

# Difficult beams accepted in 2014

(updated since last meeting)

Exp/ prop	INTC	beam	setup	comments	RILIS
IS532	Feb-14	Sc	ISOLTRA P	Yield increase x400 by RILIS is a very rough estimate. To be checked in off-line test. Slow release of Sc from Nb target was reported by TRIUMF. Online TISD required.	No Sc isotopes released from UC target and mass marker
IS456	Feb-14	Po-	Windmill	LIST improvement is needed	
IS537	Feb-14	Hf	IDS?	Vadis, possible – to be put in GUI	
I-157	Jun-14	221, 223At	IDS	Negative ion source should be tested 1 <sup>st</sup> : (can provide very pure beams and is also requested by an accepted LOI). Or RILIS + quartz line – development needed	
IS575	Jun-14	Br	NICOLE	negative ion source	
IS595	Nov-14	132Sn	Miniball	check that contaMINATION is not too high for REX	RILIS + LIST or low-work function to test?
IS596	Nov-14	136Te	Miniball	TISD: Ucx+LIST+n-conv+RILIS	Development possible
IS597	Nov-14	72Se	Miniball	Test with REX-trap needed	Difficult / No

# Difficult beams accepted in 2015

Exp/ prop	INTC	beam	setup	comments	RILIS
IS516	Feb-15	118Te	Miniball	TISD: CeO-VD5 as TeO	
IS478	Feb-15	72Kr	Miniball	done with YO, NaZr could give significant improvement	
IS482	Feb-15	30Na	Miniball	good yield with nanoUC+Re, but not when they were scheduled	
IS532	Feb-15	55Ca	ISOLTRAP		
P-432	Feb-15	10C	LA1		

## Older challenging beams - possible in 2015

yield	Yield ?	purit y	Yield/ purity	Yield?	Yield/ purity	Yield/ purity	Yield/ purity	Yield/ purity	purity
Cl-	At-, Po-	56Co	114-118Ba	150-152Cs	76-79Cu	121-136Sn	N-rich Tl, Pb	211-212Po 211-213Tl	46-48Ar
? Neg ions	UC, neg ions	ZrO	LaC	UC	UC-conv	UC-conv	UC-LIST-quartz	UC-LIST-quartz	UC-CP

Negative ions

Finally not scheduled in 2014, VADLIS an option?

Development done, To run in 2 weeks

Finally not scheduled in 2014

Finally not scheduled in 2014

Schedule in December