Erratum to: The minimal axion minimal linear σ model

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In this Erratum we clarify that in contrast to the statements made in the article the bounds on the axion coupling to two W 's and to two Z 's obtained from mono- W and mono- Z searches at the LHC are the following:

$$|g_{aWW}| \lesssim 1.6 \times 10^{-3} \text{ GeV}^{-1}, \quad |g_{aZZ}| \lesssim 8 \times 10^{-4} \text{ GeV}^{-1}.$$

The corresponding limits in terms of f_a/c_i are given by:

$$\frac{f_a}{|c_{aWW}|} \gtrsim 0.7 \text{ GeV}, \quad \frac{f_a}{|c_{aZZ}|} \gtrsim 1.4 \text{ GeV}.$$

This change has interesting phenomenological effects as the scale $f_s \simeq f_a$ can be as low as 1 TeV: this ML σ M ALP

can then be tested both at colliders and at flavour factories. Moreover, this model does not present any fine-tuning.

Finally, a corrected version of the article is also available on the arXiv ([arXiv:1710.10500](https://arxiv.org/abs/1710.10500)).

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