Cyclotron computing

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Continuing to provid the Cyclotron Institute with the secure computational and networking infrastructure necessary to teach and execute research programs, we increased the Institute's computing capacity and infrastructure over this past year by adding four computational servers. We upgraded our authentication service hardware. To enhance our security posture, we migrated the Institute's offsite fileserver and data management server to the WCDC (West Campus Data Center) and updated our TAMU NetID configurations.

To increase productivity and reduce turn-around time we added four general lab computational servers, now totaling twenty. This increases our capacity by 8 2.9GHz late model processors or from 388 to 484 concurrent jobs. Each added server has 64GByte of RAM, allowing users to analyze memory intensive jobs quickly. These servers are provisioned and are in production.

These changes and additions allow us to supply the Institute with the resources it needs to execute its mission by increasing our computational and data serving capacity, providing more security by utilizing TAMU authentication services.