

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

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

—+— $\text{Acc} \times \varepsilon$ (total = 27.2%)

—+— acceptance

—+— efficiency

selections:

superclusterizer (5 GeV, 5 cm)

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

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

