

Preface

WONDER-2018 is the fifth International Workshop on Nuclear Data Evaluation for Reactor Applications (the first four workshops were organised respectively in 2006, 2009, 2012 and 2015). It was held on October 8th to 12th, 2018 at the Hotel du Roi René in Aix-en-Provence (France).

About 60 experts in the field of nuclear data were participating at this workshop. The main objective was to review the current modelling and evaluation methods of nuclear data for reactor applications (GEN. II, III, IV) and to discuss possible areas of improvements. Presentations were organised in sessions on: Integral and microscopic measurements, Evaluation of nuclear data (theory, models, codes), Decay data and delayed neutrons, Thermal diffusion laws, Data processing and benchmarking, Nuclear fission (prompt particles emission, fission yields ...), Uncertainties and covariance matrices (methodology and impact on reactor calculations).

We thank the French Alternative Energies and Atomic Energy Commission (CEA), the Nuclear Energy Agency (NEA) and La Communauté du Pays d'Aix (CPA) for their active participation in the organisation of this workshop. Lastly, we would like to warmly thank Mrs Claire Boucher who assumed the secretariat of the workshop.

Taking into account the undeniable success of WONDER-2018, the 6th edition could be born in 2021!



January 2019,
The organizing committee