

Un parcours

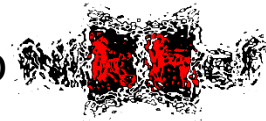
Bernardo Resende

Irfu - 03/05/2016

Thesis

- Quark top studies with ATLAS at the LHC
 - Measuring polarization of top-antitop pairs through the topology of semi-leptonic events
 - Monte Carlo simulation benchmarking
- Electromagnetic calorimeter commissioning
 - Handling saturation and gain level transitions
 - Plugging a few wires

Optimized jury selectio



200
4

200
7

Post-doc (1)

- Muon reconstruction software commissioning
 - Assisting Rosy in community animation
 - Coordination with software and LCG groups
 - Preparation for the LHC startup in ~~2008~~ 2009
- Inner trace tagging with muon spectrometer info
 - Completing cosmic muon acceptance

Timely resource fundin



Post-doc (2)



- Muon reconstruction software
 - Performance benchmarking and improvement
- Data pre-selection tool for the Standard Model physics group
 - Coordination of one PhD student
- WZ diboson search with 2010 data (7 TeV)
 - Cut-based search definition and improvement
 - Coordination of two PhD students

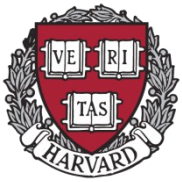
Spontaneous availability
spreading ☐



201

201

Post-doc (2 1/2)



- WZ diboson search with 2010 data (7 TeV)
 - Finalization of physics paper
 - Data selection and management tools
 - Coordination of one PhD student and one undergraduate

Head-first diving



2012

2012

Intermezzo



- First interviews through alumni network
 - Adapting the pitch
- Spontaneous applications
 - Adapting the CV
- Propositions
 - Topic selection
 - Work environment selection

201
2

201
3

Intermezzo



- First interviews through **alumni network**
 - Adapting the pitch
- Spontaneous applications
 - Adapting the CV
- Propositions
 - Topic selection
 - Work environment selection



Intermezzo

- First interviews through alumni network
 - Adapting the **pitch**
- Spontaneous applications
 - Adapting the CV
- Propositions
 - Topic selection
 - Work environment selection



Intermezzo

- First interviews through alumni network
 - Adapting the pitch
- **Spontaneous** applications
 - Adapting the CV
- Propositions
 - Topic selection
 - Work environment selection



Intermezzo

- First interviews through alumni network
 - Adapting the pitch
- Spontaneous applications
 - Adapting the CV
- Propositions
 - Topic selection
 - **Work environment** selection

Hand-held weight comparison



CDI (1)

THALES

3 Software architect

2013

20

Software architect

- Collecting business needs (pre-sales)
- Architecture design
- Convincing and leading development teams

Project management

- Team coordination
- Communication, internal and external
- Budget and resources handling
- Accountability towards stakeholders

Different

OPEN



Software architect

- Collecting physics needs (theory)
- Physics analysis design
- Convincing and leading PhD/post-docs teams

Project management

- Team coordination
- Communication, internal and external
- Funding and researchers handling
- Accountability towards stakeholders

Different... yet so very similar

