

# Калибровка масс в TOF400

## Slewing correction of the TOF400 by $\pi$ +(-), 1 GeV/c < p < 2 GeV/c.







Final result of the correction on proton band. Committed 25.03.2024

Run 7892-7905. ~ 120 Mevents.





## Detailed analysis and problems of mass reconstruction.

m2 versus momentum







Maybe the reconstructed time depends on the stability of the starting detector BC2?

I don't see any dependency.

Solution: We can make the time calibration for each run.

## Dependency of the mass reconstruction vs momentum.





Dependency of the mass reconstruction vs momentum.



#### Dependency of the mass reconstruction vs momentum for MC.



Dependency of the mass reconstruction vs momentum.



We need to make a decision on what momentum to use!