

## Contact the HITRIplus Industry Relations Team



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## NEXT GENERATION TOOL AGAINST CANCER

### FROM DECADES OF ACCELERATOR DESIGN, CONSTRUCTION AND OPERATION



X-ray radiotherapy (RT) is a standard technique in 3,500 treatment units of European hospitals



Proton beam radiotherapy is now available in 25 European operational units and new centres are under construction

Ion therapy is the **next frontier in cancer treatment** offering advantages in:

- dose conformity
- efficacy against radio-resistant tumors
- integration with modern immunotherapy



4 European facilities, based on CERN's (CH) and GSI's (DE) pioneering work, offer ion therapy with carbon ions:



**CNAO**  
Pavia (IT)



**HIT**  
Heidelberg (DE)



**MedAustron**  
Wiener Neustadt (AT)

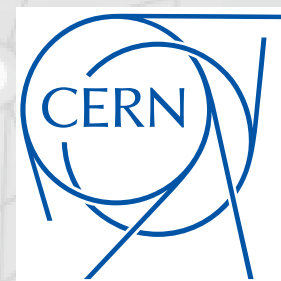


**MIT**  
Marburg (DE)



# HITRI<sup>plus</sup> CONSORTIUM CONSISTS OF:

- ▶ 2 major European heavy ion physics laboratories
- ▶ 4 European ion therapy centres
- ▶ 8 world-class research institutions
- ▶ 5 leading universities
- ▶ 3 innovative SMEs



Cyril and Methodius  
University in Skopje



RIGA TECHNICAL  
UNIVERSITY



Philipps



Universität  
Marburg



UPPSALA UNIVERSITY  
SWEDEN





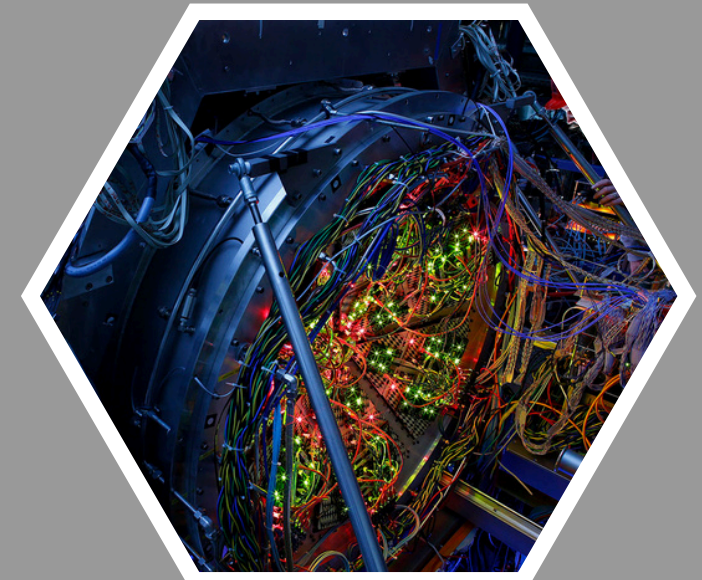
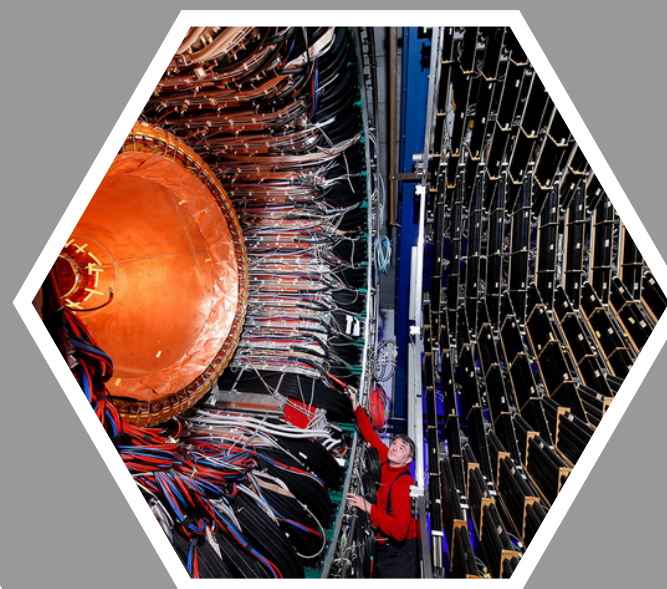
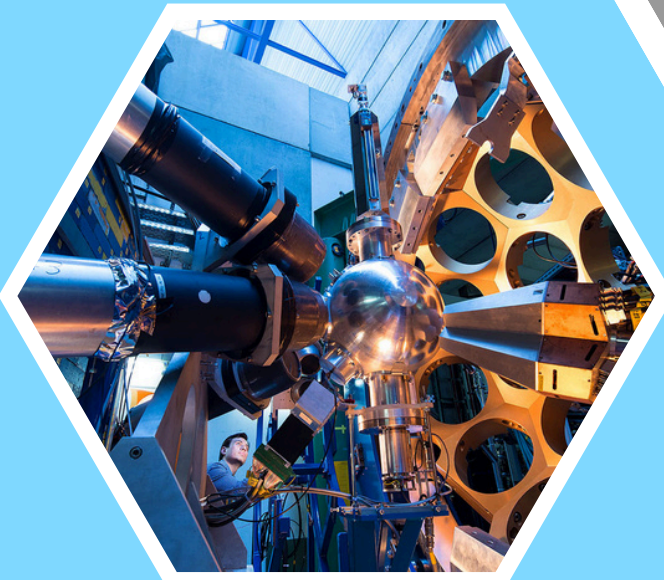
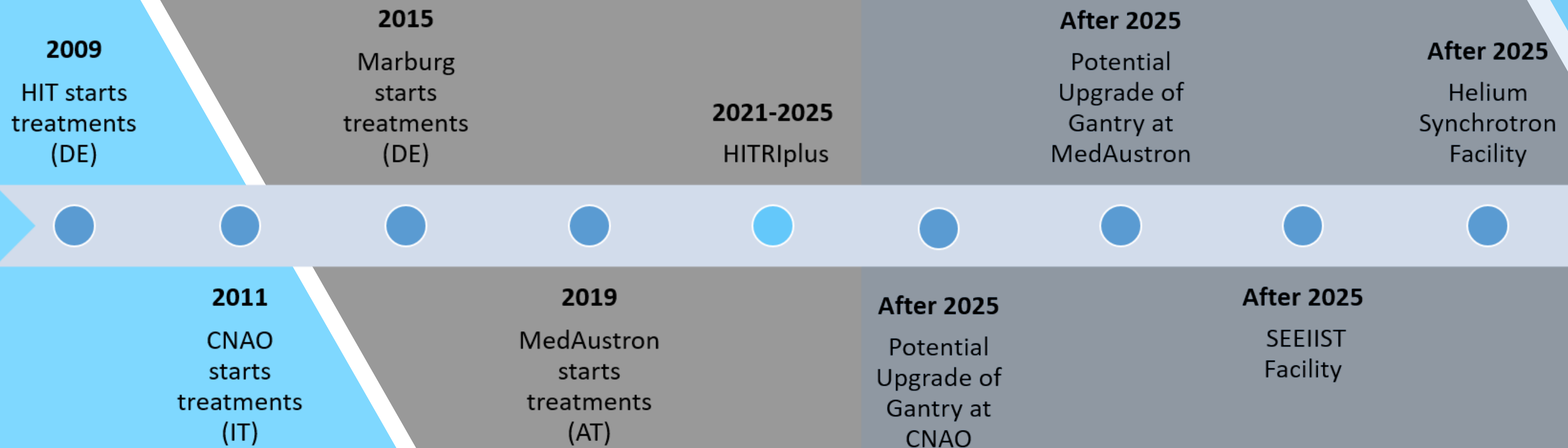
# THE CORE OF THE HITRI*plus*' PROJECT

- ▶ **Clinical Networking**
- ▶ **Combined knowledge and background in hadrontherapy**
- ▶ **Experience of running four state-of-the-art treatment facilities and committed user communities**
- ▶ **Clinical and Research transnational access**
- ▶ **Education and Training**





# EUROPE AT THE FOREFRONT OF HEAVY ION THERAPY





# EXPLORE HITRIplus OPPORTUNITIES

- ▶ 500 HOURS OF TRANSNATIONAL ACCESS AT ONE OF THE 4 HEAVY ION CENTRES IN EUROPE AND THE WORLDWIDE LEADING ACCELERATOR FACILITY AT GSI
- ▶ PARTICIPATE IN CLINICAL RESEARCH
- ▶ SHARE RESEARCHERS HIGH-LEVEL KNOWLEDGE
- ▶ BE INVOLVED IN NEW RESEARCH CHALLENGES

