

THE AMAZING LIFE OF STARS

Cefalu', September 3-8 2017

PRELIMINARY PROGRAM

Cefalu': Sala Ottagono Santa Caterina

Sunday, September 3

18:00-20:00 Welcome party and Registration

Cefalu': Town Hall Building - Sala Capriate

Monday, September 4

8:00-8:30 registration (Segreteria, near Fondazione Mandralisca)

8:30-8:45 Welcome (Town Hall Building)

Evolution of Low, Intermediate and Massive Stars

8:45-9:15	Santi	CASSISI	Evolution of low mass stars
9:15-9:45	Sergio	CRISTALLO	Evolution of intermediate mass stars
9:45-10:15	Alessandro	CHIEFFI	The Amazing Life of massive stars
10.15:10.45	Marcella	DI CRISCIENZO	Gas and Dust Pollution from Evolved Stars
10.45-11.15	Coffee Break		
11.15:11.45	Lionel	SIESS	Evolution of SAGB stars
11:45-12.15	Marcella	MARCONI	Stellar-pulsation models in variable stars
12.15:12.45	Young-Wook	LEE	Evolution of helium enhanced stellar populations
12:45-13:00	Oscar	STRANIERO	Globular Clusters as laboratory of fundamental physics
13:00-13:15	Sang-Hyun	CHUN	Stellar evolutionary models of red supergiants: evidence for metallicity-dependent mixing length
13.15-15.30	Lunch		

Stellar Clusters

15.30:16.00	Alessio	MUCCIARELLI	Multiple Populations: spectroscopic evidences
16.00:16.30	Antonino	MILONE	Multiple Populations: photometric evidences
16:30-17:00	Enrico	VESPERINI	Dynamics of multiple stellar populations in GC

17.00:17.30	Coffee Break		
17:30-18:00	Franca	DANTONA	Star formation and multiple populations in young and old massive globular clusters
18.00:18.30	Emanuele	DALESSANDRO	Globular Clusters in the UV
18.30:19.00	Jason	KALIRAI	White Dwarfs in Globular Clusters and in the Field
19:00-19:15	Roberto	DE PROPRIIS	The abundances of stellar populations in NGC2808
19:15-19:30	Dongwook	LIM	Reevaluation of low-resolution spectroscopy for the globular clusters

Tuesday, September 5

Stellar Clusters

8:30-9:00	Marco	MERAFINA	Gravo-thermal Instabilities in Globular Clusters
9:00-9:30	Anna Lisa	VARRI	Kinematical Evolution of Star Clusters
9.30:10.00	Roberto	CAPUZZO DOLCETTA	Globular Clusters in the gravitational field of the galaxy
10.00:10.30	Alessandra	MASTROBUONO BATTISTI	Formation and evolution of Nuclear Star Clusters
10.30:11.00	Coffee Break		
11.00:11:30	Giacomo	BECCARI	The Orion Nebula Cluster: a test-bench for star and clusters' formation
11.30:12.00	Nathan	BASTIAN	Young Massive stars clusters
12.00:12:30	Andrea	BELLINI	Science with stellar proper motions: state of the art and future perspectives
12:30-12:45	Nikolay	KACHAROV	Star formation histories of the nuclear star clusters of 6 nearby galaxies
12:45-13:00	Emilio	LAPENNA	Chemical characterization of AGB stars in the metal-rich globular cluster NGC 6304
13:00-13:15	Silvia	RASO	The "UV-route" to Search for Blue Straggler Stars in Globular Clusters: First Results from the HST UV Legacy Survey
13:15-13:30	Sara	SARACINO	Globular cluster ages: testing NIR-CMD based methods
13.30-15.30	Lunch		

Stellar Populations and Stellar Population Synthesis

15.30:16.00	Manuela	ZOCCALI	The 3D Structure of the Galactic Bulge
16.00:16.30	Elena	VALENTI	Stellar Populations in the Galactic Bulge
16.30:17.00	Ricardo	SCHIAVON	APOGEE chemical abundances in the inner Galaxy
17.00:17.30	Coffe Break		

17.30:18.00	Gisella	CLEMENTINI	Gaia and the cosmic distance scale
18:00-18:30	Piercarlo	BONIFACIO	Chemical abundances in the most metal-poor stars
18:30-19:00	Alessandro	PAPITTO	Binary Pulsars
19:00-19:15	Devendra	BISHT	Mass functions and structure of the Galactic clusters
19:15-19:30	Ilaria	MUSELLA	Probing the formation and evolution of the Galactic Halo with STREGA@VST

Wednesday, September 6

Stellar Populations and Stellar Population Synthesis

8:30-9:00	Monica	TOSI	Stellar Population in The Local Group
9.00:9.30	Alessandro	BRESSAN	Panchromatic Spectral Population Synthesis of Young Star Clusters
9.30:10.00	Claudia	MARASTON	Modelling spectral energy distribution of Stellar Population
10:00-10.30	Claus	LEITHERER	Synthetic models for Stellar Populations
10.30:11.00	Coffee Break		
11:00-11:30	Francesca	MATTEUCCI	Modelling chemical evolution of Galaxies
11:30-12:00	Gabriella	RAIMONDO	SBF prediction from synthetic SSP
12.00:12.30	Carlos	ABIA	Observations of s-process elements in stars
12:30-12:45	Sadman	ALI	The UV upturn: Helium-rich stars at $z > 4$ in red sequence galaxies
12:45-13:00	Maria	MESSINEO	Hunting for red supergiants in the inner Galaxy
13:00-13:15	Vincenzo	RIPEPI	Classical Cepheids in the VMC@VISTA survey: probing the structure of the SMC
13:15-13.30	Emanuele	GIALLONGO	Dwarf galaxies in the Virgo Cluster

Free Afternoon

Thursday, September 7

Thermonuclear and Core Collapse Supernovae

8:30-9:00	Angelo	ANTONELLI	The Cherenkov Telescope Array and new scientific perspectives of gamma ray astronomy
9.00:9.30	Steven	SHORE	Theory and Observation of Classical Novae: the Frontiers of Ignorance
9.30:10.00	Eric	HSIAO	SN Ia: observational evidences
10.00:10.30	Luciano	PIERSANTI	Double degenerate model of thermonuclear SN
10.30:11.00	Coffee Break		
11.00:11.30	Jordi	ISERN	Sn Ia explosion

11.30-12.00	Eduardo	BRAVO	The role of the progenitor star on the Explosion of SN Ia
12.00-12:30	Wolfgang	HILLEBRANDT	Multidimensional models for thermonuclear SN
12:30-13:00	Fernando	PATAT	SN: a final fate of a binary system?
13:00-13:15	Maria Teresa	BOTTICELLA	The SN rates from SUDARE survey
13:15-13:30	Luca	IZZO	Are novae the main farms of lithium in the Galaxy ?

13.30-15.30 Lunch

15:30-16:00	Andrea	PASTORELLO	Massive stars/core-collapse SNe
16:00-16:30	Erik	ENDEVE	Models for Core Collapse Supernova Explosion
16:30-17:00	Avishay	GAL-YAM	Superluminous Supernovae
17.00:17.30	Coffe Break		
17:30-18:00	Peter	HOEFLICH	Superluminous Thermonuclear Explosions
18:00-18.30	Giovanni	PERES	The Link from SNe and SNe remnants
18.30-19:00	Massimo	DELLA VALLE	SN and GRB connection
19:00-19:30	Luigi	STELLA	NS and Magnetars vs Gravitational Waves

Friday, September 8

Stellar Remnants and Gravitational Waves

8.30-9:00	Tomaso	BELLONI	Compact Objects in Binary Systems
9:00-9:30	Raffaella	MARGUTTI	LSST and the Multi Wavelength Characterization of Transients
9:30-10.00	Paolo	D'AVANZO	The link between GW and short GRB
10.00-10.30	Giulia	STRATTA	EM counterparts of GW detection
10.30-11.00	Coffee Break		
11:00-11:30	Marco	TAVANI	The Gamma follow-up of the GW candidates during the II LV observing run
11:30-12:00	Silvia	PIRANOMONTE	The GRAWITA Searches for counterparts of GW events in 01 and 02 LVC runs
12:00:12:30	Mario	DIAZ	The TOROS Project for searching optical counterparts of GW
12:30-13:00	Fulvio	RICCI	News on the status of the detectors on the Earth
13:00-13:15	David	COWARD	Gravitational Waves, Radio Bursts and GRB
13:15-13:30	Alessandro	RIGGIO	The Hermes Project: hunting for GW electromagnetic counterparts

13.30-15.30 Lunch

15:30-16:00	Roberto	MIGNANI	Pulsar Properties at optical wavelengths
16:00-16:30	Cristina	PALLANCA	Optical companions to Millisecond Pulsars in GC
16:30-17:00	Coffee Break		
17:00-17:30	Felix	MIRABEL	The Formation of Binary Stellar Black Holes, the first detected sources of GWs
17:30-18:00	Barbara	LANZONI	Searching for Intermediate-Mass Black Holes in GCs
18:00-18:15	Rosario	IARIA	A possible solution of the puzzling variation of the orbital period of MXB 1659-298
18:15-18:30	M.G.	GUARCELLO	Photoevaporation and close encounters: how the environment around Cygnus OB2 affects the evolution of protoplanetary disks