Contribution ID: **48** Type: **Oral**

Searches for supersymmetric particles with macroscopic or stable lifetimes using the ATLAS detector

Thursday 23 May 2019 16:50 (15 minutes)

Supersymmetric models present a wide variety of signatures that might be accessible at the LHC. In some cases supersymmetric particles may acquire finite lifetimes, and once produced in collisions, their direct trajectories or decay products can be observed as highly distinctive signatures with relatively small backgrounds. In recent years, the capability of the ATLAS experiment to search for such long-lived supersymmetric particles has been expanded, as these scenarios have been capturing more attention. The latest results of these searches will be presented in this talk.

Presenter: OTONO, Hidetoshi (Kyushu University (JP))

Session Classification: Supersymmetry: Models, Phenomenology and Experimental Results

Track Classification: Supersymmetry: Models, Phenomenology and Experimental Results