

AstroSat – List of publications

as on January 03, 2017

1. **Subramaniam Annapurni et al.**, A HOT COMPANION TO A BLUE STRAGGLER IN NGC188 AS REVEALED BY THE ULTRA-VIOLET IMAGING TELESCOPE (UVIT) ON ASTROSAT, The Astrophysical Journal Letters, Volume 833, No. 2, 19 December 2016.
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3. **A R Rao et al.**: ASTROSAT CZT Imager Observations Of GRB 151006A: Timing, Spectroscopy, and polarisation study, Astrophysical Journal, Sep 2016.
4. **J S Yadav et al.**: AstroSat/LAXPC reveals the high energy variability of GRS 1915+105 in the chi class, Astrophysical Journal, August 2016. arXiv:1608.07023v1 [astro-ph.HE]
5. **Kulinder Pal Singh et al.**: ASTROSAT Mission: Space Telescopes and Instrumentation, Proc. of SPIE, Vol. 9144, 2014
6. **Sindhu, N. Subramaniam, Annapurni; Radha, Anu C** : Simulation of old open clusters for UVIT on ASTROSAT, Research in Astronomy and Astrophysics, Vol.15, No.10, pp.1647-1670, OCT 2015. DOI: 10.1088/1674-4527/15/10/004
7. **Vadawale, S. V.; Chattopadhyay, T.; Rao, A. R.; Bhattacharya, D; Bhalerao, V. B.; Vagshette, N.; Pawar, P.; Sreekumar, S** : Hard X-ray polarimetry with Astrosat-CZTI, Astronomy & Astrophysics, Vol.578, JUN 2015. DOI: 10.1051/0004-6361/201525686
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10. **Chattopadhyay, T; Vadawale, S. V; Rao,A. R; Sreekumar, S;Bhattacharya, D** : Prospects of hard X-ray polarimetry with Astrosat-CZTI ,Experimental Astronomy, Vol.37, No.3, pp.555-577, NOV 2014.DOI: 10.1007/s10686-014-9386-1

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12. **Cote, Patrick :** Wide-field UV imaging - Current capabilities and performance requirements for future missions, *Advances in Space Research*, Vol.53, No.6, pp.982-989, 15 MAR 2014
13. **Ravichandran, S.; Preethi, K; Safonova, M; Murthy, Jayant :** Large scale extinction maps with UVIT, *Astrophysics and Space Science*, Vol.344, No.2, pp.361-364, APR 2013. DOI: 10.1007/s10509-013-1359-8
14. **Panchal, Hardik:** Astrosat: a telescope on a satellite, *Current Science*, Vol.104, No.4, p.412, 25 FEB 2013
15. **Paul, Biswajit :** Astrosat: Some Key Science Prospects, *International Journal of Modern Physics D*, Vol.22, No.1, JAN 2013. DOI: 10.1142/S0218271813410095
16. **Singh, Kulinder Pal :** Grazing incidence optics for X-ray astronomy: X-ray optics *Journal of Optics*, Vol.40, No.3, pp.88-95, JUL-SEP 2011
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21. **Sagdeo, Archana; Rai, S. K; Lodha, Gyan S; Singh, K. P; Yadav, Nisha; Dhawan, R; Tonpe, Umesh; Vahia, M. N:** X-ray characterization of thin foil gold mirrors of a soft X-ray telescope for ASTROSAT, *Experimental Astronomy*, Vol.28, No.1, pp.11-23, AUG 2010. DOI: 10.1007/s10686-010-9183-4
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