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Indirect Probe of Minimal Dark Matter at Collider

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A massive particle charged under the electroweak gauge symmetry, such as a Higgsino and Wino, is one of the most promising candidate of the dark matter and called “Minimal dark matter.” Such electroweakly interacting particle will affect the standard model processes through quantum effects. In this talk, I will discuss search strategies for such a dark matter with precision measurements of the standard model processes at current and future colliders. This indirect search will be as strong as the direct production search with mono-X and missing energy.

Parallel Session

Supersymmetry: Models, Phenomenology and Experimental Results

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