

**Erratum: Bounds on QCD axion mass and primordial magnetic field
from cosmic microwave background μ distortion
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It has come to my attention that there are some inequality typos and numerical errors in the abstract and text that may give a misleading interpretation to the obtained results, especially in connection with the limit on the axion mass. Consequently, in the abstract the following corrections have been made:

- (1) In the line number 4 the corrected limit for the axion mass (by using the upper limit on the magnetic field strength $B \lesssim 3.2$ nG) is $m_a \lesssim 4.8 \times 10^{-5}$ eV.
- (2) In the line number 6 the corrected value obtained for the magnetic field strength in the case of the KSVZ axion model is $B \simeq 46$ nG.
- (3) In the line number 7 the corrected value obtained for the magnetic field strength in the case of the DFSZ axion model is $B \simeq 130$ nG.

The same changes made in the abstract have also been made in the text. Therefore the changes made in the text are as follows:

- (4) On page number 4, first column and line number 25, the corrected value for the limit on the axion mass is $m_a \lesssim 4.8 \times 10^{-5}$ eV.
- (5) On page number 4, second column and last line from the top, the corrected value for the magnetic field strength for the KSVZ axion model is $B \simeq 46$ nG.
- (6) On page number 5, first column and line number 1 the corrected value for the magnetic field strength for the DFSZ axion model is $B \simeq 130$ nG.

The changes made to the numerical values do not affect Figs. 1 and 2 whatsoever.