**SEMINARIO**

Giovedì 12 aprile 2018

ore 15:00

presso INFN - Sezione di Pisa

Largo B. Pontecorvo, 3 – Edificio C

**Aula 131 (edificio C – pian terreno)**

**Dr. Gianluca Lamanna**

*(INFN - Pisa)*

Terrà un seminario dal titolo

**𝐾+ → 𝜋+𝜈𝜈̅: First result from NA62 experiment**

**Abstract:** The 𝐾+ → 𝜋+𝜈𝜈̅, being very well predicted in the Standard Model, is one of the best “golden modes” to indirectly investigate the presence of new physics at highest mass scales. The NA62 experiment at CERN SPS is presently taking data for the third year, exploiting a decay-in-flight technique, with the goal to collect O(100) events for this ultra rare process (BR ~10-10 ). The statistics collected in 2016 allows NA62 to reach the SM sensitivity. The preliminary result based on this data set will be presented together with future prospects.