Neural network's Nf/Nu test:
Test duration -> 17:50:46.308813
Adam epochs -> 500
L-BFGS iterations -> 2000
Neural network's structure -> 4 hidden layers of 15 neurons
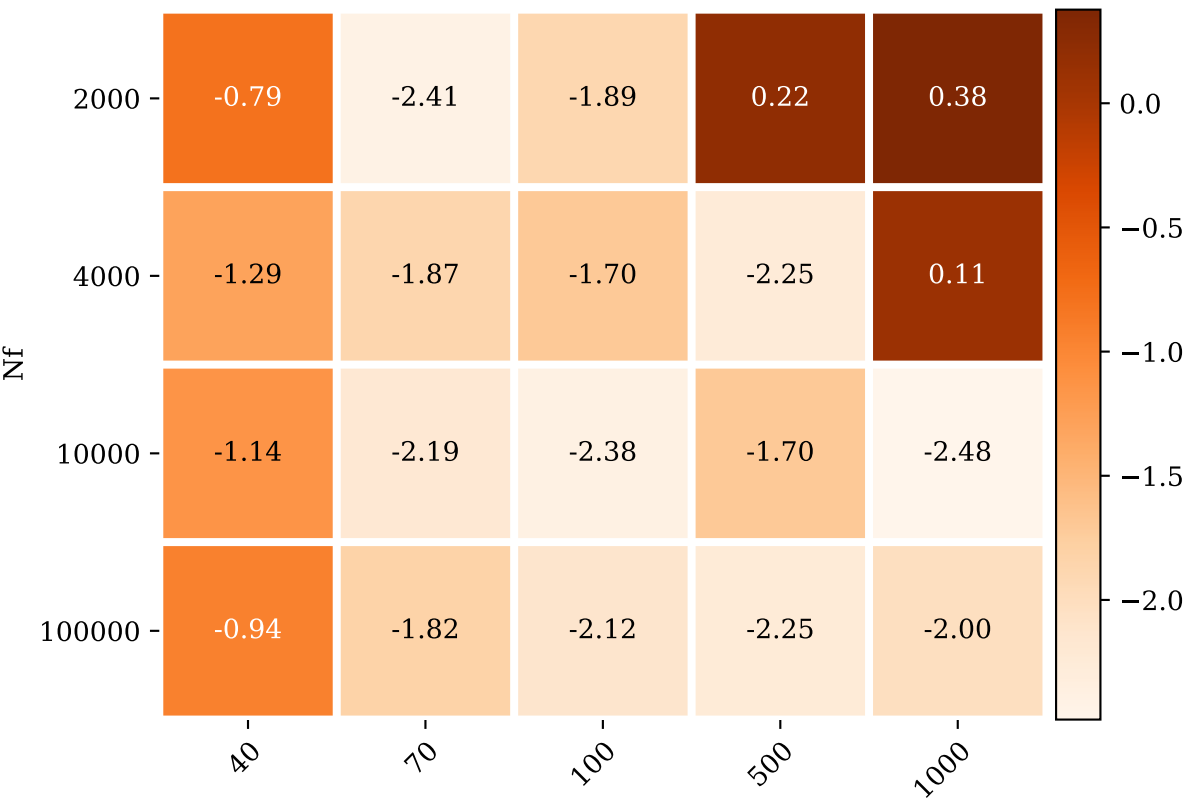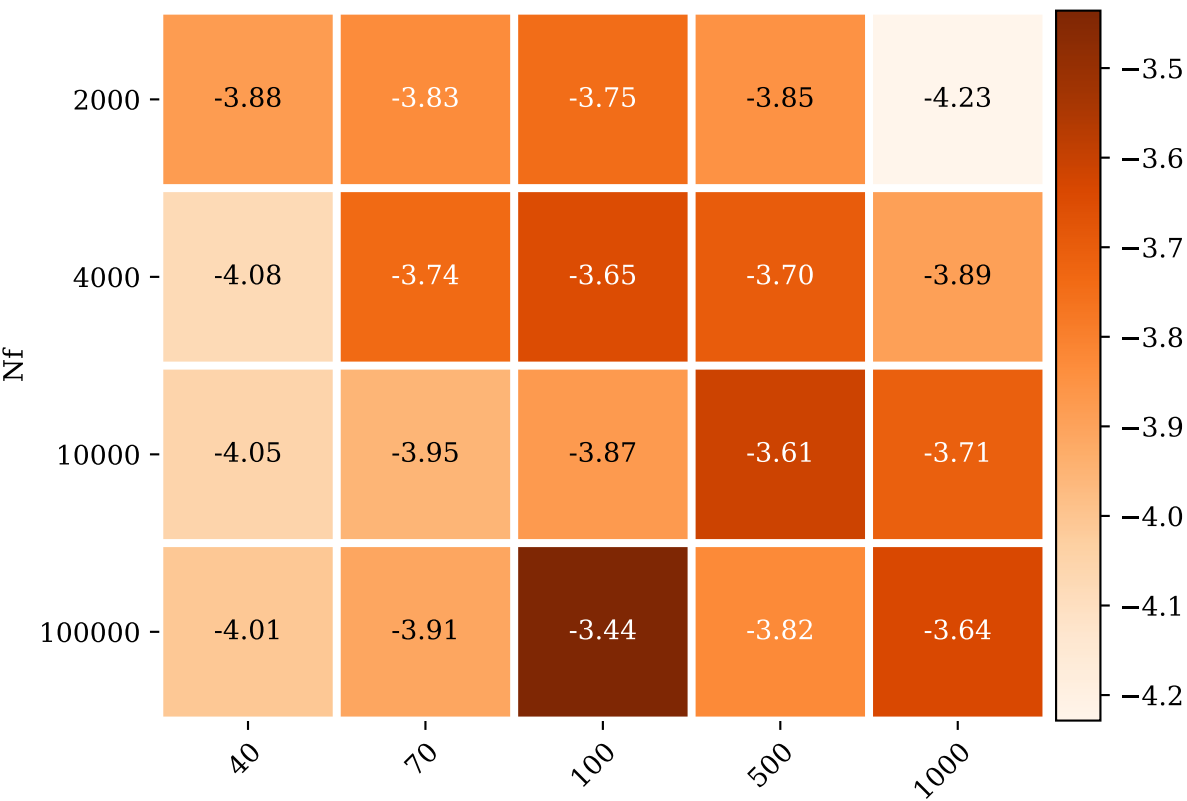Train T -> 1.0 s
Validation points -> 1810
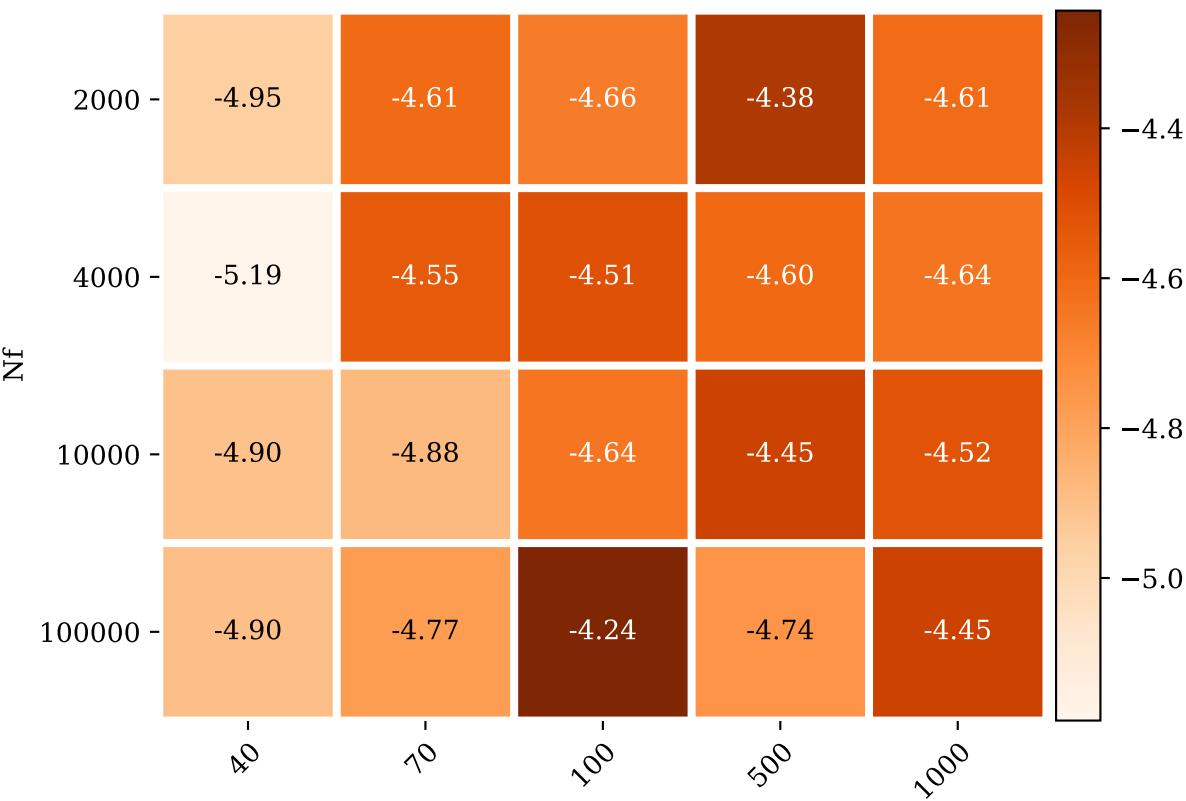Validation T -> 0.5 s
Plot scale -> Log 10

Validation L2 error

Nf	40	70	100	500	1000
2000	-0.79	-2.41	-1.89	0.22	0.38
4000	-1.29	-1.87	-1.70	-2.25	0.11
10000	-1.14	-2.19	-2.38	-1.70	-2.48
100000	-0.94	-1.82	-2.12	-2.25	-2.00

Train total L2 error

Train u L2 error

Train f L2 error