

CREMLINplus WP2 kick-off meeting

Report of Contributions

Contribution ID: 1

Type: **not specified**

Task overview: Aim, participants, milestones and deliverables

Wednesday, 1 July 2020 13:45 (5 minutes)

Presenter: HEUSER, Johann (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))

Session Classification: Task 2.1: Integration, installation, and test of Silicon trackers for NICA and CBM (FAIR, JINR, EKUT) (Task leader: Johann Heuser, GSI)

Contribution ID: 2

Type: **not specified**

Towards Milestone 6 (Month 12): First detector ladder for BM@N-STS [assembled and tested]

Wednesday, 1 July 2020 13:50 (20 minutes)

Presenter: DEMENTIEV, Dmitri (Veksler and Baldin Laboratory of High Energy Physics(JINR-VBLHEP))

Session Classification: Task 2.1: Integration, installation, and test of Silicon trackers for NICA and CBM (FAIR, JINR, EKUT) (Task leader: Johann Heuser, GSI)

Contribution ID: 3

Type: **not specified**

Towards Milestone 7 (Month 24): Series production of detector ladders for CBM-STS started

Wednesday, 1 July 2020 14:10 (20 minutes)

Presenter: WILMS, Andrea (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))

Session Classification: Task 2.1: Integration, installation, and test of Silicon trackers for NICA and CBM (FAIR, JINR, EKUT) (Task leader: Johann Heuser, GSI)

Contribution ID: 4

Type: **not specified**

Topics and plans WP2.4

Wednesday, 1 July 2020 16:00 (15 minutes)

Presenter: SENGER, Peter (Facility for Antiproton and Ion Research in Europe GmbH(FAIR))

Session Classification: Task 2.4: Development and construction of beam monitors, target chamber and beam pipe for NICA and CBM (FAIR, JINR) (Task leader: Peter Senger, FAIR)

Contribution ID: 5

Type: **not specified**

Beam monitor/T0 counter

Wednesday, 1 July 2020 16:15 (15 minutes)

Presenter: ROST, Adrian (Facility for Antiproton and Ion Research in Europe GmbH(FAIR))

Session Classification: Task 2.4: Development and construction of beam monitors, target chamber and beam pipe for NICA and CBM (FAIR, JINR) (Task leader: Peter Senger, FAIR)

Contribution ID: 6

Type: **not specified**

Beam pipe simulations

Wednesday, 1 July 2020 16:30 (15 minutes)

Presenter: SENGER, Anna (Facility for Antiproton and Ion Research in Europe GmbH(FAIR))

Session Classification: Task 2.4: Development and construction of beam monitors, target chamber and beam pipe for NICA and CBM (FAIR, JINR) (Task leader: Peter Senger, FAIR)

Contribution ID: 7

Type: **not specified**

Task overview

Wednesday, 1 July 2020 14:30 (5 minutes)

Presenter: ZABOLOTNY, Wojciech (Warsaw University of Technology(WUT))

Session Classification: Task 2.2: Developments for the data acquisition chain, for data pre-processing and computing (WUT, FAIR, JINR) (Task leader: Wojtek Zabolotny, WUT)

Contribution ID: 8

Type: **not specified**

Requirements for DAQ and processing chain, Contribution of JINR to T2.2

Wednesday, 1 July 2020 14:45 (10 minutes)

Presenter: DEMENTIEV, Dmitri (Veksler and Baldin Laboratory of High Energy Physics(JINR-VBLHEP))

Session Classification: Task 2.2: Developments for the data acquisition chain, for data pre-processing and computing (WUT, FAIR, JINR) (Task leader: Wojtek Zabolotny, WUT)

Contribution ID: 9

Type: **not specified**

Overview of the system. Contribution of FAIR to T2.2

Wednesday, 1 July 2020 14:35 (10 minutes)

Presenter: SCHMIDT, Christian Joachim (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))

Session Classification: Task 2.2: Developments for the data acquisition chain, for data pre-processing and computing (WUT, FAIR, JINR) (Task leader: Wojtek Zabolotny, WUT)

Contribution ID: **10**

Type: **not specified**

Summary and discussion

Wednesday, 1 July 2020 15:05 (10 minutes)

Presenter: ZABOLOTNY, Wojciech (Warsaw University of Technology(WUT))

Session Classification: Task 2.2: Developments for the data acquisition chain, for data pre-processing and computing (WUT, FAIR, JINR) (Task leader: Wojtek Zabolotny, WUT)

Contribution ID: 11

Type: **not specified**

Contribution of WUT for T2.2

Wednesday, 1 July 2020 14:55 (10 minutes)

Presenter: ZABOLOTNY, Wojciech (Warsaw University of Technology(WUT))

Session Classification: Task 2.2: Developments for the data acquisition chain, for data pre-processing and computing (WUT, FAIR, JINR) (Task leader: Wojtek Zabolotny, WUT)

Contribution ID: 12

Type: **not specified**

Contribution JINR

Wednesday, 1 July 2020 15:25 (10 minutes)

Presenter: MURIN, Yuri (Joint Institute for Nuclear Research (JINR)(JINR))

Session Classification: Task 2.3: Development of common software packages for simulation and data analysis, participation in physics performance studies(MEPHI, FAIR, JINR, Wigner RCP) (Task leader: Arkadiy Taranenko, MEPHI)

Contribution ID: 13

Type: **not specified**

Contribution Wigner RCP

Wednesday, 1 July 2020 15:35 (10 minutes)

Presenter: WOLF, Gyorgy (Wigner RCP)

Session Classification: Task 2.3: Development of common software packages for simulation and data analysis, participation in physics performance studies(MEPHI, FAIR, JINR, Wigner RCP) (Task leader: Arkadiy Taranenko, MEPHI)

Contribution ID: 14

Type: **not specified**

Contribution MEPHI / GSI

Wednesday, 1 July 2020 15:15 (10 minutes)

Presenters: TARANENKO, Arkadiy (National Research Nuclear University MEPHI); SELYUZHENKOV, Ilya (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))

Session Classification: Task 2.3: Development of common software packages for simulation and data analysis, participation in physics performance studies(MEPHI, FAIR, JINR, Wigner RCP) (Task leader: Arkadiy Taranenko, MEPHI)

Contribution ID: 15

Type: **not specified**

Task 2.5 - objective, participants, topics, organization of work

Wednesday, 1 July 2020 16:45 (10 minutes)

Presenter: GUBER, Fedor

Session Classification: Task 2.5: Development and construction of Zero Degree Calorimeters for NICA and CBM (INR RAS, NPI CAS) (Task leader: Fedor Guber, INR)

Contribution ID: 16

Type: **not specified**

Calibration of forward hadron calorimeters with cosmic muons and determination of centrality by ML methods

Wednesday, 1 July 2020 16:55 (7 minutes)

Presenter: KARPUSHKIN, Nikolay (Institute for Nuclear Research)

Session Classification: Task 2.5: Development and construction of Zero Degree Calorimeters for NICA and CBM (INR RAS, NPI CAS) (Task leader: Fedor Guber, INR)

Contribution ID: 17

Type: **not specified**

Development of procedure for MPD FHCAL centrality determination

Wednesday, 1 July 2020 17:02 (7 minutes)

Presenter: Mr VOLKOV, Vadim (INR RAS)

Session Classification: Task 2.5: Development and construction of Zero Degree Calorimeters for NICA and CBM (INR RAS, NPI CAS) (Task leader: Fedor Guber, INR)

Contribution ID: 18

Type: **not specified**

Development of DCS for the BM@N and MPD forward hadron calorimeters

Wednesday, 1 July 2020 17:09 (7 minutes)

Presenter: PETUKHOV, Oleg (Institute for Nuclear Research (INR)(INR))

Session Classification: Task 2.5: Development and construction of Zero Degree Calorimeters for NICA and CBM (INR RAS, NPI CAS) (Task leader: Fedor Guber, INR)

Contribution ID: 19

Type: **not specified**

Tests of radiation hardness of SiPM and scintillators

Wednesday, 1 July 2020 17:16 (7 minutes)

Presenter: MIKHAYLOV, Vasily (Nuclear Physics Institute CAS)

Session Classification: Task 2.5: Development and construction of Zero Degree Calorimeters for NICA and CBM (INR RAS, NPI CAS) (Task leader: Fedor Guber, INR)

Contribution ID: 20

Type: **not specified**

Carbon beam pipe for FHCAL and PSD

Wednesday, 1 July 2020 17:23 (7 minutes)

Presenter: CHUDOBA, Petr (Nuclear Physics Institute(ASCR))

Session Classification: Task 2.5: Development and construction of Zero Degree Calorimeters for NICA and CBM (INR RAS, NPI CAS) (Task leader: Fedor Guber, INR)

Contribution ID: 21

Type: **not specified**

Coordination and planning

Wednesday, 1 July 2020 15:45 (15 minutes)

Presenters: TARANENKO, Arkadiy (National Research Nuclear University MEPhI); SELYUZHENKOV, Ilya (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))

Session Classification: Task 2.3: Development of common software packages for simulation and data analysis, participation in physics performance studies(MEPhI, FAIR, JINR, Wigner RCP) (Task leader: Arkadiy Taranenko, MEPHI)