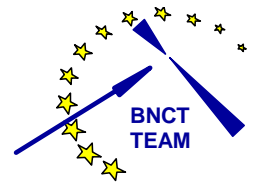




EUROPEAN COMMISSION
DIRECTORATE GENERAL JRC
JOINT RESEARCH CENTRE



The European BNCT Project



The
JRC's Enlargement and Integration Action (E&IA)
announces a Workshop on
“Requirements for BNCT at a Nuclear Research Reactor”

Prague
11/12 November 2005

Organisers:

Institute for Energy, JRC Petten, The Netherlands
University Hospital Essen, Germany
Nuclear Research Institute Rez, Czech Republic



R.L.Moss
15th August 2005

JRC Enlargement and Integration Action (E&IA)

Invitation to a Workshop

Dear Sir/Madam,

The future of nuclear research institutes will depend on their ability to open research programmes into new areas. One such area is medical applications, which present an interesting field that needs serious consideration. A dedicated and well-known topic is **Boron Neutron Capture Therapy (BNCT)**, which has been developed to an advanced state at some research reactor centres worldwide. The European Commission's Joint Research Centre has put considerable effort into development in this area. As well as supporting the development and exploitation of a BNCT facility at the JRC's High Flux Reactor in Petten, the Netherlands, the EC provided support for a European project and clinical trials at the HFR, coordinated by Prof. Wolfgang Sauerwein of the University Hospital Essen. Both institutes offer to make their experience available at this workshop, along with other highly experienced BNCT specialists from throughout Europe (see Agenda).

In this context, a Workshop is organized at the Hotel Expo in Prague on 10/11 November 2005 entitled:

Requirements for BNCT at a Nuclear Research Reactor

The workshop is supported by the European Commission's JRC Enlargement and Integration Action (E&IA), which is intended to improve exchange and relationships for the New Member States and Candidate Countries.

This letter of invitation is being sent to all the existing nuclear research reactor centres in the New Member States and Candidate Countries, as well as some selected centres in the pre-enlargement member states, where there may be an interest to develop BNCT. The workshop will outline all the requirements needed to set-up a BNCT project at a research reactor, with the objective to provide the basic, pre-requisite information.

Each participating institute should be prepared to present their interest in BNCT and the status of preparations, if existing.

We will be able to cover travel costs (economy), hotel accommodation and workshop meals in Prague for **1 participant per institute**. Depending on the number of participants, it may be possible to support one additional representative. In such a case, priority will be given to the medical partners, who are interested to support the medical activity at your centre. Additional participants are welcome at their own costs. There are no registration fees for attendance.

Please let us know soon, if you see any possibility to participate or whether you are aware of other interested groups in your institute or other institutes in your country, which may have an interest to attend the Workshop. Please complete the enclosed registration form if you intend to participate.

If you need any further information, please do not hesitate to contact me by email <raymond.moss@jrc.nl> or also, if need be, Prof. Sauerwein at <w.sauerwein@uni-essen.de>.

Best regards



Ray Moss
JRC Petten



JRC Enlargement and Integration Action (E&IA)

“Requirements for BNCT at a Nuclear Research Reactor”

11-12 November 2005
Hotel EXPO, Prague

Programme

Friday 11th November 2005

09:30	Welcome	
	JRC's Enlargement & Integration Action	Ray Moss
	Welcome to Prague	Jan Kysela
	Objective of the Workshop	Ray Moss
09:45	Brief Introduction of each Participant	All
10:15	Treatment of a Patient by BNCT	Andrea Wittig
10:35	Organisational and Regulatory Affairs	
	Organisation	Wolfgang Sauerwein
	Regulatory Affairs	Wolfgang Sauerwein
	Quality Management	Ray Moss
	Medical Physics	Per Munck af Rosenschöld
11:50	Coffee break	
12:15	Experience with BNCT from the “Reactor's” perspective	
	Epithermal beam for external beam irradiation	Ray Moss
	BNCT irradiation facility at Rez	Jiri Burian
	Thermal column for irradiation of explanted organs	Saverio Altieri
	Important Physics: Dosimetry and Prompt Gamma Ray Analysis	Ray Moss
		Finn Stecher-Rasmussen
13:30	Lunch	
14:45	BNCT from the Radiation Oncologist's Perspective	
	Pre-clinical studies	John Hopewell
	Clinical trials	Andrea Wittig
	Clinical experience	*Luca Cionini
	Patient care	Kati Hideghéty *to be confirmed
16:00	Coffee break	
16:30 – 18:30	Working Groups Session	Chairman
	A. How to build up an irradiation facility for BNCT	Ray Moss
	B. How to create and organize a BNCT programme	Wolfgang Sauerwein
19:30	Friday Evening Workshop Dinner	

Saturday, 12th November 2005

09:00 Introductory Comments by the Chairmen on Results of Working Groups

09:20	Presentations on each (reactor) facility by appointed participant(s), with description of future plans based on Working Group results
10:30	Coffee break
11:00	Continuation of Presentations/Discussion
12:30	Closing comments
13:00	Lunch
15:00	Visit to BNCT Facility at the Reactor Centre Rez (optional)

Faculty

Saverio Altieri	Physicist at the University of Pavia's TRIGA reactor, where the first extra-corporal treatment of liver cancer by BNCT took place in 2000
Jiri Burian	Physicist responsible for the BNCT project at the Nuclear Research Institute, Rez
Luca Cionini	Director of Oncology at University of Pisa, and coordinator of the Italian BNCT research programme, Chairman of the EORTC BNCT Group
Kati Hideghéty	Radiation Oncologist at University of Szeged, Hungary, and responsible radiation oncologist at Petten for the clinical trial on BNCT treatment of glioblastoma
John Hopewell	Consultant Radiobiologist in the Department of Clinical Oncology, The Churchill Hospital of the University of Oxford, UK, involved in BNCT research for over 2 decades
Jan Kysela	Director of Reactor Service Division of the Nuclear Research Institute, Rez plc, CZ
Ray Moss	Scientist responsible for the development and exploitation of BNCT at the High Flux Reactor, JRC Petten, Secretary of the ISNCT since 2000.
Per Munck af Rosenschöld	Medical Physicist at University of Lund, Sweden – responsible for medical physics for BNCT at Studsvik
Finn Stecher-Rasmussen	Physicist, with almost 2 decades experience in BNCT physics and responsible for the nuclear physics aspect of BNCT at the HFR Petten, CEO of NCT Physics (NL)
Wolfgang Sauerwein	Radiation-oncologist, Coordinator of the EU Project on BNCT, President of the ISNCT 2000-2002
Andrea Wittig	Radiation-oncologist, study coordinator for EORTC Trial 11011

ISNCT = International Society for Neutron Capture Therapy

EORTC = European Organisation for Research and Treatment of Cancer

Organising Committee

Dr. R.L.Moss, Institute for Energy, JRC Petten, Netherlands (raymond.moss@jrc.nl)

Dr. J. Burian, Nuclear Research Institute Rez, Czech Republic (bri@ujv.cz)

Prof. Dr. med. W.Sauerwein, University Hospital Essen, Germany (w.sauerwein@uni-essen.de)



JRC Enlargement and Integration Action (E&IA)

“Requirements for BNCT at a Nuclear Research Reactor”

General Information

Date

The workshop will be held on 11/12 November 2005 in Prague (Czech Republic).

Registration

Registration form

The attached registration form has to be used for registration of all participants. Please complete and return the form no later than October 1st.

1. **E-mail**

Please submit your registration to raymond.moss@jrc.nl or

2. **Fax**

(+31) 224 565615

Venue

The workshop takes place at the Hotel EXPO in Prague

The hotel is located approx. 300 m from the metro station *Nádraží Holešovice* (Line C), see maps, as well as close to stops for trams 5, 12 and 17.

Hotel Address:

Za Elektrarnou 3
Vystaviste
170 00 Praha 7
Czech Republic



Tel: (+420) 2-66712470

Fax: (+420) 2-66712469

e-mail: hotel@expoprag.cz

Directions from Airport to Hotel

As you get off your flight in Prague, you will have several options of reaching your destination:

1) Bus

The airport in Prague is serviced by two buses: no. 119 and no. 100. Taking the bus is the cheapest way to get to and from the airport. One ticket costs 20 Kč (transfer ticket) or you can pay the bus driver directly (the ticket may cost a little more). 1 Euro = 30 Kč

Bus 119 runs between Ruzyně (Prague) airport and Dejvická metro station (line A). Connections run every 7 to 20 minutes and the ride takes 20 minutes. For Hotel Expo, change at *Muzeum* and take metro line C to *Nádraží Holešovice*.

Bus 100 runs between the Ruzyně airport and the Zličín metro station (line B). For Hotel Expo, change at *Florenc* and take metro line C to *Nádraží Holešovice*. The service runs every 15 minutes during the day and every 30 minutes after 7 p.m. and the ride takes 15 minutes.

2) ČEDAZ Airport transfer service (direct to centre)

If you have a lot of luggage or are travelling as a group, using the Prague airport transfer service by ČEDAZ may be a better option than the bus. The white vans leave from just outside the Arrivals terminal. The drivers are courteous and speak English. The vans run every 30 minutes from 5:30 a.m. to 9:30 p.m. from the airport to Dejvická (metro line A) and Náměstí Republiky (metro line B), and back. The cost is 90 Kč per person, with one piece of luggage. For 360 Kč (1-4 passengers) or 720 Kč (5-8 passengers), you can be taken directly to your hotel or any other destination in Prague.

3) Taxi

Taking a taxi is probably the most convenient way to get to your destination, but also the most expensive and **with the most potential for you to get ripped off and have a bad experience** (direct quote from the Czech travel bureau). A ride from Prague airport to a destination in the centre should cost around 600 Kč.

Projection Facilities at the Hotel

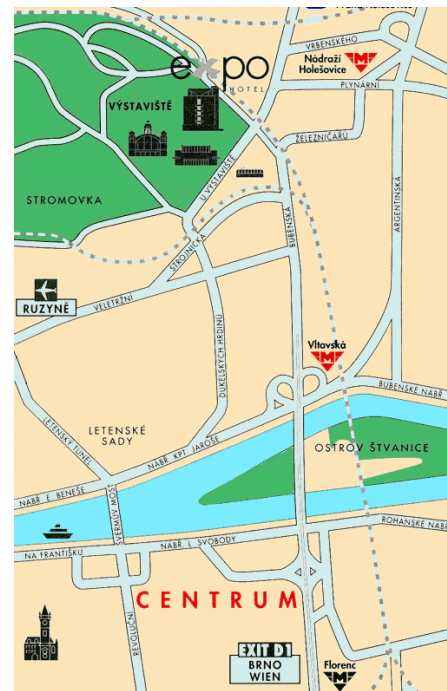
LCD data-projection is available.

Please bring your presentation, or other useful information about your institute or reactor facility, as PowerPoint file on CD or memory stick.

Contact Address

Dr. Raymond Moss
European Commission
Joint Research Centre
PO Box 2
1755 ZG Petten
The Netherlands
Phone: (+31) 22456 5126
Fax: (+31) 22456 5615

e-mail: Raymond.moss@jrc.nl



Re-imbursement

Reimbursement of travel costs and hotel costs are foreseen for 1 participant per institute. Workshop lunches and dinner will be provided by the organisers for all participants. A 3-day public transport ticket (train, tram and metro) within Prague city will also be provided.



Prague – metro/tram



JRC Enlargement and Integration Action (E&IA)

“Requirements for BNCT at a Nuclear Research Reactor”

Registration Form

Please fill in one form per participant and send it to Dr. Moss
by fax: (+31) 224 565615 or by e-mail <raymond.moss@jrc.nl>

Mr. Ms. Title

First name..... Family Name.....

Name of Institution/department

Street

Post Code

City

Country

e-mail address

Phone

Fax

Date of arrival

- November 10 late arrival (please specify if applicable)
 November 11

Date of departure

- November 12
 November 13

I intend to participate at

- Lunch on Friday November 11
 Workshop Dinner Friday evening, November 11
 Lunch on Saturday November 12
 Visit to the BNCT facility at the Research Institute, Rez, Saturday afternoon,
November 12
 any dietary requirements (e.g. vegetarian, no pork, no sugar, etc.) – please
state

If you wish to participate at the visit to the Rez Reactor on Saturday afternoon, please
inform Jiri Burian <bri@ujv.cz>