



SCUOLA  
NORMALE  
SUPERIORE

## SEMINARIO DI MATEMATICA

**mercoledì 20 aprile 2011**

ore 15.00

Scuola Normale Superiore

Pisa

(Aula Dini)

***Niels Borne***

*Université de Lille*

Terrà un seminario dal titolo:

***“A criterion of cuspidalization of  $l$ -adic sections”***

***Abstract***

*This is a joint work with Michel Emsalem. A (special case of) a theorem of U.Jannsen describes when the  $l$ -adic cohomology of the complement of two rational points in a smooth proper curve defined over a number field is pure, as a Galois representation. We extend this result to an arbitrary affine open subset of the curve. I will also give an application to a weak version of the "cuspidalization conjecture", and discuss how this conjecture is related to Grothendieck's famous section conjecture.*

Tutti gli interessati sono invitati a partecipare.

Classe di Scienze