

LHCb Quantum Computing Workshop

Report of Contributions

Contribution ID: 1

Type: **not specified**

Introduction to Quantum Computing I

Tuesday 1 July 2025 09:10 (50 minutes)

Presenter: ABDELMOTTELEB, Ahmed (University of Warwick (GB))

Contribution ID: 2

Type: **not specified**

Introduction to Quantum Computing II

Tuesday 1 July 2025 10:30 (1 hour)

Presenter: ABDELMOTTELEB, Ahmed (University of Warwick (GB))

Contribution ID: 3

Type: **not specified**

University of Warwick Research (with Fujitsu)

Tuesday 1 July 2025 11:30 (30 minutes)

Presenter: DEVEREUX, Ellen (University of Warwick)

Contribution ID: 4

Type: **not specified**

Hands-on Session

Presenters: ABDELMOTTELEB, Ahmed (University of Warwick (GB)); DE VRIES, Jacco Andreas (Nikhef National institute for subatomic physics (NL)); CHIOTOPOULOS, Xenofon (Nikhef National institute for subatomic physics (NL))

Contribution ID: 5

Type: **not specified**

CERN Quantum Technology Initiative

Wednesday 2 July 2025 12:00 (30 minutes)

Presenter: Dr GROSSI, Michele (CERN)

Contribution ID: 6

Type: **not specified**

LHCb Quantum Computing Research I

Wednesday 2 July 2025 09:00 (30 minutes)

Presenters: DE VRIES, Jacco Andreas (Nikhef National institute for subatomic physics (NL)); CHIOTOPOULOS, Xenofon (Nikhef National institute for subatomic physics (NL))

Contribution ID: 7

Type: **not specified**

LHCb Quantum Computing Research II

Wednesday 2 July 2025 09:30 (30 minutes)

University of Padua

Presenter: ZULIANI, Davide (Universita e INFN, Padova (IT))

Contribution ID: 8

Type: **not specified**

LHCb Quantum Computing Research III

Wednesday 2 July 2025 10:00 (30 minutes)

Presenter: LUCIO MARTINEZ, Miriam (Univ. of Valencia and CSIC (ES))

Contribution ID: 9

Type: **not specified**

Industry Talk II (Quantum Brilliance)

Wednesday 2 July 2025 11:30 (30 minutes)

Presenter: PRESTEL, Stefan (Quantum Brilliance)

Contribution ID: **10**

Type: **not specified**

Hands-on Session

Presenters: ABDELMOTTELEB, Ahmed (University of Warwick (GB)); DE VRIES, Jacco Andreas (Nikhef National institute for subatomic physics (NL)); CHIOTOPOULOS, Xenofon (Nikhef National institute for subatomic physics (NL))

Contribution ID: 11

Type: **not specified**

Closing Remarks and Conclusion

Wednesday 2 July 2025 16:45 (15 minutes)

Presenter: ABDELMOTTELEB, Ahmed (University of Warwick (GB))

Contribution ID: 12

Type: **not specified**

Social Event

Contribution ID: 13

Type: **not specified**

Welcome and Introduction

Tuesday 1 July 2025 09:00 (10 minutes)

Presenter: Dr SKIDMORE, Nicole (University of Warwick)

Contribution ID: 14

Type: **not specified**

Industry Talk I (Quantinuum)

Wednesday 2 July 2025 11:00 (30 minutes)

Quantum computing in HEP: a perspective from Quantinuum

Presenter: RINALDI, Enrico (Quantinuum)