

EuroGenesis Workshop, Dubrovnik, 24-26 Nov 2010: TENTATIVE PROGRAM

TUESDAY, November 23rd

* Registration: 18.00 - 20.00

* Get-together dinner: 20.00

WEDNESDAY, November 24th

* 8.30 - 8.45: Opening

N. Soic (RBI Zagreb)

* 8.45 - 9.15: "The European Science Foundation EUROCORES Program"

A. Ekers (ESF, Strasbourg)

* 9.15 - 9.45: "The EuroGENESIS Project"

J. José (UPC Barcelona)

* 9.45 - 10.45: "Physics of compact objects: explosive nucleosynthesis and evolution (I)"

. Overview (25 + 10 min)

J. José (UPC Barcelona)

. Models of type Ia supernovae and stellar mergers (20 + 5 min)

J. Isern (ICE Bellaterra)

* Coffee break: 10.45 - 11.15

* 11.15 - 12.05: "Physics of compact objects: explosive nucleosynthesis and evolution (II)"

. Models of classical novae and type I X-ray bursts (20 + 5 min)

J. José (UPC Barcelona)

. Experimental approaches in explosive nucleosynthesis (20 + 5 min)

S. Harissopoulos (Demokritos
Athens)

- * Lunch: 12.30
- * 14.00 – 14.30: “The ESF Program CompStar” D. Blaschke (U Wroclaw)
- * 14.30 - 15.45: "Massive Stars as Agents of Chemical Evolution (I)"
 - . Overview (10 + 5 min) F.-K. Thielemann (U Basel)
 - . Low energy fusion reactions and reaction rates for explosive burning - p-process (20 + 10 min) Z. Fülöp (ATOMKI Debrecen)
 - . Evolution of massive stars (20 + 10 min) R. Hirschi (U Keele)/
A. Chieffi (IASF Rome)
- * Coffee break: 15.45 - 16.15
- * 16.15 - 17.15: " Massive Stars as Agents of Chemical Evolution (II)"
 - . Physics of core-collapse supernovae (20 + 10 min) G. Martínez-Pinedo (GSI Darmstadt)
 - . Massive-Star Impacts on their Surroundings (20 + 10 min) R. Diehl (MPE Garching)
- * 17.15 – 18.00: "Observational constraints on structure and nucleosynthesis from supernova light curves and spectra" C. Fransson (Stockholm U)
- * 18.00 - 18.30: "Nuclear astrophysics within ATHENA/ENSAR" K. Sonnabend (TU Darmstadt)
- * 18.30 – 18.45: “Astro-particle activities and the ASPERA network in Croatia” T. Suric (RBI Zagreb)
- * Dinner: 20.00

THURSDAY, November 25th

- * 8.30 - 9.15: "Dust in supernovae and SNRs: space-borne observations vs. laboratory measurements" A. Tielens (Leiden Obs.)

- * 9.15 - 10.45: "Cosmic dust grains as a diagnostic for massive stars (I)"
 - . Overview (25 + 10 min) I. Cherchneff (U Basel)

 - . Dust formation and processing in supernovae and supernova remnants (20 + 5 min) I. Cherchneff (U Basel)

 - . Observations of dust and molecules in supernovae remnants (20 + 5 min) S. Muller (Onsala Obs.)

- * Coffee break: 10.45 - 11.15

- * 11.15 - 12.05: "Cosmic dust grains as a diagnostic for massive stars (II)"
 - . SUPRATEAMS: Supernova-produced radionuclides and trace elements studied by AMS (20 + 5 min) A. Wallner (U Wien)

 - . The use of AMS for isotopic analysis of pre-solar materials and for the search of SN-produced r-process nuclides ^{182}Hf and ^{244}Pu //Accelerator-SIMS for isotopic analysis of trace elements. (20 + 5 min) C. Vockenhuber (U Wien)/
D. Güttler (ETH Zürich)

- * 12.05 - 12.35: "LASSIE: A Marie Curie Training Network on Astrochemistry" N. J. Mason (Open U Milton Keynes)

- * Lunch: 12.35
- * 14.00 - 14.45: "Nucleosynthesis in AGB stars" M. Busso (U Perugia)
- * 14.45 - 16.15: " Nucleosynthetic fingerprints of the first stars (I)"
 - . Overview (30 + 5 min) A. Korn (U Uppsala)
 - . Searching for the first stars (20 + 5 min) G. Ruchti (MPA Garching)
 - . The cosmological Li problems (20 + 5 min) K. Lind (MPA Garching)
- * Coffee break: 16.15 - 16.45
- * 16.45 - 17.35: " Nucleosynthetic fingerprints of the first stars (II)"
 - . Evolution of globular clusters at early times (20 + 5 min) T. Decressin (Argelander Inst. Bonn)
 - . Non-LTE line formation of Fe-peak elements (20 + 5 min) M. Bergemann (MPA Garching)
- * 17.35 - 18.55: CONTRIBUTED TALKS
 - . On the Chemical evolution of galaxies (20 min) F. Matteucci (Trieste U)
 - . Underground accelerators in Europe (20 min) D. Bemmerer (FZD Rossendorf)
 - . What can gamma-rays tell us about the lithium production? (20 min) T. Prodanovic (U Novi Sad)
 - . Isotopic signature by AMS of trace elements in supernova diamonds (20 min) U. Ott (MPC Mainz)
- * Dinner: 20.00

FRIDAY, November 26th

* 8.30 - 17:00: Parallel Meetings of the 4 CRPs (including short contributions)

* 17.00 – 18.00: Plenary meeting of all CRPs (to define strategies and follow-up activities)

* 18.00 - 18.20: Concluding Remarks

N. Soic (RBI Zagreb)

* 18.20 – 18.30: Farewell

L. Perinic (NZZ Opatija)

* End of Workshop