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Workshop on Interacting Fermions: Precision Theory and Experiment | (smr 2708)

Thursday 09 July 2015

Day 4 - Adriatico Guest House - Kastler Lecture Hall (09:00-19:00)

| time | title | presenter |
|-------|---|-----------------|
| 09:00 | Nonequilibrium dynamics of fermions: from resonant X-ray scattering in solids to ultracold atoms | E. DEMLER |
| 09:45 | Application of phase space methods to dynamics of strongly correlated systems | A. POLKOVNIKOV |
| 10:30 | Coffee break | |
| 11:00 | Green's functions from real-time bold-line Monte Carlo | E. GULL |
| 11:45 | Cascade of Solitonic Excitations in a Strongly Interacting Fermi Gas | M. ZWIERLEIN |
| 12:30 | Lunch | |
| 14:00 | Superconducting proximity effects in HgTe structures | L. W. MOLENKAMP |
| 14:45 | Can one sum all Feynman diagrams for the resonant Fermi gas? | K. VAN HOUCHE |
| 15:15 | Coffee break | |
| 15:45 | First principles and accurate numerical studies on strongly correlated electrons - case of high-T _c superconductors and materials with strong spin orbit interaction | M. IMADA |
| 16:30 | Poster Session/Freetime/Discussions | |