



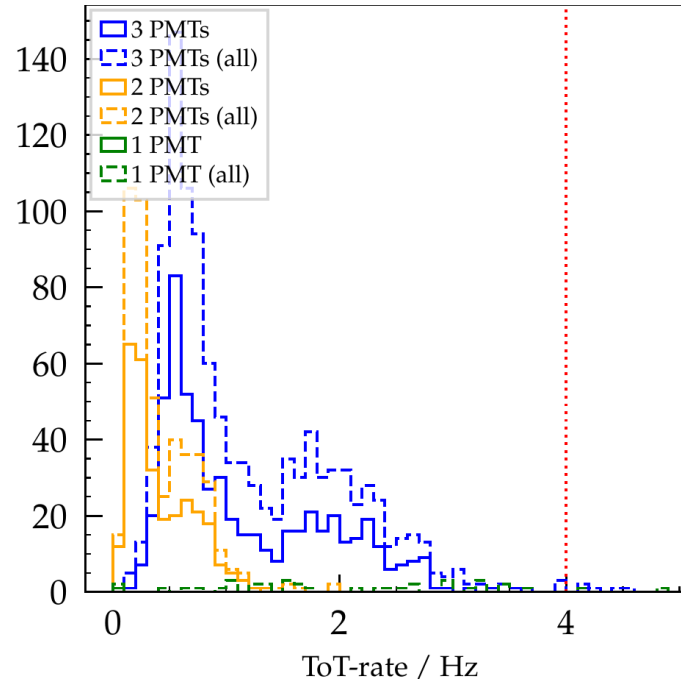
UB/UUB-Trigger rates



Martin Schimassek

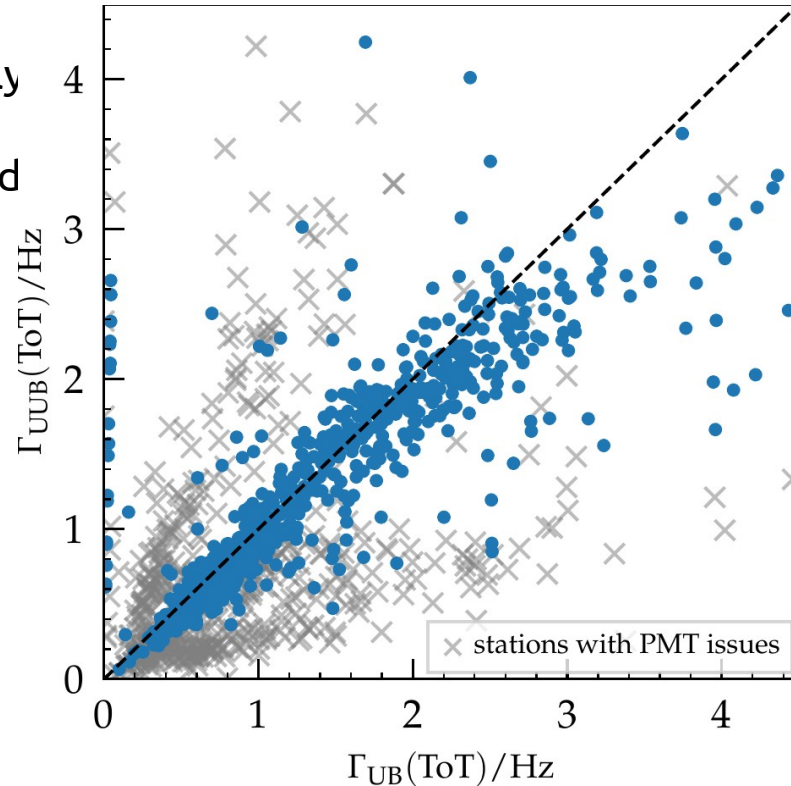
We do we want to compare?

- for any strong statement on trigger-rate comparisons:
remember that stations are not equal: example UUB, August 2023

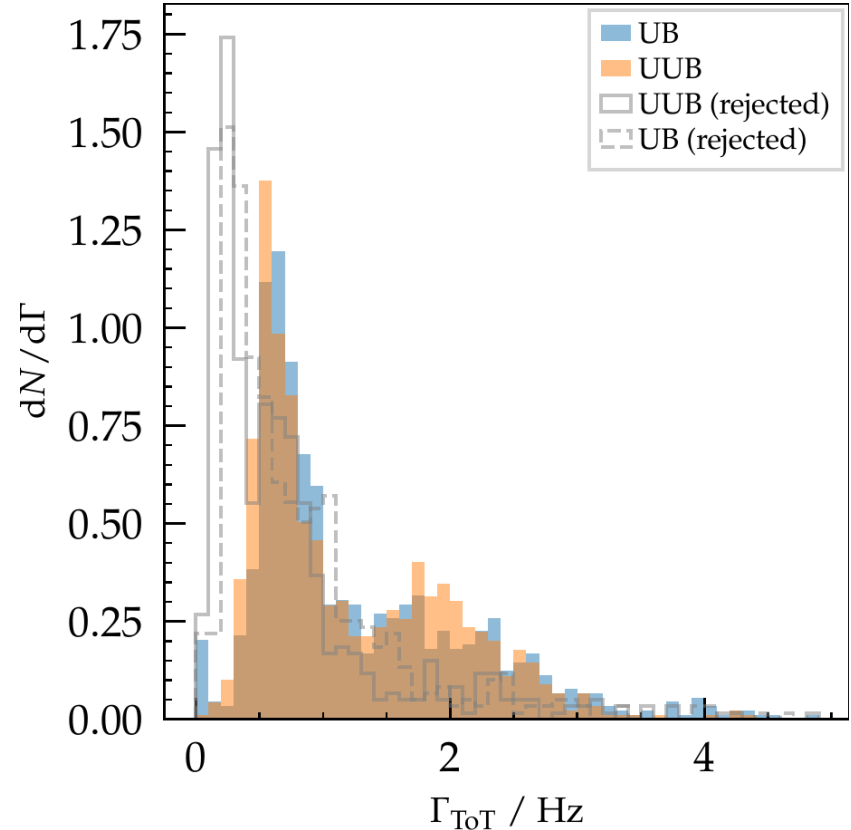
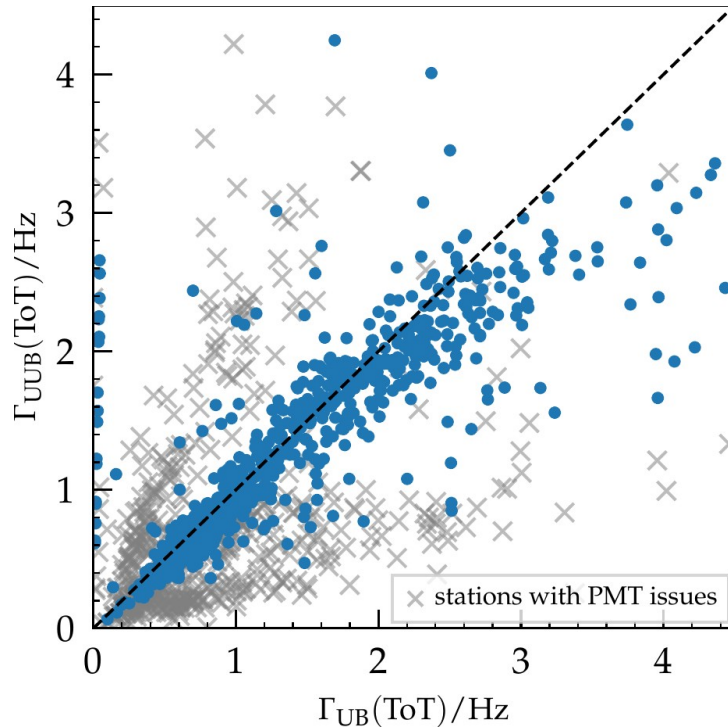


The famous plot

- what we used also in the review:
 - some outliers were removed manually
 - compare rate before and after upgrade to UUB
 - reject all stations that don't have 3 working PMTs in both UB and UUB
- results in only 900 stations in this plot

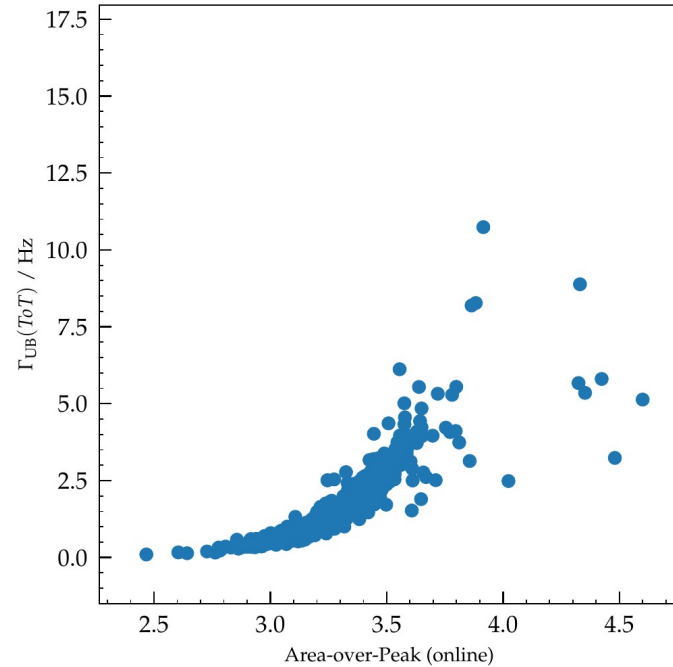
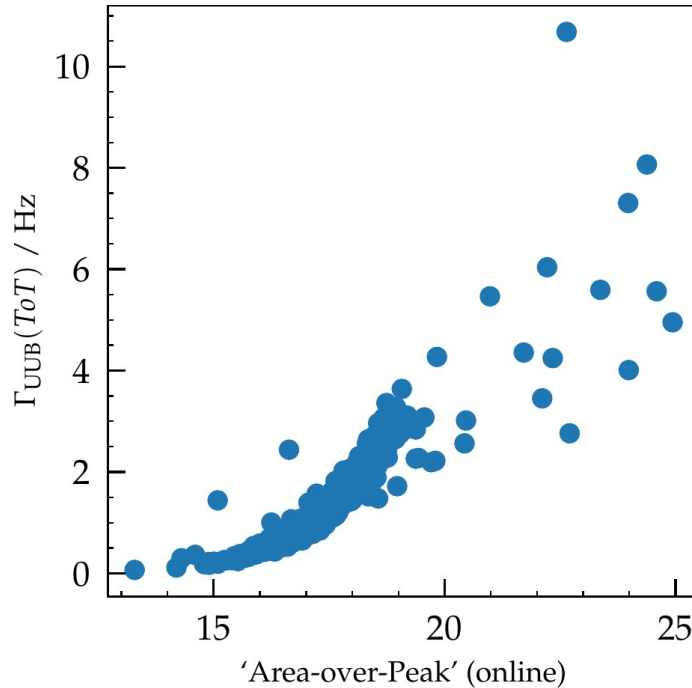


The projections



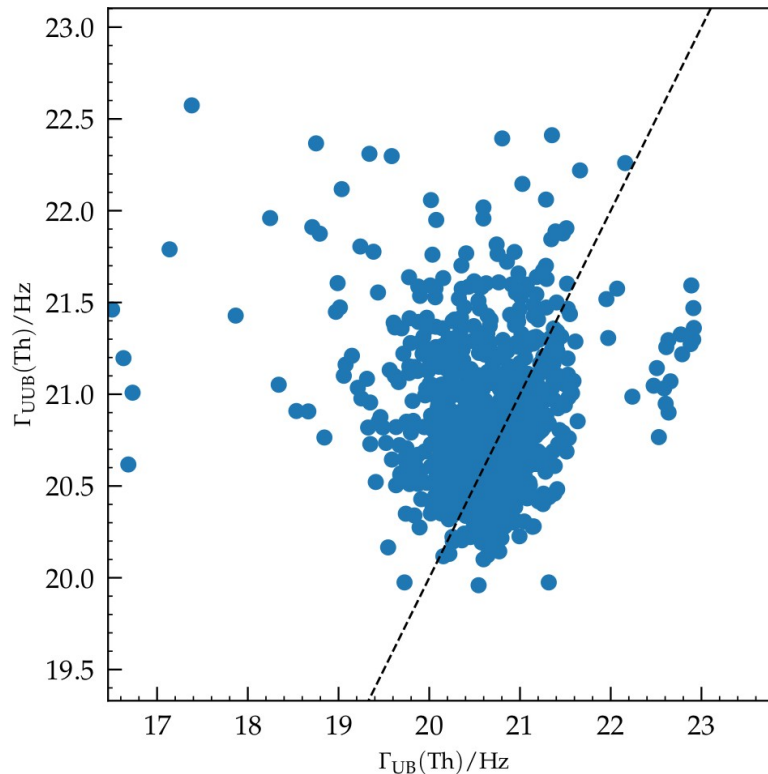
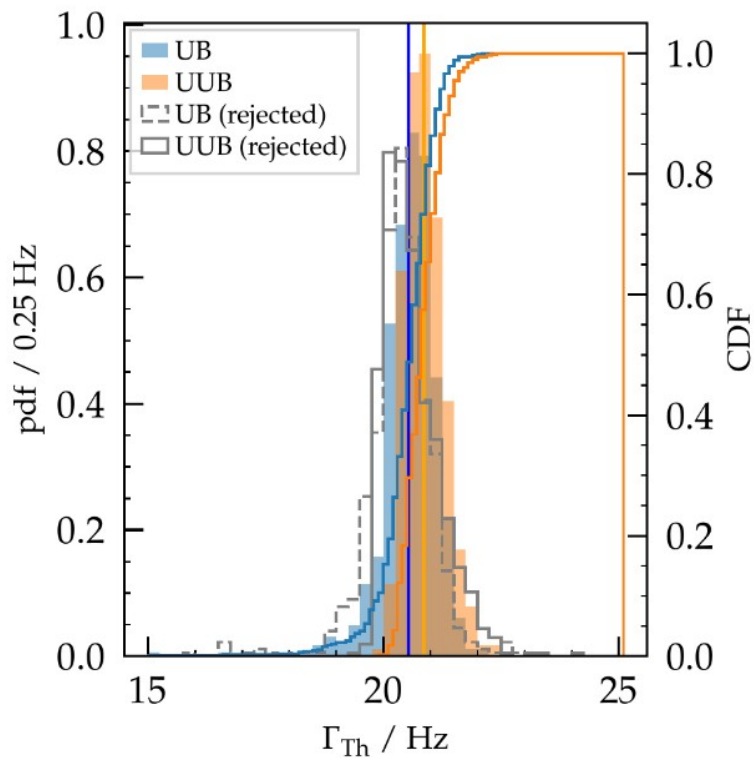
We know this behaviour

- linked to the signal-shape, i.e. Area-over-peak



Threshold

- decent agreement in threshold
(outliers: wrong software)



Summary

- comparison of UB/UUB needs careful selection of what to compare
- in ToT/Th agreement is decent
- dispersion of ToT-rate has known reason: AoP

Back up

- comparison of UB/UUB needs careful selection of what to compare

