

MC background (1 ipb)

cutflow	The number of events (Single trigger)	The number of events (Compound trigger)
Trigger	$233.148197 \pm 0.1222852828$	$310.1298617 \pm 0.2197938513$
Jet cleaning	$232.9436357 \pm 0.1222320395$	$309.8153068 \pm 0.2196688426$
Njets ≥ 2	$174.2833212 \pm 0.107884725$	$297.1421696 \pm 0.2105927034$
NPhotons ≥ 1	$135.0081085 \pm 0.09090703513$	$255.0768565 \pm 0.1910235762$
Photon pT cut	$98.20166368 \pm 0.04848224827$	$176.5869026 \pm 0.1288162505$
Jet1 pT cut	$98.20166368 \pm 0.04848224827$	$166.0112429 \pm 0.1240634007$
Jet2 pT cut	$98.20166368 \pm 0.04848224827$	$102.3478411 \pm 0.09840023749$
$y^* < 0.75$	$59.95544201 \pm 0.03528299297$	$60.28954121 \pm 0.07355563953$
2 b-tagged	$0.3441534227 \pm 0.002955231572$	$0.3724795803 \pm 0.005743611347$

MC16a signal 250 GeV, $g_q=0.2$ (1 ipb)

cutflow	The number of events (Single trigger)	The number of events (Compound trigger)
Trigger	$0.2227738947 \pm 0.002378891849$	$0.3225336671 \pm 0.002862593383$
Jet cleaning	$0.2226215601 \pm 0.002378077949$	$0.3222797513 \pm 0.002861466067$
Njets ≥ 2	$0.2070571035 \pm 0.002293402851$	$0.3134438097 \pm 0.002821954958$

NPhotons ≥ 1	$0.1767018139 \pm 0.002118627905$	$0.2896020412 \pm 0.002712472974$
Photon pT cut	$0.143842116 \pm 0.001912638448$	$0.2841693163 \pm 0.002688855494$
Jet1 pT cut	$0.143842116 \pm 0.001912638448$	$0.2801482677 \pm 0.002669758692$
Jet2 pT cut	$0.143842116 \pm 0.001912638448$	$0.2192705125 \pm 0.002361959073$
$y^* < 0.75$	$0.1083968133 \pm 0.001660392653$	$0.1773473918 \pm 0.002124242107$
2 b-tagged	$0.008037619293 \pm 0.0004401507252$	$0.01351407357 \pm 0.0005726609449$

MC16a signal 550 GeV, $g_q=0.2$ (1 ipb)

cutflow	The number of events (Single trigger)	The number of events (Compound trigger)
Trigger	$0.06822236627 \pm 0.0006523153149$	$0.1010955349 \pm 0.0007940718216$
Jet cleaning	$0.06817246228 \pm 0.0006520766994$	$0.1010082066 \pm 0.0007937287782$
Njets ≥ 2	$0.06636349857 \pm 0.0006433671367$	$0.09974817187 \pm 0.0007887625466$
NPhotons ≥ 1	$0.05632065609 \pm 0.0005926909493$	$0.0908780247 \pm 0.000752875805$
Photon pT cut	$0.04647777975 \pm 0.0005387338863$	$0.08859505504 \pm 0.0007439329981$
Jet1 pT cut	$0.04647777975 \pm 0.0005387338863$	$0.08842027187 \pm 0.0007431990884$
Jet2 pT cut	$0.04647777975 \pm 0.0005387338863$	$0.08380419016 \pm 0.0007235392833$
$y^* < 0.75$	$0.03154822811 \pm 0.0004438588811$	$0.05850090832 \pm 0.00060452125$
2 b-tagged	$0.002461771481 \pm 0.0001196913899$	$0.004952708725 \pm 0.0001697993784$