PSD13

St. Catherine's College
September 3-8, 2023
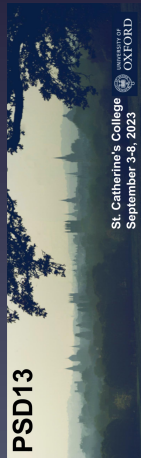
UNIVERSITY OF OXFORD

Final thoughts

D. Bortoletto

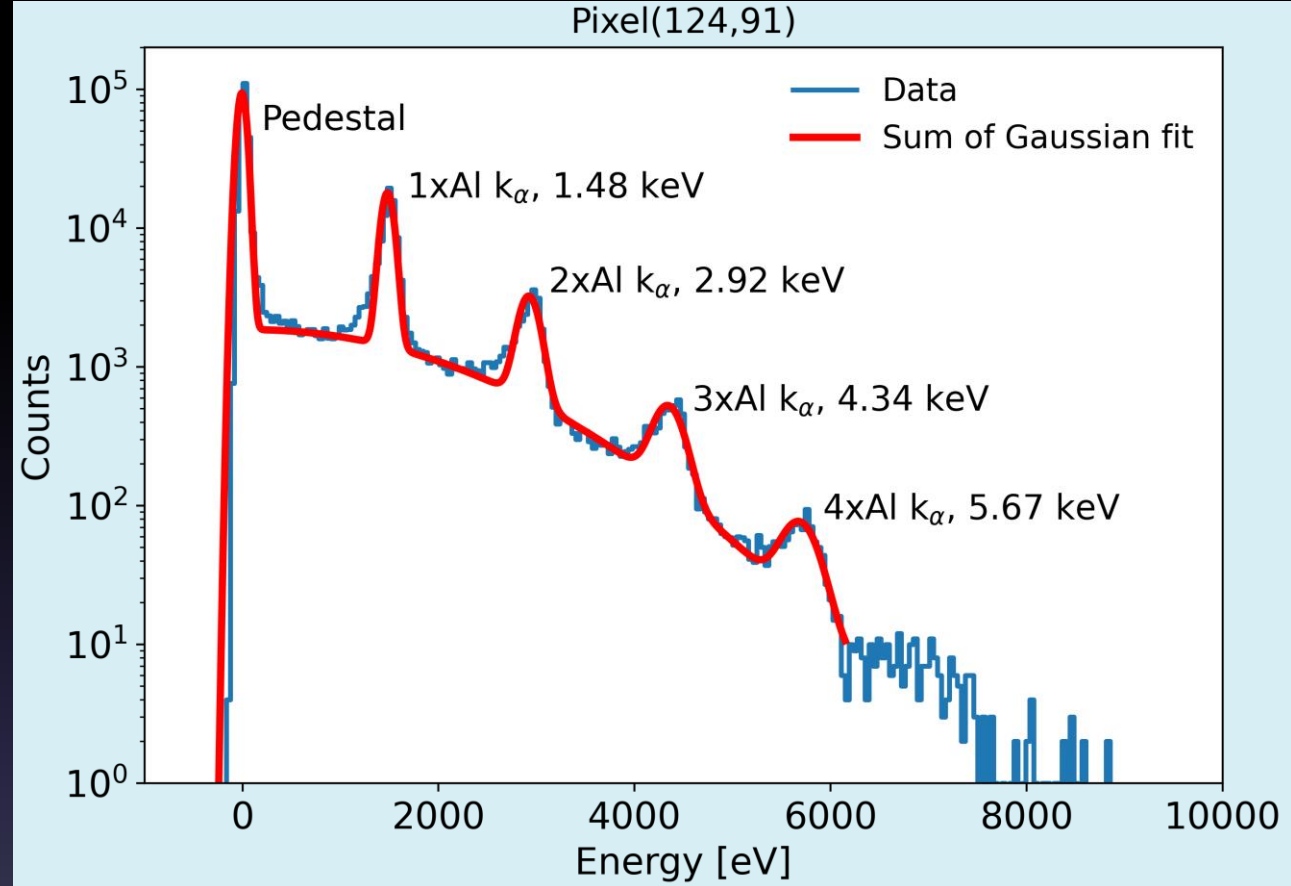# Poster competition winner (I)

Summary
- MCP-PMT simulation produced using CST Studio Suite
- 919 pores simulated, 25 incident photons
- Uniform magnetic fields applied in different directions, with different field strengths
- Gain, timing and spatial performance are produced

Magnetic Field Direction: ↓

Magnetic Field Strength: 0.5 T
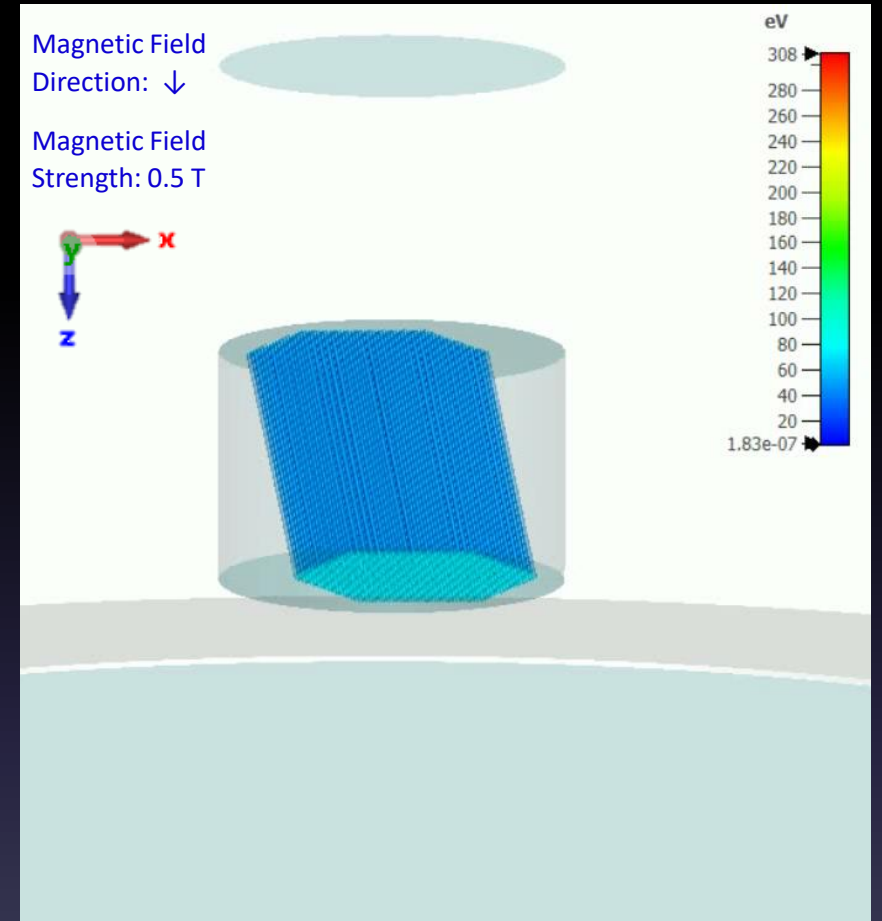
Emily Baldwin

Simulating Performance of Microchannel Plate Photomultipliers in Magnetic Fields
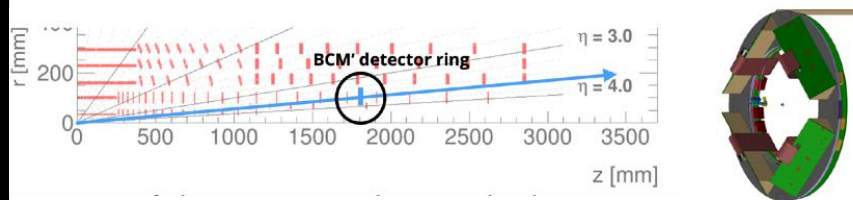
Poster competition winner (II)

Ibrahym Dourki
Experimental investigation of the imaging capabilities of a DEPFET ladder of the DSSC X-ray camera at the European XFEL
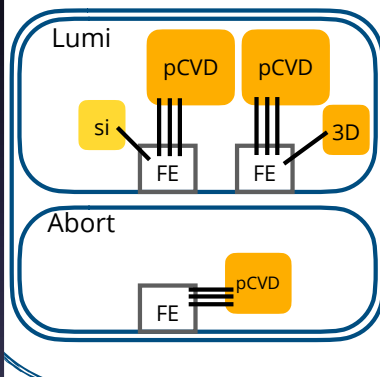
Poster competition winner (III)

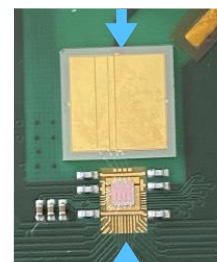BCM' ring inside ITk detector and ring schematic.

ToF measurements for abort functionality and event counting for luminosity.

Detector station schema:

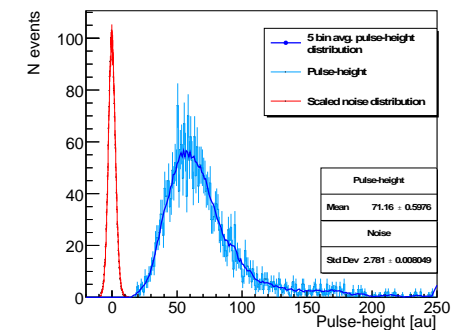Lumi — pCVD, pCVD, si, 3D, FE, FE

Abort — FE, pCVD

pCVD diamond sensor.

Rad-hard Calypso FE ASIC.

CERN SPS test beams:

▸ Analog output spectrum and S/N

▸ Threshold scan of LVDS outputs.
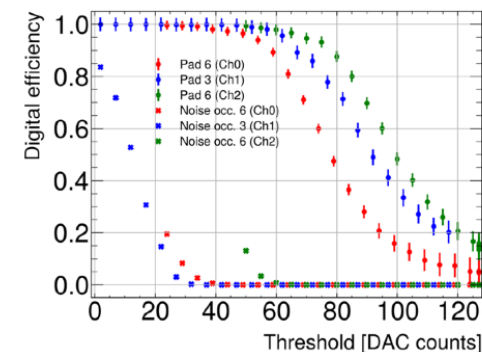
Miha Mali
Development of the BCM system for beam abort and luminosity monitoring in ATLAS based on a segmented polycrystalline CVD diamond system and dedicated front-end ASIC

Proceedings

- Published by NIM A
- Submission Open Date: 10/09/2023
- Instructions will appear shortly on our web site
  - Keynote presentation: 6 pages
  - Talk:4 pages
  - Posters: 3 pages

PSD14 in 2026

Queen Mary
University of London

PSD14 bid

Peter Hobson, Professor of Physics

School of Physical and Chemical Sciences

Last revised 6/9//2023

PSD14

- **Queen Mary University of London**

- A research intensive university: 33000 students and 5400 staff

- Three Faculties:
  - Science and Engineering
  - Medicine and Dentistry
  - Humanities and Social Sciences

- Five campuses in East/Central London:
  - **MileEnd**
  - Whitechapel
  - West Smithfield
  - Charterhouse Square
  - Lincolns Inn

- Compact campus with excellent connections to Central London and Airports
- Close to Liverpool St station
- Mile End tube station - 7 minutes walk from campus
- Quick connections to Elizabeth Line which runs to Reading & Heathrow in the West.
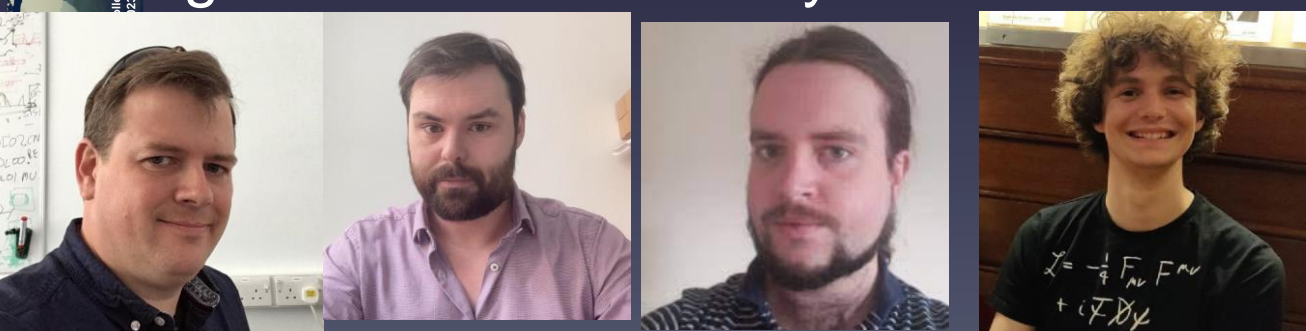
08/09/2023

Many thanks

- The support of Sue Geddes and the excellent team at Catz (especially Belinda, Fatima,.....)

The excellent work of the Local, National, and International organizing committees

- The speaker and the poster presenters

The OPMD team who gave you a great visit of our facility

International Advisory Committee

- Anna Bergamaschi, PSI, Switzerland
- Michael Campbell, CERN, Switzerland
- Gabriella Carini, BNL, USA
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- Ian Shipsey, University of Oxford
- Daniel Weatherill, University of Oxford
- Sue Geddes, University of Oxford
- St. Catz conferences

Have a safe trip home!