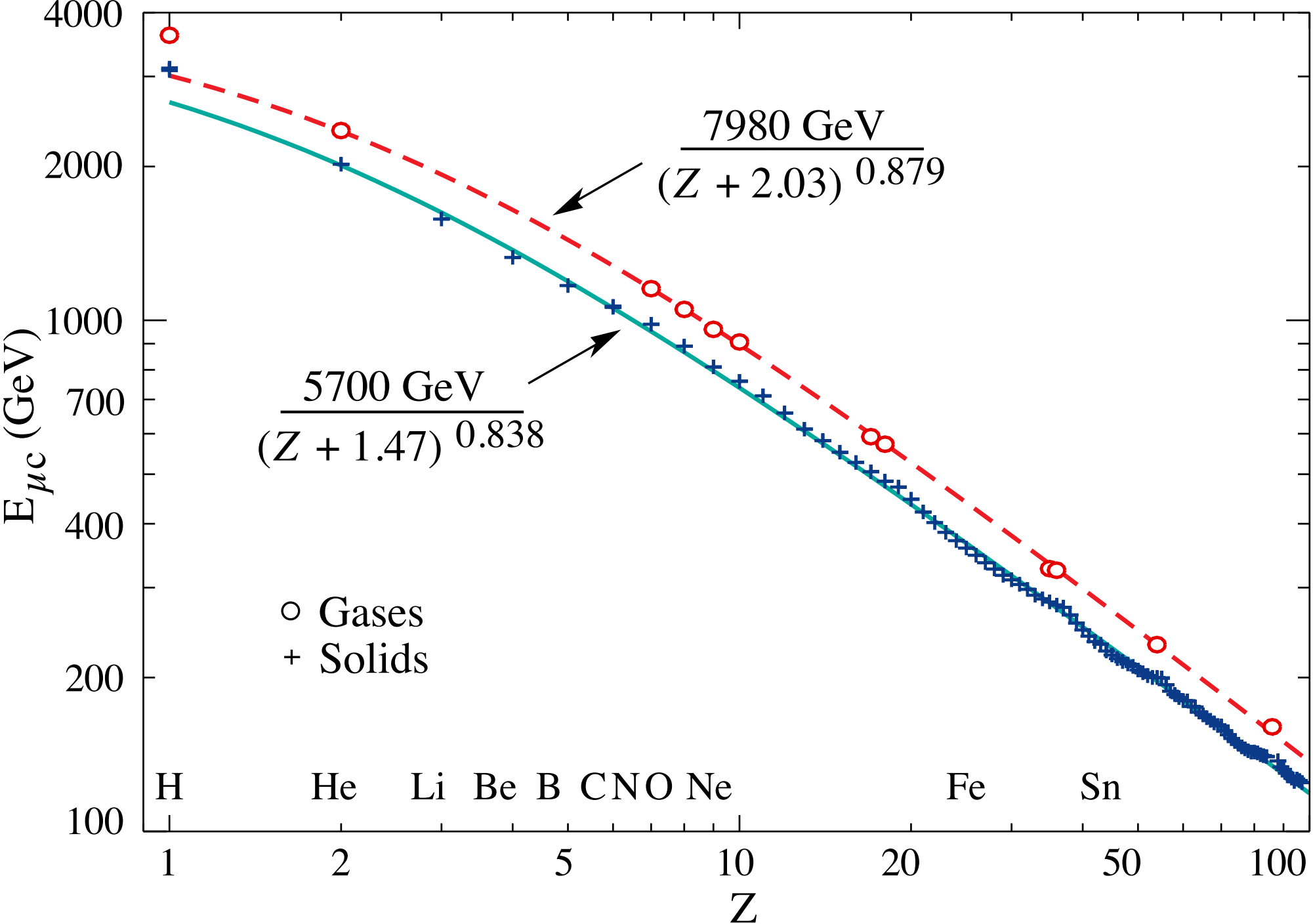
4000
2000
1000
700
400
200
100
$E_{\mu c}$ (GeV)
$\frac{7980 \text{ GeV}}{(Z + 2.03)^{0.879}}$
$\frac{5700 \text{ GeV}}{(Z + 1.47)^{0.838}}$
Gases
Solids
H
He
Li
Be
B
C
N
O
Ne
Fe
Sn
1
2
5
10
20
50
100
Z