



Your vision for the future of MX

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Trends in MX, NSLS-II, 2021-03-16

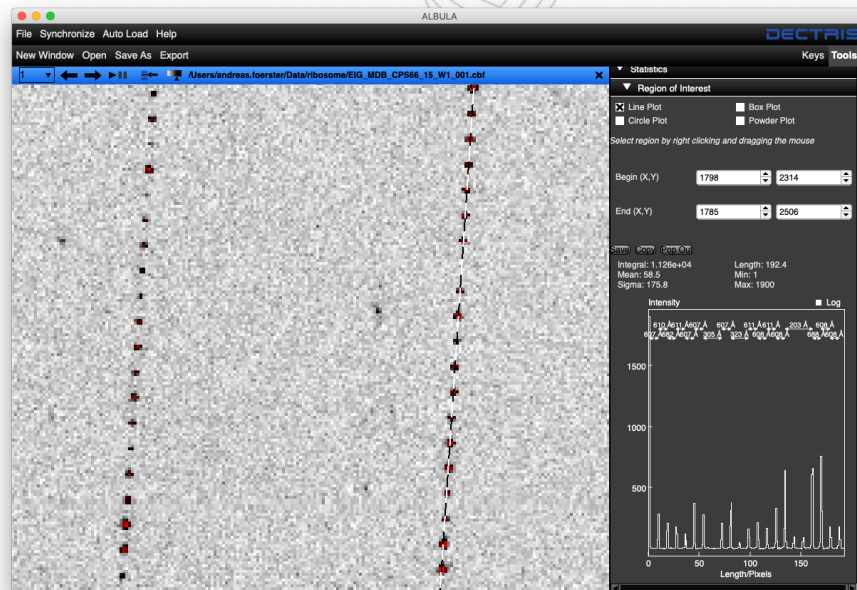
The new Albula

Our goal

- More powerful.
- More flexible.
- Partially open source.
- Better for your beamline.

Your ideas

- Contact me with specific needs and requirements.



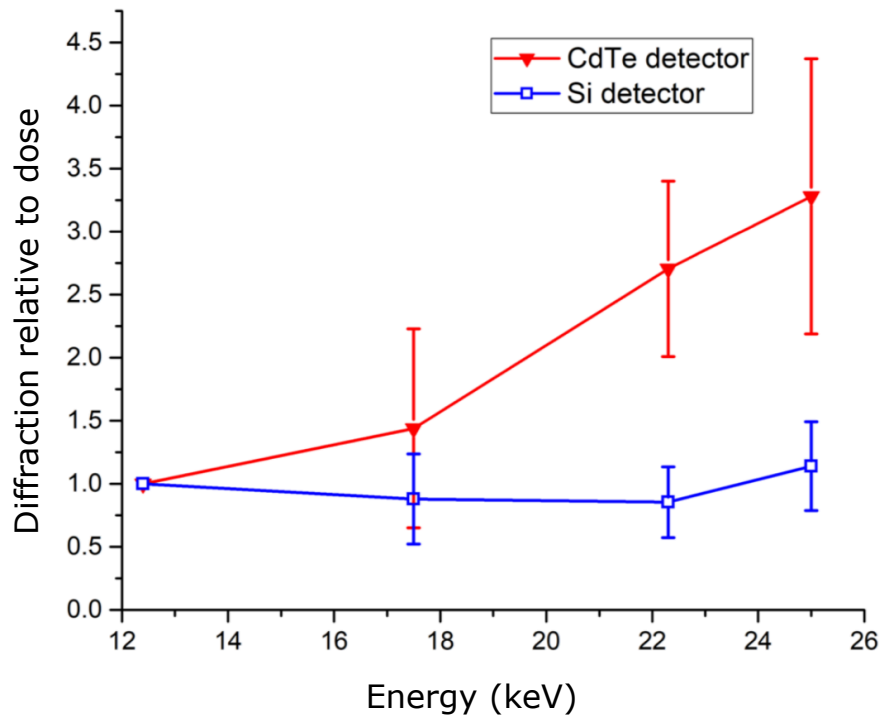
MX at high energies

More data per damage

- CdTe detectors to reach 26 keV.
- Alternative sensor materials.
- A new paradigm for SSX?

Your thoughts

- Do you see the benefit?
- What energy range to cover?



Storm (2021), bioRxiv

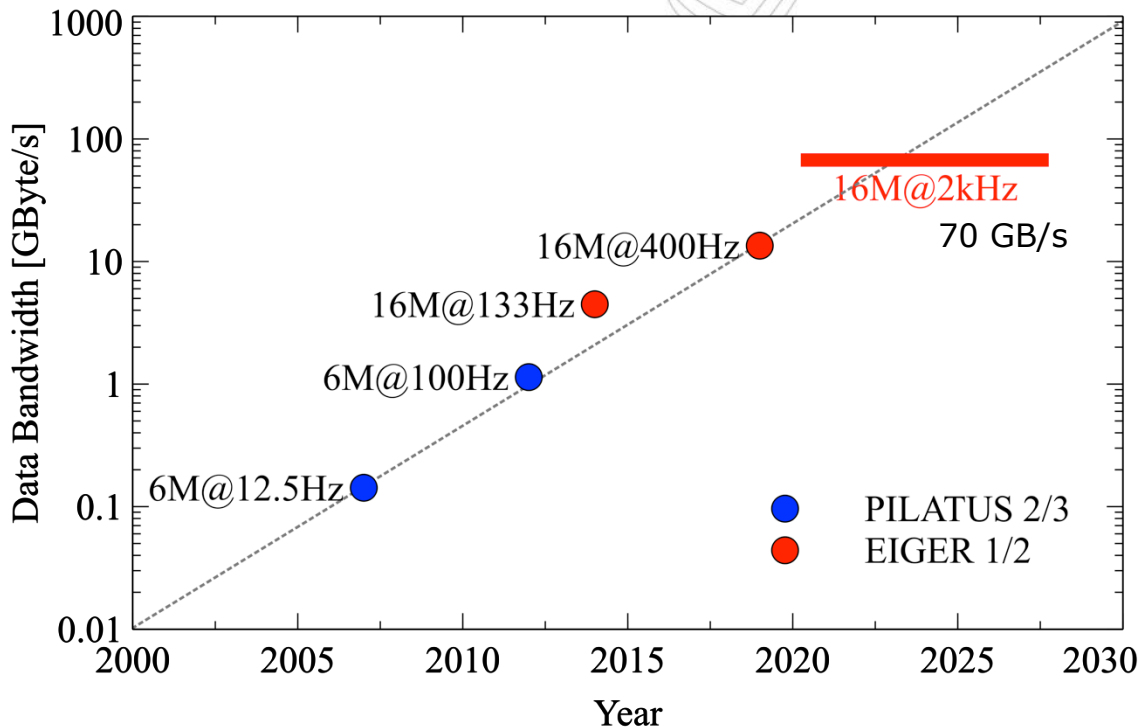
Detector development

Faster, faster, faster

- Higher data rate.
- Also higher count rate.

Your thoughts

- How fast is fast enough?



Visions for new detectors

Innovations for you

- Integrating detectors.*
- Data processing on FPGAs.*
- Pixel size mismatch.*

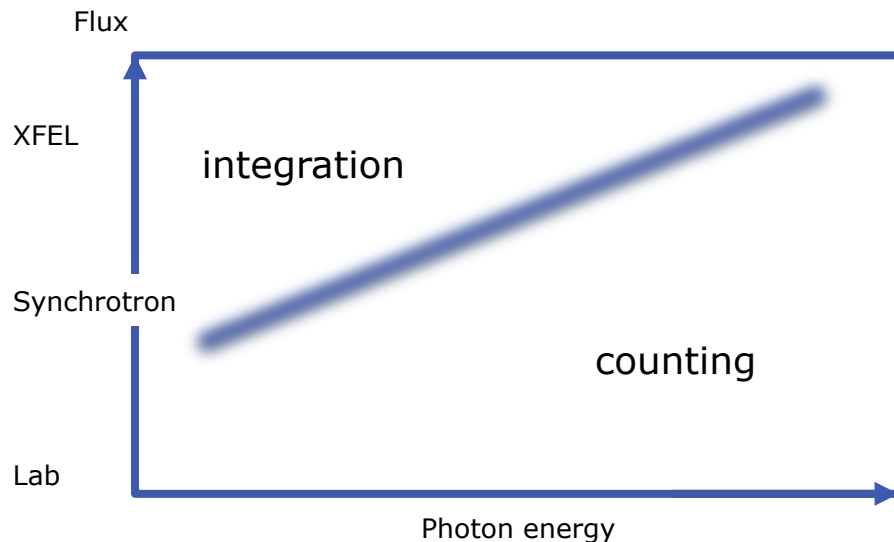
Visions for new detectors

Innovations for you

- *Integrating detectors.*
- *Data processing on FPGAs.*
- *Pixel size mismatch.*

Your advantages

- *Better data at lowest energies.*
- *Better data at highest flux.*
- *Work with pulsed sources.*



PSI JUNGFRAU

2021-03-17

Visions for new detectors

Innovations for you

- Integrating detectors.*
- Data processing on FPGAs.*
- Pixel size mismatch.*

Your advantages

- Less data to transfer.*
- Faster processing.*

Direct Electron Apollo

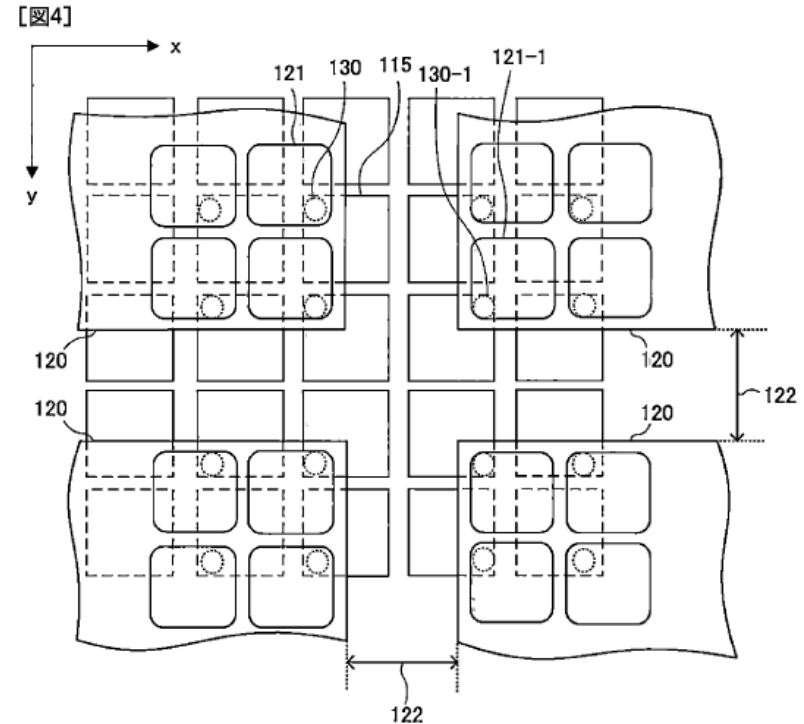
Visions for new detectors

Innovations for you

- Integrating detectors.
- Data processing on FPGAs.
- Pixel size mismatch.

Your advantage

- No virtual pixels at chip boundaries.



Rigaku XSPA-500K

2021-03-17



What is your vision?

www.dectris.com

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