



# Demonstrator Update

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Science & Technology Facilities Council  
**ISIS**

# Mats Lindroos





# Dates

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- 1-6<sup>th</sup> September: Applied Superconductivity Conference
- 8-13<sup>th</sup> September: Fermilab ACORN controls review
- 9-13<sup>th</sup> Sept 2024: JPARC/g-2 collaboration meeting
- 16-20<sup>th</sup> September: Space Charge, NuFact (Argonne), CMS week
- 23-27<sup>th</sup> September: Council week
- 23-27<sup>th</sup> September: mu2e collaboration meeting
- October?

# Agenda

Assume All Talks are 20 minutes + 10 minutes discussion

Day 1			Introduction, demonstrator design status	Possible Responsible Person
09:30:00	10:00:00	00:30:00	Registration	<del>Sergo</del>
10:00:00	10:15:00	00:15:00	Lab Welcome	<del>Sergo</del>
10:15:00	10:30:00	00:15:00	Organisation/orientation	<del>Sergo</del>
10:30:00	11:00:00	00:30:00	R&D programme, timelines, international landscape	Chris/Roberto
11:00:00	11:30:00	00:30:00	Rectilinear cooling	<del>Diktys/Chris</del>
11:30:00	12:00:00	00:30:00	Final cooling	<del>Diktys/Chris</del>
12:00:00	12:30:00	00:30:00	Status of software	<del>Diktys/Chris</del>
12:30:00	13:30:00	01:00:00	Lunch	
13:30:00	14:00:00	00:30:00	Instrumentation	Chris
14:00:00	14:30:00	00:30:00	Engineering & Absorber	Chris
14:30:00	15:00:00	00:30:00	Cooling Cell Integration Issues	Lucio?
15:00:00	15:30:00	00:30:00	Break	
Day 1			Magnet Technology	
15:30:00	16:00:00	00:30:00	Japanese magnet R&D	Akira
16:00:00	16:30:00	00:30:00	US High Field Magnet programme	<del>Sergo</del>
16:30:00	17:00:00	00:30:00	European High Field Magnet programme	Roberto
17:00:00	17:30:00	00:30:00	RFE Test facility	Roberto
17:30:00	18:00:00	00:30:00	Cooling Cell Magnet	Lucio?
Day 2			RF Technology	
09:00:00	09:30:00	00:30:00	SLAC R&D	Emilio
09:30:00	10:00:00	00:30:00	Fermilab R&D	<del>Diktys</del>
10:00:00	10:30:00	00:30:00	LBNL R&D	Emilio
10:30:00	11:00:00	00:30:00	Break	
11:00:00	11:30:00	00:30:00	Power supplies (Europe)	Roberto
11:30:00	12:00:00	00:30:00	Cavity design (Europe)	Roberto
12:00:00	12:30:00	00:30:00	Discussion	Roberto
12:30:00	13:30:00	01:00:00	Lunch	
Day 2			Synergies and alternative ideas	
13:30:00	14:00:00	00:30:00	JPARC g-2 cooling	<del>Ryuichiro</del>
14:00:00	14:30:00	00:30:00	PSI	Chris
14:30:00	15:00:00	00:30:00	mu2e	<del>Diktys</del>
15:00:00	15:30:00	00:30:00	COMET	<del>Ryuichiro/Akira</del>
15:30:00	16:00:00	00:30:00	Break	
Day 2			Beam Tests & Siting Discussions	
16:00:00	16:30:00	00:30:00	CERN (including e.g. transfer line design)	Roberto
16:30:00	17:00:00	00:30:00	JPARC	<del>Ryuichiro/Akira</del>
17:00:00	17:30:00	00:30:00	Brookhaven	Kathleen
Day 3			Beam Tests & Siting Discussions (cont)	
09:00:00	09:30:00	00:30:00	ESS	<del>Mamad</del>
09:30:00	10:00:00	00:30:00	BAL	Chris
10:00:00	10:30:00	00:30:00	PSI	Chris
10:30:00	11:00:00	00:30:00		
11:00:00	11:30:00	00:30:00	LANL	Emilio
11:30:00	12:00:00	00:30:00	Fermilab	<del>Diktys</del>
12:00:00	12:30:00	00:30:00	Wrap-up	Chris