

# **HIE-ISOLDE Spectrometer Workshop**

Thursday, 10 March 2011 - Friday, 11 March 2011

Lund University

## **Book of Abstracts**



# Contents

Welcome . . . . .	1
HIE-ISOLDE technical aspects . . . . .	1
Floor plans, infrastructure & logistics for HIE-ISOLDE . . . . .	1
Beams available at HIE-ISOLDE . . . . .	1
Demands from experiments for a spectrometer at HIE-ISOLDE . . . . .	1
Requirements for zero-degree ion selection in transfer . . . . .	1
From VAMOS to VAMOS++ . . . . .	1
The electromagnetic mass analyzer, EMMA . . . . .	2
The recoil mass spectrometer MARA at JYFL . . . . .	2
The tracking spectrometer PRISMA coupled to the Ge-arrays CLARA and AGATA . . . . .	2
Nuclear structure research at RITU . . . . .	2
RDDS measurements at RITU and prospects at HIE-ISOLDE . . . . .	2
Possible use of a recoil separator in conjunction with HELIOS at HIE-ISOLDE . . . . .	2
In beam spectroscopy at HIE-ISOLDE . . . . .	3
Simulations for a future spectrometer at HIE-ISOLDE . . . . .	3
Summary . . . . .	3



10

## **Welcome**

**Corresponding Author:** [yorick.blumenfeld@cern.ch](mailto:yorick.blumenfeld@cern.ch)

11

## **HIE-ISOLDE technical aspects**

**Corresponding Author:** [matteo.pasini@cern.ch](mailto:matteo.pasini@cern.ch)

12

## **Floor plans, infrastructure & logistics for HIE-ISOLDE**

**Corresponding Author:** [erwin.siesling@cern.ch](mailto:erwin.siesling@cern.ch)

13

## **Beams available at HIE-ISOLDE**

**Corresponding Author:** [thierry.stora@cern.ch](mailto:thierry.stora@cern.ch)

14

## **Demands from experiments for a spectrometer at HIE-ISOLDE**

**Corresponding Author:** [thorsten.kroell@cern.ch](mailto:thorsten.kroell@cern.ch)

15

## **Requirements for zero-degree ion selection in transfer**

**Corresponding Author:** [w.catford@surrey.ac.uk](mailto:w.catford@surrey.ac.uk)

16

## **From VAMOS to VAMOS++**

**Corresponding Author:** mrejmund@ganil.fr

17

## **The electromagnetic mass analyzer, EMMA**

**Corresponding Author:** davids@triumf.ca

18

## **The recoil mass spectrometer MARA at JYFL**

**Corresponding Author:** jan.saren@jyu.fi

19

## **The tracking spectrometer PRISMA coupled to the Ge-arrays CLARA and AGATA**

20

## **Nuclear structure research at RITU**

**Corresponding Author:** juha.uusitalo@jyu.fi

21

## **RDDS measurements at RITU and prospects at HIE-ISOLDE**

**Corresponding Author:** tuomas.grahn@jyu.fi

22

## **Possible use of a recoil separator in conjunction with HELIOS at HIE-ISOLDE**

**Corresponding Author:** kay@phy.anl.gov

23

## **In beam spectroscopy at HIE-ISOLDE**

**Corresponding Author:** janne.pakarinen@cern.ch

24

## **Simulations for a future spectrometer at HIE-ISOLDE**

**Corresponding Author:** gry.tveten@cern.ch

25

## **Summary**

**Corresponding Author:** thorsten.kroell@cern.ch