

physics

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Subjects can not be studied well at BF.
or $\tau e F$ has advantages

- resonances, threshold
 - $\mathbb{J}/\psi, \psi'$ can only be studied at $\tau e F$
 - How important is the subject?
 - Can glueball states be identified?
 - Can BEPC/BES study it well?
- luminosity? detector performances?
 $> 10^9$ \mathbb{J}/ψ difficult for BEPC

- τ physics

	BF	$\tau e F$
$M_{\nu\tau}$	3 MeV \rightarrow 10-15 MeV	1
CP violation	?	1
		polar.

τ rare decay	BF	τcF	$\tau \rightarrow eX$
hadronic decay		No difference	
		different systematic	

- Charm	BF	τcF
	D^0 tag	D^+ decay
	D_s tag?	D_s ?
$D^0 \bar{D}^0$ mixing		

physics topics to be clarified

τ CP violation) τcF reach
 $M_{\tau c}$

checking physics window { τ CP
 $M_{\tau c}$
 $D^0 \bar{D}^0$ mixing

technique issues

1. No more difficult than BF, IF.

2. Understand Background

3. Polarization.

polarimeter

4. I. P.

Detector optimization

real issue . A team with
qualified, motivated persons

Short-term plan

- Final review of BEPC/BES upgrade
- apply and get large increase in BEPC/BES operating budget
- Discussion of IHEP's scientific goal, in the long run
- TCF Workshop in China