SciFi Light Injection System

Discussion of acceptance criteria and test of a method to recover rejected lightbars

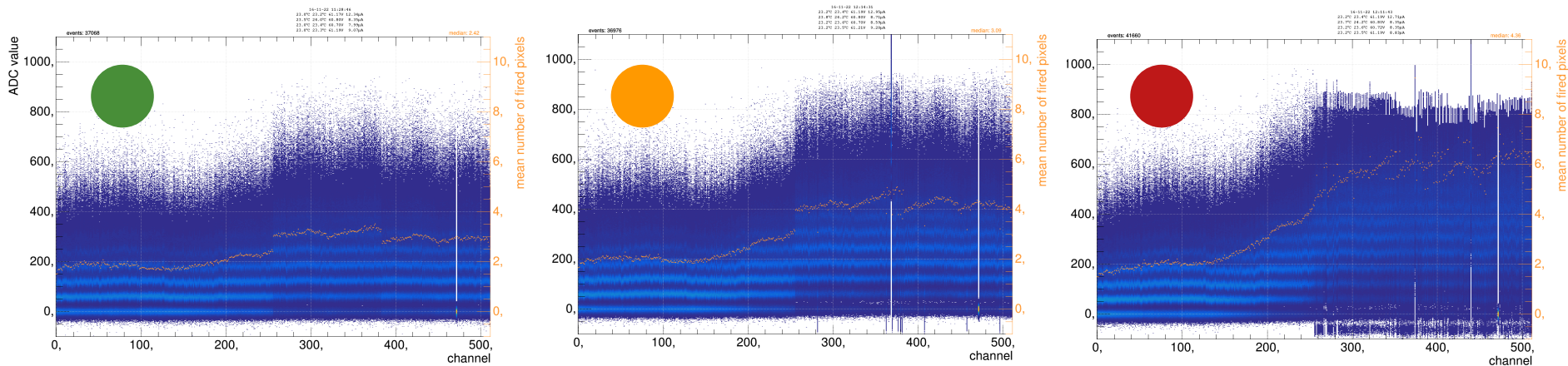Daniel Berninghoff

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Acceptance Criteria

Good vs. bad lightbars

- Tested 31 new lightbars with the QA stand
  - » 12 (~40%) lightbars do not fit the criteria to show at least 5 photopeaks over the entire length (without the pedestal getting too faint anywhere)

? Are we okay with a rejection rate of O(40%) or do we want to consider a looser acceptance criteria ?

Recovering rejected lightbars?

Painting the lightbars

- General trend: lightbars have high intensity in the first part and much less at the end
- A lot of effort has been put into improving the scratching technique but the problem remains

  » New approach:
  Recovering the lightbars <u>after</u> the scratching by painting them in the first part (~cm)

Recovering rejected lightbars?

Original vs. Painted

Arduino

Original

Painted