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Dark Matter searches with Mono-X signatures at the ATLAS experiment

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Searches for strongly produced dark matters using events with jets, photons, heavy-flavor quarks or massive gauge bosons recoiling against large missing transverse momentum in ATLAS are presented. These "mono-X"signatures provide powerful probes to dark matter production at the LHC, allowing to interpret results in terms of effective field theory and/or simplified models with pair production of WIMPs. Recent ATLAS results on dark matter searches at LHC Run 1 are presented. First LHC Run-2 results will be included if available.

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