

TIC meeting:

DSCs papers in the NIM-A Special Issue
Strategy for DSC papers

September 21st, 2026

DSCs contributions to the ePIC NIM special issue

- Two type of papers planned:
 - **Subsystem overviews**
 - **Technical papers about technology development**
- **PRIORITIES:**
 - **First: the overview papers**
- **About Technical papers**
 - Include in the NIM-A special issues those technical papers that deal with original technologies developed for EIC/ePIC
 - Other technical papers as testbeams, lab studies, prototypes/engineer first articles, etc. published as standard papers in appropriate journals

Strategy for DSC papers

- **OVERVIEW PAPERS, the list**

- SVT
- MPGD, 1 paper
- pfRICH
- hpDIRC
- dRICH
- ToF, a single paper
- EEEMCAL
- BIC
- FEMCAL
- HCals, A single paper
- FF, a single paper
- Lumi system
- Low Q^2 taggers
- Electronics and DAQ

14 overview papers in total

Strategy for DSC papers

- **TECHINICAL PAPERS:**

- **HRPPD**

- Co-development and validation of the technology for the usage in ePIC

- **SiPMs for Cherenkov imaging** - radiation damage and annealing

- Validation of SiPM as photosensors for usage in Cherenkov imaging counter at ePIC

- **dRICH gas and gas system**

- Validation of C_2F_6 not used so far as gas radiator and novel gas separation principle also compliant with environmental restrictions

- **AC-LGAD**

- Sensor development and qualification

4 technical papers in total

- A need resulted from the discussion:

- **A paper dedicated to background studies**

- Writing and editorial team still to be identified

Path forward

- **Progress in paper writing will be monitored by collecting shortform information about the progress of the individual papers**
- **First update requested by October 15 (for the October 19th TIC meeting)**
 - **1 slide per paper with:**
 - **Paper Title**
 - **Paper structure, f.i. by a Table of Content**
 - **Writing board**
 - **PoC for the paper**
 - **Other information that the writing teams would like to add at this point; examples**
 - **Missing information**