Events \( \times 10^3 \times 10^4 \)

4L(\(\mu\mu\)), 0B

\(S_T > 400 \text{ GeV} \)

\(g^2 \times \text{BR}(\phi \rightarrow \mu \mu) = 0.05\)

CMS Preliminary

137 fb\(^{-1}\) (13 TeV)

Data

\(\text{ZZ} \)

\(\text{t\bar{t}Z} \)

Conversion

MisID

Rare

\(\text{t\bar{t}\phi}_{PS}(125) \)

\(\text{t\bar{t}\phi}_{S}(300) \)

Uncertainty

Dimuon \(M_{\text{OSSF}}^{300} \) (GeV)

\(\text{Obs/Exp} \)

\(150 \)

\(200 \)

\(250 \)

\(300 \)

\(350 \)