

DRAFT DØ RUN IIb CHANGE REQUEST

1) DATE: 10-31-03	2) WBS NUMBER: 1.2.8 AFEII/TRIP Upgrade	3) ORIGINATOR: V. O'Dell
4) TITLE OF CR & MASTER LOG NUMBER:		
5) WBS DESCRIPTION OF PRIMARY AFFECTED TASKS:		
<u>WBS #</u>	<u>Task</u>	<u>Old dates</u> <u>New dates</u>
1.2.8	AFEII/TRiP chip upgrade	new subproject
6) TECHNICAL DESCRIPTION AND PRIMARY MOTIVATION OF CHANGE (technical, cost, schedule, or other; include interfaces with other areas and use attachments, as necessary):		
<p>A sub-project designed to enhance the Central Fiber Tracker triggering and readout capability, the AFEII/TRiP upgrade (WBS 1.2.8), is being added. This upgrade is needed in order to augment the overall tracking capability in light of the Laboratory's decision to cancel the silicon upgrade, particularly as the luminosity increases. It will improve signal to noise in the readout, thus improving tracking and track trigger efficiency, and provide z-information of the tracks. It represents a more robust, simplified version of the AFE readout system.</p>		
7) ASSESSMENT OF COST IMPACT:		
	-----Before CR-----	-----After CR-----
<u>WBS</u>	<u>DOE MIE</u> <u>Contingency</u>	<u>DOE MIE</u> <u>Contingency</u>
	-----Delta (+/-)-----	Total Cost Increases*
	<u>DOE MIE</u> <u>Contingency</u>	<u>DOE MIE</u> <u>Contingency</u>
1.2.8	0 0	\$1.5M \$0.7M
	\$1.5M	\$0.7M \$2.2M
Run IIb Budget Officer Concurrence _____ Initial / Date Input to Cost Estimate Complete _____ Initial		
8) ASSESSMENT OF SCHEDULE IMPACT AND LIST OF AFFECTED MILESTONES. ATTACH ADDITIONAL PAGES AS NECESSARY:		
<u>Milestone</u>	<u>Description</u>	---Before CR---After CR---Delta (+/-)---
		<u>Date</u> <u>Date</u>
D-Zero 1.5	Level 1 Trigger Production and Testing Complete	1/06 4/06 12 weeks
The milestone has been adjusted to reflect the additional time estimated to be required to complete this sub-project.		
Run IIb Schedule Manager Concurrence _____ Initial / Date Input to		
Schedule Complete _____ Initial		
9) SECONDARY IMPACT: ES&H AND OTHER COMMENTS:		
10) APPROVALS		
DØ Run IIb Project Manager _____		Signature / Date
DØ Run IIb Level 2 Manager _____		Signature / Date
DØ Run IIb Level 3 Manager (1.1.3) _____		Signature / Date
11) FERMILAB DIRECTOR DISPOSITION		
<input type="radio"/> Approved	<input type="radio"/> Disapproved	_____ Signature/Date

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12) DOE DISPOSITION		
<input type="radio"/> Approved	<input type="radio"/> Disapproved	_____ Signature/Date