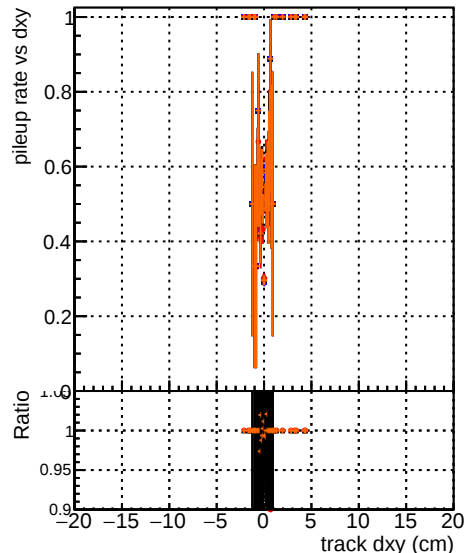
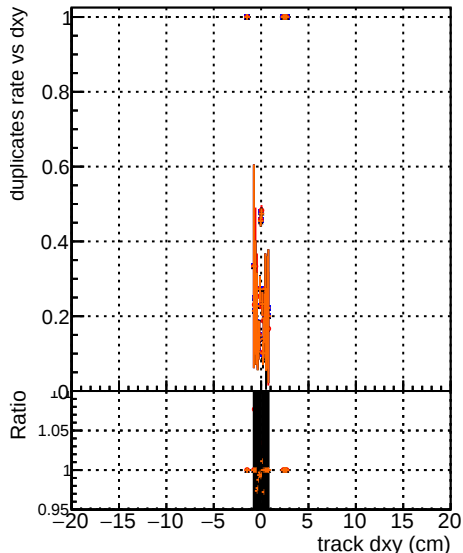
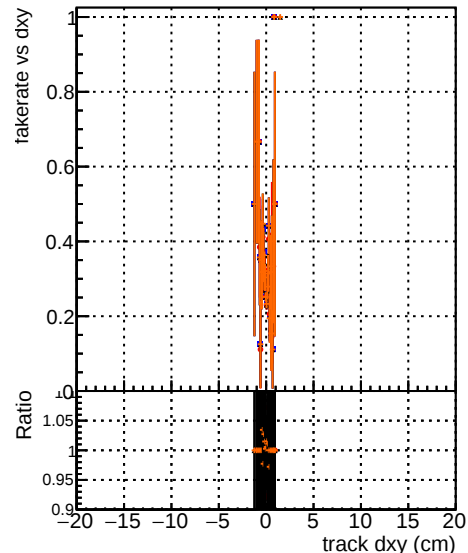


**Fake rate vs dxy**

**Duplicates Rate vs Dxy**

**Pileup rate vs dxy**



**Fake rate vs dz**

**Duplicates rate vs dz**

**Pileup rate vs dz**

