

Canadian Multi-Messenger Astrophysics Workshop

Report of Contributions

Contribution ID : 1

Type : **not specified**

Welcome address, territorial acknowledgement, code of conduct

Daryl Haggard, Thomas Brunner, Sangyong Jeon

Session Classification : Breakfast

Contribution ID : 2

Type : **not specified**

Gravitational-Wave Sources and Detection

Wednesday, 29 January 2020 09:15 (30)

Miriam Cabero Muller (UBC)

Primary author(s) : MULLER, Miriam Cabero (University of British Columbia)

Presenter(s) : MULLER, Miriam Cabero (University of British Columbia)

Session Classification : Talks

Contribution ID : 3

Type : **not specified**

Double White Dwarf Binaries as Multi-Messenger Sources

Wednesday, 29 January 2020 14:00 (20)

Katelyn Breivik (CITA)

Primary author(s) : BREIVIK, Katelyn (Canadian Institute for Theoretical Astrophysics)

Presenter(s) : BREIVIK, Katelyn (Canadian Institute for Theoretical Astrophysics)

Session Classification : Talks

Contribution ID : 4

Type : **not specified**

Multimessenger transient theory in Canada

Wednesday, 29 January 2020 09:45 (20)

Rodrigo Fernández (U of Alberta)

Primary author(s) : FERNÁNDEZ, Rodrigo (University of Alberta)

Presenter(s) : FERNÁNDEZ, Rodrigo (University of Alberta)

Session Classification : Talks

Contribution ID : 5

Type : **not specified**

Optical Imaging Follow-up of GW190814: the First Possible Black Hole - Neutron Star Merger

Wednesday, 29 January 2020 15:50 (20)

Nicholas Vieira (McGill)

Primary author(s) : VIEIRA, Nicholas (McGill University)

Presenter(s) : VIEIRA, Nicholas (McGill University)

Session Classification : Talks

Contribution ID : 6

Type : **not specified**

Hunting High-Energy Counterparts to Gravitational Wave Events

Wednesday, 29 January 2020 14:20 (20)

Aaron Tohuvavohu (U of T)

Primary author(s) : TOHUVAVOHU, Aaron (University of Toronto)

Presenter(s) : TOHUVAVOHU, Aaron (University of Toronto)

Session Classification : Talks

Contribution ID : 8

Type : **not specified**

X-ray Observations of GW170817: the First Binary Neutron Star Merger

Wednesday, 29 January 2020 14:40 (20)

Daryl Haggard (McGill)

Primary author(s) : HAGGARD, Daryl (McGill University)

Presenter(s) : HAGGARD, Daryl (McGill University)

Session Classification : Talks

Contribution ID : 9

Type : **not specified**

Canadian Radio Follow-up of Multi-Messenger Sources and High-Energy Neutrinos

Wednesday, 29 January 2020 11:30 (30)

Greg Sivakoff (U of Alberta)

Primary author(s) : SIVAKOFF, Greg (University of Alberta)

Presenter(s) : SIVAKOFF, Greg (University of Alberta)

Session Classification : Talks

Contribution ID : **10**

Type : **not specified**

Orbital Effects in Perturbations around Exotic Compact Objects

Thursday, 30 January 2020 16:00 (20)

Luís Felipe Longo-Micchi (UFABC - PI)

Primary author(s) : MICCHI, Luís Felipe Longo (UFABC - Perimeter Institute)

Presenter(s) : MICCHI, Luís Felipe Longo (UFABC - Perimeter Institute)

Session Classification : Talks

Contribution ID : 11

Type : **not specified**

Current and Future Canadian optical/infrared Opportunities for Multi-Messenger Follow-up

Wednesday, 29 January 2020 15:30 (20)

John Ruan (McGill)

Primary author(s) : RUAN, John (McGill University)

Presenter(s) : RUAN, John (McGill University)

Session Classification : Talks

Contribution ID : 12

Type : **not specified**

Probing Core-Collapse Supernova Physics in the Multi-Messenger Era

Thursday, 30 January 2020 09:00 (20)

Sarah Gossan (CITA)

Primary author(s) : GOSSAN, Sarah (Canadian Institute for Theoretical Astrophysics)

Presenter(s) : GOSSAN, Sarah (Canadian Institute for Theoretical Astrophysics)

Session Classification : Talks

Contribution ID : 13

Type : **not specified**

SuperNova Early Warning System 2.0

Thursday, 30 January 2020 09:40 (20)

Clarence Virtue (Laurentian/SNOLAB)

Primary author(s) : VIRTUE, Clarence (Laurentian University - SNOLAB)

Presenter(s) : VIRTUE, Clarence (Laurentian University - SNOLAB)

Session Classification : Talks

Contribution ID : 14

Type : **not specified**

SNO+ and Supernova Detection

Thursday, 30 January 2020 10:00 (20)

Erica Caden (SNOLAB)

Primary author(s) : CADEN, Erica (SNOLAB)

Presenter(s) : CADEN, Erica (SNOLAB)

Session Classification : Talks

Contribution ID : 15

Type : **not specified**

The P-ONE Neutrino Detector

Thursday, 30 January 2020 11:30 (20)

Carsten Krauss (U of Alberta)

Primary author(s) : KRAUSS, Carsten (University of Alberta)

Presenter(s) : KRAUSS, Carsten (University of Alberta)

Session Classification : Talks

Contribution ID : 16

Type : **not specified**

Multi-Messenger Observations with VERITAS

Thursday, 30 January 2020 14:00 (20)

Matthew Lundy (McGill)

Primary author(s) : LUNDY, Matthew (McGill)

Presenter(s) : LUNDY, Matthew (McGill)

Session Classification : Talks

Contribution ID : 17

Type : **not specified**

Supernova Neutrino Detection with nEXO

Thursday, 30 January 2020 14:40 (10)

Soud Al Kharusi (McGill)

Primary author(s) : AL KHARUSI, Soud (McGill University)

Presenter(s) : AL KHARUSI, Soud (McGill University)

Session Classification : Talks

Contribution ID : **18**

Type : **not specified**

Searching for Majorana Neutrinos with nEXO

Thursday, 30 January 2020 14:20 (20)

Thomas Brunner (McGill)

Primary author(s) : BRUNNER, Thomas

Presenter(s) : BRUNNER, Thomas

Session Classification : Talks

Contribution ID : 19

Type : **not specified**

New HALO-1kT and Future Prospects of Supernova Neutrino Flux Reconstruction

Thursday, 30 January 2020 10:50 (20)

Andrea Gallo Rosso (Laurentian)

Primary author(s) : GALLO ROSSO, Andrea (Laurentian University)

Presenter(s) : GALLO ROSSO, Andrea (Laurentian University)

Session Classification : Talks

Contribution ID : 21

Type : **not specified**

Dark matter direct/indirect detection complementarity

Thursday, 30 January 2020 16:20 (20)

Jim Cline (McGill)

Primary author(s) : CLINE, Jim (McGill)

Presenter(s) : CLINE, Jim (McGill)

Session Classification : Talks

Contribution ID : 22

Type : **not specified**

Electromagnetic Observations of Multi-Messenger Sources and r-process Nucleosynthesis

Wednesday, 29 January 2020 10:05 (30)

Maria Drout (U of T)

Primary author(s) : DROUT, Maria (University of Toronto)

Presenter(s) : DROUT, Maria (University of Toronto)

Session Classification : Talks

Contribution ID : 23

Type : **not specified**

Nucleosynthesis and Thermal Neutrinos

Wednesday, 29 January 2020 11:00 (30)

Dan Siegel (PI)

Presenter(s) : SIEGEL, Daniel (Perimeter Institute for Theoretical Physics)

Session Classification : Talks

Contribution ID : 24

Type : **not specified**

SNEWS 2.0 implementation for HALO-1kT

Thursday, 30 January 2020 11:10 (20)

Remington Hill (Laurentian)

Primary author(s) : HILL, Remington (Laurentian University)

Presenter(s) : HILL, Remington (Laurentian University)

Session Classification : Talks

Contribution ID : 25

Type : **not specified**

Neutrino and Multi-Messenger Signals

Thursday, 30 January 2020 09:20 (20)

Liliana Caballero (U of Guelph)

Presenter(s) : CABALLERO, Liliana (University of Guelph)

Session Classification : Talks