

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

**inc**  $\psi' \rightarrow \text{J}/\psi + \pi^+\pi^- \rightarrow \text{e}^+\text{e}^- + \pi^+\pi^-$

**selections:**

acceptance

superclusterizer (5 GeV, 5 cm)

reconstruction eff

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

signal eff

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

$\text{Acc} \times \mathcal{E}$  (total = 20.4%)

