

## Production of X(3872) in ATLAS at $\sqrt{s}=8$ TeV

The differential cross sections for prompt and non-prompt production of  $\psi(2S)$  and X(3872) is measured in the  $J/\psi \pi^+ \pi^-$  decay mode in pp collisions at  $\sqrt{s}=8$  TeV, using the integrated luminosity of 11.4 fb<sup>-1</sup> taken by the ATLAS detector. The non-prompt fraction of X(3872) production and the ratio of X(3872) and  $\psi(2S)$  production cross sections are also measured. Results are compared with theoretical predictions.

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