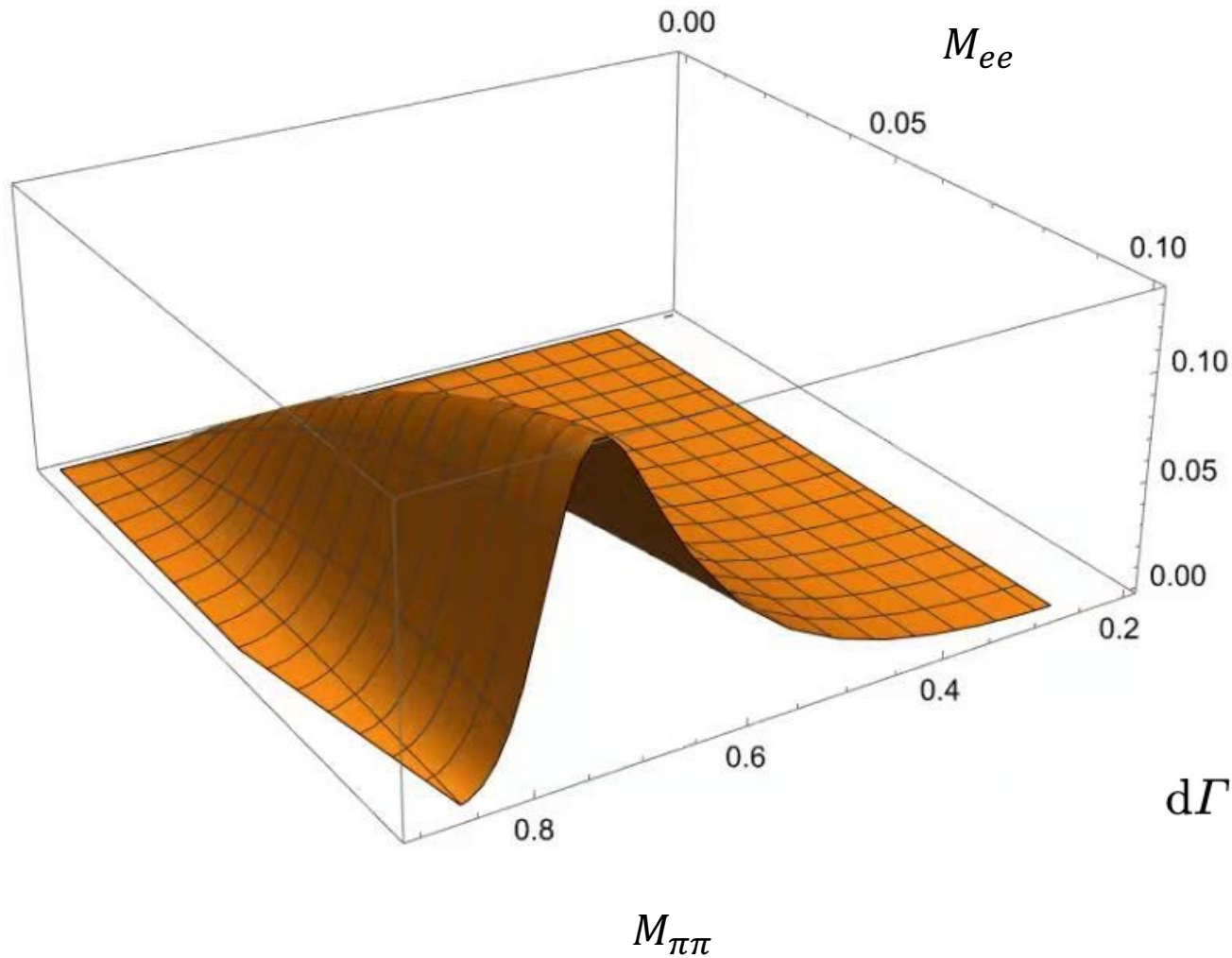


■ 公式曲线



$$\begin{aligned}
 & \overline{|\mathcal{A}_{P \rightarrow \pi^+ \pi^- 1^+ 1^-}|^2}(s_{\pi\pi}, s_{11}, \theta_\pi, \theta_1, \phi) \\
 &= \frac{e^2}{8k^2} |M(s_{\pi\pi}, s_{11})|^2 \times \lambda(m_P^2, s_{\pi\pi}, s_{11}) \\
 & \times [1 - \beta_1^2 \sin^2 \theta_1 \sin^2 \phi] s_{\pi\pi} \beta_\pi^2 \sin^2 \theta_\pi, \quad (3)
 \end{aligned}$$

相对概率

$$\begin{aligned}
 d\Gamma = & \frac{|\mathcal{A}|^2 \beta_k \beta_p \lambda^{1/2}(m_P^2, m_{p+p-}^2, m_{k+k-}^2)}{2^{13} \pi^6 m_P^3} m_{p+p-} \\
 & \times m_{k+k-} dm_{p+p-} dm_{k+k-} d\cos\theta_p d\cos\theta_k d\phi, \quad (16)
 \end{aligned}$$