

# **ACOT Poster Session**



## **Report of Contributions**

Contribution ID: 7

Type: **not specified**

# Charging Mechanisms and Orbital Dynamics of Charged Dust Grains in Particle Accelerators

*Friday, 23 April 2021 12:00 (1 hour)*

**Presenter:** BÉLANGER, Philippe (TRIUMF)

**Session Classification:** ACOT Poster Session

Contribution ID: 8

Type: **not specified**

## **Increased penetration of the Coulomb Barrier in a strong Electromagnetic Field**

*Friday, 23 April 2021 12:00 (1 hour)*

**Presenters:** RETTICH, Emily; BRANION-CALLES, Mateo

**Session Classification:** ACOT Poster Session

Contribution ID: 9

Type: **not specified**

## **Sub-GeV Dark Vector Bosons and their Cosmological Constraints**

*Friday, 23 April 2021 12:00 (1 hour)*

**Primary author:** COFFEY, John (UVictoria/TRIUMF)

**Presenter:** COFFEY, John (UVictoria/TRIUMF)

**Session Classification:** ACOT Poster Session

Contribution ID: 10

Type: **not specified**

## **Charge-neutral muon states in Cr<sub>2</sub>O<sub>3</sub> and Fe<sub>2</sub>O<sub>3</sub>: investigating hydrogen impurities in transition metal oxides**

*Friday, 23 April 2021 12:00 (1 hour)*

**Presenter:** DEHN, Martin (TRIUMF)

**Session Classification:** ACOT Poster Session

Contribution ID: 11

Type: **not specified**

# Measurements of Gluon Fusion and Vector Boson Fusion Production of the Higgs Boson in $\mu^+\mu^- \rightarrow \mu^+\mu^* \rightarrow \mu^+\mu^-\mu^+\mu^-$ Decays with the ATLAS Detector

*Friday, 23 April 2021 12:00 (1 hour)*

**Presenter:** HAYES, Robin (UBC/TRIUMF)

**Session Classification:** ACOT Poster Session

Contribution ID: 12

Type: **not specified**

## **Precision Mass Measurements of Radioactive Isotopes with the TITAN MR-ToF-MS**

*Friday, 23 April 2021 12:00 (1 hour)*

**Presenter:** JACOBS, Andrew (TRIUMF)

**Session Classification:** ACOT Poster Session

Contribution ID: 13

Type: **not specified**

## **Cellular Dosimetry from the $^{225}\text{Ac}$ Decay Chain with GATE Monte Carlo Simulations**

*Friday, 23 April 2021 12:00 (1 hour)*

**Presenter:** KONIAR, Helena (TRIUMF)

**Session Classification:** ACOT Poster Session



Contribution ID: 14

Type: **not specified**

## **Measuring the Bound-State Beta-decay Rate of Thallium-205**

*Friday, 23 April 2021 12:00 (1 hour)*

**Presenter:** LECKENBY, Guy (TRIUMF)

**Session Classification:** ACOT Poster Session

Contribution ID: 15

Type: **not specified**

## **3rd Order Nonlinear Susceptibility Calculations of Kr for Lyman- $\alpha$ Laser**

*Friday, 23 April 2021 12:00 (1 hour)*

**Presenter:** LIANG, Kaitlyn (TRIUMF)

**Session Classification:** ACOT Poster Session

Contribution ID: 16

Type: **not specified**

## **Design of Target-Moderator-Reflector for a Compact Accelerator-Based Neutron Source for Canada**

*Friday, 23 April 2021 12:00 (1 hour)*

**Presenter:** MAHARAJ, Dalini (TRIUMF)

**Session Classification:** ACOT Poster Session

Contribution ID: 17

Type: **not specified**

## **Radioactive Ion Beam Production with a FEBIAD ion source**

*Friday, 23 April 2021 12:00 (1 hour)*

**Presenter:** MALDONADO MILAN, Fernando (TRIUMF)

**Session Classification:** ACOT Poster Session

Contribution ID: 18

Type: **not specified**

## **Dark Noise Photon Emission in Silicon Photomultipliers**

*Friday, 23 April 2021 12:00 (1 hour)*

**Presenter:** MCLAUGHLIN, Joe (TRIUMF/Royal Holloway)

**Session Classification:** ACOT Poster Session

Contribution ID: 19

Type: **not specified**

## **Coexistence of various structures in a narrow excitation energy region in neutron-rich Mg nuclei**

*Friday, 23 April 2021 12:00 (1 hour)*

**Presenter:** NISHIBATA, Hiroki (TRIUMF/Kyushu U)

**Session Classification:** ACOT Poster Session

Contribution ID: 20

Type: **not specified**

## **Photogrammetry in Super-K and Future Water Cherenkov Neutrino Detectors**

*Friday, 23 April 2021 12:00 (1 hour)*

**Presenter:** SEKATCHEV, Michael (TRIUMF)

**Session Classification:** ACOT Poster Session

Contribution ID: 21

Type: **not specified**

## **The NA62 Experiment at CERN - Measuring the very rare $K^+ \rightarrow \pi^+ \nu \bar{\nu}$ decay**

*Friday, 23 April 2021 12:00 (1 hour)*

**Presenter:** VELGHE, Bob (TRIUMF)

**Session Classification:** ACOT Poster Session



Contribution ID: 22

Type: **not specified**

## **Beamline Tuning with Reinforcement Learning**

*Friday, 23 April 2021 12:00 (1 hour)*

**Presenter:** BAGRI, Harpriya (TRIUMF)

**Session Classification:** ACOT Poster Session