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## **LIGO/Virgo : Run O1, Cosmic string search and upper limits on the cosmic string parameters.**

*mardi 29 mai 2018 19:15 (20 minutes)*

Cosmic strings are topological defects which can be formed in GUT-scale phase transitions in the early universe. They are also predicted to form in the context of string theory. I will present the analysis conducted to specifically search for gravitational-wave bursts from cosmic string loops in the data of Advanced LIGO 2015-2016 observing run (O1).

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