



FIRST CIRCULAR AND NOTIFICATION OF IMPORTANT DEADLINES

"An INTEGRAL view of the high-energy sky (the first 10 years)"

9th INTEGRAL Workshop and celebration of the 10th launch anniversary

15 - 19 October 2012, Paris, France

Scientific Program and Aims of the Workshop

=====

The 9th INTEGRAL workshop "An INTEGRAL view of the high-energy sky (the first 10 years)" will take place from the 15th to the 19th October 2012 in Paris, Bibliothèque Nationale de France (*Bibliothèque François Mitterrand*). The workshop will be sponsored by ESA, CNES and other French and European Institutions.

During this week we will celebrate the 10th launch anniversary of the INTEGRAL mission, on 17 October 2012.

The main goal of this workshop is to present and to discuss (via invited and contributed talks and posters) latest results obtained in the field of high-energy astrophysics using the International Gamma-Ray Astrophysics Laboratory INTEGRAL, as well as results from observations from other ground- and space-based high-energy observatories and from associated multi-wavelength campaigns.

Contributions to the workshop shall cover the following scientific topics:

- X-ray binaries (IGR sources, black holes, neutron stars, white dwarfs)
- Isolated neutron stars (gamma-ray pulsars, magnetars)
- Nucleo-synthesis (SNe, Novae, SNRs, ISM) and gamma-ray lines (511 keV)
- Galactic diffuse continuum emission (including Galactic Ridge)
- Massive black holes in AGNs, elliptical galaxies, nucleus of the Galaxy
- Sky surveys, source populations and unidentified gamma-ray sources
- Cosmic background radiation
- Gamma-ray bursts
- Coordinated observations with other ground- and space-based observatories
- Science data processing and analysis (posters only)
- Future instruments and missions (posters only)

Workshop web page: <http://IntegralWorkshop2012.in2p3.fr>

Workshop LOC email: IntegralWorkshop2012@apc.univ-paris7.fr



The INTEGRAL mission

=====

INTEGRAL is ESA's gamma-ray mission within the agency's "Horizon 2000" long term space-science program, in collaboration with Russia and NASA. The spacecraft was launched on 17th October 2002 and is currently in its extended science operations phase.

INTEGRAL is dedicated to fine spectroscopy (2 keV FWHM @ 1.3 MeV) and fine imaging (12' FWHM, arc-minute source location) of celestial gamma-ray sources in the energy range from 15 keV to 10 MeV with concurrent X-ray (3-35 keV) and optical (V, 550 nm) source monitoring.

Large archives with public data exist at the ISDC (Geneva), at ESA/ESAC (Madrid), IKI (Moscow) and at GSFC (HEASARC).

Detailed information about the INTEGRAL observatory can be found at:

<http://www.rssd.esa.int/index.php?project=INTEGRAL&page=index>

Scientific Advisory Committee

=====

François Lebrun (chair), APC and SAp/CEA, Paris, France
Angela Bazzano, INAF/IASF, Rome, Italy
Søren Brandt, DTU, Copenhagen, Denmark
Roland Diehl, MPE, Garching, Germany
Maurizio Falanga, ISSI, Bern, Switzerland
Neil Gehrels, NASA-GSFC, Greenbelt Md, USA
Andrea Goldwurm, APC and SAp/CEA, Paris, France
Sergei Grebenev, Space Research Institute, Moscow, Russia
Wim Hermsen, SRON, Utrecht, The Netherlands
Margarita Hernanz, IEEC-CSIC, Barcelona, Spain
Ed van den Heuvel, University of Amsterdam, The Netherlands
Peter Kretschmar, ESA-ESAC, Madrid, Spain
Miguel Mas-Hesse, INTA, Madrid, Spain
Mark McConnell, University of New Hampshire, Durham NH, USA
Giorgio Palumbo, University of Bologna, Italy
Konstantin Postnov, Sternberg Astronomical Institute, Moscow, Russia
Mikhail Revnivtsev, Space Research Institute, Moscow, Russia
Jean-Pierre Roques, IRAP, Toulouse, France
Norbert Schartel, ESA-ESAC, Madrid, Spain
Rashid Sunyaev, Space Research Institute, Moscow, Russia



Pietro Ubertini, INAF/IASF, Rome, Italy
Jacco Vink, SRON, Utrecht, The Netherlands
Roland Walter, ISDC, Geneva, Switzerland
Jörn Wilms, Universität Erlangen-Nürnberg, Germany
Christoph Winkler, ESA-ESTEC, Noordwijk, The Netherlands

Local Organizing Committee

=====

Andrea Goldwurm (Chair)
Sarodia Vydelingum (Secretary)
Laurence Amen (CNES)
Volker Beckmann
Isabel Caballero
Elisabeth Jourdain
Olivier La Marle (CNES)
François Lebrun
Fabio Mattana
Jerome Rodriguez
Jean-Pierre Roques
Stéphane Schanne
Simona Soldi
Juan A. Zurita Heras

General Information

=====

The 9th INTEGRAL workshop will take place in the National French Library (Bibliothèque Nationale de France, Grand Amphithéâtre of the Bibliothèque François Mitterrand), <http://www.bnf.fr/en/bnf.html> located on the left bank of the river Seine, close to the heart of the city of Paris.

Some general information about Paris, the weather in October and web links for tourist information can be found at: <http://en.parisinfo.com/>

Information on workshop registration and hotel reservations, instructions for authors and kits for the preparation of abstracts (including examples) will be made available in early 2012 via the internet pages of the Local Organizing Committee (LOC):

<http://IntegralWorkshop2012.in2p3.fr>



Final details about registration and abstract submission will also be given in the second circular.

The ESA INTEGRAL pages on the internet will also provide access to the latest workshop information:

<http://www.rssd.esa.int/index.php?project=INTEGRAL&page=Conferences>

All accepted abstracts and the scientific program will be available on the internet before the workshop.

A registration fee, currently estimated not to exceed 350 Euro, will be charged to each participant. Late registration will be charged with a supplementary fee. The conference dinner and an excursion are included in the fee. Students may apply for a reduced fee.

+=====+
| Abstract submission must be done by 1 June 2012 |
+=====+

The registration and payment deadline is July 2012.

Papers describing instruments, future missions, technology, and data analysis methods can be accepted as posters only.

Contributed oral presentations shall aim for 15 min presentation, allowing 5 min discussion afterwards. It is to be expected that, based on community feedback, few oral sessions will have to be organized in parallel.

Poster presentations shall be prepared using a format that will be specified in the second circular. However, it is expected that, based on community feedback, each poster will not be displayed during the entire week of the workshop. The organizers also plan to provide on-line access to the posters in addition to their physical display.

Further details will be provided in the 2nd circular.

Workshop Proceedings
=====

All contributions (invited, contributed oral and posters) will be refereed via the Science Advisory Committee (SAC). Scientific editors are F. Lebrun, A. Goldwurm and C. Winkler. Refereed contributions will be published on-line via Proceedings of Science <http://pos.sissa.it/>



It could be envisaged to create a limited number of books via a print-on-demand service.

Further information and instructions to authors for the preparation of manuscripts will be provided in due course.

To guarantee publication of a contribution it must have been presented (orally or as a poster) by the lead author or by one of the co-authors during the workshop.

Travel support

=====

As with all past INTEGRAL workshops, the organizers will make all efforts to provide some financial support to help participants as needed (e.g. early stage scientists) to attend the workshop.

Travel support relies solely on very limited funds, which may become available through sponsors.

Important dates

=====

- | | |
|---|----------------------|
| • First circular | October 2011 |
| • Second Circular and registration open | March 2012 |
| • Abstract deadline | 1 June 2012 |
| • Scientific program + abstracts on WWW | 15 July 2012 |
| • Registration and payment deadline | 31 July 2012 |
| • WORKSHOP | 15 - 19 October 2012 |
| • Papers due | December 2012 |
| • Publication of proceedings (on-line) | March 2013 |

The second circular will contain further details including information about

- invitation letters for visa
- social events
- registration fee and methods of payment
- hotel accommodation and registration deadlines
- abstract preparation and submission
- poster format
- paper formats and submission



Contact Addresses

=====

Workshop LOC E-mail: IntegralWorkshop2012@apc.univ-paris7.fr

Workshop page: <http://IntegralWorkshop2012.in2p3.fr>

Secretary : Sarodia Vydelingum
AstroParticule et Cosmologie (APC)
10, rue A. Domon et L. Duquet
75205, Paris Cedex 13
France

Tél : +33 (0)1 57 27 69 35

Fax : +33 (0)1 57 27 60 71

François Lebrun
AstroParticule et Cosmologie (CEA/IRFU)
10, rue A. Domon et L. Duquet
75205, Paris Cedex 13
France

Tél: +33 (0)1 57 27 60 97

E-mail: francois.lebrun@apc.univ-paris7.fr

Andrea Goldwurm
AstroParticule et Cosmologie - Paris
Service d'Astrophysique / IRFU / CEA - Saclay
Orme des Merisiers, Bat. 709
91191, Gif sur Yvette
France

Tel (CEA): +33 (0)1 69 08 86 69

Tel (APC): + 33 (0)1 57 27 60 58

E-mail: andrea.goldwurm@cea.fr

Christoph Winkler
Research and Scientific Support Department
Astrophysics and Fundamental Physics Mission Division
ESA-ESTEC
Keplerlaan 1
2201 AZ Noordwijk
The Netherlands
Phone: +31-71-565-3591
E-mail: christoph.winkler@rssd.esa.int