ALICE Run-4 Simulation: Pb–Pb UPC at $\sqrt{s_{_{NN}}}$ = 5.02 TeV, J/ ψ and $\psi' \to e^+e^ \times 10^3$ Counts per 40 MeV [-] 12 $L_{\rm int} = 6.9 \; {\rm nb}^{-1}$ total: 138350 events $3.4 < y_{VM} < 5.8$ $3.4 < \eta_{e^{\pm}} < 5.8$ 10 8 6 4 2 2.0 2.5 3.0 3.5 4.0 $m_{ m supcl\ pair}\ [{ m GeV}/c^2]$