



Department of Space

# CZT Imager of AstroSat measures first phase resolved X-ray polarisation of Crab pulsar

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AstroSat, India's multi-wavelength space telescope, has successfully accomplished the extremely difficult task of measuring X-ray polarisation. In a paper published in 'Nature Astronomy', the team has documented the results of their eighteen-month study of the Crab pulsar in the Taurus Constellation and measured the variations of polarisation as this highly magnetised object spins around 30 times every second. This landmark measurement puts up a strong challenge to prevailing theories of high energy X-ray emission from pulsars.

For details, please visit:

<https://www.isro.gov.in/update/06-nov-2017/czt-imager-of-astrosat-measures-first-phase-resolved-x-ray-polarisation-of-crab>

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