Erratum: Coupled-Channel Interpretation of the LHCb Double-J/ψ Spectrum and Hints of a New State Near the $J/\psi J/\psi$ Threshold [Phys. Rev. Lett. 126, 132001 (2021)]

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We found typos in Eq. (2) of our recent Letter. The correct expression reads

$$G_i(E) = \frac{1}{16\pi^2}\left\{a(\mu) + \log\frac{m_{i1}^2}{\mu^2} + \frac{m_{i2}^2 - m_{i1}^2 + s}{2s}\log\frac{m_{i2}^2}{m_{i1}^2} + \frac{k}{E}\left[\log\left(2k_iE + s + \Delta_i\right) + \log\left(2k_iE + s - \Delta_i\right) - \log\left(2k_iE - s + \Delta_i\right) - \log\left(2k_iE - s - \Delta_i\right)\right]\right\}, \tag{1}$$

where $s = E^2$, $\Delta_i = m_{i1}^2 - m_{i2}^2$, m_{i1} and m_{i2} are the particle masses in the ith channel, $k_i = \lambda^{1/2}(E^2, m_{i1}^2, m_{i2}^2)/(2E)$ is the corresponding three-momentum with $\lambda(x, y, z) = x^2 + y^2 + z^2 - 2xy - 2yz - 2xz$ for the Källén triangle function, and $a(\mu)$ is a subtraction constant with μ the dimensional regularization scale.

The numerical calculation in our Letter was done with the correct expression. Thus, all results are not affected.

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