



# **TPG** update

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## What went in the candidate release?

#### Algorithm development

- Make the Standard and AbsRS memory factors (R) configurable
- Make frugal streaming pedestal parameter update configurable
- Make standard RS R value configurable by plane

#### **Operations and support:**

- Automatic report generation of TP properties
- Tools to plot TP properties by plane
- Development of validation tools with fixed patterns
- Development of regression testing tools

#### Scalability of TPG algorithms using NP04 APAs in EHN1

### What was left?

- Basic TPG validation in DQM (in collab with DQM activity)
  - Add fail check conditions. Add plotting of the distribution of the TP properties

Need to find a person working on this activity

Only tested on one CPU generation:

- Standalone performance evaluation (incl. measurements, reports) of WIBEth TPG (CPU util, avx instructions, etc.) on available CPU generations in EHN1
- Hotspot analysis and profiling of TPG execution

# What needs to be done next?

Validation and tuning of the TPG algorithms in view of coldbox and NP04

**Gantt chart** 





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