



Department of Physics and Astrophysics
University of Delhi

Title	Sanjeev Kumar Verma		Photo 
Designation	Assistant Professor		
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Education Qualification			
Degree	Institute	Year	
Ph.D	Himachal Pradesh University	2008	
P.G.	Himachal Pradesh University	2002	
U.G.	Himachal Pradesh University	2000	
Career Profile			
1. Junior Research Fellow	Himachal Pradesh University	2002-2004	
2. Senior Research Fellow	Himachal Pradesh University	2004-2008	
3. Assistant Professor	Thapar University	2008-2009	
4. Assistant Professor	Aligarh Muslim University	2009-2010	
5. Assistant Professor	University of Delhi	2010 -	
Administrative assignments			
1. Ph.D. Admission Committee 2. M.Sc. Admission Committee 3. Time Table Committee			
Areas of interest			
1. High energy physics 2. Cosmology 3. Astrophysics			
Subjects Taught			
1. Classical Mechanics 2. Electromagnetic Theory 3. Radiation Theory 4. Advanced Numerical Techniques 5. Computer Lab			
Research Guidance			
I am currently supervising three Ph.D. students.			

Publications (in the last three years)
1. Radha Raman Gautam and Sanjeev Kumar . 2016 . Zeros in the magic neutrino mass matrix. Physical Review D (accepted for publications). arXiv:1607.08328.
2. Shakeel Ahmed et. al. [ICAL Collaboration]. 2015 . Physics Potential of the ICAL detector at the India-based Neutrino Observatory (INO). arXiv:1505.07380.
3. Daljeet Kaur, Md Naimuddin and Sanjeev Kumar . 2015 . The sensitivity of the ICAL detector at India-based Neutrino Observatory to neutrino oscillation parameters. European Physics Journal C75 4: 156
4. Sanjeev Kumar .. 2013 . Symmetry based parameterizations of the lepton mixing matrix. Physical Review D 88: 016009.
5. Moon Moon Devi, Anushree Ghosh, Daljeet Kaur, Lakshmi S. Mohan, Sandhya Choubey, Amol Dighe, D. Indumathi, Sanjeev Kumar , M.V.N. Murthy, Md. Naimuddin. 2013 . Hadron energy response of the ICAL detector at INO. JINST 8: P11003
6. S. Dev, Sanjeev Kumar , Surender Verma, Shivani Gupta and R. R. Gautam. 2012 . Four texture zero fermion masses in SO(10) GUT. European Physical Journal C 72: 1940.
Conference Organization/ Presentations (in the last three years)
1. Sanjeev Kumar . 2015 . Status of India-based neutrino observatory . NuFact15.
2. Daljeet Kaur, Md. Naimuddin, Sanjeev Kumar . 2014 . INO-ICAL detector sensitivity for the measurement of atmospheric neutrino mixing parameters. 20th International Conference on Particles and Nuclei (PANIC 14).
3. Daljeet Kaur, Md. Naimuddin, Sanjeev Kumar . 2014 . Precision measurement of neutrino oscillation parameters at INO-ICAL detector. Unification and Cosmology after Higgs Discovery and BICEP (UNICOS2014).
Research projects
1. DST Fast Track project
2. R&D Efforts by University Groups for INO - ICAL project, DST, India
Awards and distinction
Association with professional media
Other activities