

SPIRE/PACS (CEA-SBT)	Monthly Report – October 2003	Date: October 31 st , 2003
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Work Package: Cooler

SPIRE-SBT-REP-001876

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. CQM units : SPIRE delivered – PACS : last thermal tests on going.		
2. Subsystem Progress This Month		
<ul style="list-style-type: none"> - CQM PACS : Last set of tests (operation without heat switch) confirms problem of extra parasitic is due to heat switch + strap. CQM unit now reseted to nominal : final thermal check before delivery on going. - Kevlar characterisation campaign : On going (new set of tests with dummy suspension system) – New tensioning procedure available soon. - FM fabrication phase review : board decision. Manufacturing of FM/FS can be initiated. 		
3. Problem Areas		Remedial Action
Heat switch + strap (parasitic load)		Under investigation
4. Engineering Activities		
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
Spring 2003	CQM Coolers assembling	Completed
Nov/Dec 2001	STM Coolers Assembling and Vtest	Completed
Nov. 2002	STM Coolers delivery	Completed
Spring 2003	CQM Coolers Qualification	Completed for SPIRE and PACS. Additional investigation with PACS CQM
Autumn 2003	CQM Coolers Delivery	Completed for SPIRE
12. Schedule Changes		