

Erratum: Searching for Axionlike Particles under Strong Gravitational Lenses [Phys. Rev. Lett. 126, 191102 (2021)]

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The bound on $g_{a\gamma}$ as a function of m_a shown in Fig. 2, calculated using Eq. (4), is found to have a numerical error. When converting the equations in the Heaviside-Lorentz system to physical units, a factor of 2π was missed in the term $\sin[m_a \Delta t/2]$. Here, in Fig. 1, we present the correct bounds. The impact of this error is that the bound on $g_{a\gamma}$ is stronger than that presented in the original Letter. The coupling $g_{a\gamma}$ is constrained to $\leq 6.4 \times 10^{-11}$ to $\leq 5.3 \times 10^{-8} \text{ Ge V}^{-1}$ for axionlike particles mass m_a between 5.1×10^{-21} and $4.6 \times 10^{-18} \text{ eV}$ (95% CL). The conclusions remain unaffected.

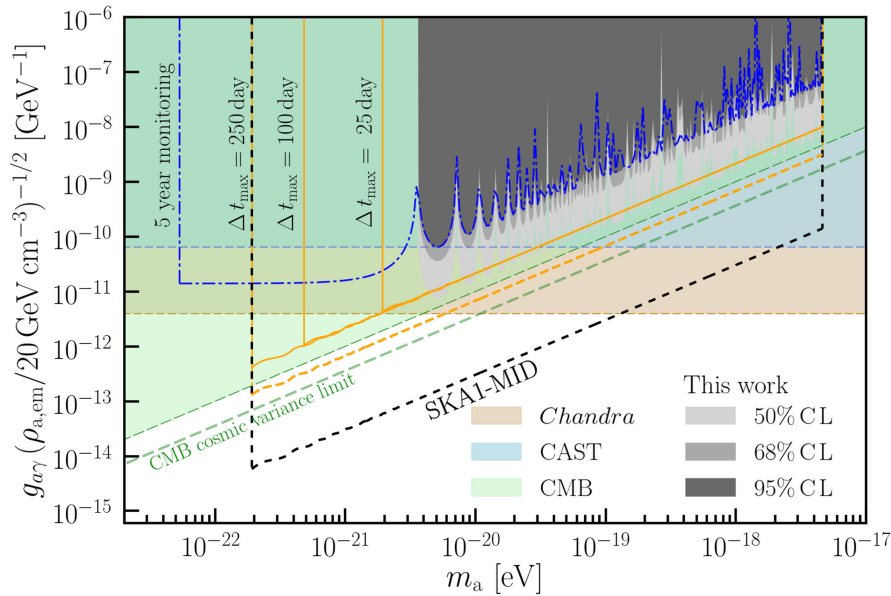


FIG. 1. All lines and shaded regions have the same meaning as those in Fig. 2.