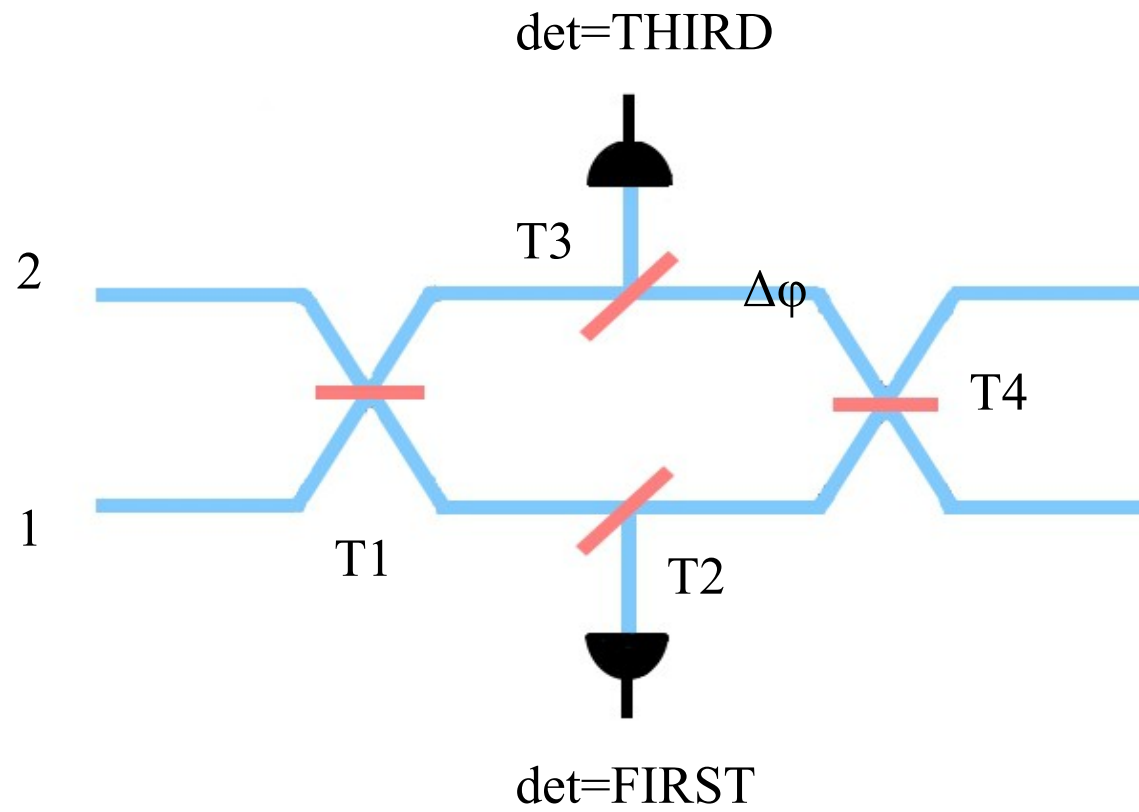
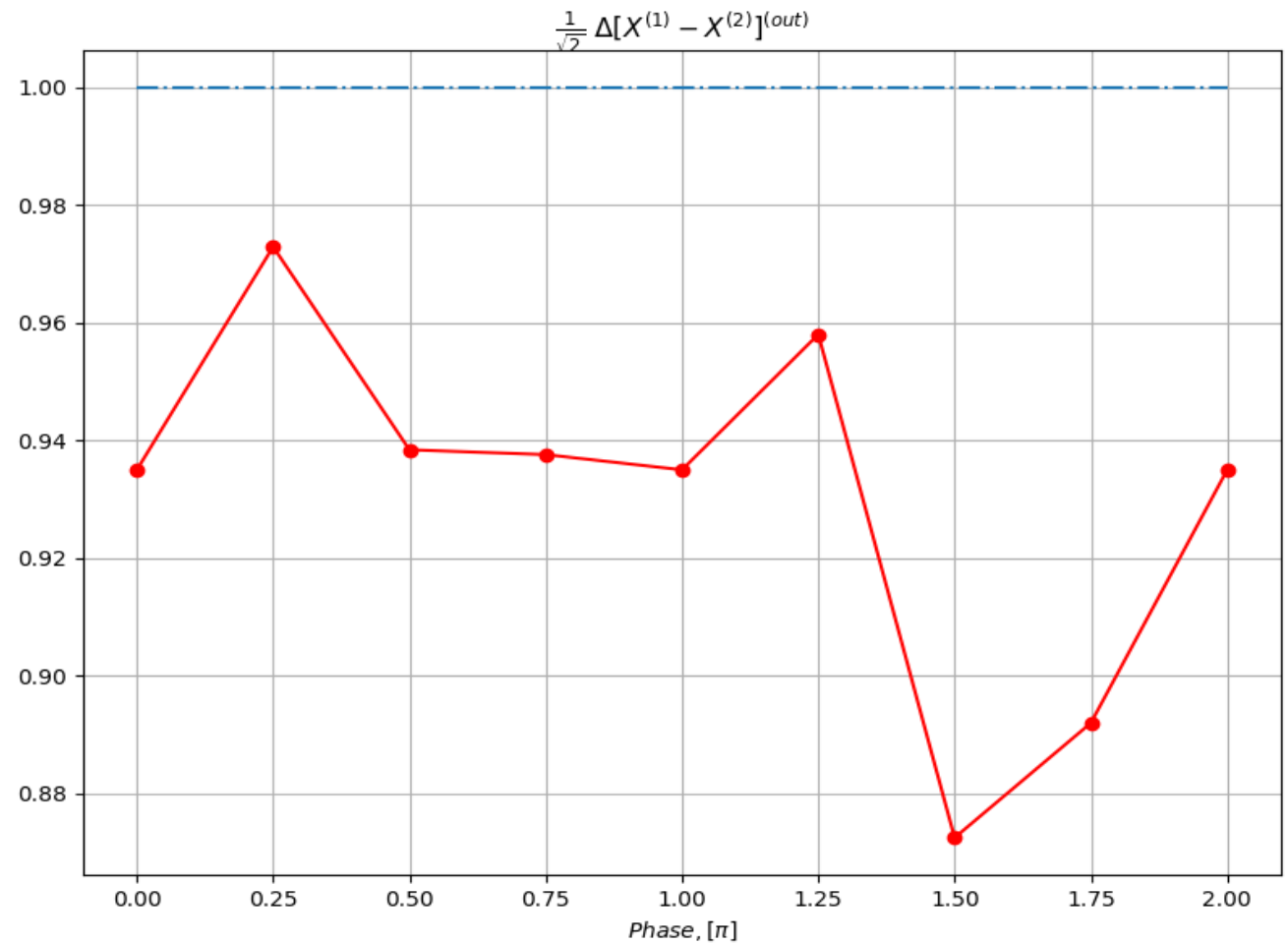


Setup.



1. Single photon goes to the second(top) channel. Coherent state ($\alpha=1$) goes to the first(bottom) channel. **Third and only third** detector clicks.

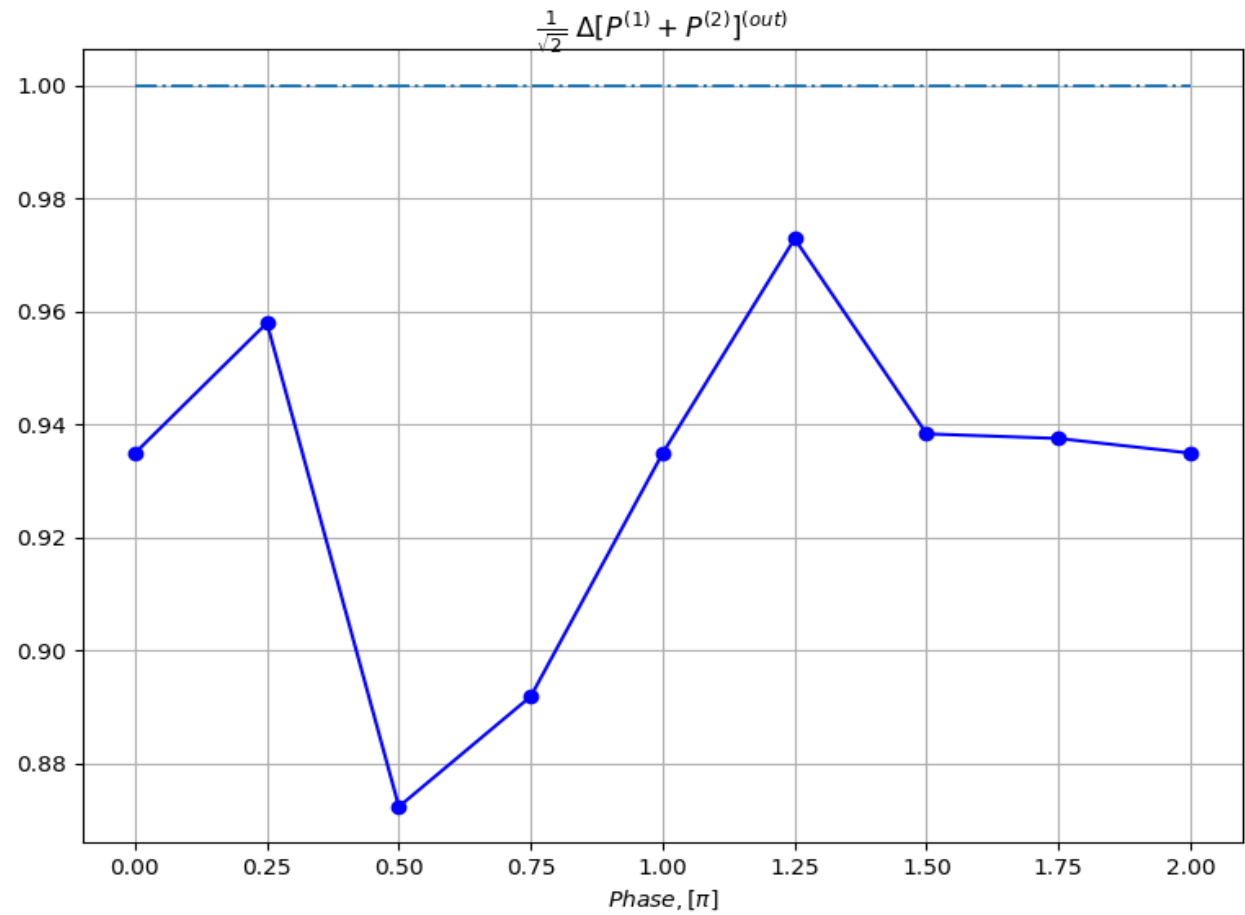
EPR[X] min values among all BS parameters.



Minimizing set of BS parameters.

Phase, [pi]	T1	T4	T2	T3
0.0	0.3	0.2	0.1	1.0
0.25	0.7	1.0	1.0	0.0
0.5	0.2	1.0	0.0	1.0
0.75	0.1	0.5	0.0	1.0
1.0	0.1	0.0	0.0	1.0
1.25	0.7	1.0	1.0	0.2
1.5	0.2	1.0	0.1	1.0
1.75	0.2	0.8	0.1	1.0
2.0	0.3	0.2	0.1	1.0

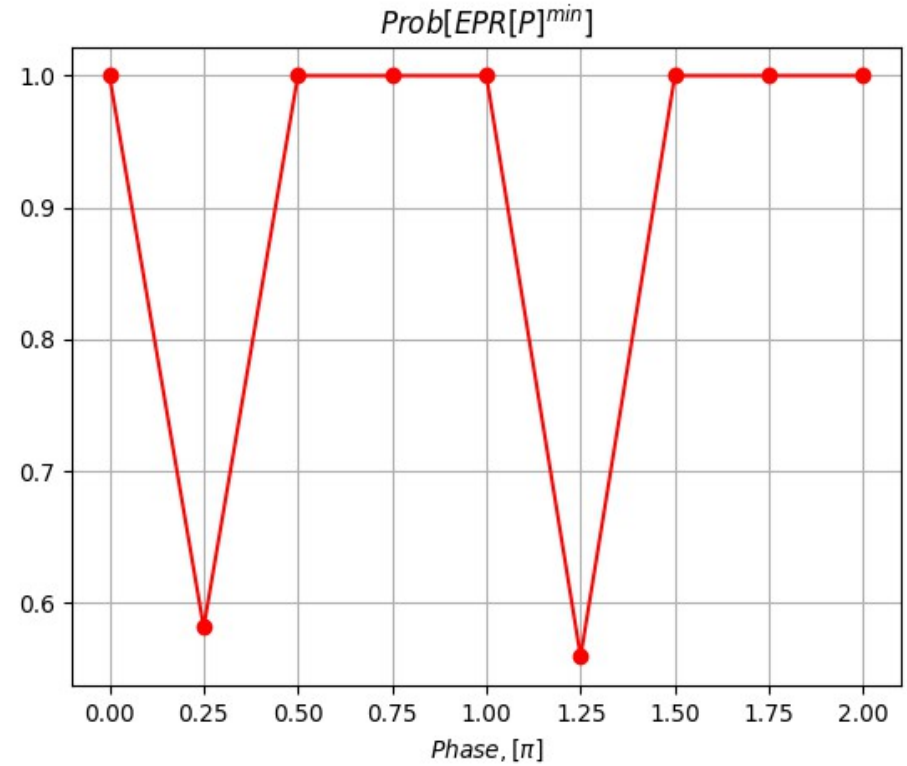
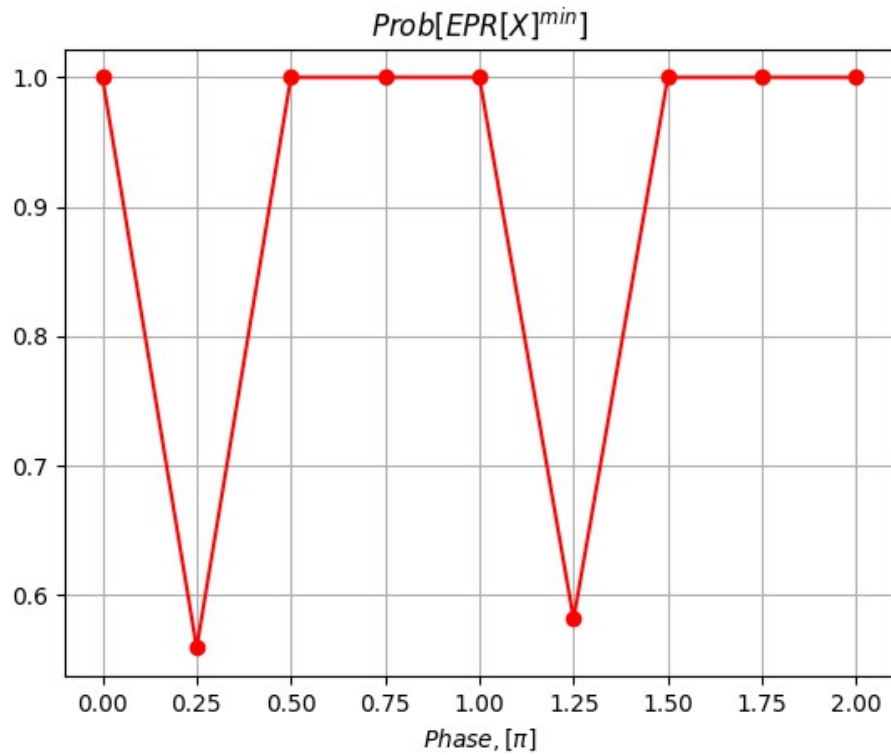
EPR[X] min values among
all BS parameters.



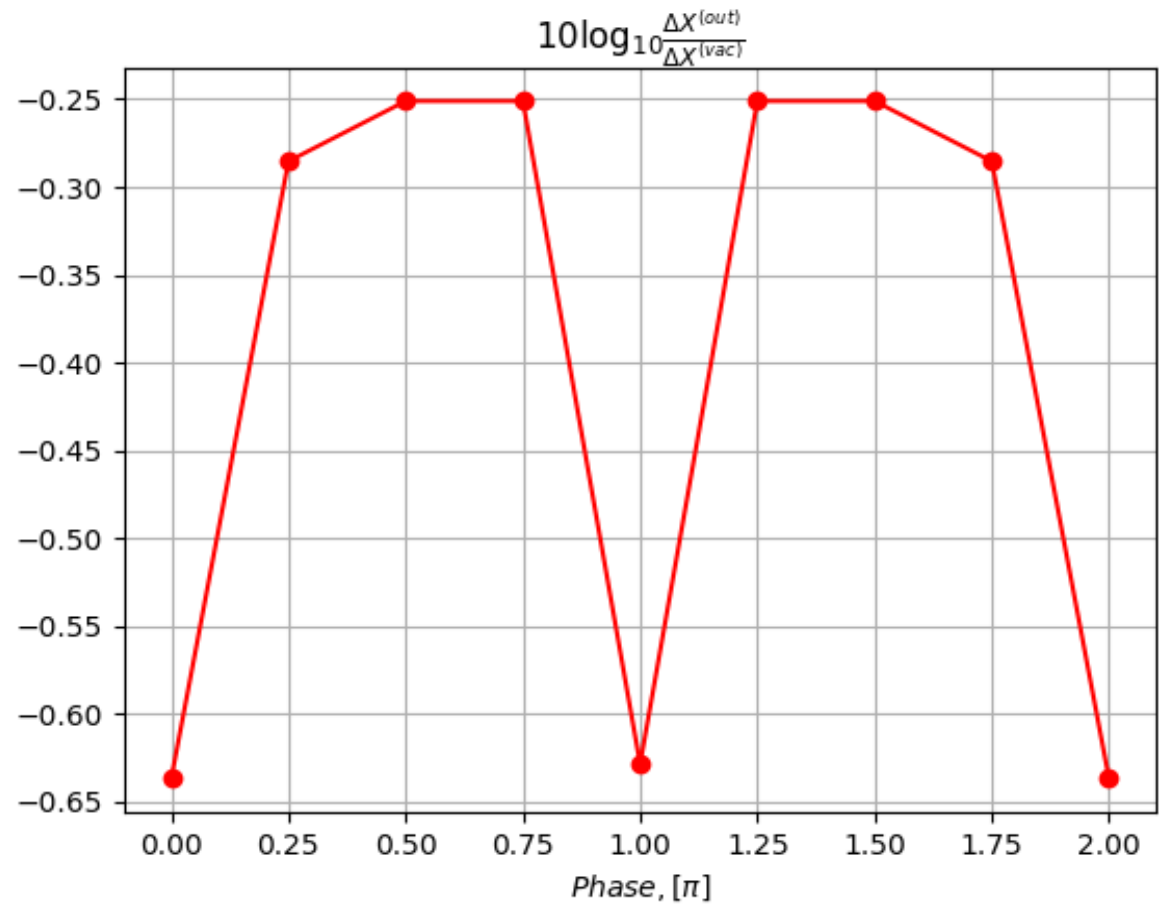
Minimizing set of BS
parameters.

Phase, [pi]	T1	T4	T2	T3
0.0	0.1	1.0	0.0	1.0
0.25	0.7	0.0	1.0	0.2
0.5	0.2	0.0	0.1	1.0
0.75	0.2	0.2	0.1	1.0
1.0	0.3	0.8	0.1	1.0
1.25	0.7	0.0	1.0	0.0
1.5	0.2	0.0	0.0	1.0
1.75	0.1	0.5	0.0	1.0
2.0	0.1	1.0	0.0	1.0

Probabilities for **only third** detector to click in case of EPR minimizing configuration form the previous slide.



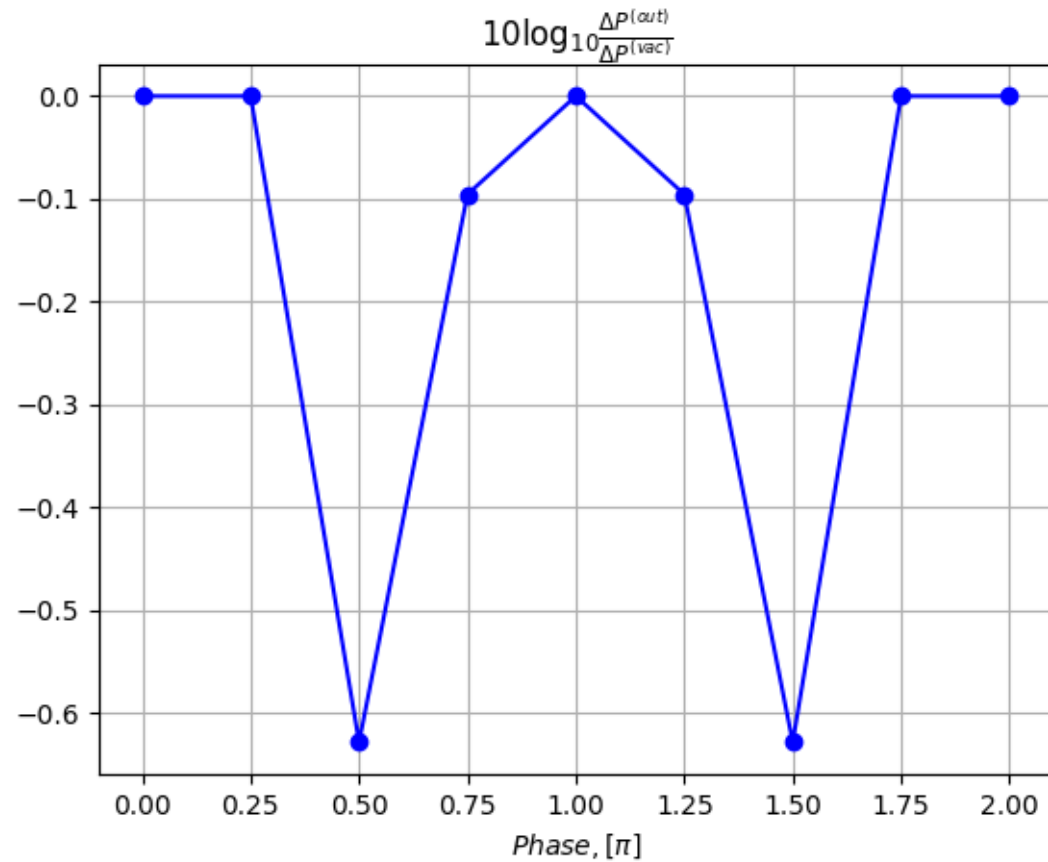
Max squeezing[X] over all parameters.



Minimizing set of BS parameters.

Phase, [pi]	T1	T4	T2	T3
0.0	0.3	0.2	0.1	1.0
0.25	0.1	0.9	0.1	1.0
0.5	0.7	1.0	1.0	0.0
0.75	0.7	1.0	1.0	0.0
1.0	0.1	0.0	0.0	1.0
1.25	0.7	1.0	1.0	0.0
1.5	0.7	1.0	1.0	0.0
1.75	0.1	0.9	0.1	1.0
2.0	0.3	0.2	0.1	1.0

Max squeezing[P] over all parameters.

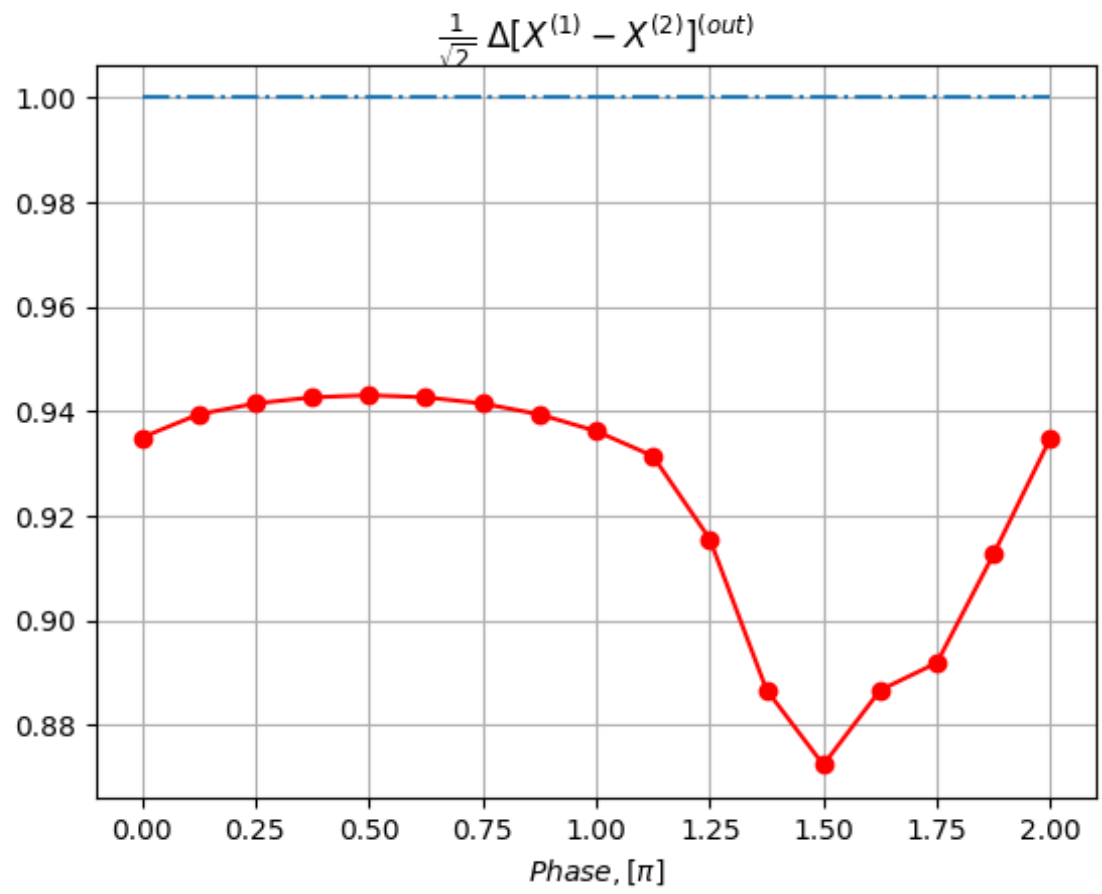


Minimizing set of BS parameters.

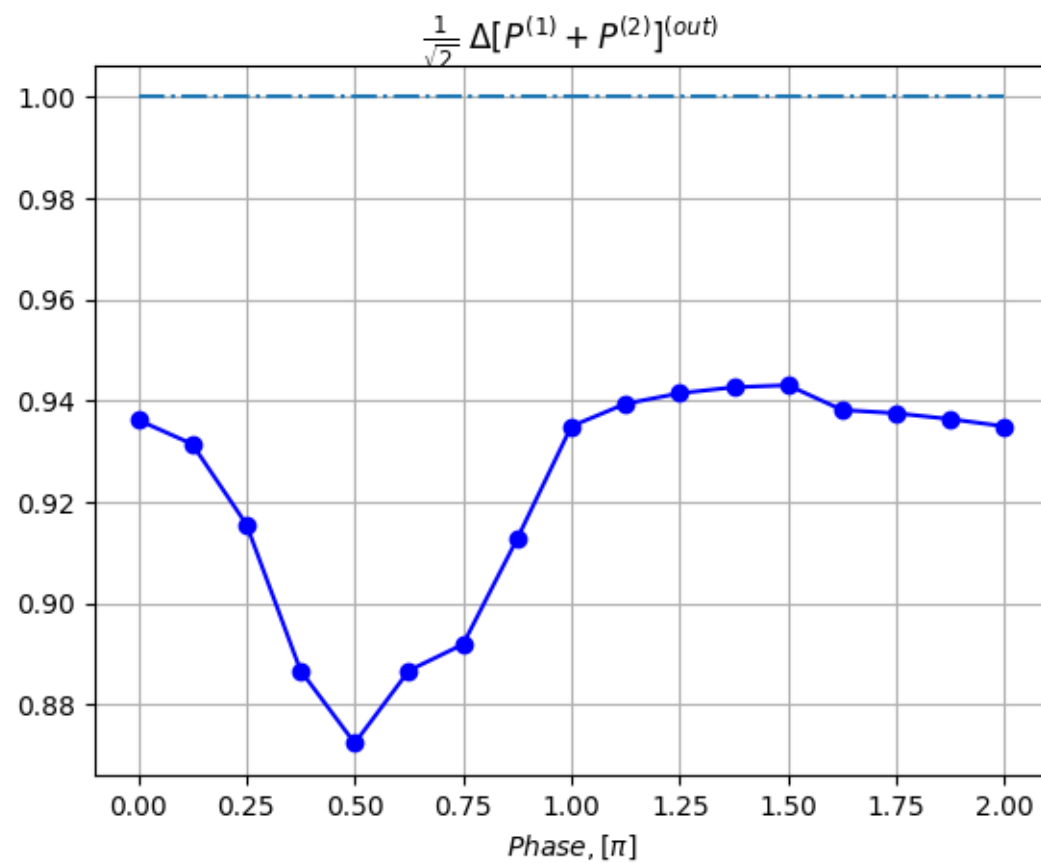
Phase, [pi]	T1	T4	T2	T3
0.0	0.1	1.0	0.0	1.0
0.25	0.1	1.0	0.0	1.0
0.5	0.1	0.0	0.0	1.0
0.75	0.7	0.5	0.8	1.0
1.0	0.1	1.0	0.0	1.0
1.25	0.7	0.5	0.8	1.0
1.5	0.1	0.0	0.0	1.0
1.75	0.1	1.0	0.0	1.0
2.0	0.1	1.0	0.0	1.0

2. Single photon goes to the second(top) channel. Coherent state (alpha=1) goes to the first(bottom) channel. **First and only first** detector clicks.

EPR[X] correlations and minimizing parameters.



Phase, [pi]	T1	T4	T2	T3
0.0	0.7	0.8	1.0	0.1
0.125	0.8	1.0	1.0	0.0
0.25	0.7	1.0	1.0	0.0
0.375	0.7	1.0	1.0	0.0
0.5	0.7	1.0	1.0	0.0
0.625	0.7	1.0	1.0	0.0
0.75	0.7	1.0	1.0	0.0
0.875	0.8	1.0	1.0	0.0
1.0	0.9	1.0	1.0	0.0
1.125	0.9	1.0	1.0	0.0
1.25	0.7	1.0	1.0	0.1
1.375	0.8	1.0	1.0	0.1
1.5	0.8	1.0	1.0	0.1
1.625	0.8	1.0	1.0	0.1
1.75	0.8	0.9	1.0	0.1
1.875	0.8	0.8	1.0	0.1
2.0	0.7	0.8	1.0	0.1



EPR[P]
correlations and
minimizing
parameters.

Phase, [pi]	T1	T4	T2	T3
0.0	0.9	0.0	1.0	0.0
0.125	0.9	0.0	1.0	0.0
0.25	0.7	0.0	1.0	0.1
0.375	0.8	0.0	1.0	0.1
0.5	0.8	0.0	1.0	0.1
0.625	0.8	0.0	1.0	0.1
0.75	0.8	0.1	1.0	0.1
0.875	0.8	0.2	1.0	0.1
1.0	0.7	0.2	1.0	0.1
1.125	0.8	0.0	1.0	0.0
1.25	0.7	0.0	1.0	0.0
1.375	0.7	0.0	1.0	0.0
1.5	0.7	0.0	1.0	0.0
1.625	0.8	0.0	1.0	0.0
1.75	0.9	0.0	1.0	0.0
1.875	0.9	0.0	1.0	0.0
2.0	0.9	0.0	1.0	0.0

Probabilities for **only first** detector to click in case of EPR minimizing configuration form the previous slide.

