

**DEUTSCHES ELEKTRONEN-SYNCHROTRON**  
**Ein Forschungszentrum der Helmholtz-Gemeinschaft**



DESY 15-213  
Edinburgh 2015/24  
LTH 1064  
ADP-15-44/T946  
arXiv:1511.05304  
November 2015

## **Improving the Lattice Axial Vector Current**

R. Horsley

*School of Physics and Astronomy, University of Edinburgh, UK*

Y. Nakamura

*RIKEN Advanced Institute for Computational Science, Kobe, Japan*

H. Perlt, A. Schiller

*Institut für Theoretische Physik, Universität Leipzig,*

P. E. L. Rakow

*Theoretical Physics Division, Department of Mathematical Sciences,  
University of Liverpool, UK*

G. Schierholz

*Deutsches Elektronen-Synchrotron DESY, Hamburg*

J. M. Zanotti

*CSSM, Department of Physics, University of Adelaide, Australia*

*ISSN 0418-9833*

**NOTKESTRASSE 85 - 22607 HAMBURG**