

G_1 of trigger stage

1.35
1.30
1.25
1.20
1.15
1.10
1.05
1.00

● Reference PMT
● MCP PMT

1.00

1.05

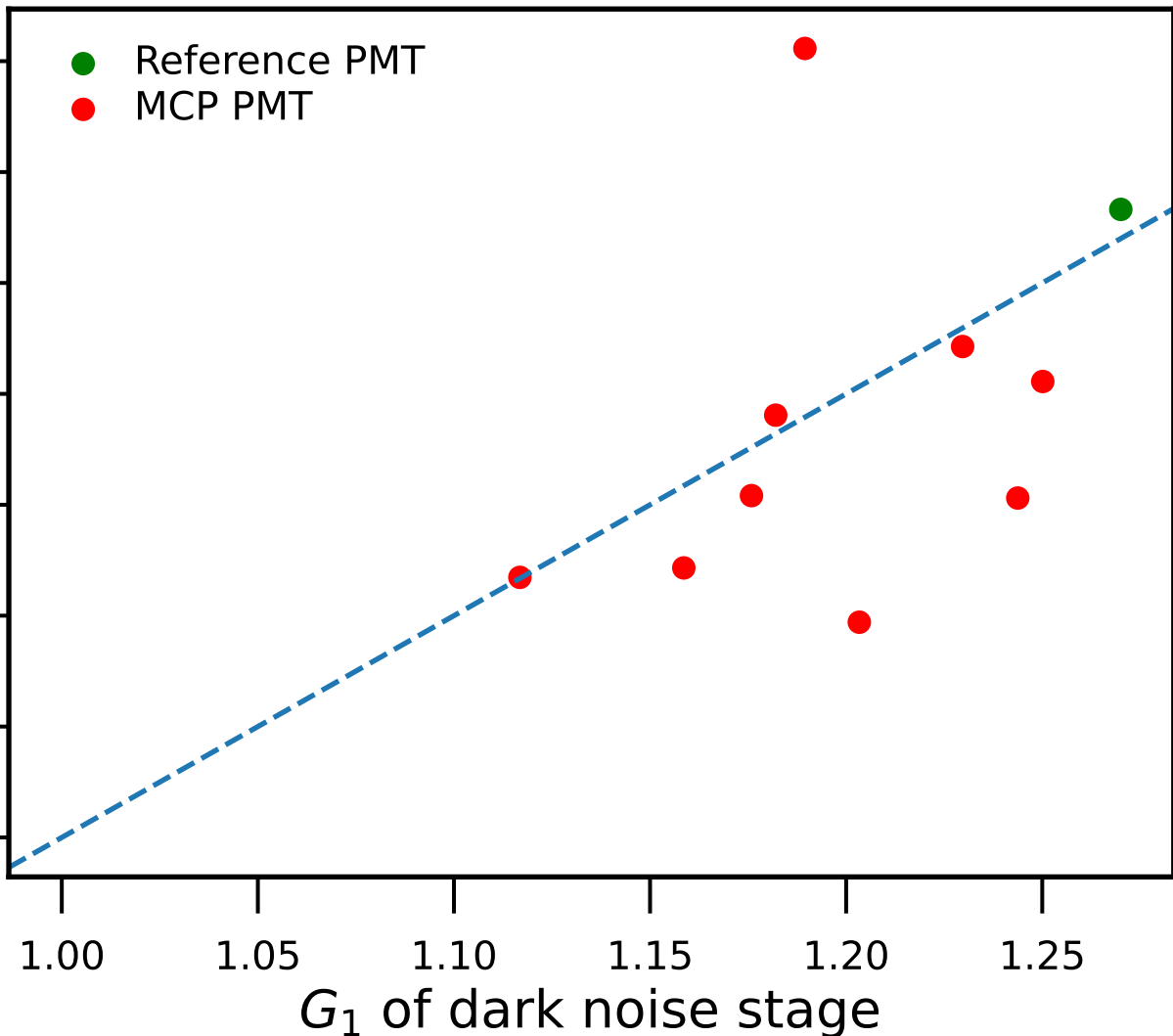
1.10

1.15

1.20

1.25

G_1 of dark noise stage



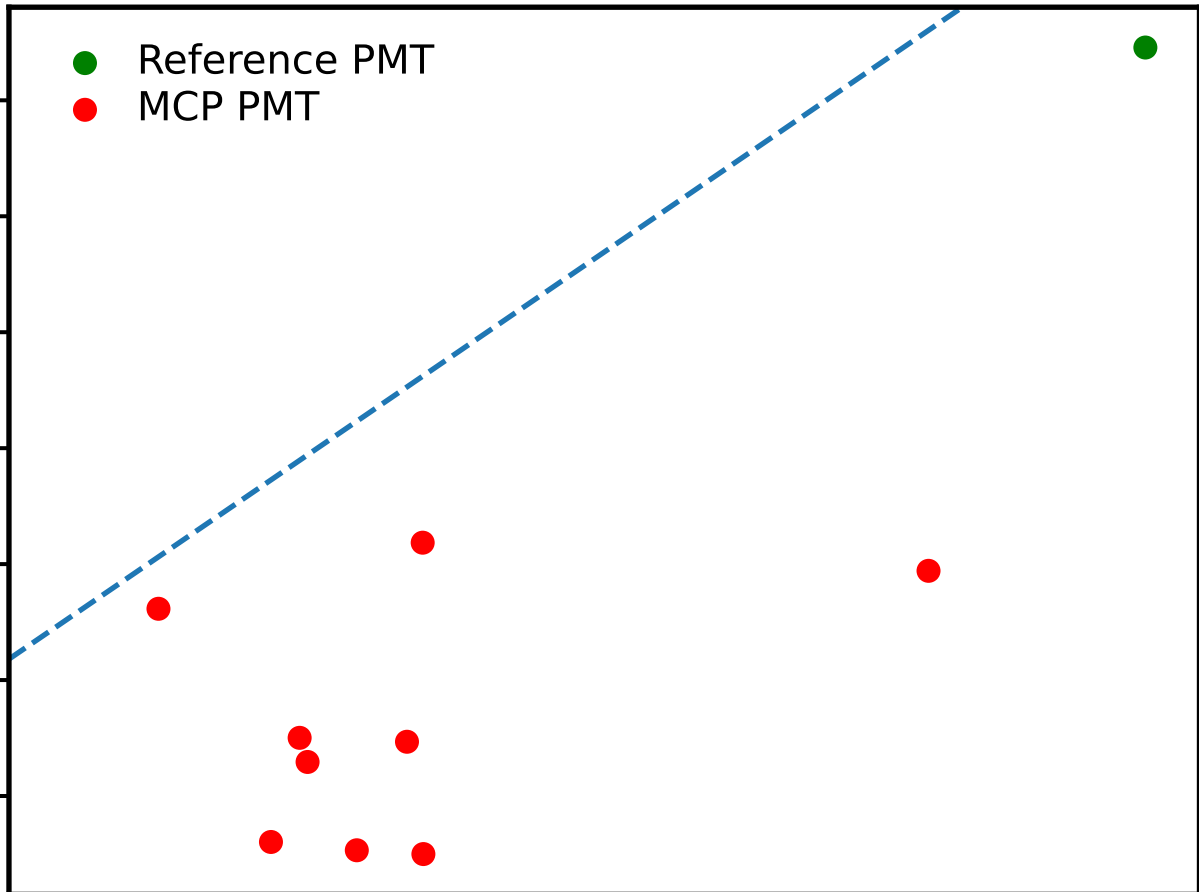
Res₁ of trigger stage

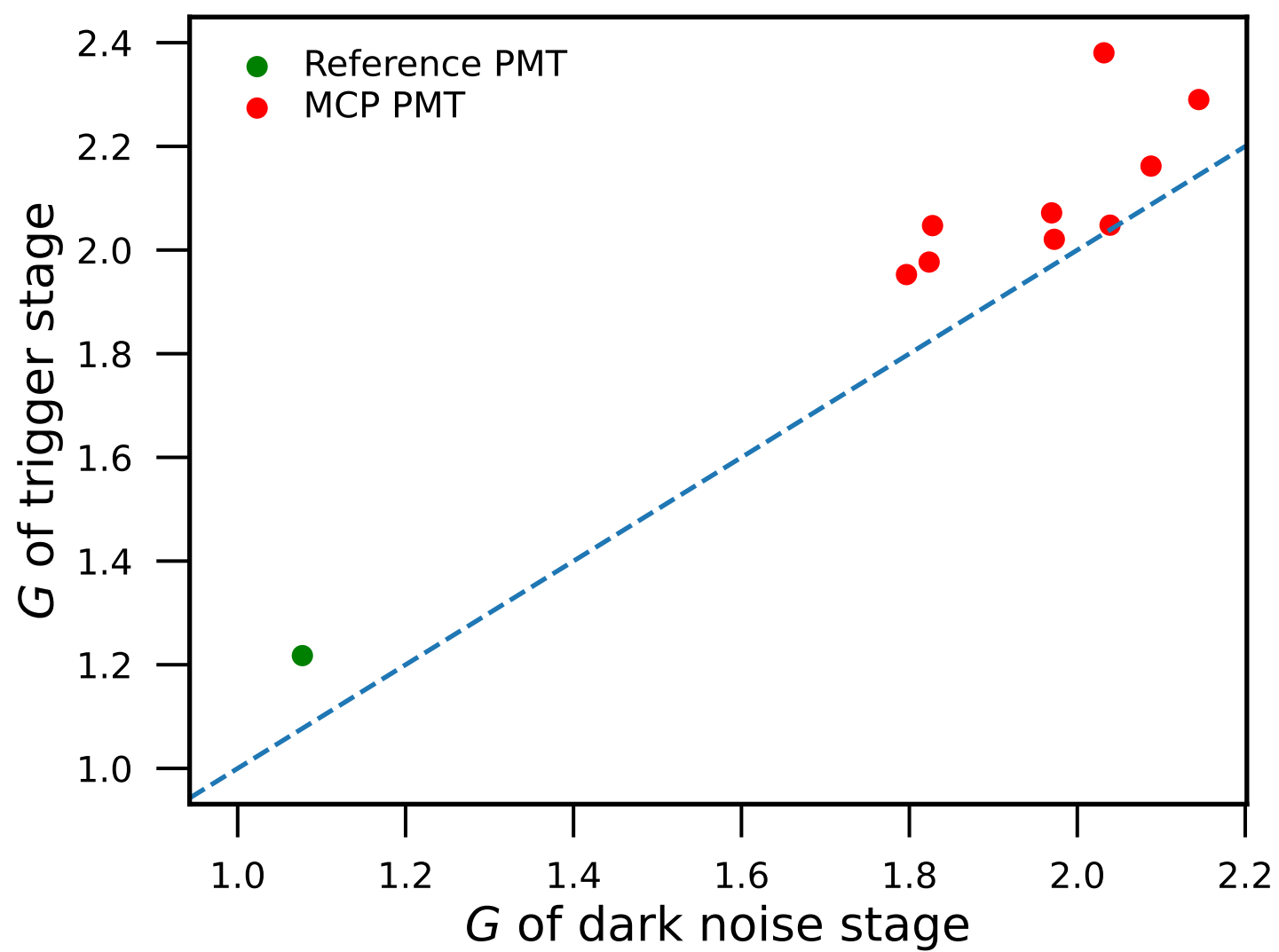
0.36
0.34
0.32
0.30
0.28
0.26
0.24

● Reference PMT
● MCP PMT

0.28 0.30 0.32 0.34 0.36 0.38 0.40

Res₁ of dark noise stage





Res of trigger stage

- Reference PMT
- MCP PMT

0.7
0.6
0.5
0.4
0.3

0.3

0.4

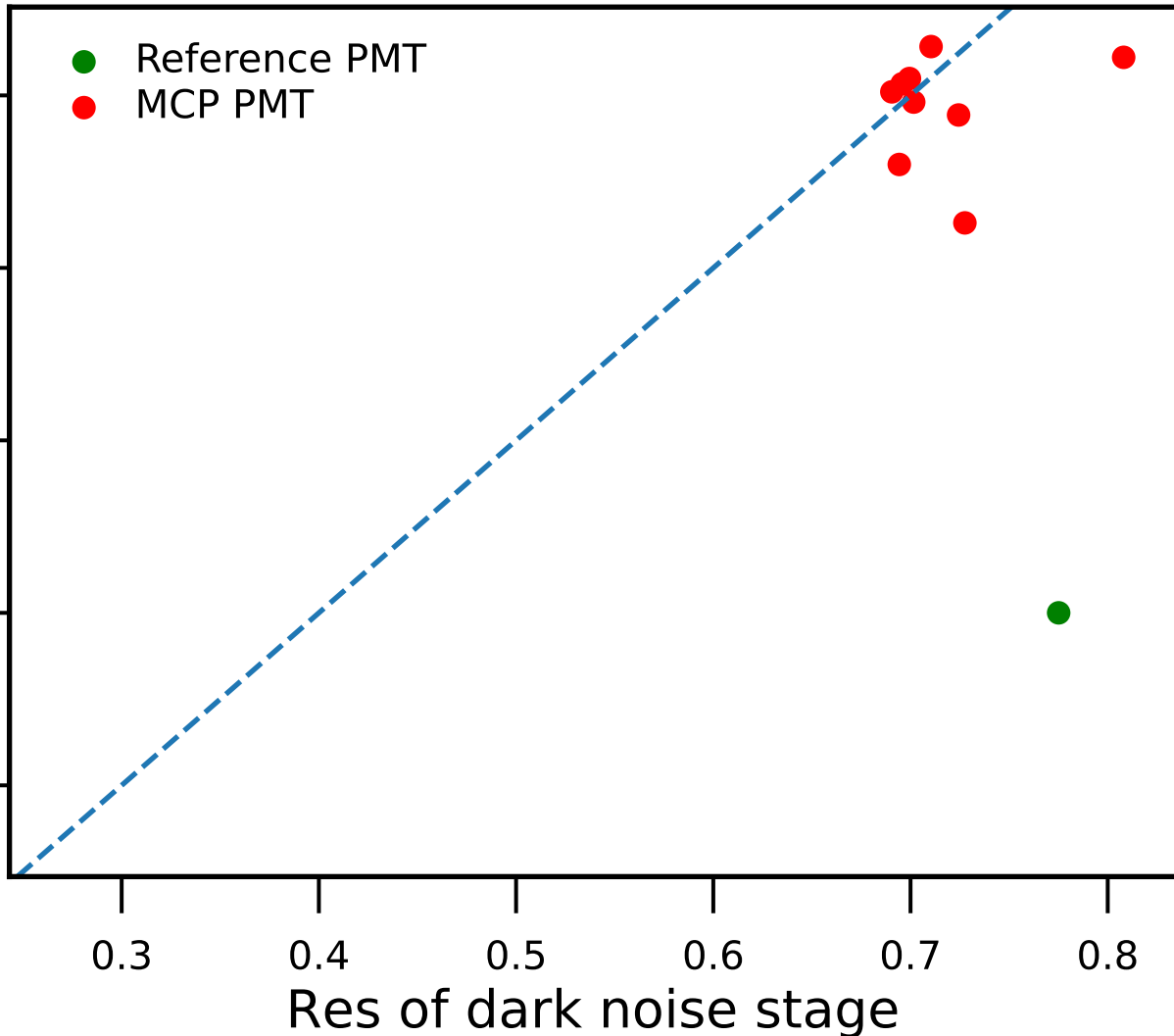
0.5

0.6

0.7

0.8

Res of dark noise stage



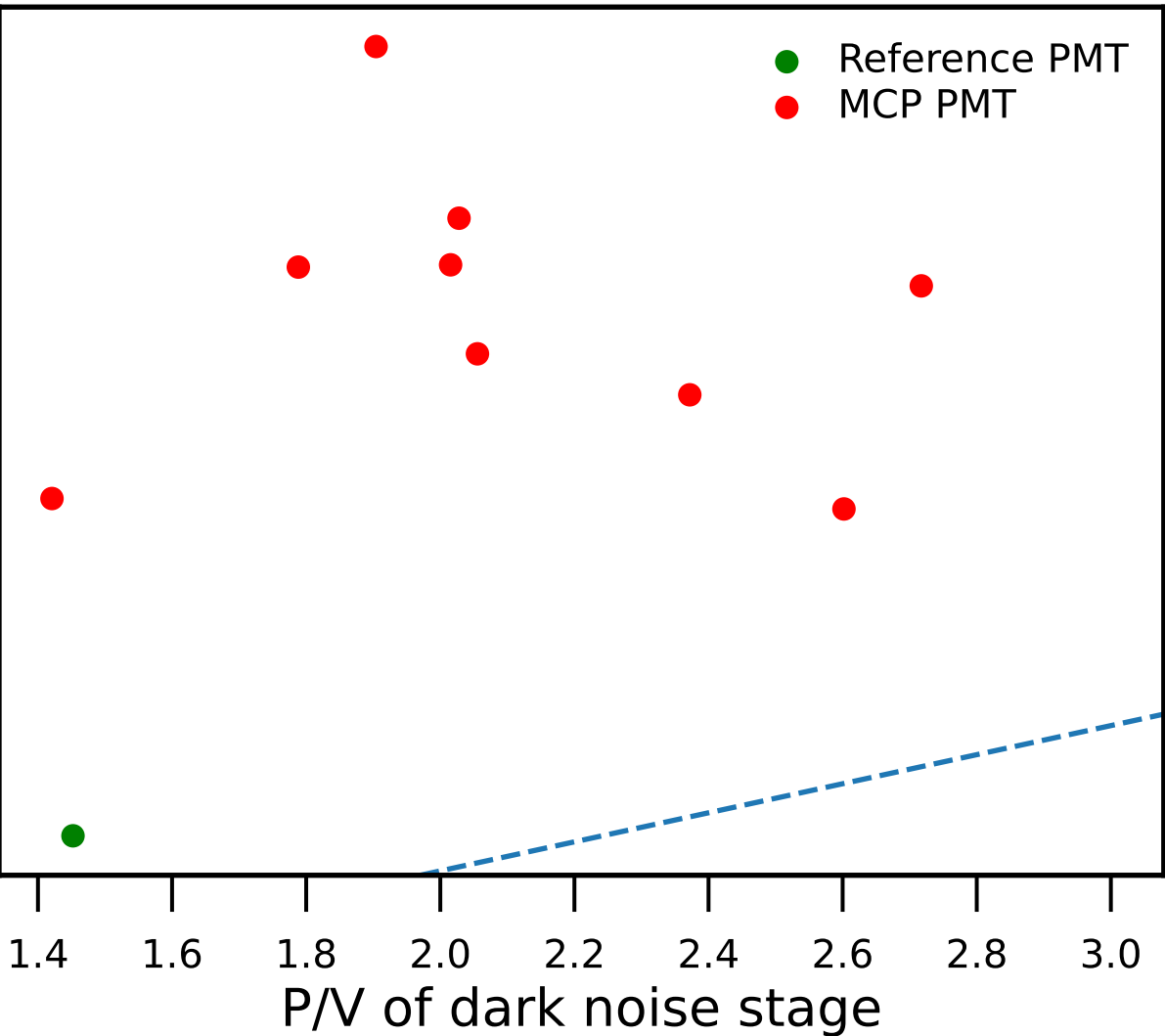
P/V of trigger stage

7
6
5
4
3
2

1.4 1.6 1.8 2.0 2.2 2.4 2.6 2.8 3.0

P/V of dark noise stage

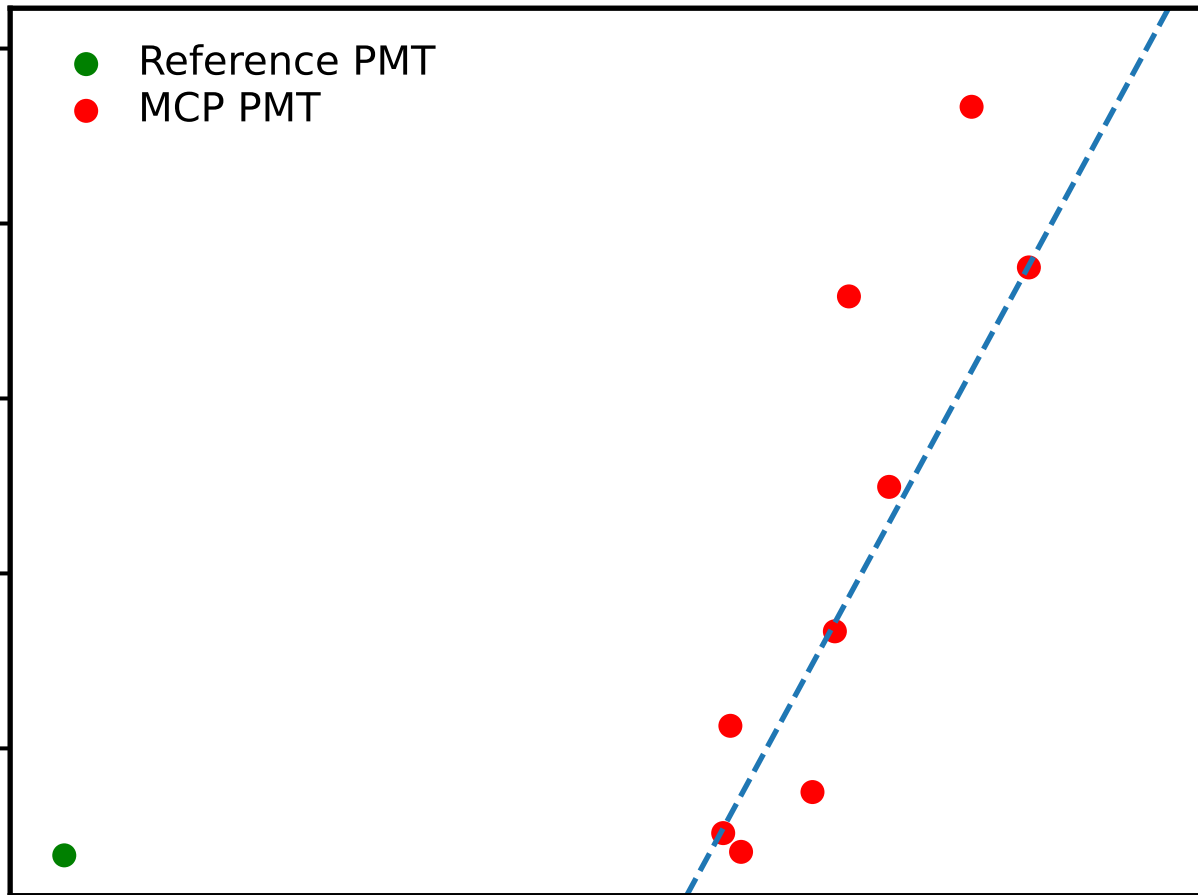
● Reference PMT
● MCP PMT



Rise time of trigger stage

- Reference PMT
- MCP PMT

Rise time of dark noise stage



Fall of trigger stage

- Reference PMT
- MCP PMT

18
16
14
12
10

8

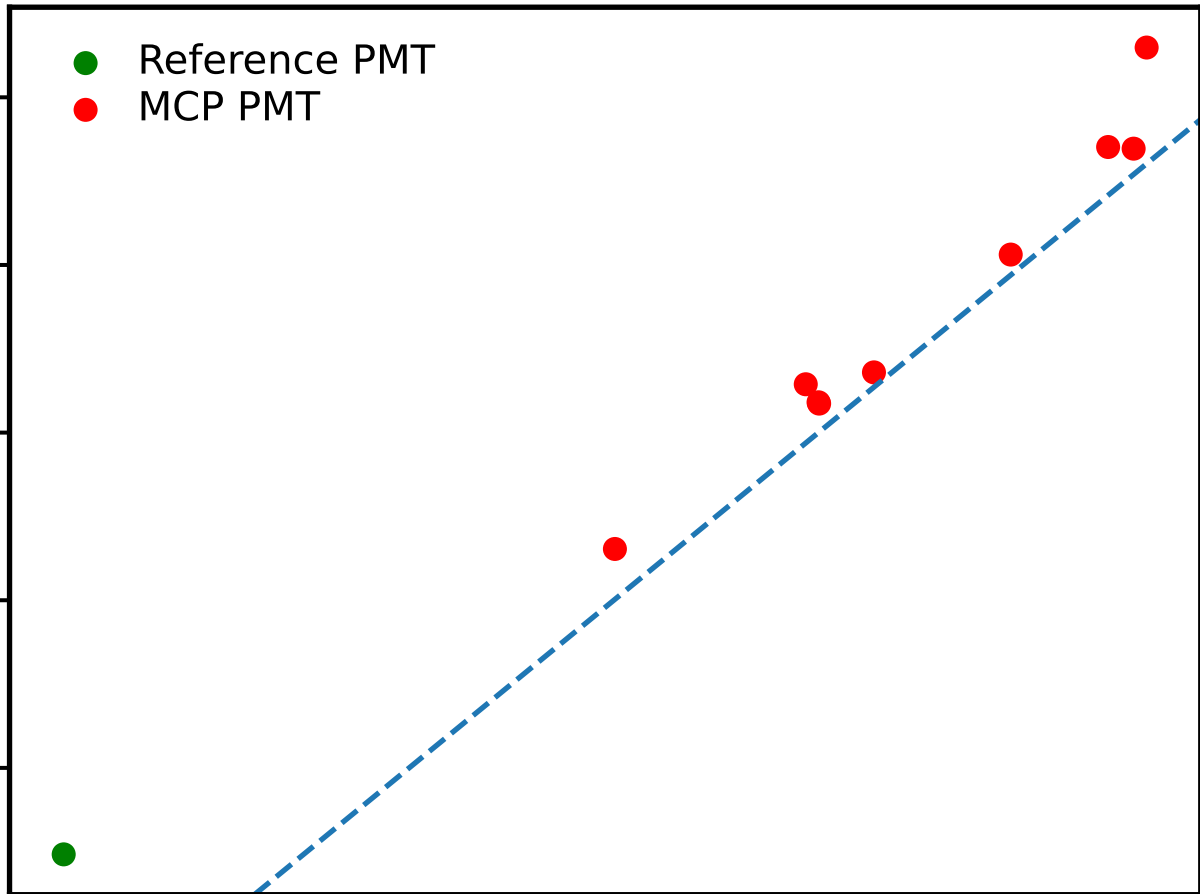
10

12

14

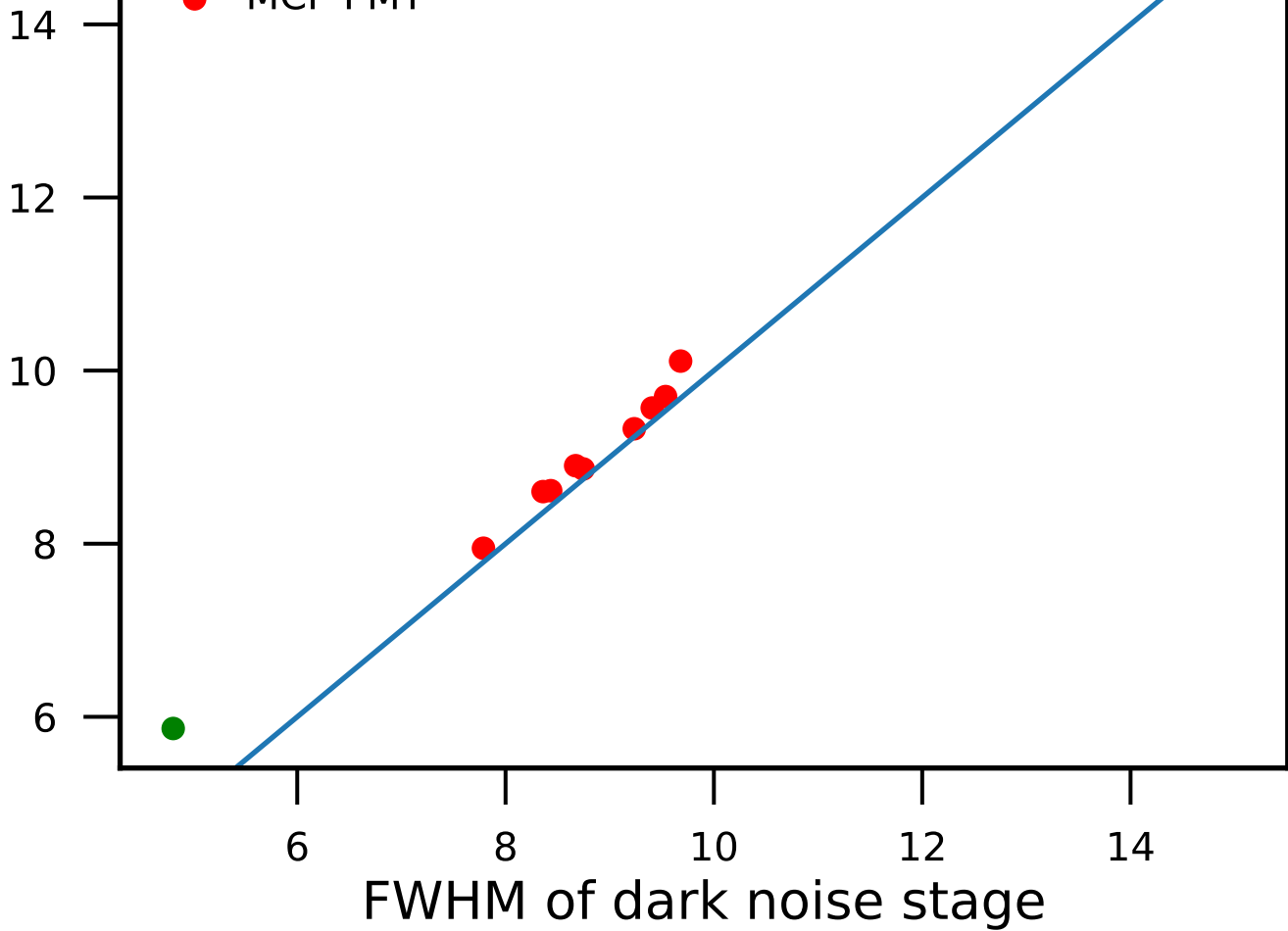
16

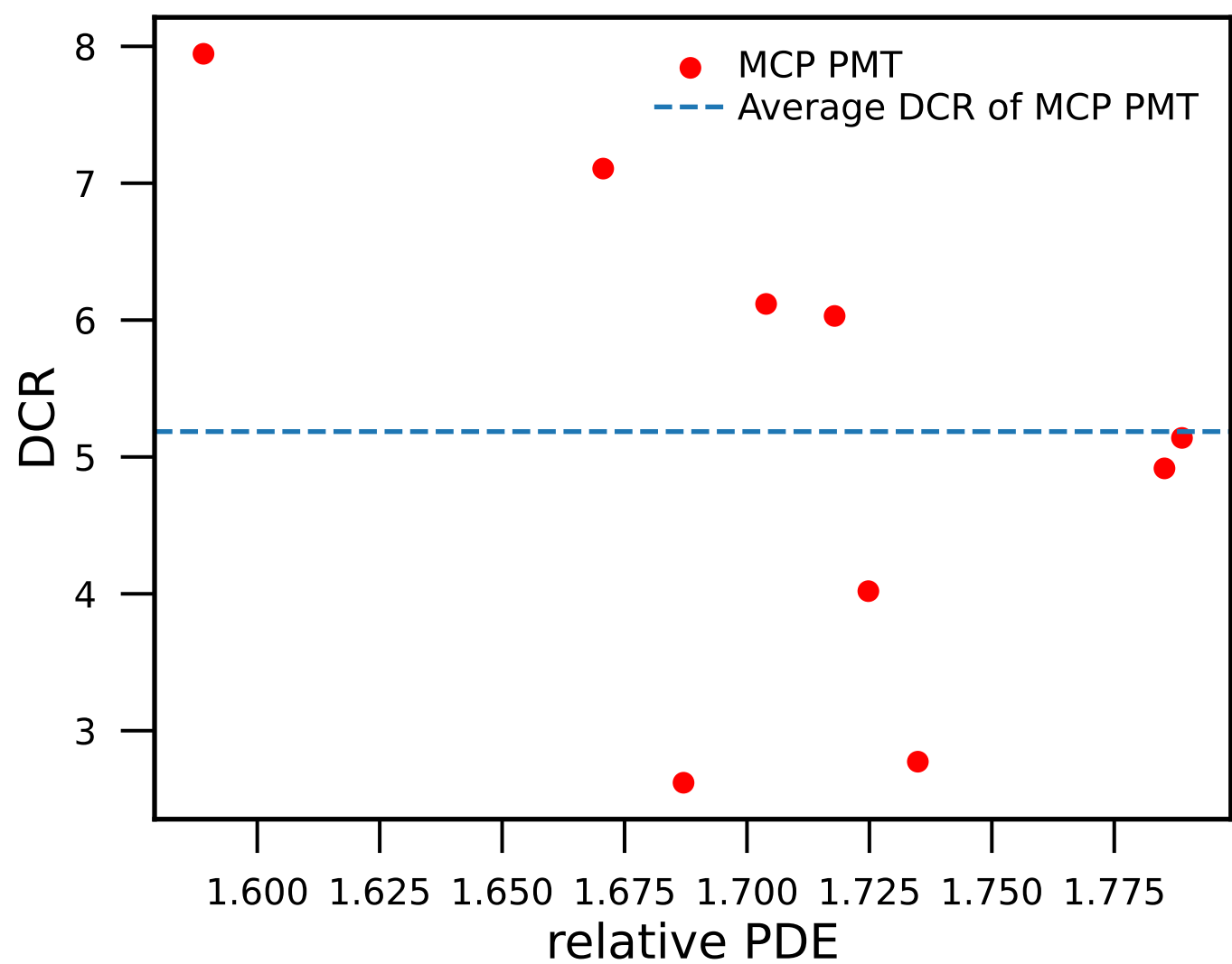
Fall of dark noise stage

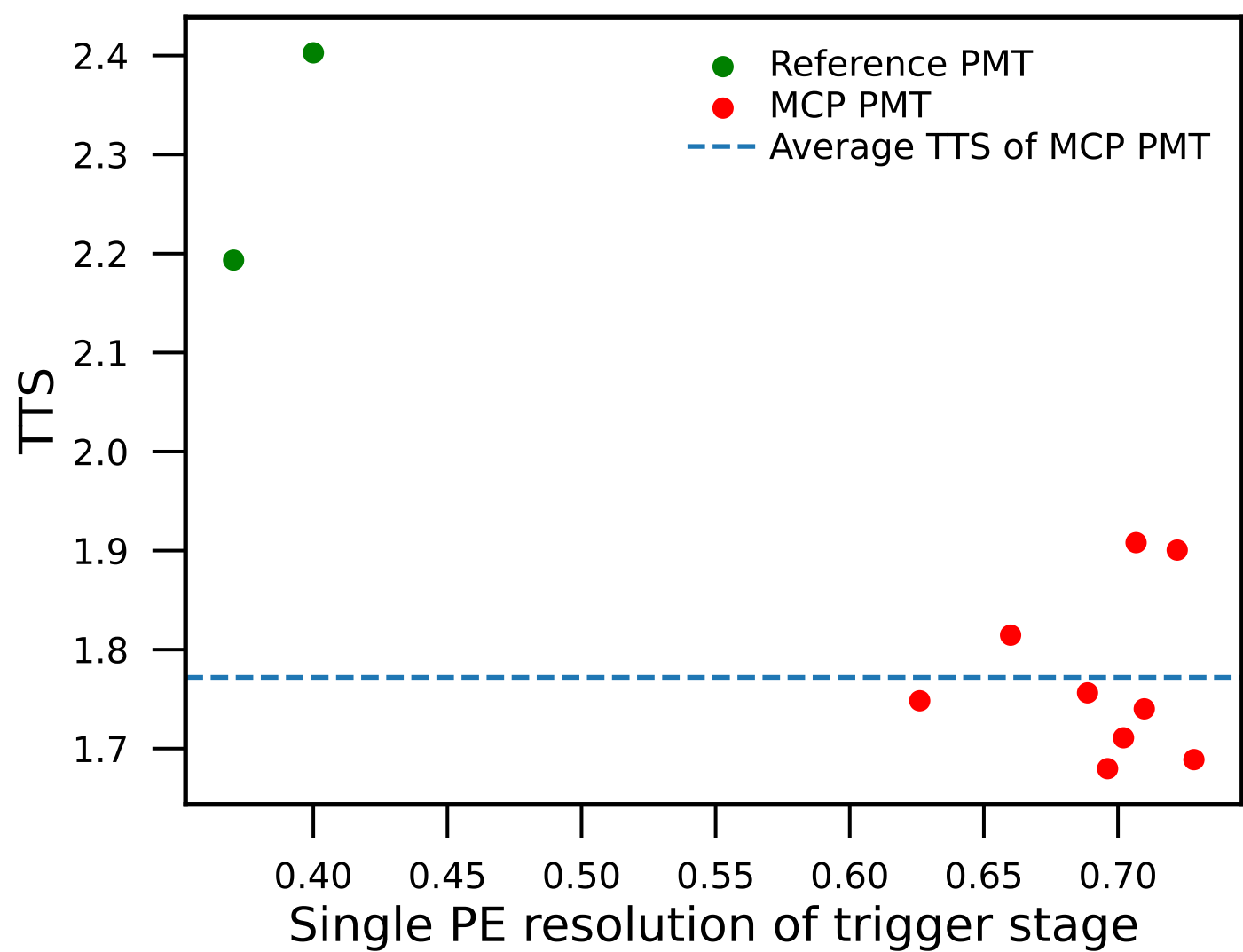


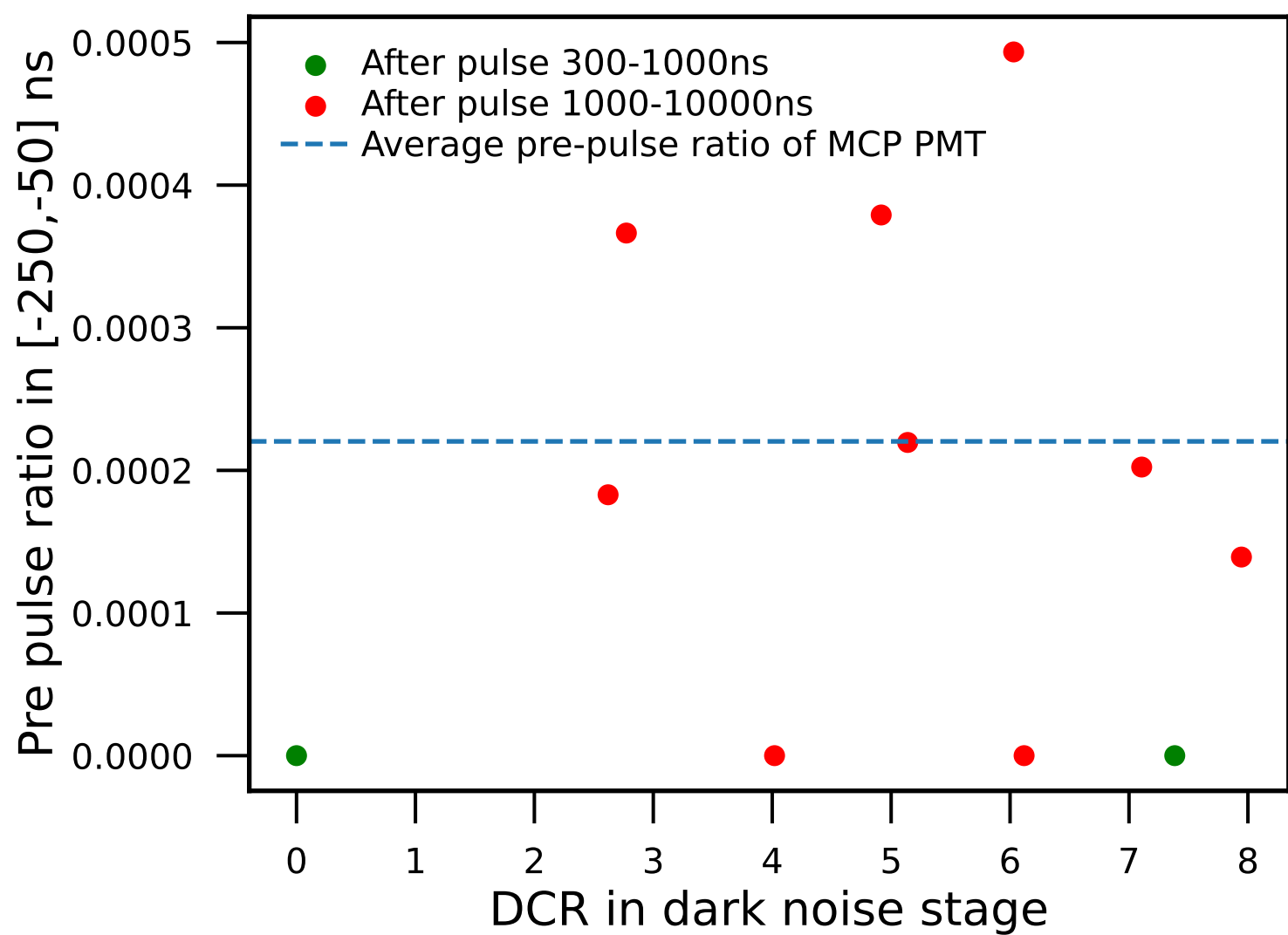
FWHM of trigger stage

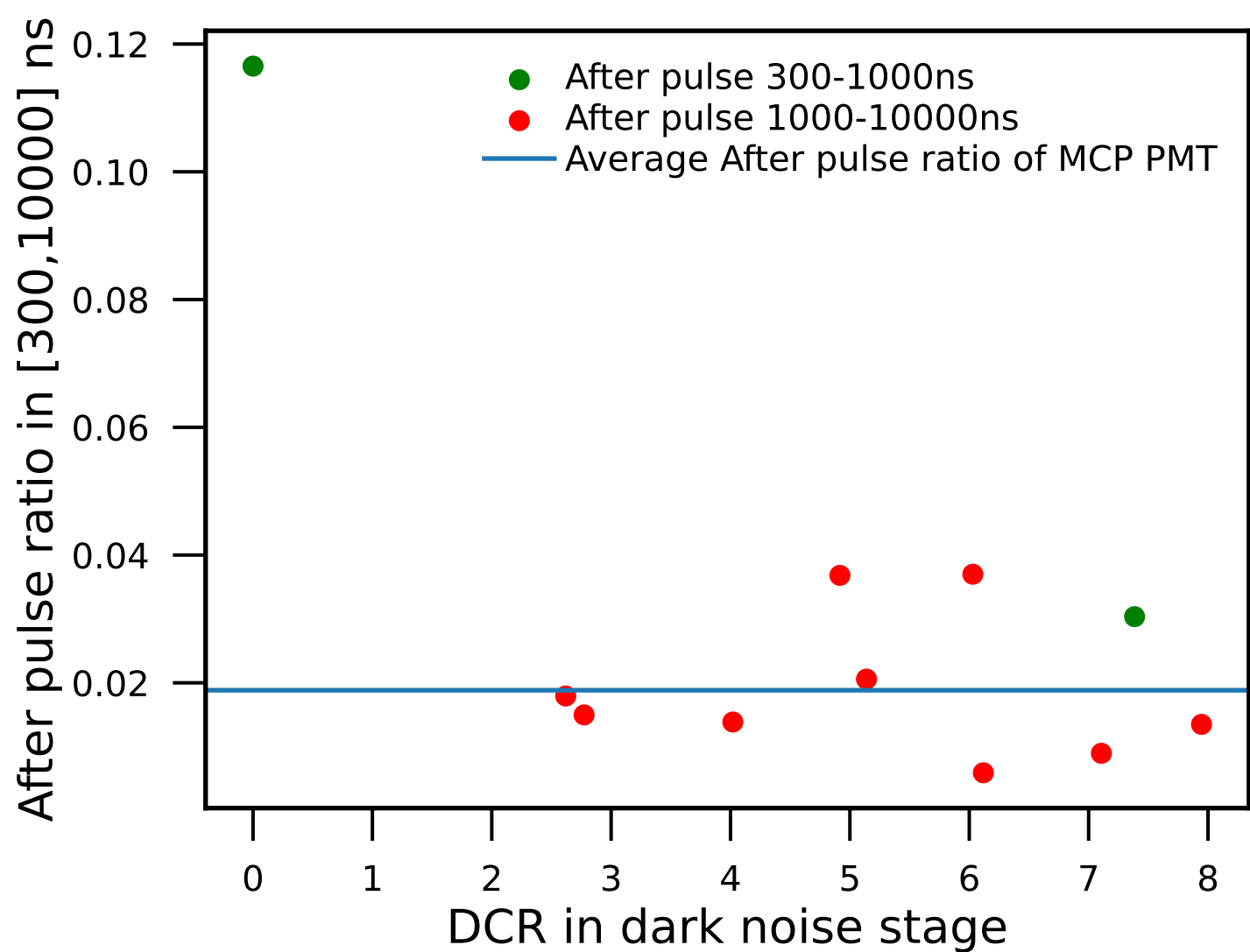
- Reference PMT
- MCP PMT

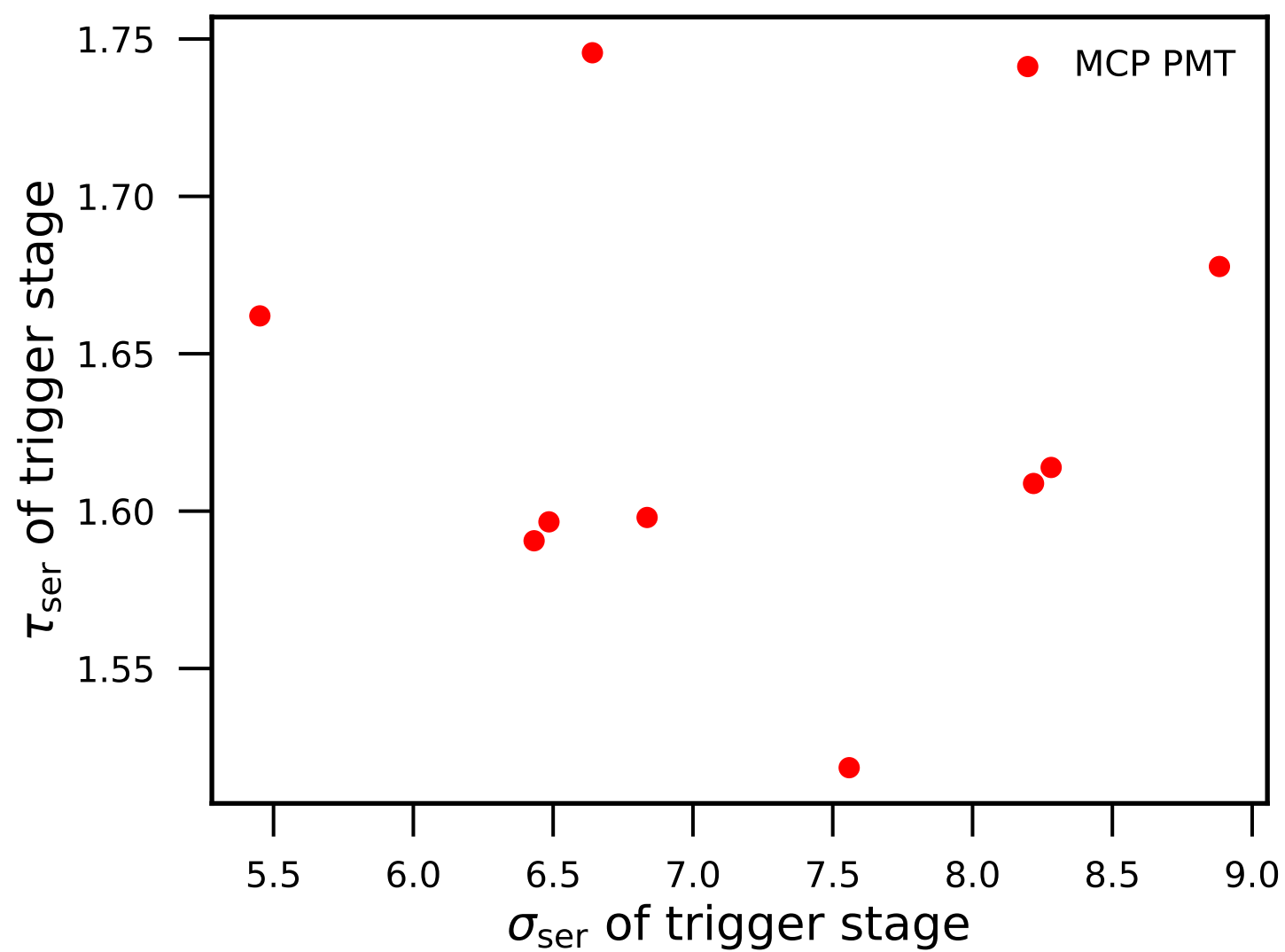


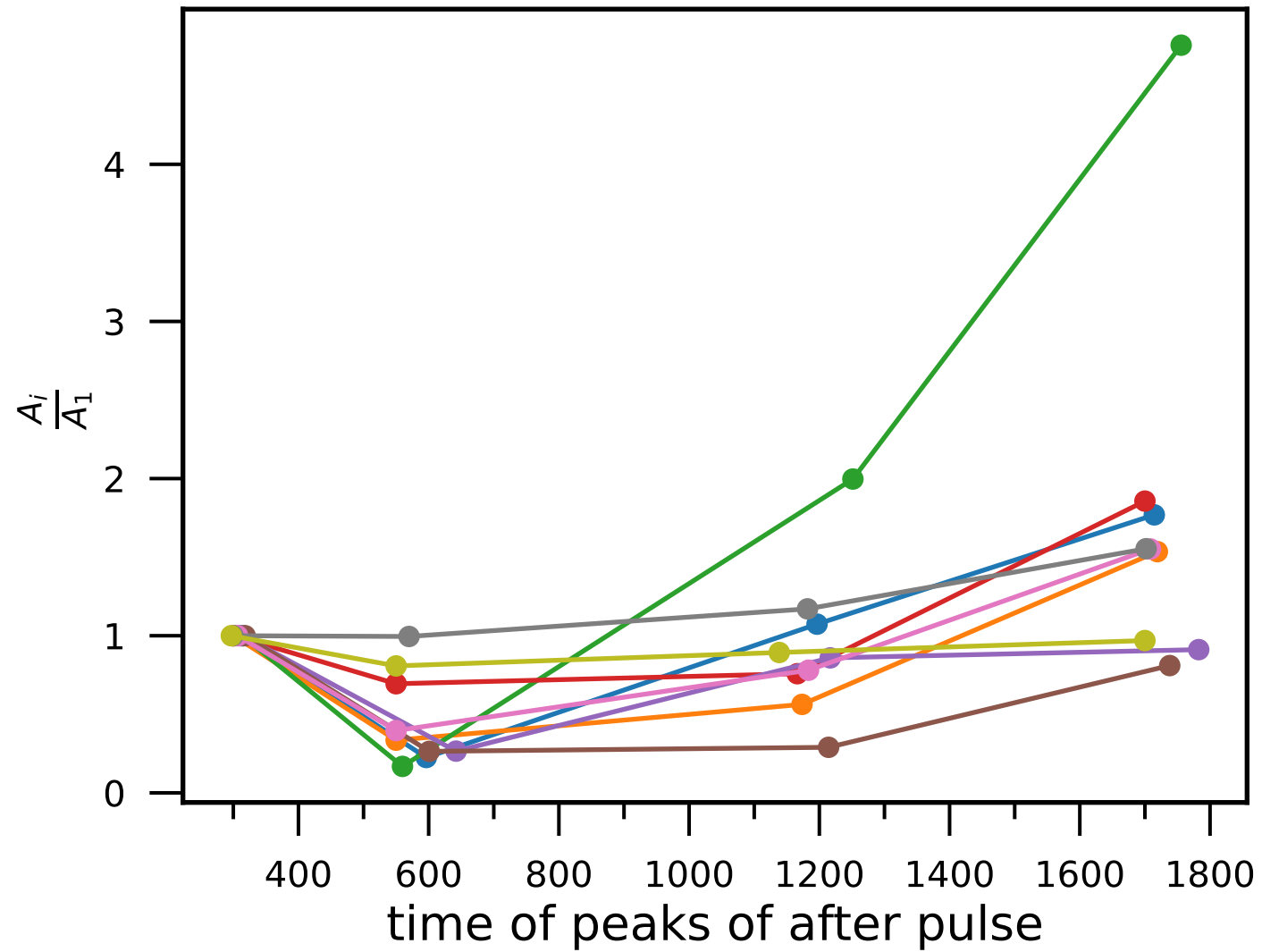












single PE resolution

0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2

1.0

1.2

1.4

1.6

1.8

relative PDE

- MCP
- Reference PMT

