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# LEP2 Status

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# Topics

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## ① Present Performance

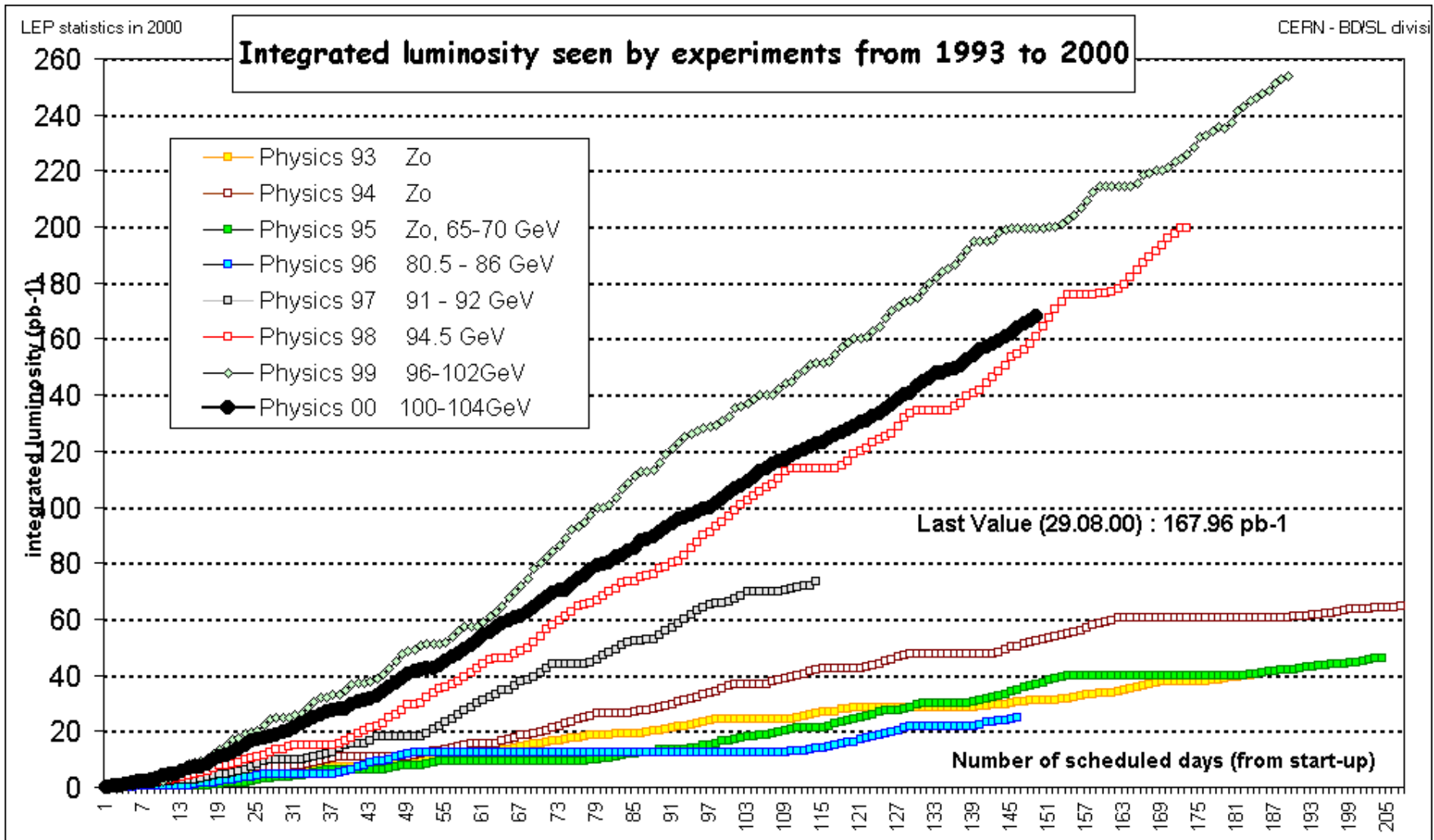
- ② Integrated Luminosity
- ② Luminosity vs Energy

## ① Estimates for Future

- ② October 1st.
- ② December 3rd.

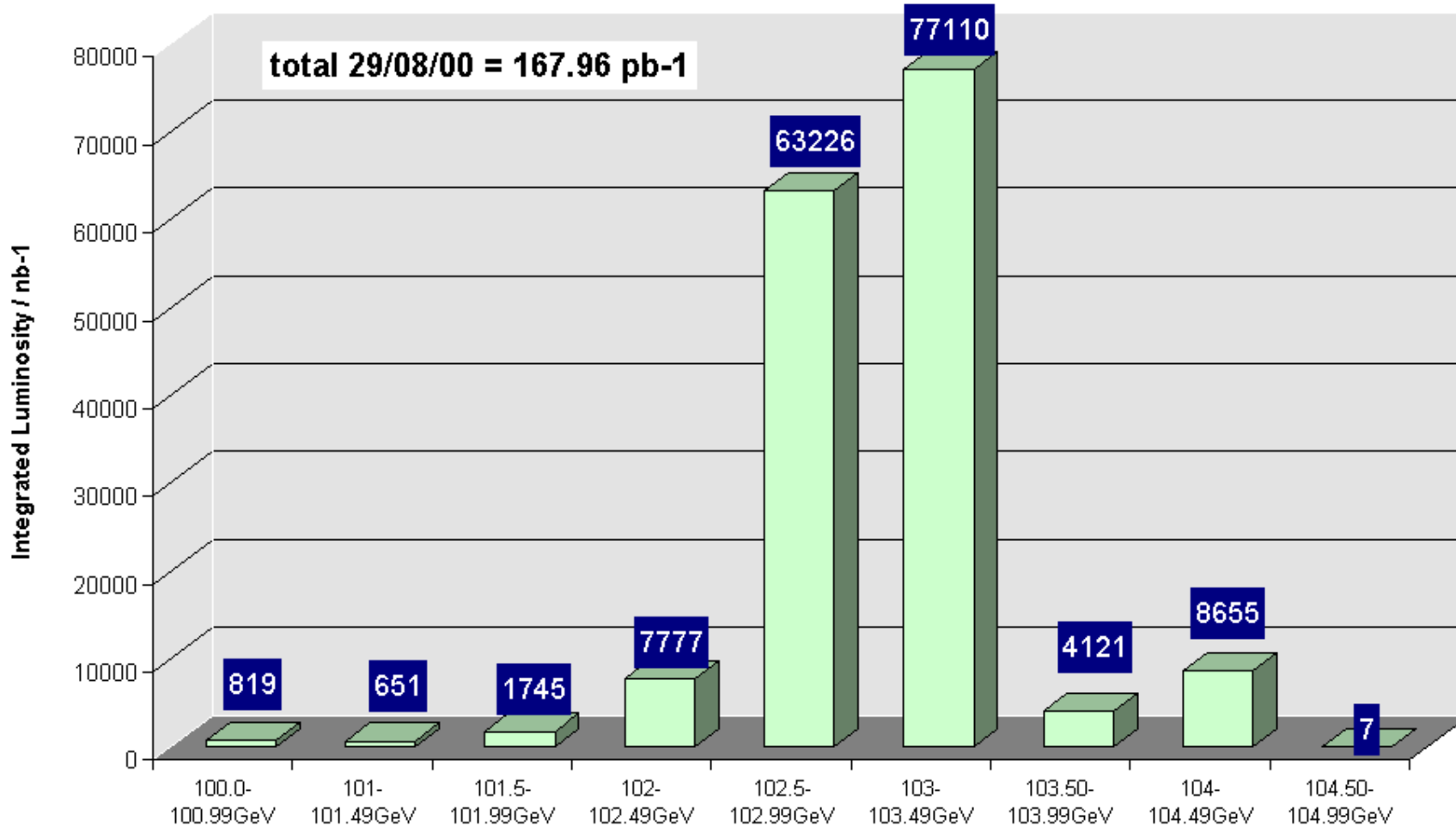
## ① Prognosis for Cavities

# Year to date



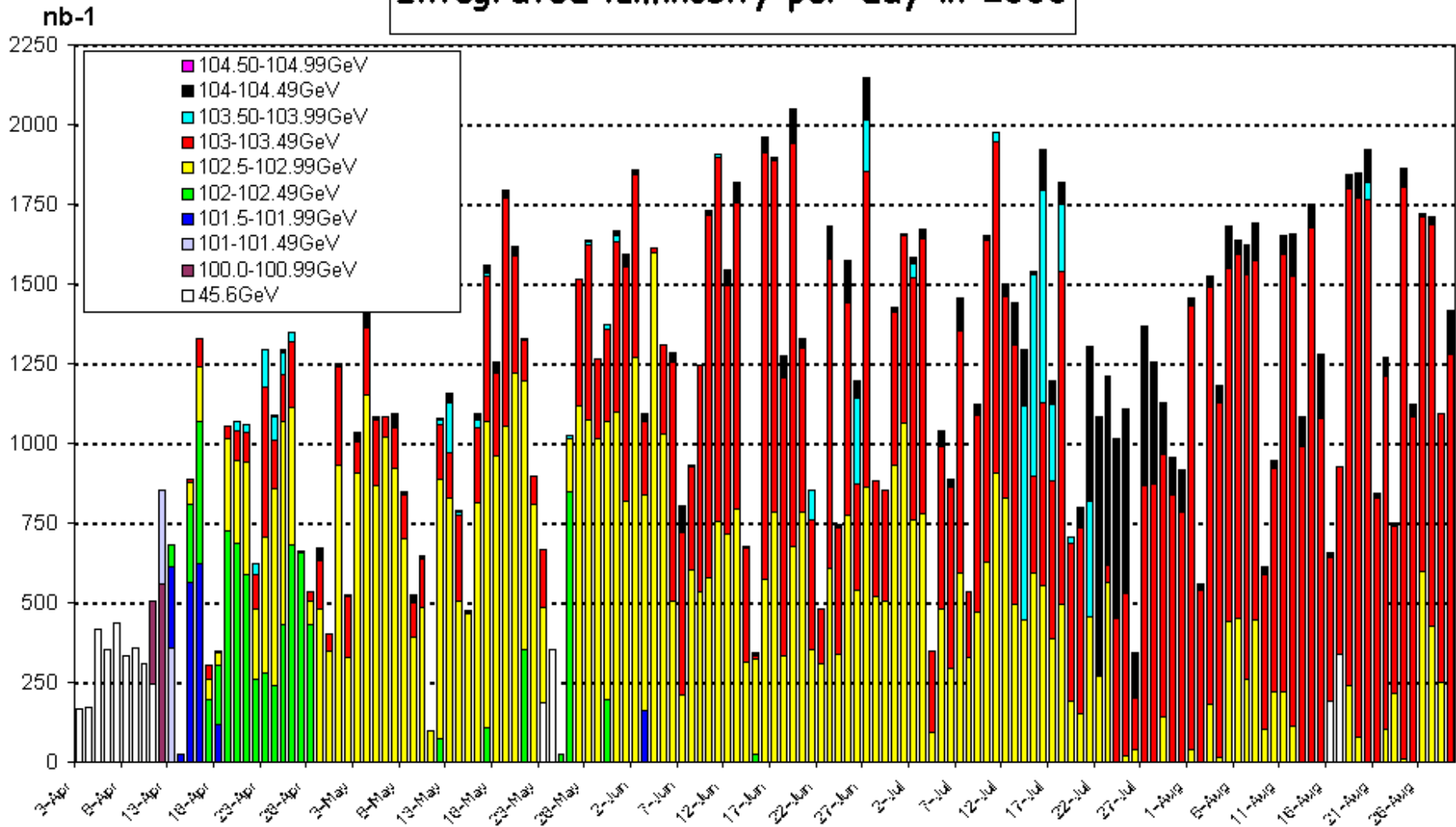
# Luminosity vs Energy

Distribution of Delivered Integrated luminosity by Energy

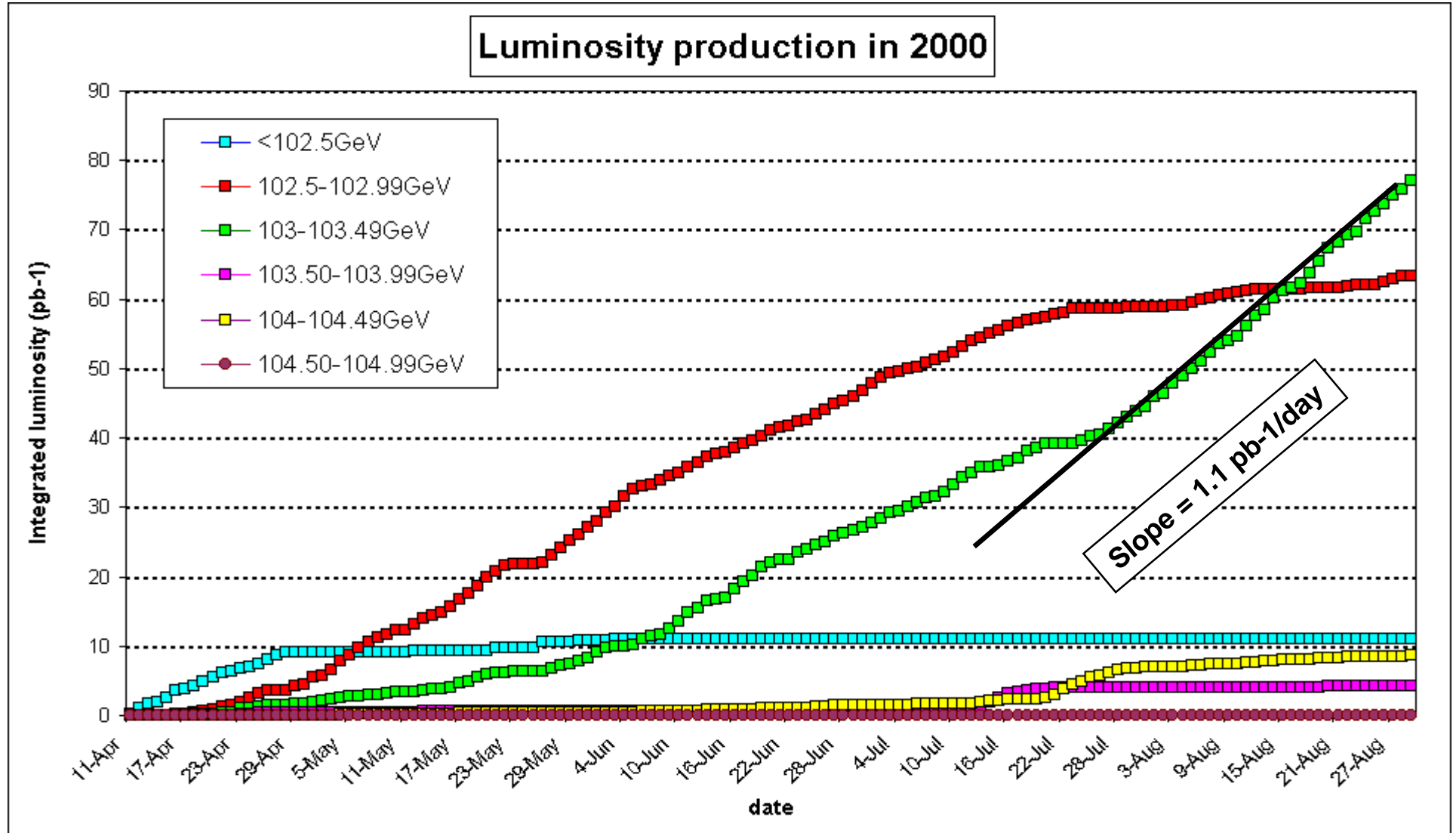


# Daily Dose

Integrated luminosity per day in 2000



# Rates as Function of Energy



# Estimates for “Future”

① At 103.x GeV/beam daily production over last month is 1.1 pb<sup>-1</sup>

① 4th September.....80 pb<sup>-1</sup>

① 1st October (+18 days).....100 pb<sup>-1</sup>

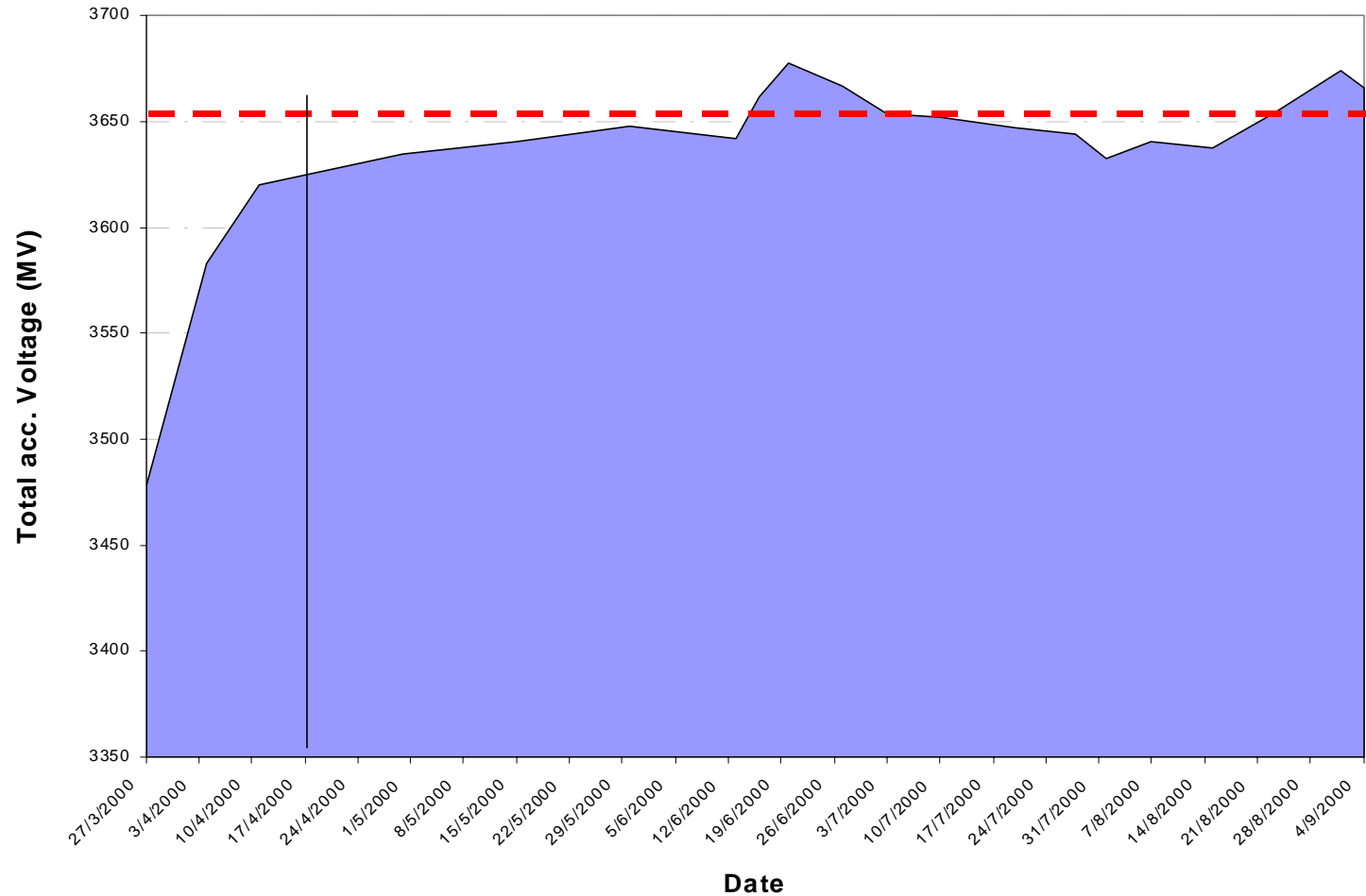
① 1st December (+63 days).....170 pb<sup>-1</sup>



**At >103 GeV/beam**

# Possible Problems

- RF; constant
- cryo: deicing
- numerous water leaks (radiation)
- LHC civil engineering movements (realignment)





# Conclusions

- ① LEP has the capacity to double the present luminosity at 103.x GeV/beam by the beginning of December.
- ① All LEP2 staff are highly motivated to continue running **if the physics case justifies it.**

Original LEP slogan

**LEP's Do it!!!**