

SEMPARIS – Séminaires en région parisienne

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Séminaire commun LPTENS/LPTHE

Mercredi 23 Octobre 2019, 14 :00

LPTENS, Scherk library (formerly LPTENS library)(Unusual day)

Domaines : hep-th

Titre : *On dual description of the deformed $OSp(N-2m)$ sigma models*

Orateur : **Mikhail Alfimov (HSE University, P.N. Lebedev Phys. Inst. of the RAS and NRNU MEPhI)**

Résumé : *We study dual strong coupling description of an integrable deformation of the $OSp(N-2m)$ sigma model. This description is based on the set of screening charges, which we present and which describes the integrable structure of this theory. We find one-parametric Yang-Baxter deformation of the $OSp(N-2m)$ sigma model and study its one-loop renormalization group flow. This action is conjectured to appear from the mentioned system of the screening charges.*
