# Enge Fitting

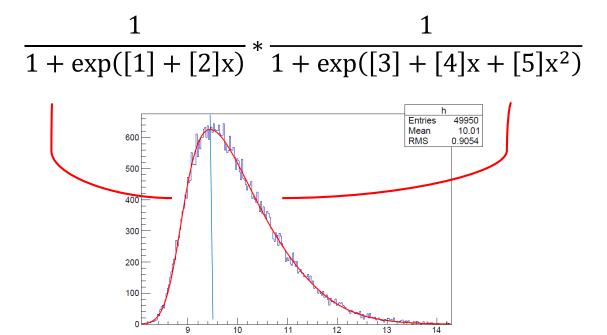
04.14.14

## Talking Points

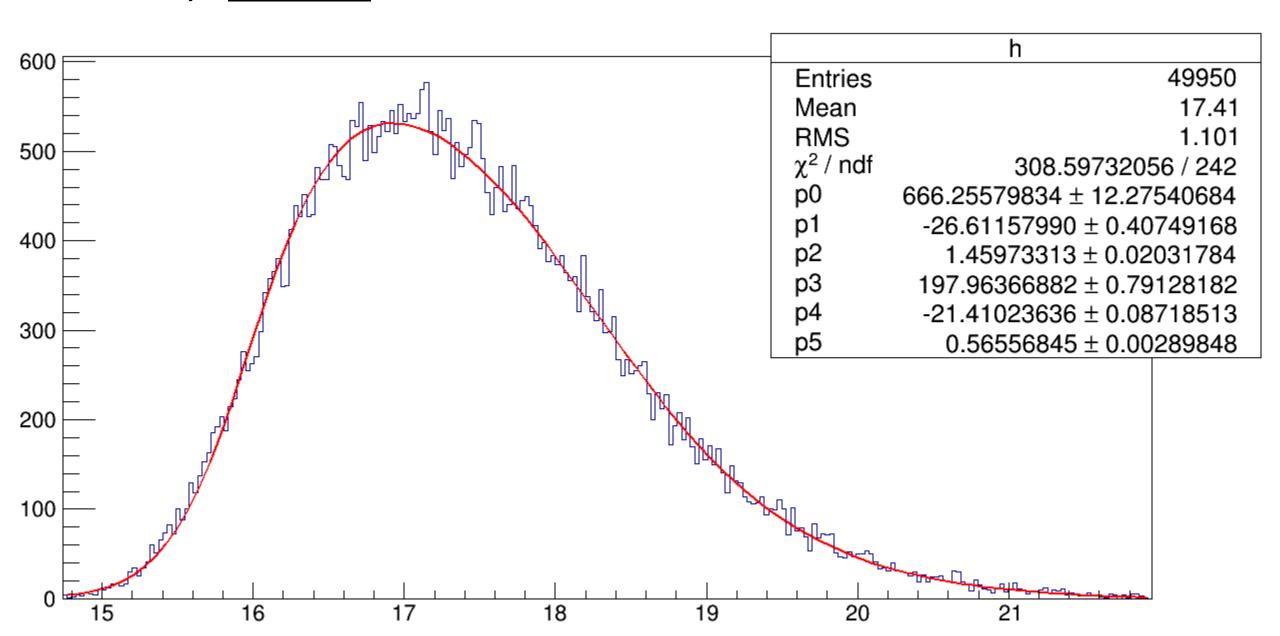
- Overview
- Cutoff Percentage
- Thin Absorbers
- Reproducibility (Enge generator)

# Parameter Fitting: How many is enough?

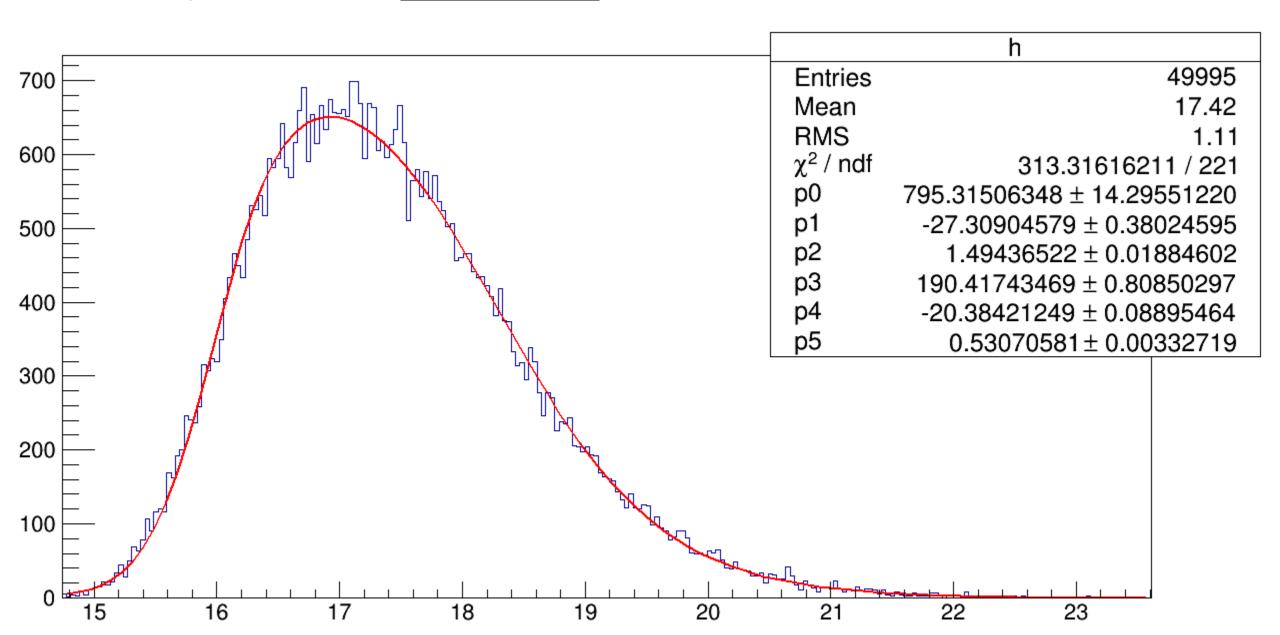
- Function is split into two tails, as seen below
- 5 are minimally needed to take care of long right-hand tail
- More parameters make for a slightly better fit, but (even small ones) make the fit unpredictable



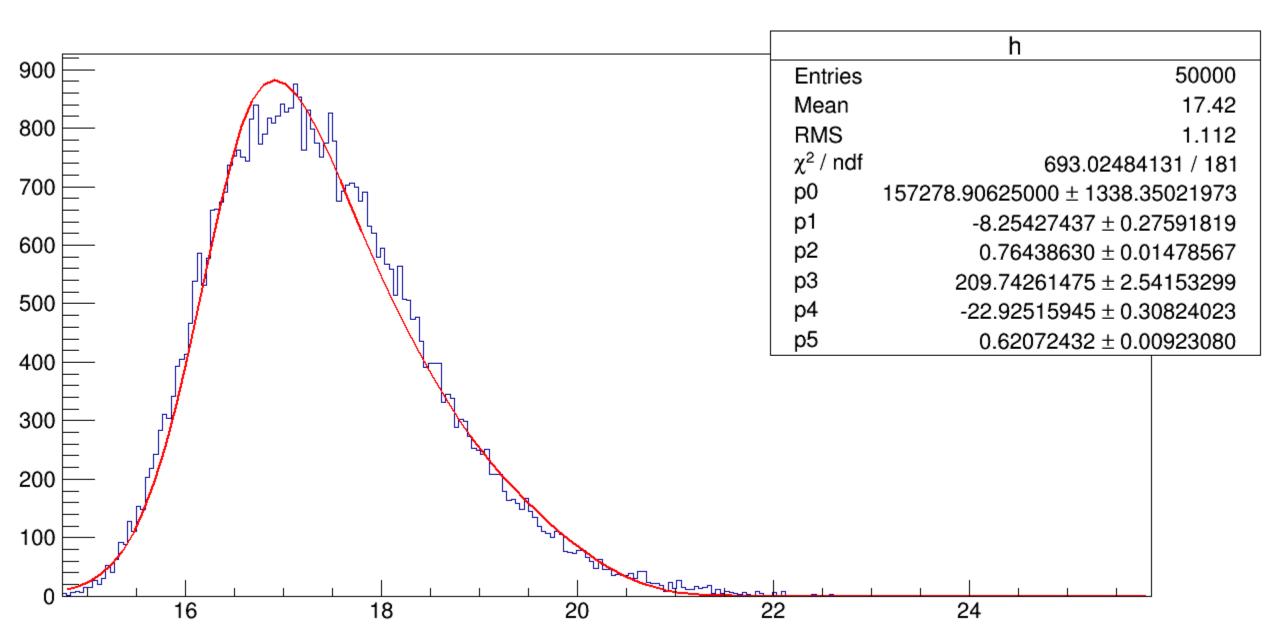
## Keep 99.9%, 99.99%, or 100%?



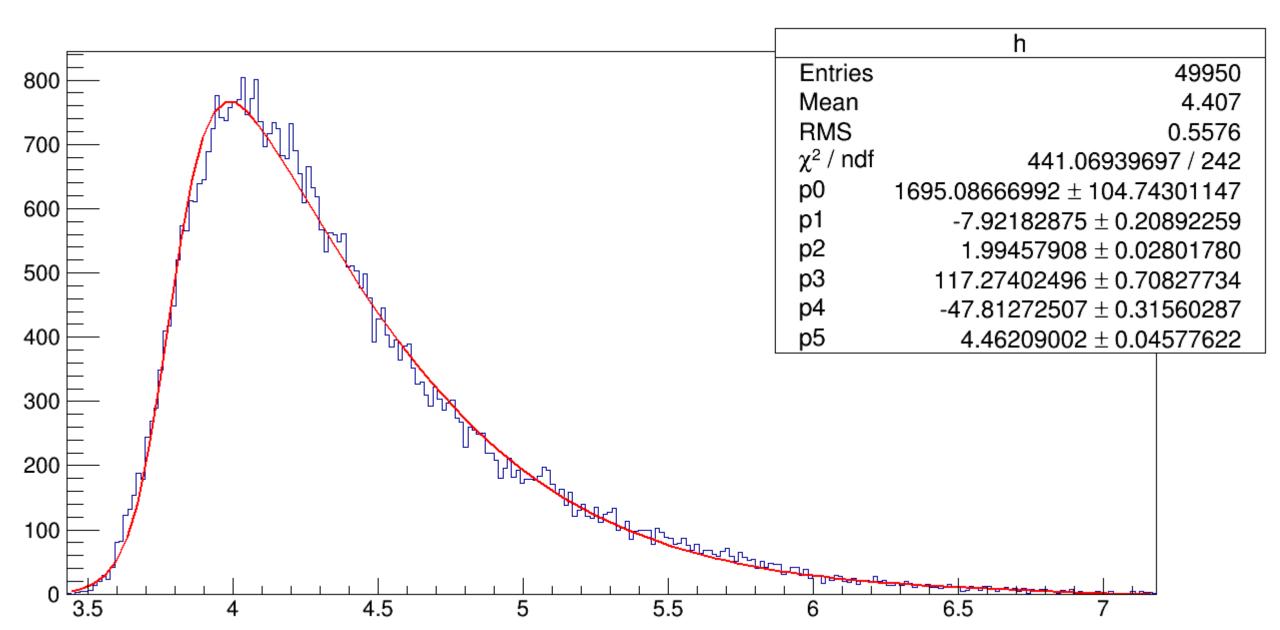
#### Keep 99.9%, **99.99%**, or 100%?



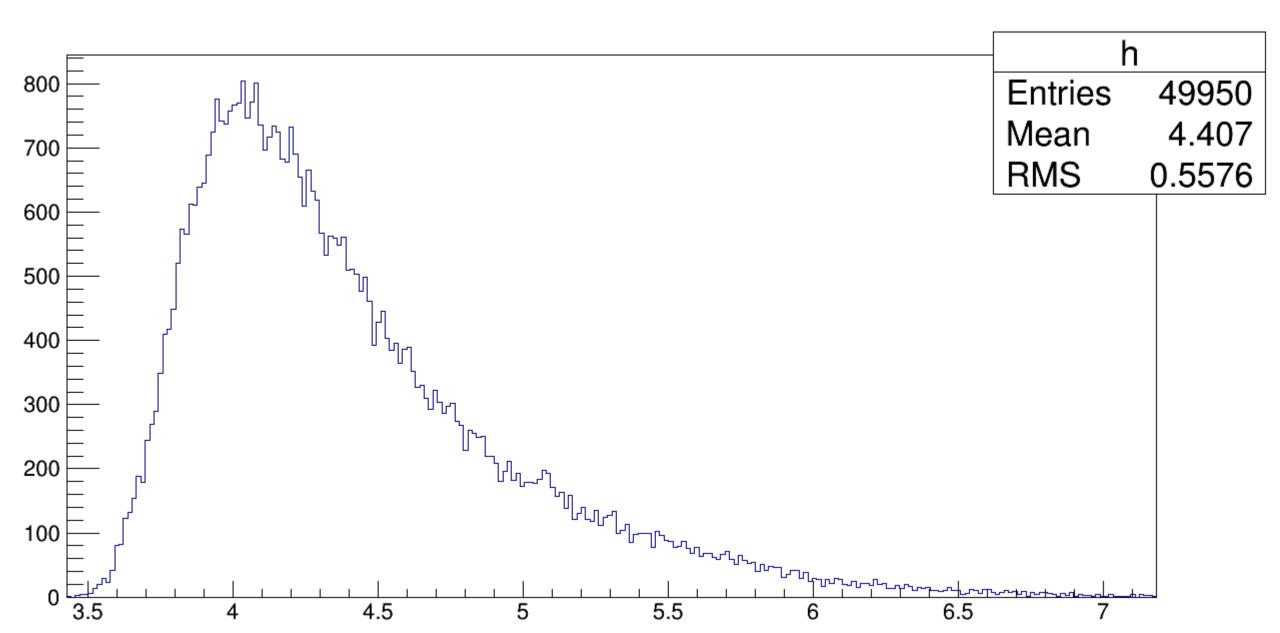
# Keep 99.9%, 99.99%, or 100%?



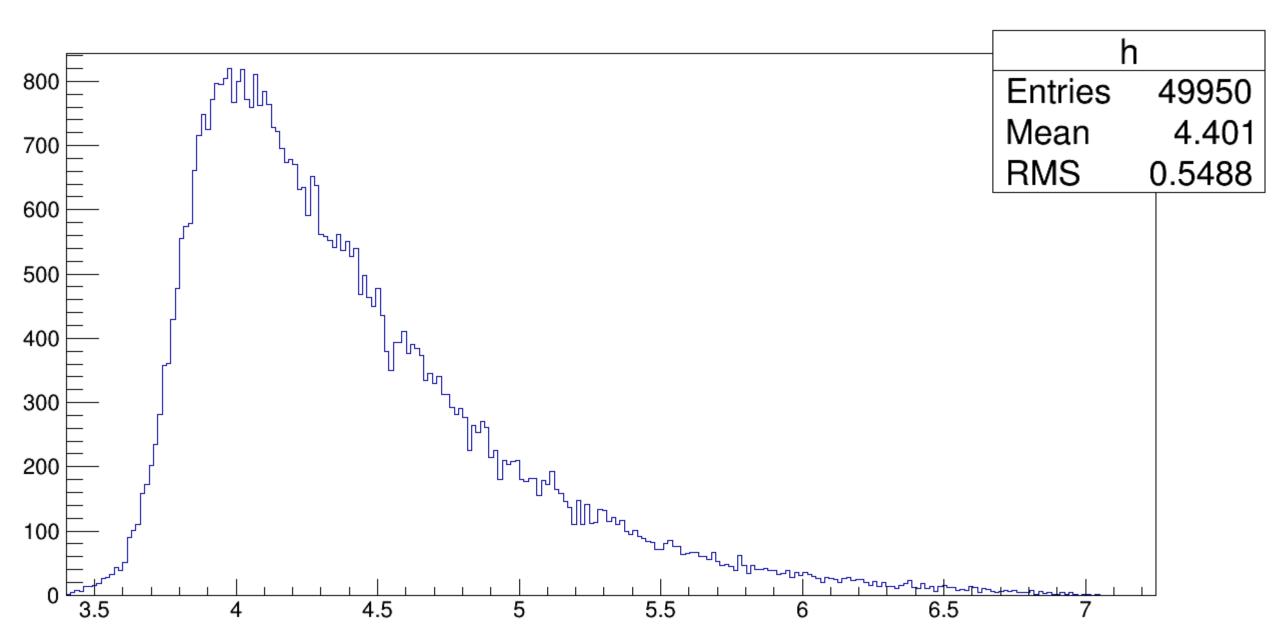
#### "Thin" Absorbers: 5 MeV/c Momentum Loss



# Reproducibility: ICOOL



# Reproducibility: COSY



# Reproducibility: ICOOL (Variation)

