



Physics Department seminar
DIPARTIMENTO DI FISICA, VIA CELORIA 16, MILANO

Aula A in presence and streaming

<https://fisica-unimi.zoom.us/j/94348711346?pwd=eFczSG92ZG93ZUJUMlIGUFB0Yjd1dz09>

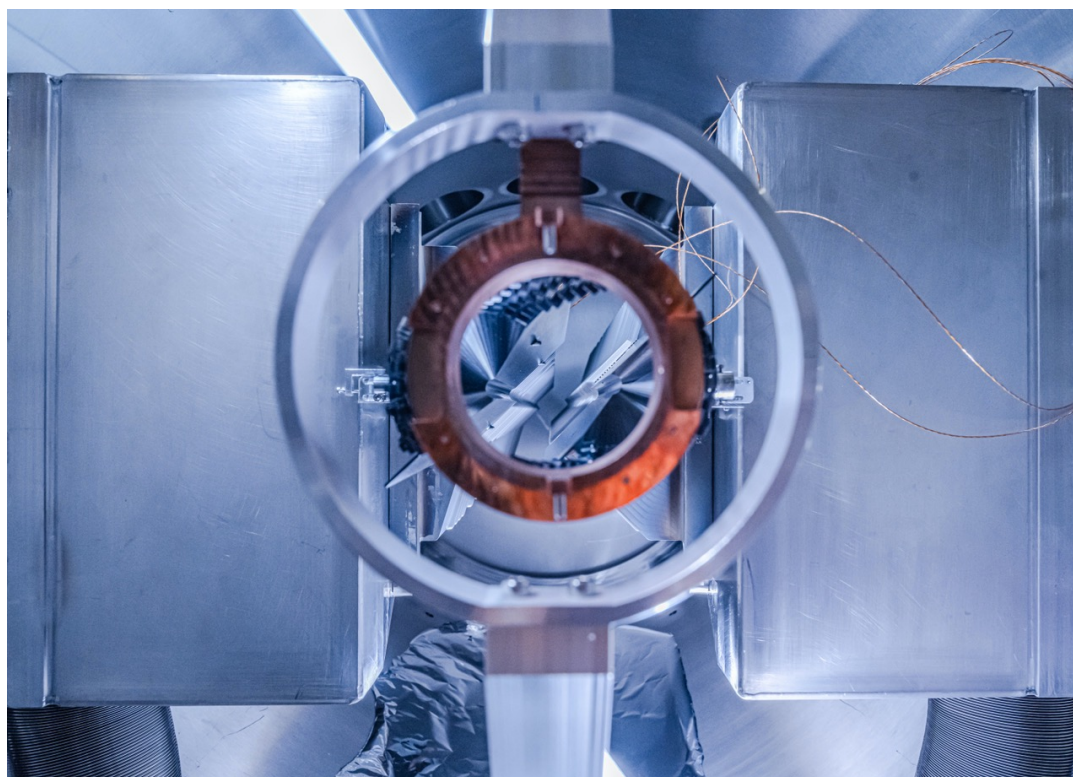
8 Ottobre 2021– 14:30

PATRICK ROBBE

Laboratoire Irene Joliot-Curie des 2 Infinis (IJCLab), Orsay,
CNRS/IN2P3 and Universite Paris-Saclay

Fixed-target physics with the LHCb experiment

Since year 2013, the LHCb experiment started a fixed-target physics program using collisions between the LHC beams and gas injected in the LHC beam pipe at the LHCb interaction point. I will describe the technical challenges for operating the experiment under these special conditions and the physics results obtained with the first phase of this program. The fixed-target setup is being upgraded for the Run 3 of the experiment, which will start in 2022. I will present the improvements expected and the physics reach brought by this upgrade



Students are cordially invited – Contact silvia.leoni@mi.infn.it