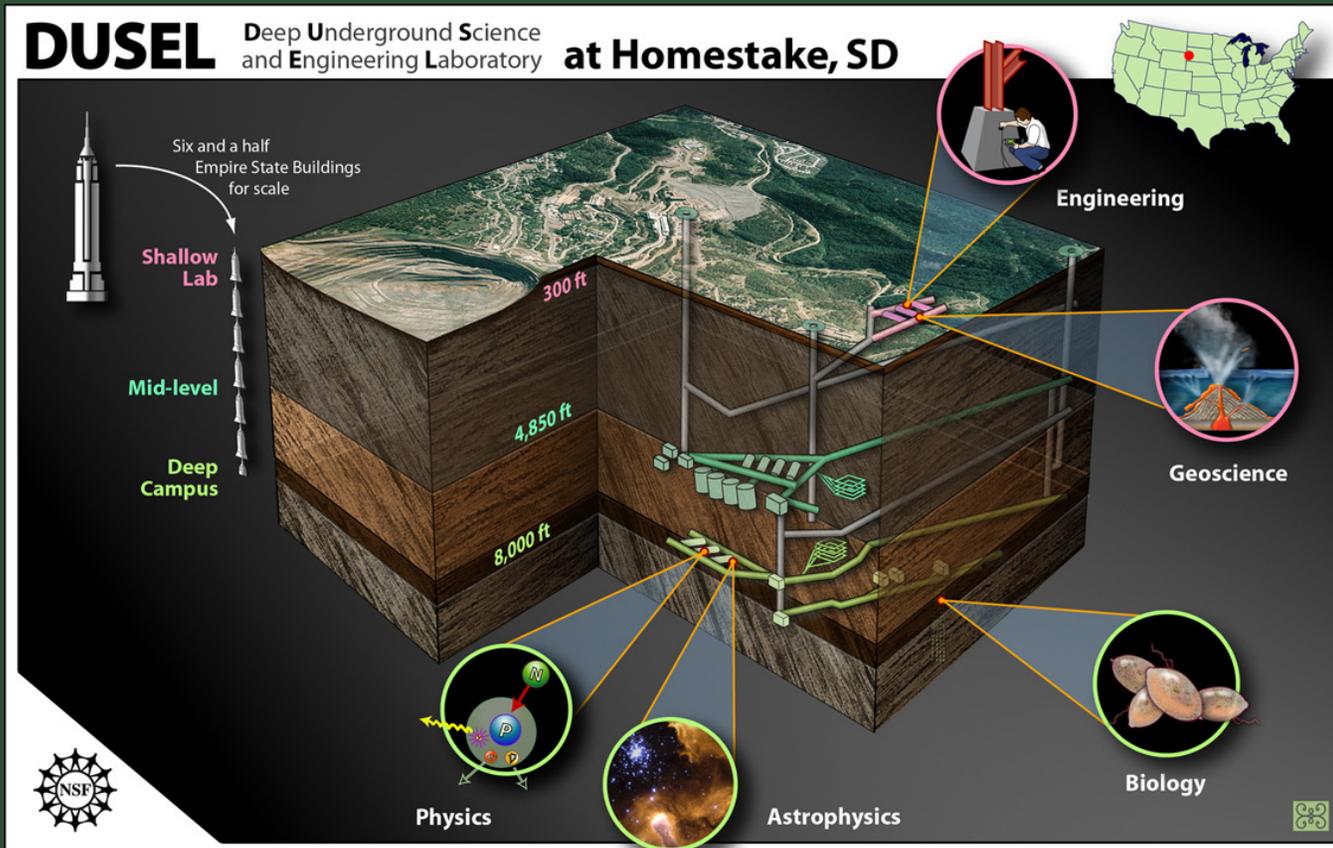


DIANA DUSEL Interface

Steve Marks



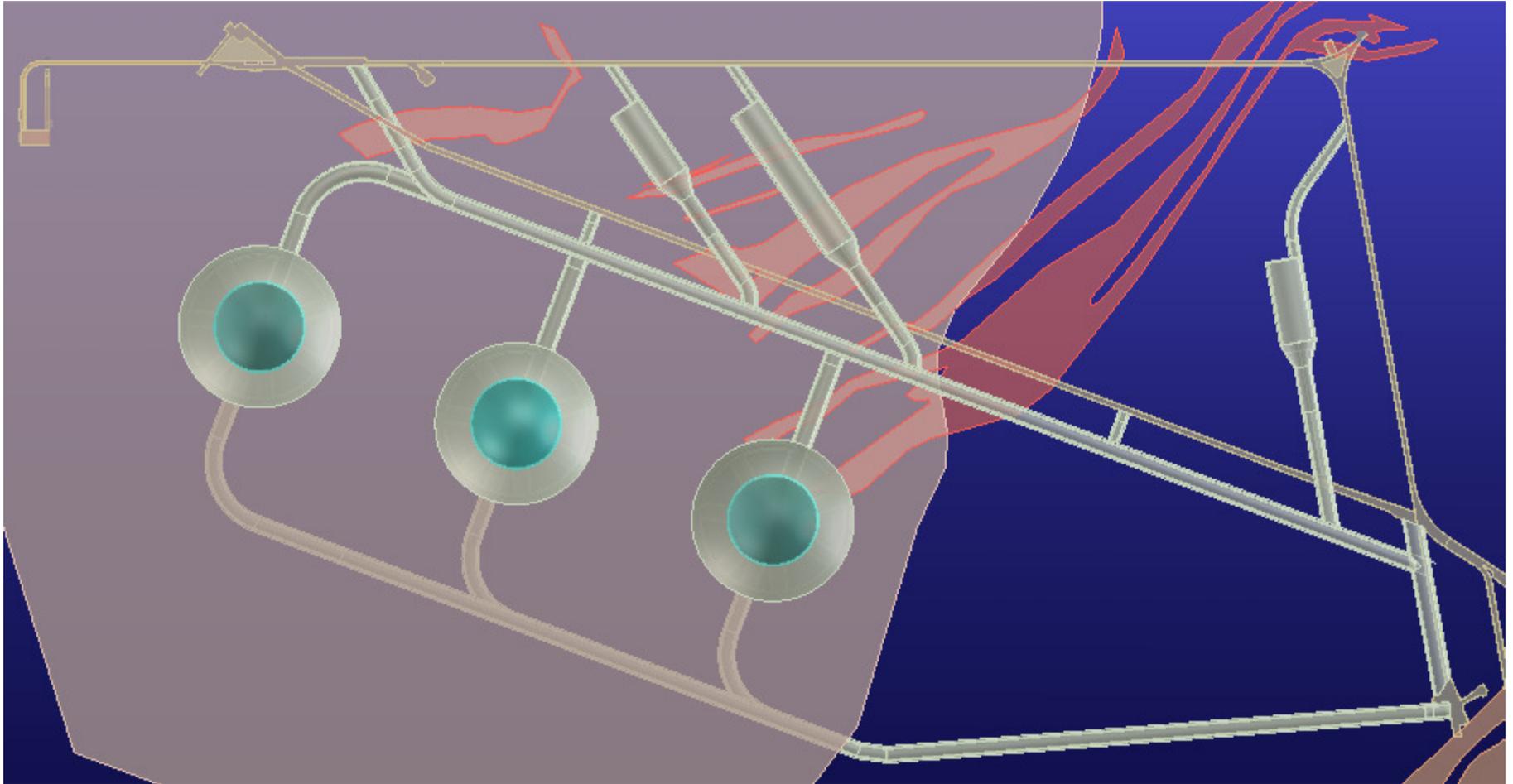
Infrastructure Model

- DUSEL will provide general purpose facilities
 - Underground cavern
 - Surface: machine shop, assembly, office, control room space, Sanford Education Center
 - 300 level: Low background receiving, machining, assembly, electroforming, storage
 - Low background counting facility
 - Equipment Car Wash
 - Air Filtration & Cooling room
 - Electrical Facilities Substation
 - Wash/Change room
 - Refuge Station/ Cafeteria
 - Waste Water Pre-treatment
- Experiment will provide specific instrumentation and equipment

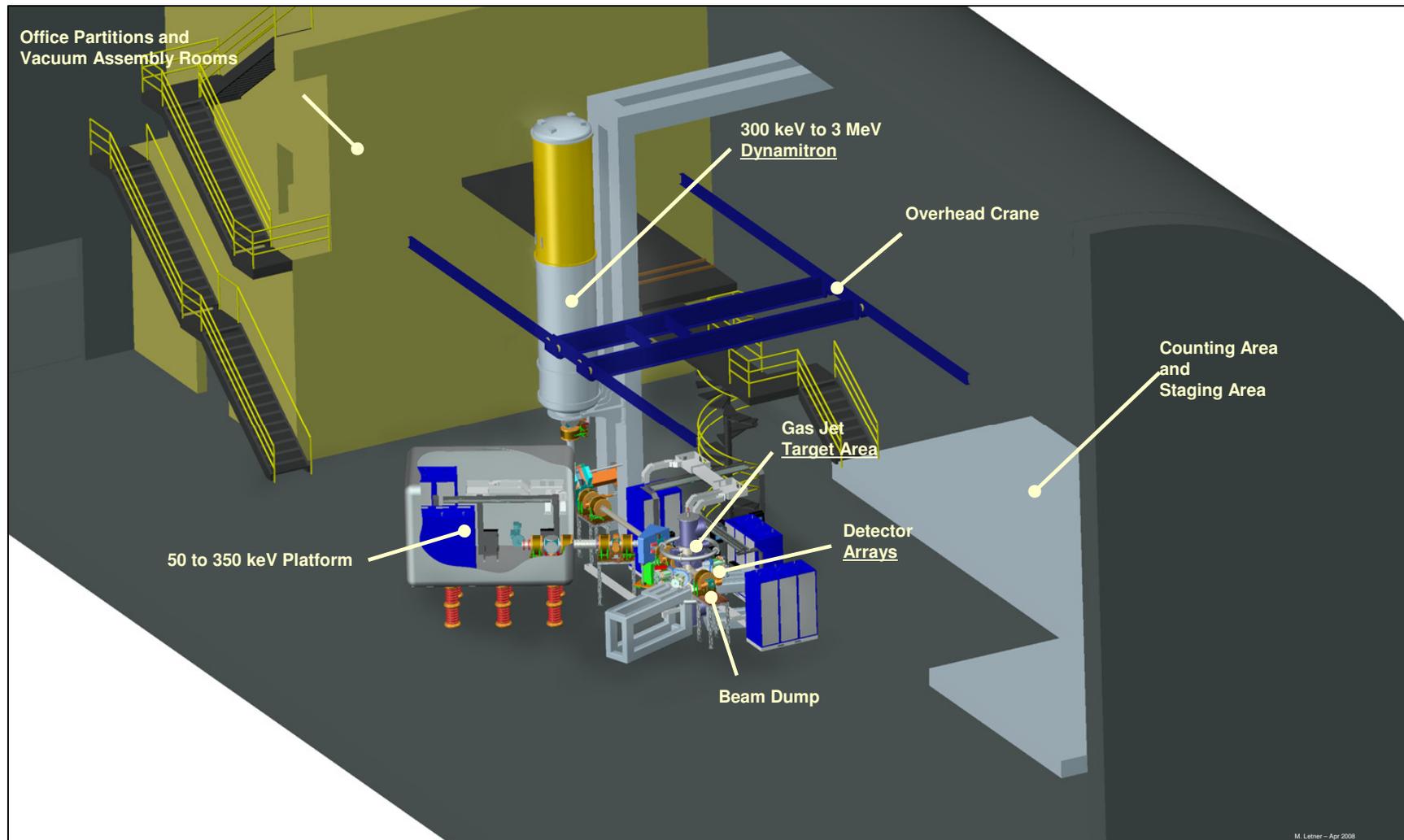
Cavern at 4850

- Generic cross-section: 20m wide, 20m high
- How long?
- How close can accelerator(s) be to other experiments? Can you share a cavern?
- Background sensitivity (rock properties)

4850 Conceptual Layout



DIANA Cavern



Interface to DUSEL

- We need to understand experiment requirements to insure that infrastructure is appropriate
- Integration of Facility and Experiment project management
 - Generic MS Project template