ERT-RICH trigger board check: Run12

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Outline

- Current Board configuration
- Turn on curve for LED and noise
  - East, West x2 (two types of lvl1 delay)
- Board swapping
  - Since some sectors do not have sufficient LED light to test, we swapped the boards to check if they are alive.
- Summary

Current config.

EN0	EN1
11	12
EN2	EN3
10	06

WN0	WN1
01	13
WN2	WN3
32	08

ES0	ES1
21	02
ES2	ES3
05	16

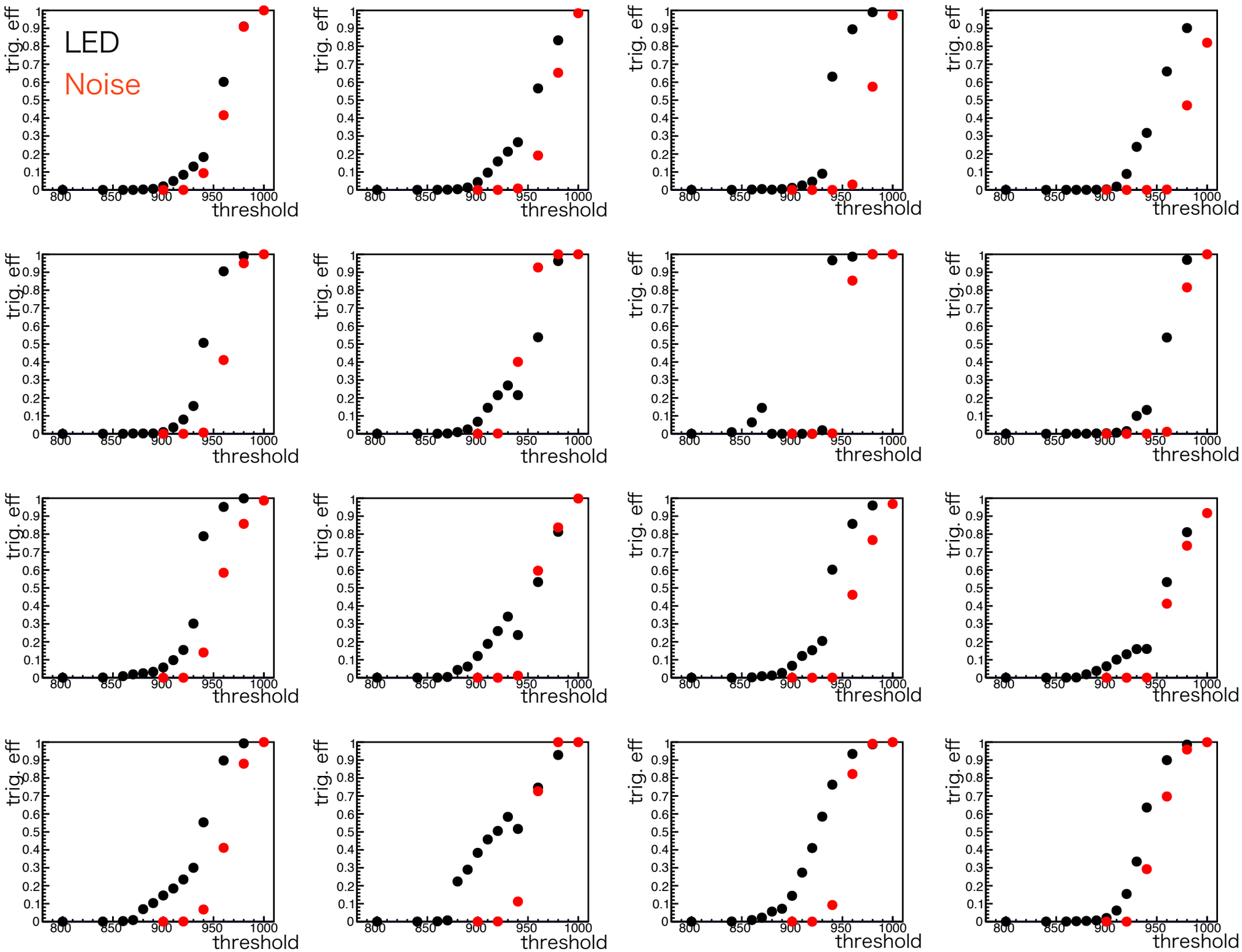
WS0	WS1
0	15
WS2	WS3
17	20

Turn on curve

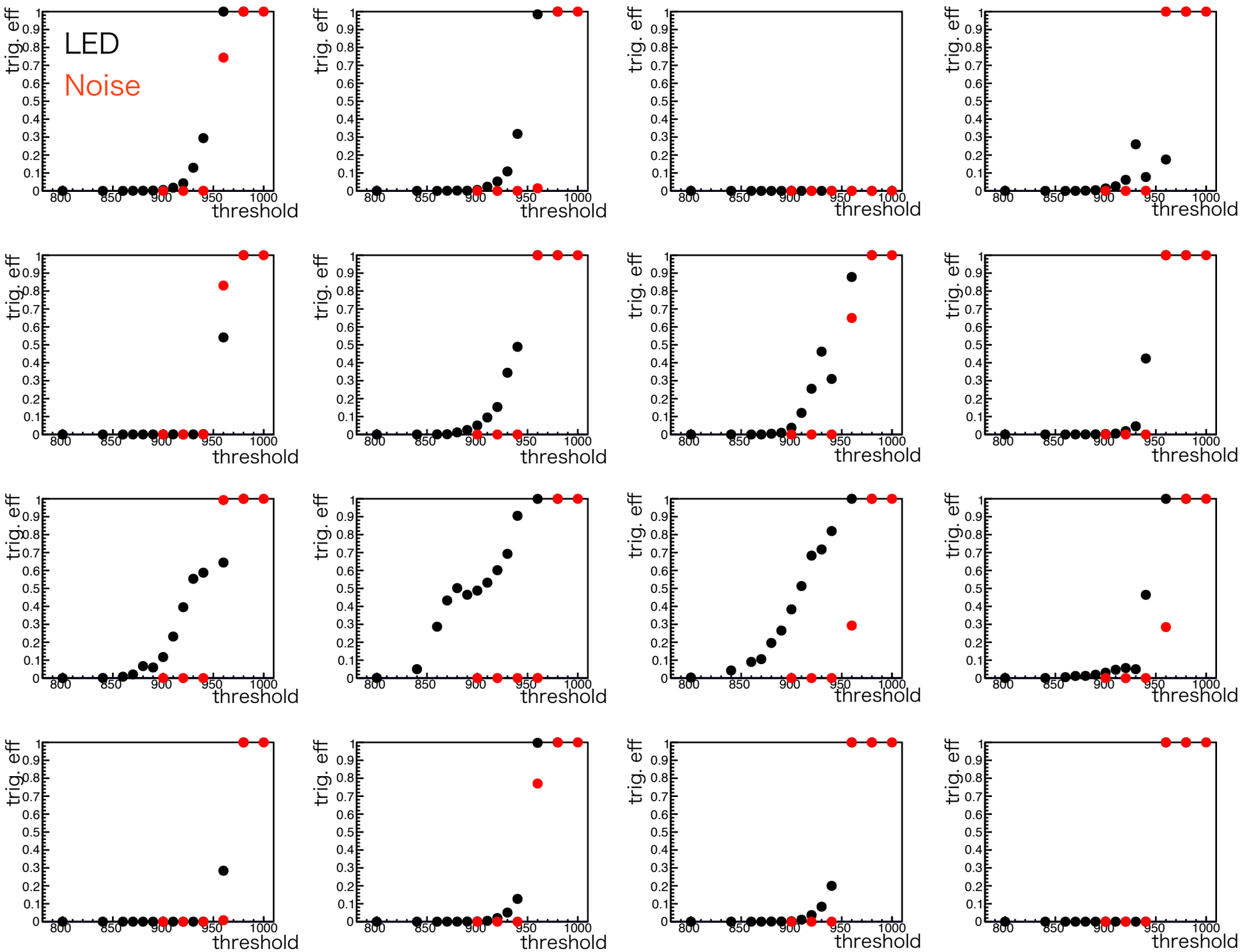
East

LED test lvl1 delay: 2 other delays: default value

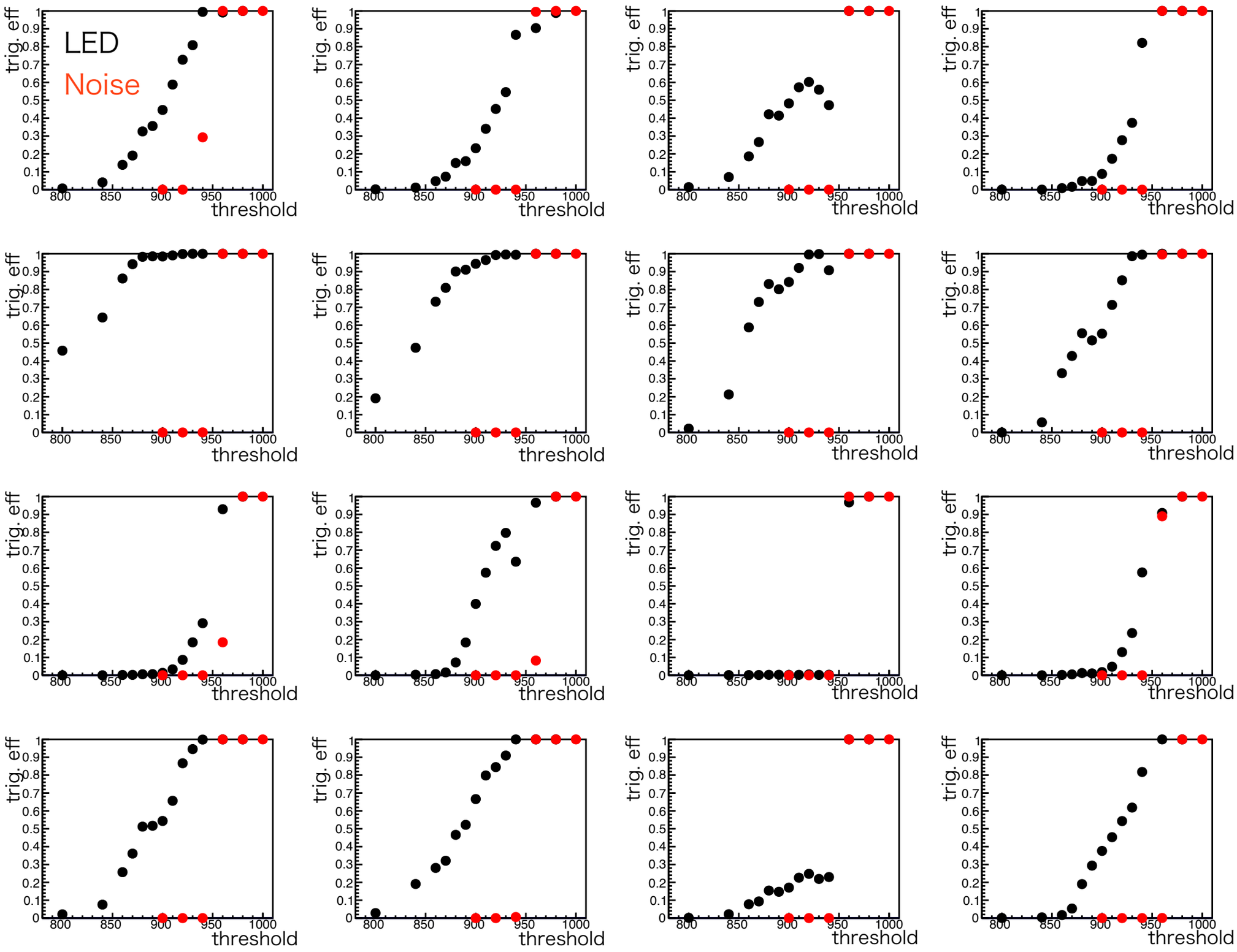
ES0: 21



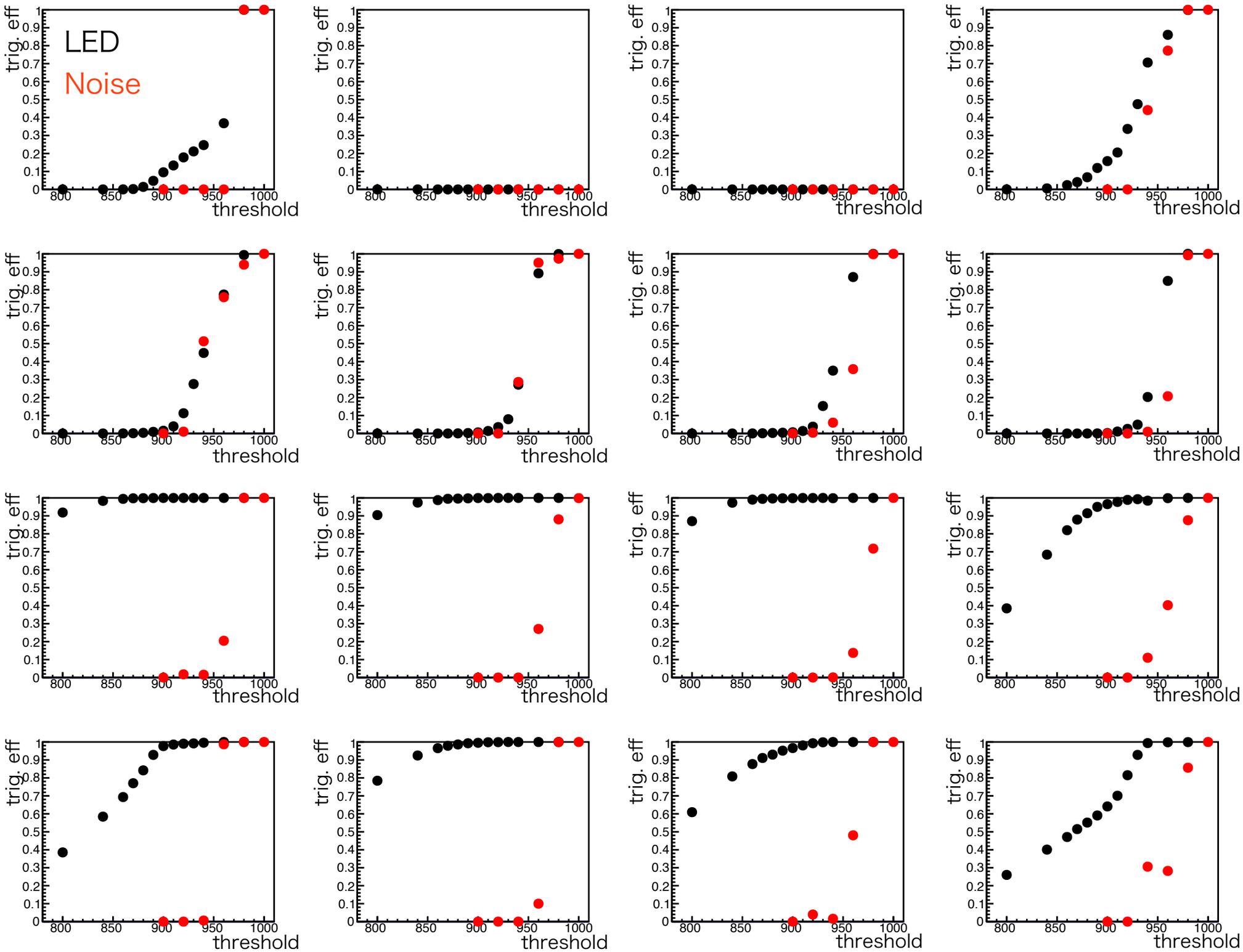
ES1: 02



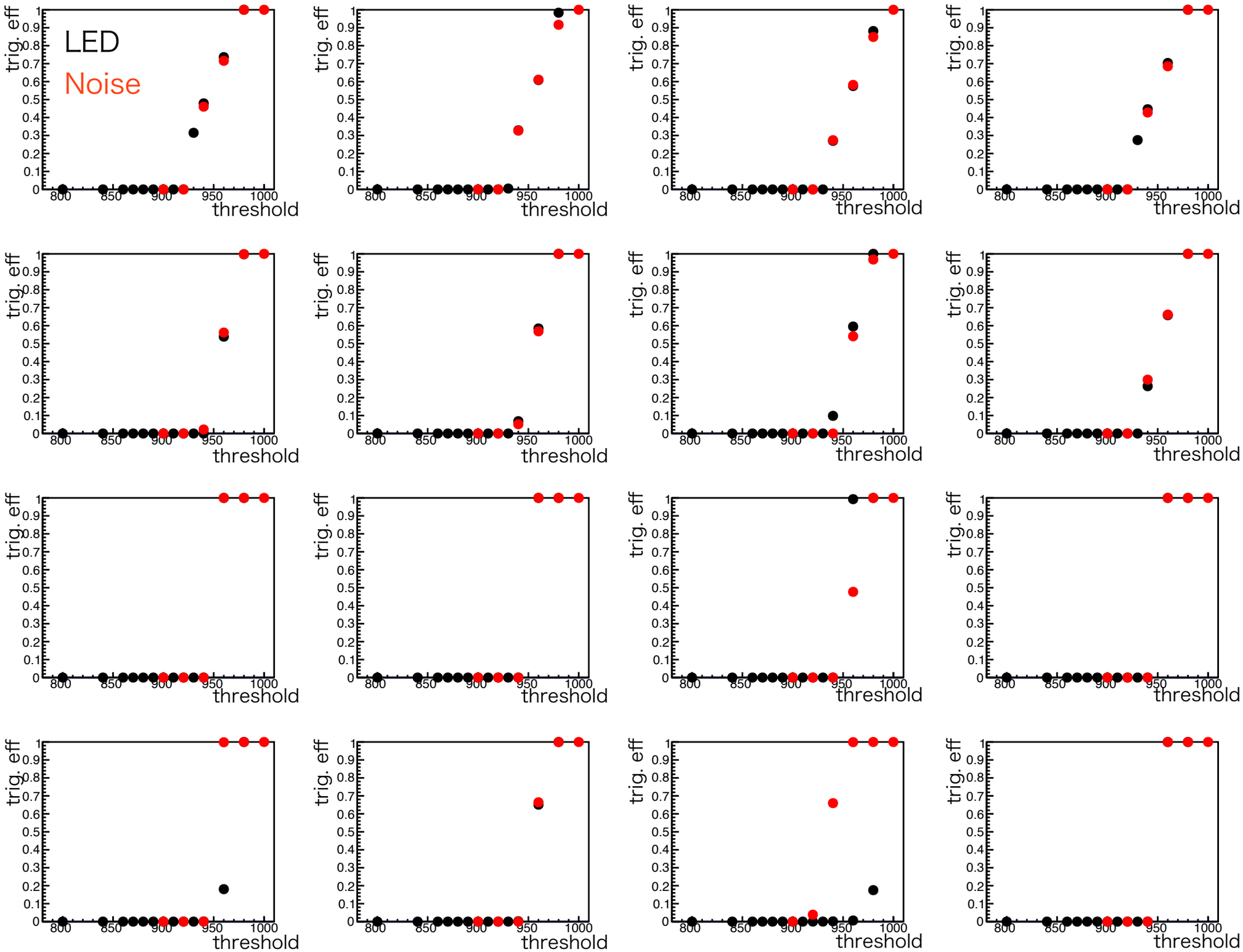
ES2: 05



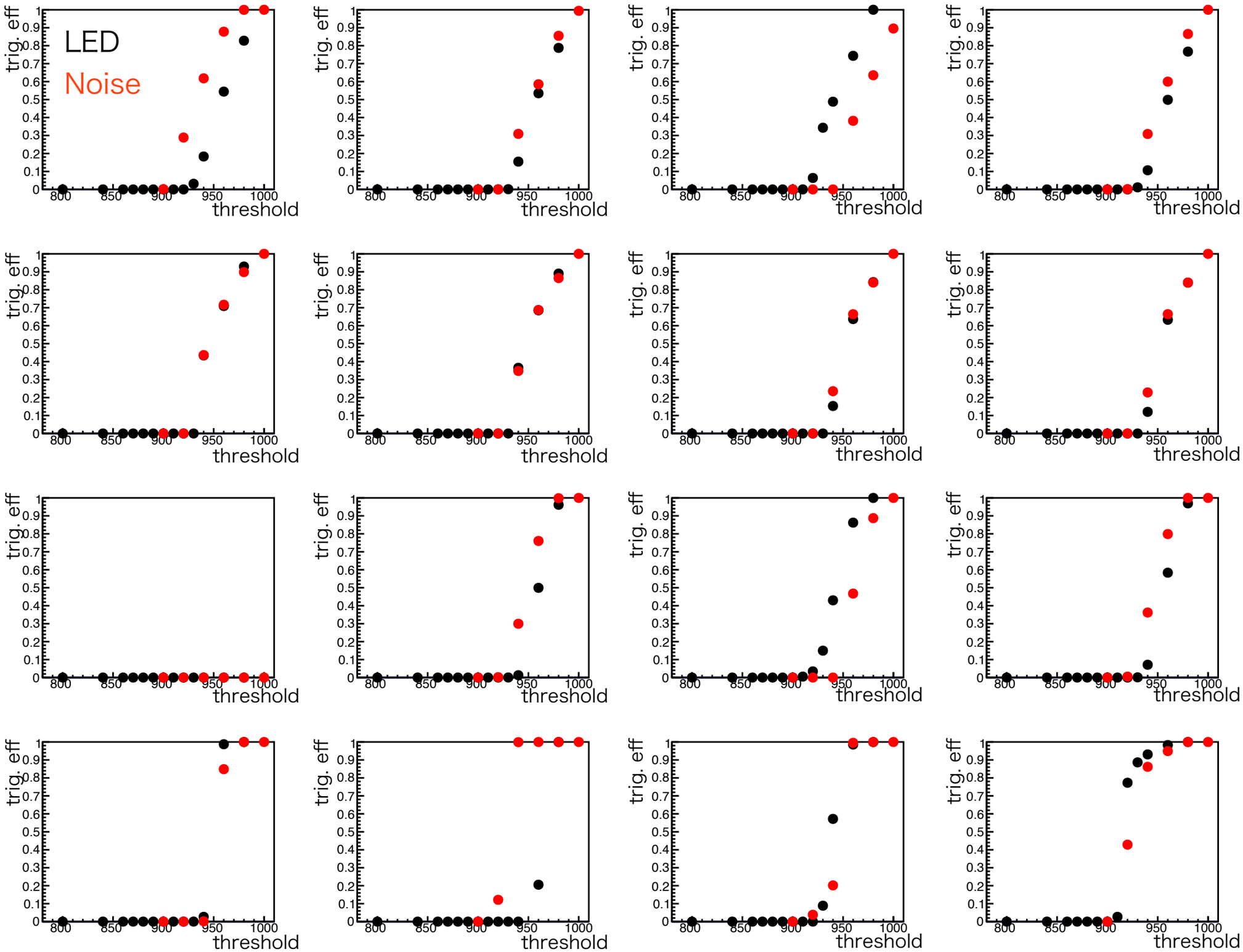
ES3: 16



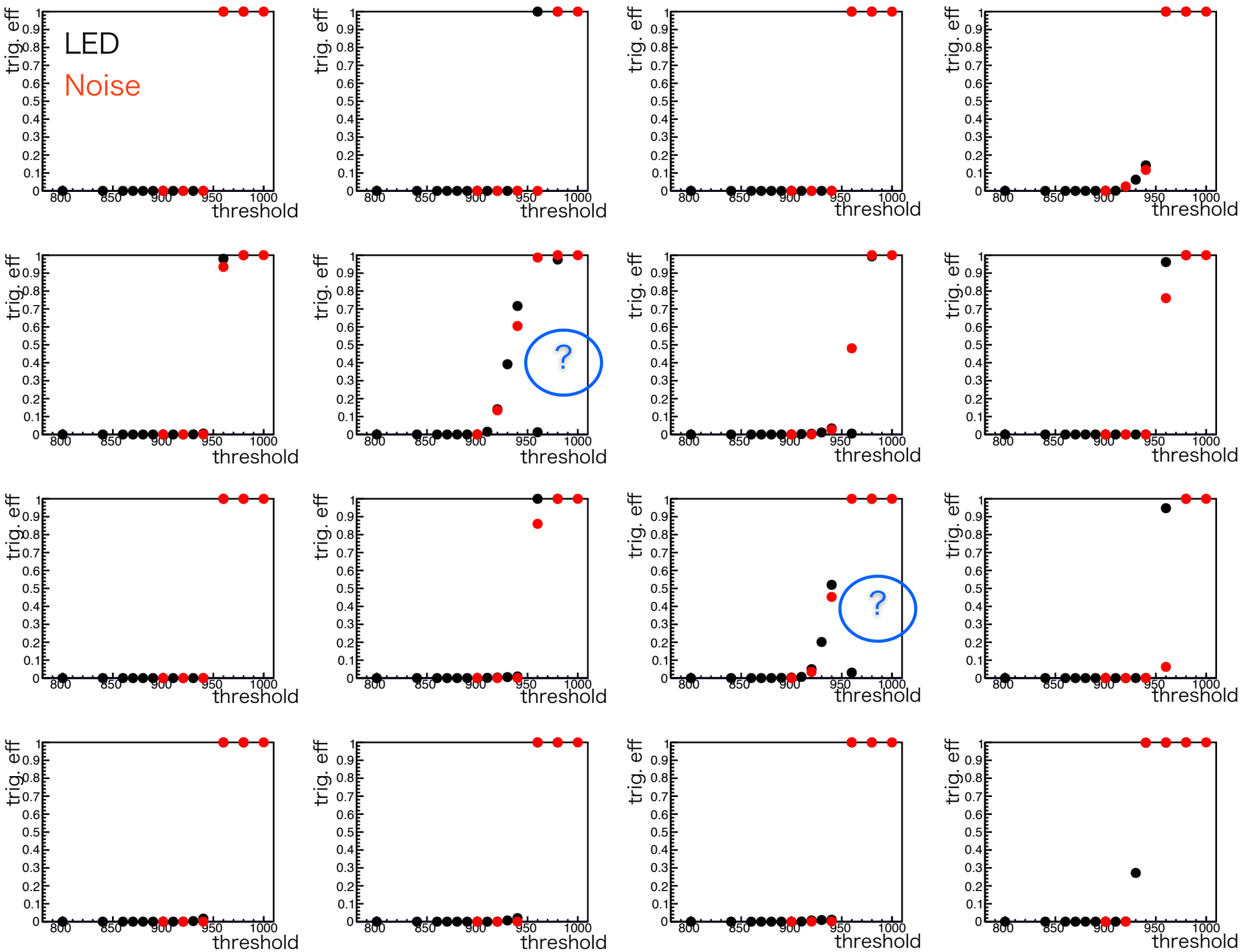
EN0: 11



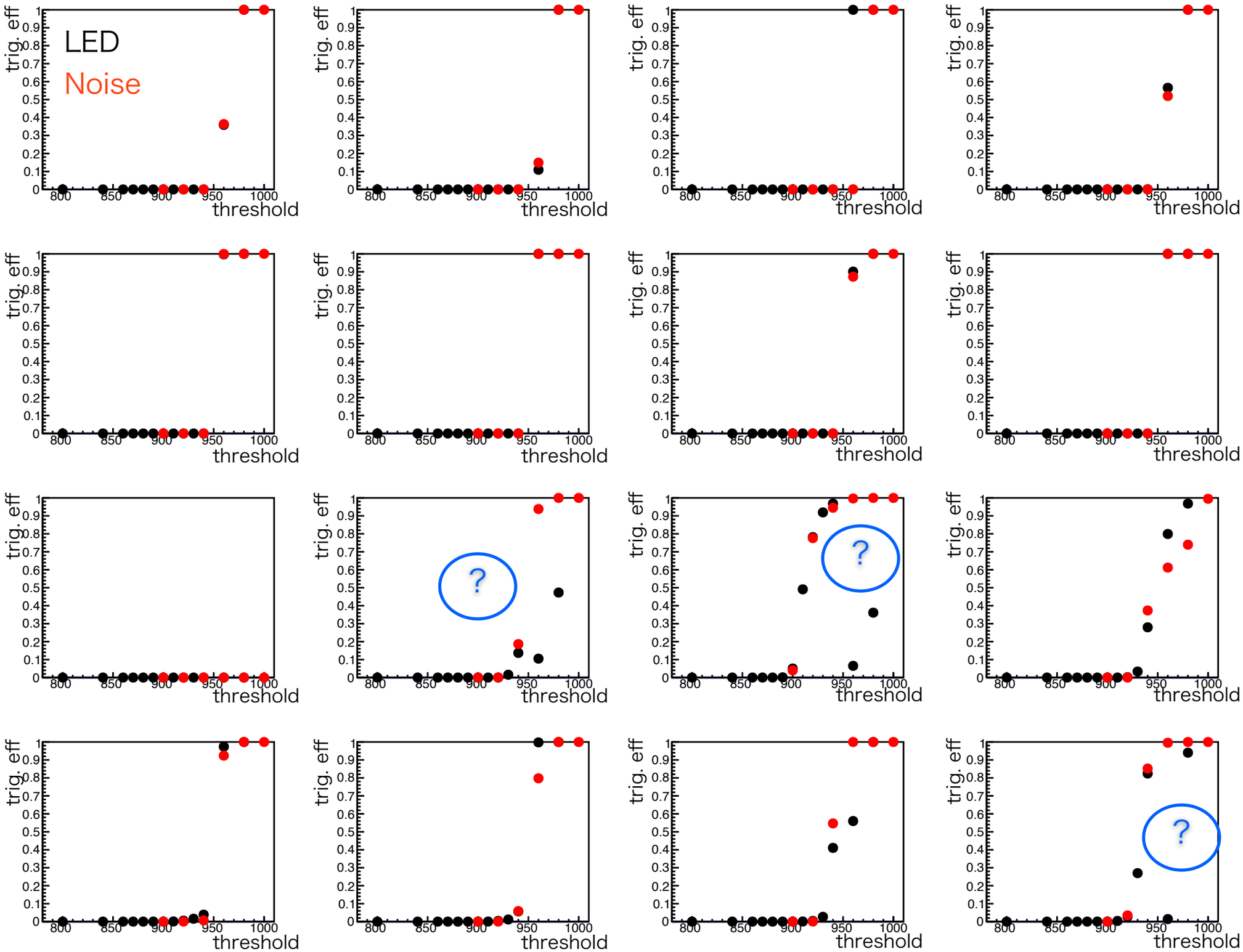
EN1:12



EN2: 10



EN3: 06



Turn on curve

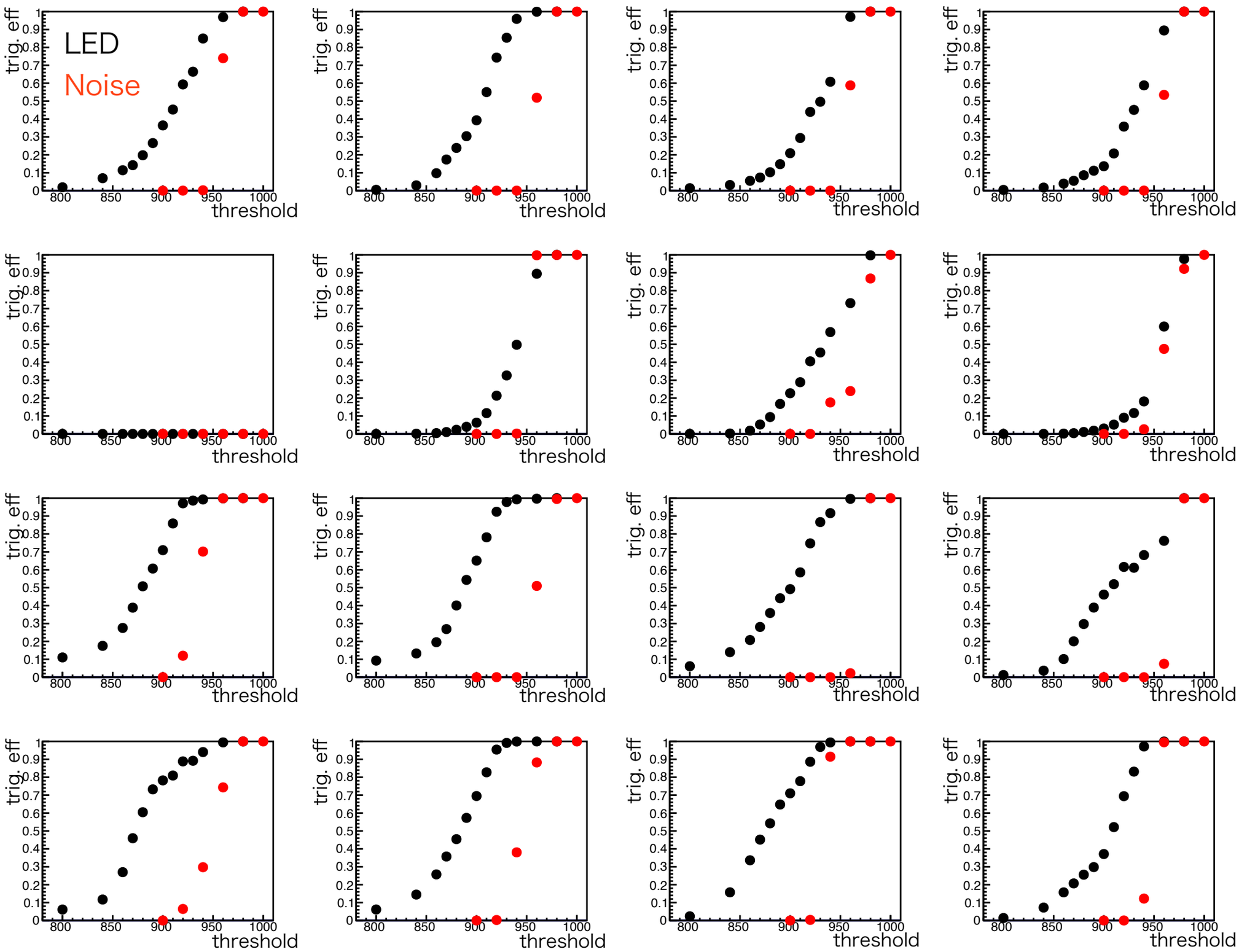
West

Configuration A: LED test lvl1 delay: 2 other delays: default value

Configuration B: LED test lvl1 delay: 1 other delays: default value

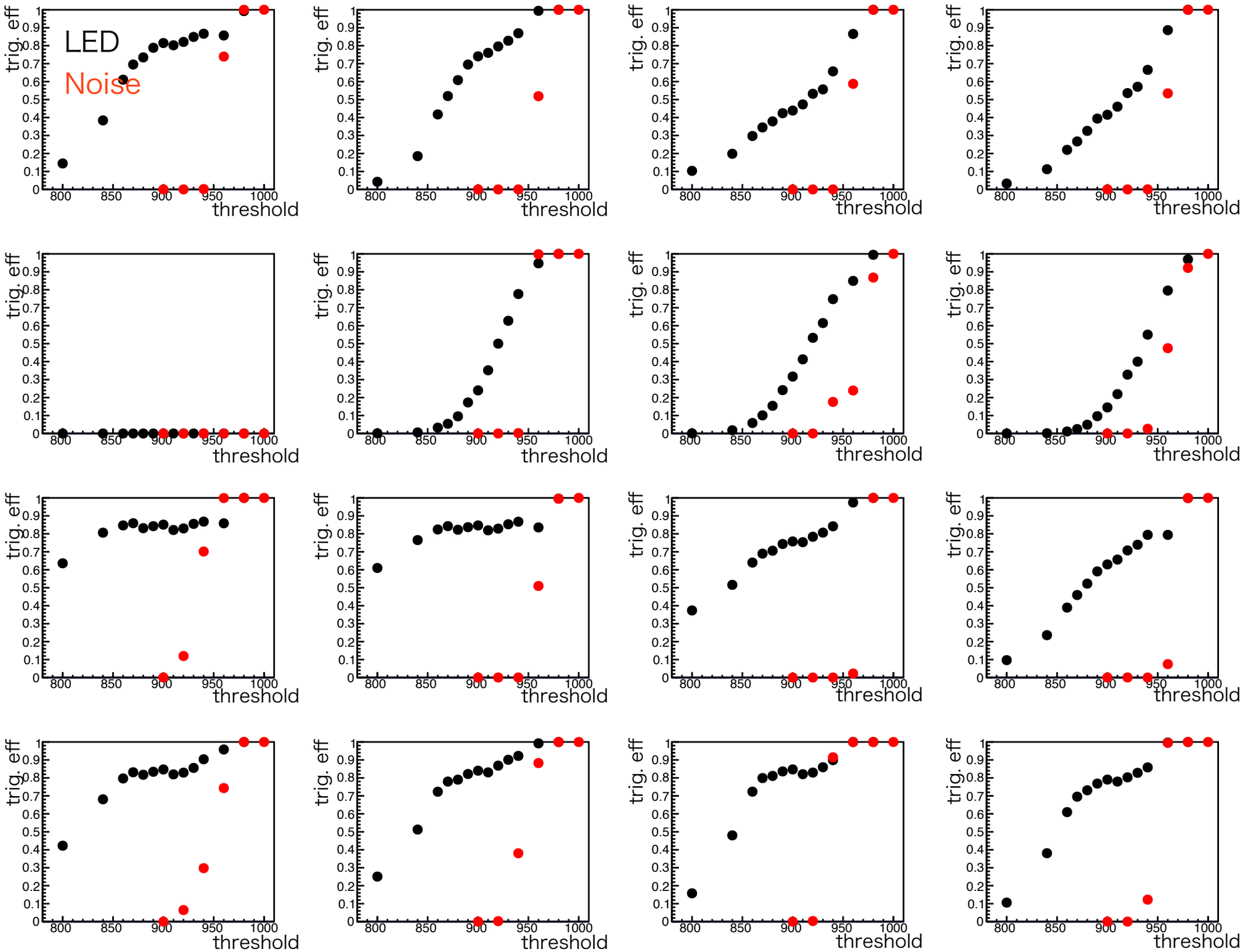
WS0: 0

A



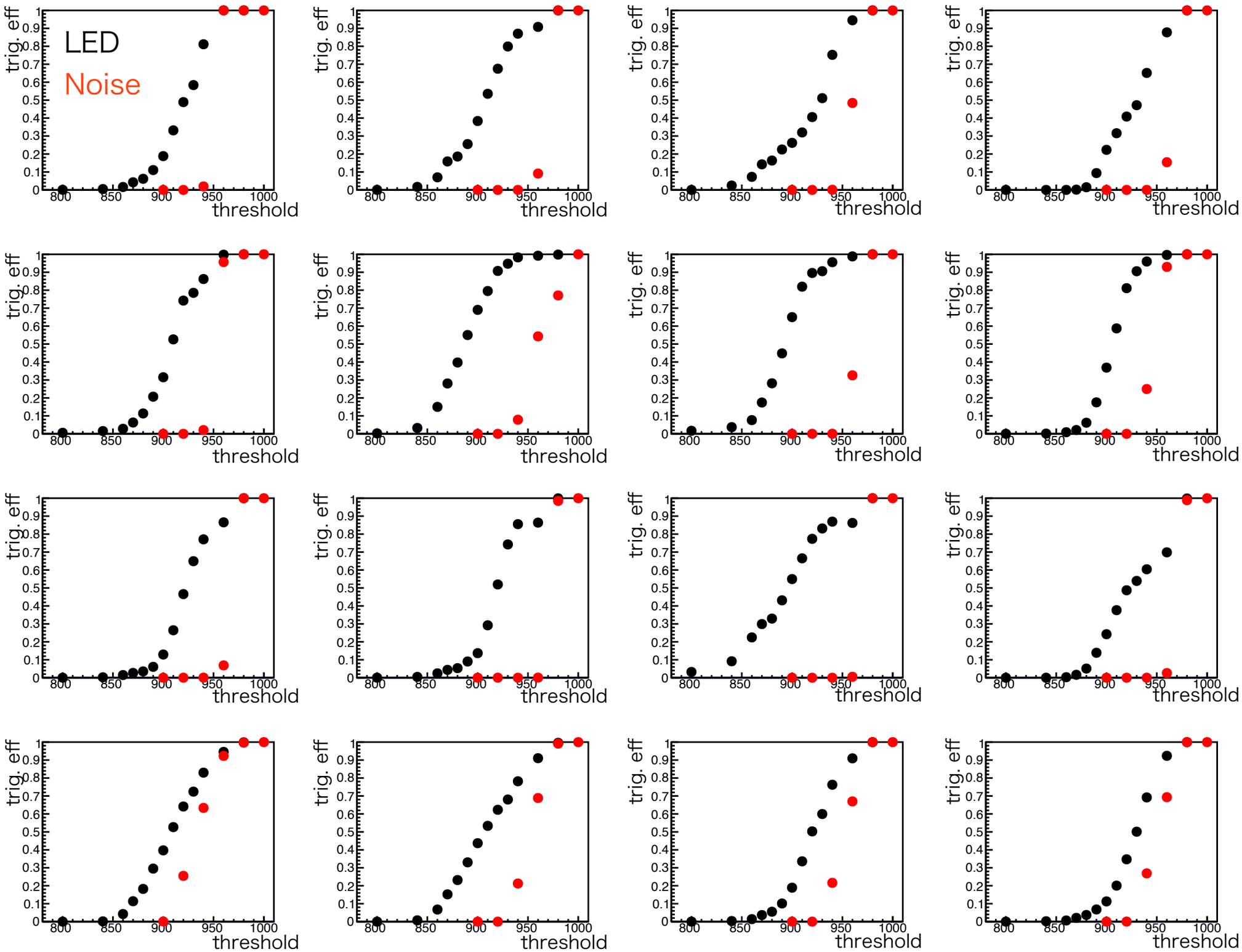
WS0: 0

B



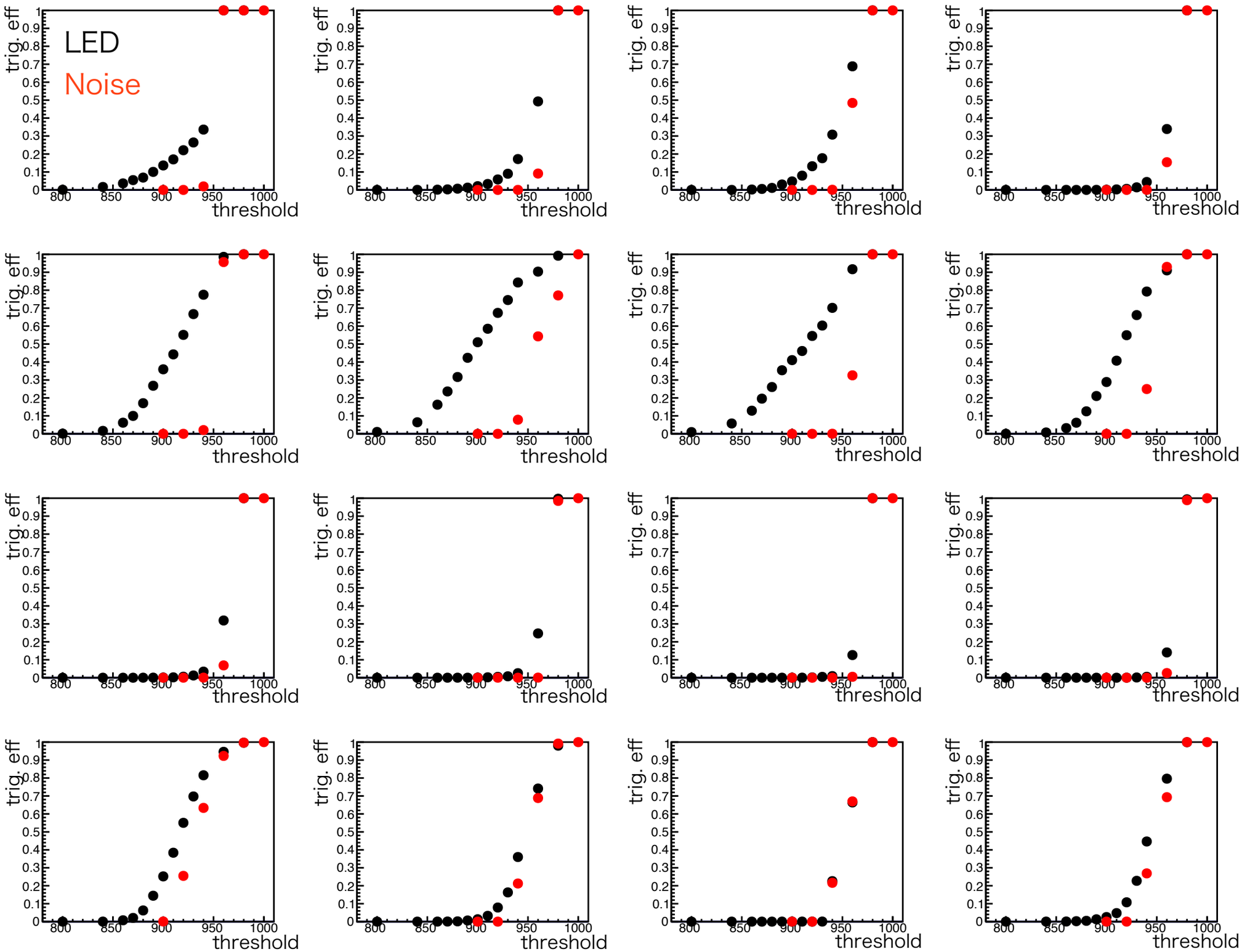
WS1: 15

A



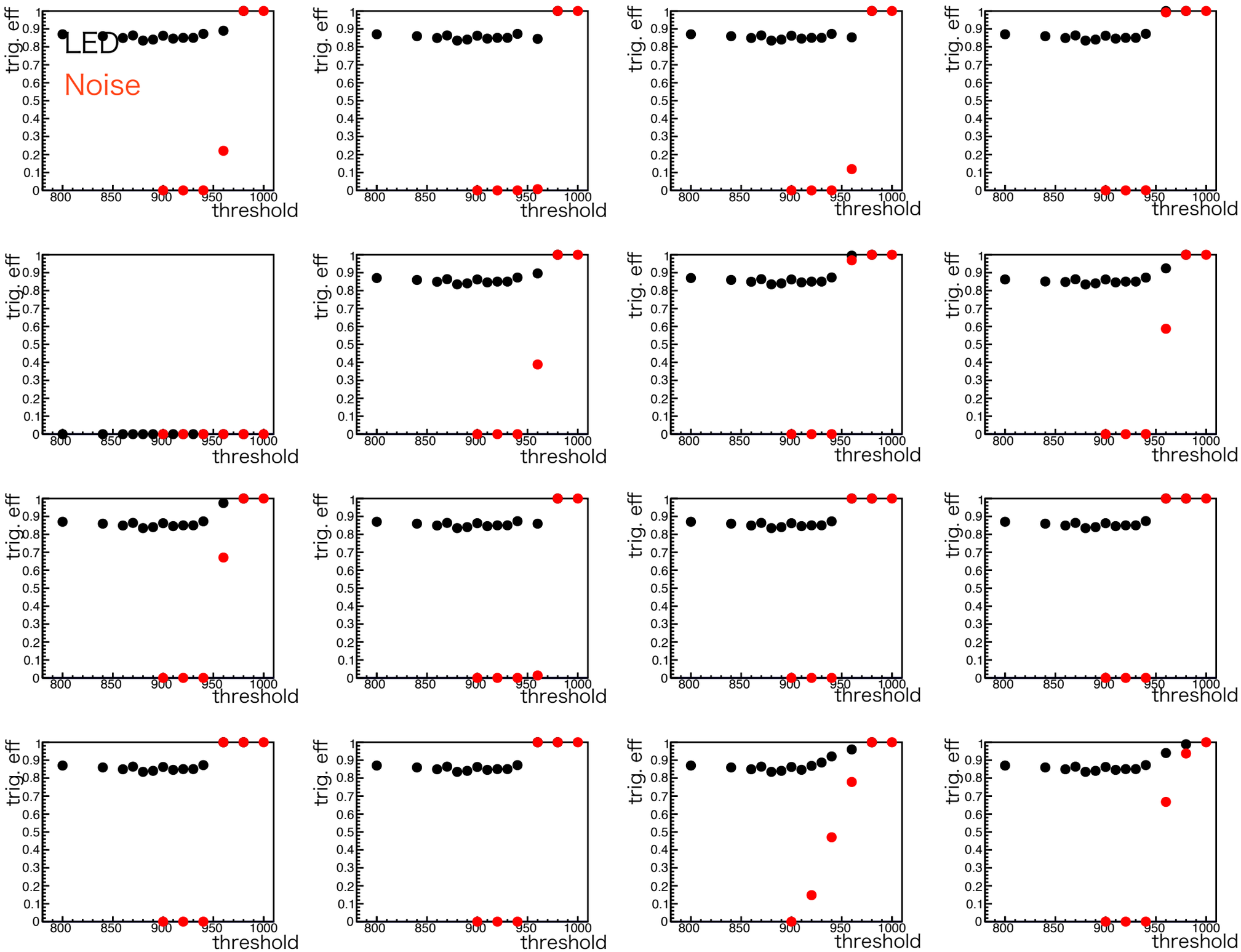
WS1: 15

B



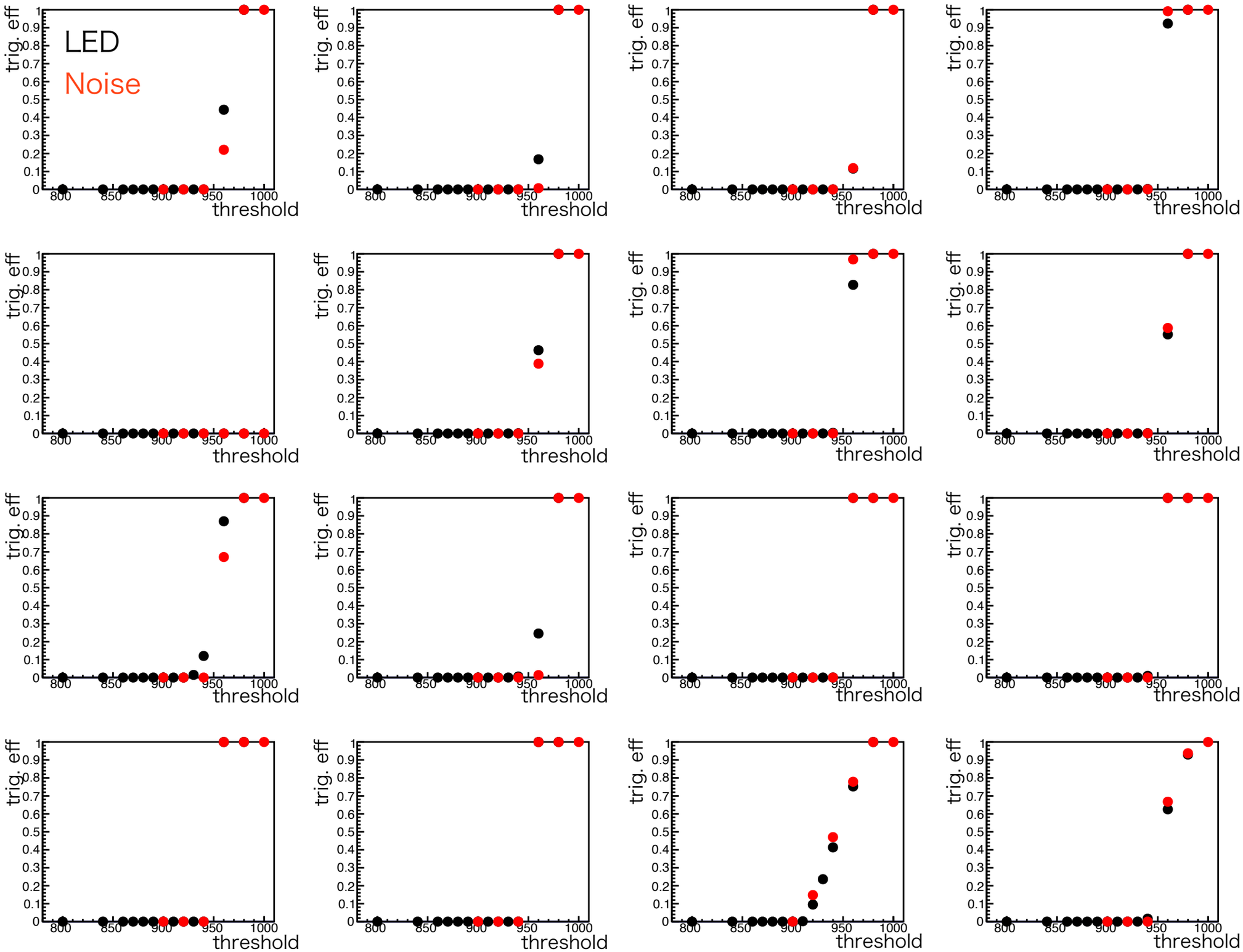
WS2: 17

A



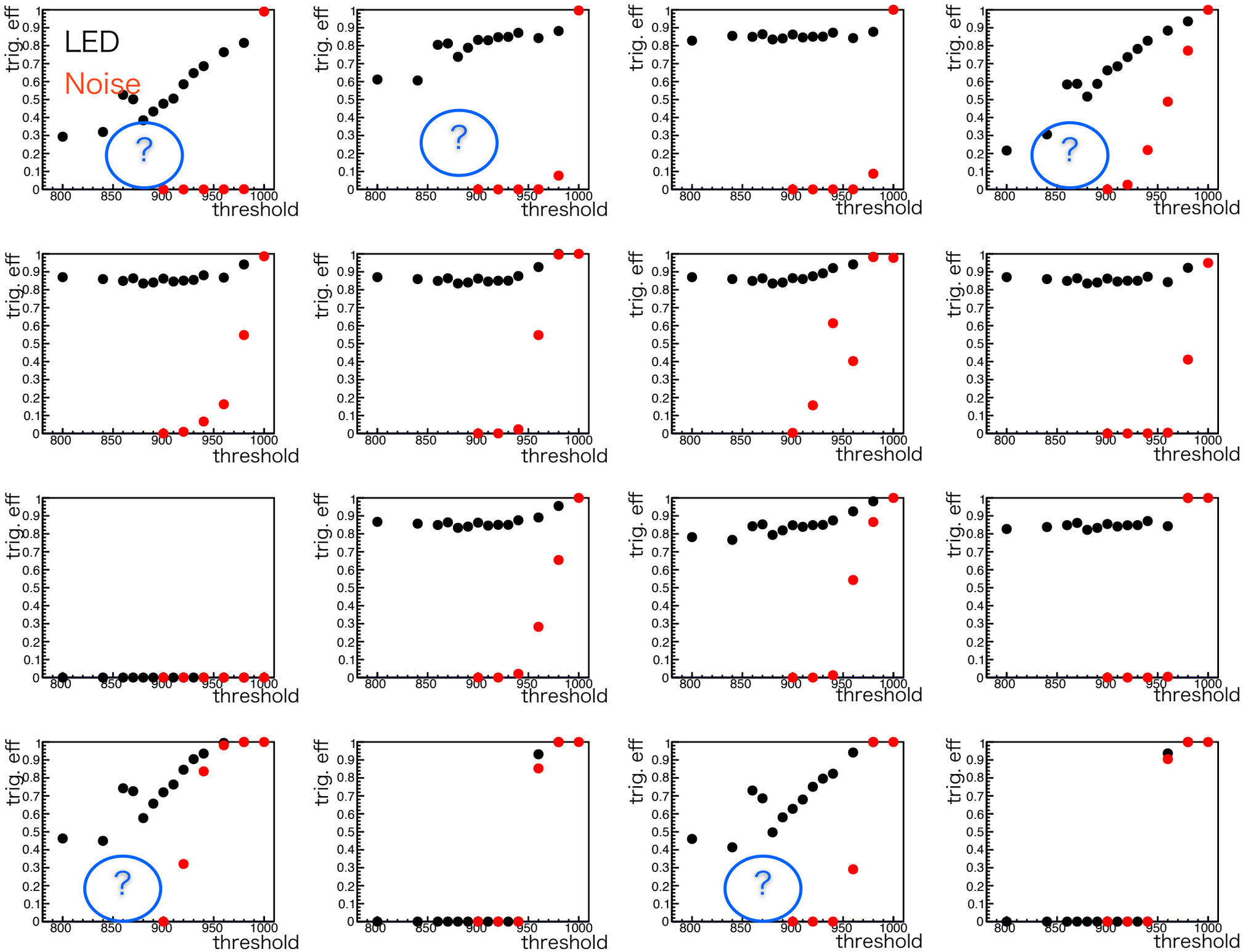
WS2: 17

B



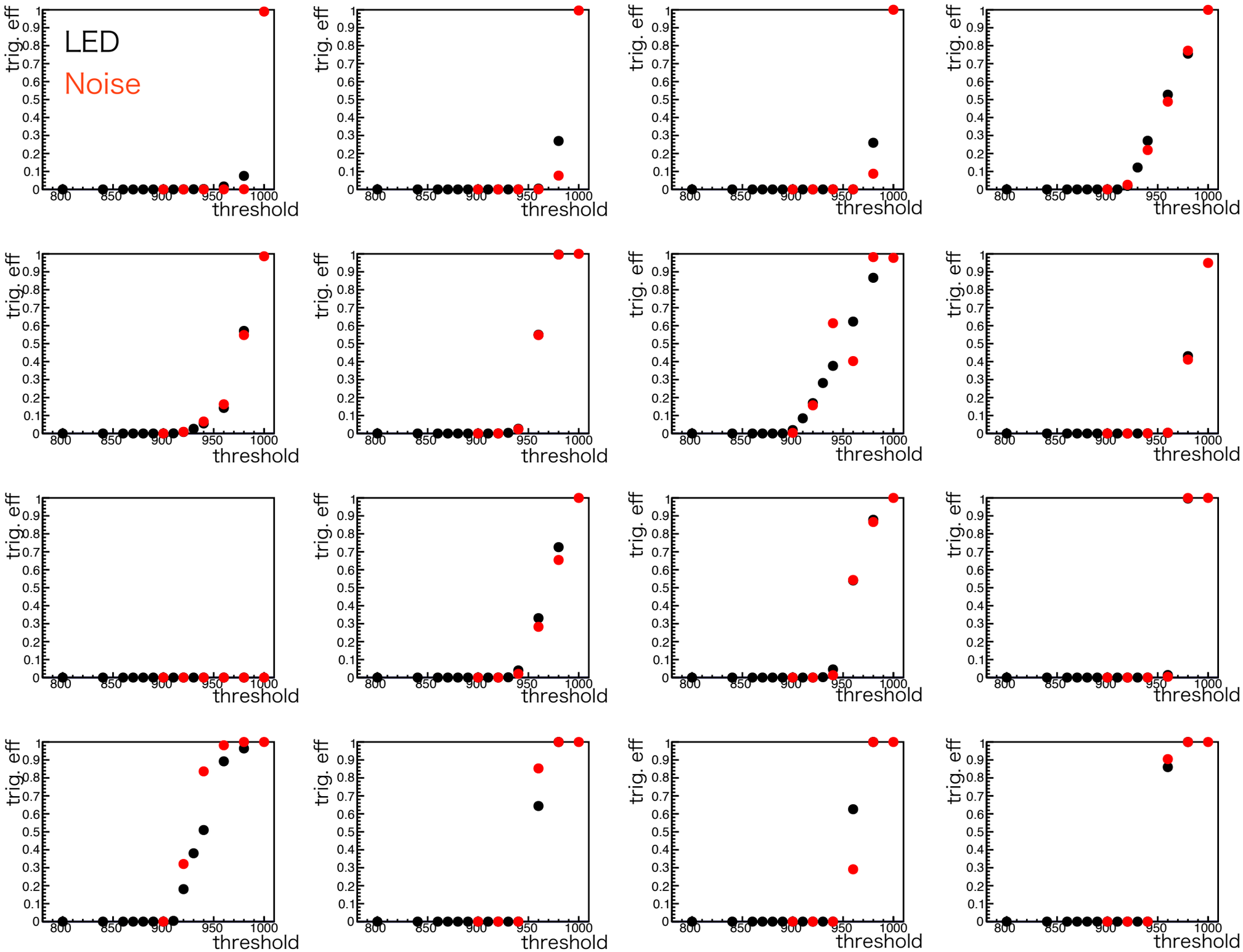
WS3: 20

A



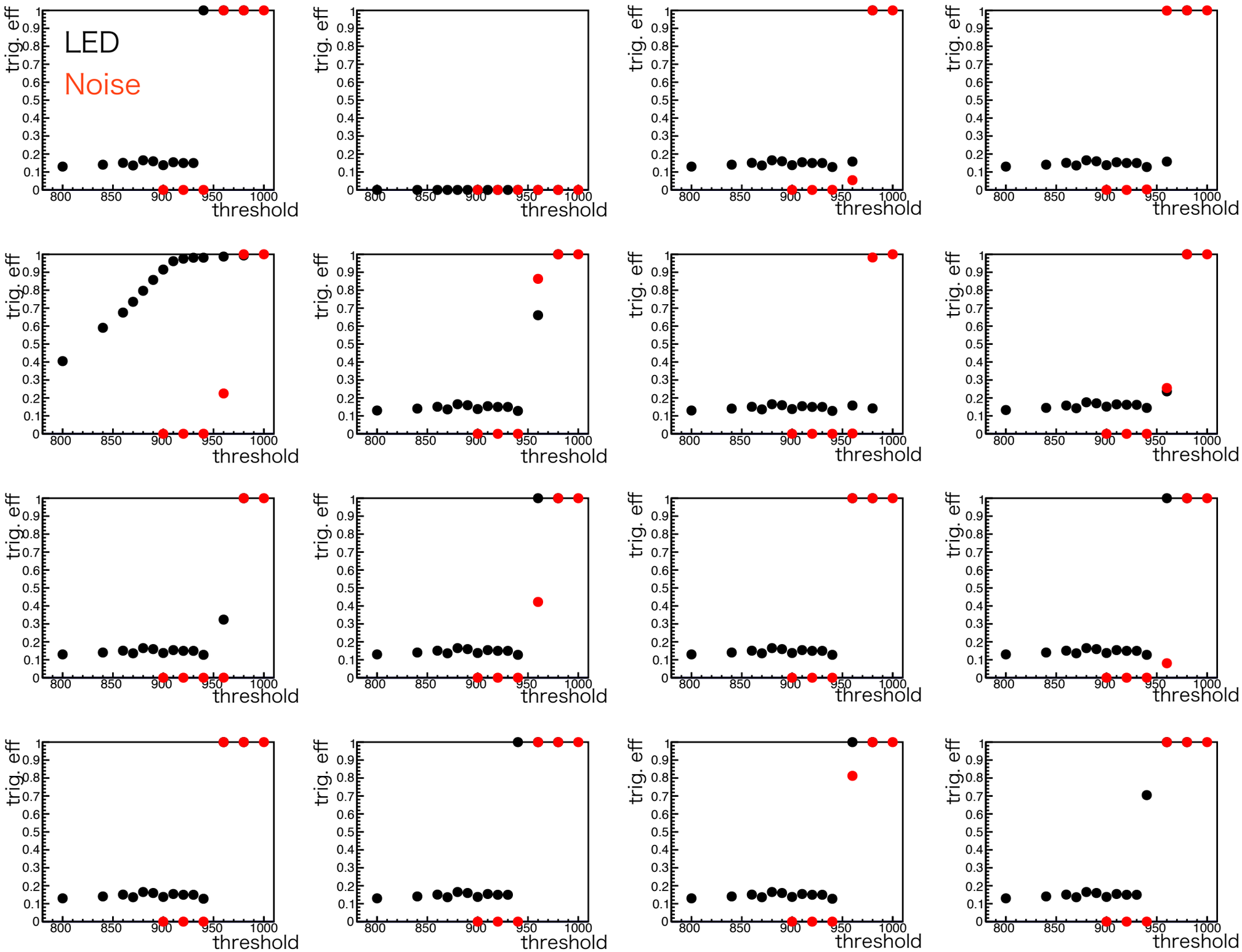
WS3: 20

B



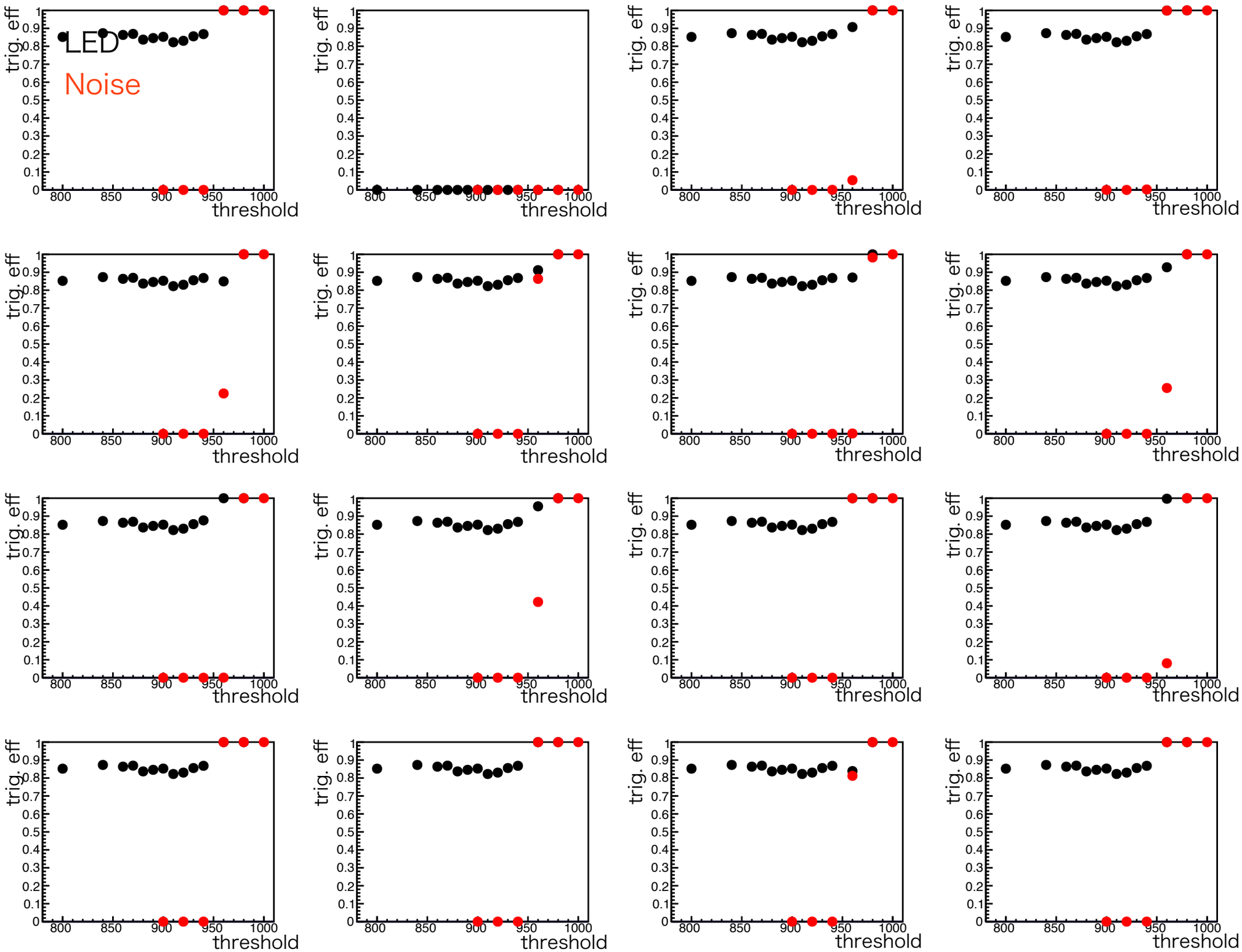
WN0: 01

A



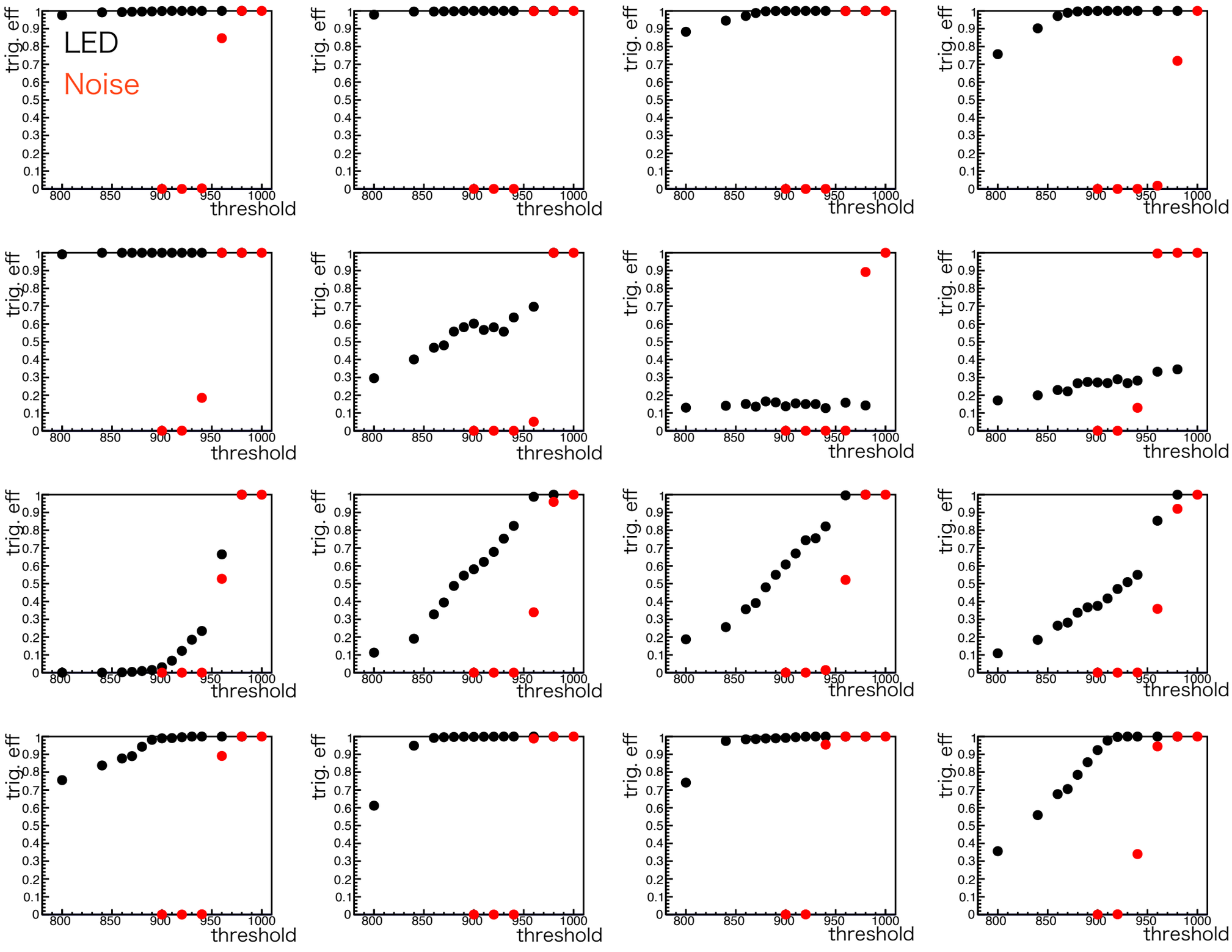
WN0: 01

B



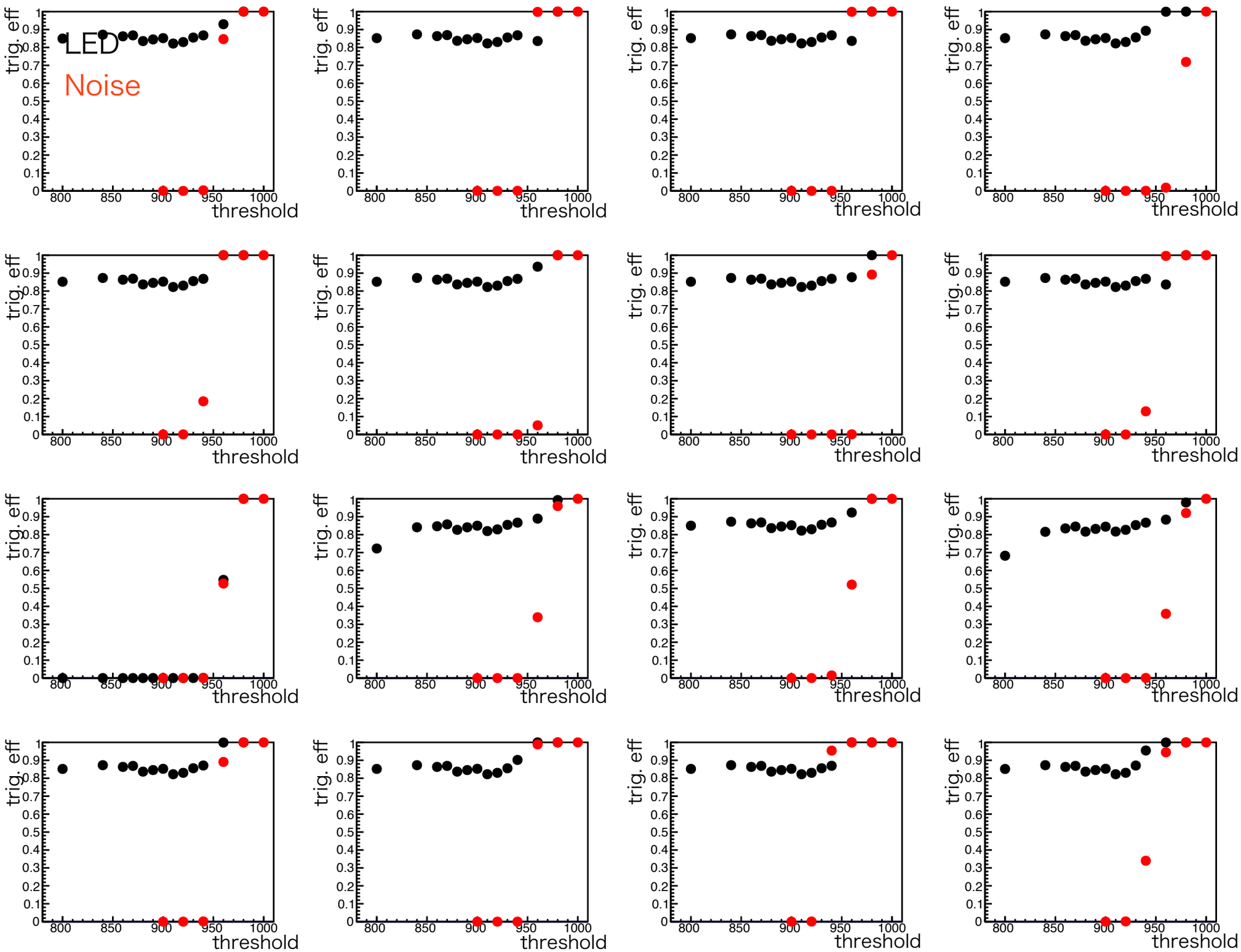
WN1: 13

A



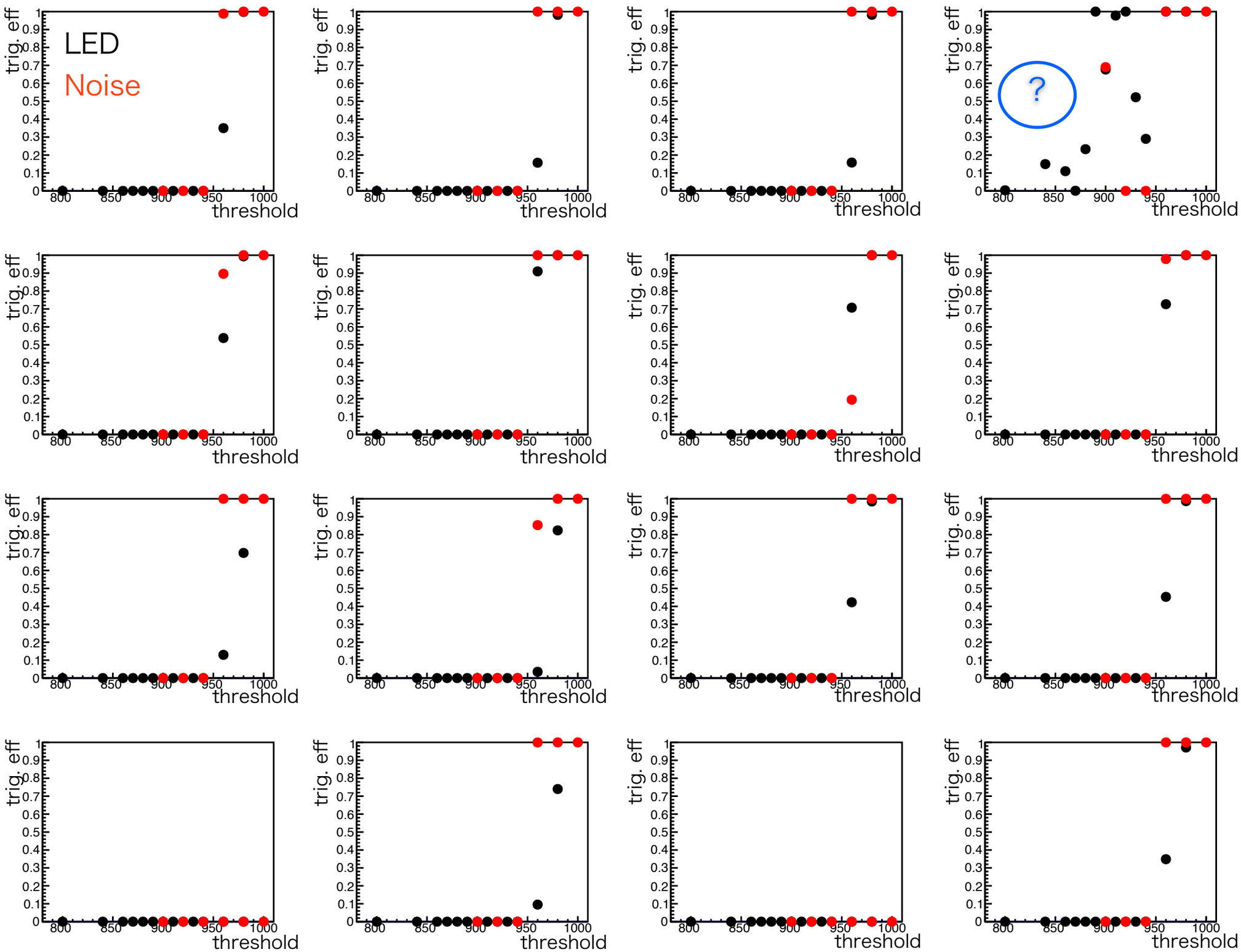
WN1: 13

B



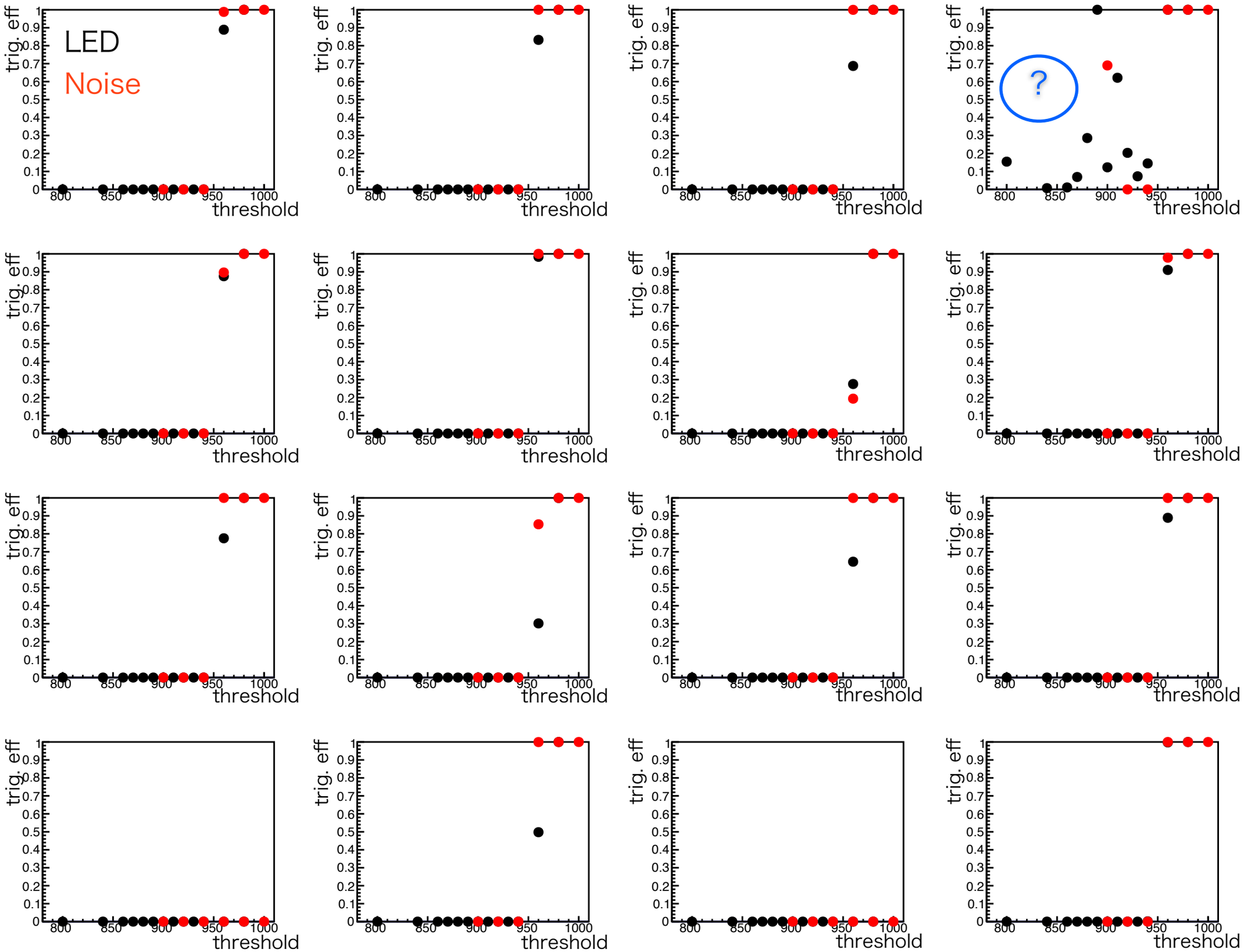
WN2: 32

A



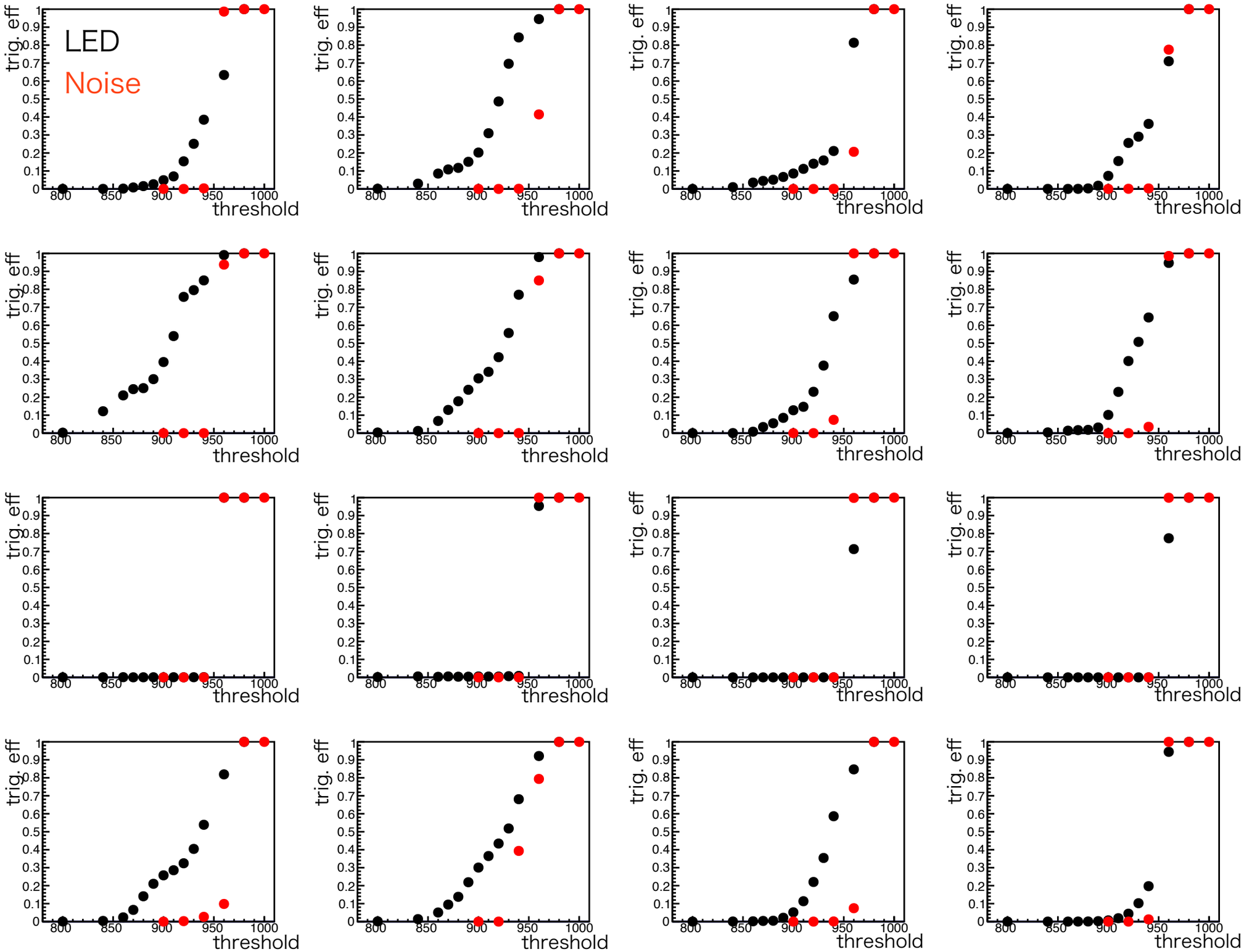
WN2: 32

B



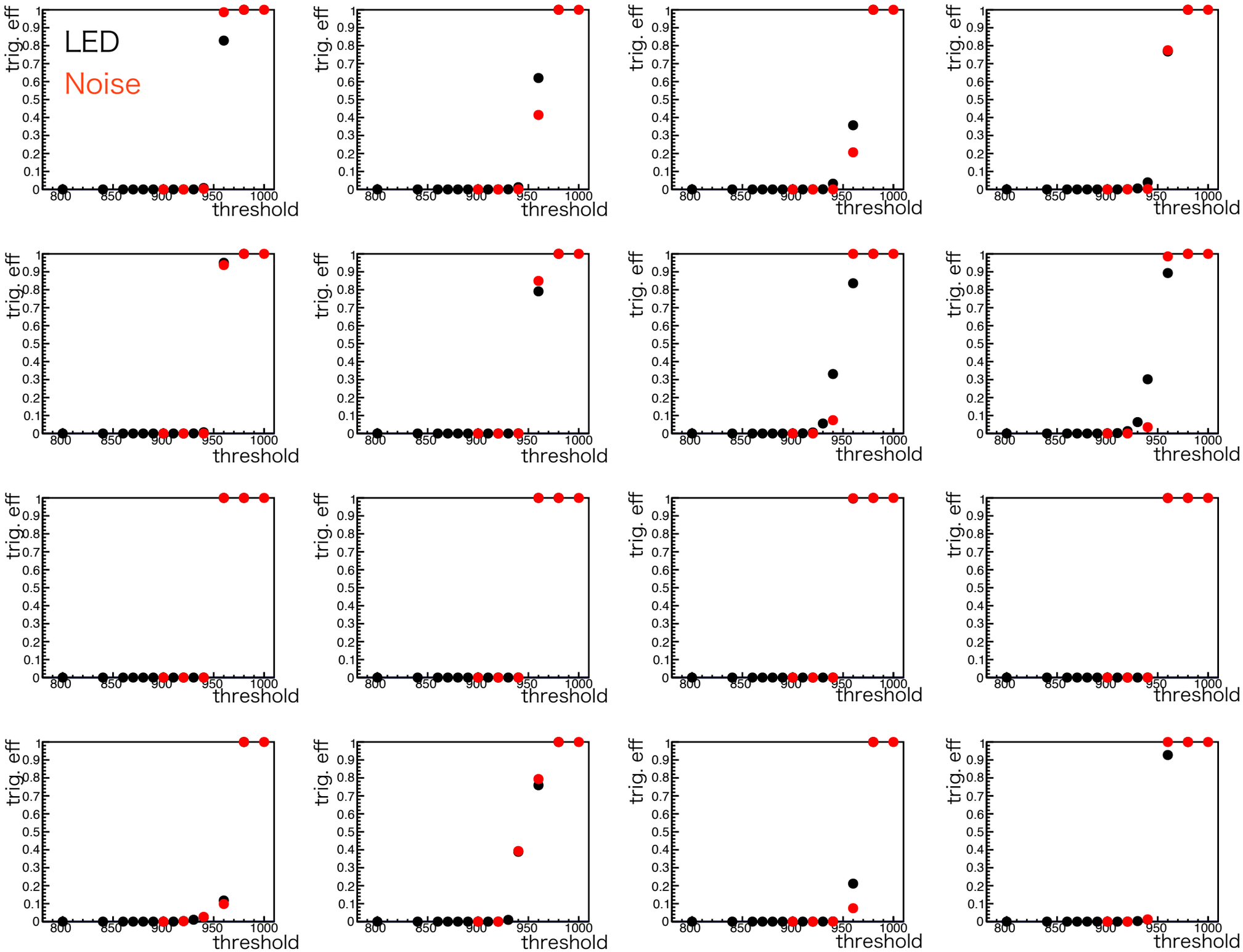
WN3: 08

A



WN3: 08

B

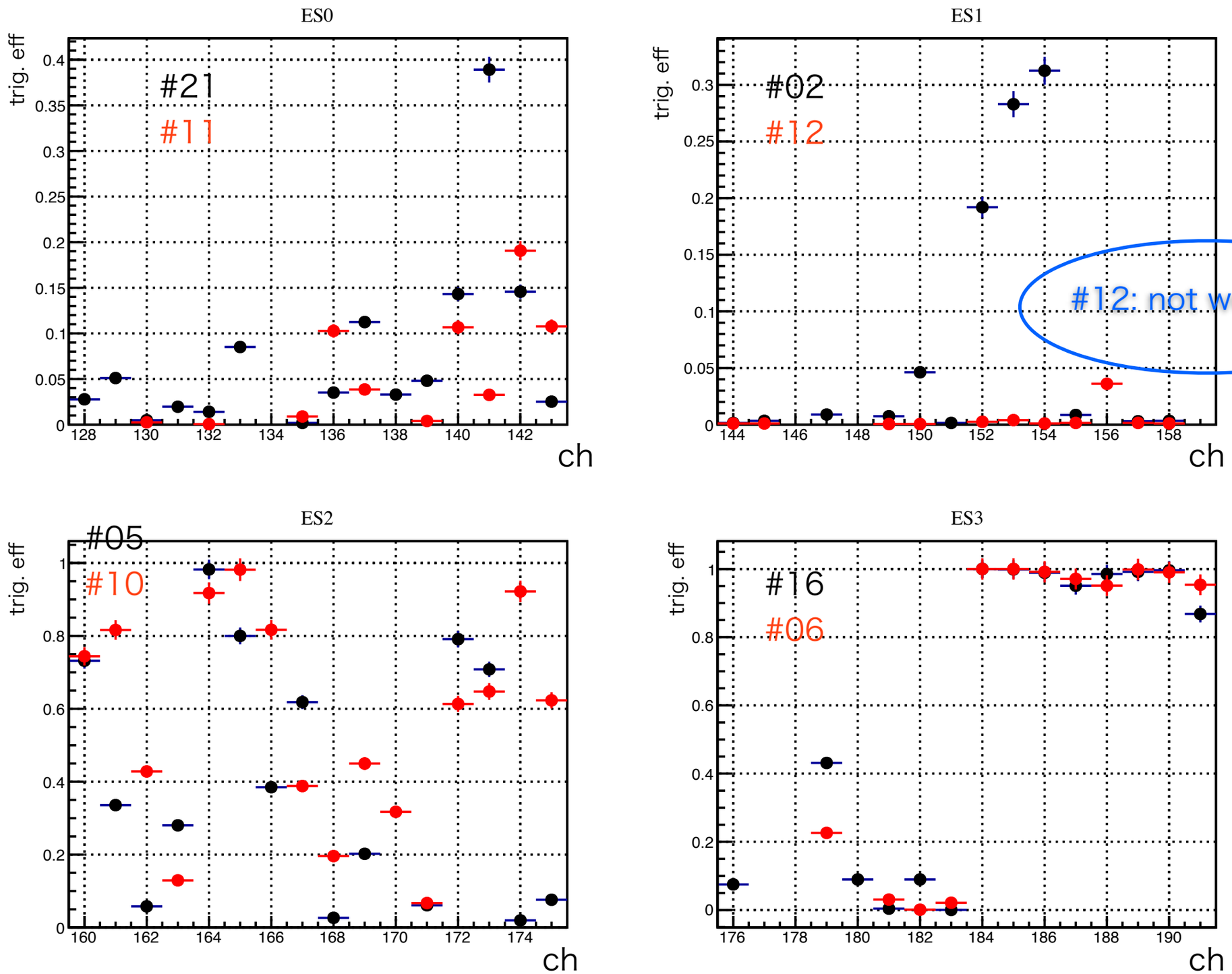


Board swapping

test

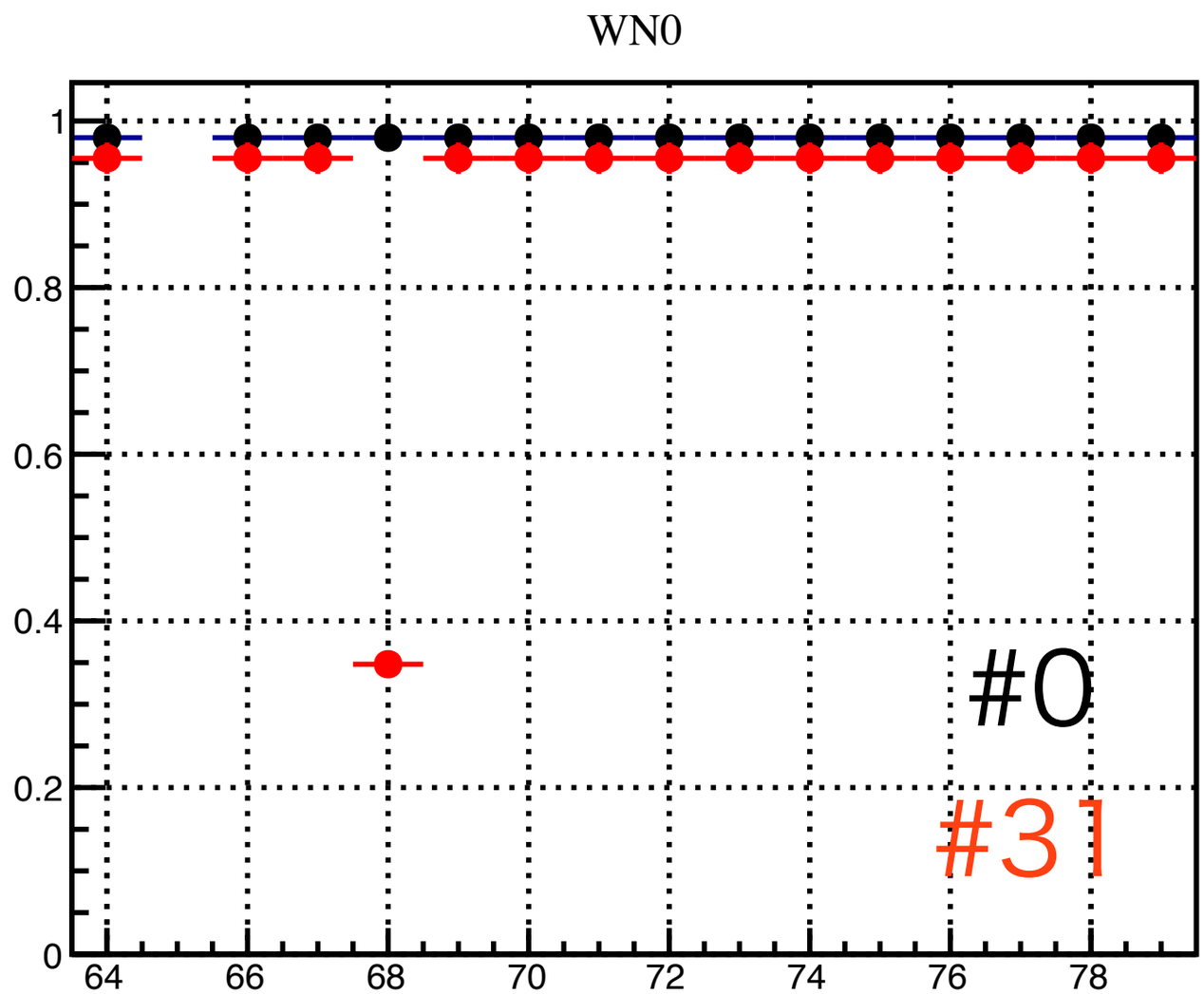
EN<->ES

threshold: 920



WN0<->WN2

threshold: 920



Summary

by eye

	board	stat	Optimum threshold
ES0	21	OK	920
ES1	02	OK	930
ES2	05	OK	920
ES3	16	OK	920
EN0	11	OK	???
EN1	12	dead?	???
EN2	10	OK	???
EN3	06	OK	???

by eye

	board	stat	Optimum threshold
WS0	17	OK	920
WS1	15	OK	920
WS2	00	OK	920
WS3	20	OK	920
WN0	0	OK	920
WN1	13	OK	920
WN2	31	OK	???
WN3	08	OK	920