

Refereed Journal Articles

A Measurement of the Cosmic Microwave Background B-Mode Polarization Power Spectrum at Sub-Degree Scales with POLARBEAR, POLARBEAR Collaboration - ApJ, **794**, 171 (2014)

Measurement of the Cosmic Microwave Background Polarization Lensing Power Spectrum with the POLARBEAR experiment, POLARBEAR Collaboration - Phys. Rev. Lett. **113**, 021301 (2014)

Evidence for Gravitational Lensing of the Cosmic Microwave Background Polarization from Cross-correlation with the Cosmic Infrared Background, POLARBEAR Collaboration - Phys. Rev. Lett. **112**, 131302 (2014)

Conference Proceedings

POLARBEAR experiment : Data analysis of the first season, J. Peloton et al. - The proceedings of the 49th Rencontres de Moriond (2014)

The POLARBEAR experiment : Results from the first observational campaign and prospects, G. Fabbian et al. - The proceedings of the 49th Rencontres de Moriond (2014)

The POLARBEAR cosmic microwave background polarization experiment, D. Barron et al. - J. Low Temperature Physics, 2014

POLARBEAR CMB Polarization Experiment, H. Nishino et al. - JPS Conf. Proc. 1, 013107 (2014)

The SIMONS ARRAY : expanding POLARBEAR to three multi-chroic telescopes, Arnold, K. et al. - Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, **9153** (2014)

Thermal and optical characterization for POLARBEAR-2 optical system, Inoue, Y. et al. - Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, **9153** (2014)

Development and characterization of the readout system for POLARBEAR-2, Barron, D. et al. - Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, **9153** (2014)

In preparation

Detecting the tensor-to-scalar ratio with the pure pseudospectrum reconstruction of B-mode, A. Ferte, J. Peloton, J. Grain and R. Stompor, *in prep.*