

DOI: 10.1038/s41467-018-04299-1

OPEN

Publisher Correction: Control of laser plasma accelerated electrons for light sources

T. André^{1,2}, I.A. Andriyash¹, A. Loulergue¹, M. Labat¹, E. Roussel^{1,3}, A. Ghaith^{1,2}, M. Khojayan¹, C. Thaury⁴, M. Valléau¹, F. Briquez¹, F. Marteau¹, K. Tavakoli¹, P. N'Gotta¹, Y. Dietrich¹, G. Lambert⁴, V. Malka^{4,5}, C. Benabderrahmane¹, J. Vétérin¹, L. Chapuis¹, T. El Ajjouri¹, M. Sebdaoui¹, N. Hubert¹, O. Marcouillé¹, P. Berteaud¹, N. Leclercq¹, M. El Ajjouri¹, P. Rommeluère¹, F. Bouvet¹, J.-P. Duval¹, C. Kitegi¹, F. Blache¹, B. Mahieu⁴, S. Corde^{1,4}, J. Gautier⁴, K. Ta Phuoc⁴, J.P. Goddet⁴, A. Lestrade¹, C. Herbeaux¹, C. Évain³, C. Szwaj³, S. Bielawski³, A. Tafzi⁴, P. Rousseau⁴, S. Smartsev^{4,5}, F. Polack¹, D. Denetière¹, C. Bourassin-Bouchet¹, C. De Oliveira¹ & M.-E. Couprie^{1,2}


Correction to: *Nature Communications* <https://doi.org/10.1038/s41467-018-03776-x>; published online: 06 April 2018

The original version of this Article contained an error in the last sentence of the first paragraph of the Introduction and incorrectly read 'A proper electron beam control is one of the main challenges towards the Graal of developing a compact alternative of X-ray free-electron lasers by coupling LWFA giga-electron-volts per centimetre acceleration gradient with undulators in the amplification regime in equation 11, $\mathbf{n}x(\mathbf{n}-\boldsymbol{\beta}) \times \boldsymbol{\beta}$: \mathbf{n} the two times and $\boldsymbol{\beta}$ the two times should be bold since they are vectors in Eq. 12, $\boldsymbol{\beta}$ should be bold as well.'

The correct version is 'A proper electron beam control is one of the main challenges towards the Graal of developing a compact alternative of X-ray free-electron lasers by coupling LWFA giga-electron-volts per centimetre acceleration gradient with undulators in the amplification regime.'

This has been corrected in both the PDF and HTML versions of the Article.

Published online: 02 May 2018

 **Open Access** This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons license, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons license, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons license and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this license, visit <http://creativecommons.org/licenses/by/4.0/>.

© The Author(s) 2018

¹Synchrotron-SOLEIL, L'Orme des Merisiers, Saint-Aubin 91192, France. ²Université Paris-Saclay, Paris 91190, France. ³PhLAM, UMR CNRS 8523, Université Lille 1, Sciences et Technologies, 59655 Villeneuve d'Ascq, France. ⁴LOA, École polytechnique, ENSTA ParisTech, CNRS, Université Paris-Saclay, 828 Bd des Maréchaux, 91762 Palaiseau Cedex, France. ⁵Department of Physics of Complex Systems, Weizmann Institute of Science, Rehovot 761001, Israel. Correspondence and requests for materials should be addressed to M.-E.C. (email: couprie@synchrotron-soleil.fr)