

Exploring the role of electro-weak currents in Atomic Nuclei



Report of Contributions

Contribution ID: 1

Type: **not specified**

Electro-weak currents from chiral-EFT

Monday, 23 April 2018 10:25 (45 minutes)

Presenter: EPELBAUM, Evgeny (Ruhr-Universitat Bochum)

Contribution ID: 3

Type: **not specified**

Welcome

Monday, 23 April 2018 10:00 (25 minutes)

Contribution ID: 4

Type: **not specified**

Nuclear spectra and weak response: a status report

Monday, 23 April 2018 11:40 (45 minutes)

Presenter: SCHIAVILLA , Rocco (JLAB)

Contribution ID: 5

Type: **not specified**

Nucleon correlations in neutrino oscillation experiments

Friday, 27 April 2018 10:00 (45 minutes)

Presenter: KATORI , Teppei (University of London)

Contribution ID: 6

Type: **not specified**

Proton rms-radius from electron scattering

Monday, 23 April 2018 13:55 (45 minutes)

Presenter: INGO , Sick (University of Basel)

Contribution ID: 7

Type: **not specified**

Short Range Correlations and the EMC Effect in Effective Field Theory

Monday, 23 April 2018 14:40 (45 minutes)

Presenter: LYNN, Joel (TU Darmstadt)

Contribution ID: 8

Type: **not specified**

Low-energy Electro-weak Reactions

Monday, 23 April 2018 15:55 (45 minutes)

Presenter: GAZIT , Doron (Hebrew University)

Contribution ID: 9

Type: **not specified**

Structure and dynamics of neutron rich matter

Presenter: CARLSON, Joe (LANL)

Contribution ID: **10**

Type: **not specified**

Electromagnetic and neutral-weak response of light nuclei

Tuesday, 24 April 2018 11:15 (45 minutes)

Presenter: LOVATO, Alessandro

Contribution ID: 11

Type: **not specified**

Electroweak reactions in light nuclei

Tuesday, 24 April 2018 16:00 (45 minutes)

Presenter: BARNEA, Nir (Hebrew University)

Contribution ID: 12

Type: **not specified**

Electromagnetic Nuclear Responses

Tuesday, 24 April 2018 14:45 (45 minutes)

Presenter: BACCA , Sonia (TRIUMF / TU Darmstadt)

Contribution ID: 13

Type: **not specified**

Opportunities for electron scattering experiments with exotic nuclei

Tuesday, 24 April 2018 14:00 (45 minutes)

Presenter: SUDA , Toshimi (Tohoku University)

Contribution ID: 14

Type: **not specified**

Two-body currents and weak decays in light nuclei

Tuesday, 24 April 2018 16:45 (45 minutes)

Presenter: NAVRATIL , Petr (TRIUMF)

Contribution ID: 15

Type: **not specified**

Electromagnetic response and weak decays in light nuclei

Wednesday, 25 April 2018 10:00 (45 minutes)

Presenter: PASTORE, Saori (LANL)

Contribution ID: 16

Type: **not specified**

Effective g-factors and their interpretations in nuclear structure

Presenter: NEYENS , Gerda (CERN / KU Leuven)

Contribution ID: 17

Type: **not specified**

Spectroscopy of exotic nuclei: effective charges excursus

Presenter: VALIENTE DOBON , Javier J. (INFN)

Contribution ID: **18**

Type: **not specified**

Coupled-cluster computations of weak decays

Wednesday, 25 April 2018 14:45 (45 minutes)

Presenter: HAGEN, Gaute (UTK / ORNL)

Contribution ID: 19

Type: **not specified**

Two-body currents and their role in light nuclei

Thursday, 26 April 2018 14:45 (45 minutes)

Presenter: WENDT, Kyle (LLNL)

Contribution ID: 20

Type: **not specified**

Nuclear ground-state electrostatic properties

Wednesday, 25 April 2018 11:15 (45 minutes)

Presenter: FLANAGAN , Kieran (The University of Manchester)

Contribution ID: 21

Type: **not specified**

Neutrino-less double beta decay experiments

Thursday, 26 April 2018 10:00 (45 minutes)

Presenter: HENNING, Reyco (University of North Carolina Chapel Hill)

Contribution ID: 22

Type: **not specified**

Chiral Two-Body Currents and Neutrinoless Double-Beta Decay

Presenter: ENGLE, Jon (UNC)

Contribution ID: 23

Type: **not specified**

Precision Penning-trap measurements for fundamental studies

Thursday, 26 April 2018 11:15 (45 minutes)

Presenter: BLAUM, Klaus (Max-Planck-Institut Für Kernphysik)

Contribution ID: 24

Type: **not specified**

Effective theory approach to neutrino less double beta decay

Thursday, 26 April 2018 16:00 (45 minutes)

Presenter: CIRIGLIANO, Vincenzo (LANL)

Contribution ID: 25

Type: **not specified**

Double Gamow-Teller resonances and their relation to $0\nu\beta\beta$

Thursday, 26 April 2018 14:00 (45 minutes)

Presenter: MENENDEZ, Javier (Tokyo University)

Contribution ID: 26

Type: **not specified**

The Bohr-Weiskopf Effect and the Nuclear Magnetization Radius

Wednesday, 25 April 2018 14:00 (45 minutes)

Presenter: BISSELL, Mark (The University of Manchester)

Contribution ID: 27

Type: **not specified**

Effects of many-body currents in dark matter detection and WIMP-nucleus scattering

Tuesday, 24 April 2018 10:00 (45 minutes)

Presenter: SCHWENK, Achim (TU Darmstadt)

Contribution ID: 28

Type: **not specified**

Nuclear response functions for dark matter searches

Presenter: FORSSEN, Christian (Chalmers University)

Contribution ID: 29

Type: **not specified**

Concluding remarks

Friday, 27 April 2018 12:00 (15 minutes)

Contribution ID: 30

Type: **not specified**

Testing the role of many-body currents in medium mass and heavy nuclei

Wednesday, 25 April 2018 16:00 (45 minutes)

Presenter: HOLT, Jason (TRIUMF - Vancouver)

Contribution ID: 31

Type: **not specified**

Direct Dark Matter Detection with XENON

Friday, 27 April 2018 11:15 (45 minutes)

Presenter: NAGANOM, Junji (Rice University)