

ULTRAVIOLET ASTRONOMY IN THE XXI CENTURY



5TH WORKSHOP OF THE NETWORK FOR ULTRAVIOLET ASTRONOMY

VITORIA-GASTEIZ (SPAIN), OCTOBER 3RD- 7TH 2022



VITORIA-GASTEIZKO
INGENIARITZA
ESKOLA
ESCUELA
DE INGENIERIA
DE VITORIA-GASTEIZ



JcUVa⁺



MONDAY 3 ^d		TUESDAY 4 th		WEDNESDAY 5 th		THURSDAY 6 th		FRIDAY 7 th	
SOLAR SYSTEM & EXOPLANETS		ASTROPHYSICS		SPECTROPOLARIMETRY		TECHNOLOGY AND MISSIONS			
9:00-9:30 Registration & Documentation								9:00-12:00 MEETINGS OF SPECIALIZED WORKING GROUPS.	
9:30-10:10 Welcome		9:30-10:10 Investigation of the emergence of life at UV wavelengths. Ana I Gómez de Castro		9:30-10:10 The ESA M7 mission project Arago. Coralie Neiner		9:30-10:10 NASA's Future UV/Optical/IR Great Observatory. Aki Roberge			
10:10-10:50 The Solar System at Ultraviolet Wavelengths. Agustin Sanchez Lavega		10:10-10:50 The SPARCS Cubesat Mission to Measure M-Class Flaring Rates. Paul A. Scowen		10:10-10:50 Measuring stellar magnetic fields at UV wavelengths. Gregg Wade		10:10-10:50 Status of the CASTOR mission. John Hutchings			
10:50-11:30 NLTE effects in the atmosphere of ultra-hot Jupiters at UV wavelengths. Luca Fossati		10:50-11:30 Recent Progress concerning the Local Interstellar Medium. Jeff Linsky		10:50-11:30 URIEL, a low dispersion spectropolarimetric mission. Ana I Gómez de Castro		10:50-11:30 Status of the Spektrum-UF/WSO-UV mission. Mikhail Sachkov.			
COFFEE BREAK		COFFEE BREAK		COFFEE BREAK		COFFEE BREAK			
12:00-12:30 Hot atomic coronas at terrestrial planets - evidence in the UV observations. Valery Shematovich		12:00-12:30 UV signal of dust evolution in molecular cloud envelopes. Leire Beitia-Antero		12:00-12:30 The high-resolution UV spectropolarimeter POLLUX@LUVUIR, original concept and necessary updates. Jean Claude Bouret		12:00-12:30 Exosphere of Earth-like exoplanets and development of a detector and grating for UV spectrometer. Go Murakami			
12:30-13:00 Exploring the near-UV region for primitive material using ground-based observations, space telescopes and surveys. Fernando Tinaut-Ruano		12:30-13:00 The Transient UV Objects Project. David Modiano		12:30-13:00 CASSTOR: a nanosatellite demonstrator for UV spectropolarimetry. Mina Konaka		12:30-13:00 The Spectroscopic Ultraviolet Multi-object Observatory Mission Concept And Other NUV Instrumentation Advances. Dmitry Vorodiev			
LUNCH		LUNCH		VISIT TO THE BAIGORRI WINERY (Departure at 13:00 from the Workshop)		LUNCH			END of Workshop
15:00-15:40 The Colorado Ultraviolet Transit Experiment (CUTE): Mission Overview and First Results. Kevin France		15:00-15:40 UV spectroscopy of metal-poor massive stars. Miriam Garcia				15:00-15:30 UV Spectroscopy with a Large IR/O/UV + Exoplanet mission: Science Drivers and Instrument Capabilities. Kevin France			TRAVIOLET ASTRONOMY IN THE XXI CENTURY
15:40-16:10 Planets under the storm: Large-scale structures in the disk of young, magnetically active solar-like stars. Ada Canet		15:40-16:10 Ultraviolet Diversity of "Standard Candle" Supernovae: Complications for analysis and implications for Cosmology. Peter Brown				15:30-16:00 Narrowband filters for far UV imaging. Paloma López et al.			
Visit to the town and the cathedral (departure at 16:30)		POSTERS AND COFFEE BREAK				16:00-16:30 SUSI: the UV spectroscopic imaging telescope for the SIBEX MIDEX mission. Michael Davis			
		17:10-17:40 The MESSIER Surveyor: probing the UV ultra-low surface brightness universe. David Valls-Gabaud				17:00-17:30 Technological Challenges on the development of the PDD FUV Radiation Receiver for WSO-UV Mission- Alejandra Salinas			
		17:40-18:10 The SPRITE CubeSat: A probe of star formation feedback from stellar to galactic scales with far-UV imaging spectroscopy. Briana Indahl				17:30-18:00 Prospects of Moon-based UV survey to study transients and variables. Andrey Shugarov			
						18:00-18:30 General Discussion and wrap up			
						Workshop Dinner (20:00)			