

| Fit type | χ^2/NDoF | p -value | $\mathcal{R}_\omega^{\text{all}}$ | \mathcal{R}_ω^0 | $\mathcal{R}_{\omega/\rho}^0$ | n_σ |
|---|----------------------|------------|-----------------------------------|-----------------------------|-------------------------------|---------------|
| Default | 24.7/32 | 0.82 | 0.214 ± 0.023 | 0.019 ± 0.004 | 0.025 ± 0.006 | 8.1σ |
| $P_2 \neq 0$ | 24.6/31 | 0.78 | 0.206 ± 0.035 | 0.018 ± 0.006 | 0.023 ± 0.009 | 5.5σ |
| Gaussian $\chi_{c1}(3872)$ | 20.0/32 | 0.95 | 0.194 ± 0.024 | 0.016 ± 0.004 | 0.020 ± 0.006 | 7.3σ |
| cubic $\epsilon(m_{\pi^+\pi^-})$ | 24.5/32 | 0.83 | 0.221 ± 0.023 | 0.021 ± 0.005 | 0.027 ± 0.007 | 8.1σ |
| had.ID corrections | 24.6/32 | 0.82 | 0.214 ± 0.023 | 0.019 ± 0.004 | 0.025 ± 0.006 | 8.1σ |
| BDT selection | 24.6/32 | 0.82 | 0.207 ± 0.022 | 0.018 ± 0.004 | 0.023 ± 0.006 | 7.9σ |
| $\sigma(m_{\pi^+\pi^-}) \times 1.0$ | 26.6/32 | 0.74 | 0.213 ± 0.023 | 0.019 ± 0.004 | 0.025 ± 0.006 | 8.1σ |
| $\sigma(m_{\pi^+\pi^-}) \times 1.14$ | 22.6/32 | 0.89 | 0.215 ± 0.023 | 0.020 ± 0.004 | 0.026 ± 0.006 | 8.1σ |
| $m_{\pi^+\pi^-} < 775 \text{ MeV}$ | 18.0/31 | 0.97 | 0.196 ± 0.024 | 0.016 ± 0.004 | 0.021 ± 0.006 | 7.1σ |
| $\cos\theta_X < 0$ | 26.9/32 | 0.72 | 0.211 ± 0.035 | 0.019 ± 0.007 | 0.024 ± 0.010 | 5.2σ |
| $\cos\theta_X > 0$ | 42.2/32 | 0.11 | 0.217 ± 0.030 | 0.021 ± 0.006 | 0.027 ± 0.009 | 4.2σ |
| NR prod. of 2π | 24.7/32 | 0.82 | 0.214 ± 0.022 | 0.019 ± 0.004 | 0.025 ± 0.006 | 8.1σ |
| D -wave free | 24.5/31 | 0.79 | 0.210 ± 0.029 | 0.017 ± 0.005 | 0.021 ± 0.007 | 7.8σ |
| D -wave fixed at 4% | 24.5/32 | 0.82 | 0.208 ± 0.023 | 0.018 ± 0.004 | 0.023 ± 0.006 | 7.9σ |
| ρ' | 25.1/32 | 0.80 | 0.209 ± 0.023 | 0.018 ± 0.004 | 0.024 ± 0.006 | 8.1σ |
| $R_{\text{prod}} = 0 \text{ GeV}^{-1}$ | 24.7/32 | 0.82 | 0.209 ± 0.023 | 0.019 ± 0.004 | 0.024 ± 0.006 | 7.9σ |
| $R_{\text{prod}} = 30 \text{ GeV}^{-1}$ | 24.6/32 | 0.82 | 0.229 ± 0.022 | 0.021 ± 0.004 | 0.028 ± 0.006 | 8.7σ |
| $R = 1.3 \text{ GeV}^{-1}$ | 24.7/32 | 0.82 | 0.216 ± 0.022 | 0.020 ± 0.004 | 0.026 ± 0.006 | 8.2σ |
| $R = 1.6 \text{ GeV}^{-1}$ | 24.7/32 | 0.82 | 0.212 ± 0.023 | 0.019 ± 0.004 | 0.025 ± 0.006 | 8.0σ |
| GS model | 24.8/32 | 0.81 | 0.221 ± 0.024 | 0.021 ± 0.005 | 0.028 ± 0.007 | 7.8σ |
| Summary | | | $0.214 \pm 0.023 \pm 0.020$ | $0.019 \pm 0.004 \pm 0.003$ | $0.025 \pm 0.006 \pm 0.005$ | $> 7.1\sigma$ |