

## Composite Dark Matter

*Tuesday, 29 May 2018 15:00 (20 minutes)*

Models of composite dark matter, originating from a new strongly coupled dark sector, have a very interesting phenomenology for particles with mass around the hundreds of GeVs. To make robust predictions in these models one often needs to investigate non-perturbative effects due to the strong self interactions. Lattice field theory methods and numerical simulations are well suited for this task and contribute to a solid uncertainty quantification.

I will review the advances of lattice field theory techniques relevant for searches of dark matter particles.

### E-mail

erinaldi.work@gmail.com

**Primary author:** Dr RINALDI, Enrico (RIKEN-BNL)

**Presenter:** Dr RINALDI, Enrico (RIKEN-BNL)

**Session Classification:** Dark Matter

**Track Classification:** DM