



Institut "Jožef Stefan"



INTERNATIONAL



MASTERCLASSES

hands on particle physics

INTERNATIONAL
MASTERCLASSES
HANDS
ON PARTICLE
PHYSICS



International Particle
Physics Outreach Group

International Masterclasses 2026

17th March 2026
J. Stefan Inst. , Ljubljana, Slovenia

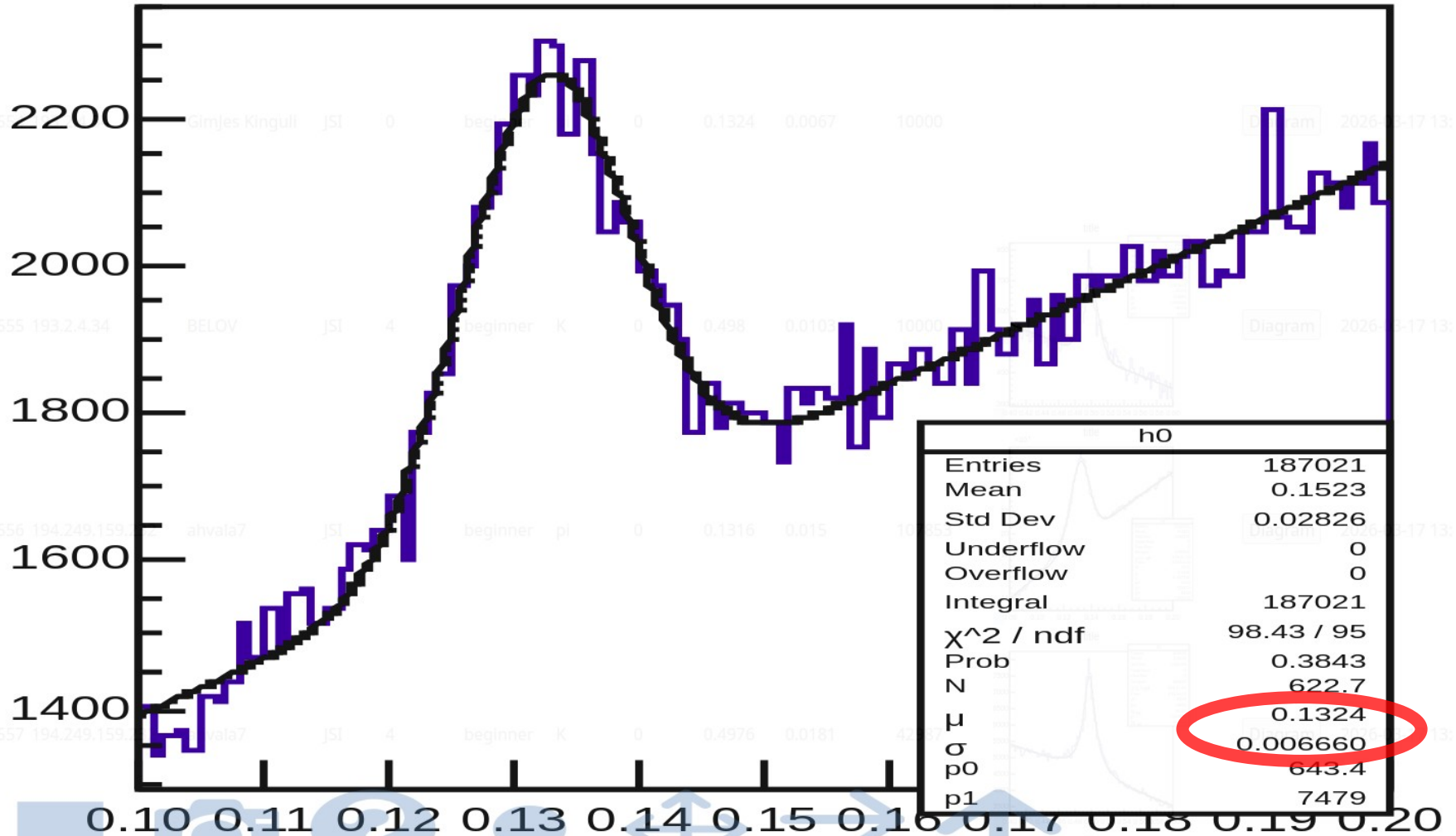


Short report

- Lectures in the morning
(Standard model, Experimental methods in HEP, Medical physics-particle therapy)
- Altogether: ~45 students for Belle II + Atlas + Medical physics
- Belle II Virtual reality (+refreshments) during the break
- 3 parallel workshops after lunchtime
- 10 students were doing Belle II masterclass exercise 1

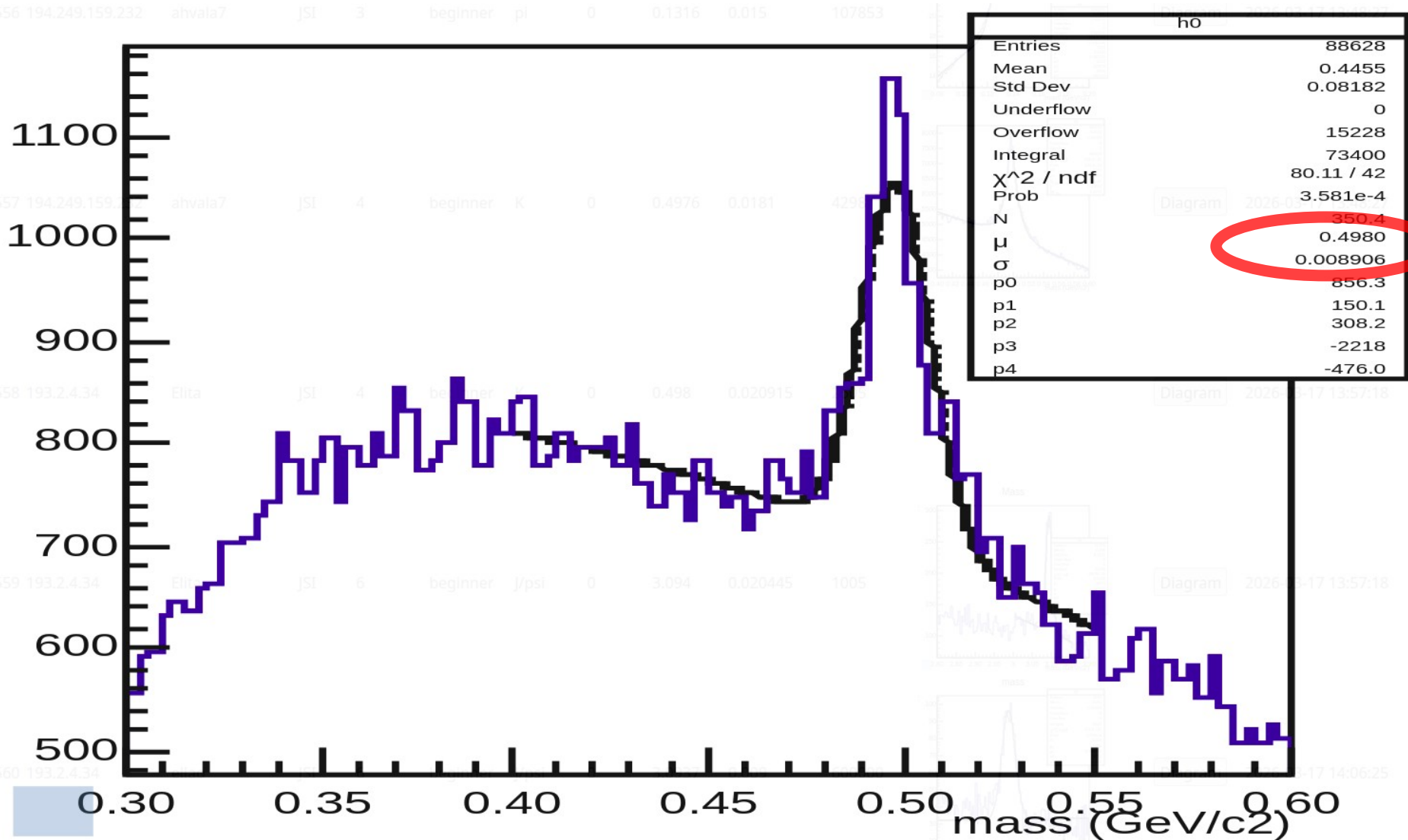
Reconstructed:

$$\pi^0 \rightarrow \gamma\gamma$$

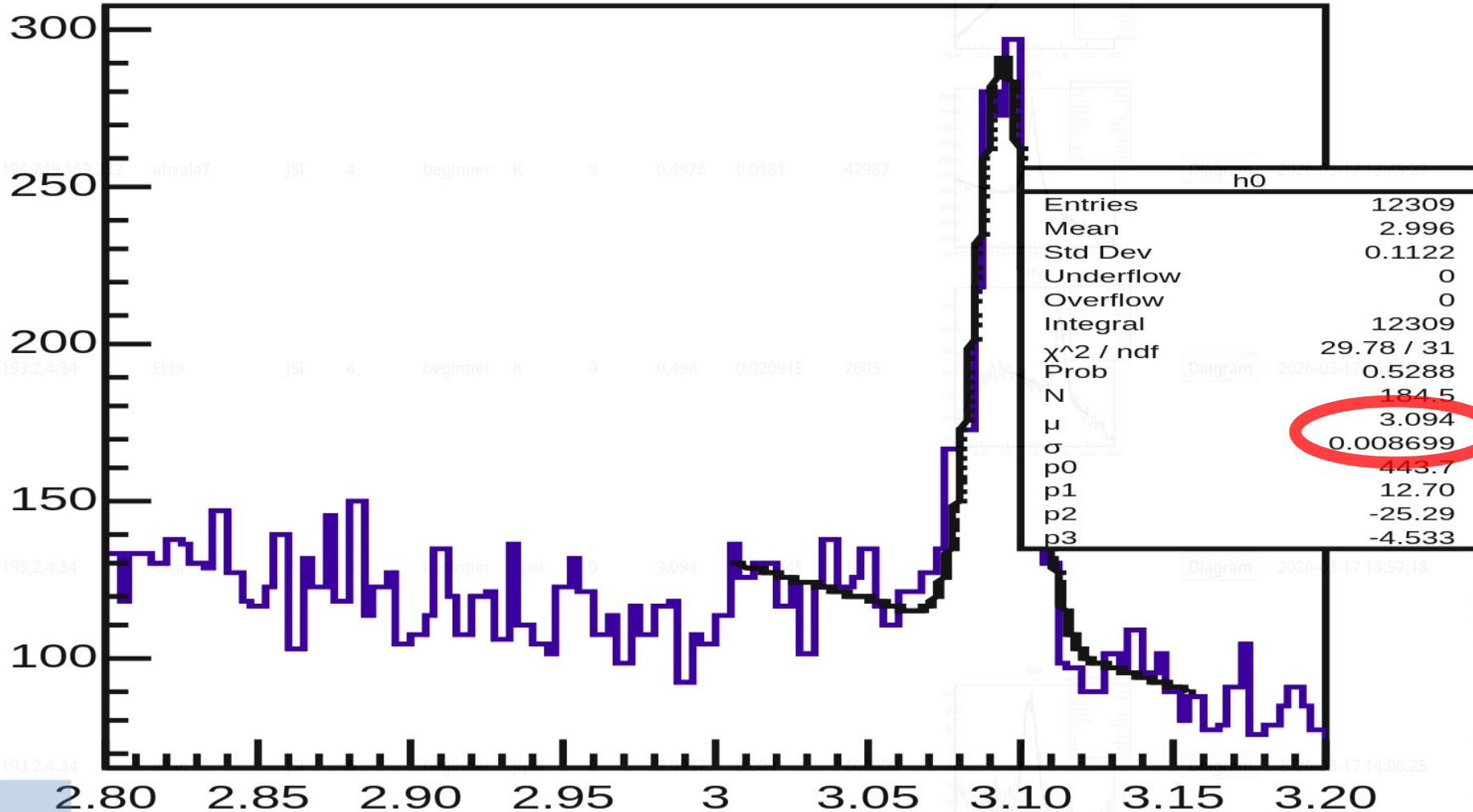


Reconstructed:

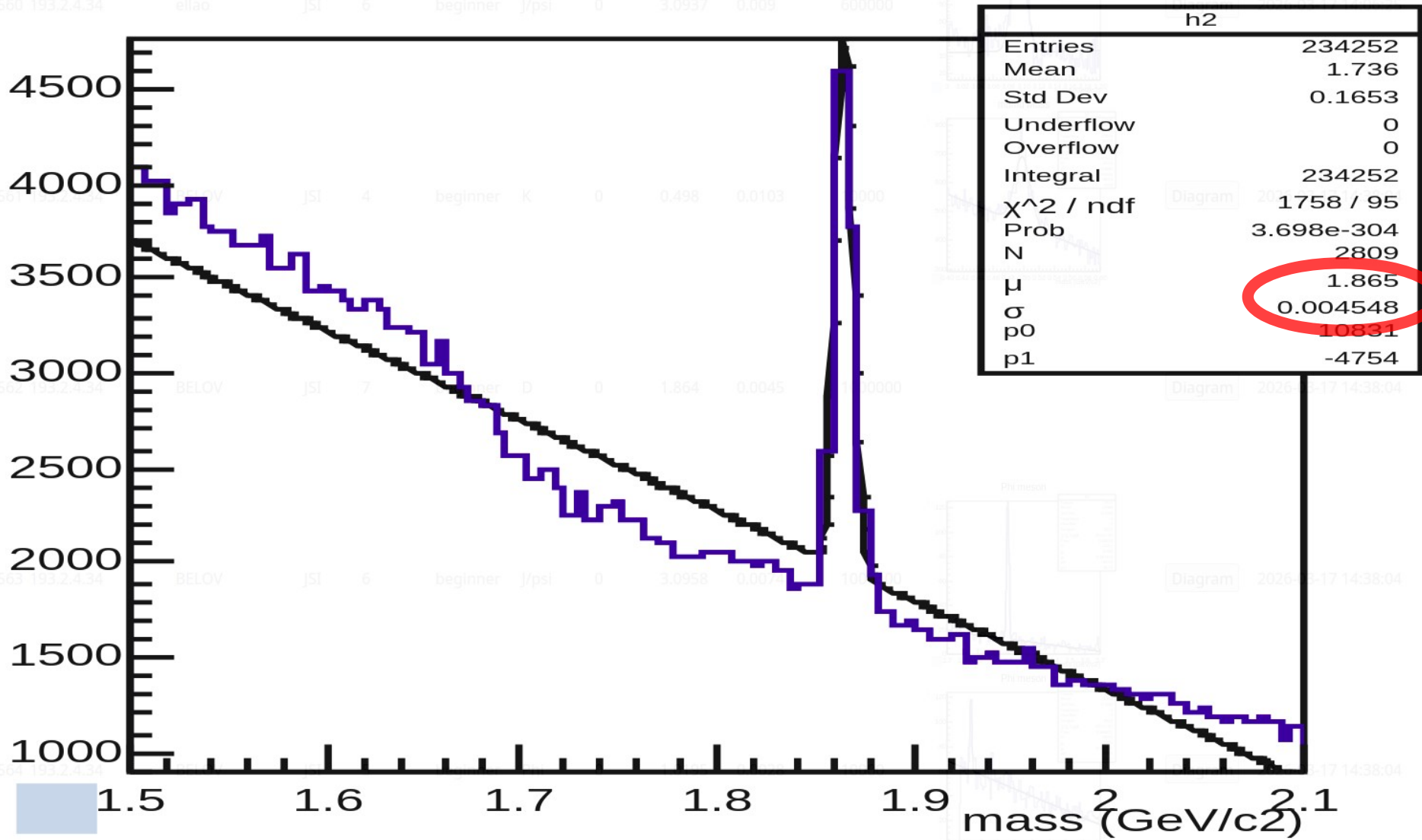
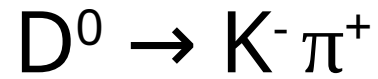
$$K_S^0 \rightarrow \pi^+\pi^-$$



Reconstructed: $J/\psi \rightarrow e^+e^-$



Reconstructed:



Reconstructed: $B^+, B^- \rightarrow J/\psi K^+, K^-$

