

The evolution of compact Binaries: Program

Sunday (Welcome reception):

17:30	Registration
19:00	The musical group "Gustos Reunidos" of the Universidad de Valparaíso presents: "Canto a Neruda"
20:00	Cocktail

Monday:

09:15 Welcome

Session: Introduction to compact binaries

09:30 Ch. Knigge: Introduction to Cataclysmic Variables (review)

10:20 Coffee

11:00 Ph. Charles: Introduction to LMXBs (review)

11:50 S. Chaty: Introduction to HMXBs (review)

12:40 Lunch

14:30 P. Hakala: Fast optical variability in the UCXB X0614+091
(moved from session: Graveyard or Boom)

Session: Close binary formation

14:50 K.M. Kratter: Formation of close binaries (review)

15:40 R. Chini: Most high-mass stars are born as twins

16:00 Coffee

16:30 C. Abate: How did Carbon-enhanced metal-poor stars form?

16:50 Ch. Nitschelm: An investigation on close binaries in the Sco-Cen Complex

17:10 H. Perets: Formation and evolution of compact binaries in triple systems

17:30 Poster presentation

Tuesday	
Session: Common Envelope Physics	
09:00	N. Ivanova: Common Envelopes (review)
09:50	M. Zorotovic: Post Common Envelope Binaries from SDSS: Constraining the Common Envelope Efficiency
10:10	Ph. Davis: Is the common envelope ejection efficiency a function of the binary parameters?
10:30	Coffee
11:00	J.-C. Passy: Simulations of the Common Envelope Interaction using Grid-Based and SPH Codes
11:20	T. Linden: The Importance of Common Envelope Evolution on the Formation of High Mass X-Ray Binaries
11:40	T. Woods: On The Formation of Double White Dwarfs: Reevaluating how we parametrize the Common Envelope
12:00	C. Conrad: Search for wide compact binaries with astrometry
12:20	Lunch
Session: Post Common Envelope Phase	
14:30	G. Hussain: Magnetic Braking (review)
15:20	H. Boffin: When asymmetric cosmic bubbles betray a difficult marriage: the study of binary central stars of Planetary Nebulae
15:40	D. Jones: Spatio-kinematic modelling: Testing the link between planetary nebulae and close binaries
16:00	Posters and Coffee
17:00	R. Heller: Spectral Analysis of white dwarf-M star binaries from the Sloan Digital Sky Survey
17:20	A. Nebot Gomez-Moran: Orbital period of post common envelope binaries
17:40	A. Rebassa: The primary mass distribution of Post-Common-Envelope Binaries
18:00	R. Østensen: Hot subdwarf stars as tracers of binary stellar evolution
18:20	M. Vuckovic: Looking into the bright side of AA Dor
19:30	Public talk by Felix Mirabel: Evolución cósmica de los agujeros negros estelares

Wednesday	
Session: Contact Phase	
09:00	M. van der Sluys: Gravitational Braking (review)
09:50	I. Mandel: Compact Binary Coalescences: Connections to Gravitational-Wave Astronomy
10:10	Posters and Coffee
11:00	E. Breedt: Faint CVs in the SDSS footprint
11:20	M. Pretorius: The space density and X-ray luminosity function of non-magnetic cataclysmic variables
11:40	R. Hamilton: Moderate Resolution NIR Spectra and Modeling of Cataclysmic Variables
12:00	A. Ederoclite: When New Becomes Old: The Old Nova Population Project
12:20	J. Bornak: DIRTY Novae: Modeling dust formation in classical novae
12:40	E. Filippova: Classical Nova explosion in the binary system with B[e] star
13:00	Lunch
15:30	Visit to Valparaíso
19:00	Boat-tour in the harbour
20:00	Conference Dinner

Thursday	
Session: Contact phase (continued)	
09:30	R. Martin: Tidal warping of Be Star Discs
09:50	J. Liska: AV CMi - binary star with surprise
10:10	S. Prodan: Constraint on the Tidal Dissipation Rate and Love Number of the White Dwarf in 4U 1820-30.
10:30	Coffee
11:00	N. Blind: SS Leporis probed with optical interferometry: imaging the mass transfer in a symbiotic system
11:20	Z. Carikova: Creation of neutral disks during outbursts of symbiotic binaries
11:40	A. Skopal: Multiwavelength modeling the SED of symbiotic X-ray binaries
12:00	F. Mirabel: Evolution of massive binaries as a function of metallicity
12:20	Lunch
14:30	F. Valsecchi: Theoretical Modeling of Massive Black Hole X-Ray Binaries
14:50	A. Coleiro: Study of formation, evolution and nature of HMXBs
Session: Graveyard or Boom	
15:10	F. Röpke: SNe Ia as final stage of binary evolution (review)
16:00	Coffee
16:30	J. Claeys: Supernovae type Ia and their progenitor evolution
16:50	F. Forster: Hydrostatic carbon burning in white dwarf stars
17:10	J. Guillochon: Detonating Sub-Chandrasekhar White Dwarfs in Dynamically Unstable Double White Dwarf Systems
17:30	G. Luna: X-ray emission from symbiotic stars - not as soft as you thought they were
17:50	M. Schreiber: The primary mass distributions of CVs and pre-CVs
18:10	E. Mason: U Sco in the context of SN-Ia progenitors

Friday	
Session: Graveyard or Boom (continued)	
09:20	T. Tauris: Binary Pulsars (review)
10:10	E. Ramirez: Gamma Ray Bursts as final stage of binary evolution (review)
11:00	Coffee
Session: Instruments and Telescopes	
11:30	R. Gilmozzi: The E-ELT for binary observations
12:20	J.-P. Berger: Symbiotic binaries at the milli-arcsecond resolution: the PIONIER contribution
12:40	M. van der Sluys: Gravitational waves from LIGO/Virgo
13:00	Closing lunch and final remarks

Posters

- 1) M. Altan: Characterising white dwarf - red dwarf binaries in the SDSS
- 2) O. Ayyildiz: Natural Evolution Process of SS Cyg Based on X-Ray Data Analysis in Very Short Period
- 3) D. Barria: Spectroscopic analysis of AU Mon
- 4) C. Conrad: Search for wide compact binaries with astrometry
- 5) A. Danehkar: The essential role of central star binary in morphological classes of planetary nebulae
- 6) Ph. Davis: Introducing BINSTAR: a new binary evolution code
- 7) L. Hric: Is there any extrasolar planet in the triple pre-cataclysmic system V471 Tau?
- 8) A. Nasserri: Multiplicity of Southern B stars - preliminary results
- 9) C. Nitschelm: A close binary research in the Sco-Cen Complex
- 10) C. Tappert: Emission line profiles in post-common-envelope binaries