



Undergraduate Research Opportunity

Title of Project/Opportunity: Experimental and Numerical Modeling
of Complex Plasmas

Type of Project: Experimental Theoretical Computational

Field of Physics: Astrophysical and Laboratory Complex Plasmas

Term of Research Opportunity: Fall Semester Spring Semester
Summer Academic Year Project

Type of Research Opportunity:

Fixed Term Ongoing REU 1V95 4195/4196

Compensation for Research Opportunity: Summer Support Negotiable
Hourly (Rate:) Academic Credit Experience

Minimum Physics Background:

None General Physics Sophomore Physics Jr./Sr. Physics

Preferred Mathematical Background:

None Calculus sequence Diff. Eq. Courses Jr./Sr. Math

Preferred Computer Background:

None Familiarity with Computers Prior language programming

Other Preferred/Required Skills: _____

Brief Description of Research Opportunity: Numerous projects including modeling charging of fractal dust aggregates, coagulation of fractal aggregates, dynamics in planetary rings, combined numerical/experimental projects with laboratory dusty plasmas, hypervelocity impacts. See www.baylor.edu/CASPER/index.php?id=21922

For more information contact: Name: Lorin Matthews
Office: BSB E.314 Phone: 710-2279
Email: Lorin_Matthews@baylor.edu