

DEUTSCHES ELEKTRONEN-SYNCHROTRON
Ein Forschungszentrum der Helmholtz-Gemeinschaft



DESY 11-163
DCPT/11/110
IPPP/11/55
arXiv:1110.2180
October 2011

**Prospects for Searching
Axion-Like Particle Dark Matter with
Dipole, Toroidal and Wiggler Magnets**

O. K. Baker

Department of Physics, Yale University, New Haven, USA

M. Betz, F. Caspers

CERN, Geneva, Switzerland

J. Jaeckel

Institute for Particle Physics Phenomenology, Durham, UK

A. Lindner, A. Ringwald

Deutsches Elektronen-Synchrotron DESY, Hamburg

Y. Semertzidis

Brookhaven National Laboratory, Upton, USA

P. Sikivie

Department of Physics, University of Florida, Gainesville, USA

K. Zioutas

University of Patras, Patras, Greece

ISSN 0418-9833

NOTKESTRASSE 85 - 22607 HAMBURG