Contribution ID: **2097** Contribution code: **THPS035** Type: **Poster Presentation**

Detector protection system used in the Taiwan Photon Source 13A experimental station

Thursday 5 June 2025 15:30 (2 hours)

At the Taiwan Photon Source 13A experimental station, the detector is prone to noise interference in a vacuum environment ranging from 750 torr to 7 mtorr, which can lead to malfunctions. Therefore, a rapid automatic power-off system has been designed to immediately shut down the detector's power when it is in an abnormal vacuum range, reducing the impact of noise on the detector and thereby extending its lifetime.

Footnotes

Paper preparation format

Word

Region represented

Asia

Funding Agency

Author: CHANG, Chia-Feng (National Synchrotron Radiation Research Center)

Co-author: LIU, Chinyen (National Synchrotron Radiation Research Center)

Presenter: CHANG, Chia-Feng (National Synchrotron Radiation Research Center)

Session Classification: Thursday Poster Session

Track Classification: MC6: Beam Instrumentation and Controls,Feedback and Operational Aspects: MC6.T23 Machine Protection