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Athena, the next large ESA mission to study the Hot and Energetic Universe

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The hot and energetic Universe has been selected by ESA as its next large class mission with a scheduled launch date in 2028. This mission will have a large collecting area (2 m²) with focussing optics and in the focal plane two interchangeable instruments: a Si-based DEPFET detector which is optimised for its field of view and its count rate capability. The second instrument is a cryogenic calorimeter array which is optimised for its high spectral resolution. In this presentation we will describe the science and instrumentation of this challenging mission.

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