

Physics

Session **P**

Room: B122 Gates Annex

1:20 - 1:40 PM	Stavros Klaoudatos	On-shell constraints and the emergence of supersymmetry	Nima Arkani-Hamed <i>Gopal Prasad Professor of Physics, Princeton/IAS</i> Maria Spiropulu <i>Shang-Yi Ch'en Professor of Physics</i>
1:40 - 2:00 PM	Giulia Murgia <i>David L. Goodstein SURF Fellow</i>	Mapping emission features of the interstellar medium with SPHEREx	James J. Bock <i>Marvin L. Goldberger Professor of Physics; Senior Research Scientist, JPL</i> Ari J. Cukierman <i>Postdoctoral Scholar Research Associate in Physics</i>
2:00 - 2:20 PM	Saina Nikmehr	Improving boresight pointing of the BICEP/Keck telescopes with CMB data	James J. Bock <i>Marvin L. Goldberger Professor of Physics; Senior Research Scientist, JPL</i> Kenny Lau <i>Postdoctoral Scholar Research Associate in Physics</i>
2:20 - 2:40 PM	Yingxiao Liao	Laser diode floating zone (LDFZ) growth and characterization of ultrahigh-purity crystals for skyrmion qubits	Xuemei Cheng <i>Assistant Professor of Physics, Bryn Mawr College</i> Stevan Nadj-Perge <i>Professor of Applied Physics and Materials Science</i>
2:40 - 3:00 PM	Dylan Perez <i>Timothy Ryan SURF Fellow</i>	Constraining the axion-proton coupling with AGN	Gian F. Giudice <i>Theoretical Physicist, CERN</i> Sokratis Trifinopoulos <i>Theoretical Physicist, CERN</i> Elias R. Most <i>Assistant Professor of Theoretical Astrophysics</i>
3:00 - 3:10 PM	BREAK		
3:10 - 3:30 PM	Ai-Dan Le	GR modeling in the search for dark companions in "isolated" pulsar timing anomalies	Susan V. Gardner <i>Arts & Sciences Endowed Professor of Physics, University of Kentucky</i>

3:30 - 3:50 PM	<i>Sage H. Stanton</i>	Analyzing pulsar anomalies for compact binary searches	Susan V. Gardner <i>Arts & Sciences Endowed Professor of Physics, University of Kentucky</i> Nick R. Hutzler <i>Assistant Professor of Physics</i>
3:50 - 4:10 PM	<i>Sophie A. Mobley</i>	Estimating magnetic braking in individual millisecond pulsars to describe local galactic acceleration	Susan V. Gardner <i>Arts & Sciences Endowed Professor of Physics, University of Kentucky</i> Nick R. Hutzler <i>Assistant Professor of Physics</i>
4:10 - 4:30 PM	<i>Avinash Vadali</i> <i>Bill Davis SURF Fellow</i>	Beyond-Landau phase transitions in D4 non-Abelian topological order	Jason F. Alicea <i>William K. Davis Professor of Theoretical Physics</i> Pablo Sala <i>Sherman Fairchild Postdoctoral Scholar Research Associate in Theoretical Physics</i>