

Sunday 9 December 2007

Special Session I: Massive stellar evolution at low metallicity

Chair: Georges Meynet

09:30	Georges Meynet	Welcome
09:40	Nolan Walborn	The Onfp Class in the Magellanic Clouds
10:00	Ian Hunter	Rotational mixing in Magellanic Cloud massive stars
10:20	Christophe Martayan	The low metallicity effects on the B and Be stars
10:40	Allard Jan van Marle	Continuum driven winds from super-Eddington massive stars
11:00	Sergei Marchenko	Wind-clumping in low-Z environment: theory and observations
11:20		<i>Coffee Break</i>
11:40	Jorick Vink	Mass loss at very low Z
12:00	Marco Limongi	Pop III stellar models
12:20	Emily Levesque	Metal-Poor Galaxies and GRB Hosts: Modeling the Low-Metallicity Stellar Populations
12:40	Maryam Modjaz	Metallicities at the Sites of Nearby SN Ic and Implications for the SN-GRB Connection
13:00		<i>Lunch</i>

Special Session II: Magnetic massive stars

Chair: Richard Townsend

14:30	Nolan Walborn	Optical, Ultraviolet, and X-Ray Spectral Morphology of Hot Magnetic Stars
14:50	Yael Naze	The mysterious Of?p class and the magnetic O-star θ^1 Ori C
15:10	Alex Fullerton	θ^1 Ori C
15:30	Swetlana Hubrig	Observations of magnetic fields of massive stars with FORS1/VLT
15:50	Veronique Petit	X-ray emission and the incidence of magnetic field in massive stars of the Orion Nebula Cluster
16:10		<i>Coffee Break</i>
16:30	David Cohen	X-rays from Magnetically Channeled Winds of OB Stars
16:50	Asif ud-Doula	MHD Simulation of Magnetic Channelling and Spindown in Rotating Hot-Star Winds
17:10	Rich Townsend	Rigid-Field Hydrodynamics models for the magnetospheres of strongly magnetic massive stars
17:30	Stephane Mathis	On MHD rotational transport, instabilities and dynamo action in stellar radiation zones
17:50	Luc Dessart	Radiation MHD Simulations of Core-Collapse Supernovae
19:30		<i>Welcome Reception</i>

IAU Symposium 250: Massive Stars As Cosmic Engines

Monday 10 December 2007

Session I: Atmospheres of Massive Stars

08:25			Welcome
	Chair: Gloria Koenigsberger		
08:30	I.R1	Andre Maeder	Massive stars as cosmic engines through the ages
09:05	I.C1	David Cohen	X-ray emission from O stars
09:25	I.R2	Jo Puls	Physical and wind properties of OB stars
10:00	I.C2	Alex de Koter	The metallicity dependence of the mass-loss rate of early-type massive stars
10:20			<i>Coffee Break</i>
10:50	I.R3	Paul Crowther	Properties of Wolf-Rayet stars
11:25	I.C3	Götz Gräfener	WR wind models from hydrodynamic model atmospheres
11:45	I.R4	Stan Owocki	LBVs – Mass loss close to the Eddington limit
12:20	I.C4	Jay Onifer	Pulsation-initiated mass loss in LBVs – a parameter study
12:40			<i>Lunch</i>
	Chair: Rolf Kudritzki		
15:00	I.C5	John Hillier	What do we really know about massive star winds?
15:20	I.R5	Phil Massey	The physical properties of red supergiants
15:55	I.C6	Roberta Humphreys	The evolutionary state of the cool hypergiants
16:15			<i>Coffee Break</i>
16:45	I.R6	Tony Moffat	Massive binaries
17:20	I.C7	Atsuo Okazaki	3D SPH simulations of colliding winds in η Car
17:40	I.D		General Discussion
18:05			<i>End of Session I</i>

Tuesday 11 December 2007

Session II: Physics and evolution of massive stars

	Chair:	Tony Moffat	
08:30	II.R1	Georges Meynet	Development in physics of massive stars
09:05	II.C1	Richard Townsend	Can pulsational instabilities impact a massive stars rotational evolution?
09:25	II.R2	Norbert Langer	Close binary evolution
10:00	II.C2	John Eldridge	The effect of massive binaries on stellar populations and supernova progenitors
10:20			<i>Coffee Break</i>
10:50	II.R3	Adam Burrows	Core-collapse supernovae - Physics & observations
11:25	II.C3	Nathan Smith	Episodic mass-loss and pre-SN circumstellar envelopes
11:45	II.C4	Steve Smartt	The progenitor stars of core-collapse supernovae
12:05	II.R4	Bryan Gaensler	Magnetars - massive star progenitors
12:40			<i>Lunch</i>
	Chair:	Andre Maeder	
15:00	II.C5	Sylvia Ekström	Can very massive stars avoid pair-instability SN?
15:20	II.R5	Andrew MacFadyen	Long gamma-ray bursts - core-collapse SN connection
15:55	II.C6	Kris Stanek	The nature of GRB progenitors: Observational constraints
16:15			<i>Coffee Break</i>
16:45	II.R6	Raphael Hirschi	Stellar evolution at low metallicity
17:20	II.C7	Sung-Chul Yoon	Evolution of progenitor stars in Type Ib/c SN and long GRBs
17:40	II.D		General Discussion
18:05			<i>End of Session II</i>

Wednesday 12 December 2007

Session III: Massive star populations in the nearby Universe

	Chair:	Deidre Hunter	
08:30	III.R1	Don Figer	Young massive clusters
09:05	III.C1	Fabrice Martins	Properties of massive stars in the Galactic center
09:25	III.C2	Paco Najarro	Metallicity studies of massive stars in the infrared: Unveiling obscured clusters of our Galaxy
09:45	III.R2	Fabio Bresolin	Massive stars in nuclei and arms of spirals
10:20			<i>Coffee Break</i>
10:50	III.C4	Peter Conti	UCHII regions and newly born O-type stars
11:10	III.C5	Dany Vanbeveren	The effects of N-body stellar dynamics on the early evolution of the massive star population of dense star clusters
11:30	III.R3	Eva Grebel	Massive stars in irregular and dwarf galaxies
12:05	III.C6	Ignacio Negueruela	Westerlund 1 as a template for massive star evolution
12:25	III.C3	Margaret Hanson	One hundred 30 Dor's - is the Milky Way different or are we somehow missing them?
12:45			<i>Lunch/Excursions</i>

Thursday 13 December 2007

Session III: Massive star populations in the nearby Universe (cont)

	Chair:	Eva Grebel	
08:30	III.R4	Rolf Kudritzki	Individual massive stars in external galaxies
09:05	III.C7	Lucy Hadfield	VLT surveys of WR populations in spiral galaxies M83 and NGC1313
09:25	III.D		General Discussion

Session IV: Hydrodynamics and feedback from massive stars in galaxy evolution

09:50	IV.R1	You-Hua Chu	Bubbles and superbubbles: Theory and observations
10:25			<i>Coffee Break</i>
10:55	IV.C1	Jane Arthur	The evolution of the circumstellar and interstellar medium around massive stars
11:15	IV.C2	Pat Morris	Spitzer and ISO observations for studying the mass-loss histories & wind-wind interactions of massive stars with circumstellar nebulae
11:35	IV.R2	Mike Dopita	Massive star feedback: Starbursts and superwinds
12:10	IV.C3	Jay Gallagher	Massive stars, super star clusters & feedback in starbursts
12:30			<i>Lunch</i>
	Chair:	Max Pettini	
15:00	IV.C4	Linda Smith	Gemini IFU observations of Galactic outflows in starburst galaxies
15:20	IV.C5	Sally Oey	Radiative feedback in starburst galaxies
15:40	IV.R3	Francesca Matteucci	Nucleosynthesis role of massive stars
16:15			<i>Coffee Break</i>
16:45	IV.C6	Carla Fröhlich	Detailed nucleosynthesis yields from the explosions of massive stars
17:05	IV.D		General Discussion
17:30			<i>End of Session IV</i>
18:00			<i>Conference Banquet (Luau)</i>

Friday 14 December 2007

Session V: Massive stars as probes of the early Universe

		Chair: Francesca Matteucci	
08:30	V.R1	Max Pettini	Massive stars as tracers of $z=1-5$ galaxies
09:05	V.R2	Yoshiaki Taniguchi	Star-forming galaxies at $z > 5$
09:40	V.C1	Rubina Kotak	Core-collapse supernovae as dust producers in the early Universe
10:00			<i>Coffee Break</i>
10:30	V.R3	Johan Fynbo	Gamma-ray bursts as probes of high- z galaxies
11:05	V.C2	Mirka Dessauges-Zavadsky	Probing the ISM and stellar environments of GRB host galaxies
11:25	V.C3	Ken'ichi Nomoto	The connection between GRBs & extremely metal-poor stars as a nucleosynthesis probe of the early universe
11:45	V.R4	Volker Bromm	The first stars
12:20	V.C4	Alexander Kashlinsky	Imprint of the first stars era in the cosmic IR background fluctuations
12:40			<i>Lunch</i>
		Chair: Norbert Langer	
15:00	V.C5	George Sonneborn	Imaging and spectroscopy with the JWST
15:20	V.R5	Sandro D'Odorico	E-ELT
15:55	V.D		General Discussion
16:20			<i>Coffee Break</i>
16:50	S	Claus Leitherer	Meeting Summary
17:20			<i>End of Symposium</i>

Invited Review talks (R = 30 + 5 minutes)

Contributed talks (C = 15 + 5 minutes)

Summary talk (S = 30 minutes)

General Discussion (D = 25 minutes)