Summer Workshop Quick Look

9:00-10:15 am, Monday, August 12, 2019
NSSB Auditorium
Posters and Refreshments Following

**Gas-Dust Interactions**
Jordan (JT) Laune and Cody Meng
U. Chicago and Rice University
*Hui Li and Shengtai Li, mentors*

**Planetary Impact Chemistry**
Sahil Hegde and Lisa Lin
Columbia U. and U. Chicago
*Scott Elliott, Chris Fryer, and Cathy Plesko, mentors*

**High Speed Jets**
John Alberse and Adam Biewer
U. Oklahoma and Carthage College
*John Grove and Roseanne Cheng, mentors*

**Extreme Molecular Physics and EOS**
Devon (Keith) Coffman and John Freiberg
Georgia Tech and Oberlin College
*Chris Ticknor and Jeffery Leiding, mentors*

**Dense Plasma Line Shapes**
Chase Hanson and Michael Laraia
Arizona State U. and U. of Minnesota
*Charlie Starrett, David Kilcrease, and Nathaniel Shaffer, mentors*

**Numerical Integration of Non-Functions**
Ben Hellwig and Dorianis Perez
Washington State U. and Florida State U.
*Jesse Canfield and Susan Kurien, mentors*

**Quantum Simulations for Advanced EOS**
Harry Chalfin and Amanda Nemeth
Brown U. and Bowling Green State U.
*Joshua Coe and Carl Greeff, mentors*

**Optical Potentials**
Cameron Parker and Stefano Pineda
U. Oklahoma and U.S. Naval Academy
*Amy Lovell, Ionel Stetcu, and Patrick Talou, mentors*

**Multimaterial Closure Models**
Christopher Coffelt and Conant (Raj) Kumar
Georgia Tech and Brown University
*Miles Buechler, mentor*

**Variance Reduction at Scale**
Scott Campbell
Gonzaga University
*Matt Cleveland, Kendra Long, and Ryan Wollaeger, mentors*

**Super Time Stepping**
Torrey Saxton and Tim Skaras
Illinois State U. and Rice University
*Tariq Aslam and Chad Meyer, mentors*

**Machine Learning**
Bryce Fore and Sonali Joshi
U. Washington and U. Central Florida
*Garry Maskaly and Saryu Fensin, mentors*