

# STARlight: coherent Y(1S)

$\times 10^{-3}$

$$\sigma(|y| < 6.0) = 0.094 \text{ mb}$$

$$\sigma(3.4 < |y| < 5.8) = 0.002 \text{ mb}$$

$$\sigma(3.4 < y < 5.8) = 0.001 \text{ mb}$$

$$\text{Acceptance}^{[1]}: 18.92 \%$$

Run-4 expectations:

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

$$N(3.4 < |y^{\text{VM}}| < 5.8) \approx 180$$

$$N(3.4 < |\eta^{e^\pm}| < 5.8) \approx 34$$

