

Proton Accelerators for Science and Innovation



Report of Contributions

Contribution ID: **100**

Type: **not specified**

Introduction

Wednesday, 11 November 2015 11:10 (15 minutes)

Presenter: Prof. CHATTOPADHYAY, Swapan (Fermilab/NIU/CERN)

Session Classification: Plenary Session 1: Introduction

Contribution ID: **103**

Type: **not specified**

WG1 - High-Power Proton Accelerators

Wednesday, 11 November 2015 14:00 (25 minutes)

Presenter: Dr FAIRCLOTH, Dan (STFC)

Session Classification: Plenary Session 2

Contribution ID: **104**

Type: **not specified**

WG2 - High Power Targets

Wednesday, 11 November 2015 14:30 (25 minutes)

Presenter: Mr HURH, Patrick (FNAL)

Session Classification: Plenary Session 2

Contribution ID: **105**

Type: **not specified**

WG3 - Medical Applications

Wednesday, 11 November 2015 15:00 (10 minutes)

Presenter: Dr APSIMON, Robert (Lancaster University/Cockcroft Institute)

Session Classification: Plenary Session 2

Contribution ID: **106**

Type: **not specified**

WG4 - Next generation/Novel accelerators

Wednesday, 11 November 2015 15:15 (10 minutes)

Presenter: Dr SHEEHY, Suzie (ASTeC, STFC Rutherford Appleton Laboratory)

Session Classification: Plenary Session 2

Contribution ID: **107**

Type: **not specified**

WG1

Friday, 13 November 2015 13:30 (15 minutes)

Presenter: GALLINUCCI GARCIA, Fernanda (Fermilab)

Session Classification: Plenary Session 4

Contribution ID: **108**

Type: **not specified**

WG2

Friday, 13 November 2015 13:50 (15 minutes)

Presenter: Dr DENSHAM, Chris (STFC Rutherford Appleton Laboratory)

Session Classification: Plenary Session 4

Contribution ID: **109**

Type: **not specified**

WG3

Friday, 13 November 2015 14:10 (15 minutes)

Presenter: Dr APSIMON, Robert (Lancaster University/Cockcroft Institute)

Session Classification: Plenary Session 4

Contribution ID: **110**

Type: **not specified**

WG4

Friday, 13 November 2015 14:30 (15 minutes)

Presenter: Dr SHEEHY, Suzie (University of Oxford)

Session Classification: Plenary Session 4

Contribution ID: **112**

Type: **not specified**

Adjourn

Contribution ID: **113**

Type: **not specified**

WG1

Contribution ID: **114**

Type: **not specified**

WG2

Contribution ID: **115**

Type: **not specified**

WG3

Contribution ID: **116**

Type: **not specified**

WG4

Contribution ID: **117**

Type: **not specified**

Concluding Remarks

Contribution ID: 119

Type: **not specified**

High Power Proton Accelerators: UK vision & capabilities

Wednesday, 11 November 2015 11:30 (25 minutes)

Presenter: Dr THOMASON, John (STFC)

Session Classification: Plenary Session 1: Introduction

Contribution ID: **120**

Type: **not specified**

Welcome

Wednesday, 11 November 2015 11:00 (10 minutes)

Presenter: NAGAITSEV, Sergei (FNAL)

Session Classification: Plenary Session 1: Introduction

Contribution ID: 121

Type: **not specified**

High Power Proton Accelerators: PIP II & III

Wednesday, 11 November 2015 12:00 (25 minutes)

Presenter: Dr PREBYS, Eric (Fermilab)

Session Classification: Plenary Session 1: Introduction

Contribution ID: 122

Type: **not specified**

WG1: High Power Proton Group

Contribution ID: 123

Type: **not specified**

WG2: Target Group

Contribution ID: 124

Type: **not specified**

WG3: Medical Applications Group

Contribution ID: 125

Type: **not specified**

WG3: Next Generation/Novel Accelerators Group

Contribution ID: 126

Type: **not specified**

WG4: Next Generation/Novel Accelerators Group

Contribution ID: 127

Type: **not specified**

Roundtable Discussion

Thursday, 12 November 2015 15:50 (1h 40m)

Presenters: POZIMSKI, Juergen (Imperial College London); MCINTOSH, Peter (STFC Daresbury Laboratory); Prof. RATOFF, Peter (Lancaster University); NAGAITSEV, Sergei (FNAL); Prof. CHAT-
TOPADHYAY, Swapan (Fermilab/NIU/CERN); Dr SHILTSEV, Vladimir (FNAL)

Session Classification: Plenary Session 3

Contribution ID: **128**

Type: **not specified**

Introduction

Wednesday, 11 November 2015 16:00 (5 minutes)

Presenter: GALLINUCCI GARCIA, Fernanda (Fermilab)

Session Classification: Working Group Session 1

Contribution ID: **129**

Type: **not specified**

H- Ion Source Development at FNAL

Wednesday, 11 November 2015 16:05 (20 minutes)

Presenter: GARCIA SOSA, Alex (Fermilab)

Session Classification: Working Group Session 1

Contribution ID: **130**

Type: **not specified**

Discussion

Wednesday, 11 November 2015 16:55 (10 minutes)

Session Classification: Working Group Session 1

Contribution ID: 131

Type: **not specified**

H- Ion Source Development at RAL

Wednesday, 11 November 2015 16:35 (20 minutes)

Presenter: Dr FAIRCLOTH, Dan (STFC)

Session Classification: Working Group Session 1

Contribution ID: **132**

Type: **not specified**

Discussion

Contribution ID: 133

Type: **not specified**

Overview of PXIE

Thursday, 12 November 2015 09:00 (20 minutes)

Presenter: PROST, Lionel (Fermilab)

Session Classification: Working Group Session 2

Contribution ID: 134

Type: **not specified**

Discussion

Thursday, 12 November 2015 09:20 (10 minutes)

Session Classification: Working Group Session 2

Contribution ID: 135

Type: **not specified**

Overview of FETs

Thursday, 12 November 2015 09:30 (20 minutes)

Presenter: LETCHFORD, Alan (ISIS)

Session Classification: Working Group Session 2

Contribution ID: **136**

Type: **not specified**

Discussion

Thursday, 12 November 2015 09:50 (10 minutes)

Session Classification: Working Group Session 2

Contribution ID: 137

Type: **not specified**

Overview of FAST

Thursday, 12 November 2015 10:00 (20 minutes)

Presenter: VALISHEV, Alexander (Fermilab)

Session Classification: Working Group Session 2

Contribution ID: **138**

Type: **not specified**

Discussion

Thursday, 12 November 2015 10:20 (20 minutes)

Session Classification: Working Group Session 2

Contribution ID: **139**

Type: **not specified**

Diagnostic in PXIE

Thursday, 12 November 2015 11:00 (20 minutes)

Presenter: SCARPINE, Vic (Fermilab)

Session Classification: Working Group Session 3

Contribution ID: **140**

Type: **not specified**

Discussion

Thursday, 12 November 2015 11:20 (10 minutes)

Session Classification: Working Group Session 3

Contribution ID: **141**

Type: **not specified**

Diagnostic in FETs

Thursday, 12 November 2015 11:30 (20 minutes)

Presenter: Dr GIBSON, Stephen (Royal Holloway, University of London)

Session Classification: Working Group Session 3

Contribution ID: 142

Type: **not specified**

Discussion

Thursday, 12 November 2015 11:50 (10 minutes)

Session Classification: Working Group Session 3

Contribution ID: 143

Type: **not specified**

Overview of Diagnostics Work on the ISIS Accelerator

Thursday, 12 November 2015 12:00 (20 minutes)

Presenter: PERTICA, Alex (STFC)

Session Classification: Working Group Session 3

Contribution ID: 144

Type: **not specified**

Discussion

Thursday, 12 November 2015 12:20 (10 minutes)

Session Classification: Working Group Session 3

Contribution ID: 145

Type: **not specified**

SRF Development at FNAL

Friday, 13 November 2015 09:00 (20 minutes)

Presenter: POSEN, Sam (Fermilab)

Session Classification: Working Group Session 5: WG1

Contribution ID: 146

Type: **not specified**

Discussion

Friday, 13 November 2015 09:20 (10 minutes)

Session Classification: Working Group Session 5: WG1

Contribution ID: 147

Type: **not specified**

SRF Development at Daresbury

Friday, 13 November 2015 09:30 (20 minutes)

Presenter: MCINTOSH, Peter (STFC Daresbury Laboratory)

Session Classification: Working Group Session 5: WG1

Contribution ID: **148**

Type: **not specified**

Discussion

Friday, 13 November 2015 09:50 (10 minutes)

Session Classification: Working Group Session 5: WG1

Contribution ID: 149

Type: **not specified**

Normally Conducting RF - An Overview of the ISIS accelerators

Friday, 13 November 2015 10:00 (20 minutes)

Presenter: MARK, Keelan (STFC)

Session Classification: Working Group Session 5: WG1

Contribution ID: **150**

Type: **not specified**

Discussion

Friday, 13 November 2015 10:20 (10 minutes)

Session Classification: Working Group Session 5: WG1

Contribution ID: 151

Type: **not specified**

Proton (and other ions) Accelerators: Medical Needs and Perspective

Wednesday, 11 November 2015 13:30 (25 minutes)

Presenter: KIRKBY, Karen

Session Classification: Plenary Session 1: Introduction

Contribution ID: 152

Type: **not specified**

FFAG Development in the UK

Thursday, 12 November 2015 09:00 (30 minutes)

Presenter: Dr KELLIHER, David

Session Classification: Working Group Session 2

Contribution ID: 153

Type: **not specified**

FFAGs for fundamental research

Thursday, 12 November 2015 09:30 (30 minutes)

Presenter: Dr LAGRANGE, jean-baptiste (Imperial College/Fermilab)

Session Classification: Working Group Session 2

Contribution ID: 154

Type: **not specified**

Laser-driven, high-brightness proton and neutron sources

Thursday, 12 November 2015 11:00 (30 minutes)

Presenter: Dr BRENNER, Ceri

Session Classification: Working Group Session 3

Contribution ID: 155

Type: **not specified**

Solid State Proton Acceleration

Thursday, 12 November 2015 11:30 (30 minutes)

Presenter: Dr PERSAUD, Arun (Lawrence Berkeley National Laboratory)

Session Classification: Working Group Session 3

Contribution ID: **156**

Type: **not specified**

MICE

Wednesday, 11 November 2015 16:00 (30 minutes)

Presenter: Dr SNOPOK, Pavel (IIT/Fermilab)

Session Classification: Working Group Session 1

Contribution ID: 157

Type: **not specified**

All in a spin – An introduction to muon science

Wednesday, 11 November 2015 16:30 (30 minutes)

Presenter: HILLIER, Adrian

Session Classification: Working Group Session 1

Contribution ID: **158**

Type: **not specified**

Surface Muons/Material Science

Contribution ID: **159**

Type: **not specified**

IOTA

Thursday, 12 November 2015 13:30 (20 minutes)

Presenter: VALISHEV, Alexander (Fermilab)

Session Classification: Working Group Session 4

Contribution ID: **160**

Type: **not specified**

Nonlinear Optics Simulation

Thursday, 12 November 2015 14:00 (20 minutes)

Presenter: Dr COOK, Nathan (RadiaSoft)

Session Classification: Working Group Session 4

Contribution ID: **161**

Type: **not specified**

Simulation

Contribution ID: 162

Type: **not specified**

Utilization of Laser Stripping for H- Multi-turn Injection: An Overview

Thursday, 12 November 2015 15:00 (20 minutes)

Presenter: JOHNSON, David (Fermilab)

Session Classification: Working Group Session 4

Contribution ID: **163**

Type: **not specified**

Superconducting Magnets

Friday, 13 November 2015 09:00 (30 minutes)

Presenter: Dr PRESTEMON, Soren (Lawrence Berkeley National Laboratory)

Session Classification: Working Group Session 5

Contribution ID: **164**

Type: **not specified**

ADS

Friday, 13 November 2015 09:30 (30 minutes)

Presenter: Dr ROBERTS, Tom (Muons, Inc.)

Session Classification: Working Group Session 5

Contribution ID: **165**

Type: **not specified**

SRF and Crab Cavities

Friday, 13 November 2015 10:00 (30 minutes)

Presenter: Prof. RATOFF, Peter (Lancaster University)

Session Classification: Working Group Session 5

Contribution ID: **166**

Type: **not specified**

High Power Proton Linac Development

Thursday, 12 November 2015 14:30 (20 minutes)

Presenter: Dr PLOSTINAR, Ciprian

Session Classification: Working Group Session 4

Contribution ID: **167**

Type: **not specified**

NORMA FFAG

Thursday, 12 November 2015 12:00 (30 minutes)

Presenter: Mr TYGIER, Sam (University of Manchester)

Session Classification: Working Group Session 3

Contribution ID: **168**

Type: **not specified**

metaheuristic algorithms in nuSTORM and MICE

Wednesday, 11 November 2015 17:00 (30 minutes)

Presenter: Dr LIU, Ao (Fermilab)

Session Classification: Working Group Session 1

Contribution ID: **169**

Type: **not specified**

US proton therapy status

Presenter: Dr SCHULTE, Reinhard

Contribution ID: 170

Type: **not specified**

UK Proton Therapy Status

Presenter: Prof. KIRKBY, Karen

Contribution ID: 171

Type: **not specified**

ProVision

Presenter: Dr SCHREUDER, Nicholas

Contribution ID: 172

Type: **not specified**

Varian

Presenter: Dr TIMMER, Jan

Contribution ID: 173

Type: **not specified**

NorthStar Radioisotope production

Thursday, 12 November 2015 10:00 (20 minutes)

Presenter: Dr HARVEY, James

Session Classification: Working Group Session 2

Contribution ID: 174

Type: **not specified**

Phoenix Nuclear/Shine

Presenter: Dr RADEL, Ross

Contribution ID: 175

Type: **not specified**

MURR

Contribution ID: 176

Type: **not specified**

ProBE cyclinac for Proton and Ion therapy

Presenter: Dr APSIMON, Robert (Lancaster University/Cockcroft Institute)

Contribution ID: 177

Type: **not specified**

WG3: Roundtable Discussion

Thursday, 12 November 2015 13:30 (2 hours)

Session Classification: Working Group Session 4

Contribution ID: 178

Type: **not specified**

ProBE cyclinac for proton and ion therapy

Presenter: Dr APSIMON, Robert (Lancaster University/Cockcroft Institute)

Contribution ID: 179

Type: **not specified**

Proton CT

Presenter: Dr COUTRAKON, George

Contribution ID: **180**

Type: **not specified**

Overview of Ion Therapy

Presenter: Mr KROC, Thomas (FNAL)

Contribution ID: **181**

Type: **not specified**

UK neutron production

Contribution ID: **182**

Type: **not specified**

Recent operational experiences at NuMI

Wednesday, 11 November 2015 16:25 (25 minutes)

Presenter: HYLEN, Jim (Fermi National Accelerator Laboratory)

Session Classification: Working Group Session 1

Contribution ID: **183**

Type: **not specified**

Recent operational experiences at T2K

Wednesday, 11 November 2015 16:50 (25 minutes)

Presenter: Dr DENSHAM, Chris (STFC Rutherford Appleton Laboratory)

Session Classification: Working Group Session 1

Contribution ID: **184**

Type: **not specified**

Recent operational experiences at BNB

Wednesday, 11 November 2015 16:00 (25 minutes)

Presenter: KOBILARCIK, Thomas R. (FNAL/AD/EBD)

Session Classification: Working Group Session 1

Contribution ID: **185**

Type: **not specified**

BNB Upgrade Plans

Thursday, 12 November 2015 09:00 (25 minutes)

Presenter: Dr PAVLOVIC, Zarko (Fermilab)

Session Classification: Working Group Session 2

Contribution ID: **186**

Type: **not specified**

Overview of LBNF Beamline Baseline Design & Target R&D activities

Thursday, 12 November 2015 09:25 (25 minutes)

Presenter: Dr PAPANIMITRIOU, Vaia (Fermilab)

Session Classification: Working Group Session 2

Contribution ID: **187**

Type: **not specified**

LBNF Baseline Target Design

Thursday, 12 November 2015 09:50 (25 minutes)

Presenter: Mr CROWLEY, Cory (Fermi National Accelerator Lab)

Session Classification: Working Group Session 2

Contribution ID: **188**

Type: **not specified**

LBNF Alternative Target Design Concepts

Thursday, 12 November 2015 10:15 (25 minutes)

Presenter: Dr DAVENNE, Tristan (RAL)

Session Classification: Working Group Session 2

Contribution ID: **189**

Type: **not specified**

LBNF Beam Modeling - status, plans, and opportunities for collaboration

Thursday, 12 November 2015 11:00 (30 minutes)

Presenter: Dr FIELDS, Laura (Fermilab)

Session Classification: Working Group Session 3

Contribution ID: **190**

Type: **not specified**

STFC LBNF beam collaboration proposal status

Thursday, 12 November 2015 11:30 (20 minutes)

Presenter: Dr DENSHAM, Chris (STFC Rutherford Appleton Laboratory)

Session Classification: Working Group Session 3

Contribution ID: **191**

Type: **not specified**

Open Discussion on LBNF collaborative opportunities

Thursday, 12 November 2015 11:50 (40 minutes)

Session Classification: Working Group Session 3

Contribution ID: **192**

Type: **not specified**

RaDIATE Collaboration - overview

Thursday, 12 November 2015 13:30 (25 minutes)

Presenter: Mr HURH, Patrick (FNAL)

Session Classification: Working Group Session 4

Contribution ID: **193**

Type: **not specified**

Recent results of radiation damage studies into Be

Thursday, 12 November 2015 13:55 (25 minutes)

Presenter: Dr KUKSENKO, Viacheslav (University of Oxford)

Session Classification: Working Group Session 4

Contribution ID: **194**

Type: **not specified**

HRMT24: BeGrid Preliminary Results

Thursday, 12 November 2015 14:20 (25 minutes)

Presenter: Dr AMMIGAN, Kavin (Fermi National Accelerator Laboratory)

Session Classification: Working Group Session 4

Contribution ID: 195

Type: **not specified**

Plans for a RaDIATE HE proton irradiation run at BLIP

Thursday, 12 November 2015 14:45 (20 minutes)

Presenter: Mr HURH, Patrick (FNAL)

Session Classification: Working Group Session 4

Contribution ID: 196

Type: **not specified**

Open Discussion on R&D collaborative opportunities

Thursday, 12 November 2015 15:05 (25 minutes)

Session Classification: Working Group Session 4

Contribution ID: 197

Type: **not specified**

Mu2e target design and R&D

Friday, 13 November 2015 09:00 (25 minutes)

Presenter: Mr LOVERIDGE, Peter (Rutherford Appleton Laboratory)

Session Classification: Working Group Session 5

Contribution ID: **198**

Type: **not specified**

Next generation Mu2e target facility requirements

Friday, 13 November 2015 09:25 (20 minutes)

Presenter: Dr PREBYS, Eric (Fermilab)

Session Classification: Working Group Session 5

Contribution ID: 199

Type: **not specified**

Beam energy optimization for the Mu2e Target Station upgrade

Friday, 13 November 2015 09:45 (20 minutes)

Presenter: Dr PRONSKIKH, Vitaly (Fermilab)

Session Classification: Working Group Session 5

Contribution ID: 200

Type: **not specified**

Helium cooled target concept for a Next-Gen Mu2e Target

Friday, 13 November 2015 10:05 (20 minutes)

Presenter: Dr DAVENNE, Tristan (RAL)

Session Classification: Working Group Session 5

Contribution ID: **201**

Type: **not specified**

Open discussion on Next-Gen Mu2e collaborative opportunities

Friday, 13 November 2015 10:25 (15 minutes)

Session Classification: Working Group Session 5

Contribution ID: **202**

Type: **not specified**

Discussion

Wednesday, 11 November 2015 11:25 (5 minutes)

Session Classification: Plenary Session 1: Introduction

Contribution ID: **203**

Type: **not specified**

Discussion

Wednesday, 11 November 2015 12:25 (5 minutes)

Session Classification: Plenary Session 1: Introduction

Contribution ID: **204**

Type: **not specified**

Discussion

Wednesday, 11 November 2015 11:55 (5 minutes)

Session Classification: Plenary Session 1: Introduction

Contribution ID: **205**

Type: **not specified**

Discussion

Wednesday, 11 November 2015 13:55 (5 minutes)

Session Classification: Plenary Session 1: Introduction

Contribution ID: **206**

Type: **not specified**

Discussion

Wednesday, 11 November 2015 14:25 (5 minutes)

Session Classification: Plenary Session 2

Contribution ID: **207**

Type: **not specified**

Discussion

Wednesday, 11 November 2015 14:55 (5 minutes)

Session Classification: Plenary Session 2

Contribution ID: **208**

Type: **not specified**

Discussion

Wednesday, 11 November 2015 15:10 (5 minutes)

Session Classification: Plenary Session 2

Contribution ID: **209**

Type: **not specified**

Discussion

Wednesday, 11 November 2015 15:25 (5 minutes)

Session Classification: Plenary Session 2

Contribution ID: **210**

Type: **not specified**

Discussion

Wednesday, 11 November 2015 16:25 (10 minutes)

Session Classification: Working Group Session 1

Contribution ID: **211**

Type: **not specified**

Concluding Remarks

Contribution ID: **212**

Type: **not specified**

Discussion

Contribution ID: **213**

Type: **not specified**

Discussion

Friday, 13 November 2015 13:45 (5 minutes)

Session Classification: Plenary Session 4

Contribution ID: **214**

Type: **not specified**

Discussion

Friday, 13 November 2015 14:05 (5 minutes)

Session Classification: Plenary Session 4

Contribution ID: 215

Type: **not specified**

Discussion

Friday, 13 November 2015 14:45 (5 minutes)

Session Classification: Plenary Session 4

Contribution ID: **216**

Type: **not specified**

Discussion

Friday, 13 November 2015 14:25 (5 minutes)

Session Classification: Plenary Session 4

Contribution ID: 217

Type: **not specified**

Concluding Remarks

Friday, 13 November 2015 14:50 (20 minutes)

Presenter: Prof. LONG, Kenneth (Imperial College London)

Session Classification: Plenary Session 4

Contribution ID: **218**

Type: **not specified**

Discussion

Friday, 13 November 2015 15:10 (5 minutes)

Session Classification: Plenary Session 4

Contribution ID: **219**

Type: **not specified**

Adjourn

Friday, 13 November 2015 15:15 (15 minutes)

Session Classification: Plenary Session 4

Contribution ID: 220

Type: **not specified**

ProBE at Christie Hospital

Wednesday, 11 November 2015 16:00 (30 minutes)

Presenter: Dr APSIMON, Robert (Lancaster University/Cockcroft Institute)

Session Classification: Working Group Session 1

Contribution ID: **221**

Type: **not specified**

Proton CT

Wednesday, 11 November 2015 16:30 (30 minutes)

Presenter: Dr COUTRAKON, George

Session Classification: Working Group Session 1

Contribution ID: 222

Type: **not specified**

UK overview of Proton Therapy

Thursday, 12 November 2015 09:00 (20 minutes)

Presenter: Prof. KIRKBY, Karen

Session Classification: Working Group Session 2

Contribution ID: 223

Type: **not specified**

US overview of Proton Therapy

Thursday, 12 November 2015 09:20 (20 minutes)

Presenter: Dr BELTRAN, Chris

Session Classification: Working Group Session 2

Contribution ID: 224

Type: **not specified**

Proton therapy

Thursday, 12 November 2015 09:40 (20 minutes)

Presenter: Dr PANKUCH, Mark

Session Classification: Working Group Session 2

Contribution ID: 225

Type: **not specified**

Ion therapy

Friday, 13 November 2015 09:00 (30 minutes)

Presenter: Mr KROC, Thomas (FNAL)

Session Classification: Working Group Session 5

Contribution ID: 226

Type: **not specified**

Applications of FETS

Friday, 13 November 2015 09:30 (30 minutes)

Presenter: Dr GIBSON, Stephen (Royal Holloway, University of London)

Session Classification: Working Group Session 5

Contribution ID: 227

Type: **not specified**

Discussion

Thursday, 12 November 2015 13:50 (10 minutes)

Session Classification: Working Group Session 4

Contribution ID: 228

Type: **not specified**

Discussion

Thursday, 12 November 2015 14:20 (10 minutes)

Session Classification: Working Group Session 4

Contribution ID: **229**

Type: **not specified**

Discussion

Thursday, 12 November 2015 14:50 (10 minutes)

Session Classification: Working Group Session 4

Contribution ID: **230**

Type: **not specified**

Discussion

Thursday, 12 November 2015 15:20 (10 minutes)

Session Classification: Working Group Session 4

Contribution ID: **231**

Type: **not specified**

Radioisotopes

Primary author: Dr HARVEY, James (NorthStar)