Data does not grow on trees lectures

Quick summary of a few email exchanges with Francesco, Justine Giulio and Yasmine

Data does not grow on trees lectures

Purpose : Aim to be short and sweet, given how vast the topics are, ask the lecturer to give as many references as possible. Accessible for young students & theorists ;-)

- Vertexing (Why do we care much about silicon ?)
- PID (This one is so useful for flavour physics ! Rich/Quartz etc.)
- Tracking (High PT, low PT, pattern recognition, Kalman Filters etc.)
- Calorimetry (electrons, photons, you name it)
- Data processing (trigger/reconstruction, from a detector to your laptop).
- Data analysis (from your laptop to a paper, selections, fits, systematics).

Possible structures

- 2h per week for 6 weeks for all the topics
- Focus instead on one or two topics during several sessions (ie : intro followed by detailed)

DEFINITIONS 1

1 **used for telling someone that they should not waste or ignore something, because it is valuable and not easy to get**