First ISNCT Newsletter

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Newsletter #1/2020

We congratulate for launching to all the ISNCT members the first issue of the newsletter of the society.

The aim is to provide a place to communicate between us any news, announcements, achievements, and queries to the BNCT community.

Please feel free to send us any news that you would like to be published in this newsletter, to the e-mail:

Please send us a short text and you can attach also a photo.

The Executive Board of the Society (while we decide a specific committee) will act as the Editorial Committee for approving the final version of the newsletter.

FORTHCOMING MEETING AT IAEA

IAEA
International Atomic Energy Agency
Atoms for Peace and Development

Technical Meeting on Advances in Boron Neutron Capture Therapy

IAEA Headquarters

Vienna, Austria

27–30 July 2020

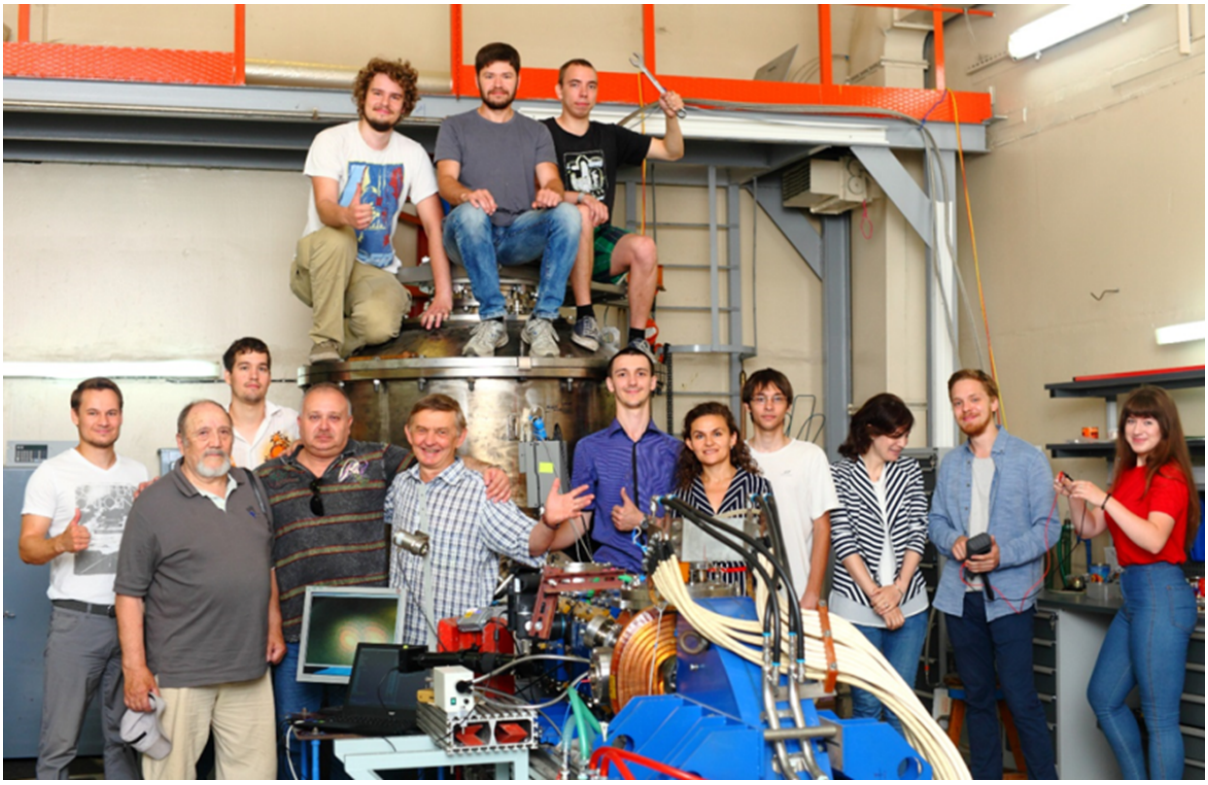
Ref. No.: EVT1905174

Technical meeting on BNCT, July 27-30, Vienna

The Secretariat of the International Atomic Energy Agency (IAEA) presents its compliments to the IAEA's Member States and announces the Technical Meeting on Advances in Boron Neutron Capture Therapy to be held at the IAEA's Headquarters in Vienna, Austria, from 27 to 30 July 2020. The purpose of the event is to assess the current status of the boron neutron capture therapy technique with emphasis on usage of compact accelerator based intense neutron sources. The event also aims to contribute to the update of IAEA-TECDOC-1223.

Info about the event will be displayed at https://www.iaea.org/events/evt1905174

GRANT FOR BNCT ACTIVITIES AT NOVOSIBIRSK



Prof. Taskaev’s group obtain a grant for 4 years

In 2019, the Novosibirsk BNCT team won a large grant from the Russian Science Foundation for 4 years of research, with a possible extension for another 3 years if successfully implemented. The aim of the work is to prepare a “handmade” facility at the Budker Institute of Nuclear Physics (Novosibirsk, Russia) for conducting therapy and to conduct BNCT in 2022. The handmade facility consists of: i) a new type of charged particle accelerator - a Vacuum Insulation Tandem Accelerator (VITA) to obtain 2.3 MeV 10 mA proton beam, ii) a lithium target resistant to radiation blistering to generate neutrons for a long time without degrading the yield, and iii) a neutron Beam Shaping Assembly. The previous grant of the Russian Science Foundation for 3 + 2 years allowed creating a BNCT Laboratory, increasing the proton beam current in the accelerator from 1 to 9 mA, together with the Okinawa Institute of Science and Technology to study in detail the blistering of metals during proton implantation, together with the University of Tsukuba to conduct successful experiments with cell cultures and cure mice with an grafted human glioblastoma. For the successful implementation of the current grant, the Novosibirsk team is counting on the help of the BNCT community.

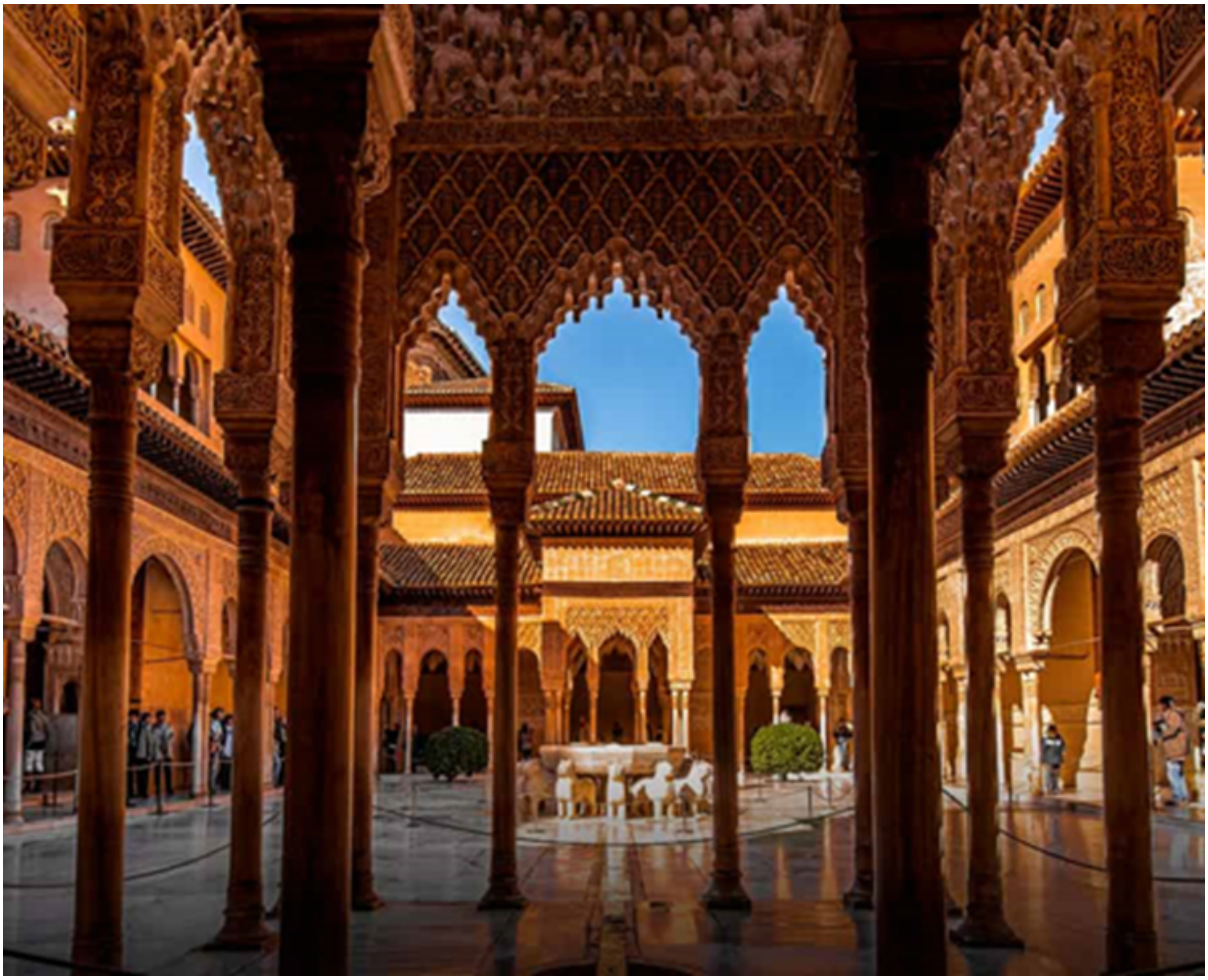
IAEA CONSULTANT MEETING HOLD IN 2019

IAEA supports Boron Neutron Capture Therapy

The International Atomic Energy Agency (IAEA) of the United Nations held, from October 28 to November 1, 2019 a Consultant Meeting at its headquarters in Vienna. Colleagues from Finland, Japan, Italy, Argentina, Germany, Indonesia and Spain participated in this meeting with the IAEA officials, and a future Technical Meeting will be organized to prepare the Technical Document for future facilities.

In the words of the directors of the Nuclear Sciences and Applications and Human Health divisions, BNCT is a real hope for tumors for which there is no other type of effective treatment, and they have offered explicit support for their development and for funding projects of international collaboration.

ICNCT 19 IN GRANADA, SPAIN



13th to 18th September, 2020- Website opened

Abstract submission will be opened all the month of March, 2020. Registration at reduced price will be possible until end of May.

Conference website: www.icnct19.org