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Daniele Colosi: A general boundary approach to quantum gravity

Wednesday 28 October 2015 18:00 (30 minutes)

The general boundary formulation (GBF) is a new axiomatic formulation of quantum theory not relying on a spacetime background metric. It has emerged as a viable and effective way to study the dynamics of quantum fields and represent a promising approach to the problem of quantum gravity. The aim of the talk is to give an introduction to the GBF, to present the results obtained so far and to explain the relevance of the GBF for the quantum gravity issue.