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Constructions of conformal QFTs from Borchers triples: non-local examples.

We review the construction of QFTs from so-called Borchers triples consisting of a von Neumann algebra localized in a half-line or wedge and a corresponding action of translations. After explaining the general strategy, based on modular theory, and known results, we then exhibit strongly non-local examples by means of a deformation procedure related to quantization. Joint work with Charley Scotford.