



Contribution ID: 102

Type: **Talk**

## **Strongly Coupled Composite Dark Matter**

*Saturday, July 30, 2016 9:45 AM (30 minutes)*

Models of composite dark matter, originating from a new strongly coupled dark sector, have a very interesting phenomenology.

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.

In this talk I review recent works in this direction, comparing lattice results for composite dark matter interactions to experimental bounds.

**Primary author:** Dr RINALDI, Enrico (LLNL)

**Presenter:** Dr RINALDI, Enrico (LLNL)

**Session Classification:** Plenary Session

**Track Classification:** Plenary Session