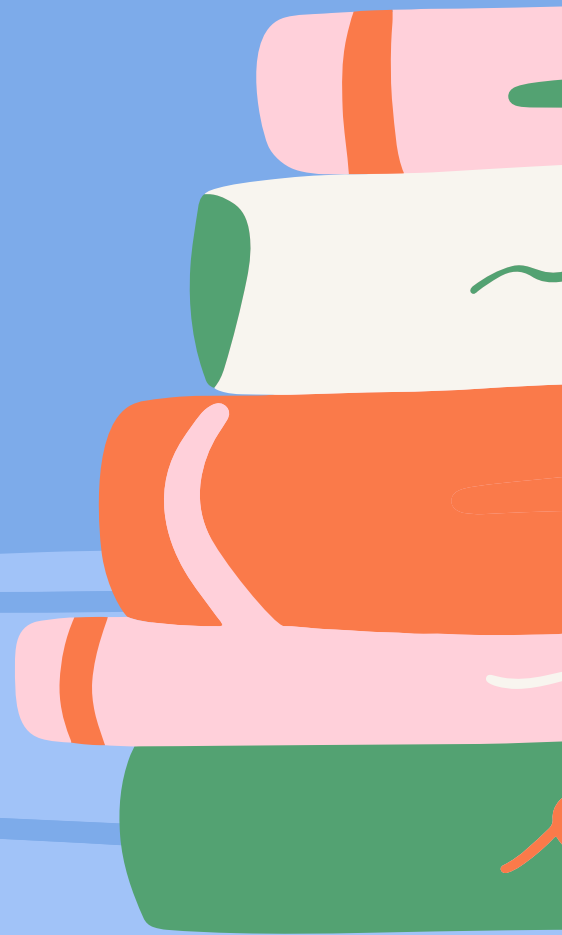


LAVORI IN CORSO A FISICA 2022

MPGD for Applied Physics

Giulio Mezzadri

FE



MAY THE FORCE BE WITH
US.

BUT ALSO MASS,
MOMENTUM, FRICTION

O.-W. Kenobi, Ph.D.



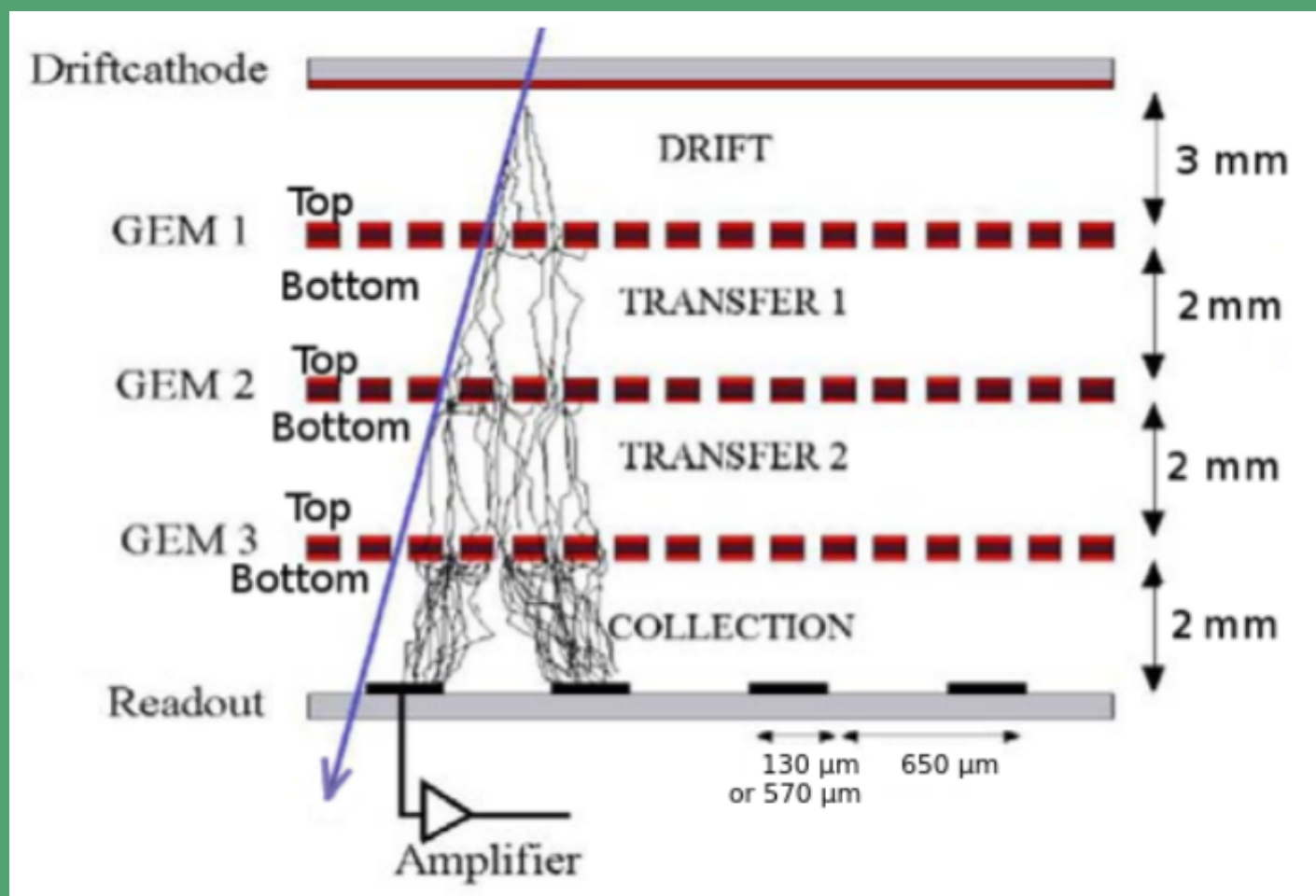
Micro Pattern Gas Detector

Gas detector with multiplication structure size of the order of (hundreds) microns

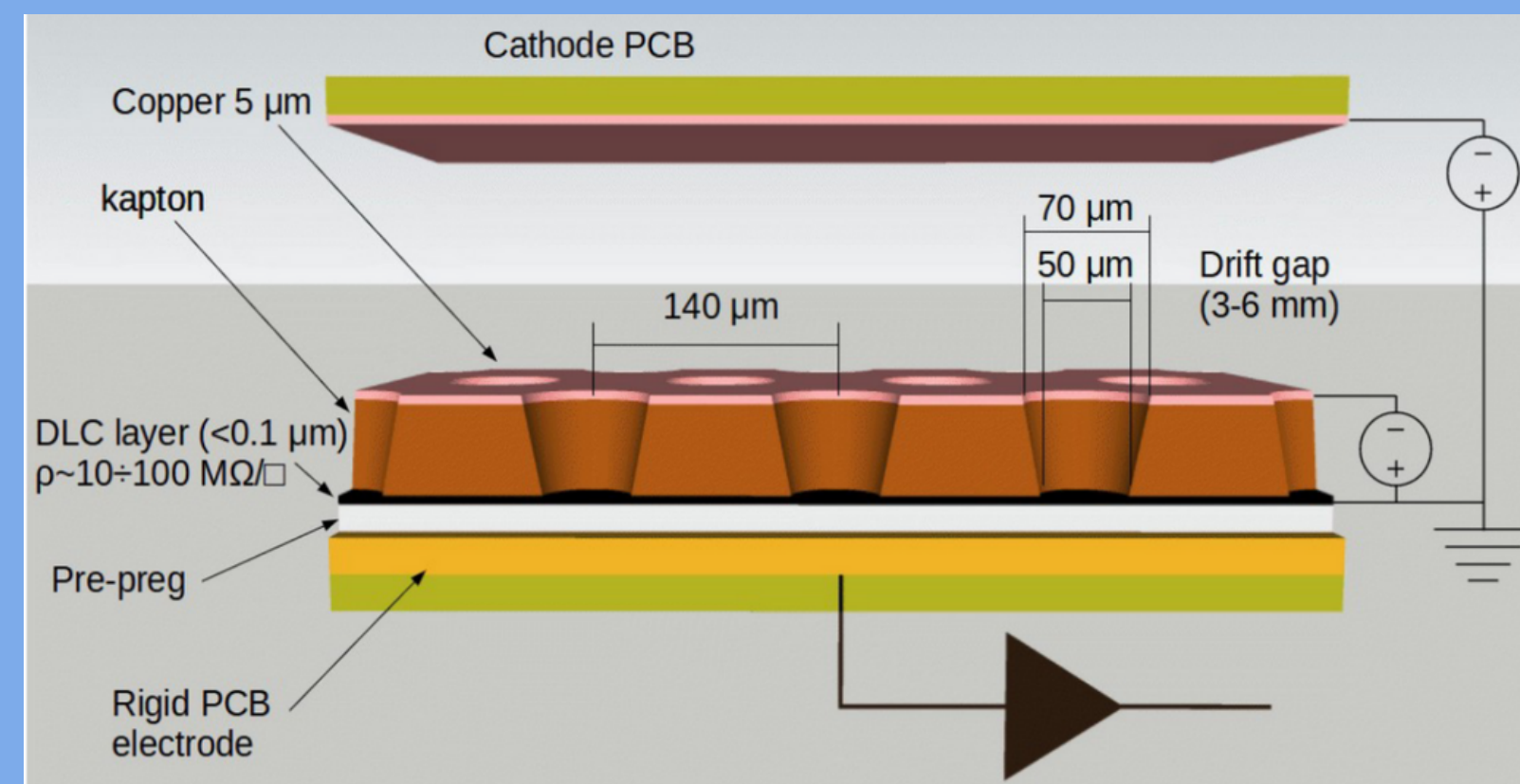


Ehm, What?

GEM



MICRO-RWELL



TO DO WHAT?

To study more everyday-like problems with instrumentation coming from our High Energy Physics experience





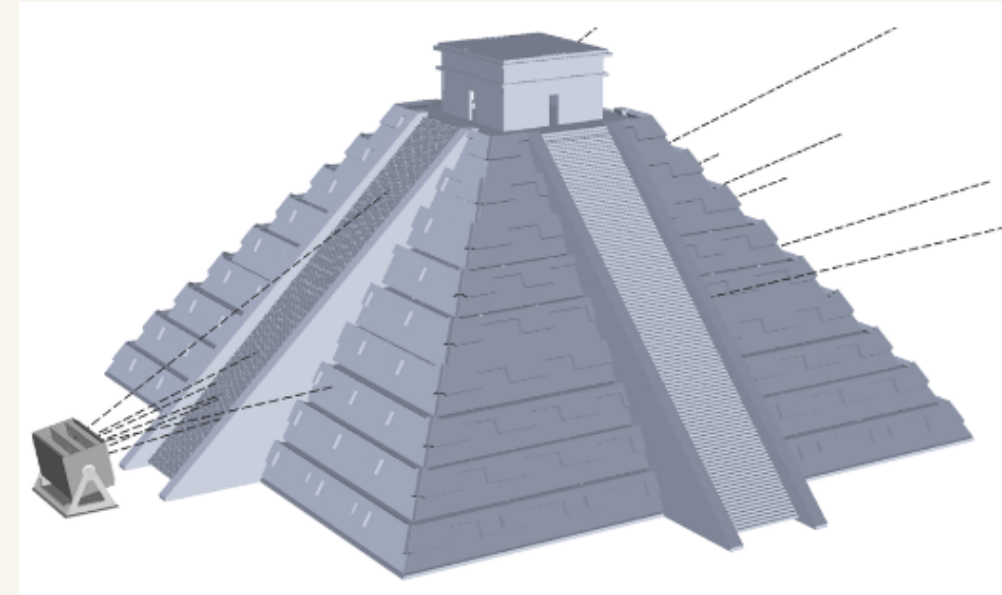
NEUTRON DETECTION

For radioprotection and monitor



MUONIC TOMOGRAPHY

To investigate big structure using cosmic rays



THESIS BEST-SELLERS

Study of the Front End electronics
for muon tomography

BT-MT

Development of cylindrical
detector for neutron detection

BT-MT

Study of the neutron detection
performance at test beam

MT

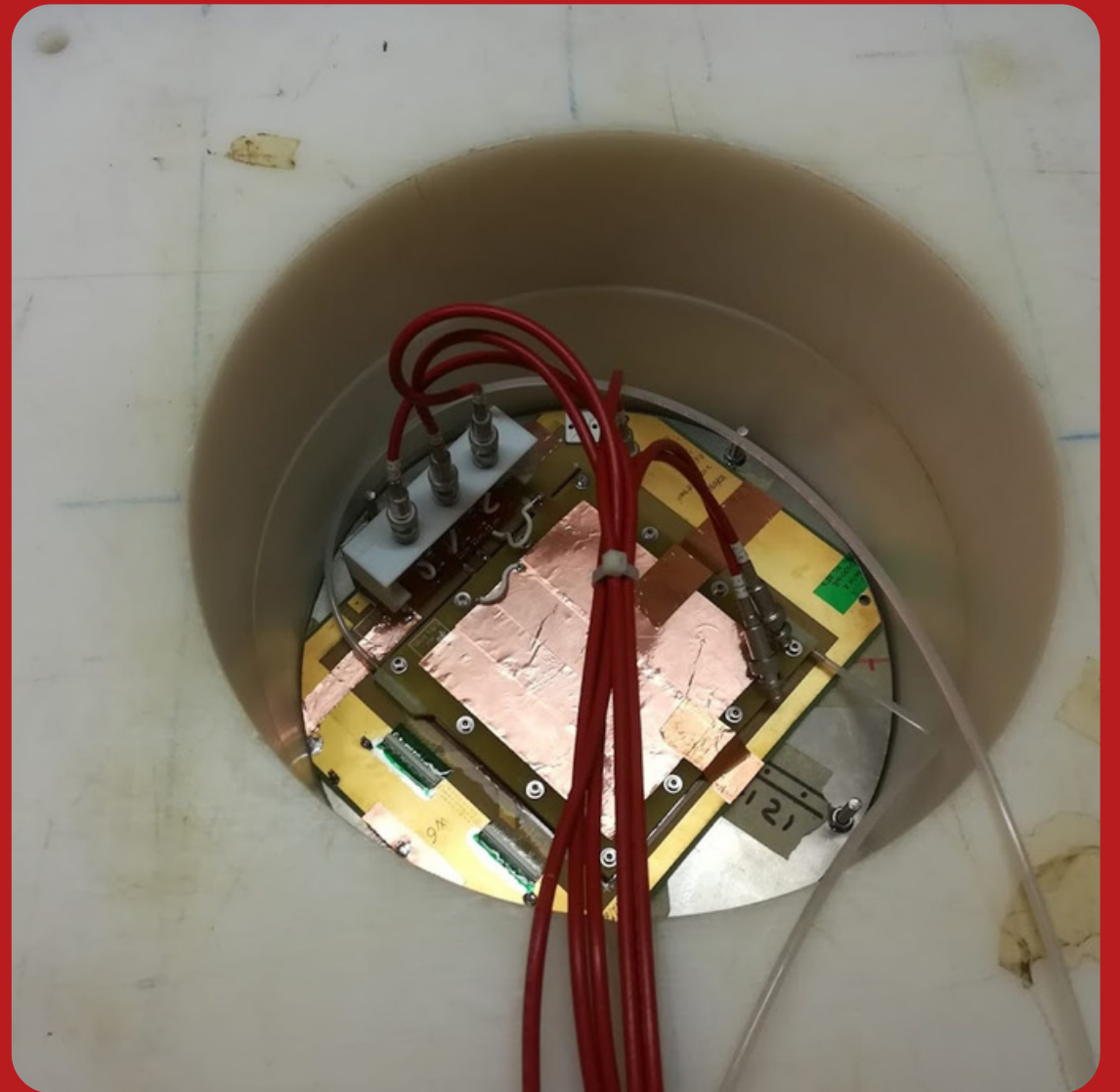
MT = Master's Thesis

BT = Bachelor's Thesis

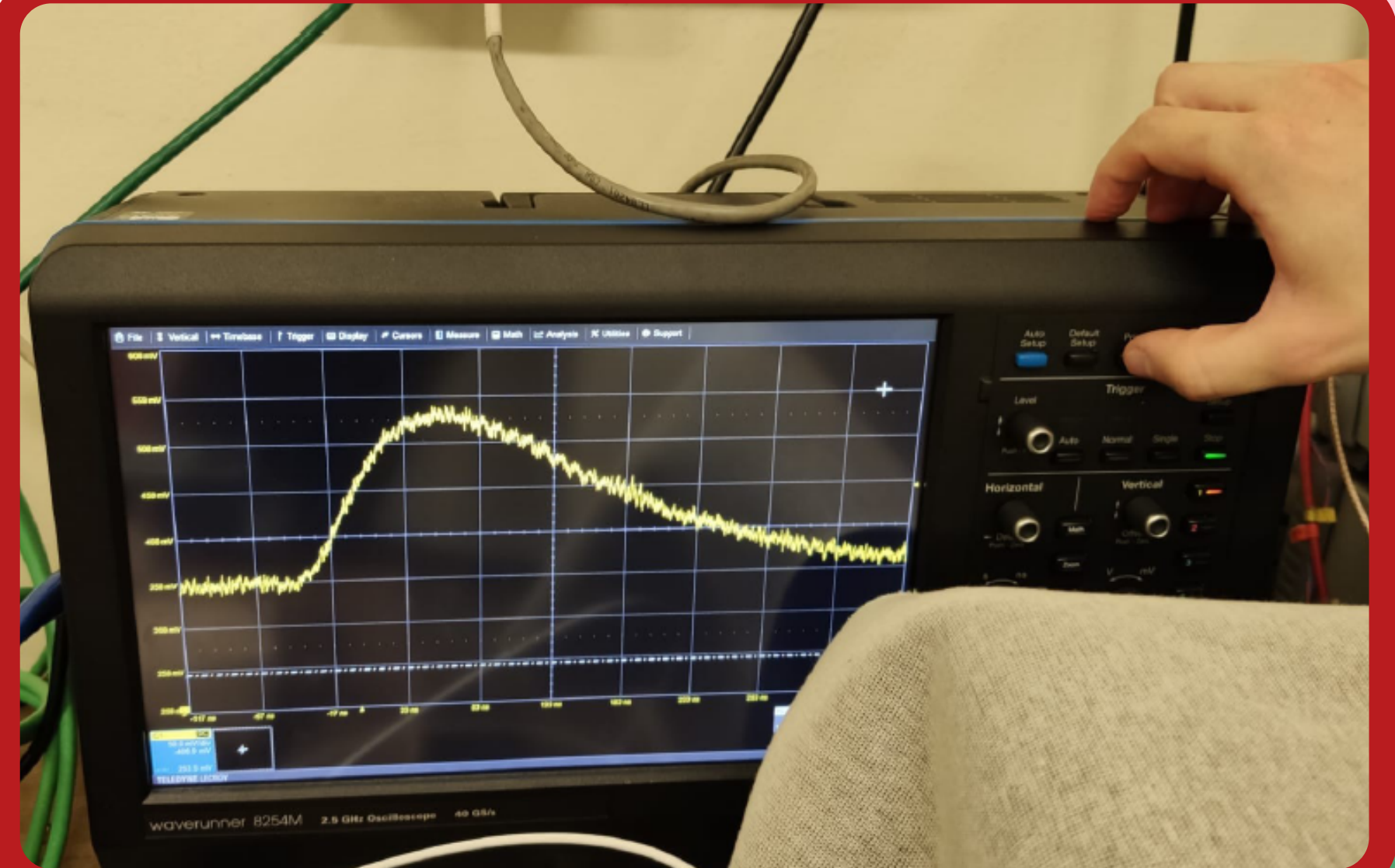


Test beam with neutron source

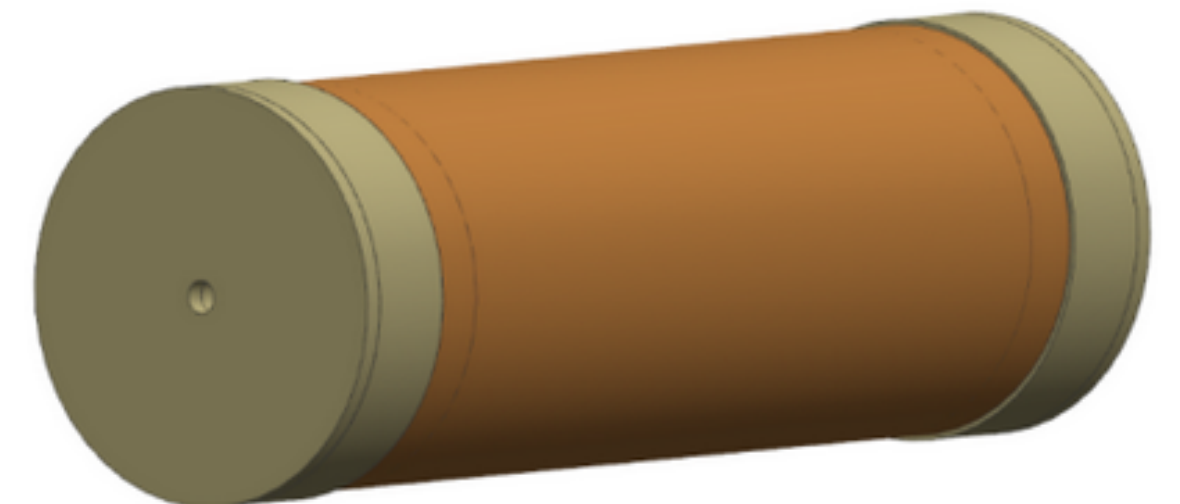
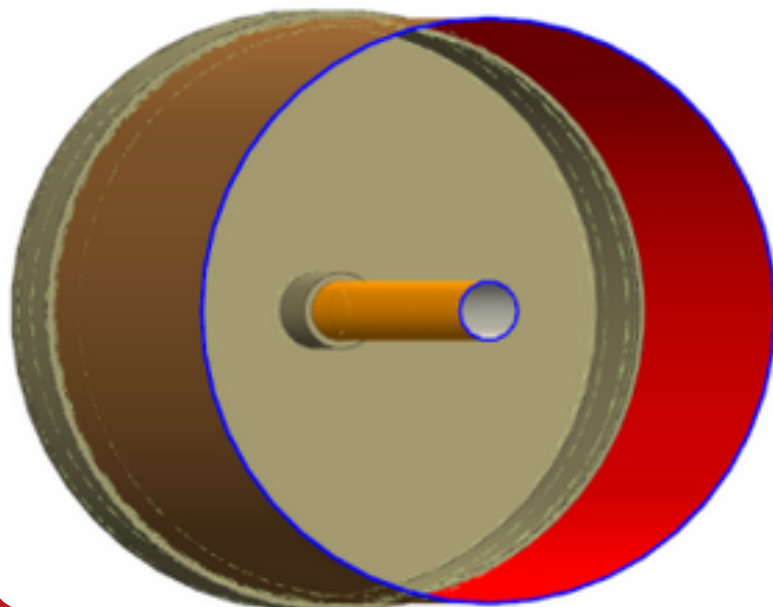
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Electronics for muon tomography



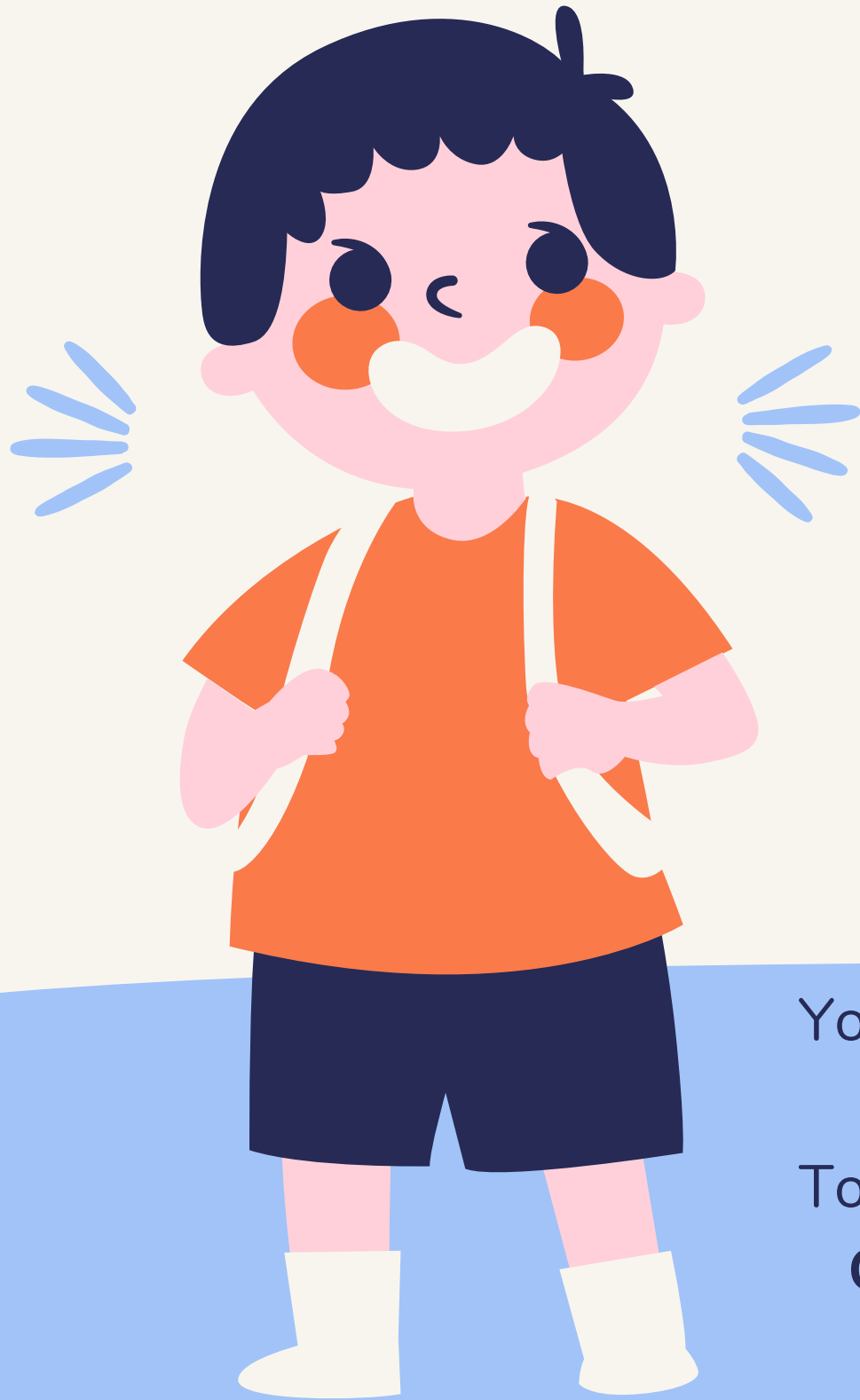
Cylindrical structure for neutron detection





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SEE YOU SOON!

You can find us in Blocco C
room 220, room 228, room 229, room 311

You can find us also on **Facebook** and **Instagram** at **@pifeatwork**



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Grazie