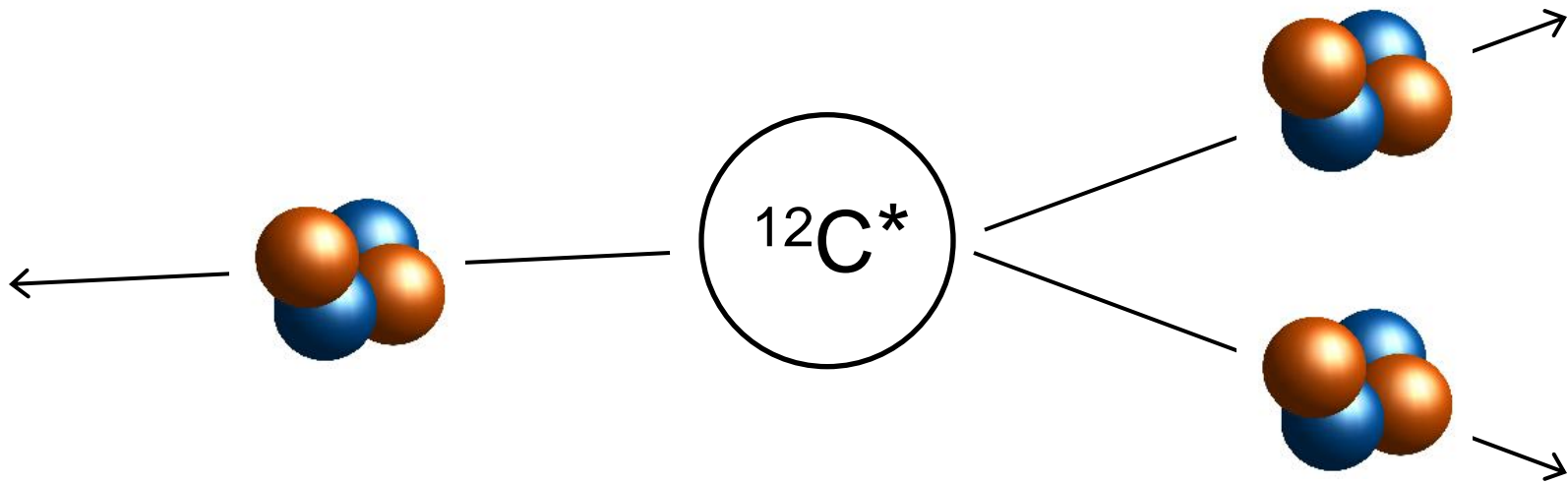


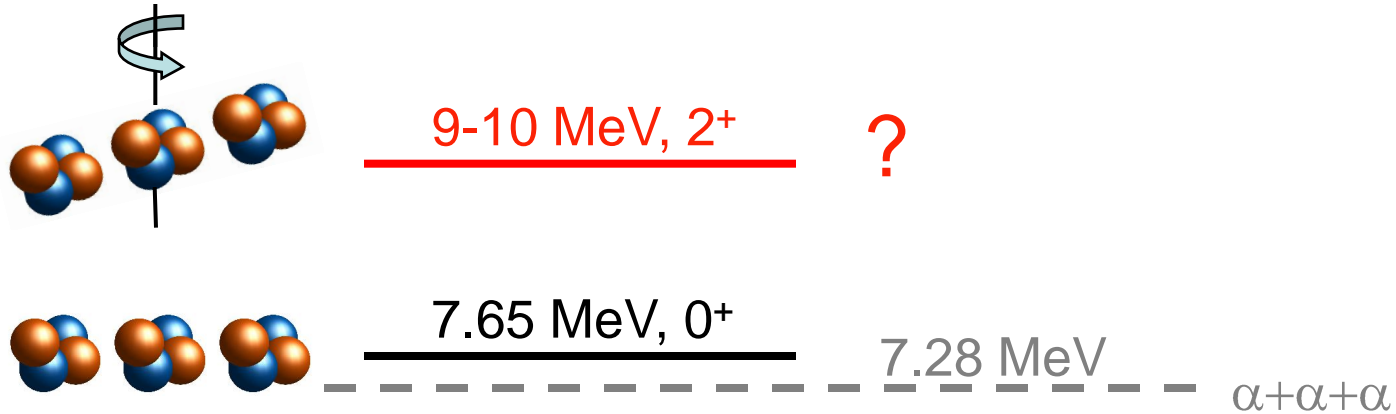
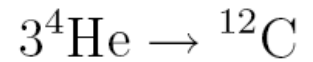
3α breakup of ^{12}C resonances



The Hoyle state

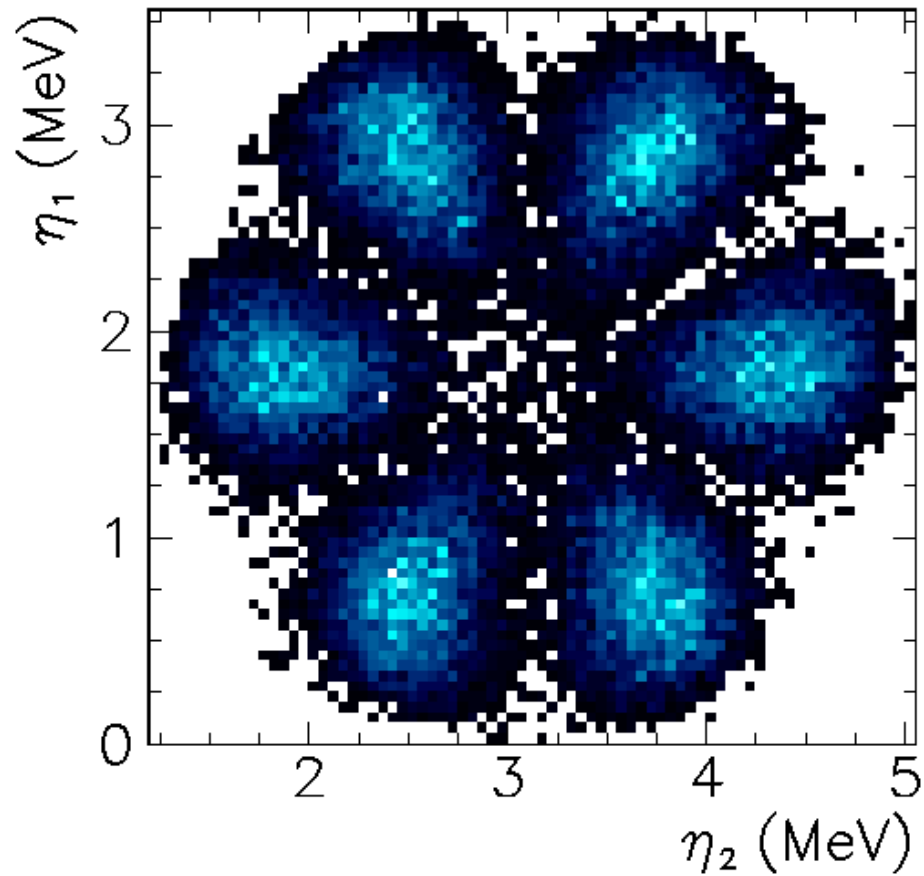


Fred Hoyle, 1953



————— g.s.

Dalitz plot



$$\eta_1 = E_1 \text{ and } \eta_2 = (E_1 + 2E_2)/\sqrt{3}$$