

Status of collaboration & agreements

Proposed Agenda:

- 1) TSR@ISOLDE Collaboration**
- 2) Planning**
- 3) Working groups**
- 4) Next steps**

Collaboration Board (admin)

Spokesperson

Klaus Blaum

Deputy Spokesperson

Riccardo Raabe

Deputy Spokesperson

Phil Woods

Physics Coordinator

Peter Butler

Deputy Physics Coordinator

Yuri A. Litvinov

TSR Technical Coordinator

Manfred Grieser

ISOLDE Technical Coordinator

Erwin Siesling

ISOLDE Contact Person

Yorick Blumenfeld/Maria Borge

HIE-ISOLDE Contact Person

Fredrik Wenander

Collaboration Board (physics)

Reaction Experiments

Atomic Physics Experiments

Astrophysics Experiments

Neutrino Experiments

Atomic Effects on Nuclear Lifetimes

Isomeric Beam Experiments

Dielectronic Recombination
on Exotic Nuclei

Laser Spectroscopy

Peter Egelhof & Dennis Mücher

Daniel Savin & Stefan Schippers

Shawn Bishop & Rene Reifarth

Thierry Stora & Cristina Volpe

Fritz Bosch & Takayuki Yamaguchi

George Dracoulis & Phil Walker

Carsten Brandau & Andreas Wolf

Kieran Flanagan & tba.

Any need to increase visibility and to invite more members?

Any need for an official webpage?

A few key experiments defined and numbers fixed by this workshop!

2) Planning

2015

2016

2017

~~2014~~

~~2015~~

~~2016~~

Installation of TSR@ISOLDE

	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Funding												
Building construction work		■	■									
Building infrastructure				■	■							
disassembly of TSR at MPIK					■	■						
Transport to CERN						■	■					
Assembly of TSR@ISOLDE							■	■	■			
Power and Electronics								■	■	■		
Begin Commissioning											■	

→ TSR@ISOLDE might become part of the MTP 2015-2018?

3) Working groups

Working Group	Participating Institutions
Electron Cooler / Electron Target	MPIK / Uni Giessen / CERN
Gas Target	MPIK / Uni Frankfurt / UK Universities
Diagnostics	MPIK / GSI
Setup & Commissioning	MPIK / CERN
Control System	CERN
Particle Detectors	TU Darmstadt / TU Munich / GSI / KU Leuven / UK Universities
EBIT/S & Injection / Extraction	MPIK / CERN

→ Work needs to be done concerning targets, detectors, diagnostics, EBIT, ...

→ Identify flagship experiments ...

Working Groups I

Technical Team

- Electron cooler / electron target
- Control System
- Setup & Commissioning
- EBIT/S & Injection/Extraction
- Diagnostics

Working Groups II

In-ring decay experiments (i) Be – 7: Yuri Litvinov

(ii) breakup: Ricardo Raabe

In-ring nuclear reactions: Phil Woods

Gas target

External Spectrometers: Sean Freeman

Laser spectroscopy (nuclear structure): Kieran Flanagan

Atomic physics: Stefan Schippers

Isomer studies: Phil Walker

Neutrino physics: Thiery Stora

4) Funding issues

UK funding application → In 3rd Selection Phase

Leuven → 150kEuros

Lund → Gas filled target

Aarhus → Planning to contribute

India → discussions ongoing