The aim of this workshop is to discuss recent achievements in term of nuclear data needed for reactor applications. The following topics will be covered:

- Nuclear Data needs for reactor applications
- Microscopic and integral nuclear data measurements
- Evaluation of nuclear data (theories, models, codes)
- Uncertainties and covariance matrices (methodology and impact on reactor calculations)
- Processing and benchmarking
- Thermal scattering laws
- Decay data
- Nuclear fission, including prompt particle emission and fission yields

We would like to create a relaxed working atmosphere by reducing the number of participants (about 60) and by allocating ample time for discussions.
Presentations are set to 30' (regular talks) or 40' (invited talks), including discussions.

No poster session will be organized

For each “Workshop session” a coffee break of half an hour is included

For the volunteers: a “Visit to CEA-Cadarache facilities” is planned on Wednesday afternoon. A bus will leave the hotel at 12:30 pm. The return to the hotel will be at about 5:30 pm.

Aerial view of the CEA-Cadarache site

The workshop dinner will take place at the restaurant “La Bastide du Cours” in Aix-en-Provence downtown.
Registration

All participants are kindly asked to register as soon as possible (due to the limited number of participants) at least before **June 29th, 2018** by filling the registration form available on our website: [Registration](#)

Fees

**The workshop fee is 450 €**, covering:

- Five workshop lunches,
- Coffee breaks,
- The dinner of the Workshop (planned on Wednesday, 10th of October evening),
- A visit of the CEA-Cadarache facilities (planned on Wednesday afternoon)
- The proceedings of the conference.

An extra (50€/person) is required for accompanying people to the conference dinner.

All payments must be made in Euros by bank transfer: [here](#)

Please, don’t forget to mention the participant name.
**The deadline for the payment is September 10th, 2018.**

Accommodations

The workshop participants are asked to make their own room reservations.
**A list of hotels with a special CEA workshop rate** is available on the following webpage: [List of Hotels](#)

When making your reservation with one of the Aix-en-Provence hotels of this list, don’t forget to ask for the special “CEA-WONDER-2018” rate.

Transportation

**By plane**
From Marseille-Marignane Airport :
There is a [public shuttle bus](#) from the Marseille-Marignane airport to Marseille downtown and a [public shuttle (line 40)](#) from the Marseille-Marignane airport to Aix-en-Provence downtown.

**By train**
There is also a [public shuttle (line 40)](#) from Aix-en Provence TGV station to Aix-en-Provence downtown:
Abstract

Abstracts should be less than one page and must be sent through the registration webpage. Please, use the abstract template available on the website: Abstract. The deadline for submission is June 29th, 2018.

Proceedings

We plan to publish Proceedings of the Workshop in electronic form via open-access EPJ Web of Conferences.

- The templates (word or LaTeX2e) and detailed instructions for the manuscripts are available here: Template.
  Please, use the 170 x 250 mm paper size, one column format.
- The short title of the conference which must be inserted in the heading is: WONDER-2018
- Each manuscript should not be longer than seven pages.
- The document is required (in Word or LaTeX2e) for the date of the workshop.

Important dates

- First Announcement (December 2017)
- Second Announcement (March 2018)
- Abstract submission and Registration: before June 29th, 2018
- Payment of the workshop fee: before September 10th, 2018
- Third Announcement with the program of the workshop: September, 2018
- Date of the Workshop: October 8th- 12th, 2018
- Full paper submission deadline: October 12th, 2018

Contact

If you need information regarding transportation, accommodation or anything else, please do not hesitate to contact our Workshop Secretariat:

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