

The TESSERACT Project

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TESSERACT is currently in an R&D and planning phase, funded under the DOE Dark Matter New Initiatives program. This phase will result in two fully defined experiments (HeRALD and SPICE). Collaboration with French groups has recently been formalized, bringing a third technology to the suite. We will provide an overview of this general TESSERACT program as we transition to 'project' phase. In parallel to the ongoing effort of detector testing and demonstration, planning is accelerating for a facility of shielded dilution refrigerators at Modane Underground Laboratory. I will end by discussing the projected sensitivities of this ambitious and diverse TESSERACT detector suite to a wide range of sub-GeV dark matter masses and interaction types.

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