

Teeba Rashid

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Personal Details

Father's Name: Rashid Hussain
Husband's Name: Saad Abdus Salam
Nationality: Pakistani
Religion: Islam

Qualification

Ph.D. in Physics
(2007-2013)

University at Albany, State University of New York, Albany, NY, USA.

Academics

- Ph.D. (2007-2013) from University at Albany, State University of New York, NY, USA.
- M.Phil from Centre for High Energy Physics, University of the Punjab, secured A grade.
- M.Sc from Physics Department, University of the Punjab, Lahore, 1999, secured A grade.
- B.Sc. (Double Maths, Physics) from Lahore College of Women, 1997, secured 1st Division , awarded with Roll of Honor.
- F.Sc (Pe Engineering) from Lahore College of Women,Lahore,1995, secured A grade.
- Matric (Science) from Govt. Comprehensive Girls High School,1993, secured A grade.

Teaching Experience

- **Serving as Assistant Professor** (BS-19) at Center for High Energy Physics, University of the Punjab Lahore from January 24th, 2014 onwards.
- **Served as Lecturer** (BS-18) at Center for High Energy Physics, University of the Punjab Lahore from June 16, 2004 to January 24, 2014. (was on study leave for Ph.D. from August 2007- January 23, 2014)

➤ Subjects Taught

- Differential Calculus
- Analytical Geometry and Integral Calculus
- Differential Equations
- Mathematical Methods of Physics
- Electromagnetic Theory
- Waves and Optics
- Quantum Mechanics
- Quantum Field Theory
- General Physics (Halliday, Resnick level- Volume 2)

- **Served as Lecturer** (BS-17) Physics in Federal Government Degree College for Women, Kharian Cantt. from October 30, 2003 to June 15, 2004 (Appointed on the recommendation of Federal Public Service Commission).
- Served as Lecturer Physics (On contract Basis) at Department of Physics, University of the Punjab, Lahore from August 9, 2001 to August 08, 2002.

➤ Subjects Taught

- Mathematical Methods of Physics
- Particle Physics
- Served as Lecturer Physics at Punjab College of Information Technology, Punjab Group of Colleges, University of the Central Punjab from August 01, 2000 to August 08, 2001.

Research Experience

My Ph.D. research work relates to analyzing data that comes out of ATLAS detector due to proton-proton collisions at Large Hadron Collider which is located at CERN, Geneva, Switzerland.

Ph.D. Thesis Title

Measurement of Top Anti-Top Quark Pair production Cross-section in the tau + Jets Channel at centre of mass energy = 7 TeV with ATLAS detector.

Service Work

During Ph.D. studies I have also served for ATLAS service work. Contributed in eight hour shifts for Atlas Distributed Computing Operations Shifts.

M.Phil Thesis Title

Structure of Baryons and Mesons

Conference/Symposium/Workshop/School Attended

- 41st International Nathiagalli Summer College on Physics (2016). Attended as a participant
- Participated as an Invited Speaker In 7th International Meeting on Particle and Fields 2015 organized by Centre for High Energy Physics, University of the Punjab.
- Participated as an Invited Speaker in International Scientific Spring – 2015 jointly organized by National Centre for Physics and The Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy.
- Symposium on Theoretical High Energy Physics and Cosmology (THEPC) at National Centre for Physics, December 19-20, 2014. Attended as a participant.
- International Centre for Theoretical Physics (ICTP) - National Centre of Physics (NCP) School on LHC Physics. Attended as a Speaker.
- American Physical Society Meeting 2013, April 13-16, 2013. Presented.
- US ATLAS Workshop at Brookhaven National lab (BNL) July 2010. Attended
- 10th National Symposium on Physics at Govt. College University 2005. Attended.
- 30th International Nathiagalli Summer College on Physics (2005). Attended as a participant

Research Supervision

Project Advisor B.S (4 year) / M.Sc (2 year) Program

1)-Exoplanets: Characteristics and Detection Methods

Rabia Khalid (06BE11), Unsa Zaheer (34BE11), Hira Shahnawaz (36BE11),

Qandeel Aqsa (37BE11)

2)- Material Dispersion and Propagation Modes in waveguides

Umer Farooq (13BM12), Sidra Ashaf (15BM12)

Research Co-Advisor in M.Phil Program

1)-Binish Batool (2013-2015), Fake Rate Estimation of Production Cross-Section of Single Top Quark in Association with Z boson.

2)-Haseeb Ahmad (2014-2016), Measurement of Ionization Energy Loss in Silicon Tracker using CMS Data.

3)-Priya Sajjid Hussain (2014-2015), Measurement of Identification of efficiency of Electrons and Muons in three lepton final state using CMS Data at 13 TeV.

Training Programs

- Indigenous On-Campus Training Program, University of Punjab in Collaboration with Higher Education Commission, December 22-26, 2014.
- 6th HRDC (Human Resource Development Centre) National Faculty Development Program September 2004 - 1^{0th} September 2004.

Co-Curricular Activities

- Actively participated in Poem Recitation, Comparing in student life.
- Secured 2nd Position in Urdu Debate arranged by Physics Department, University of the Punjab.

References

1. Dr. Mujahid Kamran
Vice Chancellor
University of the Punjab,
Lahore, Punjab, Pakistan.
2. Dr. Bilal Masud
Director
Centre for High Energy Physics
University of the Punjab
Lahore
3. Dr. Sajjad Alam
Professor
Physics Department
University at Albany, State University of New York, USA.
4. Dr. Patrick Skubic
Professor
Department of Physics and Astronomy
The University of Oklahoma
Norman, Oklahoma, USA.
5. Dr. Carolyn MacDonald
Professor
Physics Department,
University at Albany, State University of New York, USA.