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# **CSN1 Review of SAND ECAL Dismantling Status**

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# KLOE-to-SAND Operation Activities at LNF

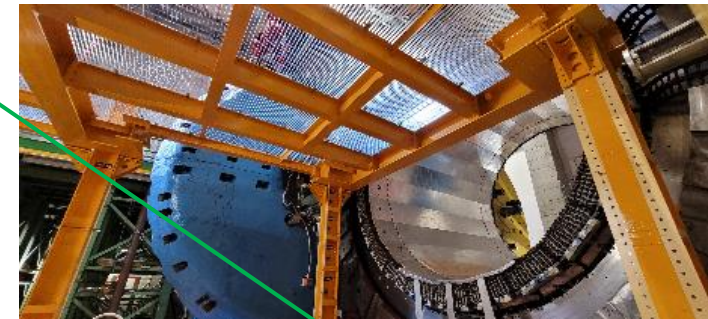
- ✓ Removal of all the cables and the FEE+HV racks
- ✓ Extraction of the Drift Chamber

## CALORIMETER

- ✓ Laser Tracker survey
- ✓ Extraction of Barrel (24 modules)
  - ✓ Variable height platform design and construction
  - ✓ Insertion/extraction machine refurbishment
  - ✓ Dismounting of PMTs
- Dismounting of 4 End-Caps
  - Tools refurbishment and construction
- Modules consolidation
- Operational test

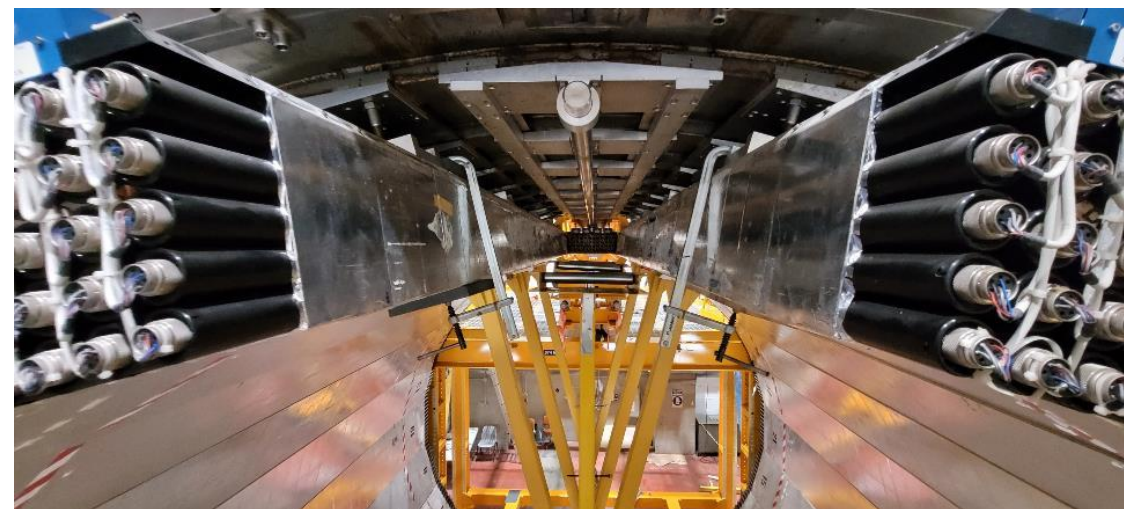
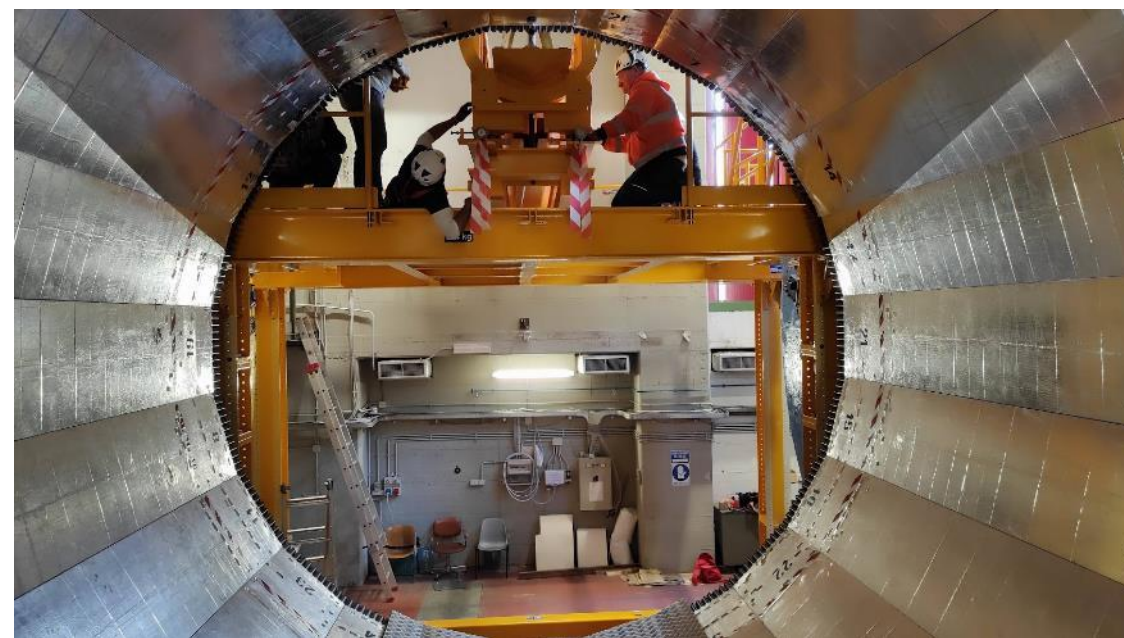
## MAGNET AND YOKE

- Installation of new Power Supply
- Colling and operational test
- Extraction of the Cryostat
- Dismounting of the Iron Yoke
- Packaging and Shipping



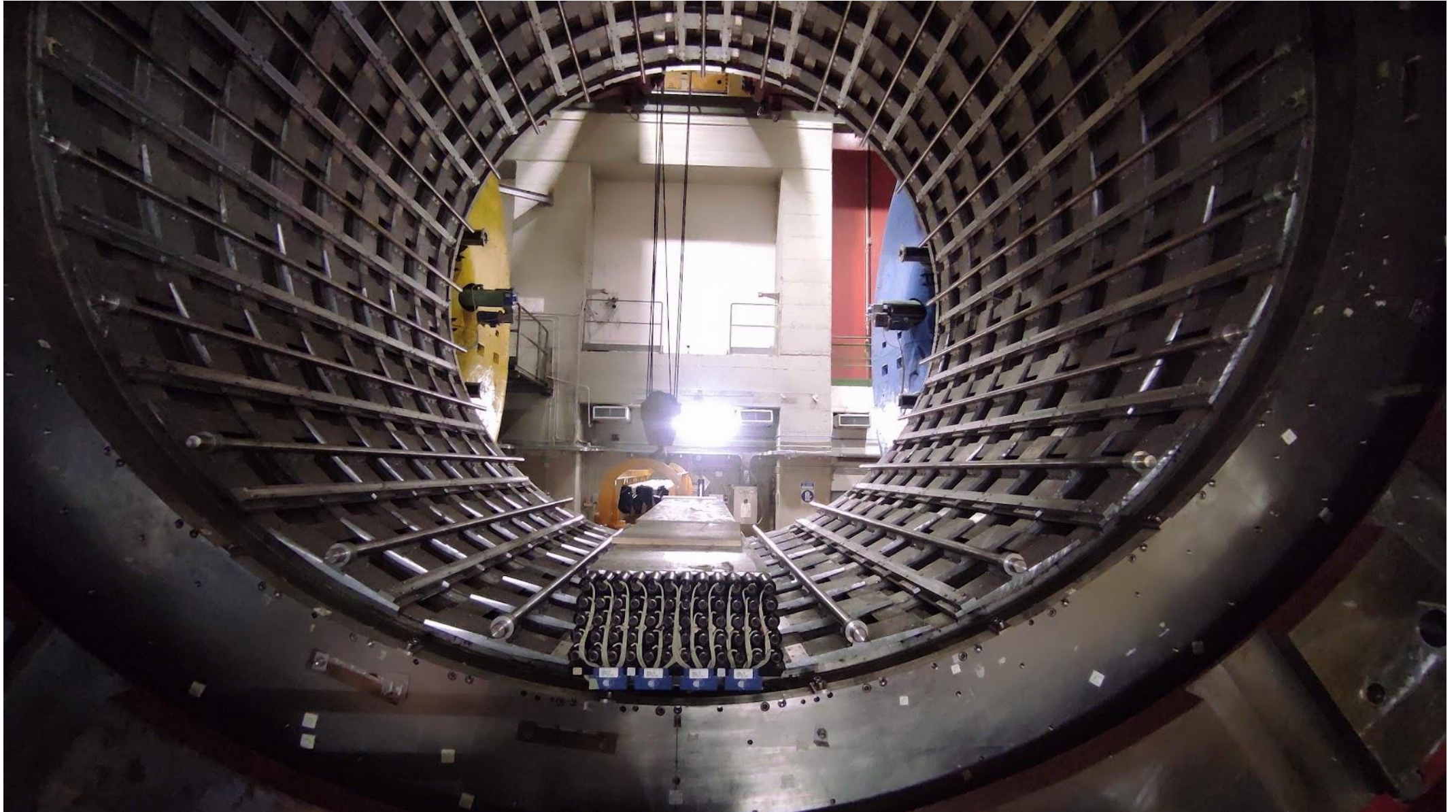


# ECAL Barrel Module Extraction





# The Last Module





# Storage of Modules in Building 57





# Refurbishing of Modules



New wrapping with Aluminum/Glass Cloth tape



Gluing of 2 light-guides in 1 module



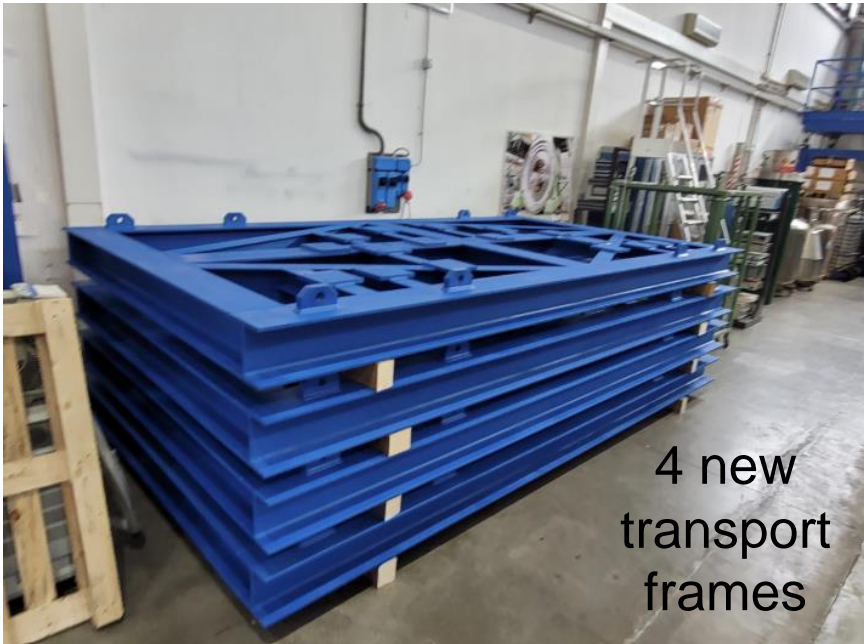
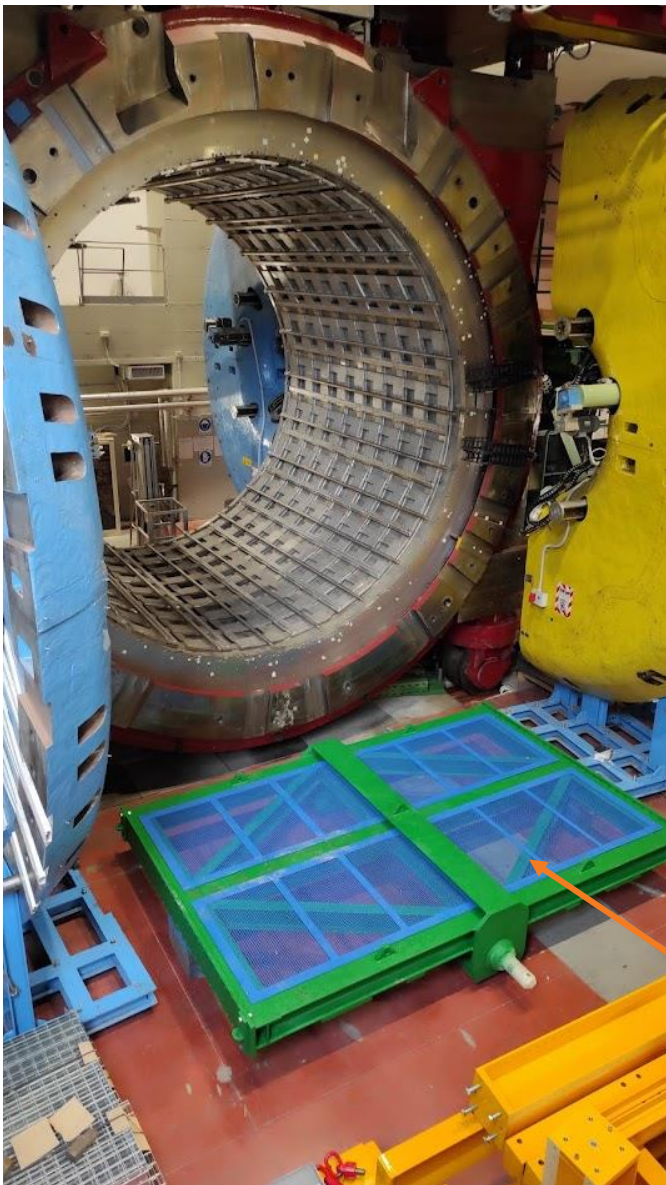
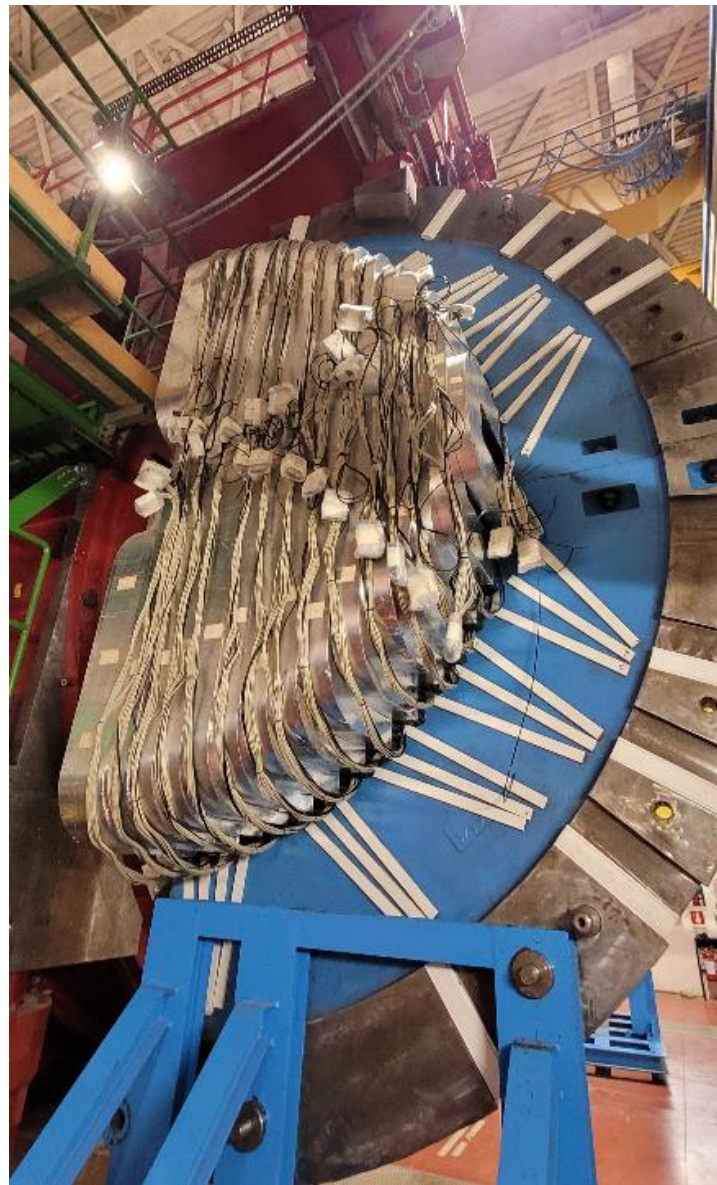
Gluing of 6 delaminated modules after test of adhesives on Lead-fibres mock-up

6 new PMT support plates





# End-Caps Dismounting



4 new transport frames



other minor tools ready



Refurbished handling frame

# 2024-2025 MAGNET and ECAL Financial Requests

SAND Sub-Project	Request	Year	Notes
<b>MAGNET</b>			
Power Supply purchase	90	2024	190 already assigned – real cost 280
6000 l of LHe for cold test at LNF	170	2025	100 assigned SJ in 2024
ASG-Superconductors support for test and turret disassembly/assembly at LNF and FNAL	600	2025	
Extension of vehicle deck in KLOE assembly hall	120	2025	50 assigned SJ in 2024
Mechanical tools for coil extraction/transport/insertion	95	2024	CORE B release request
Rent of mobile cranes for coil handling	70	2025	40 assigned SJ in 2024
External support for irone yoke dismantling	85	2025	
<b>ECAL</b>			
Tape and glue for module revamping	50	2024	release of SJ assigned for deck design
External support for ancillary dismantling/handling	80	2025	
Shipping project	40	2025	

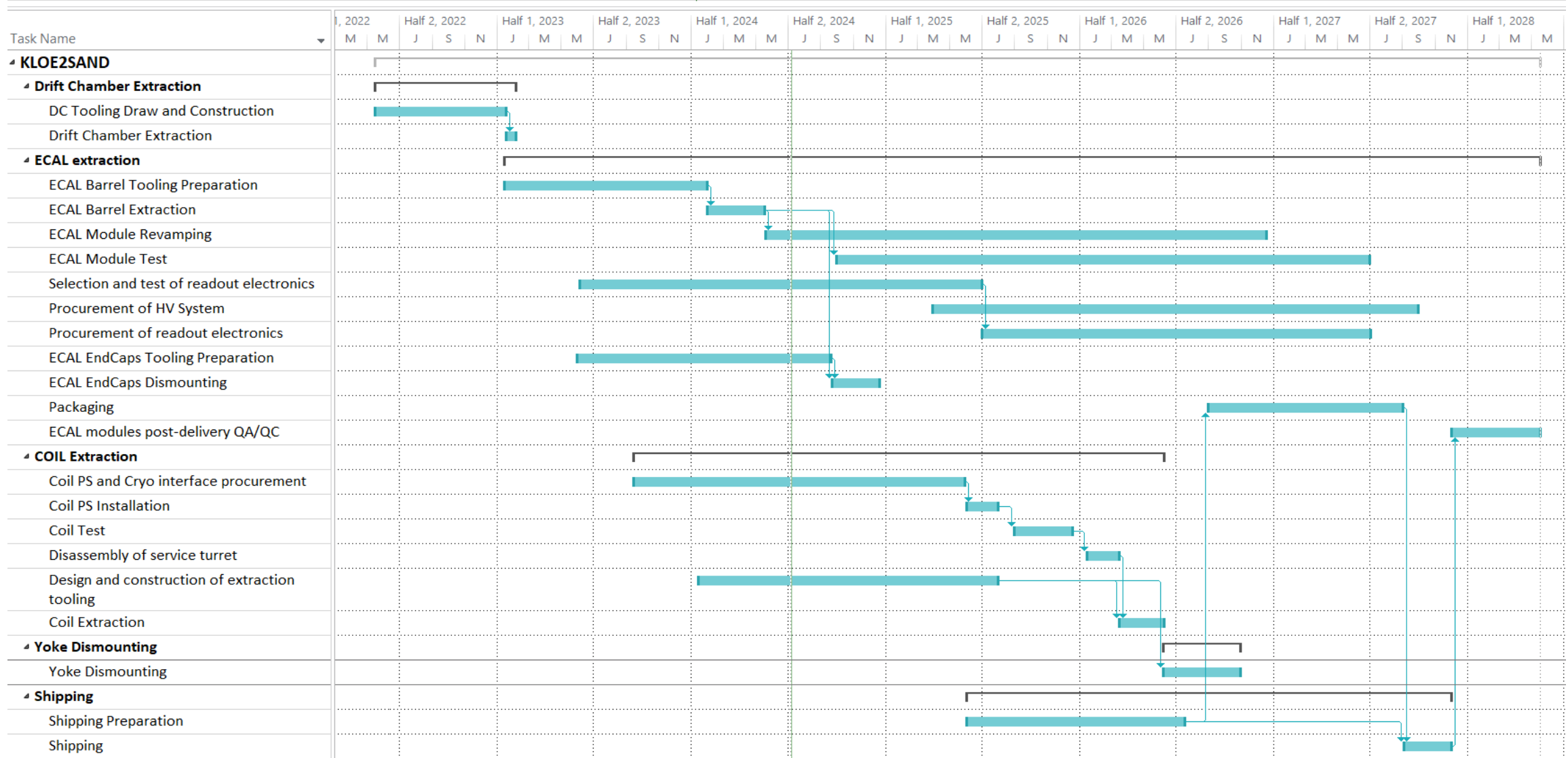


# KLOE-to-SAND Project Time Schedule

Today

Jul '22 Sep '22 Nov '22 Jan '23 Mar '23 May '23 Jul '23 Sep '23 Nov '23 Jan '24 Mar '24 May '24 Jul '24 Sep '24 Nov '24 Jan '25 Mar '25 May '25 Jul '25 Sep '25 Nov '25 Jan '26 Mar '26 May '26 Jul '26 Sep '26 Nov '26 Jan '27

Add tasks with dates to the timeline





# Conclusions

Dismount of KLOE Calorimeter started at beginning of February  
The 24 modules of the Barrel has been successfully extracted  
Tooling for extraction of End-Caps almost completed  
Dismounting of EndCaps foreseen in Autumn  
ECAL modules refurbishing started and will continue for several months

