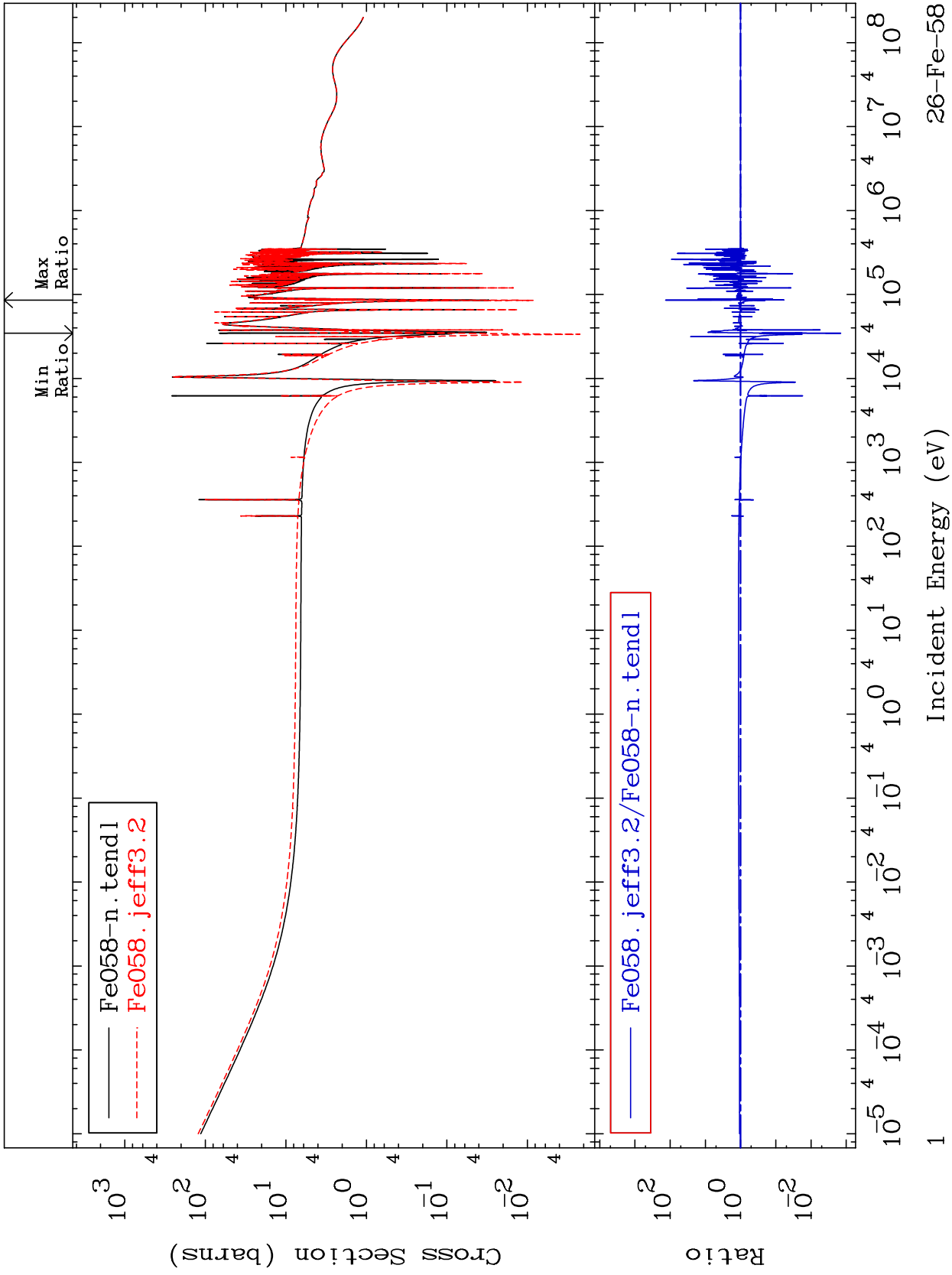


MAT 2637

Total  
Cross Section

26-Fe-58  
-99.86 To 9999. %



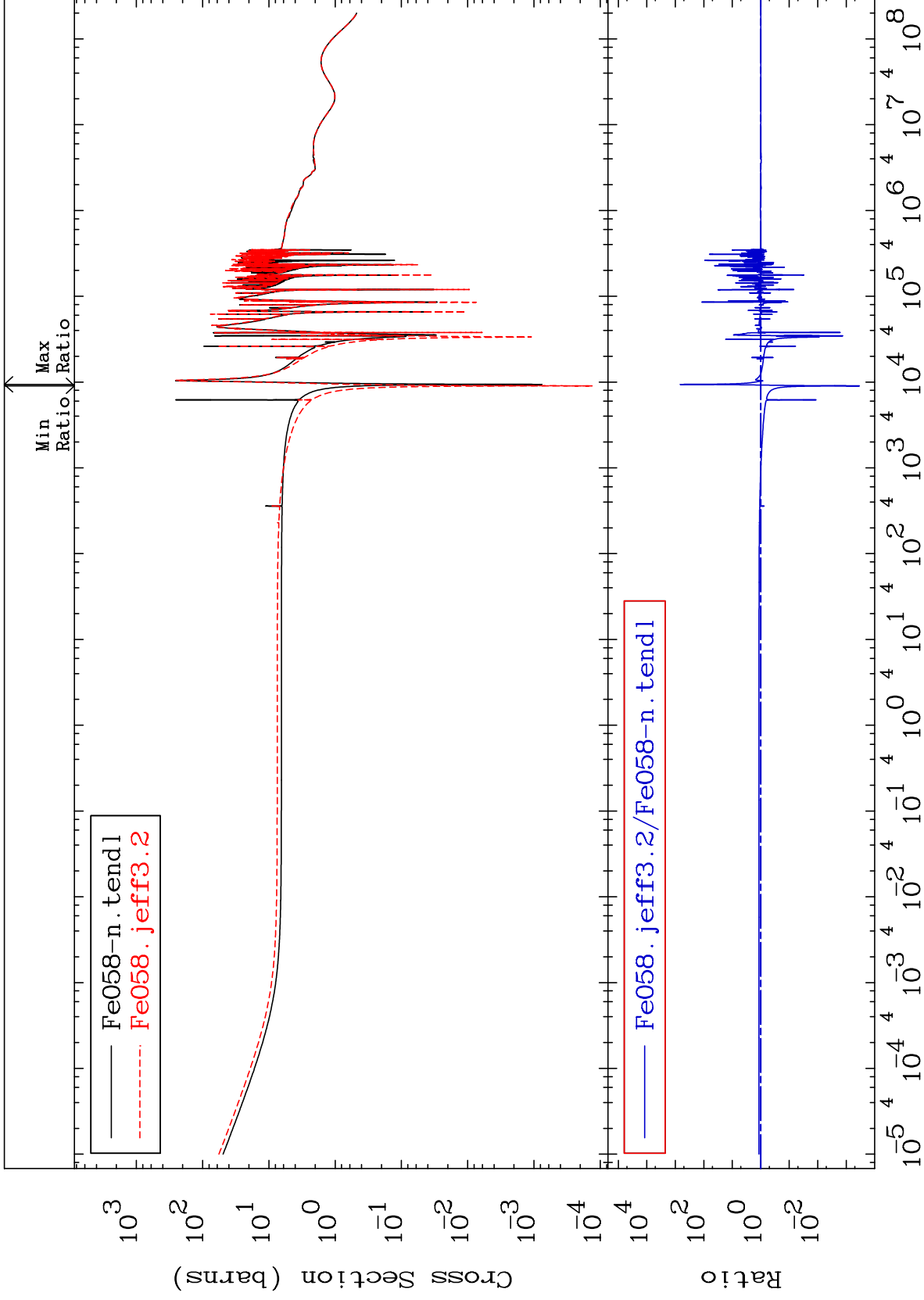
Incident Energy (eV)

26-Fe-58

MAT 2637

Elastic  
Cross Section

26-Fe-58  
-99.97 To 9999. %



Incident Energy (eV)

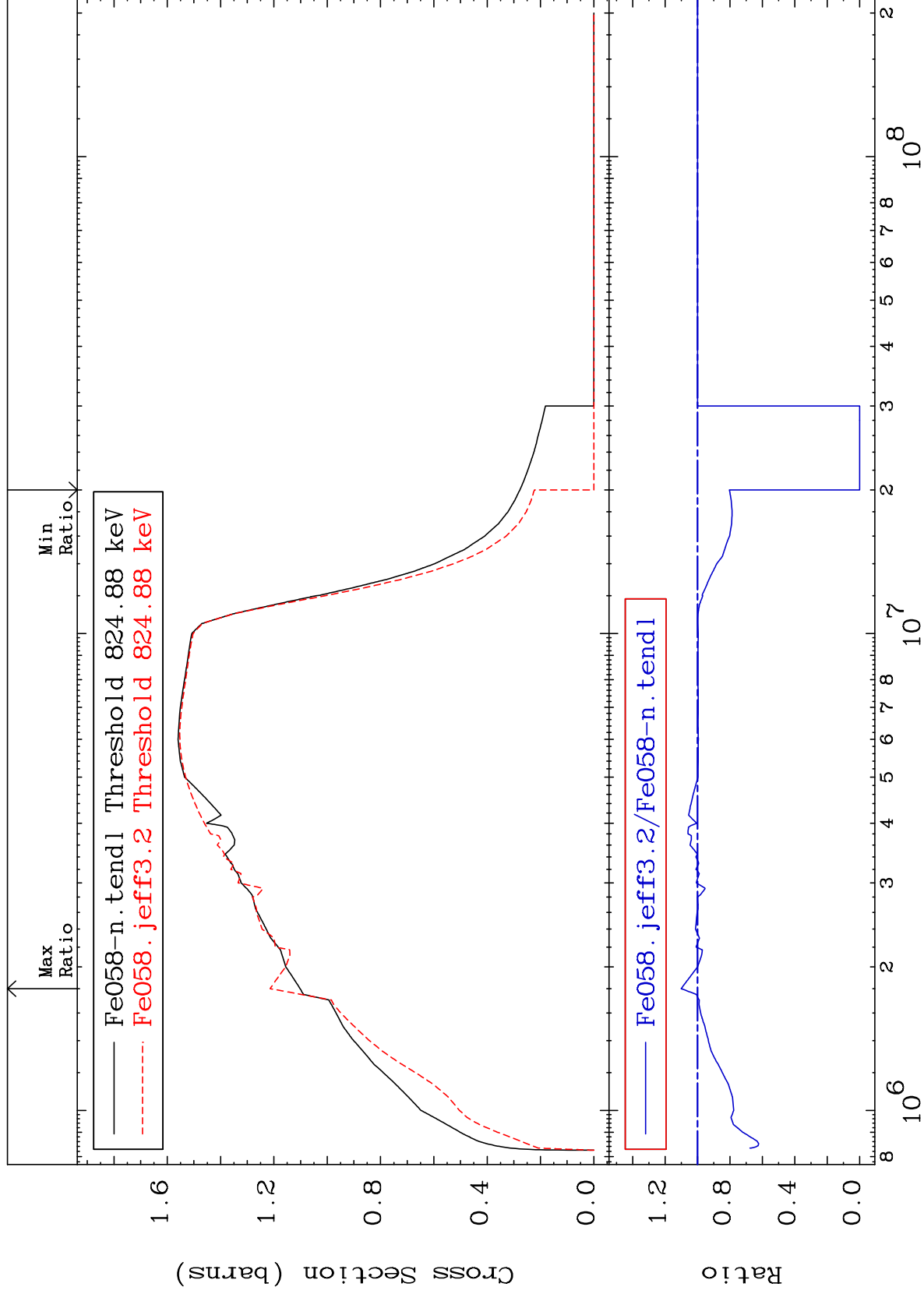
26-Fe-58

2

MAT 2637

Inelastic  
Cross Section

<sup>26</sup>Fe-58  
-100.0 To 10.14 %



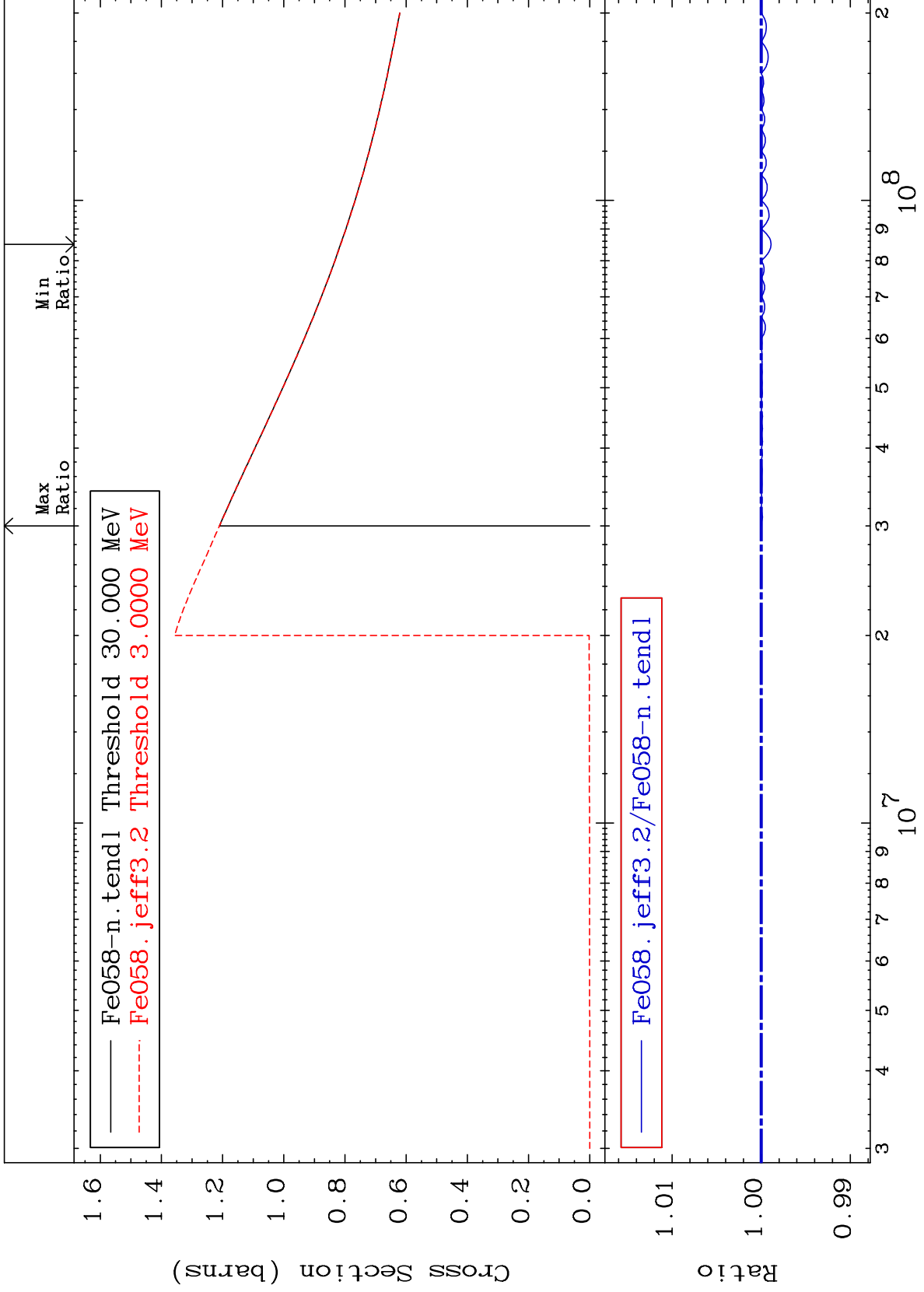
Incident Energy (eV)

<sup>26</sup>Fe-58

MAT 2637

(n, remainder)  
Cross Section

26-Fe-58  
-0.111 To 0.004 %



Incident Energy (eV)

26-Fe-58

4

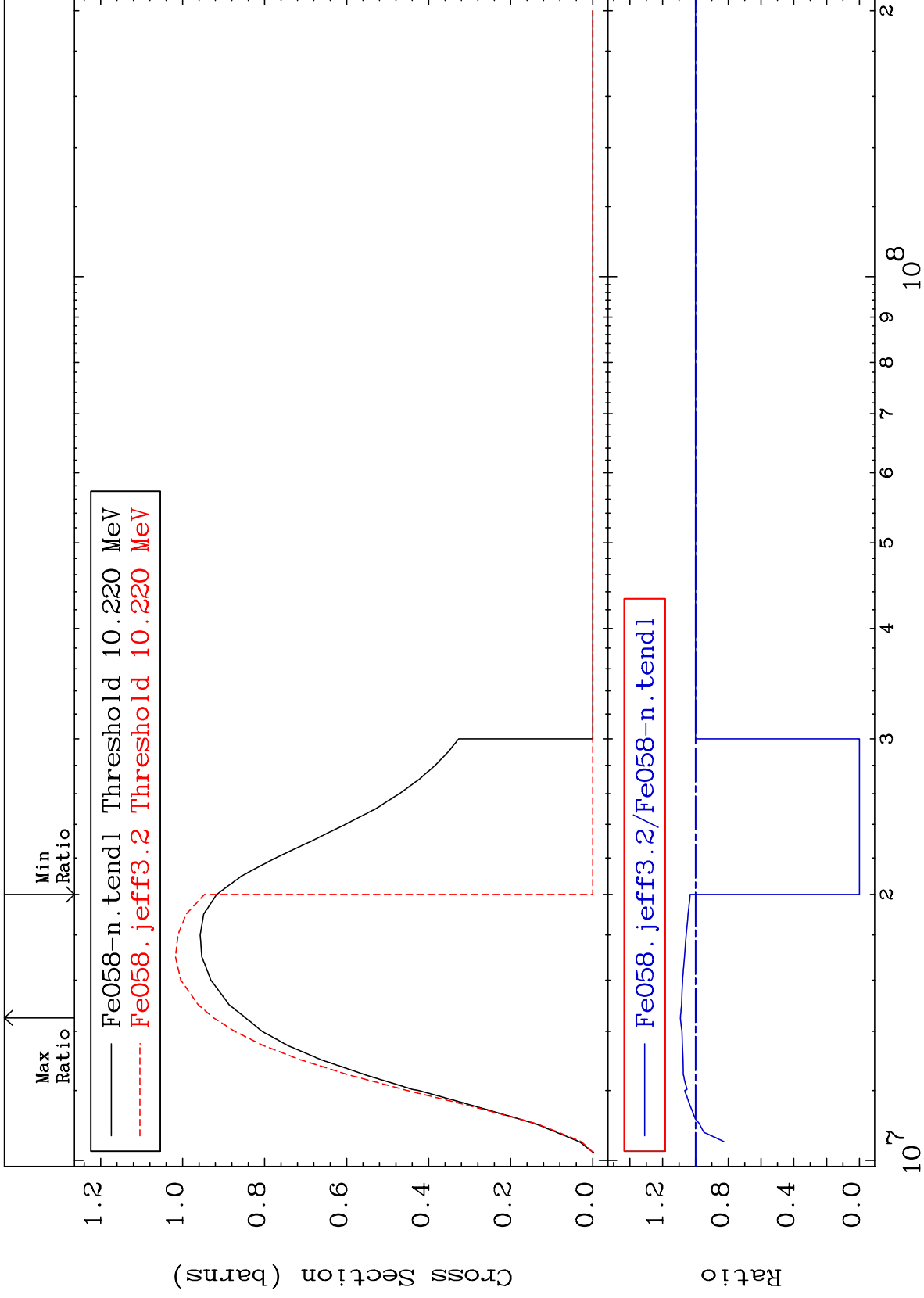
MAT 2637

(n,2n)

<sup>26</sup>Fe-58

Cross Section

-100.0 To 9.217 %



Incident Energy (eV)

<sup>26</sup>Fe-58

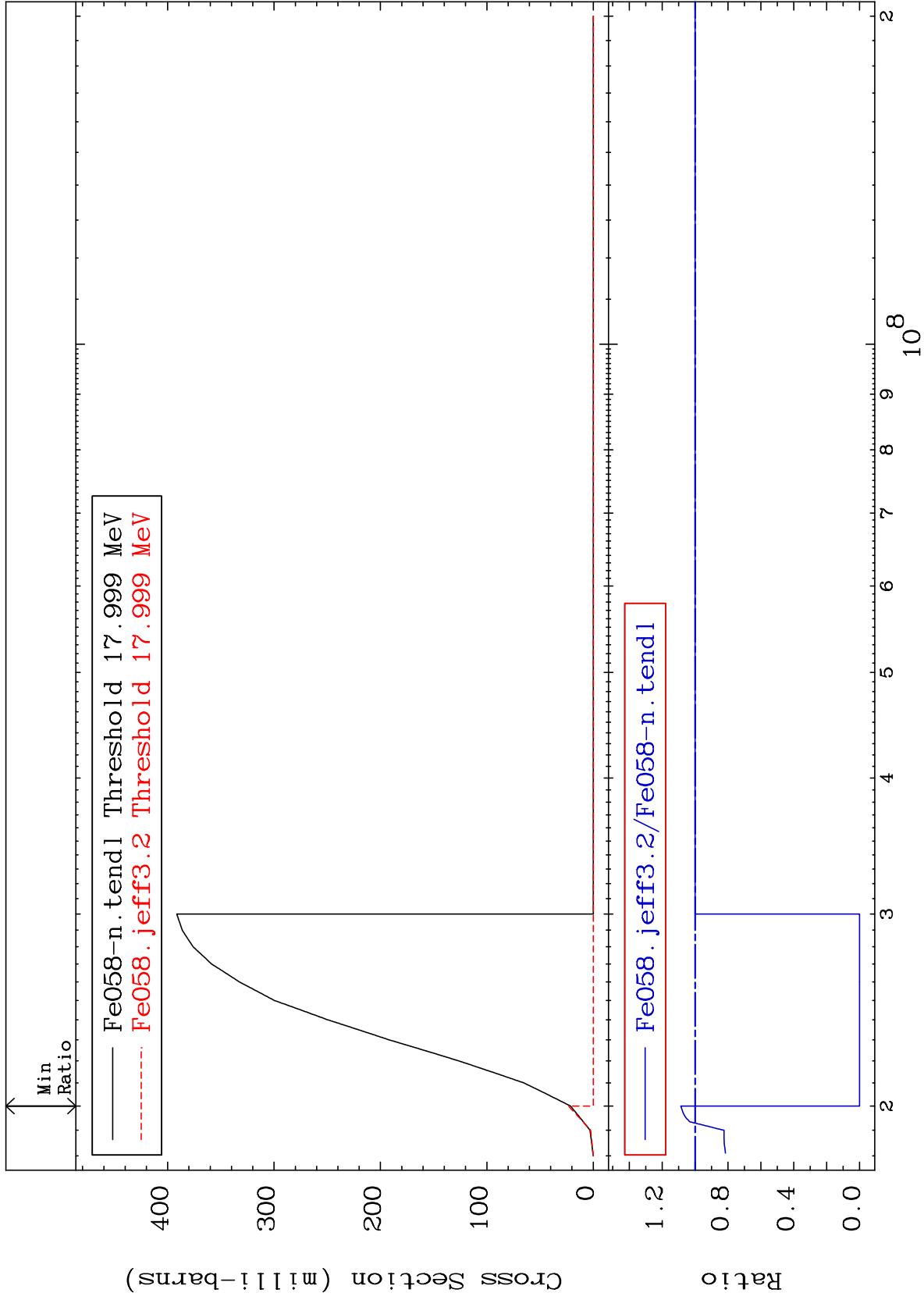
MAT 2637

(n,3n)

<sup>26</sup>Fe-58

Cross Section

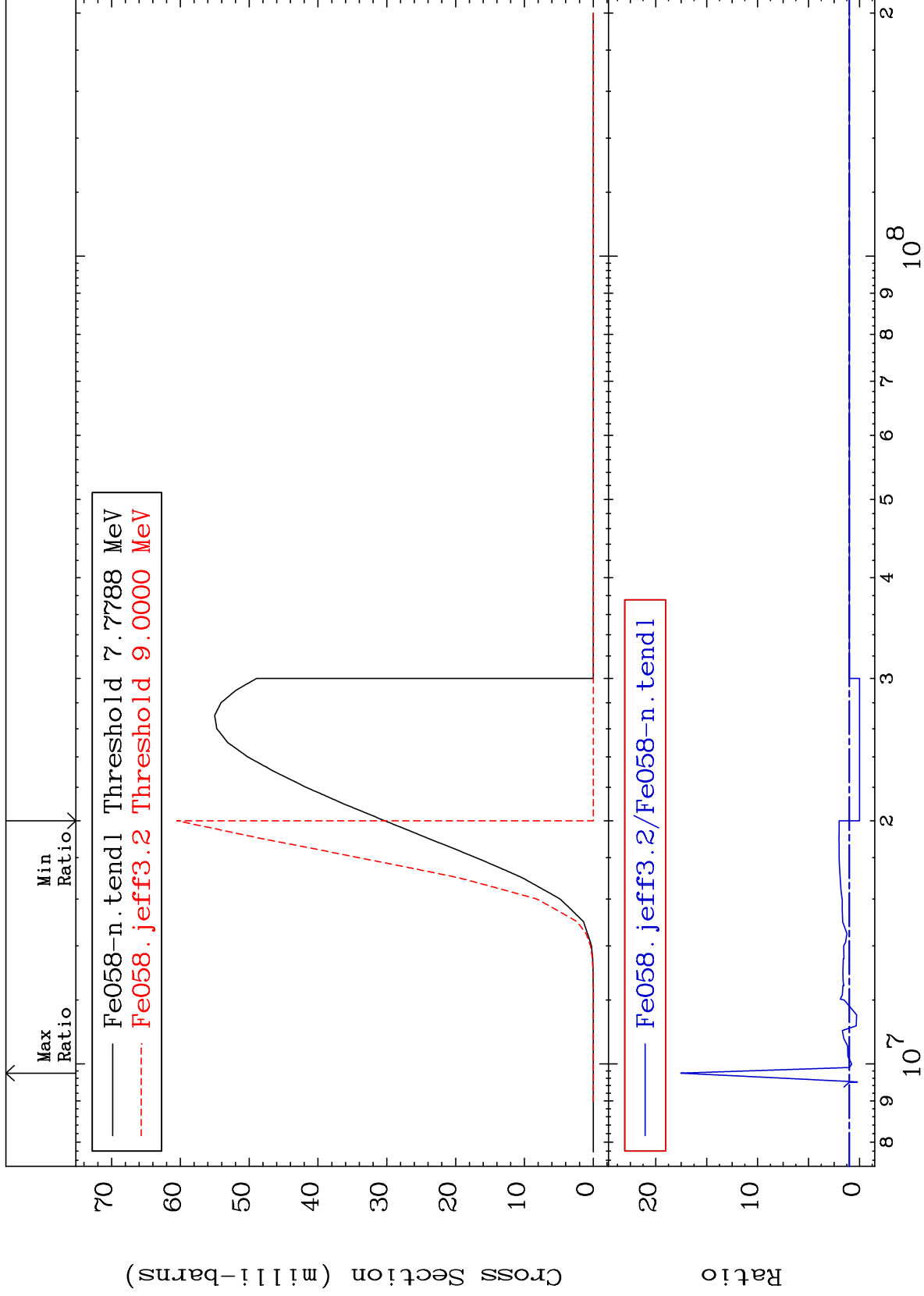
-100.0 To 8.659 %



MAT 2637

(n, n')  $\alpha$   
Cross Section

<sup>26</sup>Fe-58  
-100.0 To 1654. %



7

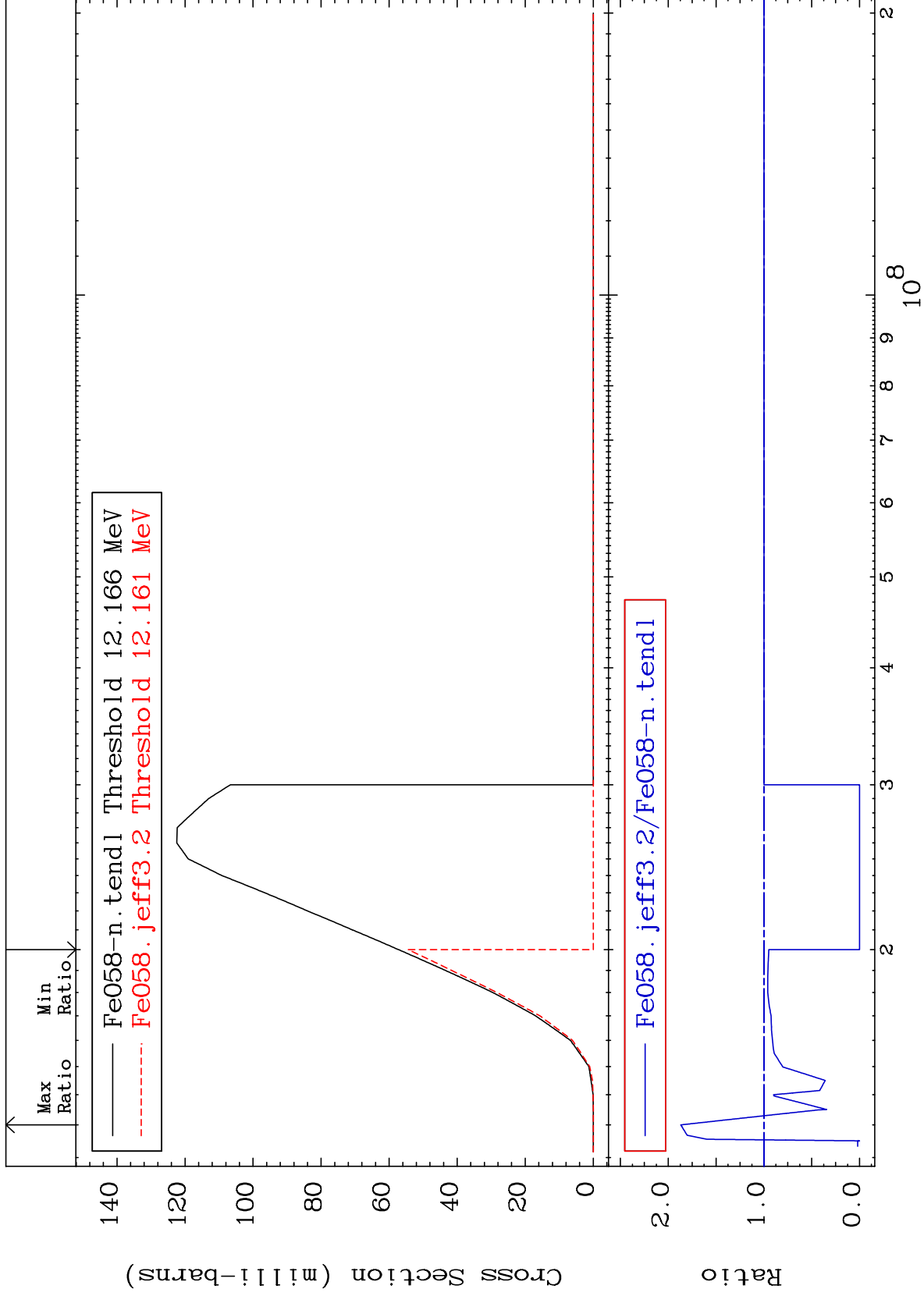
Incident Energy (eV)

<sup>26</sup>Fe-58

MAT 2637

(n, n') p  
Cross Section

<sup>26</sup>Fe-58  
-100.0 To 86.92 %





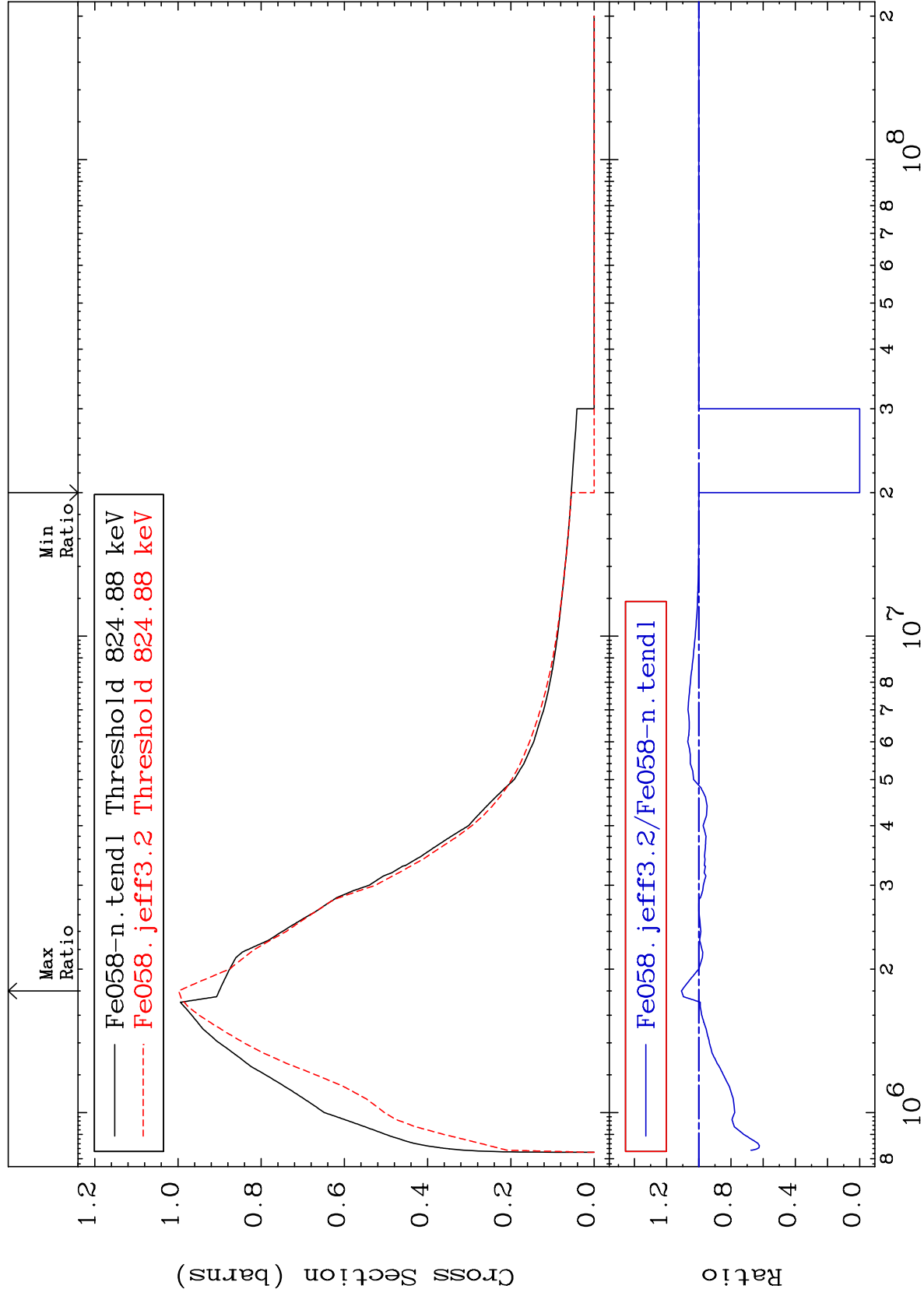
MAT 2637

810.8 keV (n,n') Level

<sup>26</sup>Fe-58

-100.0 To 10.82 %

Cross Section



Incident Energy (eV)

<sup>26</sup>Fe-58

9

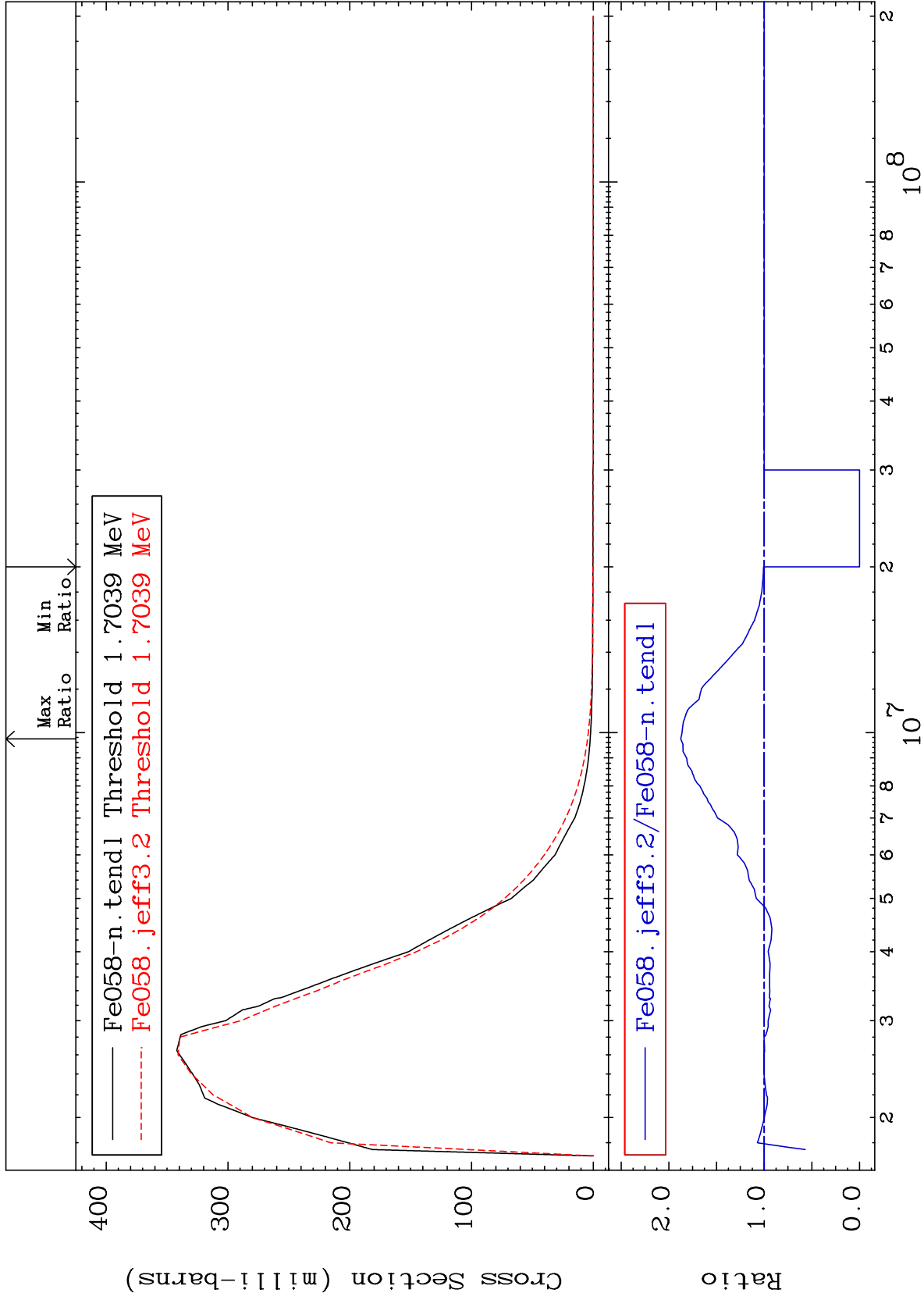
MAT 2637

1.675 MeV (n,n') Level

<sup>26</sup>Fe-58

-100.0 To 87.43 %

Cross Section



10

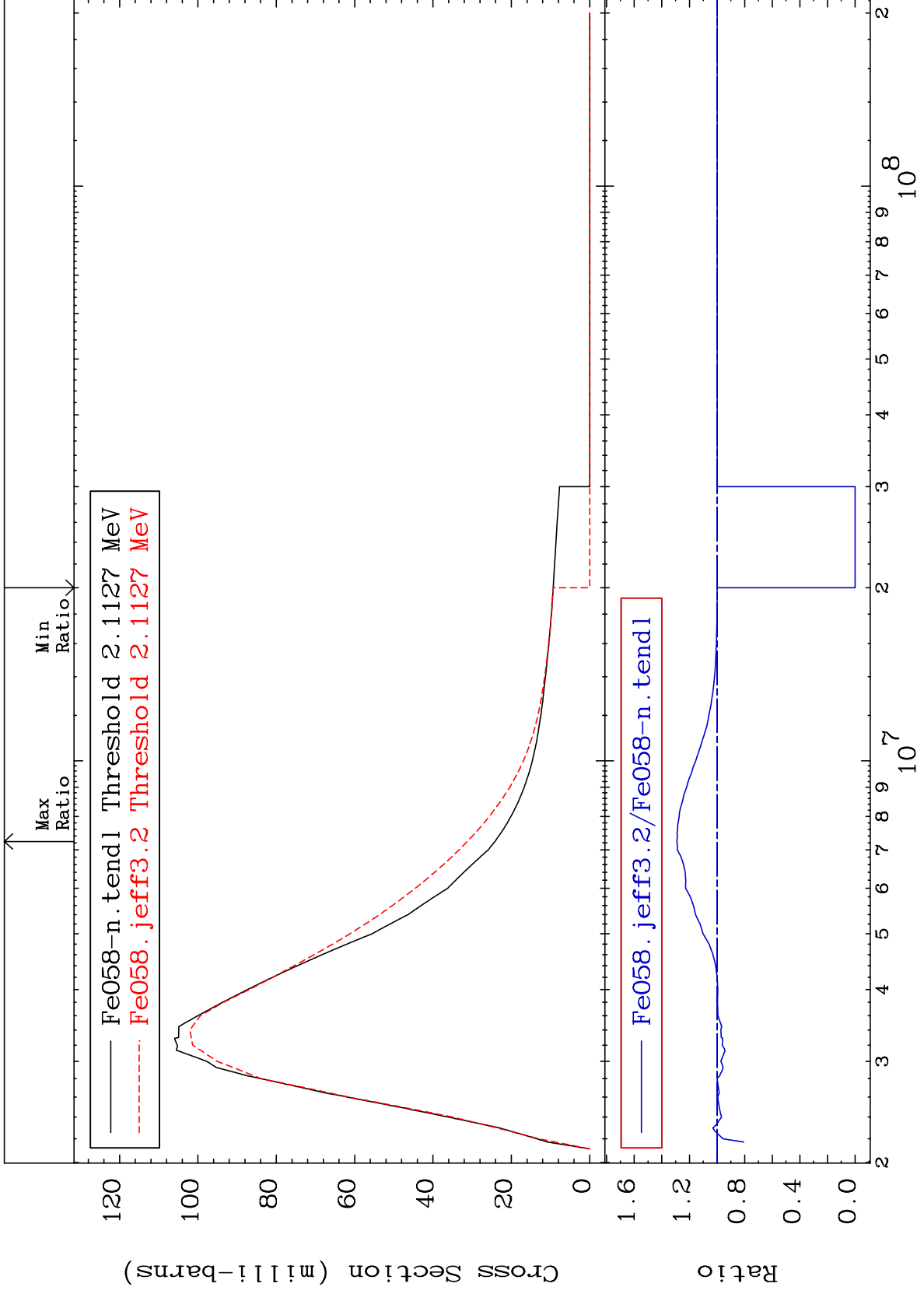
Incident Energy (eV)

<sup>26</sup>Fe-58

MAT 2637

2.077 MeV (n,n') Level  
Cross Section

26-Fe-58  
-100.0 To 29.07 %



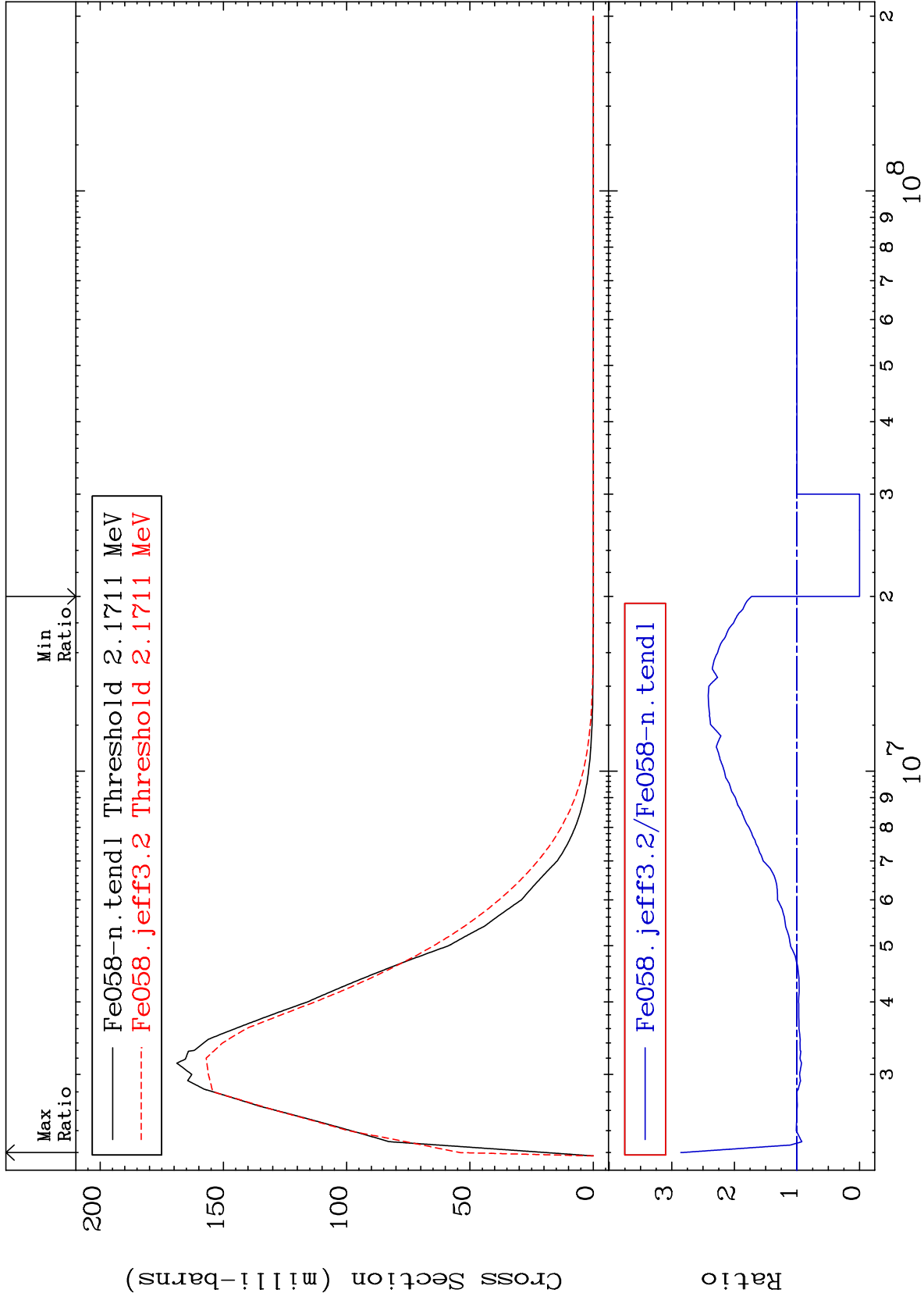
MAT 2637

2.134 MeV (n,n') Level

<sup>26</sup>Fe-58

-100.0 To 185.6 %

Cross Section



12

Incident Energy (eV)

<sup>26</sup>Fe-58

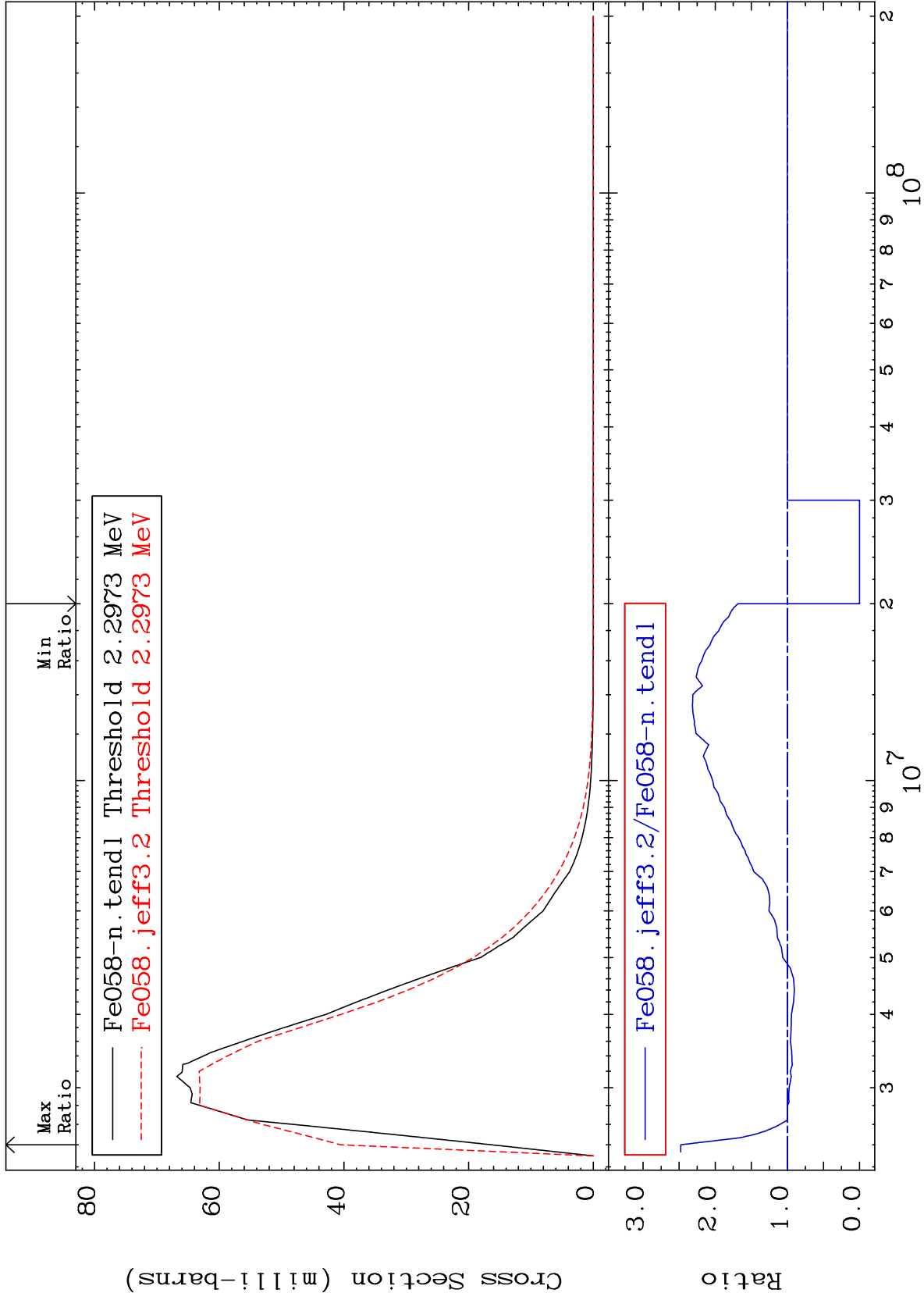
MAT 2637

2.258 MeV (n,n') Level

<sup>26</sup>Fe-58

-100.0 To 147.7 %

Cross Section



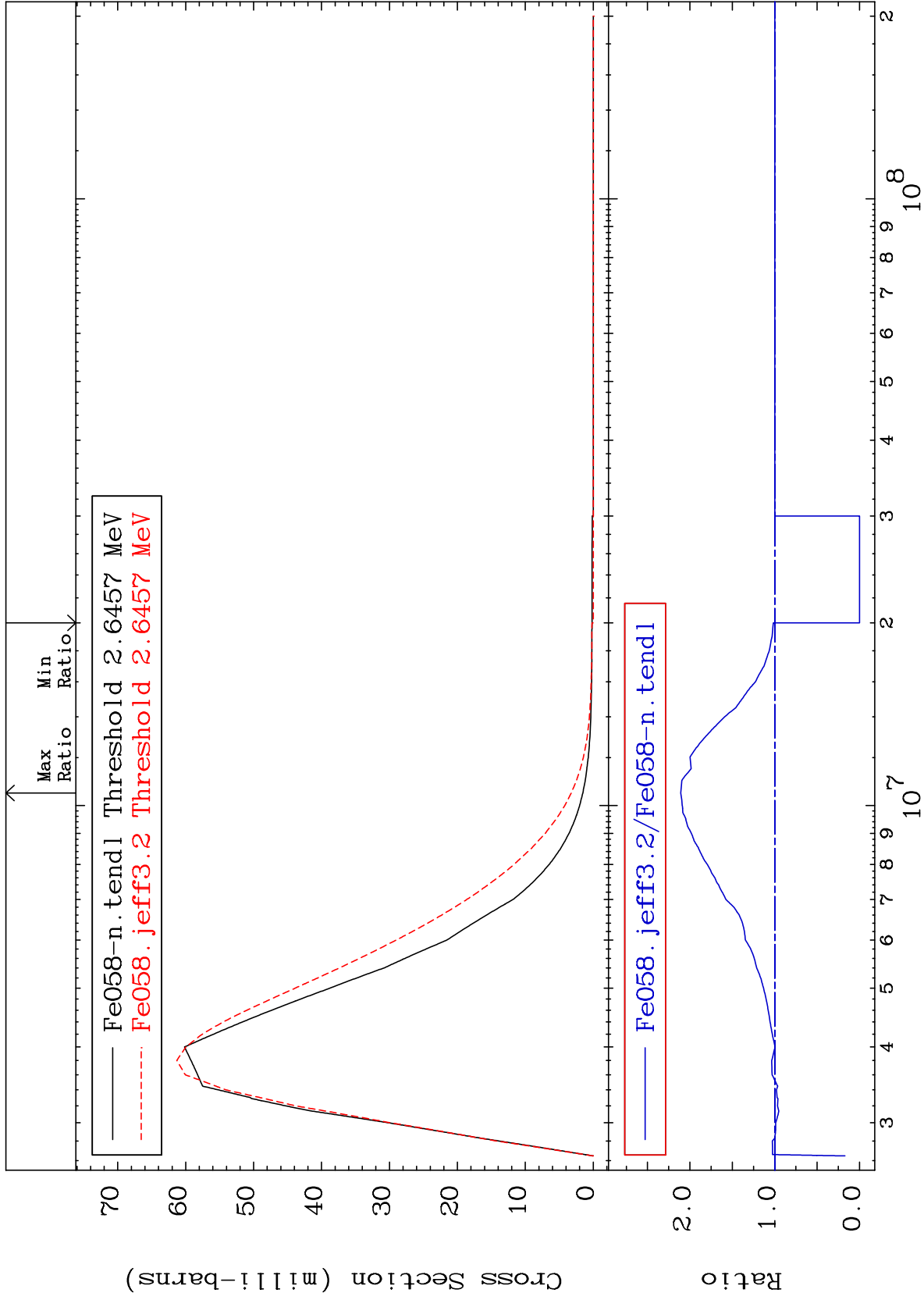
MAT 2637

2.600 MeV (n,n') Level

<sup>26</sup>Fe-58

-100.0 To 110.8 %

Cross Section



14

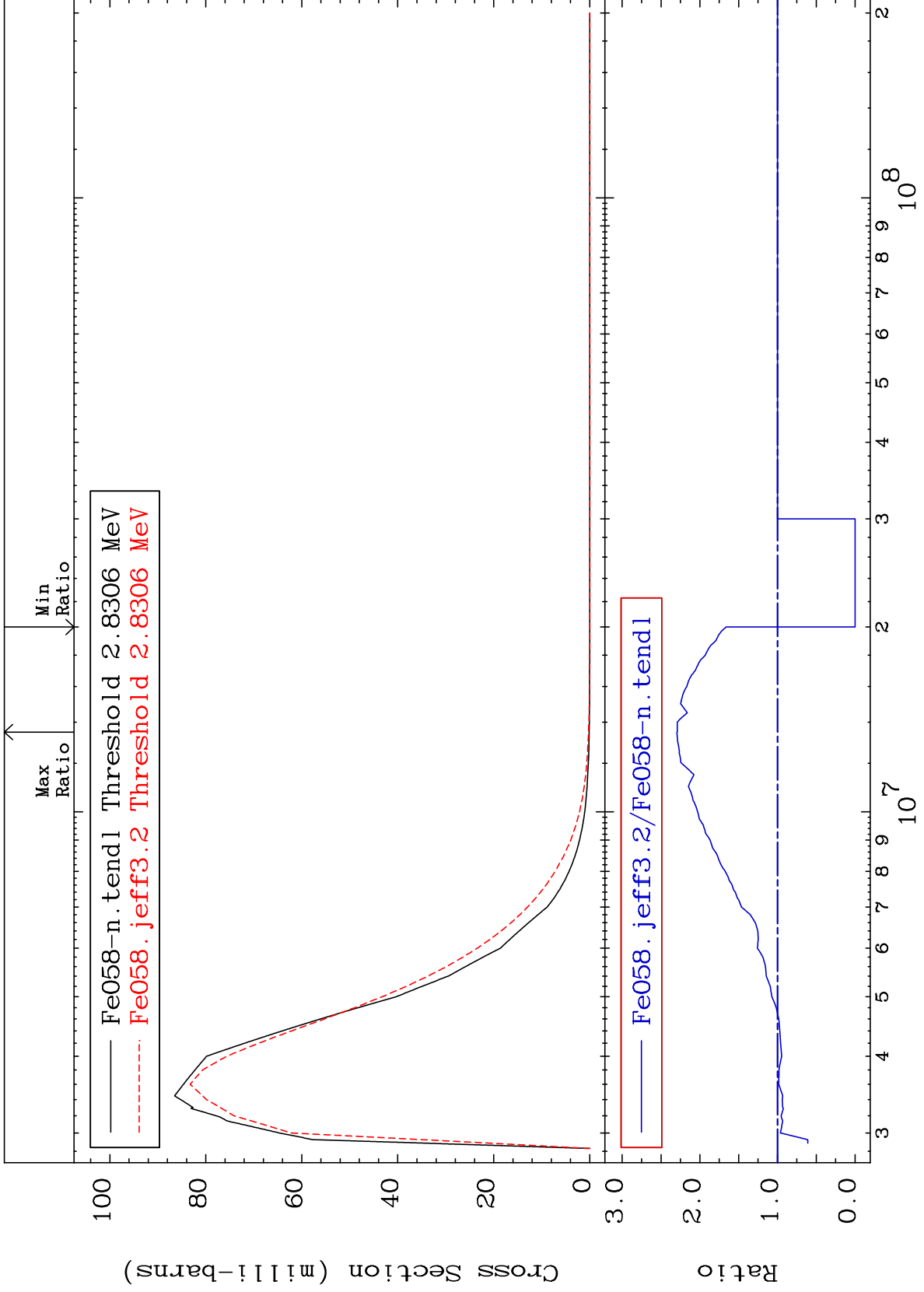
Incident Energy (eV)

<sup>26</sup>Fe-58

MAT 2637

2.782 MeV (n,n') Level  
Cross Section

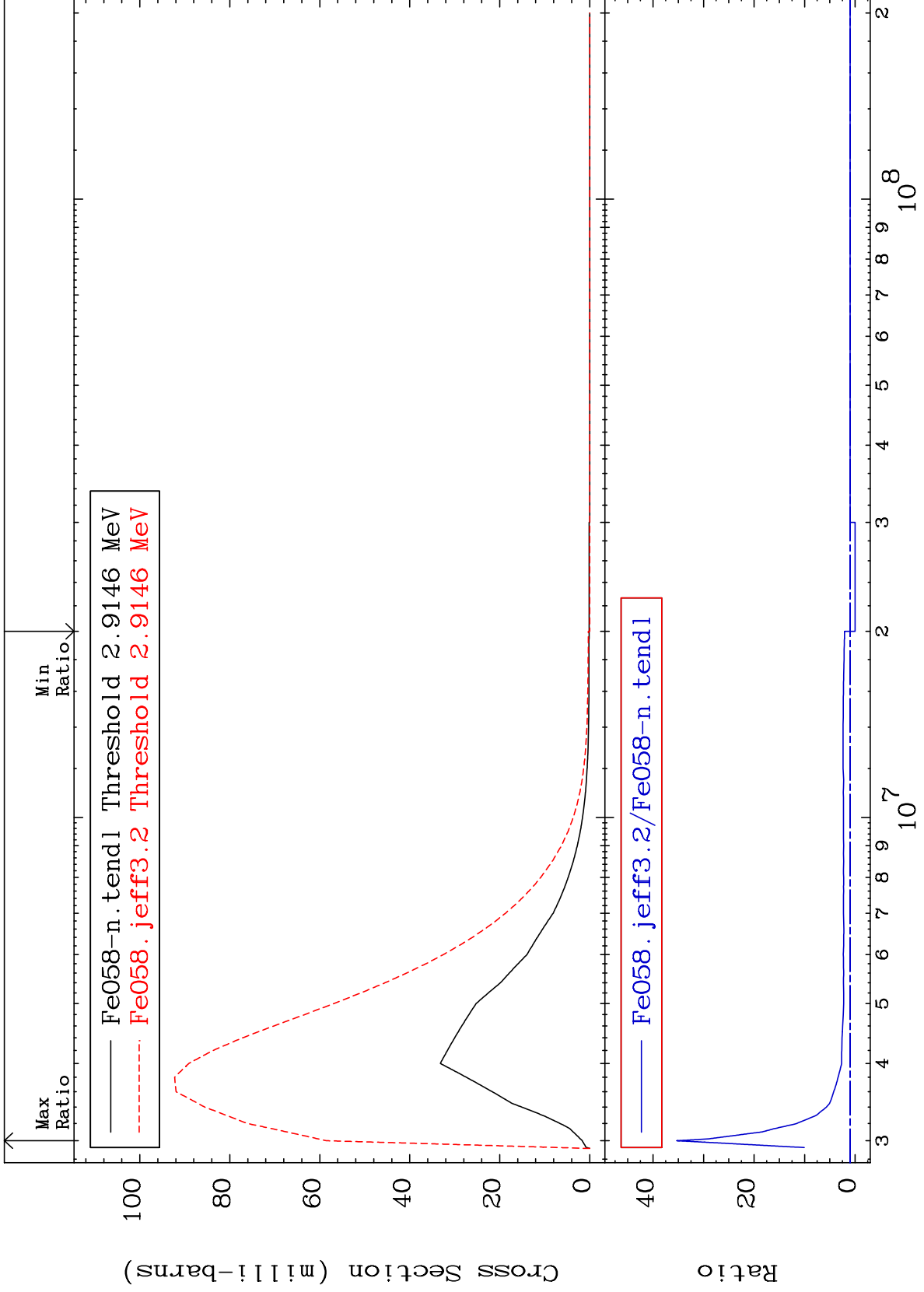
26-Fe-58  
-100.0 To 129.5 %



MAT 2637

2.865 MeV (n,n') Level  
Cross Section

26-Fe-58  
-100.0 To 3427. %



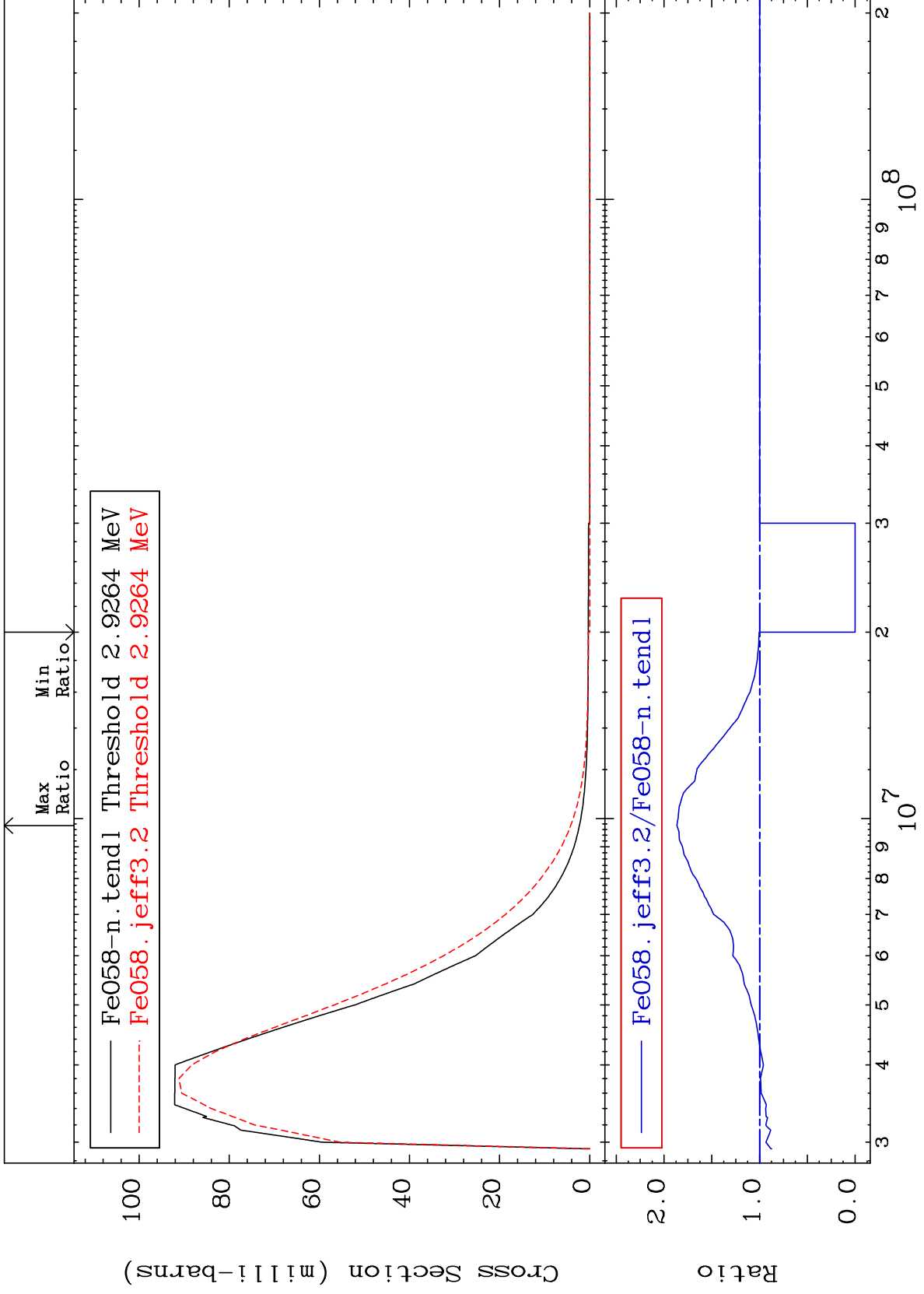
16



MAT 2637

2.876 MeV (n,n') Level  
Cross Section

26-Fe-58  
-100.0 To 86.54 %



17

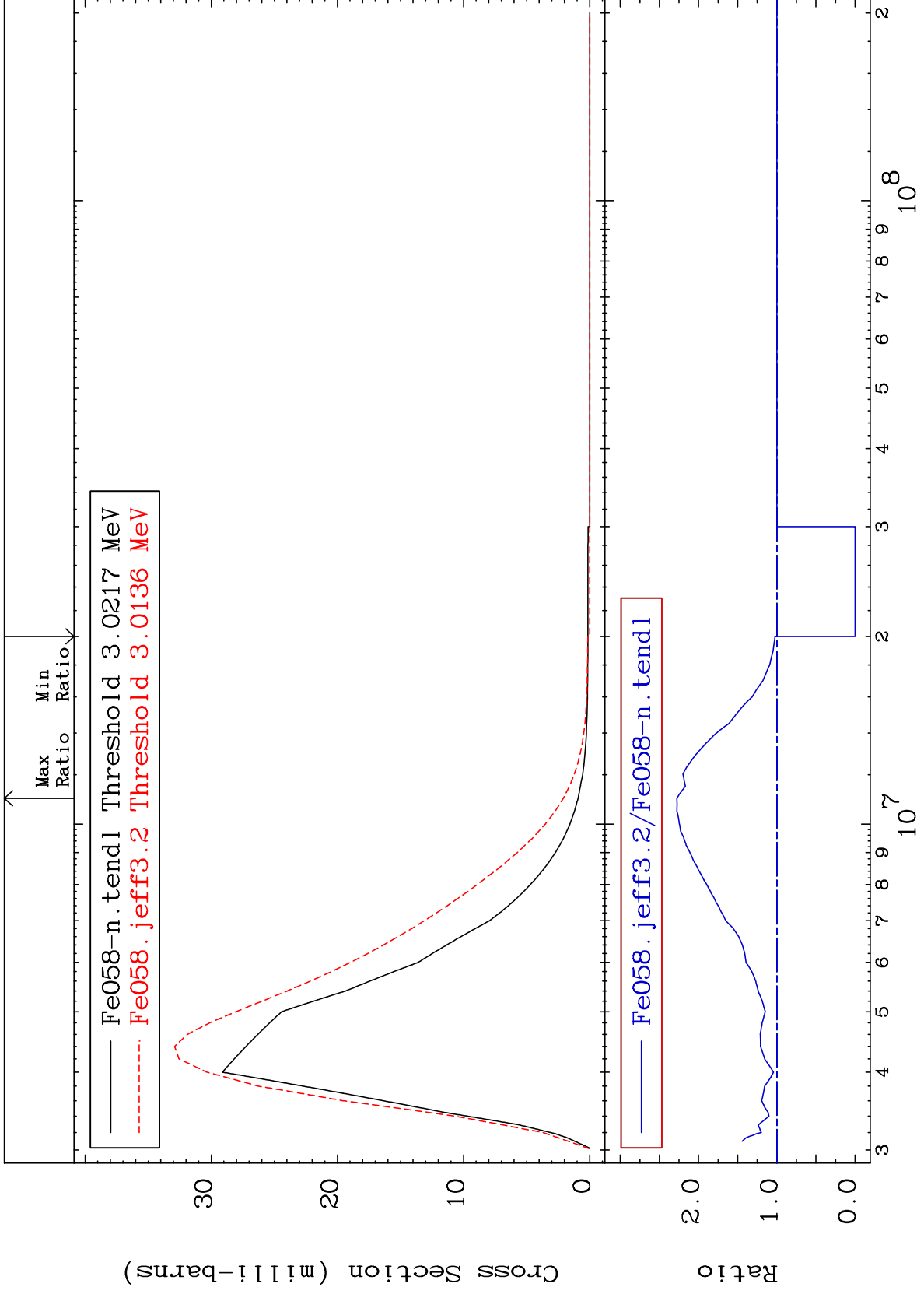
Incident Energy (eV)

26-Fe-58

MAT 2637

2.970 MeV (n,n') Level  
Cross Section

26-Fe-58  
-100.0 To 127.6 %



18

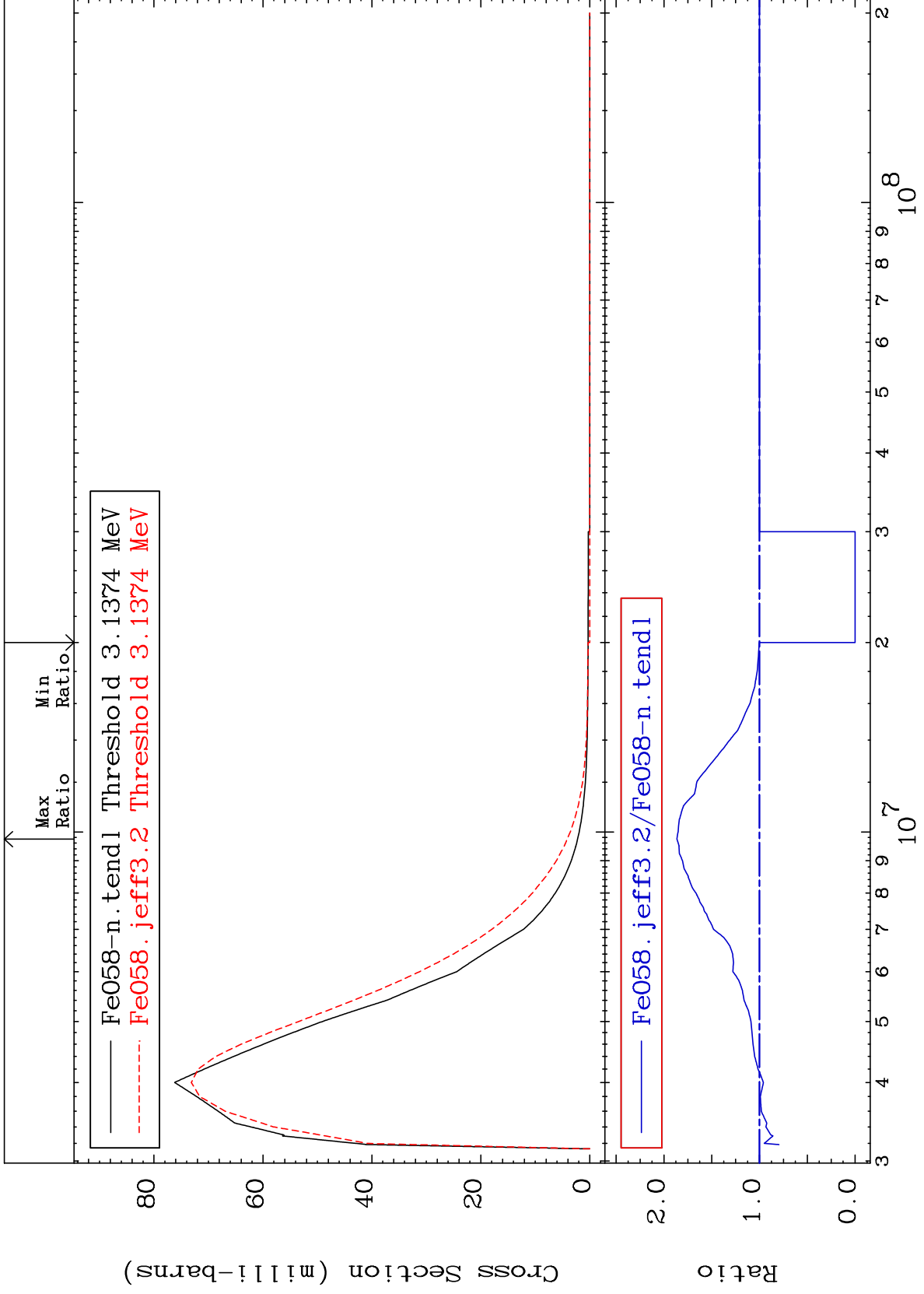
Incident Energy (eV)

26-Fe-58

MAT 2637

3.084 MeV (n,n') Level  
Cross Section

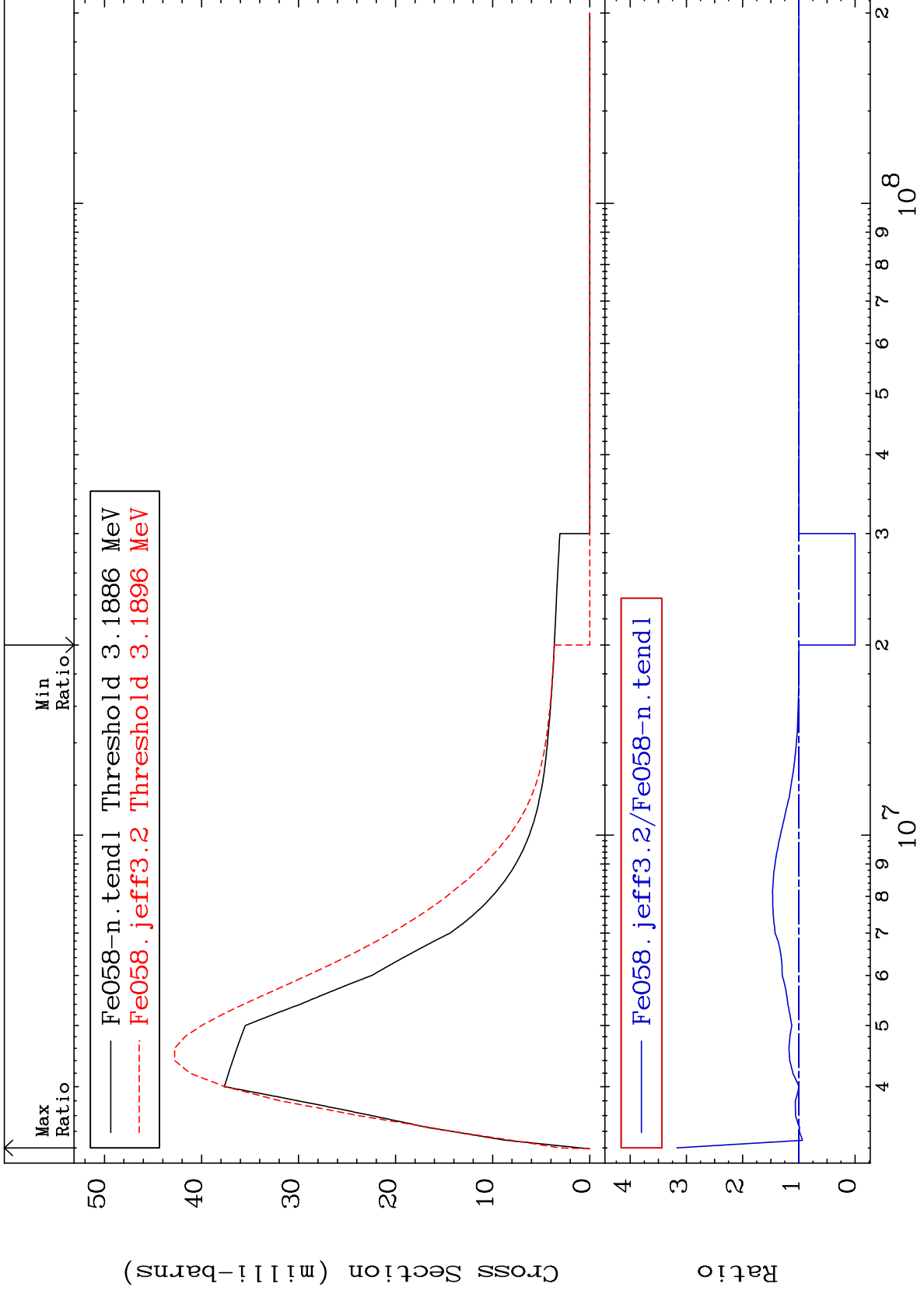
<sup>26</sup>Fe-58  
-100.0 To 86.43 %



MAT 2637

3.134 MeV (n,n') Level  
Cross Section

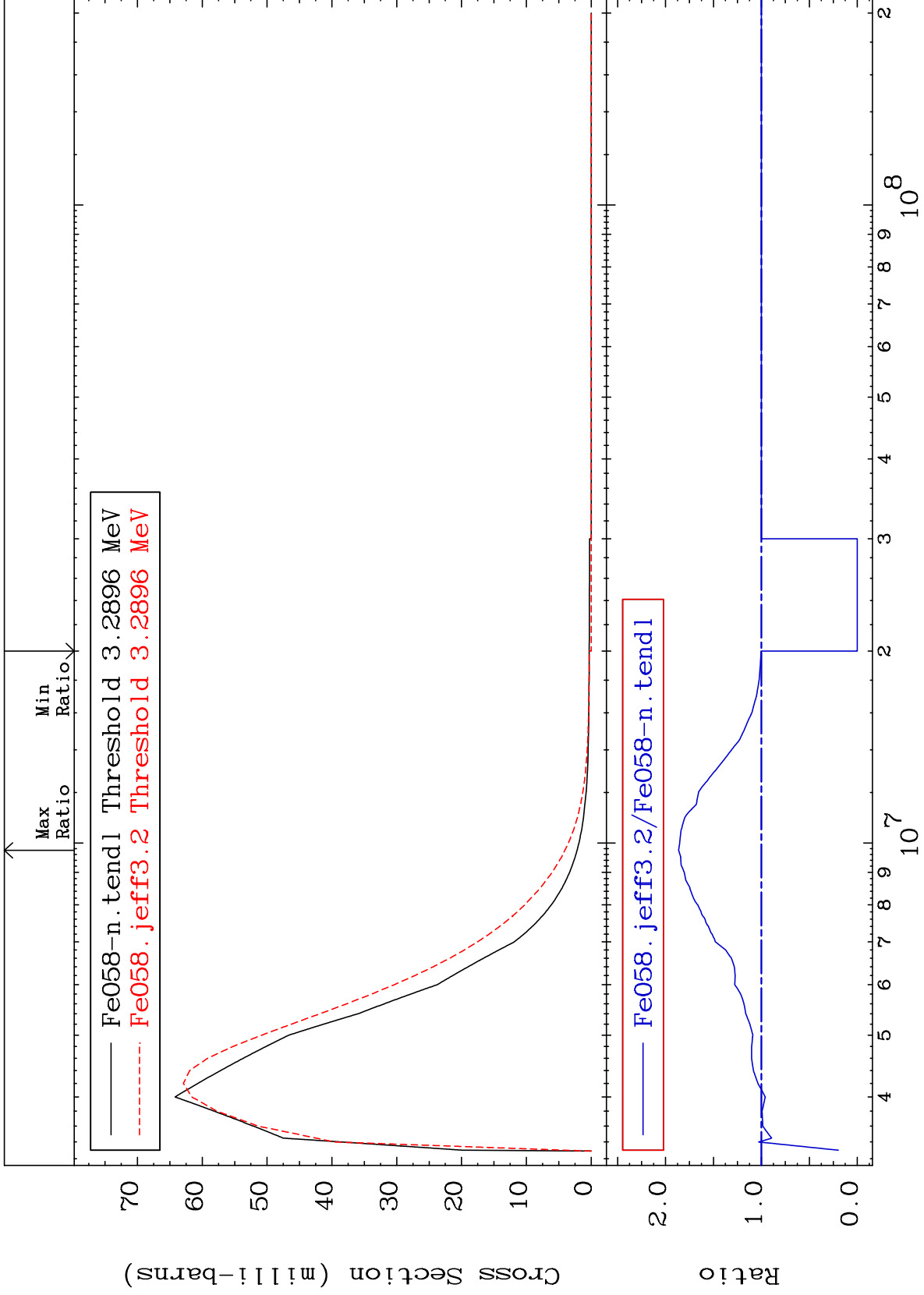
26-Fe-58  
-100.0 To 217.0 %



MAT 2637

3.233 MeV (n,n') Level  
Cross Section

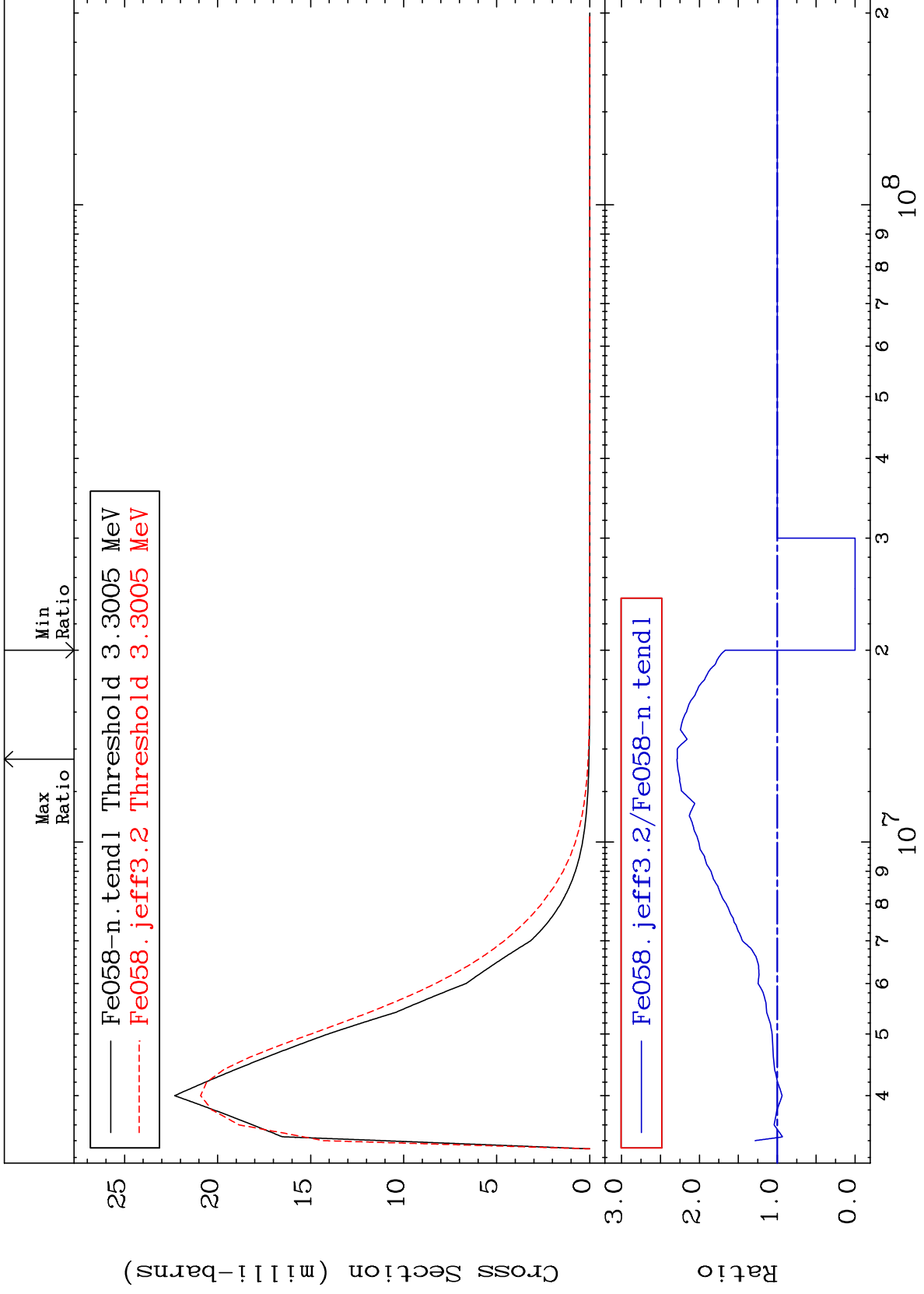
26-Fe-58  
-100.0 To 86.33 %



MAT 2637

3.244 MeV (n,n') Level  
Cross Section

26-Fe-58  
-100.0 To 128.9 %



22

Incident Energy (eV)

26-Fe-58

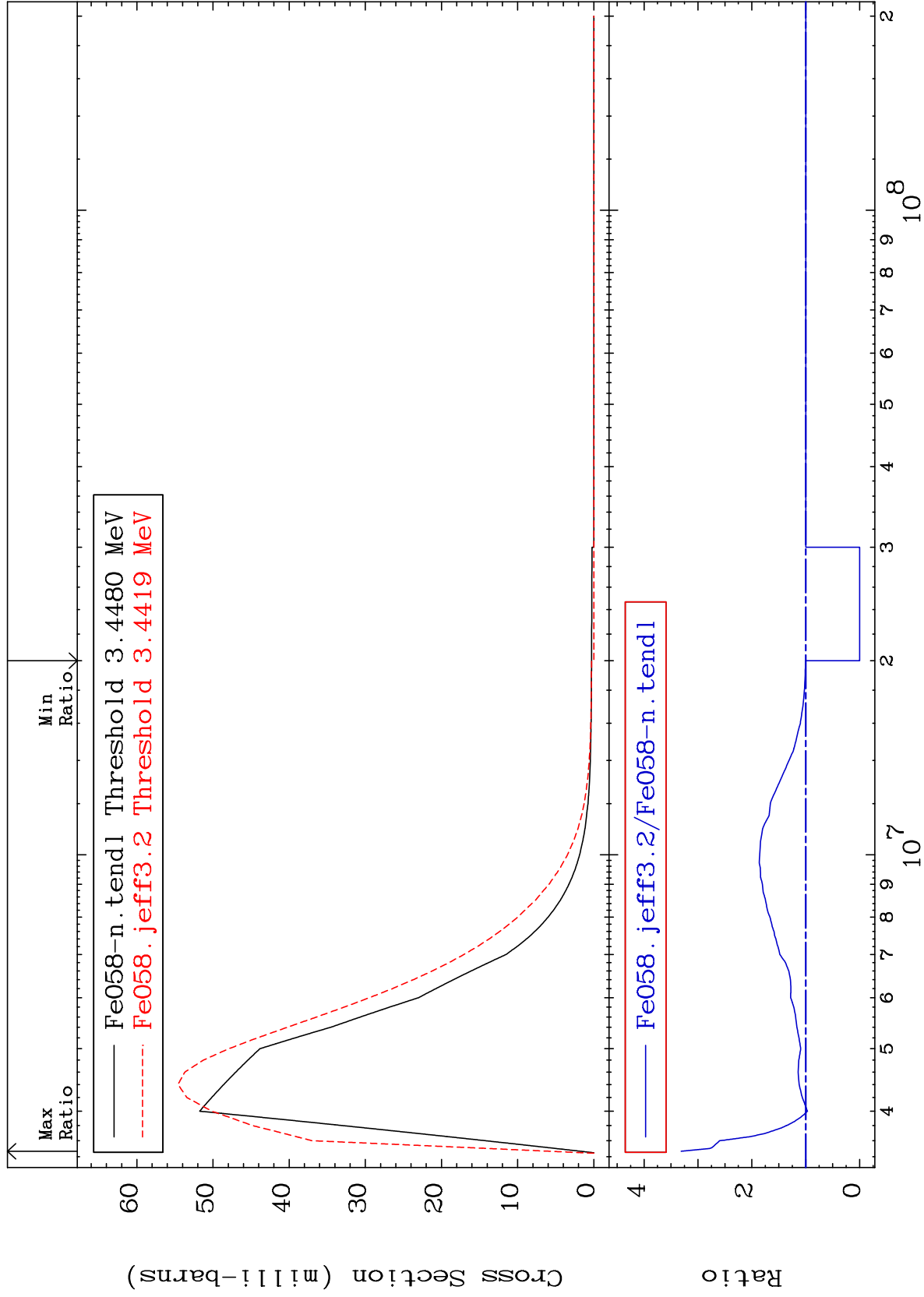
MAT 2637

3.389 MeV (n,n') Level

<sup>26</sup>Fe-58

-100.0 To 231.1 %

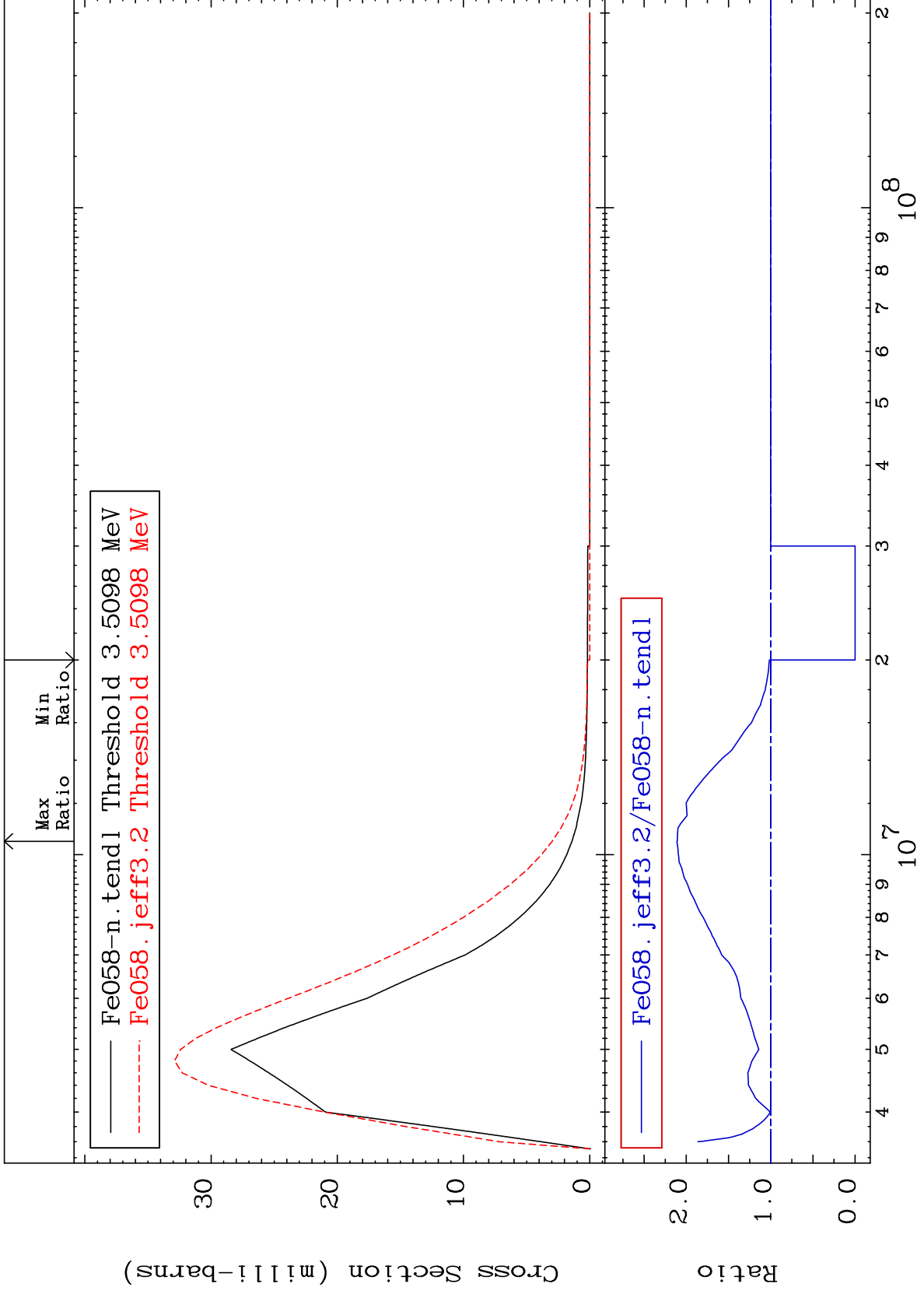
Cross Section



MAT 2637

3.450 MeV (n,n') Level  
Cross Section

<sup>26</sup>Fe-58  
-100.0 To 111.1 %

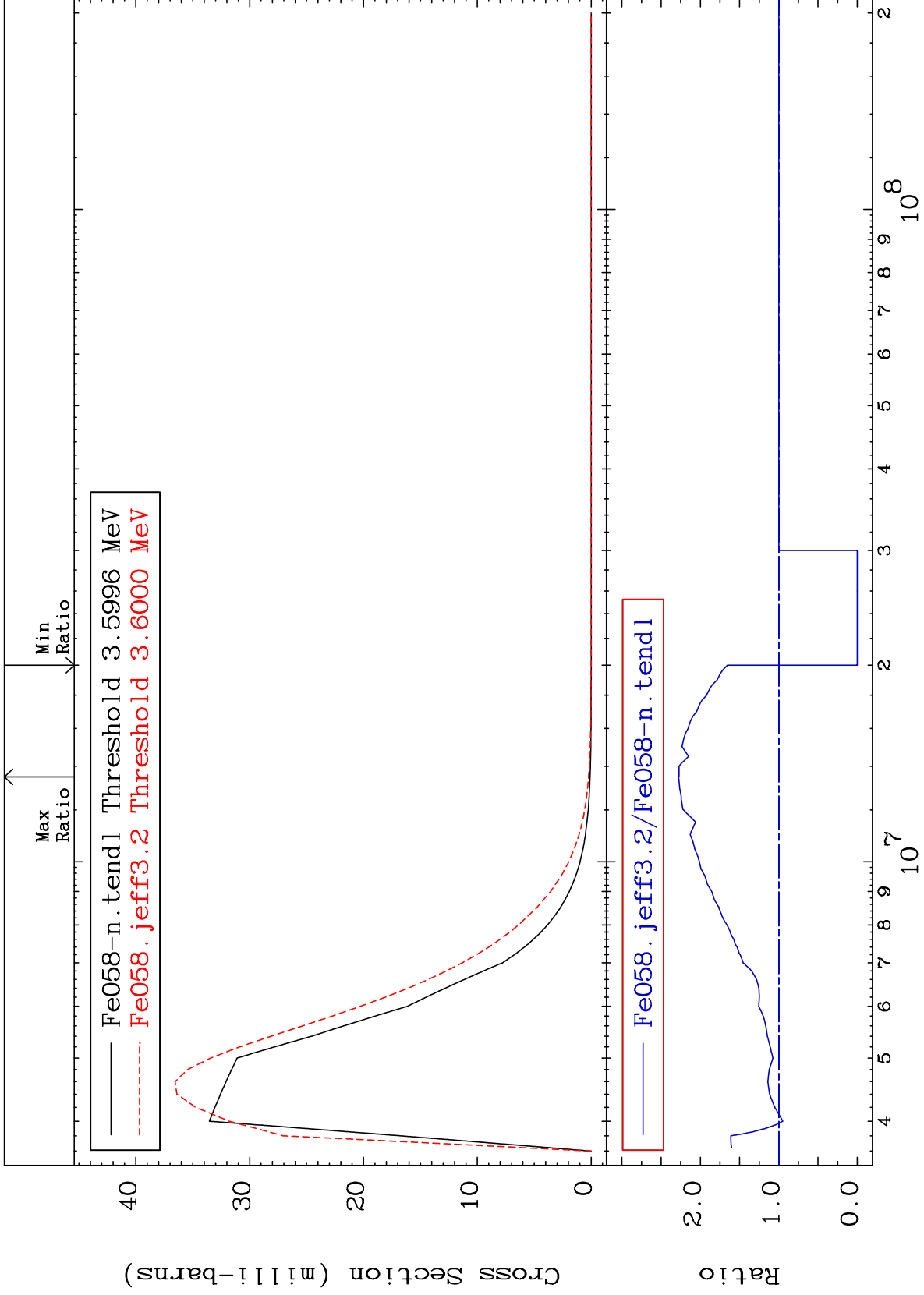




MAT 2637

3.538 MeV (n,n') Level  
Cross Section

<sup>26</sup>Fe-58  
-100.0 To 127.7 %



25

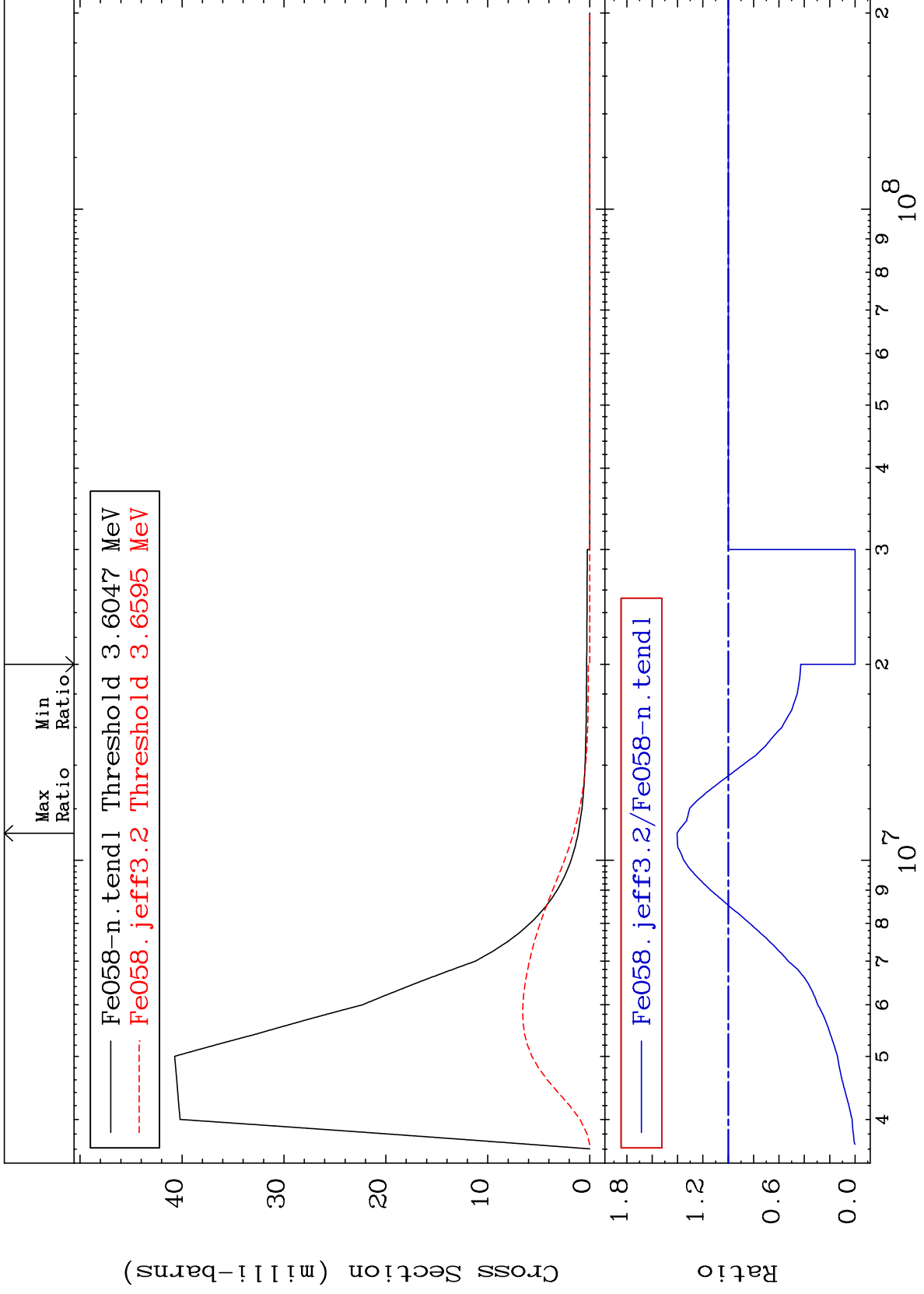
Incident Energy (eV)

<sup>26</sup>Fe-58

MAT 2637

3.543 MeV (n,n') Level  
Cross Section

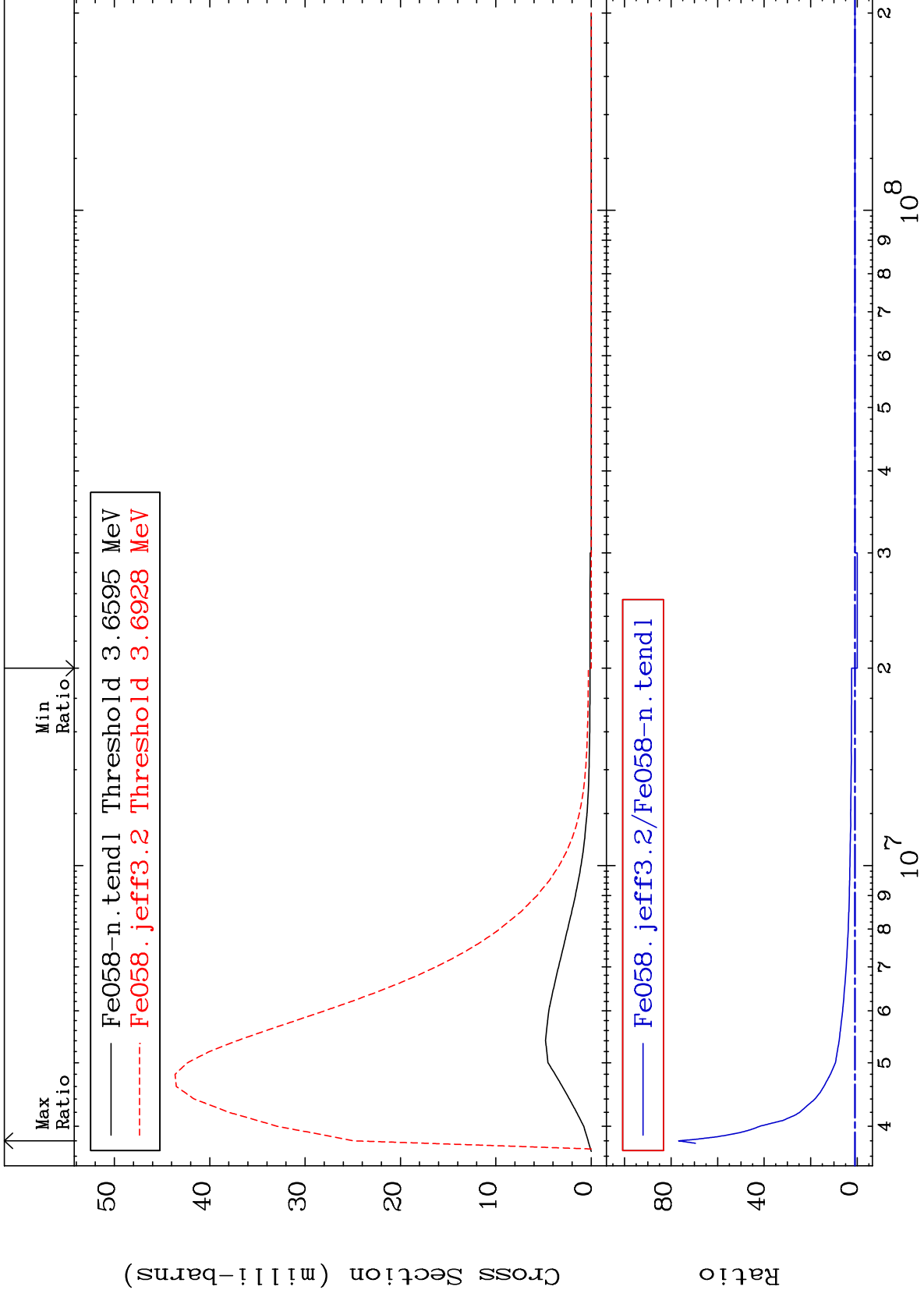
26-Fe-58  
-100.0 To 40.47 %



MAT 2637

3.597 MeV (n,n') Level  
Cross Section

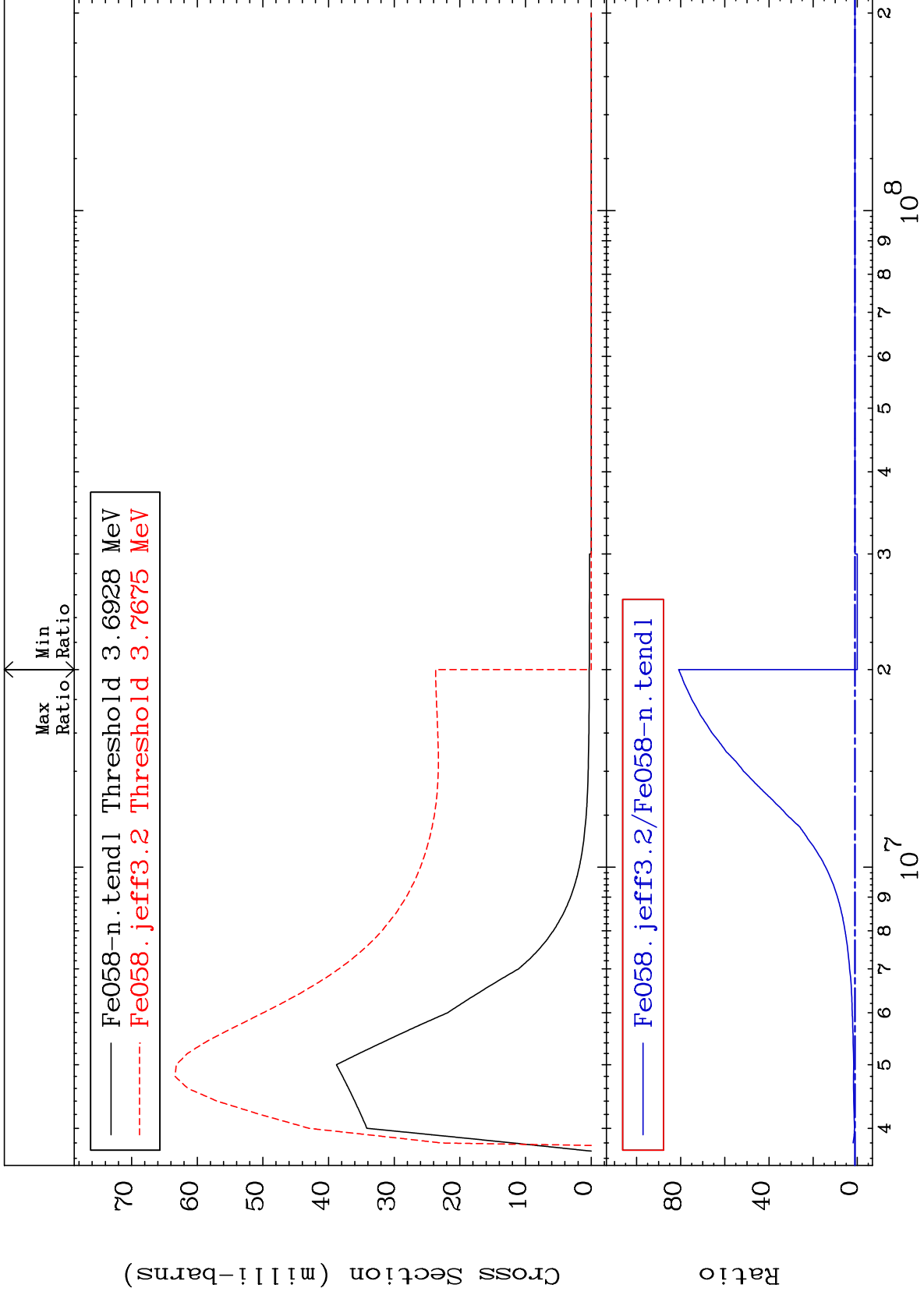
26-Fe-58  
-100.0 To 7576. %



MAT 2637

3.630 MeV (n,n') Level  
Cross Section

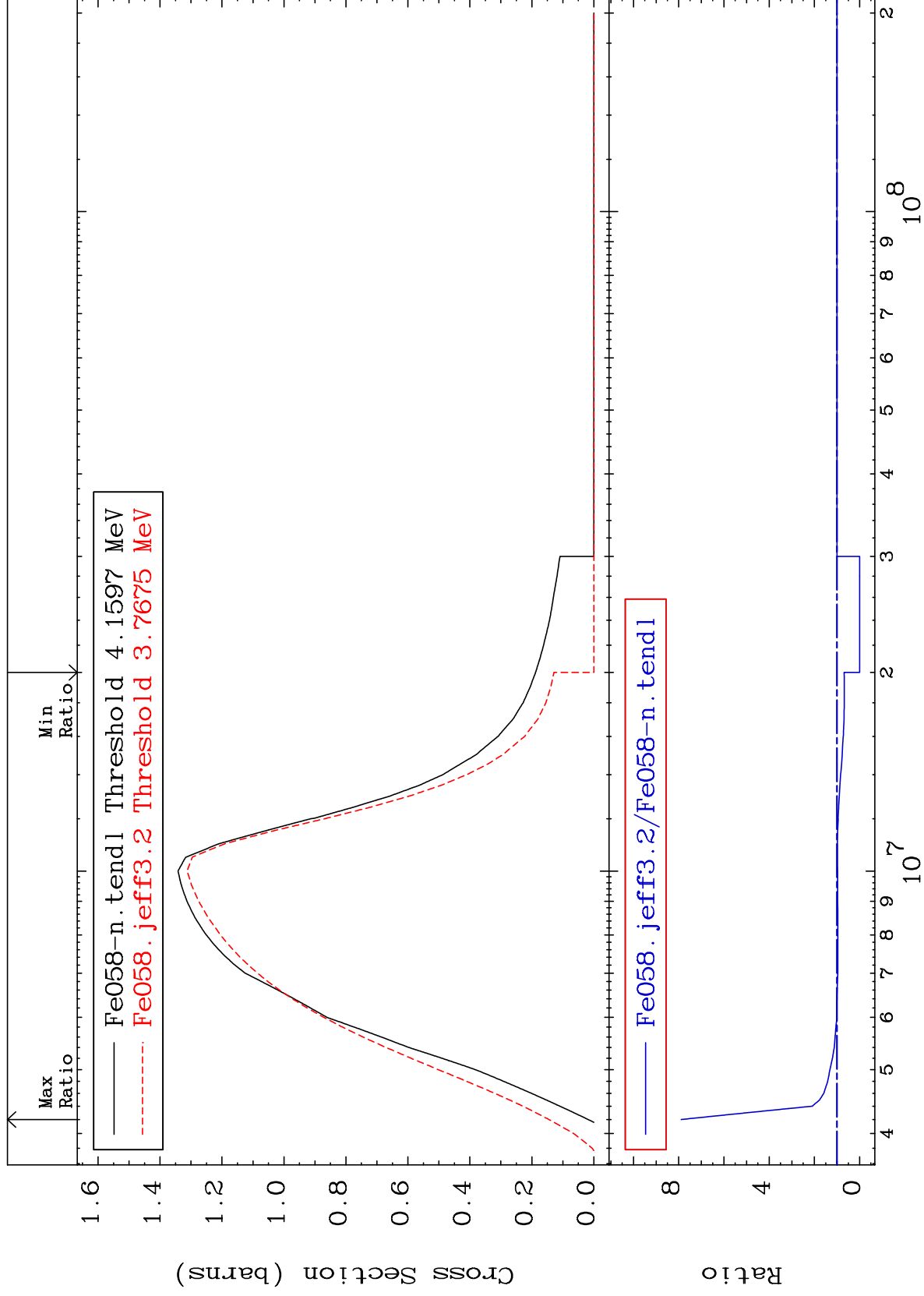
26-Fe-58  
-100.0 To 7994. %



MAT 2637

(n, n') Continuum  
Cross Section

<sup>26</sup>Fe-58  
-100.0 To 689.2 %

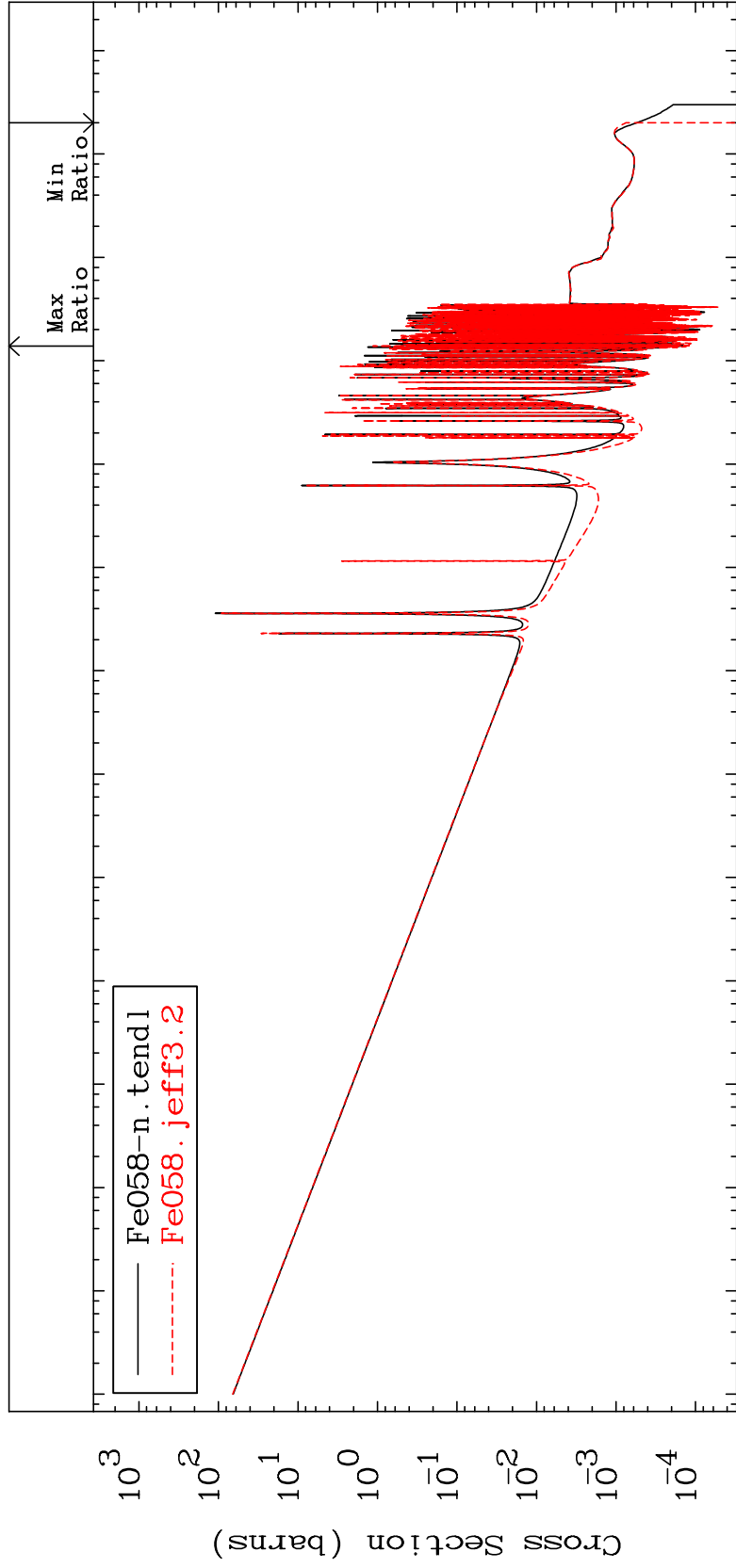


MAT 2637

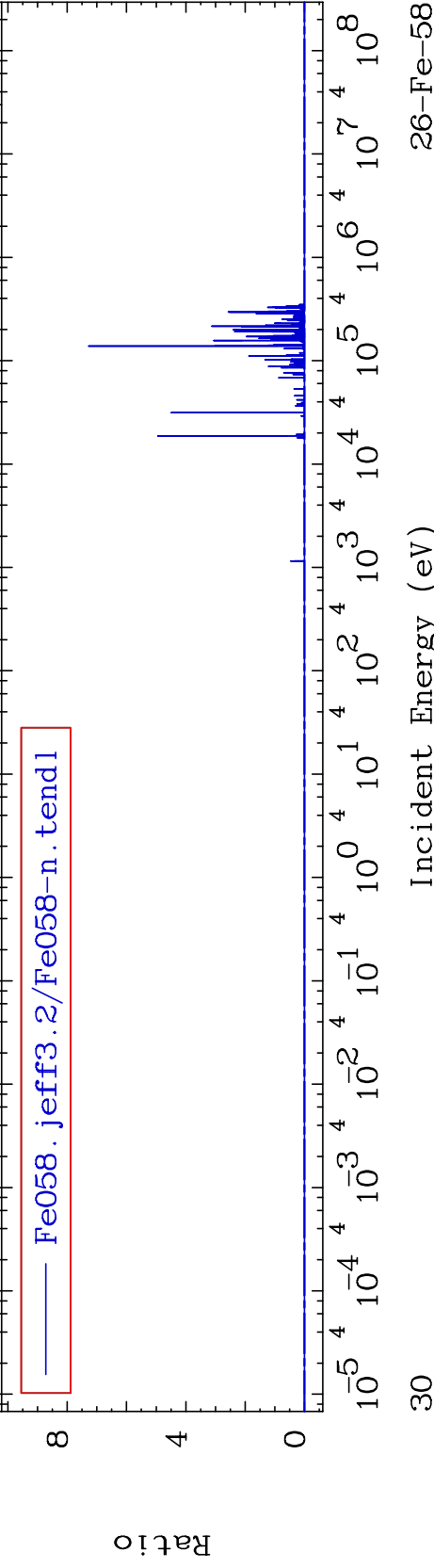
<sup>26</sup>Fe-58

(n,  $\gamma$ )  
Cross Section

-100.0 To 9999. %



Fe058.jeff3.2/Fe058-n.tendl



<sup>26</sup>Fe-58

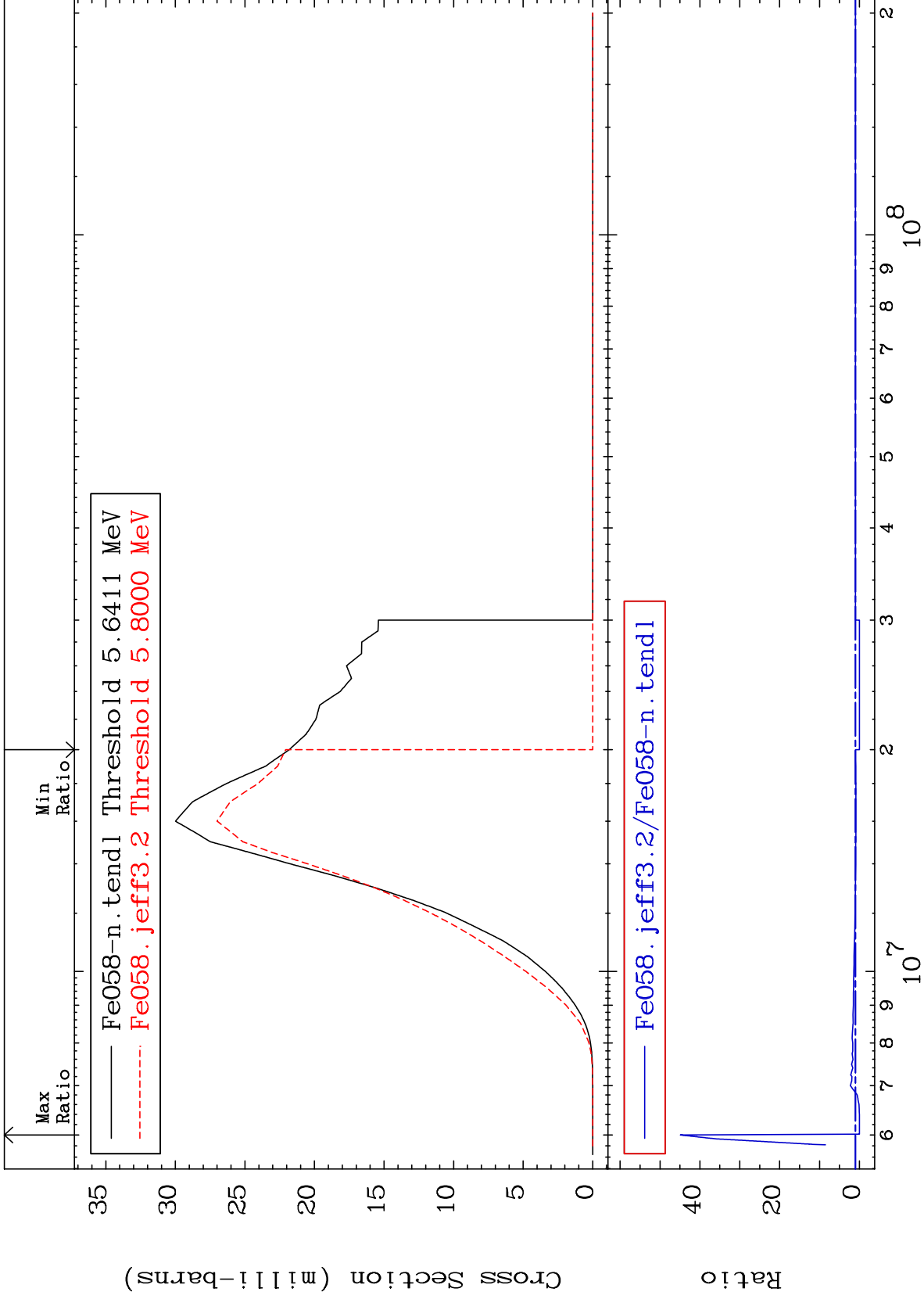
Incident Energy (eV)

30

MAT 2637

(n,p)  
Cross Section

<sup>26</sup>Fe-58  
-100.0 To 4389. %



31

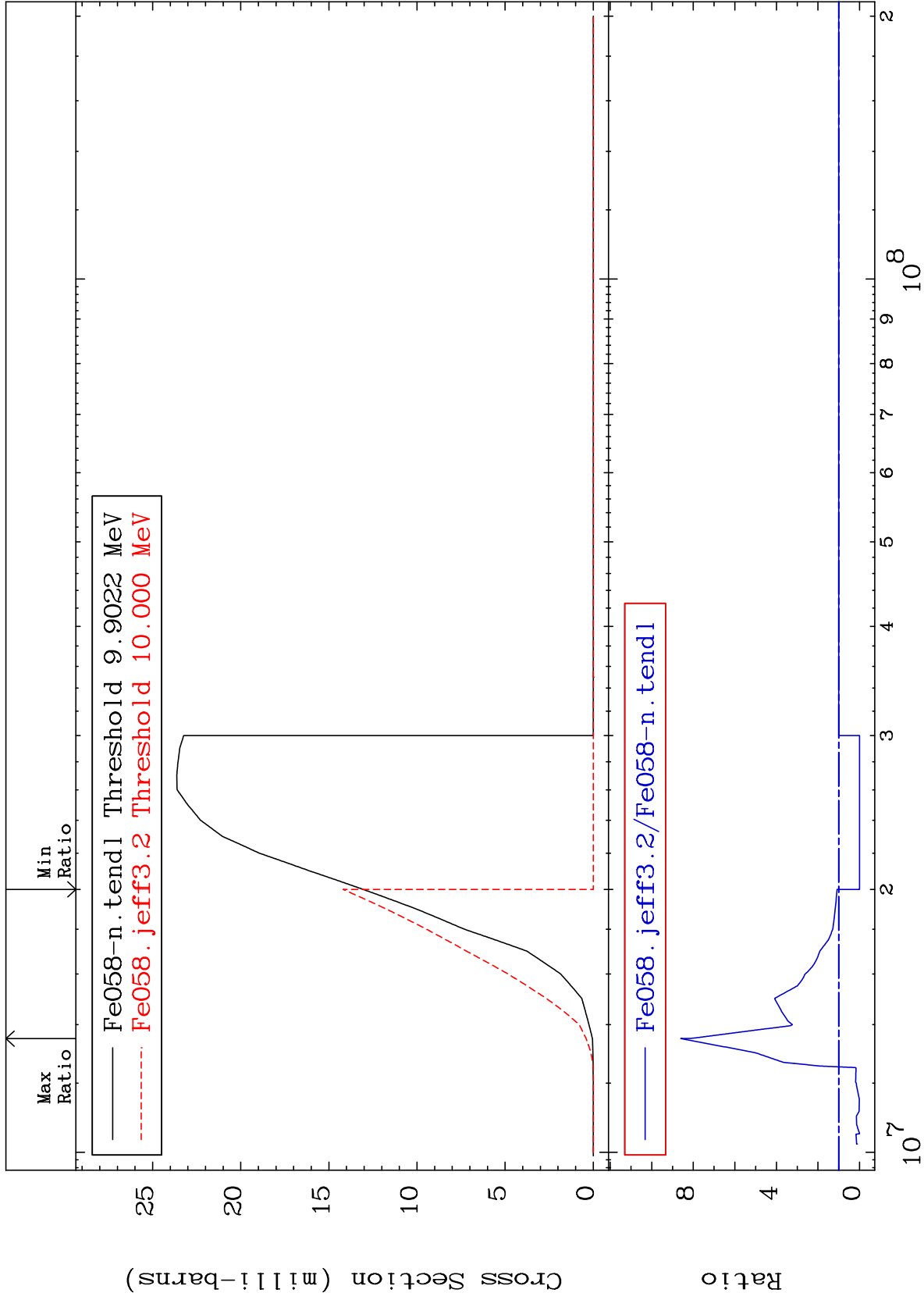
Incident Energy (eV)

<sup>26</sup>Fe-58

MAT 2637

(n, d)  
Cross Section

<sup>26</sup>Fe-58  
-100.0 To 760.4 %

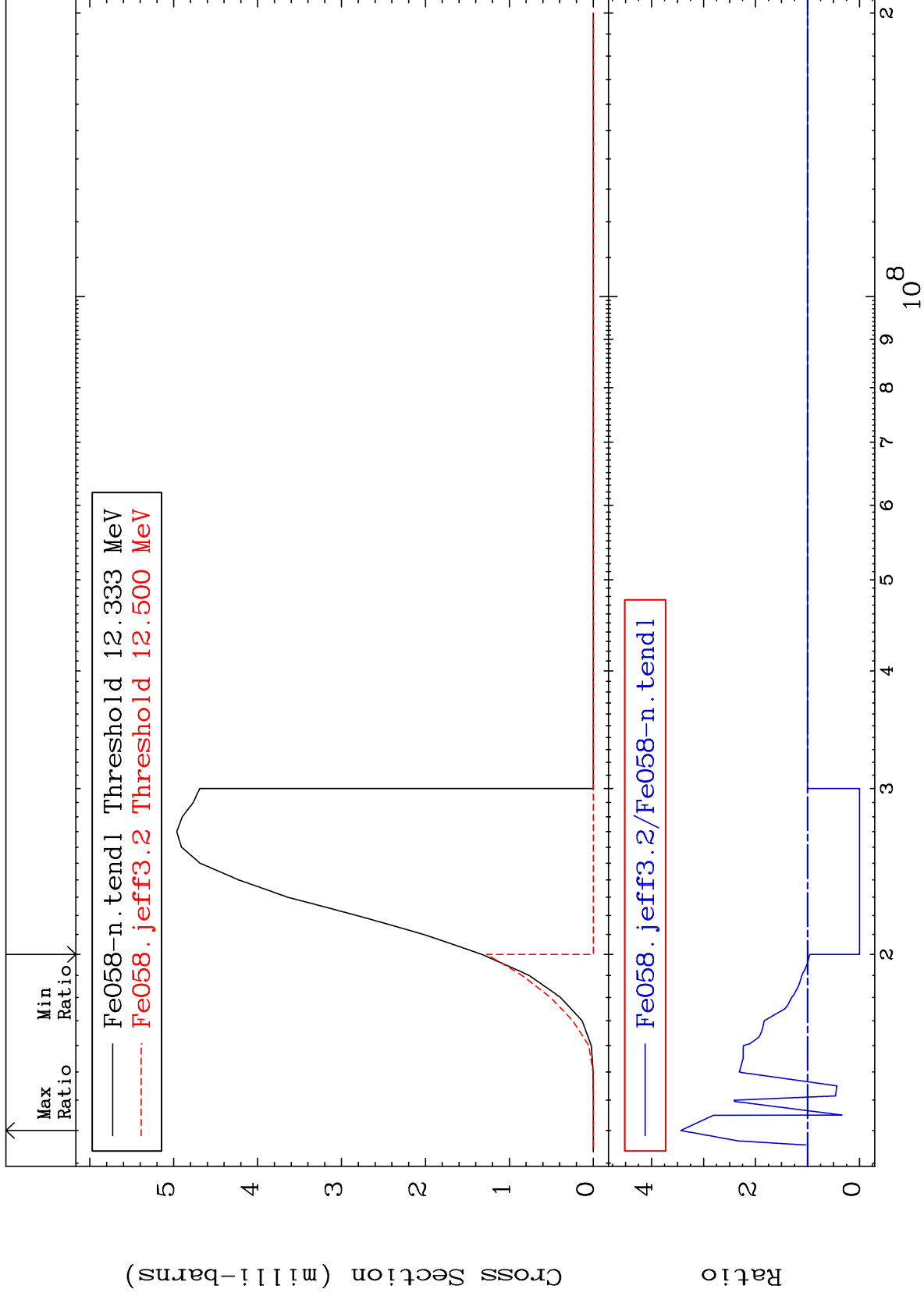


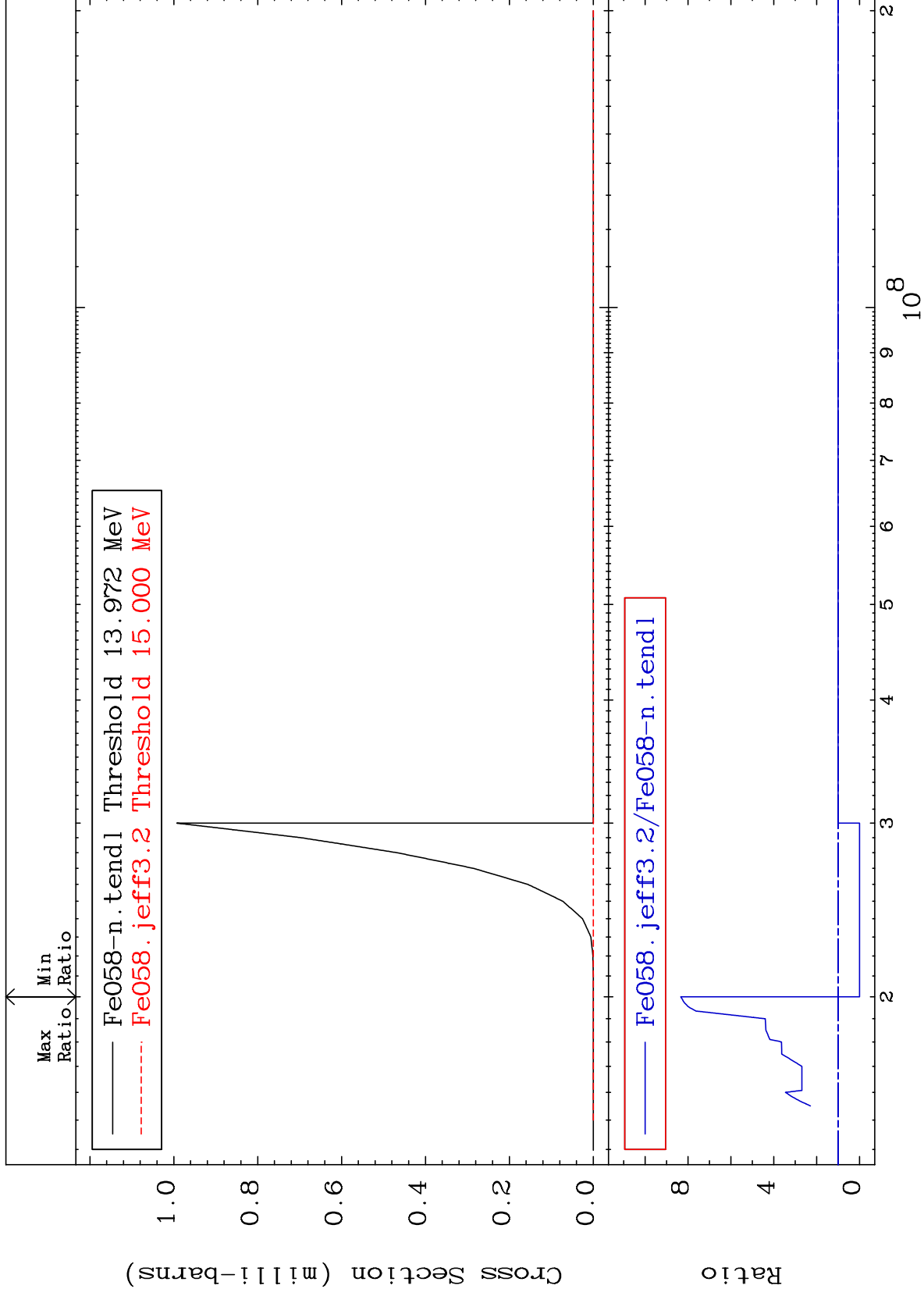
32

Incident Energy (eV)

<sup>26</sup>Fe-58







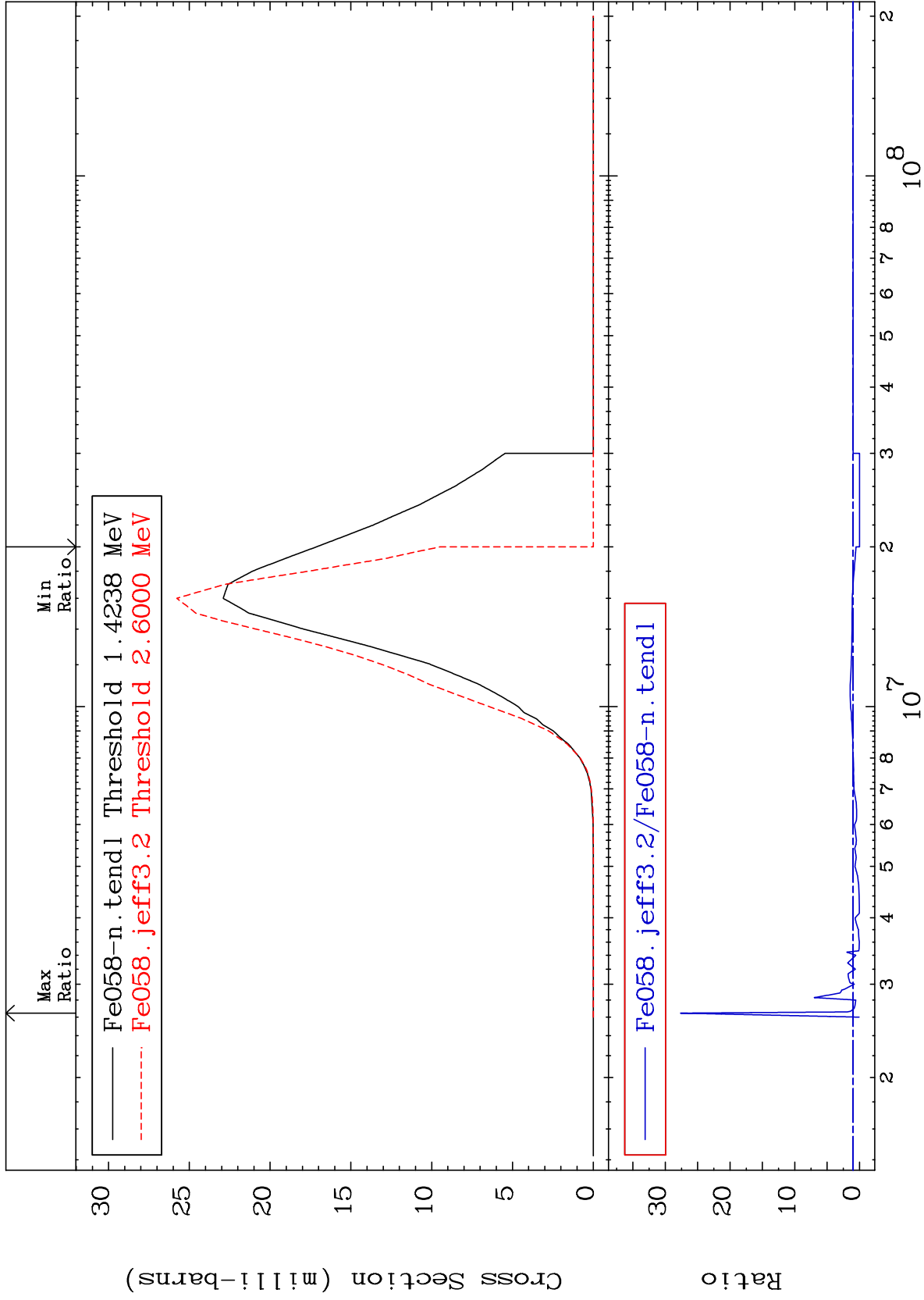
MAT 2637

(n,  $\alpha$ )

<sup>26</sup>Fe-58

Cross Section

-100.0 To 2661. %



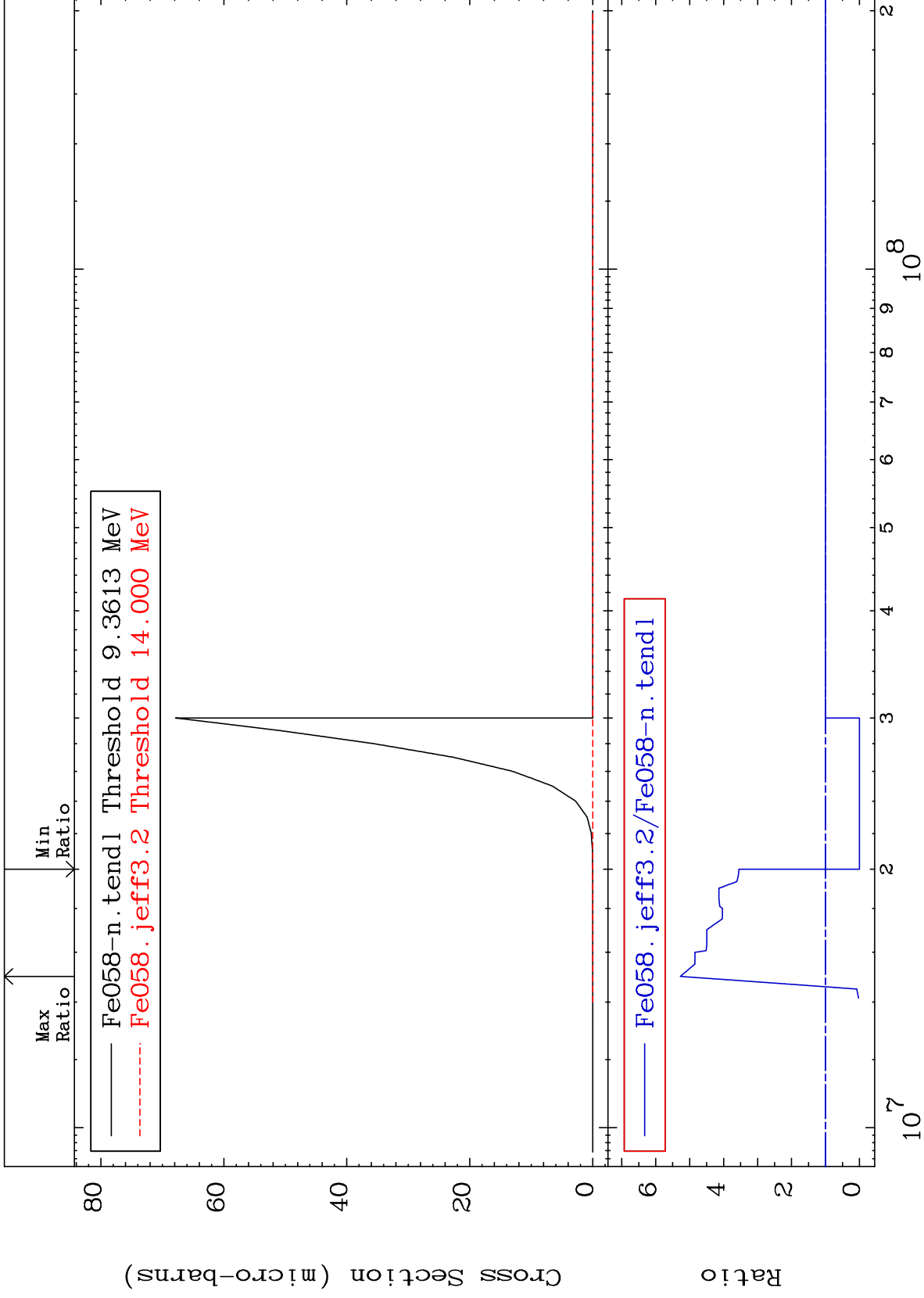
MAT 2637

(n,2α)

<sup>26</sup>Fe-58

Cross Section

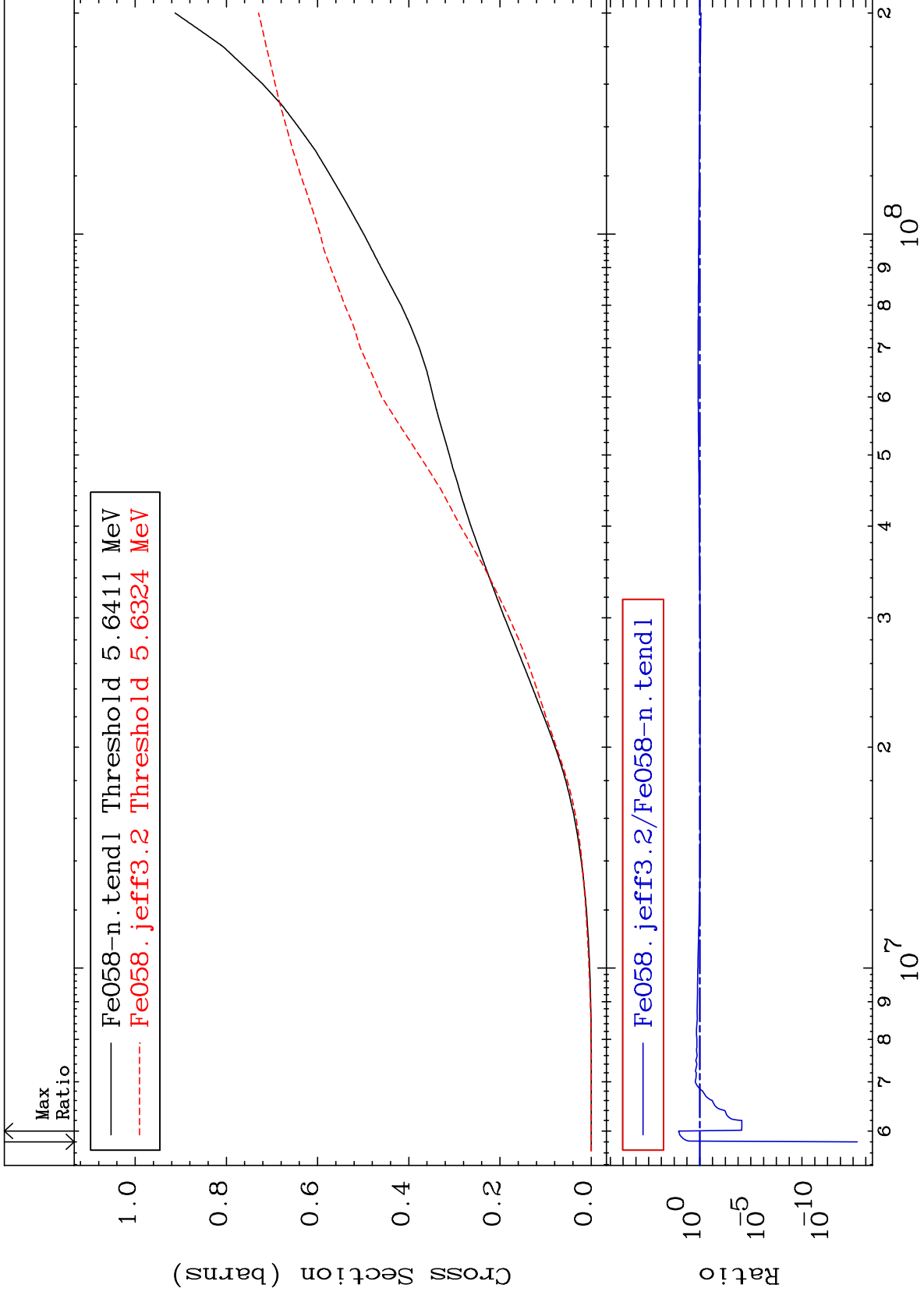
-100.0 To 427.4 %



36

Incident Energy (eV)

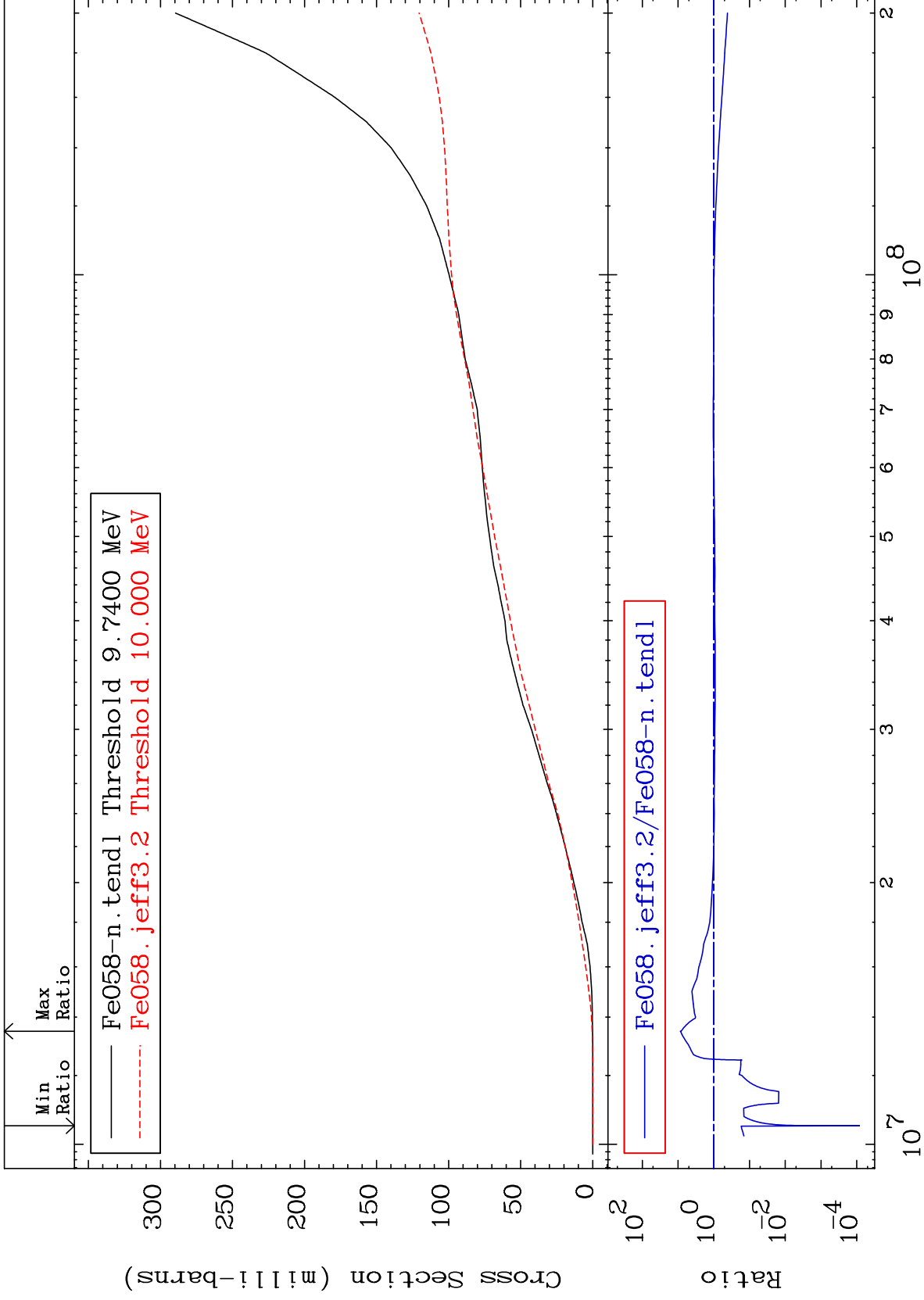
<sup>26</sup>Fe-58



MAT 2637

Deuterium Production  
Cross Section

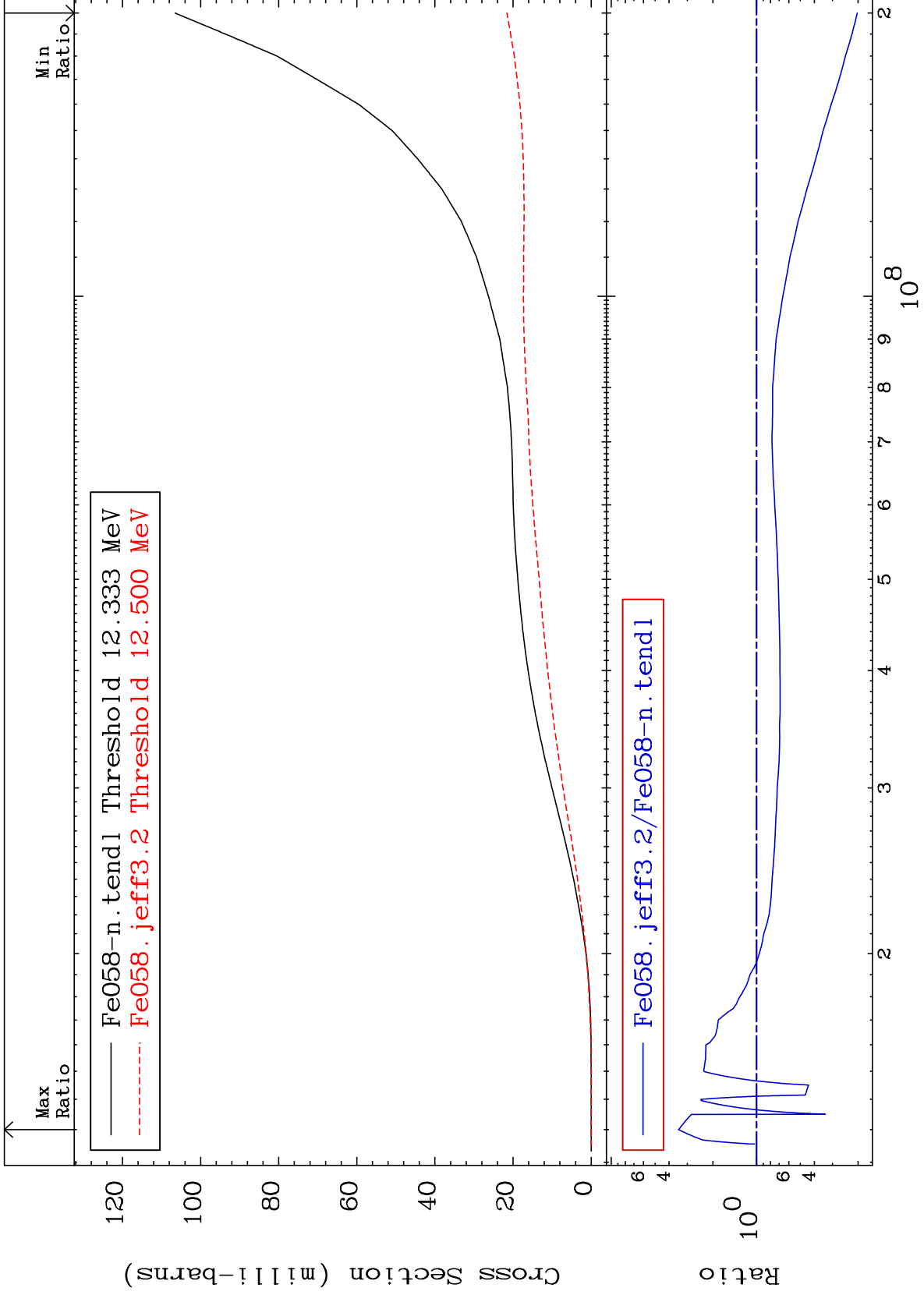
<sup>26</sup>Fe-58  
-99.99 To 760.4 %



38

Incident Energy (eV)

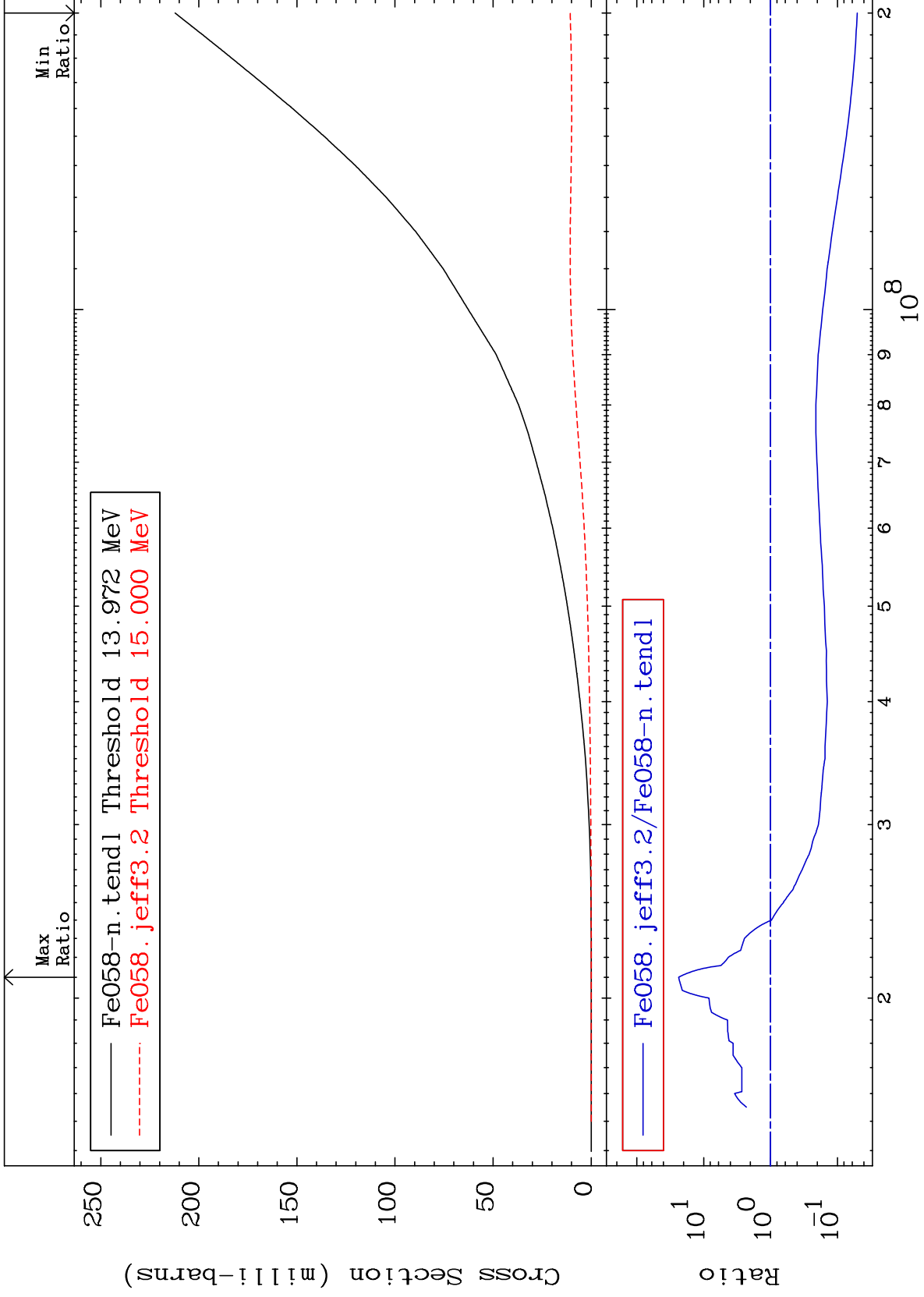
<sup>26</sup>Fe-58



MAT 2637

He-3 Production  
Cross Section

<sup>26</sup>Fe-58  
-94.95 To 2273. %

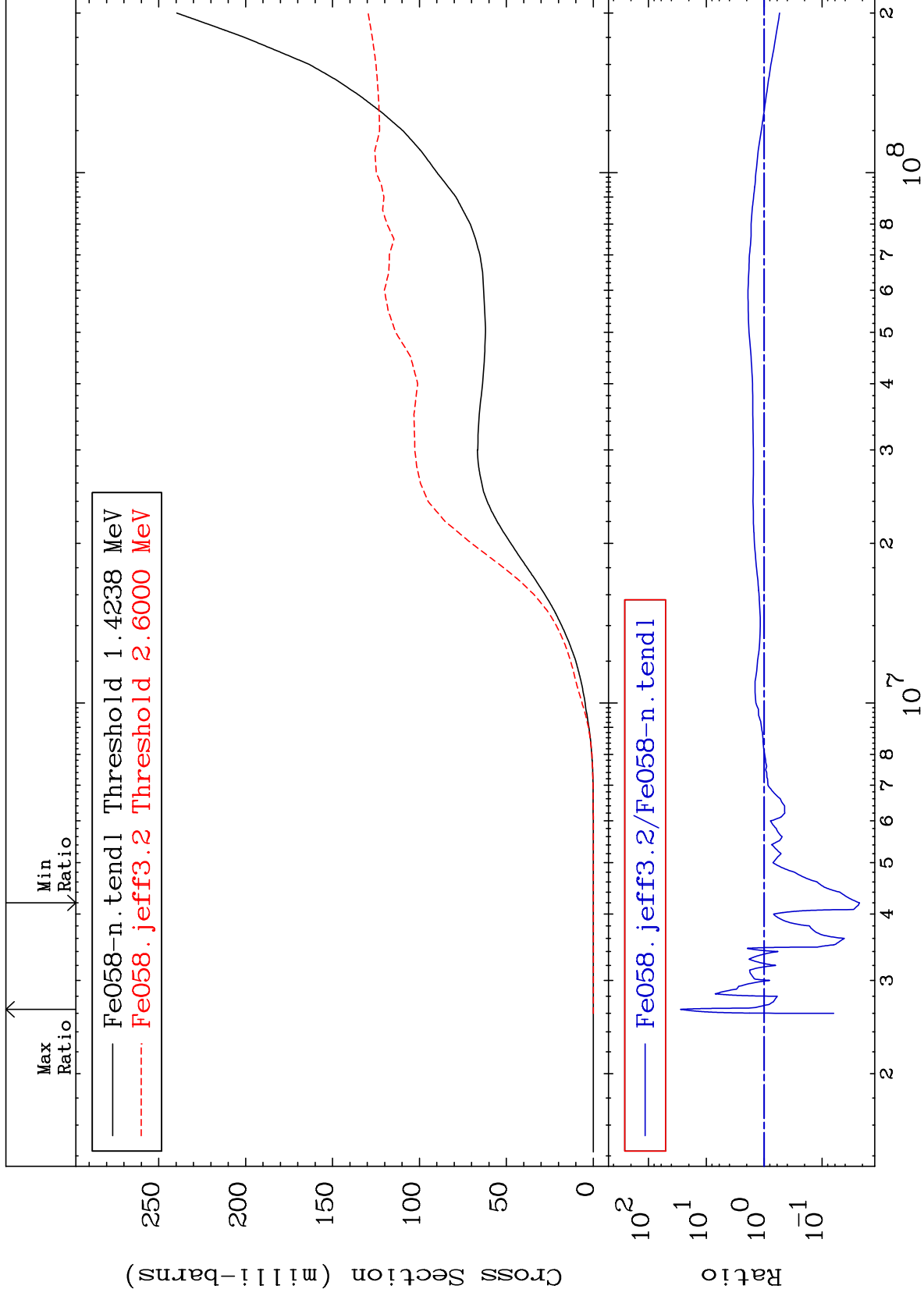


40

Incident Energy (eV)

<sup>26</sup>Fe-58

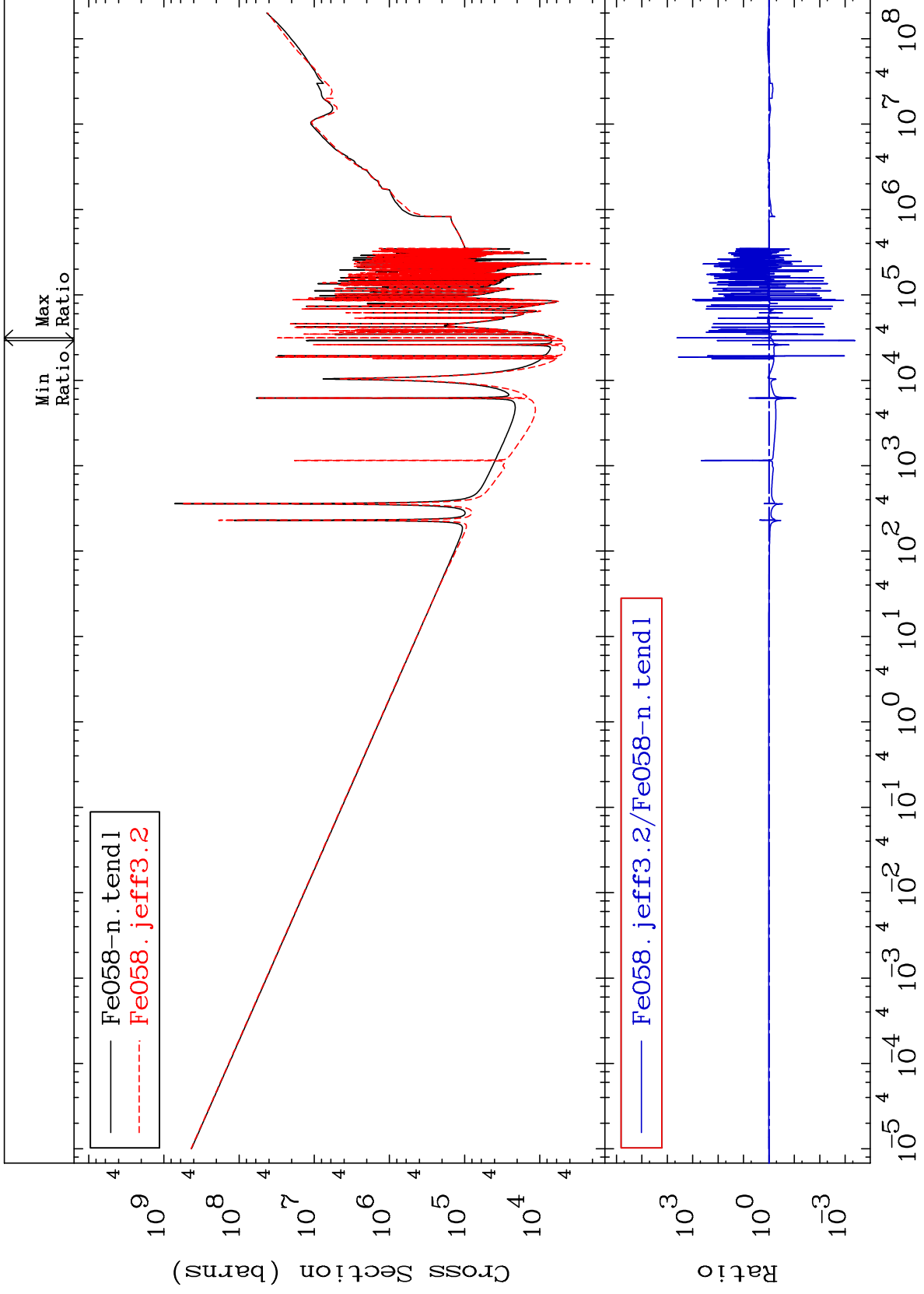




MAT 2637

Kerma total (eV-barns)  
Cross Section

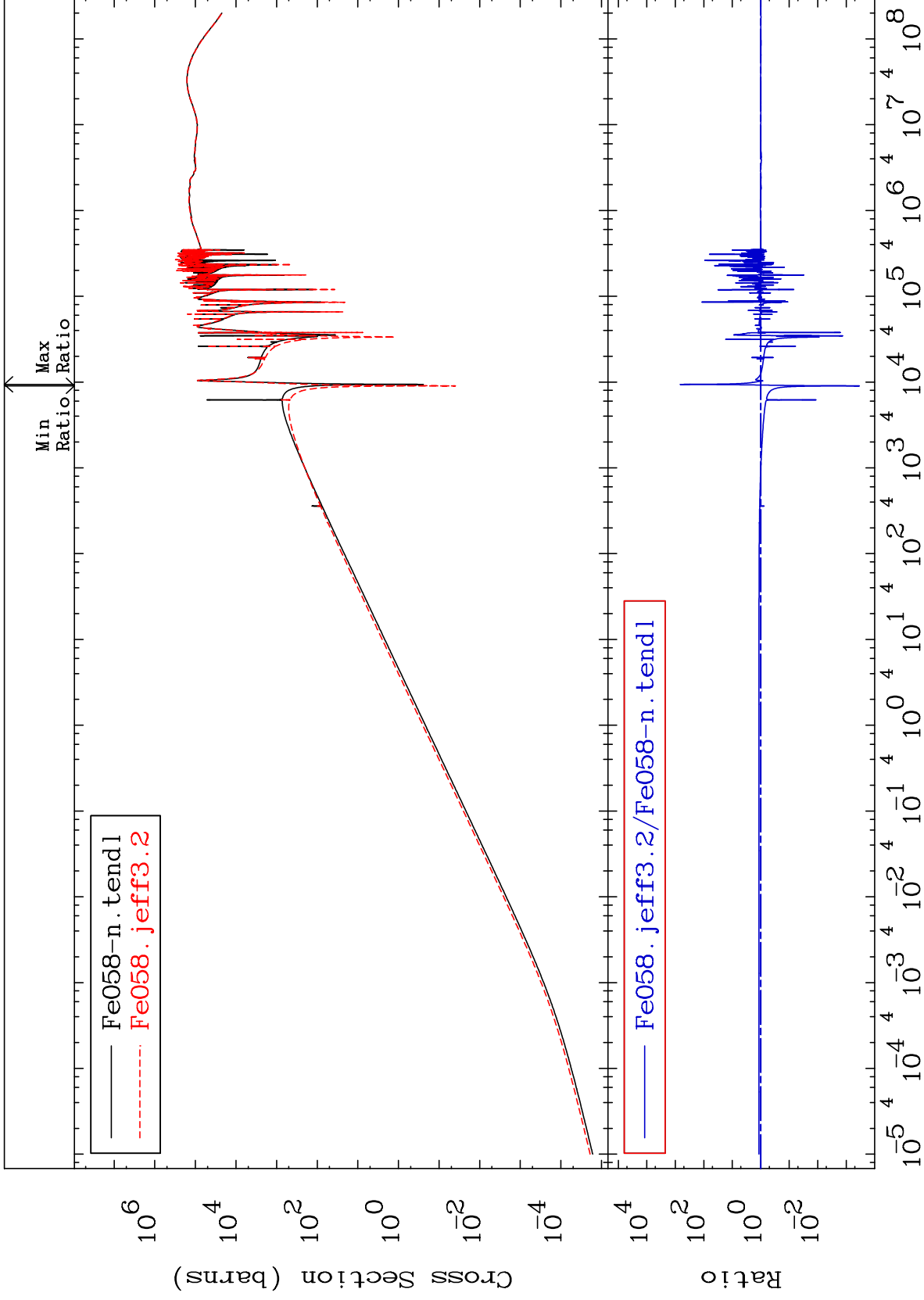
26-Fe-58  
-99.96 To 9999. %



42

Incident Energy (eV)

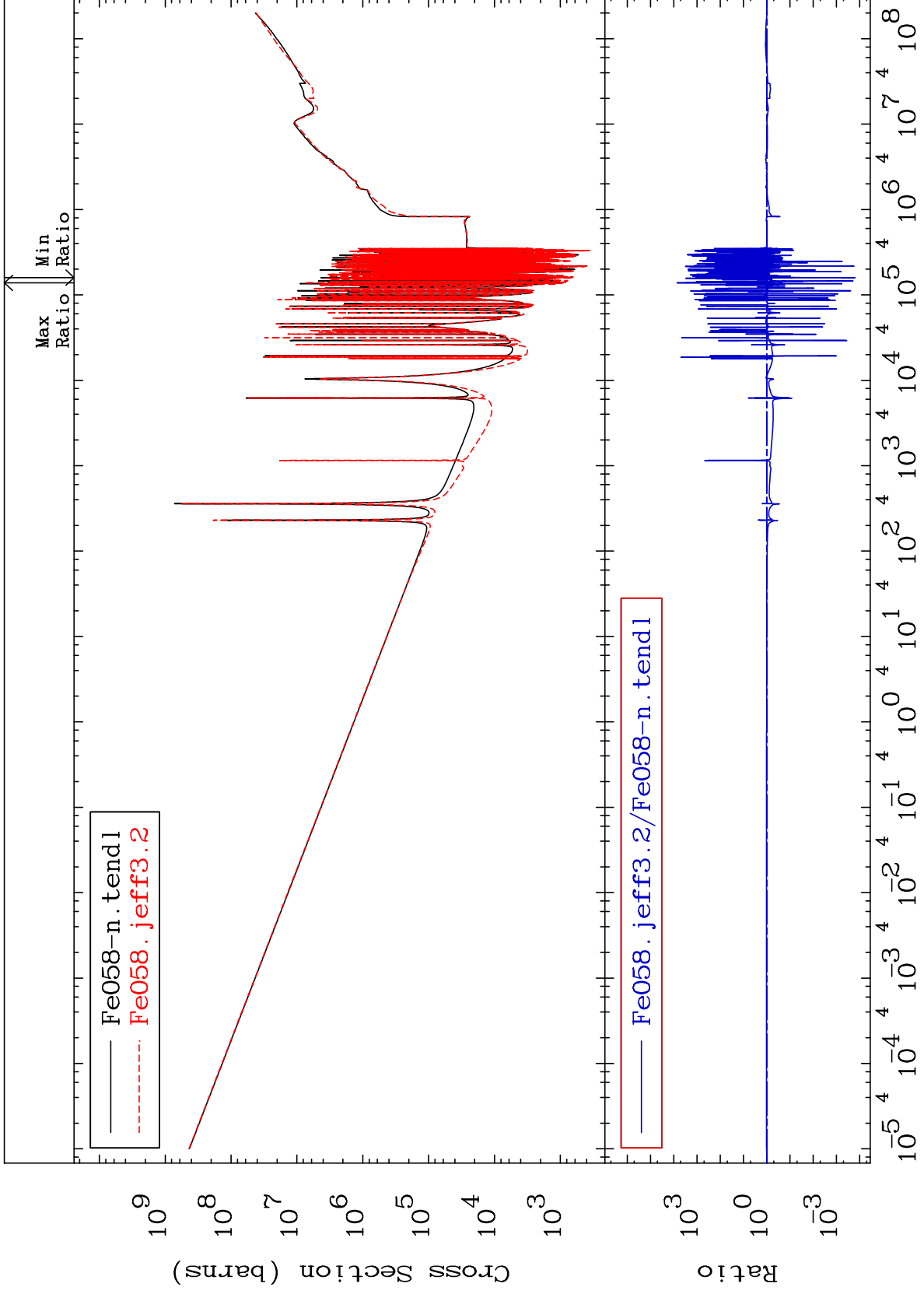
26-Fe-58



MAT 2637

Kerma non-elastic (all but mt2)  
Cross Section

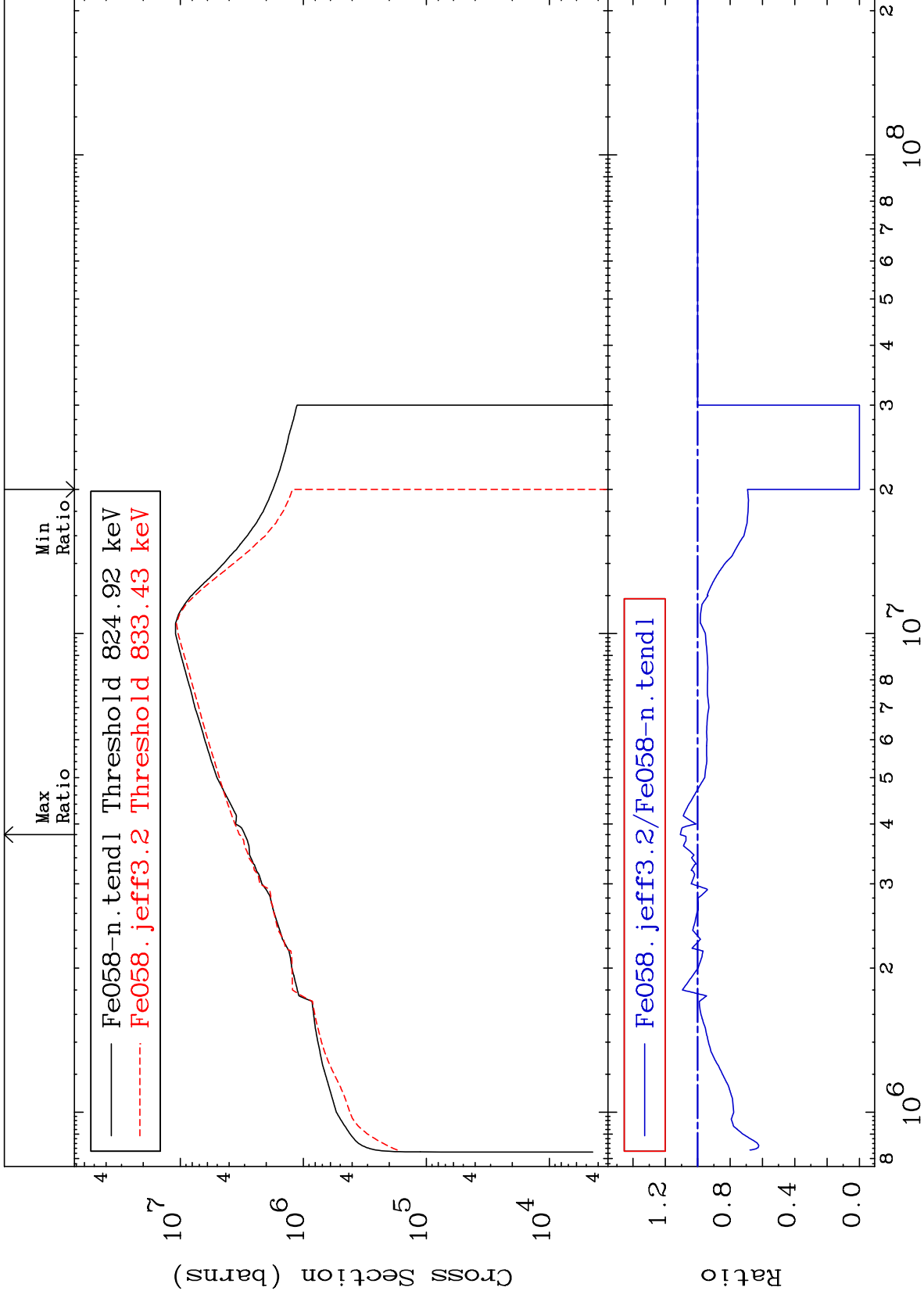
26-Fe-58  
-99.98 To 9999. %



MAT 2637

Kerma inelastic (mt51-91)  
Cross Section

26-Fe-58  
-100.0 To 10.72 %



45

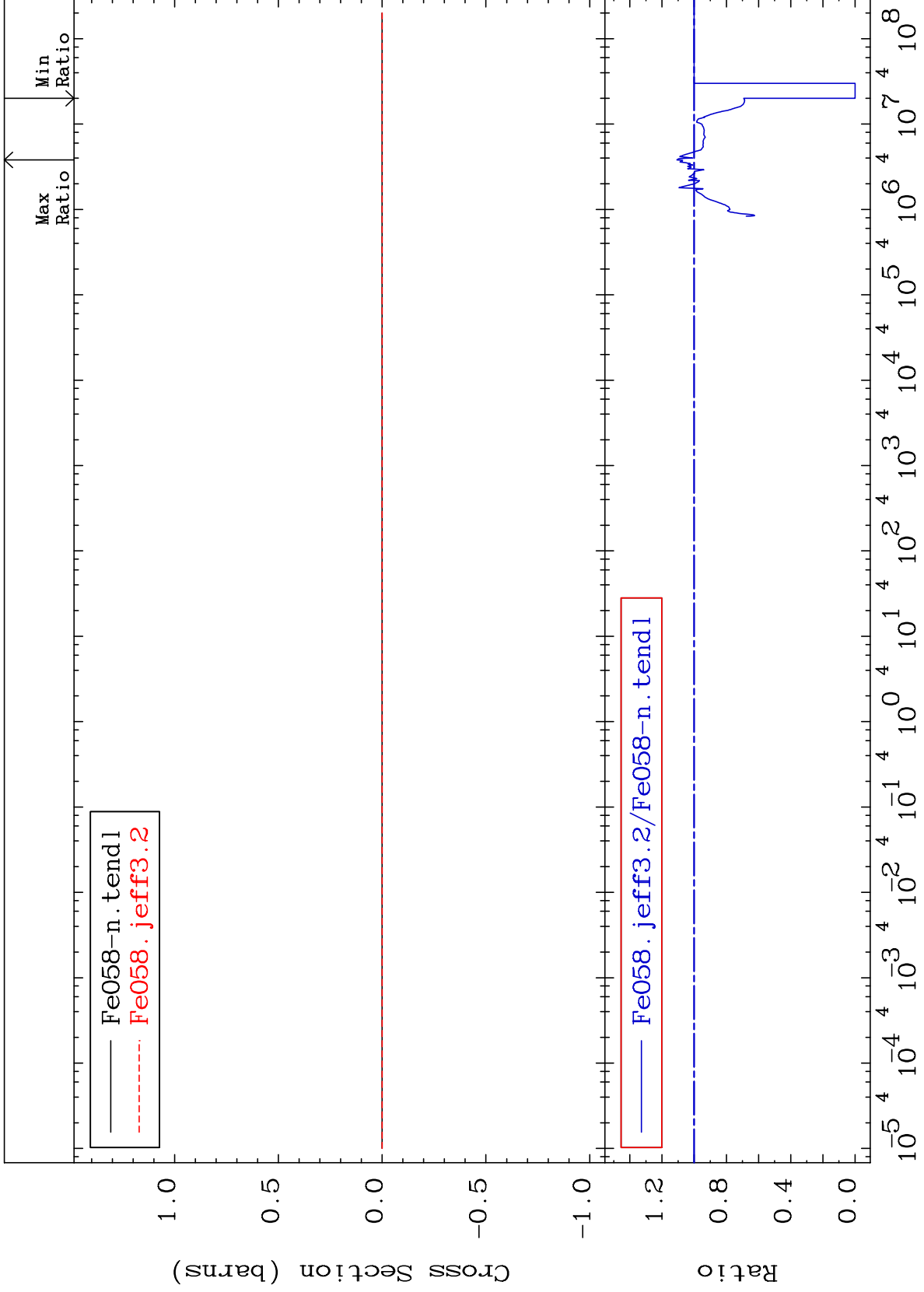
Incident Energy (eV)

26-Fe-58

MAT 2637

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

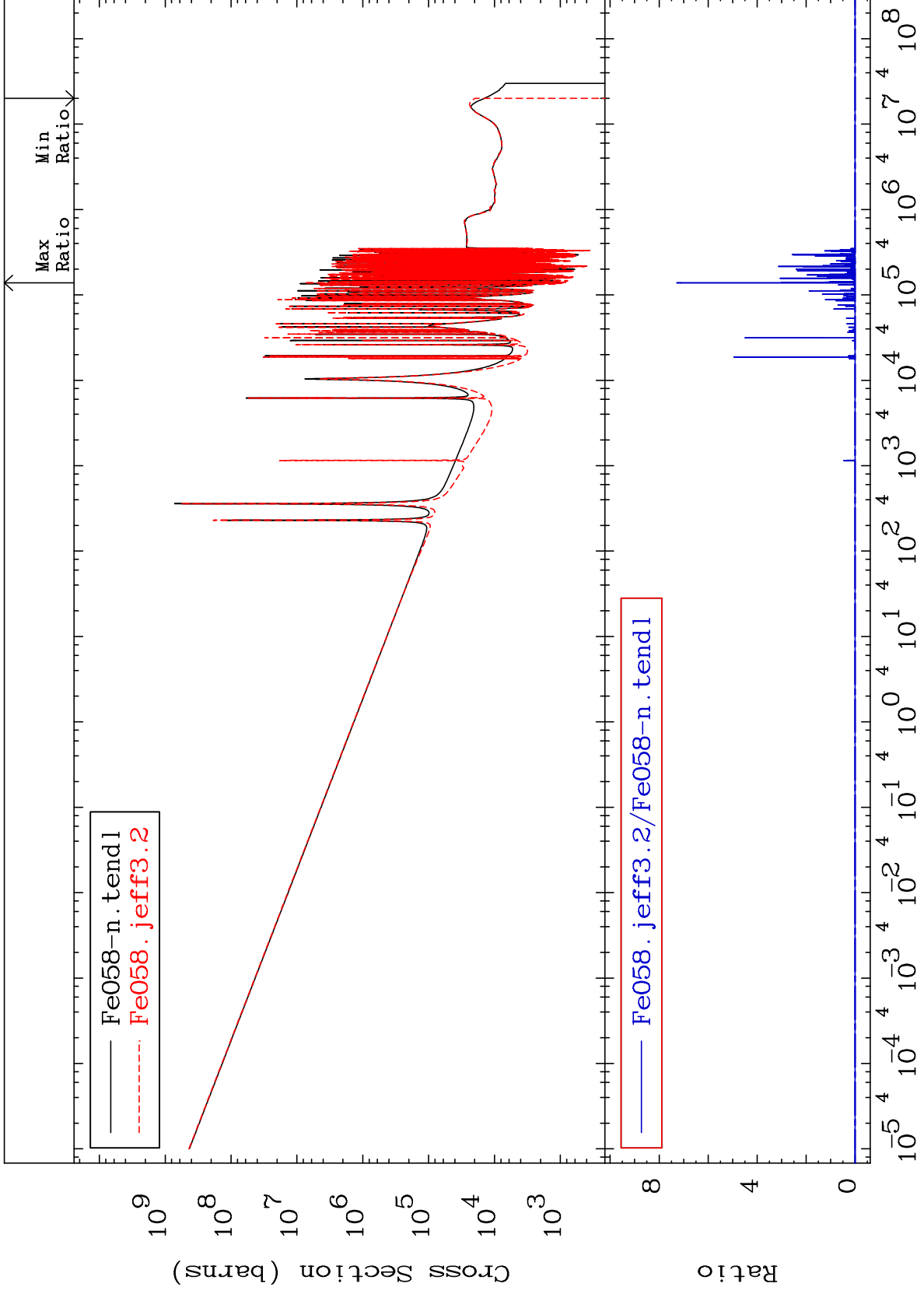
26-Fe-58  
-100.0 To 10.72 %



MAT 2637

Kerma capture (mt102)  
Cross Section

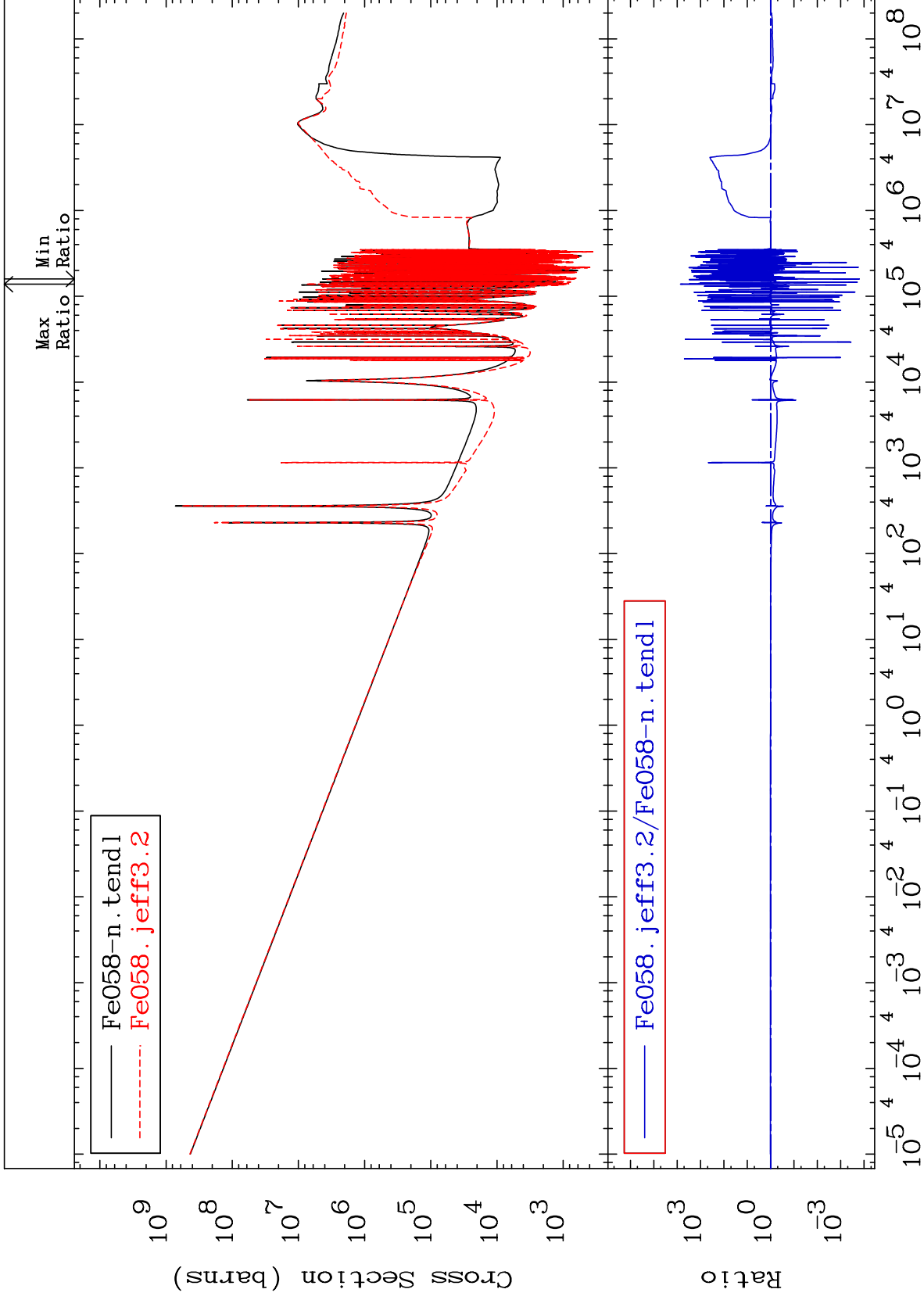
26-Fe-58  
-100.0 To 9999. %



MAT 2637

Total photon (eV-barns)  
Cross Section

26-Fe-58  
-99.98 To 9999. %

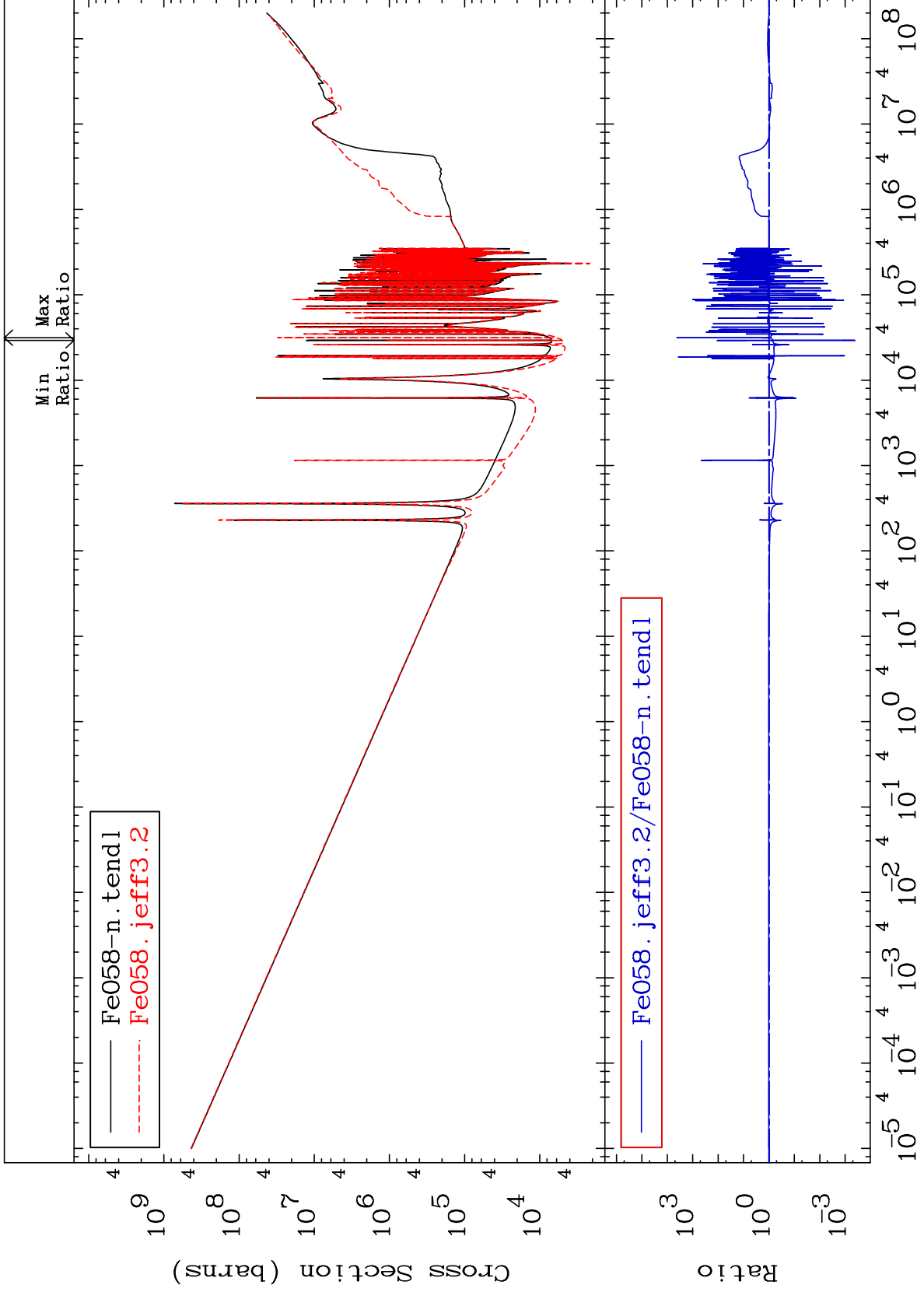


48

Incident Energy (eV)

26-Fe-58

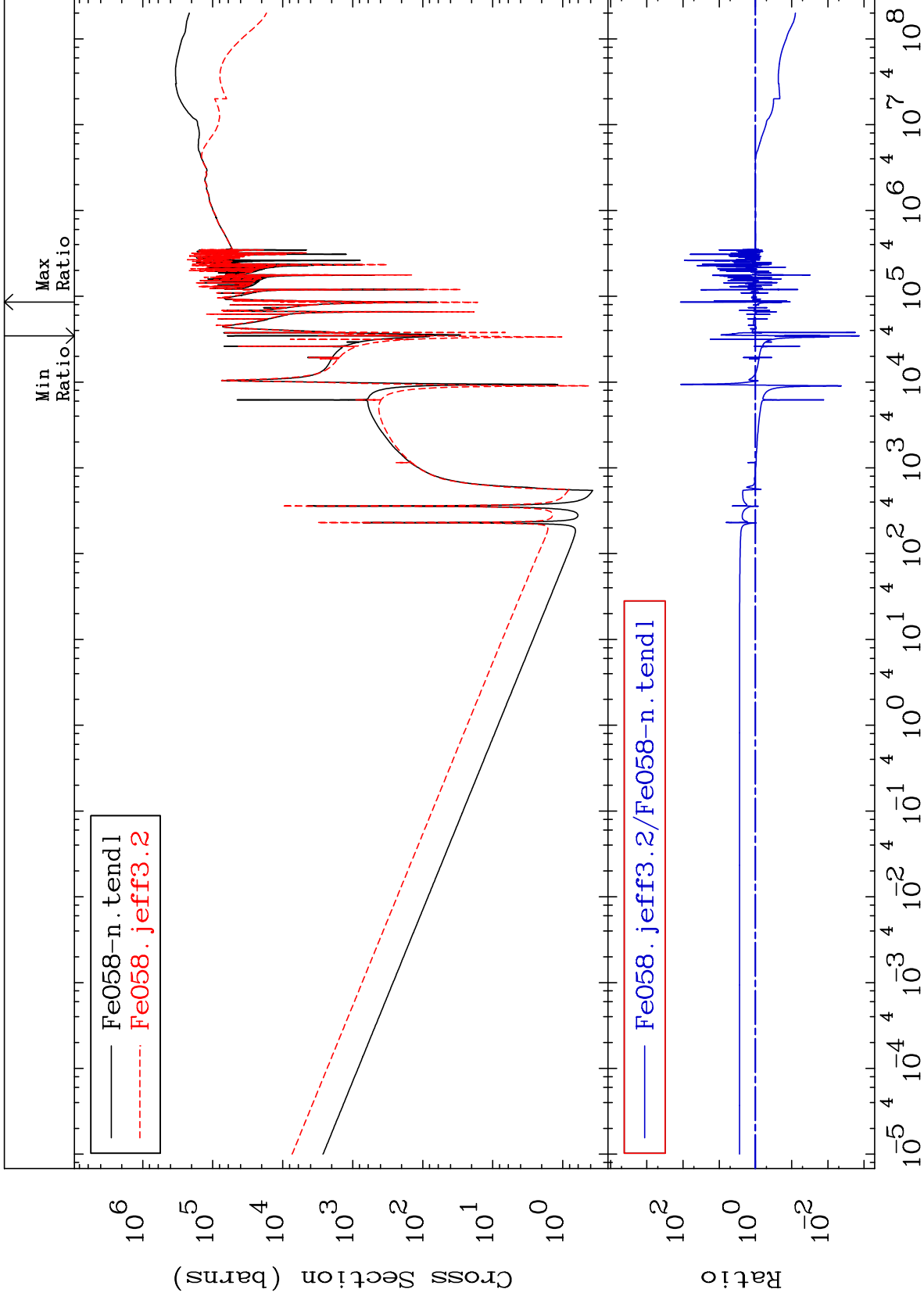




MAT 2637

Dpa total (eV-barns)  
Cross Section

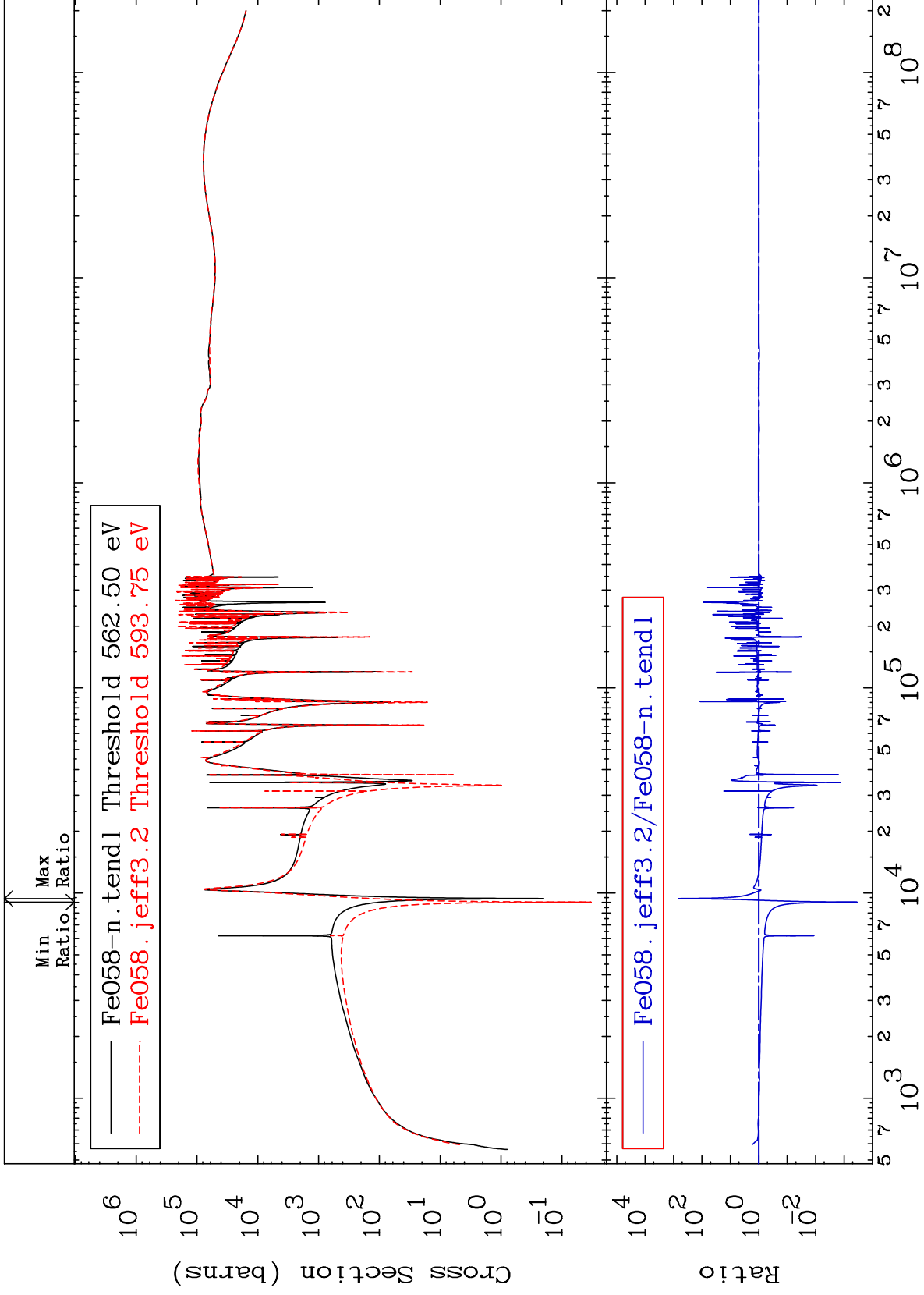
26-Fe-58  
-99.87 To 9999. %



50

Incident Energy (eV)

26-Fe-58



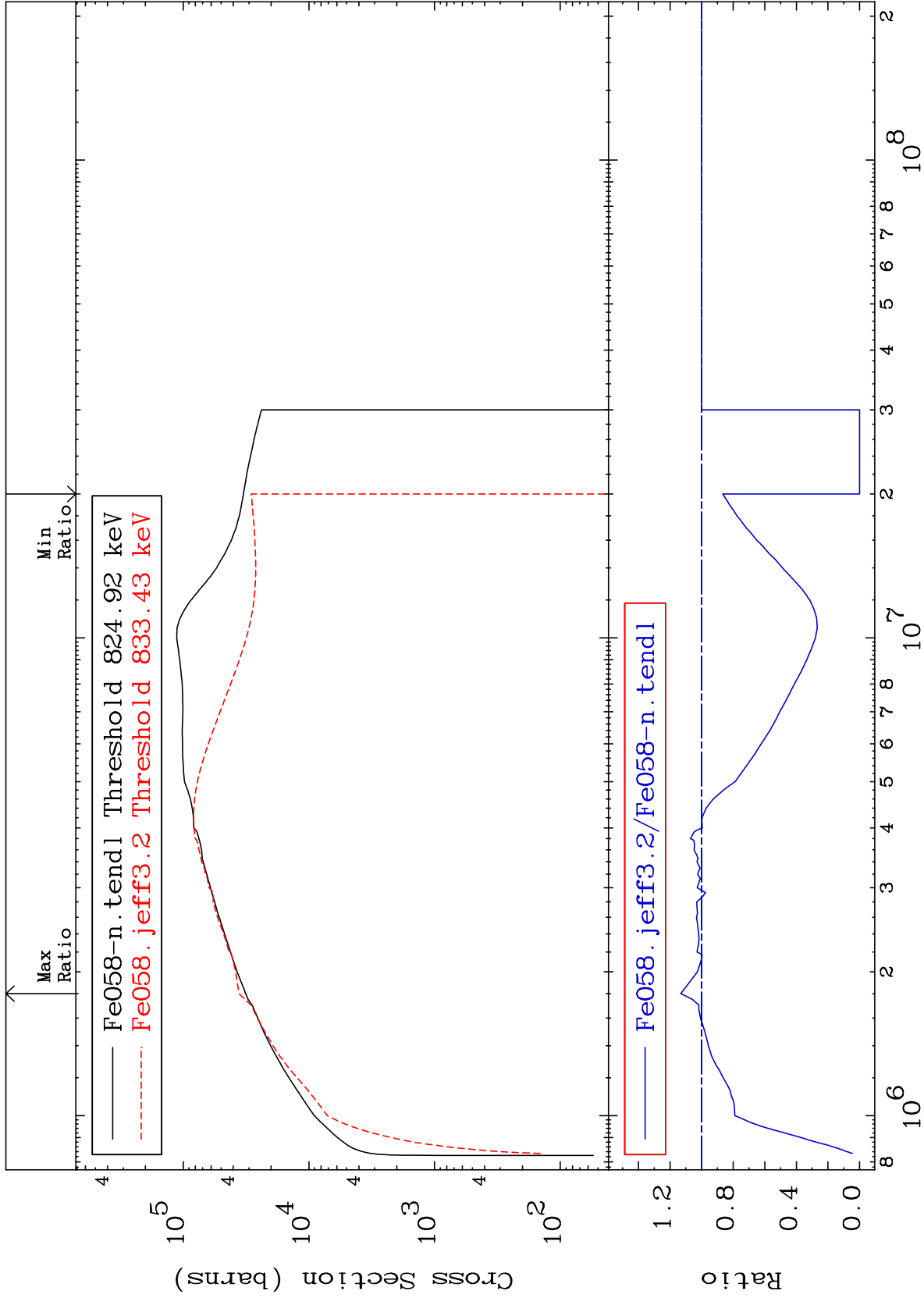
MAT 2637

Dpa inelastic (mt51-91)

<sup>26</sup>Fe-58

-100.0 To 13.19 %

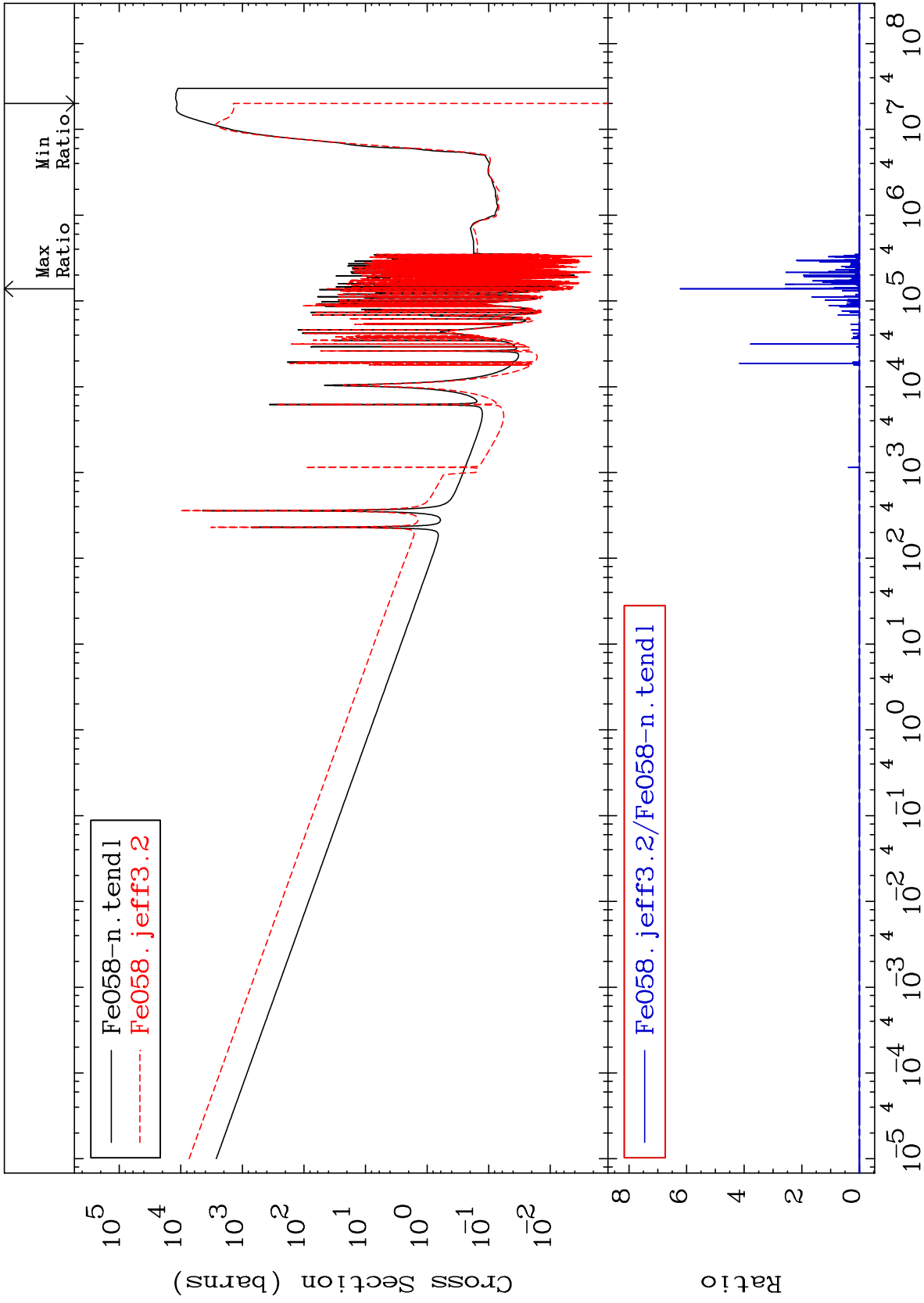
Cross Section



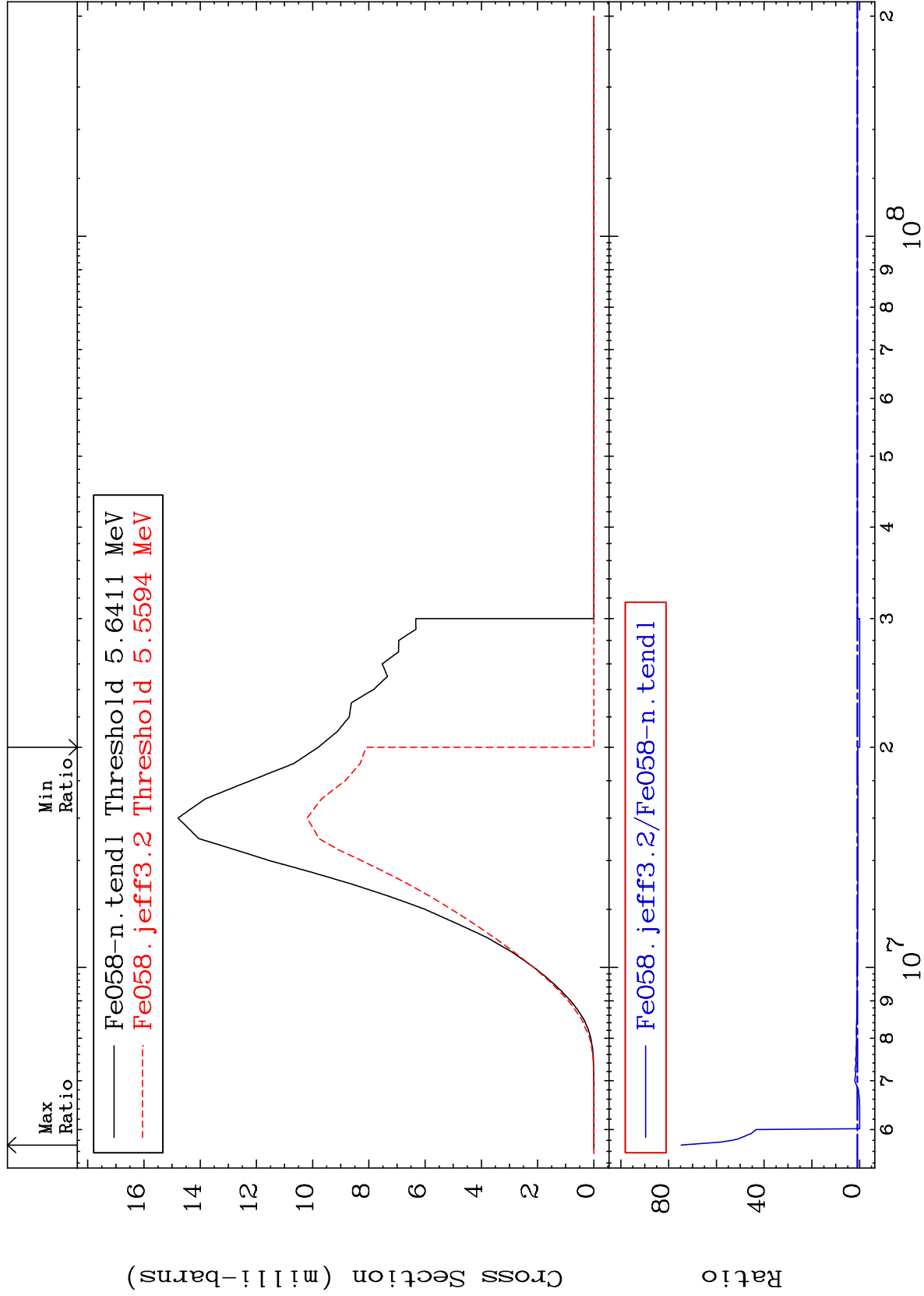
52

Incident Energy (eV)

<sup>26</sup>Fe-58



Radionuclide Production Cross Section -100.0 To 7374. %

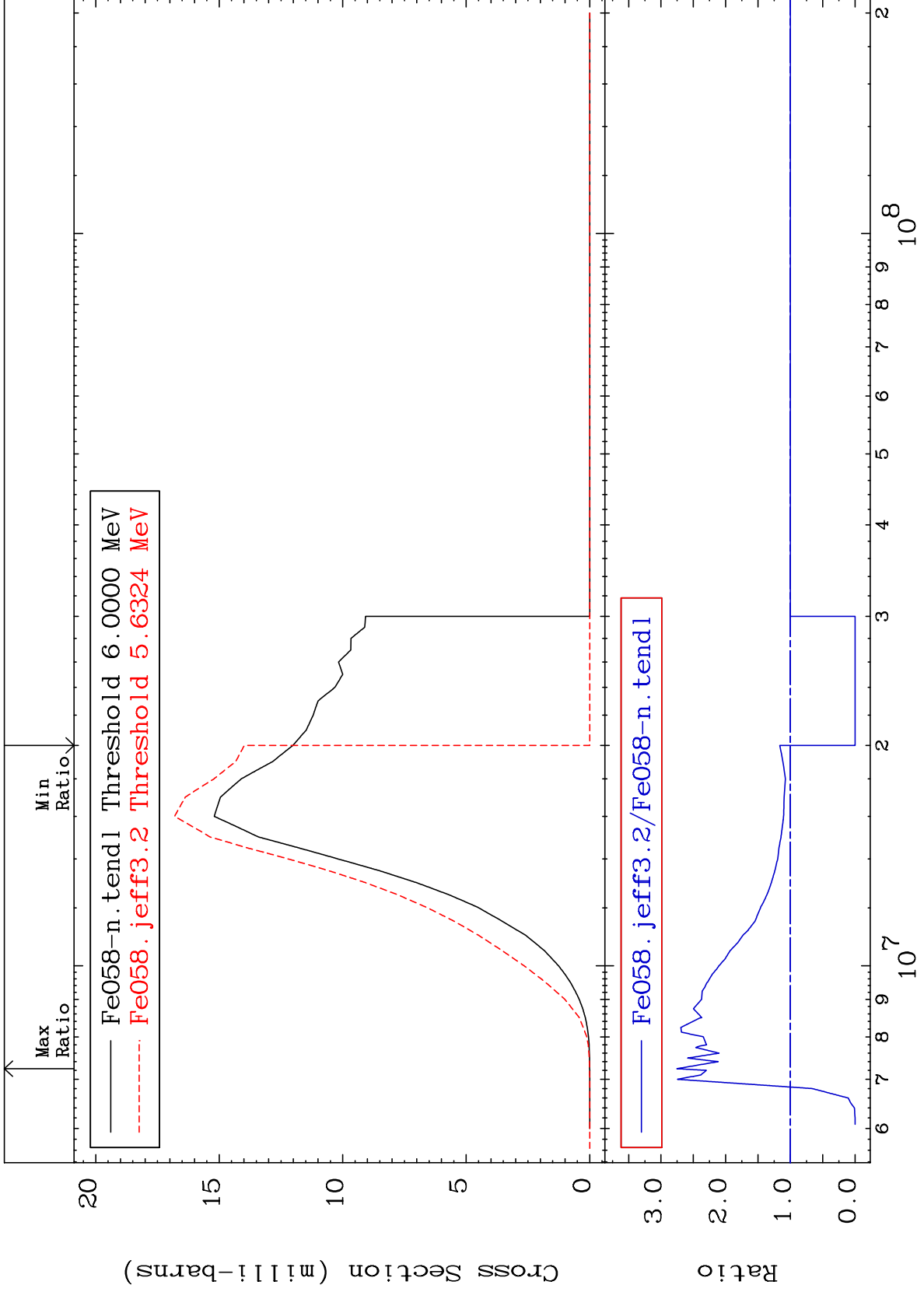


MAT 2637

(n, p) : 25-Mn-58m1

26-Fe-58

Radionuclide Production Cross Section -100.0 To 175.4 %



55

Incident Energy (eV)

26-Fe-58