

# Moving out of Academia to ... Big Data

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21 September 2018, CERN

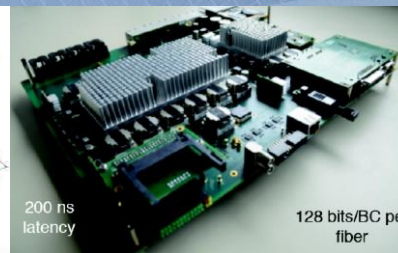
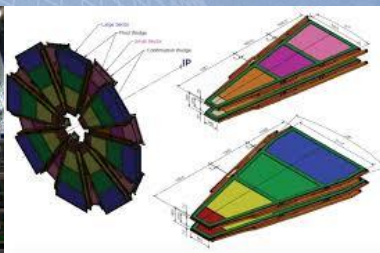


CMS Si  $\mu$ -strips

CMS calorimeter

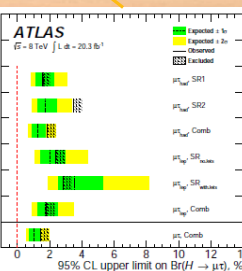
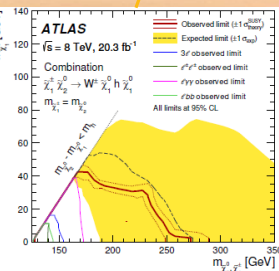
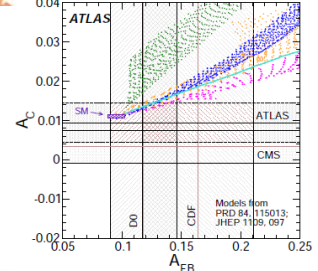
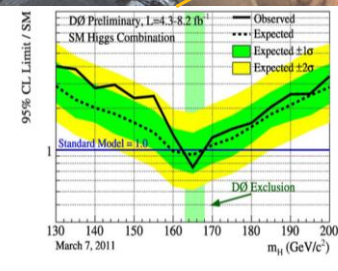
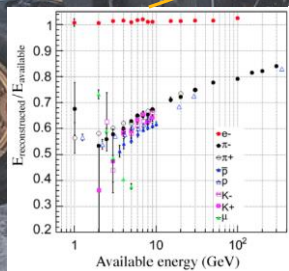
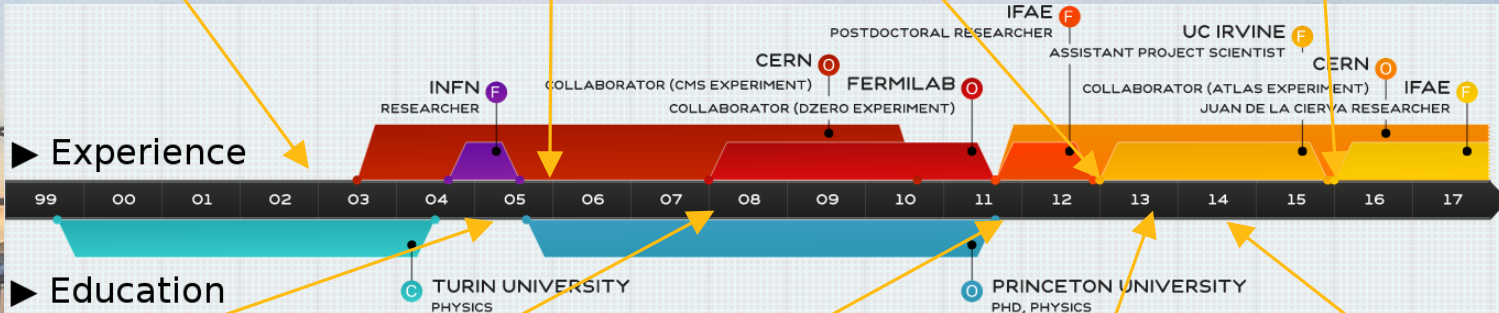
ATLAS NSW

ATLAS L1Topo



200 ns latency

128 bits/BC per fiber



Calibration

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

Top quark

SUSY  $\rightarrow$  WH

LFV  $H \rightarrow \mu\tau$





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