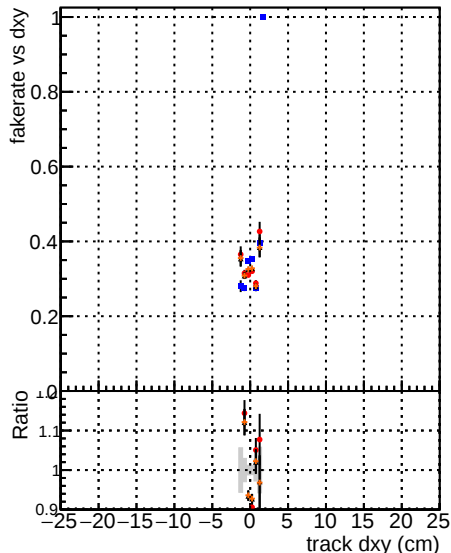
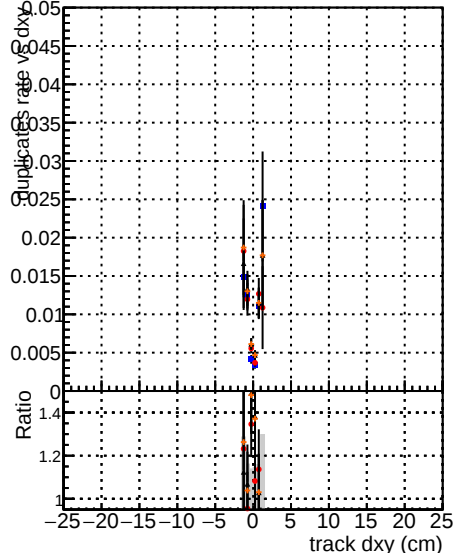


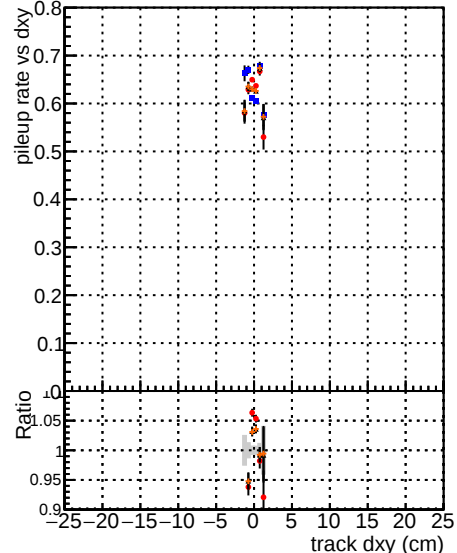
Fake rate vs dxy



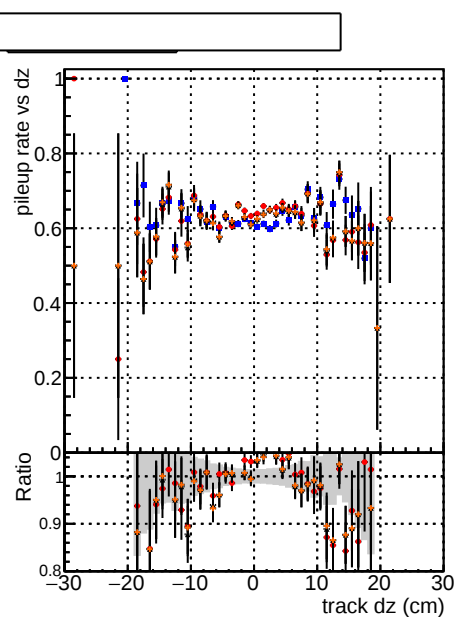
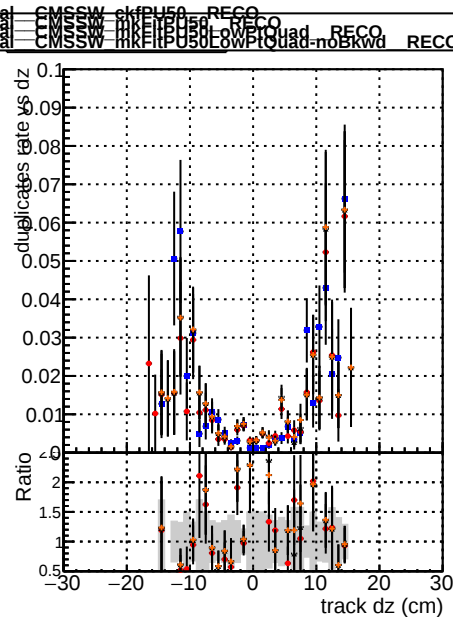
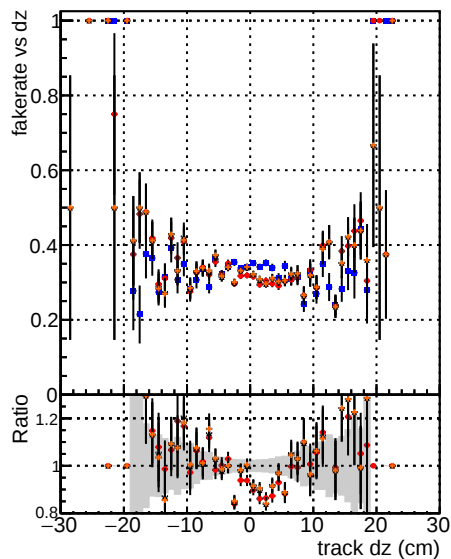
Duplicates Rate vs Dxy



Pileup rate vs dxy



Fake rate vs dz



Legend for detector regions: Global (black), CMS SW (red), CMS NW (blue), CMS SE (orange), and CMS SW (green). The legend also includes labels for the detector regions: Global, CMS SW, CMS NW, CMS SE, and CMS SW.