



# Physics Colloquium



Thursday, Nov 10<sup>th</sup> at 3:30 pm in SC 234

**Dr. Steinn Sigurdsson**  
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## ***Signatures of Black Hole Binaries in Globular Clusters***

Recent observations have increased interest in the possibilities of a significant population of black hole binaries in globular clusters in the local universe. Dynamical evolution can lead to an enhanced interaction rate for compact binaries in dense stellar systems and a distinct and richer population of compact binaries. I discuss some of the issues related to black hole binary formation and retention in globular clusters and some possible signatures that might distinguish them from the field population.

Refreshments at 3:00 pm in SC 103