

IAEA Technical Meeting Nuclear Data for Medical Applications

28-31 August 2023
IAEA, Vienna (hybrid)

Preliminary AGENDA

Lunch breaks from 13:00, Coffee breaks as needed, presenter name is given below.

Monday 28 August

09:30 -17:30

Opening of the meeting, A. Koning (Section Head NDS)

Election of Chair and Rapporteur(s), discussion of the Agenda

Introduction, R. Capote

Participants' Presentations (~30'):

- Nuclear Data Research for Development of Novel Medical Radionuclides, *S. Qaim*
 - Extension of recommended cross section data base for production of therapeutic isotopes and charged particle monitor reactions, *F. Tarkanyi*
 - Nuclear Data Needs for High-Energy (p,x) Isotope Production & Evaluation, *A. Voyles*
 - Cross-section measurements for emerging therapeutic radionuclides with special regard to ^{225}Ac , *O. Lebeda*
 - Cyclotron-production of Innovative Radionuclides: Nuclear Data Research Activities at the INFN-LNL, *G. Pupillo, L. Mou*
 - Production yields of ^{64}Cu and ^{67}Cu , *Y. Nagai*
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Tuesday 29 August

10:00 -18:00 **Presentations cont'd (~30'):**

- Input, output and lessons learned: PET and SPECT evaluations based on TM-Vienna 2018, *A. Hermanne*
 - Nuclear Data Needs for Medical Radionuclide Producers, *J. Engle*
 - A new set of cross sections to produce beta+ emitters (^{11}C , ^{12}N , ^{13}N , ^{15}O , ^{29}P and $^{38\text{m}}\text{K}$), *C. Guerrero Sanchez (remotely)*
 - TALYS for charged-particle cross sections: predictive power and parameter fitting, *A. Koning*
 - Model considerations related to data for ^{47}Sc production from enriched titanium targets, and for ^{155}Tb production from enriched gadolinium targets, *L. Canton*
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Dinner at a Restaurant (separate information)

Wednesday 30 August

10:00 -18:00 **Presentations cont'd (~30'):**

- Nuclear Medicine: Atomic and Nuclear Decay Data, 2023, *A.L. Nichols (remotely)*
- Recent development of the calculation of Auger electron yields from medical isotopes, *T. Kibedi*
- *F. Kondev, tbd*

Discussions and Drafting of the Meeting Summary Report

Thursday 31 August

10:00 -15:00 **Discussions and Drafting of the Meeting Summary Report cont'd**