



# How Many Boards should be Built?

- no plan to build IBL opto-boards
- total of 272 boards is needed for two other flavors
  - ◆ propose 10 boards produced through out production be tested at 85 C/85% RH for 2000 hours to monitor quality
    - 4 boards were tested in 2013/14 production
  - ◆ propose 10 boards produced through out production be tested at 50 C/50% RH after the 85 C/85% RH program
    - 4 boards were tested in 2013/14 production for three years
- ~50 boards were replaced after 3 years of operation
- do not know if new boards will survive shorter or longer
- propose produce 400 good boards (1<sup>st</sup> and 2<sup>nd</sup> class boards)
  - ◆ 2<sup>nd</sup> class boards are re-worked boards and pass burn-in/thermal cycle/QA
- ⇒ allow for boards with shorter lifetime or longer LHC running