SEMPARIS – Séminaires en région parisienne

Séminaire commun LPTENS/LPTHE

Mardi 30 Avril 2019, 11 :00
LPTHE, LPTHE library(remote)
Domaines : hep-th

Titre : *BPS Hall algebra of scattering Hall states*

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Résumé : *Starting with a very pedestrian point of view we compare two different at the first glance definitions for an algebra associated to BPS states in supersymmetric fields theories. One proposed by Harvey and Moore exploits S-matrices of BPS states as structure constants of a new algebra. Another one proposed by Kontsevich and Soibelman gives a construction according to the structure of cohomological Hall algebras. We show these two constructions give equivalent algebras.*