

# Taking HEP data management outside of HEP

*Tuesday, October 11, 2016 12:00 PM (15 minutes)*

High Energy Physics experiments have long had to deal with huge amounts of data. Other fields of study are now being faced with comparable volumes of experimental data and have similar requirements to organize access by a distributed community of researchers. Fermilab is partnering with the Simons Foundation Autism Research Initiative (SFARI) to adapt Fermilab's custom HEP data management system (SAM) to catalog genome data. SFARI has petabyte scale datasets stored in the Fermilab Active Archive Facility and needs to catalog the data, organizing it according to metadata for processing and analysis by a diverse community of researchers. The SAM system is used for data management by multiple HEP experiments at Fermilab and is flexible enough to provide the basis for handling other types of data. This presentation describes both the similarities and the differences in requirements and the challenges in adapting an existing system to a new field.

## Secondary Keyword (Optional)

Distributed data handling

## Primary Keyword (Mandatory)

Experience/plans from outside experimental HEP/NP

## Tertiary Keyword (Optional)

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**Session Classification:** Track 4: Data Handling

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