

Thesis Seminar

**Caio De Naday Hornhardt
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**Wednesday, December, 2019
HH-3017, 1-2pm**

Gradings on classical Lie superalgebras

Abstract:

The classification of gradings by arbitrary groups on classical Lie superalgebras, over an algebraically closed field of characteristic 0, can be reduced to the classification of gradings on finite-dimensional superinvolution-simple associative superalgebras. In this talk, we will give an overview of why this is the case and provide a classification of the latter, explaining the meaning of the parameters involved. Time permitting, we will discuss with more detail the case of superinvolution-simple superalgebras that are not simple as superalgebras.