



Contribution ID: 185

Type: Oral

## Computational workflow of the LZ dark matter detection experiment at NERSC

*Tuesday 5 November 2019 12:15 (15 minutes)*

High Energy Physics experiments face unique challenges when running their computation on High Performance Computing (HPC) resources. The LZ dark matter detection experiment has two data centers, one each in the US and UK, to perform computations. Its US data center uses the HPC resources at NERSC.

In this talk, I will describe the current computational workflow of the LZ experiment, detailing some of the challenges faced while making the transition from network distributed computing environments like PDSF to newer HPC resources like Cori, at NERSC.

### Consider for promotion

Yes

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**Session Classification:** Track 5 –Software Development

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