

ACOT Poster Session - October 2022



Report of Contributions

Contribution ID: 17

Type: **not specified**

Studying the Emission of Light from Single Photon Avalanche Diodes using LASERs

Presenter: RAYMOND, Kurtis (TRIUMF/SFU)

Session Classification: Science Technology

Contribution ID: 19

Type: **not specified**

Exploring the limits of existence of heavy neutron-deficient nuclei in the $Z=70-82$ region

Tuesday, 25 October 2022 11:00 (1 hour)

Presenter: LYKIARDOPOULOU , Marilena

Session Classification: Nuclear Physics

Contribution ID: 20

Type: **not specified**

Study of cross-shell excitations in ^{28}Mg and ^{32}Si using Doppler shift methods

Tuesday, 25 October 2022 11:00 (1 hour)

Presenter: WILLIAMS, Jonathan

Session Classification: Nuclear Physics

Contribution ID: 21

Type: **not specified**

Beta-decay of ^{68}Mn : Probing the N=40 Island of Inversion

Tuesday, 25 October 2022 11:00 (1 hour)

Presenter: UMASHANKAR, Rashmi (TRIUMF)

Session Classification: Nuclear Physics

Contribution ID: 22

Type: **not specified**

EMMA: The Electromagnetic Mass Analyser

Tuesday, 25 October 2022 11:00 (1 hour)

Presenter: ANGUS, Cameron

Session Classification: Nuclear Physics

Contribution ID: 23

Type: **not specified**

Studying the evolution of the metallic state of LaNiO₃ from a single crystal to superlattices using ⁸Li b-detected NMR

Tuesday, 25 October 2022 11:00 (1 hour)

Presenter: KARNER, Victoria

Session Classification: Molecular and Materials Science

Contribution ID: 24

Type: **not specified**

Upgrading the ATLAS detector at the LHC: New Small Wheels

Tuesday, 25 October 2022 11:00 (1 hour)

Presenter: MCCRACKEN, Callum

Session Classification: Particle Physics, Science Technology, & Scientific Computing

Contribution ID: 25

Type: **not specified**

Machine Learning for Hyper-Kamiokande's Water-Cherenkov Detectors

Tuesday, 25 October 2022 11:00 (1 hour)

Presenter: PROUSE, Nick (TRIUMF)

Session Classification: Particle Physics, Science Technology, & Scientific Computing

Contribution ID: 26

Type: **not specified**

The TRIUMF UltraCold Advanced Neutron source and electric dipole moment experiment

Tuesday, 25 October 2022 11:00 (1 hour)

Presenter: SCHREYER, Wolfgang (TRIUMF)

Session Classification: Particle Physics, Science Technology, & Scientific Computing

Contribution ID: 27

Type: **not specified**

Projected Sensitivities for Future Upgrade Scenarios of SuperCDMS SNOLAB

Tuesday, 25 October 2022 11:00 (1 hour)

Presenter: FASCIONE, Eleanor (TRIUMF/Queen's University)

Session Classification: Particle Physics, Science Technology, & Scientific Computing

Contribution ID: 28

Type: **not specified**

Towards Reliable Nuclear Matrix Elements for Neutrinoless Double Beta Decay with Ab initio Nuclear Theory

Tuesday, 25 October 2022 11:00 (1 hour)

Presenter: BELLEY, Antoine (TRIUMF/UBC)

Session Classification: Theory

Contribution ID: 29

Type: **not specified**

Nuclear Observables as Probes of Neutrinoless Double-Beta Decay

Tuesday, 25 October 2022 11:00 (1 hour)

Presenter: JOKINIEMI, Lotta (TRIUMF)

Session Classification: Theory

Contribution ID: 30

Type: **not specified**

Ubiquitous Spin Freezing in the Superconducting State of UTe₂

Tuesday, 25 October 2022 11:00 (1 hour)

Presenter: AZARI, Nasrin

Session Classification: Molecular and Materials Science

Contribution ID: 32

Type: **not specified**

Triaza-18-crown-6 chelators for theranostic application: TRIPA, TRIHOPO and TRIAMIDE

Tuesday, 25 October 2022 11:00 (1 hour)

Presenter: FIACCABRINO, Desiree

Session Classification: Life Sciences

Contribution ID: 33

Type: **not specified**

Improving the chemical purity and specific activity of the $^{203}\text{Pb}/^{212}\text{Pb}$ theranostic pair

Tuesday, 25 October 2022 11:00 (1 hour)

Presenter: MCNEIL, Brooke (TRIUMF)

Session Classification: Life Sciences

Contribution ID: 34

Type: **not specified**

Improved isotope intensity and purity from a new spallation-driven proton-to-neutron converter target at ISAC

Tuesday, 25 October 2022 11:00 (1 hour)

Presenter: EGORITI, Luca (TRIUMF)

Session Classification: Accelerator Sciences

Contribution ID: 35

Type: **not specified**

Electron cyclotron resonance ion source charge breeder studies for performance optimization

Tuesday, 25 October 2022 11:00 (1 hour)

Presenter: ADEGUN, Joseph

Session Classification: Accelerator Sciences

Contribution ID: 36

Type: **not specified**

A Prototype Compact Accelerator Driven Neutron Source for Canada Supporting Medical and Scientific Applications

Tuesday, 25 October 2022 11:00 (1 hour)

Presenter: MAHARAJ, Dalini (TRIUMF)

Session Classification: Accelerator Sciences

Contribution ID: 37

Type: **not specified**

A Temperature Mapping System for Coaxial Superconducting Radio Frequency Resonators

Tuesday, 25 October 2022 11:00 (1 hour)

Presenter: FEARN, Lauren

Session Classification: Accelerator Sciences

Contribution ID: 38

Type: **not specified**

Dust Migration and Suppression of Field Emission in SRF Cavities

Tuesday, 25 October 2022 11:00 (1 hour)

Presenter: MAHON, Aveen

Session Classification: Accelerator Sciences