Day	Date	9:00 - 10:00	10:00 - 11:00		11:15 - 12:15		13:15 - 14:15	14:15 - 15:15	15:15 - 16:15		16:30 - 17:30	17:30 - 18:30	18:30 - 20:00
Sun	5-Feb	Arrival & Registration. Welcome reception in the evening											
Mon	6-Feb	Opening Ceremony	X-ray detectors and telescopes Matteo Guainazzi	Coffee Break	Data Reduction I - Introduction to LHEASOFT Sunil Chandra	Lunch Break	The Missions I - XMM-Newton Instruments & Calibration Status Carlos Gabriel	The Missions II - NICER Instruments and Calibration status Jeremy Hare	The Missions III - NuSTAR Instruments and Calibration Status Kristin Madsen	Coffee Break	Computer Class Setting up SAS, and LHEASOFT	Computer Class Setting up SAS, and LHEASOFT	
Tue	7-Feb	Principles of X-ray Spectral Analysis Matteo Guainazzi	Data Reduction II - Introduction to SAS Aitor Ibarra		Data Reduction III - Introduction to NICER software Jeremy Hare		Calibration files in X-ray astronomy Carlos Gabriel	Data Red. IV - Inreoduction to NuSTAR software Kristin Madsen	Astrophysical particle acceleration mechanisms Markus Boettcher		Computer Class Project	Computer Class Project	
Wed	8-Feb	X-ray Emission Mechanisms I Sunil Chandra	Source detection Aitor Ibarra		Timing Analysis I Diego Altamirano		Cataclysmic Variables /Novae/ White Dwarfs Jeremy Hare	Atomic physics and databases Priyanka Chakraborty	Computer Class Project		Computer Class Project	Computer Class Project	
Thu	9-Feb	AGNs I Dan Wilkins	Galactic Black Holes and Neutron Stars I James Steiner		Galaxies, Clusters and Groups I Arnab Sarkar		X-ray Emission Mechanisms II Sunil Chandra	Computer Class Project	Computer Class Project		Computer Class Project	Computer Class Project	
Fri	10-Feb	Statistics Carlos Gabriel	AGNs II Dan Wilkins		Timing Analysis II Diego Altamirano		Galactic Black Holes and Neutron Stars II. James Steiner	Computer Class Project	Computer Class Project		Computer Class Project	Computer Class Project	
Sat	11-Feb	ISM & SNR Christo Venter	X-ray TeV synergies Iurii Sushch		Galaxies, Clusters and Groups II Arnab Sarkar		Free time						
Sun	12-Feb	Free time											
Mon	13-Feb	Writing Proposals Kristin Madsen	Computer Class Project	Coffee Break	Computer Class Project	Lunch Break	Running SAS with Notebooks Aitor Ibarra	Computer Class Project	Computer Class Project	Coffee Break	Computer Class Project	Computer Class Project	
Tue	14-Feb	Multi-wavelength observations of AGN Markus Boettcher	Computer Class Project		Computer Class Project		Computer Class Project	Computer Class Project	Computer Class Project		Computer Class Project	Computer Class Project	
Wed	15-Feb	Basics of Scientific Presentation TBD	Computer Class Project		Computer Class Project		Computer Class Project	Computer Class Project	Computer Class Project		Computer Class Project	Computer Class Project	
Thu	16-Feb	Future Development of X-ray Astronomy Matteo Guainazzi	Computer Class Project		Computer Class Project		Computer Class Project	Computer Class Project	Computer Class Project		Computer Class Project	Computer Class Project	Public talk David Buckley
Fri	17-Feb	Project Presentations			Project Presentations		Project Presentations					Meeting closure	

Scientific program of the X-VISION 2023 Workshop

Version 0.6, 16 December 2022

Authors: Matteo Guainazzi & Sunil Chandra

Astrophysics	24 hours
Analysis tools	9 hours
Projects	42 hours