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Searches for GMSB with higgsino next-to-lightest SUSY particles

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In gauge-mediated supersymmetry breaking (GMSB) scenarios, the lightest SUSY particle is a nearly massless gravitino. Searches for GMSB SUSY are presented in which the next-to-lightest SUSY particles are the higgsinos, which decay to a Higgs or Z boson and the gravitino, leading to final states with missing transverse energy and ZZ, Zh, or hh boson pairs.

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