代数表示论团队学术报告

**报告题目：Hall Algebras and Quantum Cluster Algebras**

**报告人：陈学庆教授 (University of Wisconsin-Whitewater)**

**时间地点：2019年7月18日9:00-10:00, 新主楼1223报告厅.**

**邀请人：刘玉明**

**报告摘要：Through the Ringel-Hall algebra approach, one can construct quantum groups from some abelian categories, and construct Kac-Moody Lie algebras and some elliptic Lie algebras from the derived categories of some finite dimensional associative algebras. In this talk, the constructions of Hall algebras of some triangulated categories via derived Hall algebras for derived categories will be presented and the relations between them will be characterized. As an application, some connections between Hall algebras and quantum cluster algebra will be addressed.**