ePIC dRICH simulation activities in INFN Trieste

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Simulation Activities in INFN-TS for ePIC PID

INFN Trieste is heavily involved in ePIC dRICH simulation studies.

- It is serving the role of *coordinating the simulation* activities involving a large collaboration. Around 15 people from 9 different institutes of three countries (Italy, India and USA).
- Involvement since long time.
 - The Yellow report;
 - ATHENA detector proposal;
 - Finally, ePIC.
- INFN-TS participants so far:
 - Chandradoy Chatterjee (coordination and simulation activities)
 - Jinky Agarwala.
 - Silvia Dalla Torre and Fulvio Tessarotto (Advisory level)
 - Past Students:
 - Gabrielle Furlani (staging studies on ePIC dRICH simulation)
 - Tiziano Boasso (bachelor thesis on ePIC dRICH simulation : Simulation studies of the dual radiator RICH of the ePIC experiment at EIC.

Not only dRICH

- Our contribution to the EIC PID hardware and simulation studies go hand-in hand.
- INFN TS is one of the two early proponents of a proximity focusing RICH detector in the backward end-cap.
- INFN TS contributed significantly from the simulation and photo-sensor side in the backward PID review for ePIC.

dRICH Simulation Activities in INFN-TS (A snapshot)

