

Guest lectures
(LV-Nr. 260196)

Prof. Francesco Petruccione

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on

Theory of Open Quantum Systems

Mondays - Thursdays, May 19th – May 29th: 10.00 – 13:00 h

Tuesdays - Thursdays, May 20th – May 29th: 14.00 – 16:00 h

The lecture will give an introduction into the theory of open quantum systems. The dates will be arranged with the participants of the course. The topics include:

- Classical probability theory
- Quantum probability
- Theory of quantum measurements
- Interaction of system with environment
- Dynamical maps
- Quantum master equations
- Mechanism of decoherence
- Examples of open quantum systems
- Applications to quantum optical systems

IQOQI - Seminarraum 2.08
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