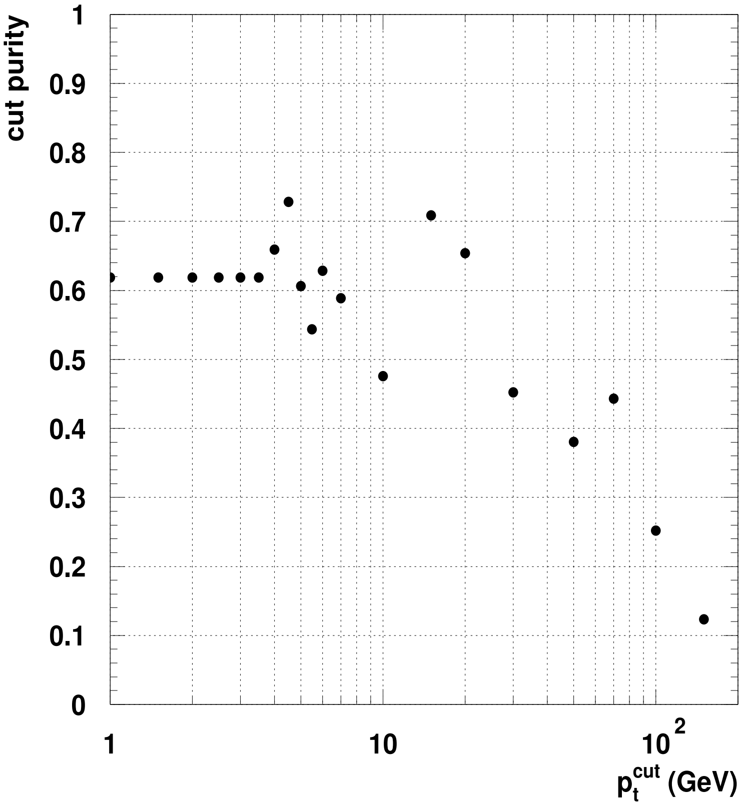
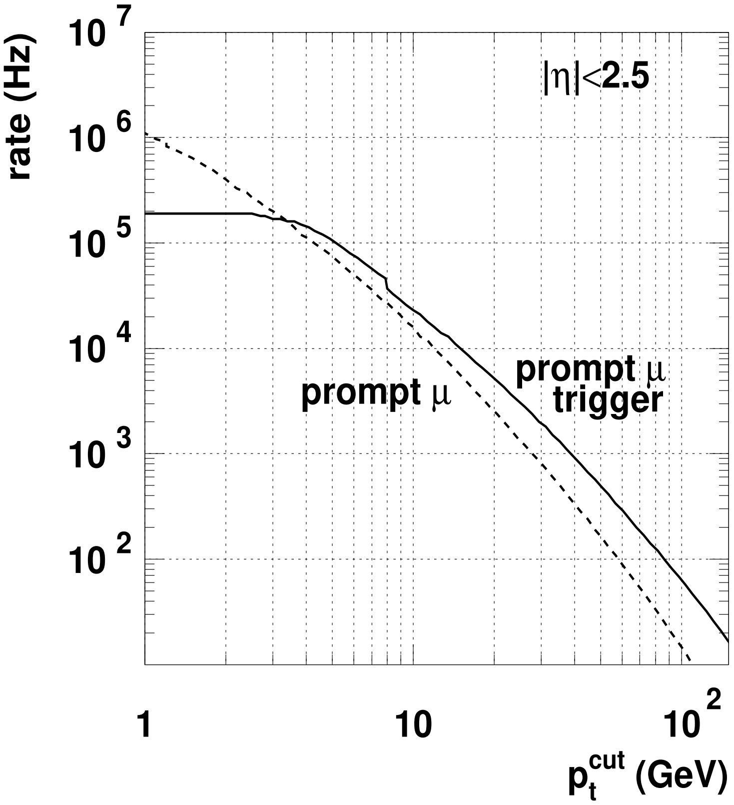
Domains of the two trigger subsystems

Intermediate p_t (20–100 GeV)

The readout granularity of the RPCs limits their momentum resolution above p_t = 20 GeV. The cut purity degrades from about 60% below 20 GeV down to 20% at 100 GeV.





The precise muon DT and CSC chambers, with much better resolution, considerably sharpen the momentum cut. Assuming perfect resolution they can reduce the trigger rate 2× at 20 GeV and 5× at 100 GeV.