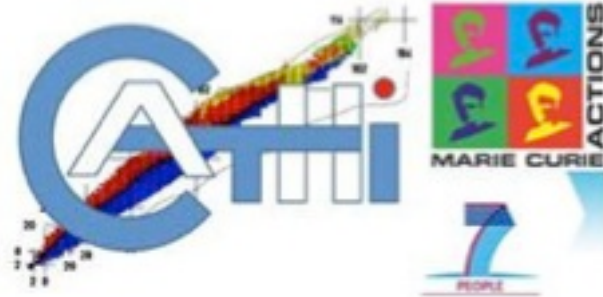


# CATHI Final Review Meeting



## Report of Contributions

Contribution ID: 0

Type: **not specified**

## **tst contribution**

**Presenter:** MORER-OLAFSEN, Merethe (CERN)

Contribution ID: 1

Type: **not specified**

## Welcome address

*Tuesday 23 September 2014 08:45 (10 minutes)*

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

**Session Classification:** Session 1: Overview

Contribution ID: 2

Type: **not specified**

## **European ITN programme feedback and future (TBC)**

**Presenter:** KADI, Yacine (CERN)

Contribution ID: 3

Type: **not specified**

## **SRF developments, problem solving and teamwork in the HIE-ISOLDE accelerating structures working group**

*Tuesday 23 September 2014 09:30 (20 minutes)*

**Presenter:** VENTURINI DELSOLARO, Walter (CERN)

**Session Classification:** Session 1: Overview

Contribution ID: 4

Type: **not specified**

## **An overview of the HIE-ISOLDE design study**

*Tuesday 23 September 2014 09:50 (20 minutes)*

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

**Session Classification:** Session 1: Overview

Contribution ID: 5

Type: **not specified**

## The CATHI project and HIE-ISOLDE

*Tuesday 23 September 2014 08:55 (35 minutes)*

European ITN programme feedback and future

**Presenters:** HEGARTY, Seamus (CERN); KADI, Yacine (CERN)

**Session Classification:** Session 1: Overview

Contribution ID: 6

Type: **not specified**

## Exploring the nuclear landscape with HIE-ISOLDE

*Tuesday 23 September 2014 10:10 (25 minutes)*

**Presenter:** GARCIA BORGE, Maria Jose (CERN)

**Session Classification:** Session 1: Overview



Contribution ID: 7

Type: **not specified**

## **HIE-ISOLDE installation progress**

*Tuesday 23 September 2014 11:00 (20 minutes)*

**Presenter:** SIESLING, Erwin (CERN)

**Session Classification:** Session 2: RF Cavities

Contribution ID: 8

Type: **not specified**

## Superconducting RF cavity review

*Tuesday 23 September 2014 11:20 (20 minutes)*

**Presenter:** BOUSSON, Sebastien (CNRS/IN2P3/IPN Orsay)

**Session Classification:** Session 2: RF Cavities

Contribution ID: 9

Type: **not specified**

## **The R&D on HIE-ISOLDE superconducting quarter-wave resonators**

*Tuesday 23 September 2014 11:40 (20 minutes)*

**Presenter:** ZHANG, Pei (CERN)

**Session Classification:** Session 2: RF Cavities

Contribution ID: **10**

Type: **not specified**

## **Niobium coatings for the HIE-ISOLDE superconducting accelerating cavities**

*Tuesday 23 September 2014 12:00 (20 minutes)*

**Presenter:** JECKLIN, Noemie Marie (CERN)

**Session Classification:** Session 2: RF Cavities

Contribution ID: 11

Type: **not specified**

## **Status of the HIE-ISOLDE high beta cryomodule assembly at CERN**

*Tuesday 23 September 2014 12:20 (20 minutes)*

**Presenter:** LECLERCQ, Yann (CERN)

**Session Classification:** Session 2: RF Cavities

Contribution ID: 12

Type: **not specified**

## **Beam instrumentation R&D in Europe and status of other ITN projects**

*Tuesday 23 September 2014 14:00 (25 minutes)*

**Presenter:** Prof. WELSCH, Carsten (Cockcroft Institute / University of Liverpool)

**Session Classification:** Session 3: Beam instrumentation & alignment

Contribution ID: 13

Type: **not specified**

## Beam diagnostics for HIE-ISOLDE

*Tuesday 23 September 2014 14:25 (40 minutes)*

**Presenters:** GARCIA SOSA, Alejandro (CERN); CANTERO, Esteban Daniel (CERN)

**Session Classification:** Session 3: Beam instrumentation & alignment

Contribution ID: 14

Type: **not specified**

## **Experimental tests of HIE-ISOLDE beam instrumentation (TBC)**

**Presenter:** CANTERO, Esteban Daniel (CERN)



Contribution ID: 15

Type: **not specified**

## **HIE-ISOLDE - MATHILDE system presentation**

*Tuesday 23 September 2014 15:05 (20 minutes)*

**Presenter:** KAUTZMANN, Guillaume (CERN)

**Session Classification:** Session 3: Beam instrumentation & alignment

Contribution ID: 16

Type: **not specified**

## **Integration study for HIE-ISOLDE: 3D modelling, data and documentation management**

*Tuesday 23 September 2014 15:25 (20 minutes)*

**Presenter:** ZOGRAFOS, Eleftherios (CERN)

**Session Classification:** Session 4: Integration & HEBT

Contribution ID: 17

Type: **not specified**

## **Overview of new high level software applications developed for the HIE-ISOLDE superconducting linac**

*Tuesday 23 September 2014 15:45 (20 minutes)*

**Presenter:** LANAIA, Davide (CERN)

**Session Classification:** Session 4: Integration & HEBT

Contribution ID: **18**

Type: **not specified**

## **New electronmagnets for HIE-ISOLDE: from conceptual design to magnetic compatibility studies**

*Tuesday 23 September 2014 16:05 (20 minutes)*

**Presenter:** FARANTATOS, Panagiotis (CERN)

**Session Classification:** Session 4: Integration & HEBT

Contribution ID: **19**

Type: **not specified**

## TSR@ISOLDE

*Tuesday 23 September 2014 16:45 (20 minutes)*

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

**Session Classification:** Session 5: HIE-ISOLDE Beam Dynamics

Contribution ID: 20

Type: **not specified**

## Brookhaven EBIS programme: Operation and development

*Tuesday 23 September 2014 17:05 (25 minutes)*

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

**Session Classification:** Session 5: HIE-ISOLDE Beam Dynamics

Contribution ID: 21

Type: **not specified**

## **Development progress of the charge breeder for HIE-ISOLDE and TSR@ISOLDE applications**

*Tuesday 23 September 2014 17:30 (20 minutes)*

**Presenter:** SHORNIKOV, Andrey (CERN)

**Session Classification:** Session 5: HIE-ISOLDE Beam Dynamics

Contribution ID: 22

Type: **not specified**

## **Beam dynamics design study for 10 MHz bunch frequency of post-accelerated RIBs at HIE-ISOLDE**

*Tuesday 23 September 2014 17:50 (20 minutes)*

**Presenter:** FRASER, Matthew Alexander (CERN)

**Session Classification:** Session 5: HIE-ISOLDE Beam Dynamics



Contribution ID: 23

Type: **not specified**

## Target voltage modulator development for the On-Line Isotope Mass Separator, ISOLDE

*Wednesday 24 September 2014 09:00 (25 minutes)*

**Presenter:** DOS SANTOS REDONDO, Luis Manuel (ISEL Instituto Superior de Engenharia de Lisboa-Unknown-Unknown)

**Session Classification:** Session 6: High Voltage and Front End

Contribution ID: 24

Type: **not specified**

## **A new modulator system for ISOLDE**

*Wednesday 24 September 2014 09:25 (20 minutes)*

**Presenter:** BARLOW, Roger Andrew (CERN)

**Session Classification:** Session 6: High Voltage and Front End

Contribution ID: 25

Type: **not specified**

## Technical studies for the HIE-ISOLDE frontend upgrade

*Wednesday 24 September 2014 09:45 (20 minutes)*

**Presenter:** MONTANO CARRIZALES, Jacobo Abraham (CERN)

**Session Classification:** Session 6: High Voltage and Front End

Contribution ID: 26

Type: **not specified**

## Automatic tuning of complex beam-lines

*Wednesday 24 September 2014 10:05 (20 minutes)*

**Presenter:** GILES, Tim (CERN)

**Session Classification:** Session 6: High Voltage and Front End

Contribution ID: 27

Type: **not specified**

## **A multi-reflectron Time-of-Flight mass spectrometer**

*Wednesday 24 September 2014 10:50 (20 minutes)*

**Presenter:** BREITENFELDT, Martin (Katholieke Universiteit Leuven (BE))

**Session Classification:** Session 7: High resolution

Contribution ID: 28

Type: **not specified**

## **Design study for a new high resolution separator at ISOLDE**

*Wednesday 24 September 2014 11:10 (20 minutes)*

**Presenter:** AUGUSTIN, Mathieu (CERN)

**Session Classification:** Session 7: High resolution

Contribution ID: 29

Type: **not specified**

## **Low level control for the HIE-ISOLDE high resolution separator magnet**

*Wednesday 24 September 2014 11:30 (20 minutes)*

**Presenter:** BUTCHER, Mark (CERN)

**Session Classification:** Session 7: High resolution

Contribution ID: 30

Type: **not specified**

## **Improvements and future developments for the radio frequency quadrupole cooler and buncher at ISOLDE**

*Wednesday 24 September 2014 11:50 (20 minutes)*

**Presenter:** BABCOCK, Carla (CERN)

**Session Classification:** Session 7: High resolution



Contribution ID: 31

Type: **not specified**

## **The ESS superconducting radio-frequency linac activities and implementation**

*Thursday 25 September 2014 09:00 (25 minutes)*

**Presenter:** Dr DARVE, Christine (European Spallation Source)

**Session Classification:** Session 8: Facilities

Contribution ID: 32

Type: **not specified**

## **RIB at TRIUMF: From ISAC to ARIEL**

*Thursday 25 September 2014 09:25 (35 minutes)*

**Presenter:** MORTON, Colin (TRIUMF)

**Session Classification:** Session 8: Facilities

Contribution ID: 33

Type: **not specified**

## **SPES: A being built exotic beam facility at INFN-LNL**

*Thursday 25 September 2014 10:00 (25 minutes)*

**Presenter:** BISOFFI, Giovanni

**Session Classification:** Session 8: Facilities

Contribution ID: 34

Type: **not specified**

## **ECOS-LINCE: A proposal for a high-intensity stablebeam facility for nuclear structure and reactions**

*Thursday 25 September 2014 10:25 (25 minutes)*

**Presenter:** MARTEL BRAVO, Ismael

**Session Classification:** Session 8: Facilities

Contribution ID: 35

Type: **not specified**

## Overview of ISOL facility at RISP

*Thursday 25 September 2014 10:50 (25 minutes)*

**Presenter:** Dr WOO, Hyung-Joo

**Session Classification:** Session 8: Facilities

Contribution ID: 36

Type: **not specified**

## **The SPIRAL 2 - GANIL facility: the technical developments made for the highly intensive radioactive ion beams from ISOL production**

*Thursday 25 September 2014 11:30 (25 minutes)*

**Presenter:** Dr FRANBERG-DELAHAYE, Hanna (Grand Accélérateur National d'Ions Lourds (GANIL))

**Session Classification:** Session 8: Facilities

Contribution ID: 37

Type: **not specified**

## **CERN-MEDICIS: A new facility**

*Thursday 25 September 2014 11:55 (25 minutes)*

**Presenters:** MARZARI, Stefano (CERN); STORA, Thierry (CERN)

**Session Classification:** Session 8: Facilities

Contribution ID: 38

Type: **not specified**

## The ISOL@MYRRHA Project

*Thursday 25 September 2014 12:20 (25 minutes)*

**Presenter:** POPESCU, Lucia (Belgian Nuclear Research Center (BE))

**Session Classification:** Session 8: Facilities



Contribution ID: 39

Type: **not specified**

## Extending the scope of the ISOLDE Laser Ion Source

*Thursday 25 September 2014 14:10 (25 minutes)*

**Presenter:** ROTHE, Sebastian (CERN)

**Session Classification:** Session 9: Infrastructure

Contribution ID: 40

Type: **not specified**

## Target area infrastructure, cooling and ventilation

*Thursday 25 September 2014 14:35 (20 minutes)*

**Presenters:** BERNARDES, Ana-Paula (CERN); POLATO, Andrea (CERN)

**Session Classification:** Session 9: Infrastructure

Contribution ID: 41

Type: **not specified**

## **Radiation related estimations near ISOLDE tunnel with FLUKA**

*Thursday 25 September 2014 14:55 (20 minutes)*

**Presenter:** MOREJON, Leonel (CERN)

**Session Classification:** Session 9: Infrastructure

Contribution ID: 42

Type: **not specified**

## **ISOLDE HRS and GPS dumps: Evaluation of present and future operation**

*Thursday 25 September 2014 15:15 (20 minutes)*

**Presenter:** VENTURI, Valentina (CERN)

**Session Classification:** Session 9: Infrastructure

Contribution ID: 43

Type: **not specified**

## **Recent results on the development for the SPES target-ion source complex**

*Thursday 25 September 2014 16:00 (25 minutes)*

**Presenter:** ANDRIGHETTO, alberto (INFN-LNL)

**Session Classification:** Session 10: Targets

Contribution ID: 44

Type: **not specified**

## Target unit design study

*Thursday 25 September 2014 16:25 (20 minutes)*

**Presenter:** MARZARI, Stefano (CERN)

**Session Classification:** Session 10: Targets

Contribution ID: 45

Type: **not specified**

## **Study of prototype refractory ceramics (SiC and Al<sub>2</sub>O<sub>3</sub>) with open unidirectional porosity**

*Thursday 25 September 2014 16:45 (20 minutes)*

**Presenter:** CZAPSKI, Michal Adam (CERN)

**Session Classification:** Session 10: Targets

Contribution ID: 46

Type: **not specified**

## **Radiation protection study for the HIE-ISOLDE project**

*Friday 26 September 2014 09:00 (20 minutes)*

**Presenter:** VOLLAIRE, Joachim (CERN)

**Session Classification:** Session 11: Safety



Contribution ID: 47

Type: **not specified**

## **WP Vacuum Target areas and class A labs**

*Friday 26 September 2014 09:20 (20 minutes)*

**Presenter:** DORSIVAL, Alexandre (CERN)

**Session Classification:** Session 11: Safety

Contribution ID: 48

Type: **not specified**

## Evaluation of a potential explosive front end

*Friday 26 September 2014 09:40 (20 minutes)*

**Presenter:** BERNARDES, Ana-Paula (CERN)

**Session Classification:** Session 11: Safety