

2023 Workshop on Fixed Field Alternating Gradient Accelerators (FFA'23)

Sunday, September 10, 2023 - Friday, September 15, 2023

Jefferson Lab, Newport News, VA 23606 USA

Book of Abstracts

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Types of FFAs and Transverse Dynamics - Stephen Brooks

Corresponding Author: sbrooks@bnl.gov

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Transverse Dynamics - Scott Berg

Corresponding Author: jsberg@bnl.gov

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Longitudinal Dynamics - David Kelliher

Corresponding Author: david.kelliher@stfc.ac.uk

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Longitudinal Dynamics/RF - Tom Uesegi

Author: Tomonori Uesugi¹

¹ *Kyoto University Research Reactor Institute*

Corresponding Author: touesugi@rri.kyoto-u.ac.jp

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BMAD Tutorial - Kirsten Deitrick

Author: Kirsten Deitrick¹

¹ *employee@jlab.org;member@jlab.org*

Corresponding Author: kirstend@jlab.org

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ZGOUBI Tutorial - Francois Meot

Author: Francois Meot¹

¹ *bnl*

Corresponding Author: fmeot@bnl.gov

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Diagnostics in FFAs - Yoshihiro Ishi

Author: Yoshihiro Ishi¹

¹ *Kyoto University*

Corresponding Author: ishi@rri.kyoto-u.ac.jp

Lecture V - Yoshihiro Ishi and Shinji Machida / 8

FFAs for high power proton machines - Shinji Machida

Author: Shinji Machida¹

¹ *STFC Rutherford Appleton Laboratory*

Corresponding Author: shinji.machida@stfc.ac.uk

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Medical FFA Applications - Carol Johnstone

Author: Carol Johnstone¹

¹ *Fermi National Accelerator Lab*

Corresponding Author: cjj@fnal.gov

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Electron and ERL FFA Applications - Kirsten Deitrick

Author: Kirsten Deitrick¹

¹ *employee@jlab.org;member@jlab.org*

Corresponding Author: kirstend@jlab.org

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Analytic tools for FFA design - Max Topp-Mugglestone

Author: Max Topp-Mugglestone¹

¹ *member@ox.ac.uk;student@ox.ac.uk*

Corresponding Author: max.topp-mugglestone@wolfson.ox.ac.uk

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Halbach Area permanent magnet tool - Stephen Brooks

Corresponding Author: sbrooks@bnl.gov

Lecture VIII - Carl Jolly / 13

OPAL Tutorial - Carl Jolly

Author: Carl Jolly¹

¹ *staff@stfc.ac.uk*

Corresponding Author: carl.jolly@stfc.ac.uk

Fundamental Ideas I - Session Chair: Dejan Trbojevic / 14

Welcome - Andrei Seryi

Author: Andrei Seryi¹

¹ *JLAB*

Corresponding Author: seryi@jlab.org

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Logistics - Alex Bogacz

Author: Alex Bogacz¹

¹ *Jefferson Lab*

Corresponding Author: bogacz@jlab.org

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12 GeV CEBAF - Andrei Seryi

Author: Andrei Seryi¹

¹ *JLAB*

Corresponding Author: seryi@jlab.org

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22 GeV CEBAF energy upgrade - Vasliiy Morozov

Author: Vasiliy Morozov¹

¹ *Thomas Jefferson National Accelerator Facility*

Corresponding Author: morozov@jlab.org

Fundamental Ideas II - Session Chair: Carol Johnstone / 18

FFA/Renovation - Yoshiharu Mori

Author: Yoshiharu Mori^{None}

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Constant-tune FFAs - Dejan Trbojevic

Author: Dejan Trbojevic¹

¹ *CAD*

Corresponding Author: dejan@bnl.gov

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Constant-tune Cyclotrons - Thomas Planche

Author: Thomas Planche^{None}

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Analytic model of vertical FFAs - Max Topp-Mugglestone

Author: Max Topp-Mugglestone¹

¹ *member@ox.ac.uk;student@ox.ac.uk*

Corresponding Author: max.topp-mugglestone@wolfson.ox.ac.uk

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FFA-Based Hadron RLA - Vasily Morozov

Author: Vasily Morozov¹

¹ *Thomas Jefferson National Accelerator Facility*

Corresponding Author: morozov@jlab.org

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Corresponding Author: sbrooks@bnl.gov

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Author: Carol Johnstone¹

¹ *Fermi National Accelerator Lab*

Corresponding Author: cjj@fnal.gov

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Recent activities at FLASH - Reinhard Schulte

Author: Reinhard Schulte¹

¹ *member@llu.edu*

Corresponding Author: rschulte@llu.edu

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FFA-based radiation hardness ion facility - Carol Johnstone

Author: Carol Johnstone¹

¹ *Fermi National Accelerator Lab*

Corresponding Author: cjj@fnal.gov

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Author: Francois Meot¹

¹ *bnl*

Corresponding Author: fmeot@bnl.gov

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Design Evolution of FFA LhARA - Jaroslaw Pasternak

Author: Jaroslaw Pasternak^{None}

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CBETA as a source of gamma photons from Compton back-scattering - Kirsten Deitrick

Author: Kirsten Deitrick¹

¹ *employee@jlab.org;member@jlab.org*

Corresponding Author: kirstend@jlab.org

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Author: Akira Sato^{None}

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Design Study for RAL FETS-FFA - Shinji Machida

Author: Shinji Machida¹

¹ *STFC Rutherford Appleton Laboratory*

Corresponding Author: shinji.machida@stfc.ac.uk

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Corresponding Author: rhbob@fnal.gov

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Author: Adam Steinberg¹

¹ *University of Manchester*

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Author: Dejan Trbojevic¹

¹ *CAD*

Corresponding Author: dejan@bnl.gov

FFA Hardware and Facilities II - Session Chair: Shane Koscielniak / 37

Electron nodel of vFFA for Harmonytron - Kyosuke Adachi

Author: Kyosuke Adachi^{None}

FFA Hardware and Facilities III - Stephen Brooks / 38

Electron Energy Corporation

Author: Heeju Choi^{None}

"Fringe" Ideas I - Session Chair: Heeju Choi / 39

Permanent magnet and electromagnet designs for nonlinear FFA fields - Stephen Brooks

Corresponding Author: sbrooks@bnl.gov

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Corresponding Author: shinji.machida@stfc.ac.uk

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Design of the FETS-FFA double spiral magnet - Ta-Jen Kuo

Author: Ta-Jen Kuo^{None}

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Author: Adam Steinberg^{None}

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Demonstration of Beam Stacking in a Scaling FFA - David Kelliher

Author: David Kelliher¹

¹ STFC

Corresponding Author: david.kelliher@stfc.ac.uk

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Machine Learning Based Study of vFFA Beam Optics - Adrian Oeftiger

Author: Adrian Oeftiger¹

¹ *GSI Helmholtz Centre for Heavy Ion Research*

Corresponding Author: a.oeftiger@gsi.de

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Author: David Kelliher¹

¹ *STFC*

Corresponding Author: david.kelliher@stfc.ac.uk

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The FFA Code Fixfield - Max Topp-Mugglestone

Author: Max Topp-Mugglestone¹

¹ *member@ox.ac.uk;student@ox.ac.uk*

Corresponding Author: max.topp-mugglestone@wolfson.ox.ac.uk

FFA Beam Dynamics III - Session Chair: Vasiliy Morozov / 49

Global Perspectives for the Future of FFA Accelerators - Dejan Trbojevic

Author: Dejan Trbojevic¹

¹ *CAD*

Corresponding Author: dejan@bnl.gov

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IOTA - Novel Integrable System - Sergei Nagaitsev

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Corresponding Author: bogacz@jlab.org

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Corresponding Author: dejan@bnl.gov

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Proposal for testing permanent magnets at CEBAF

Author: Ryan Bodenstein¹

¹ *Thomas Jefferson National Accelerator Facility*

Corresponding Author: ryanmb@jlab.org

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IOTA - Novel Integrable System - Sergei Nagaitsev

Author: Sergei Nagaitsev^{None}

Co-author: Sergei Nagaitsev

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Closeout - Alex Bogacz

Author: Alex Bogacz¹

¹ *Jefferson Lab*

Corresponding Author: bogacz@jlab.org

Fundamental Ideas III - Session Chair: Jaroslaw Pasternak / 58

Multi-Pass Correction Scheme for FFA Arcs

Author: Alexander Coxe¹

¹ *affiliate@jlab.org;member@jlab.org*

Corresponding Author: alexcoxe@jlab.org

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Author: Donish Khan^{None}

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Author: Reza Kazimi^{None}

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Canted-Cosine-Theta SC Magnets - Lucas Brouwer

Corresponding Author: lnbrouwer@lbl.gov

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Proposal for testing permanent magnets at CEBAF

Corresponding Author: ryanmb@jlab.org

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Conceptual design of FFA for super heavy element production using ERIT - Yoshihiro Ishi

Author: Yoshihiro Ishi¹

¹ *Kyoto University*

Corresponding Author: ishi@rri.kyoto-u.ac.jp

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Some FFA Applications - Carol Johnstone

Author: Carol Johnstone¹

¹ *Fermi National Accelerator Lab*

Corresponding Author: cjj@fnal.gov

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Corresponding Author: sbrooks@bnl.gov

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