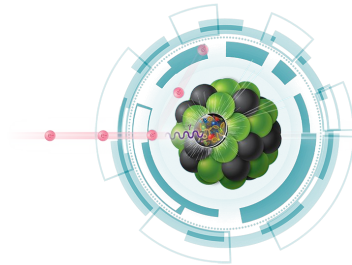


Introduction and Program Development

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Introduction

- The EIC Computing Coordination Group (ECCG) launches a monthly computing opened meeting
 - ECCG: Andrea Bressan, Cameron Dean, Wouter Deconinck, Graham Heyes, Jerome Lauret
 - Ideally, co-chairing - Cameron Dean has agreed to help from ECCE, pending other chairs
 - 2nd Monday of the Month - currently 11-noon (time could be modified)
- Aimed to
 - Bring together the proto-collaboration and exchange progress, directions and ideas - better planning and coordination of resources, leverage knowledge across borders
 - Provided to the community updates and a way to participate to computing discussions pertinent to the EIC (proto-collaborations members, projects ...)
 - A platform for contributors to bring their feedbacks or contribution ideas

Sustaining EIC Computing ...

- Proto-collaborations have had a few questions and requests
 - No dedicated funding for EIC computing
 - JLab/BNL balancing existing resources (re-allocating, opportunistic)
 - BNL: Small allocation of initial funds from a past program development and the Physics department provided the initial storage
- Requested or raised concerns
 - Storage believed to be on the “short” side by 50% comparing to initial requirement gathering
 - What do we do past the proposal? Need may increase! Archival storage (post-proposal long term saving of key results)
 - S3 scalability , better usage monitoring and feasibility of Fedearth ID access
 - More homogeneous storage access (multi-protocol availability, S3 / Xroot / ...)

Data store and access infrastructure in support of EIC's science

Our proposal focused on deploying a reliable, easy access and scalable storage services in support of EIC science and its future technical design report and detector simulation needs

- Year 1:
 - . Provide an initial mass storage facility support (HPSS) for the EIC - 2 PBytes + core infrastructure would allow adding tapes (via other funding)
 - . Potential access of the EIC/HPSS via a DataCarousel service (as required)
 - . Extend S3 with a High Availability proxy front-end: reliability, scalability and monitoring
- Year 2:
 - . Extend the storage with +½ PBytes of S3 storage - re-align with requirements
 - . Storage Access via Federated ID R&D - feasibility of using OpenID, AA infrastructure
- Year 3:
 - . +0.5 PBytes of additional storage
 - . Global distributed caching on the OSG - fast, low latency access of cached dataset throughout the institutions participating in the EIC

