CIF intro

G. Mezzadri – F. De Mori

BESIII Italia – Ferrara - 08/11/2021

Schedule

- Status of J/psi → omega pi0
- Update from Z_c studies
- psi(2S) → tau tau
- Phase from psi(2S)
- Phase measurement Task Force report
- Precise measurement of BR(J/psi → KK) from pi pi J/psi
- Round table for physics analysis

About other analyses

- Hc parameters:
  - Finalized the draft, now preparing the answers to CWR comments
- Phase in ppbar:
  - During the summer, updated the memo with optimized systematics

Feasibility study of $h_c \rightarrow e^+e^- \eta_c$

New!

- Search for Dalitz EM transition between 1^{+-} e 0^{-+} charmonium states
  - Access to structure of hadrons-photon coupling -VMD
  - Understand whether it is possible to deduce properties of the double charmonium cross section e+e- → hc eta_c below production threshold
- Start from Marco Scodeggio's $h_c \rightarrow$ gamma η_c
- Study to show the capabilities of using 3B psi(2S) dataset
- Previous study (in advanced stage but still unpublished) shows evidence of the process with current data set (https://hnbes3.ihep.ac.cn/HyperNews/get/paper380.html)

Other news

- Start of the operation on Nov 6
  - Marco Destefanis in the first shift!
  - Data taking dedicated to psi(3770)

- Next BESIII meeting (online only) starts on Nov 29

Let’s begin the CIF session!

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