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【6】 The CHEOPS Mission: Goals and Challenges

Tuesday 22 August 2017 17:00 (45 minutes)

CHEOPS (Characterising ExOPlanet Satellite) is the first exoplanet mission dedicated to the search for transits of exoplanets by means of ultrahigh precision photometry of bright stars already known to host planets. CHEOPS is also the first S-class mission in ESA's Cosmic Vision 2015-2025 programme and is scheduled to launch end of 2018. The mission is a partnership between Switzerland and ESA's science programme with important contributions from Austria, Belgium, France, Germany, Hungary, Italy, Portugal, Spain, Sweden, and the United Kingdom. In this presentation I will give an overview of the scientific goals of the mission and discuss some of the challenges encountered.

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