

## SNS Team Weekly Status Report J-Lab Activities

**Week ending 01/30/2004:**

### **Cavity Testing in VTA**

Cavity ID	Spec.	VTA Result	P/F
none			

The HPR pump failures have inhibited cavity and subsequent string production. A remanufactured pump has been installed into the HPR cabinet, and several modifications have been made to the cabinet. These include providing pump / motor alignment, adding a flexible motor coupling, providing flexible water inlet and outlet lines to the pump, providing a rigid pump and motor mounting structure, reconfiguration of the water inlet to minimize pressure drop, and pump temperature monitoring equipment. This has enabled the pump to run without overheating or excessive vibration for approximately 40 hours. Since the system particle count has now dropped to an acceptable level, production of high beta cavities has resumed. Two cavities will be processed and tested this week and assuming acceptable results are achieved, string production will begin on Monday 2/9/2004.

### **Cryomodule M-1, M-2, M-3, M-4, M-5, M-6**

M-1, M-2, M-3, M-4, M-5, and M-6 are in the tunnel in Oak Ridge.

### **Cryomodule M-7**

Cryomodule M-7 end can leak is yet to be repaired. This cryomodule will not now be tested until after M-8.

### **Cryomodule M-8**

M-8 is scheduled to move from the assembly rail on Thursday 2/5/2004.

### **Cryomodule M-9**

String M-9 has been moved to the south rail in the assembly area. It has received its MLI and is getting the 1/4" lines welded.