

Cracow University of Technology  
Faculty of Mechanical Engineering

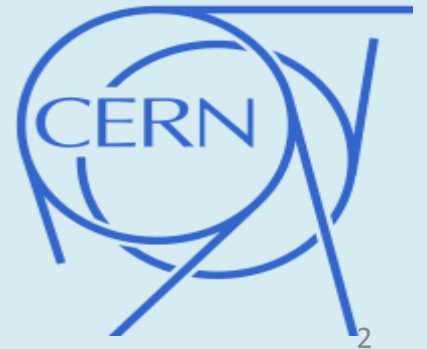
# Internships programmes at CERN

Seminar 18.12.2013

Piotr Dziurdzia

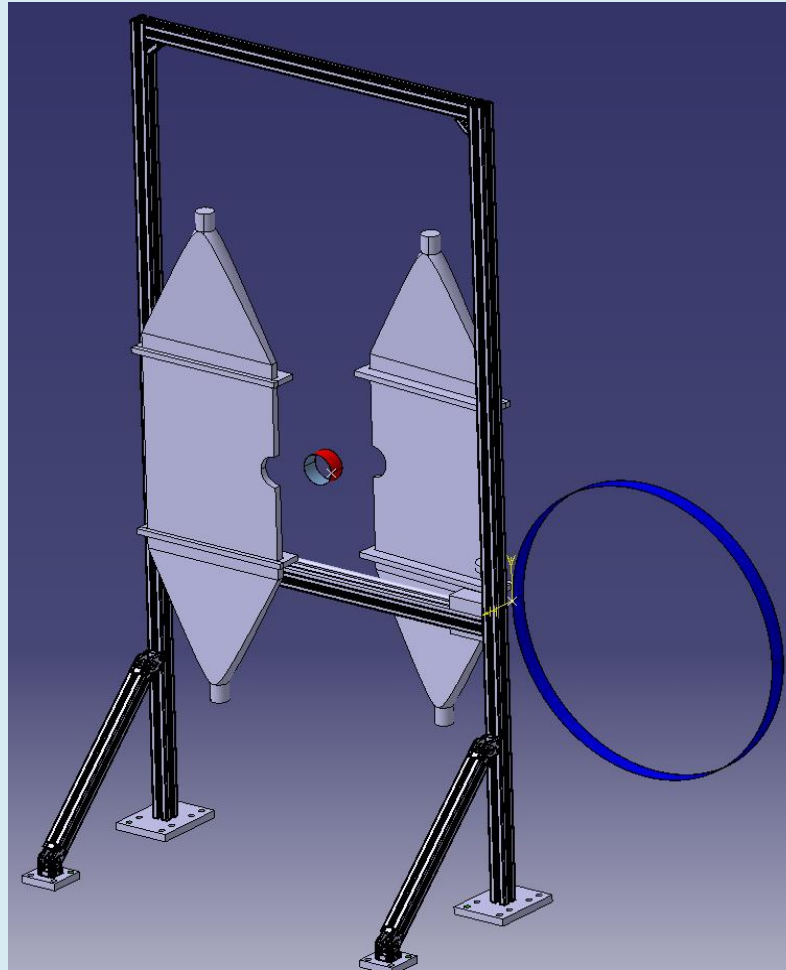
# Overview

- The benefits of having internship at Cern
- Free time after work

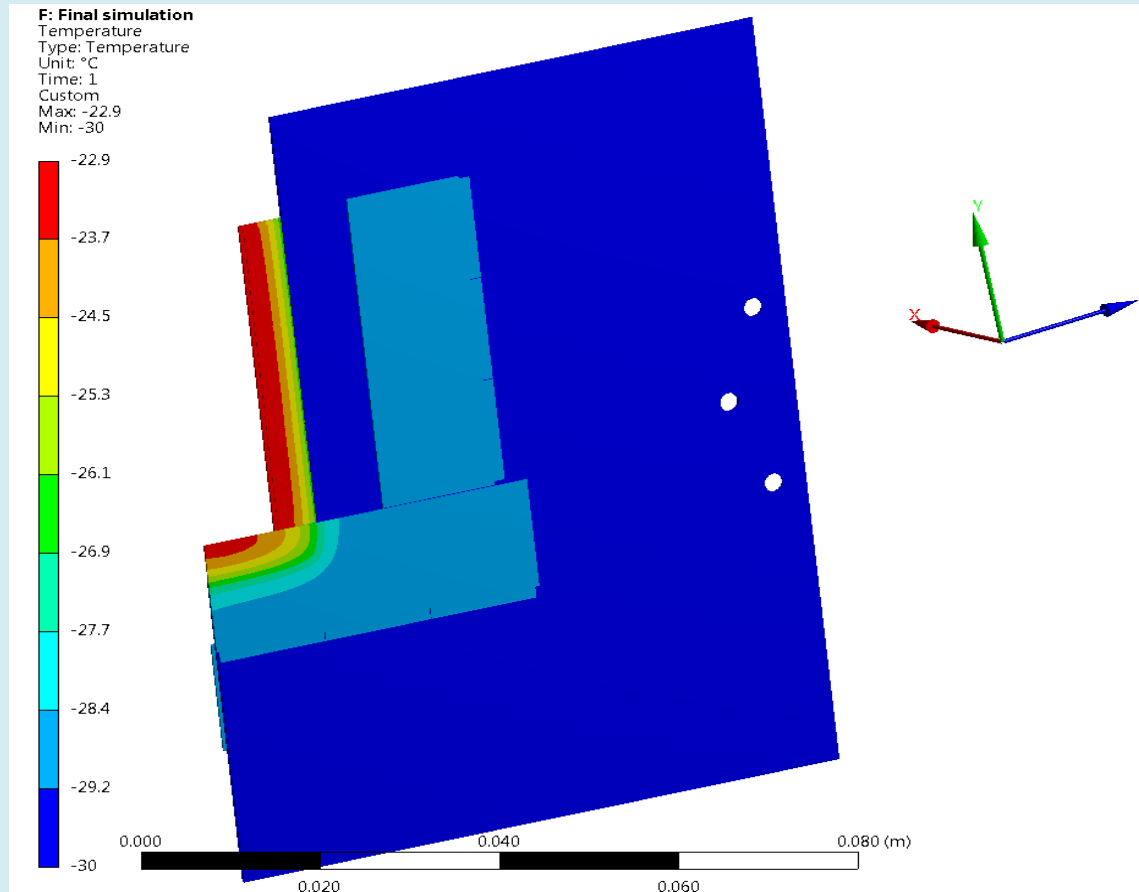


# THE BENEFITS OF HAVING INTERNSHIP AT CERN

# Improving skills at design in CATIA



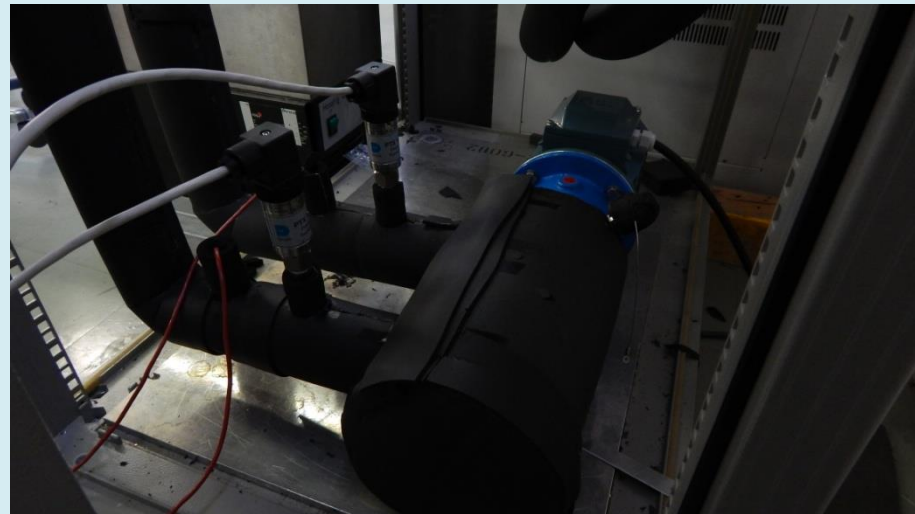
# Improving skills at simulations in ANSYS Workbench



# Making interesting cooling projects



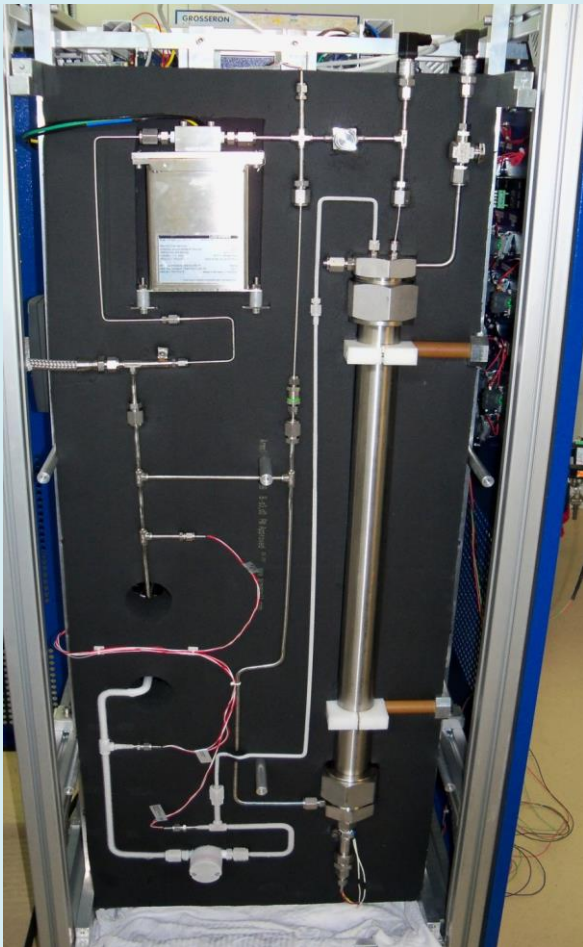
Pump stand



# Getting knowledge in advance cooling systems

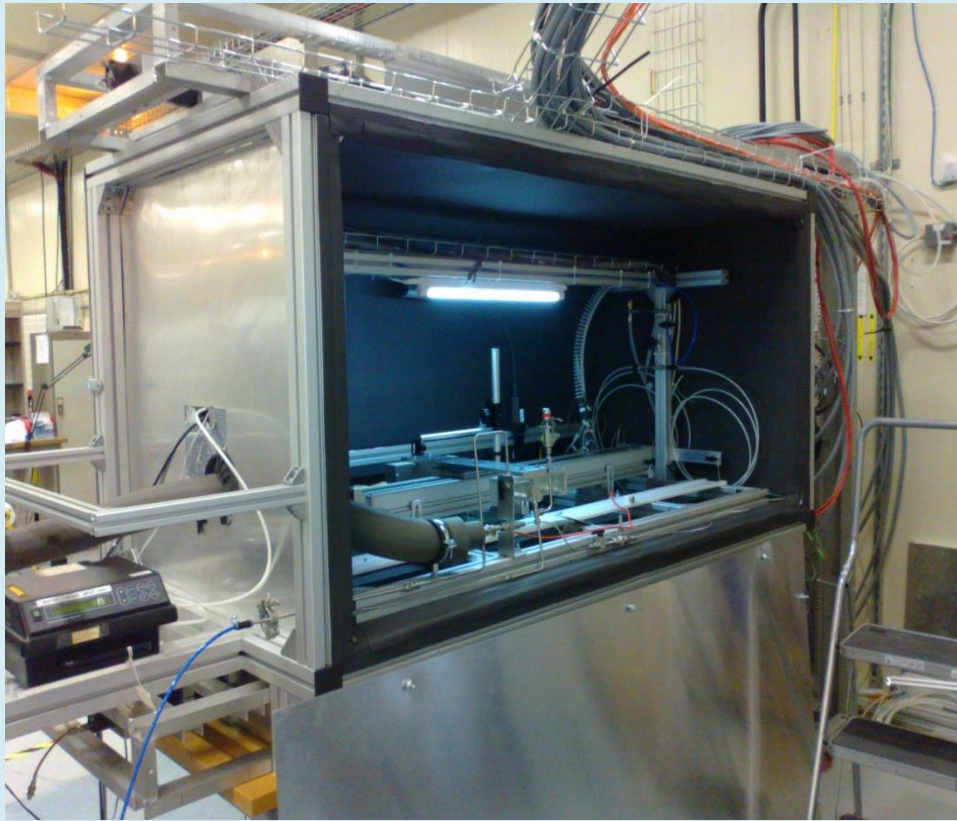
- TRACI

(**T**ransportable **R**efrigeration **A**pparatus for **C**O<sub>2</sub> **I**nvestigation)





- IBL cooling test stand



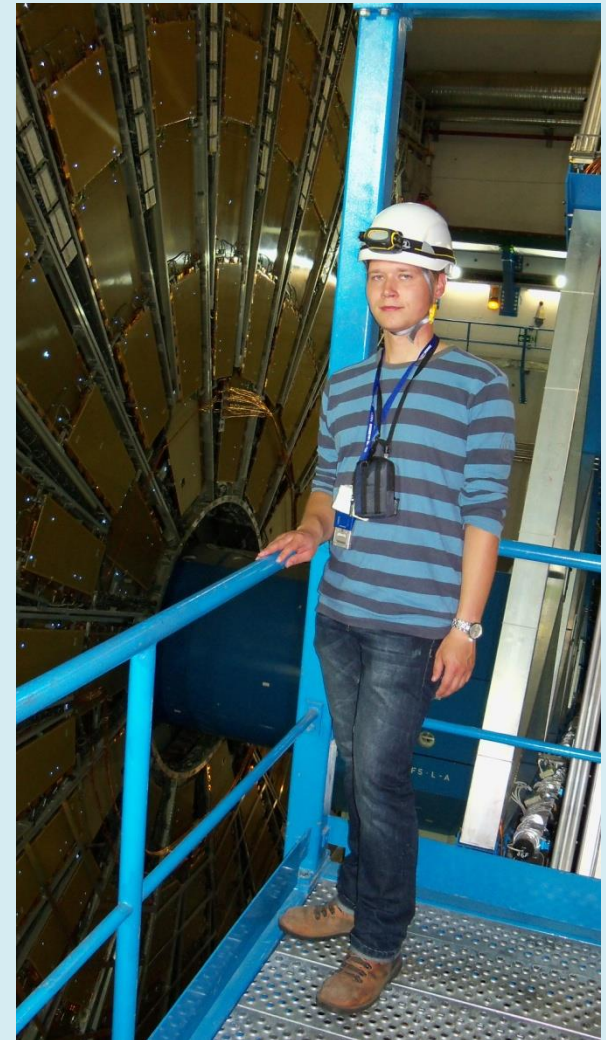
- MARCO  
M  
A  
R  
C  
O  
Multipurpose  
Apparatus for  
Research in CO<sub>2</sub>





# Visiting:

## ATLAS detector



- LHC Tunnel





- VELO detector -LHCb experiment



- 
- A row of international flags on tall poles against a blue sky. The flags are arranged in a line, with the German flag being the most prominent on the right. The background is a clear blue sky with some light clouds.
- Working with great people
  - Improving foreign languages
  - Meeting new people from other countries
  - Gaining experience
  - Getting to know tradition and culture of Switzerland and France

# Free time after work



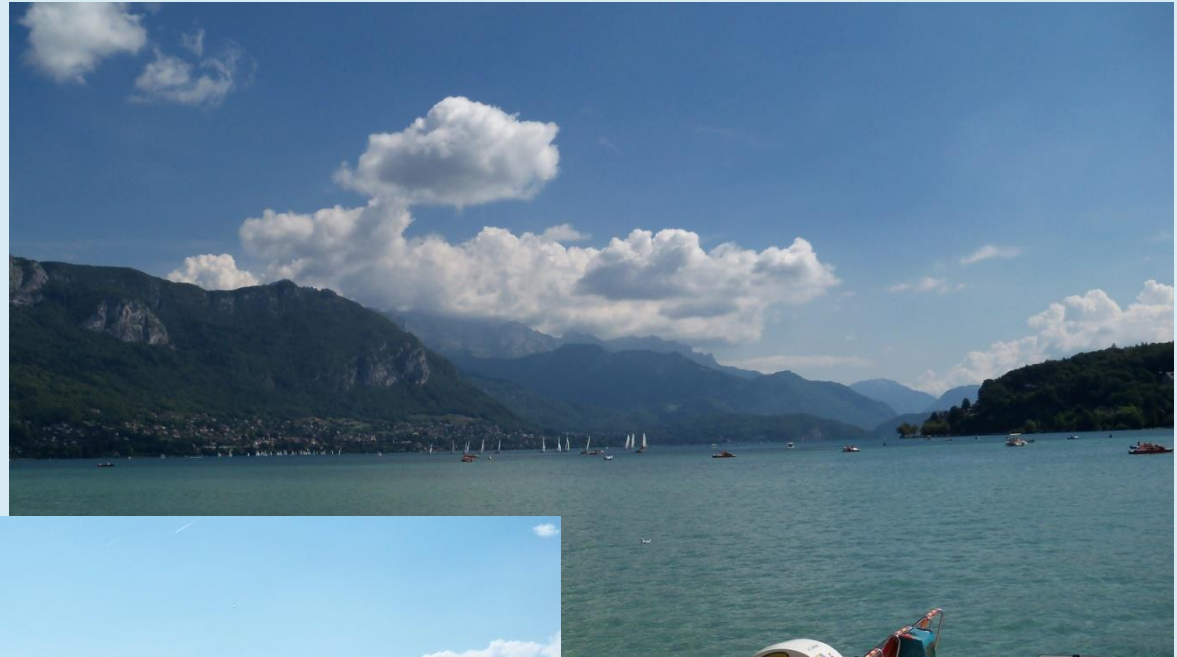


# Hiking





# Sightseeing





- Genewa Motor Show



- F1 Monza, Italy

# Many gratefulness for

- Prof. dr hab. inż. Piotr Cyklis
- Prof. dr hab. inż. Wojciech Zalewski
- Dr inż. Bogusław Górski
- Dr inż. Ryszard Kantor
- Dr inż. Jan Godlewski
- Mgr. inż. Łukasz Zwaliński
- Mgr. inż. Maciej Ostręga

and other people which I had/have pleasure to work

# Thank You for Your attention

