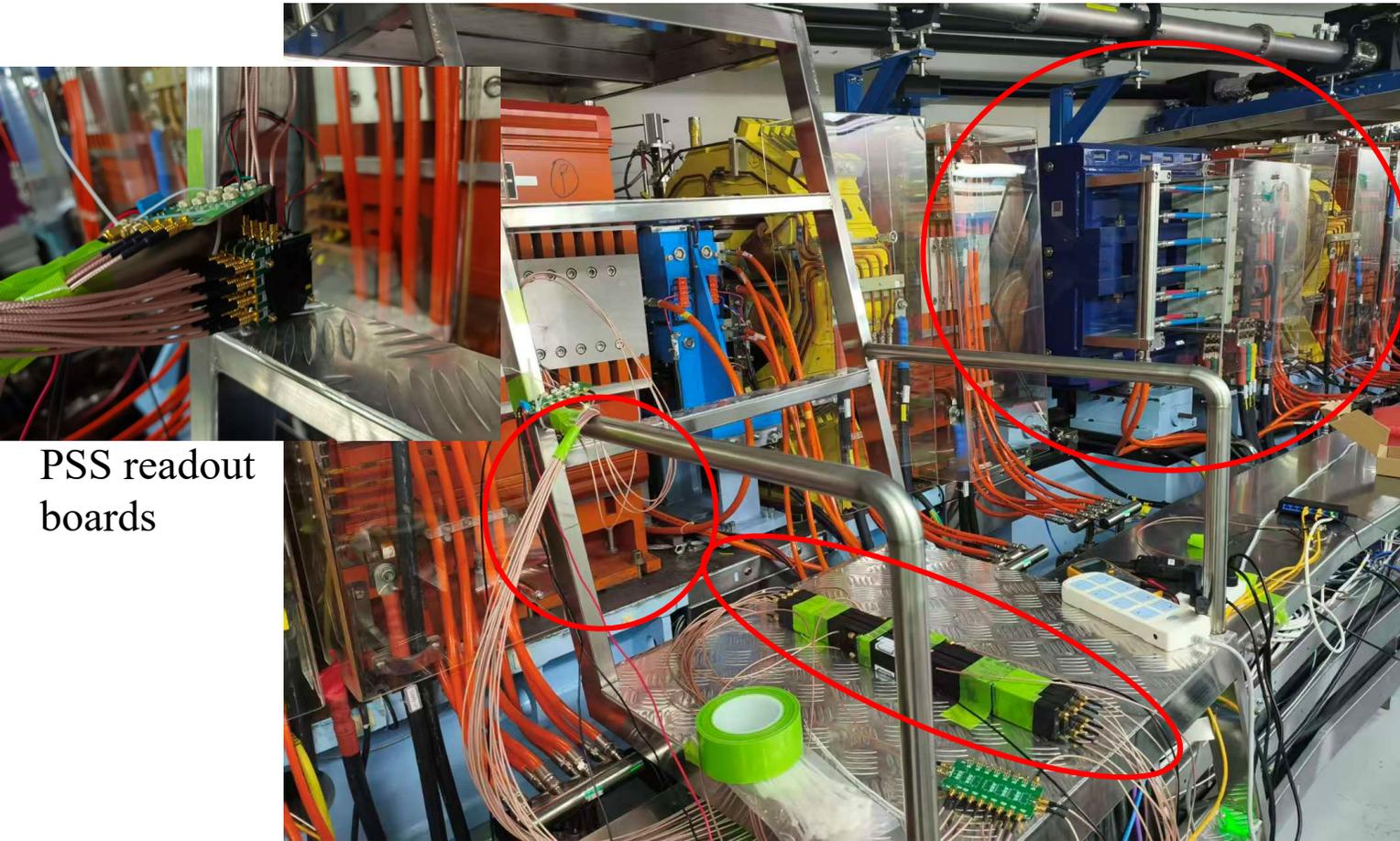


# Group Meeting

邹世明

2026/03/06

# Test in SSRF



PSS readout boards

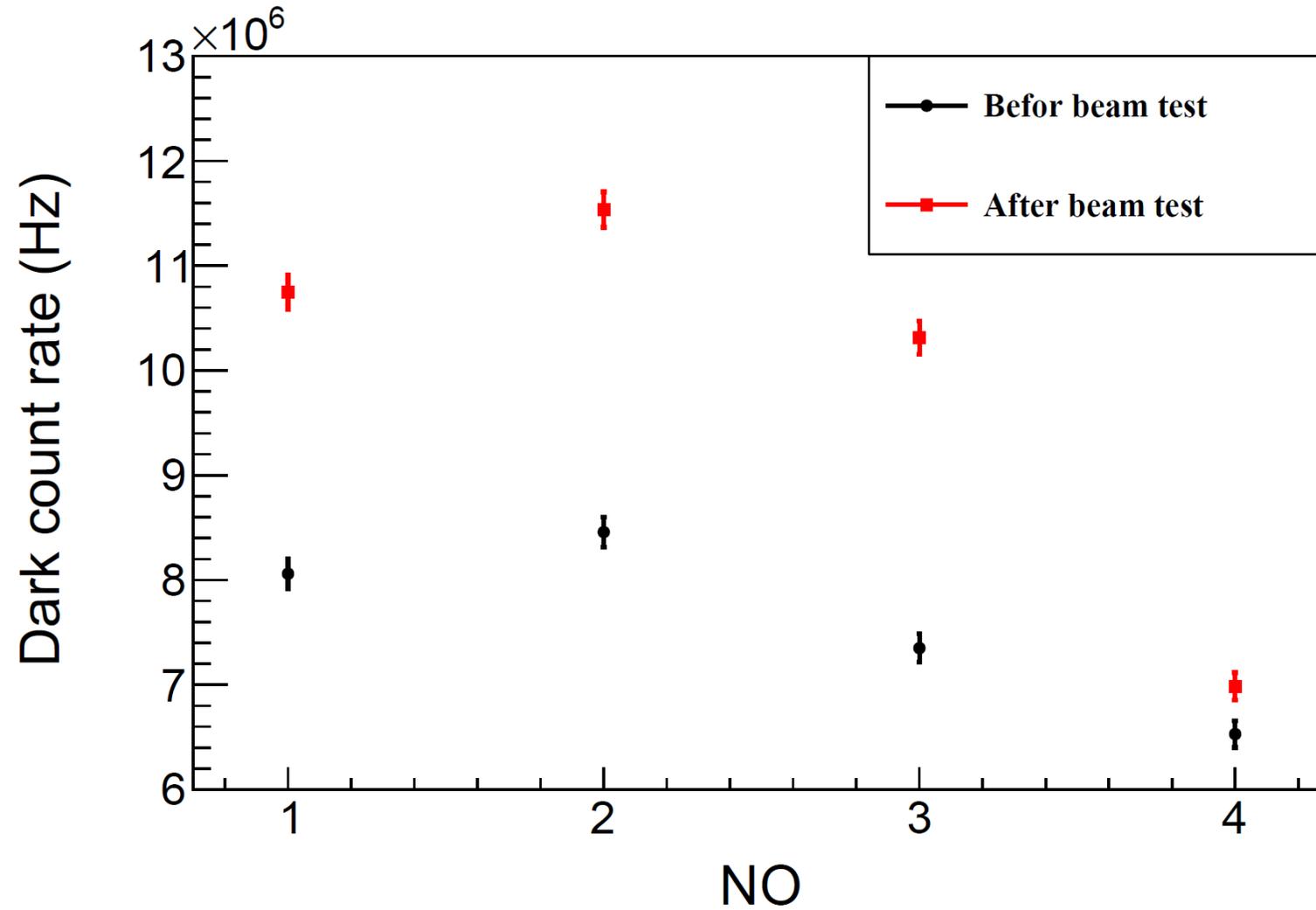
Scintillators

Quadrupole magnet

Trigger mode	Counts	Time (s)	Count rate( $s^{-1}$ )
Strip1, 4 Logic And	45220	16000	$2.8 \pm 0.1$
Strip2	28061	600	$46.8 \pm 0.3$
Strip3	29663	600	$49.4 \pm 0.3$

Stable beam injection  $\sim 200$  mA

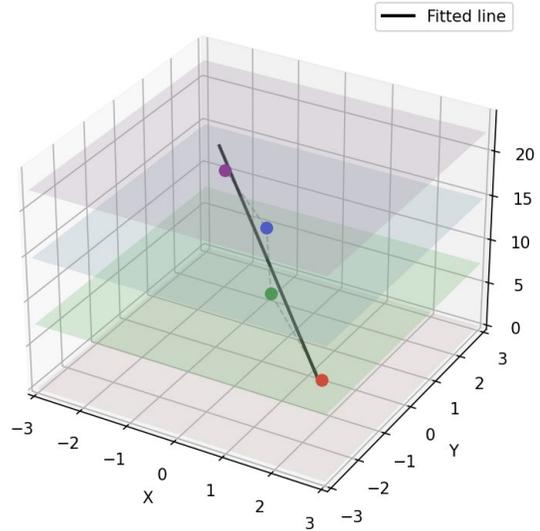
# Dark count rate of PSS



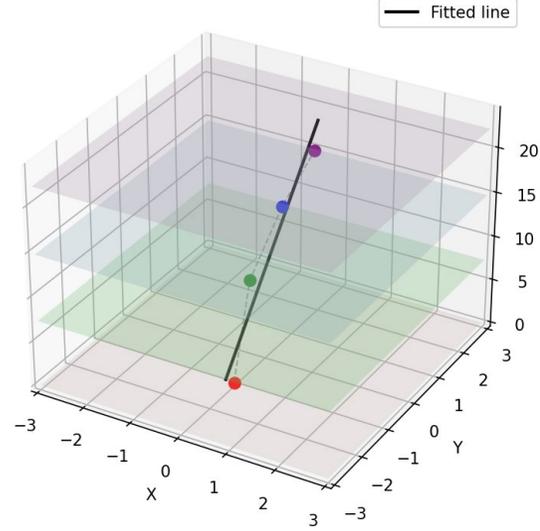
After the beam test, the dark count rate increase significantly for NO.1, 2, 3.

# Tracks detected by PSS – Beam test

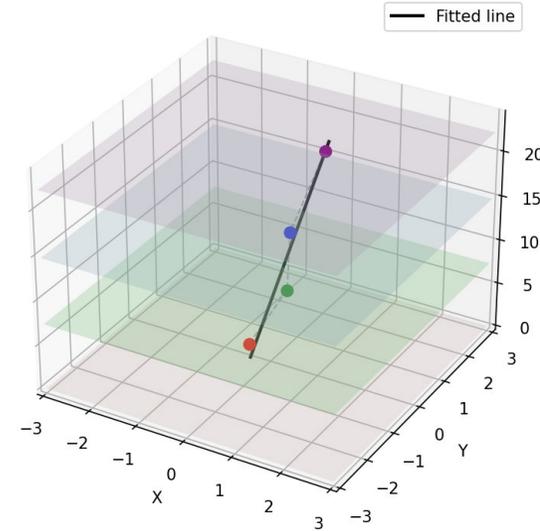
Event 643



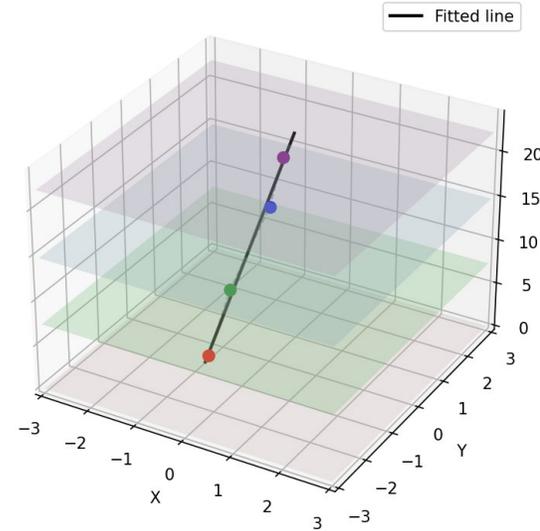
Event 10409



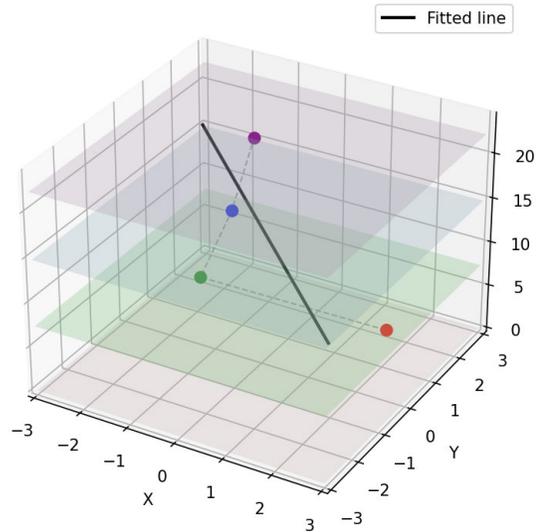
Event 10220



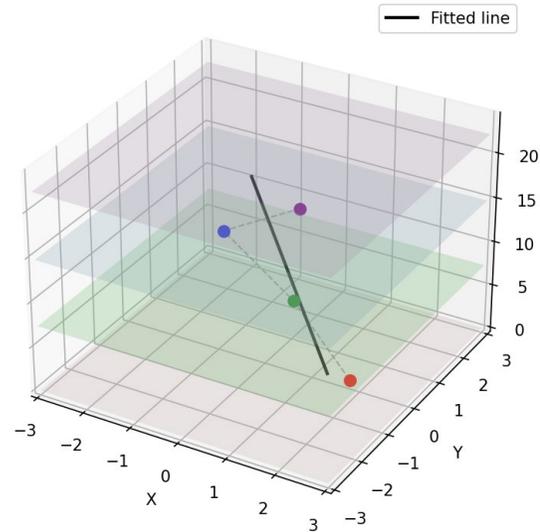
Event 12463



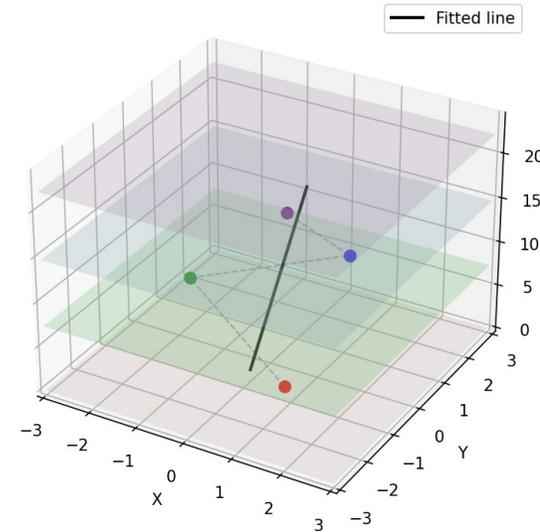
Event 13318



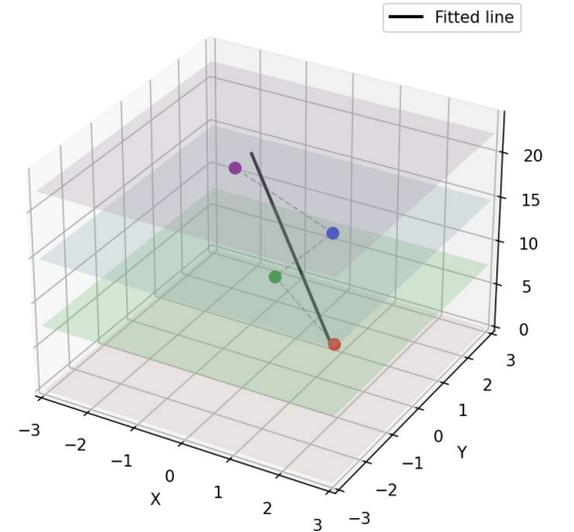
Event 14021



Event 41468

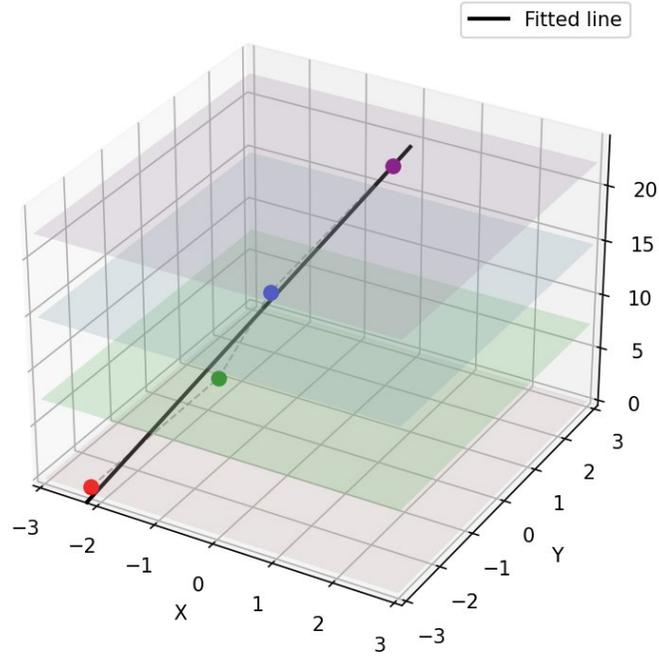


Event 1870

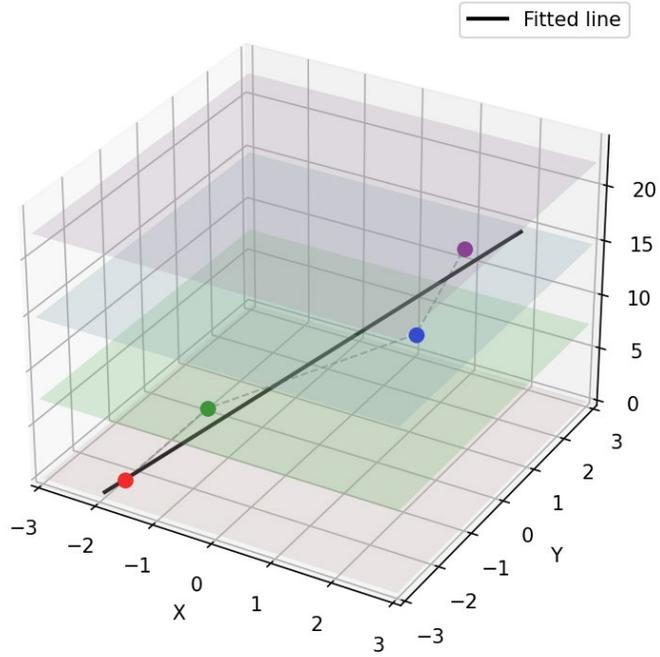


# Tracks detected by PSS – Cosmic rat test

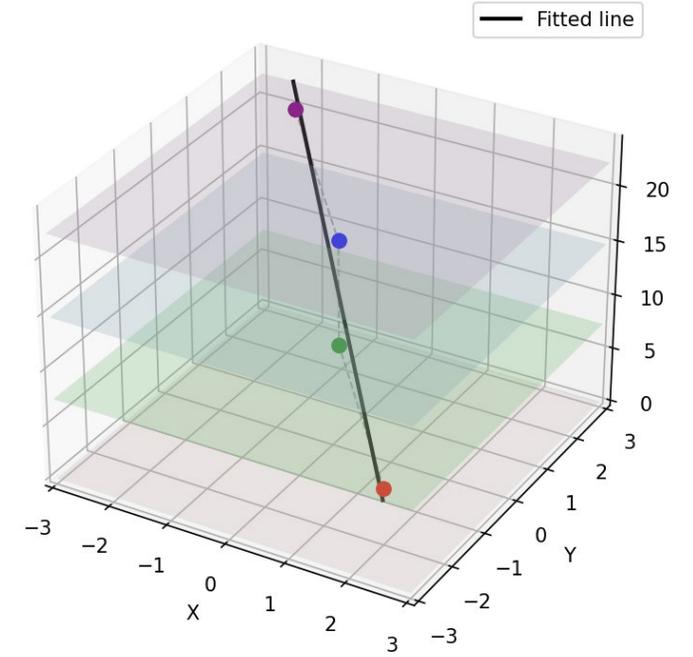
Event 4552



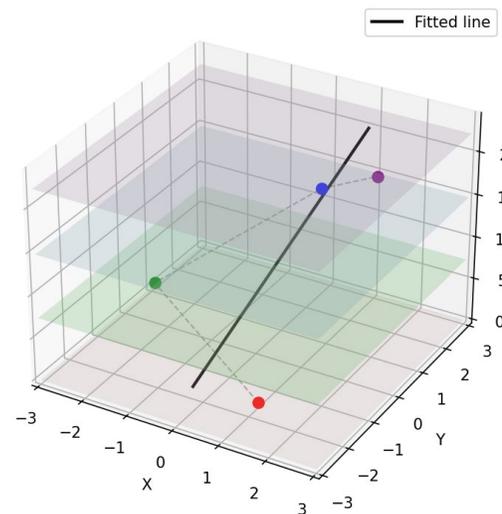
Event 2753



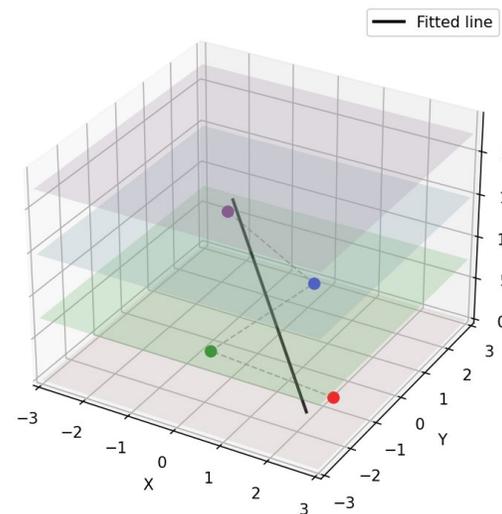
Event 4204



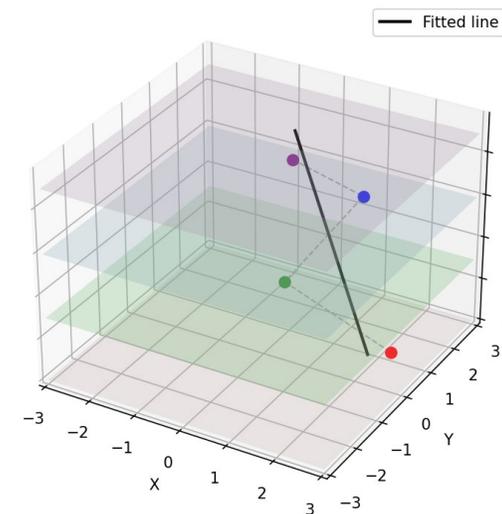
Event 2775



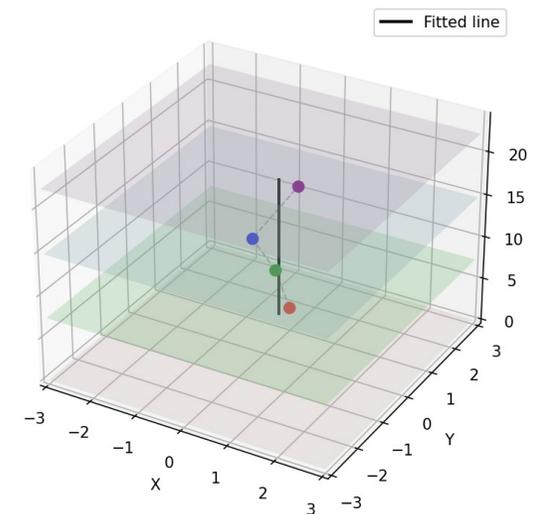
Event 5220



Event 8623



Event 4802



# Amplifier with PZC

