

TRIUMF Quantum Workshop

Report of Contributions

Contribution ID: 2

Type: **not specified**

Introduction

Monday, 11 March 2024 09:15 (15 minutes)

Presenter: NAVRATIL, Petr (TRIUMF)

Session Classification: Overview

Contribution ID: 3

Type: **not specified**

Canada's National Quantum Strategy

Monday, 11 March 2024 09:30 (30 minutes)

Presenter: ROSENBLATT, Michael (Innovation, Science and Economic Development Canada)

Session Classification: Overview

Contribution ID: 4

Type: **not specified**

Quantum science and precision physics centre

Monday, 11 March 2024 10:00 (15 minutes)

Presenter: MALBRUNOT, Chloé (TRIUMF)

Session Classification: Overview

Contribution ID: 5

Type: **not specified**

AI Centre

Monday, 11 March 2024 10:15 (10 minutes)

Presenter: FEDORKO, Wojciech (TRIUMF)

Session Classification: Overview

Contribution ID: 6

Type: **not specified**

Detector Centre

Monday, 11 March 2024 10:25 (15 minutes)

Presenter: RETIERE, Fabrice (TRIUMF)

Session Classification: Overview

Contribution ID: 7

Type: **not specified**

Quantum science centres across Canada and around the world

Monday, 11 March 2024 11:00 (15 minutes)

Presenter: MCKENZIE, Iain (TRIUMF)

Session Classification: Fundamental science

Contribution ID: 8

Type: **not specified**

The BeEST and SALER - Experiments with rare isotopes in quantum sensors

Monday, 11 March 2024 12:15 (15 minutes)

Presenter: RUIZ, Chris (TRIUMF)

Session Classification: Fundamental science

Contribution ID: 9

Type: **not specified**

Quantum sensing applications in particle physics

Monday, 11 March 2024 11:30 (15 minutes)

Presenter: GIAMPA, Pietro (TRIUMF)

Session Classification: Fundamental science

Contribution ID: **10**

Type: **not specified**

Quantum computing applications

Monday, 11 March 2024 11:45 (15 minutes)

Presenter: FEDORKO, Wojciech (TRIUMF)

Session Classification: Fundamental science

Contribution ID: 11

Type: **not specified**

Towards quantum sensing with (anti)hydrogen: HAICU at TRIUMF and ALPHA at CERN

Monday, 11 March 2024 12:30 (15 minutes)

Presenter: CAPRA, Andrea (TRIUMF)

Session Classification: Fundamental science

Contribution ID: 12

Type: **not specified**

Very precise quantum sensing to search for the electric dipole moment of the neutron

Monday, 11 March 2024 12:45 (15 minutes)

Presenter: PICKER, Ruediger (TRIUMF)

Session Classification: Fundamental science

Contribution ID: 13

Type: **not specified**

Quantum sensing in fundamental physics

Monday, 11 March 2024 11:15 (15 minutes)

Presenter: FUJIWARA, Makoto (TRIUMF)

Session Classification: Fundamental science

Contribution ID: 14

Type: **not specified**

TRINAT+CIPI -> Phys Rev A quantum optics publication: a qautionary tale

Monday, 11 March 2024 13:45 (15 minutes)

Presenter: BEHR, John (TRIUMF)

Session Classification: Fundamental science

Contribution ID: 15

Type: **not specified**

Quantum control of radioactive molecules to probe physics beyond the Standard Model

Monday, 11 March 2024 14:00 (15 minutes)

Presenter: NG, Kia Boon (TRIUMF)

Session Classification: Fundamental science

Contribution ID: 16

Type: **not specified**

Quantum opportunities with single photon detector

Monday, 11 March 2024 14:30 (15 minutes)

Presenter: LEWIS, Harry (TRIUMF)

Session Classification: Use inspired science

Contribution ID: 17

Type: **not specified**

μ SR and β -NMR as quantum sensors

Monday, 11 March 2024 14:45 (10 minutes)

Presenter: MCKENZIE, Iain (TRIUMF)

Session Classification: Use inspired science

Contribution ID: **18**

Type: **not specified**

Quantum materials

Monday, 11 March 2024 14:55 (10 minutes)

Presenter: KOJIMA, Kenji (TRUIMF)

Session Classification: Use inspired science

Contribution ID: 19

Type: **not specified**

Beta-NMR quantum annealing connection

Monday, 11 March 2024 15:05 (10 minutes)

Presenter: KREITZMAN, Sydney (TRIUMF)

Session Classification: Use inspired science

Contribution ID: **20**

Type: **not specified**

TRIUMF THz project

Monday, 11 March 2024 15:30 (15 minutes)

Presenter: VERZILOV, Victor (TRIUMF)

Session Classification: Use inspired science

Contribution ID: 21

Type: **not specified**

Quantum applications of laser ion source, polarized beams, and collinear fast beam laser spectroscopy (remote from South Korea 12/2/2024 07:45)

Monday, 11 March 2024 15:45 (15 minutes)

Presenter: LASSEN, Jens (TRIUMF Canada's particle accelerator centre)

Session Classification: Use inspired science

Contribution ID: 22

Type: **not specified**

Discussion - training of HQP in quantum-related fields and future directions

Monday, 11 March 2024 16:00 (40 minutes)

Contribution ID: 24

Type: **not specified**

Summary

Monday, 11 March 2024 16:40 (20 minutes)