

# **Israeli school programme series**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## Visit Atlas Visitor Centre

### Summary

Contribution ID: 1

Type: **not specified**

## **Introduction to Accelerators**

**Presenter:** Dr GILARDONI, Simone (CERN)

Contribution ID: 2

Type: **not specified**

## Visit ATLAS

Contribution ID: 3

Type: **not specified**

# Medical Applications of Particle Physics

## Summary

**Presenter:** DOSANJH, Manjit (CERN)

Contribution ID: 4

Type: **not specified**

## **Introduction to Accelerators**

**Presenter:** Dr GILARDONI, Simone (CERN)

Contribution ID: 5

Type: **not specified**

## Searches for New Things

### Summary

**Presenter:** BARAK, Liron (CERN)

Contribution ID: 6

Type: **not specified**

## Particle Detection

*Monday, 8 April 2019 15:30 (1h 30m)*

### Summary

Contribution ID: 7

Type: **not specified**

# Visit Data Centre

Contribution ID: 8

Type: **not specified**

## Visit Microcosm

Contribution ID: 9

Type: **not specified**

## Visit CCC

**Presenter:** STORR, Mick (University of Birmingham (GB))

Contribution ID: **10**

Type: **not specified**

# Medical Applications of Particle Physics

## Summary

**Presenter:** DOSANJH, Manjit (CERN)

Contribution ID: **11**

Type: **not specified**

## **Visit ATLAS underground/review**

Group 2 ATLAS, group 1 review

Contribution ID: 12

Type: **not specified**

## Geneva Treasure Hunt

Contribution ID: 13

Type: **not specified**

## **Introduction to Accelerators**

**Presenter:** Dr GILARDONI, Simone (CERN)

Contribution ID: 14

Type: **not specified**

## Particle Physics

Contribution ID: 15

Type: **not specified**

## **ATLAS Experiment**

**Presenter:** BARAK, Liron (CERN)

Contribution ID: **16**

Type: **not specified**

## **Depart Airport**

Contribution ID: 17

Type: **not specified**

## Visit SM-18

Contribution ID: **18**

Type: **not specified**

## Welcome

**Presenter:** STORR, Mick (University of Birmingham (GB))

Contribution ID: **19**

Type: **not specified**

## **Arrive airport**

### **Summary**

Contribution ID: **20**

Type: **not specified**

## **Visit SC**

**Presenter:** KUBELSKYI, Oleksandr

Contribution ID: 21

Type: **not specified**

## Introduction to CERN

*Monday, 8 April 2019 09:00 (1h 30m)*

### Summary

**Presenter:** STORR, Mick (University of Birmingham (GB))

Contribution ID: 22

Type: **not specified**

## Visit Globe

Contribution ID: 23

Type: **not specified**

## Visit Computer Centre

**Presenter:** STORR, Mick (University of Birmingham (GB))

Contribution ID: 24

Type: **not specified**

## Visit LEIR

Contribution ID: 25

Type: **not specified**

## **Particle Physics through the eyes of a theorist**

### **Summary**

**Presenter:** KATS, Yevgeny (CERN)

Contribution ID: 26

Type: **not specified**

## **Discover Geneva Treasure Hunt**

### **Summary**

Contribution ID: 27

Type: **not specified**

# Cosmology

**Presenter:** LELLOUCH, Daniel (Weizmann Institute of Science (IL))

Contribution ID: 28

Type: **not specified**

## Supersymmetry

**Presenter:** GOZANI, Eitan (Israel Institute of Technology (IL))

Contribution ID: 29

Type: **not specified**

## Search for Dark Matter

**Presenter:** LELLOUCH, Daniel (Weizmann Institute of Science (IL))

Contribution ID: **30**

Type: **not specified**

## **Visit anti-matter factory**

**Presenter:** SARID, Elazar (At.En. Comm., Nucl. Res. Cen. Negev (IL))

Contribution ID: **31**

Type: **not specified**

## **Israel@CERN and the ATLAS experiment**

**Presenter:** MIKENBERG, George (Weizmann Institute of Science (IL))

Contribution ID: **32**

Type: **not specified**

## **Visit ATLAS**

Contribution ID: 33

Type: **not specified**

## Visit Antimatter Factory

Contribution ID: 34

Type: **not specified**

## Visit Anti-matter Factory

Contribution ID: 35

Type: **not specified**

## Review

Contribution ID: 36

Type: **not specified**

## Where the Web was Born

**Presenter:** STORR, Mick (University of Birmingham (GB))

Contribution ID: 37

Type: **not specified**

# Introduction to Cosmology

**Presenter:** LELLOUCH, Daniel (Weizmann Institute of Science (IL))

Contribution ID: **38**

Type: **not specified**

## Visit Globe

Contribution ID: 39

Type: **not specified**

# Gravitational Waves: a World-Shaking Discovery

**Presenter:** ELLIS, Jonathan R.

Contribution ID: 40

Type: **not specified**

## **Visit Super Conducting Magnet Test Facility**

Contribution ID: **41**

Type: **not specified**

## Visit AMS

Contribution ID: 42

Type: **not specified**

**Q/A**

Contribution ID: 43

Type: **not specified**

## Review

Contribution ID: 44

Type: **not specified**

## Introduction to CMS

**Presenter:** Dr TRACZYK, Piotr (Universita e INFN, Roma I (IT))

Contribution ID: 45

Type: **not specified**

## **Visit AMS and CCC**

Contribution ID: 46

Type: **not specified**

## Introduction to CMS

**Presenter:** Dr TRACZYK, Piotr (Universita e INFN, Roma I (IT))

Contribution ID: 47

Type: **not specified**

## **Visit Globe and Microcosm**

### **Summary**

Contribution ID: 48

Type: **not specified**

## **Introduction to Accelerators**

### **Summary**

**Presenter:** Dr GILARDONI, Simone (CERN)

Contribution ID: 49

Type: **not specified**

## Review

**Presenter:** STORR, Mick (University of Birmingham (GB))

Contribution ID: 50

Type: **not specified**

## **Israel@CERN and Introduction to ATLAS**

**Presenter:** MIKENBERG, George (Weizmann Institute of Science (IL))

Contribution ID: 51

Type: **not specified**

## Particle Detection

### Summary

Contribution ID: 52

Type: **not specified**

## Review

Contribution ID: 53

Type: **not specified**

## **G1 Visit ATLAS**

**Presenter:** MIKENBERG, George (Weizmann Institute of Science (IL))

Contribution ID: 54

Type: **not specified**

## **Visit Globe and Microcosm**

Contribution ID: 55

Type: **not specified**

## Visit Anti-matter Factory

Contribution ID: 56

Type: **not specified**

## Visit CCC and AMS

Contribution ID: 57

Type: **not specified**

## Search for new things

**Presenter:** BARAK, Liron (CERN)

Contribution ID: 58

Type: **not specified**

## Searching for non-conventional final states

### Summary

**Presenter:** KOPELIANSKY, Revital (Indiana University (US))

Contribution ID: 59

Type: **not specified**

## **G2 Visit ATLAS**

### **Summary**

**Presenter:** MIKENBERG, George (Weizmann Institute of Science (IL))

Contribution ID: **60**

Type: **not specified**

## **Medical Applications of Particle Physics**

### **Summary**

**Presenter:** DOSANJH, Manjit (CERN)

Contribution ID: **61**

Type: **not specified**

# Introduction to Cosmology

**Presenter:** PEREZ, Gilad (CERN & Weizmann)

Contribution ID: **62**

Type: **not specified**

## **Visit ATLAS Group 2**

Contribution ID: **63**

Type: **not specified**

## Visit SC

Contribution ID: **64**

Type: **not specified**

## Visit SC

Contribution ID: 65

Type: **not specified**

## Leave for airport

Contribution ID: **66**

Type: **not specified**

## **Programme review and close**

Contribution ID: 67

Type: **not specified**

## **Address by the Vice President of CERN Council**

### **Summary**

**Presenter:** RABINOVICI, Eliezer (The Hebrew University of Jerusalem (IL))

Contribution ID: **68**

Type: **not specified**

# Visit ATLAS

Contribution ID: **69**

Type: **not specified**

## **Visit ATLAS Group 3**

Contribution ID: 70

Type: **not specified**

## Visit Microcosm

Contribution ID: 71

Type: **not specified**

## **G3 Visit ATLAS**

### **Summary**

**Presenter:** MIKENBERG, George (Weizmann Institute of Science (IL))

Contribution ID: 72

Type: **not specified**

## Beyond the Standard Model

**Presenter:** DUCHOVNI, Ehud (Weizmann Institute of Science (IL))

Contribution ID: 73

Type: **not specified**

## Visit LEIR

Contribution ID: 74

Type: **not specified**

## Introduction to Anti-matter

### Summary

**Presenter:** SARID, Elazar (At.En. Comm., Nucl. Res. Cen. Negev (IL))

Contribution ID: 75

Type: **not specified**

# Visits

Contribution ID: 76

Type: **not specified**

# Principles of Particle Detection

**Presenter:** BRESSLER, Shikma (Weizmann Institute of Science (IL))

Contribution ID: 77

Type: **not specified**

## Searching for non-conventional final states

### Summary

**Presenter:** TAREM, Shlomit (Technion (IL))

Contribution ID: 78

Type: **not specified**

## Visit SC

Contribution ID: 79

Type: **not specified**

## Search for new physics

### Summary

**Presenter:** BARAK, Liron (University of Tel Aviv)

Contribution ID: **80**

Type: **not specified**

## **Check-in hotel**

Contribution ID: **81**

Type: **not specified**

## **Depart to airport**

### **Summary**

Contribution ID: **82**

Type: **not specified**

## **Visit Microcosm Exhibition**

Contribution ID: **83**

Type: **not specified**

## **Medical Applications of Particle Physics**

**Presenter:** DOSANJH, Manjit (CERN)

Contribution ID: **84**

Type: **not specified**

## Q/A

### Summary

**Presenters:** KATS, Yevgeny (CERN); KORATZINOS, m (Universite de Geneve (CH))

Contribution ID: 85

Type: **not specified**

## **The ATLAS experiment and Israel@CERN**

**Presenter:** MIKENBERG, George (Weizmann Institute of Science (IL))

Contribution ID: **86**

Type: **not specified**

## **The ATLAS small wheel project**

**Presenter:** BENHAMMOU, Yan (Tel Aviv University (IL))

Contribution ID: 87

Type: **not specified**

## Visit Microcosm

Contribution ID: **88**

Type: **not specified**

## **Visit ATLAS**

Contribution ID: 89

Type: **not specified**

## **Unified theories successes, challenges and magic**

### **Summary**

**Presenter:** RABINOVICI, Eliezer (The Hebrew University of Jerusalem (IL))

Contribution ID: **90**

Type: **not specified**

## Review

### Summary

**Presenter:** STORR, Mick (University of Birmingham (GB))

Contribution ID: **91**

Type: **not specified**

# Cosmology

## Summary

**Presenter:** BLUM, Kfir (CERN)

Contribution ID: 92

Type: **not specified**

## Particle Physics

**Presenter:** KOREN, Guy (Tel Aviv University (IL))

Contribution ID: 93

Type: **not specified**

## The need for new theories

### Summary

**Presenter:** RABINOVICI, Eliezer (The Hebrew University of Jerusalem (IL))

Contribution ID: 94

Type: **not specified**

## **Higgs and surprises beyond the standard model**

### **Summary**

**Presenter:** BARAK, Liron (CERN)

Contribution ID: 95

Type: **not specified**

## **Visit CMS, AMS, CCC**

Contribution ID: **96**

Type: **not specified**

## **Transport to Hotel and CERN**

Contribution ID: 97

Type: **not specified**

## Treasure Hunt

*Sunday, 7 April 2019 14:30 (4 hours)*

Contribution ID: **98**

Type: **not specified**

## **Dinner at CERN**

Contribution ID: 99

Type: **not specified**

# Introduction to Particle Physics

## Summary

**Presenter:** SOREQ, Yotam (CERN)

Contribution ID: **100**

Type: **not specified**

## Particle Detection

Contribution ID: **101**

Type: **not specified**

## **Visit ATLAS**

**Presenters:** MIKENBERG, George (Weizmann Institute of Science (IL)); STORR, Mick (University of Birmingham (GB))

Contribution ID: **102**

Type: **not specified**

## **Heavy ions at LHC: Little Big Bang**

### **Summary**

**Presenter:** BALEK, Petr (Weizmann Institute of Science (IL))

Contribution ID: **103**

Type: **not specified**

## **Introduction to CMS**

**Presenter:** Dr TRACZYK, Piotr (Universita e INFN, Roma I (IT))

Contribution ID: **104**

Type: **not specified**

## **Searching for non-conventional final states**

**Presenter:** TAREM, Shlomit (Technion (IL))

Contribution ID: **105**

Type: **not specified**

## **Visit LEIR and AD**

Contribution ID: **106**

Type: **not specified**

## **Visit ATLAS**

**Presenters:** SHAKED RENOUS, Dan (Weizmann Institute of Science (IL)); MIKENBERG, George (Weizmann Institute of Science (IL))

Contribution ID: **107**

Type: **not specified**

## Visit SC

Contribution ID: **108**

Type: **not specified**

## **Medical Applications of Particle Physics**

### **Summary**

**Author:** DOSANJH, Manjit (CERN)

**Presenters:** DOSANJH, Manjit (CERN); STORR, Mick (University of Birmingham (GB))

Contribution ID: **109**

Type: **not specified**

## **Visit Anti-matter Factory**

Contribution ID: **110**

Type: **not specified**

## **Visit SC**

Contribution ID: 111

Type: **not specified**

## **Particle physics and Israel@CERN**

### **Summary**

**Presenter:** MIKENBERG, George (Weizmann Institute of Science (IL))

Contribution ID: **112**

Type: **not specified**

## **Visit LEIR**

Contribution ID: **113**

Type: **not specified**

## **Visit Microcosm**

Contribution ID: **114**

Type: **not specified**

## Particle detection

Contribution ID: **115**

Type: **not specified**

## Review

Contribution ID: **116**

Type: **not specified**

## **Visit Microcosm**

Contribution ID: **117**

Type: **not specified**

## **Visit Tile Calorimeter Lab**

Contribution ID: **118**

Type: **not specified**

## **Visit Tile Calorimeter Lab**

### **Summary**

**Presenter:** BENHAMMOU, Yan (Tel Aviv University (IL))

Contribution ID: **119**

Type: **not specified**

## **Introduction to particle physics**

*Tuesday, 9 April 2019 09:00 (1h 30m)*

**Presenter:** SHAKED RENOUS, Dan (Weizmann Institute of Science (IL))

Contribution ID: **120**

Type: **not specified**

## Visit Globe

*Monday, 8 April 2019 15:30 (1h 30m)*

Contribution ID: **121**

Type: **not specified**

## **Visit CMS, CCC, AMS**

Contribution ID: 122

Type: **not specified**

# Introduction to Particle Physics

**Presenter:** SHAKED RENOUS, Dan (Weizmann Institute of Science (IL))

Contribution ID: **123**

Type: **not specified**

## **Visit Microcsm**

Contribution ID: 124

Type: **not specified**

## Particle Detection

### Summary

**Presenter:** STORR, Mick (University of Birmingham (GB))

Contribution ID: 125

Type: **not specified**

## Visit AD

Contribution ID: 126

Type: **not specified**

# Visit CC

Contribution ID: 127

Type: **not specified**

## Visit Micrcosm

Contribution ID: 128

Type: **not specified**

## Introduction to Accelerators

*Wednesday, 10 April 2019 09:00 (1h 30m)*

**Presenter:** Dr GILARDONI, Simone (CERN)

Contribution ID: **129**

Type: **not specified**

## **Introduction to Cosmology**

*Monday, 8 April 2019 11:00 (1 hour)*

**Presenter:** BLUM, Kfir (CERN)

Contribution ID: **130**

Type: **not specified**

# Theoretical Particle Physics

*Tuesday, 9 April 2019 11:00 (1h 30m)*

## Summary

**Presenter:** SOREQ, Yotam (CERN)

Contribution ID: 131

Type: **not specified**

## Visit ATLAS Small Wheel Lab

### Summary

**Presenter:** BENHAMMOU, Yan (Tel Aviv University (IL))

Contribution ID: 132

Type: **not specified**

## Review

### Summary

Contribution ID: 133

Type: **not specified**

## Visit Microcosm

Contribution ID: **134**

Type: **not specified**

## **Arrive at airport**

Contribution ID: 135

Type: **not specified**

## **Transfer to hotel**

Contribution ID: 136

Type: **not specified**

## Visit Anti-Matter Factory

Contribution ID: 137

Type: **not specified**

## Visit Computer Centre

Contribution ID: **138**

Type: **not specified**

# Visit UN

Contribution ID: **139**

Type: **not specified**

## **Depart**

*Thursday, 11 April 2019 08:00 (1 hour)*

Contribution ID: **140**

Type: **not specified**

## Particle Detection

Contribution ID: **141**

Type: **not specified**

## **Visit CMS**

*Tuesday, 9 April 2019 16:30 (2h 30m)*

Contribution ID: 142

Type: **not specified**

## Medical Applications of Particle Physics

*Wednesday, 10 April 2019 11:00 (1h 30m)*

### Summary

**Presenter:** DOSANJH, Manjit (CERN)

Contribution ID: **143**

Type: **not specified**

## **Visit ATLAS**

*Monday, 8 April 2019 14:00 (1 hour)*

Contribution ID: **144**

Type: **not specified**

## Particle Detection

*Tuesday, 9 April 2019 14:00 (2 hours)*

Contribution ID: 145

Type: **not specified**

## Visit Microcosm

*Tuesday, 9 April 2019 15:00 (1 hour)*

Contribution ID: **146**

Type: **not specified**

## Particle Detection

Contribution ID: **147**

Type: **not specified**

## **Visit Microcosm**

Contribution ID: **148**

Type: **not specified**

## Welcome

*Sunday, 7 April 2019 10:30 (30 minutes)*

**Presenter:** STORR, Mick (University of Birmingham (GB))

Contribution ID: **149**

Type: **not specified**

## **Visit Synchrocyclotron**

*Wednesday, 10 April 2019 15:00 (1 hour)*

**Presenter:** STORR, Mick (University of Birmingham (GB))

Contribution ID: **150**

Type: **not specified**

## Visit Globe

*Tuesday, 9 April 2019 14:00 (1 hour)*

Contribution ID: **151**

Type: **not specified**

## **Israel@CERN and ATLAS**

*Sunday, 7 April 2019 13:00 (1h 30m)*

**Presenter:** MIKENBERG, George (Weizmann Institute of Science (IL))

Contribution ID: **152**

Type: **not specified**

## Find the Higgs

*Wednesday, 10 April 2019 14:00 (1 hour)*

**Presenter:** Dr TRACZYK, Piotr (Universita e INFN, Roma I (IT))