

STAR Preliminary 2012

$p + p \rightarrow \pi^+\pi^- + X$ at $\sqrt{s} = 200$ GeV

$|\eta^{\pi^+\pi^-}| < 1, 1 < p_T^{\pi^+\pi^-} < 15$ (GeV/c), $0.02 < \text{cone} < 0.7$

$0.27 < M_{\text{inv}}^{\pi^+\pi^-} < 4.0$ (GeV/c²), $L_{\text{int}} = 26$ (pb)⁻¹

$\frac{d\sigma^{\pi^+\pi^-}}{dM^{\pi^+\pi^-}} \left(\frac{\text{pb}}{\text{GeV}} \right)$

Pythia 6.4.28 @ Perugia 2012,
PARP(90)=0.213, CTEQ6 PDFs
Measured

