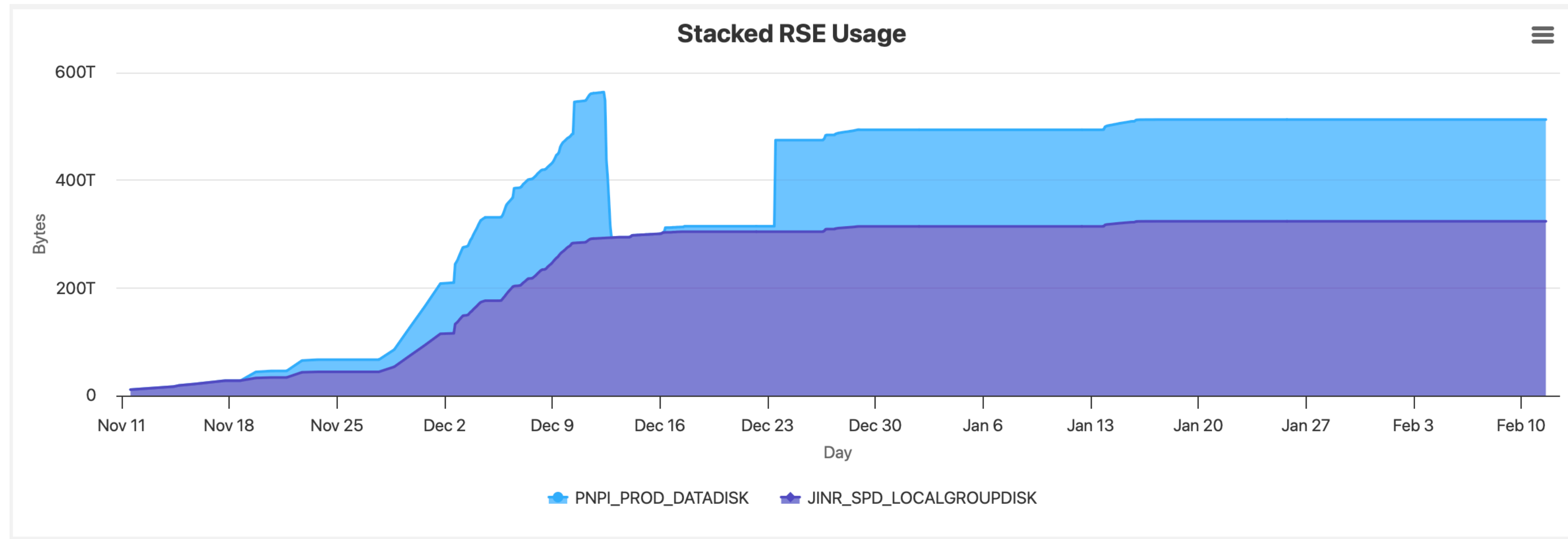# SPD Production System Status

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SPD Data Overview

- 1 PB data challenge in December (actually finished at 0.5 PB due to lack of storage)

- 200 000 events simu&reco in form of 100 000 individual jobs were processed in two weeks

- Massive data deletion was tested afterwards

- We reached 90% quota usage at JINR's EOS, we requested increase and it has been increased two times

News from the last report 1/2

- PanDA

  - Was configured to accept tasks and jobs signed by token

- CRIC

  - New version was deployed at AlmaLinux 9, integrated with IAM, now being tuned

- Rucio

  - Ongoing upgrade of dev version from v32 to v36

  - Once finished, integration and prod servers will be upgraded as well

  - Many minor updates, Graphana monitoring panels, etc.

- Production system control panel

  - Integrated with IAM and now allows to submit tasks using only JWT seamless, without using X.509 proxy behind the scene

News from the last report 2/2

- FTS

  - Migrated to the new VM with OS version upgrade from CentOS7 to AlmaLinux 9

  - FTS version now is v3.13.1

  - JWT configuration is ongoing

- SpdRoot container version upgraded from 1.4.6 to 1.4.7

  - 1 production round already performed using the new version

- Samara

  - Grid CE was deployed, now testing jobs submission

Plans

- Keycloak

  - Replace SSO login backend in IAM to Keycloak as it fully supports OpenID protocol which will allow us to finish integration with the JINR HR database

- Productions

  - Migrate to the new naming convention (again)

  - Concentrate on metadata gathering and errors handling to fill in number of events and avoid storing zero size files — problems reported by Lena during analysis files of the last prod

- Services

  - Move PanDA and Harvester instances to AlmaLinux 9

  - Move to new EOS

- Samara

  - Finish configuration and tests and start using site for production jobs