

SEMPARIS – Séminaires en région parisienne

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Séminaire du CPHT

Mardi 12 Fevrier 2019, 11 :00

CPHT, Salle de Conference Louis Michel (Bât.6 CPHT)

Domaines : hep-th

Titre : *Symmetries and spectrum of conformal higher-spin gravity*

Orateur : **Xavier Bekaert (Tours U)**

Résumé : *Conformal higher-spin gravity is a higher-spin extension of Weyl gravity which, despite being non-unitary, provides a remarkable example of a perturbatively local interacting higher-spin theory, consistent with minimal coupling to gravity around a flat background. The linearized spectrum and the algebra of global symmetries of conformal higher-spin gravity decompose into infinitely many representations of the conformal algebra. Their characters involve divergent sums over spins. We propose a suitable regularization adapted to their evaluation and observe that their characters are actually equal. This confirms previous observations on a remarkable rearrangement of dynamical degrees of freedom in conformal higher-spin gravity after regularization.*
