

Abstract Submitted
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A Summer Research Experience in Particle Physics Using Skype

CURRAN JOHNSTON, STEVEN ALEXANDER, Southwestern University, A.K. MAHMOOD, Bellarmine University — This last summer I did research in particle physics as part of a “remote REU.” This poster will describe that experience and the results of my project which was to experimentally verify the mass ranges of the Z' boson. Data from the LHC’s Atlas detector was filtered by computers to select for likely Z boson decays; my work was in noting all instances of Z or Z' boson decays in one thousand events and their masses, separating the Z from Z' bosons, and generating histograms of the masses.

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