

## **Astro-Particle Physics at TIFPA**

AMS-02, AMBER, HEPD-01, EFD-01, TEONGRAV







Apparatus for Meson and Baryon **Experimental Research** 

A 50 meters long Magnetic **Spectrometer for fixed target Physics** 

The protons from the CERN SPS accelerator are used to create hadron beams that are sent to Cryogenic targets:











20 25

15

Limadou HEPD-01

Cherenkov cone in RICH

The Limadou HEPD-01 is the main italian contribution to the **CSES-01 mission**. It is particle detector designed to measure fluxes of charged particle: manly electrons, protons and light nuclei.

LIMADOU 利瑪竇

1 MeV 10 MeV 100 MeV 1 GeV 10 GeV 1 GeV HEPD-01 PAMELA AMS electrons CALET DAMPE

S

DAQ Header

June 22<sup>nd</sup>, 2017, 06:11:40 UTC



Trento Institute for Fundamental Physics and Applications