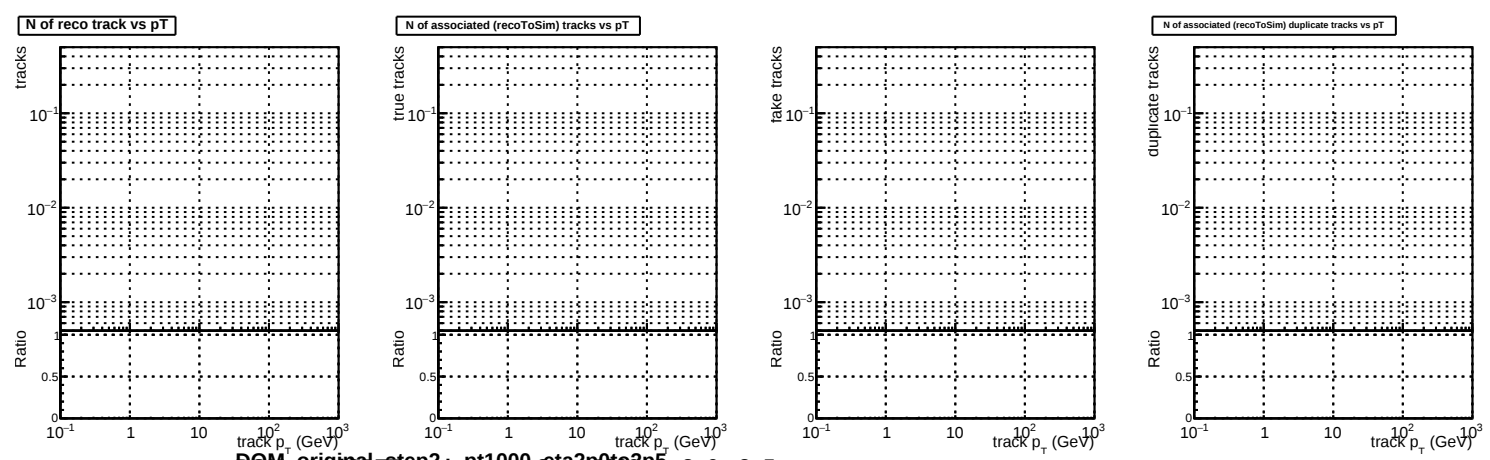




Legend for the plots above:

- N of reco track vs  $p_T$** :  $\text{recoToSim}$  (blue),  $\text{recoToSim} + \text{fake}$  (red),  $\text{recoToSim} + \text{duplicate}$  (green),  $\text{recoToSim} + \text{fake} + \text{duplicate}$  (purple).
- N of associated (recoToSim) tracks vs  $p_T$** :  $\text{recoToSim}$  (blue),  $\text{recoToSim} + \text{fake}$  (red),  $\text{recoToSim} + \text{duplicate}$  (green),  $\text{recoToSim} + \text{fake} + \text{duplicate}$  (purple).
- fake tracks**:  $\text{recoToSim}$  (blue),  $\text{recoToSim} + \text{fake}$  (red),  $\text{recoToSim} + \text{duplicate}$  (green),  $\text{recoToSim} + \text{fake} + \text{duplicate}$  (purple).
- N of associated (recoToSim) duplicate tracks vs  $p_T$** :  $\text{recoToSim}$  (blue),  $\text{recoToSim} + \text{fake}$  (red),  $\text{recoToSim} + \text{duplicate}$  (green),  $\text{recoToSim} + \text{fake} + \text{duplicate}$  (purple).

