

# **Mu2e DOE CD-3c Review**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## **B07-1 DAQ Management**

*Tuesday, 14 June 2016 15:15 (25 minutes)*

**Presenter:** Mr RIVERA, Ryan (FNAL)

**Session Classification:** B07 - CRV/TDAQ Breakout

Contribution ID: 1

Type: **not specified**

## **B07-2 DAQ System Design and Test**

*Tuesday, 14 June 2016 15:40 (20 minutes)*

**Presenter:** Mr RIVERA, Ryan (FNAL)

**Session Classification:** B07 - CRV/TDAQ Breakout

Contribution ID: 2

Type: **not specified**

## **B07-3 DAQ Data Acquisition**

*Tuesday, 14 June 2016 16:00 (20 minutes)*

**Presenter:** KWARCIANY, Rick (Fermilab)

**Session Classification:** B07 - CRV/TDAQ Breakout

Contribution ID: 3

Type: **not specified**

## **B07-4 DAQ Data Processing**

*Tuesday, 14 June 2016 16:20 (20 minutes)*

**Presenter:** Dr BIERY, Kurt (Fermilab)

**Session Classification:** B07 - CRV/TDAQ Breakout

Contribution ID: 4

Type: **not specified**

## **B07-5 DAQ Controls and Networking**

*Tuesday, 14 June 2016 16:40 (20 minutes)*

**Presenter:** Dr BIERY, Kurt (Fermilab)

**Session Classification:** B07 - CRV/TDAQ Breakout

Contribution ID: 5

Type: **not specified**

## **B07-6 CRV Management**

*Wednesday, 15 June 2016 08:00 (10 minutes)*

**Presenter:** Prof. DUKES, Edmond (University of Virginia)

**Session Classification:** B07 - CRV/TDAQ Breakout

Contribution ID: 6

Type: **not specified**

## **B07-7 CRV Mechanical Design**

*Wednesday, 15 June 2016 08:10 (10 minutes)*

**Presenter:** Prof. DUKES, Edmond (University of Virginia)

**Session Classification:** B07 - CRV/TDAQ Breakout



Contribution ID: 7

Type: **not specified**

## **B07-8 CRV Scintillator Extrusions**

*Wednesday, 15 June 2016 08:20 (10 minutes)*

**Presenter:** PLA-DALMAU, Anna (Fermilab)

**Session Classification:** B07 - CRV/TDAQ Breakout

Contribution ID: **8**

Type: **not specified**

## **B07-9 CRV WLS Fibers**

*Wednesday, 15 June 2016 08:30 (10 minutes)*

**Presenter:** OKSUZIAN, Yuri (University of Virginia)

**Session Classification:** B07 - CRV/TDAQ Breakout

Contribution ID: 9

Type: **not specified**

## **B07-10 CRV Photodetectors**

*Wednesday, 15 June 2016 08:40 (10 minutes)*

**Presenter:** ZUTSHI, Vishnu (NIU)

**Session Classification:** B07 - CRV/TDAQ Breakout

Contribution ID: **10**

Type: **not specified**

## **B07-11 CRV FE Electronics**

*Wednesday, 15 June 2016 08:50 (10 minutes)*

**Presenter:** HANSEN, Sten (Fermilab)

**Session Classification:** B07 - CRV/TDAQ Breakout

Contribution ID: 11

Type: **not specified**

## **B07-12 CRV Module Fabrication**

*Wednesday, 15 June 2016 09:00 (10 minutes)*

**Presenter:** Dr GROUP, Robert (FNAL)

**Session Classification:** B07 - CRV/TDAQ Breakout

Contribution ID: 12

Type: **not specified**

## **B07-13 CRV Assembly and Installation**

*Wednesday, 15 June 2016 09:10 (10 minutes)*

**Presenter:** WOOD, Ken (Argonne)

**Session Classification:** B07 - CRV/TDAQ Breakout

Contribution ID: 13

Type: **not specified**

## **B02-8 Resonant Extraction**

*Wednesday, 15 June 2016 10:20 (40 minutes)*

**Presenter:** Dr NAGASLAEV, Vladimir (Fermilab)

**Session Classification:** B02 - Accelerator Breakout

Contribution ID: 14

Type: **not specified**

## **B02-9 Extinction & Extinction Monitoring**

*Wednesday, 15 June 2016 11:00 (30 minutes)*

**Presenter:** KASPER, Peter (Fermilab)

**Session Classification:** B02 - Accelerator Breakout



Contribution ID: 15

Type: **not specified**

## **B02-10 Summary**

*Wednesday, 15 June 2016 11:30 (20 minutes)*

**Presenter:** Dr WERKEMA, Steve (Fermilab)

**Session Classification:** B02 - Accelerator Breakout

Contribution ID: **16**

Type: **not specified**

## **B01-4 EVMS**

*Tuesday, 14 June 2016 15:40 (10 minutes)*

**Presenter:** Dr RAY, Ron (Fermilab)

**Session Classification:** B01 - Management Breakout

Contribution ID: 17

Type: **not specified**

## **B01-7 Mu2e Risk Management Plan**

*Tuesday, 14 June 2016 16:30 (15 minutes)*

**Presenter:** DINNON, Mike (Fermilab)

**Session Classification:** B01 - Management Breakout

Contribution ID: **18**

Type: **not specified**

## **B01-1 ES&H**

*Tuesday, 14 June 2016 15:15 (10 minutes)*

**Presenter:** ANDREWS, Mike (Accelerator Division)

**Session Classification:** B01 - Management Breakout

Contribution ID: **19**

Type: **not specified**

## **B01-4 Procurement**

**Presenter:** GAUGEL, Steve (Fermilab)

Contribution ID: 20

Type: **not specified**

## **B01-5 Quality**

**Presenter:** ADETUNJI, Jemila (FNAL)

Contribution ID: 21

Type: **not specified**

## **B01-2 Installation**

*Tuesday, 14 June 2016 15:25 (10 minutes)*

**Presenter:** Mr KREMPETZ, Kurt (Fermilab)

**Session Classification:** B01 - Management Breakout

Contribution ID: 22

Type: **not specified**

## **B01-5 Conventional Construction**

*Tuesday, 14 June 2016 15:50 (20 minutes)*

**Presenter:** Mr HAMERNIK, Thomas (Fermilab)

**Session Classification:** B01 - Management Breakout



Contribution ID: 23

Type: **not specified**

## **B01-8 Status of Recommendations**

**Presenter:** Dr WHITMORE, Juliana (Fermilab)

Contribution ID: 24

Type: **not specified**

## **B01-9 Change Control**

**Presenter:** GLASS, Henry (Fermilab)

Contribution ID: 25

Type: **not specified**

## **B01-6 Transition to Operations**

*Tuesday, 14 June 2016 16:10 (20 minutes)*

**Presenter:** Dr GLENZINSKI, Douglas (Fermilab)

**Session Classification:** B01 - Management Breakout

Contribution ID: 26

Type: **not specified**

## **B01-3 KPPs & Scope Contingency**

*Tuesday, 14 June 2016 15:35 (5 minutes)*

**Presenter:** Dr RAY, Ron (Fermilab)

**Session Classification:** B01 - Management Breakout

Contribution ID: 27

Type: **not specified**

## **B01-12 PS/DS Fabrication - General Atomics**

**Presenter:** Dr RAY, Ron (Fermilab)

Contribution ID: 28

Type: **not specified**

## **B02-1 Accelerator Overview**

*Tuesday, 14 June 2016 15:15 (45 minutes)*

**Presenter:** Dr WERKEMA, Steve (Fermilab)

**Session Classification:** B02 - Accelerator Breakout

Contribution ID: 29

Type: **not specified**

## **B02-2 Instruments & Controls**

*Tuesday, 14 June 2016 16:00 (30 minutes)*

**Presenter:** Mr DRENDEL, Brian (AD/HQ)

**Session Classification:** B02 - Accelerator Breakout

Contribution ID: **30**

Type: **not specified**

## **B02-3 Delivery Ring RF**

*Tuesday, 14 June 2016 16:30 (30 minutes)*

**Presenter:** Mr DEY, Joseph (Fermialb)

**Session Classification:** B02 - Accelerator Breakout



Contribution ID: **31**

Type: **not specified**

## **B03-1 Solenoid Overview**

*Tuesday, 14 June 2016 15:15 (15 minutes)*

**Presenter:** Dr LAMM, Michael (Fermilab)

**Session Classification:** B03 - Solenoids Breakout

Contribution ID: 32

Type: **not specified**

## **B03-2 Production Solenoid & Detector Solenoid**

*Tuesday, 14 June 2016 15:30 (15 minutes)*

**Presenter:** PAGE, Tom (Fermilab)

**Session Classification:** B03 - Solenoids Breakout

Contribution ID: **33**

Type: **not specified**

## **B03-3 Transport Solenoid**

*Tuesday, 14 June 2016 15:45 (15 minutes)*

**Presenter:** Dr LOPES, Mauricio (Fermilab)

**Session Classification:** B03 - Solenoids Breakout

Contribution ID: **34**

Type: **not specified**

## **B03-4 Ancillary Equipment/Integration, Installation, & Commissioning**

*Tuesday, 14 June 2016 16:00 (15 minutes)*

**Presenter:** BRANDT, Jeff (Fermilab)

**Session Classification:** B03 - Solenoids Breakout

Contribution ID: 35

Type: **not specified**

## **B03-5 Solenoid Quench Protection & Monitoring**

*Tuesday, 14 June 2016 16:15 (15 minutes)*

**Presenter:** ORRIS, Darryl (Fermilab)

**Session Classification:** B03 - Solenoids Breakout

Contribution ID: **36**

Type: **not specified**

## **B03-6 Solenoid Field Mapping**

*Tuesday, 14 June 2016 16:30 (15 minutes)*

**Presenter:** Dr FEHER, Sandor (Fermilab)

**Session Classification:** B03 - Solenoids Breakout

Contribution ID: 37

Type: **not specified**

## **B03-7 Solenoid Power Supplies**

*Tuesday, 14 June 2016 16:45 (10 minutes)*

**Presenter:** Mr HAYS, Steven (AD E/E Support)

**Session Classification:** B03 - Solenoids Breakout

Contribution ID: **38**

Type: **not specified**

## **B03-8 Cryo**

*Tuesday, 14 June 2016 16:55 (5 minutes)*

**Presenter:** Mr SCHMITT, Richard (Fermilab)

**Session Classification:** B03 - Solenoids Breakout



Contribution ID: 39

Type: **not specified**

## **B05-1 Calorimeter Overview**

*Tuesday, 14 June 2016 15:15 (10 minutes)*

**Presenter:** MISCETTI, Stefano (Frascati)

**Session Classification:** B05 - Calorimeter Breakout

Contribution ID: 40

Type: **not specified**

## **B05-2 Cal. Simulations**

*Tuesday, 14 June 2016 15:25 (10 minutes)*

**Presenter:** Dr ECHENARD, Bertrand

**Session Classification:** B05 - Calorimeter Breakout

Contribution ID: 41

Type: **not specified**

## **B05-3 Calorimeter Crystals**

*Tuesday, 14 June 2016 15:35 (10 minutes)*

**Presenter:** Dr ZHU, Ren-yuan (Caltech)

**Session Classification:** B05 - Calorimeter Breakout

Contribution ID: 42

Type: **not specified**

## **B05-4 Cal. Photosensors**

*Tuesday, 14 June 2016 15:45 (10 minutes)*

**Presenter:** Dr SARRA, Ivano (INFN)

**Session Classification:** B05 - Calorimeter Breakout

Contribution ID: 43

Type: **not specified**

## **B05-5 Cal. Mechanics**

*Tuesday, 14 June 2016 15:55 (10 minutes)*

**Presenter:** Dr HAPPACHER, fabio (INFN)

**Session Classification:** B05 - Calorimeter Breakout

Contribution ID: 44

Type: **not specified**

## **B05-6 Cal. FEE**

*Tuesday, 14 June 2016 16:05 (10 minutes)*

**Presenter:** Mr CORRADI, Giovanni (INFN)

**Session Classification:** B05 - Calorimeter Breakout

Contribution ID: 45

Type: **not specified**

## **B05-7 Cal. Waveform Digitizer (WFD)**

*Tuesday, 14 June 2016 16:15 (10 minutes)*

**Presenter:** Dr SPINELLA, Franco (INFN)

**Session Classification:** B05 - Calorimeter Breakout

Contribution ID: 46

Type: **not specified**

## **B05-8 Cal. Calibration**

*Tuesday, 14 June 2016 16:25 (10 minutes)*

**Presenter:** Prof. PORTER, Frank (Caltech)

**Session Classification:** B05 - Calorimeter Breakout



Contribution ID: 47

Type: **not specified**

## **B06-1 Tracker Overview**

*Tuesday, 14 June 2016 15:15 (15 minutes)*

**Presenter:** Dr MUKHERJEE, Aseet (Fermilab)

**Session Classification:** B06 - Tracker Breakout

Contribution ID: 48

Type: **not specified**

## **B06-2 Tracker Straws**

*Tuesday, 14 June 2016 15:30 (15 minutes)*

**Presenter:** Dr AMBROSE, Daniel (University of Minnesota)

**Session Classification:** B06 - Tracker Breakout

Contribution ID: 49

Type: **not specified**

## **B06-3 Tracker Straw Assemblies**

*Tuesday, 14 June 2016 15:45 (15 minutes)*

**Presenter:** Prof. CORCORAN, Marjorie (Rice University)

**Session Classification:** B06 - Tracker Breakout

Contribution ID: 50

Type: **not specified**

## **B06-4 Tracker FE Electronics**

*Tuesday, 14 June 2016 16:00 (15 minutes)*

**Presenter:** Dr RUSU, Vadim (FNAL)

**Session Classification:** B06 - Tracker Breakout

Contribution ID: 51

Type: **not specified**

## **B06-5 Tracker Alignment**

*Tuesday, 14 June 2016 16:15 (15 minutes)*

**Presenter:** Dr WANG, Chiho (Duke University)

**Session Classification:** B06 - Tracker Breakout

Contribution ID: 52

Type: **not specified**

## **B06-6 Tracker Cost, Schedule & Wrap-Up**

*Tuesday, 14 June 2016 16:30 (15 minutes)*

**Presenter:** Dr MUKHERJEE, Aseet (Fermilab)

**Session Classification:** B06 - Tracker Breakout

Contribution ID: 53

Type: **not specified**

## **B02-4 Target Station**

*Wednesday, 15 June 2016 08:00 (40 minutes)*

**Presenter:** COLEMAN, Rick (Fermilab)

**Session Classification:** B02 - Accelerator Breakout

Contribution ID: 54

Type: **not specified**

## **B02-5 Target Handling**

*Wednesday, 15 June 2016 08:40 (20 minutes)*

**Presenter:** SCHULTZ, Ryan (Fermilab)

**Session Classification:** B02 - Accelerator Breakout



Contribution ID: 55

Type: **not specified**

## **B02-6 Radiation Safety**

*Wednesday, 15 June 2016 09:00 (30 minutes)*

**Presenter:** LEVELING, Anthony (Fermilab)

**Session Classification:** B02 - Accelerator Breakout

Contribution ID: 56

Type: **not specified**

## **B02-7 External Beamline**

*Wednesday, 15 June 2016 09:30 (30 minutes)*

**Presenter:** Mr STILL, Dean (AD/Muon)

**Session Classification:** B02 - Accelerator Breakout

Contribution ID: 57

Type: **not specified**

## **B04-1 WBS 5 Muon Beamline Overview**

*Tuesday, 14 June 2016 15:15 (10 minutes)*

**Presenter:** GINTHER, George (University of Rochester)

**Session Classification:** B04 - Muon Beamline Breakout

Contribution ID: 58

Type: **not specified**

## **B04-2 WBS 5.02 Muon Beamline Vacuum**

*Tuesday, 14 June 2016 15:25 (10 minutes)*

**Presenter:** Mr PUSHKA, David (Fermilab)

**Session Classification:** B04 - Muon Beamline Breakout

Contribution ID: 59

Type: **not specified**

## **B04-3 WBS 5.03 Muon Beamline Collimators**

*Tuesday, 14 June 2016 15:35 (10 minutes)*

**Presenter:** CARMICHAEL, Justin (Fermilab)

**Session Classification:** B04 - Muon Beamline Breakout

Contribution ID: **60**

Type: **not specified**

## **B04-4 WBS 5.05 Stopping Target**

*Tuesday, 14 June 2016 15:45 (10 minutes)*

**Presenter:** Prof. MILLER, James (Boston University)

**Session Classification:** B04 - Muon Beamline Breakout

Contribution ID: **61**

Type: **not specified**

## **B04-5 WBS 5.06 Stopping Target Monitor**

*Tuesday, 14 June 2016 15:55 (10 minutes)*

**Presenter:** Prof. MILLER, James (Boston University)

**Session Classification:** B04 - Muon Beamline Breakout

Contribution ID: **62**

Type: **not specified**

## **B04-6 WBS 5.07 Detector Solenoid Internal Shielding**

*Tuesday, 14 June 2016 16:05 (10 minutes)*

**Presenter:** GLASS, Henry (Fermilab)

**Session Classification:** B04 - Muon Beamline Breakout



Contribution ID: **63**

Type: **not specified**

## **B04-7 WBS 5.08 Muon Beam Stop**

*Tuesday, 14 June 2016 16:15 (10 minutes)*

**Presenter:** Mr BOSSERT, Rodger (Fermilab)

**Session Classification:** B04 - Muon Beamline Breakout

Contribution ID: 64

Type: **not specified**

## **B04-8 WBS 5.04 and 5.09 Muon Beamline External Shielding**

*Tuesday, 14 June 2016 16:25 (10 minutes)*

**Presenter:** GINTHER, George (University of Rochester)

**Session Classification:** B04 - Muon Beamline Breakout

Contribution ID: 65

Type: **not specified**

## **B04-9 WBS 5.10 Detector Support and Installation System**

*Tuesday, 14 June 2016 16:35 (10 minutes)*

**Presenter:** Mr BOSSERT, Rodger (Fermilab)

**Session Classification:** B04 - Muon Beamline Breakout

Contribution ID: **66**

Type: **not specified**

## **P10 - WBS 9 DAQ**

*Tuesday, 14 June 2016 14:00 (20 minutes)*

**Presenter:** Mr RIVERA, Ryan (FNAL)

Contribution ID: 67

Type: **not specified**

## Executive Session

*Tuesday, 14 June 2016 08:00 (50 minutes)*

**Presenter:** FISHER, Kurt (DOE)

Contribution ID: **68**

Type: **not specified**

## **Full Committee Executive Session**

*Tuesday, 14 June 2016 17:00 (1h 30m)*

Contribution ID: **69**

Type: **not specified**

## **P3 - WBS 2 Accelerator Upgrades**

*Tuesday, 14 June 2016 10:10 (30 minutes)*

**Presenter:** Dr WERKEMA, Steve (Fermilab)

Contribution ID: 70

Type: **not specified**

## **P7 - WBS 6 Tracker**

*Tuesday, 14 June 2016 12:00 (20 minutes)*

**Presenter:** Dr MUKHERJEE, Aseet (Fermilab)



Contribution ID: 71

Type: **not specified**

## **P8 - WBS 7 Calorimeter**

*Tuesday, 14 June 2016 13:20 (20 minutes)*

**Presenter:** MISCETTI, Stefano (Frascati)

Contribution ID: 72

Type: **not specified**

## **P6 - WBS 5 Muon Beamline**

*Tuesday, 14 June 2016 11:30 (30 minutes)*

**Presenter:** GINTHER, George (University of Rochester)

Contribution ID: 73

Type: **not specified**

## **P11 - Integration**

*Tuesday, 14 June 2016 14:20 (30 minutes)*

**Presenter:** Dr BYRUM, karen (argonne national lab)

Contribution ID: 74

Type: **not specified**

## **P2 - Project Overview**

*Tuesday, 14 June 2016 09:10 (1 hour)*

**Presenter:** Dr RAY, Ron (Fermilab)

Contribution ID: 75

Type: **not specified**

## **P1 - Welcome and Fermilab Context**

*Tuesday, 14 June 2016 08:50 (20 minutes)*

**Presenter:** MEYER, Tim (Fermilab)

Contribution ID: 76

Type: **not specified**

## **P9 - WBS 8 Cosmic Ray Veto**

*Tuesday, 14 June 2016 13:40 (20 minutes)*

**Presenter:** Prof. DUKES, Edmond (University of Virginia)

Contribution ID: 77

Type: **not specified**

## **P5 - WBS 4 Solenoids**

*Tuesday, 14 June 2016 11:00 (30 minutes)*

**Presenter:** Dr LAMM, Michael (Fermilab)

Contribution ID: 79

Type: **not specified**

## **B01-9 Fermilab Procurement**

*Wednesday, 15 June 2016 08:00 (20 minutes)*

**Presenter:** COLLINS, Joe (FNAL)

**Session Classification:** B01 - Management Breakout



Contribution ID: **80**

Type: **not specified**

## **B01-10 Mu2e Procurement**

*Wednesday, 15 June 2016 08:20 (20 minutes)*

**Presenter:** GAUGEL, Steve (Fermilab)

**Session Classification:** B01 - Management Breakout

Contribution ID: **81**

Type: **not specified**

## **B01-11 PS/DS Fabrication: General Atomics Procurement**

*Wednesday, 15 June 2016 08:40 (20 minutes)*

**Presenter:** Dr RAY, Ron (Fermilab)

**Session Classification:** B01 - Management Breakout

Contribution ID: **82**

Type: **not specified**

## **B01-8 Monte Carlo/Schedule and Risk Analysis**

*Tuesday, 14 June 2016 16:45 (15 minutes)*

**Presenter:** ELRAFIH, Mohammed

**Session Classification:** B01 - Management Breakout

Contribution ID: **83**

Type: **not specified**

## **B01-12 Quality Assurance**

*Wednesday, 15 June 2016 09:00 (20 minutes)*

**Presenter:** Ms ADETUNJI, Jemila (FNAL)

**Session Classification:** B01 - Management Breakout

Contribution ID: **84**

Type: **not specified**

## **B01-13 Change Control**

*Wednesday, 15 June 2016 09:20 (20 minutes)*

**Presenter:** GLASS, Henry (Fermilab)

**Session Classification:** B01 - Management Breakout

Contribution ID: 85

Type: **not specified**

## **B01-14 Responses to Recommendations**

*Wednesday, 15 June 2016 09:40 (20 minutes)*

**Presenter:** Dr WHITMORE, Juliana (Fermilab)

**Session Classification:** B01 - Management Breakout

Contribution ID: **86**

Type: **not specified**

## **B06-7 Tracker Simulation**

*Tuesday, 14 June 2016 16:45 (15 minutes)*

**Presenter:** BROWN, David (LBNL)

**Session Classification:** B06 - Tracker Breakout

Contribution ID: 87

Type: **not specified**

## **Tours of facilities - Lab 3 Tracker, TS module testing facility (HAB)**

*Wednesday, 15 June 2016 14:00 (45 minutes)*

**Session Classification:** Subcommittee executive sessions/report writing (in breakout rooms)