

IIA KSO Summer School: 22nd - 30th May 2023

Wonders of Astrophysics

Day 1: 22nd May 2023

<i>Time</i>	<i>Lecture/demo</i>	<i>Topic</i>	<i>Lecturer/Tutor</i>
9:50-10:00	Welcome address		Director
10:00-11:00	<i>Lecture</i>	<i>GR & Cosmology</i>	<i>Sanved Kolekar</i>
<i>11:00-11:30</i>	<i>Tea break</i>		
11:30-12:30	<i>Lecture</i>	<i>Introduction to Observational Astronomy: UV-Optical-IR</i>	<i>Sudhanshu Barway</i>
<i>12:30-14:30</i>	<i>Lunch Break</i>		
14:30-15:30	<i>Lecture</i>	<i>GR & Cosmology</i>	<i>Sanved Kolekar</i>
<i>15:30-16:00</i>	<i>Tea Break</i>		
16:00-17:00	Assignment Solving Session	<i>GR & Cosmology</i>	Students solve problems in the group on their own by discussing among themselves.

Day 2: 23rd May 2023

<i>Time</i>	<i>Lecture/demo</i>	<i>Topic</i>	<i>Lecturer/Tutor</i>
10:00-11:00	<i>Lecture</i>	<i>Introduction to Observational Astronomy: UV-Optical-IR</i>	<i>Sudhanshu Barway</i>
<i>11:00-11:30</i>	<i>Tea break</i>		
11:30-12:30	<i>Lecture</i>	<i>GR & Cosmology</i>	<i>Sanved Kolekar</i>
<i>12:30-14:30</i>	<i>Lunch Break</i>		
14:30-15:30	<i>Lecture</i>	<i>Introduction to Observational Astronomy: UV-Optical-IR</i>	<i>Sudhanshu Barway</i>
<i>15:30-16:00</i>	<i>Tea Break</i>		
16:00-17:00	Assignment Solving Session	Introduction to Observational Astronomy: UV-Optical-IR	Students solve problems in the group on their own by discussing among themselves.

Day 3: 24th May 2023

<i>Time</i>	<i>Lecture/demo</i>	<i>Topic</i>	<i>Lecturer/Tutor</i>
10:00-11:00	<i>Lecture</i>	<i>Galaxy & ISM</i>	<i>Vivek M</i>
<i>11:00-11:30</i>	Tea break		
11:30-12:30	<i>Observatory Visit</i>	–	–
<i>12:30-14:30</i>	Lunch Break		
14:30-15:30	<i>Lecture</i>	<i>Galaxy & ISM</i>	<i>Vivek M</i>
<i>15:30-16:00</i>	Tea Break		
16:00-17:00	Assignment Solving Session	Galaxy & ISM	Students solve problems in the group on their own by discussing among themselves.

Day 4: 25th May 2023

<i>Time</i>	<i>Lecture/demo</i>	<i>Topic</i>	<i>Lecturer/Tutor</i>
10:00-11:00	<i>Lecture</i>	<i>Solar Physics</i>	<i>Jayant Joshi</i>
11:00-11:30	Tea break		
11:30-12:30	<i>Lecture</i>	<i>Galaxy & ISM</i>	<i>Vivek M</i>
12:30-14:30	Lunch Break		
14:30-15:30	<i>Lecture</i>	<i>Solar Physics</i>	<i>Jayant Joshi</i>
15:30-16:00	Tea Break		
16:00-17:00	Assignment Solving Session	Solar Physics	Students solve problems in the group on their own by discussing among themselves.

Day 5: 26th May 2023

<i>Time</i>	<i>Lecture/demo</i>	<i>Topic</i>	<i>Lecturer/Tutor</i>
10:00-11:00	<i>Lecture</i>	<i>Black Hole Accretion</i>	<i>Santanu Mondal</i>
11:00-11:30	Tea break		
11:30-12:30	<i>Lecture</i>	<i>Solar Physics</i>	<i>Jayant Joshi</i>
12:30-14:30	Lunch Break		
14:30-15:30	<i>Lecture</i>	<i>Black Hole Accretion</i>	<i>Santanu Mondal</i>
15:30-16:00	Tea Break		
16:00-17:00	Assignment Solving Session	Black Hole Accretion	Students solve problems in the group on their own by discussing among themselves.

Day 6: 27th May 2023

<i>Time</i>	<i>Lecture/demo</i>	<i>Topic</i>	<i>Lecturer/Tutor</i>
10:00-11:00	Lecture	Bubble In ISM	Santanu Mondal
11:00-11:30	Tea break		
11:30-12:30	Observatory Visit	—	—
12:30-14:30	Lunch Break		

After Lunch: Photo Session & Leisure Break

28th May 2023: Tour around KSO

Day 7: 29th May 2023

<i>Time</i>	<i>Lecture/demo</i>	<i>Topic</i>	<i>Lecturer/Tutor</i>
10:00-11:00	<i>Lecture</i>	<i>ISM</i>	<i>Ravi Joshi</i>
11:00-11:30	Tea break		
11:30-12:30	<i>Lecture</i>	<i>Exoplanet</i>	<i>Ravinder Banyal</i>
12:30-14:30	Lunch Break		
14:30-15:30	<i>Lecture</i>	<i>Instrumentation</i>	<i>Dr Ebenezar</i>
15:30-16:00	Tea Break		
16:00-17:00	<i>Lecture</i>	<i>Observational Cosmology</i>	<i>Ravi Joshi</i>

Day 8: 30th May 2023

<i>Time</i>	<i>Lecture/demo</i>	<i>Topic</i>	<i>Lecturer/Tutor</i>
10:00-11:00	Lecture	Exoplanet	Ravinder Banyal
11:00-11:30	Tea break		
11:30-12:30	Lecture	Instrumentation	Dr Ebenezar
12:30-14:30	Lunch Break		
14:30-15:30	Lecture	Exoplanet	Ravinder Banyal
15:30-16:00	Tea Break		
16:00-17:00	Assignment Solving Session	Exoplanet & Galaxy Formation and Evolution	Students solve problems in the group on their own by discussing among themselves.