

# **PIP-II Collaboration Meeting - Fall 2015**

## **Report of Contributions**

Contribution ID: 25

Type: **not specified**

# Welcome and Fermilab Big Picture

*Monday, 9 November 2015 08:30 (10 minutes)*

**Presenter:** Dr LOCKYER, Nigel (Fermilab)

Contribution ID: 28

Type: **not specified**

## **PIP-II Overview: Goals, Status, and Strategy**

*Monday, 9 November 2015 08:40 (30 minutes)*

**Presenter:** HOLMES, Stephen (Fermilab)

**Session Classification:** PIP-II Status and Strategy

Contribution ID: 29

Type: **not specified**

## **PXIE Overview**

*Monday, 9 November 2015 09:10 (30 minutes)*

**Presenter:** DERWENT, Paul (Fermilab)

**Session Classification:** PIP-II Status and Strategy

Contribution ID: **30**

Type: **not specified**

## **PIP-II SRF Program**

*Monday, 9 November 2015 09:40 (30 minutes)*

**Presenter:** Dr YAKOVLEV, Vyacheslav (FNAL)

**Session Classification:** PIP-II Status and Strategy

Contribution ID: **31**

Type: **not specified**

## **Rings Program**

*Monday, 9 November 2015 10:30 (30 minutes)*

**Presenter:** Dr LEBEDEV, Valeri (Fermilab)

**Session Classification:** PIP-II Status and Strategy

Contribution ID: 32

Type: **not specified**

## **International Program**

*Monday, 9 November 2015 11:00 (30 minutes)*

**Presenter:** Dr MISHRA, Shekhar (Fermilab)

**Session Classification:** PIP-II Status and Strategy

Contribution ID: **33**

Type: **not specified**

## **WG1**

**Presenters:** SHEMYAKIN, Alexander (Fermilab); DERWENT, Paul (Fermilab)



Contribution ID: 34

Type: **not specified**

## **WG2 - SCLinac**

*Tuesday, 10 November 2015 09:00 (30 minutes)*

**Presenters:** GALLINUCCI GARCIA, Fernanda (Fermilab); Dr MISHRA, Shekhar (Fermilab); Dr YAKOVLEV, Vyacheslav (FNAL)

**Session Classification:** Working Group Reports

Contribution ID: 35

Type: **not specified**

## **WG1 - PXIE**

*Tuesday, 10 November 2015 08:30 (30 minutes)*

**Presenters:** SHEMYAKIN, Alexander (Fermilab); DERWENT, Paul (Fermilab)

**Session Classification:** Working Group Reports

Contribution ID: **36**

Type: **not specified**

## **WG3 - Rings**

*Tuesday, 10 November 2015 09:30 (30 minutes)*

**Presenters:** Dr KOURBANIS, Ioanis (Fermilab); Dr LEBEDEV, Valeri (Fermilab)

**Session Classification:** Working Group Reports

Contribution ID: **38**

Type: **not specified**

## **PXIE Plan: 2016, 2017, 2018**

**Presenter:** DERWENT, Paul (Fermilab)

Contribution ID: 39

Type: **not specified**

## RFQ Commissioning Plan

*Monday, 9 November 2015 13:00 (30 minutes)*

**Presenter:** Mr STEIMEL, James (Fermilab)

**Session Classification:** Working Group Meetings

Contribution ID: 40

Type: **not specified**

## **MEBT Components: Buncher cavities, kicker/absorber, vacuum system**

*Monday, 9 November 2015 13:30 (30 minutes)*

**Presenter:** SHEMYAKIN, Alexander (Fermilab)

**Session Classification:** Working Group Meetings

Contribution ID: 41

Type: **not specified**

## **HWR**

*Monday, 9 November 2015 14:30 (30 minutes)*

**Presenter:** Dr OSTROUMOV, Peter (Argonne National Laboratory)

**Session Classification:** Working Group Meetings

Contribution ID: 42

Type: **not specified**

## **PXIE Cryo Distribution**

*Monday, 9 November 2015 16:00 (20 minutes)*

**Presenter:** WHITE, Michael (Fermilab)

**Session Classification:** Working Group Meetings



Contribution ID: 43

Type: **not specified**

## **Integration of HWR, SSR1, and Cryo Distribution into PXIE enclosure**

*Monday, 9 November 2015 16:20 (20 minutes)*

**Presenter:** Mr BAFFES, Curtis (Fermilab)

**Session Classification:** Working Group Meetings

Contribution ID: 44

Type: **not specified**

## **LLRF and Resonance Control for PXIE: RFQ, HWR, SSR1**

*Monday, 9 November 2015 15:30 (30 minutes)*

**Presenter:** Mr CHASE, Brian (FNAL)

**Session Classification:** Working Group Meetings

Contribution ID: 45

Type: **not specified**

## **Instrumentation Development**

*Monday, 9 November 2015 14:00 (30 minutes)*

**Presenter:** SCARPINE, Vic (Fermilab)

**Session Classification:** Working Group Meetings

Contribution ID: 46

Type: **not specified**

## **Discussion / Preparation for WG1 Report**

*Monday, 9 November 2015 16:40 (20 minutes)*

**Session Classification:** Working Group Meetings

Contribution ID: 47

Type: **not specified**

## **SSR2**

*Monday, 9 November 2015 12:30 (30 minutes)*

**Presenter:** Mr MISHRA, Vinay (BARC)

**Session Classification:** Working Group 2

Contribution ID: 48

Type: **not specified**

## **SRF Infrastructure at RRCAT**

*Monday, 9 November 2015 13:00 (30 minutes)*

**Presenters:** JOSHI, Satish (RRCAT); JAIN, Vikas (RRCAT)

**Session Classification:** Working Group 2

Contribution ID: 49

Type: **not specified**

## **SSR1**

*Monday, 9 November 2015 13:30 (30 minutes)*

**Presenter:** PASSARELLI, Donato (Fermilab)

**Session Classification:** Working Group 2

Contribution ID: 50

Type: **not specified**

## **Mechanical Design of LB and HB 650 Cavities**

*Monday, 9 November 2015 14:00 (15 minutes)*

**Presenter:** GRIMM, Chuck (Fermilab)

**Session Classification:** Working Group 2



Contribution ID: 51

Type: **not specified**

## **LB650 and HB650 CMs**

*Monday, 9 November 2015 14:30 (30 minutes)*

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

**Session Classification:** Working Group 2

Contribution ID: 52

Type: **not specified**

## **LLRF and Resonance Control for PXIE**

*Monday, 9 November 2015 15:30 (30 minutes)*

**Presenter:** Mr CHASE, Brian (FNAL)

**Session Classification:** Working Group 2

Contribution ID: 53

Type: **not specified**

## HTS-2

*Monday, 9 November 2015 16:00 (30 minutes)*

**Presenter:** OZELIS, Joe (Fermilab)

**Session Classification:** Working Group 2

Contribution ID: 54

Type: **not specified**

## **PIP-II Cryogenics**

*Monday, 9 November 2015 16:30 (30 minutes)*

**Presenter:** THEILACKER, Jay (Fermilab)

**Session Classification:** Working Group 2

Contribution ID: 55

Type: **not specified**

## Resonance Control

*Monday, 9 November 2015 17:00 (20 minutes)*

**Presenter:** Dr PISCHALNIKOV, Yuriy (Fermilab)

**Session Classification:** Working Group 2

Contribution ID: 56

Type: **not specified**

## Discussion High Q

*Monday, 9 November 2015 17:20 (20 minutes)*

**Presenter:** Dr GRASELLINO, Anna (Fermilab)

**Session Classification:** Working Group 2

Contribution ID: 58

Type: **not specified**

## **Linac-to-Booster Transfer Line**

**Presenter:** Mr VIVOLI, Alessandro (FNAL)

Contribution ID: 59

Type: **not specified**

## **Booster Injection**

**Presenter:** JOHNSON, David (Fermilab)



Contribution ID: **60**

Type: **not specified**

# High Intensity Booster Operation

**Presenter:** Mr PELLICO, William (FNAL)

Contribution ID: **61**

Type: **not specified**

## **Booster RF Upgrade**

**Presenter:** Mr KROC, Thomas (FNAL)

Contribution ID: **62**

Type: **not specified**

## **Booster Modifications for 20 Hz**

**Presenter:** Dr SEIYA, Kiyomi (Fermilab)

Contribution ID: **63**

Type: **not specified**

## **Booster Collimation System: Status and Future**

**Presenter:** Dr KAPIN, Valery (FNAL)

Contribution ID: **64**

Type: **not specified**

## **Controls Modifications Required for 20Hz Operation**

**Presenter:** PATRICK, James (Fermilab)

Contribution ID: 65

Type: **not specified**

## **MI and Recycler Upgrades**

**Presenter:** Dr KOURBANIS, Ioanis (Fermilab)

Contribution ID: **66**

Type: **not specified**

## **MI RF Power Upgrade**

**Presenter:** REID, John (Fermilab)

Contribution ID: 67

Type: **not specified**

## **New Recycler Cavities**

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



Contribution ID: **68**

Type: **not specified**

## **Recycler Slip Stacking Simulations**

**Presenter:** AINSWORTH, Rob (Fermilab)

Contribution ID: **69**

Type: **not specified**

## **Beam Stability in Recycler and MI**

**Presenter:** Dr ADAMSON, Phil (FNAL)

Contribution ID: 71

Type: **not specified**

## **PXIE Plan: 2016, 2017, 2018**

*Monday, 9 November 2015 12:30 (30 minutes)*

**Presenter:** DERWENT, Paul (Fermilab)

**Session Classification:** Working Group Meetings

Contribution ID: 72

Type: **not specified**

## **Linac-to-Booster Transfer Line**

*Monday, 9 November 2015 12:30 (15 minutes)*

**Presenter:** Mr VIVOLI, Alessandro (FNAL)

**Session Classification:** Working Group 3

Contribution ID: 73

Type: **not specified**

## **Booster Injection**

*Monday, 9 November 2015 12:45 (25 minutes)*

**Presenter:** JOHNSON, David (Fermilab)

**Session Classification:** Working Group 3

Contribution ID: 74

Type: **not specified**

## High Intensity Booster Operation

*Monday, 9 November 2015 13:10 (20 minutes)*

**Presenter:** Mr PELLICO, William (FNAL)

**Session Classification:** Working Group 3

Contribution ID: 75

Type: **not specified**

## **Booster RF Upgrade**

*Monday, 9 November 2015 13:30 (20 minutes)*

**Presenter:** Mr KROC, Thomas (FNAL)

**Session Classification:** Working Group 3

Contribution ID: 76

Type: **not specified**

## **Booster Modifications for 20 Hz**

*Monday, 9 November 2015 13:50 (20 minutes)*

**Presenter:** Dr SEIYA, Kiyomi (Fermilab)

**Session Classification:** Working Group 3



Contribution ID: 77

Type: **not specified**

## **Booster Collimation System: Status and Future**

*Monday, 9 November 2015 14:10 (20 minutes)*

**Presenter:** Dr KAPIN, Valery (FNAL)

**Session Classification:** Working Group 3

Contribution ID: 78

Type: **not specified**

## **Controls Modifications Required for 20 Hz Operation**

*Monday, 9 November 2015 14:30 (20 minutes)*

**Presenter:** PATRICK, James (Fermilab)

**Session Classification:** Working Group 3

Contribution ID: 79

Type: **not specified**

## **MI and Recycler Upgrades**

*Monday, 9 November 2015 15:10 (30 minutes)*

**Presenter:** Dr KOURBANIS, Ioanis (Fermilab)

**Session Classification:** Working Group 3

Contribution ID: **80**

Type: **not specified**

## **MI RF Power Upgrade**

*Monday, 9 November 2015 15:40 (20 minutes)*

**Presenter:** REID, John (Fermilab)

**Session Classification:** Working Group 3

Contribution ID: **81**

Type: **not specified**

## **New Recycler Cavities**

*Monday, 9 November 2015 16:00 (20 minutes)*

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

**Session Classification:** Working Group 3

Contribution ID: **82**

Type: **not specified**

## **Recycler Slip Stacking Simulations**

*Monday, 9 November 2015 16:20 (20 minutes)*

**Presenter:** AINSWORTH, Rob (Fermilab)

**Session Classification:** Working Group 3

Contribution ID: **83**

Type: **not specified**

## **Beam Stability in Recycler and MI**

*Monday, 9 November 2015 16:40 (20 minutes)*

**Presenter:** Dr ADAMSON, Phil (FNAL)

**Session Classification:** Working Group 3

Contribution ID: **84**

Type: **not specified**

## **Discussion**

*Monday, 9 November 2015 17:00 (30 minutes)*

**Session Classification:** Working Group 3



Contribution ID: **85**

Type: **not specified**

## **Discussion**

*Monday, 9 November 2015 17:40 (20 minutes)*

**Session Classification:** Working Group 2

Contribution ID: **86**

Type: **not specified**

## **Passive Mitigation of Microphonics and LFD in LB and HB 650 Cavities**

*Monday, 9 November 2015 14:15 (15 minutes)*

**Presenter:** KHABIBOULLINE, Timergali (FNAL)

**Session Classification:** Working Group 2