

$$\frac{\hbar\omega}{2m\hbar} (a + a^\dagger) = -i \cdot \sqrt{\frac{m\hbar^2}{2}} (a - a^\dagger)$$

$$= \frac{\hbar\omega}{4} (2aa^\dagger + 2a^\dagger a) \Psi \rightarrow \hbar\omega(n + \frac{1}{2})$$

NRW

CLASSICAL AND QUANTUM DYNAMICS OF INTERACTING PARTICLE SYSTEMS

9:00 – 10:30 (Part 1) // 14:00 – 15:30 (Part 2)

Wolfgang König (TU Berlin, Weierstraß-Institut Berlin)

LARGE DEVIATIONS THEORY AND APPLICATIONS

11:00 – 12:30 (Part 1) // 16:00 – 17:30 (Part 2)

Gunter Schütz (Forschungszentrum Jülich)

MARKOV PROCESSES AND QUANTUM SPIN CHAINS

12:30 – 14:00 Lunch Break



Wolfgang König



Gunter Schütz

Friday, June 15, 2018
Lecture hall (Hörsaal) III
Department of Physics
University of Cologne
Zülpicher Straße 77