

Weighted Events

ATLAS Internal

$\sqrt{s} = 13.6 \text{ TeV}, L = 165.4 \text{ fb}^{-1}$

QBH $\rightarrow \mu j$, SR

--- ADDn6_m9.0

--- ADDn4_m8.5

--- ADDn2_m8.0

--- RSn1_m7.0

Wjets

Zjets

VV

ttbar

single-t

jj

ttV

10^{13}
 10^{12}
 10^{11}
 10^{10}
 10^9
 10^8
 10^7
 10^6
 10^5
 10^4
 10^3
 10^2
 10
 1
 10^{-1}
 10^{-2}

Leading muon
1-lepton trigger
lepton1 η
SR mass range
lepton1 is signal
only 1 signal lepton
lepton1 $p_T > 150$
 $\Delta\phi > 2.8$
 $\Delta\eta < 3.25$
N leptons = 1

Cutflow