2019 SPRING COLLOQUIUM

PRESENTED BY

THE DEPARTMENT

OF PHYSICS AND

ASTRONOMY

Irene Tamborra

Associate Professor at the Neils Bohr Institute, University of Copenhagen and winner of the Shakti Duggal Award 2019

Wednesday
February 26
4:00 p.m. 104
Gore Hall

Refreshments in
225 Sharp Lab at 3:30 p.m.

The Ghostly Messengers of the Universe

Neutrinos are key particles in a wide range of astrophysical sources. Neutrinos affect the stellar dynamics, drive the formation of new elements, carry information about the physics of the most energetic events in our Universe, and reveal hints of possible physics beyond the one foreseen by the Standard Model. Recent developments on the role of neutrinos in cosmic sources will be reviewed. The detection perspectives of neutrinos will be outlined.

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