

# STARlight: inc $J/\psi \rightarrow e^+e^-$

$d\sigma/dy$  [mb]

3.5

3.0

2.5

2.0

1.5

1.0

0.5

0.0

$\sigma(|y| < 6.0) = 17.800$  mb

$\sigma(3.4 < |y| < 5.8) = 3.488$  mb

$\sigma(3.4 < y < 5.8) = 1.747$  mb

Acc<sup>[1]</sup>: 42.24 %

Run-4 expectations:

$L_{\text{int}}$  (UPC Pb–Pb):  $6.9 \text{ nb}^{-1}$

$N(3.4 < y < 5.8) \approx 710000$

$N(3.4 < \eta^{e^\pm} < 5.8) \approx 300000$

–6

–4

–2

0

2

4

6

$y$  [–]

