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Prospects for SUSY discovery or exclusion at future e^+e^- and pp colliders

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A study of prospects for SUSY based on scanning the relevant parameter space of (weak-scale) SUSY parameters, is presented. In particular, I concentrate on the properties most relevant to evaluate the experimental prospects: mass differences lifetimes and decay-modes. A scan over SUSY parameter space was done, requiring that the NLSP was a bosino or a stau - the hardest cases - with mass not larger than a few TeV.

The observations are then confronted with estimated experimental capabilities, including - importantly - the detail of simulation these estimates are based upon. Conclusions on realistic prospects are presented.

Time Zone

Europe/Africa/Middle East

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