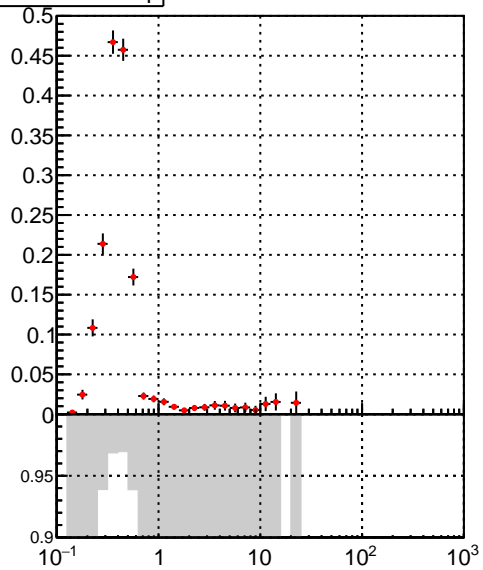
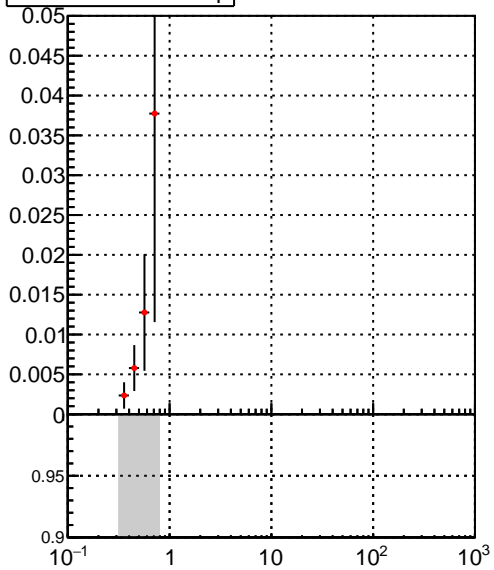
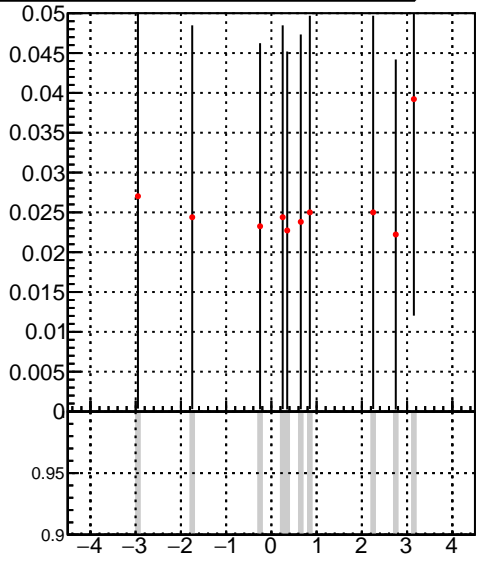
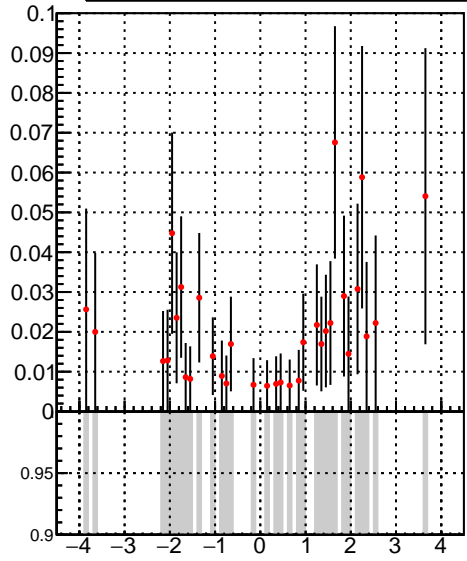
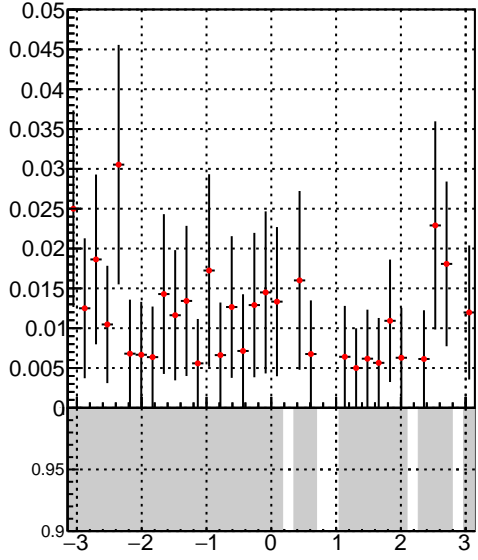


**Efficiency vs  $p_T$** **fake+duplicates vs  $p_T$** 

oob

**Efficiency vs  $\phi$** **fake+duplicates vs  $\phi$** 