Workshop for Applied Nuclear Data Activities (WANDA 2022) [FINAL]

Thursday, 3 March 2022

Session Six: Nuclear Data adjustments and Impact on Applications (12:30 - 16:30)

-Conveners: Denise Neudecker; Amanda Lewis; Robert Casperson

12:30 [23] Introduction to Nuclear Data Adjustment 12:45 [116] NP Perspectives on Advancing the Nuclear Data Pipeline 12:45 [116] NP Perspectives on Advancing the Nuclear Data Pipeline 13:00 [24] Context of Adjustment & Session Overview NEUDECKER (LANL), Denise 13:00 [25] Discussion on Adjustment 13:05 [26] A Review of the Nuclear Data Adjustment Activities within WPEC Sub-groups 13:20 [27] Nuclear Data Uncertainties and its Impact on Design Margins and Advanced Reactor Licensing 13:35 [28] Nuclear Data Adjustment with Whisper for Criticality Safety Applications 13:50 [29] EUCLID Adjustment Including Multiple Integral Responses 14:05 [30] Discussion on Use Cases 14:45 [31] Stumbling Blocks, Needs and Available Resources for Creating Adjusted Libraries 14:55 [32] Better Data for Better Models: Evolving Needs for Nuclear Data Adjustment 15:05 [33] Not All Integral Benchmarks are Created Equal: Words of Caution for Data Adjustment Adjusters 15:15 [34] Challenges for Data Adjustment and Bias Quantification MARSHALL (ORNL), Doro 15:25 [35] Discussion on Stumbling Blocks and Needs	time	[id] title	presenter
12:50 [24] Context of Adjustment & Session Overview 13:00 [25] Discussion on Adjustment 13:05 [26] A Review of the Nuclear Data Adjustment Activities within WPEC Sub-groups 13:20 [27] Nuclear Data Uncertainties and its Impact on Design Margins and Advanced Reactor Licensing 13:35 [28] Nuclear Data Adjustment with Whisper for Criticality Safety Applications 13:50 [29] EUCLID Adjustment Including Multiple Integral Responses 14:05 [30] Discussion on Use Cases 14:30 Break 14:45 [31] Stumbling Blocks, Needs and Available Resources for Creating Adjusted Libraries 14:55 [32] Better Data for Better Models: Evolving Needs for Nuclear Data Adjustment 15:05 [33] Not All Integral Benchmarks are Created Equal: Words of Caution for Data Adjusters 15:15 [34] Challenges for Data Adjustment and Bias Quantification MARSHALL (ORNL), Doro	12:30	[23] Introduction to Nuclear Data Adjustment	CASPERSON (LLNL), Robert
13:00 [25] Discussion on Adjustment 13:05 [26] A Review of the Nuclear Data Adjustment Activities within WPEC Sub-groups 13:20 [27] Nuclear Data Uncertainties and its Impact on Design Margins and Advanced Reactor Licensing 13:35 [28] Nuclear Data Adjustment with Whisper for Criticality Safety Applications RISING (LANL), Michael 13:50 [29] EUCLID Adjustment Including Multiple Integral Responses HUTCHINSON (LANL), Jesson 14:05 [30] Discussion on Use Cases 14:30 Break 14:45 [31] Stumbling Blocks, Needs and Available Resources for Creating Adjusted Libraries 14:55 [32] Better Data for Better Models: Evolving Needs for Nuclear Data Adjustment 15:05 [33] Not All Integral Benchmarks are Created Equal: Words of Caution for Data Adjusters 15:15 [34] Challenges for Data Adjustment and Bias Quantification MARSHALL (ORNL), Doro	12:45	[116] NP Perspectives on Advancing the Nuclear Data Pipeline	JANKOWSKI (DOE), Keith
13:05 [26] A Review of the Nuclear Data Adjustment Activities within WPEC Sub-groups 13:20 [27] Nuclear Data Uncertainties and its Impact on Design Margins and Advanced Reactor Licensing 13:35 [28] Nuclear Data Adjustment with Whisper for Criticality Safety Applications 13:50 [29] EUCLID Adjustment Including Multiple Integral Responses 14:05 [30] Discussion on Use Cases 14:30 Break 14:45 [31] Stumbling Blocks, Needs and Available Resources for Creating Adjusted Libraries 14:55 [32] Better Data for Better Models: Evolving Needs for Nuclear Data Adjustment HILL (NEA), Ian 15:05 [33] Not All Integral Benchmarks are Created Equal: Words of Caution for Data Adjusters 15:15 [34] Challenges for Data Adjustment and Bias Quantification MARSHALL (ORNL), Doro	12:50	[24] Context of Adjustment & Session Overview	NEUDECKER (LANL), Denise
Sub-groups 13:20 [27] Nuclear Data Uncertainties and its Impact on Design Margins and Advanced Reactor Licensing 13:35 [28] Nuclear Data Adjustment with Whisper for Criticality Safety Applications RISING (LANL), Michael 13:50 [29] EUCLID Adjustment Including Multiple Integral Responses HUTCHINSON (LANL), Jesson 14:05 [30] Discussion on Use Cases 14:30 Break 14:45 [31] Stumbling Blocks, Needs and Available Resources for Creating Adjusted Libraries 14:55 [32] Better Data for Better Models: Evolving Needs for Nuclear Data Adjustment HILL (NEA), Ian 15:05 [33] Not All Integral Benchmarks are Created Equal: Words of Caution for Data Adjusters 15:15 [34] Challenges for Data Adjustment and Bias Quantification MARSHALL (ORNL), Doro	13:00	[25] Discussion on Adjustment	
Advanced Reactor Licensing 13:35 [28] Nuclear Data Adjustment with Whisper for Criticality Safety Applications RISING (LANL), Michael 13:50 [29] EUCLID Adjustment Including Multiple Integral Responses HUTCHINSON (LANL), Jesson 14:05 [30] Discussion on Use Cases 14:30 Break 14:45 [31] Stumbling Blocks, Needs and Available Resources for Creating Adjusted Libraries 14:55 [32] Better Data for Better Models: Evolving Needs for Nuclear Data Adjustment HILL (NEA), Ian 15:05 [33] Not All Integral Benchmarks are Created Equal: Words of Caution for Data Adjusters 15:15 [34] Challenges for Data Adjustment and Bias Quantification MARSHALL (ORNL), BJ 15:25 [81] SCALE Covariance Approach WIARDA (ORNL), Doro	13:05		CABELLOS (UPM), Oscar
13:50 [29] EUCLID Adjustment Including Multiple Integral Responses HUTCHINSON (LANL), Jesson 14:05 [30] Discussion on Use Cases 14:30 Break 14:45 [31] Stumbling Blocks, Needs and Available Resources for Creating Adjusted Libraries 14:55 [32] Better Data for Better Models: Evolving Needs for Nuclear Data Adjustment HILL (NEA), Ian 15:05 [33] Not All Integral Benchmarks are Created Equal: Words of Caution for Data Adjusters 15:15 [34] Challenges for Data Adjustment and Bias Quantification MARSHALL (ORNL), BJ 15:25 [81] SCALE Covariance Approach WIARDA (ORNL), Doro	13:20		DRZEWIECKI (NRC), Timothy
14:05 [30] Discussion on Use Cases 14:30 Break 14:45 [31] Stumbling Blocks, Needs and Available Resources for Creating Adjusted Libraries 14:55 [32] Better Data for Better Models: Evolving Needs for Nuclear Data Adjustment HILL (NEA), Ian 15:05 [33] Not All Integral Benchmarks are Created Equal: Words of Caution for Data Adjusters 15:15 [34] Challenges for Data Adjustment and Bias Quantification MARSHALL (ORNL), BJ 15:25 [81] SCALE Covariance Approach WIARDA (ORNL), Doro	13:35	[28] Nuclear Data Adjustment with Whisper for Criticality Safety Applications	RISING (LANL), Michael
14:30 Break 14:45 [31] Stumbling Blocks, Needs and Available Resources for Creating Adjusted Libraries 14:55 [32] Better Data for Better Models: Evolving Needs for Nuclear Data Adjustment 15:05 [33] Not All Integral Benchmarks are Created Equal: Words of Caution for Data Adjusters 15:15 [34] Challenges for Data Adjustment and Bias Quantification MARSHALL (ORNL), BJ 15:25 [81] SCALE Covariance Approach WIARDA (ORNL), Doro	13:50	[29] EUCLID Adjustment Including Multiple Integral Responses	HUTCHINSON (LANL), Jesson
14:45 [31] Stumbling Blocks, Needs and Available Resources for Creating Adjusted Libraries 14:55 [32] Better Data for Better Models: Evolving Needs for Nuclear Data Adjustment 15:05 [33] Not All Integral Benchmarks are Created Equal: Words of Caution for Data Adjusters 15:15 [34] Challenges for Data Adjustment and Bias Quantification MARSHALL (ORNL), BJ 15:25 [81] SCALE Covariance Approach WIARDA (ORNL), Doro	14:05	[30] Discussion on Use Cases	
Libraries 14:55 [32] Better Data for Better Models: Evolving Needs for Nuclear Data Adjustment HILL (NEA), Ian 15:05 [33] Not All Integral Benchmarks are Created Equal: Words of Caution for Data Adjusters 15:15 [34] Challenges for Data Adjustment and Bias Quantification MARSHALL (ORNL), BJ 15:25 [81] SCALE Covariance Approach WIARDA (ORNL), Doro	14:30	Break	
15:05 [33] Not All Integral Benchmarks are Created Equal: Words of Caution for Data Adjusters 15:15 [34] Challenges for Data Adjustment and Bias Quantification MARSHALL (ORNL), BJ 15:25 [81] SCALE Covariance Approach WIARDA (ORNL), Doro	14:45		LEWIS (NNL), Amanda
Adjusters 15:15 [34] Challenges for Data Adjustment and Bias Quantification MARSHALL (ORNL), BJ 15:25 [81] SCALE Covariance Approach WIARDA (ORNL), Doro	14:55	[32] Better Data for Better Models: Evolving Needs for Nuclear Data Adjustment	HILL (NEA), Ian
15:25 [81] SCALE Covariance Approach WIARDA (ORNL), Doro	15:05		PERCHER (LLNL), Catherine
	15:15	[34] Challenges for Data Adjustment and Bias Quantification	MARSHALL (ORNL), BJ
15:35 [35] Discussion on Stumbling Blocks and Needs	15:25	[81] SCALE Covariance Approach	WIARDA (ORNL), Doro
	15:35	[35] Discussion on Stumbling Blocks and Needs	
16:00 [36] Discussion on what should go in summary document	16:00	[36] Discussion on what should go in summary document	