

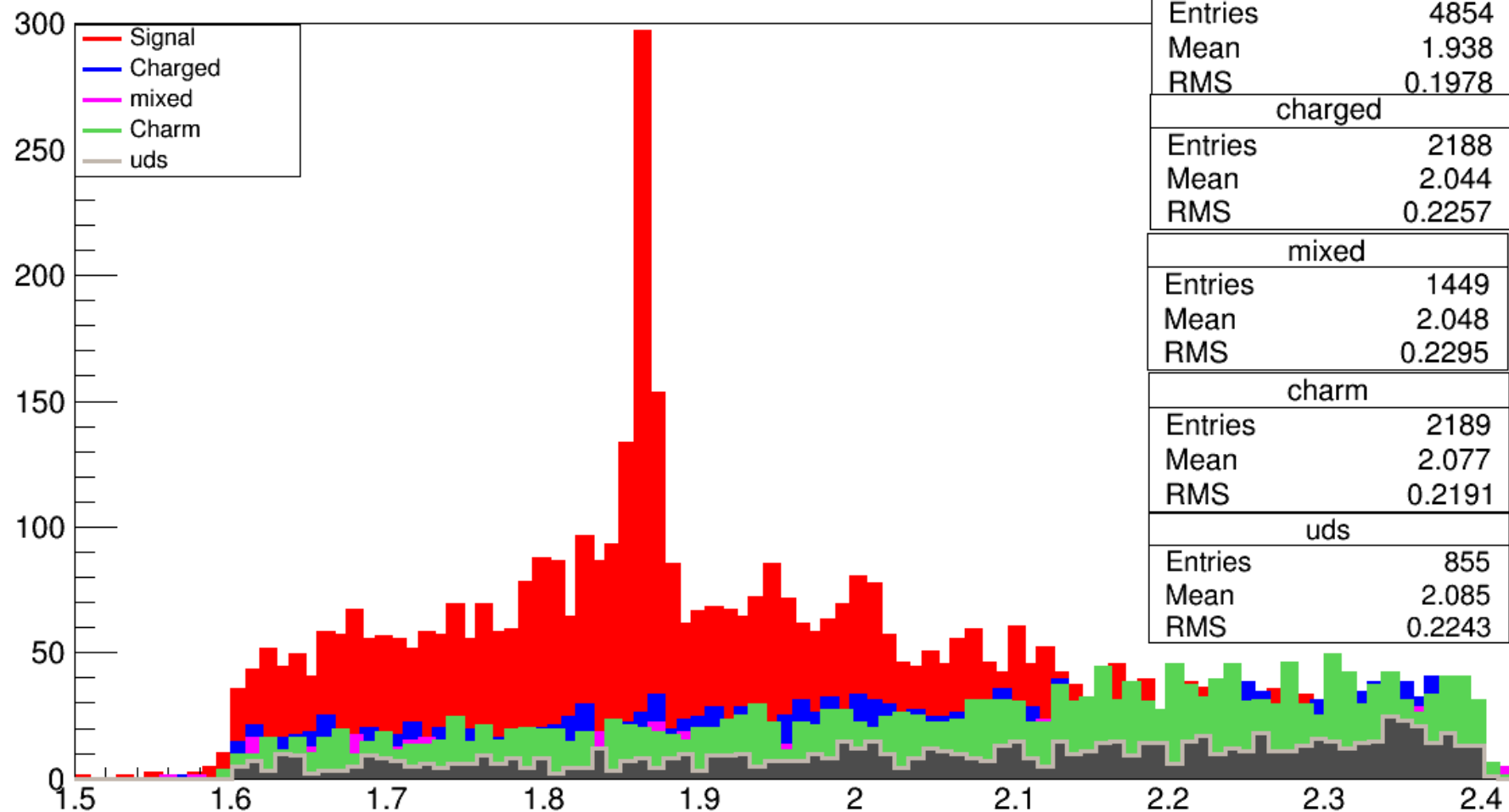
# Generic MC update with new photon cuts

$B^+ \rightarrow K^+ \tau^- \mu^+$

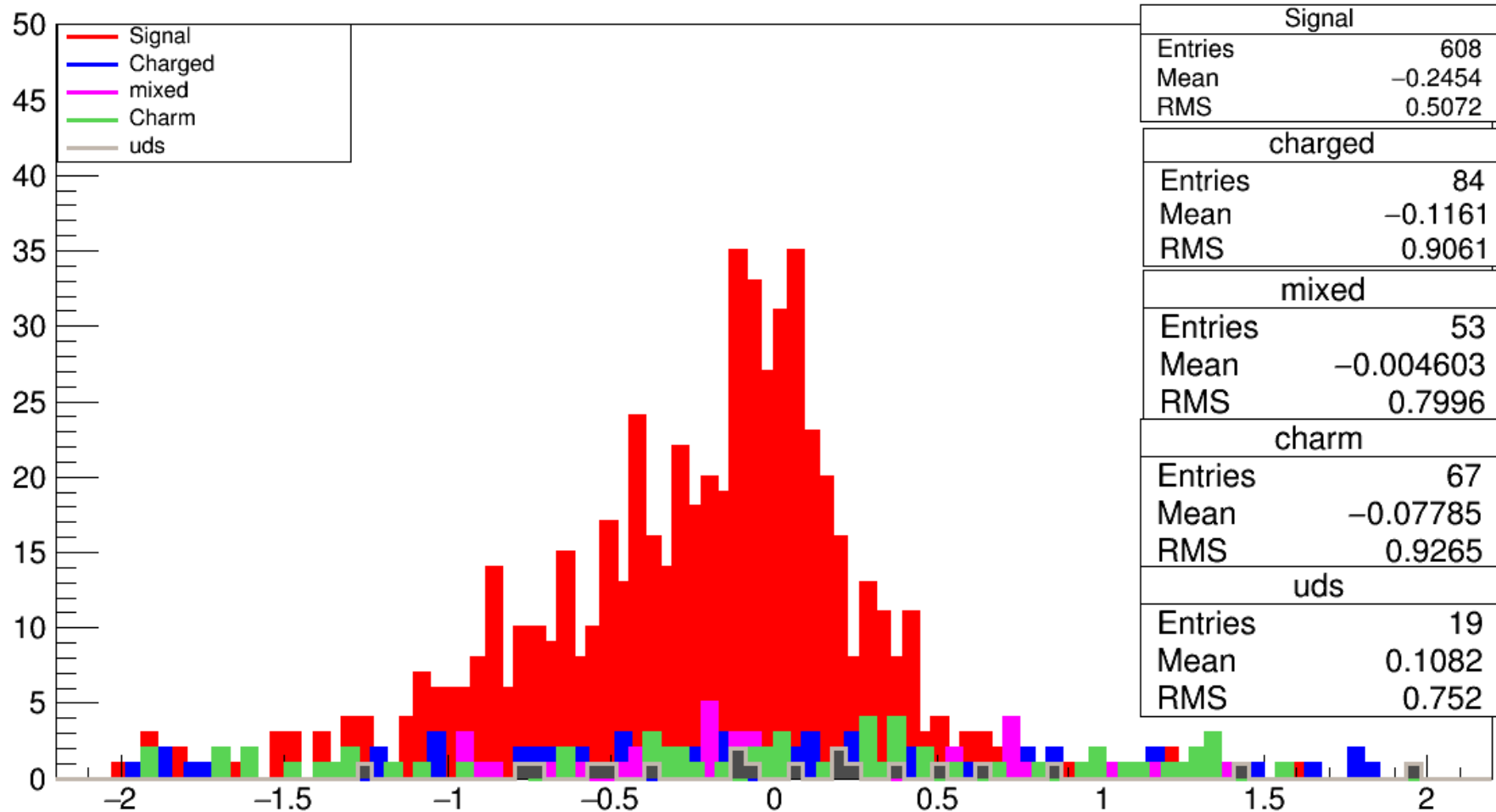
1.0 M signal events  
3 Streams of generic MC

09 Nov. 2023

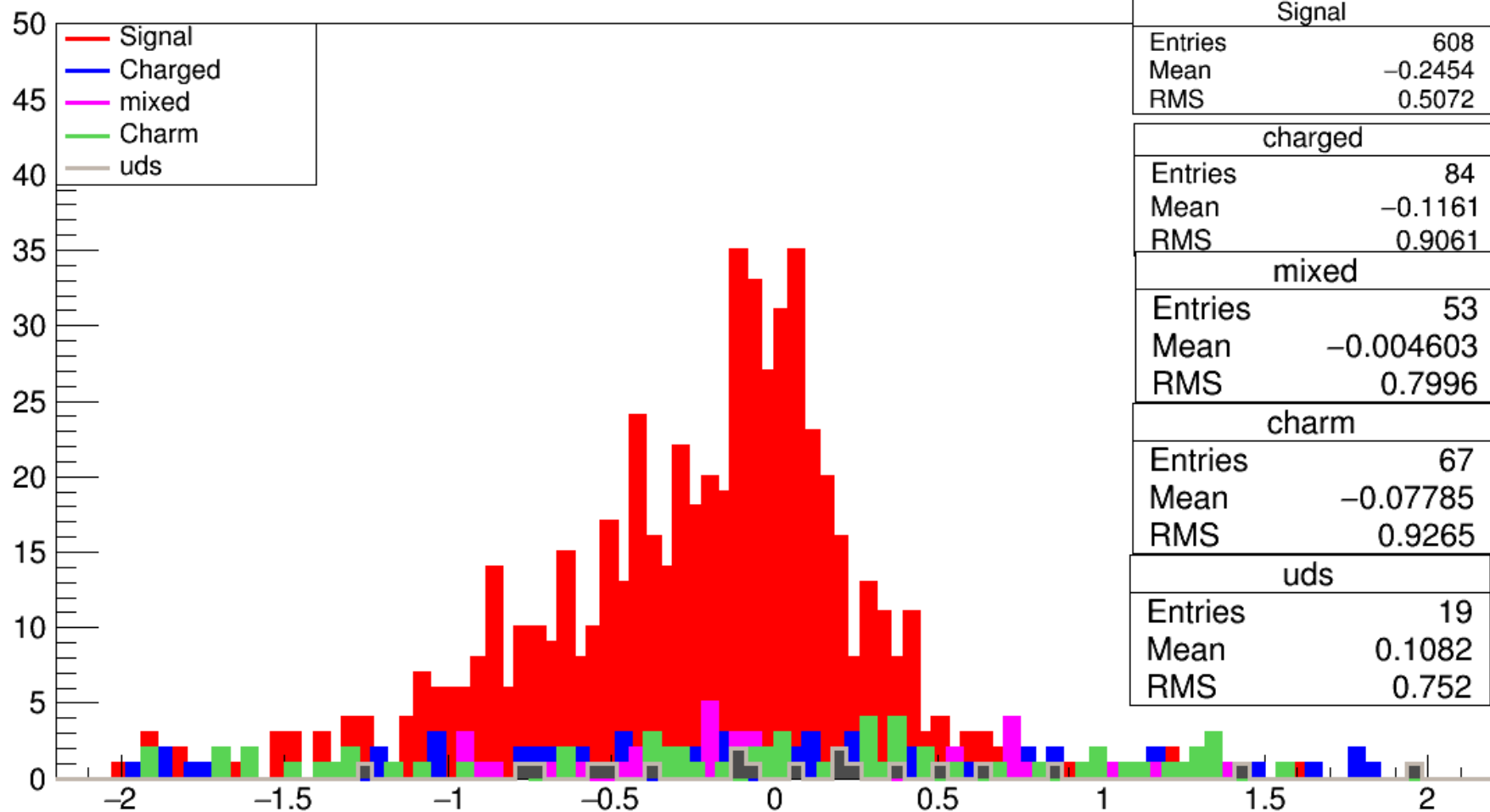
m\_D with abs(sin\_phi)<1.0



Best(cos\_tag+cos\_sig) in the region around D[abs(m\_D-1.86)<0.015] with abs(sin\_phi)<1.5

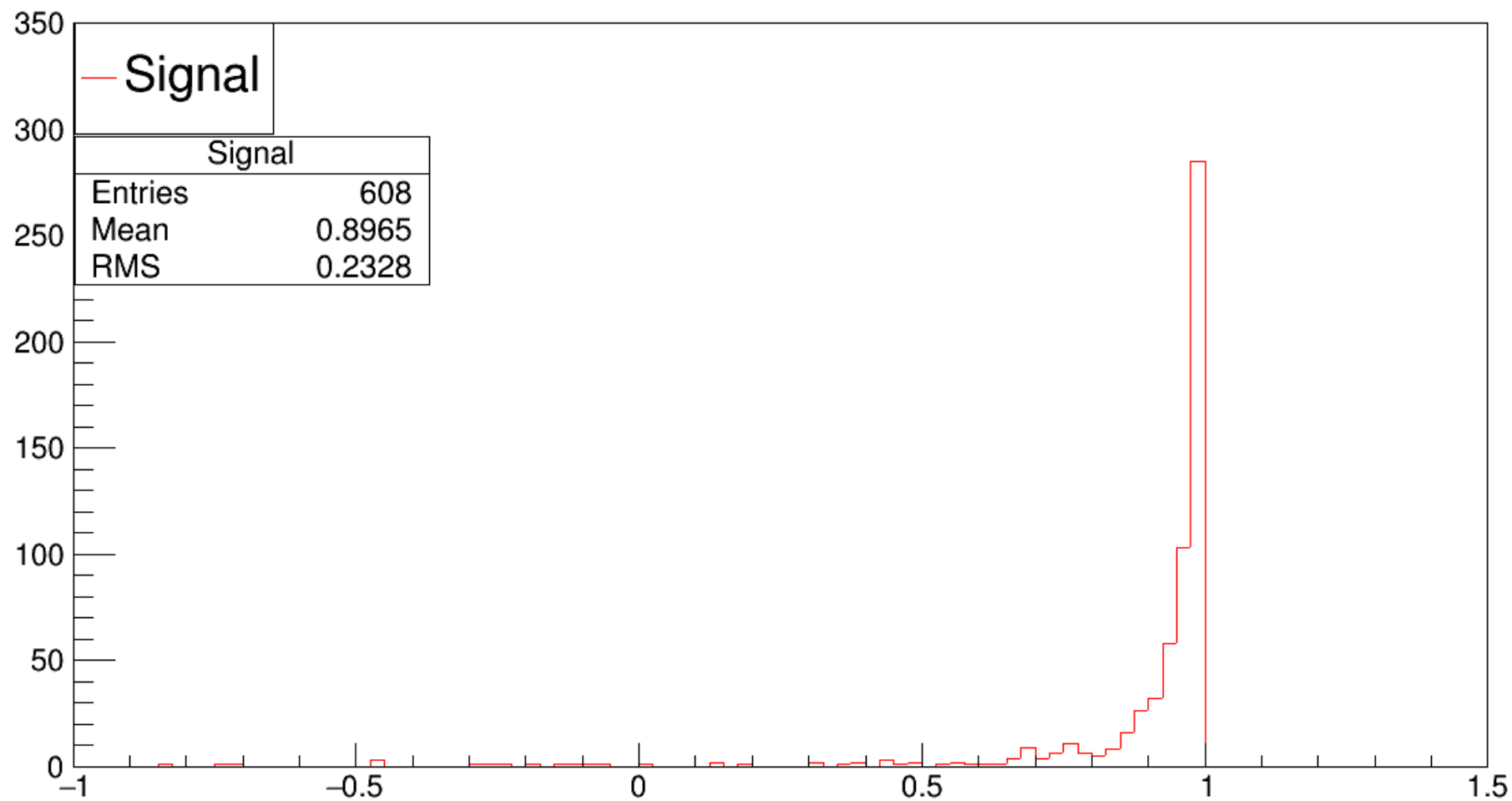


Best(cos\_tag+cos\_sig) in the region around D[abs(m\_D-1.86)<0.015] with abs(sin\_phi)<1.1



Back up

sin\_phi in the region around D[abs(m\_D-1.86)<0.015] Sig. MC



# Cuts used in the reco. program

- $\text{abs}(\sin\_phi) < 1.5$
- $\text{abs}(m\_lpi - 3.1) > 0.015$
- $m\_Kpi > 0.7$
- $\text{abs}(\cos(P_{\text{Btag}}, P_{\text{vis}})) < 2$
- $1.6 < m\_D < 2.4$