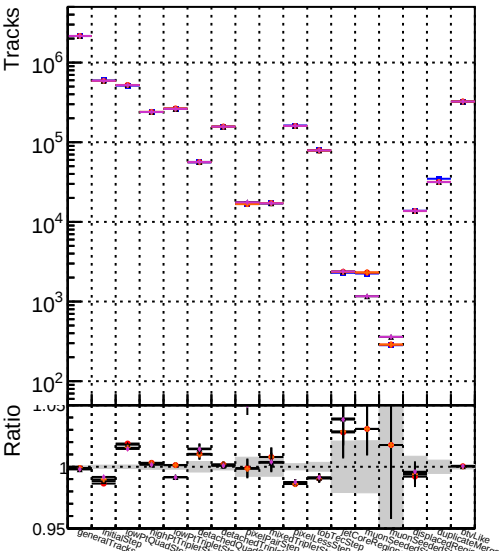
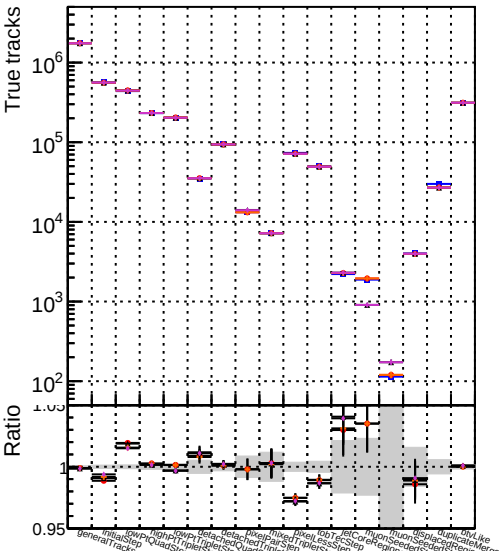


Number of tracks vs collection



Number of true tracks vs collection



Number

- DOM CKF-test 1000evt
- DOM CKEREFit-test 1000evt
- DOM mkFitREFit-test 1000evt
- DOM NANTESTCKF 1000evt
- DOM NANTEST 1000evt

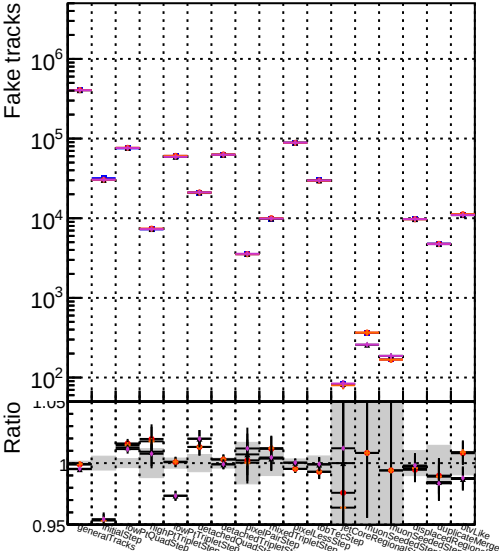


Figure 1 is a plot showing the ratio of duplicate tracks to total tracks for various particle physics processes. The y-axis is logarithmic, ranging from 0.95 to 10^5 . The x-axis lists 20 processes. Data points are shown with error bars, and shaded regions indicate theoretical predictions.

Process	Ratio (approx.)	Theoretical Prediction (approx.)
Neutral pion	4×10^4	0.95
Neutral kaon	3×10^4	0.95
Neutral eta	3×10^4	0.95
Neutral rho	3×10^4	0.95
Neutral omega	3×10^4	0.95
Neutral phi	3×10^4	0.95
Neutral J/psi	3×10^4	0.95
Neutral eta'	3×10^4	0.95
Neutral eta(2590)	3×10^4	0.95
Neutral eta(3596)	3×10^4	0.95
Neutral eta(4180)	3×10^4	0.95
Neutral eta(4370)	3×10^4	0.95
Neutral eta(4415)	3×10^4	0.95
Neutral eta(4760)	3×10^4	0.95
Neutral eta(5040)	3×10^4	0.95
Neutral eta(5582)	3×10^4	0.95
Neutral eta(5965)	3×10^4	0.95
Neutral eta(6040)	3×10^4	0.95
Neutral eta(6580)	3×10^4	0.95
Neutral eta(7570)	3×10^4	0.95
Neutral eta(8500)	3×10^4	0.95

Number of pileup tracks vs collection

