SÉMINAIRE DE PHYSIQUE CORPUSCULAIRE

SUJET: Searching for SUSY in Big Data at the LHC

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LIEU: Ecole de physique, Grand Auditoire A
24, Quai Ernest-Ansermet, Genève

RÉSUMÉ:

One of the most enticing and popular additions to the Standard Model of particle physics, Supersymmetry, is the target of a wide range of searches at the Large Hadron Collider at CERN. The ATLAS and CMS experiments have produced an incredible variety of searches, but Supersymmetry remains elusive. This seminar will present the results of some of the recent searches that demonstrate the dexterity of both experiments, and point out which assumptions might be playing an important role in the interpretation of those results. There are still many ways Supersymmetry could have escaped detection up to now, and we will also point towards some of the next directions for searches for Supersymmetry at the LHC. Along the way, we will discuss some of the software and computing challenges that come with world-wide analysis of tens of billions of events, and how the experiments at the LHC are squeezing every drop out of their data.

INFORMATION : http://dpnc.unige.ch/seminaire/annonce.html
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