SEMPARIS – Séminaires en région parisienne

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Strings, integrability and beyond

Jeudi 11 Fevrier 2016, 11 :00
LPTENS, salle 235 A, 29 rue d'Ulm
Domaines : hep-th

Titre : *The Conformal Bootstrap and the S-matrix Bootstrap for Massive Quantum Field Theories*

Orateur : **Pedro Vieira (Perimeter Institute for Theoretical Physics)**

Résumé : *I will describe ongoing work with Miguel Paulos, Joao Penedones, Jon Toledo and Balt van Rees. We are attempting to bootstrap massive quantum field theories. We will use both S- matrix and the conformal bootstrap for those purposes. In two dimensions, we obtain numerical and analytical bounds and observe that the Ising field theory with magnetic field lies precisely at the boundary of these bounds.*
