

IER 498: Godiva-IV CAAS benchmark

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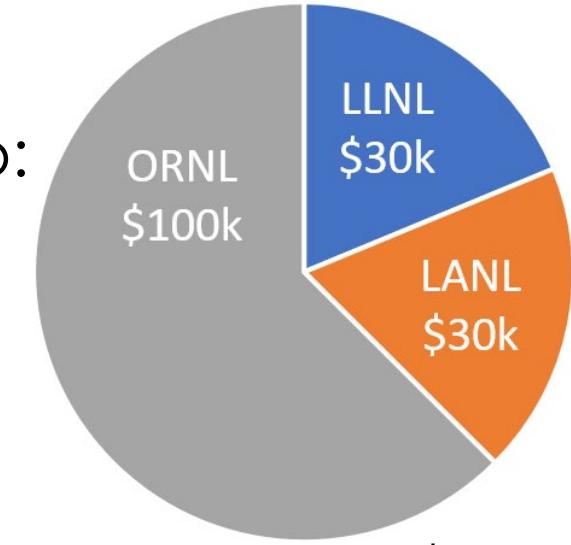
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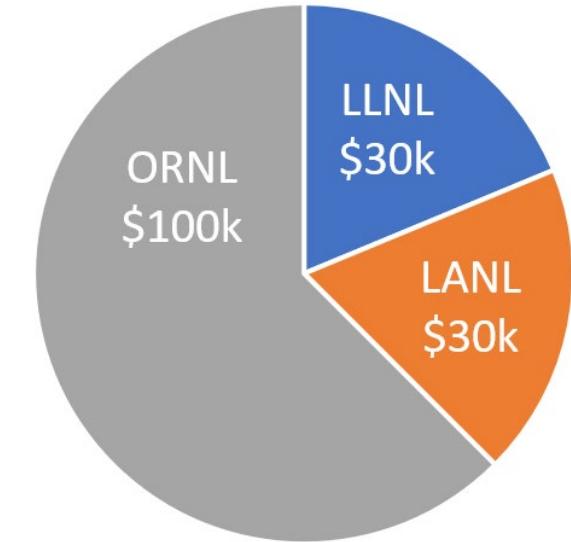
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IER 498: Godiva-IV criticality accident alarm system (CAAS) benchmark

- Goal: create CAAS benchmark capability for Godiva-IV to:
 - create a shielding benchmark for NCSP software and data,
 - add geometrically diverse benchmark(s) to the ICSBEP Handbook,
 - enable more precise measurements at NCERC, and
 - help assure CAAS performance is as-stated.
- Work Completed in FY2019: Completed CED-1
 - Developed an experimental design for a CAAS benchmark
 - Design addresses biases and uncertainties using
 - a clearly defined control case and
 - a room return shield to eliminate spurious counts
- Future Work (FY2020) Complete CED-2
 - Refine the design to facilitate straightforward procurement, scheduling and cost estimation



CED1 Budget (\$160k)



CED2 Budget (\$160k)
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