



Dr. Christoph Wockel **Higher Symmetries and their** **classification**

ZEIT:

2.2.2012, 14:15 Uhr - 15:15 Uhr

ORT:

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We will describe how Lie 2-groups and the associated notion of principal 2-bundles can be used to realise degree three cohomology classes geometrically. One important example will be the canonical 3-class on a compact simple Lie group. The geometric representative has a Lie 2-group structure itself, which is known as the Sting 2-group.

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