

First ECFA WORKSHOP.

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Type: **Poster**

New physics searches with the ILD detector at the ILC

Thursday 6 October 2022 17:30 (2 hours)

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 poster gives an overview of recent ILD studies on new particle searches at the ILC. The cases discussed include the light Higgsino, the stau lepton in the coannihilation region relevant to dark matter, and heavy vector bosons coupling to the s-channel in e^+e^- annihilation.

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Session Classification: Poster Session

Track Classification: WG1-HTE+SRCH - Physics Potential: Higgs, top and EW joint with FIP and direct searches