



TIB Module Test status



- **Module test statistics**
- **Some analysis**
- **Comments**
- **Conclusions**



TIB module test statistics



No red color in the table!

	Modules bonded	Modules Tested	ArcTests Uploaded	BAD	Modules LtTested
Bari	234 (5)	220 (12)	187	8 (0)	208 (11)
Catania	213 (18)	201 (14)	85	6 (0)	171 (12)
Firenze	247 (?)	247 (?)	226+4	8 (?)	229
Pisa	549 (62?)	544 (70?)	529	23 (?)	484 (?)
Padova	420 (43)	415 (43)	399	19 (0)	400 (42)
Torino	251 (24)	247 (24)	224	9 (0)	232 (26)
	1914	1874 (163+FI)	1653 (414 by the last xFlag)	73 <4%	1724

Numbers in () show the increment respect to the 10 March 2005

TIB Module Test Status CERN, 26 Apr 05 A. Kaminskiy,



Bad Modules Analysis



Nothing to analyze !



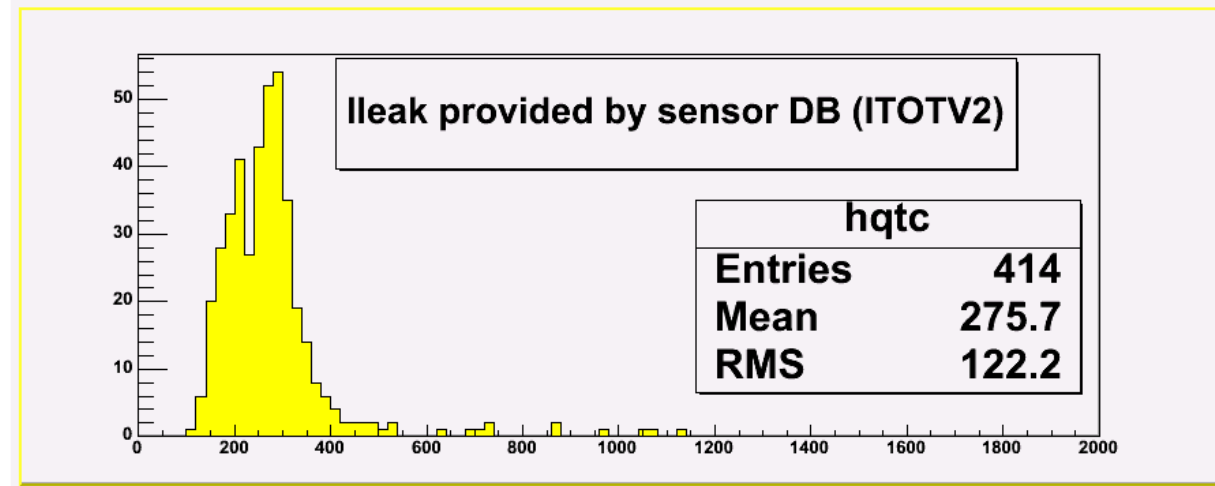
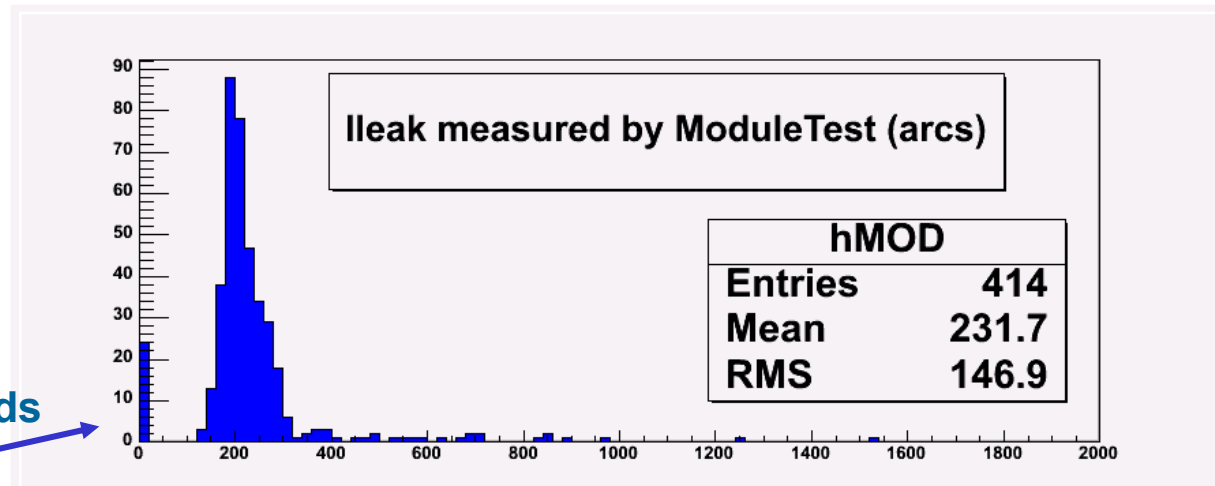
Just to be mentioned...



- Large number of modules should be reprocessed by the new version of xFlag; output XMLs should be uploaded to the TrackerDB
- Two modules (1 Fi + 1 To) had the SMD resistors badly welded (this concerns to the FRAME ASSEMBLY, not to the hybrid). It was discovered by the visual inspection. Easy to see and repair.
- Several TIB hybrids became “faulty” (in database) after the module was already built and tested – It produced small avalanche of e-mails to understand the problem – at least a Padova these modules seem to be good (ARC and LT passed for 4 of 4 modules). We decided to send them to Pisa repair center.
- 1 module at Florence has a CM noise in the Dec mode higher than expected.

Only modules processed by the last (1.6.7) version of Xflag are included (414 total).

Peak at "0" corresponds to the ARC setups without HV boards (at very beginning)





Conclusions



- Overall TIB module production quality is very high, **no new bad modules since 10 March**
- **Module test centers are loaded less than 50%**
- -> the module test goes very smoothly
- No gap anymore between ARC and LT test
- No significant gap between ARC test and TrackerDB
- Tool IDs in TrackerDB seem to be correct (except 4 TIB modules resulting tested in Aachen by Carlo Civinini :-)



ARCs 8.0pre version test



- Prerelease of ARCS version 8 was intensively tested in Florence and Padova
- The overall impression is quite positive:
 - No “hardware” problems
 - Fast test is significantly improved
 - “One click test” works well (i.e. produce the same results like official TIB procedure)
 - HV ramping is faster
 - Configuration scheme is improved (for different module types).
- One bug:
 - in configuration scheme.
- We hope this bug is (to be) fixed without introduction of new features.