

**FFAG'2016**

# **Report of Contributions**

Contribution ID: **10**

Type: **not specified**

## **Registration**

*Tuesday, 6 September 2016 09:00 (30 minutes)*

Contribution ID: **11**

Type: **not specified**

# Welcome

*Tuesday, 6 September 2016 09:30 (10 minutes)*

**Primary author:** PASTERNAK, Jaroslaw (Imperial College, London)

**Presenter:** PASTERNAK, Jaroslaw (Imperial College, London)

Contribution ID: 12

Type: **not specified**

## **Status of KURRI facility, Dr Y. Ishi**

*Tuesday, 6 September 2016 09:40 (50 minutes)*

Contribution ID: 13

Type: **not specified**

## **Muon nuclear transmutation project, Prof. Y. Mori**

*Tuesday, 6 September 2016 10:50 (50 minutes)*

Contribution ID: 14

Type: **not specified**

## Discussion

*Tuesday, 6 September 2016 11:40 (15 minutes)*

Contribution ID: 15

Type: **not specified**

## **New NS-FFAG applications in ERL in Cornell, eRHIC, and LHC**

*Tuesday, 6 September 2016 11:55 (50 minutes)*

**Primary author:** TRBOJEVIC, Dejan (Brookhaven National Laboratory)

**Presenter:** TRBOJEVIC, Dejan (Brookhaven National Laboratory)

Contribution ID: **16**

Type: **not specified**

## **Overview for CBETA, Dr S. Brooks**

*Tuesday, 6 September 2016 14:00 (30 minutes)*

Contribution ID: 17

Type: **not specified**

## **Beam dynamics studies in FFAG-arc based eRHIC ERL, Dr F. Meot**

*Tuesday, 6 September 2016 14:30 (30 minutes)*

Contribution ID: 18

Type: **not specified**

## **Incorporating Interactions between Iron Magnets into the Design of CBETA**

*Tuesday, 6 September 2016 15:00 (30 minutes)*

**Primary author:** BERG, J. Scott (Brookhaven National Laboratory)

**Presenter:** BERG, J. Scott (Brookhaven National Laboratory)

Contribution ID: **19**

Type: **not specified**

## **Discussion**

*Tuesday, 6 September 2016 15:30 (20 minutes)*

Contribution ID: 20

Type: **not specified**

## Hybrid Quadrupole Magnet for CBETA

*Tuesday, 6 September 2016 16:10 (30 minutes)*

**Primary author:** WITTE, Holger (Brookhaven National Laboratory)

**Presenter:** WITTE, Holger (Brookhaven National Laboratory)

Contribution ID: 21

Type: **not specified**

## **Design of Halbach quadrupoles and their correctors for the CBETA and eRHIC projects, Dr N. Tsoupas**

*Tuesday, 6 September 2016 16:40 (30 minutes)*

Contribution ID: 22

Type: **not specified**

## **Halbach-type Magnets for a Non-Scaling FFAG Arc, Dr S Brooks**

*Tuesday, 6 September 2016 17:10 (30 minutes)*

Contribution ID: 23

Type: **not specified**

## Discussion

*Tuesday, 6 September 2016 17:40 (20 minutes)*

Contribution ID: 24

Type: **not specified**

## **NORMA: Magnets design**

*Wednesday, 7 September 2016 09:00 (30 minutes)*

**Primary author:** TYGIER, Sam

**Presenter:** TYGIER, Sam

Contribution ID: 25

Type: **not specified**

## **Compact CW nonscaling FFAGs for medical applications**

*Wednesday, 7 September 2016 09:30 (30 minutes)*

**Primary author:** JOHNSTONE, Carol (Fermilab)

**Presenter:** JOHNSTONE, Carol (Fermilab)

Contribution ID: 26

Type: **not specified**

## **HEATHER –HElium ion Accelerator for radioTHERapy, Mr J. Taylor**

*Wednesday, 7 September 2016 10:00 (30 minutes)*

Contribution ID: 27

Type: **not specified**

## **FFAG Gantries**

*Wednesday, 7 September 2016 10:50 (40 minutes)*

**Primary author:** TRBOJEVIC, Dejan (Brookhaven National Laboratory)

**Presenter:** TRBOJEVIC, Dejan (Brookhaven National Laboratory)

Contribution ID: **28**

Type: **not specified**

## **Discussion**

*Wednesday, 7 September 2016 11:30 (10 minutes)*

Contribution ID: 29

Type: **not specified**

## **Visit at RAL accelerator facilities**

*Wednesday, 7 September 2016 14:30 (2 hours)*

Contribution ID: 30

Type: **not specified**

**Special ISIS Seminar: FFAGs at intensity frontier for  
secondary particle production, Prof. Y. Mori, R68  
CR12-13**

*Wednesday, 7 September 2016 16:30 (1 hour)*

Contribution ID: 31

Type: **not specified**

## **Design and beam dynamics issues of MERIT muon production ring, Prof. Y. Mori**

*Thursday, 8 September 2016 09:00 (30 minutes)*

Contribution ID: 32

Type: **not specified**

## **Injection of MERIT muon ring, Dr K. Okabe**

*Thursday, 8 September 2016 09:30 (30 minutes)*

Contribution ID: 33

Type: **not specified**

## **Radiation shielding of MERIT muon ring, Dr K. Okabe**

*Thursday, 8 September 2016 10:00 (30 minutes)*

Contribution ID: **34**

Type: **not specified**

## **nuPIL concept**

*Thursday, 8 September 2016 10:50 (30 minutes)*

**Primary author:** Dr LAGRANGE, Jean-baptiste (Imperial College)

**Presenter:** Dr LAGRANGE, Jean-baptiste (Imperial College)

Contribution ID: 35

Type: **not specified**

## Update on nuSTORM

*Thursday, 8 September 2016 11:20 (30 minutes)*

**Primary author:** LAGRANGE, Jean-baptiste (Imperial College)

**Presenter:** LAGRANGE, Jean-baptiste (Imperial College)

Contribution ID: **36**

Type: **not specified**

## **Update on PRISM**

*Thursday, 8 September 2016 11:50 (30 minutes)*

**Presenter:** PASTERNAK, Jaroslaw (Imperial College, London)

Contribution ID: 37

Type: **not specified**

## Discussion

*Thursday, 8 September 2016 12:20 (25 minutes)*

Contribution ID: **38**

Type: **not specified**

## **Solenoid-focussing internal target ring design**

*Thursday, 8 September 2016 14:00 (30 minutes)*

**Primary author:** ROGERS, Chris (STFC)

**Presenter:** ROGERS, Chris (STFC)

Contribution ID: 39

Type: **not specified**

## **Integer Resonance Crossing in linear non-scaling FFAGs**

*Thursday, 8 September 2016 14:30 (30 minutes)*

**Presenter:** KELLIHER, David (ASTeC/RAL/STFC)

Contribution ID: 40

Type: **not specified**

## **Fringe fields in combined function magnets**

*Thursday, 8 September 2016 15:00 (30 minutes)*

**Primary author:** MURATORI, Bruno

**Presenter:** MURATORI, Bruno

Contribution ID: 41

Type: **not specified**

## Discussion

*Thursday, 8 September 2016 15:30 (20 minutes)*

Contribution ID: 42

Type: **not specified**

## Tune compensation in Fixed Field Alternating Gradient accelerators

*Thursday, 8 September 2016 16:10 (30 minutes)*

**Primary author:** HAJ TAHAR, Malek (Brookhaven National Laboratory)

**Presenter:** HAJ TAHAR, Malek (Brookhaven National Laboratory)

Contribution ID: 43

Type: **not specified**

## **IBEX Paul Trap studies**

*Thursday, 8 September 2016 16:40 (30 minutes)*

**Presenter:** Dr SHEEHY, Suzie (University of Oxford and STFC/ASTeC/RAL)

Contribution ID: 44

Type: **not specified**

## Discussion

*Thursday, 8 September 2016 17:10 (20 minutes)*

Contribution ID: 45

Type: **not specified**

## **Report on KURRI Collaboration achievements, Dr T. Uesugi**

*Friday, 9 September 2016 09:00 (45 minutes)*

Contribution ID: 46

Type: **not specified**

## **Space charge developments in Zgoubi, application to KURRI FFAG lattice studies**

*Friday, 9 September 2016 09:45 (45 minutes)*

**Primary author:** HAJ TAHAR, Malek (Brookhaven National Laboratory)

**Presenter:** HAJ TAHAR, Malek (Brookhaven National Laboratory)

Contribution ID: 47

Type: **not specified**

## **A compact FFAG and thin internal target for radioisotope production, Mr D. Bruton**

*Friday, 9 September 2016 10:50 (30 minutes)*

Contribution ID: 48

Type: **not specified**

## **Compact CW nonscaling FFAGs for high intensity protons**

*Friday, 9 September 2016 11:20 (45 minutes)*

**Primary author:** JOHNSTONE, Carol (Fermilab)

**Presenter:** JOHNSTONE, Carol (Fermilab)

Contribution ID: 49

Type: **not specified**

## Status of FFAG codes benchmarking

*Friday, 9 September 2016 12:05 (45 minutes)*

**Primary author:** MACHIDA, Shinji (STFC/RAL)

**Presenter:** MACHIDA, Shinji (STFC/RAL)

Contribution ID: 50

Type: **not specified**

## **Studies of high intensity proton FFAGs**

*Friday, 9 September 2016 14:00 (45 minutes)*

**Primary author:** PRIOR, Chris (STFC)

**Presenter:** PRIOR, Chris (STFC)

Contribution ID: 51

Type: **not specified**

## **Discussion on next experimental machines**

*Friday, 9 September 2016 14:45 (45 minutes)*

Contribution ID: 52

Type: **not specified**

## **FFAG School summary**

*Friday, 9 September 2016 15:50 (20 minutes)*

**Primary author:** LAGRANGE, Jean-baptiste (Imperial College)

**Presenter:** LAGRANGE, Jean-baptiste (Imperial College)

Contribution ID: 53

Type: **not specified**

## Workshop summary

*Friday, 9 September 2016 16:10 (30 minutes)*

**Presenter:** HAJ TAHAR, Malek (Brookhaven National Laboratory)

Contribution ID: 54

Type: **not specified**

## Closing remarks

*Friday, 9 September 2016 16:40 (20 minutes)*

**Primary author:** PASTERNAK, Jaroslaw (Imperial College, London)

**Presenter:** PASTERNAK, Jaroslaw (Imperial College, London)