

Looking at the Polarized Universe: Past, Present and Future

Meeting program

Monday, May 24: Blazars & AGN (CEST)

16:00-16:05	Introduction	I. Liodakis
16:05-16:25	Sweeps and flares in relativistic reconnection (invited)	L. Sironi
16:25-16:35	Repeated pattern of gamma-ray flares in the lightcurve of the blazar 3C 279	D. Blinov
16:35-16:45	Extreme Optical Linear Polarization Events in Gamma-Ray Blazars	S. Jorstad
16:45-16:55	Optical polarization in the kpc-scale jet of 3C273	T. Hovatta
16:55-17:05	The need for daily monitoring to study polarization angle rotations in blazars	S. Kiehlmann
17:05-17:15	Optical polarization signatures as a powerful probe of the driver of blazar flares	H.Zhang
17:15-17:25	New capabilities of AGN polarimetry with small telescopes: instrumentation and methods	E. Shablovinskaya
17:25-17:35	Break	
17:35-17:55	Multi-Wavelength Polarization of Blazars (invited)	M. Boettcher
17:55-18:05	Frequency and Time Dependence of Linear Polarization in Turbulent Jets of Blazars	A. Marscher
18:05-18:15	Polarization Reveals a Turbulent Jet: High Time Resolution Multiwavelength Observations of BL Lacertae	Z. Weaver
18:15-18:25	Polarization as a tool to probe particle acceleration regions in radio hotspots	M. Orienti
18:25-18:35	Spectroscopy and polarimetry of the gravitationally lensed quasars SDSS J1004+4112 and Q0957+561	D. Savic
18:35-18:45	Polarization in broad emission lines of active galactic nuclei - exploring black hole mass and broad line region	L. Popovic

18:45-18:55	VLT/FORS2 view of the active galactic nucleus in the Circinus galaxy	M. Stalevski
18:55-19:25	Panel discussion	

Chair: I. Liodakis

Tuesday, May 25: Interstellar medium (CEST)

16:00-16:25	Mapping Galactic magnetic fields with interstellar dust (invited)	B. Hensley
16:25-16:35	High-accuracy estimation of magnetic field strength in the interstellar medium from dust polarization	R. Skalidis
16:35-16:45	Turbulent Magnetic Field in the Hii region Sh 2-27	N. Raycheva
16:45-16:55	Evidence for line-of-sight frequency decorrelation of polarized dust emission in Planck data	V. Pelgrims
16:55-17:05	Optical Polarization Study in Open Clusters (Alessi 1, NGC 1817, NGC 2345 and NGC 7380)	S. Singh
16:05-17:20	Break	
17:20-17:45	Invited: Interstellar Grain alignment: Triumphs and Remaining Challenges (invited)	B-G Andersson
17:45-17:55	Investigation of collisional disalignment and polarization efficiency in PDRs of Sh2-185 HII region	A. Soam
17:55-18:05	The Galactic Plane Infrared Polarization Survey (GPIPS): Properties of the Midplane Magnetic Field	D. Clemens
18:05-18:15	Multi-tracer analysis of straight depolarization canals in the surroundings of the 3C 196 field	L. Turic
18:15-18:25	Modelling synchrotron emission at low frequency: insights from the LOFAR telescope	A. Bracco
18:25-19:00	Panel discussion	

Chair: G. Panopoulou

Wednesday, May 26: Instruments & calibration (CEST)

16:00-16:05	Introduction	A. N. Ramaprakash
16:05-16:35	DIPOL-2: A double image high precision CCD polarimeter (invited)	A. Berdyugin
16:35-17:05	Design, Development and Performance Modelling of WALOP Polarimeters for PASIPHAE Survey (invited)	S. Maharana
17:05-17:20	SPARC4 - Simultaneous Polarimeter and Rapid Camera in Four Bands: An overview of the instrument acquisition system	D. Bernardes
17:20-17:30	Break	
17:30-17:45	RoboPol: A new list of optical polarimetric standards	D. Blinov
17:45-18:00	White dwarfs as low polarization standards.	A. Słowikowska
18:00-18:15	Towards optimal signal extraction from imaging X-ray polarimetry	L. Peirson
18:15-18:30	Ground calibration experiments of Thomson scattering based polarimeter (POLIX)	Varun
18:30-18:45	The PolStar EXPLORER Mission - Science Drivers and Scope	P. Scowen
18:45-19:15	Panel discussion	

Chair: A. N. Ramaprakash

Thursday, May 27: Compact objects & time domain (CEST)

15:00-15:05	Introduction	J. Antoniadis
15:05-15:25	High-precision optical polarimetry as a tool to learn about orbital orientation and nature of optical emission of black hole X-ray binaries (invited)	J. Poutanen
15:25-15:45	Polarized jets in X-ray binaries (invited)	D. Russel
15:45-15:55	Probing giant X-ray outbursts in accretion-powered pulsars with optical polarimetry	P. Reig
15:55-16:05	Probing Jet Launching in Neutron Star X-Ray Binaries: the variable jet of SAX J1808.4-3658	M. C. Baglio
16:05-16:15	Gamma-ray binary LS I +61 303 in polarized light: orbital variability and new constraints on the orbital parameters	V. Kravtsov
16:15-16:25	Multi-wavelength observations and models of magnetic cataclysmic variables	C. V. Rodrigues
16:25-16:35	Magnetic accretion in cataclysmic variables: SW Sextantis stars	I. de Jesus Lima (Karleyne Silva)
16:35-16:45	Optical linear polarization survey of helium-rich white dwarfs	A. Słowikowska
16:45-16:55	Break	
16:55-17:15	Snapshot surveys for polarised light in optical transients: adding value to transient streams (invited)	K. Wiersema
17:15-17:25	Photopolarimetric observational study of classical novae	R. M. Anche
17:25-17:35	Shedding light on the geometry of compact object mergers with kilonova polarimetry	M. Bulla
17:35-17:45	Gamma-Ray Polarimetry of GRBs with the	M. Kole

	POLAR and POLAR-2 missions	
17:45-17:55	Polarization measurements of the Crab Pulsar with POLAR	H. Li
17:55-18:25	Panel discussion	

Chair: J. Antoniadis