SEMPARIS – Séminaires en région parisienne

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TBA

Lundi 22 Mai 2017, 14 :00
IHES, Centre de conférences Marilyn et James Simons(Séminaire de Relativité Générale Mathématique)
Domaines : hep-th

Titre : *The inextendibility of the Schwarzschild spacetime as a Lorentzian manifold with a continuous metric*

Orateur : **Jan Sbierski (Cambridge, UK)**

Résumé : *The maximal analytic Schwarzschild spacetime is manifestly inextendible as a Lorentzian manifold with a twice continuously differentiable metric. In this talk I will describe how one proves the stronger statement that the maximal analytic Schwarzschild spacetime is inextendible as a Lorentzian manifold with a continuous metric. The investigation of low-regularity inextendibility criteria is motivated by the strong cosmic censorship conjecture in general relativity.*