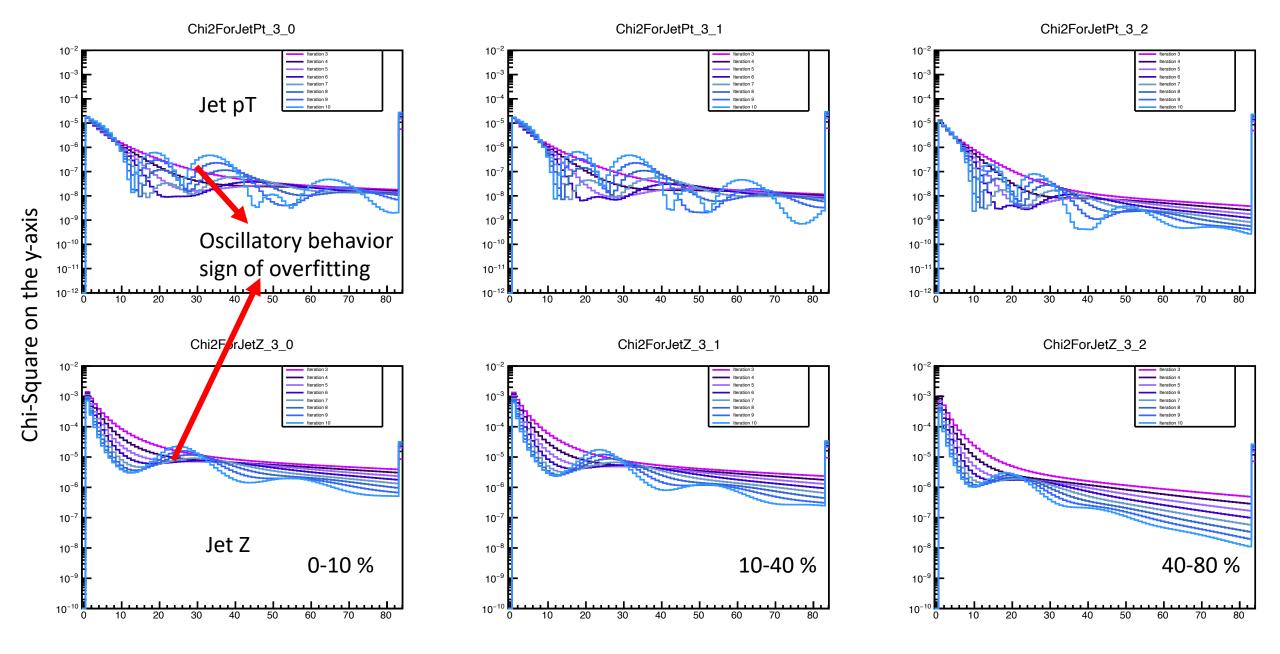
Superiteration for unfolding

(Following J/Psi Analysis)

Flowchart:

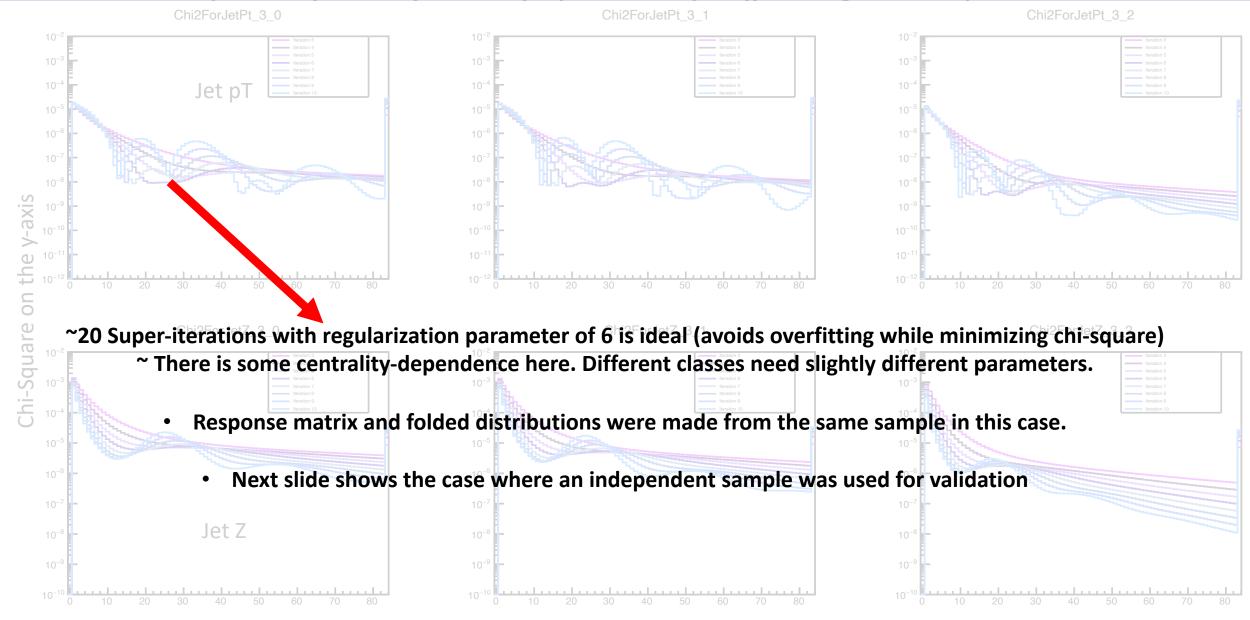
- Start with a flat prior in fragmentation function (Z)
- Unfold the 2D jet pT vs Z distribution with flat prior assumption
- Use the unfolded Z distribution as a prior in next step x repeat n times ----> Calling this "SUPERITERATION"
- Terminate at a reasonable chi-square value

Self-Closure Chi-square as a function of number of superiterations for different regularization parameters



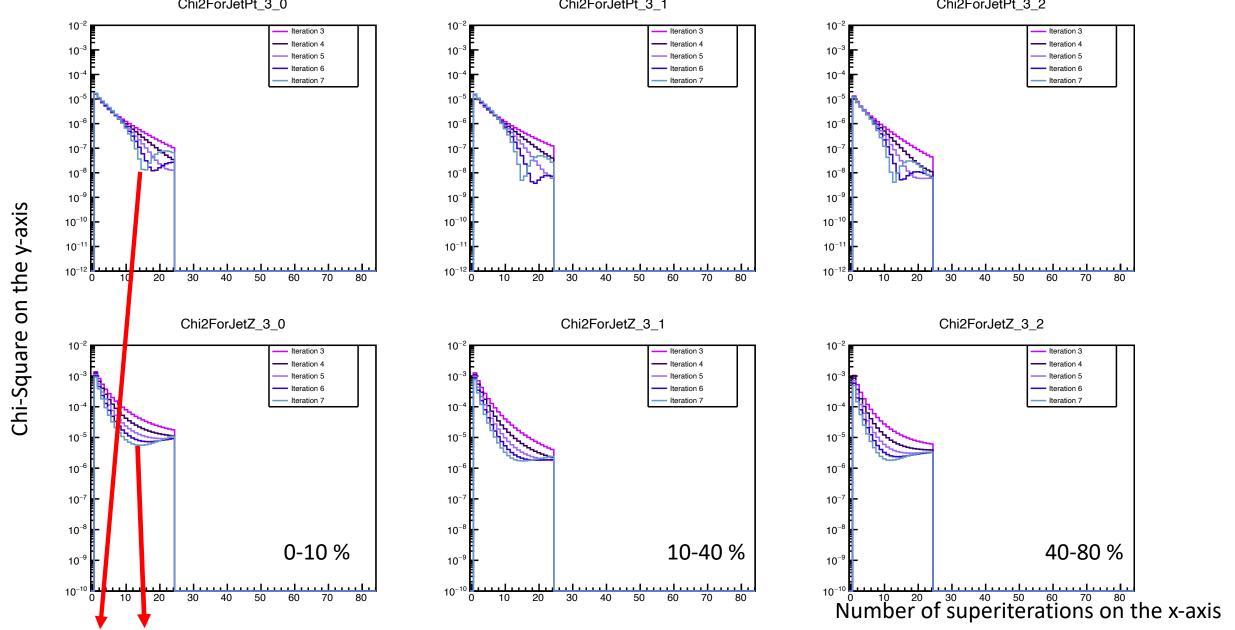
Number of superiterations on the x-axis

Chi-square as a function of number of superiterations for different regularization parameters



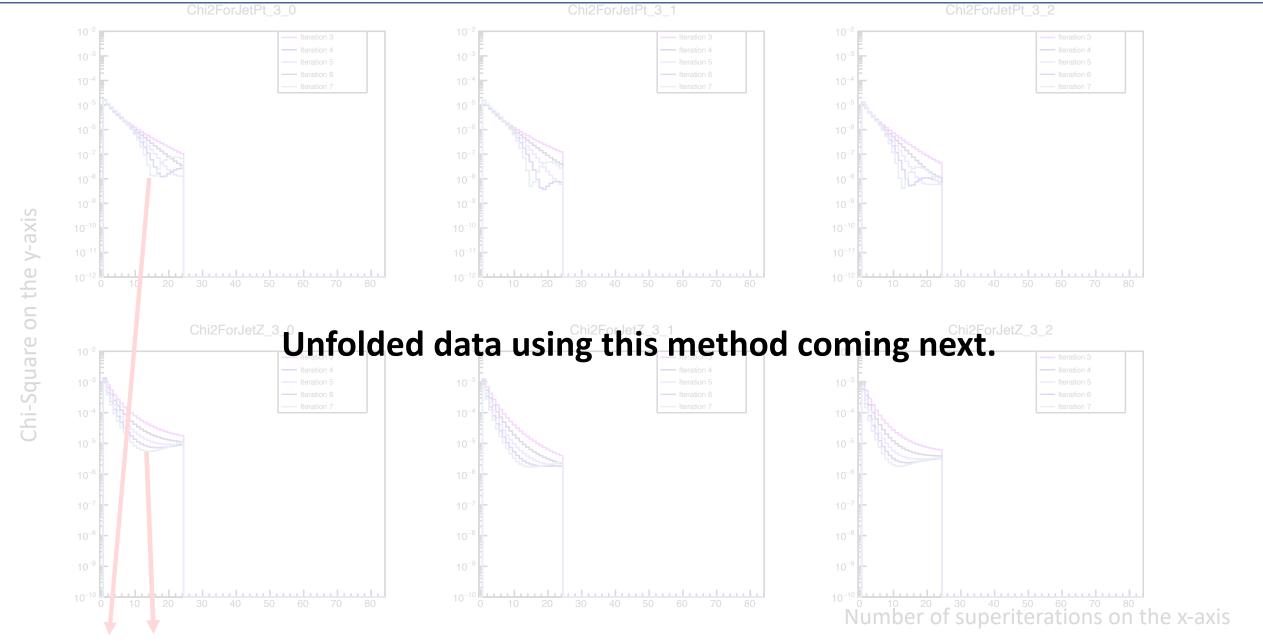
Number of superiterations on the x-axis





10-15 Super-iterations with regularization parameter of 6 is ideal (avoids overfitting while minimizing chi-square)

Chi-square as a function of number of superiterations for different regularization parameters



10-15 Super-iterations with regularization parameter of 6 is ideal (avoids overfitting while minimizing chi-squarking 6, 22