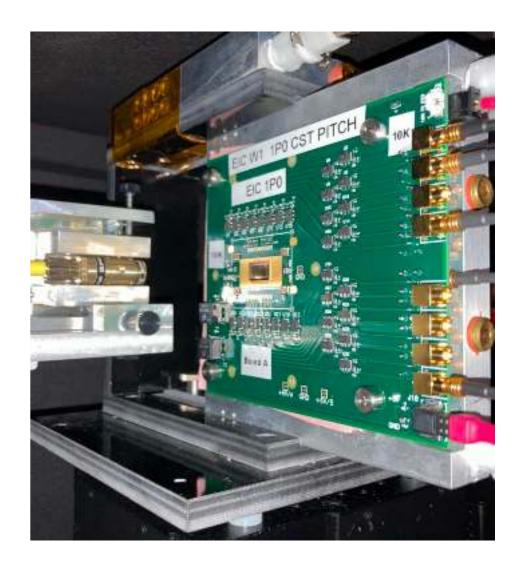


CMS

Join in 2022

- One faculty, several students
- Research projects together with Fermilab
 - 4D tracking using LGAD
 - Data-Analysis
 - Students exchange
- >200.000 USD invested
- Looking to increase the local group, postdoc hiring, and PhD thesis

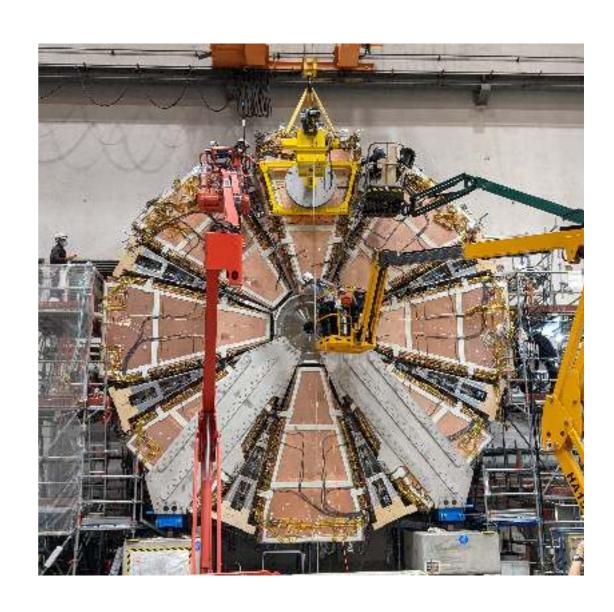




ATLAS

- Join in 2007
- Many faculties; More than 100 students and engineers trained
- Participation in nSW construction, 33 sTGC modules
- Strong involvement in the Higgs, exotics, and heavy-ion group
- Institutional commitment to JetEtMiss for reconstruction software development
- Contribute to GRID Hosting a Tier2 cluster





ATLAS - Today

Main research areas and technical work:



Higgs boson and Dark matter Edson Carquin Students: 1 PhD, 1 Ms, 1 Bs Technical work and service:

- ATLAS DAQ/HLT System Run Coordinator
- ITk Strip Offline Software Contact



Top-Tagger ML development
Raquel Pezoa
Students: 3 MS engeeniers
Technical work and service:

JetEtMiss ML tagging research



Heavy-Ions physics
Sebastian Tapia
Students: 2 PhD, 2 Ms, 1 Bs
Technical work and service:

- JetEtMiss software convener
- HI Jets convener
- HI software coordination
- DP-Prompt Reconstruction Operation Coordination



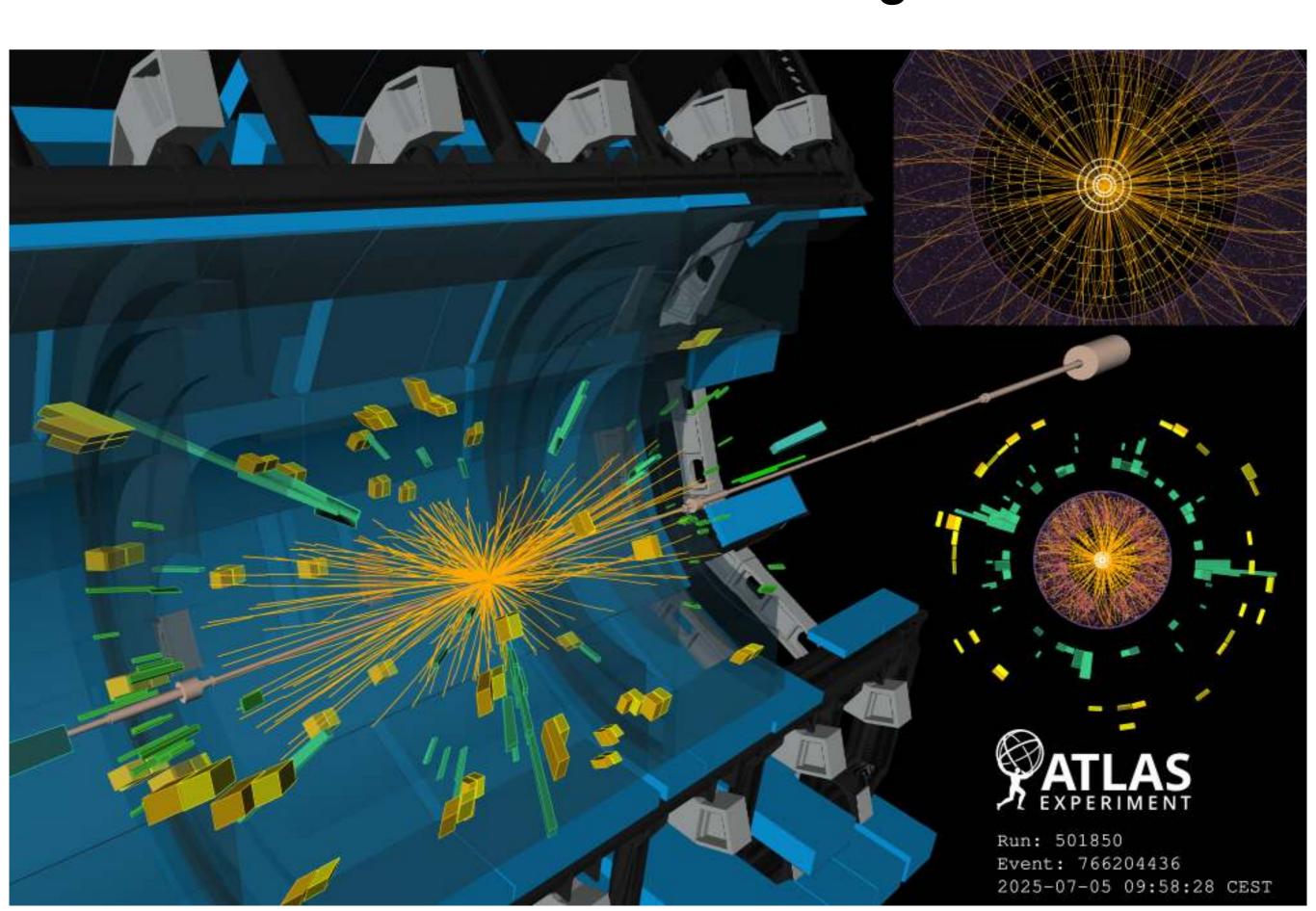
Data Center and GRID

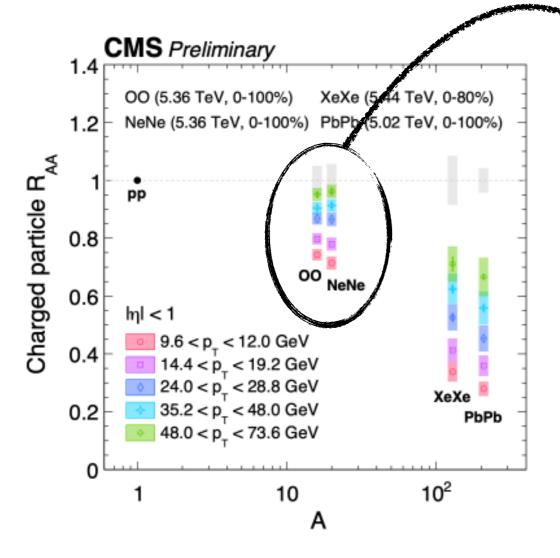
Dennis Juarez

Technical work and service:

Tier2 and GRID maintaince

ATLAS - O+O collisions and incoming Pb+Pb





Can Quark-Gluon-Plasma form in Oxygen collisions?

- O Long Range Correlation
- O Jet Quenching (energy loss)
- O J/ψ disociation (Debye screening)

