AGENZIA NAZIONALE PER LE NUOVE TECNOLOGIE,
L'ENERGIA E LO SVILUPPO ECONOMICO SOSTENIBILE

European–Chinese Collaboration on HTS Superconducting Magnets

Tuesday 27 October 2026

Visit to the ENEA Frascati laboratories · 15:00–16:55

For participants travelling by train

Train	Departure station	Dep. time	Arrival station	Arrival
12709	Roma Termini	14:05	Tor Vergata	14:24

Laboratory visit programme

Time	Activity
14:45	Arrival of participants at the main ENEA gate
15:00–15:30	Frascati Neutron Generator Lab. (FNG) · 30 minutes
	Transfer · 5 minutes
15:35–16:05	Special Technologies Lab. (Divertor) · 30 minutes
	Transfer · 10 minutes
16:15–16:45	Frascati Coil Cold Test Facility (FCCT) Lab. · 30 minutes
	Transfer · 10 minutes
16:55	Return of participants to the main ENEA gate

Return trains

Train	Departure station	Dep. time	Arrival station	Arrival
12716	Tor Vergata	17:31	Roma Termini	17:48
20210	Tor Vergata	17:50	Roma Termini	18:13
12718	Tor Vergata	18:26	Roma Termini	18:46

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Wednesday 28 October 2026

Museo Etrusco · Piazzale di Villa Giulia 9, Roma

Morning programme

Time	Duration (min)	Disc. (min)	Presentation / Activity and presenter
08:45	—	—	Start
08:45	30	—	Registration
09:15	20	10	Updates on EU-CN collaboration Richard Kamendje
09:45	20	10	Status of the EU-CN deliverables and introduction to the objectives of the meeting Valentina Corato
10:15	10	5	Why become a member of the IEEE Antonio della Corte
10:30	10	5	Suprema: Company status and roadmap to production Andrea Augieri
10:45	30	—	Coffee break
11:15	30	10	Research Progress of High-Temperature Superconducting Magnets JIN Huan (ASIPP)
11:55	20	5	Alternative quench detection methods in HTS coils Nikolay Bykovskiy (EPFL)
12:20	20	5	Experimental study on quench detection of subsize HTS conductor based on optical fiber YAN Qing (ASIPP)
12:45	90	—	Lunch

Duration and discussion times are shown separately, in minutes.

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Afternoon programme

Time	Duration (min)	Disc. (min)	Presentation / Activity and presenter
14:15	20	5	Predictive analyses to support test programs for BEST Roberto Bonifetto (PoliTo)
14:40	20	5	Screening current effect modelling of a HTS superconducting magnet LIU Xiaogang (ASIPP)
15:05	20	5	Design of HTS coils for LN2 cable testing Andrea Marchegiani (UniTuscia)
15:30	20	5	Application of Sigmoid Functions to Quench and AC Loss Modeling in HTS Magnet HONG Wenze (ASIPP)
15:55	30	—	Coffee break
16:25	20	5	Deliverable on 2026 CEA TH analysis of a CS module Quentin Le Coz (CEA)
16:50	20	5	Modelling Analysis of HTS CICCs Monika Lewandowska
17:15	20	5	Electro-thermal modelling of quench in CORC CICC cables for fusion Gabriele Colombo (ENEA)
17:40	—	—	Conclusion

Social dinner

19:00 · Restaurant Circe La buona cucina
Via Velletri 26, Roma

Online participation

Microsoft Teams Meeting

Join: https://teams.microsoft.com/meet/325944398965525?p=68pyMA6jOguvGM7E6t

Meeting ID: 325 944 398 965 525

Passcode: 2Bx7rp9f

AGENZIA NAZIONALE PER LE NUOVE TECNOLOGIE,
L'ENERGIA E LO SVILUPPO ECONOMICO SOSTENIBILE

Thursday 29 October 2026

Time	Duration (min)	Disc. (min)	Presentation / Activity and presenter
09:00	—	—	Start
09:00	20	5	Manufacturing of HTS samples Luigi Muzzi (ENEA)
09:25	20	5	SULTAN test of ENEA HTS sample SECAS Kamil Sedlak (EPFL)
09:50	20	5	Progress of ReBCO tape manufacture at SSTC Maurizio Sonsino (MARPHIL INT./SSTC)
10:15	20	5	Parametric design optimization of CS ReBCO-CICC by Twente Model Arend Nijhuis (UT)
10:40	30	—	Coffee break
11:10	20	5	Development of Bi-based high temperature superconducting materials in NIN LIU Xueqian (NIN)
11:35	20	5	Survey and tests on stainless steel Klaus Weiss (KIT)/Zahra Abbasi (KIT)
12:00	20	5	X-ray microtomography analysis of full-length HTS conductor prototype and electrical termination samples developed under the EU-China collaboration Ion Tiseanu (01-NILPRP)
12:25	20	5	Thermo-mechanical analyses and tests on laser welding process Jakub Tabin
12:50	90	—	Lunch
14:20	25	—	Concluding remarks All participants
14:45	90	—	Guided visit of Museo Etrusco
16:15	30	—	Coffee break
16:45	—	—	Conclusion

Online participation
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