



Newton-Bhaba Theory & Simulation Workshop 2017

Lightning Round - APL Robinson

Interests

- Fast Electron Transport
- ICF and Fast Ignition
- Direct Laser Acceleration
- Microphysics of Dense plasmas
- Ion Acceleration



Proposed Project

Aim : Re-evaluate stopping of fast electrons in compressed fusion fuel.

Motivation : Critical for the prospects of Fast Ignition ICF, but also important for Shock Ignition.

Method : Need to look at all aspects - collisional stopping theory, collective stopping theory, role of microinstabilities, and others...

