

# ECal amplification chain: simulation

Trying to implement the new amplitude of the signal after the amplification chain and simulate the digitization of the fADC

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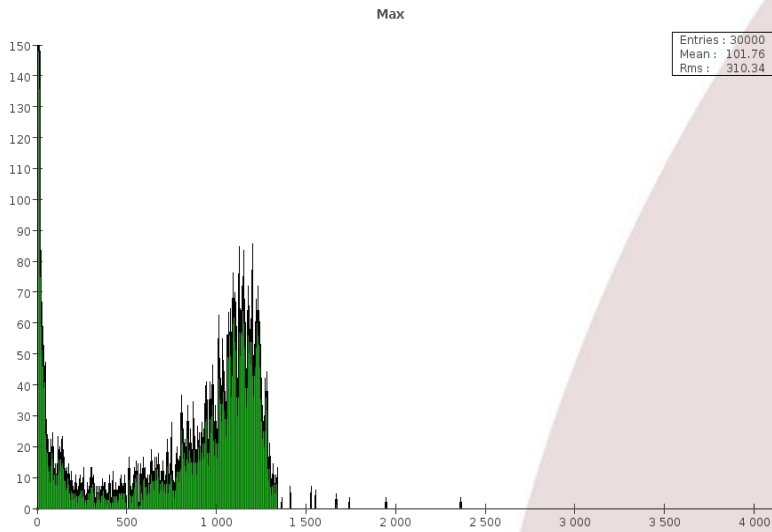
CNRS-IN2P3  
Université Paris-Sud

**Unité mixte de recherche**

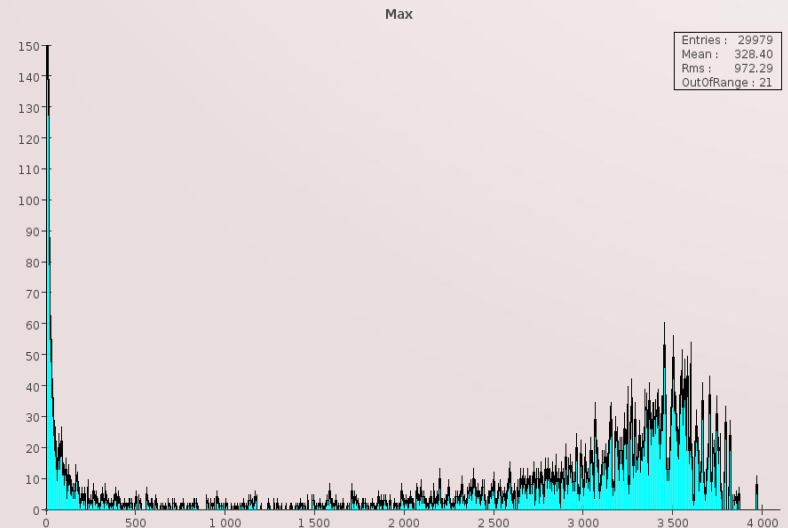
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**For each event, highest signal collected in all the crystals and for all buffers in ADC counts**



**2 GeV electrons**

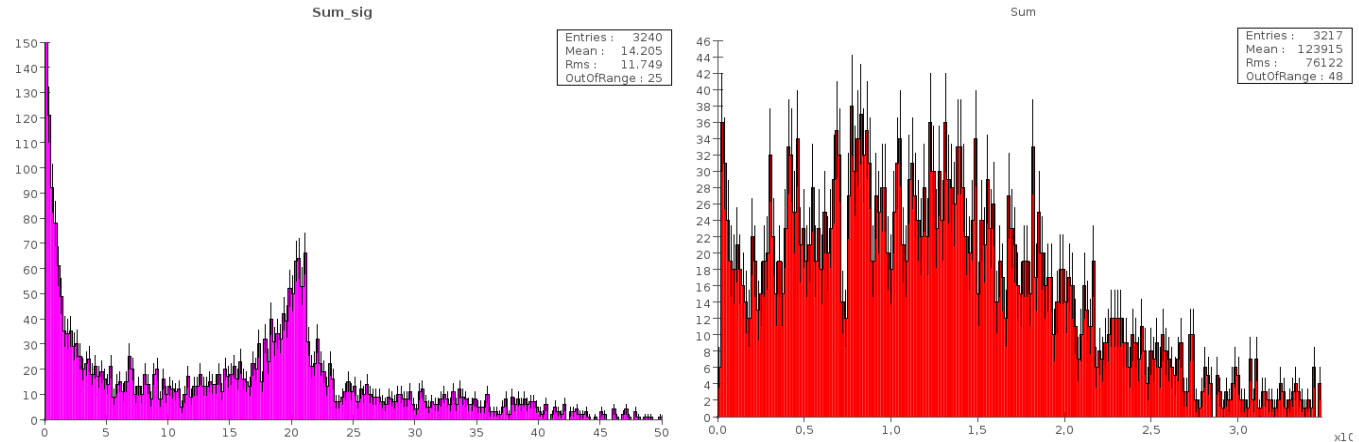


**6 GeV electrons**

For each event, sum of the signal collected in all the crystals and for all buffers in:

Volts  $\longleftrightarrow$   $\times 4096 / 2$   $\longleftrightarrow$  ADC counts

6 GeV



2 GeV

