



UNIVERSITÀ DEGLI STUDI DI PARMA
COLLOQUIUM DEL
DIPARTIMENTO DI MATEMATICA E INFORMATICA
CAMPUS - PARCO AREA DELLE SCIENZE, 53/A
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Notizie

5 marzo 2015



Martedì 17 Marzo 2015 ore 15,30

Prof. Laurent Desvillettes

ENS Cachan - CMLA Centre de mathématiques
et de leurs applications

Nell'ambito del Colloquium il prof. **Laurent Desvillettes**, **Martedì 17 Marzo** ore **15,30** presso la **Sala delle Riunioni del Dipartimento**, terrà un seminario dal titolo:

**About the use of entropy methods for PDEs:
the example of the Landau equation**

Abstract. Entropy methods have been widely used in the last years to obtain estimates of smoothness and asymptotic behavior for systems of PDEs, including kinetic equations, nonlinear diffusion equations, reaction-diffusion systems, higher-order equations, etc.

We present results recently obtained on the Landau equation. This equation models the collisions in plasmas due to the Coulomb interaction between charged particles. They are directly related to the study of the entropy production of the quadratic Landau operator, and to the Cercignani's conjecture of kinetic theory.

Tutti sono invitati a partecipare

Proff. Adriano Tomassini, Alessandra Lunardi