

FFA'2025

Report of Contributions

Contribution ID: **10**

Type: **not specified**

Registration, Venue: Dept. Electronic Engineering building

Tuesday, 16 September 2025 09:00 (30 minutes)

Contribution ID: 11

Type: **not specified**

Welcome, Dr J. Pasternak, Dept. Electric Engineering building, LT408

Tuesday, 16 September 2025 09:30 (5 minutes)

Author: PASTERNAK, Jaroslaw

Presenter: PASTERNAK, Jaroslaw

Contribution ID: 80

Type: **not specified**

ERIT for Heavy-Ion Beams with Stochastic Charge State Conversion, Dr Yoshihiro Ishi (online)

Tuesday, 16 September 2025 09:35 (30 minutes)

Presenter: ISHI, Yoshihiro (Institute for Integrated Radiation and Nuclear Science, Kyoto University)

Contribution ID: **81**

Type: **not specified**

Status of development of FFAs at Kyushu University, Dr Yujiro Yonemura (online)

Tuesday, 16 September 2025 11:55 (30 minutes)

Presenter: YONEMURA, Yujiro

Contribution ID: 82

Type: **not specified**

**Possibility of nuclear transmutation of heavy
elements using FFAG-ERIT at Kyushu University,
Prof. Satoshi Sakaguchi (online)**

*Tuesday, 16 September 2025 10:05 (30 minutes)***Presenter:** SAKAGUCHI, Satoshi

Contribution ID: 83

Type: **not specified**

Analytical Approach to Neutron Yield Estimation in FFA-ERIT-Based Systems, Yasutomo Tominaga

Tuesday, 16 September 2025 11:25 (30 minutes)

Contribution ID: **84**

Type: **not specified**

CEBAF FFA upgrade status, Donish Khan (in person)

Tuesday, 16 September 2025 14:00 (50 minutes)

Presenter: KHAN, Donish

Contribution ID: 85

Type: **not specified**

Simulation study of RI-beam circulation in FFAG-ERIT toward synthesis of long-lived superheavy nuclei, Naoyuki Kitagawa (online)

*Tuesday, 16 September 2025 10:35 (30 minutes)***Presenter:** KITAGAWA, Naoyuki

Contribution ID: 86

Type: **not specified**

Isochronous FFAG arcs for the CEBAF upgrade, Dr Dejan Trbojevic (online)

*Tuesday, 16 September 2025 14:50 (30 minutes)***Presenter:** Dr TRBOJEVIC, Dejan (Brookhaven National Laboratory)

Contribution ID: 87

Type: **not specified**

Discussion on CEBAF upgrade

Tuesday, 16 September 2025 15:20 (10 minutes)

Contribution ID: 88

Type: **not specified**

A Diagnostic Suite for the FETS-FFA, David Posthuma de Boer (in person)

Tuesday, 16 September 2025 15:50 (30 minutes)

Presenter: POSTHUMA DE BOER, David

Contribution ID: **89**

Type: **not specified**

Discussion

Tuesday, 16 September 2025 16:20 (30 minutes)

Contribution ID: **90**

Type: **not specified**

Walk to the Reception, Blackett Lab, SCR, Level 8

Tuesday, 16 September 2025 16:50 (10 minutes)

Contribution ID: **91**

Type: **not specified**

muTRISTAN, Dr Hiromasa Takaura (online)

Wednesday, 17 September 2025 09:00 (50 minutes)

Presenter: Dr TAKAURA, Hiromasa

Contribution ID: 92

Type: **not specified**

Negative muonium ion source for muon accelerators, Dr Yoshihiro Ishi (online)

Wednesday, 17 September 2025 09:50 (30 minutes)

Presenter: ISHI, Yoshihiro (Institute for Integrated Radiation and Nuclear Science, Kyoto University)

Contribution ID: 93

Type: **not specified**

2FFA Transport Line for Laser-Plasma Accelerated Electrons, Dr Samira Fatehi (online)

Wednesday, 17 September 2025 11:20 (30 minutes)

Presenter: Dr FATEHI, Samira (Karlsruhe Institute of Technology (KIT))

Contribution ID: 94

Type: **not specified**

FFA application to the muon collider complex, Dr Max Topp-Mugglestone (online)

Wednesday, 17 September 2025 10:20 (30 minutes)

Presenter: Dr TOPP-MUGGLESTONE, Max

Contribution ID: 95

Type: **not specified**

Discussion on development of muon accelerators

Contribution ID: 96

Type: **not specified**

Discussion on development of muon accelerators

Wednesday, 17 September 2025 10:50 (10 minutes)

Contribution ID: 97

Type: **not specified**

R&D for high power proton cyclotrons, Dr Malek Haj Tahar (online)

Wednesday, 17 September 2025 11:50 (50 minutes)

Presenter: HAJ TAHAR, Malek (TRANSMUTEX SA)

Contribution ID: 98

Type: **not specified**

Design and study of a spiral focusing structure for FFAG at CSNS, Wu Bin (in person)

Thursday, 18 September 2025 09:00 (30 minutes)

Presenter: WUBIN, 吴彬

Contribution ID: 99

Type: **not specified**

Design of RF system for FFAG at CSNS, Jian Wu (online)

Thursday, 18 September 2025 09:30 (30 minutes)

Presenter: WU, Jian

Contribution ID: **100**

Type: **not specified**

Characterisation and mitigation of RF knockout, Carl Jolly (in person)

Thursday, 18 September 2025 10:00 (30 minutes)

Presenter: JOLLY, Carl

Contribution ID: **101**

Type: **not specified**

An FFA with a negative k-value and related subjects, Dr Shinji Machida (in person)

Thursday, 18 September 2025 11:20 (30 minutes)

Presenter: MACHIDA, Shinji

Contribution ID: **102**

Type: **not specified**

New acceleration scheme in FFA, Dr Tomonori Uesugi (online)

Thursday, 18 September 2025 10:30 (30 minutes)

Presenter: 上杉, 智教

Contribution ID: **103**

Type: **not specified**

LANDAU DAMPING IN SCALING FFAS, Dr David Kelliher (in person)

Thursday, 18 September 2025 11:50 (30 minutes)

Presenter: KELLIHER, David (STFC)

Contribution ID: **104**

Type: **not specified**

A 'Reverse Biot-Savart' method for calculating the coil shapes of iron-free magnets, Alan Letchford (in person)

Thursday, 18 September 2025 12:20 (30 minutes)

Presenter: LETCHFORD, Alan

Contribution ID: 105

Type: **not specified**

FFA Lattice Design for the fast-cycling permanent magnet cancer therapy accelerator with fixed betatron tunes, Dr Dejan Trbojevic

Contribution ID: 106

Type: **not specified**

FFA-based beam delivery: progress toward realisation of TURBO (Technology for Ultra Rapid Beam Operation), Dr Suzie Sheehy (in person)

Thursday, 18 September 2025 14:30 (30 minutes)

Presenter: Dr SHEEHY, Suzie (University of Oxford and University of Melbourne)

Contribution ID: **107**

Type: **not specified**

Status of FFA development for LhARA project, Dr J. Pasternak (in person)

Thursday, 18 September 2025 15:00 (30 minutes)

Presenter: PASTERNAK, Jaroslaw

Contribution ID: **109**Type: **not specified**

**Design of FFA magnet for the laser-hybrid
accelerator for radiobiological applications (LhARA),
Ta-Jen Kuo (in person)**

Thursday, 18 September 2025 15:50 (30 minutes)

Presenter: KUO, Ta-Jen (Imperial College London)

Contribution ID: **110**Type: **not specified**

Test of a permanent magnet non-scaling FFA section with fixed tunes, Dr Stephen Brooks (in person)

*Friday, 19 September 2025 09:30 (50 minutes)***Presenter:** BROOKS, Stephen (Brookhaven National Laboratory)

Contribution ID: 111

Type: **not specified**

Status of the LBNL R&D program developing elliptic-aperture combined-function superconducting magnets, Lucas Brouwer

Friday, 19 September 2025 10:20 (30 minutes)

Presenter: BROUWER, Lucas

Contribution ID: 112

Type: **not specified**

FFA magnet prototype, Dr Jean-Baptiste Lagrange

Friday, 19 September 2025 11:50 (30 minutes)

Presenter: LAGRANGE, Jean-Baptiste

Contribution ID: 113

Type: **not specified**

Design of prototype magnets for FETS-FFA, Ta-Jen Kuo (in person)

Friday, 19 September 2025 11:20 (30 minutes)

Presenter: KUO, Ta-Jen (Imperial College London)

Contribution ID: **114**

Type: **not specified**

Discussion or extra contributions

Contribution ID: 115

Type: **not specified**

Discussion on FFA magnet development plans

Friday, 19 September 2025 12:20 (20 minutes)

Contribution ID: **116**

Type: **not specified**

Raport from IOC meeting

Friday, 19 September 2025 14:00 (30 minutes)

Presenters: PASTERNAK, Jaroslaw; Dr SHEEHY, Suzie (University of Oxford and University of Melbourne)

Contribution ID: **117**

Type: **not specified**

Open discussion

Thursday, 18 September 2025 16:50 (50 minutes)

Contribution ID: **118**

Type: **not specified**

Discussion

Tuesday, 16 September 2025 12:25 (20 minutes)

Contribution ID: **119**

Type: **not specified**

Discussion

Wednesday, 17 September 2025 12:40 (20 minutes)

strong text

Contribution ID: **120**

Type: **not specified**

Discussion

Friday, 19 September 2025 10:50 (10 minutes)

Contribution ID: **121**

Type: **not specified**

2-beam FFAG collider for MuCF, Prof. Yoshiharu Mori (online)

Friday, 19 September 2025 12:40 (20 minutes)

Presenter: 森, 義治

Contribution ID: 122

Type: **not specified**

Faraday cup on the FETS-FFA, Sushanta Sapkota (online)

Thursday, 18 September 2025 16:20 (30 minutes)