

NATIONAL UNIVERSITY OF SINGAPORE

<b>Activity-Based Risk Assessment Form</b>			
Name of Department	Physics	Location of Lab	S7-01-07
Name of Laboratory	Van De Graaff Lab	Name of PI	Assoc Prof Thomas Osipowicz
Name of Researcher/LO	T. K. Chan, Mallikarjuna Rao Motapothula, T.Osipowicz	Name of Activity/Experiment	90 degrees chamber / High-resolution RBS

No	Description/Details of Steps in Activity	Hazards	Possible Accident / Ill Health & Persons-at-Risk	Existing Risk Control (Mitigation)	Severity	Likelihood (Probability)	Risk Level	Additional Risk Control	Person Responsible	By (Date)
1	Load sample into scattering chamber	The HRBS endstation is a fully integrated product purchased from vendor. All electrical systems are properly insulated. Engineering of various parts are well done, rigidly held to avoid any accident. Periodic maintenance checks are performed for all components. Water circulation provided for cooling of Spectrometer magnet to prevent overheating and hot surfaces. No significant risks to users.					0			
2	Adjusting beam into chamber						0			
3	Measurement of RBS spectra						0			
4	Remove sample from chamber						0			
5	Switch off the beam at the accelerator						0			

**Conducted By** T. K. Chan, Mallikarjuna Rao Motapothula, T. Osipowicz

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**Approved By**

Name Assoc Prof Thomas Osipowicz

Signature \_\_\_\_\_

Approval date 1/11/2011

Next Revision date (Maximum 3 years) 1/11/2014