

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

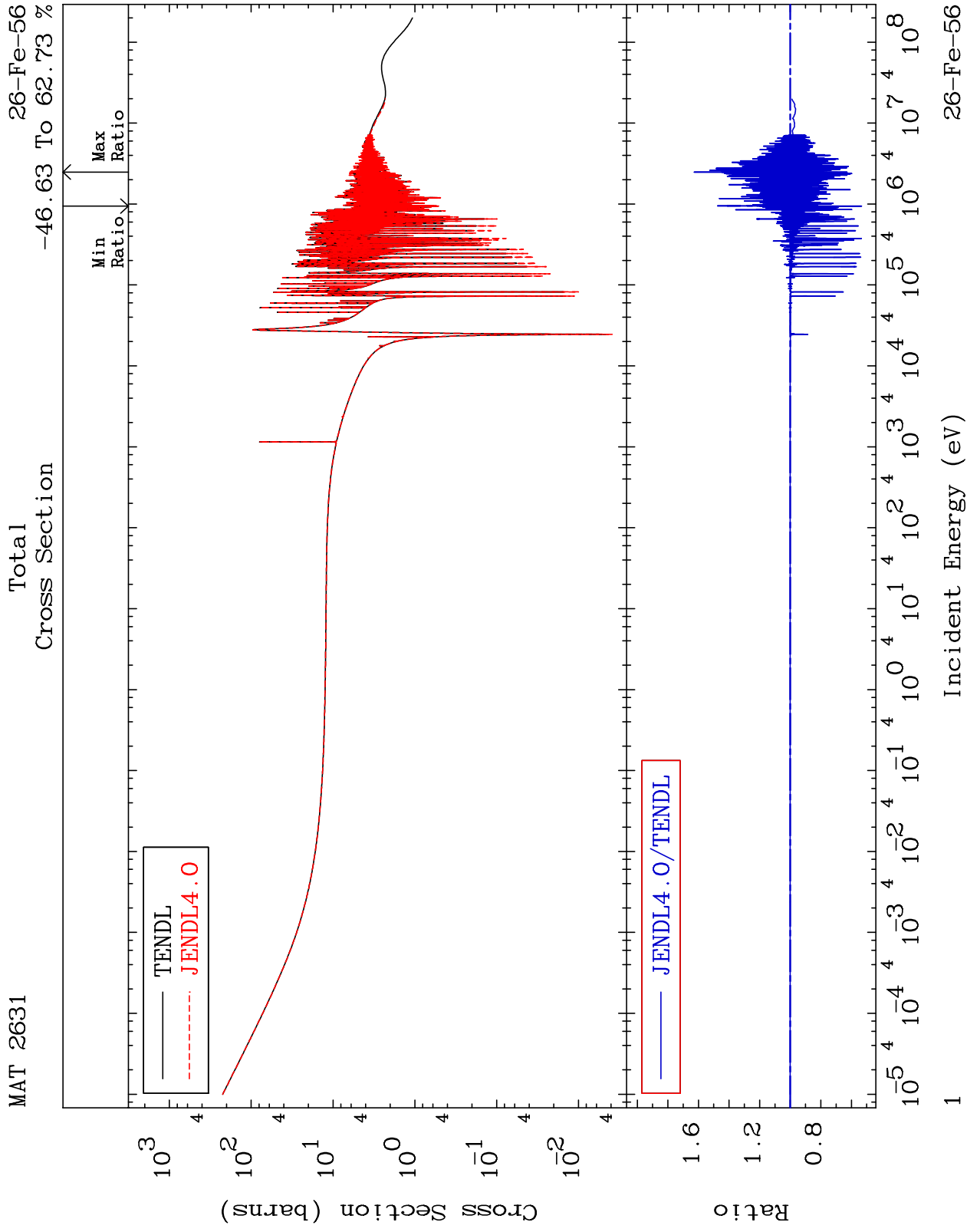
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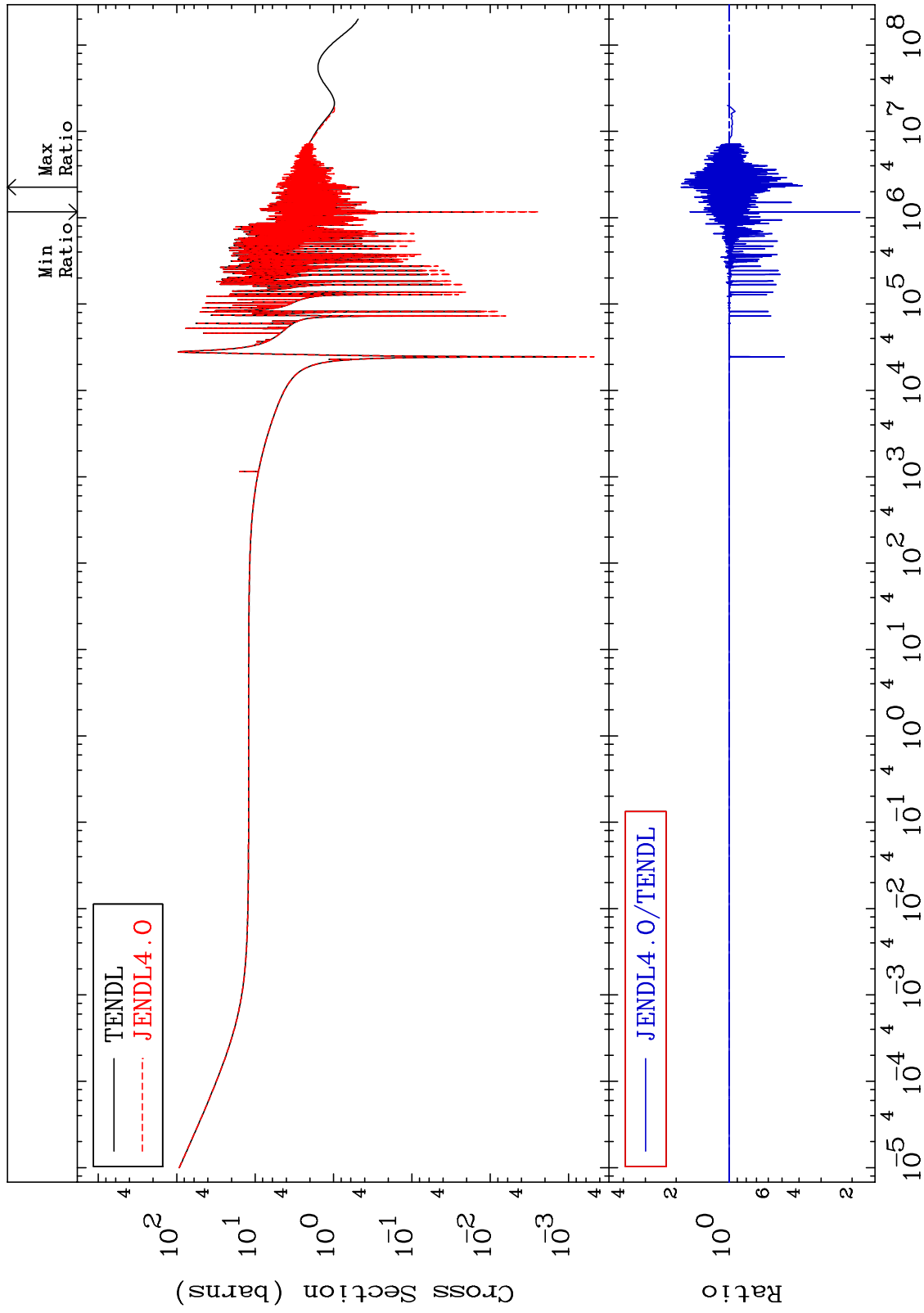
Press Mouse Button to Start



MAT 2631

Elastic
Cross Section

26-Fe-56
-81.92 To 87.33 %

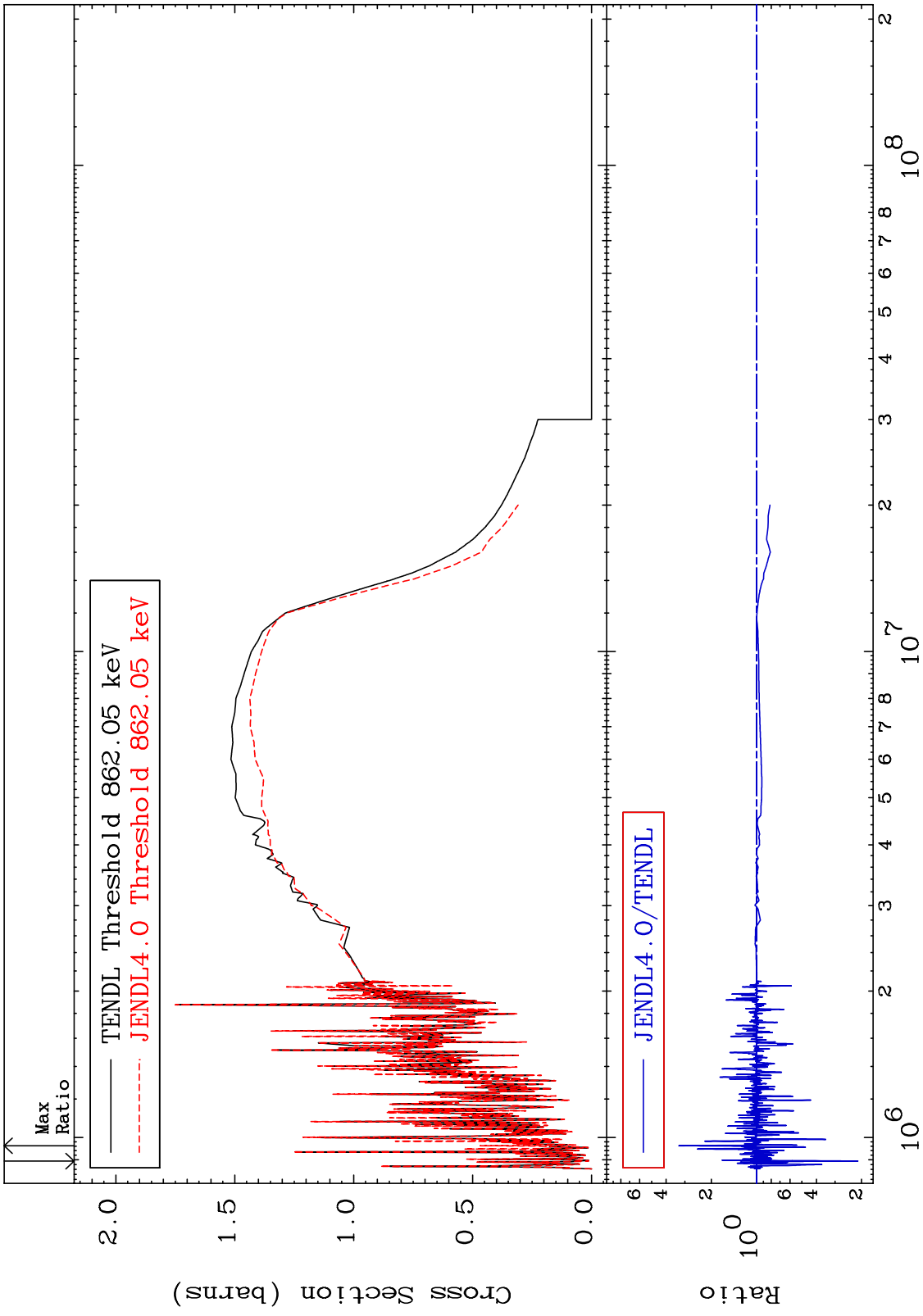


2

Incident Energy (eV)

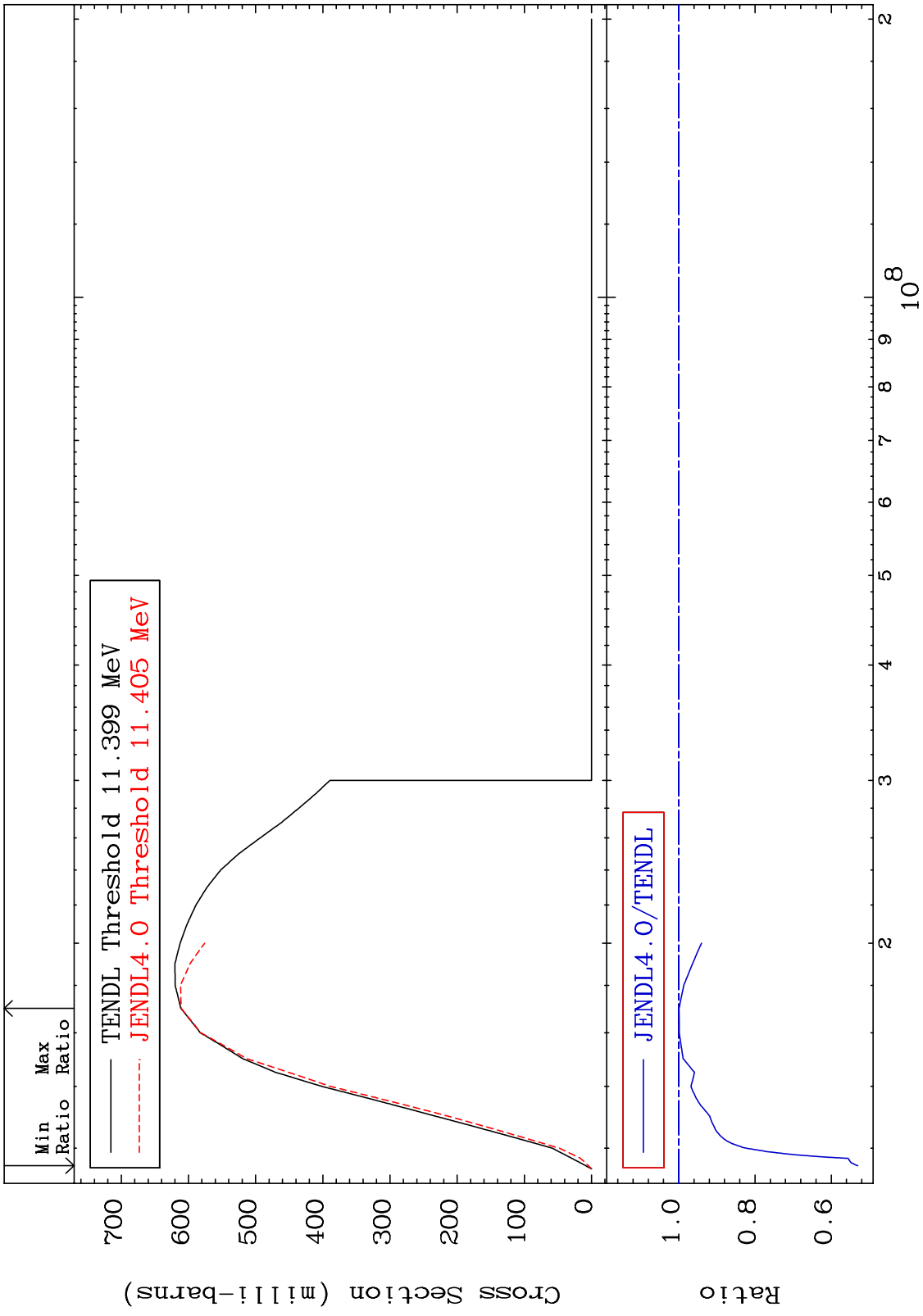
26-Fe-56

MAT 2631 Inelastic Cross Section 26-Fe-56 -78.81 To 228.2 %

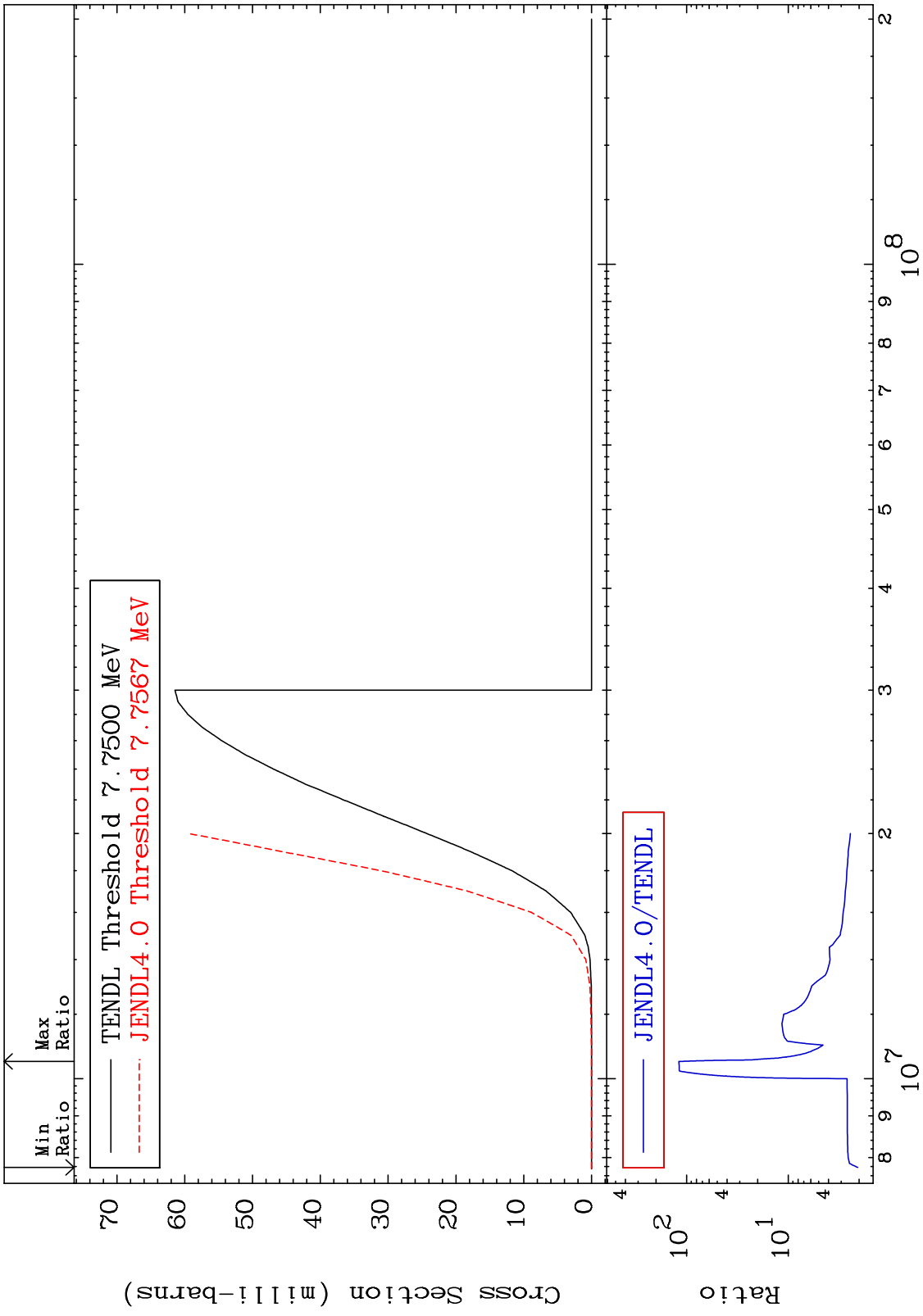


3 Incident Energy (eV) 26-Fe-56

MAT 2631 (n,2n) Cross Section 26-Fe-56
 -46.98 To -0.073%

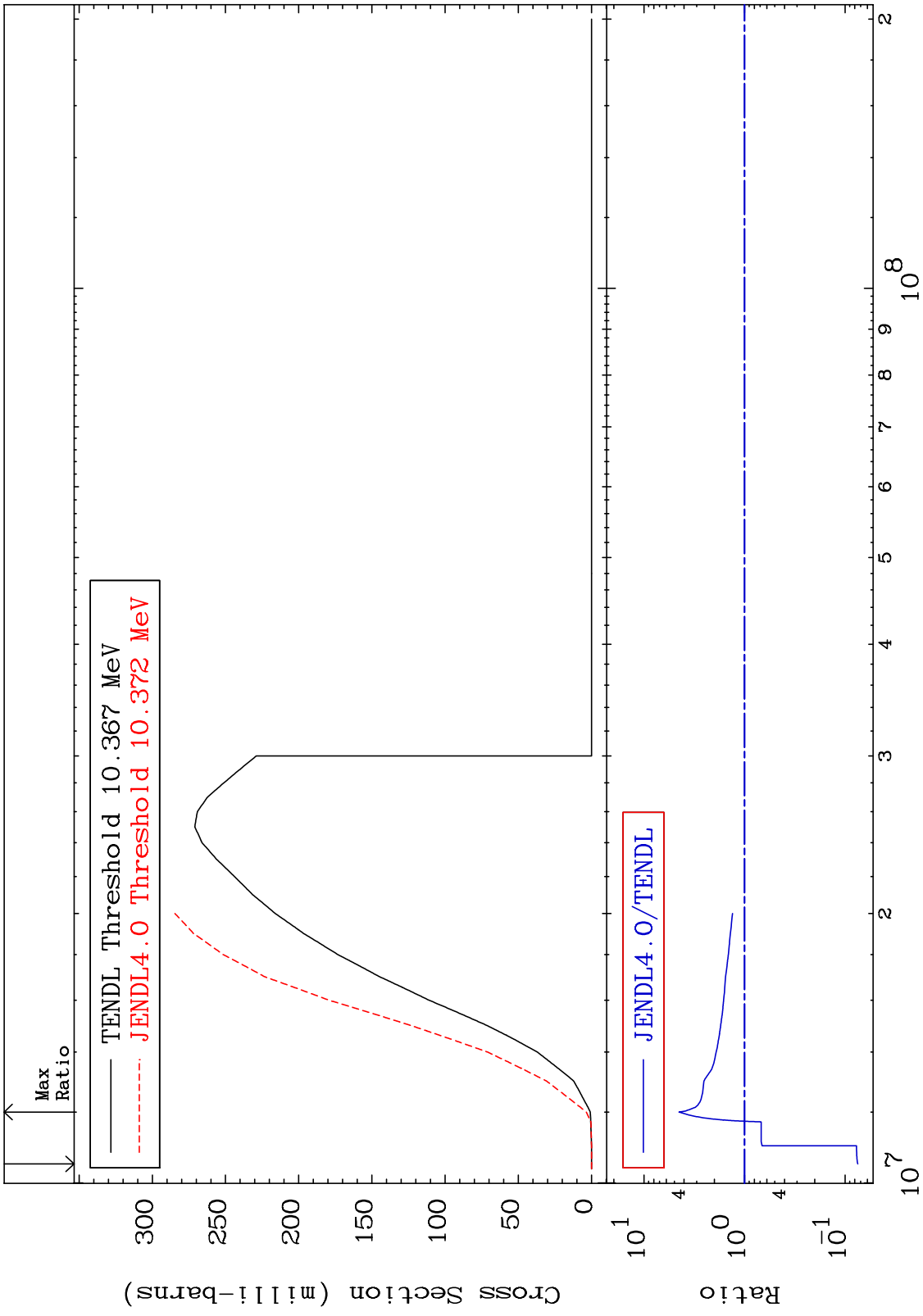


MAT 2631 $(n, n') \alpha$ 26-Fe-56
 Cross Section 106.1 To 9999. %



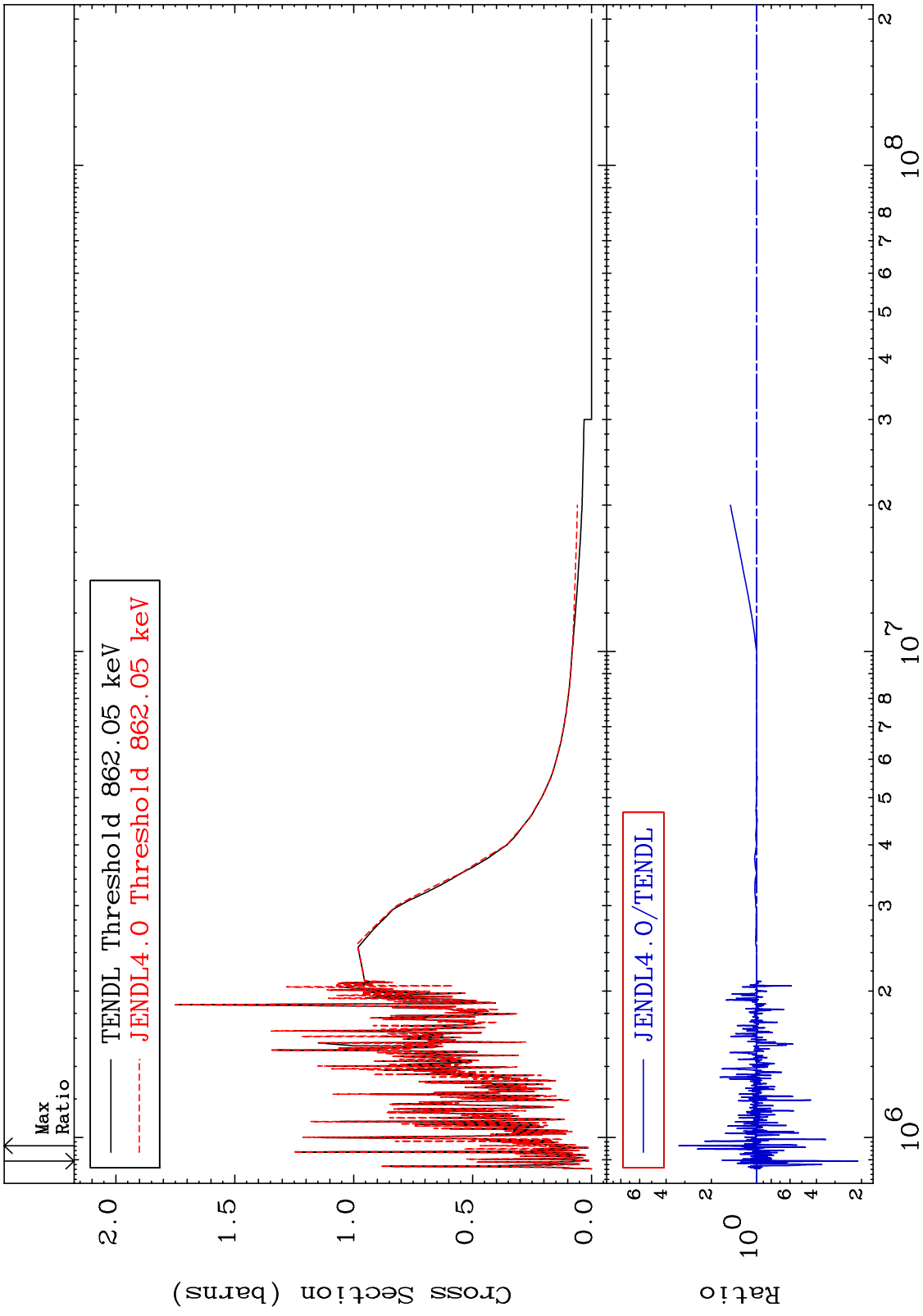
5 26-Fe-56

MAT 2631 (n,n') p 26-Fe-56
Cross Section -92.54 To 348.5 %



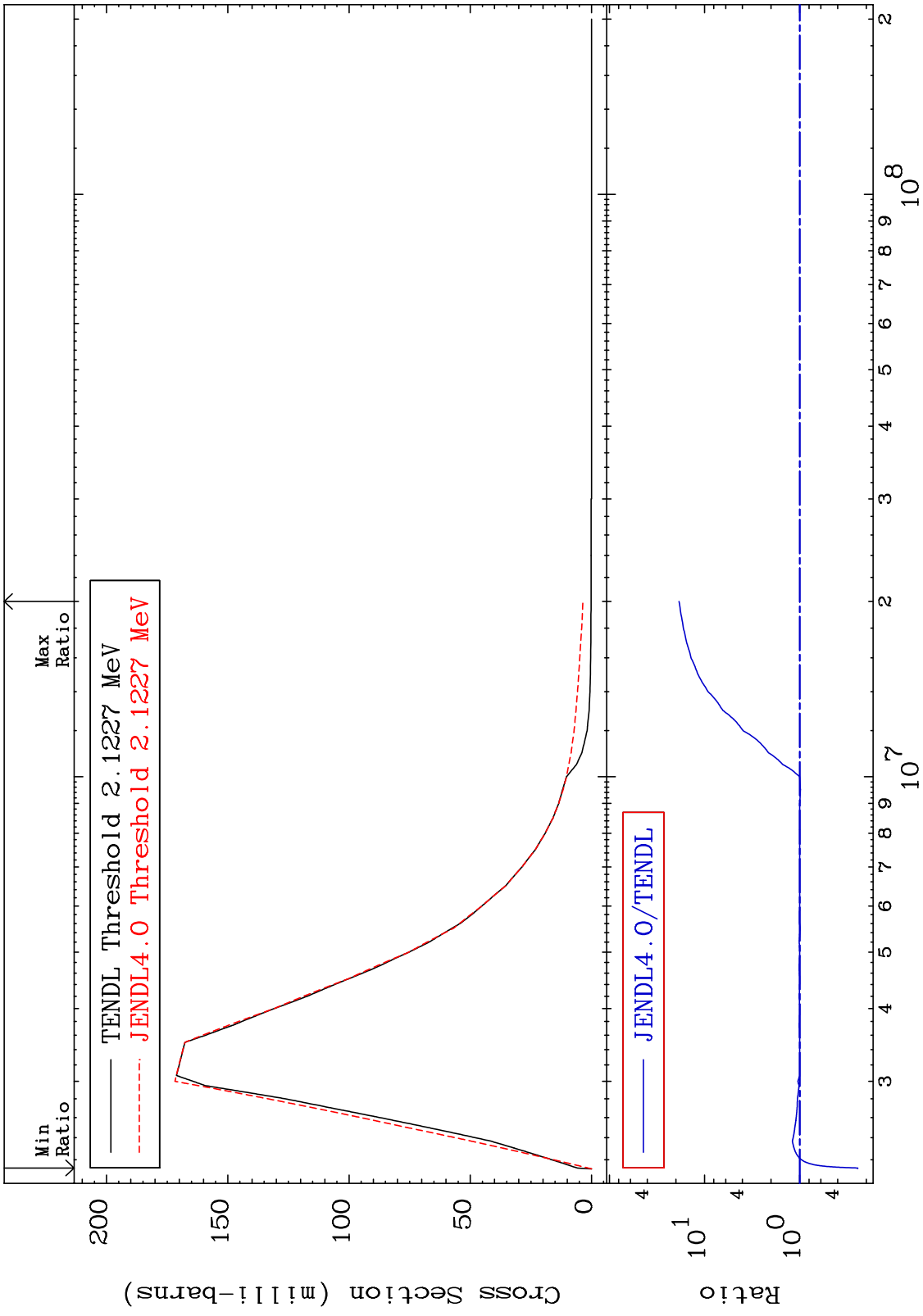
26-Fe-56

MAT 2631 MT= 51 (n,n') Level Cross Section -78.81 To 228.2 % 26-Fe-56

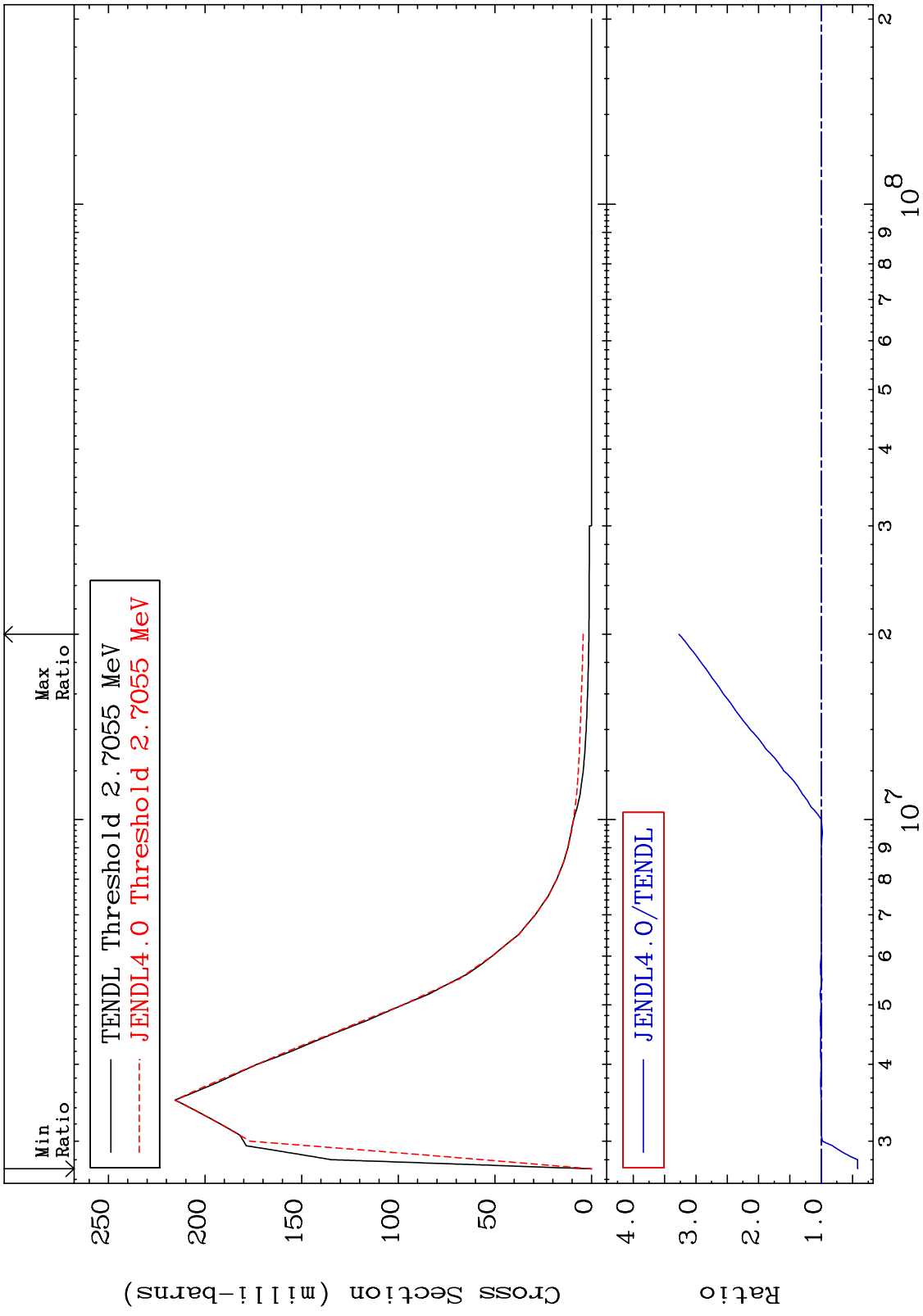


7 Incident Energy (eV) 26-Fe-56

MAT 2631 MT= 52 (n,n') Level Cross Section 26-Fe-56
 -75.46 To 1754. %



MAT 2631 MT= 53 (n,n') Level Cross Section -58.42 To 226.9 % 26-Fe-56

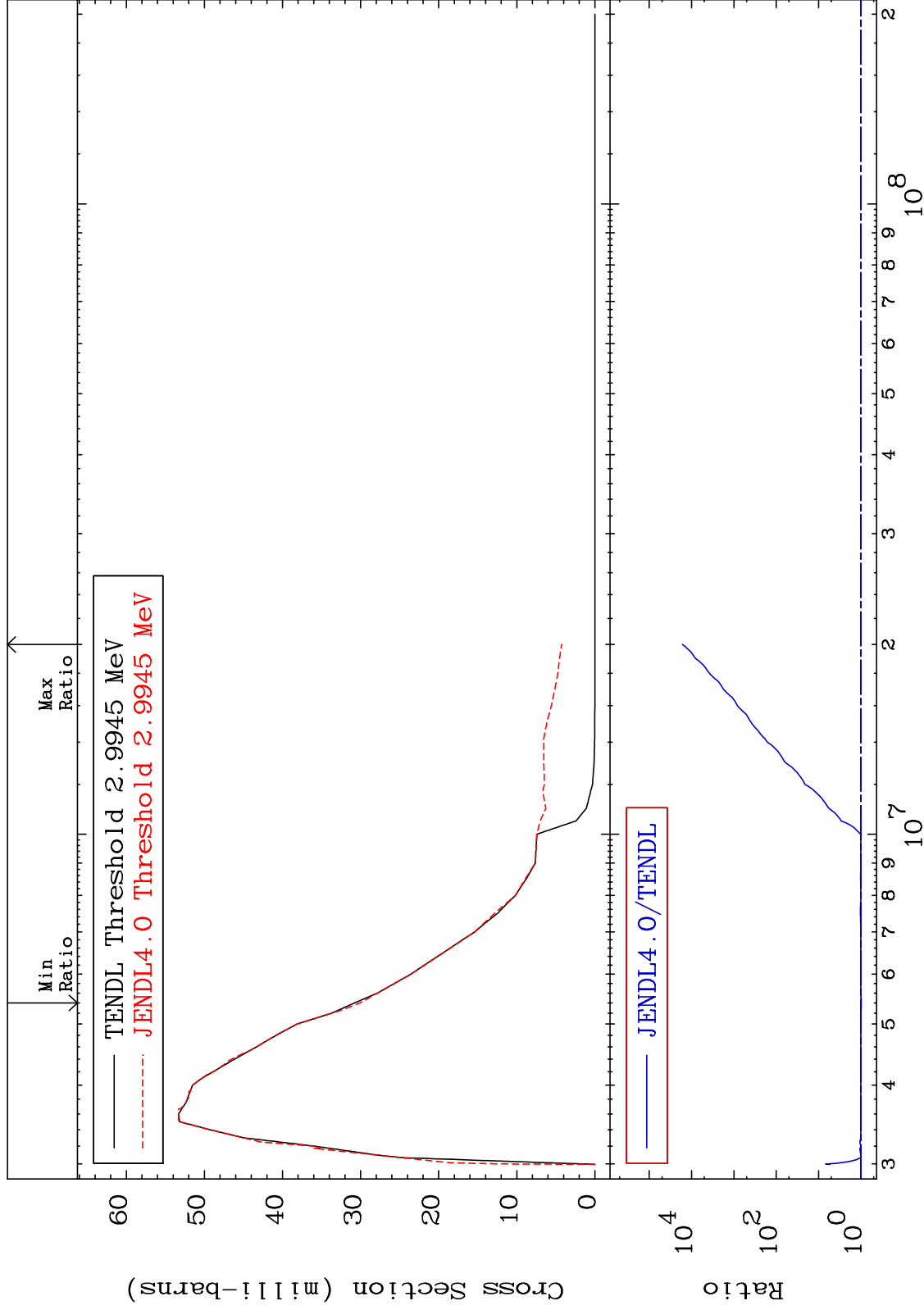


9 26-Fe-56

MAT 2631

MT= 54 (n,n') Level
Cross Section

26-Fe-56
-2.233 To 9999. %

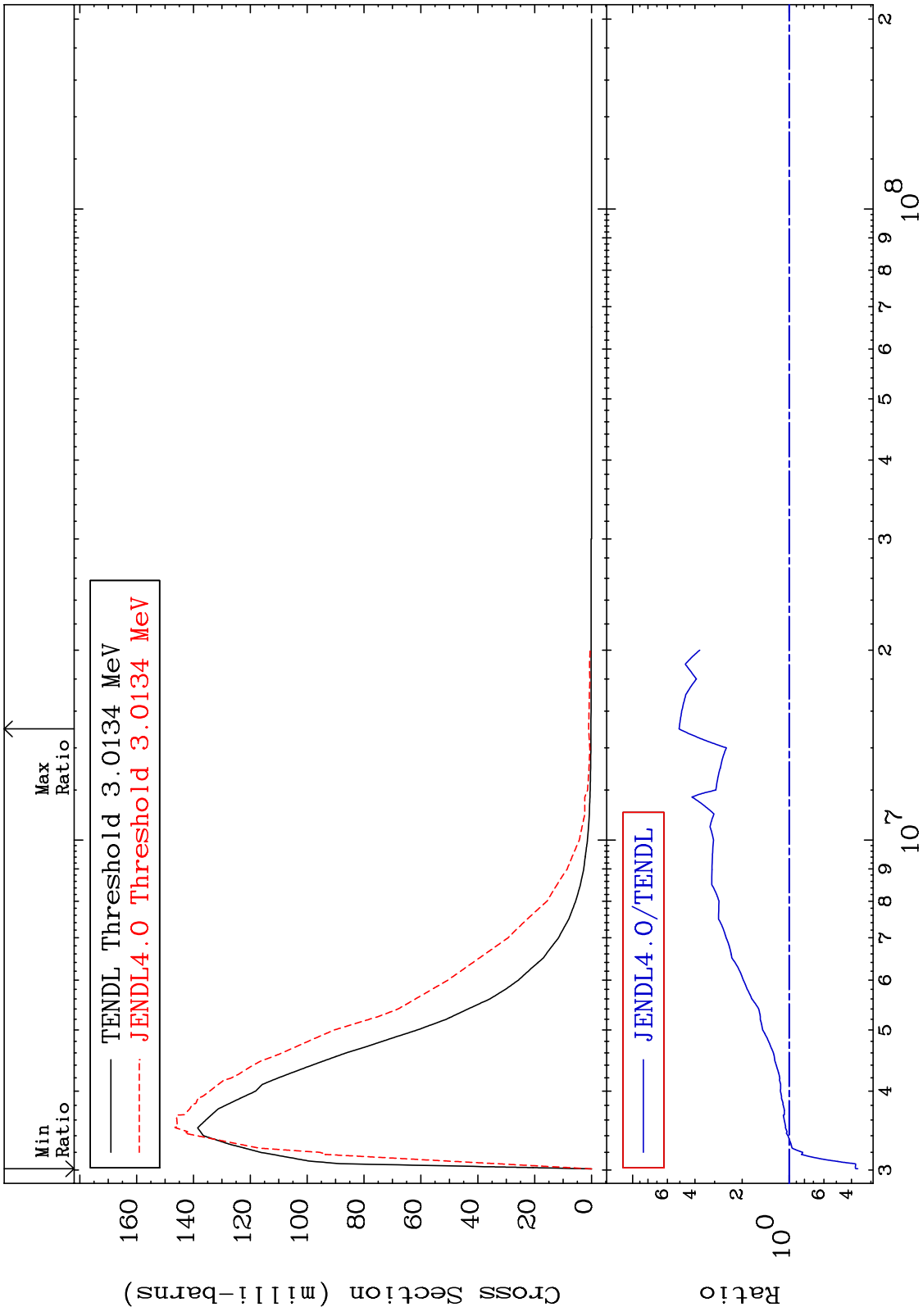


10

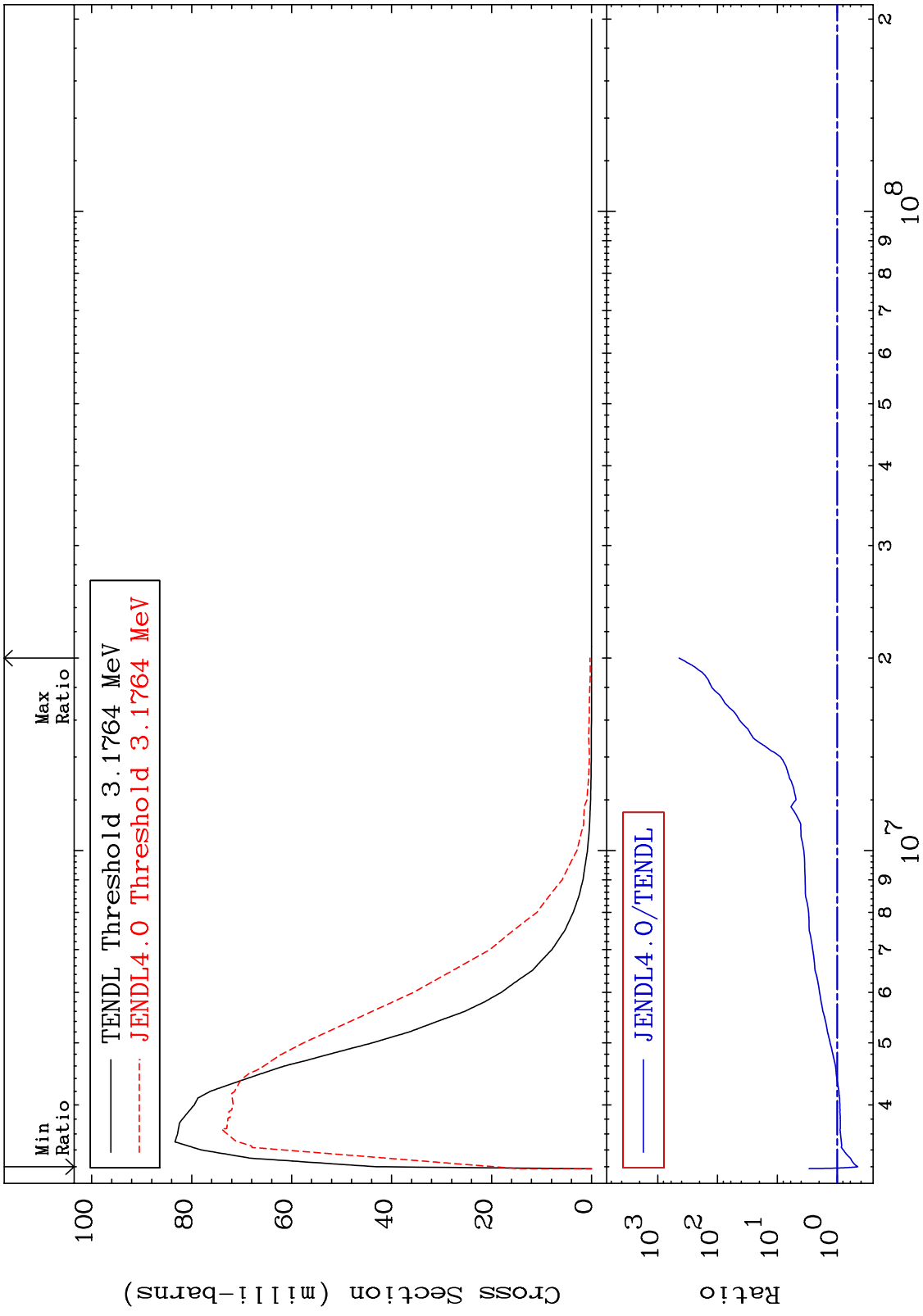
Incident Energy (eV)

26-Fe-56

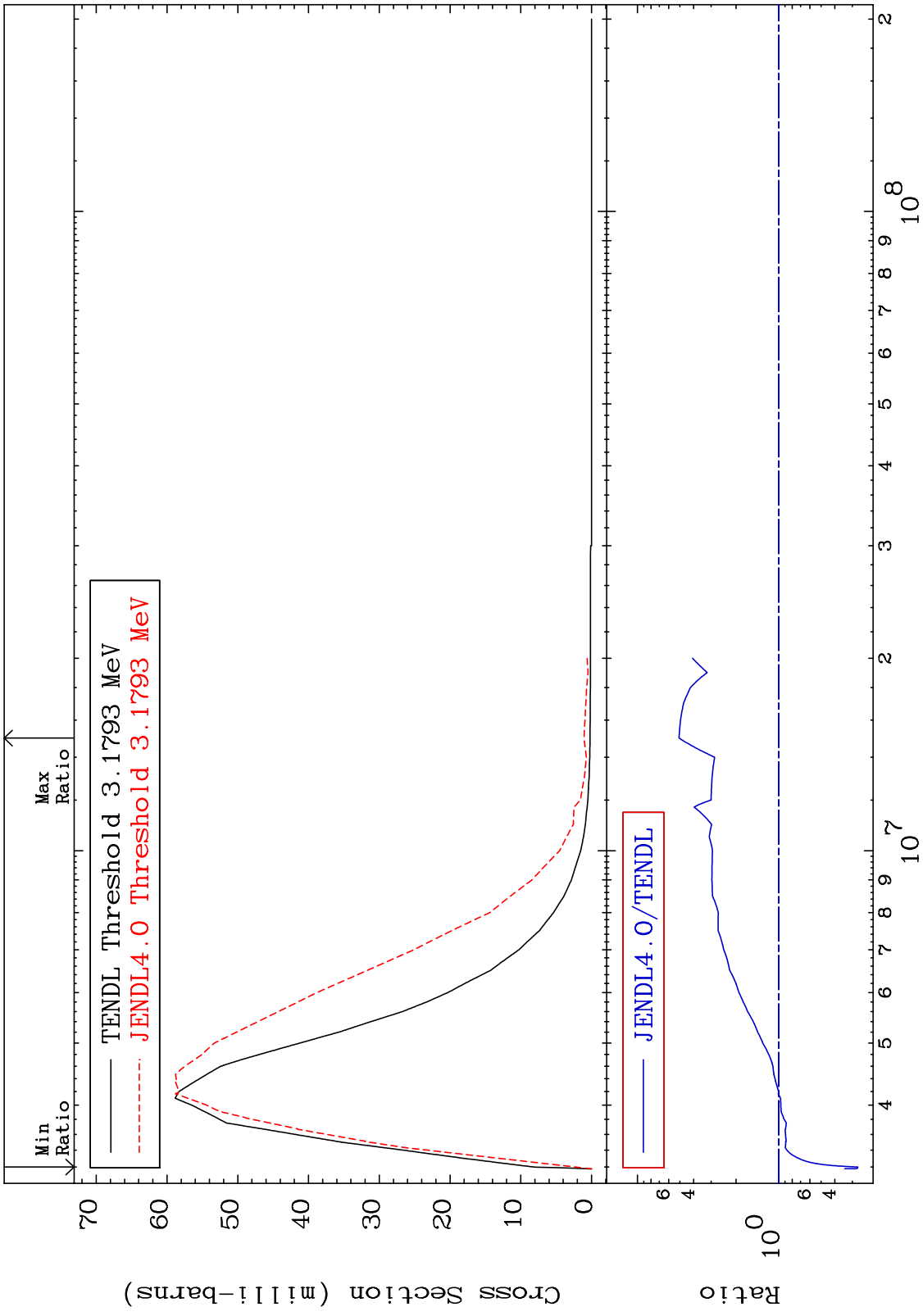
MAT 2631 MT= 55 (n,n') Level Cross Section -63.59 To 405.9 % 26-Fe-56



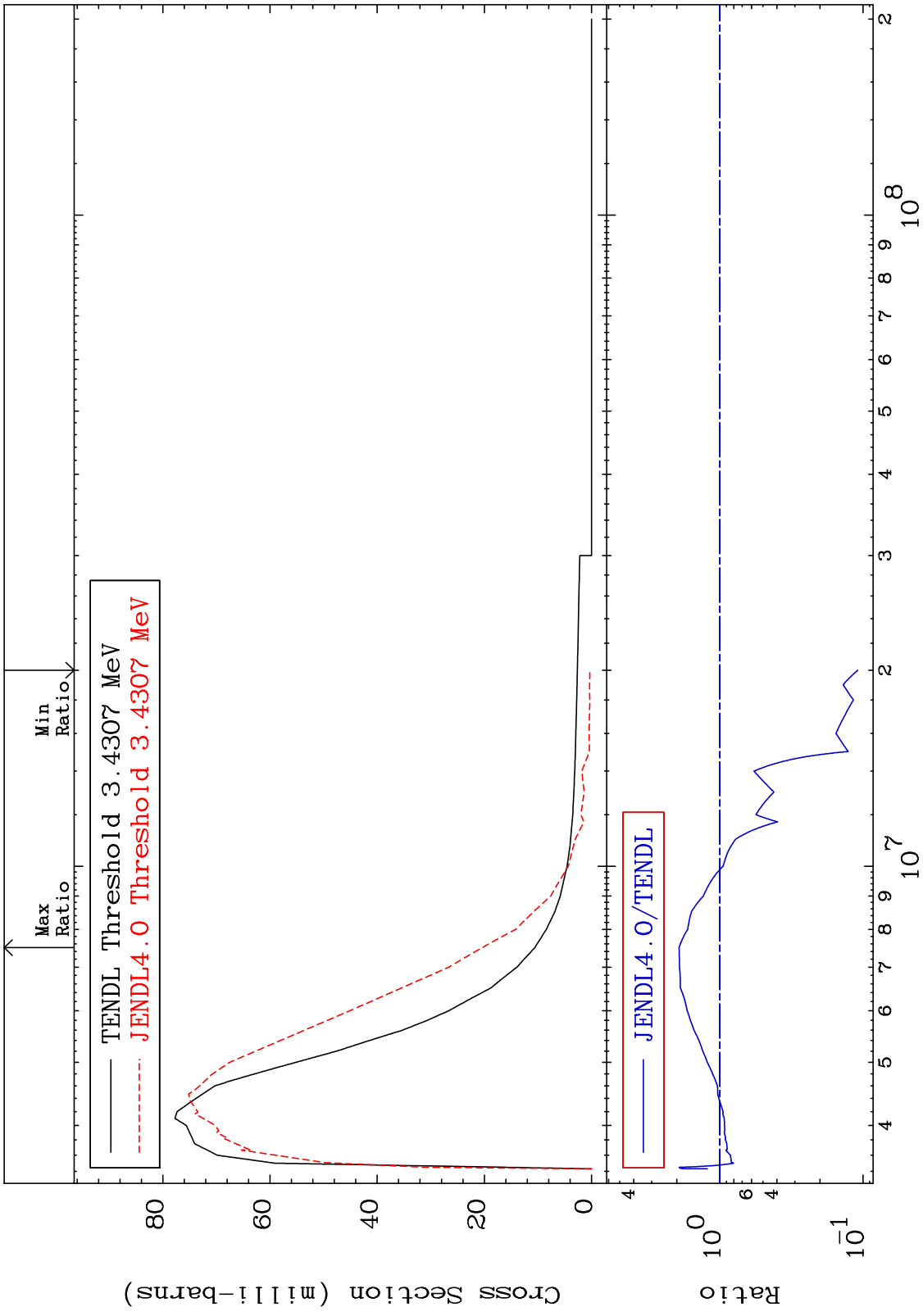
MAT 2631 MT= 56 (n,n') Level Cross Section -54.89 To 9999. % 26-Fe-56



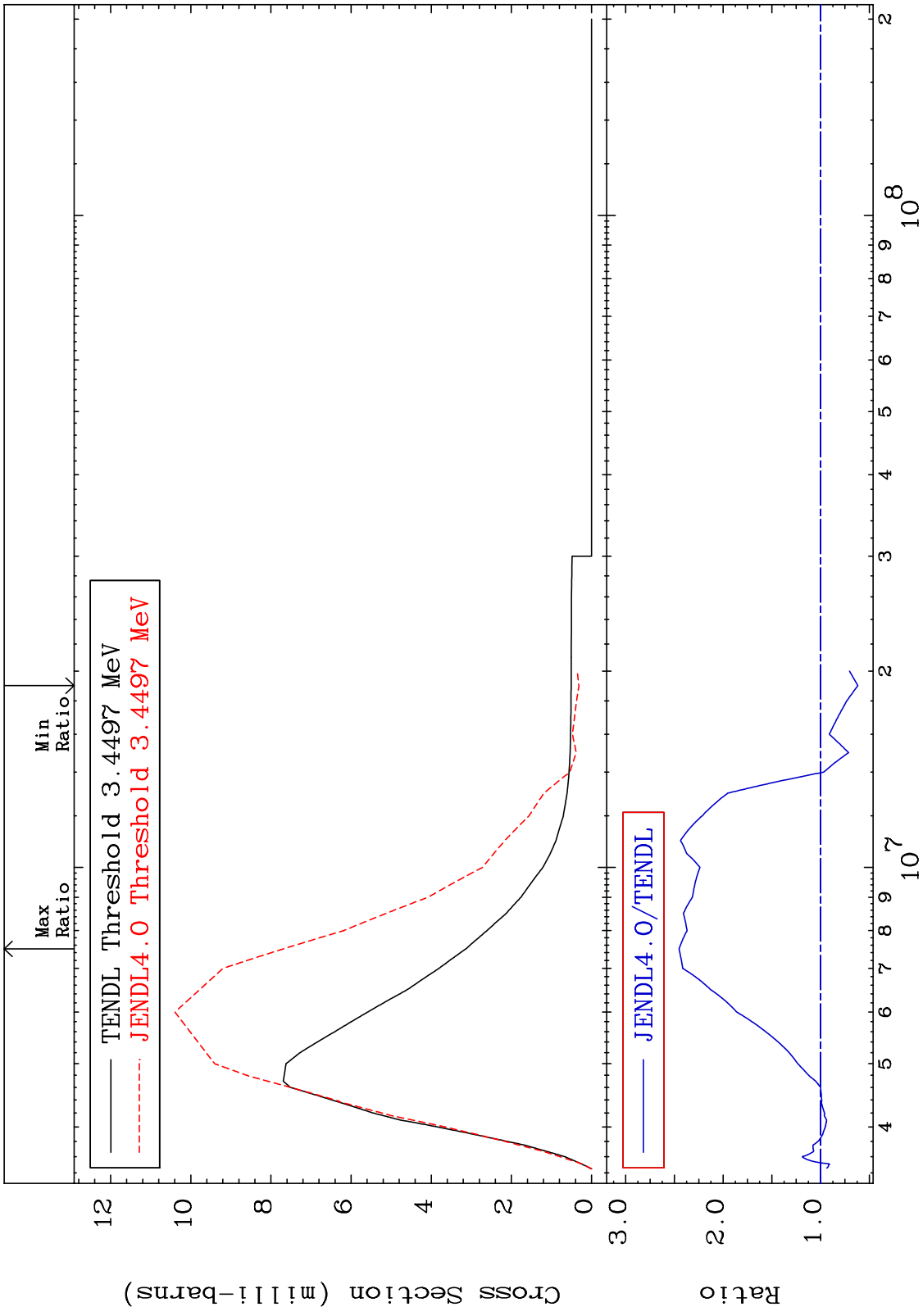
MAT 2631 MT= 57 (n,n') Level Cross Section -72.54 To 407.0 % 26-Fe-56



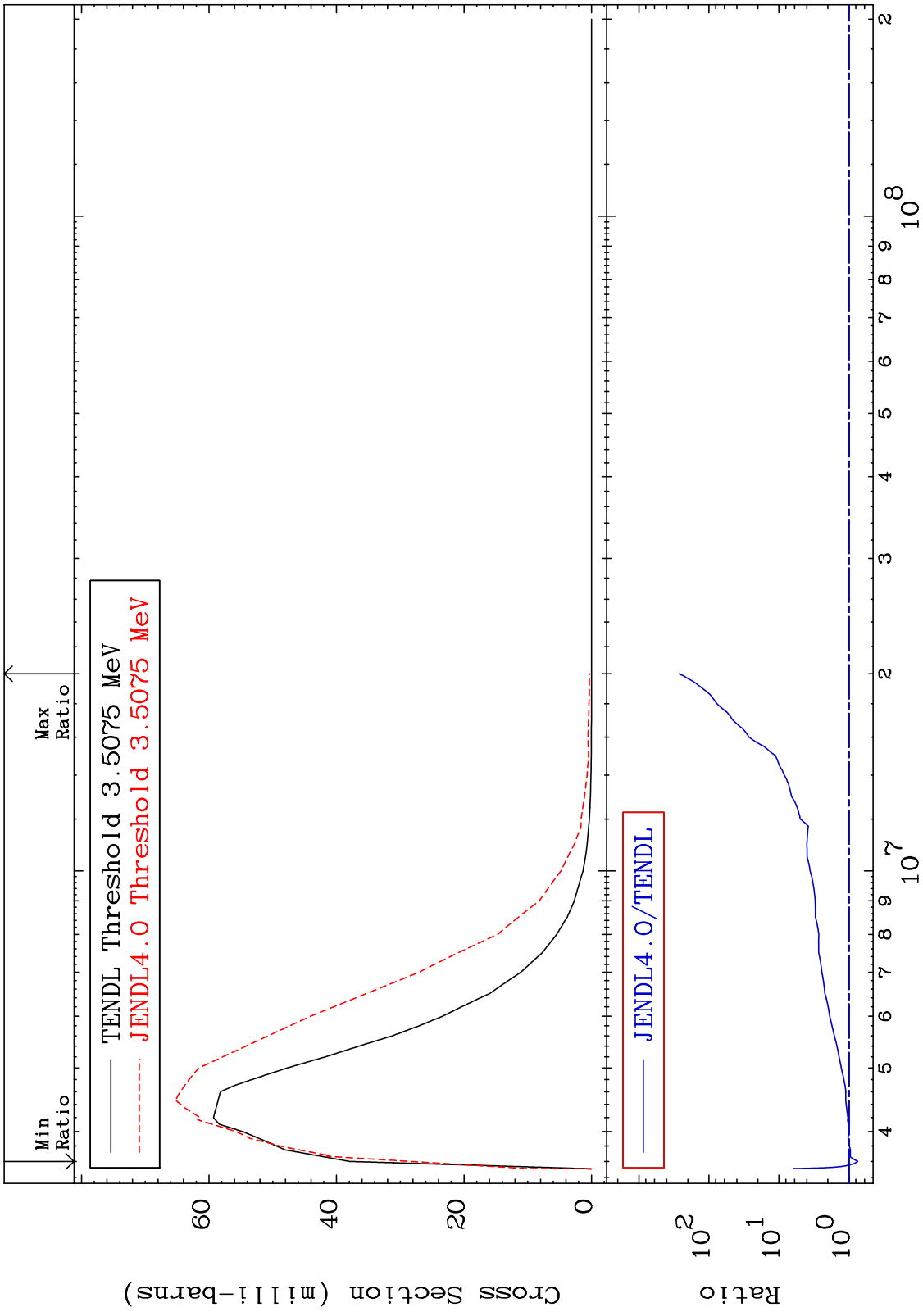
MAT 2631 MT= 58 (n,n') Level Cross Section 26-Fe-56
 -89.13 To 92.90 %



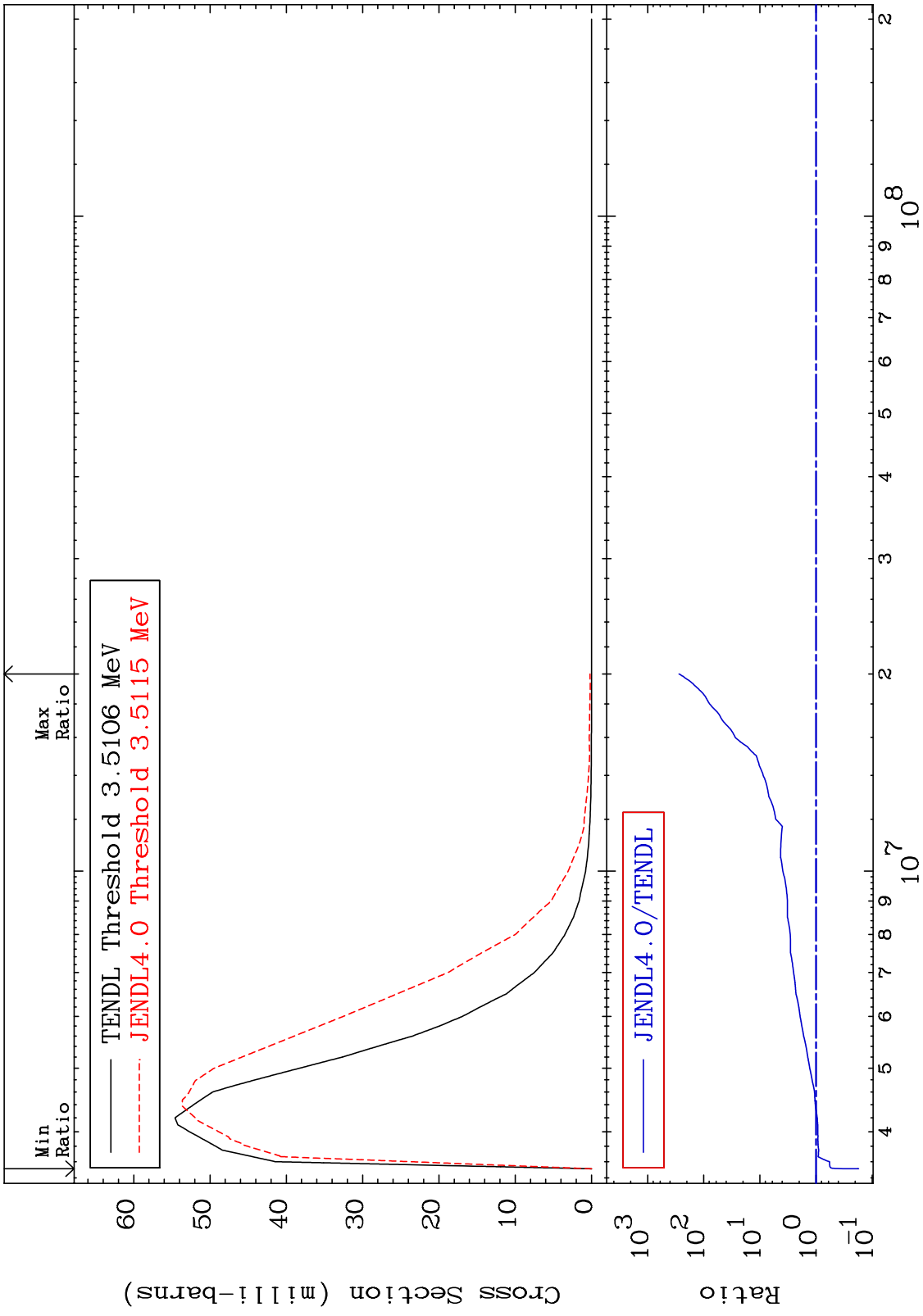
MAT 2631 MT= 59 (n,n') Level Cross Section -38.24 To 145.3 % 26-Fe-56



MAT 2631 MT= 60 (n,n') Level Cross Section -25.19 To 9999. % 26-Fe-56



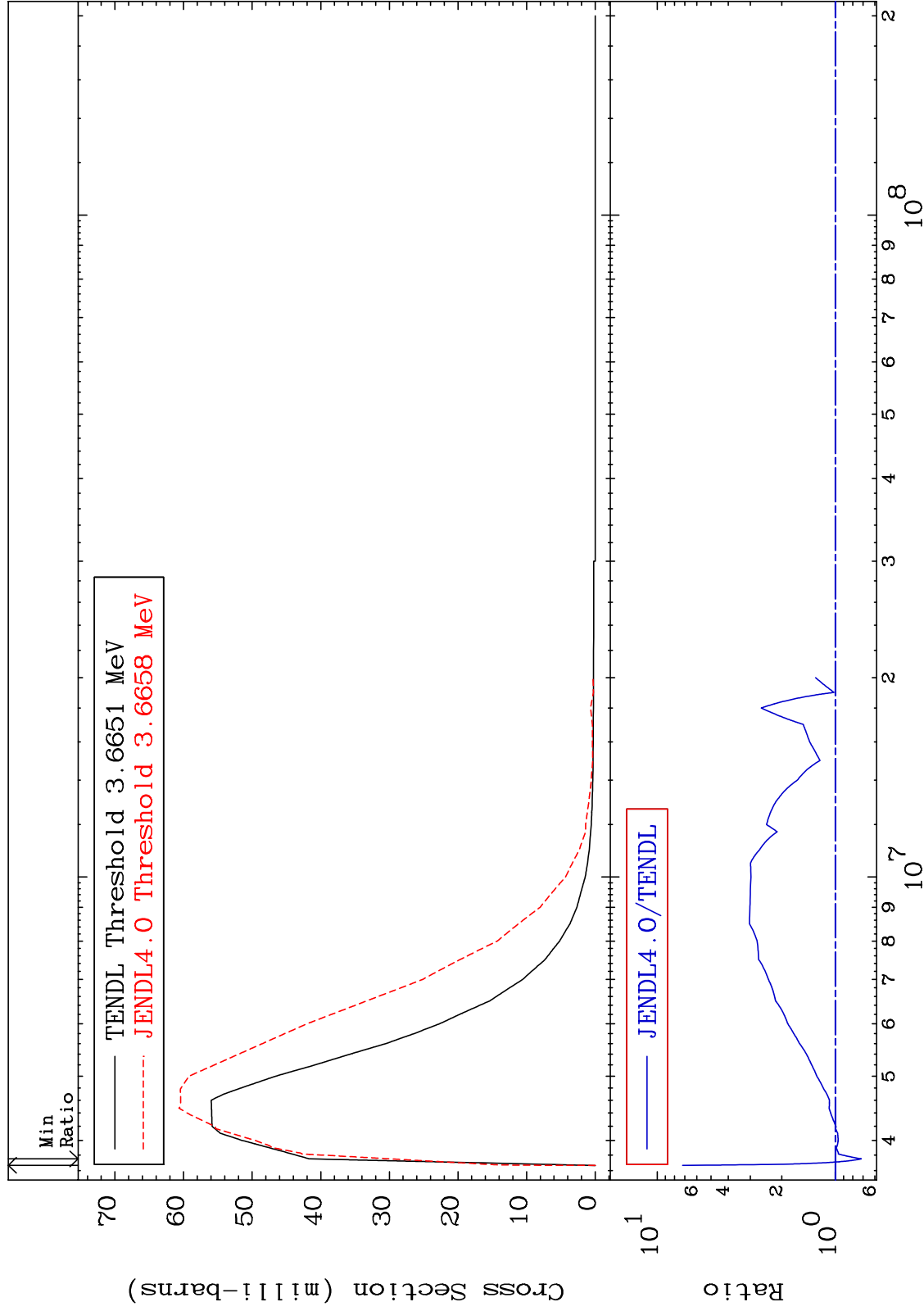
MAT 2631 MT= 61 (n,n') Level Cross Section -82.03 To 9999. % 26-Fe-56



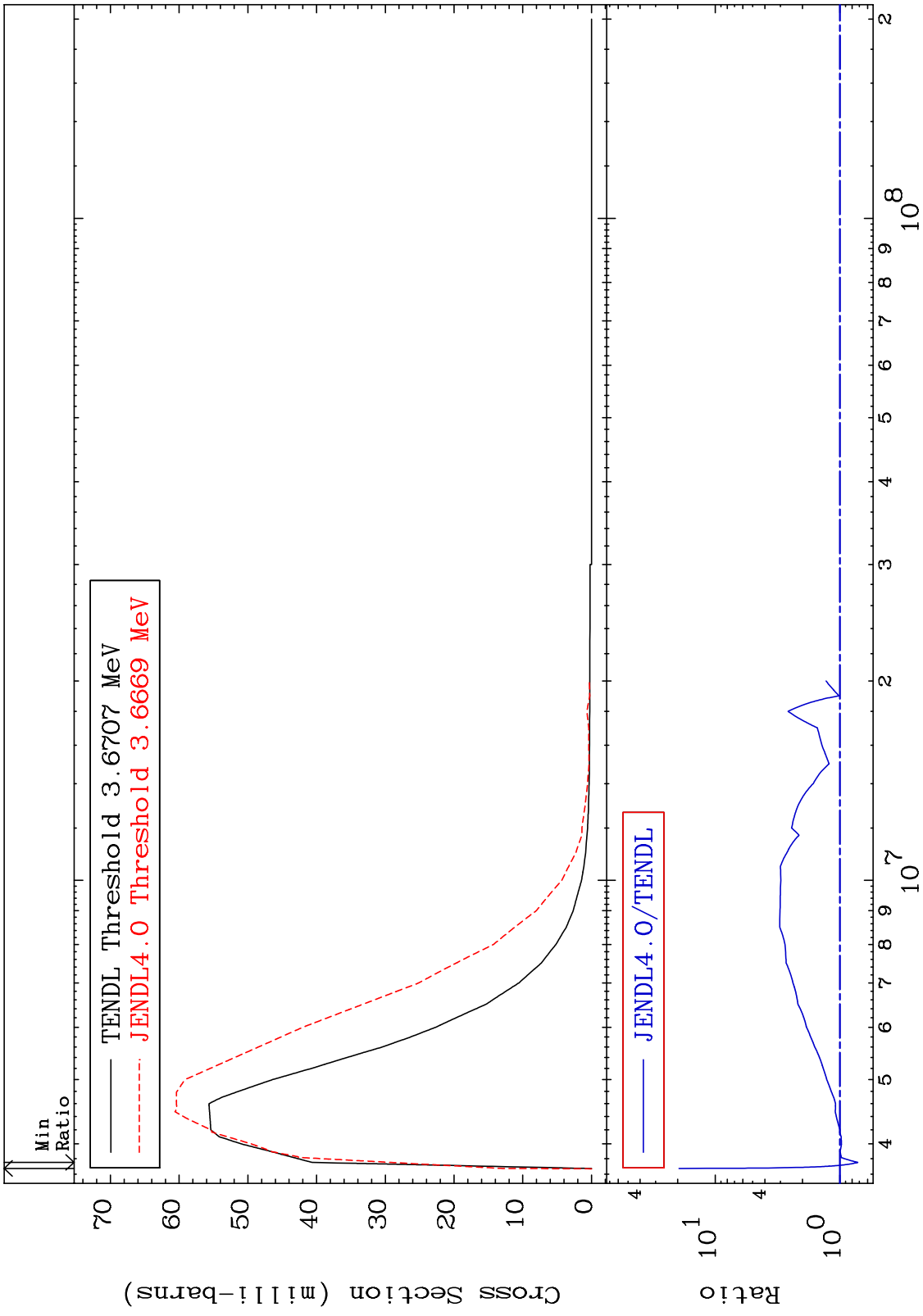
MAT 2631

MT= 62 (n,n') Level
Cross Section

26-Fe-56
-28.49 To 620.3 %



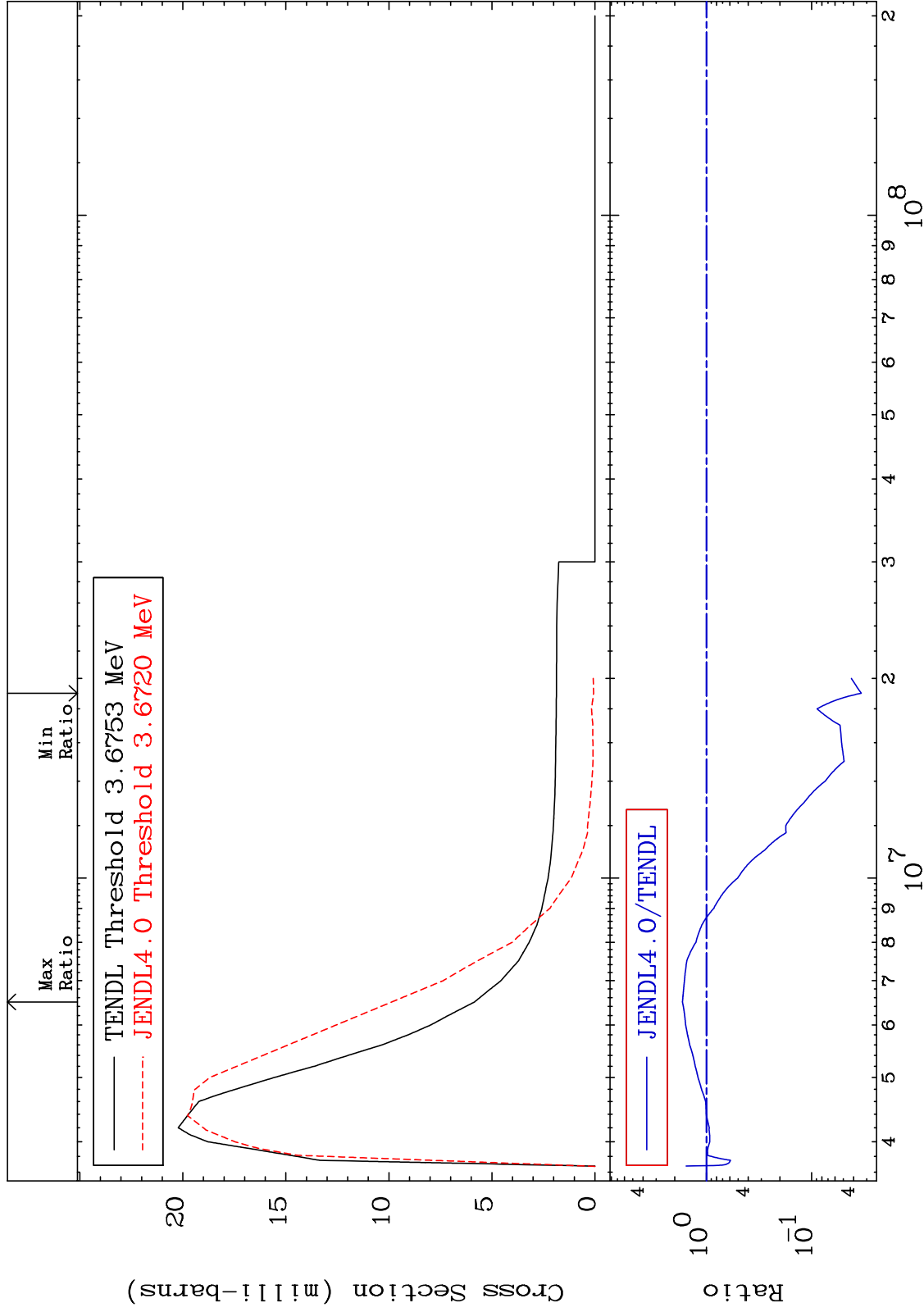
MAT 2631 MT= 63 (n,n') Level Cross Section -28.14 To 1848. % 26-Fe-56



MAT 2631

MT= 64 (n,n') Level
Cross Section

26-Fe-56
-96.62 To 68.75 %

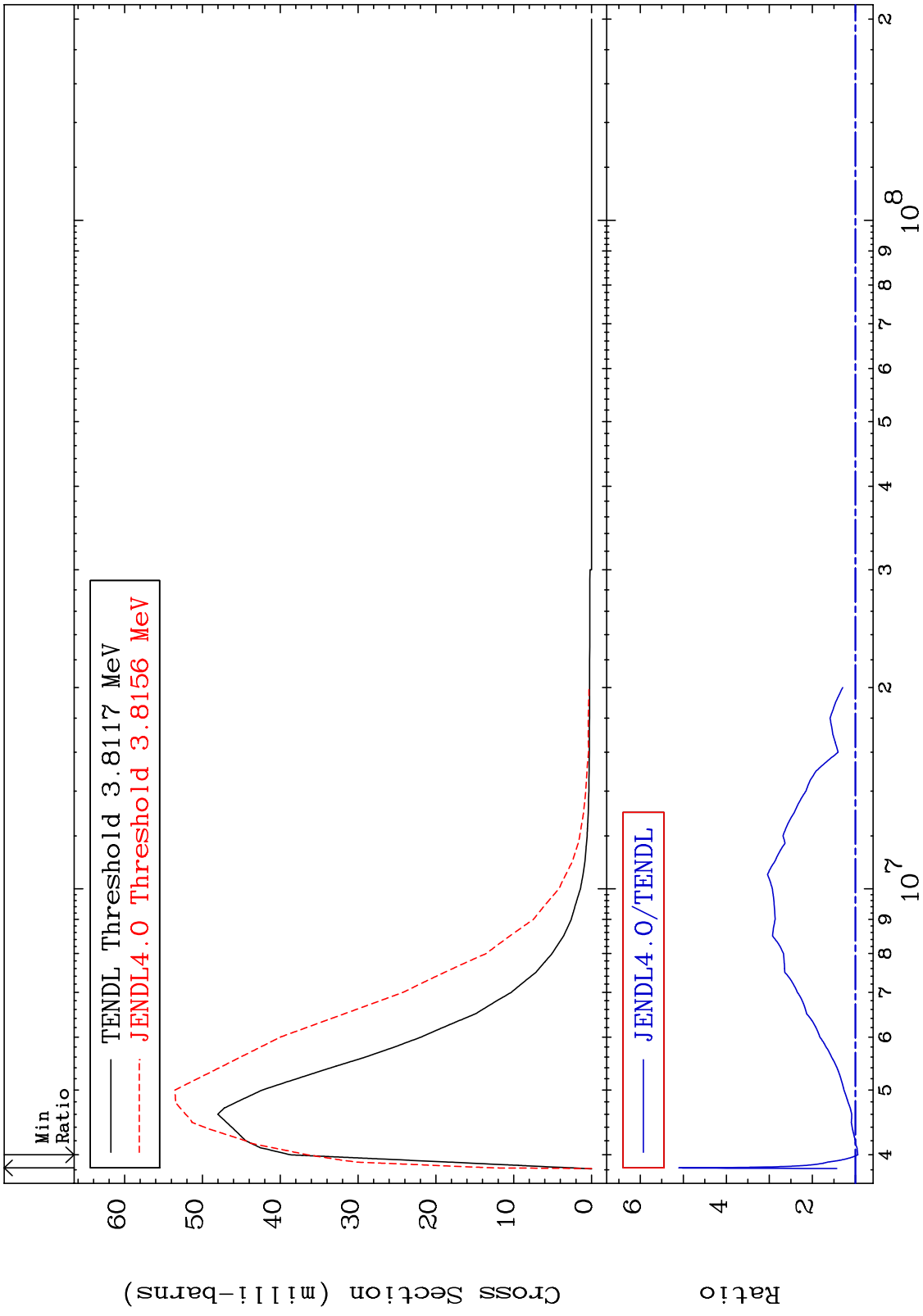


20

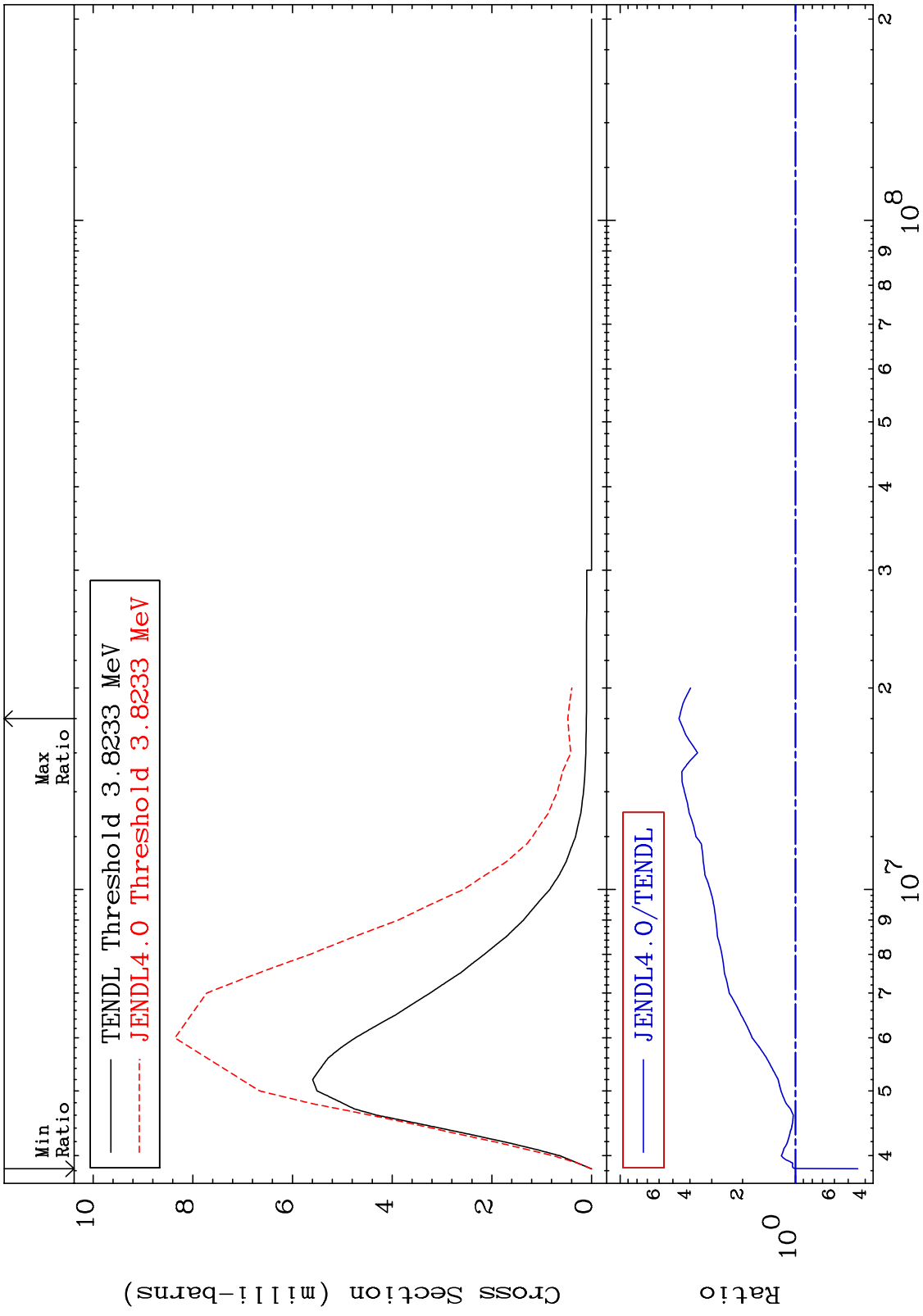
Incident Energy (eV)

26-Fe-56

MAT 2631 MT= 65 (n,n') Level Cross Section -5.673 To 409.9 % 26-Fe-56



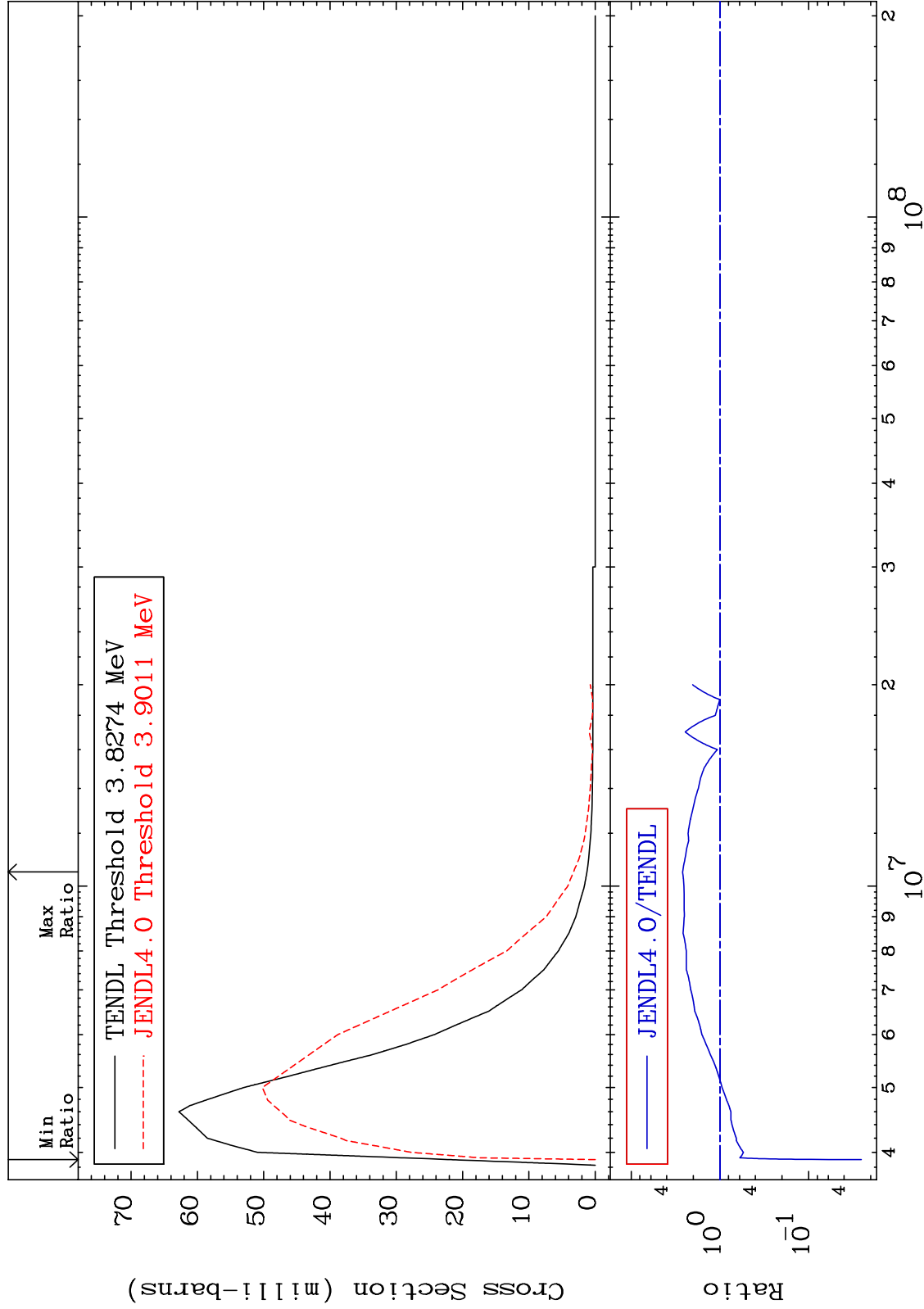
MAT 2631 MT= 66 (n,n') Level Cross Section -55.95 To 361.0 % 26-Fe-56



MAT 2631

MT= 67 (n,n') Level
Cross Section

26-Fe-56
-97.45 To 163.3 %

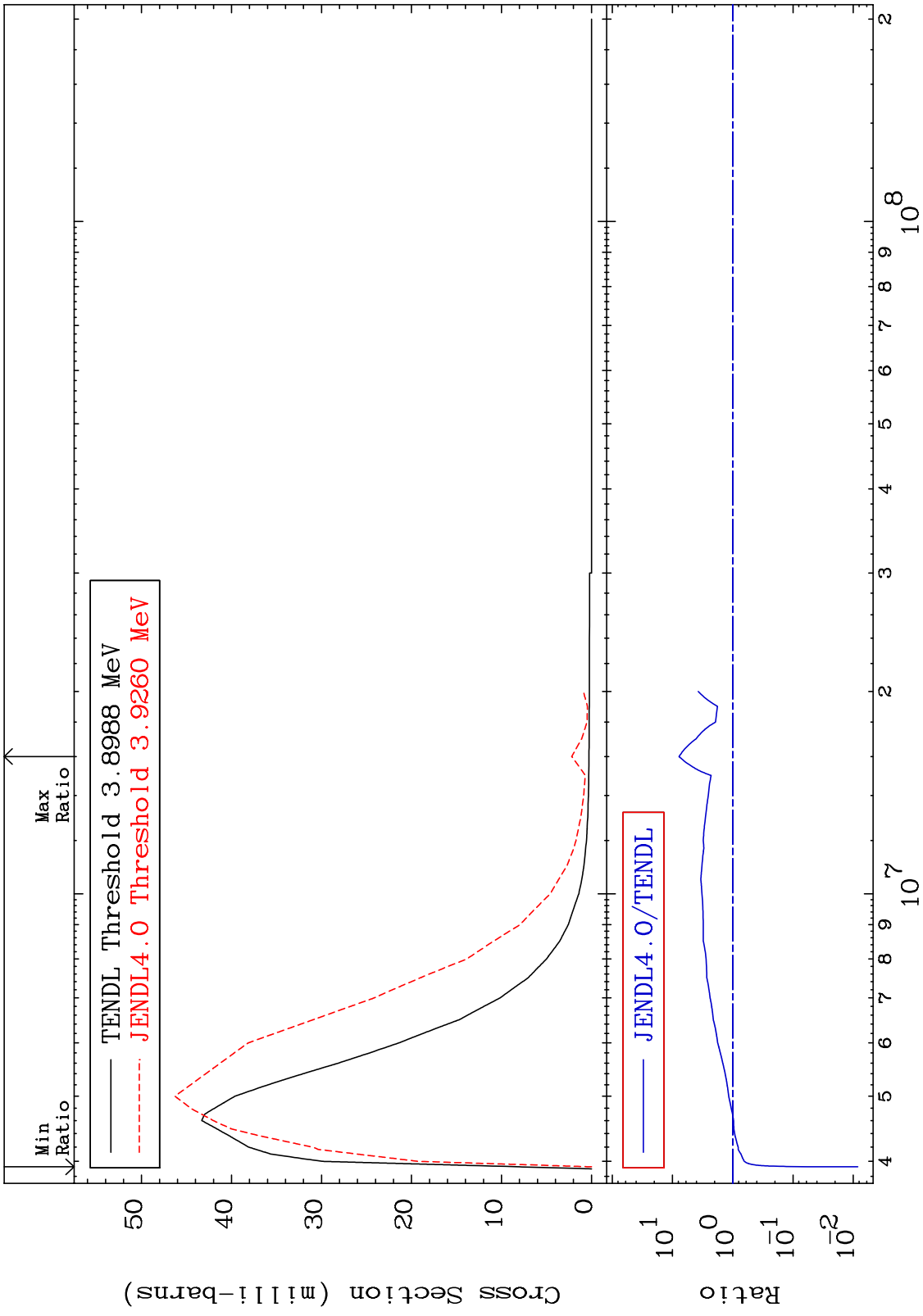


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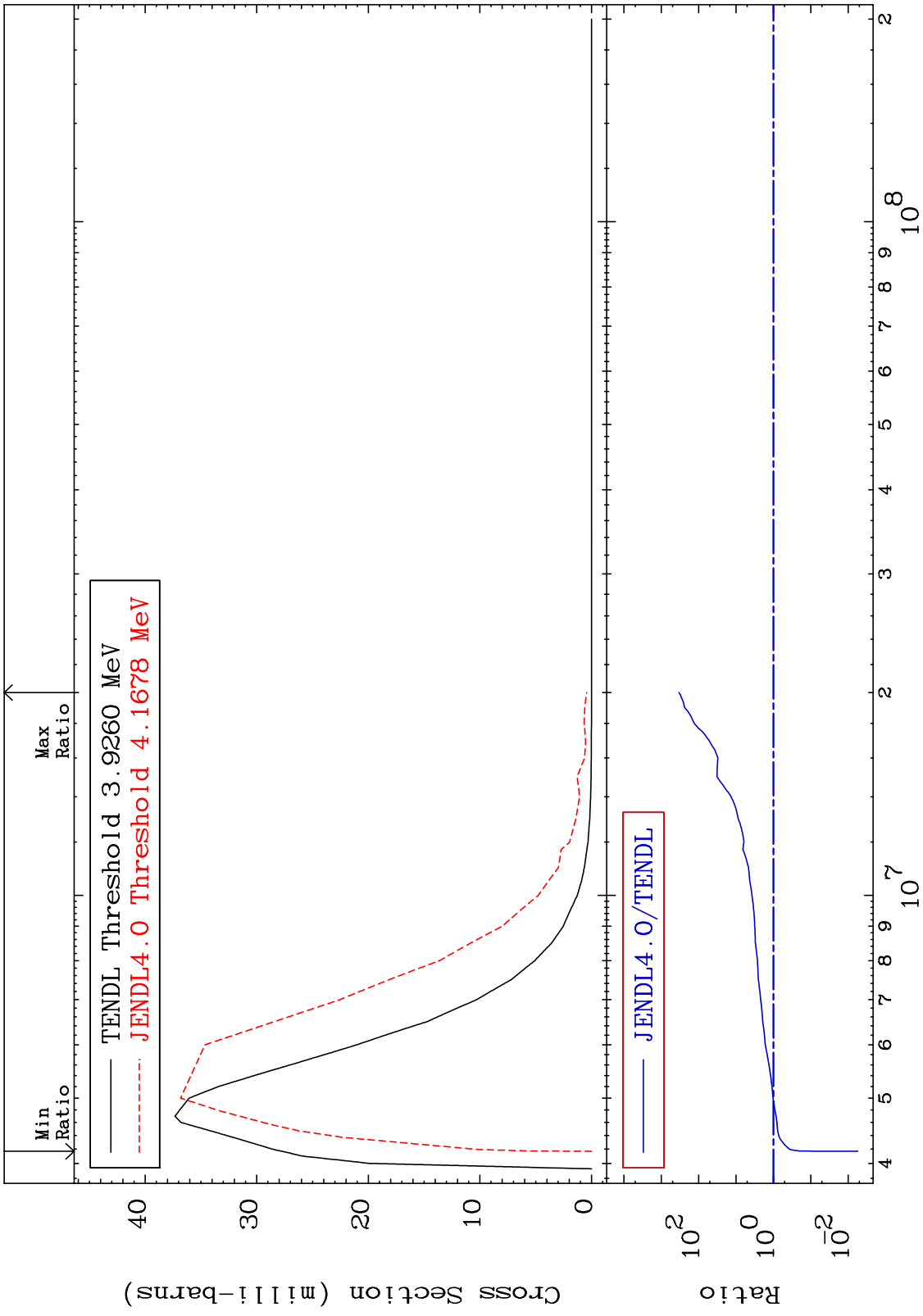
Incident Energy (eV)

26-Fe-56

MAT 2631 MT= 68 (n,n') Level Cross Section 26-Fe-56
 -99.16 To 679.0 %



MAT 2631 MT= 69 (n,n') Level Cross Section 26-Fe-56
 -99.45 To 9999. %

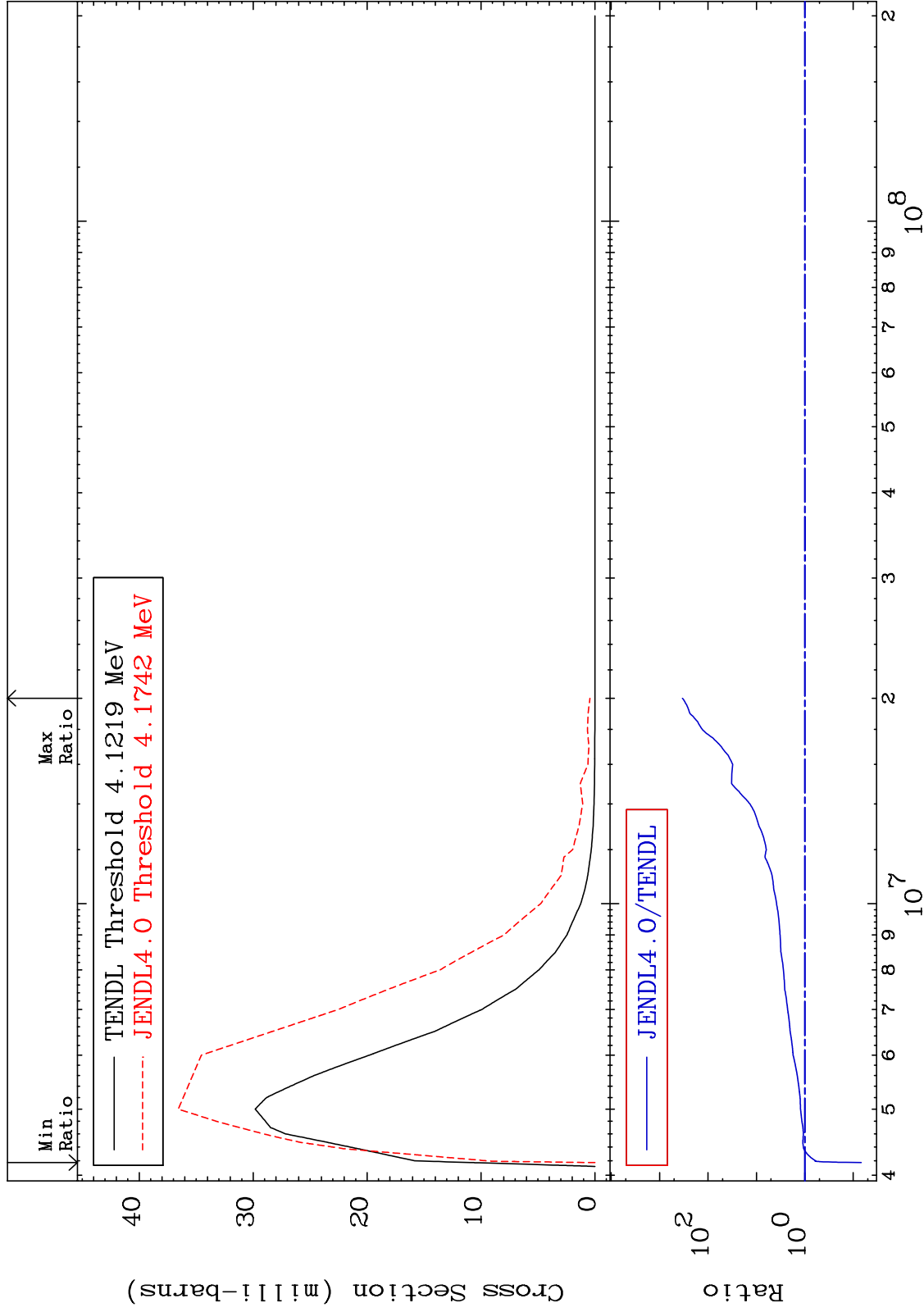


25 Incident Energy (eV) 26-Fe-56

MAT 2631

MT= 70 (n,n') Level
Cross Section

26-Fe-56
-93.18 To 9999. %

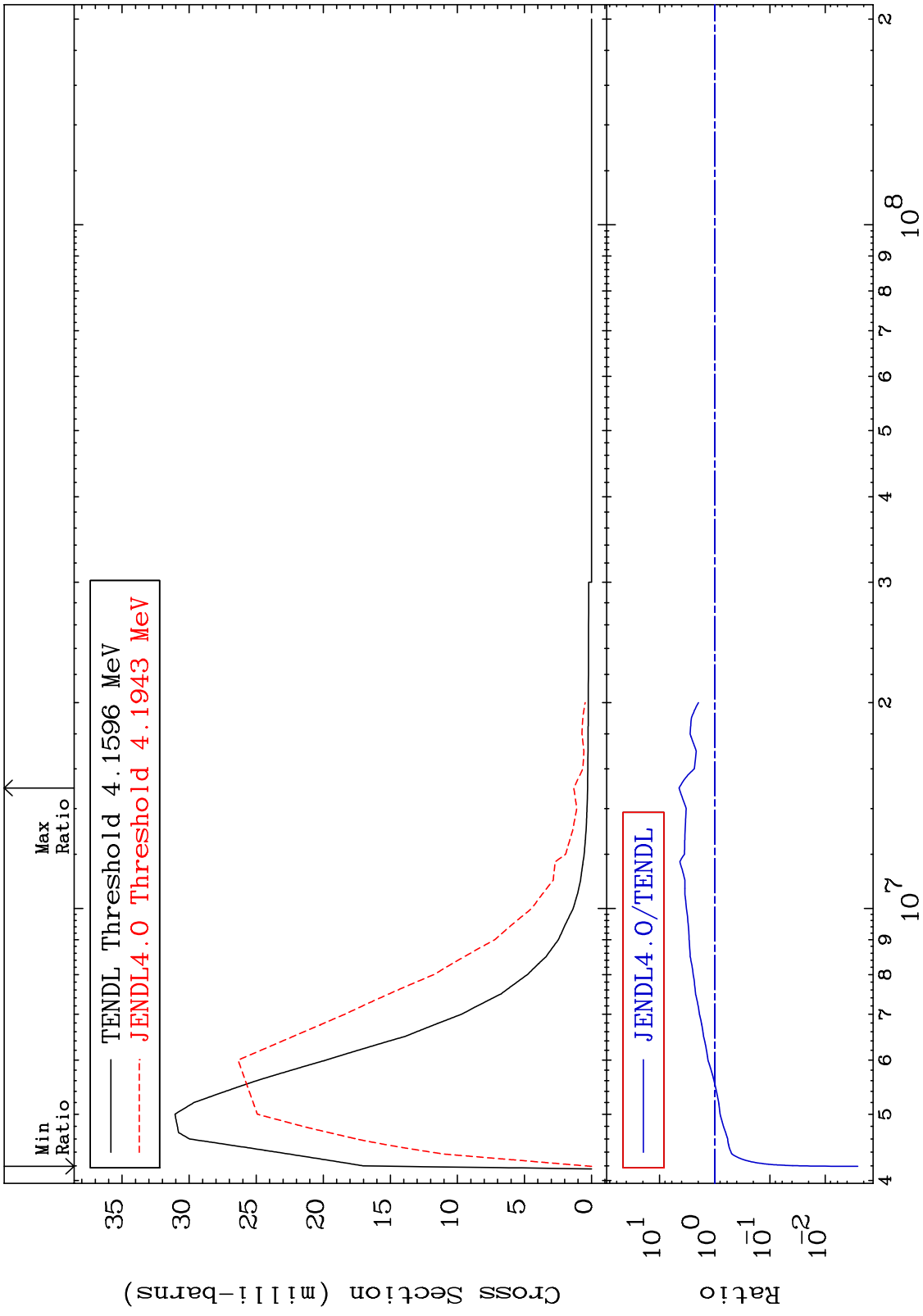


26

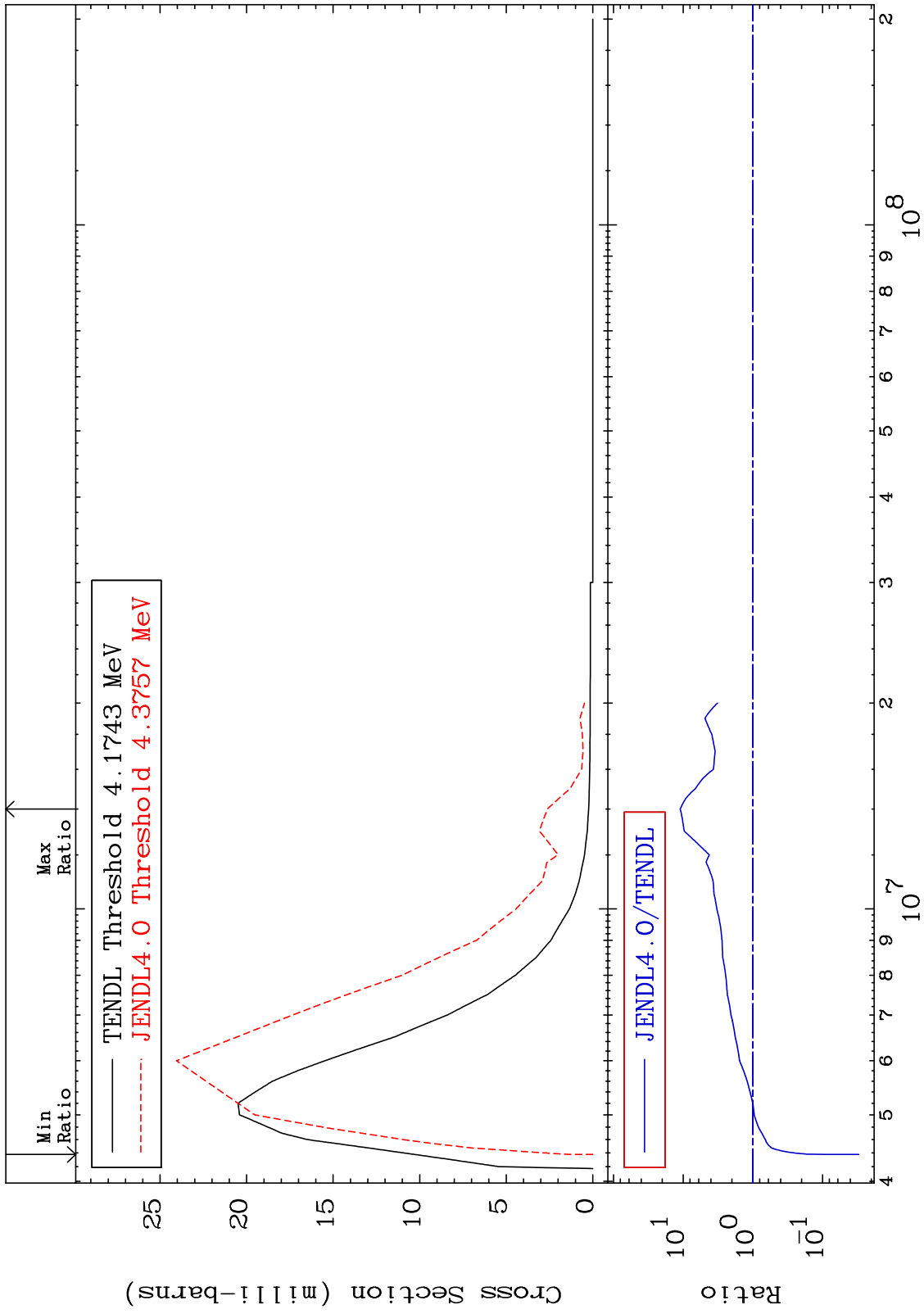
Incident Energy (eV)

26-Fe-56

MAT 2631 MT= 71 (n,n') Level Cross Section -99.74 To 344.7 % 26-Fe-56

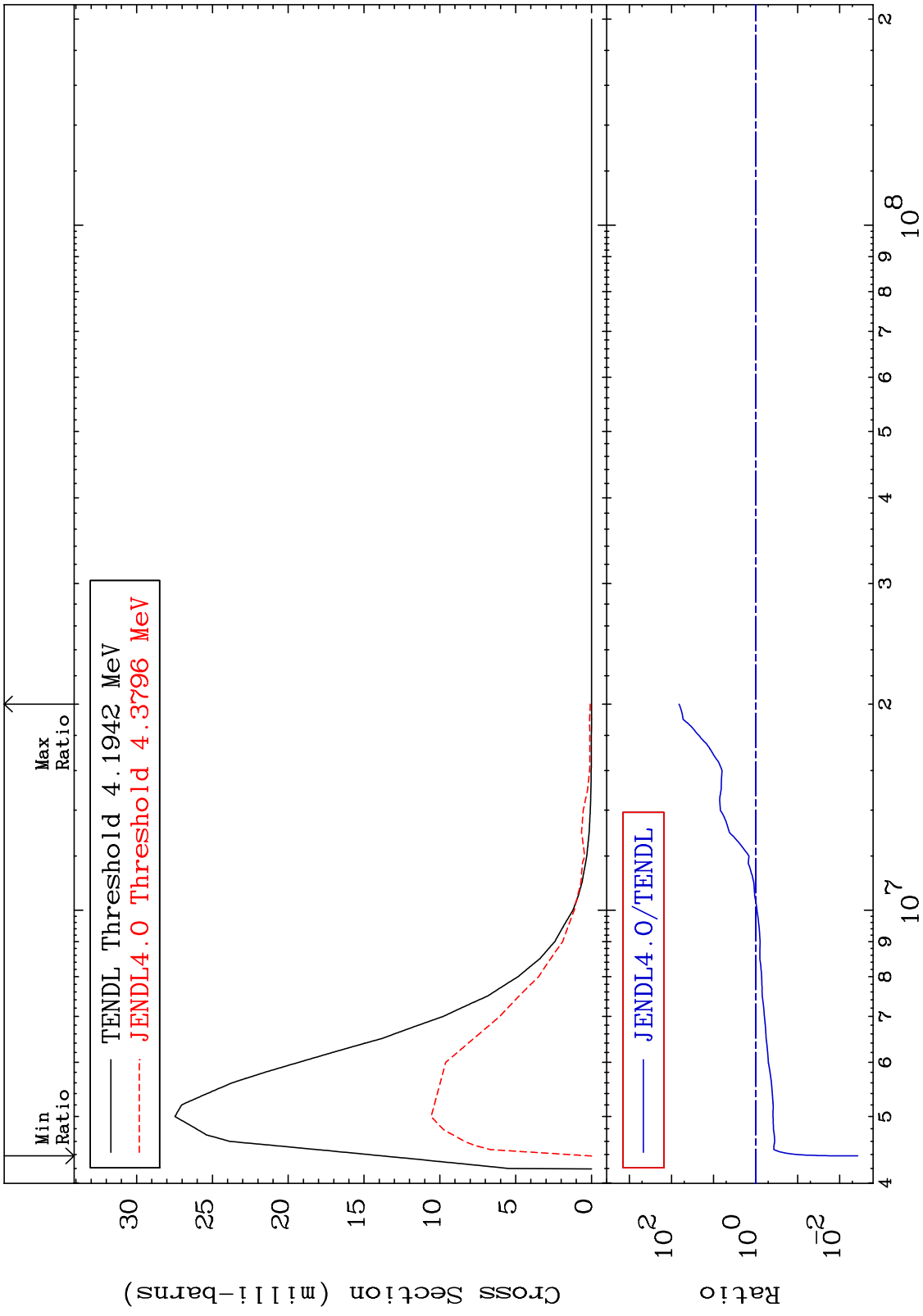


MAT 2631 MT= 72 (n,n') Level Cross Section -97.00 To 1006. % 26-Fe-56

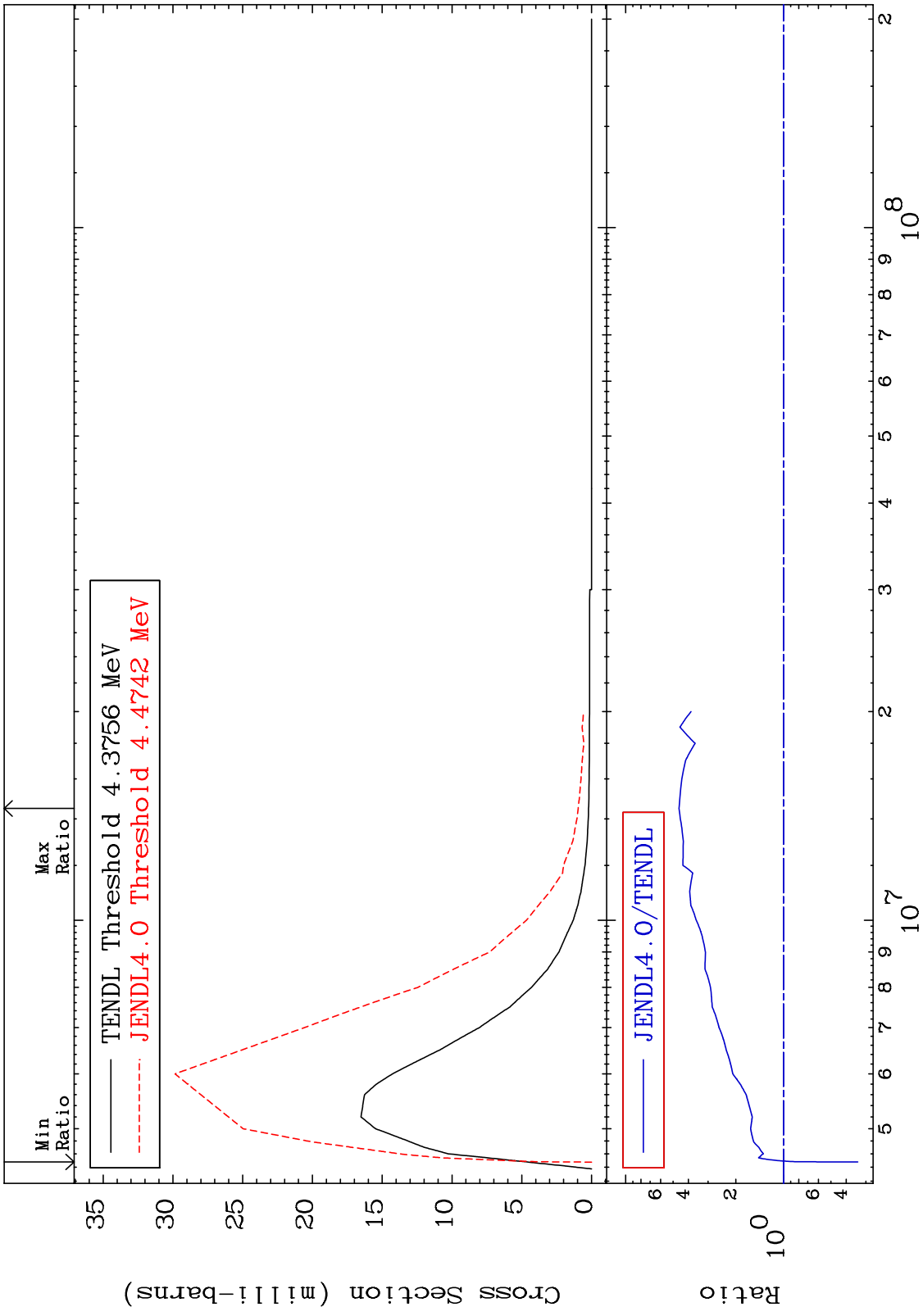


28 Incident Energy (eV) 26-Fe-56

MAT 2631 MT= 73 (n,n') Level Cross Section 26-Fe-56
 -99.63 To 6510. %



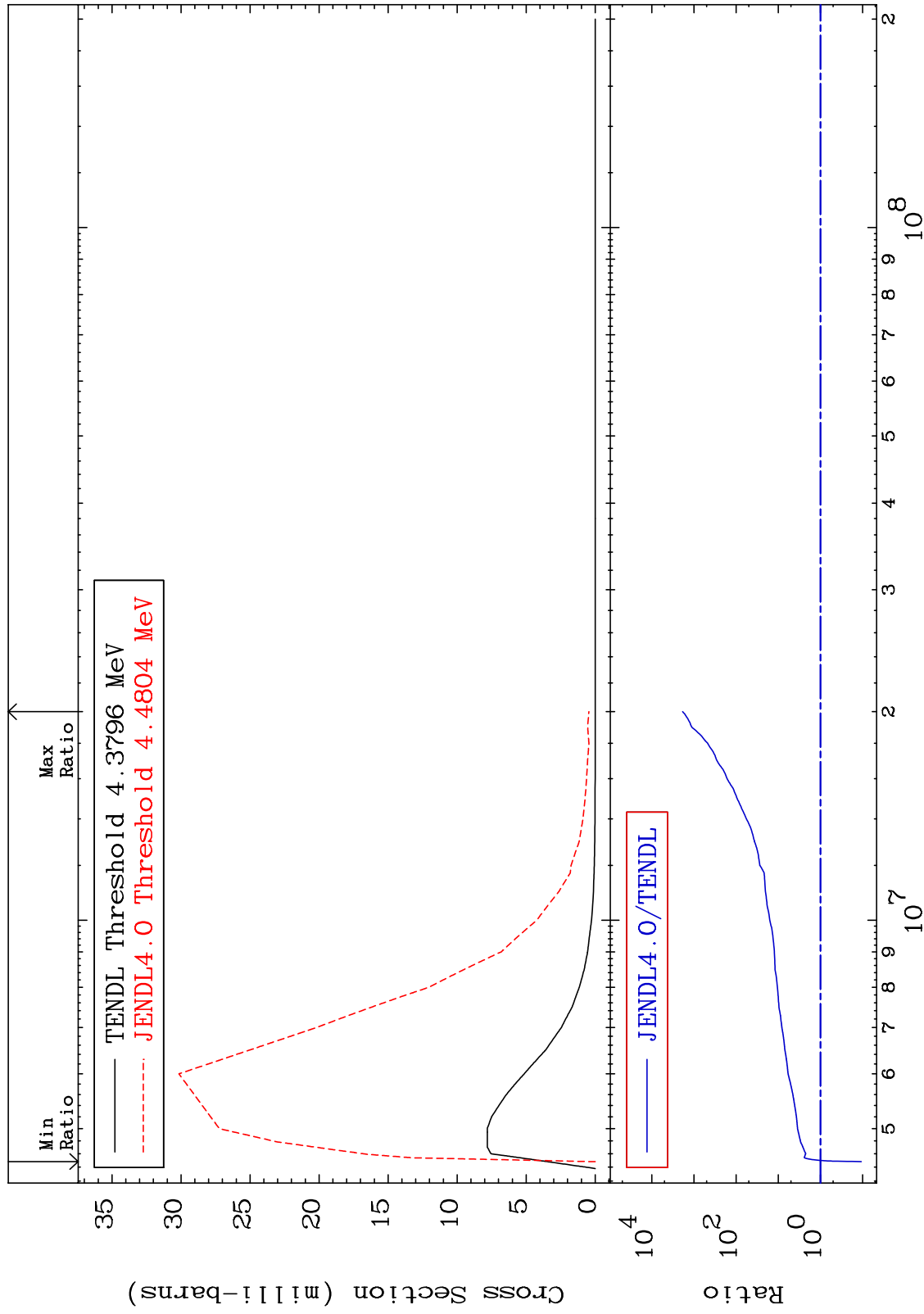
MAT 2631 MT= 74 (n,n') Level Cross Section -66.26 To 358.4 % 26-Fe-56



MAT 2631

MT= 75 (n,n') Level
Cross Section

26-Fe-56
-89.32 To 9999. %



31

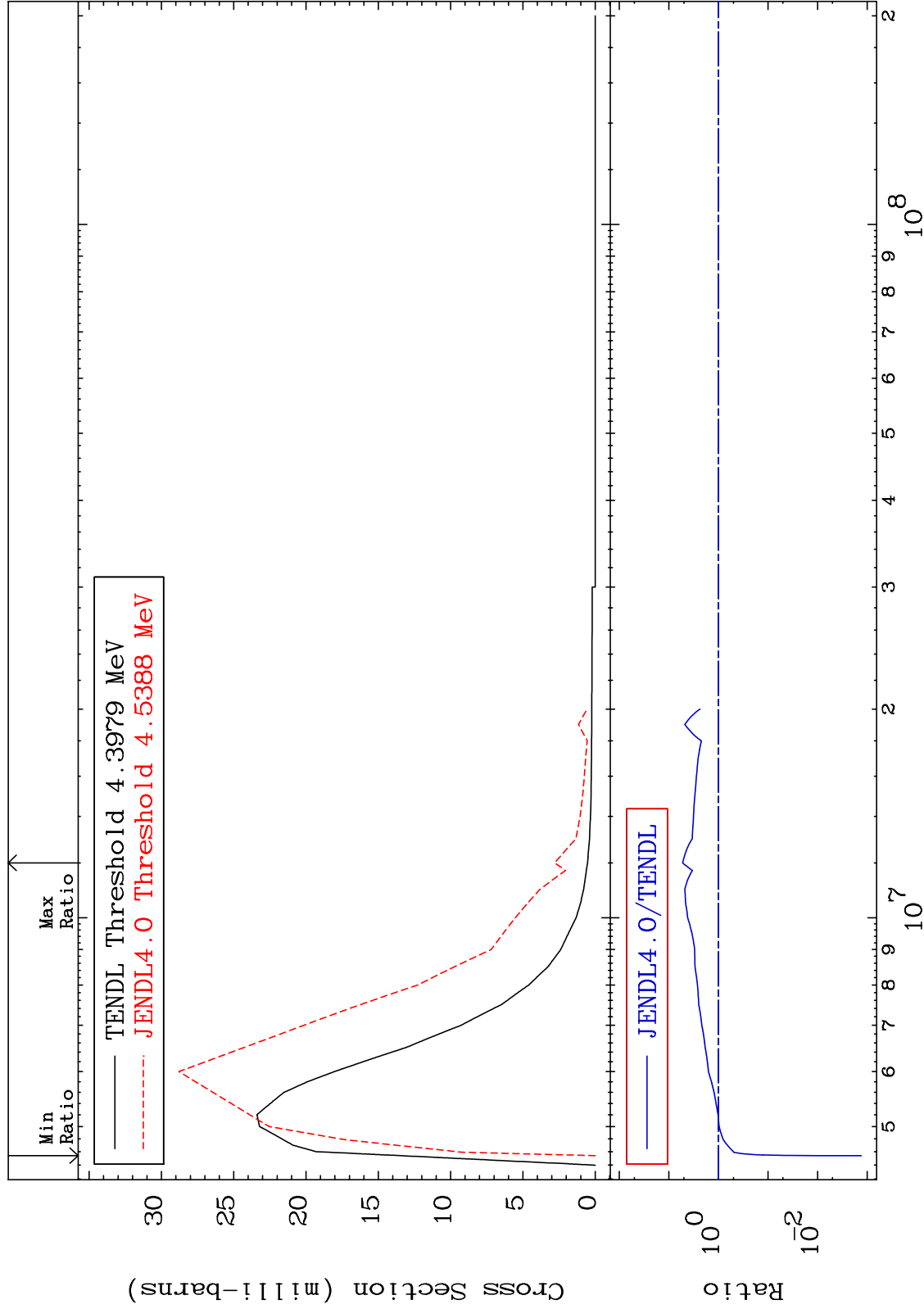
Incident Energy (eV)

26-Fe-56

MAT 2631

MT= 76 (n,n') Level
Cross Section

26-Fe-56
-99.87 To 428.0 %



32

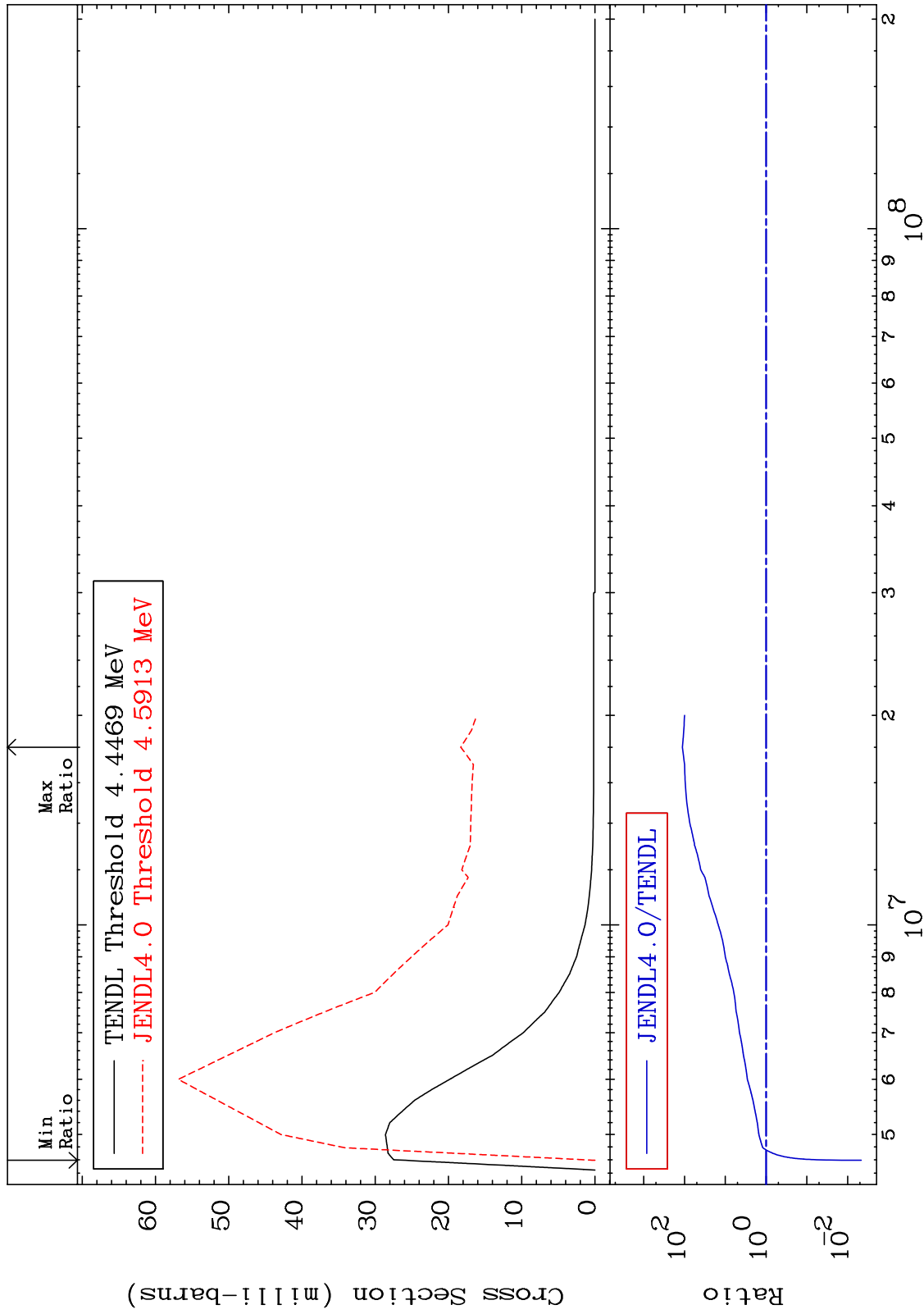
Incident Energy (eV)

26-Fe-56

MAT 2631

MT= 77 (n,n') Level
Cross Section

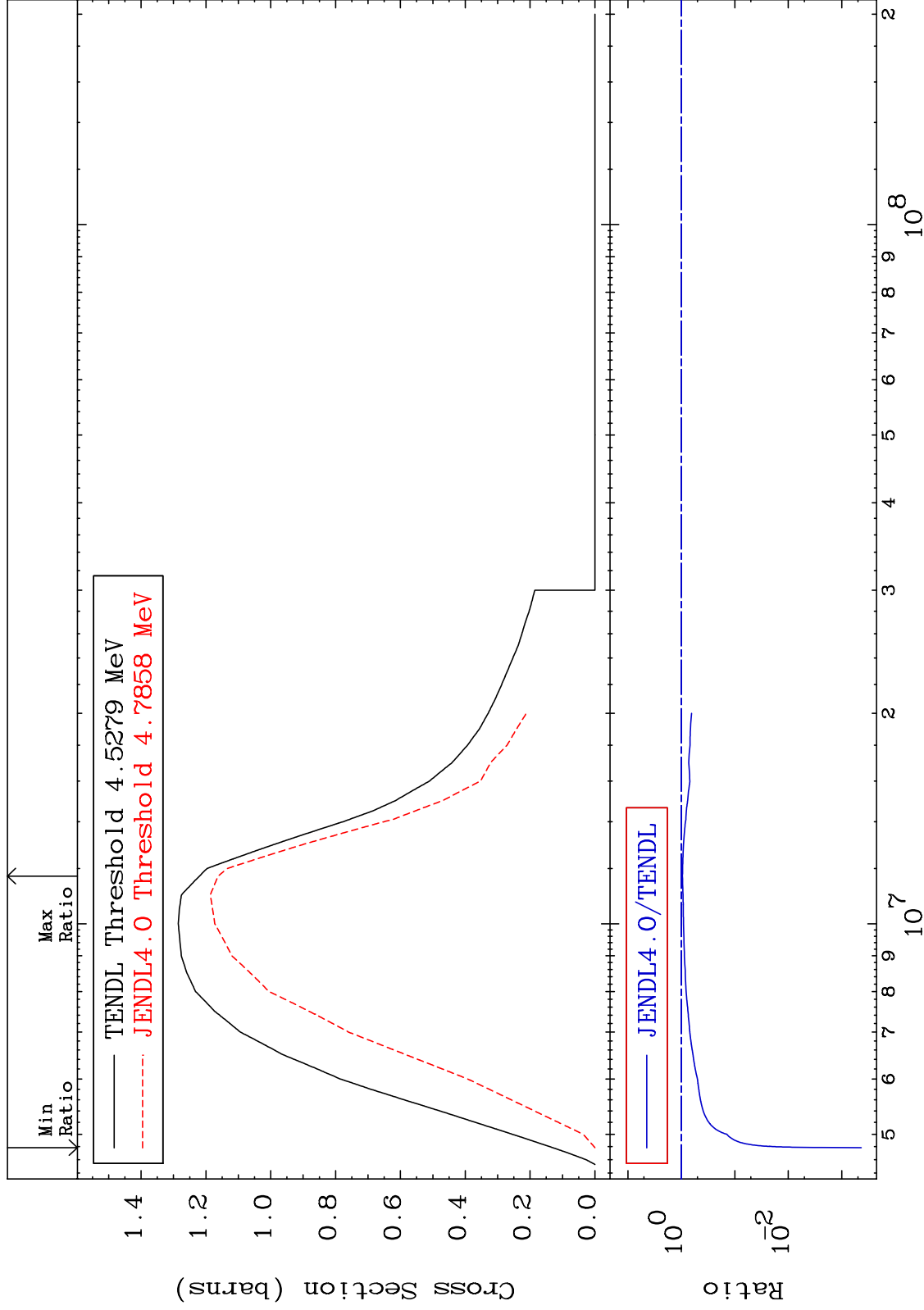
26-Fe-56
-99.54 To 9999. %



MAT 2631

(n,n') Continuum
Cross Section

²⁶Fe-56
-99.96 To -4.723%



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Incident Energy (eV)

²⁶Fe-56

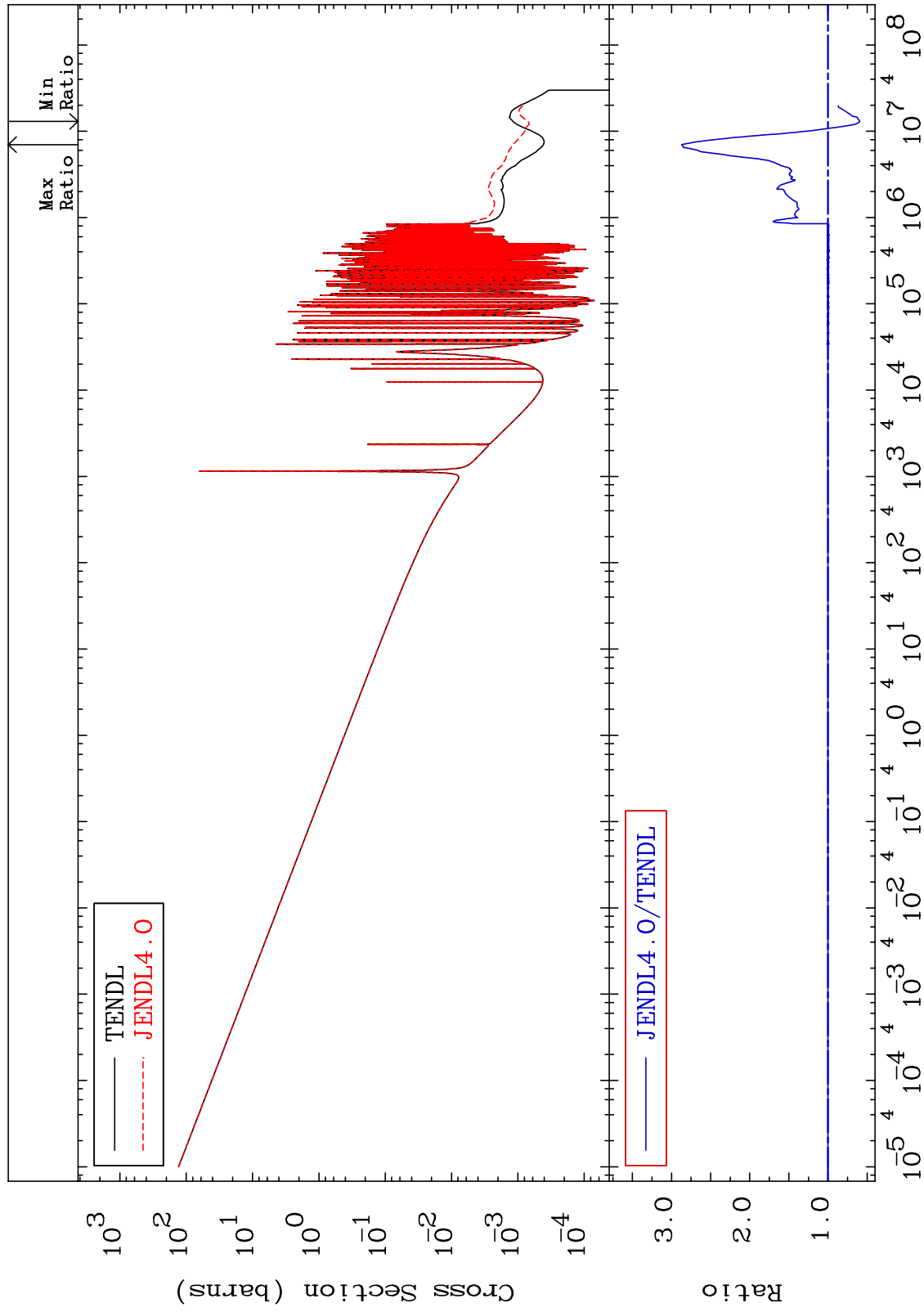
MAT 2631

(n, γ)

26-Fe-56

Cross Section

-40.70 To 187.3 %

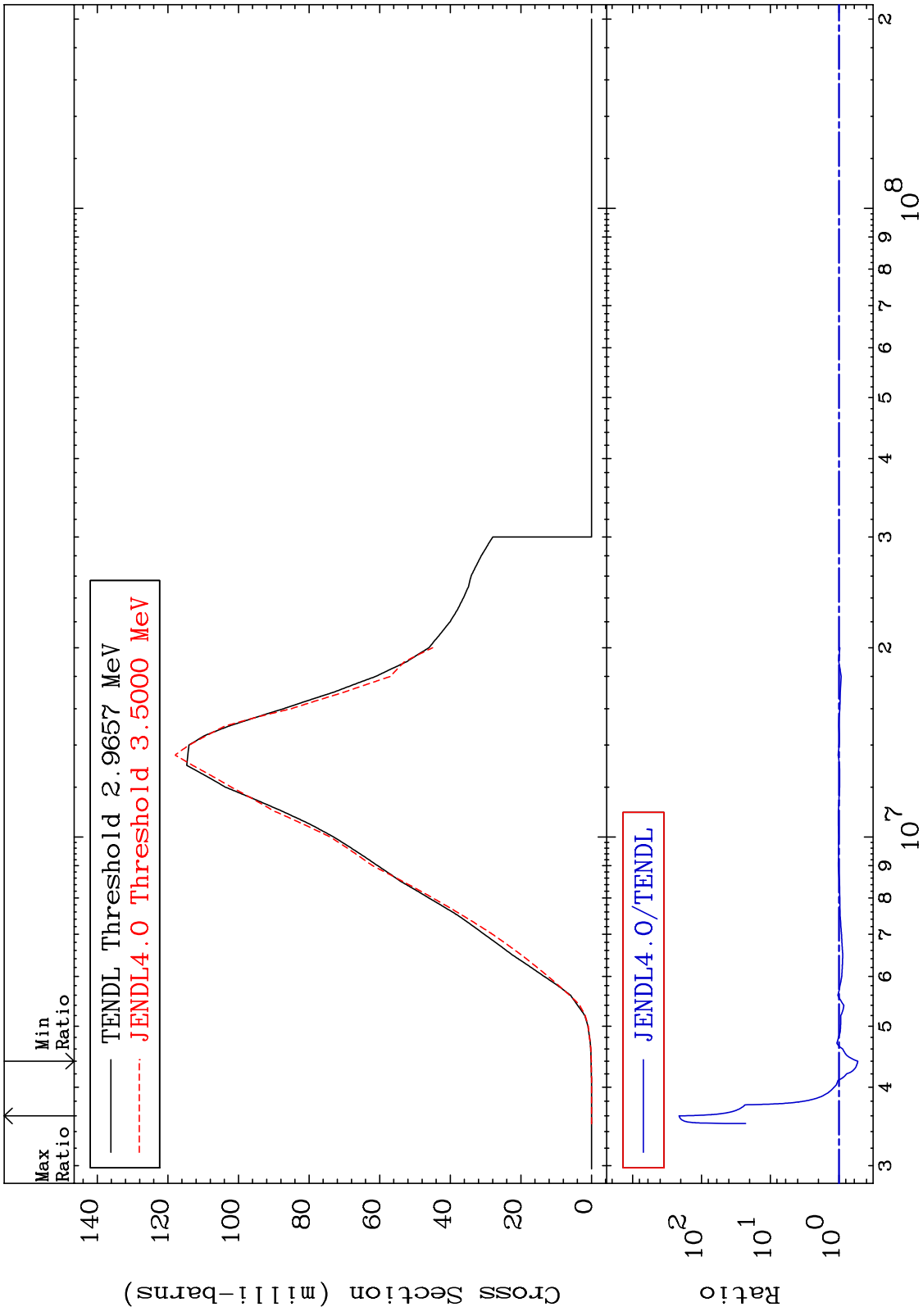


35

Incident Energy (eV)

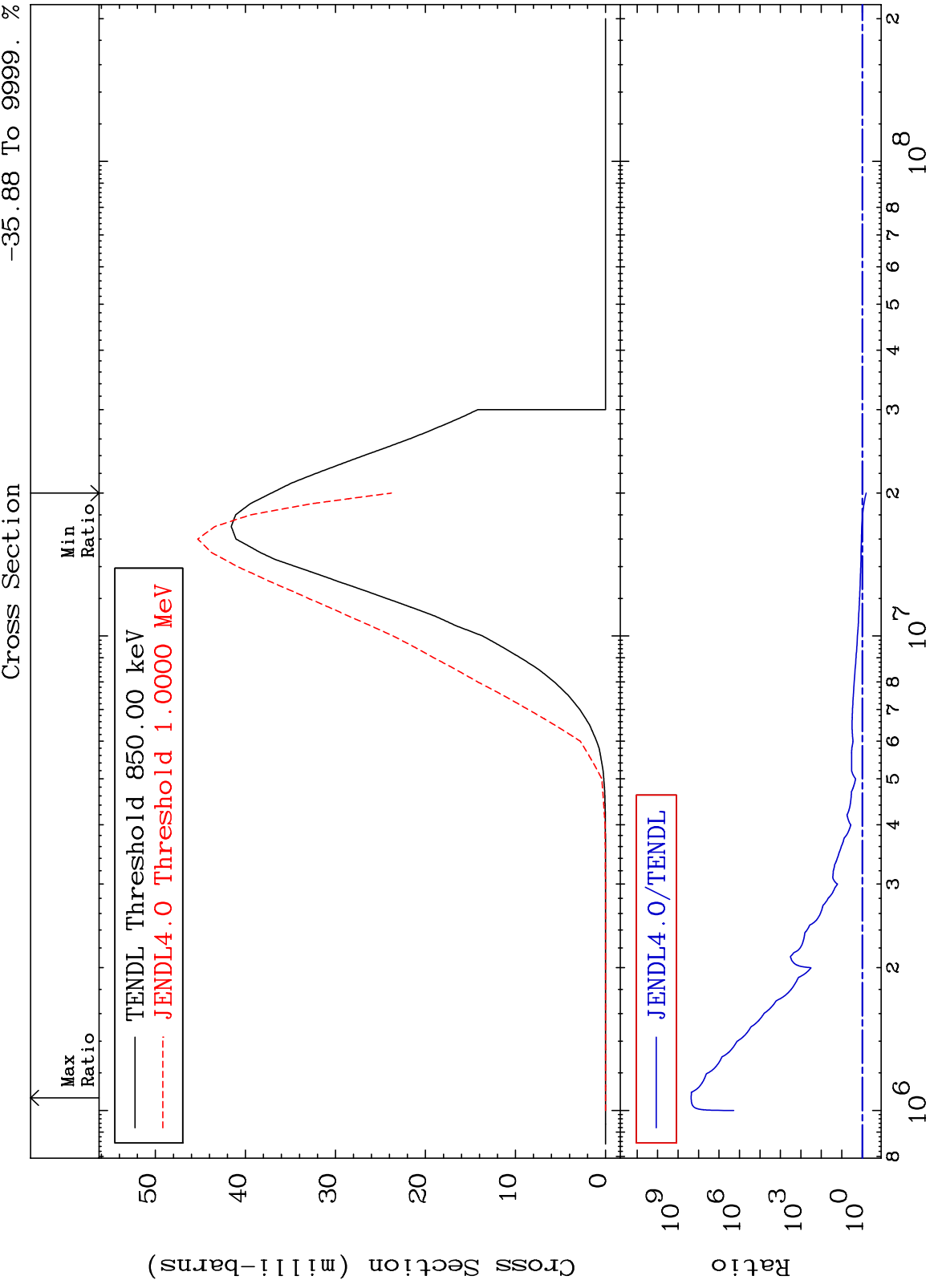
26-Fe-56

MAT 2631 (n,p) Cross Section 26-Fe-56
 -46.61 To 9999. %



36 Incident Energy (eV) 26-Fe-56

MAT 2631 (n,α) 26-Fe-56 -35.88 To 9999. %

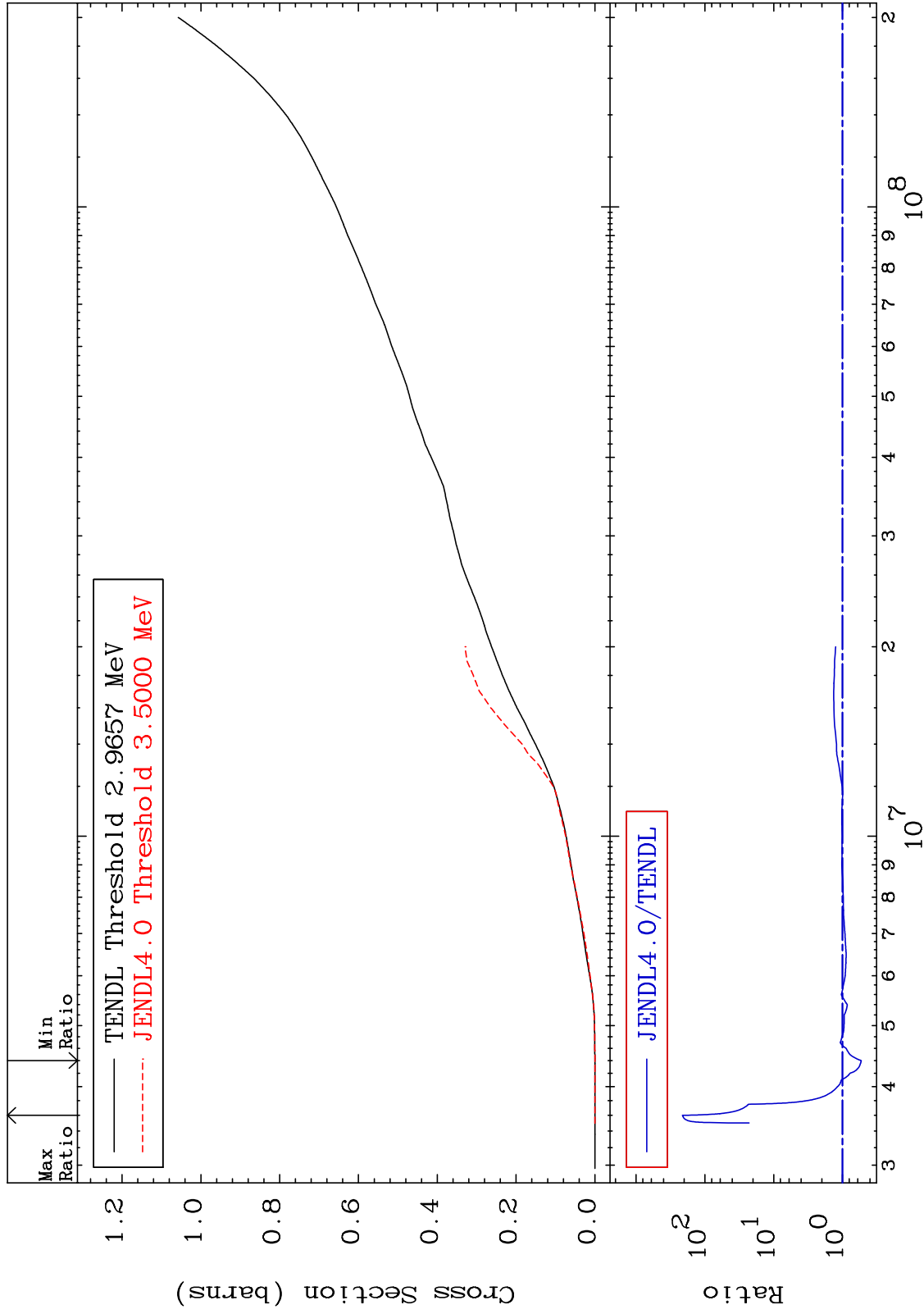


37 26-Fe-56

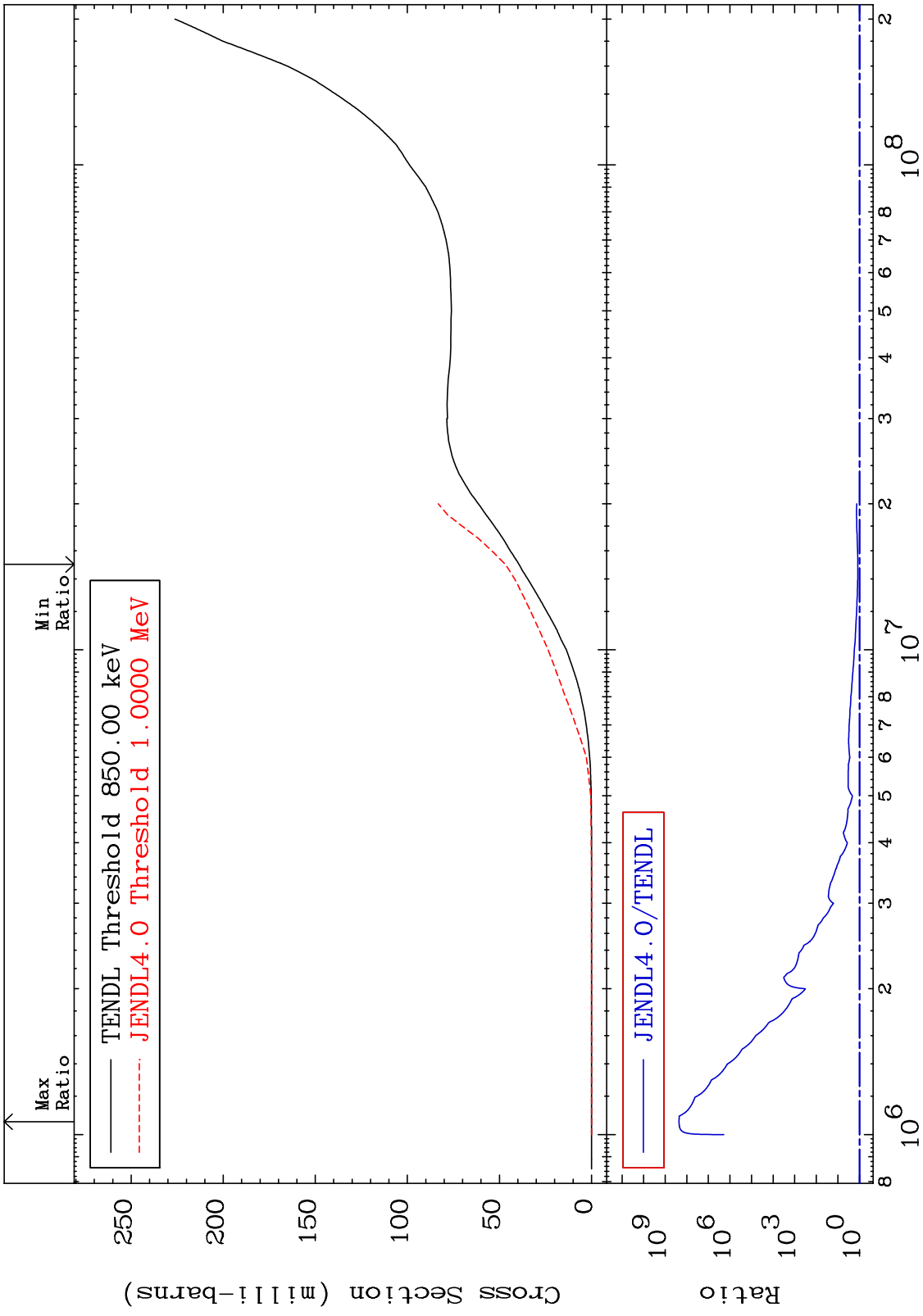
MAT 2631

Hydrogen Production
Cross Section

26-Fe-56
-46.61 To 9999. %

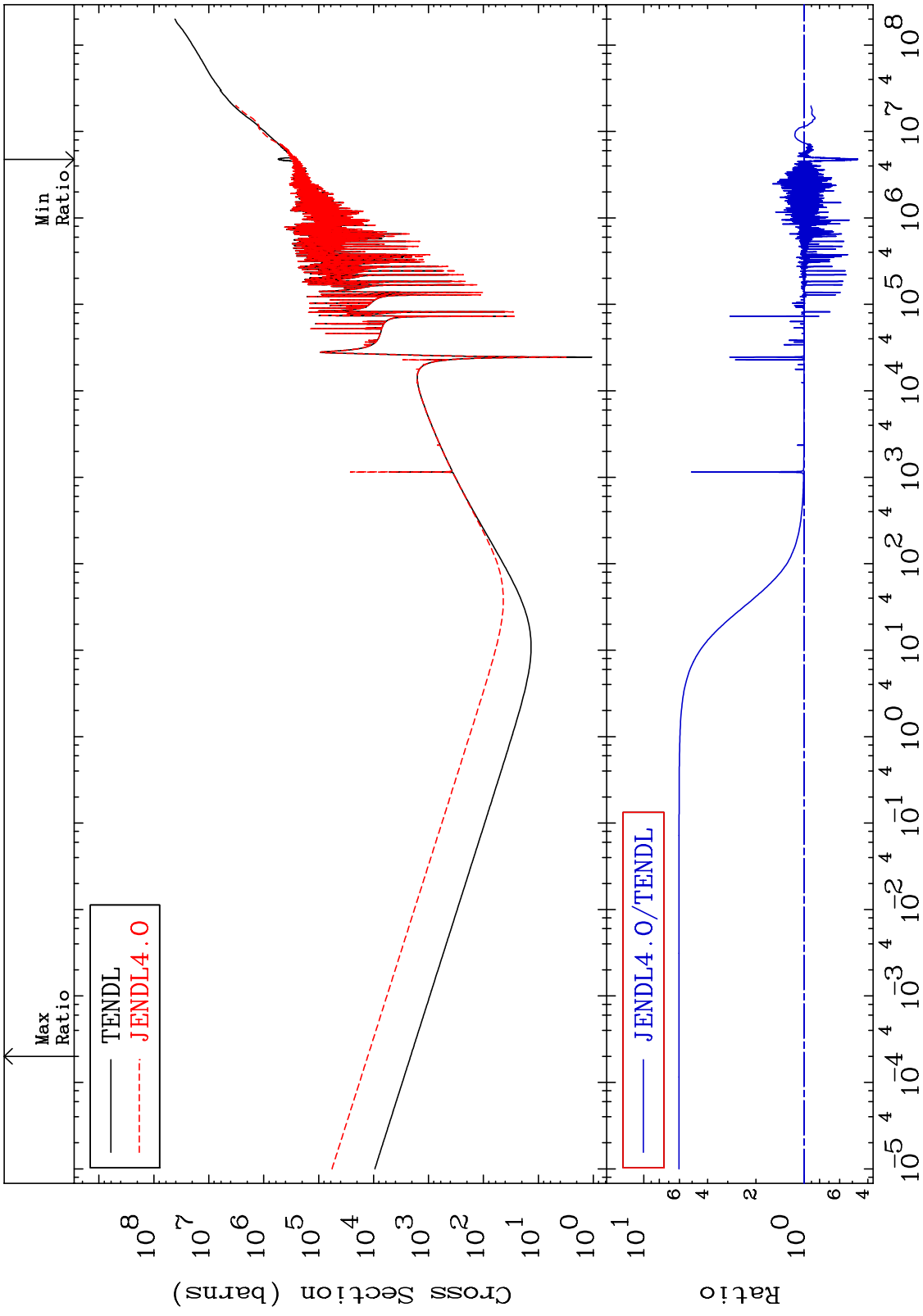


MAT 2631 He-4 Production Cross Section 26-Fe-56 To 9999. %



39 26-Fe-56

MAT 2631 Kerma total (eV-barns) 26-Fe-56
 Cross Section -53.79 To 502.8 %

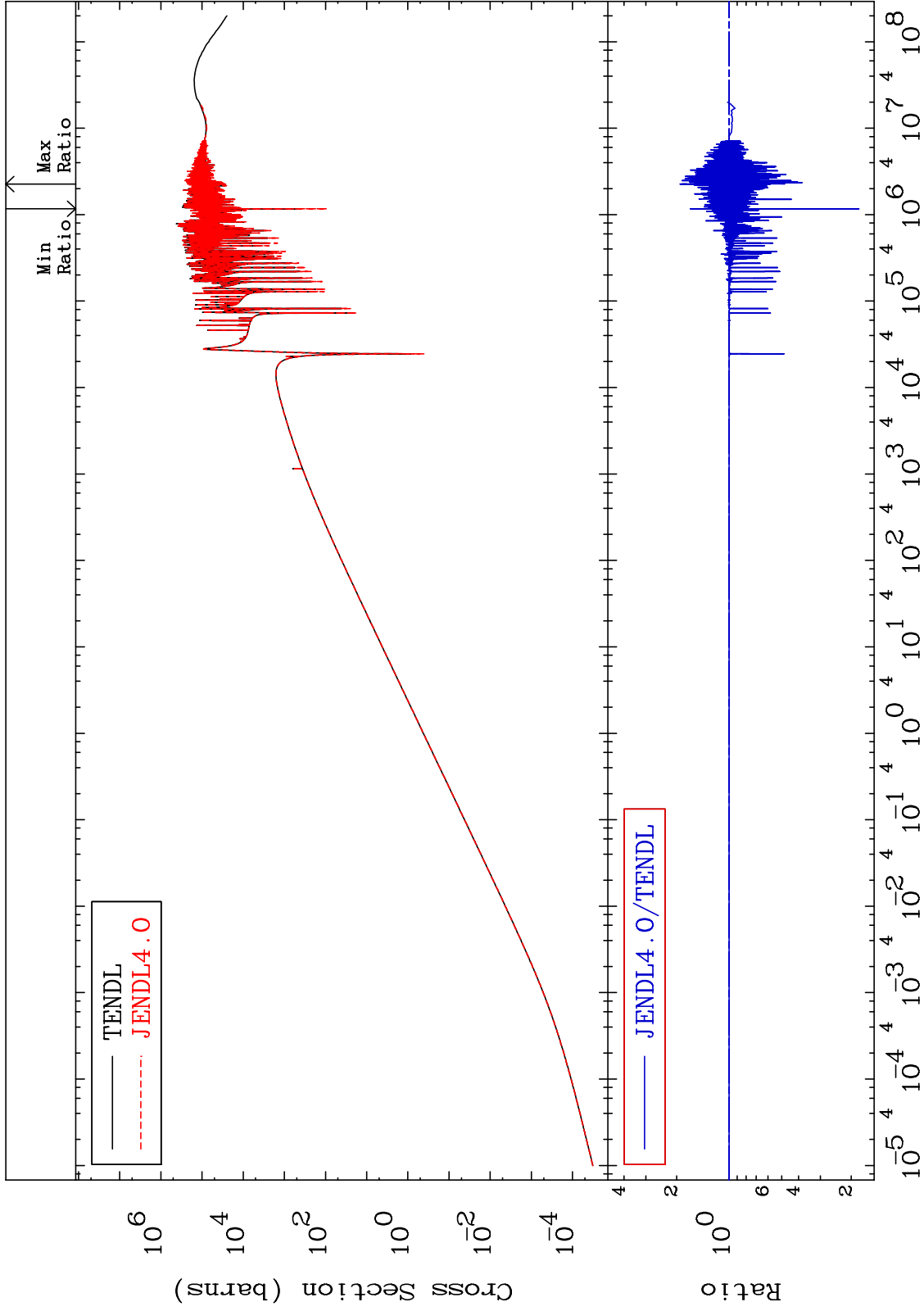


46 Incident Energy (eV) 26-Fe-56

MAT 2631

Kerma elastic
Cross Section

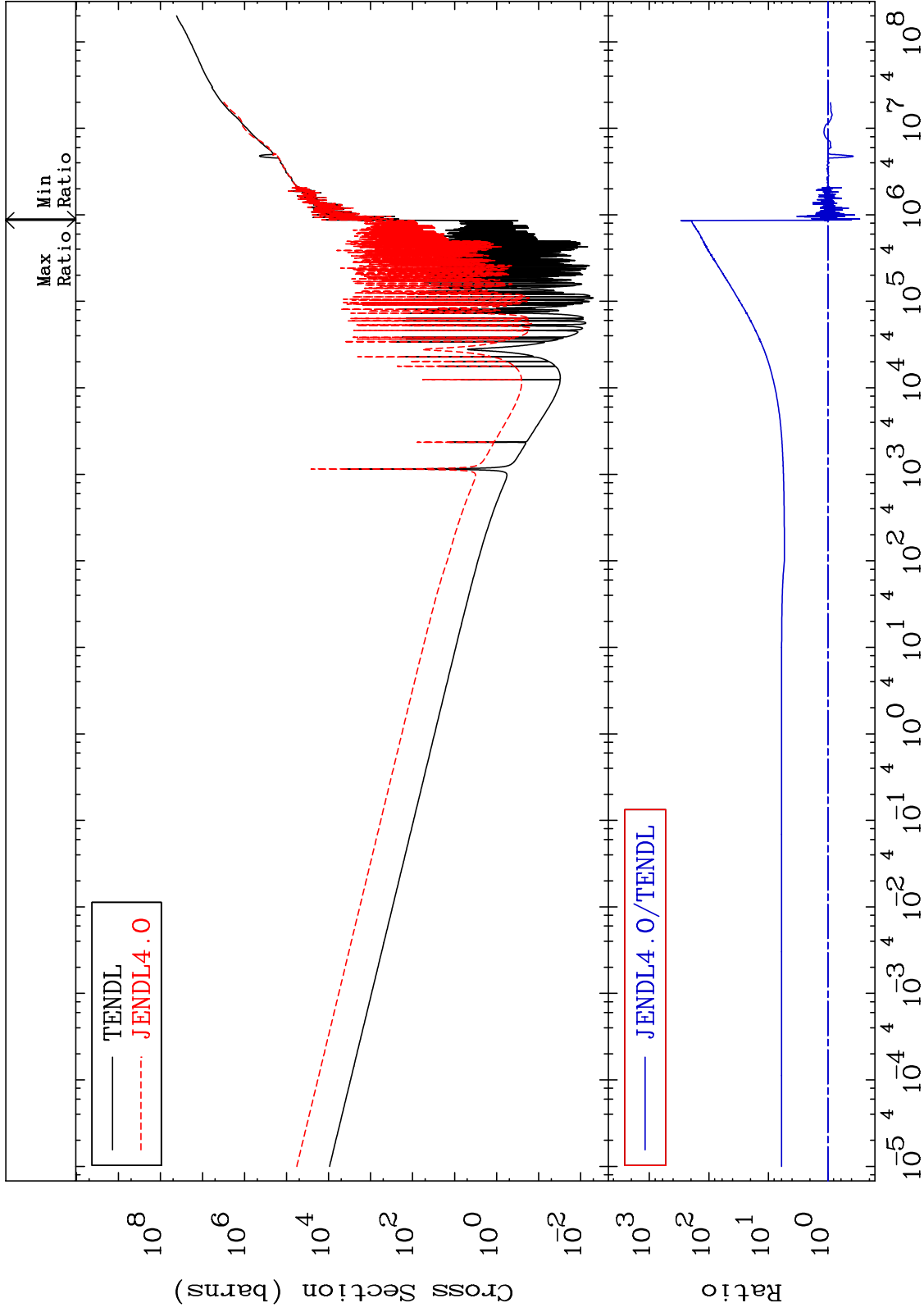
26-Fe-56
-81.92 To 90.58 %



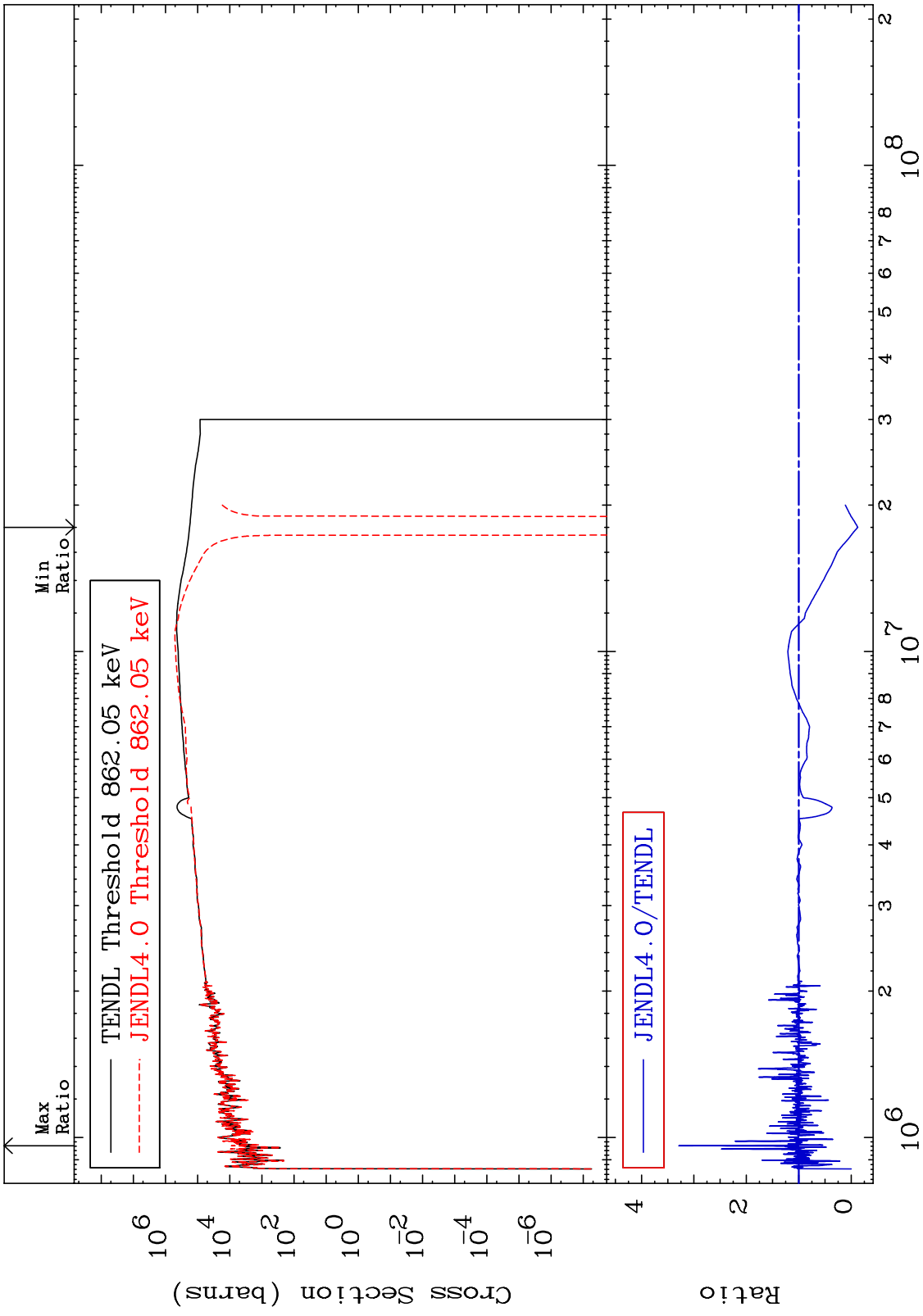
MAT 2631

Kerma non-elastic (all but mt2)
Cross Section

26-Fe-56
-70.73 To 9999. %



MAT 2631 Kerma inelastic (mt51-91) 26-Fe-56
-112.7 To 228.4 %

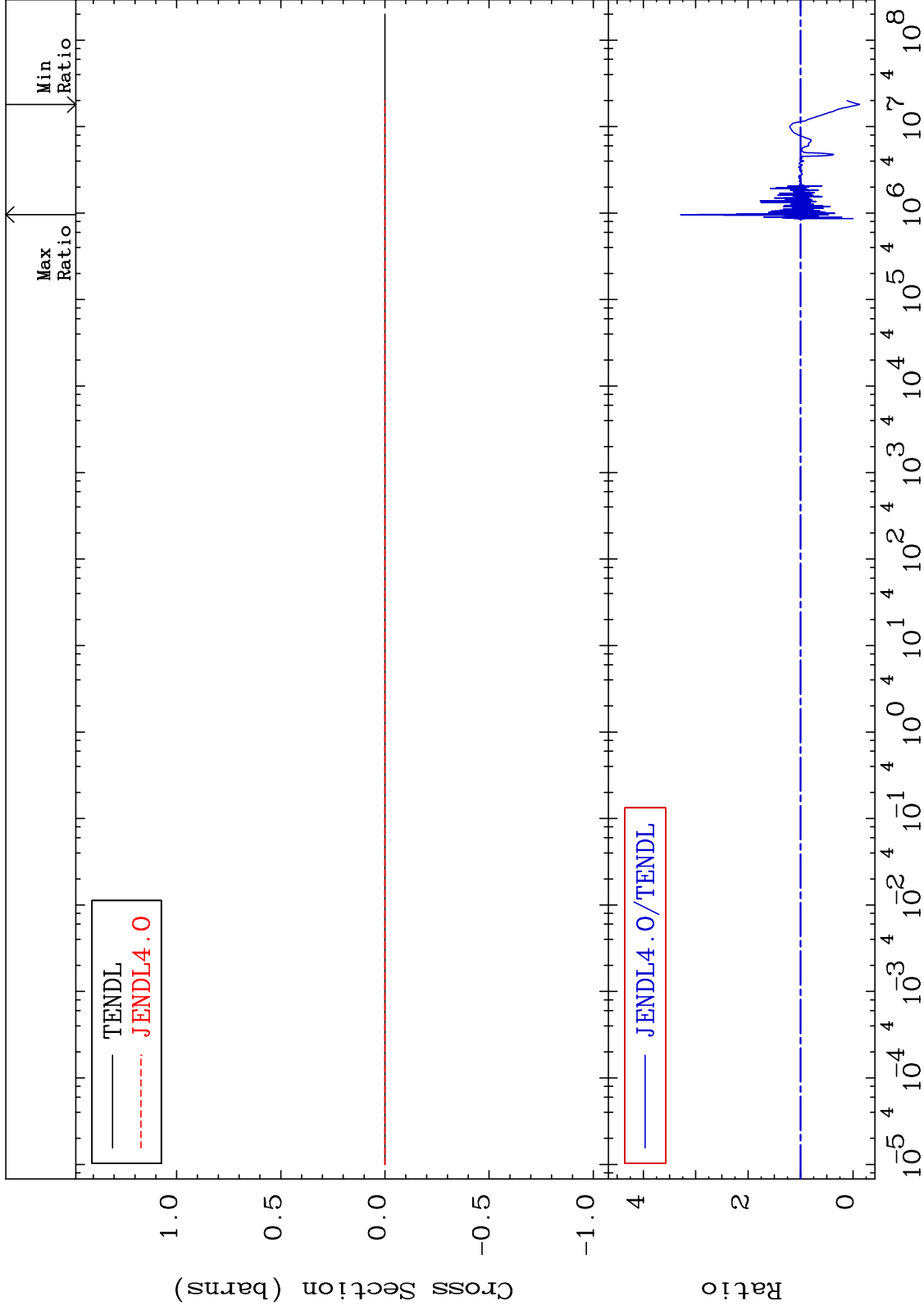


43 26-Fe-56

MAT 2631

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

26-Fe-56
-112.7 To 228.4 %



44

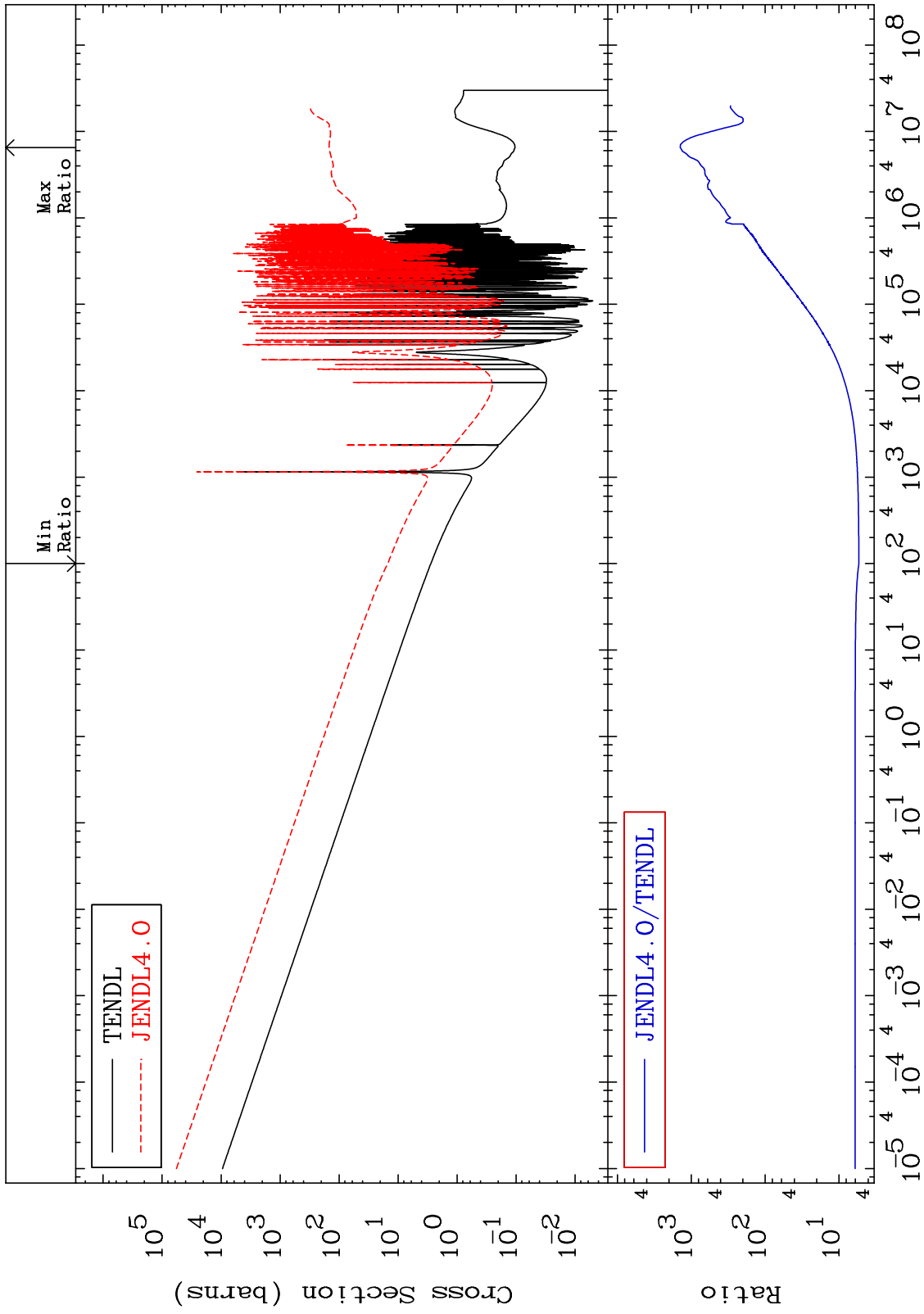
Incident Energy (eV)

26-Fe-56

MAT 2631

Kerma capture (mt102)
Cross Section

26-Fe-56
436.8 To 9999. %



45

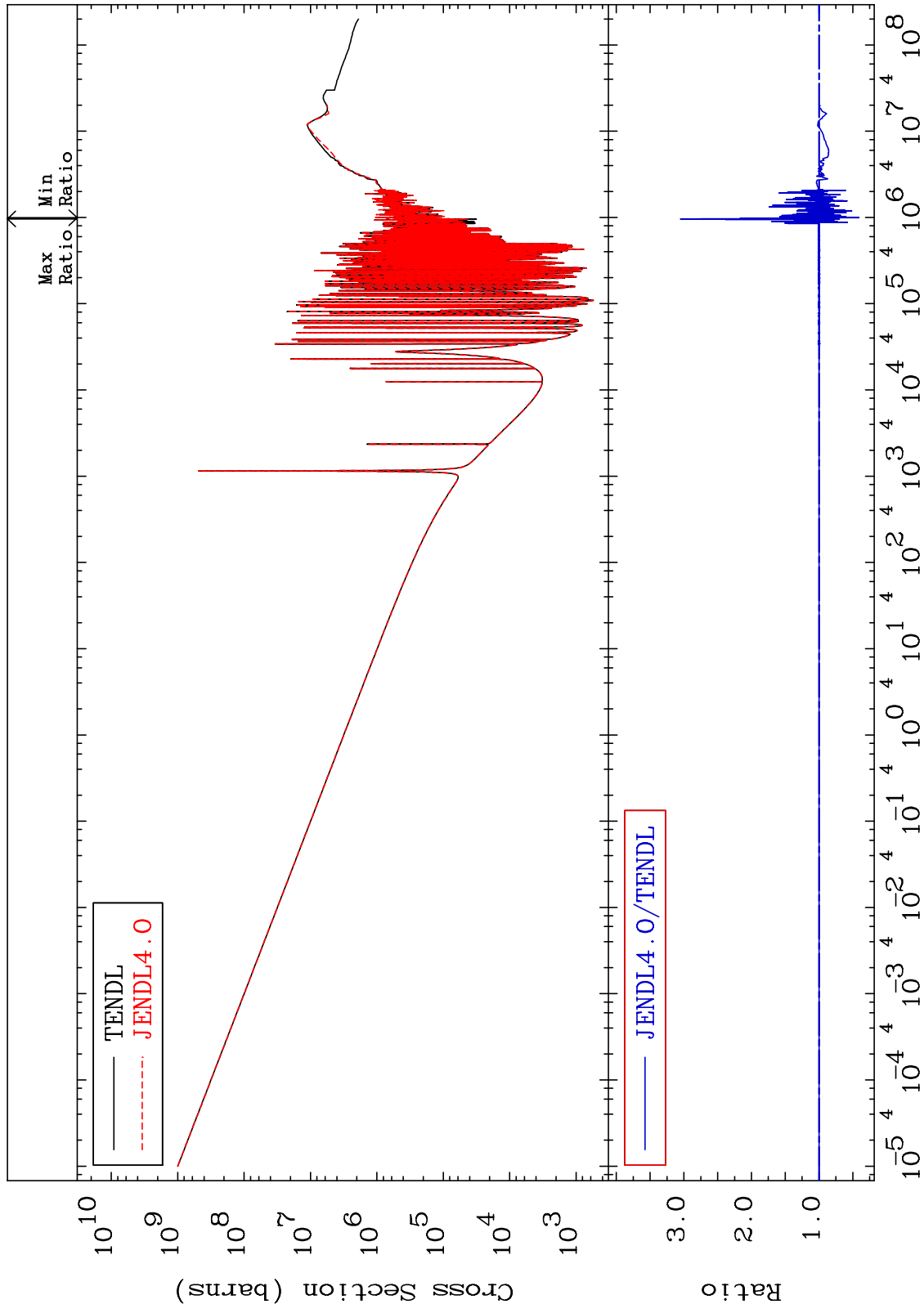
Incident Energy (eV)

26-Fe-56

MAT 2631

Total photon (eV-barns)
Cross Section

26-Fe-56
-59.16 To 204.8 %

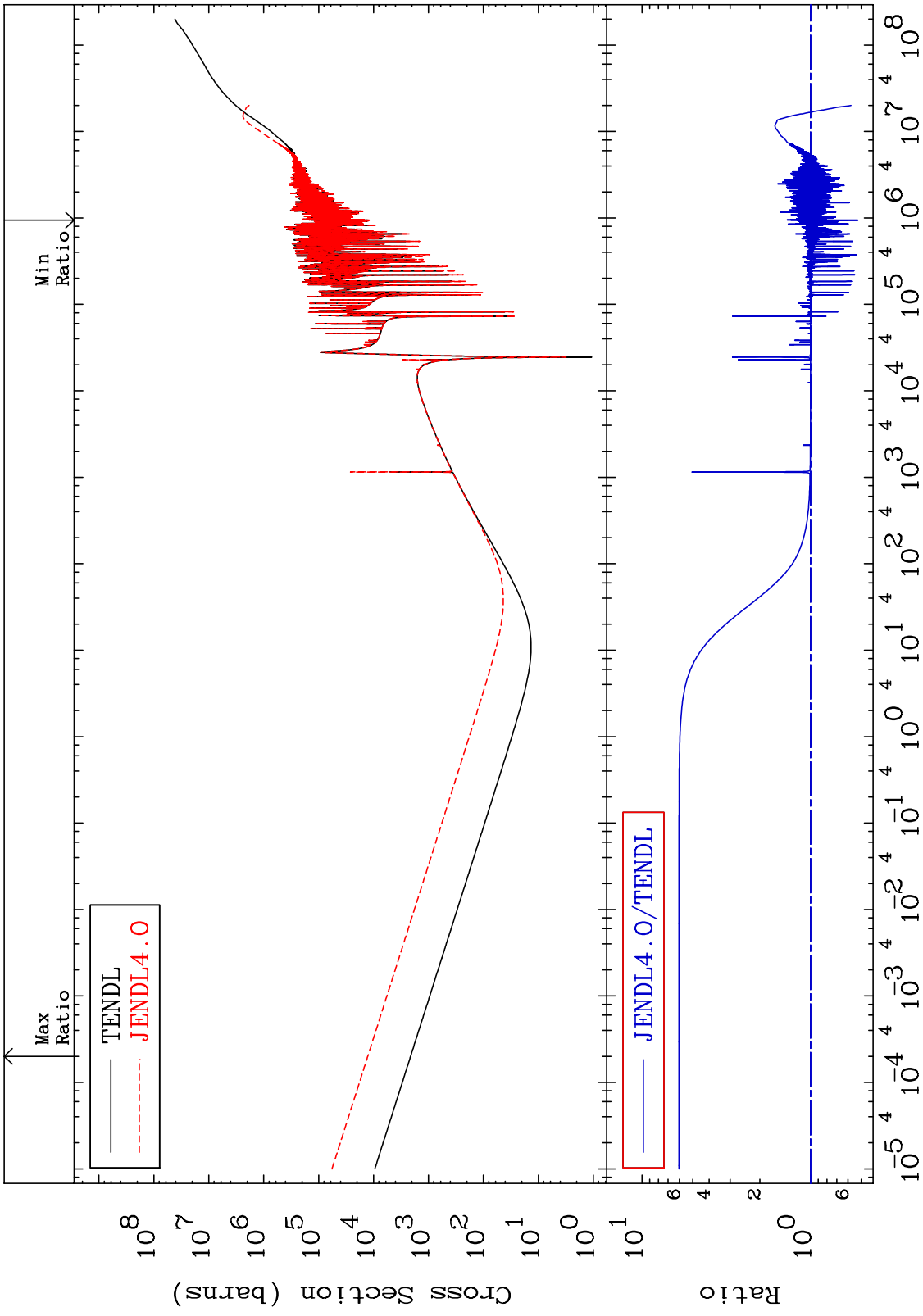


46

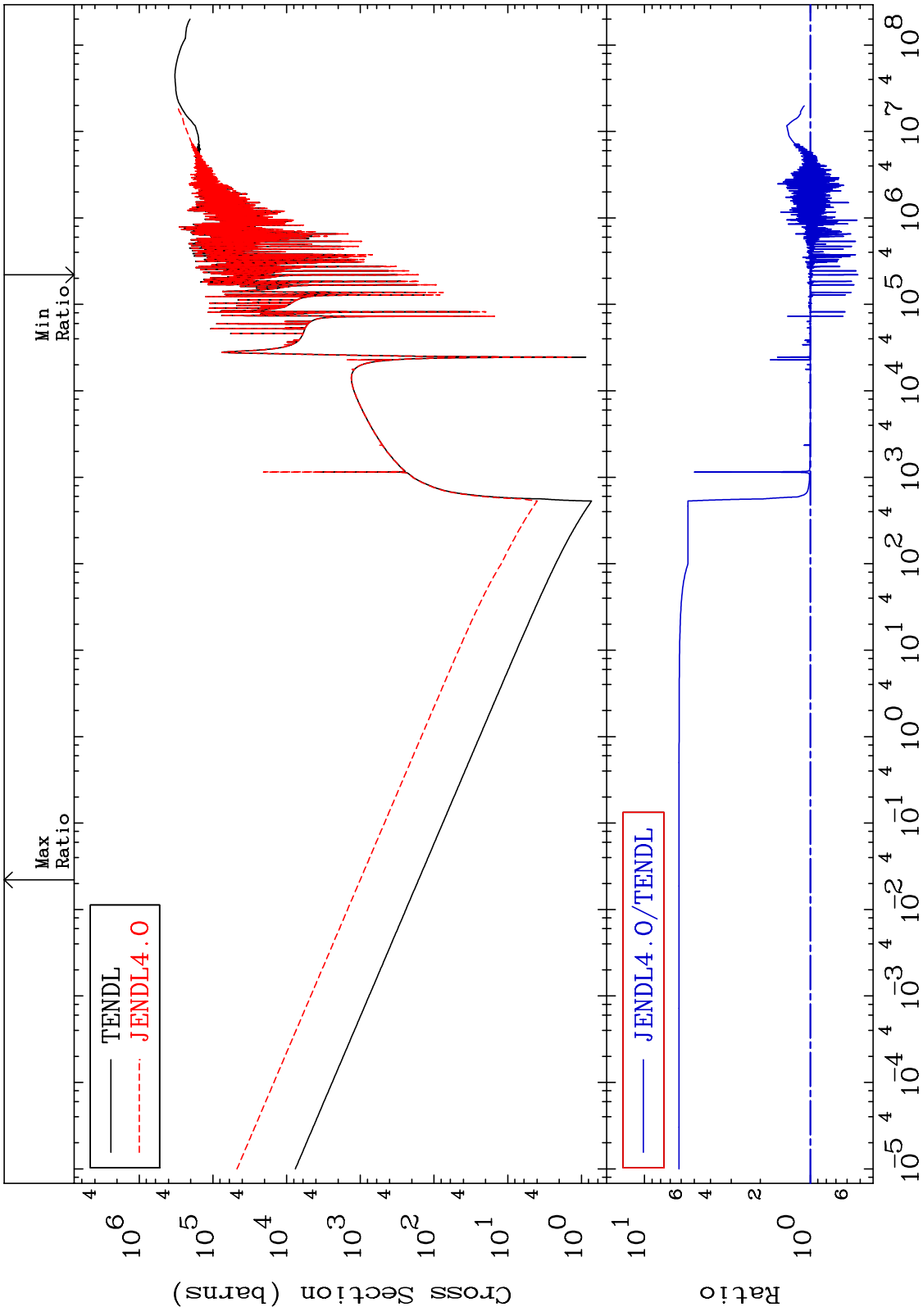
Incident Energy (eV)

26-Fe-56

MAT 2631 Total kinematic kerma (high limit) 26-Fe-56
 Cross Section -47.56 To 502.8 %



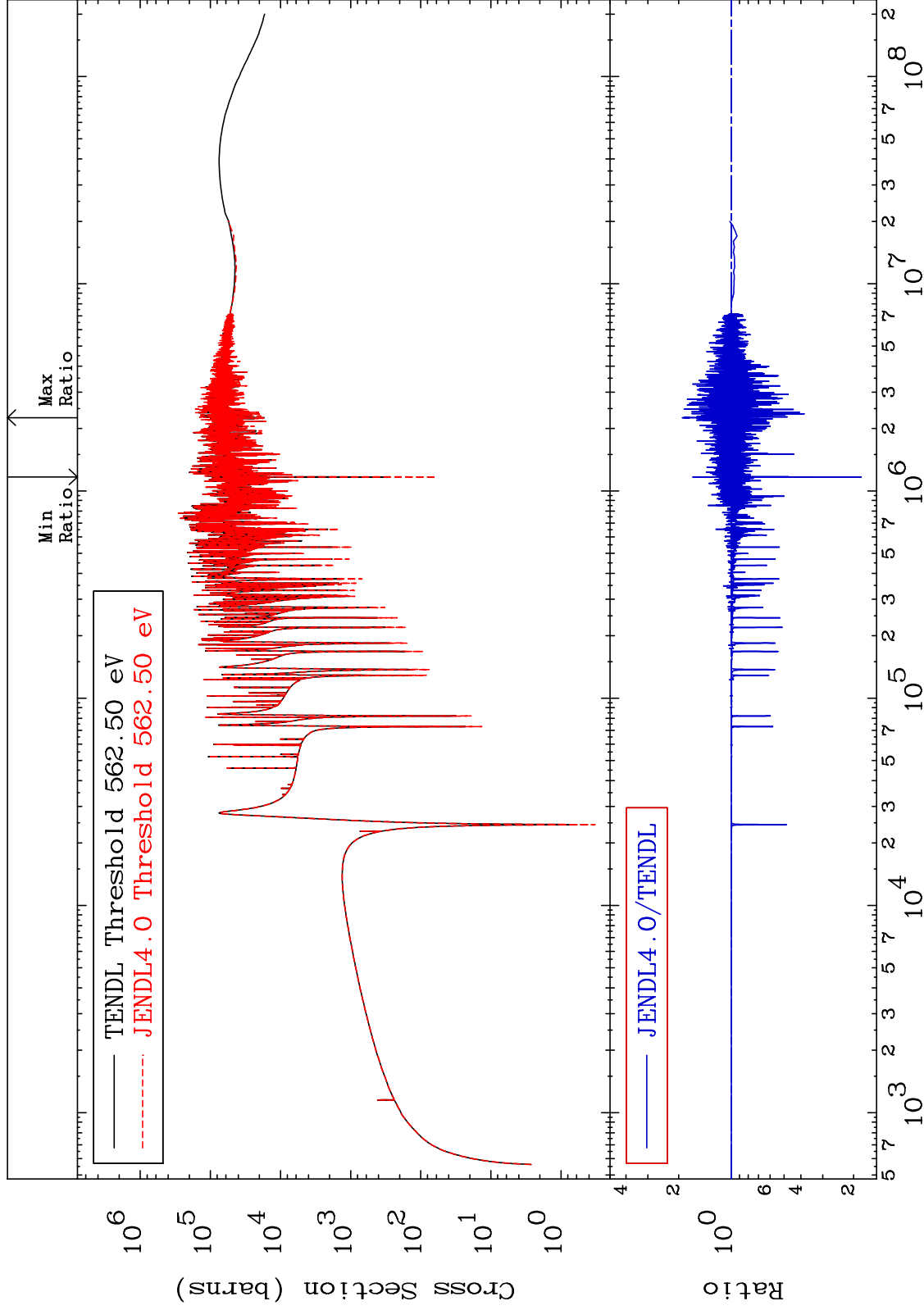
MAT 2631 Dpa total (eV-barns) 26-Fe-56
Cross Section -48.34 To 518.6 %



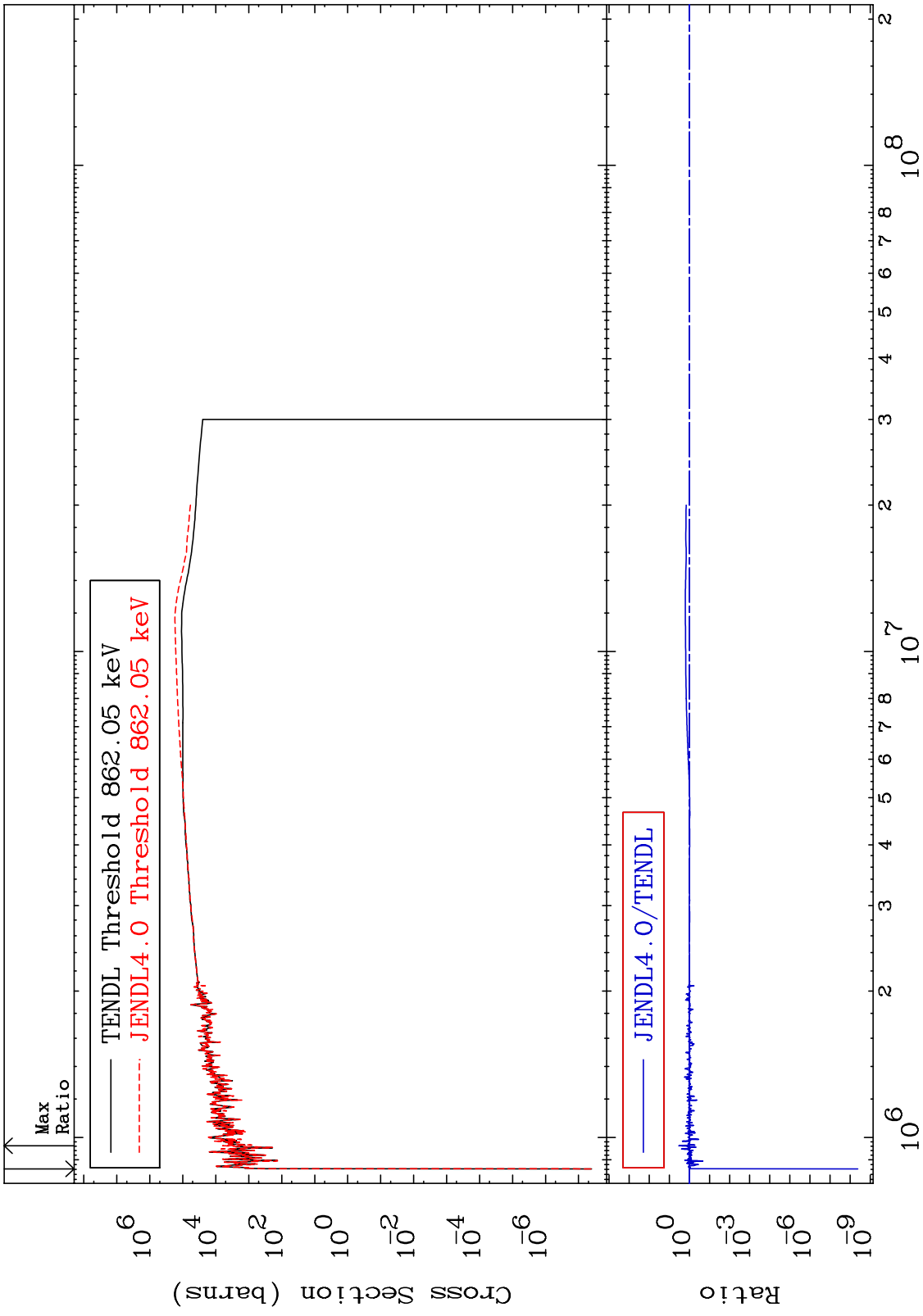
MAT 2631

Dpa elastic (mt2)
Cross Section

26-Fe-56
-81.92 To 90.37 %



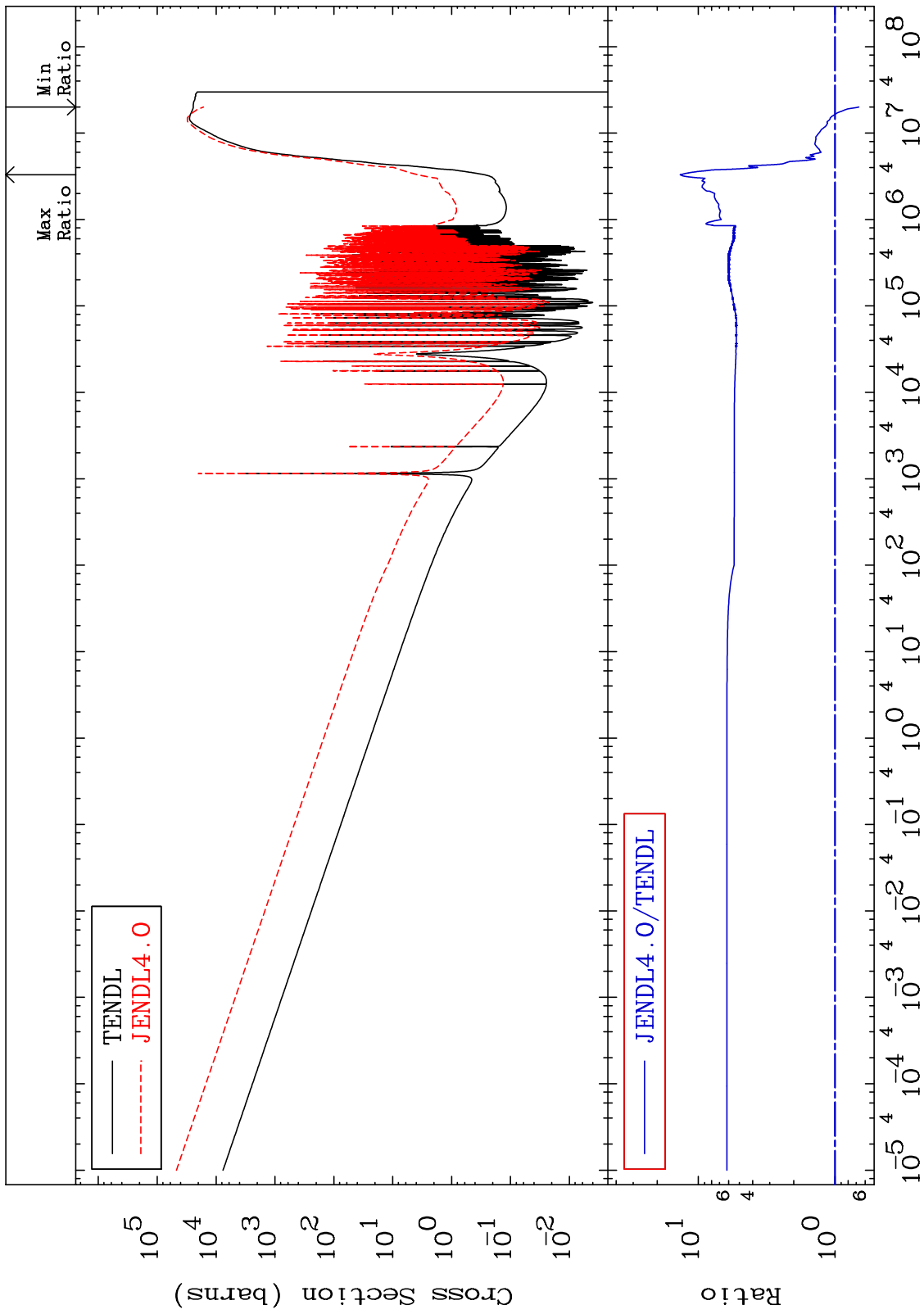
MAT 2631 Dpa inelastic (mt51-91) 26-Fe-56
Cross Section -100.0 To 228.5 %



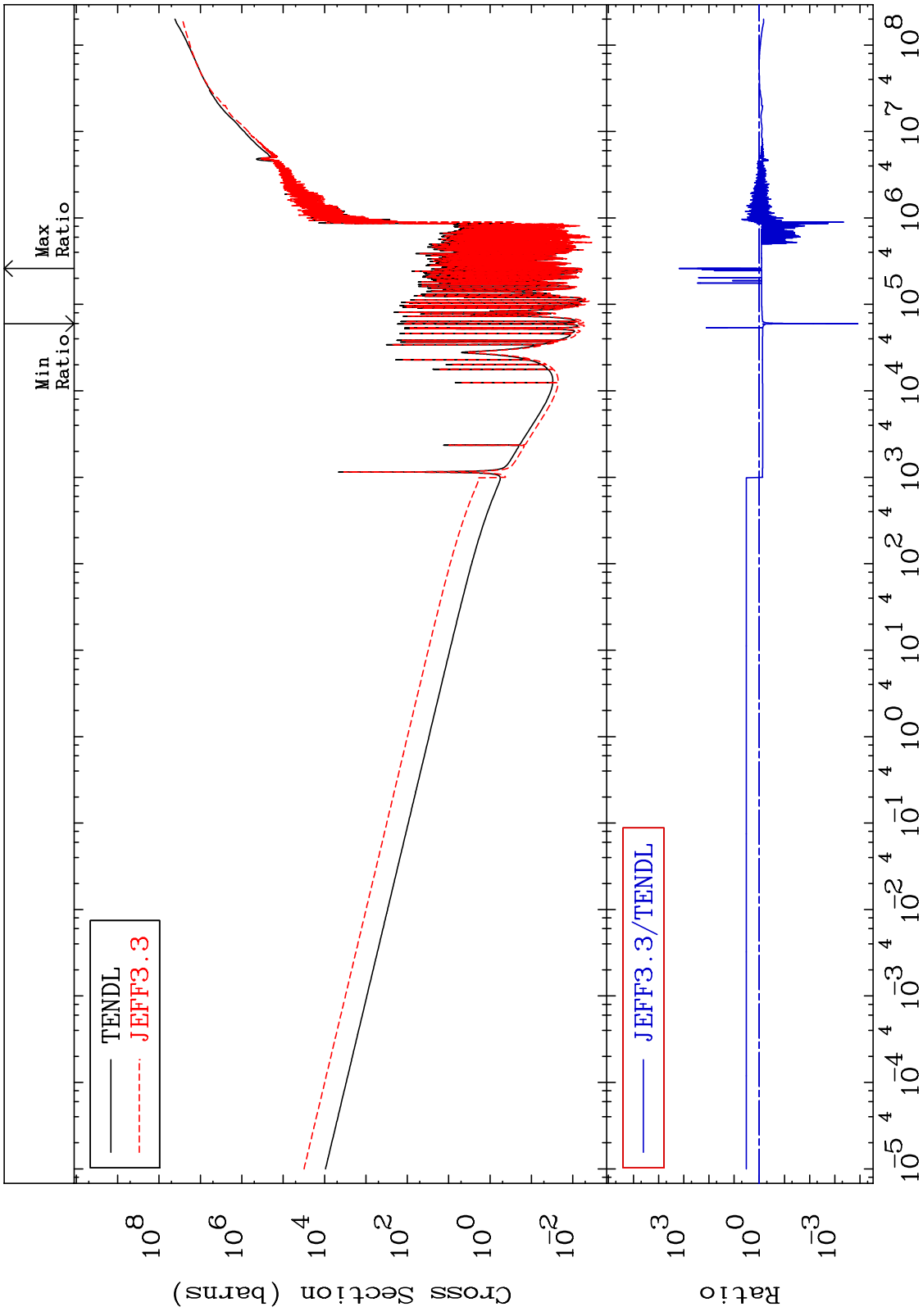
MAT 2631

Dpa disappearance (mt102 -120)
Cross Section

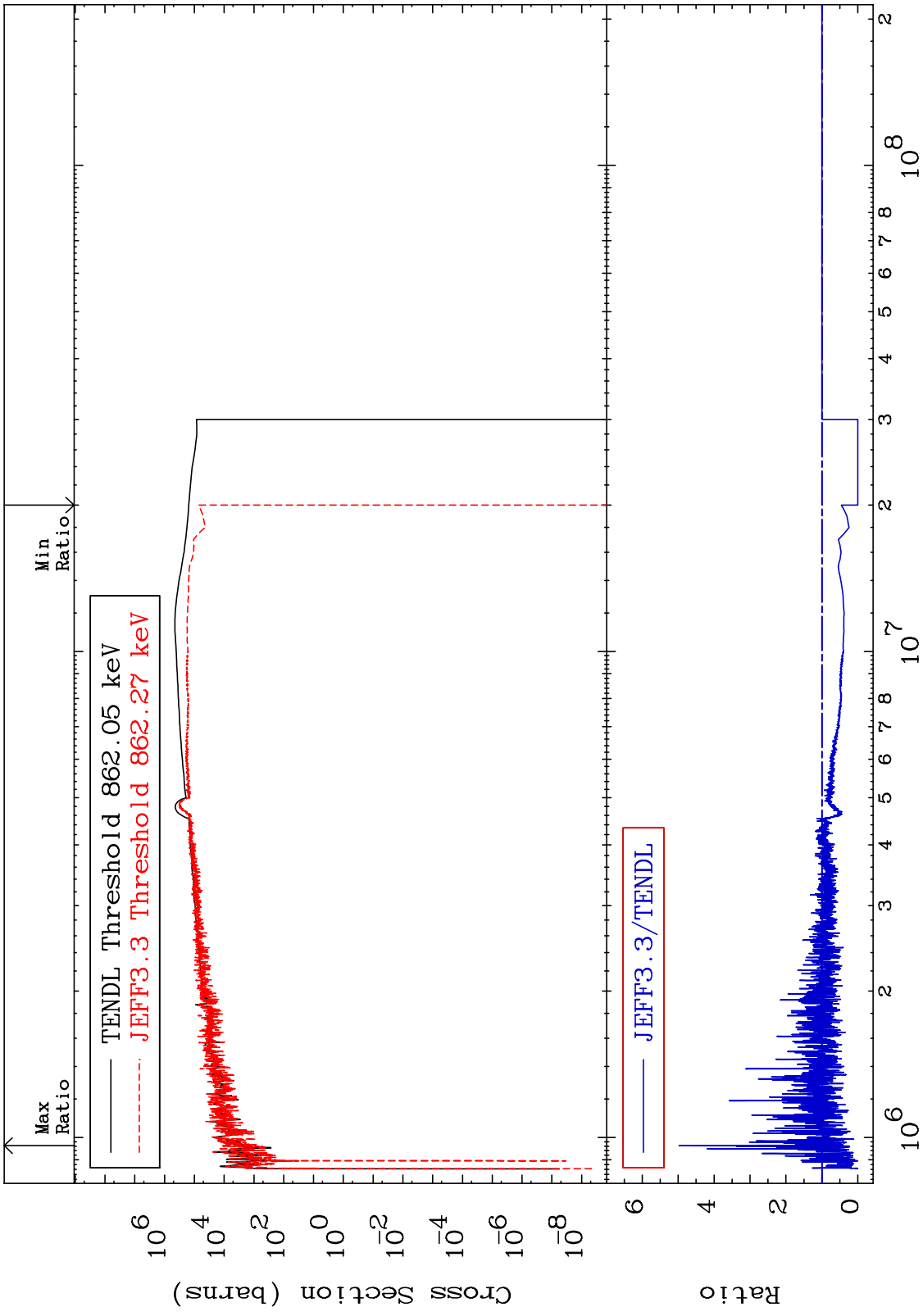
26-Fe-56
-33.19 To 1257. %



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

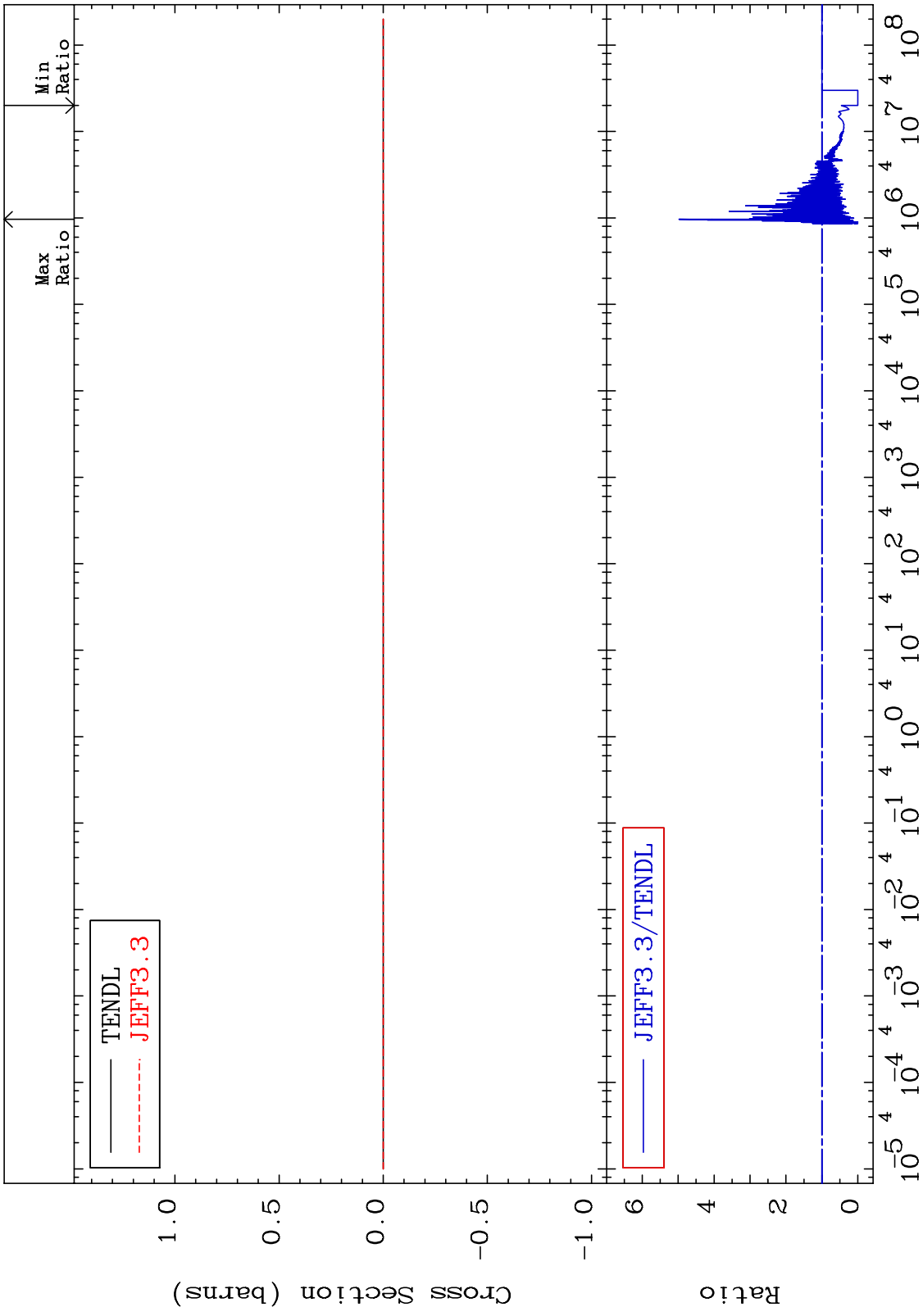


MAT 2631 Kerma inelastic (mt51-91) ²⁶Fe-56
 -100.0 To 397.5 %



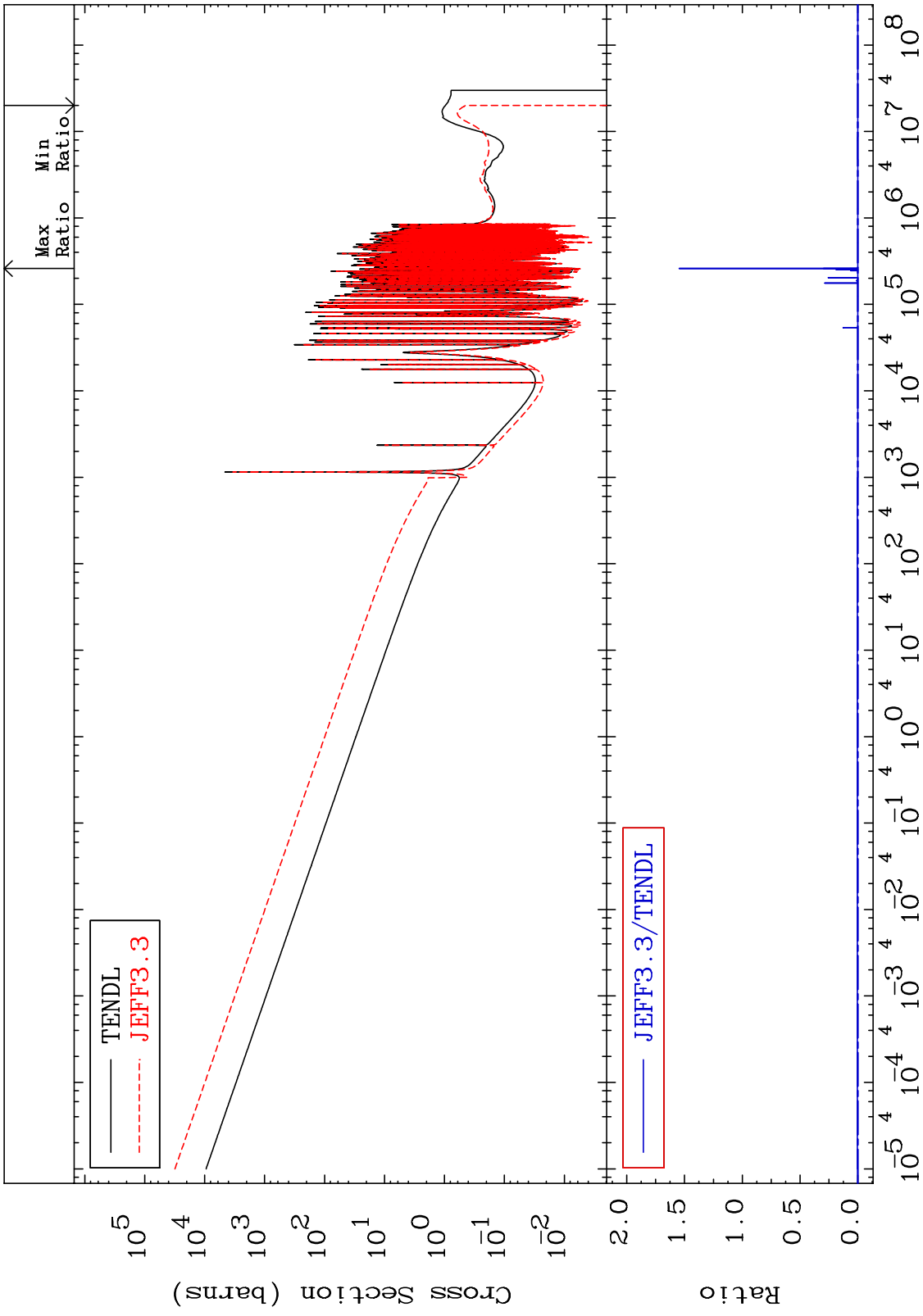
53 ²⁶Fe-56

MAT 2631 Kerma fission (mt18 or mt19-20-21-38) 26-Fe-56
 Cross Section -100.0 To 397.5 %



54 Incident Energy (eV) 26-Fe-56

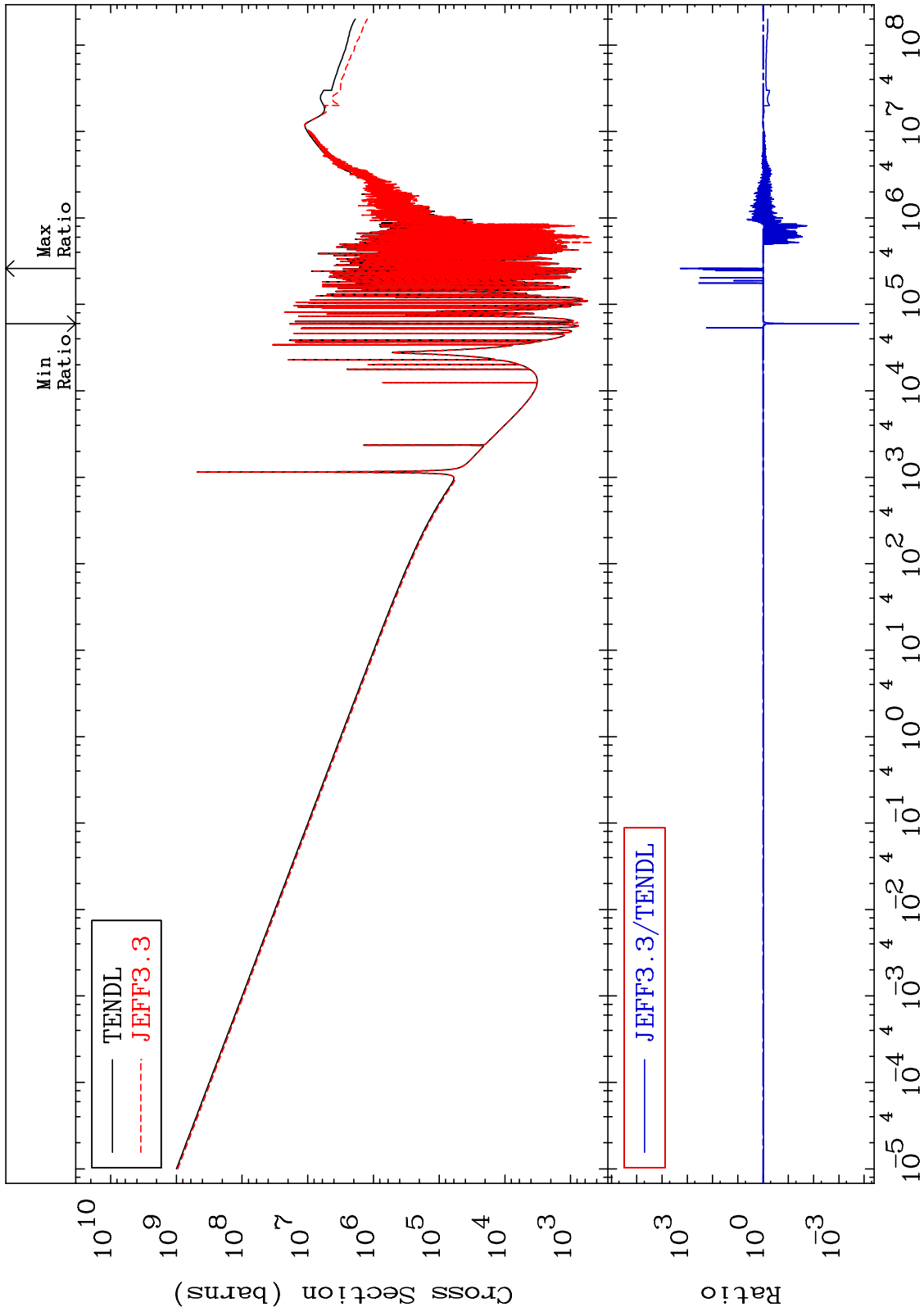
MAT 2631 Kerma capture (mt102) 26-Fe-56
 Cross Section -100.0 To 9999. %



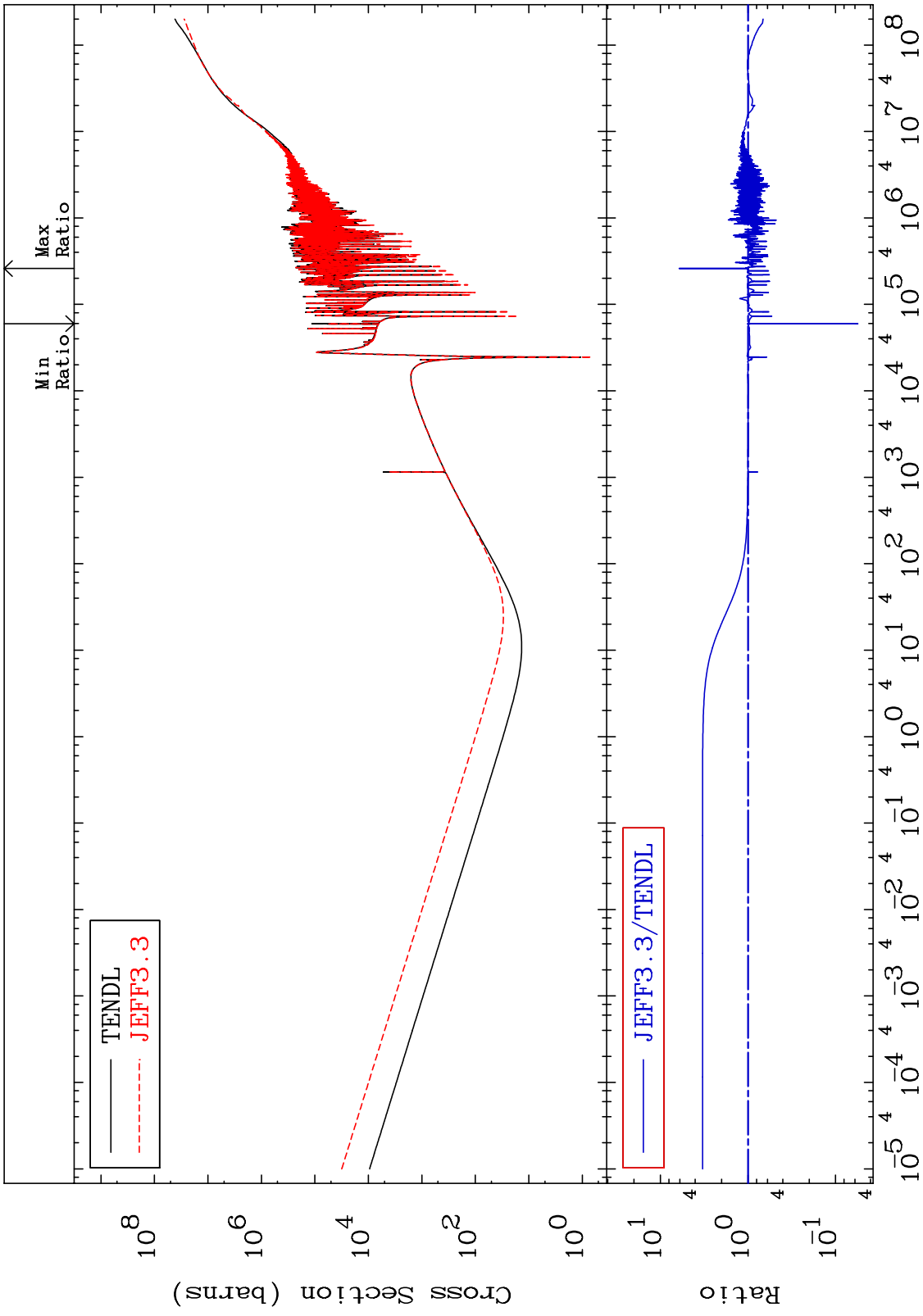
MAT 2631

Total photon (eV-barns)
Cross Section

26-Fe-56
-99.98 To 9999. %



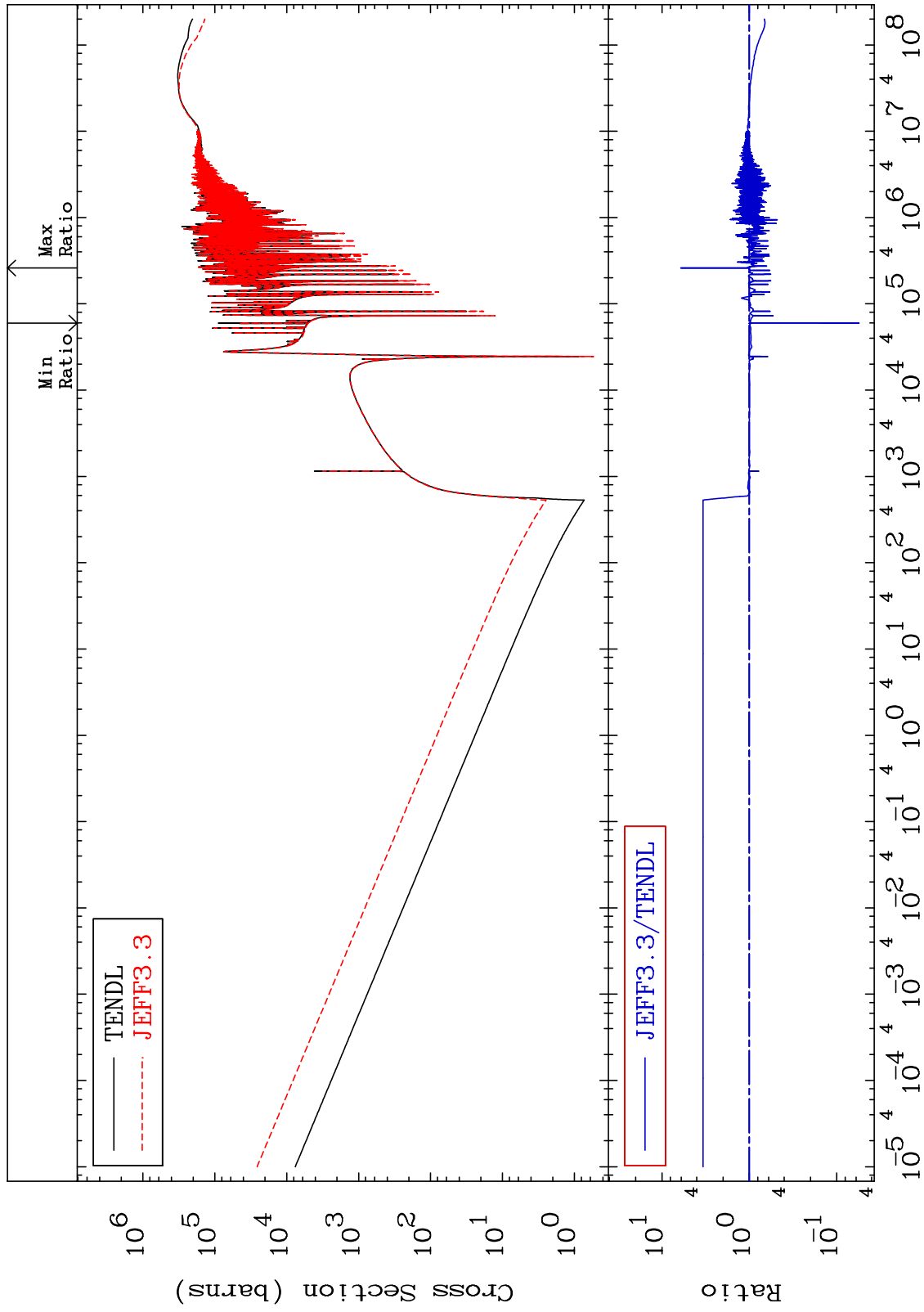
MAT 2631 Total kinematic kerma (high limit) Cross Section -94.43 To 512.5 % 26-Fe-56



MAT 2631

Dpa total (eV-barns)
Cross Section

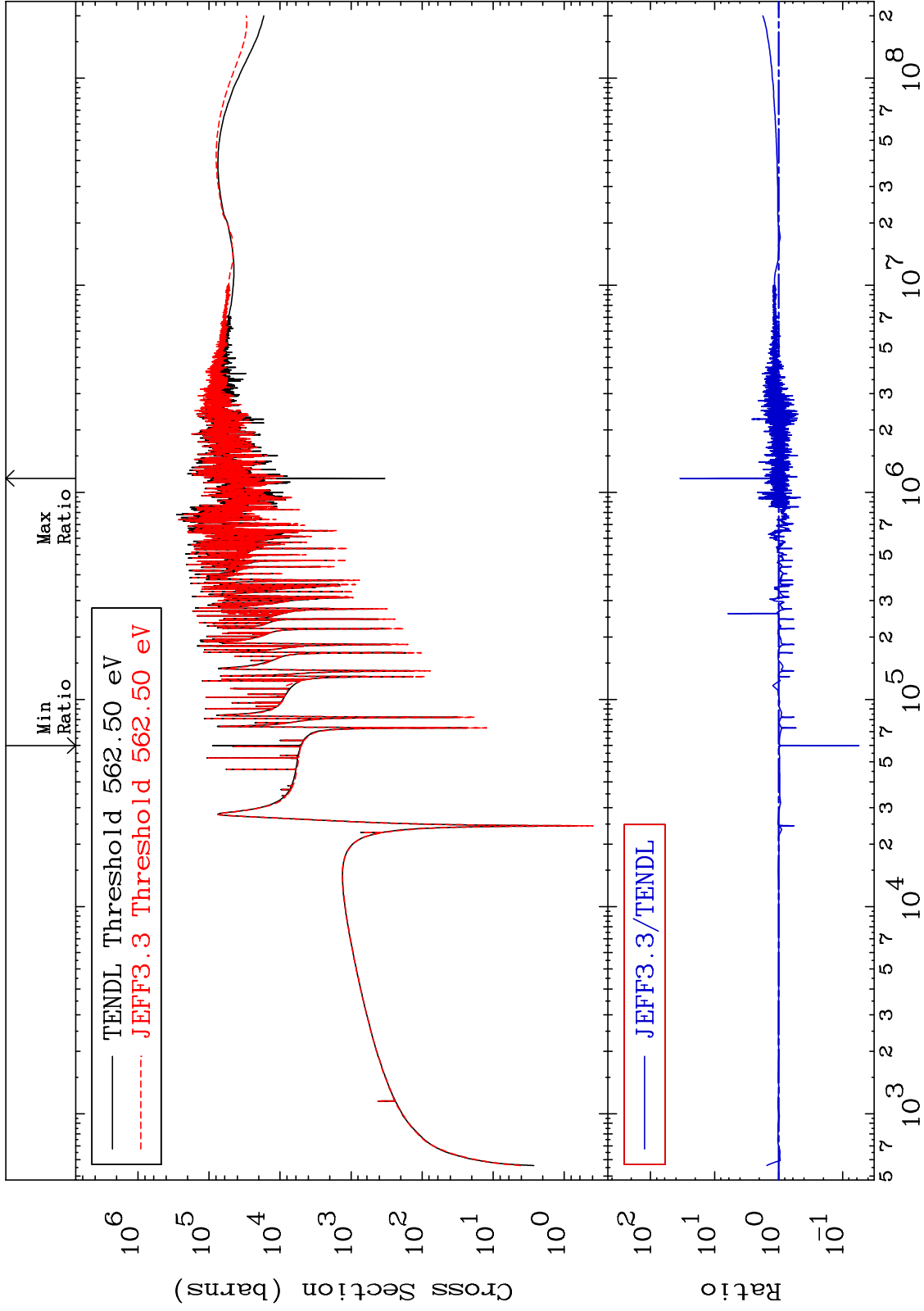
26-Fe-56
-94.43 To 511.0 %



MAT 2631

Dpa elastic (mt2)
Cross Section

26-Fe-56
-94.43 To 3340. %

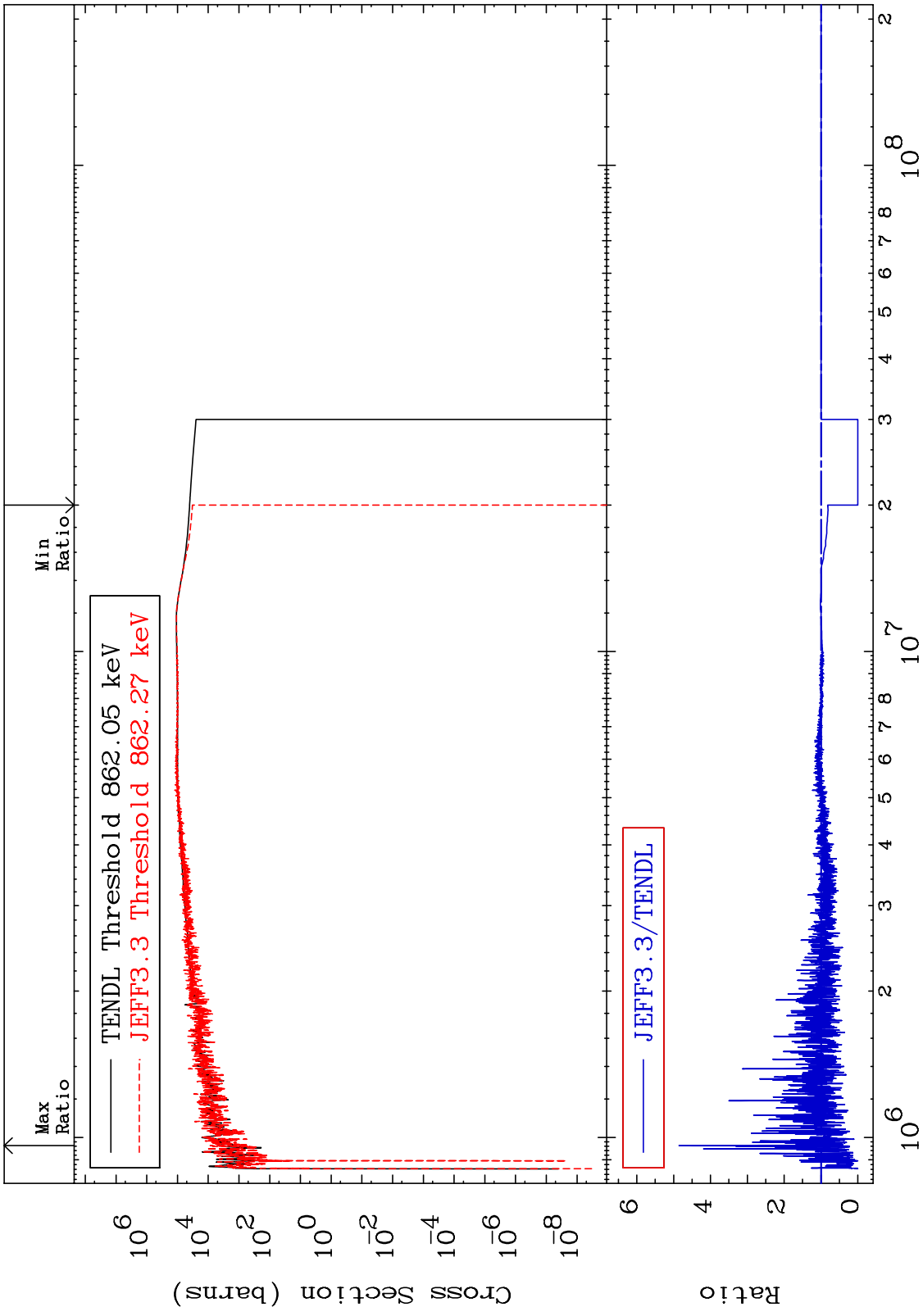


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Incident Energy (eV)

26-Fe-56

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

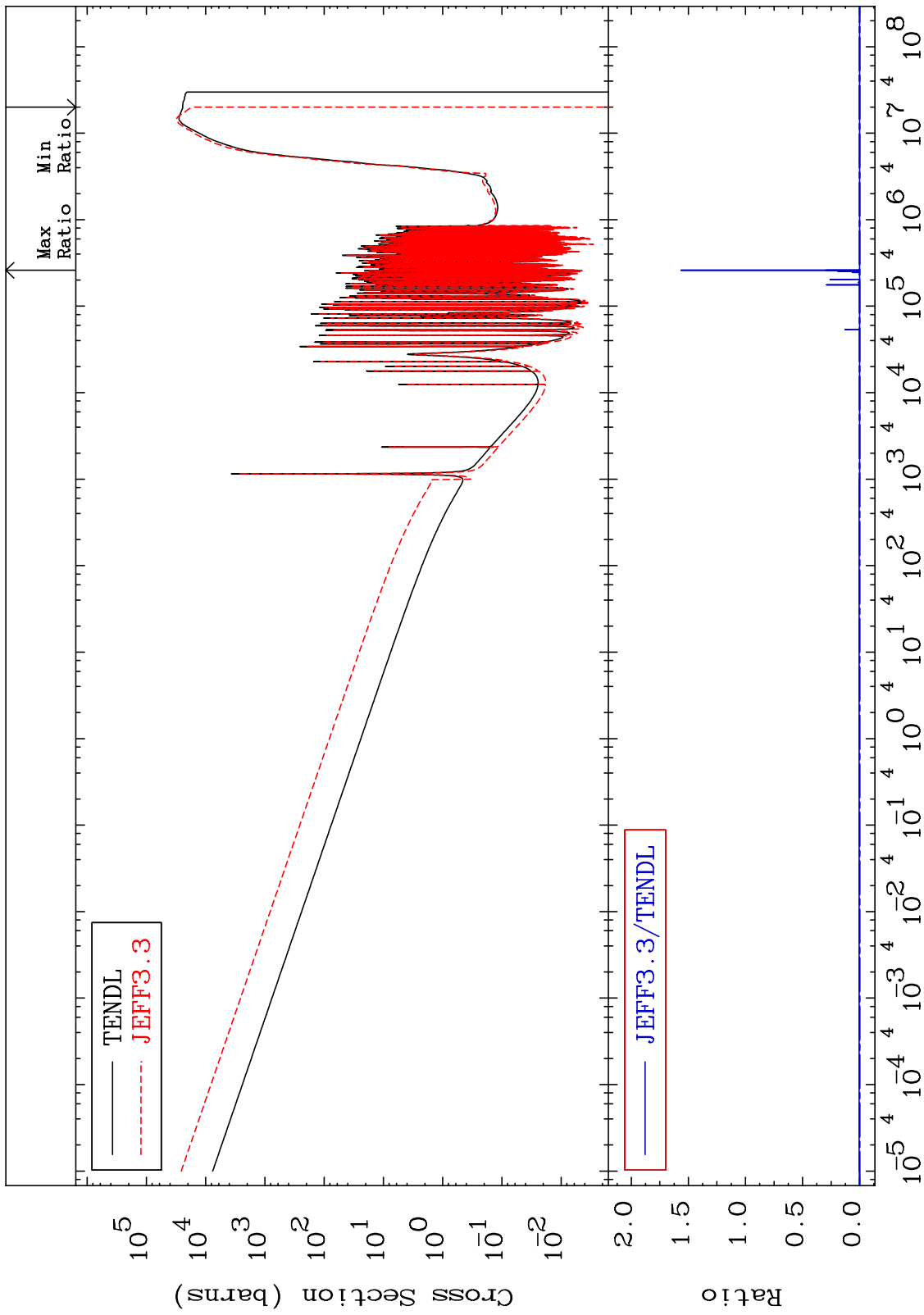


60 26-Fe-56

MAT 2631

Dpa disappearance (mt102 -120)
Cross Section

26-Fe-56
-100.0 To 9999. %



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Incident Energy (eV)

26-Fe-56