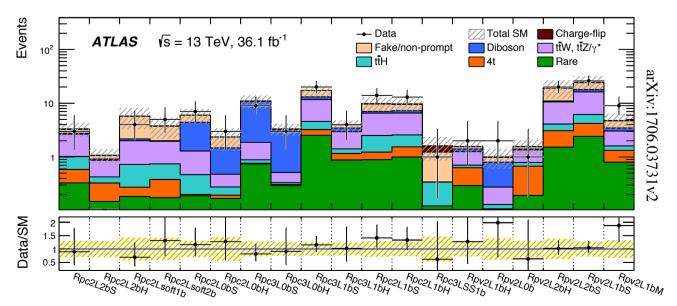


Rpc2L1bH	$\geq 2SS$	$\geq 1$	≥ 6	> 25						
Rpc3LSS1b	$\geq \ell^\pm \ell^\pm \ell^\pm$	$\geq 1$	-	-						
Rpv2L1bH	$\geq 2SS$	$\geq 1$	≥ 6	> 50						$\tilde{g}\tilde{g},\tilde{g}$ –
Rpv2L0b	= 2SS	= 0	≥ 6	> 40						ĝĝ,ĝ −
Rpv2L2bH	$\geq 2SS$	$\geq 2$	≥ 6	> 40	—	- 2000		1010 01 1merer 101 00 1		$\tilde{g}\tilde{g},\tilde{g}$ –
Rpv2L2bS	$\geq \ell^-\ell^-$	$\geq 2$	≥ 3	> 50	-	> 1200	-	-		$\tilde{d}_R \tilde{d}_R / d$
Rpv2L1bS	$\geq \ell^-\ell^-$	$\geq 1$	≥ 4	> 50	-	> 1200	-	-	1	
Rpv2L1bM	$\geq \ell^-\ell^-$	$\geq 1$	≥ 4	> 50	-	> 1800	_	-	ſ	$\tilde{d}_R \tilde{d}_R / \tilde{d}_R$

- with the predicted background after SR-like selections.

## Results and statistical interpretations

- The yields for 2015+2016 data (36.1 fb<sup>-1</sup>) and the different sources of Standard Model background in the signal regions are presented.
- No significant excess over the background is observed in any of the 19 signal regions.
- The total uncertainties amount to 24 46% (depending on the SR).



- Exclusion limits on SUSY contributions to the signal regions are computed, in particular in the context of the benchmark scenarios shown above.
- Results are also used to derive limits for other BSM scenarios (e.g. NUHM2).
- The limits can be compared to previous results of ATLAS searches. In the models considered,  $m_{\widetilde{g}}$  < 1.6 - 1.8 TeV and  $m_{\widetilde{\chi}_{0}}$  < 850 - 950 GeV can be excluded at 95% CL.

