

Scientific Event Report

E **Research in Astrophysics from Space**

E1.12 **The Hot and Energetic Universe with the Large X-ray Observatory
Athena**

Main Scientific Organizer *Piro, Luigi*
Deputy Organizer *Fabian, Andy*

Date: Sun, Jul 31, 2016. Room: 3B42

E1.12-0001-16 09:30 - 10:00 (solicited)

Athena Mission Status

Lumb, D

E1.12-0002-16 10:00 - 10:30 (solicited)

Athena Science Status

Fabian, Andy

E1.12-0003-16 10:30 - 11:00 (solicited)

The Athena Mirror

Wille, Eric

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E1.12-0004-16 (WITHDRAWN) 11:30 - 11:55 (solicited)

High resolution imaging X-ray spectroscopy: the X-IFU instrument on Athena

Pajot, François

E1.12-0005-16 (WITHDRAWN) 11:55 - 12:20 (solicited)

The Wide Field Imager for Athena

Rau, Arne

E1.12-0006-16 12:20 - 12:45 (solicited)

Athena Mission performance

Piro, Luigi

E1.12-0007-16 (WITHDRAWN) 12:45 - 13:00

Hydrodynamical cosmological simulations and optimization of Athena's observational strategies

Rasia, Elena; Borgani, Stefano; Mazzotta, Pasquale; Bourdin, Herve; Murante, Giuseppe; Biffi, Veronica; Planelles, Susana

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E1.12-0008-16 14:00 - 14:20 (solicited)

The evolution of galaxy groups and clusters

Mazzotta, Pasquale

E1.12-0009-16 14:20 - 14:40 (solicited)

AGN feedback in galaxy clusters and groups

Hardcastle, Martin

E1.12-0010-16 14:40 - 15:00 (solicited)

Astrophysics of galaxy clusters

Ettori, Stefano

E1.12-0011-16 15:00 - 15:15

Studying high redshift galaxy groups with the Athena Wide-Field-Imager

Pacaud, Florian; Lovisari, Lorenzo; Ramos Ceja, Miriam Elizabeth; Reiprich, Thomas

E1.12-0012-16 (WITHDRAWN) 15:15 - 15:30

High-Energy activity in the central molecular zone: present X-ray view, future observations and Athena prospects

Goldwurm, Andrea; Terrier, Regis

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E1.12-0013-16 17:00 - 17:20 (solicited)

The light up and early evolution of high redshift Supermassive Black Holes

Comastri, Andrea; Aird, James; Lanzuisi, Giorgio; Brusa, Marcella

E1.12-0014-16 17:20 - 17:40 (solicited)

Studying transient events with Athena

O'Brien, Paul

E1.12-0015-16 17:40 - 18:00 (solicited)

The close environment of Supermassive Black Holes

Matt, Giorgio

E1.12-0016-16 18:00 - 18:15

A model for testing strong gravity via X-ray reflection spectroscopy

Bambi, Cosimo; Cardenas-Avendano, Alejandro; Nampalliwar, Sourabh

E1.12-0017-16 (WITHDRAWN) 18:15 - 18:30

Shedding light on the environment of AGN with Athena

Ricci, Claudio

Date: Mon, Aug 01, 2016. Room: 3B42

E1.12-0018-16 09:30 - 09:50 (solicited)

Understanding the build-up of supermassive black holes and galaxies

Carrera, Francisco; Georgakakis, Antonis; Ueda, Yoshihiro

E1.12-0019-16 (WITHDRAWN) 09:50 - 10:10 (solicited)

Can supermassive black holes influence the evolution of galaxies?

Tombesi, Francesco

E1.12-0020-16 (WITHDRAWN) 10:10 - 10:30 (solicited)

Physics of Accretion

Done, Chris

E1.12-0021-16 (WITHDRAWN) 10:30 - 10:45

X-ray Binary Populations and their Role as a Feedback Mechanism in Cosmological Scales

Fragos, Tassos; Lehmer, Bret; Basu-Zych, Antara; Hornschemeier, Ann; Zezas, Andreas; Tzanavaris, Panayiotis; Ptak, Andrew

E1.12-0022-16 (WITHDRAWN) 10:45 - 11:00

Activities for the High Energy Astrophysics Domain (AHEAD)

Mountrichas, George; Georgantopoulos, Ioannis

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E1.12-0023-16 (WITHDRAWN) 11:30 - 11:50 (solicited)

Athena prospects for the study of the end points of stellar evolution

Bozzo, Enrico; Schwobe, Axel

E1.12-0024-16 (WITHDRAWN) 11:50 - 12:10 (solicited)

The astrophysics of supernova remnants and the interstellar medium

Williams, Brian

E1.12-0025-16 12:10 - 12:30 (solicited)

Science enabled by ATHENA: Solar system targets and exoplanets

Branduardi-Raymont, Graziella

E1.12-0026-16 (WITHDRAWN) 12:30 - 12:45

Spectral characterization of hot subdwarf stars with ATHENA+

La Palombara, Nicola; Mereghetti, Sandro

E1.12-0027-16 12:45 - 13:00

Athena's Constraints on the Dense Matter Equation of State from Quiescent Low Mass X-ray Binaries

Guillot, Sebastien

Poster Program
