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Erratum: Search for massive supersymmetric particles decaying to many jets using the ATLAS detector in *pp* collisions at $\sqrt{s} = 8$ TeV [Phys. Rev. D 91, 112016 (2015)]

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It has been found that the model-independent cross-section limits presented in Table VII were incorrect. They are corrected in Table VII below. No other results in this paper are affected.

TABLE VII. (Corrected version): Table showing upper limits on the number of events and visible cross sections in various signal regions. Columns two and three show the expected and observed numbers of events. The uncertainties on the expected yields represent systematic and statistical uncertainties. Column four shows the probabilities, represented by the p_0 values, that the observed numbers of events are compatible with the background-only hypothesis (the p_0 values are obtained with pseudoexperiments). Columns five and six show, respectively, the expected and observed 95% CL upper limit on non-SM events ($N_{\text{non-SM}}$), and columns seven and eight show respectively the 95% CL upper limit on the visible signal cross section ($\sigma_{\text{vis}} = \sigma_{\text{prod}} \times A \times \epsilon = N_{\text{non-SM}}/\mathcal{L}$). In the case where N_{expected} exceeds N_{observed}, p_0 is set to ≥ 0.5.

Signal Region	Expected	Obs.	p_0	$N_{\text{non-SM}}$ Exp.	$N_{\text{non-SM}}$ Obs.	σ_{vis} [fb] Exp.	σ_{vis} [fb] Obs.
SR1 (M_T^{Σ})	160^{+40}_{-34}	176	0.39	74	84	3.6	4.1
$(n_{\text{jet}}, p_{\text{T}}^{\text{jet}}, n_{b-\text{tags}}) = (7, 120\ \text{GeV}, 0)$	370 ± 60	444	0.07	113	171	5.6	8.4
$(n_{\text{jet}}, p_{\text{T}}^{\text{jet}}, n_{b-\text{tags}}) = (7, 180\ \text{GeV}, 0)$	6.1 ± 2.2	4	≥ 0.5	6.3	4.5	0.3	0.2
$(n_{\text{jet}}, p_{\text{T}}^{\text{jet}}, n_{b-\text{tags}}) = (7, 120\ \text{GeV}, 1)$	138 ± 26	178	0.06	50	81	2.5	4.0
$(n_{\text{jet}}, p_{\text{T}}^{\text{jet}}, n_{b-\text{tags}}) = (7, 180\ \text{GeV}, 1)$	2.3 ± 1.0	1	≥ 0.5	4	3	0.2	0.1
$(n_{\text{jet}}, p_{\text{T}}^{\text{jet}}, n_{b-\text{tags}}) = (7, 80\ \text{GeV}, 2)$	1670 ± 190	1560	≥ 0.5	300	248	15	12
$(n_{\text{jet}}, p_{\text{T}}^{\text{jet}}, n_{b-\text{tags}}) = (7, 120\ \text{GeV}, 2)$	38 ± 17	56	0.13	35	47	1.7	2.3

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