# POLAR - FRANCE

Giovanni Lamanna, Jean Pierre Vialle, […]

1. POLAR - LAPP
2. POLAR - ANR
3. POLAR - IRG-ERC

# 1. POLAR - LAPP

In this first hypothesis the minimal conditions for a French participation are limited: G.Lamanna (LAPP), JP.Vialle (LAPP), C.Tao (CPPM)

Difficult to say how to contribute actively since POLAR would not be defined formally as an approved experiment.

Personally, since one year I see hard to feel member of POLAR without a contribution.
A “serious” contribution can come only if approved.
Approving POLAR means funding….

# 2. POLAR – ANR

Mission:

**L'Agence nationale de la recherche** – **ANR** – a public administrative institute, is a research projects funding agency. Its objective is to increase the number of projects proposed from the whole scientific community.

**“Programmes non-thématiques”**

**CALL FOR PROPOSALS 2007**

***“Programme blanc“*** *(deadline 1st March 2007)*

**The ANR “*programme blanc"* aims to strength significantly ambitious projects which are internationally competitive and original in contrast with research path already well exploited.**

**Those projects can attaint any scientific discipline and can be proposed by single or multiple (1 to 4) partner teams.**

# 2. POLAR – ANR

Agence Nationale de la Recherche
ANR

Programme blanc 2007

***APPEL À PROJETS DE RECHERCHE***

**En cas de recouvrement thématique avec d'autres appels à projets (AAP) lancés par l'ANR, les coordinateurs de projet devront veiller à choisir l'AAP le mieux adapté à leur projet.**
**Les personnes impliquées dans plusieurs AAP soumis à l'ANR devront le mentionner dans le tableau « demandes de contrats en cours d'évaluation » (Section D du document).**

## II - PRÉSENTATION DÉTAILLÉE DU PROJET

DURÉE DU PROJET : ☐ 24 mois ☒ 36 mois ☐ 48 mois

### A - Identification du coordinateur et des autres partenaires du projet

| |
|---|
| Acronyme ou titre court du projet : POLAR - Wilde Field Polarimeter for Hard X-Rays from Gamma Ray Bursts |

**A-1 – Partenaire 1 = Coordinateur du Projet**
*Un coordinateur, responsable scientifique du projet, doit être désigné par les partenaires.*
champ obligatoire

| Civilité * | Nom * | Prénom * | |
|---|---|---|---|
| Mr. | LAMANNA | GIOVANNI | |
| Grade * | Chargé de recherche de première classe | Employeur * | CNRS/IN2P3 |
| Mail * | lamanna@lapp.in2p3.fr | | |
| Tél * | 0450091679 | Fax 0450279495 | |

| |
|---|
| **Laboratoire** *(nom complet)* * |
| LAPP, UMR CNRS/IN2P3 5814, Laboratoire d'Annecy-le-vieux de Physique des Particules |
| **N° Unité** *(s'il existe)* |
| **Adresse complète du laboratoire** * |
| Chemin de Bellevue - B.P. 110 - F-74941 Annecy-le-Vieux Cedex |
| **Code postal** * 74941 — **Ville** * Annecy-le-Vieux |
| **Etablissements de tutelle** *(indiquer le ou les établissements et organismes de rattachement, souligner l'établissement susceptible d'assurer la gestion du projet)* : 1) IN2P3 et CNRS. 2) Université de Savoie. |

| |
|---|
| Acronyme ou titre court du projet : POLAR - Wilde Field Polarimeter for Hard X-Rays from Gamma Ray Bursts |

**A-2 - Autres partenaires du projet (remplir une fiche par partenaire)**
*Un responsable scientifique de l'équipe partenaire doit être désigné*

Partenaire 2 — * champ obligatoire

| Civilité * | Nom * | Prénom * | |
|---|---|---|---|
| Mr | VASILEIADIS | GEORGES | |
| Grade | Chargé de recherche de première classe | Employeur * | CNRS/IN2P3 |
| Mail * | Georges.VASILEIADIS@lpta.in2p3.fr | | |
| Tél * | 0467144184 | Fax 0467144190 | |

| |
|---|
| **Laboratoire** * *(nom complet)* |
| LPTA, Laboratoire de Physique Théorique & Astroparticules UMR 5207 CNRS-UM2 |
| **N° Unité** *(s'il existe)* |
| **Adresse complète du laboratoire** * |
| Université Montpellier II<br>Case Courrier 070, Bât. 13<br>place Eugène Bataillon |
| **Code postal** * 34095 — **Ville** * Montpellier |
| **Etablissements de tutelle** *(indiquer le ou les établissements et organismes de rattachement, souligner l'établissement susceptible d'assurer la gestion du projet)* : 1) IN2P3 et CNRS. 2) Université de Montpellier II. |

# 2. POLAR – ANR

**LAPP (Annecy):**
25 months (G LAMANNA)
18 months (JP VIALLE)
10 months (Research Engineer)
12 months (Research Engineer)
3 months (Technician)
3 months (Technician)
+ 1 PostDoc (3 years)

→

**LAPP (Annecy):**

**Software and Data Analysis**
**Mechanics and Space Qualification**
**Detector and front-end electronic**

**LPTA (Montpellier)**
18 months (G VASILEIADIS)
11 months (A. JACHOLKOWSZKA)
11 months (Research Engineer: C. ZURBACH)

→

**LPTA (Montpellier)**

**On-line read out: digital signal processing (DSP) flight software.**
**Detector and front-end electronic tests**

# 2. POLAR – ANR

| | ÉQUIPEMENT | FONCTIONNEMENT | | | | | TOTAL |
|---|---|---|---|---|---|---|---|
| | | Personnel | Missions | Prestations de service | Autres dépenses | Frais généraux | |
| G.LAMANNA (LAPP) | 111827 | 118800 | 37000 | 17587 | 32244 | 10000 | 327458 |
| LPTA | 35878 | | 23000 | | 7035 | 2000 | 67913 |
| **Total** Les totaux obtenus doivent être identiques à ceux calculés par le logiciel de soumission. | 147705 | 118800 | 60000 | 17587 | 39279 | 12000 | **395371** |

One half of the POLAR-EM

The second half is supposed to be paid by Swiss partners:

*Mechanics*

*15 Hamamatsu H8500 multianode flat panel PMT*

*15 PM readout components*

*DSP Evaluation Kit + Universal Driver Software + 5 DSP electronic boards*

Mechanics: *A specific external support from qualified company is expected for milling and rectification*

# 2. POLAR – ANR

LAPP/FRENCH responsibilities:

**1. Mechanics @ LAPP**

2. Space Qualifications (@ ANNECY, MARSEILLE-LAM)

**3. Trigger development (logic and electronic project) @ LAPP + (…)**

4. Physics studies @ LAPP

# 3. POLAR – IRG - ERC

More recently CNRS invites researchers to apply to the **ERC** call for proposals

European Research Council

## ERC Grant Schemes

## Guide for Applicants

30 March 2007

The Guide is published by the ERC Scientific Council on http://erc.europa.eu.
It can also be downloaded from the CORDIS page on http://cordis.europa.eu

European Commission
FP7 Specific Programme IDEAS

SEVENTH FRAMEWORK PROGRAMME

### 1. What is the ERC?

The European Research Council (ERC) is a newly-created pan-European funding organisation, designed to support the best scientists, engineers and scholars in Europe.

The ERC's mandate is to encourage the highest quality research in Europe through competitive funding and to support investigator-initiated frontier research across all fields of research, on the basis of scientific excellence.

### 2. ERC Grant Schemes

*The Principal Investigator must have been awarded his/her first PhD (or equivalent doctoral degree)* ***more than 2 and less than 9 years*** *prior to the deadline of the call for proposals.*

#### 2.1.1 ERC Starting Independent Researcher Grant

The ERC Starting Independent Researcher Grant scheme (ERC Starting Grant) aims to provide adequate support to researchers at the stage at which they are intending to establish or are already leading an independent research team or, depending on the field, developing an independent research programme. Researchers applying for an ERC Starting Grant must be able to demonstrate their potential to perform world-class research.

ERC Starting Grants last up to five years and provide €100,000 to €400,000 of funding per year, amounting to a total of €0.5 to 2.0 million per grant.[12]

**European Research Council**

**ERC Starting Grant – Stage 1**
**Research proposal**

Wide Field Polarimeter for
Hard X-Rays from Gamma Ray Bursts
POLAR

Principal Investigator: Dr. Giovanni LAMANNA
Hosting Institution: CNRS
Project duration in months: 48
Grant = 942 kEur

Deadline 25th April (Stage 1)
16th September (Stage 2)

# 3. POLAR – IRG - ERC

At the first stage not many details on the planning while the funding estimate must be provided

The main idea is : EM (as in ANR) + FM (and flight)…
Funding equipment (partially as in ANR)
Funding team leader independence (1 Engineer + 1 Postdoc + 1 PhD student)
…

***Do you agree ?***
***Comments ?***

***THE END***