



# FOR 5522 PhD School on Nonergodic Quantum Dynamics

## Monday 23 September 2024

### Lecture - HS 2 (Max Born Hörsaal) (14:15 - 15:45)

| time  | [id] title   | presenter              |
|-------|--|------------------------|
| 14:15 | [5] Lecture 1 - Transport and hydrodynamics in one-dimensional systems | GOPALAKRISHNAN, Sarang |

### Lecture - HS 2 (Max Born Hörsaal) (16:15 - 17:45)

| time  | [id] title  | presenter            |
|-------|---|----------------------|
| 16:15 | [6] Lecture 2 - Dynamics of complex systems through the prism of adiabatic transformations. | POLKOVNIKOV, Anatoli |

# Tuesday 24 September 2024

## Lecture - HS 2 (Max Born Hörsaal) (09:00 - 10:30)

| time  | [id] title  | presenter            |
|-------|---|----------------------|
| 09:00 | [7] Lecture 3 - Dynamics of complex systems through the prism of adiabatic transformations. | POLKOVNIKOV, Anatoli |

## Lecture - HS 2 (Max Born Hörsaal) (11:00 - 12:30)

| time  | [id] title   | presenter       |
|-------|--|-----------------|
| 11:00 | [38] Lecture 4 - Numerical simulations of quantum many-body systems out of equilibrium | POLLMANN, Frank |

## Lecture - HS 2 (Max Born Hörsaal) (14:15 - 15:45)

| time  | [id] title   | presenter          |
|-------|--|--------------------|
| 14:15 | [9] Lecture 5 - Full Eigenstate Thermalization hypothesis: correlations and beyond | PAPPALARDI, Silvia |

# Wednesday 25 September 2024

## Lecture - HS 2 (Max Born Hörsaal) (09:00 - 10:30)

| time  | [id] title                | presenter       |
|-------|---------------------------|-----------------|
| 09:00 | [39] Lecture 6 - Tutorial | POLLMANN, Frank |

## Lecture - HS 2 (Max Born Hörsaal) (11:00 - 12:30)

| time  | [id] title   | presenter    |
|-------|--|--------------|
| 11:00 | [11] Lecture 7 - Introduction to nonergodic quantum matter | HEYL, Markus |

# Thursday 26 September 2024

## **Lecture - HS 2 (Max Born Hörsaal) (09:00 - 10:30)**

| time  | [id] title   | presenter    |
|-------|--|--------------|
| 09:00 | [14] Lecture 8 - Introduction to nonergodic quantum matter | HEYL, Markus |

## **Lecture - HS 2 (Max Born Hörsaal) (11:00 - 12:30)**

| time  | [id] title  | presenter            |
|-------|---|----------------------|
| 11:00 | [15] Lecture 9 - Engineering local constraints and gauge symmetries in optical lattices | AIDELSBURGER, Monika |

## **Lecture - HS 2 (Max Born Hörsaal) (14:15 - 15:45)**

| time  | [id] title                                    | presenter         |
|-------|---|-------------------|
| 14:15 | [37] Lecture 10 - Hilbert-space fragmentation | MOUDGALYA, Sanjay |

## **Lecture - HS 2 (Max Born Hörsaal) (16:15 - 17:45)**

| time  | [id] title                                | presenter     |
|-------|---|---------------|
| 16:15 | [17] Lecture 11 - Quantum many-body scars | NIELSEN, Anne |

# Friday 27 September 2024

## Lecture - HS 2 (Max Born Hörsaal) (09:00 - 10:30)

| time  | [id] title   | presenter     |
|-------|--|---------------|
| 09:00 | [18] Lecture 12 - Experimental access to non-ergodic behavior in quantum magnets with neutron scattering | TENNANT, Alan |

## Lecture - HS 2 (Max Born Hörsaal) (11:00 - 12:30)

| time  | [id] title   | presenter       |
|-------|--|-----------------|
| 11:00 | [19] Lecture 13 - Probing Quantum Dynamics using Ultracold Atoms in Optical Lattices | BLOCH, Immanuel |