

TENTATIVE PROGRAM 7th RUSSBACH WORKSHOP

Monday March 15th

8h15-8h30 : *Welcome address from the organizers*

8h30-10h00 : M. Aliotta, *General introduction in Nuclear Astrophysics*

10h00-10h30 : Coffee Break

10h30-12h00 : N Chamel, *Physics of the neutron stars*

12h00-16h00 : Lunch and free time

16h00- 17h30 : J. Margueron *EOS and superfluid properties of neutron stars*

17h30-18h00 : Coffee Break

18h00-19h00 : G. Pizzone *The Trojan Horse Method applied to nuclear astrophysics*

19h00-19h25 : R. Sparta *Study of $d(d,p)t$ and $d(d,n)^3\text{He}$ reactions via the THM*

19h25-19h50 : S.Puglia *Study of the $^{10}\text{B}(p,\alpha)^7\text{Be}$ reaction through the THM*

Tuesday March 16th

8h30-9h30 : U. Ott, *Isotope abundance anomalies in meteorites*

9h30-10h30 : M. Schonbachler, *Cosmochemistry*

10h30-11h00 : Coffee Break

11h00-12h00 : A. Wallner, *AMS meas. of radionuclides and trace elements in cosmic dust*

12h00-16h00 : Lunch and free time

16h00- 17h00 : F. Kaeppeler *Introduction to the astrophysical s process*

17h00-17h30 : Break

17h30-18h15 : O. Straniero *Results in the evolution of s element nucleosynthesis of AGB stars*

18h15-18h40 : S. Falahat *O, Mg (α,n) reactions*

18h40-19h05 : G. Rapisarda *Study of the $^{18}\text{F}+p$ reaction in novae*

19h05-19h30 : G. Burgunder *The $^{34}\text{Si}(d,p)$ reaction to probe spin orbit and tensor forces*

Wednesday March 17th

8h30-9h00 : M. Busso *Deep mixing and proton captures in AGB stars*

9h00-10h00 : C. Abia *Nucleosynthesis in AGB stars from observations*

10h00-10h30 : Coffee Break

10h30-11h15 : K.-L. Kratz, *General introduction on the astrophysical r process*

11h15-12h00 : K. Farouqi *Nucleosynthesis in High Entropy Winds (HEW)*

12h00-16h00 : Lunch and free time

16h00-16h25 : C. Juul Hansen *Silver as a tracer of LEPP*

16h25- 16h50 : O. Hallmann *Co-production of p, s and r-“only” Mo isotopes in HEW*

16h50-17h 10: Coffee Break

17h10 – 17h35 : C. Jost : *Radioactive Ion Beam developments:*

17h35-18h35 : F. Strieder *Experimental quests for nuclear astrophysics with stable beams*

Excursion to the mountains – dinner and party there

Thursday March 18th

8h30-9h30 : M. Freer *Triple alpha and $^{12}\text{C}+^{12}\text{C}$ reactions*

9h30-10h00 : A. Ostrowski *C burning, total cross section at large coulomb param. values*

10h00-10h30 : Coffee Break

10h30-11h30 : M. El Eid *Why are extremely metal poor stars different and important ?*

11h30-16h00 : Lunch and free time

16h00-17h00 : R. Diehl *Gamma-ray astronomy*

17h00-17h45 : G. Korshinek *^{60}Fe on earth, an unique signal of interstellar matter*

17h45-18h05 : Coffee Break

18h05- 19h05 : F. Hammache *Transfer and coulomb dissociation methods for astrophysics*

19h05-19h30 : S. Giron *Study of $^{60}\text{Fe}(n,\gamma)$ using (d,p) transfer reaction*

Friday March 19th

8h30-9h30 : J. Jose *Novae and x-ray bursts*

9h30-10h00 : A. Chen *Nuclear Data for novae and x-ray bursts*

10h00-10h20 : Coffee Break

10h20-10h45 : A. Laird $^{18}\text{F}(p, \alpha)^{15}\text{O}$ reaction in novae

10h45-11h10 : F. de Oliveira *Destruction of the cosmic γ -ray emitter ^{18}F*

11h10-12h10 : S. Harissopoulos *Introduction to the rp process*

12h10-16h15 : Lunch and free time

16h15-17h15 : D. Hartmann *Cosmic chemical evolution probed with GRBs as a tool*

17h15- 17h40 : T. Al Abdullah *Stellar 2p captures in novae using ANC in mirror nuclei*

17h40-18h00 : Coffee Break

18h00-18h20 : Summary talk

18h20-19h10 Free debate on the 7th Russbach issue

19h45 : Fare-well party