

CURRICULUM VITAE et STUDIORUM

Dr.ssa Angela Bazzano:

Born in Italy, Rosarno (R.C.) on 12/2/53.

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Education :

- Degree in Physics, Roma 30-5-79. Score 110/110 with discussion of the thesis "Affidabilità delle valutazioni teoriche degli indicatori di evoluzione galattica e attesa influenza evolutiva degli elementi del gruppo CNO" performed with Prof. V. Castellani.
- June 1979 to October 1982 - collaboration with the group "Space Astrophysics at IAS" with active participation on numerous balloon borne experiments.

Position :

- On 16/11/1982 appointed to permanent position at IAS as researcher in the Space Astrophysics group.
- On 12/05/2006 appointed for position as "Primo Ricercatore II livello", Area Disciplinare Scienze dell'Universo at CNR.
- ESA Astronomy Working Group Advisory member to cover the period 2004-2006 inclusive.
- Chairman of the INTEGRAL USER Group for the European Space Agency, appointed by the ESA Science Director, to cover the period 2011-2013 inclusive

PREVIOUS RESEARCH ACTIVITY

Since 1982, Co-Investigator on a number of experiments, being in charge of the scientific objectives of such experiment and with active role in the design and production of the experiments themselves. Part of the team during 14 launch campaigns from Italy, Brazil and Australia and contributing also to the scientific exploitation of the collected data. Highlights of these experiments include: first detection of hard x-ray emission from Cluster of galaxies, first detection of hard X-ray variability in the galactic Centre, Hard X-ray emission from Sco X-1, hard X-ray emission from Sn1987A.

- December 1989 is Co-Investigator and Scientific responsible for the Italian–Russian X-ray experiment, MART-LIME on board the international satellite SPECTRUM X-Gamma.
- Since 1990, participating to the definition of the main scientific objectives for the "Model Payload" during the Phase A study of the ESA Integral satellite as support for Science Team.
- Since 1993, Co-Investigator of the IBIS consortium and has the role of "Calibration Scientist" for the experiment
- Has been responsible for the ASI founded programme "Wide Field Cameras" in the framework of the CORE PROGRAMME of the Italian BeppoSAX satellite in collaboration with SRON. On this programme, has been Co-Investigator of all approved proposals from AO1 to AO6 for the exploitation of the Galactic Centre region and related Target of Opportunity proposals. Part of the team in charge of the observations in Secondary time and to construct the X-Ray WFC catalogue.
- Has been responsible for the ASI founded programme, n. IR/065/02 "X-ray Binaries sources from BeppoSAX to INTEGRAL: data from current satellites and archival data", in the period 2001-2003, in collaboration with IASF-Palermo.
- For the IBIS programme has been also coordinator of the "Science Group" aimed to the main scientific objectives selection in the framework of the Galactic Plane Survey, one of the 2 main topics of the INTEGRAL CORE PROGRAMME.

CURRENT RESEARCH

- Continuing as IBIS Co-Investigator and responsible for the scientific investigation of the CORE PROGRAMME data on the topic: X-Ray Busters, and 1E1740.7-2942. Furthermore, as "Calibration

Scientist” still co-ordinating the team in charge of the Instrument calibration and verification as well as for the analysis of the in-flight related data.

- Responsible of the ASI founded research “Scientific exploitation of IBIS/INTEGRAL data: a set of data to discern the γ -ray domain “for the INTEGRAL Core Programme in collaboration with the involved IBIS Italian institutes in the framework of the ASI Contract ASI-IR 046/04.
- Responsible of the ASI founded research “Scientific exploitation of the INTEGRAL Guest observer Data and follow up observations with XMM-Newton, Chandra, RXTE and Ground telescope” in the framework of the research contract between ASI and INAF “Supporto all’analisi dati nel campo dell’astrofisica delle alte energie, Prot.N. 2373/05/ OA.

APPOINTMENTS

- 1987 - referee for “ X-ray Astronomy“ upon request of the Australian department for Scientific Research
- 1988 - 1992 has been elected by the Institute to be part of the Scientific Committee in charge for the Institute activity.
- On July 2000 has been designed as member of the working team (5 members) for the Universe Science topics” fro the Italian Space Agency with the aim to refereeing and selecting within 607 proposals for founding.
- On September 2003 member of the Working Group to define the answer for the ASI call in the framework of the contract related to High energy Astrophysics.
- Member of the Time Allocation Committee (TAC) for the scientific evaluation of the INTEGRAL proposal “GUEST OBSERVER “in the panel COMPACT OBJECTS (black holes candidates, neutron stars in binary systems, isolated neutron stars and galactic jet sources) for the past AO1 (2001), AO2(2003), AO3(2004) and AO4(2006).
- ESA Astronomy Working Group Advisory member, designed by the ESA Science Director, to cover the period 2004-2006 inclusive.
- Starting from June 2006 to April 2007 is **member**, appointed by the INAF President, of the **Consiglio Scientifico INAF**
- Starting from 2005 is member of Collegio dei Docenti per il Dottorato di Ricerca at the **Dipartimento di Fisica, Universita` di Roma "Tor Vergata"**
- Has been responsible for or coordinator of many programmes for the scientific exploitation in the Area of RELATIVISTIC ASTROPHYSICS, founded via ASI contracts (n. I/R/065/02, n. I/R/041/02, n. I/R/046/04, n. I/R/023/05, n. I/R/008/07)
- Has been many times part of committees for selection of temporary position , fellowship for INAF and CNR
- Has been acting many times as referee for Astronomy& Astrophysics, Astrophysical Journal, MNRAS
- Has been in the Scientific Organizing Committee of many workshop and recently Main Organizer of the Event E16 (The Transient Gamma ray sky) at the 38th Cospar meeting, July 2010
- Has been Referee for PHD thesis as well as responsible for 3 PHD Thesis at University of Roma, Tor Vergata in 2007, 2008 and 2010.
- Member of the INTEGRAL USER Group for the European Space Agency, appointed by the ESA Science Director, to cover the period 2009-2011 inclusive.
- Chairman of the INTEGRAL USER Group for the European Space Agency, appointed by the ESA Science Director, to cover the period 2011-2013 inclusive.
- Extension as Chairman of the INTEGRAL USER Group for the European Space Agency, appointed by the ESA Science Director, to cover the period 2014 inclusive.

PUBLICATIONS

First author/Co-Author in more than 220 scientific publications on international refereed journal in the X- and gamma-ray field concerning both instrumentation and related issues and scientific data analysis.