LIMITATIONS

The empirical degapping solution is dependent on many factors:

- **Background:** Cannot be subtracted out, nor can background events be perfectly identified and eliminated. We apply stringent filters to reduce contamination to on average $\approx 10\%$. Hence, degap is strongly tied to the filering steps used.

- **Spectrum:** The degap solution is only as good as the model used for correcting raw counts distributions. Where model shape changes steeply (e.g., 0^{th}-order, plate gaps, detector edges), solution may be subject to large systematic errors.

- **QE:** Small-scale quantum efficiency variations are not accounted for.

- **Event order:** We assume that the order of the events as a function of fine position remains unchanged after correction. Also, that all events are affected in a similar way.

- **Stability:** There is strong evidence for significant changes in the corrections over timescales of years.