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MYRRHA Accelerator eXperiment, research and development programme

Fact Sheet

Project Information

MAX

Grant agreement ID: 269565

Project closed

Start date

1 February 2011

End date

31 July 2014

Funded under

EURATOM: Nuclear fission and radiation protection

Total cost

€ 4 950 856,46

EU contribution

€ 2 926 199,05

Coordinated by

CENTRE NATIONAL DE LA
RECHERCHE SCIENTIFIQUE
CNRS

 France

Objective

The present FP-7 proposal MAX is subsequent to the recommendations of the Strategic Research Agenda of SNETP for ADS development in Europe. Its aim is to pursue the R&D required for a high power proton accelerator as specified by the MYRRHA project. There is especially a strong focus on all the aspects that pertain to the reliability and availability of this accelerator.

This R&D effort builds on the large body of results and the clear conclusions that have been obtained during the consecutive FP5 project PDS-XADS and FP6 project EUROTRANS. MAX will further investigate the key issues of redundancy and fault-tolerance by real-world experience in making maximum use of already existing or to-be-built dedicated prototypes, both on the injector side and on the main superconducting linac side.

At the end of the MAX project, it will be possible to generate an updated consolidated reference layout of the accelerator for MYRRHA with sufficient detail and adequate level of confidence in order to initiate its engineering design and subsequent construction phase.

Programme(s)

[FP7-EURATOM-FISSION - EURATOM: Nuclear fission and radiation protection](#)

Topic(s)

[Fission-2010-2.3.1 - R&D activities in support of the implementation of the Strategic Research Agenda of SNE-TP](#)

Call for proposal

FP7-Fission-2010

[See other projects for this call](#)

Funding Scheme

[CP-FP - Small or medium-scale focused research project](#)

Coordinator



CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS

EU contribution

€ 769 281,05

Total cost

No data

Address

RUE MICHEL ANGE 3

75794 Paris

 **France** 

Region

Ile-de-France > Ile-de-France > Paris

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Participants (10)



Accelerators and Cryogenic Systems

 France

EU contribution

€ 110 625,00

Address

rue de Paris 86

91400 Orsay 

Region

Ile-de-France > Ile-de-France > Essonne

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



ADAPTIVE PREDICTIVE EXPERT CONTROLADDEX SA

 Spain

EU contribution

€ 156 488,00

Address

PLAZA VALLE DE LA JAROSA 77
28035 MADRID 

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES

 France

EU contribution

€ 59 296,00

Address

RUE LEBLANC 25
75015 PARIS 15 

Region

Ile-de-France > Ile-de-France > Paris

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



EMPRESARIOS AGRUPADOS INTERNACIONAL SA

Spain

EU contribution

€ 344 271,00

Address

CALLE MAGALLANES 3

28015 Madrid

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Total cost

No data



UNIVERSIDADE CATOLICA PORTUGUESA

Portugal

EU contribution

€ 28 400,00

Address

PALMA DE CIMA

1649 023 Lisboa

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Total cost

No data



JOHANN WOLFGANG GOETHE-UNIVERSITAET FRANKFURT AM MAIN

 Germany

EU contribution

€ 760 800,00

Address

THEODOR W ADORNO PLATZ 1

60323 Frankfurt Am Main 

Region

Hessen > Darmstadt > Frankfurt am Main, Kreisfreie Stadt

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



ISTITUTO NAZIONALE DI FISICA NUCLEARE

 Italy

EU contribution

€ 204 400,00

Address

Via Enrico Fermi 54

00044 Frascati 

Region

Centro (IT) > Lazio > Roma

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



KATHOLIEKE UNIVERSITEIT LEUVEN

 Belgium

EU contribution

€ 53 600,00

Address

OUDE MARKT 13
3000 Leuven 

Region

Vlaams Gewest > Prov. Vlaams-Brabant > Arr. Leuven

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



STUDIECENTRUM VOOR KERNENERGIE / CENTRE D'ETUDE DE L'ENERGIE NUCLEAIRE

 Belgium

EU contribution

€ 341 613,00

Address

AVENUE HERRMANN DEBROUX 40
1160 Bruxelles / Brussel 

Region

Région de Bruxelles-Capitale/Brussels Hoofdstedelijk Gewest > Région de Bruxelles-Capitale/ Brussels Hoofdstedelijk Gewest > Arr. de Bruxelles-Capitale/Arr. Brussel-Hoofdstad

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



THALES ELECTRON DEVICES SA

 France

EU contribution

€ 97 425,00

Address

RUE MARCEL DASSAULT 2

78140 VELIZY VILLACOUBLAY 

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data

Last update: 10 February 2022

Permalink: <https://cordis.europa.eu/project/id/269565>

European Union, 2025