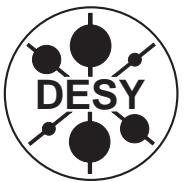


**DEUTSCHES ELEKTRONEN-SYNCHROTRON**  
Ein Forschungszentrum der Helmholtz-Gemeinschaft



DESY 16-196  
arXiv:1607.00320  
December 2016

## Probing Intergalactic Magnetic Fields with Simulations of Electromagnetic Cascades

R. Alves Batista

*Department of Physics and Astrophysics, University of Oxford, UK*

A. Saveliev

*II. Institut für Theoretische Physik, Universität Hamburg*

*and*

*Russian Academy of Sciences, Keldysh Institute of Applied Mathematics,  
Moscow, Russian Federation*

G. Sigl

*II. Institut für Theoretische Physik, Universität Hamburg*

T. Vachaspati

*Department of Physics, Arizona State University, Tempe, USA*

ISSN 0418-9833

**NOTKESTRASSE 85 - 22607 HAMBURG**