



MINISTERIO
DE CIENCIA, INNOVACIÓN
Y UNIVERSIDADES



VNIVERSITAT
DE VALÈNCIA

Status of activities at Spain and next steps



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Juan A. Fuster Verdú - IFIC, València

Jornadas (virtuales) de la red española de futuros colisionadores, 6th October 2020

Spanish Network on Future Colliders

Chairs: Marcel Vos (IFIC) & Alberto Ruiz (IFCA)

Scope:

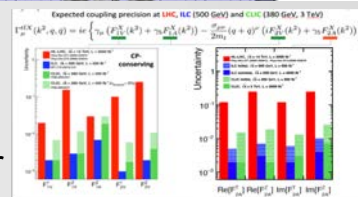
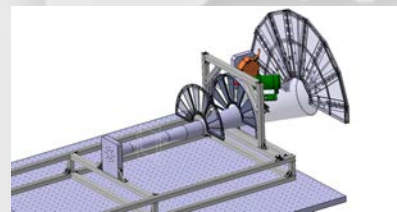
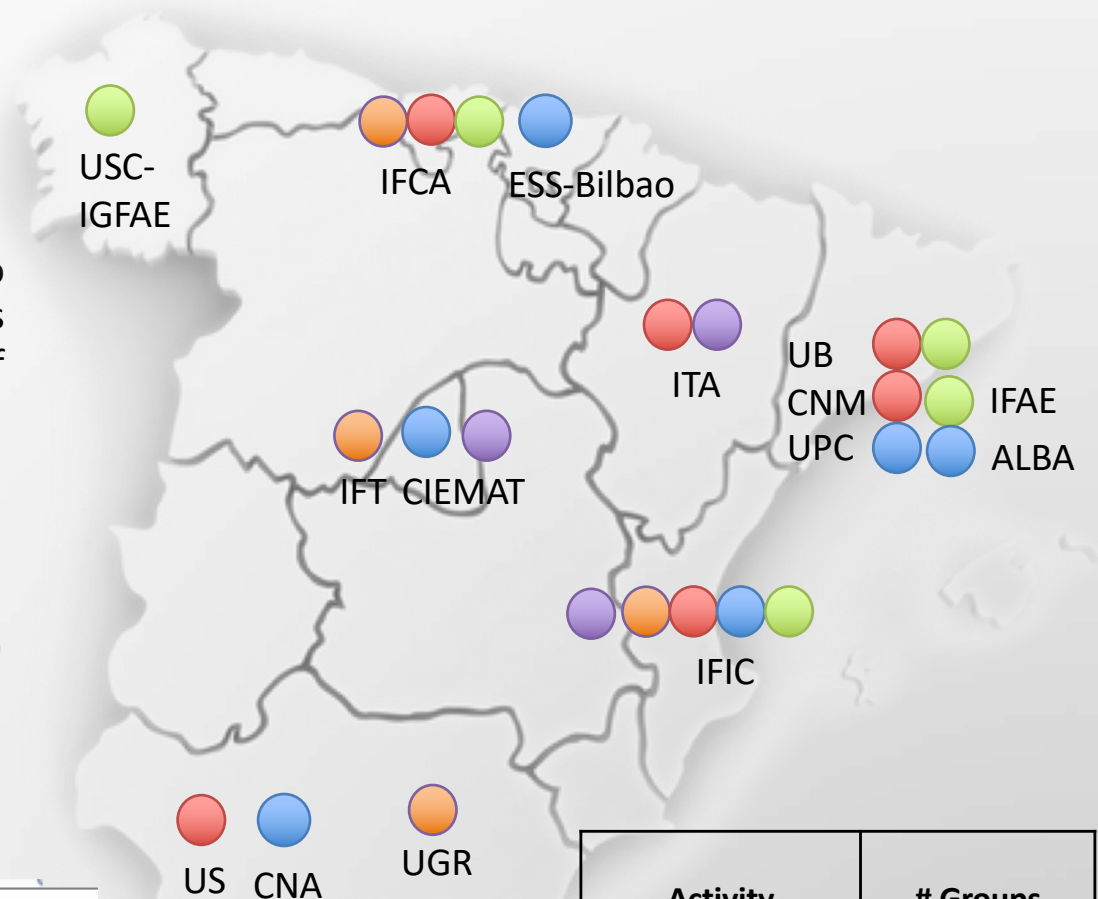
The main objective of this Thematic Network is to coordinate the Spanish activities on physics studies and development of new technologies in view of future colliders for Particle Physics (mostly ILC & CLIC)






Includes: Accelerator, Theory, Experimental and Technological groups

Keeps contact with industry (INDUCIENCIA, INEUSTAR)

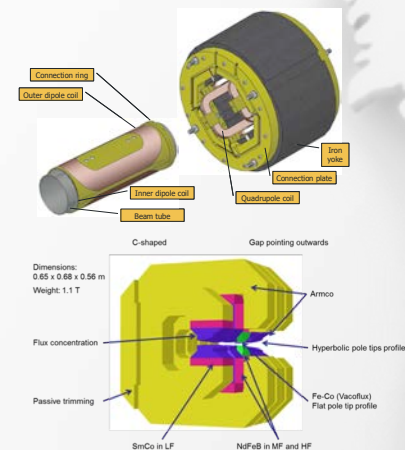
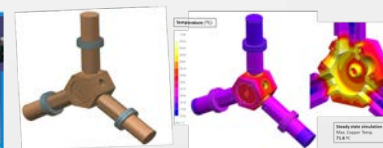
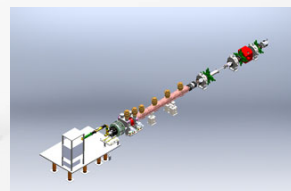
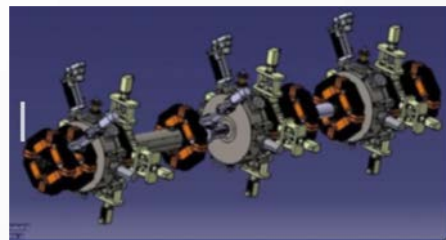
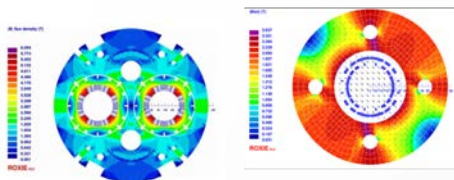
Active since 2007

Organizes 1-2 national meetings every year



Activity	# Groups
Accelerator	5 
Si/Tracking	6 
Si/Pixel	5 
Calorimetry	3 
Phenomenology	4 

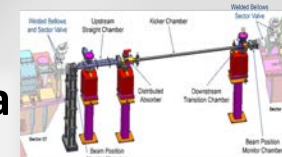
COordinación Nacional Española para la Ciencia y Tecnología de Aceleradores



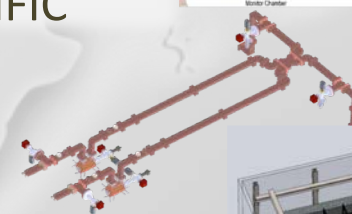
Bilbao
ESS



Barcelona
UPC, ALBA



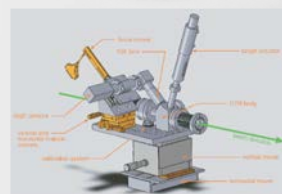
Valencia
IFIC



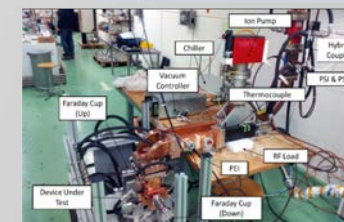
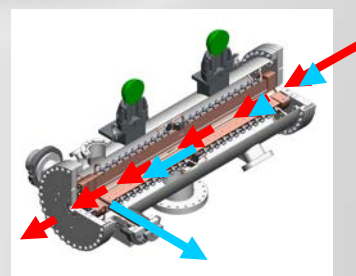
Madrid
CIEMAT, CMAM-UAM

Huelva
UHU

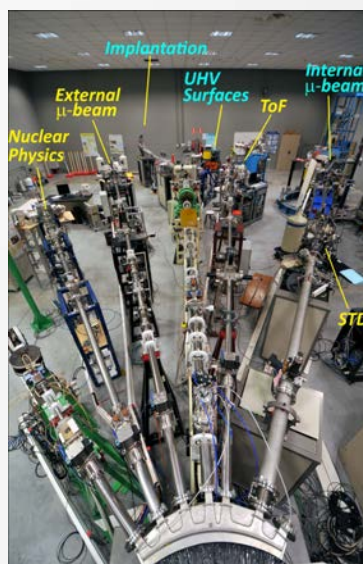
Sevilla
CNA



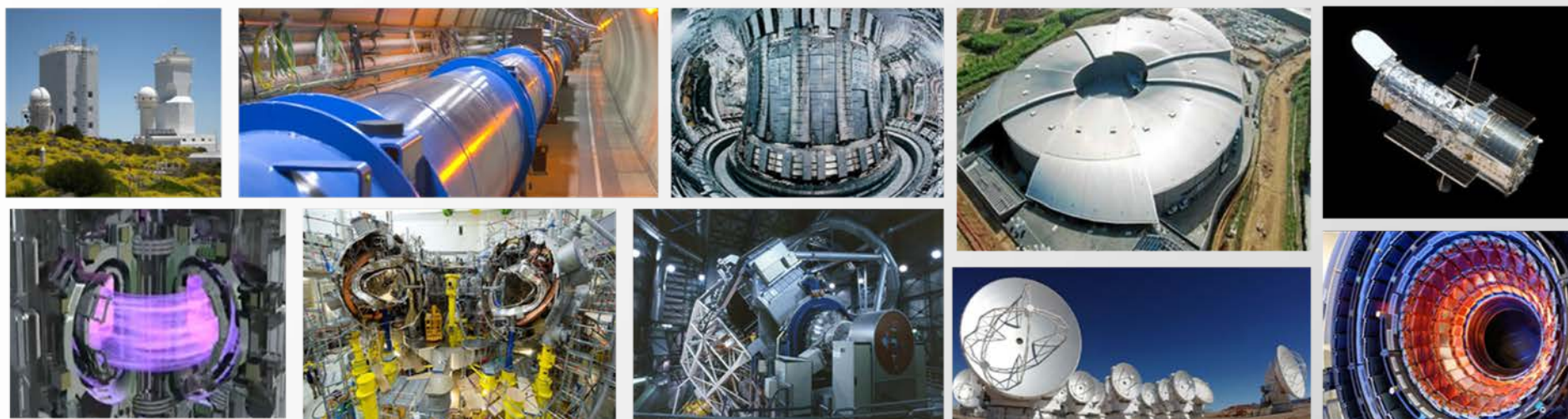
J. Fuster



6/10/20



SCIENCE INDUSTRY is the economic sector which includes the companies devoted to the design, engineering, construction, updating and keeping of scientific research facilities, its equipment and other related instruments



See talk by Erik Fernández at LCWS19 (Sendai)

<http://epx.phys.tohoku.ac.jp/LCWS2019/>

<https://agenda.linearcollider.org/event/8217/timetable/#20191028.detailed>



Spanish-Japanese *regular* meetings (interrupted by Japanese evaluation process, European strategy process, COVID-19)

Aim: Organize a joint Japanese-Spanish workshop end of 2020/Start of 2021 (?) getting together main actors (scientists, technology centers, industry and scientific/political authorities). This was the result/agreed of earlier contacts at Spanish Ministry made by Satoru Yamashita and Yasuhiro Okada.

Participants (past, present, future): Satoru Yamashita, Yasuhiro Okada, Kiyotomo Kawagoe, Javier Cáceres/Erik Fernández (INDUCIENCIA), Juan Fuster.

In contact with: Hitoshi Yamamoto, Masanori Matsouka (AAA), Tohru Takahashi, Manuel Moreno (CDTI), Benjamín Sánchez/María José Borge (Spanish Ministry of Science and Innovation), Jesús Marco (CSIC vice-president), Alberto Ruiz

Present network contribution to the joint Japanese-Spanish meeting is the production of two documents to be presented at the Spanish Ministry prior to the meeting:

1. Scientific and technological case of the ILC: Spanish Contribution
2. Spanish industrial opportunities at the ILC

On-going discussion on possible Spanish technological/industrial interests to the accelerator:

CIEMAT/IFIC: exploring a possible contribution to the splittable, super-conducting magnets of the main LINAC

ALBA: interest in the design of parts of the ILC damping ring,

ESS-Bilbao: interest expressed in beam dump system of the ILC

INDUCIENCIA/INEUSTAR: identifying companies with interest/capacity to contribute to the construction and matching with scientific and technological interest of the public institutes

Network meetings also being followed by: Steinar Stapnes (CERN), Nobuhiro Terunuma (KEK), Akira Yamamoto (CERN/KEK), Hitoshi Yamamoto (Tohoku University /IFIC)

Spanish-Japanese *regular* meetings: reinstate the meeting next weeks. Discuss situation and look for possibilities for a workshop including a wider audience (Ministry representatives but not only). Given present situation with COVID-19 needs to be “virtual”

Preparation of a new document written in Spanish and specific for the Ministry as a summary of the main document being prepared (Scientific and technological case of the ILC: Spanish Contribution). **Deadline:** end of October 2020. **Main target:** Ministry authorities. **Main emphasis:** Spanish industrial-technological interest/capabilities to participate in the project in future phases: Pre-lab+Construction

Start discussion of the project in the Ministry in various steps.

1. Presentation of the document and discussion of a procedure to follow
2. Create a working team with the Ministry

Resources:

1. Join other European efforts and participate in EU- calls
2. Apply in official calls in Spain already in 2021

ILC Network meetings: continue with regular meeting to discuss the on-going situation