

MONDAY 19/5

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|-------------|------------------------------|--|
| 10:30-11:10 | Neal Evans | <i>Star Formation: From Far to Near</i> |
| 11:10-11:30 | Inga Kamp | <i>Highlights from the Herschel Key Program GASPS: gas evolution and water content of protoplanetary disks</i> |
| 11:30-11:50 | Pablo Castellanos Nash | <i>C60 in PDRs</i> |
| 11:50-12:10 | Oscar Hernan Ramirez Agudelo | <i>All you need to know about rotation in massive stars</i> |
| 12:10-12:30 | Matthew Kenworthy | <i>The giant ring system seen in eclipse around J1407b</i> |

Lunch

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|-------------|-----------------------|--|
| 13:45-14:05 | Ludmila Carone | <i>Weather on strange new worlds: A troposphere benchmark model for a tidally locked terrestrial planet around an M dwarf star</i> |
| 14:05-14:25 | Rosina Hein Bertelsen | <i>Tracing the planet forming regions with CO</i> |
| 14:25-14:45 | Sérgio Batista | <i>Polarimetry of Venus</i> |
| 14:45-15:05 | Tjibaria Pijloo | <i>The initial conditions of Galactic globular clusters</i> |
| 15:05-15:20 | Ming Lyu | <i>Investigating the mHz QPO in the neutron-star low-mass X-ray binary 4U 1636-53</i> |

Coffee & planetarium

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| 16:00-16:20 | Nanda Rea | <i>Magnetars explosive emission</i> |
| 16:20-16:40 | Charlotte Sobey | <i>Investigating astrophysical plasmas using LOFAR observations of pulsars</i> |
| 16:40-17:00 | Marco Iacobelli | <i>Studying Galactic interstellar turbulence through fluctuations in synchrotron emission with LOFAR</i> |
| 17:00-17:20 | Matthew Maniscalco | <i>TNO contributions of Astronomical Instrumentation: past, present and future</i> |
| 17:20-18:20 | NOVA (Ewine van Dishoeck) & SRON (Rens Waters) Town Hall | |
| 18:30-20:30 | Dinner | |
| 18:30-20:30 | Planetarium sessions | |
| 20:30-21:30 | Leo Kouwenhoven | <i>Majoranas</i> |
| 21:30-22:30 | Borrel & poster session | |

TUESDAY 20/5

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|-------------|--|---|
| 09:00-09:30 | Joop Schaye | <i>The EAGLE project</i> |
| 09:30-10:00 | Michiel Hogerheijde | <i>ALMA probes the formation and evolution of stars and planetary systems</i> |
| 10:00-10:30 | Stijn Buitink | <i>Cosmic ray mass composition measurements with LOFAR</i> |
| 10:30-11:10 | Licia Verde | <i>CMB polarization, the next frontier</i> |
| 11:10-11:30 | Coffee | |
| | Parallell sessions - see reverse | |
| 17:00-17:20 | Rob Rutten | <i>Solar Hα: extraordinary diagnostic thanks to a cool gap and a hot memory</i> |
| 17:20-17:40 | Amin Aminaie | <i>The Detection of Redshifted 21 cm HI Radio Signal on the Moon Surface</i> |
| 17:40-18:00 | Julija Bagdonaite | <i>Probing the constancy of physical law over cosmic history</i> |
| 18:00-18:20 | Erik Arends | <i>Universe Awareness</i> |
| 18:30-20:30 | Dinner | |
| 20:30-21:30 | Bowling tournament, Planetarium sessions | |

WEDNESDAY 21/5

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|-------------|--|---|
| 09:00-09:20 | Roelof de Jong | <i>4MOST and the Dutch Community</i> |
| 09:20-09:40 | Marc Verheijen | <i>Science with APERTIF, the new wide-field radio camera for the WSRT</i> |
| 09:40-10:00 | Marijn Franx | <i>Update on JWST</i> |
| 10:00-10:20 | George Heald | <i>The LOFAR Multifrequency Snapshot Sky Survey (MSSS)</i> |
| 10:20-10:40 | Henk Hoekstra | <i>Cosmology & More with Euclid</i> |
| 10:40-11:15 | Coffee & award of poster prize | |
| 11:15-12:15 | ASTRON (Mike Garrett) & NWO (Ronald Stark) Town Hall | |
| | Lunch | |
| 13:10-13:30 | Jeroen Franse | <i>An unidentified line in X-ray spectra of the Andromeda galaxy and Perseus galaxy cluster</i> |
| 13:30-13:50 | Sander Bus | <i>Intuitive model for 21cm power spectrum of the epoch of reionization</i> |
| 13:50-14:10 | Betsey Adams | <i>Ultra-compact High Velocity Clouds: Candidate Local Group Galaxies?</i> |
| 14:10-14:30 | Flor Allaert | <i>The relation between gas, dust and total mass in edge-on spiral galaxies</i> |
| 14:30-14:50 | Katinka Gereb | <i>Probing the gas content of radio AGN through HI absorption stacking</i> |
| 14:50-15:10 | Sebastien Viaene | <i>Andromeda in all colours: Dust scaling relations at sub-kpc resolution</i> |
| 15:10-15:50 | Coffee | |
| From 15:30 | Bus back to Leiden Centraal | |

PARALLEL SESSION 1 - FORMATION AND EVOLUTION OF GALAXIES: FROM HIGH REDSHIFT TO THE PRESENT

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|-------------|-------------------------|---|
| 11:30-11:50 | Steven Rieder | <i>Environmental evolution in the cosmic web</i> |
| 11:50-12:10 | Marcello Cacciato | <i>Galaxies Under The Lens</i> |
| 12:10-12:30 | Gert De Geyter | <i>3D radiative transfer modeling and multi-wavelength decomposition of edge-on spiral galaxies</i> |
| | Lunch | |
| 14:00-14:20 | Annelies Cloet-Osselaer | <i>Dwarf galaxy merger trees</i> |
| 14:20-14:40 | Hans Buist | <i>The effects of a smoothly growing galaxy on the evolution and properties streams</i> |
| 14:40-15:00 | Sumana Nandi | <i>Confirmation of episodic activity in radio galaxies using GMRT and FIRST data</i> |
| 15:00-15:20 | Aleksandar Shulevski | <i>Archeology with LOFAR: radio relics and AGN deep time</i> |
| | Coffee | |
| 15:50-16:10 | Wouter Karman | <i>Evidence for high-velocity outflows in massive galaxies at $z \sim 3$</i> |
| 16:10-16:30 | Davide Punzo | <i>Challenges for visualization of HI in galaxies</i> |
| 16:30-16:50 | Bradley Frank | <i>HI and Continuum Morphology of NGC 3998</i> |

PARALLEL SESSION 2 - FORMATION AND EVOLUTION OF STARS AND PLANETARY SYSTEMS

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|-------------|-----------------------------|--|
| 11:30-11:50 | Ciriaco Goddi | <i>Detailed structures of accretion and outflow probed by molecular masers in high-mass protostars</i> |
| 11:50-12:10 | Gilles Otten | <i>The vector Apodizing Phase Plate coronagraph: prototyping, characterization and outlook</i> |
| 12:10-12:30 | Ignas Snellen | <i>Fast spin of the young extrasolar planet Beta Pictoris b</i> |
| | Lunch | |
| 13:45-14:05 | Xiaohu Li | <i>N₂ photodissociation in AGB stars</i> |
| 14:05-14:25 | Theo Khouri | <i>The molecular wind of W Hydrae as seen by Herschel</i> |
| | Break | |
| 14:45-15:05 | Magnus Persson | <i>The water D/H ratio in solar system analogs</i> |
| 15:05-15:25 | Yunhee Choi | <i>Water in a massive star-forming region and the Orion PDR</i> |
| | Coffee | |
| 15:50-16:10 | Sara Alejandra Sans Fuentes | <i>Does the OGLE-III RRab Galactic Bulge Population Show a Metallicity Gradient?</i> |
| 16:10-16:30 | Ehsan Moravveji | <i>Can Asteroseismology Quantify Overshooting and Semi-Convective Mixing in B Stars?</i> |
| 16:30-17:00 | Harold Linnartz | <i>Laboratory Astrophysics - tricks to simulate space on Earth</i> |

PARALLEL SESSION 3 - THE ASTROPHYSICS OF BLACK HOLES, NEUTRON STARS AND WHITE DWARFS

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|-------------|-------------------------|---|
| 11:30-11:50 | Jacco Vink | <i>A minimum Mach number for particle acceleration by astrophysical shocks: $M = \sqrt{5}$</i> |
| 11:50-12:10 | Chiara Ceccobello | <i>Inverse-Compton drag of a Highly Magnetized GRB jet in Stellar Envelope</i> |
| 12:10-12:30 | Jan van Roestel | <i>Sky2Night programme: Rate of intranight optical transients.</i> |
| | Lunch | |
| 13:45-14:05 | Sjoert van Velzen | <i>The upper ten thousand: nature and evolution of radio galaxies</i> |
| 14:05-14:25 | Joeri van Leeuwen | <i>The Young, Relativistic Binary Pulsar J1906+0746</i> |
| 14:45-15:05 | Pim van Oirschot | <i>Binary White Dwarfs in the Milky Way Halo</i> |
| 15:05-15:25 | Thomas Kupfer | <i>The latest discoveries in ultracompact AM CVn type binaries</i> |
| | Coffee | |
| 15:50-16:10 | Alexander van der Horst | <i>Detailed Radio Observations and Broadband Modeling of the Extremely Bright GRB 130427A</i> |
| 16:10-16:30 | Arnim Balzer | <i>The March 2013 Crab Nebula Gamma-Ray Flare</i> |
| 16:30-16:50 | J. Emilio Enriquez R. | <i>Identifying Fast Radio Transients with LOFAR</i> |