

Project Risk ID	Title	Summary	Mitigation	Post Mitigation
RT-131-ND-077	DR8 Kapton Cost & Delivery	IF the vendor for the DR8 Kapton cannot schedule the custom run, THEN there could be cost and schedule impact OR an alternative solution would need to be investigated	Alternative resistive material investigation	High 67% 4 mo, \$xx Negligible
RT-131-ND-080	Fluid Flow across the module	If the LAr fluid flow within a module is insufficient to cool the power density of the electronics then there could be impact on electric field, noise or redesign of electronics	1. CFD Fluid flow analysis completed by E. Voirin @ FNAL - shows good thermalization and flow - running final study 2. Test with the 2 x 2 - compare liquid levels, see heat build out near readout. temperature sensors. 3. Could CSU set up a dummy test with field cage mock up and resistors? 4. Test full scale demonstrator	High 67% 4 mo, \$0 Significantly Substandard
RT-131-ND-081	Simulation Staffing Limitations	IF additional resources for simulation and reconstruction development cannot be identified, then risks SIM-002 and SIM-003 and dependencies will be realized.	Recruit additional developers	High 60% 6 mo, \$0 Significantly Substandard
RT-131-ND-084	Single module instability	IF a single module has instabilities THEN single module data shall be corrupted	-Robust design avoiding risks for sparking -Full-scale demonstrator testing -MIF Testing	High 50% 3 mo, \$500k Extremely Substandard