IRSN needs

- Transportation and fabrication needs mostly for normal and abnormal conditions
- Concrete reflection (15 eV, 150eV) – limited data for configurations they need in this energy range
- Steel, water interaction (15eV, 450eV)
- Water reflection (150eV, 450eV, 770eV, 20eV-770eV)
- Lead reflection (150eV)
- Fixed absorbers-resins (450eV)

Action - IRSN provide more precise data for CED-0 on specific applications (Ivanova, Letang)

Use of different structural materials for abnormal criticality safety scenarios in conditions of different water densities

AWE needs

- Mostly for fabrication needs
- Hf for structural materials (currently little data of quality)
- Ta for structural materials (some data available but very limited)
- W for structural materials (nothing available to use right now)

Action - UK provide more precise data for CED-0 on specific applications (Dyrda)

US needs

- Mostly structural materials, some transportation needs, intermediate for abnormal conditions mostly
- Ni, Mo, Cr (Fe-Cr alloys), Mn structures for transportation
- Cu (especially for understanding Zeus), V, Ti as materials of interest
- 239Pu and 240 Pu – don’t perform well in intermediate range

- Priority of needs:
- Pu239
- Pu240
- U238
- U235

- Temperature variations
- Water density variation
- Steel
- Lead
- Hf
- Ta
- W
- Ni
- Mo
- Cr
- Mn
- Cu
- V
- Ti
- Concrete reflection, lack of concrete characterization (water content)