

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-m | |
| 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 | |