

## New VBS observations at LHC

*Thursday, 20 December 2018 17:30 (15 minutes)*

At ICHEP2018 conference, ATLAS presented its first observations of same-sign WW and WZ vector boson scattering processes, the latter of which was considered as the 1st observation of such process at LHC, leading to a collaboration wide highlight at the ICHEP2018 conference. It is a very important milestone to probe the SM-EWK symmetry breaking and Higgs unitarization mechanism in the VBS processes. The summary is written by the collaboration as physics briefing:

<http://atlas.cern/updates/physics-briefing/weak-lightsabers>

The talk will present such progress with details and future prospects.

### Type

Parallel talk

### Sessions (parallel only)

SMEW

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**Session Classification:** Standard Model and Electroweak

**Track Classification:** SMEW