

ALICE Run-4 Simulation: Pb-Pb UPC at $\sqrt{s_{\text{NN}}} = 5.02 \text{ TeV}$

inc $J/\psi \rightarrow e^+e^-$

acceptance

reconstruction eff

signal eff

$\text{Acc} \times \mathcal{E}$ (total = 19.9%)

selections:

superclusterizer (5 GeV, 5 cm)

$E_{\text{supcl}} > 10 \text{ GeV}$

$2.5 < m_{\text{supcl pair}} < 3.5 \text{ GeV}/c^2$

