

SCIENTIFIC PROGRAM

Monday 23 September

09:30–09:50 **L. Padrielli** (Director of the Institute of Radioastronomy CNR)
Introductory remarks – welcome address

Stars and Stellar Objects

Chairperson: L. Padrielli

- 09:50–10:10 **V. Medar**
Radioastronomical measurements of coronal magnetic fields above unipolar sunspots from multifrequency radio observations on Ratan-600
- 10:10–10:30 **M.B. Nechaeva**
Long based interferometry of transient bursts of the solar radio emission
- 10:30–10:50 **T.I. Kaltman**
The model calculations of the thermal and non-thermal radio emission from solar active regions
- 10:50–11:20 *coffee break*
- 11:20–11:40 **A.S. Kutuzov**
The solution of the problem of heating of solar corona and acceleration of solar wind in self-consistent model with wave sources of momentum-energy
- 11:40–12:00 **C. Düsterberg**
HI-Emission in front of extended radio continuum sources in the 30 Doradus region and estimation of spin temperatures
- 12:00–12:20 **A.E. Visser**
A continuum study of NGC 2024: the evolution of dust properties in a star forming region

lunch break (12:20–15:30)

Chairperson: J. Brand

- 15:30–15:50 **A.R. Tieftrunk**
The HII/Molecular cloud complex W3 revisited
- 15:50–16:10 **M. Pérez Gutiérrez**
Shock chemistry in the young bipolar outflow L1157
- 16:10–16:30 **M.A. Voronkov**
Medicina survey of 6.7 GHz methanol masers
- 16:30–17:00 *coffee break*
- 17:00–17:20 **V.V. Golubev**
Discovery of methanol masers at 133 GHz
- 17:20–17:40 **F. Massi**
Molecular clouds bordering HII regions in the star forming complex NGC 6357

Tuesday 24 September

Stars and Stellar Objects –Continued

Chairperson: L. Feretti

- 09:30–09:50 **V. Maitia**
Detection of three binary pulsars at Nancay Observatory
- 09:50–10:10 **A.E. Rodin**
Pulsar VLBI on Kalyazin (Russia) - Kashima (Japan) baseline
- 10:10–10:30 **C.E. Martin**
Pulsar timing observations at Jodrell Bank
- 10:30–11:00 *coffee break*

External Galaxies

Chairperson: L. Feretti

- 11:00–11:20 **M. Zwaan**
An HI selected sample of galaxies: the HI mass function and the surface brightness distribution
- 11:20–11:40 **M. Dumke**
The CO–H₂ conversion factor in galaxies:
What can we learn from bolometer observations?
- 11:40–12:00 **F. Raluy**
CO observations of H₂O megamaser active galaxies
- 12:00–12:20 **D. Van Trung**
Search for water maser emission in starburst galaxies

lunch break (12:20–15:30)

Chairperson: T. Venturi

- 15:30–15:50 **A. Thean**
A neutral hydrogen study of the Seyfert galaxy NGC5033
- 15:50–16:10 **M.S. Clemens**
A giant HI outflow from the pair of interacting galaxies NGC 4490 and 4485
- 16:10–16:30 **A.P. Schoenmakers**
Finding giant radio galaxies in the Westerbork Northern Sky Survey (WENSS)
- 16:30–17:00 *coffee break*
- 17:00–17:20 **I. Prandoni**
A deep 20 cm radio mosaic of the ESP galaxy redshift survey
- 17:20–17:40 **A. Zanichelli**
A radio-selected sample of intermediate redshift galaxy clusters from the NRAO VLA sky survey

Wednesday 25 September

External Galaxies-Continued

Chairperson: C. Fanti

- 09:30-09:50 **L. Pentericci**
PKS 1138-262: a high redshift radio galaxy at the center of a protocluster?
- 09:50-10:10 **J. Kurk**
High resolution spectroscopy of the $z=2.9$ radio galaxy 0943-242
- 10:10-10:30 **L. Koopmans**
The CLASS survey: disk galaxy lenses with elliptical dark matter halos
- 10:30-10:50 **E. Ros**
High precision astrometry over very large angular scales with closure constraints:
the triplet 1803+784, 1928+738, 2007+777
- 10:50-11:20 *coffee break*
- 11:20-11:40 **A.B. Pushkarev**
VLBI total intensity and polarization observations of sources in a complete sample
of BL Lac objects
- 11:40-12:00 **G. Walentynowicz**
1.6 GHz european VLBI network image of a Quasar 3C275.1
- 12:00-12:20 **Y.Y. Kovalev**
Results and analysis of observations for 160 compact extragalactic
radio sources in march 1996

lunch break (12:20-15:30)

Chairperson: R. Fanti

- 15:30-15:50 **S.A. Tyul'bashev**
The investigation of cosmology evolution of compact radio sources at 102 MHz
- 15:50-16:10 **A. Lähteenmäki**
Lorentz factors and viewing angles for active galactic nuclei
- 16:10-16:30 **G. Brunetti**
X-ray emission from powerful radiogalaxies in the framework of unified model
- 16:30-17:00 *coffee break*
- 17:00-17:20 **A. Kraus**
Intra-day-variability of flat-spectrum radio sources:
observations of total and polarized flux
- 17:20-17:40 **V.A. Stolyarov**
Fossil recombination lines of hydrogen and helium on decimeter and meter wavelengths
- 17:40-18:00 **R. Feiler**
Realignment of a black hole misaligned with its accretion disc

Thursday 26 September

*****Telescopes and Techniques*****

Chairperson: L. Gregorini

- 09:30-09:50 **N.N. Kalinichenko**
The raise of accuracy of large HF radiotelescopes
- 09:50-10:10 **G. Michałek**
The Kraków 8-m radio telescope for spectral observation in decimeter band
- 10:10-10:30 **O. Koistinen**
Receiver development at Metsahovi Radio Research Station
- 10:30-11:00 *coffee break*
- 11:00-11:20 **M. Lengruesser**
A twin interferometer for students' training at Bonn
- 11:20-11:40 **S. Dicker**
Mapping the big-bang: a new instrument for observing the CMB on a 1-2 degree scale
- lunch break (11:40-14:00)*
bus leaves for Medicina
- 14:00-18:00 Visit to Medicina Radio Observatory