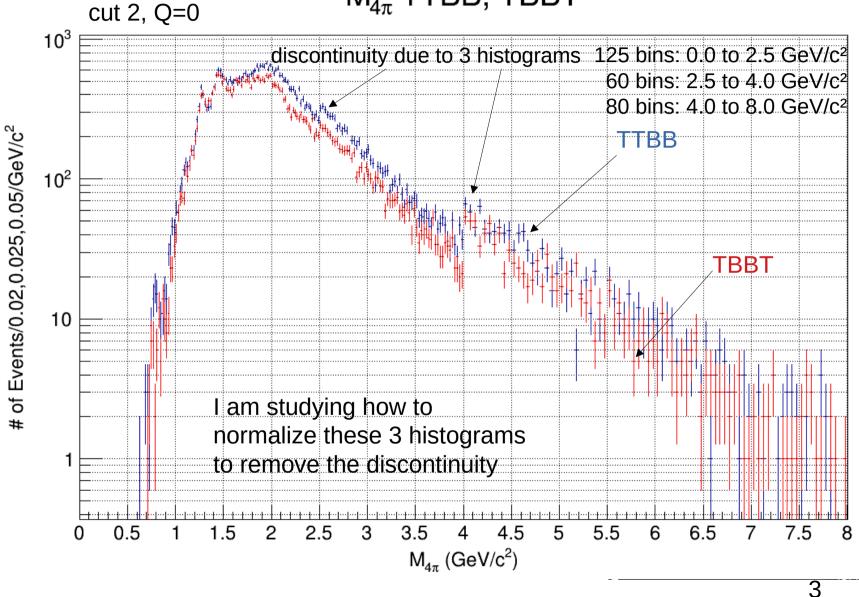
pXp analysis

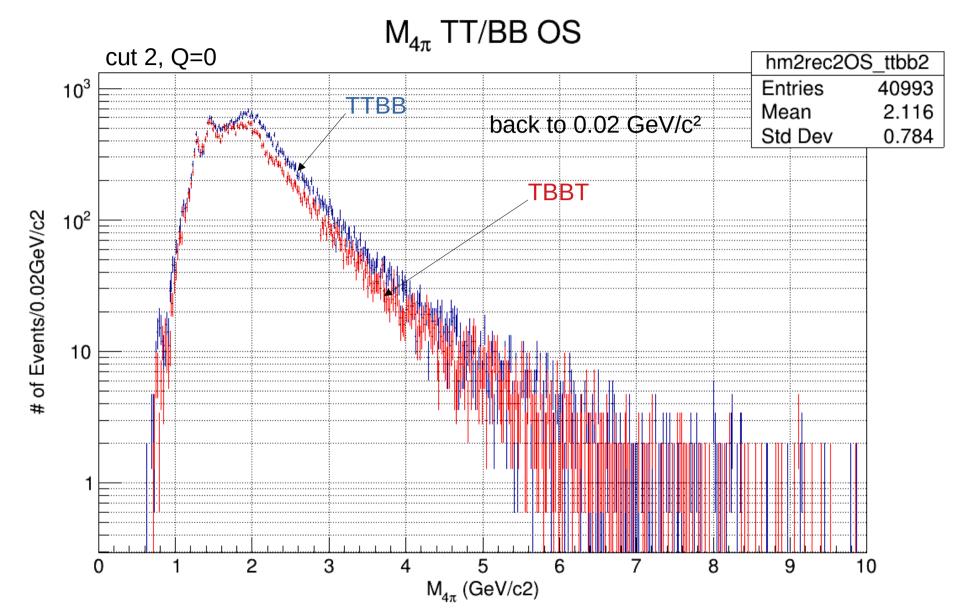
Luiz Emediato (Sao Paulo)
Tom McDowell, Cory Rude, Jane Nachtman (Iowa)
Mike Albrow (FNAL)

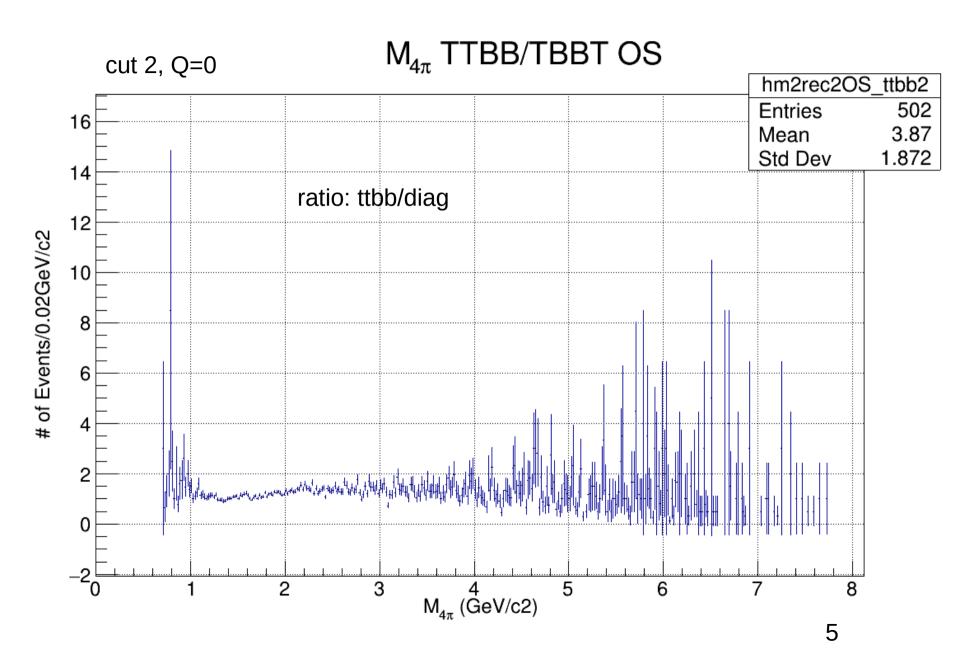
Overview

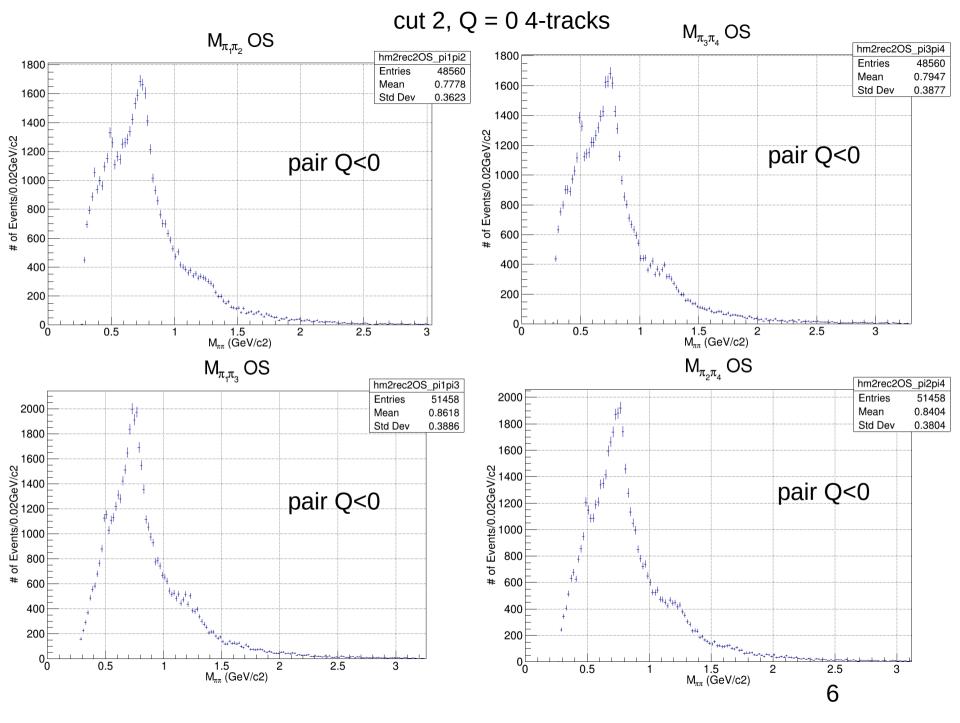
- 4 pions mass distributions pion-pair mass distributions
- 4-track 2015 sample

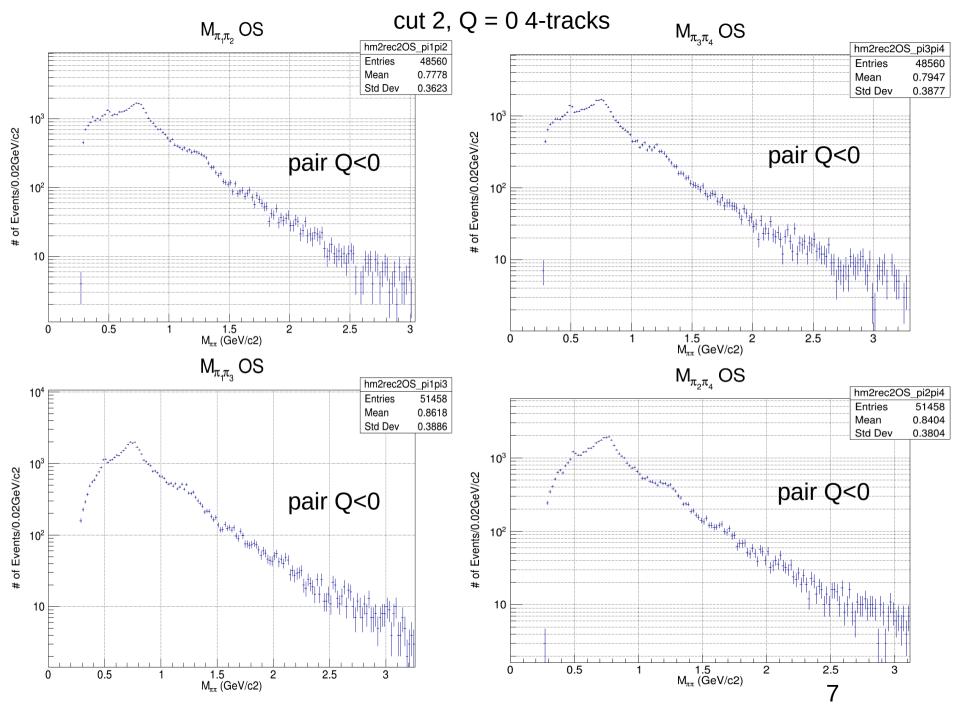








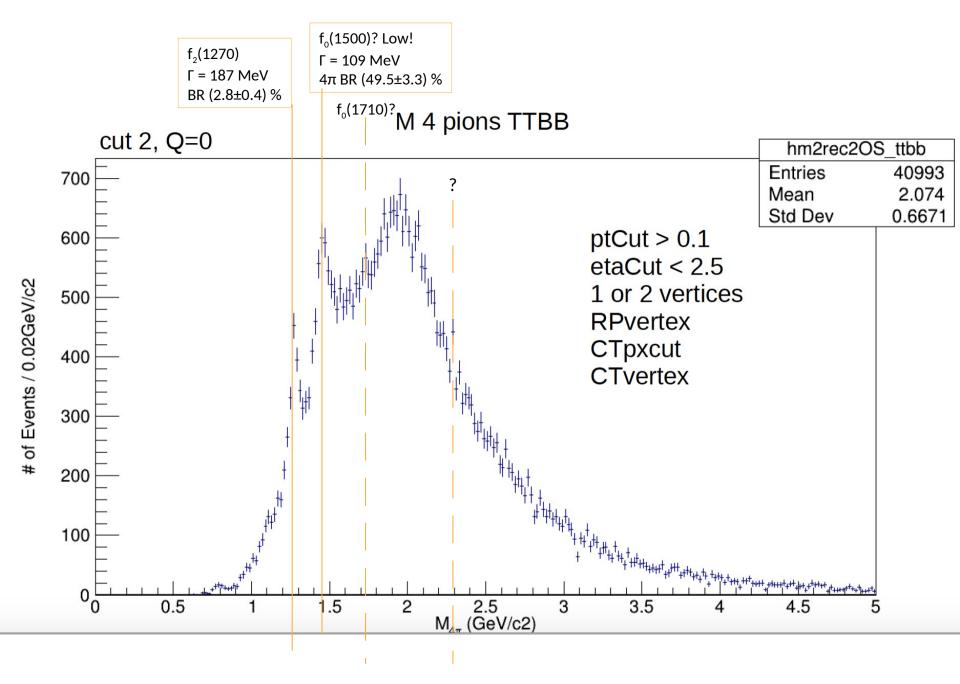




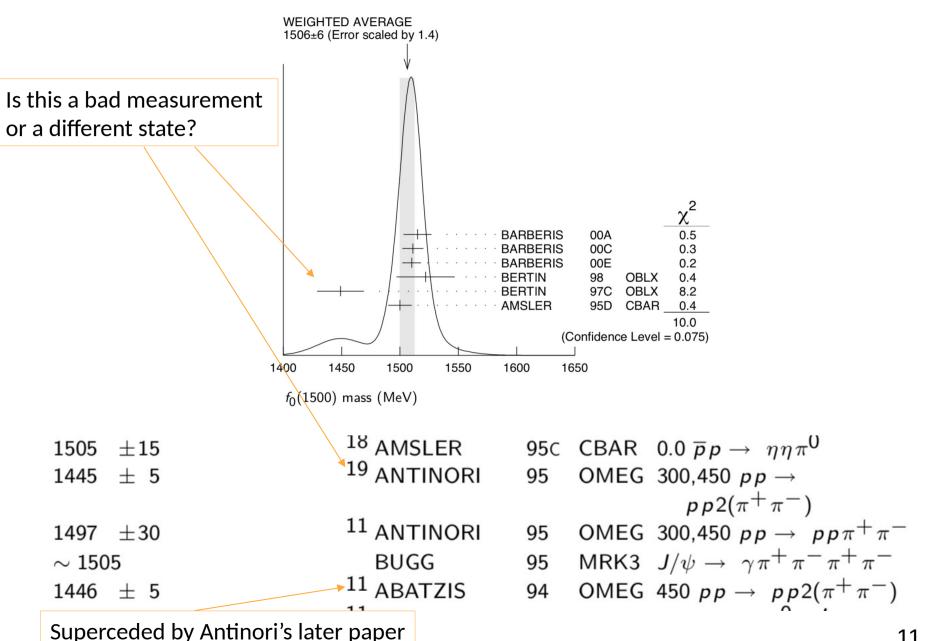
to do:

- 1. fits
- 2. t1 and t2
- 3. slices of delta_phi
- 4. $pt = sqrt(px^2+py^2)$

from here I will keep Mike's slides



From PDG 2018 big book on f0(1500)



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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 $T = 199 \pm 30$ 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 $f_0(1520)$.

Thanks for your kind help and attention!