



**FUTURE  
CIRCULAR  
COLLIDER**



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- IFJ PAN, Kraków
- AGH UST, Kraków
- Jagiellonian University (UJ), Kraków
- University of Silesia (US), Katowice
- Wrocław University of Technology (WrUT)

**POLAND**

- Charles University Prague

**CZECH REPUBLIC**

- Kosice (from 2025)

**SLOVAKIA**

- Wigner RCP Budapest

**HUNGARY**



## ➤ Recent achievements in the PED domain

- Involvement in noble liquid calorimetry studies, software development, theory

## ➤ Status and foreseen evolution of the personpower, and PED goals

- From the beginning of 2024: 2 FTE on FCC (1 senior, 1 post-doc, 1 Ph.D. student)
- Expecting 2.5-3 FTE from 2025
- More personpower could be expected once people involved in upgrades for HL-LHC are available
- Topics until the end of the feasibility study
  - calorimetry (noble liquid calorimetry, CALICE)
  - physics studies (not defined yet)

## ➤ Position of the funding agency in your country region; status of MoUs

- Grant from 2024 - 2028: ~1.5 FTE on FCC
- University funding for a post-doc position for 2 years (0.5 FTE)
- Charles University signed MoU in 2018
- Institute of Physics would like to sign in 2024

## ➤ Comments on alternative efforts on different future colliders, if any. Support of the HEP community

- FCC has a wide support in Czechia HEP society,
- There are no commitments for other future colliders

## ➤ Recent achievements in the PED domain

- Involvement in software development (KKMC, BHLUMI, core software)
- Theoretical studies of observables in particular those for Double Higgs Models

## ➤ Status and foreseen evolution of the personpower, and PED goals

- Current manpower:

Inst.	IFJ PAN	UJ	AGH	US
senior	0.5	0.5	0.3	1
Post-doc	0.5	-	-	1
student	1	-	-	-

- More personpower expected once people involved in upgrades for HL-LHC are available
- Topics until the end of the feasibility study: as above

## ➤ Position of the funding agency in your country region; status of MoUs

- Currently only the internal funds of institutions
- All MoUs signed
- New Ministry of Science (and the Minister); to be approached in due time

## ➤ Comments on alternative efforts on different future colliders, if any. Support of the HEP community

- Wide support in Kraków, Katowice and Wrocław; attempts to encourage Warsaw in 2024
- CLIC activities in the Warsaw University

## ➤ Recent achievements in the PED domain

- There is currently no institute with activity on FCC
- For this year it is not expected that the situation will change

## ➤ Status and foreseen evolution of the personpower, and PED goals

- Currently, most institutions are busy and saturated with ongoing LHC expts and their upgrades
- Institute of Experimental Physics in Kosice (the group of Pavol Strizenec) is planning to join FCC activities next year (1.5-2FTE)
- Topics: detector R&D

## ➤ Position of the funding agency in your country region; status of MoUs

- There are no special funds for FCC activities but the negotiations with the funding agencies on getting them in the next years are ongoing
- Attempts to attract technical universities (no success so far)

## ➤ Comments on alternative efforts on different future colliders, if any. Support of the HEP community

- Essentially answered above