

Erratum: New axion searches at flavor factories

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We correct here a mistake in the numerical prefactor of eq. (2.5) of the paper. That equation should instead read

$$\frac{\text{BR}(\Upsilon \rightarrow \gamma a)}{\text{BR}(\Upsilon \rightarrow \mu \bar{\mu})} \simeq 2E^2 \frac{\alpha_{\text{em}}}{4\pi} \left(\frac{m_{\Upsilon}}{4\pi f} \right)^2 \left(1 - \frac{m_a^2}{m_{\Upsilon}^2} \right)^3, \quad (0.1)$$

i.e. the prefactor is 2 instead of 8, in agreement with reference [54] of the paper. Consequently, figures 1 and 2 in the paper should instead display, respectively, as figures 1 and 2 here (the captions of those figures do not change, nor the bottom plot of figure 2). None of the conclusions of the paper is affected by this mistake.

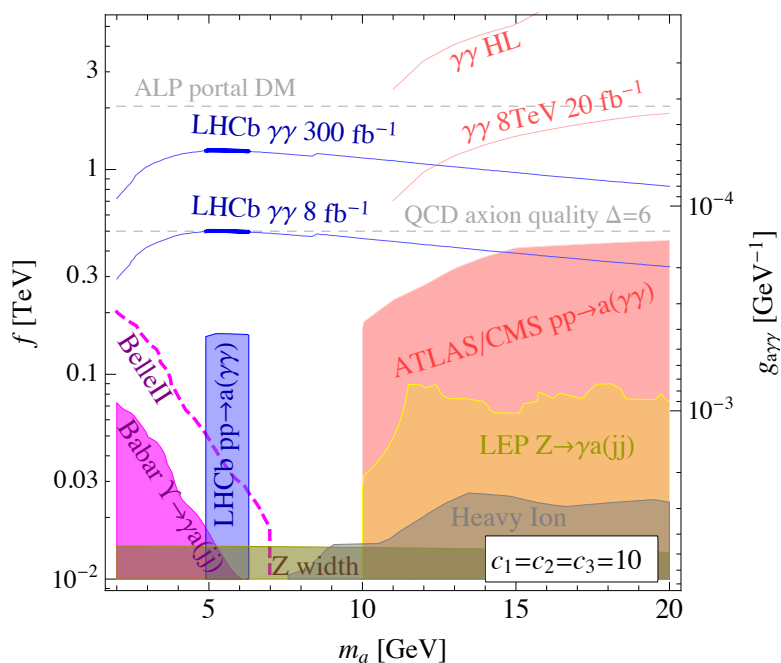


Figure 1.

Acknowledgments

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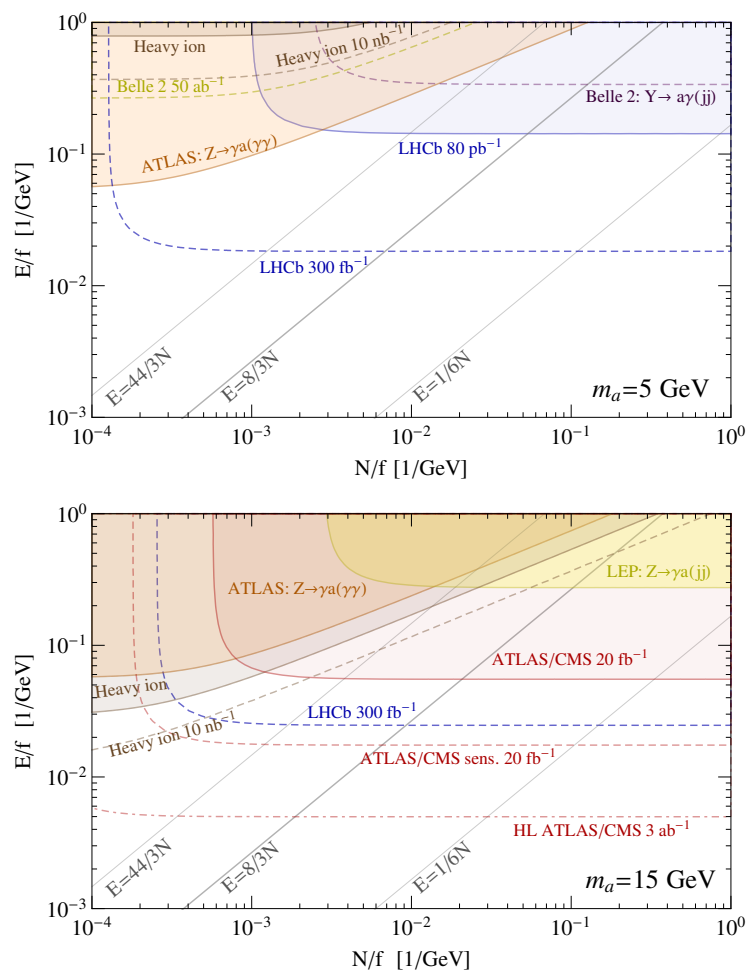


Figure 2.