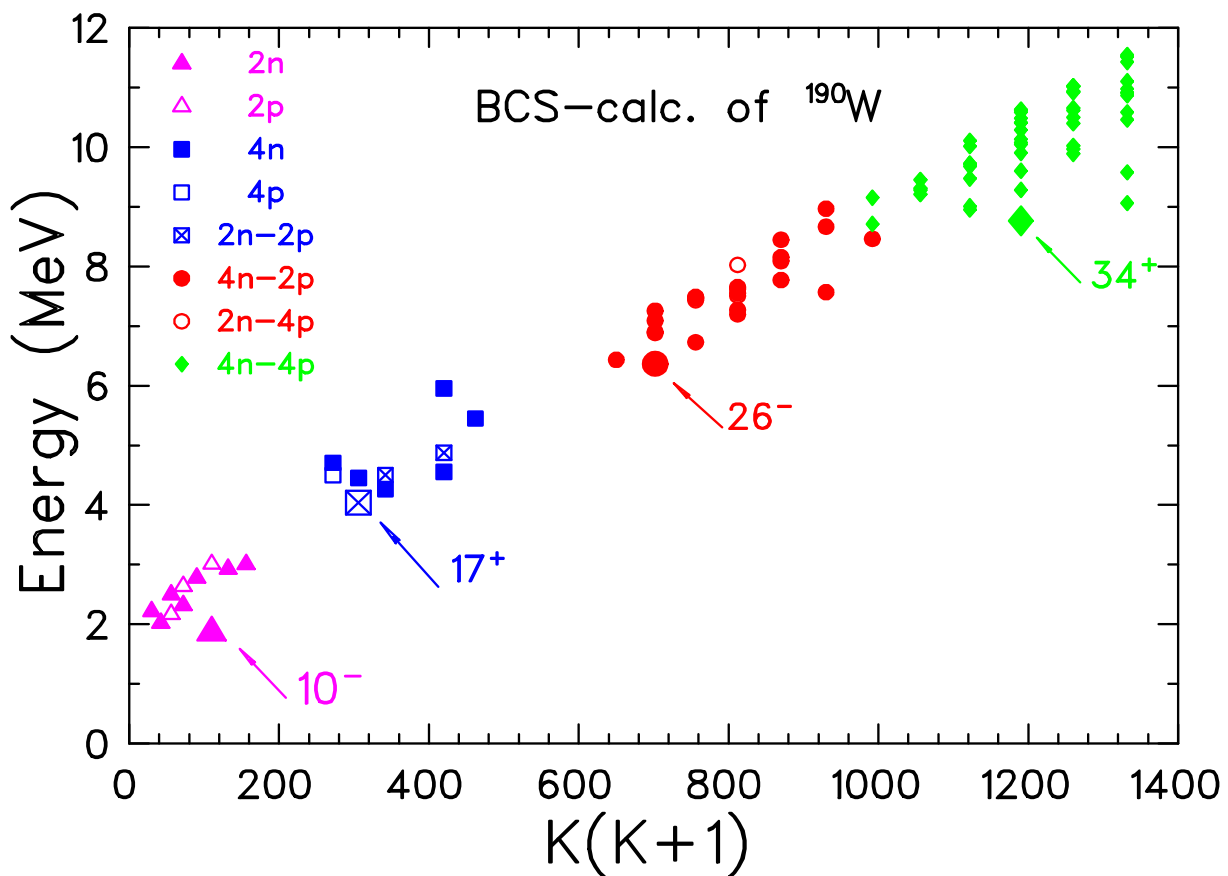


Blocked BCS-calculation of ^{190}W

BCS-Model \rightarrow MQP-state-energy

$$E_{(\alpha_1, \alpha_2 \dots \alpha_n)} = \sum_{\alpha=\alpha_1, \alpha_2 \dots \alpha_n} \left((\epsilon_\alpha - \lambda) + \Delta^2 \right)^{1/2}$$

blocking: exclude unpaired particles \rightarrow no pair correlation



2-qp @ $E_x=1864$ KeV with $K^\pi=10^-$

4-qp @ $E_x=4036$ keV with $K^\pi=17^+$

6-qp @ $E_x=6367$ keV with $K^\pi=26^-$

8-qp @ $E_x=8764$ keV with $K^\pi=34^+$