

Michael Abramczyk

“Michael”



Graduate Institution: Columbia University

Location: New York, NY

Graduate Discipline: High Energy Physics

Hometown: Shelton, CT

Research Interests:

My primary research interest is in the calculation of fundamental properties of matter from first principles, particularly calculations involving quantum chromodynamics through the use of lattice gauge theory. Because these are computationally intensive problems, I am also interested in the development and improvement of efficient algorithms and data analysis techniques for physics and in general.

About me:

As an undergraduate I was active in the University of Connecticut chapter of Sigma Pi Sigma, attending the 2008 Quadrennial Congress at Fermilab and serving as the chapter's vice president for the 2009-2010 academic year. In the future I hope to be involved with physicists at the undergraduate and graduate levels as well as with collaborators and people from other fields.

As a graduate student and DOE SCGF Fellow I hope to continue to learn about the important problems in the frontiers of physics and science and to contribute to their solution. After obtaining my PhD I hope to continue on in a research career. Beyond physics, I enjoy learning in just about any form and am an avid reader. I am also an alumnus of the National Youth Science Camp.



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