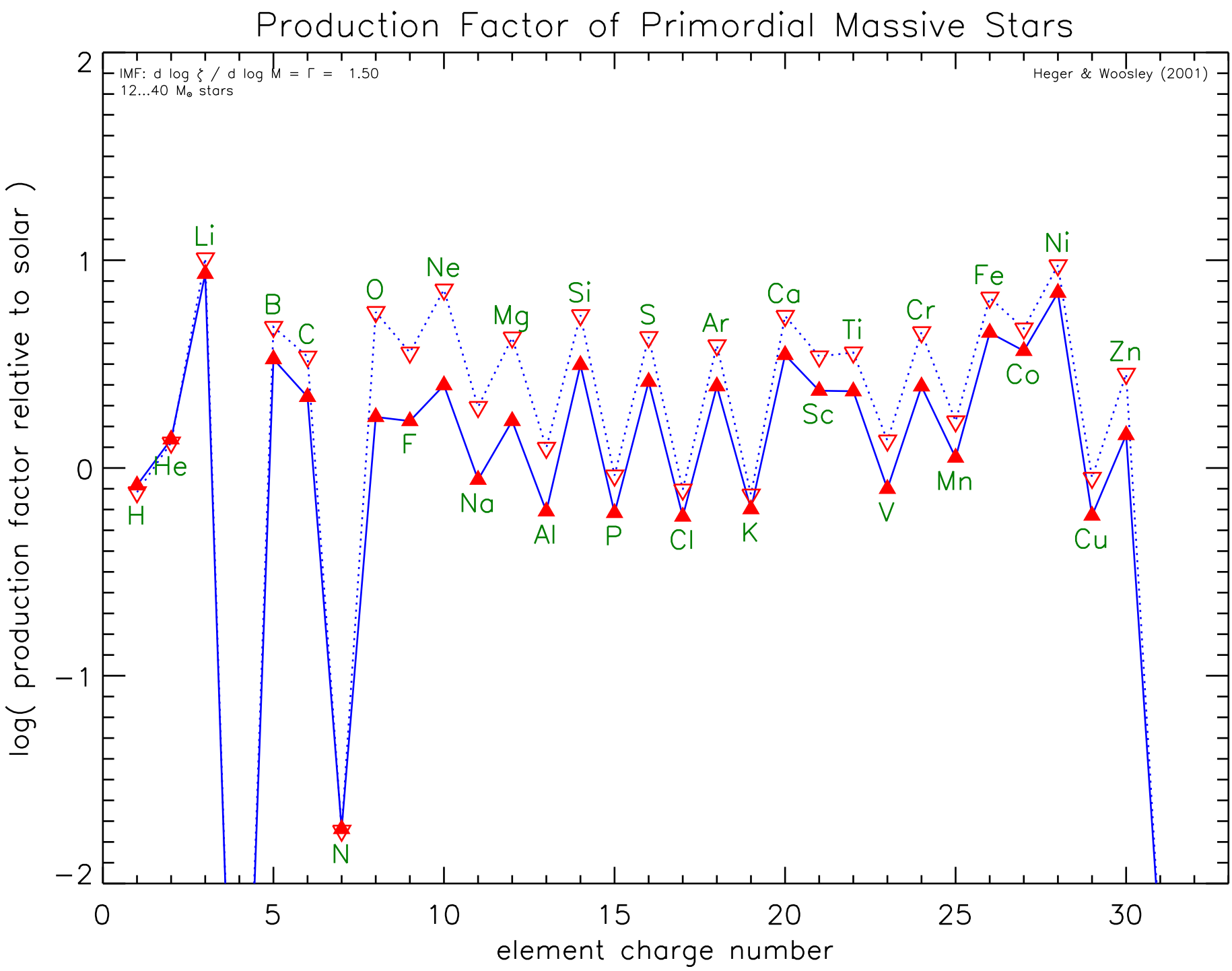
Production Factor of Primordial Massive Stars
IMF: d log ζ / d log M = Γ = 1.50
12...40 M⊙ stars
Heger & Woosley (2001)
log(production factor relative to solar)
element charge number
H
He
Li
B
C
N
O
F
Ne
Na
Mg
Al
Si
P
S
Cl
Ar
K
Ca
Sc
Ti
V
Cr
Mn
Fe
Co
Ni
Cu
Zn
2
1
0
−1
−2
0
5
10
15
20
25
30