

"Hard X-ray polarization from Black hole sources"

Wednesday, 28 March 2018 - Friday, 30 March 2018

IUCAA / Panchgani

Scientific Programme

Programme Schedule:

Wednesday, March 28, 2018

IUCAA, Pune

14:30 – 18:30 - CZTI as a hard X-ray polariser

Thursday, March 29, 2018

Blue Country Resort, Panchgani

10:00 - 13:00 - Crab polarisation

14:30 - 18:30 - Cyg X-1 polarisation

Friday, March 30, 2018

Blue Country Resort, Panchgani

10:00 - 13:00. GRB polarisation

14:30 - 18:30. Discussion and Conclusions

Discussion Meeting on

Hard X-ray Polarisation from Black Hole Sources

<div>
</div>
<div style="text-align: center;">
 Tata Institute of Fundamental Research</div>

<div style="text-align: center;">
 Inter-University Centre for Astronomy and Astrophysics</div>

<div style="text-align: center;">
 March 28 - 30, 2018</div>

<div style="text-align: center;">

March 28, 2018 (Wednesday) Venue: IUCAA</div>

<div>

11:00 – 13:00 CZTI as a hard X-ray polariser</div>

<div>

15:00 – 17:30 CZTI Discussion Meeting</div>

<div>

</div>

March 29, 2018 (Thursday); Venue: Panchgani

Crab polarisation (Chair: A. R. Rao)

10:00 – 10:45

N P S Mithun: Polarisation with CZTI: Need for spectroscopy above 100 keV

10:45 - 11:00

Ajay Ratheesh: CZTI spectra at high energies

11:00 - 11:30

Tea

11:30 – 12:00

Tanmoy Chattopadhyay: Cygnus X-1 polarisation with CZTI

12:00 - 12:15

Yash Bhargava: Hard X-ray polarisation study of pulsars with CZTI

12:15 - 12:45

Santosh Vadawale: Hard X-ray Polarisation of the Crab Pulsar: further work

13:00 - 14:30

Lunch

Cyg X-1 polarisation (Chair: Sudip Bhattacharyya)

14:30 – 15:15

A.R. Rao: Cyg X-1: Spectra, timing and polarisation

15:15 - 15:45

Mohammad Shahalam: Study of absorption dips in Cyg X-1 using AstroSat

16:00 - 16:30

Tea

16:30 – 18:00

AstroSat Cyg X-1 data analysis: Aarthy/ Nilam/ Mithun/ Shahalam

19:00-20:30

Workshop Dinner

<div style="clear: both;">
</div>

March 30, 2018 (Friday) Venue: Panchgani

GRB polarisation (Chair: Santosh Vadawale)

09:30 – 10:00

Dipankar Bhattacharya - Hard X-ray polarisation from GRBs

10:00 - 10:30

Vikas Chand: Spectro-polarimetric studies of GRBs

10:30 - 11:00

Tanmoy Chattopadhyay: GRB polarimetry with CZTI with possible improvements.

11:00 - 11:30

Tea

11:30 - 12:00

Aarthy, E.: Experimental verification of CZTI off-axis polarisation capability.

12:00 - 12:30

Dipankar Bhattacharya - GRB identification using CZTI

12:30 - 13:00

Discussion: CZTI GRB data

13:00 - 14:30

Lunch

CZTI/ Astrosat Data (Chair: Dipankar Bhattacharya)

14:30 - 14:45

Sudip Bhattacharyya: GRS 1915+105

14:45 - 15:15

N P S Mithun: Improving CZT Imager response and background

15:15 - 15:30

Ajay Vibhute: Hard X-ray Imaging using CZT Imager

15:30 - 15:45

Aarthy, E.: GRB polarisation using CZTI

16:00 - 16:30

Tea

Future Experiments (Chair: J. P. Malkar)

16:30 - 16:45

A.R.Rao: Introduction

16:45 - 17:15

Santosh Vadawale: Future space experiments in India

17:15 - 18:00

Technical developments: Hingar/ Patil/ Kutty/ Dedhia

