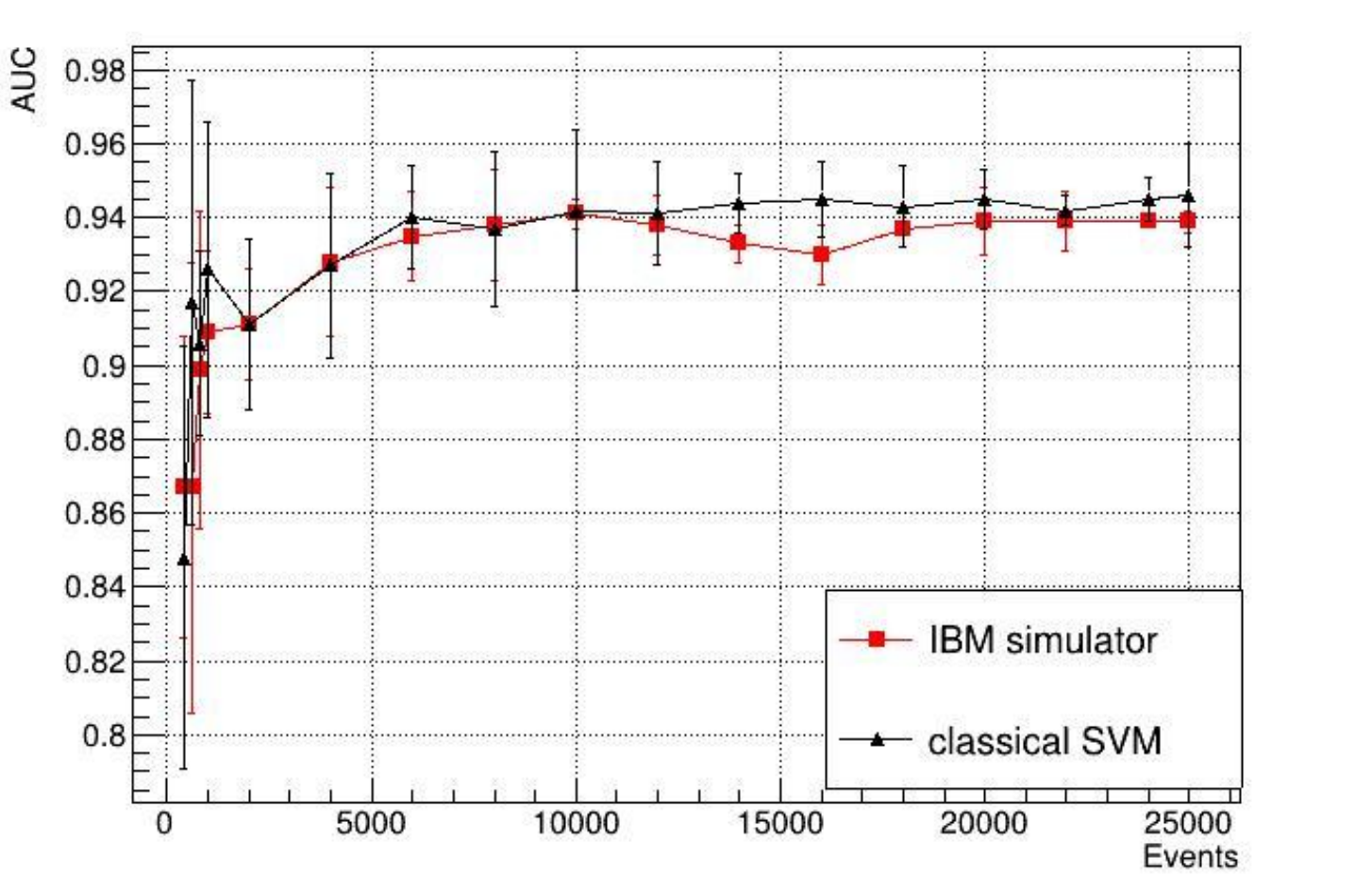
Scan for SVM

Rbf, cv=3, best C and gamma.
Use half sample as train dataset and gridsearch the best hyper parameters with train dataset. And then apply the best parameters in the test dataset.

scan	cv=3						
	SVM		use train dataset			Apply test dataset	
	C	gamma	AUC	std			
100	9	0.1	0.88	0.122		0.839	0.299
200	5	0.1	0.859	0.089		0.846	0.158
400	24	0.1	0.885	0.031		0.848	0.057
600	3	0.1	0.897	0.033		0.917	0.06
800	8	0.05	0.915	0.032		0.906	0.025
1000	18	0.1	0.907	0.02		0.926	0.04
2000	36	0.1	0.928	0.023		0.911	0.023
4000	6	0.1	0.945	0.014		0.927	0.025
6000	4	0.1	0.937	0.019		0.94	0.014
8000	18	0.1	0.939	0.002		0.937	0.021
10000	9	0.1	0.941	0.006		0.942	0.022
12000	6	0.1	0.943	0.012		0.941	0.014
14000	8	0.1	0.939	0.003		0.944	0.08
16000	16	0.1	0.941	0.017		0.945	0.01
18000	22	0.1	0.946	0.007		0.943	0.011
20000	6	0.1	0.94	0.007		0.945	0.008
22000	24	0.1	0.946	0.002		0.942	0.004
24000	18	0.1	0.944	0.004		0.945	0.006
25000	14	0.1	0.943	0.006		0.946	0.014

Compare



SVM finish the scan.
Working with QSVM scan now.