

Laura Byrum Patel



Graduate Institution: Georgia State University

Location: Atlanta, GA

Graduate Discipline: Nuclear Physics

Hometown: Alpharetta, GA

Research Interests:

Laura is currently working on the PHENIX experiment at Relativistic Heavy Ion Collider at Brookhaven National Laboratory studying the properties of quark-gluon plasma. Her research focuses on reconstructing the dimuon continuum in the mass range between the J/ψ and Y resonances.

Previously she worked on optoelectronics research studying the characterization of III-V semiconductor devices, specifically GaN/AlGaN UV/IR dual-band detector structures. The results from her work in optoelectronics have been published in the Journal of Applied Physics and SPIE conference proceedings.

About me:

Laura received a Bachelor of Science degree in Physics from Georgia State University (GSU) in 2007 and a Master of Science in the field of solid state physics from GSU in 2009. She was awarded a Fellowship through the Molecular Basis of Disease interdisciplinary program at GSU during the 2008-2009 school year.

Laura served on the GSU Student Technology Fee Committee for the 2009-2010 school year and will be a member of the GSU College of Arts and Science Graduate Council for the 2010-2011 school year. She has also served as the President for the Physics Graduate Student Association.

Laura has taught laboratory courses for both algebra-based and calculus-based introductory physics.

She is actively involved in community outreach activities, including the regional Science Olympiad for middle school students and helped organize Fun Physics Days summer camp for local area high school students. In her free time Laura enjoys traveling, mountain biking, backpacking, and spending time with friends and family.



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