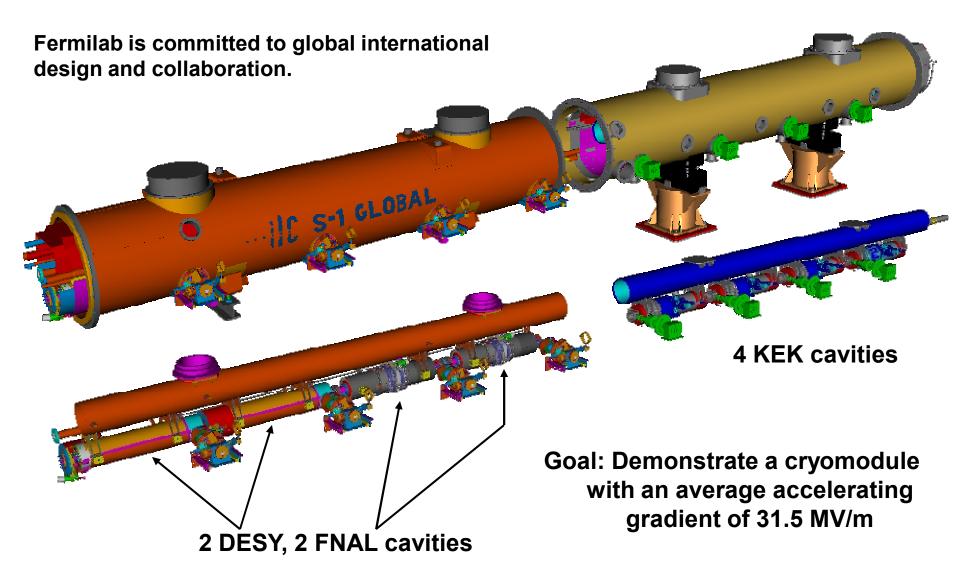
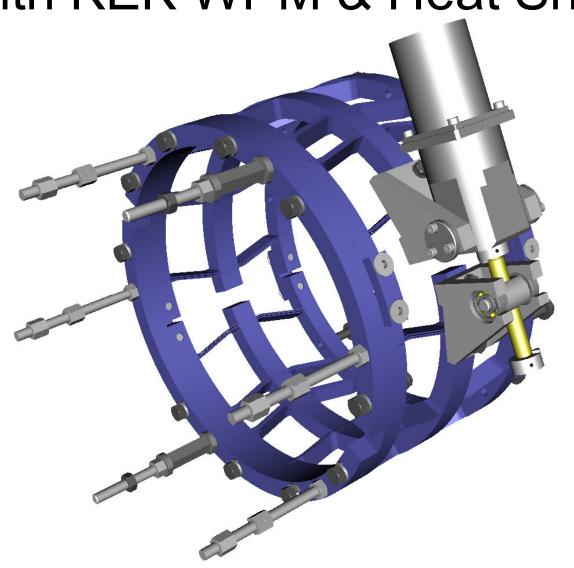


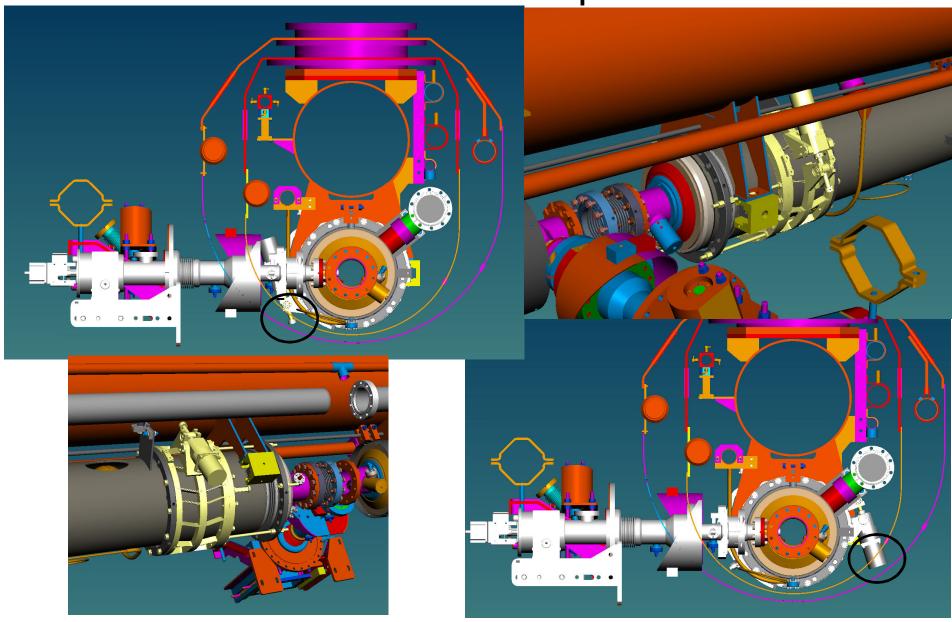
### S1-Global Cryomodule

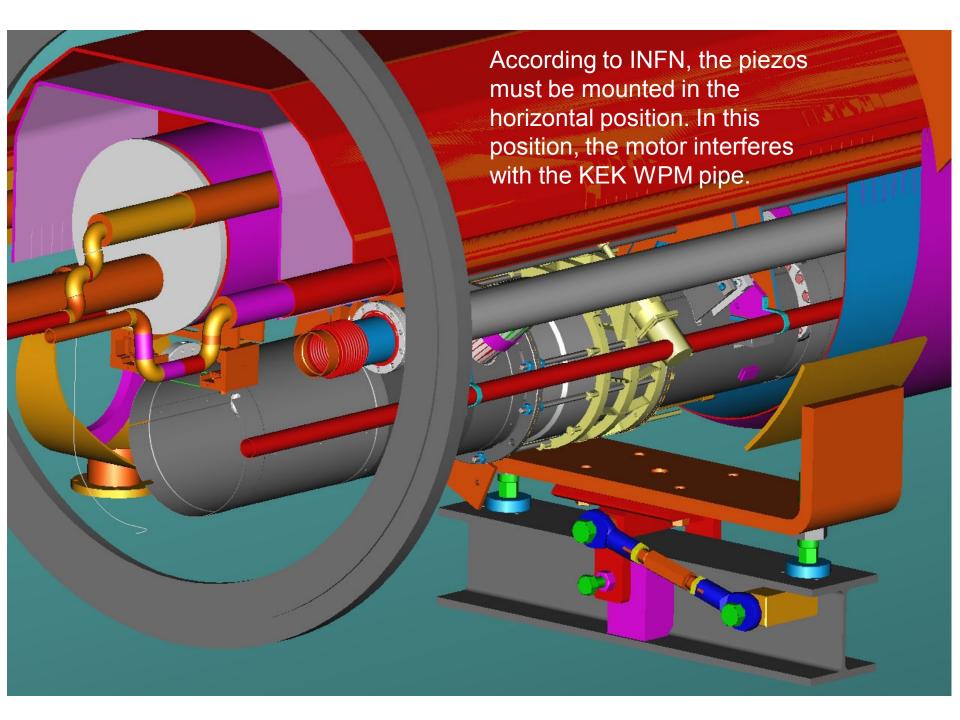


# INFN Bladetuner Installation Issues with KEK WPM & Heat Shields

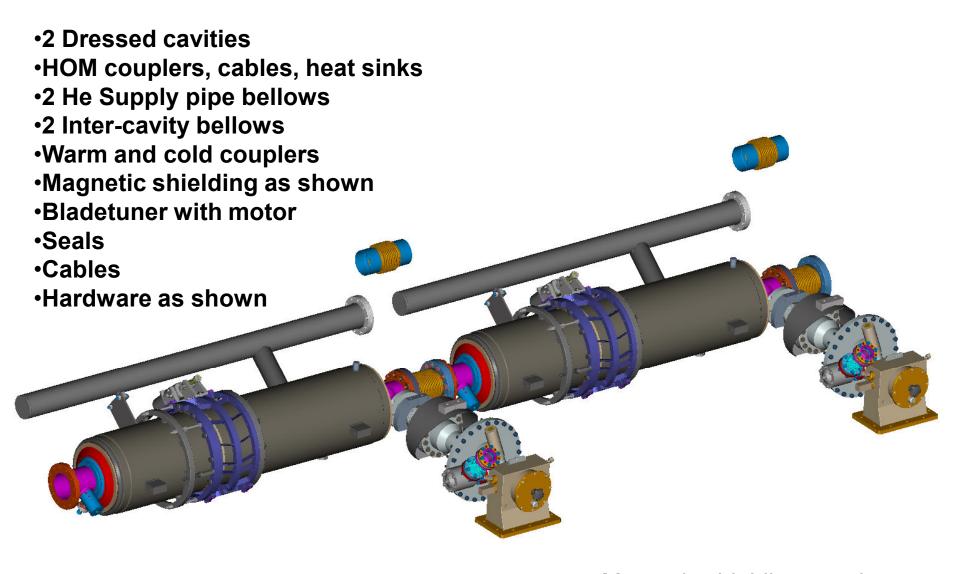


## Motor Interference with Shield and KEK WPM Pipe





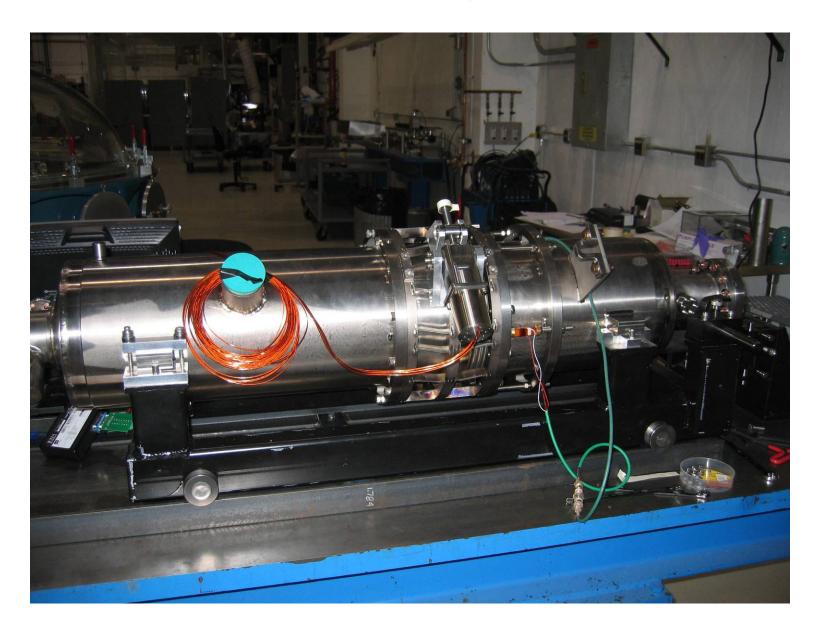
## **Current Dressed Cavity Design**



## Current Dressed Cavity Design

2 Dressed cavities HOM couplers, cables, heat sinks •2 He Supply pipe bellows •2 Inter-cavity bellows Warm and cold couplers Magnetic shielding as shown Bladetuner with motor Seals Cables Hardware as shown

#### **Bladetuner Cables**



#### Potential Issues

- Needle bearings
- Main coupler external mounts, hardware, alignment tooling for installation
- Magnetic shielding interface with DESY cavities
- 2-phase He pipe cut-offs and welding the bellows into the system
- Heat-sink straps for coupler shields
- Gatevalves / 90 deg valves / blankoffs