




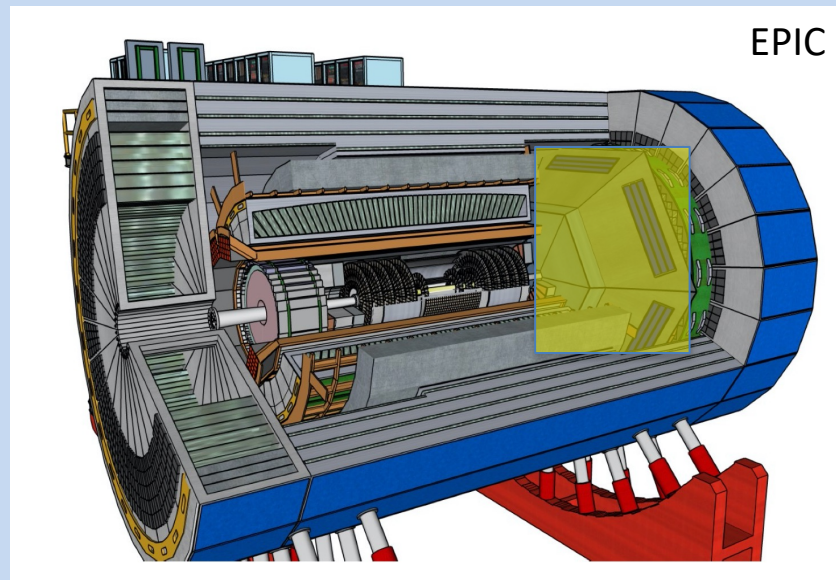
# The dRICH Project

dRICH is a baseline sub-detector of EPIC


  
BA, BO, CS, CT, FE ,  
GE, LNF, LNS, RM2,  
SA, TO, TS


  
Duke  
UNIVERSITY


  
NISER




EIC PID Consortium

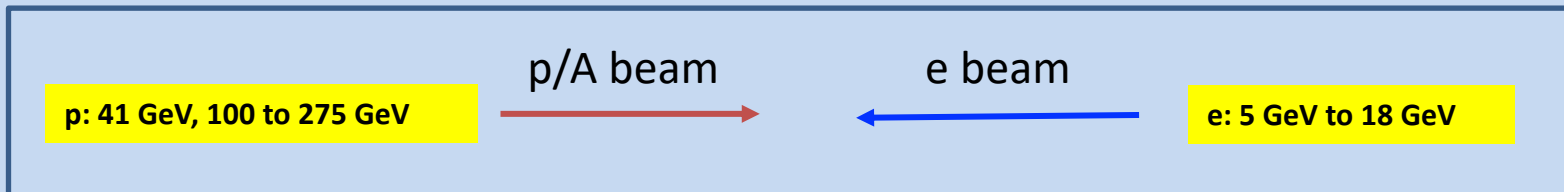
Brookhaven   
National Laboratory

 Stony Brook  
University

Univerza   
v Ljubljani

.....

  
Georgia State University



Compact cost-effective solution for particle identification in the high-energy endcap at EIC  
R&D is needed to optimize performance and reduce technological risks.  
TDR expected in less than 2 years from now.

## Detector Subsystem Collaboration

Ongoing contacts with potentially interested Institutions  
Institutional representatives part of the initial organization process

## EIC PID Consortium

Initial roster of interested Institutions  
Going to organize a kick-off meeting (post DSC formation)

## Institutional Board and Charter

Being pursued on a medium-term horizon

# dRICH Organization

**Goal: Validate baseline technical solution and mitigate risk towards TDR (24/11) & CD3 (25/04)**

Organize the work in Development Programs (DPs)

- Contact Person that coordinates the work together with DSC
- Entry point for new collaborators
- Flexible agenda of operative meetings

Activate a sort of dRICH office of all DPs

- Direct contact between DSC and DP leads
- Steering committee for important/urgent decisions

Create a single EPIC-based dRICH general meeting

- Common forum open to the Collaboration
- Weekly based with alternate pre-scheduled DP reports

# dRICH Developing Programs

## DSSL

M. Contalbrigo INFN FE

## Mirrors

A. Vossen DUKE

## Simulations

M. Contalbrigo INFN FE

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1: Thursday 10 am EST

## Aerogel radiator

G. Volpe INFN BA

## Mechanics

A. Saputi INFN FE

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## Gas radiator

F. Tessarotto INFN TS

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## Data acquisition

P. Antonioli INFN BO

## Photo-detector

R. Preghenella INFN BO

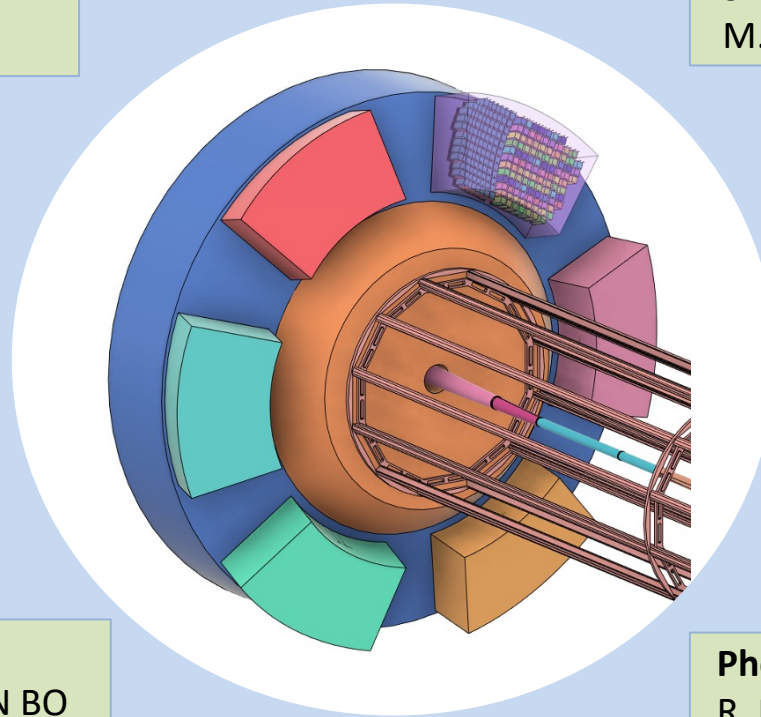
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2: Tuesday 9 am CET

## Front-end asic

F. Cossio INFN TO

2



Responsibility based on engagement and competence/interest

# PID Detector Review

The goal of this review is to assess the current state of all PID detector sub systems and will serve as a status report for the EIC Project Management and DOE. PID detectors are: hpDIRC, dRICH, pfRICH and TOF.

July

M	T	W	T	F	S	S
26	27	28	29	30	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

Most likely date: 2 days in the second half of first week in July

# dRICH General Meetings

New dRICH weekly meeting series on EPIC indico:

<https://indico.bnl.gov/category/472/>

## dRICH meetings

meetings of the dRICH DSC

There are 5 events in the future. [Hide](#)

May 2023

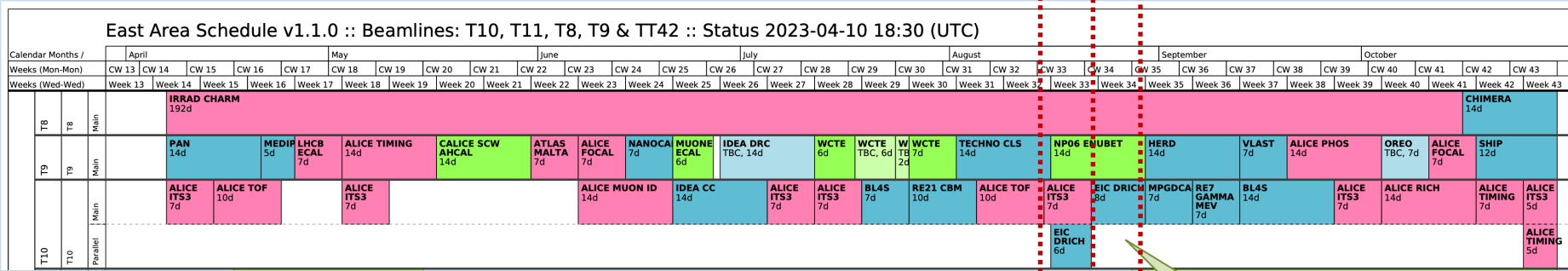
-  31 May [dRICH Meeting - Geometry and Simulations](#) **NEW**
-  24 May [dRICH Meeting - Photo-sensors](#) **NEW**
-  17 May [dRICH Meeting - Radiators and Prototype](#) **NEW**
-  10 May [dRICH Meeting - Mechanics and Mirrors](#) **NEW**
-  03 May [dRICH Meeting - Readout Electronics](#) **NEW**

April 2023

-  26 Apr [dRICH Meeting - Geometry and Simulations](#)

# dRICH Test-beam

## PS T10



August 14-20

August 21-27

## SPS H6

