Il Dr.

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terrà un **seminario** dal titolo:

One from many: Scalar estimation in a multiparameter context

Mercoledi 31 Luglio, ore **12.00** presso l'**aula B**, DiFC, via Archirafi 36

Tutti gli interessati, in particolare **studenti** e **dottorandi**, sono invitati a partecipare.

Abstract

Achievable sensitivity bounds are difficult to formulate for quantum multiparameter estimation. We consider a specialized case: many parameters of a Hamiltonian are unknown and one seeks an estimate for a scalar function of the Hamiltonian. This problem exhibits genuine multiparameter behavior, though it is superficially similar to single-parameter estimation. By uniting saturable single-parameter quantum bounds with geometric reasoning we prove the conditions, necessary and sufficient, for saturating the fundamental and attainable bound in this context.