

SANDA II

Wednesday 18 August 2021 - Wednesday 18 August 2021

Scientific Programme

SANDA I-II: workshop
WP3 - Target Preparation for Improvement of Nuclear Data Measurements

Welcome

Session 1 Target production and characterisation

JRC-Geel target preparation laboratory

Isotope production and targetry at PSI

**Isotopic thin films preparation laboratory for nuclear physics;
IFIN-HH, Bucharest, Romania**

Coffee break

Session 2 Applications (SANDA I)

**243-Americium targets for the study of neutron induced fission
cross section at the n_TOF facility of CERN**

Needs in radioactive targets for fission studies at NFS

Session 3 Applications (SANDA II)

**Test of a novel Frisch-Grid chamber, and measurement of the
 $^{236}\text{U}(\text{n},\text{g})$ cross section**

Lunch break

Session 3 Applications (SANDA II)

A ^{59}Ni target for neutron-induced gamma-ray spectroscopy

A ^{179}Ta target for (n,gamma) spectroscopy relevant for the astrophysical origin of ^{180}Ta

Production of a ^{10}Be target for nuclear structure experiments

Coffee break

Session 3 Applications (SANDA II)

^{10}B targets for the production of ^{11}C in deuteron induced reactions

Preparation of ^{50}Cr and ^{53}Cr targets for neutron capture and transmission experiments for criticality safety

Radiative capture measurement on ^{79}Se at n_TOF: sample preparation and future perspectives

First measurement of ^{94}Nb neutron cross section at n_TOF: Sample preparation and future perspectives