

# WPEC-33: Review of the Status of Subgroup Reports

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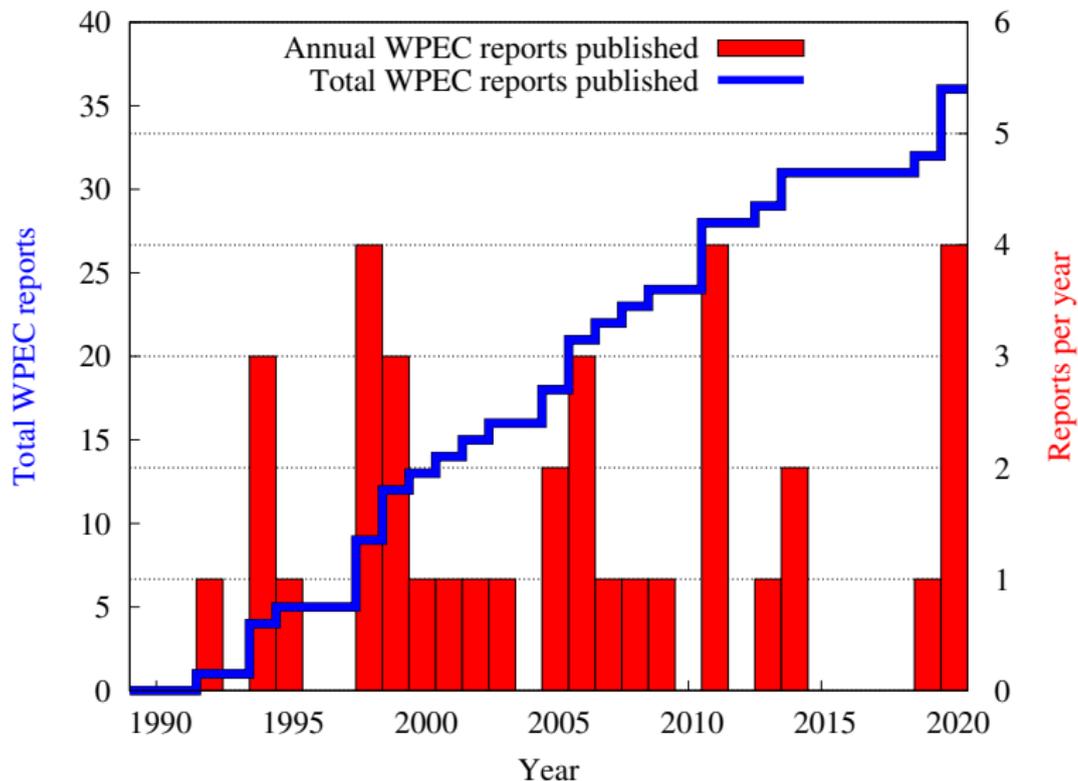
WPEC-33 Zoom

## Introduction

- Since 1989 formation, 50 subgroups established, one canceled and 43 completed
- Strong history of deliverables including files, peer-reviewed publications, and much more
- Reports constitute one of the primary deliverables of the subgroups and provide a clear record of the output of the subgroup for
  - technical experts and participants
  - WPEC and committees above
  - decision-takers within member countries
  - more general audiences
- Average of slightly more than 1 report published per year with some variability

## Recent progress

- In 2020, we have had significant progress:
  - WPEC Subgroup 42 publication
  - WPEC Subgroup 41 publication
  - WPEC Subgroup 28 publication
  - GNDS-1.9 specifications publication and Expert Roundtable
  - Progress in several publications, including SG27, SG37, SG38, SG39 and towards GNDS-2.0 (see presentation tomorrow by GNDS Chair)
  - Recently completed SG44 report nearing completion (all contributions except final additions by the co-ordinator)
- Proposal for new HPRC publication is currently paused, awaiting finalisation of new web system



## Subgroup 27

Prompt photon production from fission products (2007-09)

Co-ordinator: R. Jacqmin, CEA

- Report by C. Dean obtained in editable format
- Jacobs (previously Wood, AMEC(-FW), Serco) worked with NEA to finalise
- Report submitted to NEA CEN in 2020, final publication expected Q3 2021
- **Action is on NEA** to complete the publication process

## Subgroup 35

Scattering angular distribution in the fast energy range (2011-13)

Co-ordinator: T. Kawano, LANL

- Draft shared amongst participants
- Some feedback provided in and before 2018
- NEA can assist in the process if  $\text{\LaTeX}$  source is provided
- No update since WPEC-32 meeting
- **Action is on LANL**

## Subgroup 36

Evaluation of experimental data in the resolved resonance region  
(2012-14)

Co-ordinator: P. Schillebeeckx, JRC-Geel

- Activity completed and other related work in SG41
- NEA not aware of any draft report
- No update since WPEC-32 meeting
- **Action is on JRC**

## Subgroup 37

Improved fission product yield evaluation methodologies (2013-16)

Co-ordinator: R. Mills, NNL

- Many outputs from this subgroup, including covariances and new evaluations included in the JEFF-3.3 library
- Data (e.g. covariances) stored on the NEA GitLab as of 2018
- Collection of materials for report in the NEA GitLab in 2019
- Near-complete 2020
- Final call for contributions in March 2021
- As of May 2021, all contributions held - will be sent for final CEN editing in Q3 2021
- **Action is now on NEA** to finalise

## Subgroup 38

Beyond the ENDF format: A modern nuclear database structure  
(2013-2017)

Co-ordinator: D. McNabb

- Various document drafts have been created during the SG38 work
- A subset of these (still 200 pages) have been selected for the SG38 requirements document
- Contents finalised in 2020
- **Action is on NEA** - review is ongoing, submission to CEN planned for Q3/Q4 2021

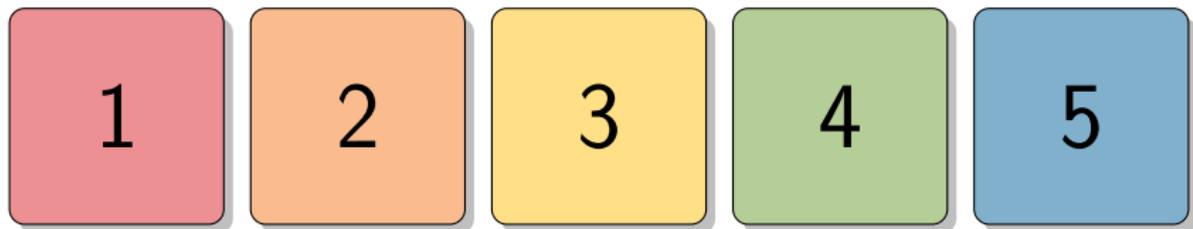
## Subgroup 39

Methods and approaches to provide feedback from nuclear and covariance data adjustment for improvement of nuclear data files (2014-2018)

Co-ordinator: M. Salvatores

- Complete draft prepared in 2019
- With the passing of co-ordinator and transfer of SG46 co-ordinator, decision taken to publish this material as-is and finalise SG39 as a new publication
- **Action is on NEA**, planning submission to CEN late 2021 / early 2022

## Status levels for reports



1. In preliminary draft

2. Substantial partial draft completed

3. Complete draft to NEA Secretariat

4. Revised complete draft to NEA Publications

5. Publication reviewed and finalised by NEA

## Status as of WPEC-30 (2018)

SG-27, R. Jacqmin	1	
SG-28, M. Dunn	1	2
SG-35, T. Kawano	1	2
SG-36, P. Schillebeeckx	1	
SG-37, R. Mills	1	
SG-38, D. McNabb	1	2
SG-39, G. Palmiotti	1	2
SG-40, M. Chadwick	1	2
SG-41, H. Harada	1	
SG-42, G. Noguère	1	2

## Status as of WPEC-31 (2019)

SG-27, R. Jacqmin	1				
SG-28, M. Dunn	1	2	3		
SG-35, T. Kawano	1	2			
SG-36, P. Schillebeeckx	1				
SG-37, R. Mills	1	2			
SG-38, D. McNabb	1	2			
SG-39, G. Palmiotti	1	2	3		
SG-40, M. Chadwick	1	2	3	4	5
SG-41, H. Harada	1				
SG-42, G. Noguère	1	2	3	4	

## Status as of WPEC-32 (2020)

SG-27, R. Jacqmin	1	2			
SG-28, M. Dunn	1	2	3	4	
SG-35, T. Kawano	1	2			
SG-36, P. Schillebeeckx	1				
SG-37, R. Mills	1	2			
SG-38, D. McNabb	1	2	3		
SG-39, G. Palmiotti	1	2	3		
SG-40, M. Chadwick	1	2	3	4	5
SG-41, H. Harada	1	2	3	4	
SG-42, G. Noguère	1	2	3	4	5

## Status as of WPEC-33 (2021)

SG-27, R. Jacqmin	1	2	3	4	
SG-28, M. Dunn	1	2	3	4	5
SG-35, T. Kawano	1	2			
SG-36, P. Schillebeeckx	1				
SG-37, R. Mills	1	2	3		
SG-38, D. McNabb	1	2	3		
SG-39, G. Palmiotti	1	2	3		
SG-40, M. Chadwick	1	2	3	4	5
SG-41, H. Harada	1	2	3	4	5
SG-42, G. Noguère	1	2	3	4	5