

Advanced school in condensed matter physics: Many-body localization

27-28 Shahrivar 1395 (Sept. 17-18, 2016)

School of Physics, IPM, Tehran

Condensed Matter and Statistical Physics group

Program

| | 08:30-09:00 | 09:00 – 10:30 | 10:30-11:00 | 11:00 -12: 30 | 12:30 – 14:00 | 14:00 – 15:30 | 15:30-16:00 | 16:00 – 17:30 |
|--------------------|--------------|-------------------|-------------|-----------------------|---------------|----------------------|-------------|-----------------------|
| Saturday, 17 Sept. | Registration | M. Amini (Lec. 1) | Break | M. Bakhtiari (Lec. 1) | Lunch | A. D. Luca (Lec. 1) | Break | A. D. Luca (Lec. 2) |
| | | 09:00 – 10:30 | 10:30-11:00 | 11:00 – 12:00 | 12:00 – 14:00 | 14:00- 15:00 | 15:00-15:30 | 15:30 – 17:00 |
| Sunday, 18 Sept. | | M. Amini (Lec. 2) | Break | F. Pollmann (Lec. 1) | Lunch | F. Pollmann (Lec. 2) | Break | M. Bakhtiari (Lec. 2) |

Title of Talks

| Name | Title of Talks |
|-----------------------|-----------------------------------------------------------------------------|
| M. Amini | Random Matrix Theory: multifractality, localization and ergodic transition. |
| M.R. Bakhtiari | Many-Body Localization: insights from ultra-cold atoms. |
| A. De Luca | Non-equilibrium stationary states and many-body localization. |
| F. Pollmann | Many-Body Localization: Entanglement and efficient simulations. |