

# Seminar

Prof. Jeffrey Morton

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## Towards extended TQFT from higher gauge theory

Friday, February 14, 2014

at 14:30 h

ESI, Boltzmann Lecture Hall

**Abstract:** I will describe a general construction which gives "extended" Topological Quantum Field Theories (ETQFT) in codimension 2 from a gauge group, using a quantization functor in the spirit of Freed-Hopkins-Lurie-Teleman. I will discuss prospects for a generalization of this method to a codimension-3 ETQFT higher gauge theory based on categorical groups, and beyond.

J. Fuchs, L. Katzarkov, N. Reshetikhin, C. Schweigert

February 10, 2014