SEMPARIS – Séminaires en région parisienne

http ://string.lpthe.jussieu.fr/semparis/

Particle Physics at LPTHE

Mardi 24 Avril 2018, 14 :00
LPTHE, Library
Domaines : hep-ph

Titre : *Towards a synoptic view of new physics*

Orateur : **Andy Buckley (U. of Glasgow)**

Résumé : *It is hardly a secret that evidence of new physics at the LHC has been far more elusive than many hoped and even expected back in 2008/9. Myriad data analyses have been performed, but despite several transient excitements the final answer has so far always been negative. As we approach the LHC's second long shutdown, it is reasonable to ask whether targetted search analyses based on simplified BSM models is sufficient for the physics within the LHC reach : perhaps the effects we are looking for will require cross- referencing of many disparate search strategies, in more general models. I will describe the growing activity and technology in various degrees of global fitting, from combinations of top-quark and SM observables, to LHC search surveys and scans, and to truly "synoptic" BSM fits extending far beyond collider physics.*