

ROD Firmware status

Nico Giangiacomi

Università di Bologna, Dipartimento di Fisica e Astronomia
Istituto Nazionale di Fisica Nucleare - sezione Bologna

nico.giangiacomi@bo.infn.it

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Smart L1ID Forwarding Status

First **test firmware** produced.

Firmware summary:

- new HTL and DOVR are implemented in the firmware
- HTL counters are not implemented in the firmware
- **new register** 0x814 to set the threshold on the amount of pending triggers before inhibition (default value:0x1F) → 5 bits register
- number of **pending trigger** is constantly **monitored**, the value is displayed in module trailer bits 11-7
- xc signals have been **delayed**, now it takes **5 more BCs** to be forwarded to the front-end (delay should go from 11 BCs to 16 BCs)
- if number of pending trigger > threshold, trigger is not forwarded
- if trigger is not forwarded, an empty event is generated for that module.
header: **2xxxbaad**
trailer: **4080xbad**
- correction for module L1ID is NOT implemented.