

Interpretation of searches for Dark Matter produced in association with a hadronically decaying Standard Model boson at ATLAS

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After a brief review of the searches for Dark Matter produced in association with the Standard Model electroweak gauge or Higgs bosons from the ATLAS experiment, exclusion limits with reduced model dependence will be presented for each of them. Their impact on the allowed parameter space of the 2HDM+a model will be compared with the direct interpretation in the context of this model.

Author: SUCHEK, Stanislav (Ruprecht Karls Universitaet Heidelberg (DE))

Presenter: SUCHEK, Stanislav (Ruprecht Karls Universitaet Heidelberg (DE))

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