

Entries / 100 MeV

ATLAS Preliminary

$\sqrt{s} = 8 \text{ TeV}$ $\int L dt = 20.3 \text{ fb}^{-1}$

$10 \text{ GeV} < E_T < 15 \text{ GeV}$

$2.01 < |\eta| < 2.47$

—●— OS data, all probes

— Fit result

- - - $J/\psi \rightarrow ee$ signal

- · - · $\psi(2S) \rightarrow ee$ signal

····· Total background

- - - OS background

— SS background

600

500

400

300

200

100

0

2000

2500

3000

3500

4000

4500

$m_{ee} [\text{MeV}]$

