



Department of Physics and Astronomy
FALL 2021 Colloquium Series - Virtual

“Combination of Heavy Resonance Searches Using the ATLAS Detector”

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The ATLAS collaboration at the LHC performs many independent searches for new heavy resonances beyond the Standard Model. The ATLAS heavy resonance combination (HRC) effort, aims to statistically combine as many of these searches as possible, to maximize the sensitivity to new physics, and in the event of a discovery, help to characterize the nature of the new physics phenomena. This talk will walk through the preparation and tasks involved in performing a heavy resonance combination, present some interesting results, and talk about the future of such efforts in ATLAS.

Thursday, Sept. 23, 2021
4:00 - 5:20PM

Talk will be via Zoom - contact physics@csus.edu for links or visit our Colloquium Spotlight at www.csus.edu/physics

Open & Free to all students, faculty and public