



Contribution ID: 1396 Contribution code: TUPC35

Type: **Poster Presentation**

DONES-ConP1 project: consolidating the start of the IFMIF-DONES construction phase

Tuesday, 21 May 2024 16:00 (2 hours)

IFMIF-DONES is an ESFRI facility based on a 5 MW deuteron accelerator currently under construction in Granada (Spain) as part of the European roadmap to fusion electricity. Its main goal is to characterize and qualify materials under a neutron field with an induced damage like the one faced in a fusion reactor, developing a material database for the future fusion nuclear reactors. Moreover, a list of medium neutron flux experiments in other irradiation areas for fusion and non-fusion applications have been identified previously and are under analysis.

The construction phase was officially launched from March 2023, after setting up the steering committee for the DONES Program composed of several countries. To support the preparation of the key documentation and consolidate contributions from parties, a set of tasks is being developed within the framework of the new DONES Consolidation Phase project (DONES-ConP1). In this contribution, the main objectives of the project such as the drafting of the acceptance tests for the procurement, the first version of the irradiation plan for fusion and non-fusion applications, or the update of key project documentation will be discussed.

Footnotes

Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Commission. Neither the European Union nor the European Commission can be held

Funding Agency

Euratom Research and Training Programme - Euratom Work Programme 2023-2025 for nuclear research and training under Grant Agreement No 101145952

Paper preparation format

LaTeX

Region represented

Europe

Primary authors: PODADERA, Ivan (Consortio IFMIF-DONES España); MORENO CORTES, Antonio (Consortio IFMIF-DONES España)

Co-authors: MAJ, Adam (Institute of Nuclear Physics Polish Academy of Sciences); LETOURNEAU, Alain (Commissariat à l'Énergie Atomique et aux Énergies Alternatives); PISENT, Andrea (Istituto Nazionale di Fisica Nucleare)

are); BRANAS LASALA, Beatriz (Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas); MARTIN-FUERTES, Francisco (Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas); MALDONADO, Ruth (Consortio IFMIF-DONES España); CHEL, Stéphane (Université Paris-Saclay, CEA); TADIC, Tonci (Ruder Boskovic Institute); KRÓLAS, Wojciech (Institute of Nuclear Physics Polish Academy of Sciences); IBARRA, Angel (Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas)

Presenter: MORENO CORTES, Antonio (Consortio IFMIF-DONES España)

Session Classification: Tuesday Poster Session

Track Classification: MC1: Colliders and other Particle and Nuclear and Physics Accelerators: MC1.A17 High Intensity Accelerators