

NUCE 431W: Neutronics of a Fusion Plant

Weekly Progress Report

01/25/2026 - 01/31/2026

Project Manager(s): Dr. Andrei Khodak, [REDACTED]

Submitter: Rocco Lombardo, ral5748@psu.edu

Milestones	Planned Date	Actual Date	Comments
STAR Model Meshed	01/31/2026	01/29/2026	Built a mesh from SolidWorks STAR model
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Accomplished This Week:

General Description	Comments
SolidWorks Meshing	Successfully built mesh for whole STAR model.
2nd Meeting with Dr.Khodak	Discussed materials and next steps for developing successful OpenMC model of STAR

Planned for Next Week:

General Description	Comments
OpenMC Workflow	Document and outline workflow for simulating the STAR reactor inside OpenMC.
Port Mesh into CAD_TO_OPENMC	Try and successfully push mesh file through the CAD_TO_OPENMC command.