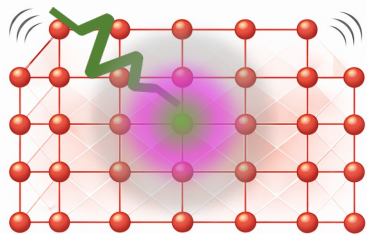


(a)



many-body system (M)

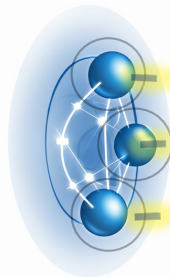
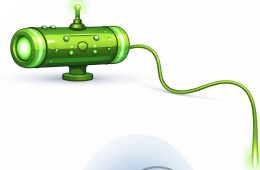


$$[M(t_1), M(t_2)]$$

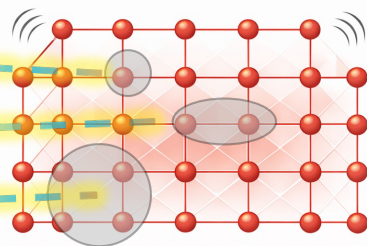
....

1  $k$ -point correlator

(b)



quantum probe (P)



many-body system (M)



$$[M(t_1), M(t_2)], \{M(t_1), M(t_2)\}$$

....

 $2^{k-1}$   $k$ -point correlators