

Selection requirement

Signal (reference) sample: $0 (40) < m_{\ell^+\ell^-} < 80 \text{ GeV}$

Reference sample: $4 < m_{\mu_3^\pm \mu_4^\mp} < 80 \text{ GeV}$

$|m_{\ell^+\ell^- \mu^+\mu^-} - 91.1876 \text{ GeV}| < 25 \text{ GeV}$

$|\eta(\text{electrons})| < 2.5, \quad |\eta(\text{muons})| < 2.4$

$p_T(\ell_1, \ell_2, \mu_3, \mu_4) > (30, 15, 3.5, 3.5) \text{ GeV}$

Signal sample: $p_T^{J/\psi} > 8.5 \text{ GeV}$