

**FFAG'17 International
Workshop on FFAG
Accelerators**

Report of Contributions

Contribution ID: 0

Type: **not specified**

Status of 150-MeV FFAG Accelerator of Kyushu University

Friday, 8 September 2017 08:30 (30 minutes)

Presenter: YONEMURA, Yujiro

Session Classification: Status

Contribution ID: 1

Type: **not specified**

Status report of KURRI FFAG Facility

Friday, 8 September 2017 09:00 (30 minutes)

Presenter: ISHI, Yoshihiro

Session Classification: Status

Contribution ID: 2

Type: **not specified**

Tune Compensation and Dynamic Acceptance Studies in Imperfect Scaling FFAG

Friday, 8 September 2017 09:30 (30 minutes)

Presenter: HAJ TAHAR, Malek

Session Classification: Status

Contribution ID: 3

Type: **not specified**

Test of Linear-Field Non-Scaling FFAG Arc with a Wide Energy Range

Presenter: Dr BROOKS, Stephen (BNL)

Contribution ID: 4

Type: **not specified**

CBETA Overview

Friday, 8 September 2017 11:30 (15 minutes)

Presenter: HOFFSTAETTER, Georg

Session Classification: Status

Contribution ID: 5

Type: **not specified**

CBETA Tour

Friday, 8 September 2017 13:00 (1 hour)

Contribution ID: 6

Type: **not specified**

Test of Linear-Field Non-Scaling FFAG Arc with a Wide Energy Range

Friday, 8 September 2017 14:30 (30 minutes)

Presenter: Dr BROOKS, Stephen (BNL)

Session Classification: New Concepts

Contribution ID: 7

Type: **not specified**

Novel concept of a Non-Scaling Fixed Field Alternating Gradient Accelerator

Friday, 8 September 2017 15:30 (30 minutes)

Presenter: HAJ TAHAR, Malek

Session Classification: New Concepts

Contribution ID: 8

Type: **not specified**

NS-FFAG matched to the long linac straight section

Friday, 8 September 2017 16:00 (30 minutes)

Presenter: Dr TRBOJEVIC, Dejan (CAD)

Session Classification: New Concepts

Contribution ID: 9

Type: **not specified**

The Study of Scaling FFAGs in a multipole ion trap

Friday, 8 September 2017 16:30 (30 minutes)

Presenter: KELLIHER, David

Session Classification: New Concepts

Contribution ID: **10**

Type: **not specified**

CBETA: FFAG Beamline Design

Saturday, 9 September 2017 08:50 (20 minutes)

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

Session Classification: CBETA

Contribution ID: 11

Type: **not specified**

CBETA Multipass Lattice Design

Saturday, 9 September 2017 08:30 (20 minutes)

Presenter: MAYES, Chris (SLAC)

Session Classification: CBETA

Contribution ID: 12

Type: **not specified**

CBETA: Magnet design and correction

Saturday, 9 September 2017 09:10 (20 minutes)

Presenter: Dr BROOKS, Stephen (BNL)

Session Classification: CBETA

Contribution ID: 13

Type: **not specified**

Assessment of 3D OPERA design of CBETA cell

Saturday, 9 September 2017 09:30 (20 minutes)

Presenter: MEOT, francois (bnl)

Session Classification: CBETA

Contribution ID: 14

Type: **not specified**

CBETA: Initial Girder, Construction Challenges

Presenter: Mr MAHLER, George (BNL)

Contribution ID: 15

Type: **not specified**

CBETA: Orbit Corrections

Presenter: LOU, William (Cornell)

Contribution ID: 16

Type: **not specified**

EMMA Experience; orbit correction in EMMA

Saturday, 9 September 2017 11:30 (20 minutes)

Presenter: KELLIHER, David (ISIS/RAL/STFC)

Session Classification: CBETA

Contribution ID: 17

Type: **not specified**

CBETA: Commissioning Plan

Saturday, 9 September 2017 10:30 (20 minutes)

Presenter: BARTNIK, Adam (Cornell)

Session Classification: CBETA

Contribution ID: 19

Type: **not specified**

Intense Muon Source with MERIT_FFAG

Friday, 8 September 2017 10:30 (30 minutes)

Presenter: MORI, Yoshiharu (Kyoto University)

Session Classification: Status

Contribution ID: 20

Type: **not specified**

Energy effective negative muon production with FFAG for energy production

Presenter: MORI, Yoshiharu (Kyoto University)

Contribution ID: 21

Type: **not specified**

Development of MERIT

Monday, 11 September 2017 08:30 (30 minutes)

Presenter: OKITA, Hidefumi (Kyoto University)

Session Classification: Muon

Contribution ID: 22

Type: **not specified**

FFAG Applications for Muon Science

Monday, 11 September 2017 09:00 (30 minutes)

Presenter: SATO, Akira (Osaka University)

Session Classification: Muon

Contribution ID: 23

Type: **not specified**

Towards nuSTORM facility - overview of accelerator designs

Monday, 11 September 2017 09:30 (30 minutes)

Presenter: PASTERNAK, Jaroslaw (Imperial College)

Session Classification: Muon

Contribution ID: 24

Type: **not specified**

Correction of focusing force with pole surface coils for the radial sector type FFAG accelerator

Sunday, 10 September 2017 13:30 (30 minutes)

Presenter: UEDA, Mitsutaka (Kyushu University)

Session Classification: Hardware

Contribution ID: 25

Type: **not specified**

Measurement of magnetic hysteresis effects of the bending magnet for beam transport 1

Sunday, 10 September 2017 14:00 (30 minutes)

Presenter: SUGAHARA, Kengo (Kindai University)

Session Classification: Hardware

Contribution ID: 26

Type: **not specified**

Measurement of magnetic hysteresis effects of the bending magnet for beam transport 2

Sunday, 10 September 2017 14:30 (30 minutes)

Presenter: YASUTOMI, Ritsuki (Kindai University)

Session Classification: Hardware

Contribution ID: 27

Type: **not specified**

Control of KURRI FFAG

Sunday, 10 September 2017 15:00 (30 minutes)

Presenter: KURIYAMA, Yasutoshi (Kyoto University)

Session Classification: Hardware

Contribution ID: 28

Type: **not specified**

Off-midplane field expansion from midplane field data

Sunday, 10 September 2017 16:00 (30 minutes)

Presenter: Dr TSOUPAS, Nicholas (BNL)

Session Classification: Hardware

Contribution ID: 29

Type: **not specified**

FFAG design for next generation short pulse neutron and muon source

Sunday, 10 September 2017 08:30 (30 minutes)

Presenter: MACHIDA, Shinji (STFC RAL)

Session Classification: High Intensity Protons

Contribution ID: **30**

Type: **not specified**

Dynamic aperture studies in scaling FFAGs

Sunday, 10 September 2017 11:00 (20 minutes)

Presenter: KELLIHER, David (ISIS/RAL/STFC)

Session Classification: High Intensity Protons

Contribution ID: 31

Type: **not specified**

Conceptual Design of Proton Drivers for Accelerator Driven System

Sunday, 10 September 2017 09:00 (30 minutes)

Presenter: FUWA, Yasuhiro (Kyoto University)

Session Classification: High Intensity Protons

Contribution ID: 32

Type: **not specified**

Harmonictron as intensity frontier

Sunday, 10 September 2017 09:30 (30 minutes)

Presenter: MORI, Yoshiharu (Kyoto University)

Session Classification: High Intensity Protons

Contribution ID: 33

Type: **not specified**

Update on KURRI-FFAG simulations using OPAL

Sunday, 10 September 2017 10:00 (30 minutes)

Presenter: SHEEHY, Suzie (Univ. of Oxford)

Session Classification: High Intensity Protons

Contribution ID: 34

Type: **not specified**

Cancer Therapy Proton Gantry made of Halbach type Permanent Magnets

Monday, 11 September 2017 10:30 (20 minutes)

Presenter: Dr TRBOJEVIC, Dejan (CAD)

Session Classification: Medical

Contribution ID: 35

Type: **not specified**

Progress on Ion Therapy in the US

Monday, 11 September 2017 11:05 (20 minutes)

Presenter: JOHNSTONE, Carol (Fermilab)

Session Classification: Medical

Contribution ID: 36

Type: **not specified**

HElimum ion Accelerator for radioTHERapy

Monday, 11 September 2017 11:25 (20 minutes)

Presenter: JOHNSTONE, Carol (Fermilab)

Session Classification: Medical

Contribution ID: 37

Type: **not specified**

Dual Proton - Helium accelerator for radioisotope production

Monday, 11 September 2017 11:45 (20 minutes)

Presenter: JOHNSTONE, Carol (Fermilab)

Session Classification: Medical

Contribution ID: **38**

Type: **not specified**

Introduction to and history of FFAGs

Wednesday, 6 September 2017 09:00 (45 minutes)

Presenter: MEOT, francois (bnl)

Contribution ID: **39**

Type: **not specified**

Scaling FFAG Optics

Wednesday, 6 September 2017 09:45 (30 minutes)

Presenter: MEOT, francois (bnl)

Contribution ID: 40

Type: **not specified**

Introduction to Bmad/Tao

Wednesday, 6 September 2017 10:15 (30 minutes)

Presenters: MAYES, Chris (SLAC); SAGAN, David (Cornell Univ.)

Contribution ID: 41

Type: **not specified**

Bmad/Tao Concepts

Wednesday, 6 September 2017 11:00 (1 hour)

Presenters: MAYES, Chris (cmayes@slac.stanford.edu); SAGAN, David (Cornell)

Contribution ID: 42

Type: **not specified**

Bmad optics matching examples

Wednesday, 6 September 2017 13:00 (2 hours)

Presenters: Dr MAYES, Christopher (SLAC); SAGAN, David (Cornell Univ.)

Contribution ID: 43

Type: **not specified**

Introduction to and history of ERLs

Wednesday, 6 September 2017 15:30 (45 minutes)

Presenter: Dr TENNANT, Chris (Jefferson Laboratory)

Contribution ID: 44

Type: **not specified**

ERL homeworkk recap

Thursday, 7 September 2017 09:00 (1 hour)

Presenter: MAYES, Chris (SLAC)

Contribution ID: 45

Type: **not specified**

BBU

Thursday, 7 September 2017 10:00 (45 minutes)

Presenters: CRITTENDEN, James (Cornell University); Mr LOU, William (Cornell University)

Contribution ID: 47

Type: **not specified**

Linear non-scaling FFAGs

Thursday, 7 September 2017 11:00 (1 hour)

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

Contribution ID: 48

Type: **not specified**

Modeling FFAGs with Bmad

Thursday, 7 September 2017 13:00 (1 hour)

Presenters: MAYES, Chris (SLAC); Mr SAGAN, David (Cornell); Dr BERG, J. Scott (Brookhaven National Laboratory)

Contribution ID: 50

Type: **not specified**

CBETA FFAG exercise

Thursday, 7 September 2017 14:00 (1 hour)

Presenters: MAYES, Chris (SLAC); Mr SAGAN, David (Cornell); Dr BERG, J. Scott (Brookhaven National Laboratory)

Contribution ID: 51

Type: **not specified**

Software tools for FFAGs: ZGOUBI

Thursday, 7 September 2017 15:30 (1h 30m)

Presenter: MEOT, francois (bnl)

Contribution ID: 52

Type: **not specified**

Concerns for Orbit Correction for CBETA

Presenter: Dr LIU, Chuyu (CAD)

Contribution ID: 53

Type: **not specified**

Lossless crossing of half-integer resonance stopband during tune modulation by synchrotron oscillations

Friday, 8 September 2017 17:00 (20 minutes)

Presenter: WANG, Guimei (Brookhaven National Laboratory)

Session Classification: New Concepts

Contribution ID: 54

Type: **not specified**

Study of FFAG Gantries and Adiabatic Transitions

Monday, 11 September 2017 10:50 (15 minutes)

Presenter: GASCOYNE, Julian (Univ. of Edinburgh)

Session Classification: Medical

Contribution ID: 55

Type: **not specified**

ERL optics example

Wednesday, 6 September 2017 16:15 (45 minutes)

Presenter: Dr MAYES, Christopher (SLAC)

Contribution ID: 56

Type: **not specified**

Longitudinal dynamics in ERLs

Wednesday, 6 September 2017 17:00 (30 minutes)

Presenter: Dr TENNANT, Chris (Jefferson Laboratory)

Contribution ID: 57

Type: **not specified**

Discussion of Future Prototype Projects

Monday, 11 September 2017 13:30 (30 minutes)

Contribution ID: 58

Type: **not specified**

Workshop Adjourn

Monday, 11 September 2017 14:00 (20 minutes)