



***FCC ee  
studies  
during the  
IAP  
at MIT***

**Christoph Paus  
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# *Welcome to FCCee*

January for FCC ee was an active period

- Participants: Brenda, Sofia, Ru, Tim, Denis, Bella and Marina
- Listners: Julius and Pieter
- Directing: Jan, Luca, Zhangqier, Chad and CP

Today

- Summary talks about work done during the IAP project
- Short discussion on results and what worked and what did not ....
- Dinner at the 'Mad Monkfish' on Mass Avenue in Cambridge

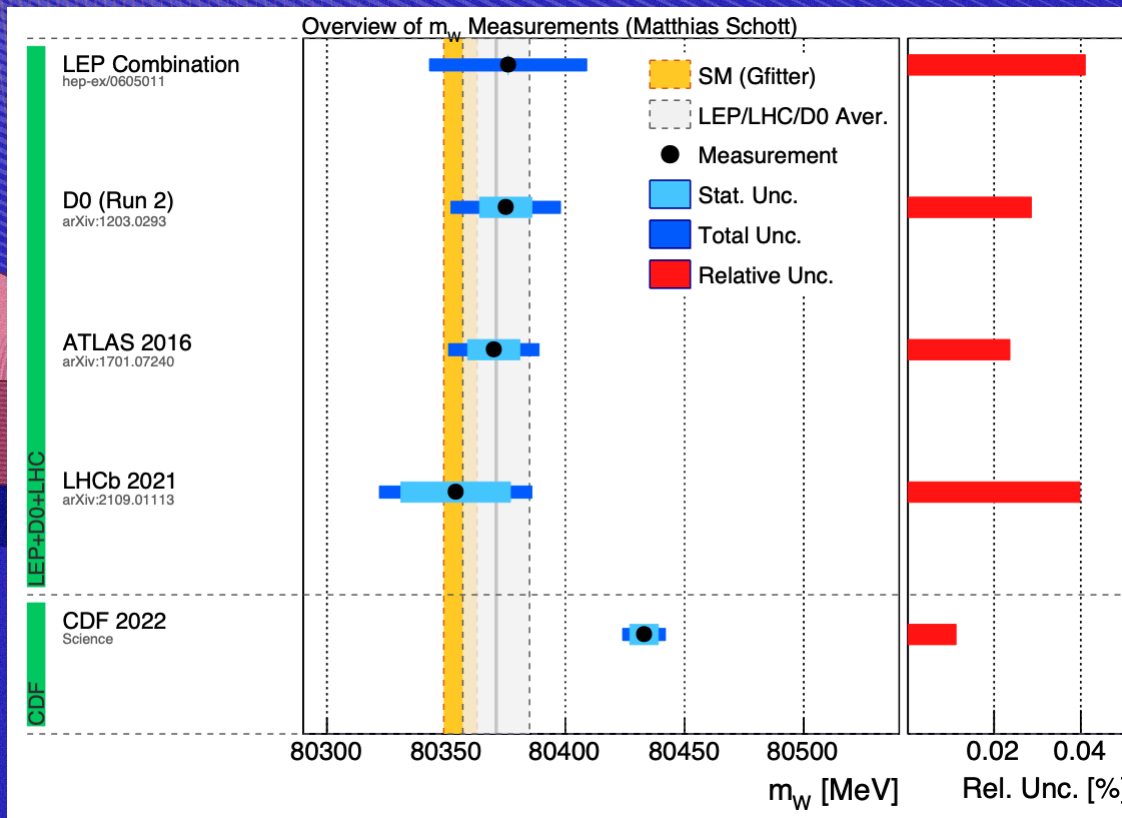
What is next?

- Should we do something like that again?
- Anyone interested in continuing the work? Summer project to go to CERN (Geneva, Switzerland?)

# Why do precision EW?

## CDF experiments last word

- $W$  mass too heavy by seven standard deviations !



Source: <https://non-trivial-solution.blogspot.com/2022/04/do-we-have-finally-found-new-physics.html>

Source: <https://www.quantamagazine.org/fermilab-says-particle-is-heavy-enough-to-break-the-standard-model-20220407/>