

Physics

Session **U**

Room: 269 Lauritsen

1:20 - 1:40 PM	Ajla Trumic University of California, Berkeley <i>BaBar SURF Fellow</i>	Machine learning-driven waveform reconstruction and split-off recovery for the Mu2e electromagnetic calorimeter	Bertrand Echenard <i>Research Professor of High Energy Physics</i> David G. Hitlin <i>Professor of Physics</i>
1:40 - 2:00 PM	Jinbo Zhang University of California, Irvine	Timing information for background rejection in a muon missing-momentum search	Bertrand Echenard <i>Research Professor of High Energy Physics</i> David G. Hitlin <i>Professor of Physics</i>
2:00 - 2:20 PM	Clayton G. Bishop Southern Illinois University of Edwardsville <i>WAVE Fellow</i>	Performance evaluation of a Kinetic Inductance Traveling Wave Parametric Amplifier	Sunil Golwala <i>Professor of Physics</i>
2:20 - 2:40 PM	Ian J. Chang Princeton University <i>VURP Fellow</i>	Confirming functionality of a single pixel bolometer for use in shearing interferometry	Sunil Golwala <i>Professor of Physics</i>
2:40 - 2:50 PM	BREAK		
2:50 - 3:10 PM	Ron A. Freeman Caltech <i>Taylor Lawrence SURF Research Fellow</i>	Improving the sensitivity of NEMS resonators for mass and optical sensing	Michael L. Roukes <i>Frank J. Roshek Professor of Physics, Applied Physics, and Bioengineering</i>
3:10 - 3:30 PM	Alice T. Wang University of Chicago <i>Southern California Edison WAVE Fellow</i>	Engineering explosive synchronization in an 8-node NEMS oscillator network	Michael L. Roukes <i>Frank J. Roshek Professor of Physics, Applied Physics, and Bioengineering</i> Scott T. Habermehl <i>Postdoctoral Scholar Research Associate in Applied Physics</i>
3:30 - 3:50 PM	Cecilia I. Moxley Caltech <i>Carl F. Braun SURF Fellow</i>	Study of signal response of SMSPDs exposed to high energy ionizing radiation	Maria Spiropulu <i>Shang-Yi Ch'en Professor of Physics</i> Soham Bhattacharya <i>Postdoctoral Scholar Research Associate in Physics</i>
3:50 - 4:10 PM	Elizabeth C. Ellison Caltech <i>Victor Neher SURF Fellow</i>	High-dimensional communication via continuous wave lasers	Maria Spiropulu <i>Shang-Yi Ch'en Professor of Physics</i> Raju Valivarthi <i>Research Scientist in Quantum Science and Technology</i>
4:10 - 4:30 PM	Raghava K. Kalidindi University of Maryland, College Park	Long-distance time-bin entanglement distribution using dispersion compensation	Maria Spiropulu <i>Shang-Yi Ch'en Professor of Physics</i> Raju Valivarthi <i>Research Scientist in Quantum Science and Technology</i>