

# FCAL-LED block efficiency map

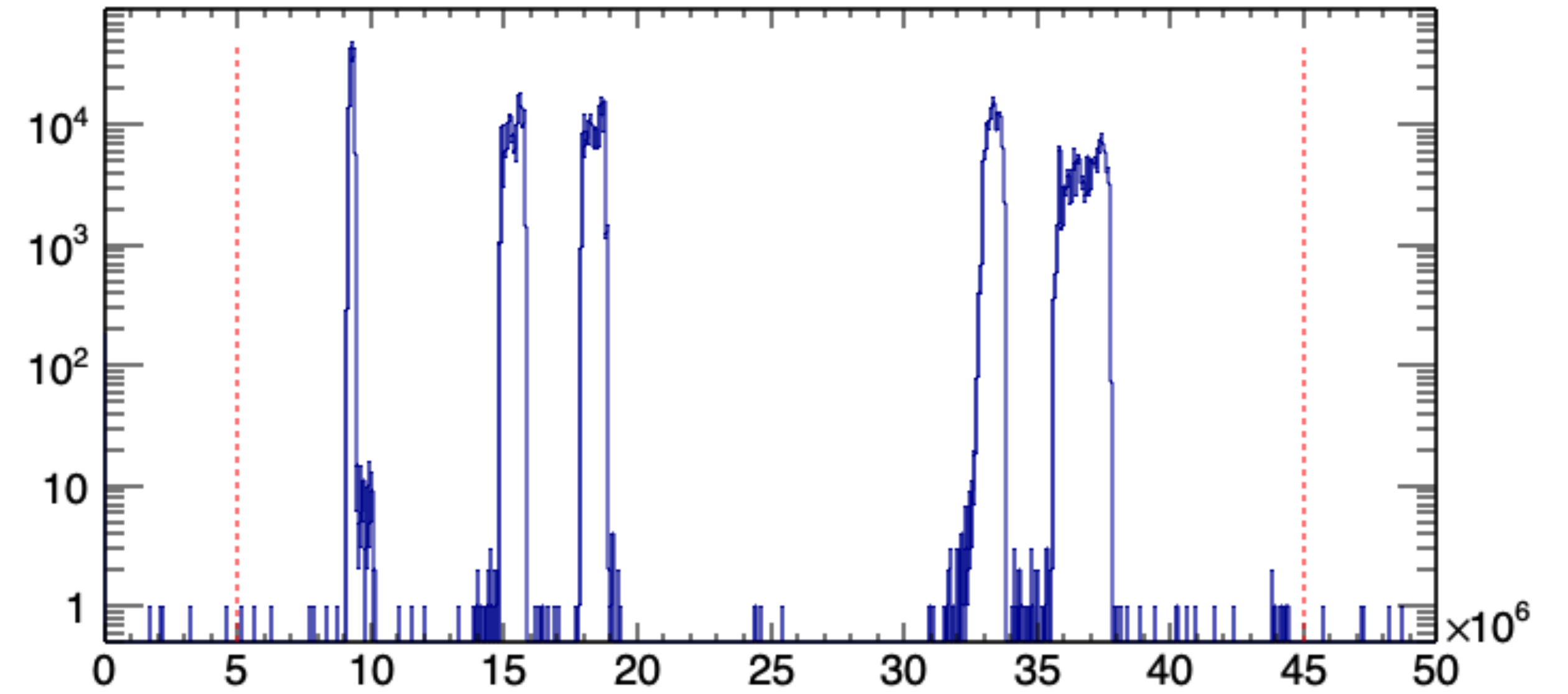
**RunPeriod-2019-11 Batch 1**  
(runs 71345 - 71591)

average efficiency 0.99617

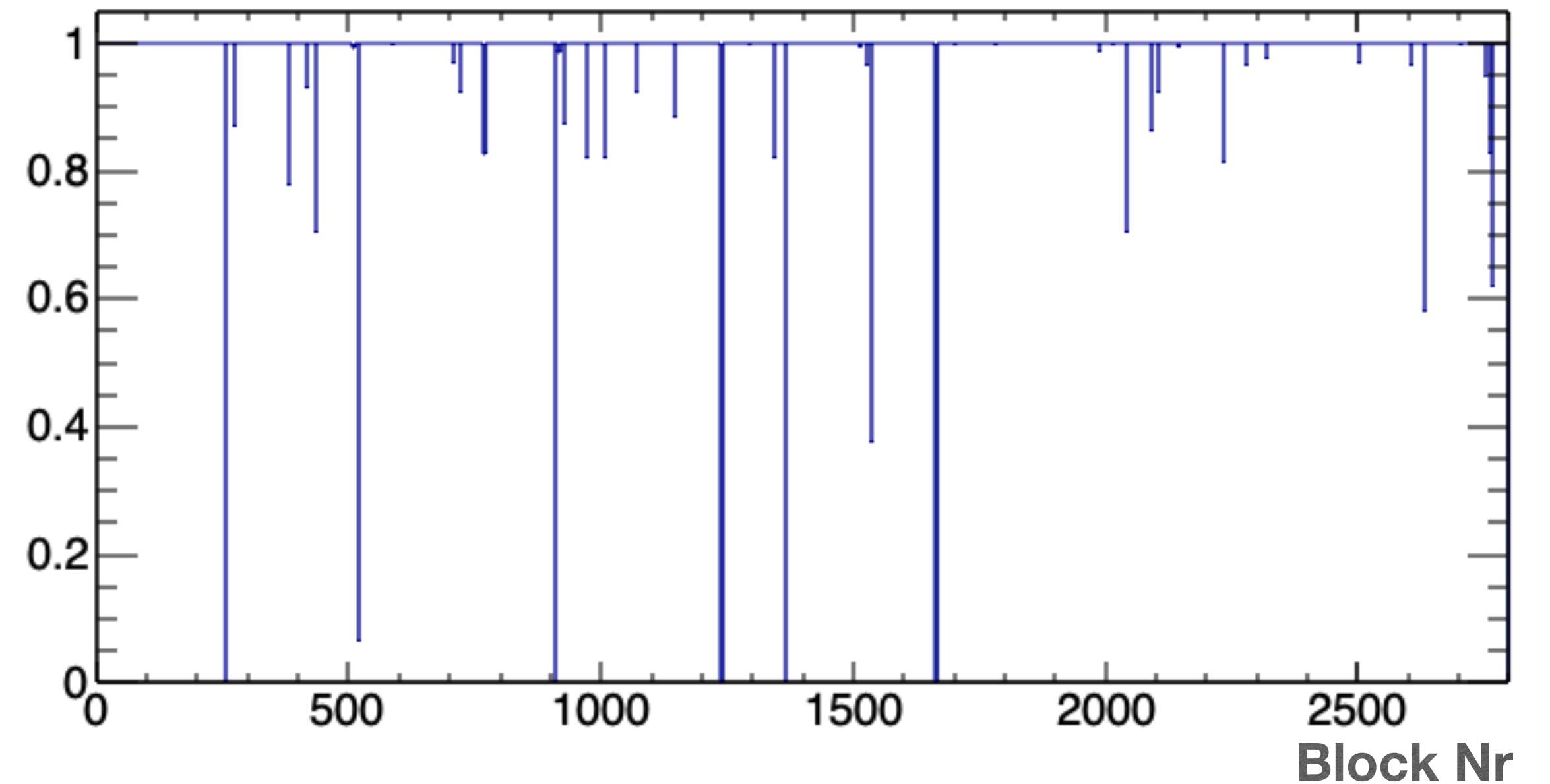
/w/halld-sciwork18/home/susansch/FCAL-LED/RunPeriod-2019-11/

Run\_0XXXXX\_Eff.txt  
Run\_0XXXXX\_plot.root

Sum over ADC Integrals, All Runs



Efficiency, All Runs



# FCAL-LED time status

**RunPeriod-2019-11 Batch 1**  
(runs 71345 - 71591)

using DFCALHit objects

/w/halld-sciwork18/home/susansch/FCAL-LED/  
RunPeriod-2019-11/

Run\_0XXXXX\_LEDTimeRange0.txt  
Run\_0XXXXX\_LEDTimeRange1.txt  
Run\_0XXXXX\_LEDTimeRange2.txt  
Run\_0XXXXX\_LEDTimeRange3.txt  
Run\_0XXXXX\_LEDTimeRange4.txt

**~2ns time shifts from synching to RF time**

crate reboot, syncing to the RF signal

- 4 ns in phase with the previous choice
- sometimes out of phase by 2 ns

(RF signal from the accelerator is every ~2 ns, but the beam comes every ~4 n

