

LUCID efficiencies from Monte Carlo at 7 TeV

	Pythia	Phojet		Pythia	Phojet
$\mathcal{E}_{\text{OR}}^{\text{ND}}$ (%)	79.7 ± 0.3	73.7 ± 0.3	$\mathcal{E}_{\text{AND}}^{\text{ND}}$ (%)	30.8 ± 0.3	24.9 ± 0.3
$\mathcal{E}_{\text{OR}}^{\text{SD}}$ (%)	28.7 ± 0.3	44.3 ± 0.4	$\mathcal{E}_{\text{AND}}^{\text{SD}}$ (%)	1.33 ± 0.08	2.37 ± 0.11
$\mathcal{E}_{\text{OR}}^{\text{DD}}$ (%)	39.9 ± 0.3	62.0 ± 0.3	$\mathcal{E}_{\text{AND}}^{\text{DD}}$ (%)	4.3 ± 0.1	14.6 ± 0.2
\mathcal{E}_{OR} (%)	64.9 ± 0.2	69.7 ± 0.3	\mathcal{E}_{AND} (%)	22.4 ± 0.2	22.3 ± 0.3
$\sigma_{\text{OR}}^{\text{vis}}$ (mb)	46.4 ± 0.2	53.1 ± 0.2	$\sigma_{\text{AND}}^{\text{vis}}$ (mb)	16.0 ± 0.1	17.0 ± 0.2

	Pythia	Phojet		Pythia	Phojet
$\mathcal{E}_A^{\text{ND}}$ (%)	55.4 ± 0.4	48.9 ± 0.4	$\mathcal{E}_C^{\text{ND}}$ (%)	55.1 ± 0.4	49.7 ± 0.4
$\mathcal{E}_A^{\text{SD}}$ (%)	15.1 ± 0.3	23.4 ± 0.3	$\mathcal{E}_C^{\text{SD}}$ (%)	14.9 ± 0.3	23.2 ± 0.3
$\mathcal{E}_A^{\text{DD}}$ (%)	21.8 ± 0.3	38.2 ± 0.3	$\mathcal{E}_C^{\text{DD}}$ (%)	22.4 ± 0.3	38.4 ± 0.3
\mathcal{E}_A (%)	43.2 ± 0.2	46.1 ± 0.4	\mathcal{E}_C (%)	44.1 ± 0.2	45.9 ± 0.4
σ_A^{vis} (mb)	30.9 ± 0.2	35.1 ± 0.3	σ_C^{vis} (mb)	31.5 ± 0.2	35.0 ± 0.3