GRAIN WG meeting

26/07/2024

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Overview

- 120 spill
- SiPM 3x3
- Simulations for
 - clock frequencies x1, x2, x4
 - Rq 500, 1000, 1500, 2000
 - Hold on 20 , 40 (100)

Lost fraction



Saturated fraction



Lost & Saturated fractions - overview





Saturated vs Lost fractions



Charge calibration – gain 0



Reconstructed charge – GAIN 0



Calibration for gain 1

Only the beginning of the distribution was fitted (n° ph <22)

Reconstructed charge

Using calibration for gain 0 and 1, the number of photons is reconstructed from ADC charge

Lost photons

Lost photons wrt MC photons

