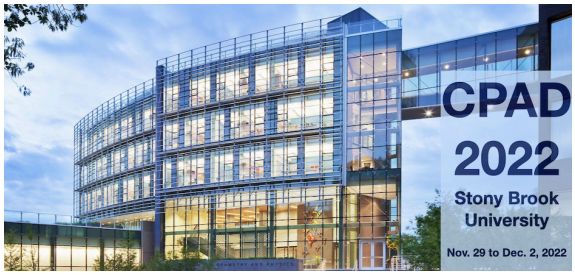

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The LFHCAL forward hadronic calorimeter for the EPIC detector at the EIC

Wednesday, 30 November 2022 09:30 (20 minutes)

The Electron Ion Collider (EIC) is the next Nuclear Physics flagship experiment to be constructed at Brookhaven National Lab over the next decade. The EPIC detector will be the first experiment at the EIC dedicated to detailed studies of nuclear structure in electron-proton and electron-ion collisions.

The ambitious physics program of the EIC requires a high performance hadronic calorimetry system in the ha

LFHCAL is designed as a plastic scintillator-steel sandwich calorimeter read out by silicon photomultiplie

To reduce R\&D cost and risks, we are investigating producing the required plastic scintillator tiles by i

This talk will present the current status as well as ongoing and future R\&D of the LFHCAL for the EPIC ex

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