

Legnaro production status

Summary (11/3/05)

57 CHAMBERS completed : **48 MB3(23-, 25+) 1**
MB3chim (50 at CERN) **8**
MB4-4 (all but spare one!)

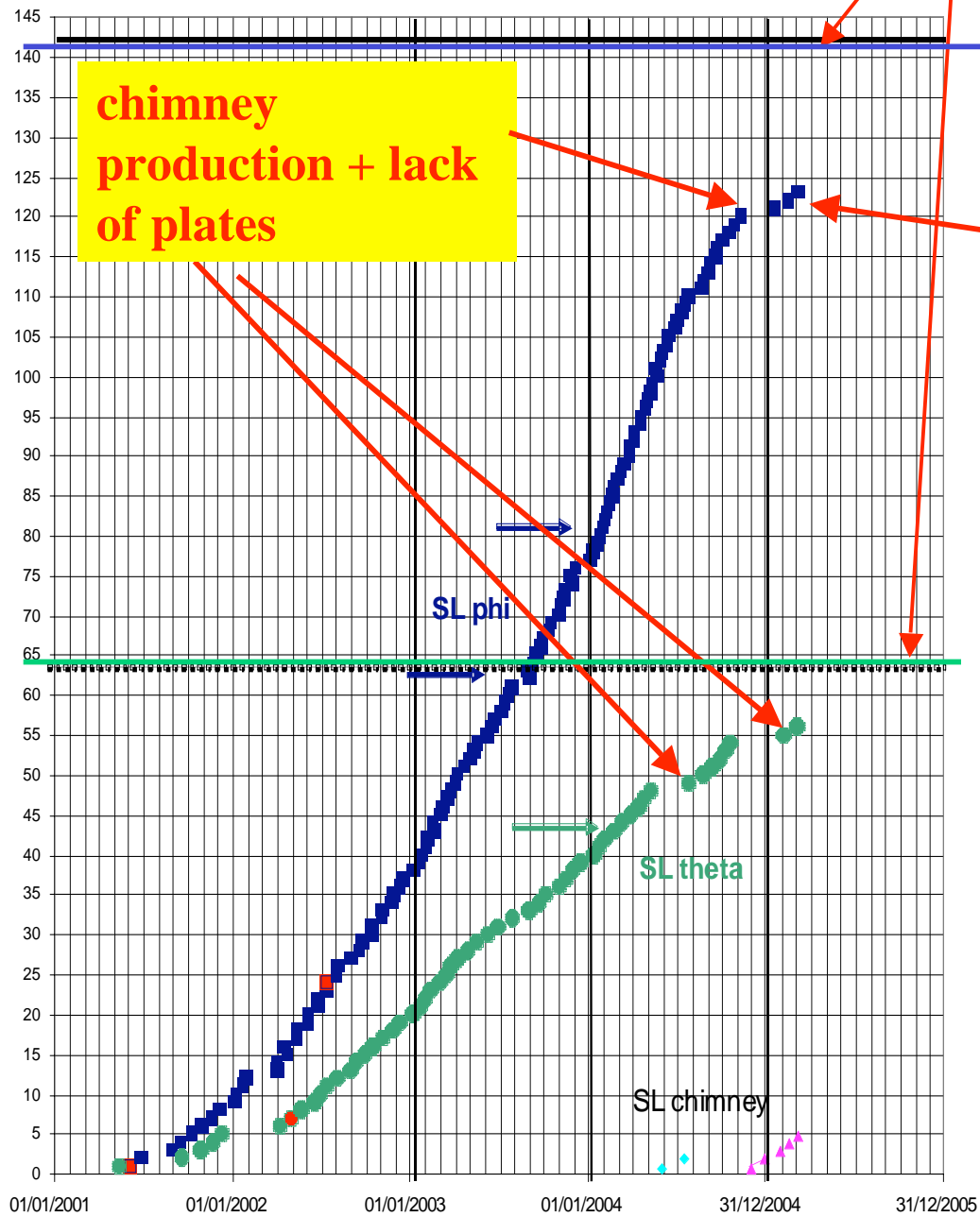
**179 SuperLayers standard (> 80%!)
(123 phi, 56 theta)** (2 more chambers ready to be assembled) +
2 theta chimney , 5 phi chimney
~730 Layers

one table devoted to phi chimney production
table modification started end of september,
now at 100% efficiency(see details...)

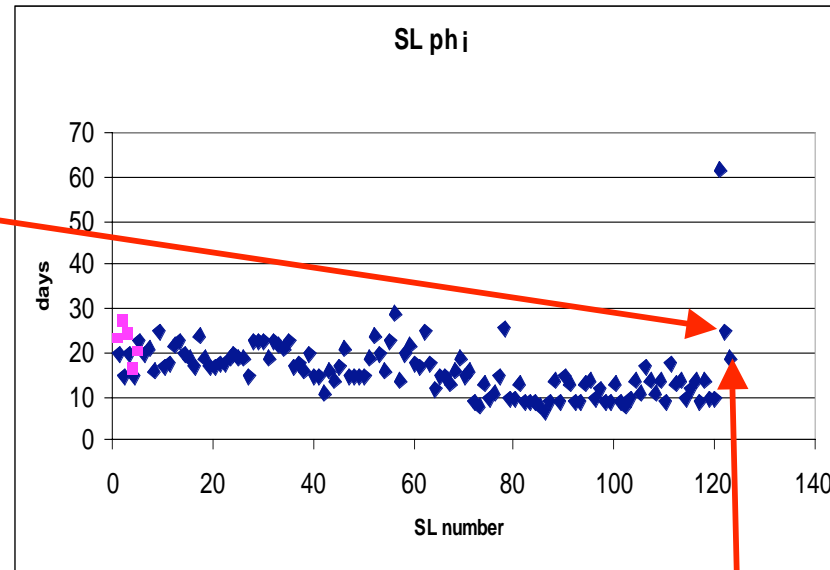
(delay due to) ...

lack of Al plates: standard production stopped at the end of 2004
(table working slowly at present because of manpower....)

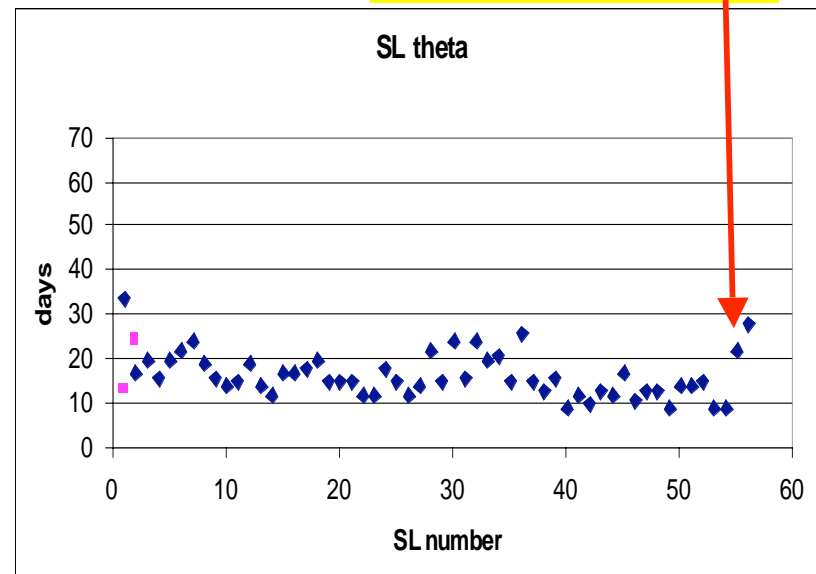
~full production



chimney production + lack of plates



manpower +...



Chimney production

due to intrinsic difficulties in tool modification:

- long time (>2 months) necessary to reach the standard speed
- 4 additional glueing steps



- longer production time: **~20 days/SL**
- Table 4 (chamber assembling) modified (simple and reversible)
- MB3+ chamber produced (**equipped with new HVB**).
two more chambers (MB4-4) as soon as possible

Manpower and present Plans

Present manpower problem due to:

- Expert technician devoted to miniCrate production (substituted by non-experts)
- difficulty for Bologna to provide shifters regularly (because of their mC production chain + ...)
- some personal accident... (hopefully to be solved)

Within this framework we tried to help Torino friends producing wires for them!

Urgent plan (to cope with installation schedule):

- transport with 2 MB3+ and MB3 chimney next week
- chimney phi production for two more MB4/4 chambers (3 done) \Rightarrow <1 month
- HVB (new) + FE chards....+tests \Rightarrow > 0.5 month
- 2 chamber assembling + tests \Rightarrow > 0.5 month
- **Beg. of May is an aggressive schedule to send 2 MB4/4 chimney to CERN**

Future Plans

SL to produce:

- $(61_{\text{MB3}} + 9_{\text{MB4/4}}) \times 2 - (123 - 2_{\text{bad}}) = 19$ standard phi
- $4 \times 2 - 4 = 4$ chimney phi
- $61 - (55 - 3_{\text{bad}}) = 9$ standard theta

plan (adjusted):

- chimney phi production on one table since **October.. 2004**
slower production (need more glueing steps)
- remaining standard phi production on the other table only
(most time consuming production)
- schedule: 20 SL at ~~2.5 SL/month~~ x 11-1 months
- schedule: 20 SL at (?) **<2 SL/month** x 10-1 months

hard to finish by end 2005