



Expression of Interest – Duke University (Gao/Vossen) contributions to PID

Please indicate the name of the contact person for this submission:

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Please indicate all institutions collectively involved in this submission of interest:

Duke University (groups of Haiyan Gao and Anselm Vossen)

Please indicate the items of interest for potential equipment cooperation:

Particle ID, in particular RICH based





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Opportunities for engagement of other groups

Current interest is a continuation of a collaboration with INFN on RICH development. This will be a multi group effort coordinated by INFN.

Additional information you think may be useful for the community to know about your expression of interest.

The Duke interest in EIC PID is based on experiences with the development, construction and operation of PID detectors in JLab experiments. We expect to leverage technical resources available at Duke and TUNL.

The collaboration with INFN envisioned for this EoI has been endorsed by Duke and INFN groups.

It will be an extension of ongoing collaboration in R&D for an EIC RICH.