Phenomenological noise, E stability experiment $Y^{1}Z^{3}$ $X^1Z^2 - X^3Z^3$ X^2Z^3 . X^3Z^2 $X^{1}Z^{1}$ $X^{2}Z^{2}$ $X^{3}Z^{1}$ $X^{2}Z^{1}$ $x^3v^3z^3$ $X^{2}Y^{3}Z^{3}$, $X^{3}Y^{2}Z^{3}$, $X^{3}Y^{3}Z^{2}$ $X^{1}Y^{3}Z^{3}$, $X^{2}Y^{2}Z^{3}$, $X^{2}Y^{3}Z^{2}$, $X^{3}Y^{1}Z^{3}$, $X^{3}Y^{2}Z^{2}$. $X^{3}Y^{3}Z^{1}$ $X^{1}Y^{2}Z^{3}$, $X^{1}Y^{3}Z^{2}$, $X^{2}Y^{1}Z^{3}$, $X^{2}Y^{2}Z^{2}$ $X^{2}Y^{3}Z^{1}$, $X^{3}Y^{1}Z^{2}$, $X^{3}Y^{2}Z^{1}$ $X^{1}Y^{1}Z^{3}$, $X^{1}Y^{2}Z^{2}$, $X^{1}Y^{3}Z^{1}$, $X^{2}Y^{1}Z^{2}$,

Circuit-level noise, E stability experiment

 $X^{2}Y^{2}Z^{1}$ $X^{3}Y^{1}Z^{1}$

 $X^{1}Y^{1}Z^{1}$

 $X^{1}Y^{1}Z^{2}$, $X^{1}Y^{2}Z^{1}$, $X^{2}Y^{1}Z^{1}$

X^1Z^3 $X^1Z^2 - X^3Z^3$ X^2Z^3 . X^3Z^2 $X^{1}Z^{1}$ $X^{2}Z^{2}$ $X^{3}Z^{1}$ X^2Z^1 $X^{1}Y^{3}Z^{3}$, $X^{3}Y^{1}Z^{3}$, $X^{3}Y^{3}Z^{1}$ $X^{1}Y^{2}Z^{3}$, $X^{1}Y^{3}Z^{2}$, $X^{2}Y^{1}Z^{3}$, $X^{2}Y^{3}Z^{1}$, $X^{3}Y^{1}Z^{2}$, $X^{3}Y^{2}Z^{1}$, $X^{3}Y^{3}Z^{3}$ $X^{1}Y^{1}Z^{3}$, $X^{1}Y^{2}Z^{2}$, $X^{1}Y^{3}Z^{1}$, $X^{2}Y^{1}Z^{2}$, $X^{2}Y^{2}Z^{1}$, $X^{2}Y^{3}Z^{3}$, $X^{3}Y^{1}Z^{1}$, $X^{3}Y^{2}Z^{3}$, $X^{3}Y^{3}Z^{2}$ $X^2Y^2Z^3$. $X^2Y^3Z^2$. $X^3Y^2Z^2$ $X^{1}Y^{1}Z^{1}, X^{1}Y^{1}Z^{2}, X^{1}Y^{2}Z^{1}, X^{2}Y^{1}Z^{1}, X^{2}Y^{1}Z^{1},$

Entangling measurement noise, E stability experiment

```
X^{1}Z^{3}
X^{1}Z^{2}, X^{3}Z^{3}
X^2Z^3 \quad X^3Z^2
X^1Z^1, X^2Z^2, X^3Z^1
X^{2}Z^{1}
X^{3}Y^{3}Z^{3}
X^{2}Y^{3}Z^{3}, X^{3}Y^{2}Z^{3}, X^{3}Y^{3}Z^{2}
X^{1}Y^{3}Z^{3}, X^{2}Y^{2}Z^{3}, X^{2}Y^{3}Z^{2}, X^{3}Y^{1}Z^{3},
X^3Y^2Z^2, X^3Y^3Z^1
X^{1}Y^{2}Z^{3}, X^{1}Y^{3}Z^{2}, X^{2}Y^{1}Z^{3}, X^{2}Y^{2}Z^{2}, X^{2}Y^{3}Z^{1}, X^{3}Y^{1}Z^{2}, X^{3}Y^{2}Z^{1}
X^{1}Y^{1}Z^{3}, X^{1}Y^{2}Z^{2}, X^{1}Y^{3}Z^{1}, X^{2}Y^{1}Z^{2},
X^{2}Y^{2}Z^{1}, X^{3}Y^{1}Z^{1}
X^{1}Y^{1}Z^{2}, X^{1}Y^{2}Z^{1}, X^{2}Y^{1}Z^{1}
X^{1}Y^{1}Z^{1}
                                                                                             1/2
              1/10
                                   1/5
                                                     3/10
                                                                          2/5
```

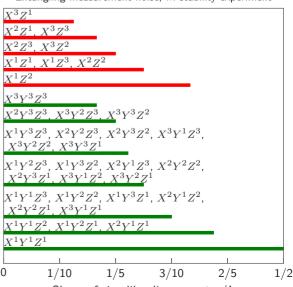
Slope of timelike distance: t_E/h

```
Phenomenological noise, M stability experiment
X^{3}Z^{1}
X^2Z^1 - X^3Z^3
X^2Z^3. X^3Z^2
X^1Z^1 X^1Z^3 X^2Z^2
X^{1}Z^{2}
x^3v^3z^3
X^{2}Y^{3}Z^{3}, X^{3}Y^{2}Z^{3}, X^{3}Y^{3}Z^{2}
X^{1}Y^{3}Z^{3}, X^{2}Y^{2}Z^{3}, X^{2}Y^{3}Z^{2}, X^{3}Y^{1}Z^{3},
 X^{3}Y^{2}Z^{2}. X^{3}Y^{3}Z^{1}
X^{1}Y^{2}Z^{3}, X^{1}Y^{3}Z^{2}, X^{2}Y^{1}Z^{3}, X^{2}Y^{2}Z^{2}
 X^{2}Y^{3}Z^{1}, X^{3}Y^{1}Z^{2}, X^{3}Y^{2}Z^{1}
X^{1}Y^{1}Z^{3}, X^{1}Y^{2}Z^{2}, X^{1}Y^{3}Z^{1}, X^{2}Y^{1}Z^{2},
 X^{2}Y^{2}Z^{1}. X^{3}Y^{1}Z^{1}
X^{1}Y^{1}Z^{2}, X^{1}Y^{2}Z^{1}, X^{2}Y^{1}Z^{1}
X^{1}Y^{1}Z^{1}
```

Circuit-level noise, E stability experiment

```
X^3Z^1
X^2Z^1, X^3Z^3
X^2Z^3. X^3Z^2
X^1Z^1 X^1Z^3 X^2Z^2
X^1Z^2
X^{1}Y^{3}Z^{3}, X^{3}Y^{1}Z^{3}, X^{3}Y^{3}Z^{1}
X^{1}Y^{2}Z^{3}, X^{1}Y^{3}Z^{2}, X^{2}Y^{1}Z^{3}, X^{2}Y^{3}Z^{1},
 X^{3}Y^{1}Z^{2}, X^{3}Y^{2}Z^{1}, X^{3}Y^{3}Z^{3}
X^{1}Y^{1}Z^{3}, X^{1}Y^{2}Z^{2}, X^{1}Y^{3}Z^{1}, X^{2}Y^{1}Z^{2}
 X^{2}Y^{2}Z^{1}, X^{2}Y^{3}Z^{3}, X^{3}Y^{1}Z^{1}, X^{3}Y^{2}Z^{3}, X^{3}Y^{3}Z^{2}
X^{2}Y^{2}Z^{3}, X^{2}Y^{3}Z^{2}, X^{3}Y^{2}Z^{2}
X^{1}Y^{1}Z^{1}, X^{1}Y^{1}Z^{2}, X^{1}Y^{2}Z^{1}, X^{2}Y^{1}Z^{1}, X^{2}Y^{1}Z^{1},
```

Entangling measurement noise, M stability experiment



Slope of timelike distance: t_M/h