

Program Complot  
(Version 2018-1)

by

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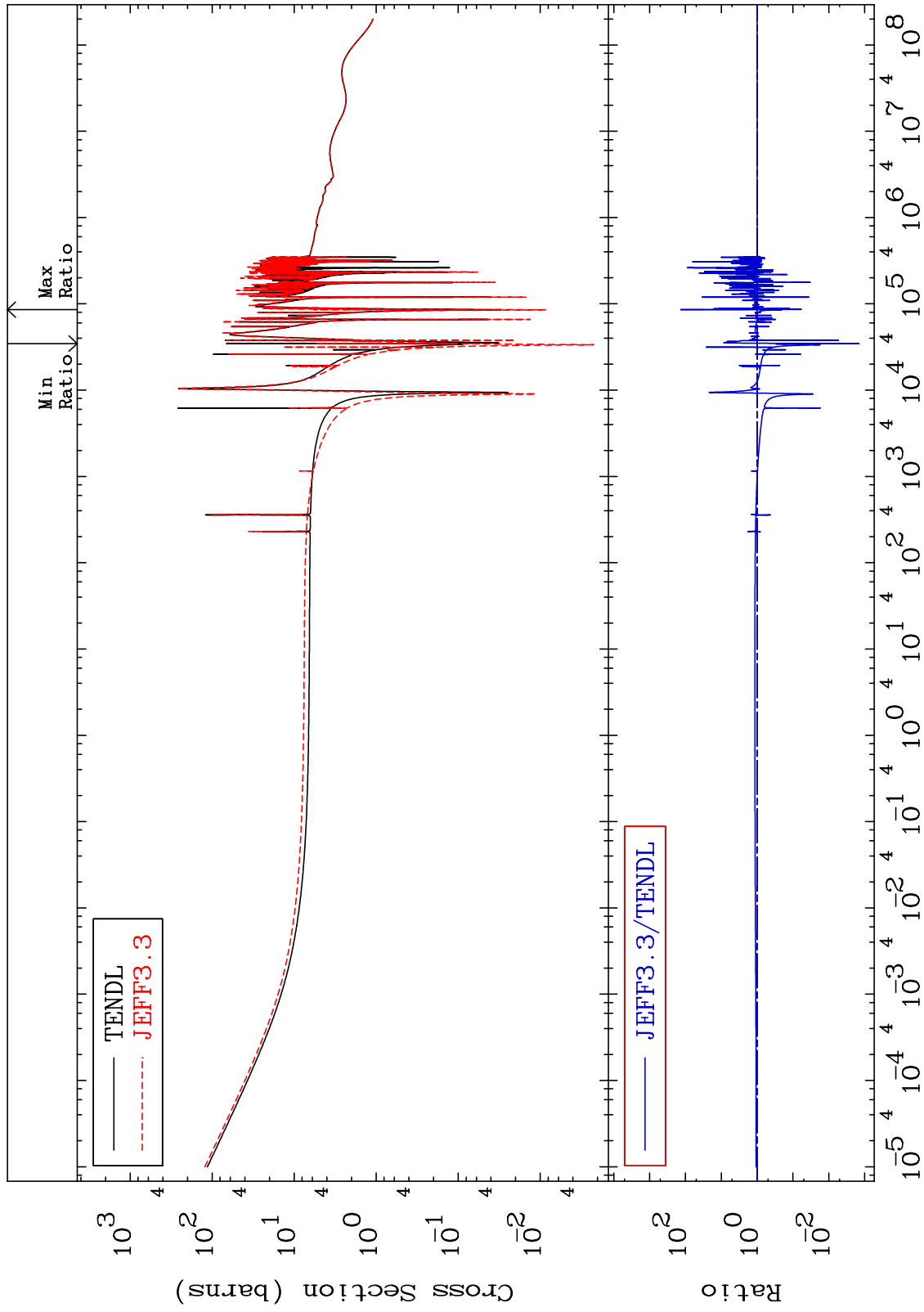
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 2637

Total  
Cross Section

26-Fe-58  
-99.86 To 9999. %



1

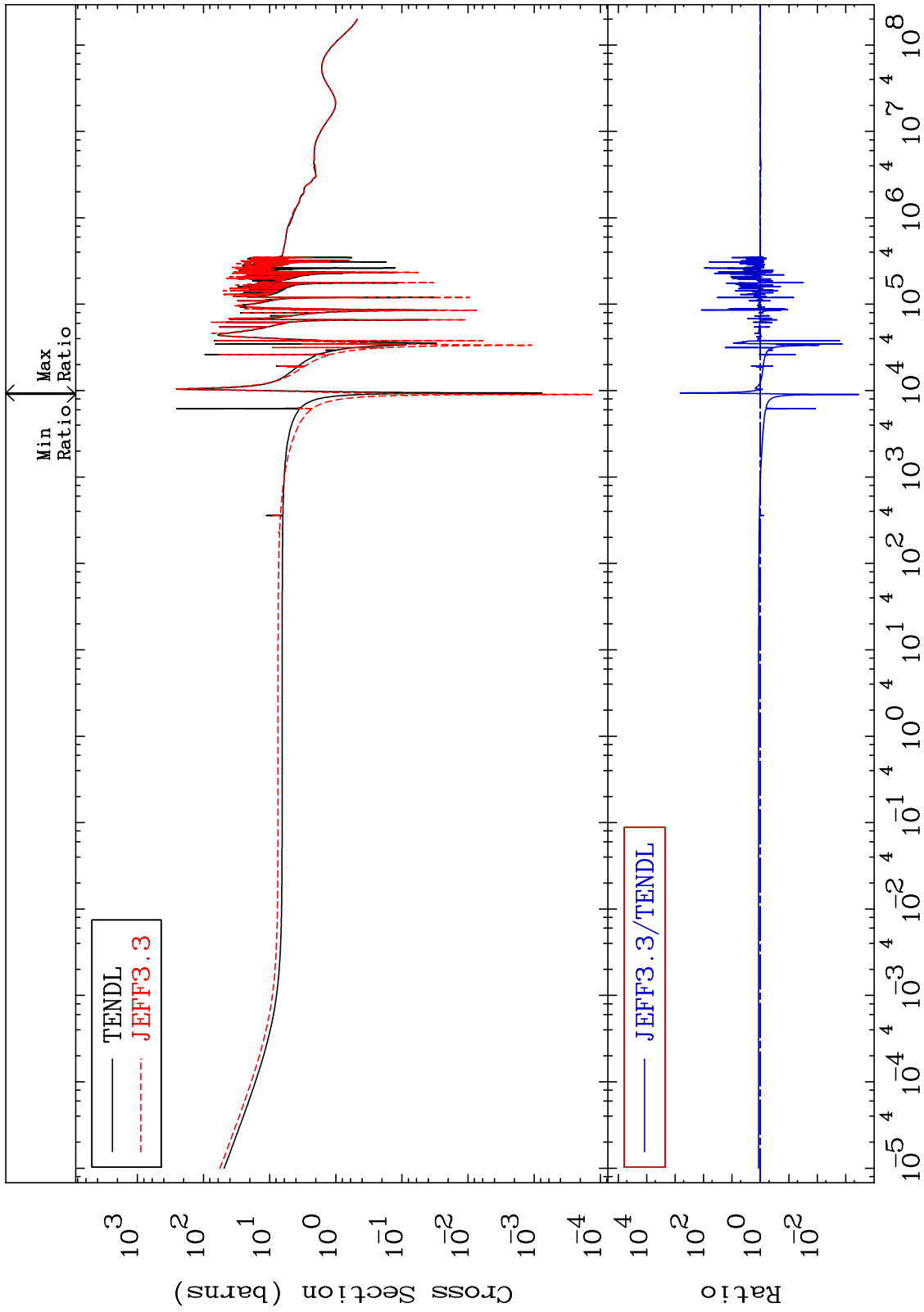
Incident Energy (eV)

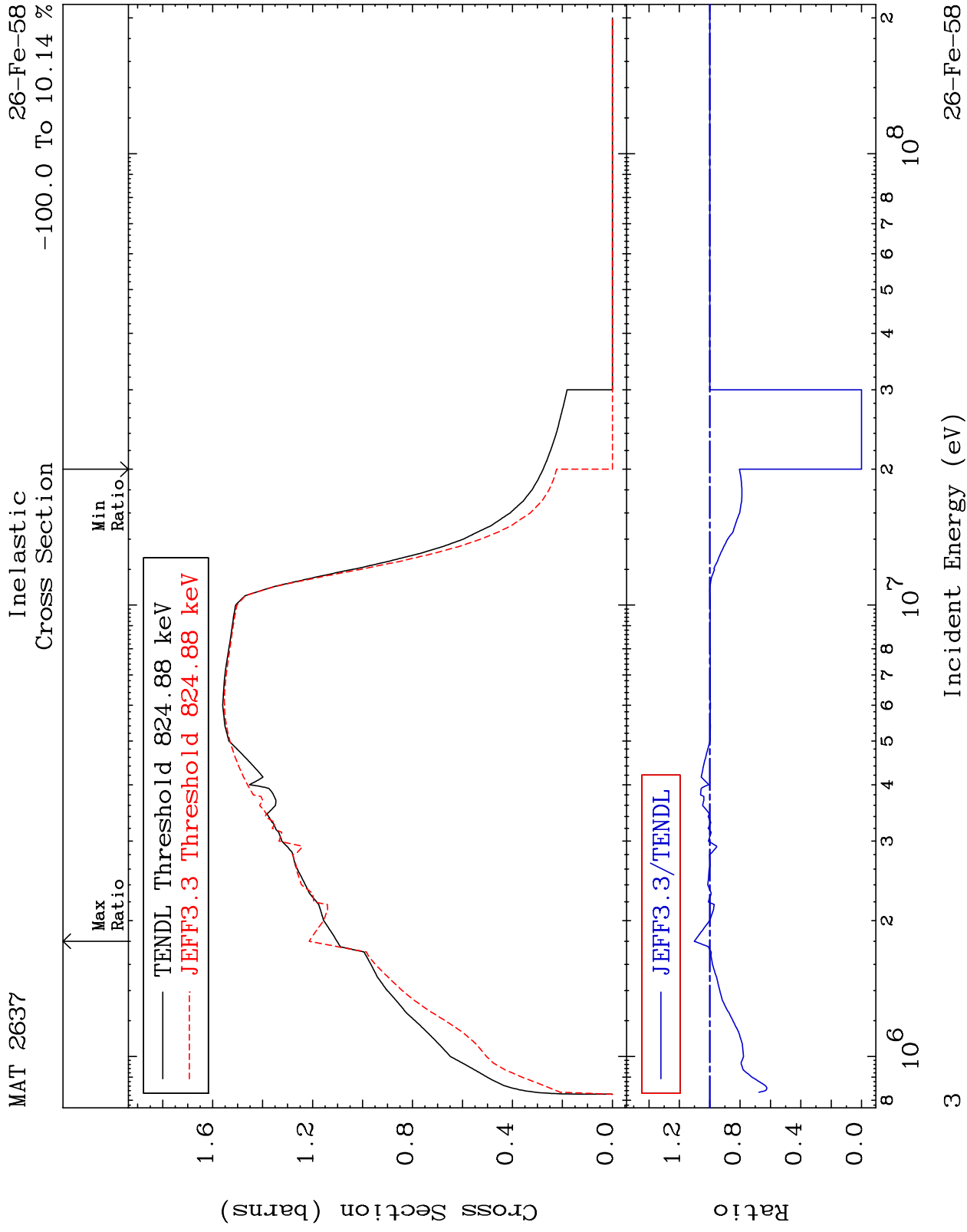
26-Fe-58

MAT 2637

Elastic  
Cross Section

26-Fe-58  
-99.97 To 9999. %

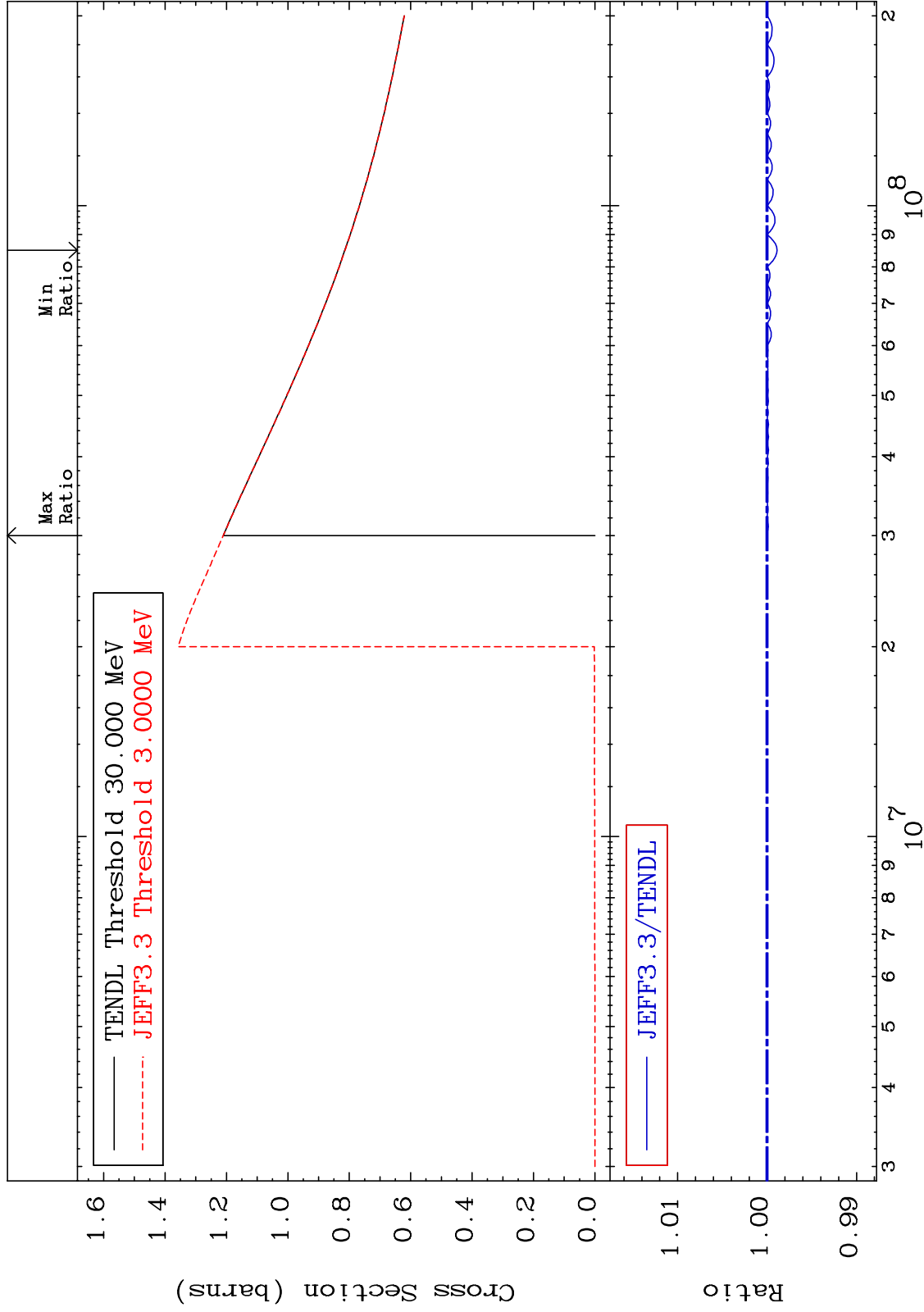




MAT 2637

(n, remainder)  
Cross Section

26-Fe-58  
-0.111 To 0.004 %

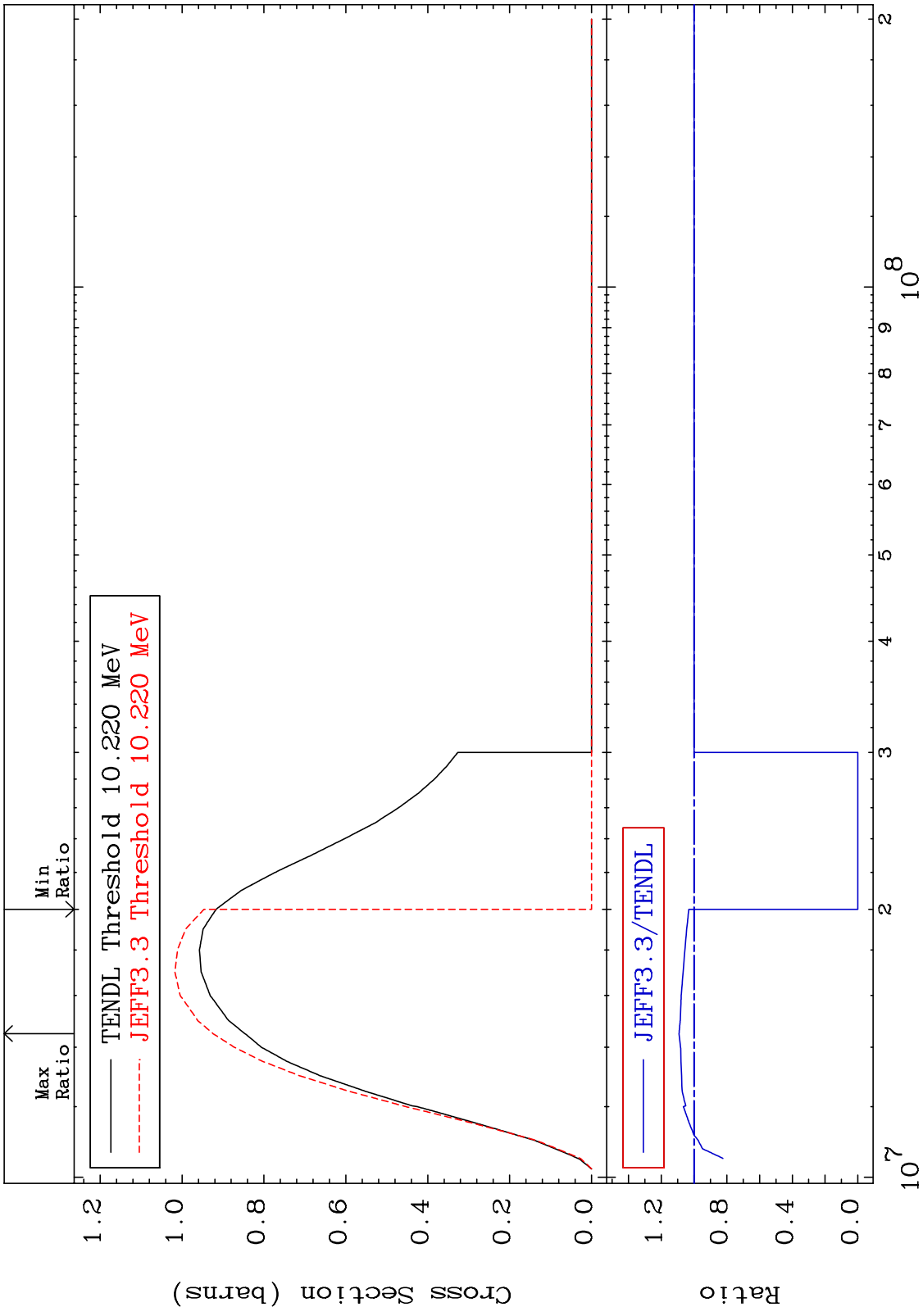


4

Incident Energy (eV)

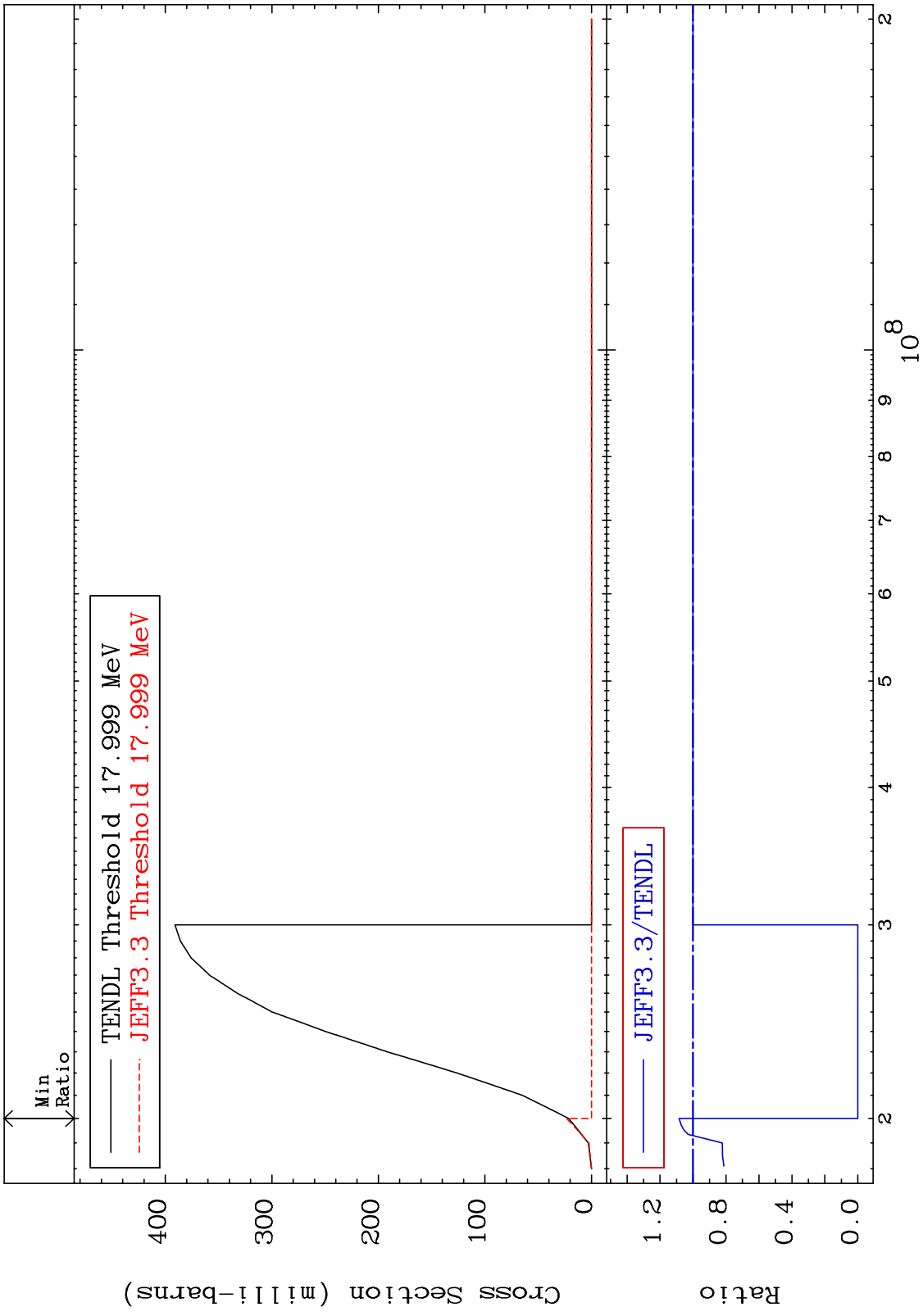
26-Fe-58

MAT 2637 (n,2n) Cross Section 26-Fe-58 -100.0 To 9.174 %

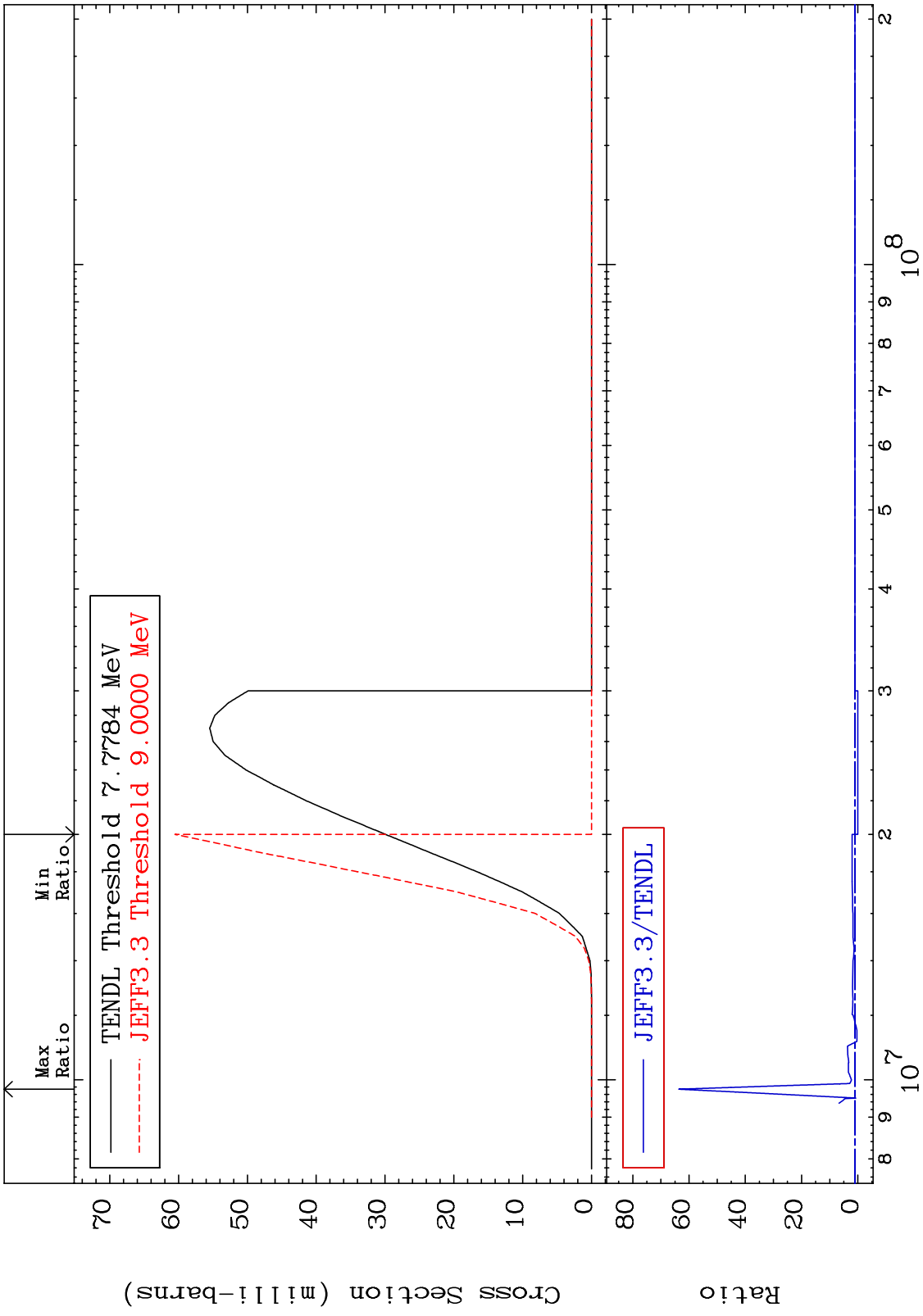


Incident Energy (eV) 26-Fe-58

MAT 2637 (n,3n) Cross Section 26-Fe-58  
 -100.0 To 8.477 %



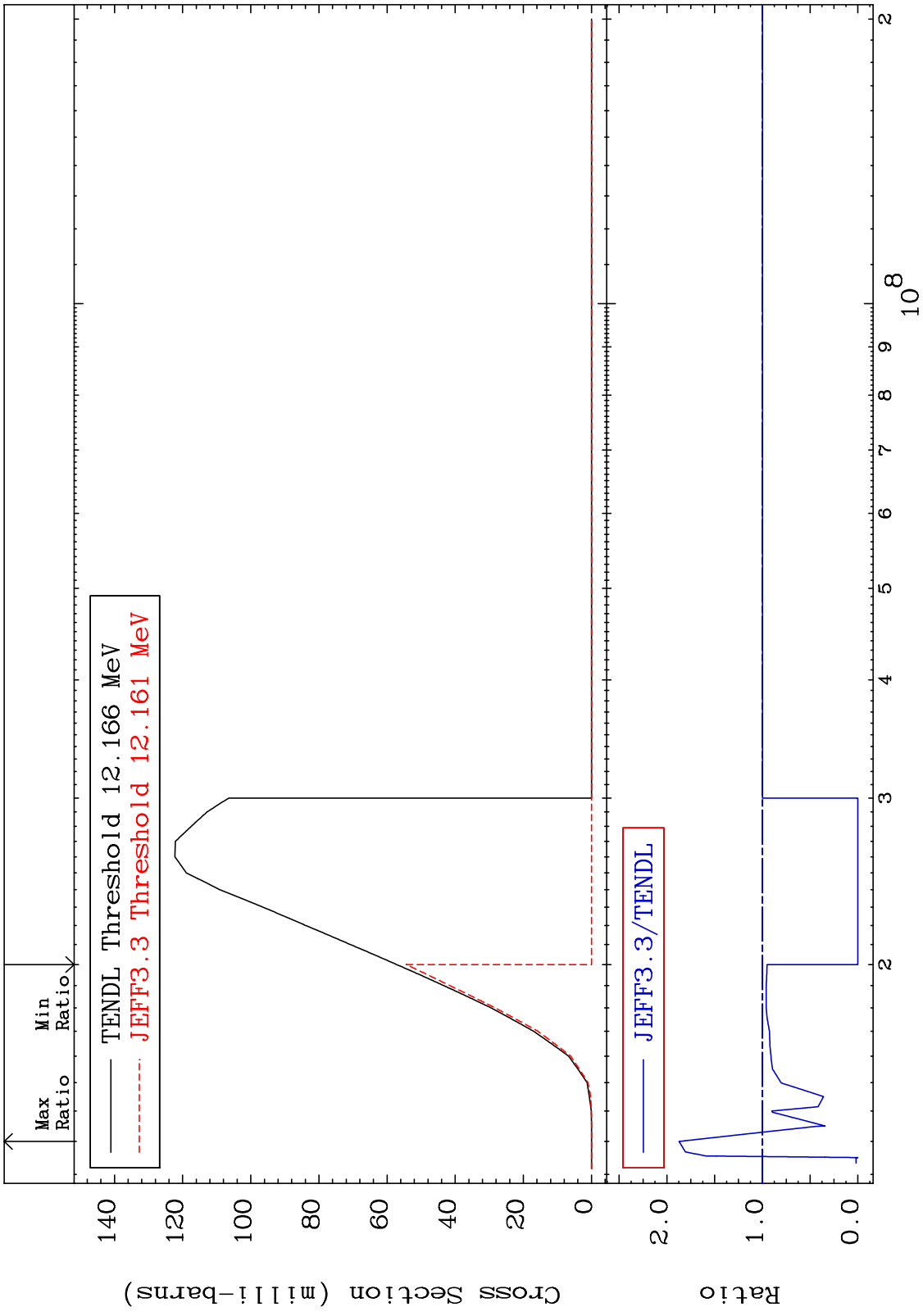
MAT 2637  $(n, n') \alpha$  Cross Section  $^{26}\text{Fe-58}$   
 -100.0 To 6255. %



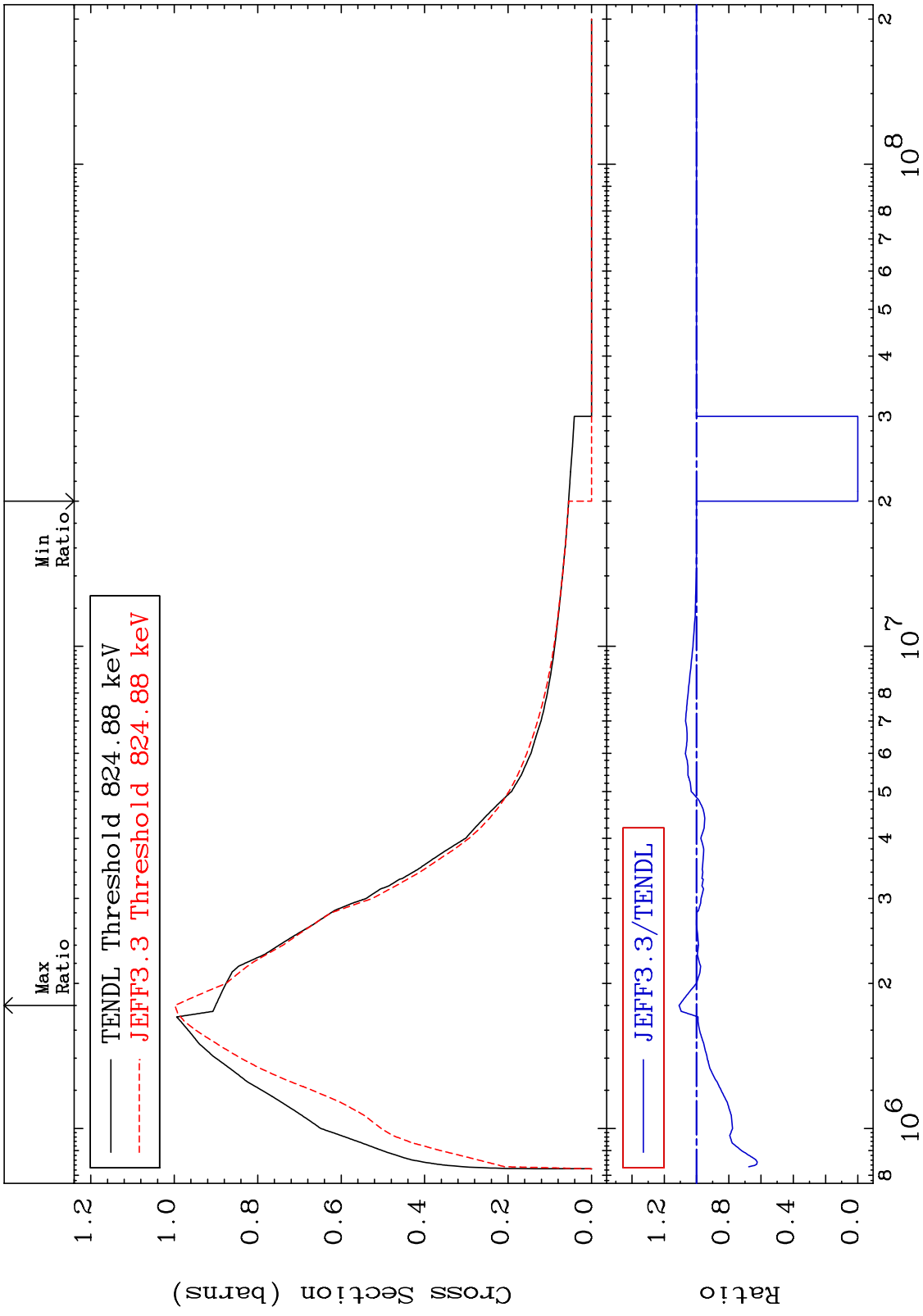
7 Incident Energy (eV)  $^{26}\text{Fe-58}$



MAT 2637 (n,n') p 26-Fe-58  
 Cross Section -100.0 To 87.29 %

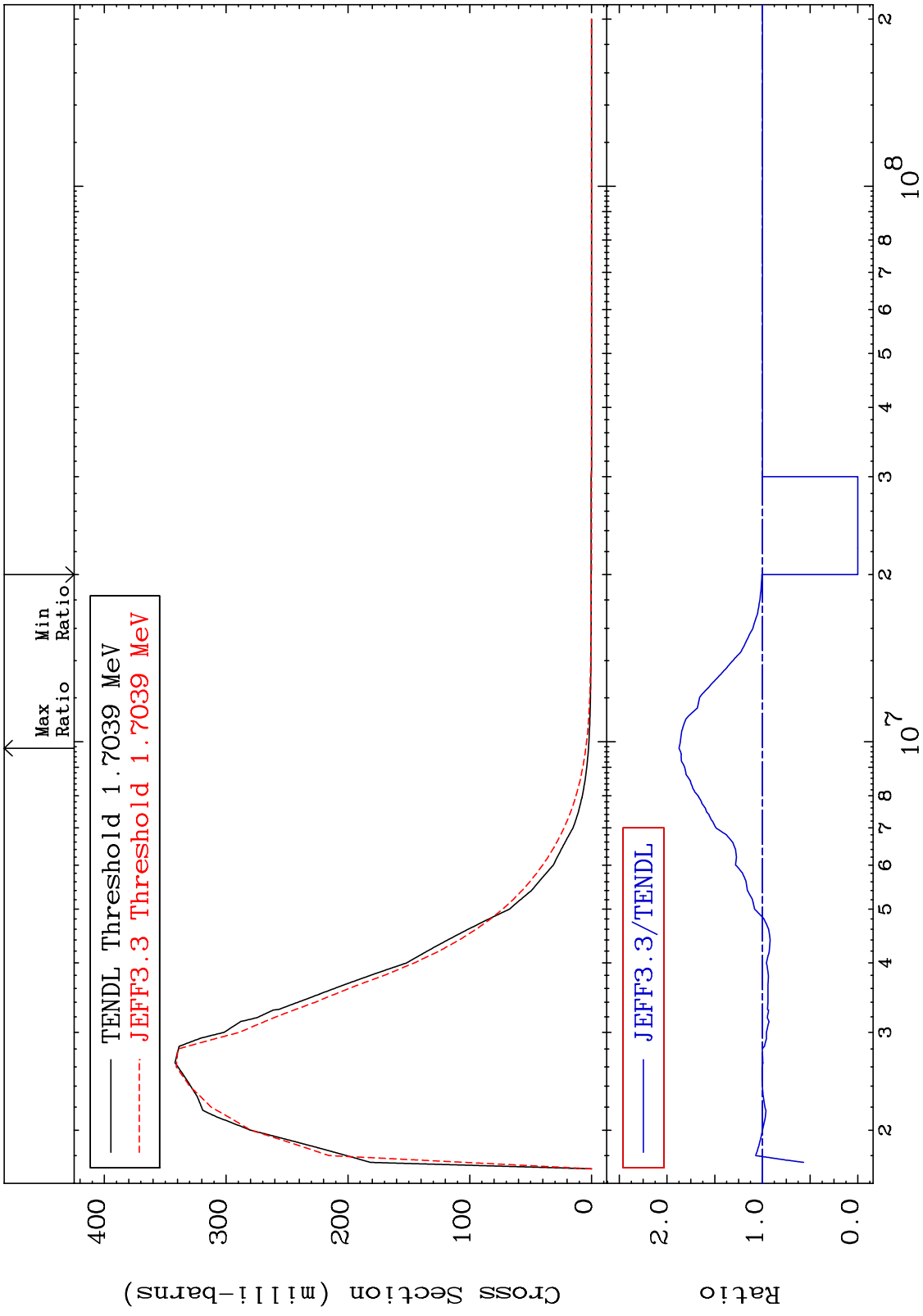


MAT 2637 MT= 51 (n,n') Level Cross Section -100.0 To 10.82 % 26-Fe-58



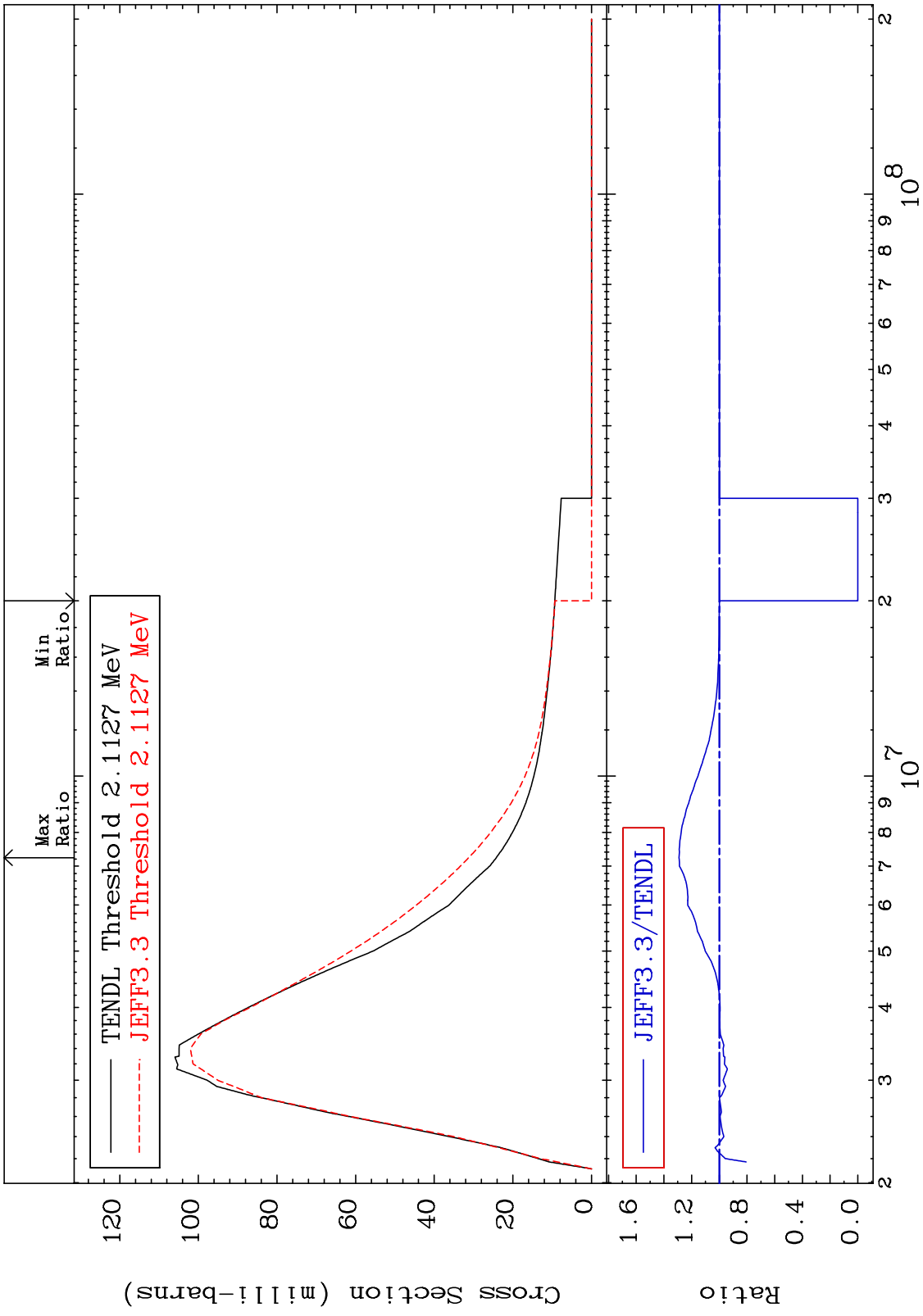
9 Incident Energy (eV) 26-Fe-58

MAT 2637 MT= 52 (n,n') Level Cross Section -100.0 To 87.41 % 26-Fe-58

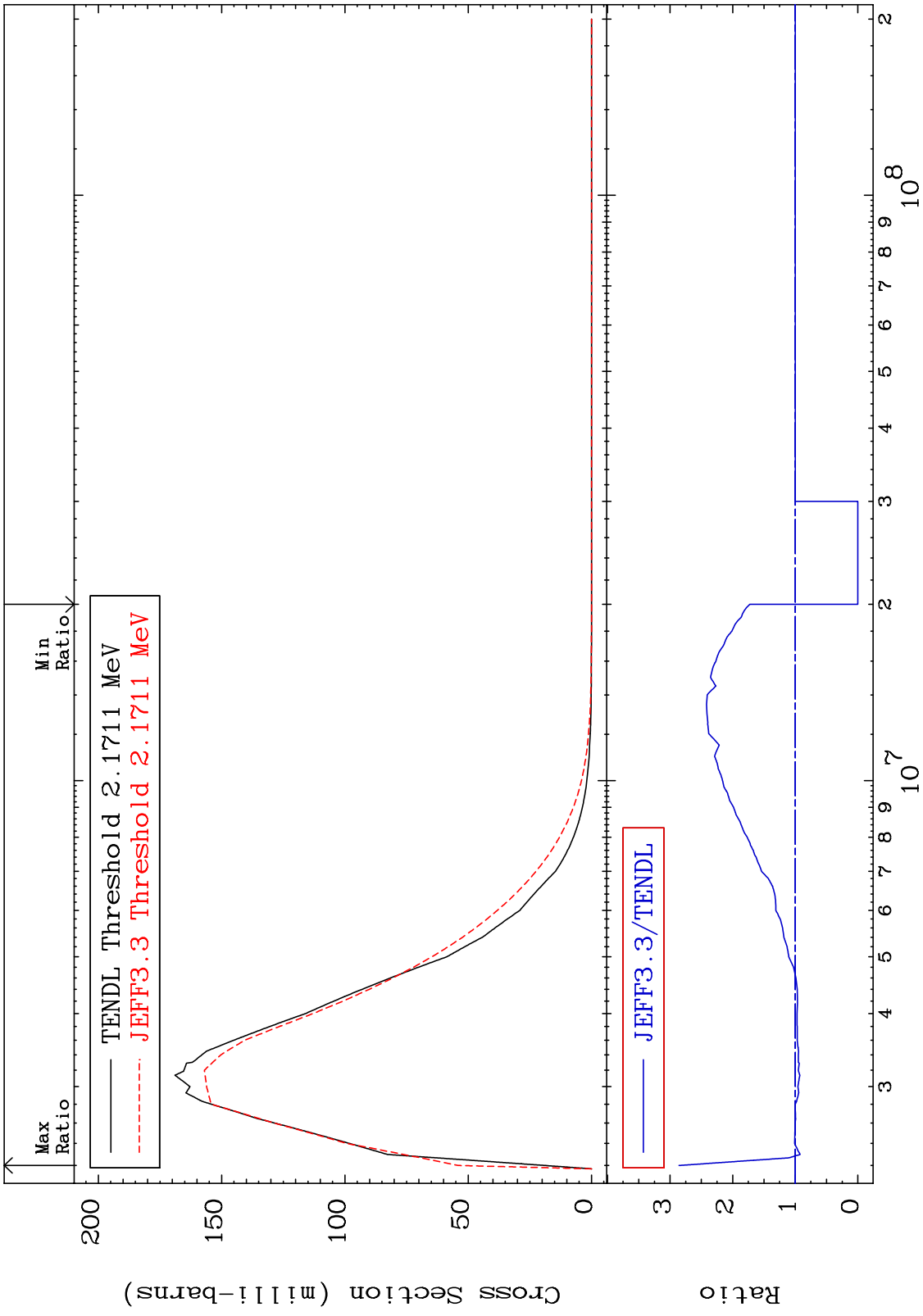


10 Incident Energy (eV) 26-Fe-58

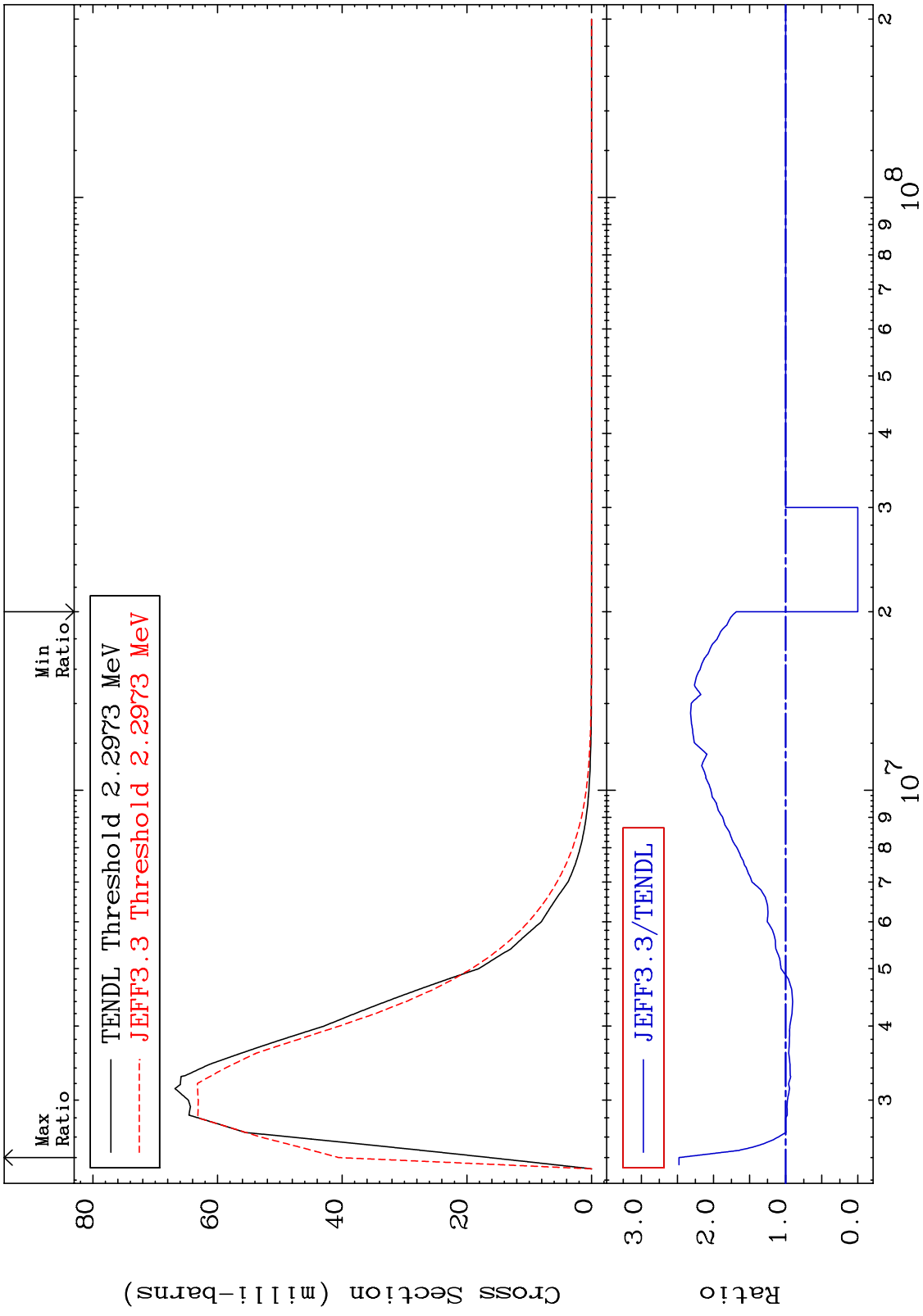
MAT 2637 MT= 53 (n,n') Level Cross Section -100.0 To 29.07 % 26-Fe-58



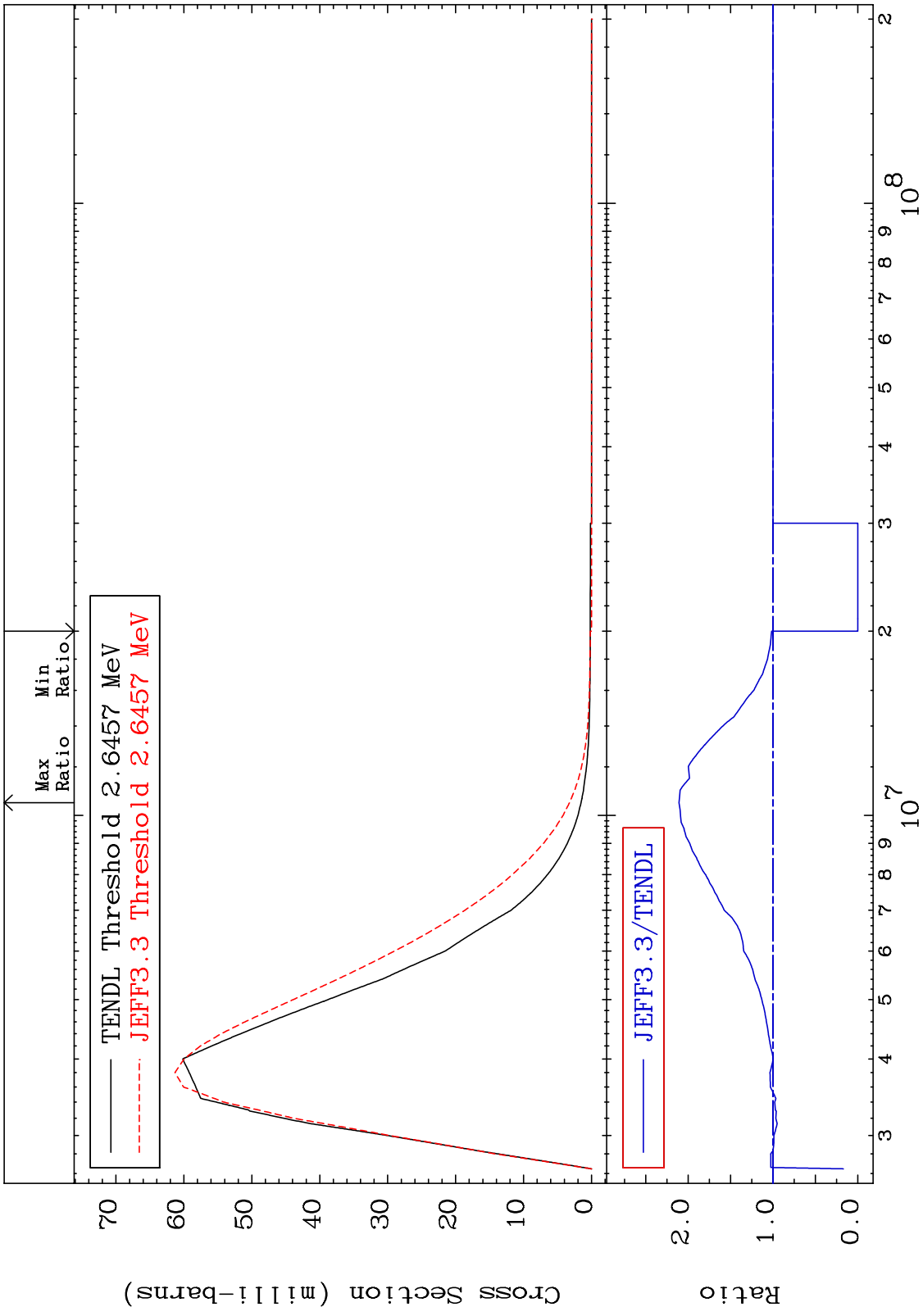
MAT 2637 MT= 54 (n,n') Level Cross Section -100.0 To 185.6 % 26-Fe-58



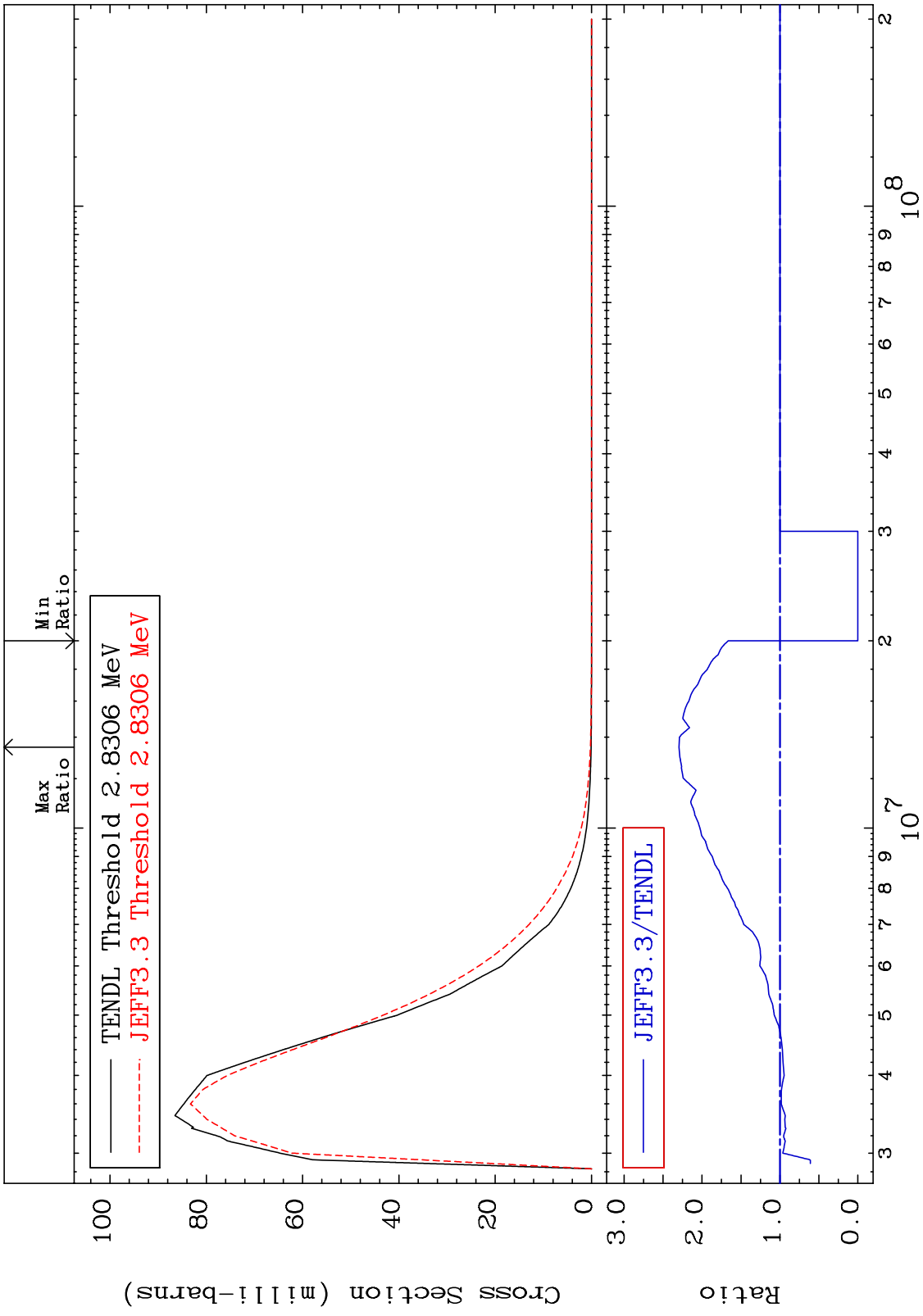
MAT 2637 MT= 55 (n,n') Level Cross Section -100.0 To 147.7 % 26-Fe-58



MAT 2637 MT= 56 (n,n') Level Cross Section -100.0 To 110.8 % 26-Fe-58

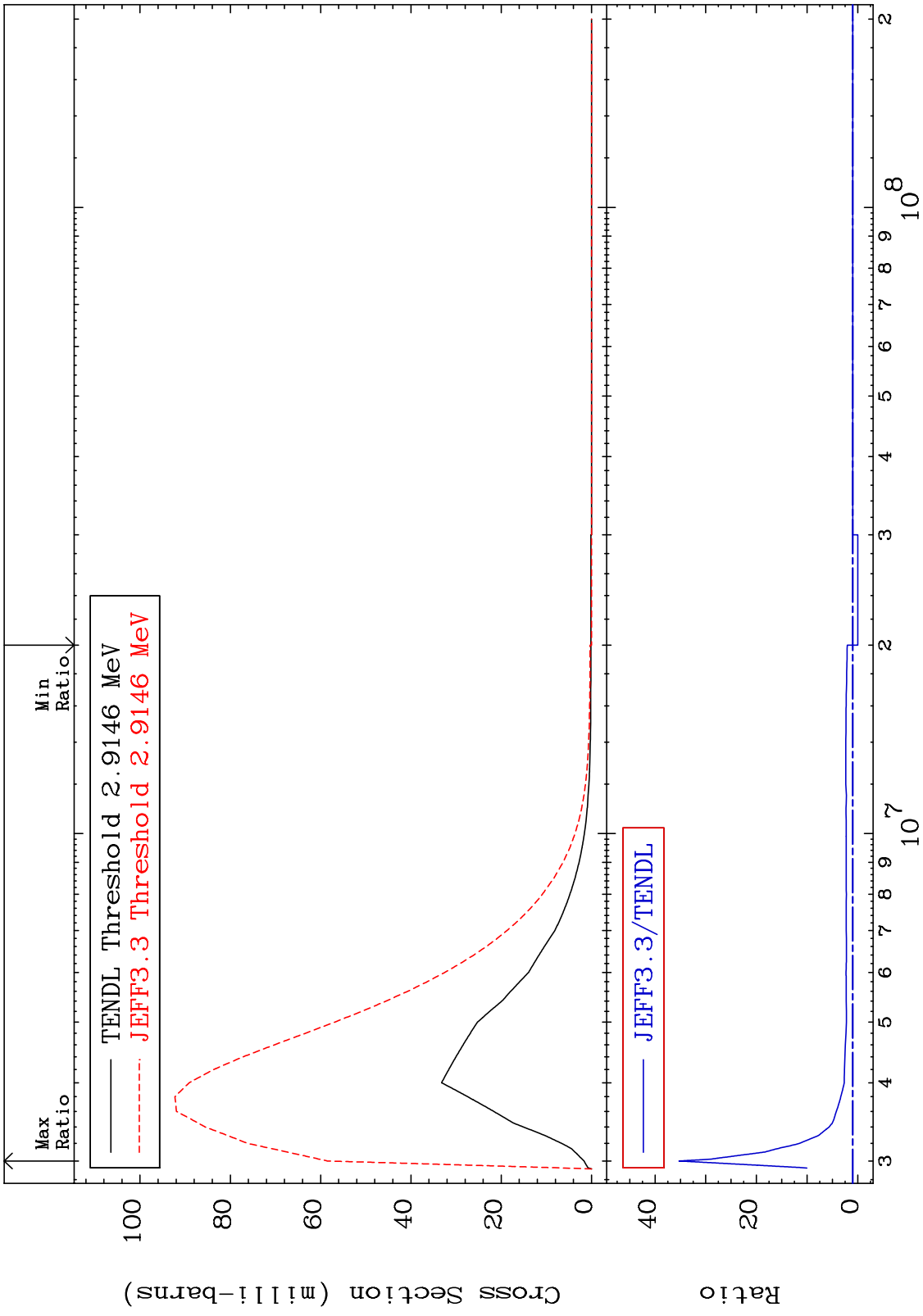


MAT 2637 MT= 57 (n,n') Level Cross Section -100.0 To 129.5 % 26-Fe-58



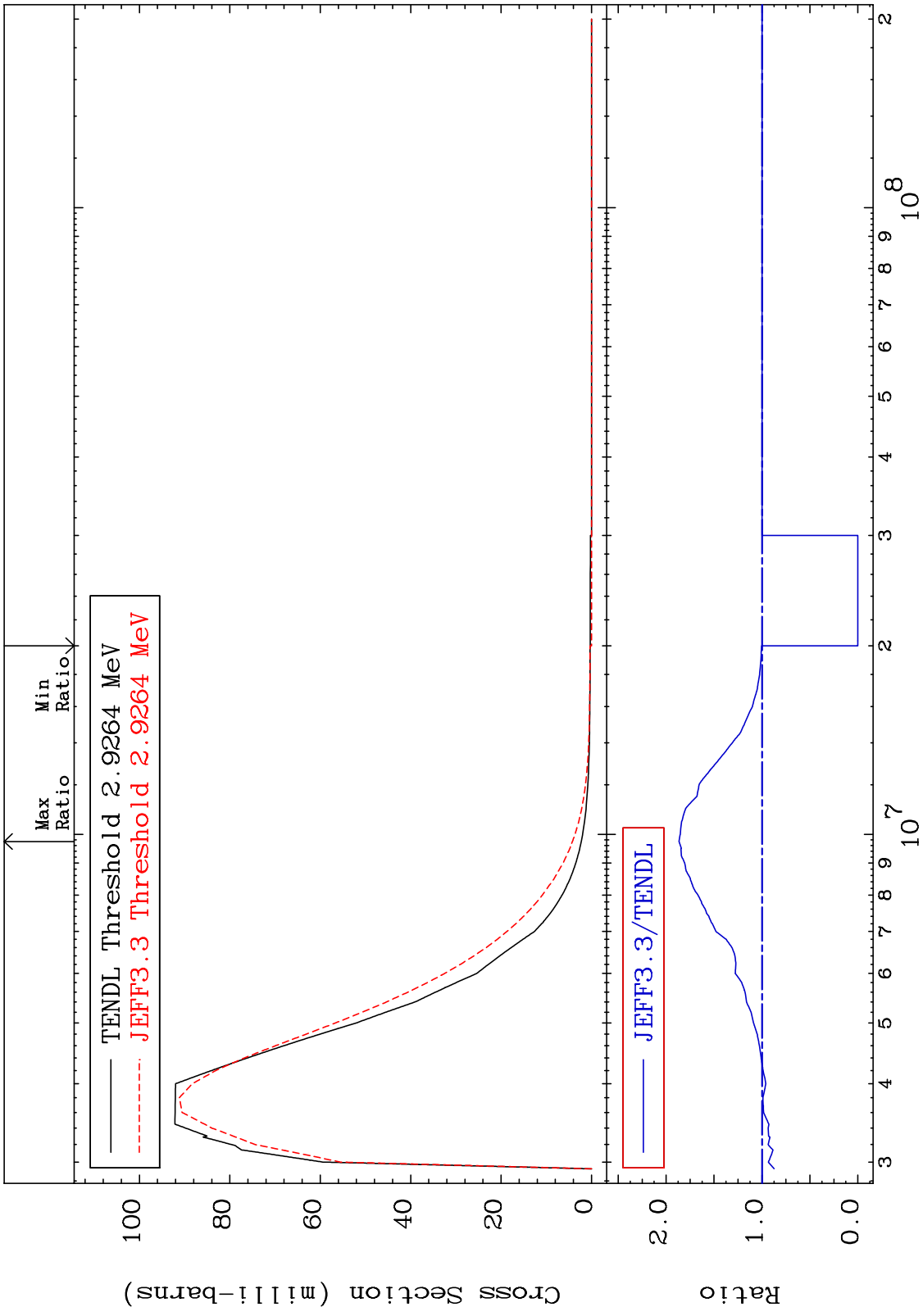


MAT 2637 MT= 58 (n,n') Level Cross Section -100.0 To 3427. % 26-Fe-58

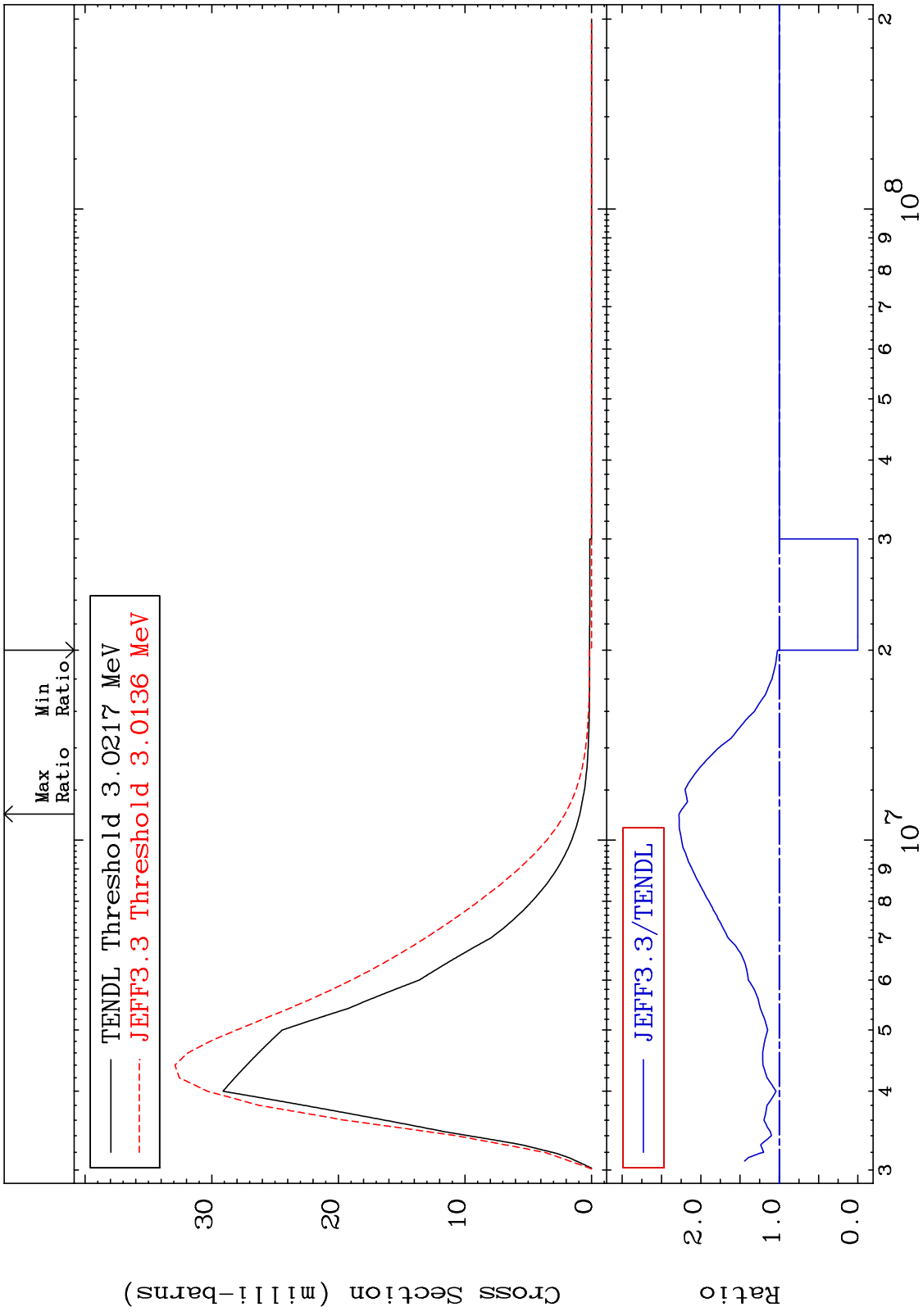


16 Incident Energy (eV) 26-Fe-58

MAT 2637 MT= 59 (n,n') Level Cross Section -100.0 To 86.52 % 26-Fe-58



MAT 2637 MT= 60 (n,n') Level Cross Section -100.0 To 127.6 % 26-Fe-58

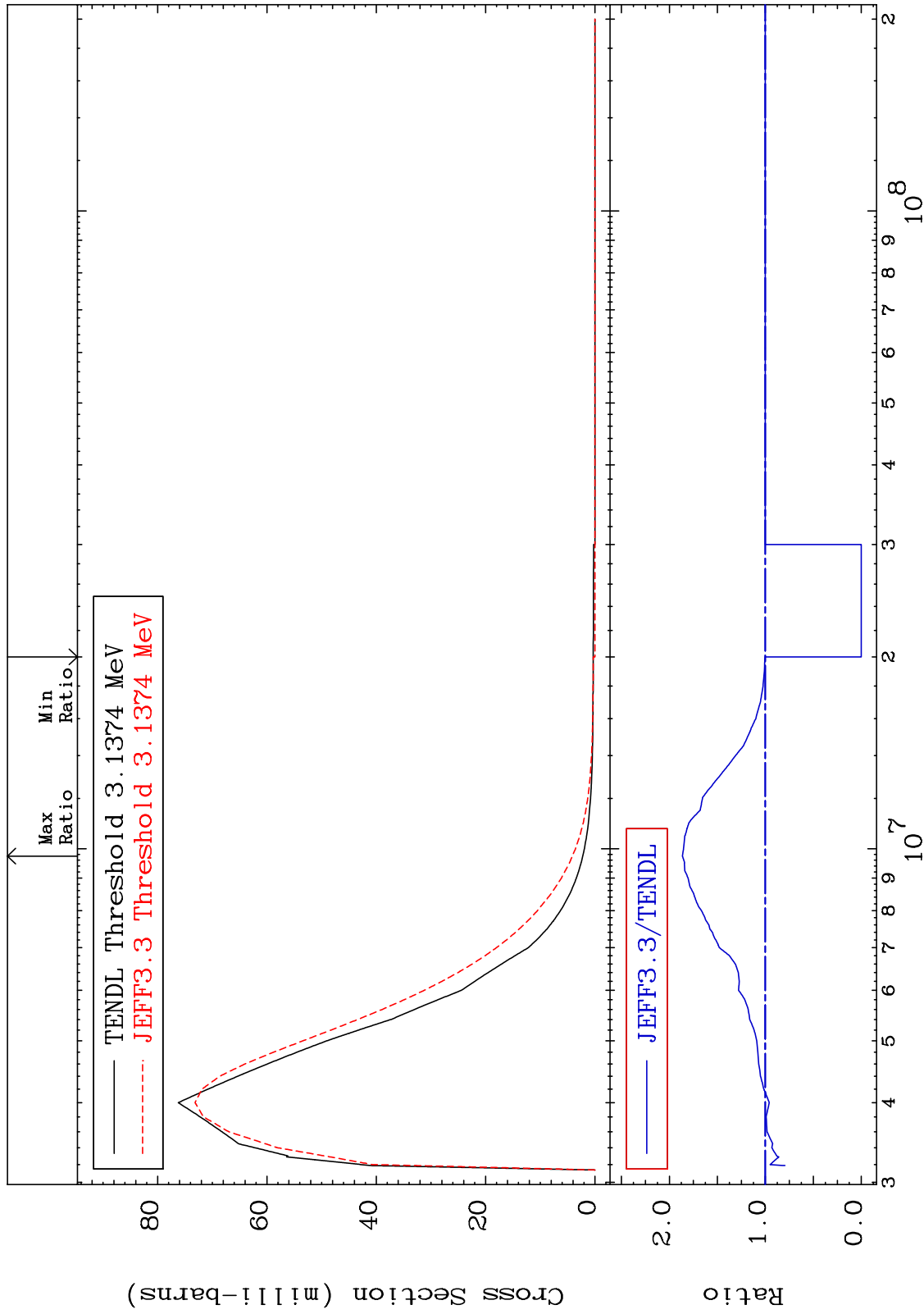


18 Incident Energy (eV) 26-Fe-58

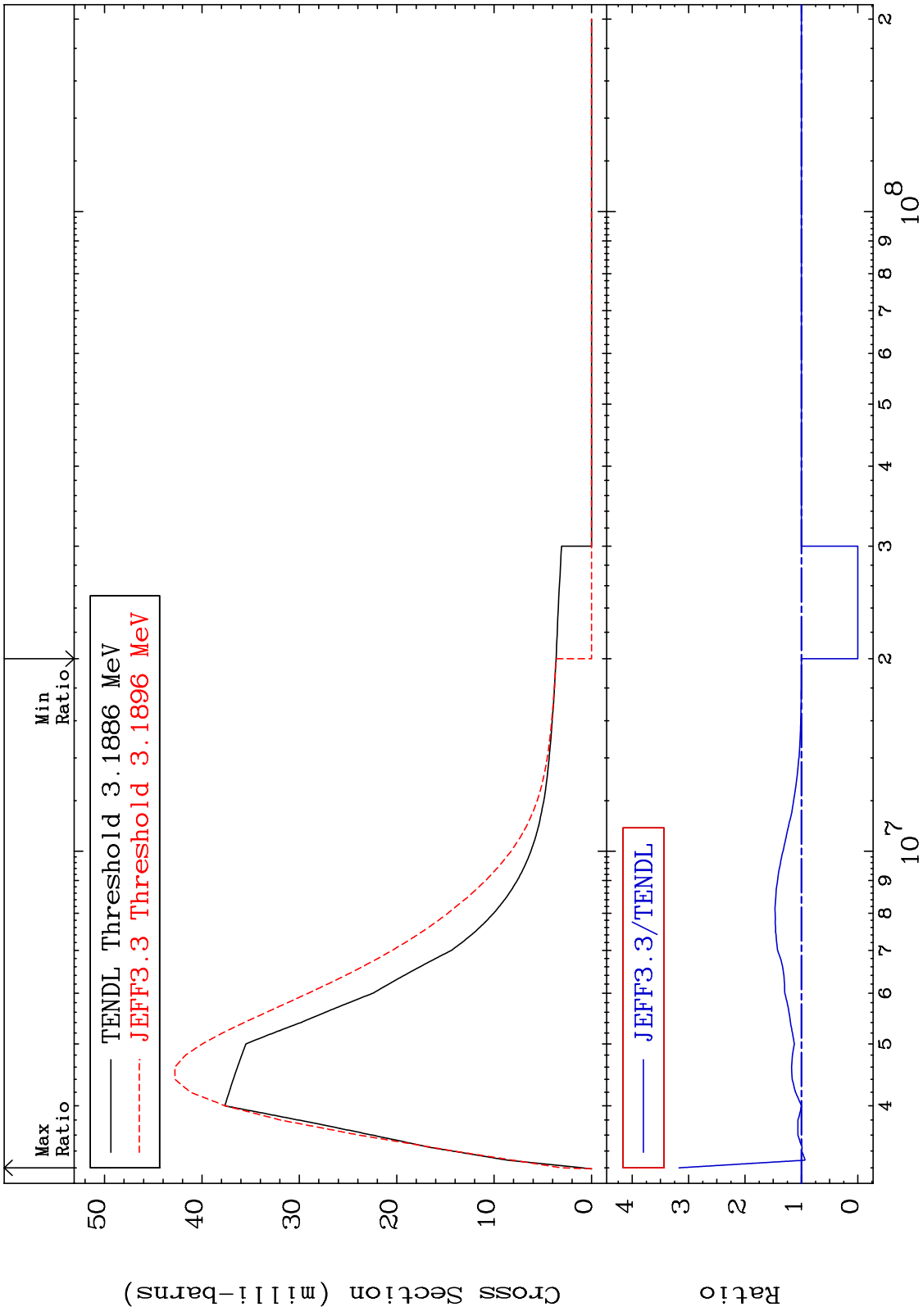
MAT 2637

MT= 61 (n,n') Level  
Cross Section

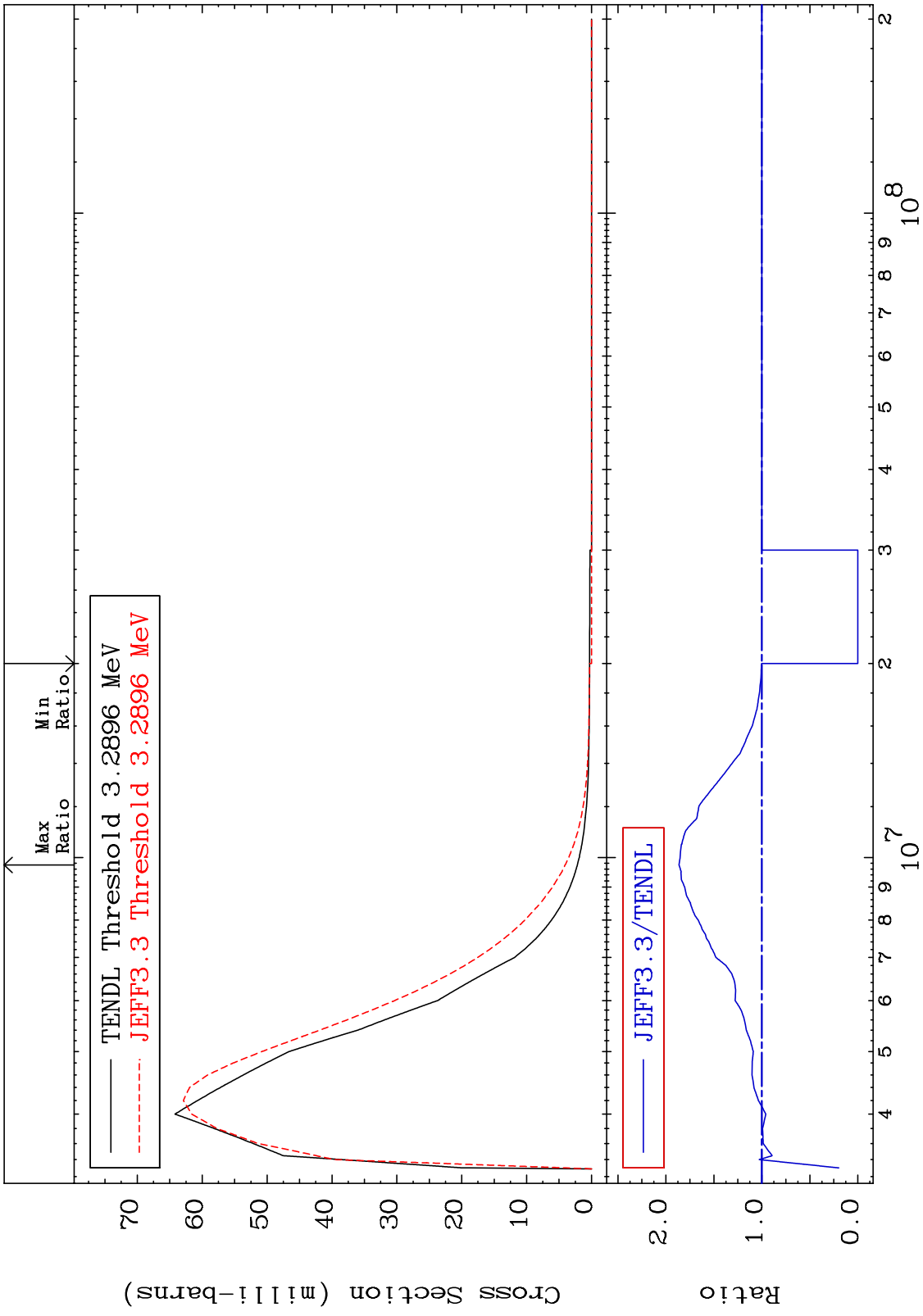
26-Fe-58  
-100.0 To 86.40 %



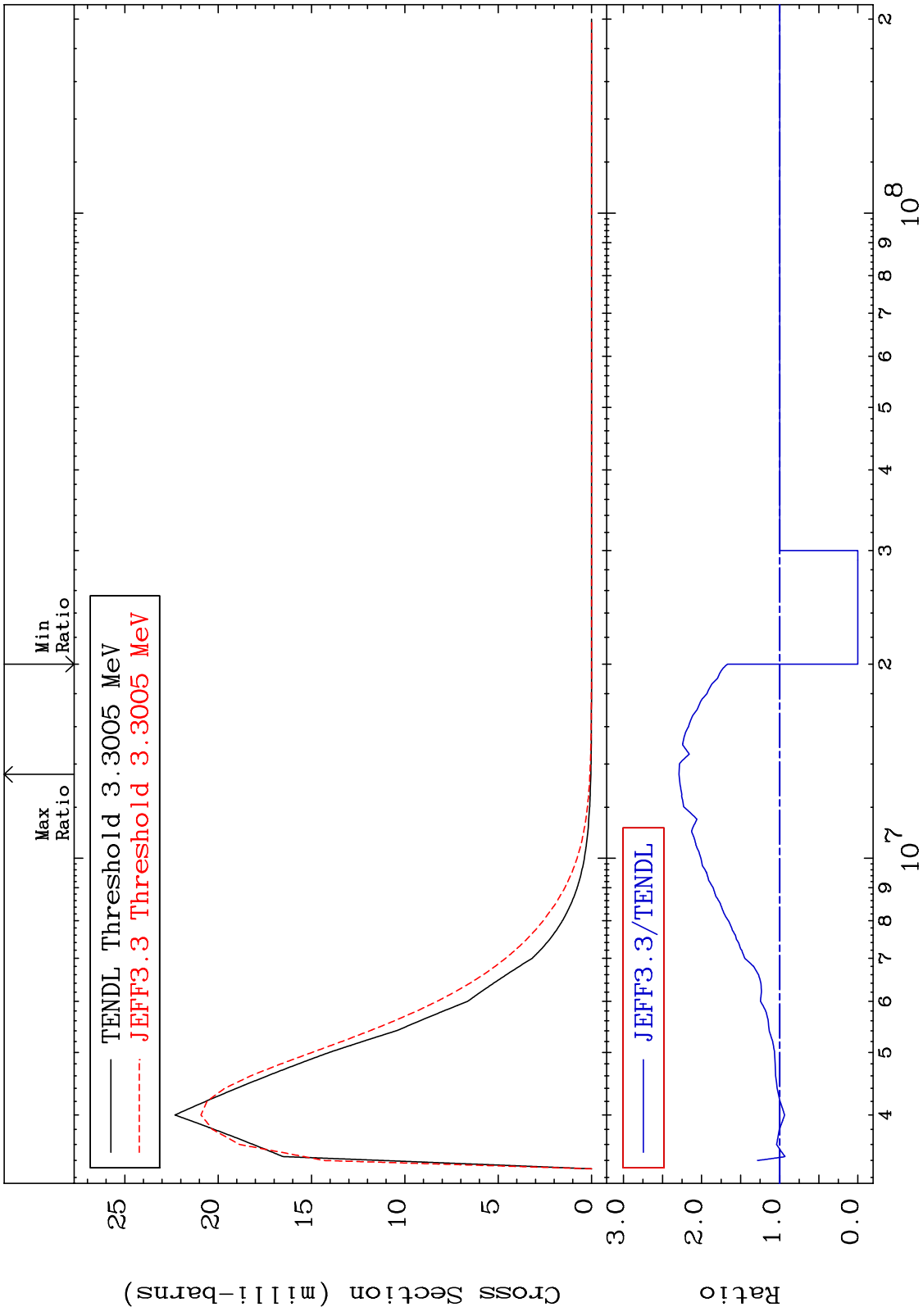
MAT 2637 MT= 62 (n,n') Level Cross Section -100.0 To 217.0 % 26-Fe-58



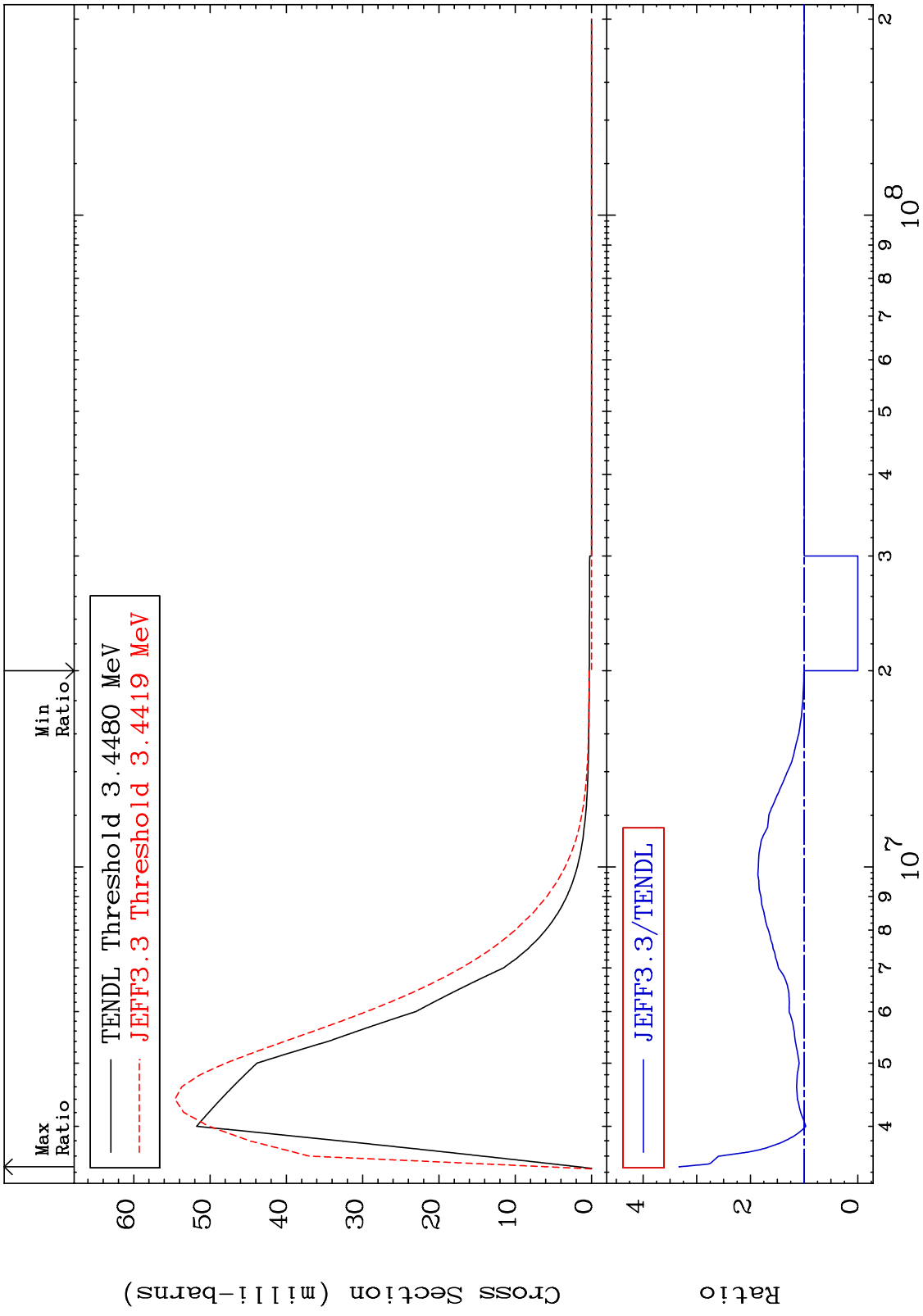
MAT 2637 MT= 63 (n,n') Level Cross Section -100.0 To 86.31 % 26-Fe-58



MAT 2637 MT= 64 (n,n') Level Cross Section -100.0 To 128.8 % 26-Fe-58

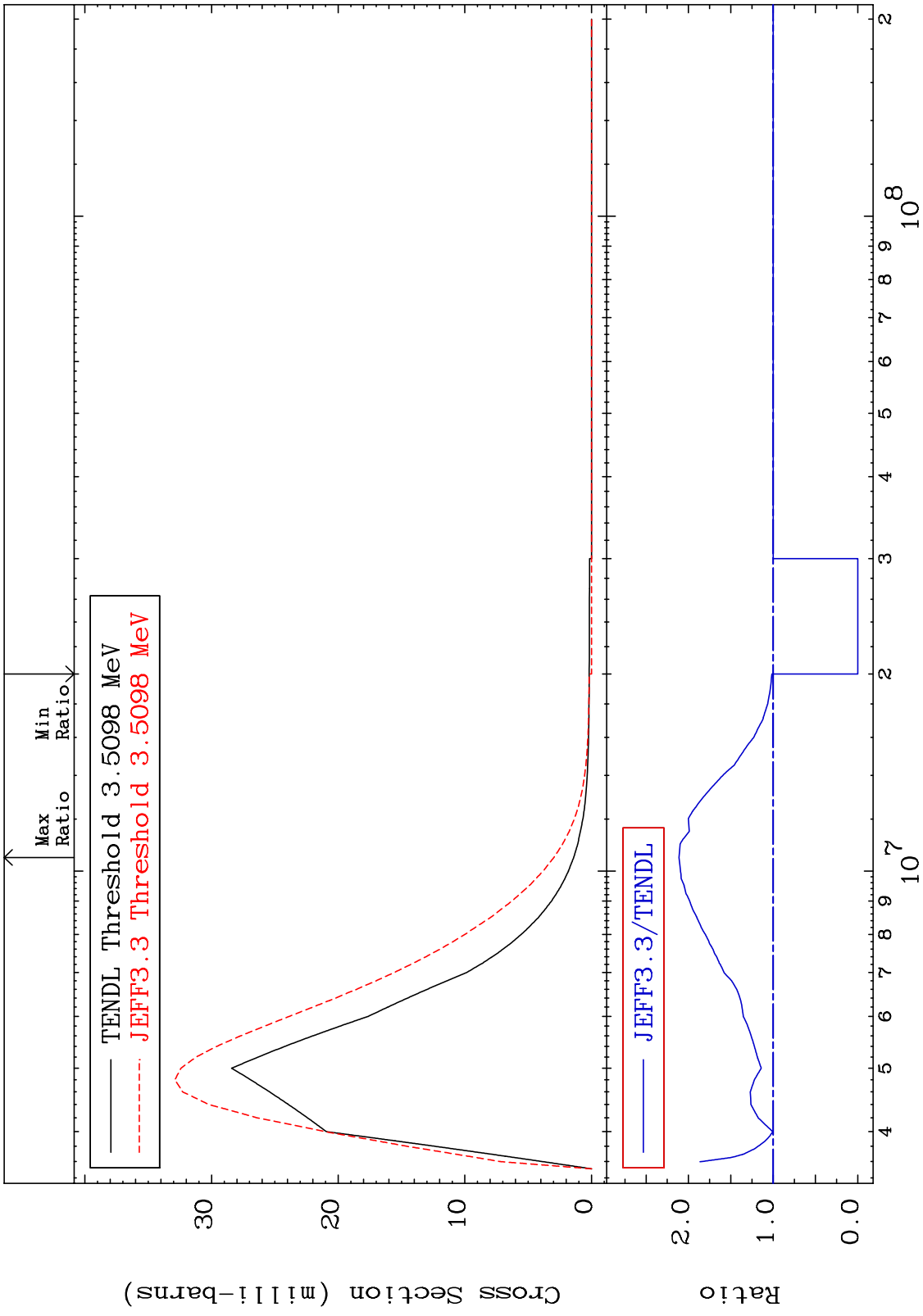


MAT 2637      MT= 65 (n,n') Level Cross Section      26-Fe-58  
 -100.0 To 233.0 %

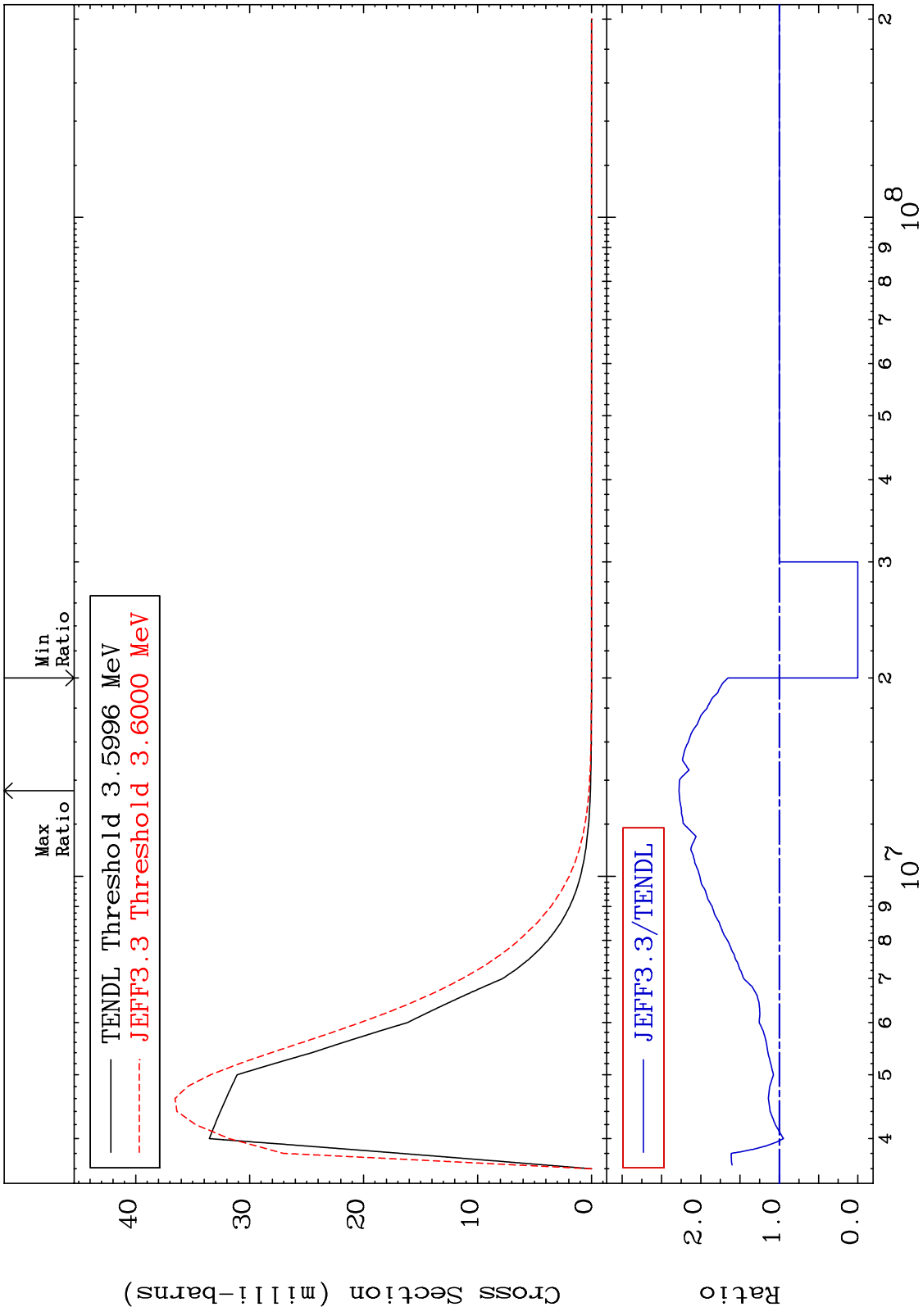




MAT 2637 MT= 66 (n,n') Level Cross Section -100.0 To 111.1 % 26-Fe-58



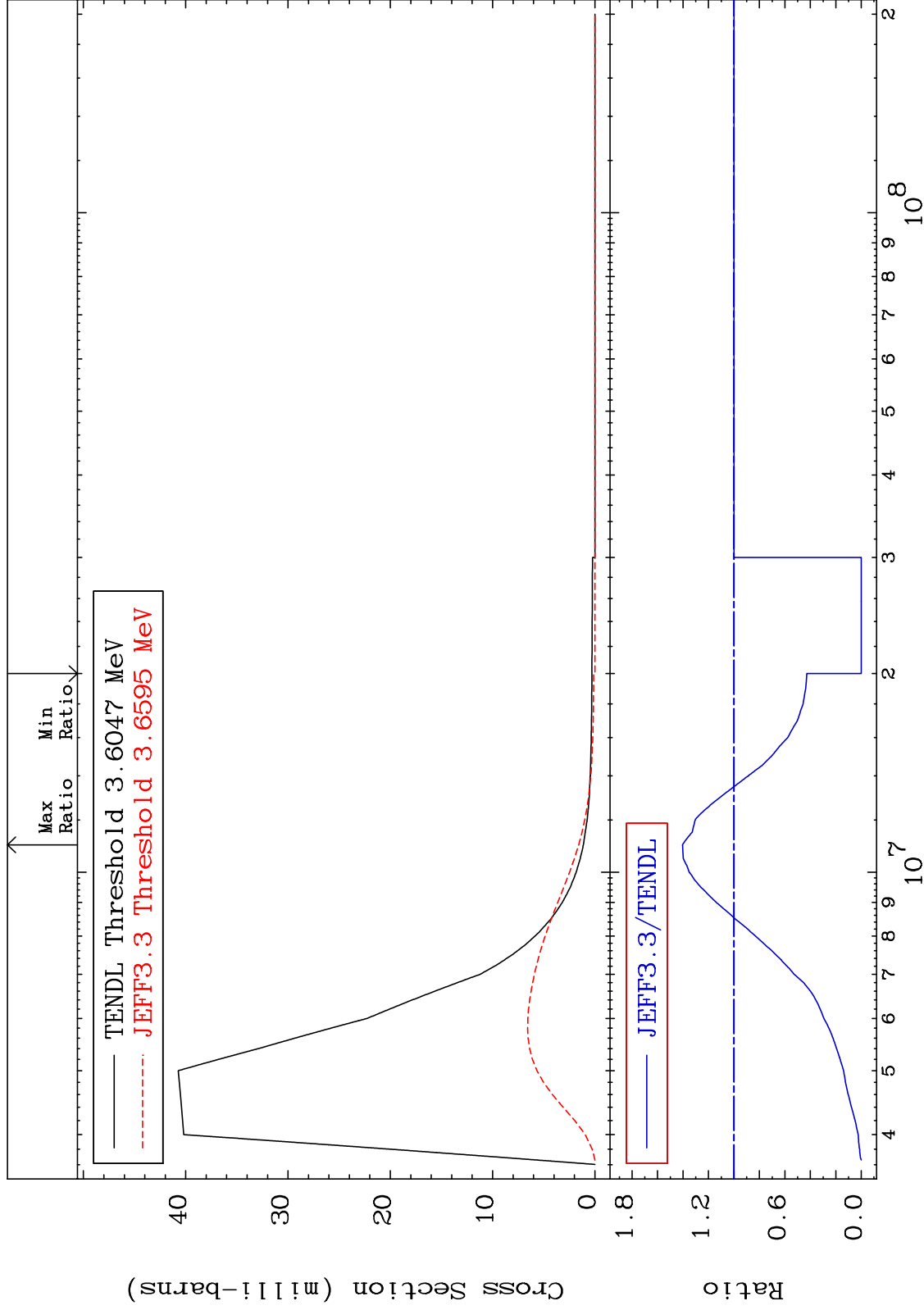
MAT 2637      MT= 67 (n,n') Level Cross Section      26-Fe-58  
 -100.0 To 127.6 %



MAT 2637

MT= 68 (n,n') Level  
Cross Section

26-Fe-58  
-100.0 To 40.46 %

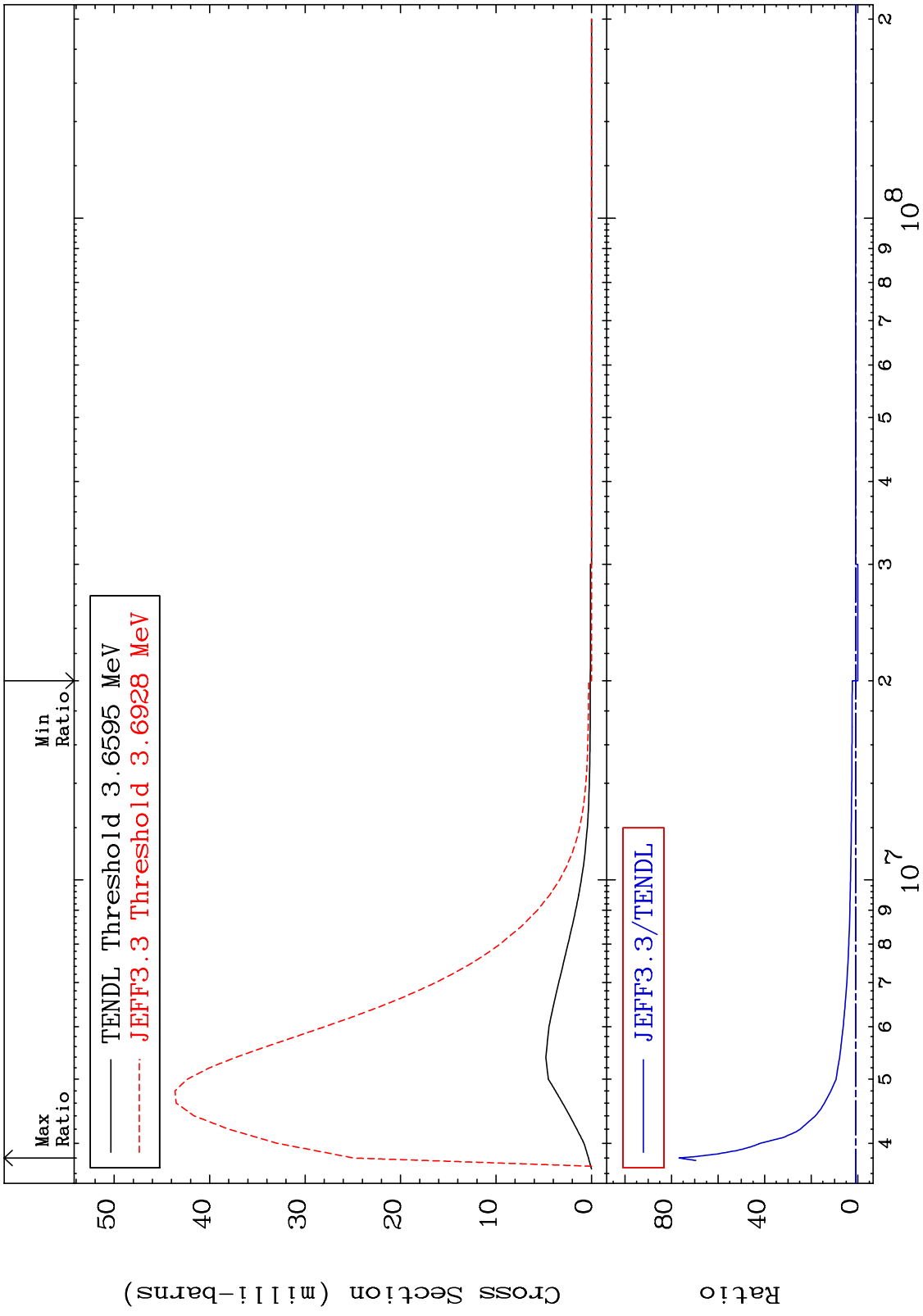


26

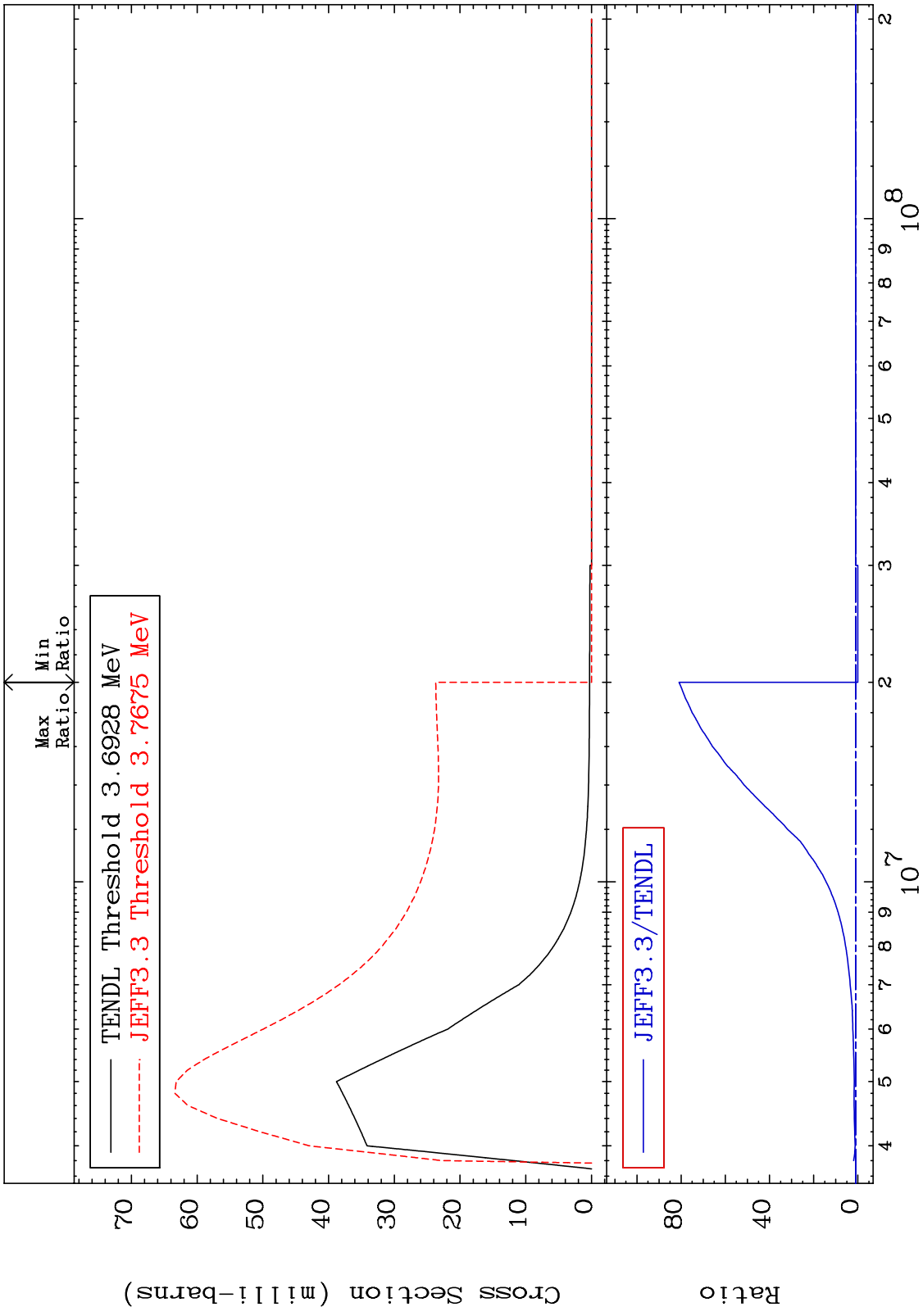
Incident Energy (eV)

26-Fe-58

MAT 2637 MT= 69 (n,n') Level Cross Section -100.0 To 7576. % 26-Fe-58

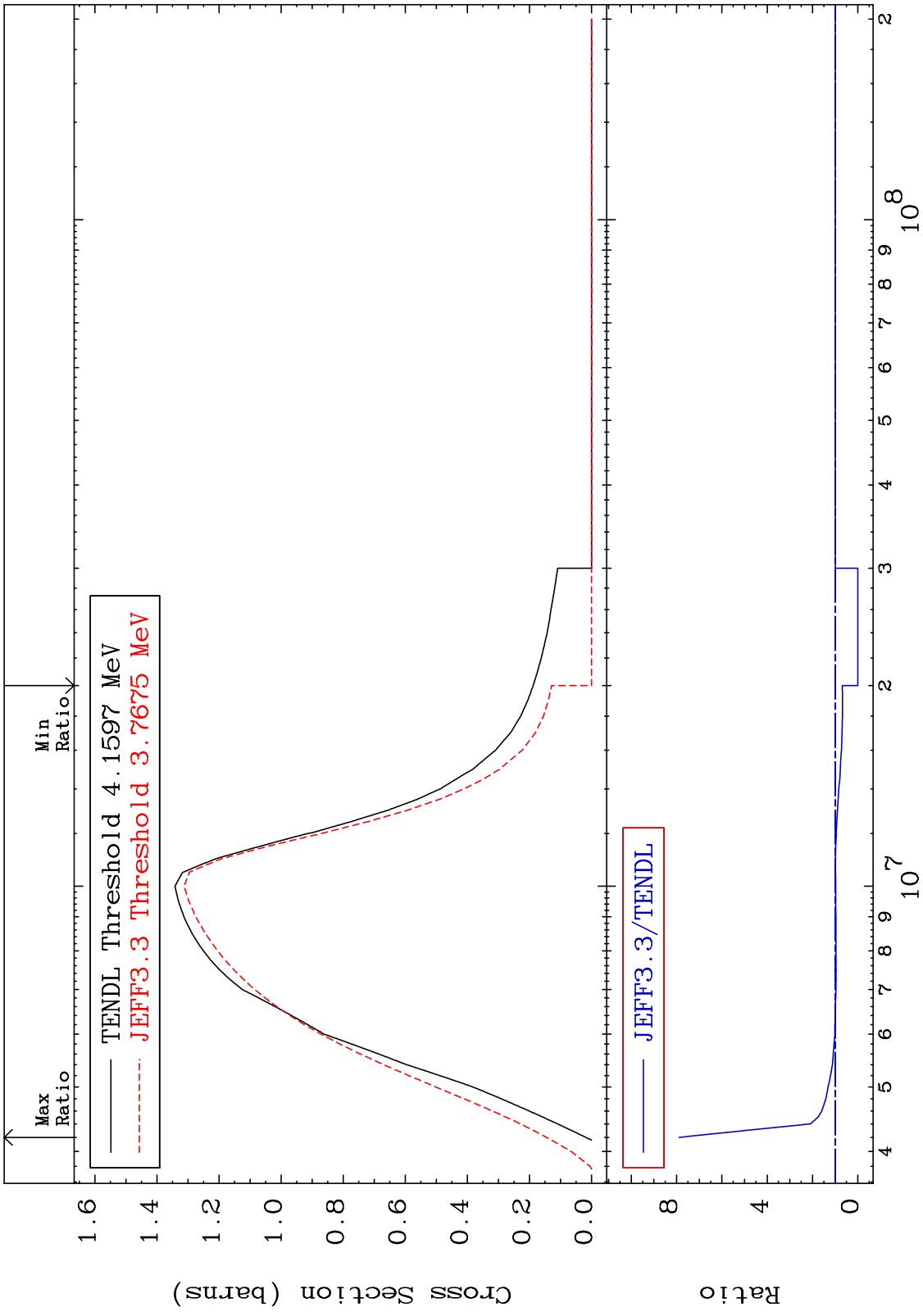


MAT 2637 MT= 70 (n,n') Level Cross Section -100.0 To 7994. % 26-Fe-58



28 Incident Energy (eV) 26-Fe-58

MAT 2637 (n,n') Continuum Cross Section -100.0 To 689.2 % 26-Fe-58



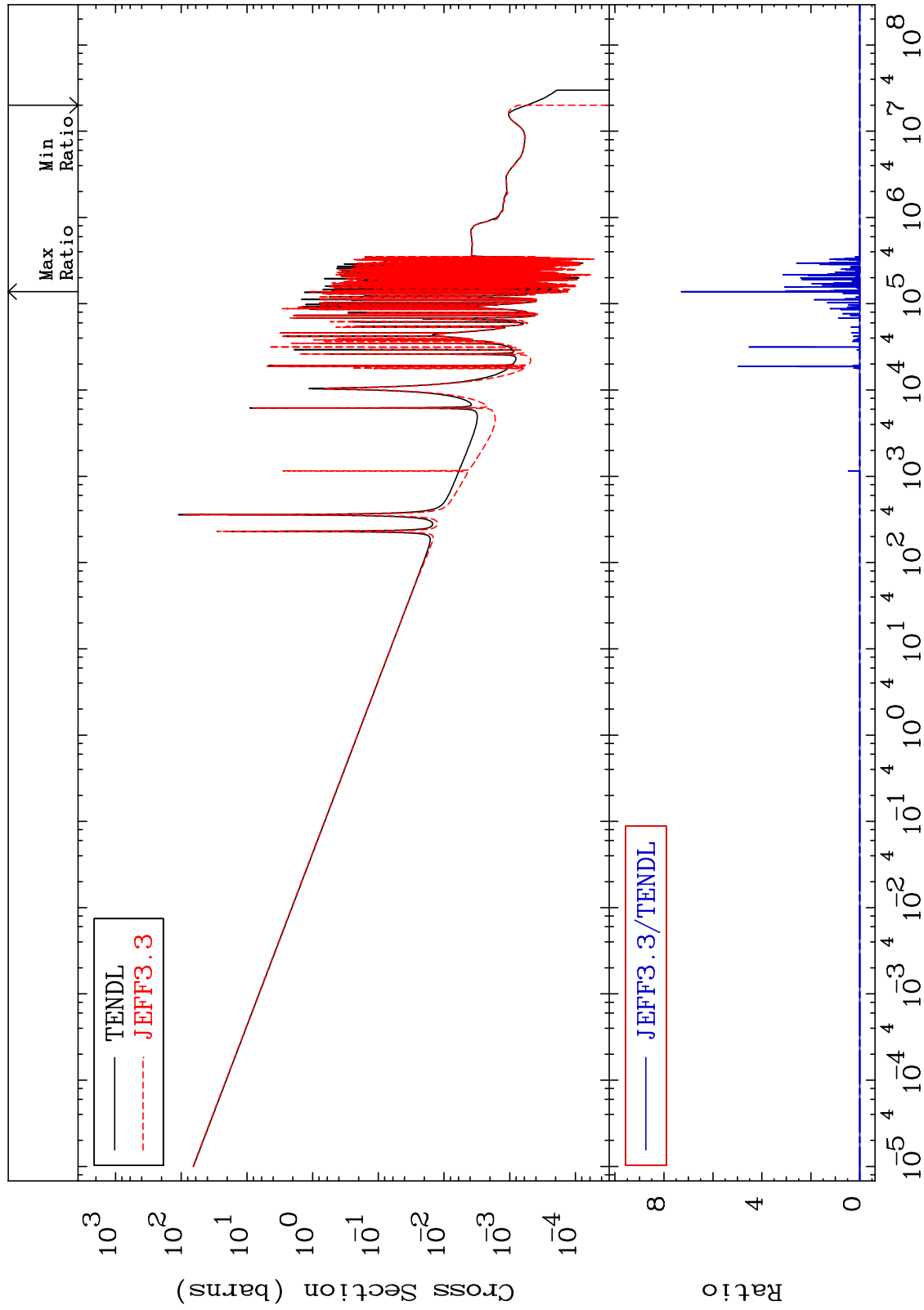
MAT 2637

(n,  $\gamma$ )

26-Fe-58

Cross Section

-100.0 To 9999. %

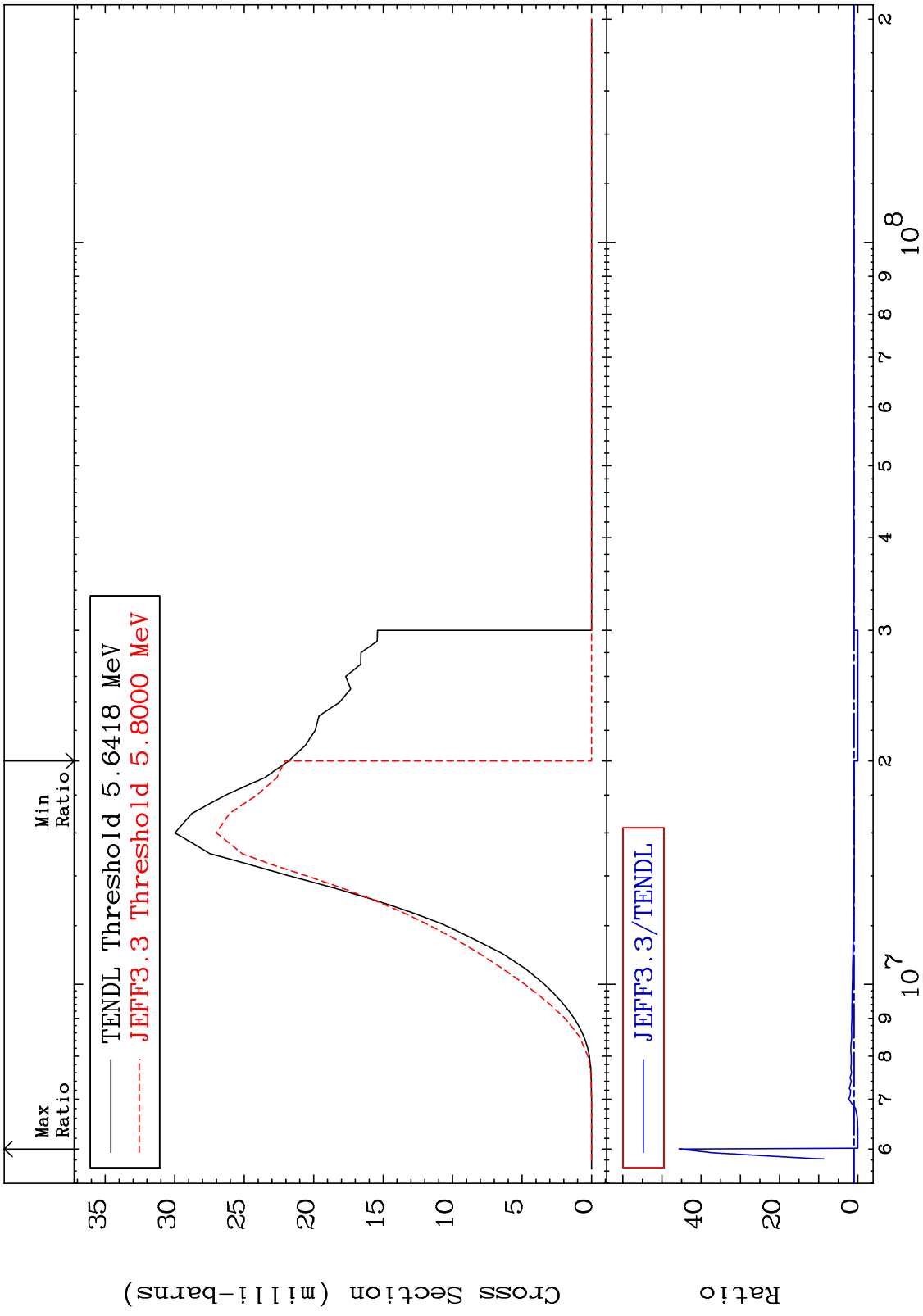


30

Incident Energy (eV)

26-Fe-58

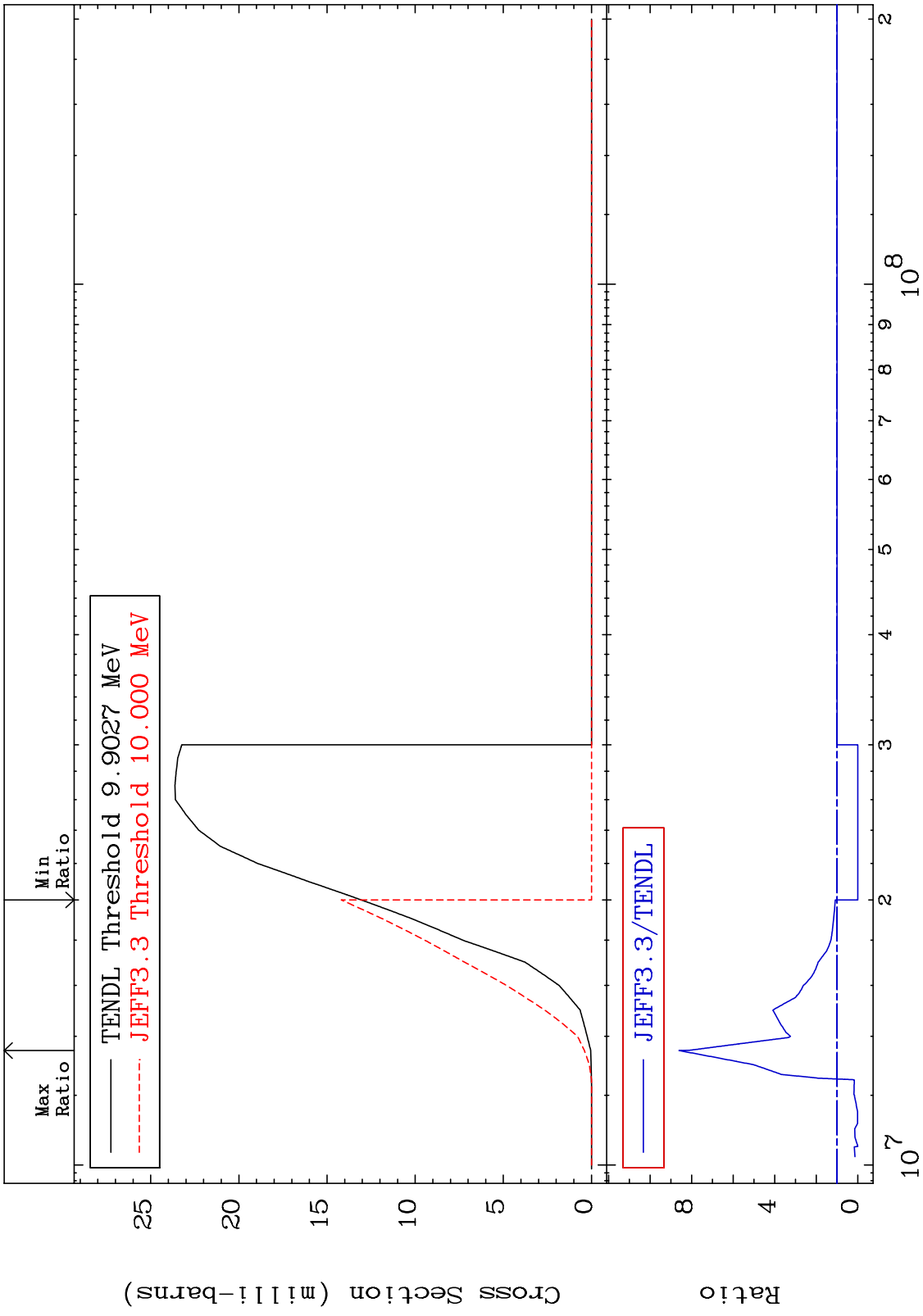
MAT 2637 (n,p) Cross Section 26-Fe-58 -100.0 To 4464. %



31 26-Fe-58

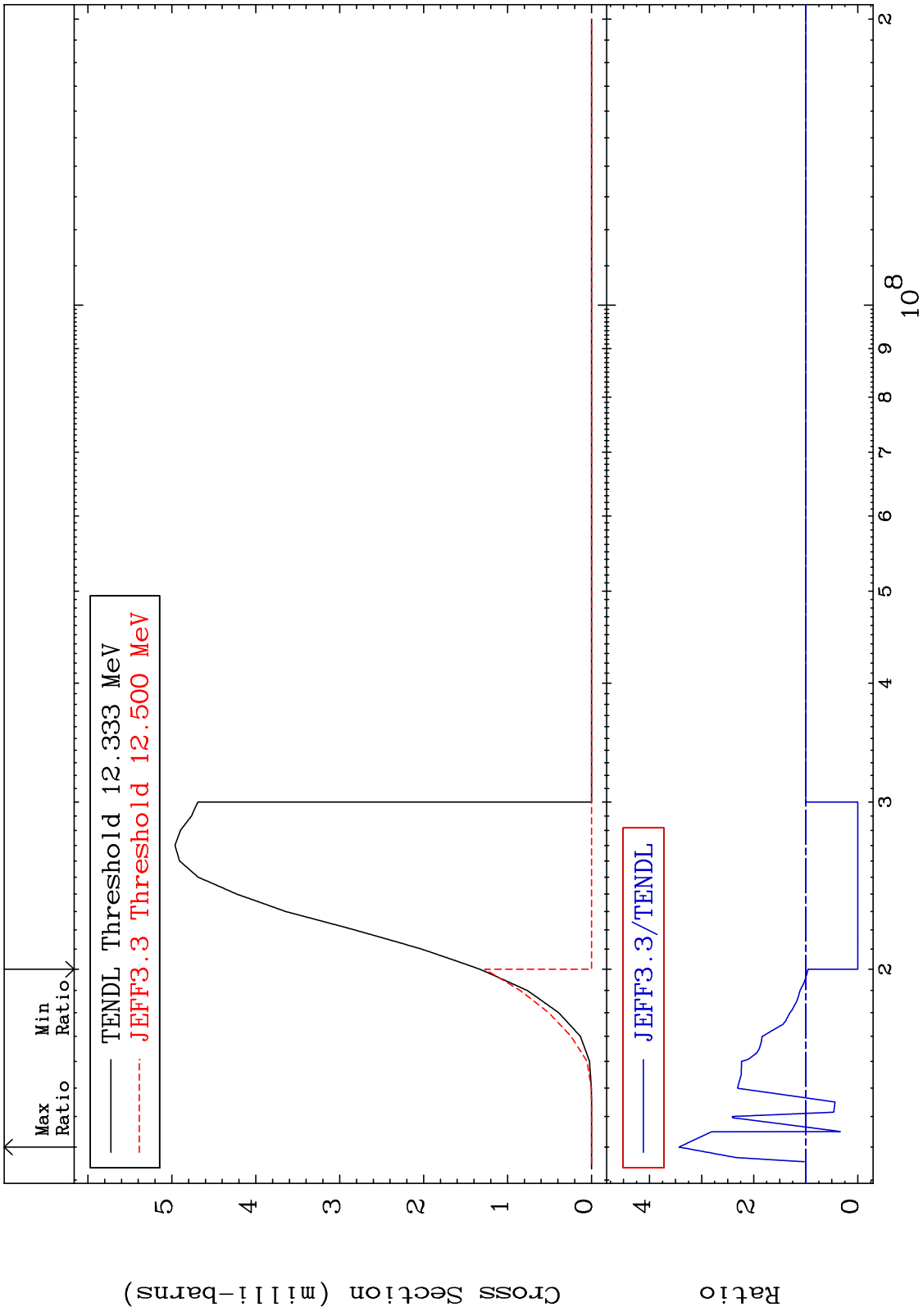


MAT 2637 (n,d) Cross Section <sup>26</sup>Fe-58 -100.0 To 761.2 %

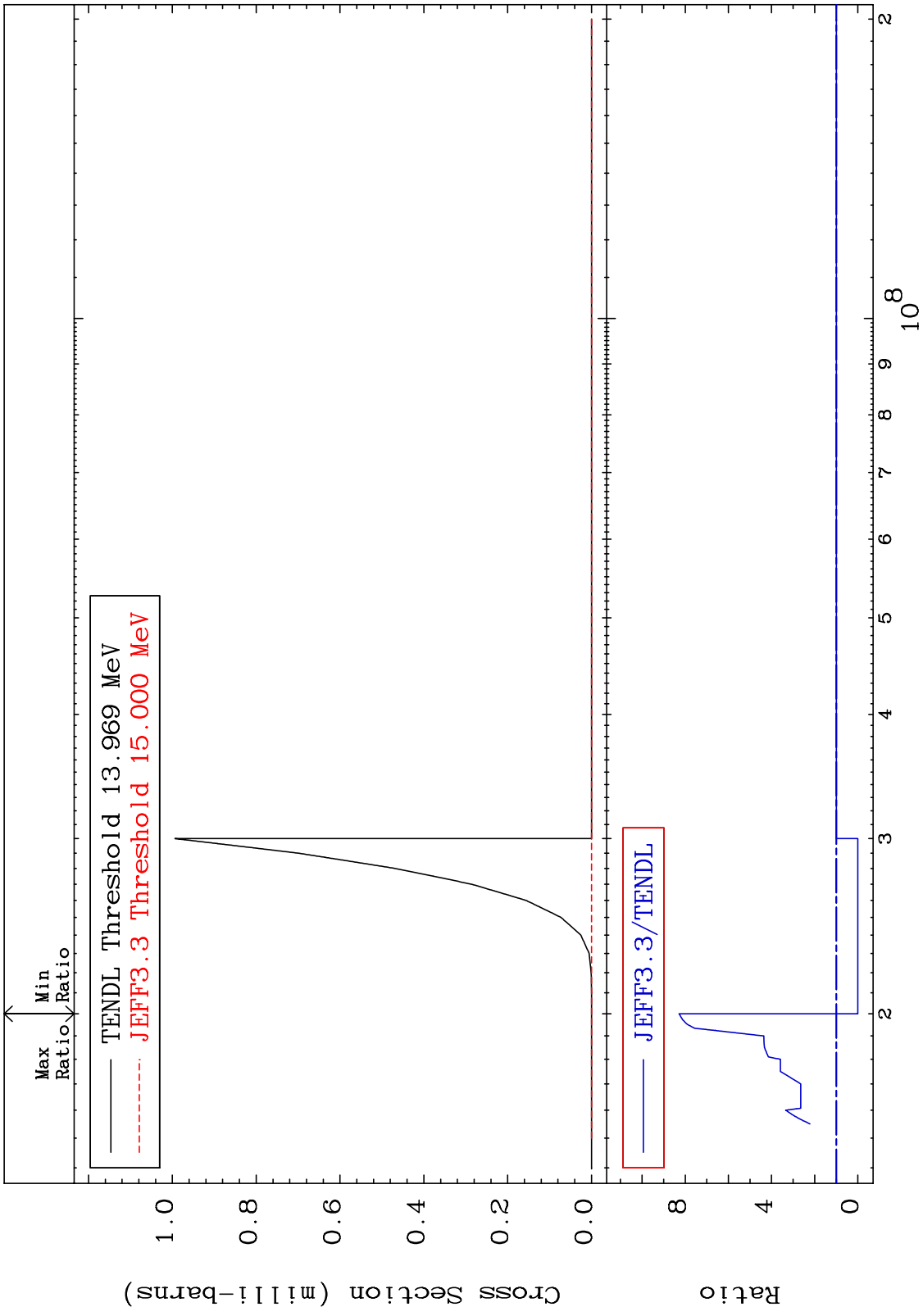


32 Incident Energy (eV) <sup>26</sup>Fe-58

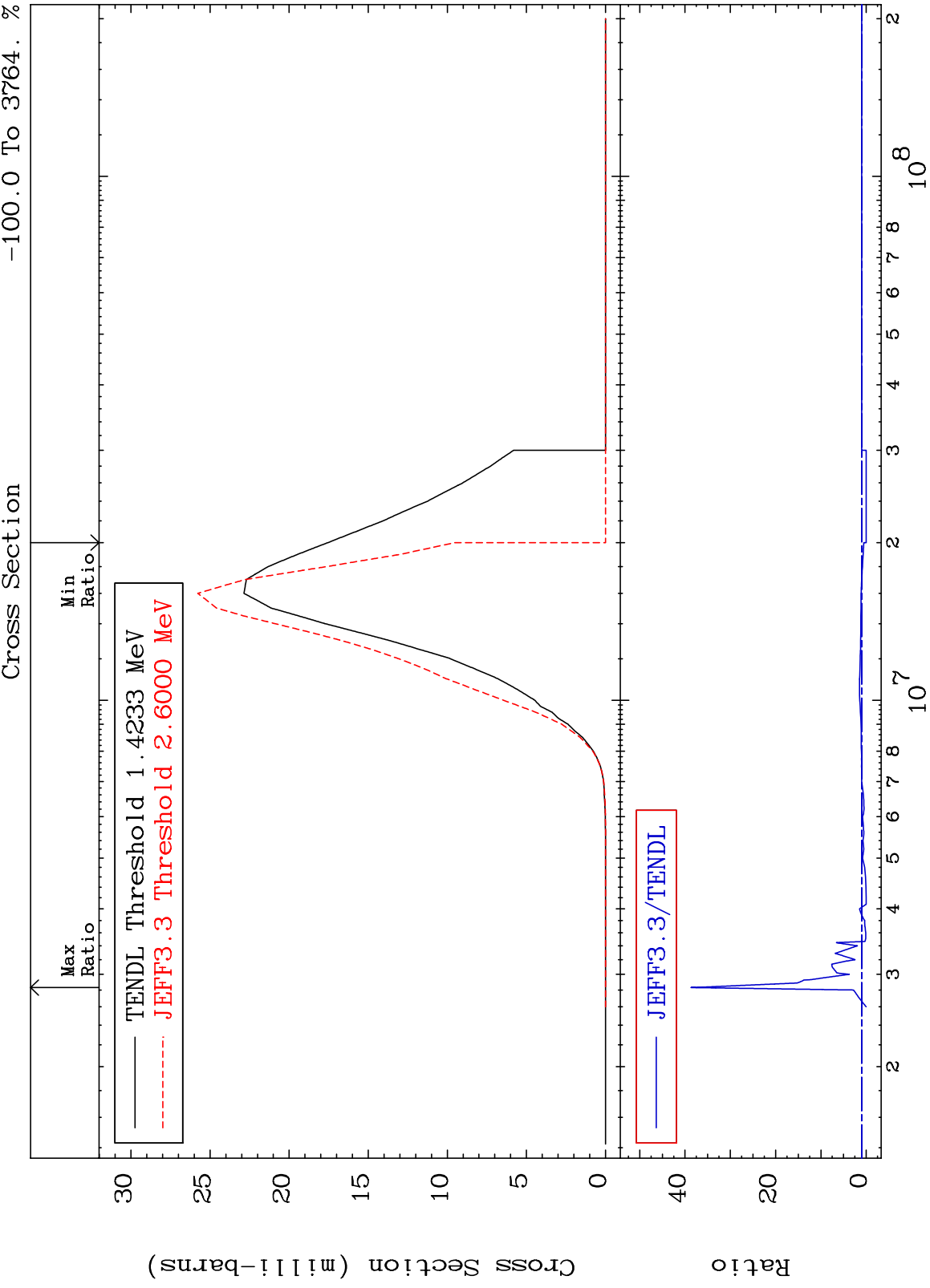
MAT 2637 (n,t) 26-Fe-58  
 Cross Section -100.0 To 243.3 %



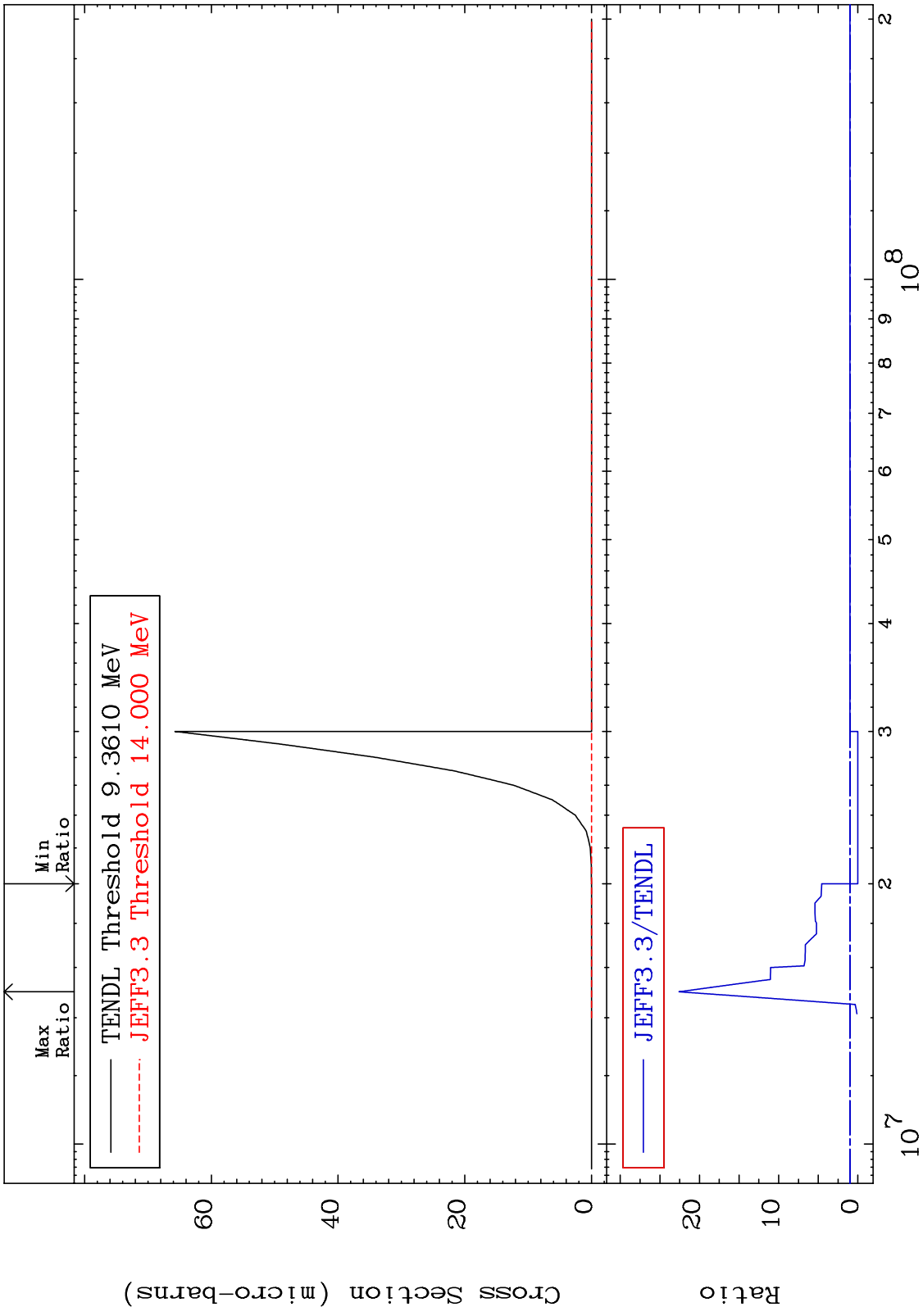
26-Fe-58



MAT 2637 (n,  $\alpha$ ) 26-Fe-58 -100.0 To 3764. %



MAT 2637  $(n, 2\alpha)$  26-Fe-58  
 Cross Section -100.0 To 2158. %

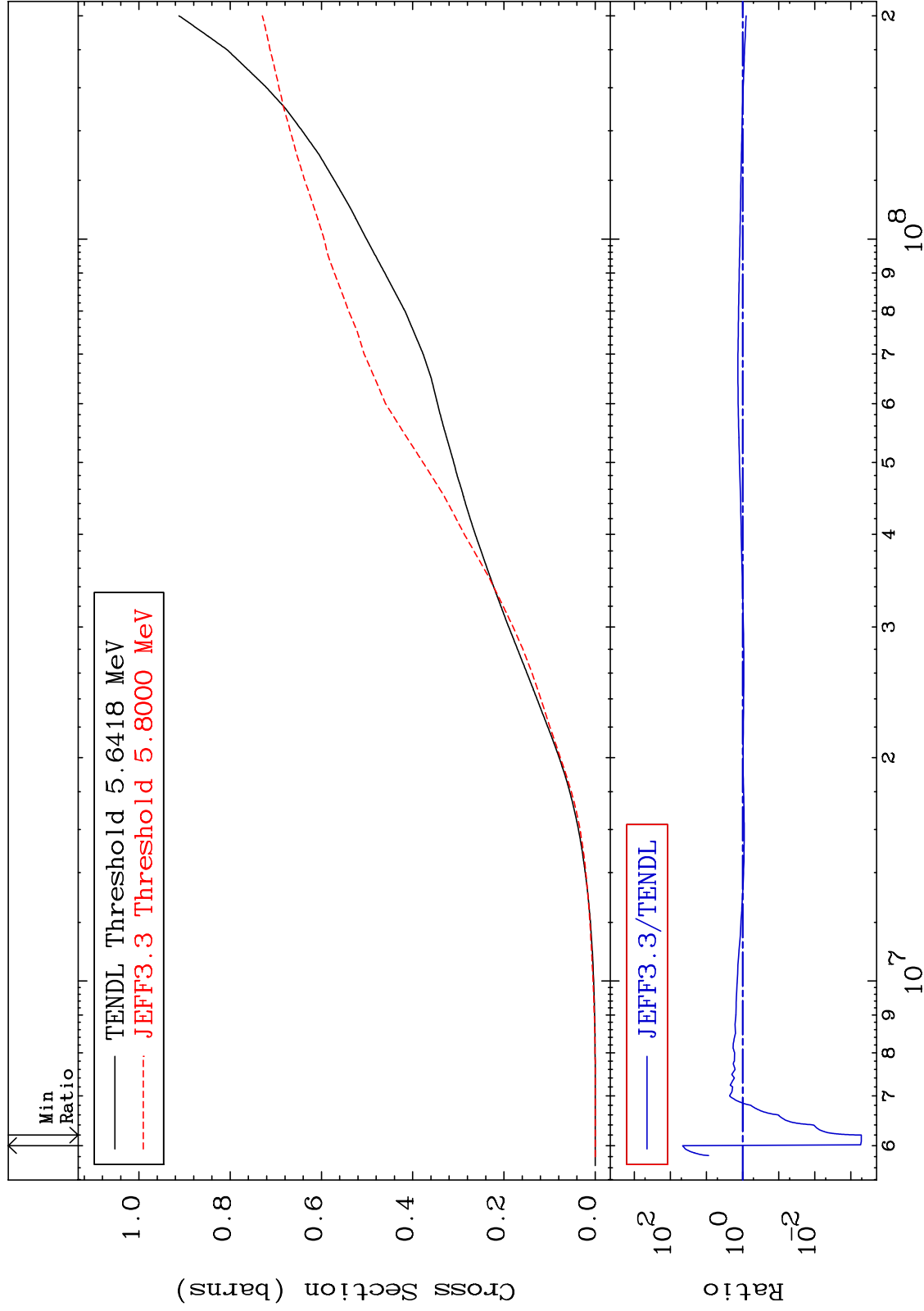


36 26-Fe-58

MAT 2637

Hydrogen Production  
Cross Section

26-Fe-58  
-99.95 To 4464. %



37

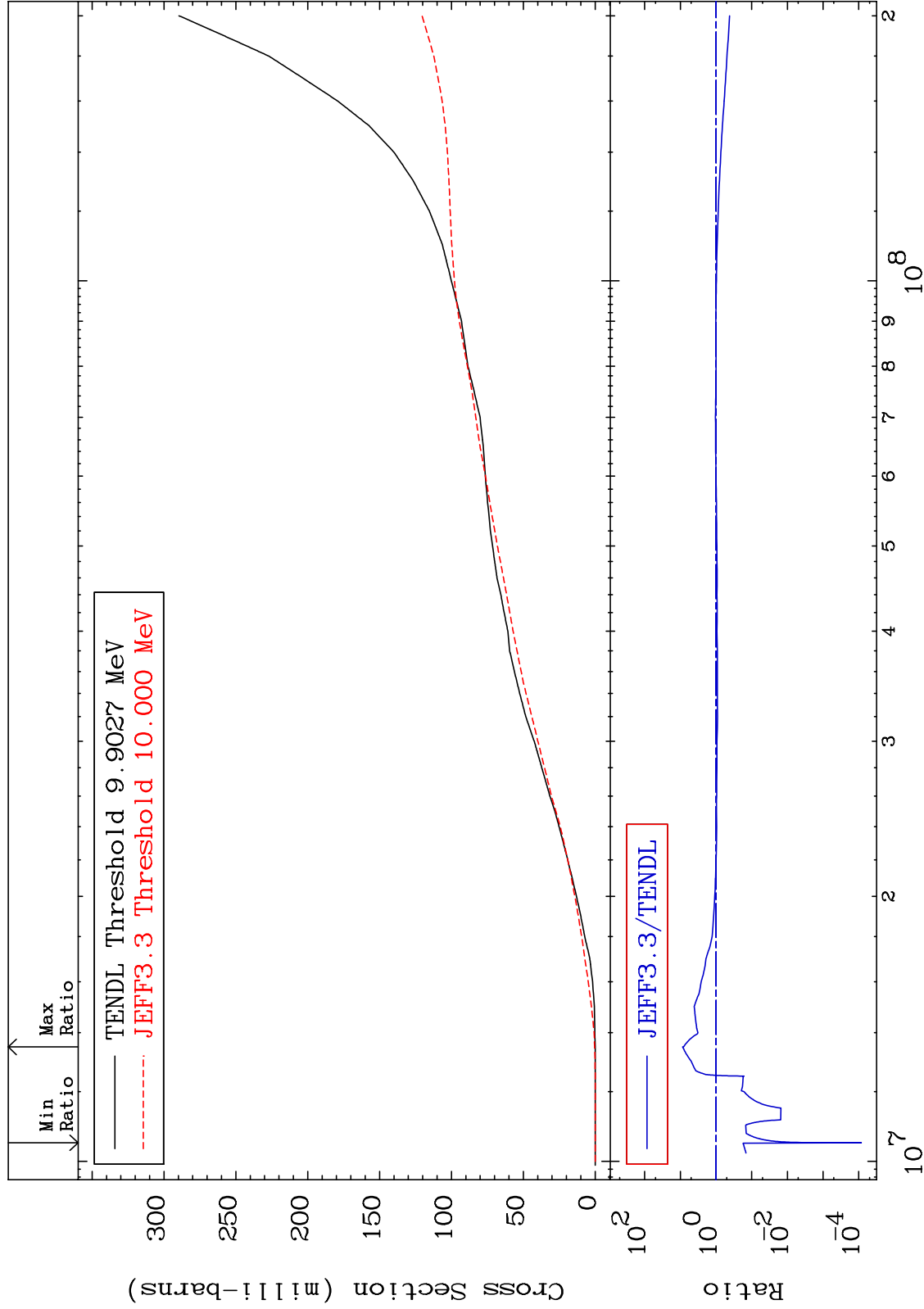
Incident Energy (eV)

26-Fe-58

MAT 2637

Deuterium Production  
Cross Section

<sup>26</sup>Fe-58  
-99.99 To 761.2 %



38

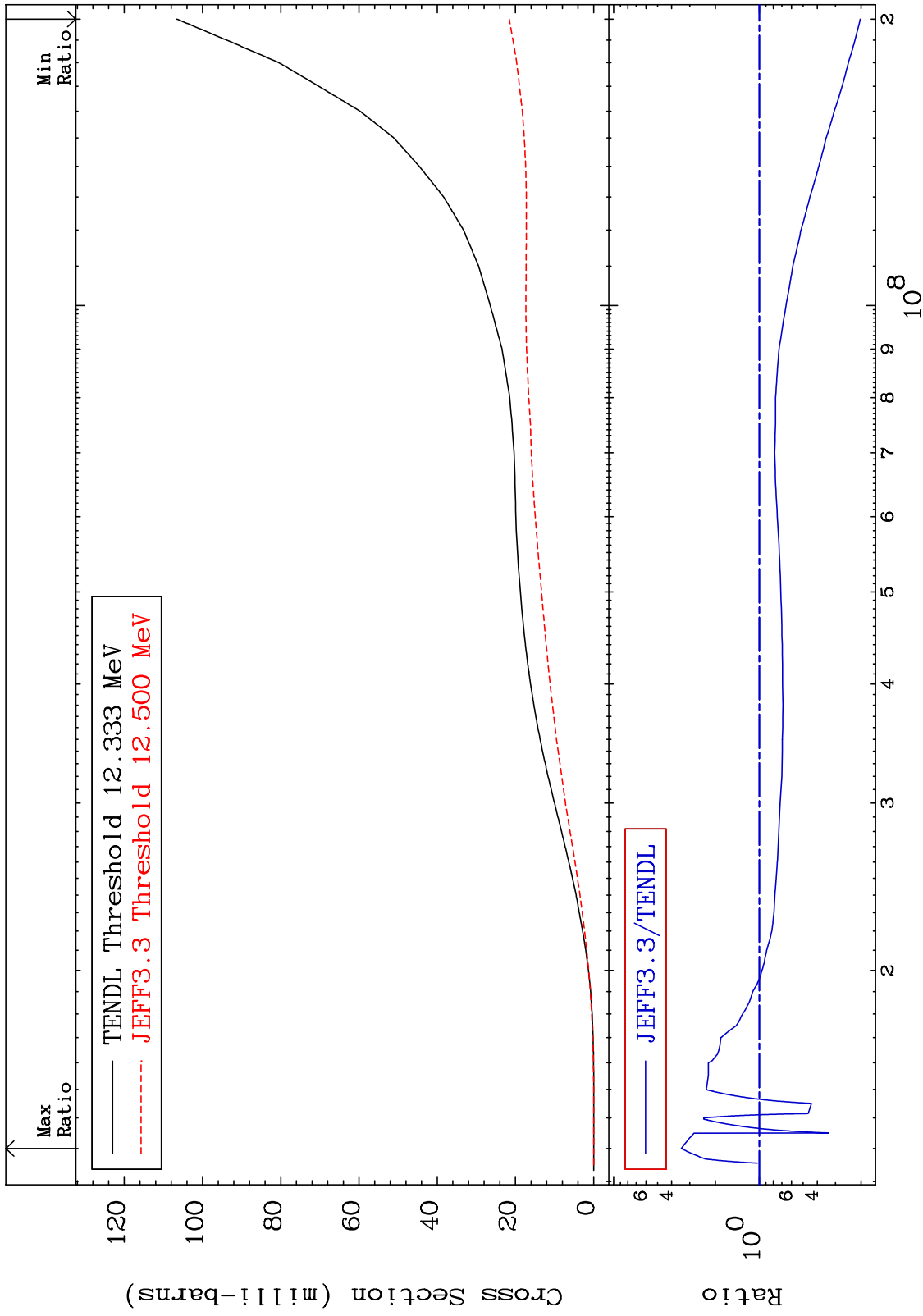
Incident Energy (eV)

<sup>26</sup>Fe-58

MAT 2637

Tritium Production  
Cross Section

<sup>26</sup>Fe-58  
-79.75 To 243.3 %

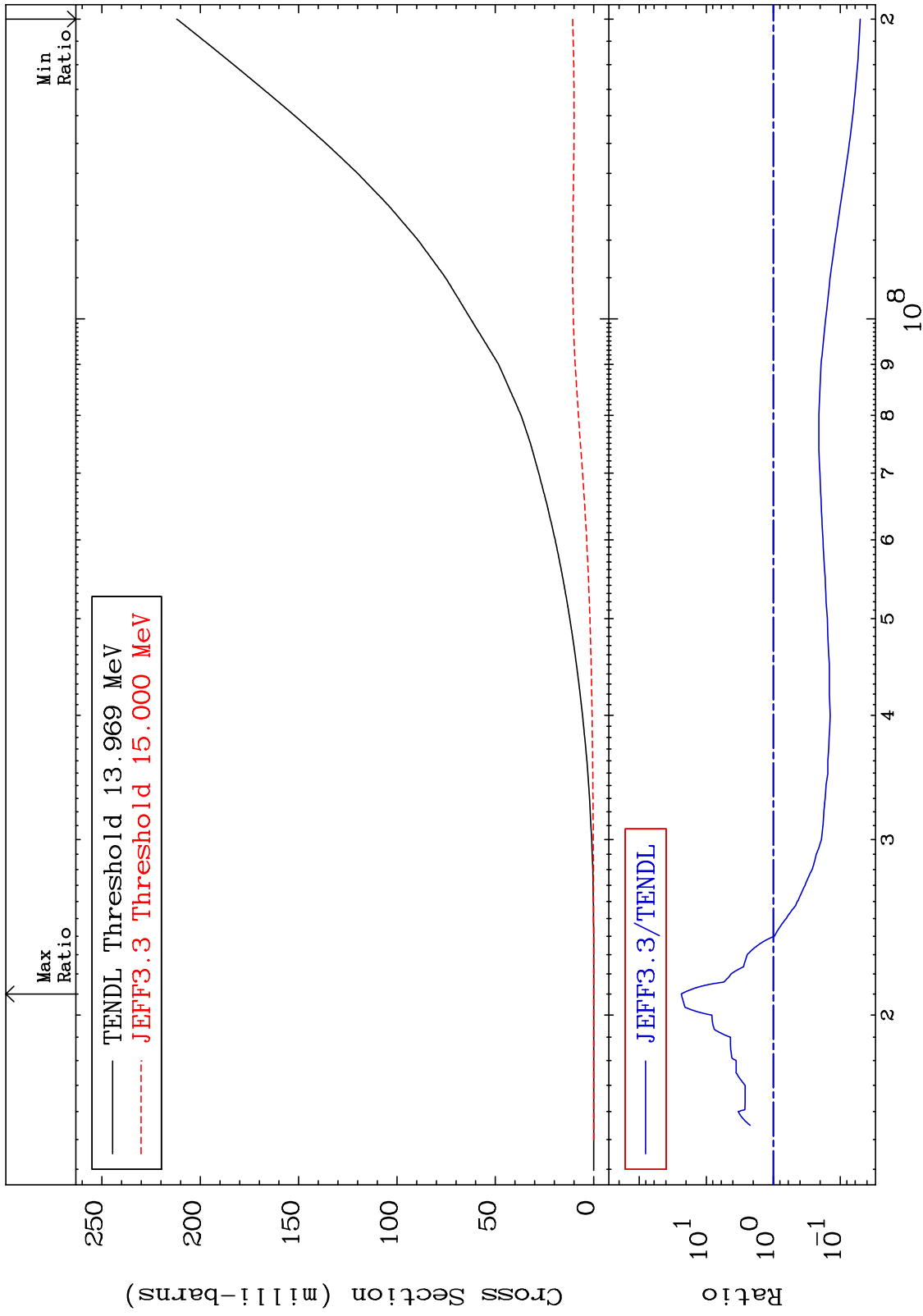




MAT 2637

He-3 Production  
Cross Section

26-Fe-58  
-94.95 To 2260. %



40

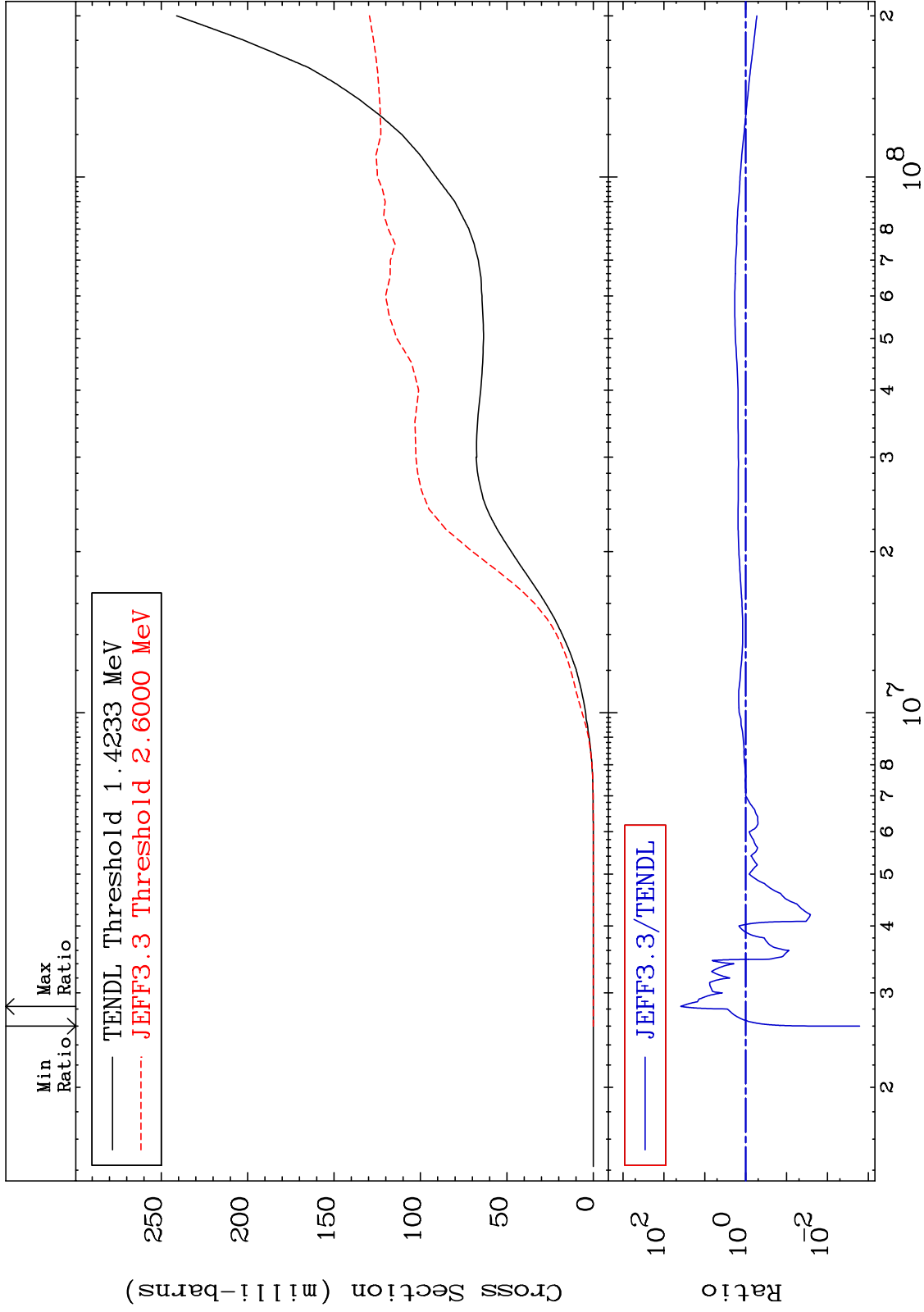
Incident Energy (eV)

26-Fe-58

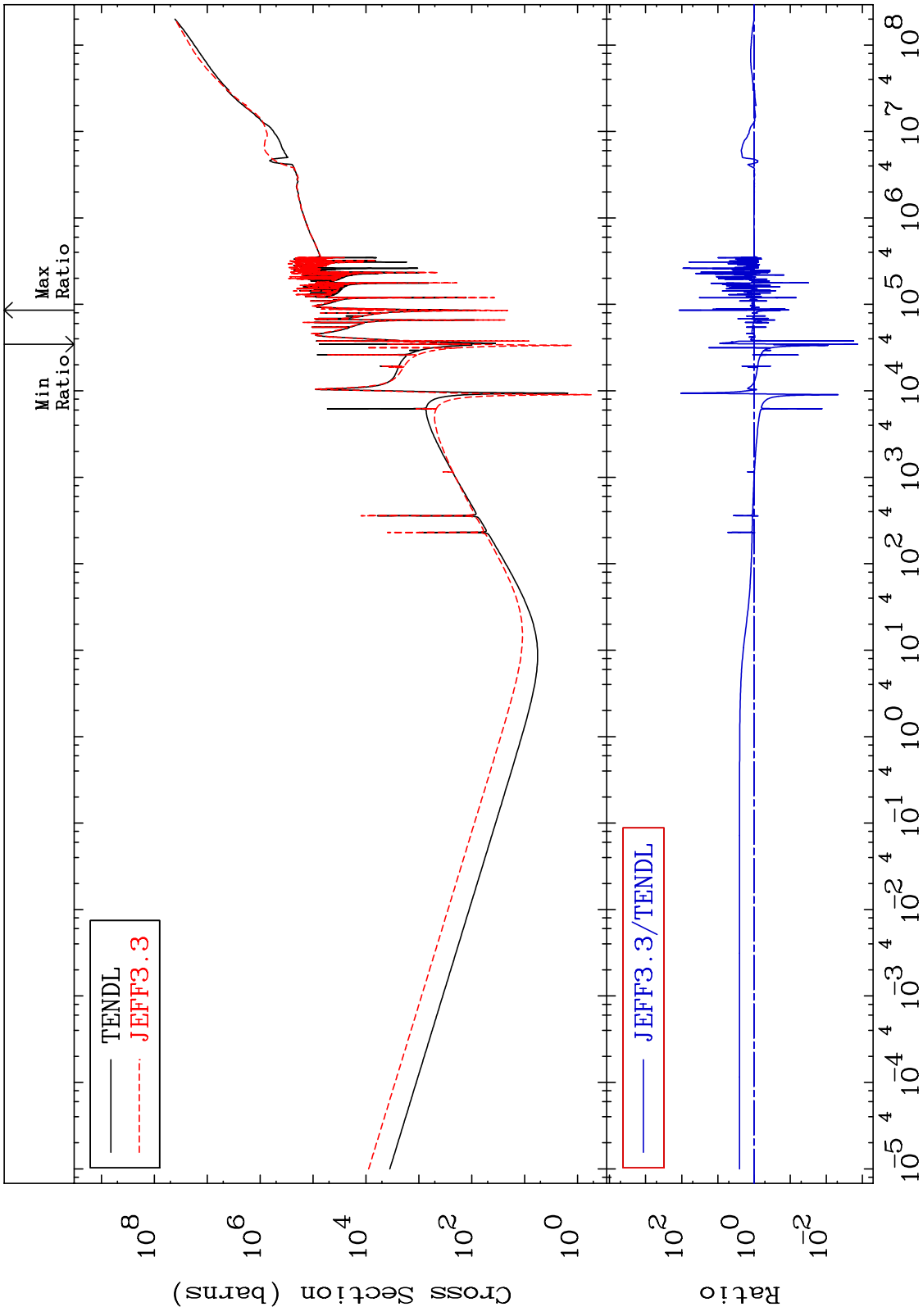
MAT 2637

He-4 Production  
Cross Section

<sup>26</sup>Fe-58  
-99.84 To 3764. %



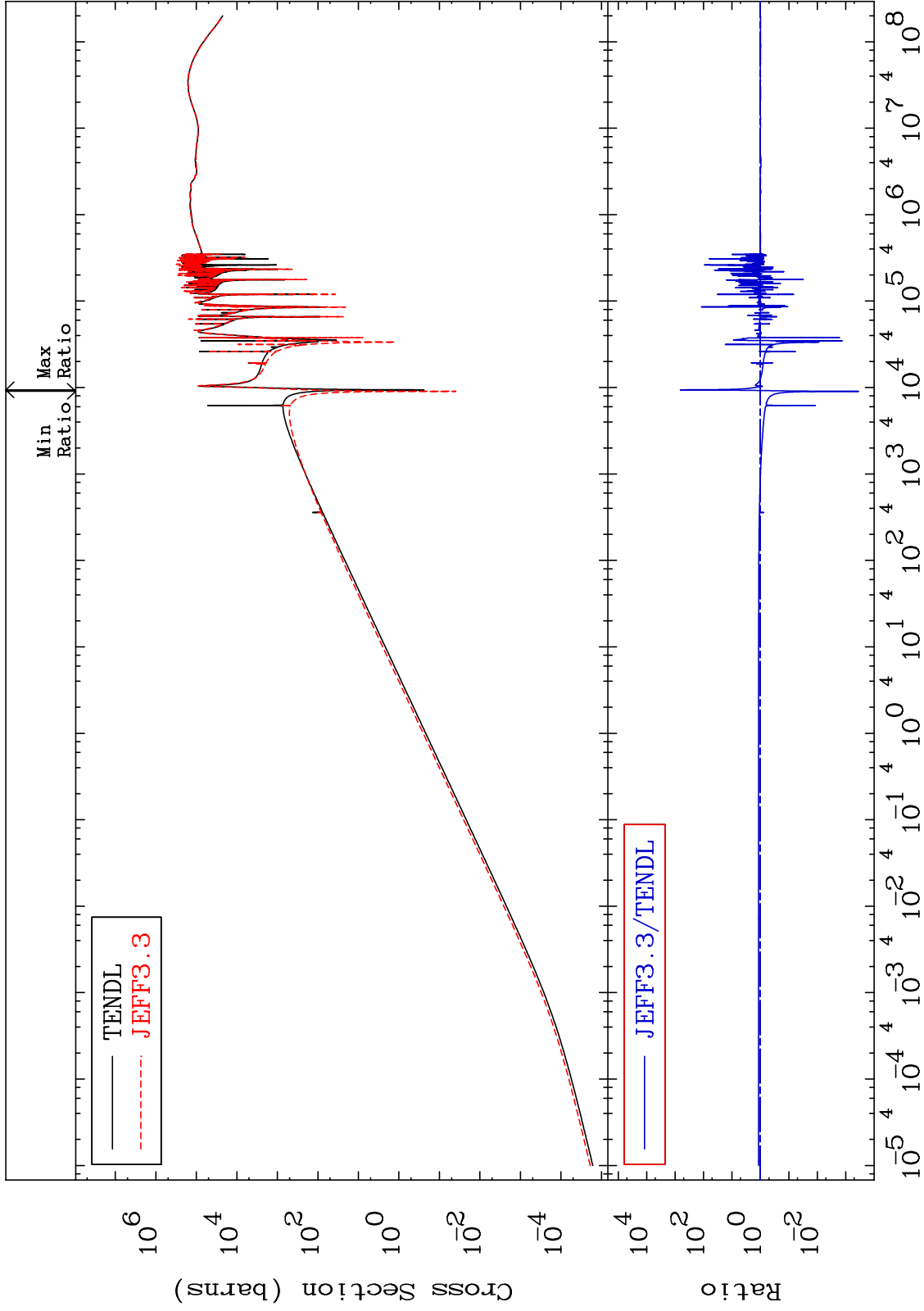
MAT 2637 Kerma total (eV-barns) Cross Section 26-Fe-58  
 -99.87 To 9999. %



MAT 2637

Kerma elastic  
Cross Section

26-Fe-58  
-99.97 To 9999. %



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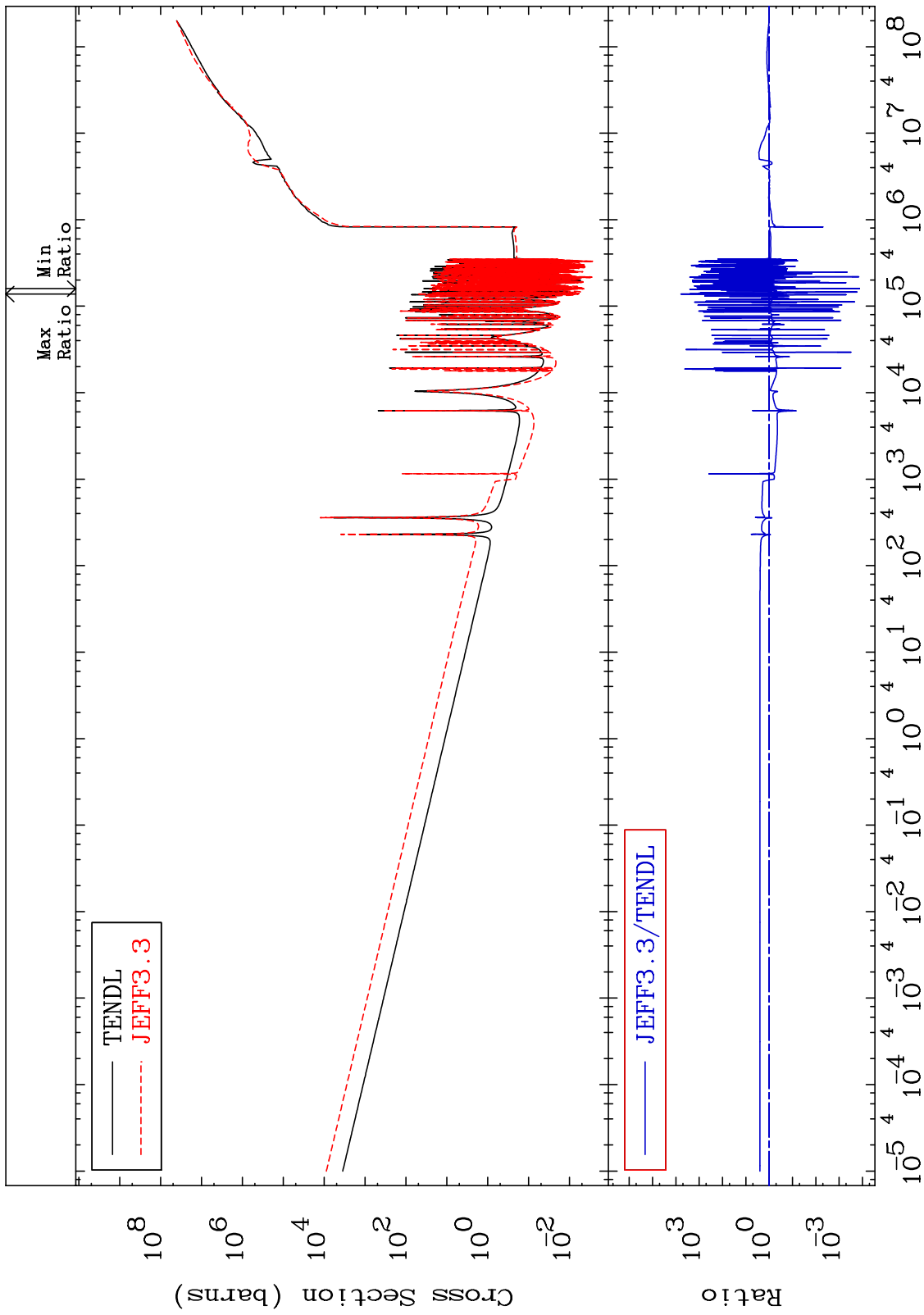
Incident Energy (eV)

26-Fe-58

MAT 2637

Kerma non-elastic (all but mt2)  
Cross Section

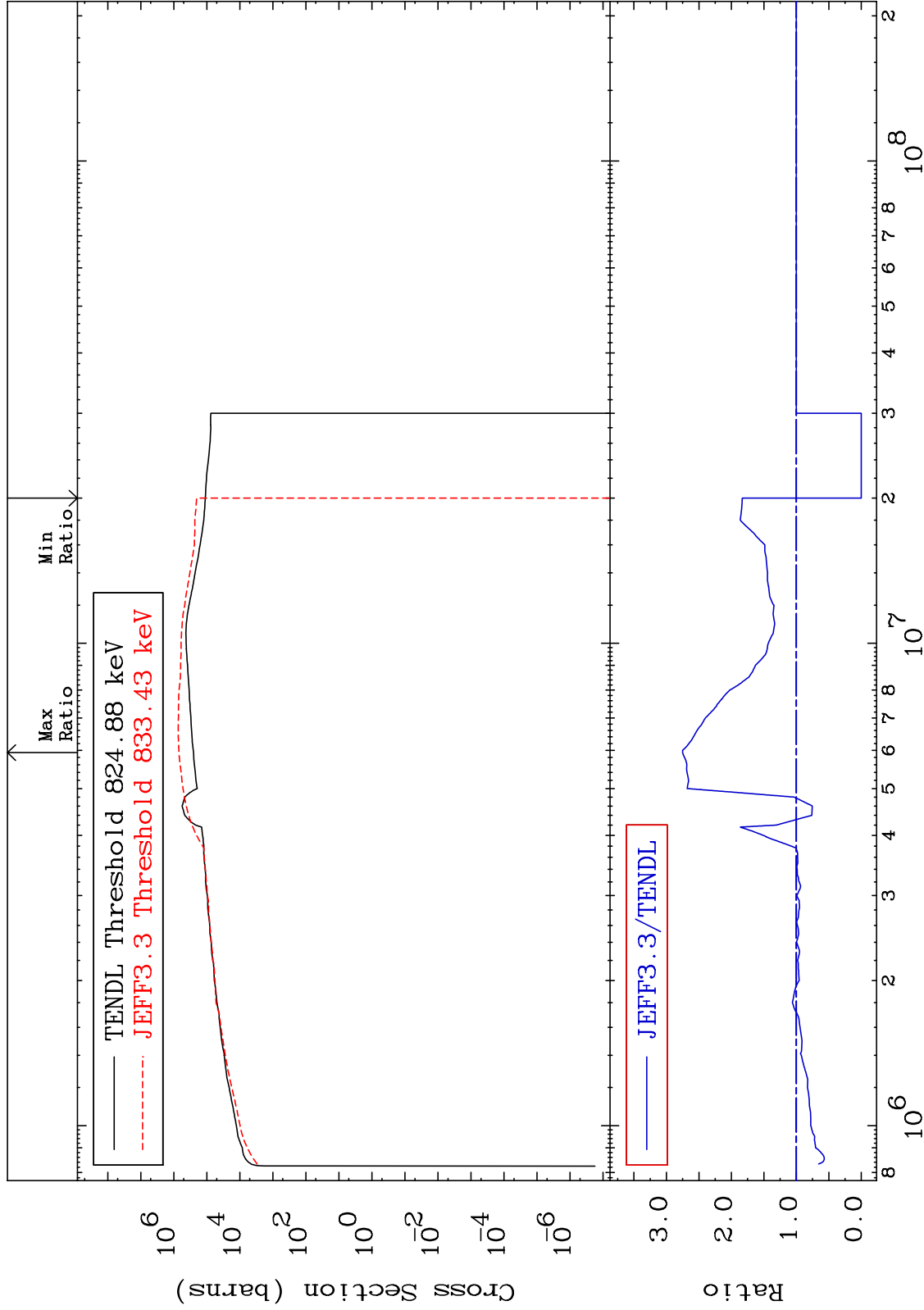
26-Fe-58  
-99.99 To 9999. %



MAT 2637

Kerma inelastic (mt51-91)  
Cross Section

26-Fe-58  
-100.0 To 175.3 %



45

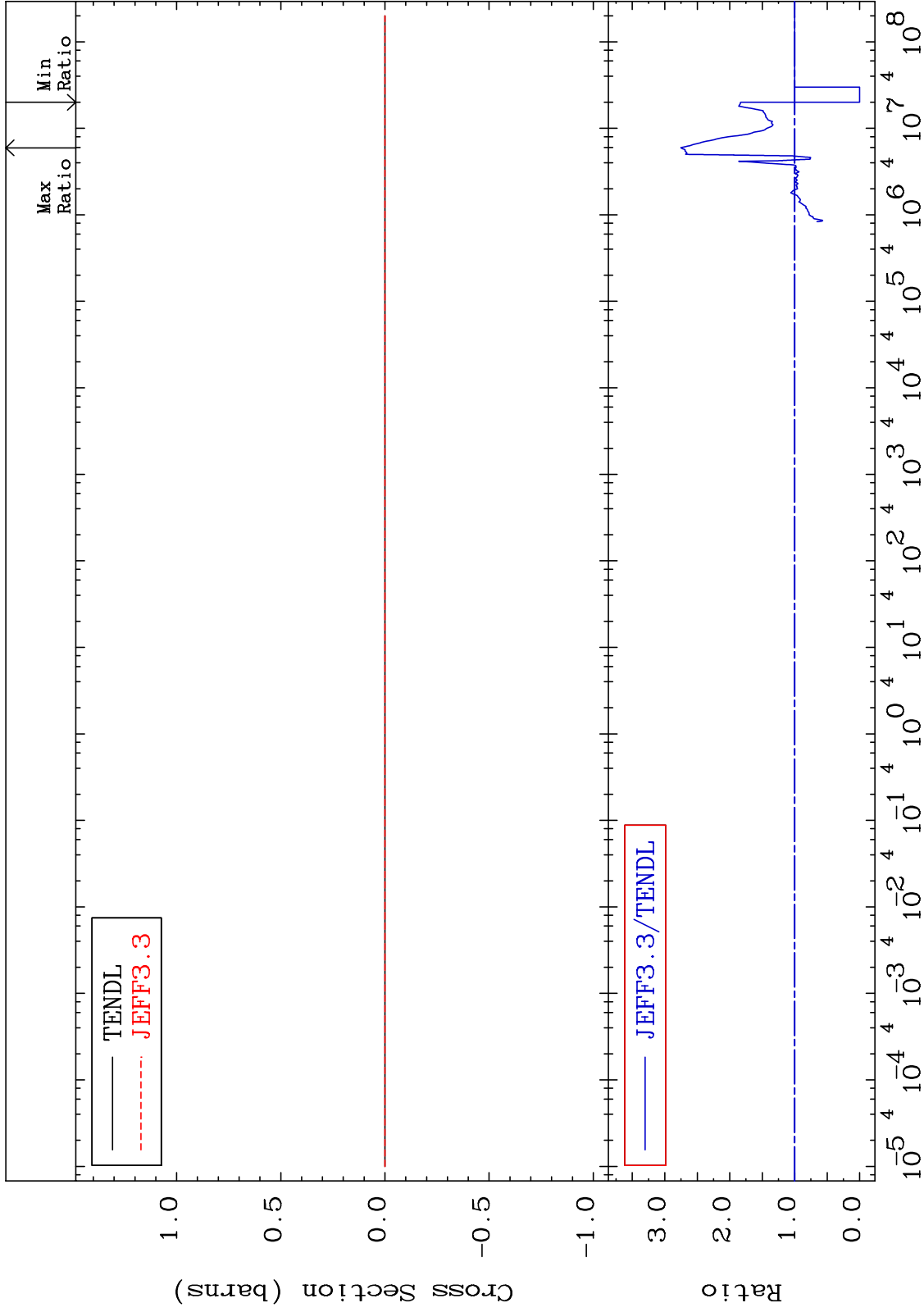
Incident Energy (eV)

26-Fe-58

MAT 2637

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

26-Fe-58  
-100.0 To 175.3 %



46

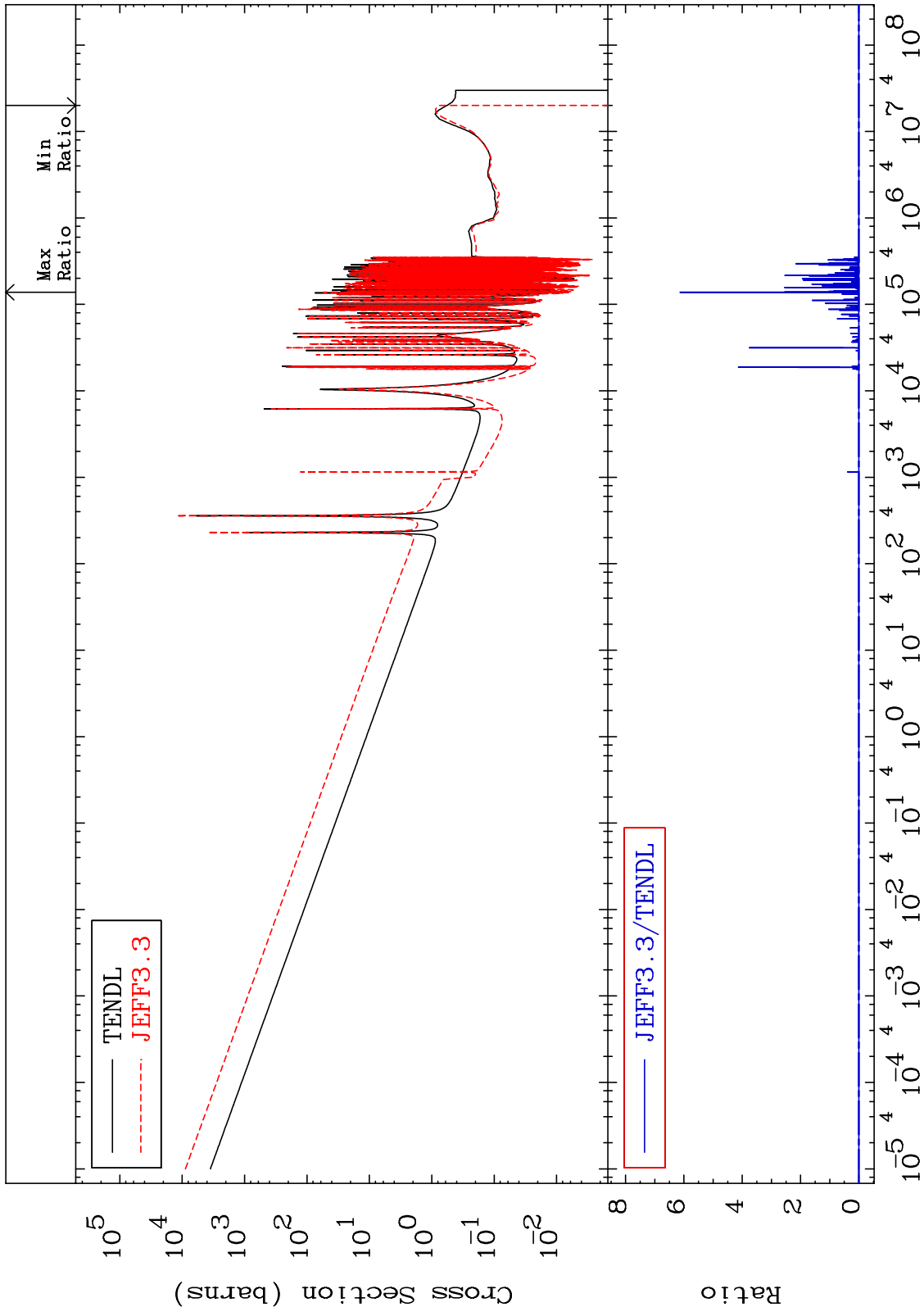
Incident Energy (eV)

26-Fe-58

MAT 2637

Kerma capture (mt102)  
Cross Section

26-Fe-58  
-100.0 To 9999. %



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Incident Energy (eV)

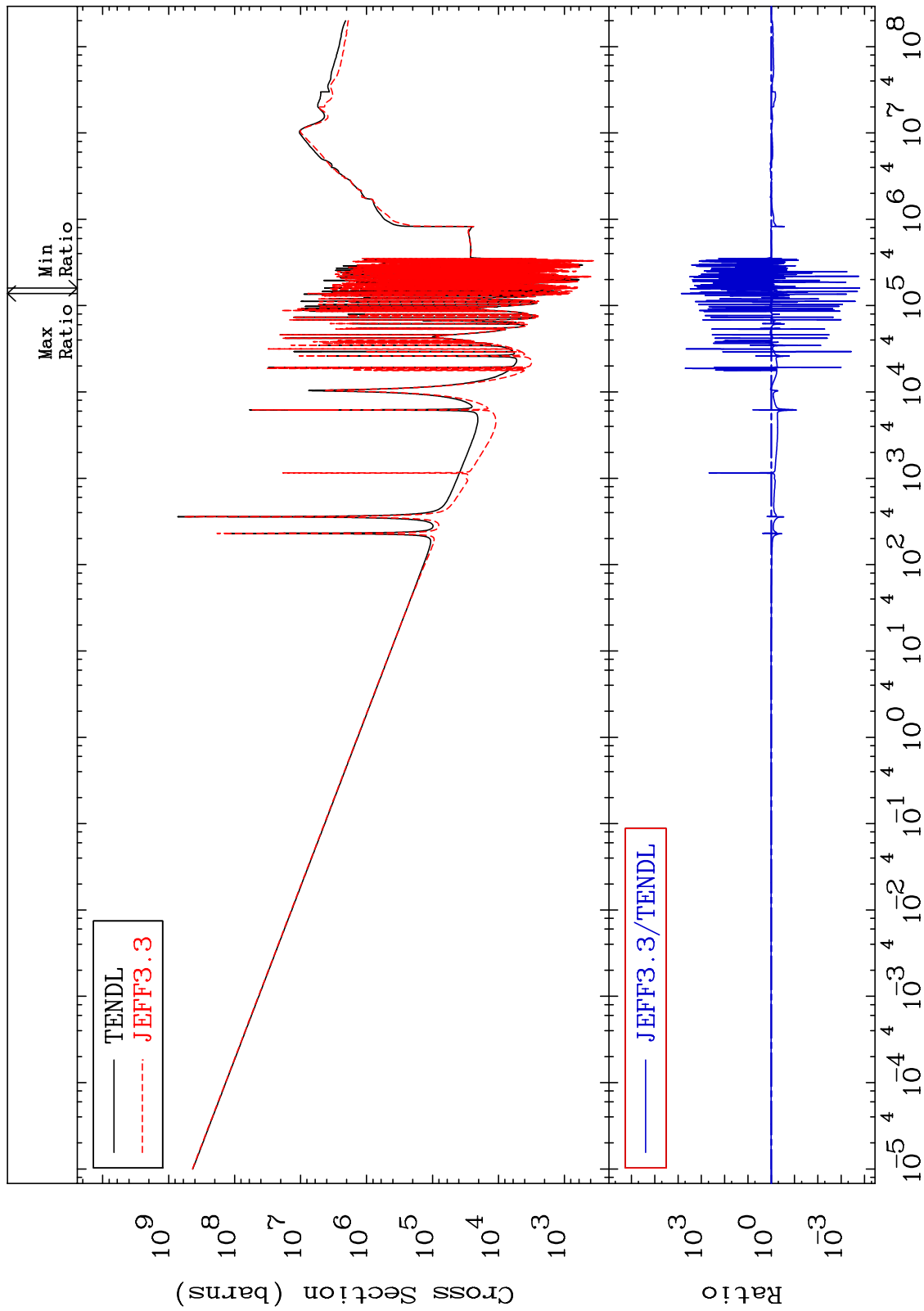
26-Fe-58



MAT 2637

Total photon (eV-barns)  
Cross Section

26-Fe-58  
-99.98 To 9999. %

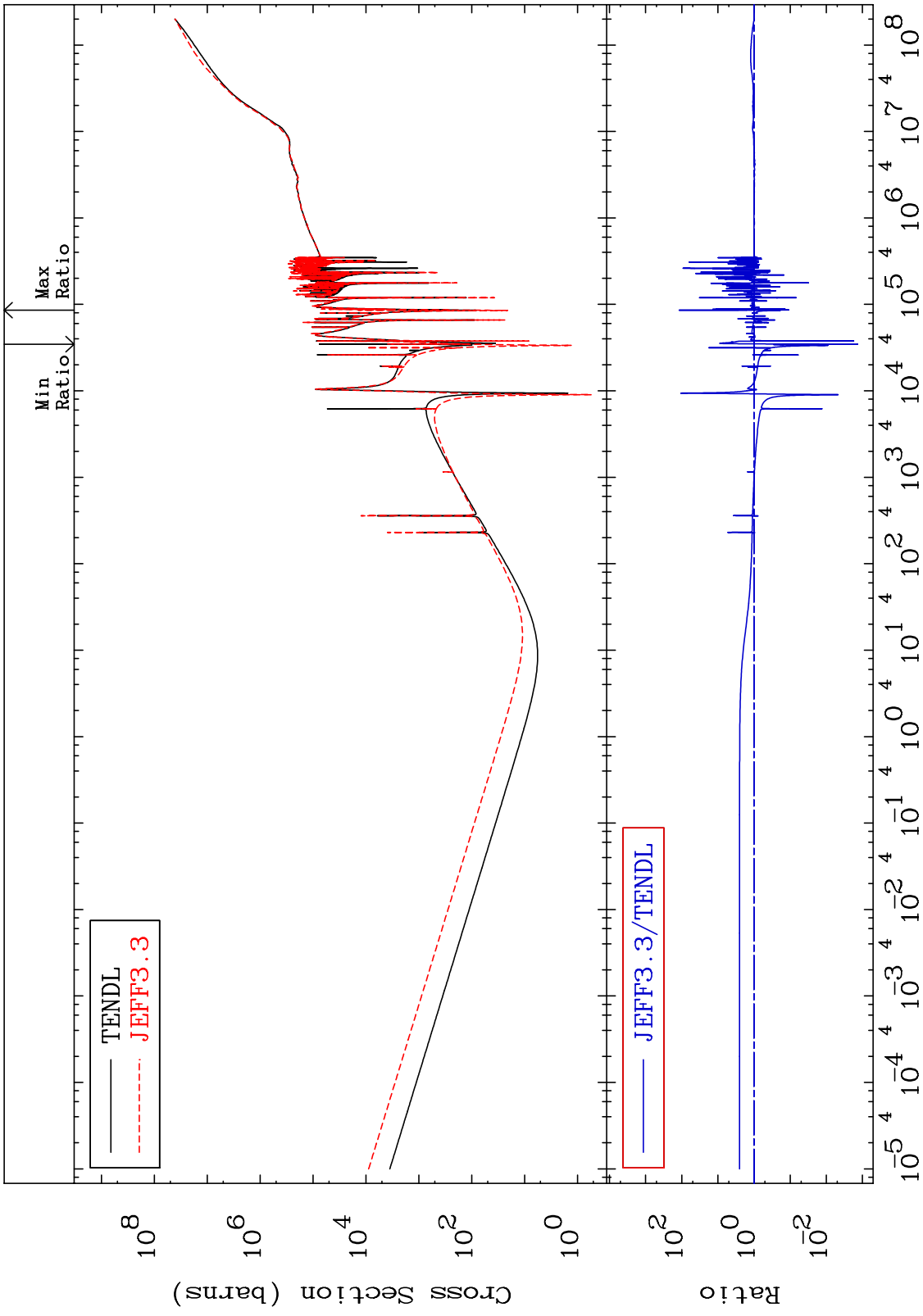


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Incident Energy (eV)

26-Fe-58

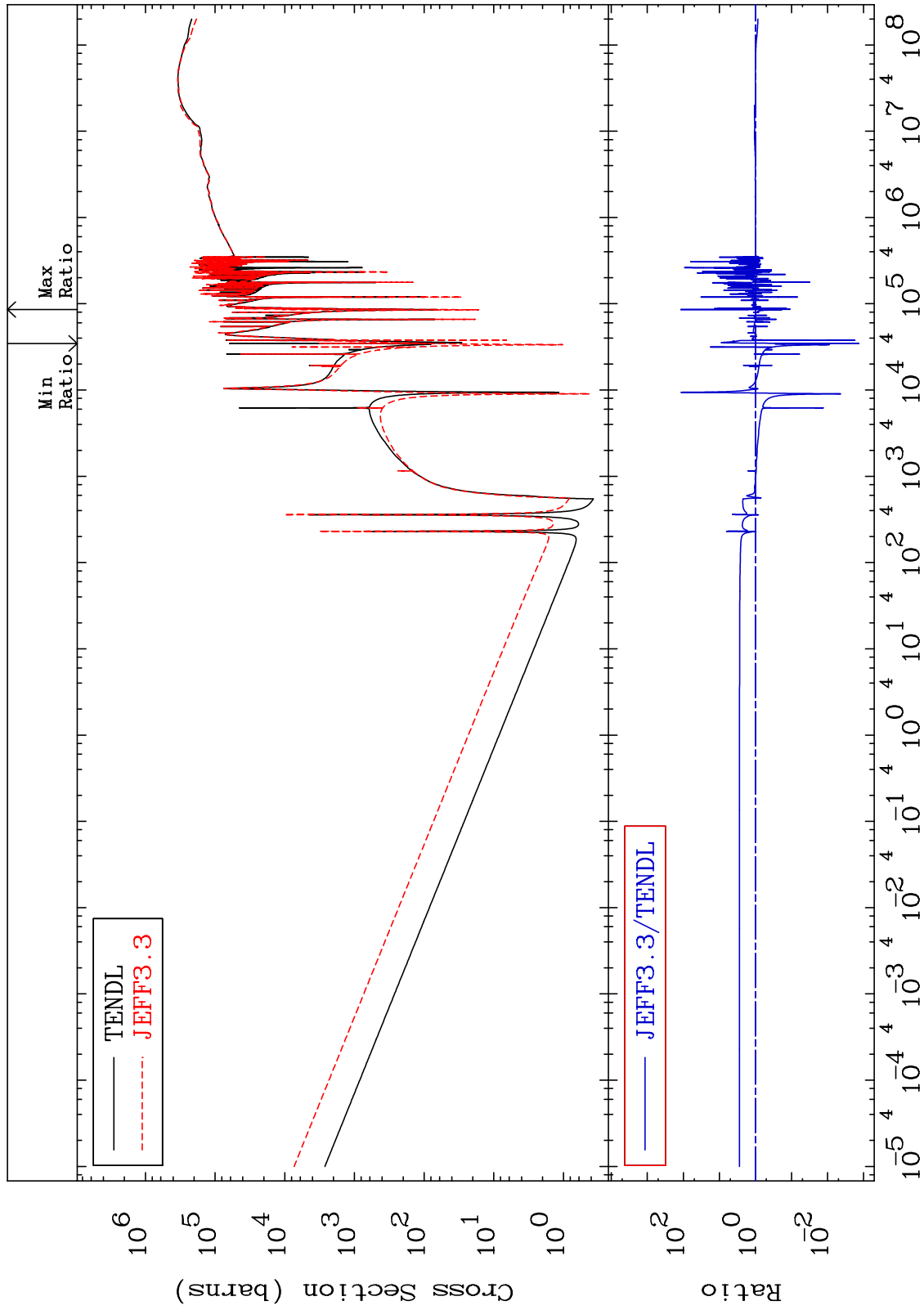
MAT 2637      Total kinematic kerma (high limit)      26-Fe-58  
 Cross Section      -99.87 To 9999. %



MAT 2637

Dpa total (eV-barns)  
Cross Section

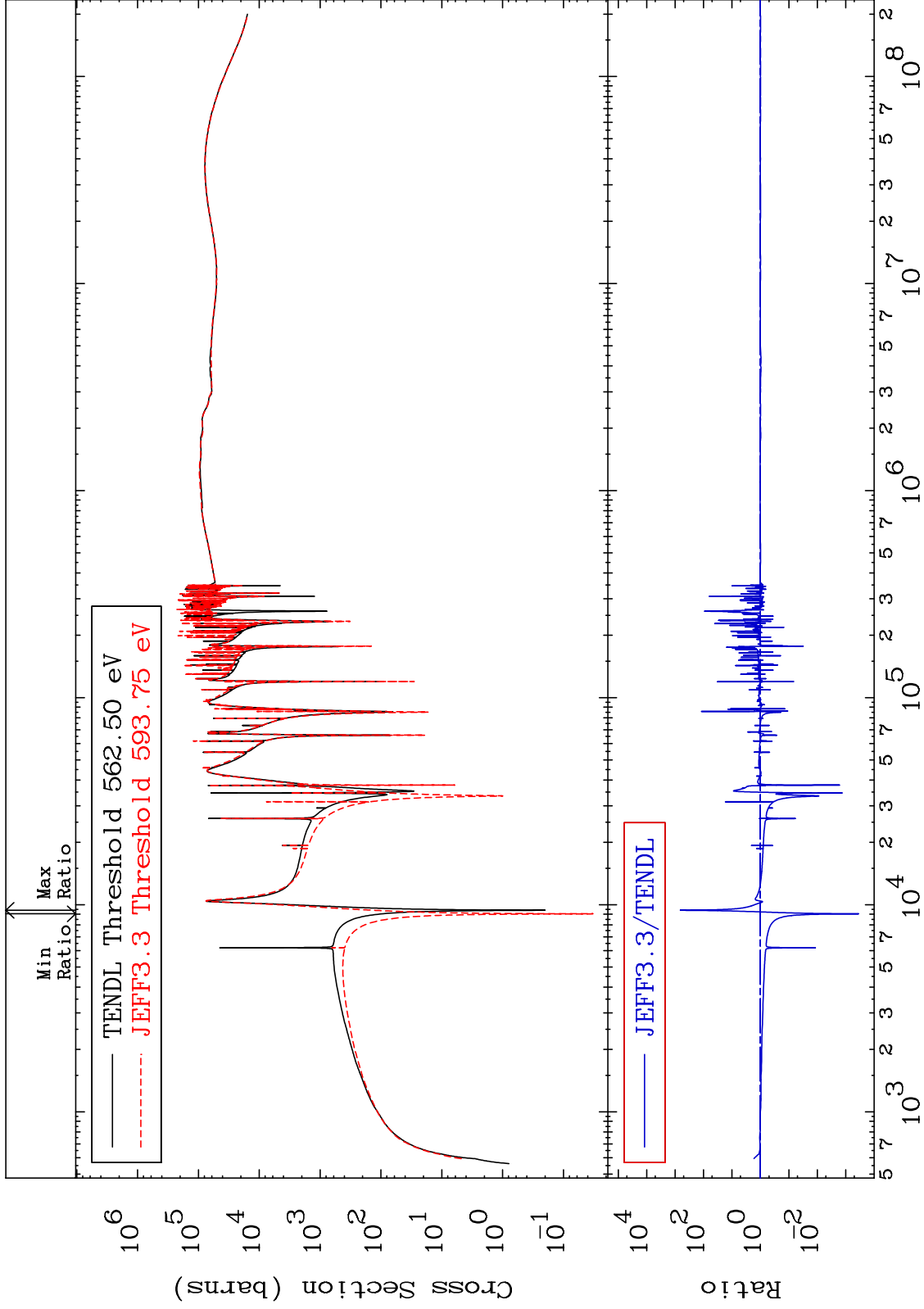
26-Fe-58  
-99.87 To 9999. %



MAT 2637

Dpa elastic (mt2)  
Cross Section

26-Fe-58  
-99.97 To 9999. %



51

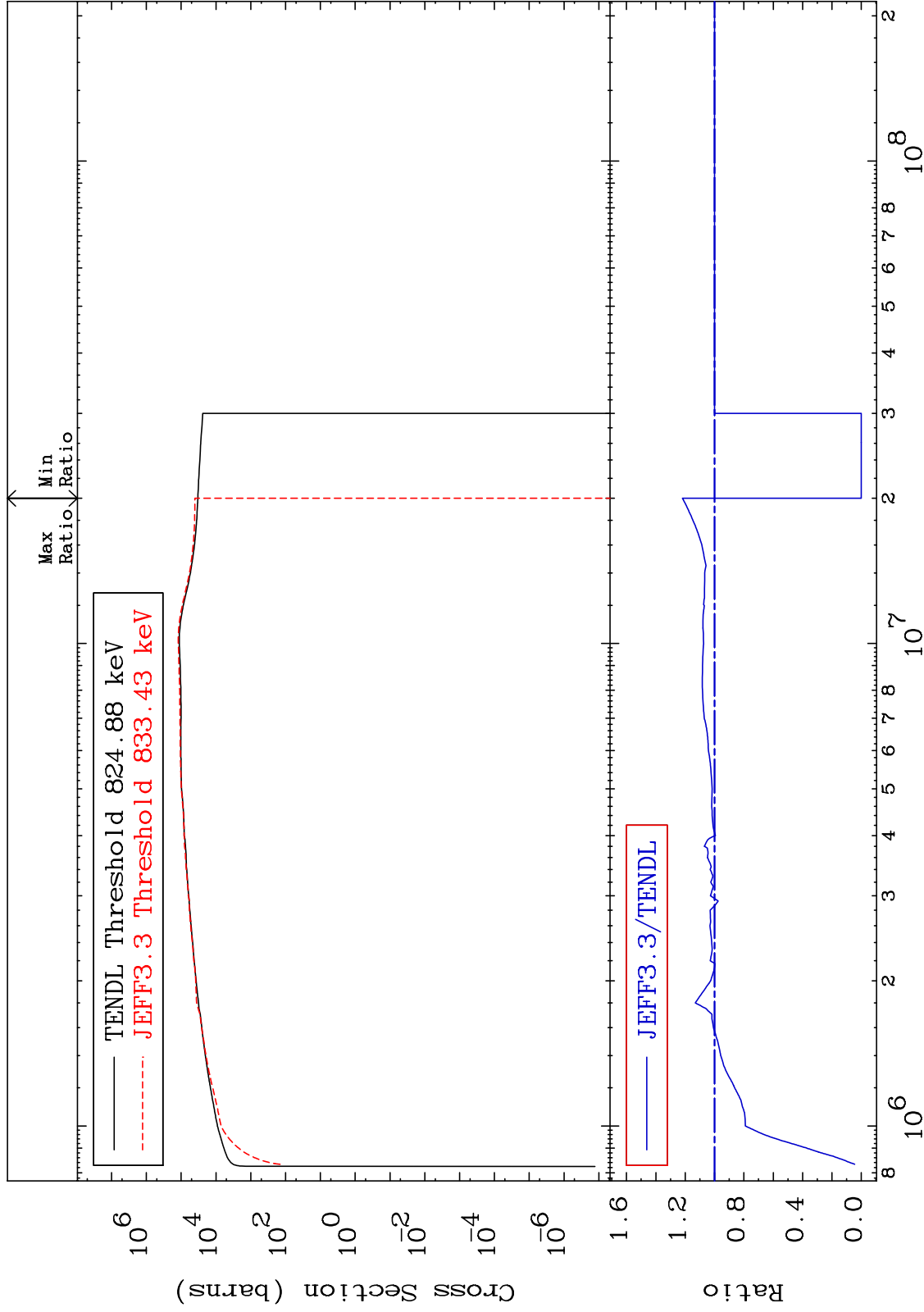
Incident Energy (eV)

26-Fe-58

MAT 2637

Dpa inelastic (mt51-91)  
Cross Section

26-Fe-58  
-100.0 To 21.86 %

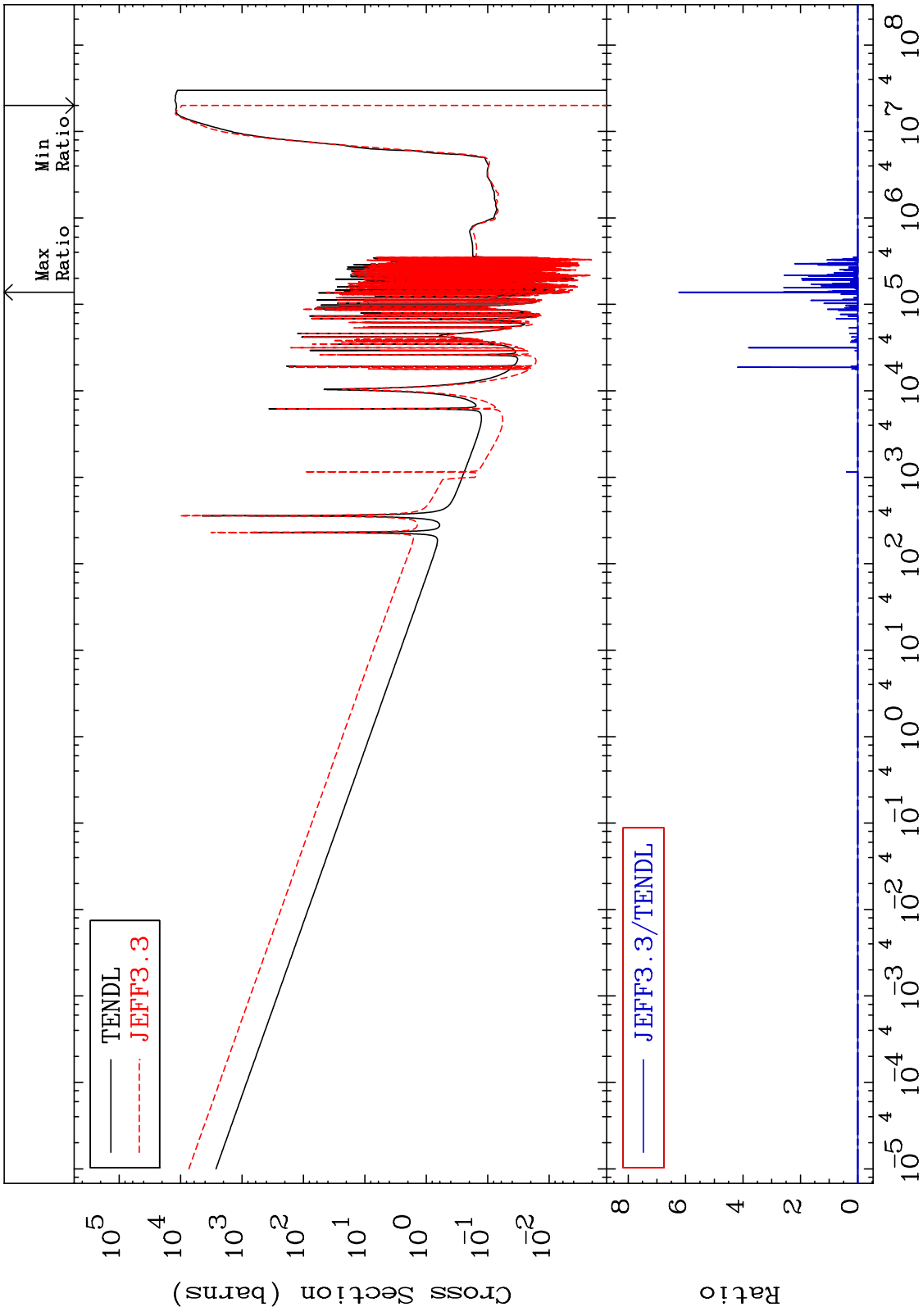


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Incident Energy (eV)

26-Fe-58

MAT 2637      Dpa disappearance (mt102 -120)      26-Fe-58  
 Cross Section      -100.0 To 9999. %

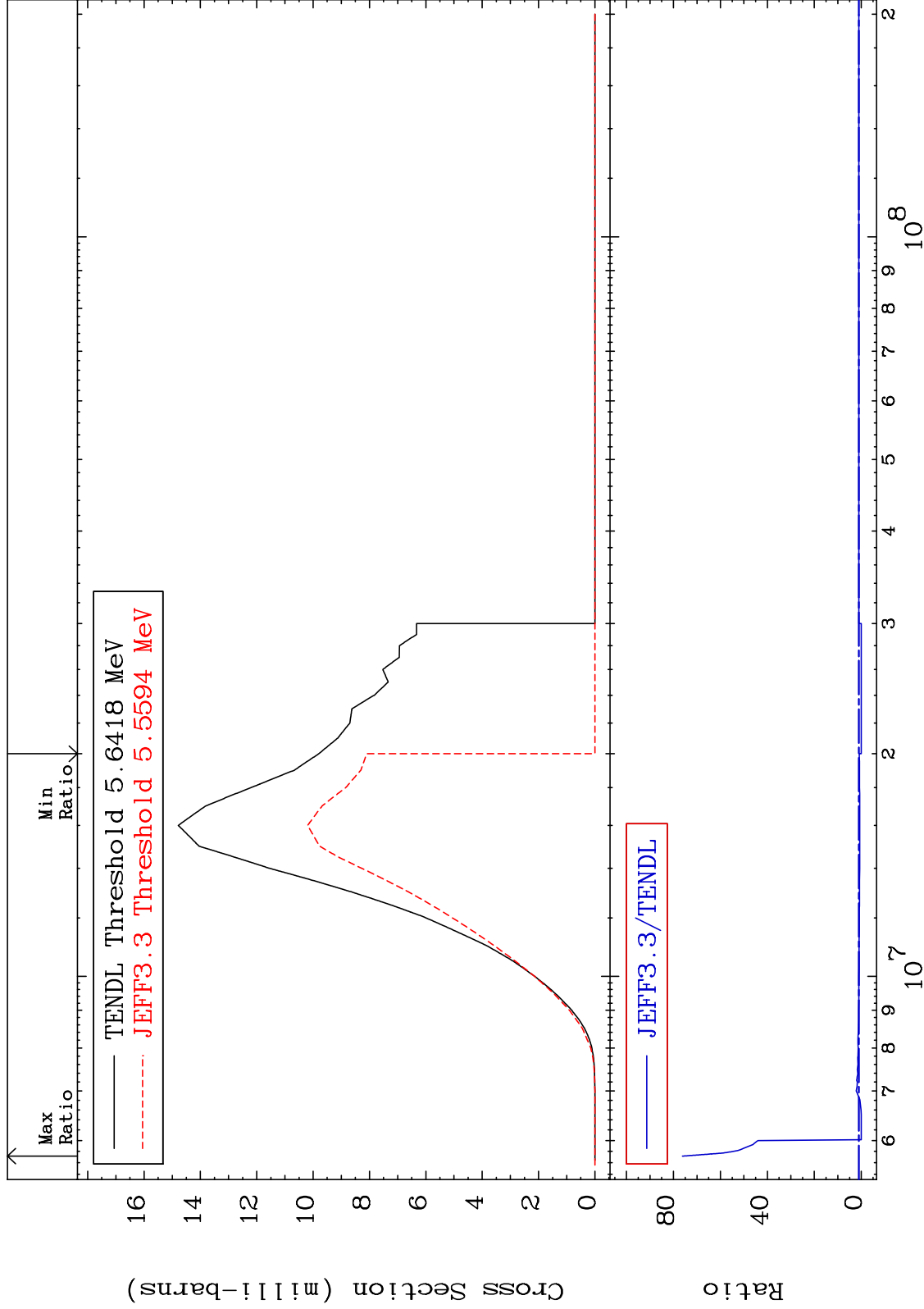


MAT 2637

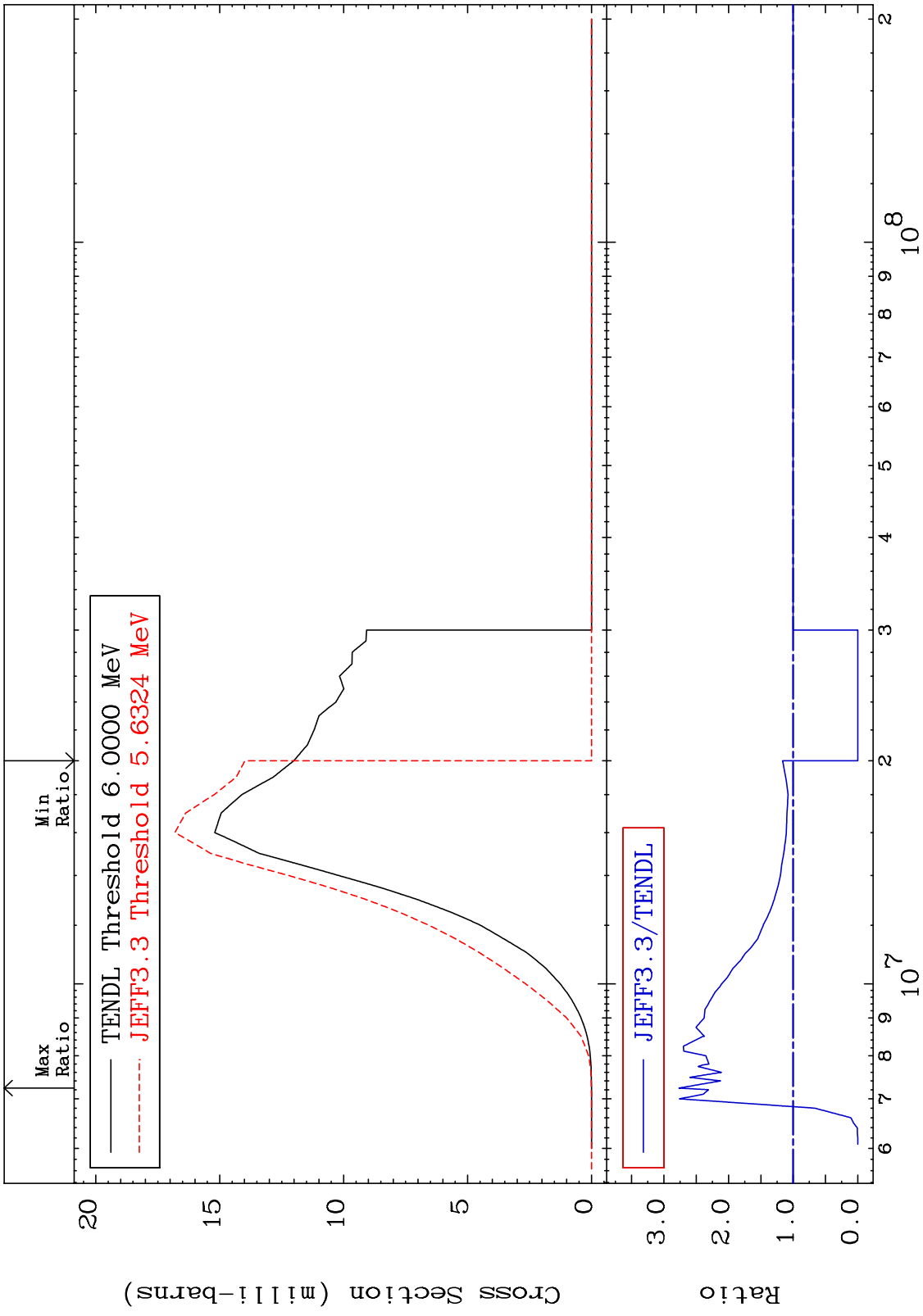
(n,p):25-Mn-58g

<sup>26</sup>Fe-58

Radionuclide Production Cross Section -100.0 To 7517. %



MAT 2637 (n,p):25-Mn-58m1 26-Fe-58  
Radionuclide Production Cross Section -100.0 To 176.6 %

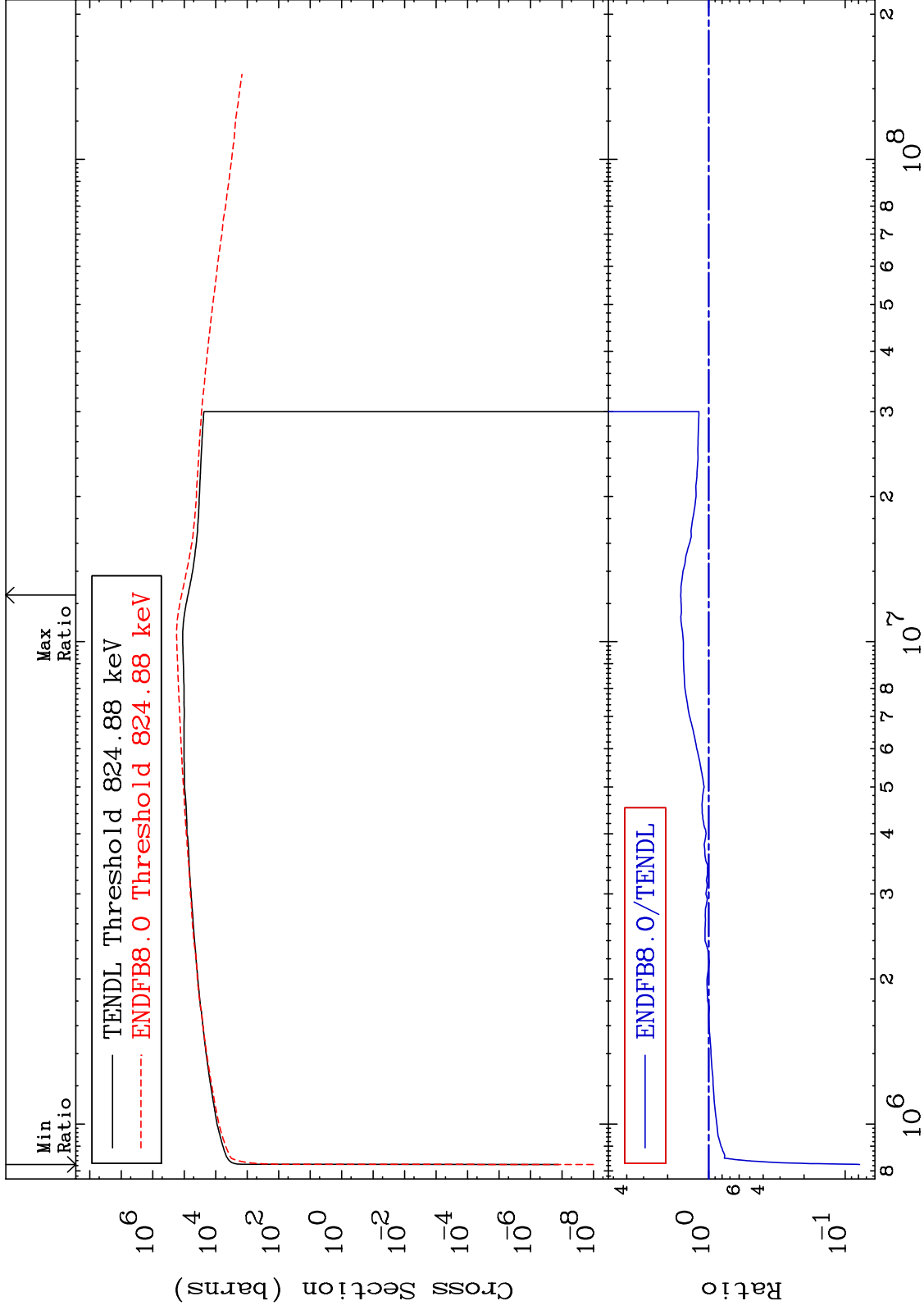




MAT 2637

Dpa inelastic (mt51-91)  
Cross Section

26-Fe-58  
-92.16 To 60.30 %



56

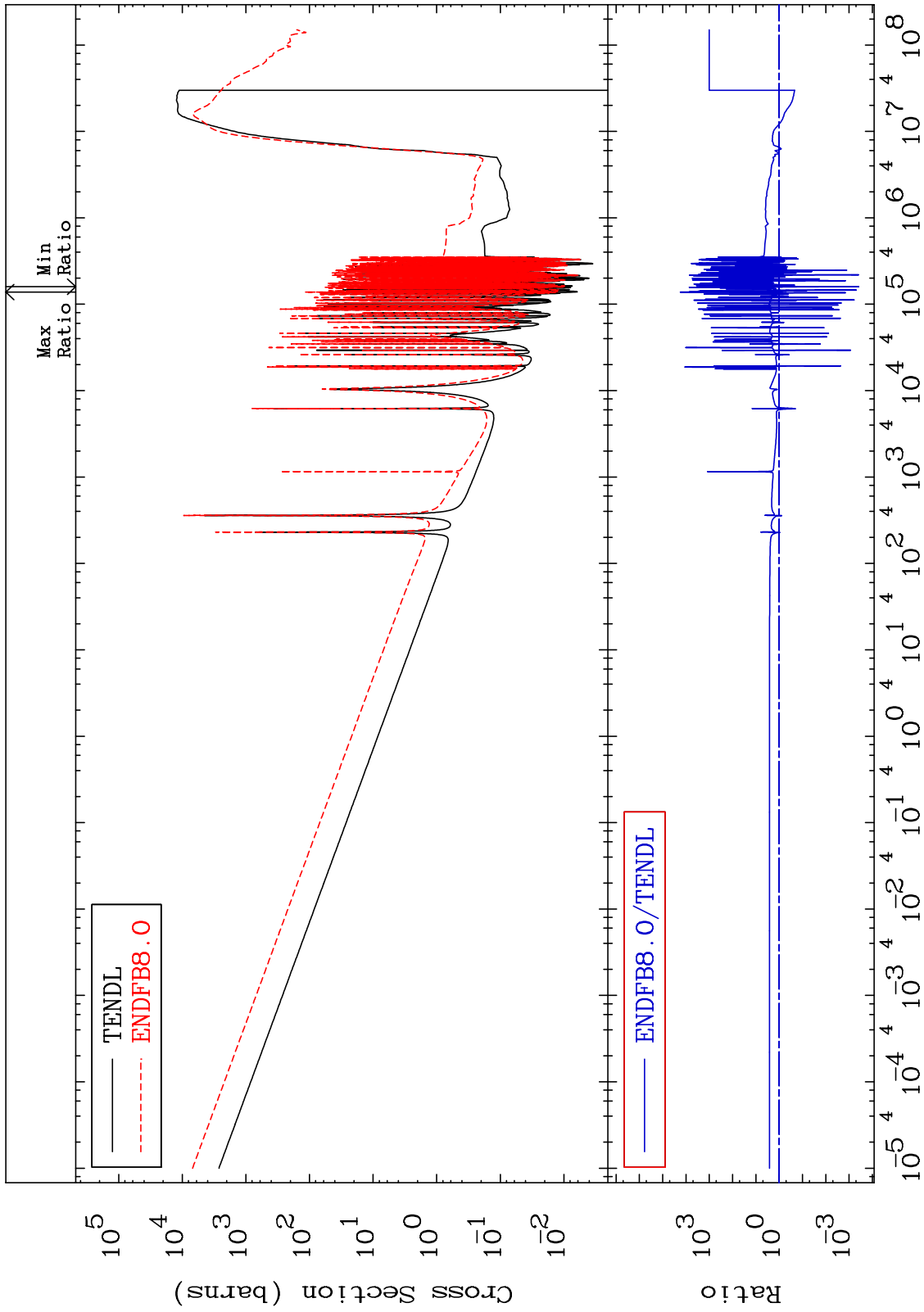
Incident Energy (eV)

26-Fe-58

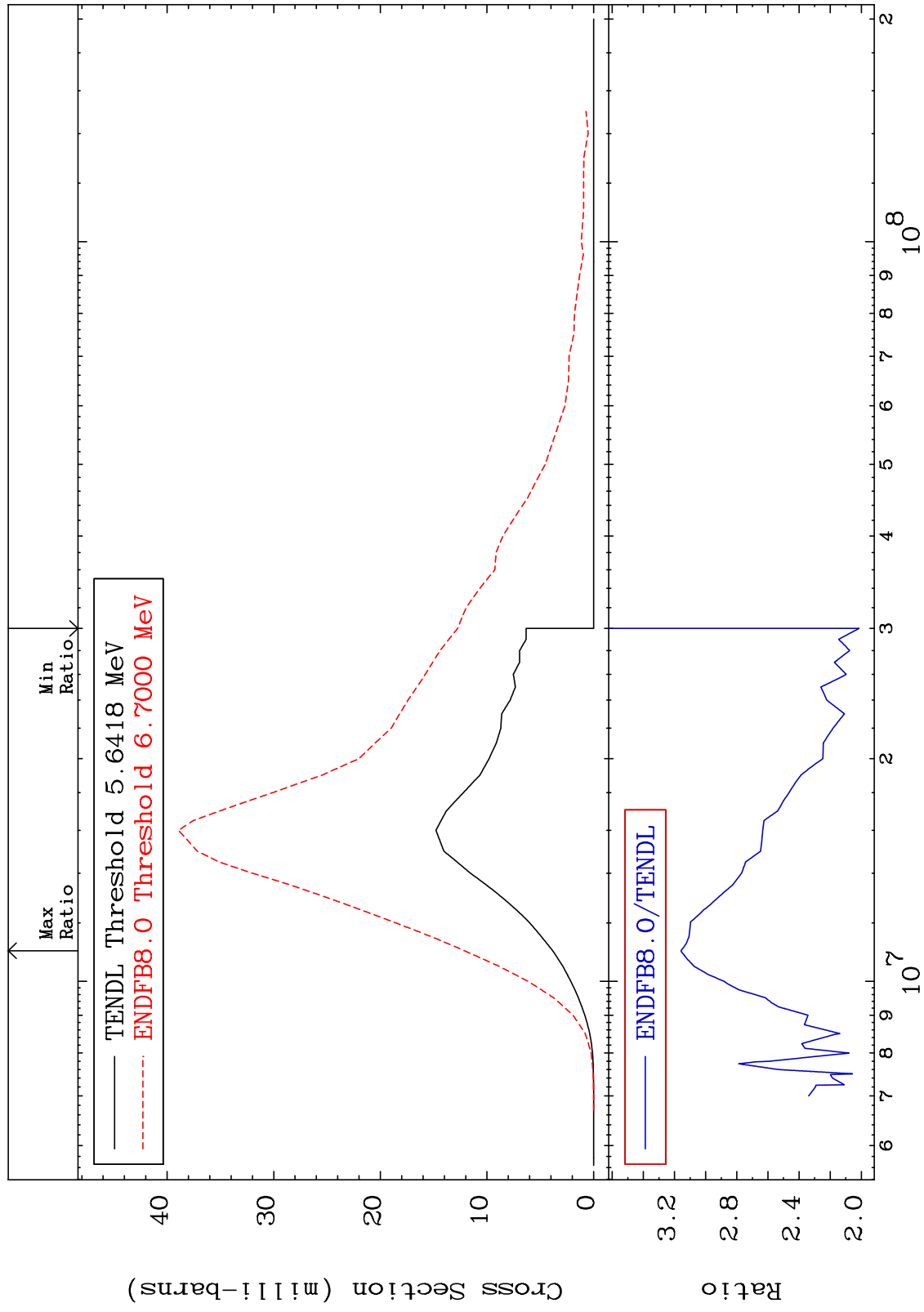
MAT 2637

Dpa disappearance (mt102 -120)  
Cross Section

26-Fe-58  
-99.96 To 9999. %



MAT 2637 (n,p):25-Mn-58g 26-Fe-58  
Radionuclide Production Cross Section 101.5 To 215.9 %



MAT 2637 (n,p):25-Mn-58m1 26-Fe-58  
 Radionuclide Production Cross Section -100.0 To 177.2 %

