

# Letter of Interest to US-ATLAS

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# Goals of Lol

- Make US-ATLAS, and its management, “officially” aware of the DPE @ 420 m interest of the US-ATLAS members of US/FP420
- Give advance notice of tasks we would possibly undertake, and the funding costs these might entail

# Topics in the Lol:

- Goals, and pointers to the Physics arguments
- Scope of the US/FP420 project
  - detectors at 420 m
  - detectors at 240 m (for ATLAS)
- Possible US-ATLAS contributions to US/FP420
  - in-kind: modified connection cryostats for ATLAS IP
  - 3D edgeless detectors
  - Design/Engineering of detector mechanics