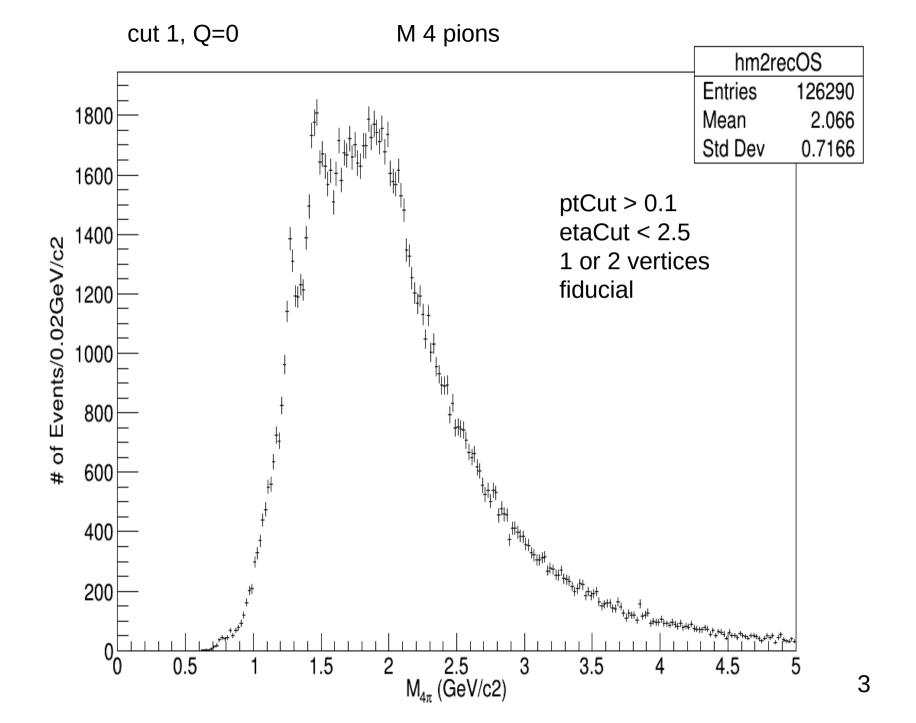
pXp analysis

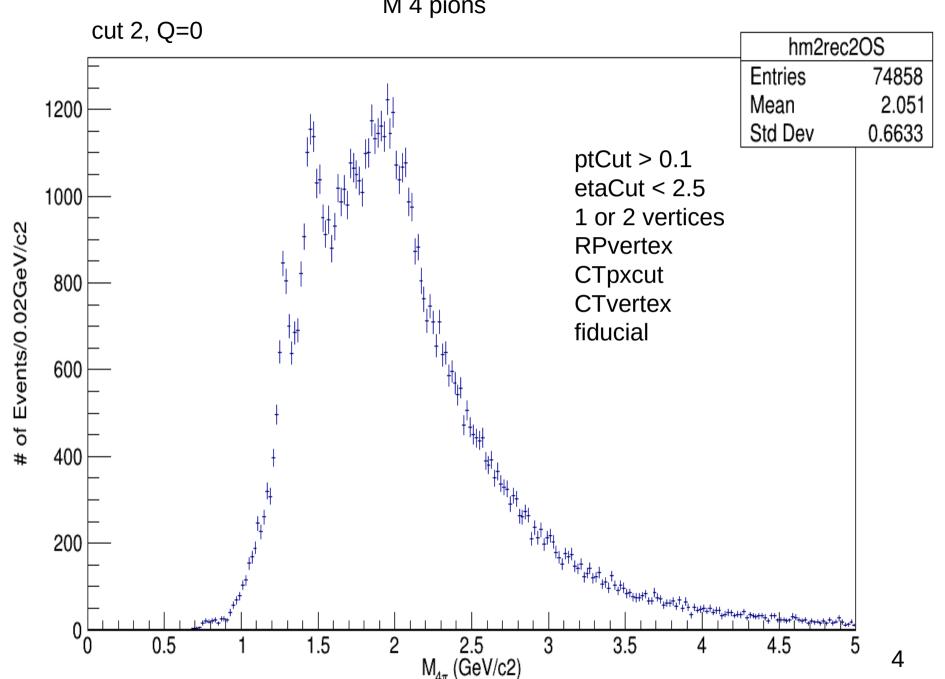
Luiz Emediato (Sao Paulo)
Tom McDowell, Cory Rude, Jane Nachtman (Iowa)
Mike Albrow (FNAL)

Overview

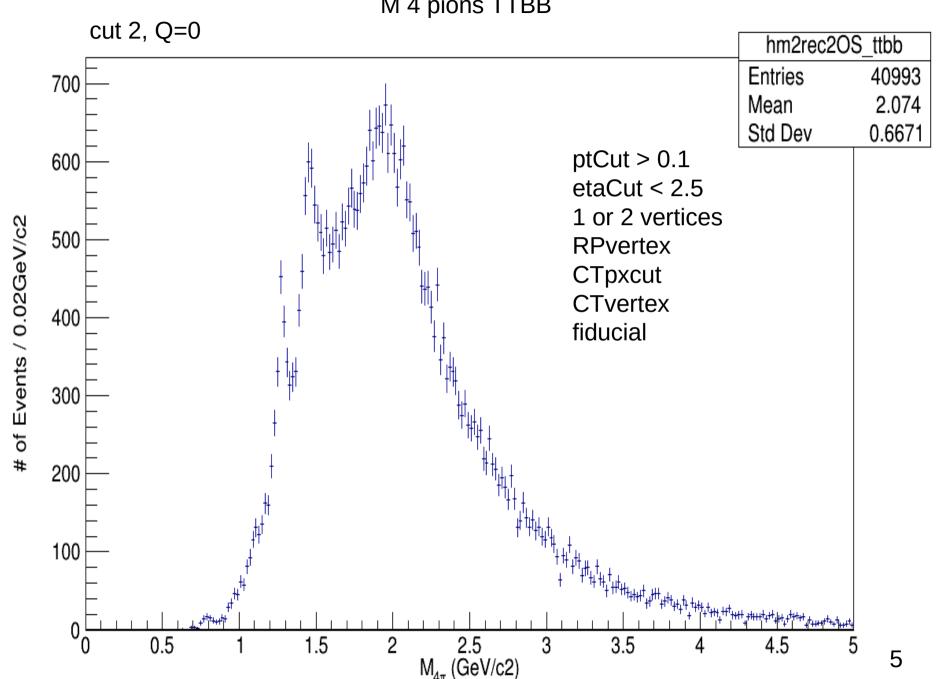
- 4 pions mass distributions
- 4-track 2015 sample



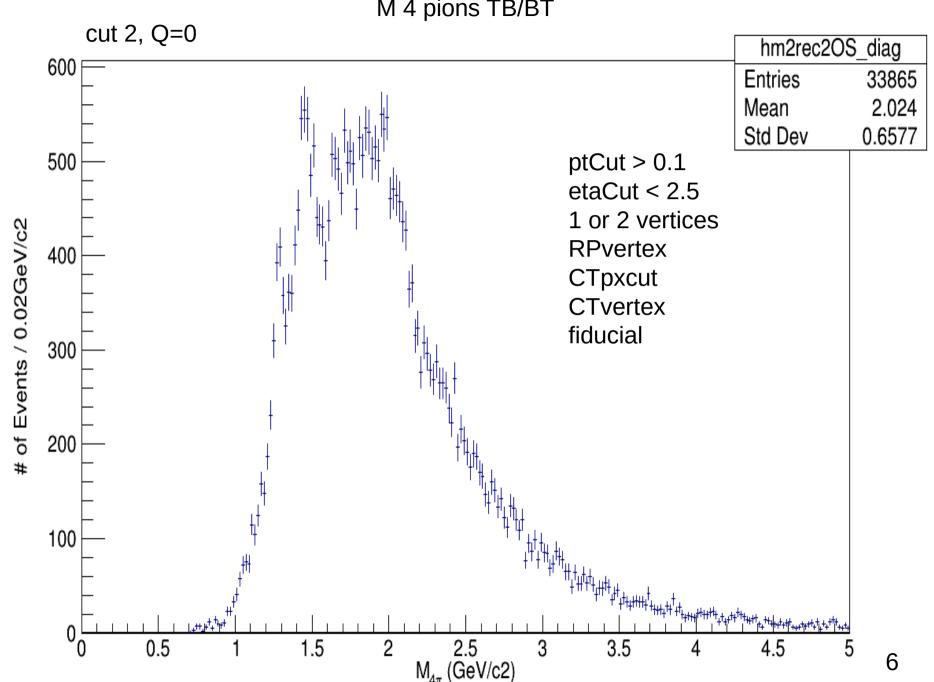
M 4 pions



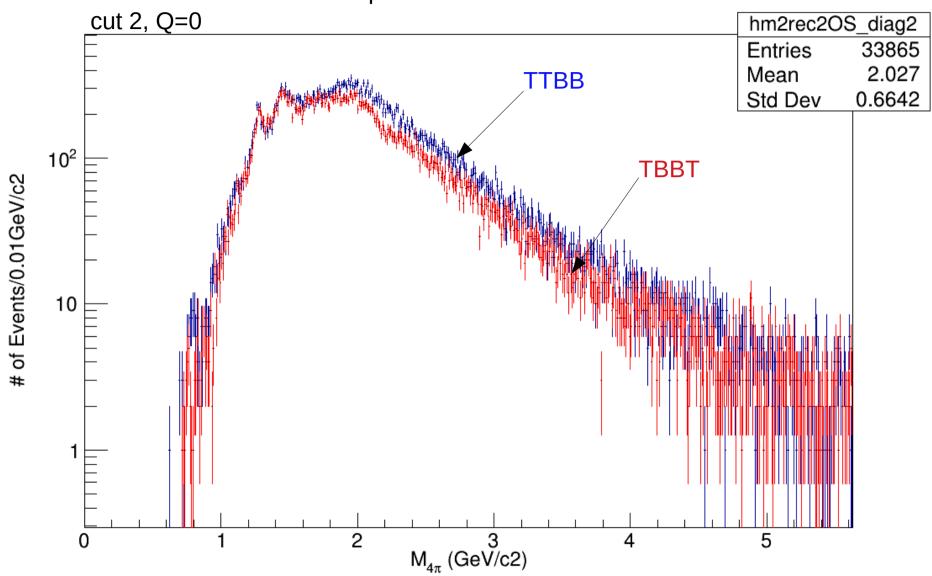
M 4 pions TTBB

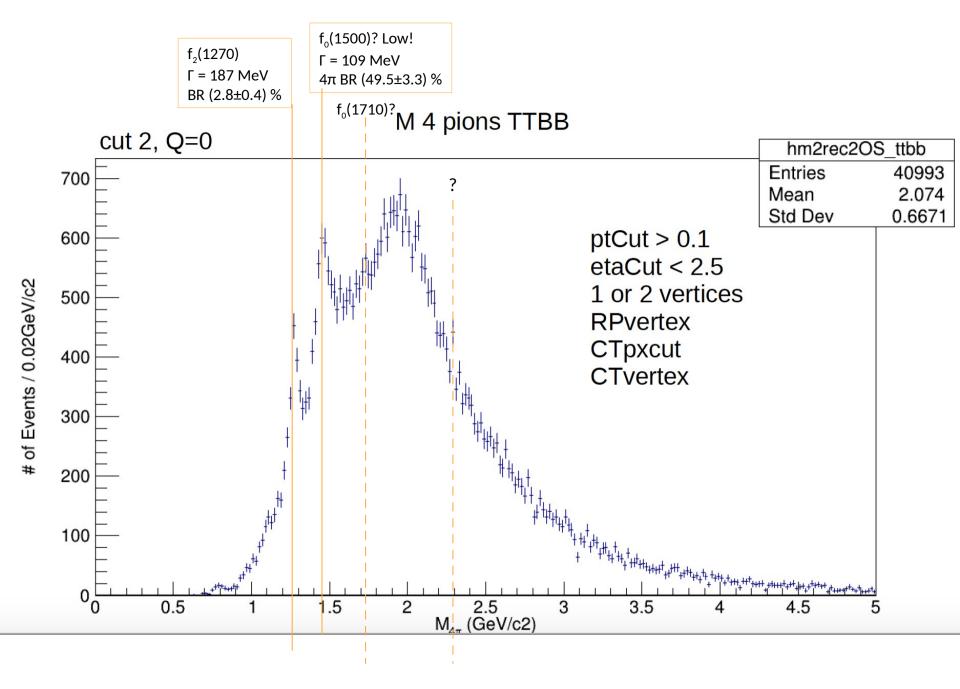


M 4 pions TB/BT

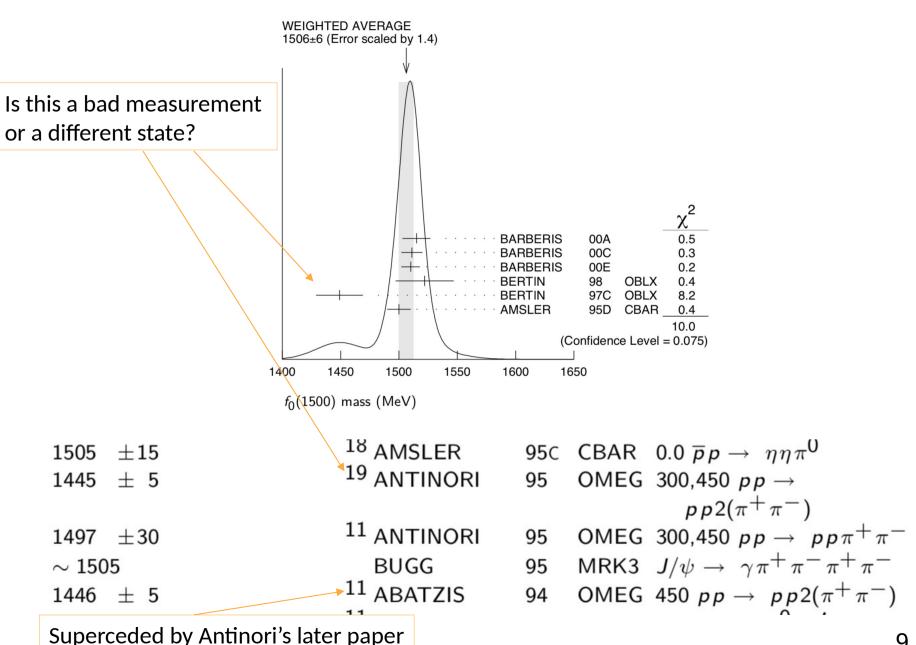


M 4 pions TTBB + TBBT





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A further study of the centrally produced $\pi^+\pi^-$ and $\pi^+\pi^-\pi^+\pi^-$ channels in pp interactions at 300 and 450 GeV/c

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Abstract

An analysis of the centrally produced $\pi^+\pi^-$ and $\pi^+\pi^-\pi^+\pi^-$ mass spectra from the WA76 and WA91 experiments is presented, which shows that in the $\pi^+\pi^-\pi^+\pi^-$ channel there are two new states, the $f_0(1450)$ and $f_2(1900)$. There is another new state in the $\pi^+\pi^-$ channel with $M=1497\pm30$ MeV and $T=199\pm30$ MeV, which is compatible with the $f_0(1520)$ observed by the Crystal Barrel experiment. Another interpretation is discussed, where the 1450 and 1497 GeV structures are explained as being due to an interference effect between the $f_0(1365)$ and $f_0(1520)$.

for the simulation: **GRANIITTI** is working fine on my Fedora 29

Thanks for your kind help and attention!