

Applied Cut	$N_{\text{bkgd}}^{\text{Exp}}$	$N_{\text{sig}}^{\text{Exp}}$	$N_{\text{sig}}^{\text{Exp}}/N_{\text{bkgd}}^{\text{Exp}}$	$N_{\text{sig}}^{\text{Exp}}/\sqrt{N_{\text{bkgd}}^{\text{Exp}}}$
No Cuts	$391500.^{1840.05}_{-1879.2}$	$904.8^{4.25256}_{-4.34304}$	0.00231111	1.44606
Trigger: $ \eta <2.4$	$317311.^{1683.45}_{-1683.45}$	$884.894^{4.25256}_{-4.25256}$	0.00278873	1.5709
$p_{\text{T}}\geq 0.2$ GeV	$52539.3^{665.55}_{-704.7}$	$772.337^{3.98112}_{-3.98112}$	0.0147002	3.3695
$p_{\text{T}}\geq 0.25$ GeV	$29519.1^{508.95}_{-508.95}$	$695.158^{3.80016}_{-3.80016}$	0.0235494	4.04606
$p_{\text{T}}\geq 0.3$ GeV	$17030.3^{391.5}_{-391.5}$	$596.625^{3.43824}_{-3.52872}$	0.0350333	4.57184
$p_{\text{T}}\geq 0.35$ GeV	$10844.6^{313.2}_{-313.2}$	$467.148^{3.07632}_{-3.07632}$	0.0430768	4.48589
$p_{\text{T}}\geq 0.4$ GeV	$6851.25^{234.9}_{-234.9}$	$290.531^{2.44296}_{-2.44296}$	0.0424056	3.51001
$p_{\text{T}}\geq 0.45$ GeV	$3915.^{195.75}_{-195.75}$	$0.^{0.}_{-0.}$	0.	0.