



# ***EINLADUNG***

## **Literaturseminar**

zum Vortrag

von

**Leo Bigorgne**

(Orsay)

über

***„Asymptotics properties of the small data solutions  
of the Vlasov-Maxwell system“***

### **Abstract:**

The Vlasov-Maxwell system is a classical model in plasma physics. Glassey and Strauss proved global existence for the small data solutions of this system under a compact support assumption on the initial data. I will present how vector field methods can be applied to revisit this problem. In particular, it allows to remove all compact support assumptions on the initial data and obtain sharp asymptotics on the solutions. We will also discuss the null structure of the system which constitutes a crucial element of the proof.

**Zeit:** Donnerstag, 09.05.2019, 14:00

**Ort:** Arbeitsgruppe Gravitation, Währinger Straße 17,  
Seminarraum 218, 2. Stock

gez.: P. T. Chruściel, D. Fajman