Mini - Workshop on ADS

Welcome and Introduction

Stefano Argirò

Rationale

INFN (Torino and Genova) participated to the proposal of Freya (Fast REactor Experiment for hYbrid Applications), the bleeding edge ADS experiment.

INFN would be responsible for

Task 2 : An experimental programme in support of the design and licensing of MYRRHA/FASTEF subcritical core.

Task 2.2: MYRRHA Subcritical Mock-up Characterisation *(Task leader: INFN)* Then, standard characterisation core measurements will be accomplished. These are axial and radial flux distributions, spectral indices, control rods worth measurements and minor actinide responses by fission chambers. Different fuel loading patterns according to the different steps in a reloading scheme will be analysed and characterised. The precise determination of flux gradients and subsequent hot temperature points is of importance.

This workshop was organized to try to understand how we can effectively contribute to the project

Freya Status

Evaluation

Scientific and technical excellence 4.0 /5
Quality end efficiency of the implementation 4.5 /5
Potential impact through development, dissemination and use of the results 4.0 /5

INFN resources (asked)

73 k € (1 postdoc for 2 years plus some travel)

Schedule

Awaiting formal acceptance
Autumn-winter 2010 : negotiations
Beginning 2011: start work ?

Meeting Agenda

09:30->*17:00* Contributions

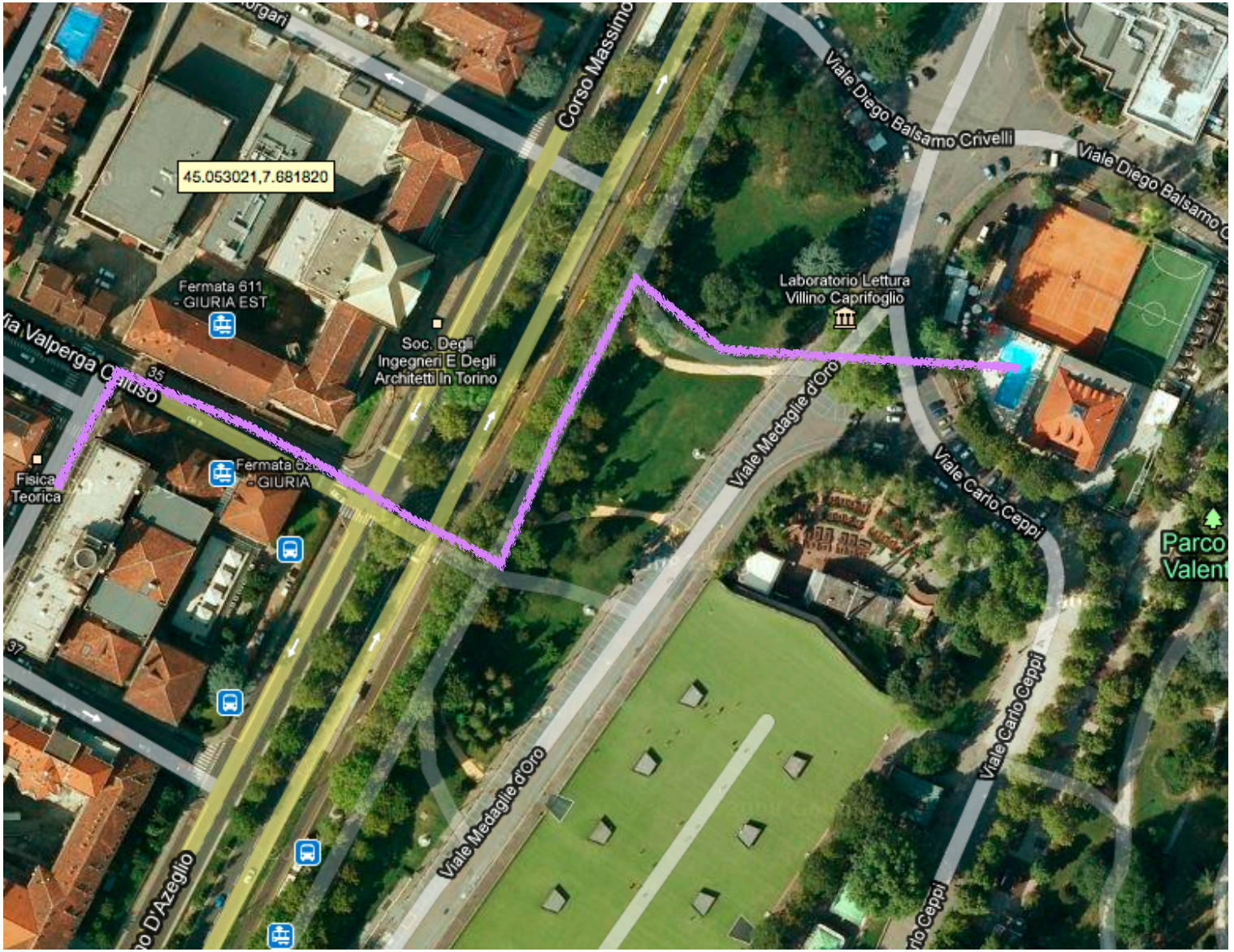
09:30	Introduction (15')	Stefano Argiro' (*TO*)
09:45	ADS projects from Muse to Freya (45')	Annick Billebaud
10:30	Neutron detectors for ADS experiments (45')	Sebastien Chabod
11:15	break (10')	
11:25	ADS data interpretation (45')	Sandra Dulla
12:10	Activities at LNL: Fiber neutron detectors and FARETRA (45')	Pasquale Boccaccio
12:55	Lunch (1h05')	
14:00	Roundtable (3h00') (Aula Wataghin)	

Lunch Break

Ristorante
"la Flèche"

Club scherma
Villa Glicini

Buffet 15 €



Thanks !

Thank you very much for coming, I wish you a proficient meeting and a nice stay !

PS: wireless available through INFN Trip