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## Academic Qualification

- **Tata Institute of Fundamental Research** Mumbai, India  
*MSc (completed) and PhD (ongoing, advisor: Prof. Alak Ray)* Aug. 2006 - Onwards  
– School of Physical Sciences
- **University of Calcutta** Kolkata, India  
*Bachelor of Science with Honours in Physics* Aug. 2003 - Jun. 2006  
– St. Xavier's College, Kolkata, India

## Awards and Scholarships

**TIFR Scholarship 2006-Onwards:** Selected by the TIFR test and interview to receive research scholarship to attend graduate school at TIFR.

**JEST 2006:** Obtained 1st Rank in the nationwide Joint Entrance Screening Test for admission to PhD programmes in Physics at Indian research institutes.

**NIUS 2004-2006:** Chosen National Initiative on Undergraduate Science program at HBCSE, TIFR to participate in undergraduate nurture program and received travel and book grant.

**JBNSTS 2003-2006:** Was selected by the Jagadis Bose National Science Talent Search to be a recipient of their Senior Scholarship covering complete undergraduate study and book grant.

## Publications

“**Verification of the Rayleigh scattering cross section**”, Sayan Chakraborti, *American Journal of Physics* **75**, 824 (2007).

“**The High-Metallicity Explosion Environment of the Relativistic Supernova 2009bb**”, Levesque, E. M.; Soderberg, A. M.; Foley, R. J.; Berger, E.; Kewley, L. J.; Chakraborti, S.; Ray, A.; Torres, M. A. P.; Challis, P.; Kirshner, R. P.; Barthelmy, S. D.; Bietenholz, M. F.; Chandra, P.; Chaplin, V.; Chevalier, R. A.; Chugai, N.; Connaughton, V.; Copete, A.; Fox, O.; Fransson, C.; Grindlay, J. E.; Hamuy, M. A.; Milne, P. A.; Pignata, G.; Stritzinger, M. D.; Wieringa, M. H. *Astrophysical Journal Letters* **709**, L26 (2010).

“**A Relativistic Type Ibc Supernova Without a Detected Gamma-ray Burst**”, Soderberg, A. M.; Chakraborti, S.; Pignata, G.; Chevalier, R. A.; Chandra, P.; Ray, A.; Wieringa, M. H.; Copete, A.; Chaplin, V.; Connaughton, V.; Barthelmy, S. D.; Bietenholz, M. F.; Chugai, N.; Stritzinger, M. D.; Hamuy, M.; Fransson, C.; Fox, O.; Levesque, E. M.; Grindlay, J. E.; Challis, P.; Foley, R. J.; Kirshner, R. P.; Milne, P. A.; Torres, M. A. P.; *Nature* **463**, 513 (2010).

## Astronomy Circulars

“**Low frequency follow up of SN 1996aq with GMRT**”, Sayan Chakraborti, Poonam Chandra, Alak Ray, *ATEL* **1994** (2009).

“**GMRT radio detection of SN 1996aq at 617 MHz**”, Sayan Chakraborti, Poonam Chandra, Alak Ray, *ATEL* **1974** (2009).

- “**Supernova 2008in in M61**”, Sayan Chakraborti, T Prabhu, GC Anupama, A Kaur, GU Kumar, Alak Ray, *CBET 1638* (2008).
- “**GMRT observation of SN 2006jc in the L-band**”, Sayan Chakraborti, Alak Ray, *ATEL 1605* (2008).
- “**GMRT observation of SN 2008ax in the L-band**”, Sayan Chakraborti, Alak Ray, *ATEL 1474* (2008).
- “**SGR 0501+4516: GMRT radio observation at 618 MHz**”, Sayan Chakraborti, *GCN 8147* (2008).
- “**Radio monitoring of SN 2007gr by GMRT in the L-band**”, Sayan Chakraborti, Poonam Chandra, Nirupam Roy, Alak Ray, *ATEL 1222* (2007).
- “**Radio non-detection of SN 2006gy with GMRT in the L-band**”, Poonam Chandra, Sayan Chakraborti, Alak Ray, *ATEL 1082* (2007).

### Telescope Time Allocations

- GMRT Cycle 17:** Principal-Investigator of approved proposals titled “Nature of localized emission in the face-on spiral galaxy M101” and “SN 1996aq: Orphan afterglow or impact with circumstellar shell?” in in GMRT Cycle 17
- GMRT Cycle 17:** Co-Investigator of approved proposals titled “GMRT follow up observations of an enigmatic Type IIIn supernova SN 2006jd”, “A bright radio supernova in a starburst galaxy M82” and “A grin without a cat: Relativistic ejecta from SN 2009bb without a GRB counterpart” in GMRT Cycle 17
- ALBA Cycle 2009APRS:** Principal-Investigator of approved proposal titled “A wide field map of the nearby spiral galaxy NGC 300 and its supernova remnants with the LBA”, using the Australian Long Baseline Array Cycle 2009APRS
- GEMINI Cycle 2009A:** Principal-Investigator of approved proposal titled “The nature of the Interstellar Medium in the cavities blown by Supernovae in M101”, with GEMINI North Cycle 2009A
- GMRT Cycle 15:** Principal-Investigator of approved proposal titled “HI in Nearby Spiral Galaxies with Supernovae”, in GMRT Cycle 15
- HCT Cycle 15:** Principal-Investigator of approved proposal titled “Sites of Supernovae in Nearby Spiral Galaxies”, in Himalayan Chandra Telescope, September to December 2008

### Workshops Attended

- ASI Meeting** Was invited to present poster at *Meeting of the Astronomical Society of India*, held at IIA, Bangalore, India.
- SNe & GRB at Darjeeling 2008:** Presented work on sites of supernovae in nearby spiral galaxies at conference held at Darjeeling, India.
- YAM 2008:** Won the best poster award at the *The Young Astronomers’ Meet* to be held at Mahatma Gandhi University in Kottayam, India.
- JIGSAW 2007:** Attended the *Joint Indo-German School And Workshop* on Neutrinos in Physics, Astrophysics and Cosmology at TIFR, Mumbai, India.