Editorial: Outstanding PRST-AB Articles from 2012

Following the 2010 and 2011 initiative of PRST-AB Editorial Board Member Vladimir Shiltsev, six outstanding PRST-AB papers from the year 2012 have been selected and approved by the PRST-AB Editors with important help from the Editorial Board. The selection criteria included the original referee assessments, the number of citations since publication, and the Editorial Board members' or editors' own impression of a paper's importance. As in the previous two years, the selected PRST-AB articles from 2012 provide a well balanced picture of PRST-AB coverage:

1. A. A. Lutman, Y. Ding, Y. Feng, Z. Huang, M. Messerschmidt, J. Wu, and J. Krzywinski, Femtosecond x-ray free electron laser pulse duration measurement from spectral correlation function, *Phys. Rev. ST Accel. Beams* **15**, 030705 (2012).
2. P. N. Ostroumov *et al.*, Development and beam test of a continuous wave radio frequency quadrupole accelerator, *Phys. Rev. ST Accel. Beams* **15**, 110101 (2012).
3. S. Kneip *et al.*, Characterization of transverse beam emittance of electrons from a laser-plasma wakefield accelerator in the bubble regime using betatron x-ray radiation, *Phys. Rev. ST Accel. Beams* **15**, 021302 (2012).
4. H. Imao *et al.*, Charge stripping of ^{238}U ion beam by helium gas stripper, *Phys. Rev. ST Accel. Beams* **15**, 123501 (2012).
5. N. Kuroda *et al.*, Development of a monoenergetic ultraslow antiproton beam source for high-precision investigation, *Phys. Rev. ST Accel. Beams* **15**, 024702 (2012).
6. Yunhai Cai, Karl Bane, Robert Hettel, Yuri Nosochkov, Min-Huey Wang, and Michael Borland, Ultimate storage ring based on fourth-order geometric achromats, *Phys. Rev. ST Accel. Beams* **15**, 054002 (2012).

This identification of six key articles from 2012 represents another step towards bringing important papers to the attention of our readers.

Since January 2013, a small number of papers published in PRST-AB that the editors and referees find of particular interest, importance, or clarity are marked as [PRST-AB Editors' Suggestions](#) at the moment of publication.

Frank Zimmermann
Editor

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