Analysis Tools Software

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Skim cycle and physics release

- We are synchronizing the physics release with the skim cycle
  - Avoids applying different algorithm (e.g. PID) before and after skimming.
- Recommendations (e.g. support)
  - analysis-26 to analyse R16
  - analysis-23 to analyse R14 (are you still using that data? why?)
  - We do not have an official R18 physics release
    - You can use 18.3.1x
    - There will be an analysis-30
analysis-26 status

• Replaces analysis-24 and analysis-25
• No critical problem reported so far
  – Interactive access executable crashes on exit
    • We don't understand why but it seems does not compromise the results
      – Results same as in analysis-25
  – Few extra tags defined to fix small other bugs
    http://www.slac.stanford.edu/BFROOT/www/Physics/PhysicsReleases/extra_tags.html
    • Bookkeeping (BbkSPModes)
    • BtaTupleMaker
    • Warning about “non existent class dictionary”
analysis-26 status

- New feature added as optional extra tags:
  - Chung's tool for writing UserData with tcl (see his talk)

- Feedback about extra tags from yesterday AWG reports
  - How to know when a new extra-tag has been added?
    - The list is on the web
    - They are listed in an ascii file as well
    - I could post a message in AnalysisTools HN
    - Please note that not all the tags are necessarily required.
Groups and individuals follow different paths.

I would like to see more specific feedback from AWG about needs, point of weakness or holes in the model and the tools.
Skimming

- I see periodically the same question returning:
  Should I use SkimMiniApp or BetaMiniApp to produce a refined skim from an existing skim?

- SkimMini package (and FilterTools) is meant for production
  - Testing a skim for the next cycle → SkimMini
  - Producing a “regular” skim not made in production → SkimMini (yesterday question)
  - Making a private or AWG sub-skim → BetaMiniUser or XXXUser
Status of Kanga

- Kanga allows direct access to persistent data (for simple stuff also interactively)
  - Let you by-pass the persistent to transient conversion
- Some tools to simplify the access and the user interface already available
- Since Eric left BaBar, nobody has replaced him as Kanga Guru.
  - Most of the features documented in
    just works
  - Development and more documentation is still needed
  - Manpower problem
Analysis Tools efforts

- From yesterday AWG reports emerged that some activity has been done on tools
  - And there are some request for more or more features.
- Analysis-Tools HN is the right place for seeking advice or reporting problems
- We used to have also Analysis-Tools meetings in the past interrupted at some point
  - Maybe it could be the case to revitalize it to
    - Let people know about each other developments
    - Discuss technical aspects and receive feedback
    - Make some planning
  - interest and man-power is a pre-condition