



**3<sup>rd</sup> DAE - BRNS**  
**School on Very High Energy Astrophysics**  
**GOALS, BARC, Mount Abu, Rajasthan, India**  
**(October 15-18, 2025)**



**Program Schedule**

**Day 1: October 15, 2025 (Wednesday)**

<b>Time</b>	<b>Program</b>	<b>Venue</b>
08:30 – 09:30	Registration	Reception Desk
09:30 – 10:00	Inauguration	Lecture Hall
10:00 – 11:15	Gamma Ray Astronomy <b>Speaker:</b> Dr. P Majumdar, SINP Kolkata	Lecture Hall
11:15 – 11:45	High Tea	Dining Area
11:45 – 13:00	Particle Acceleration in Astrophysics <b>Speaker:</b> Dr. S Bhattacharyya, BARC Mumbai	Lecture Hall
13:00 – 14:00	Lunch Break	Dining Area
14:00 – 15:15	Exotic Astroparticle Physics <b>Speaker:</b> Dr. P Majumdar, SINP Kolkata	Lecture Hall
15:15 – 16:30	Gamma Ray Sources <b>Speaker:</b> Dr. A Shukla, IIT Indore	Lecture Hall
16:30 – 17:30	Tea Break and Group Discussion	Open Area

18:00 – 20:00	GOALS Observatory Visit & Experiments	TACTIC Site
20:30 - 21:30	<b>Dinner</b>	<b>Dinning Area</b>

### Day 2: October 16, 2025 (Thursday)

<b>Time</b>	<b>Program</b>	<b>Venue</b>
9:00 – 10:15	Radiative Processes in Astrophysics <b>Speaker:</b> Dr. S Bhattacharyya, BARC Mumbai	Lecture Hall
10:15 – 11:30	Modeling of Broadband Emission from Gamma Ray Sources <b>Speaker:</b> Dr. A Shukla, IIT Indore	Lecture Hall
11:30 – 11:45	Tea	Dining Area
11:45 – 13:00	Introduction to Gammapy <b>Speaker:</b> Dr. A Sinha, TIFR Mumbai	Lecture Hall
13:00 – 14:00	Lunch	Dining Area
14:00 – 15:15	Hands on with Gammapy <b>Speaker:</b> Dr. A Sinha, TIFR Mumbai	Lecture Hall
15:15 – 16:30	Photo-detectors for gamma ray telescopes <b>Speaker:</b> Dr. B B Singh, TIFR Mumbai	Lecture Hall
16:30 – 17:45	Propagation of Cosmic Rays <b>Speaker:</b> Dr. S Thoudam, KU Abu Dhabi	Lecture Hall

17:45 – 18:15	Tea Break and Group Discussion	Open Area
18:30 – 20:30	GOALS Observatory Visit & Experiments	TACTIC Site
<b>21:00 - 22:00</b>	<b>Dinner</b>	<b>Dinning Area</b>

### Day 3: October 17, 2025 (Friday)

<b>Time</b>	<b>Program</b>	<b>Venue</b>
9:00 – 10:15	Astrophysical Transients <b>Speaker:</b> Dr. A C Gupta, ARIES Nainital	Lecture Hall
10:15 – 11:30	Cosmic Ray Measurements in Radio <b>Speaker:</b> Dr. S Thoudam, KU Abu Dhabi	Lecture Hall
11:30 – 11:45	Tea	Dining Area
11:45 – 13:00	Astrophysical Neutrinos <b>Speaker:</b> Dr. M Rameez, TIFR Mumbai	Lecture Hall
13:00 – 14:00	Lunch	Dining Area
14:00 – 15:15	Cosmic Ray Measurements with Particle Arrays <b>Speaker:</b> Dr. P K Mohanty, TIFR Mumbai	Lecture Hall
15:15 – 16:15	TACTIC and MACE Telescopes <b>Speaker:</b> Dr. M Sharma, BARC Mumbai	Lecture Hall
16:15 – 17:15	Astrostatistics <b>Speaker:</b> Dr. C Borwankar, BARC Mumbai	Lecture Hall

17:15 – 18:00	Tea Break and Group Discussion	Open Area
18:00 – 20:00	PRL-MIRO Visit	PRL Observatory
20:30 - 21:30	<b>Dinner</b>	<b>Dinning Area</b>

### Day 4: October 18, 2025 (Saturday)

Time	Activity	Details
9:00 – 10:15	Multi- Messenger Astrophysics <b>Speaker:</b> Dr. K K Singh, BARC Mumbai	Lecture Hall
10:15 – 11:30	Simulation Studies for Gamma Ray Telescopes <b>Speaker:</b> Dr. C Borwankar, BARC Mumbai	Lecture Hall
11:30 – 11:45	Tea	Dinning Area
11:45 – 13:00	Feedback, Closing Remarks & Vote of Thanks <b>Speakers:</b> <b>i.</b> Dr. M Sharma BARC Mumbai  <b>ii.</b> Dr. K K Singh BARC Mumbai  <b>iii.</b> Shri Naveen Kumar GOALS, BARC Mount Abu	Lecture Hall
13:00 – 14:00	Lunch	Dining Area