

Welcome to KFUPM

Dr. Wasikul Islam

Assistant Professor

Department of Physics

Affiliated with Interdisciplinary Research Center for Industrial Nuclear Energy



Education:

PhD. in Physics from Oklahoma State University, Stillwater, USA; 2021

Previous Institution:

University of Wisconsin - Madison, USA; Scientist; 2024 - 2026

Research Profile (SCOPUS):

Total Citations: **27,573**

Total Journal Publications: **682**

H-index: **83**

Professional Interests:

Experimental Particle Physics, LHC searches for New Physics, Anomaly Detection, AI/Machine Learning, Tracking - Vertexing for Future Collider Experiments

About Dr. Islam:

Dr. Islam is an experimental particle physicist and has been a member of the ATLAS Collaboration at CERN since 2016. His research focuses on searches for new physics and new particles beyond the Standard Model of particle physics. He develops novel methods that often combine AI and machine learning with data analysis at the Large Hadron Collider (LHC). Through his research at SLAC National Accelerator Laboratory, Stanford University, he has developed and continues to refine tracking and vertexing algorithms that could improve the sensitivity of new physics searches at future particle physics experiments.