



INFN Sezione di Trieste & Dipartimento di Fisica

Joint Seminar

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Thursday February 8, 2018 – 3:00 PM – Room 204 Leonardo Building – Strada Costiera, 11, Trieste

Interacting quantum field theories as relativistic statistical field theories of local beables

Abstract

I will present a generic method to construct collapse models with good symmetry properties starting from interacting quantum field theories. A peculiar feature of the resulting models is that they can be made empirically equivalent to the Standard Model supplemented with the Copenhaguen interpretation. Hence, whilst it solves the problem of finding relativistic collapse models, this approach hints at a reconsideration of the whole collapse program: as an interpretation or reformulation of QFT rather than as an extension making different predictions.

Organization by: Prof. A. Bassi





Everyone interested in the topic is welcome to attend