

ATLAS CCRC View

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Cosmic Ray tests



- **M3 Test back in June 2007**
 - Was mostly detector test
 - Last few days also wrote data into Castor 1
 - Only 1 SFO could be used → rate limitation
 - Data used for detector studies
- **M4 August 23 – September 3**
 - Using 4 SFOs: rate < ~250 MB/s
 - Data written into Castor 2 (~60 TB)
 - Full T0 operation:
 - ESD data subscribed from T1 to T2s
 - Analyse M4 data at T2s
- **M5 October 23 – November 5**
 - More complete detector
 - 5 SFO's → more rate
 - Exact goals still to be defined
- **M6 two weeks in February 2008**
- **Beyond March: Cosmic Ray tests become the default**

Other tests

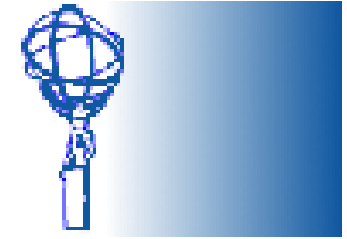


- TDAQ technical runs
 - Typically one day
- Calibration runs
 - Not clearly defined yet
- Re-processing test
 - Tape reading in Tier-1's
- SRMv2.2 tests
- More will come ...

- setting up a permanent test infrastructure
 - Easier switch between test & production



FDRs



- Functional FDR 1 in February
 - Tests principles
 - All components working
 - No physics involved yet
- Final FDR 2 in May
 - As FDR 1
 - Full trigger list
- Dates need to be fixed soon

Conclusions



- ATLAS ready to discuss CCRC now
- Has to be compatible with our other tests
 - May be destructive during throughput tests
 - Non destructive during Cosmics or FDR 2
- Setting up a permanent test infrastructure
 - More flexibility
 - Tests parallel to productions possible in principle