



# 15th Varenna Conference on Nuclear Reaction Mechanisms

## Tuesday, June 12, 2018

### Nuclear reactions (2:45 PM - 4:45 PM)

-Conveners: Roberto Capote

time	[id] title	presenter
2:45 P	[M] Probing Nuclear Beta-Decay by Heavy Ion Charge Exchange Reactions	Prof. LENSKE, Horst
3:15 P	[M8] Advances in microscopic modeling of (n, $\alpha$ n $\gamma$ ) reactions for actinides	Dr DUPUIS, Marc
3:45 P	[M4] Heavy Ion charge exchange reactions and the link with beta decay processes	COLONNA, Maria
4:05 P	[M3] Coulomb-nuclear interference and isospin characterization of the first 2+ and 3- transitions by inelastic scattering of alpha particles on 90,92Zr	Prof. BORELLO-LEWIN, Thereza
4:25 P	[M8] Towards a non-local microscopic description of scattering observables of nucleons on deformed nuclei	Mr NASRI, Amine

# Friday, June 15, 2018

## Nuclear reactions (11:30 AM - 1:00 PM)

-Conveners: Marc Dupuis

time	[id] title	presenter
11:30	[20] Statistical-model description of gamma decay from compound-nucleus resonances	WEIDENMUELLER, Hans
12:00	[34] Statistical multi-step direct reaction models and the RPA	Mr CHIMANSKI, Emanuel V.
12:20	[50] The role of nucleon knockout in pre-equilibrium reactions	CARLSON, Brett
12:40	[50] Proton induced pre-equilibrium reactions to the continuum as a test to the reaction mechanism	DIMITROVA, Sevdalina

## Nuclear reactions (3:00 PM - 5:10 PM)

-Conveners: Toshihiko Kawano

time	[id] title	presenter
3:00 P	[08] Capture Cross Sections for Unstable Isotopes from Surrogate Reaction Data and Theory	ESCHER, Jutta
3:30 P	[01] Neutron Capture Cross Sections and Strength Functions on $^{147}\text{Sm}$ Nucleus	Dr OPREA, Cristiana
3:50 P	[06] Neutron width statistics in a realistic resonance-reaction model	FANTO, Paul
4:10 P	[27] Transfer reactions induced with $^{56}\text{Ni}$ : np pairing and N=28 shell closure	GEORGIADOU, Anastasia
4:30 P	[04] Multinucleon transfer processes in the $^{197}\text{Au}+^{130}\text{Te}$ system studied with a high-resolution kinematic coincidence	GALTAROSSA, Franco
4:50 P	[02] Shell-model studies of the astrophysical mirror rp-reactions $^{34}\text{S}(p,\gamma)^{35}\text{Cl}$ and $^{34g,m}\text{Cl}(p,\gamma)^{35}\text{Ar}$	Prof. RICHTER, Werner