



CRC 1227
Designed Quantum States of Matter



GASTVORTRAG

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Leibniz Universität Hannover Welfengarten 1,
30167 Hannover Hauptgebäude (1101),
Seminarraum am Institut für Quantenoptik
Raum D326

Vortragender:

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(Gast von Prof. Dr. Piet O. Schmidt)

Quantum Imaging: basic quantum effects and practical technologies.

Imaging is a universal technology. We use it every day, from entertainment to medical diagnostics. Most of it involves light and photons and much of it is now digital. Let me discuss some new developments that have emerged, based on ever improving technology. Looking forward key questions emerge: How can we use the quantum properties of photons to improve imaging? How are fundamental quantum effects limit imaging? Are our present devices ready for the challenge of the future?

**Zu dieser Veranstaltung sind alle DQ-mat-Mitglieder und
alle Interessierten herzlich eingeladen.**