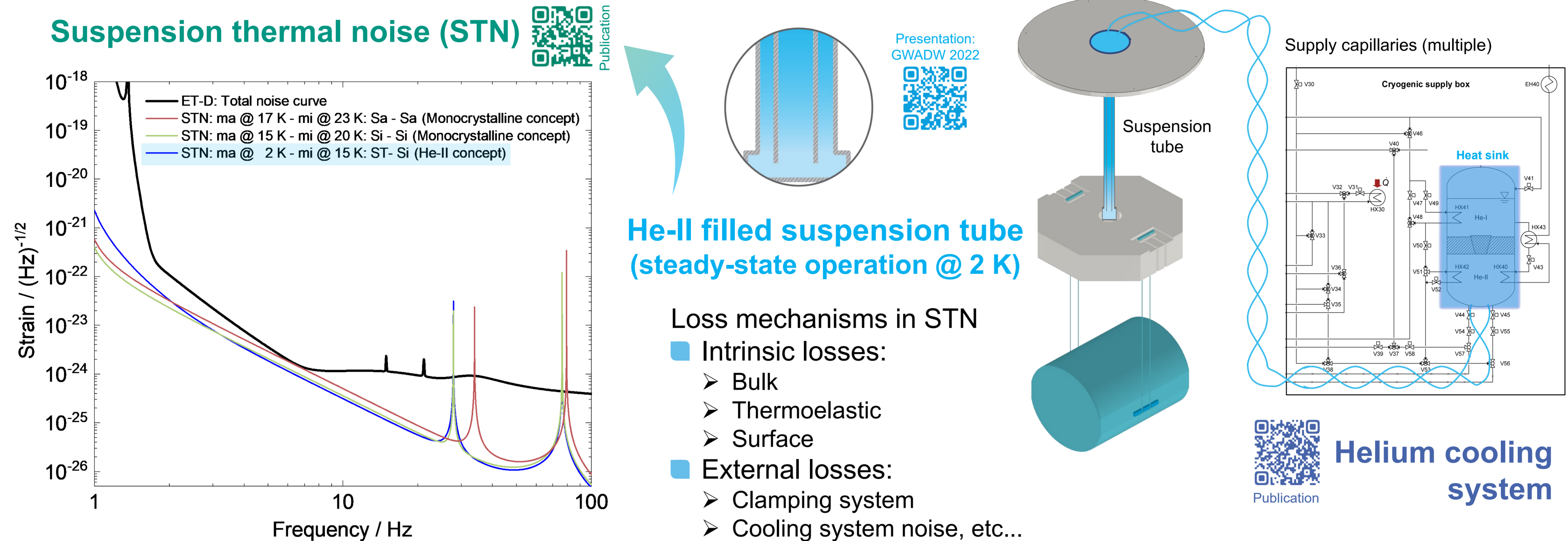


Test facility for experimental investigations of the He-II based ET-LF payload cooling concept

X. Koroveshi, S. Grohmann, M. Stamm, V. Mangano* and P. Rapagnani*

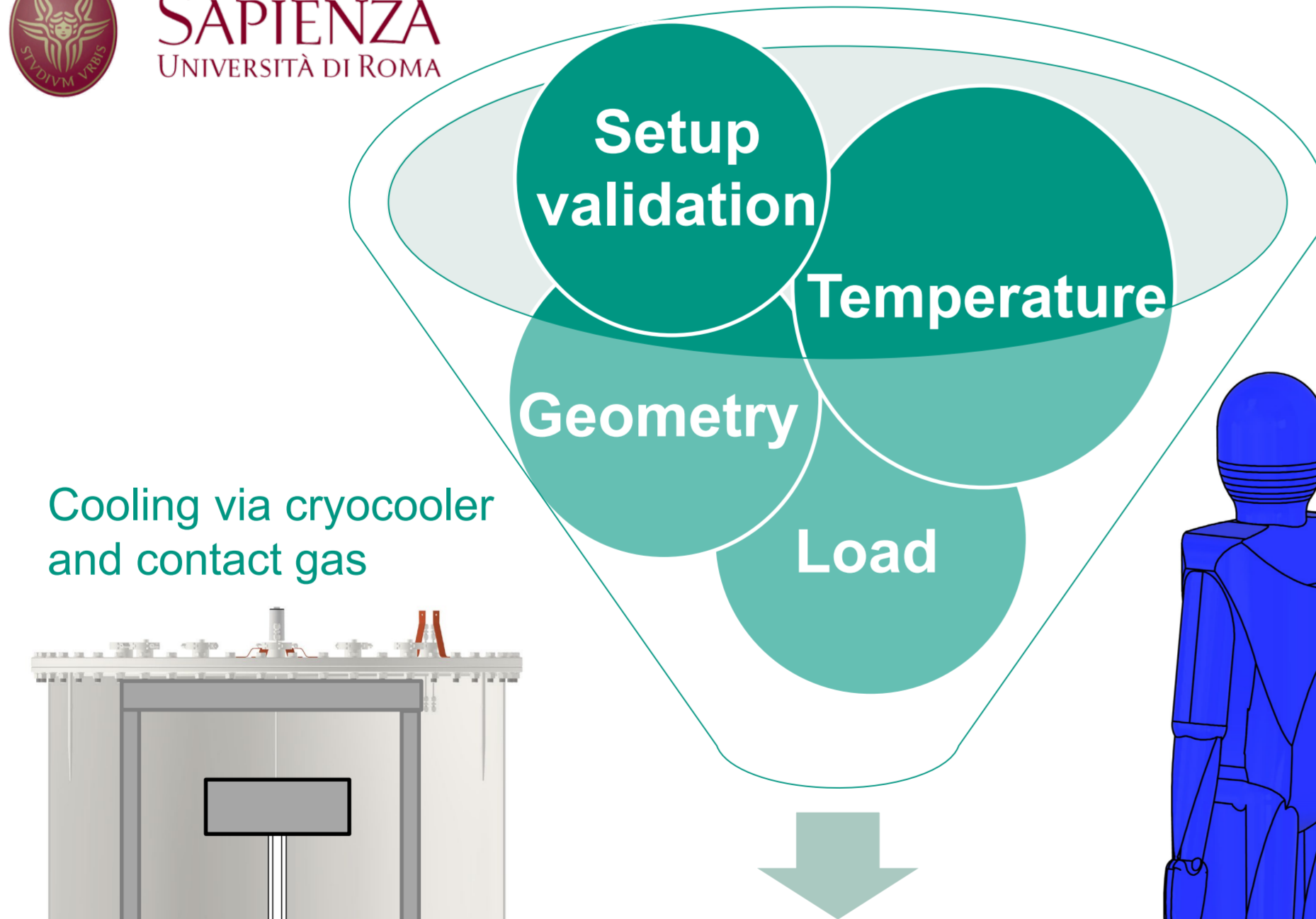
He-II based ET-LF payload cooling concept



Q-measurement test facility for suspensions

Phase 1: He-II free campaigns

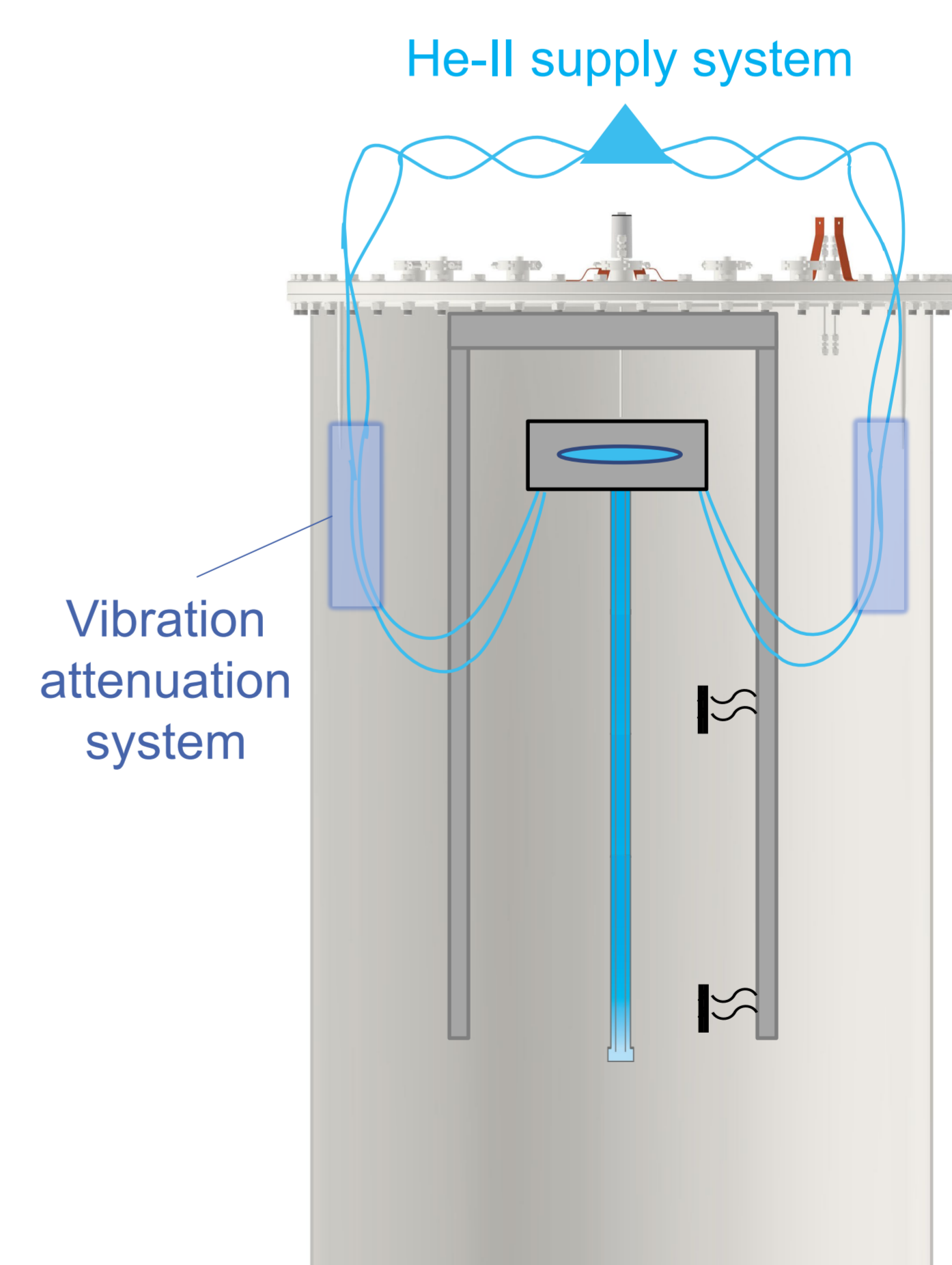
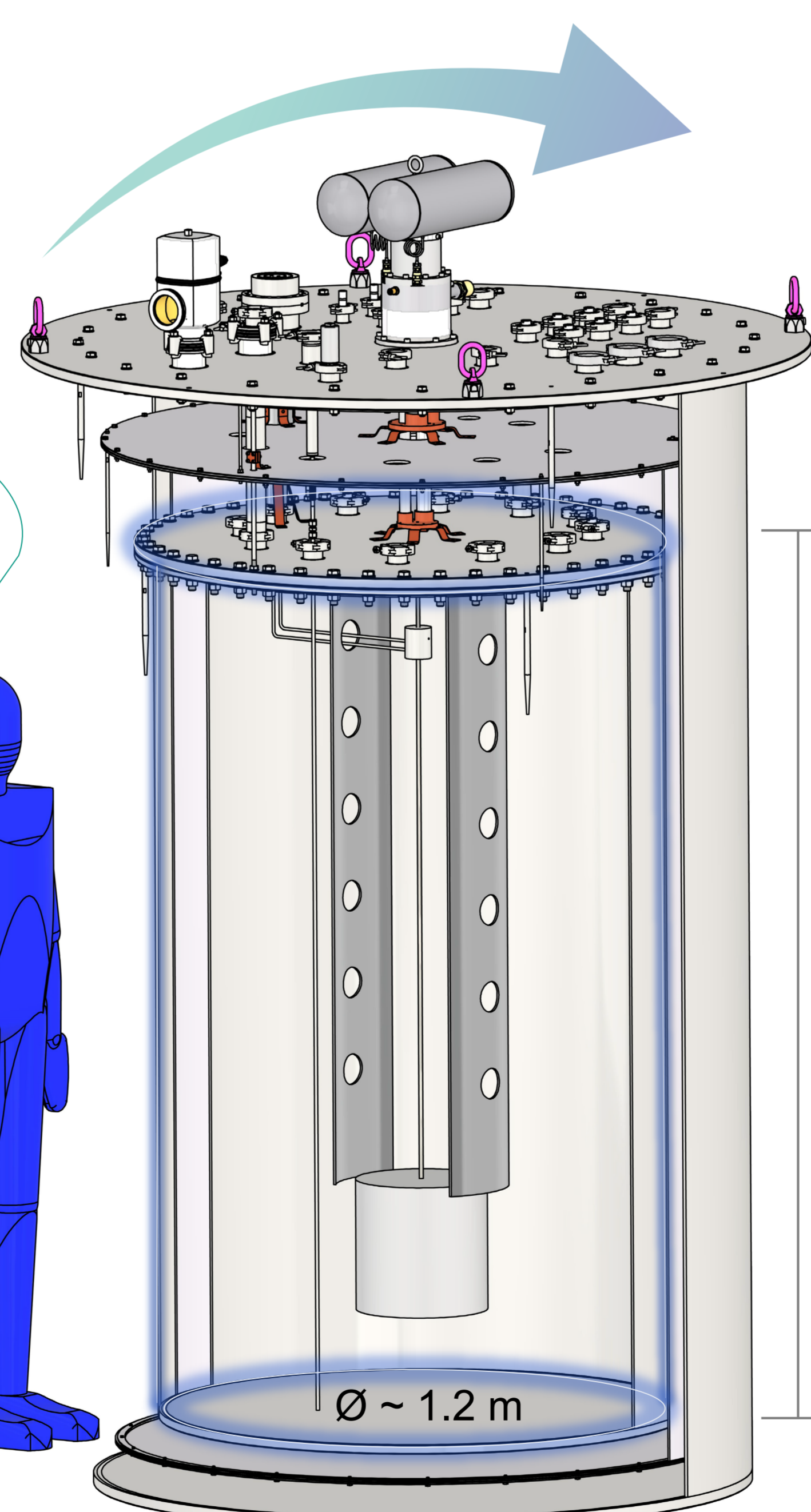
- ET-LF payload real-sized suspensions (Si, Sa, empty tubes)
- Investigation of loss mechanisms via parameter variation



- Know-how for He-II campaigns
- Enrichment of Q-literature data

Phase 2: He-II filled tube campaigns

- Vibration attenuation
- Support system design:
 - Supply capillary interface
- Cooling system transfer function
- Dissipations in He-II



xhesika.koroveshi@kit.edu
steffen.grohmann@kit.edu

