SEMPARIS – Séminaires en région parisienne

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Seminaire de physique mathematique du CPHT, Ecole Polytechnique

Jeudi 11 Fevrier 2016, 11 :45
CPHT, Salle de conf Aile0
Domaines : hep-th

Titre : *On some generalizations of the Born-Infeld Theory*

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Résumé : *Above and beyond its original motivations, the Born-Infeld theory plays an important role in connection with partial SUSY breaking. It also emerges naturally in String Theory, and its field equations afford an intriguing generalization of electric-magnetic duality to an interacting system. I shall elaborate on two types of Abelian multi-field extensions. The first is related to partial breaking and rests on the Antoniadis-Partouche-Taylor construction, while the second is related to dualities and rests on the Ivanov-Zupnik method.*