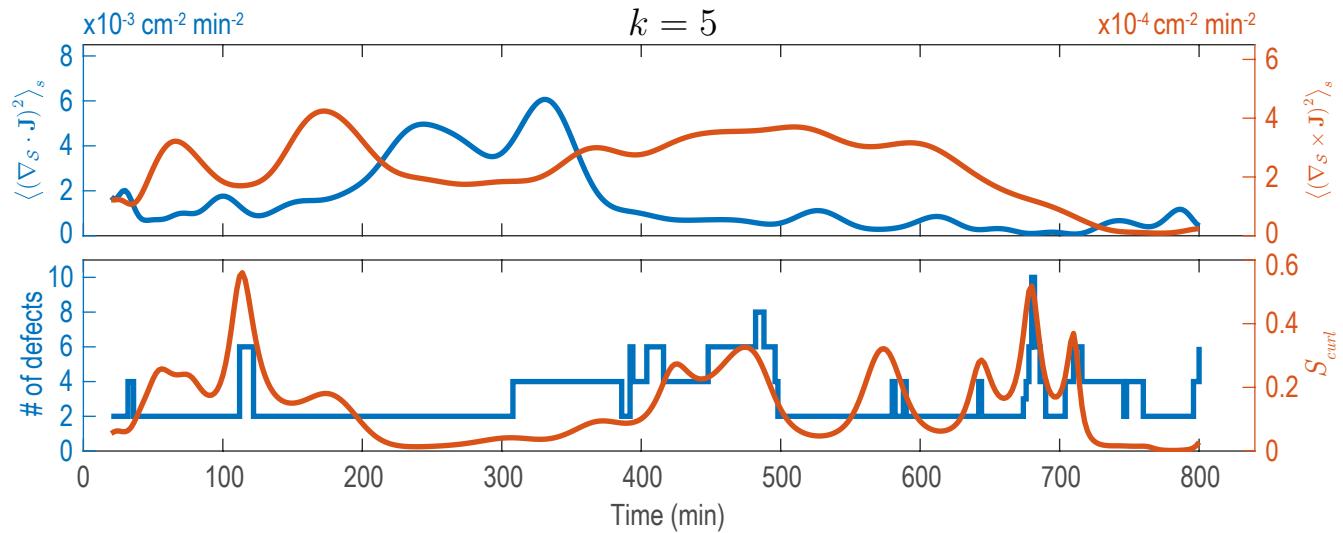


Sample 1

 $k = 5$  $k = 7$ 