



1 1  
1 0 2  
1 0 0 4

Leibniz  
Universität  
Hannover

# Oberseminar zur Algebra und Algebraischen Kombinatorik

**Dr. Jacinta Torres**

(MPI Bonn, Mathematisches Institut der Universität zu Köln)

**„On a conjecture of Naito–Sagaki: Littelmann paths and Littlewood–Richardson Sundaram tableaux“**

This is joint work with Bea Schumann. The aim of the talk is to present a conjecture, introduced by Naito and Sagaki, on the branching of representation from  $sl(2n, \mathbb{C})$  to  $sp(2n, \mathbb{C})$  in terms of Littelmann paths. We have recently provided a proof of this conjecture, using combinatorial methods which include results by Sundaram on semi-standard Young tableaux, up-down symplectic tableaux, and a special case of the Berele insertion algorithm. This rule is a new approach to "non-Levi" branching rules. At the end of the talk I will highlight perspectives in this direction.

**Montag, 12.12.2016**

**ab 14:00 Uhr, Raum a410**

Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.

Institut für Algebra, Zahlentheorie  
und Diskrete Mathematik