

Monday, 11 Jul

Time	Author	Title	Notes	Duration (min)
09:00	Registration			
10:00	Welcome and opening remarks			
<u>Session 1.- Phenomenology of BeXRB transient outbursts in the X-ray domain</u>				
Chairs: Peter Jenke and Elisa Nespoli				
10:15	Peter Kretschmar	The BeXRB outburst zoo	Review	40
10:55	Coffee Break			
11:30	Ascension Camero-Arranz	The strange case of A 0535+262 and HD 245770: an X-ray/optical overview		25
11:55	Jose Joaquin Rodes	X-ray spectroscopy with Swift/XRT in BeXRBs		25
12:20	Elisa Nespoli	Correlated spectral and aperiodic variability in 1A 1118-615		25
12:45	Biswajit Paul	Quasi Periodic Oscillations in High Magnetic Field Accretion Powered Pulsars		15
13:00	Lunch Break			
15:30	Matthias Kühnel	GRO J1008-57: high precision timing and spectral evolution		25
15:55	Biswajit Paul	Intensity and energy dependent profiles of transient HMXB pulsars		25
16:20	Silvia Martínez-Nuñez	Identifying Be/X systems using INTEGRAL		25
16:45	Sebastian Müller	XTE J1946+274: The resurrection of a sleeping X-ray pulsar		25
17:10	Coffee Break			
17:30	Dmitry Klochkov	Flaring activity and pulse-to-pulse variability of EXO 2030+375		25
17:55	Discussion	Session 1		35
18:30	End of working day			

Tuesday, 12 Jul.Session 2.- BeXRBs in external galaxies compared to the Milky Way population

Chair: Ascensión Camero

Time	Author	Title	Notes	Duration (min)
09:00	Frank Haberl	BeXRBs in external galaxies compared to the Milky Way population	Review	40
09:40	Elizabeth Bartlett	The Search for Be/X-ray Binaries in the Phoenix Dwarf Galaxy		15
09:55	Altan Baykal	Analysis of RXTE PCA Observations of SMC X-1		25
10:20	Lee Townsend	A first look at the orbital parameters of Be/X-ray binaries in the Small Magellanic Cloud		15
10:35	Matthew Schurch	Quasi Periodic Variations in Long Period Be X-ray Binaries		25
11:00	Coffee Break			
11:30	Vallia Antoniou	Tracing the young accreting binary population of the Magellanic Clouds using their star-formation history		25
11:55	Tony Bird	Optical periods in SMC Be/X-ray binaries		25
12:20	Altan Baykal	Pulse frequency changes of SWIFT J1626-5156		15
12:35	Discussion	Session 2		30
13:05	Lunch Break			
<u>Session 3.- Observations in other wavebands and their implications</u>				
Chair: Matthew Schurch				
15:30	M. Virginia McSwain	Multiwavelength Observations of Be/X-ray Binaries and their Implications	Review	40
16:10	Pere Blay	UV view of BeXRBs, WSO-UV and perspectives for the future		25
16:35	Yuuki Moritani	Drastic Spectroscopic Variability of the Be/X-ray Binary A0535+262/V725 Tau during and after the 2009 Giant Outburst		25
17:00	Coffee Break			
17:30	Jose M. Torrejon	Physical properties of Be stars in X-ray binaries		25
17:55	Mehtap Özbey Arabaci	Investigation Of The Photometric and Spectroscopic Variations In Be/X-Ray Binaries	See also poster	15
18:10	Discussion	Session 3		35
18:45	End of working day			

Wednesday, 13 Jul.

Session 4.- Be/X systems - routes into fundamental astrophysics

Chair: Dimitry Klochkov

Time	Author	Title	Notes	Duration (min)
09:00	Ingo Kreykenbohm	Transient outbursts as laboratories of accretion physics	Review	40
09:40	Isabel Caballero	A 0535+26: cyclotron line evolution during its recent 2011 giant outburst		25
10:05	Sebastian Drave	Supergiant fast X-ray transients: a BeXRB connection?		25
10:30	Pablo Reig	Observational evidence for the interaction between the neutron star and the equatorial disk in BeX		25
10:55	Coffee Break			
11:30	Malcolm Coe	Nature or Nurture - neutron stars in Be/X-ray binaries	Review	40
12:10	Discussion	Session 4		35

12:45 Lunch Break

Session 5.- Be stars, Be disks & models in the context of explaining the BeXRB phenomenon

Chair: Isabel Caballero

15:30	Atsuo Okazaki	Be stars, Be disks & models in the context of explaining the BeXRB phenomenon	Review	40
16:10	John Richard Jones	Accretion delay in HMXRB's		15
16:25	Timothy Linden	A binary evolution approach to understanding the BeXRB phenomenon		25

16:50 Coffee Break

17:30	Discussion	Session 5		35
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18:05 End of working day

Thursday, 14 Jul.

Session 6.- The high-energy gamma-ray connection

Chairs: Tony Bird and Silvia Martínez-Núñez

Time	Author	Title	Notes	Duration (min)
09:30	Josep M. Paredes	BeXRBs as high-energy gamma-ray sources	Review	45
10:10	Diego F. Torres	Be X-ray binaries and their high and very high energy emission		25
10:35	Gustavo E. Romero	Gamma-ray emission from Be X-ray binaries: theoretical aspects		25

11:00 Coffee Break

11:30	Atsuo Okazaki	Modeling gamma-ray binaries with Be stars		25
11:55	Richard Dubois	LSI +61 303 from the Fermi LAT Perspective		25
12:20	Robin Corbet	Hunting for New Gamma-ray Binaries		25

12:45 Lunch Break

15:30	Mark H. Finger	Fermi/GBM Monitoring of Transient Accreting Pulsars		25
15:55	Marc Ribo	The extended and variable radio structure of the gamma-ray binary PSR B1259-63/LS 2883		25
16:20	Colleen Wilson-Hodge	Be/X-ray Binary Science for Future X-ray Timing Missions		25

16:45 Coffee Break

17:30	Discussion	Session 6		35
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18:05 Concluding remarks

18:30 End of workshop

Posters

Author	Title
Biswajit Paul	Orbital Evolution and Apsidal Motion of HMXBs
Mehtap Özbek Arabaci	Investigation Of The Photometric and Spectroscopic Variations In Be/X-Ray Binaries
Andry Rajoelimanana	Long-term properties of Be/X-ray binaries in the SMC.
Sergey Tsygankov	Power spectra of transient X-ray pulsars: determination of the neutron stars magnetic field
Aous Abdo	Discovery of high energy Gamma-Ray emission from the binary system PSR B1259-63/LS 2883 around periastron with FERMI