

Working Session 1: Scintillators

Discussion Topics: Scintillators

1. What physics could further advances in scintillator technology enable?

What capabilities are not possible with established scintillators as implemented in current detectors?
What driving factors most determine Ovbb sensitivity?

2. What performance is realistically achievable?

What can be achieved at detector scale and over the required lifetime?
What is plausible on the timescale of a next-generation experiment?
What other techniques, technologies, communities will we be effectively competing with?

3. What are the limiting factors?

Which are fundamental, which can be overcome?
What are the main scale-up challenges from R&D to implementation
Is there sufficient long-term community, international, and funding support to sustain the required development?

4. What R&D would most change what we think is possible?

What measurements, results, or demonstrations would be most decisive?
What could be realistically demonstrated within the next 5-10 years?