

19th European White Dwarf Workshop, Montréal, Canada, August 11-15, 2014

Monday, August 11th

9h00-9h34 Conference opening

Chair : Kurtis Williams

Atmospheres, Abundance Analyses, Chemical composition

9h34-9h51 *Detection of arsenic in the atmospheres of dying stars*
Pierre Chayer

9h51-10h08 *The frequency of metal-contamination in young DA white dwarfs*
Boris Gaensicke

10h08-10h25 *HD 188112, a He-core white dwarf in a binary system, pre-SN Ia candidate ?*
Marilyn Latour

10h30-11h00 Coffee Break (and posters)

Chair : Jay Holberg

11h00-11h17 *Physical properties of the current census of white dwarfs within 40 pc of the Sun*
Marie-Michèle Limoges

11h17-11h34 *A possible solution to the Lyman/Balmer line problem in hot DA white dwarfs*
Simon Preval

11h34-11h51 *Hydrogen-deficient white dwarfs in the SDSS DR 10*
Nicole Reindl

11h51-12h08 *Near-UV absorption in very cool DA white dwarfs*
Didier Saumon

12h08-12h25 *Trans-iron element abundances in the hot DO RE0503-289 and the prospective search for technetium*
Klaus Werner

12h25-14h00 Lunch Break

Chair : Martin Barstow

Structure and Evolution, Ages

14h00-14h17 *Battle-Scarred Final Masses: White Dwarfs Hacked and Torn by Dying Giants*
Jay Farihi

14h17-14h34 *New light on interior processing of failed core-collapse supernovae*
JJ Hermes

14h34-14h51 *Rotation of White Dwarf Stars*
Steve Kawaler

14h51-15h08 *Rotation and Strong Magnetism of White Dwarfs*
Yevgeni Kissin

15h08-15h25 *On the origin of the hot DQ stars*
Detlev Koester

15h30-16h00 Coffee Break (and posters)

Chair : Judy Provençal

16h00-16h17 *Post-AGB evolution of low- and intermediate-mass stars*
Marcelo Miguel Miller Bertolami

16h17-16h34 *Metal Accretion on White Dwarfs Revisited*
Michael Montgomery

16h34-17h51 *Calibration of the Mixing-Length Theory for White Dwarf Structures*
Pier-Emmanuel Tremblay

18h00 Beer & poster session

Tuesday, August 12th

Chair : Klaus Werner

Structure and Evolution, Ages

- 9h00-9h17 *The very fast evolution of the VLTP object V4334 Sgr*
Peter van Hoof
- 9h17-9h34 *Fingering convection and its consequences for accreting white dwarfs*
Sylvie Vauclair
- 9h34-9h51 *Deriving the Ages of Field White Dwarfs*
Ted von Hippel

Pulsating White Dwarfs, Asteroseismology

- 9h51-10h08 *Method and tools for an objective approach of white dwarf asteroseismology*
Stéphane Charpinet
- 10h08-10h25 *Quasi-Periodic Variations of the Pulsation Frequencies of Three White Dwarfs:
Detection of a Complicated Magnetic Cycle?*
James Dalessio
- 10h30-11h00 Coffee Break (and posters)

Chair : Jurek Krzesinski

- 11h00-11h17 *Parametric modeling in action: High accuracy seismology of Kepler DAV stars*
Noemi Giammichele
- 11h17-11h34 *White dwarfs in the Kepler field*
Sandra Greiss
- 11h34-11h51 *Patterns emerging from the asteroseismic studies of DBVs*
Agnès Kim
- 11h51-12h08 *Nonlinear Analysis of Pulsating White Dwarf Lightcurves: Progress Towards an
Empirical Map of Convection Parameters*
Judith Provencal
- 12h08-12h25 *Pulsations of Pre-White Dwarfs with Hydrogen-dominated Atmospheres*
Hiromoto Shibahashi
- 12h25-14h00 Lunch Break
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Chair : Elizabeth Green

14h00-14h17 *The Frequency Stability of the Pulsating White Dwarf L19-2*
Denis Sullivan

14h17-14h34 *An Update on the Quirks of Pulsating, Accreting White Dwarfs*
Paula Szkody

14h34-14h51 *The instability strip of ZZ Ceti white dwarfs*
Valérie Van Grootel

14h51 Bus to Fourquet-Fourchette

Wednesday, August 13th

Chair : Matt Wood

Disks, Dust, and Planets around White Dwarfs

- 9h00-9h17 *Massive White Dwarfs with Infrared Excesses*
Sara Barber
- 9h17-9h34 *Chasing the brightest white dwarfs with planetary systems*
John Debes
- 9h34-9h51 *New modeling of the Infrared Emission from White Dwarfs with Circumstellar Disks*
Jean Dupuis
- 9h51-10h08 *Evolved planetary systems around very cool and old white dwarfs*
Mark Hollands
- 10h08-10h25 *A Pilot Search for Evidence of Extrasolar Earth-analog Plate Tectonics*
Michael Jura
- 10h30-11h00 Coffee Break (and posters)
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Chair : Valérie Van Grootel

- 11h00-11h17 *Planets around White Dwarf Binaries*
Thomas Marsh
- 11h17-11h34 *Is the oxygen-rich white dwarf SDSSJ1242+5226 accreting water-abundant debris?*
Roberto Raddi
- 11h34-11h51 *The fraction of infrared bright and hidden circumstellar debris at white dwarfs*
Marco Rocchetto
- 11h51-12h08 *A Variable Gaseous Disc Around a Metal Polluted White Dwarf*
David Wilson
- 12h08-12h25 *The Ongoing Search for Planets Around White Dwarf Stars Using Pulsation Timings*
Don Winget
- 12h25-14h00 Lunch Break
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Chair : Alexandros Gianninas

14h00-14h17 *The Drop during Less than 300 days of a Dusty White Dwarf's Infrared Luminosity*
Siyi Xu

14h17-14h34 *The Occurrence of Wide-Orbit Planets in Binary Star Systems*
Benjamin Zuckerman

Fundamental Properties of White Dwarfs

14h34-14h51 *Constraining the Initial-Final Mass Relation Using Wide Double White Dwarfs*
Jeffrey Andrews

14h51-15h08 *Refining our knowledge of the white dwarf mass-radius relation with HST observations of Sirius-type binaries*
Martin Barstow

15h08-15h25 *The eclipsing double white dwarf binary CSS 41177*
Madelon Bours

15h30-16h00 Coffee Break (and posters)

Chair : Enrique Garcia-Berro

16h00-16h17 *Open cluster members and the initial mass-final mass relation*
Sarah Casewell

16h17-16h34 *Constraining the initial-final mass relationship using white dwarf binaries*
Silvia Catalán

16h34-17h51 *Constraints to post-AGB evolution speed and to IFMR derived from planetary nebulae*
Krzysztof Gesicki

17h51-18h08 *The white dwarf luminosity, mass and age functions as revealed by the LAMOST survey of the Galactic Anti-Center*
Alberto Rebassa-Mansergas

18h08 Beer & poster session

Thursday, August 14th

Chair : John Debes

Properties of White Dwarf Populations, Clusters

- 9h00-9h17 *First detection of the White-Dwarf Cooling Sequence of the Galactic Bulge*
Annalisa Calamida
- 9h17-9h34 *A population synthesis study of the MS+WD population in the SDSS*
Enrique García-Berro
- 9h34-9h51 *Commentary and Casual Observations on the SDSS DR7 Spectroscopic Sample*
Jay Holberg
- 9h51-10h08 *Deep Observations of the Open Cluster NGC 6253*
Elizabeth Jeffery
- 10h08-10h25 *A population synthesis study of the white dwarf cooling sequence of 47 Tucanae*
Santiago Torres
- 10h30-11h00 Coffee Break (and posters)
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Chair : Pier-Emmanuel Tremblay

Physical Processes in White Dwarfs

- 11h00-11h17 *Absorption Measurements of Stark-broadened Hydrogen Balmer Line Shapes and Strengths at White Dwarf Photospheric Conditions*
Ross E. Falcon
- 11h17-11h34 *High transparency of photosphere plasma for electromagnetic waves polarized across strong magnetic field on white dwarfs*
Sergey Koryagin

Surveys : Results and Prospects

- 11h34-11h51 *White dwarf pulsations in LSST*
Keaton Bell
- 11h51-12h08 *Targeting white dwarf stars in the HET Dark Energy Experiment*
Barbara Castanheira
- 12h08-12h25 *White Dwarfs in SDSS DR10*
Nicola Pietro Gentile Fusillo
- 12h25-14h00 Lunch Break

Chair : Matt Burleigh

14h00-14h17 *White Dwarf Research with Gaia*
Stefan Jordan

14h17-14h34 *New White Dwarfs in SDSS DR10*
S.O. Kepler

14h34-14h51 *WD planets with GAIA*
Roberto Silvotti

14h51-15h08 *Using White Dwarf Stars to Calibrate the Dark Energy Survey*
Allyn Smith

15h10-15h40 Coffee Break (and posters)

Chair : Silvia Catalán

White Dwarfs in Binaries

15h40-15h57 *Testing common envelope on double white dwarf binaries*
Jose Luis Avendano Nandez

15h57-16h14 *New results on AM CVn binaries from the SDSS*
Philip Carter

16h14-16h31 *The population of white dwarf binaries with hot subdwarf companions*
Stephan Geier

19h00 Conference banquet

Friday, August 15th

Chair : Boris Gaensicke

White Dwarfs in Binaries

- 9h00-9h17 *The Search for the Shortest Period Binary White Dwarfs: The Latest Results from the ELM Survey*
Alexandros Gianninas
- 9h17-9h34 *Formation of low-mass helium white dwarfs in close binaries*
Alina Istrate
- 9h34-9h51 *Recent Millisecond Pulsar-White Dwarf Binary Discoveries*
David Kaplan
- 9h51-10h08 *From SDSS DR7: Lessons on magnetic white dwarfs, composite spectra WD+dM, and progenitors of CVs*
James Liebert
- 10h08-10h25 *Angular Momentum Evolution of the cataclysmic variable V455 Andromedae*
Anjum Mukadam
- 10h30-11h00 Coffee Break (and posters)
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Chair : Paula Szkody

- 11h00-11h17 *Dynamical Masses of Cool White Dwarfs in Double Degenerate Visual Binaries*
Edmund Nelan
- 11h17-11h34 *High precision studies of white dwarfs in post common envelope binaries*
Steven Parsons
- 11h34-11h51 *Evolution of Nova TrA 2008 into a V Sge look-alike: Persistent nuclear burning in a high mass-accretion rate post nova?*
Frederick Walter

Central Stars of Planetary Nebulae

- 11h51-12h08 *Studying the binary central stars of planetary nebulae*
Henri Boffin
- 12h08-12h25 *Evolution of the central stars of young planetary nebulae*
Marcin Hajduk
- 12h25-14h00 Lunch Break
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Chair : S.O. Kepler

14h00-14h17 *Hydrogen deficient central stars of planetary nebulae*
Helge Todt

Supernovae Progenitors, Supernovae

14h17-14h34 *Hot DQ White Dwarf Stars as Failed Type Ia Supernovae*
Bart Dunlap

14h34-14h51 *Observational Signatures of SNIa Progenitors, as Predicted by Models*
Yael Hillman

14h51-15h08 *Gamma-ray emission from the thermonuclear explosion of a white dwarf*
Jordi Isern

15h10-15h40 Coffee Break (and posters)

Chair : Patrick Dufour

15h40-15h57 *Two Candidate Type Ia Progenitors in the Open Cluster NGC 6633*
Kurtis Williams

15h57-16h14 *The physics and fates of merging carbon-oxygen white dwarf binaries*
Chenchong Zhu

16h14 Closing remarks
