



Sunday, October 28, 2018

CHANG YUNG-FA FOUNDATION International Convention Center

12:30-13:30	Executive Board Meeting	R 1006
13:30-15:00	Board of Councilors Meeting	R 1006
15:10-17:40	Training Course	R 1003
15:10-15:40	Invasion, Metastasis and Tumor Angiogenesis Rolf Barth , Department of Pathology, Ohio State University, Columbus, Ohio, USA	
15:40-16:10	Consideration on the effect of heterogeneous distribution of boron drug in tumor tissue on final tumor control by BNCT Koji Ono , Osaka Medical College / Kansai BNCT Medical Center, Japan	
16:10-16:40	Coffee Break	
16:40-17:10	Optimization of drug delivery and therapeutic effects based on the knowledge of BNCT radiobiology Amanda E. Schwint , Department of Radiobiology, National Atomic Energy Commission, Argentina	
17:10-17:40	PHYSICS / Neutron Source Hiroaki Kumada , University of Tsukuba, Faculty of Medicine, Japan	
18:00-20:00	Welcome Reception	B1



Monday, October 29, 2018

CHANG YUNG-FA FOUNDATION International Convention Center

08:50-09:20	Opening Ceremony	R 1101
09:20-10:50	Hatanaka Award Lecture	R 1101
10:50-11:10	Coffee Break	
11:10-12:30	Invited Lecture	R 1101
11:10-11:30	<p>Current status of i-BNCT project at Tsukuba & Tokai Akira Matsumura, Department of Neurosurgery, University of Tsukuba, Japan</p>	
11:30-11:50	<p>BNCT in Finland Leena Kankaanranta, HUCH, Helsinki University Central Hospital, Finland Comprehensive Cancer Center Departments of Oncology and Radiation Therapy, Finland</p>	
11:50-12:10	<p>Comparison of the BPA-BNCT for unresectable liver metastases at KUR and at Triga Mark II Minoru Suzuki, Institute for Integrated Radiation and Nuclear Science, Kyoto University / Particle Radiation Oncology Research Center, Japan</p>	
12:10-12:30	<p>Albumin-Based Boron Delivery to Tumor Hiroyuki Nakamura, Laboratory for Chemistry and Life Science (CLS), Institute of Innovative Research, Tokyo Institute of Technology, Japan</p>	
12:30-13:30	Luncheon Seminar	R1001
<p>Research and Development of Boron Drugs for BNCT by Industry-University Collaboration in Japan. STELLA PHARMA</p>		
13:30-14:30	Plenary Lecture	R1001
13:30-13:45	<p>Accelerator-based BNCT at Southern TOHOKU general hospital--The world's first BNCT Hospital--Roadmap to Pharmaceutical Affairs Regulatory Approval Yoshihiro Takai, Southern TOHOKU BNCT research center, Japan</p>	



13:45-14:00	<p>Successful result in Overall Survival from Phase II Clinical Study of BNCT with XRT/TMZ in Patients with Newly Diagnosed Glioblastoma</p> <p>Shinji Kawabata, Osaka Medical College / Neurosurgery, Japan</p>
14:00-14:15	<p>Biodistribution studies of boronophenylalanine-fructose complex in different types of skin melanoma</p> <p>Zi-zhu Zhang, Beijing Nuclear Industry Hospital/Nuclear Medicine Department Beijing Capture Technology Limited Co./ Research and Development Department, China</p>
14:15-14:30	<p>Boron neutron capture therapy (BNCT) combined with image-guided intensity modulated radiotherapy (IG-IMRT) for treatment of recurrent Head & Neck cancer</p> <p>Ling-Wei Wang, Taipei Veterans General Hospital/Department of oncology, Taiwan</p>

14:40-15:40	Parallel Session	R1001, R1002, R1003
Clinical matters		R1001
14:40	<p>Salvage Boron Neutron Capture Therapy (BNCT), Treatment Experiences of Recurrent Malignant Brain Tumors in Taiwan</p> <p>Tien-Li Lan, Division of Radiotherapy, Department of Oncology, Taipei Veterans General Hospital, Taipei City, Taiwan</p>	
14:52	<p>Results of phase 1 clinical trial of accelerator-based BNCT for recurrent malignant gliomas</p> <p>Shin-Ichi Miyatake, Cancer Center, Osaka Medical College, Japan</p>	
15:04	<p>BNCT for Head and Neck Cancer : Summary of reactor irradiation.</p> <p>Teruhito Aihara, Kansai BNCT Medical Center, Osaka Medical College, Takatsuki, Japan</p>	
15:16	<p>Defining the molecular characteristics of boron compounds proposes the concept of precision medicine in BNCT field</p> <p>Seiji Yasui, Neutron Therapy Research Center, Okayama University, Japan</p>	
15:28	<p>Comparison between SUVmax, TNR, and TBR in 18F-BPA PET. Which index is correlated best with 18FDG uptake?</p> <p>Hiroshi Igaki, Department of Radiation Oncology, National Cancer Center Hospital, Tokyo, Japan</p>	



Boron determination & Imaging technology	R1002
14:40 A virtual neutron anti-scatter grid for future Cd(Zn)Te based BNCT-SPECT systems Alexander Winkler , Helsinki Institute of Physics, University of Helsinki, Finland	
14:52 Boron analysis and imaging of 2hr-BPA-exposed cells by using micro proton particle induced gamma-ray emission (PIGE). Kei Nakai , Ibaraki prefectural University of Health Sciences, Ibaraki, Japan	
15:04 Neutron autoradiography combined with UV-C sensitization: towards intracellular localization of boron Agustina Portu , National Atomic Energy Commission (CNEA), Argentina	
15:16 Neutron autoradiography approaches to study microdistribution of boron compounds in a diffuse lung metastases experimental model Agustina Portu , National Atomic Energy Commission (CNEA), Argentina	
15:28 Single Cell ICP-MS: Quantification of Metal Content in Individual Cells - An Insight into Cancer Treatment Chady Stephan , PerkinElmer Canada, Ontario, Canada	
Chemistry & Pharmacology	R1003
14:40 Metabolism-controlled boron delivery systems composed of p-boronophenylalanine and poly(vinyl alcohol) Takahiro Nomoto , Laboratory for Chemistry and Life Science, Institute of Innovative Research, Tokyo Institute of Technology, Yokohama, Japan	
14:52 Preclinical study on boron neutron capture therapy for bone metastasis with human breast cancer cell lines Tooru Andoh , Faculty of Pharmaceutical Sciences and Cooperative Research Center of Life Sciences, Kobe Gakuin University, Kobe, Japan	
15:04 Synthesis and radiolabelling (¹²⁴I) of multifunctionalised gold nanorods (AuNRs) as boron drug delivery agents using a pretargeting strategy based on bioorthogonal 'click reaction' with application in Boron Neutron Capture Therapy. Irene V. J. Feiner , Radiochemistry and Nuclear Imaging, CIC biomaGUNE, San Sebastian, Spain	



15:16		<p>Enhanced tumor-targeted delivery of p-boronophenylalanine using fructose-functionalized polymers for boron neutron capture therapy</p> <p>Ying Yao, Laboratory for Chemistry and Life Science, Institute of Innovative Research, Tokyo Institute of Technology, Yokohama, Japan</p>
15:40-16:00	Coffee Break	R1010
16:00-18:00	Parallel Session	R1001, R1002, R1003
Physics & Engineering		R1001
16:00		<p>Accelerator Neutron Source for in-vitro and in-vivo BNCT studies</p> <p>Sergey Taskaev, Budker Institute of Nuclear Physics, Russia</p>
16:12		<p>In Situ Observations of Blistering of a Metal Irradiated with 2-MeV Protons</p> <p>Sergey Taskaev, Budker Institute of Nuclear Physics, Russia</p>
16:24		<p>A real-time neutron monitor for BNCT</p> <p>Kiyotaka Akabori, Sumitomo Heavy Industries, Ltd., Japan</p>
16:36		<p>Development of the accelerator based Boron Neutron Capture Therapy system for cancer treatment within 1-hour therapeutic time</p> <p>D.S. Kim, Department of pulse and accelerator, Dawonsys, Gyeonggi-do, Korea</p>
16:48		<p>Development and experimental verification of a liquid moderator based neutron spectrometer</p> <p>Shingo Tamaki, Graduate school of Engineering, Osaka University, Japan</p>
17:00		<p>Monte Carlo Simulation and Experimental Characterization of Tissue Equivalent Proportional Counter (TEPC) for Neutron Dosimetry</p> <p>Justin Malimban, Program in Biomedical Radiation Sciences, Department of Transdisciplinary Studies, Graduate School of Convergence Science and Technology, Seoul National University, Seoul, Korea</p>
17:12		<p>Study of the role of neutron induced nuclear reactions on chlorine in healthy tissue dosimetric calculations for BNCT. Measurement of their cross sections at n_TOF (CERN).</p> <p>Francisco Ogallar, University of Granada, Spain</p>



17:24	Evaluation of silicon based microdosimetry for boron neutron capture therapy Quality Assurance using fast neutron beams James Vohradsky , Centre for Medical Radiation Physics, University of Wollongong, Australia
17:36	Uncertainties in the absorbed dose determination in irradiations with epithermal neutrons due to the dependence of neutron transport on shape and size of the exposed volume Grazia Gambarini , Department of Physics, University of Milan, Milan, Italy
17:48	Commissioning of The Nubeam BNCT Neutron Source at Helsinki University Hospital Cancer Center Liisa Porra , Comprehensive Cancer Center, Helsinki University Hospital, Helsinki, Finland
Physics & Engineering R1002	
16:00	Beam characteristics and in phantom dosimetry for accelerator-based boron neutron capture therapy: Comparative study of Monte Carlo simulations using Geant4 and MCNP6 Hyegang Chang , Program in Biomedical Radiation Sciences, Department of Transdisciplinary Studies, Graduate School of Convergence Science and Technology, Seoul National University, Seoul, Korea
16:12	Development status of BNCT Treatment Planning System: SACRA planning Tetsuya Mukawa , Sumitomo Heavy Industries Ltd., Japan
16:24	Neutron beam quality measurement of accelerator-based neutron source using microdosimetric technique Naonori Hu , Graduate School of Engineering, Kyoto University, Kyoto, Japan
16:36	Characterization Study of Boron-10 Doped Nanodiamonds Made by Ion Implantation Bo-Rong Lin , Institute of Electronics, National Chiao Tung University, Hsinchu, Taiwan
16:48	A New Boron Delivery Agent: Boron-10 Doped Nanodiamonds Made by Ion Implantation Tzung-Yuang Chen , Health Physics Division, Nuclear Science and Technology Development Center, National Tsing Hua University, Hsinchu, Taiwan
17:00	BNCT Research Facility at Maria Reactor (NCBJ, Poland) – Numerical Models and First Measurements Katarzyna Tyminska , National Centre for Nuclear Research, Otwock, Poland



17:12	Verification for dose estimation performance of a Monte-Carlo based treatment planning system in University of Tsukuba Hiroaki Kumada , University of Tsukuba, Faculty of Medicine, Japan
17:24	Development of a novel patient setting & real-time monitoring system using motion capture technology for boron neutron capture therapy Hiroaki Kumada , University of Tsukuba, Faculty of Medicine, Japan
17:36	Effect of fast neutron and gamma-ray ratios on a dose distribution in a water phantom Yoshiaki Kiyonagi , Research Laboratory of Accelerator-based BNCT system, Graduate School of Engineering, Nagoya University, Nagoya, Japan
17:48	Radiation quality dependence of polymer gel dosimeters in therapeutic neutron irradiation field Ryohei Uchida , Graduate School of Engineering, Kyoto University, Kyoto, Japan
Miscellaneous	R1003
16:00	A practical handling of the limitation of absorbed dose in BNCT Tooru Kobayashi , K2BNCT Science & Engineering Laboratory Co. Ltd, Japan
16:12	Development of Proton Linear Accelerator based Boron Neutron Capture Therapy System in Republic of Korea Hyo Jung Seo , Department of R & D, Dawonmedax, Seoul, Korea
16:24	Cherenkov radiation and its application in Boron Neutron Capture Therapy Diyun Shu , Department of Nuclear Science and Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing, China
16:36	Strategies for consistently assessing the response of radiochromic film using flatbed scanners Xudong Zhang , Department of Nuclear Science and Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing, China
16:48	Current Status of BNCT Clinical Trials in Japan SHIN Masui , Sumitomo Heavy Industries, Ltd., Industrial Equipment Division, Tokyo, Japan



17:00

Preparation of Water-in-Oil-in-Water Emulsion as Drug Delivery System Using Mixing Medical Device for Neutron Capture Therapy

Hironobu Yanagie, Research Institute of Healthy Living, Niigata University of Pharmacy & Applied Life Sciences, Niigata, Japan

17:12

Development of remote-changeable Bonner sphere spectrometer

Sadaaki Shirashi, Graduate School of Engineering, Kyoto University, Kyoto, Japan

17:36

Reactor Laboratory for Biomedical Research in The National Centre for Nuclear Research, Poland

Edyta Michas, National Centre for Nuclear Research, Poland

17:48

The overview and prospects of BNCT facility at Tsing Hua Open-pool Reactor

Shiang-Huei Jiang, Institute of Nuclear Engineering and Science, National Tsing Hua University, Taiwan



Tuesday, October 30, 2018

CHANG YUNG-FA FOUNDATION International Convention Center

09:00-10:40	Invited Lecture	R 1001
09:00-09:20	<p>Translational Radiobiological BNCT Studies for the Treatment of Head and Neck Cancer, Liver and Lung Metastases, Rheumatoid Arthritis and Induction of Abscopal Effect: A Bench to Bedside Approach</p> <p>Amanda E. Schwint, Department of Radiobiology, National Atomic Energy Commission, Argentina</p>	
09:20-09:40	<p>A realistic appraisal of boron neutron capture therapy as a cancer treatment modality</p> <p>Rolf Barth, Department of Pathology, Ohio State University, Columbus, Ohio, USA</p>	
09:40-10:00	<p>Dosimetry assessment in patients using a neutron beam based on RFQ accelerator for future installation in a hadrontherapy centre.</p> <p>Silva Bortolussi, Department of Physics, University of Pavia and INFN, Unit of Pavia, Italy</p>	
10:00-10:20	<p>Neutron induced charged particles spectrometry for Boron concentration measurement</p> <p>Saverio Altieri, Physics Department, Pavia University, Italy</p>	
10:20-10:40	<p>A Retrospective Analysis of Dose Responses after Boron Neutron Capture Therapy for Locally Recurrent Head and Neck Squamous Cell Carcinoma</p> <p>Hanna Koivunoro, Neutron Therapeutics Inc., Finland</p>	
10:40-11:00	Coffee Break	R 1010
11:00-12:00	Invited Lecture	R 1001
11:00-11:20	<p>Macro- and microdosimetry for BNCT based on PHITS</p> <p>Tatsuhiko Sato, Japan Atomic Energy Agency, Nuclear Science and Engineering Center, Japan</p>	
11:20-11:40	<p>Status of Accelerator-Based BNCT worldwide and in Argentina</p> <p>Andres J. Kreiner, CNEA. National Atomic Energy Commission of Argentina</p>	
11:40-12:00	<p>Carbon or Boron: Does it matter in BNCT drugs?</p> <p>Detlef Gabel, Jacobs University Bremen/ Life Sciences and Health, Germany</p>	



12:00-12:30	Plenary Lecture	R1001
12:00-12:15	Development of thermal neutron irradiation port for cells and small animals using 20MeV cyclotron and beryllium target Hiroki Tanaka , Institute for Integrated Radiation and Nuclear Science, Kyoto University, Japan	
12:15-12:30	The history of the development of reactor-based neutron source for BNCT Yoshinori Sakurai , Institute for Integrated Radiation and Nuclear Science, Kyoto University, Japan	

12:30-13:30	Luncheon Seminar	R1001
Neutron Therapeutics Lunch Symposium Neutron Therapeutics, Inc.		

13:30-15:00	Poster Viewing & Presentation	R1010
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Poster Group I (Clinical matters / Boron determination & Imaging technology)		
13:30	Reirradiation of Locally Recurrent Head and Neck Cancer with BNCT or Proton Therapy: a Systematic Review Chi-Shuo Lin , Taipei Veterans General Hospital, Taiwan	
13:36	Recycling 10B-enriched Boronophenylalanine in Urine of Patients with Recurrent Brain Tumor Nai-Chun Huang , Institute of Biomedical Engineering and Nanomedicine, National Health Research Institutes, Miaoli, Taiwan	
13:42	Boron neutron capture therapy in 45 patients with recurrent head and neck cancers who have no other treatment options. Itsuro Kato , Department of Oral and Maxillofacial Surgery II, Osaka University, Graduate School of Dentistry, Osaka, Japan	
13:48	Evaluation of the impact on a change of patient's posture from preplan with diagnostic images to treatment position in boron neutron capture therapy Tomoaki Motoyanagi , Southern Tohoku BNCT Research Center, Koriyama, Japan	



13:54	Design of collimator for T/N-SPECT for BNCT Saki Shibata , Division of Sustainable Energy and Environmental Engineering, Graduate School of Engineering Osaka University, Japan
14:00	The specific retention of boric acid in liver tumor for BNCT in a single liver tumor-bearing rat and a multifocal liver tumor-bearing rabbit models Y. C. Lin , Nuclear Science and Technology Development Center, National Tsing Hua University, Hsinchu, Taiwan
14:06	Simulations of an imaging system based on a CZT photon detector for a future BNCT-SPECT. Setareh Fatemi , National Institute of Nuclear Physics INFN, Unit of Pavia, Pavia, Italy
14:12	Preliminary performance studies of a CZT photon detector using a highly thermalized neutron beam. Nicoletta Protti , National Centre for Nuclear Research, Italy
14:18	High performance 3D CZT spectro-imager for BNCT-SPECT: preliminary characterization. Nicoletta Protti , National Centre for Nuclear Research, Italy
14:24	Feasibility study of using IRT-T research reactor for BNCT applications Mikhail Anikin , National Research Tomsk Polytechnic University, Russia
14:30	Data processing automatization and improvements of D-Pace OWS-30 wire scanner Timofey Bykov , Budker Institute of Nuclear Physics, Novosibirsk, Russia
14:36	Visualization of a negative hydrogen ions beam in a vacuum insulation tandem accelerator Timofey Bykov , Budker Institute of Nuclear Physics, Novosibirsk, Russia
14:42	Optimization of the beam shaping assembly and local protection of the accelerator source of epithermal neutrons Tatiana Sycheva , Budker Institute of Nuclear Physics, Novosibirsk, Russia
14:48	PGNAA facility at RA-3: numerical approach towards first measurements of biological samples for BNCT Lucas Provenzano , National Atomic Energy Commission (CNEA), Argentina



Poster Group II (Physics & Engineering)	
13:30	Study of the potential application of low energy neutrons from neutron guides to BNCT radiosurgery Pablo Torres , Universidad de Granada, Spain
13:36	Neutron control method for an accelerator-based BNCT system with a solid-state Li target Satoshi Nakamura , Department of Radiation Oncology, National Cancer Center Hospital, Tokyo, Japan
13:42	A High Flux Thermal Neutron Source for Small Animal Models for the Development of Drugs for Boron Delivery to Cancer Sites Melvin Piestrup , Adelphi Technology, USA
13:48	Neutron Beams Optimization of Nuclear Medical Ship Yizheng Chong , China Zhongyuan Engineering Corporation, China
13:54	Calculation of the response matrix of a PMMA cylindrical neutron spectrometer in consideration of angle distribution Kentaro Baba , Graduate School of Biomedical Science and Engineering, Hokkaido University, Sapporo, Japan
14:00	Investigation of ^{124}Sb-Be neutron source for BNCT. Yoshinori Sakurai , Kyoto University, Japan
14:06	Investigation of beam component monitor for BNCT using gel detector Yoshinori Sakurai , Kyoto University, Japan
14:12	Design of a model for BSA to meet free beam parameters for a 3.5 MeV linear accelerator Kuo-Wei Lee , HEC Pharm Co., Ltd., China
14:18	Development of a treatment planning system for BNCT Kuo-Wei Lee , HEC Pharm Co., Ltd., China
14:24	Quality assurance of an accelerator-based boron neutron capture therapy system: Dosimetric and mechanical aspects based on initial experience Takahiro Kato , Southern Tohoku BNCT Research Center, Japan



14:30	Evaluation of a newly developed water-equivalent bolus technique in accelerator-based boron neutron capture therapy for skin tumors Kazuhiro Arai , Southern Tohoku BNCT Research Center, Koriyama, Japan
14:36	Development of Thermal Neutron Moderator for Testing Boron Agents for Boron Neutron Capture Therapy (BNCT) Go Ichikawa , Department of Physics, Graduate School of Science, Nagoya University, Nagoya, Japan
14:42	Patient-Position Monitoring System for BNCT Irradiation Takushi Takata , Institute for Integrated Radiation and Nuclear Science, Kyoto University, Japan
Poster Group III (Radiation biology / Chemistry & Pharmacology)	
13:30	Folate-modified cyclodextrin improves the intratumoral accumulation of existing boron compounds. Yoshitaka Matsumoto , Faculty of Medicine, University of Tsukuba, Tsukuba, Japan
13:36	The role of GM-CSF during early cellular responses after BNCR and gamma irradiation Lichao Chen , Division of Cell Signaling, Research Institute, and Division of Boron Neutron Capture Therapy, EPOC, National Cancer Center, Tokyo, Japan
13:42	¹⁸⁸Re-liposome, a high energy beta-particle radiopharmaceutical shows enhanced efficacy on suppression of head and neck squamous cell carcinoma progression by repeated doses Chun-Yuan Chang , Department of Biomedical Imaging and Radiological Sciences, National Yang-Ming University, Taiwan
13:48	The combination effect of neutron irradiation and exposure to DNA-alkylating agent on glioblastoma cell lines with different MGMT and p53 status Yuko Kinashi , Institute for Integrated Radiation and Nuclear Science, Kyoto University, Osaka, Japan
13:54	Biological evaluation of boric acid uptake at different administration times. Comparative study between BPA and BA accumulation curves. Agustina Portu , National Atomic Energy Commission (CNEA), Argentina
14:00	Overexpression of LAT1 by lipofection enhances BPA intracellular incorporation in glioblastoma cells Ken Ohnishi , Department of Biol., Ibaraki Prefectural University of Health Sciences, Ibaraki, Japan



14:06	Radiolabeling and In Vivo Image Evaluation of Boron containing neuropeptide(NPY) analogue in breast cancer Su-jung Chen , Division of Isotope Application, Institute of Nuclear Energy Research, Taoyuan, Taiwan
14:12	Disruption of Hif-1α enhances the sensitivity to BNCT in murine squamous cell carcinoma Yu Sanada , Institute for Integrated Radiation and Nuclear Science, Kyoto University, Japan
14:18	Boron Tracedrugs: Drug-Design Challenge For Neutron Dynamic Therapy Hitoshi Hori , Niigata University of Pharmacy and Applied Life Sciences, Higashijima, Akiha-ku, Niigata, Japan
14:24	Difference in BPA uptake between glioma stem cells and their cancerous cells Fumiyo Yoshida , Department of Neurosurgery, Faculty of Medicine, University of Tsukuba, Japan
14:30	The T/N boron ratios correlation between low and high BPA dose in an orthotopic nude mouse model of tongue squamous cell carcinoma Yu-Chuan Lin , Nuclear Science and Technology Development Center, National Tsing Hua University, Taiwan
14:36	In vitro studies of new boron-rich nanostructures for BNCT Ignacio Porras , Universidad de Granada, Granada, Spain
14:42	Development of cyclic RGD-functionalized maleimide-containing closo-dodecaborate albumin conjugate (MID-AC) as an active tumor targeting boron carrier for neutron capture therapy Kazuki Kawai , Laboratory for Chemistry and Life Science, Institute of Innovative Research, Tokyo Institute of Technology, Yokohama, Japan
14:48	Gadolinium-loaded chitosan nanoparticles (Gd-nanoCPs) for neutron capture therapy of cancer: Influence of particle size of Gd-nanoCPs on tumor-killing effect in vitro Tooru Andoh , Faculty of Pharmaceutical Sciences and Cooperative Research Center of Life Sciences, Kobe Gakuin University, Kobe, Japan

15:00-16:00	Parallel Session	R1001, R1002, R1003
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Chemistry & Pharmacology	R1001
15:00 New self-assembling peptide Drug Delivery System with BSH toward clinical application Hiroyuki Michiue, Neutron Therapy Research Center, Okayama University, Japan	
15:12 Development of closo-dodecaborate-containing water-soluble folate derivatives targeting to folate receptor α for boron neutron capture therapy Shangze WU, Laboratory for Chemistry and Life Science, Institute of Innovative Research, Tokyo Institute of Technology, Yokohama, Japan	
15:24 Development of Boron-Containing Monosaccharide Derivatives for Boron Neutron Capture Therapy Taiki Itoh, Faculty of Pharmaceutical Sciences, Tokyo University of Science, Chiba, Japan	
15:36 Dodecaborate-sugar conjugates as delivery system for BNCT Luigi Panza, Department of Pharmaceutical Sciences, Universita del Piemonte Orientale, Italy	
15:48 Microfluidic technology for the synthesis of liposomes encapsulating boron compounds in Argentina Agustina Portu, National Atomic Energy Commission (CNEA), Argentina	
Radiation biology	R1002
15:00 Hybrid gold and boron nanoparticles for treatment and boron dose estimation in boron neutron capture therapy for malignant glioma Alexander Zaboronok, Faculty of Medicine, University of Tsukuba, Tsukuba, Japan	
15:12 Electroporation to optimize boron targeting for Boron Neutron Capture Therapy (BNCT): a study of boron biodistribution with Boric Acid in the hamster cheek pouch oral cancer model Veronica A. Trivillin, National Atomic Energy Commission (CNEA), Argentina	
15:24 Using LDR to enhance the therapeutic efficacy of BNCT for lymph node metastasis in an orthotropic mouse model of tongue squamous cell carcinoma Yu-Chuan Lin, Nuclear Science and Technology Development Center, National Tsing Hua University, Taiwan	
15:36 Radiobiological in vitro and in vivo investigations on accelerator neutron source in Budker Institute of Nuclear Physics Aleksandr Kichigin, Budker Institute of Nuclear Physics, Novosibirsk, Russia	



Boron determination & Imaging technology		R1003
15:00	Development of a prompt gamma ray imaging detector using LaBr₃(Ce) scintillator and arrayed MPPC for Boron Neutron Capture Therapy Keita Okazak, Graduate School of Engineering, Kyoto University, Kyoto, Japan	
15:12	Uptake of p-borono-phenylalanine by brain tumor stem cells analyzed by mass cytometry Natsuko Kondo, Particle Radiation Oncology Research Center, Institute for Integrated Radiation and Nuclear Science, Kyoto university, Osaka, Japan	
15:24	Development of the electron tracking Compton camera for on-line imaging of 478 keV prompt gamma rays in BNCT Tetsuya Mizumoto, Kyoto Space Gamma, Inc., Kyoto, Japan	
15:36	Response of a CZT detector to the neutron and gamma radiation field of an accelerator based BNCT facility. Setareh Fatemi, National Institute of Nuclear Physics INFN, Unit of Pavia, Via A. Bassi 6, IT-27100 Pavia, Italy	
15:48	Exploring neutron autoradiography and alpha spectrometry techniques for boron measurements in bone. Lucas Provenzano, Comision Nacional de Energia Atomica (CNEA), Argentina	
16:00-16:20	Coffee Break	R1010
16:20-18:00	Parallel Session	R1001, R1002, R1003
Physics & Engineering		R1001
16:20	Development of real-time neutron detector for beam quality discrimination measurement using LiCAF scintillator and neutron moderator Michtaka Sato, Graduate School of Engineering, Kyoto University, Kyoto, Japan	
16:32	Design of a BNCT irradiation room based on proton accelerator and Be target Chiara Magni, National Institute of Nuclear Physics (INFN), Unit of Milan, Italy	



16:44	Comparison of relative biological effectiveness (RBE) doses and the photon iso-effective dose model for predicting the normal tissue complication probability in boron neutron capture therapy (BNCT) of head and neck cancer patients Hanna Koivunoro , Neutron Therapeutics Finland Oy, Helsinki, Finland
16:56	On the upper limit for the energy of epithermal neutrons for BNCT Pablo Torres-Sanchez , Universidad de Granada, Spain
17:08	Computational assessment of BNCT neutron beams using radiobiological models Lucas Provenzano , Comision nacional de energia atomica (CNEA), Argentina
17:20	How do photon iso-effective tumor doses derived from in-vitro BNCT studies compare to those from in-vivo cancer model data? Sara Gonzalez , Comision nacional de energia atomica (CNEA), Argentina
17:32	Extension of the photon iso-effective dose model to the dose-limiting normal tissues for BNCT of head and neck cancer Sara Gonzalez , Comision nacional de energia atomica (CNEA), Argentina
17:44	Development of Real-Time BNCT Neutron Beam Monitor Using Thin Silicon Sensor Masashi Takada , 1National Defense Academy of Japan
Clinical matter	R1002
16:20	Boron neutron capture therapy for vulvar melanoma and extramammary Paget's disease of the genital regions Junichi Hiratsuka , Department of Radiation Oncology, Kawasaki Medical School, Kurashiki, Japan
16:32	Reporting BNCT: A new approach towards an international standard Wolfgang Sauerwein , BNCTeam, Department of Radiation Therapy, University Hospital Essen, University Duisburg-Essen (D), Germany
16:44	"Boron neutron capture therapy for malignant pleural mesothelioma: A case report" Minoru Suzuki , Institute for Integrated Radiation and Nuclear Science, Kyoto University, Japan



16:56	Boron Neutron Capture Therapy for High-Grade Gliomas –Consolidating Published Evidence in One Place Daniel Song Chiek Quah , Department of Radiation Oncology, National Cancer Center, Singapore, Singapore
17:08	First Patient from Singapore to Receive Boron Neutron Capture Therapy - Challenges Met and Lessons Learnt Daniel Song Chiek Quah , Department of Radiation Oncology, National Cancer Center, Singapore, Singapore
17:20	Dosimetric Comparison of Boron Neutron Capture Therapy, Proton Therapy and IG-IMRT for Recurrent Anaplastic Meningioma Daniel Song Chiek Quah , Department of Radiation Oncology, National Cancer Center, Singapore, Singapore
17:32	B-10 concentration kinetics in the tumor and blood in patients administered with BPA: a critical review Hiroshi Fukuda , Department of Radiology, Tohoku Medical and Pharmaceutical University, Sendai, Japan
17:44	How much does tumor location affect the treatment field size passively determined by a dose constraint to the mucosa in head and neck boron neutron capture therapy? Katsumi Hirose , Department of Radiation Oncology, Southern Tohoku BNCT Research Center, Japan
Physics & Engineering R1003	
16:20	Improvement of gamma-ray telescope system for BNCT at Kyoto University Reactor Yoshinori Sakurai , Institute for Integrated Radiation and Nuclear Science, Kyoto University, Japan
16:32	Dosimetric influence of respiratory motion in boron neutron capture therapy for plumonary tumor Ryoichi Hinoto , Graduate School of Comprehensive Human Sciences, University of Tsukuba, Japan
16:44	e_LiBANS project: thermal and epithermal neutron sources based on a medical Linac Valeria Monti , University of Turin and National Institute of Nuclear Physics, Turin, Italy



16:56

The influences of moderator geometry on beam quality of Li-target based AB-BNCT

Wei-hua Lu, Neuboron Medtech Ltd., Nanjing, China

17:08

A Simplification in BNCT Treatment Planning: Two-component Treatment of Inhomogeneous, Multi-component Dose Distributions, Based on Dose-Fraction Regularity

Ryoichi Seki, Research Center for Nuclear Physics, Osaka University, Japan

17:20

Evaluation of Multi-field Technique Applied to Boron Neutron Capture Therapy for Brain Tumors

Shih-De Yoe, Institute of Nuclear Engineering and Science, National Tsing Hua University, Taiwan

17:32

Status of BNCT Neutron Generator Development at the IAP RAS

Vadim Skalyga, Institute of Applied Physics of the Russian Academy of Sciences, Russia



Wednesday, October 31, 2018

CHANG YUNG-FA FOUNDATION International Convention Center

09:00-10:40	Invited Lecture	R 1001
09:00-09:20	<p>"Proposal of absolute biologic effectiveness (ABE) dose for boron neutron capture therapy (BNCT) -The effect of $^{10}\text{B}(n,\alpha)^7\text{Li}$ dose can be predicted by nucleo-cytoplasmic ratio or cell size " Koji Ono, Osaka Medical College / Kansai BNCT Medical Center, Japan</p>	
09:20-09:40	<p>Neutron source for neutron capture therapy Hiroaki Kumada, University of Tsukuba, Faculty of Medicine, Japan</p>	
09:40-10:00	<p>BNCT Combined with Nuclear Medicine Theranostics with Astatine-211 Jun Hatazawa, Osaka University Graduate School of Medicine/ Department of Nuclear Medicine and Tracer Kinetics, Japan</p>	
10:00-10:20	<p>Salvage BNCT is an effective treatment option for recurrent high grade gliomas Yi-Wei Chen, Department of Oncology , Taipei Veterans General Hospital, Taiwan</p>	
10:20-10:40	<p>Boron neutron capture therapy combined with early successive bevacizumab treatments for recurrent malignant gliomas Shin-Ichi Miyatake, Osaka Medical College/Cancer Center, Japan</p>	
10:40-11:00	Coffee Break	R 1010
11:00-11:50	Plenary Lecture	R 1001
11:00-11:15	<p>Fundamental and pioneering achievements in basic and clinical study for BNCT Hiroshi Fukuda, Tohoku Medical and Pharmaceutical University/ Radiology, Japan</p>	
11:15-11:30	<p>Treatment outcome of recurrent meningioma, diffuse intrinsic pontine glioma, recurrent extracranial rhabdomyosarcoma, and recurrent inverted papilloma Yuan-Hung Wu, Taipei Veterans General Hospital/ Oncology, Taiwan</p>	
11:30-11:45	<p>Initial experience of using a hybrid PET/MRI scanner for FBPA-PET Ko-Han Lin, Department of Nuclear Medicine, Taipei Veterans General Hospital, Taiwan</p>	



12:10-18:00	Technical Tour to THOR	
18:30-21:00	Congress Banquet	



Thursday, November 1, 2018

CHANG YUNG-FA FOUNDATION International Convention Center

09:00-10:30	Plenary Lecture	R 1001
09:00-09:15	<p>Effect of the change in a reactor power on the response of murine solid tumors in vivo, also referring to that in quiescent tumor cells, and its clinical significance in boron neutron capture therapy (BNCT) Shin-ichiro Masunaga, Particle Radiation Biology, Division of Radiation Life Science, Institute for Integrated Radiation and Nuclear Science, Kyoto University, Japan.</p>	
09:15-09:30	<p>The therapeutic efficacy and radiobiological effects of boric acid-mediated BNCT in a VX2 multifocal liver tumor-bearing rabbit model Fong-In Chou, BNCT Research and Development Consultant, Nuclear Science and Technology Development Center (NSTDC), National Tsing Hua University (NTHU), Taiwan</p>	
09:30-09:45	<p>The biological properties of BNCR and accelerator-based BNCT system installed in NCC Mitsuko Masutani, Nagasaki University/ Dept. Frontier Life Sci., Grad. Sch. Biomed. Sci., National Cancer Center Research Institute, Japan</p>	
09:45-10:00	<p>Using Promoters of Granzyme B or NF-κB driven reporter genes combined with Multimodalities of Molecular Imaging for Theranostics of BNCT Jeng-Jong Hwang, National Yang-Ming University/Biomedical Imaging and Radiological Sciences, Taiwan</p>	
10:00-10:15	<p>Some open problems for the improvement and the expansion of BNCT Ignacio Porras Sánchez, Department of Atomic, Molecular & Nuclear Physics, University of Granada, Spain</p>	
10:15-10:30	<p>The Design of the Xiamen Humanity Hospital BNCT Center Yuan-Hao Liu, Dept. of Nuclear Science and Engineering, Nanjing University of Aeronautics and Astronautics, Nanjing, China</p>	
10:30-10:50	Coffee Break	R1010
10:50-12:05	Plenary Lecture	R 1001



10:50-11:05	<p>In vivo Evaluation system for accelerator-based Boron Neutron Capture Therapy</p> <p>Kazuyo Igawa, J Okayama University Neutron Therapy Research Center, Japan</p>
11:05-11:20	<p>Zebrafish as a cancer model system for neutron capture therapy research</p> <p>Yung-Jen Chuang, Department of Medical Science, National Tsing Hua University, Taiwan</p>
11:20-11:35	<p>Bio-distribution of Boron-containing Oligopeptide/Depsipeptide Analogs using DAHMI Tagging System</p> <p>Po-Shen Pan, Department of Chemistry, Tamkang University, Taiwan</p>
11:35-11:50	<p>In Vivo Imaging Evaluation of a Neuropeptide (NPY) Derivative Containing Boron-rich for Breast Tumor Therapy</p> <p>Ming-Hsin Li, Institute of Nuclear Energy Research, Taiwan</p>
11:50-12:05	<p>Cellular uptake of BPA: homogeneous or heterogeneous in a population of cells</p> <p>Jen-Kun Chen, Institute of Biomedical Engineering & Nanomedicine, National Health Research Institutes, Taiwan</p>

12:10-13:00	Lunch
13:00-14:00	Election Board Coun.

14:00-15:30	Poster Viewing & Presentation	R1010
Poster Group I (Clinical matters / Miscellaneous / Physics & Engineering)		
14:00	<p>Preliminary study of the impact on dose distribution due to the reproducibility of shoulder position in sitting-positioned BNCT for head and neck cancer</p> <p>Ryohei Kato, Southern Tohoku BNCT Research Center, Koriyama, Fukushima, Japan</p>	
14:06	<p>Impact of inter-observer variability for mucosal delineation on the dosimetry of boron neutron capture therapy for head and neck cancer</p> <p>AkihikoTakeuchi, Southern Tohoku BNCT Research Center, Koriyama, Fukushima, Japan</p>	



14:12	Study on application of BNCT to synovial sarcoma Takuya Fujimoto , Department of Orthopedic Surgery, Hyogo Cancer Center, Akashi, Japan
14:18	Treatment of Major Cervical Artery Invasion of Head and Neck Cancer with Boron Neutron Capture Therapy Masatoshi Ohmae , Oral and Maxillofacial Surgery, Rinku General Medical Center, Japan
14:24	Current Status of Neutron Capture Therapy in Colombia Jose Sarta Fuentes , Physics Department, Pontifical Javeriana University, Bogota, Colombia
14:30	Treatment Result of Combined Volumetric-Modulated Arc Therapy (VMAT) and Simultaneously Integrated Inner-escalated Boost (SIEB) Radiotherapy in a Patient with Locally Advanced Maxillary Sinus Carcinoma. Li-Wen Huang , Department of Radiation Oncology, Dalin Tzu Chi Hospital, Buddhist Tzu Chi Medical Foundation, Taiwan
14:36	Pilot study of Gadolinium Accumulation in Tumour with Intra-arterial Administration of Gadoteridol-Entrapped Water-in-Oil-in-Water Emulsion in VX-2 Rabbit Hepatic Cancer Model for Neutron Capture Therapy Masashi Yanagawa , Department of Veterinary Medicine, Obihiro University of Agriculture and Veterinary Medicine, Hokkaido, Japan
14:42	Neutron field characterization for Neutron Capture Therapies Marine Herv , Laboratory of Subatomic Physics & Cosmology, Grenoble, France
14:48	Monte Carlo simulation-based design for an electron-linac-based neutron source for boron neutron capture therapy Fujio Hiraga , Division of Quantum Science and Engineering, Graduate School of Engineering, Hokkaido University, Japan
14:54	Measurement of gamma-ray dose and neutron activation in BNCT beams using TLD-200 Wen-Chyi Tsai , Institute of Nuclear Engineering and Science, National Tsing Hua University, Hsinchu, Taiwan
15:00	Evaluation of neutron measurement system utilizing a LiCAF scintillator - optical fiber detector Kazuhiko Akita , Osaka Medical College, Kansai BNCT medical center, Japan
15:06	Installation of accelerator-based BNCT system at Kansai BNCT Medical Center Kazuhiko Akita , Osaka Medical College, Kansai BNCT medical center, Japan



Poster Group II (Physics & Engineering)	
14:00	Rotary Type Beam profile monitor for Accelerator-Driven BNCT System Keisuke Abo, Nagoya University, Nagoya, Japan
14:06	Design of Neutron Moderation Assembly for A-BNCT Sung Gyun Shin, Division of Advanced Nuclear Engineering, POSTECH, Pohang, Korea
14:12	Results of the measurements of the $^{33}\text{S}(n,\alpha)^{30}\text{Si}$ cross-section at CERN and ILL: application to NCT Javier Praena, University of Granada, Spain
14:18	Advances of the Characterization of Neutron Capture by Boron and Gadolinium Using Geant4 Jose A. Sarta, Physics Department, Pontificia Universidad Javeriana, Bogota, Colombia
14:24	Accelerator based BNCT system in Nagoya University -Development of a sealed lithium target- Sachiko Yoshihashi, Graduate School of Engineering, Nagoya University, Nagoya, Japan
14:30	Beam Dosimetry Equipment for the Nubeam BNCT Suite at Helsinki University Hospital Cancer Center Iiro Auterinen, Neutron Therapeutics Finland Oy, Helsinki, Finland
14:36	High-accuracy measurement of the epithermal neutron flux of a $^7\text{Li}(p,n)^7\text{Be}$-based BNCT neutron source with activation monitors Xingcai Guan, School of Nuclear Science and Technology, Lanzhou University, Gansu, China
14:42	Neutron Photon irradiation damage analysis of human tissue for BNCT based on Geant4 Xiaoping Zhou, China Institute of Atomic Energy, Beijing, China
14:48	BNCT neutron beam design based on the use of a plasma focus neutron source Yaser Kasesaz, Nuclear Science and Technology Research Institute (NSTRI), Tehran, Iran
14:54	Neutron beam design for BNCT based on the spallation neutron source Yaser Kasesaz, Nuclear Science and Technology Research Institute (NSTRI), Tehran, Iran



15:00	The Physical Design of a Modular Neutron Source Assembly for BNCT Wei Zhang , Department of Reactor Engineering and Technology, China Institute of Atomic Energy, Beijing, China
15:06	A microfluidics cooling system for accelerator-based neutron target Weiqiang Chen , Institute of Modern Physics, Chinese Academy of Sciences, China
15:12	Physical Design of Modular Neutron Source Device for AB-BNCT Yan Li , China Institute of Atomic Energy, China
Poster Group III (Radiation biology / Chemistry & Pharmacology)	
14:00	Biodistribution of Boric Acid (BA) and Boronphenylalanine (BPA) for BNCT in the hamster cheek pouch oral cancer model Veronica A. Trivillin , National Atomic Energy Commission, Argentina
14:06	Optimization of The Classical Chemical Cancerization Protocol in the Hamster Cheek Pouch to Study BNCT for Oral Cancer Andrea Monti Hughes , National Atomic Energy Commission, Argentina
14:12	Novel Oral Cancer & Precancer Experimental Model for Simultaneous Long Term Evaluation of the Effect of BNCT on Tumors and Precancerous Tissue Andrea Monti Hughes , National Atomic Energy Commission, Argentina
14:18	Radiotoxicity Induced by BNCT Mediated by BPA: A Comparative Analysis in an Oral Cancer Model Employing Three Different Cancerization Protocols Andrea Monti Hughes , National Atomic Energy Commission, Argentina
14:24	Calculation of vital head and neck organ dose during BNCT at TRR using ZUBAL head phantom Yaser Kasesaz , Nuclear Science and Technology Research Institute (NSTRI), Tehran, Iran
14:30	Computational study of the BNCT of the liver cancer at Tehran Research Reactor Yaser Kasesaz , Nuclear Science and Technology Research Institute (NSTRI), Tehran, Iran



14:36	Investigation of the biological properties of neutron beam of accelerator-based BNCT system with intestinal crypt regeneration and ICP-AES Shoji Imamich , Division of Boron Neutron Capture Therapy, Exploratory Oncology Research & Clinical Trial Center, National Cancer Center, Tokyo, Japan
14:42	Influence of oxygen status on therapeutic effect of boron neutron capture therapy in human tumor cells Takaomi Harada , Southern Tohoku BNCT Research Center, Koriyama, Fukushima, Japan
14:48	Boron-rich oil-in-water emulsions as drug nanocarriers for boron neutron capture therapy Krishna Reddy Pulagam , Radiochemistry and Nuclear Imaging, CIC biomaGUNE, San Sebastian, Spain
14:54	Functional evaluation of kojic acid-modified carborane developed as a boron drug for melanoma BNCT Satoshi Dowaki , Graduate School of Engineering, Osaka City University, Japan
15:00	Development of S-Alkyl-closo-Dodecaborate-Containing Amino Acids as Boron Carrier for BNCT Yoshihide Hattori , Research Center for Boron Neutron Capture Therapy, Osaka Prefecture University, Japan
15:06	Preparation methods of liposome which encapsulated boron compound at high concentration and efficiency. Makoto Shirakawa , Department of Pharmaceutical Sciences, University of Fukuyama, Hiroshima, Japan
15:12	Development of boron-loaded Microbubbles for Focused Ultrasound Triggered Brain Tumor Drug Delivery Ta-Wei Wang , Department of Biomedical Engineering and Environmental Sciences, National Tsing Hua University, Hsinchu, Taiwan
15:24	Synthesis and investigation of carborane coumarins as potential agents for BNCT Ilya Korolkov , The Institute of nuclear physics, Astana, Kazakhstan
15:30	Evaluation of beta-emitting devices as a complementary tool of BNCT for the treatment of superficial cancer Sara Gonzalez , Comision Nacional de Energia Atomica (CNEA), Argentina



15:36	In vitro studies of the DNA damage response (DDR) induced by BNCT Sara Gonzalez, Comision Nacional de Energia Atomica (CNEA), Argentina
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15:30-15:50	Coffee Break R1010
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15:50-17:00	Parallel Session R1001, R1002, R1003
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Physics & Engineering	R1001
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15:50	Computational evaluation of dose distribution including radiation exposure to ambient organs for BNCT treatment combined with X-ray therapy or proton beam therapy Kenta Takada, Faculty of Medicine, University of Tsukuba, Japan
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16:02	Accelerator Based Neutron Capture Therapies in France Daniel Santos, LPSC, Université Grenoble-Alpes, Grenoble, France
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16:14	BNCT Facility at Maria Reactor – Final Kick-Off: Beam Test, Opening Research Station, Construction of Building for Reactor Laboratory for Biomedical Research and Progress in Formulation Programme of “Neobor” Scientific Platform Michal Gryzinski, National Centre for Nuclear Research, Otwock, Poland
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16:26	Comparison of Shielding Calculation Methods for an AB-BNCT Facility Based on the Be(p,xn) Reaction with 30 MeV Protons Bo-Lun Lai, Institute of Nuclear Engineering and Science, National Tsing Hua University, Hsinchu, Taiwan
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16:38	Opportunities for therapeutic beam monitoring with single-moderator spectrometers Roberto Bedogni, INFN-LNF (Frascati National Laboratories), Frascati, Italy
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Radiation biology	R1001
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15:50	5-aminolevulinic acid can sensitize malignant glioma to boronophenylalanine-based boron neutron capture therapy Masao Fukumura, Department of Neurosurgery and Endovascular Neurosurgery, Osaka Medical College, Japan
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16:02	Evaluation of folate receptor targeted novel boron compound for boron neutron capture therapy using rat brain tumor model Takuya Kanemitsu , Department of Neurosurgery, Osaka Medical College, Takatsuki-shi, Osaka, Japan
16:14	Radiobiology experiments for thermal and epithermal RBE factors in BNCT Maria Pedrosa-Rivera , Universidad de Granada, Granada, Spain; Institut Laue-Langevin, Grenoble, France
Chemistry & Pharmacology R1001	
15:50	A novel boron-derived tyrosine serves as a theranostic agent for positron emission tomography and boron neutron capture therapy Zhibo Liu , College of Chemistry and Molecular Engineering, Peking University, Beijing, China
16:02	Rational Designed Boronated Porphyrin Loaded Micelle Meet the Shortcoming of Small Molecule Boron Agents for Boron Neutron Capture Therapy Zhibo Liu , College of Chemistry and Molecular Engineering, Peking University, Beijing, China
16:14	An innovative therapeutic approach for malignant mesothelioma treatment based on the use of Gd/Boron multimodal probes for MRI guided BNCT Simonetta Geninatti Crich , Department of Molecular Biotechnology and Health Sciences, University of Torino, Torino, Italy
16:26	Boron Delivery Agents for Neutron Capture Therapy of Cancer Peng Mi , Department of Radiology, Center for Medical Imaging, State Key Laboratory of Biotherapy and Cancer Center, West China Hospital, Sichuan University, Chengdu, Sichuan, China

17:00-18:00	General Assembly	
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Friday, November 2, 2018

09:00-10:30	Parallel Session	R1001, R1002, R1003
Physics & Engineering		R1001
09:00	Recent Development of BSA in D-BNCT Jianfei Tong , Institute of High Energy Physics (IHEP), Chinese Academy of Sciences (CAS) Beijing, China	
09:12	D-BNCT Project in China Shinian Fu , Dongguan Neutron Science Center, Dongguan, China	
09:24	Study of neutron production and moderation for Sulfur Neutron Capture Therapy Guozhu He , Key Laboratory of Nuclear Data, China Institute of Atomic Energy, Beijing, China	
09:36	Compact Accelerator-Driven BNCT System Used Sealed Lithium Target Kazuki Tsuchida , Graduate School of Engineering, Nagoya University, Nagoya, Japan	
09:48	Current Status of Research and Development Boron Neutron Capture Therapy in Indonesia Widarto Widarto , Particle and Physics Division, Centre for Accelerator Science and Technology, National Nuclear Energy Agency, Yogyakarta, Indonesia	
Radiation biology		R1002
09:00	Biodistribution Studies of Maleimide-Functionalized Closo-Dodecaborate Albumin Conjugates (Mid:Bsa) in the Hamster Cheek Pouch Oral Cancer Model Andrea Monti Hughes , National Atomic Energy Commission (CNEA), Argentina	
09:12	Evaluation of the Radioprotective Effect of Oligo-Fucoidan to Reduce Dermatitis and Mucositis Induced by BNCT in Oral Cancer and Ectopic Colon Cancer Models Andrea Monti Hughes , National Atomic Energy Commission (CNEA), Argentina	
09:24	Boron Neutron Capture Therapy (BNCT) Combined with Bcg as Immunotherapy in an Ectopic Colon Cancer Model: Local and Abscopal Effects Veronica A. Trivillin , National Atomic Energy Commission (CNEA), Argentina	



09:36	Toward the BNCT Biomedical studies at TRR Mohammad Esmail Akbari , Cancer Research Center, Shahid Beheshti University of Medical Sciences, Tehran, Iran
09:48	Dynamic Infrared Imaging for Biological and Preclinical Studies in BNCT Gustavo A. Santa Cruz , National Atomic Energy Commission (CNEA), Argentina
	Boron determination & Imaging technology R1003
09:00	Intra cellular boron distribution evaluation by neutron autoradiography Ian Postuma , Istituto Nazionale Di Fisica Nucleare (INFN), Unit of Pavia, Italy
09:12	Use of EpiskinTM to evaluate BNCT radiation damage to healthy tissue Ian Postuma , Istituto Nazionale Di Fisica Nucleare (INFN), Unit of Pavia, Italy
09:24	Prompt gamma tomography for BNCT-SPECT: a feasibility study using a small animal phantom. Nicoletta Protti , National Institute of Nuclear Physics INFN, Unit of Pavia, Pavia, Italy

10:30-10:50	Coffee Break R1010
10:50-11:30	Closing Ceremony R1001
11:30-12:30	Executive Board Meeting & Board of Councilors Meeting R1006