

Abstract Submitted  
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**Undergraduate Student Involvement in International Research – The IRES Program at MAX-lab, Sweden**<sup>1</sup> WILLIAM BRISCOE, The George Washington University, GRANT O’RIELLY, University of Massachusetts Dartmouth, KEVIN FISSUM, Lund University — Undergraduate students associated with The George Washington University and UMass Dartmouth have had the opportunity to participate in nuclear physics research as a part of the PIONS@MAXLAB Collaboration performing experiments at MAX-lab at Lund University in Sweden. This project has supported thirteen undergraduate students during 2009 – 2011. The student researchers are involved with all aspects of the experiments performed at the laboratory, from set-up to analysis and presentation at national conferences. These experiments investigate the dynamics responsible for the internal structure of the nucleon through the study of pion photoproduction off the nucleon and high-energy Compton scattering. Along with the US and Swedish project leaders, members of the collaboration (from four different countries) have contributed to the training and mentoring of these students. This program provides students with international research experiences that prepare them to operate successfully in a global environment and encourages them to stay in areas of science, technology, engineering and math (STEM) that are crucial for our modern, technology-dependent society. We will present the history, goals and outcomes in both physics results and student success that have come from this program.

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