

ICHEP2012



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## SUSY Without Prejudice at LHC-7 & -8

*Friday 6 July 2012 10:00 (15 minutes)*

We will examine the capability of the 7/8 TeV LHC to explore the 19(20) dimensional parameter space of the pMSSM SUSY model following the ATLAS MET analysis suite. Allowing for either a neutralino or gravitino LSP and assuming all sparticle masses lie below 4 TeV, we demonstrate that the LHC searches can cover a large fraction of this space. The importance of non-MET searches, such as those for heavy stable charged particles,  $A \rightarrow \tau\tau$  and  $B_s \rightarrow \mu\mu$  will also be discussed.

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