



EINLADUNG

im Rahmen des Seminars für Mathematische Physik

zum Vortrag

von

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über

„Calabi-Yau manifolds and sporadic groups“

Abstract:

One of the recent topics of interest in mathematical string theory is the study of the Mathieu moonshine and how it is realised in a string theoretic framework. It was shown by Eguchi, Ooguri and Tachikawa that the elliptic genus of the K3 surface has connections to the dimensions of the irreducible representations of the M_{24} Mathieu group. In this talk, I shall give an overview of the (Mathieu) moonshine and present the results of a study of the (twined) elliptic genera expansion of CY 5-folds and relations to sporadic groups.

Zeit: Dienstag, 14.11.2017, 14:00

Ort: Erwin-Schrödinger-Hörsaal, Fakultät für Physik,
Boltzmanngasse 5, 5. Stock

gez.: S. Fredenhagen, D. Grumiller