

SPIRE/PACS (CEA-SBT)	Monthly Report – March 2003	Date: April 3 rd , 2003
--------------------------------	------------------------------------	---

Work Package: Cooler

SPIRE-SBT-REP-001598

1. Subsystem Progress Since Project Inception		
Detailed design of the coolers (CQM, STM, PFM & FS) done. Manufacturing of 2 CQM + 2 STM done. Manufacturing of new large test cryostat done (“standard” test cryostat available). Product Assurance plan implemented. STM units delivered.		
2. Subsystem Progress This Month		
- CQM units : PACS unit fully mounted. Integrated in test cryostat. First set of thermal tests to follow. SPIRE unit is next (still awaiting for decision on Kevlar string)		
- Heat switches : completed. Thermal tests successfully performed.		
- Kevlar characterisation campaign and Tensiometer : First tensiometer prototype validated. Mock up of suspension system (pump side) available : has already been used to study resonant frequency versus tension – see MoM of Kevlar Summit. Campaign continue.		
3. Problem Areas		Remedial Action
Peculiar behaviour of Kevlar		Under investigation
4. Engineering Activities		
Tensiometer		
5. Design Changes		
6. PA/QA Activities		
General QA management.		
7. Subsystem Management Issues		
None		
8. Actions Requiring Immediate Attention		
SBT documents approval by SPIRE and PACS projects		
9. Status of Previous Actions		
None		
10. Activities Yet to be Achieved		
11. Milestones		Status
Winter 00-01	Coolers Detailed Design	Completed
May 17 th 2001	Coolers DDR (PACS & SPIRE)	Completed
June 26 th 2001	Subcontractor selection for machining	Completed
October 2001	Parts Delivery	Completed
Nov/Dec 2001	CQM Coolers assembling	In progress
Nov/Dec 2001	STM Coolers Assembling and Vtest	Completed
Nov. 2002	STM Coolers delivery	Completed
Winter 02	CQM Coolers Qualification	In progress
Early 2003	CQM Coolers Delivery	TBD
12. Schedule Changes		