

**Phases of Quantum
Chromodynamics (QCD) and
Beam Energy Scan Program
with Heavy Ion Collisions**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Beam Energy Scan: theoretical overview

Tuesday 15 August 2017 09:00 (40 minutes)

Volker Koch

Presenter: KOCH, Volker (LBNL)

Contribution ID: 2

Type: **not specified**

Beam Energy Scan: experimental overview

Tuesday 15 August 2017 09:40 (40 minutes)

Presenter: XU, Nu (CCNU/LBNL)

Contribution ID: 3

Type: **not specified**

STAR upgrades for the BES-II

Tuesday 15 August 2017 10:20 (30 minutes)

Presenter: VIDEBAEK, Flemming (BNL)

Contribution ID: 4

Type: **not specified**

Strangeness production in STAR beam energy scan

Tuesday 15 August 2017 11:20 (25 minutes)

Presenter: ZHU, Xianglei (Tsinghua Univ)

Contribution ID: 5

Type: **not specified**

Measurements of elliptic flow in STAR Beam Energy Scan Program

Tuesday 15 August 2017 11:45 (25 minutes)

Presenter: SHI, Shusu (CCNU)

Contribution ID: 6

Type: **not specified**

Mean-field potential effects at RHIC BES

Tuesday 15 August 2017 12:10 (25 minutes)

Presenter: XU, Jun (SINAP)

Contribution ID: 7

Type: **not specified**

Alpha-clustering effect on the collective motion and correlation from the low to relativistic energy

Tuesday 15 August 2017 14:00 (40 minutes)

Presenter: MA, Yu-Gang (SINAP)

Contribution ID: 8

Type: **not specified**

Overview of bulk evolution at BES energies

Tuesday 15 August 2017 14:40 (40 minutes)

Presenter: HEINZ, Ulrich (OSU)

Contribution ID: 9

Type: **not specified**

Dynamical initialization of QGP fluids

Tuesday 15 August 2017 15:50 (30 minutes)

Presenter: HIRANO, Tetsufumi (Sofia Univ)

Contribution ID: **10**

Type: **not specified**

Critical and non-critical fluctuations in RHIC BES

Tuesday 15 August 2017 16:20 (30 minutes)

Presenter: SONG, Huichao (Peking Univ)

Contribution ID: 11

Type: **not specified**

Constraint on viscosity of QCD matter during 1st-order phase transition

Tuesday 15 August 2017 16:50 (30 minutes)

Presenter: XU, Zhe (Tsinghua Univ)

Contribution ID: 12

Type: **not specified**

Exploring the phase structure and dynamics of QCD

Wednesday 16 August 2017 09:00 (30 minutes)

Presenter: PAWLOWSKI, Jan (Univ Heidelberg)

Contribution ID: 13

Type: **not specified**

Multi-proton correlation functions and the QCD phase diagram

Wednesday 16 August 2017 09:30 (30 minutes)

Presenter: BZDAK, Adam (AGH)

Contribution ID: 14

Type: **not specified**

Location of the QCD critical end point

Wednesday 16 August 2017 10:00 (30 minutes)

Presenter: HUANG, Mei (IHEP)

Contribution ID: 15

Type: **not specified**

QCD phase diagram and critical end point from lattice

Wednesday 16 August 2017 10:30 (30 minutes)

Presenter: DING, Heng-Tong (CCNU)

Contribution ID: 16

Type: **not specified**

Percolation picture from nuclear to quark matter

Wednesday 16 August 2017 11:30 (30 minutes)

Presenter: FUKUSHIMA, Kenji (Univ Tokyo)

Contribution ID: 17

Type: **not specified**

Nucleon clustering in neutron-rich nuclei

Wednesday 16 August 2017 12:00 (30 minutes)

Presenter: REN, Zhongzhou (Nanjing Univ)

Contribution ID: **18**

Type: **not specified**

Heavy ion collisions at RHIC: Beam Energy Scan, Isobars, and beyond

Wednesday 16 August 2017 14:00 (40 minutes)

Presenter: MUELLER, Berndt (BNL)

Contribution ID: **19**

Type: **not specified**

Searching for QCD critical point: theoretical overview

Wednesday 16 August 2017 14:40 (40 minutes)

Presenter: STEPHANOV, Mikail (UIC)

Contribution ID: 20

Type: **not specified**

Search for the QCD critical point with fluctuations of conserved quantities in relativistic heavy-ion collisions at RHIC

Wednesday 16 August 2017 15:50 (30 minutes)

Presenter: LUO, Xiaofeng (CCNU)

Contribution ID: 21

Type: **not specified**

Unfolding of net-distribution to look for a critical fluctuation

Wednesday 16 August 2017 16:20 (30 minutes)

Presenter: ESUMI, ShinIchi (Tsukuba Univ)

Contribution ID: 22

Type: **not specified**

Locating the CEP via the DS Equation Approach

Wednesday 16 August 2017 16:50 (30 minutes)

Presenter: LIU, Yu-Xin (Peking Univ)

Contribution ID: 23

Type: **not specified**

Overview of the search for anomalous transport in heavy ion collisions

Thursday 17 August 2017 09:00 (35 minutes)

Presenter: HUANG, Huan Zhong (Fudan/UCLA)

Contribution ID: 24

Type: **not specified**

Equal-time transport in electromagnetic and strong interacting matter

Thursday 17 August 2017 09:35 (35 minutes)

Presenter: ZHUANG, Pengfei (Tsinghua Univ)

Contribution ID: 25

Type: **not specified**

**Charge separation measurements
in $p(d)+A$ and $A(B)+A$ collisions:
Implications for characterization of the chiral
magnetic effect**

Thursday 17 August 2017 10:10 (30 minutes)

Presenter: LACEY, Roy (Stony Brook)

Contribution ID: 26

Type: **not specified**

Some theoretical issues about anomalous transports

Thursday 17 August 2017 10:40 (30 minutes)

Presenter: HOU, Defu (CCNU)

Contribution ID: 27

Type: **not specified**

Uncovering the mystery of hot QCD matter from non-equilibrium dynamics

Thursday 17 August 2017 11:40 (30 minutes)

Presenter: YIN, Yi (MIT)

Contribution ID: 28

Type: **not specified**

Chiral soliton lattice in strong magnetic fields

Thursday 17 August 2017 12:10 (30 minutes)

Presenter: YAMAMOTO, Naoki (Keio Univ)

Contribution ID: 29

Type: **not specified**

Globally polarized quark gluon plasma in non-central AA collisions

Thursday 17 August 2017 14:00 (30 minutes)

Presenter: LIANG, Zuo-tang (Shandong Univ)

Contribution ID: **30**

Type: **not specified**

The symmetry energy in nucleon and quark matter

Thursday 17 August 2017 14:30 (30 minutes)

Presenter: CHEN, Lie-Wen (SJTU)

Contribution ID: 31

Type: **not specified**

Physical programs and status of the CSR external-Target Experiment (CEE)

Thursday 17 August 2017 15:00 (30 minutes)

Presenter: XIAO, Zhigang (Tsinghua Univ)

Contribution ID: 32

Type: **not specified**

Quark models, phase diagram, and structure of compact star

Thursday 17 August 2017 15:30 (30 minutes)

Presenter: PENG, Guangxiong (UCAS)

Contribution ID: 33

Type: **not specified**

Fluctuations and QCD phase structure

Thursday 17 August 2017 16:30 (25 minutes)

Presenter: SHAO, Guoyun

Contribution ID: 34

Type: **not specified**

Open heavy flavor measurements in heavy-ion collisions

Thursday 17 August 2017 16:55 (25 minutes)

Presenter: ZHANG, Yifei (USTC)

Contribution ID: 35

Type: **not specified**

Transport model study of chiral magnetic and vortical effects in heavy ion collisions

Friday 18 August 2017 09:00 (30 minutes)

Presenter: KO, Che-Ming

Contribution ID: 36

Type: **not specified**

Chiral kinetic equation with a collision term and anomalous transport from quantum field theory

Friday 18 August 2017 09:30 (30 minutes)

Presenter: HIDAHA, Yoshimasa (RIKEN)

Contribution ID: 37

Type: **not specified**

Boost invariant formulation of the chiral kinetic theory

Friday 18 August 2017 10:00 (30 minutes)

Presenter: PU, Shi (Univ Tokyo)

Contribution ID: 38

Type: **not specified**

Investigating the CME and background with AMPT model

Friday 18 August 2017 10:30 (30 minutes)

Presenter: MA, Guoliang (SINAP)

Contribution ID: 39

Type: **not specified**

Transport phenomena in strong magnetic fields

Friday 18 August 2017 11:30 (20 minutes)

Presenter: HATTORI, Koichi (Fudan Univ)

Contribution ID: 40

Type: **not specified**

Chiral Magnetic Effect in lattice perturbation scheme

Friday 18 August 2017 11:50 (20 minutes)

Presenter: FENG, Bo (HUST)

Contribution ID: 41

Type: **not specified**

Charmonium production from strong electromagnetic field and QGP in AA collisions

Friday 18 August 2017 12:10 (20 minutes)

Presenter: CHEN, Baoyi (Tianjin Univ)

Contribution ID: 42

Type: **not specified**

Beam Energy Scan Theory: status & outlook

Friday 18 August 2017 14:00 (40 minutes)

Presenter: MUKHERJEE, Swagato (BNL)

Contribution ID: 43

Type: **not specified**

Axial charge dynamics from massive quarks

Friday 18 August 2017 14:40 (30 minutes)

Presenter: LIN, Shu (SYS Univ)

Contribution ID: 44

Type: **not specified**

Experimental overview of Chiral Magnetic Wave in heavy-ion collisions

Friday 18 August 2017 15:10 (25 minutes)

Presenter: SHOU, Qiye (SINAP)

Contribution ID: 45

Type: **not specified**

Quarksonic matter at high isospin density

Friday 18 August 2017 15:35 (25 minutes)

Presenter: CAO, Gaoqing