

PROGRAMME
" The Extreme sky: Sampling the Universe above 10 keV"
13th - 17th October 2009 - Otranto (Lecce) Italy

Tuesday 13th October 2009

09:00-09:30	(30')	Registration
09:30 - 09:45	(15')	P. Ubertini- <i>Welcome address</i>
Session 1: Low Energy Surveys		
09:45-10:00	(15')	C. Winkler: <i>Integral Status Overview</i>
10:00-10:25	(25')	A.J. Bird: <i>The 4th INTEGRAL/IBIS Catalogue</i>
10:25-10:50	(25')	M.Revnitsev: <i>What have we learned about X-Ray Binaries from the INTEGRAL All-Sky Survey?</i>
10:50-11:05	(15')	E. Kuulkers: <i>The INTEGRAL Galactic bulge monitoring program: an update</i>
11:05-11:35	(30')	Coffee Break & Poster Session
11:35-12:00	(25')	R. Krivonos: <i>INTEGRAL All-Sky Survey: Deep inside Galaxy and beyond</i>
12:00-12:25	(25')	J.-P. Roques: <i>The SPI High-Energy Sky</i>
12:25-12:40	(15')	J. Ziolkowski: <i>On the Apparent Lack of Be X-ray Binaries with Black Holes</i>
12:40-12:55	(15')	V. McBride: <i>Deconvolving the Galactic centre with IBIS</i>
12:55-15:00		Lunch Break
15:00-15:25	(25')	R. Mushotzky: <i>The Bat All Sky Survey</i>
15:25-15:50	(25')	T. Tsuru: <i>The Suzaku Hard X-ray Survey on the Galactic Center Region</i>
15:50-16:05	(15')	A. Lutovinov: <i>Survey of X-ray pulsars in hard X-rays</i>
16:05-16:35	(30')	Tea Break & Poster Session
16:35-17:00	(25')	S. Ueno: <i>The First Light from MAXI</i>
17:00-17:25	(25')	A. Malizia: <i>Re-evaluating the Local Compton-thick AGN Fraction</i>
17:25-17:40	(15')	F. Capitanio: <i>Correlating the WFC and the IBIS hard X-ray surveys</i>
17:40-17.55	(15')	M. Turler: <i>INTEGRAL hard X-ray spectra of the cosmic XRB and the Galactic Ridge</i>
17:55		End of Day 1

Wednesday 14th October 2009

Session 2: High Energy Surveys

- 09:30-09:55 (25') M. Tavani: *The AGILE high-energy Sky*
09:55-10:20 (25') I. Grenier: *The Fermi Catalogue*
10:20-10:45 (25') A.Hill: *Fermi – Galactic Sources*
10:45-11:10 (25') G. Tosti: *The Fermi Extra-Galactic View*

11:10-11:40 (30') Coffee Break & Posters Session

- 11:40-11:55 (15') A. De Rosa: *A multiwavelength investigation of INTEGRAL Blazars*
11:55-12:10 (15') E. Cavazzuti: *Microwave to gamma-ray properties of Fermi-LAT detected AGNs*
12:10-12:25 (15') S. Ciprini: *Gamma-ray variability of Fermi LAT blazars*
12:25-12:40 (15') P. Parisi: *Revealing the nature of unidentified INTEGRAL sources*

12:40-15:00 Lunch Break

Session 3. Extra-galactic Astrophysics

- 15:00-15:25 (25') S. Sazonov: *Testing the AGN unified Model with multi-band Observations*
15:25-15:40 (15') V. Beckmann: *Lessons learnt from INTEGRAL AGN*
15:40-15:55 (15') A. Tramacere: *The giant X-ray flares of Mrk 421*

15:55-16.25 (30') Tea Break & Poster Session

- 16:25-16:50 (25') P. Giommi: *The multi-frequency behaviour of Blazars*
16:50-17:05 (15') M. Molina: *The INTEGRAL Complete Sample of Type 1 AGN*
17:05-17:20 (15') F. Panessa: *New XMM-Newton observations of type 1 INTEGRAL AGN*
17:20-17:35 (15') R. Walter: *NGC 4151 with INTEGRAL: reflection on IC emission*

Session 4: Very High Energy Surveys

- 17:35-18:00 (25') J. Buckley: *The high energy sky seen by VERITAS*

18:00 End of Day 2

Thursday 15th October 2009

Session 4 (cont.): Very High Energy Surveys

- 09:30-09:55 (25') M. Renaud: *HESS as a Multi-functional astronomical tool*
09:55-10:20 (25') G. Kanbach: *Deciphering Pulsar Physics from HE Gamma-rays*
10:20-10:35 (15') C. Bleve: *Observation of the TeV sky with the ARGO-YBJ high-altitude Detector*

10:35-11:05 (30') Coffee Break & Poster Session

Session 5: Gamma-Ray Bursts and Jets

- 11:05-11:30 (25') B. McBreen: *GRB Overview*
11:30-11:55 (25') G. Ghisellini: *GRB emission models and jet properties*
11:55-12:10 (15') J. Malzac: *The jet and X-ray corona of Cygnus X-1*

Session 6: Galactic Astrophysics

- 12:10-12:25 (15') R. Hudec: *INTEGRAL results on cataclysmic variables and related objects*
12:25-12:40 (15') M. Renaud: *A new young and composite Galactic supernova remnant : multi-wavelength observations of IGR J14003-6326*
12:40-12:55 (15') R. Droulans: *GX 339-4: spectral variability of the hard X-ray Emission*
12:55-13:10 (15') D. Klochkov: *Monitoring of pulse period in Her X-1 with Swift/BAT: evidence of mass ejection*

13:10

End of Day 3 – Free Afternoon

19:00

Social Dinner

Friday 16th October 2009

Session 8*: Future Missions & Instrumentation

09:30-09:55 (25') B. Paul: *ASTROSAT prospects for a hard X-ray Survey*

Session 6 (cont.): Galactic Astrophysics

09:55-10:20 (25') M. Paredes: *New source classes and their theoretical*

10:20-10:35 (15') S. Molkov: *Absolute timing and phase resolved spectroscopy of the Crab pulsar*

10:35-10:50 (15') S. Mereghetti: *INTEGRAL results on the January 2009 activity from the Anomalous X-ray Pulsar 1E1547.0-5408*

10:50-11:05 (15') A. Tarana: *High energy behaviour of Neutron Star Low Mass X-ray binary systems seen by INTEGRAL*

11:05-11:35 (30') Coffee Break & Poster Session

11:35-12:00 (25') A. Chieffi: *Understanding Cosmic Nucleosynthesis*

12:00-12:15 (15') L. Sidoli: *New results with Swift on Supergiant Fast X-ray Transients*

12:15-12:30 (15') S. Grebenev: *Supergiant Fast X-ray Transients observed by INTEGRAL*

12:30-12:45 (15') L. Ducci: *The role of structured OB supergiant winds in producing the X-ray flaring emission from High Mass X-ray Binaries*

12:45-14:30 Lunch Break & Poster

Session 7: Cosmic Positron Annihilation

14:30-14:55 (25') P. Jean: *Overview of the 511keV diffuse emission*

14:55-15:20 (25') E. Churazov: *Recent SPI results on 511 keV line*

15:20-15:35 (15') G. De Cesare: *Searching for 511 keV annihilation line from galactic compact objects with IBIS*

15:35-15:50 (15') D. Chernyshov: *Restrictions on the injection energy of positrons annihilating near the Galactic center*

15:50-16:20 (30') Tea Break & Poster Session

Session 4a: Very High Energy Surveys

16:20-16:45 (25') A. De Angelis: *Recent results from MAGIC*

Session 8: Future Missions & Instrumentation

16:45-17:10 (25') A. Parmar: *IXO - The International X-ray Observatory*

17:10-17:35 (25') G. Tagliaferri: *The Italian New Hard X-ray Imaging and Polarimetric Satellite Mission*

17:35-17:50 (15') S. Del Sordo: *Recent Trends in Development of CdTe and CdZnTe*

17:50-18:05 (15') C. Macculi: *IXO TES Microcalorimeters: from Focal Plane instruments to Anticoincidence Detectors*

18:05 **End of Day 4**

Saturday 17th October 2009

Session 8 (cont.): Future Missions & Instrumentation

09:30-09:55	(25')	W. Zhang: <i>The NuSTAR Mission: Implementation and Science Prospects</i>
09:55-10:20	(25')	M. Kokubun: <i>Scientific Prospects for ASTRO-H</i>
10:20-10:45	(25')	L. Natalucci: <i>EXIST</i>
10:45-11:15	(30')	Coffee Break & Poster Session
11:15-11:40	(25')	P. Tozzi: <i>The Wide Field X-ray Telescope</i>
11:40-12:05	(25')	L. Piro: <i>The Xenia mission</i>
12:05-12:30	(25')	E. Flamini: <i>The ASI high energy programme</i>
12:30-13:00	(30')	Concluding Remarks and INTEGRAL's 7th Birthday Cocktail Celebration

End of the Workshop