

Status Report

2015. 11. 11

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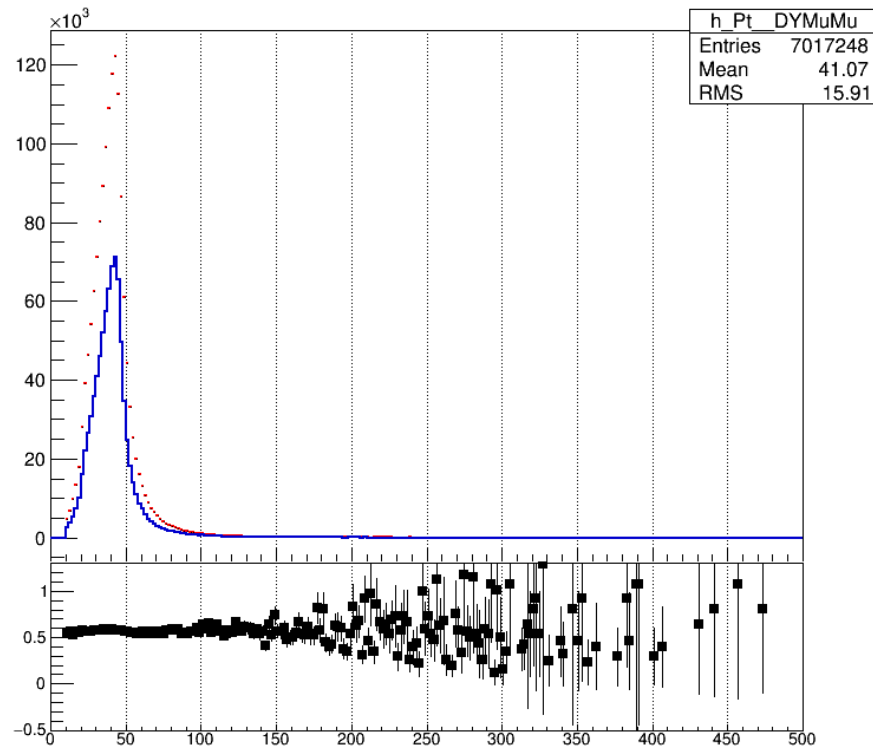
Action Item

- Muon plots without each cut
 - Include Ratio plot
 - M60to120

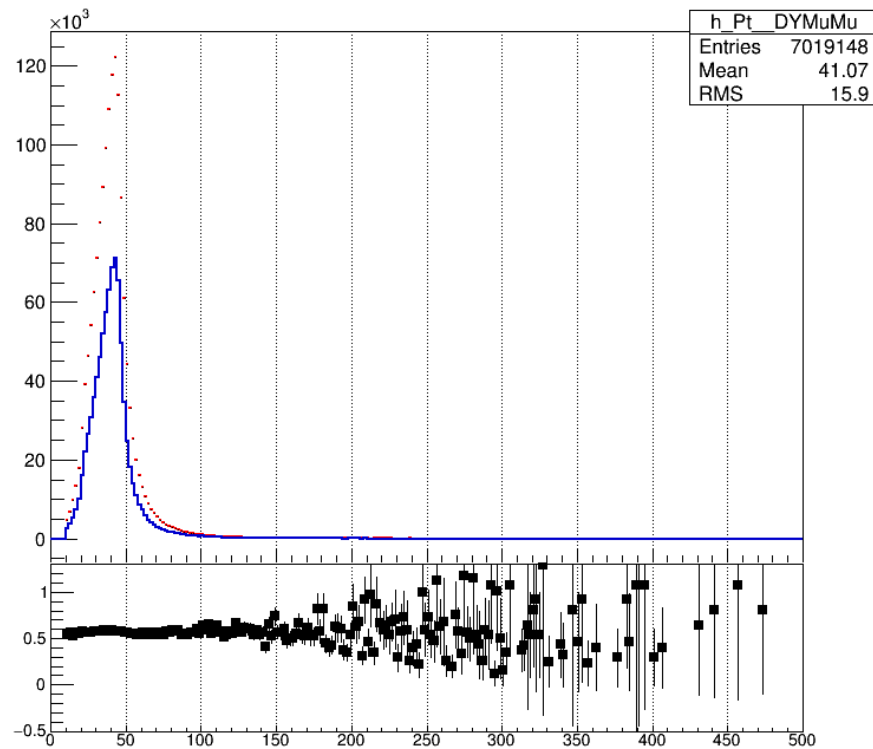
Exclude Each Cut

isGLB == 1	Reconstructed as a Global Muon
isPF == 1	Particle Flow Muon the exclusive effect of this requirement is very small
chi2dof < 10	χ^2/ndof of the global-muon track fit < 10
muonHits > 0	At least one muon chamber hit included in the global-muon track fit
nMatches > 1	Muon segments in at least two muon stations This implies that the muon is also an arbitrated tracker muon
abs(dxyVTX) < 0.2	Its tracker track has transverse impact parameter $dxy < 2$ mm w.r.t. the primary vertex
abs(dzVTX) < 0.5	The longitudinal distance of the tracker track wrt. the primary vertex is $dz < 5$ mm
pixelHits > 0	Number of pixel hits > 0
trackerLayers > 5	Cut on number of tracker layers with hits >5
trkiso < 0.10	$(\sum pT(\text{TRK}))/pT < 0.10$

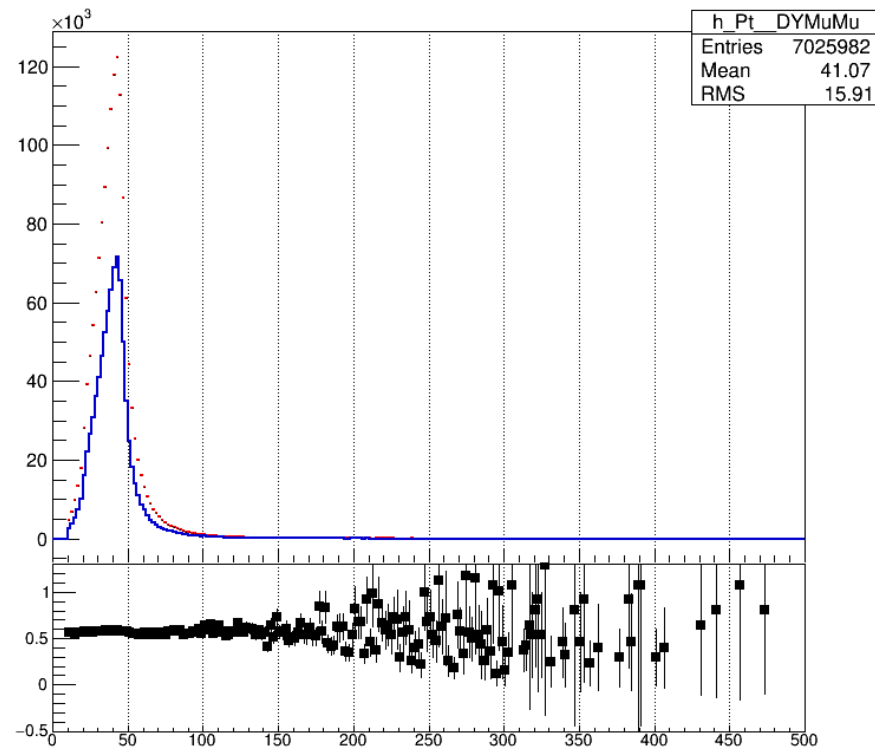
Without isGLB



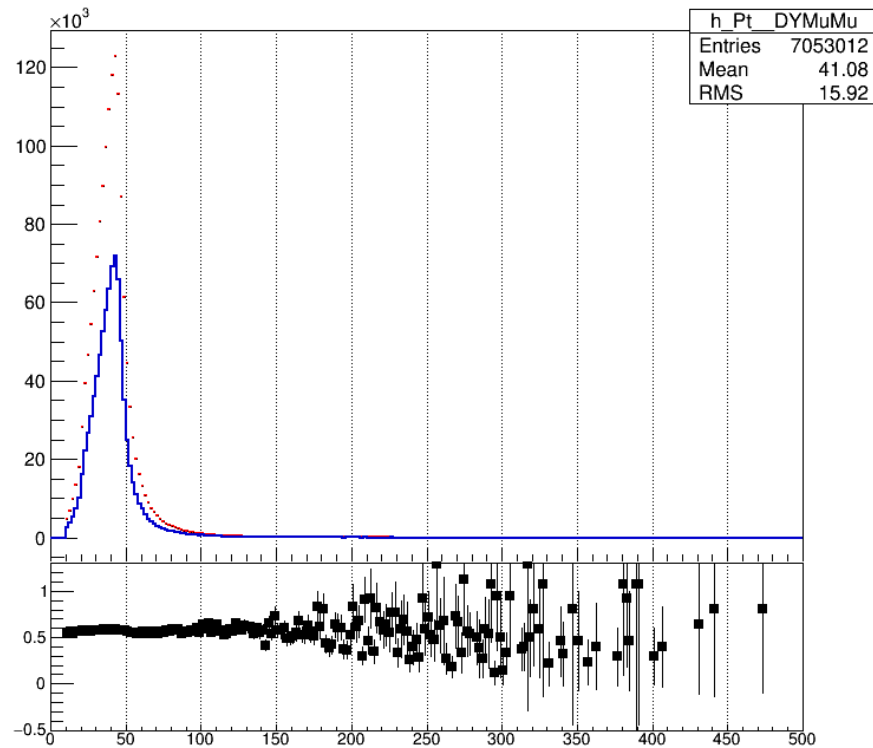
Without isPF



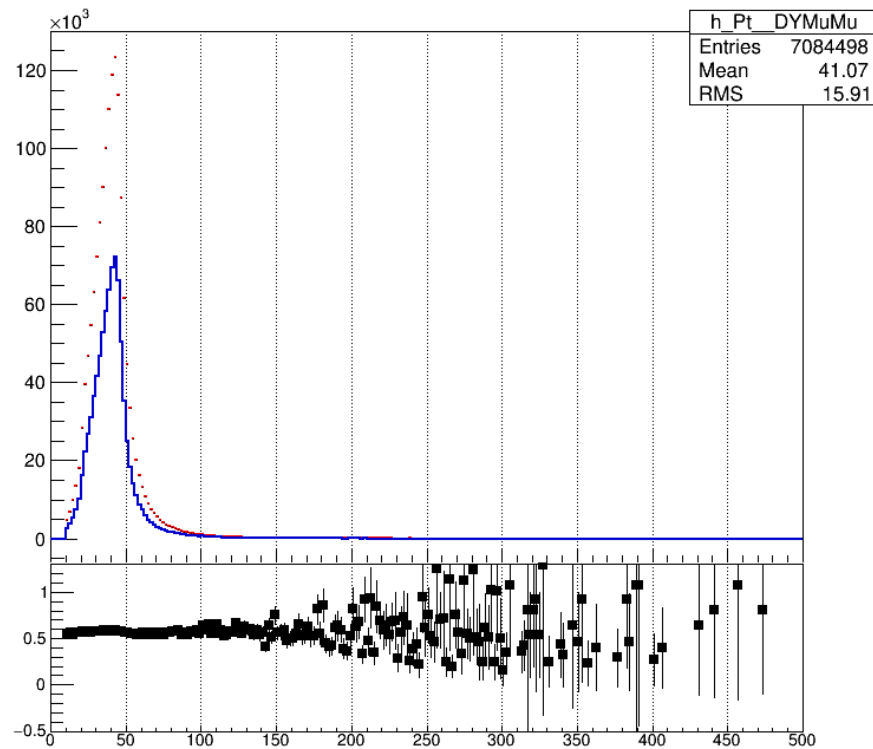
Without muonHits



Without chi2dof



Without nMatches



Without dxyVTX

