

Flavor Physics and  $CP$  Violation

**FPCP 2016**

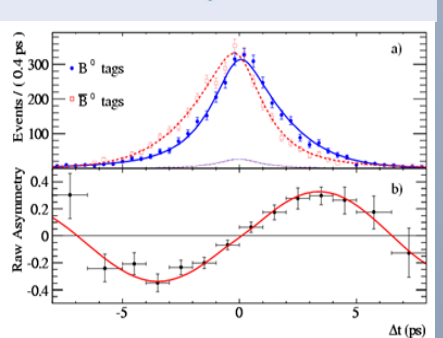
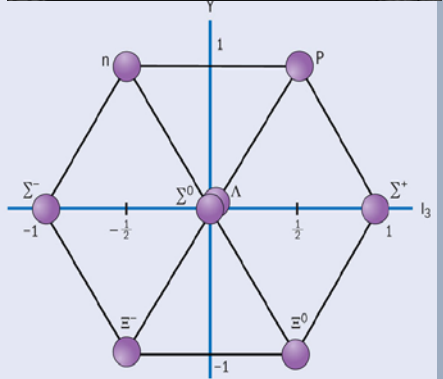
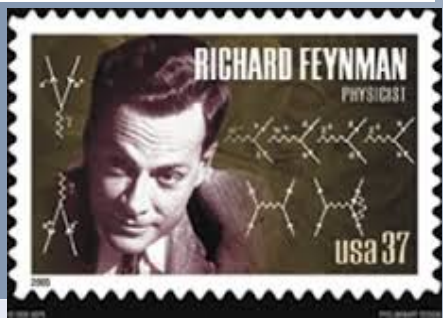
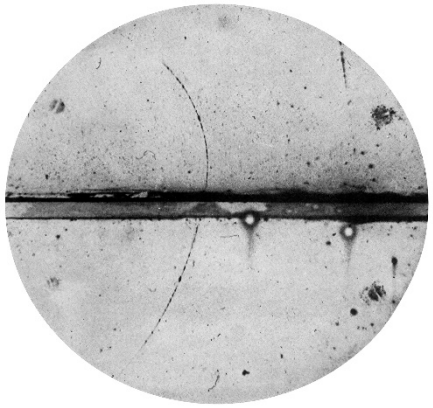
Pasadena, CA USA

June 5-9, 2016

Markus Röhrken  
Caltech

# Caltech has a long history in Flavor Physics

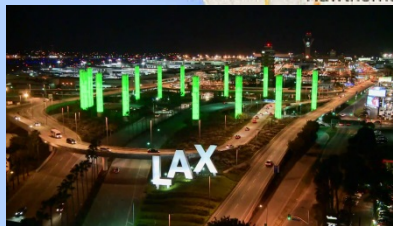
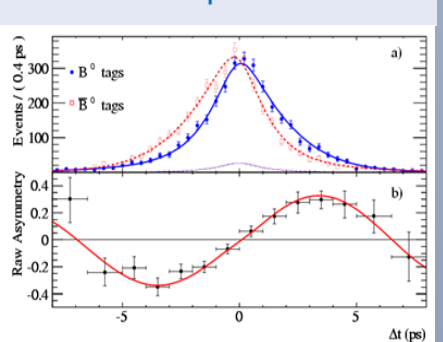
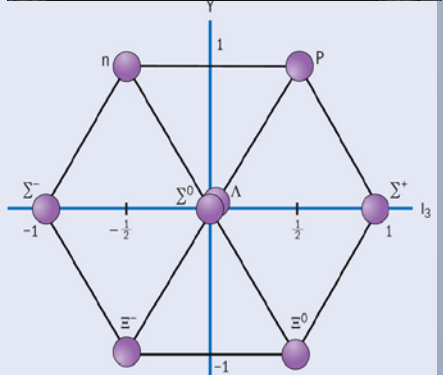
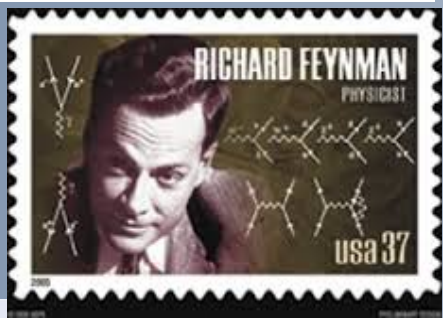
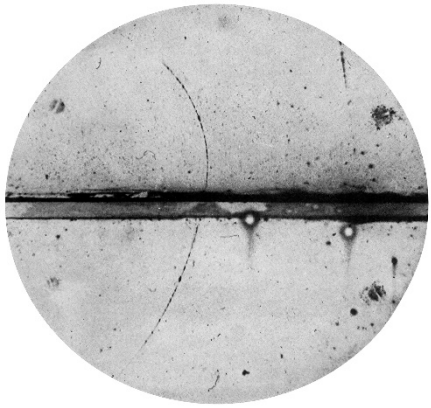
- › Discovery of the positron - Anderson 1932
- › Discovery of the muon – Anderson and Neddermeyer 1937
- › QED – Feynman 1949
- › The Eightfold Way – Gell-Mann
- › Quarks - Gell-Mann and Zweig
- › QCD – Fritzsche and Gell-Mann
- › HQET – Isgur and Wise
- › Modern experiments
  - Crystal Ball (SPEAR & DORIS)
  - Mark III (SPEAR)
  - Mark II and SLD (SLC)
  - CLEO II (CESR)
  - *BABAR* (PEP-II)
  - Mu2e (Fermilab)





# The Los Angeles area/Pasadena/Caltech

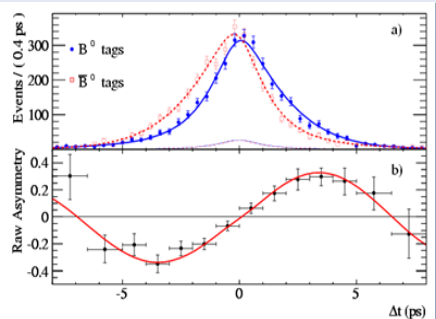
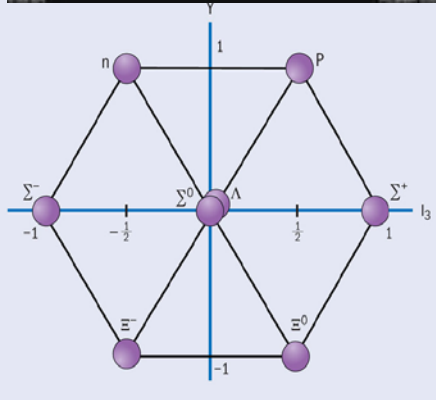
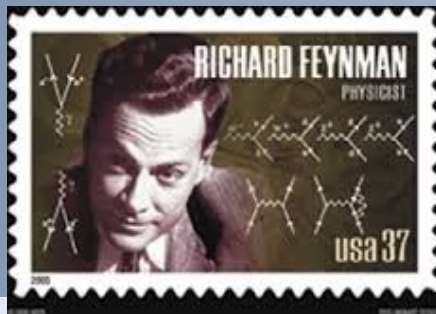
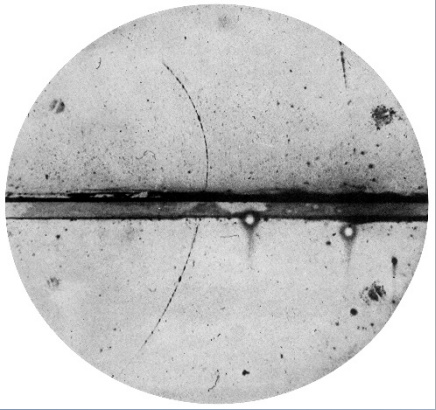
- › Los Angeles is both a county and a city
- › LA county has a population of 9.8 million, an area of 10,570 km<sup>2</sup> and contains 88 cities
- › Caltech is in Pasadena, a city within LA County, having a population of 137,000

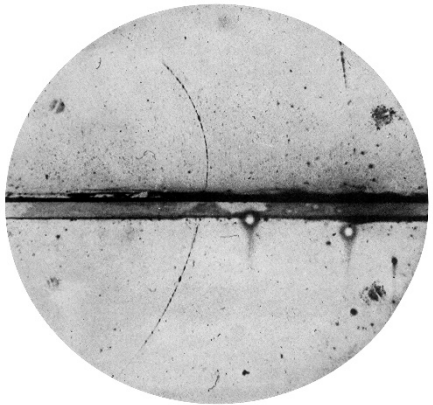




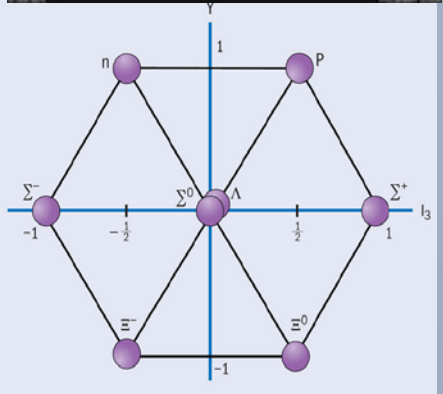
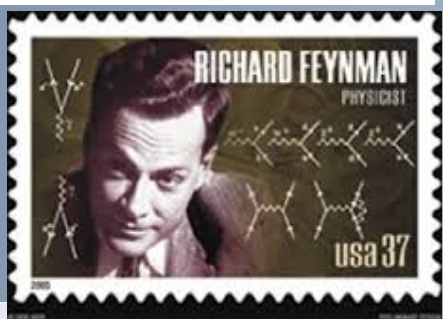
# Conferences at Caltech

- › We have hosted many conferences and large collaboration meetings over the years:
  - HF9 – 2001 Forerunner of FPCP prior to merger with *BCP*
  - Many collaboration meetings: MACRO, SLD, *BABAR*, SuperB, MINOS, Nova .....
- › Format will be all plenary, as is customary at FPCP
- › Organizational details are currently being worked out
  - Registration fee
  - Accommodations at local hotels in downtown Pasadena
    - › Will likely run a morning/afternoon shuttle to downtown hotels
    - › There are motels within walking distance of campus
  - International Advisory Committee and Local Organizing Committees are being formed

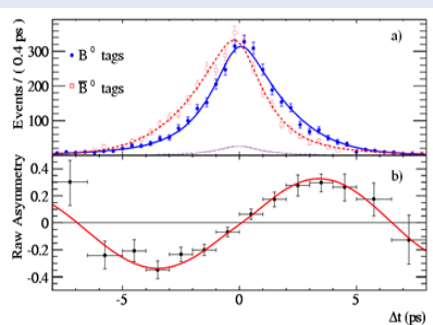




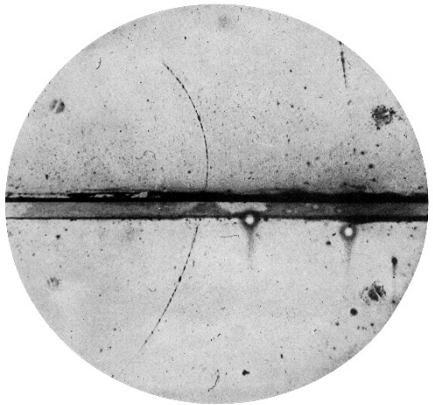
# Venue – Hameetman Auditorium in the Cahill Astrophysics Building



Cahill is diagonally across California Blvd  
from the Lauritsen HEP building

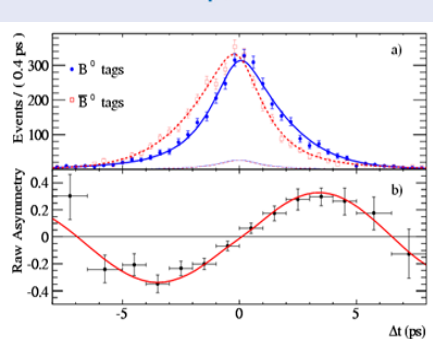
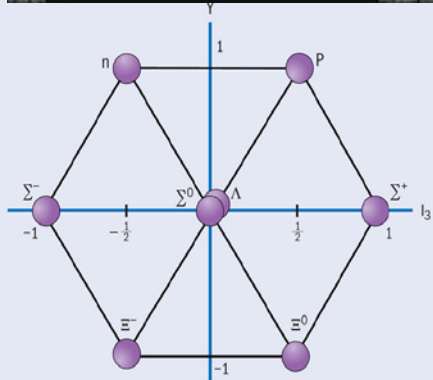
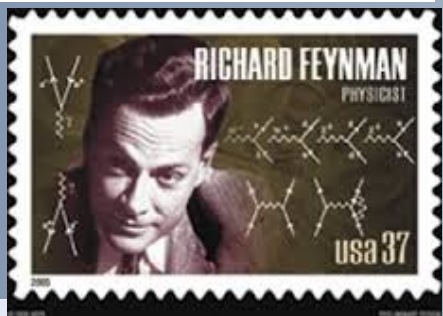






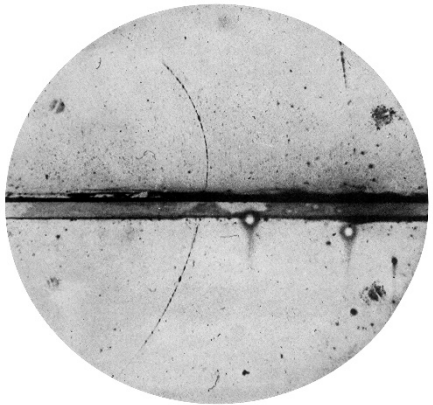
# Social Events

- › Welcoming reception on campus on June 5 (Sunday afternoon)
- › Buffet dinner at the Athenaeum (Faculty Club)
- › There will not be an excursion
  - Rather, we will spend one day sessions at the Huntington Library and Gardens, which is close to Caltech
  - Sessions will be slightly shortened, allowing participants to stroll in the beautiful gardens and to visit the library and museums
  - This allows us to use a four day format: June 6-9

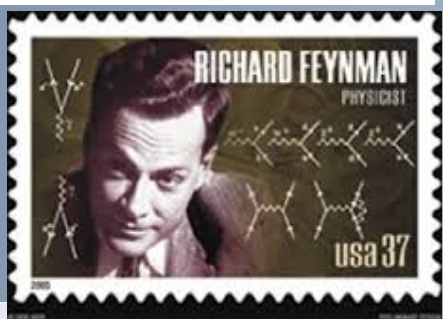


Principia Mathematica

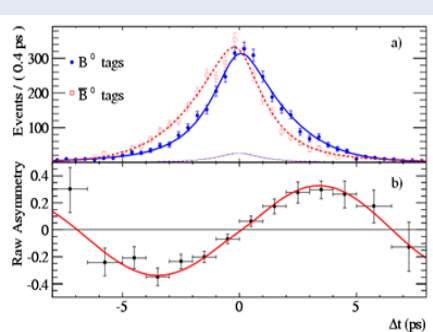
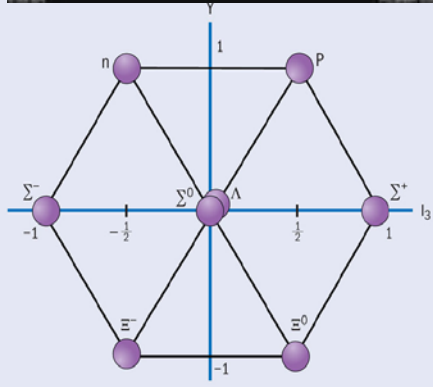
Gainsborough's Blue Boy



Please put FPCP 2016 on your calendar  
for June 5-9, 2016



and come to Pasadena with your latest, most exciting  
results in flavor physics



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**FPCP 2016**

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