

The Second Sicily-East Asia Workshop on Low Energy Nuclear Physics (SEA2016)

-Program (version: Jun 15)-

**Jun 26(Sun)**

**18:00-20:00** Welcome reception at the bar "A-One" in the city of Wako.

**Jun 27(Mon)**

**9:30-9:40** Opening Address (V. Pirronello and S. Shimoura)

**9:40-10:05** Introduction of SEA workshop / Overview of CRIB projects (H. Yamaguchi)

**10:05-10:30** High precision nuclear spectroscopy with trapped radioactive ions (M. Wada)

**10:30-11:00** Coffee Break

**11:00-11:25** Nuclear spectroscopy of r-process nuclei around N=126 using KISS (Y. Hirayama)

**11:25-11:50** New Beamline with Optimized Energy-Degrading Optics of RI Beams (S. Michimasa)

**11:50-12:15** Proposed nuclear astrophysics measurements with ELISSA at ELI-NP (C. Matei)

**12:15-13:30** Lunch

**13:30-13:55** Some nuclear physics aspects of BBN (A. Coc)

**13:55-14:20** What Astrophysics asks to Nuclear Physics (S. Palmerini)

**14:20-14:45** Alpha-induced reactions on p-nuclei for astrophysical interest (A. Oprea)

**14:45-15:10** Explosive Destruction of  $^{26}\text{Al}$  (D. Kahl)

**15:10-15:35** THM and Primordial nucleosynthesis: results and perspectives (R.G. Pizzone)

**15:35-16:05** Coffee Break

**16:05-16:30** Compact traps for dense and hot plasmas: from ion sources to multidisciplinary research (D. Mascali)

**16:30-16:55** Isospin influence on the decay modes of compound systems produced in the  $^{78,86}\text{Kr} + ^{40,48}\text{Ca}$  at 10A MeV. (S. Pirrone)

**16:55-17:20** TBA (N. Imai)

**17:20-17:45** OMPs for the  $^6\text{He} + ^{209}\text{Bi}$  halo system from a  $^{208}\text{Pb}(^7\text{Li}, ^6\text{He})^{209}\text{Bi}$  reaction analysis (L. Yang)

**19:00-21:00** Social Dinner at Shiki-sai Kakinoki (bus leaves Nishina Bldg. at 18:30)

**Jun 28 (Tue)**

**9:30-9:55** Overview of the activities of the Catania Univ. Group (V. Pirronello)

**9:55-10:20** Recent results of direct nuclear reaction experiments for stellar nucleosynthesis (S. Cherubini)

**10:20-10:45** Trojan Horse Method for neutron induced reaction studies (M. Gulino)

**10:45-11:15** Coffee Break

**11:15-11:40** Trials for the cosmological  $7\text{Li}$  problem with  $^7\text{Be}$  beams at CRIB and collaborating studies (S. Hayakawa)

**11:40-12:05** Investigation of the  $^3\text{He}(\alpha, \gamma)^7\text{Be}$  reaction using various techniques (G. Kiss)

**12:00-13:30** Lunch

**13:30-14:40** Facility Tour

**14:40-15:05** Low-energy nuclear physics measurements at KOBRA (K.Y. Chae)

**15:05-15:30** Perspective of Application of MRTOF at RAON facility (J.Y. Moon)

**15:30-16:00** Coffee Break

**16:00-16:25** Search for experimental evidence on the  $\alpha$ -cluster structure in  $^{22}\text{Mg}$  (S.M. Cha)

**16:25-16:50** Alpha clustering in neutron-rich  $^{10}\text{Be}$  and  $^{14}\text{C}$  via resonant scattering (D. Suzuki)

**16:50-17:30** Discussion & Conclusion (S. Cherubini + all)