

# **HIE-EBIS workshop**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## **HIE-ISOLDE linac upgrade**

*Tuesday 16 October 2012 09:10 (20 minutes)*

**Presenter:** VOULOT, Didier (CERN)

Contribution ID: 2

Type: **not specified**

## **Present REX-ISOLDE charge breeder system.**

*Tuesday 16 October 2012 09:30 (30 minutes)*

**Presenter:** WENANDER, Fredrik John Carl (CERN)

Contribution ID: 3

Type: **not specified**

## **HIE-EBIS design parameters and prerequisite.**

*Tuesday 16 October 2012 10:00 (30 minutes)*

**Presenter:** SHORNIKOV, Andrey

Contribution ID: 4

Type: **not specified**

## The RHIC EBIS

*Tuesday 16 October 2012 10:45 (45 minutes)*

**Presenter:** Dr BEEBE, Edward (Brookhaven National Laboratory)

**Session Classification:** Facility talks (FT)

Contribution ID: 5

Type: **not specified**

## **The MSU ReA3 EBIS/T**

*Tuesday 16 October 2012 11:30 (45 minutes)*

**Presenter:** Dr SCHWARZ, Stefan (NSCL / MSU)

**Session Classification:** Facility talks (FT)

Contribution ID: 6

Type: **not specified**

## **EBITs at MPIK**

*Tuesday 16 October 2012 12:15 (45 minutes)*

**Presenter:** Dr CRESPO LÓPEZ-URRUTIA, José Ramón (MPIK)

**Session Classification:** Facility talks (FT)

Contribution ID: 7

Type: **not specified**

## **The LLNL Super-EBIT**

*Tuesday 16 October 2012 14:00 (35 minutes)*

**Presenter:** Dr MARRS, Ross (Lawrence Livermore National Laboratory)

**Session Classification:** Facility talks (FT)



Contribution ID: 8

Type: **not specified**

## Tokyo Super-EBIT

*Tuesday 16 October 2012 14:35 (35 minutes)*

**Presenter:** Prof. NAKAMURA, Nobuyuki (The University of Electro-Communications)

**Session Classification:** Facility talks (FT)

Contribution ID: 9

Type: **not specified**

## Advanced vacuum technologies

*Tuesday 16 October 2012 15:25 (20 minutes)*

**Presenter:** CHIGGIATO, Paolo (CERN)

**Session Classification:** Topical session I (TI)

Contribution ID: **10**

Type: **not specified**

## **Vacuum system and cryogenics in HD-type EBIT design.**

*Tuesday 16 October 2012 15:45 (15 minutes)*

**Presenter:** Dr CRESPO LÓPEZ-URRUTIA, José Ramón (MPIK)

**Session Classification:** Topical session I (TI)

Contribution ID: 11

Type: **not specified**

## **Cryogenics and vacuum at Tokyo Super-EBIT**

*Tuesday 16 October 2012 16:00 (15 minutes)*

**Presenter:** Prof. NAKAMURA, Nobuyuki (The University of Electro-Communications)

**Session Classification:** Topical session I (TI)

Contribution ID: 12

Type: **not specified**

## **Cryogenics and vacuum in DreEBIT EBITs**

*Tuesday 16 October 2012 16:15 (15 minutes)*

**Presenter:** Dr OVSYANNIKOV, Vladimir (on leave from DREEBIT)

**Session Classification:** Topical session I (TI)

Contribution ID: 13

Type: **not specified**

## **Low-contamination rare and exotic beams**

*Tuesday 16 October 2012 16:30 (15 minutes)*

**Presenter:** Dr KONDRASHEV, Sergey (ANL)

**Session Classification:** Topical session I (TI)

Contribution ID: 14

Type: **not specified**

## **Helmholtz+solenoid configuration at MSU EBIS**

*Wednesday 17 October 2012 09:00 (15 minutes)*

**Presenter:** Dr SCHWARZ, Stefan (NSCL / MSU)

**Session Classification:** Topical session II (TII)

Contribution ID: 15

Type: **not specified**

## **Ion-Ion cooling at high ionization factors**

*Wednesday 17 October 2012 09:15 (15 minutes)*

**Presenter:** Dr MARRS, Ross (Lawrence Livermore National Laboratory)

**Session Classification:** Topical session II (TII)



Contribution ID: 16

Type: **not specified**

## **Acceptance and emittance studies at RHIC EBIS**

*Wednesday 17 October 2012 09:30 (15 minutes)*

**Presenter:** Dr PIKIN, Alexander (Brookhaven National Laboratory)

**Session Classification:** Topical session II (TII)

Contribution ID: 17

Type: **not specified**

## **Acceptance and emittance studies at DreEBIT**

*Wednesday 17 October 2012 09:45 (15 minutes)*

**Presenter:** Dr OVSYANNIKOV, Vladimir (on leave DREEBIT)

**Session Classification:** Topical session II (TII)

Contribution ID: **18**

Type: **not specified**

## **Can 5 A, 150 keV, 20 kA/cm<sup>2</sup> be attained practically in a charge breeder?**

*Wednesday 17 October 2012 11:00 (20 minutes)*

**Presenter:** Prof. BECKER, Reinard (IAP, Uni Frankfurt)

**Session Classification:** Topical session III (TIII)

Contribution ID: 20

Type: **not specified**

## **Can the development from Dubna be applied for an effective high energy high current charge breeder?**

*Wednesday 17 October 2012 11:20 (20 minutes)*

**Presenter:** Dr DONETS, Evgeny (Joint Institute for Nuclear Research)

**Session Classification:** Topical session III (TIII)

Contribution ID: 21

Type: **not specified**

## High compression high current guns

*Wednesday 17 October 2012 11:40 (20 minutes)*

**Presenter:** Dr OVSYANNIKOV, Vladimir (on leave DreEBIT)

**Session Classification:** Topical session III (TIII)

Contribution ID: 22

Type: **not specified**

## **State-of-the-art high compression guns using BaW cathode**

*Wednesday 17 October 2012 13:15 (20 minutes)*

**Presenter:** Dr SCHWARZ, Stefan (NSCL / MSU)

**Session Classification:** Topical session III (TIII)

Contribution ID: 23

Type: **not specified**

## **Can the BNL EBIS current density be increased by a factor of 20? IrCe and LaB6 cathodes, high-current collector design, experience with large aperture drift tubes**

*Wednesday 17 October 2012 13:35 (25 minutes)*

**Presenter:** Dr PIKIN, Alexander (Brookhaven National Laboratory)

**Session Classification:** Topical session III (TIII)

Contribution ID: 24

Type: **not specified**

## What we have learned and our next steps

*Wednesday 17 October 2012 16:30 (15 minutes)*

**Presenter:** SHORNIKOV, Andrey

**Session Classification:** Summary and collaboration session (SCS)



Contribution ID: 25

Type: **not specified**

## **What can CERN / EU offer to the collaborators**

*Wednesday 17 October 2012 16:45 (5 minutes)*

**Presenter:** CATHERALL, Richard (CERN)

**Session Classification:** Summary and collaboration session (SCS)

Contribution ID: 26

Type: **not specified**

## Introduction

*Tuesday 16 October 2012 09:00 (10 minutes)*

**Presenters:** SHORNIKOV, Andrey; WENANDER, Fredrik John Carl (CERN)