
Monday

Session 1: Opening

Chair: Wolf-Rainer Hamann

- 9:00 - 9:10 Conference opening
Wolf-Rainer Hamann
- 9:10 - 9:50 General overview of WR stars (*Review*)
Anthony Moffat

Session 2: WR surveys

- 9:50 - 10:20 Wolf-Rayet content of the Milky Way (*Review*)
Paul Crowther
- 10:20 - 10:40 Finding Wolf-Rayet Stars in the Milky Way - Input to Star Formation and Stellar Evolution
Anthony Marston
- 10:40 - 11:10 *Coffee Break*

Chair: Claus Leitherer

- 11:10 - 11:25 Near-IR and Optical Survey of O2If* and OIf*/WN stars in the Periphery of four Galactic Massive Star Forming Regions
Alexandre Roman-Lopes
- 11:25 - 11:55 Wolf-Rayet stars in the Local Group (*Review*)
Philip Massey
- 11:55 - 12:15 Statistics and characterization of Wolf-Rayet stars in M81 young star
Víctor Gómez-González
- 12:15 - 12:35 Finding new Wolf-Rayet-Stars in the Magellanic Clouds
Alexander Becker
- 12:35 - 12:55 Luminous Wolf-Rayet stars at very low metallicity
Dominik Bomans
- 12:55 - 13:55 *Lunch Break*

Chair: Jorick Vink

- 13:55 - 14:15 WRs in metal-poor galaxies unveiled from integral field spectroscopy
Carolina Kehrig
- 14:15 - 14:45 WR Stars in Integrated Light Studies of Galaxies (*Review*)
Claus Leitherer
- 14:45 - 15:00 A 2D view of Wolf Rayet Galaxies
Shweta Srivastava
- 15:00 - 15:40 *Discussion 1: Present and future Surveys*
Moderator: *Anthony Moffat* + Poster flash session 1 - 7
- 15:40 - 16:10 *Coffee Break*

Session 3: WR spectroscopy and polarimetry

Chair: Andy Pollock

- 16:10 - 16:40 Spectrum formation in WR stars (*Review*)
D. John Hillier
- 16:40 - 16:55 Worldwide Amateur Observations - A Future of Massive Star Research
Thomas Eversberg
- 16:55 - 17:10 The Results of the ProAm 2013 Wolf-Rayet Campaign
Emily Aldoretta
- 17:10 - 17:40 Studying large and small scale wind asymmetries from spectroscopy and polarimetry (*Review*)
Nicole St-Louis
- 17:40 - 18:00 Structure and fate of binary WR stars: Clues from spectropolarimetry
Jennifer Hoffman

Session 4: WR spectral analysis, parameters, and wind theory

Chair: Richard Ignace

- 9:00 - 9:30 Wind models and spectral analyses (Review)
Wolf-Rainer Hamann
- 9:30 - 9:45 Improving distances to Galactic Wolf-Rayet stars
André-Nicolas Chené
- 9:45 - 10:05 The Discovery and Physical Parameterization of a New Type of Wolf-Rayet Star
Kathryn Neugent
- 10:05 - 10:25 Physical properties of the Wolf-Rayet stars in Westerlund 1
Christopher Rosslowe
- 10:25 - 10:45 Wolf-Rayet stars on the verge to explode: the properties of the WO stars
Frank Tramper
- 10:45 - 11:15 *Coffee Break*

Chair: Dany Vanbeveren

- 11:15 - 11:35 The WR population in the Galactic Center
Francisco Najarro
- 11:35 - 11:55 The WN population in the Magellanic Clouds
Rainer Hainich
- 11:55 - 12:10 Accurate parameters of massive eclipsing binaries in the Danks clusters
Michalis Kouriotis
- 12:10 - 12:25 Time dependent modeling of line profile variability due to clumping
Brankica Kubátová
- 12:25 - 12:40 Evolution of Wolf-Rayet spectra
Adriane Liermann
- 12:40 - 13:10 The true origin of Wolf-Rayet stars (Review)
Jorick Vink
- 13:10 - 14:10 *Lunch Break*

Chair: Francisco Najarro

- 14:10 - 14:30 Hydrodynamic modelling of massive star atmospheres
Andreas Sander
- 14:30 - 14:50 Magnetospheres of massive stars
Manfred Küker
- 14:50 - 15:30 *Discussion 2: Next generation spectroscopic models*
Moderator: *D. John Hillier* + Poster flash session 8 - 14
- 15:30 - 16:00 *Coffee Break*

Session 5: η Car, LBVs

Chair: Peredur Williams

- 16:00 - 16:30 Eta Carinae: Many Advances, but Even More Puzzles (Review)
Ted Gull
- 16:30 - 16:45 Measuring the Dust Properties of the High Mass Ejecta from η Carinae
Patrick Morris
- 16:45 - 17:00 X-ray Monitoring of η Car, 1992-2014
Michael Corcoran
- 17:00 - 17:15 Extremely Hard X-ray Emission from Carinae observed with *XMM-Newton* and *NuSTAR* around Periastron in 2014.5
Kenji Hamaguchi

- 17:15 - 17:35 3D Hydrodynamical and Radiative Transfer Modeling of η Carinae's Binary Colliding Winds
Thomas Madura
- 17:35 - 17:55 Family ties of WR to LBV nebulae yielding clues for stellar evolution
Kerstin Weis
- 17:55 - 18:15 HD 5980: A unique laboratory for understanding massive binary stars
Gloria Koenigsberger
- 19:00 — *BBQ dinner* —

Wednesday

Session 6: Structure & Evolution of WR stars

Chair: Philip Massey

- 9:00 - 9:30 The importance of getting the single-star physics correct in binary evolution
(*Review*)
John Eldridge
- 9:30 - 10:00 Physics of massive stars relevant for the modeling of Wolf-Rayet populations
(*Review*)
Georges Meynet
- 10:00 - 10:20 WR stars from fast rotating massive stars at low metallicity
Dorottya Szécsi
- 10:20 - 10:40 The impact of rotation on WR spectra
Tomer Shenar
- 10:40 - 10:55 Helium stars: Towards an understanding of Wolf-Rayet evolution
Liam McClelland
- 10:55 - 11:25 *Coffee Break*

Chair: Georges Meynet

- 11:25 - 11:40 Observational diagnostic of the unstable envelopes of Wolf-Rayet stars
Luca Grassitelli
- 11:40 - 11:55 Examining WR light curve variability with MOST
Herbert Pablo
- 11:55 - 12:15 How new limits on convection remove old limits on evolution
Tomer Shacham
- 12:15 - 12:35 Are Wolf-Rayet envelopes inflated?
Götz Gräfener
- 12:35 - 12:55 Inflated envelopes of Wolf-Rayet stars leading to extended supernova shock breakout signals
Debashis Sanyal
- 12:55 - 13:50 *Lunch Break*
- 14:00 - 23:00 — *Excursion & Dinner* —

Session 6: Structure & Evolution of WR stars – continued

Chair: Norbert Langer

- 9:00 - 9:30 Massive close binaries in general, WR binaries in particular (Review)
Dany Vanbeveren
- 9:30 - 9:45 Wolf-Rayet runaways: the search for WR+cc binaries
Melissa Muñoz
- 9:45 - 10:05 Wolf-Rayet stars as an evolved stage of stellar life
Cyril Georgy
- 10:05 - 10:20 Ages and masses of LEGUS young massive clusters obtained with different stellar evolution tracks and atmospheres
Aida Wofford
- 10:20 - 10:40 The end stages of massive star evolution: WN and WO stars as SN Ibc progenitors from stellar evolution models
Jose Groh
- 10:40 - 11:10 *Coffee Break*

Chair: Paul Crowther

- 11:10 - 11:25 The Eddington limit and Wolf-Rayet stars
Norbert Langer
- 11:25 - 11:55 Wolf-Rayet stars as supernova progenitors (Review)
Luc Dessart
- 11:55 - 12:40 *Discussion 3: Evolutionary channels leading to LBVs and WR stars*
Moderator: *Norbert Langer*
- 12:40 - 13:40 *Lunch Break*

Session 7: WR-type central stars of PNe

Chair: Gloria Koenigsberger

- 13:40 - 14:10 Wolf-Rayet central stars of planetary nebulae (Review)
Helge Todt
- 14:10 - 14:30 The role of binarity in Wolf-Rayet central stars of planetary nebulae
Brent Miszalski
- 14:30 - 14:50 X-ray emission from planetary nebulae and their central stars
Martín A. Guerrero

Session 8: WR colliding winds, dust

- 14:50 - 15:20 Dust synthesis in carbon-rich Wolf-Rayet colliding winds (Review)
Isabelle Cherchneff
- 15:20 - 15:40 The Colliding-wind WC9+OB binary WR65 and dust formation by WR stars
Peredur Williams
- 15:40 - 15:55 3D Modelling of dust formation in colliding-wind binary WR98a including dust dynamics and radiative transfer
Tom Hendrix
- 15:55 - 16:25 *Coffee Break*

Chair: Michael Corcoran

- 16:25 - 16:55 Shaping the Outflows of Wolf-Rayet Stars (Review)
Shazrene Mohamed
- 16:55 - 17:15 Magnetic fields, non-thermal radiation and particle acceleration in colliding winds of WR+O stars
Diego Falceta-Gonçalves

Session 9: X-rays and WR stars

- 17:15 - 17:45 X-ray emission of Wolf-Rayet stars (Review)
Lidia Oskinova

17:45 - 18:05 High Resolution X-ray spectra of WR 6
David Huenemoerder

Friday

Session 9: X-rays and WR stars – continued

Chair: John Eldridge

- 9:00 - 9:20 Studies of WR+O colliding-wind binaries
Eric Gosset
- 9:20 - 9:40 Hydrodynamic and Radiative Transfer Modeling of X-ray Emission from WRs in Binary & Higher-order Systems
Christopher Russell
- 9:40 - 9:55 The 3XMM-DR4 catalogue of Wolf-Rayet stars
Ada Nebot
- 9:55 - 10:10 Unexpected consequences of Keplers laws in WR 25
Andy Pollock
- 10:10 - 10:50 *Discussion 4: Binaries*
Moderator: *Dany Vanbeveren*
- 10:50 - 11:20 *Coffee Break*

Session 10: WR nebulae

Chair: Isabelle Cherchneff

- 11:20 - 11:50 Wolf-Rayet nebulae and the wind-interstellar medium interaction (*Review*)
Jane Arthur
- 11:50 - 12:10 A consistent spectral model of WR 136 and its associated bubble NGC 6888
Jonnathan Reyes-Pérez
- 12:10 - 12:30 Ring Nebulae: Tracers of the CNO Nucleosynthesis in Wolf-Rayet Stars
Adal Mesa-Delgado
- 12:30 - 12:45 Ionization-Gasdynamics Modelling, and X-ray Spectral Calculations, of Wind-Bubbles around Wolf-Rayet Stars
Vikram Dwarkadas
- 12:45 - 13:00 Diffuse X-ray emission within Wolf-Rayet nebulae
Jesús A. Toalá
- 13:00 - 14:00 *Lunch Break*

Chair: Jennifer Hoffman

- 14:00 - 14:15 The Importance of Wolf-Rayet Ionization and Feedback on Super Star Cluster Evolution
Kimberly Sokal
- 14:15 - 14:30 The Wolf-Rayet Star Population and ISM Interaction in Nearby Starbursts
Jeremy Walsh

Session 11: Closing session

- 14:30 - 15:10 Future perspectives of research on WR stars
Panel Discussion Moderator: *Nicole St-Louis*
- 15:10 - 15:40 Conference summary and closing remarks
Peter Conti
- 15:40 *Coffee Break*

Posters

- 1 P Cygni and its observations at the Abastumani Observatory
Sopia Beradze
- 2 Stellar parameters from photometric data for fainter and more distant WR stars
Joachim Bestenlehner
- 3 The Distribution of WR Stars in M101
Joanne Bibby
- 4 Formation of the infalling Galactic centre cloud G2 by collisions of Wolf-Rayet stellar winds
Diego Calderón Espinoza
- 5 Analysis of the variable Wolf-Rayet star WR6 with CMFGEN
Alex Gormaz-Matamala
- 6 Inversion of X-ray Flux Profiles for Hot Bubbles to Infer Radial Emissivities
Richard Ignace
- 7 New Galactic Wolf-Rayet Stars
Graham Kanarek
- 8 New Spectral and Photometric Observations of P Cygni
Nino Kochiashvili
- 9 Modeling of spectral variability of Romano's star
Olga Maryeva
- 10 Wolf-Rayet in moderately massive young clusters
Sebastian Ramírez Alegría
- 11 Numerical model of the NGC6888 : thermal X-ray emission
Jorge Reyes Iturbide
- 12 The Launching and Structure of Wolf-Rayet Winds
Stephen Ro
- 13 The Wolf-Rayet stars WR102ka and WR102c and their isolation
Martin Steinke
- 14 The Swift monitoring of the colliding wind binary WR 21a
Yasuharu Sugawara