

# 25th International Conference on Computing in High Energy & Nuclear Physics

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Type: **Short Talk**

## **HOSS!**

*Wednesday 19 May 2021 17:40 (13 minutes)*

The Hall-D Online Skim System (HOSS) was developed to simultaneously solve two issues for the high intensity GlueX experiment. One was to parallelize the writing of raw data files to disk in order to improve bandwidth. The other was to distribute the raw data across multiple compute nodes in order to produce calibration \textit{skims} of the data online. The highly configurable system employs RDMA, RAM disks, and zeroMQ driven by Python to simultaneously store and process the full high intensity GlueX data stream.

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**Session Classification:** Streaming

**Track Classification:** Online Computing