DANISH QUANTUM FIELD THEORY MEETING 2025

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University of Southern Denmark (Odense)

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Resurgence in Topological Quantum Field Theory

Wednesday 13 August 2025 14:15 (30 minutes)

Resurgence is a method for summation of divergent power series. In recent years this have been succesfully applied to divergent series arising from pertubation theory in quantum field theory. I will illustrate this with the Witten-Reshetikhin-Turaev topological quantum field theory for a certain general class of three-manifold space-times. This is based on joint work with Andersen, Han, Li, Sauzin and Sun.

Presenter: MISTEGÅRD, William