

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	$391500.{}^{1840.05}_{-1879.2}$	$927.8{}^{4.36066}_{-4.45344}$	0.00236986	1.48282
Trigger: $ \eta <2.4$	$317311.{}^{1683.45}_{-1683.45}$	$904.048{}^{4.36066}_{-4.36066}$	0.00284909	1.6049
$p_{\text{T}}\geq 0.2$ GeV	$52539.3{}^{665.55}_{-704.7}$	$815.351{}^{4.08232}_{-4.1751}$	0.0155189	3.55715
$p_{\text{T}}\geq 0.25$ GeV	$29519.1{}^{508.95}_{-508.95}$	$752.91{}^{3.98954}_{-3.98954}$	0.0255058	4.38219
$p_{\text{T}}\geq 0.3$ GeV	$17030.3{}^{391.5}_{-391.5}$	$674.603{}^{3.7112}_{-3.80398}$	0.0396121	5.16937
$p_{\text{T}}\geq 0.35$ GeV	$10844.6{}^{313.2}_{-313.2}$	$574.958{}^{3.43286}_{-3.52564}$	0.0530181	5.52116
$p_{\text{T}}\geq 0.4$ GeV	$6851.25{}^{234.9}_{-234.9}$	$454.344{}^{3.06174}_{-3.06174}$	0.0663154	5.48908
$p_{\text{T}}\geq 0.45$ GeV	$3915.{}^{195.75}_{-195.75}$	$296.061{}^{2.50506}_{-2.50506}$	0.0756222	4.73168