



ARIEL Education and Training

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This project has received funding from the Euratom research and training programme 2014-2018 under grant agreement No 847594 (ARIEL).



Goals of ARIEL Education and Training

- Work package for the organisation of **training activities** to the participating facilities:
- **Early stage researchers**
 - will be able to **receive training** in the full spectrum **of experimental capacities** of the consortium resulting in a high potential for competence building.
- **Experienced researchers**
 - can be very efficient in **sharing** of experimental capacities and **know-how** between the different infrastructures during **short term visits**.
- Program is open also for **technical staff** know-how exchange



What do we have had so far ?

- 6 PAC meetings
- 28 proposals, 259 weeks requested for E&T visits
 - 28 proposals, 233 weeks endorsed
 - 1 proposal, 6 weeks has been canceled
 - 13 visits 129 weeks finished and reported
- Resulting dissemination
 - 13 visitor reports
 - 5 publications (including 3 ND2022 !)
 - A few known to be in preparation, though
 - 19 presentations (not including presentations in this meeting)



Publications (1+1+3+?)

R. Mucciola, C. Paradela, G. Alaerts, S. Kopecky, C. Massimi, A. Moens, P. Schillebeeckx, R. Wynants,
Evaluation of resonance parameters for neutron interactions with Molybdenum,
[Nuclear Instruments and Methods in Physics Research B 531 \(2022\) 100–108](#)

R. Mucciola

Neutron capture and total cross-section measurements on $^{94,95,96}\text{Mo}$ at n_TOF and GELINA
PhD thesis, University of Perugia

Riccardo Mucciola, *et al.*:

Neutron capture and total cross-section measurements on $^{94,95,96}\text{Mo}$ at n_TOF and GELINA
Proceedings of 15th International Conference on Nuclear Data for Science and Technology (ND2022) to be published in EPJ Web of Conferences

María de los Ángeles Millán Callado, *et al.*:

Response of nuclear physics detectors to laser-driven neutrons at the PW DRACO laser facility
Proceedings of the 15th International Conference on Nuclear Data for Science and Technology (ND2022) to be published in EPJ Web of Conferences

A.Gomez, A. Al-Adili, *et al*

Determination of the Plasma Delay Time in PIPS detectors for fission fragments with the LOHENGRIN spectrometer.
Proceedings of the 15th International Conference on Nuclear Data for Science and Technology (ND2022) to be published in EPJ Web of Conferences

María de los Ángeles Millán Callado, *et al.*:

A definitive step towards the study of nuclear reactions with PW laser-driven neutrons, title preliminary, in preparation



Presentations (19)

Ana Gomez (oral presentation):

Swedish Nuclear Physicist's Meeting 2021, October 27 - 29, 2021, **Göteborg, Sweden**

Ana Gomez (oral presentation):

The 15th International Conference on Nuclear Data for Science and Technology (ND2022), Sacramento, USA, July 24–29. (eventually on-line)

Ana Gomez (oral presentation):

Swedish Nuclear Physicist's Meeting 2022, October 24 - 26, 2022, **Stockholm, Sweden**

Riccardo Mucciola (oral presentation):

The 13th Torino Workshop on AGB stars & the 3rd Perugia Workshop on Nuclear Astrophysics, June 19 - 24, 2022, **Perugia, Italy**

Riccardo Mucciola (oral presentation):

The 15th International Conference on Nuclear Data for Science and Technology (ND2022), Sacramento, USA, July 24–29. (eventually on-line)

R. Mucciola (oral presentation)

GIANTS XI workshop, October 20-21 2022, **Caserta, Italy.**

R. Mucciola (oral presentation),

n_TOF Collaboration general meeting, December 13-14 2022, **Edinburgh, United Kingdom.**

María de los Ángeles Millán Callado (oral presentation):

European Conference on Plasma Diagnostics (ECPD2021), 7-11 July 2021, Online Conference, Online, Spain.

María de los Ángeles Millán Callado (oral presentation):

47th Conference on Plasma Physics - Satellite Meeting: High Field laser-plasma interaction (HIFI) & Laser-driven particle and radiation sources for application (LASA), 28th - 29th June 2021, Online

María de los Ángeles Millán Callado (oral presentation):

42nd International Workshop on High Energy-Density Physics with Intense Ion and Laser Beams, 31 January – 4 February 2022, online.

María de los Ángeles Millán Callado (oral presentation):

XIII CPAN days Huelva, Spain, 21-23 March 2022

María de los Ángeles Millán Callado (Flash-talk (3 minutes)):

CyTF PhD program. Doctoral Day - dissemination activity organized by the PhD program at Universidad de Sevilla, 3 June 2022

María de los Ángeles Millán Callado (seminar talk):

Group seminar at HZDR Dresden, 24 June 2022

María de los Ángeles Millán Callado (poster presentation):

4th SUMMER SCHOOL on Neutron Detectors and Related Applications (NDRA-2022), 30 June - 4 July 2022, Riva del Garda, Trento, Italy.

María de los Ángeles Millán Callado (oral presentation):

XXXVIII Reunión Bienal de la real Sociedad Española de Física (RSEF), Murcia, 11-15 July 2022

María de los Ángeles Millán Callado (oral presentation):

The 15th International Conference on Nuclear Data for Science and Technology (ND2022), Sacramento, USA, July 24–29. (eventually on-line)

María de los Ángeles Millán Callado (oral presentation):

11th international conference on European Nuclear Physics Conference (EuNPC2022), Santiago de Compostela, Spain. 24-28 October 2022

María de los Ángeles Millán Callado (oral presentation):

XIV CPAN days Bilbao, Spain, 23-25 November 2022

María de los Ángeles Millán Callado (oral presentation):

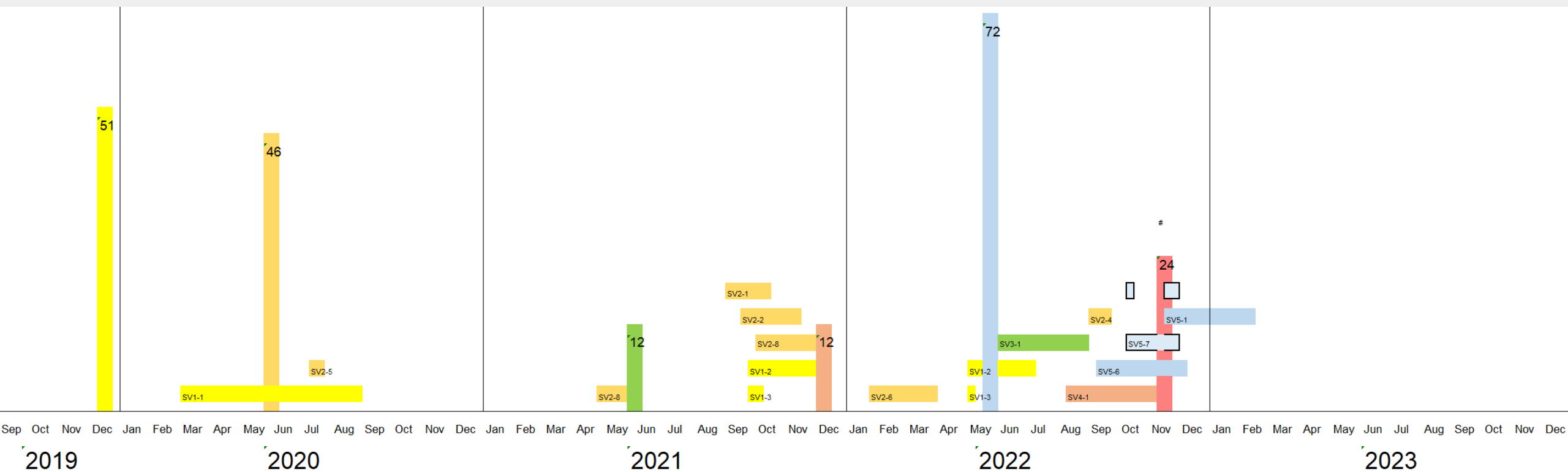
LENS Workshop on Laser-driven neutron Sources, Lund, Sweden, 1 March 2023

Pablo Perez Maroto (oral presentation):

XIV CPAN days Bilbao, Spain, 23-25 November 2022

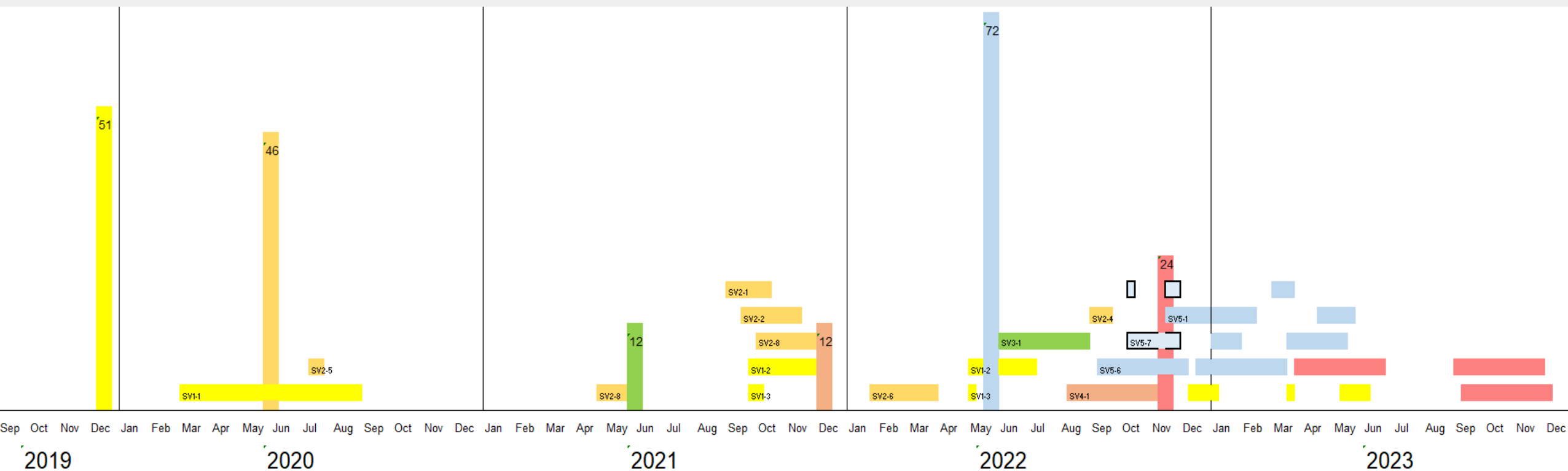


Timeline Education and Training visits : completed (or: how covid-19 hit on the project)





Timeline Education and Training visits : completed and future



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