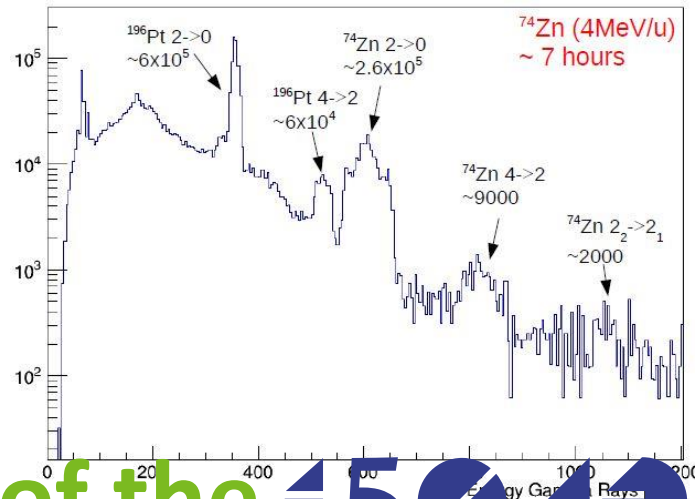
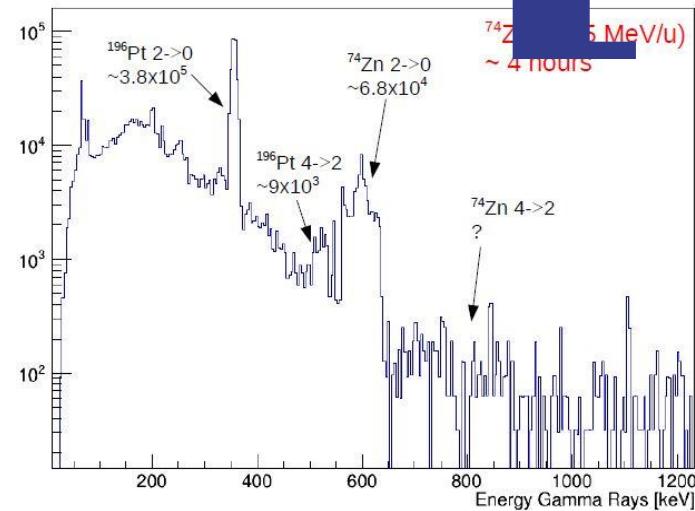


Comparison between 4 MeV/u and 2.85 MeV/u ^{74}Zn coulex on a ^{196}Pt target



News of the ISOLDE Group



Courtesy of M. Huyse
on behalf of IS557

Maria J. G. Borge

10th November 2015



Outline

- Fellows Associates and students
- Courses and workshops during 2015
- 2nd and 3rd beam lines for HIE-ISOLDE
- ENSAR 2
- EURISOL DF
- Financial situation of the collaboration
- Status & New members

Fellows, Associates & Students

- Coordinator: **Karl Johnson** from 1st of October 2015
- Associates (13th September)
 - Haraldur Palle Gunnlaugsson, Feb2015-Jan2016
 - Giacomo de Angelis, Oct2015-April2016
 - Olivier Sorlin, Feb2016-August2016
- Corresponding Associates (13th September)
 - Janne Pakarinen, July-Dec 2015
 - Ismael Martel, Sept-Nov 2015
- Fellows: (2th of September 2015)
 - ✓ Stephan Ettenbauer (June 2014 – Jan 2017, COLLAPS, Polarisation beams)
 - ✓ Kara Lynch (Jan 2015 – Dec 2017)
 - ✓ Miguel Madurga (June 2014 – May 2016) (Nuclear structure)
 - ✓ Akira Miyazaki (June 2014- May 2016, SC cavities)
 - ✓ Torben E. Molholt (Feb 2015 – Jan2017) (Applied Sciences)
- Doctoral student:
 - ✓ Doctoral Student CERN for IDS: Razvan Lica (Sep2014 – August 2017)
 - ✓ Doctoral Program with Greece for life sciences (50% GR, 33% CERN,13% Madga's ERC)
 - Stavroula Pallada (March 2014 - Feb 2017), Biophysics
 - ✓ Doctoral Program with Germany
 - Andree Werkens (feb 2015-Jan2018) ISOLTRAP
- User support: Jennifer Weterings (50% Col + 50% PH) → Indefinite contract with the University of Oslo , signed.

Courses / Workshops / News

Courses

- Separator courses 23th - 27th of November 2015

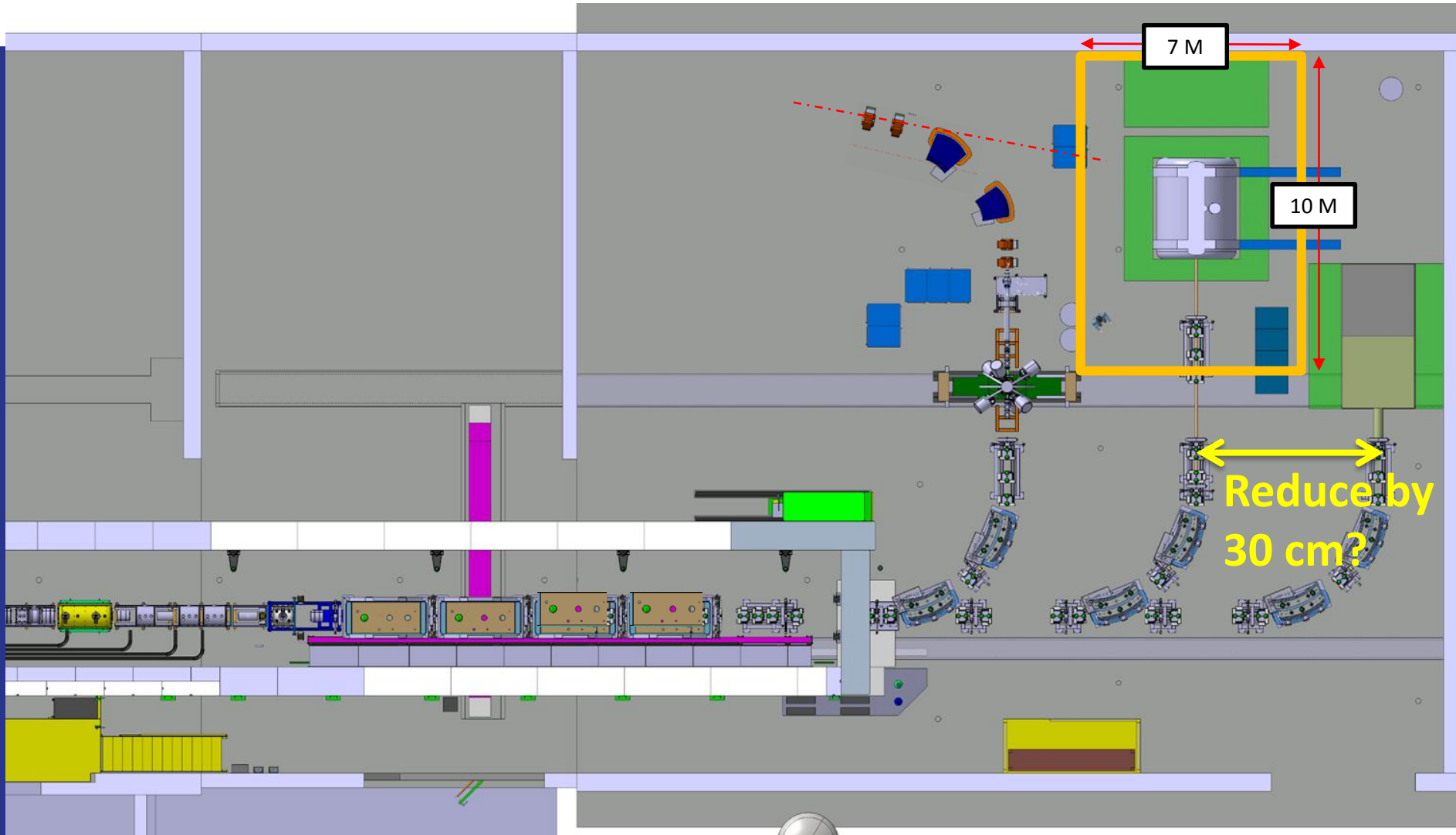
Workshop & conferences

- Next ISOLDE Workshop: 2-4 December 2015
- Coulex school the 27th-29th of January 2016

ENSAR 2

- ✓ Possible start 1st of December, latest 1st of January

Hall with HELIOS and TRIM μ (73rd ISCC meeting)



- compatible with TRImuP@KVI-CAR on XT01 and Miniball in open position

Can we get 3rd beam line closer to 2nd by 30 cm? & Integration of HELIOS

- This is a request from the ISOLDE Collaboration to the HIE-ISOLDE project **which has not been agreed upon yet.**
- final optics simulation => **Action on M. Fraser, It is Ok**
- Shielding around HELIOS needed or not ? => **Action on the ISOLDE Collaboration**
- Final integration => **Action on EN/MEF**

- After we will know exactly how HELIOS will be integrated we will know whether or not there is a need to displace the XT03 line.

- Such a change will have to be motivated and approved accordingly, that is through an Engineering Change Request (ECR) since the XT03 is already installed and is part of the Machine.

Towards EURISOL-DF

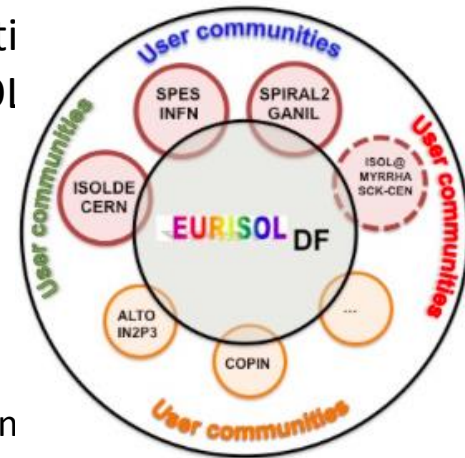
EURISOL DF is a necessary intermediate and ambitious step for the scientific and technical aspects towards EURISOL

Goals of EURISOL-DF

- Prepare a strong physics case for RIB science and applications
- Support, upgrade, optimize and coordinate European ISOL towards EURISOL
- Get EURISOL-DF on the ESFRI List as candidate project

To prepare the case for Europe 5 working groups are created

- **WG1 Science and Application:** Coordinator R. Raabe
 - Yorick Blumenfeld (Nuclear Physics) & Thierry Stora (application)
- **WG2 Acceleration:** Coordinator Alberto Facco
 - Fredrik Wenander / Alberto Rodriguez
- **WG3 Beam Handling** Coordinator M Borge. We met the 17th of September.
- **WG4 Spectrometers and Detectors** Coordinator: Herve Savajols
 - Tim Giles & Magda Kowalska
- **WG5 EURISOL-DF Relationships and Legal Structure** coordinator Angela Bracco
 - M Borge



Timeline: First meeting working Group in September 2015

Text ready for June 2016



Collaboration Matters

Members & status

- South Africa has signed to become member in 2015.
- Slovakia Minister of Sciences has signed the MoU to be member from 2016.
- **Bulgaria** has agreed with the ISOLDE-MoU & Sergio Bertolucci has signed the 21st of March 2014,
Expected to sign by Bulgaria before the end of this year.
- Poland submitted an application in September 2015.
- Problems with India and Greece contributions.
- Ireland pending that they will ask to become associate

Income of the collaboration

● Outstanding fee

● 2012 Greece

● 2013 Greece, India, Ireland

● 2014 Greece, India, Ireland

} Spain (2013+2014-
15KCHF)

Payments 2015

● Belgium, CERN, Denmark, Germany, Italy, Norway, Romania, Sweden, UK

● Balance: **575376.30 CHF**

● Future commitments:

- Starting loan reimbursement 140000 CHF/year (2016-2020)
- Continue paying HIE-ISOLDE at the rate of 400000 CHF/y

Renewal of MoU

- We have the MoU valid until december 2016
- We need signature.
- For some Countries the signature are difficult to get and take time
- PROPOSAL → An amendment to the MoU in point 3.1 and 3.2
- To allow for automatic renewal
- This change requires 2 levels:
 - 1. ISCC agrees to the change
 - 2. Agreement of the Parties by signing the new version