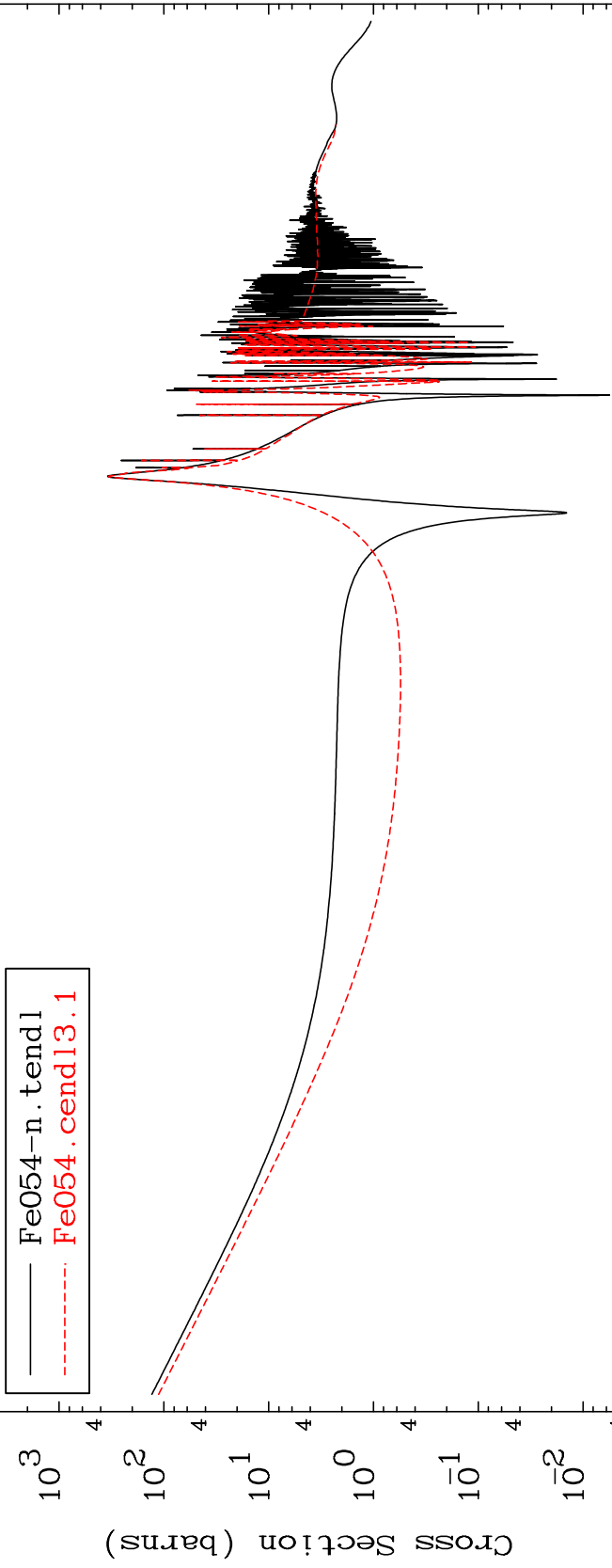


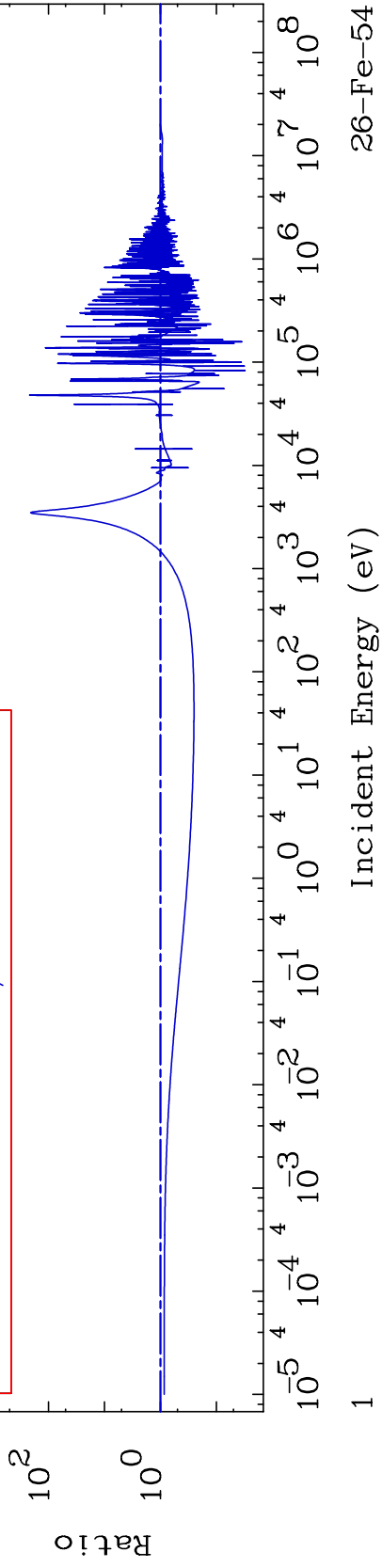
MAT 2625

Total  
Cross Section

26-Fe-54  
-96.91 To 9999. %



Fe054.cendl3.1/Fe054-n.tendl

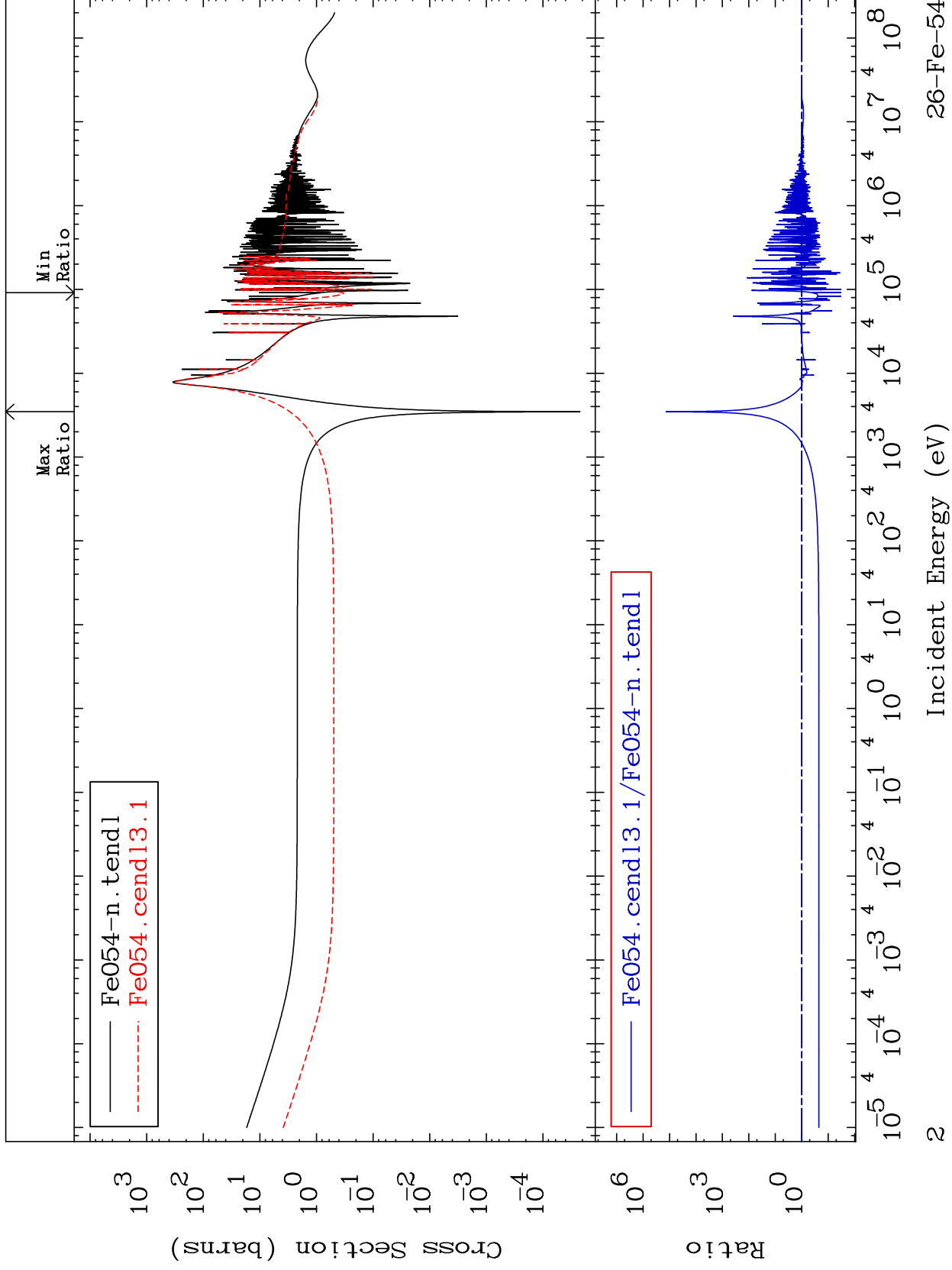


26-Fe-54

MAT 2625

Elastic  
Cross Section

26-Fe-54  
-96.66 To 9999. %



2

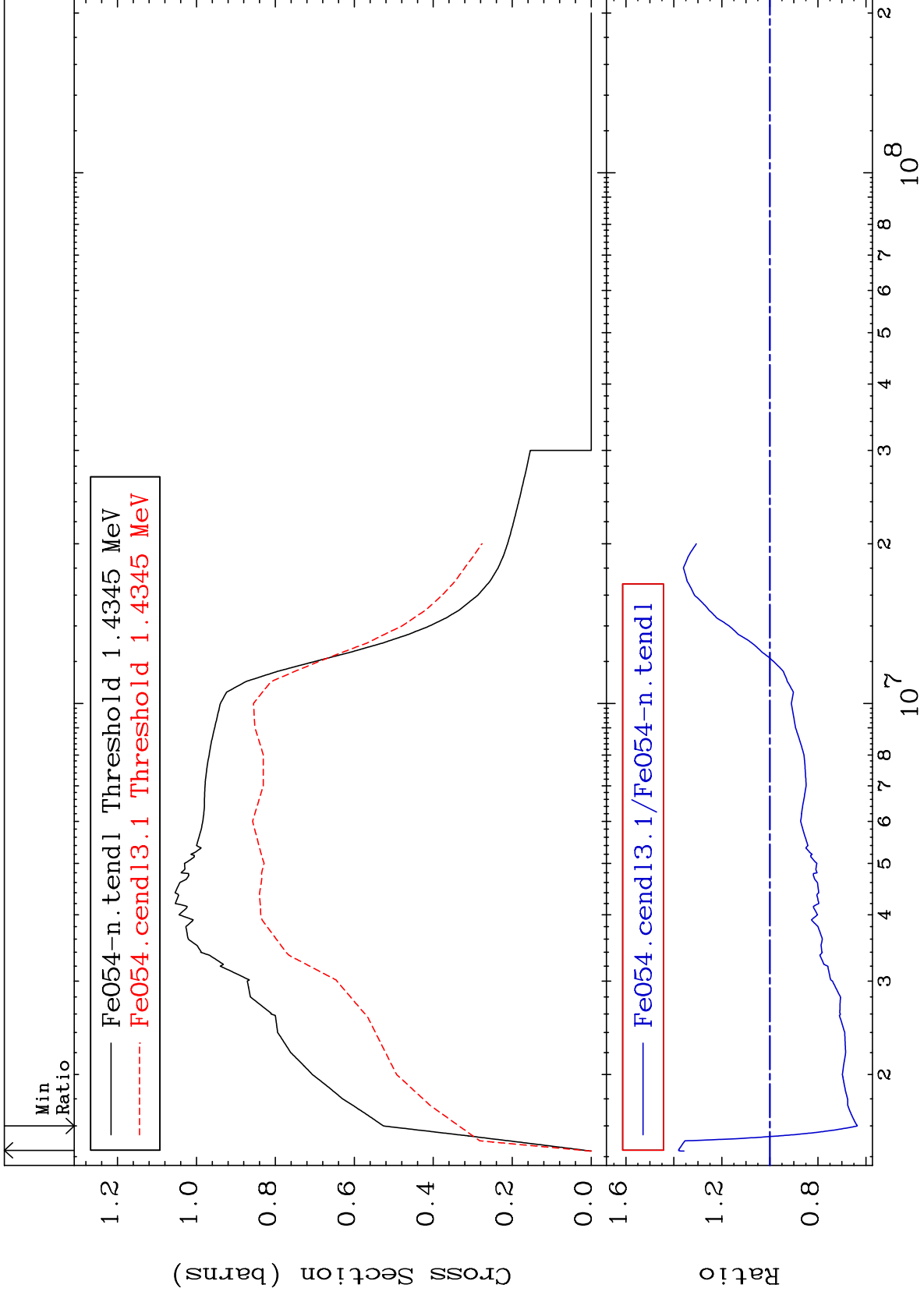
Incident Energy (eV)

26-Fe-54

MAT 2625

Inelastic  
Cross Section

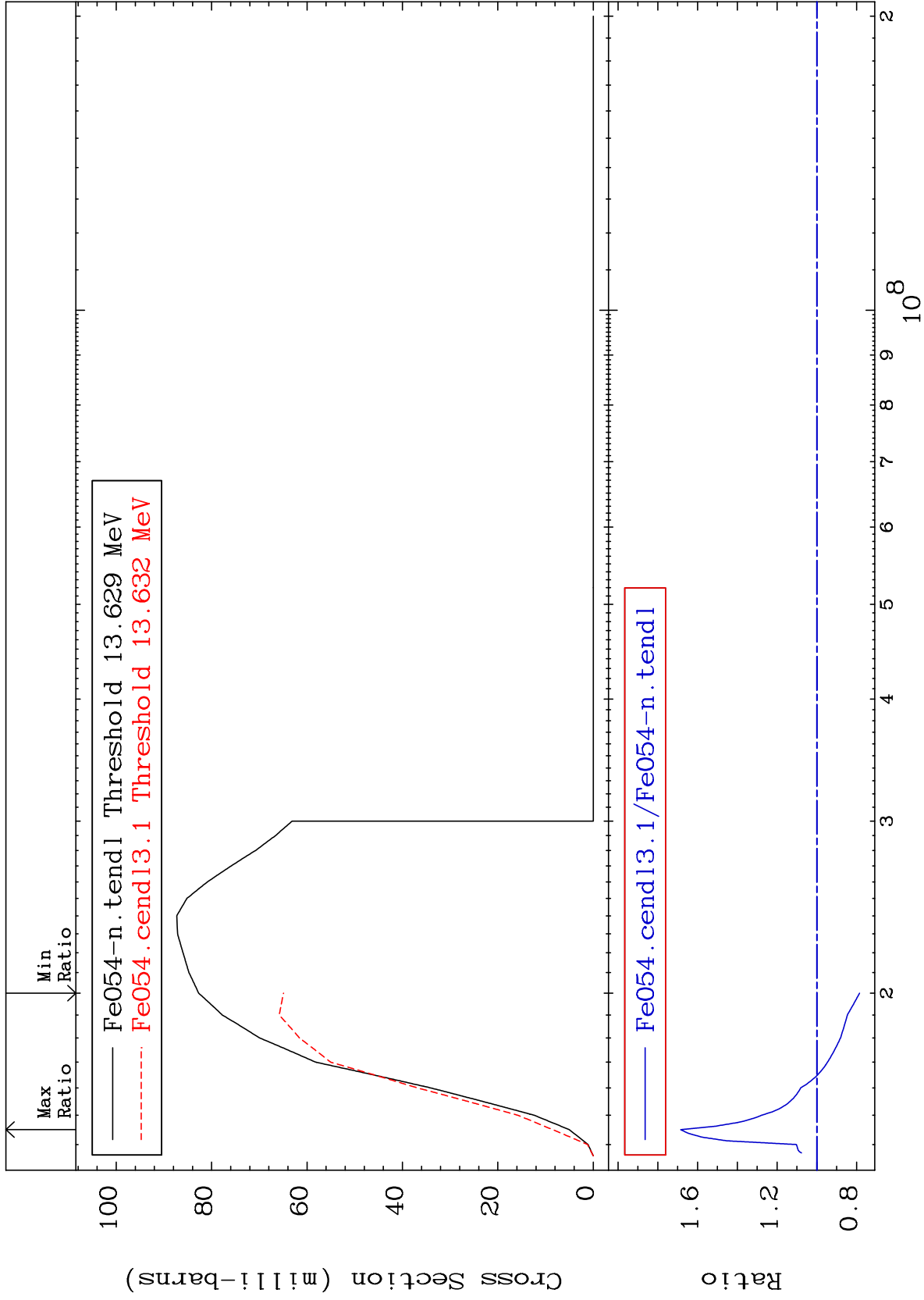
<sup>26</sup>Fe-54  
-36.40 To 38.03 %



MAT 2625

(n,2n)  
Cross Section

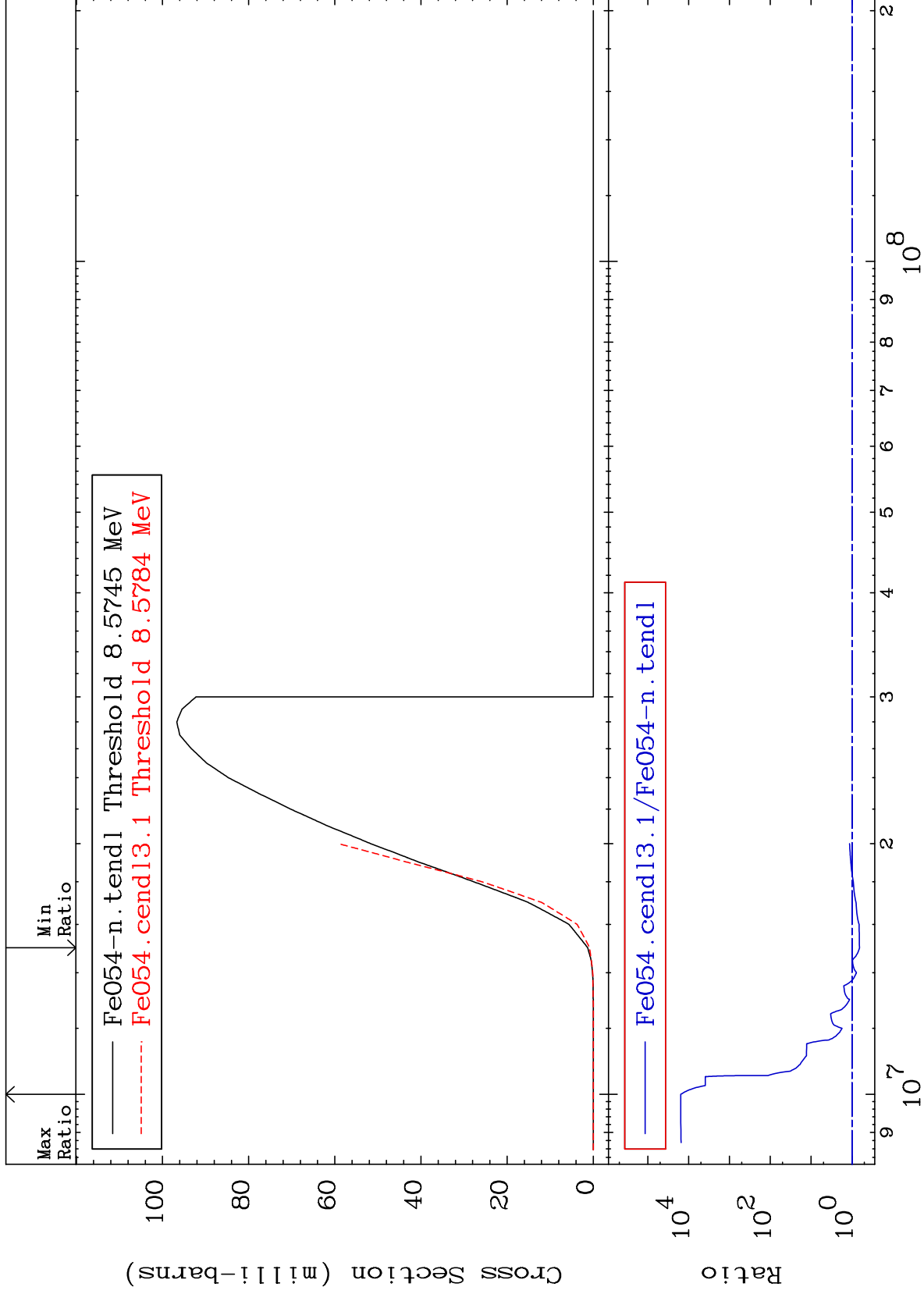
<sup>26</sup>Fe-54  
-21.49 To 68.42 %



MAT 2625

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

<sup>26</sup>Fe-54  
-34.82 To 9999. %



5

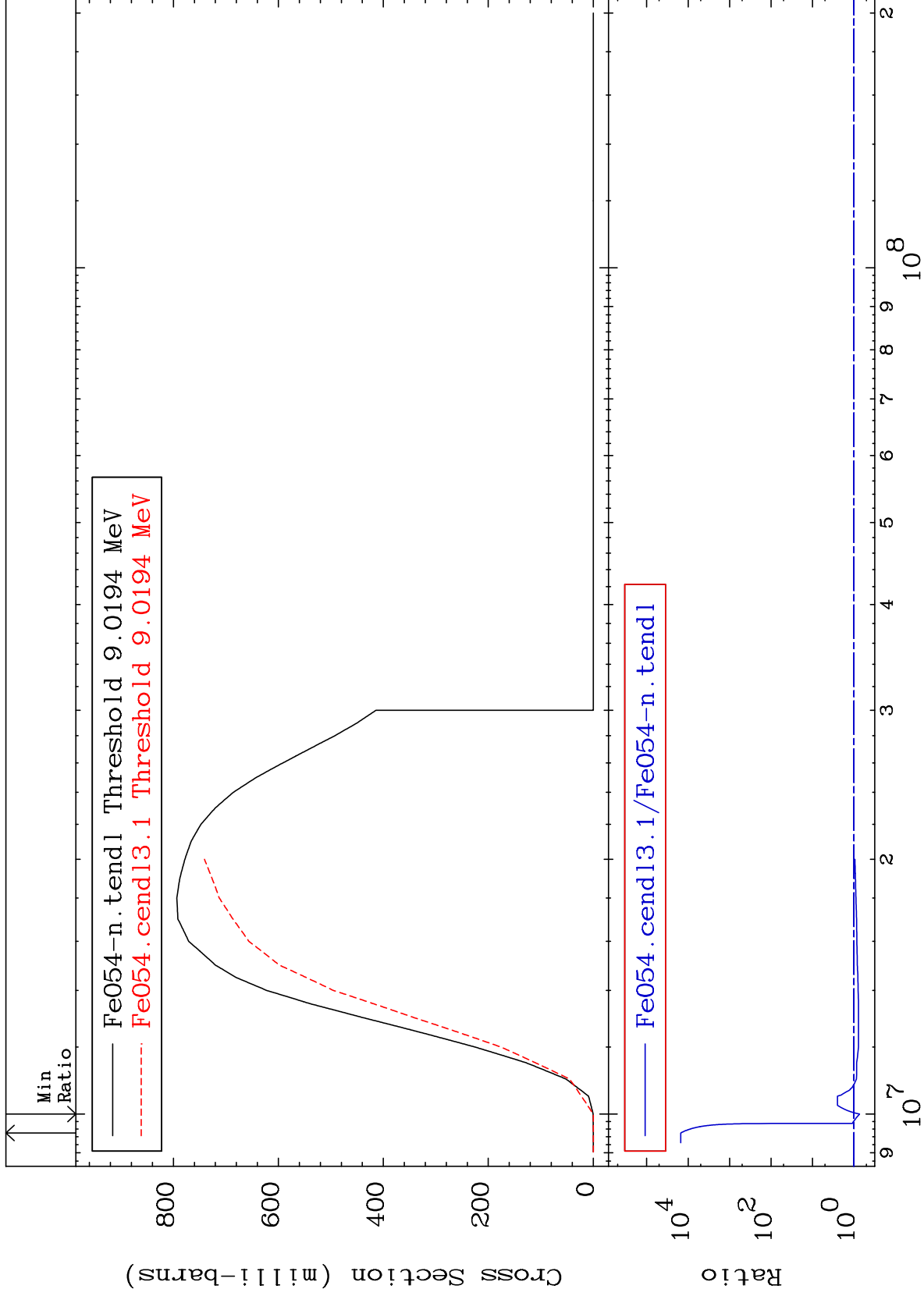
Incident Energy (eV)

<sup>26</sup>Fe-54

MAT 2625

(n, n') p  
Cross Section

<sup>26</sup>Fe-54  
-26.56 To 9999. %



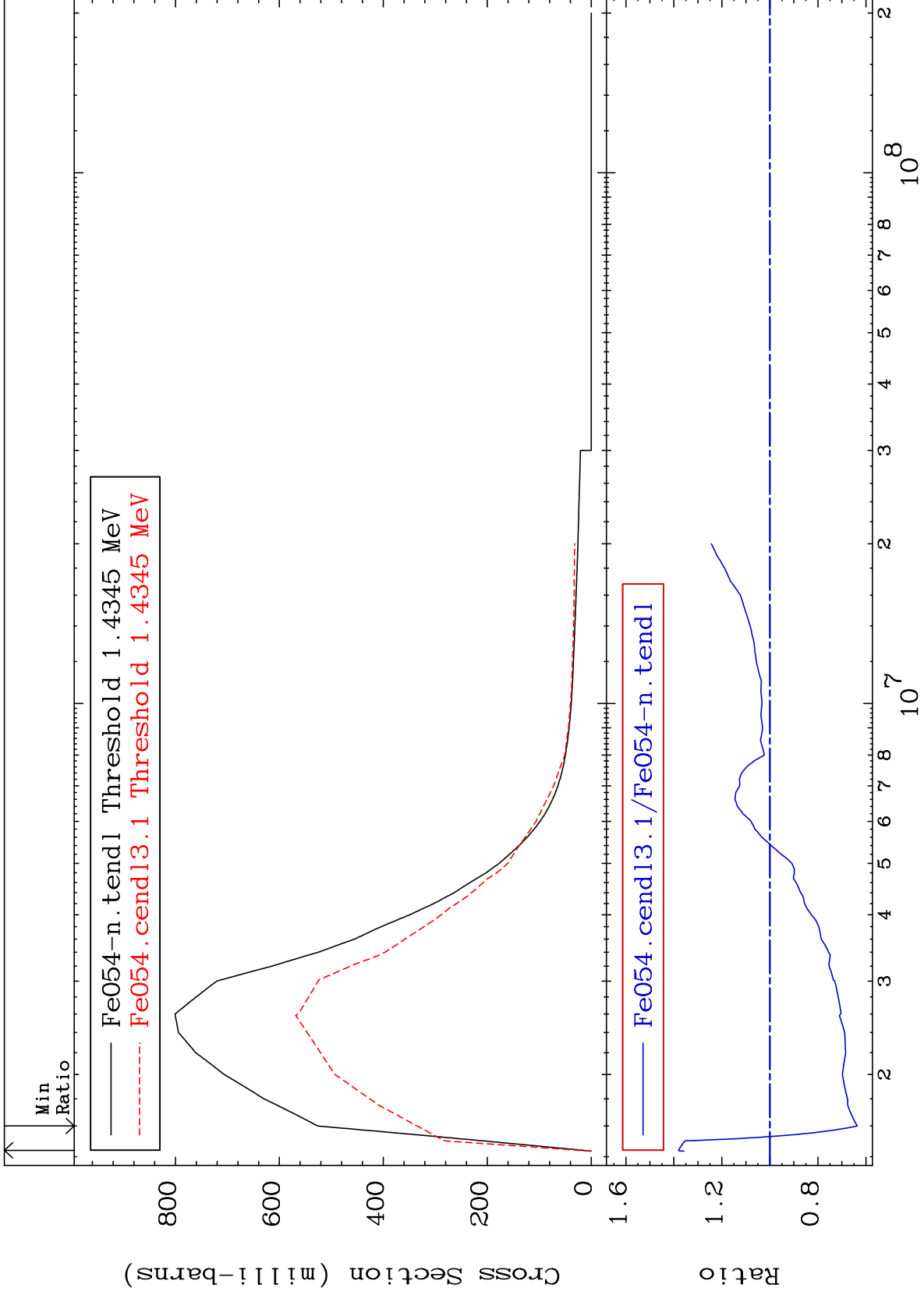
Incident Energy (eV)

<sup>26</sup>Fe-54

MAT 2625

1.408 MeV (n,n') Level  
Cross Section

<sup>26</sup>Fe-54  
-36.40 To 38.03 %



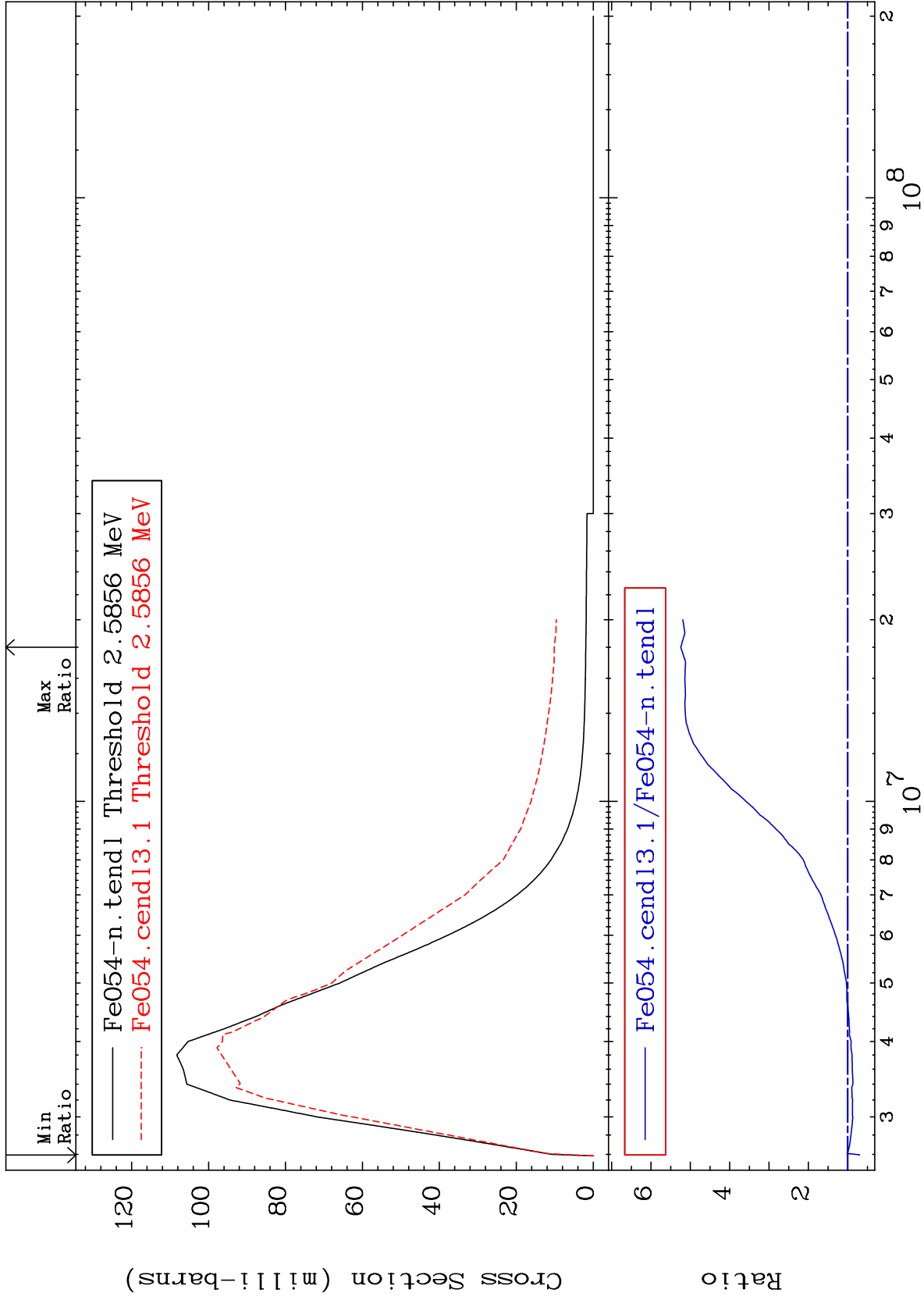
MAT 2625

2.538 MeV (n,n') Level

<sup>26</sup>Fe-54

-29.90 To 424.3 %

Cross Section



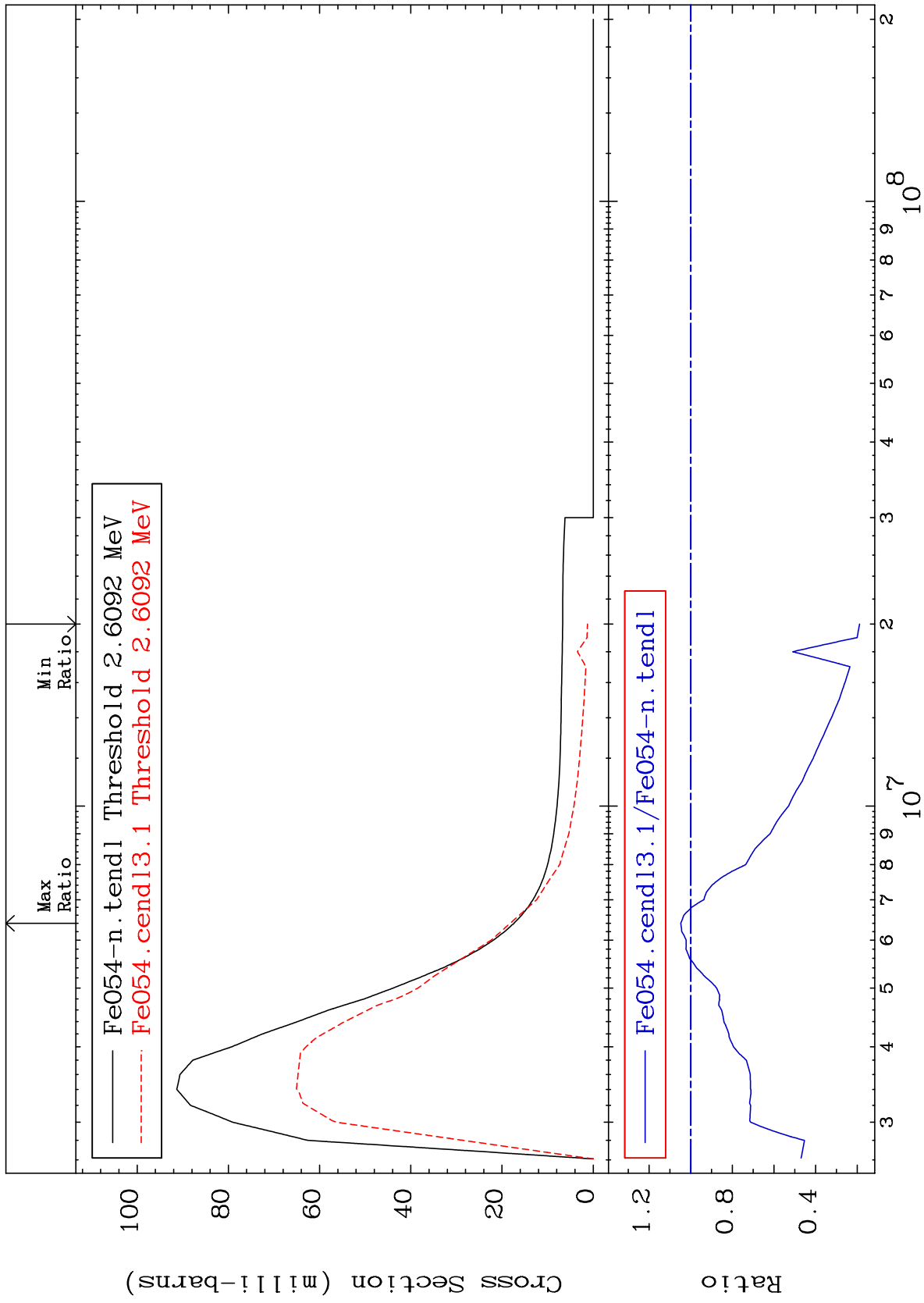
8

Incident Energy (eV)

<sup>26</sup>Fe-54



MAT 2625 26-Fe-54  
 2.561 MeV (n,n') Level -81.08 To 4.820 %  
 Cross Section

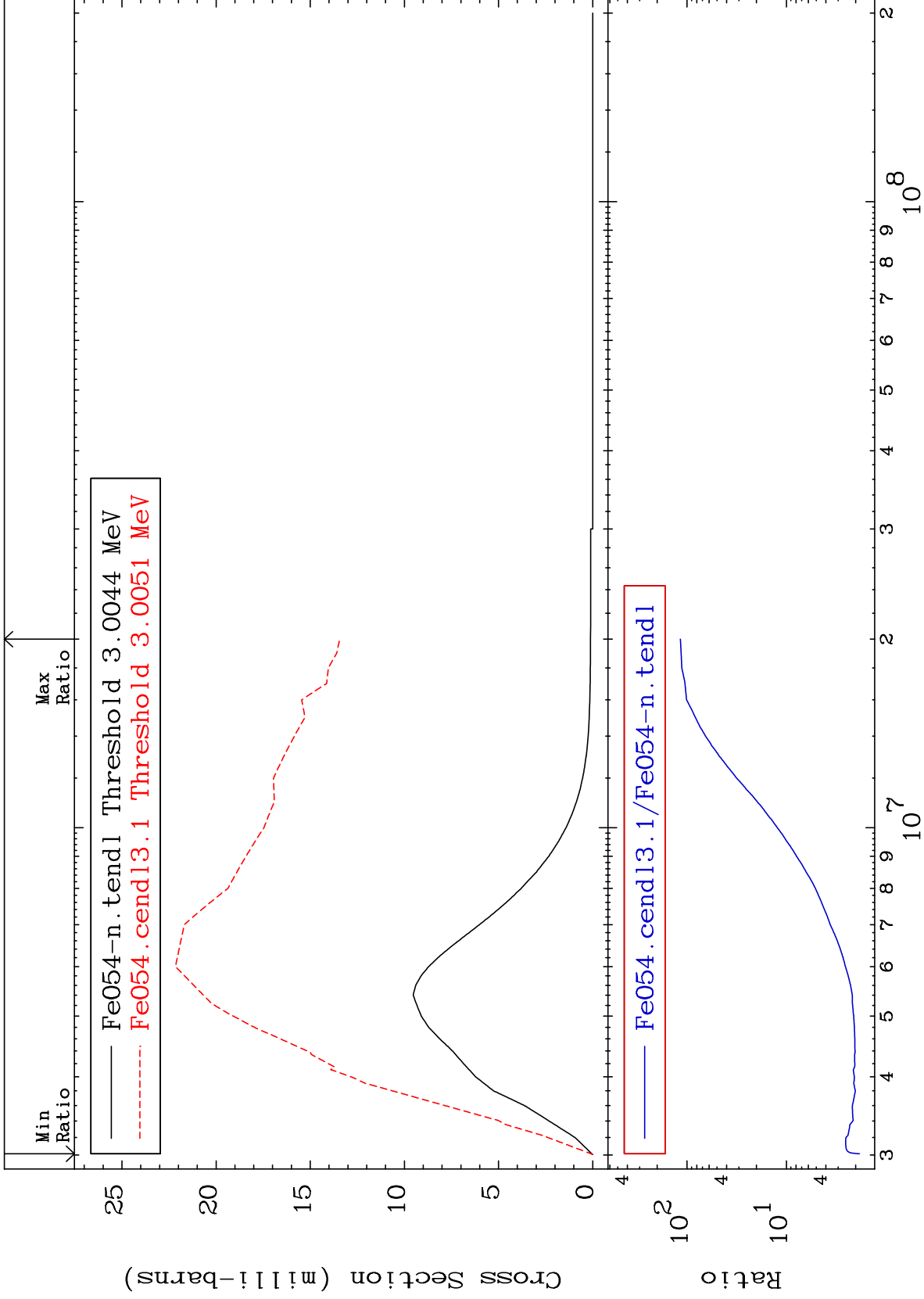


9 26-Fe-54

MAT 2625

2.949 MeV (n,n') Level  
Cross Section

26-Fe-54  
83.59 To 9999. %



10

Incident Energy (eV)

26-Fe-54

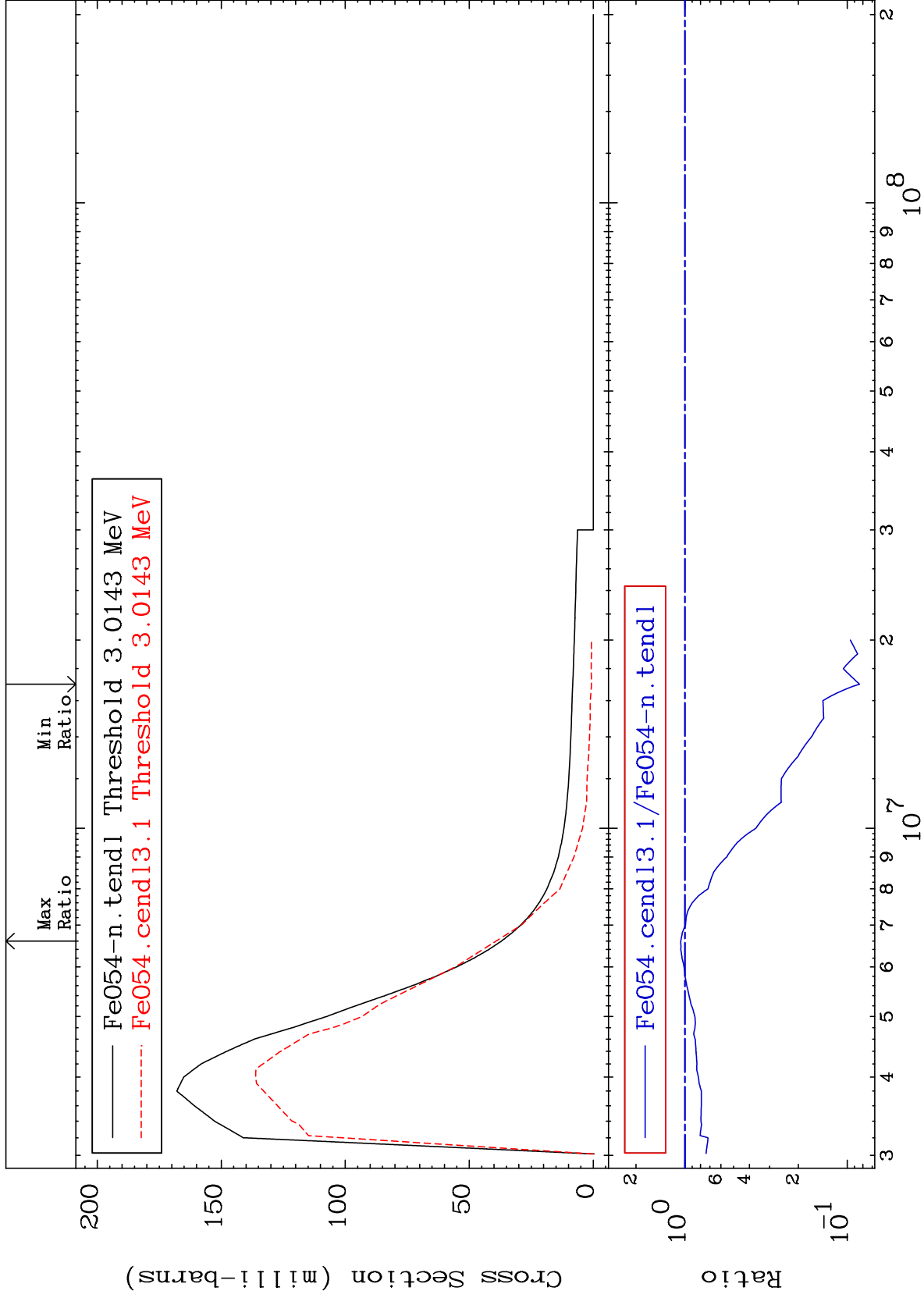
MAT 2625

2.959 MeV (n,n') Level

<sup>26</sup>Fe-54

-91.61 To 5.868 %

Cross Section



11

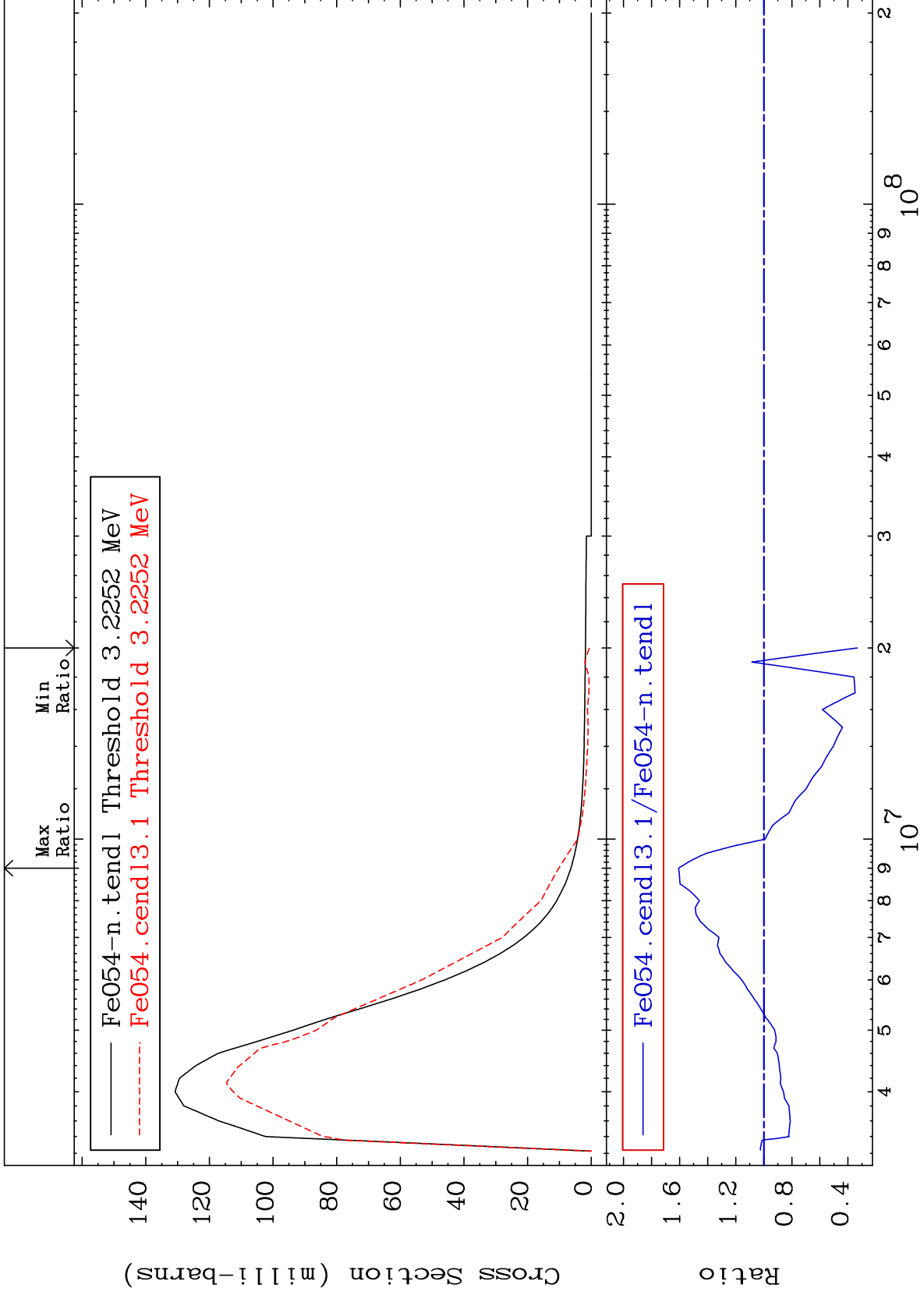
Incident Energy (eV)

<sup>26</sup>Fe-54

MAT 2625

3.166 MeV (n,n') Level  
Cross Section

<sup>26</sup>Fe-54  
-66.64 To 60.72 %



12

Incident Energy (eV)

<sup>26</sup>Fe-54

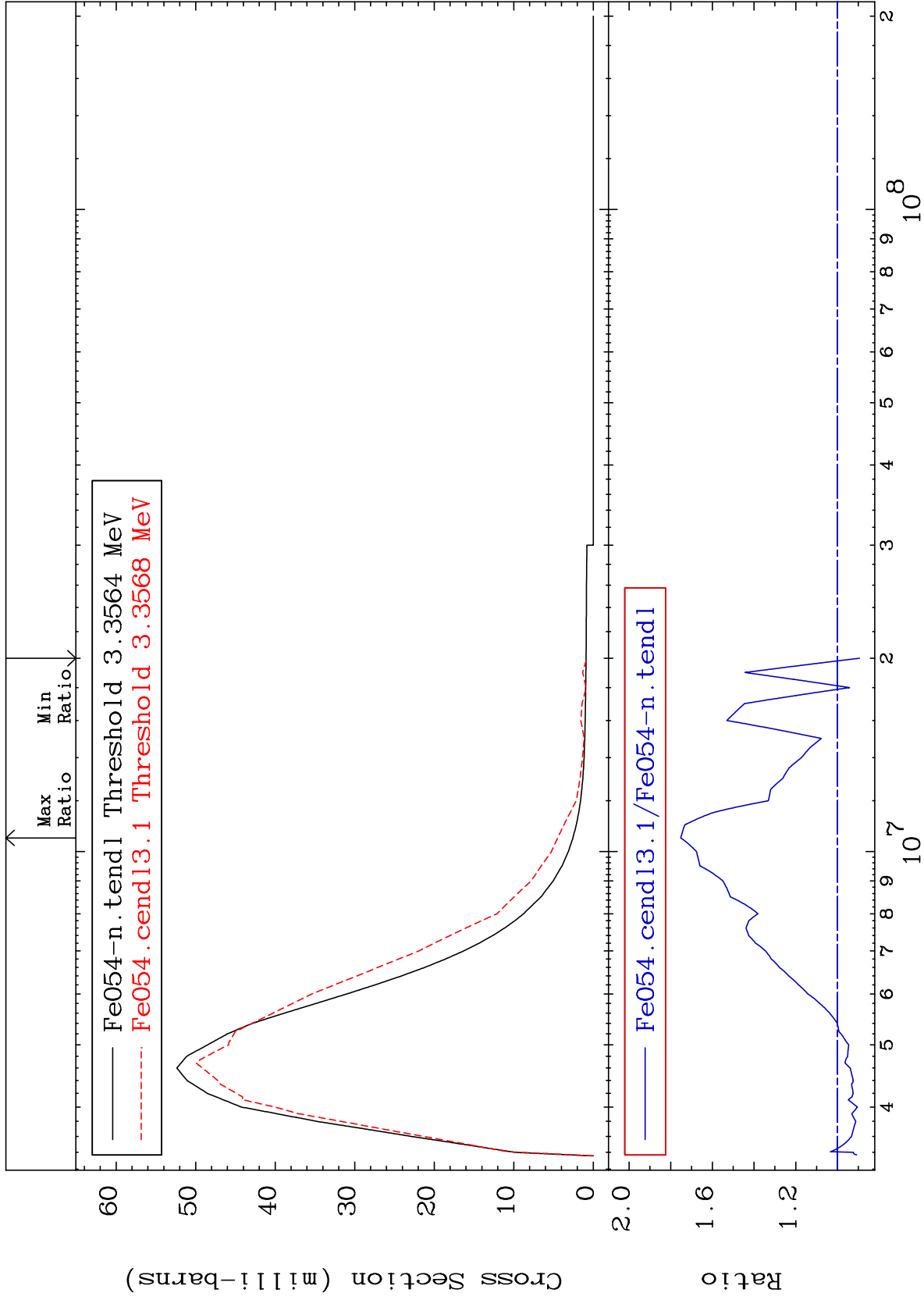
MAT 2625

3.295 MeV (n,n') Level

<sup>26</sup>Fe-54

-10.62 To 75.18 %

Cross Section



13

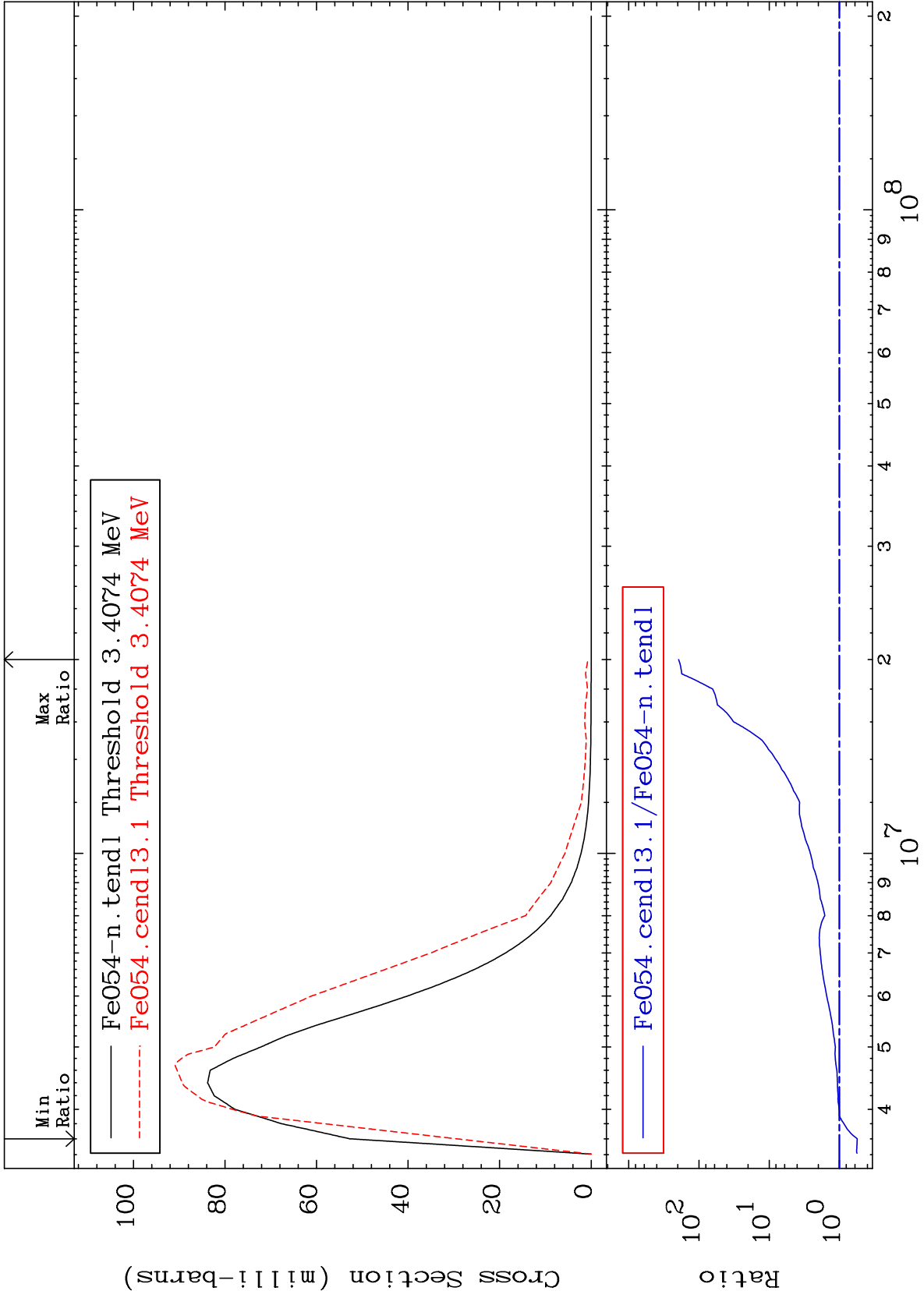
Incident Energy (eV)

<sup>26</sup>Fe-54

MAT 2625

3.345 MeV (n,n') Level  
Cross Section

26-Fe-54  
-44.27 To 9999. %



14

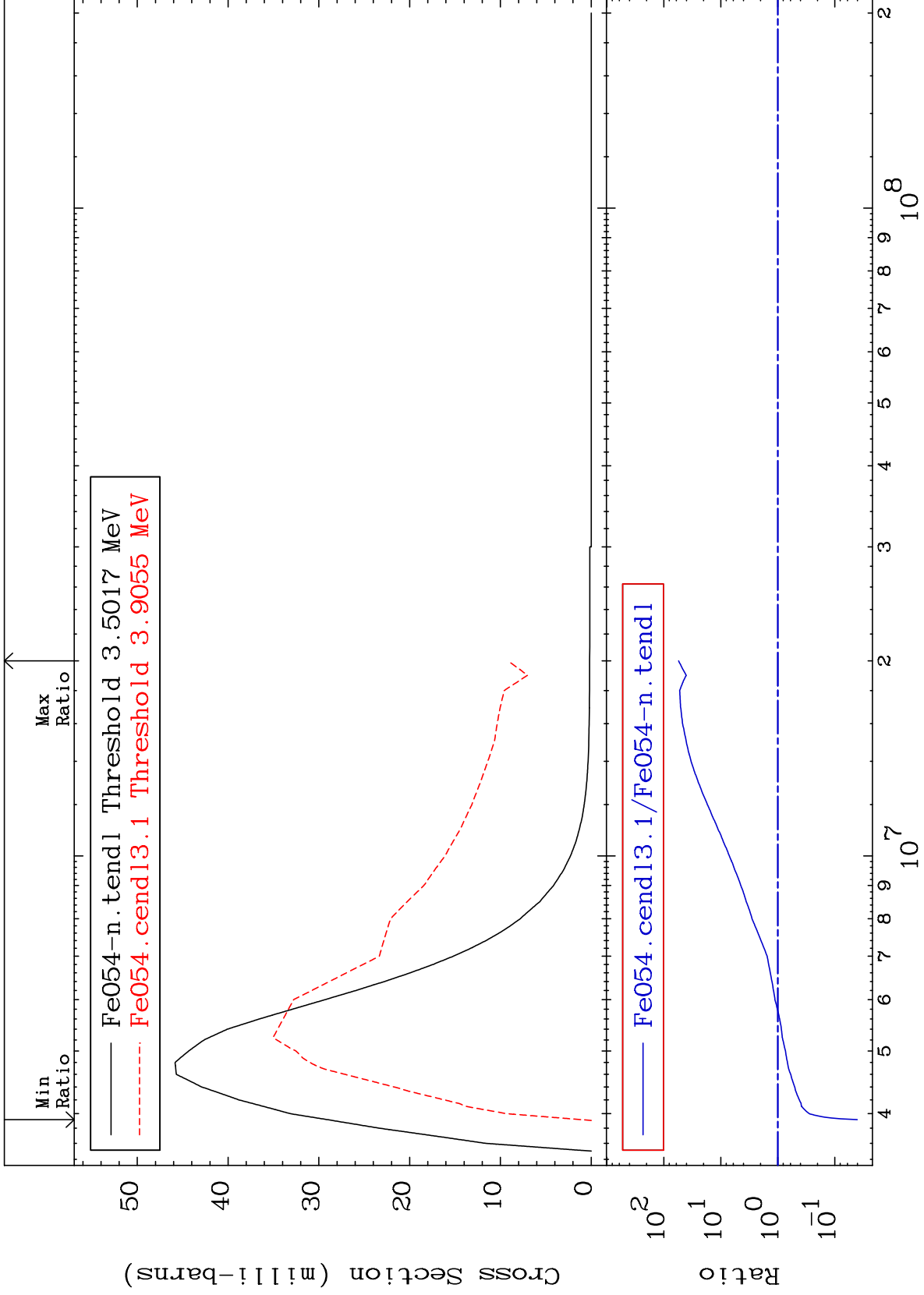
Incident Energy (eV)

26-Fe-54

MAT 2625

3.437 MeV (n,n') Level  
Cross Section

26-Fe-54  
-95.97 To 5380. %



15

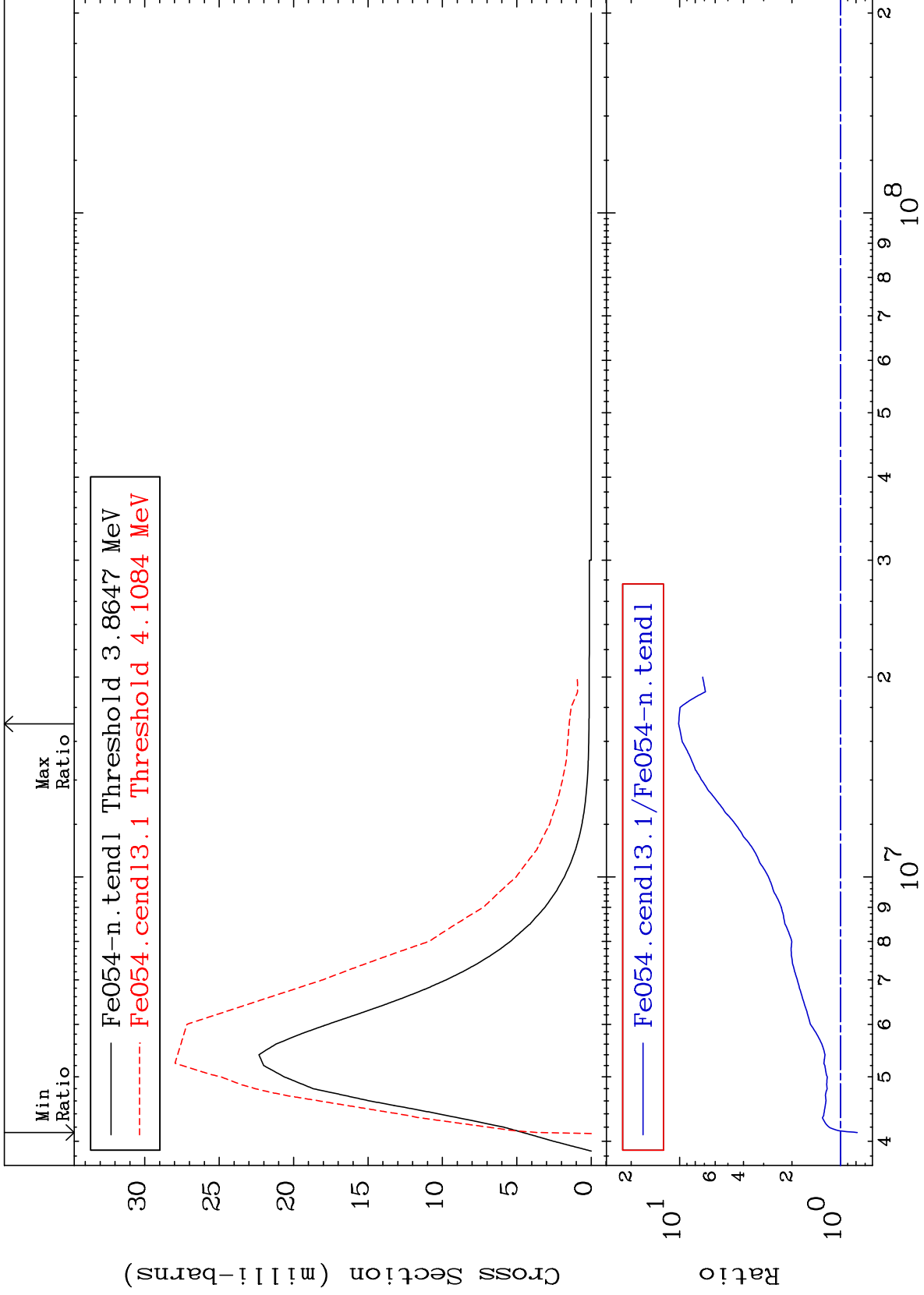
Incident Energy (eV)

26-Fe-54

MAT 2625

3.794 MeV (n,n') Level  
Cross Section

26-Fe-54  
-21.53 To 913.4 %



16

26-Fe-54

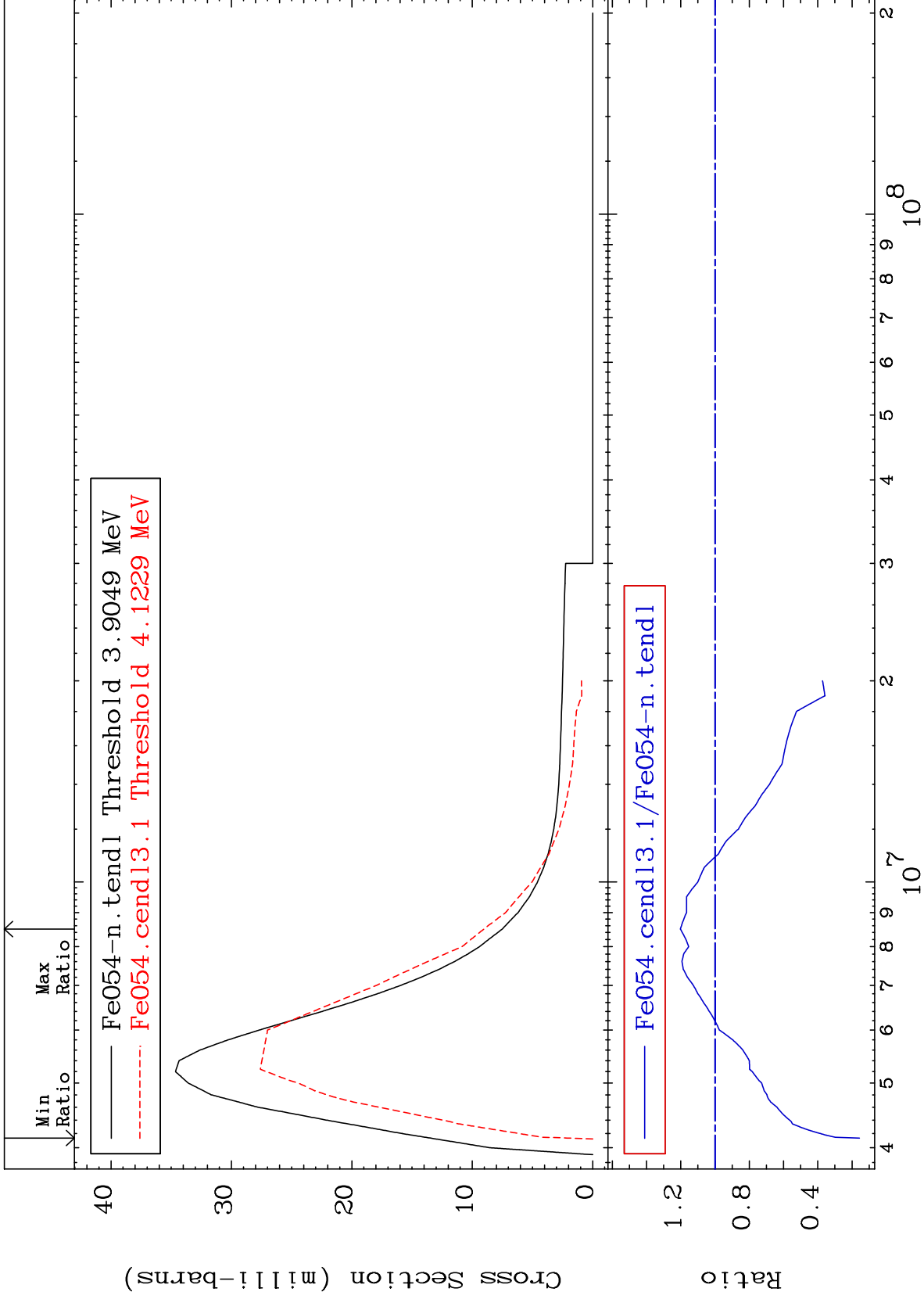
26-Fe-54



MAT 2625

3.833 MeV (n,n') Level  
Cross Section

26-Fe-54  
-84.31 To 20.25 %



17

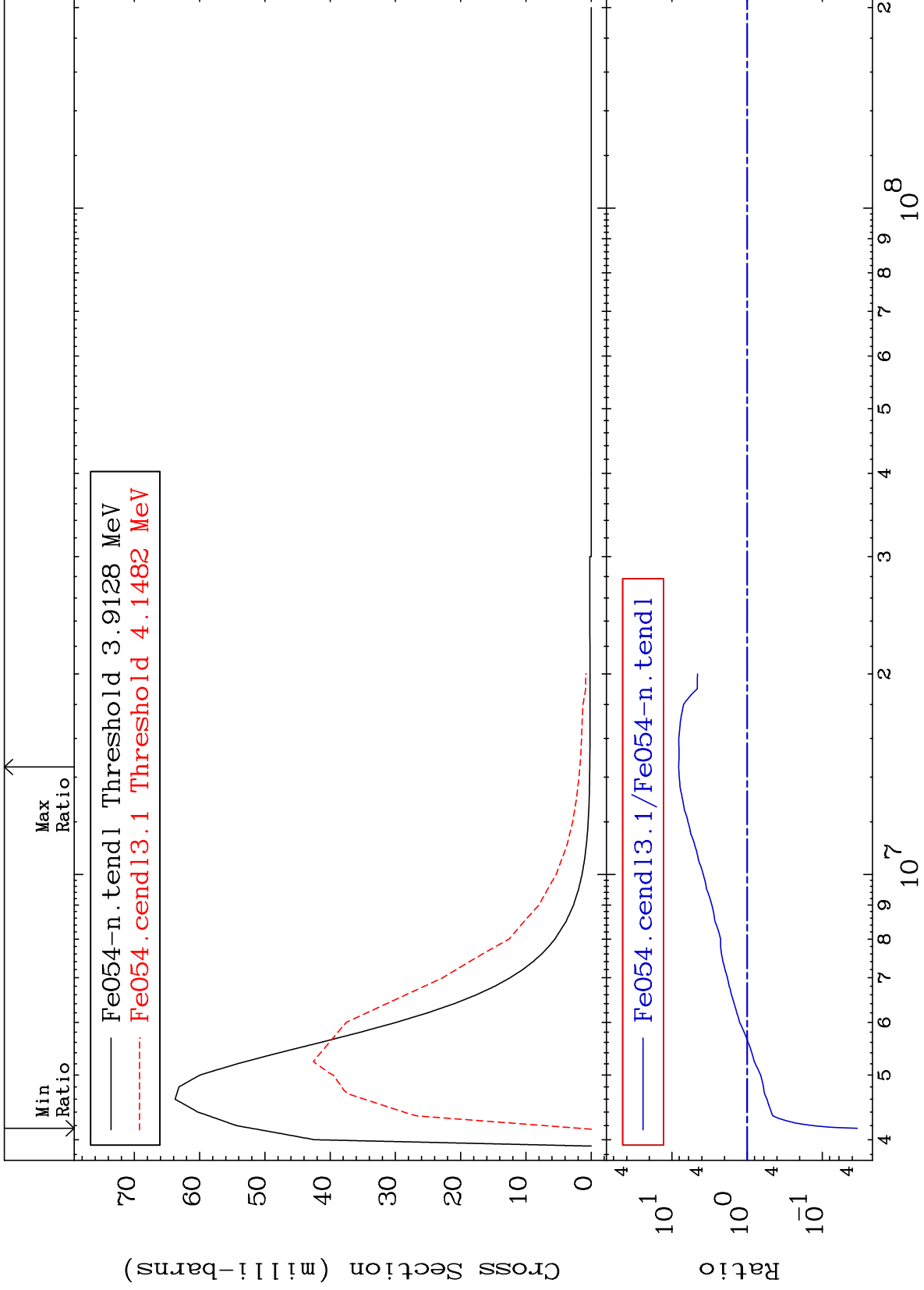
Incident Energy (eV)

26-Fe-54

MAT 2625

3.841 MeV (n,n') Level  
Cross Section

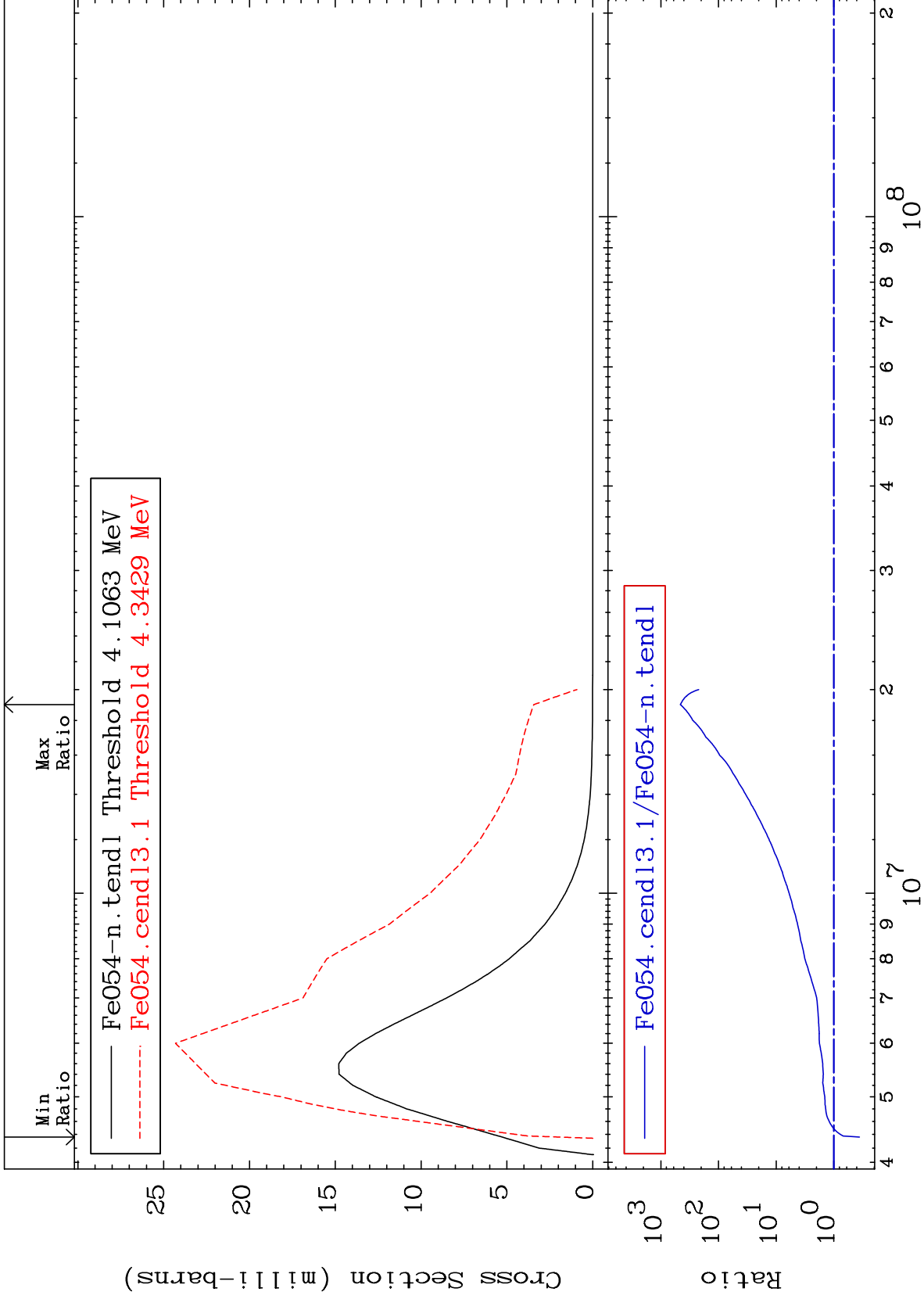
26-Fe-54  
-96.57 To 715.4 %



MAT 2625

4.031 MeV (n,n') Level  
Cross Section

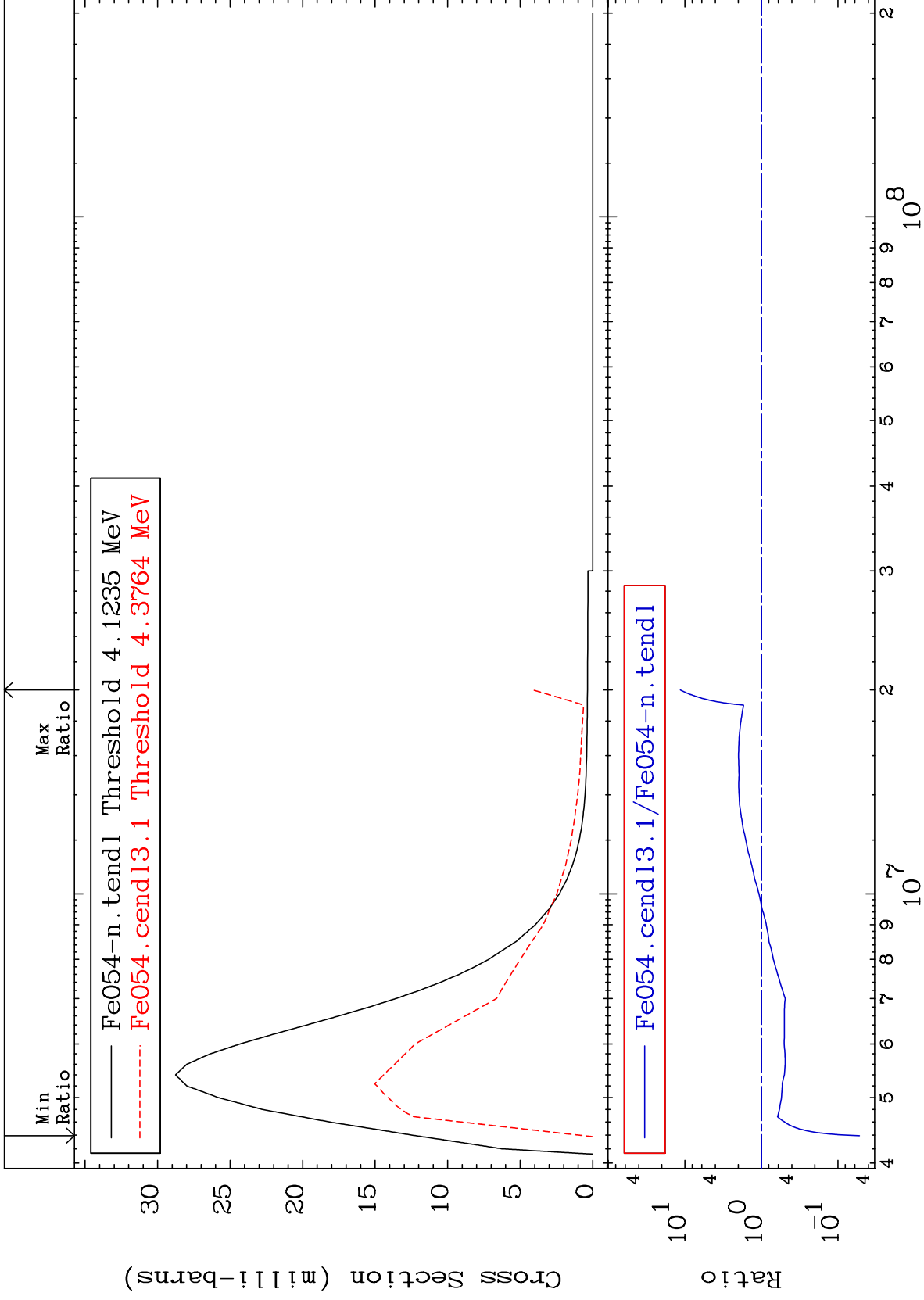
26-Fe-54  
-63.98 To 9999. %



19

Incident Energy (eV)

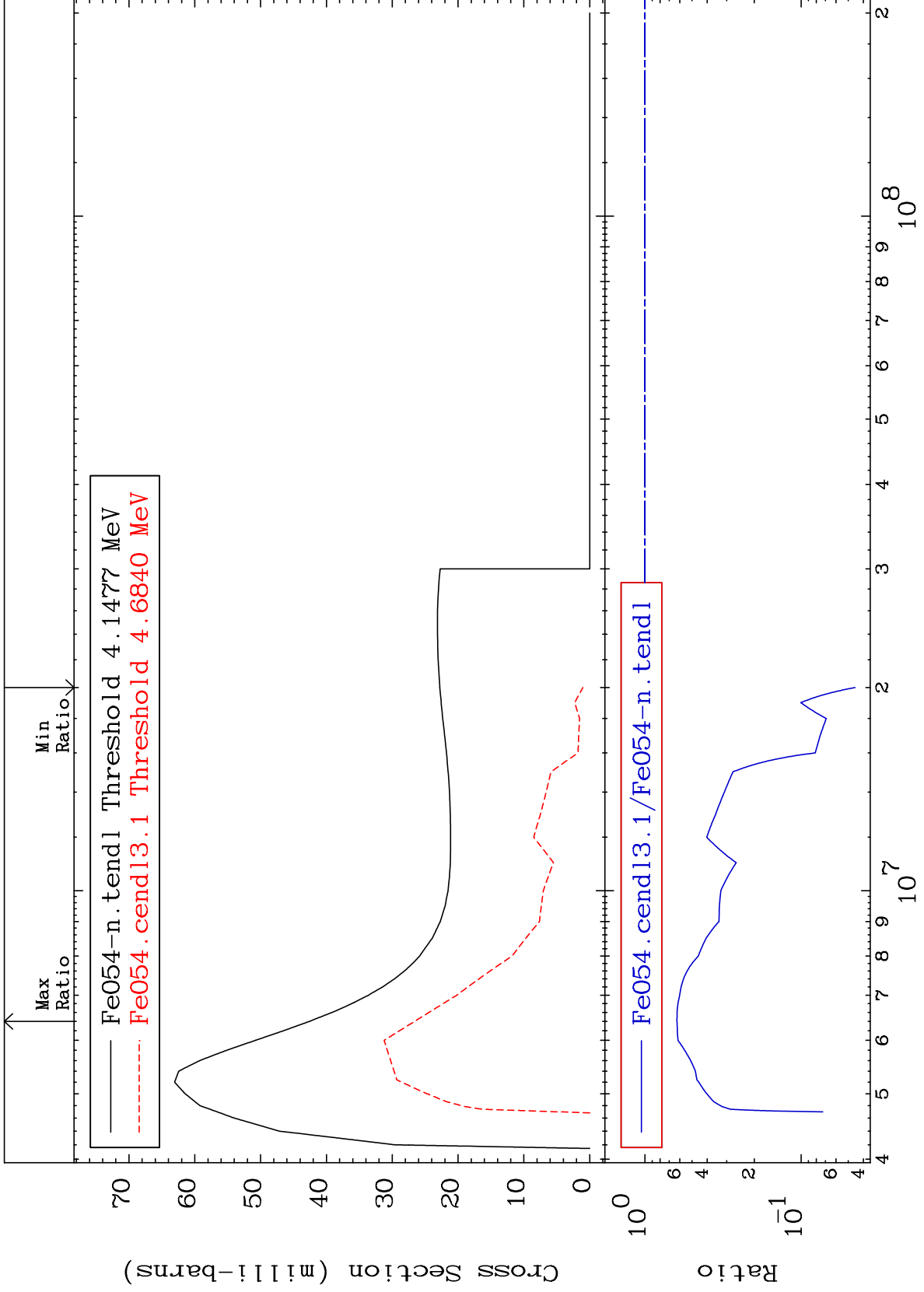
26-Fe-54



MAT 2625

4.072 MeV (n,n') Level  
Cross Section

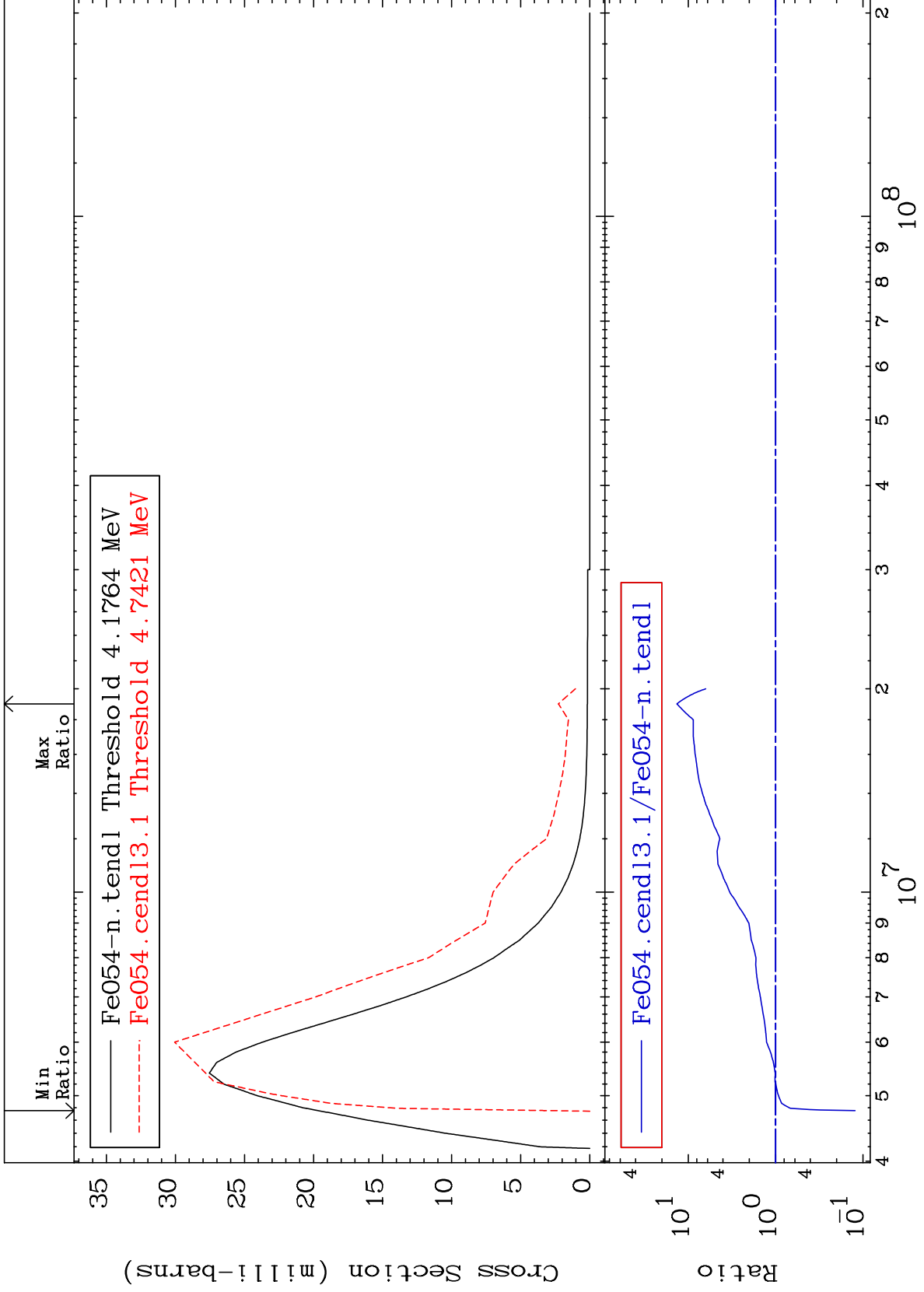
26-Fe-54  
-95.48 To -37.51%



MAT 2625

4.100 MeV (n,n') Level  
Cross Section

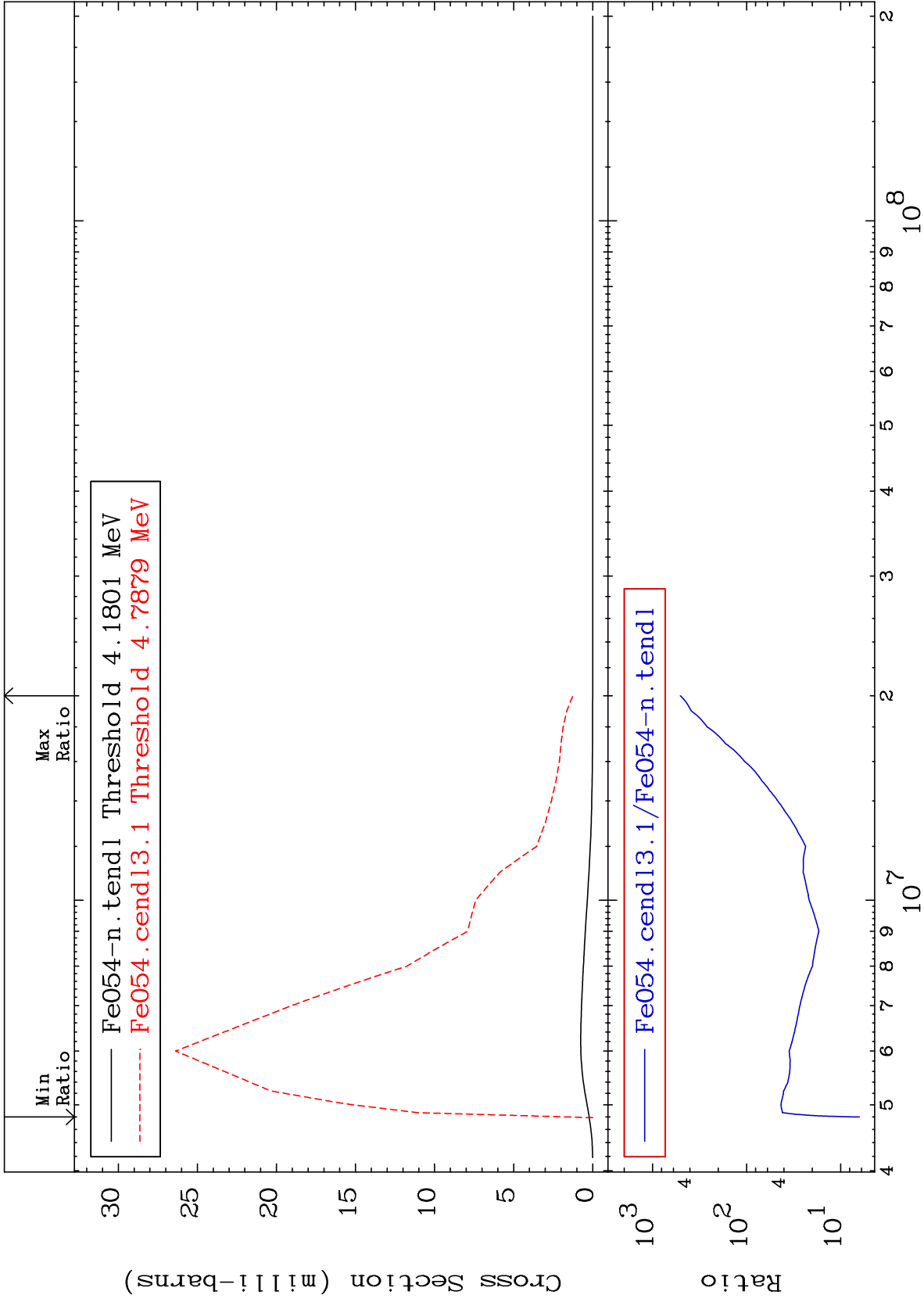
<sup>26</sup>Fe-54  
-87.70 To 1248. %



MAT 2625

4.103 MeV (n,n') Level  
Cross Section

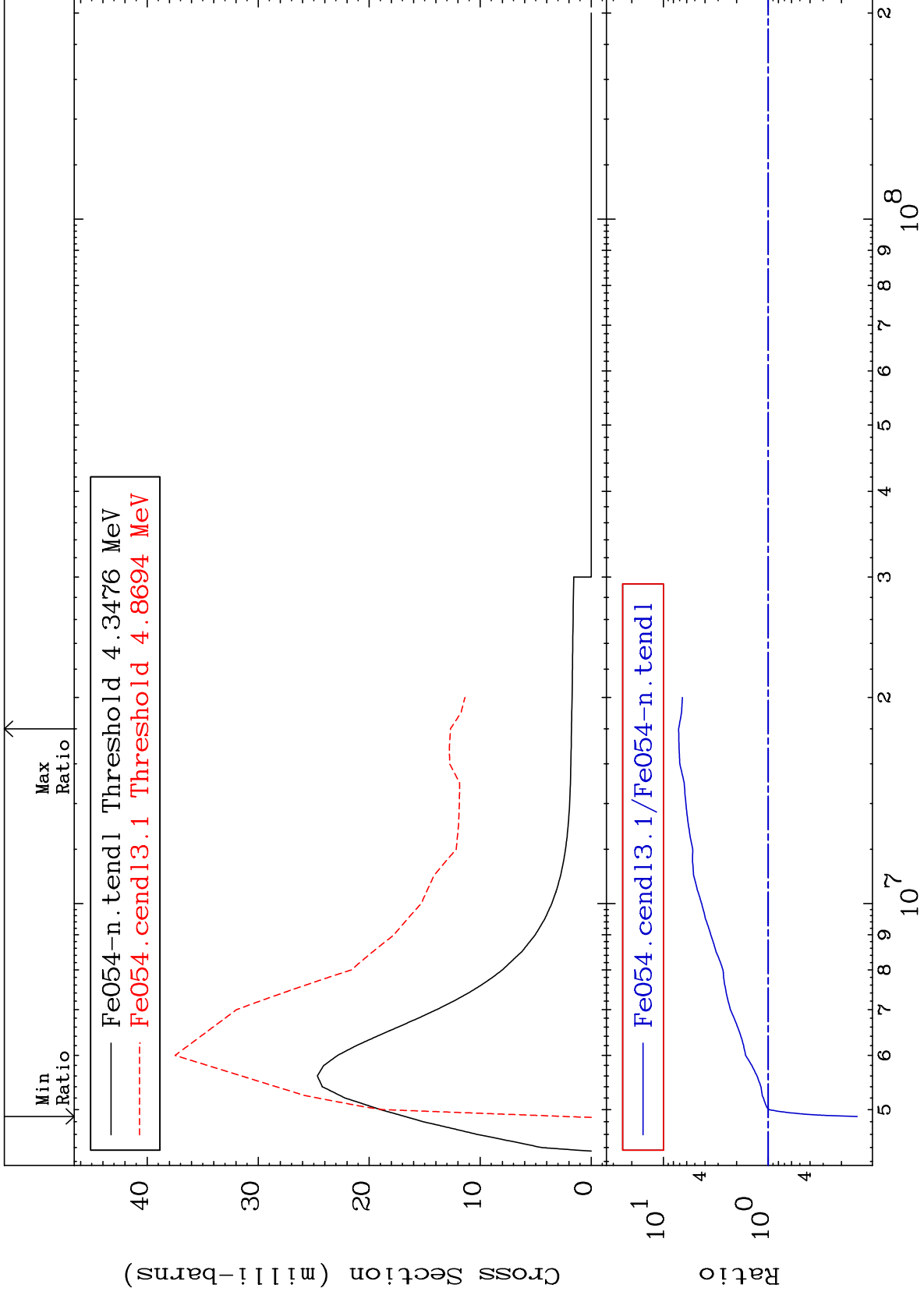
26-Fe-54  
530.6 To 9999. %



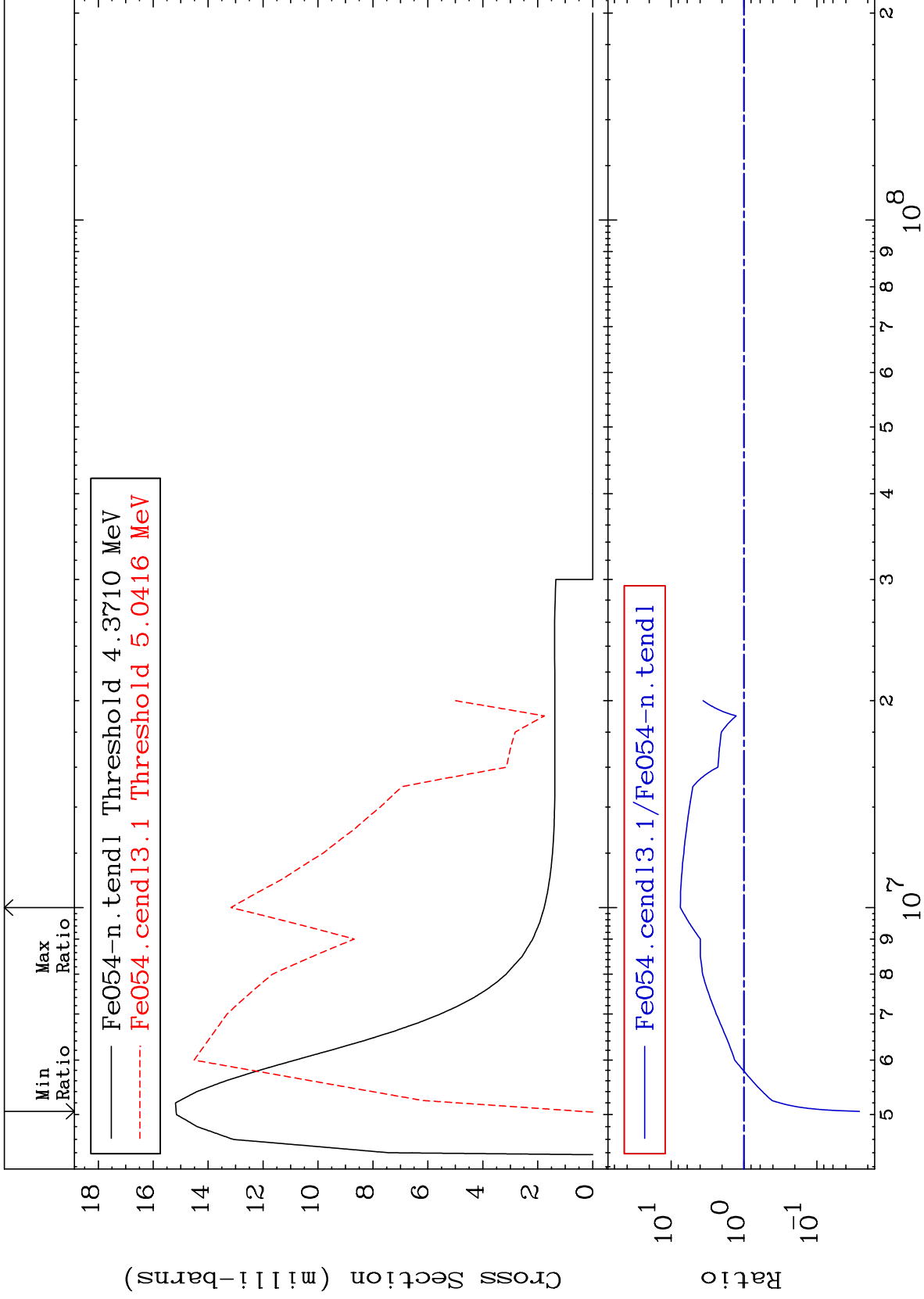
MAT 2625

4.268 MeV (n,n') Level  
Cross Section

26-Fe-54  
-85.84 To 614.6 %



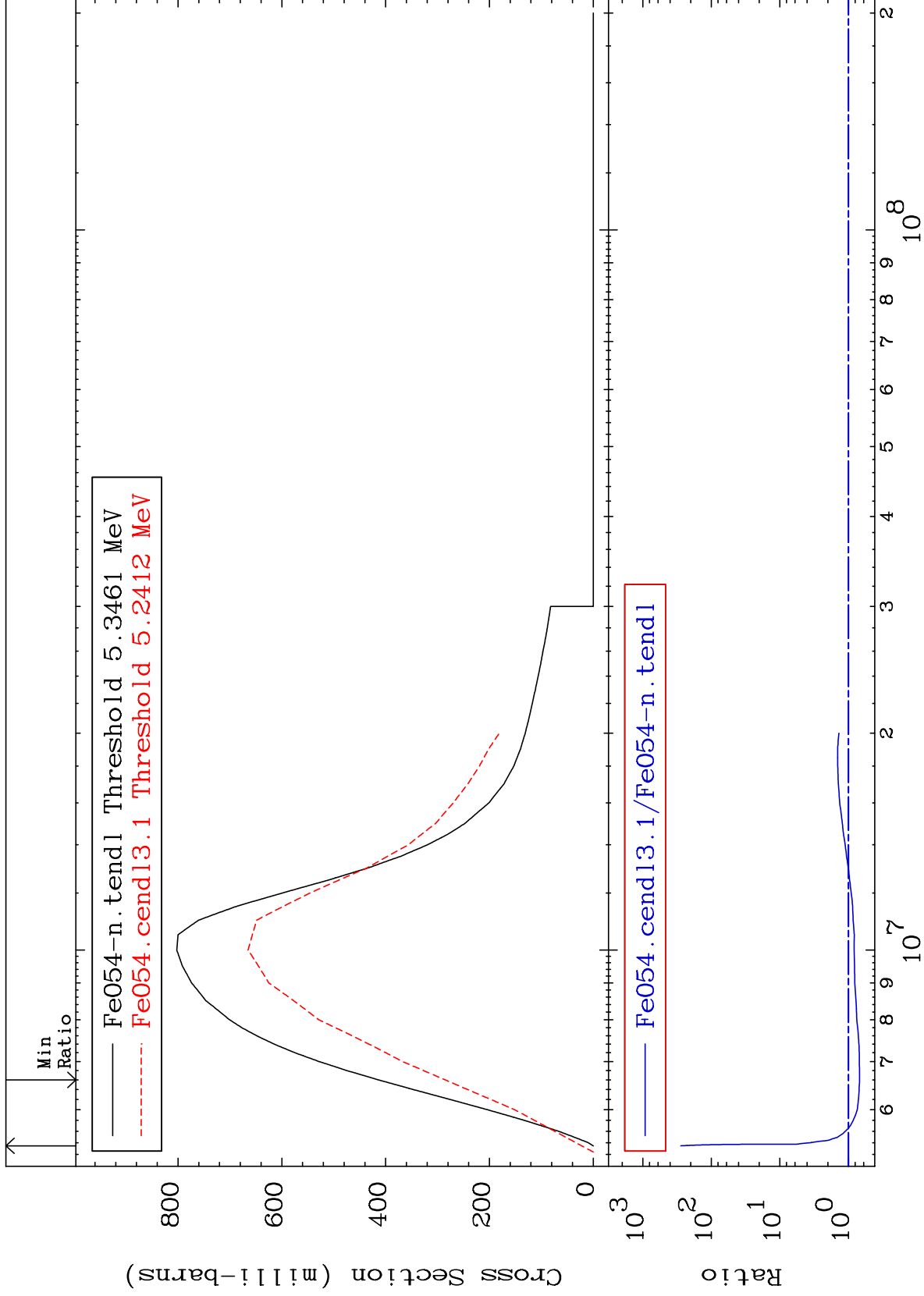




MAT 2625

(n, n') Continuum  
Cross Section

<sup>26</sup>Fe-54  
-31.15 To 9999. %



26

Incident Energy (eV)

<sup>26</sup>Fe-54

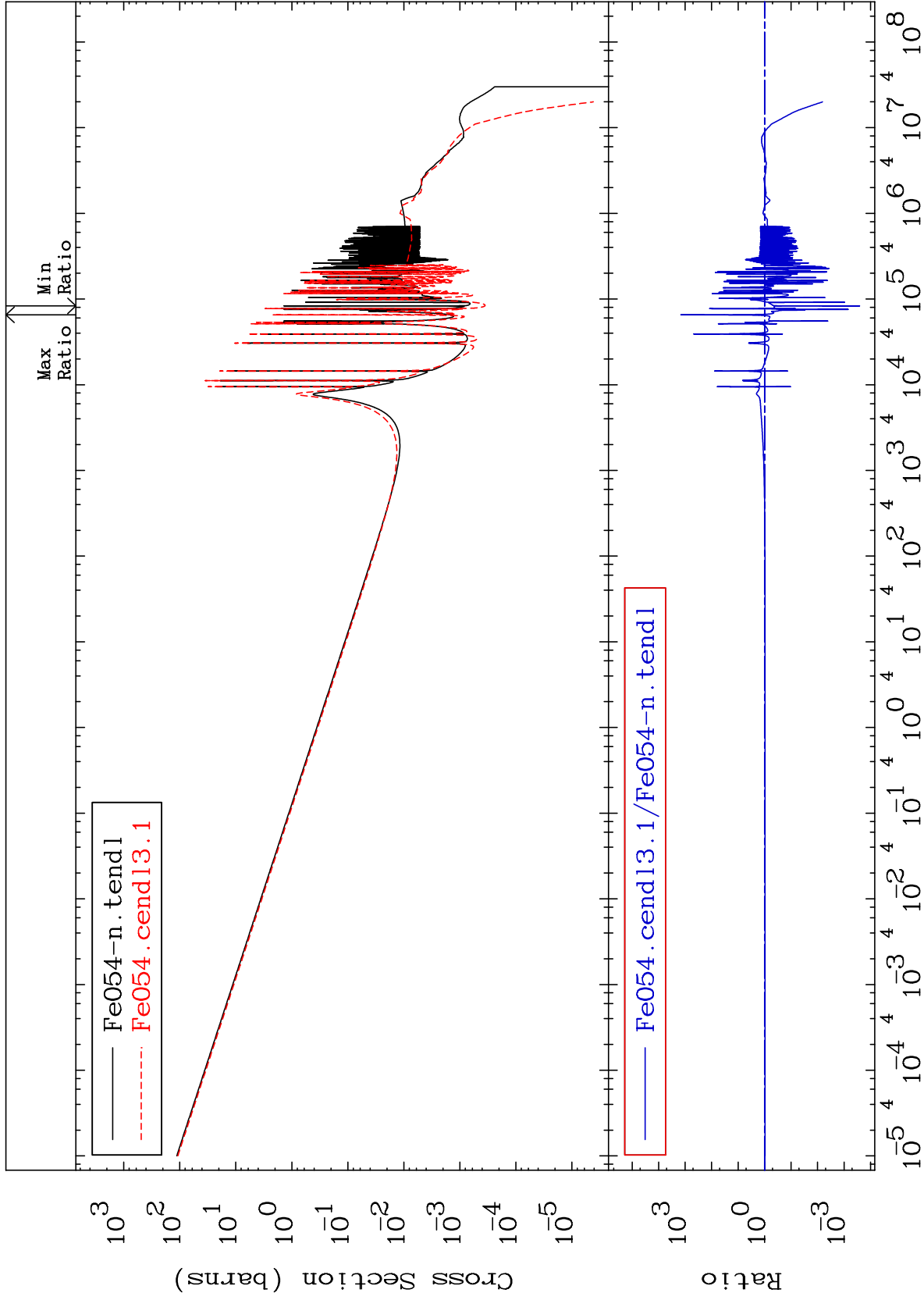
MAT 2625

(n,  $\gamma$ )

26-Fe-54

Cross Section

-99.97 To 9999. %



27

Incident Energy (eV)

26-Fe-54

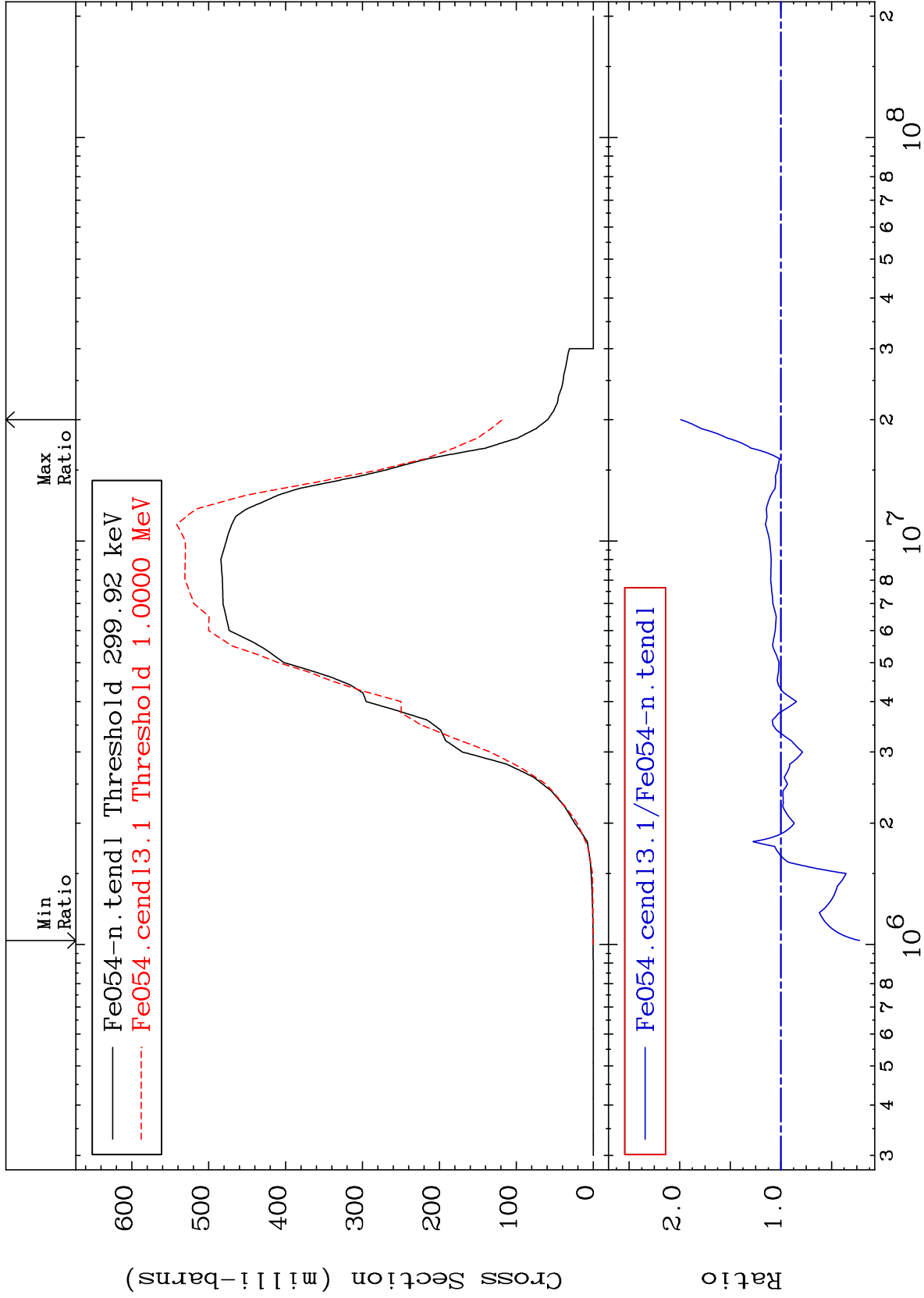
MAT 2625

(n,p)

<sup>26</sup>Fe-54

Cross Section

-77.65 To 98.94 %

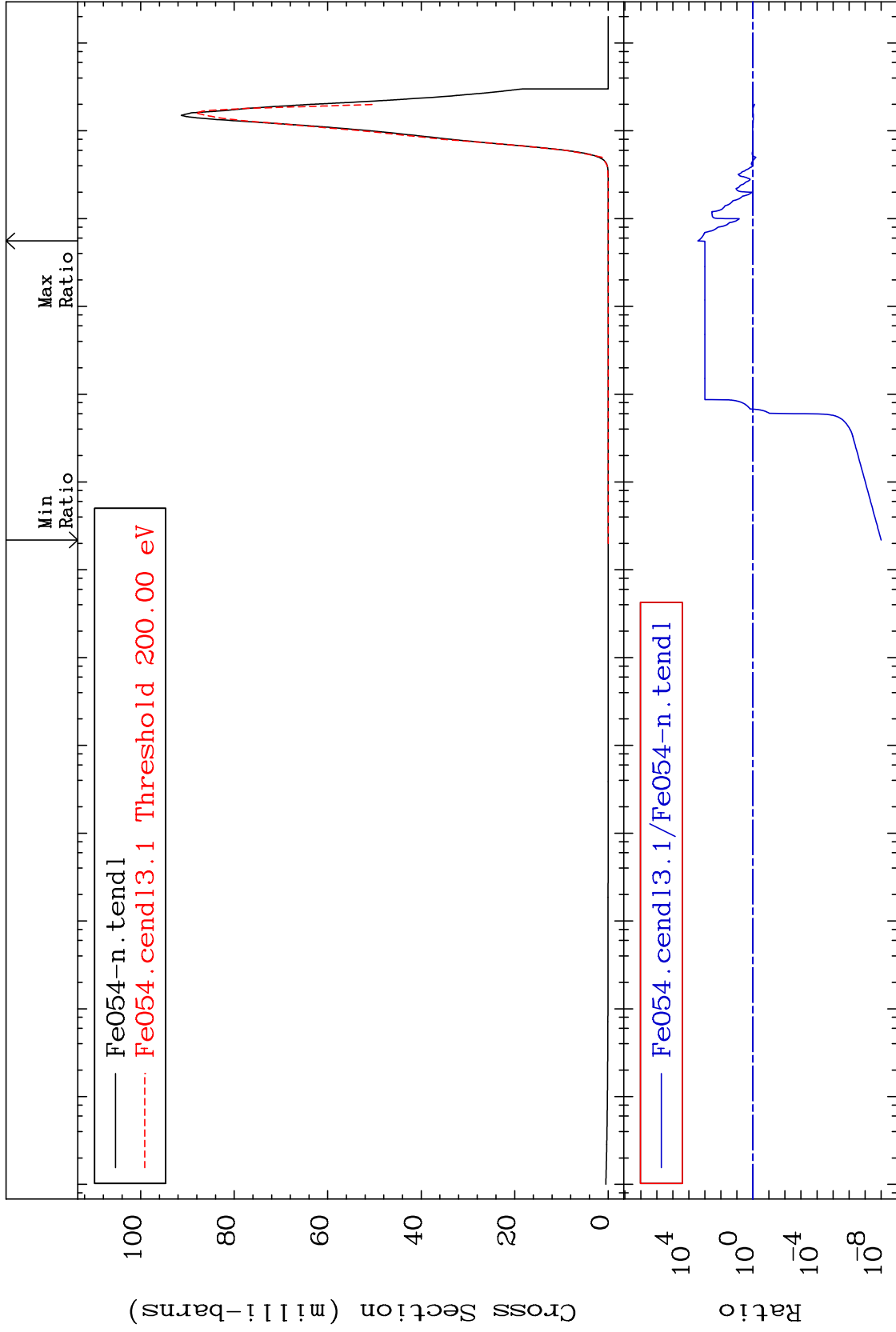


MAT 2625

<sup>26</sup>Fe-54

(n,  $\alpha$ )  
Cross Section

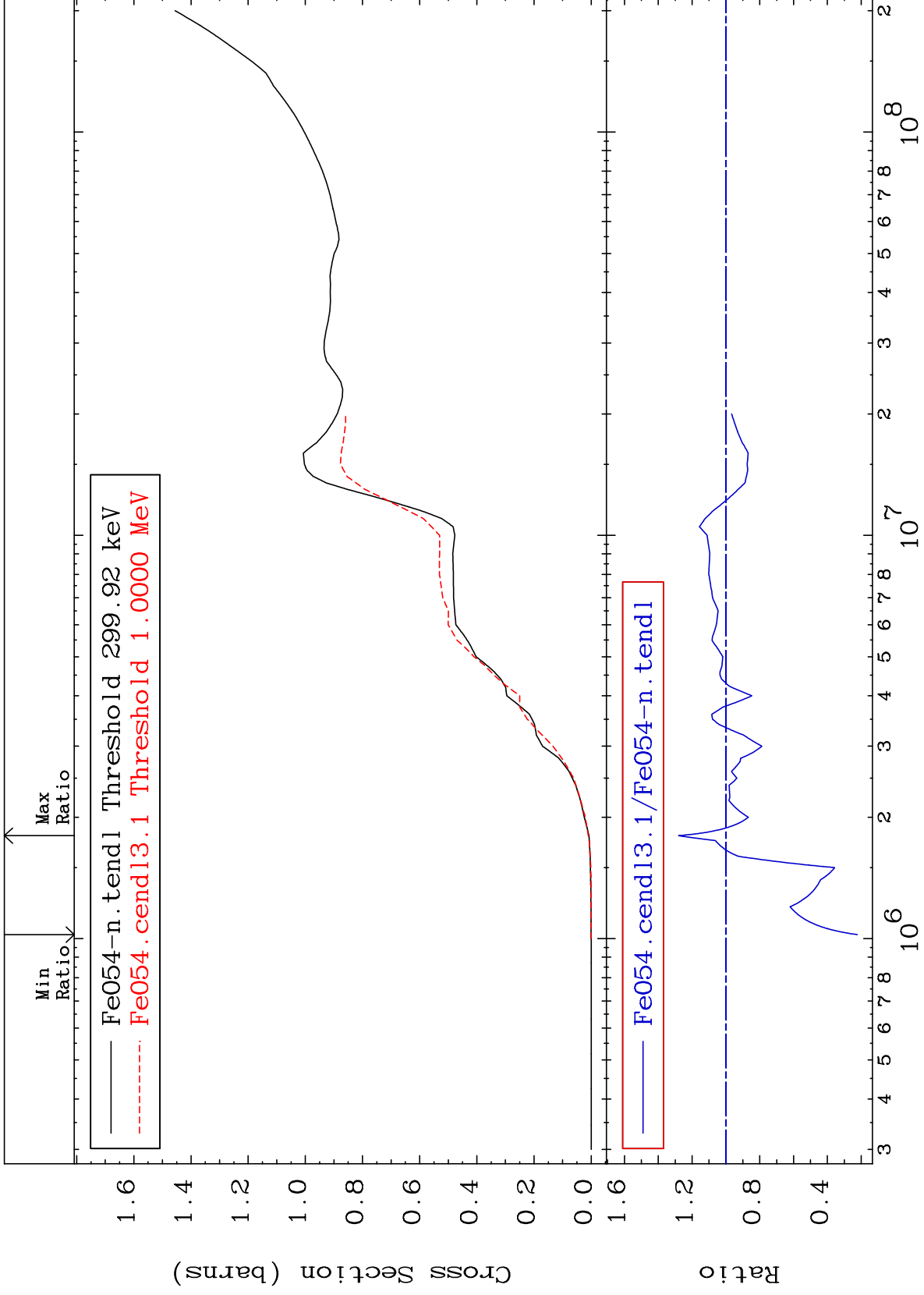
-100.0 To 9999. %



MAT 2625

Hydrogen Production  
Cross Section

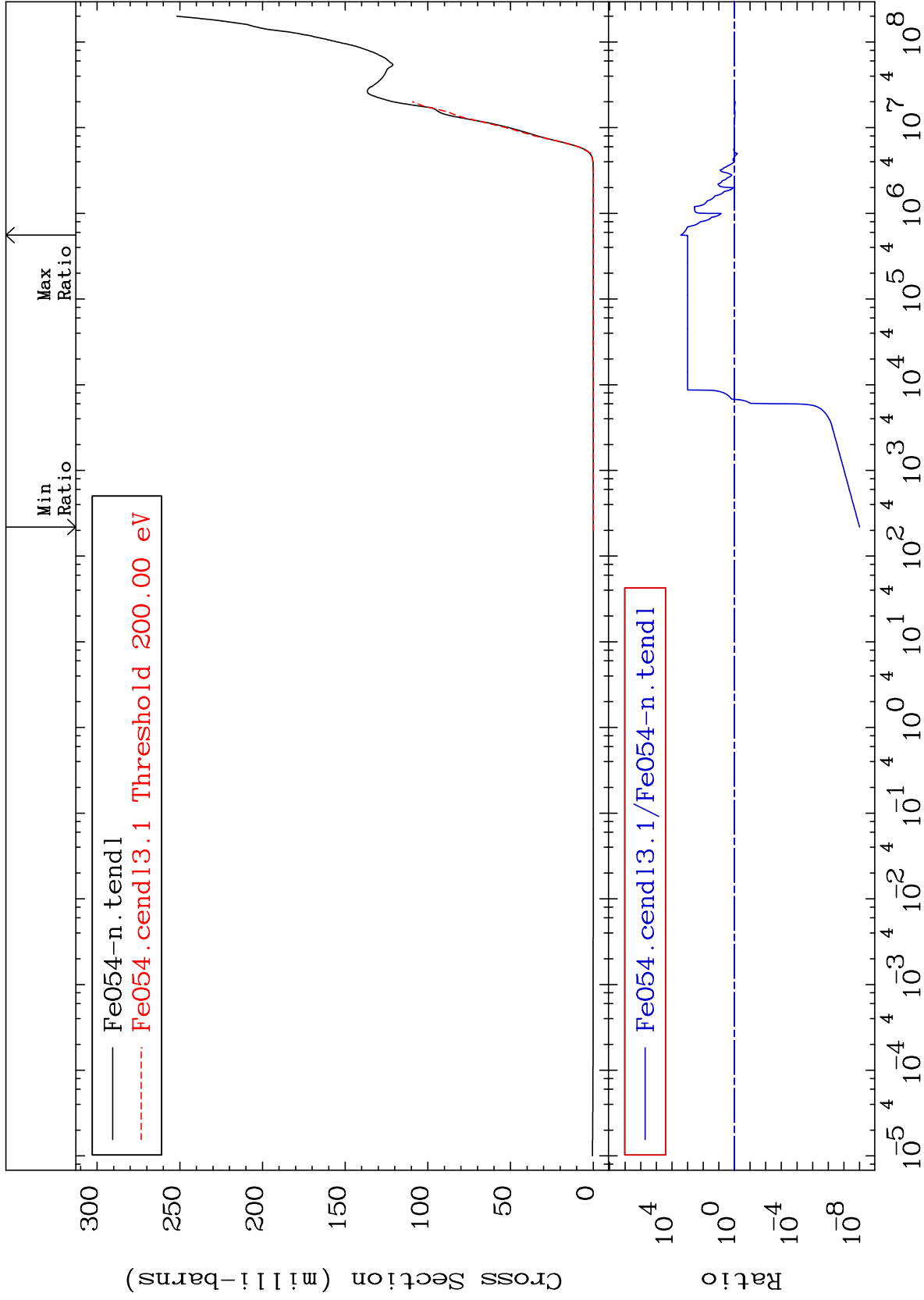
<sup>26</sup>Fe-54  
-77.65 To 27.95 %

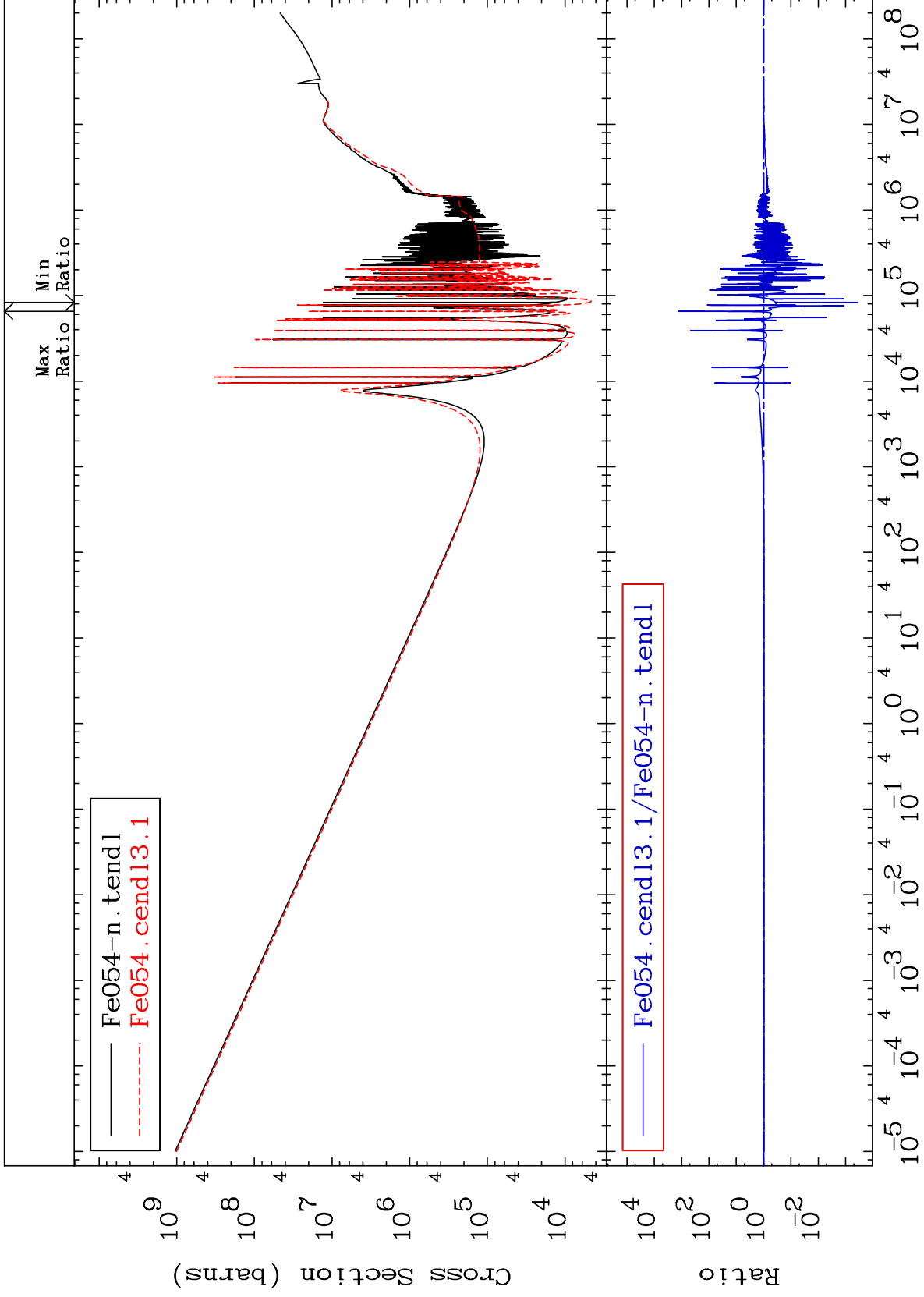


30

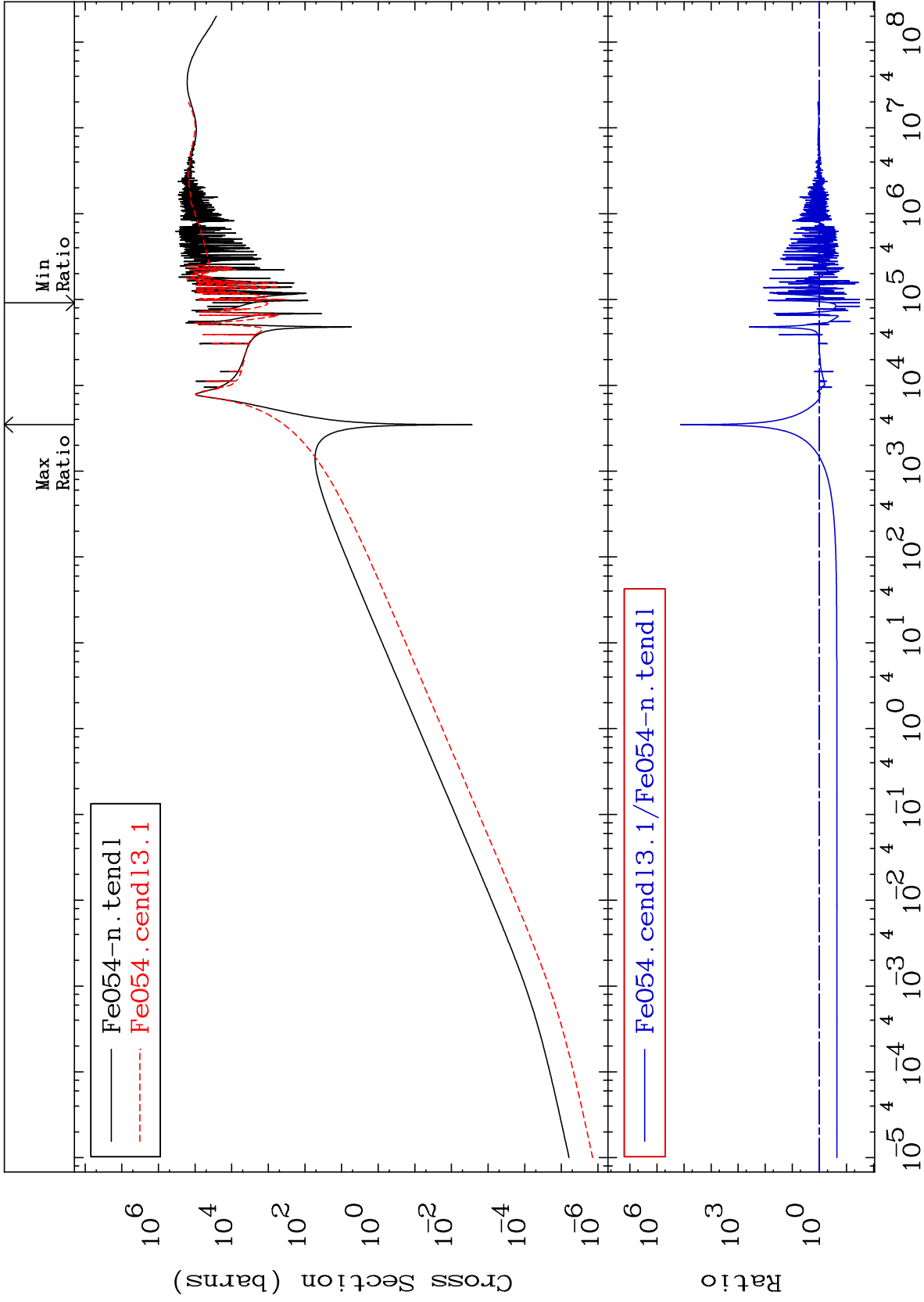
Incident Energy (eV)

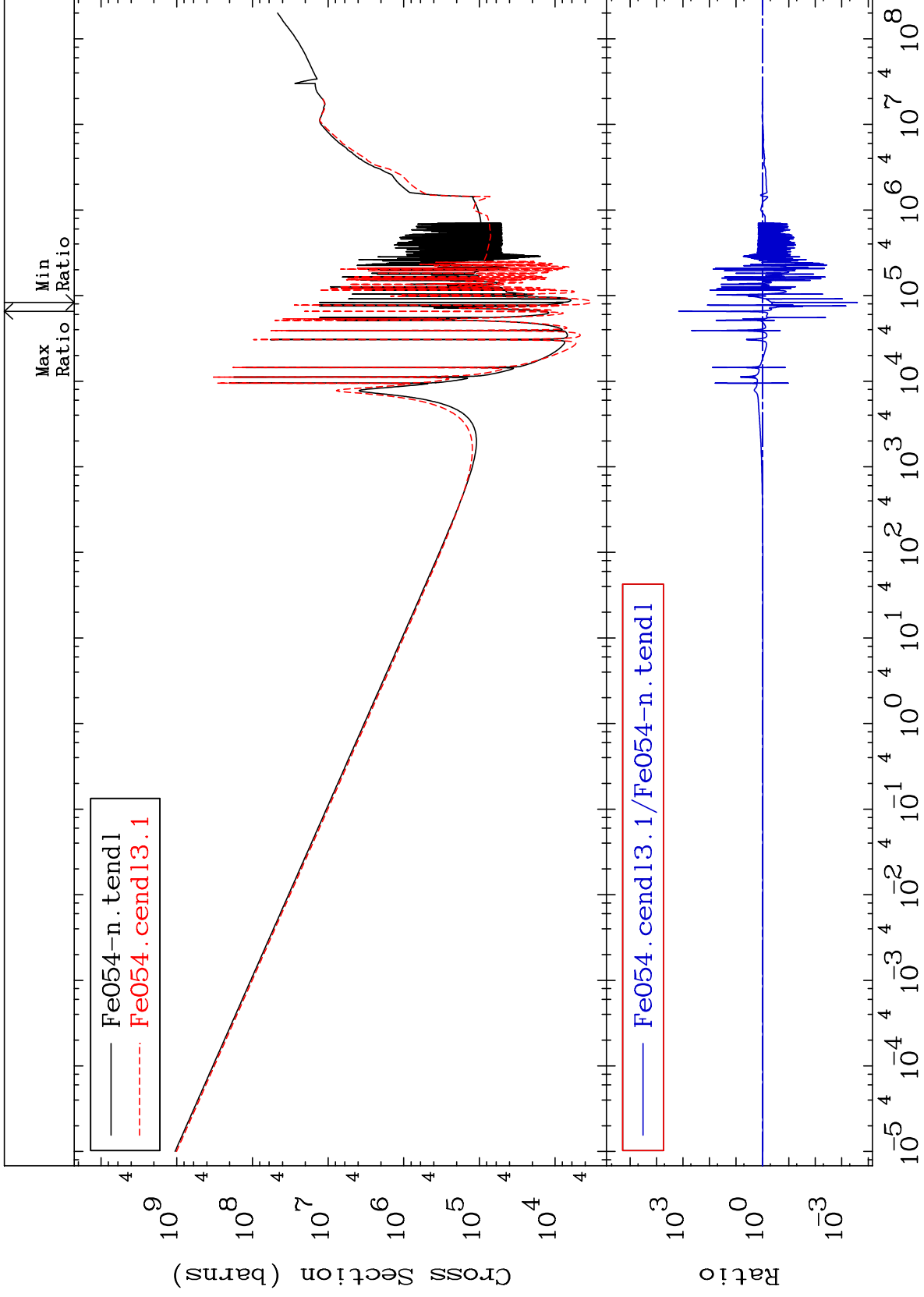
<sup>26</sup>Fe-54

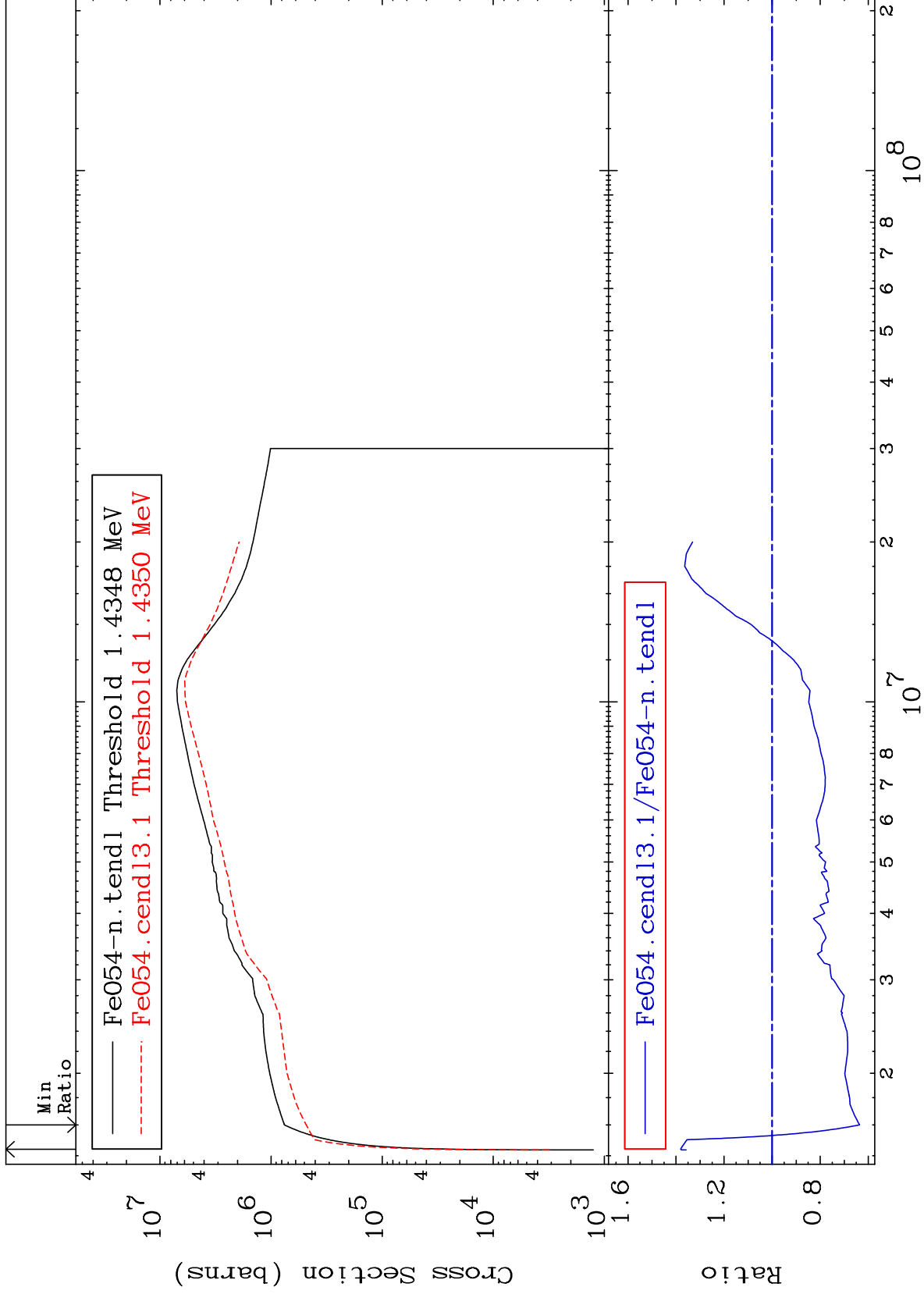








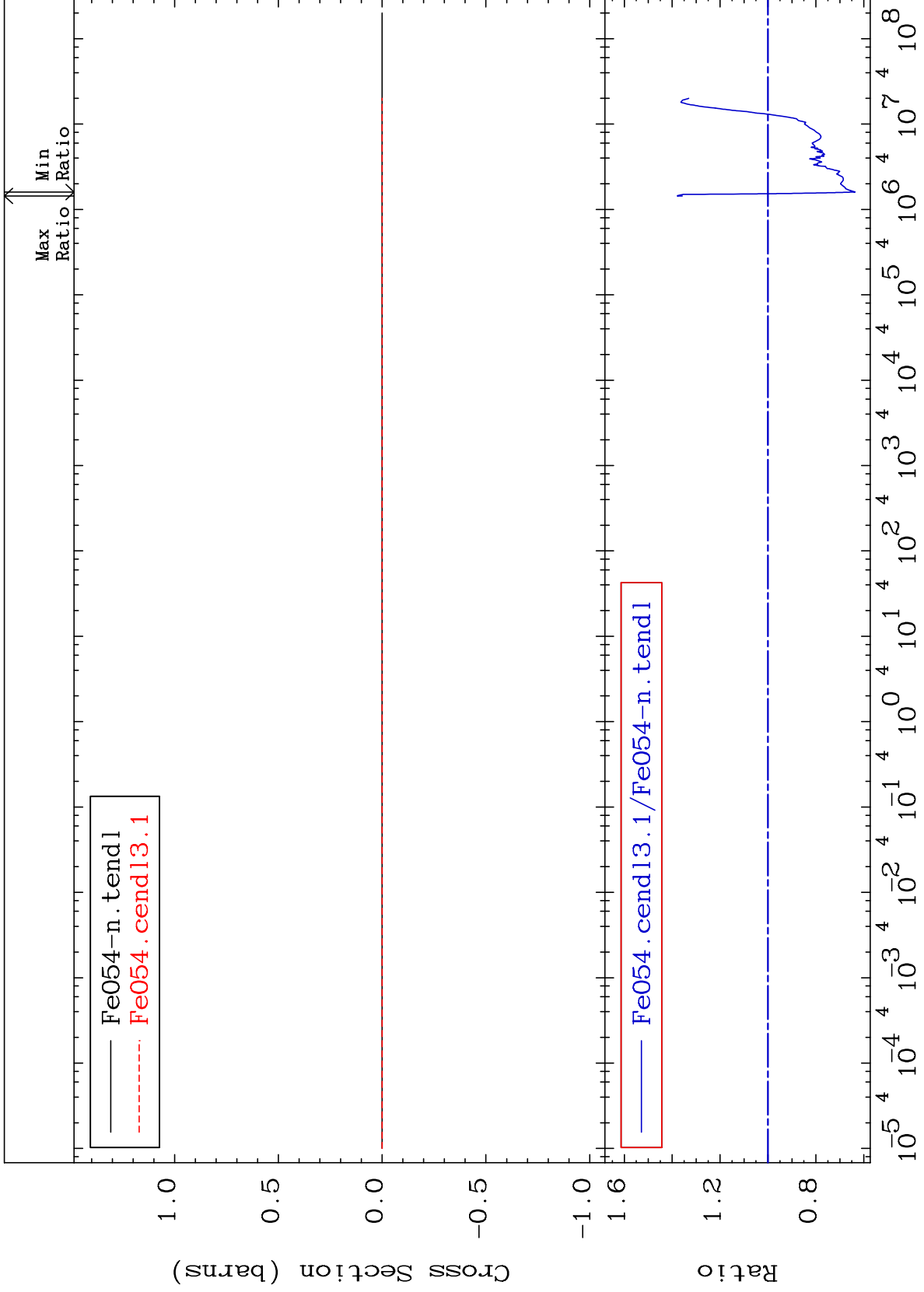




MAT 2625

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

26-Fe-54  
-36.37 To 38.03 %



36

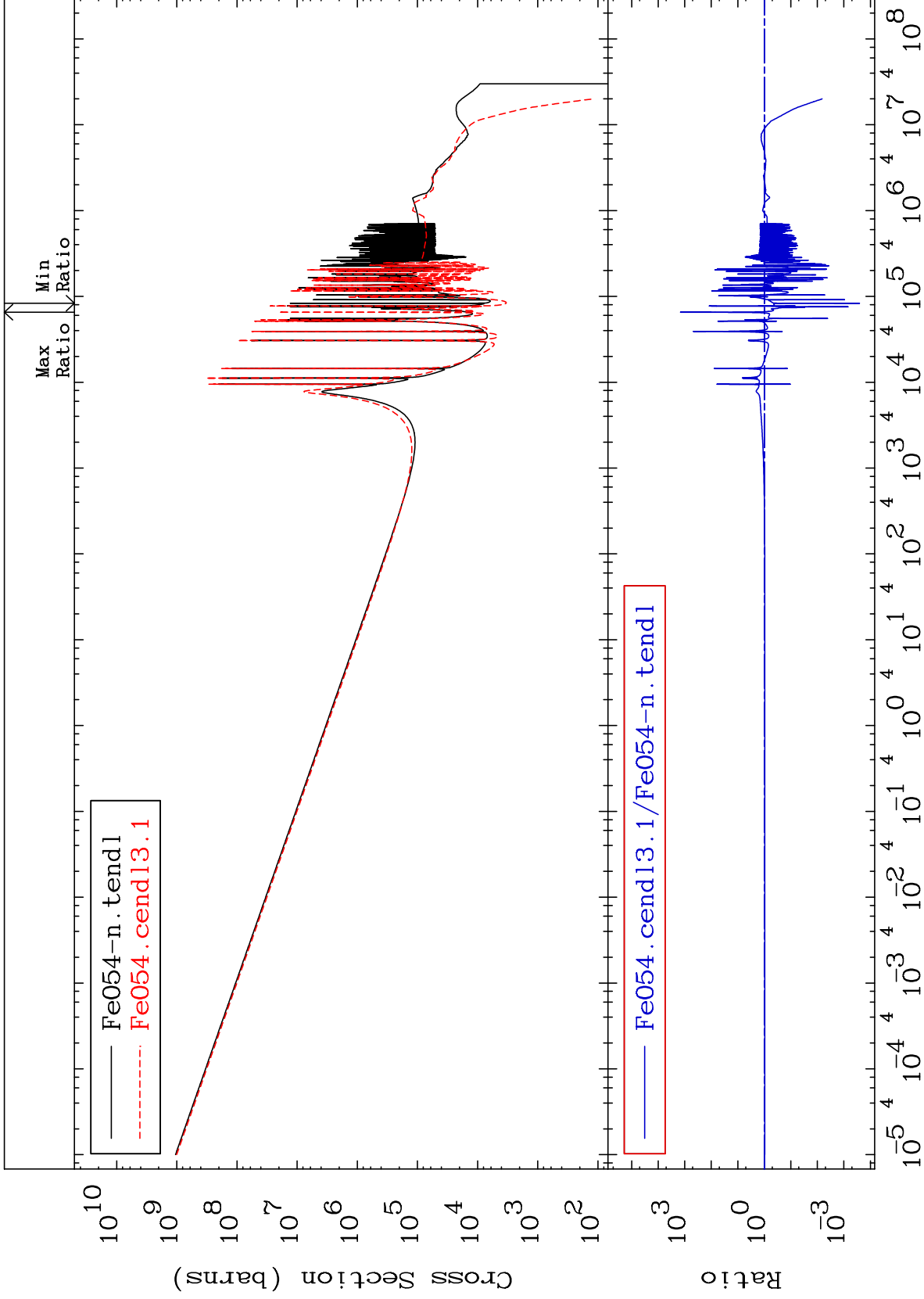
Incident Energy (eV)

26-Fe-54

MAT 2625

Kerma capture (mt102)  
Cross Section

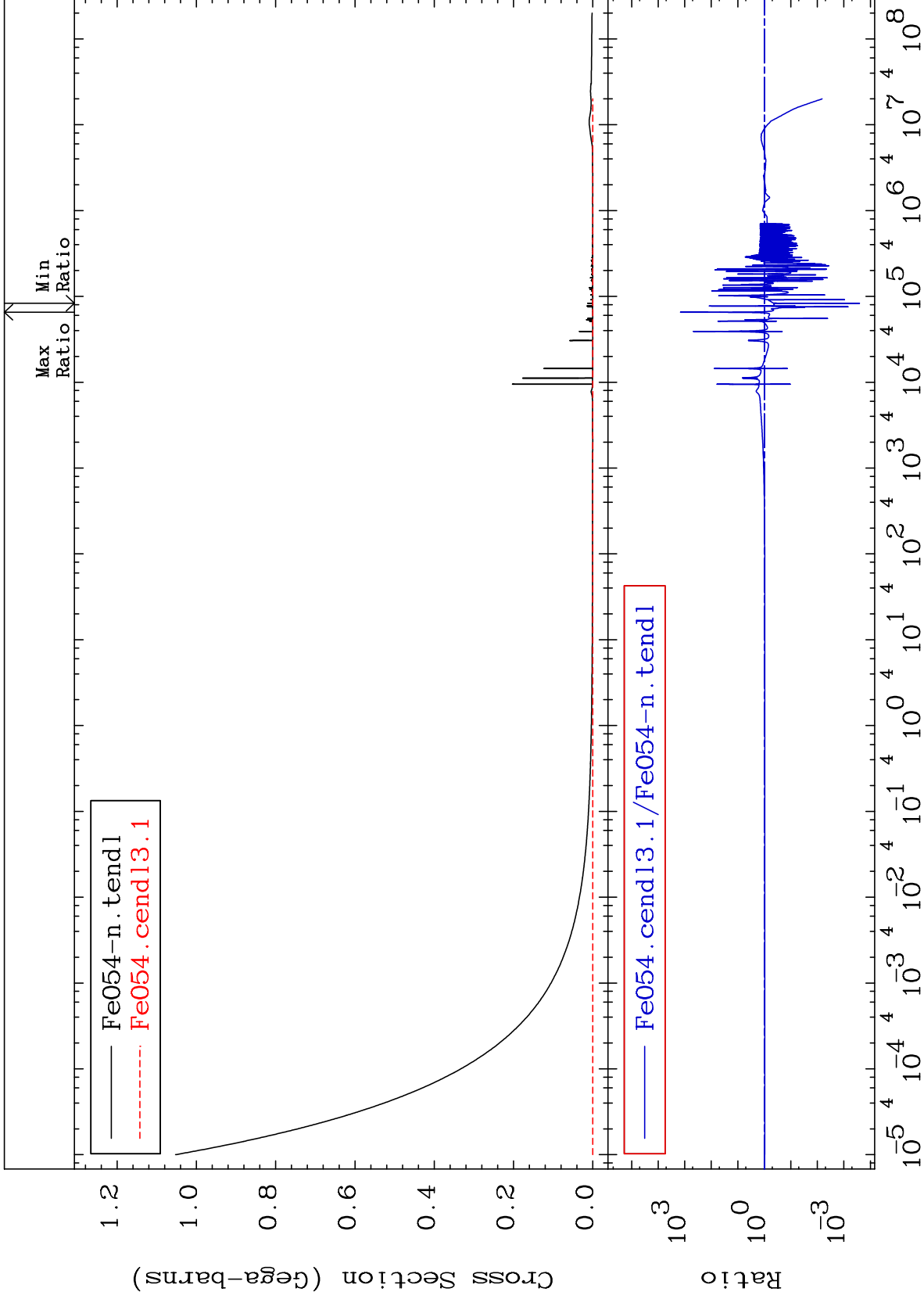
26-Fe-54  
-99.97 To 9999. %



37

Incident Energy (eV)

26-Fe-54

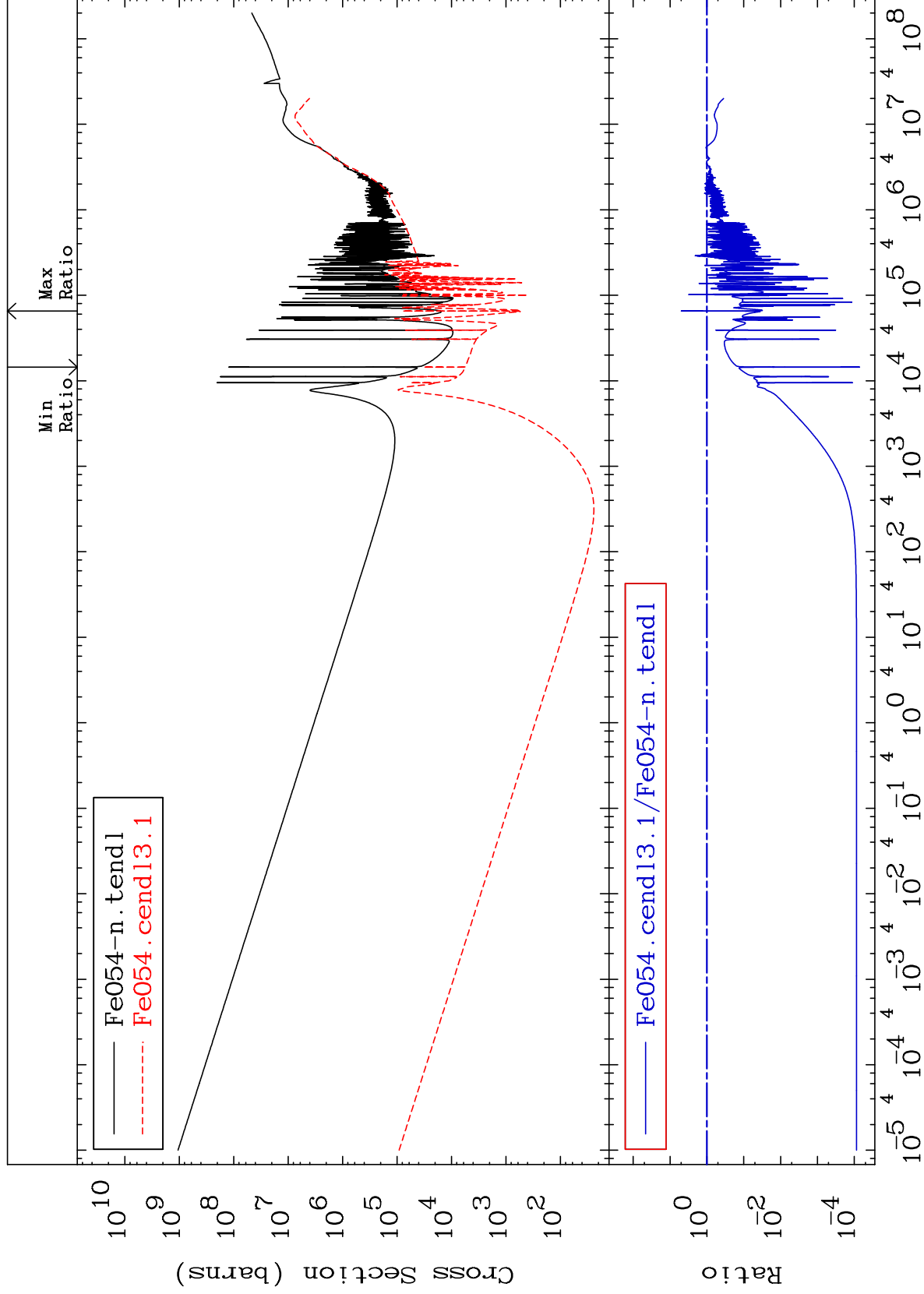


MAT 2625

Total kinematic kerma (high limit)  
Cross Section

26-Fe-54

-99.99 To 398.8 %



39

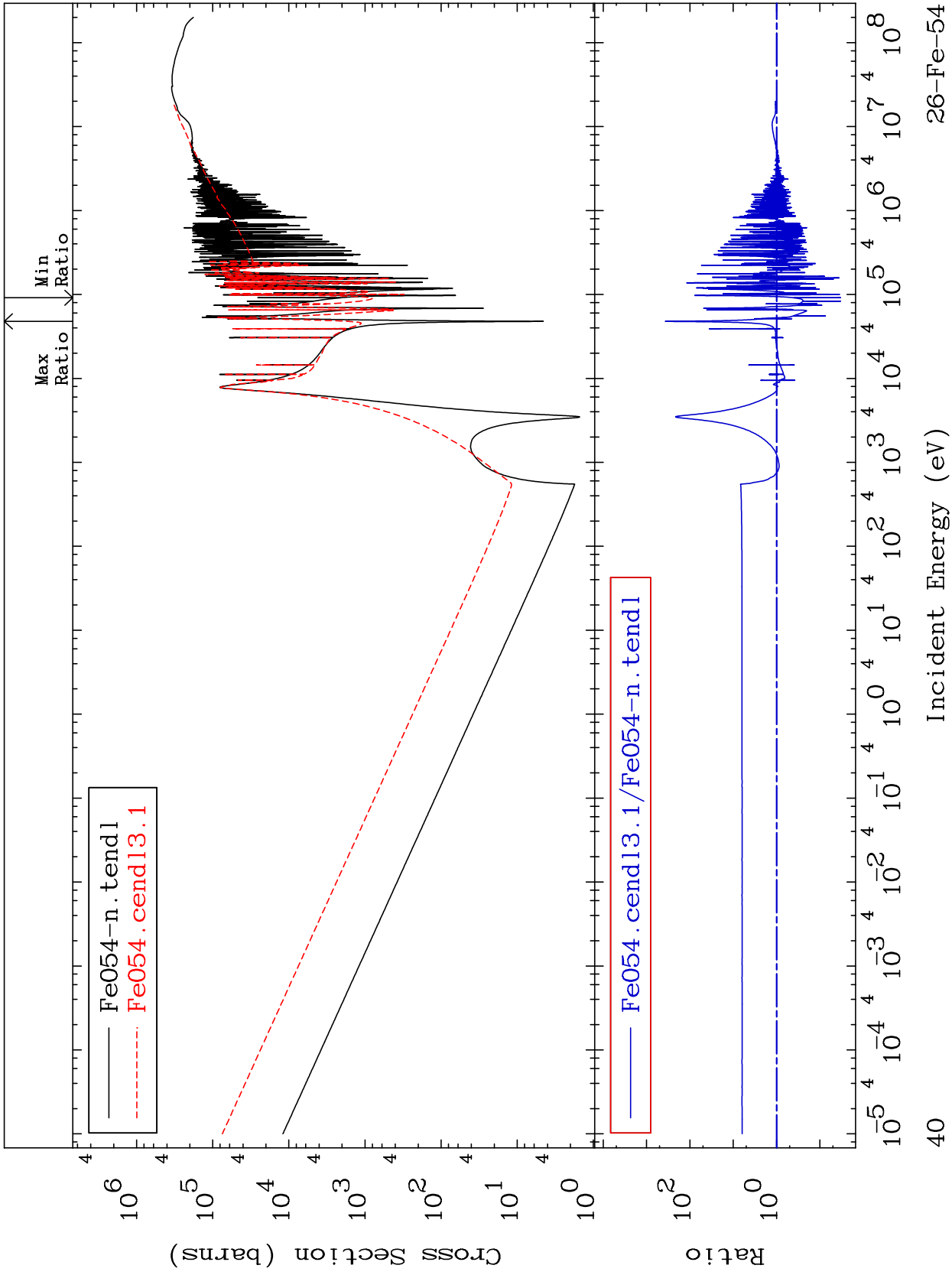
Incident Energy (eV)

26-Fe-54

MAT 2625

Dpa total (eV-barns)  
Cross Section

26-Fe-54  
-96.68 To 9999. %

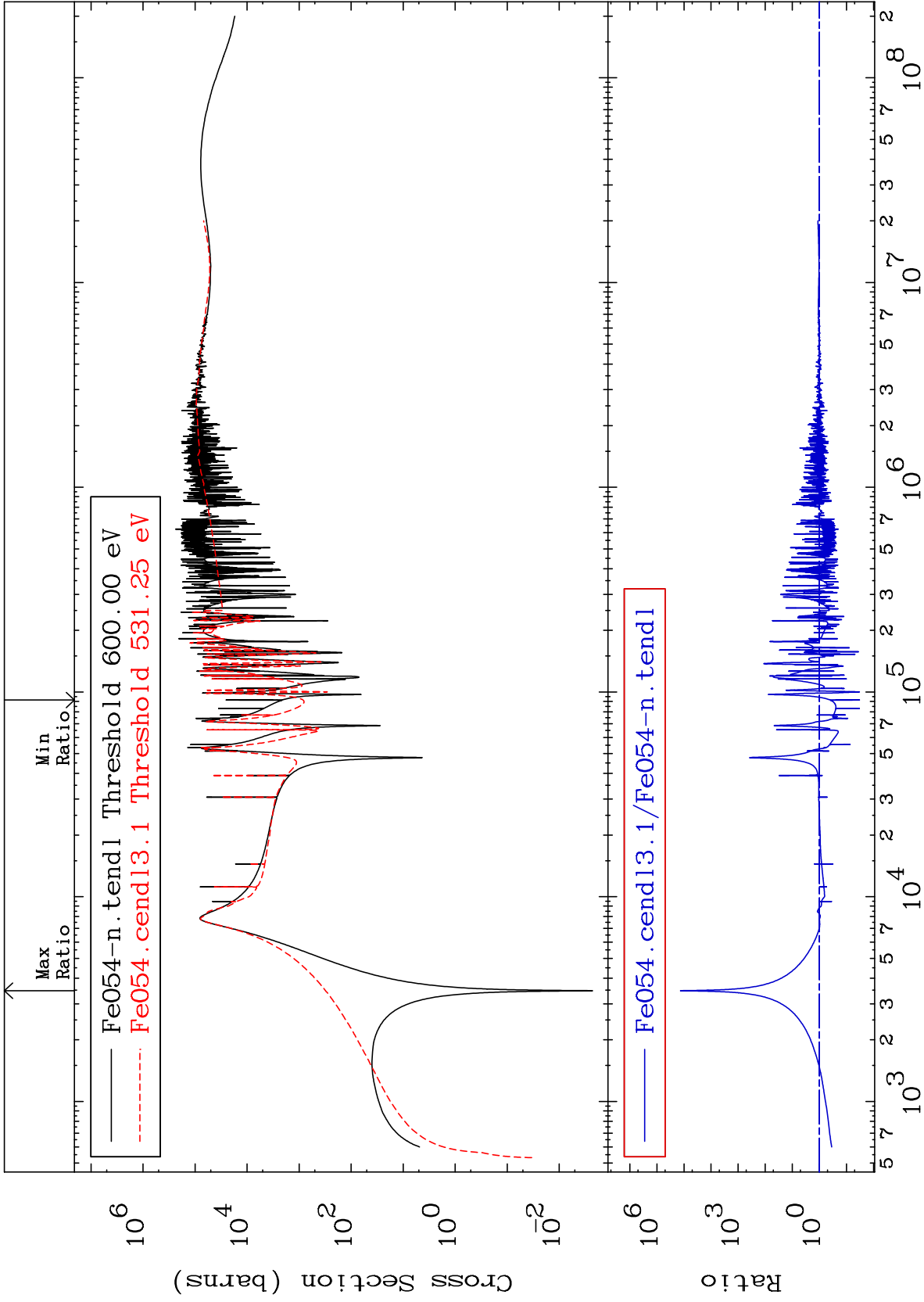


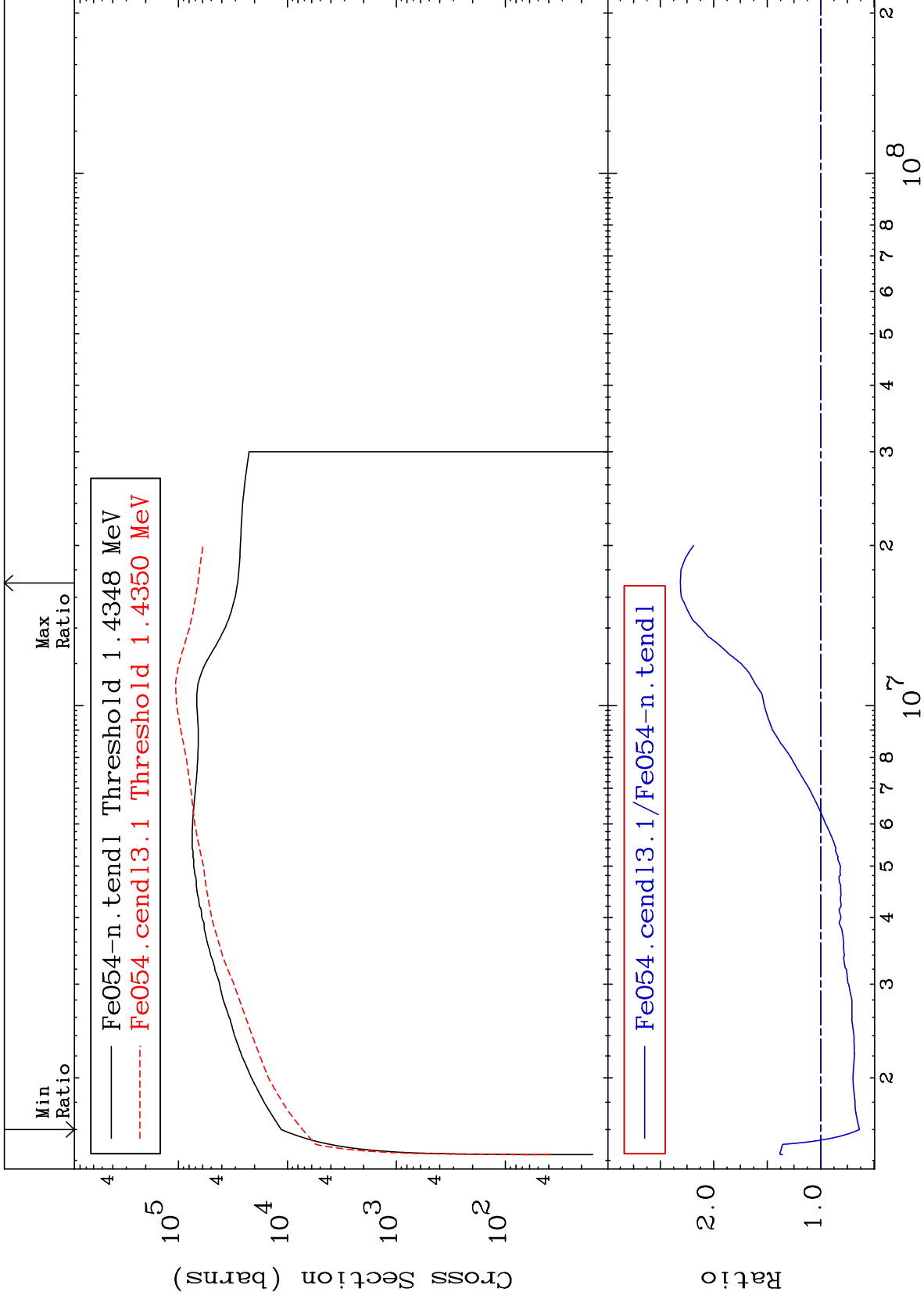
40

Incident Energy (eV)

26-Fe-54



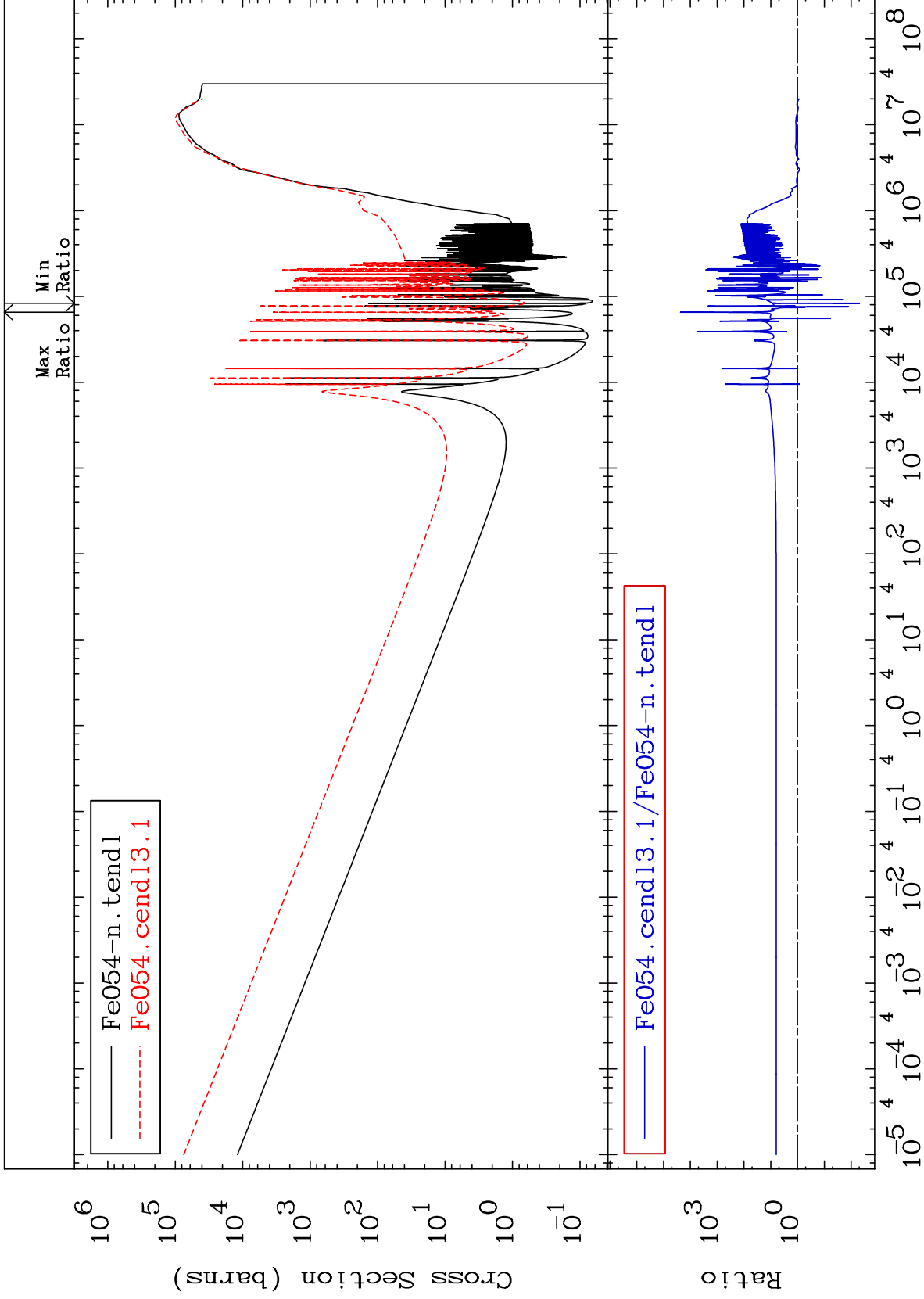




MAT 2625

Dpa disappearance (mt102 -120)  
Cross Section

26-Fe-54  
-99.51 To 9999. %



43

Incident Energy (eV)

26-Fe-54