

# **Padova – Legnaro report**

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# Legnaro production status

71 CHAMBERS completed :

Summary (06/12/05) pleted : 59 MB3(29-, 30+) (2 spare missing) 2 MB3chim 2 MB4-4chim 8 MD4 4 ( 01) (2 spare missing)

8 MB4-4 (all but spare one!)

(64 at CERN, next shipment in January 2006)

SL PRODUCTION COMPLETED! thanx to all the contributors !!!



wire production finished: some (4) wire spool and crimping block still in Legnaro to produce spare wires if required (to change broken wires in the chambers under test at CERN)

# Last SuperLayer....



**Paolo Checchia** 

# **.....Sacrifice to glue's Gods**



20/09/2005

**Paolo Checchia** 

#### **Analysis Summary (wire position)**

#### full set of standard phi production at table ph1



### **Analysis Summary (wire position)**

full set of standard phi production at table ph2





### **Analysis Summary (wire position)**

present set of standard phi production at table theta





# **SURVEY checks**

- Legnaro measurements
- CERN measurements
- +comparisons
- •Analysis of the whole data set is going on

### **Legnaro measurements**



x-length(dist) take: **xREF2-xREF1** and subtract the nominal value

#### Legnaro measurements



x-length (-nominal)

table ph1: 300 µm additional length on HV side

#### Legnaro measurements

#### average (4 wires) position difference





G. Bencze

#### comparison

SL x-length



## Conclusions

SL production completed well within promised schedule

Assembling of regular chambers completed

**Problems with one honeycomb for the last spare MB3: bad thickness** (+ 2 mm in one edge). To be cured (additional Al foil?)

**Chamber test station busy for readout test** 

New shipment of 5 chambers foreseen in January (5 weeks to complete the tests)

Analysis of all data and inclusion of survey measurments in the cosmic data to be completed (contacts with the alignment team)