

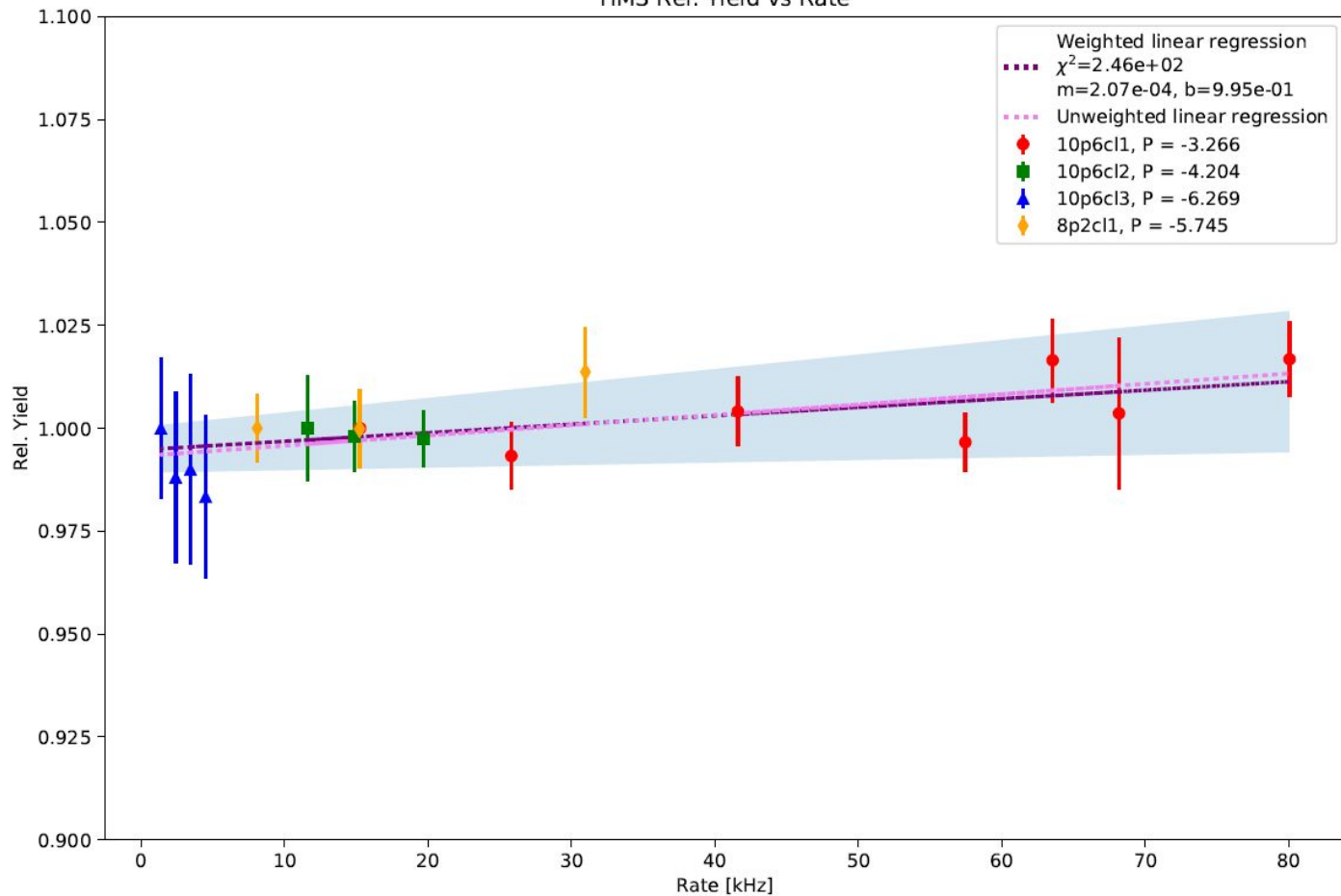


Kaon LT Status Update

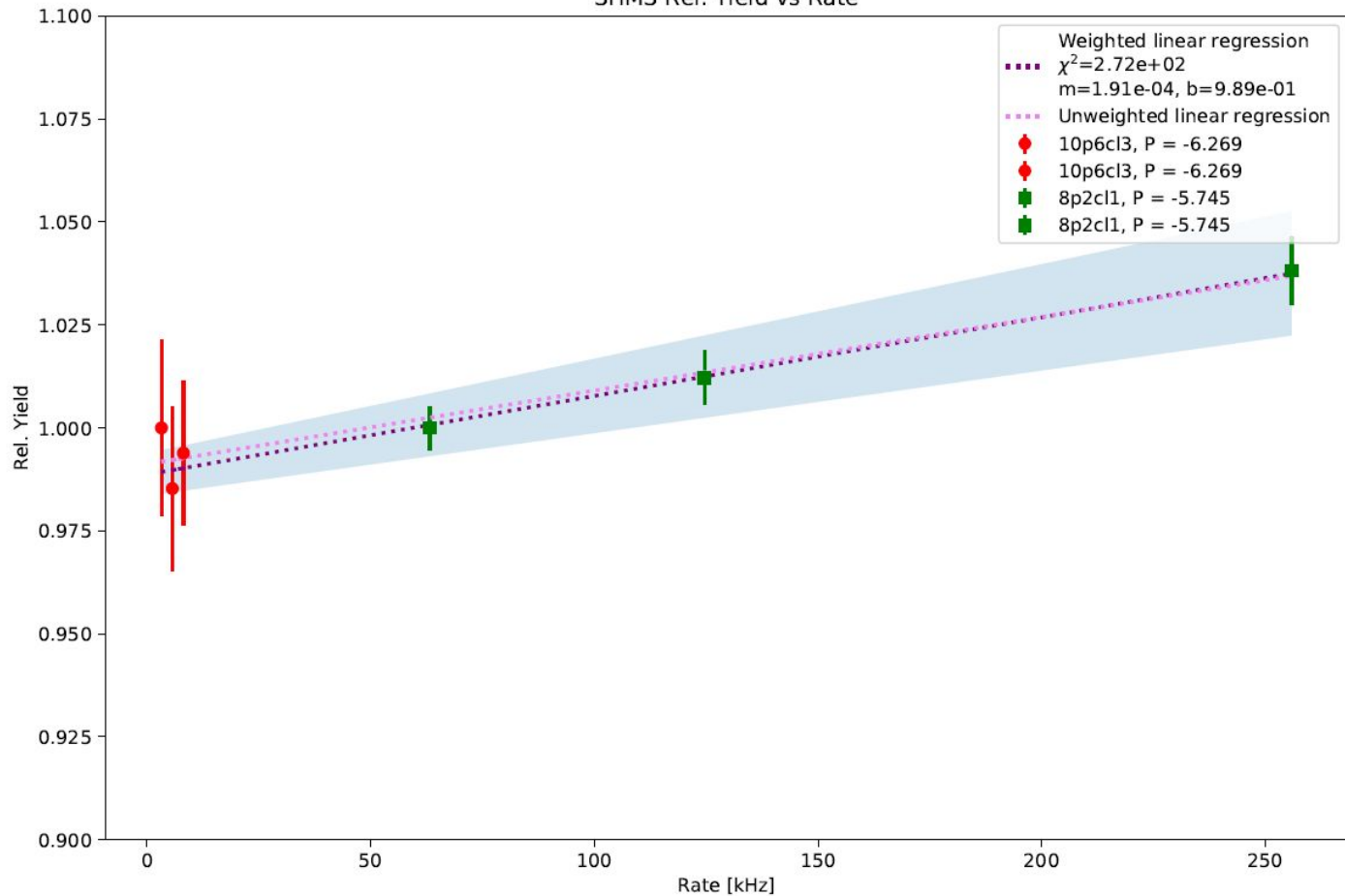
June 18th, 2023

Richard Trotta

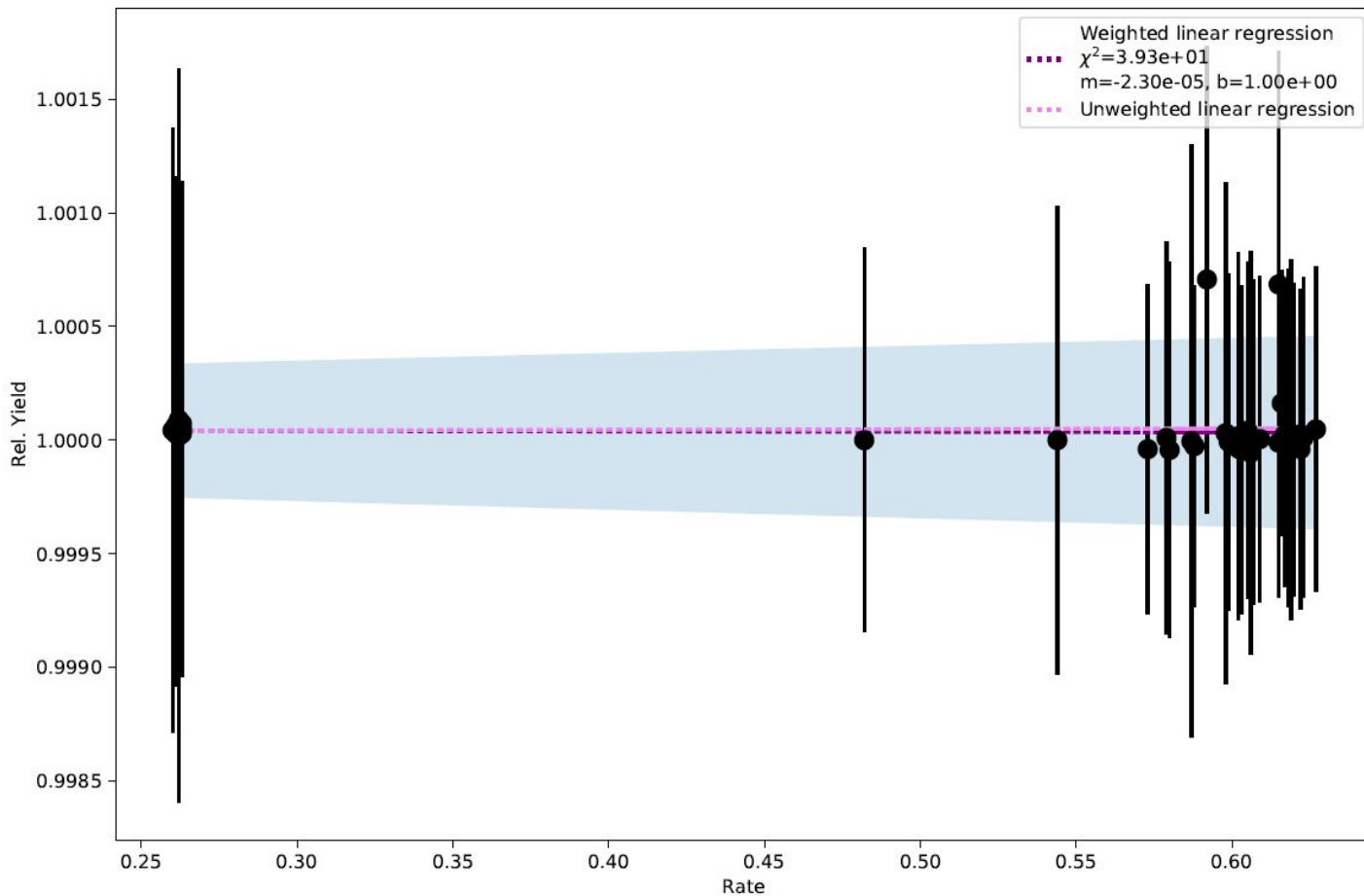
HMS Rel. Yield vs Rate



SHMS Rel. Yield vs Rate

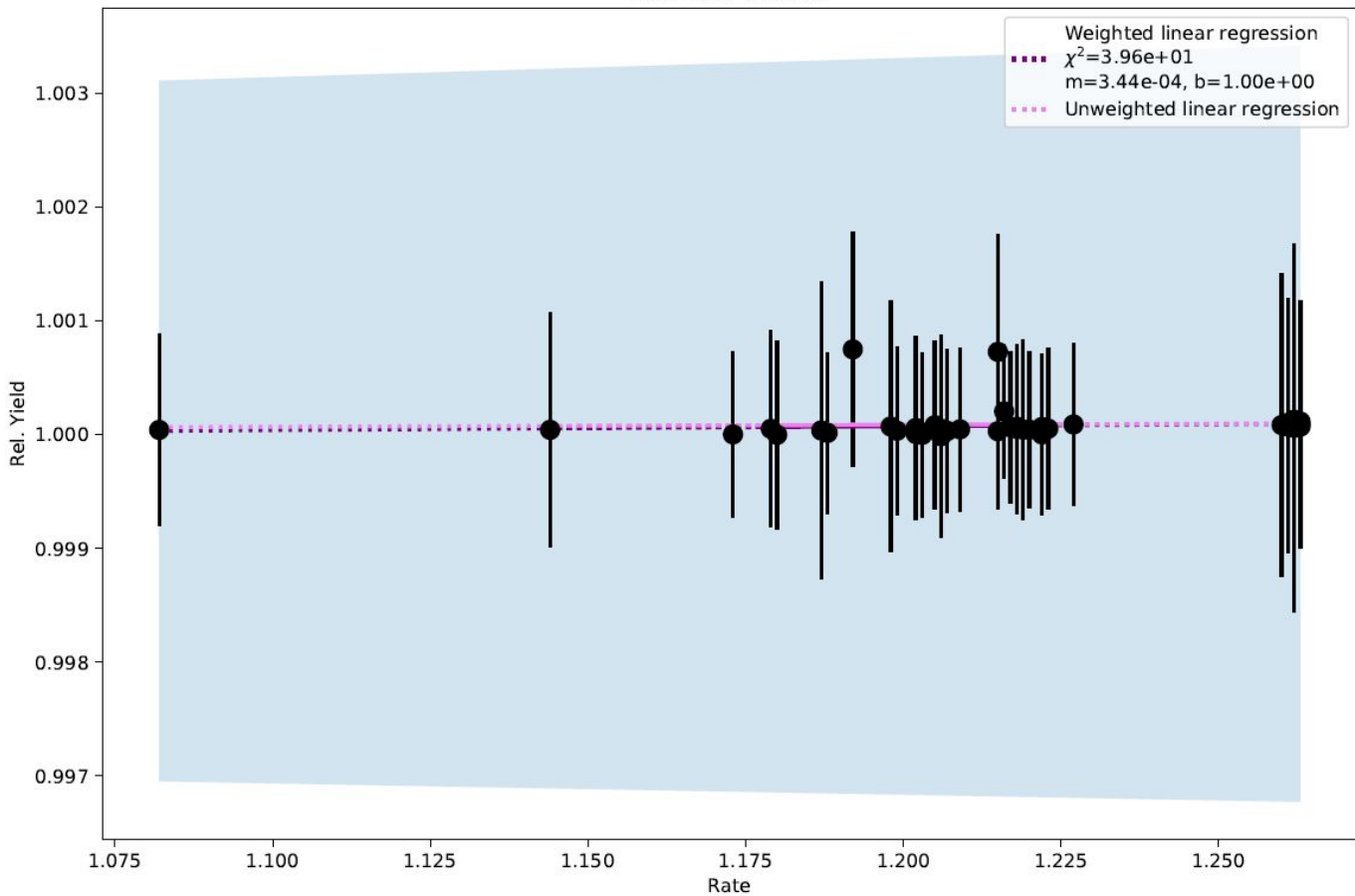


Rel. Yield vs Rate



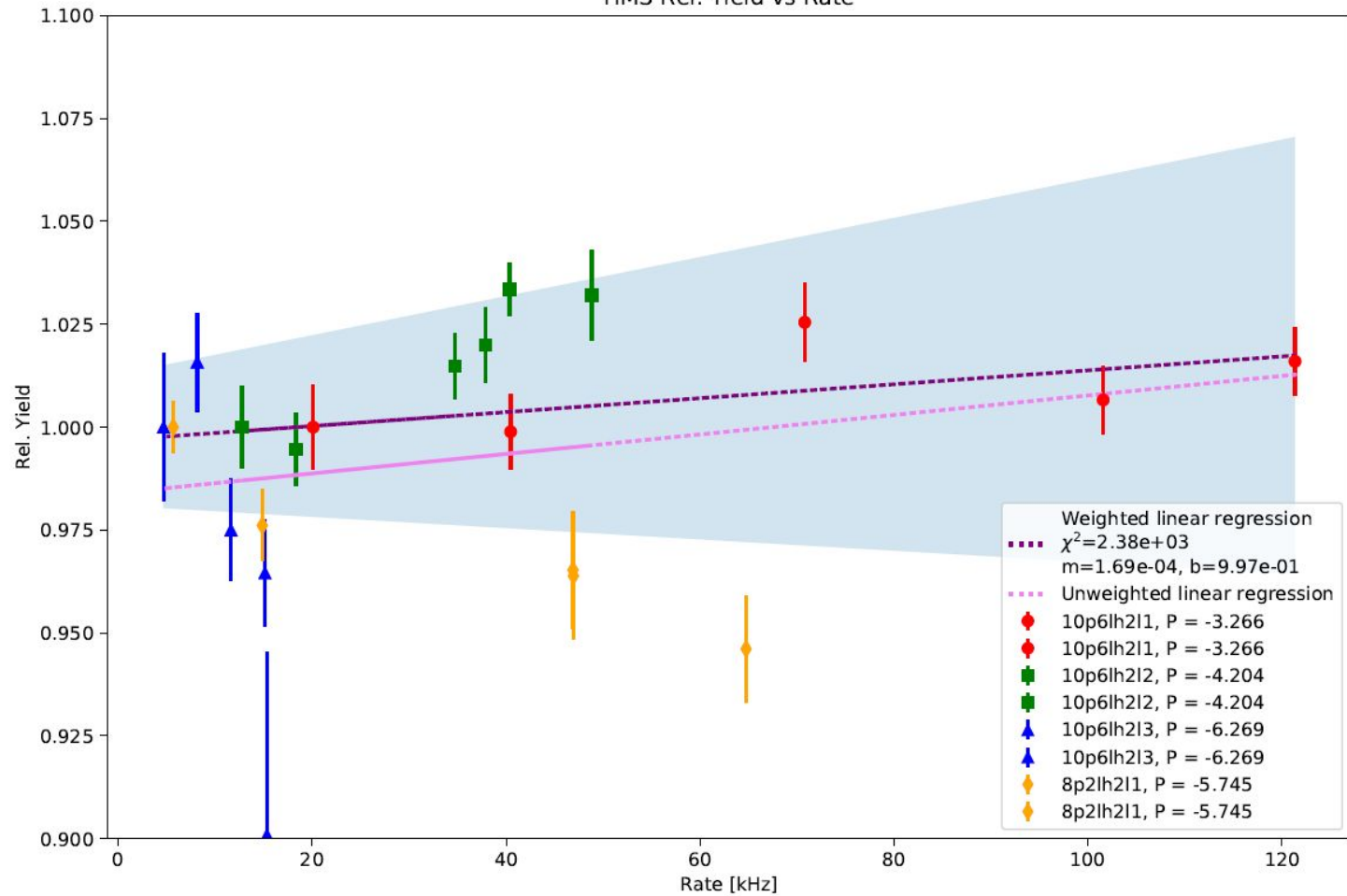
$Q^2 = 3.0, W=3.14$
 $E = 8.2 \text{ GeV}$
 $P_{\text{SHMS}} = 6.053$
 $\Theta_{\text{SHMS}} = 6.910$
 $P_{\text{HMS}} = -1.821$
 $\Theta_{\text{HMS}} = 25.895$

Rel. Yield vs Rate

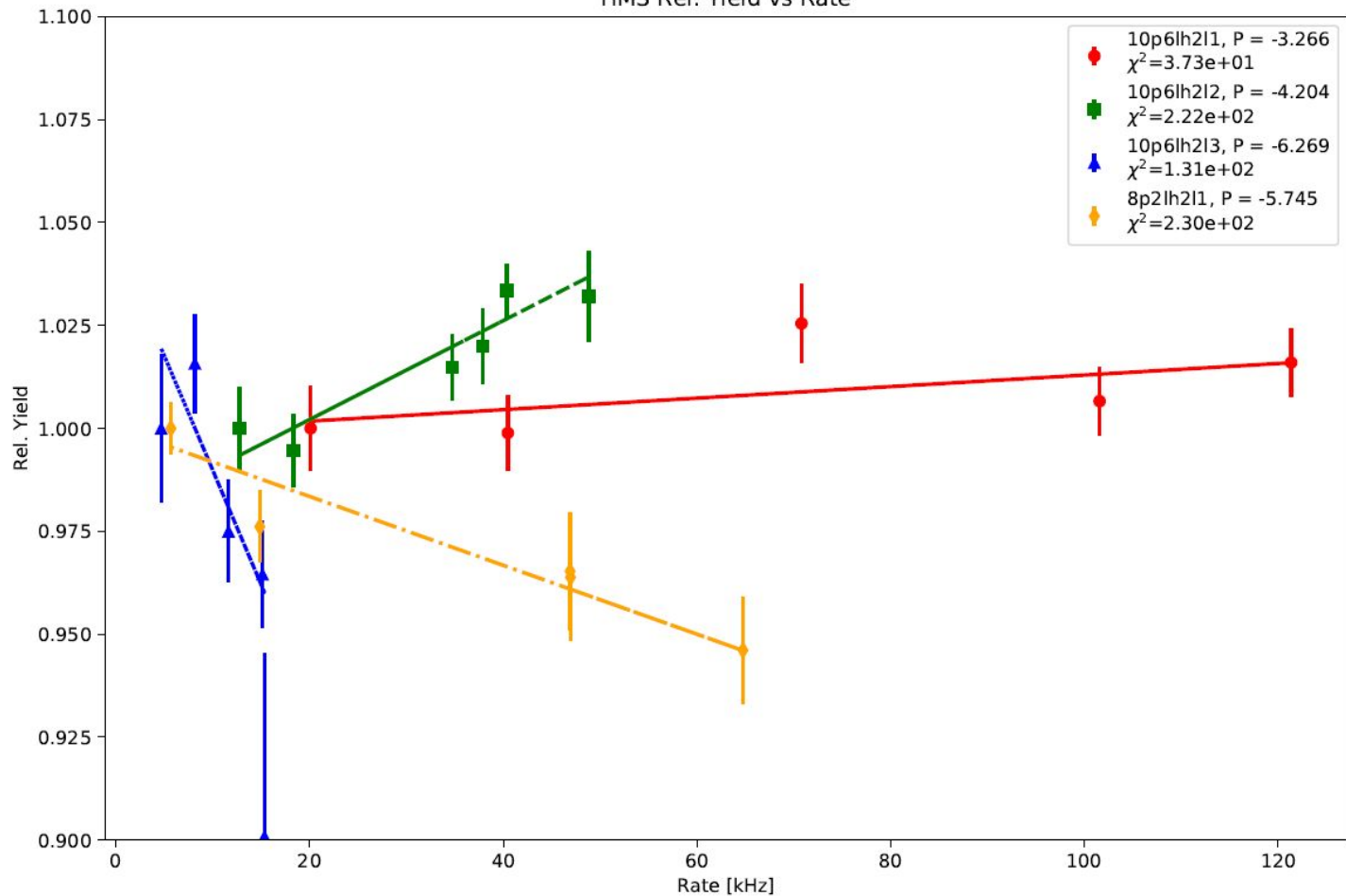


$Q^2 = 3.0, W=3.32$
 $E = 10.6 \text{ GeV}$
 $P_{\text{SHMS}} = 3.486$
 $\Theta_{\text{SHMS}} = 18.18$
 $P_{\text{HMS}} = -6.590$
 $\Theta_{\text{HMS}} = 11.91$

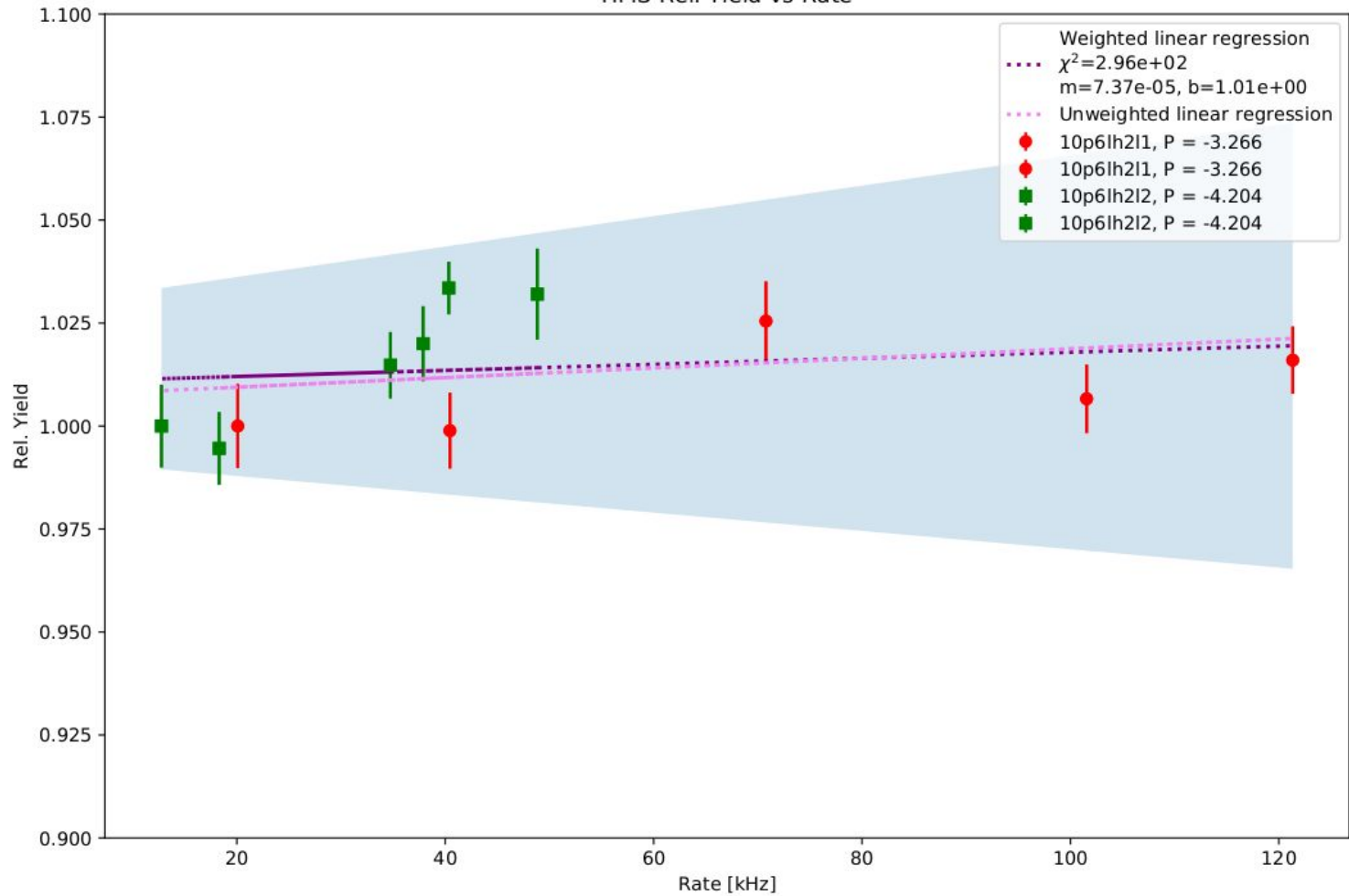
HMS Rel. Yield vs Rate



HMS Rel. Yield vs Rate

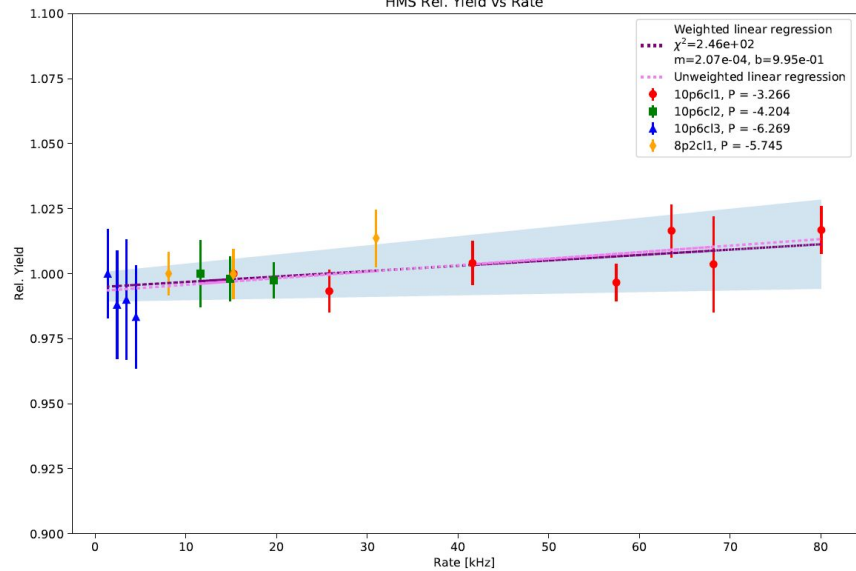


HMS Rel. Yield vs Rate

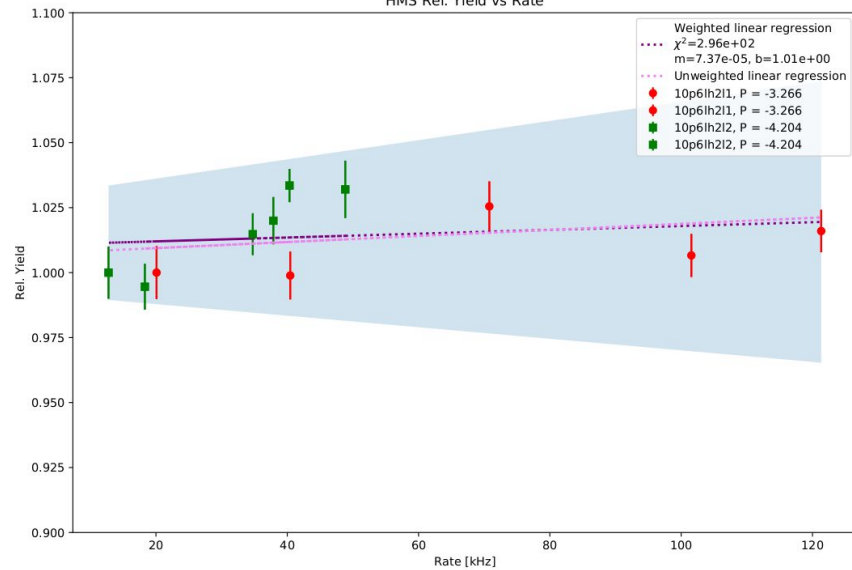




HMS Rel. Yield vs Rate



HMS Rel. Yield vs Rate



```
gcc version 9.2.0 (GCC)
/group/c-kaonlt/USERS/trottart/hallc_replay_lt/UTIL_
BATCH/Analysis_Scripts/KaonLT.sh: line 239: 3136 K
illed          python3 hgcer.py Kaon_coin_r
eplay_production $RUNNUMBER $MAXEVENTS
slurmstepd: error: Detected 1 oom-kill event(s) in
StepId=65612368.batch cgroup. Some of your processe
s may have been killed by the cgroup out-of-memory
handler.
```