

**Frontiers in NP  
FINUPHY**

### **3 B. Instrumentation for RNB facilities (JYFL scientific co-ordinator)**

- **high efficiency detector systems of various types for gamma-ray and particle detection in combination with ion traps, isotope- and recoil separators. New types of signal processing and data acquisition systems will also be needed;**
- **RNB manipulation techniques: the ion traps and storage rings;**
- **production and investigation of exotic nuclei from projectile fragmentation.**

**The objective is to enhance co-operation between the existing European RTD projects (IHP/ARI/RTD and also others) involving aforementioned activities on instrumentation by organizing workshops and meetings.**

## **RTD projects / instrumentation**

### ***EU/IHP:***

**EURISOL - instrumentation - prolongation**

**EXOTAG - prolongation**

**R3B - final meeting in August 2002**

**Ion Catcher**

**TARGISOL**

**NIPNET**

**HITRAP**

### ***Others:***

**EXOGRAM**

**HENS**

**GREAT**

**RISING**

**AGATA**

# **ACTIVITIES / FINUPHY instrumentation**

Coordinator: Paul Greenlees January 1 - May 31, 2001

## **Instrumentation workshops and meetings supported by FINUPHY :**

EURISOL meeting in Jyväskylä , February 15, 2001

Workshop on Electron Spectroscopy Techniques with Tagging Devices in Jyväskylä, February 16-17, 2001  
( organized in collaboration with EXOTAG)

EXOGAM collaboration meeting in Paris, March 1, 2001

EXOTRAPs and EUROTRAPs collaboration meeting in Munich, March 3, 2001

Workshop on Antiprotonic and Muonic Atoms, ECT\* Trento, May 21-26, 2001

Workshop on Electronics and Data Acquisition developments for tagging experiments, Daresbury, October 18-19, 2001 ( in collaboration with EXOTAG )

Second EURISOL Town Meeting, Abano Term, Italy, January 24-25, 2002

Workshop on Nuclear physics using the RISING spectrometer at GSI, Paris, March 19-22, 2002

TRAP – Combined NIPNET, HITRAP, ION-CATCHER Collaboration Meeting, Groningen, May 23-25, 2002

AGATHA – Electronics and Data Acquisition Meeting ,

**FINANCING / FINUPHY instrumentation (in euro)**

	Total (4 years from 1.10.00)	Used (1.10. 00 – 2.10.02)
Personel	65.000	19.000
Travel and sub.	60.000	24.500