

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

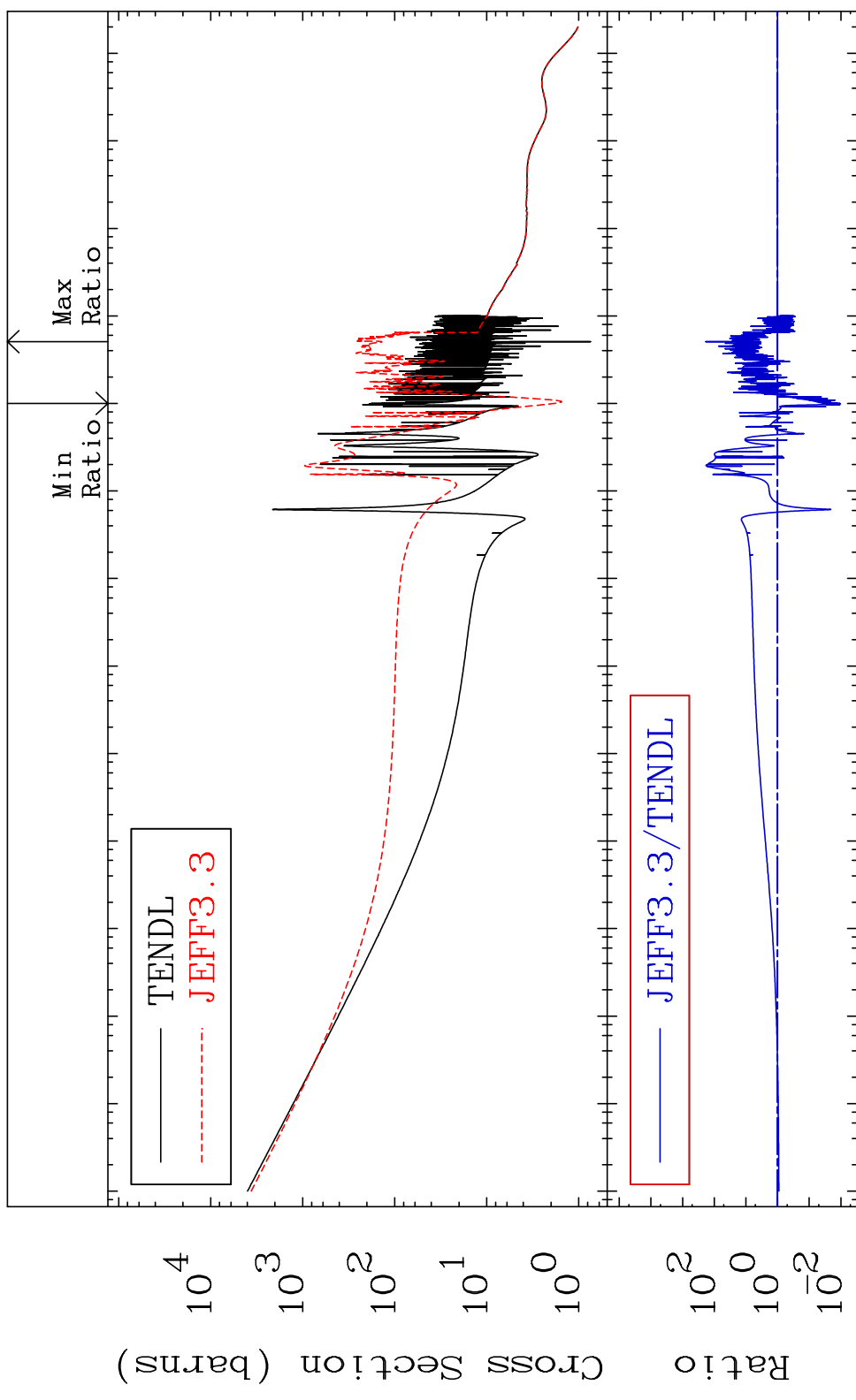
MAT 2519

Total

25-Mn-53

Cross Section

-98.97 To 9999. %



10⁴
10³
10²
10¹
10⁰
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

1

Incident Energy (eV)

25-Mn-53

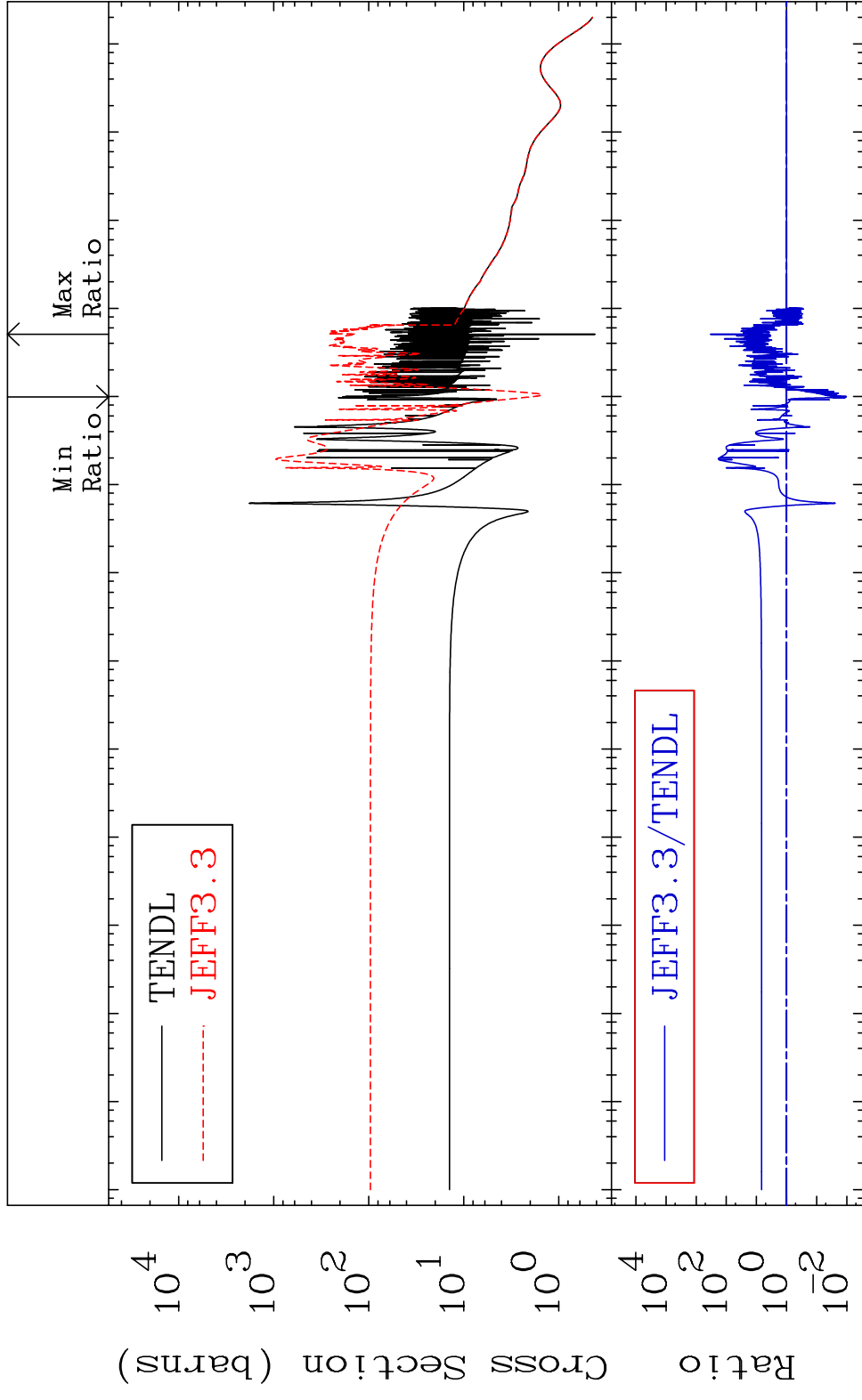
MAT 2519

Elastic

25-Mn-53

Cross Section

-98.96 To 9999. %

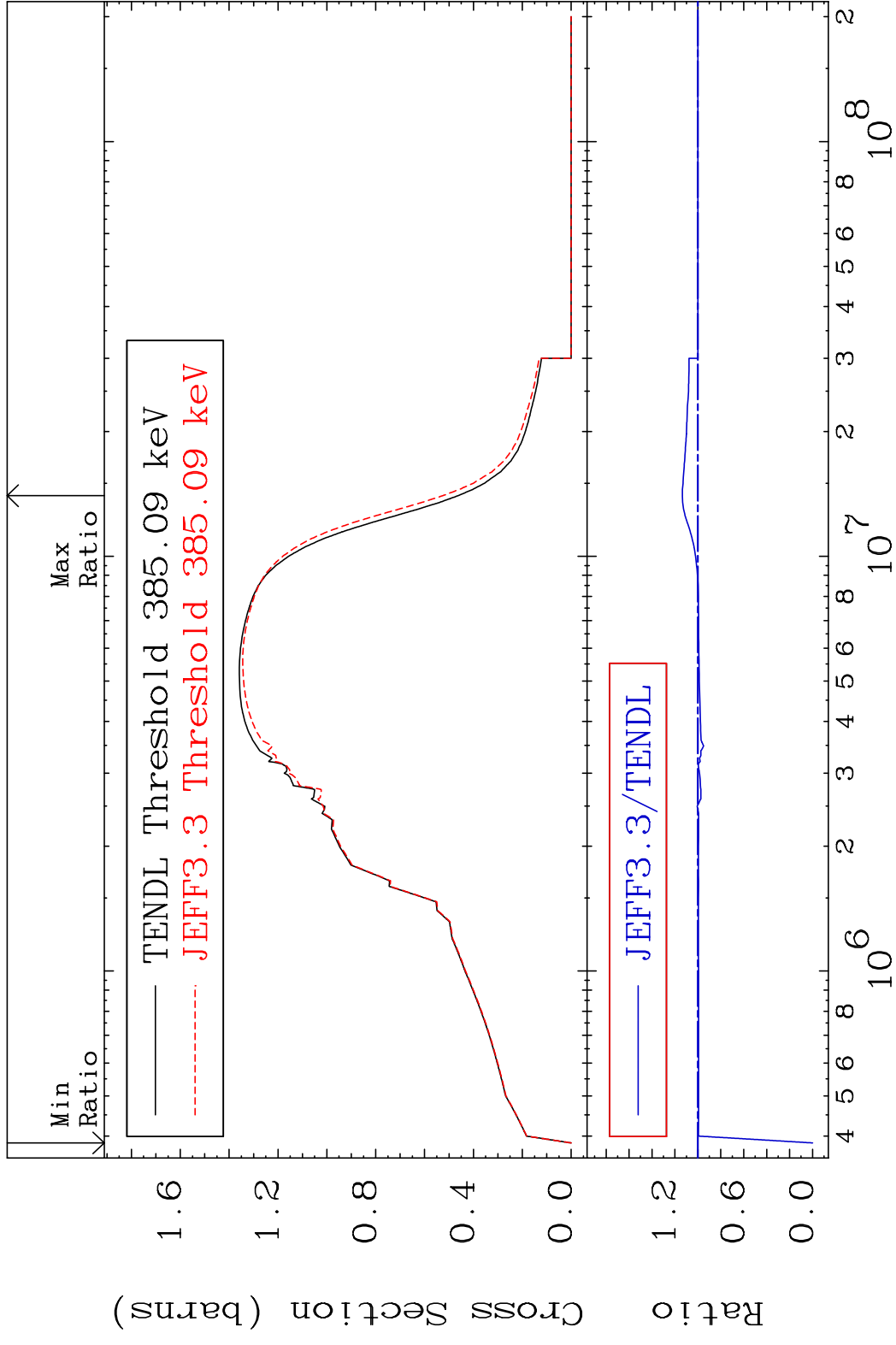


2

Incident Energy (eV)

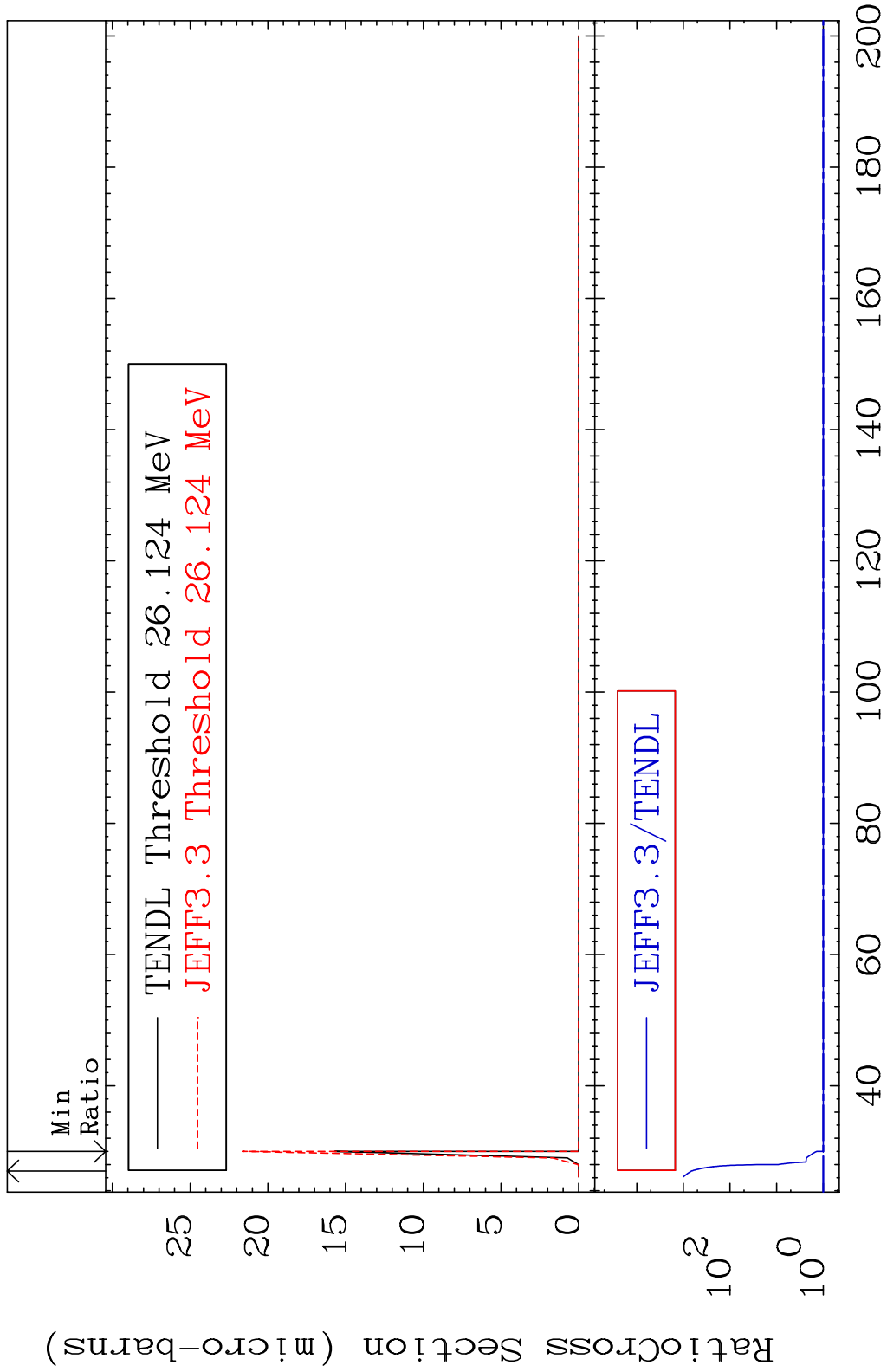
25-Mn-53

MAT 2519 Inelastic 25-Mn-53
 Cross Section -100.0 To 13.54 %

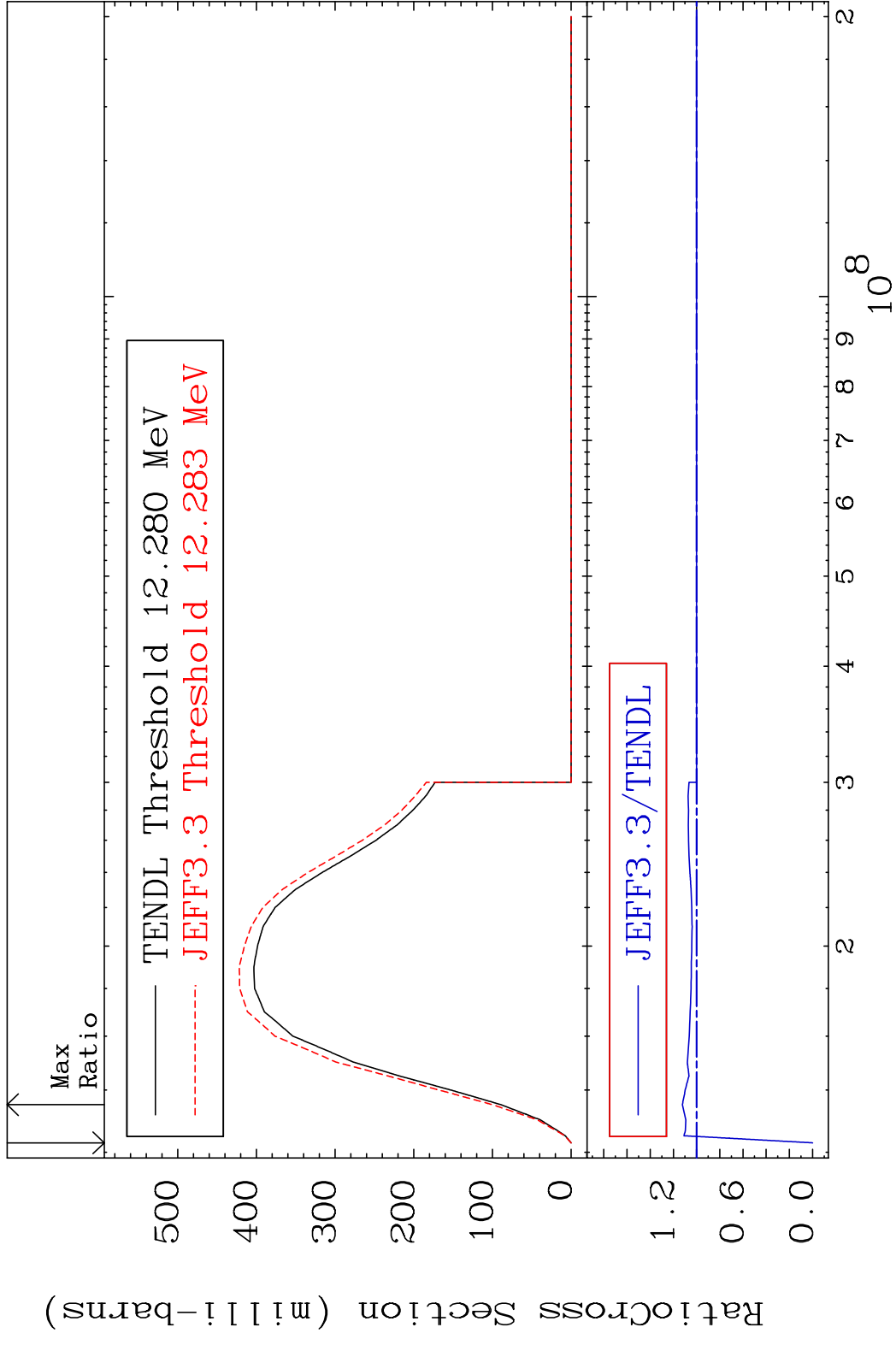


3 Incident Energy (eV) 25-Mn-53

MAT 2519 (n,2n) d 25-Mn-53
 Cross Section 0.000 To 9999. %



MAT 2519 (n,2n) 25-Mn-53
 Cross Section -100.0 To 12.26 %

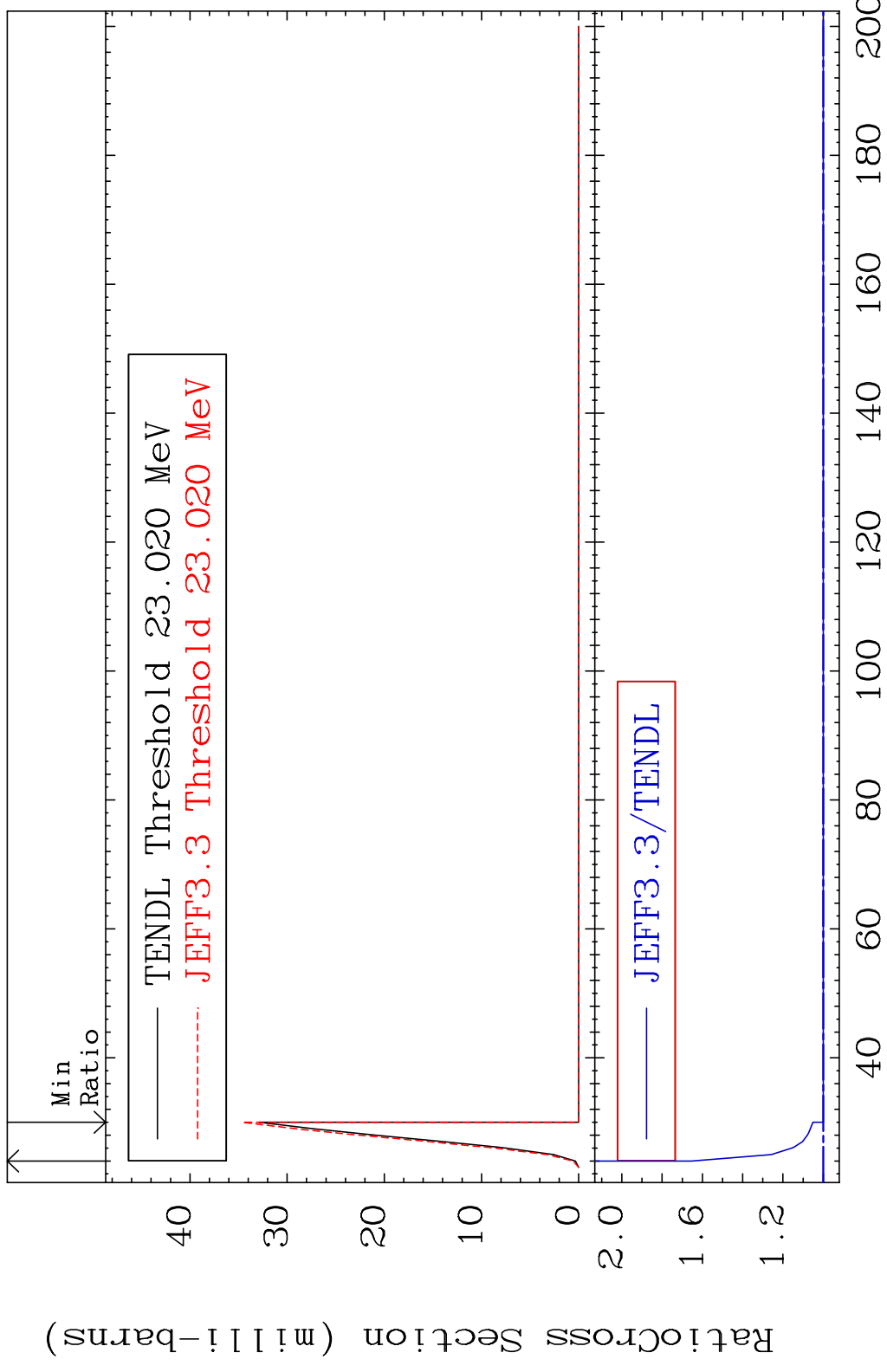


MAT 2519

(n,3n)

²⁵Mn-53

Cross Section 0.000 To 65.49 %

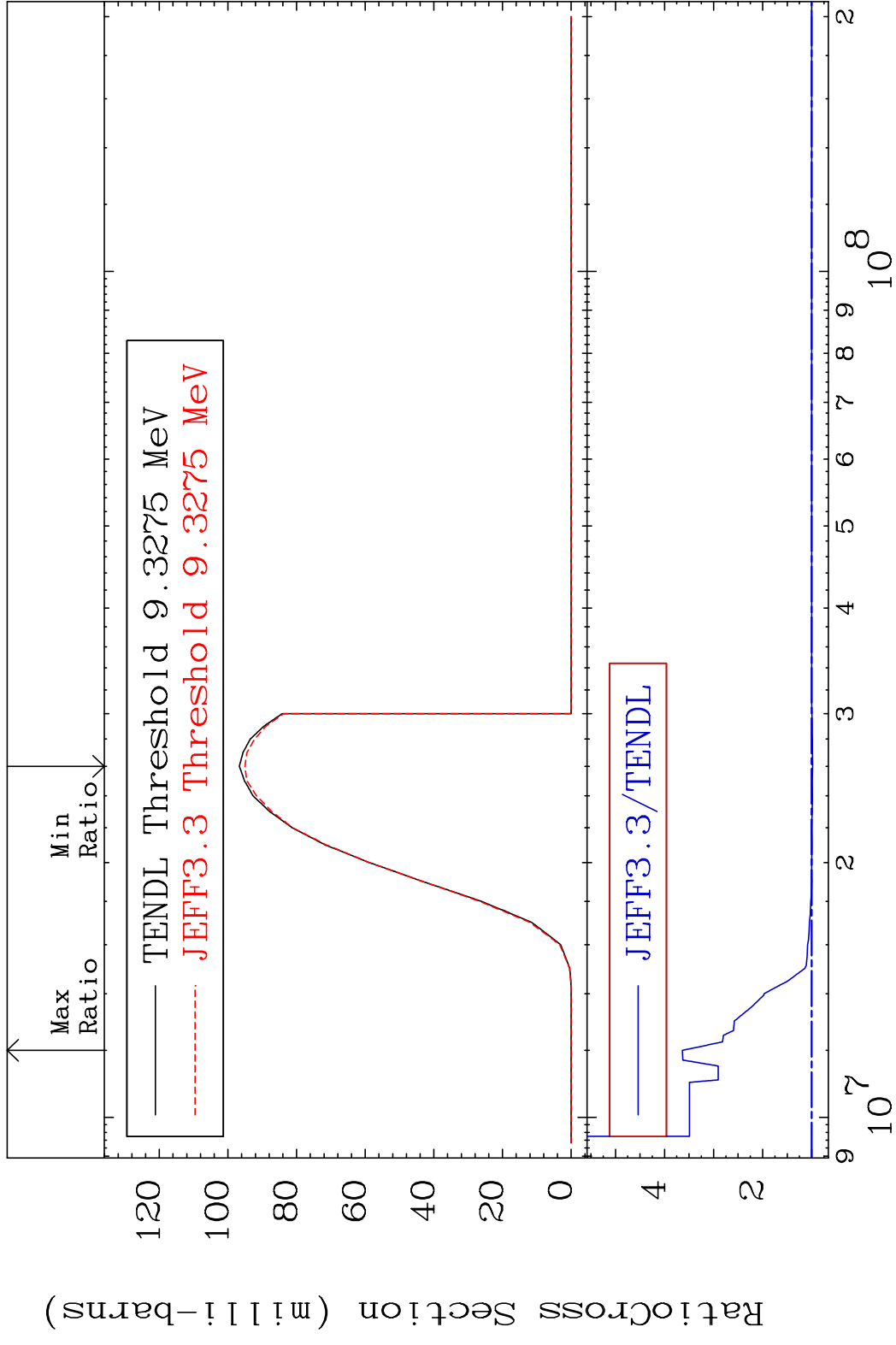


MAT 2519

(n, n') α

25-Mn-53

Cross Section -1.683 To 263.7 %

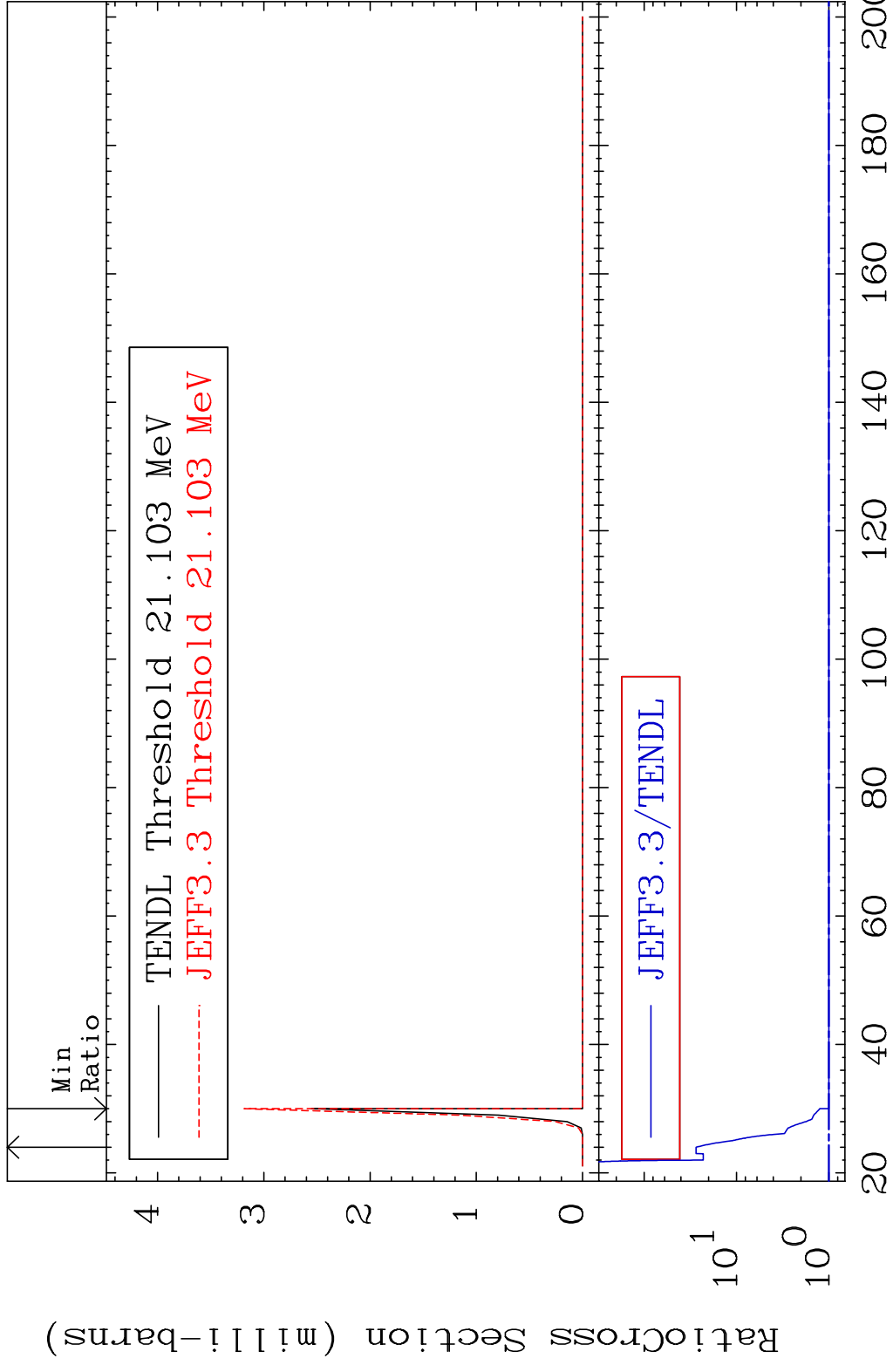


7

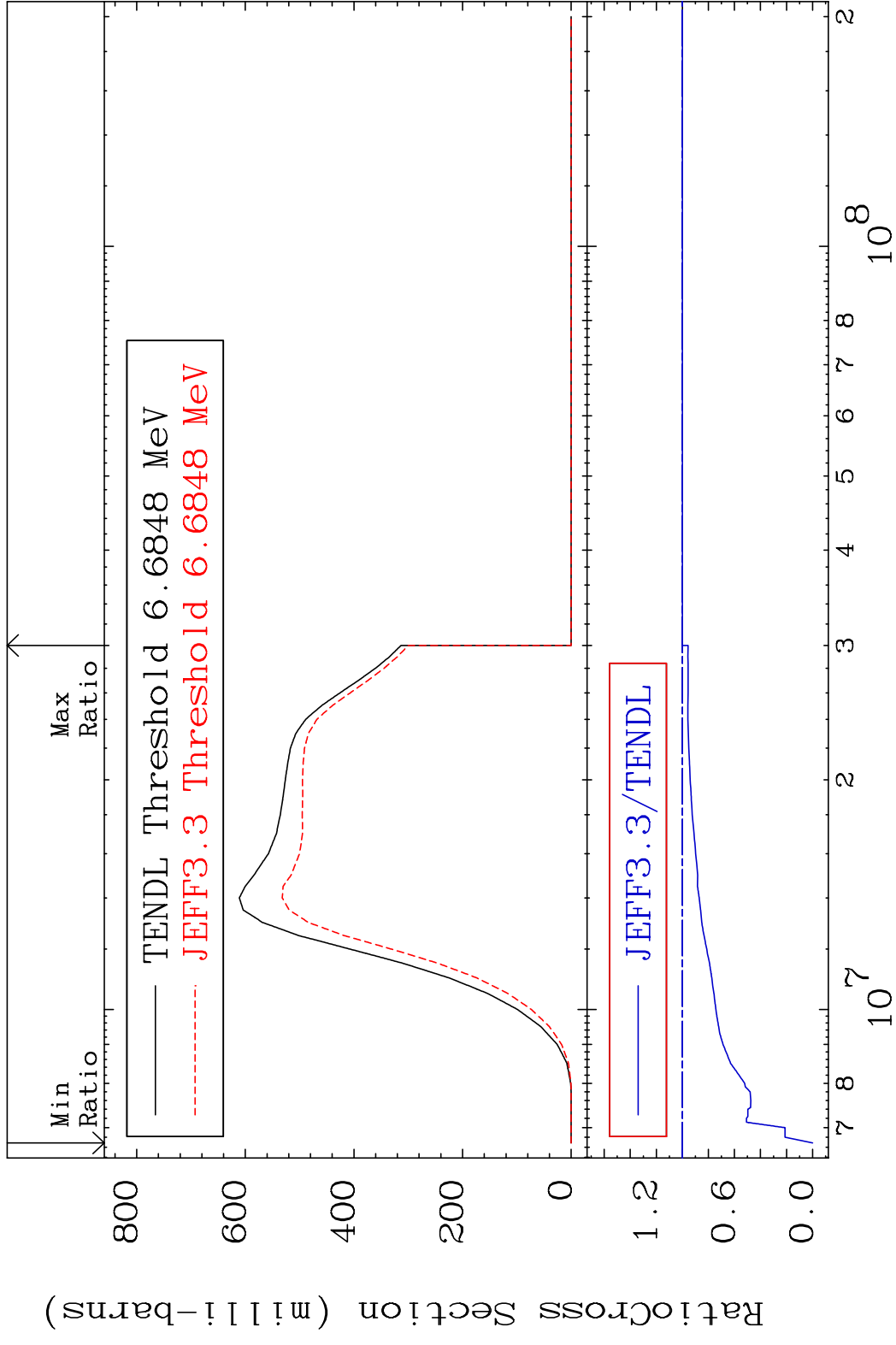
Incident Energy (eV)

25-Mn-53

MAT 2519 (n,2n) α 25-Mn-53
 Cross Section 0.000 To 2640. %

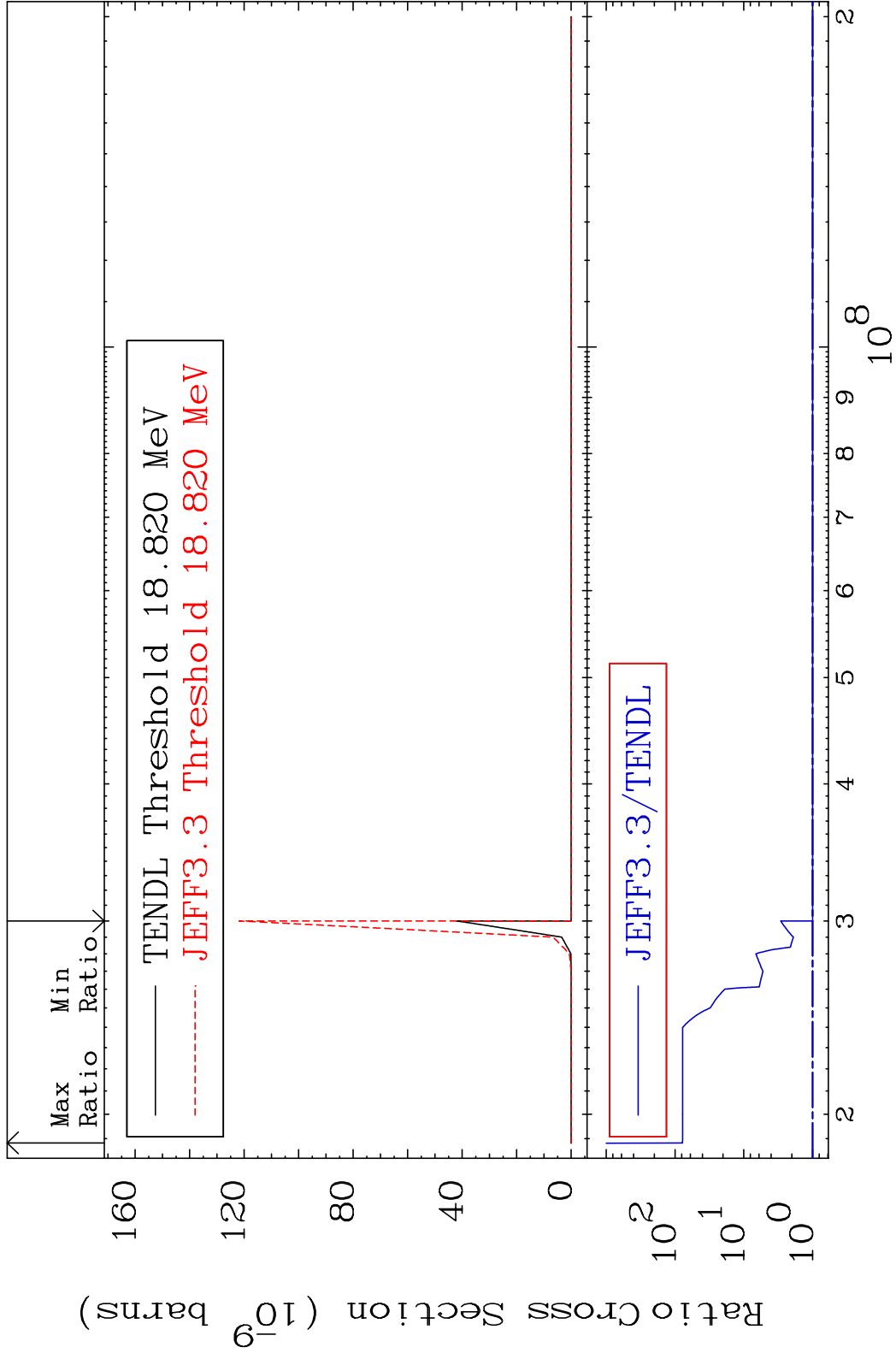


MAT 2519 (n, n') p 25-Mn-53
 Cross Section -100.0 To 0.000 %



9 9 Incident Energy (eV) 25-Mn-53

MAT 2519 (n, n') 2α 25-Mn-53
 Cross Section 0.000 To 7723. %



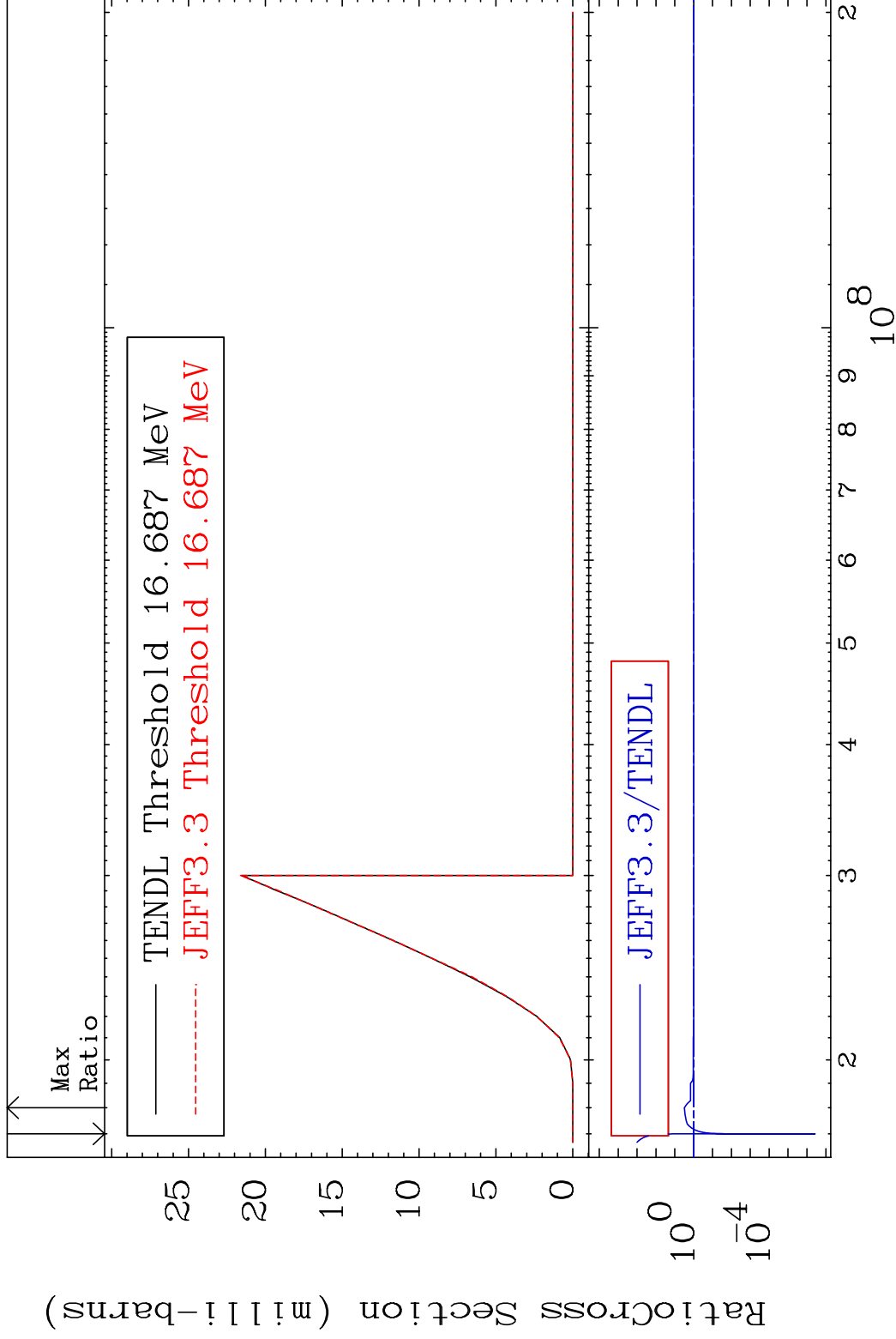
10 25-Mn-53

MAT 2519

(n, n') d

25-Mn-53

Cross Section -100.0 To 212.9 %

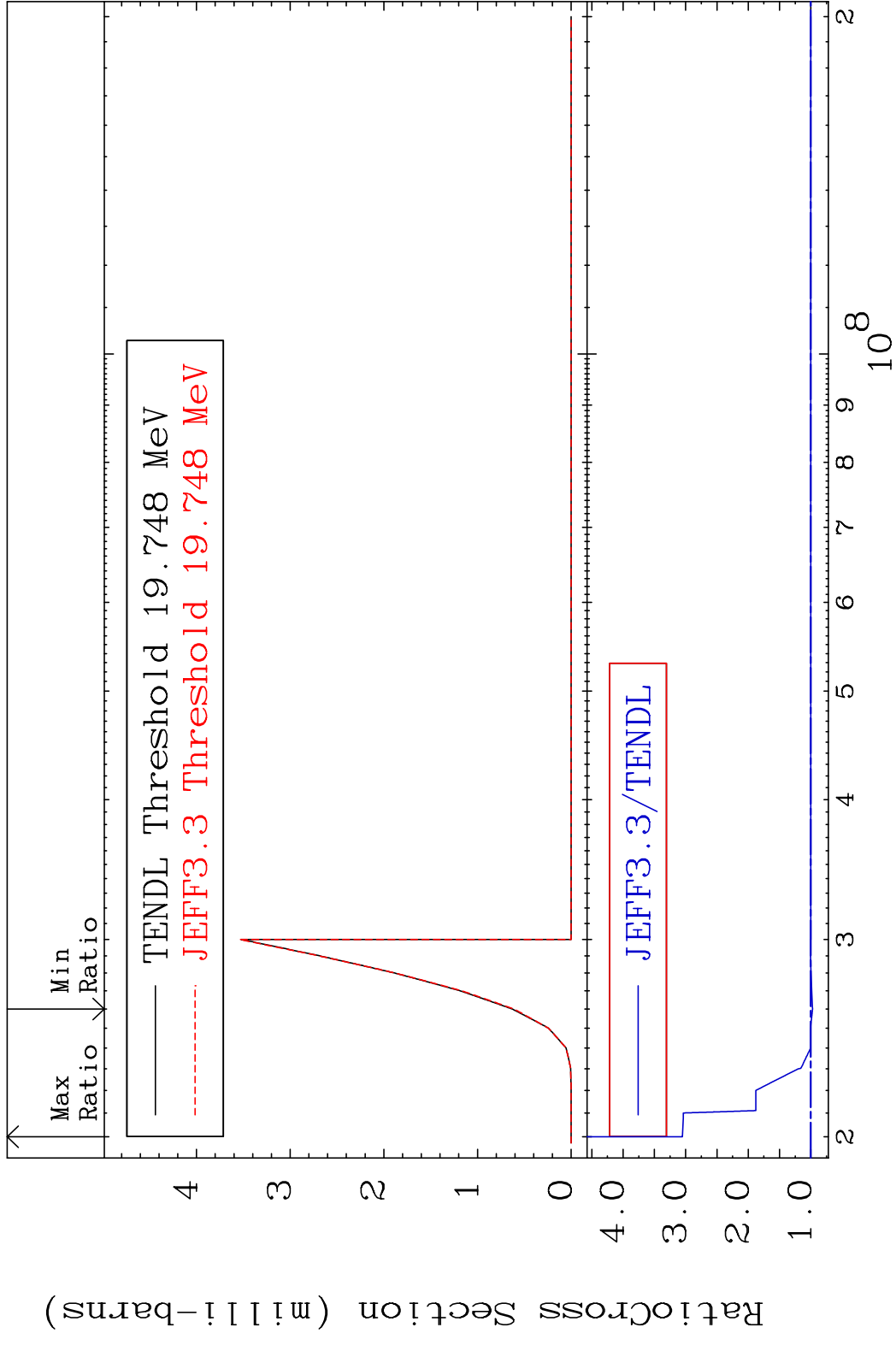


MAT 2519

(n, n') t

25-Mn-53

Cross Section -2.799 To 205.3 %



12

Incident Energy (eV)

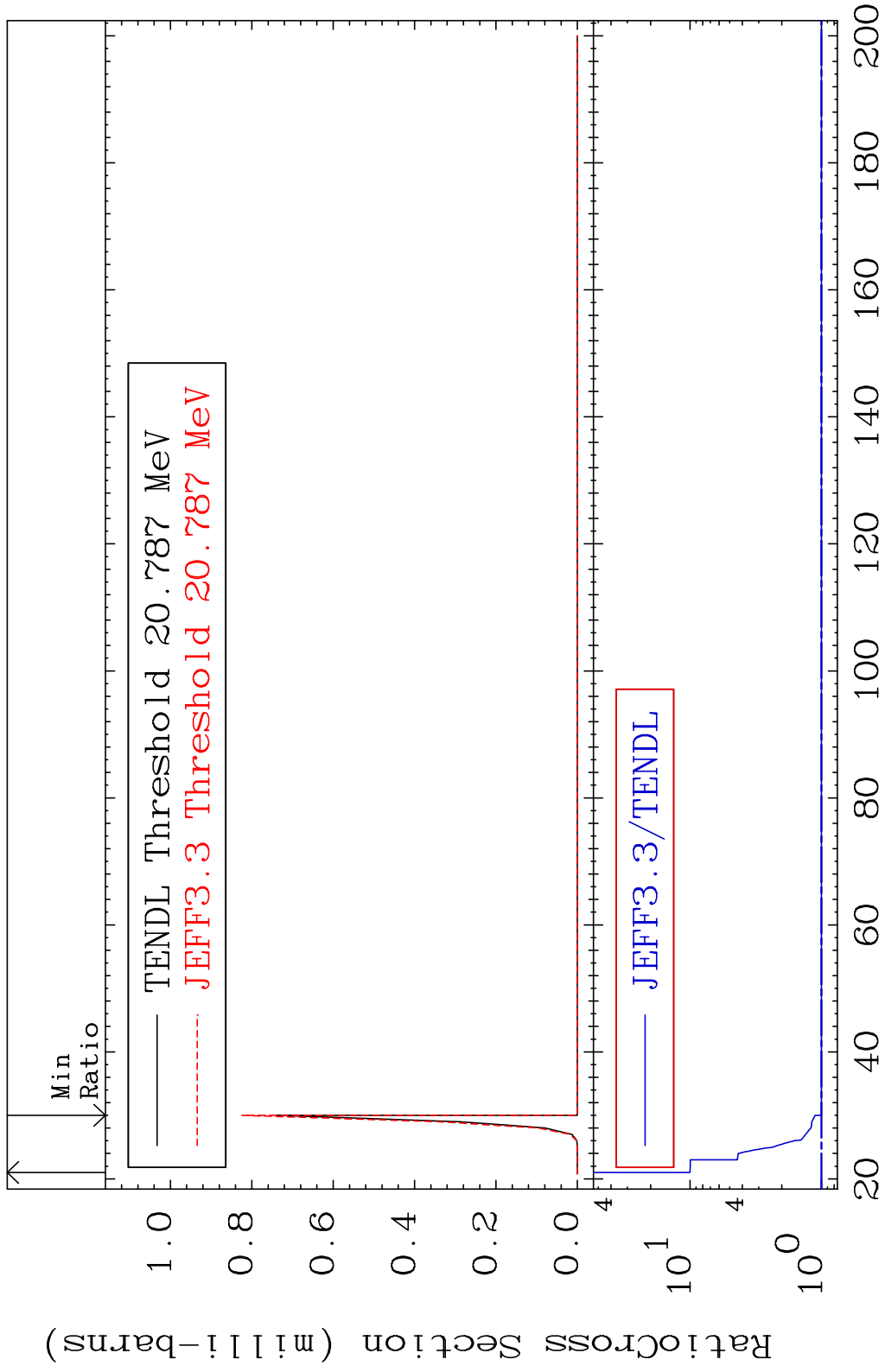
25-Mn-53

MAT 2519

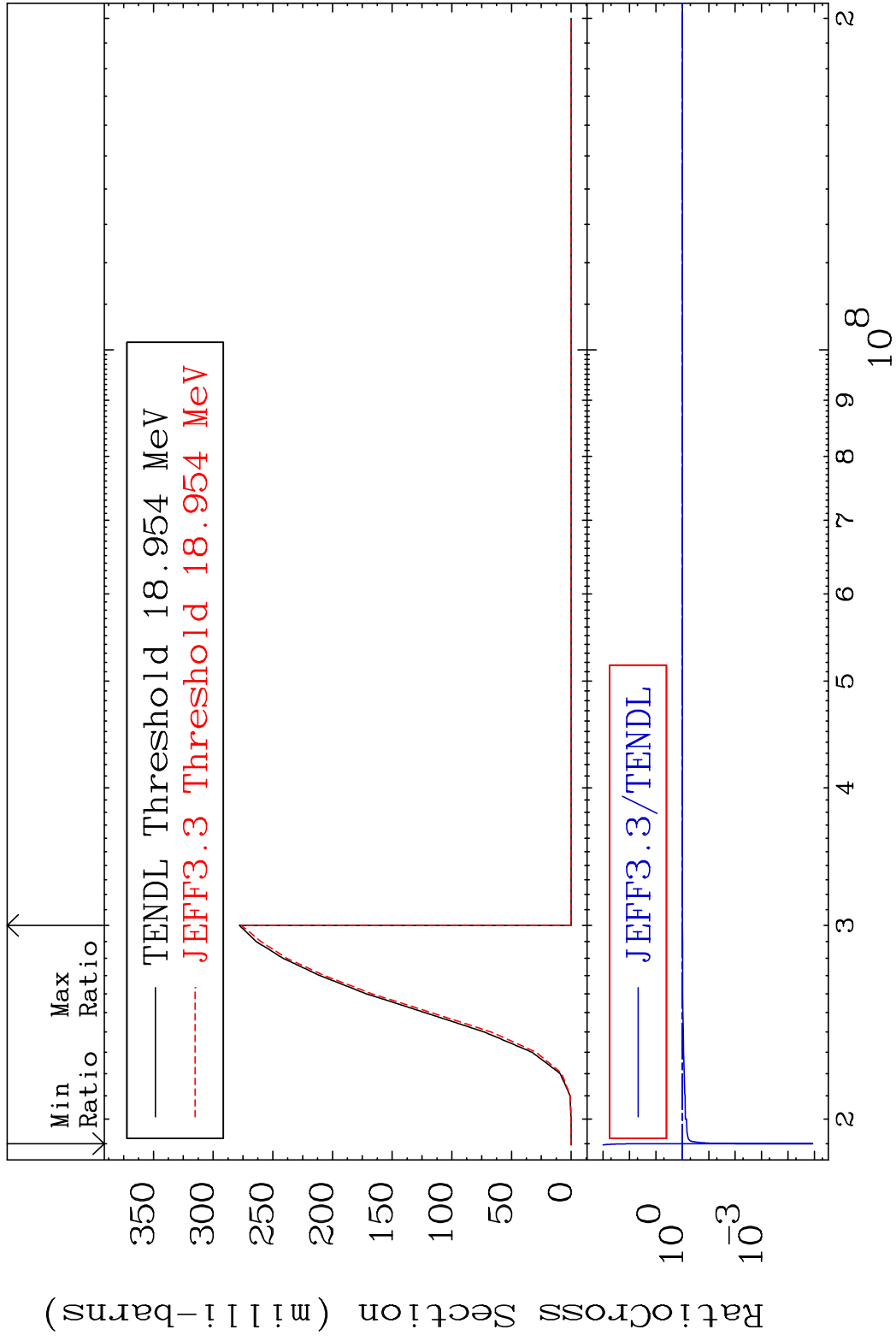
(n,n') He-3

25-Mn-53

Cross Section 0.000 To 904.9 %

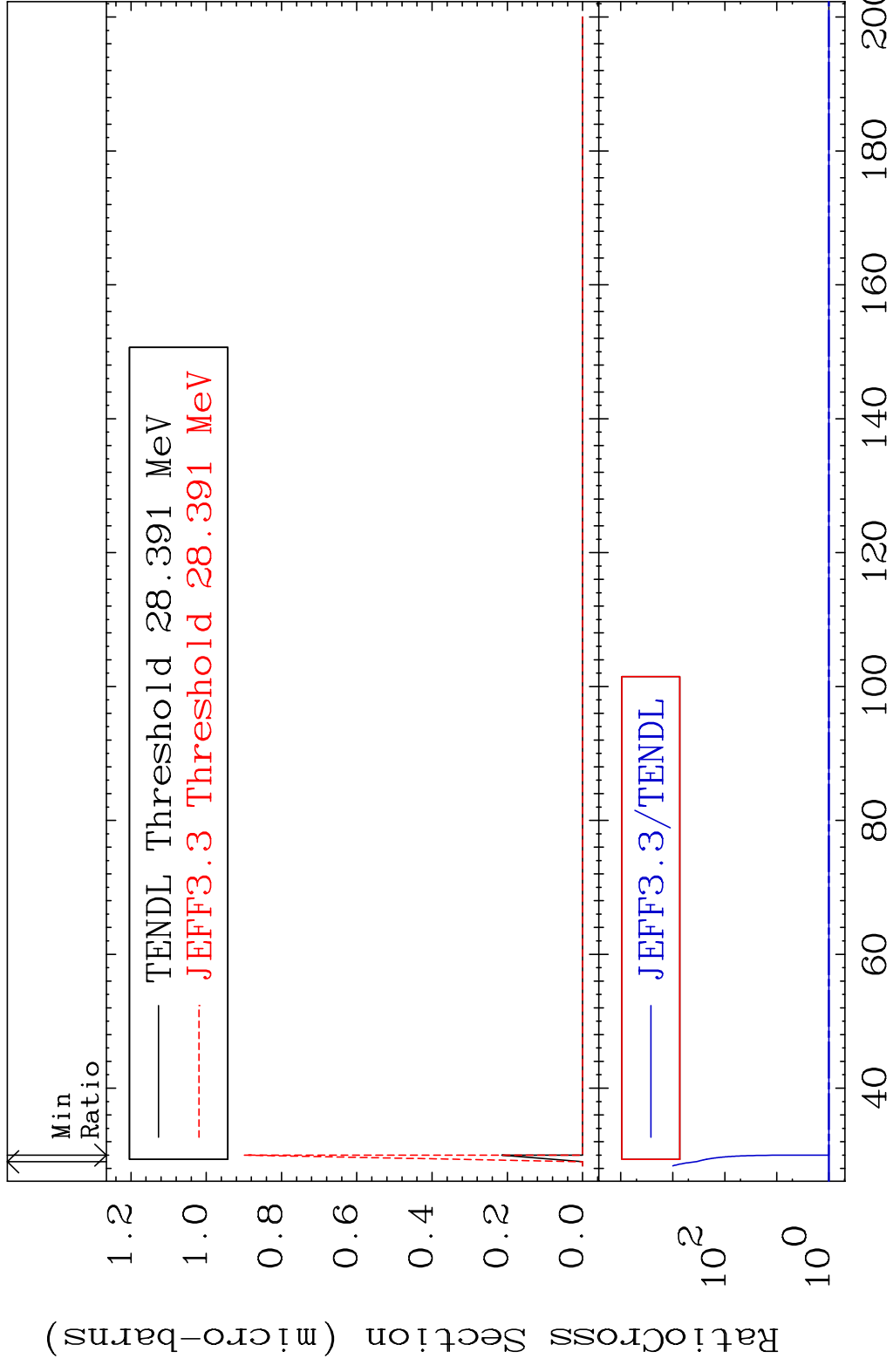


MAT 2519 (n,2n) p 25-Mn-53
 Cross Section -100.0 To 0.000 %

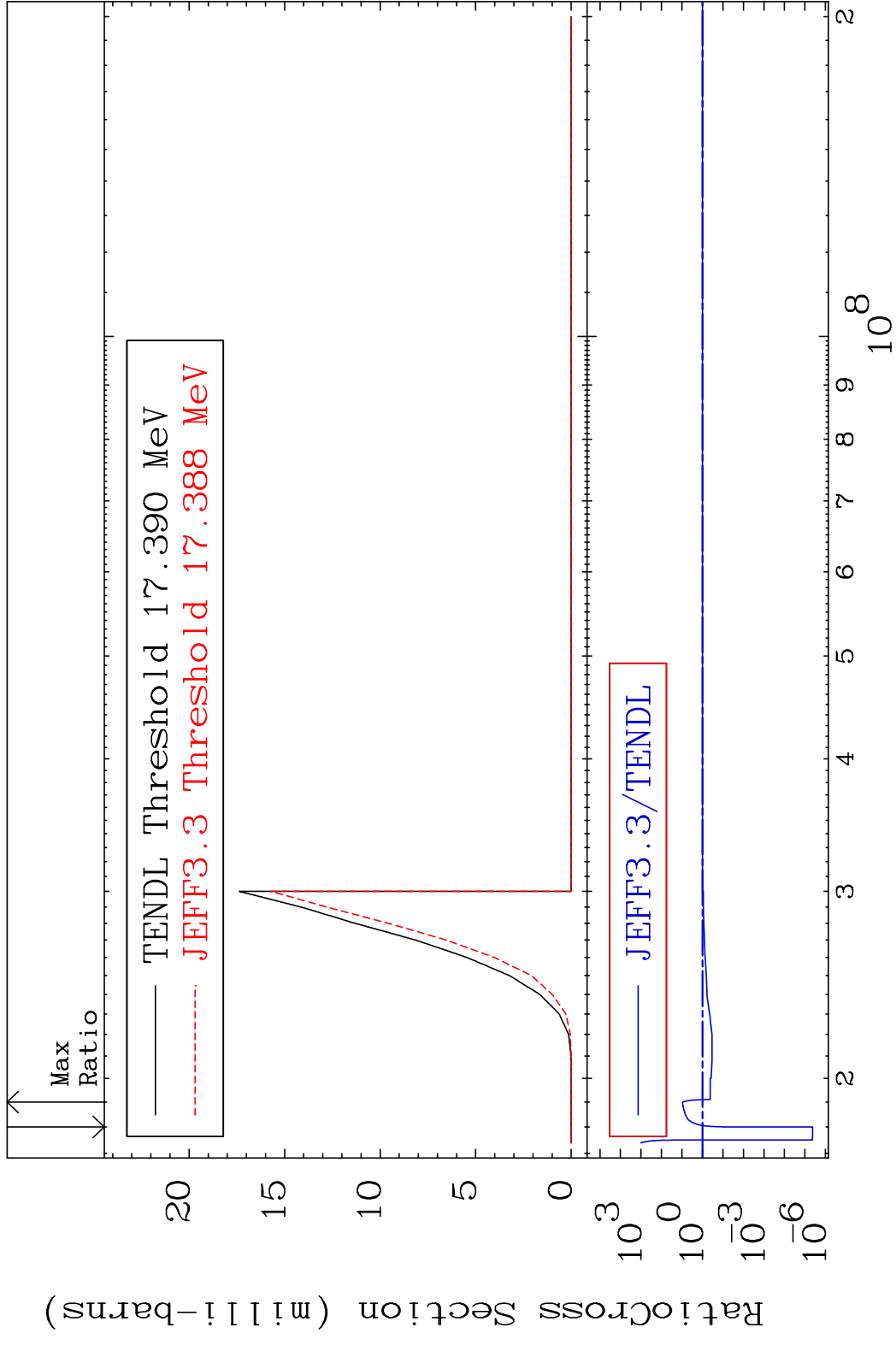


14 Incident Energy (eV) 25-Mn-53

MAT 2519 (n,3n) p 25-Mn-53
 Cross Section 0.000 To 9999. %



MAT 2519 (n,2n) p 25-Mn-53
 Cross Section -100.0 To 856.3 %

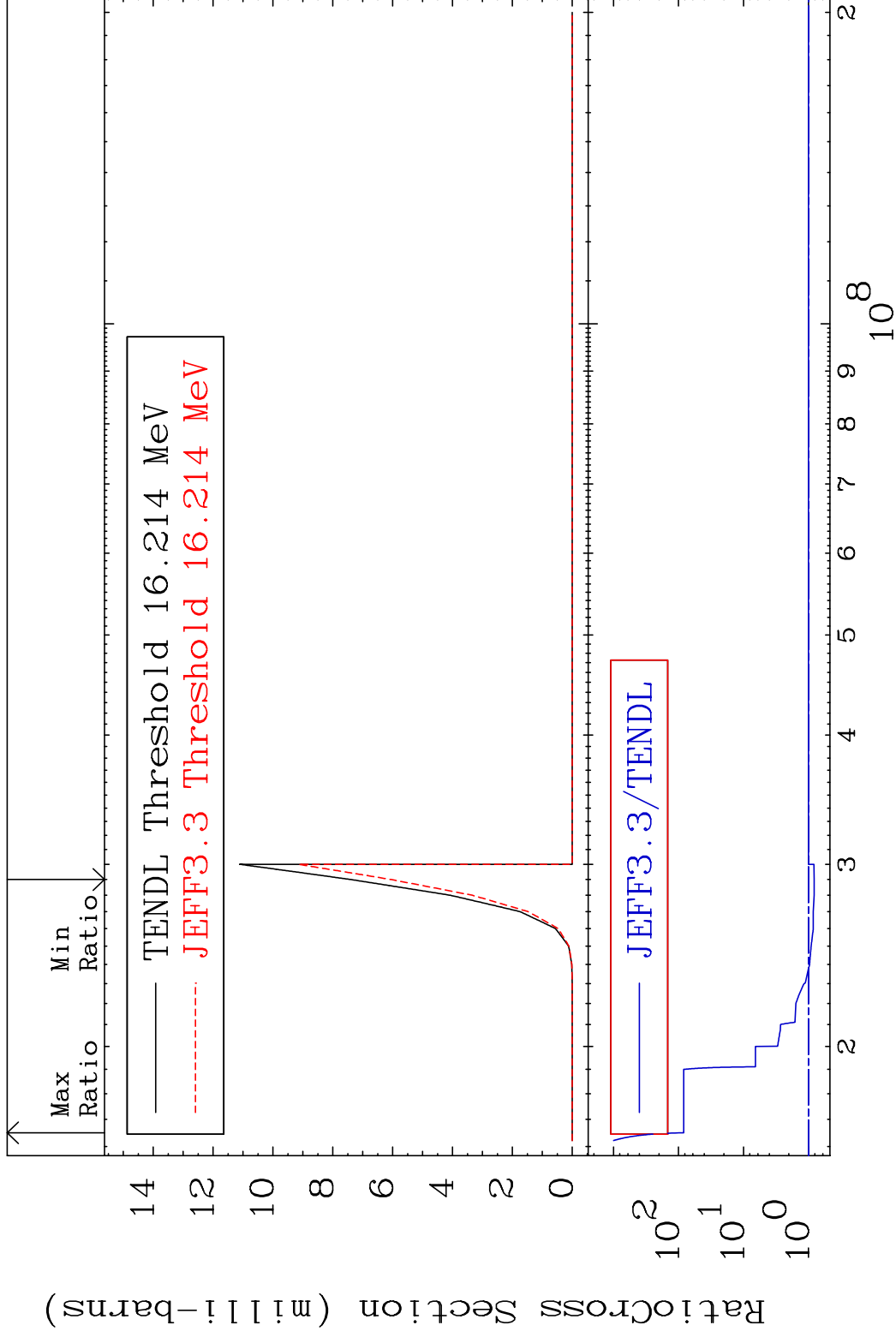


MAT 2519

(n,n') p α

25-Mn-53

Cross Section -18.13 To 8223. %

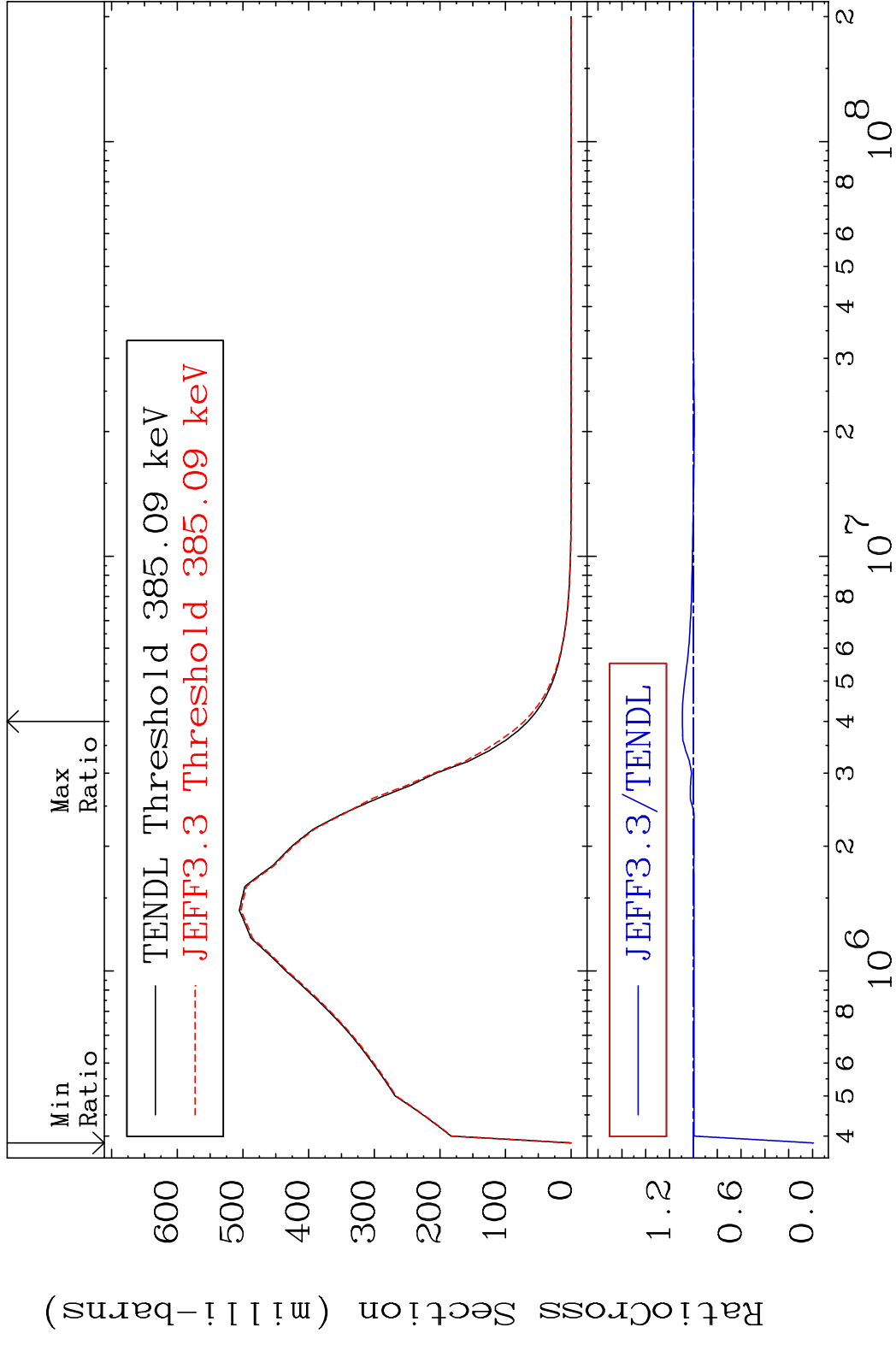


17

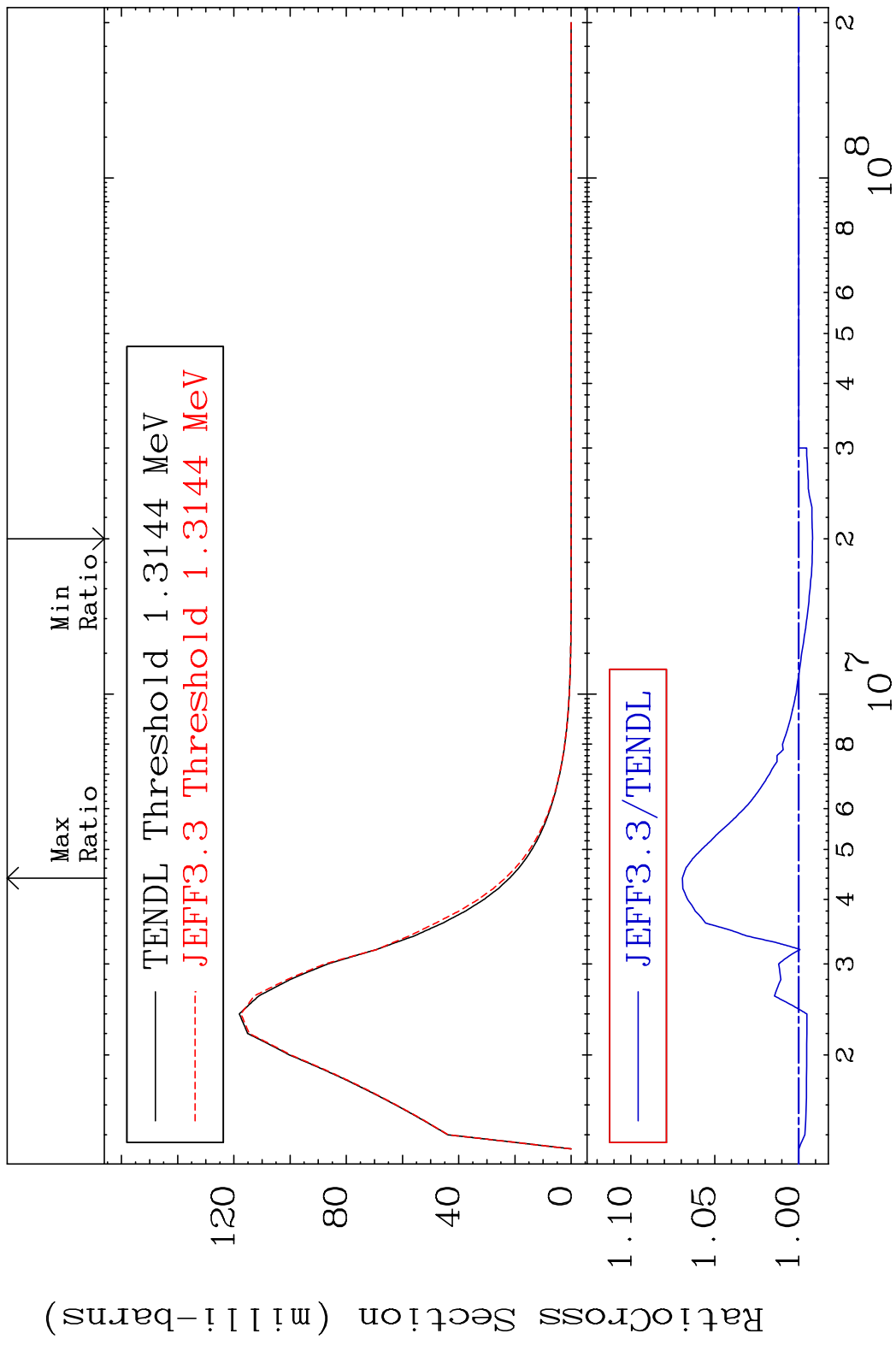
Incident Energy (eV)

25-Mn-53

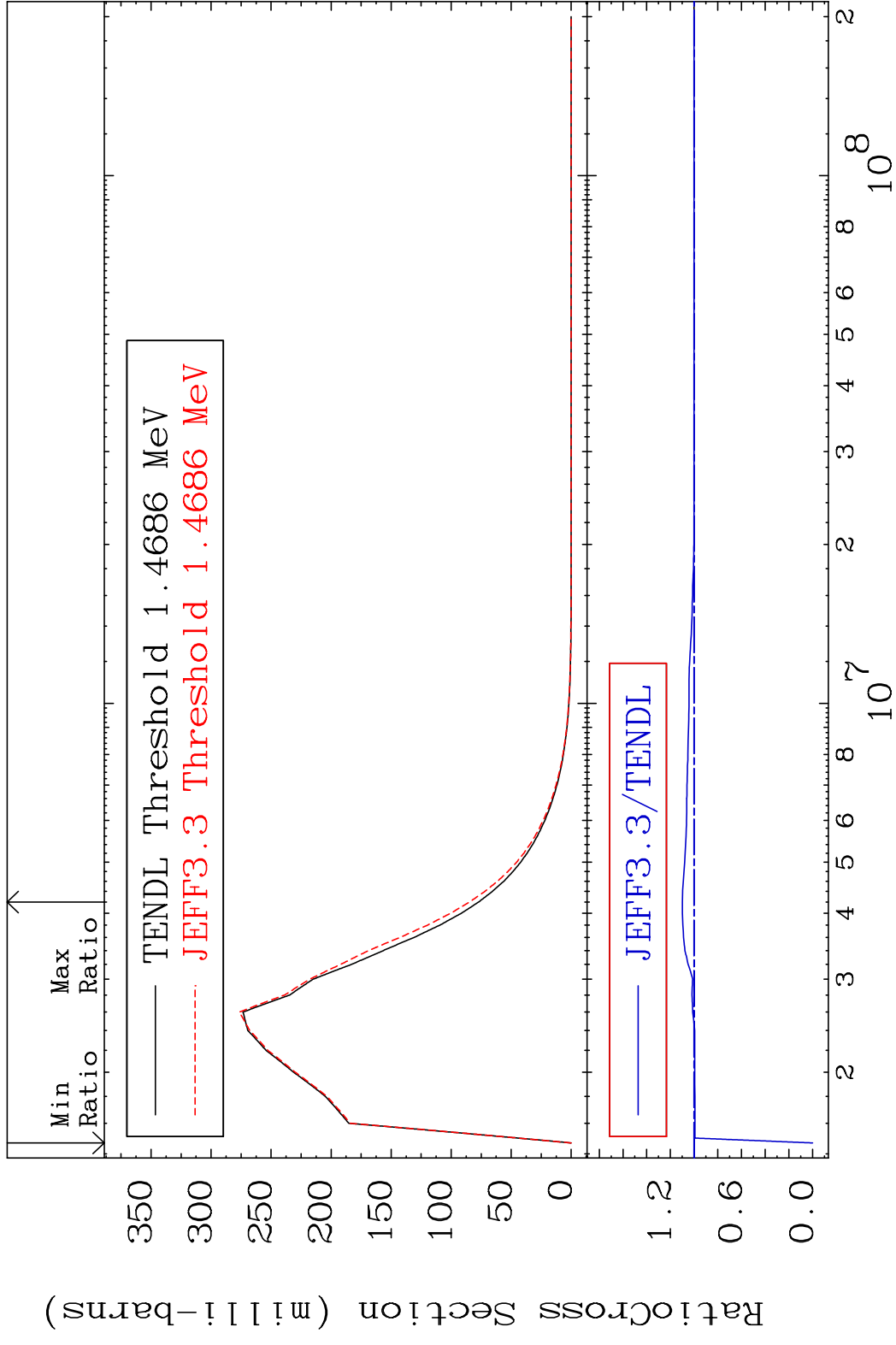
MAT 2519 MT= 51 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 9.240 %



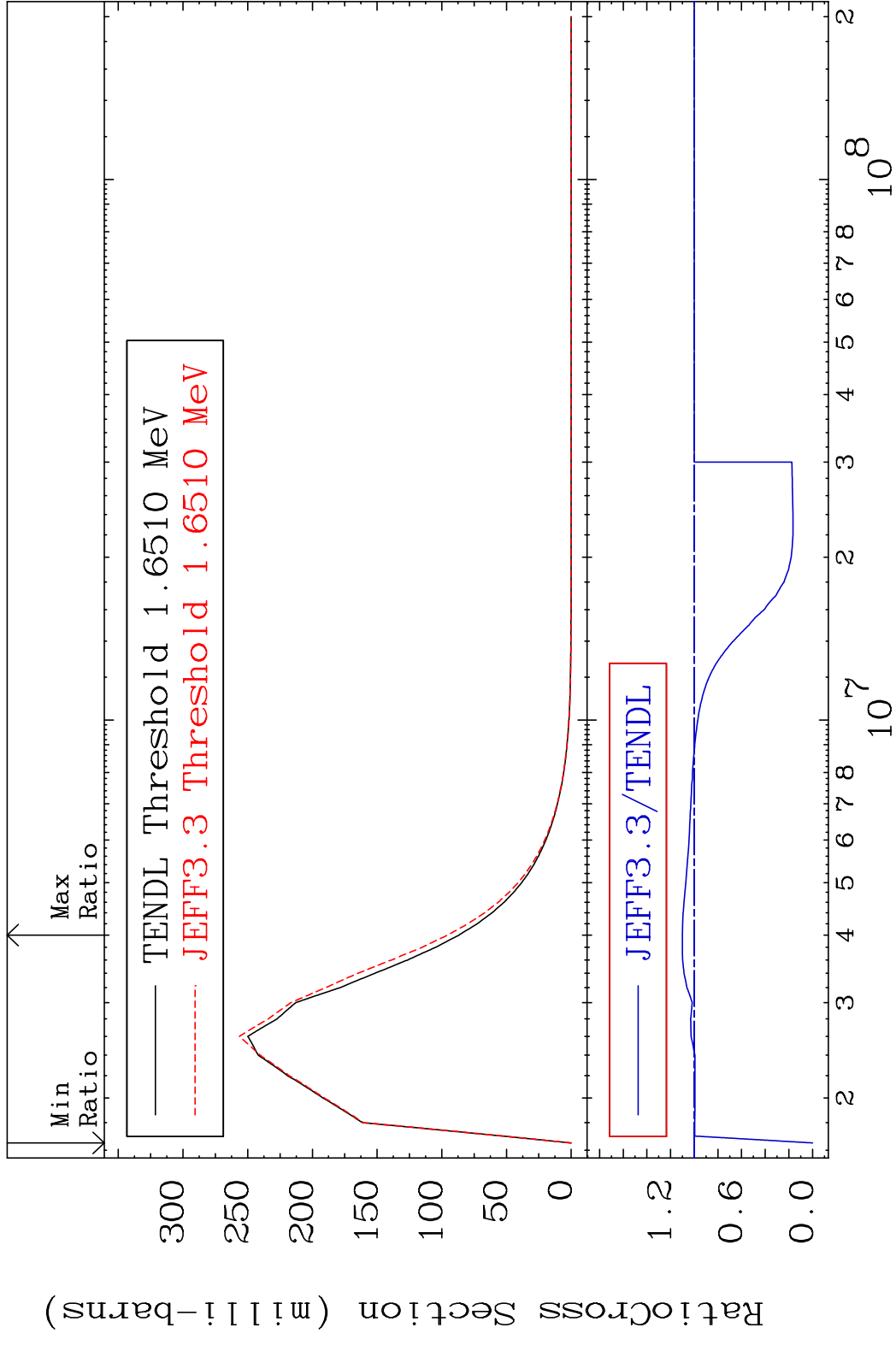
MAT 2519 MT= 52 (n, n') Level 25-Mn-53
 Cross Section -0.826 To 6.927 %



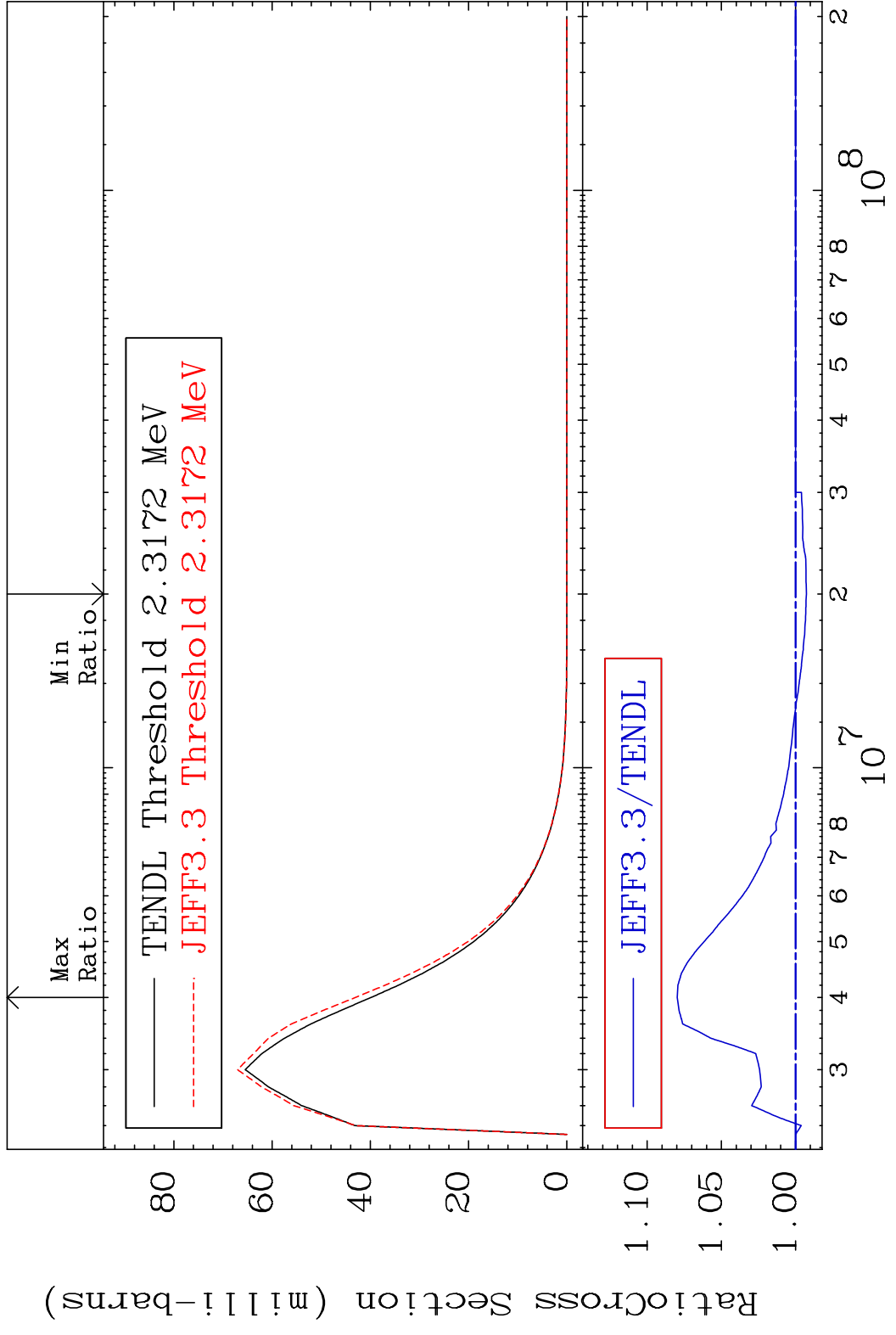
MAT 2519 MT= 53 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 9.891 %



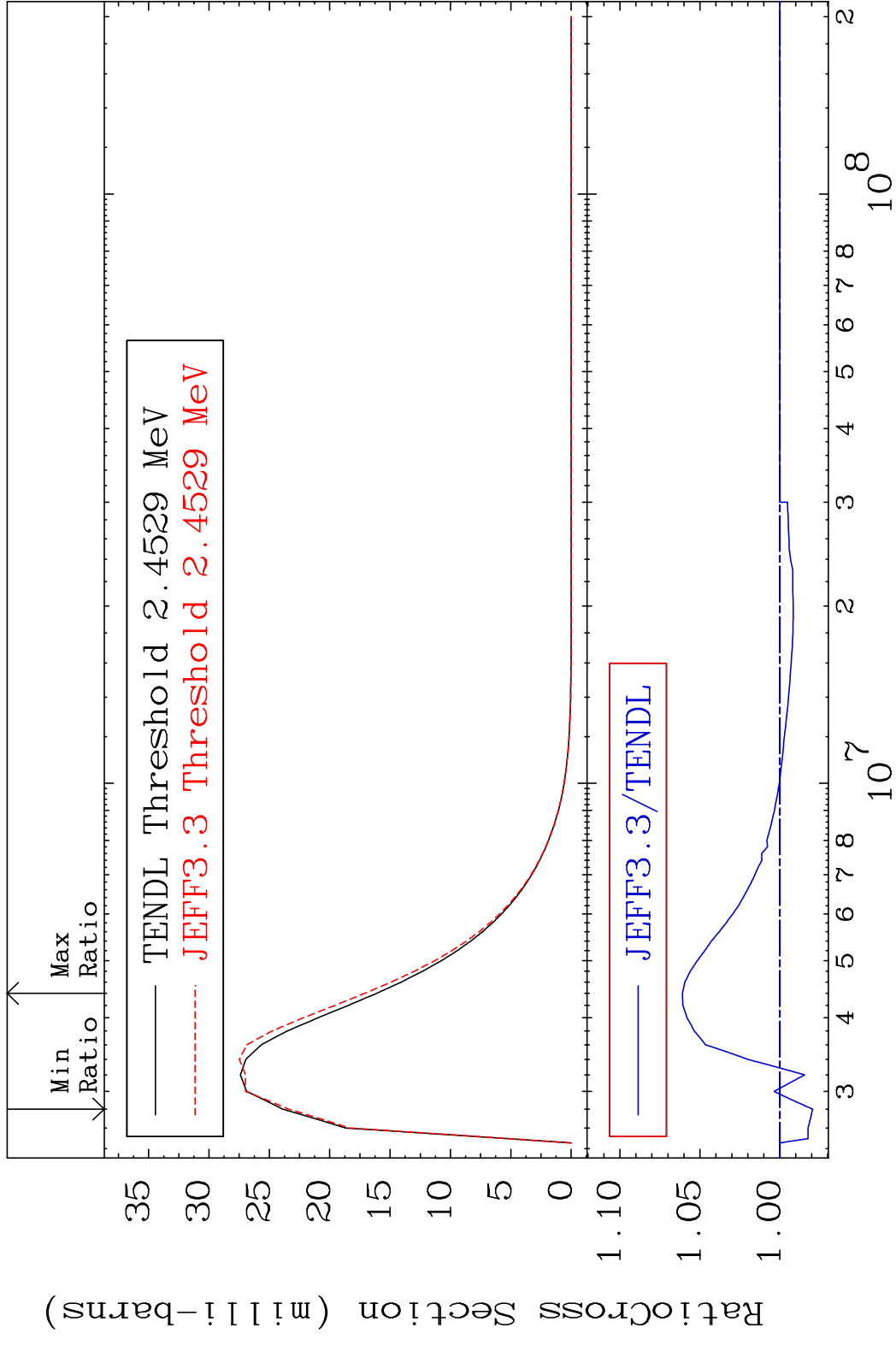
MAT 2519 MT= 54 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 10.03 %



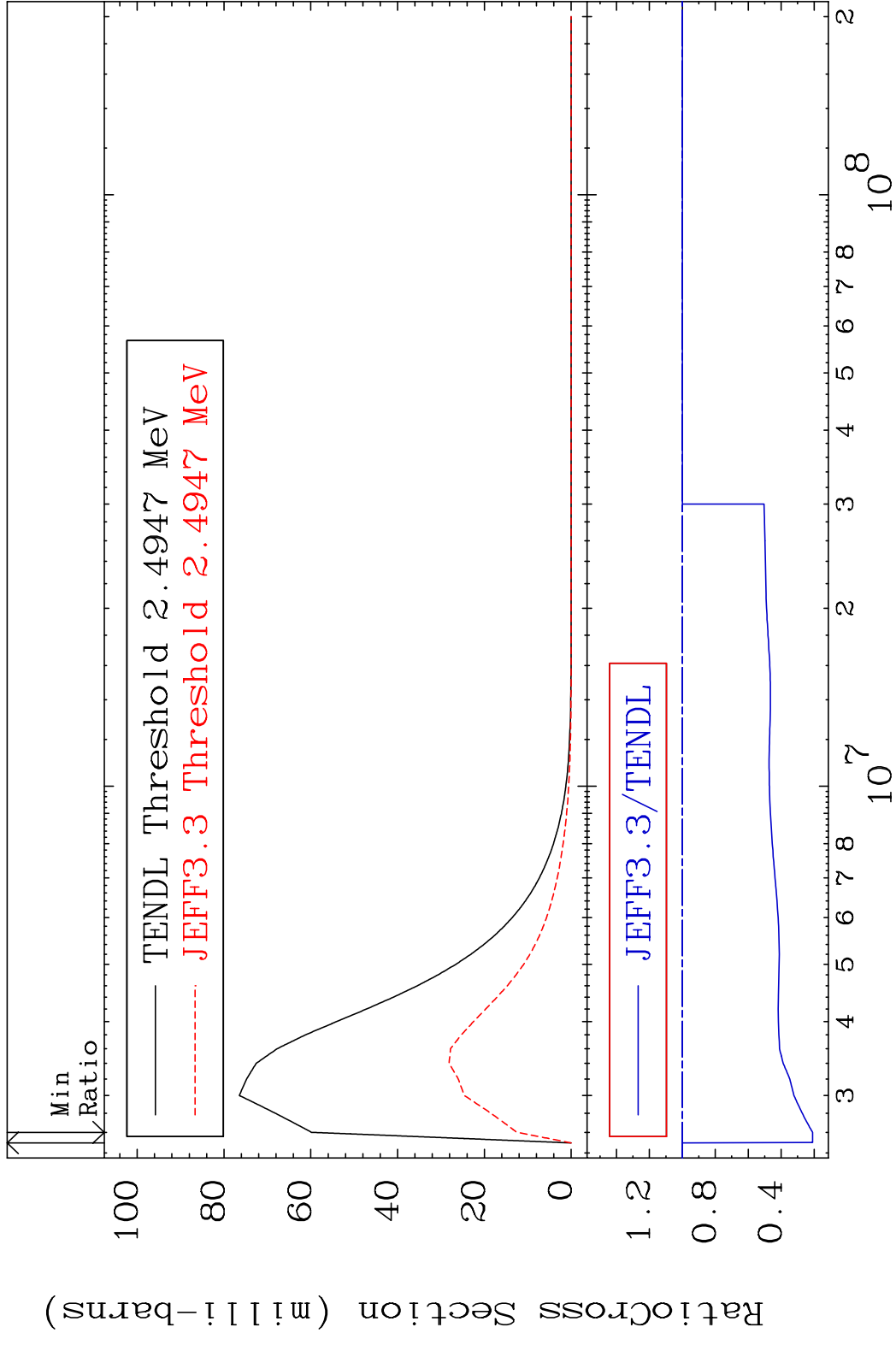
MAT 2519 MT= 55 (n, n') Level 25-Mn-53
 Cross Section -0.730 To 7.979 %



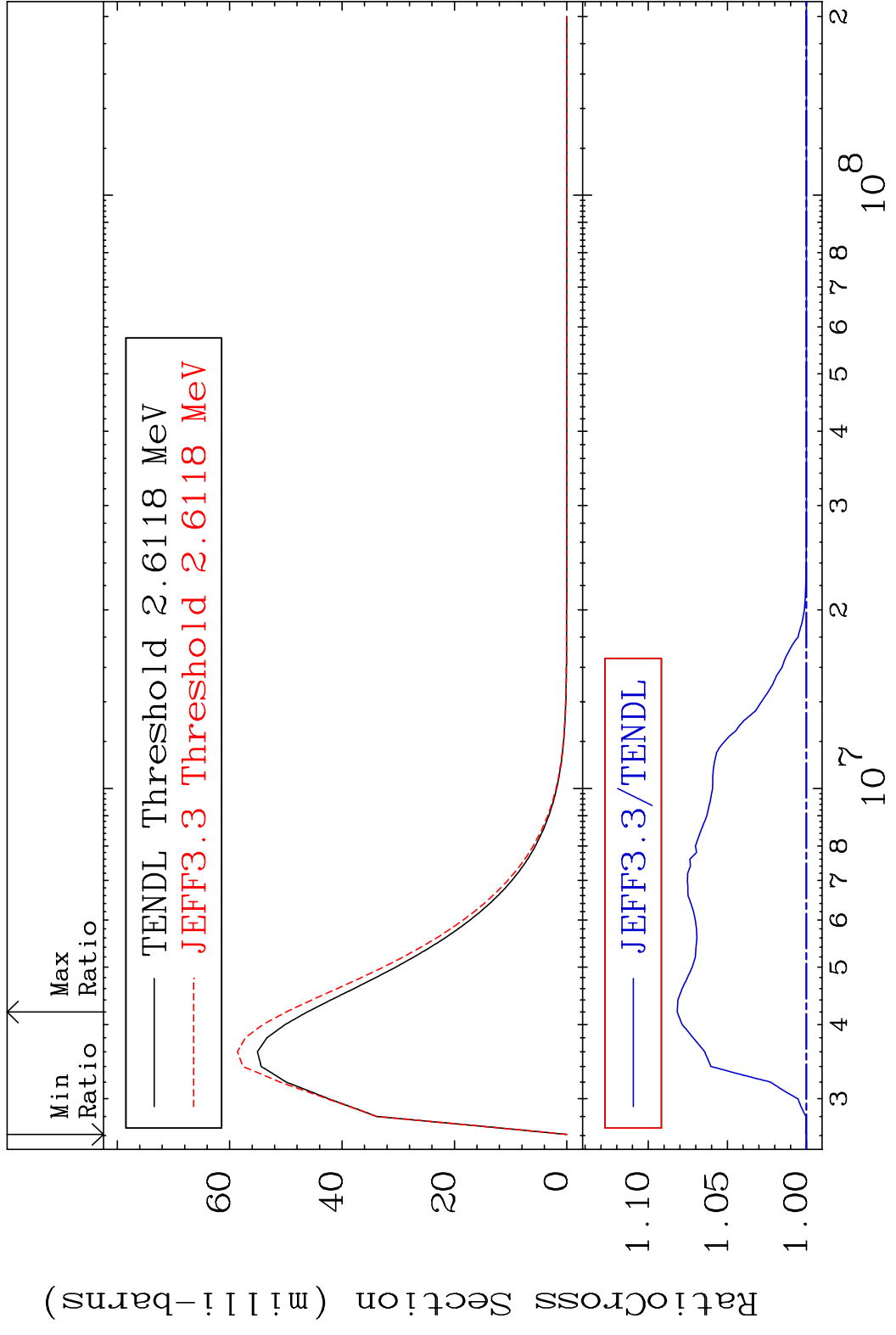
MAT 2519 MT= 56 (n,n') Level 25-Mn-53
 Cross Section -2.052 To 6.097 %



MAT 2519 MT= 57 (n, n') Level 25-Mn-53
 Cross Section -79.06 To 0.000 %

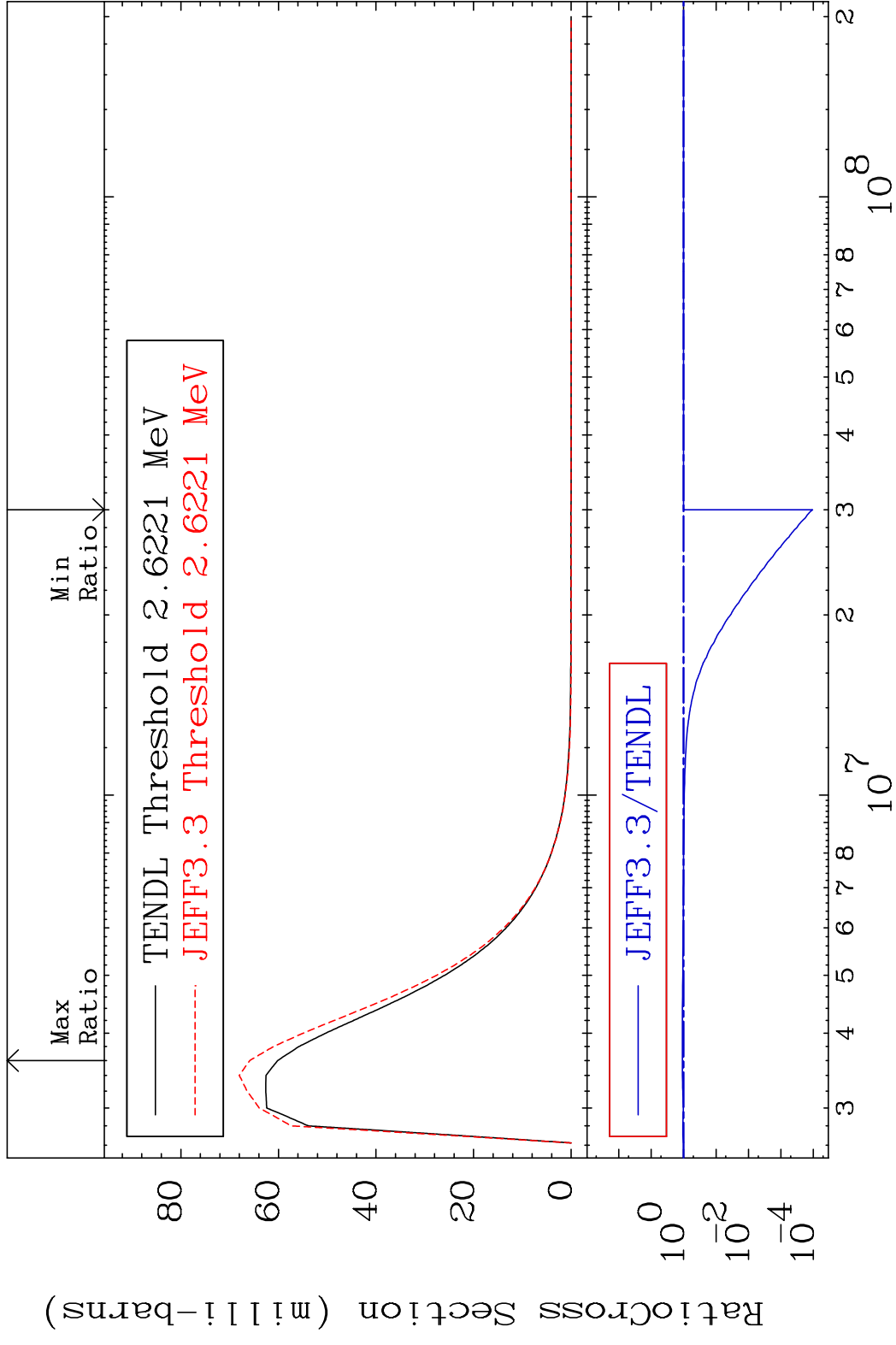


MAT 2519 MT= 58 (n, n') Level 25-Mn-53
 Cross Section 0.000 To 8.174 %

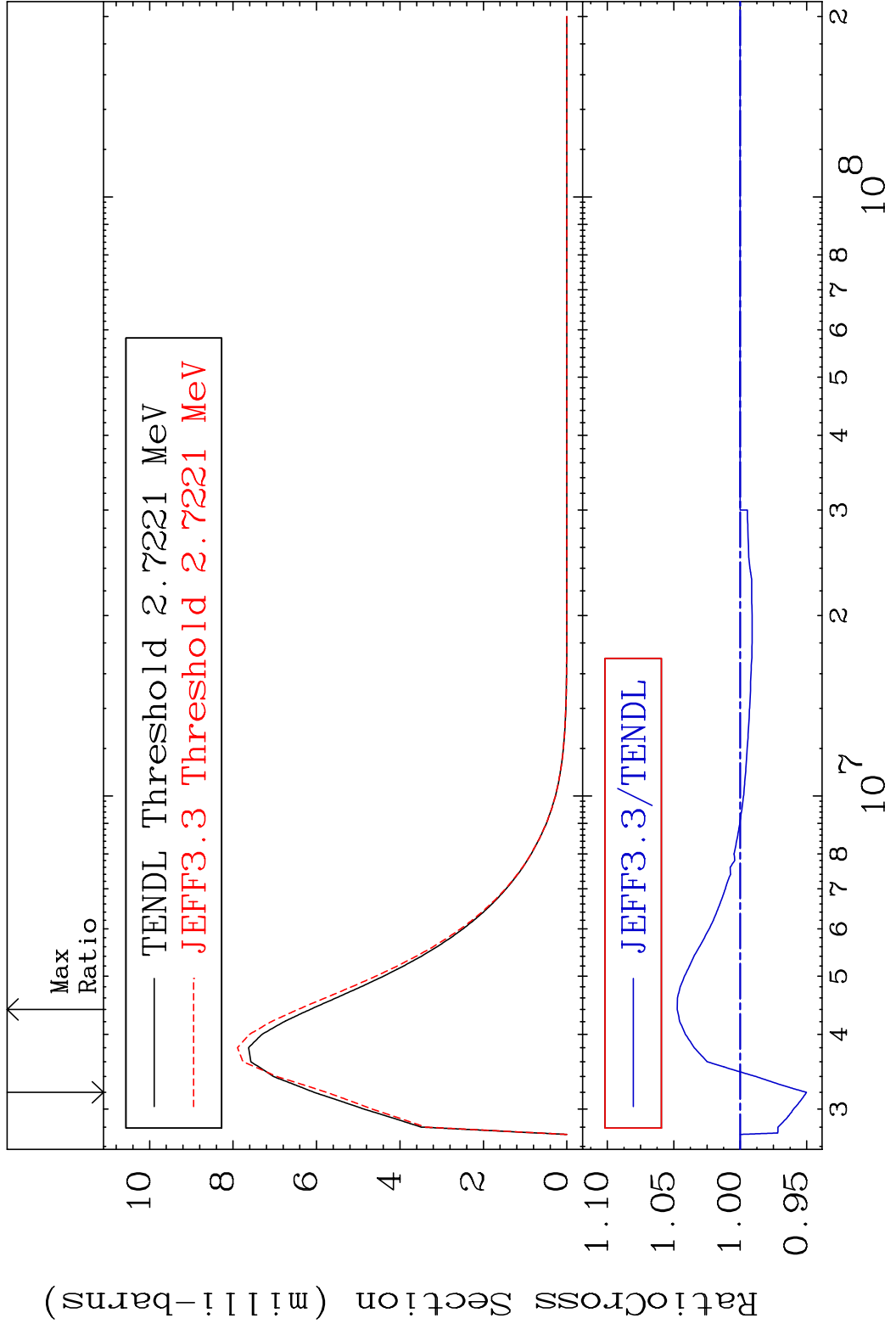


25 Incident Energy (eV) 25-Mn-53

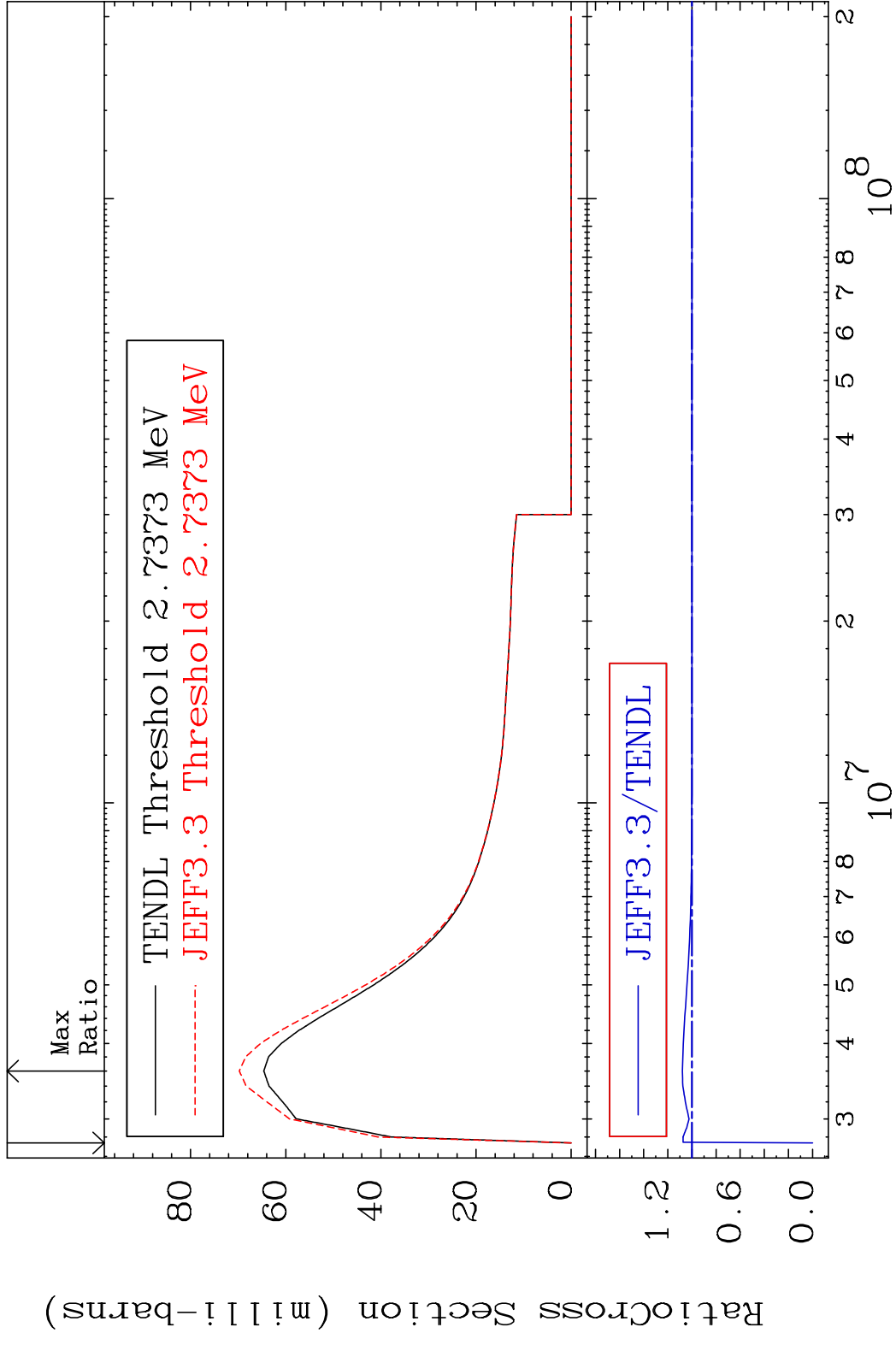
MAT 2519 MT= 59 (n, n') Level 25-Mn-53
 Cross Section -99.99 To 9.503 %



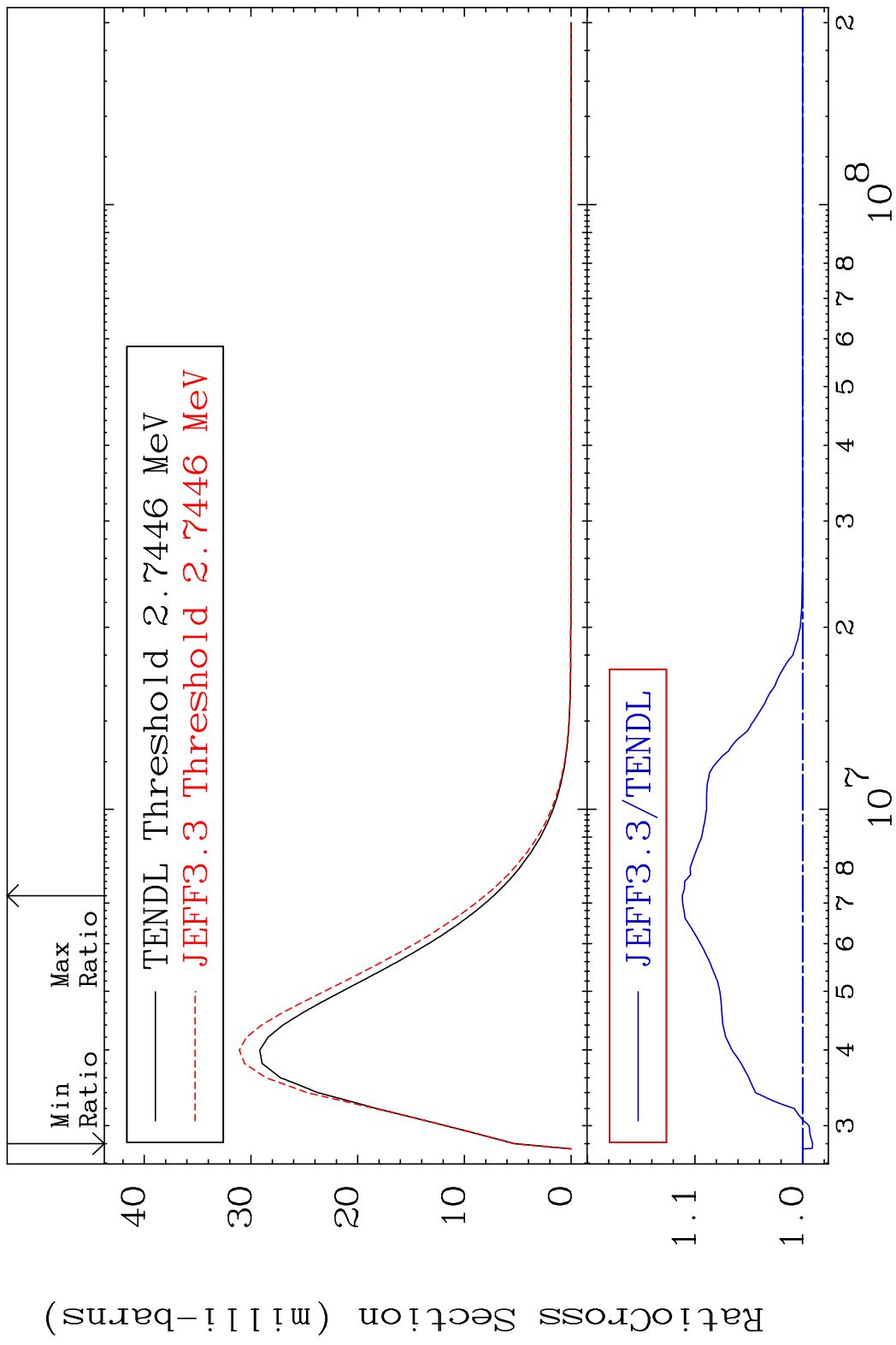
MAT 2519 MT= 60 (n, n') Level 25-Mn-53
 Cross Section -4.981 To 4.745 %



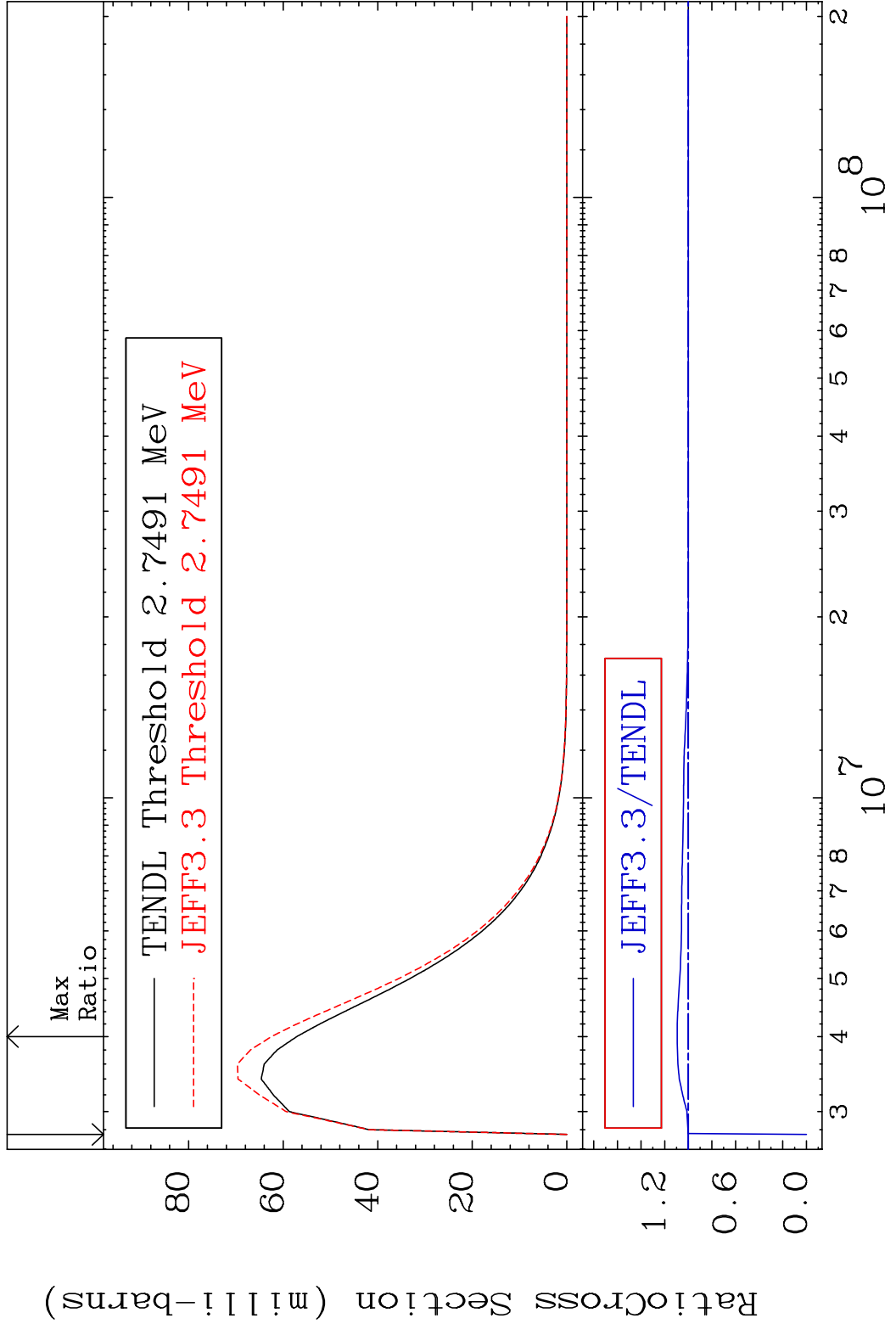
MAT 2519 MT= 61 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 7.958 %



MAT 2519 MT= 62 (n, n') Level 25-Mn-53
 Cross Section -0.923 To 11.17 %

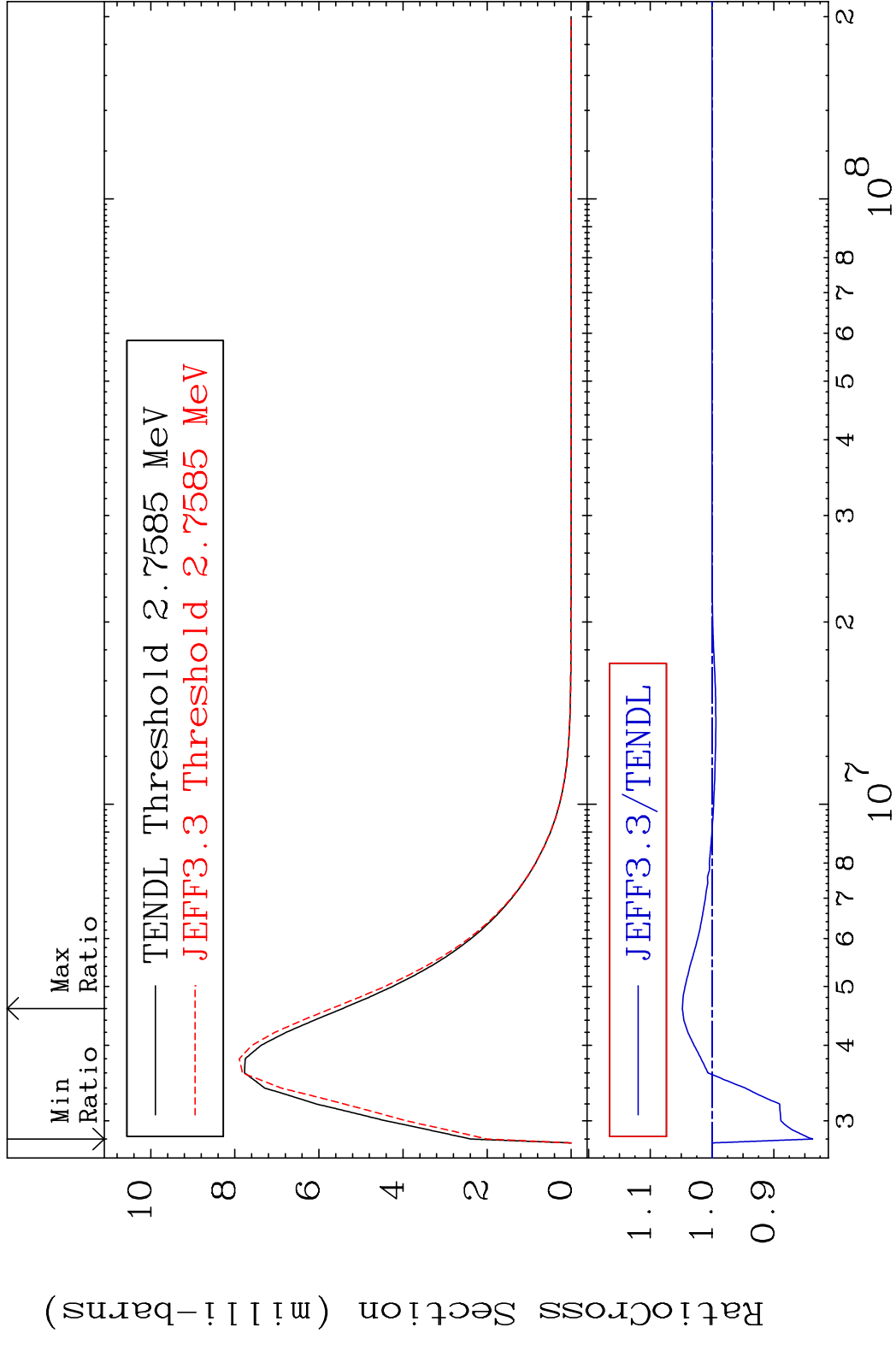


MAT 2519 MT= 63 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 9.399 %

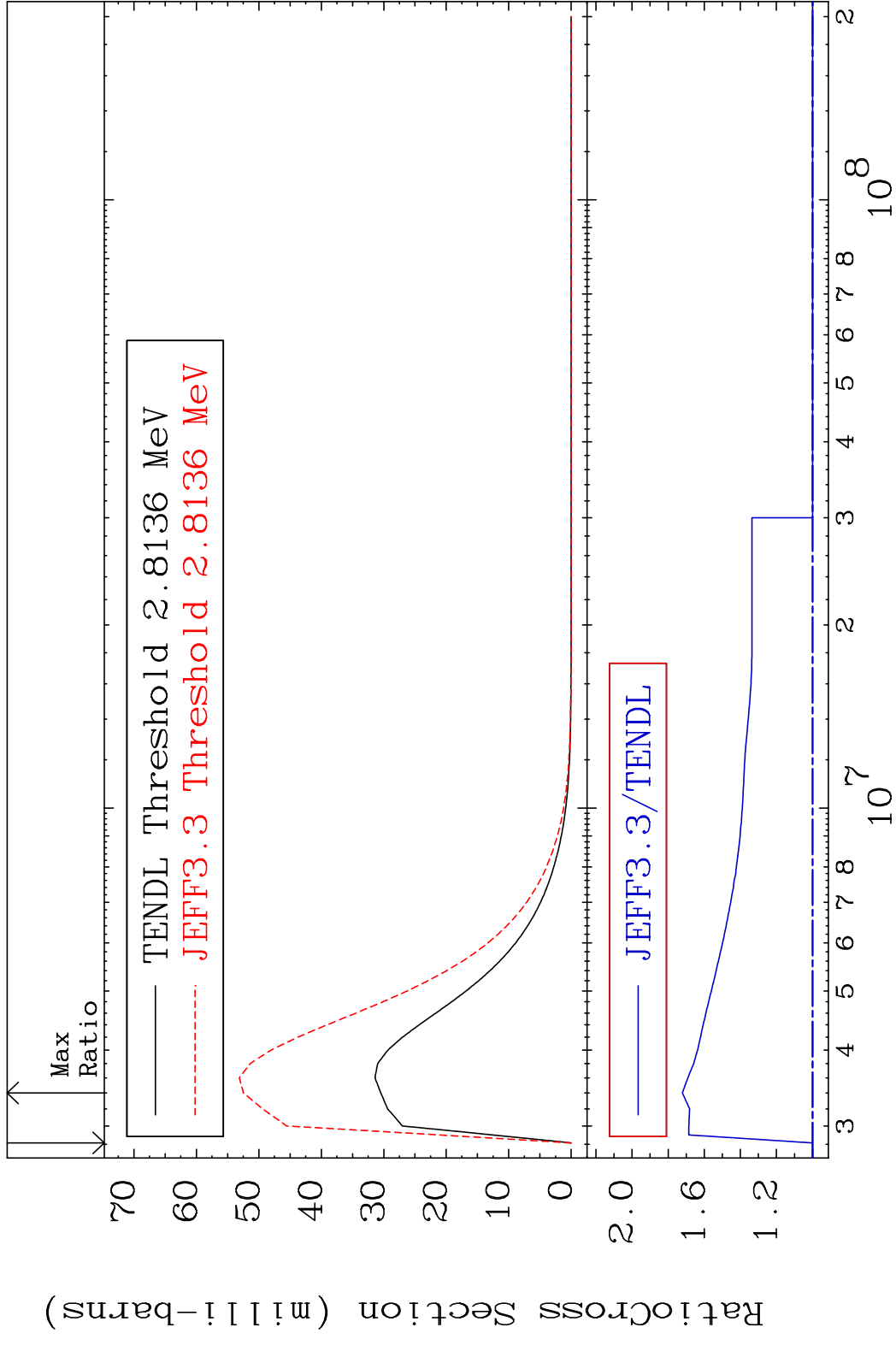


30 Incident Energy (eV) 25-Mn-53

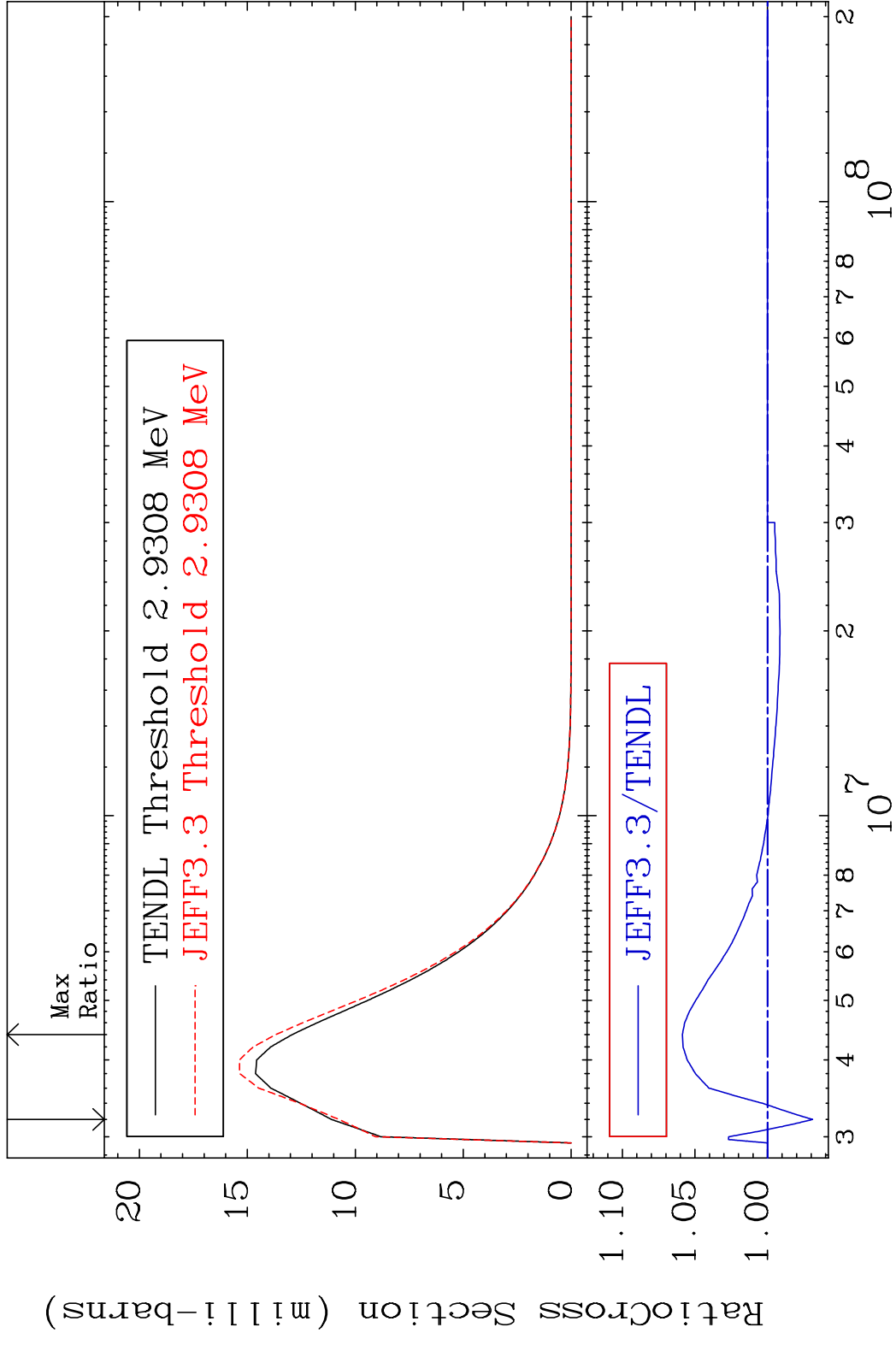
MAT 2519 MT= 64 (n, n') Level 25-Mn-53
 Cross Section -16.26 To 4.817 %



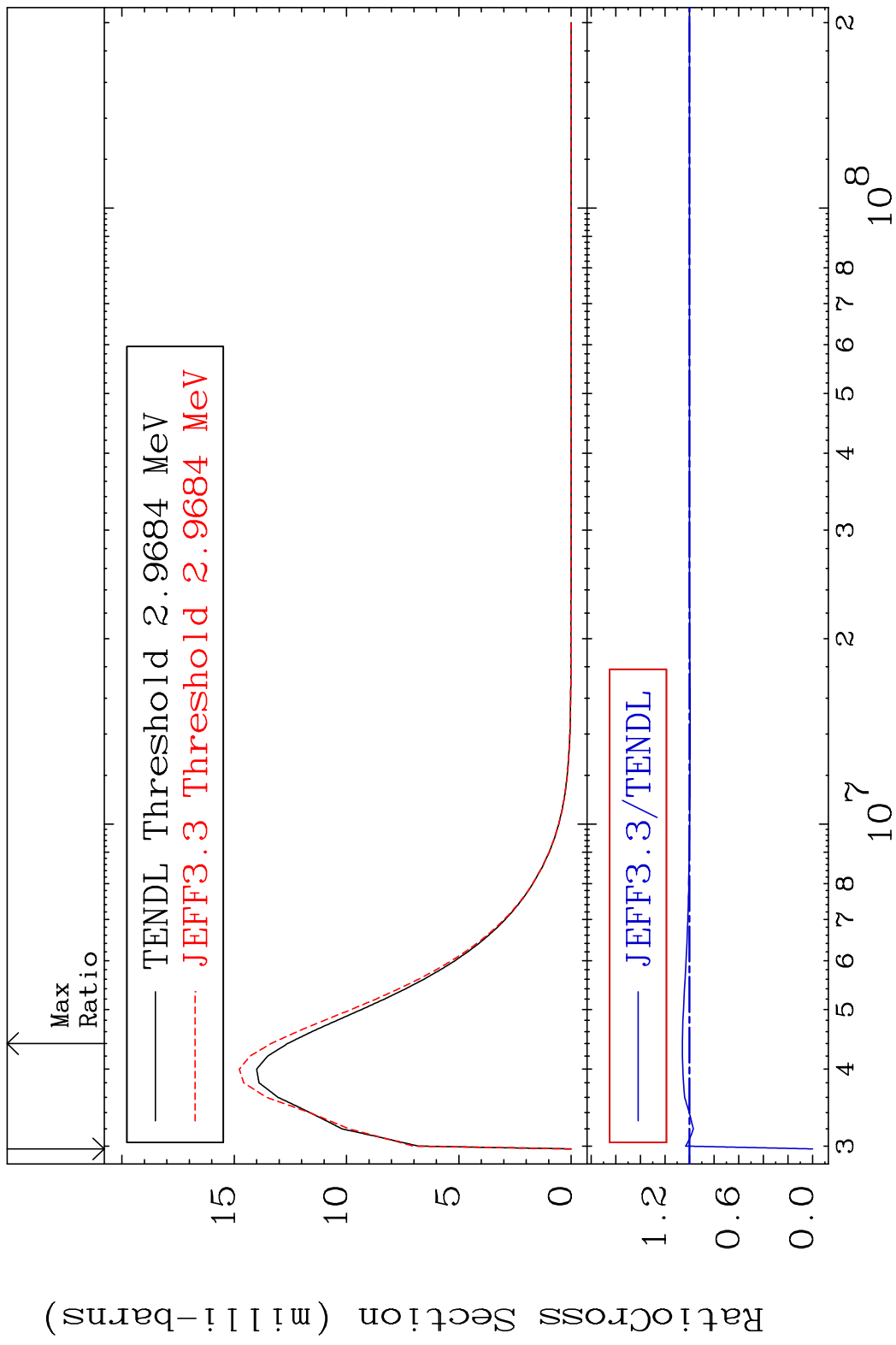
MAT 2519 MT= 65 (n, n') Level 25-Mn-53
 Cross Section 0.000 To 72.13 %



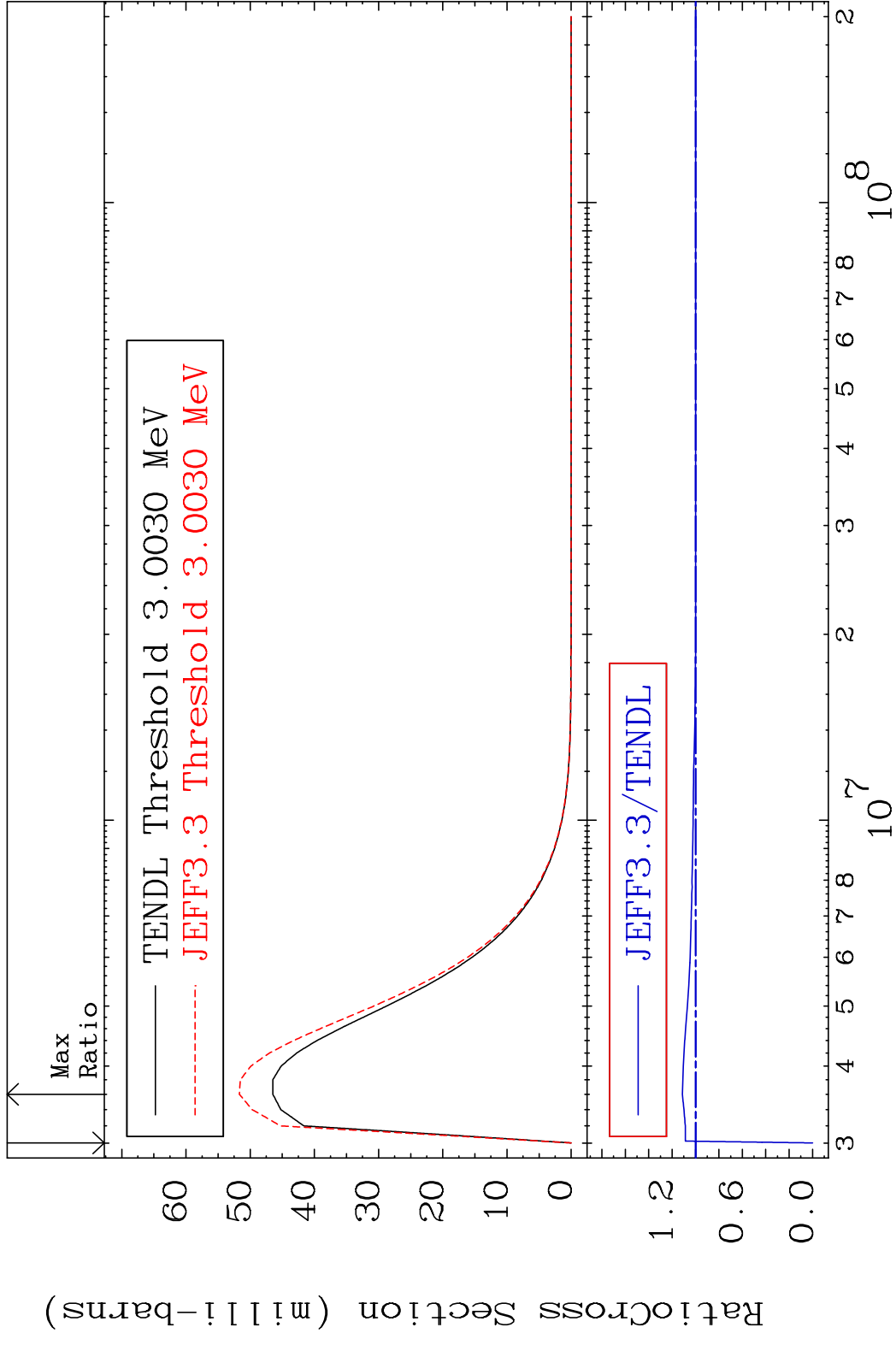
MAT 2519 MT= 66 (n, n') Level 25-Mn-53
 Cross Section -3.099 To 5.867 %



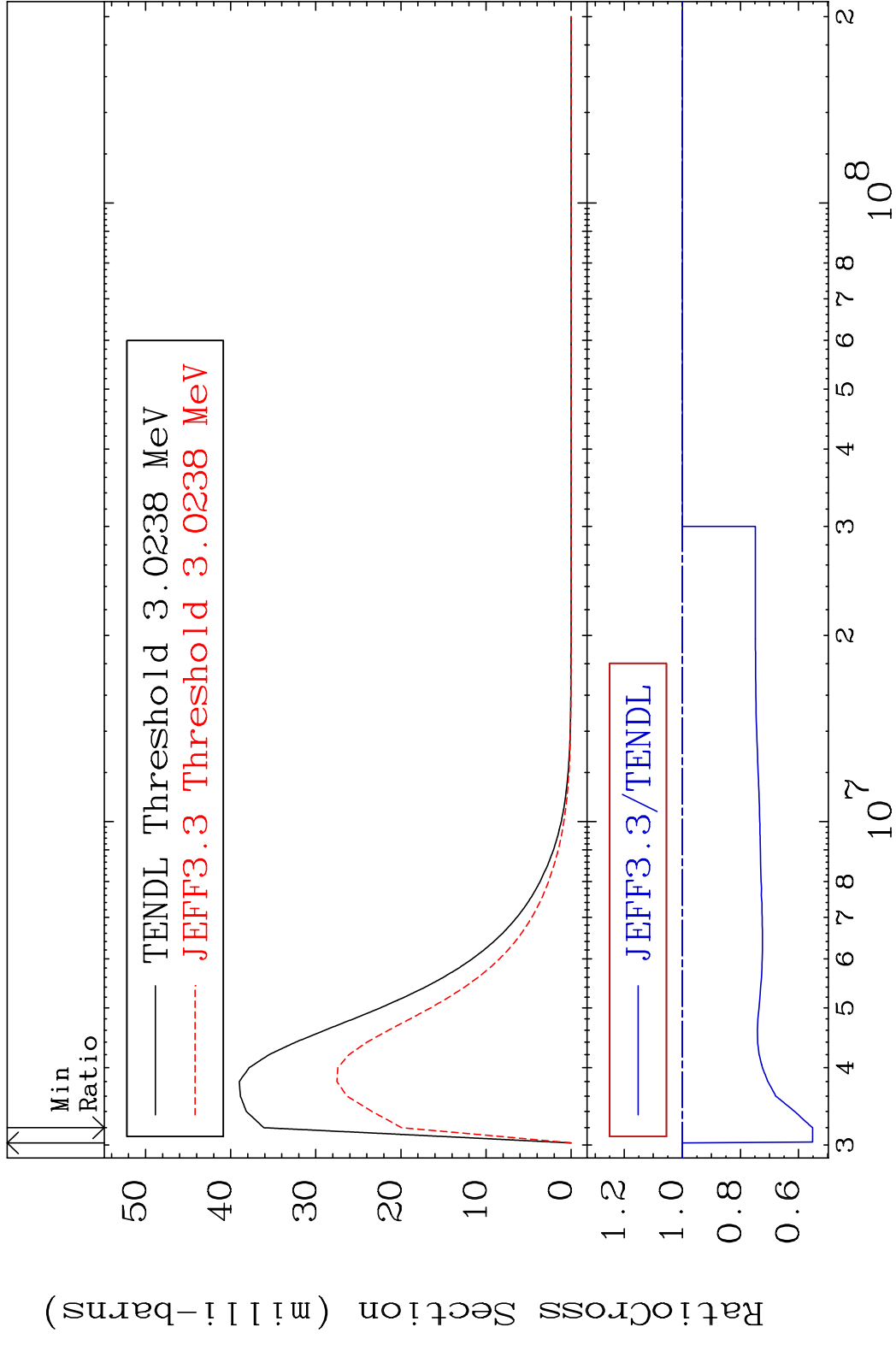
MAT 2519 MT= 67 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 5.847 %



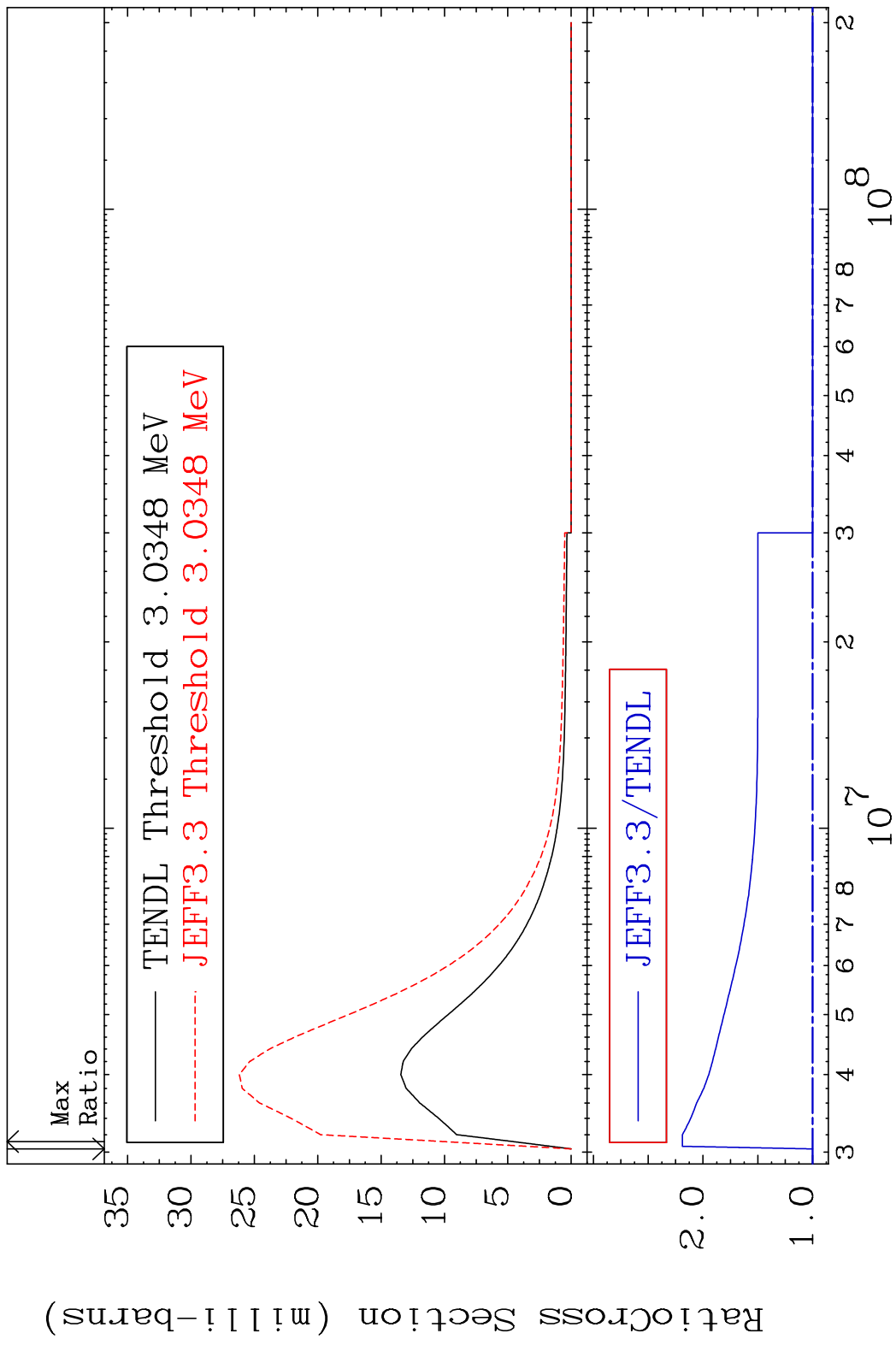
MAT 2519 MT= 68 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 11.24 %



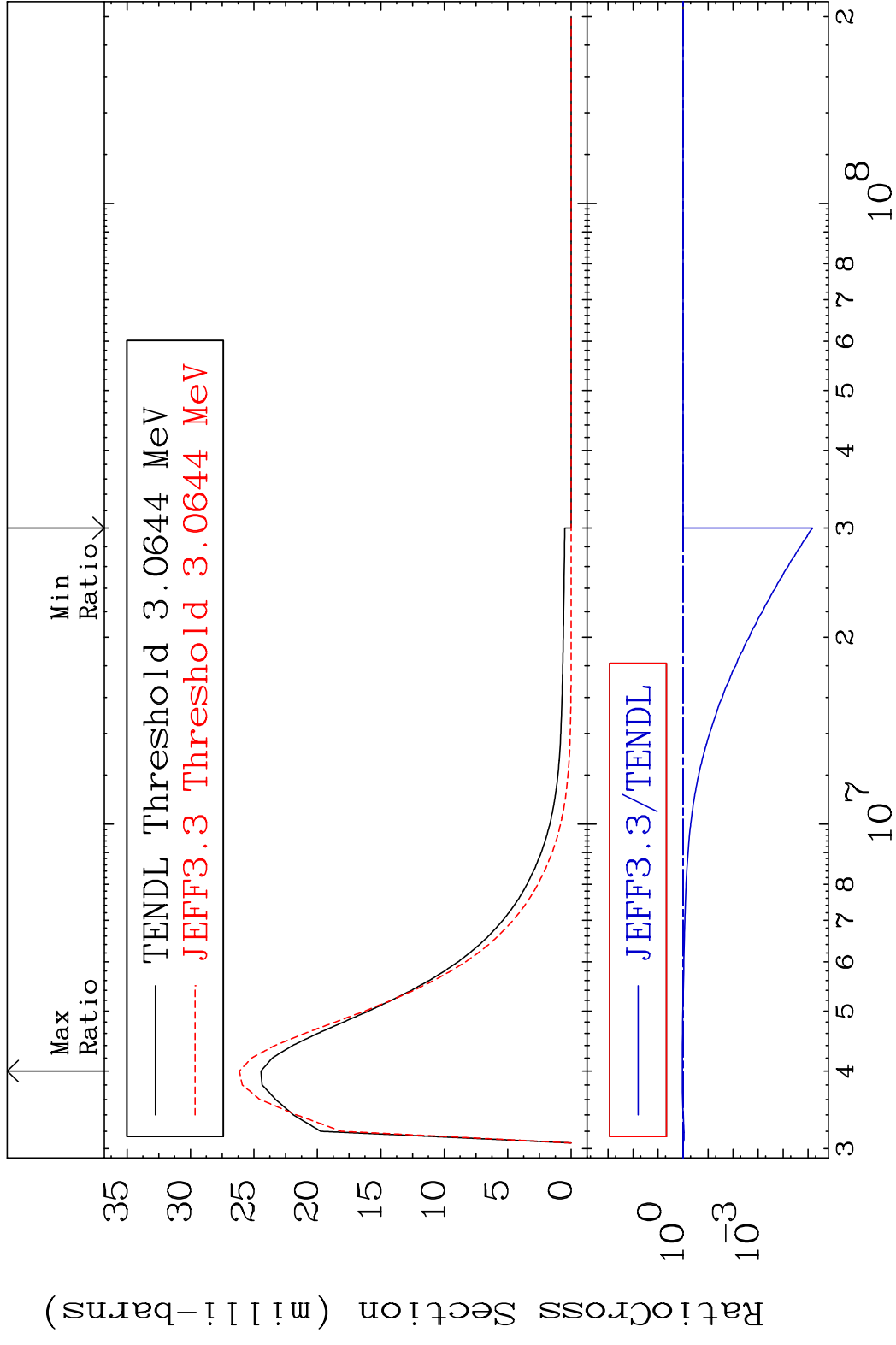
MAT 2519 MT= 69 (n, n') Level 25-Mn-53
 Cross Section -44.83 To 0.000 %



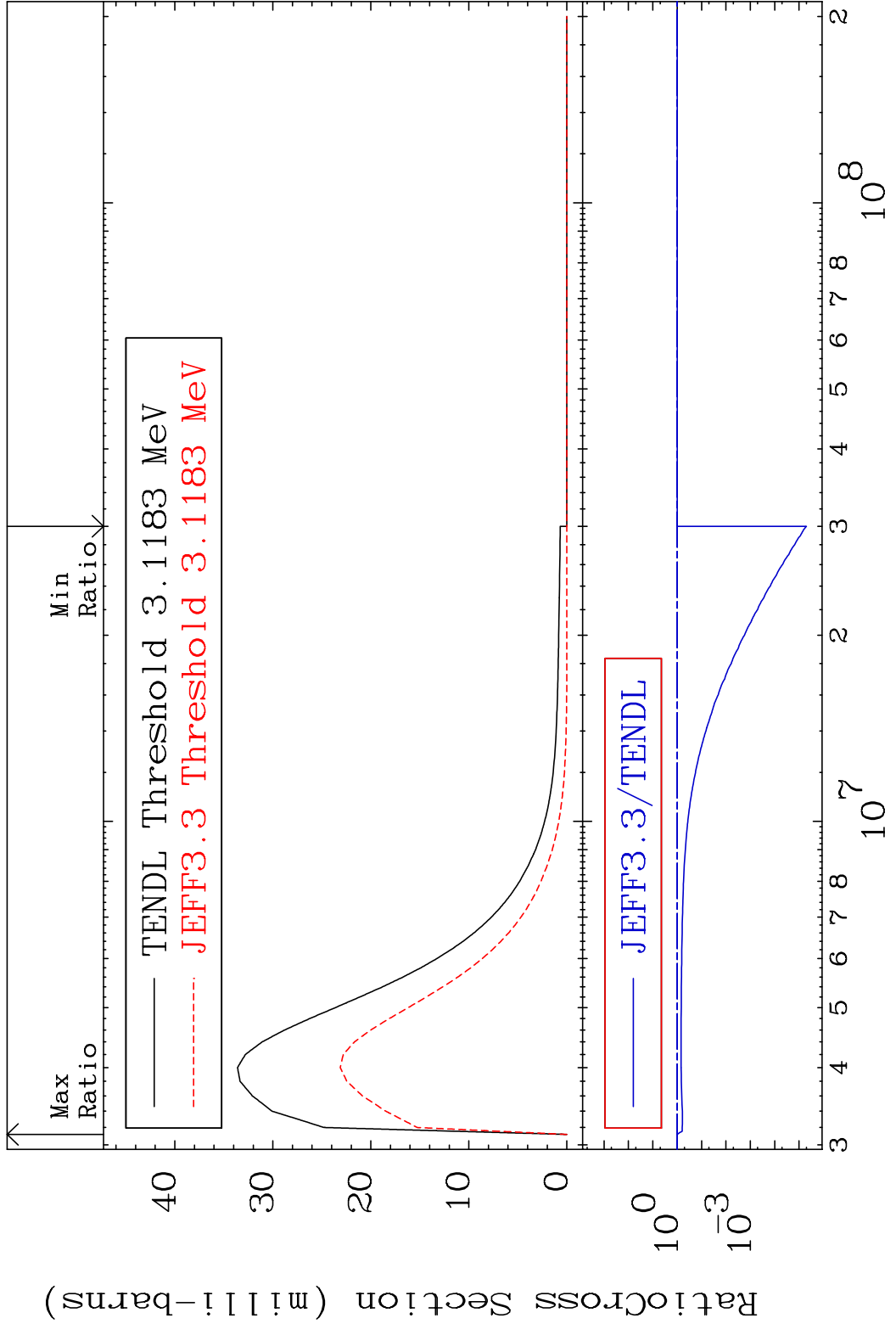
MAT 2519 MT= 70 (n,n') Level 25-Mn-53
 Cross Section 0.000 To 118.9 %



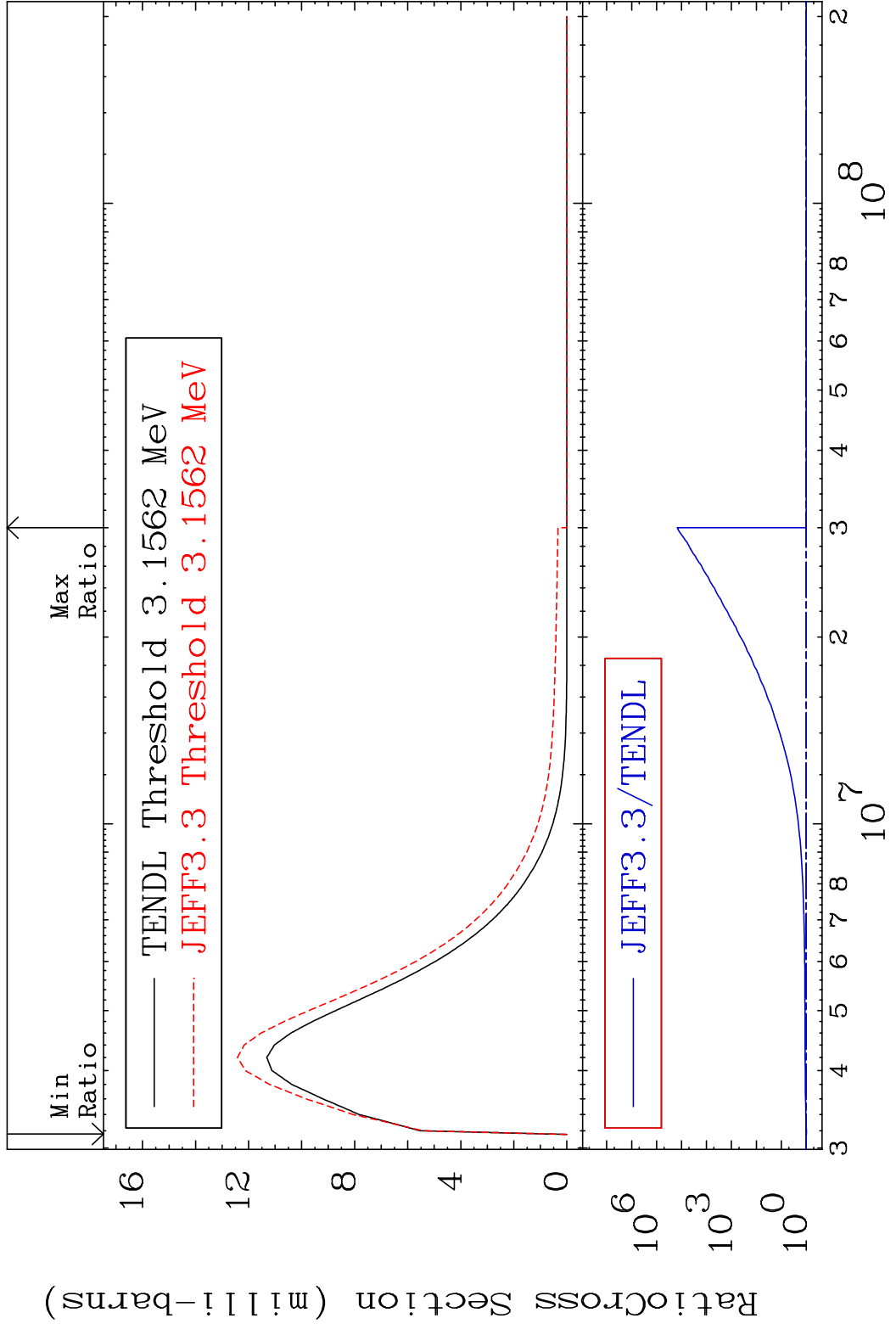
MAT 2519 MT= 71 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 6.975 %



MAT 2519 MT= 72 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 0.000 %

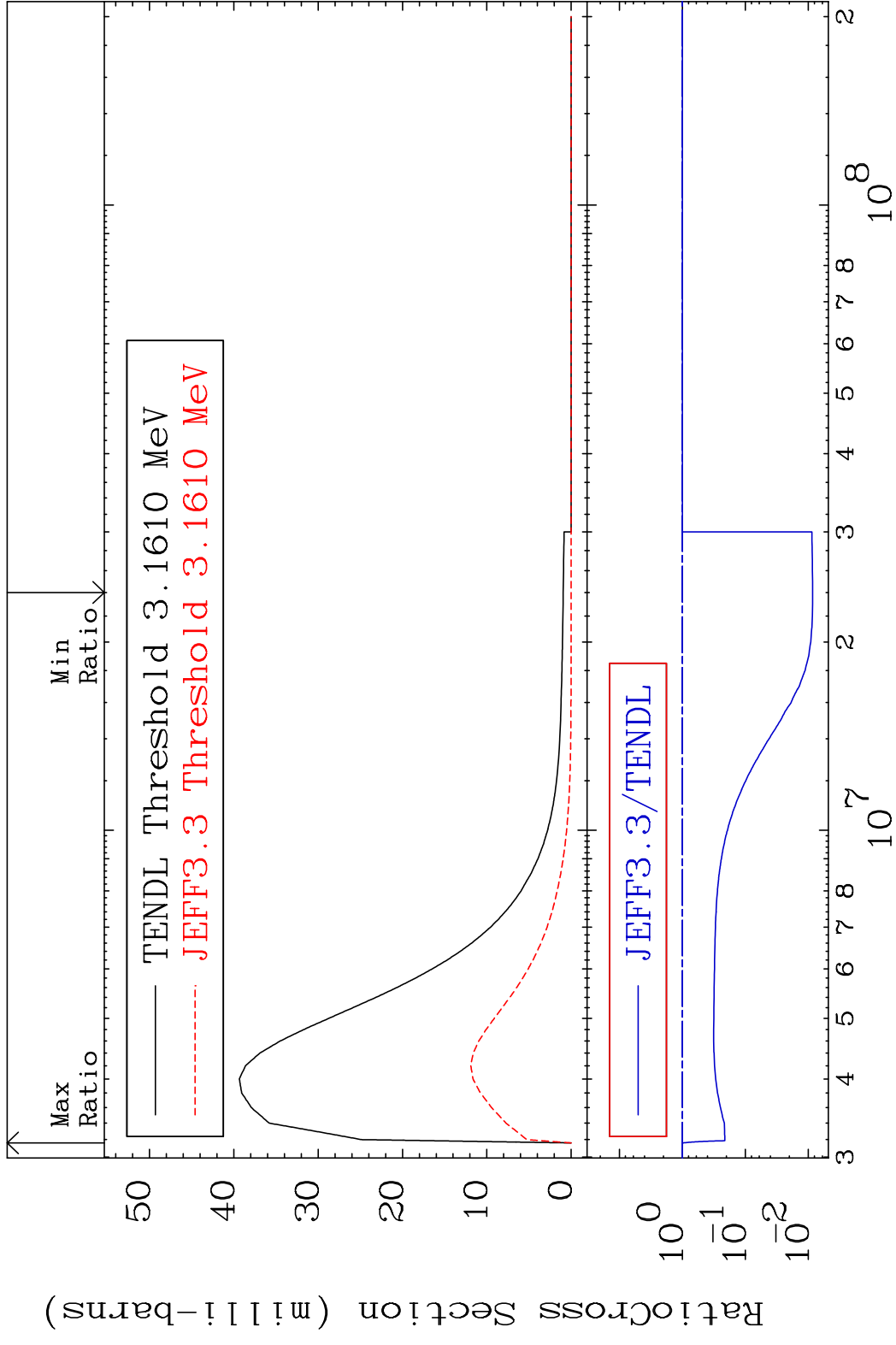


MAT 2519 MT= 73 (n, n') Level 25-Mn-53
 Cross Section -1.885 To 9999. %

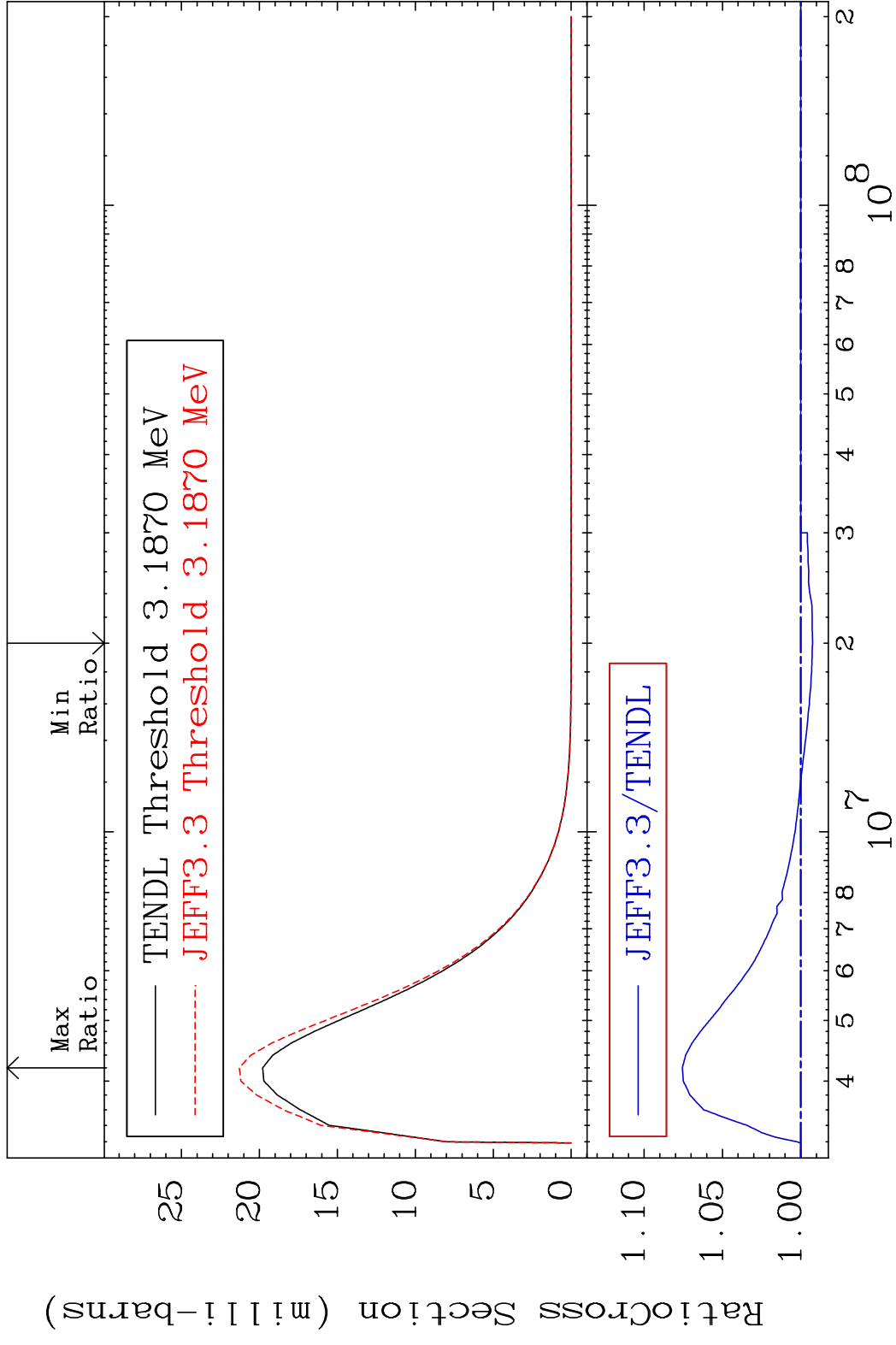


40 Incident Energy (eV) 25-Mn-53

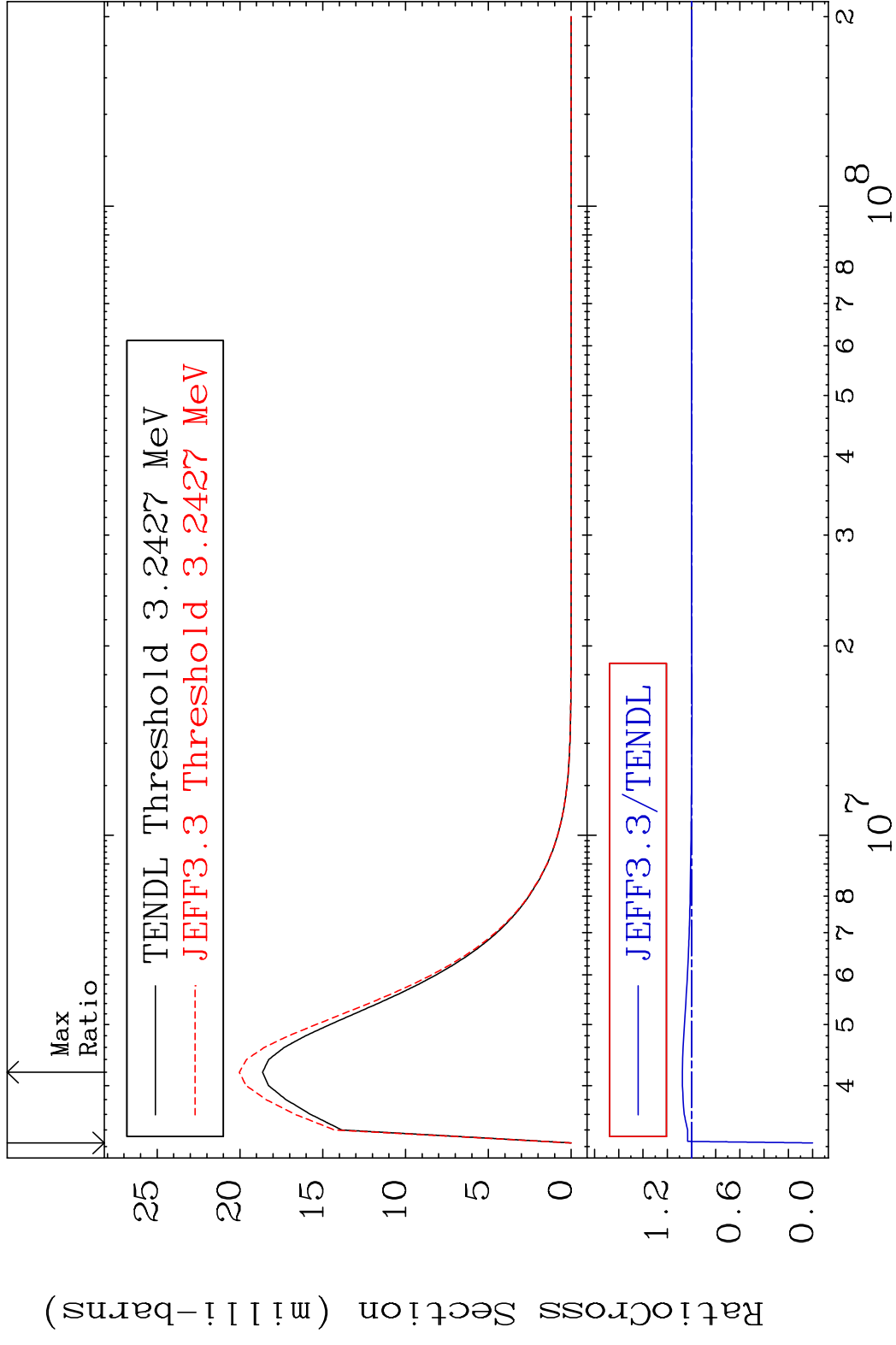
MAT 2519 MT= 74 (n, n') Level 25-Mn-53
 Cross Section -99.14 To 0.000 %



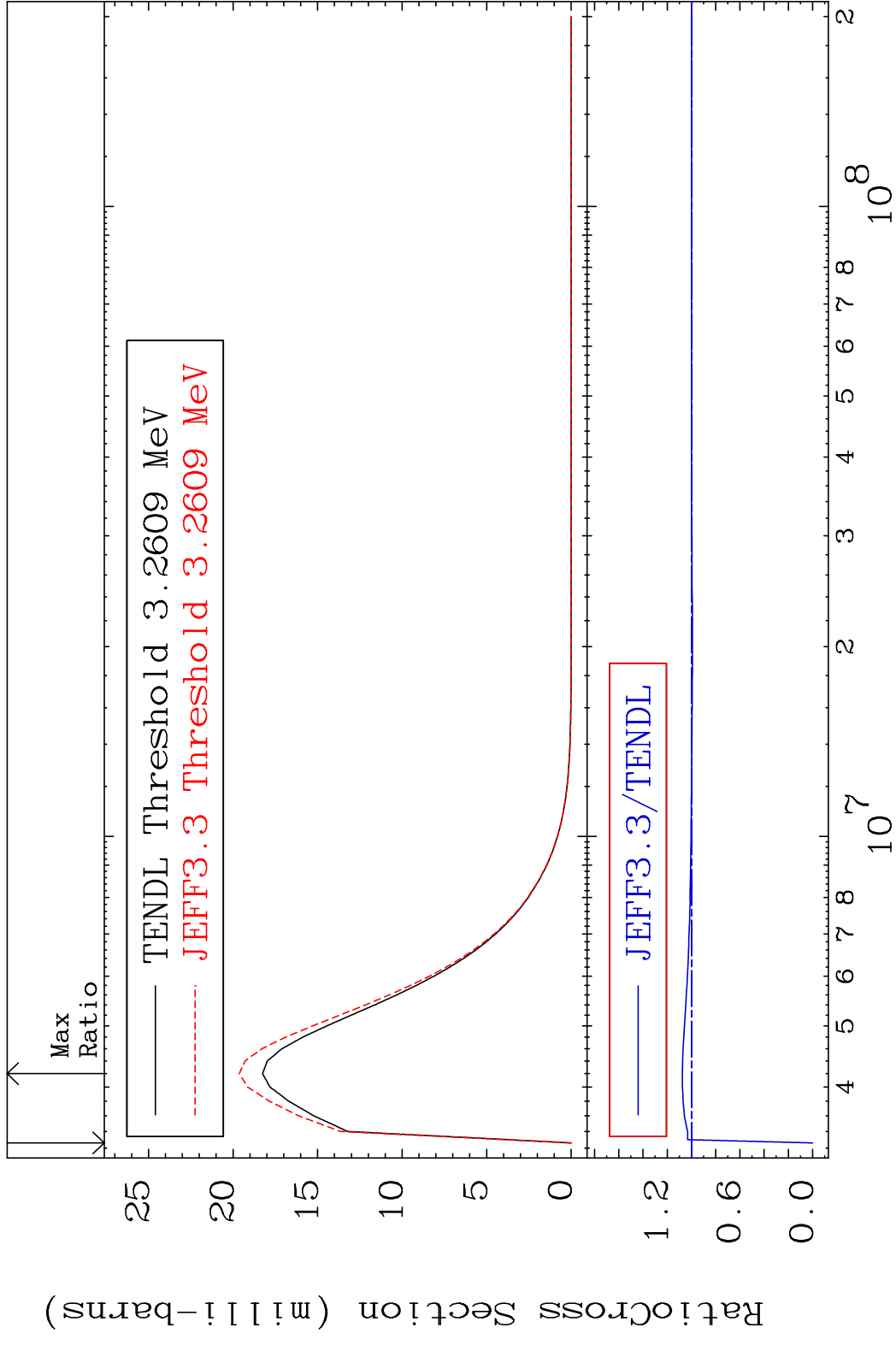
MAT 2519 MT= 75 (n,n') Level 25-Mn-53
 Cross Section -0.753 To 7.562 %



MAT 2519 MT= 76 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 7.531 %



MAT 2519 MT= 77 (n, n') Level 25-Mn-53
 Cross Section -100.0 To 7.520 %

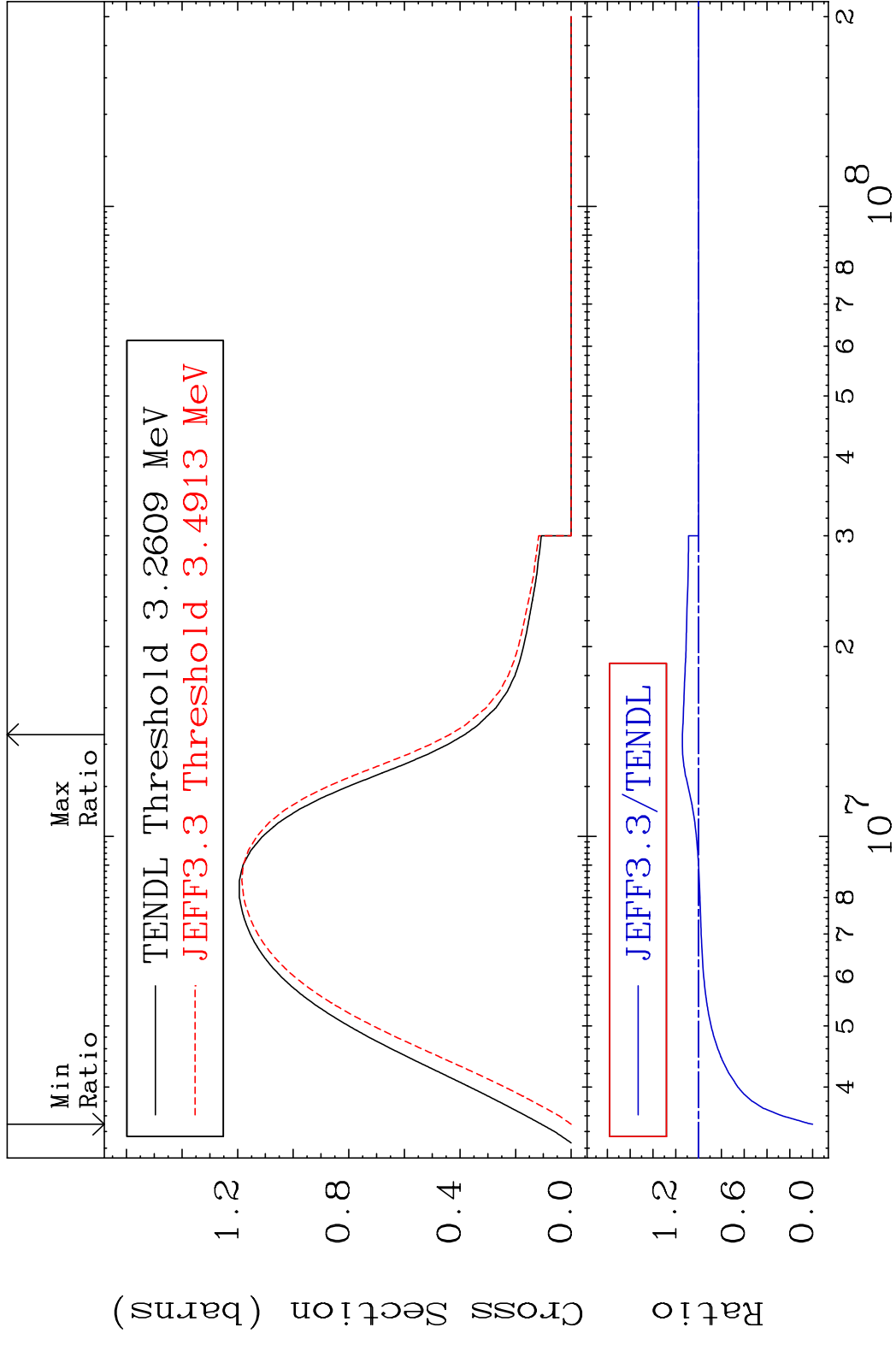


MAT 2519

(n,n') Continuum

25-Mn-53

Cross Section -100.0 To 14.16 %



45

Incident Energy (eV)

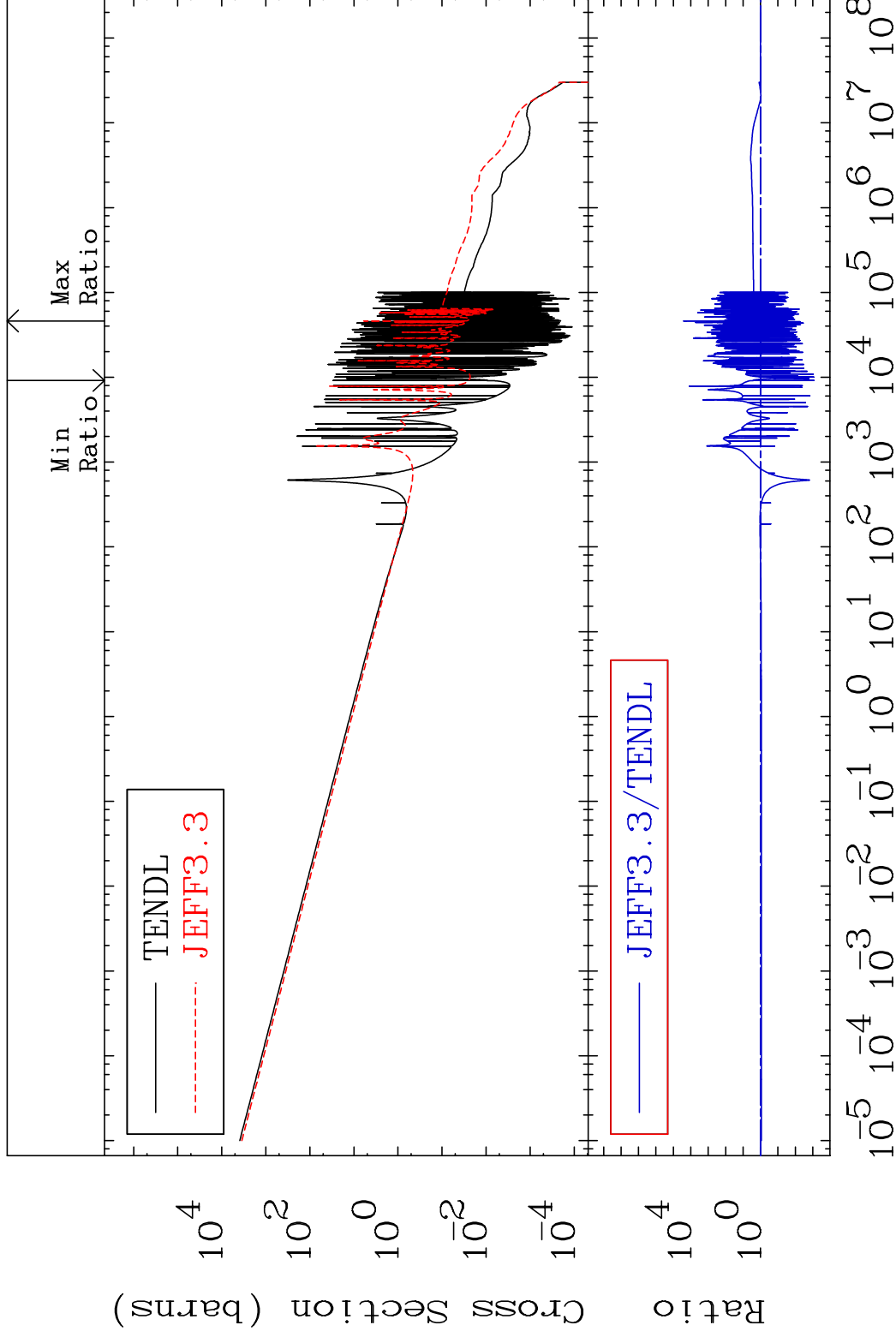
25-Mn-53

MAT 2519

(n, γ)

25-Mn-53

Cross Section -99.92 To 9999. %



46

Incident Energy (eV)

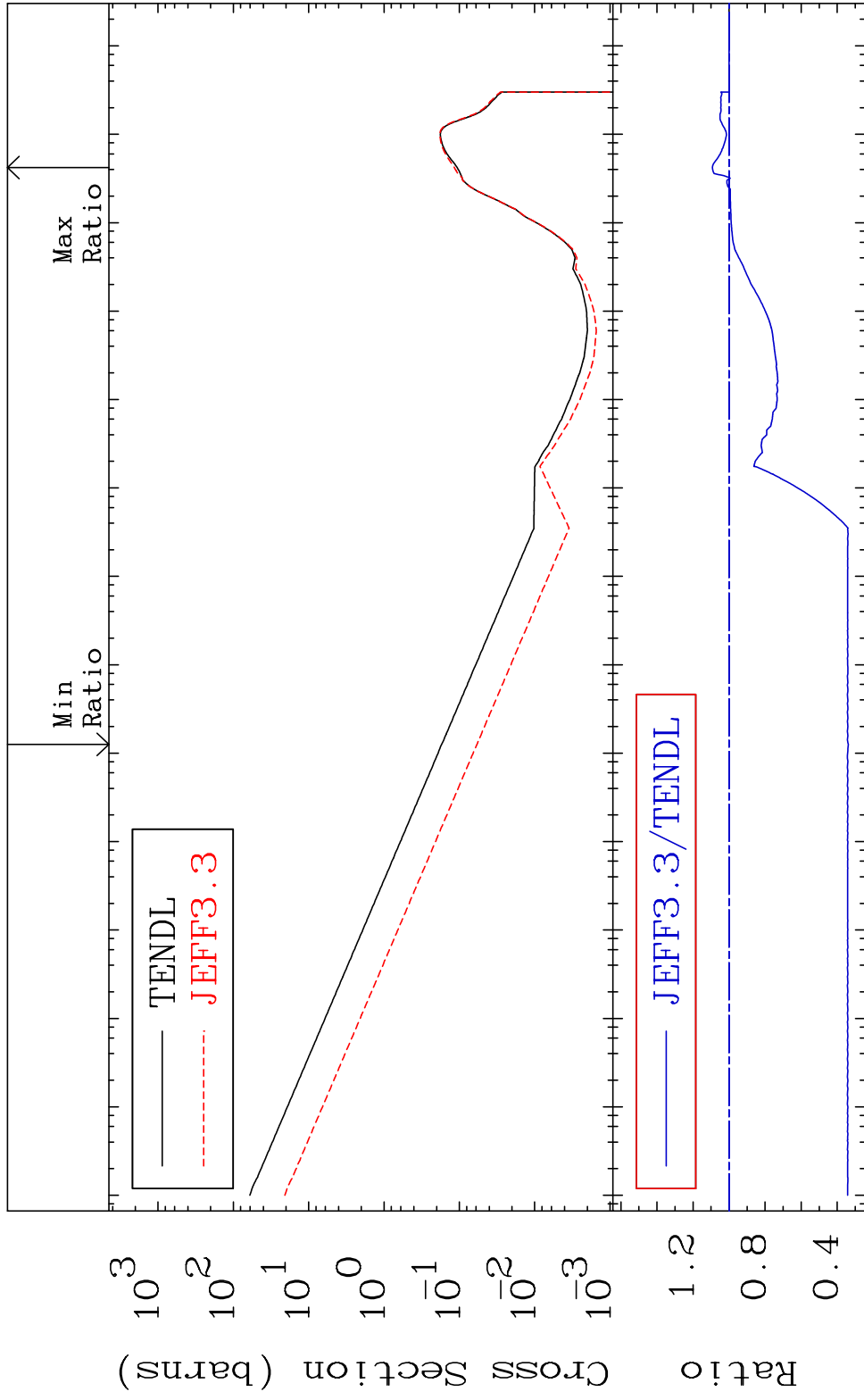
25-Mn-53

MAT 2519

(n, p)

25-Mn-53

Cross Section -66.13 To 9.273 %

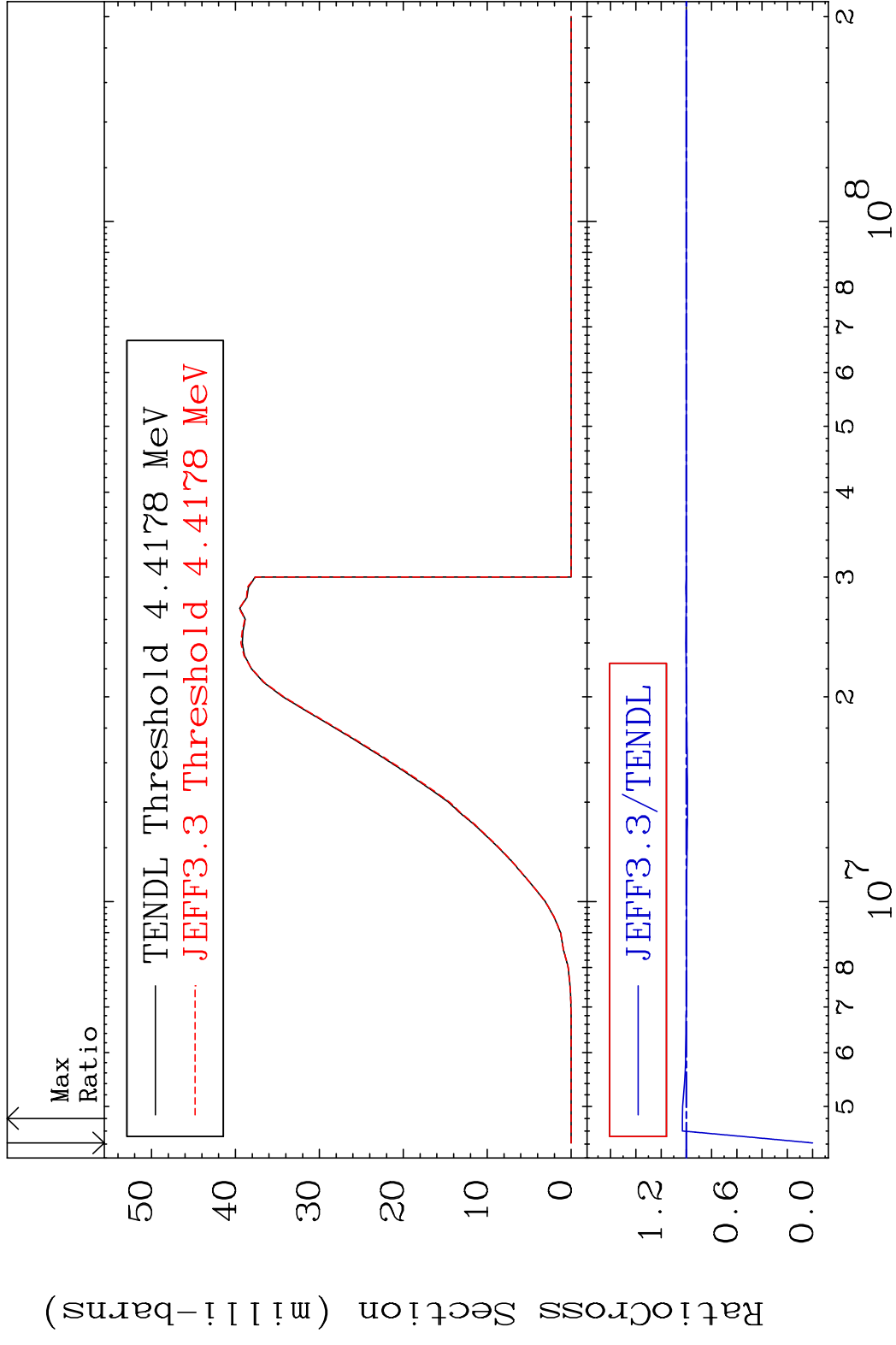


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Incident Energy (eV)

25-Mn-53

MAT 2519 (n,d) 25-Mn-53
 Cross Section -100.0 To 3.142 %

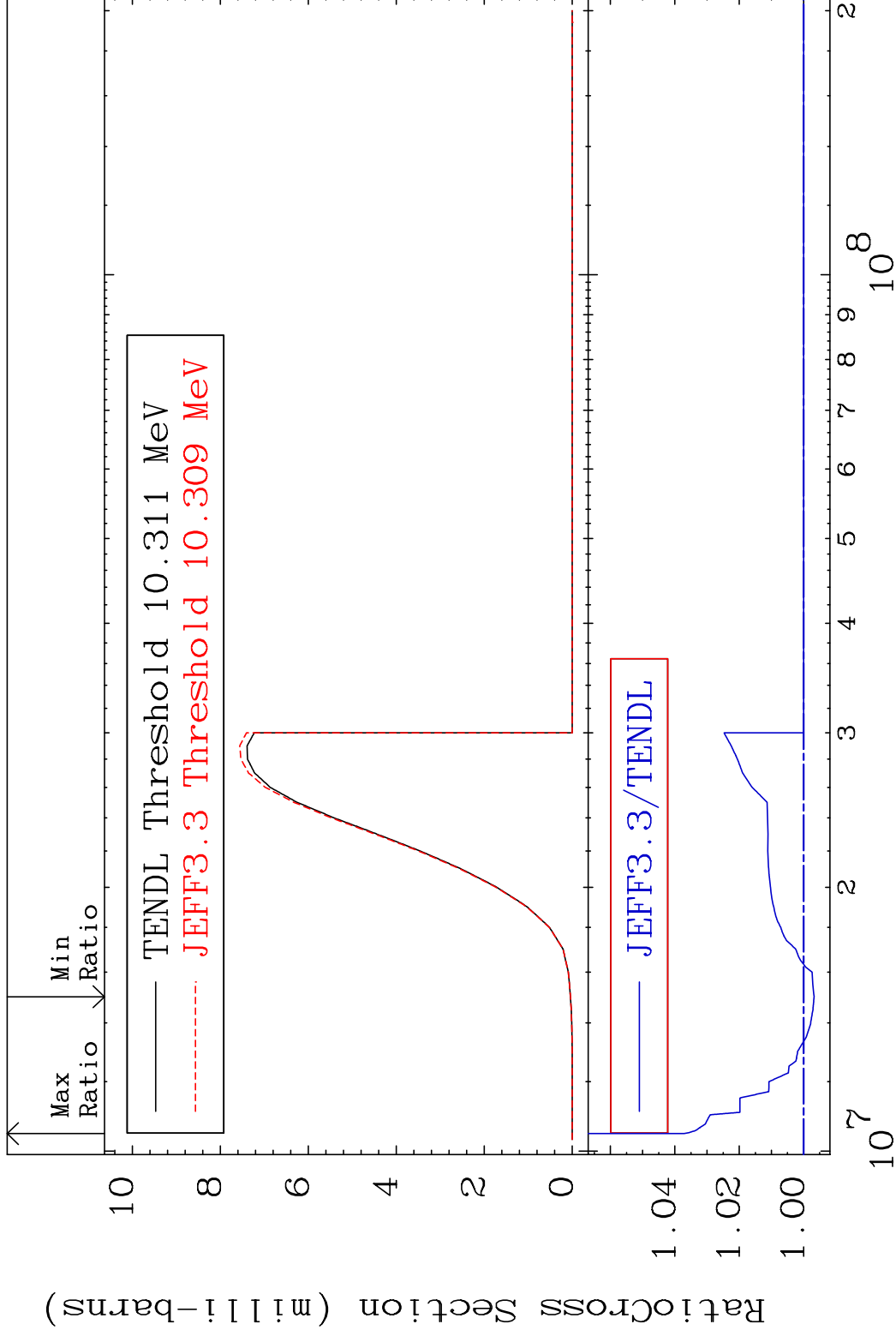


MAT 2519

(n, t)

25-Mn-53

Cross Section -0.325 To 3.725 %

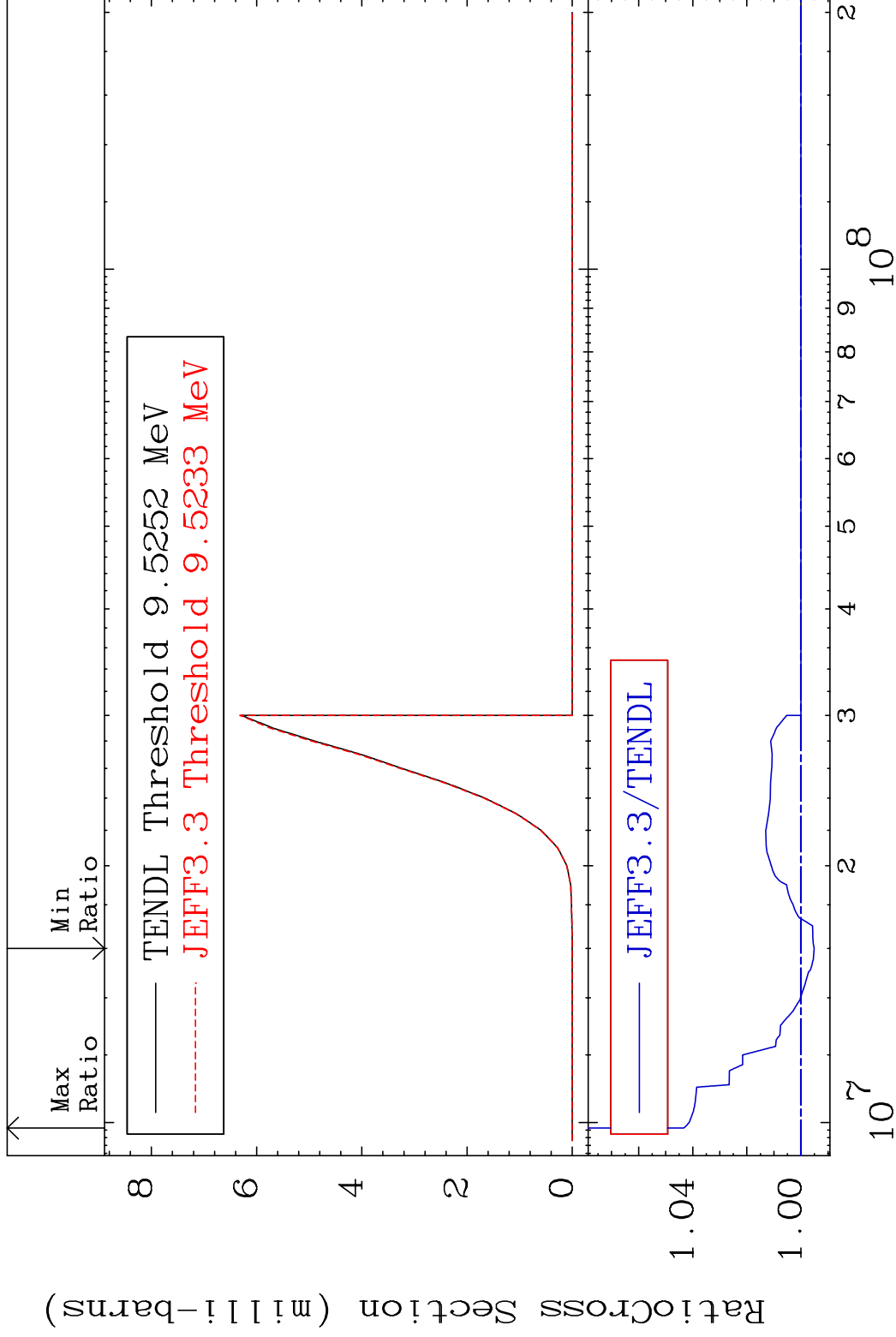


MAT 2519

(n, He-3)

25-Mn-53

Cross Section -0.487 To 4.336 %



50

Incident Energy (eV)

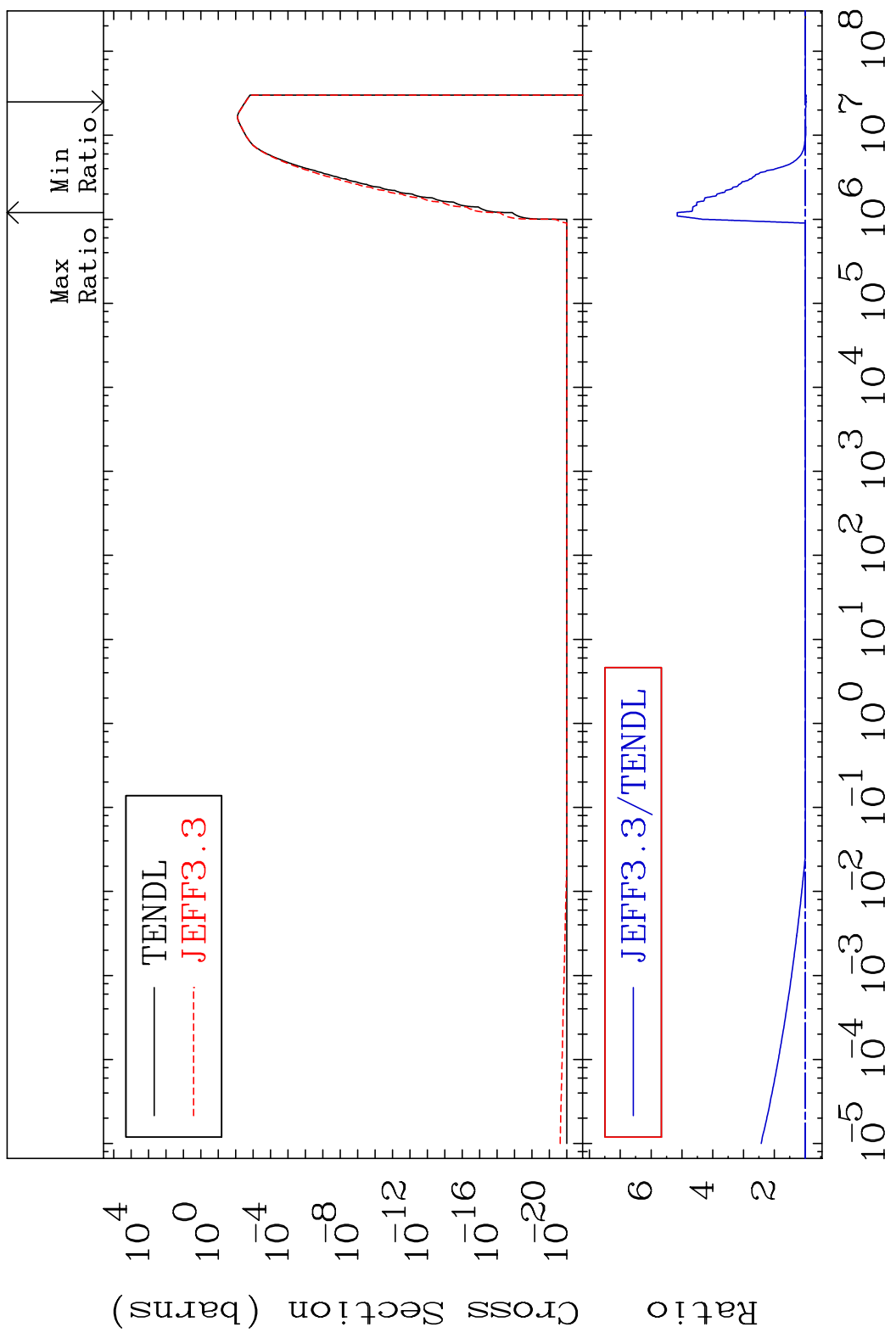
25-Mn-53

MAT 2519

(n, α)

25-Mn-53

Cross Section -3.866 To 415.4 %



51

Incident Energy (eV)

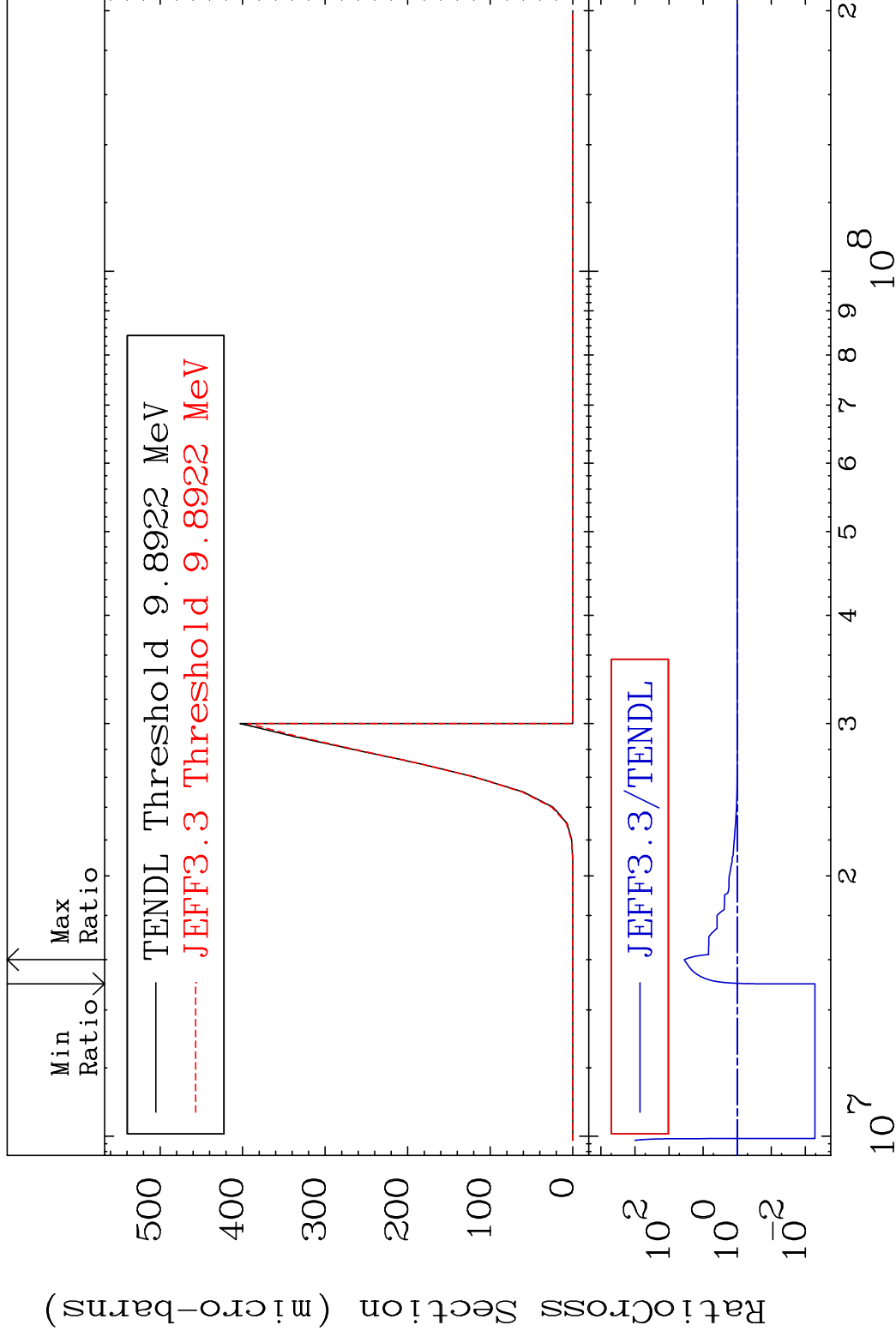
25-Mn-53

MAT 2519

(n,2α)

25-Mn-53

Cross Section -99.47 To 3473. %



52

Incident Energy (eV)

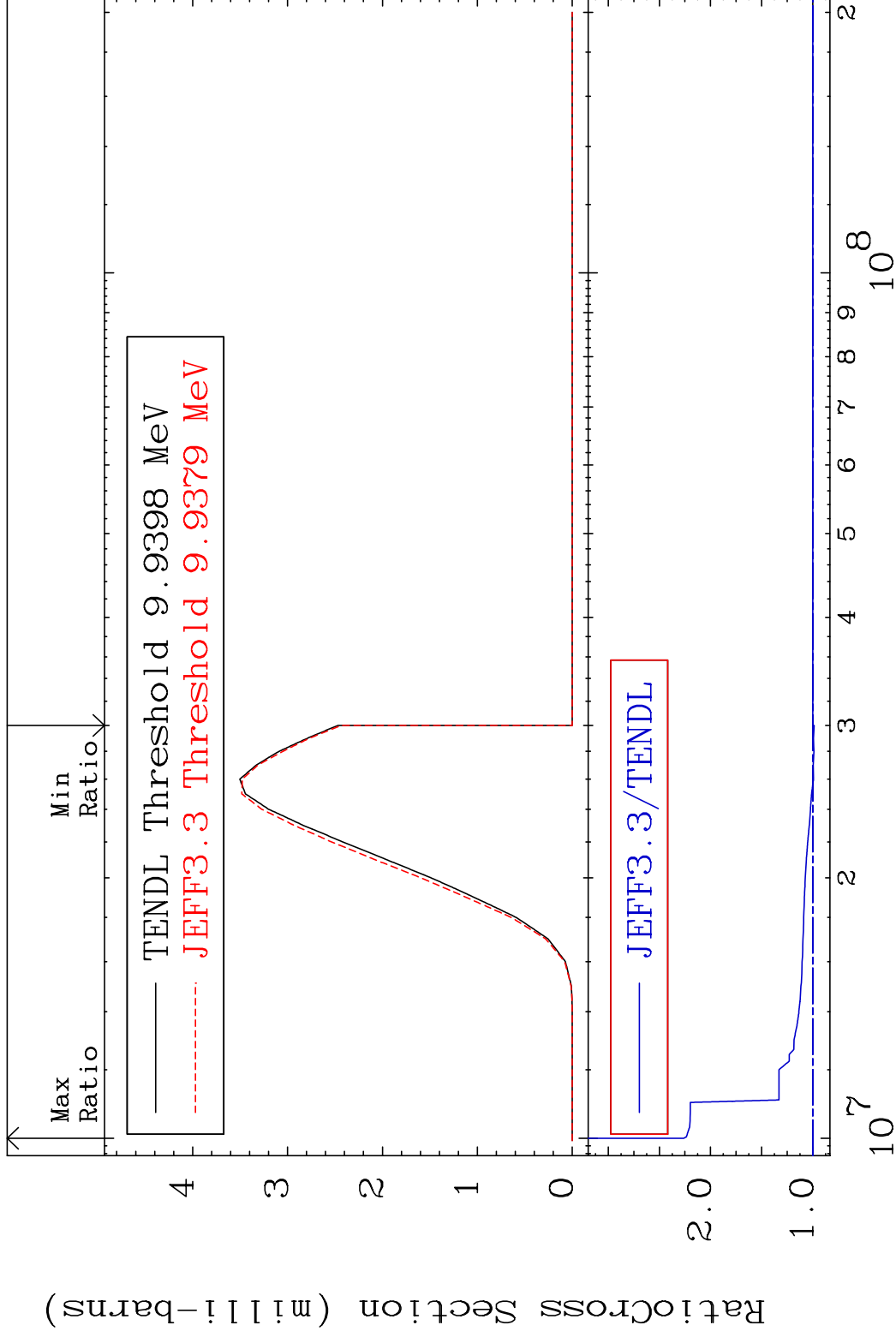
25-Mn-53

MAT 2519

(n,2p)

25-Mn-53

Cross Section -1.364 To 126.3 %

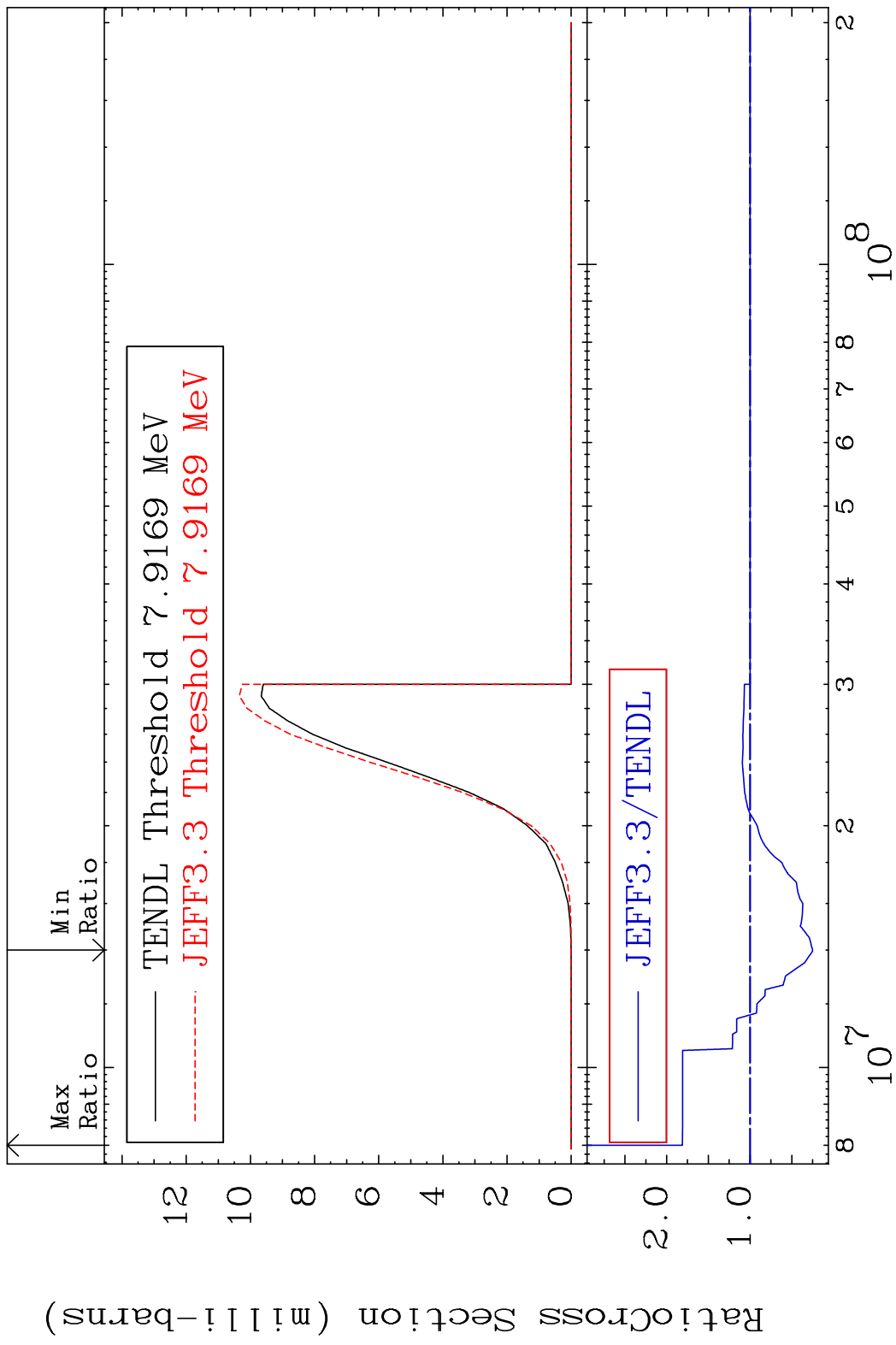


53

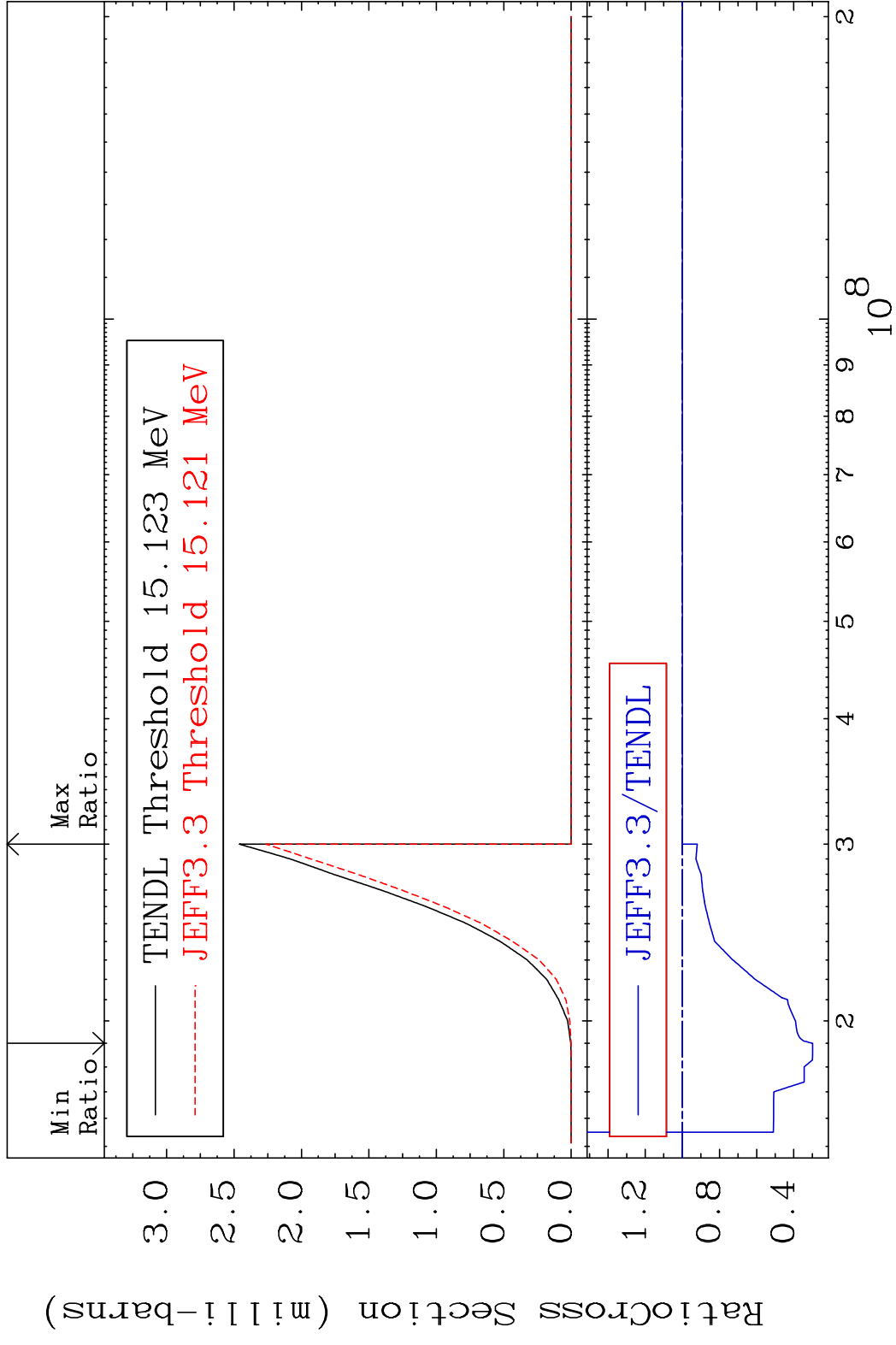
Incident Energy (eV)

25-Mn-53

MAT 2519 (n,p) α 25-Mn-53
 Cross Section -74.87 To 81.18 %



MAT 2519 (n,p) d 25-Mn-53
 Cross Section -70.11 To 0.000 %

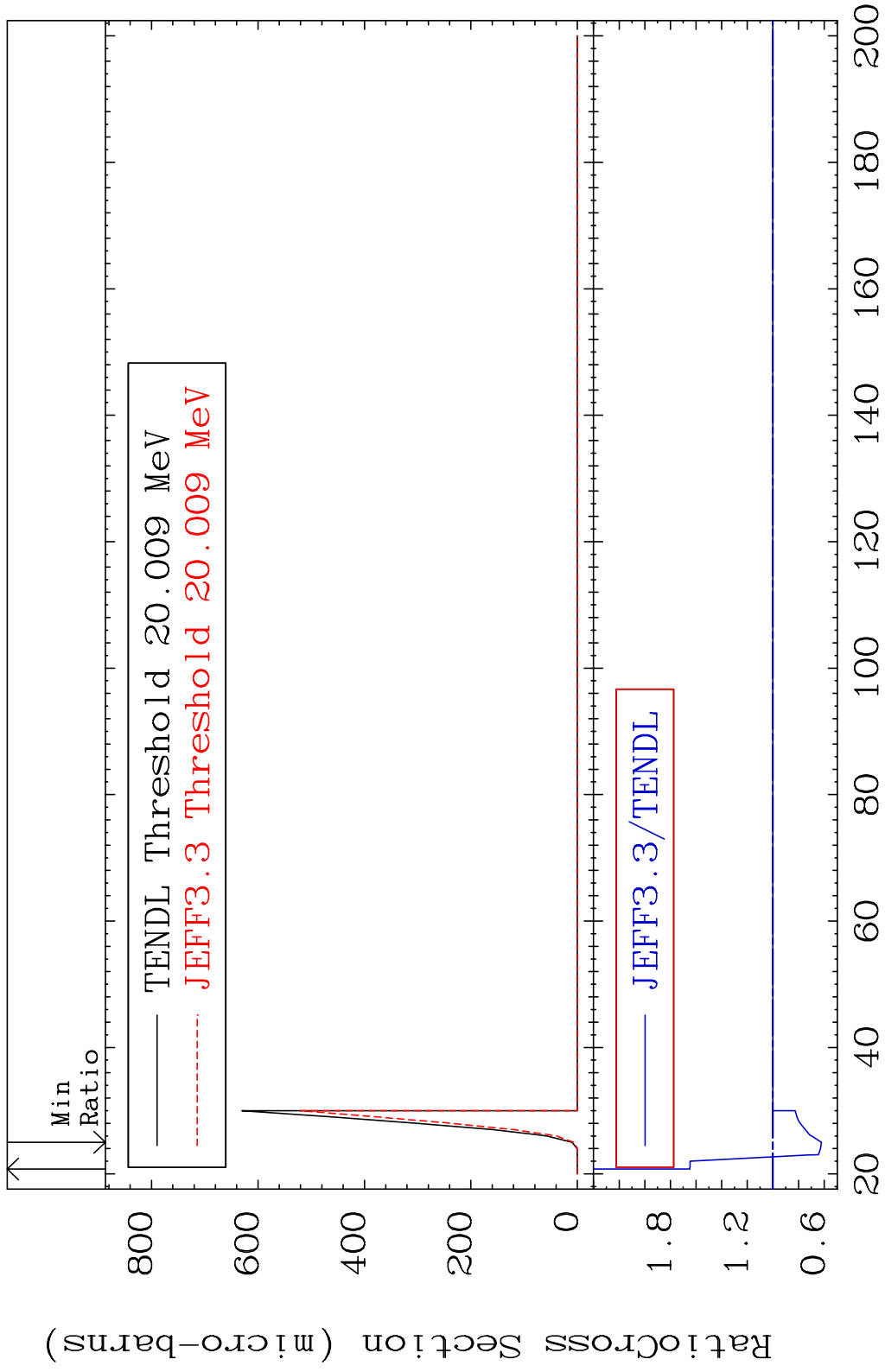


MAT 2519

(n,p) t

25-Mn-53

Cross Section -37.85 To 64.89 %

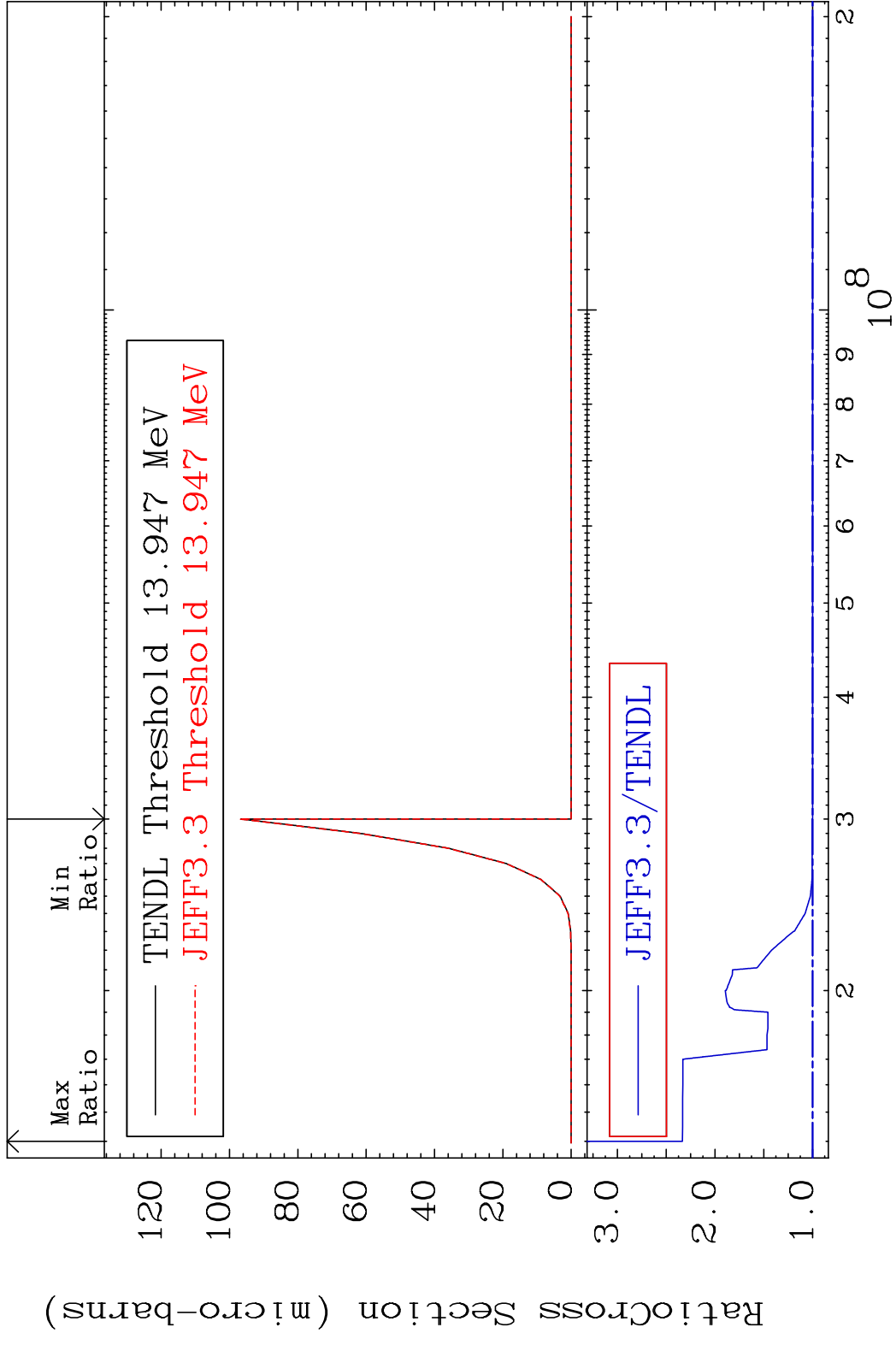


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Incident Energy (MeV)

25-Mn-53

MAT 2519 (n,d) α 25-Mn-53
 Cross Section 0.000 To 133.5 %

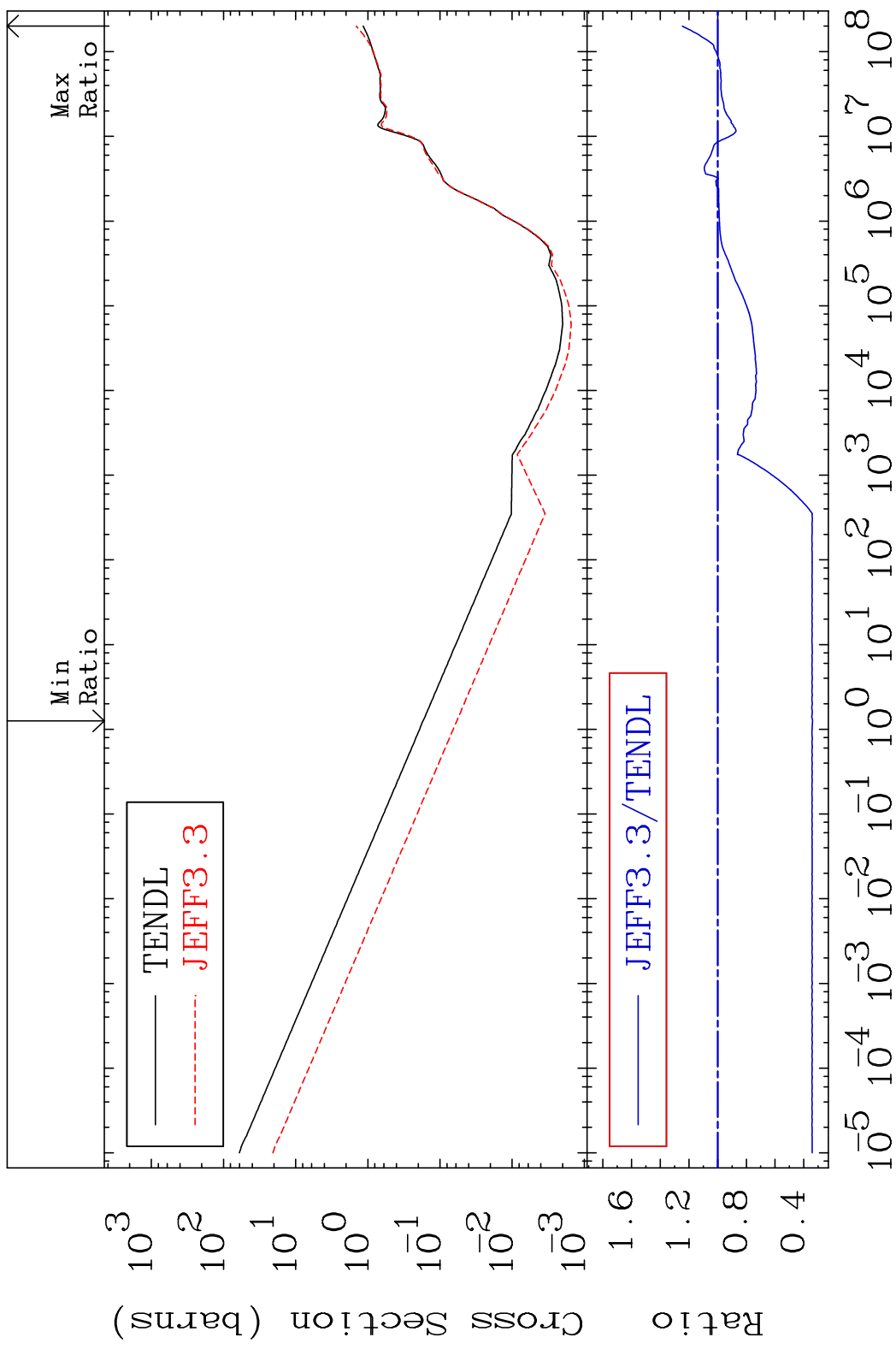


MAT 2519

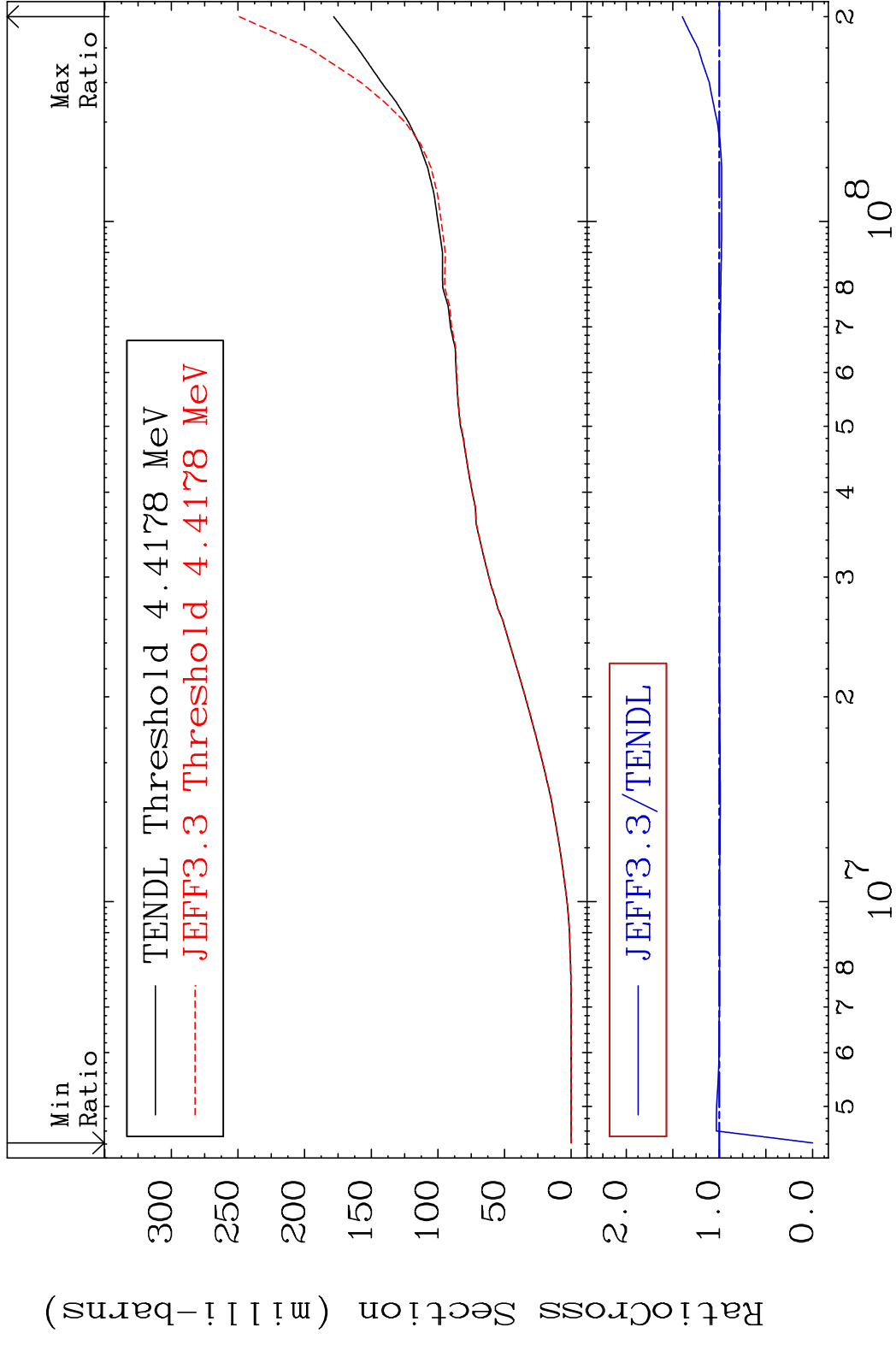
Hydrogen Production

25-Mn-53

Cross Section -66.13 To 24.62 %



MAT 2519 Deuterium Production 25-Mn-53
 Cross Section -100.0 To 39.74 %



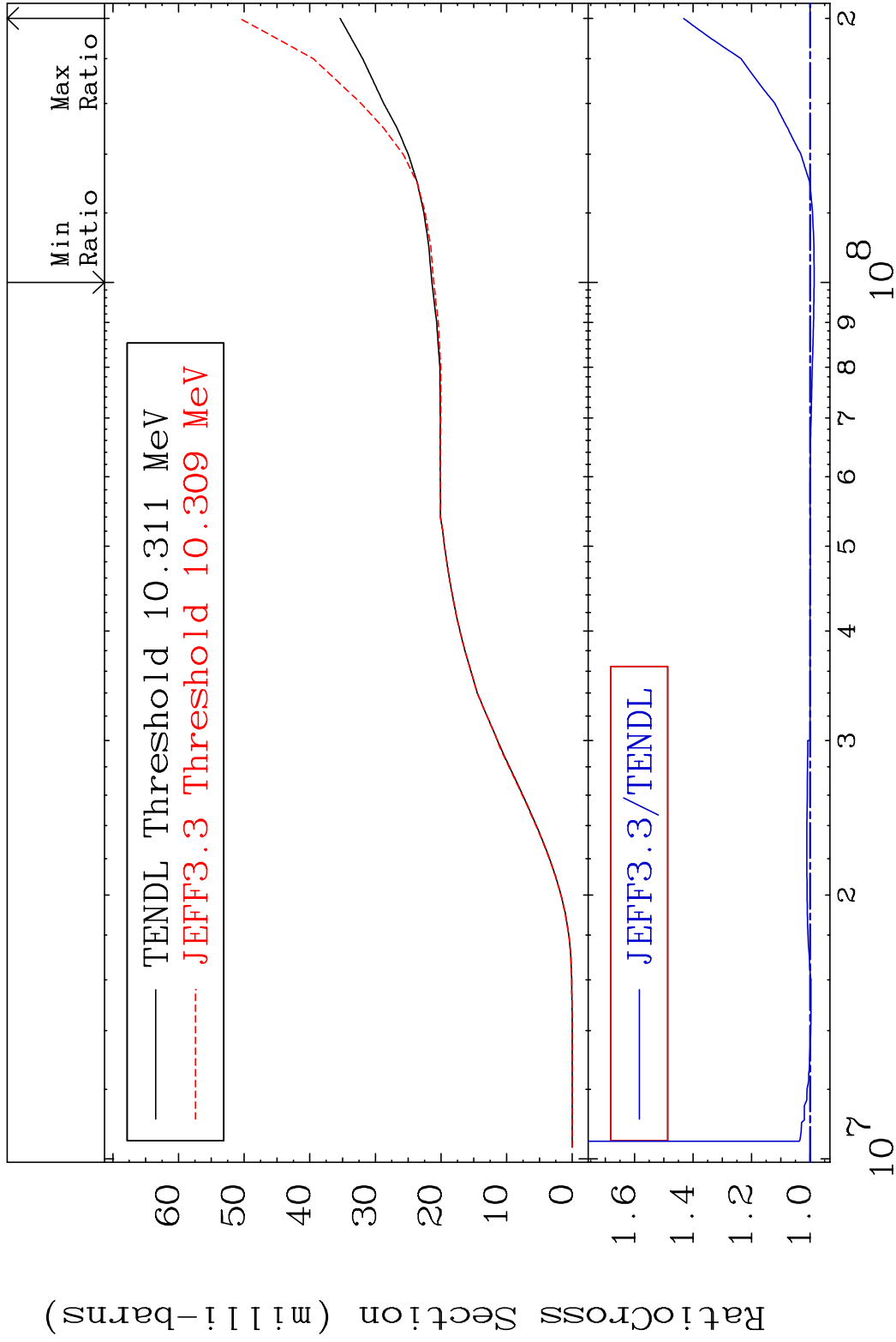
59 Incident Energy (eV) 25-Mn-53

MAT 2519

Tritium Production

²⁵Mn-53

Cross Section -1.363 To 43.24 %



60

Incident Energy (eV)

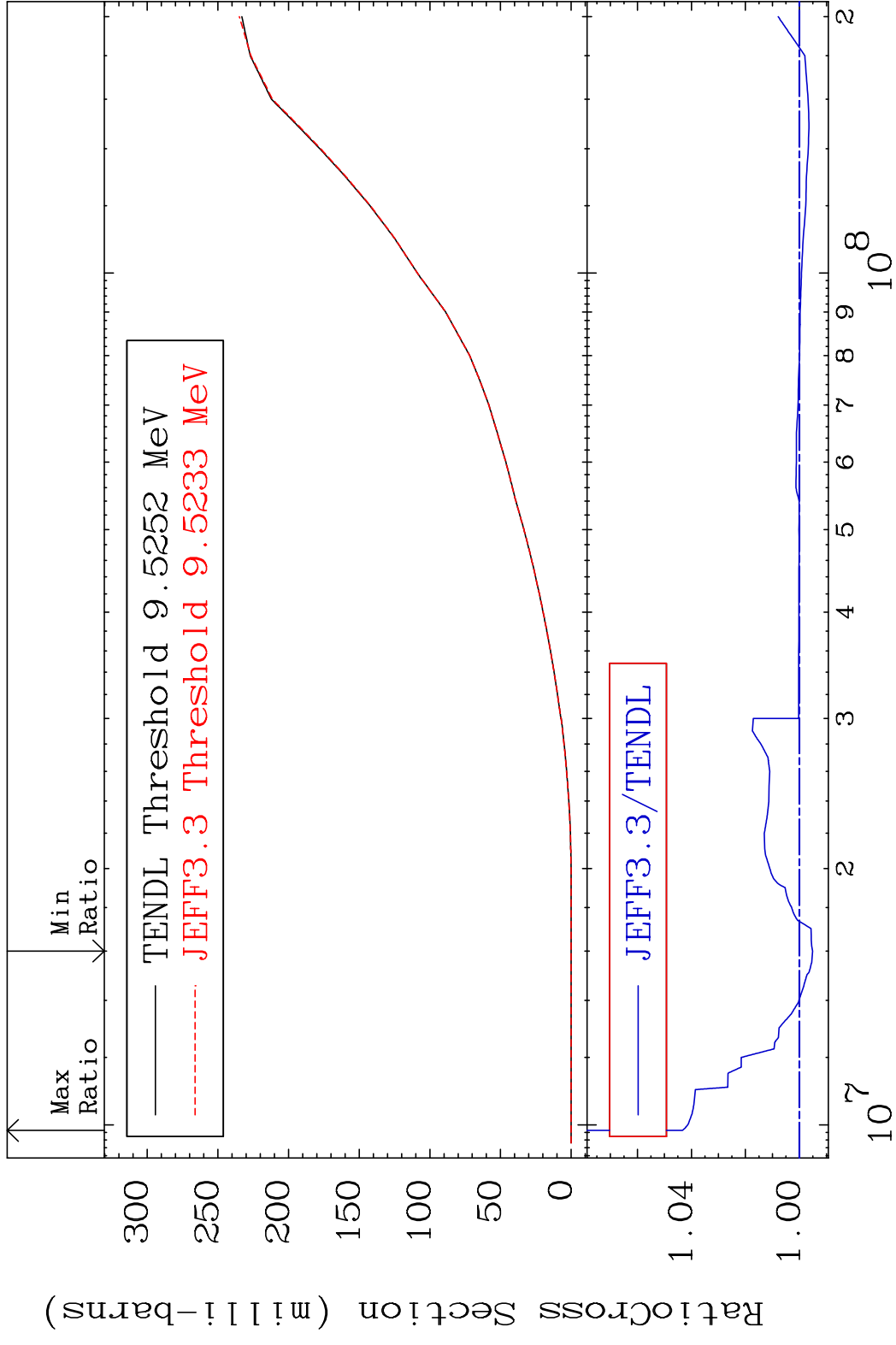
²⁵Mn-53

MAT 2519

He-3 Production

25-Mn-53

Cross Section -0.487 To 4.336 %



61

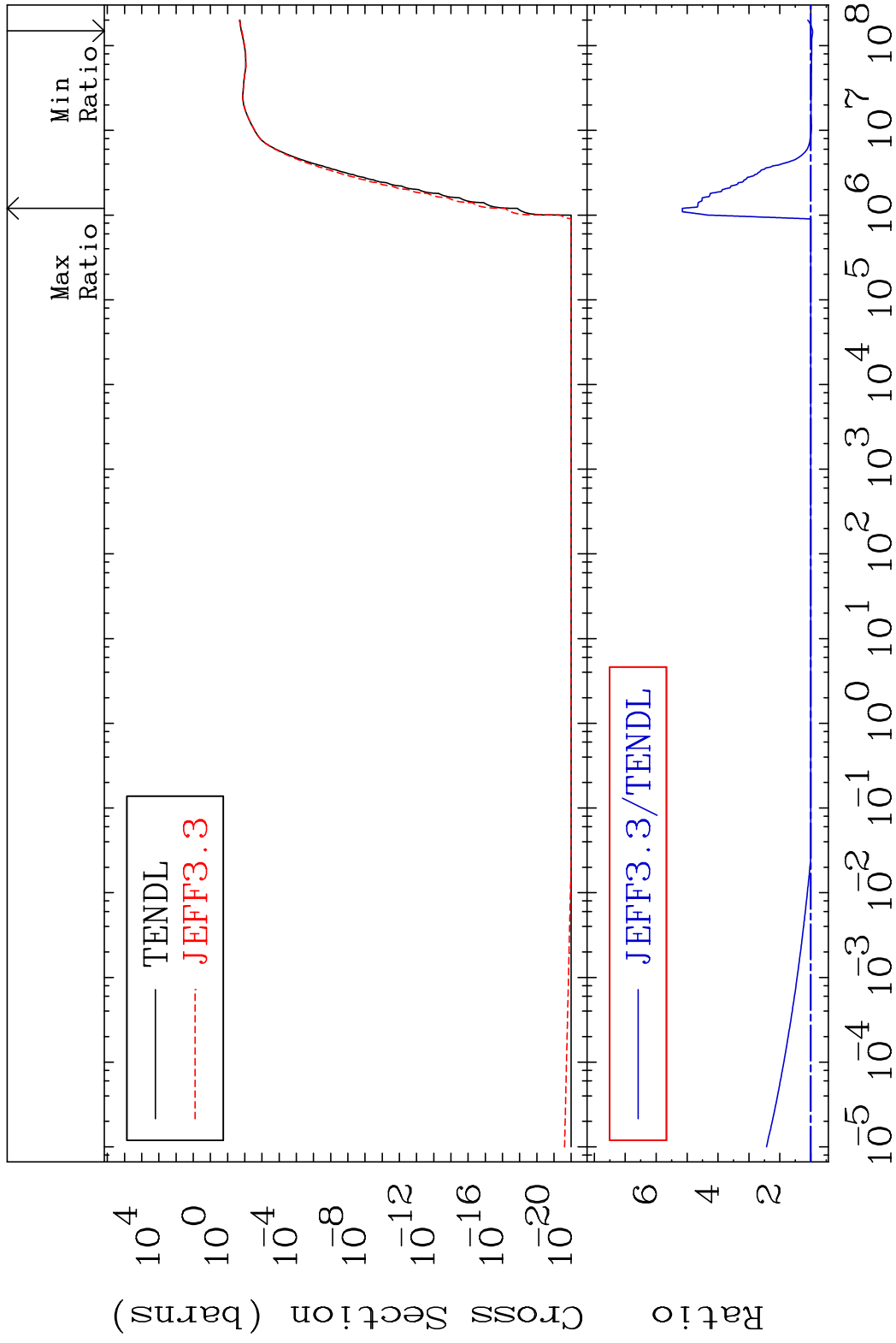
25-Mn-53

MAT 2519

He-4 Production

25-Mn-53

Cross Section -5.677 To 415.4 %

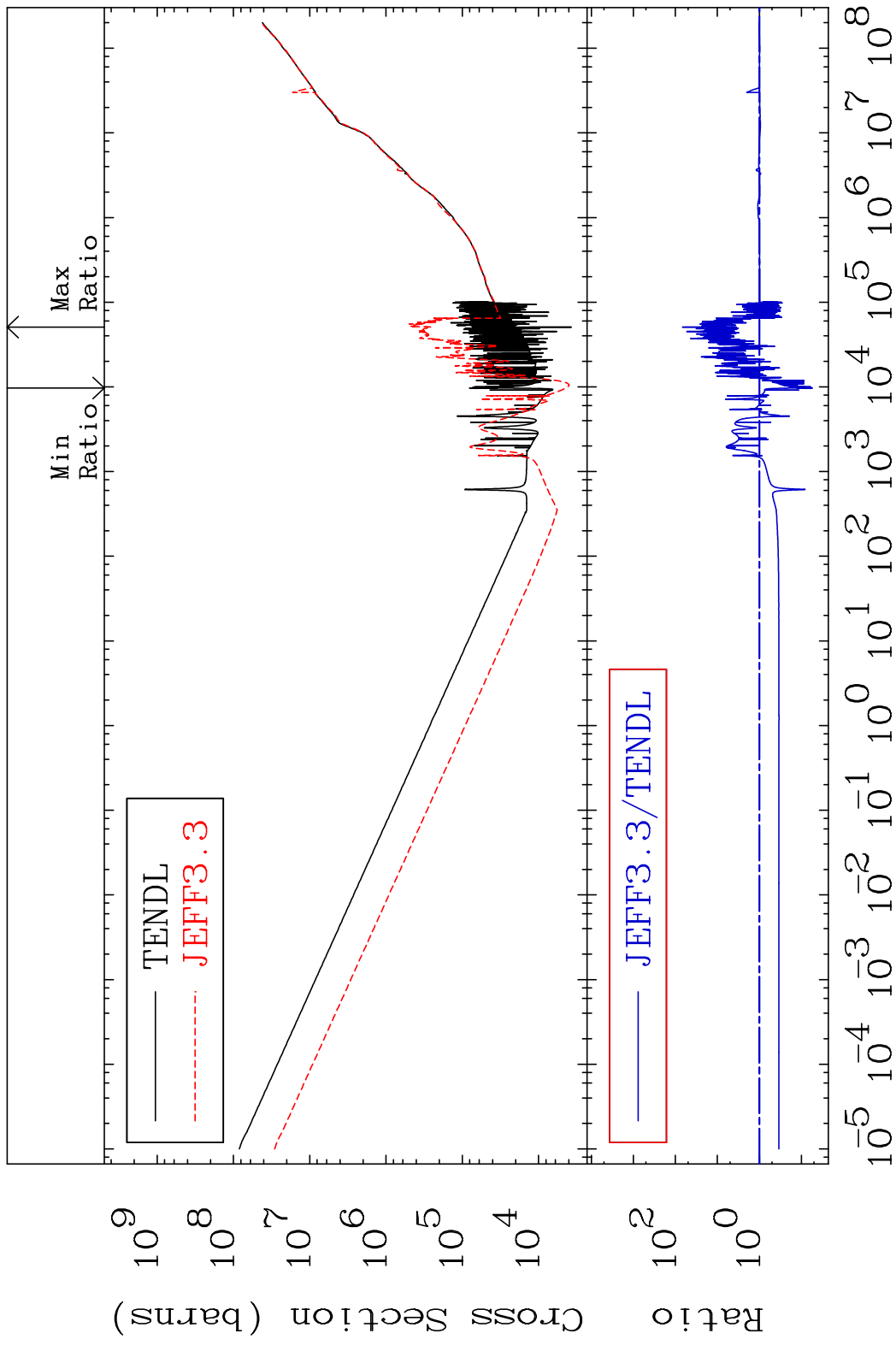


62

Incident Energy (eV)

25-Mn-53

MAT 2519 Kerma total (eV-barns) 25-Mn-53
 Cross Section -94.57 To 6721. %

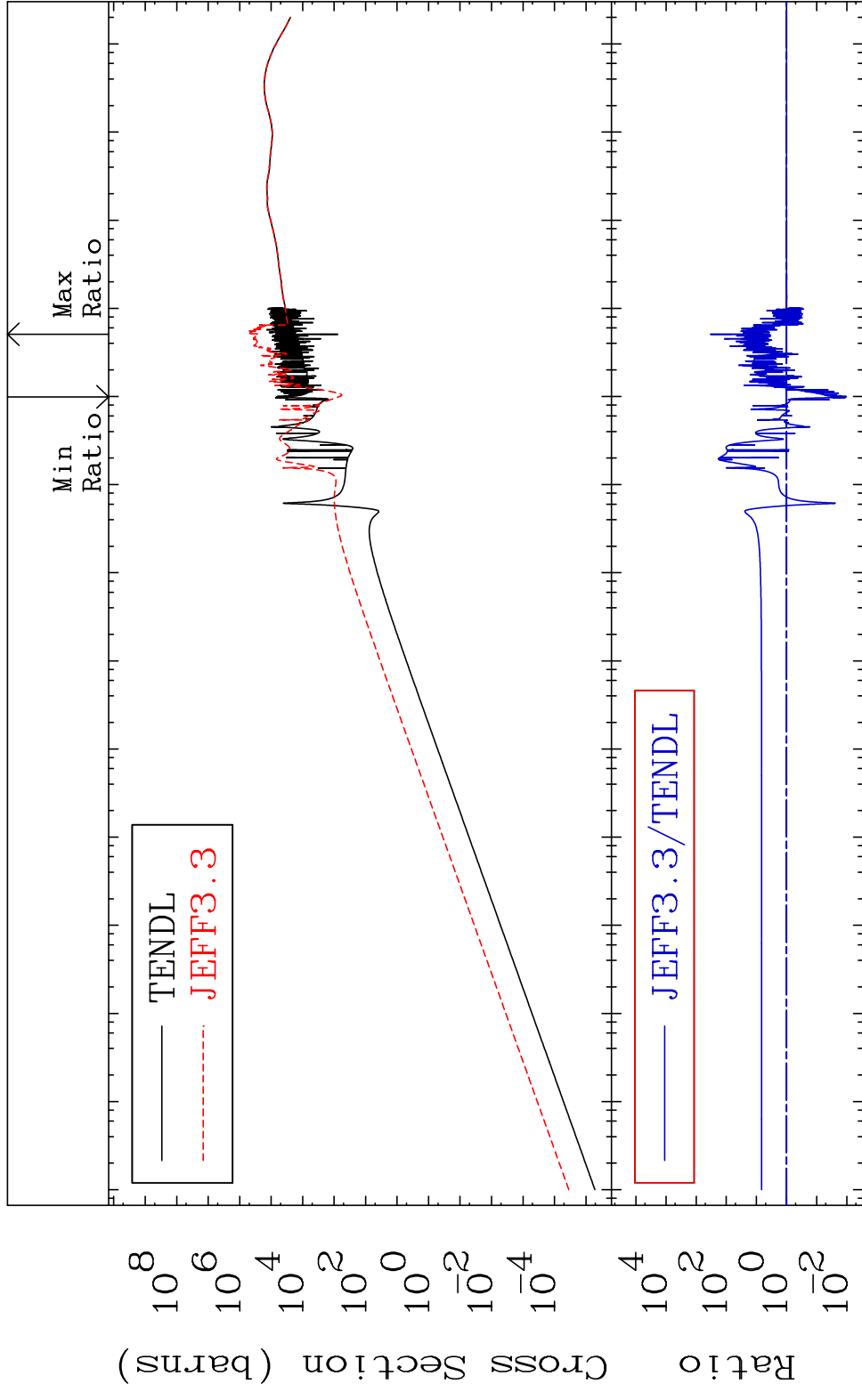


63 Incident Energy (eV) 25-Mn-53

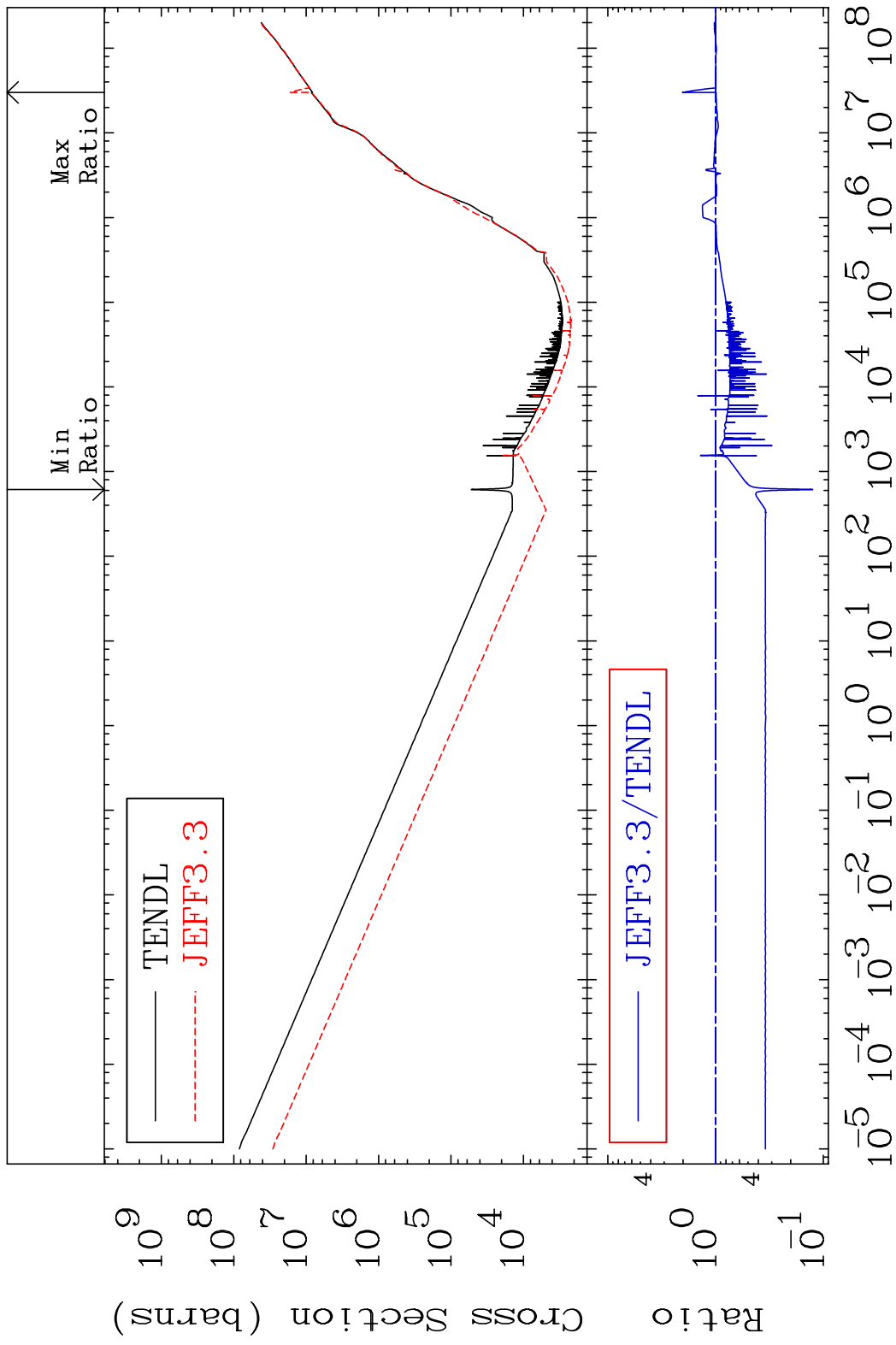
MAT 2519

Kerma elastic
Cross Section

25-Mn-53
-98.96 To 9999. %

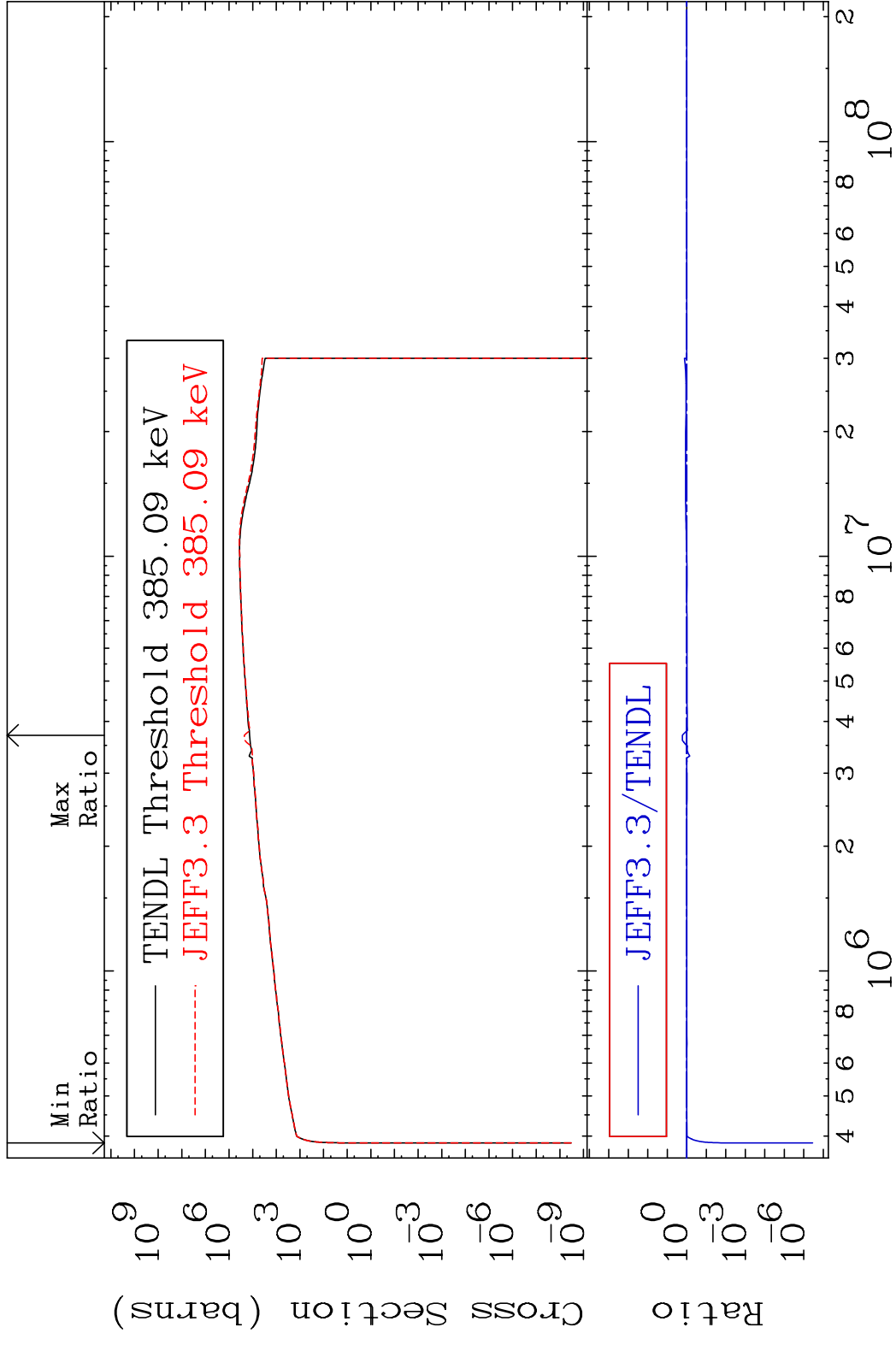


MAT 2519 Kerma non-elastic (all but mt2) 25-Mn-53
 Cross Section -87.44 To 103.5 %

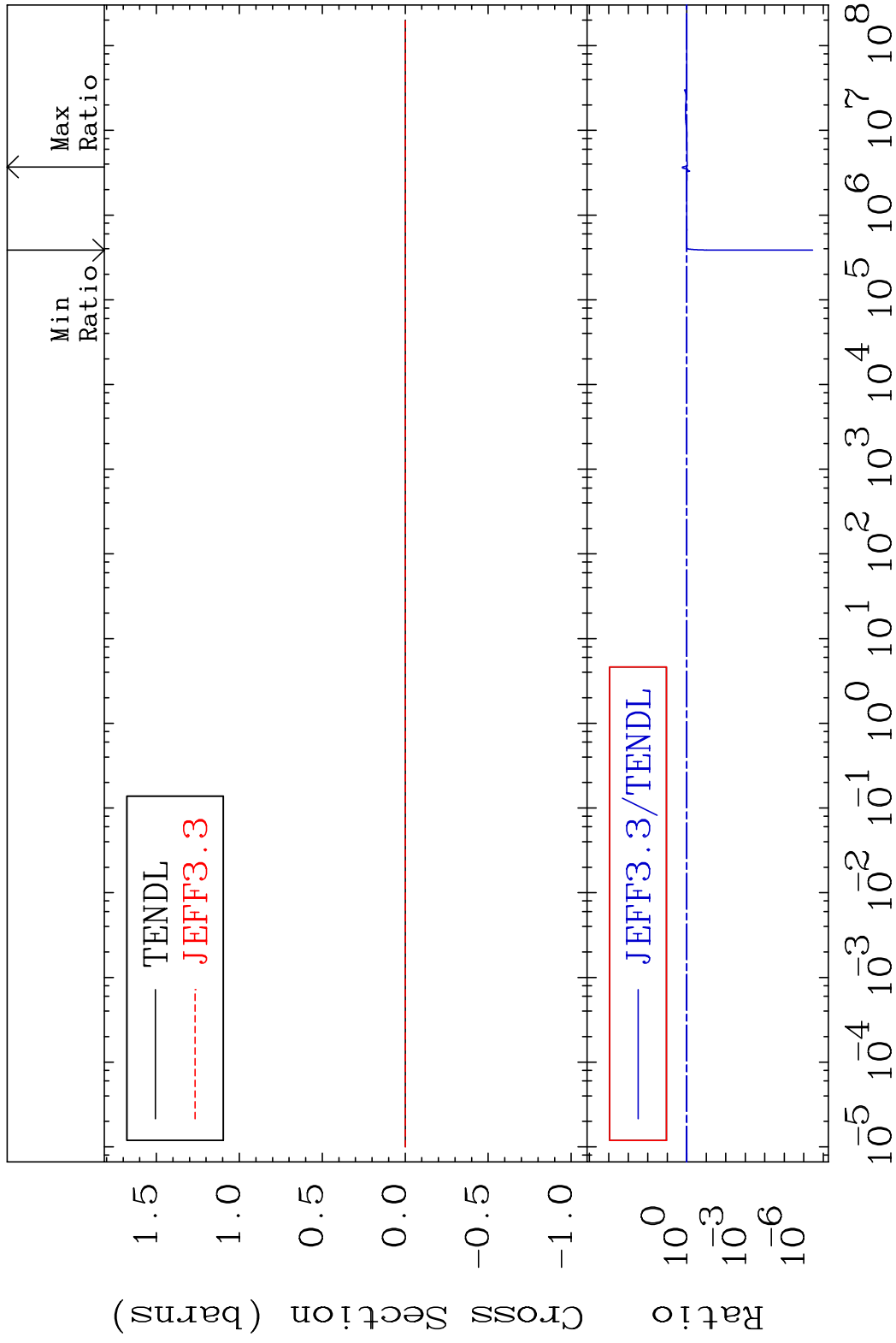


65 Incident Energy (eV) 25-Mn-53

MAT 2519 Kerma inelastic (mt51-91) 25-Mn-53
 Cross Section -100.0 To 68.32 %

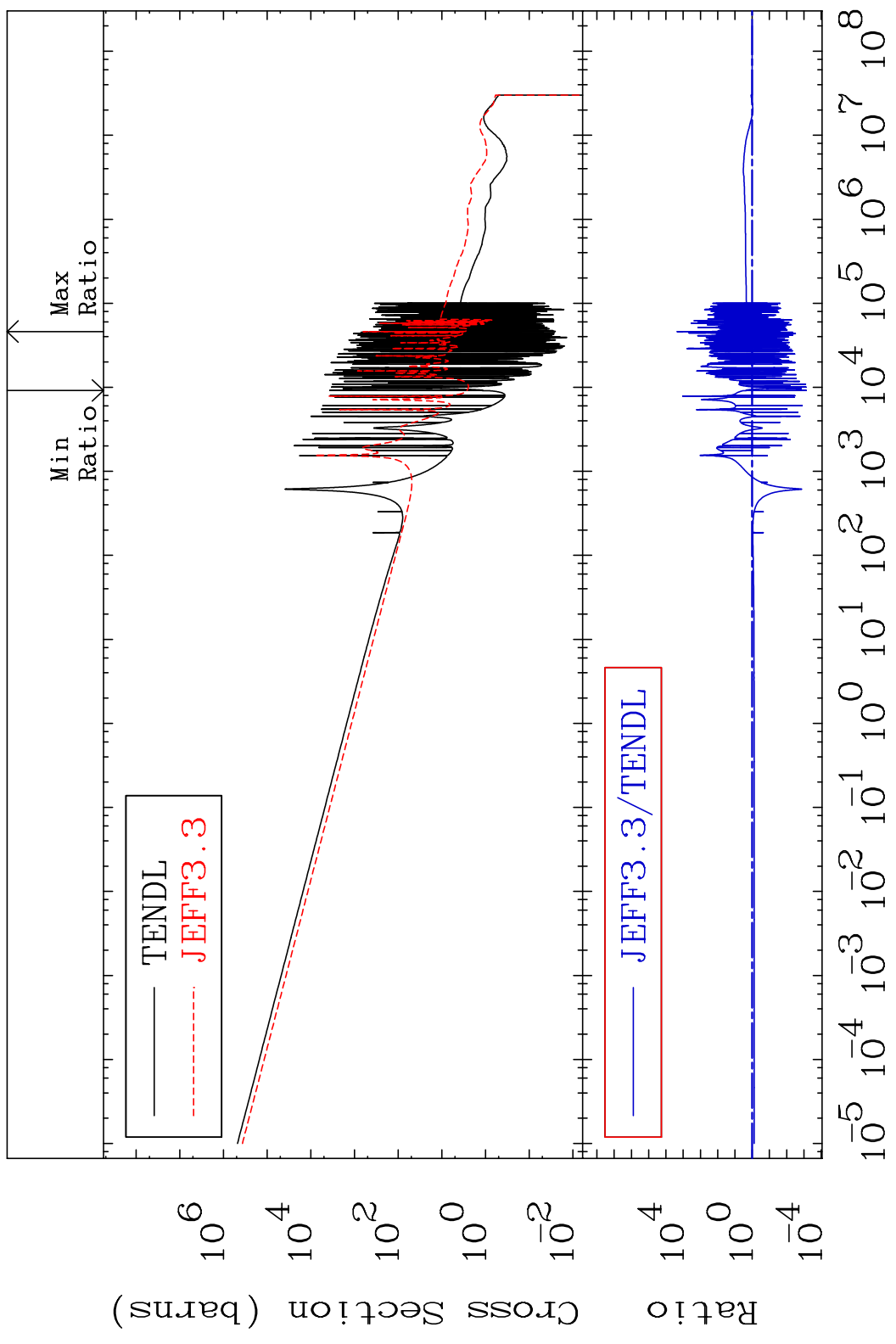


MAT 2519 Kerma fission (mt18 or mt19-20-21-38) 25-Mn-53
 Cross Section -100.0 To 68.32 %



MAT 2519

Kerma capture (mt102) 25-Mn-53
Cross Section -99.93 To 9999. %

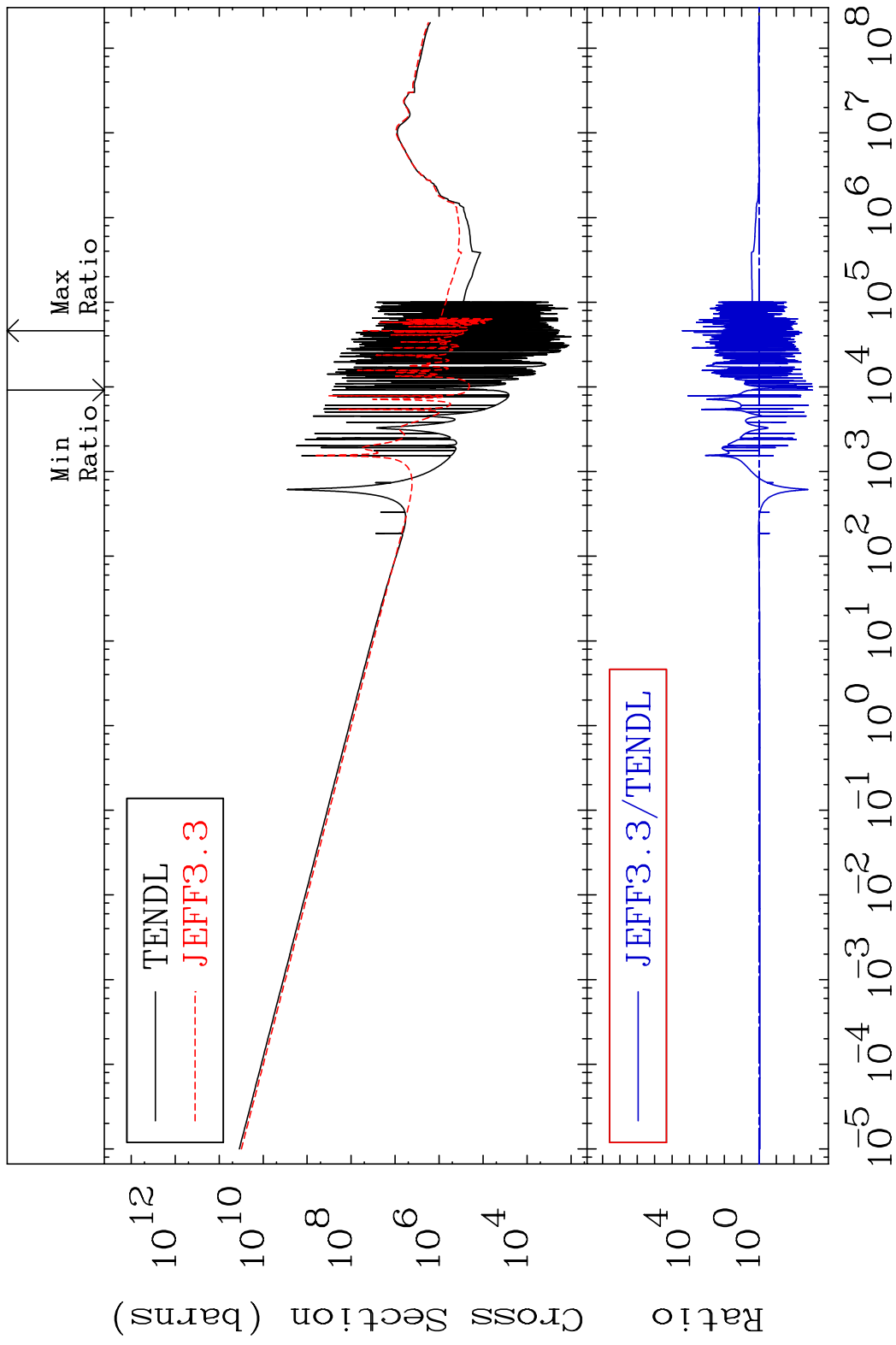


68

Incident Energy (eV)

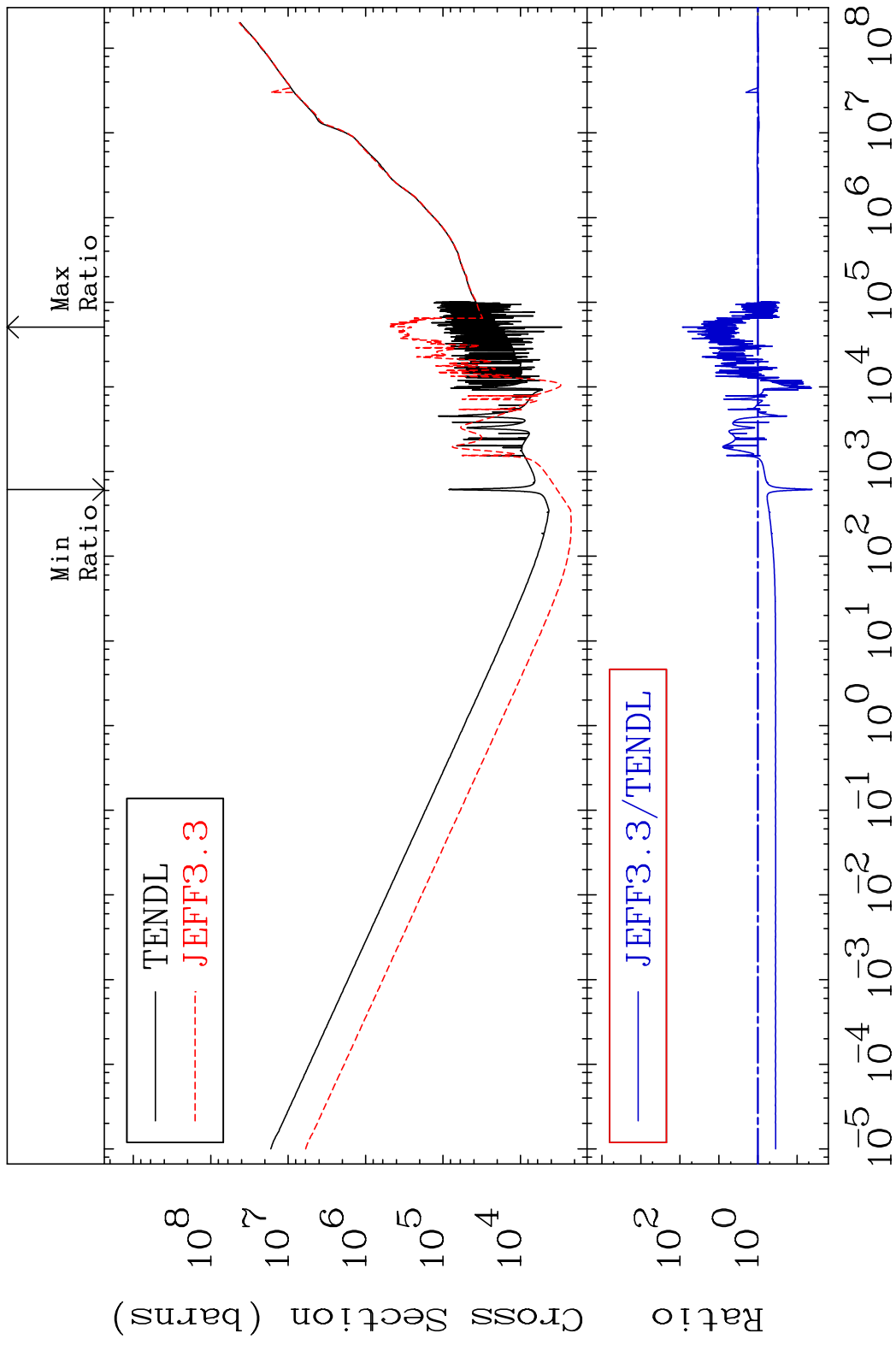
25-Mn-53

MAT 2519 Total photon (eV-barns) 25-Mn-53
 Cross Section -99.92 To 9999. %

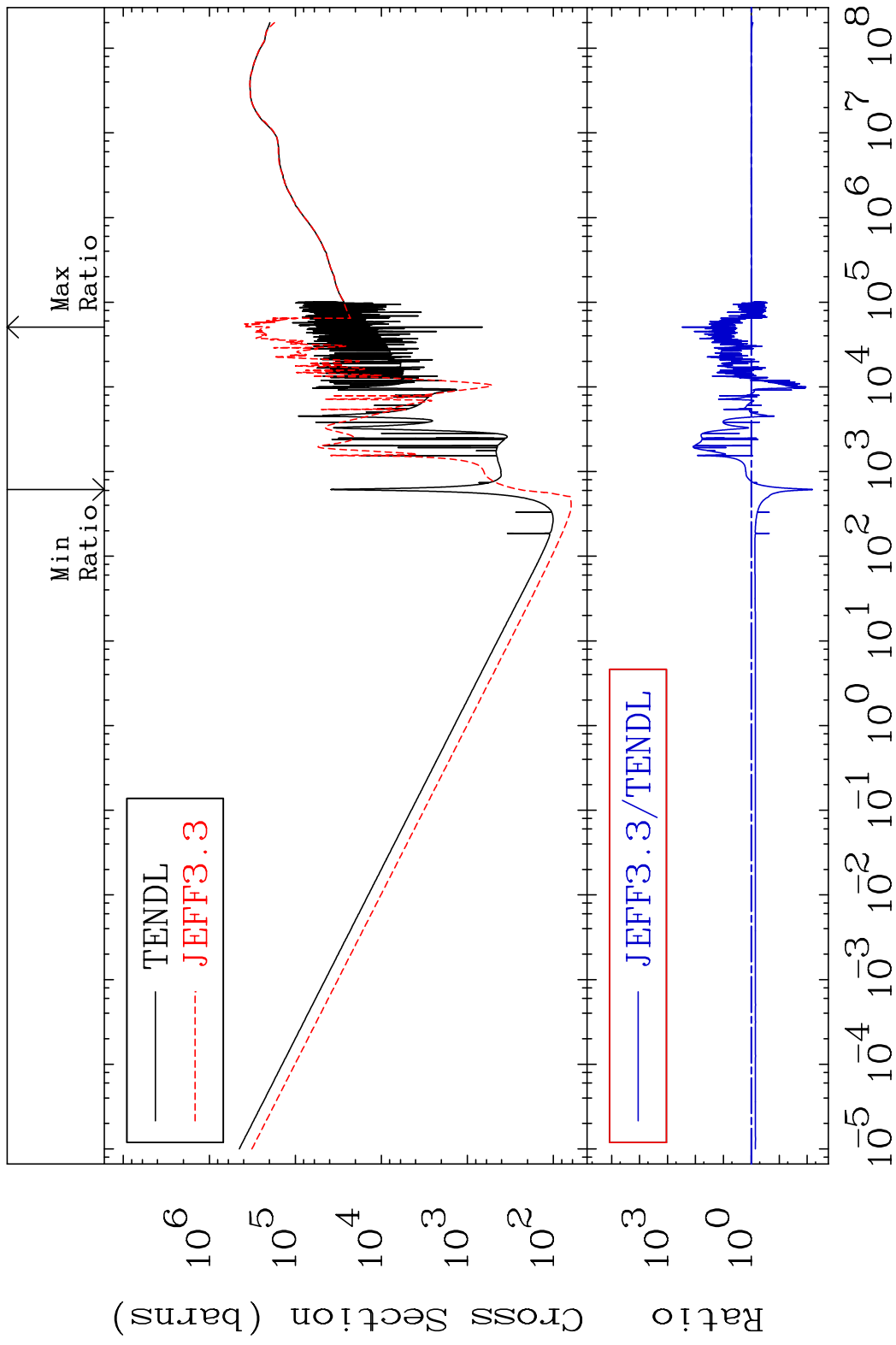


69 Incident Energy (eV) 25-Mn-53

MAT 2519 Total kinematic kerma (high limit) 25-Mn-53
Cross Section -96.00 To 8544. %



MAT 2519 Dpa total (eV-barns) 25-Mn-53
 Cross Section -99.35 To 9999. %



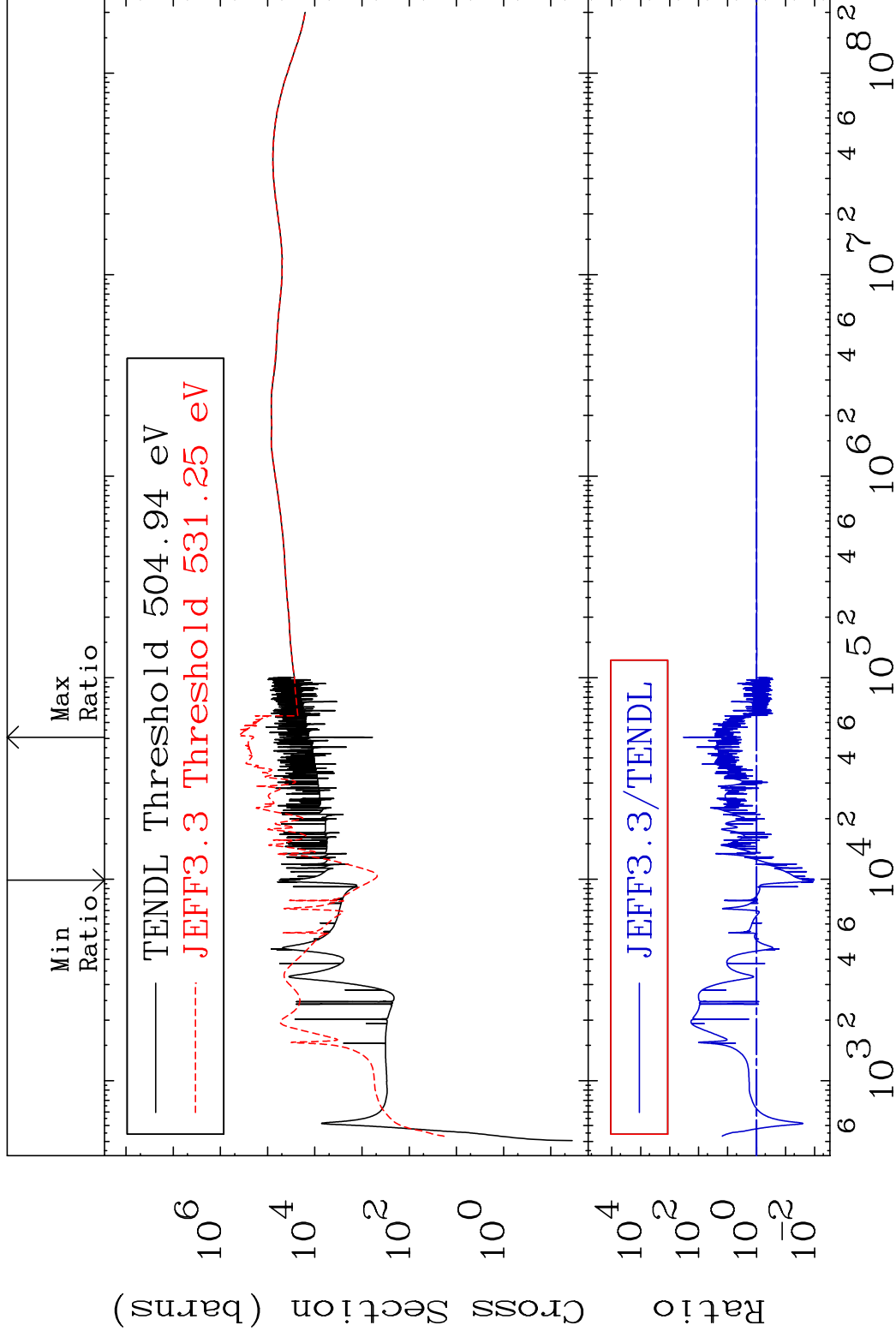
71 Incident Energy (eV) 25-Mn-53

MAT 2519

Dpa elastic (mt2)

25-Mn-53

Cross Section -98.96 To 9999. %

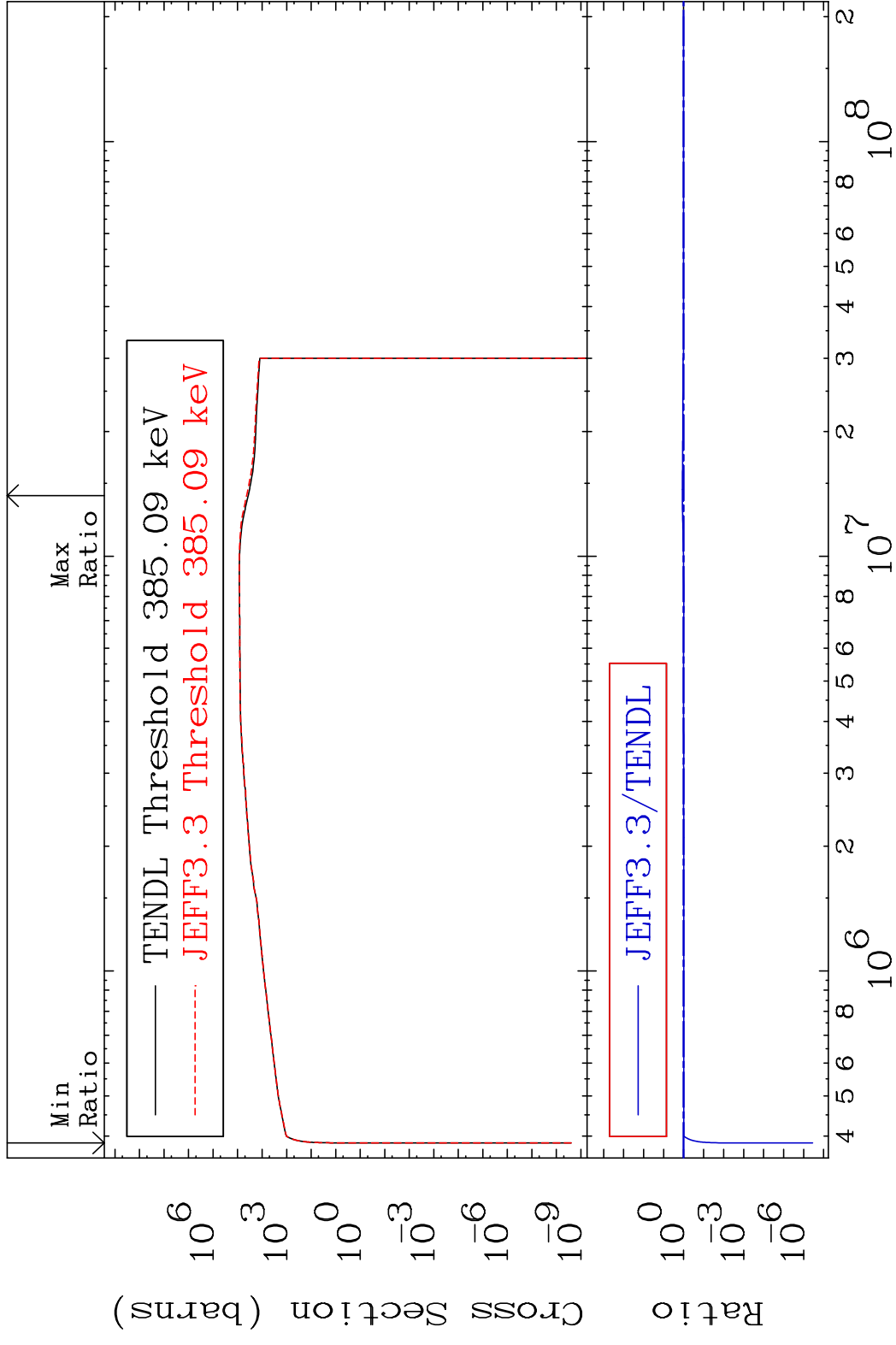


72

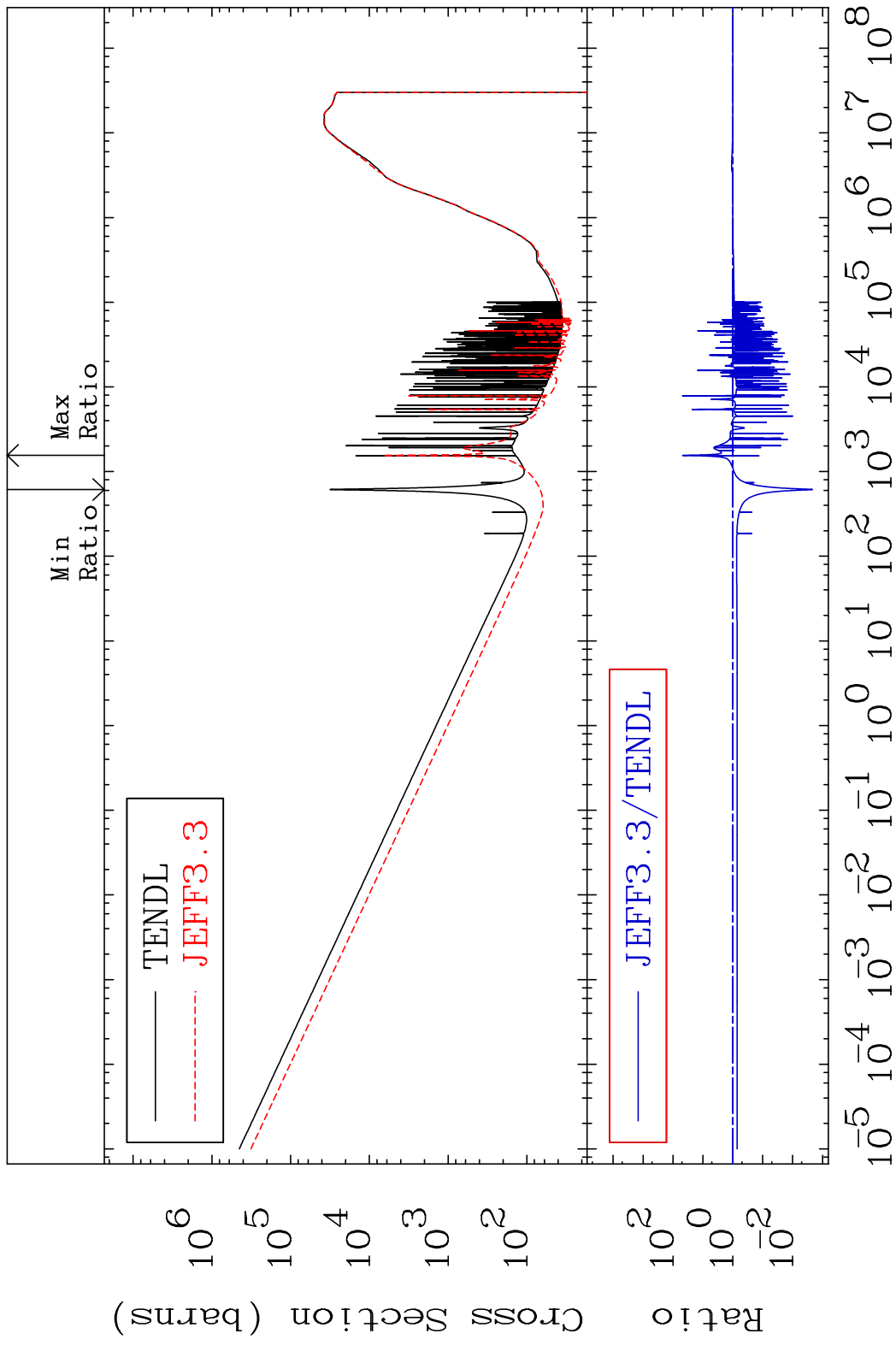
Incident Energy (eV)

25-Mn-53

MAT 2519 Dpa inelastic (mt51-91) 25-Mn-53
 Cross Section -100.0 To 15.96 %

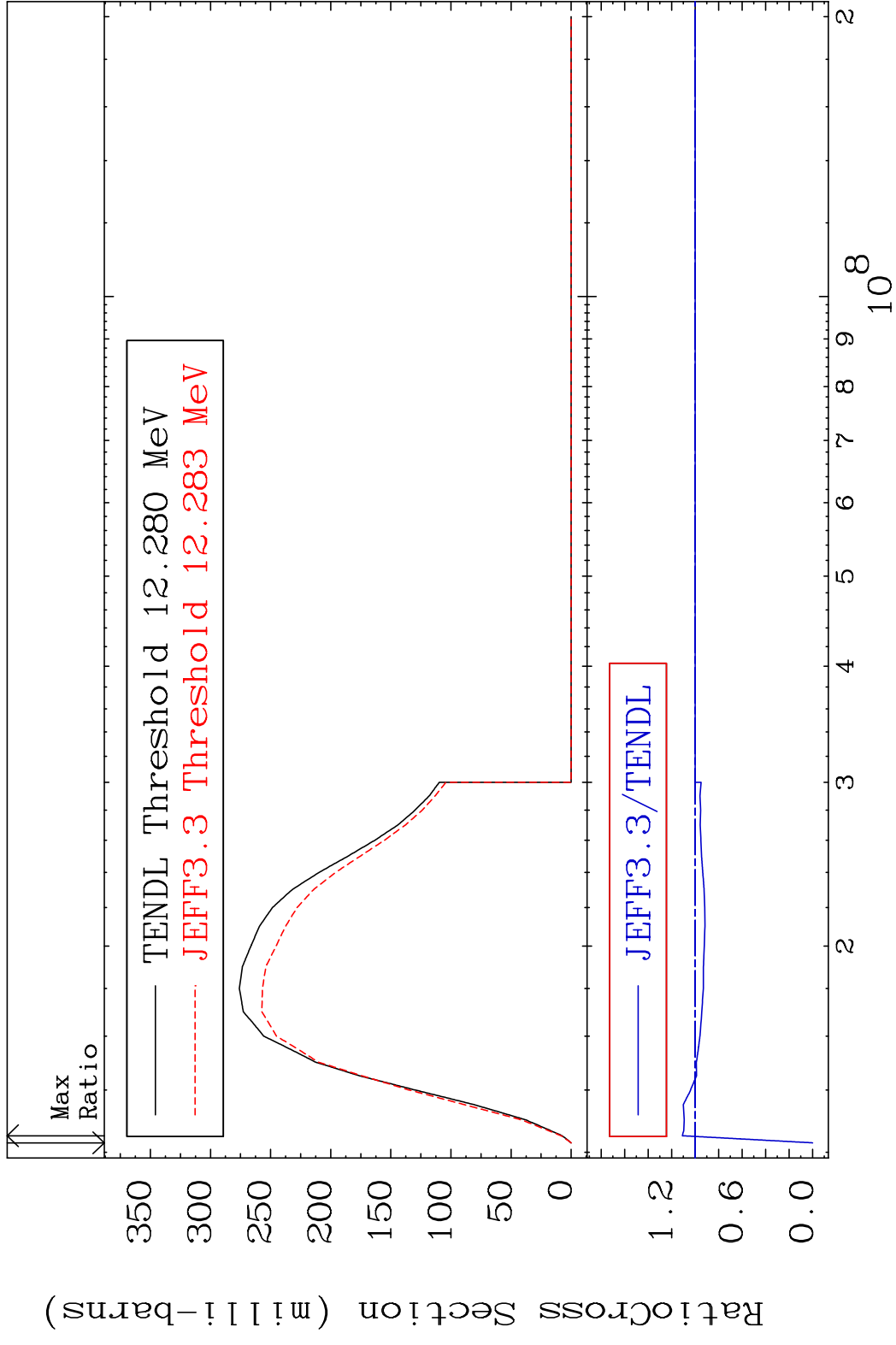


MAT 2519 Dpa disappearance (mt102 -120) 25-Mn-53
 Cross Section -99.78 To 4756. %

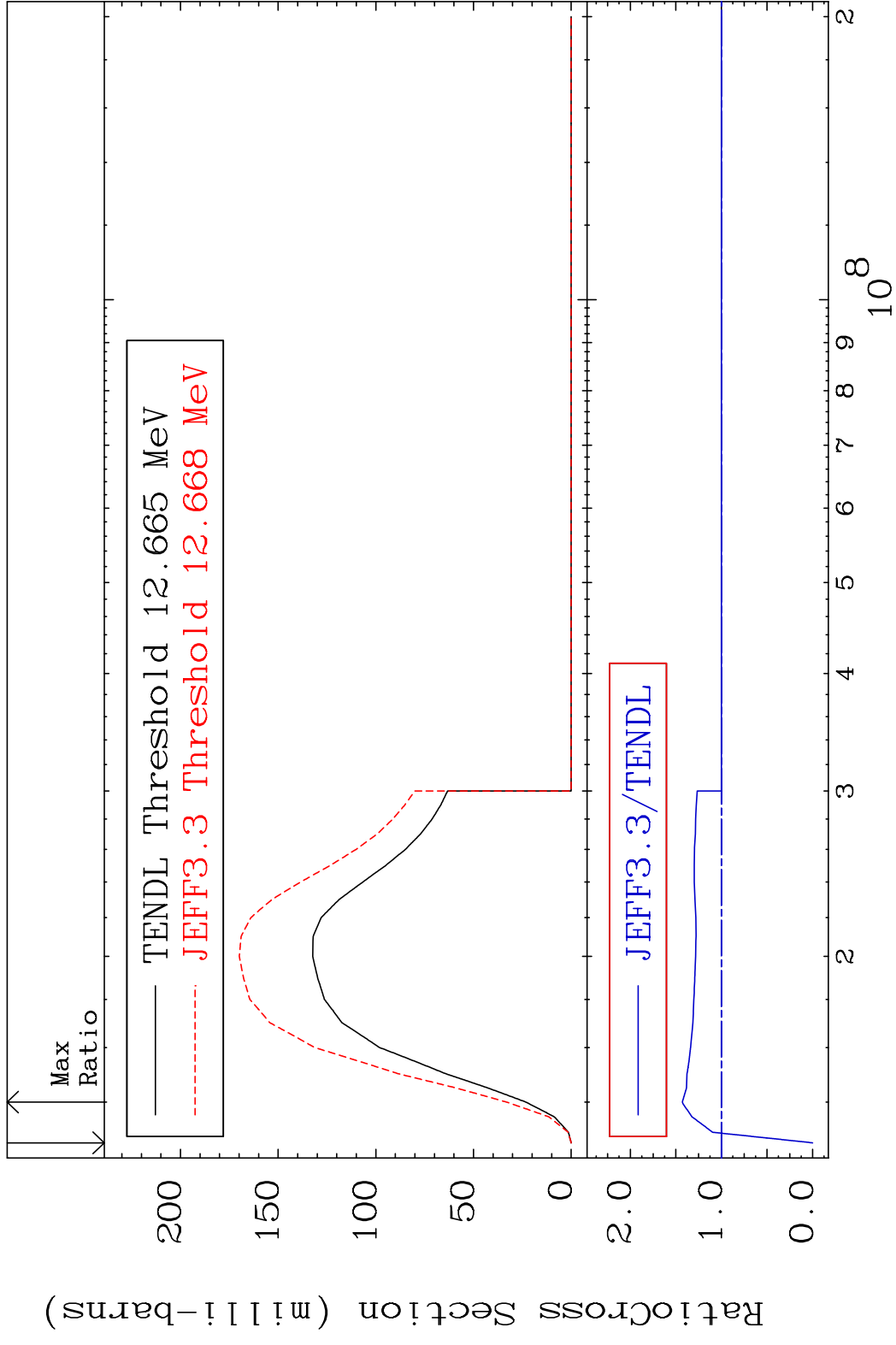


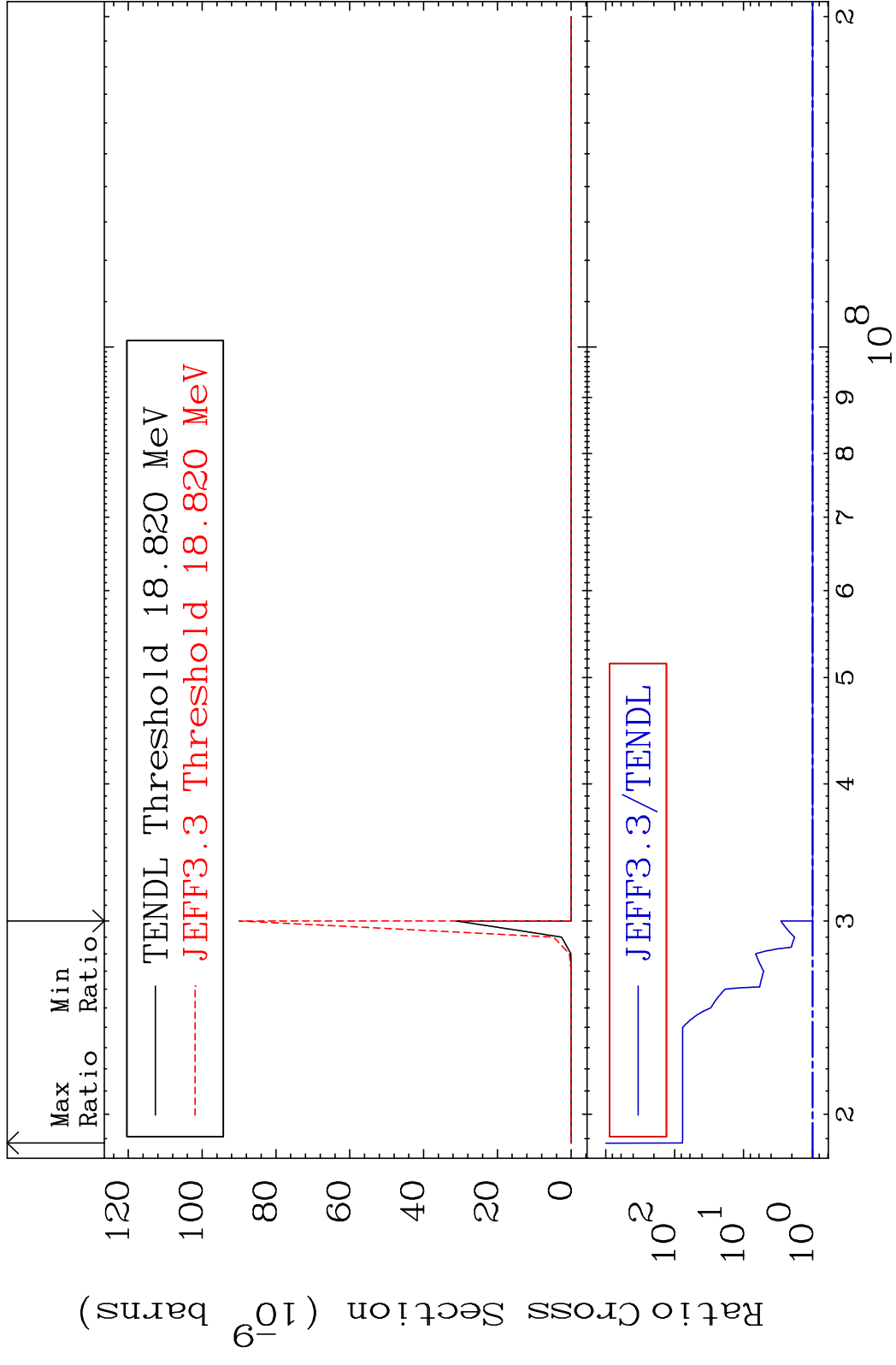
74 Incident Energy (eV) 25-Mn-53

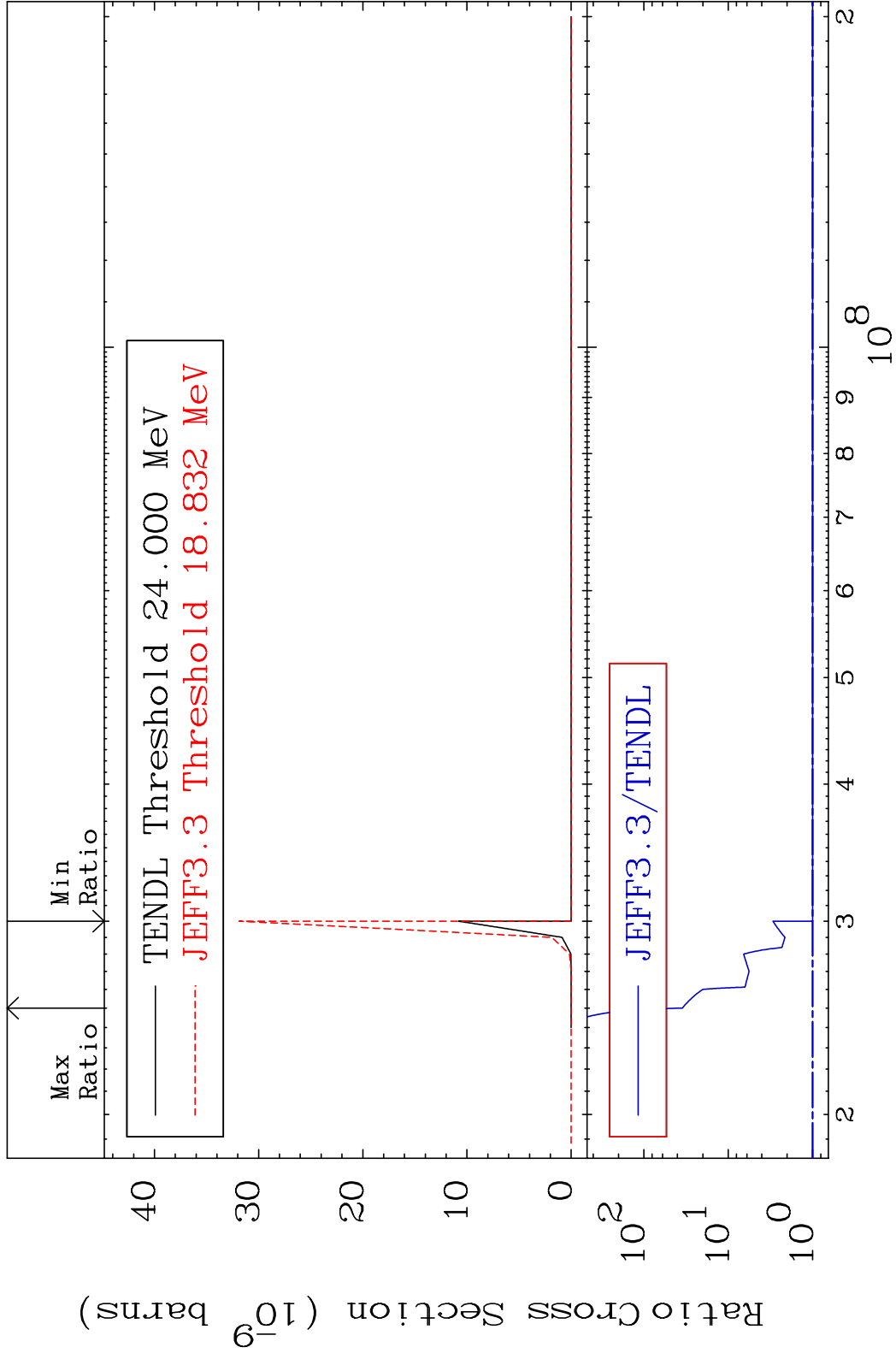
MAT 2519 (n,2n):25-Mn-52g 25-Mn-53
 Radionuclide Production Cross Section 100.00 dth 10.85 %



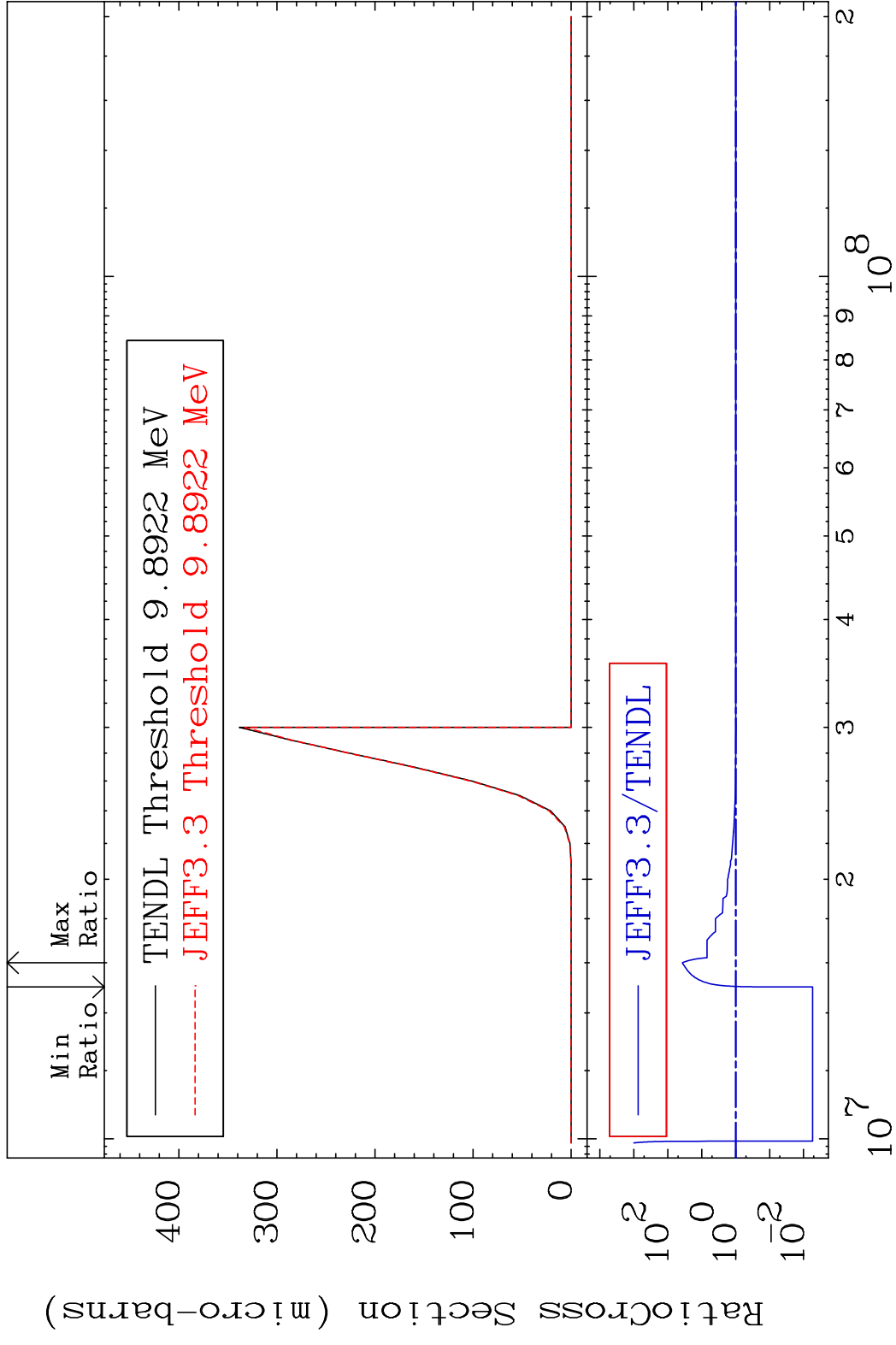
MAT 2519 (n,2n):25-Mn-52m1 25-Mn-53
 Radionuclide Production Cross Section 180.01 dno 42.90 %





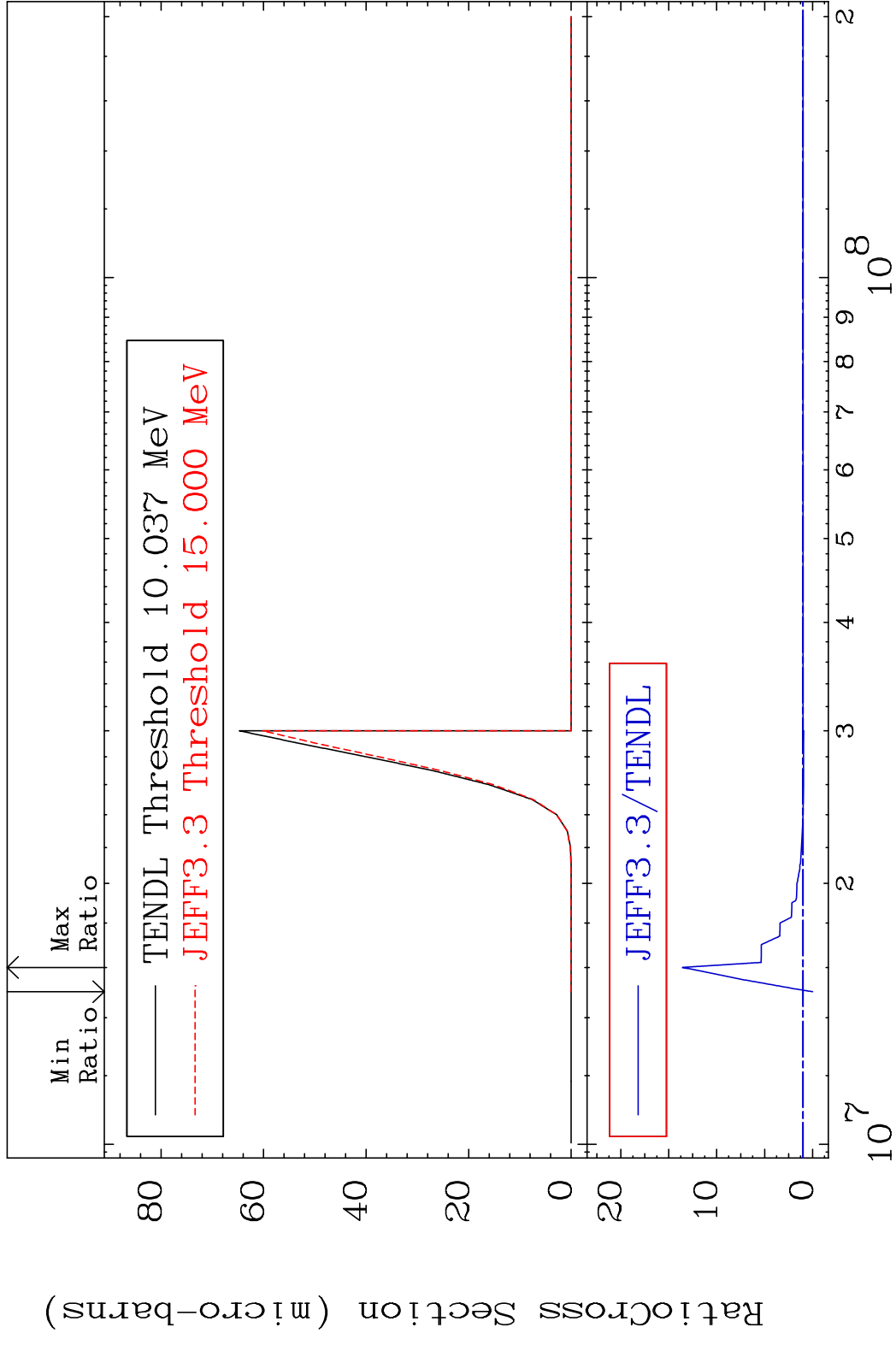


MAT 2519 (n,2α):21-Sc-46g 25-Mn-53
 Radionuclide Production Cross Section 98.461 dth 3626. %



79 Incident Energy (eV) 25-Mn-53

MAT 2519 (n,2α):21-Sc-46m2 25-Mn-53
 Radionuclide Production Cross Section 180.0 dth 1258. %



80 25-Mn-53