

# HPTPC workshop welcome

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- Welcome to sunny and hot Barcelona!
- One catalan word to learn “Xafogor” :
  - “the feeling that the thermometer says 29° C and you are vapoured cooked.”
  - or “the weather in Barcelona is not always fantastic!”



- This building is the host of the Centres de Recerca de Catalunya (CERCA). (cerca.cat) Catalan is the only domain with its own domain.
- This is a network of ~40 institutes in Catalunya ranging from cancer research to high energy physics (IFAE) and includes computing, ecology, ...
- The model calls for the autonomy of the centers that adapt their organisation to the needs of their research fields.
- The CERCA centers follow the model of private sector management.





- [Agrotecnio – Centre for Research in Agrotechnology](#)
  - [CED – Centre for Demographic Studies](#)
  - [CIMNE – International Center for Numerical Methods in Engineering](#)
  - [CMR\[B\] – Centre of Regenerative Medicine in Barcelona](#)
  - [CRAG – Centre for Research in Agricultural Genomics](#)
  - [CREAF – Centre for Ecological Research and Forestry Applications](#)
  - [CREAL – Center for Research in Environmental Epidemiology](#)
  - [CREI – Centre for Research in International Economics](#)
  - [CRG – Centre for Genomic Regulation](#)
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- [IDIBGI – Girona Biomedical Research Institute](#)
  - [IEEC – Institute of Space Studies of Catalonia](#)
  - [IFAE – Institute for High Energy Physics](#)
  - [IGTP – Health Sciences Research Institute of the Germans Trias i Pujol Foundation](#)
  - [IISPV – Pere Virgili Health Research Institute](#)
  - [IJC – Josep Carreras Leukemia Research Institute](#)
  - [IMIM – Hospital del Mar Medical Research Institute](#)
  - [IMPPC – Institute of Predictive and Personalized Cancer Medicine](#)
  - [IPHES – Catalan Institute for Human Palaeoecology and Social Evolution](#)
  - [IR-Sant Pau – Sant Pau Institute of Biomedical Research](#)
  - [IRB Barcelona – Institute for Research in Biomedicine](#)
  - [IRB Lleida – Biomedical Research Institute of Lleida](#)
  - [IREC – Catalonia Institute for Energy Research](#)
  - [IrsiCaixa – Institute for AIDS Research](#)
  - [IRTA – Institute of Agrifood Research and Technology](#)
  - [IS GLOBAL – Barcelona Centre for International Health Research](#)
  - [VHIO – Vall d'Hebron Institute of Oncology](#)
  - [VHIR – Vall d'Hebron Research Institute](#)
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- [CRM – Centre for Mathematical Research](#)
  - [CTFC – Forest Sciences Centre of Catalonia](#)
  - [CTTC – Telecommunications Technological Center of Catalonia](#)
  - [CVC – Computer Vision Center](#)
  - [i2CAT – Internet and Digital Innovation in Catalonia](#)
  - [IBEC – Institute for Bioengineering of Catalonia](#)
  - [IC3 – Catalan Climate Sciences Institute](#)
  - [ICAC – Catalan Institute of Classical Archaeology](#)
  - [ICCC – Catalan Institute of Cardiovascular Sciences](#)
  - [ICFO – Institute of Photonic Sciences](#)
  - [ICIQ – Institute of Chemical Research of Catalonia](#)
  - [ICN2 – Catalan Institute of Nanoscience and Nanotechnology](#)
  - [ICP – Catalan Institute of Palaeontology Miquel Crusafont](#)
  - [ICRA – Catalan Institute for Water Research](#)
  - [ICRPC – Catalan Institute for Cultural Heritage Research](#)
  - [IDIBAPS – August Pi i Sunyer Biomedical Research Institute](#)
  - [IDIBELL – Bellvitge Biomedical Research Institute](#)





# & it is better located!



Old harbour



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# Purpose of the meeting ◀ | ▶

- Convince ourselves that a HPTPC/TPC is a viable detector for future neutrino experiments.
- Find a way to collaborate & raise money.
- Form small collaboration that:
  - design the experiment/detector
  - makes basic R&D
  - ... build & operate the detector.



# Purpose of the meeting ← | →

- The future of neutrino physics is not clear at the moment:
- Keep open mind on the purpose, goals and location of the experiment.
- Past experience tells us that we need the support from theorists is basic:
  - Listen to theorist before soldering cables!
  - help theorists to build stronger community in Europe.