DOE-NNSA-NCSP
Analytical Methods Working Group

Meeting at ORNL, 26 March 2018, 1:00 – 4:30

Agenda

I. **Technical discussions on NCS Analytical Methods**　　　　**[1:00 – 2:30]**

　　Brief introduction, then group discussion & shared experience, for each topic.

A. Code modernization efforts　　　　　　　　　　　　　　(Brown, LANL)
B. COG/ORIGEN discrepancies in delayed gammas　　　　　(Miller, ORNL)
C. MCNP options for delayed gammas from fission　　　　　(Rising, LANL)
D. E vs c_k integral parameters for similarity assessment　　(Clarity, ORNL)
E. Pu solution chemistry issues　　　　　　　　　　　　　(Alwin, LANL)
F. Status of tests for MC undersampling　　　　　　　　　(Perfetti, ORNL)
G. RNGs for transport Monte Carlo　　　　　　　　　　　(Brown, LANL)
H. Other discussion topics …..

II. **Comparison of ICSBEP benchmark results**　　　　　　**[2:30 – 3:30]**

A. First results of Monte Carlo codes and Nuclear data evaluations Intercomparison (Duhamel)
B. LANL-Sandia comparison of ICSBEP benchmark results (Brown)
C. Discuss status & develop plans/next steps for IRSN-LANL-ORNL-LLNL-other effort to compare k-effective results for a large set of ICSBEP benchmarks.

III. **Comparison of NCS validation tools**　　　　　　　　**[3:30 – 4:30]**

A. Discuss status & develop plans/next steps for the LANL-ORNL-IRSN efforts to compare SU-based NCS validation methods (scale-tsunami-tsurfer, mcnp6-whisper, moret-macsens)

Participants:

LANL	IRSN	ORNL	LLNL	Other
Forrest Brown	Stephane Evo	Thomas Miller	Will Zywiec	Open to all
Michael Rising	Isabelle Duhamel	Justin Clarity		in NCSP
Jen Alwin	Eric Dumonteil	BJ Marshall		community
		Chris Perfetti		