



Catching Einstein's Elusive Waives

May 3, 2018, 5:00 pm – 6:00 pm, 1P Building

XI. Mathematics Connection Conference

Introduction: Dr. Gary Reichard, Provost CUNY/CSI

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Advanced LIGO's discovered gravitational waves on the 100th anniversary of Einstein's prediction. Beyond the extraordinary discovery, there is a growing focus on incorporating gravitational waves as a new window on questions from violent cosmic transients to

cosmology. We will discuss some aspects of (i) the instrumental breakthroughs that enabled the unprecedented sensitivity reached by Advanced LIGO and (ii) the key scientific directions in which gravitational wave searches are being utilized, directly as well as in the context of multimessenger astronomy.