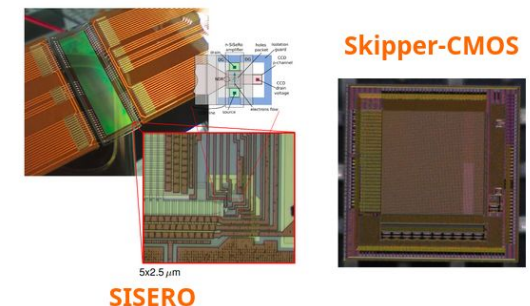
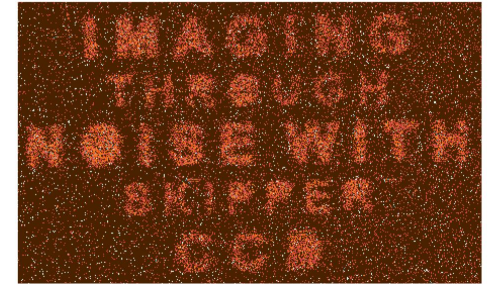


- **Publication:** Infrared photon-number-resolving imager using a Skipper-CCD
 - Accepted at PRApplied. <https://arxiv.org/abs/2301.10891>
- **Upcoming result:** qudit tomography using a Skipper-CCD
 - Two orders of improvement (less photons needed)
- **Collaboration with Kwiat Lab at UCIC**
 - Effort to build a Quantum IR Spectrograph
 - Installation of a Skipper-CCD pathfinding system at Kwiat Lab upcoming
- **Fermilab is leading the effort to make these detector faster**



- **Very successful HEP-QIS QuantISED**
- **Early adopters are using the Skipper-CCD to produce world leading results**
- **Collaboration with Kwiat Lab at UCIC is growing and accelerating**
 - Killer app: Quantum IR Spectrograph (similar to quantum radar but with IR photons)
- **Effort towards building fast and easy to use compact systems**
 - technology transfer opportunity

By joining forces with established Quantum Science groups, we are leveraging on the Skipper-CCD technology to drive scientific advancements