

Guided Discussion – Fusion Benchmarks

Michael L. Zerkle

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Fusion Benchmarks

- Fusion community CSEWG validation input in recent years has been in form of sensitivity studies on design study calculations
- Don't have many focus true fusion benchmarks
- Should we have a fusion validation subcommittee to focus on fusion reactor validation?
 - Majority of Validation committee has fission SME

Options for Fusion Relevant Benchmarks

- LLNL Pulsed Sphere on relevant fusion reactor materials
 - LLNL has recently evaluated LLNL HDPE pulsed sphere benchmark for SINBAD
 - Additional fusion reactor relevant materials could be benchmarked
- SINBAD
 - Couple tritium production benchmark are in development
 - FNG
- WANDA-2024 discussed need for tritium production benchmarks
 - TPBAR benchmark
- Other Ideas?
- **Need for focused strategic investment in fusion relevant benchmarks**

Other Options Fusion Relevant Benchmarks

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