

# Moving out of Academia to ... Big Data

Davide Gerbaudo

21 September 2018, CERN

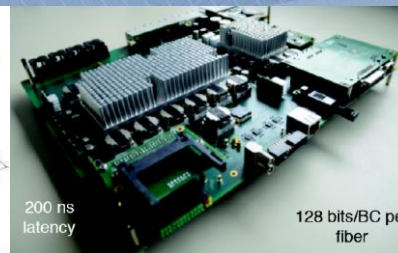
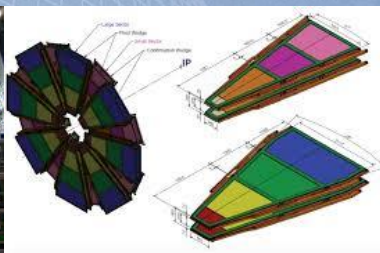


CMS Si  $\mu$ -strips

CMS calorimeter

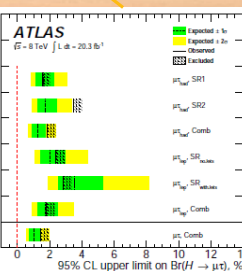
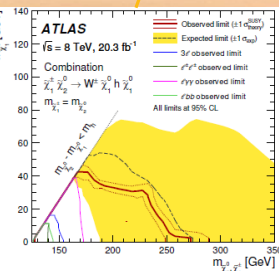
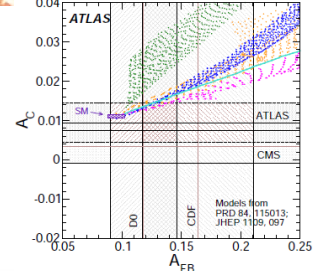
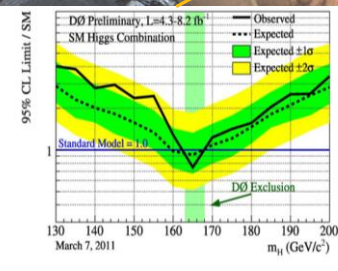
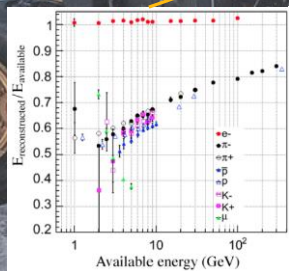
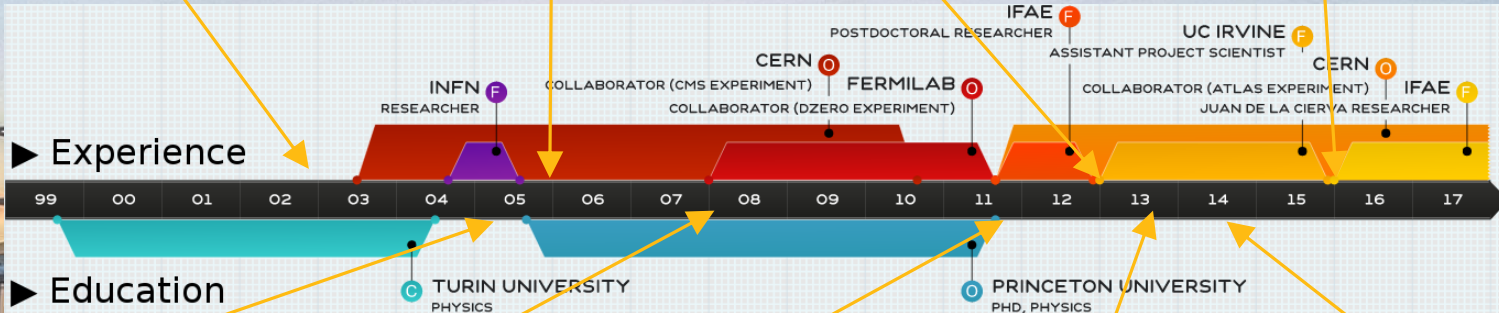
ATLAS NSW

ATLAS L1Topo



200 ns latency

128 bits/BC per fiber



Calibration

$H \rightarrow WW \rightarrow l\nu l\nu$

Top quark

SUSY  $\rightarrow$  WH

LFBV  $H \rightarrow \tau\tau$



## 2017 CATERPILLAR FACT SHEET

### PRODUCT LINE



Construction



Mining Equipment



Diesel & Natural Gas Engines



Industrial Gas Turbines



Diesel-Electric Locomotive



**3 Million+**  
Products at Work  
Around the World\*



**95,400**  
Full-time Employment\*



**59%**  
Sales and Revenues  
Outside the United States\*

