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## Searches for exotic resonances and dark matter with boson tagging (ATLAS)

*Monday, July 17, 2017 2:00 PM (20 minutes)*

Several theories beyond the standard model predict new particles decaying resonantly into dibosons or coupling to dark matter particles. Jet substructure and boson tagging techniques play a crucial role in searches for dark matter and diboson resonances in boosted topologies. In this talk, the application of these techniques at ATLAS will be discussed in the context of recent searches for dark matter and diboson resonances. Latest results for these searches in pp collisions at 13 TeV using an integrated luminosity of 36/fb will be presented.

**Presenter:** NARRIAS VILLAR, Daniel Isaac (Ruprecht-Karls-Universitaet Heidelberg (DE))

**Session Classification:** Searches