

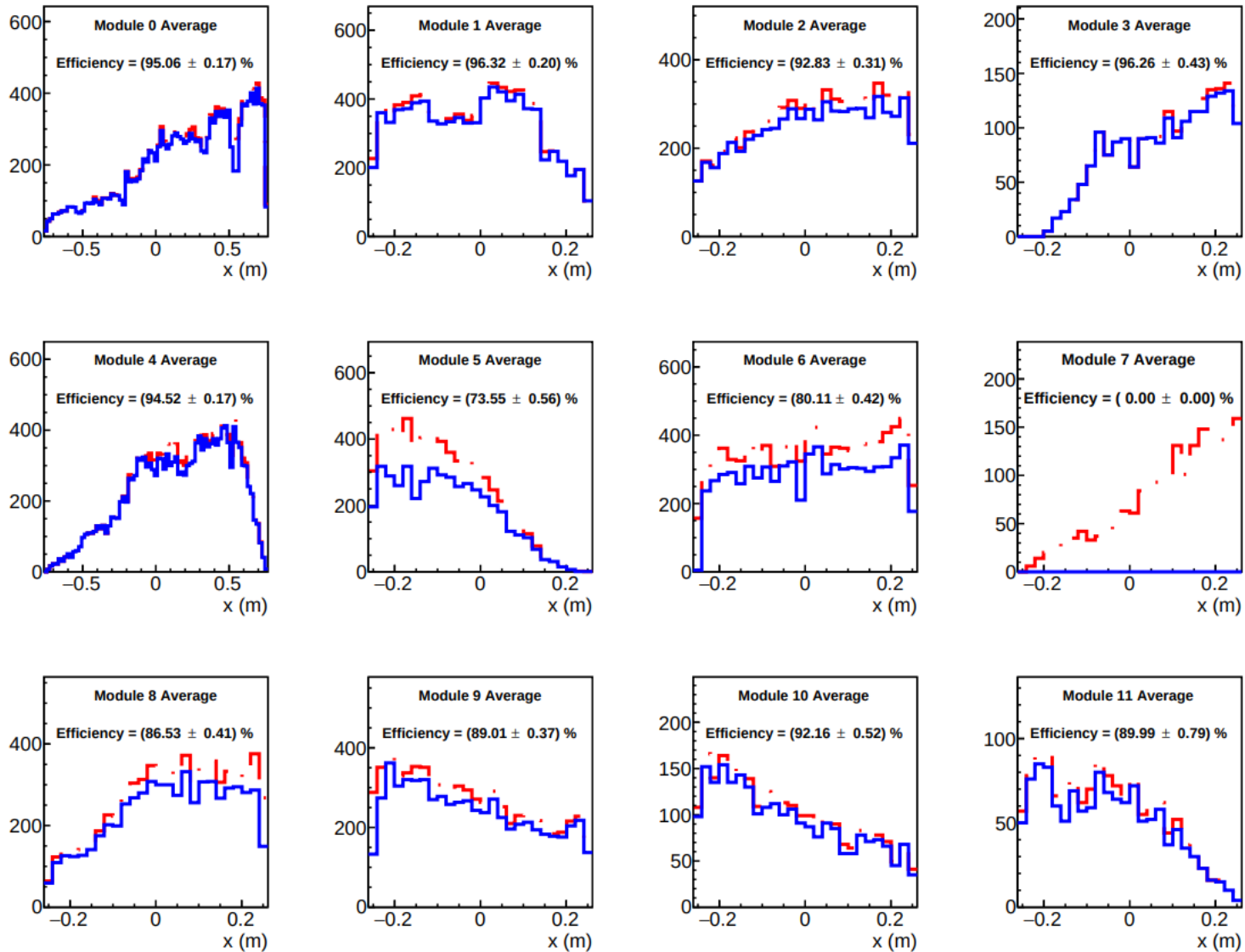
BigBite GEMs Update

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BB Cosmic Run

- All GEMs were stable under HV after the magnet collision.
- Cosmic data (with premixed gas) shows all GEMs are performing as expected.
- Full results: <https://logbooks.jlab.org/entry/3936858>



Gas Mixing Fixed

- Gas mixing system was fixed by Jack, using a molecular analyzer to test the output.
- Jack explained that the buffer tank would start in a bad state when a new bottle was started.
 - Added a purge valve to force the buffer tank through a few cycles.
- Cosmic data was taken last night with new gas mixing.
- Currently being analyzed.

UV Layer to Replace J2

- Cosmic data taken in the test lab for the UV layer.
- Few strips missing, about 8% of the active area
 - We can try fixing them if it is critical.
- Layer is ready to be swapped.

