



## PhysicsFest'21 Undergraduate Lightning Talk competition

### Schedule

Time	Name	Title
12:30 PM	Luke Mrini	Stochastic Emergent Quantum Gravity
12:38 PM	Qian Niu	Nonlocal Lorentz-violating Modification of QED
12:46 PM	Sindu Shanmugasadas	On-Demand Current Pulse Activation of RF Monopole Antenna Biosensor Arrays with Nitrocellulose Membranes
12:54 PM	Mikayla Huffman	Inferring the CO <sub>2</sub> Abundance of Comets using [OI] Observations
1:26 PM	Caitlin Dolt	The Classics of Classical Mechanics
1:10 PM	Balin Armstrong	Google Colaboratory for Partial Wave Analysis
1:18 PM	Kerry Wang	Development of software for ultracold atom interferometry
1:02 PM	Reehan Siraj	Diagnosing Magnetic Reconnection in Simulations of Tokamak Scrape-off Layer Turbulence
1:34 PM	Sofia Brown	Optofluidic Non-Contact Cell Characterization platform For Early-Stage Cancer Detection
1:42 PM	Jiahui Li	Detection of Circulating Tumor Cells in Blood by Microfluidic Channels
1:50 PM	Cordelia Li	Image Recognition in Quantum Computing
1:58 PM	Michael Parker	Pressure and Temperature Broadening of Alkali Linewidths in Helium
2:06 PM	Jude Bedessem	Supermaxwell Supersymmetries, 0-brane Reductions and Adinkras

Competition judges: Justin Stevens, Enrico Rossi, Keith Griffioen, Eugeny Mikhailov

Location: Small 111