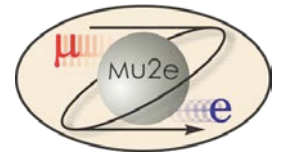




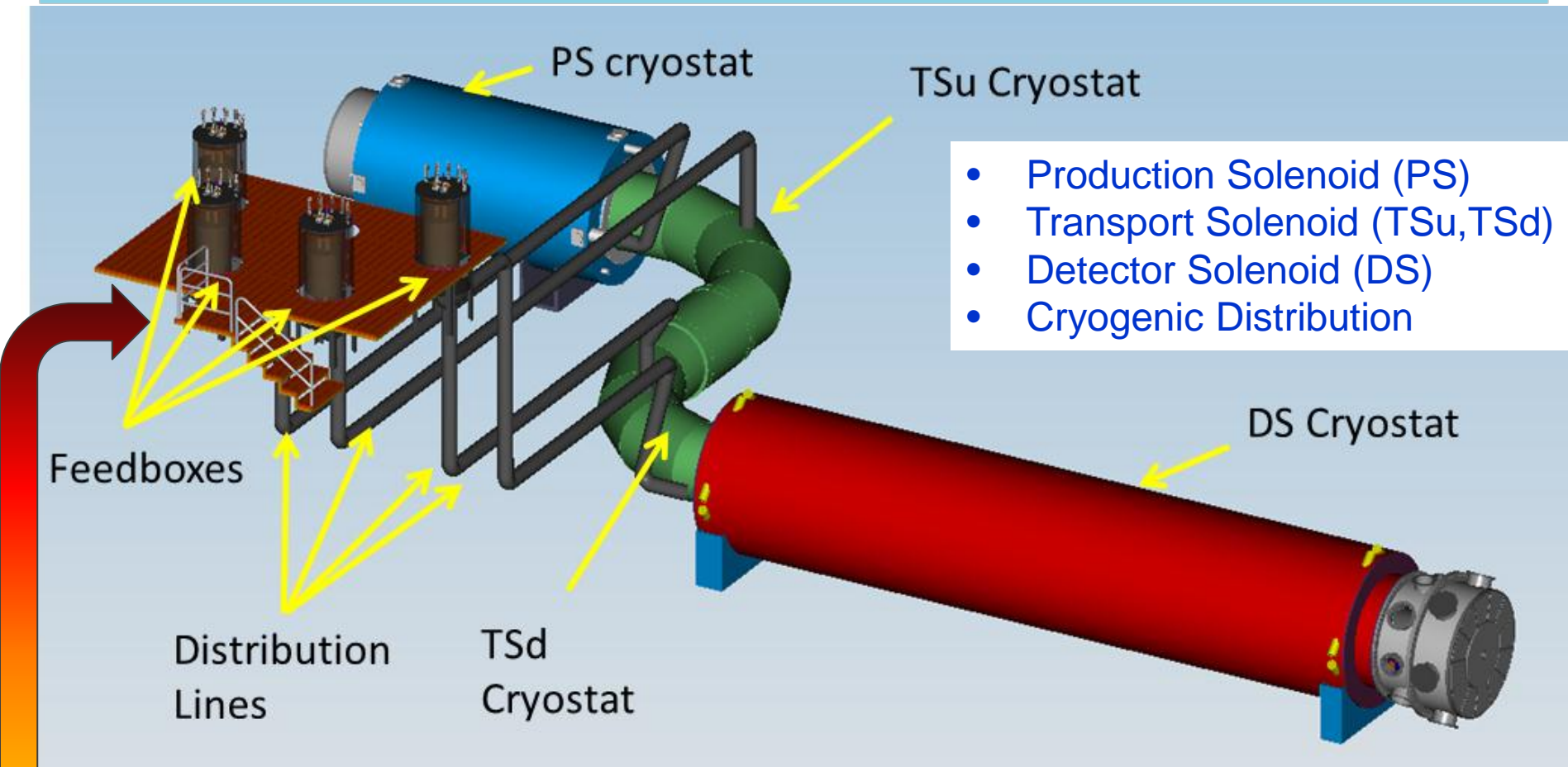
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# Overview of Solenoid Breakout

Michael Lamm  
L2 for Solenoids  
10/21/2014



# Mu2e Solenoids Scope



- Production Solenoid (PS)
- Transport Solenoid (TSu, TSd)
- Detector Solenoid (DS)
- Cryogenic Distribution

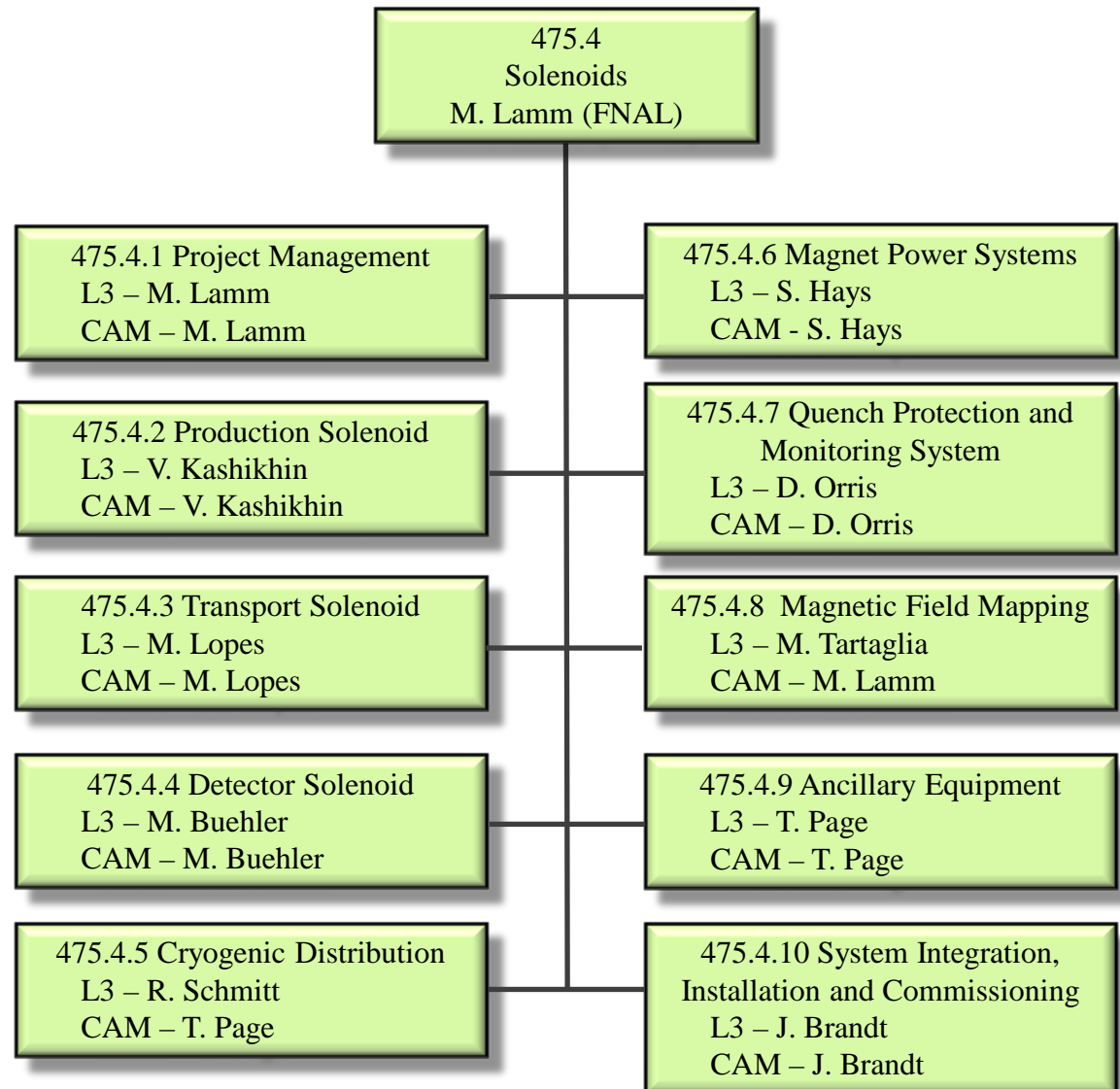
- Cryo distribution box
- Power Supply/Quench Protection

- Field Mapping
- Ancillary Equipment
- Installation and commissioning

Mu2e



# L3 Talks Organized around WBS



## Technical Procurement Leads

-Vito Lombardo for Conductor

-Tom Page for PS/DS

# L3 Talks

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- Talks for each of the L3 Deliverables B04-6 through B04-15
- Follow similar format to the Solenoid Plenary talk
  - Cost and labor breakdowns
  - Technical details. We are happy to provide additional details i.e. backup slides, backup documentation etc...
  - Procurement and Risks will be covered in separate talks
- Expanded talks on Transport Solenoid
  - Because we are asking for CD3 approval for the TS coil modules

# Project Related Talks

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In addition to the Level 3 talks , we have 4 presentations B04-2 to B04-5 on special topics

1. Solenoid Procurement Strategy: Talk is dedicated to our procurement methodology. We can give you an update on our nearly completed placement of contracts for PS/DS.
2. Status of superconductor with an emphasis on progress since CD3a..
3. Risk Analysis: How we assess risk and determine risk contingency. We have expanded the analysis since the directors review.
4. Lessons Learned: Following your advice and the advice of other reviewers, we have reached out to JLAB, ITER and a few others who are going through or have previous experience with magnet procurements with outside vendors, to learn about the potential pitfalls.

# Proposed Breakout Schedule

Tuesday October 21					
Begin	End	Duration	ID	Title	Presenter
14:55	15:10	0:15		Break/transition from Plenary to Breakout	
15:10	15:30	0:20	B04-1	Overview of Solenoid Breakout Session	Lamm
15:30	16:10	0:40	B04-2	Solenoid Procurement Strategy	Page
16:10	16:40	0:30	B04-3	Solenoid Conductor Status	Lombardo
16:40	17:00			Discussion	
Wednesday October 22					
Begin	End	Duration		Title	Presenter
8:00	8:30	0:30	B04-4	Lessons Learned	Lamm
8:30	9:00	0:30	B04-5	Solenoid Risk Analysis	Lamm
9:00	9:35	0:35	B04-6	Level 3: Production Solenoid	Vadim Kashikhin
9:35	9:50	0:15		Break	
9:50	10:25	0:35	B04-7	Level 3: Detector Solenoid	Buehler
10:25	11:30	1:05	B04-8	Level 3: Transport Solenoid Part I	Lopes, Ambrosio et al
11:30	12:30	1:00		Lunch Break	
12:30	14:00	1:30	B04-9	L3: Transport Solenoid Prototype + Discussion	Lopes, Ambrosio et al
Thursday Oct 23					
Begin	End	Duration		Title	Presenter
8:00	8:30	0:30	B04-10	Level 3 Quench Protection/Monitoring	Orris
8:30	9:00	0:30	B04-11	Level 3: Power Supply System	Hays
9:00	9:30	0:30	B04-12	Level 3: Cryo distribution	Page
9:30	9:45	0:15		break	
9:45	10:15	0:30	B04-13	Level 3: Field Mapping	Tartaglia
10:15	10:45	0:30	B04-14	Level 3: Ancillary Equipment	Page
10:45	11:15	0:30	B04-15	Level 3: Installation and Commissioning	Brandt
11:15	14:00	1:45		Discussion	all

Project-Related Talks

PS/DS L3 Talks

Expanded TS L3 Talks

Other L3 Talks