



# SMART L11D FORWARDING: SOME RESULTS

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## **TESTS**

Test 1: protection mechanism disabled, only monitoring

TRIGGER RATE (kHz)	SKIPPED (MAX)	PENDING (MAX)	
15	1	17	> reasonable
30	9	25	
40	>15	OVERFLOW (~>64)	Not ok

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### **TESTS**

Test 2: protection mechanism active, threshold: 20 pending triggers

- 15 kHz: no effect
- 30 kHz: "protection induced desynchronization" (empty events added when trigger is not propagated) ~ 5 times higher than previous test

#### **TESTS**

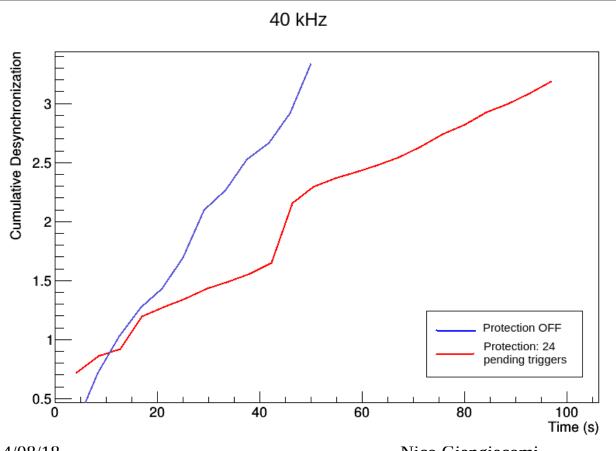
Test 3: protection mechanism active, threshold: 25 pending triggers

• 15 kHz: no effect

• 30 kHz: no effect

• 40 kHz: reduced amount of total desynchronization

### TEST 3



#### **Conclusions:**

- Detection
  mechanism needs
  some rework →
  not reliable
- Mechanism still useful to keep system under control

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