FFTS – FFTS Detector Electrical Electronic Interface

Interface Document: LN-KOELN-FDR-INT-232		Issue: 1.1
Relevant Documents: LN-MPIFR-FDR-ELEC-001, LN-MPIFR-FDR-INT-205, LN-MPIFR-FDR-INT-208		
Brief Description: Connectors in FFTS support structure		
Prepared: U. Beckmann, T. Bertram Date: 04.05.2005	Approved: T. Bertram Date: 09.05.2005	Released: M. Kürster Date: 20.05.2005

Interface Description

This document describes the interface between the FFTS Detector cables and the FFTS support structure.

In order to remove the FFTS mechanics from the cryostat, additional connectors for the cables to the FFTS detector fanout board have to be implemented. Each of the two feedthrough connectors in the vacuum vessel (cf. LN-MPIFR-FDR-INT-205) has a corresponding connector on the opposite side, integrated into the FFTS support structure. All electrical signals to the fanout board will go from the two feedthrough connectors via the connectors in the FFTS support structure.

Interface Specification

The interface has the following properties:

Item	Description
Connector type	Malco Type MCK 15S Receptable on FFTS support structure side 21S Receptable on FFTS support structure side