

About Me

Background, past activities

Out of academia background:

- From the Basque Country, Spain
- Play music
- Philosophy/Sociology
- Photography



Academic background:

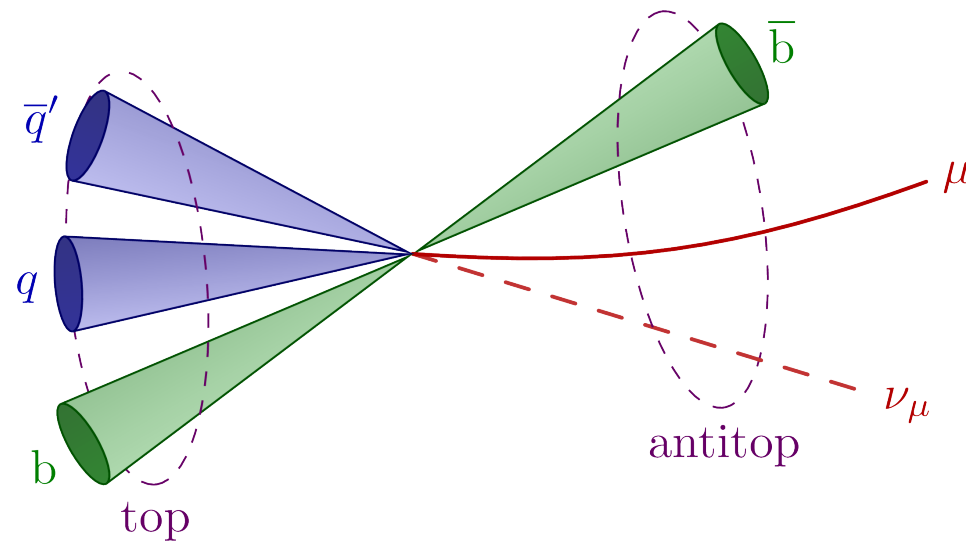
- Bachelor in Physics (Euskal Herriko Unibertsitatea):
 - Bachelor thesis: *Parton Distribution Functions*
- Master in High energy physics, Cosmology and Astrophysics (Universitat Autònoma de Barcelona):
 - Master thesis: *On Broad Kaluza-Klein Gluons*
- PhD in the CMS group at DESY and Universiteit Antwerpen
 - PhD thesis: *Z boson production in association with jets: measurement and phenomenology*

My Current Work

Activities and challenges

Jet substructure with boosted top quarks:

- All the decay products of the top quark confined in a large cone jet
- Clear substructure: 3 sub-jets (2 jets from the W boson and 1 b jet)
- Find interesting observables to disentangle hadronisation and the final state shower (Lund Jet Planes)



CMS tracker upgrade:

- Assembly of PS module

The question I always like to ask

Is fundamental science detached from society?