



Seminar/Talk

Quantum non-Gaussianity

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Host: Johannes Fink

Quantum non-Gaussian states are crucial for quantum technology with bosonic systems, with already validated applications in sensing and error correction. The talk will examine recent theoretical and experimental techniques that have enhanced our understanding, control, and use of quantum non-Gaussian coherences across optical, microwave, and mechanical platforms. This field remains challenging to explore both theoretically and experimentally. We will highlight recent achievements in contrast to ongoing problems. The talk will end with a review of future challenges in theory and experiment, focusing on genuine quantum nonlinear interactions with light, atoms, mechanical oscillators, and superconducting circuits, to promote discussion and further development of this promising area.

Thursday, July 17, 2025 10:00am - 11:00am

Office Bldg West / Ground floor / Heinzl Seminar Room (I21.EG.101)



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

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<https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.