



Drift Tube QC Meeting

Cern 5th March 2001

- **New Bar Code definition** **Ezio**
- **Status of QC at various production sites** **All**
- **New items to define in the bar code** **Gyorgy**
- **Limit values for the HV test of AL Plates**
- **QCDataBase status report** **Simone, Marina**



- **New address of QC web page**

[http://www.to.infn.it/activities/experiments/
cms/QualityControl.html](http://www.to.infn.it/activities/experiments/cms/QualityControl.html)

- **New Version of the QC document**

Version 6.1

Modifications according to the Nov 2000 meeting:




- **First HV test of SL(in air)**
- **Second HV test of SL (in gas)**
- **HoneyComb test**

- **Test on cooling of FE boards?**



QC for AL Plates production

Status of QC for AL Plates production

**Exercise to test the QC procedure foreseen
in the document**

Assembly step	QC step	Status of QC
	Identify Al plates box Identify Al strip and Mylar strip batch Check raw plates	
Cut plates	ID Al plates	
Deposit strips	Measure Al plate geometry (length, width, diagonals) with camera Measure position of strips	

QC for AL Plates production

Assembly step	QC step	Status of QC
HV test	Test on single plate 4 strips granularity 3 steps increasing voltage up to 4 kV Keep voltage for 30 min Repeat rump up and down 5 times Measure currents (offsets) SY527 Failure recovery cases: sparks moderate currents (O(microA))	
	Temperature, Pressure and Humidity Recorded each step of production	



QC for AL Plates production

- **A window panel is provided to the operator to follow the steps of the production workflow.**
- **All data are recorded automatically into an Excel file.**
- **A traveler file associated to each plate is also automatically generated.**