

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	
9.30am-10.30am	Andreas Ekstrom (ORNL/UTK)	Ta
	Constraining the Description of the Nuclear Interaction	
10.30am-11am	Coffee break	
11am-12pm	Heiko Hergert (MSU)	A
	Effective interactions and operators from IM-SRG	Nuclear
12pm-2pm	Lunch	
2pm-3.30pm	Discussions	
3.30pm-4pm	Coffee break	
4pm-6pm	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 formalis	
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-n	
10.30am-11am	Coffee break	
11am-12pm	Toshio Suzuki (Tokyo)	
	Evaluation of nuclear weak rates relevant to astrophysical	
12pm-2pm	Lunch	
2pm-3.30pm	Discussions	
3.30pm-4pm	Coffee break	
4pm-6pm	Discussions	