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Subgroup on decay heat benchmark (proposal)





Follow-up of the SG12

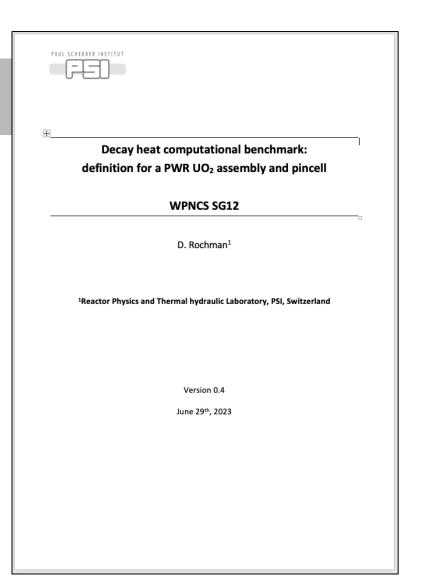
- During the SG12, the definition of a "Decay heat computational benchmark" was defined
 - Last version of June 29, 2023.
 - Many feedback/discussions within the SG12
 - Some participants already performed preliminary calculations

	Literature		
		Name 🤝	Modified 🗸
	10	Paper for ICNC2023 conference	November 25, 2022
	=11	Paper for the EPJ N journal	August 30, 2023
<		Proposal for a follow up computational benchmark	ovember 14, 2022
	mil.	STDSNF_DH code	November 14, 2022
		letter_of_support_KKG_calorimeter.pdf	June 5, 2023
	W	WPNCS_APS-DH_benchmark.docx	December 8, 2022





Follow-up of the SG12



1 2 2.1 2.2	INTRODUCTION	
2.1		3
	BENCHMARK DESCRIPTION	4
2.2	Description of assembly 0E2	4
	Description of a pincell from assembly 0E2	8
3	DECAY HEAT MEASUREMENTS FOR ASSEMBLY 0E2	9
4	REQUIRED OUTPUT	10
4.1	Irradiation and cooling grid	10
4.2	Nuclide concentrations	10
4.3	Decay heat	11
4.4	General information	11
4.5	Other information	11
List of	REFERENCES Figures Quarter symmetry representation of the assembly 0E2. Left: CASMO5 plot; Right: SCA circles are guide and instrument tubes, whereas green (left) and red (right) circles are	
List of	Figures Quarter symmetry representation of the assembly 0E2. Left: CASMO5 plot; Right: SCA	ALE plot. Large blue e UO ₂ rods6
List of Figure 1: Figure 2:	Figures Quarter symmetry representation of the assembly 0E2. Left: CASMO5 plot; Right: SCA circles are guide and instrument tubes, whereas green (left) and red (right) circles are View of pincell benchmark (colours represent the different zones of UO2, air, claddin	ALE plot. Large blue e UO ₂ rods6
List of Figure 1: Figure 2: List of Table 1:	Figures Quarter symmetry representation of the assembly 0E2. Left: CASMO5 plot; Right: SCA circles are guide and instrument tubes, whereas green (left) and red (right) circles are View of pincell benchmark (colours represent the different zones of UO2, air, claddin	ALE plot. Large blue e UO ₂ rods6 ng and coolant)8
List of Figure 1: Figure 2: List of	Figures Quarter symmetry representation of the assembly 0E2. Left: CASMO5 plot; Right: SCA circles are guide and instrument tubes, whereas green (left) and red (right) circles are View of pincell benchmark (colours represent the different zones of UO2, air, claddin	ALE plot. Large blue e UO ₂ rods6 ng and coolant)8
List of Figure 1: Figure 2: List of Table 1: Table 2:	Figures Quarter symmetry representation of the assembly 0E2. Left: CASMO5 plot; Right: SCA circles are guide and instrument tubes, whereas green (left) and red (right) circles are View of pincell benchmark (colours represent the different zones of UO2, air, claddin	ALE plot. Large blue e UO2 rods
List of Figure 1: Figure 2: List of Table 1: Table 2: Table 3:	Figures Quarter symmetry representation of the assembly 0E2. Left: CASMO5 plot; Right: SCA circles are guide and instrument tubes, whereas green (left) and red (right) circles are View of pincell benchmark (colours represent the different zones of UO2, air, claddin Tables General information for assembly 0E2 – part 1	ALE plot. Large blue e UO; rods
List of Figure 1: Figure 2: List of Table 1: Table 2: Table 3: Table 4:	Figures Quarter symmetry representation of the assembly 0E2. Left: CASMO5 plot; Right: SCA circles are guide and instrument tubes, whereas green (left) and red (right) circles are View of pincell benchmark (colours represent the different zones of UO2, air, claddin Tables General information for assembly 0E2 – part 1. General information for assembly 0E2 – part 2. Cold dimensions.	ALE plot. Large blue e UO; rods
List of Figure 1: Figure 2: List of Table 1:	Figures Quarter symmetry representation of the assembly 0E2. Left: CASMO5 plot; Right: SCA circles are guide and instrument tubes, whereas green (left) and red (right) circles are View of pincell benchmark (colours represent the different zones of UO2, air, claddin Tables General information for assembly 0E2 – part 1. General information for assembly 0E2 – part 2. Cold dimensions. Irradiation information for assembly 0E2. General information for pincell.	ALE plot. Large blue e UO ₂ rods

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Follow-up of the SG12

- The Activity Proposal Sheet (APS) was sent in November 2023
- Justification:
 - estimation of decay heat,
 - biases, user/code/library effects,
 - Impact of input parameters (e.g. burnup)
- Plan:

Milestones vs. time	T0: Accepted proposal and establishment of Subgroup T1: T0 + 3 months: benchmark specifications T2: T0 + 9 months: calculations performed T3: T0 +1.5 years: results analyzed T4: T0 + 2 years: Report/publication of the results
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- Results: benchmark description and analysis of results
- Preliminary list of >20 participants

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