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# **US Nuclear Data Program**

**WANDA 2022**

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U.S. DEPARTMENT OF  
**ENERGY**

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# Agenda

- ▶ **Nuclear Data in FY21**
  - ▶ **FOA**
  - ▶ **Initiatives and Outreach**
- ▶ **Nuclear Data in FY22**

# Nuclear Data in FY21 - FOA

- ▶ **BLUF:** Tight budget and large response led to much longer timeline
- ▶ **Submission stats:** Three topic areas, 79 submissions to NP (~50 projects). 63 reviewers, many of which are new reviewers (and some attending WANDA the first time last year or this year)
- ▶ **Selections:** In process
- ▶ **Some takeaways:** 1) Large interest in AI/ML methods within the community, 2) Still a need to capture legacy data; 3) Need to streamline process (more on this later..)

# Nuclear Data in FY21 – Initiatives and Outreach

- ▶ **Annual site visits to USNDP:** Opportunity for each site to highlight what they've done and what they'd like to do
- ▶ **Outreach:** Prior WANDA sessions expressed the likelihood we're missing some areas
  - ▶ New interagency partners: NASA, Missile Defense Agency, ARPA-E
    - ▶ Areas of interest: higher energy nuclear data for human spaceflight and electronics protection, advanced reactor concepts
  - ▶ NP attendance at American Nuclear Society winter meeting
    - ▶ Dedicated session for nuclear data (Thanks Shikha Prasad for helping to organize!)
    - ▶ Identified other areas of interest include plasma science
  - ▶ Discussions with UK on nuclear data outreach to various communities

# Nuclear Data in FY22

- ▶ **FOA:** Working with partners for topics, but may have separate funding opportunities
  - ▶ More focused topics (NP)
  - ▶ Utilize Letters-of-Intent for down-selection
- ▶ **Outreach:** Continued efforts to identify federal programs and areas of interest
  - ▶ Increased attendance at meetings outside of traditional nuclear science
- ▶ **Initiatives:**
  - ▶ Nuclear Data Advisory Committee (NDAC) review of USNDP
  - ▶ Greater interaction in international nuclear data
  - ▶ Mini-workshop on a topic of interest for the community
  - ▶ Monthly webinar on nuclear data topics
  - ▶ Rapid response nuclear data

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**Thank you!**

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