



**30**



**70**



**80**

## **A Photo Album 2004 - 2022**

**Leandro de Paula - 25/10/22**

# Firsts Moves



Getting close to powerful people



# Firsts Moves



Getting close to powerful people



# Firsts Moves



Getting close to powerful people



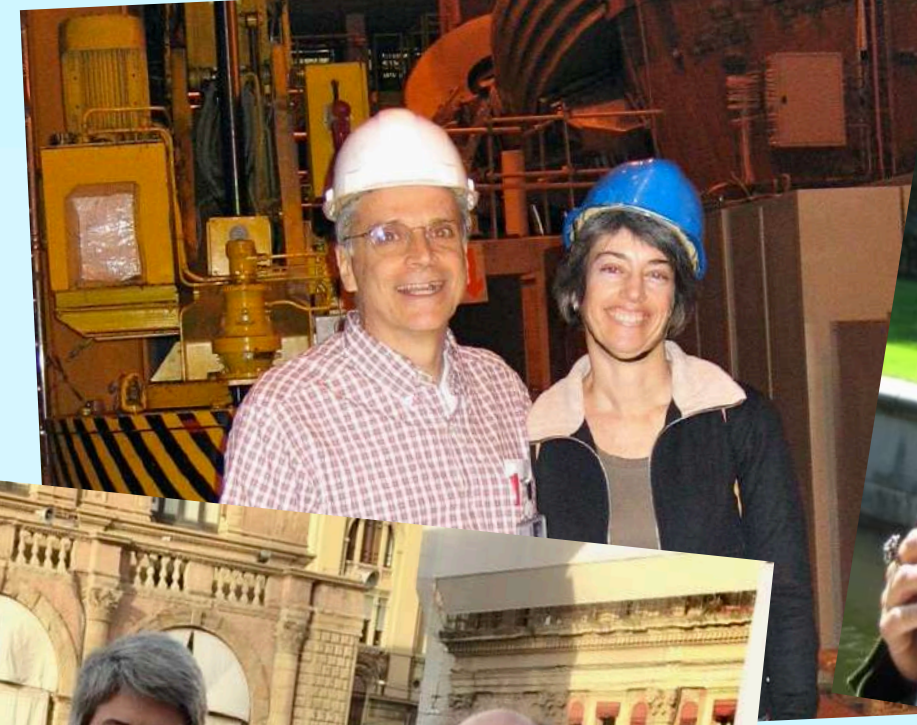
Strengthening collaborations



# Firsts Moves



Getting close to powerful people



Strengthening collaborations

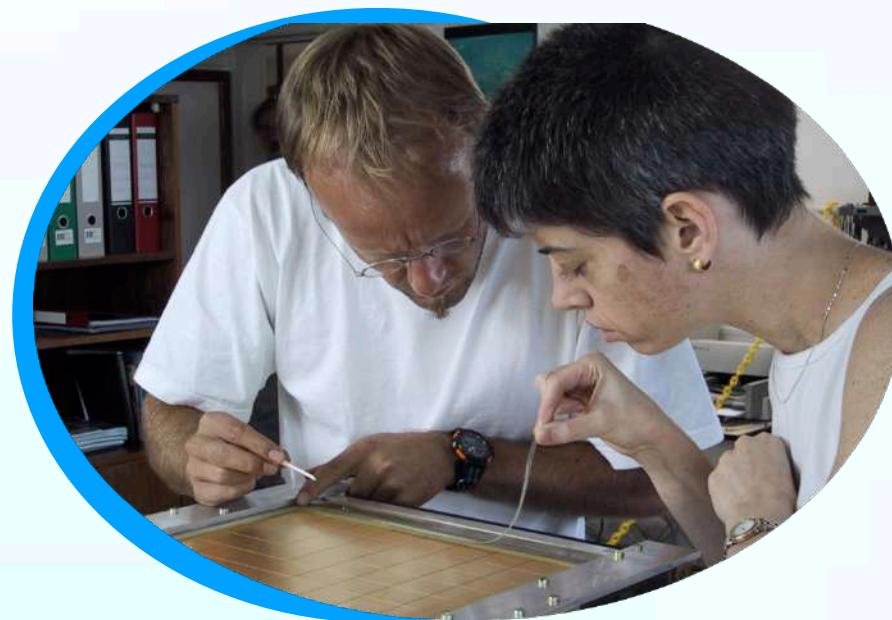


# lape @ 2004

A Muon Group



Muon Chambers



# lape @ 2004

## A Muon Group



Muon Chambers



Muon Trigger



# lape @ 2004

A Muon Group



Muon ID



Muon Trigger



Muon Chambers





# lape @ 2004

## A Muon Group



DaVinci

Muon ID



Muon Chambers

Muon Trigger



# lape @ 2004

## A Muon Group



Muon ID



DaVinci



Muon Trigger



$\sin(2\beta)$



$B_s \rightarrow \mu\mu$



Muon Chambers



Muon Channels



# Particle Physics



# Particle Physics



# New (old) Physics subjects of interest



Searches



$\gamma$  angle



Charm



QCD

Eletrowaek

CEP



$B_c$



3 body B decays

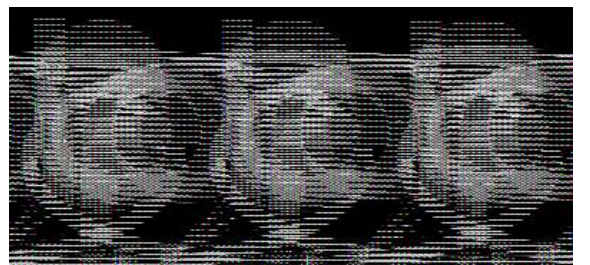


# Working @ the cavern



# Working @ the cavern













# Si Detectors



1992 - 1994



# Si Detectors



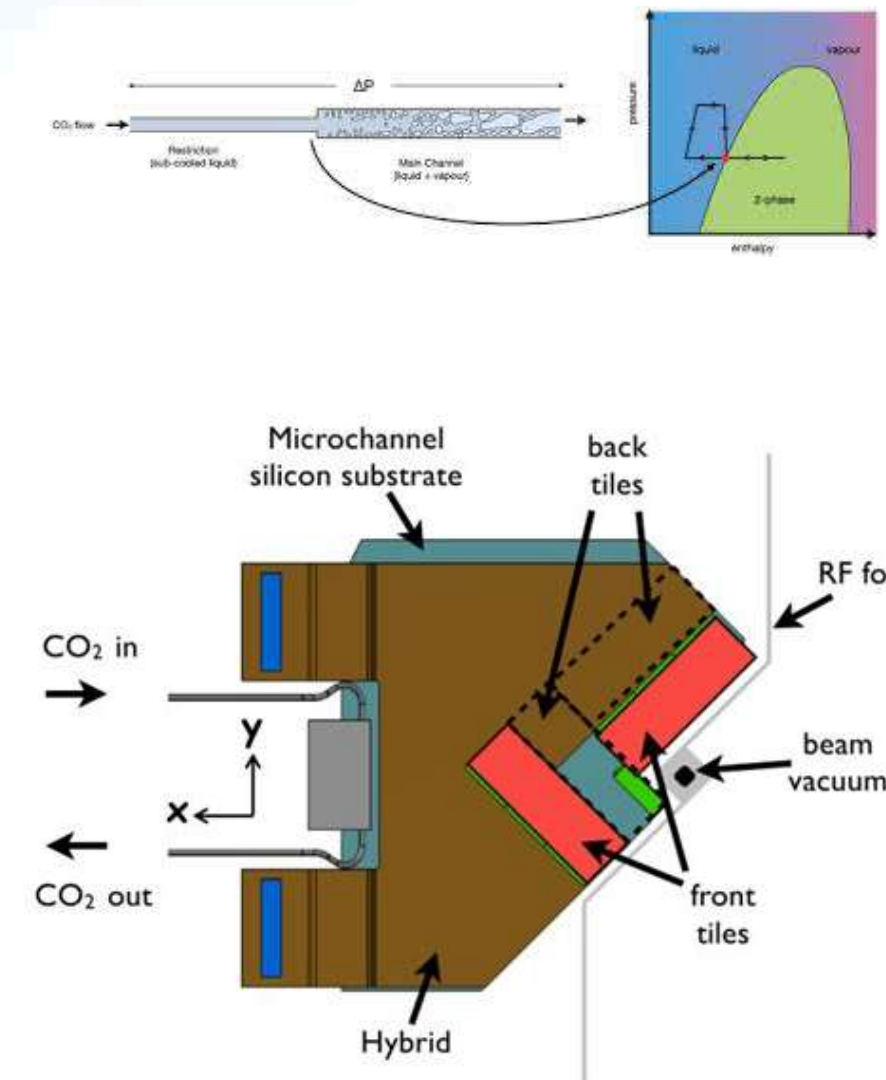
2022



# Si Detectors



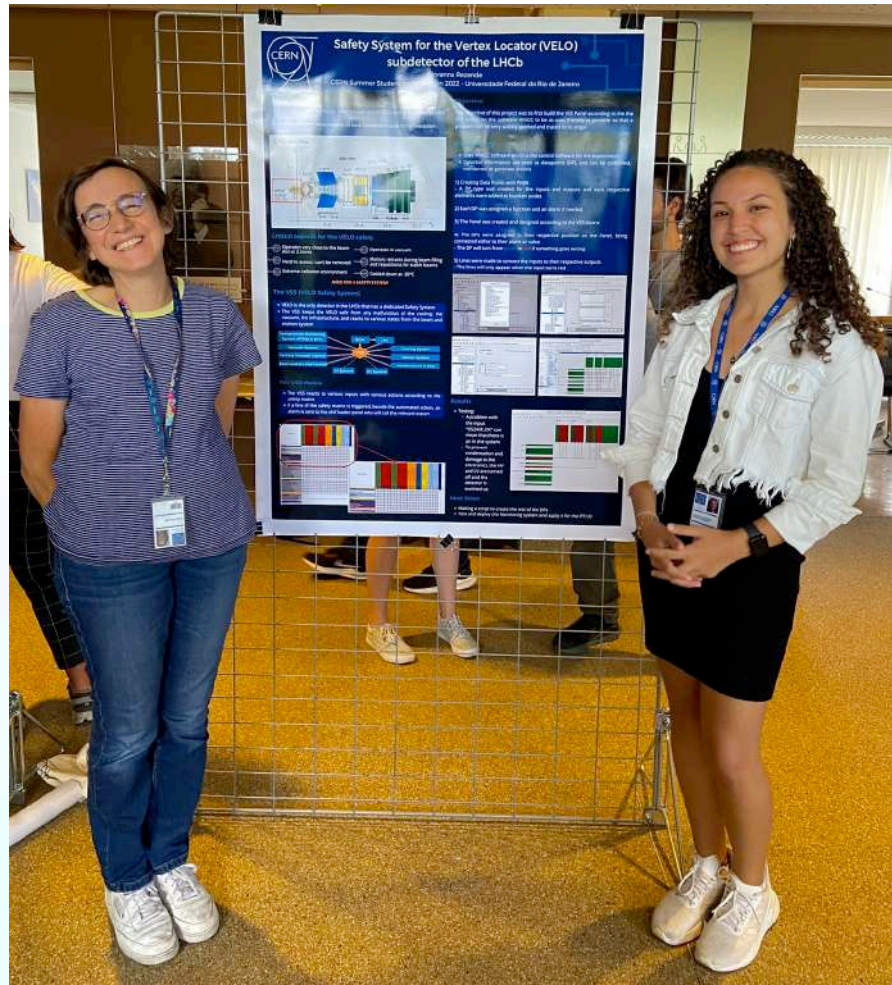
2022



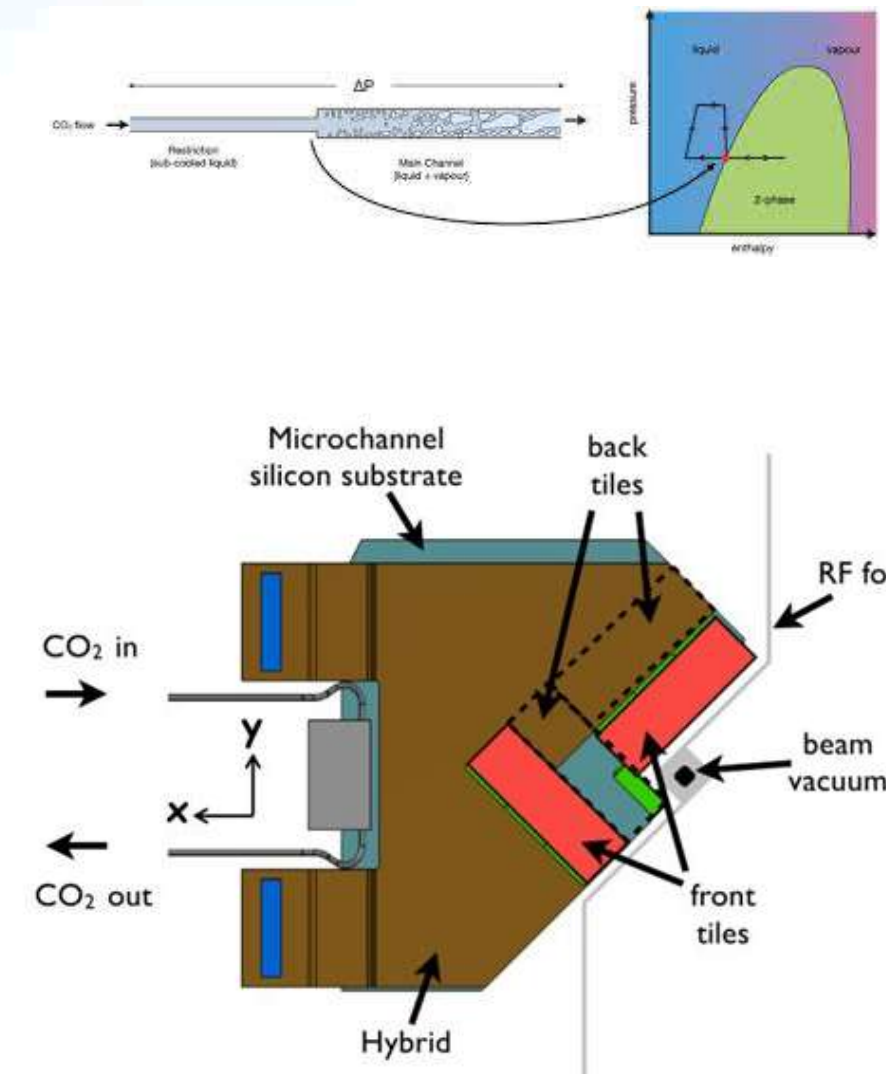
# Si Detectors



2022

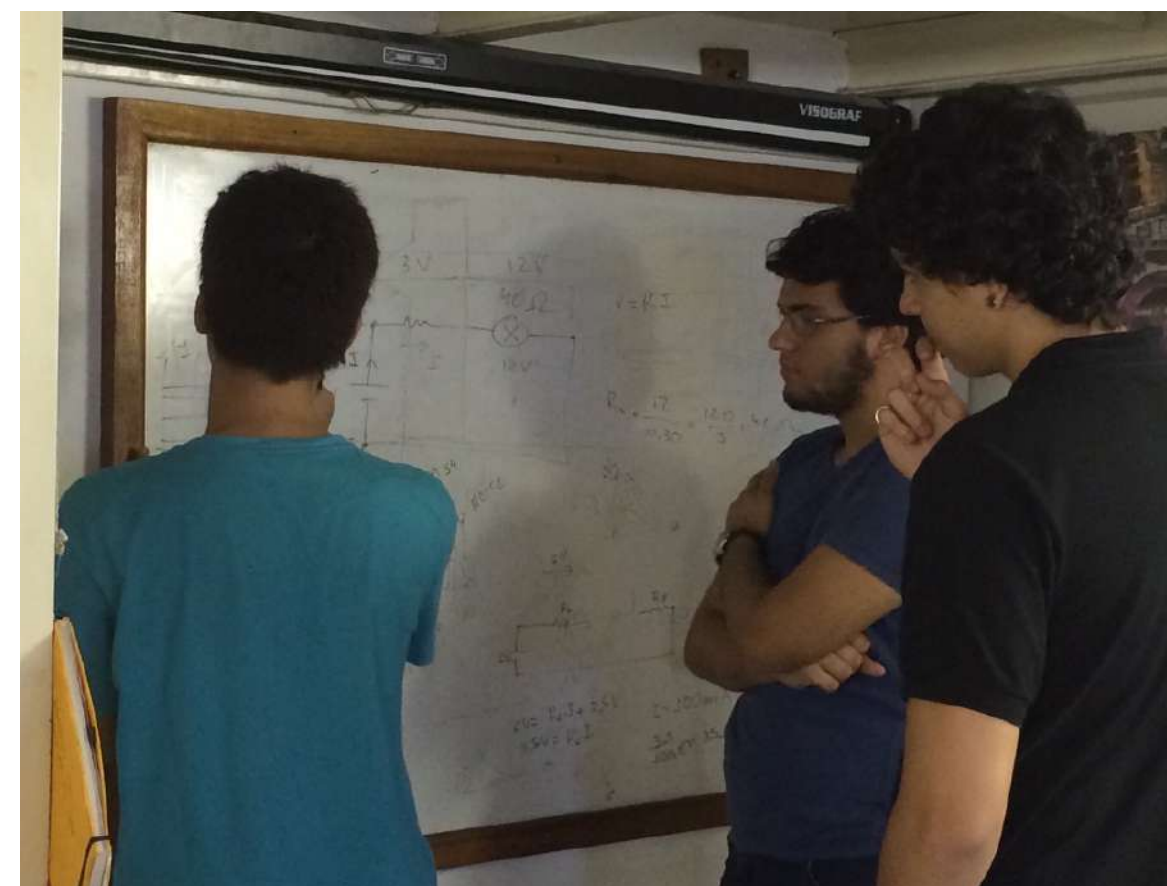
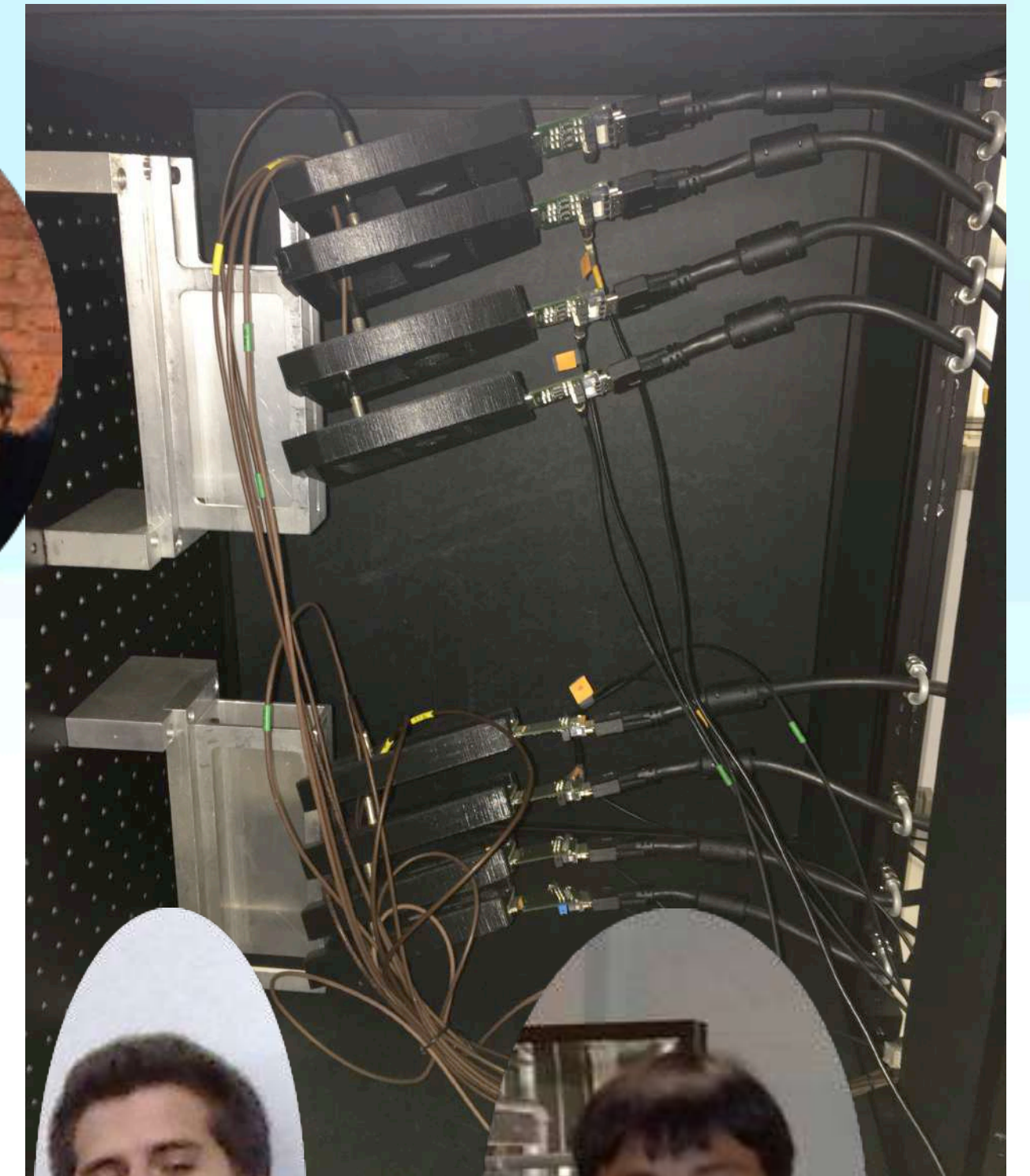


2022



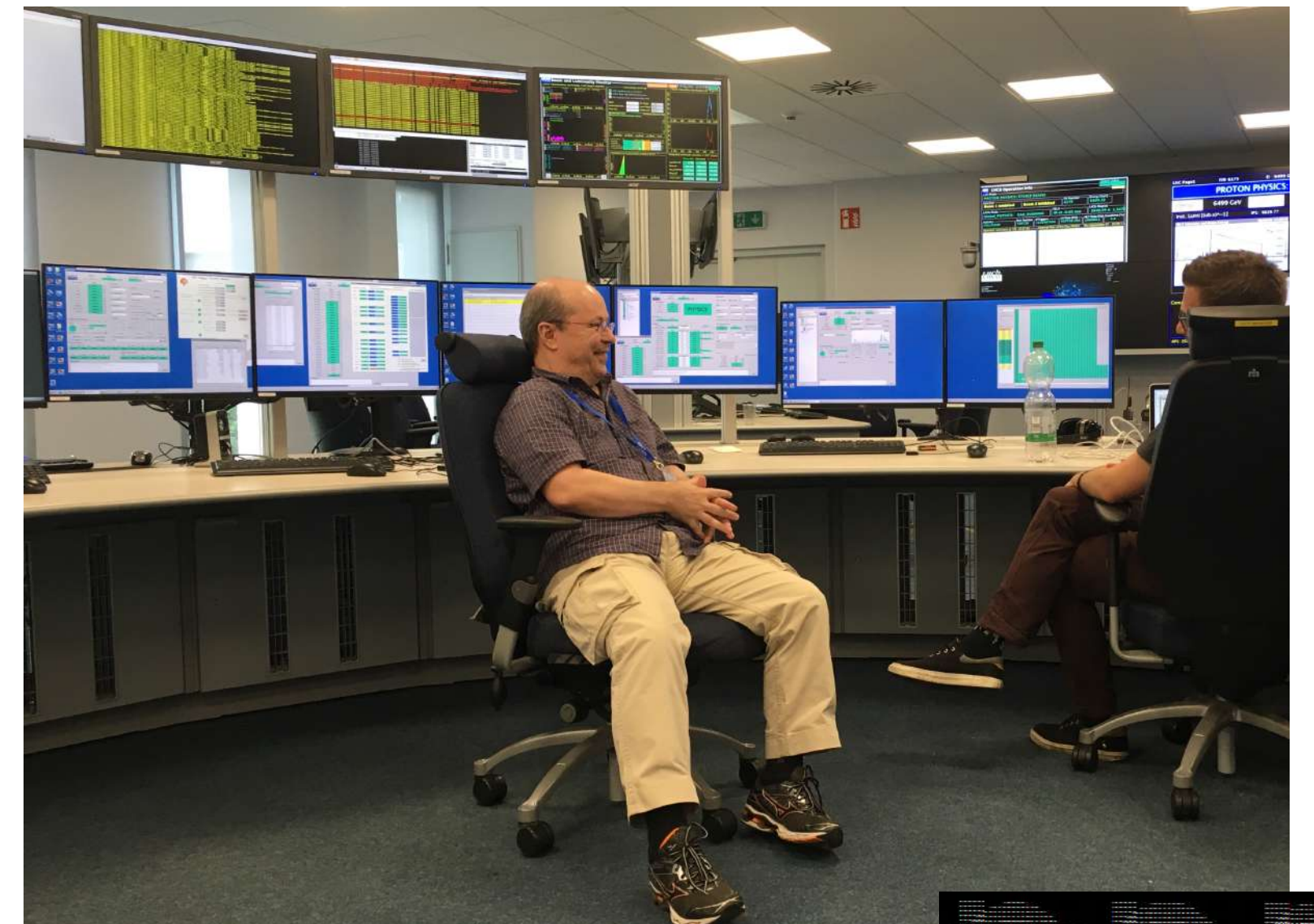
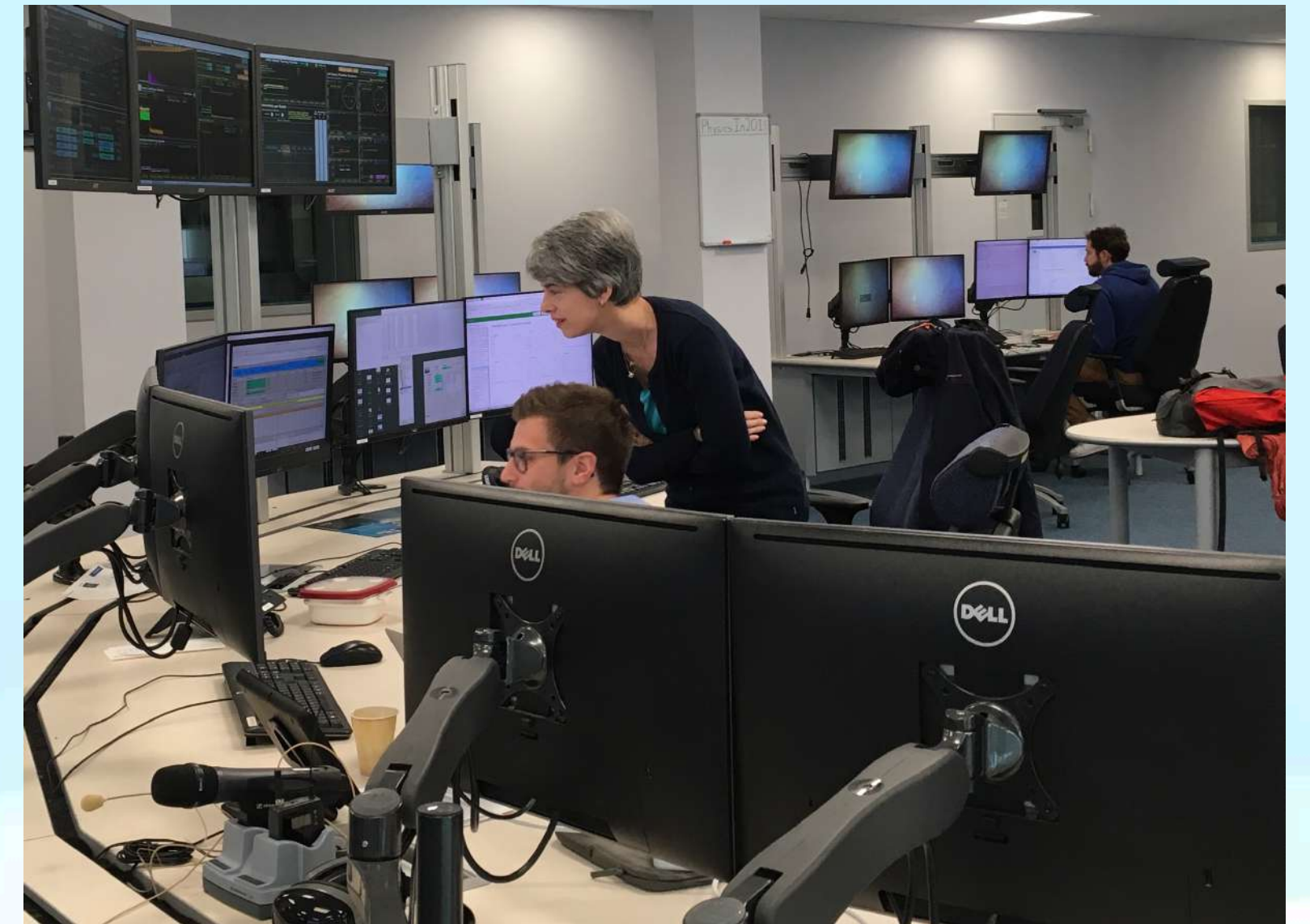
# Activities @ UFRJ

COMBAT

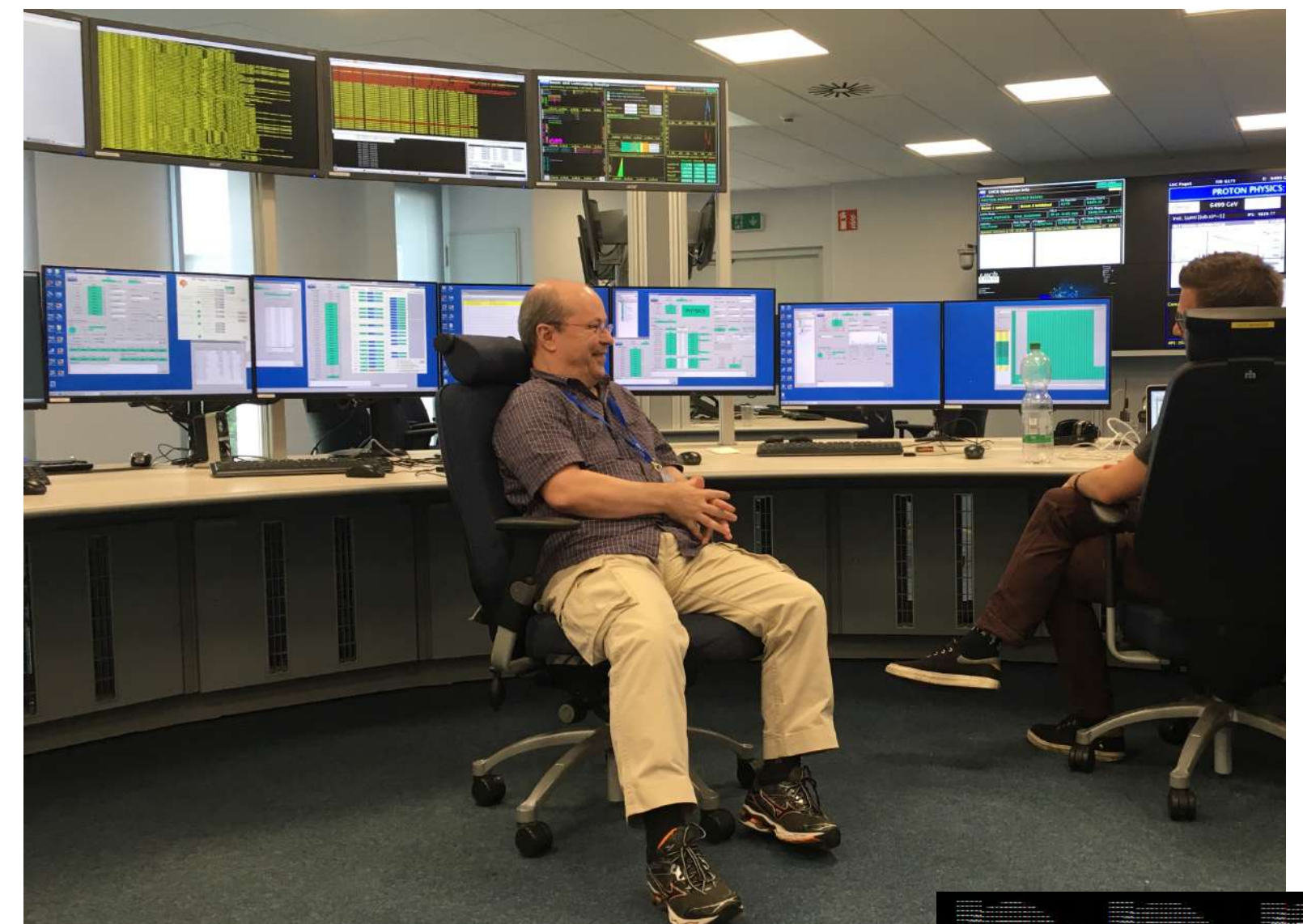
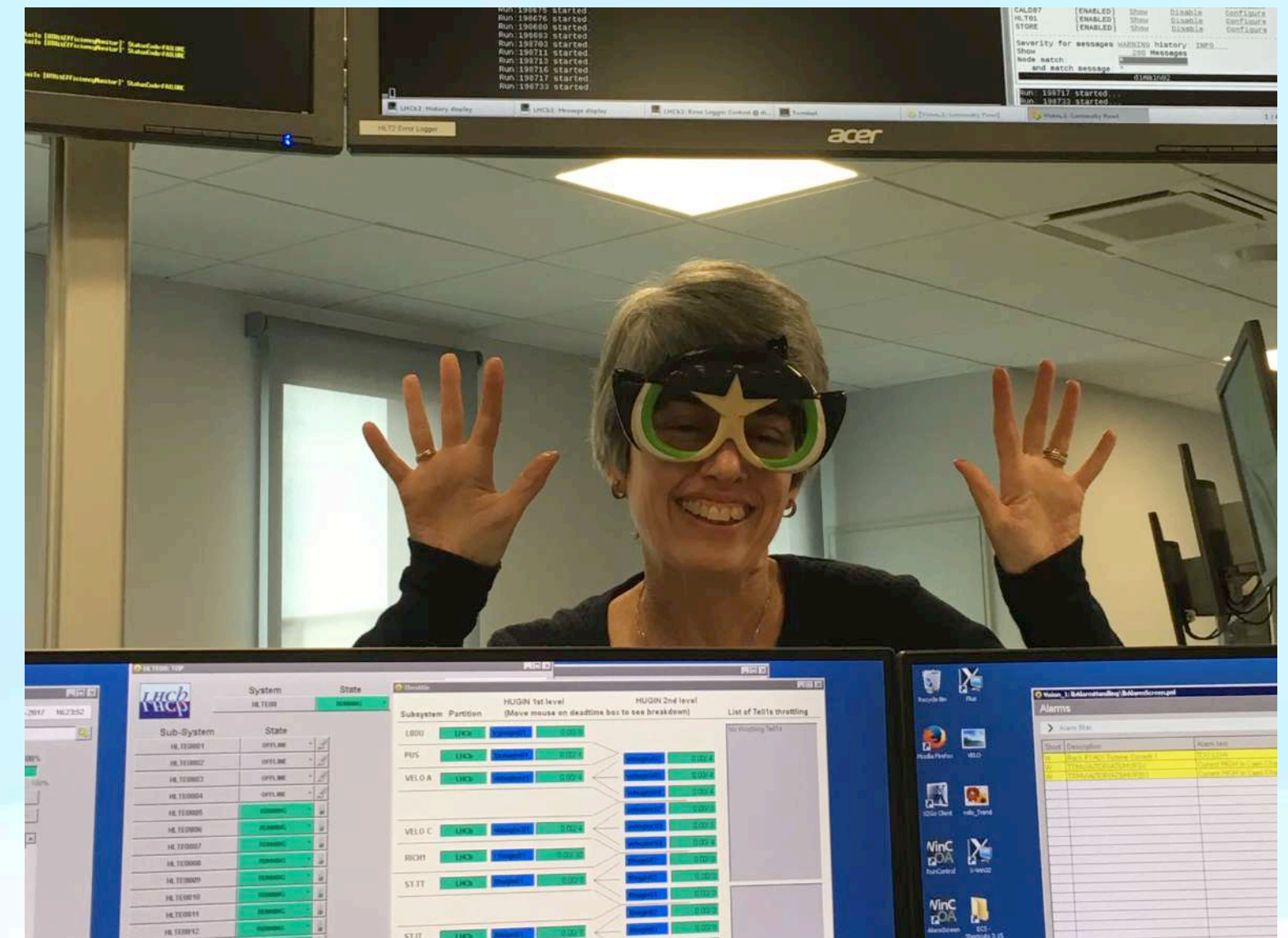




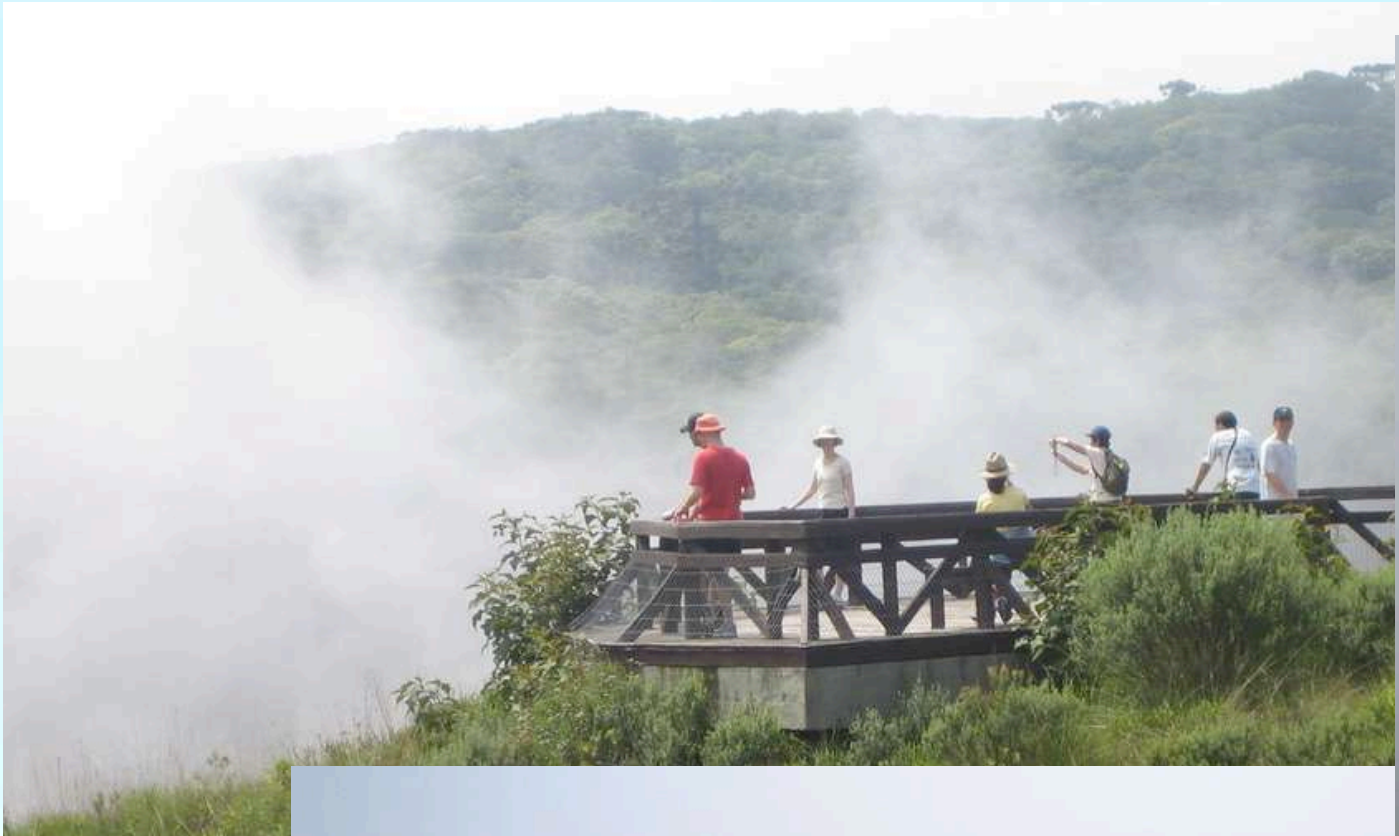
# Activities @ the Control Room



# Activities @ the Control Room



# Working in the Cloud



# Muon ID, Trigger, Stripping Lines, Database ...



# Muon ID, Trigger, Stripping Lines, Database ...

LHCb is not good for jets

Why?



# Muon ID, Trigger, Stripping Lines, Database and **Jets**



2016

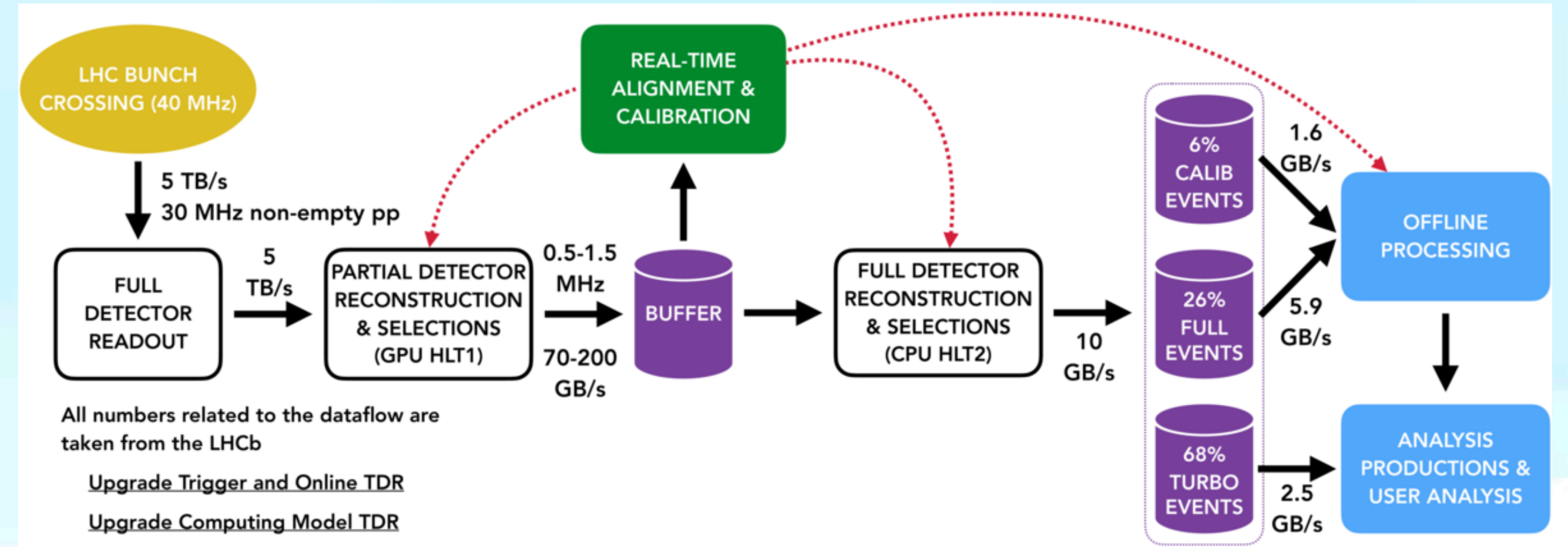


RTA

# Muon ID, Trigger, Stripping Lines, Database and **Jets**



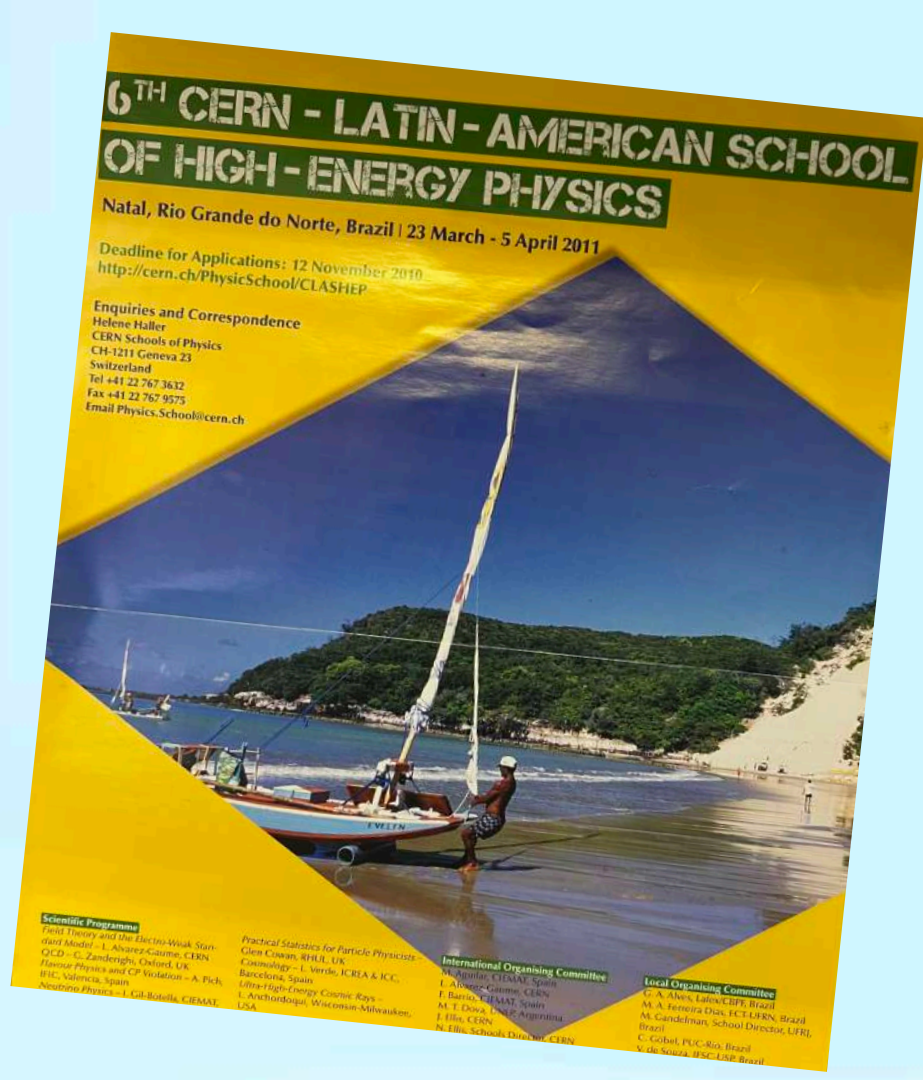
2016



GPU



# Events



LHCb Week - 16-23/09/2001



DELPHI and ATLAS Days



**10th ICFA School On Instrumentation In Elementary Particle Physics**  
 Scientific instrumentation for physics research  
 ICFA 2003 Instrumentation School  
 8 - 20 Dec 2003, Itacuruca, Brazil  
 email: [icfa@cbpf.br](mailto:icfa@cbpf.br)  
 1st ed.  
 Barbosa, A F (ed.) ; Marechal, B (ed.) ; Polycarpo, E (ed.)



**INTERNATIONAL MASTERCLASSES**  
 hands on particle physics





**lape Visibility**



Deputy Physics Coordinator

Deputy Project Leader

Editorial Board Member

Speakers Bureau Member

Working Group Convener

...



Scientific Technical Committee



**CNPq**    
Advidory **CAPES**  
Committees





2010



2013



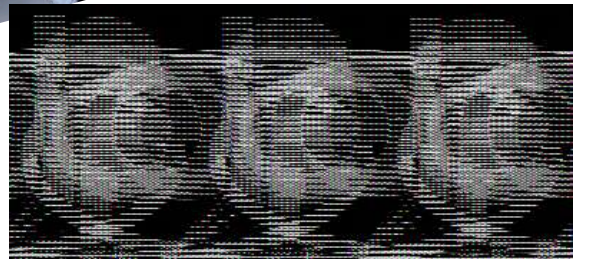
2016

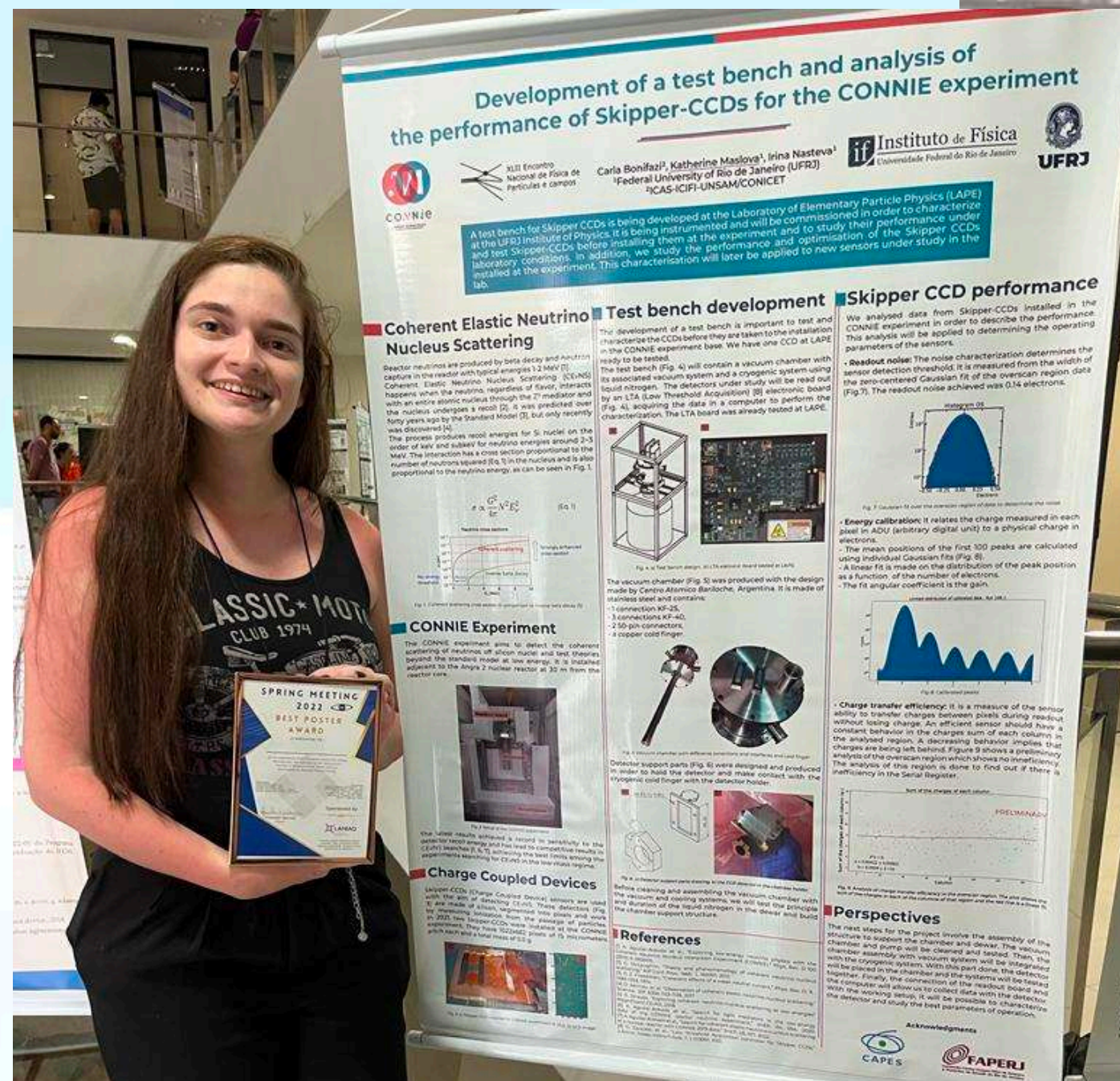


2022



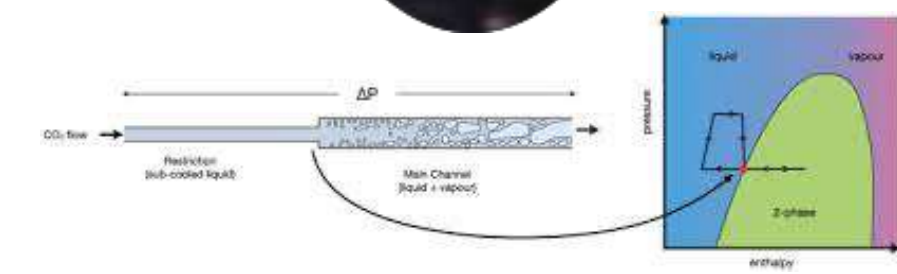
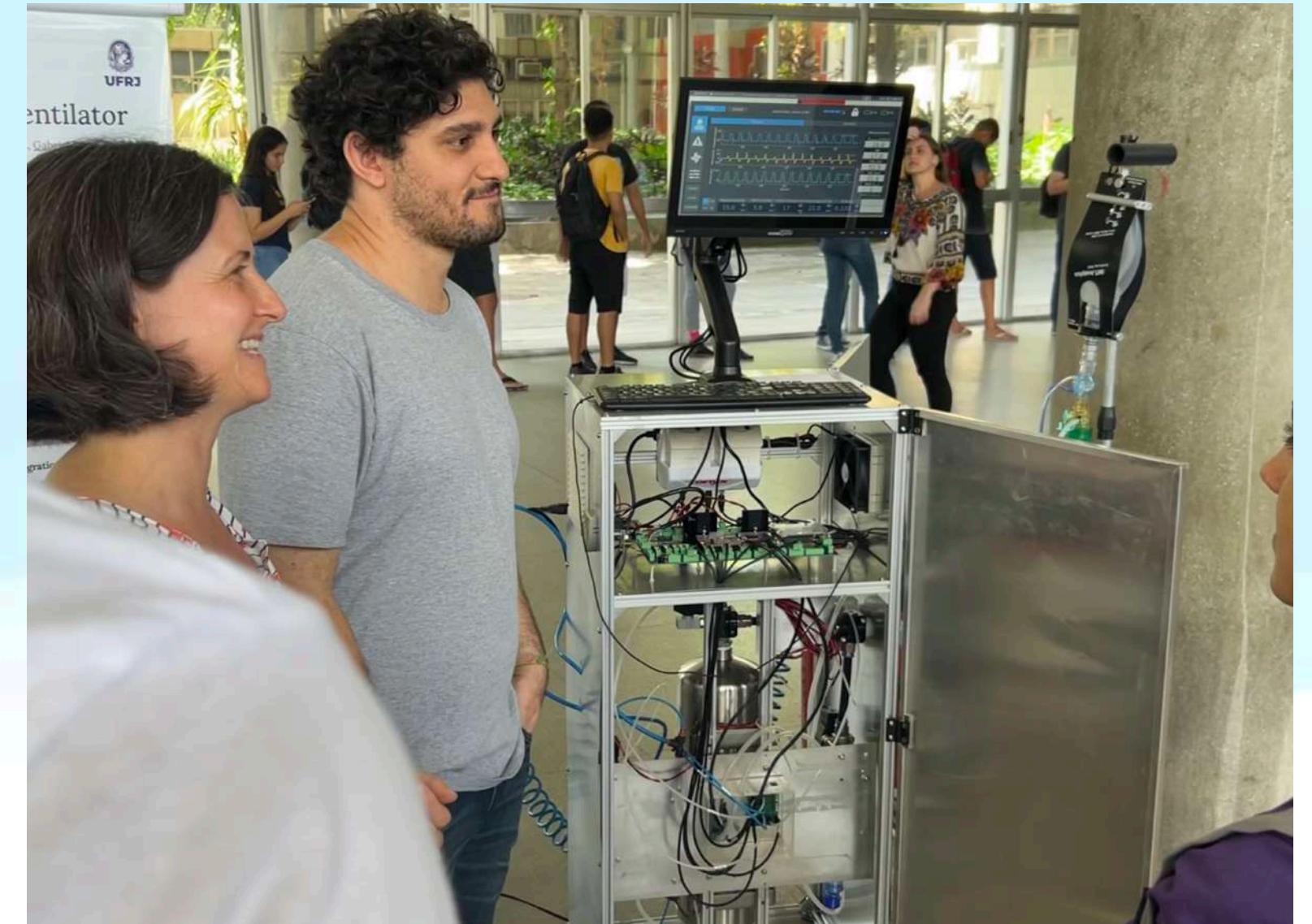
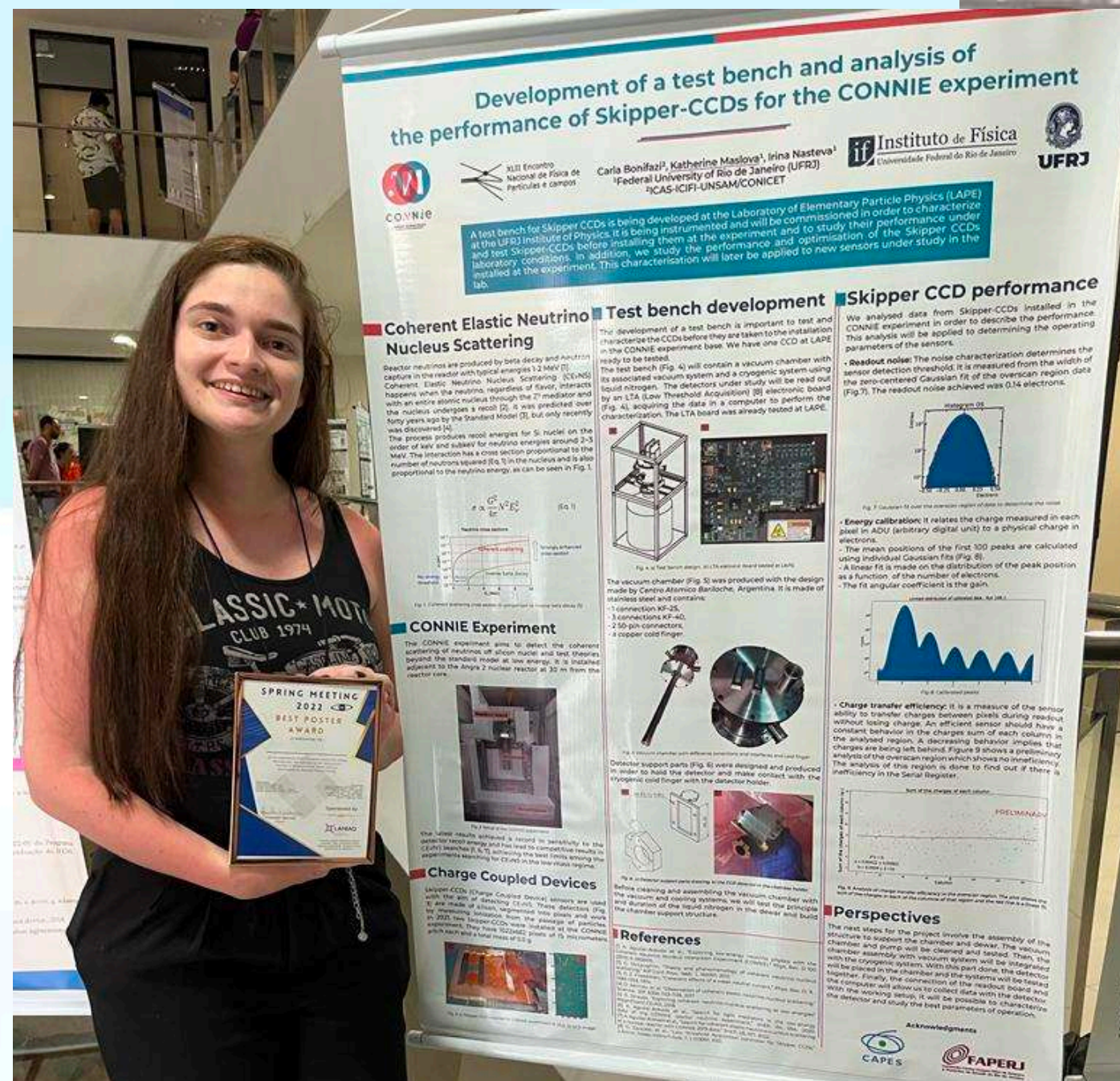
2015





# Is LFA spirit alive?

# High Performance Low Cost Ventilator



Obrigado

