

Tight Muon Efficiency

 $Z/\gamma^* \rightarrow \mu\mu$, $\langle \text{PU} \rangle = 200$, $p_T > 5 \text{ GeV}$

Muon System in ideal conditions:

□ Muon Phase-2

Muon System failures + neutron background:

■ Muon Phase-1 + GE1/1

▲ Muon Phase-1 + GE1/1 + GE2/1

+ Muon Phase-1 + GE1/1 + GE2/1 + iRPC

● Muon Phase-1 + GE1/1 + GE2/1 + iRPC + ME0

