



## Dr. Christoph Wockel Higher Symmetries and their classification

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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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