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Search for new particles at the ILC

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Although the LHC experiments have searched for and excluded many proposed new particles up to masses close to 1 TeV, there are many scenarios that are difficult to address at a hadron collider. This talk will review a number of these scenarios and present the expectations for searches at an electron-positron collider such as the International Linear Collider. The cases discussed include SUSY in strongly or moderately compressed models, heavy neutrinos, heavy vector bosons coupling to the s-channel in e^+e^- annihilation, and new scalars.

In-person participation

Yes

Primary author: Dr BERGGREN, Mikael (DESY)**Presenter:** Dr BERGGREN, Mikael (DESY)**Session Classification:** Beyond the Standard Model**Track Classification:** Beyond the Standard Model