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Erratum: Combined fit of spectrum and composition data as measured by the Pierre Auger Observatory

The Pierre Auger collaboration

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1 Parameters of vertical SD energy bias

In the original article, there were typographical errors in the values of the parameters in eq. (B.5). The correct values are $P_0 = 0.0566$, $P_1 = -0.0720$, $P_2 = 0.0227$.

2 Parameterization of inclined SD energy resolution

The original article incorrectly stated that the folding procedure for the inclined spectrum was fully described in ref. [68], which actually only contains a qualitative discussion. The parameterizations we used for the trigger efficiency $\mathcal{T}$, the energy bias b and the energy resolution σ_E/E were: $\mathcal{T} = 1$; $b = 1$; and

$$\sigma_E/E = \sqrt{\sigma_{\text{det}}^2 + \sigma_{\text{sh}}^2}/c_1, \text{ where } \sigma_{\text{det}} = p_0 + \frac{p_1}{\sqrt{c_0(E/10 \text{ EeV})^{c_1}}}, \quad \sigma_{\text{sh}} = 0.143, \quad (2.1)$$

with $p_0 = 0.03896$, $p_1 = 0.1128$ and $c_0 = 1.746$, $c_1 = 0.9938$.

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