Town Meeting "Relativistic Heavy-Ion Collisions"

Friday 29 June 2012 - Friday 29 June 2012

CERN

Book of abstracts

Table of contents

Introductory Remarks (5) 1

Results and future plans of ALICE at the LHC (6) 1

Results and future plans of CMS at the LHC (7) 1

Results and future plans of ATLAS at the LHC (8) 1

Results and future plans of STAR at RHIC (9) 1

Results and future plans of PHENIX at RHIC (10) 1

The Compressed Baryonic Matter experiment at FAIR (11) 1

NA61 status and energy scan with Pb+Pb collisions (12) 2

A new dilepton experiment at the CERN SPS (13) 2

The NICA Project at JINR (14) 2

Heavy Ion Beams at the CERN LHC (15) 2

Heavy Ion Beams at the CERN SPS (16) 2

Prospective for A Fixed-Target ExpeRiment at the LHC: AFTER at LHC (17) 2

Finite temperature lattice QCD (18) 2

Individual short statements and comments from members of the European heavy ion community (19) 3

Discussion and conclusions of the town meeting (20) 3

An experiment to measure chi_c suppression at the CERN SPS (24) 3

5

Introductory Remarks

Corresponding Author: urs.wiedemann@cern.ch

6

Results and future plans of ALICE at the LHC

Corresponding Author: karel.safarik@cern.ch

7

Results and future plans of CMS at the LHC

Corresponding Author: gunter.roland@cern.ch

8

Results and future plans of ATLAS at the LHC

Corresponding Author: brian.cole@cern.ch

9

Results and future plans of STAR at RHIC

Corresponding Author: dunlop@bnl.gov

10

Results and future plans of PHENIX at RHIC

Corresponding Author: jacak@skipper.physics.sunysb.edu

11

The Compressed Baryonic Matter experiment at FAIR

Corresponding Author: p.senger@gsi.de

12

NA61 status and energy scan with Pb+Pb collisions

Corresponding Author: marek.gazdzicki@cern.ch

13

A new dilepton experiment at the CERN SPS

Corresponding Author: gianluca.usai@ca.infn.it

14

The NICA Project at JINR

Corresponding Author: alexander.sorin@cern.ch

15

Heavy Ion Beams at the CERN LHC

Corresponding Author: john.jowett@cern.ch

16

Heavy Ion Beams at the CERN SPS

Corresponding Author: django@cern.ch

17

Prospective for A Fixed-Target ExpeRiment at the LHC: AFTER at LHC

Corresponding Author: andry.malala.rakotozafindrabe@cern.ch

18

Finite temperature lattice QCD

Corresponding Author: karsch@physik.uni-bielefeld.de

19

Individual short statements and comments from members of the European heavy ion community

20

Discussion and conclusions of the town meeting

24

An experiment to measure chi_c suppression at the CERN SPS

Corresponding Author: fleuret@in2p3.fr