

Quantum computing for HEP and GW - Nikhef QuSoft workshop

Report of Contributions

Contribution ID: 1

Type: **not specified**

Introduction to the challenges of subatomic physics in HEP and GW

Tuesday, 14 September 2021 10:30 (30 minutes)

Presenter: GROEP, David (Nikhef)

Session Classification: Session 1 “exploring the phase space”

Contribution ID: 2

Type: **not specified**

Introduction to quantum computing

Tuesday, 14 September 2021 11:00 (45 minutes)

Presenter: HELSEN, Jonas (QuSoft, CWI)

Session Classification: Session 1 “exploring the phase space”

Contribution ID: 3

Type: **not specified**

Use case: the case from LHCb and tracking - followed by discussion

Tuesday, 14 September 2021 12:00 (45 minutes)

Presenters: CAMPORA, Daniel; DE VRIES, Jacco

Session Classification: Session 1 “exploring the phase space”

Contribution ID: 4

Type: **not specified**

Quantum algorithms - state of the art

Tuesday, 14 September 2021 14:00 (45 minutes)

Presenter: DE WOLF, Ronald (QuSoft, CWI and UvA)

Session Classification: Session 2 “algorithm state of the art and a focus use case”

Contribution ID: 5

Type: **not specified**

Use case: gravitational waves template matching

Tuesday, 14 September 2021 14:45 (45 minutes)

Presenter: KOEKOEK, Gideon (Maastricht University)

Session Classification: Session 2 “algorithm state of the art and a focus use case”