Erratum: $X(3872)$ production in high energy heavy ion collisions [Phys. Rev. D **90**, 114023 (2014)]

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While working on a related work, we found an error in our code for the implementation of the amplitude of Eq. (30) of Ref. [1], leading to a different value of the $g_{X\bar{D}^*D^*}$ coupling obtained in Sec. III. C, which is now

$$g_{X\bar{D}^*D^*} \sim 12.5 \pm 1.0.$$

The corrected Figs. 5, 7, 8 and 9 are shown below. As can be seen in the figures, the magnitude related to the cross section of the $\bar{D}^*D^* \rightarrow \pi X$ reaction has increased compared to the one of Ref. [1], which now makes this cross section the biggest one in the energy range studied. However, the conclusions about the relevance of the anomalous contribution of the $X\bar{D}^*\bar{D}^*$ vertex remain the same.

We have also found a typo in Eq. (32): $U_{3b}^{(Q_{1i}, Q_{2i})}$ should be $T_{3b}^{(Q_{1i}, Q_{2i})}$ and $T_{3c}^{(Q_{1i}, Q_{2i})}$ should be $U_{3c}^{(Q_{1i}, Q_{2i})}$.

FIG. 5. Cross section for the reaction $\bar{D}^*D^* \rightarrow \pi X$. The shaded regions have the same meaning as those of Ref. [1].

FIG. 7. Cross section for the reaction $\bar{D}^*D^* \rightarrow \pi X$. The line and the shaded region have the same meaning as those of Ref. [1].

FIG. 8. Comparison of the cross sections for the $\bar{D}D \rightarrow \pi X$ (dashed line), $\bar{D}^*D \rightarrow \pi X$ (dark shaded region) and $\bar{D}^*D^* \rightarrow \pi X$ (light shaded region) processes calculated without form factors.

FIG. 9. Comparison of the cross sections for the $\bar{D}D \rightarrow \pi X$ (dashed line), $\bar{D}^*D \rightarrow \pi X$ (dark shaded region) and $\bar{D}^*D^* \rightarrow \pi X$ (light shaded region) processes calculated with form factors.

[1] A. M. Torres, K. P. Khemchandani, F. S. Navarra, M. Nielsen, and L. M. Abreu, *Phys. Rev. D* **90**, 114023 (2014).