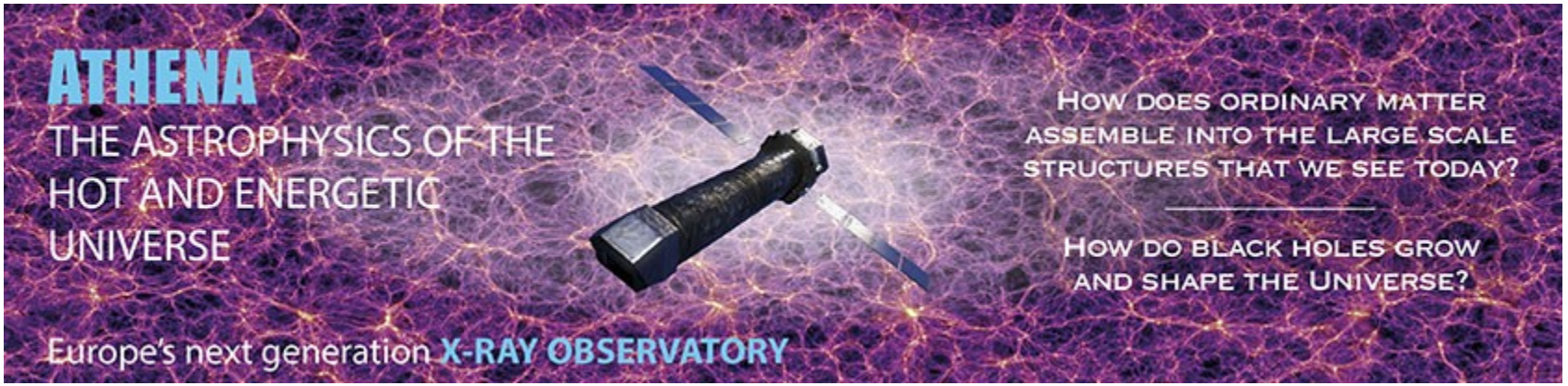

The Hot and Energetic Universe with Athena

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ROMA TRE
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Vulcano, May 24, 2014

STRONGGRAVITY
EU FP7-SPACE research project 312789 2013 - 2017

Athena in the ESA CV program

March 2013: call for scientific themes and related mission concepts for ESA's CV L2 (2028) and L3 (2035) slots. *Ad hoc* Senior Survey Committee (SSC) appointed

May 2013: *The Hot and Energetic Universe* theme and the Athena+ mission concept submitted

September 2013: the theme and the mission concept presented at a public conference in Paris together will all other proposals

October 2013: *The Hot and Energetic Universe* and *The Gravitational Universe* themes recommended by SSC for L2 and L3, respectively

November 2013: SSC recommendation endorsed and approved by SPC

December 2013: drop of + in the name. Back to **Athena**!

February 2014: call for missions addressing *The Hot and Energetic Universe theme*

April 2014: **Athena** mission proposal submitted (SPC decision expected in June)

Coordination Group and Science Teams

ATHENA Coordination Group

Kirpal Nandra, chair (MPE, D)
Xavier Barcons (IFCA, ES)
Didier Barret (IRAP, F)
Andy C. Fabian, (Cambridge, UK)
Jan-Willem den Herder (SRON, NL)
Luigi Piro (IASF, I)
Mike Watson (Leicester, UK)

ATHENA Science working Groups

— The evolution of galaxy groups and clusters *(E. Pointecouteau, T.H. Reiprich et al.)*
— The astrophysics of galaxy groups and clusters with Athena *(S. Ettori, G. W. Pratt, et al.)*
— AGN feedback in galaxy clusters and groups *(J.H. Croston, J.S. Sanders et al.)*
— The missing baryons and the warm-hot intergalactic medium *(J. Kaastra, A. Finoguenov et al.)*
— The formation and growth of the earliest supermassive black holes *(J. Aird, A. Comastri et al.)*
— Understanding the build-up of supermassive black holes and galaxies *(A. Georgakakis, F. Carrera et al.)*
— Astrophysics of feedback in local AGN *(M. Cappi, C. Done, et al.)*
— The close environments of supermassive black holes *(M. Dovciak, G. Matt et al.)*
— Solar system and exoplanets *(G. Branduardi-Raymont, S. Sciortino et al.)*
— Star formation and evolution *(S. Sciortino, G. Rauw et al.)*
— End points of stellar evolution *(C. Motch, J. Wilms et al.)*
— The astrophysics of supernova remnants and the interstellar medium *(A. Decourchelle, E. Costantini et al.)*
— Luminous extragalactic transients *(P. Jonker, P. O'Brien et al.)*

www-the-athena-x-ray-observatory.eu