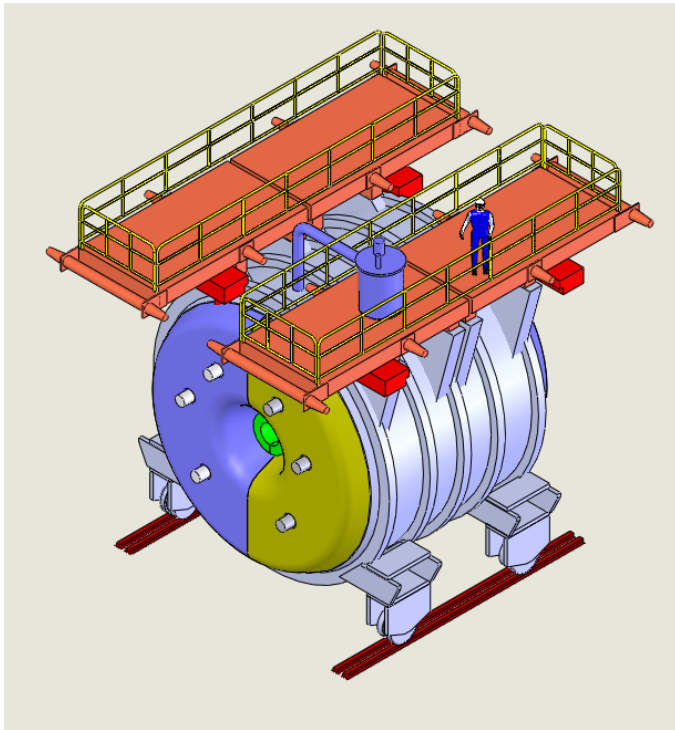


DUNE Near Detector Cavern Size Update

Our visit to INFN revealed just how large KLOE really is and the special considerations that are to be accounted for.

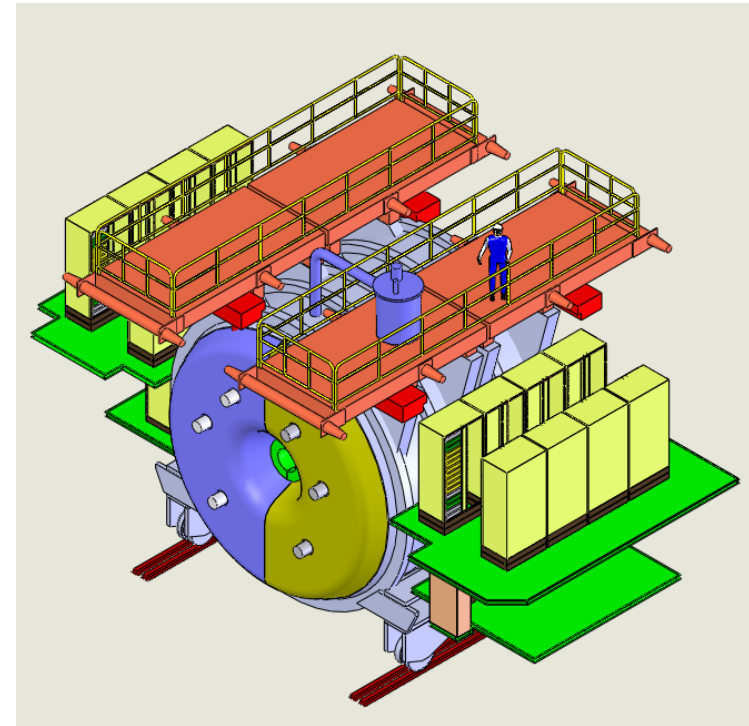


KLOE's size is better defined



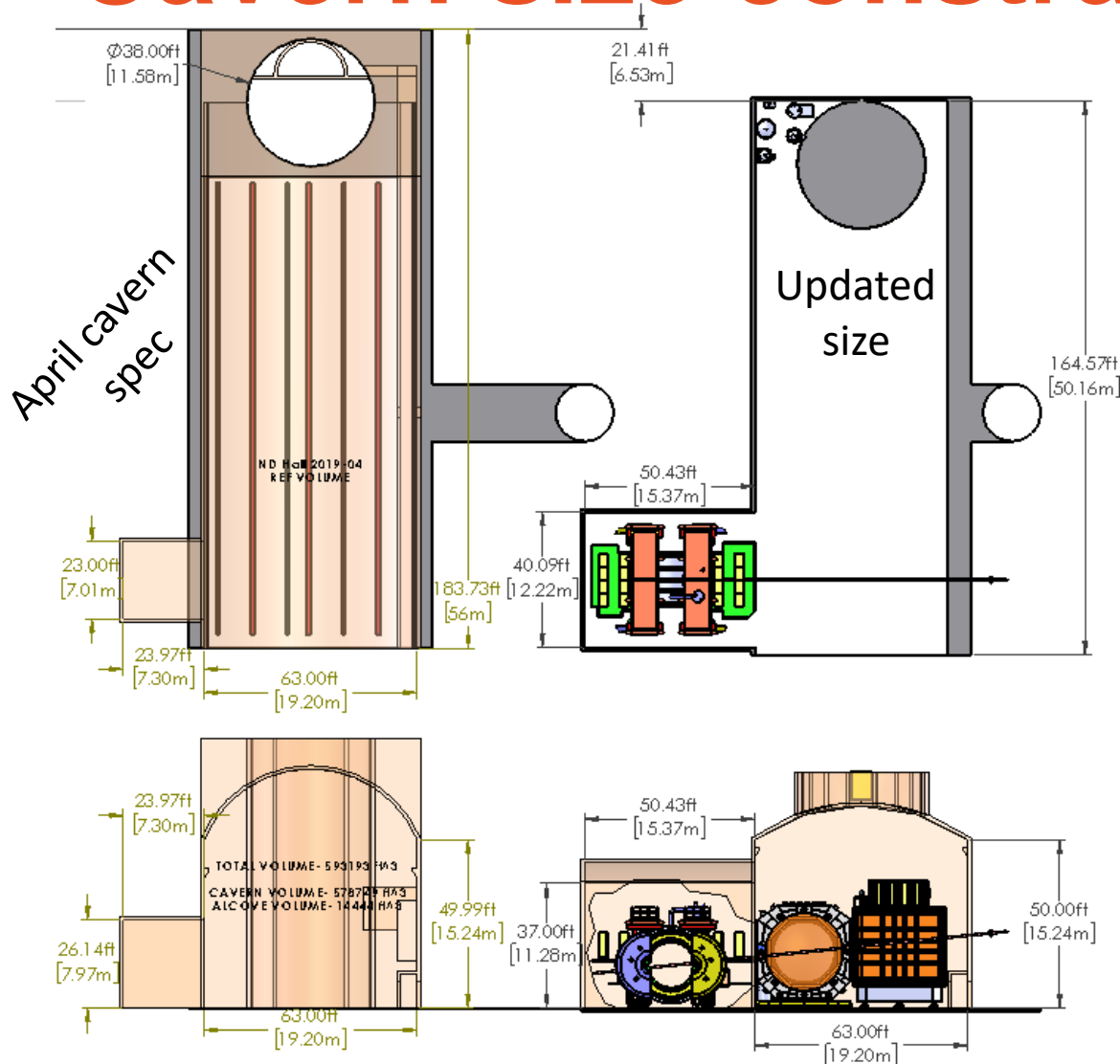
KLOE grew in size.

We now have a much better understanding on how large the supporting equipment and electronics really are



The Alcove needs to grow significantly to accept all of the hardware

Cavern size constraint



The volume of the cavern is currently constrained to the April 2019 spec.
(The volume does not include the arched ceiling)

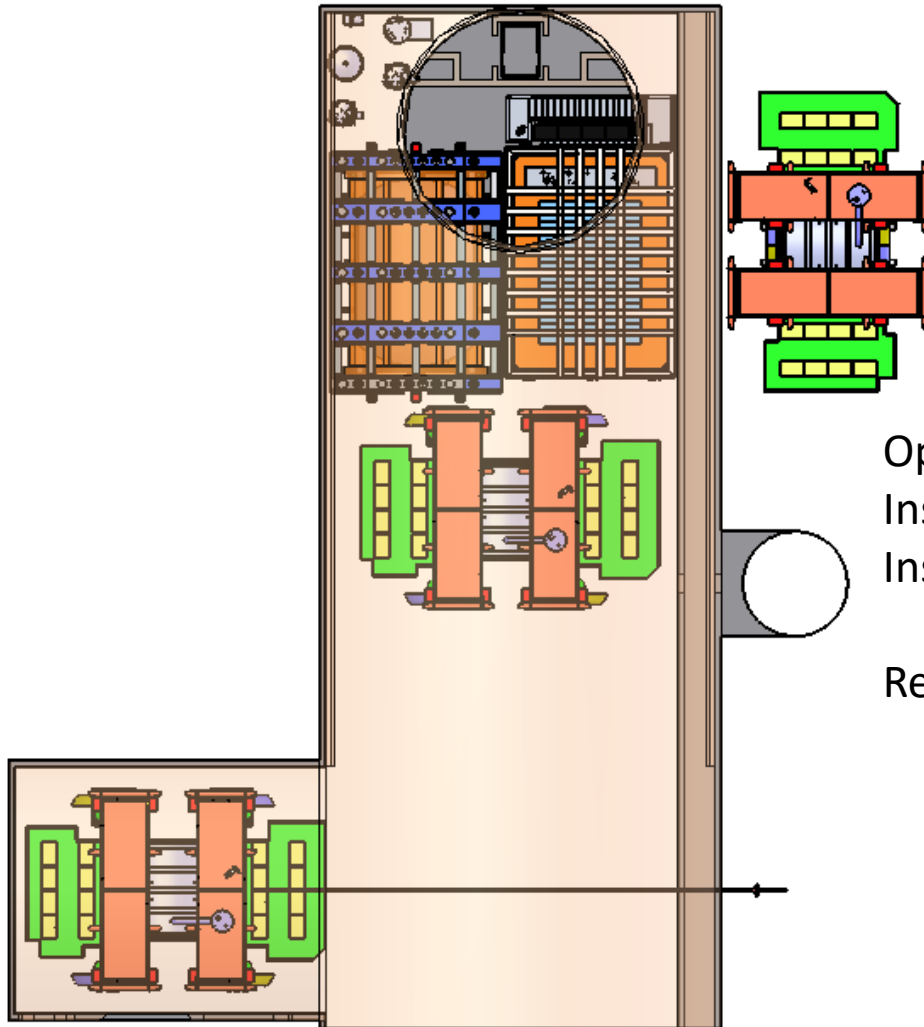
To maintain the same volume, the hall was shortened approx. 22 ft.

Detector assembly is performed under the vertical shaft. Crane capacity is currently limited to 15 tons.

A 15 ton crane above KLOE is desired - availability TBD.



KLOE's size changes things



Open issues:

Installation sequence

Installation methods when

- only a 15 ton crane is available

Revisit transport system for all detectors

EXTRAS



