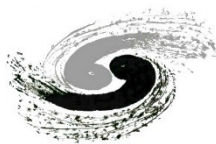




# CEPC vertex Detector publication plan

Zhijun Liang



中国科学院高能物理研究所  
*Institute of High Energy Physics*  
*Chinese Academy of Sciences*

# Vertex detector publication plan

Paper title	Main editors	Journal	timeline
Beam Test of a Baseline Vertex Detector Prototype for CEPC	Zhijun Liang, Wei wei, Ying Zhang, Joao et al	IEEE Trans. Nucl. Sci. 71(6), 1319–1323 (2024)	published
Characterization of the JadePix-3 CMOS pixel sensor for the CEPC vertex detector	Yunpeng Lu et al	NIMA	published
Beam test result and digitization of TaichuPix-3: A Monolithic Active Pixel Sensors for CEPC vertex detector	Hancen Lu , Zhijun Liang et al	NIM or JINST	to be ready in 3 months
Design and Performance Evaluation of the CEPC Vertex Detector Based on Stitching MAPS Technology	Chengdong Fu, Tianyuan Zhang et al	NIM or JINST or EPJC	to be ready in 3 months
Advanced performance evaluation and Layout optimization of the CEPC Vertex Detector	Chengdong Fu, Tianyuan Zhang et al	NIM or JINST or EPJC	to be ready in 12 months
domestic CIS technology for CEPC vertex detector	Ying Zhang, Yunping et al	IEEE TNS	to be done in late 2027

# Vertex+physics

Paper title	Main editors	Journal	timeline
Optimisation of the vertex detector and measurement of Higgs decays to second-generation quarks at the CEPC	Jialin Li, Hao Liang ,Kaili Zhang ,Yifan Zhu, Jun Guo ,Haijun Yang , Manqi Ruan	JHEP 03 (2026) 141	published