

# Beamline for Schools

*A physics competition for high-school students*

Powered by CERN, DESY and ELSA!



Teacher & Student Forum  
19th meeting  
September 23th 2025



# What is BL4S?

Perform your own experiment at a real particle accelerator!

*You can be a scientist*

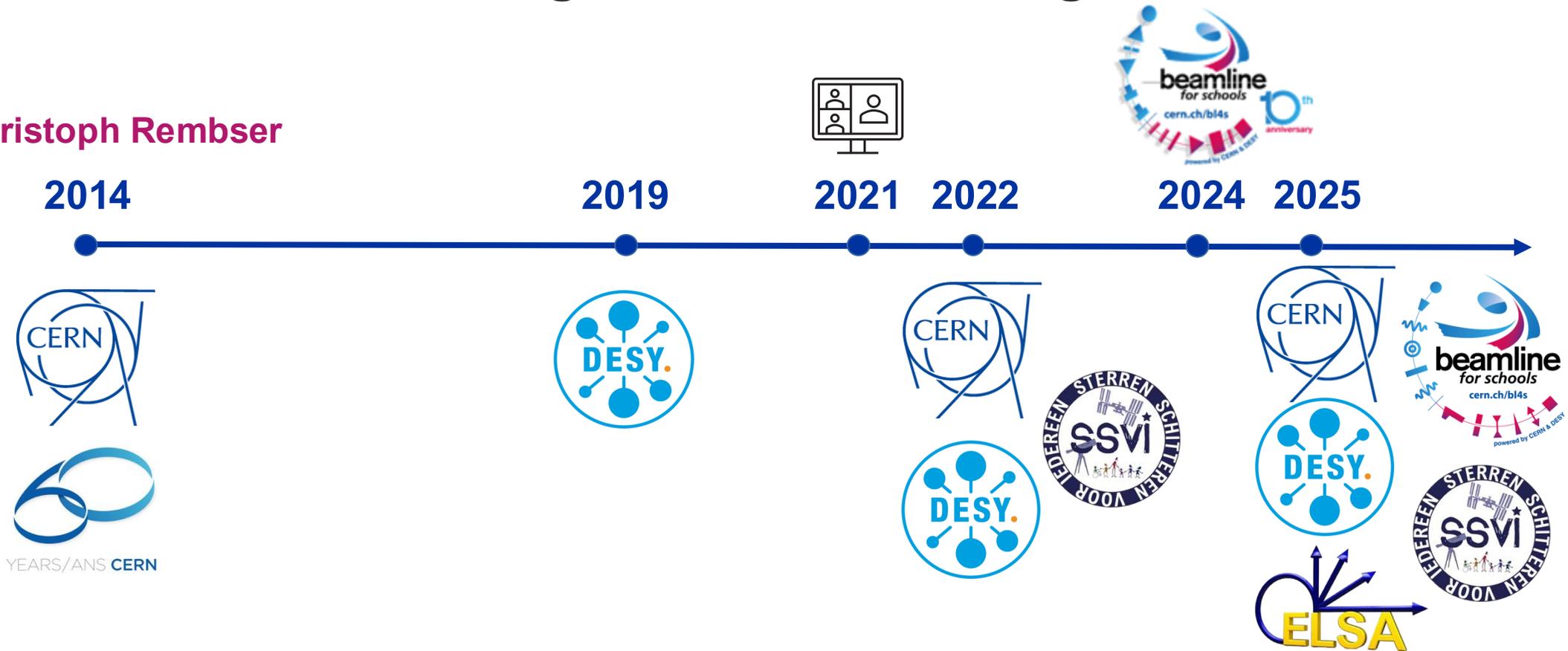
Teams of high school students from all around the world can propose an experiment that they want to perform at a particle accelerator.



# Milestones

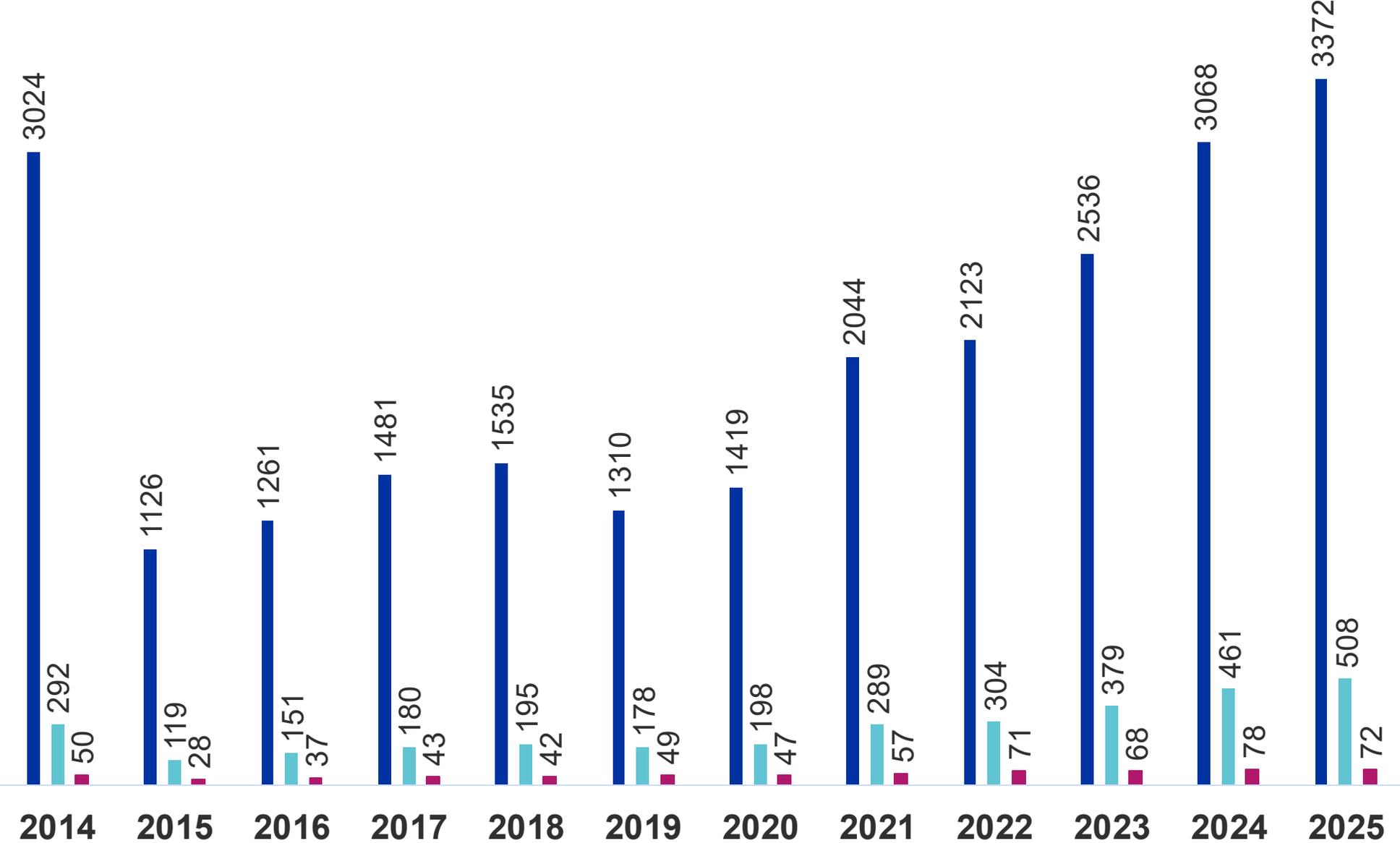
New facilities, increasing number of winning teams,...

Christoph Rembser

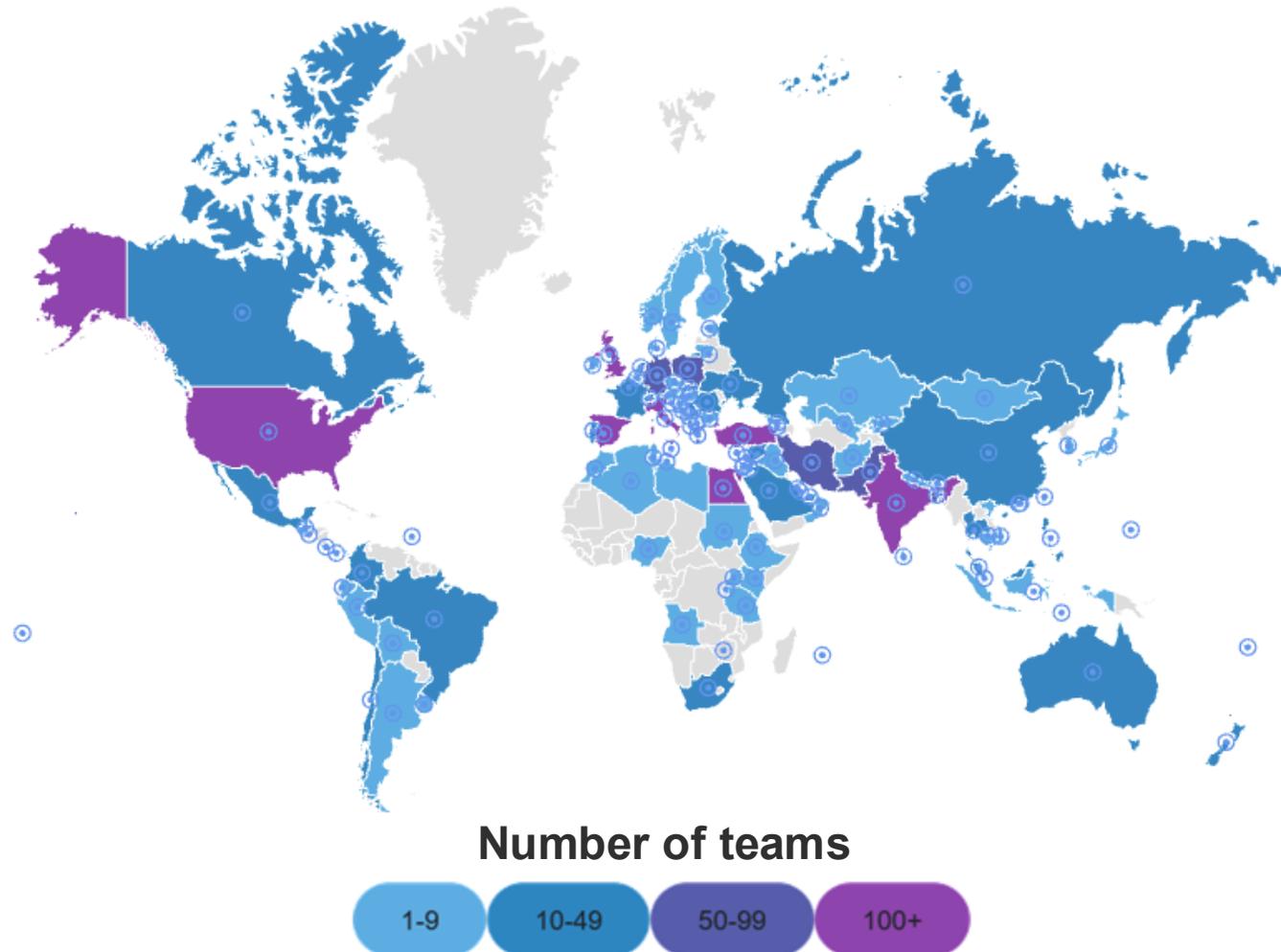


# Impact

- Students
- Proposals
- Countries



# Countries participating in BL4S since 2014



## Winning teams

### America:

Canada (x2), Mexico (x2), USA (x4)

### Africa:

Egypt, South Africa

### Asia:

India, Japan, Pakistan, Philippines

**Asia-Europe:** Türkiye

### Europe:

Belgium, Estonia, France, Germany, Great Britain, Greece, Italy (x3), Netherlands (x3), Poland, Spain, Switzerland

# Winning teams 2025

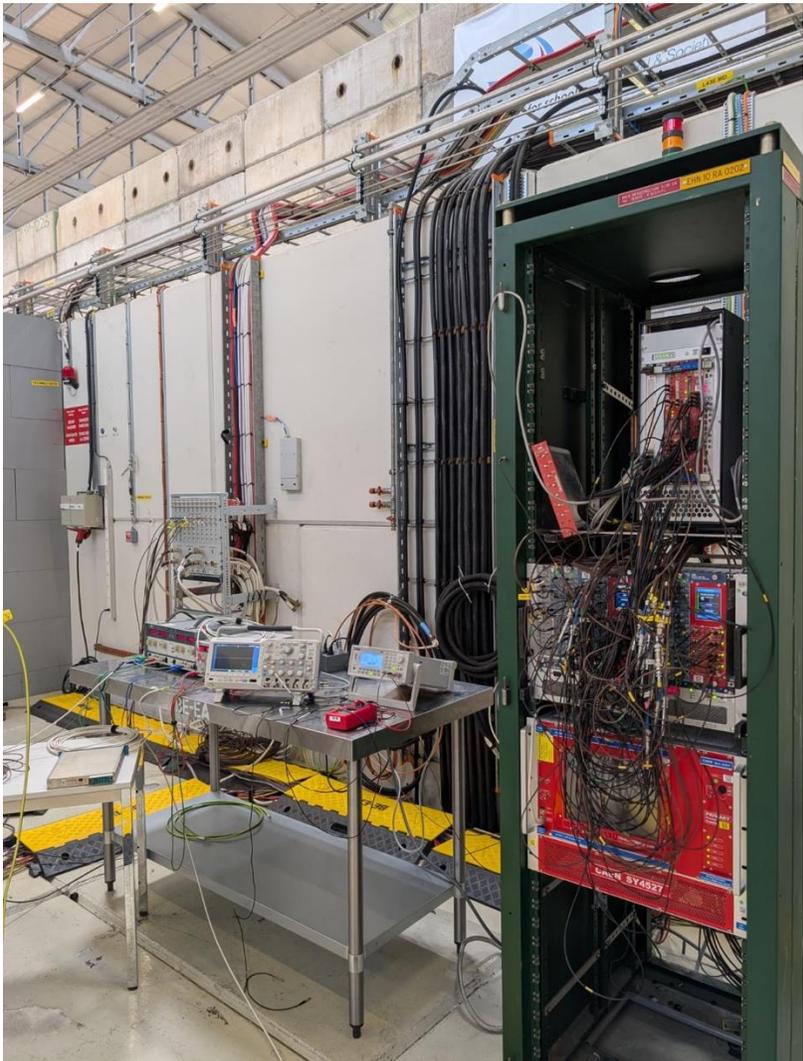
- ❖ “Dawson Technicolor” from Canada (DESY)
- ❖ “Pumas in Kollision” from Mexico (DESY)
- ❖ “Spallateam” from Belgium (CERN)
- ❖ “Physical” from Türkiye (CERN)
- ❖ “XTReme” from the USA (ELSA)

**Scintillation detectors, neutron spallation experiments, and transition radiation.**

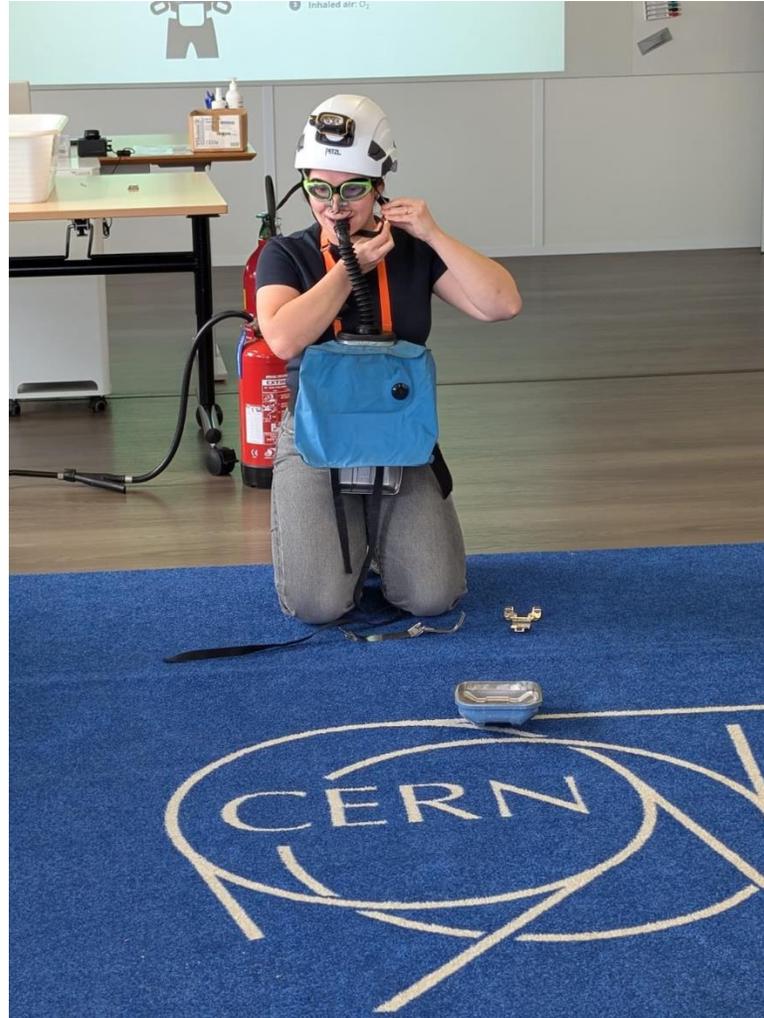


Winners of the 2025 CERN Beamline for Schools competition: “Dawson Technicolor” from Canada (top left), “Pumas in Kollision” from Mexico (top right), “Physical” from the Türkiye (bottom left), “the Spallateam” from Belgium (bottom centre) and “team XTReme” from the USA (bottom right) (Images: Dawson Technicolor, Pumas in Kollision, Physical, the Spallateam, team XTReme)

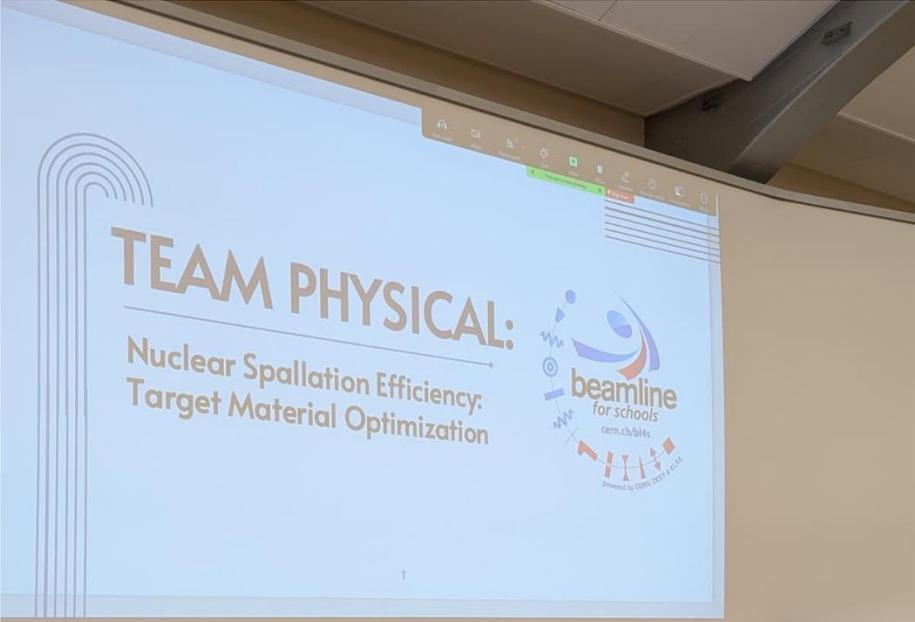
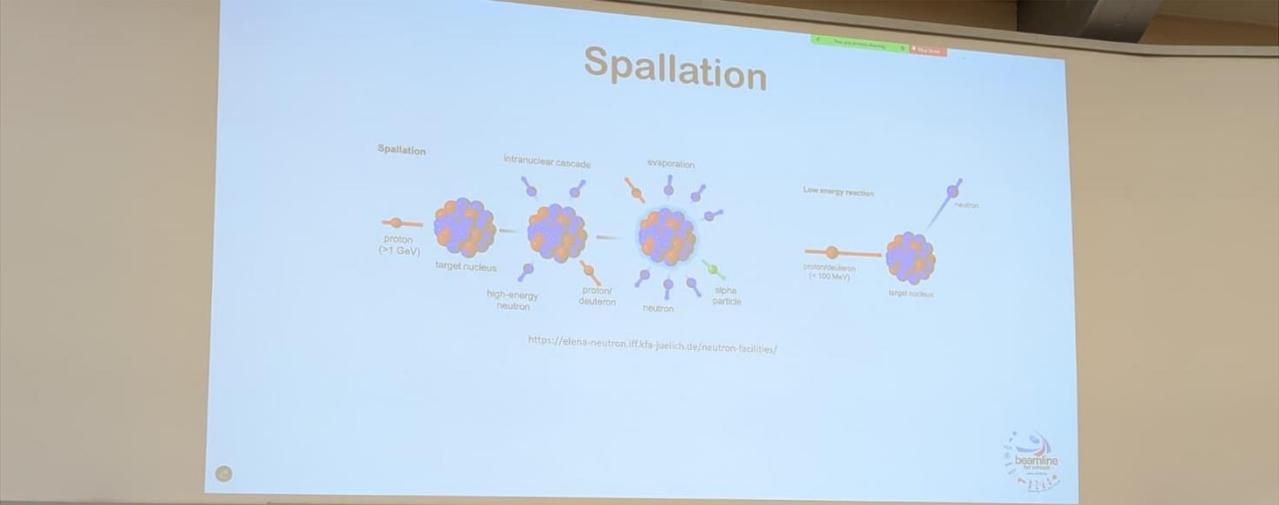
# Experimental Setup



# Safety Day



# Presentations



# Sponsor's (VIP) Day



# Beamtime, Data Analysis, Hands-on



# Visits



# DESY and ELSA



# ELSA



# CERN



# BBQ under the German sky



# Merci, Teşekkürler, Gracias, Thank you!

Questions?

