

NUVA eMeeting 2023

"On the path to the New Ultraviolet Astronomy: Scientific challenges and new technologies"

SCIENTIFIC PROGRAM

24th October

25th October

26th October

TIME	TITLE	SPEAKER
15:00	WELCOME	
15:05	Life-environmentology, Astronomy, and Planetary Ultraviolet Telescope Assembly (LAPYUTA) mission: instrument overview and development updates	Go Murakami
15:20	Maturing the Habitable Worlds Observatory	Aki Roberge
15:45	UV Spectroscopy with the Habitable Worlds Observatory: Instrument Capabilities and Technology Needs	Kevin France
16:10	ULTRASAT: Revolutionizing our view of the transient universe	Yossi Shvartzvald
16:25	The scientific payload of the Ultraviolet Transient Astronomy Satellite (ULTRASAT)	Sagi Ben-Ami
16:40	SPARCS Payload Assembly, Integration and Test Update	Paul Scowen
16:55	JUICE Ultraviolet Spectrograph Near-Earth Commissioning Results	Michael W. Davis
17:10	The Cosmological Advanced Survey Telescope for Optical and UV Research	Tyrone E. Woods
17:25	UK participation in the CASTOR mission	Ruben Sanchez-Janssen
17:40	Future of UV astronomy in the United Kingdom	M.A. Barstow
17:55	Building a master catalogue of unique UV sources	Juan C. Vallejo

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15:00	POLLUX and CASSTOR: preparing for high-resolution UV spectropolarimetry	Coralie Neiner
15:15	The Polstar SMEX UV Spectropolarimetry Mission	Paul Scowen
15:30	MAUVE : A UV-Vis spectroscopy facility dedicated to studying the magnetic activity of active stars	Fatemeh Zahra Majidi
15:45	The Important Roles that IUE Played in Developing UV Spectroscopy from the pre-IUE era to the post-IUE era	Jeffrey L. Linsky
16:00	On the path to the URIEL: the Ultraviolet Researcher to Investigate the Emergence of Life	Ana I Gómez de Castro
16:15	The Baryon Cycle: Science Drivers for the Habitable Worlds Observatory	J. Christopher Howk
16:30	Escaping metal from WASP-189b: Observations from CUTE CubeSat	AG Sreejith
16:45	Modelling integrated light spectra to study hot stellar components of old stellar populations	T. A. Pacheco
17:00	Measuring a neutron star radius from ultraviolet and soft X-ray observations	Denis González-Caniulef
17:15	UV study of blue straggler stars in open cluster NGC 7142 using AstroSat	Anju Panthi
17:30	Constraining the properties of matter in neutron star interiors through UV observations	Luis Rodríguez
17:45	Deciphering the role of star formation on the properties of PAH molecules: JWST and UVIT Perspective"	Ujjwal Krishnan
18:00	CASTOR's high-resolution, UV-blue survey plans for nearby galaxies - POSTER	David Thilker
	Update on UVIT FUV imaging of the Small Magellanic Cloud - POSTER	David Thilker

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15:00	The Need for Ultraviolet Spectroscopy to Understand Photometry	Peter Brown
15:15	Microroughness surface scattering modeling of Low Surface Brightness (LSB) and UV observation for MESSIER Surveyor Mission	Changgon Kim
15:30	Microchannel Plate Detectors for Ultraviolet Astronomy	S. Diebold
15:45	Mirror Coating Considerations for the Habitable Worlds Observatory	Paul Scowen
16:00	Next generation microshutter arrays for the HWO	A.Kutyrev
16:15	Studies of Star Formation in Merging and Interacting Galaxies using the UVIT	Mousumi Das
16:30	Comparing Properties of Star-Forming Dwarf Galaxy Types using UVIT Data	Amrutha S.
16:45	Journey into the North-Eastern Outskirts of the Small Magellanic Cloud with UVIT/AstroSat	Sipra Hota
17:00	AstroSat UV Deep Field - A unique view of the distant galaxies	Chayan Mondal
17:15	Unlocking Star Formation Secrets: UVIT Insights into Nearby Seyfert Galaxies	Payel Nandi
17:30	What drives the wheels of evolution in NGC 1512? A UVIT Study	Robin Thomas
17:45	The secrets of polar ring galaxies: Insights from UVIT	Akhil Krishna
18:00	Theoretical Spectra for Interpreting UV Spectra from New, Large Telescopes	Sara R. Heap