

Dastardly Displaced Vertices

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We recast ATLAS displaced vertex searches to a next-to-minimal gauge mediated model originally invented by Delgado, Giudice and Slavich. The singlino decays may be displaced, producing $b\bar{b}$ pairs and missing energy. This signal has terrible efficiency with ATLAS cuts as they were set in the ATLAS analysis. Characterising detector response to displaced vertices is extremely difficult.

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