



YERAC 2004 Programme

Monday, 30 August 2004

9.00- 9.45 Registration with Tea/Coffee

9.45-10.00 Welcoming Remarks

Pulsars, Supernova Remnants and Planetary Nebulae

10.00-10.20 Krzysztof Krzeszowski *Long-term monitoring of the radio flux from PSR~B0329+54***Abstract**

10.20-10.40 Oleg Malov *Integrated radio luminosities of pulsars***Abstract**

10.40-11.00 Alessandro Corongiu *Double telescopes timing analysis of the binary pulsar PSR~J1811-1736***Abstract**

11.00-11.50 Peter Duffy *Review: Particle acceleration in astrophysics*

11.50-12.10 Paul Dempsey *Particle acceleration at relativistic shock fronts***Abstract**

12.10-12.30 Brian Reville *Modeling particle acceleration and radio emission in young supernovae***Abstract**

12.30-13.45 LUNCH

13.50-14.10 Krzysztof Maciesiak *Monte Carlo simulations of pulsar radio emission***Abstract**

14.10-14.30 Stephen Bourke *The Supernova Remnant CTB80***Abstract**

14.30-14.50 Luciano Cerrigone *Radio characteristics of young planetary nebulae***Abstract**

Young Stars and Young Stellar Objects

14.50-15.40 Matt Redman *Review: Molecular line emission and the initial conditions of star formation***Abstract**

15.40-16.00 Vera Konyves *Young stellar objects in the LDN1188 dark cloud complex***Abstract**

16.00-16.20 BREAK

16.20-16.40 Katrin Kampgen *A 1.2~mm survey of Bok globules***Abstract**

16.40-17.00 Francesco Fontani *A Search for high-mass protostars***Abstract**

17.00-17.20 Eva Karlsson *Observations of the CO J=5-4 line in Orion using the Odin satellite***Abstract**

Tuesday, 31 August 2004

Microquasars, Stellar Jets and Stellar Outflows

9.30- 10.20 Tom Ray *Review: Probing outflows from young stars*

10.20-10.40 Ciriaco Goddi *Kinematics of H₂O masers towards high-mass Young Stellar Objects*

10.40-11.00 Iain Brown *Microquasar observations at Jodrell Bank Observatory and the GMRT* **Abstract**

11.00-11.20 Elena Gallo *Power output of X-ray binary jets***Abstract**

11.20-11.40 TEA/COFFEE

Active Galactic Nuclei

11.40-12.30 Denise Gabuzda *Review: Relativistic motion in the jets of AGN*

12.30-12.50 Anke Pagels *Millimetre VLBI monitoring of AGN with sub-mas resolution***Abstract**

12.50-13.10 Shane O'Sullivan *The Parsec-scale polarisation structure of a sample of high-z quasars*

13.10-13.30 Iliia Pashchenko *The Core-region rotation measures of BL Lac objects*

13.30-14.45 LUNCH

14.50-15.10 Sarah Croke *The Physical conditions in the parsec-scale jet of Mrk501*

15.10-15.30 Krisztina Gabanyi *Searching for Intraday Variability in the quasar B2005+403***Abstract**

15.30-15.50 Hayley Bignall *The "Interstellar telescope" as a probe of micro-arcsecond scale structure in AGN***Abstract**

15.50-16.10 Andreas Papageorgiou *Helical magnetic fields in radio jets*

16.10-16.30 Alexander Pushkarev *AGN with spine--sheath structures on parsec scales*

16.30-16.50 BREAK

16.50-17.10 Eimear O'Callaghan *VSOP and VLBA observations of the BL Lac object 0735+178*

17.10-17.30 Vasilii Vitrichchak *Parsec-scale circular polarisation measurements of AGN*

17.30-17.50 Manuel Perucho *Simulations of perturbed parsec-scale relativistic jets and 3C273*[Abstract](#)

Wednesday, 1 September 2004

EXCURSION TO TIMOLEAGUE FRIARY, RING FORTS, STONE CIRCLES IN WEST CORK

Thursday, 2 September 2004

Other Active Galaxies and Radio Galaxies

9.40- 10.00 Andy Biggs *Missing images in the lens B0128+437*[Abstract](#)

10.00-10.20 Rodrigo Parra *Modelling the OH maser emission in the galaxy III Zw 35*[Abstract](#)

10.20-10.40 Alessandra Rossetti *Statistical studies of compact, steep-spectrum sources*[Abstract](#)

10.40-11.00 Dorota Koziel *Investigations of giant extragalactic radio sources*[Abstract](#)

11.00-11.20 Marica Branchesi *Radio galaxies in an X-ray selected sample of Clusters ($0.3 < z < 0.8$)*[Abstract](#)

11.20-11.40 TEA/COFFEE

11.40-12.00 Bjorn Emonts *Origin and evolution of radio galaxies investigated with HI observations*[Abstract](#)

12.00-12.20 Nick Seymour *Faint source counts at 20cm and the nature of the faint radio population*[Abstract](#)

Spiral Galaxies

12.20-12.40 Rosita Paladino *Radio continuum and CO emission in spiral galaxies*[Abstract](#)

12.40-13.00 Katarina Kovac *A Search for the lowest mass galaxies: The HI view*[Abstract](#)

13.00-14.30 LUNCH

14.30-14.50 Benita Freliha *HI absorption in nearby disk galaxies*[Abstract](#)

14.50-15.10 Jorge Pineda *CI measurements in metal-poor environments*[Abstract](#)

15.10-15.30 Franz Kenn *The Dark halo in the spiral galaxy NGC755*[Abstract](#)

15.50-16.10 Alex Wood *Gravitational microlensing and the structure of our Galaxy*[Abstract](#)

16.10-17.00 POSTER VIEWING

Friday, 3 September 2004

Instruments and Techniques

9.00- 9.20 Massimo Candotti *The HIFI Instrument for the ESA Herschel Space Observatory***Abstract**

9.20-9.40 Mikko Parviainen *Quick point source extraction from Planck satellite data***Abstract**

9.40-10.00 Emily Gleeson *The High Frequency Instrument on the ESA Planck Surveyor Satellite***Abstract**

10.00-10.50 John Richer *Review: High frequency radio astronomy: science and techniques*

10.50-11.10 Gary Cahill *QUAD, a CMB polarisation experiment for the South Pole*

11.10-11.30 TEA/COFFEE

11.30-11.50 Denise Gabuzda *A Radio Telescope for Ireland*

11.50-12.10 Karlis Berzins *Methanol maser observations with the VIRAC RT-32 at 12~GHz***Abstract**

12.10-12.30 Susanna Tokhchukova *Realization of a new regime of observations at RATAN-600***Abstract**

12.30-12.50 Olga Suarez Fernandez *PARTNER: A Radio telescope for educational use***Abstract**

12.50-13.40 Niall O'Murchadha *Gravitational waves and their detection*

END OF CONFERENCE