

Centre for Theoretical Physics
Jamia Millia Islamia, New Delhi 110025

(+91) 9900000000

FAX (+91) 11-26984830

✉ mastmaula@ctp-jamia.res.in

🌐 www.ctp-jamia.res.in
additional information



Mast Maula

Curriculum Vitae

Date of Birth 15th August 1982
Nationality Indian

Contact Information

Mast Maula Voice: (+91) 99xx42xx00
Centre for Theoretical Physics Fax: (+91) 11-26984830
Jamia Millia Islamia E-mail: mastmaula@ctp-jamia.res.in
New Delhi 110025, INDIA WWW: www.ctp-jamia.res.in/people/mastmaula.html

Research Interests

Inflationary cosmology, Gravitational collapse, Solar Neutrinos, Foundations of quantum mechanics, quantum entanglement, quantum information

Education

Centre for Theoretical Physics, Jamia Millia Islamia, New Delhi, INDIA

Ph.D. Candidate, Physics, January 2015 (expected submission date: May 2015)

- Thesis Topic: "A myopic view of the universe and its evolution"
- Supervisor: Nikat Drishti
- Co-Supervisor: Remote Control

Guru Ghasidas University, New Delhi, INDIA

M.Sc. Physics, 2010

University of Delhi (Baba Ramdev College) New Delhi, INDIA

B.Sc. (Hons) Physics, 2008

Academic Experience

Centre for Theoretical Physics, Jamia Millia Islamia, New Delhi, INDIA

Graduate Student

October, 2010 - present

Includes current Ph.D. research, Ph.D. and Masters level coursework and research/consulting projects.

Tutor

May - June, 2011

Tutored Ph.D. level course for the Master of Science in Computational program. Shared responsibility for lectures, exams, homework assignments, and grades.

- 46-731 Probability and Statistics, Summer 2011.

Publications

1. Myopic View of Curved Space-Time

Mast Maula, Nikat Drishti, Remote Control

J. Mock. Phys. Vol. 45, Pages 125-142 (2013).

2. **Universe Deflation in a Myopic View**

Nikat Drishti, Mast Maula
arXiv:1006.0000 [astro-ph.CO].

3. **Dynamics of the Universe: A Short-Sighted Approach**

Mast Maula, Remote Control
arXiv:1211.0000 [astro-ph.CO].

Papers in preparation

1. **A short-sighted view of cosmological evolution**

Mast Maula, Remote Control, Nikat Drishti.

Talks Delivered/ Poster Presentation

1. **Cosmological evolution and myopia**

Contributed talk in *Entertainment Conference on Cosmology*, IISc, Bangalore, 22 – 24 October 2014.

2. **A myopic view of cosmological deflation**

Poster presented in *Workshop on useless problems in cosmology*, IUCAA, Pune, 12 – 25 February 2014.

Conference and Symposia Attended

- **Entertainment Conference on Cosmology**, IISc, Bangalore, 22 – 24 October 2014.
- **Workshop on useless problems in cosmology**, IISc, Bangalore, 12 – 25 February 2014.
- **Workshop on Cosmology with Large Scale Structures**, CTP, JMI, New Delhi, 5-9 January 2015.
- **International Conference on Matters of Gravity and the Universe**, CTP, JMI, New Delhi, 27-29 October 2014.
- **Symposium on Astro-Particle and Nuclear Physics**, CTP, JMI, New Delhi, 21-22 January 2014.
- **International Workshop on Dark Energy**, CTP, JMI, New Delhi, 21-23 December 2011.

Computer Skills

- Languages: C, Fortran, some use of Unix shell scripts
- Applications: Mathematica, \LaTeX database, spreadsheet, and presentation software
- Experience programming Monte Carlo simulations, Molecular dynamics simulations
- Operating Systems: Unix/Linux, Windows.