

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