Study of Strongly Interacting Matter

Fact Sheet

Project Information

HADRONPHYSICS2
Grant agreement ID: 227431
Status
Closed project
Start date 1 January 2009
End date 31 December 2011
Funded under
FP7-INFRASTRUCTURES
Overall budget € 18 739 149,19
EU contribution € 9 999 994,76
Coordinated by
ISTITUTO NAZIONALE DI FISICA NUCLEARE
Italy

This project is featured in...

RESEARCH*EU MAGAZINE
Archaeology, history and heritage: a civilisation discovered in Libya’s desert
NO. 9, FEBRUARY 2012

Objective

The Project promotes the access to five European Research Infrastructures, and it is structured into eight Networking Activities, plus the Management of the Consortium.
structured into eight Networking Activities, plus the management of the Consortium, and fourteen Joint Research Activities. The Project represents the continuation of the successful HadronPhysics project in FP6 and originates from the initiative of more than 2.500 European scientists working in the field of hadron physics. Hadron physics deals with the study of strongly interacting particles, the hadrons. Hadrons are composed of quarks and gluons. Their interaction is described by Quantum Chromo Dynamics, the theory of the strong force. Hadrons form more complex systems, in particular atomic. Under extreme conditions of pressure and temperature, hadrons may lose their identity and dissolve into a new state of matter similar to the primordial matter of the early Universe. The Networking Activities are related to the organization of experimental and theoretical collaborative work concerning both ongoing activities at present Research Infrastructures and planned experiments at future facilities. In hadron physics the close interaction between experimentalists and theoreticians is of paramount importance. The Joint Research Activities concentrate on technological innovations for present and future experiments. Applications in material science, medicine, information, technology, etc., represent natural fall-outs. The main objective of this Integrating Activity is to optimize the use and development of the Research Infrastructures existing in Europe working in the field of hadron physics. The Project aims as well at structuring, on European scale, the way Research Infrastructures operate, and at fostering their joint development in terms of capacity and performance. The approach used is the “bottom up” approach, to respond to the needs of the scientific community in all fields of science and technology.

Field of science

/natural sciences/physical sciences/theoretical physics/particles/gluons
/natural sciences/physical sciences/theoretical physics/particles/quarks
/natural sciences/physical sciences/theoretical physics/particles

Programme(s)

Topic(s)

Call for proposal

FP7-INFRASTRUCTURES-2008-1

Funding Scheme

CP-CSA-Infra - Combination of CP and CSA
Coordinator

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UNIVERSIDAD DE SANTIAGO DE COMPOSTELA

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€ 47 199,60

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France
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| € 76 200        | Rue Leblanc 25  
75015 Paris 15 | Research Organisations |
|                 | Website | Contact the organisation |
| Administrative Contact | Nathalie Judas (Ms.) |

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75794 Paris | Research Organisations |
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| Administrative Contact | Eliane Perret (Ms.) |

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69150 Decines Charpieu | Private for-profit entities  
(excluding Higher or Secondary Education Establishments) |
|                 | Website | Contact the organisation |
| Administrative Contact | Jean-Marie Fourmigue (Dr.) |

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Last update: 1 August 2019
Record number: 90878

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