

# PhysicsFest 2013

## Undergraduate poster session

*October 26, 10-11.30am, Small Hall library*

1. Eve Chase	Clump Accretion in Supergiant Fast X-Ray Transients
2. Tim Milbourne	An Alternative Optical System for the Motional Stark Effect (MSE) Diagnostic
3. Rachel Taverner	Track reconstruction and determination of kinematic parameters for the Qweak experiment
4. Nick Penthorn	Designing a Polarized Helium-3 Experiment to Isolate $\kappa_0$
5. Rachel Hydman	Modeling RF Emissions from Particle Showers in Dense Mediums
6. Elana Urbach	Progress Towards the Creation of Rubidium-85 Feshbach Molecules
7. Arlo Hollingshad	Spectroscopic Ellipsometry and Cryogenic Capability
8. Joshua Hill	Construction and Testing of Data Acquisition Components for the Hall A Compton Polarimeter
9. Anuraag Sensharma	Developing dark-ground imaging on an atom chip
10. Will Bergen	Design of a Silicon on Insulator (SOI) Pixel Detector Using a Charge Sluice
11. Austin Milby (TNCC)	Development of GRINCH Cherenkov Detector

## Poster competition judges

Enrico Rossi

Marc Sher

Elena Kuchina (TNCC)