



# Padova report

## Items

- ◆ **Hall and production line status**
- ◆ **Chambers and SL review**
- ◆ **Chambers and SL test**
- ◆ **Conclusions**



# Hall and production line status

## Upgrades

Ibeam tools

Weight tools





# News

Table 4 built now under test



a, INFN

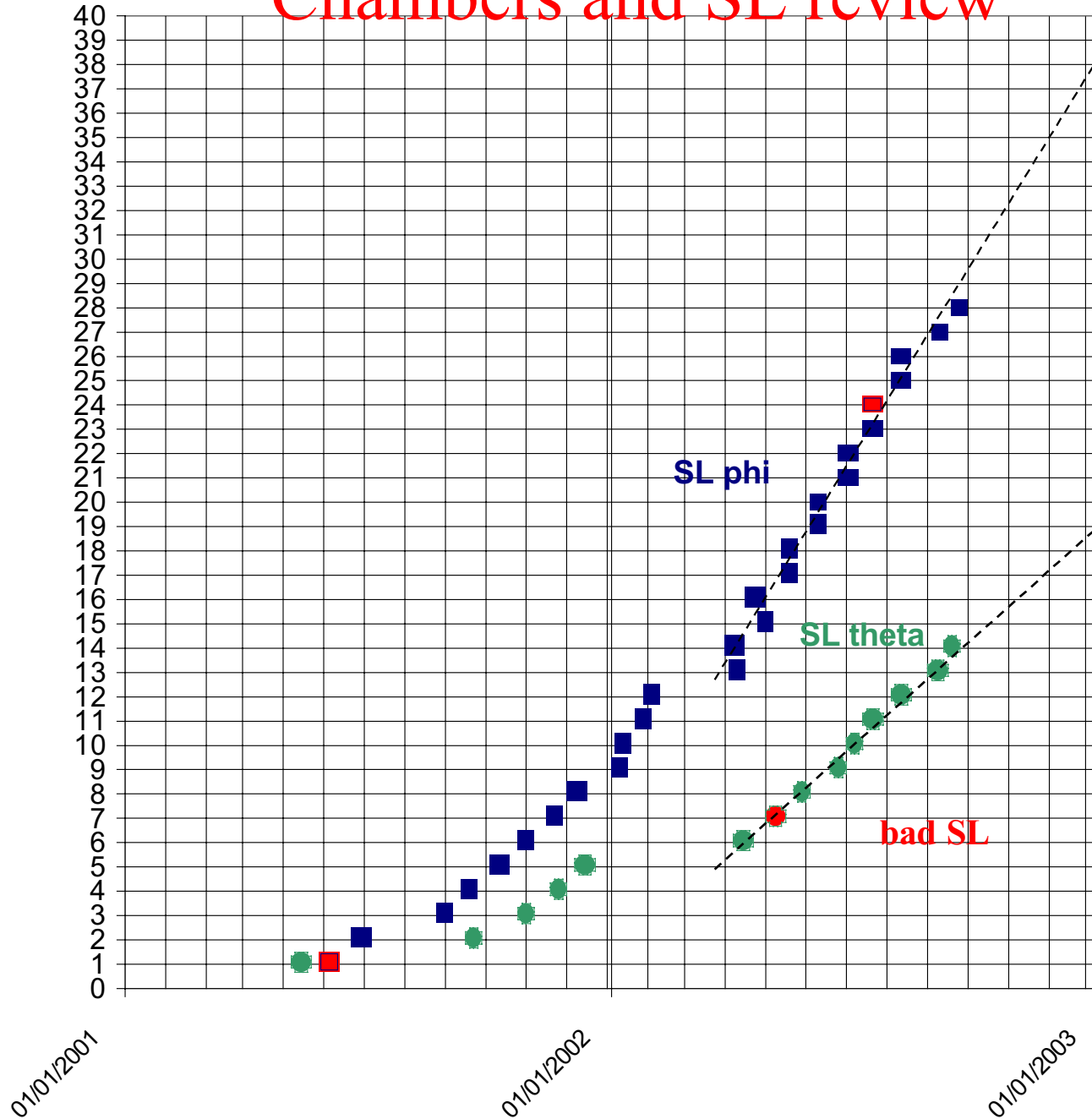


## RPC's pads

Glued to  
1 chamber



# Chambers and SL review



**NOW**

**SL: 26 phi 13 theta**

**Chambers:**

**8 assembled**

**13 soon from good SL**

**CHAMBERS**

**END 2002**

**22 baseline schedule**

**17 INFN milestone**

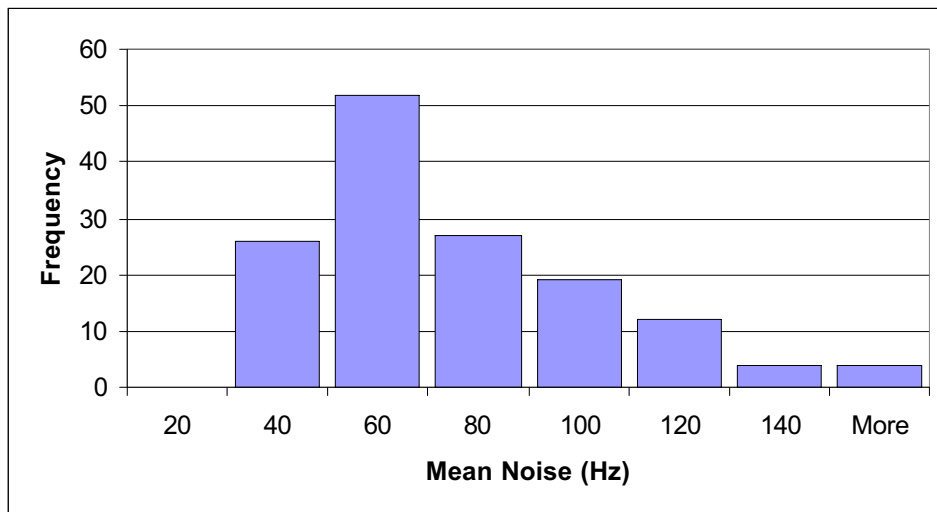
**17-18 realistic projection**



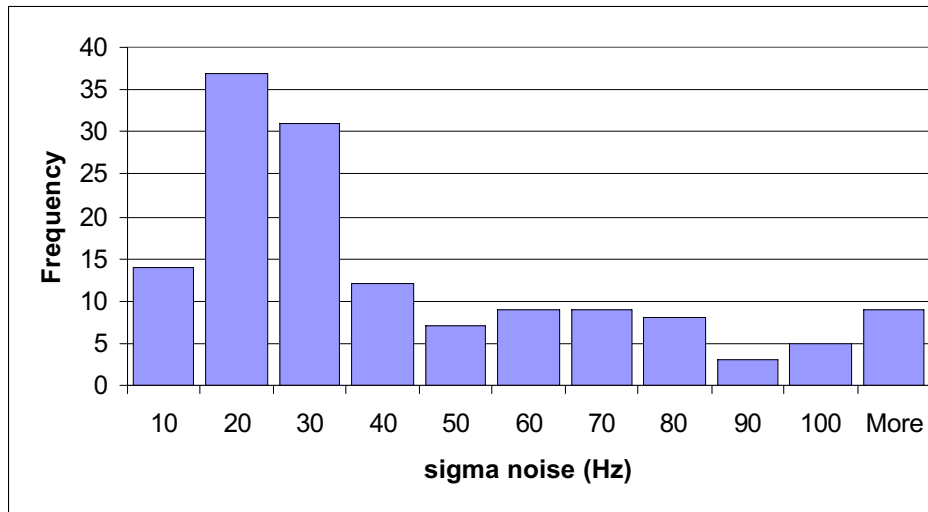
## Chambers and SLs test

$\varphi$ 1 - $\varphi$ 26 tested	24 are good	} # cells = 9624
$\theta$ 1 - $\theta$ 13 tested	12 are good	
$\varphi$ 27 $\varphi$ 28 $\theta$ 14	under test	

### Mean layer noise



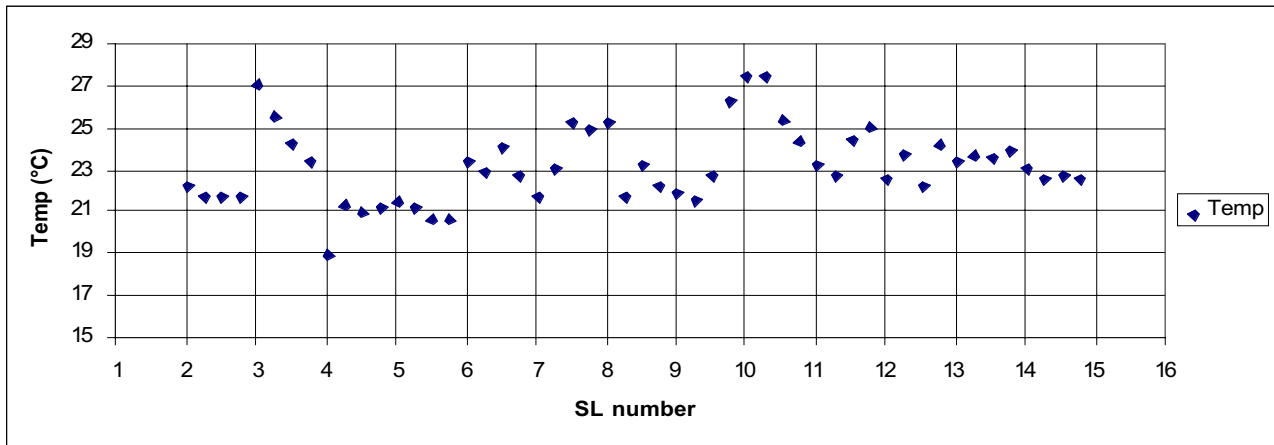
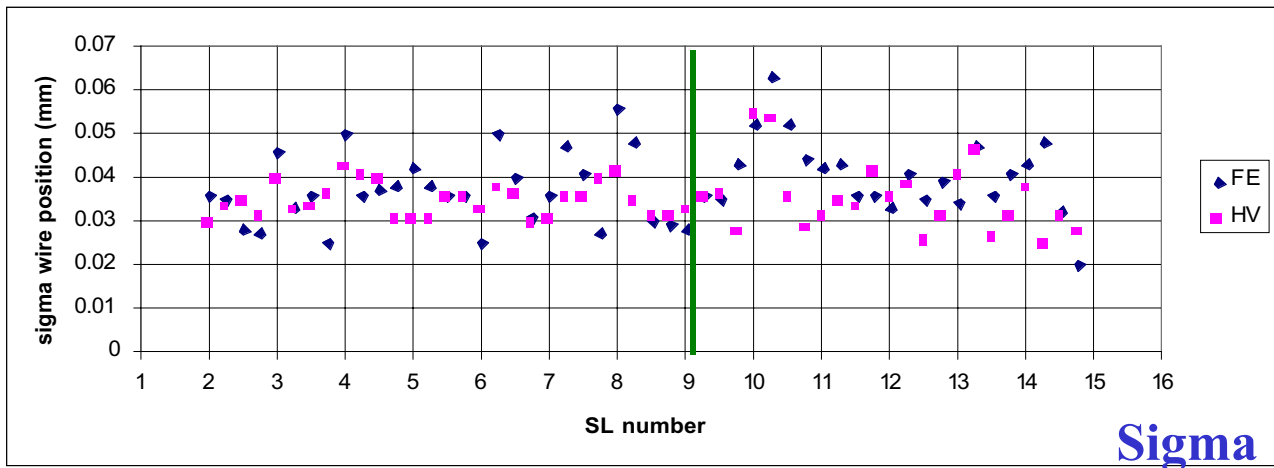
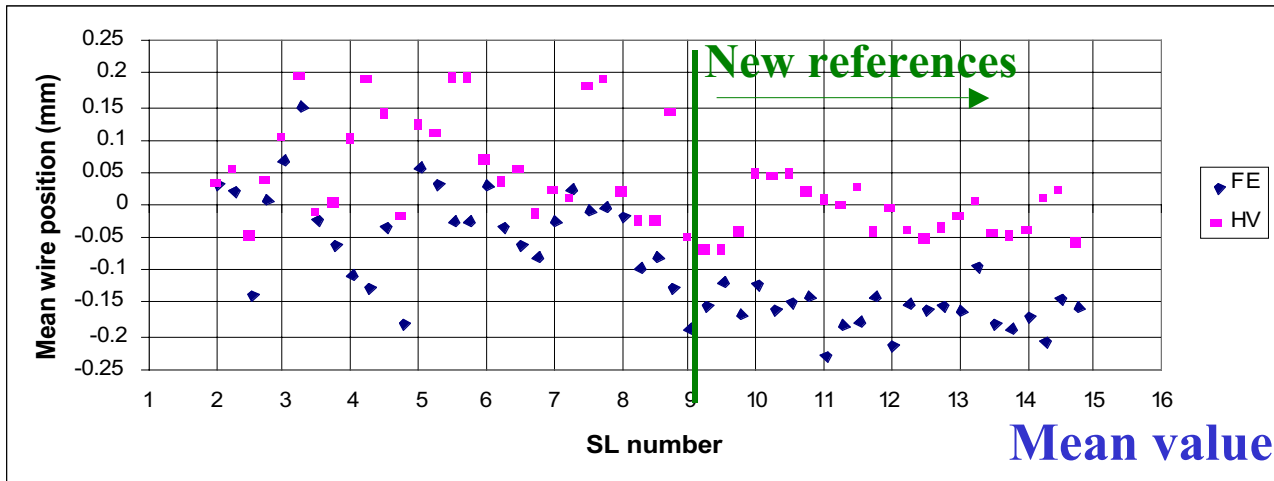
### Sigma layer noise



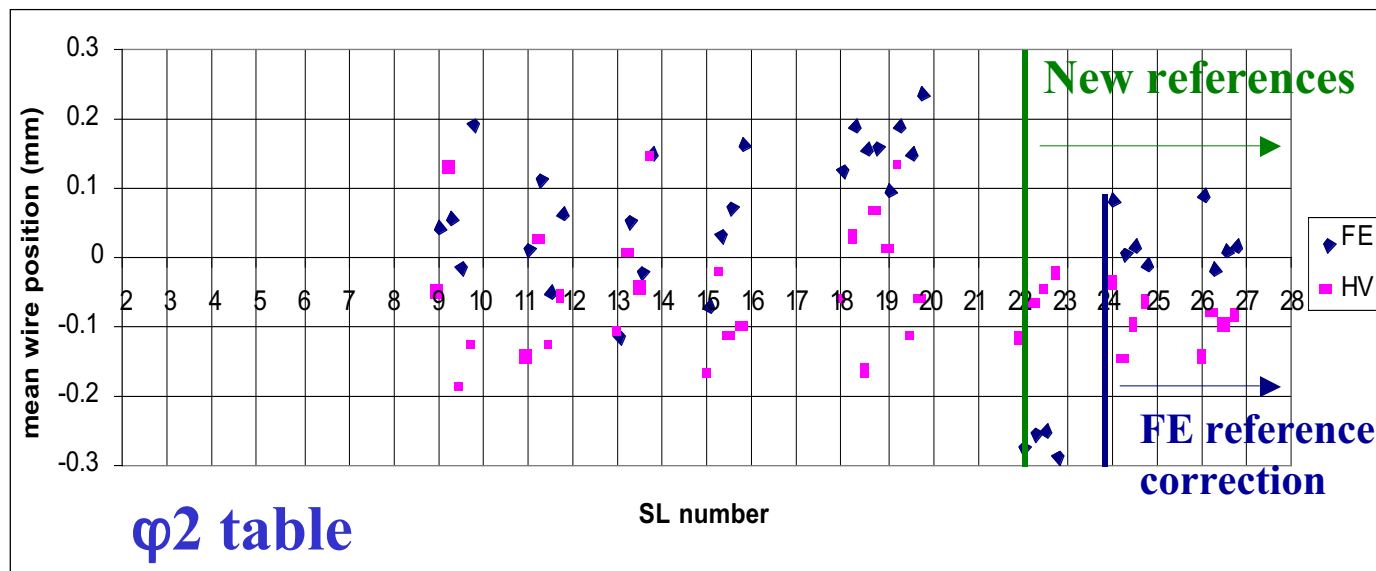
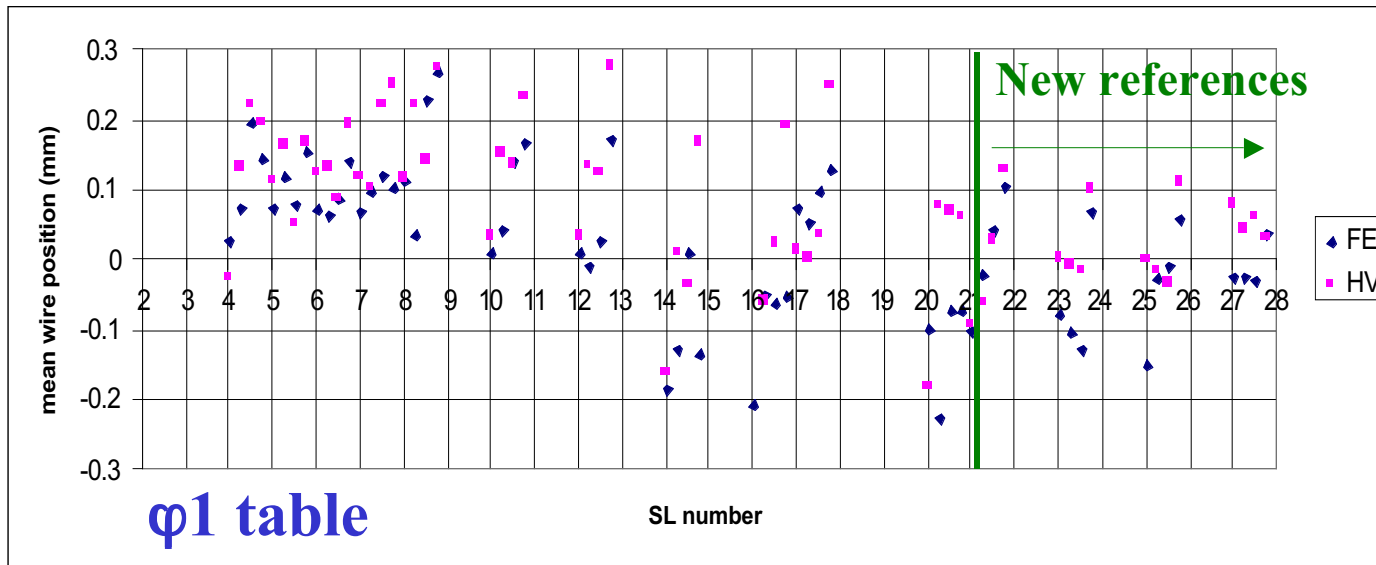
Cells  $\geq$  500Hz # 55

Cells  $\geq$  1000Hz # 18

Dead cells # 15 (1.5 %)



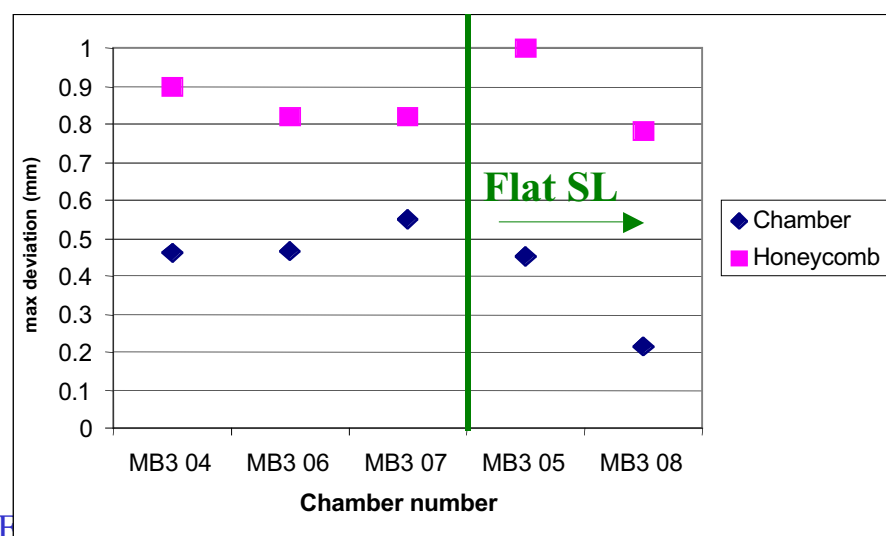
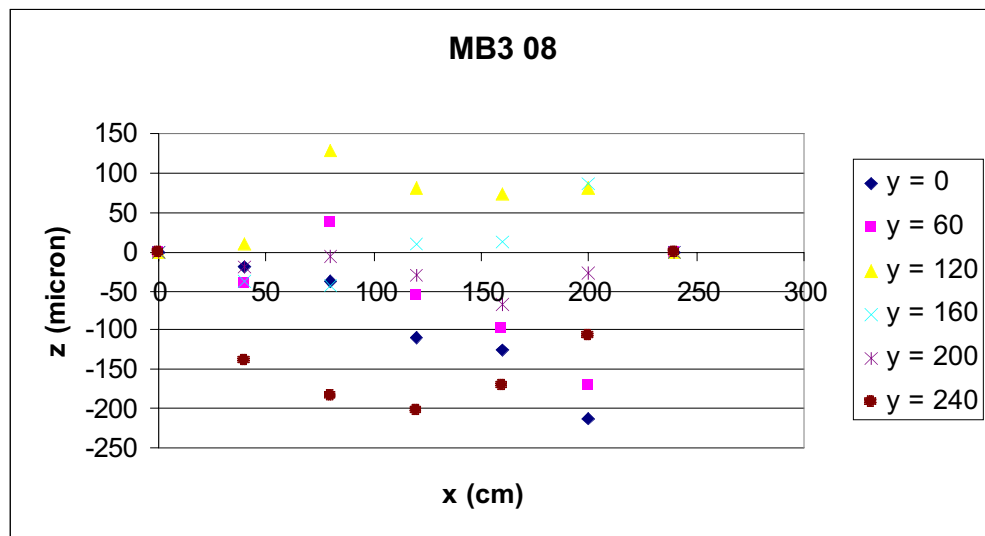
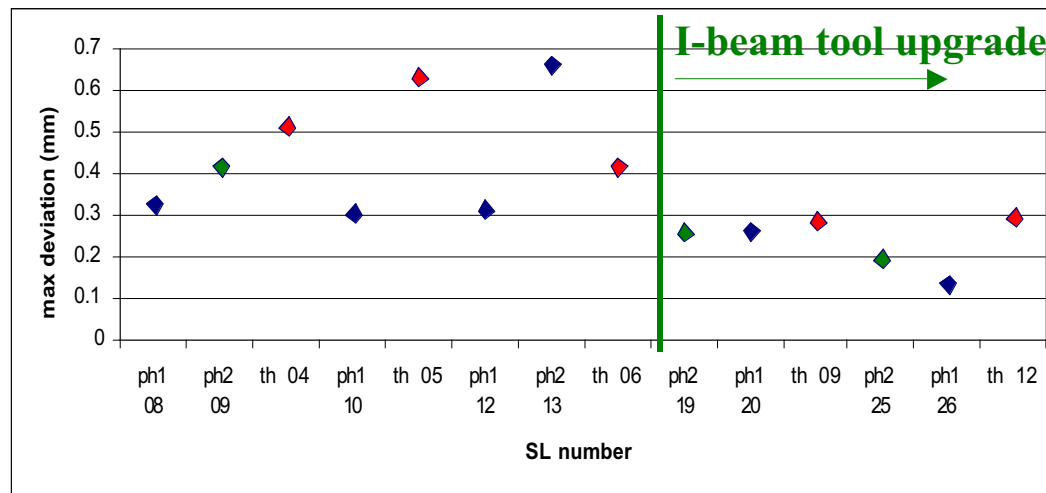
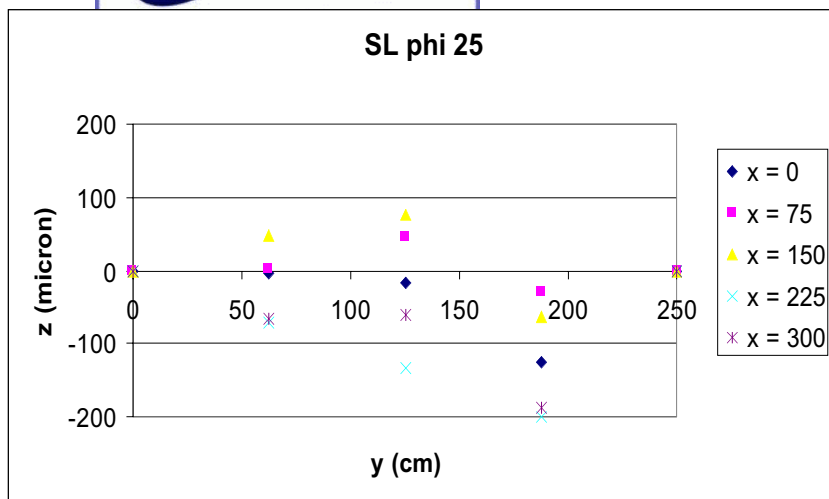
Wire position  
inside layers  
SL 02 - 014



**Wire position  
inside layers  
SL  $\phi 4$  -  $\phi 27$   
(mean value)**



# SL and Chamber planarity





## Conclusions

- Tool upgrades reduced layers offset oscillations and improved SL planarity
- Table 4 under test, glue mixing within 1-2 week
- RPC's pads glued to 1 chamber
- 5 chambers with pads and gas fittings will be sent to CERN in October
- Production rate now at 100%, before end 2002  
17-18 chambers built and 10 sent to CERN