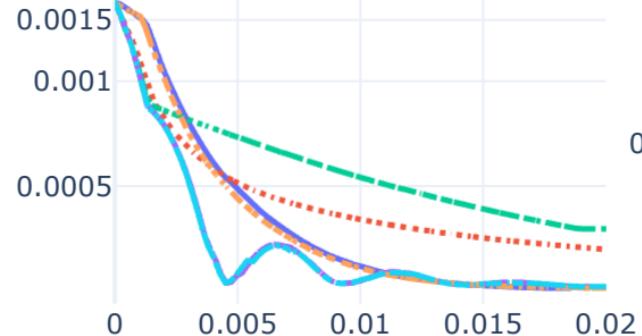
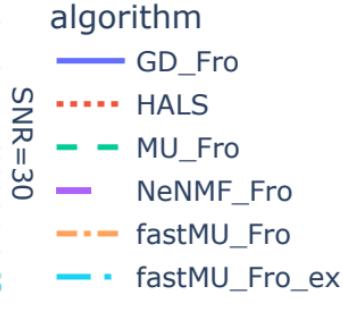
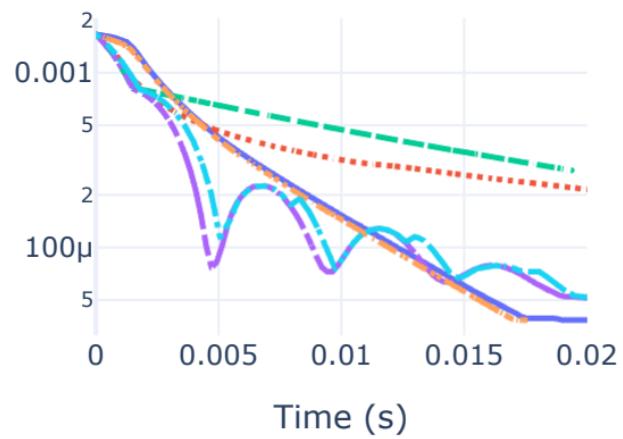


Fit

 $[m, n, r] = [1000, 400, 20]$  $[m, n, r] = [200, 100, 5]$ 

Fit



Time (s)

Time (s)

SNR=30

SNR=100

algorithm

- GD\_Fro
- HALS
- MU\_Fro
- NeNMF\_Fro
- fastMU\_Fro
- fastMU\_Fro\_ex