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The 30th Conference of the International Nuclear Target Development Society, INTDS 2022

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The International Nuclear Target Development Society (INTDS) is dedicated to promoting work and networking on the fabrication and characterization of various kinds of targets for experiments in nuclear physics and related fields. Its 30th conference (INTDS2022) was held from September 25th to September 30th, 2022, at the Paul Scherrer Institute Villigen (PSI), Switzerland.

After two years of restrictions due to the pandemic, we were happy to be able to host the conference in person. In a few exceptional cases, e.g. for colleagues who were still not allowed to travel, the hybrid mode was offered.

The scientific program included contributions on the development of new target preparation methods, advances in target characterization, recent results in the preparation of targets for medical applications, gas targets, beam stripper films, targets for ion beams and much more (<https://indico.psi.ch/event/7834/>). It is particularly gratifying that again this year we managed to set up a session on new developments in high performance target technology.

In addition to the broad field of stable targets, covered in two sessions, radioactive targets play an increasing role in many areas of nuclear research. In

addition to these radioactive targets, there is a rapidly growing demand for the availability of radioactive source material. These specific needs were addressed in several sections.

INTDS places particular emphasis on the promotion of young scientists. This concern was reflected both in financial support and in the large number of contributions from students. To underline the importance of teaching, a special session dedicated on educational topics was established.

78 participants from Africa, Asia, Europe and North America attended the conference. 51 oral contributions were presented in 12 sessions. There were four invited presentations by experts from the United States, Canada and Romania.

Numerous colleagues helped to make the conference a success. In particular, we acknowledge the work of the PSI facility managing service, the printing office, the photographer, the visitor centre, the canteen team as well as the colleagues from PSI West who performed a guided tour through the accelerator facilities.

Special thanks go to the members of the scientific advisory board for carefully selecting the contributions and to all the referees who helped improving the manuscripts for these proceedings.



Photo of the participants of the 30th INTDS conference

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