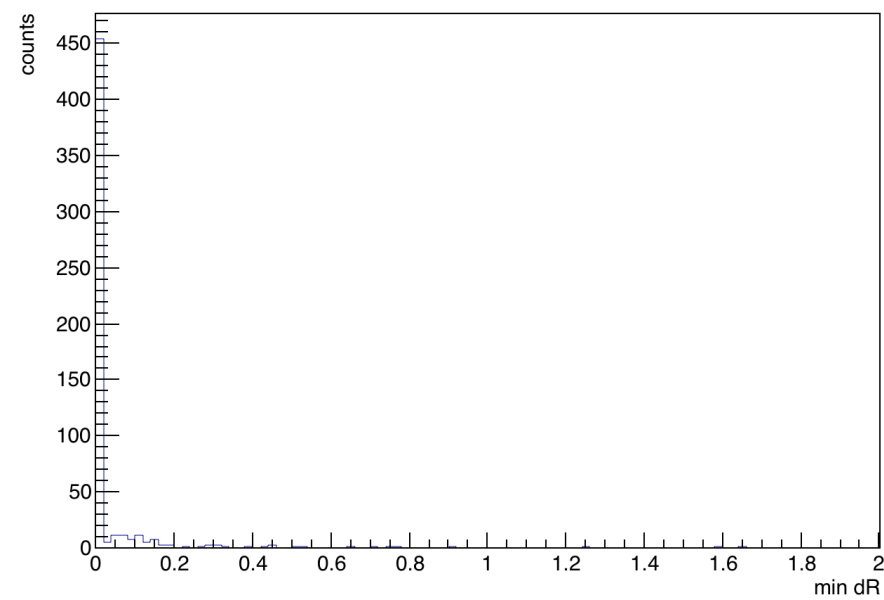
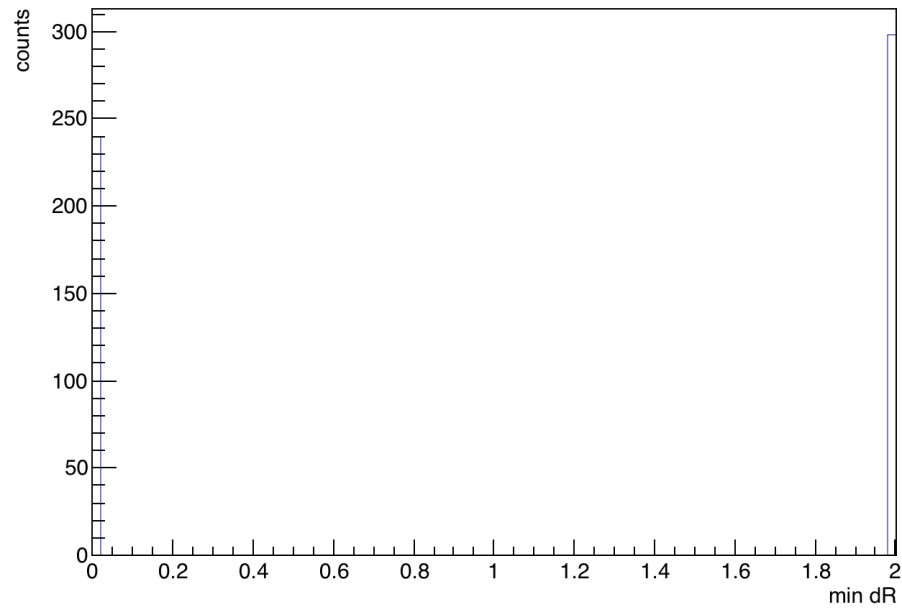


# Distance of closest tracks to Truth Muons in overlay MC

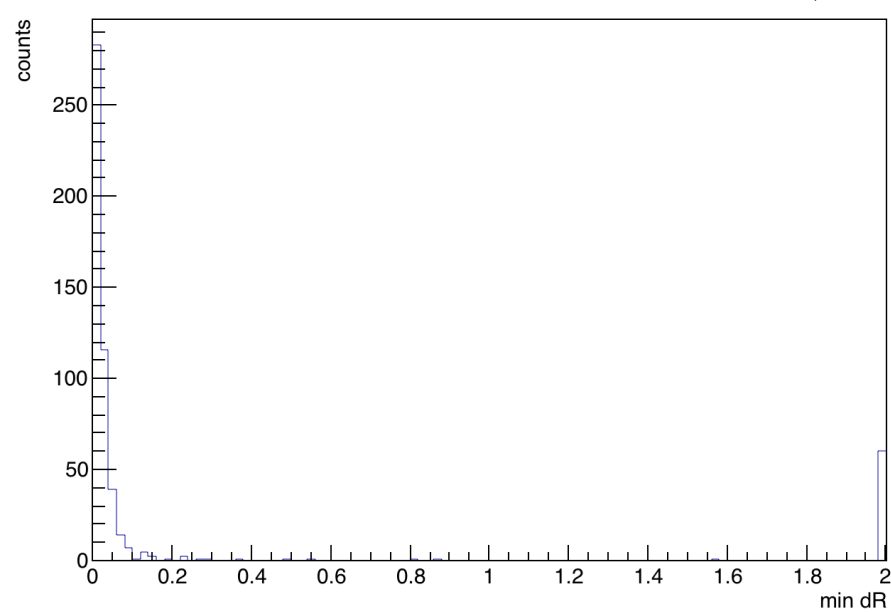
Distance of Closest ID Track to Truth Muon in overlay MC  $J/\Psi$  to  $\mu^+\mu^-$



Distance of Closest reco muon to Truth muon in overlay MC  $J/\Psi$  to  $\mu^+\mu^-$

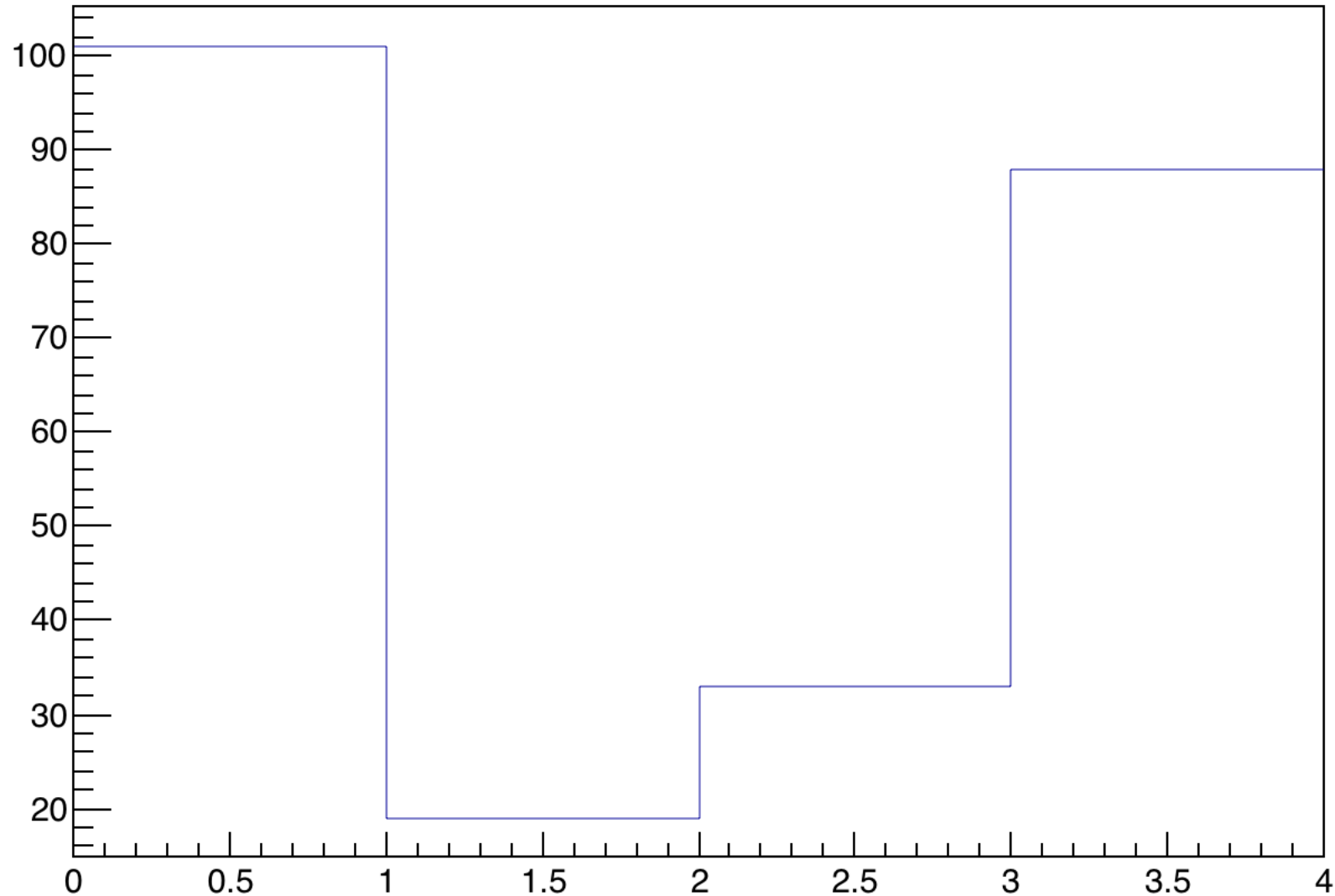


Distance of Closest MS Track to Truth Muon in overlay MC  $J/\Psi$  to  $\mu^+\mu^-$



Tracks are present for mostly both ID and MS, but tight reco muons are missing.

# Counts of status when there is a reco muon in MC Overlay



- From Tag and Probe
- 0: no ID track or MS track matched
- 1: only MS track
- 2: only ID track
- 3: have both track