



**UNIVERSITÄT
BIELEFELD**



Faculty of Physics



Seminar

Mathematical Physics

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String-localized quantum fields and some phenomenological applications

Over fifteen years ago, on the basis of modular theory, string-localized quantum fields (SLQF) were developed by Mund, Rehren, Schroer and Yngvason. There were precedents for them, particularly in work by Buchholz and Fredenhagen towards the end of last century. On the theoretical side, SLQF allow to deal with Wigner particles not covered by Wightman's axioms. They provide as well for new viewpoints and techniques in the phenomenology of the Standard Model.

Thursday, December 1, 2022, 4:00 p.m.

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