

SPIRE/PACS (CEA-SBT)	Monthly Report – April 2003	Date: May 5 th , 2003
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Work Package: Cooler

SPIRE-SBT-REP-001642

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 assembled		
2. Subsystem Progress This Month		
<p>- CQM units : First thermal tests campaign on PACS unit performed. Cooler works pretty much as expected – need further testing. Some straps tuning required. Cooler removed from cryostat and demounted to make modifications on heat switches interface according to ECRs issued by SPIRE and PACS.</p> <p>PACS CQM unit re-assembled : new test campaign to begin in the next days. SPIRE unit is next (still awaiting for decision on Kevlar string).</p> <p>- Heat switches : M3 interface (level 0 strap) modified and replaced by 4 mm thru holes with counter flange.</p> <p>- Kevlar characterisation campaign and Tensiometer : On going.</p>		
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
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	In progress
Autumn 2003	CQM Coolers Delivery	TB
12. Schedule Changes		