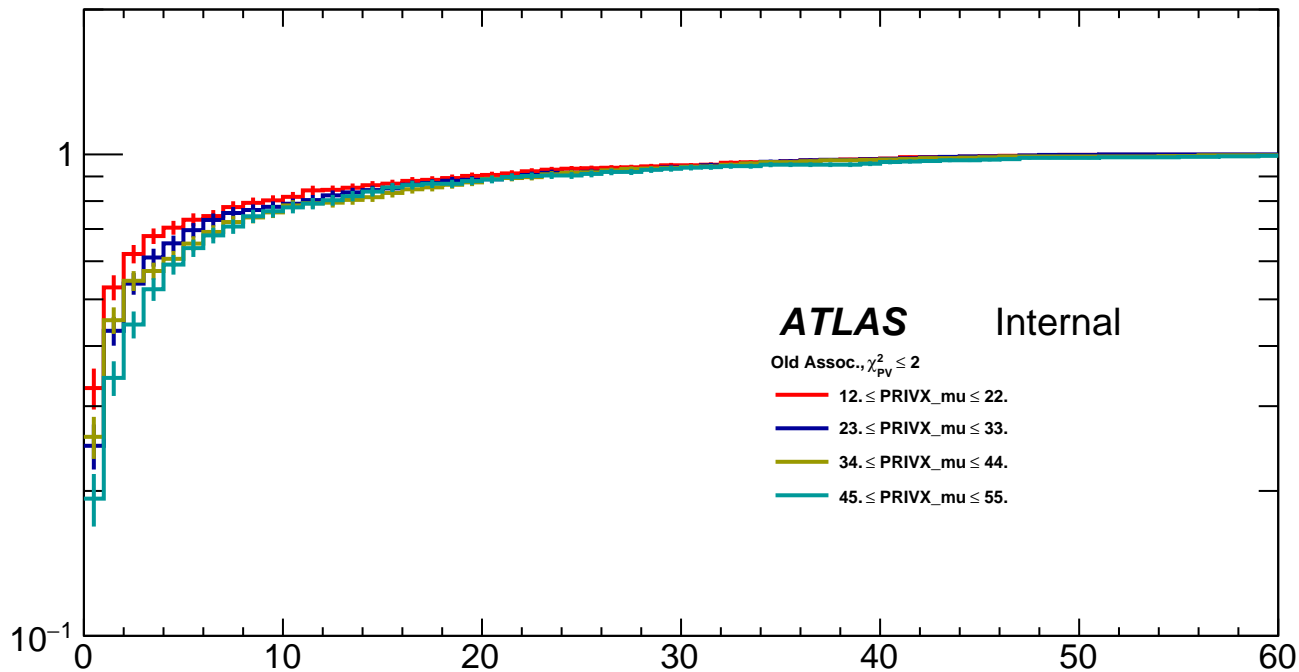


Efficiency

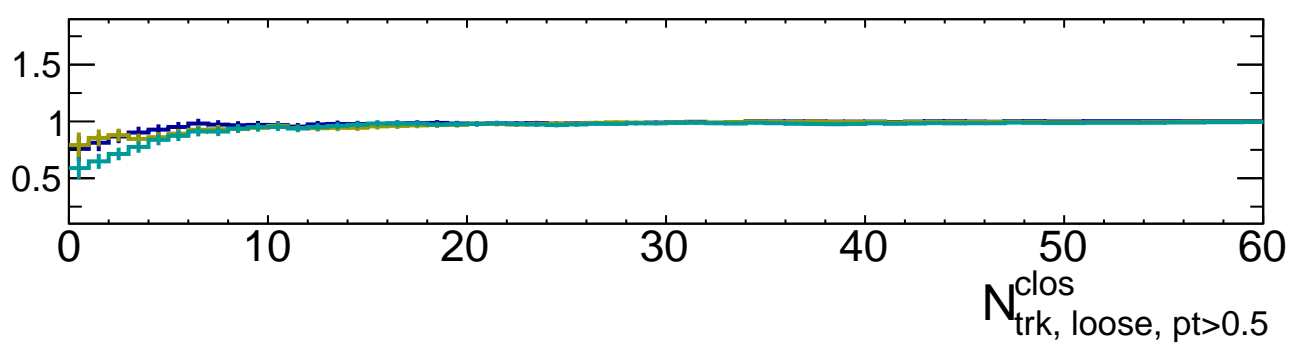


**ATLAS** Internal

Old Assoc.,  $\chi^2_{\text{pv}} \leq 2$

- $12. \leq \text{PRIVX\_mu} \leq 22.$
- $23. \leq \text{PRIVX\_mu} \leq 33.$
- $34. \leq \text{PRIVX\_mu} \leq 44.$
- $45. \leq \text{PRIVX\_mu} \leq 55.$

Ratio to Low Pileup



$N_{\text{trk, loose, pt}>0.5}^{\text{clos}}$