

pfRICH – dRICH synergies

Context:

- following ATHENA proposal submission (and hectic efforts last days) several contacts/discussions in place to maximize impact & share resources
- so far: INFN – NISER (+BHU) – DUKE, hopefully others (SBU in particular)

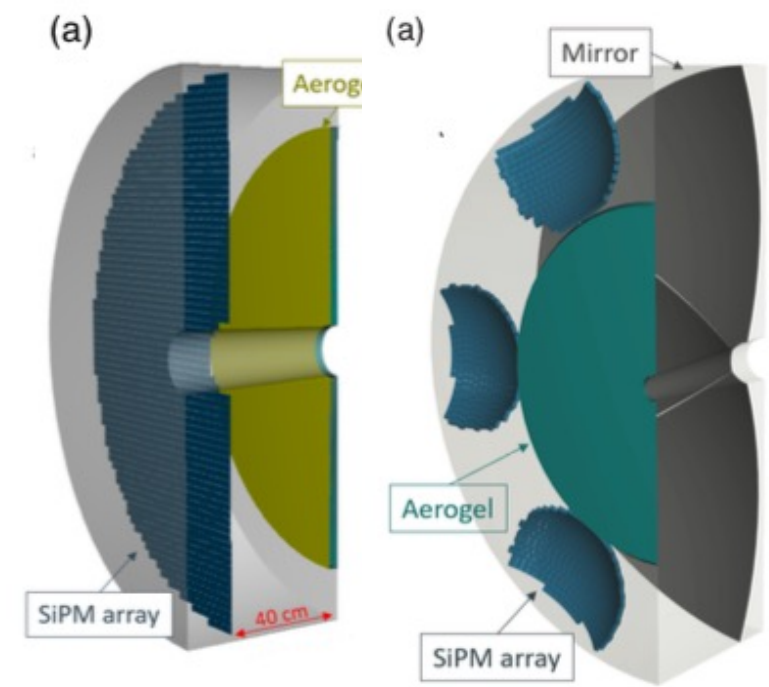
Common working areas for pfRICH and dRICH

- aerogel
- sensors (SiPM or LAPPD) [SiPM and LAPPD efforts part of eRD110 + NISER on LPPD too]
- electronics (front—end) assumed to be common in ATHENA proposal
- **many** common challenges on simulation/reconstruction

While R&D on sensors/electronics is advancing, we believe initial starting point should be simulation efforts using already February to that aim. (1 NISER post-doc to be recruited soon, post-docs at INFN & DUKE, ...)

We might then go for a RICH joint-project/group/consortium (?) when situation clearer (after 1st March) following DPAP process (note in ATHENA proposal interested institutions are already "packed" together...)

Note: all this to signal we are all very open to collaborative efforts!



RICH (pRICH / dRICH)
Banaras Hindu University
Duke University
GSU
INFN
National Institute of Science & Education and Research
Stony Brook University
University of Massachusetts Amherst