

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.

ACTIVITIES / FINUPHY instrumentation

Coordinator : Paul Greenlees

Instrumentation workshops and meetings supported by FINUPHY :

15

Workshop on Polarized Radioactive Beams and Polarized Targets
IREs, Strasbourg, France, March 6 – 7, 2003
28 attendees, 14 of them representing 5 partners (=ARI laboratories)

16

AGATA Week
Laboratori Nazionali di Legnaro, Italy, September 15 – 19, 2003
33 attendees, 16 of them representing 4 partners (=ARI laboratories)

17

Midwinter Workshop on Tagging Methods and Experiments
Department of Physics, University of Jyväskylä, Finland, January 16-17, 2004
49 attendees, 26 of them representing 5 partners (=ARI laboratories)

18

International Workshop on Physics with AGATA
LAL Orsay, France, March 22 – 24, 2004
120 attendees, 27 of them representing 6 partners (=ARI laboratories)

19

NIPNET Workshop on High-Precision Mass Measurements
April 18-20, 2004, Saariselkä, Finland

FINANCING / FINUPHY instrumentation (in euro)

	Budget	Used (1.10. 00 – 30.4.2004)
Personnel	65.000	47.163
Travel and sub.	60.000	50.719
Overhead	25.000	19.576
Total	150.000	117.458

RTD projects / instrumentation

EU/IHP- FP5:

EXOTAG - prolongation

Ion Catcher

TARGISOL

NIPNET

HITRAP

Others:

EXOGRAM

HENS

RISING

AGATA

New:

NuPECC committee for "Stable Ion Beam Facility"