

Paper list related to work finished

Paper title	main editors	Proposed journal	Timeline	Other information
A simulation based design of the CEPC fast luminosity monitor detector using SiC	Zhang, Xiyuan; Li, Yanpeng	JINST	Published	https://iopscience.iop.org/article/10.1088/1748-0221/21/02/T02009/meta
Mitigation of synchrotron radiation background at the CEPC interaction region for the Vertex Detector	Shi, Haoyu; Tang, Yanbang	JINST	Published	https://iopscience.iop.org/article/10.1088/1748-0221/21/02/P02036/meta
Measuring high-precision luminosity at the CEPC	Hou, Suen; Gong, Jiading	RDTM	Submitted to arXiv and RDTM; still under review	https://arxiv.org/abs/2601.05677
CEPC 基准探测器对撞区辐射剂量初步评估	Shi, Haoyu; Tang, Yanbang	核技术	Submitted to journal	

Paper related to Lumi Measurement

- A simulation based design of the CEPC fast luminosity monitor detector using SiC
 - Accepted by JINST
 - Add detailed information about the detector design and simulation results.
- Measuring high-precision luminosity at the CEPC
 - Submitted to RDTM. 2nd round of review.
 - Add more information of the luminosity measurement sub-system.

Paper related to MDI and Background

- Mitigation of synchrotron radiation background at the CEPC interaction region for the Vertex Detector
 - Accepted by JINST
 - Add detailed information about the simulation and optimization steps.
- CEPC 基准探测器对撞区辐射剂量初步评估
 - Submitted to 核技术. Revesioning.
 - Focus on the radiation simulation of the Ref-Det and the interaction region.

Backup

Paper list related to work unfinished

Paper title	main editors	Proposed journal	Timeline	Other information
Simulate CEPC Incoherent Pair Production Backgrounds using Gienea-Pig++(TBD)	Chen, Boping; Shi, Haoyu	RDTM(TBD)	Work is on-going; to be drafted in this year	