

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

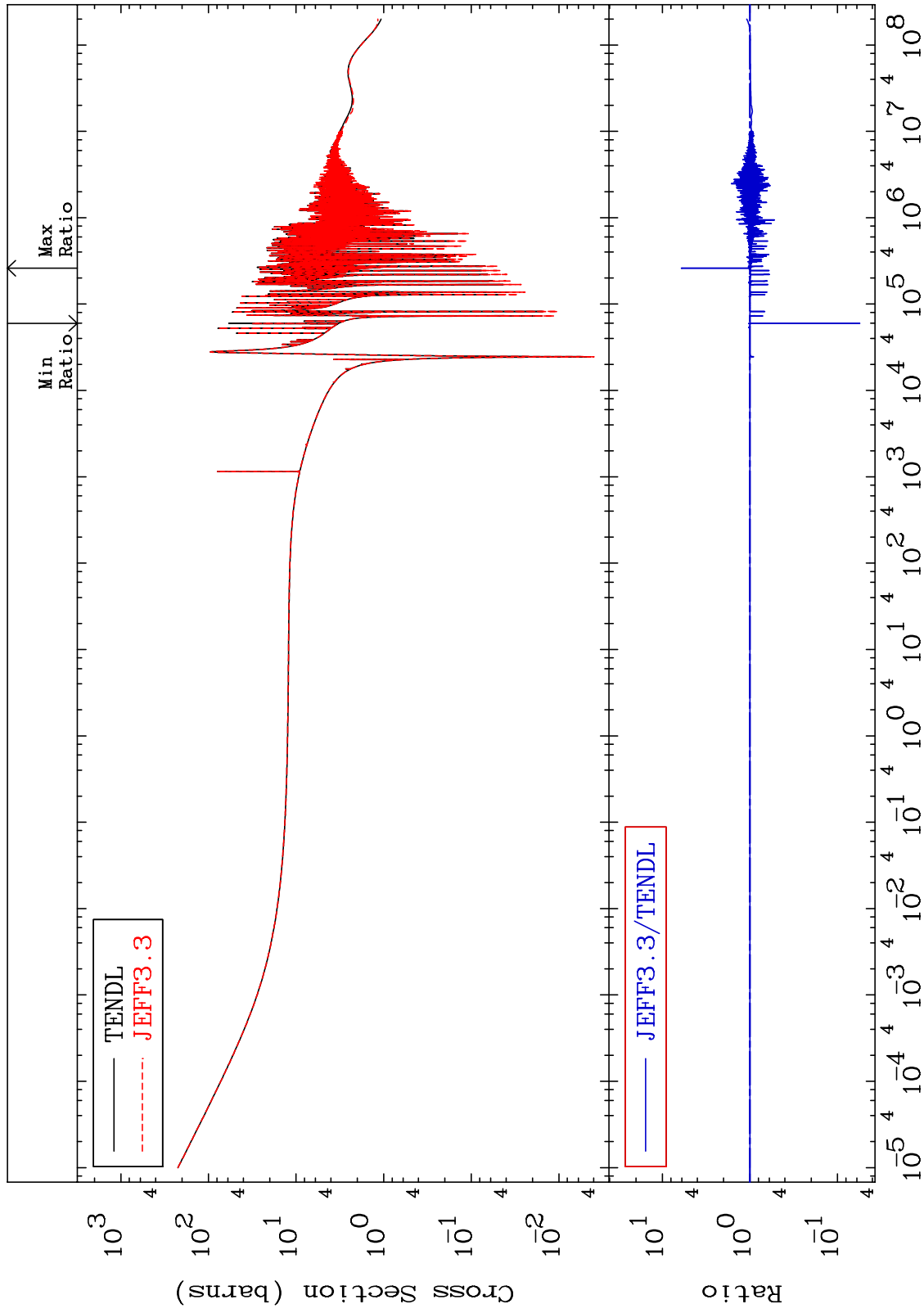
MAT 2631

Total

26-Fe-56

Cross Section

-94.43 To 509.1 %



Incident Energy (eV)

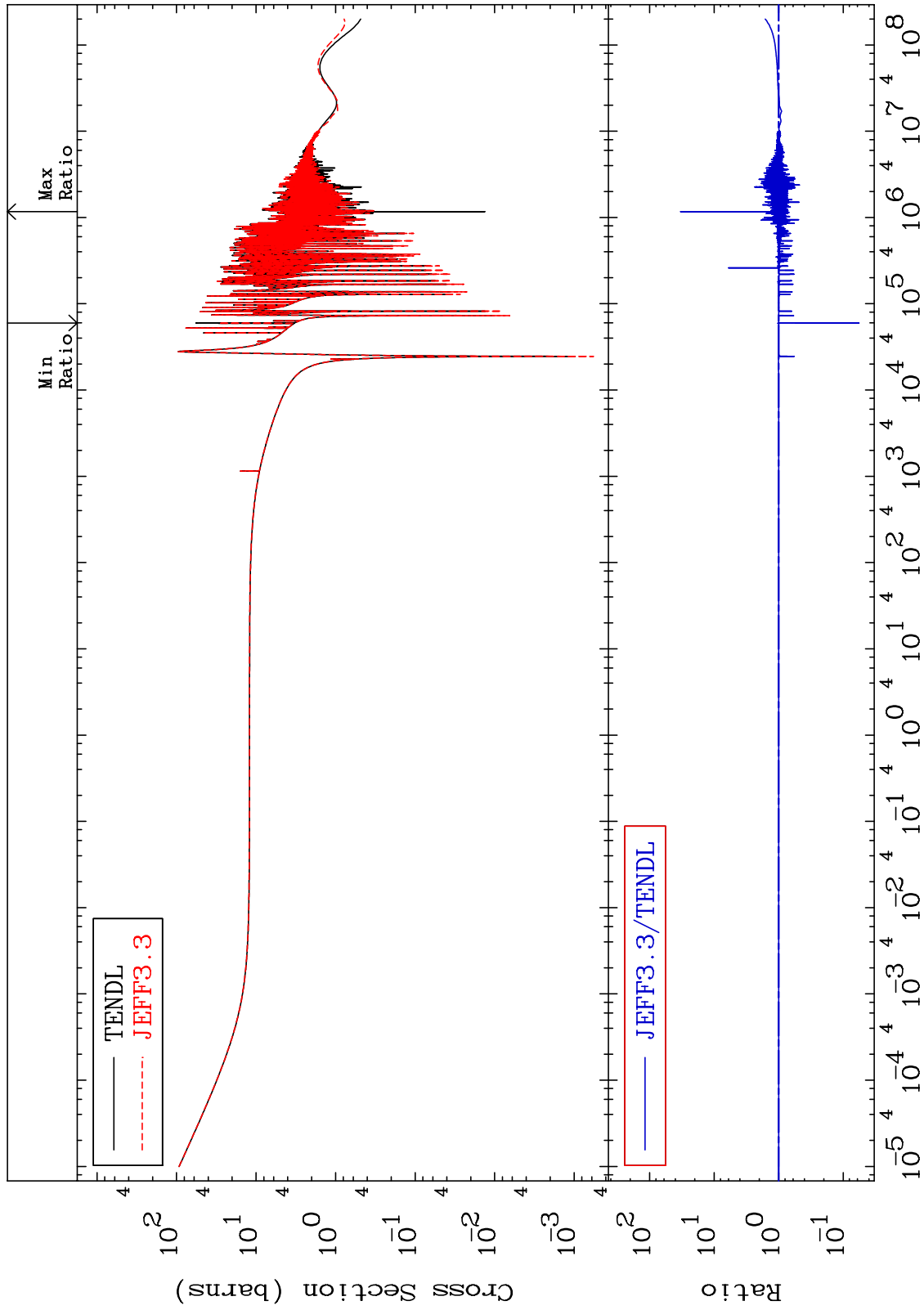
26-Fe-56

1

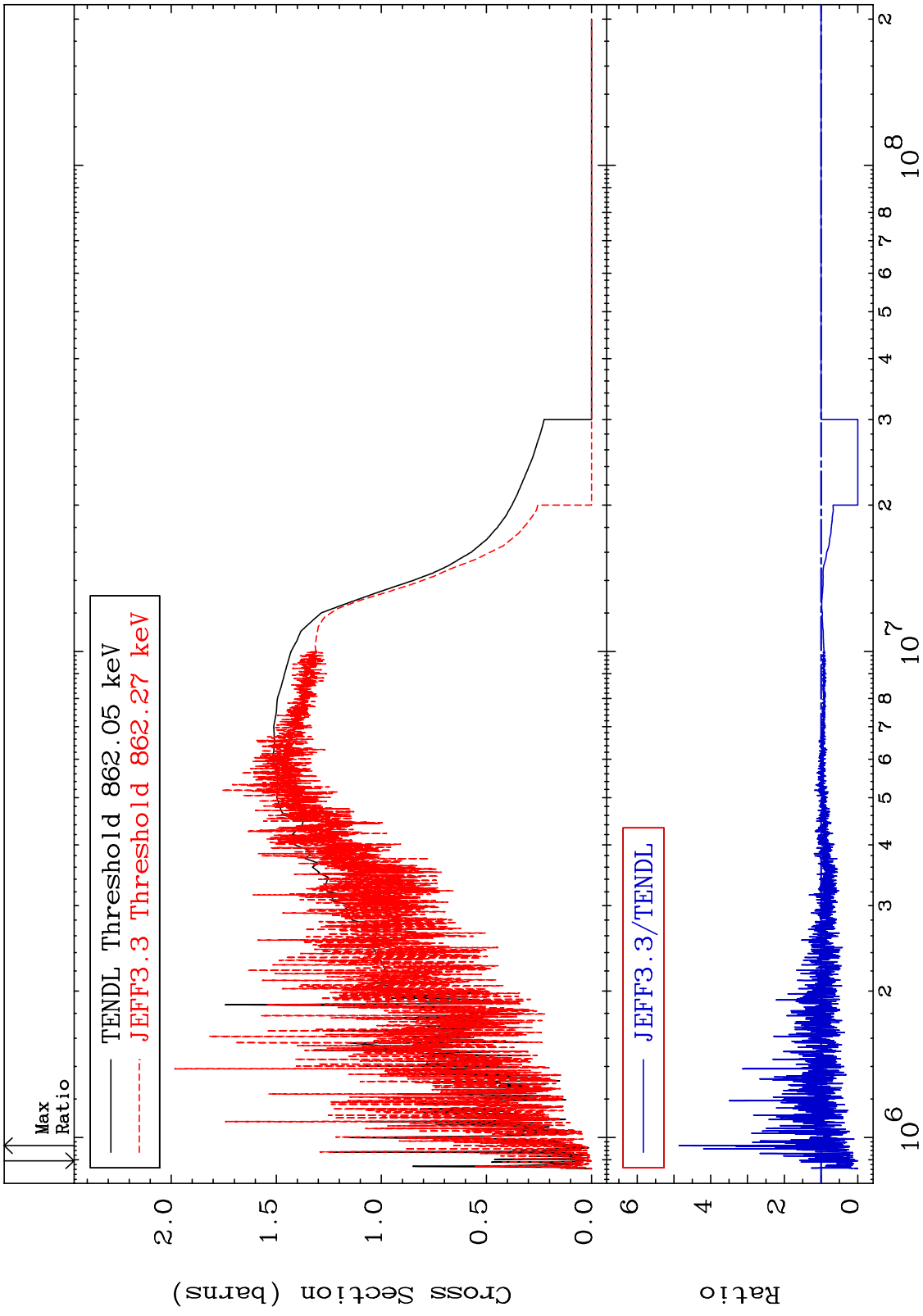
MAT 2631

Elastic
Cross Section

26-Fe-56
-94.31 To 3205. %

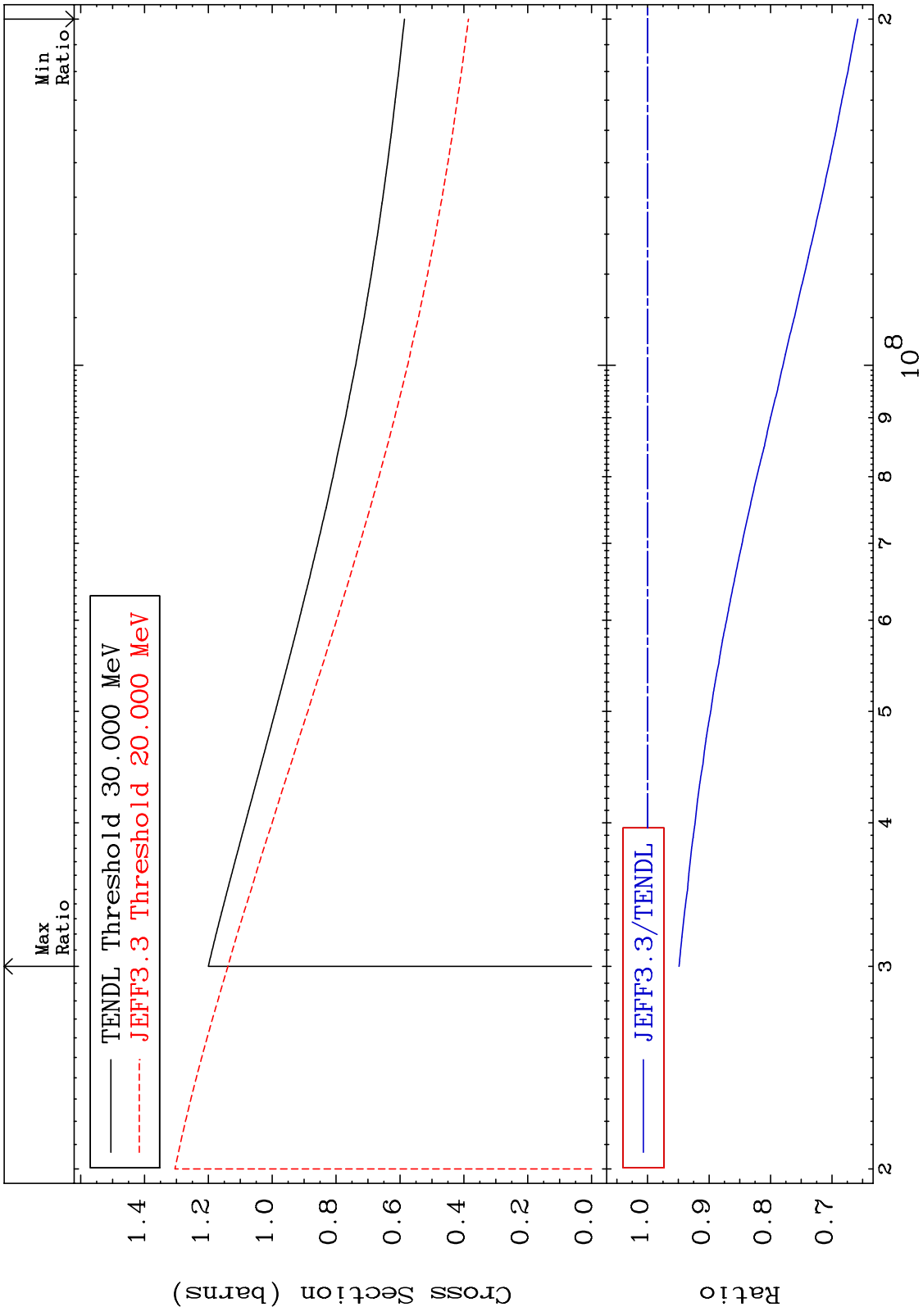


MAT 2631 Inelastic Cross Section 26-Fe-56 -100.0 To 386.1 %



3 Incident Energy (eV) 26-Fe-56

MAT 2631 (n, remainder) Cross Section 26-Fe-56 -34.21 To -5.119%



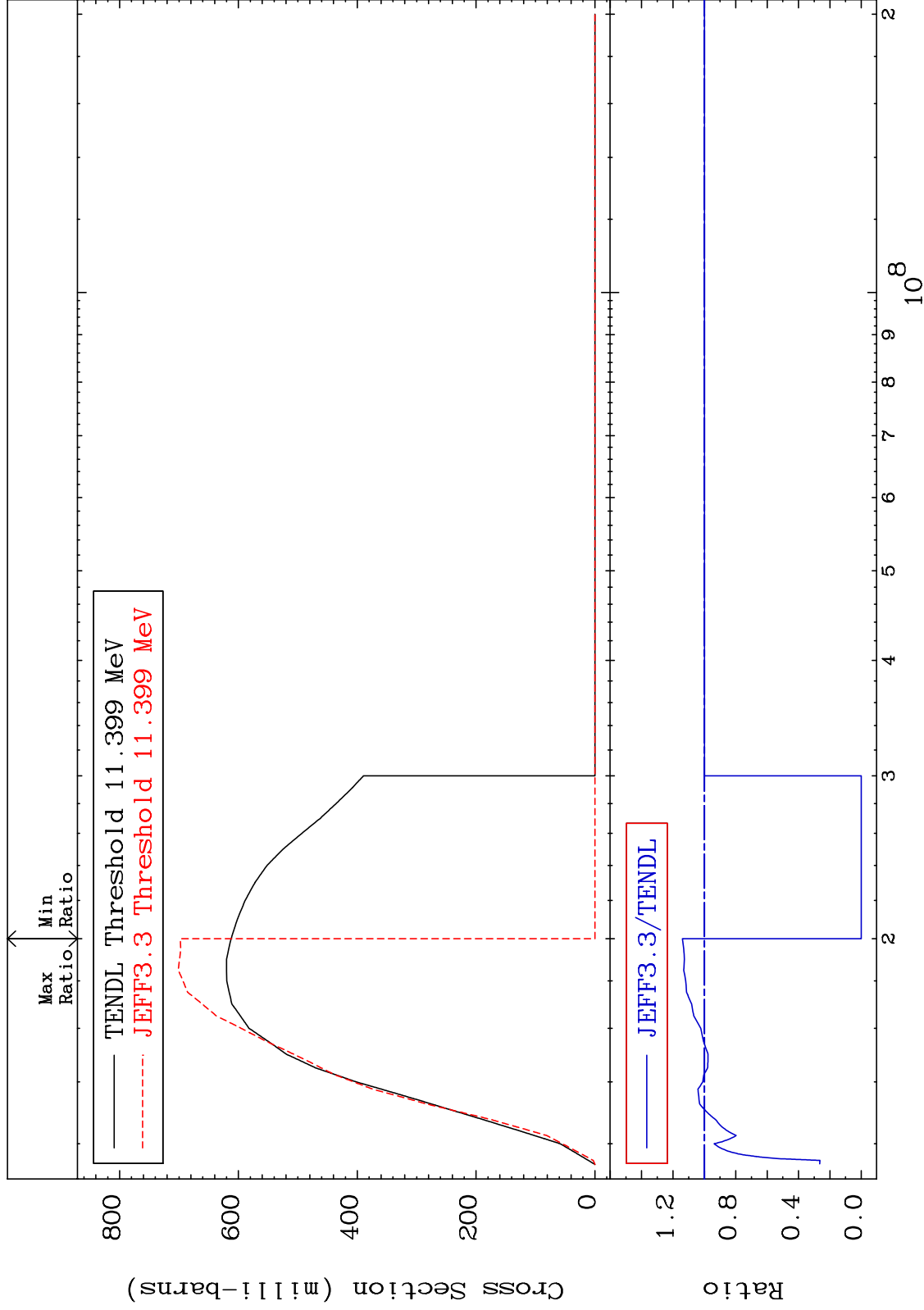
MAT 2631

(n,2n)

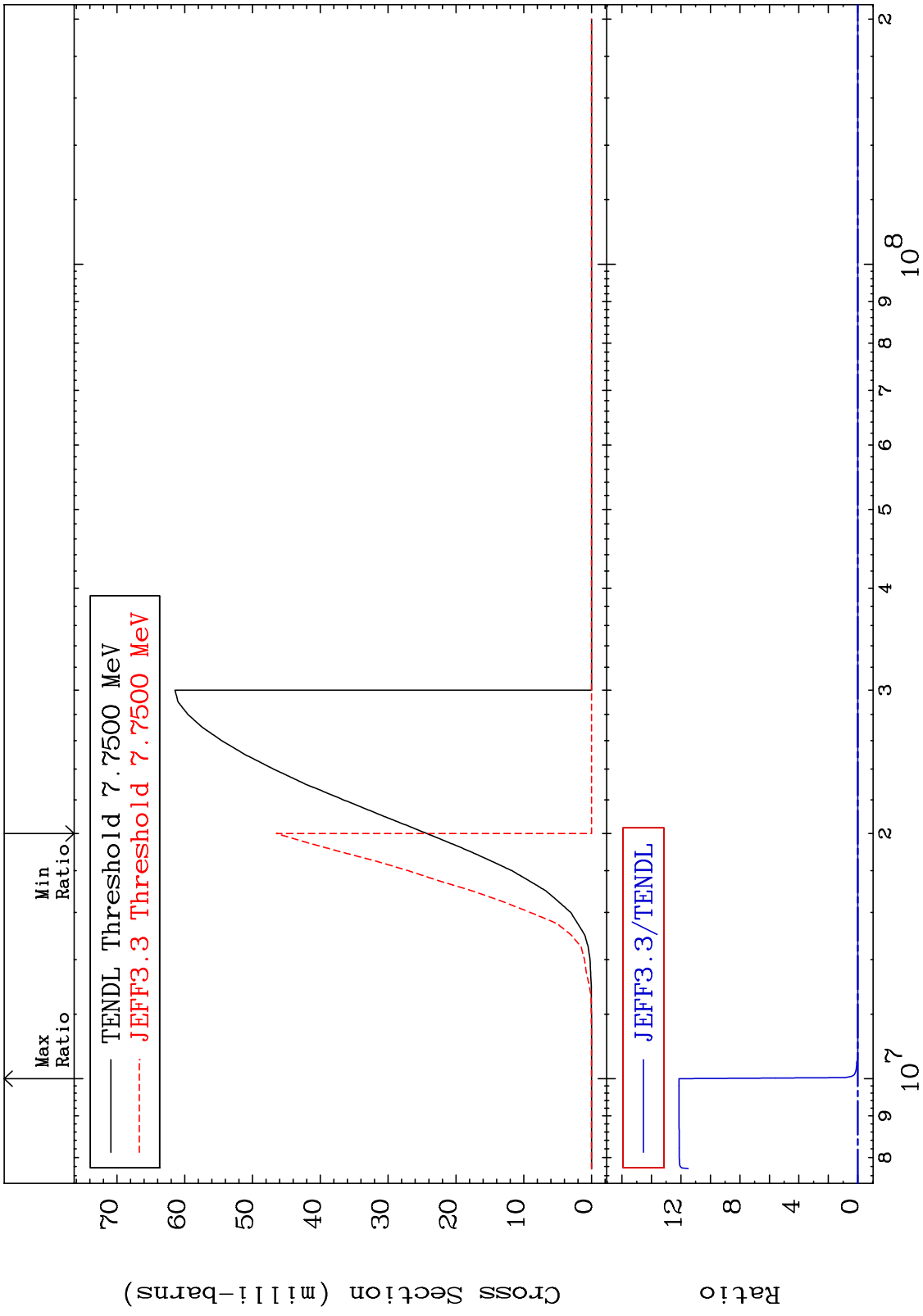
²⁶Fe-56

-100.0 To 13.96 %

Cross Section

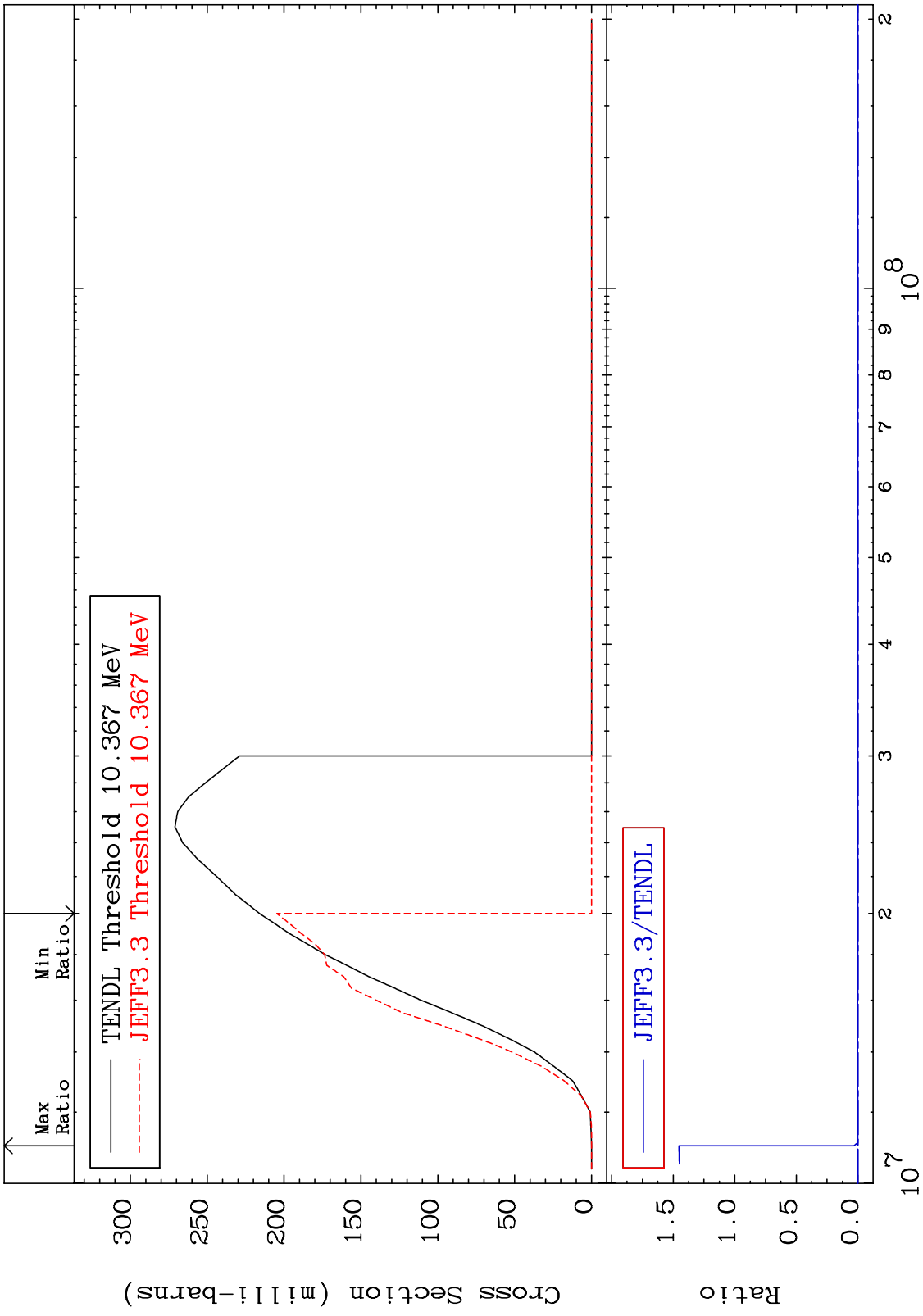


MAT 2631 $(n, n') \alpha$ Cross Section $^{26}\text{Fe-56}$
 -100.0 To 9999. %



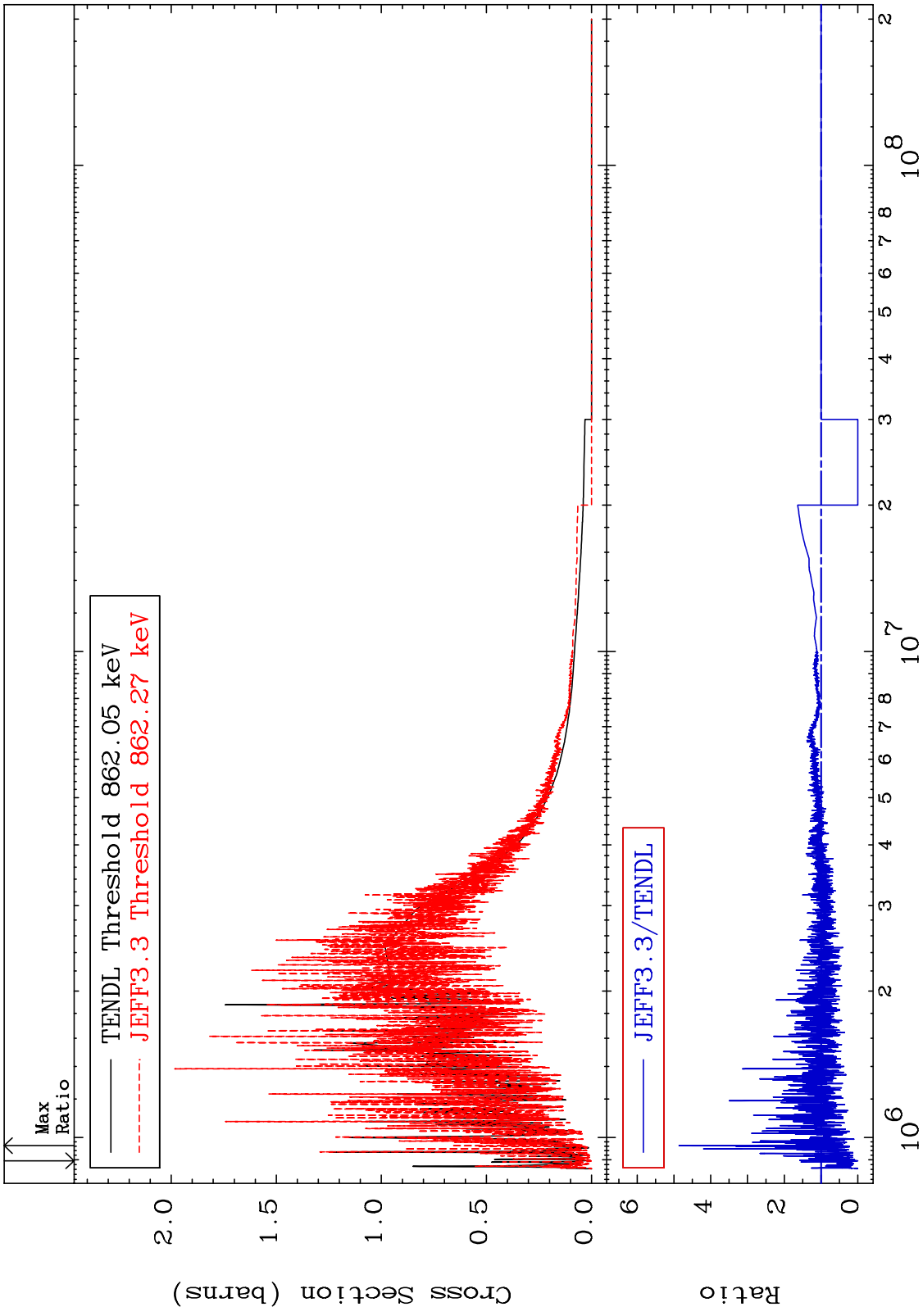
6 $^{26}\text{Fe-56}$

MAT 2631 (n,n') p 26-Fe-56
 Cross Section -100.0 To 9999. %



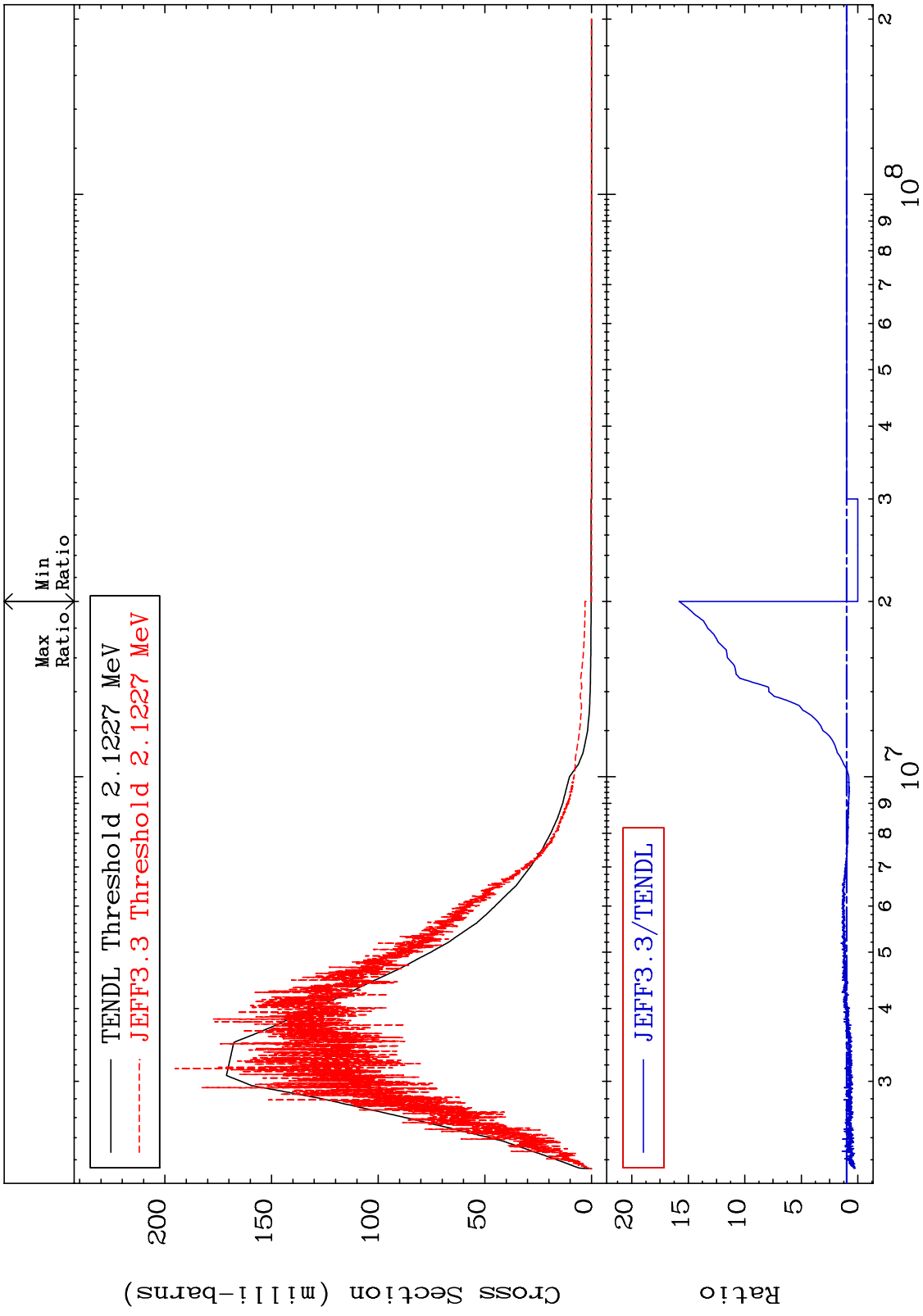
Incident Energy (eV) 26-Fe-56

MAT 2631 MT= 51 (n,n') Level -100.0 To 386.1 % 26-Fe-56
Cross Section

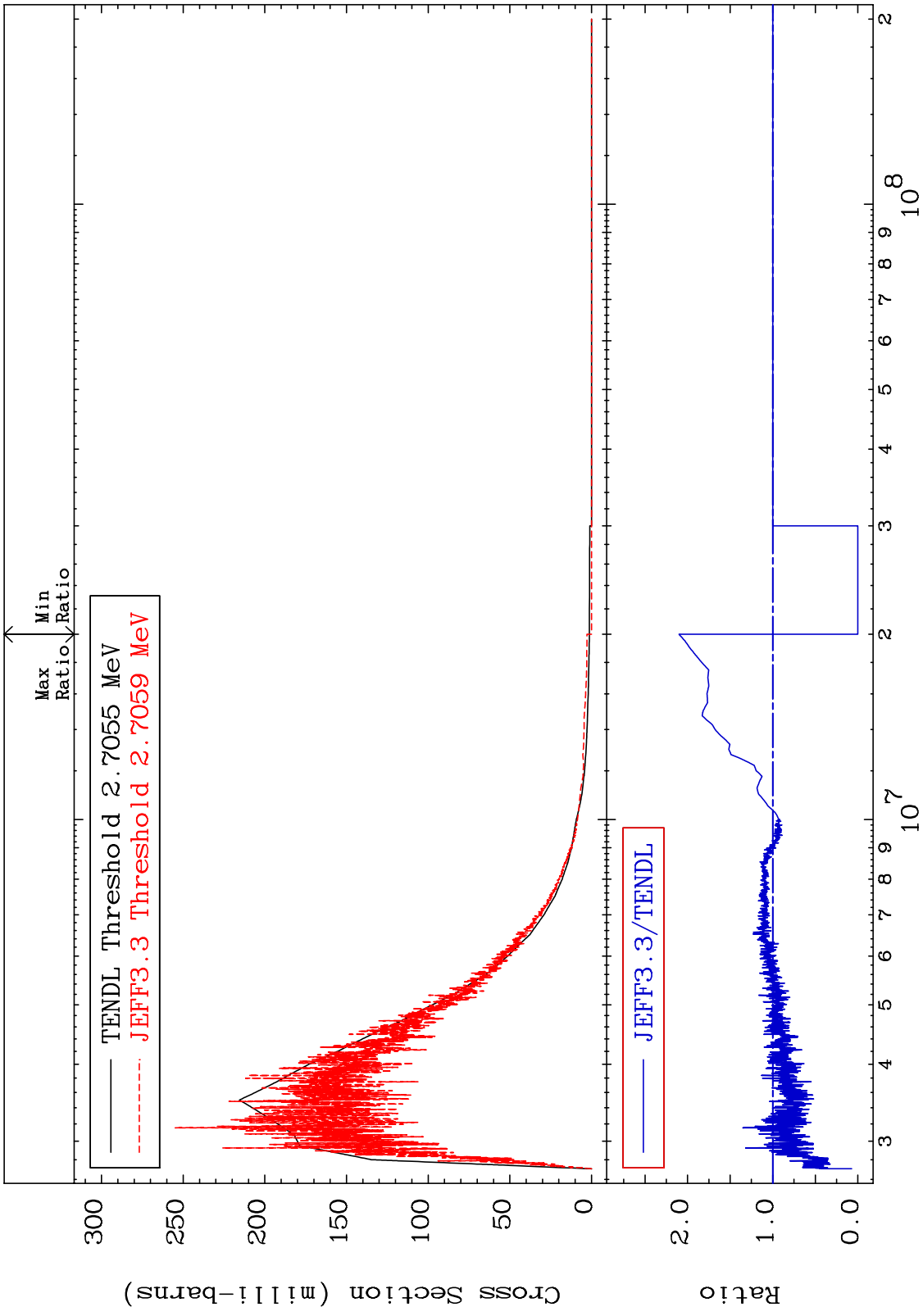


8 26-Fe-56

MAT 2631 MT= 52 (n,n') Level Cross Section -100.0 To 1482. % 26-Fe-56

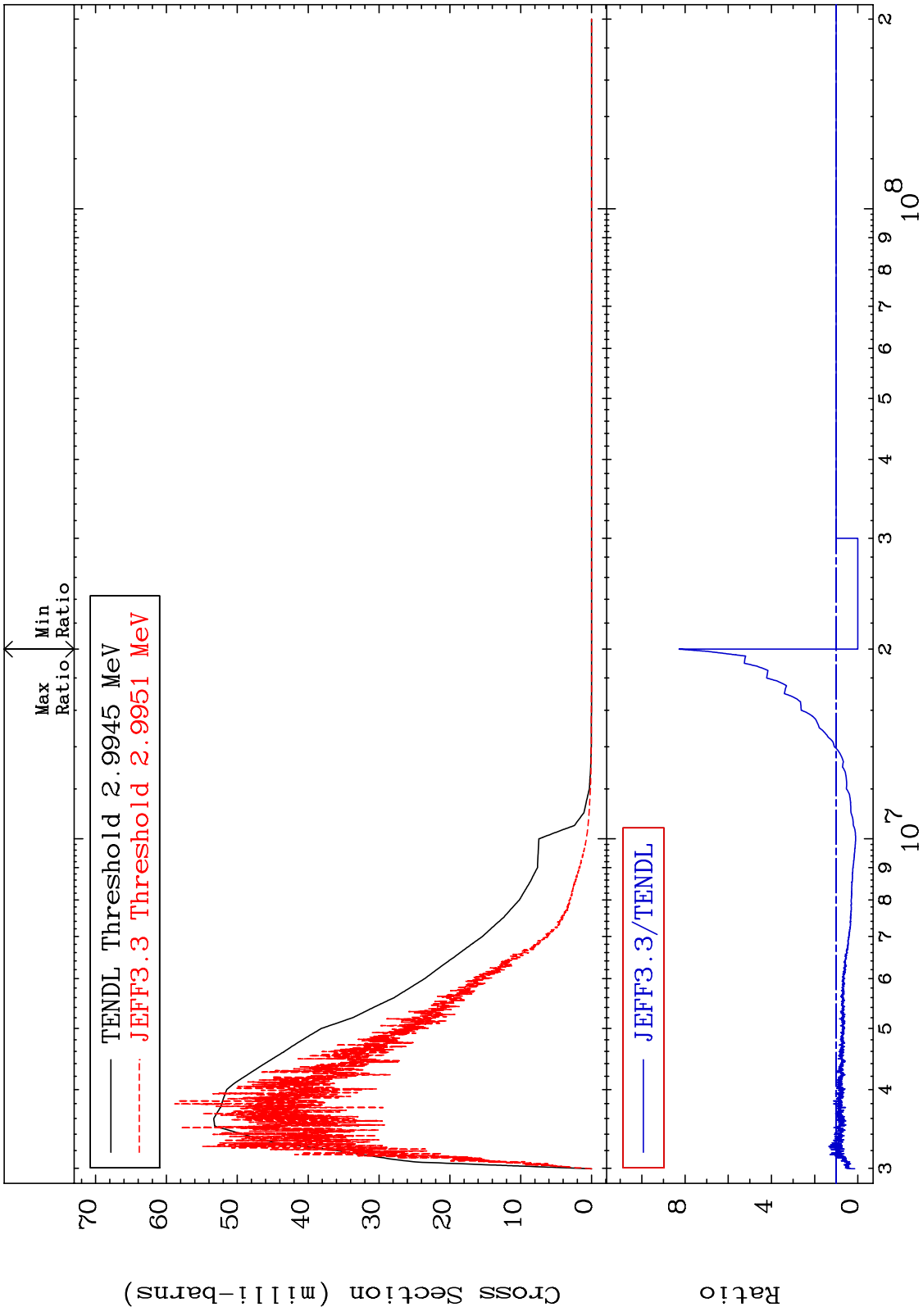


MAT 2631 MT= 53 (n,n') Level Cross Section -100.0 To 110.0 % 26-Fe-56

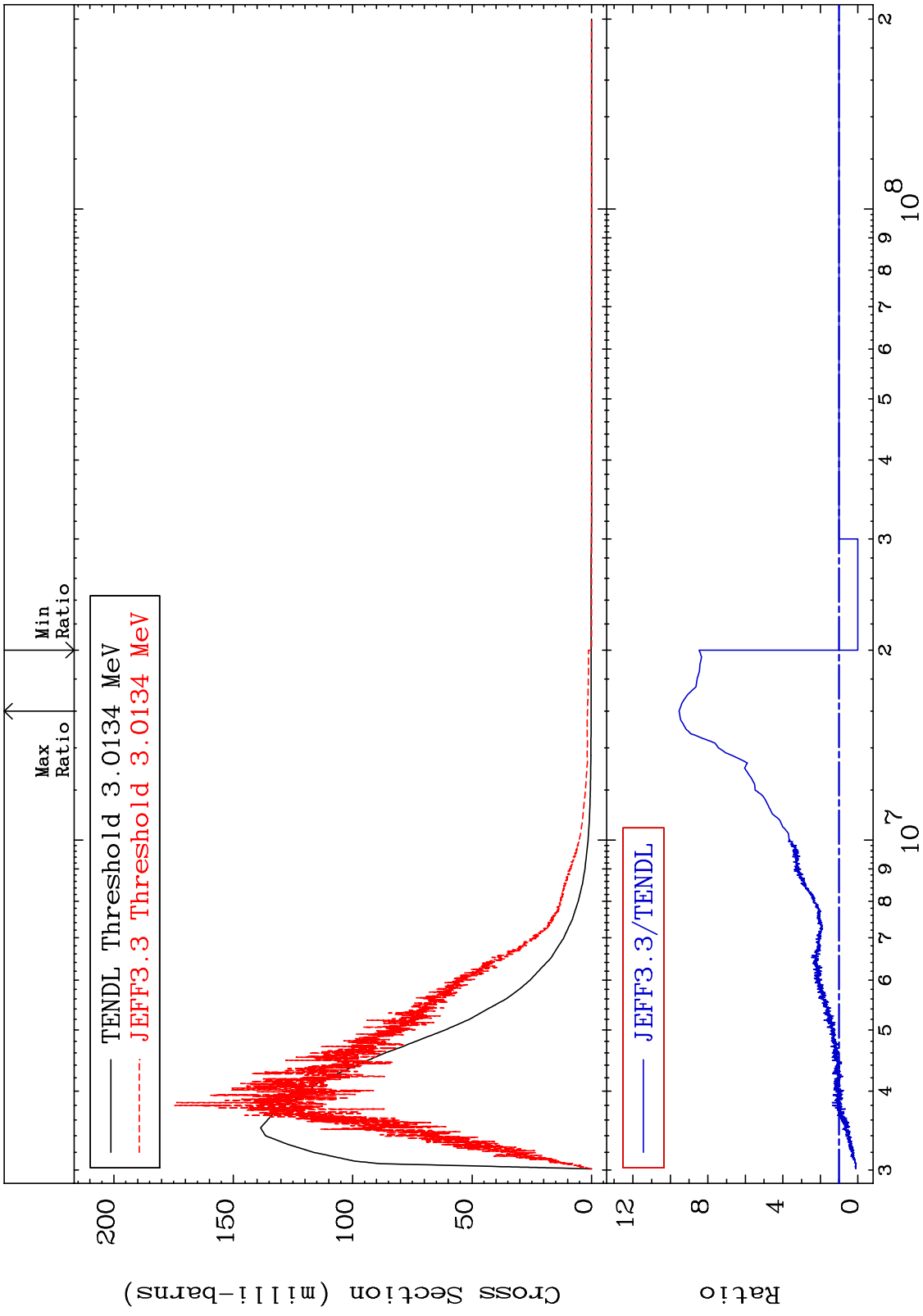


10 Incident Energy (eV) 26-Fe-56

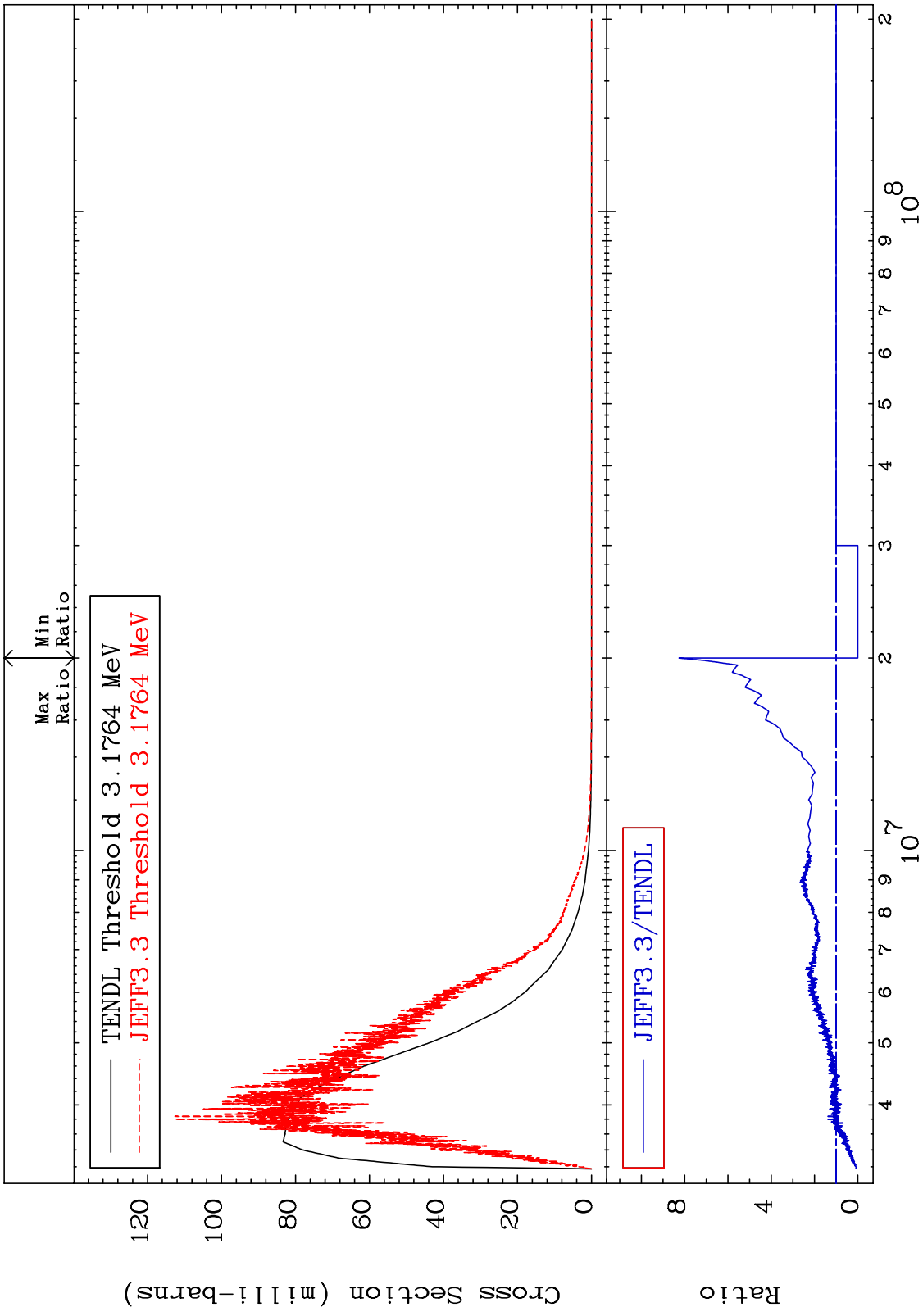
MAT 2631 MT= 54 (n,n') Level Cross Section -100.0 To 727.8 % 26-Fe-56



MAT 2631 MT= 55 (n,n') Level Cross Section -100.0 To 853.8 % 26-Fe-56



MAT 2631 MT= 56 (n,n') Level Cross Section -100.0 To 726.1 % 26-Fe-56

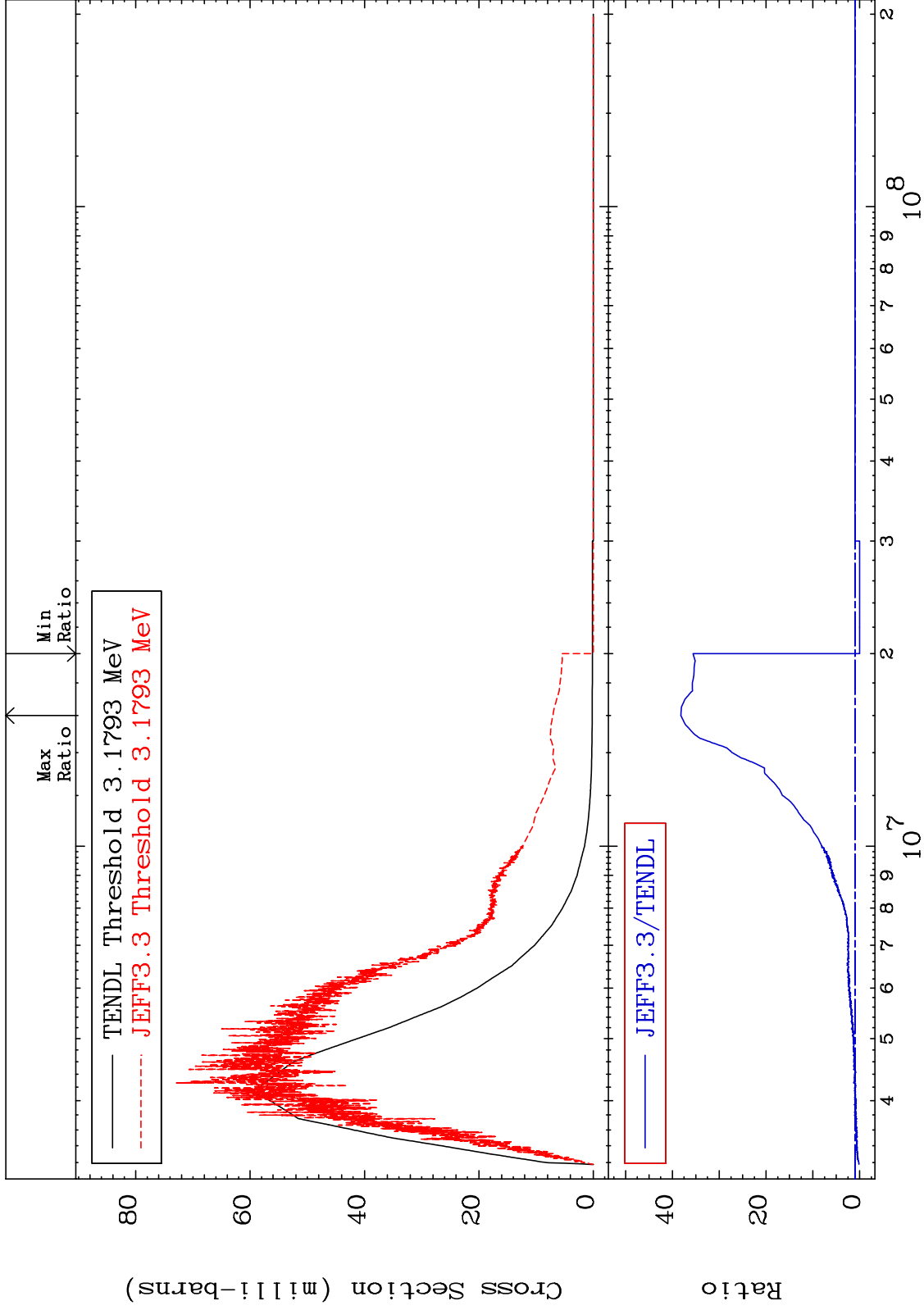


13 Incident Energy (eV) 26-Fe-56

MAT 2631

MT= 57 (n,n') Level
Cross Section

26-Fe-56
-100.0 To 3721. %

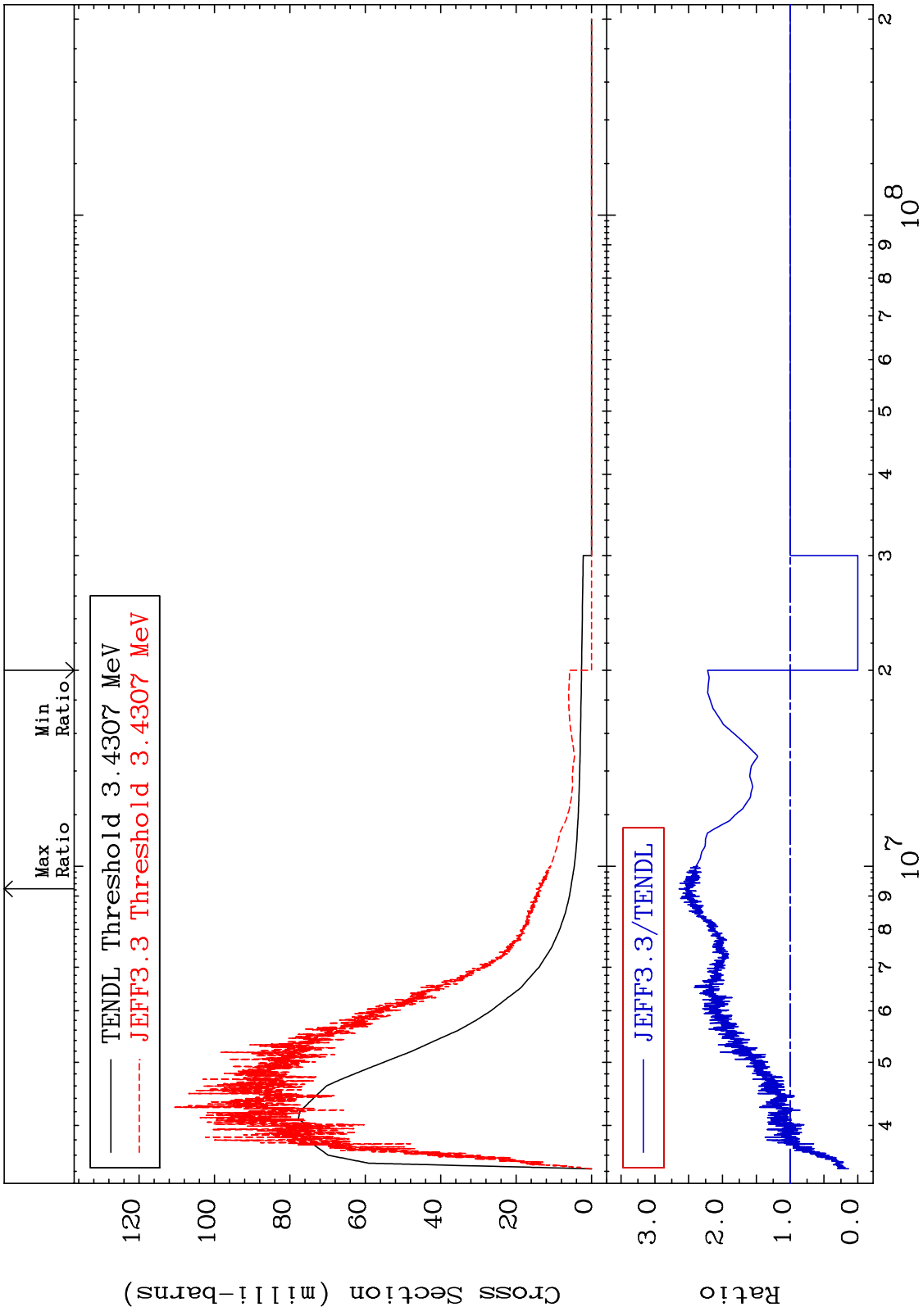


14

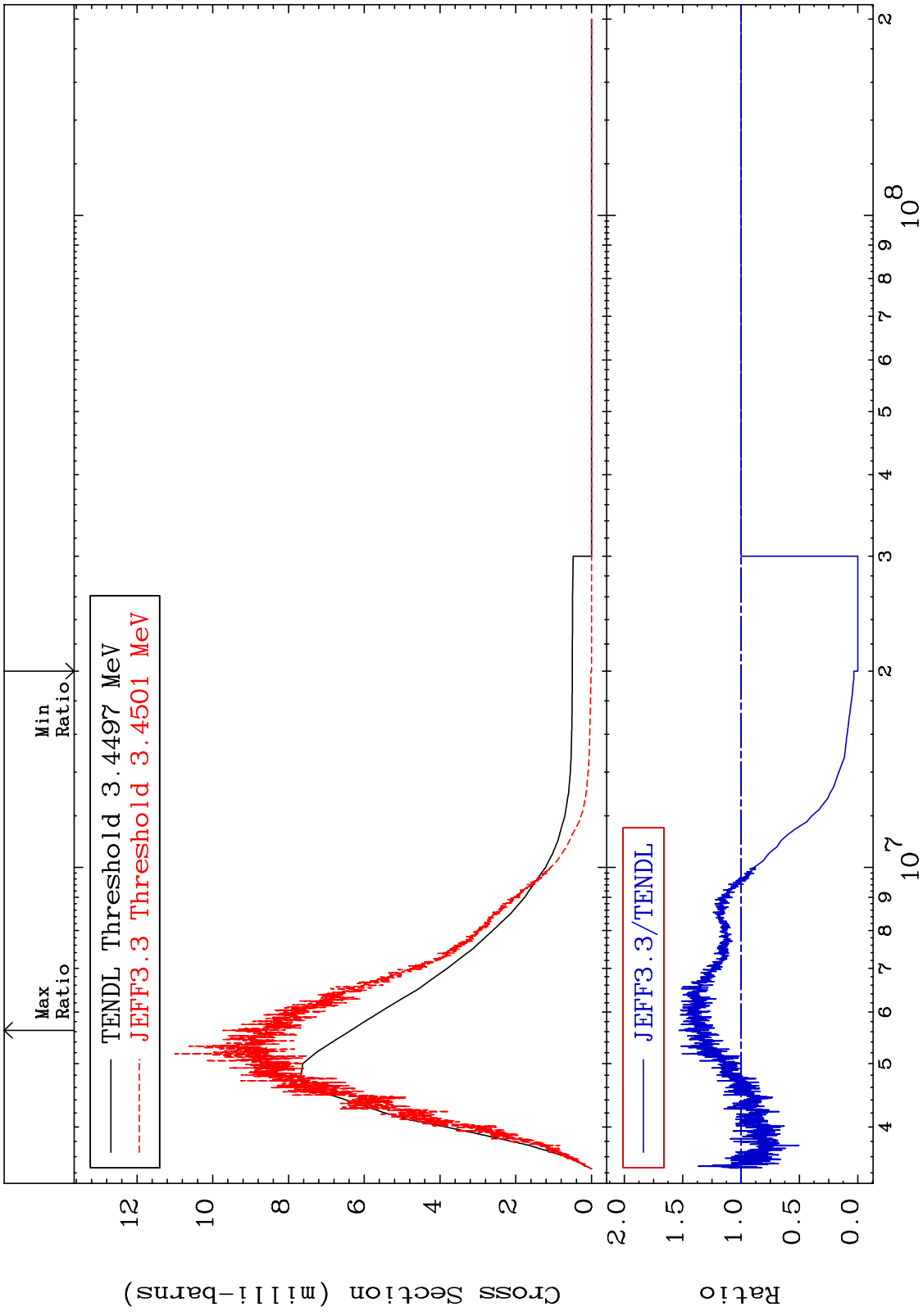
Incident Energy (eV)

26-Fe-56

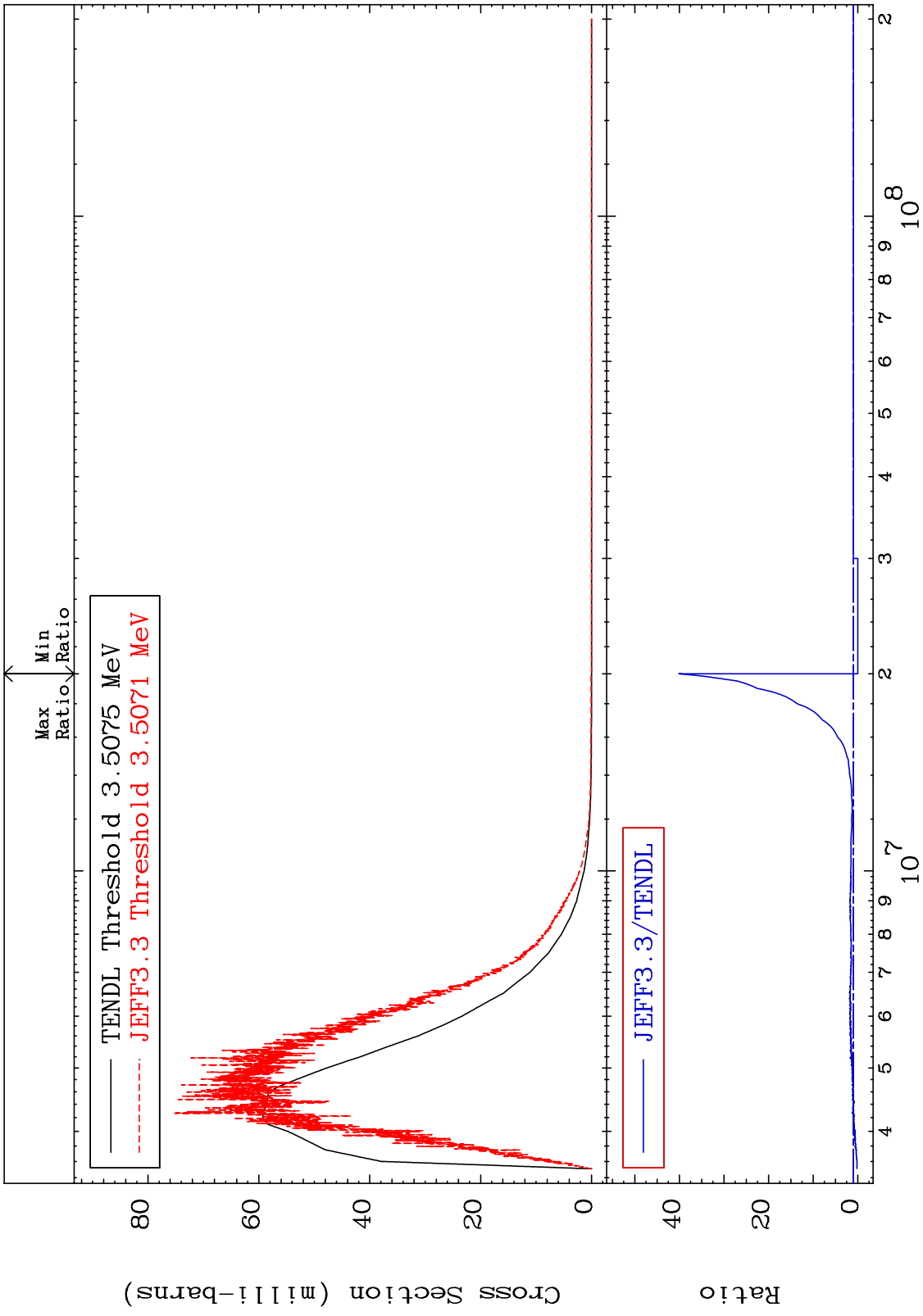
MAT 2631 MT= 58 (n,n') Level Cross Section -100.0 To 164.2 % 26-Fe-56



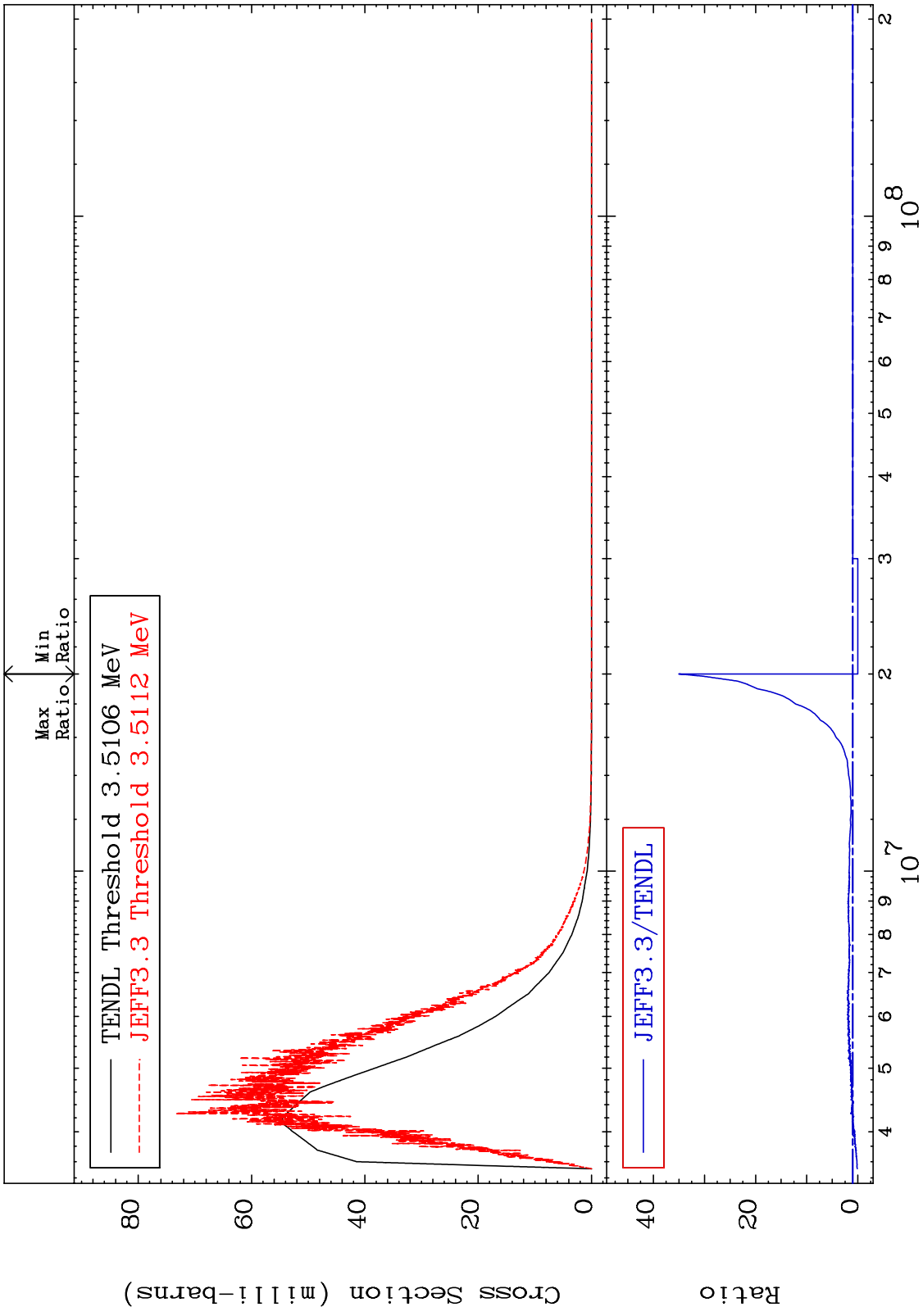
MAT 2631 MT= 59 (n,n') Level Cross Section -100.0 To 53.13 % 26-Fe-56



MAT 2631 MT= 60 (n,n') Level Cross Section -100.0 To 3909. % 26-Fe-56

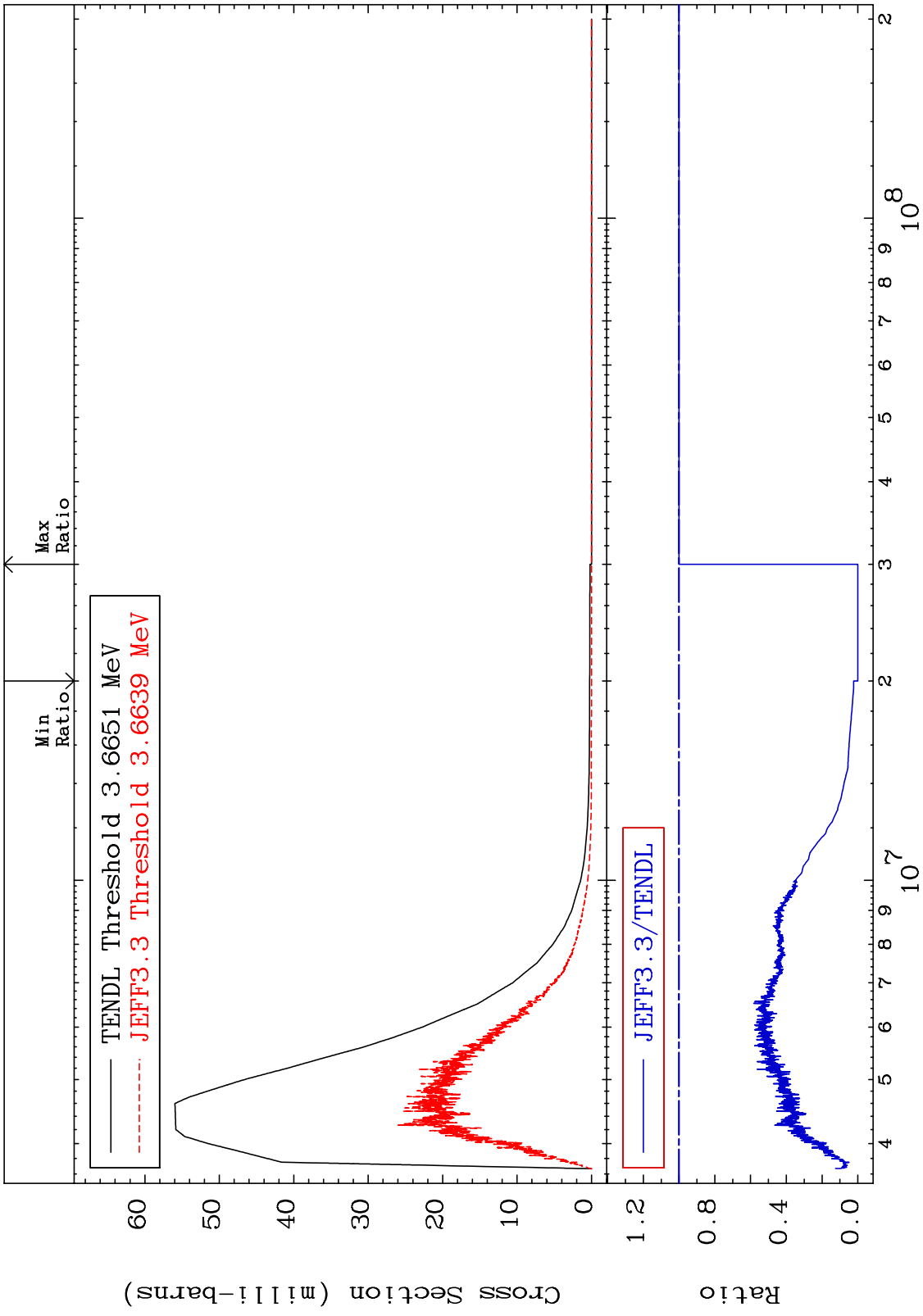


MAT 2631 MT= 61 (n,n') Level Cross Section -100.0 To 3398. % 26-Fe-56

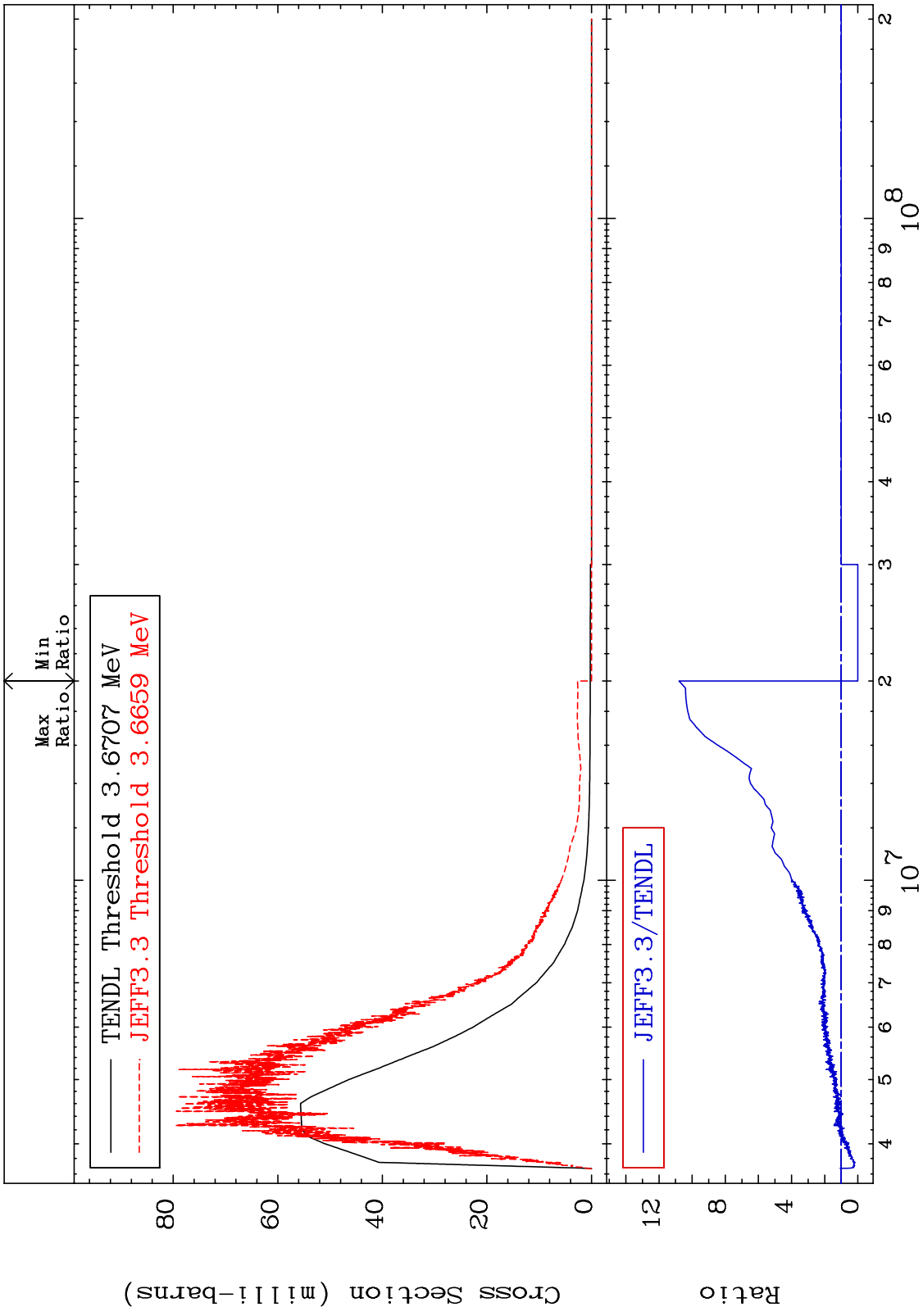


18 Incident Energy (eV) 26-Fe-56

MAT 2631 MT= 62 (n,n') Level Cross Section 26-Fe-56
 -100.0 To 0.000 %

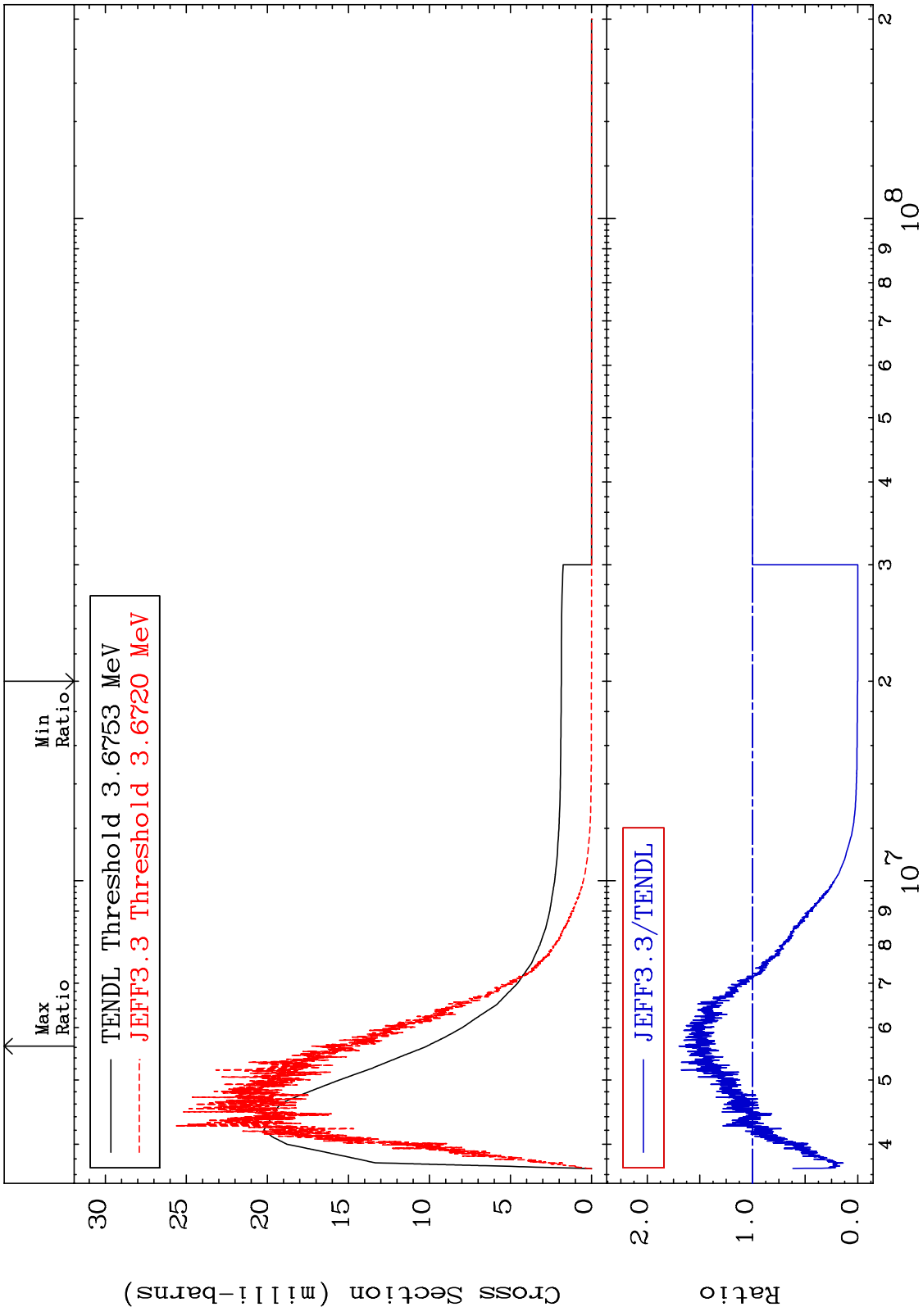


MAT 2631 MT= 63 (n,n') Level Cross Section -100.0 To 978.9 % 26-Fe-56

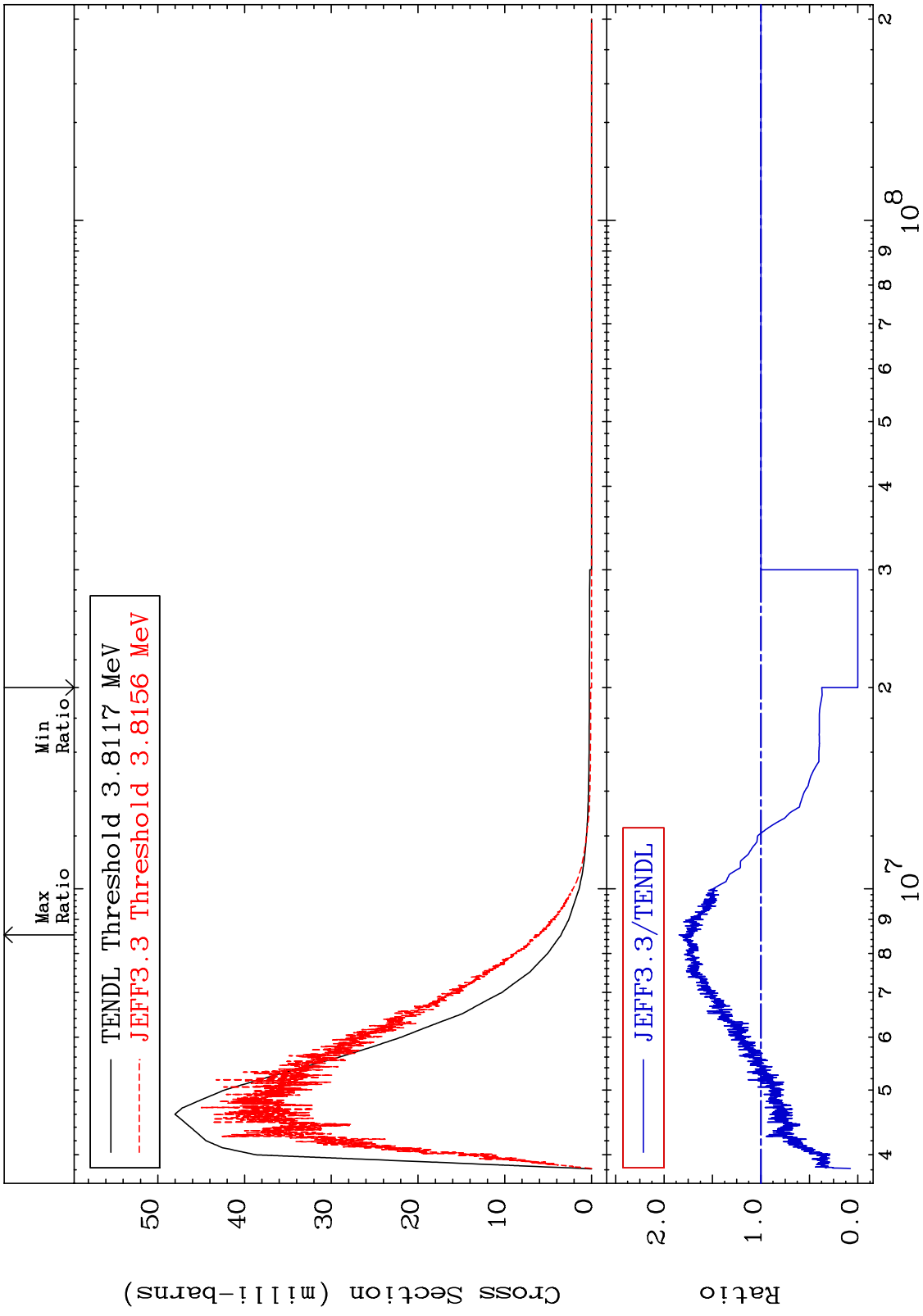


20 Incident Energy (eV) 26-Fe-56

MAT 2631 MT= 64 (n,n') Level Cross Section -100.0 To 69.75 % 26-Fe-56

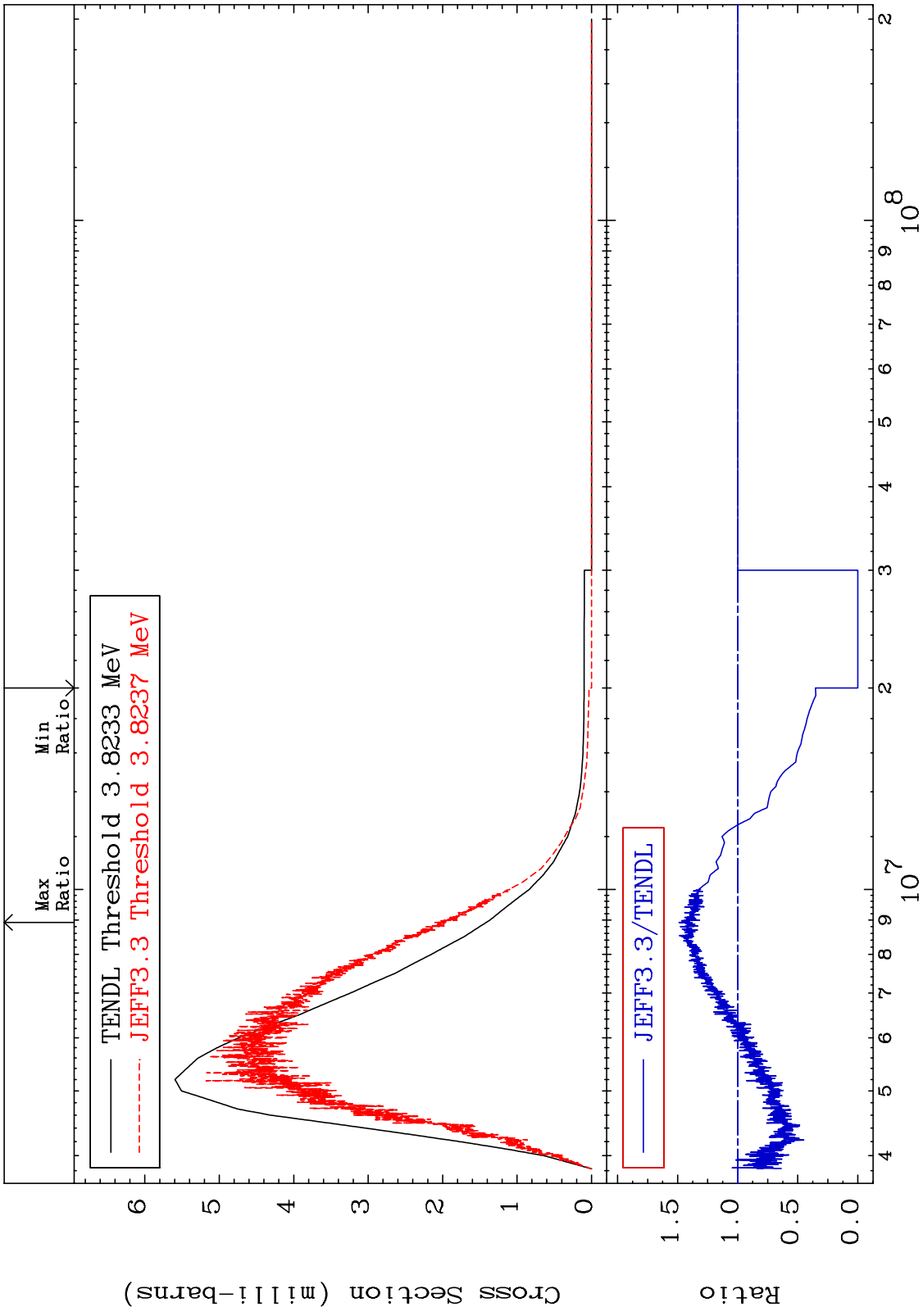


MAT 2631 MT= 65 (n,n') Level Cross Section 26-Fe-56
 -100.0 To 84.49 %

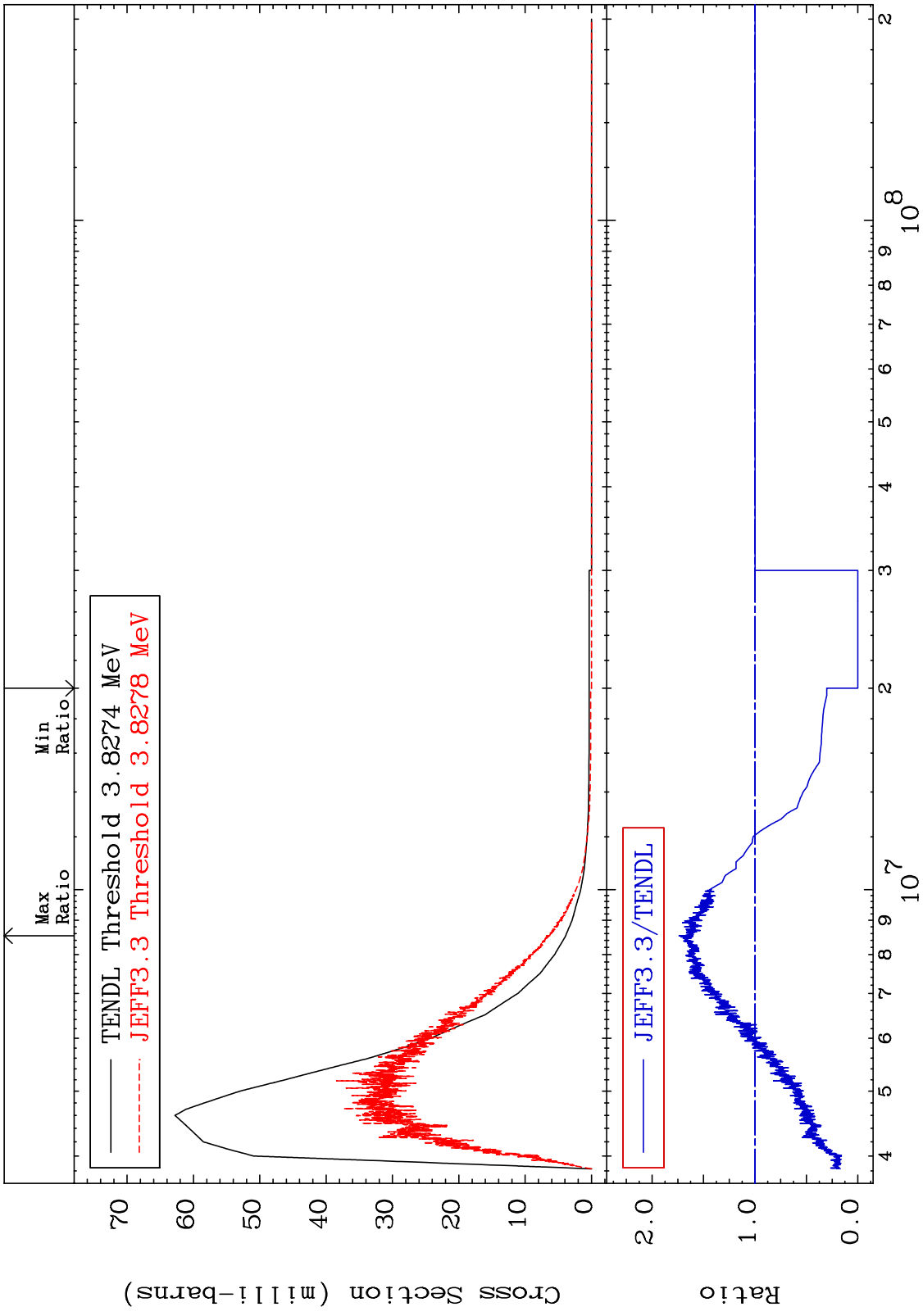


22 26-Fe-56

MAT 2631 MT= 66 (n,n') Level Cross Section 26-Fe-56
-100.0 To 48.85 %

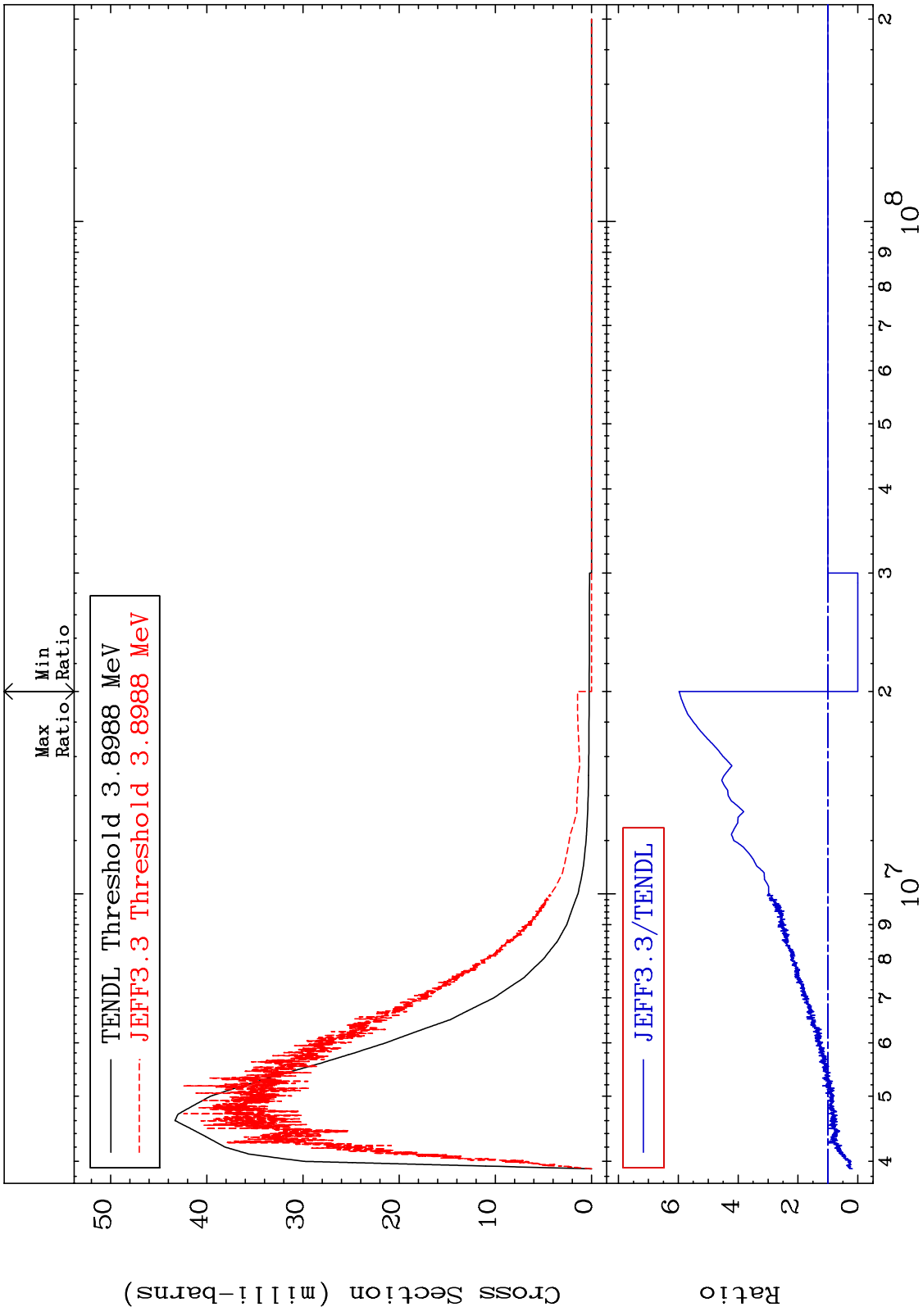


MAT 2631 MT= 67 (n,n') Level Cross Section 26-Fe-56
 -100.0 To 73.78 %



24 26-Fe-56

MAT 2631 MT= 68 (n,n') Level Cross Section -100.0 To 497.5 % 26-Fe-56

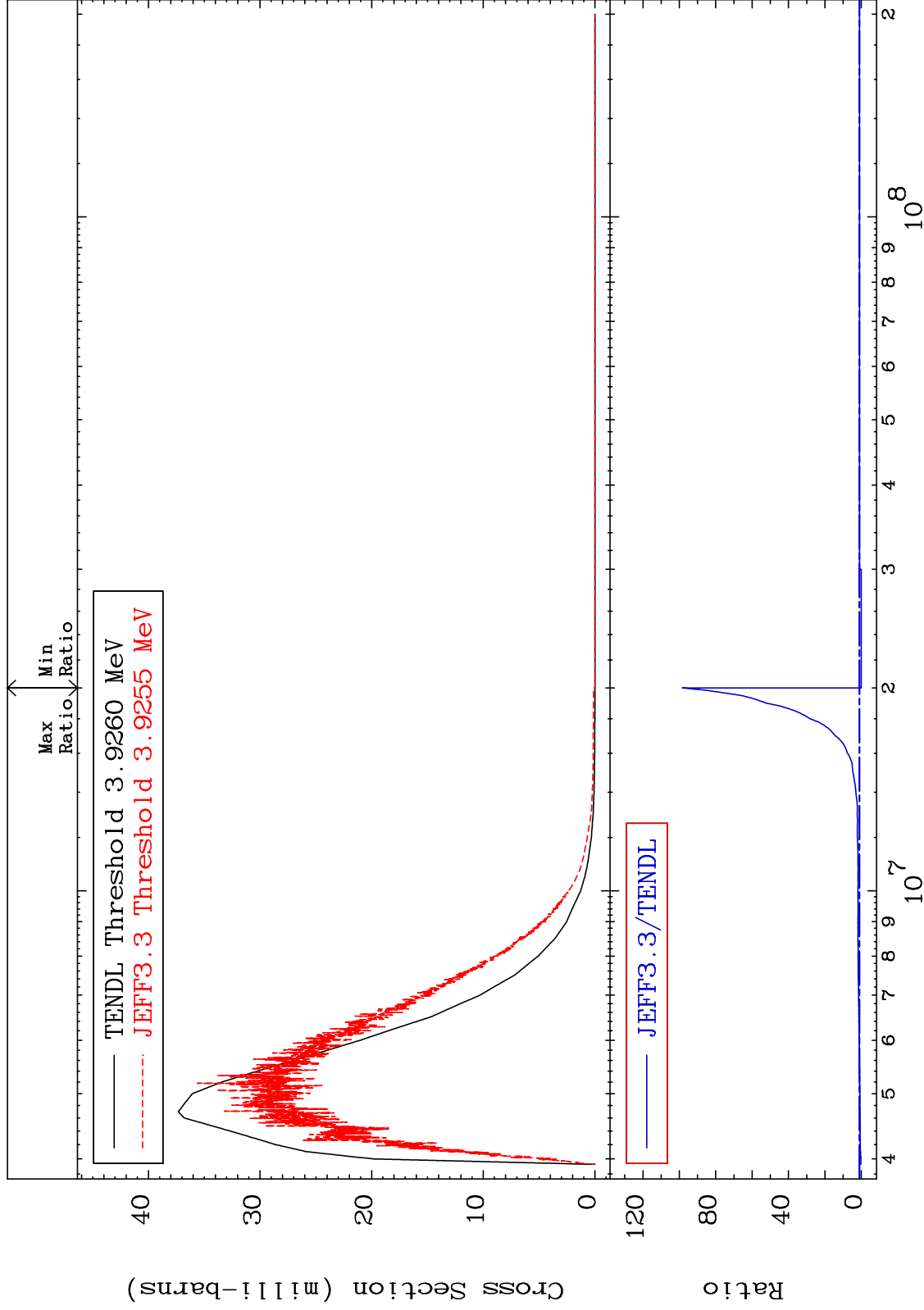


25 26-Fe-56

MAT 2631

MT= 69 (n,n') Level
Cross Section

26-Fe-56
-100.0 To 9728. %

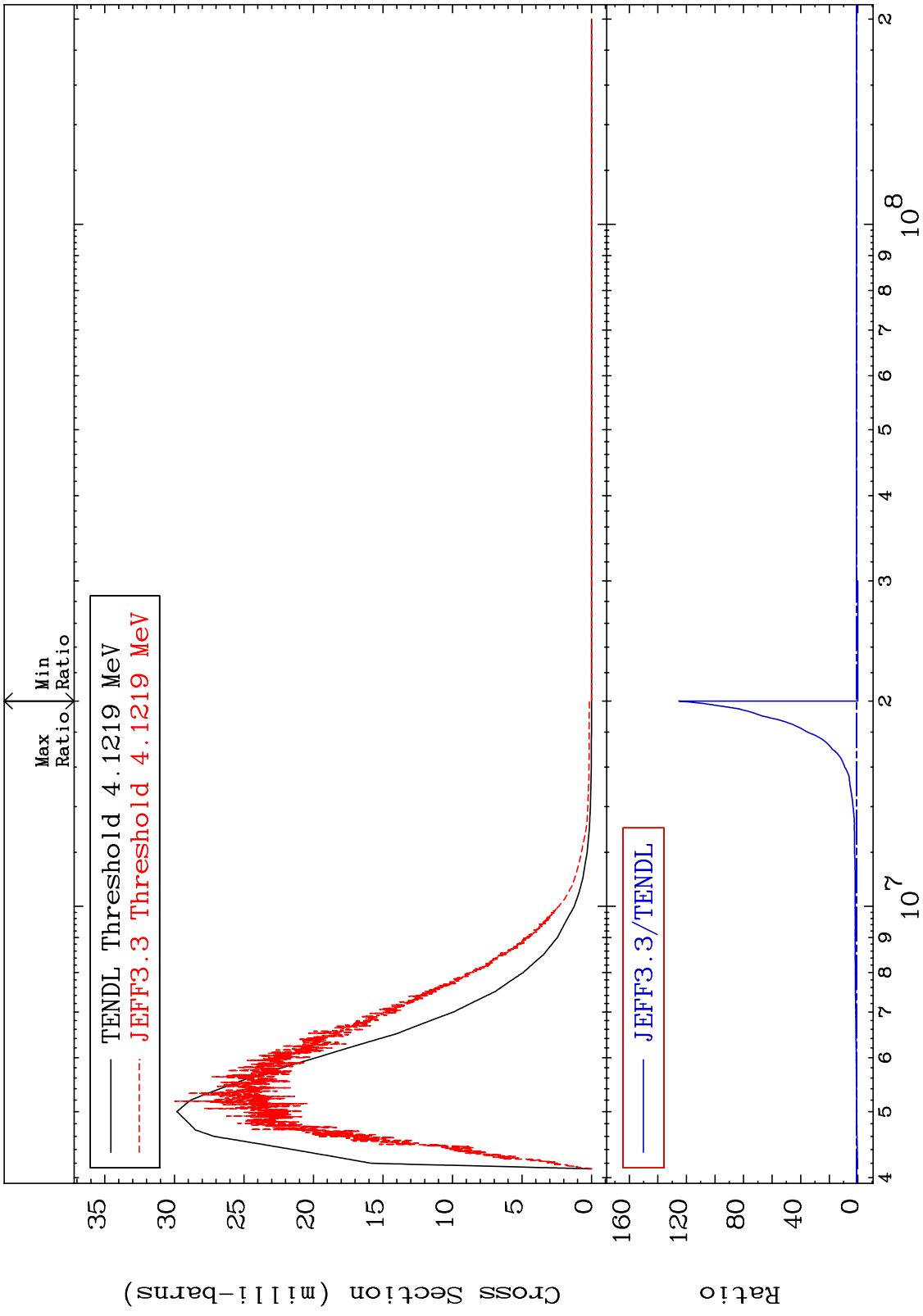


26

Incident Energy (eV)

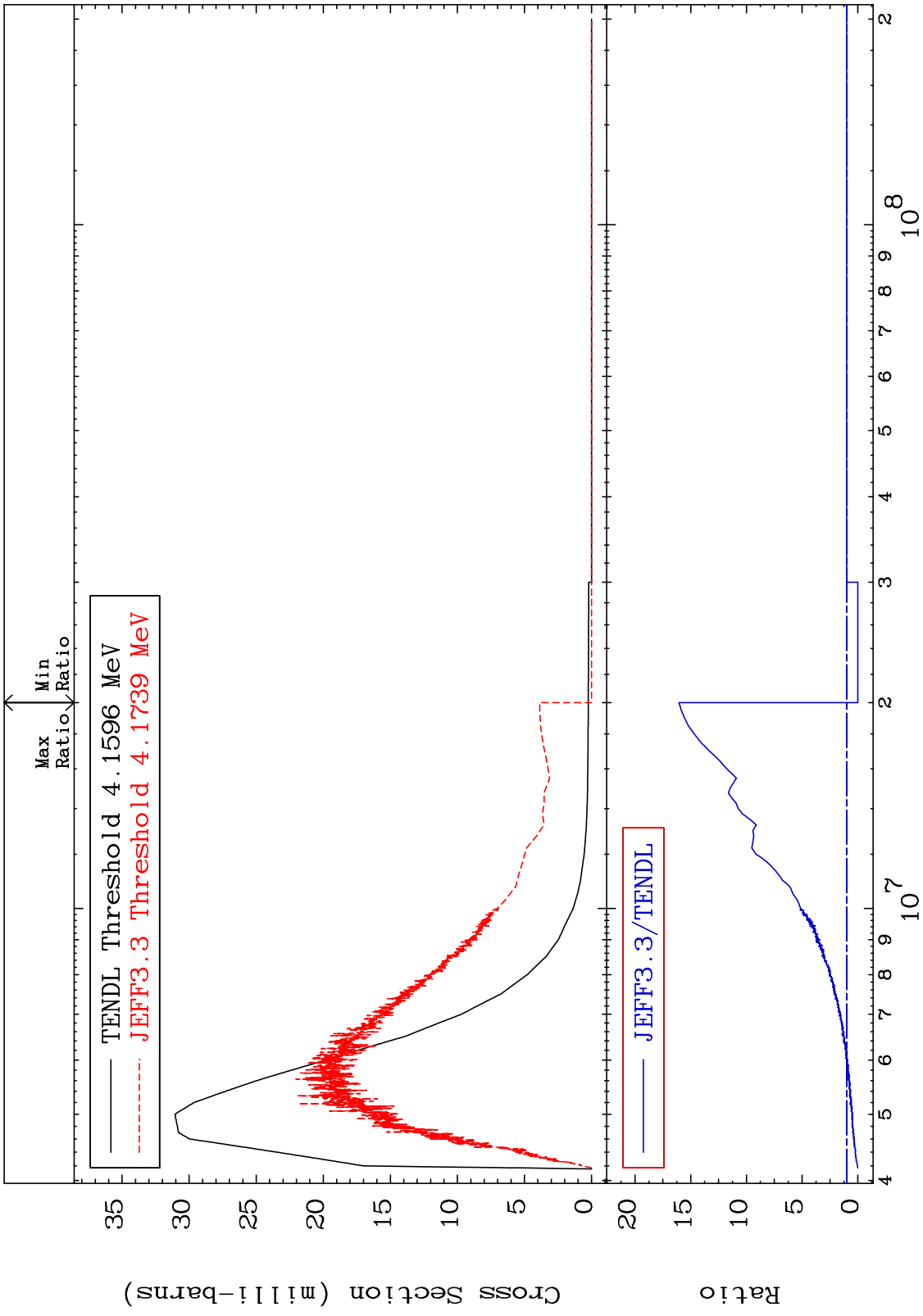
26-Fe-56

MAT 2631 MT= 70 (n,n') Level Cross Section -100.0 To 9999. % 26-Fe-56

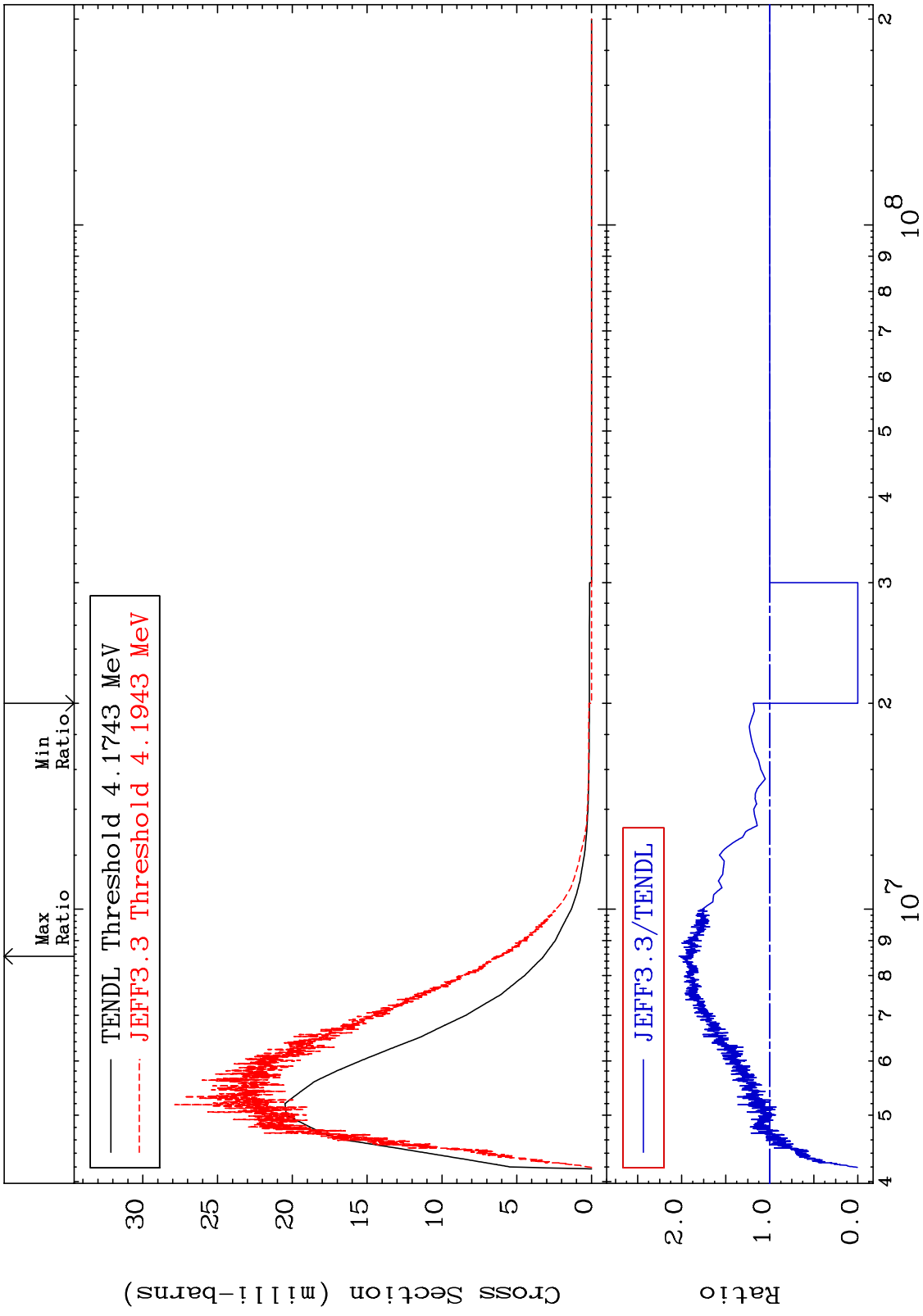


27 Incident Energy (eV) 26-Fe-56

MAT 2631 MT= 71 (n,n') Level Cross Section -100.0 To 1505. % 26-Fe-56



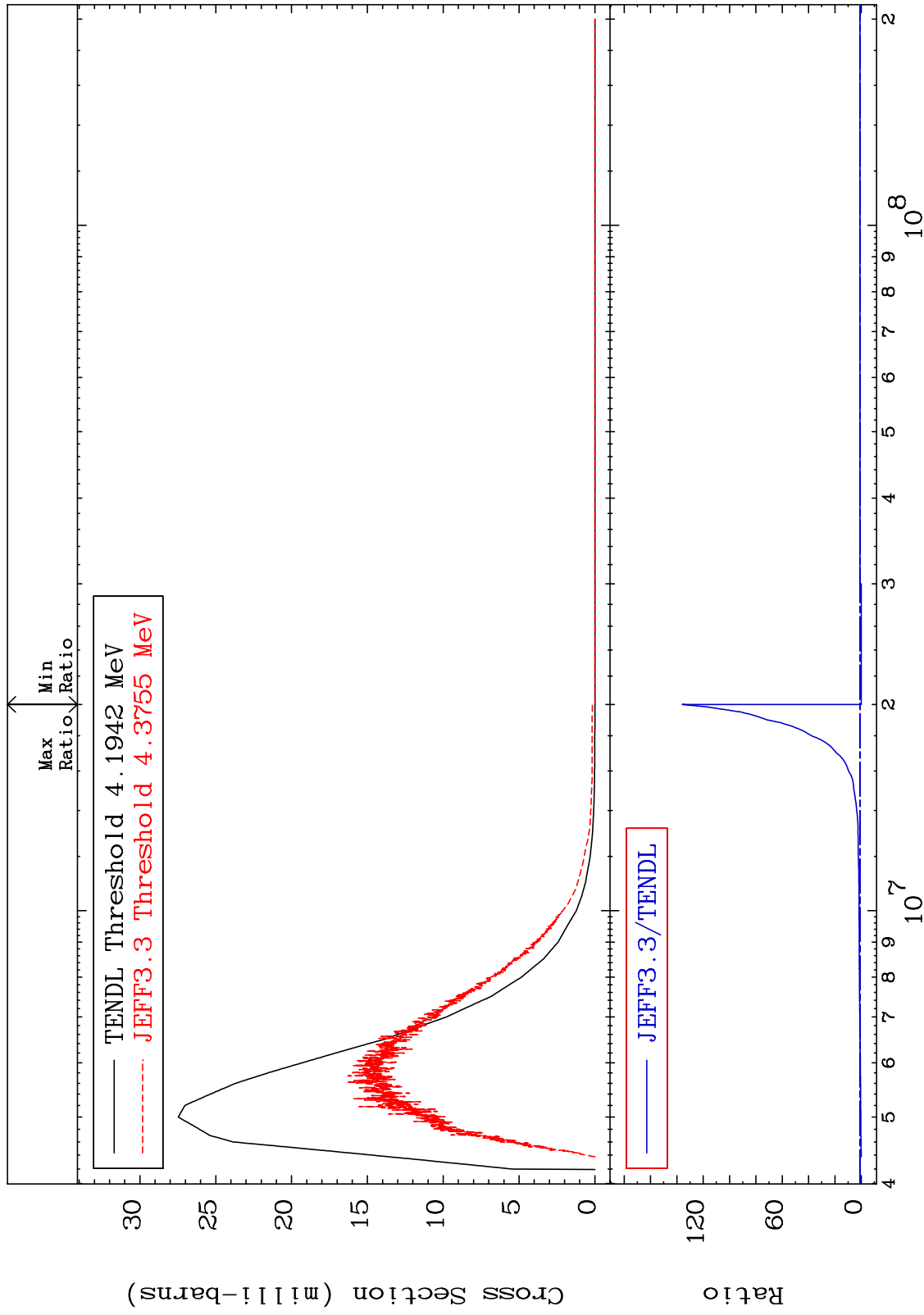
MAT 2631 MT= 72 (n,n') Level Cross Section 26-Fe-56
 -100.0 To 103.0 %



MAT 2631

MT= 73 (n,n') Level
Cross Section

26-Fe-56
-100.0 To 9999. %

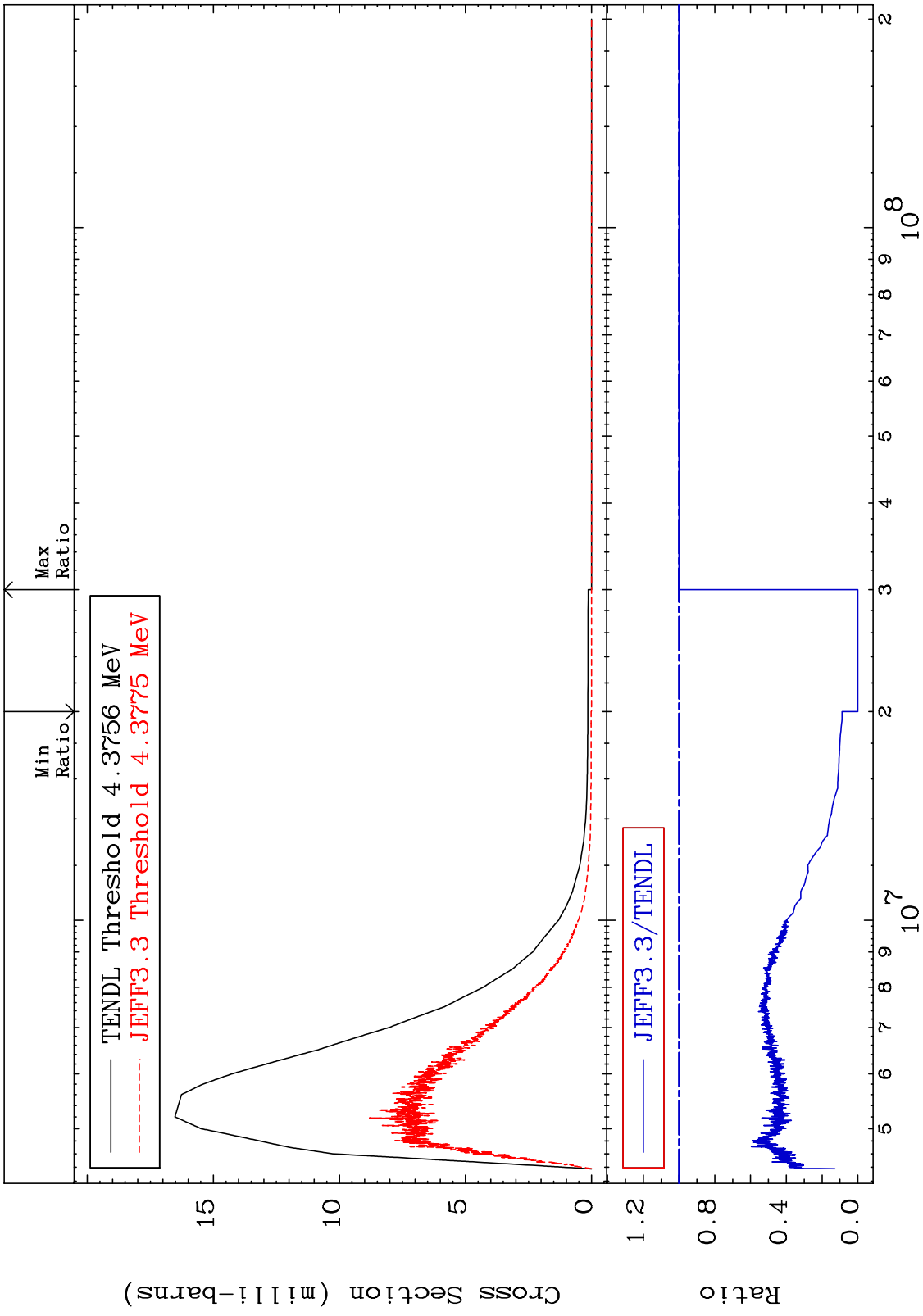


30

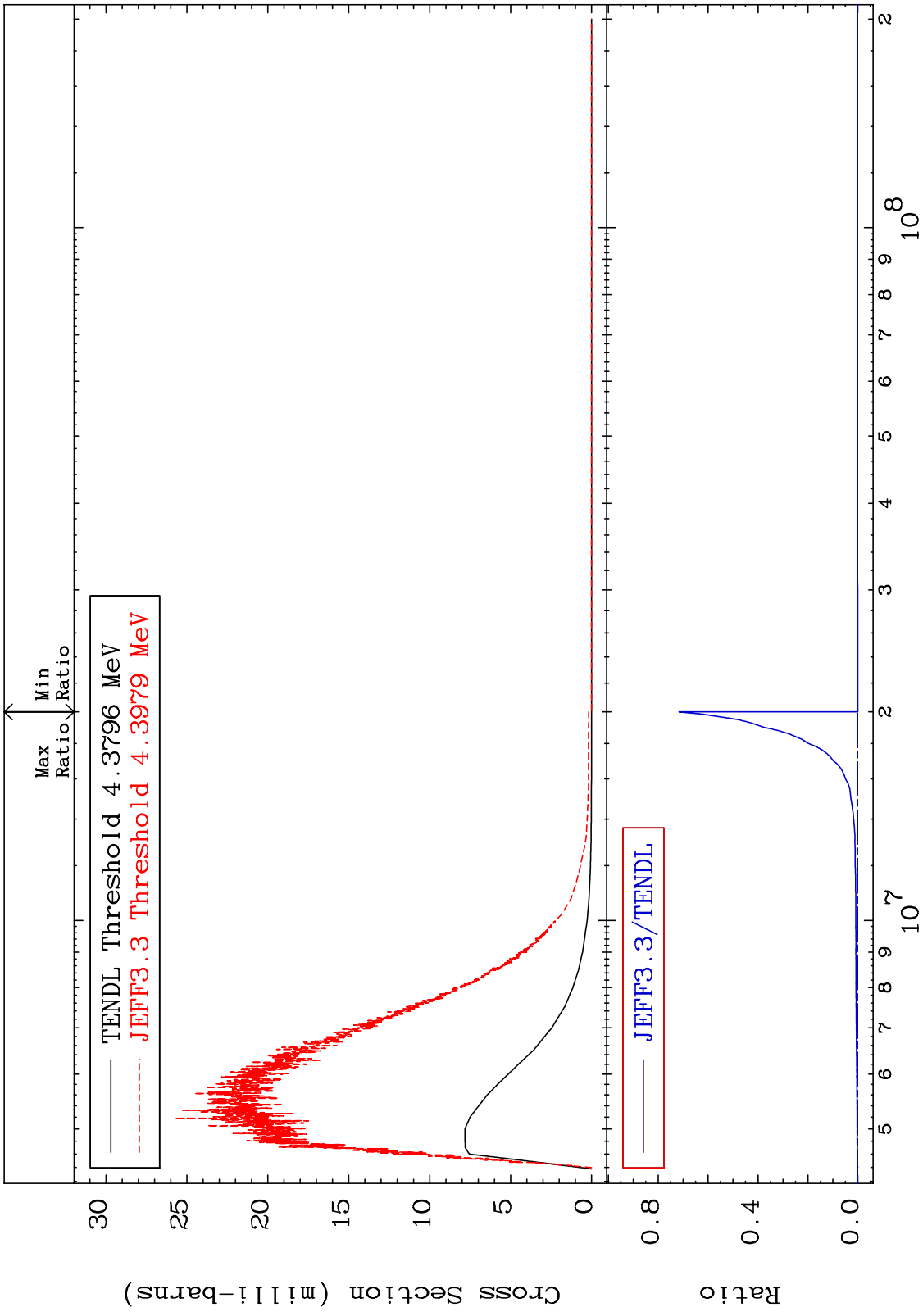
Incident Energy (eV)

26-Fe-56

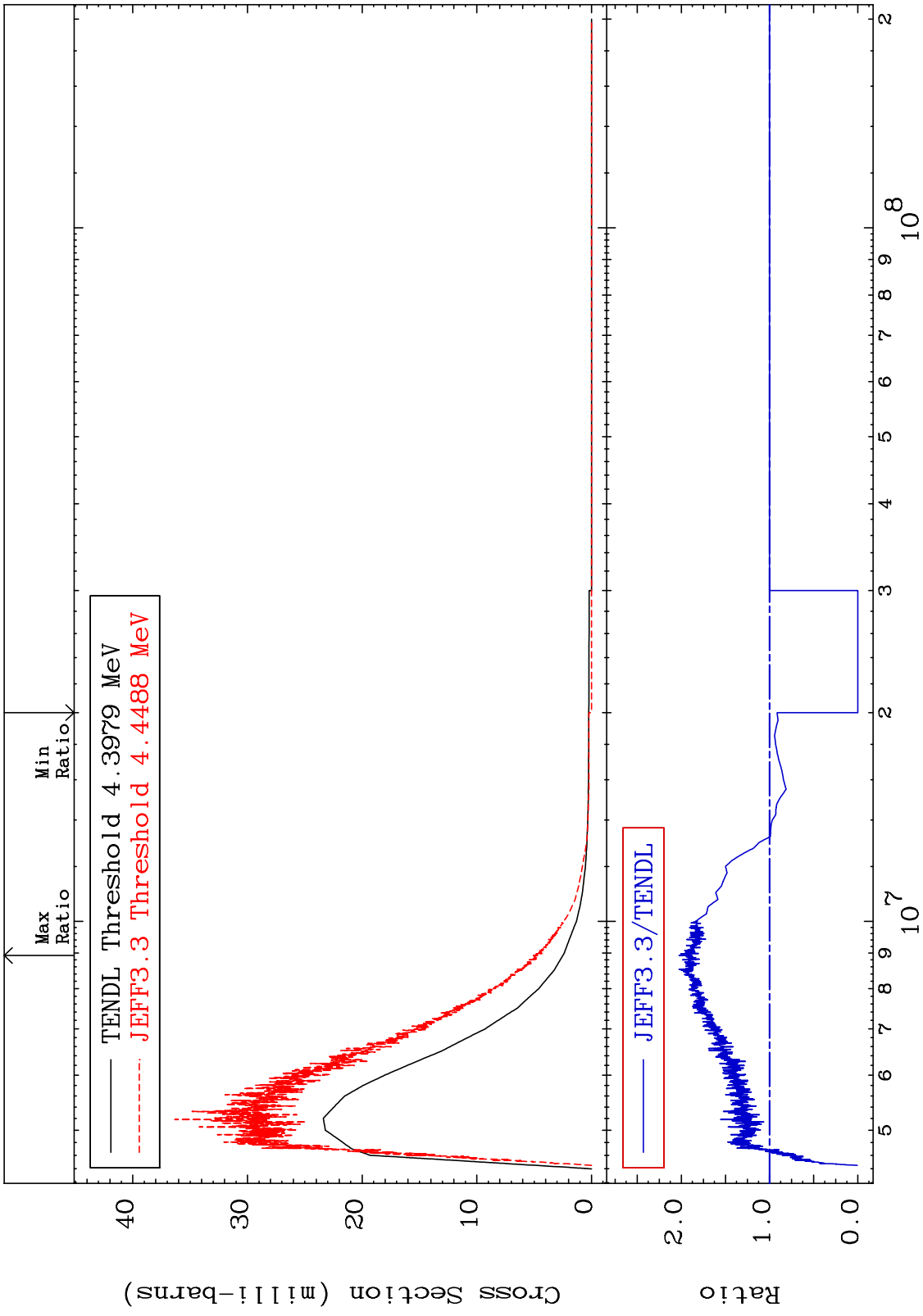
MAT 2631 MT= 74 (n,n') Level Cross Section -100.0 To 0.000 % 26-Fe-56



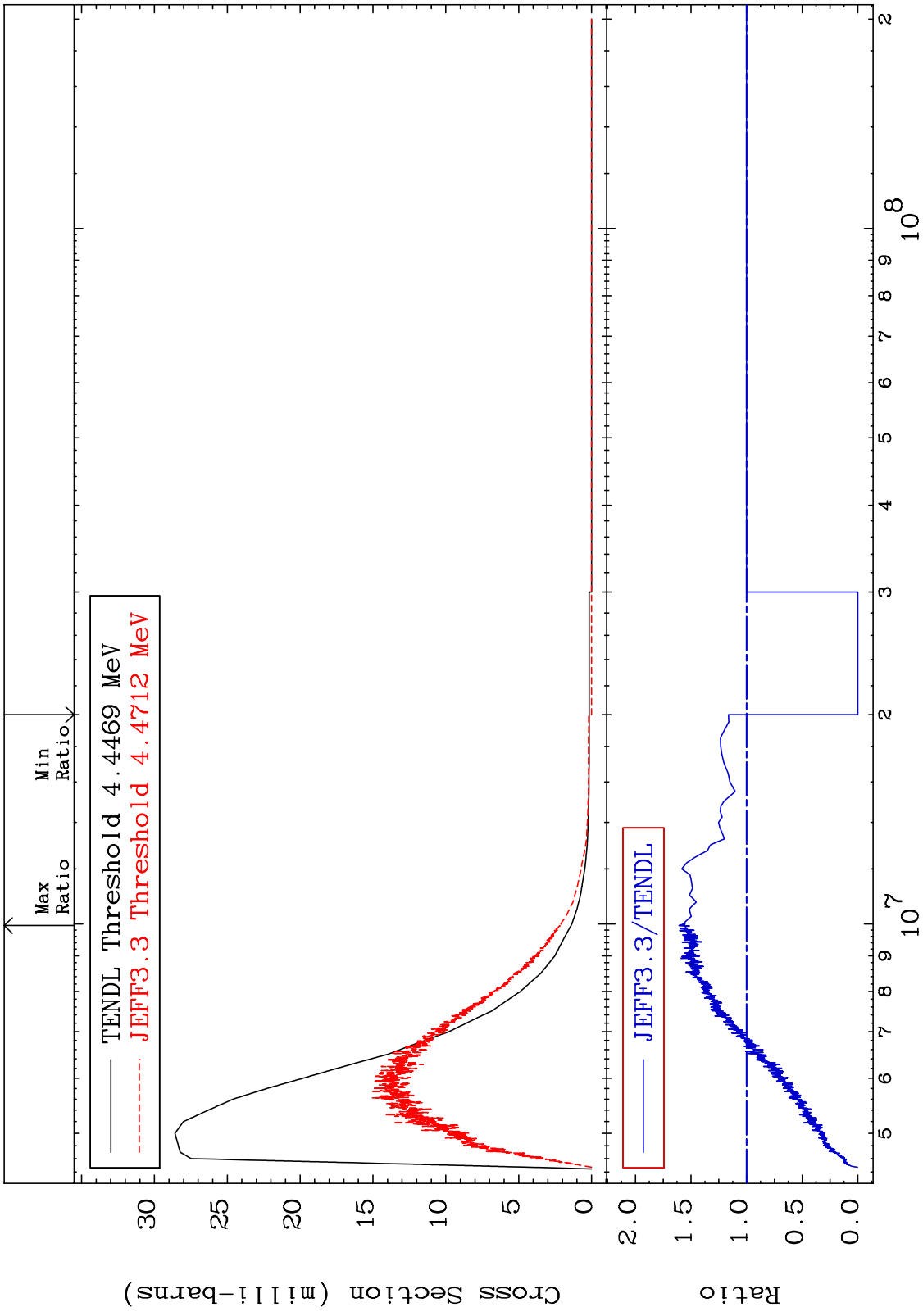
MAT 2631 MT= 75 (n,n') Level Cross Section -100.0 To 9999. % 26-Fe-56



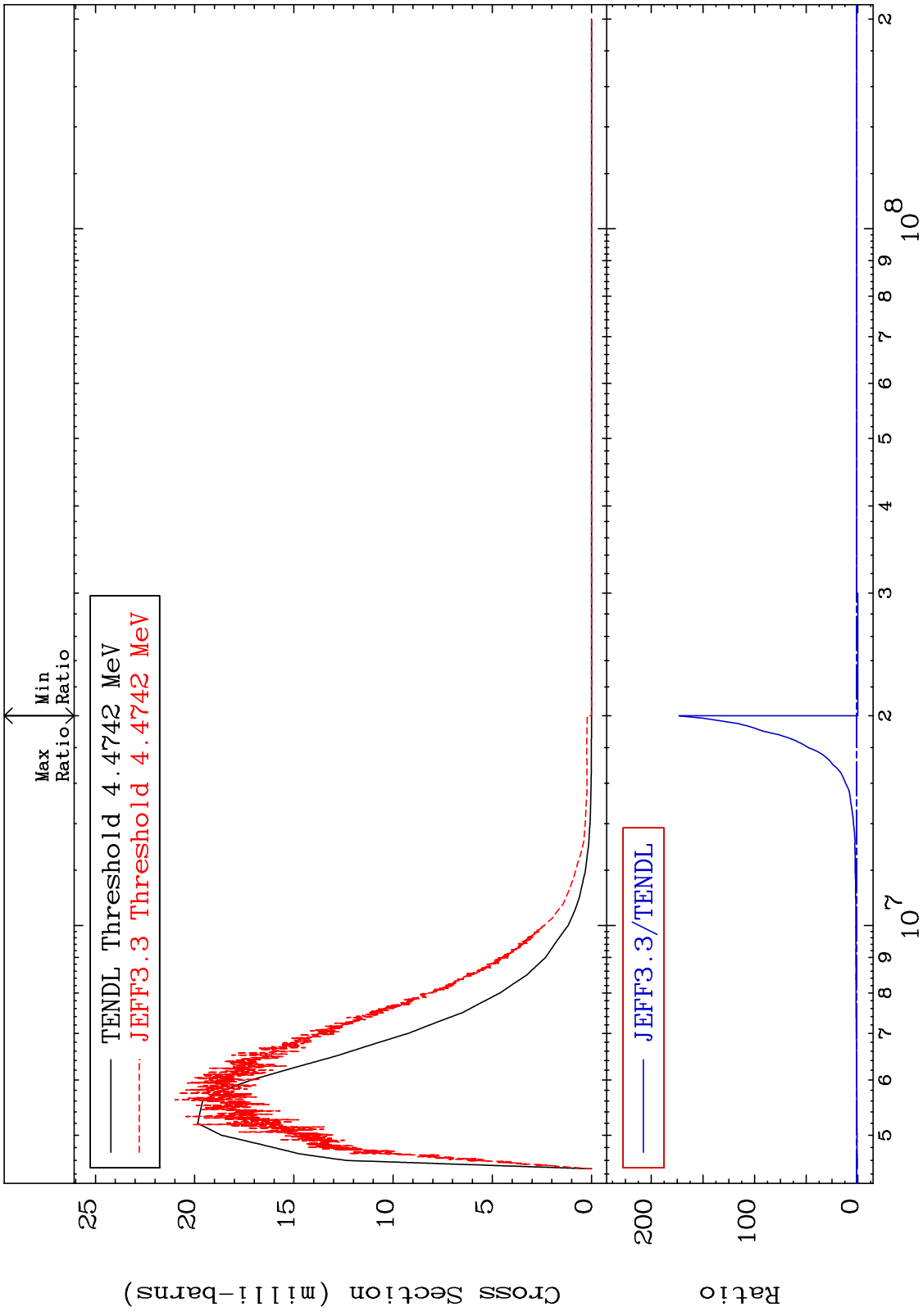
MAT 2631 MT= 76 (n,n') Level Cross Section 26-Fe-56
 -100.0 To 102.6 %



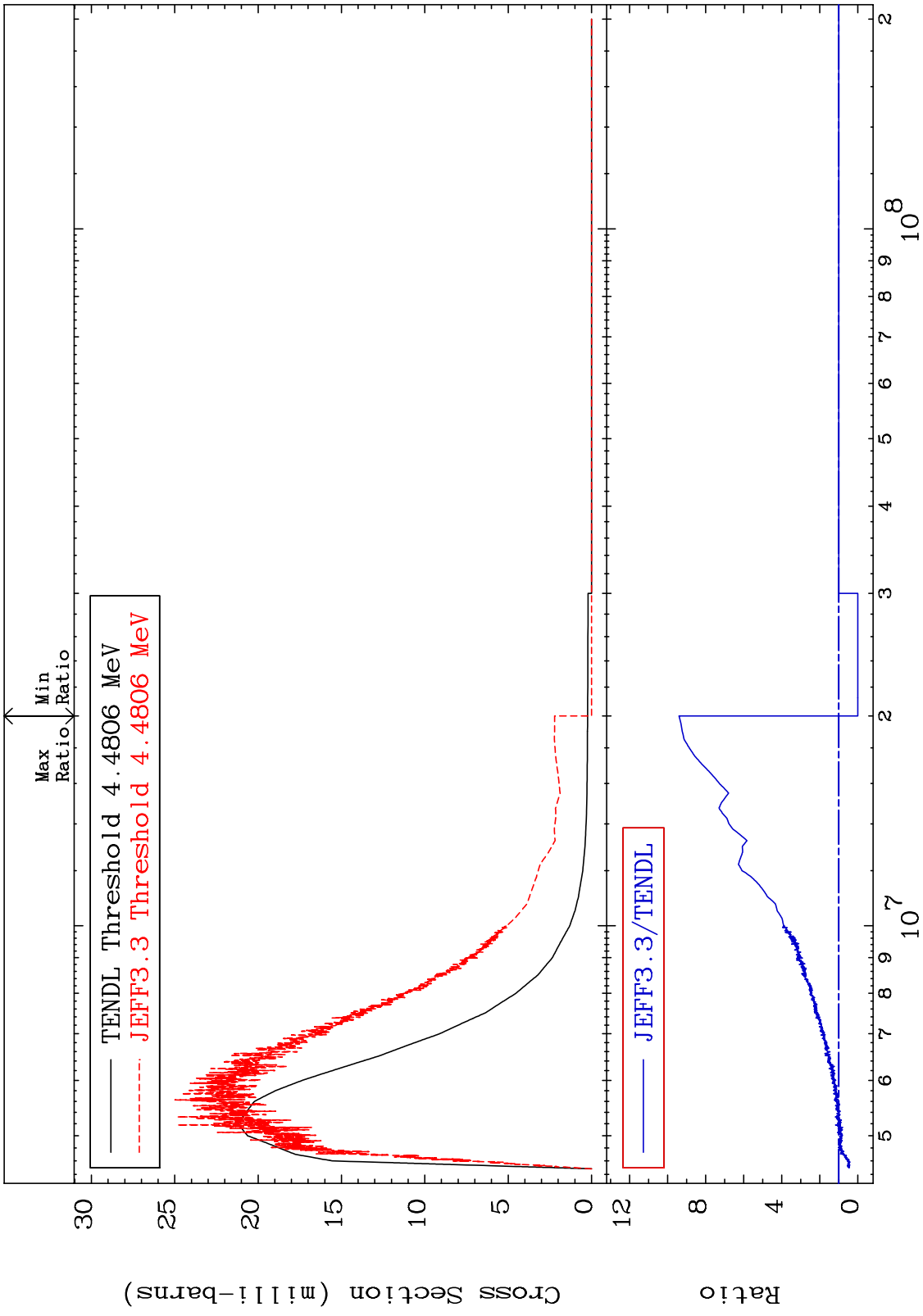
MAT 2631 MT= 77 (n,n') Level Cross Section -100.0 To 60.76 % 26-Fe-56



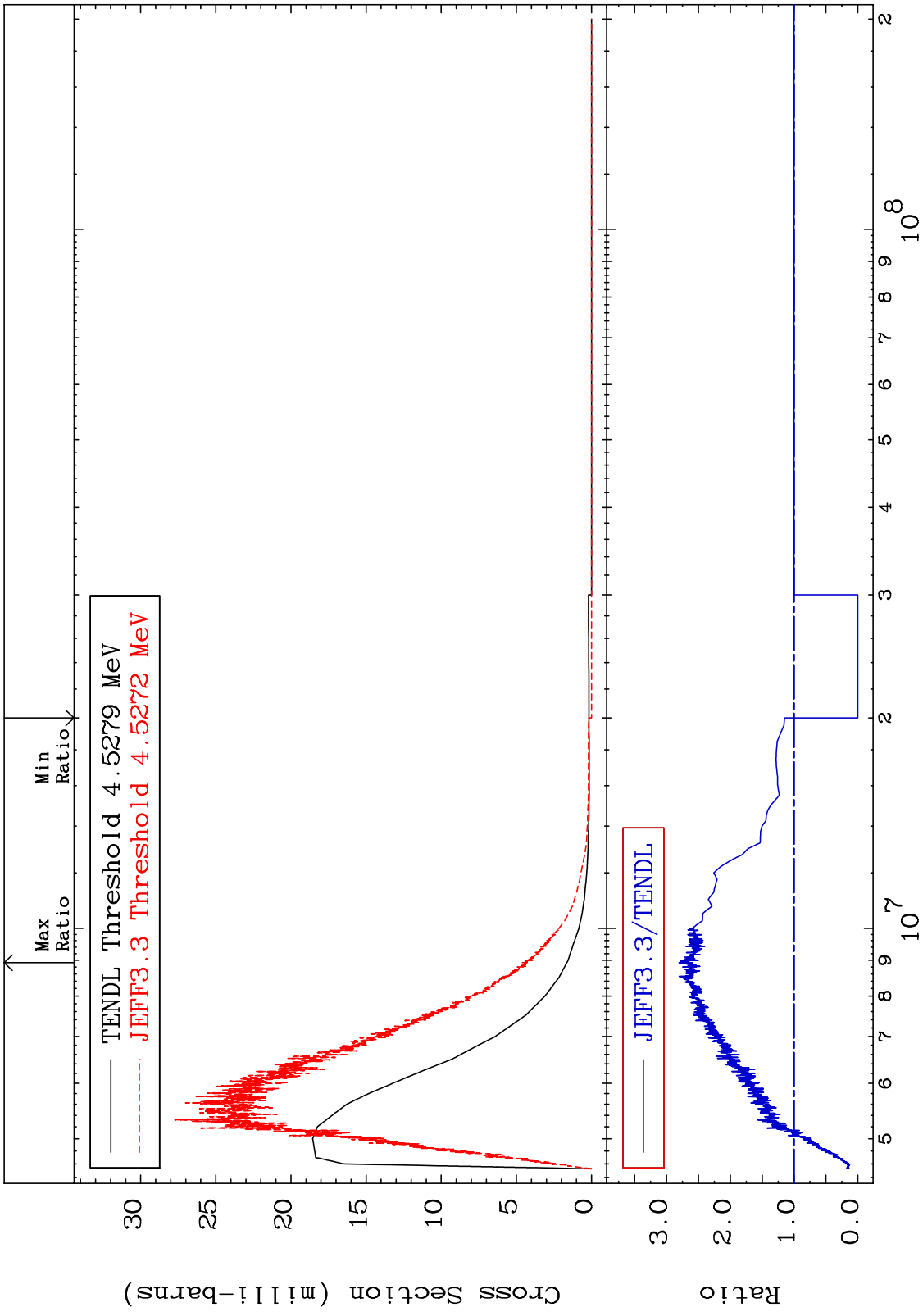
MAT 2631 MT= 78 (n,n') Level Cross Section -100.0 To 9999. % 26-Fe-56



MAT 2631 MT= 79 (n,n') Level Cross Section -100.0 To 839.7 % 26-Fe-56



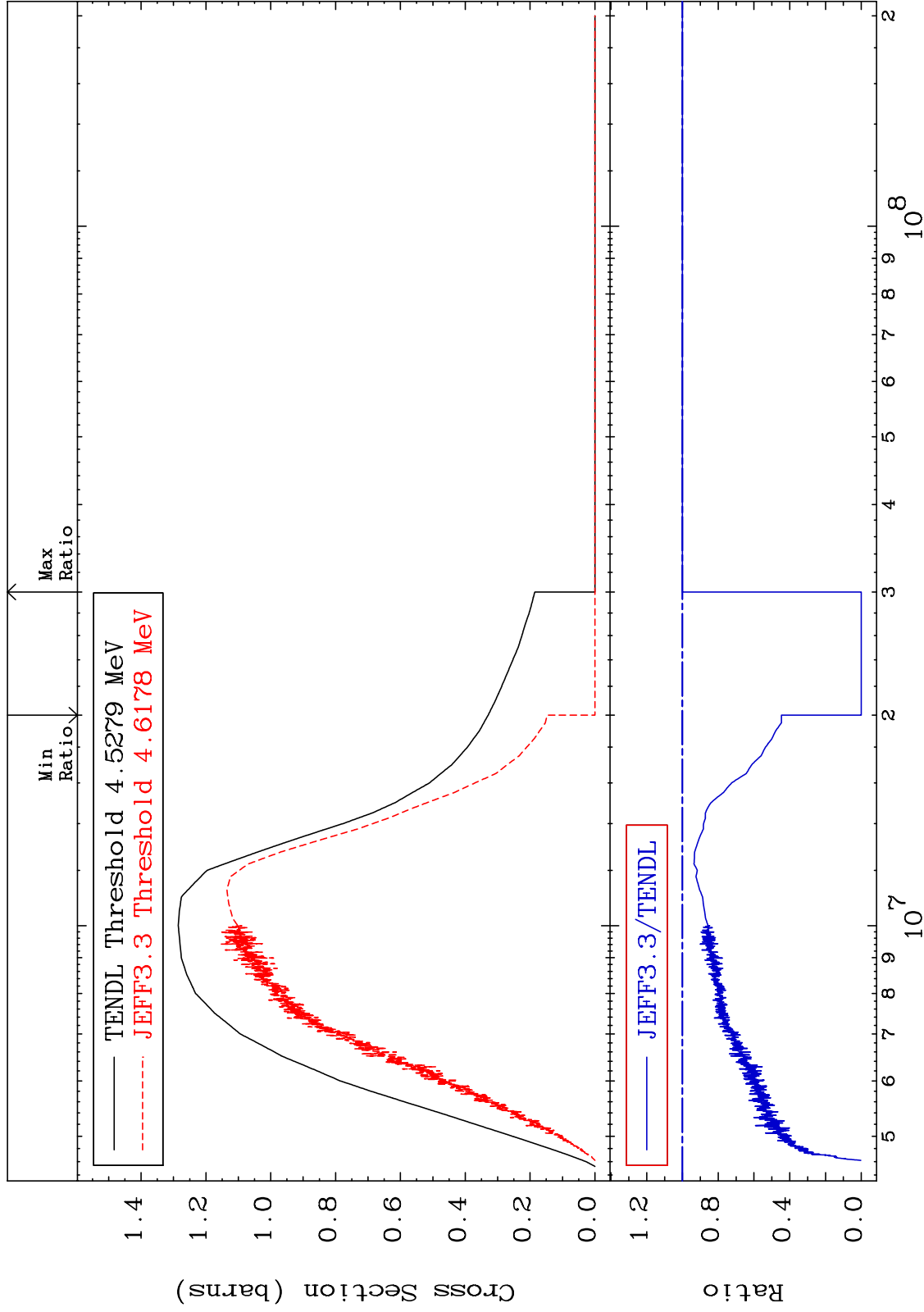
MAT 2631 MT= 80 (n,n') Level Cross Section -100.0 To 180.3 % 26-Fe-56



MAT 2631

(n, n') Continuum
Cross Section

26-Fe-56
-100.0 To 0.000 %



38

Incident Energy (eV)

26-Fe-56

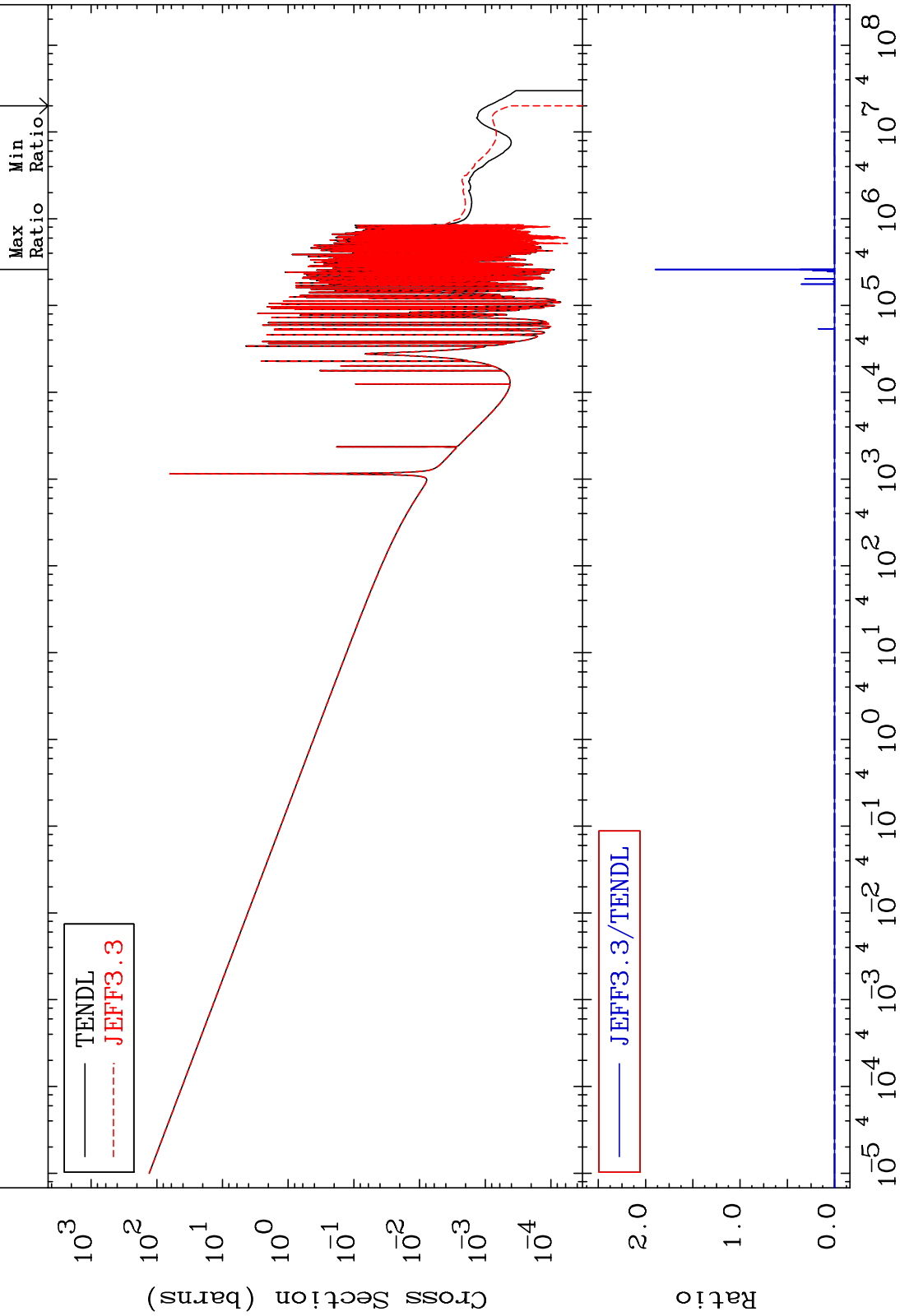
MAT 2631

(n, γ)

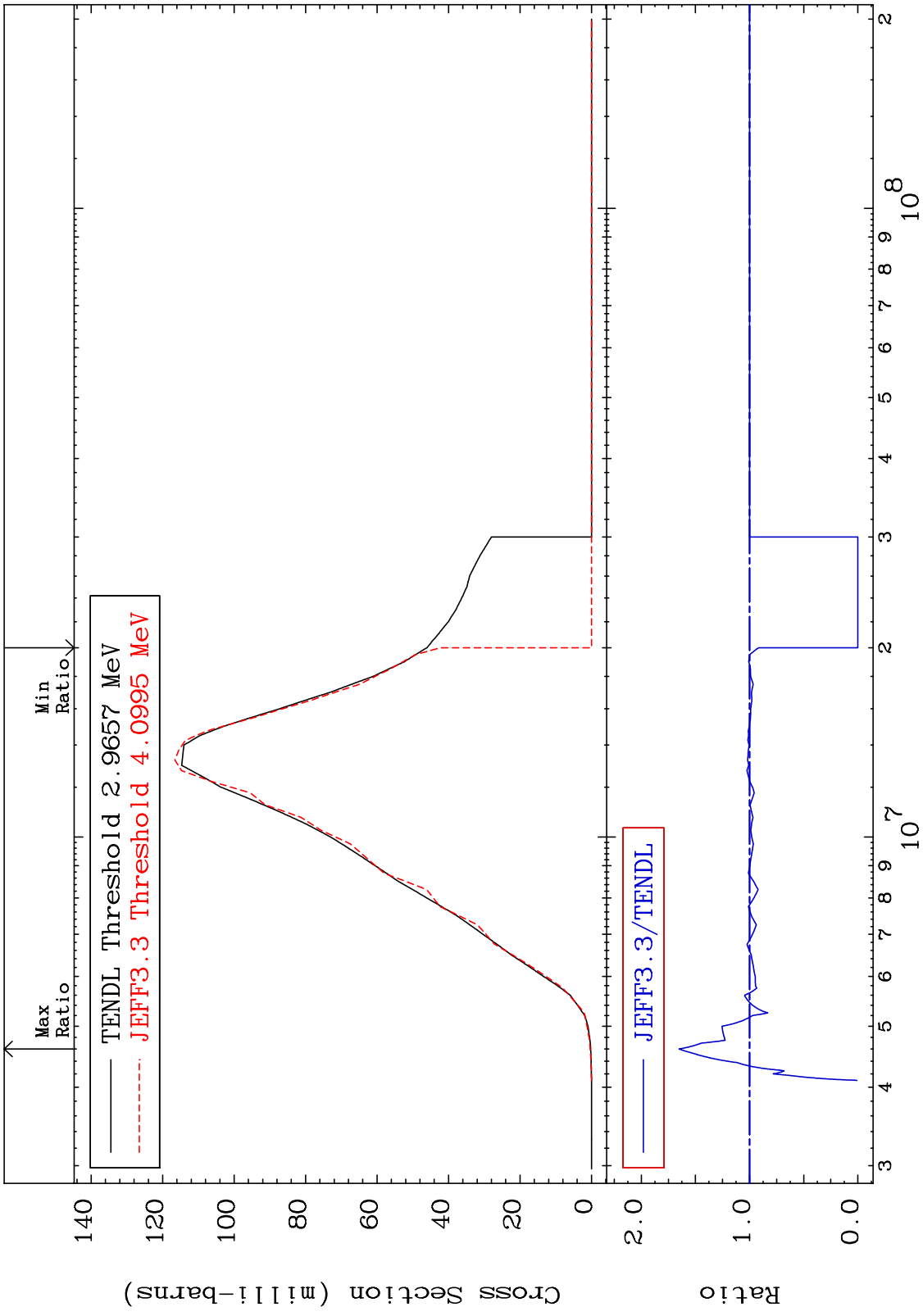
26-Fe-56

Cross Section

-100.0 To 9999. %

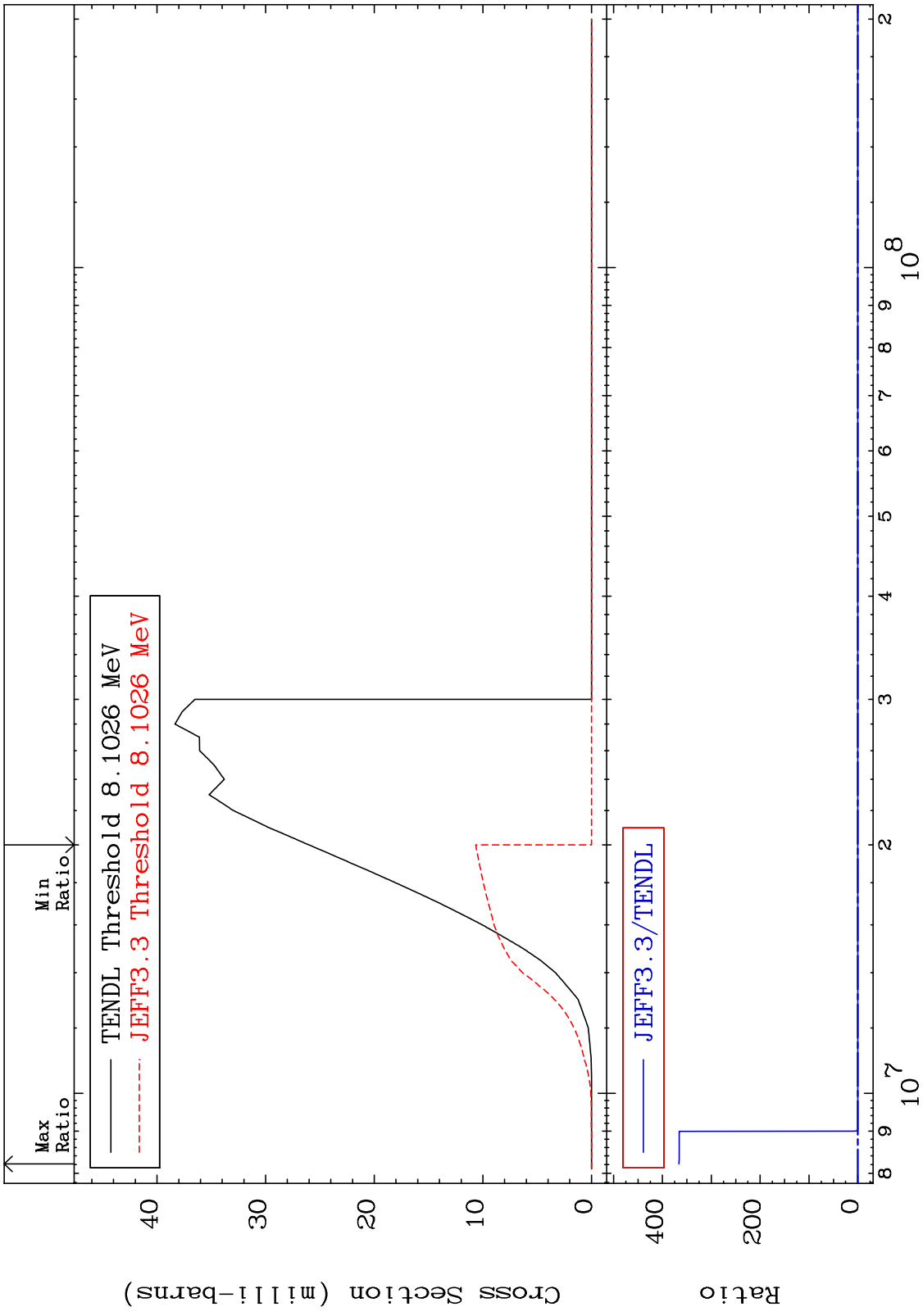


MAT 2631 (n,p) Cross Section 26-Fe-56 -100.0 To 65.16 %

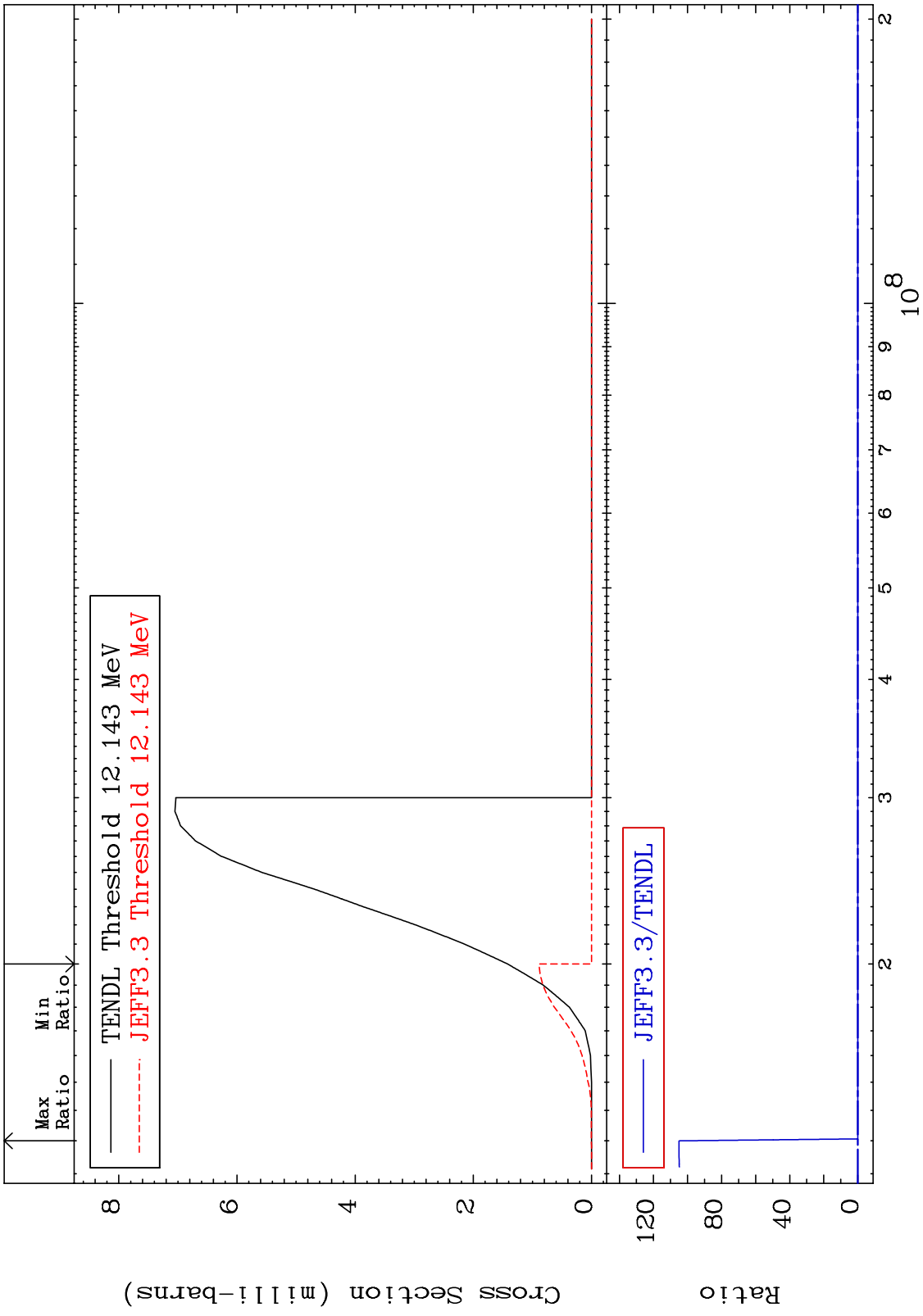


40 Incident Energy (eV) 26-Fe-56

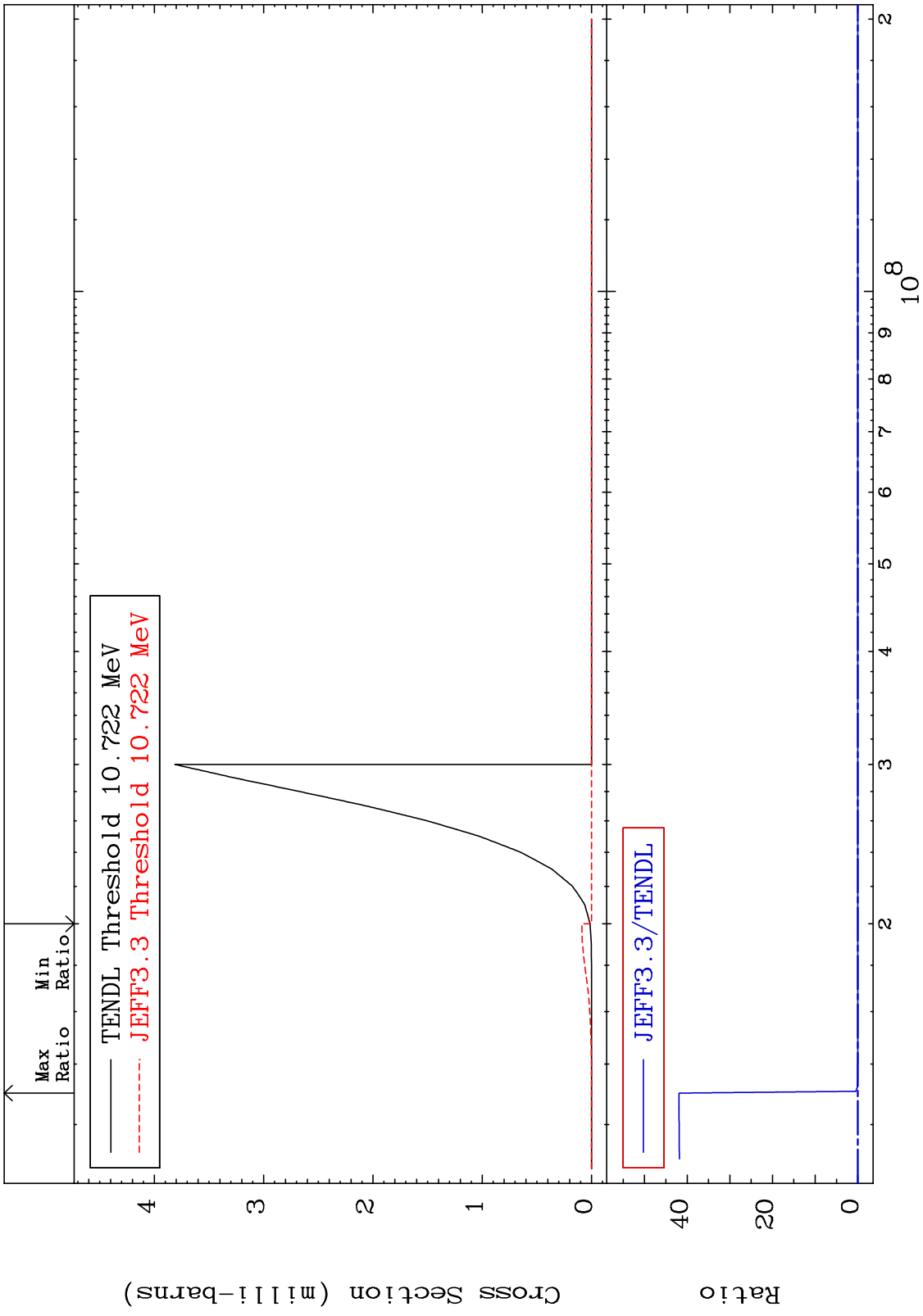
MAT 2631 (n,d) 26-Fe-56
 Cross Section -100.0 To 9999. %



MAT 2631 (n,t) 26-Fe-56
 Cross Section -100.0 To 9999. %



42 26-Fe-56

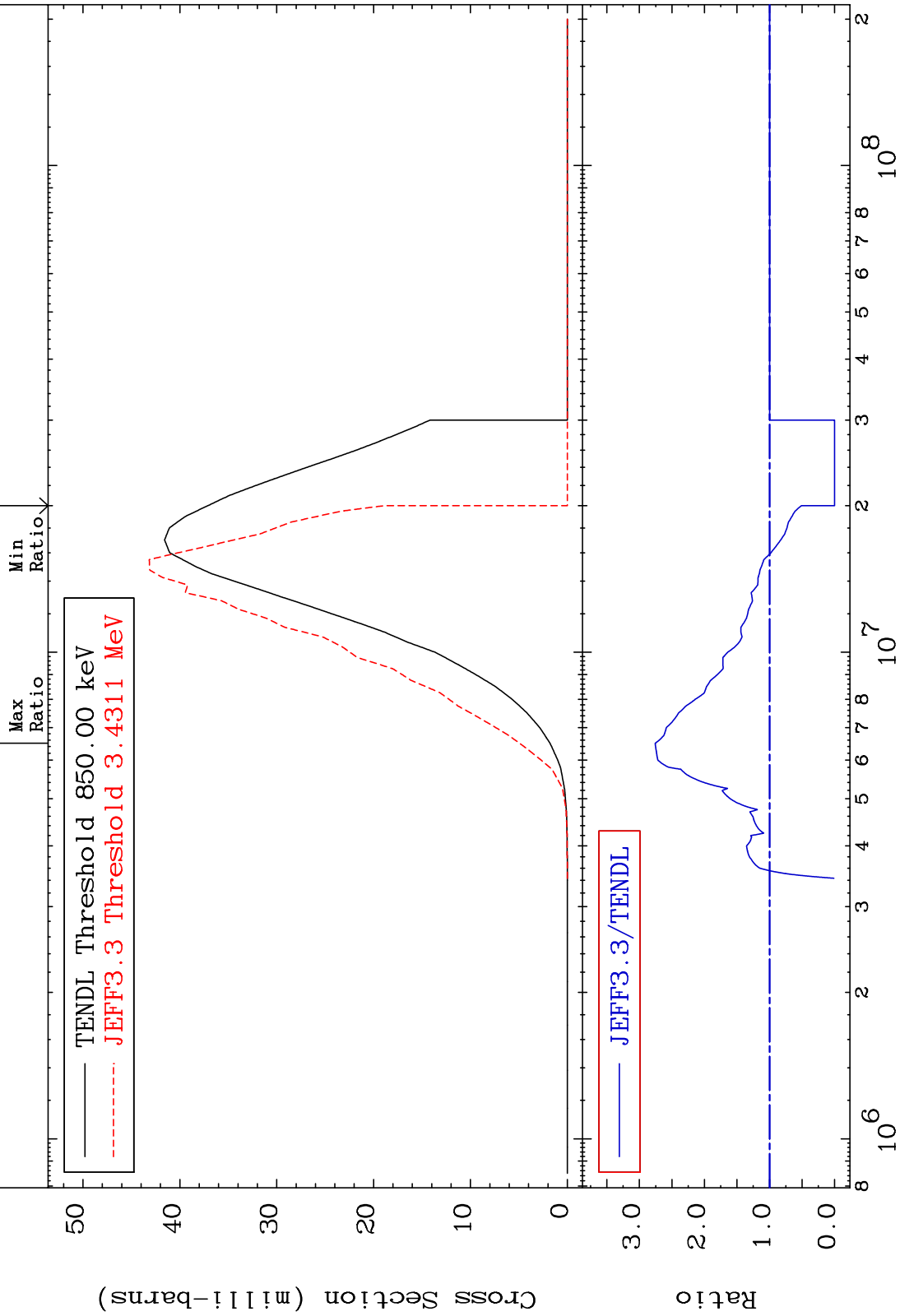


MAT 2631

²⁶Fe-56

-100.0 To 175.7 %

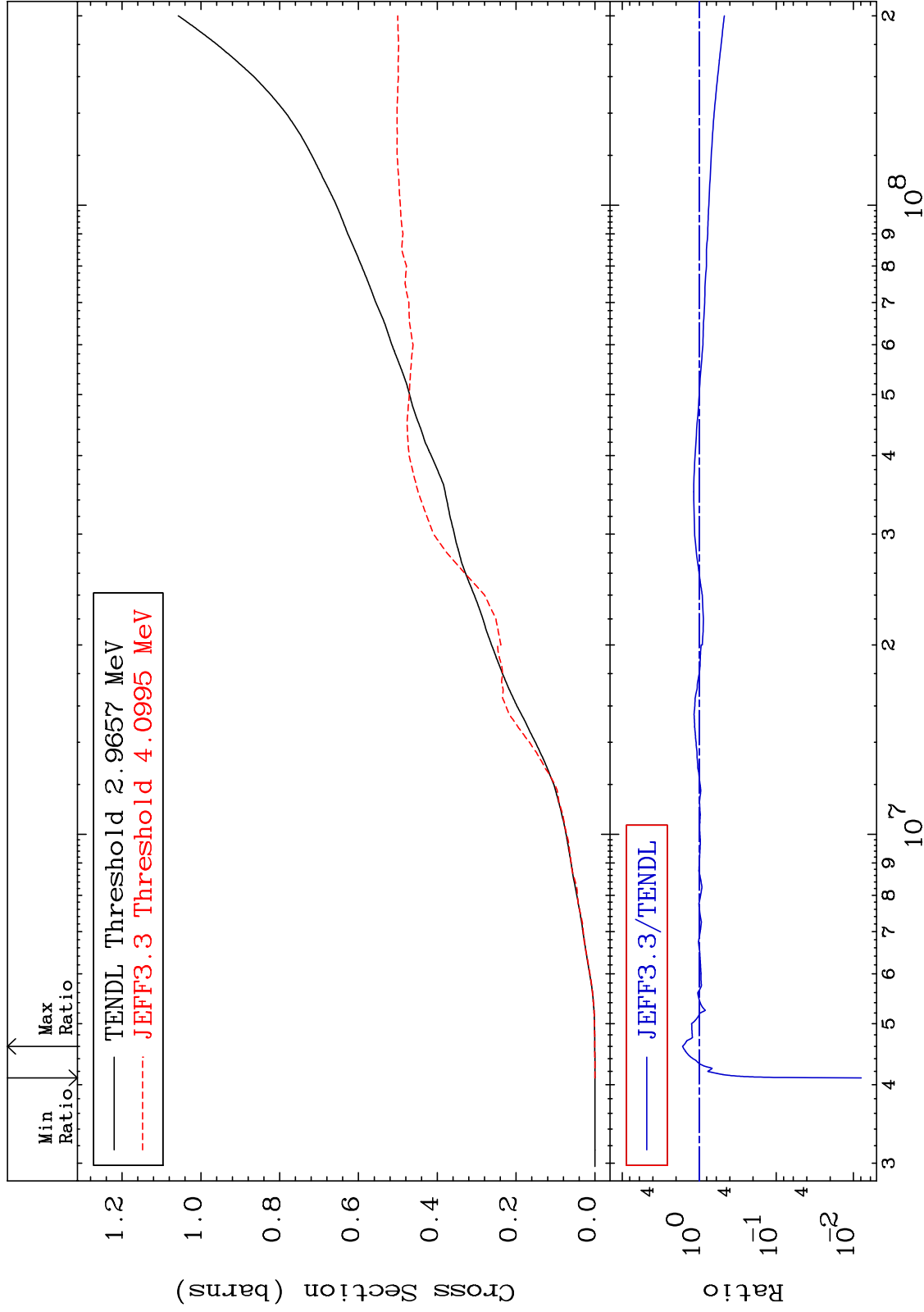
(n, α)
Cross Section



MAT 2631

Hydrogen Production
Cross Section

26-Fe-56
-99.21 To 65.16 %



45

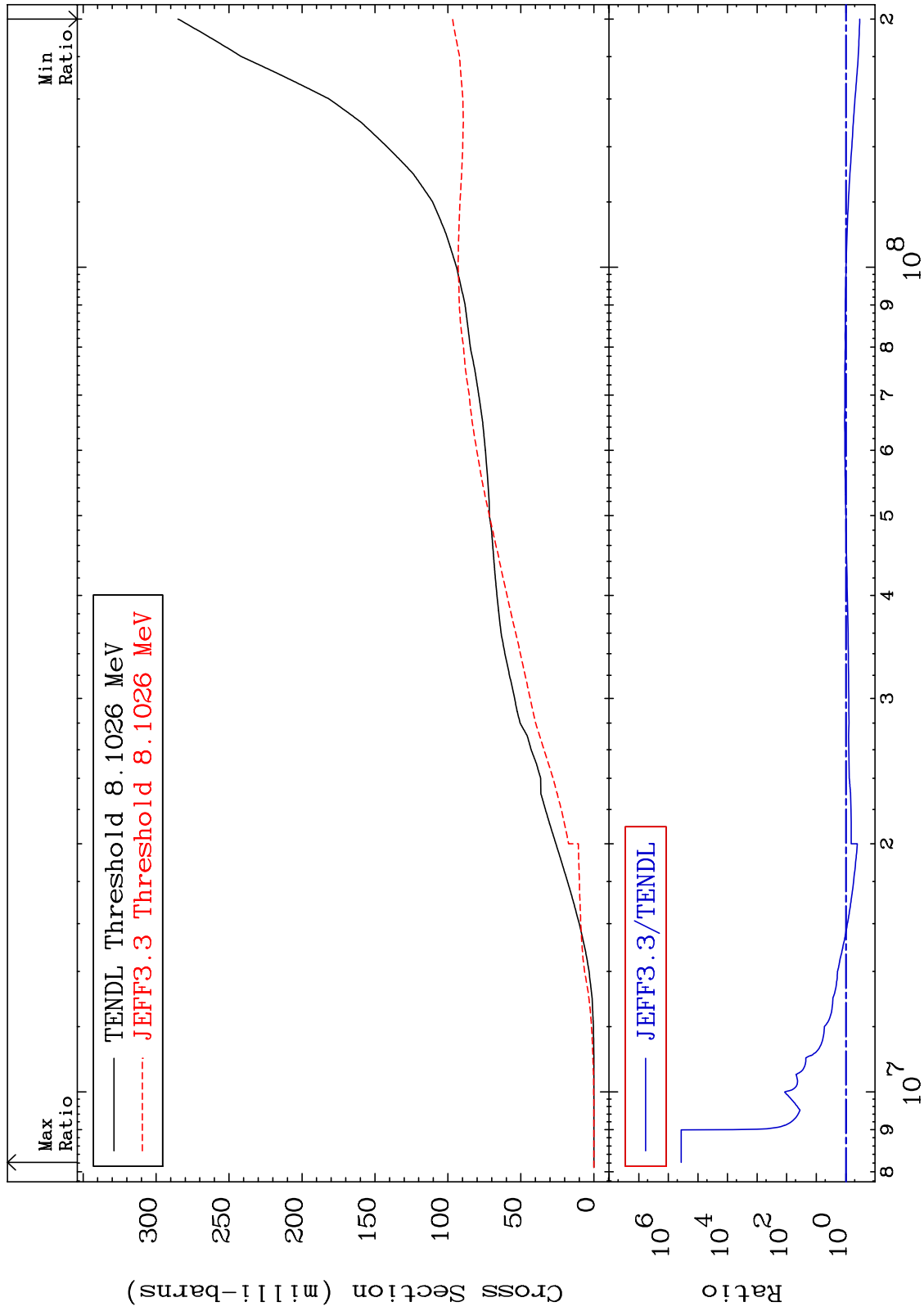
Incident Energy (eV)

26-Fe-56

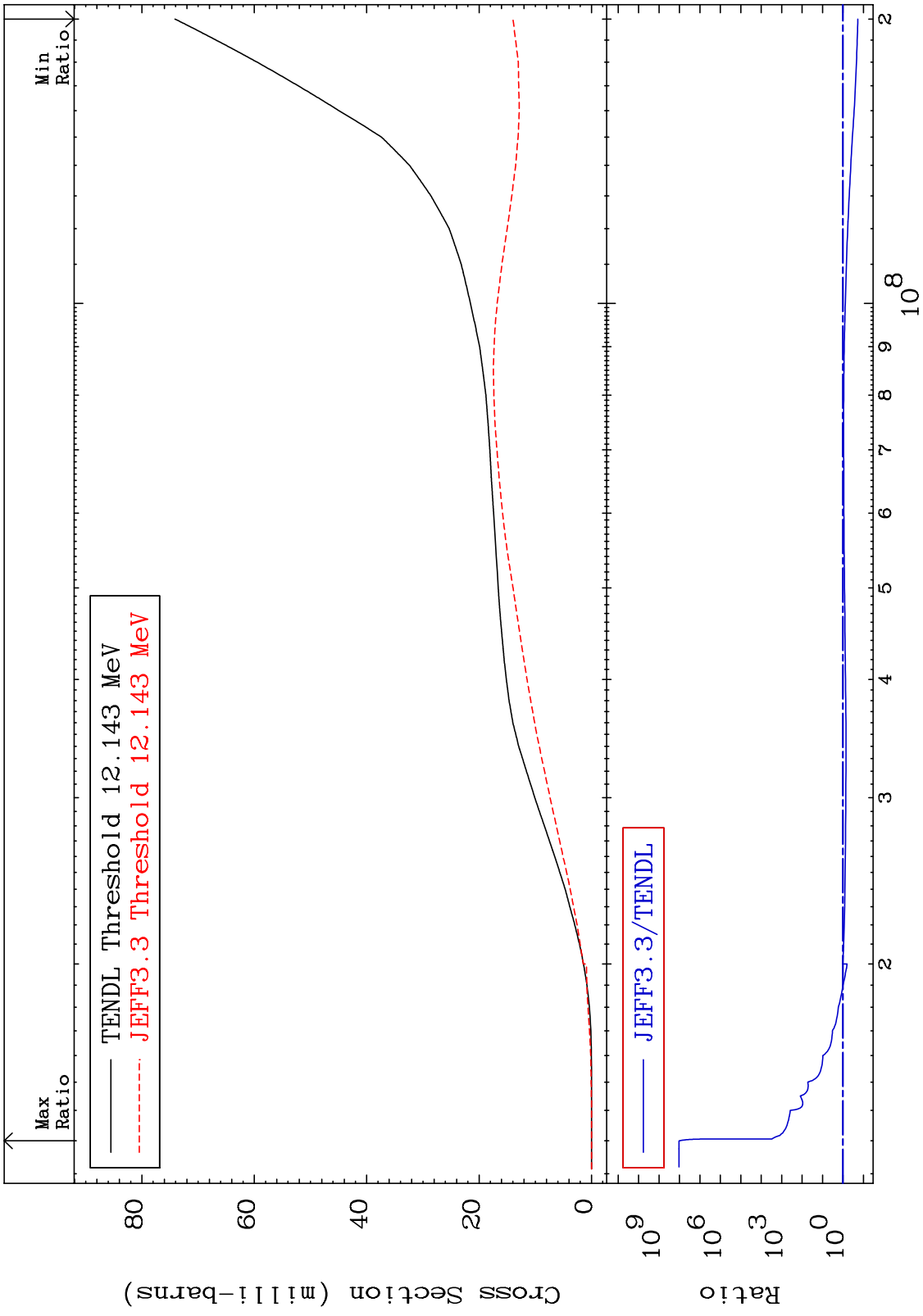
MAT 2631

Deuterium Production
Cross Section

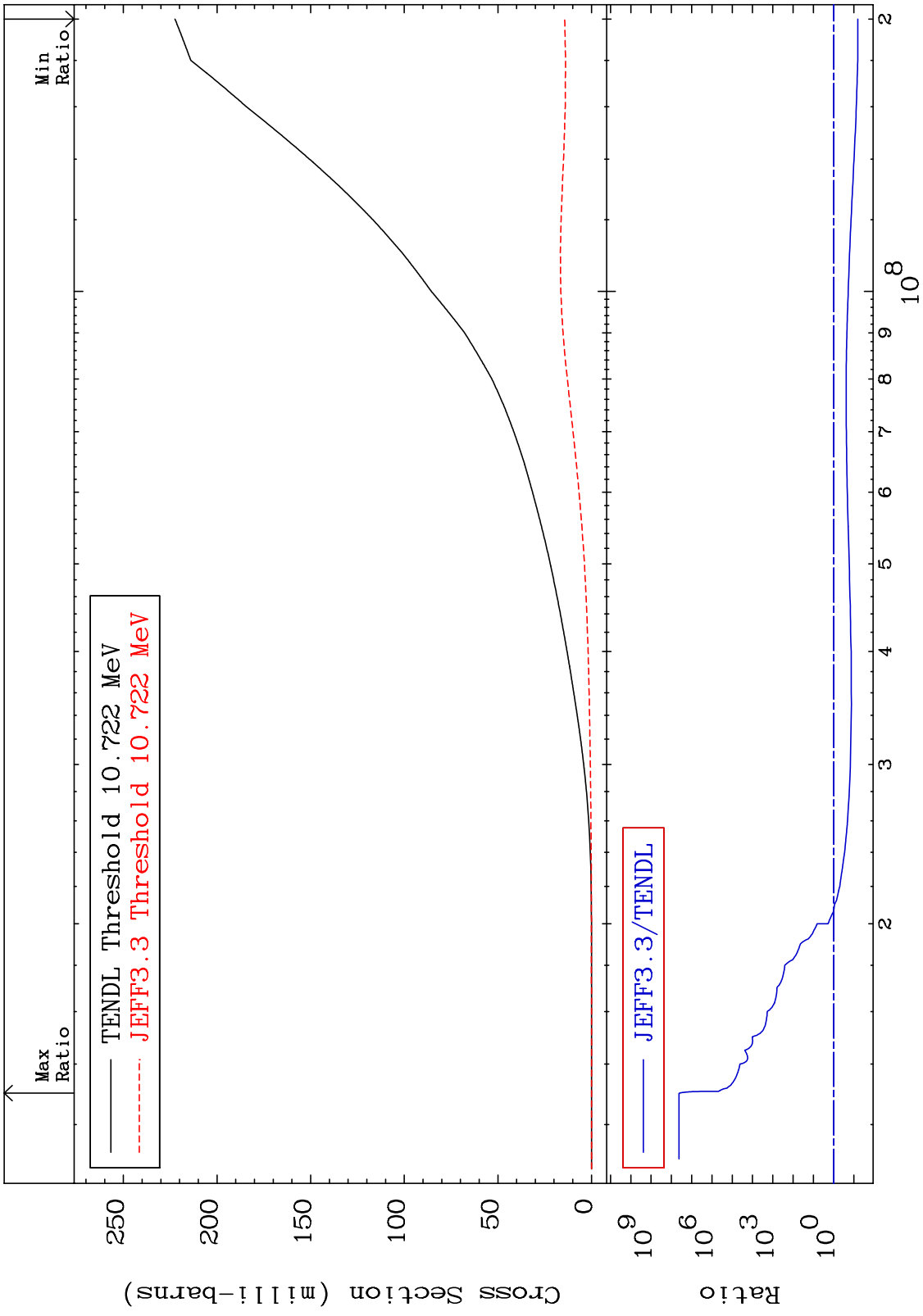
26-Fe-56
-66.01 To 9999. %



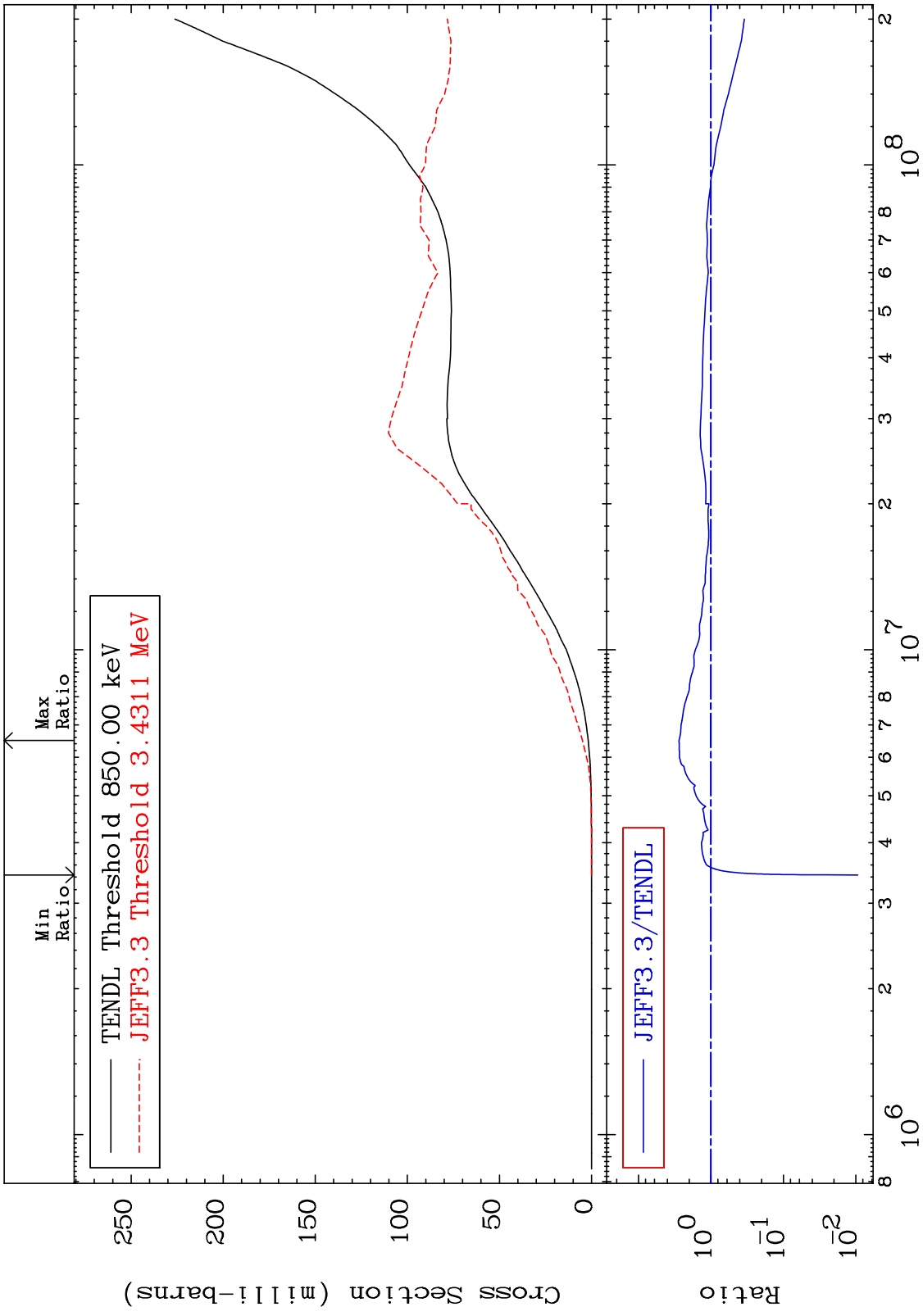
MAT 2631 Tritium Production Cross Section 26-Fe-56
 -81.15 To 9999. %



MAT 2631 He-3 Production Cross Section 26-Fe-56 -93.56 To 9999. %

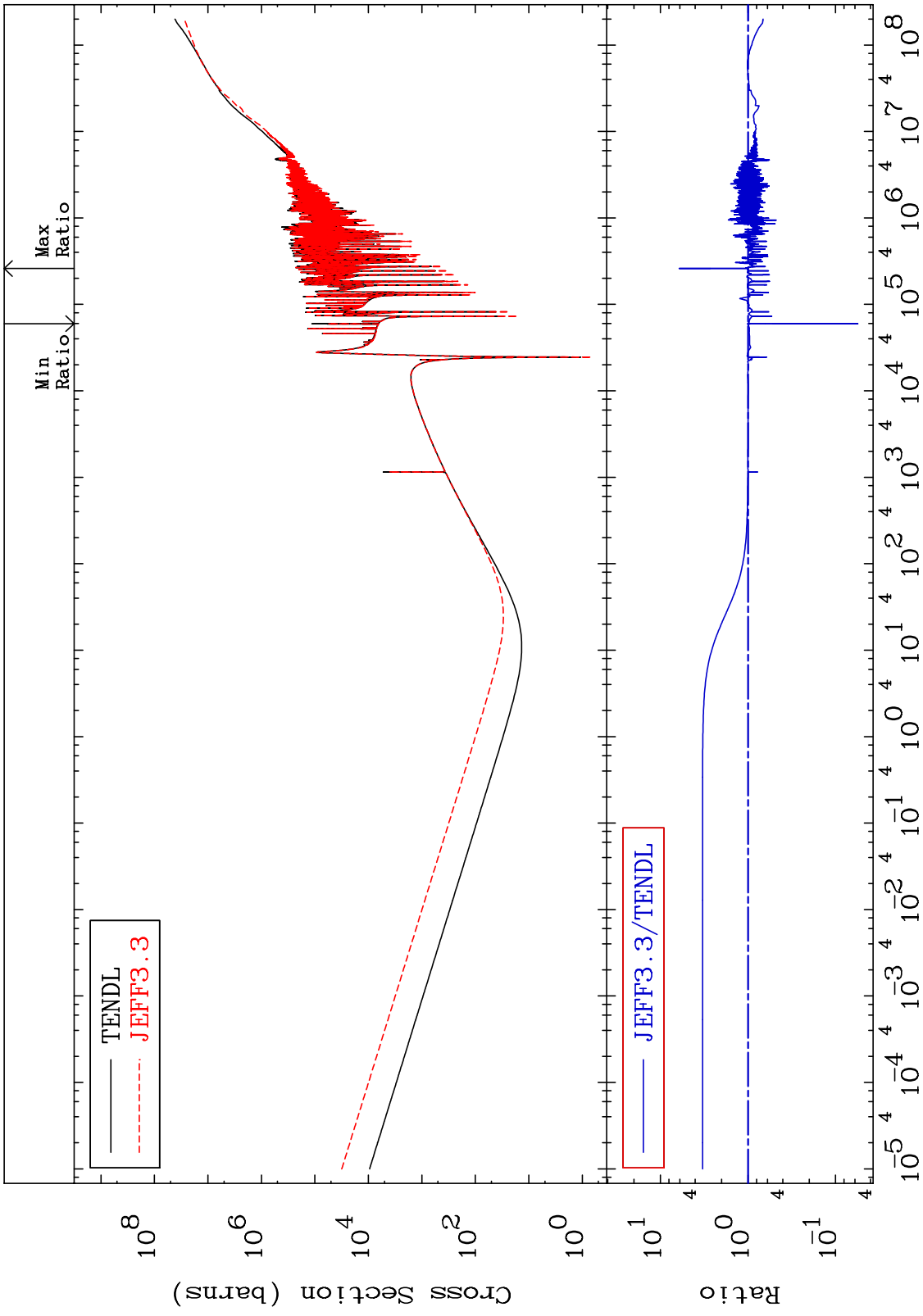


MAT 2631 He-4 Production Cross Section 26-Fe-56 -99.06 To 175.7 %



49 26-Fe-56

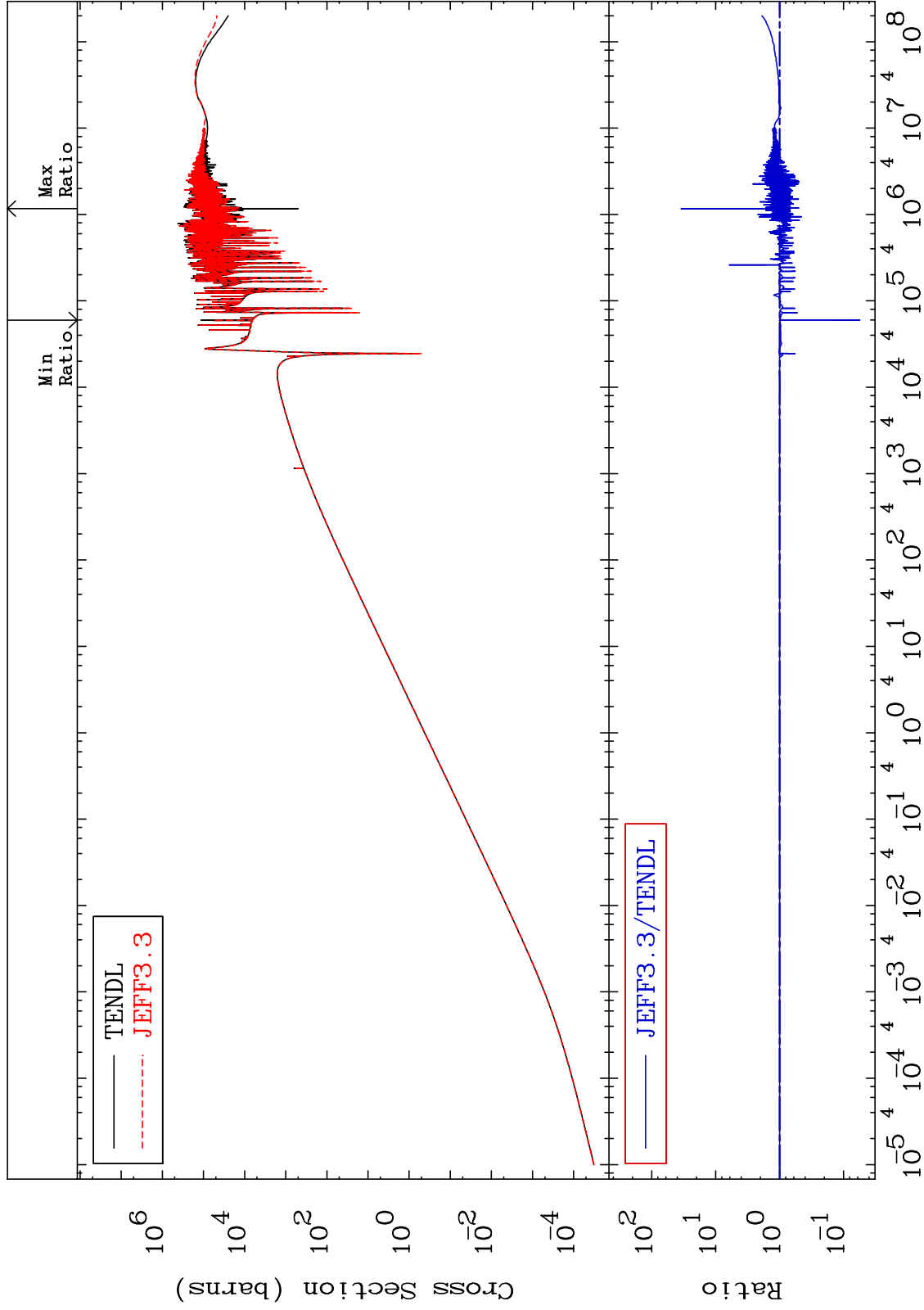
MAT 2631 Kerma total (eV-barns) 26-Fe-56
 Cross Section -94.43 To 512.5 %



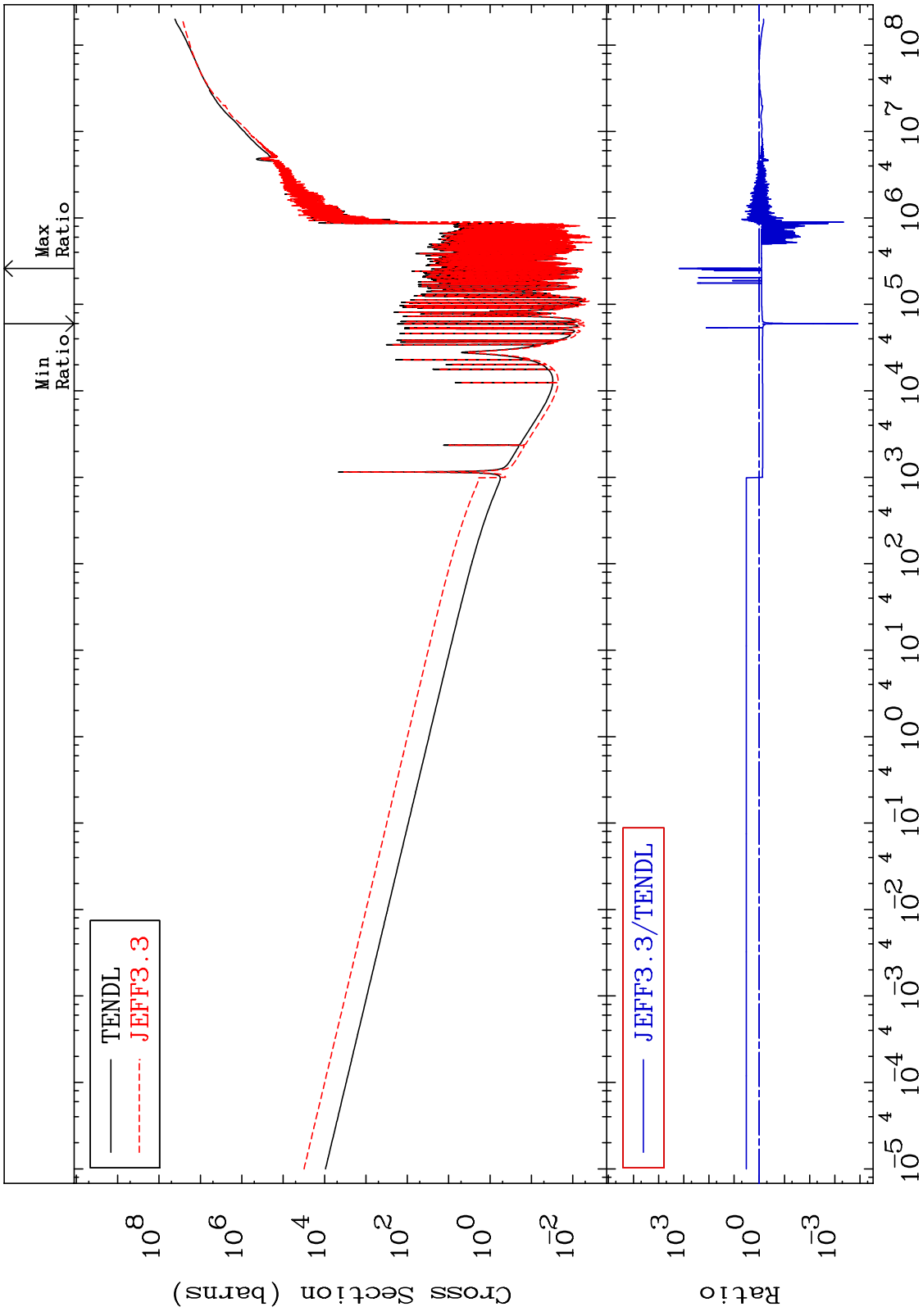
MAT 2631

Kerma elastic
Cross Section

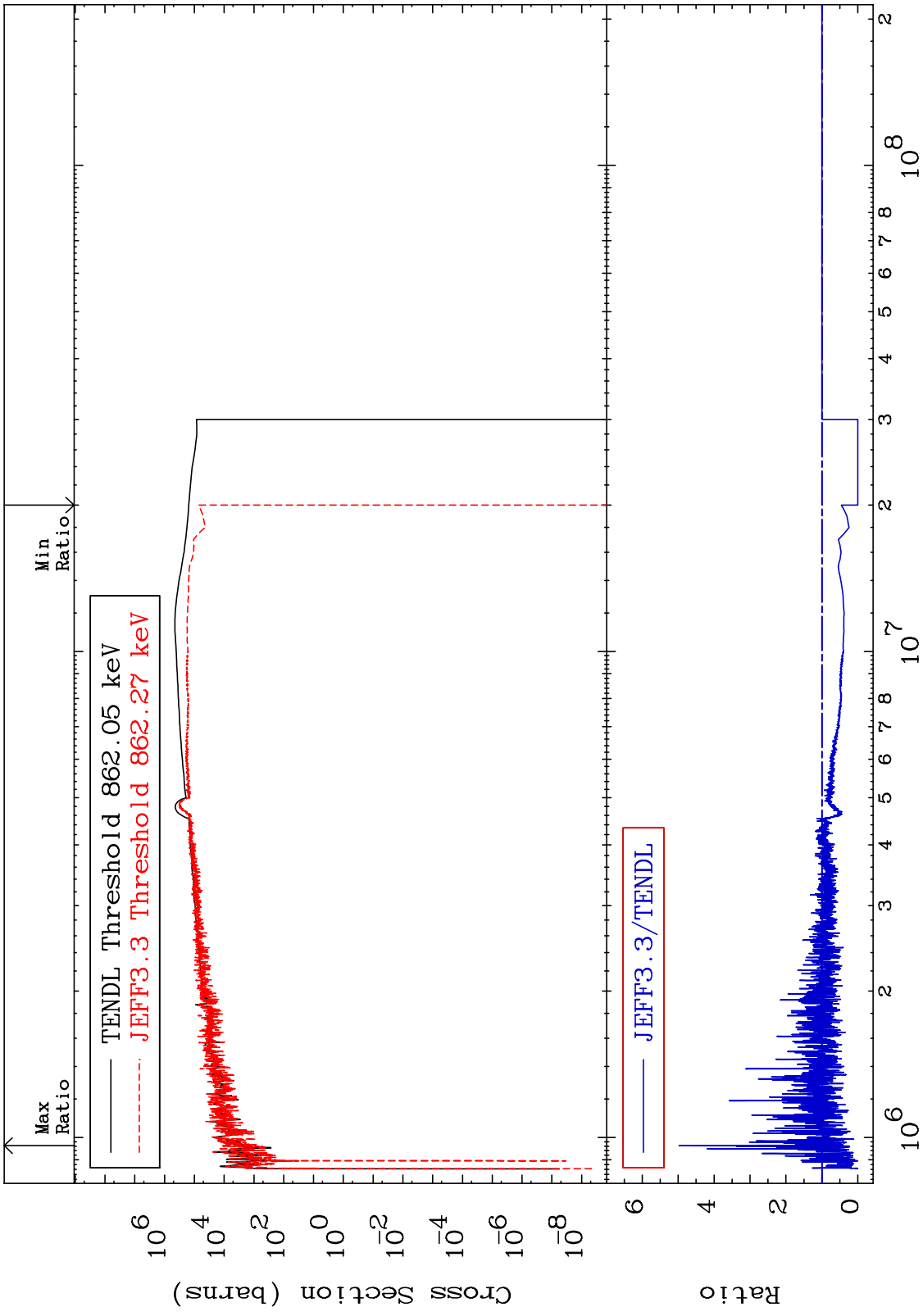
26-Fe-56
-94.42 To 3354. %



MAT 2631 Kerma non-elastic (all but mt2) 26-Fe-56
 Cross Section -99.99 To 9999. %



MAT 2631 Kerma inelastic (mt51-91) ²⁶Fe-56
 -100.0 To 397.5 %

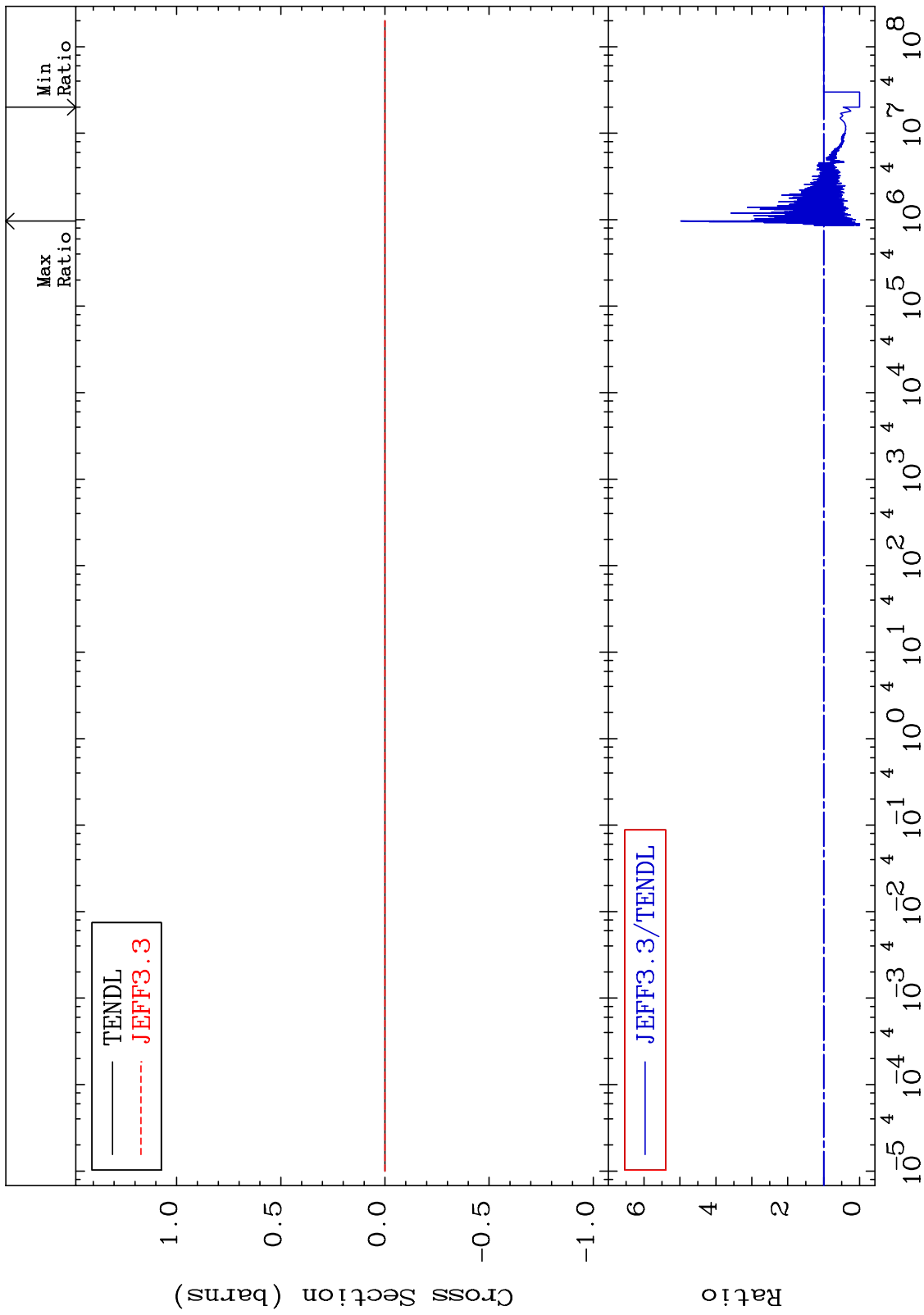


53 ²⁶Fe-56

MAT 2631

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

26-Fe-56
-100.0 To 397.5 %



54

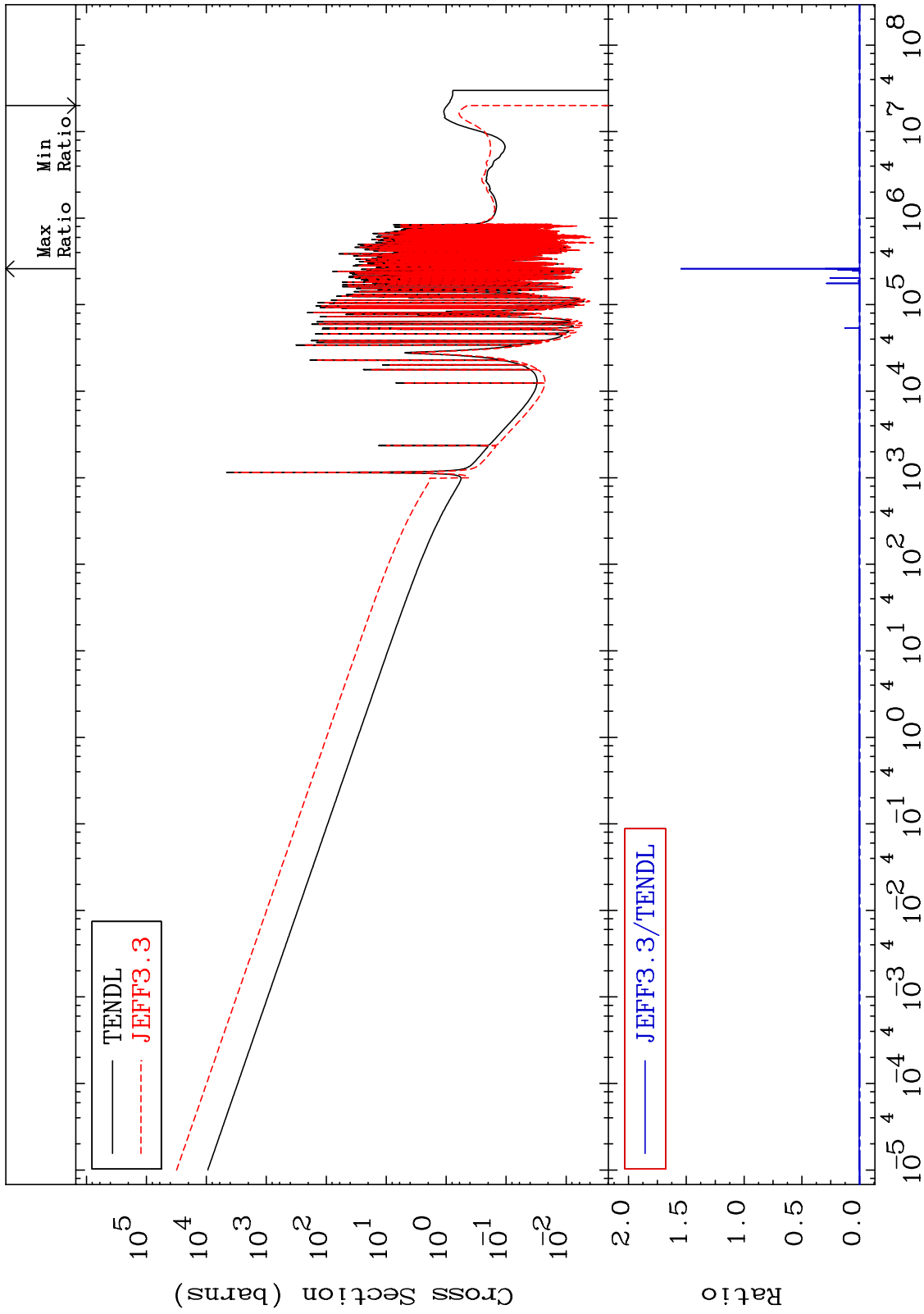
Incident Energy (eV)

26-Fe-56

MAT 2631

Kerma capture (mt102)
Cross Section

26-Fe-56
-100.0 To 9999. %



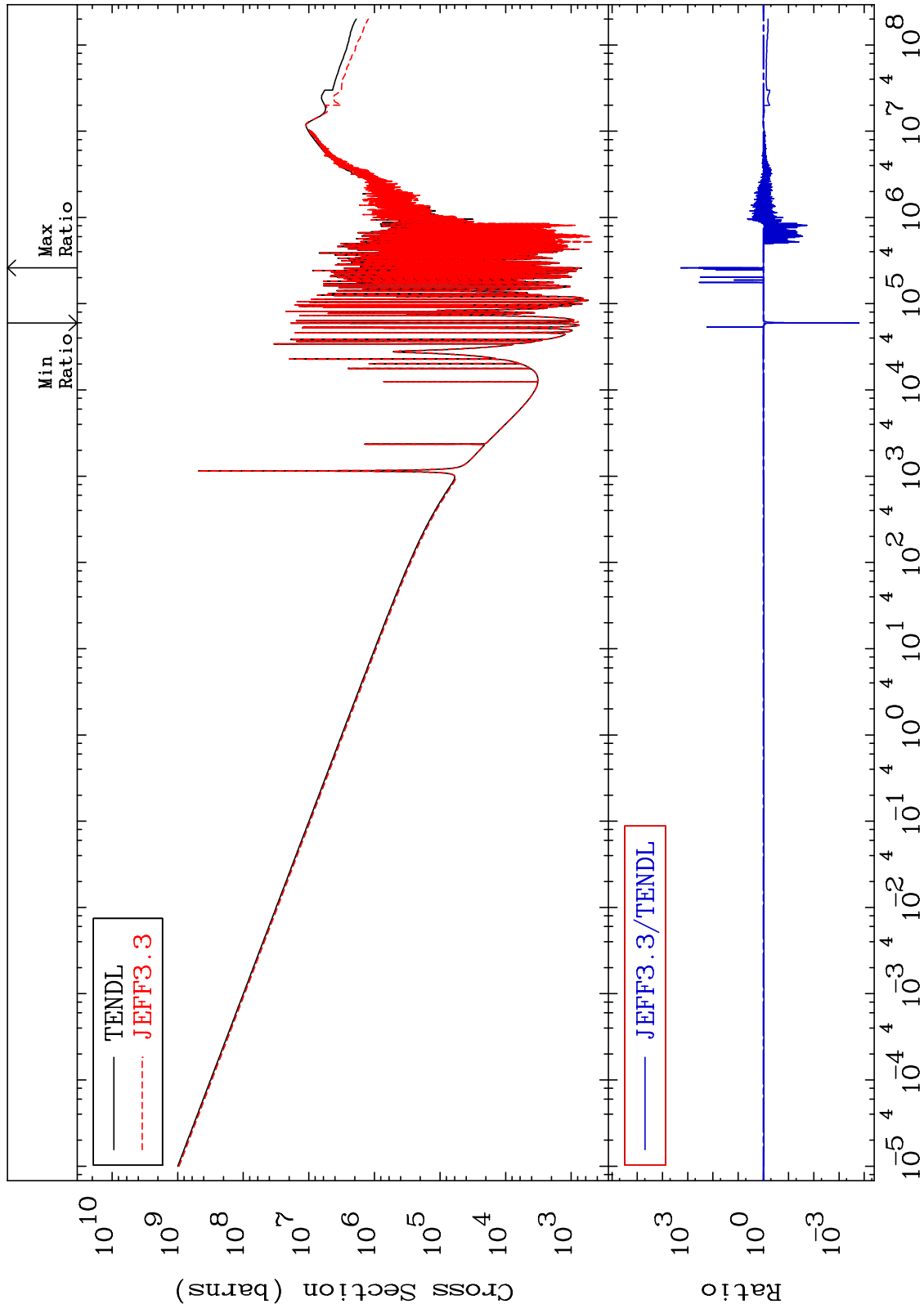
55

26-Fe-56

MAT 2631

Total photon (eV-barns)
Cross Section

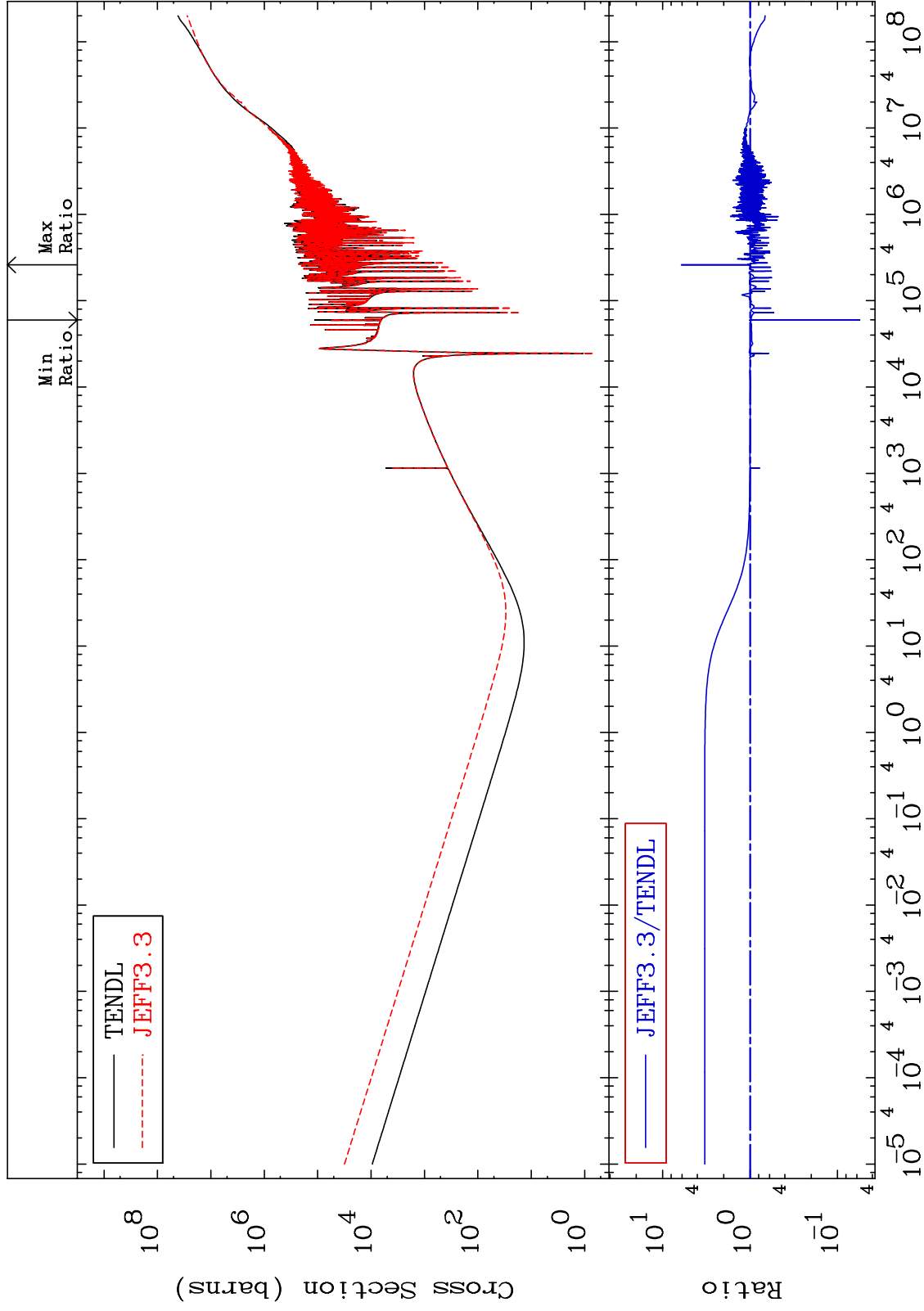
26-Fe-56
-99.98 To 9999. %



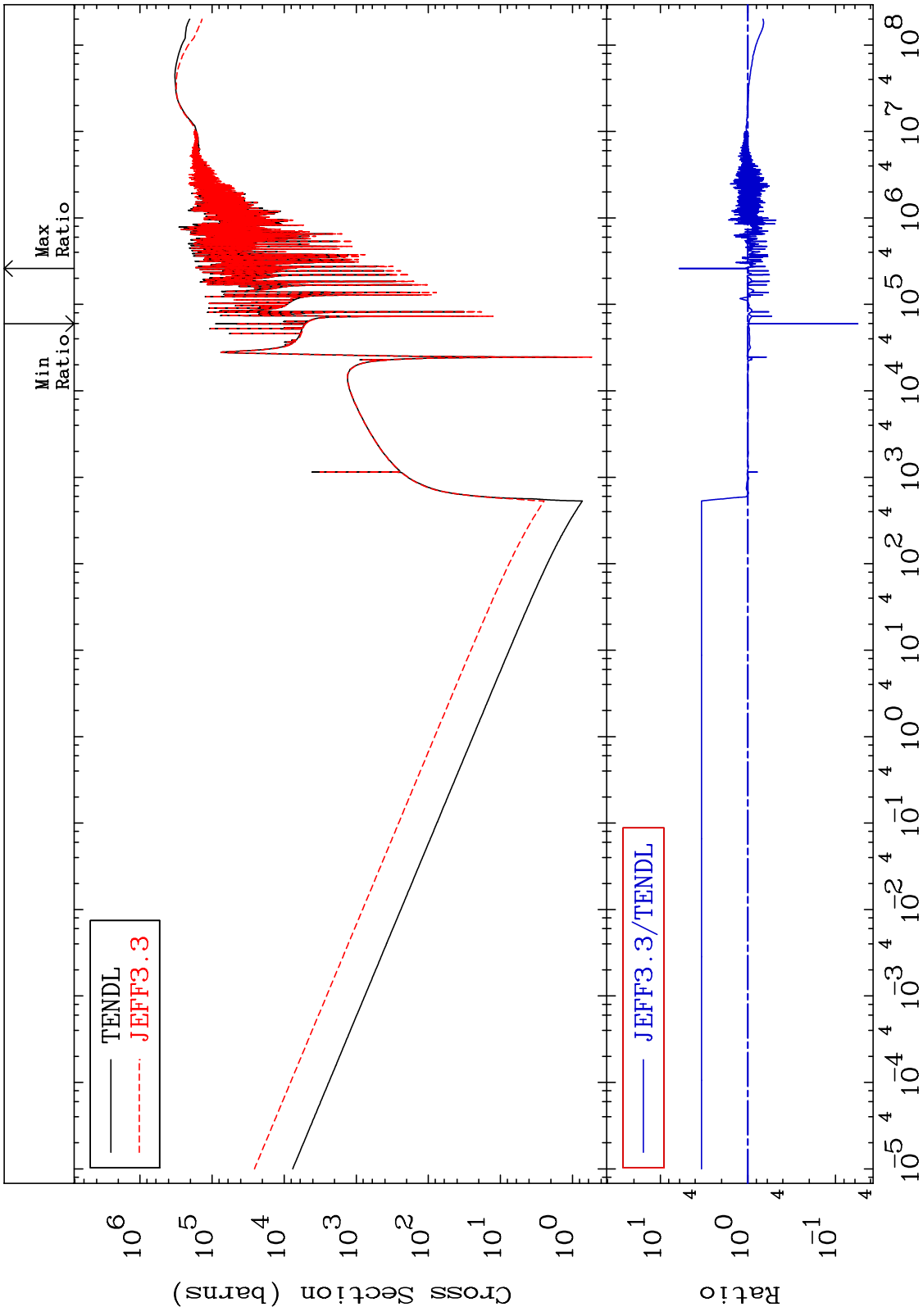
MAT 2631

Total kinematic kerma (high limit)
Cross Section

26-Fe-56
-94.43 To 512.5 %



MAT 2631 Dpa total (eV-barns) 26-Fe-56
 Cross Section -94.43 To 511.0 %

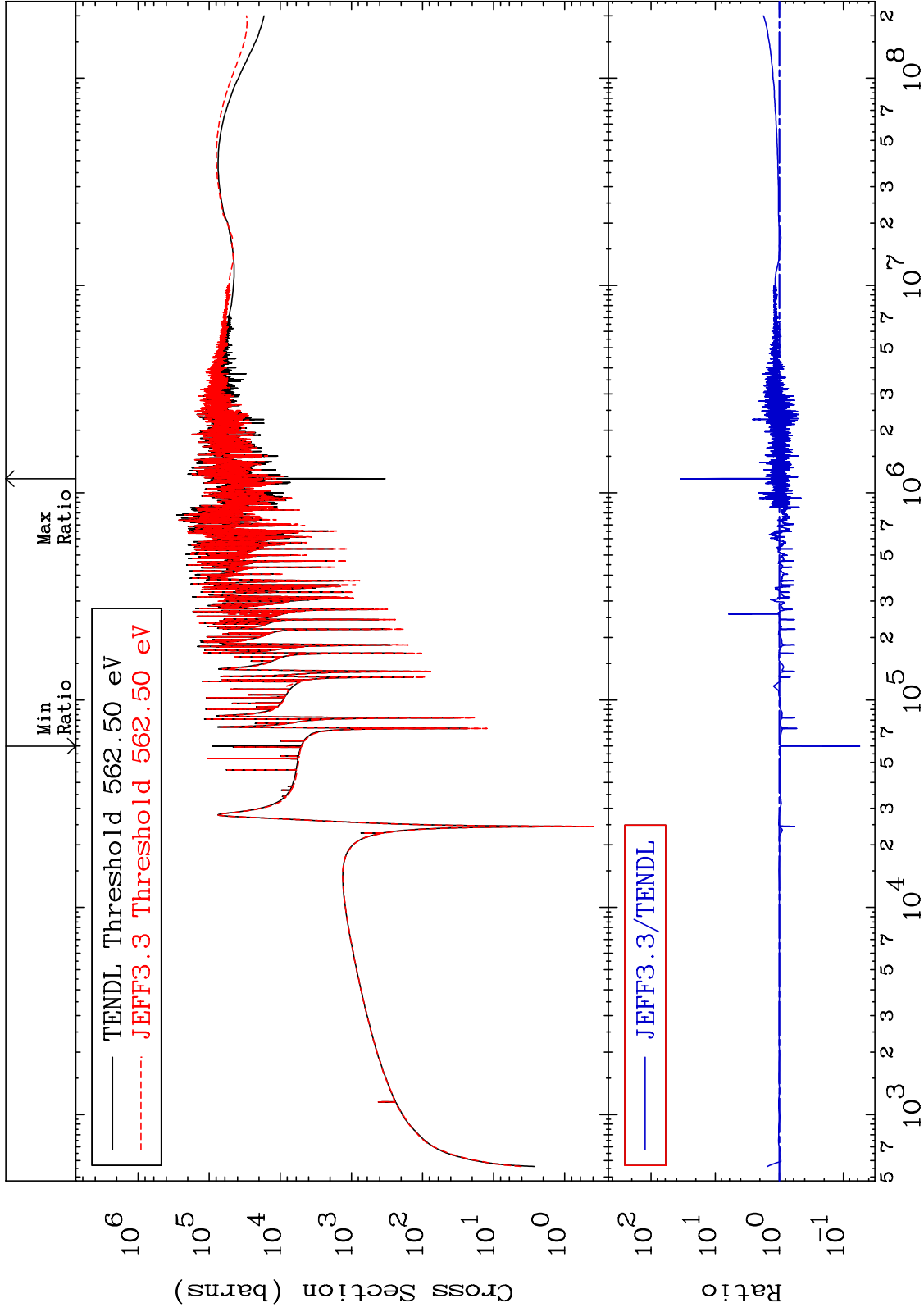


58 Incident Energy (eV) 26-Fe-56

MAT 2631

Dpa elastic (mt2)
Cross Section

26-Fe-56
-94.43 To 3340. %

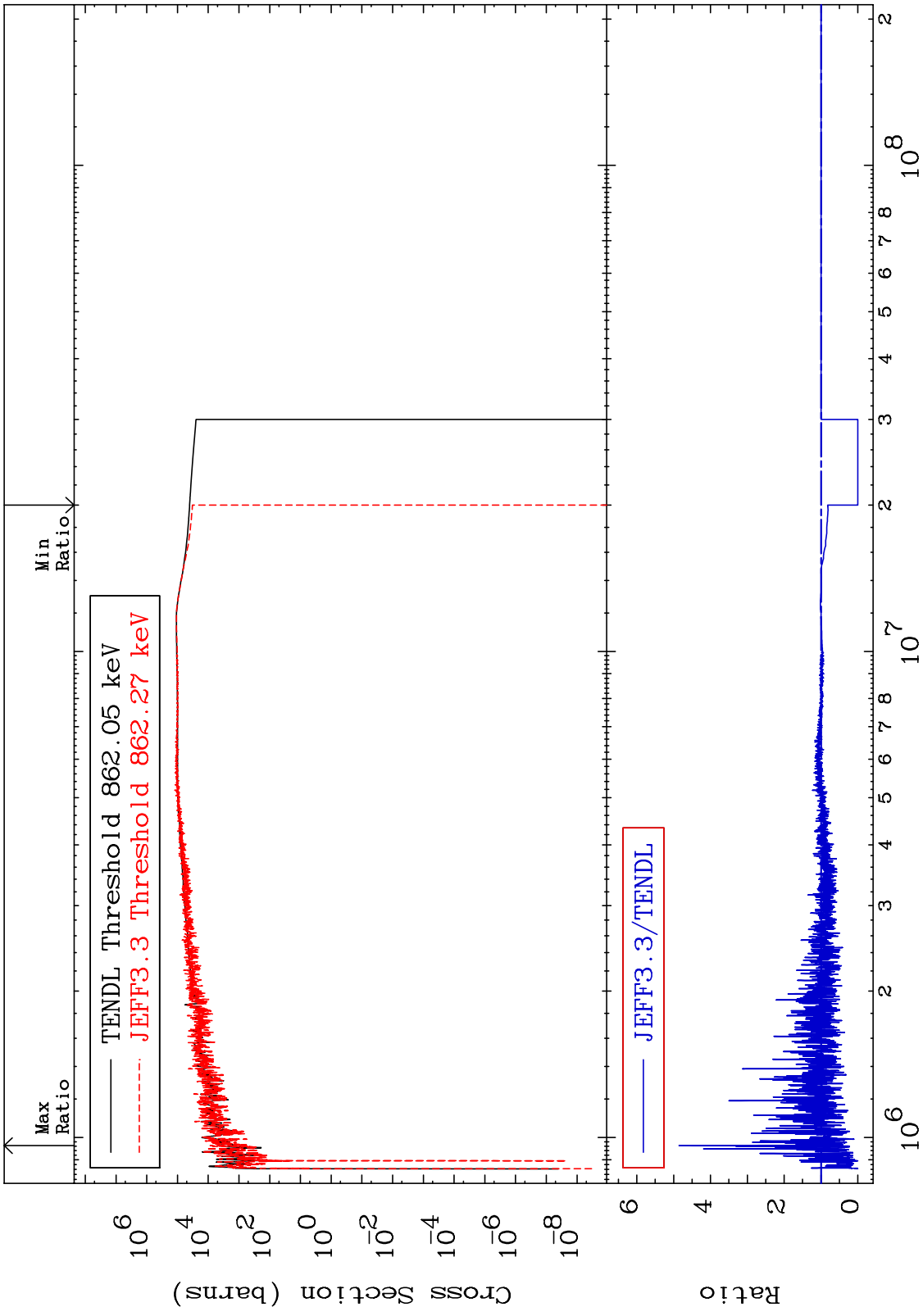


59

Incident Energy (eV)

26-Fe-56

MAT 2631 Dpa inelastic (mt51-91) 26-Fe-56
Cross Section -100.0 To 385.4 %

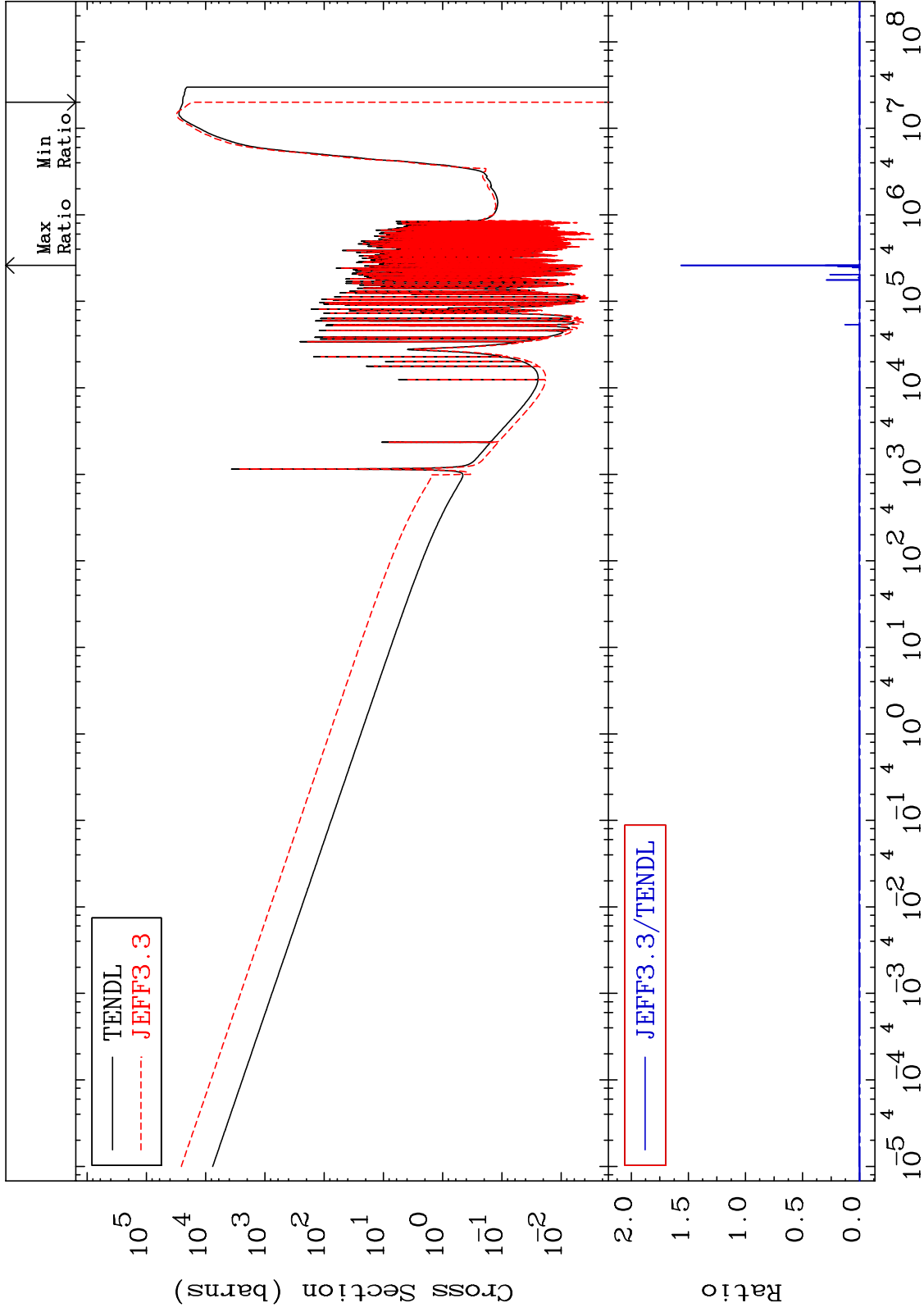


60 Incident Energy (eV) 26-Fe-56

MAT 2631

Dpa disappearance (mt102 -120)
Cross Section

26-Fe-56
-100.0 To 9999. %



61

Incident Energy (eV)

26-Fe-56