

## Current Status of ZEUS-MVD “C+C MASTER” and “C+ C SLAVE” modules

DESY, 5 April 2000  
(DAH, JBL, JMB, MP - UCL )

- 1) C+C MASTER :
  - Both modules fully tested stand-alone and with the GFLT Simulator at UCL
- 2) C+C SLAVE :
  - Two modules fully tested stand-alone and as a system with C+C MASTER and the GFLT Simulator at UCL
- 3) C+C MASTER with two C+C SLAVES :
  - System fully tested in one VME crate – both stand alone and with the GFLT Simulator at UCL
  - Soak testing done with the GFLT Simulator using PC-driven software test programme to check the correct handling of Triggers, FLTNs, GBCNs and Busys shows no errors after runs lasting many millions of ‘events’

**One C+C MASTER and one C+C SLAVE are now in DESY being used for tests in the ADC crate. These are the actual production modules, not prototypes .**

- 4) GFLT -> VETO WALL CABLE :
  - Testing with ~ 75 m of new, shielded, zero-halogen “Twist’n’Flat” ribbon cable between the GFLT simulator and the C+C MASTER shows that there is no actual loss of the phase lock between the GFLT 96nsec clock and the PLL clock regenerated on the C+C MASTER .
  - This cable should be good enough for the ~52 m required to run between the GFLT in the rucksack and the veto wall area electronics racks
- 4) TO BE DONE :
  - Testing with real GFLT at DESY with real halogen-free cables  
( This requires new cables to be purchased :  
quoted price £10.000 )