

## ERRATUM

# On physics beyond standard model

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In Eq. (1) of the paper, the term  $m_2^2 \text{Re}_{12}$  can be rotated away. As a consequence, the following formula will be changed a little bit by setting  $m_2^2 = 0$ . The interesting reader can visit <http://arxiv.org/abs/arXiv:1211.2370> for the detail. The main conclusion is not alerted.

The online version of the original article can be founded at  
<http://dx.doi.org/10.1007/s11467-013-0382-0>