

## Some New Taylor-BKAR Formulas (in person)

*Wednesday, 1 December 2021 10:00 (50 minutes)*

We here introduce some combinatorial and analytic tools, conceived to make possible to perform new expansions in the context of constructive field theory and multiscale analysis. These formulas generalize the idea of performing cluster expansion using a sum indexed by forest to the case of a Taylor expansion of order more than zero. They are expected to help construct new field theories of the matrices and tensors type.

**Presenter:** AND VINCENT RIVASSEAU, Léonard Ferdinand (Lab. de physique des deux infinis Irène Joliot-Curie, Université Paris-Saclay)