Erratum

On the anomalies in Lorentz-breaking theories

[Int. J. Mod. Phys. A, Vol. 31, No. 12, 1650063 (2016)]

A. P. Baeta Scarpelli

*Centro Federal de Educação Tecnológica – MG,
 Avenida Amazonas, 7675 – 30510-000 – Nova Gameleira – Belo Horizonte – MG, Brazil
 Setor Técnico-Científico – Departamento de Polícia Federal,
 Rua Nascimento Gurgel, 30 – Gutierrez – Belo Horizonte – MG, Brazil
 scarpelli.apbs@dpf.gov.br*

T. Mariz

*Instituto de Física, Universidade Federal de Alagoas,
 57072-270, Maceió, Alagoas, Brazil
 tmariz@fis.ufal.br*

J. R. Nascimento* and A. Yu. Petrov†

*Departamento de Física, Universidade Federal da Paraíba,
 Caixa Postal 5008, 58051-970, João Pessoa, Paraíba, Brazil*

**jroberto@fisica.ufpb.br*

†petrov@fisica.ufpb.br

Received 13 September 2017

Published 20 September 2017

1. The third line above Eq. (14) should be read as:

“The variation of the measure will be obtained by the replacement of $\tilde{F}_{mn}$
 by $\bar{F}_{mn} = \partial_m \bar{A}_n - \partial_n \bar{A}_m$ (...).”

2. Equation (20) should be read as:

$$\delta\mathcal{L} = C \left\{ e^2 \epsilon^{abcd} b_a A_b \partial_c A_d + 2eg_2 \left[b^2 F_{cd} F^{cd} - 2(b_c F^{cd})^2 \right] \right. \\ \left. + 2g_2^2 (b^2 F^{cd} + b_a b^c F^{da}) \epsilon_{dmnp} b^m \partial_c F^{np} \right\}. \quad (20)$$

3. In the third line above Eq. (21) we should have: “(...) and a modified gauge field, $\bar{A}_m = \tilde{A}_m + c_{mn}\tilde{A}^n$ (...).”

None of the conclusions of our paper are changed.

Acknowledgment

The work has been partially supported by CNPq.