

Workshop on Active Targets and Time Projection Chambers for High-intensity and Heavy-ion beams in Nuclear Physics

Second GDS Topical Meeting

We are pleased to announce the workshop on Active-Targets and Time Projection Chambers for high-intensity and heavy-ion beams in Nuclear Physics that will be held at the University of Santiago de Compostela (Santiago de Compostela, Spain) from January 16th to the 19th, 2018.

The aim of the workshop is to gather the nuclear physics community using gas detection systems (GDS) to present the status of the current instrumentation and future developments across the world. The programme will be devoted to discussing the physics topics explored with gas detection systems, to presenting the recent experiments and the latest results. The workshop will gather experts of gas-filled detectors systems to develop new techniques to overcome constraints such as high-intensity beams and strong non-uniform magnetic fields. Sessions will consist of plenary presentations by invited speakers and contributions selected among the submitted abstracts.

The meeting includes the second ENSAR2-GDS-topical meeting of the Gas-Filled Detectors and Systems Network Activity which was first held in Legnaro in 2016. ENSAR2 is the integrating activity for European nuclear scientists who are performing research in three of the major subfields defined by NuPECC: Nuclear Structure and Dynamics, Nuclear Astrophysics and Nuclear Physics Tools and Applications.

The following topics will be covered:

- **Physics with Gas Detections Systems (GDS)**
- **Active Target and TPCs: ongoing and forthcoming projects**
- **Experiments with high-intensity and heavy ion beams**
- **Gas properties for high-intensity and heavy ion beams**
- **Ancillary detectors for high-intensity and heavy beams**
- **Simulations and electronics for GDS**

More details on the web page of the event: <https://indico.in2p3.fr/event/16443/>

With best regards

The Organizing committee

