

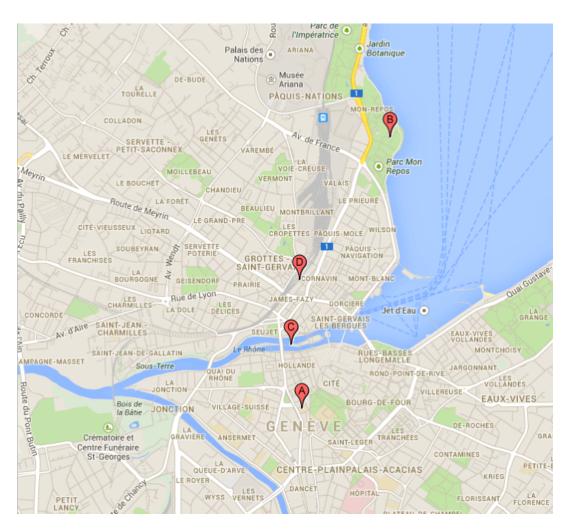
Daily agenda & scientific program

Sunday June 22, 2014

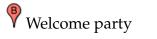
Welcome reception

16h00-19h00 welcome and registration reception at the Science history museum

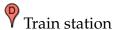
Villa Bartholoni 128, route de Lausanne 1201 Genève











Monday June 23, 2014

08h30	Welcome address	G. Meynet			
Session	(chair: A. Noels)				
08h40 09h20	Physics of mass loss in massive stars (R) Winds of metal-poor OB stars: updates from HST-COS UV spectroscopy (C)	J. Puls M. García			
09h45 10h10	Massive stars near the Eddington-limit, pulsations & mass-loss (C) Discovery of a New Class of Wolf-Rayet Stars in the LMC (C)	G. Gräfener Ph. Massey			
10h35 Coffee break					
11h05 11h45	Physics of convection in massive stars (R) Stellar rotation: physics, evolution (R)	C. Meakin A. Maeder			
12h25 Lunch					
Sessio	n I: Challenges in massive star evolution (continued)	(chair: H. Saio)			
14h30	Observed rotational velocities of the O-type stars in the Tarantula Nebula single stars and binaries (C)	O. H. Ramírez Agudelo			
14h55	Combining observational techniques to constrain convection in evolved massive star models (C)	C. Georgy			
15h20	New prescriptions of turbulent transport from local numerical simulations (C)	V. Prat			
15h45	The advanced phases of massive stars: the path to the core collapse and the explosive yields. (R)	A. Chieffi			
16h25 Coffee break					
16h55 17h35 18h00	Physics of interacting close binaries (R) The First Evidence of a Binary Progenitor for a Type Ib Supernova (C) Short poster presentations	N. Langer M. Bersten			
18h25 End of day 1					

Tuesday June 24, 2014

Session	(chair: R. Hirschi)			
09h00	Discovery of a Thorne-Zytkow object candidate in the Small	E. Levesque		
09h25	Magellanic Cloud (C) Stellar Yields of Rotating First Stars (C)	K. Takahashi		
Session	II: Asteroseismology			
09h50 10h30	Basics of asteroseismology (R) Highlights in asteroseismology, with emphasis on massive stars (R)	A. Miglio C. Aerts		
11h10 Coffee break				
11h40	Asteroseismology of OB stars as seen by hundreds of single snapshot spectra (and a few time-series of selected targets) (C)	S. Simón-Díaz		
12h05	Photometric Variability of OB-type stars as a New Window on Massive Stars (C)	M. Kourniotis		
12h30 Lunch				
Session	II: Asteroseismology (continued)	(chair: L. Cidale)		
14h30	Semi-Convective Mixing in Massive Stars as seen by Asteroseismology (C)	E. Moravveji		
14h55 15h20	Probing high-mass stellar evolutionary models with binary stars (C) The puzzling new class of variable stars in NGC 3766: old friend pulsators? (C)	A. Tkachenko S. Salmon		
15h45	Asteroseismology of red giants to constrain angular momentum transport (C)	P. Eggenberger		
16h10 Coffee break				
16h40	Behaviour of pulsations in hydrodynamic models of massive stars (C) C. Lovekin		
Session III: Interferometry				
17h05 17h45	Basics of interferometry (R) An interferometric journey around massive stars (R)	G. van Belle A. Meilland		
18h25 End of day 2				

Wednesday June 25, 2014

Session III: Interferometry (continued) (chair: M. Limongi) 09h00 Short poster presentations Zooming into eta Carinae with interferometry (C) 09h25 J. Groh On the atmospheric structure and fundamental parameters of 09h50 M. Wittkowski red supergiant stars (C) Evidences for a large hot spot at the surface of Betelgeuse (C) 10h15 M. Montargès 10h40 Coffee break 11h10 The recent disk evolution of Achernar resolved by VLTI spectro-D. Faes interferometry (C) 11h35 General discussion on a few chosen questions (leaders: A. ud Doula & R. Hirschi (tbc))

12h00 End of day 3

FREE AFTERNOON, EXCURSION

Thursday June 26, 2014

Session IV: Spectropolarimetry		(chair: C. Neiner)		
09h00 09h40 10h20	Basics of spectropolarimetry (R) Recent highlights of spectropolarimetry (R) Constraining general massive-star physics by exploring the unique properties of magnetic O-stars: rotation,	J. Landstreet J. Grunhut J. Sundqvist		
10h45	macroturbulence, and subsurface convection (C) B fields in OB stars (BOB) : first results of the survey (C)	T. Morel		
11h10 Coffee break				
11h40 12h05	Unraveling the brightness variability of sigma Ori E (C) Revealing the Mass Loss Structures of Three Key Massive Binaries Using Optical Spectropolarimetry (C)	M. Oksala J. Lomax		
12h30 Lunch				
Session IV: Spectropolarimetry (continued) (chair: D. Arnett)				
14h30 15h10 15h35 16h00	Magnetic fields-stellar winds connection (R) Linear polarimetry as a tool to constrain aspherical mass loss (C) The BinaMIcS project: understanding the origin of magnetic fields in massive stars through close binary systems (C) Angular momentum transport by unstable toroidal magnetic fields (C)	A. ud Doula J. Vink E. Alecian M. Gellert		
16h25 Coffee break				
Session V: Synergies between different techniques				
16h55	Links between surface magnetic fields, abundances, and surface rotation in clusters and in the field (R)	N. Przybilla		
17h35 18h00	Short poster presentations General discussion on a few chosen questions	(leaders: H. Henrichs & D. Baade (tbc))		

18h25 *End of day 4*

CONFERENCE DINNER

Friday June 27, 2014

Session	(chair: E. Levesque)			
09h00	Synergies between asteroseismology and spectropolarimetry to constrain transport and mixing processes in massive stars (C)	S. Mathis		
09h25	Combining seismology and spectropolarimetry: from CoRoT and MOST to K2 and BRITE (C)	C. Neiner		
09h50	X-ray emission from magnetic massive stars (C)	Y. Nazé		
10h15	Massive Star Astrophysics with MSCF (C)	D. Bomans		
10h40 Coffee break				
11h10	The Massive star population at the Center of the Milky Way (C)	F. Najarro		
11h35	Accretion Signatures on Massive Young Stellar Objects (C)	F. Navarete		
12h00 Lunch				
Session VI: Towards a synthetic view		(chair: Ph. Massey)		
14h00	3D and Some Other Things missing from the Theory of Massive Star Evolution (S)	D. Arnett		
14h30	Asteroseismology of massive stars: the next steps (S)	A. Noels & M. Godart		
15h00	Interferometry of massive stars: the next steps (S)	Ph. Stee		
15h30	Spectropolarimetry of massive stars, the next step (S)	G. Wade		

16h00 End of day 5 and of the symposium