

Physics

Session **T**

Room: 125 Baxter

1:20 - 1:40 PM	Bo-Syun Pan National Taiwan University <i>BaBar SURF Fellow</i>	Sample-optimal Gaussian-state tomography with single-copy nonadaptive Gaussian measurements	John P. Preskill <i>Richard P. Feynman Professor of Theoretical Physics</i> Senrui Chen <i>IQIM Postdoctoral Scholar</i> <i>Research Associate in Theoretical Physics</i>
1:40 - 2:00 PM	Nyan A. Sharma University of California, San Diego	Time estimation in chaotic quantum systems	John P. Preskill <i>Richard P. Feynman Professor of Theoretical Physics</i> Shreya Vardhan <i>IQIM Postdoctoral Scholar</i> <i>Research Associate in Theoretical Physics</i>
2:00 - 2:20 PM	Myeongjin Shin Korea Advanced Institute of Science and Technology <i>VURP Fellow</i>	Certifying and learning Hamiltonians with single-qubit gates	John P. Preskill <i>Richard P. Feynman Professor of Theoretical Physics</i> Yu Tong
2:20 - 2:40 PM	Liliana L. Martin California Polytechnic State University, San Luis Obispo <i>Carl F. Braun WAVE Fellow</i>	Development of calibration sources and data acquisition software for hyperfine spectroscopy	Nick R. Hutzler <i>Professor of Physics</i> Madison Howard <i>Graduate Student in Physics</i> Roy Ready <i>Physics Teaching Laboratory Manager and Instructor</i>
2:40 - 2:50 PM	BREAK		
2:50 - 3:10 PM	Jiri Kataman-Kustwan University of Illinois Urbana-Champaign <i>KNI SURF-the-WAVE Prize Fellow</i>	Strain-engineering of MoS ₂ /graphene/metal heterostructures	Nai-Chang Yeh <i>Thomas W. Hogan Professor of Physics</i> Jen-Te Chang <i>Graduate Student in Physics</i> Wen-Hao Chang <i>Postdoctoral Scholar Fellowship Trainee in Physics</i>
3:10 - 3:30 PM	Cheng-Hsun Yang National Taiwan University <i>BaBar SURF Fellow</i>	Integration of PL spectroscopy and twisted light-assisted STM for nanoscale exciton research on ML-MoS ₂	Nai-Chang Yeh <i>Thomas W. Hogan Professor of Physics</i> Jen-Te Chang <i>Graduate Student in Physics</i>
3:30 - 3:50 PM	Tzu-Ning Yen National Tsing Hua University <i>BaBar SURF Fellow</i>	Direct growth of graphene on nanopatterned substrates for clean 2D heterostructure fabrication	Nai-Chang Yeh <i>Thomas W. Hogan Professor of Physics</i> Jen-Te Chang <i>Graduate Student in Physics</i>
3:50 - 4:10 PM	Thirtha Karmakar Truman State University	How well and how soon can LISA localize EMRIs on the sky? Parameter estimation within the global fit	Katerina Chatziioannou <i>Professor of Physics; William H. Hurt Scholar</i> Michael Katz