

FCC-ee studies during IAP

Christoph Paus February 1, 2024

Welcome to FCC-ee

January for FCC-ee was an active period

- Participants from MIT, Maryland and Purdue
 - Maryland: Aneesh, Caitlin, Georg, Jaime, Joshua R., Othello, Sarah, Satvik
 - Purdue: Andrew W., Nikhil, Caden
 - MIT: Ayman, Casey, Nate, Tim, Charlotte, Isabella, Kristian, Peyton, Saina, Chinar
- Directing: Jan, Luca, Chris, Andreas 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?

- 'Real' US FCC workshop is in March ... we need to refine what we have
- We need to organize weekly progress meetings and some lectures
- Spring/Summer projects to go to CERN, Fermilab, or stay at MIT

Why do precision EW?

CDF experiments last word

W mass too heavy by seven standard deviations!

