

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.

ACTIVITIES / FINUPHY instrumentation

Coordinator: Paul Greenlees

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

AGATA – Electronics and Data Acquisition Meeting ,
Padova, Italy, Sept. 19-20, 2002

TARGISOL Winter Meeting
Simplon-Hospice, Switzerland, November 22-26, 2002

JuroGam – HENS meeting
Jyväskylä, Finland, November 22 – 23, 2002

Workshop on Future In-Beam Electron Spectroscopy
Bonn, Germany, January 23-24, 2003

AGATA – Local Level Processing (LLP) meeting
Liverpool, United Kingdom, February 24-25, 2003

FINANCING / FINUPHY instrumentation (in euro)

Total (4 years from 1.10.00) Used (1.10.00 – 31.1.2003)

Personnel 65.000 23.349

Travel and sub. 60.000 29.005