

Comitato Italiano di Fisica Activities summary

Monica Bertani, LNF
Isabella Garzia, UNIFE and INFN

February 27, 2023

CIF Agenda

14:10

CIF introduction

Speakers: Isabella Garzia (Istituto Nazionale di Fisica Nucleare) , Monica Bertani (Istituto Nazionale di Fisica Nucleare)

14:25

Status update on pipiJpsi around psi(2S) mass

Speaker: Giulio Mezzadri (Istituto Nazionale di Fisica Nucleare)

14:50

Study of the ee -> pipipsi(2S) cross-section at centre-of-mass energies higher than 4.6 GeV and search for the charged Zc(4430) state

Speaker: Marco Scodeggio (Istituto Nazionale di Fisica Nucleare)

15:15

Psi(2S)→tau tau: a way to test LFUV @ BESIII

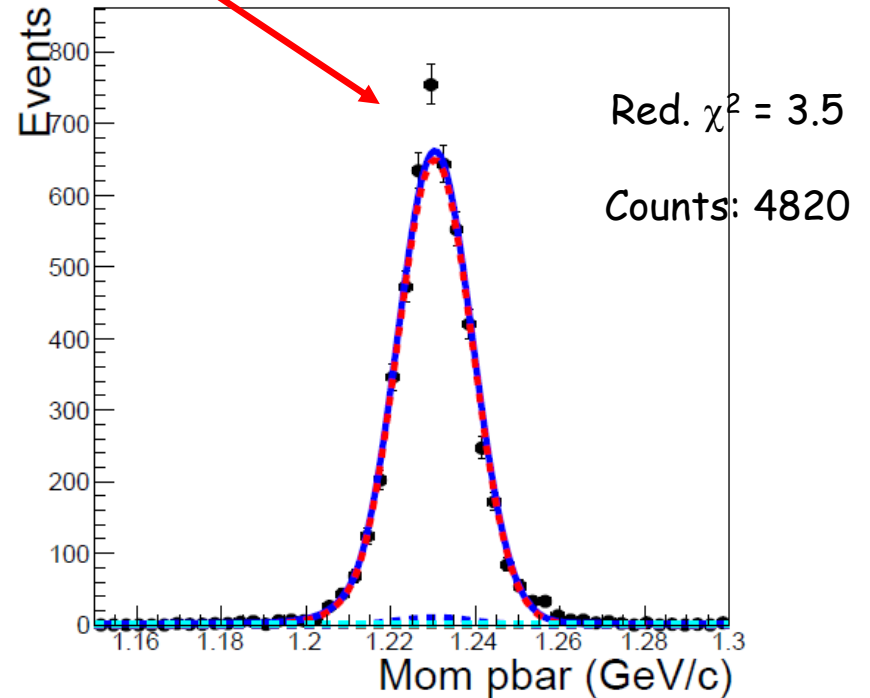
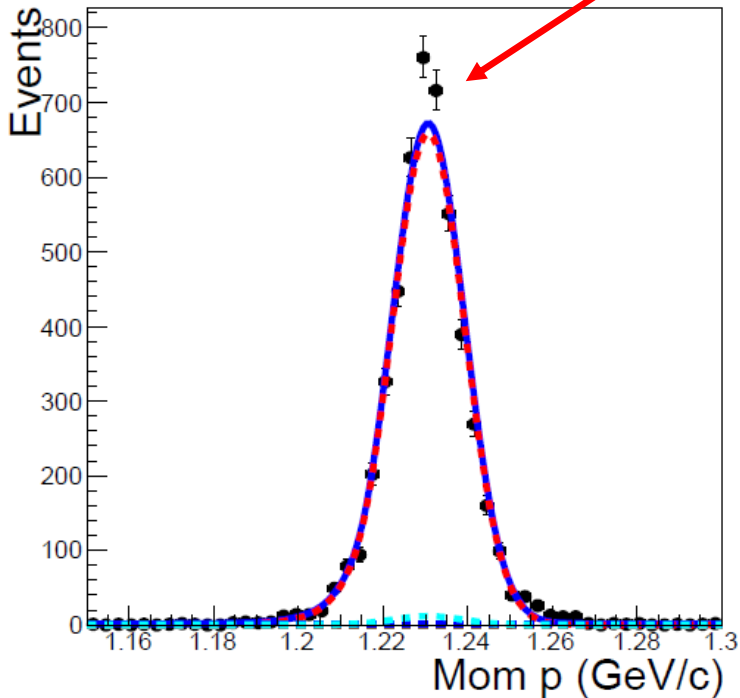
Speaker: Isabella Garzia (Istituto Nazionale di Fisica Nucleare)

Not covered in this meeting

1. Analysis of $J/\psi \rightarrow p\bar{p}$ via $\psi(2S) \rightarrow \pi^+\pi^-J/\psi$ by Francesca De Mori
 - Collaboration with Meichen Yu started. Analysis in a good shape
2. Analysis of $J/\psi \rightarrow K^+K^-$ via $\psi(2S) \rightarrow \pi^+\pi^-J/\psi$
 - Draft ready, asked for CWR on January 31st
 - 1 reply (Meike)
 - Asked personally to sign off to the other RC members
3. Phase measurement in $e^+e^- \rightarrow p\bar{p}$ with J/ψ scan data - Marco Destefanis
 - Prepare answers to the RC

$e^+e^- \rightarrow p\bar{p}$ with J/psi scan data

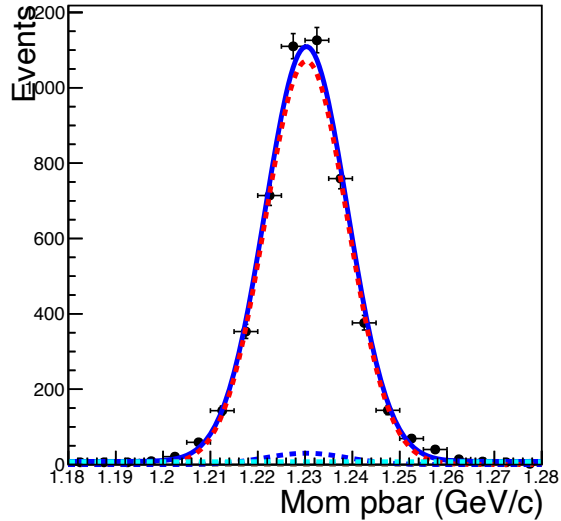
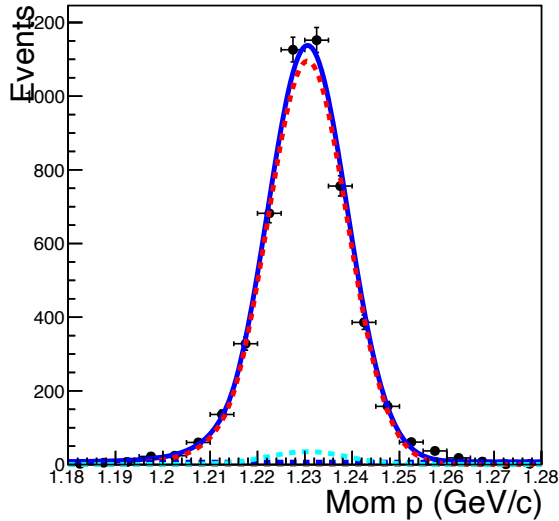
Wolfgang's concern



from M.D.

$e^+e^- \rightarrow p\bar{p}$ with J/psi scan data

New limits and binning

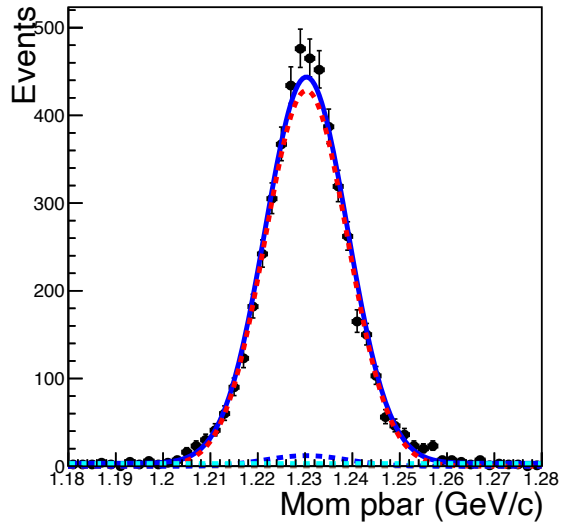
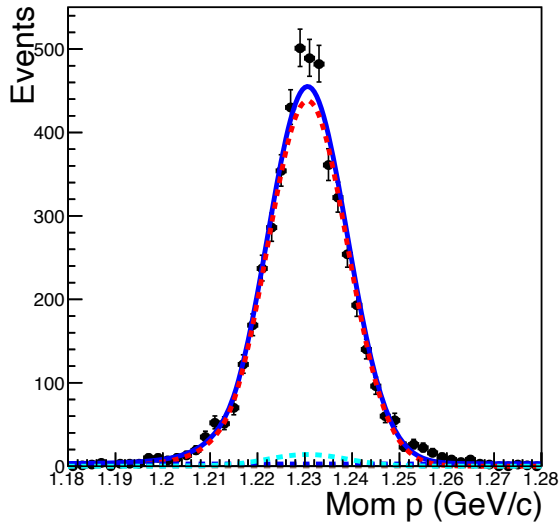


Limits: 1.18 - 1.28 GeV/c

Bin: 20 and 50

Red. $\chi^2 = 8.8-10.5$

Counts: 4683.21



from M.S.

Phase measurements TASK Force

by F. De Mori

1. Group meetings take place regularly once a month
2. Many analyses are on-going:
 - 1 in RC 3 at WG memo review
 - 2 on-going

$\psi(2S) \rightarrow \Sigma^0 \text{anti}\Sigma^0$ by Muzaffar

- $J/\psi \rightarrow \Sigma^0 \text{anti}\Sigma^0$ by Muzaffar (memo review tau-QCD)
- $J/\psi \rightarrow \Sigma^+ \text{anti}\Sigma^-$ by Jaijun (internal review of the memo)
- $\psi(2S) \rightarrow p\bar{p}$ by Yadi (student)

News and Reminder

1. Secondo Workshop Italiano sulla Fisica ad Alta Intensità
 - Stefano Spataro as member of the scientific committee for the BESIII Collaboration
2. Open LHCb Workshop on semileptonic exclusive $b \rightarrow c$ decays
 - <https://agenda.infn.it/event/34419/>
 - **Charm decays @ BESIII**
 - 12-14 April, 2023
 - Giulio Mezzadri
3. SIF - 109° Congresso Nazionale dall'11 al 15 settembre 2023 a Salerno presso il Dipartimento di Fisica dell'Università - <https://www.sif.it/attivita/congresso/109>
 - I riassunti delle comunicazioni e delle relazioni su invito, in italiano o in inglese, dovranno essere inseriti **online** a partire dal **mese di marzo** e fino al **24 aprile 2023** (max1200 caratteri e l'autore dovrà indicare la Sezione pertinente)
4. BESIII Physics and Software Workshop on March 13-16, 2023
5. CIF meeting: Friday @ 3 p.m. every 3 weeks
 - next meeting on March 17