

Concluding remarks

SPES



Selective Production of Exotic Species

- [SPES Study Group](#)
- [SPES Steering Committee](#)



DOCUMENTS

- [Project Study - June 1999](#)
- [Technical Design Report - June 2002](#)
- [Technical Design Report - July 2007](#)
- [Technical Design Report - 2008](#)
- [Executive Summary 2008](#)

- [SPES-BNCT](#)

SPES

24 LOIs, 22 presented

Dynamics: 10

γ -Spectroscopy: 13 (Coulomb excitation 6)

Batch-mode: 1

HIE-ISOLDE: 34 LOIs

Coulex + transfer 13+16 = 29

TDRs are usually “books of dreams”

All proposals appear instead to be feasible with the available RIBs at SPES.

About 2/3 of the LOIs have been presented by senior researchers, 1/3 by “young” researchers

This may reflect the difficult situation as regards openings for young people

GOOD!

Theorists are involved in several LOIs

Exoticity of nuclei beyond doubly magic ^{132}Sn

^{124}Sn (stable)	^{136}Te	^{137}Te	^{134}Sb	^{135}Sb	^{136}Sb	^{134}Sn	$^{135}\text{Sn}^*$	$^{136}\text{Sn}^*$	
Z	50	52	52	51	51	51	50	50	50
N	74	84	85	83	84	85	84	85	86
N/Z	1.48	1.61	1.63	1.63	1.65	1.67	1.68	1.70	1.72

* Unknown

Exoticity is not the only figure of merit!

Close collaboration between experimentalists and theorists is required to figure out what is the most interesting physics to be done with available RIBs.

The SPES project has to be seen in the European context:

coordination with HIE-ISOLDE and SPIRAL2

 EURISOL

**This Workshop is also meant to be the first step
in this direction!**