

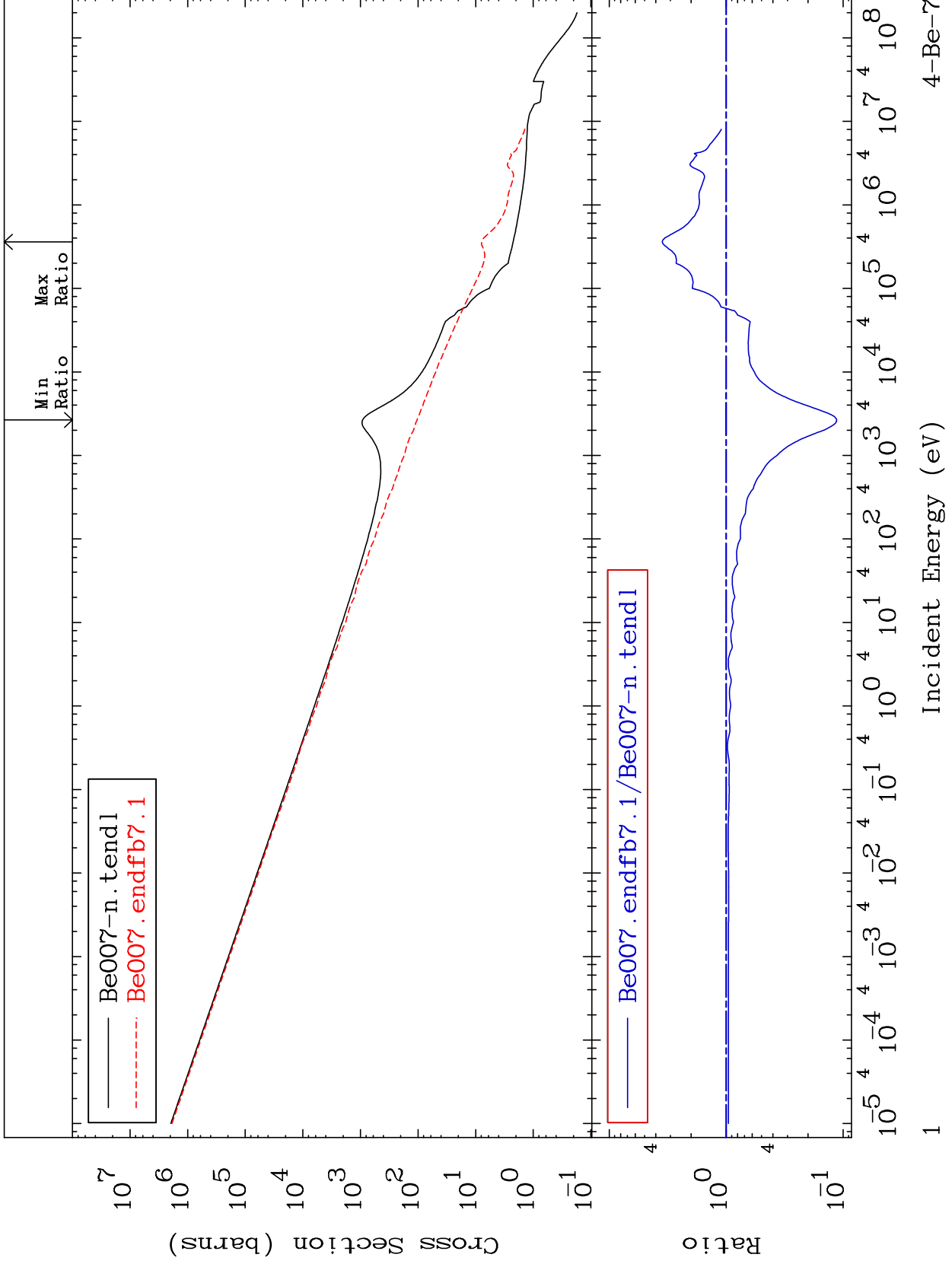
MAT 419

Total

Cross Section

4-Be-7

-88.62 To 252.2 %



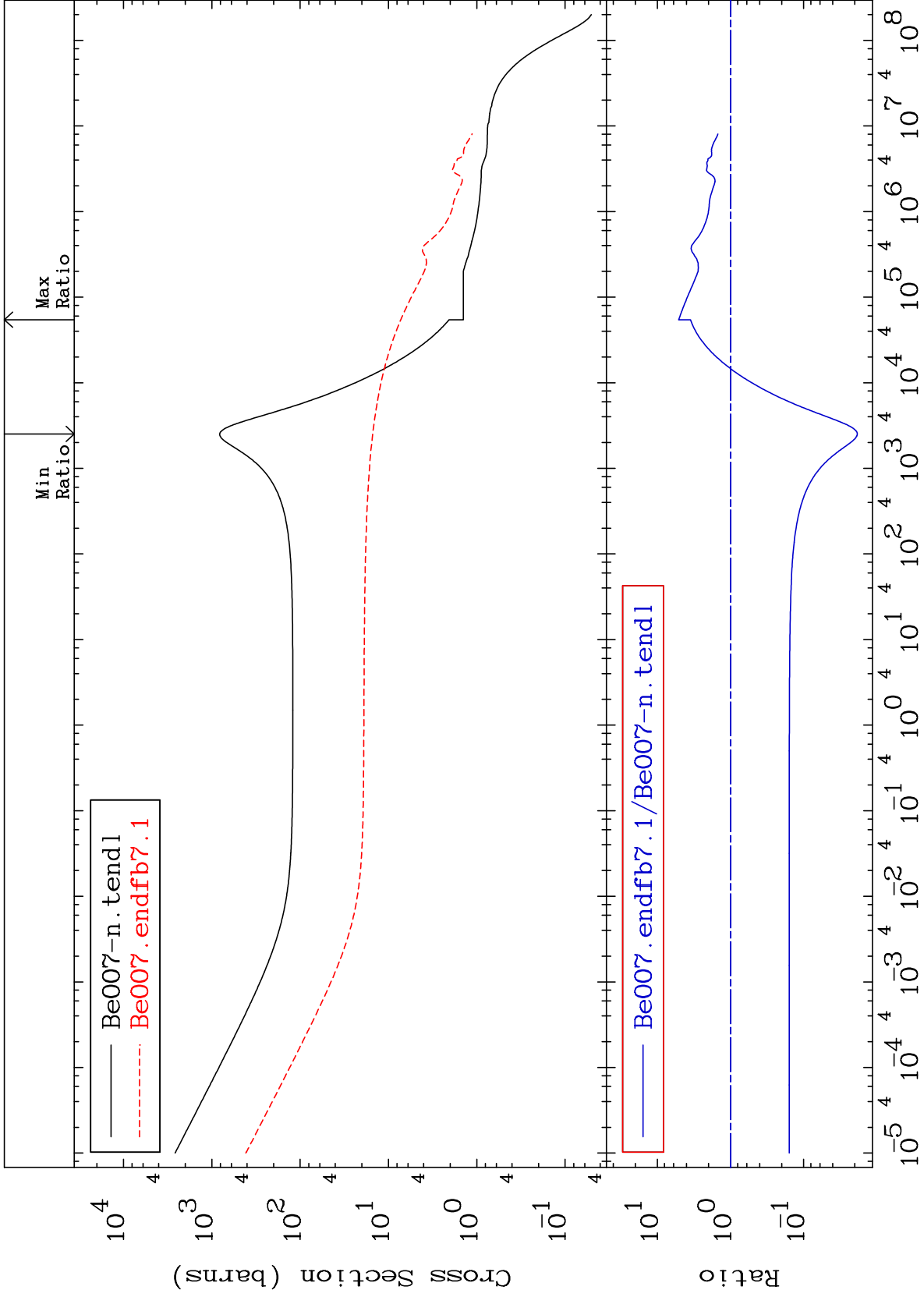
Incident Energy (eV)

4-Be-7

MAT 419

Elastic  
Cross Section

4-Be-7  
-98.15 To 411.7 %



Incident Energy (eV)

4-Be-7

MAT 419

(n,p)

Cross Section

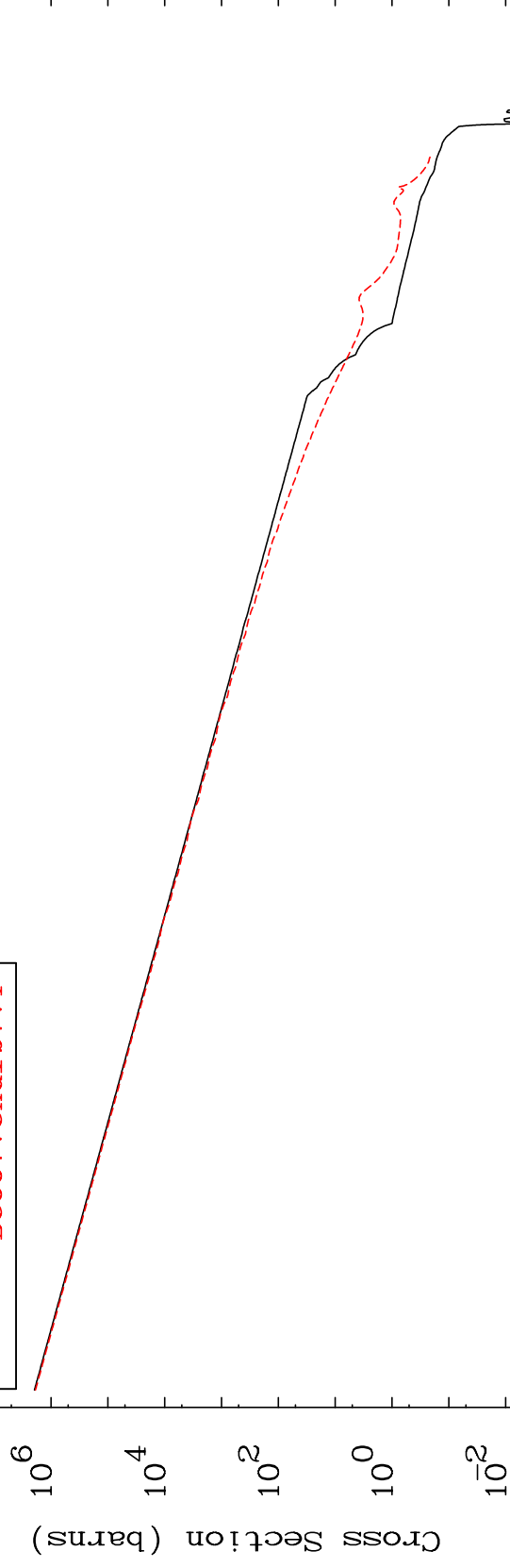
4-Be-7

-58.65 To 372.9 %

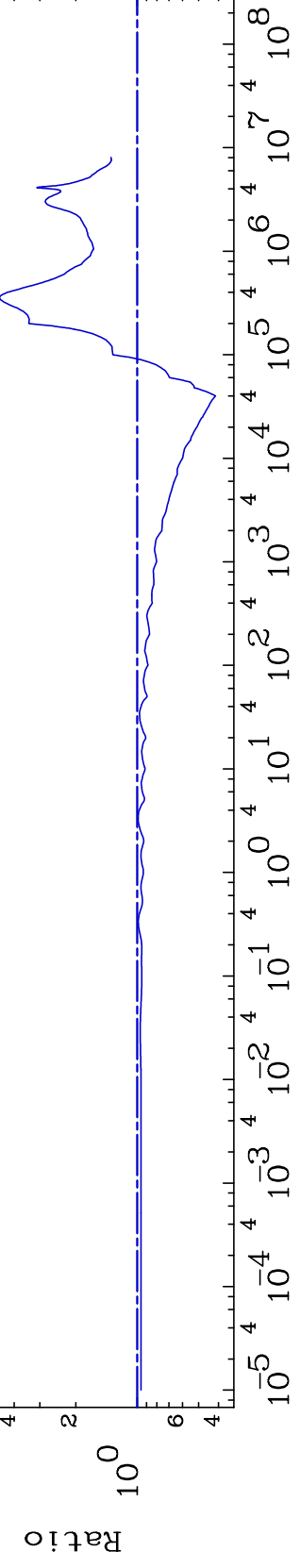
Min Ratio

Max Ratio

— Be007-n.tendl  
- - - Be007.endfb7.1



— Be007.endfb7.1/Be007-n.tendl



Incident Energy (eV)

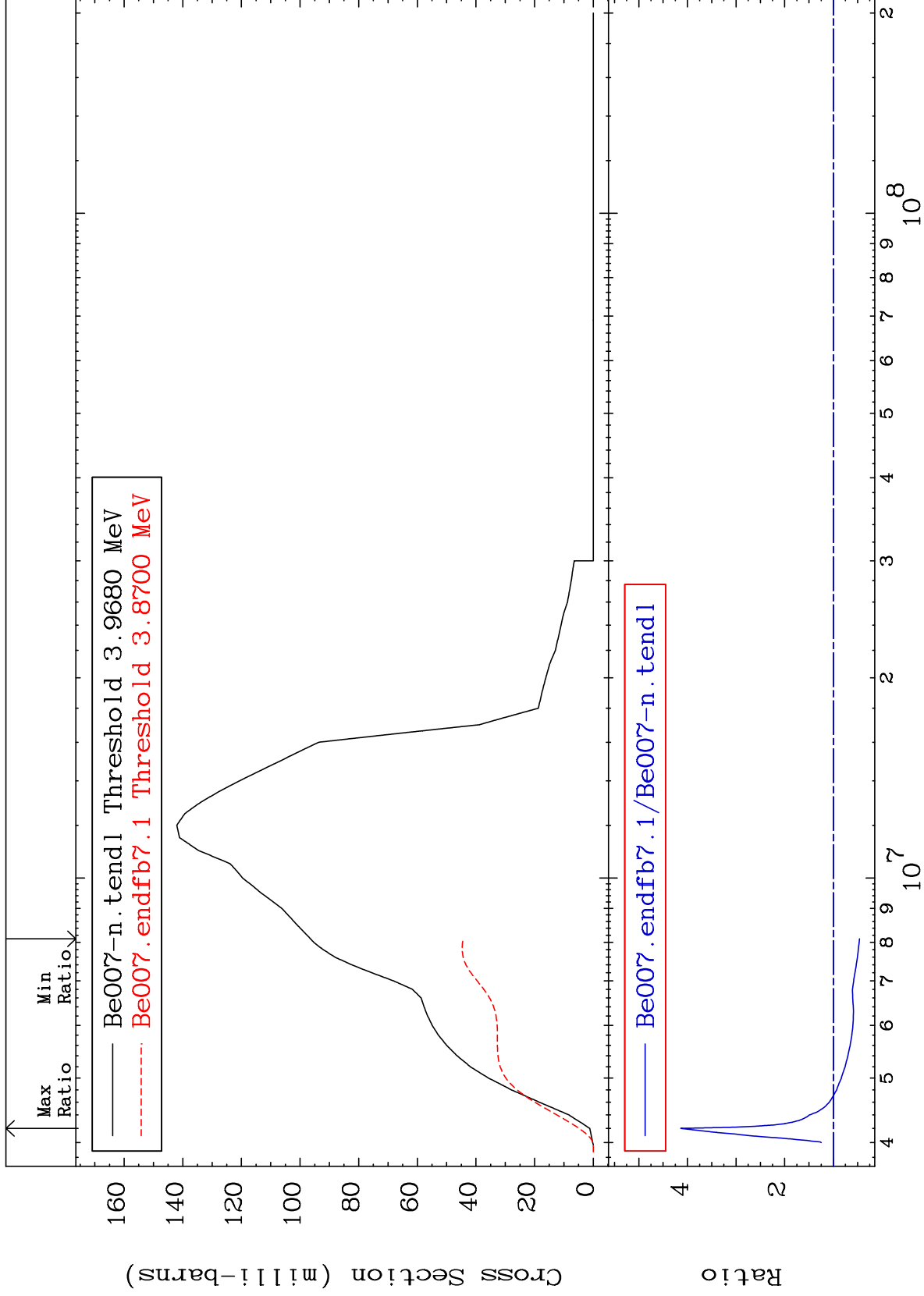
4-Be-7

3

MAT 419

(n, d)  
Cross Section

4-Be-7  
-53.98 To 313.7 %



4

Incident Energy (eV)

4-Be-7

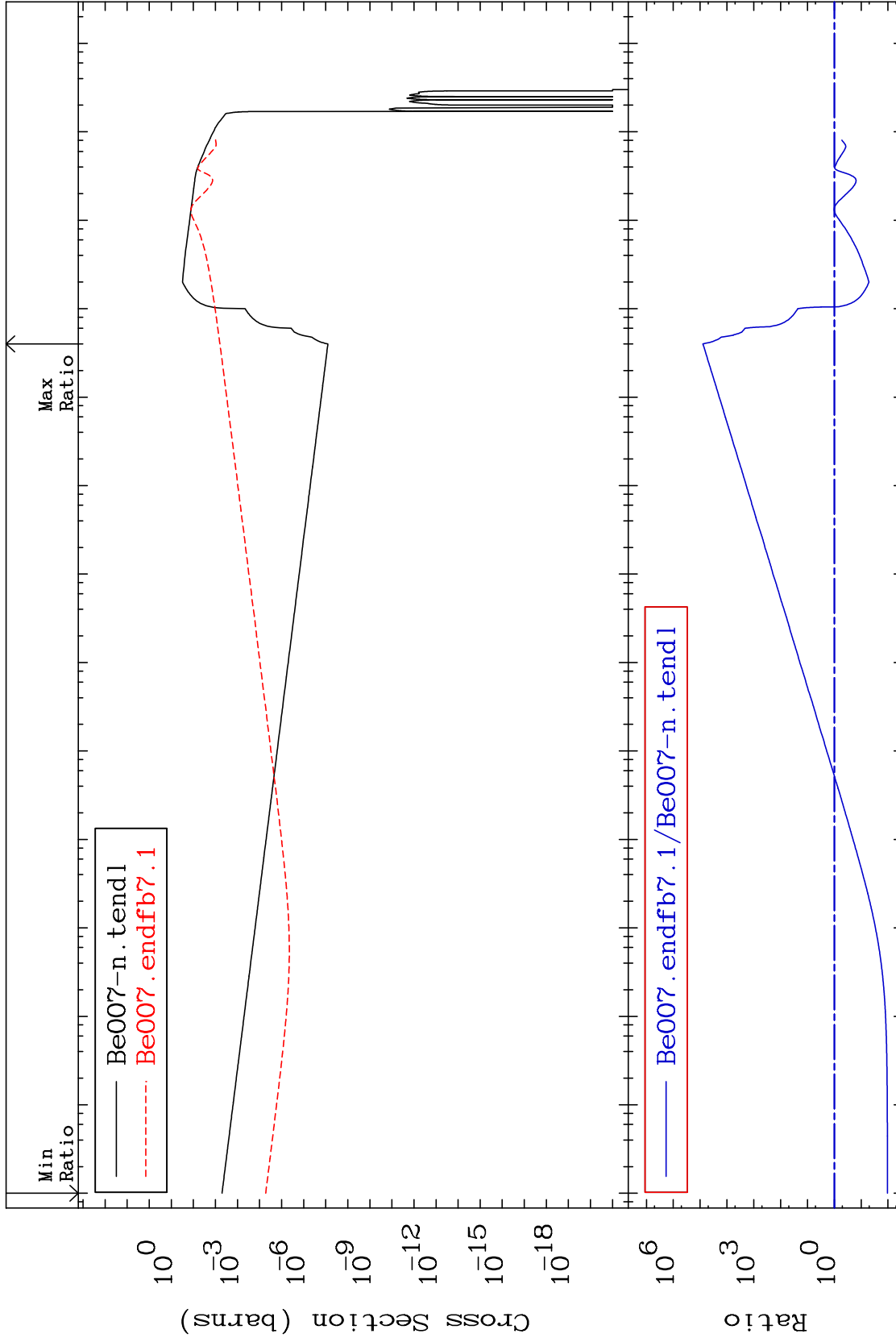
MAT 419

(n,  $\alpha$ )

4-Be-7

Cross Section

-98.95 To 9999. %



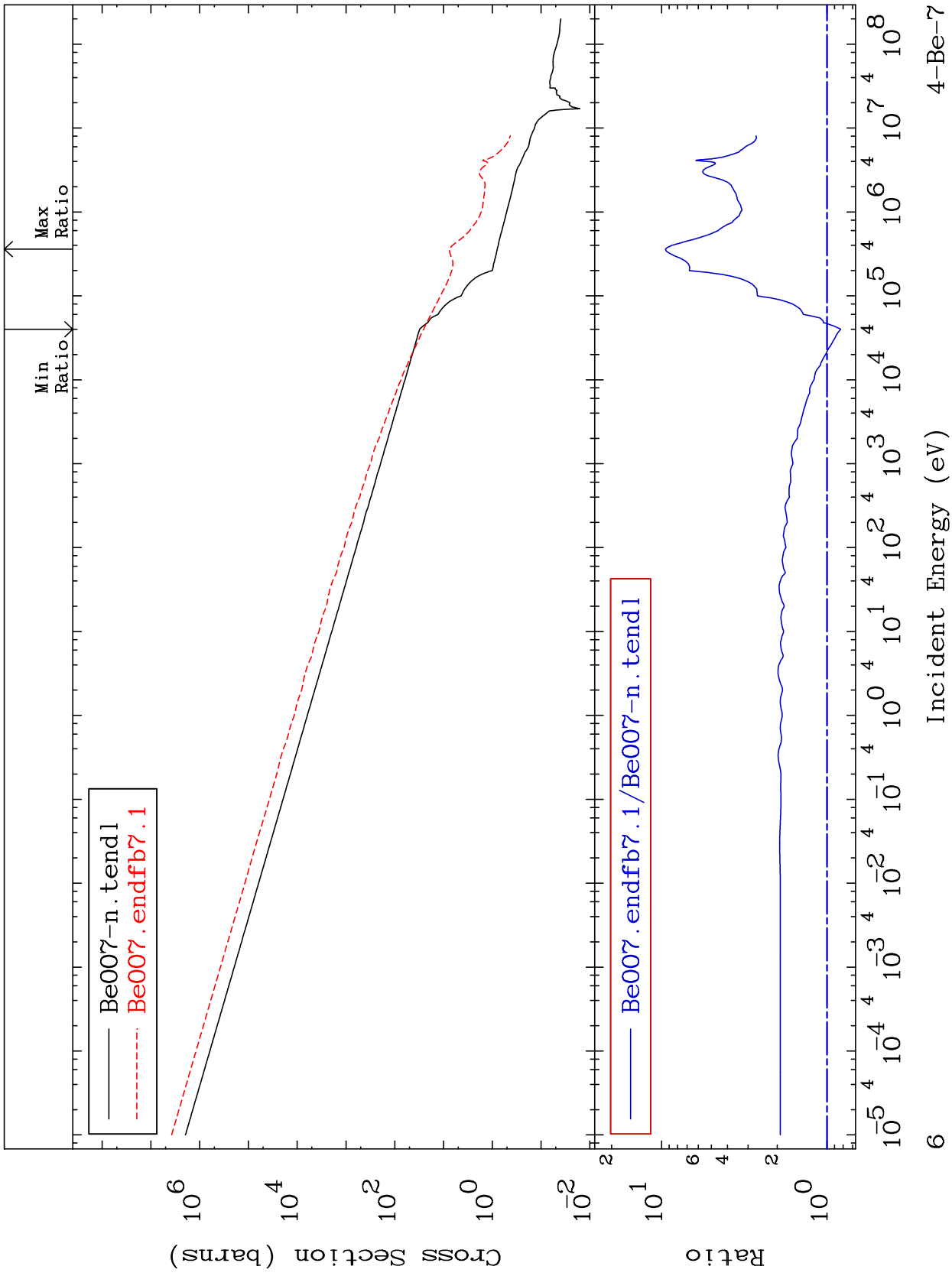
5

4-Be-7

MAT 419

### Hydrogen Production Cross Section

4-Be-7  
-17.30 To 845.9 %

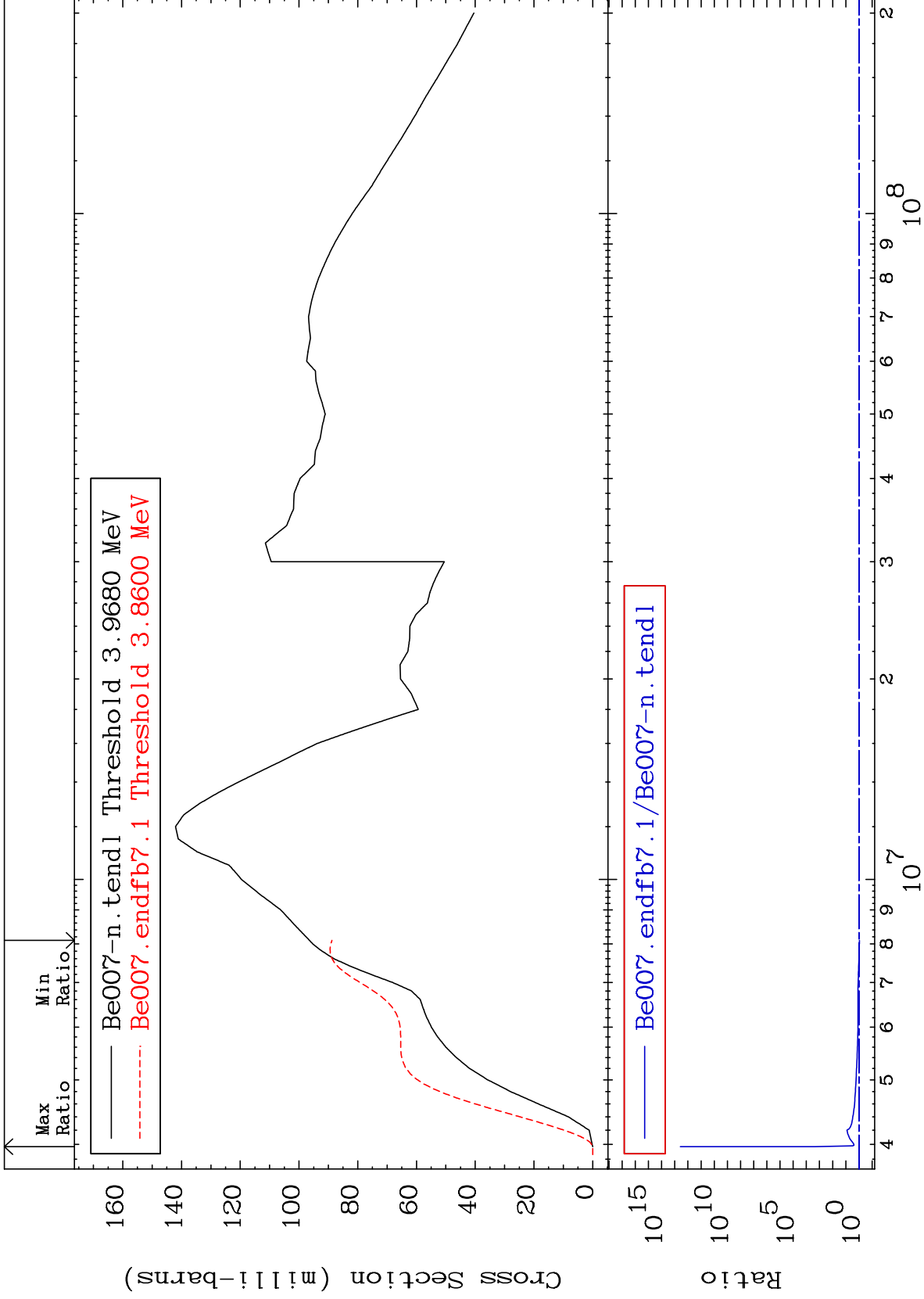


4-Be-7

MAT 419

### Deuterium Production Cross Section

4-Be-7  
-7.958 To 9999. %



7

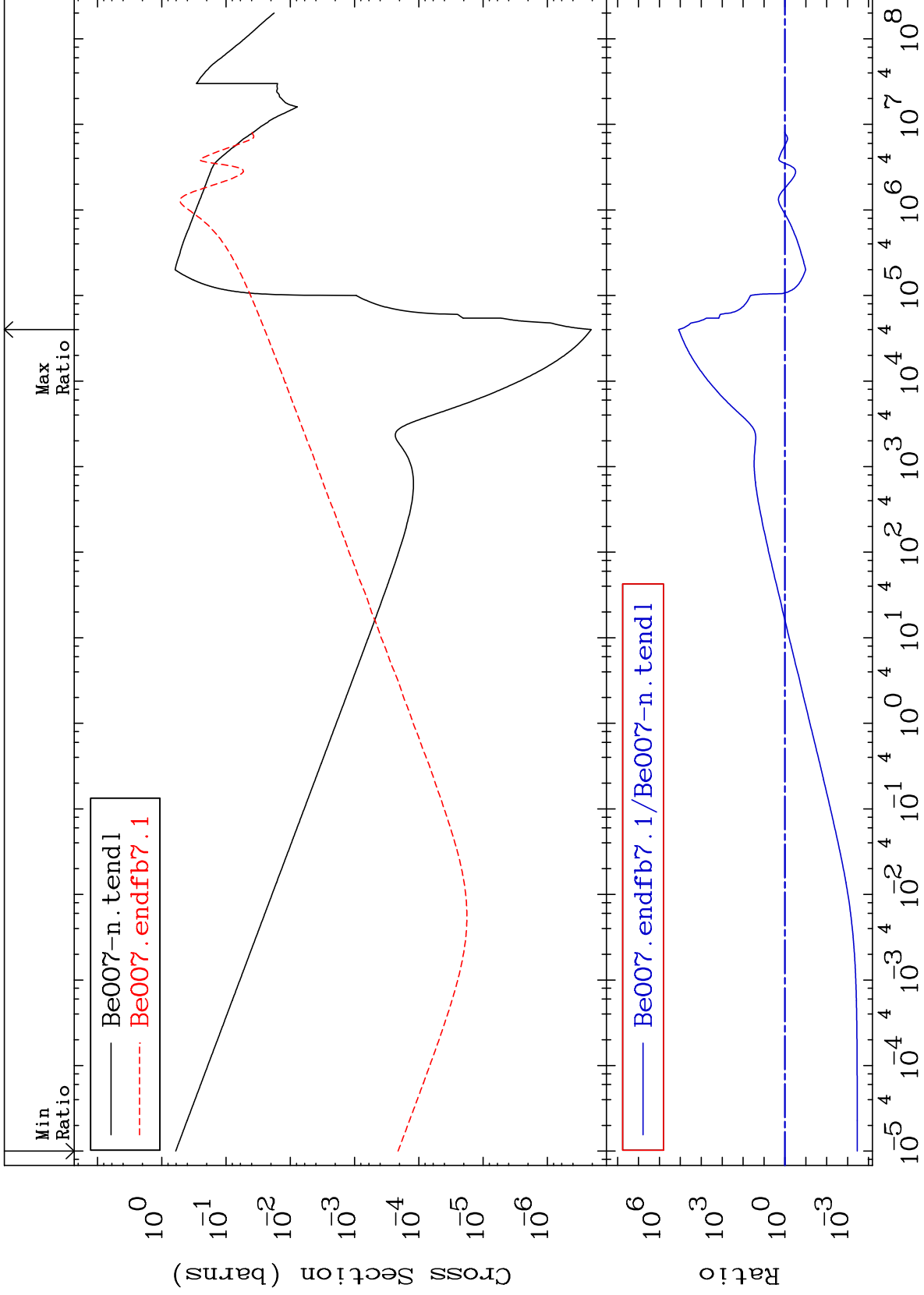
Incident Energy (eV)

4-Be-7

MAT 419

He-4 Production  
Cross Section

4-Be-7  
-99.97 To 9999. %

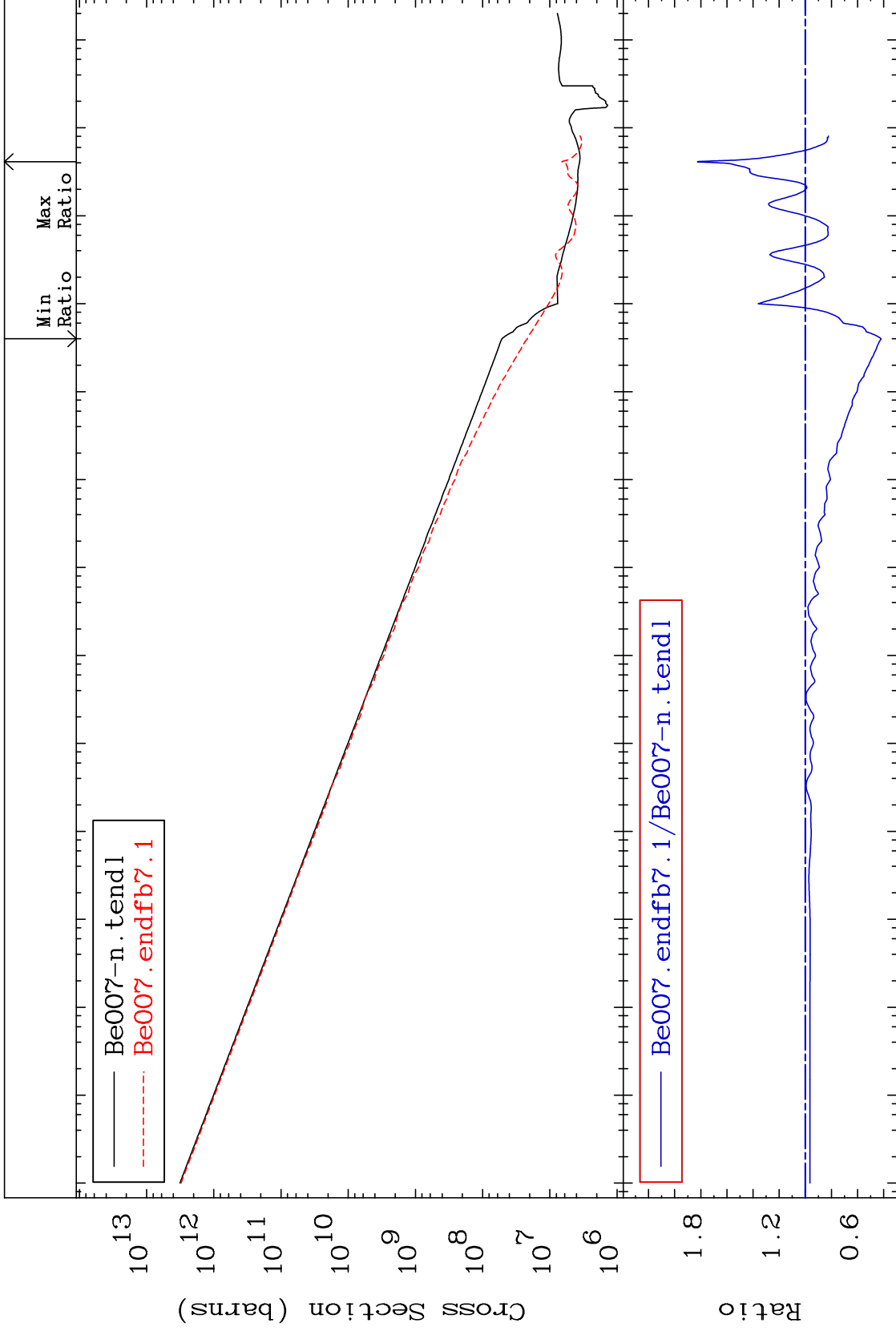




MAT 419

Kerma total (eV-barns)  
Cross Section

4-Be-7  
-58.04 To 82.52 %



9

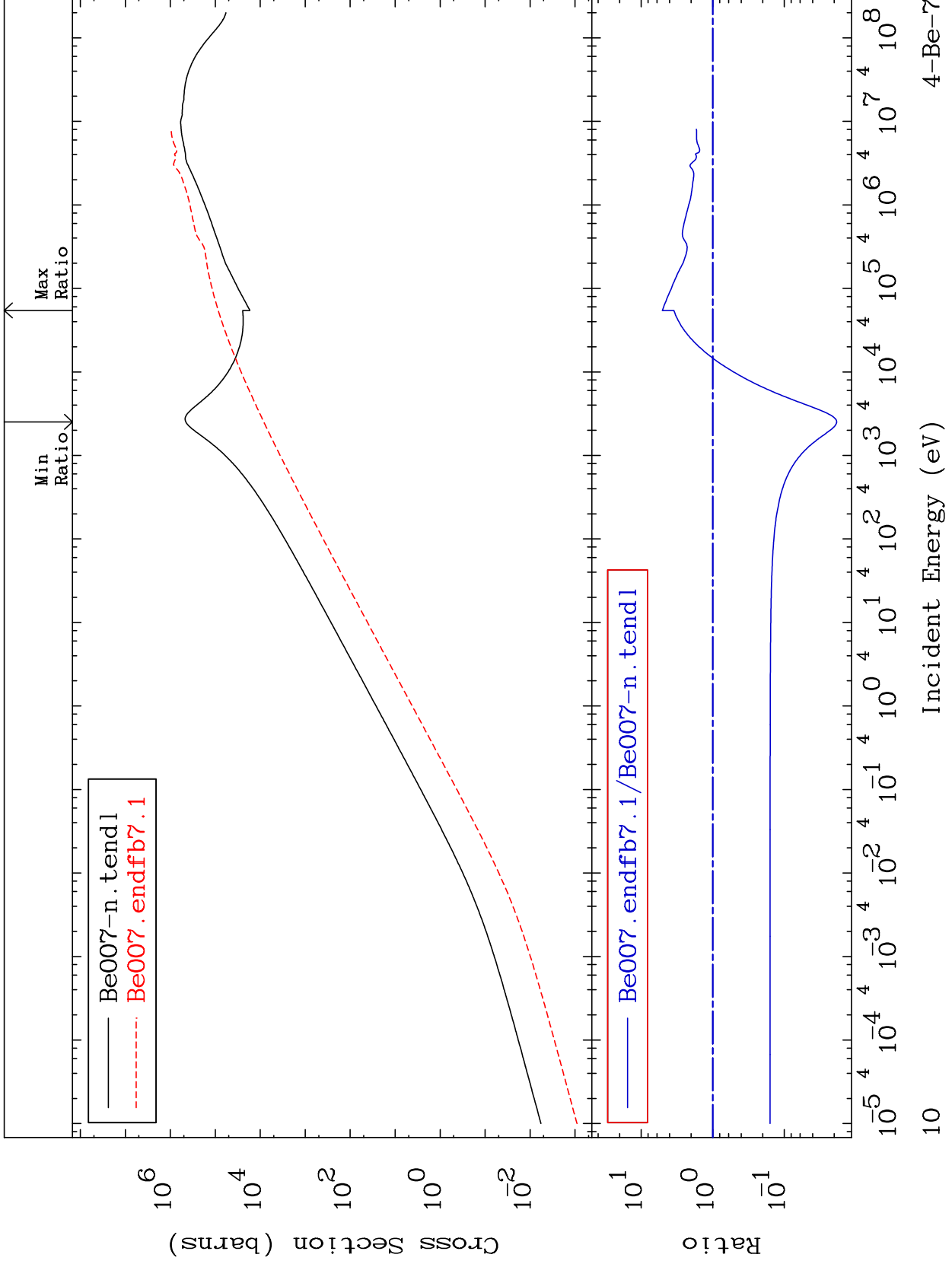
Incident Energy (eV)

4-Be-7

MAT 419

Kerma elastic  
Cross Section

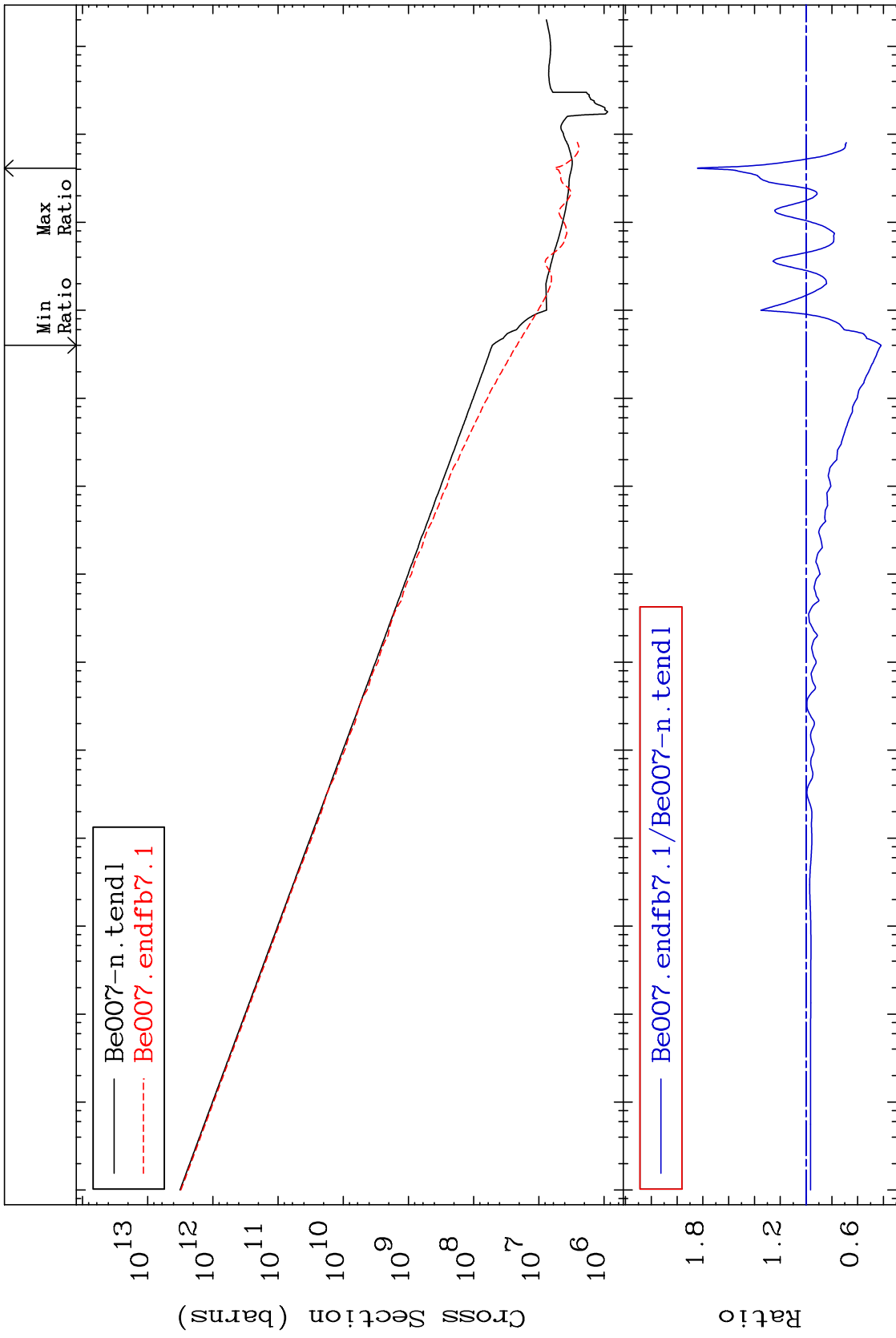
4-Be-7  
-98.15 To 406.4 %



MAT 419

Kerma non-elastic (all but mt2)  
Cross Section

4-Be-7  
-58.16 To 84.18 %



11

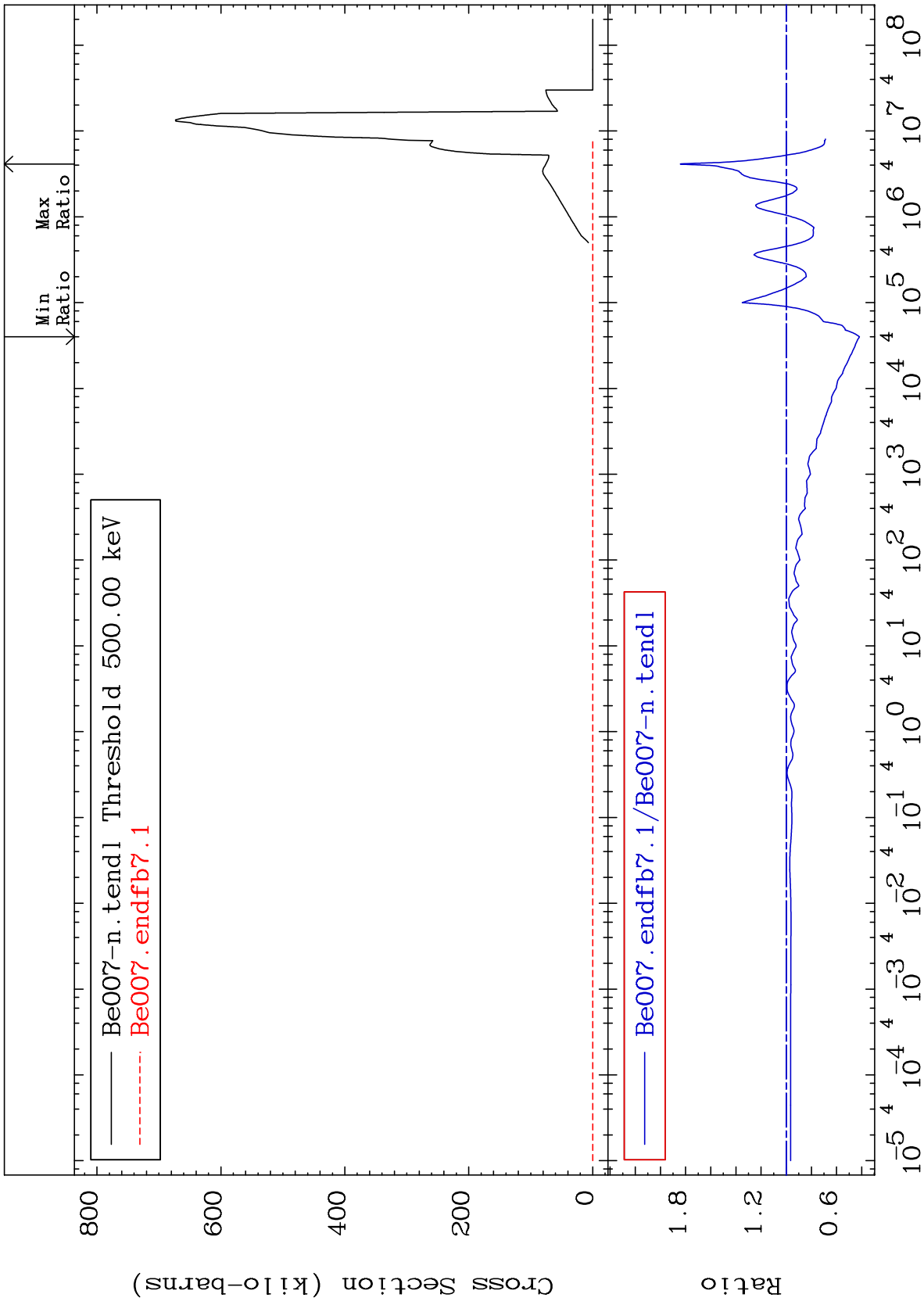
Incident Energy (eV)

4-Be-7

MAT 419

Kerma inelastic (mt51-91)  
Cross Section

4-Be-7  
-58.16 To 84.18 %



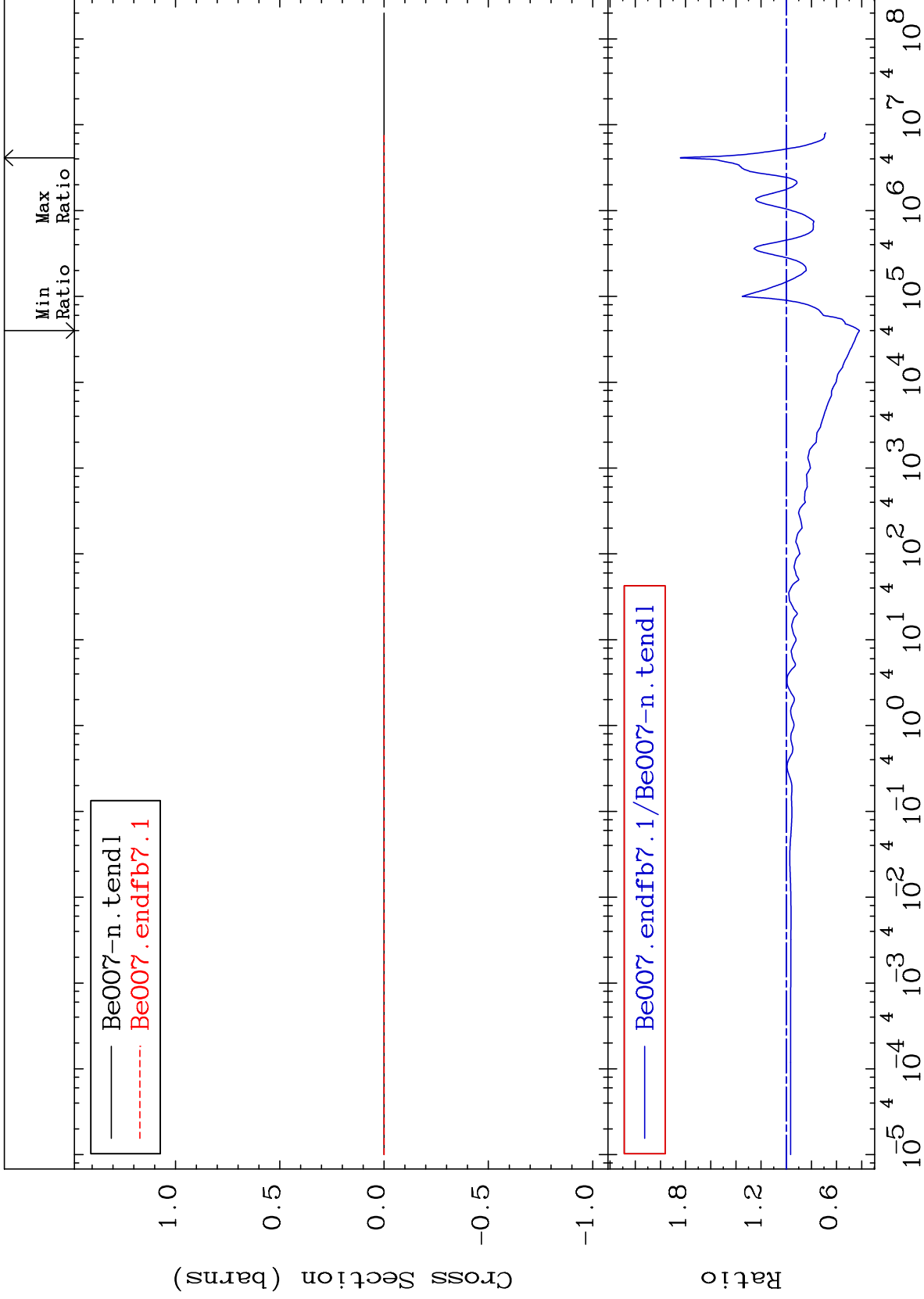
Incident Energy (eV)

4-Be-7

MAT 419

Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

4-Be-7  
-58.16 To 84.18 %



Incident Energy (eV)

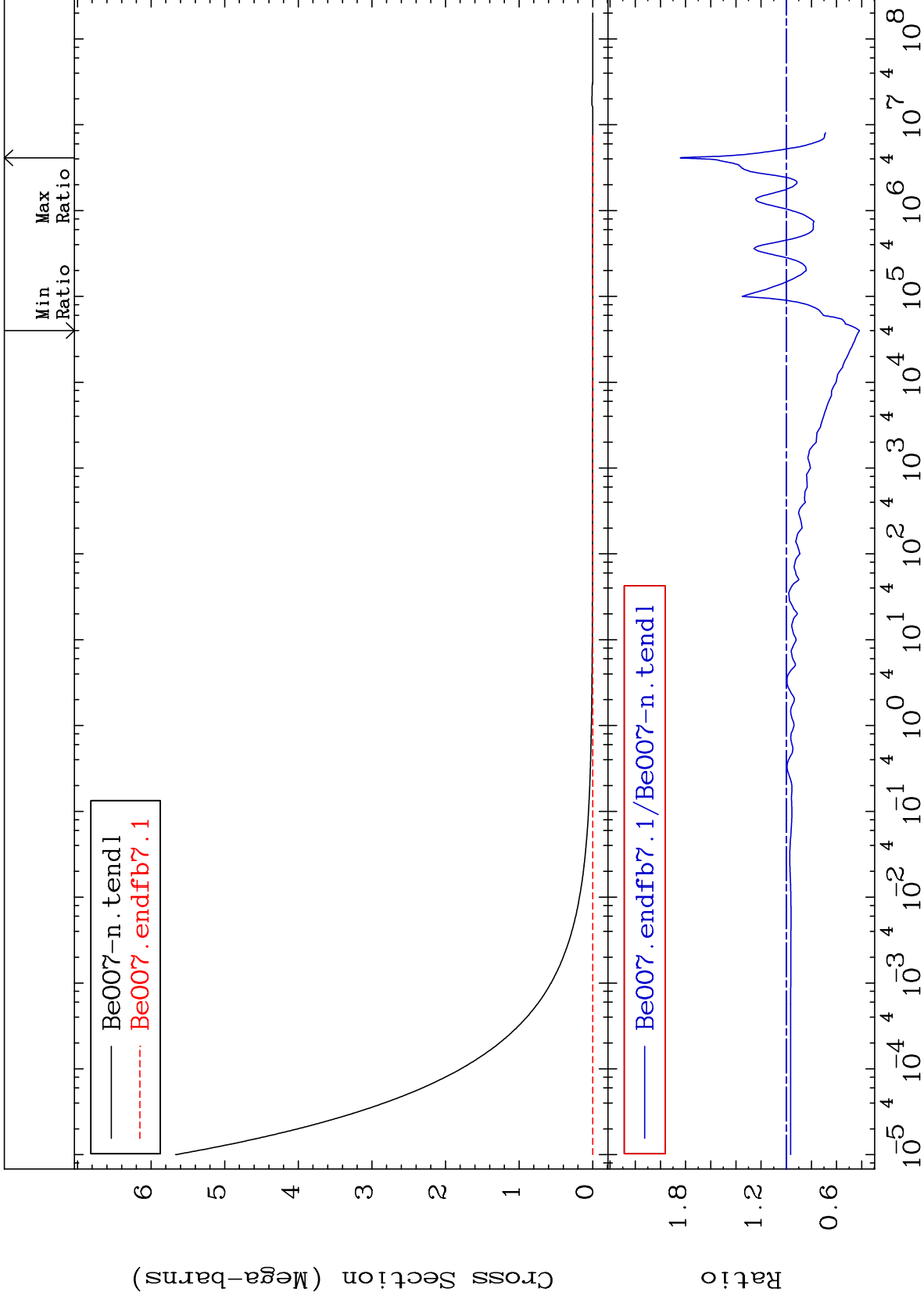
4-Be-7

13

MAT 419

Kerma capture (mt102)  
Cross Section

4-Be-7  
-58.16 To 84.18 %



14

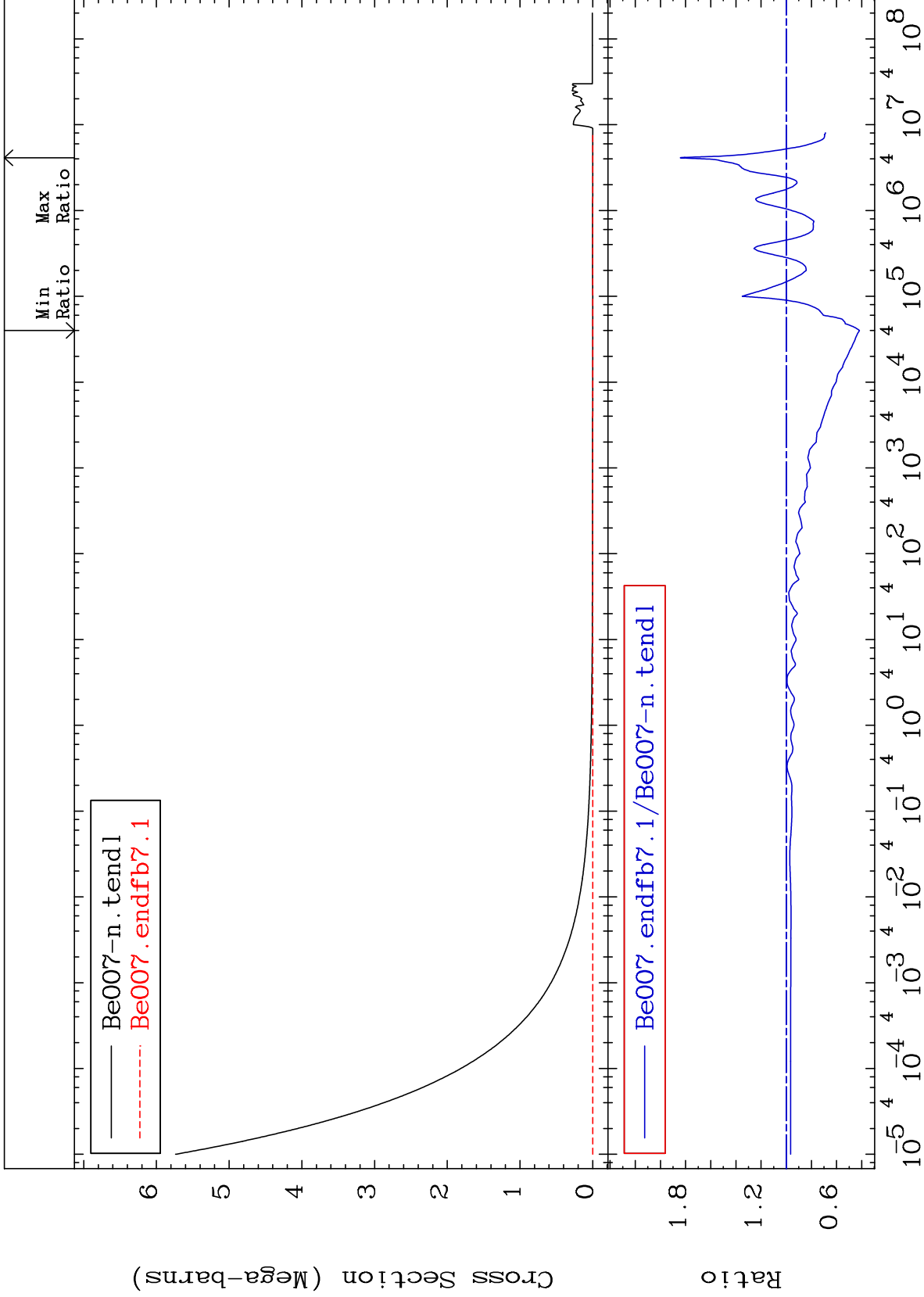
Incident Energy (eV)

4-Be-7

MAT 419

Total photon (eV-barns)  
Cross Section

4-Be-7  
-58.16 To 84.18 %



Incident Energy (eV)

4-Be-7

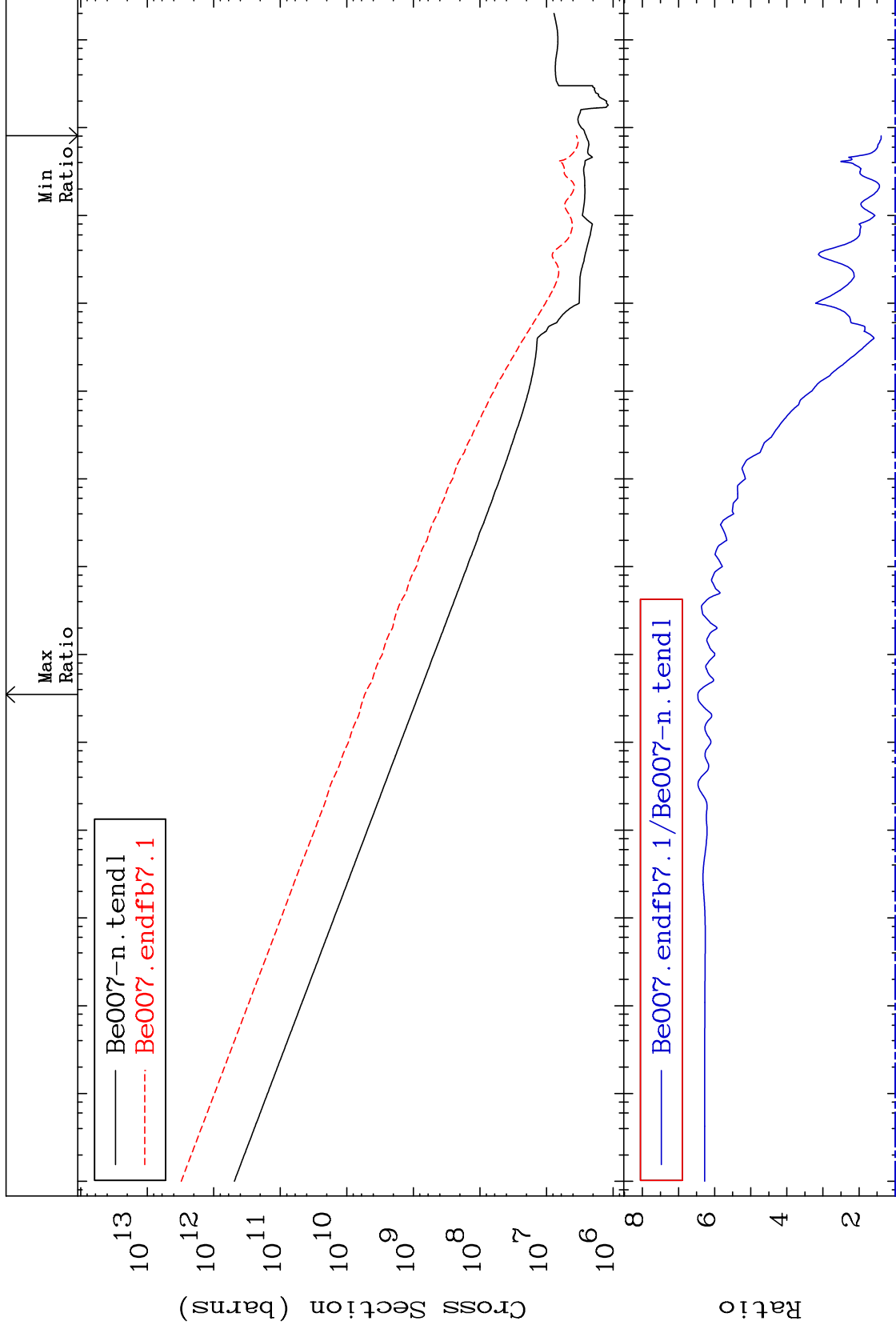
MAT 419

Total kinematic kerma (high limit)

4-Be-7

Cross Section

38.83 To 546.4 %



Incident Energy (eV)

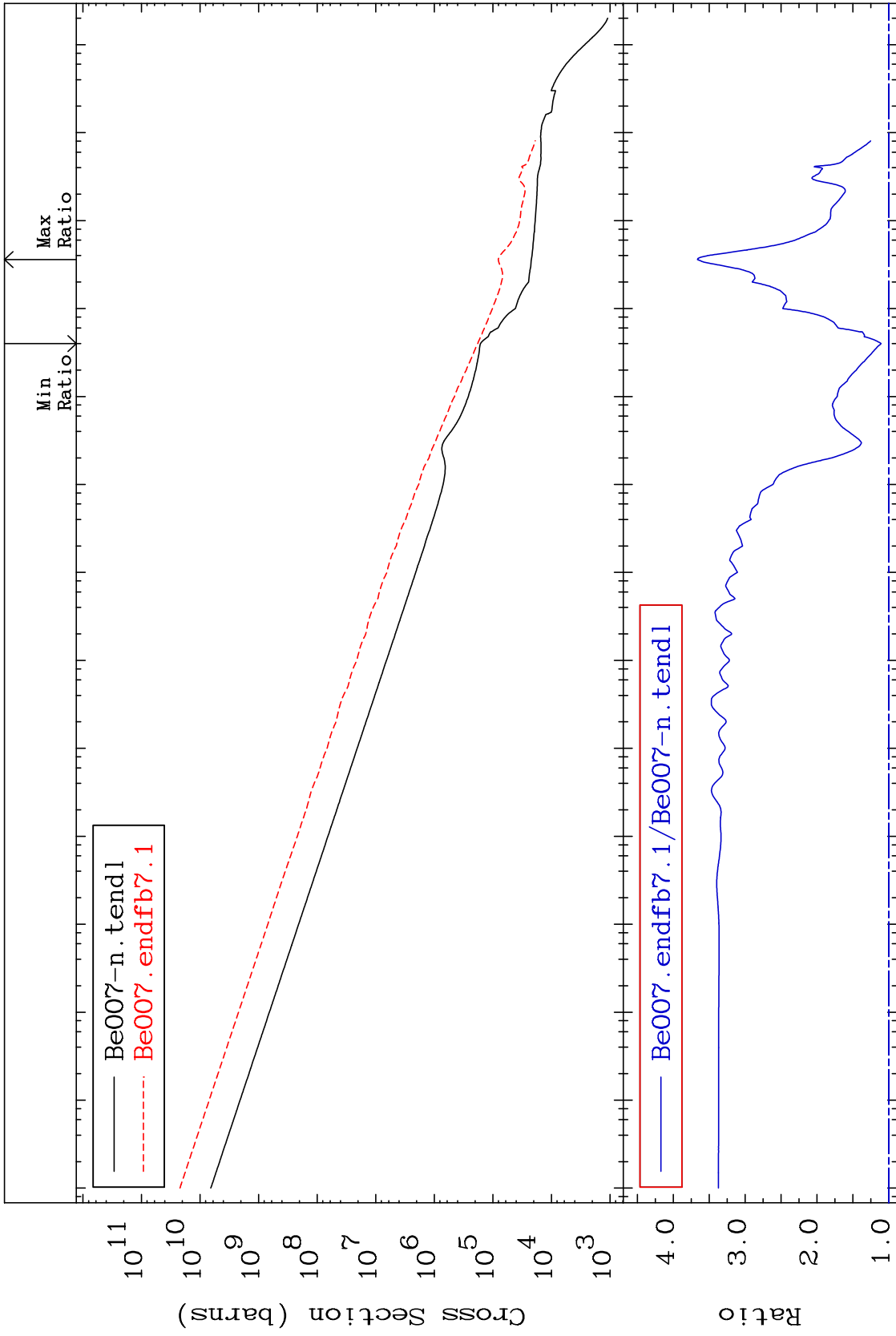
4-Be-7



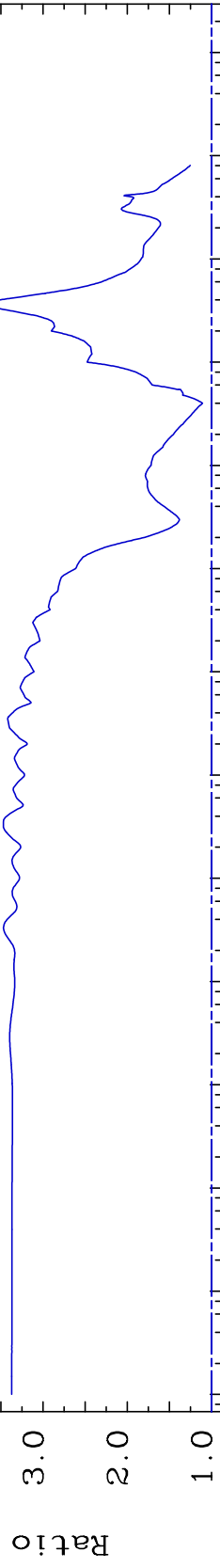
MAT 419

Dpa total (eV-barns)  
Cross Section

10.64 To 266.3 %  
4-Be-7



Be007.endfb7.1/Be007-n.tendl



Incident Energy (eV)

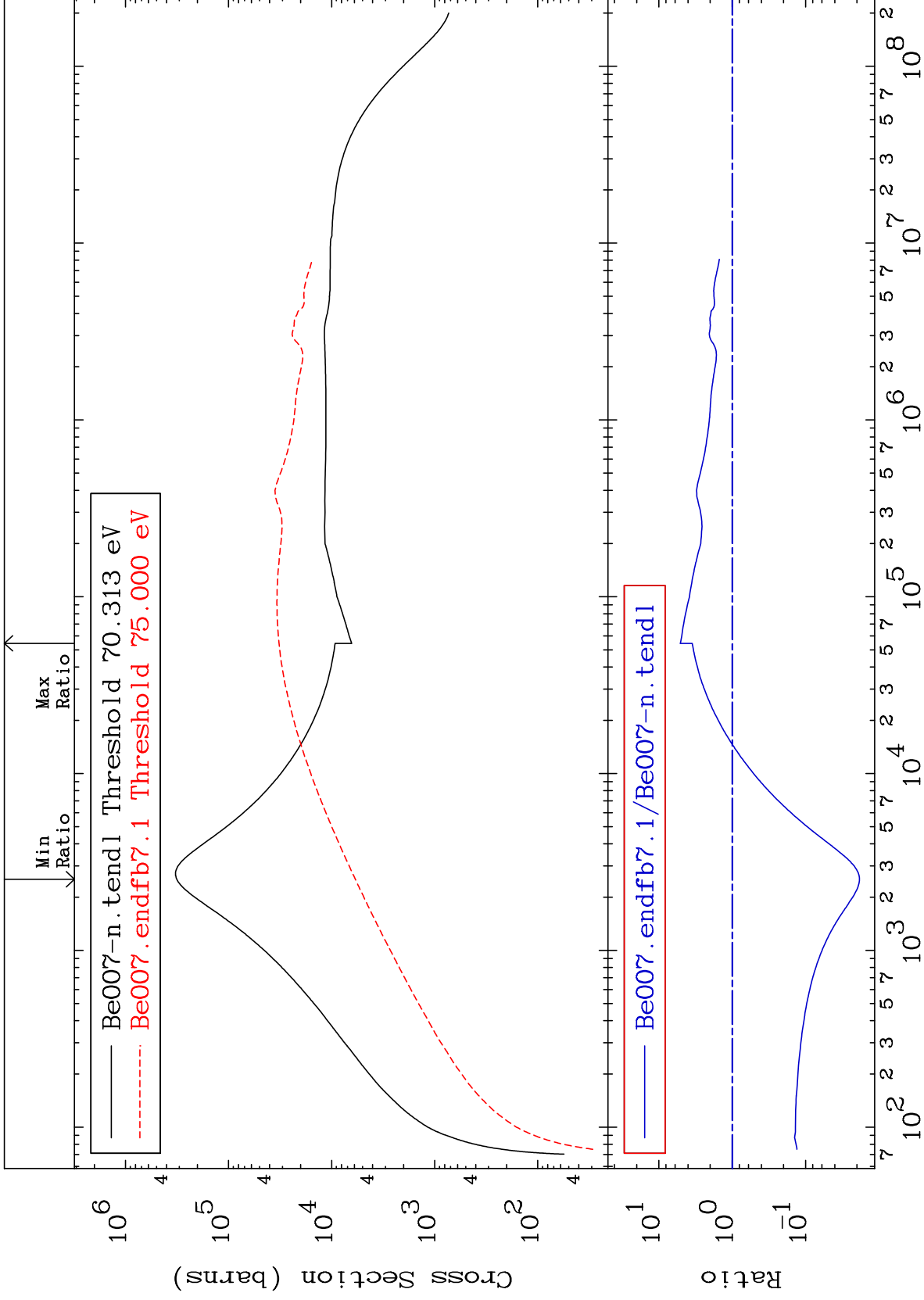
4-Be-7

17

MAT 419

Dpa elastic (mt2)  
Cross Section

4-Be-7  
-98.15 To 407.8 %



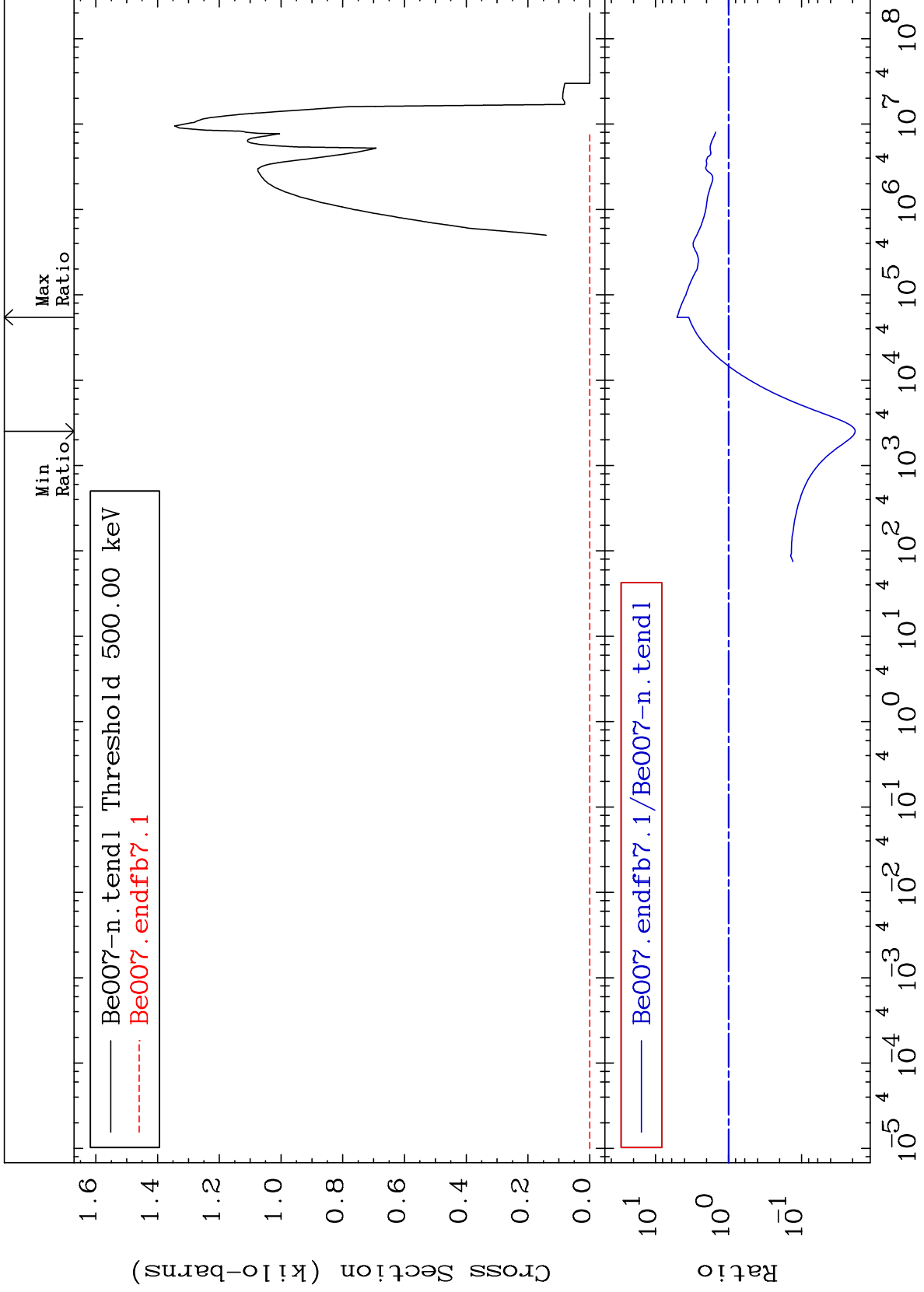
18

4-Be-7

MAT 419

Dpa inelastic (mt51-91)  
Cross Section

4-Be-7  
-98.15 To 407.8 %



19

Incident Energy (eV)

4-Be-7

MAT 419

Dpa disappearance (mt102 -120)  
Cross Section

4-Be-7  
-6.438 To 342.3 %

