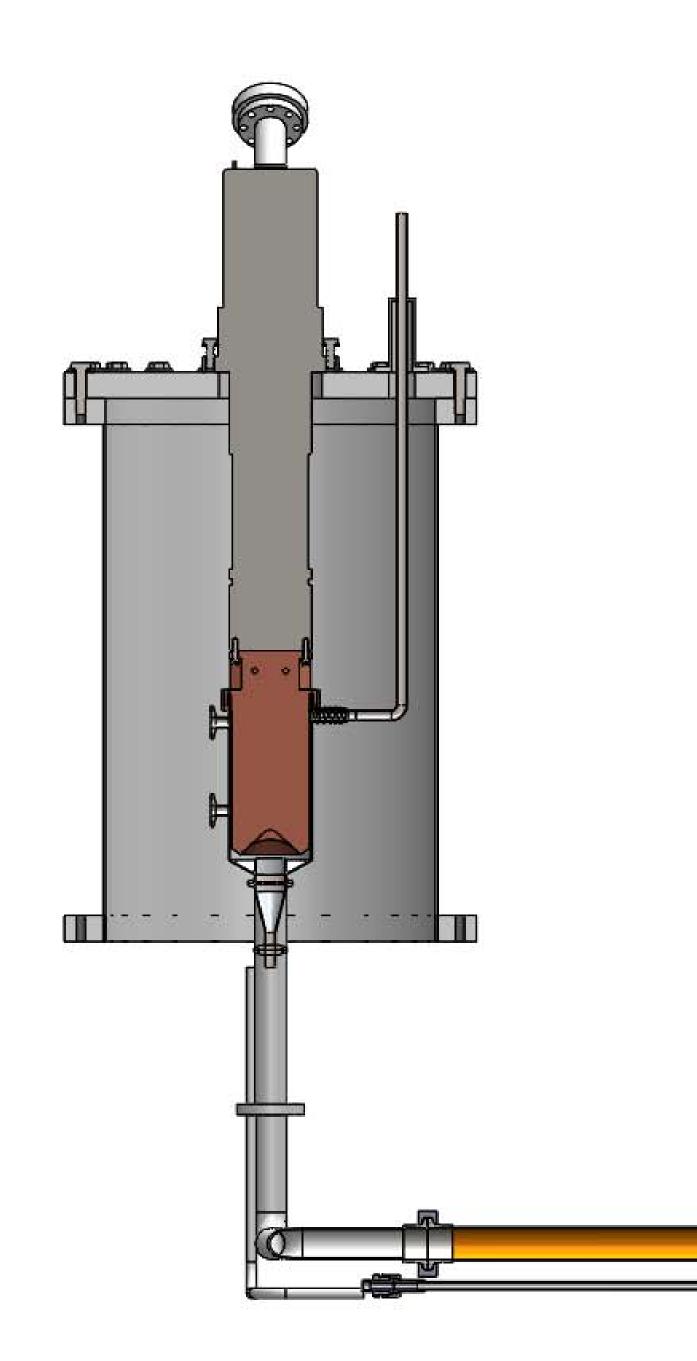
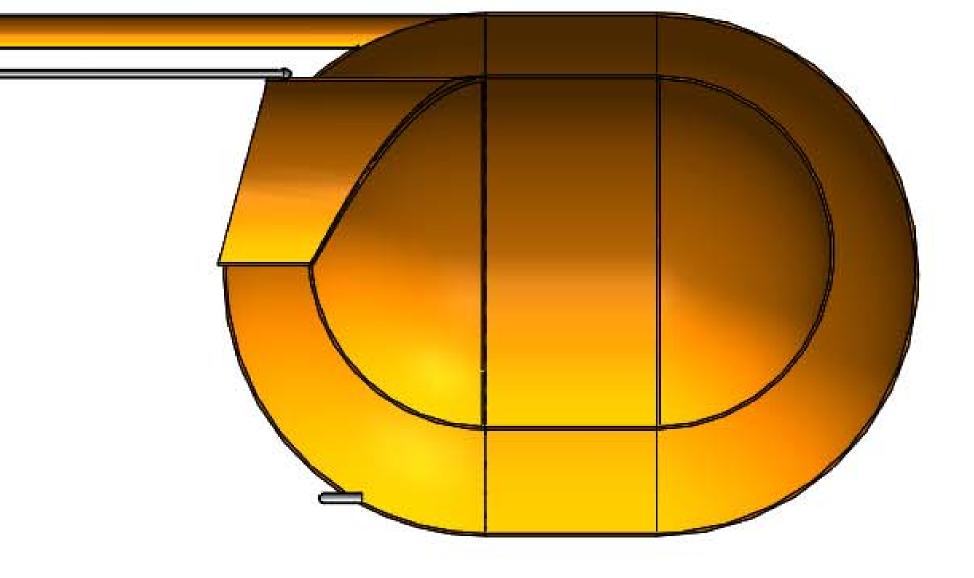
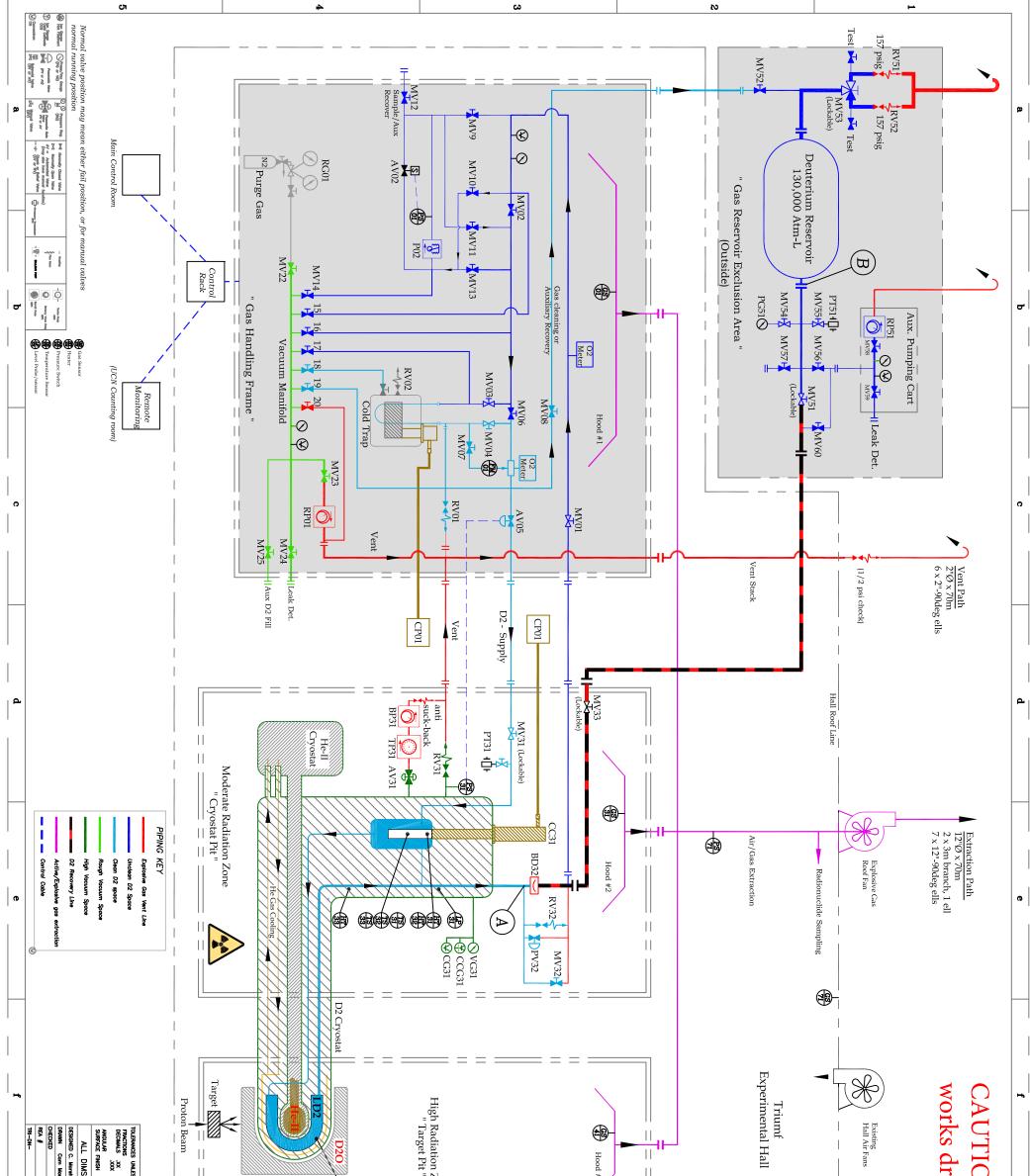
Liquid Deuterium Moderator Design Status Aug 7/2018

- Few comments returned on the concept design presented
- Design report was issued to Technical safety B.C.
- Main steps ahead before Technical review
 - o Confirmation of pressure code requirements for the vessel
 - $\circ~$ Completion of the design concept
 - Get a working model of the cooled vacuum wall
 - Develop the seal design considering radiation& cryogenic temperature.
 - Complete
 - Thermosyphon effect cooling initial study done (do we understand it enough?)
 - Backup plan is to use a circulation pump
 - Heat exchanger sizing calculation
 - Vessel stress initial study done
 - Static heat loads Initial study done
 - Beam heat loads done
 - Thermal contraction & Thermal stress On going
- Technical review of the design by qualified expert(s)







	WALESS OFFERMES SPECIFED		od #3		ION:Refer
 	1 Image: Constraint of the second rescond rescon	<u>General Notes</u> - Any changes to process	Recovery Path (A-B) 2" hose x 2m 2" pipe x 70 meters 2 x 3m parallel branch 7 x 2"-90deg ells		to master
 	CANADA'S NATIONAL MESON FACILITY Schematic Int INSO002	ess must be noted on this drawing			REF NA/DESCRIPTION MATERIAL QUAN
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