

APR16-2015-000114

Abstract for an Invited Paper  
for the APR16 Meeting of  
the American Physical Society

**Edward A. Bouchet Award: Relativistic Tidal Disruption Events**

PABLO LAGUNA, Georgia Inst of Tech

I will review the current status of modeling relativistic tidal disruption events and the prospects for detecting multi-messenger signatures. These tidal disruption events involve ultra-close encounters of stars with massive black holes. In some scenarios, the tidal disruption yields a flare followed by the prompt formation of a puffed disk accreting at a highly super-Eddington rate.