

Nucleon Spin Structure at Low Q: A Hyperfine View



Report of Contributions

Contribution ID: 2

Type: **not specified**

Nucleon spin structure: Highlights and Workshop goals

Monday, 2 July 2018 09:30 (45 minutes)

Presenter: Prof. VANDERHAEGHEN, Marc (Universität Mainz (D))

Contribution ID: 3

Type: **not specified**

Welcome

Monday, 2 July 2018 09:25 (5 minutes)

Presenters: DEUR, Alexandre (Thomas Jefferson National Accelerator Facility); Dr PASCALUTSA, Vladimir (Institut für Kernphysik, Johannes Gutenberg-Universität Mainz); Prof. VANDERHAEGHEN, Marc (Universität Mainz (D)); Dr CHEN, Jian-Ping (Jlab); Dr ANTOGNINI, Aldo (ETH Zurich)

Contribution ID: 4

Type: **not specified**

Overview of new measurements of electromagnetic form factors, polarizabilities and spin structure function functions

Monday, 2 July 2018 10:15 (45 minutes)

Presenter: KUHN, Sebastian (JLab)

Contribution ID: 5

Type: **not specified**

Proton spin structure in the HFS of μ -H

Monday, 2 July 2018 11:30 (45 minutes)

Presenter: CARLSON, Carl (William and Mary Coll.)

Contribution ID: 6

Type: **not specified**

Study of Neutron Spin Structure with ^3He

Tuesday, 3 July 2018 09:30 (45 minutes)

Presenter: PACE, Emanuele (INFN Roma)

Contribution ID: 7

Type: **not specified**

Lattice QCD of the nucleon spin structure

Monday, 2 July 2018 12:15 (45 minutes)

Presenter: LIN, Huey-Wen (Michigan State University)

Contribution ID: 8

Type: **not specified**

Status of chiral EFT calculations

Monday, 2 July 2018 16:15 (45 minutes)

Presenter: PASCALUTSA, Vladimir (Institut für Kernphysik, Johannes Gutenberg-Universität Mainz)

Contribution ID: 9

Type: **not specified**

The JLab g2p experiment

Monday, 2 July 2018 15:30 (45 minutes)

Presenter: SLIFER, Karl (University of New Hampshire)

Contribution ID: **10**

Type: **not specified**

Novel calculation of the nucleon FF with Dispersively Improved Chiral EFT

Wednesday, 4 July 2018 11:30 (45 minutes)

Presenter: ALARCON, Jose (Madrid)

Contribution ID: 11

Type: **not specified**

Results from the JLab CLAS EG4 experiment

Tuesday, 3 July 2018 11:30 (45 minutes)

Presenter: RIPANI, Marco (INFN Genova)

Contribution ID: 12

Type: **not specified**

Low Q2 Spin Moments of neutron and ^3He from JLab E97110 experiment

Tuesday, 3 July 2018 10:15 (45 minutes)

Presenter: CHEN, Jian-ping (JLab)

Contribution ID: 13

Type: **not specified**

Generalized polarizabilities and structure functions in chiral EFT

Tuesday, 3 July 2018 12:15 (45 minutes)

Presenter: LENSKY, Vadim (JGU Mainz)

Contribution ID: 14

Type: **not specified**

The HlyS program

Tuesday, 3 July 2018 15:30 (45 minutes)

Presenter: AHMED, Mohammed (Duke University)

Contribution ID: 15

Type: **not specified**

MAMI results for polarizabilities

Tuesday, 3 July 2018 16:15 (45 minutes)

Presenter: MARTEL, Philippe

Contribution ID: **16**

Type: **not specified**

Recent VCS results from MAMI and JLab

Tuesday, 3 July 2018 17:30 (45 minutes)

Presenter: SPARVERIS, Nikos (Temple University)

Contribution ID: 17

Type: **not specified**

Real Compton scattering off the proton: new fitting strategy for scalar dynamical polarizabilities

Wednesday, 4 July 2018 12:15 (25 minutes)

Presenter: SCONFETTI, Stefano (University of Pavia)

Contribution ID: **18**

Type: **not specified**

Status and plans of the low Q² nucleon form factor program

Friday, 6 July 2018 09:30 (45 minutes)

Presenter: BERNAUER, Jan C.

Contribution ID: **19**

Type: **not specified**

Zemach moments of the proton from electron scattering

Thursday, 5 July 2018 10:15 (45 minutes)

Presenters: DISTLER, Michael (University of Mainz); TBD

Contribution ID: 20

Type: **not specified**

Theory of hyperfine structure

Thursday, 5 July 2018 09:30 (45 minutes)

Presenter: PACHUCKI, Krzysztof (University of Warsaw)

Contribution ID: 21

Type: **not specified**

Laser spectroscopy of the hyperfine splitting in muonic hydrogen atom by a measurement of decay electron asymmetry

Thursday, 5 July 2018 11:30 (45 minutes)

Presenter: KANDA, Sohtaro

Contribution ID: 22

Type: **not specified**

PSI experiments

Thursday, 5 July 2018 12:15 (45 minutes)

Presenter: Dr ANTOGNINI, Aldo (ETH Zurich)

Contribution ID: 23

Type: **not specified**

NREFT calculations of muH hyperfine structure

Thursday, 5 July 2018 15:30 (45 minutes)

Presenter: PINEDA, Antonio

Contribution ID: 24

Type: **not specified**

Chiral EFT calculations of proton structure effects in μH

Thursday, 5 July 2018 16:15 (45 minutes)

Presenter: HAGELSTEIN, Franziska (University of Bern)

Contribution ID: 25

Type: **not specified**

Preliminary results from JLab PRad experiment

Thursday, 5 July 2018 17:30 (45 minutes)

Presenter: GASPARIAN, Ashot

Contribution ID: 26

Type: **not specified**

The FAMU experiment at RIKEN RAL

Friday, 6 July 2018 10:15 (45 minutes)

Presenter: VACCHI, Andrea (INFN Trieste)

Contribution ID: 27

Type: **not specified**

Lattice QCD of the nucleon spin structure

Wednesday, 4 July 2018 09:30 (45 minutes)

Presenter: ALEXANDROU, Constantia (Nikosia)

Contribution ID: 28

Type: **not specified**

Nucleon axial charge and the lowest moments of dimension-four operators from lattice QCD

Wednesday, 4 July 2018 10:15 (45 minutes)

Presenter: OTTNAD, Konstantin (JGU Mainz)

Contribution ID: 29

Type: **not specified**

Coffee

Contribution ID: **30**

Type: **not specified**

Workshop summaries

Friday, 6 July 2018 11:30 (45 minutes)

Presenter: DEUR, Alexandre (Thomas Jefferson National Accelerator Facility)

Contribution ID: 31

Type: **not specified**

Radiative Pion-Photoproduction in covariant chiral perturbation theory

Monday, 2 July 2018 17:30 (25 minutes)

Presenter: RIJNEVEEN, Jan