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Scientific Motivation and Requirements for Future Space Astronomy and Solar System Science Missions (2)

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DETECTING TRANSITING PLANETS WITH THE SPACE TELESCOPE GAIA

Abstract

The space telescope Gaia was launched in December 2013 by ESA. Gaia is expected to revolutionize astronomy, in terms of the amount and precision of data it will provide on the whole universe, in all fields of astronomy. This talk will review the specific effort to detect transiting extrasolar planets with Gaia, and the unique way it will bring together space-based data and ground-based observations by professional as well as amateur astronomers.