

第四届全国辐射探测微电子学 术年会 (NME ‘2025)

Report of Contributions

Contribution ID: **38**

Type: **not specified**

注册签到

Thursday, 17 July 2025 08:00 (30 minutes)

Contribution ID: 40

Type: **not specified**

闭幕讲话

Thursday, 17 July 2025 17:25 (5 minutes)

Contribution ID: 41

Type: **not specified**

电子器件空间辐射效应模拟试验技术与加固技术（大会邀请报告）

Thursday, 17 July 2025 08:30 (25 minutes)

Presenter: Prof. 罗, 尹虹

Session Classification: 邀请报告

Contribution ID: 42

Type: **not specified**

辐射探测器级 CVD 金刚石材料制备和器件性能研究 (大会邀请报告)

Thursday, 17 July 2025 08:55 (25 minutes)

Presenter: Prof. 苏, 凯 (西安交通大学)

Session Classification: 邀请报告

Contribution ID: 43

Type: **not specified**

用于阵列探测成像的集成化技术综述

Thursday, 17 July 2025 09:20 (15 minutes)

Presenter: 时, 明月 (西北核技术研究所)

Session Classification: Session 1

Contribution ID: 44

Type: **not specified**

基于 BPIX 芯片的大规模像素探测器研制及进展

Thursday, 17 July 2025 09:35 (15 minutes)

Presenter: 李贞杰, UNKNOWN (高能所)

Session Classification: Session 1

Contribution ID: 45

Type: **not specified**

一种用于电镜的高帧率大动态范围像素探测器系统

Thursday, 17 July 2025 09:50 (15 minutes)

Presenter: 魏, 桐 (清华大学工程物理系)

Session Classification: Session 1

Contribution ID: 46

Type: **not specified**

Topmetal-CEE

Thursday, 17 July 2025 10:05 (15 minutes)

Presenter: 刘, 君帅 (华中师范大学)

Session Classification: Session 1

Contribution ID: 47

Type: **not specified**

基于 180 nm CMOS 工艺的 STCF MAPS 芯片研究进展

Thursday, 17 July 2025 10:40 (15 minutes)

Presenter: 宾, 心瑜 (University of Science and Technology of China)

Session Classification: Session 2

Contribution ID: 48

Type: **not specified**

基于国产 55nm 工艺高压 CMOS 像素探测器芯片 COFFEE3 的设计研发

Thursday, 17 July 2025 10:55 (15 minutes)

Presenter: ZHOU 周, Yang 扬 (IHEP)

Session Classification: Session 2

Contribution ID: 49

Type: **not specified**

用于太阳 X 射线探测的 256×256 阵列像素型读出 ASIC 研究进展

Thursday, 17 July 2025 11:10 (15 minutes)

Presenter: 武, 晓余 (西北工业大学)

Session Classification: Session 2

Contribution ID: 50

Type: **not specified**

面向自由电子激光的像素探测器读出芯片 HYLITE 设计

Thursday, 17 July 2025 11:25 (15 minutes)

Presenter: 李, 木槿 (高能所)

Session Classification: Session 2

Contribution ID: 51

Type: **not specified**

国产大靶面 CMOS 探测器的研制和应用

Thursday, 17 July 2025 11:40 (15 minutes)

Presenter: LING, zhixing (nao)

Session Classification: Session 2

Contribution ID: 52

Type: **not specified**

集成脉冲神经网络加速器的像素型读出 ASIC 设计进展

Thursday, 17 July 2025 11:55 (15 minutes)

Presenter: 徐, 德 (西北工业大学)

Session Classification: Session 2

Contribution ID: 53

Type: **not specified**

集成像素级 ADC 的高压 CMOS 像素传感器设计

Thursday, 17 July 2025 12:10 (15 minutes)

Presenter: 宋, 澳东

Session Classification: Session 2

Contribution ID: 55

Type: **not specified**

基于 WASA 芯片的可扩展微结构气体探测器读出电子 学研制

Thursday, 17 July 2025 13:30 (15 minutes)

Presenter: LIU, Canwen (Tsinghua Univerisity)

Session Classification: Session 3

Contribution ID: 56

Type: **not specified**

一种 64 通路 10.2Mcps 能量分辨光子计数前端读出 ASIC 芯片设计

Thursday, 17 July 2025 13:45 (15 minutes)

Presenter: 高, 天龙 (西北工业大学)

Session Classification: Session 3

Contribution ID: 57

Type: **not specified**

用于 HIAF 中 TPC 探测器的数字化读出 ASIC 研制进展

Thursday, 17 July 2025 14:00 (15 minutes)

Presenter: 蒲, 天磊 (中科院近物所)

Session Classification: Session 3

Contribution ID: 58

Type: **not specified**

用于 SiPM 探测器的 64 通路 3600pC 电流模式前端读出 ASIC 设计

Thursday, 17 July 2025 14:15 (15 minutes)

Presenter: 董, 红娇 (西北工业大学)

Session Classification: Session 3

Contribution ID: 59

Type: **not specified**

SiPM 读出芯片前端与 gm/C 型滤波成形单元的设计讨论

Thursday, 17 July 2025 14:30 (15 minutes)

Presenter: WANG, Ke (Institute of high energy physics, CAS)

Session Classification: Session 3

Contribution ID: 60

Type: **not specified**

用于高精度时钟同步的延时调节 ASIC 设计

Thursday, 17 July 2025 14:45 (15 minutes)

Presenter: 秦, 家军 (中国科学技术大学)

Session Classification: Session 3

Contribution ID: 61

Type: **not specified**

基于无源内插型结构的 TDC ASIC 设计

Thursday, 17 July 2025 15:00 (15 minutes)

Presenter: 赵, 俊博

Session Classification: Session 3

Contribution ID: 62

Type: **not specified**

探测器前端信号处理的变换域参数模型和神经网络

Thursday, 17 July 2025 15:15 (15 minutes)

Presenter: 艾, 鹏程 (华中师范大学)

Session Classification: Session 3

Contribution ID: 63

Type: **not specified**

先进三维探测器研制

Thursday, 17 July 2025 15:30 (15 minutes)

Presenter: LIU, Manwen (中国科学院微电子研究所)

Session Classification: Session 3

Contribution ID: 64

Type: **not specified**

应用于束流监测的新型快速亮度探测器研究

Presenter: FAN (樊云云) , Yunyun (IHEP)

Session Classification: Session 3

Contribution ID: 65

Type: **not specified**

硅微条探测器系统的研制

Thursday, 17 July 2025 16:00 (6 minutes)

Presenter: ZHANG, bo (中国科学院高能物理研究所)

Session Classification: Session 4

Contribution ID: 66

Type: **not specified**

硅漂移探测器关键技术研发与进展

Thursday, 17 July 2025 16:06 (6 minutes)

Presenter: 暴子瑜, UNKNOWN (高能所)

Session Classification: Session 4

Contribution ID: 67

Type: **not specified**

55nm HVCMOS 单片探测器 COFFEE2 前端电路设计和测试

Thursday, 17 July 2025 16:12 (6 minutes)

Presenter: LU, Weiguo (IHEP)

Session Classification: Session 4

Contribution ID: 68

Type: **not specified**

集成可重构模拟神经网络加速器的像素型读出 ASIC 芯片设计

Thursday, 17 July 2025 16:18 (6 minutes)

Presenter: 程, 静思

Session Classification: Session 4

Contribution ID: 69

Type: **not specified**

面向 ITER 诊断系统的单片型 X 射线像素探测器设计

Thursday, 17 July 2025 16:24 (6 minutes)

Presenter: 李, 木槿 (高能所)

Session Classification: Session 4

Contribution ID: 70

Type: **not specified**

面向塑料闪烁体阵列探测器的前端读出芯片研制与测试

Thursday, 17 July 2025 16:30 (6 minutes)

Presenter: 张, 家瑞 (中国科学院近代物理研究所)

Session Classification: Session 4

Contribution ID: 71

Type: **not specified**

塑料闪烁光纤探测器的读出电子学

Thursday, 17 July 2025 16:36 (6 minutes)

Presenter: 吕, 城翰 (山东高等技术研究院)

Session Classification: Session 4

Contribution ID: 72

Type: **not specified**

应用于 CMOS 像素探测器的高性能锁相环电路设计

Thursday, 17 July 2025 16:42 (6 minutes)

Presenter: 施, 展 (N)

Session Classification: Session 4

Contribution ID: 73

Type: **not specified**

用于暗物质粒子探测的多通道 14 位 3 · MS/s 混合型 ADC 芯片研制进展

Thursday, 17 July 2025 16:48 (6 minutes)

Presenter: 喻, 春杨

Session Classification: Session 4

Contribution ID: 74

Type: **not specified**

基于分立元器件的两极时间放大 TDC

Thursday, 17 July 2025 16:54 (6 minutes)

Presenter: 褚衍博 (清华大学)

Session Classification: Session 4

Contribution ID: 75

Type: **not specified**

Study of LGAD Sensor in Neutron Detection

Thursday, 17 July 2025 17:00 (6 minutes)

Presenter: LI, Mengzhao (高能所)

Session Classification: Session 4

Contribution ID: 76

Type: **not specified**

选通像增强器技术在微弱脉冲信号探测中的应用

Thursday, 17 July 2025 17:06 (6 minutes)

Presenter: Mr XU, Shiyu

Session Classification: Session 4

Contribution ID: 77

Type: **not specified**

应用在单光子计数型硅像素探测器的 DEFLATE 无损压缩算法

Thursday, 17 July 2025 17:12 (6 minutes)

Presenter: 马, 尉然 (高能物理研究所)

Session Classification: Session 4

Contribution ID: 78

Type: **not specified**

基于纯 CsI 的中微子相干探测在 40K 低温下的 SiPM 特性表征

Thursday, 17 July 2025 17:18 (6 minutes)

Presenter: 刘, 涛 (中国科学院高能物理研究所)

Session Classification: Session 4