

Subject Index

3C 273

Soft X-ray variability of the Bright Quasar 3C273, (*Chulhee Kim*), 283.

Abell 2125

GMRT detection of HI 21 cm-line Absorption from the Peculiar Galaxy in Abell 2125 (*K. S. Dwarkanath & F. N. Owen*), 1.

Binary sources, individual

Observation of Ultra Low Hard X-ray Flux from Cyg X-1 – A Possible Partial Occultation of the X-ray Source (*R. K. Manchanda*), 9.

Spectroscopic Binaries near the North Galactic Pole – Paper 23: HD 111154 (*R. F. Griffin*), 121.

Black hole candidates

Observation of Ultra Low Hard X-ray Flux from Cyg X-1 – A Possible Partial Occultation of the X-ray Source (*R. K. Manchanda*), 9.

Hard X-ray Spectrum of Mkn 421 during the Active Phase (*R. K. Manchanda*), 145.

Black holes, accretion disks, X-rays, stars

Observation of Ultra Low Hard X-ray Flux from Cyg X-1 – A Possible Partial Occultation of the X-ray Source (*R. K. Manchanda*), 9.

Hard X-ray Spectrum of Mkn 421 during the Active Phase (*R. K. Manchanda*), 145.

Cosmology, diffuse radiation

HI Fluctuations at Large Redshifts: I – Visibility Correlation (*Somnath Bharadwaj & Shiv K. Sethi*), 293.

Cosmology, large scale structures

Using HI to Probe Large Scale Structures at $z \sim 3$ (*Somnath Bharadwaj, Biman B. Nath & Shiv K. Sethi*), 21.

HI Fluctuations at Large Redshifts: I – Visibility Correlation (*Somnath Bharadwaj & Shiv K. Sethi*), 293.

Cosmology, observational

Using HI to Probe Large Scale Structures at $z \sim 3$ (*Somnath Bharadwaj, Biman B. Nath & Shiv K. Sethi*), 21.

HI Fluctuations at Large Redshifts: I – Visibility Correlation (*Somnath Bharadwaj & Shiv K. Sethi*), 293.

Cosmology, theory

Using HI to Probe Large Scale Structures at $z \sim 3$ (*Somnath Bharadwaj, Biman B. Nath & Shiv K. Sethi*), 21.

HI Fluctuations at Large Redshifts: I – Visibility Correlation (*Somnath Bharadwaj & Shiv K. Sethi*), 293.

Cyg X-1

Observation of Ultra Low Hard X-ray Flux from Cyg X-1 – A Possible Partial Occultation of the X-ray Source (*R. K. Manchanda*), 9.

Dynamics, galaxy

Deconvolution of Wide-field Images from T-Array (*K. Golap & N. Udaya Shankar*), 251.

Dynamics, stars

Spectroscopic Binaries near the North Galactic Pole – Paper 23: HD 111154 (*R. F. Griffin*), 121.

Spectroscopic Binaries near the North Galactic Pole Paper 24: HD 106104, 109281, 109463 and 110743 (*R. F. Griffin*), 187.

Galaxy, active, starburst

GMRT detection of HI 21 cm-line Absorption from the Peculiar Galaxy in Abell 2125 (*K. S. Dwarakanath & F. N. Owen*), 1.

Hard X-ray Spectrum of Mkn 421 during the Active Phase (*R. K. Manchanda*), 145.

H α Emission Line Morphologies in Markarian Starburst Galaxies (*A. Chitre & U. C. Joshi*), 155.

Soft X-ray variability of the Bright Quasar 3C273 (*Chulhee Kim*), 283.

Variability of Extragalactic Objects in Relation to Redshift, Colour, Radio Spectral Index and Absorption Lines (*D. Basu*), 263.

Galaxy, cluster

GMRT detection of HI 21 cm-line Absorption from the Peculiar Galaxy in Abell 2125 (*K. S. Dwarakanath & F. N. Owen*), 1.

Galaxy, diffuse matter

GMRT Observations of Interstellar Clouds of the 21cm line of Atomic Hydrogen (*Rekshesh Mohan, K. S. Dwarakanath, G. Srinivasan & Jayaram N. Chengalur*), 35.

Galaxy, individual

- GMRT detection of HI 21 cm-line Absorption from the Peculiar Galaxy in Abell 2125 (*K. S. Dwarkanath & F. N. Owen*), 1.
- Hard X-ray Spectrum of Mkn 421 during the Active Phase (*R. K. Manchanda*), 145.
- Soft X-ray variability of the Bright Quasar 3C273 (*Chulhee Kim*), 283.

Galaxy, ionized gas

- Carbon Recombination Lines from the Galactic Plane at 34.5 & 328 MHz (*N. G. Kantharia & K. R. Anantharamaiah*), 51.
- Hydrogen Recombination Lines near 327 MH – II: A Galactic Plane Survey with a $2^\circ \times 6'$ Beam (*D. A. Roshi & K. R. Anantharamaiah*), 81.
- H α Emission Line Morphologies in Markarian Starburst Galaxies (*A. Chitre & U. C. Joshi*), 155.

Galaxy, photometry

- H α Emission Line Morphologies in Markarian Starburst Galaxies (*A. Chitre & U. C. Joshi*), 155.

Galaxy, recombination lines

- Carbon Recombination Lines from the Galactic Plane at 34.5 & 328 MHz (*N. G. Kantharia & K. R. Anantharamaiah*), 51.
- Hydrogen Recombination Lines near 327 MH – II: A Galactic Plane Survey with a $2^\circ \times 6'$ Beam (*D. A. Roshi & K. R. Anantharamaiah*), 81.

Galaxy, structure, kinematics

- GMRT Observations of Interstellar Clouds of the 21cm line of Atomic Hydrogen (*Rekshesh Mohan, K. S. Dwarkanath, G. Srinivasan & Jayaram N. Chengalur*), 35.
- Carbon Recombination Lines from the Galactic Plane at 34.5 & 328 MHz (*N. G. Kantharia & K. R. Anantharamaiah*), 51.
- Hydrogen Recombination Lines near 327 MH – II: A Galactic Plane Survey with a $2^\circ \times 6'$ Beam (*D. A. Roshi & K. R. Anantharamaiah*), 81.

Galaxy, quasars

- Soft X-ray Variability of the Bright Quasar 3C273 (*Chulhee Kim*), 283.
- Variability of Extragalactic Objects in Relation to Redshift, Colour, Radio Spectral Index and Absorption Lines (*D. Basu*), 263.

Galaxies, X-ray

- Soft X-ray Variability of the Bright Quasar 3C273 (*Chulhee Kim*), 283.

HII regions

- Hydrogen Recombination Lines near 327 MHz – II: A Galactic Plane Survey with a $2^\circ \times 6'$ Beam (*D. A. Roshi & K. R. Anantharamaiah*), 81.
Far Infrared Mapping of Three Galactic Star Forming Regions W3(OH), S209 & S187 (*S. K. Ghosh, B. Mookerjee, T. N. Rengarajan, S. N. Tandon & R. P. Verma*), 173.

Interstellar matter, dispersion, Faraday rotation

- HI Fluctuations at Large Redshifts: I – Visibility Correlation (*Somnath Bharadwaj & Shiv K. Sethi*), 293.

Interstellar matter, dust

- Far Infrared Mapping of Three Galactic Star Forming Regions W3(OH), S209 & S187 (*S. K. Ghosh, B. Mookerjee, T. N. Rengarajan, S. N. Tandon & R. P. Verma*), 173.

Mkn 421

- Hard X-ray Spectrum of Mkn 421 during the Active Phase (*R. K. Manchanda*), 145.

Radio lines

- GMRT detection of HI 21 cm-line Absorption from the Peculiar Galaxy in Abell 2125 (*K. S. Dwarkanath & F. N. Owen*), 1.
Using HI to Probe Large Scale Structures at $z \sim 3$ (*Somnath Bharadwaj, Biman B. Nath & Shiv K. Sethi*), 21.
GMRT Observations of Interstellar Clouds of the 21cm line of Atomic Hydrogen (*Rekshesh Mohan, K. S. Dwarkanath, G. Srinivasan & Jayaram N. Chengalur*), 35.
Carbon Recombination Lines from the Galactic Plane at 34.5 & 328 MHz (*N. G. Kantharia & K. R. Anantharamaiah*), 51.
HI Fluctuations at Large Redshifts: I – Visibility Correlation (*Somnath Bharadwaj & Shiv K. Sethi*), 293.

Radio telescope, instrumentation

- Detection, Excision and Statistics of Interference at the Mauritius Radio Telescope (*S. Sachdev & N. Udaya Shankar*), 213.
Real-Time Signal Processor for Pulsar Studies (*P. S. Ramkumar & A. A. Deshpande*), 319.

Radio telescope, Fourier synthesis imaging

- Wide-field Imaging with the Mauritius Radio Telescope (*S. Sachdev & N. Udaya Shankar*), 229.
A Map for a Group of Resonant Cases in a Quartic Galactic Hamiltonian (*N. D. Caran-icolas*), 307.

S187

Far Infrared Mapping of Three Galactic Star Forming Regions W3(OH), S209 & S187
(*S. K. Ghosh, B. Mookerjee, T. N. Rengarajan, S. N. Tandon & R. P. Verma*), 173.

S209

Far Infrared Mapping of Three Galactic Star Forming Regions W3(OH), S209 & S187
(*S. K. Ghosh, B. Mookerjee, T. N. Rengarajan, S. N. Tandon & R. P. Verma*), 173.

Stars, binary

Spectroscopic Binaries near the North Galactic Pole – Paper 23: HD 111154
(*R. F. Griffin*), 121.

Spectroscopic Binaries near the North Galactic Pole Paper 24: HD 106104, 109281,
109463 and 110743 (*R. F. Griffin*), 187.

Stars, light curves

Development of a Three Channel Photometer for UPSO, Naini Tal (*B. N. Ashoka,
Kumar, V. C. Babu, S. Seetha, V. Girish, S. K. Gupta, Ram Sagar, S. Joshi &
P. Narang*), 131.

Stars, neutron pulsars

HI Fluctuations at Large Redshifts: I – Visibility Correlation (*Somnath Bharadwaj &
Shiv K. Sethi*), 293.

Stars, photometry

Development of a Three Channel Photometer for UPSO, Naini Tal (*B. N. Ashoka,
Kumar, V. C. Babu, S. Seetha, V. Girish, S. K. Gupta, Ram Sagar, S. Joshi &
P. Narang*), 131.

Stars, variable

Development of a Three Channel Photometer for UPSO, Naini Tal (*B. N. Ashoka,
Kumar, V. C. Babu, S. Seetha, V. Girish, S. K. Gupta, Ram Sagar, S. Joshi &
P. Narang*), 131.

Stellar orbits

Deconvolution of Wide-field Images from T-Array (*K. Golap & N. Udaya Shankar*),
251.

W3(OH)

Far Infrared Mapping of Three Galactic Star Forming Regions W3(OH), S209 & S187
(*S. K. Ghosh, B. Mookerjee, T. N. Rengarajan, S. N. Tandon & R. P. Verma*), 173.