**Energy spectrum** truth linear-RK20steps linear-RK40steps 10° linear-RK80steps designed-RK20steps  $10^{-1}$  $10^{-2}$ 10<sup>-3</sup>  $10^{-4}$ 10<sup>-5</sup> 20  $2^{1}$ 2<sup>2</sup> 2<sup>3</sup> 2<sup>'4</sup> k