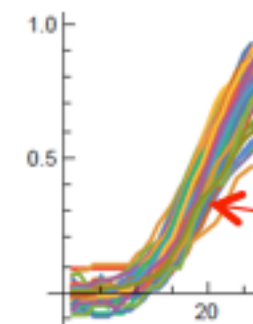


Timing with Micromegas

S. White, CERN/Princeton Univ., CERN talk June 2016 & RD 50/51 collab. & Y. Giomataris, Saclay lab

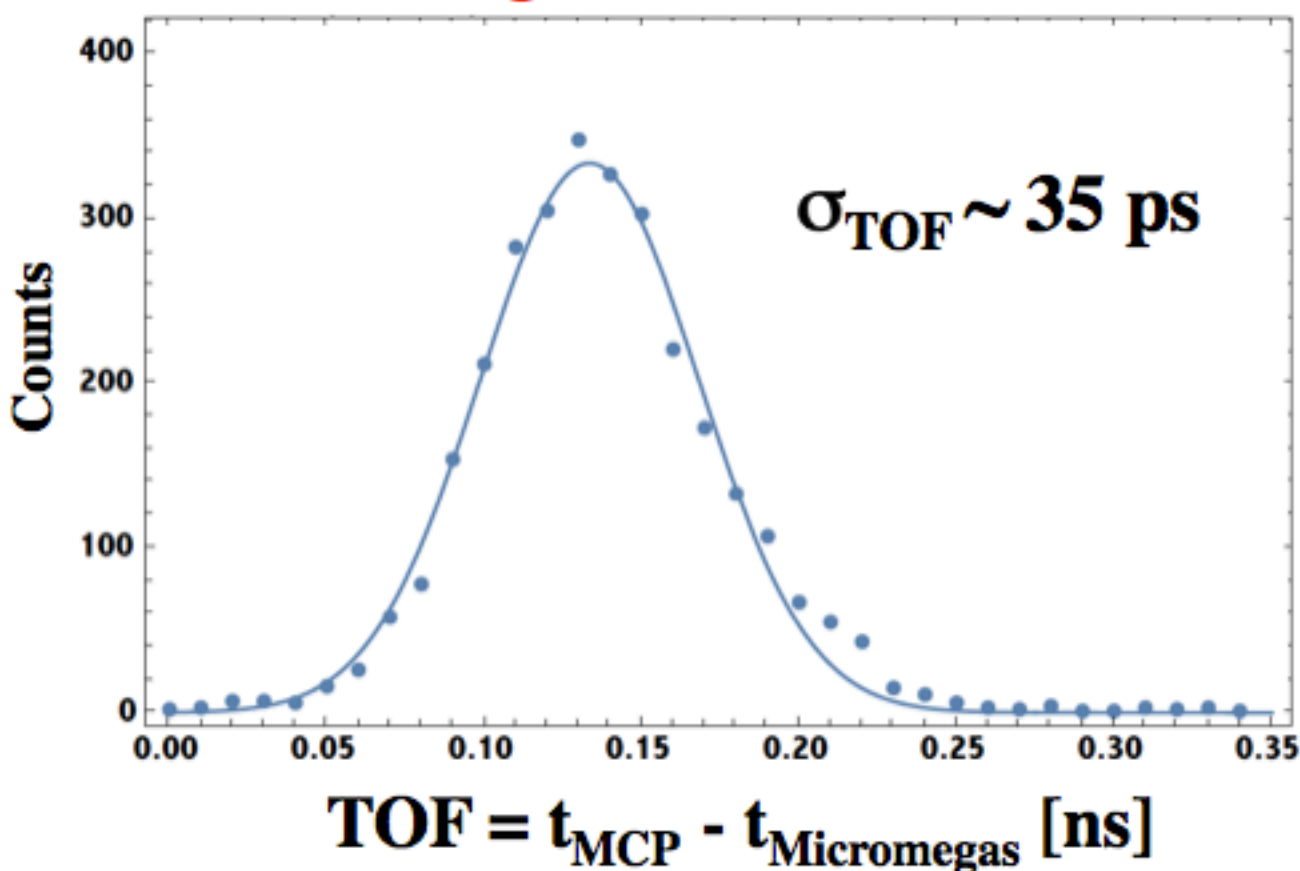
- Photocathode: CsI (~6nm thick)
- Gas: Ne-CF₄-C₂H₆ (flowing)
- 3 mm thick MgF₂ window
- Goal: $N_{pe} \sim 30$ pe/cm (?)

**MCP vs.
Micromegas
risetimes:**

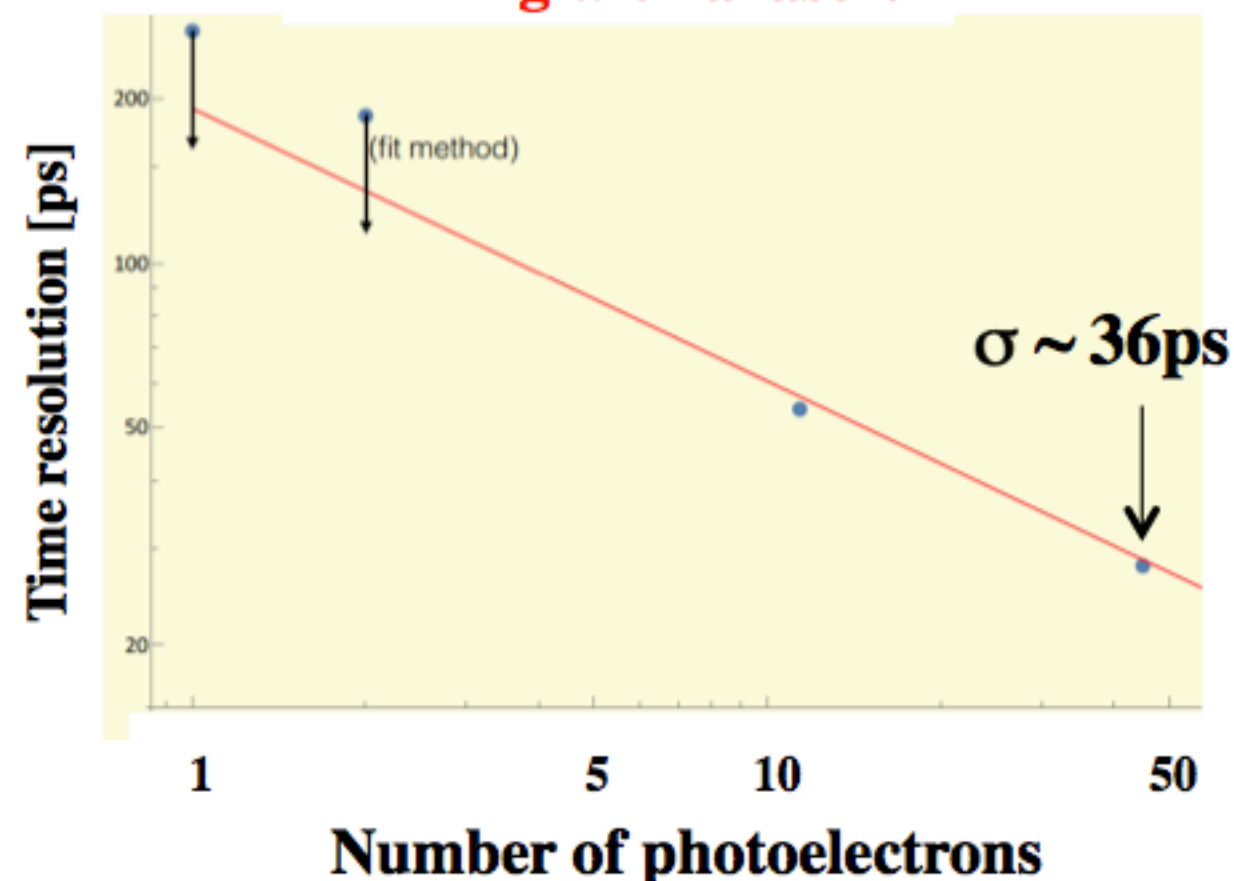


Very preliminary !!

Timing with a muon beam:



Timing with a laser:



- **Very good result, still limited by $\sigma_{\text{longitudinal}}$ and N_{pe} , i.e., it could still be improved.**
- **Y. Giomataris: Goal for the moment is to help to solve a pile-up problem at LHC.**