

# International Collaborations in Nuclear Theory: Theory for open-shell nuclei near the limits of stability

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May 11-29, 2015, Michigan State University and FRIB/NSCL

## Program first week May 11-15 2015

Time	Monday	Tuesday
9.30am-10.30am	Andreas Ekstrom (ORNL/UTK) Constraining the Description of the Nuclear Interaction	Takaharu Otsuka (Tokyo)
10.30am-11am	Coffee break	Coffee break
11am-12pm	Heiko Hergert (MSU) Effective interactions and operators from IM-SRG	Alexandra Gade (MSU) Nuclear spectroscopy of exotic n
12pm-2pm	Lunch	Lunch
2pm-3.30pm	Discussions	Discussions
3.30pm-4pm	Coffee break	Coffee break
4pm-6pm	Discussions	Discussions

## Program second week May 18-22 2015

Time	Monday
9am-10am	Jimmy Rotureau (ORNL/MSU) Towards optical potentials from coupled cluster theory
10am-11am	George Papadimitriou (ISU) Structure and Reactions of nuclei using complex energy formalisms
11am-11.30am	Coffee break
11.30am-12.30pm	Alexander Volya (FSU) Shell-model approach to nuclear clustering
12.30pm-2pm	Lunch
2pm-3.30pm	Discussions
3.30pm-4pm	Coffee break
4pm-6pm	Discussions

### Program third week May 25-29 2015

Time	Monday
9.30am-10.30am	Luigi Coraggio (INFN, Naples) A new double-step procedure for the derivation of effective shell-model hamiltonians
10.30am-11am	Coffee break
11am-12pm	Toshio Suzuki (Tokyo) Evaluation of nuclear weak rates relevant to astrophysical applications
12pm-2pm	Lunch
2pm-3.30pm	Discussions
3.30pm-4pm	Coffee break
4pm-6pm	Discussions