



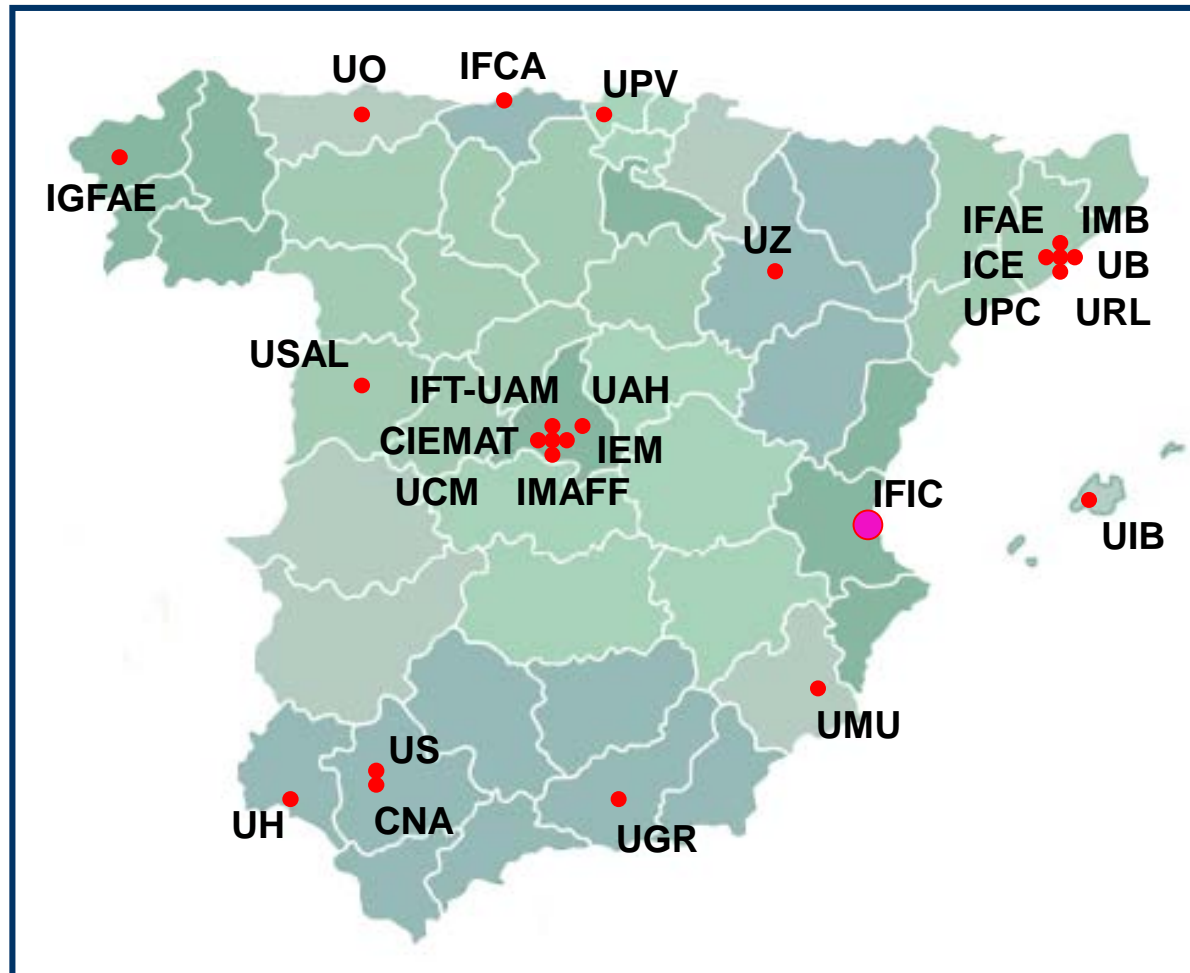
NATIONAL CENTER FOR PARTICLE, ASTROPARTICLE AND NUCLEAR PHYSICS



<http://www.i-cpan.es>

Current Status

2007 – 2017



José Ángel Villar Rivacoba (1956-2017)





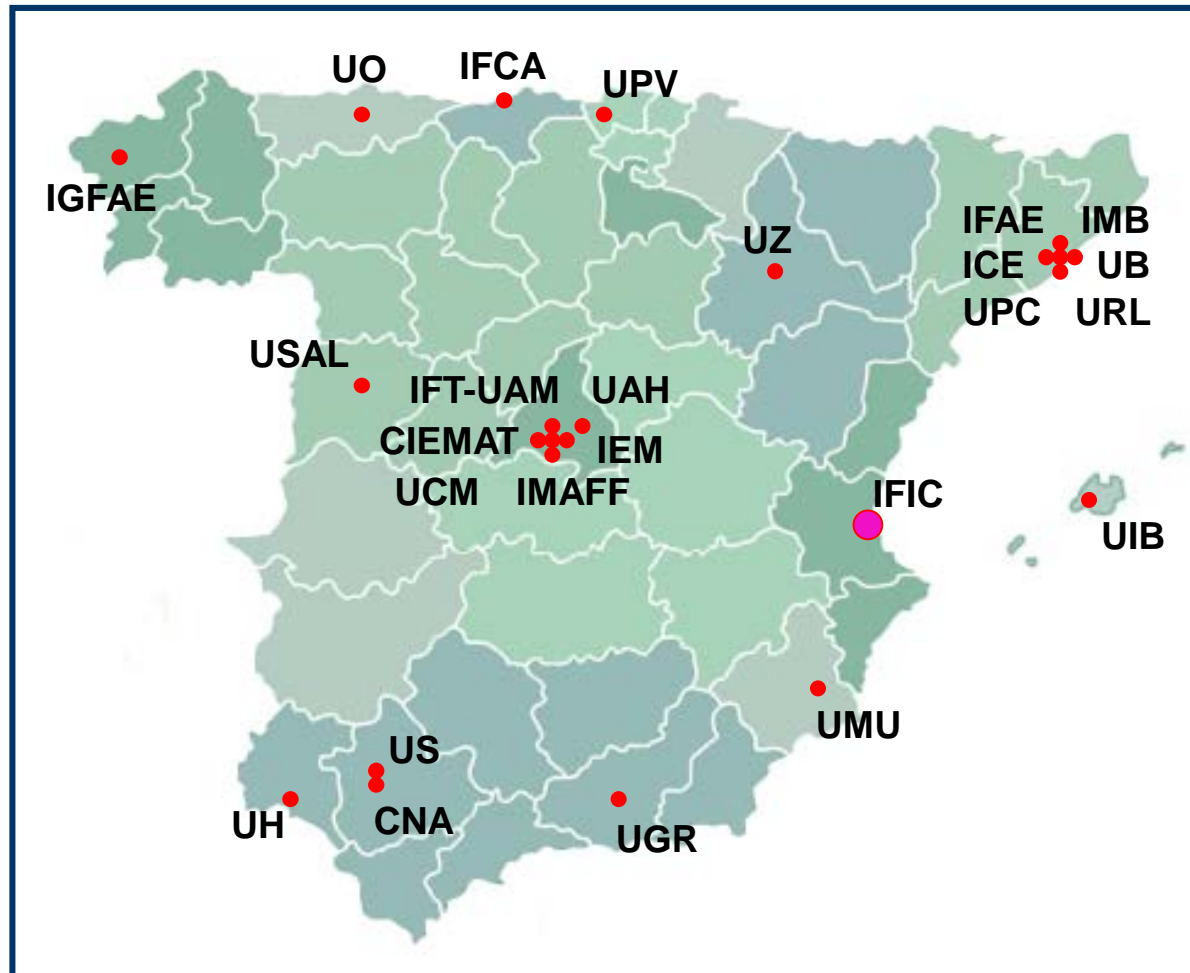
NATIONAL CENTER FOR PARTICLE, ASTROPARTICLE AND NUCLEAR PHYSICS



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Current Status

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OBJECTIVES

- Creation of the National Center for Particle, Astroparticle and Nuclear Physics**
- Definition of strategies and priority lines. Coordination of the Spanish participation in large international projects**
- Representation of the Spanish physics community**
- Human resources (technicians, postdocs, young scientists..)**
- Development of common R&D activities**
- Technology transfer**
- Scientific training**
- Outreach**

- ❑ **Consolider CPAN** (1/10/2007 – 9/6/2015): **11.750.000 €**
 - 26 groups (research institutes & university departments)
 - 161 contracts (technicians, engineers, graduates, postdocs)
 - 39 schools
 - 90 scientific meetings
 - Outreach, TT, CPAN web

- ❑ **Consolider Network CPAN** (1/12/2015 – 30/11/2017): **51.500 €**

Lluís Garrido, UB

- ❑ **II Consolider Network CPAN:** application submitted 20/10/2017

- ❑ **“Agrupación CPAN”:**
 - MoU signed by the 26 institutions (14/6/2016)
 - “Reglamento de funcionamiento” approved by SSC (2/2/2017)
 - Composition of first EC completed (22-25/05/2017)
 - First EC meeting (20/6/2017)

- ❑ **Coordinator:** A. Pich (IFIC)
- ❑ **Vice-coordinator:** M. Cerrada (CIEMAT)
- ❑ **Executive Committee:**
 - **Coordinator, Vice-coordinator**
 - **Experimental Particle Physics:** B. Adeva (IGFAE), J. Fuster (IFIC)
T. Rodrigo (IFCA), Ll. Garrido (UB), C. García (IFIC), J.F. Cuevas (UO), J. Terrón (UAM)
 - **Theoretical Physics:** A. Dobado (UCM), J.L. Miramontes (IGFAE)
L. Ibáñez (IFT), F. del Águila (UGR), M.J. Herrero (IFT), D. Espriu (UB), M. Asorey (UZ)
 - **Astroparticle Physics:** A. Bueno (UGR), F. Sánchez (IFAE)
M. Martínez (IFAE), E. Zas (IGFAE), J.A. Villar (UZ), J. Cortina (IFAE), I. Gil (CIEMAT)
 - **Nuclear Physics:** A. Ramos (UB), B. Quintana (USAL)
J. Gómez (US), M.J. García (IEM), J.M. Udías (UCM), J. Benlliure (IGFAE), B. Rubio (IFIC)
- ❑ **Scientific Strategy Council:** PIs of the 26 Groups
A. Pich (IFIC), M. Cerrada (CIEMAT), M. García (CNA), E. Elizalde (ICE), M.J. García (IEM), M. Quirós (IFAE), A. Ruiz (IFCA), A. González (IFT), J.L. Miramontes (IGFAE), B. Gato (IFF), M. Lozano (IMB), L. del Peral (UAH), J.L. Egido (UAM), Ll. Garrido (UB), F. Arqueros (UCM), F. del Águila (UGR), I. Martel (UH), C. Bona (UIB), J.A. Oller (UM), F.J. Cuevas (UO), F. Calviño (UPC), J.L. Mañes (UPV), X. Vilasis (URL), J. Gómez (US), B. Quintana (USAL), J.A. Villar (UZ)

- ❑ **Director:** A. Pich (IFIC)
- ❑ **Vice-director:** M. Cerrada (CIEMAT)
- ❑ **Manager:** M^a José Gracia (IFIC)
- ❑ **Executive Committee:**
 - **Director, Vice-director, Manager**
 - **Experimental Particle Physics:** Martine Bosman (IFAE), Alberto Ruiz (IFCA)
 - **Theoretical Physics:** José Luis Fernández (IFT), M^a Concepción González (UB)
 - **Astroparticle Physics:** Theopisti Dafni (UZ), Sergio Pastor (IFIC)
 - **Nuclear Physics:** Luis Mario Fraile (UCM), Begoña Quintana (USAL)
- ❑ **Scientific Strategy Council:** PIs of the 26 Groups

A. Pich (IFIC), M. Cerrada (CIEMAT), J. Gómez (CNA), E. Elizalde (ICE), G. Mena (IEM), A. Juste (IFAE), A. Ruiz (IFCA), A. Casas (IFT), J.L. Miramontes (IGFAE), B. Gato (IFF), M. Lozano (IMB), L. del Peral (UAH), J. Fernández (UAM), Ll. Garrido (UB), A. Dobado (UCM), F. del Águila (UGR), I. Martel (UH), A. Sintés (UIB), J.A. Oller (UM), F.J. Cuevas (UO), F. Calviño (UPC), J.J. Blanco (UPV), X. Vilasís (URL), J.M. Arias (US), B. Quintana (USAL), J.A. Villar (UZ)

- ❑ **Very difficult political period** (things can always get worse)
 - ❑ **Severe funding cuts. Poor investment on I+D** (below EU standards)
Many dangers: LHC upgrades, FAIR, “normal” research projects, MoUs...
 - ❑ **Many funding sources eliminated:** International agreements, complementary & internationalization actions, regional programmes...
 - ❑ **Funding Agency created** (budget unknown)
Bureaucracy increased, unreasonable administrative audit procedures
 - ❑ **National Center not supported. Consolider programme terminated**
But 3 S8a (IFAE, IFIC, IFT) & 3 MdM (CIEMAT, ICCUB, IGFAE) funded
- CPAN structures keep functioning** (wait and see...)

❑ Participants:

- Carmen Vela (Secretary of State)
- Marina Villegas (Director “Agencia Estatal Investigación”)
- Mario Martínez (FPA Manager)
- Marcos Cerrada (CPAN)
- Antonio Pich (CPAN)

❑ Subject: **Agrupación CPAN**

❑ SEIDI views:

- Severe budget constraints
- CERN represents a large fraction of SEIDI budget (but very good relations)
- Experimental MoU quotas within projects
- LHC upgrades should fit within current FPA budget
- The scientific community is already present in CIFPA
- CPAN could ask for a strategic network

❑ Our views...

- ❑ **European Strategy for Particle Physics 2018-2020 (CERN)**
- ❑ **European Astroparticle Physics Strategy 2017-2026 (APPEC)**

[http://indico.nikhef.nl/e/APPEC Roadmap Event 2017](http://indico.nikhef.nl/e/APPEC_Roadmap_Event_2017)

- ❑ **European Strategy for Nuclear Science (NuPECC)**

Long Range Plan 2017. Perspectives in Nuclear Physics



Hospedería Fonseca, Salamanca, 29-31 Octubre 2018

VIII Centenario de la Universidad de Salamanca

