

# Module Test Today

# Modules Built

- Around 600 TIB, 300 TOB, 80 TEC built: we finally have numbers in hand to make a good analysis !
- The analysis should now proceed at good pace in all centres: see today's presentations
- No major problems in the test procedures have been reported
- But.... The procedures must be followed ! Is this always the case? The answer in a few minutes...
- LT tests in TIB presently last for ~3 days: if no problems clearly time dependent will be reported today, I am going to propose to reduce duration of LT tests in selected centres (3 cold box loads/week)

# Analysis Macros

- The analysis macros, presented in past Module Test Meetings and available from our web page, **MUST** be used to understand module behaviour
- TIB people have optimized cuts for 1 sensor modules, and the **same** cuts have been already used in TIB community. **Only 1 set valid for all cases: cold-warm, 6-4 APVs.** No other release foreseen, unless forced by evidence
- USA people are working to tune the cuts for all 2 sensors modules, new results expected soon. In the meanwhile try to use standard TOB cuts also for TEC
- **IMPORTANT:** cuts cannot depend on any particular setup, they must be valid everywhere for the same kind of modules
- Cuts on bias current have been revised

# The Aim of the Macros

- All testing and analysis strategy aims to qualify in automatic way more than 95% of our production, without missing almost any module failure: this has been already achieved in present production
- There is a small fraction of modules with a weird behaviour: those modules will require deeper study and interpretation before being accepted or discarded as bad
- The importance of the macros is in the possibility of easy rerun on root files when newer and better cuts are defined: no need to retest modules! (provided root files have been taken according to procedures)

## Last but not Least....

We have already today a lot of modules in final Production Database ! (137 ARC + 76 LT today at 12:30, still growing...)

- An important remark: the upload to DB is under local L3 control. Please verify correctness of data before insertion! Level 3 Managers: YOU will be deemed responsible for wrong data in DB !

## A Big Worry...

- Alan Honma reported on a serious problem found on some TOB modules/hybrids: APV pedestals are drifting to saturation on a timescale of minutes
- Possible explanation: a V125 connection missing on a specific APV pad (confirmed today by Alan)

**PLEASE** look in your modules to see if you have this effect! Report it immediately to Alan by email and cc to me.

No such problem seen for TIB modules in ARC or LT

Action must be taken asap !