

## Searches for BSM using double-pulses

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In this work we present an analysis of signals from BSM physics in the IceCube neutrino telescope using the double pulse events. After more than 5 year taking data such events has not been observed, that allow us to establish new constraints in the parameters that describe BSM signals. We study which processes can be the source of such signals and the range of parameters accesible to the detector.

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