

# **2016 RHIC Retreat**



## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## Welcome & RHIC Physics Program 2017 to 2023

*Thursday 28 July 2016 09:00 (20 minutes)*

**Presenter:** DUNLOP, James (Brookhaven National Laboratory)

Contribution ID: 1

Type: **not specified**

## Department Priorities

*Thursday 28 July 2016 09:20 (20 minutes)*

**Presenter:** Dr ROSER, Thomas (BNL)

Contribution ID: 2

Type: **not specified**

## **Run-17/18 Projections and Accelerator Upgrades**

*Thursday 28 July 2016 09:40 (20 minutes)*

**Presenter:** FISCHER, Wolfram (BNL)

Contribution ID: 3

Type: **not specified**

## **STAR - Lessons from Run-16, Requests for Run-17 and 18**

*Thursday 28 July 2016 10:00 (35 minutes)*

**Presenter:** Dr CHRISTIE, William (Brookhaven National Laboratory)

Contribution ID: 4

Type: **not specified**

## **PHENIX - Lessons from Run-16**

*Thursday 28 July 2016 10:50 (35 minutes)*

**Presenter:** Mr JOUAN, Denis (IPN Orsay, CNRS/IN2P3/université paris sud)

Contribution ID: 5

Type: **not specified**

## **Run 16 Au+Au Performance and Notable Events**

*Thursday 28 July 2016 11:25 (25 minutes)*

**Presenter:** Dr LIU, Chuyu (CAD)

Contribution ID: 6

Type: **not specified**

## **Run 16 d+Au Performance and Notable Events**

*Thursday 28 July 2016 11:50 (25 minutes)*

**Presenter:** Dr LIU, Chuyu (CAD)



Contribution ID: 7

Type: **not specified**

## 2016 Shutdown Activities

*Thursday 28 July 2016 13:15 (20 minutes)*

**Presenter:** Mr SAMPSON, Paul (Brookhaven National Laboratory)

Contribution ID: 8

Type: **not specified**

## **High Intensity in the Injectors: Run-17 and Beyond**

*Thursday 28 July 2016 13:35 (25 minutes)*

**Presenter:** Dr HUANG, Haixin Huang (Brookhaven National Lab)

Contribution ID: 9

Type: **not specified**

## OPPIS Performance Expectations for Run-17

*Thursday 28 July 2016 14:00 (20 minutes)*

**Presenter:** Dr ZELENSKI, Anatoli (BNL)

Contribution ID: **10**

Type: **not specified**

## High Brightness Beam for Linac

*Thursday 28 July 2016 14:20 (20 minutes)*

**Presenter:** Dr RAPARIA, Deepak (BNL)

Contribution ID: **11**

Type: **not specified**

## **Booster Space Charge Simulation for Proton Beams**

*Thursday 28 July 2016 14:40 (20 minutes)*

**Presenter:** Dr BEEBE-WANG, Joanne (Brookhaven National Laboratory)

Contribution ID: 12

Type: **not specified**

## **Machine and Experiments Protection Overview (Pre-Fires, Masks, and Orbit Bumps: why the diode failed)**

*Thursday 28 July 2016 15:15 (25 minutes)*

**Presenter:** Dr DREES, Angelica (Collider-Accelerator)

Contribution ID: 13

Type: **not specified**

## **Diode Failure Post-Mortem (how the diode failed)**

*Thursday 28 July 2016 15:40 (25 minutes)*

**Presenters:** ESCALLIER, John (BNL); Mr SANDBERG, Jon (Brookhaven National Laboratory)

Contribution ID: 14

Type: **not specified**

## **RHIC abort kicker system upgrade for Run-17**

*Thursday 28 July 2016 16:05 (25 minutes)*

**Presenter:** Mr SANDBERG, Jon (Brookhaven National Laboratory)



Contribution ID: **15**

Type: **not specified**

## Discussion Time

*Thursday 28 July 2016 16:30 (45 minutes)*

Contribution ID: 16

Type: **not specified**

## **Possible failures with a 40 ms delayed abort**

*Friday 29 July 2016 09:00 (25 minutes)*

**Presenter:** Mr LUO, Yun (C-AD, BNL)

Contribution ID: 17

Type: **not specified**

## **Beam loss control from lattice and mask (dispersion bumps and off momentum collimation)**

*Friday 29 July 2016 09:25 (25 minutes)*

**Presenter:** Dr ROBERT-DEMOLAIZE, Guillaume (BNL/C-AD)

Contribution ID: **18**

Type: **not specified**

## **Injection kicker vacuum failure - post mortem (from SEU to beam loss and vacuum failure)**

*Friday 29 July 2016 09:50 (25 minutes)*

**Presenters:** Mr BRUNO, Donald (BNL); Mr MORRIS, John (Brookhaven National Laboratory)

Contribution ID: **19**

Type: **not specified**

## **Single event upsets with Au+Au (stats and solutions)**

*Friday 29 July 2016 10:15 (20 minutes)*

**Presenter:** BROWN, Kevin (C-AD)

Contribution ID: 20

Type: **not specified**

## **RHIC RF system upgrades for high intensity beams (9 MHz, Landau Amplifiers, Storage Cavities trips)**

*Friday 29 July 2016 10:50 (30 minutes)*

**Presenter:** Mr ZALTSMAN, Alex (BNL)

Contribution ID: 21

Type: **not specified**

## **56 MHz SRF (1 MV without HOM dampers, Run-18 and Beyond)**

*Friday 29 July 2016 11:20 (25 minutes)*

**Presenter:** SMITH, Kevin S (BNL)

Contribution ID: 22

Type: **not specified**

## **CeC PoP Commissioning in Run-17/18 (aperture in IR2, What does it mean to be "careful")**

*Friday 29 July 2016 11:45 (30 minutes)*

**Presenter:** Prof. LITVINENKO, Vladimir (BNL and Stony Brook University)



Contribution ID: 23

Type: **not specified**

## Availability/Reliability

*Friday 29 July 2016 13:15 (15 minutes)*

**Presenter:** Mr INGRASSIA, Peter (C-AD MCR)

Contribution ID: 24

Type: **not specified**

## **View from AI (machine protection, transfer function, optics, ramp, etc.)**

*Friday 29 July 2016 14:05 (25 minutes)*

**Presenter:** MARUSIC, AI (BNL)

Contribution ID: 25

Type: **not specified**

## **Run-17 Plan (STAR with Luminosity leveling, RHIC)**

*Friday 29 July 2016 14:45 (30 minutes)*

**Presenter:** Dr RANJBAR, Vahid (BNL)

Contribution ID: 26

Type: **not specified**

## **LEReC DC gun test commissioning plans**

*Friday 29 July 2016 15:15 (25 minutes)*

**Presenter:** Dr KAYRAN, Dmitry (Brookhaven National Lab)

Contribution ID: 27

Type: **not specified**

## LEReC RF Commissioning during Run-17

*Friday 29 July 2016 15:40 (25 minutes)*

**Presenter:** MERNICK, Kevin (BNL)

Contribution ID: **28**

Type: **not specified**

## Discussion Time

*Friday 29 July 2016 16:05 (55 minutes)*

Contribution ID: 29

Type: **not specified**

## View from Operations

*Friday 29 July 2016 13:30 (35 minutes)*

**Presenter:** Mr INGRASSIA, Peter (C-AD MCR)