SCREENPRINTS 1994 /log/

1994

Start a WWW important-page archive -- 7 Mar 1995 by Winters.

Move into archive from SLACVM production on 7 Mar 1995 by Joan M. Winters.
&1 &2 WIZARDS HTML G1 V 99 49 1 6/28/94 15:18:19 WWW19
SLAC links, e.g., from the SLAC Home Page, were changed from WIZARDS HTML to
www-tech.html 20 Jan 1995; but people from all around the world still link to WIZARD
e.g., it's still in core CERN page(s), so I'm also leaving this file in VM so those
links will continue to work for now re TonyJ. Before a whole lot longer, though, the
will die there.

SSI by Winters 24 Apr 1995:
Move 14 SLAC Summer Institute files from ~winters/pub/www/ssi/1994/* to
AFS /archive/1994/ssi/*. Includes master file, SSI HTML (a Hot Topic)
and other Hot Topic, computerfair-1994.gif.

SSI by Winters 15 Jun 1995:
Move SSI files from here (ssi subdir) into /afs/slac/www/gen/meeting/ssi/1994
subdir because the files need to have stable addresses over some years
because they are linked to by the SPIRES conferences data base (Galic).

SSI by Winters 23 Jun 1995:
Delete /afs/slac/www/archive/1994/ssi subdir (since 15 Jun, dup).

Index of /archive/1994

Name	Last modified	Size	Description
Parent Directory	25-Oct-2000 21:14	-	
SLACVM/	19-Jul-1998 15:36	-	
log	23-Jun-1995 17:35	1k	
oldslac.html	17-Mar-1994 20:01	13k	
wizards.html	07-Mar-1995 17:50	2k	

Apache/1.3.12 Server at www.slac.stanford.edu Port 80

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WorldWideWeb SLAC Home Page

SLAC 18 Mar 1994

Use the WorldWideWeb (WWW) service to gain access to a wide range of information at SLAC and elsewhere around the globe. Emphasized text like this is a hypertext link.

You may view WWW information through GUI or line-mode browsers. At least most SLAC pages have been tested on the MidasWWW X Window System browser. Note that over time links may move around on a page, migrate to others, or be removed entirely, due to the dynamic nature of the Web.

SLAC Information

People and organizations:
people at SLAC, particle physics people and institutions.
Library:
SPIRES-HEP, Current PPF-list, Books, SLACspeak glossary, other databases.
Physics Preprint Bulletin Boards (full-text postscript) :
today, yesterday, last seven days, week before that, let me search.
Seminars:
today, tomorrow, this week, next week, anytime, let me search.
Conferences:
this month, next month, next summer, next year, all future, let me search.
News:
APS What's New, SLAC Netnews, SSC News.

SLAC Physics Program

Experiments:
BaBar, BES, mQ, SLD, other.
Accelerator operations logs:
yesterday, today, this week, anytime.

SLAC Computing

General computing:
Amiga, Macintosh, PC, UNIX, VM HELP, VMS Help;
FreeHEP, Futures, Local Area Networking, Network Reference, Security, SLACwide, other.
Group computing:
SCS, other.
Wide Area Networks:
BARRNet, BITNET, ESnet, HEPnet, Internet, SuperJANET, other.

Other SLAC Information Resources

Annals, Laboratory facilities, Stores catalog, Telephone directory reference section, other.

Other Useful Information

Other institutions:
Brown, CERN, DESY, Fermilab, LANL, LBL, SSC, more HEP institutions;
Stanford University (Campus and the Medical Center);
AIP (FYI and Physics News Updates), NASA, NCAR, National MetaCenter for Computational Science and Engineering, other.

Other experiments:
ALEPH, DELPHI, L3, OPAL; CLEO; H1, ZEUS; D0, CDF; more HEP experiments.

Other information sources:
academic fields (the WWW Virtual Library), ESnet X.500 white pages, GopherSpace, grab-bag, hacker's jargon, LISTSERV lists, Netnews FAQs, other.

Support

WWW at SLAC is supported by the SLAC WWWizards, to whom you should address questions, comments, complaints, *etc*. See What's New for updates to SLAC's WWW pages or Major Changes for more system-related modifications. You may also find the Old SLAC Home Page or the Test SLAC Home Page useful.

The WWW Project was initiated at CERN, from which support is still coordinated. WWW contributors currently come from diverse parts of the world. For more information see WWW bibliography.

This page is intended for people experienced with WWW at SLAC ("refreshers").

This version was created by Joan Winters and evolved from part of the original SLAC Home Page, created by Tony Johnson and updated by various SLAC WWWizards.

Winters

The SLAC WWWizards

SLAC 27 Jun 1994
Support for the WorldWideWeb service at SLAC is currently being provided by the WWWizards who are:

- Louise Addis
- Les Cottrell
- George Crane
- Tony Johnson
- Bebo White
- Joan Winters

Feel free to contact one of the above with any problems, suggestions *etc.*

See also the comp.infosystems.www newsgroup for a general discussion of WorldWideWeb usage issues.

The WWW was originally installed at SLAC by Paul Kunz and Terry Hung.

This page was originally compiled by Tony Johnson.
TonyJ, Winters

Index of /archive/1994/SLACVM

Name	Last modified	Size	Description
Parent Directory	31-Jan-1997 09:51	-	
www/	09-Feb-1997 16:22	-	
wwwtest/	19-Jul-1998 15:36	-	

Apache/1.3.12 Server at www.slac.stanford.edu Port 80

Index of /archive/1994/SLACVM/www

Name	Last modified	Size	Description
Parent Directory	19-Jul-1998 15:36	-	
192/	27-Jun-1998 21:35	-	

Apache/1.3.12 Server at www.slac.stanford.edu Port 80

Index of /archive/1994/SLACVM/www/192

Name	Last modified	Size	Description
Parent Directory	09-Feb-1997 16:22	-	
rl3132/	23-Feb-2000 01:00	-	
rl3150/	29-Jun-1998 23:15	-	

Apache/1.3.12 Server at www.slac.stanford.edu Port 80

Index of /archive/1994/SLACVM/www/192/rl3132

Name	Last modified	Size	Description
Parent Directory	27-Jun-1998 21:35	-	
01021104.corpse	03-Dec-1993 14:26	71k	
01021110.corpse	17-Dec-1993 08:13	11k	
01021162.corpse	03-Dec-1993 14:21	66k	
01032051.corpse	02-Dec-1992 15:07	7k	
01032059.corpse	18-Jun-1993 05:24	8k	
01032081.corpse	24-Apr-1993 11:14	7k	
01032086.corpse	02-Dec-1992 15:10	7k	
01032115.corpse	03-Jan-1994 12:32	8k	
01032127.corpse	03-Jan-1994 12:27	8k	
01032155.corpse	06-Dec-1993 10:25	3k	
01032161.corpse	03-Jan-1994 12:25	8k	
01032198.corpse	03-Jan-1994 12:36	8k	
12180212.corpse	03-Dec-1993 04:20	71k	
12180242.corpse	27-Nov-1993 15:00	71k	
12201774.corpse	03-Dec-1993 05:01	11k	
12201782.corpse	03-Dec-1993 05:18	11k	
12212021.corpse	03-Dec-1993 11:57	11k	
12222060.corpse	18-Nov-1993 18:31	7k	
12240336.corpse	03-Dec-1993 12:04	11k	
README	09-Feb-1997 16:00	1k	
abstract.1@index	21-Mar-1993 05:35	1k	
abstract.2@index	16-Feb-1993 07:56	1k	
abstract.@index	23-Mar-1993 15:30	1k	
abstract.html	26-Jan-1993 02:22	1k	
abstract.index	10-Dec-1993 17:49	1k	
acget.exec	20-Aug-1992 02:53	4k	
afs.html	18-Nov-1993 16:24	2k	
annals.html	18-Nov-1993 06:08	1k	
besget.exec	20-Nov-1992 05:49	1k	

biblio.html	18-Aug-1992 03:58	1k
biblio.index	30-Jun-1992 03:10	1k
binlist.1@html	09-Mar-1992 03:36	1k
binlist.1@index	30-Jan-1993 13:19	1k
binlist.2@index	30-Nov-1992 06:23	1k
binlist.@html	30-Apr-1992 07:16	1k
binlist.@index	30-Jan-1993 14:13	1k
binlist.help	06-Mar-1992 07:47	1k
binlist.html	28-May-1992 09:29	1k
binlist.index	15-Feb-1993 11:19	1k
books.1@index	30-Jan-1993 13:18	1k
books.2@index	01-May-1992 06:48	1k
books.@index	30-Jan-1993 14:13	1k
books.html	18-Aug-1992 04:01	1k
books.index	15-Feb-1993 11:19	1k
bull0.@html	04-Dec-1993 07:33	1k
bull0.html	04-Dec-1993 07:44	1k
bull1.1@html	08-Nov-1993 23:22	1k
bull1.2@html	08-Nov-1993 11:34	1k
bull1.@html	04-Dec-1993 07:35	1k
bull1.html	04-Dec-1993 07:43	1k
bull14.1@html	08-Nov-1993 23:36	1k
bull14.2@html	08-Nov-1993 23:36	1k
bull14.@html	11-Nov-1993 15:49	1k
bull14.html	04-Dec-1993 07:36	1k
bull7.1@html	08-Nov-1993 23:17	1k
bull7.2@html	08-Nov-1993 23:13	1k
bull7.@html	04-Dec-1993 07:37	1k
bull7.html	04-Dec-1993 07:43	1k
conf.1@index	30-Jan-1993 13:03	1k
conf.2@index	02-May-1992 10:07	1k
conf.@index	30-Jan-1993 14:14	1k
conf.html	18-Aug-1992 04:01	1k
conf.index	15-Feb-1993 11:18	1k
create.html	18-Nov-1993 16:17	1k

cruise.html	29-Apr-1993 15:59	1k
default.1@html	30-Nov-1993 15:24	2k
default.2@html	26-Nov-1993 06:34	2k
default.@html	01-Dec-1993 11:01	2k
default.html	01-Dec-1993 15:04	2k
defaultx.1@html	30-Nov-1993 15:26	2k
defaultx.2@html	26-Nov-1993 06:30	2k
defaultx.@html	01-Dec-1993 11:37	2k
defaultx.html	01-Dec-1993 15:05	2k
dummy.file	10-Apr-1992 08:17	1k
eprint.help	03-Dec-1993 11:52	15k
experi.1@index	30-Jan-1993 13:15	1k
experi.2@index	12-Nov-1992 16:07	1k
experi.@index	30-Jan-1993 14:14	1k
experi.html	18-Aug-1992 04:00	1k
experi.index	15-Feb-1993 11:18	1k
experime.1@index	30-Jan-1993 13:15	1k
experime.2@index	12-Nov-1992 16:07	1k
experime.@index	30-Jan-1993 14:14	1k
experime.index	15-Feb-1993 11:18	1k
fget.1@exec	24-Nov-1993 08:28	4k
fget.2@exec	19-Nov-1993 12:22	4k
fget.@exec	24-Nov-1993 16:19	4k
fget.exec	24-Nov-1993 16:33	4k
fhadding.1@html	11-May-1992 04:40	1k
fhadding.@html	11-May-1992 04:40	1k
fhadding.html	21-Oct-1993 11:21	2k
fhbenefi.@html	10-May-1992 16:46	2k
fhbenefi.html	10-May-1992 16:46	2k
fhdbase.1@html	10-May-1992 16:54	3k
fhdbase.@html	10-May-1992 16:54	3k
fhdbase.html	21-Oct-1993 10:38	3k
fheditor.1@html	11-May-1992 04:43	2k
fheditor.2@html	11-May-1992 04:43	2k
fheditor.@html	15-Sep-1992 12:40	2k

fheditor.html	23-Nov-1993 12:31	3k
fhemail.@html	15-Sep-1992 12:37	1k
fhemail.html	19-Oct-1993 03:42	1k
fhftp.@html	30-Apr-1992 15:47	1k
fhftp.html	30-Apr-1992 15:47	1k
fhget.1@exec	21-Sep-1993 07:41	9k
fhget.2@exec	21-Sep-1993 07:38	9k
fhget.@exec	21-Sep-1993 07:43	9k
fhget.exec	29-Nov-1993 11:27	12k
fhicon.html	23-Nov-1993 12:42	1k
fhimpl.1@html	10-May-1992 17:08	1k
fhimpl.@html	10-May-1992 17:08	1k
fhimpl.html	10-Sep-1992 12:19	1k
fhimprov.html	15-Sep-1992 12:59	1k
fhmain.1@html	15-Sep-1992 13:01	3k
fhmain.2@html	17-May-1992 12:15	2k
fhmain.@html	21-Oct-1993 10:08	2k
fhmain.html	29-Nov-1993 12:16	1k
fhmore.html	21-Oct-1993 14:04	5k
fhnarrow.@html	10-May-1992 17:07	1k
fhnarrow.html	17-May-1992 12:20	1k
fhref1.@html	10-May-1992 17:07	1k
fhref1.html	10-May-1992 17:07	1k
fhscri.1@html	15-Nov-1992 11:49	1k
fhscri.2@html	10-May-1992 12:01	1k
fhscri.@html	15-Nov-1992 12:10	1k
fhscri.html	21-Oct-1993 10:22	1k
fhsearch.1@exec	17-May-1992 12:02	2k
fhsearch.2@exec	10-May-1992 10:53	2k
fhsearch.@exec	07-Sep-1993 13:42	2k
fhsearch.exec	07-Sep-1993 13:48	2k
fhspires.1@html	10-May-1992 17:23	1k
fhspires.@html	17-May-1992 12:19	1k
fhspires.html	21-Oct-1993 10:23	1k
fhsubjs.1@html	21-Apr-1993 12:35	2k

fhsubjs.2@html	21-Apr-1993 12:32	2k
fhsubjs.@html	24-Jun-1993 13:47	2k
fhsubjs.html	29-Nov-1993 12:09	3k
fhtutor.@html	15-Sep-1992 12:57	1k
fhtutor.html	21-Oct-1993 09:39	1k
fsearch.1@exec	26-Feb-1993 03:27	3k
fsearch.2@exec	26-Feb-1993 03:23	3k
fsearch.@exec	07-Sep-1993 13:48	4k
fsearch.exec	18-Nov-1993 04:11	4k
futures.1@html	13-Dec-1993 01:13	4k
futures.2@html	18-Nov-1993 16:54	3k
futures.@html	13-Dec-1993 01:19	4k
futures.html	15-Dec-1993 11:58	4k
grabbag.1@html	08-Dec-1993 05:53	7k
grabbag.2@html	19-Nov-1993 00:02	7k
grabbag.@html	15-Dec-1993 07:32	7k
grabbag.html	22-Dec-1993 12:21	7k
help.index	18-Nov-1993 19:29	1k
helphep1.html	07-Nov-1993 15:17	2k
helphepb.html	07-Nov-1993 15:17	4k
helphepc.html	07-Nov-1993 15:17	3k
helphepf.html	07-Nov-1993 15:17	6k
helphepo.html	07-Nov-1993 15:18	4k
helphepq.html	07-Nov-1993 15:17	2k
helpheps.html	07-Nov-1993 15:17	2k
hep.1@html	09-Mar-1992 03:36	1k
hep.1@index	04-Dec-1993 08:26	1k
hep.2@index	07-Nov-1993 15:18	1k
hep.@help	06-Mar-1992 07:47	1k
hep.@html	30-Apr-1992 07:17	1k
hep.@index	06-Dec-1993 07:24	1k
hep.help	17-Aug-1992 19:07	27k
hep.html	18-Aug-1992 04:00	1k
hep.index	10-Dec-1993 17:48	1k
hepnames.1@index	15-Feb-1993 11:17	1k

hepnames.2@index	03-Feb-1993 13:28	1k
hepnames.@index	17-Aug-1993 17:42	1k
hepnames.html	18-Aug-1992 04:00	1k
hepnames.index	10-Dec-1993 17:48	1k
hlmain.1@html	17-May-1992 12:22	2k
hlmain.2@html	11-May-1992 04:09	2k
hlmain.@html	20-Aug-1992 08:16	2k
hlmain.html	20-Aug-1992 08:18	2k
hlsteer.1@html	11-May-1992 03:38	1k
hlsteer.2@html	11-May-1992 03:38	1k
hlsteer.@html	20-Aug-1992 06:22	1k
hlsteer.html	20-Aug-1992 06:23	1k
htdaemon.module	05-Dec-1991 08:03	128k
hypertex.html	26-Aug-1993 13:46	2k
institut.1@index	30-Jan-1993 13:21	1k
institut.2@index	30-Nov-1992 06:27	1k
institut.@index	30-Jan-1993 14:12	1k
institut.html	18-Aug-1992 04:01	1k
institut.index	15-Feb-1993 10:13	1k
internet.@html	18-Nov-1993 07:13	13k
internet.html	23-Dec-1993 18:41	14k
lan.html	18-Nov-1993 07:04	1k
macintos.html	18-Nov-1993 18:45	2k
mq.1@html	16-Nov-1993 14:52	4k
mq.@html	18-Nov-1993 23:34	4k
mq.html	06-Dec-1993 13:27	4k
newppf.1@html	11-Dec-1993 05:31	81k
newppf.2@html	10-Dec-1993 08:23	80k
newppf.@html	17-Dec-1993 18:25	93k
newppf.html	02-Jan-1994 03:36	78k
oldppf.1@html	11-Dec-1993 05:32	80k
oldppf.2@html	10-Dec-1993 08:24	66k
oldppf.@html	17-Dec-1993 18:26	81k
oldppf.html	02-Jan-1994 03:38	93k
oldslac.1@html	08-Sep-1993 02:05	3k

oldslac.@html	03-Nov-1993 10:31	3k
oldslac.html	18-Nov-1993 22:20	3k
oraget.exec	05-Apr-1993 13:17	6k
orselect.exec	08-Dec-1992 08:00	18k
particle.1@index	30-Jan-1993 13:32	1k
particle.2@index	12-Nov-1992 16:07	1k
particle.@index	30-Jan-1993 14:11	1k
particle.help	02-May-1992 08:35	1k
particle.html	18-Aug-1992 04:01	1k
particle.index	15-Feb-1993 11:19	1k
prget.1@exec	13-Jul-1993 01:18	1k
prget.2@exec	09-Jul-1993 09:20	1k
prget.@exec	25-Oct-1993 04:47	1k
prget.exec	25-Oct-1993 04:53	1k
prod-dothtml.ls	29-Jun-1998 22:24	5k
prod-dotindex.ls	29-Jun-1998 22:30	1k
run.exec	19-Sep-1991 07:19	1k
rundaemo.1@exec	30-Apr-1992 07:25	1k
rundaemo.2@exec	06-Nov-1991 09:03	1k
rundaemo.@exec	30-Apr-1992 07:25	1k
rundaemo.exec	30-Apr-1992 07:53	1k
scs.1@html	17-Sep-1993 08:31	1k
scs.2@html	02-Sep-1993 06:53	1k
scs.@html	23-Sep-1993 02:50	1k
scs.html	10-Nov-1993 03:26	2k
security.html	18-Nov-1993 07:27	1k
slac.1@html	21-Dec-1993 12:29	11k
slac.2@html	20-Dec-1993 09:31	11k
slac.@html	23-Dec-1993 18:58	11k
slac.html	02-Jan-1994 03:46	11k
slac.xbm	02-May-1993 09:17	14k
slacfac.1@html	18-Nov-1993 15:58	1k
slacfac.2@html	24-Aug-1993 15:27	1k
slacfac.@html	24-Nov-1993 05:33	2k
slacfac.html	24-Nov-1993 05:53	2k

slacinst.1@html	15-Oct-1993 13:00	4k
slacinst.2@html	14-Oct-1993 08:55	4k
slacinst.@html	18-Nov-1993 07:46	4k
slacinst.html	08-Dec-1993 05:40	4k
slacprep.html	18-Nov-1993 16:33	1k
slacspea.1@index	30-Jan-1993 14:05	1k
slacspea.2@index	30-Jan-1993 13:35	1k
slacspea.@index	30-Jan-1993 14:06	1k
slacspea.html	18-Aug-1992 04:01	1k
slacspea.index	15-Feb-1993 11:19	1k
slacvoid.@html	03-Nov-1993 11:19	1k
slacvoid.html	03-Nov-1993 11:26	1k
slacwide.1@html	14-Oct-1993 16:33	5k
slacwide.2@html	13-Oct-1993 17:12	5k
slacwide.@html	22-Oct-1993 20:51	4k
slacwide.html	18-Nov-1993 13:08	5k
sldget.1@exec	03-Jan-1994 13:11	8k
sldget.2@exec	03-Jan-1994 13:00	8k
sldget.@exec	03-Jan-1994 13:12	8k
sldget.exec	03-Jan-1994 13:19	8k
smget.1@exec	03-Aug-1992 11:27	4k
smget.@exec	13-Oct-1993 06:21	4k
smget.exec	29-Nov-1993 12:31	4k
spires.1@html	30-Apr-1992 07:17	1k
spires.1@index	04-Dec-1993 09:21	1k
spires.2@html	10-Mar-1992 02:41	1k
spires.2@index	14-May-1993 15:33	1k
spires.@html	18-Aug-1992 04:01	1k
spires.@index	04-Dec-1993 09:24	1k
spires.html	12-Nov-1992 13:52	1k
spires.index	04-Dec-1993 09:27	1k
spirewww.module	29-Apr-1993 08:04	6k
ssc.index	12-Jun-1993 11:12	1k
stores.1@html	09-Mar-1992 03:36	1k
stores.@html	30-Apr-1992 07:18	1k

stores.@index	04-Mar-1992 07:51	1k
stores.help	05-Mar-1992 02:43	21k
stores.html	18-Aug-1992 03:59	1k
stores.index	01-Sep-1993 03:12	2k
unix.1@html	18-Nov-1993 15:49	4k
unix.@html	18-Nov-1993 21:20	4k
unix.html	24-Nov-1993 11:50	4k
vmsnget.exec	05-Feb-1993 06:26	1k
whereis.1@html	18-Aug-1992 03:59	1k
whereis.1@index	19-Mar-1993 00:20	2k
whereis.2@index	13-May-1992 04:43	2k
whereis.@html	18-Nov-1993 19:41	1k
whereis.@index	19-Oct-1993 03:21	1k
whereis.html	24-Nov-1993 14:55	1k
whereis.index	03-Nov-1993 01:53	1k
whereish.html	03-Nov-1993 01:49	1k
winters.jcw104	29-Jan-1997 10:33	128k
winters.ls	29-Jun-1998 22:25	21k
wish.list	28-May-1992 04:30	1k
wizards.1@html	22-Oct-1993 18:36	2k
wizards.2@html	01-Oct-1993 18:21	2k
wizards.@html	18-Nov-1993 19:04	2k
wizards.html	18-Nov-1993 19:09	2k
www.192	27-Jan-1997 18:27	5k
www.1@staff	02-Sep-1993 07:01	1k
www.2@staff	26-Apr-1993 19:01	1k
www.@inst$va	29-Apr-1992 10:38	1k
www.@staff	30-Sep-1993 11:17	1k
www.files	30-Apr-1992 07:21	1k
www.history	03-Jan-1994 13:23	54k
www.inst$var	18-Jun-1993 10:54	1k
www.lastnews	14-May-1985 04:29	1k
www.newslist	23-Apr-1986 06:02	1k
www.owners	03-Jan-1994 13:23	3k
www.staff	11-Oct-1993 09:30	1k

www192.backup	27-Jun-1998 12:31	5k
wwwbibl.1@html	27-Oct-1993 14:05	4k
wwwbibl.@html	22-Dec-1993 11:38	4k
wwwbibl.html	23-Dec-1993 17:09	4k
wwwintro.@html	18-Nov-1993 15:35	5k
wwwintro.html	01-Dec-1993 17:48	5k
wwwstat.1@html	19-Nov-1993 18:42	3k
wwwstat.2@html	19-Nov-1993 18:40	3k
wwwstat.@html	01-Dec-1993 04:05	3k
wwwstat.html	06-Dec-1993 10:28	3k

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ALL on SLACVM shows 74 " HTML " experimental production pages 2/9/97 WINTERS.

SLAC test

THis is a test.

Index of /archive/1994/SLACVM/wwwtest

Name	Last modified	Size	Description
Parent Directory	19-Jul-1998 15:36	-	
192/	19-Jul-1998 15:36	-	

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Index of /archive/1994/SLACVM/wwwtest/192

Name	Last modified	Size	Description
Parent Directory	19-Jul-1998 15:36	-	
rl3140/	21-Jul-1998 23:16	-	

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Index of /archive/1994/SLACVM/wwwtest/192/rl3140

Name	Last modified	Size	Description
Parent Directory	19-Jul-1998 15:36	-	
01031977.corpse	30-Dec-1993 13:54	4k	
01032116.corpse	05-Apr-1993 11:20	6k	
01032126.corpse	05-Apr-1993 13:14	6k	
01032132.corpse	05-Apr-1993 12:38	7k	
01032135.corpse	18-Jun-1993 05:24	8k	
01032144.corpse	04-May-1993 07:34	7k	
01032153.corpse	05-Apr-1993 13:15	6k	
01032157.corpse	05-Apr-1993 13:17	6k	
01032166.corpse	08-Dec-1992 08:00	18k	
01032171.corpse	05-Apr-1993 12:34	7k	
01032174.corpse	05-Apr-1993 13:09	6k	
01032179.corpse	05-Apr-1993 13:13	6k	
01032184.corpse	24-Apr-1993 02:58	7k	
01032194.corpse	04-May-1993 07:37	7k	
01032195.corpse	24-Apr-1993 03:04	7k	
01032199.corpse	05-Apr-1993 11:22	6k	
12161326.corpse	14-Dec-1993 16:29	3k	
12161364.corpse	14-Dec-1993 16:12	3k	
12161405.corpse	14-Dec-1993 17:21	4k	
12161414.corpse	14-Dec-1993 17:31	4k	
12161430.corpse	14-Dec-1993 17:05	4k	
12161453.corpse	14-Dec-1993 17:27	4k	
12182170.corpse	14-Dec-1993 16:20	3k	
12182194.corpse	18-Dec-1993 13:11	1k	
12191997.corpse	18-Dec-1993 13:11	3k	
12192377.corpse	14-Dec-1993 18:34	4k	
12200088.corpse	16-Dec-1993 05:10	5k	
12201763.corpse	15-Dec-1993 07:32	7k	
12201776.corpse	15-Dec-1993 11:58	4k	

12231606.corpse	22-Dec-1993 11:38	4k
12231609.corpse	22-Dec-1993 11:41	7k
12231618.corpse	22-Dec-1993 12:21	7k
12231673.corpse	22-Dec-1993 11:15	4k
12240708.corpse	23-Dec-1993 17:09	4k
12240709.corpse	23-Dec-1993 18:40	14k
12240711.corpse	23-Dec-1993 18:41	14k
12240736.corpse	23-Dec-1993 18:31	14k
12240739.corpse	23-Dec-1993 16:09	14k
12240766.corpse	23-Dec-1993 18:14	14k
12302149.corpse	19-Dec-1993 11:23	3k
12302150.corpse	30-Dec-1993 13:07	4k
12302155.corpse	30-Dec-1993 13:18	4k
9301291.ps	31-Jan-1993 15:19	160k
README	21-Jul-1998 23:13	12k
abstract.1@index	21-Mar-1993 05:30	1k
abstract.2@index	21-Mar-1993 05:23	1k
abstract.3@index	21-Mar-1993 05:17	1k
abstract.4@index	21-Mar-1993 05:13	1k
abstract.5@index	21-Mar-1993 05:11	1k
abstract.@index	21-Mar-1993 05:32	1k
abstract.html	26-Jan-1993 02:22	1k
abstract.index	21-Mar-1993 05:35	1k
acget.1@exec	20-Aug-1992 02:38	4k
acget.2@exec	20-Aug-1992 02:10	4k
acget.@exec	20-Aug-1992 02:48	4k
acget.exec	20-Aug-1992 02:53	4k
besget.1@exec	20-Nov-1992 05:44	1k
besget.2@exec	20-Nov-1992 04:43	1k
besget.@exec	20-Nov-1992 05:45	1k
besget.exec	20-Nov-1992 05:49	1k
binlist.index	02-Oct-1993 19:05	1k
ccg-6.1@html	11-Dec-1992 03:16	10k
ccg-6.2@html	11-Dec-1992 02:35	10k
ccg-6.@html	11-Dec-1992 03:20	10k

ccg-6.html	11-Dec-1992 03:27	10k
clone.@index	12-Jun-1993 12:06	1k
clone.html	12-Jun-1993 12:06	1k
clone.index	17-Jun-1993 10:11	1k
cms.preserve	21-Jul-1998 15:43	1k
default.1@html	01-Dec-1993 10:15	2k
default.2@html	30-Nov-1993 14:27	2k
default.3@html	30-Nov-1993 14:25	2k
default.4@html	30-Nov-1993 14:18	2k
default.5@html	30-Nov-1993 11:15	2k
default.@html	01-Dec-1993 11:01	2k
default.html	01-Dec-1993 14:35	2k
defaultx.1@html	24-Nov-1993 14:29	2k
defaultx.2@html	12-Jun-1993 12:09	2k
defaultx.3@html	12-Jun-1993 12:02	2k
defaultx.4@html	12-Jun-1993 11:48	2k
defaultx.5@html	10-Jun-1993 12:18	2k
defaultx.@html	01-Dec-1993 11:37	2k
defaultx.html	01-Dec-1993 14:35	2k
dummy.file	10-Apr-1992 08:10	1k
exp_on.1@html	16-Dec-1993 06:28	6k
exp_on.2@html	16-Dec-1993 06:24	6k
exp_on.3@html	16-Dec-1993 06:21	6k
exp_on.4@html	16-Dec-1993 06:11	6k
exp_on.5@html	16-Dec-1993 05:23	5k
exp_on.@html	19-Dec-1993 15:57	6k
exp_on.html	19-Dec-1993 16:06	6k
exptest.html	19-Dec-1993 11:22	2k
fget.1@exec	30-Nov-1993 11:11	4k
fget.2@exec	24-Nov-1993 15:28	4k
fget.3@exec	24-Nov-1993 08:21	4k
fget.4@exec	02-Nov-1993 08:20	3k
fget.5@exec	02-Nov-1993 08:10	3k
fget.@exec	24-Nov-1993 16:33	4k
fget.exec	01-Dec-1993 13:04	4k

folio.@html	20-Nov-1993 11:01	2k
folio.html	20-Nov-1993 11:11	2k
fpejmw.1@html	21-Dec-1993 12:29	11k
fpejmw.2@html	21-Dec-1993 12:20	11k
fpejmw.3@html	17-Dec-1993 08:13	11k
fpejmw.4@html	01-Dec-1993 11:48	11k
fpejmw.@html	23-Dec-1993 16:23	11k
fpejmw.html	23-Dec-1993 18:58	11k
fsearch.1@exec	07-Sep-1993 13:33	4k
fsearch.2@exec	07-Sep-1993 13:28	4k
fsearch.3@exec	07-Sep-1993 12:48	4k
fsearch.4@exec	03-Aug-1993 07:33	4k
fsearch.5@exec	03-Aug-1993 07:30	4k
fsearch.@exec	07-Sep-1993 13:37	4k
fsearch.exec	07-Sep-1993 13:48	4k
htdaemon.module	04-Nov-1993 23:47	158k
junk.1@html	13-Jun-1993 15:06	1k
junk.2@html	07-Apr-1993 10:42	1k
junk.@html	14-Jun-1993 05:02	2k
junk.html	14-Jun-1993 05:27	2k
modem.intro	12-Mar-1993 08:09	6k
newslac.1@html	08-Nov-1993 17:04	12k
newslac.2@html	08-Nov-1993 16:52	12k
newslac.@html	08-Nov-1993 17:08	12k
newslac.html	08-Nov-1993 17:14	12k
po921130.html	02-Dec-1992 13:16	11k
policy.921130	02-Dec-1992 10:12	14k
prget.exec	25-Oct-1993 04:53	1k
refdesk.1@html	29-Oct-1993 07:11	1k
refdesk.1@index	29-Oct-1993 07:17	1k
refdesk.@html	08-Nov-1993 02:42	1k
refdesk.@index	08-Nov-1993 03:13	1k
refdesk.help	29-Oct-1993 07:22	1k
refdesk.html	16-Nov-1993 08:33	1k
refdesk.index	16-Nov-1993 08:33	1k

slac.html	22-Nov-1993 05:18	4k
slac.xbm	02-May-1993 09:17	14k
slacprep.1@html	10-Jun-1993 13:11	1k
slacprep.2@html	10-Jun-1993 13:02	1k
slacprep.3@html	10-Jun-1993 12:54	1k
slacprep.4@html	10-Jun-1993 12:32	1k
slacprep.5@html	10-Jun-1993 12:26	1k
slacprep.@html	11-Jun-1993 09:58	1k
slacprep.html	11-Jun-1993 10:01	1k
slacvoid.1@html	19-Apr-1993 12:20	1k
slacvoid.2@html	16-Apr-1993 14:49	1k
slacvoid.3@html	16-Apr-1993 14:23	1k
slacvoid.4@html	14-Apr-1993 10:26	1k
slacvoid.@html	19-Apr-1993 12:39	1k
slacvoid.html	19-Apr-1993 13:48	1k
sorry.html	14-Dec-1993 16:19	1k
spiresx.html	26-Nov-1993 04:24	2k
ssc.html	12-Jun-1993 11:54	1k
ssc.index	12-Jun-1993 11:12	1k
sscn9301.html	22-Jan-1993 03:56	5k
sscnews.html	22-Jan-1993 03:52	1k
template.1@html	05-Nov-1993 14:10	1k
template.2@html	22-Oct-1993 18:42	1k
template.3@html	18-Oct-1993 07:15	1k
template.@html	18-Nov-1993 15:33	1k
template.html	24-Nov-1993 05:29	1k
test.1@html	02-Dec-1992 13:16	11k
test.2@html	02-Dec-1992 13:00	11k
test.3@html	02-Dec-1992 12:19	14k
test.@html	02-Dec-1992 13:24	11k
test.html	02-Dec-1992 13:27	11k
todo.1@html	20-Aug-1992 08:28	1k
todo.@html	20-Aug-1992 08:28	1k
todo.html	02-Sep-1992 07:02	1k
unix-commands	21-Jul-1998 23:20	2k

vmsnget.@exec	05-Feb-1993 06:04	1k
vmsnget.exec	05-Feb-1993 06:26	1k
w3docs.html	10-Mar-1993 07:08	1k
w3goph.html	19-Jan-1993 01:53	5k
winters.filelist	21-Jul-1998 16:05	20k
winters.jcw116	21-Jul-1998 14:37	81k
winters.ls	21-Jul-1998 23:16	13k
wwwstat.ps	15-Jun-1993 02:12	16k
wwwtest.1@html	27-Oct-1993 12:13	2k
wwwtest.1@staff	14-Dec-1992 06:28	1k
wwwtest.2@html	26-Aug-1993 11:55	1k
wwwtest.2@staff	11-Dec-1992 02:30	1k
wwwtest.3@html	26-Aug-1993 11:53	1k
wwwtest.3@staff	10-Nov-1992 09:17	1k
wwwtest.4@html	26-Aug-1993 11:52	1k
wwwtest.4@staff	08-Sep-1992 12:59	1k
wwwtest.5@html	26-Aug-1993 11:45	1k
wwwtest.5@staff	29-Apr-1992 06:14	1k
wwwtest.@html	27-Oct-1993 13:25	2k
wwwtest.@staff	26-Apr-1993 18:59	1k
wwwtest.history	03-Jan-1994 13:23	177k
wwwtest.html	04-Nov-1993 06:27	2k
wwwtest.inst$var	29-Apr-1992 06:20	1k
wwwtest.lastnews	14-May-1985 04:29	1k
wwwtest.newslist	23-Apr-1986 06:02	1k
wwwtest.owners	30-Dec-1993 13:08	3k
wwwtest.staff	11-Oct-1993 09:28	1k
wwwtest192.backup	11-Jul-1998 13:40	3k

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19 Jul 1998

Switch not making contact re silo. So RECOVER out of operation...

File /afs/slac.stanford.edu/www/archive/1994/SLACVM/wwwtest/192/rl3140/README

On 21 Jul 1998 restored currently existing backup copy #26 (on tape cartridge RL3140) of userid WWWTEST minidisk 192 via the CMS RECOVER command to WINTERS virtual reader, and from there to WINTERS 294 (a SPACE TEMPDISK) using a "RECEIVE / (OLDDATE" command within RDRLIST. The VM backup tape was taken 1/6/94.

Then copied all the RECOVERed files plus five files on the recovery and migration process from SLACVM to UNIX. Used an NFS mount?? in UNIX of the SLACVM WINTERS 294 minidisk, followed by a UNIX copy of all those files to the subdirectory /afs/slac.stanford.edu/www/archive/1994/SLACVM/wwwtest/192/rl3140. (A summary of UNIX commands is in file unix-commands.)

WWWTEST 192 is the public "test" minidisk for WWW pages in SLACVM. The whole WWW system was experimental at this time. Some other pages were beginning to be developed on UNIX.

More specifically, from the CMS RECOVER list of backup tapes on 7/11/98 (still current as of 7/21/98) I selected:

26) WWWTEST 0192 dumped to file 151 of tape RL3140 on 01/06/94 at 04:56:27

See file wwwtest192.backup (named WTEST192 BACKUP in VM due to the eight-character filename and filetype limitation) for the entire list of currently existing backups (created from XSHOW capture of RECOVER command output). Note that I named earlier files like this that contain a list of the currently existing backup tapes, e.g., wwwtest.192. The new name format is intended to make the origin of the information immediately clear.

RECOVER submitted VM batch job JCW116 from userid WINTERS on 7/21/98. The job was run shortly afterwards. Its batch console output is in file winters.jcw116.

After the files were read in to WINTERS 294, QUERY DISK A showed:

LABEL	VDEV	M	STAT	CYL	TYPE	BLKSIZE	FILES	BLKS USED-(%)	BLKS LEFT	BLK TOTAL
SPC294	294	A	R/W	20	3390	4096	196	566-16	3034	3600

Of a total of 190 files on the SLACVM WWWTEST 192 minidisk of 1/6/94, 32 were user-visible "test"* pages (i.e., named either / HTML/ or / INDEX/ where the slashes [/] delimit strings). The rest were user-visible "test" executable or miscellaneous files including INSTALL files about the contents of the minidisk (see below), or older versions of test files. In inverse chronological order since last update, the test pages (from "FILELIST (STATS", then "ALL / HTML/ | / INDEX/" command output+) are:

Filename	Filetype	Fm	Format	LRECL	Records	Blocks	Date	Time	Labe

```
FPEJMW   HTML    A1 V      124       242        3 12/24/93  2:58:03 SPC2
EXP_ON   HTML    A1 V       91       186        2 12/20/93  0:06:51 SPC2
EXPTEST  HTML    A1 V       79        86        1 12/19/93 19:22:14 SPC2
SORRY    HTML    A1 F       80         9        1 12/15/93  0:19:30 SPC2
DEFAULTX HTML    A1 V       92        60        1 12/01/93 22:35:32 SPC2
DEFAULT  HTML    A1 V       92        53        1 12/01/93 22:35:00 SPC2
SPIRESX  HTML    A1 V       73        46        1 11/26/93 12:24:44 SPC2
TEMPLATE HTML    A1 V      102        29        1 11/24/93 13:29:07 SPC2
SLAC     HTML    A1 V      124        54        2 11/22/93 13:18:25 SPC2
FOLIO    HTML    A1 V       73        46        1 11/20/93 19:11:44 SPC2
REFDESK  HTML    A1 V       77         9        1 11/16/93 16:33:54 SPC2
REFDESK  INDEX   A1 V       70        26        1 11/16/93 16:33:35 SPC2
NEWSLAC  HTML    A1 V      124       228        4 11/09/93  1:14:27 SPC2
WWWTEST  HTML    A1 V      116        55        1 11/04/93 14:27:32 SPC2
BINLIST  INDEX   A1 V       80        21        1 10/03/93  2:05:30 SPC2
CLONE    INDEX   A1 V       52        12        1  6/17/93 17:11:30 SPC2
JUNK     HTML    A1 F       80        20        1  6/14/93 12:27:36 SPC2
CLONE    HTML    A1 V       75         9        1  6/12/93 19:06:14 SPC2
SSC      HTML    A1 V       75         9        1  6/12/93 18:54:14 SPC2
SSC      INDEX   A1 V       52        12        1  6/12/93 18:12:56 SPC2
SLACPREP HTML    A1 V       72        38        1  6/11/93 17:01:12 SPC2
SLACVOID HTML    A1 V       74         9        1  4/19/93 20:48:19 SPC2
ABSTRACT INDEX   A1 V       72        23        1  3/21/93 13:35:06 SPC2
W3DOCS   HTML    A1 V       88        26        1  3/10/93 15:08:16 SPC2
ABSTRACT HTML    A1 V       79         9        1  1/26/93 10:22:02 SPC2
SSCN9301 HTML    A1 V       79       121        2  1/22/93 11:56:15 SPC2
SSCNEWS  HTML    A1 V       62         7        1  1/22/93 11:52:24 SPC2
W3GOPH   HTML    A1 V       53       214        2  1/19/93  9:53:44 SPC2
CCG-6    HTML    A1 V       72       180        3 12/11/92 11:27:47 SPC2
TEST     HTML    A1 V       76       269        3 12/02/92 21:27:39 SPC2
PO921130 HTML    A1 V       73       269        3 12/02/92 21:16:40 SPC2
TODO     HTML    A1 F       80         9        1  9/02/92 14:02:15 SPC2
```

* The WWWTEST minidisk only contained a subset of the entire proto-production SLAC Web pages on SLACVM, the subset that was actively being changed and tested (or sometimes fossils no one had bothered to erase). These pages were generally used by GIMEing (or LINKing and ACCESSing) the WWWTEST 192 minidisk ahead of the "production" WWW 192 minidisk in CMS search order so that the test pages displayed, when available, instead of proto-production ones. If no test pages of given names existed, then the proto-production ones on the WWW 192 minidisk displayed.

+ As defined in "HELP CMS FILELIST", the STATS option produces the following output:

```
      STAts
          lists the following information about the specified files:

            o File identifier or directory identifier
            o Format and logical record length of the file
            o Number of records and number of blocks in the file
            o Date and time of last update.

          See the "Examples" for a sample display using the STATS option.
```

To find, almost always, the author(s) of a file:

1) Look near the bottom (or top) for the file's "owner", the person(s)

with primary responsibility for the page at the time the page was most recently updated before this backup was made. It appears as if the /owner script that accessed SPIRES BINLIST for addressing information was just starting to be used.

2) Look in the file WWWTEST OWNERS for the filename and filetype, e.g., SLAC HTML. The name(s) to the right are the userid(s) of the owner(s) with the primary owner first.

3) Look in the file WWWTEST HISTORY for an entry each time a file of a given name was modified. This includes when it was "owned", created, replaced, reverted, or erased. Note that in some cases the content of a particular filename may change significantly over time, e.g., GRABBAG HTML, which shed various parts to new pages like VENDORS HTML and LOCRES HTML as the parts grew.

4) For a number of pages, updates were logged via HTML comments at the end of the file, e.g., SLAC HTML and WWWINTRO HTML.

Sources 2 and 3 result from WWWTEST 192 being a SLAC "INSTALL" minidisk. Occasionally, especially in the early days, a generic userid like WWW or WWWTEST was used to INSTALL a file.

In addition, 7 were user-visible, test executable files (i.e., named / EXEC/ or / MODULE/ where the slashes [/] delimit a string), to wit:

FileName	Filetype	Fm	Format	LRECL	Records	Blocks	Date	Time	Labe
FGET	EXEC	A2	V	66	137	2	12/01/93	21:04:22	SPC2
HTDAEMON	MODULE	A1	V	65535	6	40	11/05/93	7:47:50	SPC2
PRGET	EXEC	A2	V	66	30	1	10/25/93	11:53:51	SPC2
FSEARCH	EXEC	A1	V	72	124	2	9/07/93	20:48:20	SPC2
VMSNGET	EXEC	A1	V	56	25	1	2/05/93	14:26:23	SPC2
BESGET	EXEC	A1	V	53	19	1	11/20/92	13:49:54	SPC2
ACGET	EXEC	A2	V	82	137	2	8/20/92	9:53:00	SPC2

Some?? were user exits called by the WWW server.??

The following 13 files were also visible to users (not filemode 0 and not in the other two lists):

FileName	Filetype	Fm	Format	LRECL	Records	Blocks	Date	Time	Labe
WWWTEST	HISTORY	A6	V	80	3060	46	1/03/94	21:23:26	SPC2
WWWTEST	OWNERS	A2	V	34	128	1	12/30/93	21:08:33	SPC2
REFDESK	HELP	A1	V	63	8	1	10/29/93	14:22:33	SPC2
WWWTEST	STAFF	A1	F	80	6	1	10/11/93	16:28:51	SPC2
WWWSTAT	PS	A1	V	69	512	5	6/15/93	9:12:05	SPC2
SLAC	XBM	A1	V	76	194	4	5/02/93	16:17:06	SPC2
MODEM	INTRO	A1	V	73	150	2	3/12/93	16:09:29	SPC2
9301291	PS	A1	V	78	2310	41	1/31/93	23:19:47	SPC2
POLICY	921130	A1	V	98	365	4	12/02/92	18:12:59	SPC2
WWWTEST	INST$VAR	A2	V	19	6	1	4/29/92	13:20:53	SPC2
DUMMY	FILE	A1	F	80	1	1	4/10/92	15:10:54	SPC2
WWWTEST	NEWSLIST	A2	V	71	2	1	4/23/86	14:02:17	SPC2
WWWTEST	LASTNEWS	A2	V	26	1	1	5/14/85	11:29:18	SPC2

Files with filetype HELP were linked by Web pages. Files with filename WWWTEST were used by the INSTALL process. SLAC XBM was the first

graphical image of the SLAC seal used as an icon to identify quickly the SLAC Home Page (and perhaps others). Files with filetype PS were Postscript files.

For a list of all the files recovered plus three files created related to the recovery plus a record of the WINTERS CMS environment in which at least part of the recovery occurred (in file CMS PRESERVE), see winters.filelist (created by SAVEing the output of a FILELIST command). A list of all the files on the backup tape (which at 190 seems the same as all the files recovered) is in the batch job output winters.jcw116.

For a list of all the files moved to UNIX (which should include all the files in the winters.filelist file), see winters.ls (which also lists the unix-commands file, plus).

In summary, for more details about the recovery from VM backup and move from SLACVM to SLAC UNIX, see the following files:

README [created in SLACVM about entire migration, named README RL3140WT]
cms.preserve

wwwtest192.backup
winters.jcw116
winters.filelist

unix-commands [created in UNIX]
winters.ls

See also files in subdirectory /afs/slac/www/archive/SLACVM for generally applicable information, e.g., information about SLAC's INSTALL model and command including the meaning of the files with [n]@filetype.

21 Jul 1998

Joan M. Winters

SCRAPBOOKS 1995

1995

Index of /archive/1995

Name	Last modified	Size	Description
Parent Directory	25-Oct-2000 21:14	-	
SLACVM/	27-Jan-1997 19:05	-	
SLACinst/	03-Jul-1996 10:47	-	
annals.html	22-Mar-1995 03:51	1k	
buildings.gif	05-Aug-1993 10:49	39k	
comp/	03-Jul-1996 10:47	-	
how-to-order/	23-Jun-1995 17:37	-	
key-events.ps	12-Aug-1993 16:36	100k	
logo.gif	25-Oct-1994 20:55	7k	
news-bfac-decision	09-Nov-1995 14:07	17k	
oldslac.html	17-Mar-1994 20:01	13k	
ppar.memo	10-May-1995 20:40	3k	
slac.html	10-Dec-1995 10:49	19k	
slac.htmllog	10-May-1995 13:58	18k	
test-slac.html	10-Dec-1995 10:32	22k	
todtw/	03-Jul-1996 10:47	-	
www/	09-Dec-1996 14:46	-	
wwwproto08/	03-Jul-1996 10:47	-	
wwwprototemp/	03-Jul-1996 10:47	-	

Apache/1.3.12 Server at www.slac.stanford.edu Port 80

SLAC Annals

SLAC 22 Mar 1995

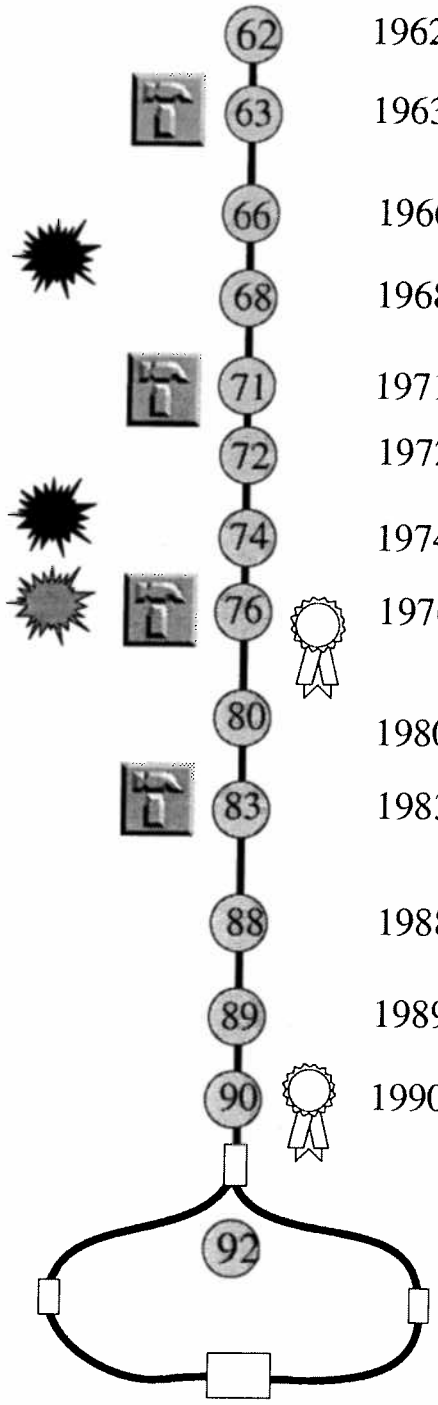
This page is under construction.

These are some annals relating to SLAC. This information is by no means comprehensive.

key-events.ps
: Chronology of some key events in SLAC's research program.

B-Factory Site
: "Selection of the Preferred Site for the B-Factory" by Hazel R. O'Leary, Secretary of Energy (October 4, 1993).

Library



1962: Groundbreaking

1963: Construction begins

1966: Construction completed

1968: First evidence of Quarks

1971: SPEAR Construction starts

1972: SPEAR begins operation

1974: Discovery of Psi particle

1976: Discovery of Tau particle
PEP construction begins
Richter gets Nobel prize

1980: PEP begins operation

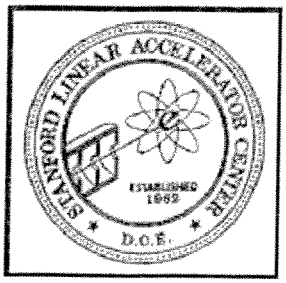
1983: Construction of SLC begins

1988: SLC begins operation

1989: First Z's seen at SLAC

1990: SPEAR transformed into
Synchrotron light source
Taylor gets Nobel prize

1992: 10,000 polarized Zs


STANFORD LINEAR ACCELERATOR CENTER
ESTABLISHED
1962
D.O.E.

Secretary of Energy
Washington, DC 20585

Selection of the Preferred Site for the B-Factory

The President's Fiscal year 1994 budget request for the Department of Energy (DOE) includes $36 million for design and construction of a high-energy physics facility known as a B-factory. Instructions accompanying the budget stated that construction of a B-factory would be initiated after a review of proposals by Cornell University and by a collaboration involving the Stanford Linear Accelerator Center (SLAC), Lawrence Berkeley Laboratory (LBL) and Lawrence Livermore National Laboratory (LLNL). Both proposals involve sites which would use existing collider tunnels. An independent technical review was completed in July 1993, which served as the basis for a comparative assessment by the Department. I have considered this information in reaching my decision that SLAC is the Department's preferred site for construction of the B-factory.

Project Requirements

The most effective method for producing B mesons, which are the particles that will be generated and examined in a B-factory, is to collide a beam of electrons and a beam of anti-electrons, or positrons. The requirements placed on these beams by the needs of the physics experiments establish the unique characteristics of a B-factory. The electrons and positrons are accelerated to the proper energies and then stored in a circular array of magnets called a storage ring or a collider ring, where the two beams counter-circulate.

For a B-factory to meet its scientific objectives, it must achieve extremely high performance requirements. The B-meson decay modes that exhibit the properties necessary for experimentation purposes of this project are rare, and thus the electron-positron collisions that produce the B mesons must occur at very high rates. B mesons have extremely short lifetimes, only about one-tenth of a trillionth of a second (or about 10^-13 seconds). During this period, detector must measure the motion and characteristics of the B-meson particles. The ability to achieve the physics objectives of this project in a timely and cost-effective manner requires producing and measuring in excess of 10 million (10^7) neutral B-meson pairs per year. This high production requirement explains why the facility is called a "factory." The B-meson production rates necessary for this "factory" put tremendous requirements on the collider and on the detector, pushing the performance of these facilities-in terms of reliability, repairability, and operability-into a new regime. If the machine falls short in meeting these stringent requirements, the quality of the science will suffer markedly.

Proposal Review and Evaluation Process

On April 15, 1993, the Director of the Office of Management and Budget, Leon Panetta, sent letters to DOE and the National Science Foundation (NSF) requesting that a technical review be conducted of the Cornell and the SLAC/LBL/LLNL proposals in order to determine the site for the B factory. On

May 13, 1993, the two agencies initiated the review process with a letter sent to Karl Berkelman, Director, Laboratory of Nuclear Studies, Cornell University, and to Burton Richter, Director, Stanford Linear Accelerator Center, Stanford University, informing them of the general procedures to be followed and inviting the two laboratories to submit revised proposals. In a letter dated June 10, 1993, DOE and NSF appointed Stanley Kowalski, Director, Bates Linear Accelerator Center, Massachusetts Institute of Technology, as Chairman of the Joint B-factory Review Committee. A review panel comprised of international experts was jointly selected by DOE and NSF. SLAC and Cornell were advised of the technical evaluation criteria which would be utilized by the joint DOE-NSF review committee.

Revised proposals subsequently were submitted by both Stanford Linear Accelerator Center and Cornell University and formed the basis for the review. The Committee met at the Stanford Linear Accelerator Center during the week of June 21, 1993, and at the Cornell Laboratory of Nuclear Studies during the week of June 28, 1993. The charge to the Committee was developed jointly by the agencies. The Committee evaluated each proposal separately and was explicitly instructed not to undertake a comparative review and not to rank the proposals. On July 23, 1993, the Committee transmitted its final report to the Department of Energy and the National Science Foundation.

The Department of Energy carefully examined the Report of the Joint Department of Energy and National Science Foundation B-factory Review Committee and assessed the two proposals in light of the Department's extensive experience with major facility construction and other programmatic issues. Following this review, I selected the SLAC/LBL/LLNL site as the preferred site. This selection is subject to completion of environmental reviews under the National Environmental Policy Act. It is the Department's preliminary view that neither site involves appreciable environmental impact, since both propose the use of existing collider tunnels.

Selection

Three risk factors - schedule risk, performance risk, and cost risk - were analyzed and are reviewed below, as are additional selection factors.

Schedule Risk:

The Department believes several factors weigh in favor of the site proposal made by SLAC. The first of these is the comparative detail of the two proposals. The SLAC proposal is based on a highly detailed and mature design that includes a refined construction schedule with identifiable milestones and thoroughly analyzed critical paths. In comparison, the Cornell proposal is much less complete, and in many ways is closer to what the Department considers to be a pre-conceptual design. For example, detailed designs and planning are lacking, and only preliminary drawings were available for the proposed collider. Critical paths and technical milestones are far less well-defined in the Cornell proposal than in the SLAC proposal, and thus raise concerns about possible schedule slippage during project execution. This concern regarding schedule risk is amplified by a comparative analysis of the two teams. The SLAC

proposal represents an extremely powerful combination of scientific and engineering talent which resides among three Department of Energy laboratories. The large pool of expert talent and seasoned experience in accelerator design and large facility operation ensures that resources would be available to address design and engineering issues during construction, commissioning, and operation, and thus keep the project on schedule. In relation to prior projects, the B-factory would be a less demanding engineering and construction effort than each of the three participating laboratories have executed independently. The manpower requirements for construction of the project could be easily accommodated at SLAC, requiring an average of 14 percent of SLAC's existing 1,400 personnel.

In comparison, the Cornell proposal would greatly tax existing resources, requiring considerable use of professors, graduate students and temporary employees. According to the proposal, more than 40 percent of the laboratory's current 176 full-time equivalents would be dedicated to the project. The remaining staff will operate and upgrade the existing storage ring and detector for the first two years of the project. Compared with prior experience, this project would be approximately twice as large as any previous project managed by the Cornell laboratory. The staff limitations, ambitious schedule, and lack of similar experience with a project of this scale convince the Department that the Cornell proposal does not have an adequate safety margin for remaining on its planned schedule.

Performance Risk:

As mentioned above, the performance requirements for a B-factory are very stringent. The ability to achieve the physics objectives for the project in a timely and cost-effective manner requires the production and measurement of more than 10 million B-meson pairs per year-a performance level which is 20 to 50 times higher than exists in current accelerators. "Factory-like" conditions are necessary for this facility to succeed. In this context, several concerns emerged during our analysis of the two proposals. The first of these involves technical issues associated with the proposed collider designs. Both Cornell and SLAC propose the use of existing collider tunnels. The smaller tunnel at Cornell forces a technically riskier design than that permitted by the larger tunnel at SLAC. Specifically, Cornell must employ high-gradient, superconducting accelerating structures to keep the beam shape and to compensate for the high energy loss from synchrotron radiation. Cornell's smaller ring requires use of a "crab crossing" collision scheme that has never been attempted, whereas the SLAC proposal involves a standard head-on collision configuration. In addition, Cornell's smaller ring will generate an unprecedented level of synchrotron radiation, which presents a considerable challenge to achieving the necessary performance requirements, particularly in maintaining the very high vacuum essential for this project.

In light of the high performance standards for this facility, Cornell's novel approach carries with it performance risks that are greater than in the conservative and highly optimized design presented by SLAC.

Cost Risks:

Each of the schedule risks and performance risks identified above translate into potential cost risks for the program, since protracted completion and commissioning of the facility could cost tens of millions of dollars per year. In several areas, the Cornell proposal does not include the margins of safety to accommodate cost risks which the Department would expect; in other areas, the Department questions cost estimates in the Cornell proposal.

For example, although the SLAC design is more mature than the Cornell design, the Cornell proposal includes a much lower estimate for engineering expenses. Specifically, the Cornell proposal allocates only $9 million to Engineering Design and Inspection (ED&I), compared with $26 million for these activities in the SLAC proposal. The majority of the Cornell ED&I funds ($5 million) are assigned to radio frequency (RF) systems, while vacuum systems, one of the most challenging areas of the Cornell proposal, are assigned only $1 million for ED&I. The Department believes that there exists a minimum cost risk of $17 million in this area, and perhaps more.

Another area of concern is in research and development (R&D) costs. According to the joint DOE-NSF review committee, SLAC has 3 major unresolved R&D items which could be resolved in one year; Cornell has seven unresolved R&D issues, which are expected to take 2 years. The R&D estimate in the SLAC proposal is $3.0 million; in the Cornell proposal it is $2.4 million. The Department believes the SLAC estimate is low by a factor of 2, while Cornell's is low by a factor of 5. This results in a cost risk difference of $6 million.

The Cornell proposal has a far more ambitious schedule than does the SLAC proposal. The cost of schedule slippage is not evaluated in the proposals; however, based on the schedule risks discussed above, the Department believes that the schedule in the Cornell proposal is likely to slip by 6 months to a year, with an associated cost risk of $10 million to $20 million.

The Cornell proposal does not include the cost of compliance with Department of Energy environmental, safety, and health regulations and the cost of improving the collider tunnel egress to meet Occupational Safety and Health Administration standards. The DOE-NSF review committee added $7 million to the proposal to account for these costs, but the Department believes that this estimate could easily double.

Finally, although the Department would expect the Cornell proposal to reflect the higher technical risks of its proposal in a higher contingency factor in its budget, this is not the case. The SLAC proposal includes a 23 percent contingency for accommodating cost risks, while Cornell's proposal includes only a 19 percent contingency. Cornell's contingency was raised by the review committee to 21 percent. However, the Department believes this contingency remains too low. In reviewing the Cornell proposal, the contingency assignments are highest on the most thoroughly analyzed portion of the proposal-the conventional construction (done by an independent contractor) and the RF systems-which were assigned contingencies of approximately 25 percent and 24 percent respectively. Much lower contingency figures were assigned to areas

with equally high risks.

The specific items above indicate a cost risk ranging as high as $50 million, not including risks associated with the generally low level of contingency in the Cornell proposal.

These considerations have led the Department to conclude that the Cornell budget estimate is considerably understated, probably by over half of the apparent difference between the $169.5 million total project cost (excluding detector construction) for the SLAC proposal, and the $99.5 million total project cost (excluding detector upgrade) in the Cornell proposal. In the context of the performance risks identified above, and additional factors discussed below, the remaining cost difference between these proposals does not become a driving factor for the Department's decision.

Other Factors

Both the Cornell proposal and the SLAC proposal hope to obtain a significant fraction of the cost of their detectors from foreign sources. The substantial interest in the B-factory that has been expressed by the international scientific community makes it reasonable to expect that approximately half of the detector costs will come from foreign sources. The construction of a new detector for the SLAC proposal is estimated to cost $68 million, while the upgrade of the existing Cornell detector is estimated to cost $18.2 million. The offset potential through foreign funding would be approximately $20 million higher for SLAC. The higher level of foreign funding which the Department believes would accompany the SLAC proposal would strongly support the Department's policy priority of encouraging international cooperation in current and future scientific research facilities.

An additional consideration is that SLAC currently is well-prepared to handle the approximately 300 physicists expected to utilize the B-factory, having serviced a user community approximately twice as large over the past 15 years. In comparison, Cornell currently handles somewhat less than 200 scientists, and plans to expand their facilities to support a community of about 300 for the B-factory.

Finally, the Department must consider the impact of this decision on the field of high energy physics and on future funding obligations for the Department. At the present time, SLAC is the premier U.S. laboratory in electron physics. It is a world-class research facility that has produced two Nobel prizes for fundamental breakthroughs in particle physics. The unique work force which resides at SLAC has been established over a period of 30 years and represents a national repository of expertise that cannot be easily replicated. However, in a fashion unlike that of Cornell's Laboratory of Nuclear Studies, the fate of SLAC and its personnel will be strongly impacted by this decision. Selecting SLAC for the B-factory would maintain the laboratory's vitality and preserve its world leadership in high-energy accelerator physics. The Department contemplates that this project can be undertaken under the existing SLAC management and operating contract.

Summary:

The Department would need an extremely compelling reason to make a decision that might result in the establishment at Cornell of a new Department of Energy laboratory (adding to the Department's current 30 laboratories), which would need to hire additional scientists and engineers of the caliber that currently reside at SLAC. The Department is not convinced that the cost differential of Cornell's proposal, when adjusted for cost risks and considered in the light of performance risks, justifies siting the B-factory at Cornell. The Department has a considerably higher margin of confidence in the SLAC proposal's ability to meet its stated budget, schedule, and performance objectives than we do in the Cornell proposal's ability to meet these goals. For these and the other reasons reviewed in this document, the Department has selected SLAC as the preferred site for construction of a B-factory.

Hazel R. O'Leary
Secretary of Energy

October 4, 1993

WorldWideWeb SLAC Home Page

SLAC 18 Mar 1994

Use the WorldWideWeb (WWW) service to gain access to a wide range of information at SLAC and elsewhere around the globe. Emphasized text like this is a hypertext link.

You may view WWW information through GUI or line-mode browsers. At least most SLAC pages have been tested on the MidasWWW X Window System browser. Note that over time links may move around on a page, migrate to others, or be removed entirely, due to the dynamic nature of the Web.

SLAC Information

People and organizations:
people at SLAC, particle physics people and institutions.
Library:
SPIRES-HEP, Current PPF-list, Books, SLACspeak glossary, other databases.
Physics Preprint Bulletin Boards (full-text postscript) :
today, yesterday, last seven days, week before that, let me search.
Seminars:
today, tomorrow, this week, next week, anytime, let me search.
Conferences:
this month, next month, next summer, next year, all future, let me search.
News:
APS What's New, SLAC Netnews, SSC News.

SLAC Physics Program

Experiments:
BaBar, BES, mQ, SLD, other.
Accelerator operations logs:
yesterday, today, this week, anytime.

SLAC Computing

General computing:
Amiga, Macintosh, PC, UNIX, VM HELP, VMS Help;
FreeHEP, Futures, Local Area Networking, Network Reference, Security, SLACwide, other.
Group computing:
SCS, other.
Wide Area Networks:
BARRNet, BITNET, ESnet, HEPnet, Internet, SuperJANET, other.

Other SLAC Information Resources

Annals, Laboratory facilities, Stores catalog, Telephone directory reference section, other.

Other Useful Information

Other institutions:
Brown, CERN, DESY, Fermilab, LANL, LBL, SSC, more HEP institutions;
Stanford University (Campus and the Medical Center);
AIP (FYI and Physics News Updates), NASA, NCAR, National MetaCenter for Computational Science and Engineering, other.

Other experiments:
ALEPH, DELPHI, L3, OPAL; CLEO; H1, ZEUS; D0, CDF; more HEP experiments.

Other information sources:
academic fields (the WWW Virtual Library), ESnet X.500 white pages, GopherSpace, grab-bag, hacker's jargon, LISTSERV lists, Netnews FAQs, other.

Support

WWW at SLAC is supported by the SLAC WWWizards, to whom you should address questions, comments, complaints, *etc*. See What's New for updates to SLAC's WWW pages or Major Changes for more system-related modifications. You may also find the Old SLAC Home Page or the Test SLAC Home Page useful.

The WWW Project was initiated at CERN, from which support is still coordinated. WWW contributors currently come from diverse parts of the world. For more information see WWW bibliography.

This page is intended for people experienced with WWW at SLAC ("refreshers").

This version was created by Joan Winters and evolved from part of the original SLAC Home Page, created by Tony Johnson and updated by various SLAC WWWizards.

Winters

The 1994-95 Personnel Performance Evaluation Forms (PPARs) are now available in a number of formats suitable for the different computing platforms at SLAC. The following is a description of what is available and the computers for which they are suitable:

ppar95b.txt - A plain ASCII version of the PPAR for Bargaining Unit employees; This version is available for all systems; The Macintosh version of this file is in TeachText format.

ppar95nb.txt - A plain ASCII version of the PPAR for Non-Bargaining Unit employees; This version is available for all systems; The Macintosh version of this file is in TeachText format.

ppar95b.tex - A TeX version of the PPAR for Bargaining Unit employees; This version is available on all systems.

ppar95nb.tex - A TeX version of the PPAR for Non-Bargaining Unit employees; This version is available on all systems.

ppar95b.ps - A PostScript version of the PPAR for Bargaining Unit employees; This version is available to all systems via anonymous FTP.

ppar95nb.ps - A PostScript version of the PPAR for Non-Bargaining Unit employees; This version is available to all systems via anonymous FTP.

ppar95b.rtf - A Rich Text Format (RTF) version of the PPAR for Bargaining Unit employees; This version is available to Macintosh users.

ppar95nb.rtf - A Rich Text Format (RTF) version of the PPAR for Non-Bargaining Unit employees; This version is available to Macintosh users.

1995 Bargaining Unit - A Microsoft Word version of the PPAR for Bargaining Unit employees; This version is available to Macintosh users.

1995 Non-Bargaining Unit - A Microsoft Word version of the PPAR for Non-Bargaining Unit employees; This version is available to Macintosh users.

VM Users will find the formats appropriate to VM on the T-disk (PPAR95B TXT T, PPAR95NB TXT T, PPAR95B TEX T, and PPAR95NB TEX T).

Macintosh Users will find all formats (including the Microsoft Word versions) in Public Disk 1:Templates & Forms:Personnel. The appropriate files are in separate folders named MS Word, Postscript, Rich Text, TeachText, and Textures respectively.

Users of all systems may obtain copies of the files via anonymous FTP to ftp.slac.stanford.edu in directory /pub/forms. The following files are available:

ppar95b.ps
ppar95nb.ps
ppar95b.txt
ppar95nb.txt

```
ppar95b.tex
ppar95nb.tex
```

Questions regarding the content of these files should be directed to Bernie Lighthouse (BURNE@SLAC.STANFORD.EDU), extension 2358. Questions regarding the formats of these files and where they are stored may be directed to Bebo White (BEBO@SLAC.STANFORD.EDU), extension 2907.

SLAC Home Page

10 Dec 1995

[SLAC Home Page | What's New | Intro | The Lab]

Hot Topic: **Martin Perl receives Nobel Prize!** Professor Perl was awarded the 1995 prize in physics for his discovery of the *tau lepton*.

N.B.: SLAC has embarked upon a major redesign of its URL names over the next few months. See Major Changes to SLAC WWW: Migration.

Table of Contents

Introduction

Use the WorldWideWeb (WWW) service to gain access to diverse information here and around the globe. Remember that over time hypertext links may move around on a page, migrate to other pages, or be removed entirely due to the dynamic nature of the Web.

SLAC Information (Including SPIRES)

Public Information:
introduction to SLAC, education, employment opportunities, maps, Summer Institute, tours.
Phone Books:
SLAC people (directory), particle physics people and institutions; SLAC and ESnet X.500 white pages; more phone books.
Library:
SPIRES-HEP, current PPF-list, books, SLACspeak glossary, *Library News*, more databases.
Recent E-Prints:
today, yesterday, last seven days, week before that, let me search.
Seminars:
today, tomorrow, this week, next week, this year, let me search.
Conferences:
this month, next month, next summer, next year, all future, let me search.
News and Periodicals:

Beam Line, *Business Briefs*, Hot Topics, Netnews, *New Options for Wellness*, *The Interaction Point**, *Training Opportunities**; APS What's New.

SLAC Physics

Experiments:
BABAR, BES, E143, E144, E154, mQ, SLD.
Groups:
SSRL, Theory, Group K.
Analysis Software:
GISMO
Accelerators:
Operations Logs:
Linac: yesterday*, today*, this week*, this year*; SPEAR.
Projects:
NLC, NLCTA, PEP-II.

SLAC Computing and Communications

General Computing:
Platforms:
Mac, PC, UNIX, VM HELP, VMS.
Topics:
ADCoC, FreeHEP, Futures, PowerBook Pool, Security, SLACwide.
Group Computing:
SCS*.
Communications:
Internet, Networking, Network Reference, Telecommunications.

More SLAC Information Resources

Community Information:
Life at SLAC, *SLAC Administrative Services Handbook*, *SLAC Environment, Safety, and Health Manual.*
Functions:
DRAW, ELDREQ*, Stores catalog*.

SLAC Organization+

Divisions
Environment, Safety, & Health (ES&H), Stanford Synchrotron Radiation Laboratory (SSRL).
Groups, Departments, *Etc.*
Accelerator Operations, Accelerator Theory and Special Projects Group, Technical Publications.
Organization Charts
Technical Publications

Useful Information Elsewhere

Physics:
HEP Experiments:
ALEPH, DELPHI, L3, OPAL; CLEO; H1, ZEUS; CDF, D0; more HEP experiments.
HEP Institutions:
Brown (including *The Virtual Review*), CERN, DESY, Fermilab, IHEP/China, LANL (including e-prints), LBL (including PDG), LLNL, more HEP institutions.
Federal Resources:
DOE, FedWorld, the MetaCenter, NASA, NCAR, NERSC, USGS, more federal agencies.
Local Area Resources:
Stanford University and its Medical Center, more local area resources.
Network Organizations:
BBN Planet, Western Region, CREN/BITNET, ESnet, HEPIC, Standards, SuperJANET.
Professional Societies:
AAS, ACM, AIP, APS (including PACS), NAS; HEPiX, UniForum, USENIX & SAGE.
Other Information Sources:
Colleges and Universities, GopherSpace, grab bag, hacker's jargon, LISTSERV lists, USENET FAQs, vendors, the WWW Virtual Library (including Accelerator Physics).

SLAC WWW Support

WWW at SLAC is supported by the WWW Technical Committee, to whom you should address questions, comments, complaints, *etc.* See What's New for updates to SLAC's WWW pages, Major Changes for more system-related modifications, and SLAC WWW Server Statistics for usage data. You may also find the Old SLAC Home Page and the Test SLAC Home Page helpful.

The WWW Project was initiated at CERN. People around the globe contribute. CERN has just turned over basic WWW development in Europe to the WebCore Project headed by INRIA. The International WorldWideWeb Consortium (W3C) is run jointly by INRIA and MIT. See the WWW bibliography for initial pointers to major topics and SLAC WWW resources for pointers to authoring, testing, and other materials for service providers here.

[Top]

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* Access to this link is restricted to SLAC users.

+ When the "SLAC Organization" section gets large, we intend to move parts of it, *e.g.*, "Groups, Departments, *Etc.*" and "Organization Charts" off to another page.

This page is intended for people experienced with WWW at SLAC ("refreshers") who prefer working in a flat dense space.

This version of the SLAC Home Page was created by Joan Winters and evolved from part of the original one created by Tony Johnson and updated by various SLAC WWWizards. This version of the SLAC seal was created by Terry Anderson.

[SLAC Directory | WWW Resources | Test Home Page | Suggestions]

Winters

10 Jun 1994

Extract old log from the production SLAC HTML to shorten the file and,
one hopes, improve performance re Tony Johnson:

```
<!--  7 Jun 93 by Winters  Created as rephalgamization of Winters's SLAC home page f
<!--  7 Jun 93 by Winters  Change HEP SLACSpeak link to include HEP SPIRES -->
<!-- 28 Jul 93 by Winters  Link from SLAC to slacinst.html, synch title & h1 -->
<!-- 28 Jul 93 by Winters  Change link to VM HELP server, add SCS link -->
<!--  2 Aug 93 by Winters  Split into production & group computing, add /usr/local/d
<!--  3 Aug 93 by Winters  Made *the* SLAC Home Page; named support entry
                           Add Netnews FAQs
                           Synch overlapping intro links with wwwintro.html -->
<!--  4 Aug 93 by Winters  Add uldoc.html pointer, in anticipation -->
<!--  6 Aug 93 by Winters  Add LAN & slacfac.html links, add WAN section
                          (BARRNet, BITNET, ESNet, Internet links) -->
<!--  9 Aug 93 by Winters  Fix BITNET link; update BARRNet link -->
<!-- 17 Aug 93 by Winters  Split SPIRES into People & Library, standardize & minimiz
<!-- 18 Aug 93 by Winters  Add temporary pointer to previous SLAC home page as per A
<!-- 19 Aug 93 by Winters  Add link to RAC's SPIRES-in-HEP-worldwide chart -->
<!-- 23 Aug 93 by Winters  Rephalgamize re Addis: rephrase; add browsers, delete HEP
<!-- 23 Aug 93 by Winters  Add new br tag (Developers Conf via TonyJ), SLAC Speak li
<!-- 24 Aug 93 by Winters  Change all local refs to fully qualified for use as SHP b
<!-- 26 Aug 93 by Winters  Add FIND to my link; lower case in prep for UNIX case sen
<!--  2 Sep 93 by TonyJ    Add trailing slashes (required by Next) at end of CERN an
<!-- 30 Sep 93 by Winters  Add link to CERT FTP /pub files; hr tag before author -->
<!--  6 Oct 93 by Winters  Split ESNet into FTP and Gopher links; add HEPnet, CS+, L
<!--  7 Oct 93 by Winters  Change APSNEWS to standard APS What's New? -->
<!-- 11 Oct 93 by Winters  Add Millicharge re Willie; change ESNET FTP link to .../p
<!-- 11 Oct 93 by Winters  Delete CERT link for first stab at Security page from Oth
<!-- 11 Oct 93 by Winters  Link "other" to new create.html; make (sub)lists more alp
<!-- 11 Oct 93 by Winters Add 2 AIP links re RAC -->
<!-- 14 Oct 93 by Winters Add link to prototype SLAC Annals re RAC, Glanzman, RLC --
<!-- 14 Oct 93 by Winters Add audience and ack, significant blank after date -->
<!-- 15 Oct 93 by Winters Change link from slacvoid to lan.html -->
<!-- 22 Oct 93 by Winters Add link to futures.html re RAC; del ack link to WWWizards
<!-- 23 Oct 93 by Winters Change news.answers link to OHU's sorta alpha list re RAC
<!-- 27 Oct 93 by Winters Change link to old Home Page to oldslac.html on prod and m
<!--           move Security link to General Computing -->
<!-- 30 Oct 93 by Winters Create NetRef link for RAC; del section-positioning senten
<!--  3 Nov 93 by Winters Uppercase PC per GJM; add link to Test SLAC Home Page re R
<!--  8 Nov 93 by Winters Subtitle SLAC Info and doc dynamic nature of links re Cath
<!-- 19 Nov 93 by Winters  Server from WWWTEST at port 5080 to WWW; format upd for x
<!--         remove explict default ports and empty NeXT link  -->
<!-- 20 Nov 93 by Winters  Remove SPIRES from first  h2  re LXA; redundant Computing
<!--         Remove Campus CS link (always down now) -->
<!-- 20 Nov 93 by Addis    Change text to "Physics Preprint Bull. Boards", SPIRES-HE
<!--       "other databases"; add DESY link -->
<!-- 22 Nov 93 by Addis    Change BOOKS to Books -->
<!-- 24 Nov 93 by Winters  Add BaBar (re DRAGON) and Stores (re LXA) links -->
<!-- 03 Dec 93 by Addis    Various changes?? ... -->
<!-- 17 Dec 93 by Winters  Change ESnet links to new WWW page re JXH; spell out Bull
<!-- 20 Dec 93 by Winters  Make Futures, FreeHEP alphabetical... -->
<!-- 21 Dec 93 by Winters  Add ESnet X.500 and SuperJANET re RAC; try qspires format
<!--         change people in HEP (ambiguous) to particle physics people re LXA -->
<!-- 24 Dec 93 by Winters  Add NASA home page, WWW Virtual Lib to academic fields te
<!-- 14 Jan 94 by Winters  Add link to Galic's online HEP experiments -->
<!-- 18 Jan 94 by Winters  Add link to new whatsnew.html and update neighboring text
<!-- 19 Jan 94 by Winters  Fix up alphabetization of Other Info Sources -->
<!-- 20 Jan 94 by Winters  Implement our consensus for explist.html names re Galic a
```

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<!-- 25 Jan 94 by Winters  Add individual experiments to help with more HEP [experim
<!-- 25 Jan 94 by Winters  Put PC link from pc.html back to slacvoid.html for now --
<!-- 26 Jan 94 by Winters  Put PC link back to pc.html for test env -->
<!-- 02 Feb 94 by Galic    Add 'let me search' to SEMINARS & B-BOARDS -->
<!--  1 Feb 94 by Winters  Add vendor link; remove default port for HERA-H1 and - fr
<!--         Resynch with prod SHP.  Change text from "anytime" to "this year" in Sem
<!--         Upd Stanford U link to new WWW page from Gopher (included) -->
<!--  2 Feb 94 by Winters  Upd Stanford Med to new WWW page & simplify STU link re N
<!--         add links to USGS, more federal agencies (gopher list from NSF), replace
<!--         add WAN name -->
<!--  4 Feb 94 by Winters  Add AIP+'s PACS link re Clancey -->
<!--  4 Feb 94 by Winters  Move lan.html to UNIX re RAC and general vs group info; a
<!--  7 Feb 94 by Winters  Try out Terry Anderson+'s new red SLAC logo -->
<!--  9 Feb 94 by Winters  Upd links re info.cern.ch to www.cern.ch for CERN physics
<!-- 16 Feb 94 by Winters  mod link to Terry's ten-percent smaller SLAC seal; -->
<!--         add link to TonyJ's WWW server usage stats -->
<!--         make official TEST SLAC Home Page re WWWizards meeting today; includes a
<!-- 18 Feb 1994 upd L3 link (from gopher to html) re Harv -->
<!-- 28 Feb 94 by Winters  Upd ZEUS link, change HERA-H1 to H1 re Galic -->
<!--  1 Mar 94 by Winters  Upd ESnet X.500 link from gopher to www re JXH; add LLNL
<!--         Add ack to Terry Anderson for new red SLAC seal and iterate page origin
<!--  2 Mar 94 by Addis    Put conferences next summer before next year (logged and
<!--  3 Mar 94 by Winters   Add footnote for those links restricted to SLAC re LXA -
<!--  4 Mar 94 by Winters   Add " " around 3 NAME= and cap, cap S of support name --
<!--  7 Mar 94 by Winters   Create sublists and subsublists for SLAC Physics (Res an
<!--            Other Orgs, and retitle; add Prof Soc subsection; reduce number of cr
<!--            move locres.html and vendors.html into Other Orgs -->
<!--  8 Mar 94 by Winters   Upd Delphi link re Galic -->
<!--  9 Mar 94 by Winters   Change link to Sharon's upd theo.html -->
<!-- 15 Mar 94 by Winters   Change SLAC Physics section structure re Riordan for The
<!--            Add APS link, move AIP PACS link to new APS PACS; move ESNET X.500 to
<!-- 16 Mar 94 by Winters   Iterate to ESnet white pages; other db to more db -->
<!-- 18 Mar 94 by Winters   Upd link to SSC re Galic -->
<!-- 23 Mar 94 by Winters   Change LBL link from Gopher to HTML re Galic -->
<!--  5 Apr 94 by Winters   Change D0 link to FNAL's now current WWW page re Galic;
<!-- 13 Apr 94 by Winters   Add NERSC link re RAC -->
<!-- 18 Apr 94 by Winters   Link to Terry Anderson's framed tiff SLAC logo plus unsh
<!--            Add DOE link re RAC  -->
<!-- 20 Apr 94 by Winters  Remove Test lines and edit for cutover  -->
<!--            Upd OPAL link, again (found in final testing...) -->
<!-- 26 Apr 94 by Galic    New link to CDF document. HG                -->
<!-- 27 Apr 94 by Winters  Fix date and format of HG's preceding comment; -->
<!--            change link to main SPIRES page from default.html to spires.html re G
<!-- 28 Apr 94 by TonyJ      SLD link changed  [log by Winters] -->
<!-- 26 May 94 by Winters  Add HEPiX to new subsection of Prof Soc for computer user
<!-- 26 May 94 by Winters  Add Steve Williams PowerBook Pool to Computing Functions
                                                                  10 May 1995

Extract old log again from Test SLAC HTML to shorten the file and improve
performance re Henniss:

<!--  3 Jun 94 by Winters  Upd Opal link re Galic and LANL link re Ginsparg -->
<!--  6 Jun 94 by Winters  Change LANL link to xxx to check on HTTP 1.0 problems re
<!-- 10 Jun 94 by Winters  Add new "hot topic" link to Drell Report on future of US
<!--    add the 2 " " in intro links, del :70 from stis and :80 from USGS; change sl
<!-- 16 Jun 94 by Winters  Upd LLNL link from gem1 to babar1 re T Wenaus -->
<!-- 28 Jul 94 by TonyJ Change SLD link to point to working page -->
<!--  3 Aug 94 by Winters  Add Bebo's 15 Jul mod of Analysis Software and GISMO link
<!--            pending creation of Physics Tools page -->
<!--  3 Aug 94 by Winters  Upd LANL link to institution w link to old preprint serve
```

```
<!--           made comment pointer to new xxx server waiting HTTP 1.0 -->
<!--           upd Hot Topic to SSI re Lileb and add link to new SLAC Hot Topic repo
<!--           sep "institutions" from "ESnet white pages" by ; -->
<!--  5 Aug 94 by Winters  Add PDG re Galic w LBL -->
<!--  5 Aug 94 by Winters  Change Computer Fair link from .ps to .gif w TJA cause un
<!-- 11 Aug 94 by Winters  Upd link from DIRDRIVE to Frame-to-HTML Telephone Users'
<!--           remove Computer Fair as Hot Topic -->
<!-- 12 Aug 94 by Winters  Add protolink to E143! re Charlie Young & Anna Shapiro --
<!-- 16 Aug 94 by Winters  Add 2nd Hot Topic (Dorfan B-Fac Review) re PAK; del SSC N
<!-- 17 Aug 94 by Winters  Add link to SSC equipment disbursement re RAC w new subdi
<!-- 22 Aug 94 by Winters  Remove SSI Hot Topic.  It's done; add link to Library New
<!-- 23 Aug 94 by Winters  Move SSC equipment disbursement link to /usr/local/scs/do
<!--  2 Sep 94 by Winters  Move Library News [deprecated name] to Library subsection
<!--           add protolink to E154 re CCY -->
<!--  6 Sep 94 by Winters  Remove B-Factory Review re PAK (w ~2wks lifetime of each)
<!--           now first "no Hot Topic" state since it started -->
<!--  7 Sep 94 by Winters  Change name of temporary SSC equipment distribution link
<!-- 21 Sep 94 by Winters  Add NAS and upd DOE links re RAC, add ~new AIP (del FYI a
<!--  4 Oct 94 by TonyJ    Get rid of all references to SLACVX -->
<!--  6 Oct 94 by Winters  Change link to SLAC Phone Guide to new Telecomm Home Page
<!--  6 Dec 94 by Winters  Much material below installed in production -->
<!-- 19 Oct 94 by Winters  Try out  h6  re RAC and Ilse for footnotes; -->
<!--           add new page design playpen link re SHP ferment and PAK; -->
<!--           add top level (only) Table of Contents re RAC & ~Tech Committee -->
<!--           remove most "learner" info from Intro re WWW Tech Cmtee; upd HEPiX li
<!-- 20 Oct 94 by Winters  Start reorg of "SLAC Physics"...; make ~group section w n
<!-- 21 Oct 94 by Winters  Make Accelerator section w Operations logs subsection re
<!--           upd Hacker's Jargon link -->

<!-- 25 Oct 94 by Winters  Try smaller SLAC logo re RAC from TJA; TJA's-6*10% in xv;
<!--           retitle to SLAC Computing and Communications, make Comm subsection w
<!--           move WAN into Other Orgs, retitling Network Orgs subsection; upd HEPn
<!--           retitle Support section to SLAC WWW Support -->
<!-- 26 Oct 94 by Winters  Change WAN name to "Network organizations" for potential
<!--           change subsection "Other" to "Other federal resources" re PAK moving
<!--           change trial  h6  tag around most endmatter into new Netscape  font
<!--           change SCS link to point to UNIX version of page re RAC -->
<!-- 31 Oct 94 by Galic    Change term bulletin-boards to e-prints -->
<!--  3 Nov 94 by Galic    More e-print related terminology changed -->
<!--  6 Nov 94 by Winters  Move scs.html into .../SLAConly/scs.html restriction to S
<!-- 23 Nov 94 by Winters  Upd Aleph link re HRG; lc mentor e-prints -->
<!-- 28 Nov 94 by Winters  Add Public Information section re PAM and SVJ w SLACinst
<!--           add SPIRES to "SLAC Info" title, retitle "People and Org...s" to "Pho
<!--           add link to wwwref.html re WWW-Tech, revising rel text; -->
<!--           change WWWizards to WWW Tech Cmtee...; standardize more case; -->
<!--           change URL ssrl01 to www-ssrl re NLCTA link pending Alan Winston -->
<!--  6 Dec 94 by Winters  Make Accelerators plural and add NLCTA link re David Whit
<!--           rename wwwref.html to resources.html; rename SLACFAC to MAPS and move
<!--           change SLAC logo to copy of TJA's Slac_Seal-6.gif that just became sy
<!--           add FedWorld link re RAC; del Playpen link (see Resources); make reso
<!--           Accel Components to Projects -->
<!--  7 Dec 94 by Winters  Retitle and move SPEAR link to Accelerators Logs re WGL -
<!-- 18 Dec 94 by Winters  Upd educ and tours links to ~winters/pub/www/education; u
<!--           add draft SLAC disclaimer re RCH; upd addr binlist to owner -->
<!-- 20 Jan 95 by Winters  Iterate "WWW Resources" text re Diana -->
<!--           Migrate from wizards.html to TonyJ's www-tech/intro.html; note variou
<!--           Upd APS News host re Galic; upd global support par w W3C and CERN/MIT
<!--           Add  HTML ,  HEAD , and  BODY  tags -->
<!--  1 Feb 95 by Winters  Upd CDF link from SLAC interim page to real one at FNAL r
<!--           upd SLAC tour link re SVJ (remove _slac) -->
```

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<!--  2 Feb 95 by Winters  Make Galvin Report SLAC Hot Topic  re RChan and Leith -->
<!--  6 Feb 95 by Winters  Upd title/first header 1 to make SLAC first and del World
<!--  9 Feb 95 by Winters  Fix ssrl01 to www-ssrl for SPEAR  (missed when upd SSRL li
<!--            del Amiga placeholder re Willy (not supported); -->
<!--            upd to wwwtech/wwwtech.html but fully qual?? -->
<!-- 10 Feb 95 by Winters  Upd from /winters to www node+/slac/www/resource/resource
<!-- 22 Feb 95 by Winters  Upd mQ and five other links to new, partially qualified (
<!--            .../wwwtech.html, .../resource.html, /disclaimer.html, /owner/... -->
<!-- 23 Feb 95 by Winters Terse page migration warning and make duration "honest" =
<!--            make Hot Topic highlighted after menu and PMW  re ASJ, LXA, et al.; te
<!--            italicize "Library News"; mod LAN to Networking re RAC and FXR; -->
<!--            add Virtual Review link (in Brown) re PAK -->
<!--  2 Mar 95 by Winters  Change the one www-slac...:5080 link back to slacvm to by
<!--            test UNIX server after today's repointing of www-slac from SLACVM to
<!--  6 Mar 95 by Winters  Add ESaH link to Other SLAC Info Res, pending their getti
<!--            upd link to AFS security.html and create.html  from VM -->
<!--  7 Mar 95 by Winters  Change over to new AFS URL /comp/vendor/vendor.html from
<!--  9 Mar 95 by Winters  Add link to TechPubs (temp in Other SLAC), upd more HEP i
<!--            alpha "Other Org", "General Computing", and "Accelerators" lists; not
<!-- 16 Mar 95 by Winters  Tiddle comment '     change subsection "Other:" to "Other
<!--            to attempt to suppress display bug? in Netscape; OK in MidasWWW and x
<!--            removal of colon worked...;  fix Phone Book spelling; -->
<!--            upd WWW stats link re PWC; cap 2nd and 3rd-level titles; restore end
<!--            upd global WWW support to WebCore and INRIA in Europe, no longer CERN
<!--            upd CREN, SuperJANET links; add link to net and telecom standards org
<!-- 21 Mar 95 by Winters  highlight SLAC re WWW Resources re RAC -->
<!-- 29 Mar 95 by Winters  add SLAC employment opportunities link, -->
<!--            upd SLAC phone directory link from BINLIST to Evelyn/Diana's search f
<!--            add link to SLAC X.500 dept list re RAC; -->
<!--            upd APSNEWS from wn94gen to wn95gen.html (sigh) -->
<!-- 30 Mar 95 by Winters  remove host from ?? .../winters URL; left img re Midas an
<!-- 31 Mar 95 by Winters  Add E144 exp re Prebys; -->
<!--            add link to PPAR MEMO T re RAC -->
<!--  6 Apr 95 by Winters  Add ELDREQ as slaconly re RAC -->
<!--  7 Apr 95 by Winters  Upd E143 and E154 links to new AFS URL re CCY -->
<!-- 12 Apr 95 by Winters  Upd ELDREQ URL and PEPII from void to db.html re GXC -->
<!-- 13 Apr 95 by Winters  Update PACS re Galic and HEPiX -->
<!-- 24 Apr 95 by Winters  Add menu bars re RAC, upd Disclaimer text re RCH; -->
<!--            change Hot Topic from Galvin to TODTWD; terse NB on URL migration; --
<!--            add Divisions section re Org entry; reorganize Info Elsewhere re KBH;
<!--            add Top of page link re RAC; small edits; -->
<!--            pull AJS's Search from top menu pending beyond experimental and URL -
```

* * * * * * * * * * * * TEST * * * * * * * * * * * *

SLAC Home Page

10 Dec 1995

[SLAC Home Page | What's New | Search| Intro | The Lab]

Hot Topic: **Martin Perl receives Nobel Prize!** Professor Perl was awarded the 1995 prize in physics for his discovery of the *tau lepton*.

N.B.: SLAC has embarked upon a major redesign of its URL names over the next few months. See Major Changes to SLAC WWW: Migration.

Table of Contents

Introduction

Use the WorldWideWeb (WWW) service to gain access to diverse information here and around the globe. Remember that over time hypertext links may move around on a page, migrate to other pages, or be removed entirely due to the dynamic nature of the Web.

SLAC Information (Including SPIRES)

Public Information:
introduction to SLAC, education, employment opportunities, maps, Summer Institute, tours.
Phone Books:
SLAC people (directory), particle physics people and institutions; SLAC and ESnet X.500 white pages; More Phone Books.
Library:
SPIRES-HEP, current PPF-list, books, SLACspeak glossary, *Library News*, more databases.
Recent E-Prints:
today, yesterday, last seven days, week before that, let me search.
Seminars:
today, tomorrow, this week, next week, this year, let me search.

Conferences:
this month, next month, next summer, next year, all future, let me search.
News and Periodicals:
Beam Line, *Business Briefs*, Hot Topics, Netnews, *New Options for Wellness*, *The Interaction Point**, *Training Opportunities**; APS What's New.

SLAC Physics

Experiments:
BABAR, BES, E143, E144, E154, mQ, SLD.
Accelerators:
Operations Logs:
Linac: yesterday*, today*, this week*, this year*; SPEAR.
Projects:
NLC, NLCTA, PEP-II.
Groups:
Group K, SSRL, Theory.

SLAC Computing and Communications

General Computing:
Platforms:
Mac, PC, UNIX, VM HELP, VMS.
Topics:
ADCoC, Futures, PowerBook Pool, Security, SLACwide, vendors.
Specialized Computing:
Physics Tools, SCS*.
Communications:
Internet, Networking, Network Reference, Telecommunications.

More SLAC Information Resources

Community Information:
Activities, *Life at SLAC*, *SLAC Administrative Services Handbook*, *SLAC Environment, Safety, and Health Manual*.
Functions:
DRAW, ELDREQ*, Stores catalog*.

SLAC Organization+

Divisions
Environment, Safety, & Health (ES&H), Stanford Synchrotron Radiation Laboratory (SSRL).
Groups, Departments, *Etc.*
Accelerator Operations, Accelerator Theory and Special Projects Department, Controls Department Quick Ref, Technical Publications Department.
Organization Charts
SLAC Computing Services, Technical Publications

Useful Information Elsewhere

Physics:
HEP Experiments:
ALEPH, DELPHI, L3, OPAL; CLEO; H1, ZEUS; CDF, D0; more HEP experiments.
HEP Institutions:
Brown (including *The Virtual Review*), CERN, DESY, Fermilab, IHEP/China, LANL (including e-prints), LBL (including PDG), LLNL, more HEP institutions.
Federal Resources:
DOE, FedWorld, the MetaCenter, NASA, NCAR, NERSC, USGS, more federal agencies.
Local Area Resources:
Stanford University and its Medical Center, more local area resources.
Network Organizations:
BBN Planet, Western Region (formerly BARRNet) , CREN/BITNET, ESnet, HEPIC, Standards, SuperJANET.
Professional Societies:
AAS, ACM, AIP, APS (including PACS), NAS; HEPiX, UniForum, USENIX & SAGE.
Other Information Sources:
Colleges and Universities, GopherSpace, grab bag, hacker's jargon, LISTSERV lists, USENET FAQs, the WWW Virtual Library (including Accelerator Physics).

SLAC WWW Support

WWW at SLAC is supported by the WWW Technical Committee, to whom you should address questions, comments, complaints, *etc.* See What's New for updates to SLAC's WWW pages, Major Changes for more system-related modifications, and SLAC WWW Server Statistics for usage data. You may also find the Old SLAC Home Page and the Test SLAC Home Page helpful.

The WWW Project was initiated at CERN. People around the globe contribute. CERN has just turned over basic WWW development in Europe to the WebCore Project headed by INRIA. The International WorldWideWeb Consortium (W3C) is run jointly by INRIA and MIT. See the WWW bibliography for initial pointers to major topics and SLAC WWW resources for pointers to authoring, testing, and other materials for service providers here.

[Top]

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* Access to this link is restricted to SLAC users.

+ When the "SLAC Organization" section gets large, we intend to move parts of it, *e.g.*, "Groups, Departments, *Etc.*" and "Organization Charts" off to another page.

This page is intended for people experienced with WWW at SLAC ("refreshers") who prefer working in a flat dense space.

This version of the SLAC Home Page was created by Joan Winters and evolved from part of the original one created by Tony Johnson and updated by various SLAC WWWizards. This version of the SLAC seal was created by Terry Anderson.

[SLAC Directory | WWW Resources | Test Home Page | Suggestions]

Winters

Index of /archive/1995/SLACinst

Name	Last modified	Size	Description
Parent Directory	05-Feb-1997 21:09	-	
SLACinst.html	18-Jan-1996 22:46	7k	
aerial.gif	03-Aug-1993 16:10	144k	
aerialicon.gif	11-Aug-1993 21:38	2k	
beamlines.gif	03-Jan-1995 14:08	8k	
fact-sheet.ps	08-Aug-1994 18:29	80k	
key-events.ps	12-Aug-1993 16:36	100k	
logo.gif	25-Oct-1994 20:55	7k	
logo.readme	06-Dec-1994 02:20	1k	
src/	15-Dec-1995 10:34	-	
~logo.gif	18-Apr-1994 19:15	5k	

Apache/1.3.12 Server at www.slac.stanford.edu Port 80

Introduction to SLAC, the Lab

SLAC 7 Jul 1995

This panel is under construction.

The Stanford Linear Accelerator Center (SLAC) is a national laboratory operated by Stanford University for the US Department of Energy. SLAC has been in continuous use for over 25 years in a national research program that has made major contributions to our understanding of nature. The Center is one of a handful of laboratories worldwide that stands at the forefront of research into the basic constituents of matter and the forces that act between them.

SLAC does experimental and theoretical research in elementary particle physics using electron beams, plus a broad program of research in atomic and solid state physics, chemistry, biology and medicine using synchrotron radiation. Scientists from all parts of the United States and throughout the world participate in this work. There are active programs in the development of accelerators and detectors for high energy physics research and of new sources and instrumentation for synchrotron radiation research.

SLAC was founded in 1962, and the Stanford Synchrotron Radiation Laboratory (SSRL) came into being in 1979 as a national users' facility. SSRL became part of the SLAC facility in 1992. Their combined staff is currently about 1400, of whom 150 are Ph.D. physicists. At any given time, there are typically 300-400 physicists from other institutions participating in the high energy physics program and 600 scientists in the synchrotron radiation program.

SLAC has the following major facilities:

- **The Linac**, a three-kilometer (or two-mile) long linear accelerator, capable of producing electron and positron beams with energies up to 50 GeV
- **SPEAR**, a storage ring 80 meters in diameter now used as a synchrotron radiation source
- **PEP**, a 30 GeV colliding-beam storage ring, 800 meters in diameter, now being upgraded to serve as a B meson factory
- **SLC**, a 100 GeV electron-positron linear collider
- Major particle detection facilities, such as ESA and SLD

as shown in this aerial view  .

A number of significant events have been associated with these facilities and the physics done using them.

Located on 426 acres of Stanford University property, the laboratory is three miles west of the main campus. Its main entrance is on Sand Hill Road, just east of Interstate 280. To learn more, read the entire

"Brief History," browse the pages labeled "SLAC" in the WorldWideWeb, or contact SLAC itself. Tours of the Laboratory are scheduled frequently.

To go to the SLAC Home Page, press here.

Most of the text was originally extracted from "A Brief History of SLAC: An Introduction to the Stanford Linear Accelerator Center" (May, 1993) from the Public Affairs Office. Patrick Clancey was instrumental in scanning the SLAC aerial view. Philippe Argouarch created the schematic of the SLAC beam lines.

E. Michael Riordan, Joan Winters