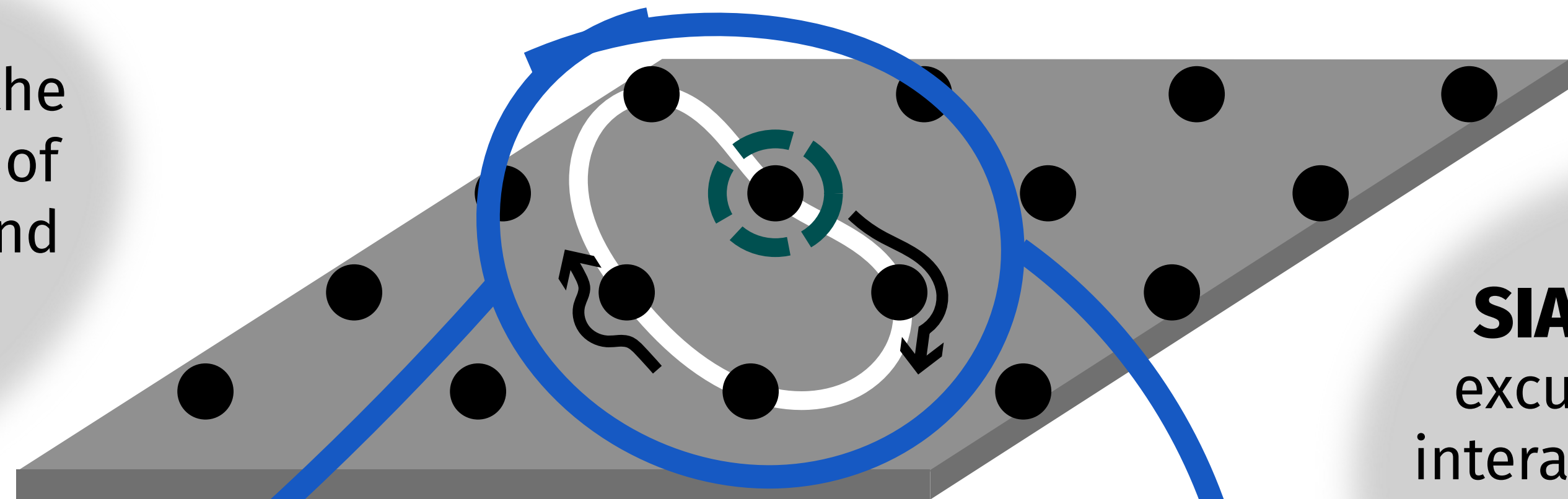


**DMFT** represents excursions from a site into the correlated bath in the form of self-energies for the bath and the impurity. This results in a three-peak DOS of the bath.



The **extended SIAM** represents these excursions by generating interactions  $J$  and  $U_b$ . These interactions mimic the effect of the impurity and bath self-energies as observed within DMFT.

DMFT

extended  
SIAM

