



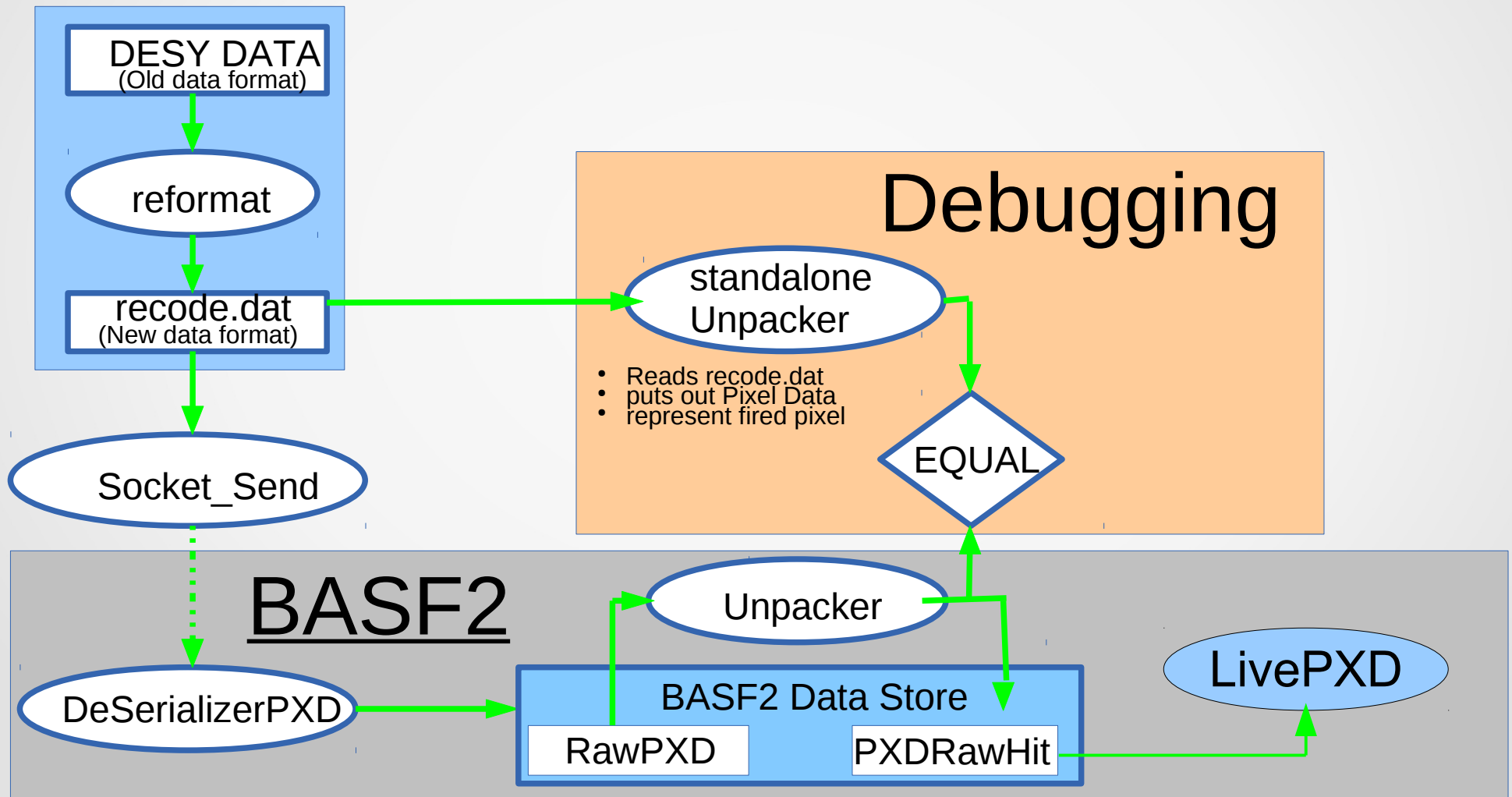
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Receiving, unpacking and visualization of PXD-Data

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Dataflow





The PXDRawHit-Class

- **DHH_ID**
- Row
- Column
- Charge
- **Trigger Offset (row where the readout cycle started)**
- Readout Frame Number

The variables above are saved for each fired pixel which is inefficient because we store the same Numbers for many pixels.



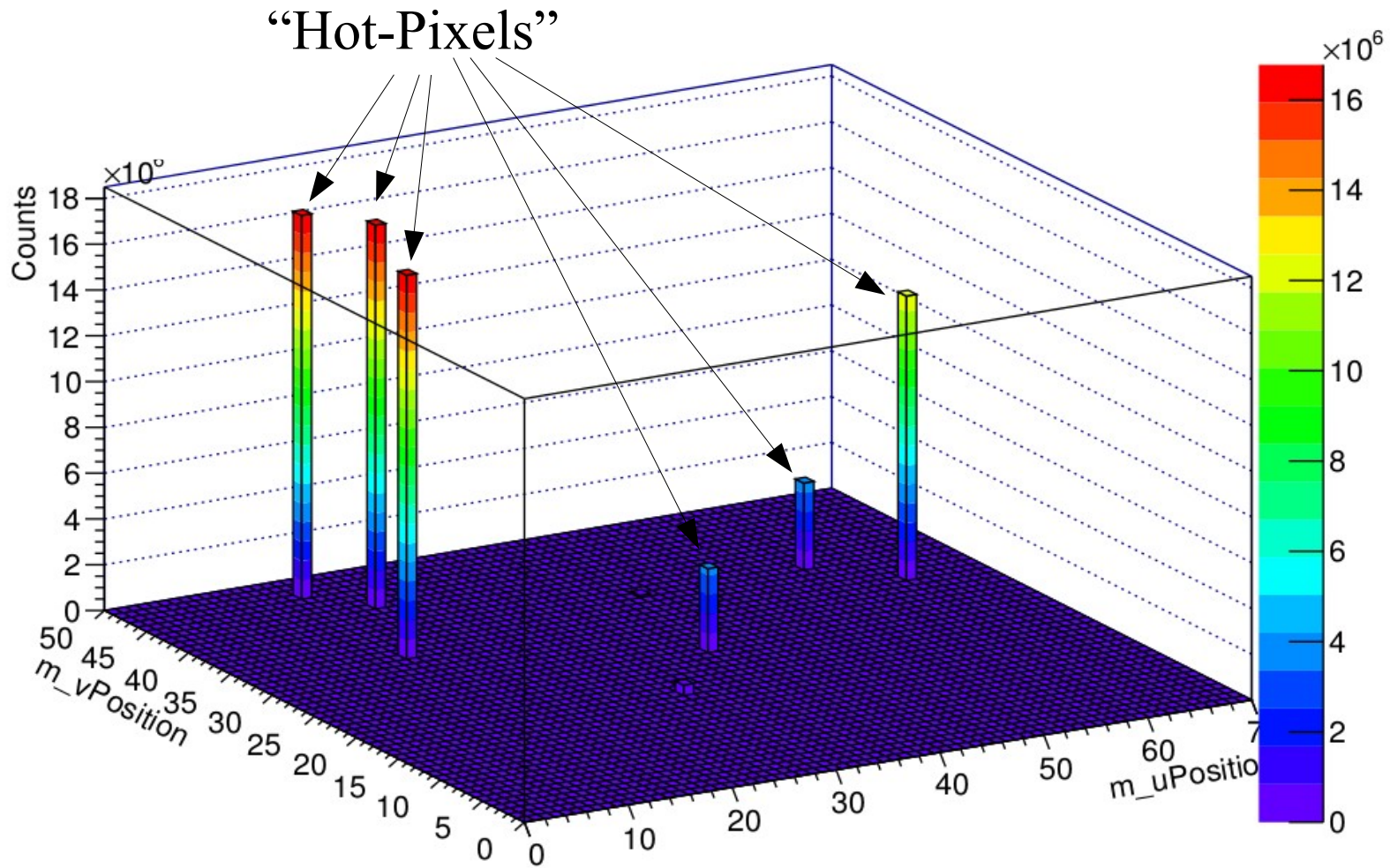
The PXDRawHit-Class

- **DHH_ID**
- Row
- Column
- Charge
- **Trigger Offset (row where the readout cycle started)**
- Readout Frame Number

Should be saved only once per half-ladder



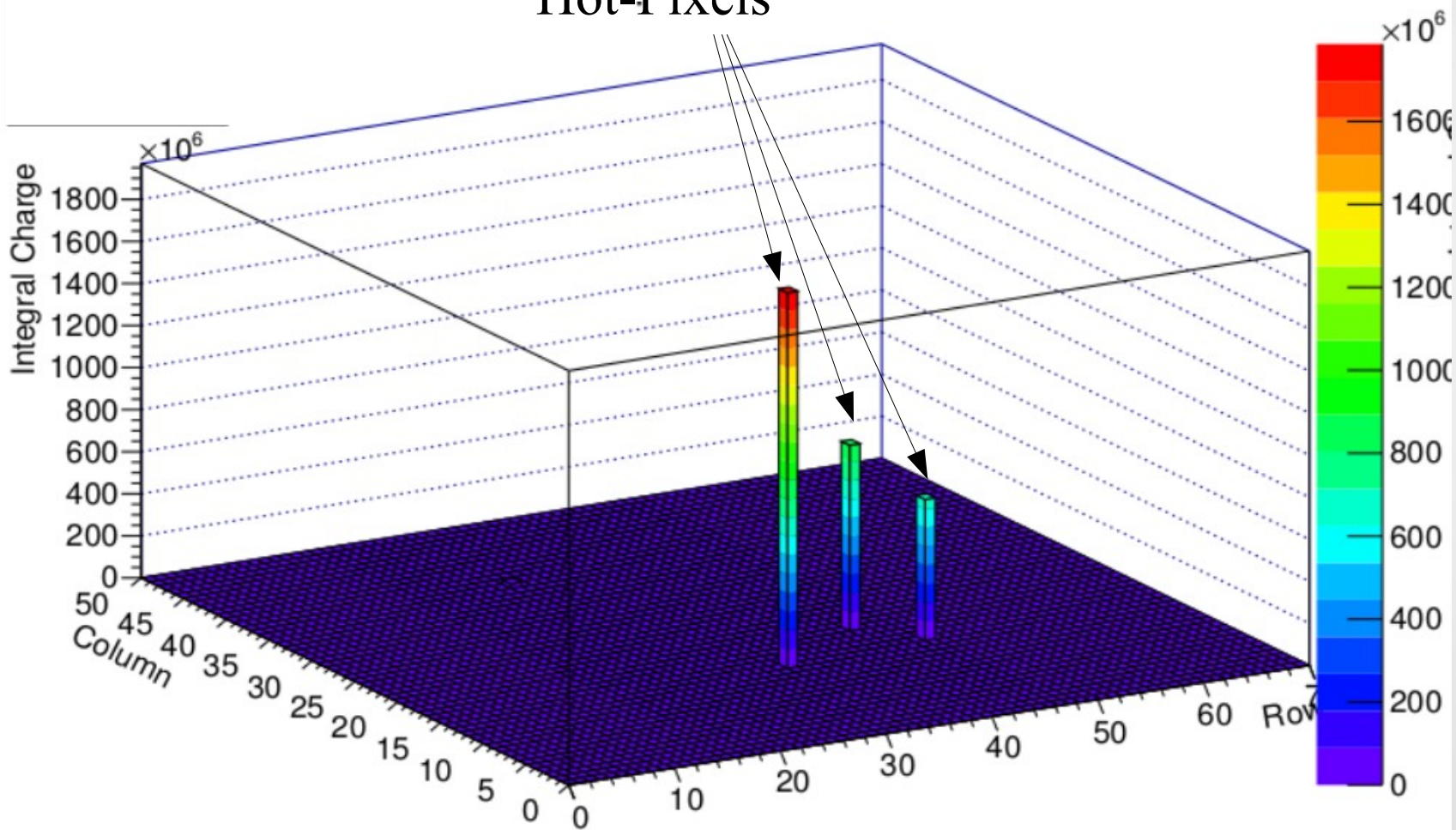
Counts of ALL Pixels





Integrated charge of ALL Pixels

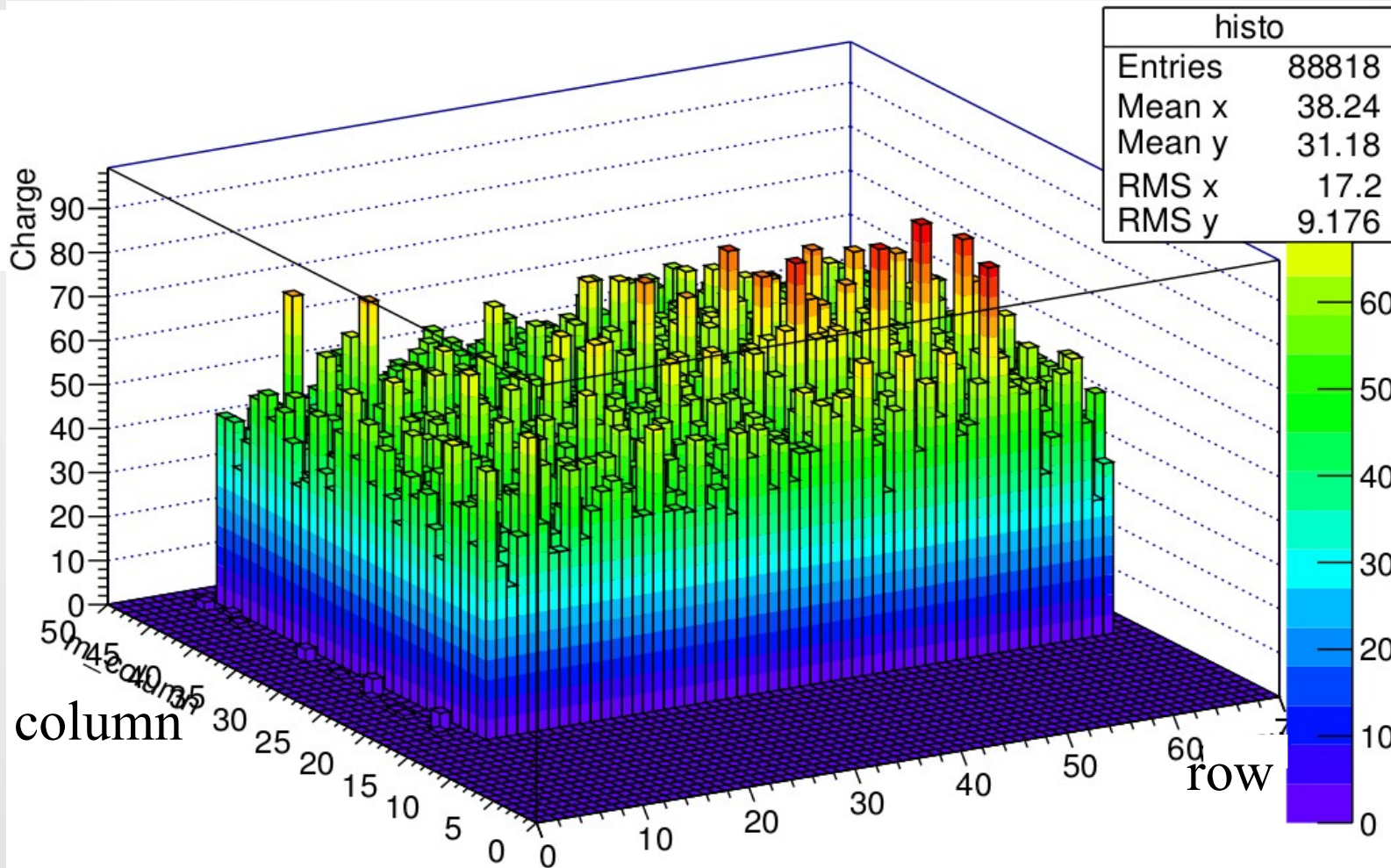
“Hot-Pixels”





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Integral charge without “Hot-Pixels”





Landau-Fit of a single Pixels Counts depending on the charge deposited on it

Pixel(45.28)

