



The Group for the Upgrade of ISOLDE

Target R&D – Facility Development

TISD: Target Ion Source and Development

Target	Beam	Isotopes	Experiment	Time needed	Comments	Online	Offline	Responsible	User Exp. Contact	Status
Negative ion sources	Halogen et al.	Various	TISD		Development and comparison of negative ion sources		X	Menna	—	Underway 2015
various	various	various	TISD		temperature controlled transfer	X	X	Stora	—	Stand-by
neutron converter	fissions (Cd, Zn, Cu, etc)	n-rich	several		Beam purity/intensity	X	X	R. Luis		Underway 2016
Ni		48Mn	TISD							

ZrO/Y2O3/RIL IS		60Zn	TISD (P448)	Miniball		Investigate impurities					
	Sc	45- 54Sc	TISD	COLLAP S & CRIS							
Molten La, nanoLaCx		101,102 Sn	TISD (P456)			IS613 shifts pending					
UCx, SiC, Ti, nanoTiC		24,25Al	TISD (P464)			Intensity					

Last update: June 30, 2016 - [TS](#)