



Einladung

zum

Seminar der Institute für Quantenoptik und Quantenphysik

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The forgotten heritage of Max Planck

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Abstract:

Besides the discovery of the fourth fundamental physical constant, Max Planck has solved various important problems in physics. Our point is that, beyond their mere historical interest, Planck's several forgotten (unknown) results still may have relevance even in the everyday practice of modern physics, including for instance laser noise or entanglement. After keeping track of Planck's lesser known original thoughts concerning the black-body radiation problem, we shall deal e.g. with his work on the energy fluctuation of chaotic radiation and his second theory, which already contained the concept of induced emission and zero-point energy. We also show Planck's original derivation of the natural system of units.