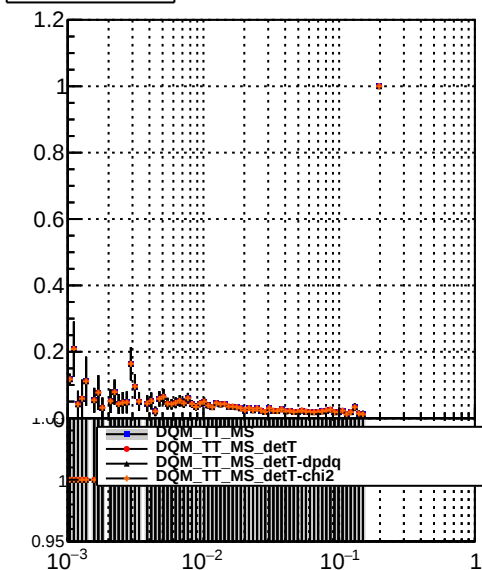
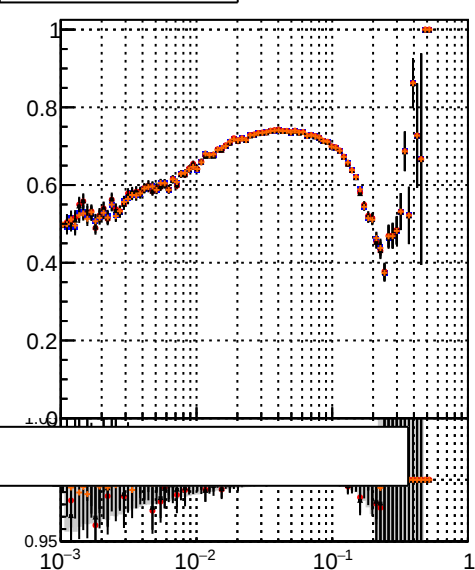
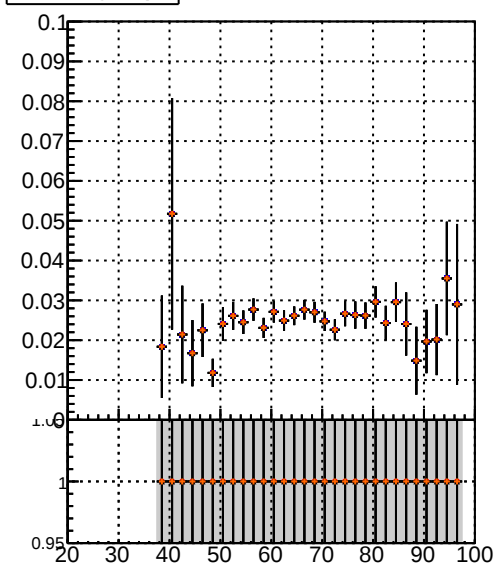


**Efficiency vs dr**

**fake+duplicates vs  $\Delta R$** 

**Efficiency vs dr (track,jet)**

**fake+duplicates vs  $\Delta R$ (track, jet)**

**Efficiency vs pu**

**fake+duplicates vs PU**
