

Workshop on FPGAs for High Energy Physics

(perhaps we forgot the word RADIATION)

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FERENCEI, and others

Special thanks for Philippe Farthouat

How did this start?

Once upon a time....

The idea of using FPGA in the ATLAS LAr front end board surfaced...

I contacted Austin Lesea from Xilinx via a Social Network site, and he invited me to participate in the XRTC, the Xilinx Radiation Test Consortium...

In the meeting I met Mike, and we started to collaborate.

So here we are...

What is this workshop about?

First, this is an **informal meeting!** So please keep this in mind.

It is a good idea to use FPGAs, but they are complex objects!
but payoff is good.

Wide group of people, different experiments, and different needs.

As we spoke to more people, we became aware of each other's work and needs (and overlap).

Goals

1. Share experimental irradiation data (how?)
2. Possibility of creating a repository at CERN for FPGA IP
3. Share knowledge, experience, results (how?)
4. Vendor information
5. Share test facilities (how?)
6. Discuss possibility of collecting data in-situ (how?)