**Laboratoire de Physique Théorique et Hautes Energies**

Unité Mixte de Recherche (UMR 7589) de Sorbonne Université et du CNRS

**SEMINAIRE du LPTHE**

***Vendredi 24 Janvier 2020, 14:00***

# Dmytro Volin

***Uppsala***

## Rational spin chains at higher rank : solution, completeness, separation of variables

*Rational spin chains with GL(N) symmetry of higher rank and their supersymmetric generalisation became of increased importance recently due to their relation to the AdS/CFT integrable system. We will discuss recent advances in their systematic study, in particular we show novel ways to explicitly solve Bethe equations and to prove their completeness, and introduce separation of variables for these systems.*

**Bibliothèque du LPTHE, tour 13/14, 4ème étage**

*N.B. La liste de tous les séminaires en région parisienne est disponible sur*
***http ://semparis.lpthe.jussieu.fr***