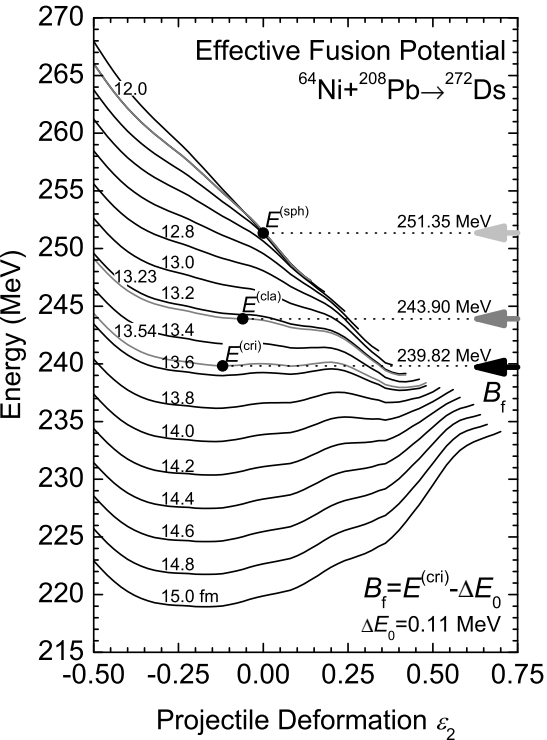
Effective Fusion Potential
^{64}Ni+^{208}Pb→^{272}Ds
12.0
12.8
13.0
13.23
13.2
13.54
13.4
13.6
13.8
14.0
14.2
14.4
14.6
14.8
15.0 fm
$E^{(sph)}$
$E^{(cla)}$
$E^{(cri)}$
251.35 MeV
243.90 MeV
239.82 MeV
B_f
$B_f=E^{(cri)}-\Delta E_0$
ΔE_0=0.11 MeV
Energy (MeV)
Projectile Deformation ε_2
270
265
260
255
250
245
240
235
230
225
220
215
-0.50
-0.25
0.00
0.25
0.50
0.75