

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

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

—+—  $\text{Acc} \times \varepsilon$  (total = 28.3%)

—+— acceptance

—+— efficiency

**selections:**

superclusterizer (5 GeV, 5 cm)

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

$1.4 < m_{\text{supcl pair}} < 4.2$  GeV/ $c^2$

