

The 48th Winter Nuclear and Particle Physics Conference

Friday, February 18

Chair C. Andreoiu

Time	Speaker	Title
18:55	C. Andreoiu	Welcome
19:00	D. Longuevergne	Superconducting Accelerators at TRIUMF: Capabilities and Future Plans
19:20	K. Starosta	Recoil-Distance Lifetime Measurements For Exotic Nuclei
19:50	A. Chester	The TIGRESS Integrated Plunger (TIP) Control System Development
20:10	J. Dilling	Gauging The Exotics: Penning Trap Experiments At TITAN
20:40	V. Simon	The TITAN Penning Trap For Cooling Highly-Charged Radioactive Ions at ISAC
21:00	D. Frekers	Double Beta Decay, Majorana Neutrinos And The Tricks Nature Can Play

21:30

Reception

Saturday, February 19

Chair R. Austin

Time	Speaker	Title
8:30	A. Garnsworthy	The Future SPICE Ancillary Detector For TIGRESS
9:00	P. deNiverville	Observing A Light Dark Matter Beam With Neutrino Experiments
9:20	A. Diaz Varela	High-Statistics Study Of The Beta Decay Of ¹¹⁰ In
9:40	R. Thompson	Antihydrogen Trapped: Project ALPHA's Road To The Creation, Storage, And Eventual Study Of Antihydrogen
10:10	T. Friesen	Electrostatic Mode Diagnostics In The ALPHA Experiment
10:30	M.D. Ashkezari	Microwave Spectroscopy Of Antihydrogen

10:50

Coffee break

Chair G. Ball

Time	Speaker	Title
11:10	P. Navrátil	<i>Ab Initio</i> Theory Of Light-Ion Reactions
11:40	G. Marshal	A Thermal Muon Source For Muon $g - 2$
12:00	D. Swersky	Drift Chamber Design Optimization Studies For The SuperB High-Luminosity Flavour Factory

12:20

Lunch

Free Afternoon

Chair A. Ritz

Time	Speaker	Title
19:30	H. Trottier	Quantum Chromodynamics On A Space-Time Lattice
20:00	Z. Wang	γ -Ray Spectroscopy Of Neutron-Rich Silicon And Sulphur Nuclei Using Grazing Reactions
20:20	R. Dunlop	High-Precision Branching Ratio Measurement For The Superaligned β^+ Emitter ⁷⁴ Rb

20:40	B. Hadinia	Alpha-Decay Studies Of ^{172}Au - ^{168}Ir - ^{164}Re Chain And Gamma-Ray Spectroscopy Of ^{172}Au
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21:00	S. Chagnon-Lessard	Structure Of ^{152}Sm And Its Low-Lying Negative-Parity Bands Via Deuteron Inelastic Scattering
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21:20

Coffee break

Chair D. Frekers

Time	Speaker	Title
21:40	C. Kraus	SNO+ A Multi-Purpose Neutrino Detector
22:10	A. Kamaha	Background Reduction In The PICASSO Experiment
22:30	N. Kolev	Determination Of Non-Universal Supergravity Models At The Large Hadron Collider

Sunday, February 20

Chair G. Marshall

Time	Speaker	Title
8:30	Z. Papandreou	The Gluex Barrel Electromagnetic Calorimeter
9:00	M. Tahani	Large Area Multi-Pixel Photon Detectors For The Gluex Barrel Calorimeter
9:20	D. Irvine	$^{30}\text{P}(p,\gamma)^{31}\text{S}$ Reaction Rate Via $^{32}\text{S}(d,t)^{31}\text{S}$ And Its Astrophysical Relevance
9:40	K. Setoodehnia	The Structure Of ^{30}S And Its Astrophysical Influence
10:00	D. Leahy	A Quark Star Accreting From A Degenerate Debris Ring As A Model For Low Magnetic Field Soft Gamma-Ray Repeaters

10:20

Coffee break

Chair G. Lolos

Time	Speaker	Title
10:40	R. Ouyed	Trends In Nickel And Titanium In Dual-Shock Quark-Novae (DS-QNE)
11:10	M. Kostka	Photometric And Spectroscopic Evidence Of Quark Novae Found In Observations Of Super-Luminous Supernovae
11:30	N. Koning	r-Java : A New Code For Simulating r-Process Nucleosynthesis In Ejected Neutron Star Crusts.
11:50	M. Gericke	The Qweak Experiment: A Search For Physics Beyond The Standard Model Via Precision Measurement Of The Weak Charge Of The Proton
12:20	J. Pan	Momentum Transfer Determination And Extrapolation In The Qweak Experiment

12:40

Student Prizes, Closing Remarks

Thank you for your participation!