

Chirality, Vorticity and Magnetic Field in Heavy Ion Collisions

Report of Contributions

Contribution ID: 1

Type: **not specified**

Registration

Friday, December 2, 2022 8:30 AM (20 minutes)

Session Classification: Spin Dynamics/Vorticity Sessions

Contribution ID: 2

Type: **not specified**

Welcome and Logistics

Friday, December 2, 2022 8:50 AM (10 minutes)

Presenter: HUANG, Huan (UCLA)

Session Classification: Spin Dynamics/Vorticity Sessions

Contribution ID: 3

Type: **not specified**

Recent developments of spin polarization phenomenology in relativistic heavy ion collisions

Friday, December 2, 2022 9:00 AM (30 minutes)

Presenter: BECATTINI, Francesco (Università di Firenze)

Session Classification: Spin Dynamics/Vorticity Sessions

Contribution ID: 4

Type: **not specified**

Spin alignment measurements and future perspective

Friday, December 2, 2022 9:30 AM (30 minutes)

Presenter: TANG, Aihong (Brookhaven National Laboratory)

Session Classification: Spin Dynamics/Vorticity Sessions

Contribution ID: 5

Type: **not specified**

Quarkonia and heavy flavor polarization: recent results and future perspectives (Zoom)

Friday, December 2, 2022 10:00 AM (30 minutes)

Presenter: MICHELETTI, Luca

Session Classification: Spin Dynamics/Vorticity Sessions

Contribution ID: 6

Type: **not specified**

Measurement of novel vorticity phenomenon and future perspective (Zoom)

Friday, December 2, 2022 11:00 AM (30 minutes)

Presenter: LISA, Mike

Session Classification: Spin Dynamics/Vorticity Sessions

Contribution ID: 7

Type: **not specified**

Exact Polarization in Relativistic Fluids at Global Equilibrium

Friday, December 2, 2022 11:30 AM (30 minutes)

Presenter: PALERMO, Andrea (Università di Firenze, INFN Firenze, Goethe Univesität Frankfurt)

Session Classification: Spin Dynamics/Vorticity Sessions

Contribution ID: 8

Type: **not specified**

Polarization measurement update and future

Friday, December 2, 2022 2:00 PM (30 minutes)

Presenter: VOLOSHIN, Sergei

Session Classification: Spin Dynamics/Vorticity Sessions

Contribution ID: 9

Type: **not specified**

Spin Polarization from Quantum Kinetic Theory

Friday, December 2, 2022 2:30 PM (30 minutes)

Presenter: WAGNER, David (Goethe University Frankfurt)

Session Classification: Spin Dynamics/Vorticity Sessions

Contribution ID: **10**

Type: **not specified**

Spin hydrodynamics: Status and Future Perspective

Friday, December 2, 2022 3:00 PM (30 minutes)

Presenter: SPERANZA, Enrico (University of Illinois at Urbana-Champaign)

Session Classification: Spin Dynamics/Vorticity Sessions

Contribution ID: 11

Type: **not specified**

Local polarization of Lambda hyperons: the role of spin Hall effect, initial condition and other possible corrections (zoom)

Friday, December 2, 2022 4:00 PM (30 minutes)

Presenter: PU, Shi (USTC)

Session Classification: Spin Dynamics/Vorticity Sessions

Contribution ID: 12

Type: **not specified**

Phi spin alignment (zoom)

Friday, December 2, 2022 4:30 PM (30 minutes)

Presenter: WANG, Qun (University of science and technology of China)

Session Classification: Spin Dynamics/Vorticity Sessions

Contribution ID: 13

Type: **not specified**

Opportunities at CBM

Friday, December 2, 2022 5:00 PM (30 minutes)

Presenter: XU, Nu (LBNL)

Session Classification: Spin Dynamics/Vorticity Sessions

Contribution ID: 14

Type: **not specified**

CME in heavy ion collisions: where do we stand, and what needs to be done?

Saturday, December 3, 2022 9:00 AM (30 minutes)

Presenter: KHARZEEV, Dmitri (Stony Brook University and BNL)

Session Classification: CME/CMW and CVE Sessions

Contribution ID: 15

Type: **not specified**

Experimental CME searches

Saturday, December 3, 2022 9:30 AM (30 minutes)

Presenter: TRIBEDY, Prithwish (BNL)

Session Classification: CME/CMW and CVE Sessions

Contribution ID: 16

Type: **not specified**

Perspectives and Discussions on the CME Search

Saturday, December 3, 2022 10:00 AM (30 minutes)

Presenter: LIAO, JINFENG (INDIANA UNIVERSITY)

Session Classification: CME/CMW and CVE Sessions

Contribution ID: 17

Type: **not specified**

Perspectives on the STAR isobar and gold-gold data

Saturday, December 3, 2022 11:00 AM (30 minutes)

Presenter: WANG, Fuqiang (Purdue University (US))

Session Classification: CME/CMW and CVE Sessions

Contribution ID: **18**

Type: **not specified**

What we have learned from isobar data and future perspective

Saturday, December 3, 2022 11:30 AM (30 minutes)

Presenter: SHI, Shuzhe (Stony Brook University)

Session Classification: CME/CMW and CVE Sessions

Contribution ID: **19**

Type: **not specified**

Comments on status of CME searches

Saturday, December 3, 2022 12:00 PM (30 minutes)

Presenter: VOLOSHIN, Sergei

Session Classification: CME/CMW and CVE Sessions

Contribution ID: 20

Type: **not specified**

A possibility of twisted gauge backgrounds and chirality production in the heavy-ion collision

Saturday, December 3, 2022 2:00 PM (30 minutes)

Presenter: FUKUSHIMA, Kenji (The University of Tokyo)

Session Classification: CME/CMW and CVE Sessions

Contribution ID: 21

Type: **not specified**

Event Shape Selection, BES Data and Future Perspective

Saturday, December 3, 2022 2:30 PM (45 minutes)

Presenters: WANG, Gang (UCLA); HUANG, Huan (UCLA)

Session Classification: CME/CMW and CVE Sessions

Contribution ID: 22

Type: **not specified**

CME/CMW searches at LHC energies

Saturday, December 3, 2022 4:00 PM (30 minutes)

Presenter: CHRISTAKOGLOU, Panos (Nikhef)

Session Classification: CME/CMW and CVE Sessions

Contribution ID: 23

Type: **not specified**

Challenges and Future Perspective (Zoom)

Saturday, December 3, 2022 4:30 PM (30 minutes)

Presenter: MULLER, Berndt

Session Classification: CME/CMW and CVE Sessions

Contribution ID: 24

Type: **not specified**

Magnetic Field at BES Energies (Zoom)

Sunday, December 4, 2022 9:00 AM (30 minutes)

Presenter: LI, Hui (Fudan University)

Session Classification: EM Field Sessions

Contribution ID: 25

Type: **not specified**

UPC and Magnetic Field

Sunday, December 4, 2022 9:30 AM (30 minutes)

Presenter: XU, Zhangbu (BNL)

Session Classification: EM Field Sessions

Contribution ID: 26

Type: **not specified**

v1 Splitting results and perspective

Sunday, December 4, 2022 10:00 AM (30 minutes)

Presenter: WANG, Gang (UCLA)

Session Classification: EM Field Sessions

Contribution ID: 27

Type: **not specified**

Discussions: Any high priority item at RHIC if an opportunity arises

Sunday, December 4, 2022 11:00 AM (1 hour)

Session Classification: EM Field Sessions