



DE LA RECHERCHE À L'INDUSTRIE

# WPSA – Status meeting OP

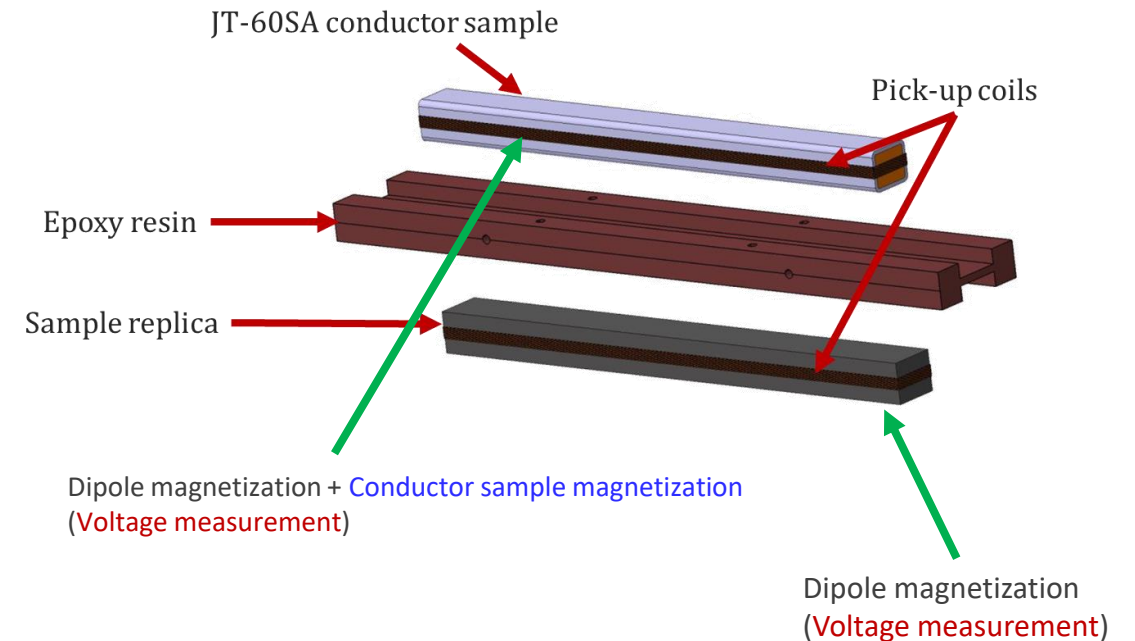
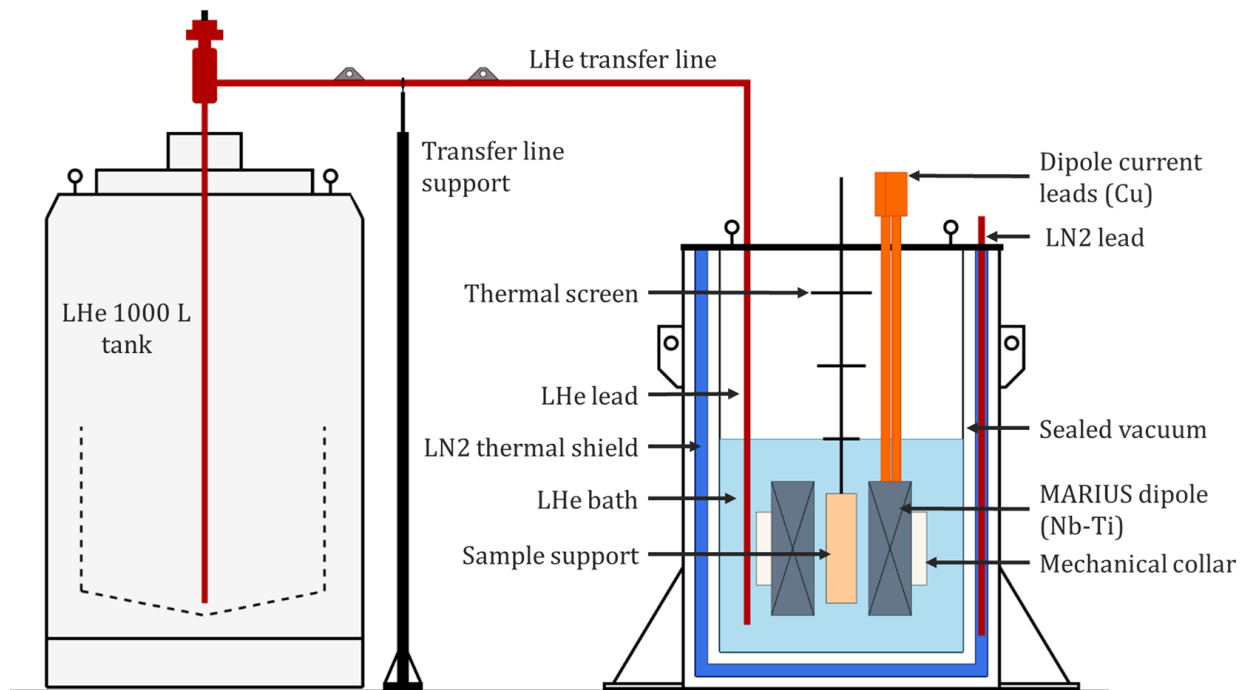
Q. Le Coz & CEA team

31 May 2024

WPSA meeting

Task Title	Electromagnetic characterization of conductor samples
Task Coord	Q. Le Coz
Task Description	2024 CEA activities on experimental electromagnetic characterization of conductor samples (EF and CS).

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Title	JT-60SA conductor samples magnetization measurements
Owner/Beneficiary	Q. Le Coz / CEA IRFM
Description	Activities will focus on the magnetic characterization of conductor samples in the JOSEFA test facility. The work will include the preparation of the conductor samples, the cold tests to measure the AC losses, and the analyses of the results. The foreseen conductor samples to be tested are the two types of NbTi conductors used in the EF coils and a Nb <sub>3</sub> Sn conductor sample of the CS magnet.



- Conductor samples of CS and EF-L received on May 30.
- Preparation of the CS sample started (pick-up winding, installation in the sample holder).
- Test of the CS sample planned on the 5th of June.
- EF-L sample will be tested later in June.
- **Measured  $n\tau$  values of the coupling losses will then be used on the numerical analyses of the magnet system.**



**Thank you for your attention**

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