

# Theory Seminar

Monday, September 22, 2008 2:10 PM 831 Pupin Hall

## "Intrinsic limits in the description of interacting, massive high-spin particles"

While a consistent theory of massless interacting particles of spin larger than two may not exist, at least in flat space, plenty of massive high-spin particles are known. Among the known examples are hadronic resonances and massive string states. Both are best thought of as resonances endowed with a finite fundamental size, or lifetime, never parametrically smaller than their Compton wavelength. In this talk I shall present a model-independent argument that justifies this property.

**Massimo Porrati, New York University**

