



**12th CYCLEUR Workshop
and
2nd Bern Cyclotron Symposium**

University of Bern
June 23 – 24, 2016

12th CYCLEUR Workshop

Thursday 23 June 2016

- 9:00 – 9:30 Registration
- 9:30 – 9:45 Introduction and welcome address
- 9:45 – 10:00 Etienne Vermeulen (PSI, Switzerland), *Radionuclide developments at PSI*
- 10:00 – 10:15 Mateusz Sitarz (HIL, University of Warsaw, Poland), *Production of and research on medical radioisotopes at the Heavy Ion Laboratory*
- 10:15 – 10:30 Jean-Michel Geets (IBA, Belgium), *Recent advance and development at IBA*
- 10:30 – 10:45 Florian Duval and Isidro Da Silva (CEMHTI, Orléans, France), *Activities at the CEMHTI-Cyclotron*
- 10:45 – 11:15 Coffee break*
- 11:15 – 11:30 Flavia Groppi and Simone Manenti (INFN and University of Milano, Italy), *Radionuclide Research Activities at LASA – UNIMI and INFN during 2015/2016*
- 11:30 – 11:45 Leila Ounalli (CNSTN, Tunisia), *Update on the Tunisian cyclotron project*
- 11:45 – 12:00 Konrad Nesteruk (AEC-LHEP, University of Bern, Switzerland), *Activities at the Bern cyclotron laboratory*
- 12:00 – 12:15 Ayfer Asiye Akit (Monrol, Turkey), *Cyclotron Operation - Monrol Experience*
- 12:15 – 12:30 Sandor Takacs (MTA Atomki, Hungarian Academy of Science, Hungary), *Accelerator production of ^{99m}Tc and nuclear data*
- 12:30 – 12:45 Mario Marengo (University of Bologna, Italy), *⁴¹Ar production in the vault of a biomedical cyclotron: experimental measurements and MC simulations*
- 12:45 – 13:00 Luis Metello (ESTSP, Porto, Portugal), *Development of ⁴⁵Ti for radiopharmaceutical purposes: obtained results and future perspectives*



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13:00 – 14:00 Lunch break

- 14:00 – 14:15 Francisco Alves (University of Coimbra, Portugal), *Gallium 68: (another) fantastic liquid from Coimbra*
- 14:15 – 14:30 Mateusz Sitarz and Rafal Walczak (University of Warsaw, Poland), *Cyclotron production of theranostic pair ^{43}Sc – ^{47}Sc on calcium targets*
- 14:30 – 14:45 Tommaso Carzaniga (AEC-LHEP, University of Bern), Switzerland, *The PET SCANDium 43 project*
- 14:45 – 15:00 Perihan Unak (Ege University, Turkey), *Radionuclide labelled nanoparticles research activities at Ege University: Recent update*
- 15:00 – 15:15 Alexander Bilewicz (University of Warsaw, Poland), *Gold Nanoparticle–Substance P(5-11) Conjugate as a Carrier for ^{211}At in Alpha Particle Therapy*
- 15:15 – 15:30 Stefan Schymura and Karsten Franke (HZDR, Dresden, Germany), *Radiolabelling of nanoparticles for the use in environmental fate studies in waste water treatment and beyond*

15:30 – 15:45 Tea break

- 15:45 – 16:00 Jong-Seo Chai (Sungkyunkwan University, Korea), *Development of SKKUCY-10 cyclotron and performance improvement of MC-50 for high intensity alpha particle extraction*
- 16:00 – 16:15 Dave Potkins (D-Pace, Canada), *Recent developments of beamlines and beam diagnostic devices at D-Pace*
- 16:15 – 16:30 Discussion

16:30 – 18:30 Visit to the Bern cyclotron laboratory

20:00 – Workshop dinner



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9:00 – 9:15 Liviu Stefan Craciun (IFIN-HH, Bucarest, Romania), *Recent activities around medical radioisotopes production in IFIN-HH*

9:15: - 9:30 Viprav Gupta (DFKZ, Heidelberg, Germany), *Activities from Cyclotron facility at German Cancer Research Center (DKFZ), Heidelberg*

Second Bern Cyclotron Symposium

9:30 – 10:00 Riccardo Calandrino (San Raffaele Hospital, Milano, Italy), *Radioprotection guidelines for a safe use and decommissioning of a medical cyclotron*

10:00 – 10:30 Marco Schippers (PSI, Switzerland), *Accelerators for proton therapy: what is so special?*

10:30 11:00 Coffee break

11:00 – 11:30 Roland Purtschert (University of Bern, Switzerland), *³⁷Ar as an indicator for the production of artificial radioactivity*

11:30 – 12:00 Nhât-Tân Vuong (CERN, Switzerland), *The CERN-MEDICIS project*

12:00 – 12:30 Uwe Holtzwarth (JRC, Ispra, Italy), *30 years of JRC Cyclotron laboratory – Is there life after decommissioning?*

12:30 – 12:45 Discussion and concluding remarks

12:45 – Group picture

13:00 – 14:00 Lunch