

数学与系统科学研究院

计算数学所学术报告

报告人: **Prof. Irene Gamba**

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报告题目:

**Recent progress on computational
Boltzmann and Landau conservative
solvers in plasma dynamics**

邀请人: 徐丽 博士

报告时间: **2018 年 7 月 3 日 (周二)**

下午 14:30-15:30

报告地点: **数学院南楼七层**

714 教室

Abstract:

We discuss conservative solvers for Boltzmann and Landau - Poisson systems in several cases, including under the effect of boundary roughness. We present a detailed numerical study by means of DG schemes of specular vs diffusive reflection conditions for a two dimensional domain with transport in full phase k -space.

We will also present a new fully conservative Petrov Galerkin solver for the Boltzmann and Landau equations. From different works in collaboration with Jose Morales Escalante, Chenglong Zhang and Sergej Rjasanow

欢迎大家参加！