

# Columbia University Physics Department Particle Seminar

Wednesday, May 16<sup>th</sup>, 2012 1:00PM

Nevis Library Research Building

## “Search for gravitons using merged jets from Z decays with the ATLAS experiment”

Merged' jets result from the hadronic decay of high  $p_T$  Z bosons. They can be used to extend limits on gravitons which decay to a pair of Z bosons, especially in modern Randall-Sundrum models in which Standard Model particles propagate in the five dimensional bulk.



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