

Physics REU Projects

College of William and Mary

2009

Shermane M. Benjamin Mentor: S. Pagola *Solid State Synthesis and Characterization of Donor-Acceptor Compounds*

Stefanie Cumberledge Mentor: S. Pagola *Formation of Charge Transfer Salts by Solid State Grinding*

Jeffrey S. Eldred Mentor I. B. Novikova :*Measuring Polarization Rotation to study Spin-exchange Collisions*

Patrick W. Gaskill and Joseph D. Shammass Mentor: J. Erlich *Allowing for a Complex Background Field in AdS/QCD*

Kasie J. Haga Mentor: Todd Averett, *Precision Characterization of Helium-3 Polarized Target Cells Using Electron Paramagnetic Resonance*

Sean Litsey Mentor: M.Sher *Higgs Masses in the Four Generation MSSM*

Amanda Madden Mentor:S. Aubin *Theoretical Calculation of the Anapole Moment of ^{39}K and ^{41}K*

Lke Paradis Mentor: S. Aubin *Modification of an Agile Radio Frequency Source for Production and Manipulation of Ultra Cold Atoms*

Chris Pelliccione Mentor: Sandeep Lakhera and G. Lüpke *Time Resolved Magneto-Optical Imaging of Pure and Pinned $\text{YBa}_2\text{Cu}_3\text{O}_7$ with Applied AC Current*

Lloyd Joseph Snow Mentor: D. Armstrong *Some Analysis of Vertical Drift Chamber Data Using ROOT*

Benjamin Sofka Mentor: S. Aubin *Sequencer and LIAD tests for BEC*

Paul L. Stubbs Mentor: R. Wincheski *Eddy Current Testing for the Detection of Cracks Near Fasteners in Cessna Aircraft*

Ryan Zielinski Mentor: D. Armstrong *Testing Q_{weak} 's Multiplexing Electronics*