

HadronPhysics I3



Study of Strongly Interacting Matter

NuPECC Meeting

ECT Trento – 16th-17th March , 2007*

**The HadronPhysics
project towards FP7**

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LATEST NEWS ON FP7

IMPLEMENTATION OF FIRST CALL 2007

- **Call identifier:** FP7-INFRASTRUCTURES-2007-1
- **Date of publication:** 22 December 2006
- **Deadline:** 2 May 2007, at 17.00, Brussels local time.
- **Indicative budget:** 164,4 million EUR (284,4 M€) of which **63,4 M€ (183,4 M€)** to support **preparatory phase** for new research infrastructures.

Line of action/Activity	Topics called	€ (million) indicative
1.2 Support to new research infrastructures		
1.2.2 Construction of new infrastructures – preparatory phase	INFRA-2007-2.2.1.1-33: Preparatory phase for research infrastructures in the 2006 ESFRI Roadmap (n. 33 projects) of which: INFRA-2007-2.2.1.29: FAIR INFRA-2007-2.2.1.32: SPIRAL2	63,4 ^[1] (183,4)

^[1] An amount of 120 M€ from the 2008 budget is expected to be added to this call for which a new financing decision to cover the budget for that year will be requested at the appropriate time.

IMPLEMENTATION OF I3 CALL 2008

- **Call identifier:** FP7-INFRA-2008-1.1.1 and FP7-INFRA-2008-1.1.2.1-29
- **Date of publication:** 21 December 2007
- **Deadline:** 2 May 2008, at 17.00, Brussels local time.
- **Indicative budget:** 85^[1] million EUR (275 M€).

Line of action/Activity	Topics called	€ (million) indicative
1.1 Support to new research infrastructures		
1.1.1 Integrating Activities	FP7-INFRA-2008-1.1.1: Integrating Activities in all scientific and technological fields (Bottom-up I3)	85 (275)
	FP7-INFRA-2008-1.1.2.1-29: Integrating Activities to support the specific needs of thematic priority areas (Targeted I3)	

^[1] An amount of 190 M€ from the 2009 budget is expected to be added to this call for which a new financing decision to cover the budget for that year will be requested at the appropriate time.

INDICATIVE PRIORITIES FOR FUTURE CALLS

Activity	Call 1 (02.05.07)	Call 2 (Fall 2007)	Call 3 (02.05.08)	Call 4 (Fall 2008)	Call 5 (Spring 2010)	Call 6 (Spring 2012)
Integrating Activities			X		X	
e-Infrastructures	X	X		X	X	X
Design Studies	X				X	
Construction – support to the preparatory phase	X				X	
Support to policy development and programme implementation	X	X	X		X	X

* Dates indicated are tentative call closing dates.

FUNDING BREAKDOWN

CAPACITIES	M€
Research Infrastructures	1.715
Research for the benefit of SMEs	1.336
Regions of Knowledge	126
Research Potential	340
Science in Society	330
Coherent Development of Policies	70
International Cooperation	180
TOTAL	4.097

RESEARCH INFRASTRUCTURES	M€
Integrating Activities (I3)	580
e-Infrastructures	420
Design Studies	70
Construction Preparatory phase	200
Construction implementation phase	130
Risk sharing finance facility	200
Policy development	65
Non operational budget	50
TOTAL	1.715

MAXIMUM REIMBURSEMENT RATES OF ELIGIBLE COSTS

RESEARCH AND TECHNOLOGICAL DEVELOPMENT	50% or 75% ^[1]
COORDINATION ACTIVITIES (NETWORKING)	100%
SUPPORT ACTIVITIES (TRANSNATIONAL ACCESS)	100%
MANAGEMENT ACTIVITIES ^[2]	100%
SERVICE ACTIVITIES	100%

^[1] For participants that are non-profit public bodies, secondary and higher education establishments, research organizations and SMEs.

^[2] The 7% of total budget spending limit for Management activities has been dropped.

INDIRECT COSTS FOR **RTD, MANAGEMENT AND SERVICES**

Has your organisation either an analytical accounting system or will you to declare overhead rates using a simplified method?

YES



Real indirect costs or costs calculated using a simplified method

OR

20% of total direct eligible costs

NO



OR

60% of total direct eligible costs for:

- Non-profit public bodies, secondary and higher education establishments, research organizations and SMEs.
- When participating in funding schemes which include research and technological development.

INDIRECT COSTS FOR **NETWORKING AND TRANSNATIONAL ACCESS**

In any case 7% of direct eligible costs

DURATION

Integrated Infrastructure Initiatives projects are expected **to last** typically **two to five years**. However, there is no formal minimum or maximum duration.

AUDIT

A certificate on the financial statements shall be compulsory only whenever the cumulative amount of interim payments and balance payments made to a participant is equal to **EUR 375.000 or more** for an indirect action.

GETTING TO HADRONPHYSICS2

MANAGERIAL STRUCTURE OF HADRONPHYSICS2

- Coordinator: INFN (Italy)
- Project Coordinator: Carlo Guaraldo (*INFN-LNF*)
- Steering Committee (SC)
 1. *G. Rosner (Glasgow)*
 2. *M. Anselmino (Torino)*
 3. *H. Koch (Bochum)*
 4. *T. Johansson (Uppsala)*
 5. *R. Simon (GSI)*
 6. *L. Riccati (Torino)*
 7.
 8.
 9.

MANAGERIAL AND ADMINISTRATIVE SUPPORT

Project Coordinator and Management Team

Carlo Guaraldo, staff

Yara Bravo, staff

Diana Sirghi, staff

Maria Cristina D'Amato, LNF

INFN Administration

Catia Conti, LNF

Daniela Ferrucci, LNF

....., staff

Secretariat @ LNF

Donatella Pierluigi, LNF

TENTATIVE TIMESCALE
TO PREPARE THE PROPOSAL
2007

- **Mid July 2007**
First call for presenting the Letters of Intent for Networking, Transnational Access and Joint Research Activities
Deadline: mid September 2007
- **End September – beginning October**
First plenary meeting
- **Beginning December 2007**
Second call of the Steering Committee
Deadline: Beginning February 2008

TENTATIVE TIMESCALE
TO PREPARE THE PROPOSAL
2008

- **Mid February 2008**
Second Plenary Meeting
- **Mid April 2008**
Final Plenary Meeting
- **2 May 2008**
Delivery of Proposal to EC

**PRELIMINARY EXPRESSIONS OF
INTEREST FOR HADRONPHYSICS2**

NETWORKING ACTIVITIES

	TITLE	LEADING ORGANIZATION
1.	DIMUONnet (exp.)	IN2P3-SUBATECH
2.	A worldwide research network for experimental investigation of dense strongly-interacting matter (exp.)	GSI
3.	EtaPrimeNet (exp.)	Uppsala / TSL
4.	GPDNet (exp./th.)	Glasgow
5.	Transverse nucleon structure (exp./th.)	INFN-LNF
6.	Exploring the space-time dynamics of hadronization (exp.)	INFN-LNF
7.	PANDAnet (exp.)	Uppsala /TSL
8.	Lattice QCD for FAIR (th.)	GSI / Bielefeld
9.	HadronTH (th.)	Bonn
10.	Soft and hard process in heavy ion collisions (th.)	IN2P3-SUBATECH

TRANSNATIONAL ACCESS ACTIVITIES

1. LNF-INFN
2. FZJ-COSY
3. NIC/ZAM
4. GSI
5. MAMI
6. ZIB
7. MAXLAB
8. TSL
9. ELSA
10. ECT*

JOINT RESEARCH ACTIVITIES (1)

	TITLE	LEADING ORGANIZATION
1.	GEM based tracking detectors for future European experiments	INFN-LNF
2.	Construction of a GEM-TPC prototype for PANDA	TUM
3.	- Development LYSO/LSO for application in high resolution calorimetry - Development of extremely bright scintillators for high energy particle and gamma detection - Development of inorganic scintillating fibres for experiments in hadron physics	Giessen
4.	Low momentum muon indication in an active absorber with timing RPCs.	GSI
5.	Cherenkov imaging counters for high luminosity and high precision experiments	INFN-TS
6.	Precision monitoring of radiation damages and advanced calibration of gamma detectors	Uppsala / TSL

JOINT RESEARCH ACTIVITIES (2)

	TITLE	LEADING ORGANIZATION
7.	COMPASS Recoil Detector with PANDA TOF barrel	Glasgow
8.	Matrix Geiger-mode APDs for photon detection with sub nanosecond time resolution for frontier detector systems	GSI
9.	Amplitude analysis for high precision hadron spectroscopy	GSI
10.	Construction of a polarimeter and a tracking system for the measurement of the nucleon time-like form factors at LNF	INFN-LNF
11.	Polarisation observables in hadron physics	Glasgow
12.	Structure studies with spin oriented nucleons and nuclei	Bochum
13.	Building a special purpose computer for lattice gauge calculations based on the cell processor	DESY
14.	Electromagnetic calorimeter for jet quenching study	INFN-LNF
15.	Transport theory for FAIR energies	IN2P3-SUBATECH

SUMMING UP

1. The process to prepare a HadronPhysics proposal for FP7 has already started
2. The scientific community is already showing lots of interest