Curriculam Vitae

1. **Name** : Debasmita Bondyopadhaya (Kanjilal)
2. **Sex**: Female
3. **Nationality**: Indian.
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5. **Address**:
   (a) *Residential Address* :P.O. Chotobazar, Nabapally , P.S. Barasat, Dist: North 24 Parganas, West Bengal, Pin - 700126,
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6. **Present Position**: Assistant Professor and Head of the Department of Physics, Raiganj Surendranath Mahavidyalaya (College), Raiganj, North Dinajpur.
7. **Education**:
   (a) B.Sc. from Jadavpur University, Kolkata, India in 2002.
   (b) M.Sc. from Jadavpur University, Kolkata, India in 2004.
   (c) Post M.Sc. scholar at Saha Institute of Nuclear Physics, Kolkata, India in 2004-2005.
   (d) Ph.D.(Science) from Saha Institute of Nuclear Physics -Jadavpur University, Kolkata, India on 2013. Title of Thesis: *Spectroscopy of Trans-Lead Nuclei.*

8. **Research experience**

   (a) Research Associate at Saha Institute of Nuclear Physics, Kolkata, India from 2016 to 2017.

   (b) Guest Researcher at Bose Institute, Kolkata, India in 2016.

   (c) Senior Scientific Researcher in Flerov Laboratory of Nuclear Reaction, Joint Institute of Nuclear Research, Dubna, Russia in 2015.

   (d) Senior Research Fellow (extended) at Saha Institute of Nuclear Physics, Kolkata, India from 2013 to 2014.

   (e) Senior Research Fellow at Saha Institute of Nuclear Physics, Kolkata, India from 2006 to 2013.

   (f) Junior Research Fellow at Saha Institute of Nuclear Physics, Kolkata, India from 2005 to 2006.

9. **Short-term visits**

   (a) Flerov Laboratory of Nuclear Reaction, Joint Institute of Nuclear Research, Dubna, Russia during 1st October - 13th October, 2017.

   (b) Flerov Laboratory of Nuclear Reaction, Joint Institute of Nuclear Research, Dubna, Russia during 21st October - 6th November, 2016.

10. **Employment**:

    (a) Assistant Professor in Physics at Raiganj Surendranath Mahavidyalaya (College), Raiganj, West Bengal, India since April,2017 onwards.

11. **Scholarships and Awards**:

    (a) National Scholarship awarded in 2002.

    (b) Qualified GATE in 2004.

    (c) Qualified NET in 2005.

12. **Present Research Interests**:

    (a) Spectroscopic study of heavy isotopes near doubly-magic Lead nuclei.

    (b) Spectroscopy to Study Nucleosynthesis. Low energy nuclear Astrophysics.

    (c) Nuclear Data Evaluation.

    (d) Detector Simulation using Monte Carlo technique.

    (e) High energy gamma rays from extra galactic sources.

13. **Publications**:

i) *"Nuclear Data Sheets for A = 218"*, Balraj Singh, M.S. Basunia, Murray Martin, E.A. McCutchan, Indu Bala, R. Caballero-Folch, Rhiann Canavan, Ritwika Chakrabarti, A. Chekhovska, M.M. Grinder, Samra Kaim, **Debasmita Kanjilal**, D. Kasperovych, M.J. Kobra, H. Koura, Soumen Nandi, Adina Olacel, Abhilasha Singh, and B.P.E. Tee, Nuclear Data Sheets 160 (2019) 405-471.

ii) *"Superdeformation and α-cluster structure in ^{35}Cl"*, Abhijit Bisoi, M. Saha Sarkar, S. Sarkar, S. Ray, M. Roy Basu, **D. Kanjilal**, Somnath Nag, K. Selvakumar, A. Goswami, N. Madhavan, S. Muralithar, and R. K. Bhowmik, Phys. Rev. C 88 (2013), 034303.

iii) *"First observation of high spin states and isomeric decay in ^{210}Fr"*, **D. Kanjilal**, S. Saha, S. Bhattacharya, A. Goswami, R. Kshetri, R. Raut, S. Muralithar, R. P. Singh, G. Mukherjee and B. Mukherjee, Phys. Rev. C 84 (2011), 064321.

iv) *"High spin states and isomeric decays in doubly-odd ^{208}Fr"*, **D. Kanjilal**, S. Bhattacharya, A. Goswami, R. Kshetri, R. Raut, S. Saha, R. K. Bhowmik, J. Gehlot, S. Muralithar, R. P. Singh, G. Janeswari, G. Mukherjee, B. Mukherjee, Nucl. Phys. A 842 (2010), 1-14.

v) *"Electric field distribution and simulation of avalanche formation due to the passage of heavy ions in a parallel grid avalanche counter"*, **D. Kanjilal** and S. Saha, Pramana 72 (2009), 833-844.

vi) *"An active drop counting device using condenser microphone for superheated emulsion detector"*, Mala Das, A. S. Arya, C. Marick, **D. Kanjilal** and S. Saha, Rev. Sci. Instr. 79 (2008), 113301.

14. **Oral/Poster presentation**:

i) Poster presentation in the International Conference on "Recent Issues in Nuclear and Particle Physics (RINP2)" held at Department of Physics, Visva-Bharati, Santiniketan, India, February 3-5, 2019.

ii) Oral presentation in Joint ICTP-IAEA Workshop on "Nuclear Structure and Decay Data: Theory, Experiment and Evaluation" at ICTP, Trieste, Italy, October 15-26, 2018.

iii) Poster presentation in the DAE-BRNS Symposium on Nuclear Physics held at Saha Institute of Nuclear Physics, Kolkata, India, December 5-9, 2016.

iv) Poster presentation in the International Symposium on Nuclear Physics held at Bhabha Atomic Research Centre, Trombay, Mumbai, India, December 2-6, 2013.

v) Poster presentation in the DAE-BRNS Symposium on Nuclear Physics, held at Department of Nuclear Physics, Andhra University, Visakhapatnam, A. P., December 26-30, 2011.

vi) Oral presentation in Reserach Scholars Workshop, held at UGC-DAE CSR, Kolkata centre, January 6 -7, 2011.

vii) Oral presentation in DAE-BRNS Symposium On Nuclear Physics, held at Birla Institute of Technology & Science, Pilani, Rajasthan, India, December 20 - 24, 2010.

viii) Poster presentation in the XLV Zakopane Conference on "Nuclear Physics: Extremes of the Nuclear Landscape", held at Zakopane, Poland, August 30-September 5, 2010.

ix) Poster presentation in the DAE-BRNS International Symposium on Nuclear Physics, held at Bhabha Atomic Research Centre, Trombay, Mumbai, India, December 8-12, 2009.

x) Poster presentation in the DAE-BRNS Symposium on Nuclear Physics, held at Department of Physics, Indian Institute of Technology, Roorkee, India, December 22-26, 2008.

xi) Oral presentation in the SERC School on "Exploring Symmetries in Nuclei using the national Accelerator Facilities" held at IUAC, New Delhi, India, during September 1-21, 2008.

xii) Poster presentation in the DAE-BRNS Symposium on Nuclear Physics, held at Sambalpur University, Burla, Orissa, India, December 11-15, 2007.

xiii) Poster presentation in the DAE-BRNS Symposium on Nuclear Physics, held at The Maharaja Sayajirao University of Boroda, Vadodara, India, December 11-15, 2006.

15. **Programming Skills**: C, Fortran, Python