

# Schedule

**“Mean-field dynamics of many particle systems”**

**Wolfgang Pauli Institute, Vienna**

**December 15<sup>th</sup> - 16<sup>th</sup> 2016**

**Organizers: F. Golse & N. Mauser**

## Program

**Thursday, December 15<sup>th</sup> 2016**

09:30 - 10:00: **Registration**

10:00 - 11:00: **Claude Bardos & Norbert Mauser**

“Discussion of some open problems in many particle systems”

11:00 - 11:45: **Peter Pickl**

“Microscopic Derivation of the Vlasov equation”

12:00 - 14:00: **Lunch break**

14:00 - 14:45: **Chiara Saffirio**

“Mean field evolution of fermions with Coulomb interaction”

15:15 - 16:00: **Marcin Napiorkowski**

“Norm approximation for many-body quantum dynamics”

**Friday, December 16<sup>th</sup> 2016**

09:30 - 10:15: **Pierre-Emmanuel Jabin**

“Mean field limits for 1st order systems with bounded stream functions”

10:45 - 11:30: **Nathalie Ayi**

“From Newton's law to the linear Boltzmann equation without cut-off”

12:00 - 14:00: **Lunch break**

14:00 - 14:45: **François Golse**

“Quantization of probability densities: a gradient flow approach”