SnT 2025 8 SEPTEMBER ONLINE DAY 9 TO 12 SEPTEMBER AT HOFBURG PALACE, VIENNA & ONLINE
CTBT: SCIENCE AND TECHNOLOGY CONFERENCE

Seismic Risk Evaluation of Nuclear Research Reactors in Indonesia: Enhancing Monitoring and Nuclear Test Verification

LIGHTNING TALK

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- Our poster presents a probabilistic seismic hazard analysis (PSHA) of Indonesia's nuclear research reactors: TRIGA 2000, Kartini, and Swabesi.
- This evaluation is critical for nuclear safety assurance and CTBTO seismic monitoring for test verification.
- We applied fault-based models, multiple GMPEs, and soil amplification analysis, validated against previous studies.
- Key result: TRIGA 2000 shows the highest hazard (~0.30g), Kartini is moderate (~0.30g), and Swabesi (~0.20g) is strongly affected by soil–structure interaction. For further discussion, please visit us at the poster.

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