

Program Complot
(Version 2021-1)

by

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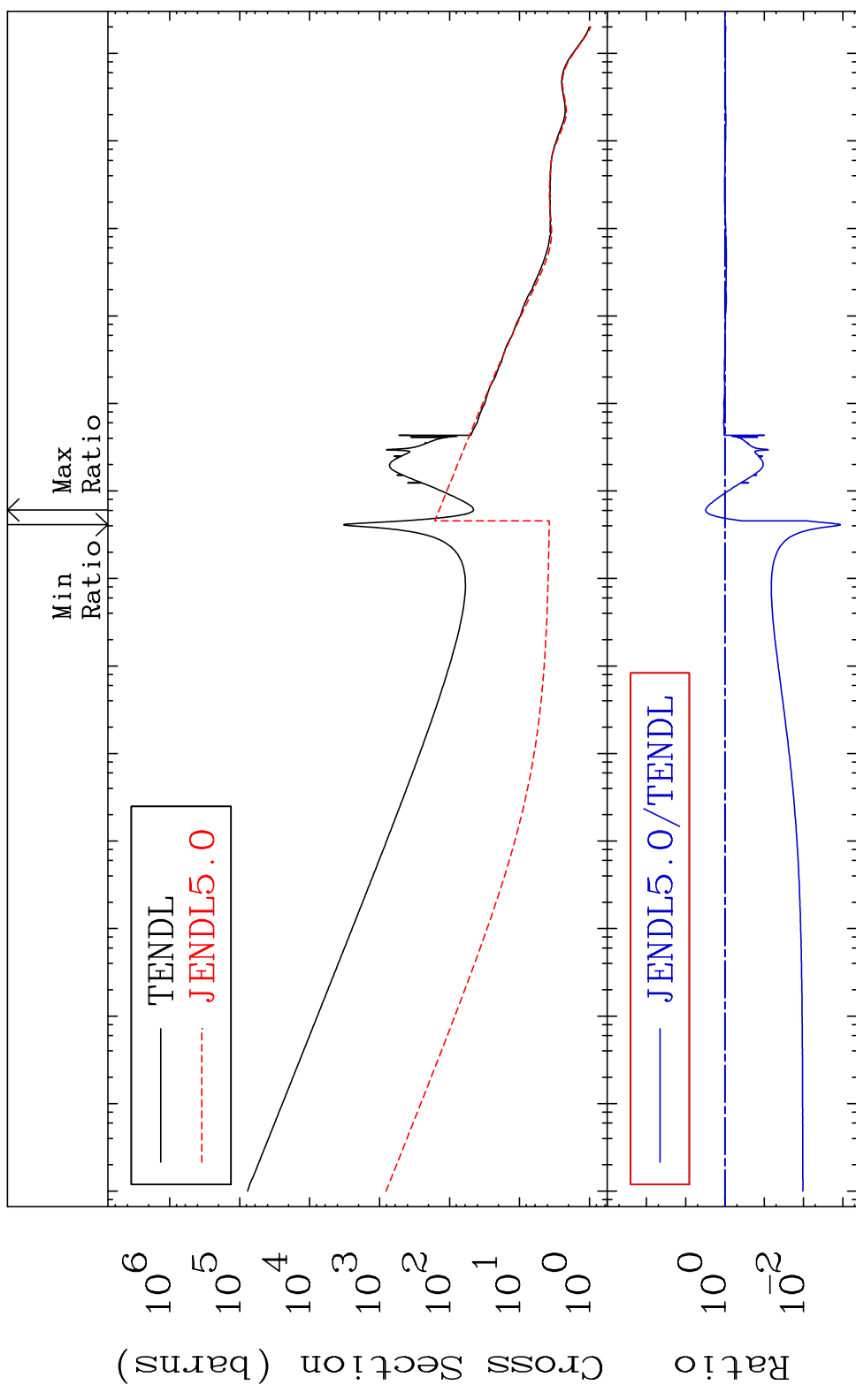
Press Mouse Button to Start

MAT 2516

Total

25-Mn-52

Cross Section -99.89 To 208.9 %



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

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

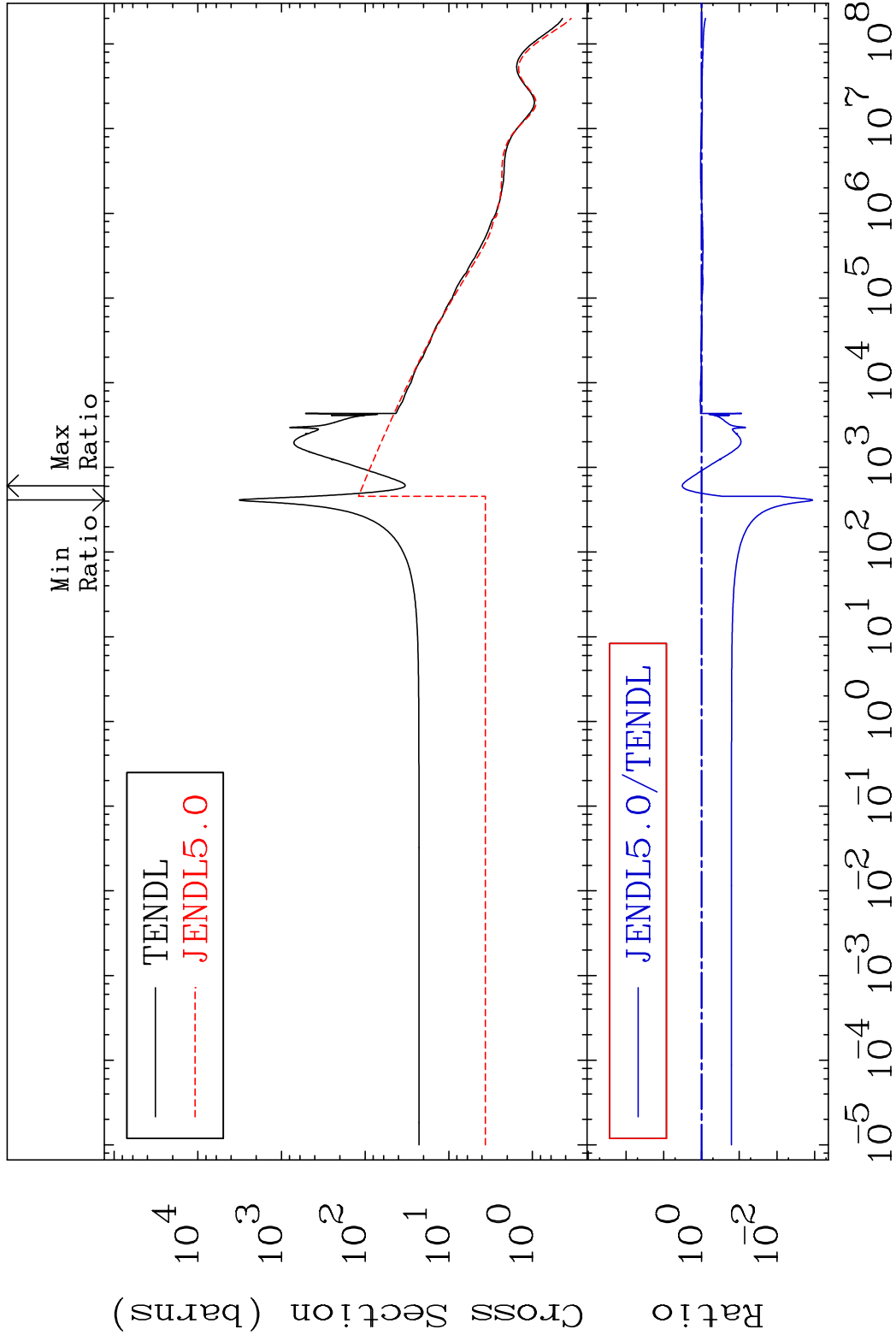
Incident Energy (eV) 25-Mn-52

MAT 2516

Elastic

25-Mn-52

Cross Section -99.89 To 221.9 %

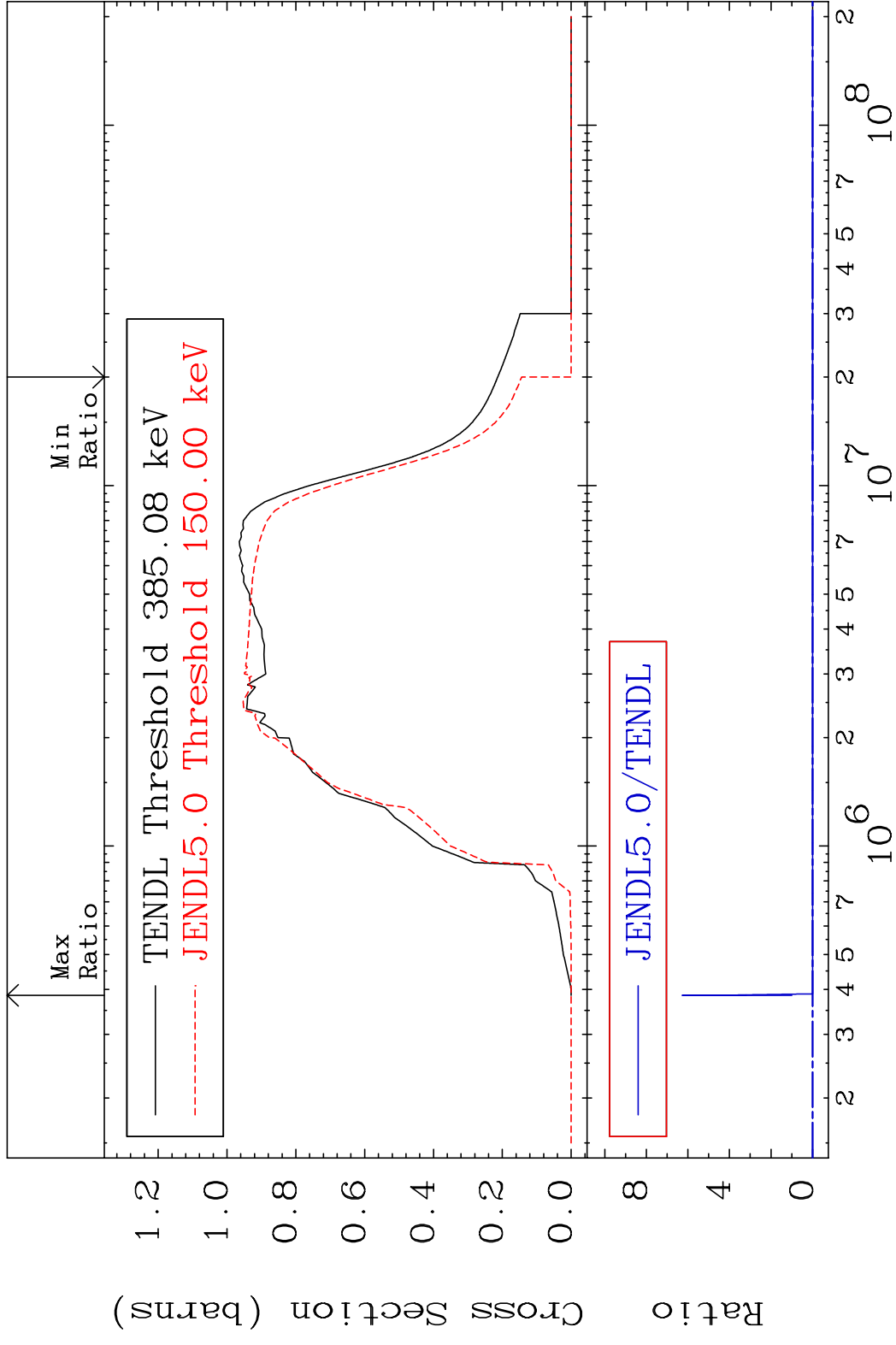


2

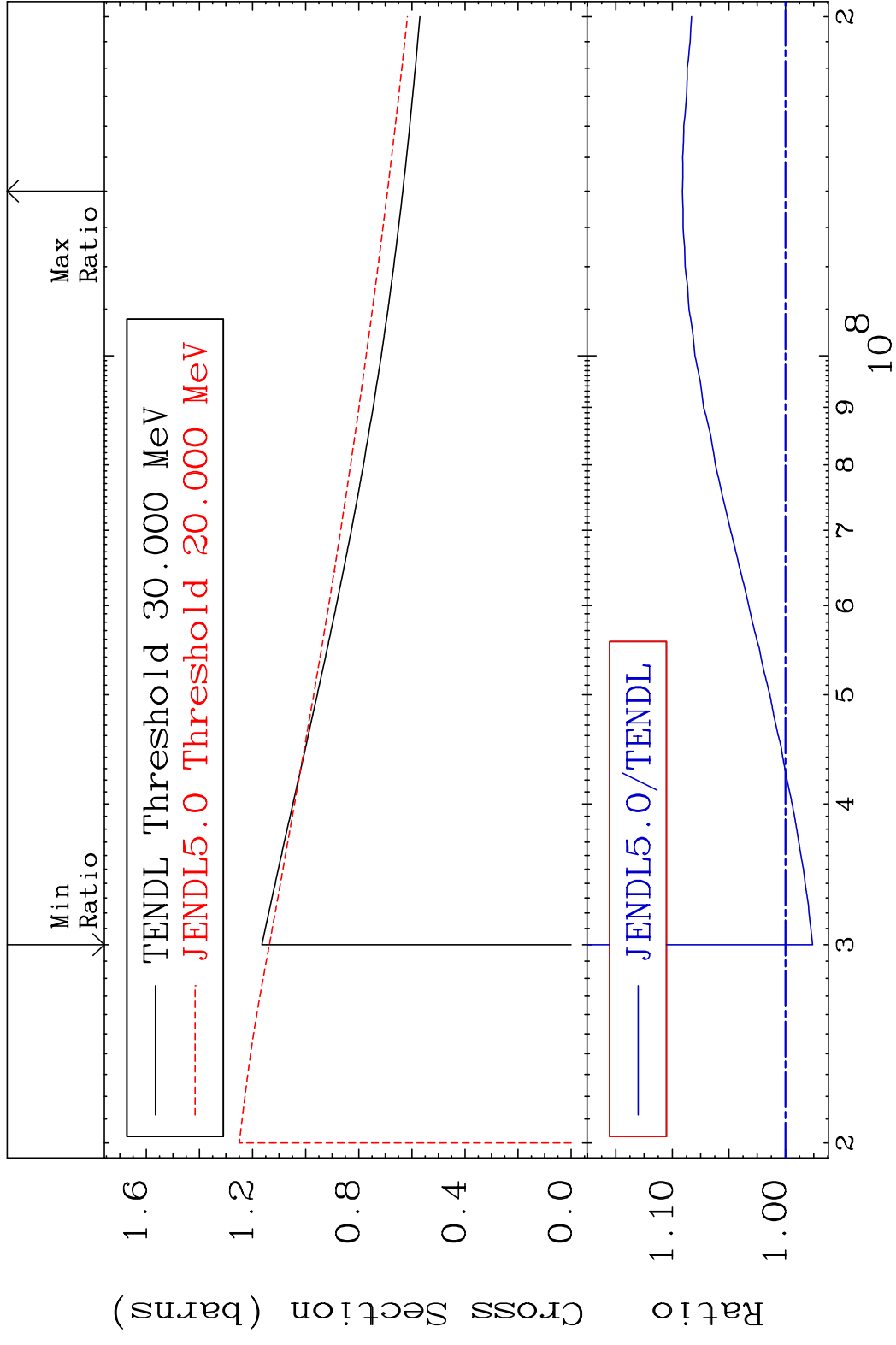
Incident Energy (eV)

25-Mn-52

MAT 2516 Inelastic Cross Section -100.0 To 9999. % 25-Mn-52

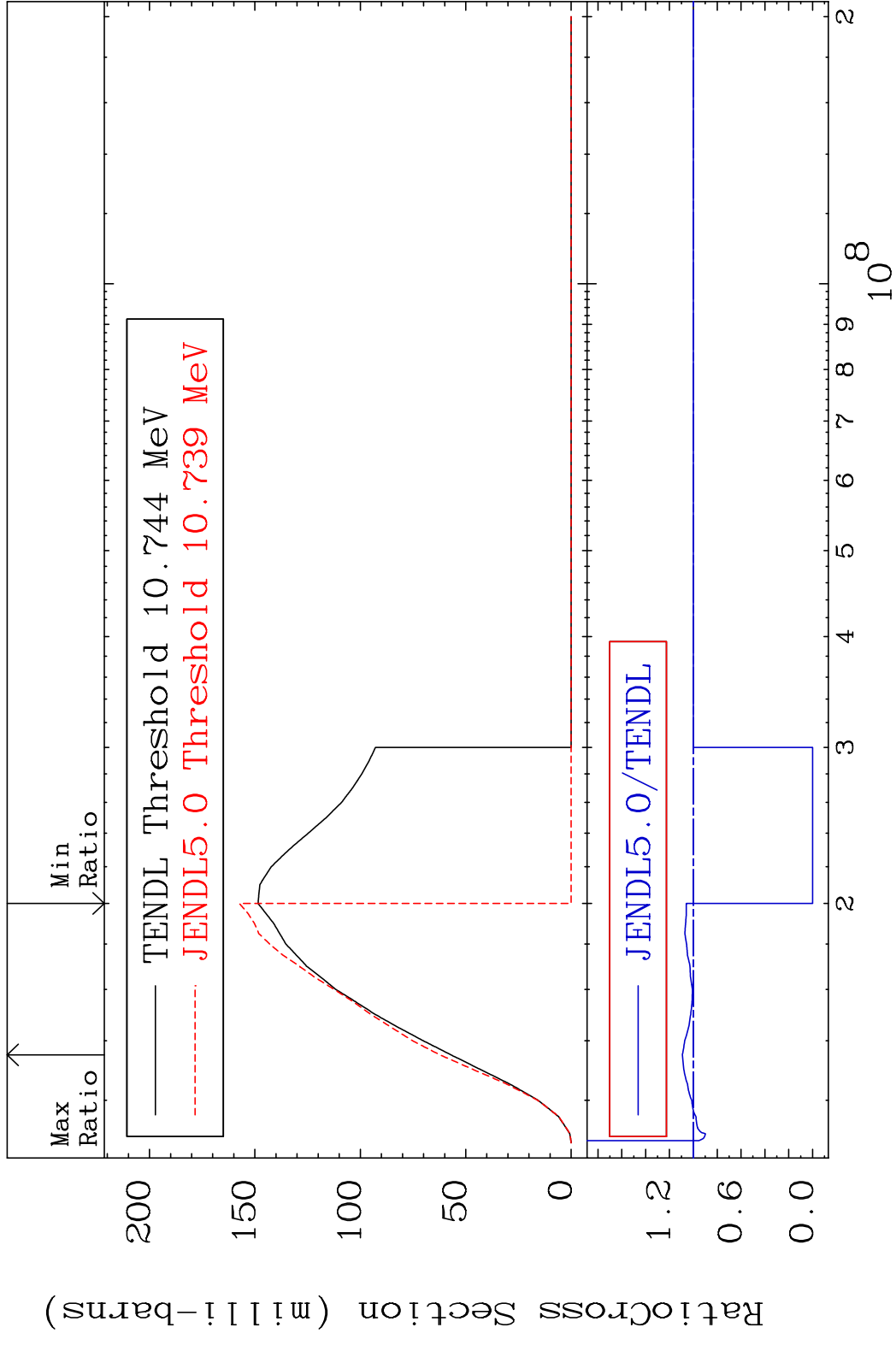


MAT 2516 (n, remainder) 25-Mn-52
 Cross Section -2.405 To 9.107 %



4 Incident Energy (eV) 25-Mn-52

MAT 2516 (n,2n) 25-Mn-52
 Cross Section -100.0 To 9.219 %

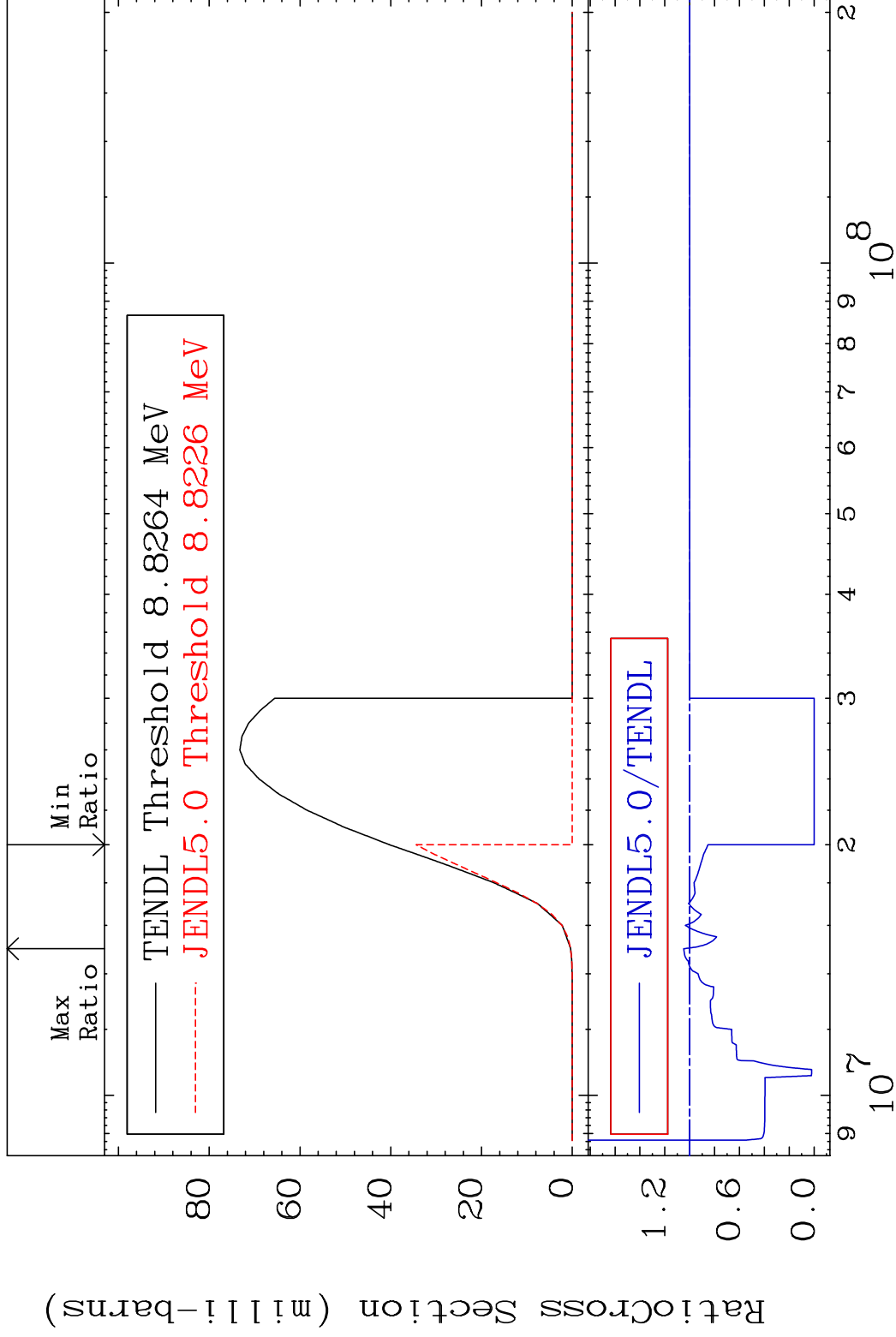


MAT 2516

(n, n') α

25-Mn-52

Cross Section -100.0 To 4.852 %



6

Incident Energy (eV)

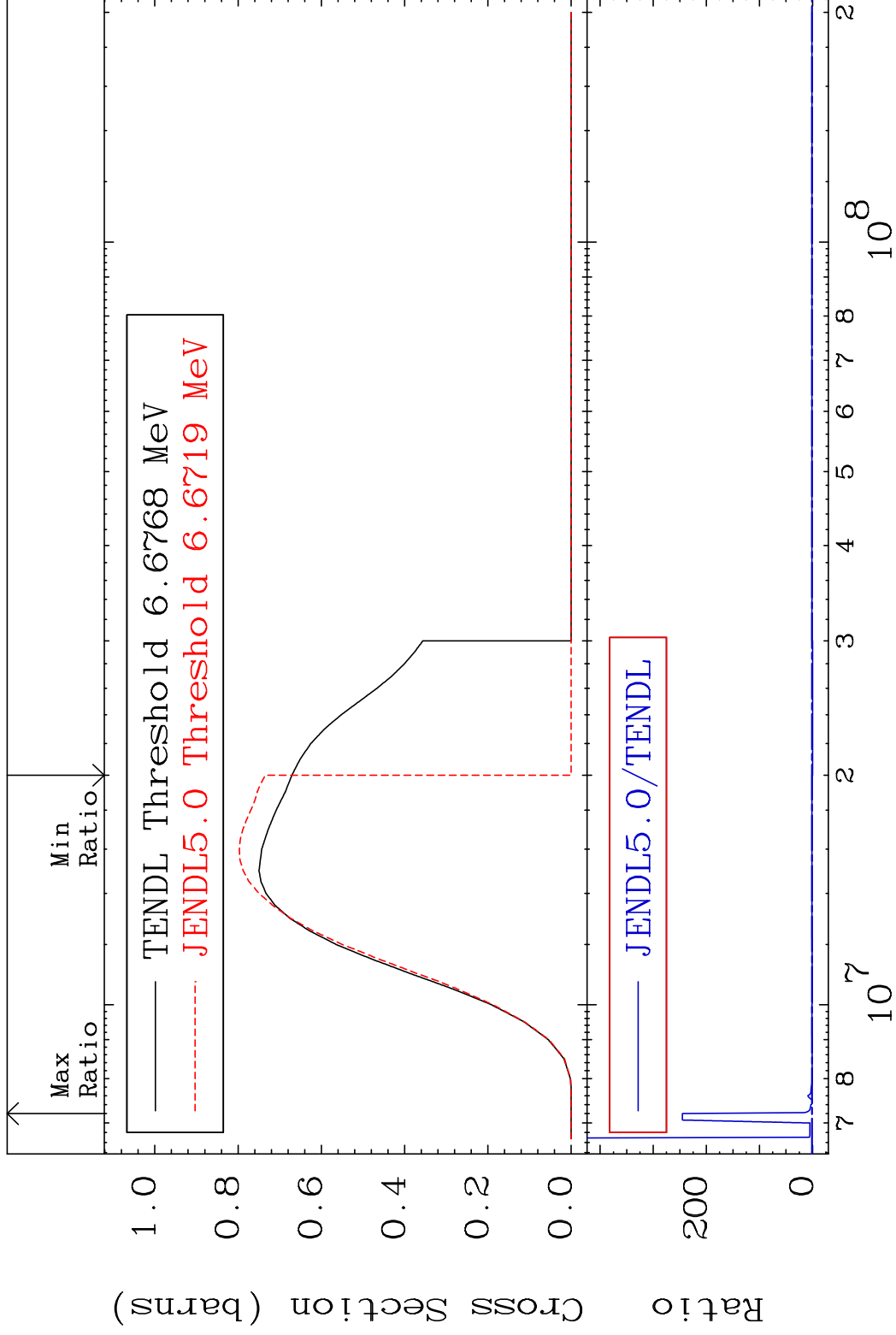
25-Mn-52

MAT 2516

(n, n') p

25-Mn-52

Cross Section -100.0 To 9999. %

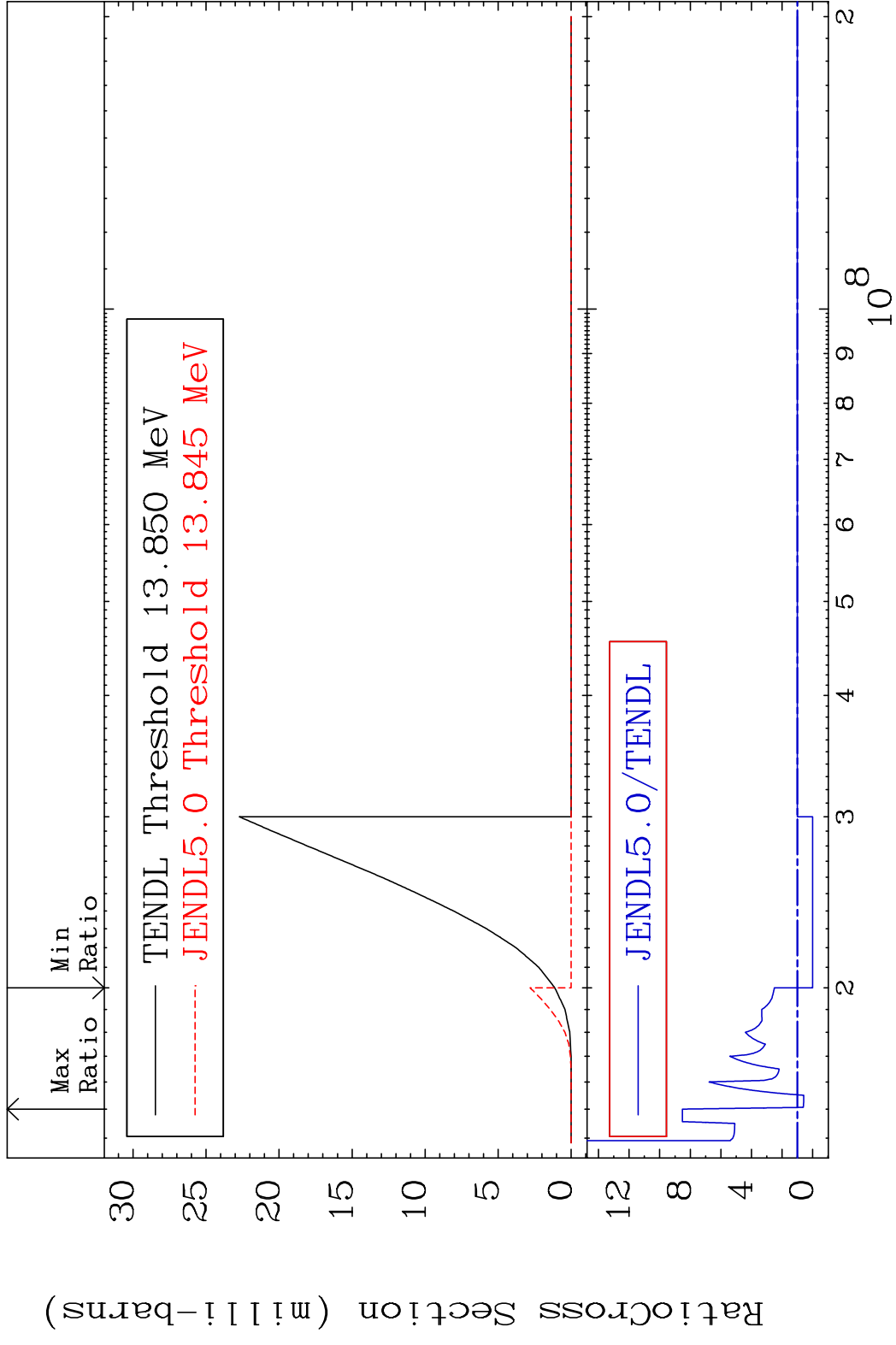


7

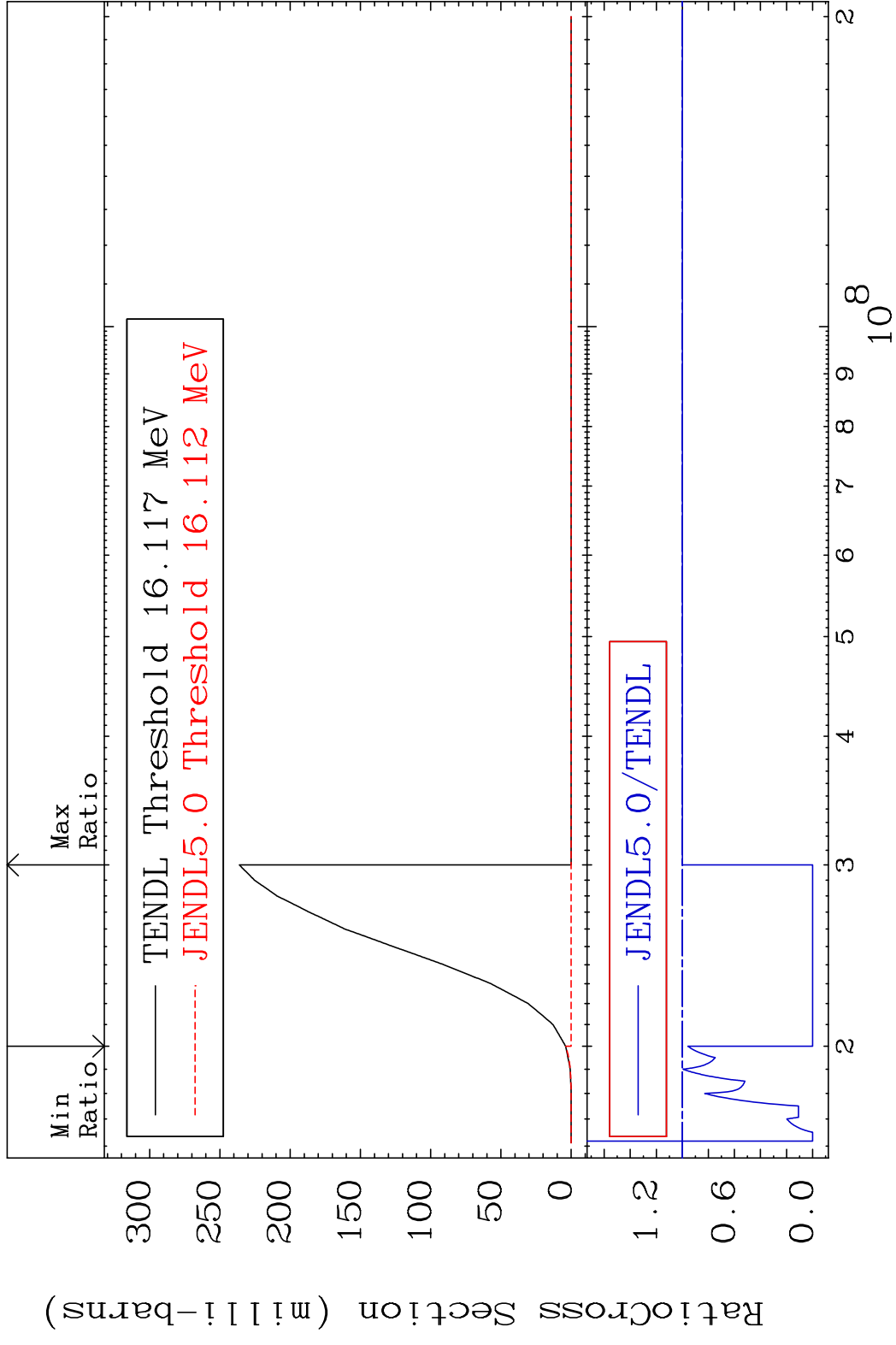
Incident Energy (eV)

25-Mn-52

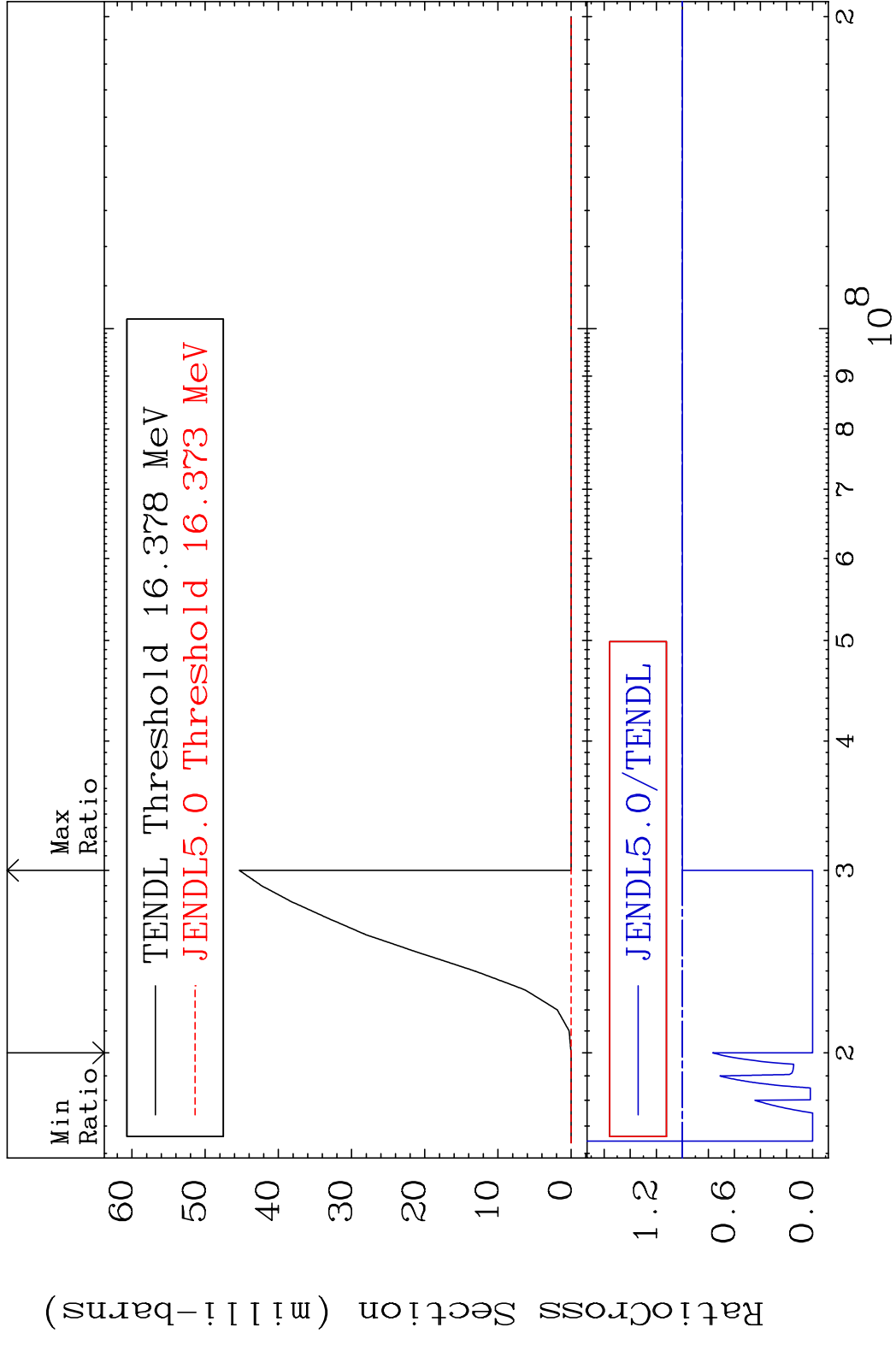
MAT 2516 (n, n') d 25-Mn-52
 Cross Section -100.0 To 751.8 %



MAT 2516 (n,2n) p 25-Mn-52
 Cross Section -100.0 To 0.000 %

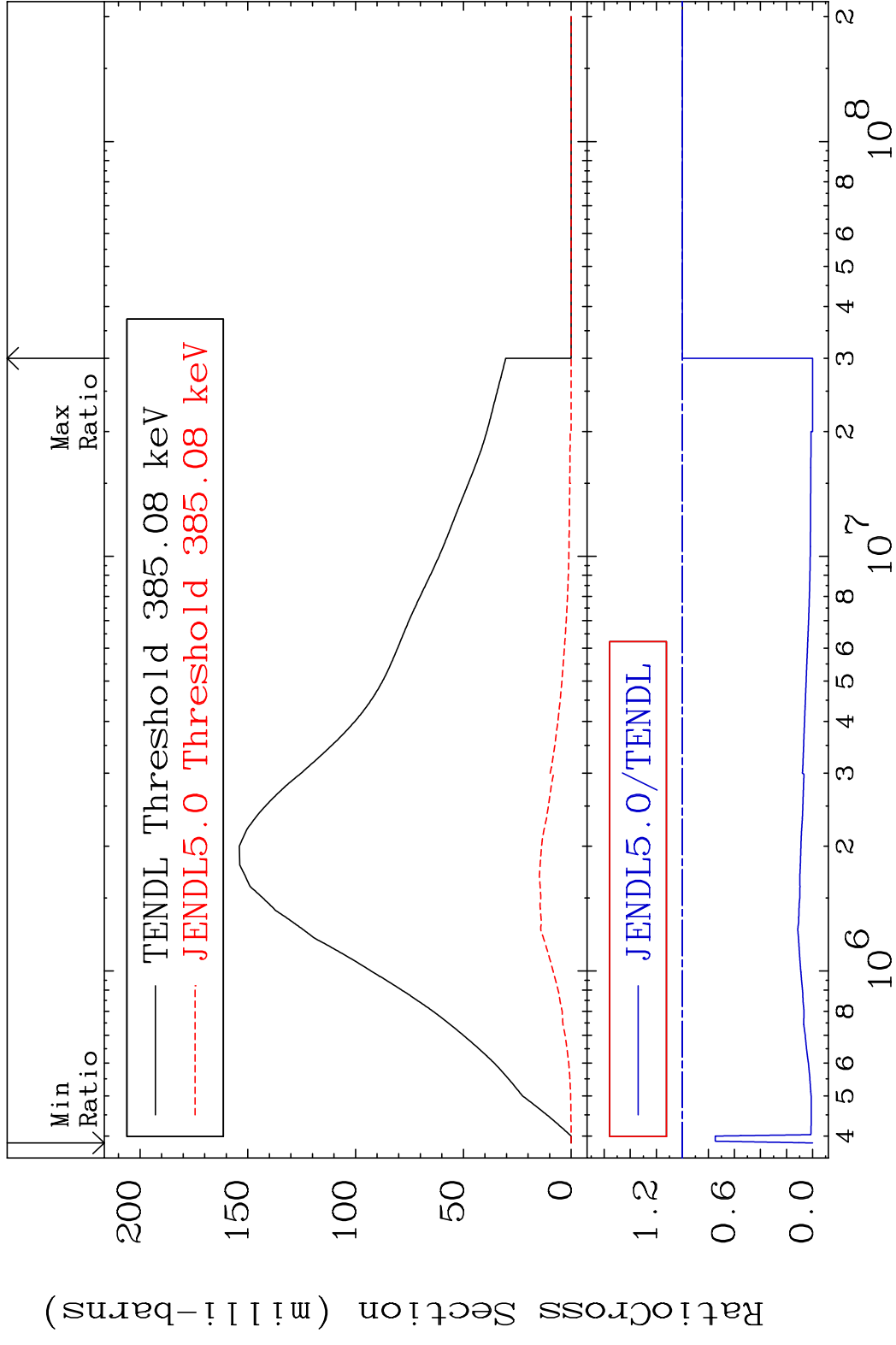


MAT 2516 (n,2n) p 25-Mn-52
 Cross Section -100.0 To 0.000 %

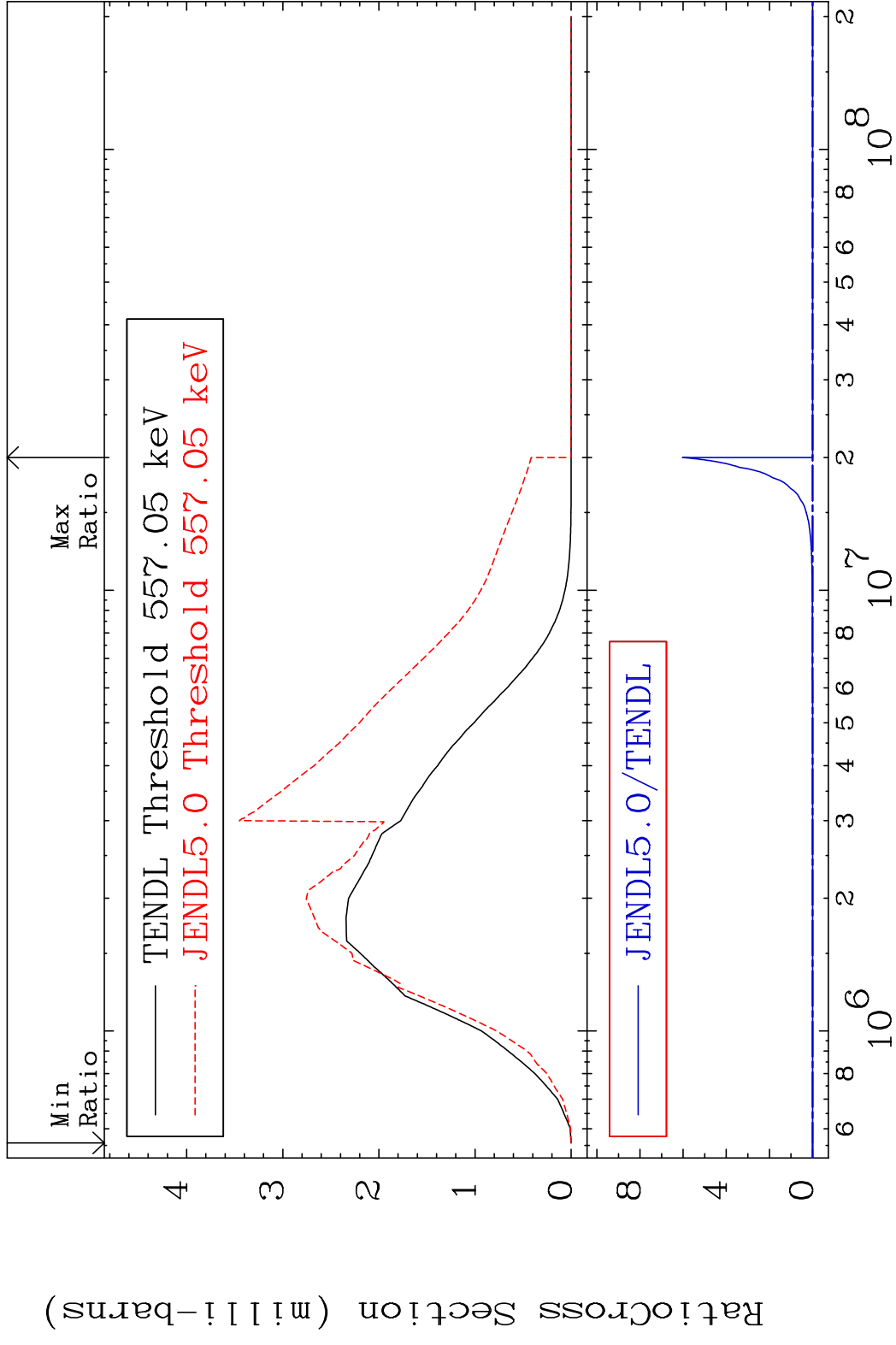


10 25-Mn-52

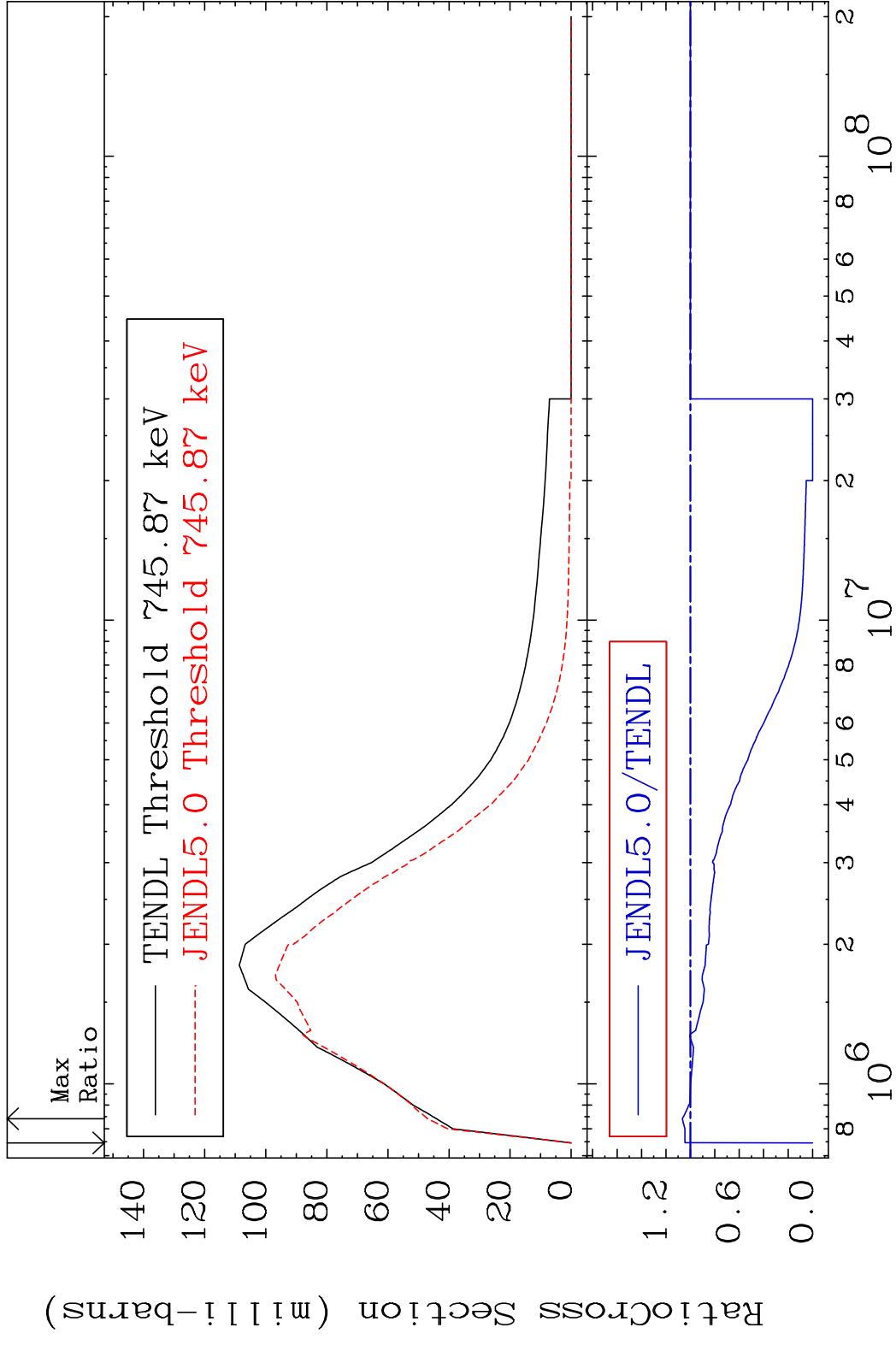
MAT 2516 MT= 51 (n, n') Level 25-Mn-52
 Cross Section -100.0 To 0.000 %



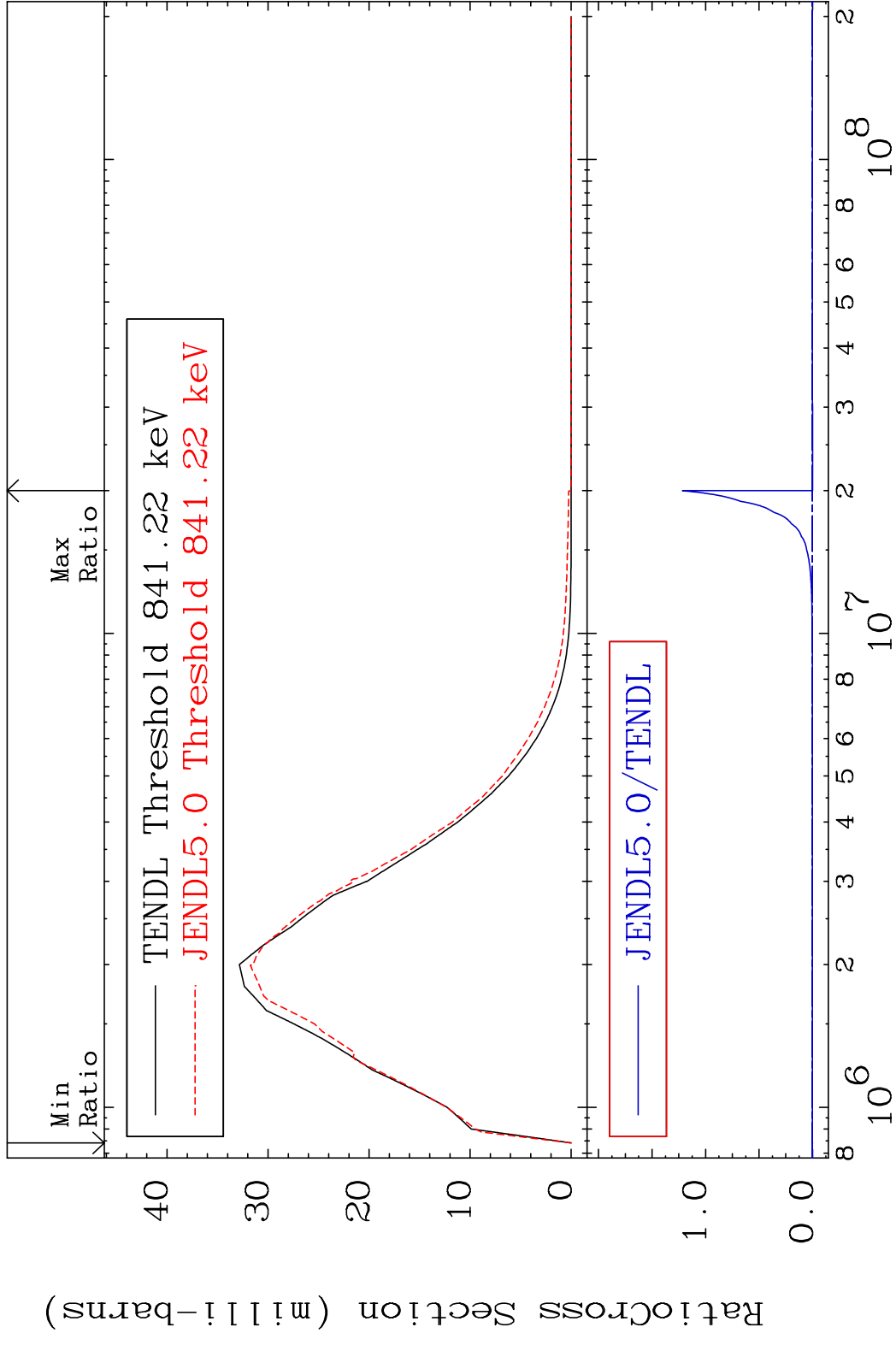
MAT 2516 MT= 52 (n, n') Level 25-Mn-52
 Cross Section -100.0 To 9999. %



MAT 2516 MT= 53 (n, n') Level 25-Mn-52
 Cross Section -100.0 To 6.558 %

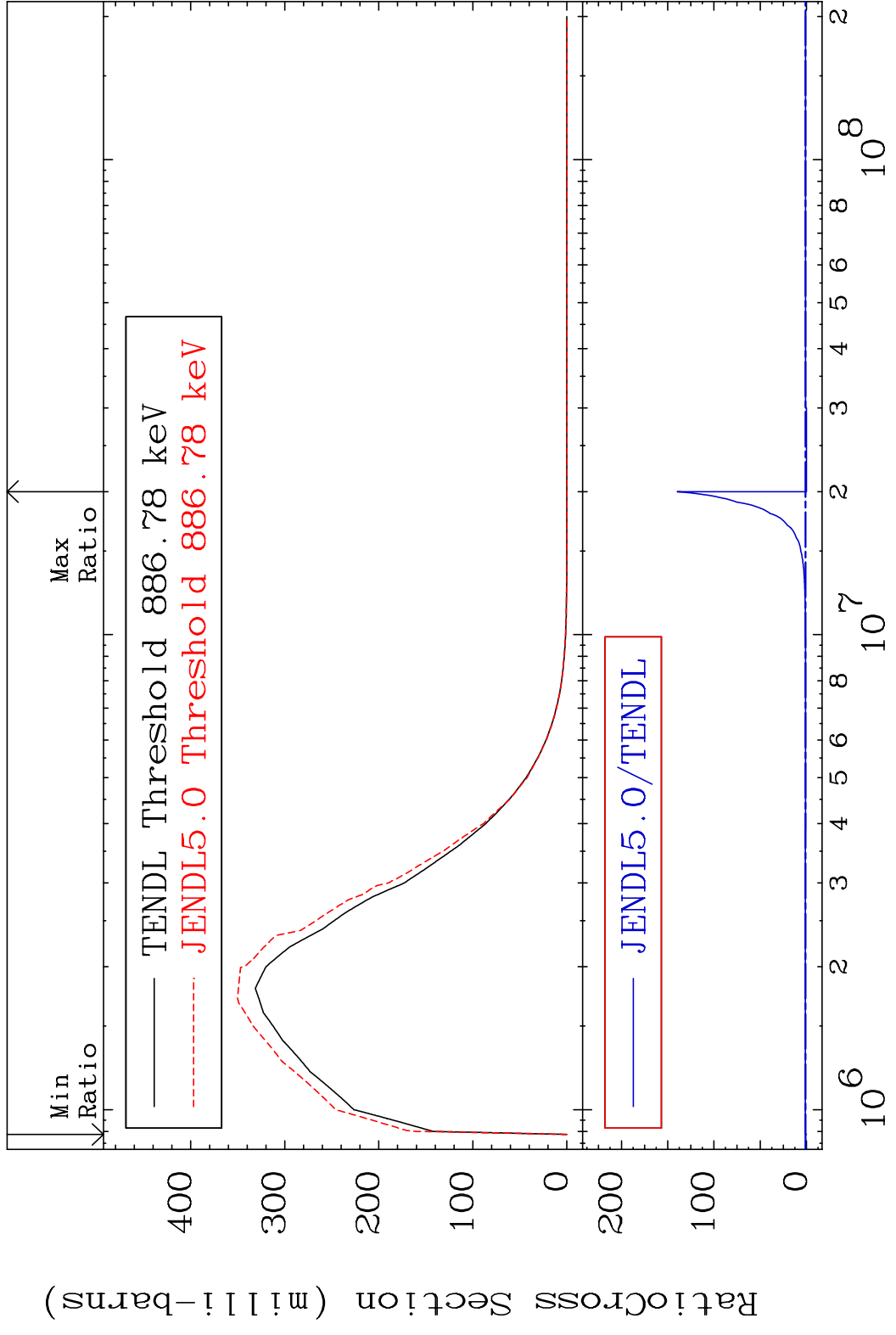


MAT 2516 MT= 54 (n, n') Level 25-Mn-52
 Cross Section -100.0 To 9999. %



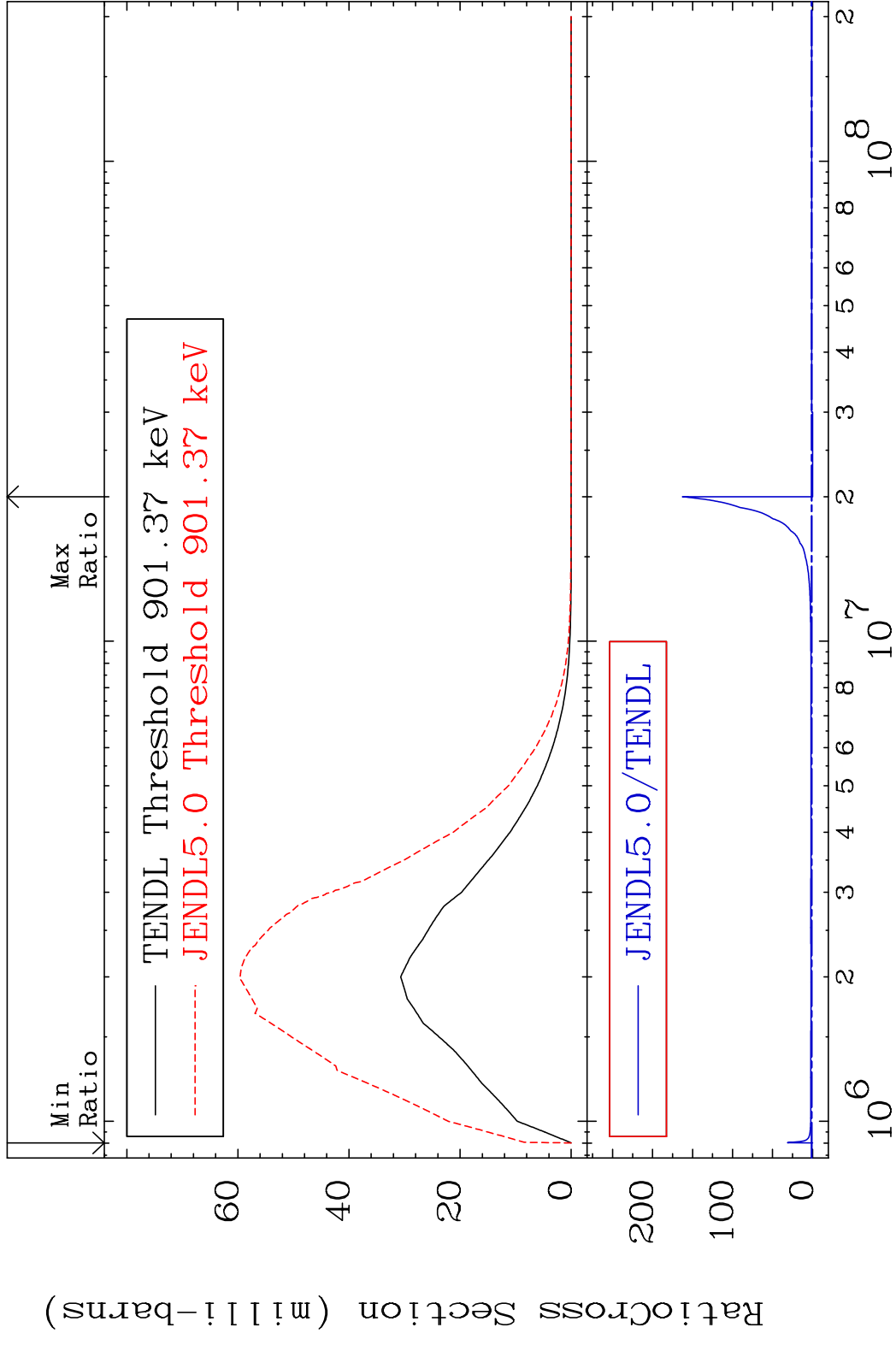
14 Incident Energy (eV) 25-Mn-52

MAT 2516 MT= 55 (n, n') Level 25-Mn-52
Cross Section -100.0 To 9999. %



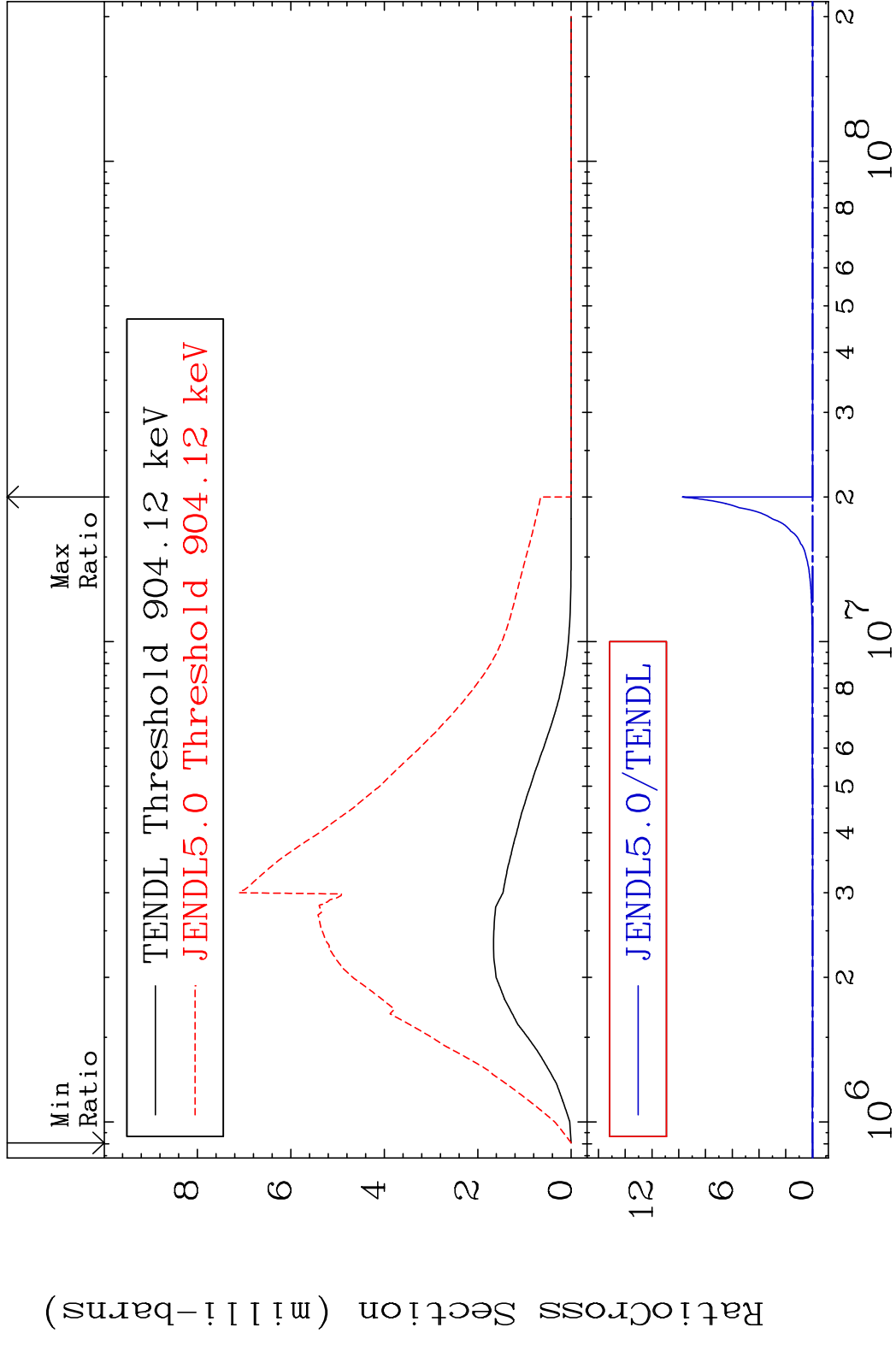
15 Incident Energy (eV) 25-Mn-52

MAT 2516 MT= 56 (n, n') Level 25-Mn-52
 Cross Section -100.0 To 9999. %



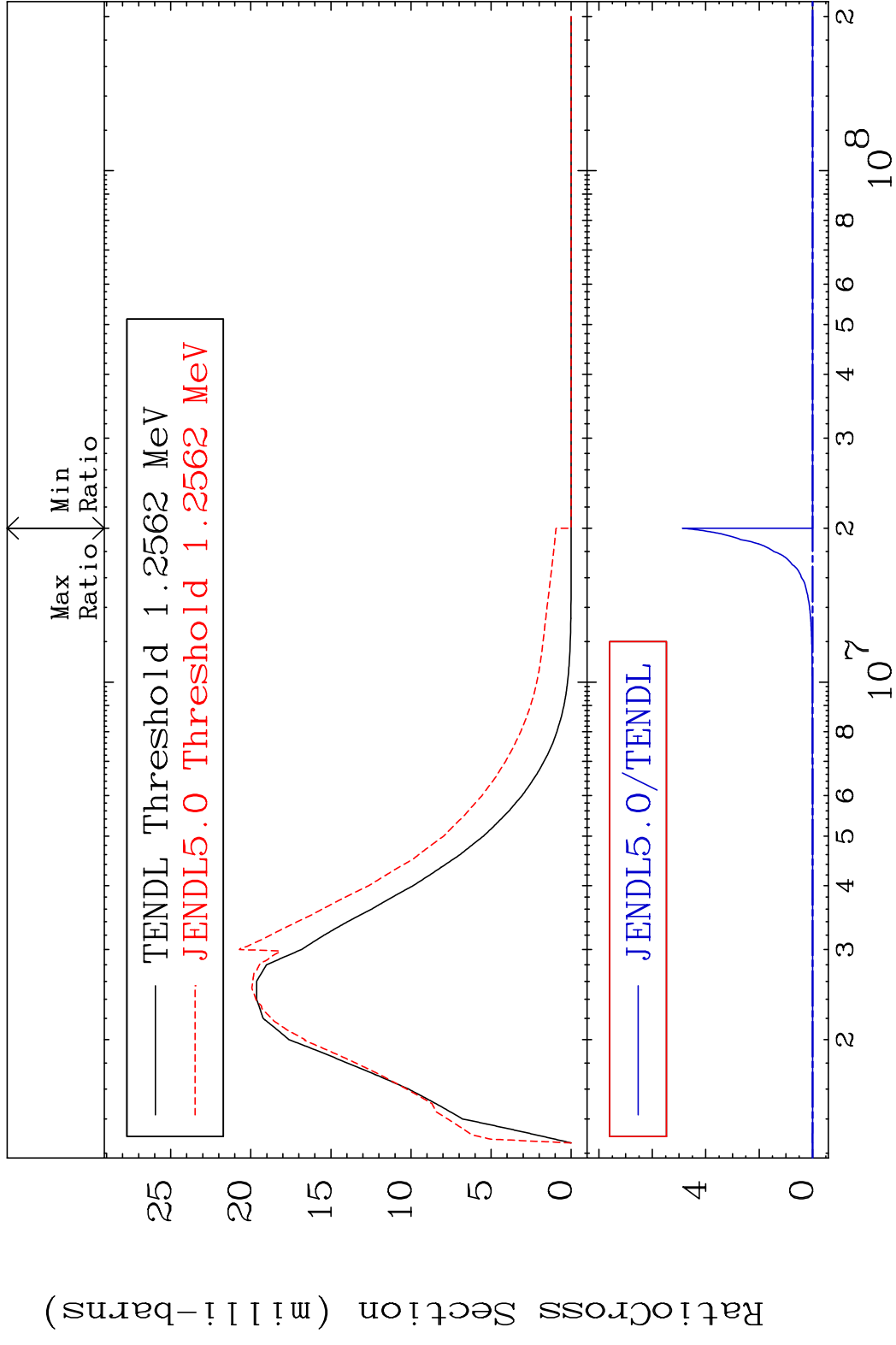
16 Incident Energy (eV) 25-Mn-52

MAT 2516 MT= 57 (n, n') Level 25-Mn-52
 Cross Section -100.0 To 9999. %

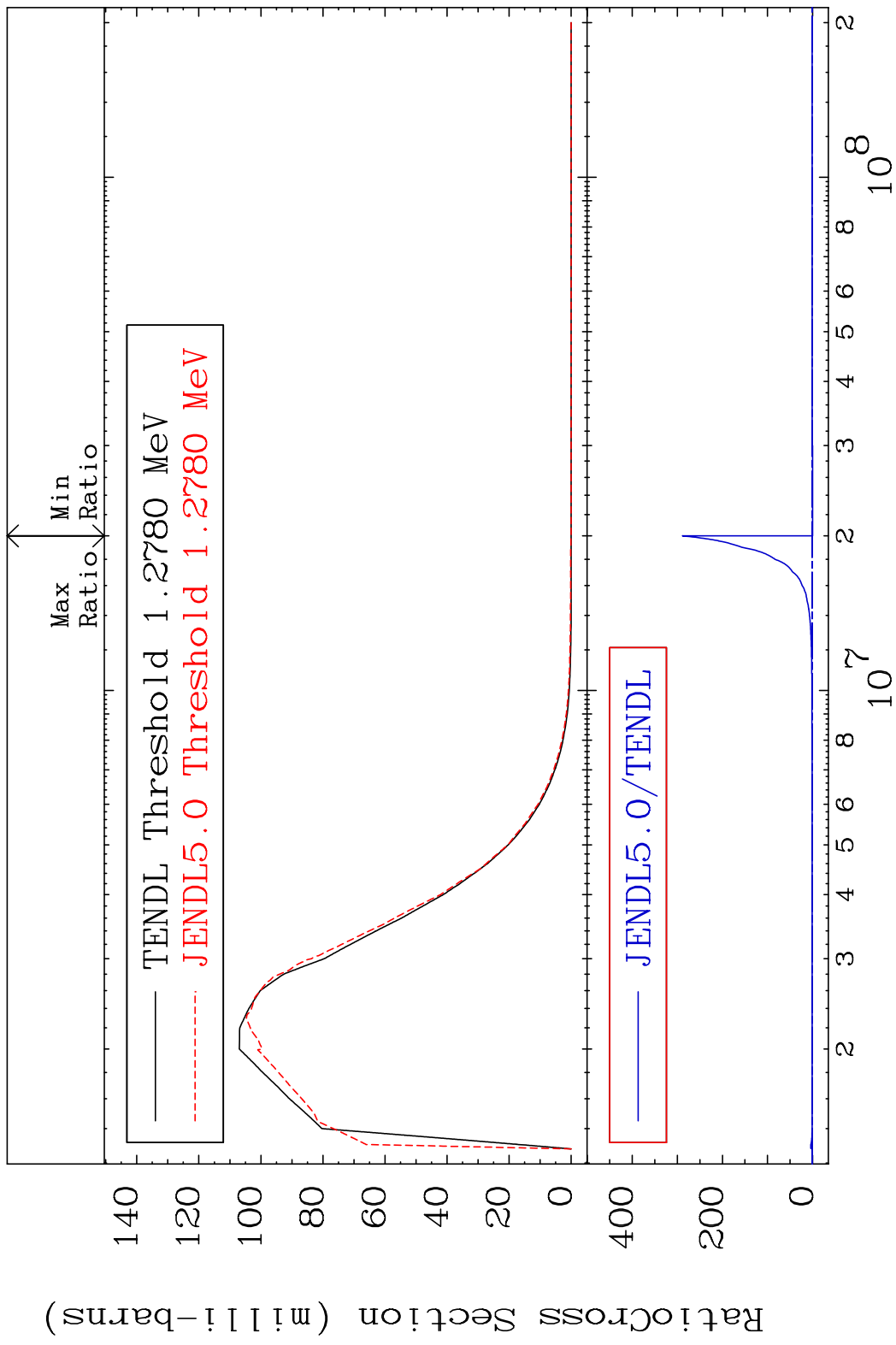


17 25-Mn-52

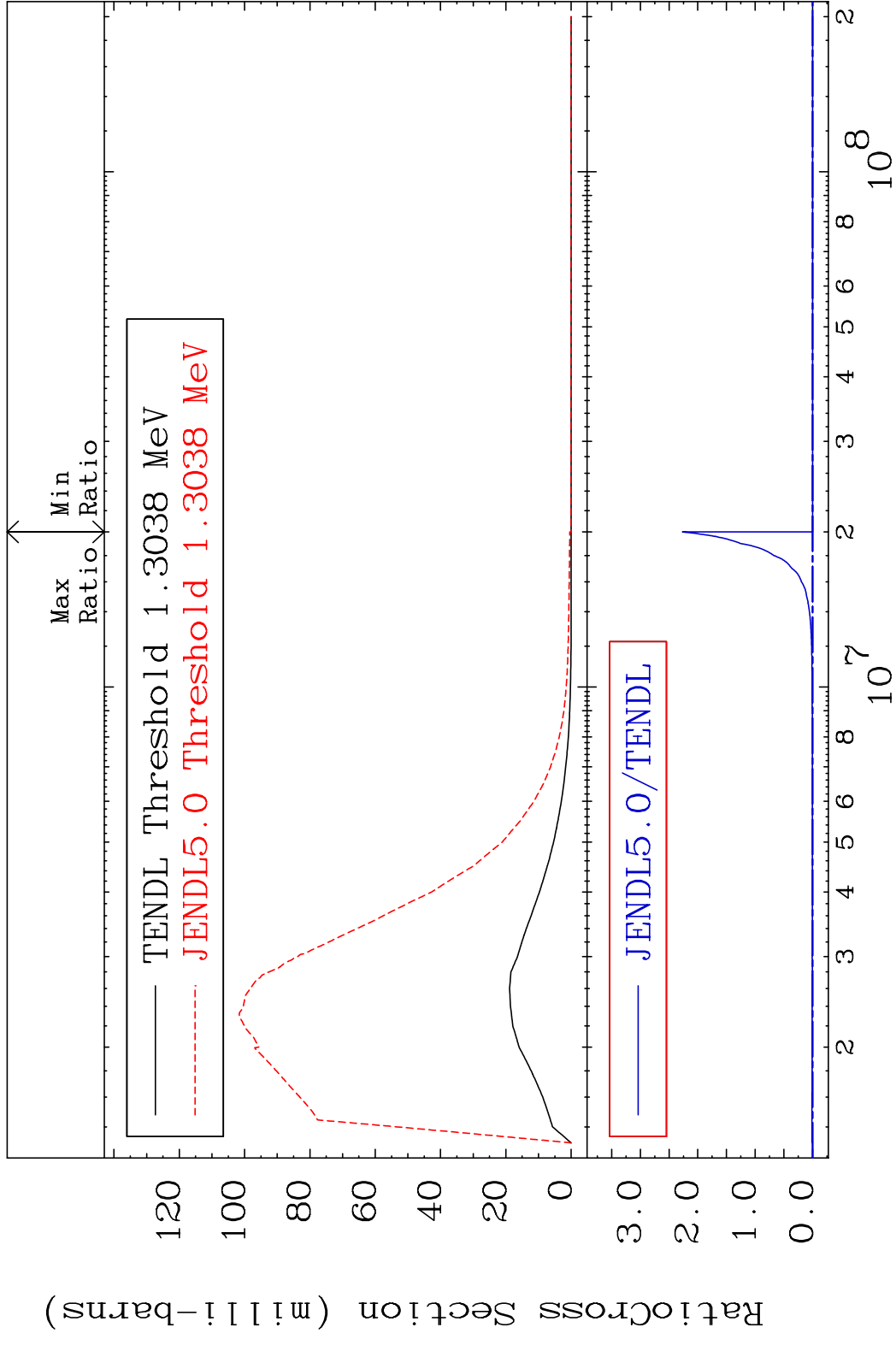
MAT 2516 MT= 58 (n, n') Level 25-Mn-52
 Cross Section -100.0 To 9999. %



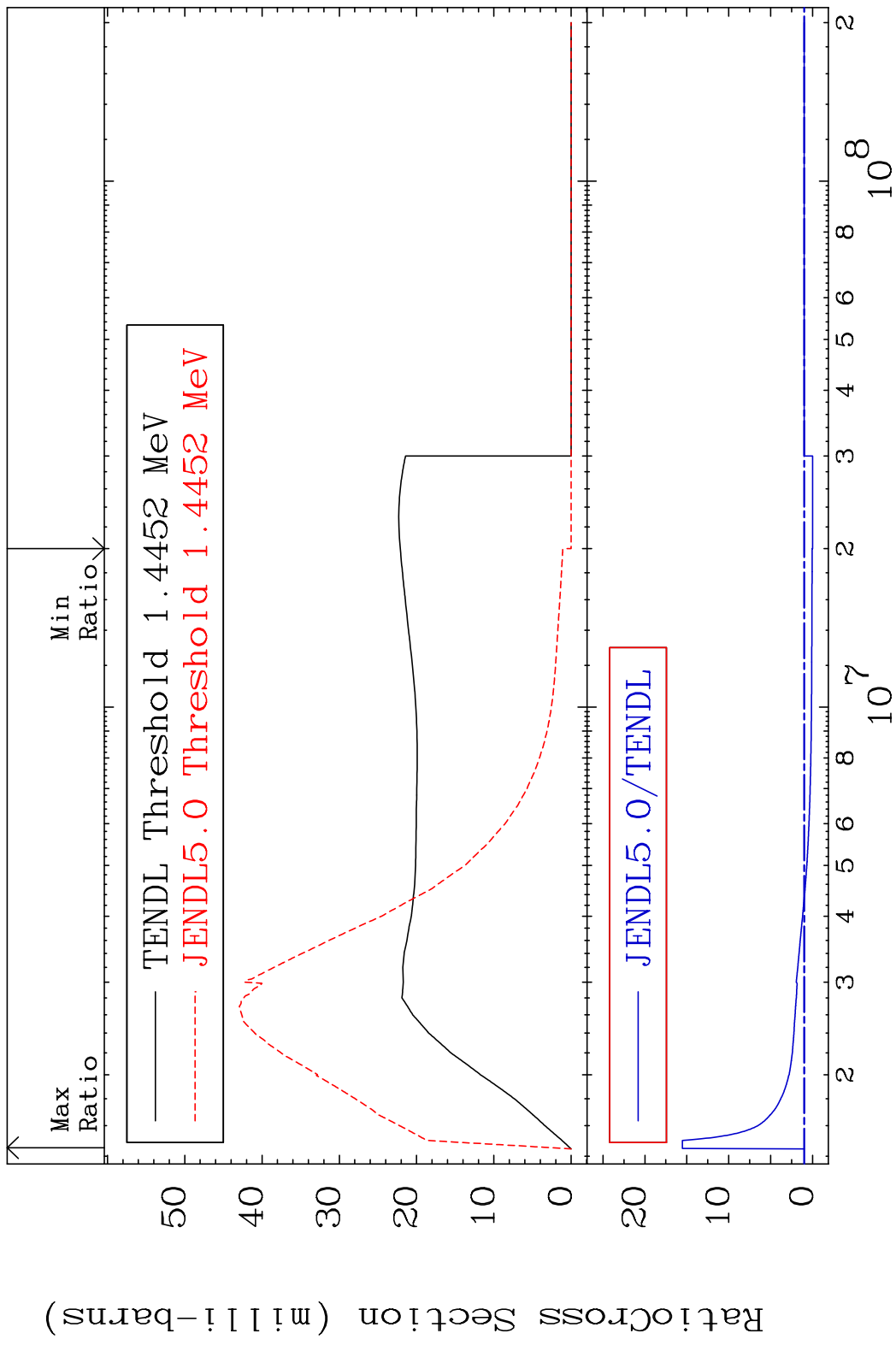
MAT 2516 MT= 59 (n, n') Level 25-Mn-52
 Cross Section -100.0 To 9999. %



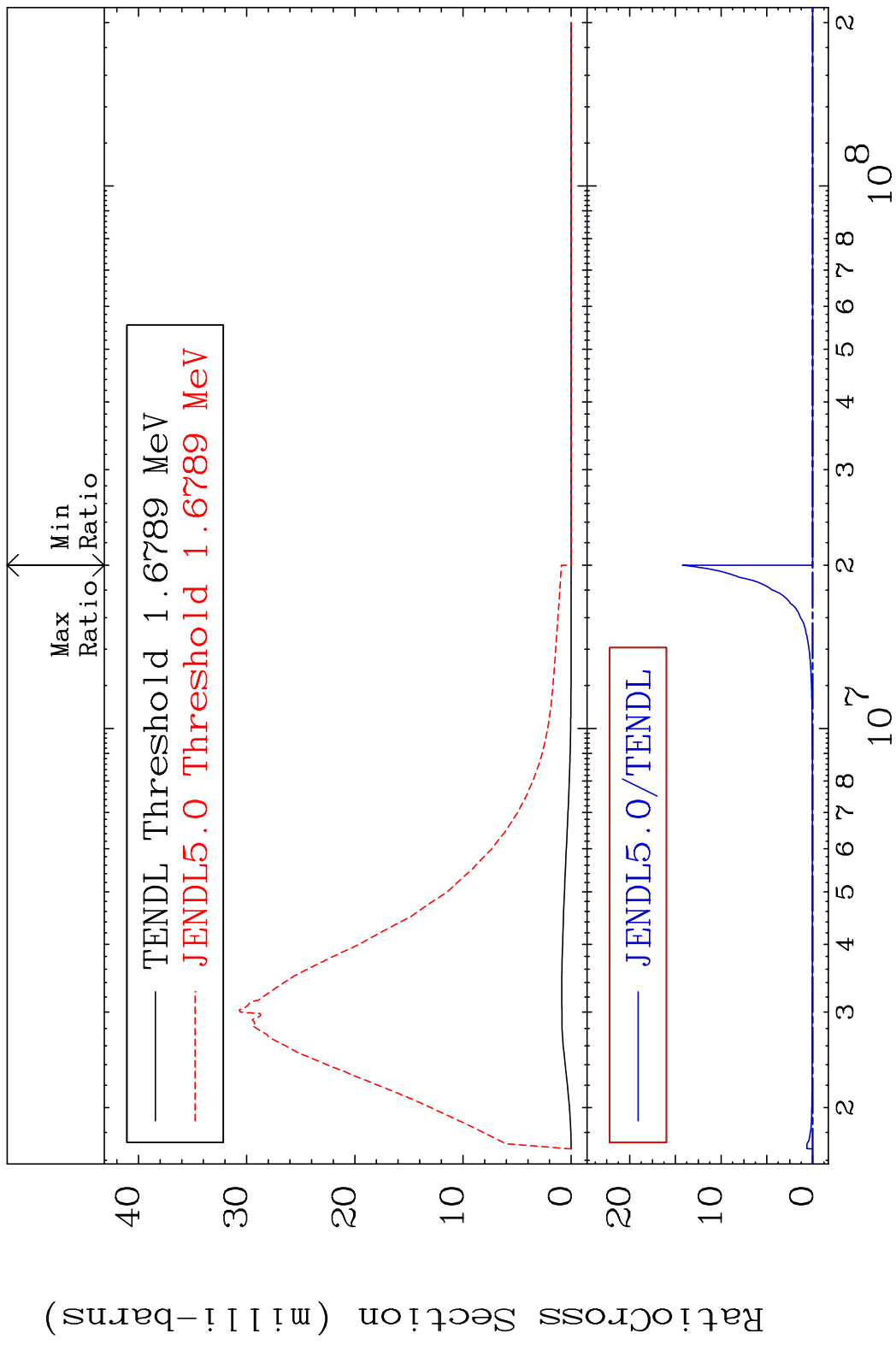
MAT 2516 MT= 60 (n, n') Level 25-Mn-52
 Cross Section -100.0 To 9999. %



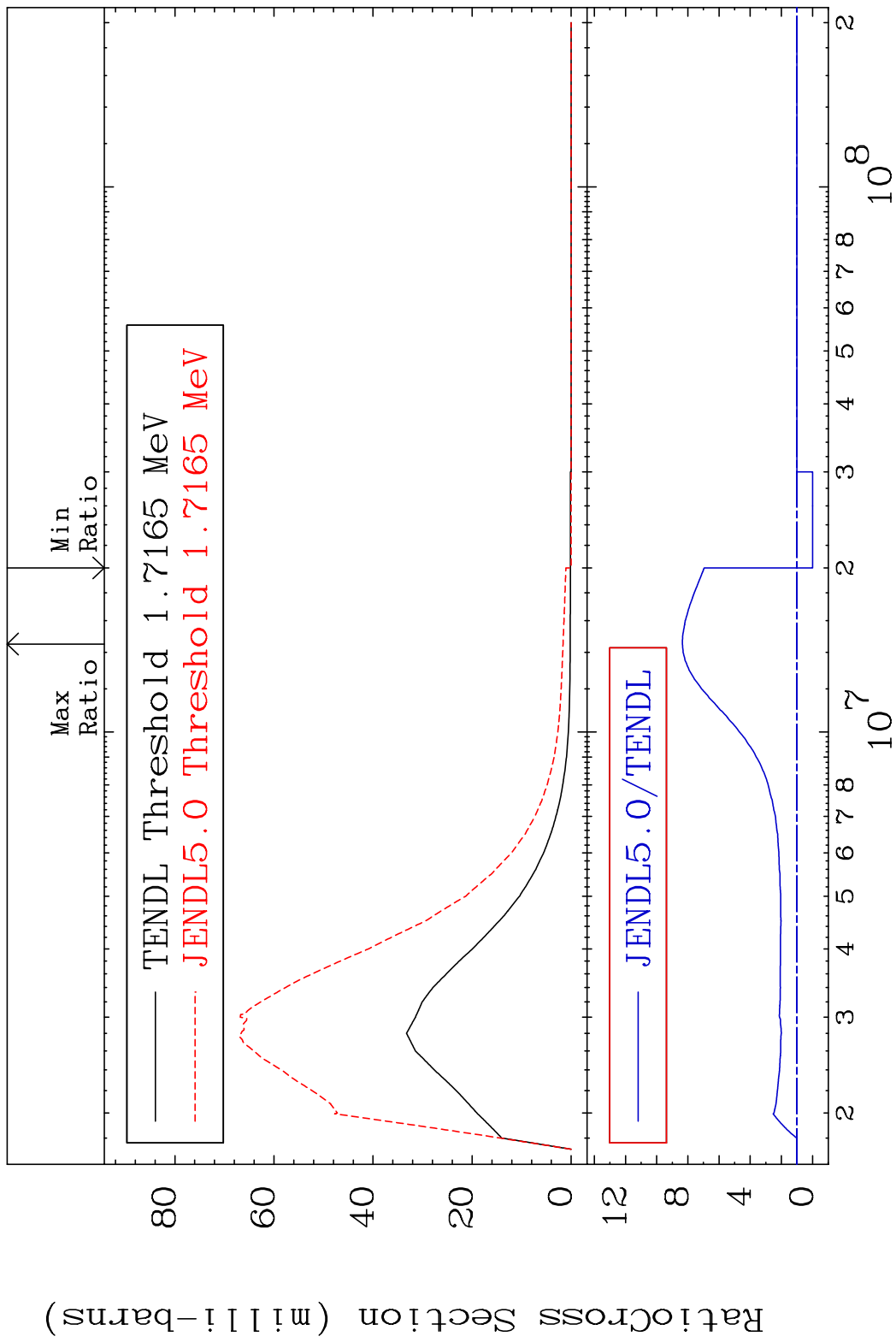
MAT 2516 MT= 61 (n, n') Level 25-Mn-52
 Cross Section -100.0 To 1453. %



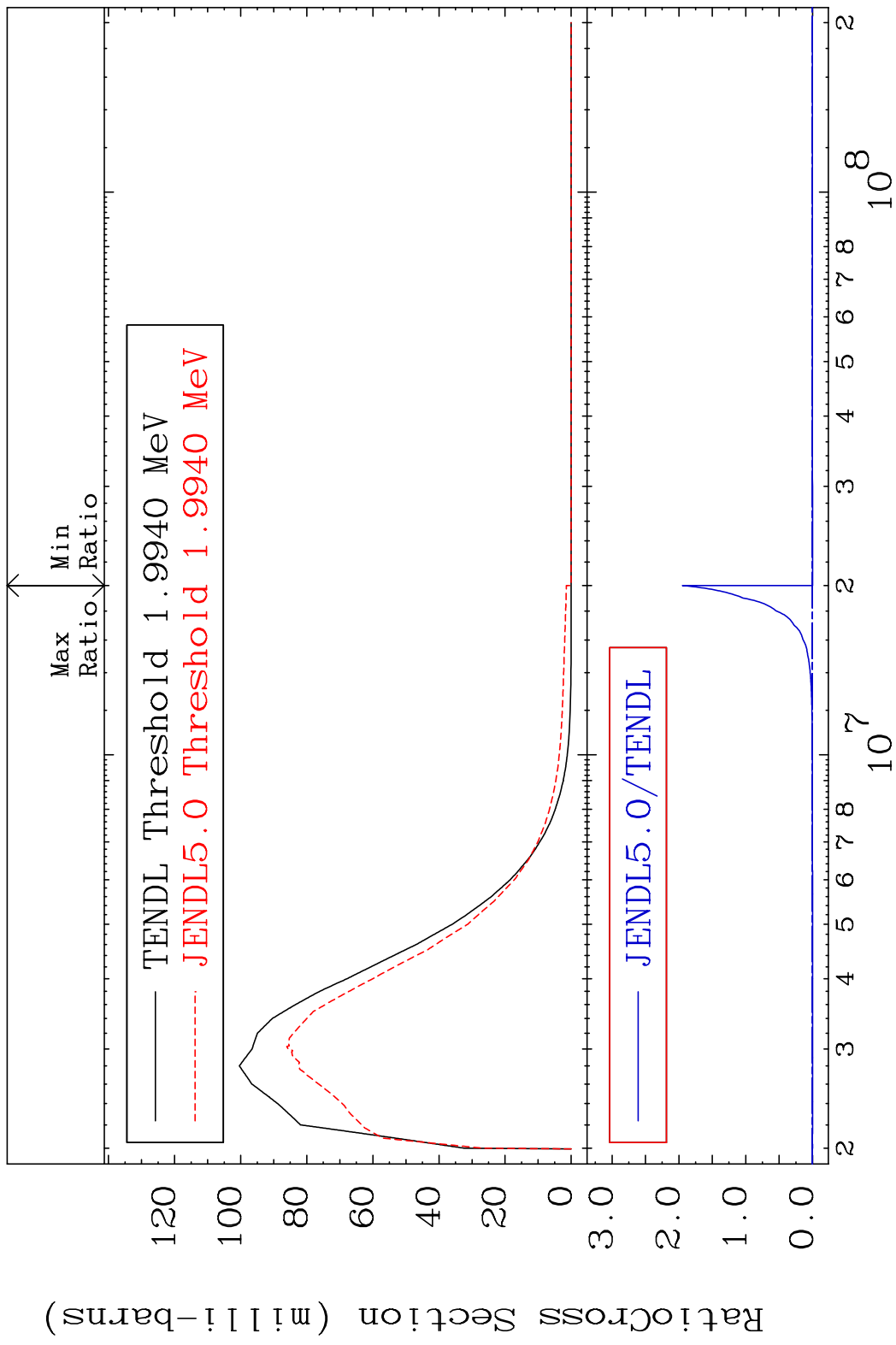
MAT 2516 MT= 62 (n, n') Level 25-Mn-52
 Cross Section -100.0 To 9999. %



MAT 2516 MT= 63 (n, n') Level 25-Mn-52
 Cross Section -100.0 To 735.4 %

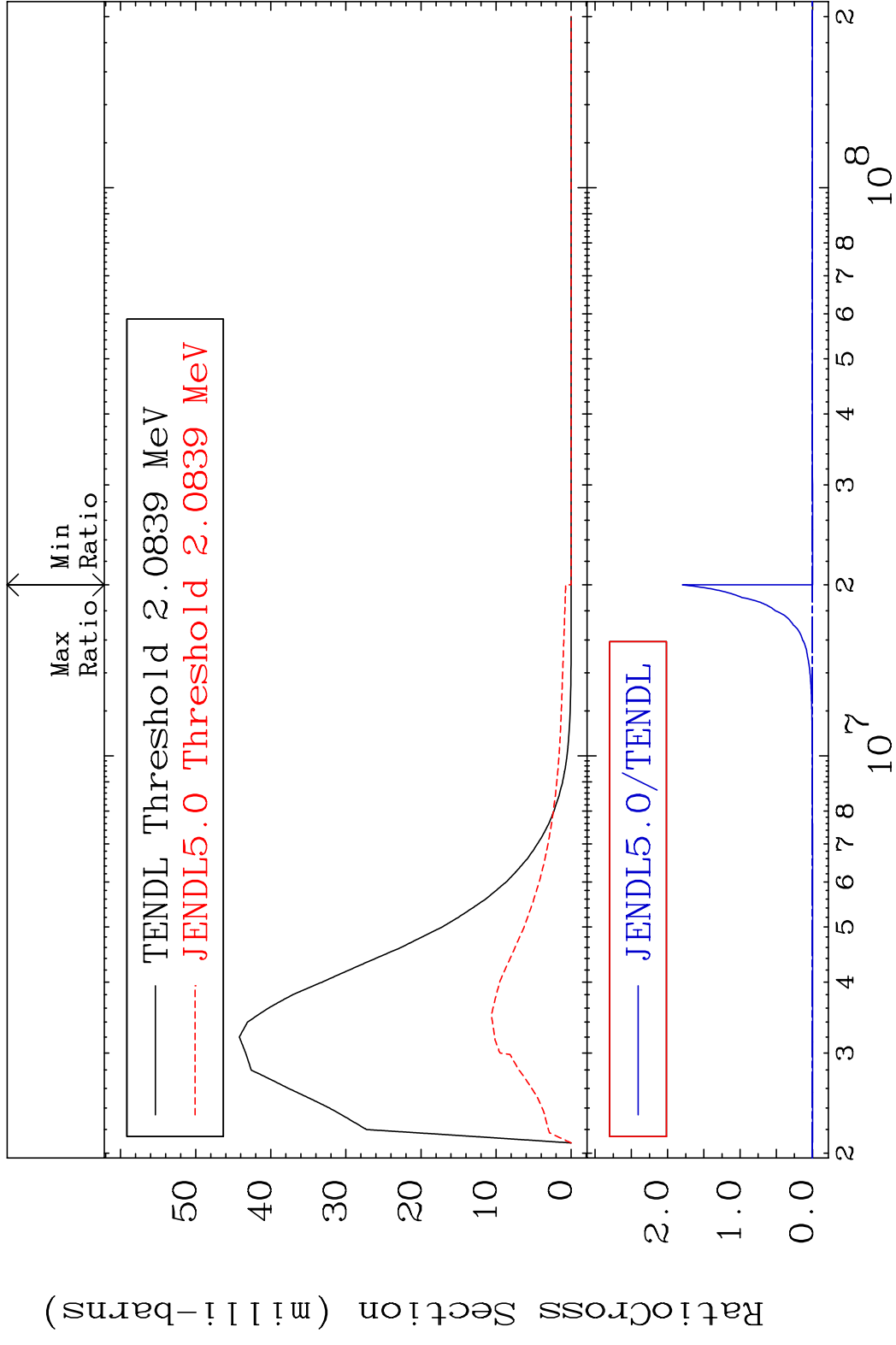


MAT 2516 MT= 64 (n, n') Level 25-Mn-52
 Cross Section -100.0 To 9999. %

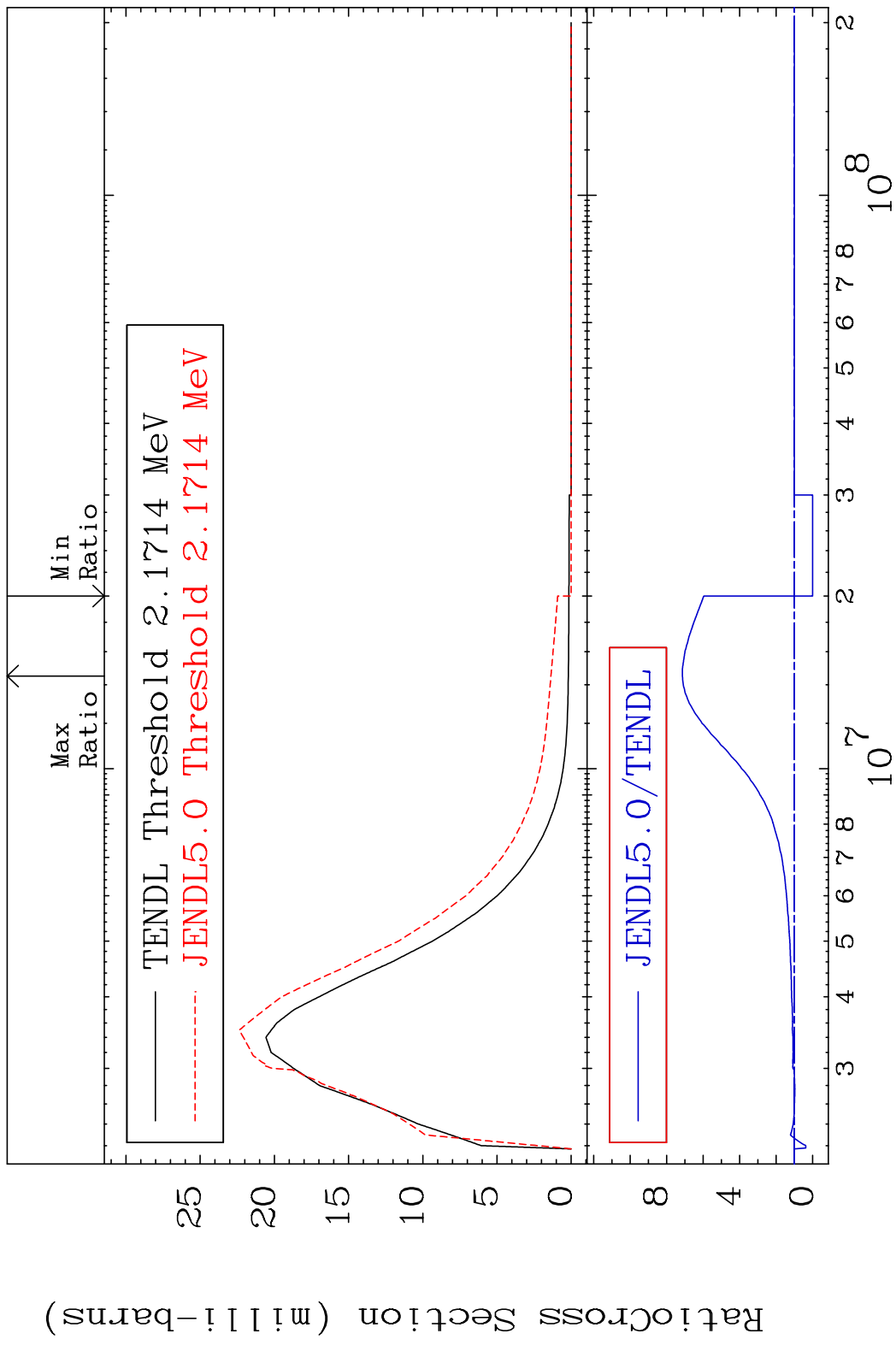


24 Incident Energy (eV) 25-Mn-52

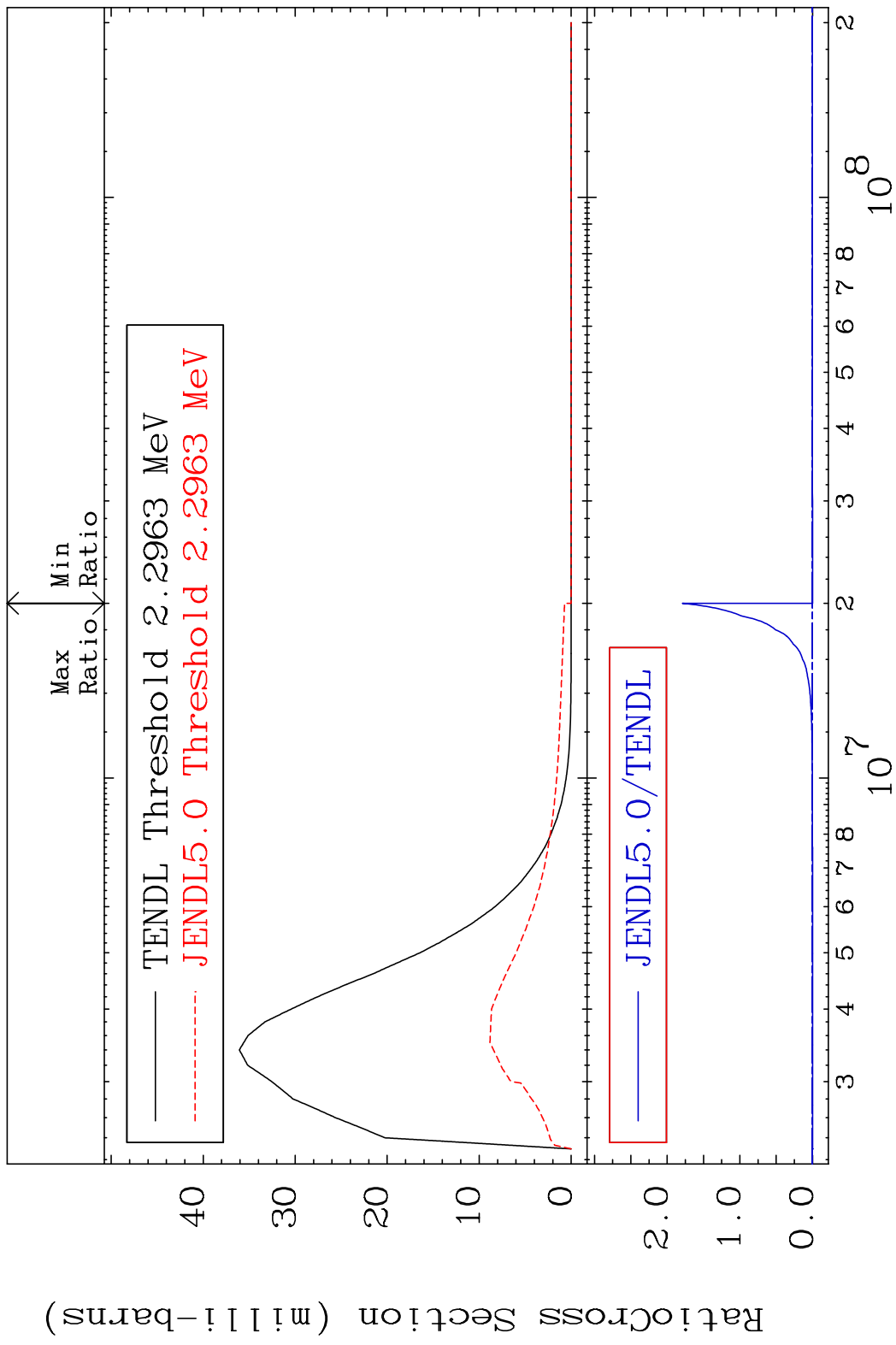
MAT 2516 MT= 65 (n, n') Level 25-Mn-52
 Cross Section -100.0 To 9999. %



MAT 2516 MT= 66 (n, n') Level 25-Mn-52
 Cross Section -100.0 To 613.7 %

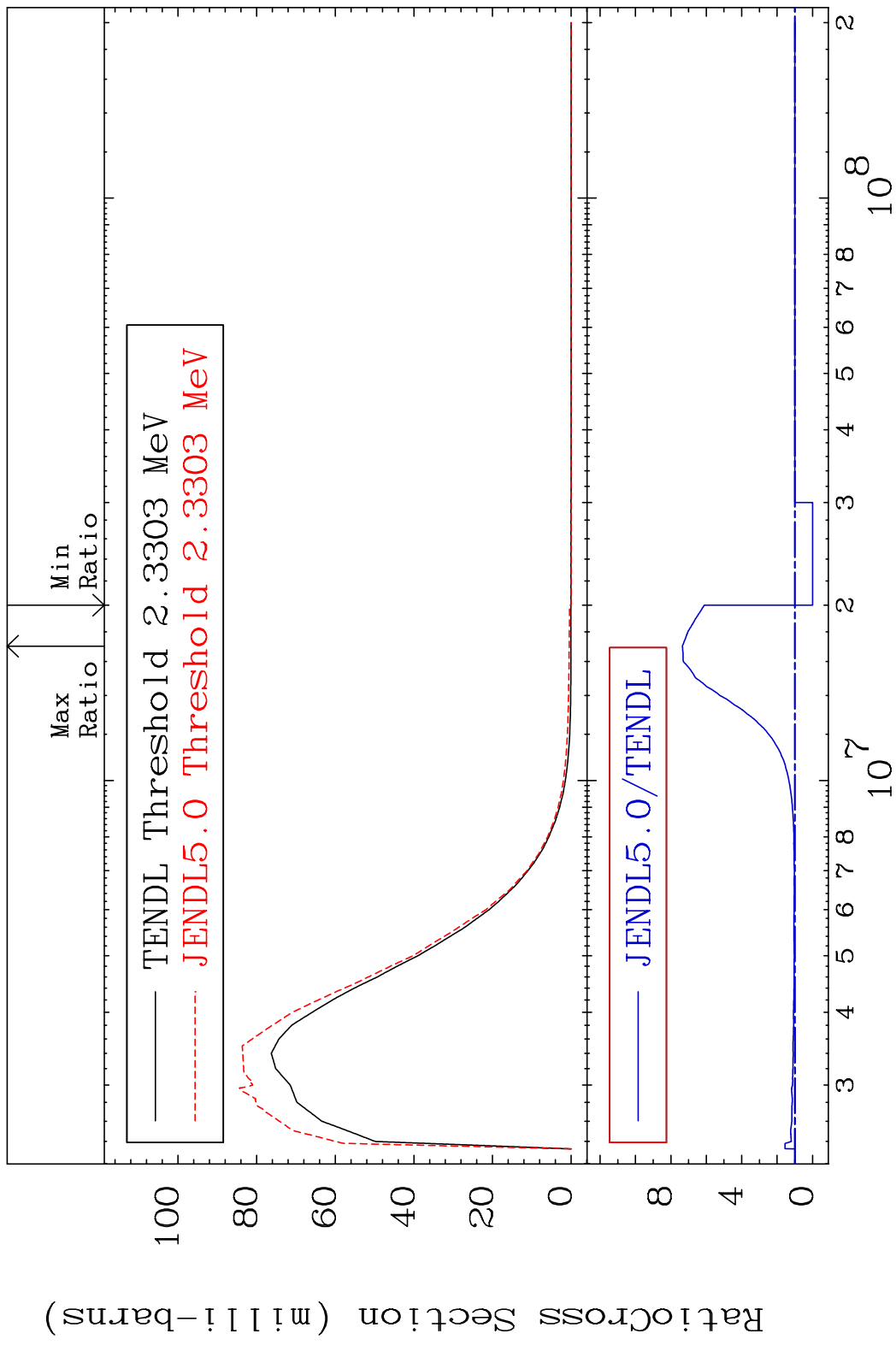


MAT 2516 MT= 67 (n, n') Level 25-Mn-52
 Cross Section -100.0 To 9999. %

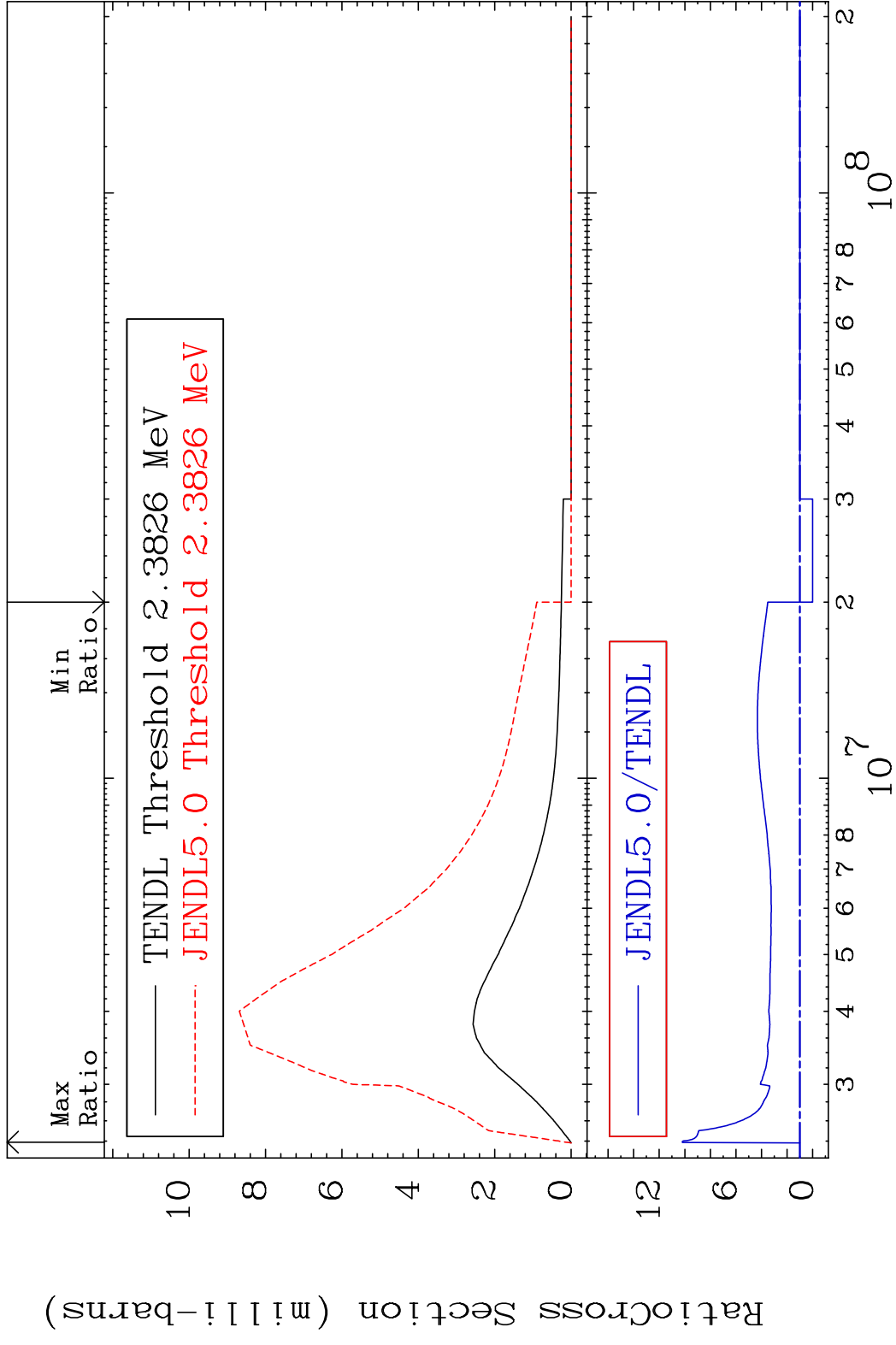


27 Incident Energy (eV) 25-Mn-52

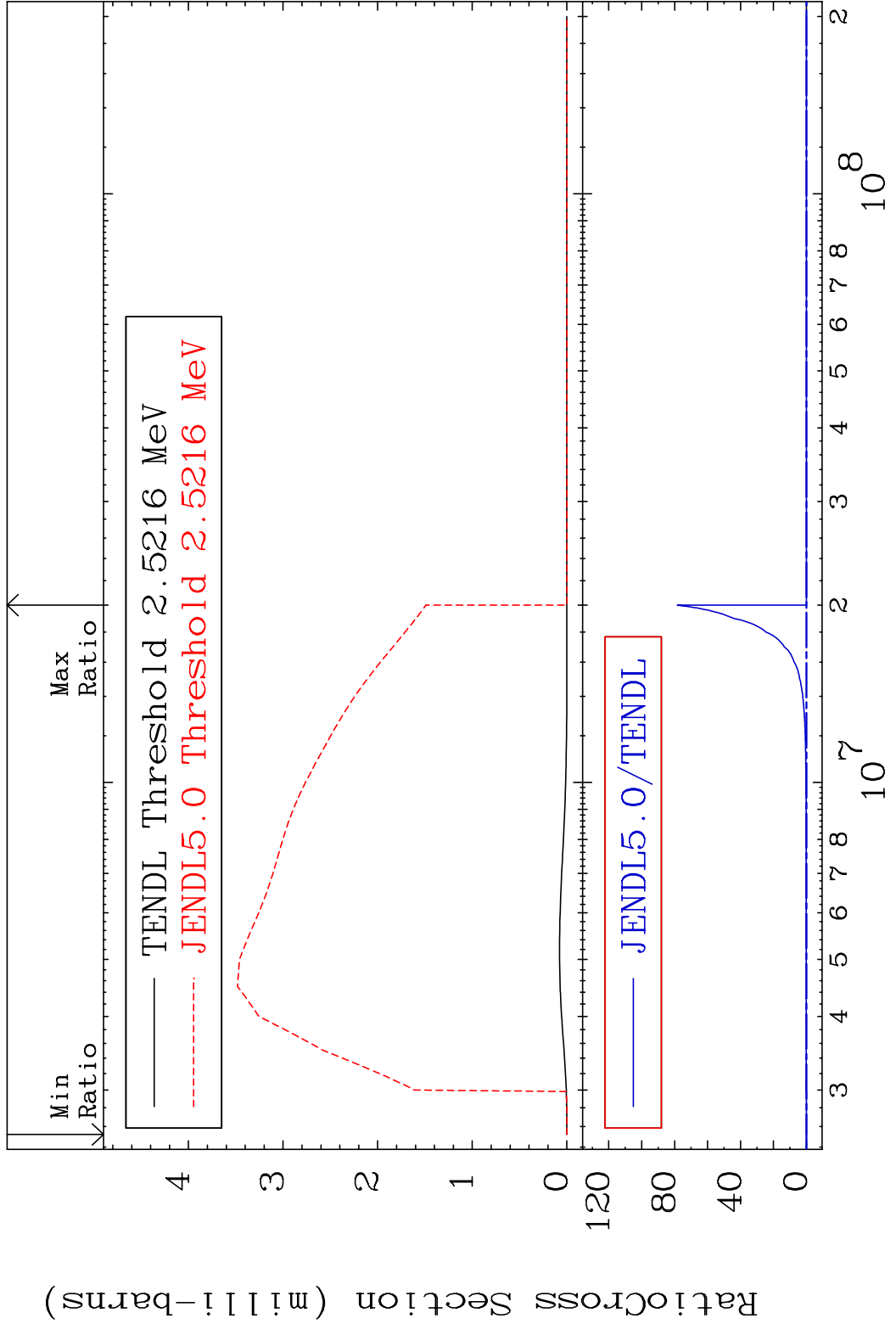
MAT 2516 MT= 68 (n, n') Level 25-Mn-52
 Cross Section -100.0 To 635.2 %



MAT 2516 MT= 69 (n, n') Level 25-Mn-52
 Cross Section -100.0 To 919.0 %

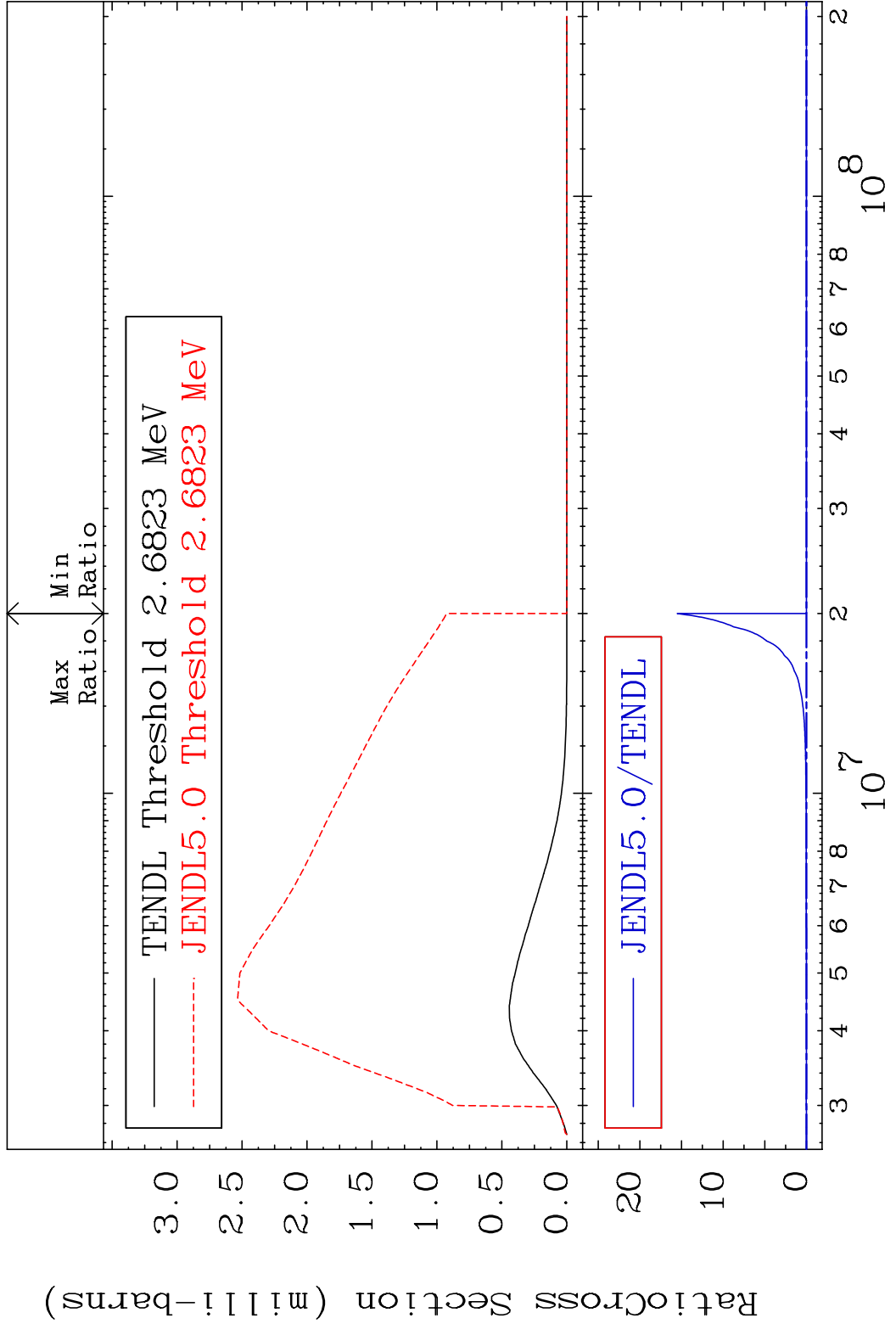


MAT 2516 MT= 70 (n, n') Level 25-Mn-52
 Cross Section -100.0 To 9999. %

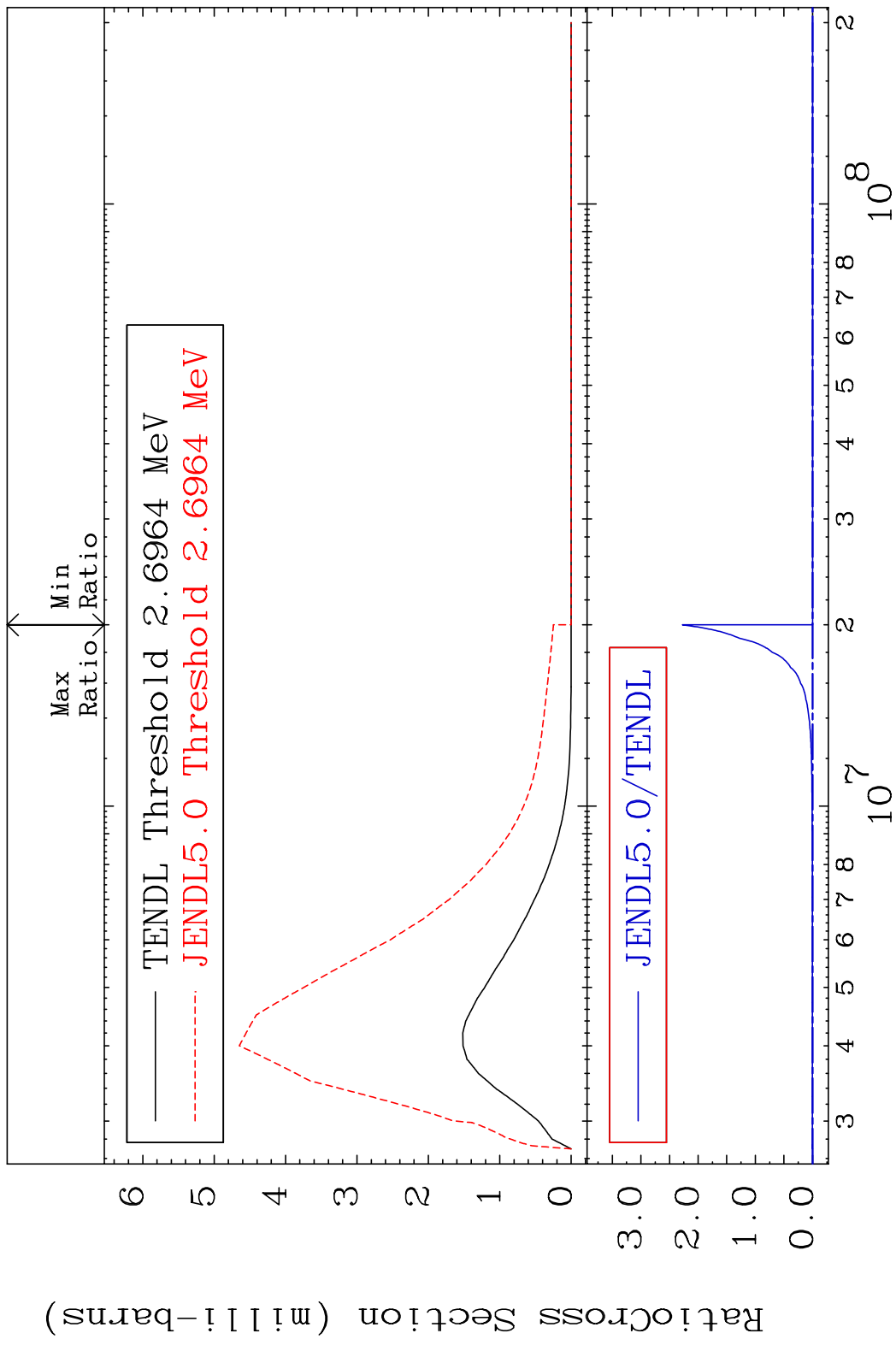


30 Incident Energy (eV) 25-Mn-52

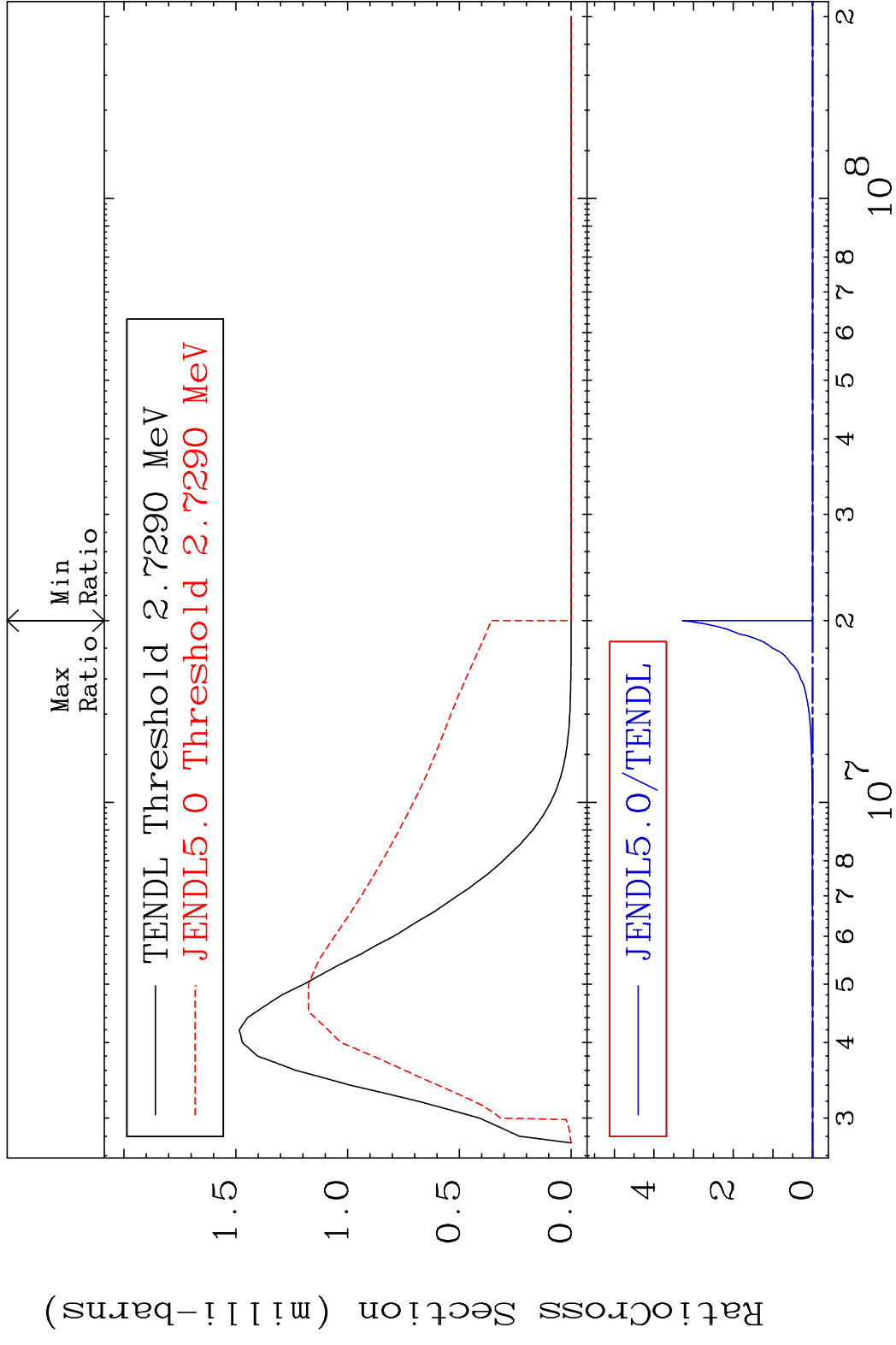
MAT 2516 MT= 71 (n, n') Level 25-Mn-52
 Cross Section -100.0 To 9999. %



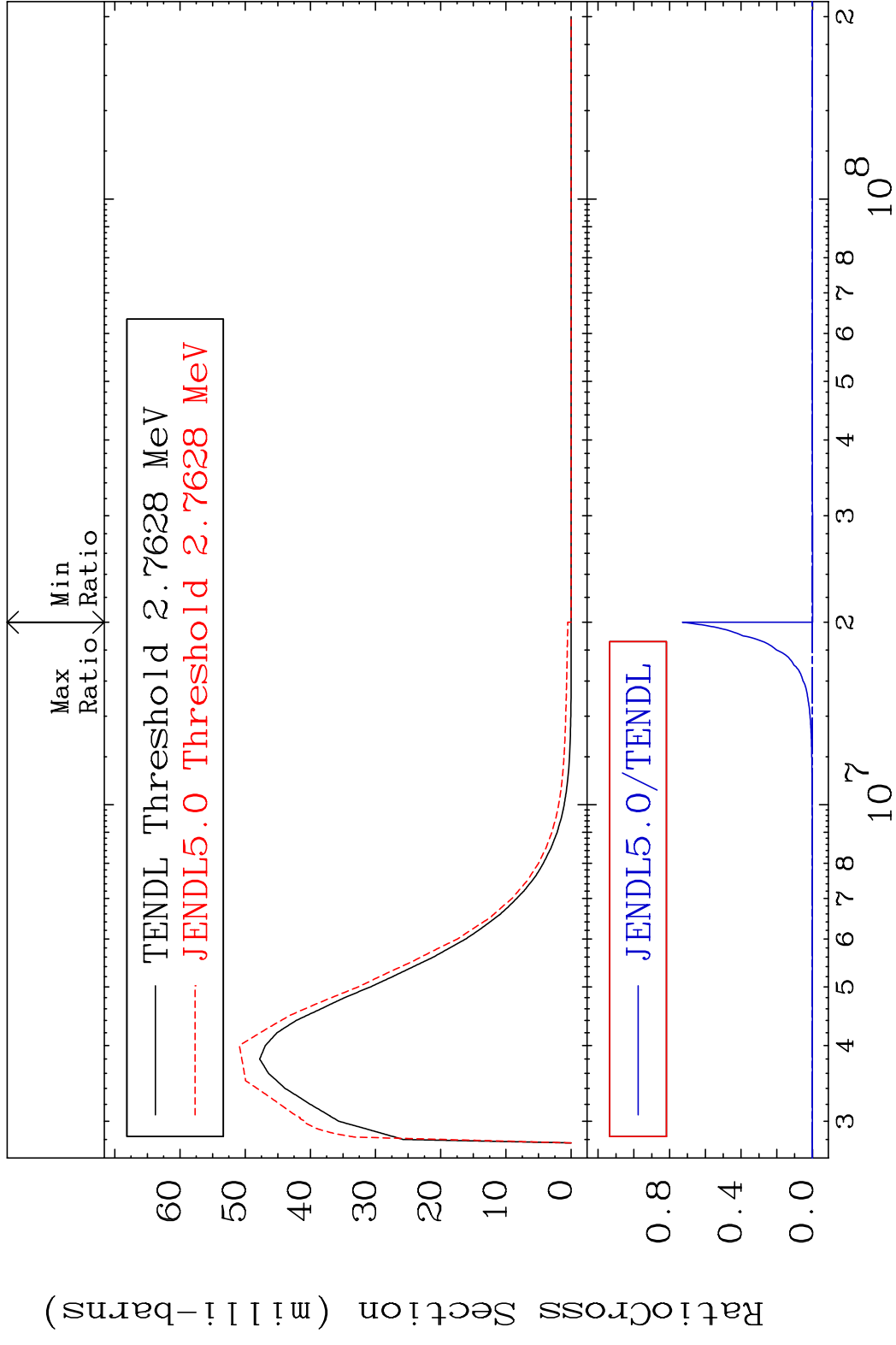
MAT 2516 MT= 72 (n, n') Level 25-Mn-52
 Cross Section -100.0 To 9999. %



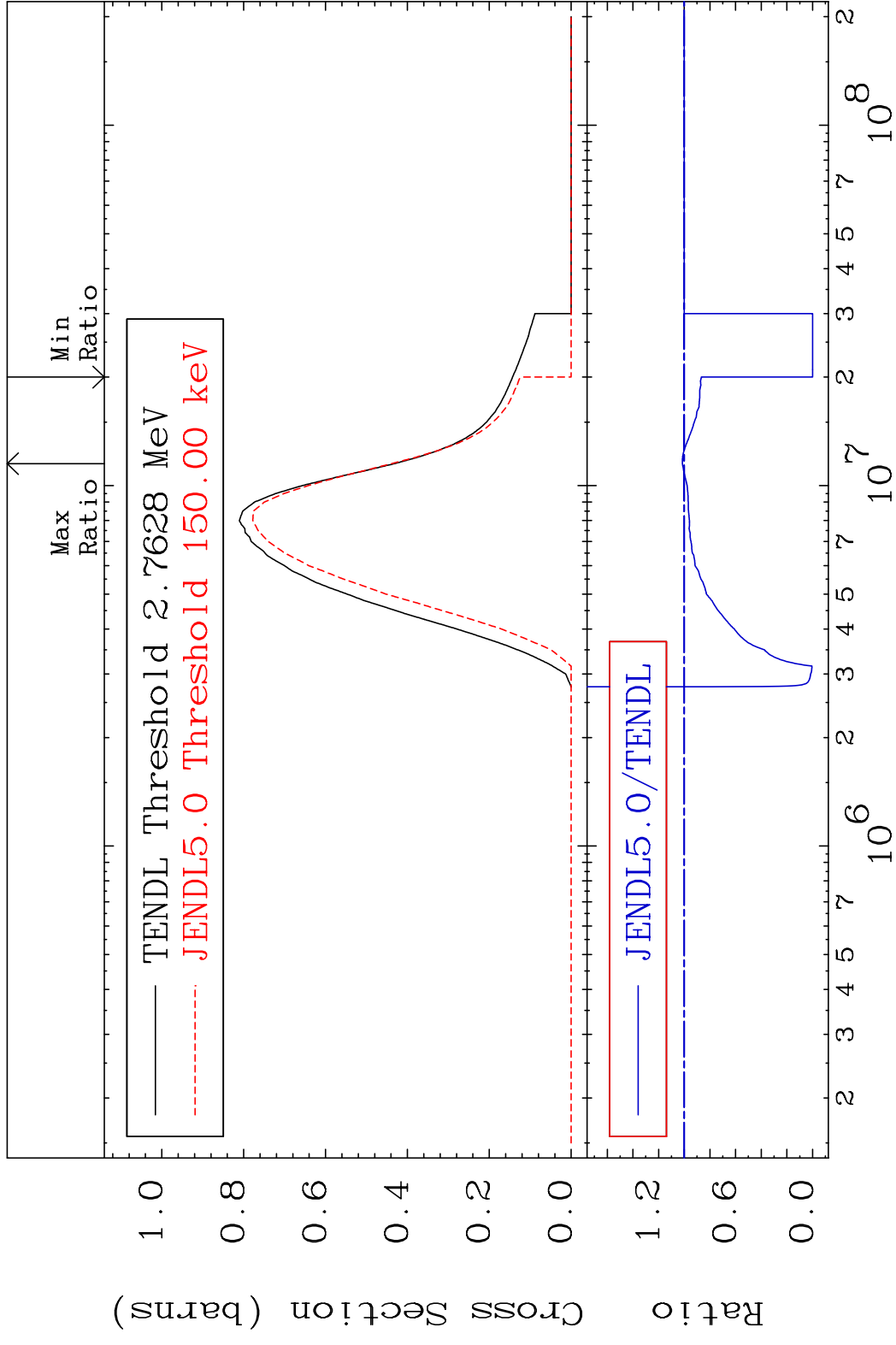
MAT 2516 MT= 73 (n, n') Level 25-Mn-52
 Cross Section -100.0 To 9999. %



MAT 2516 MT= 74 (n, n') Level 25-Mn-52
 Cross Section -100.0 To 9999. %



Cross Section -100.0 To 1.477 %

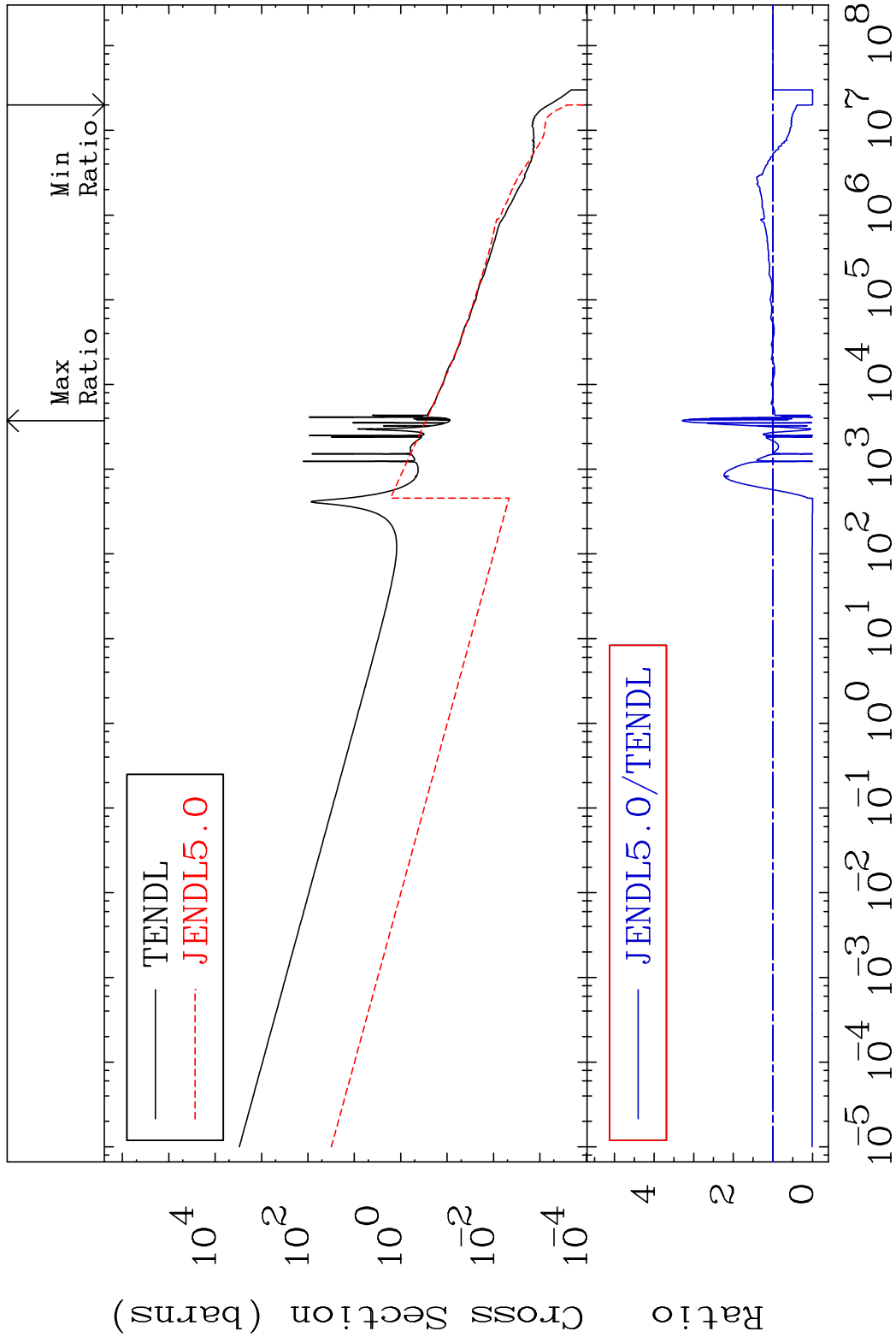


MAT 2516

(n, γ)

25-Mn-52

Cross Section -100.0 To 228.6 %



36

Incident Energy (eV)

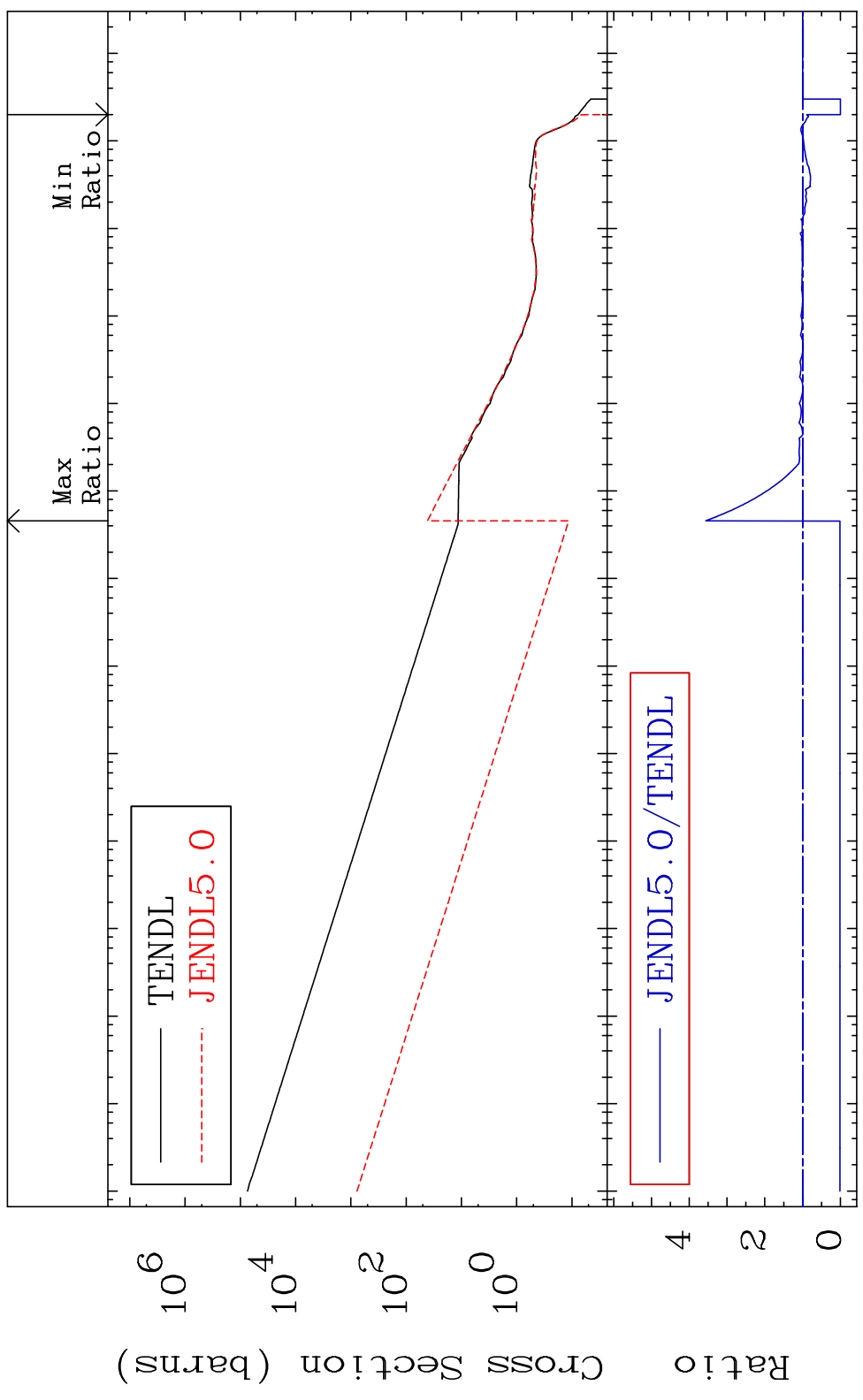
25-Mn-52

MAT 2516

(n, p)

25-Mn-52

Cross Section -100.0 To 256.5 %

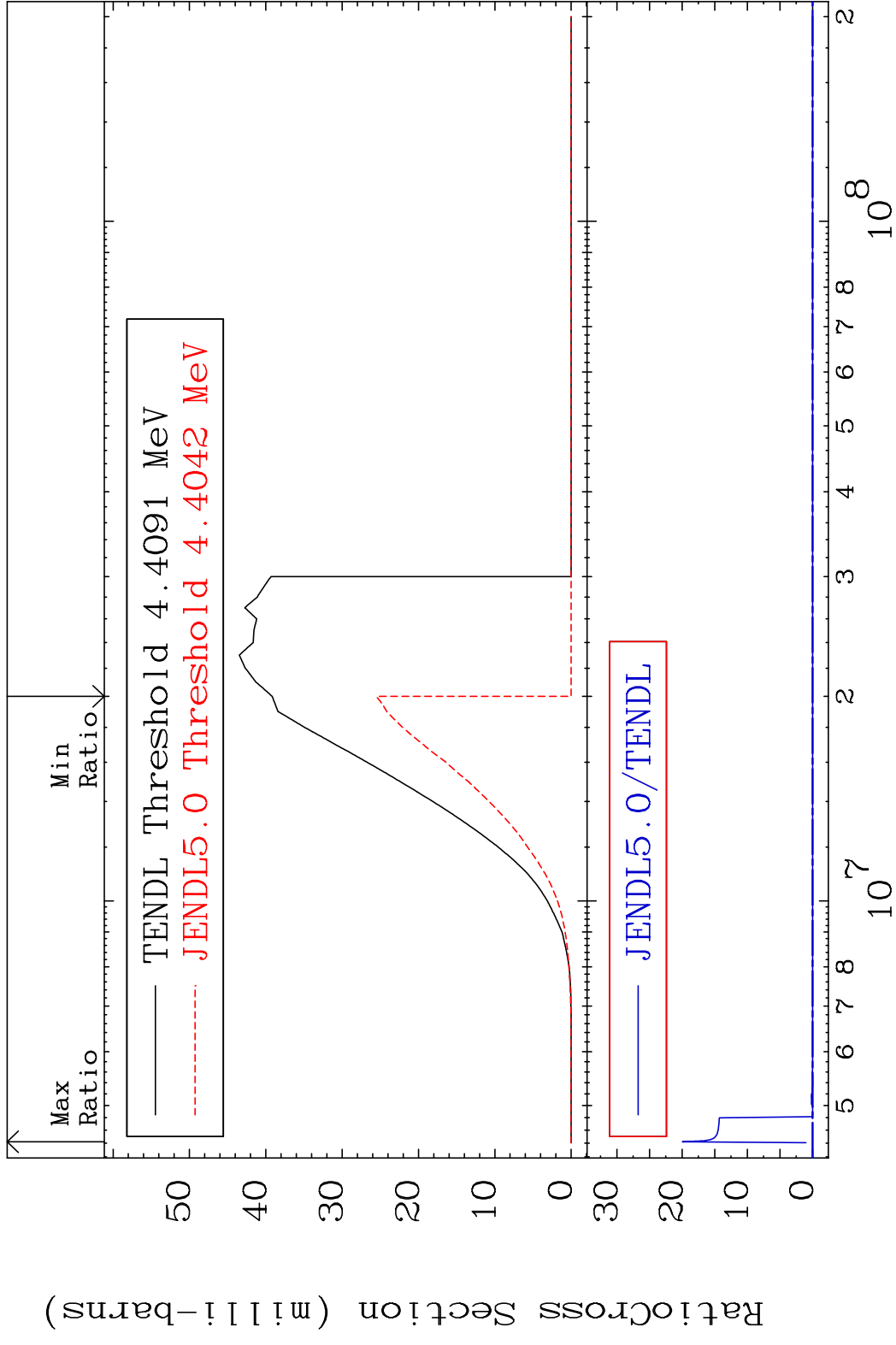


37

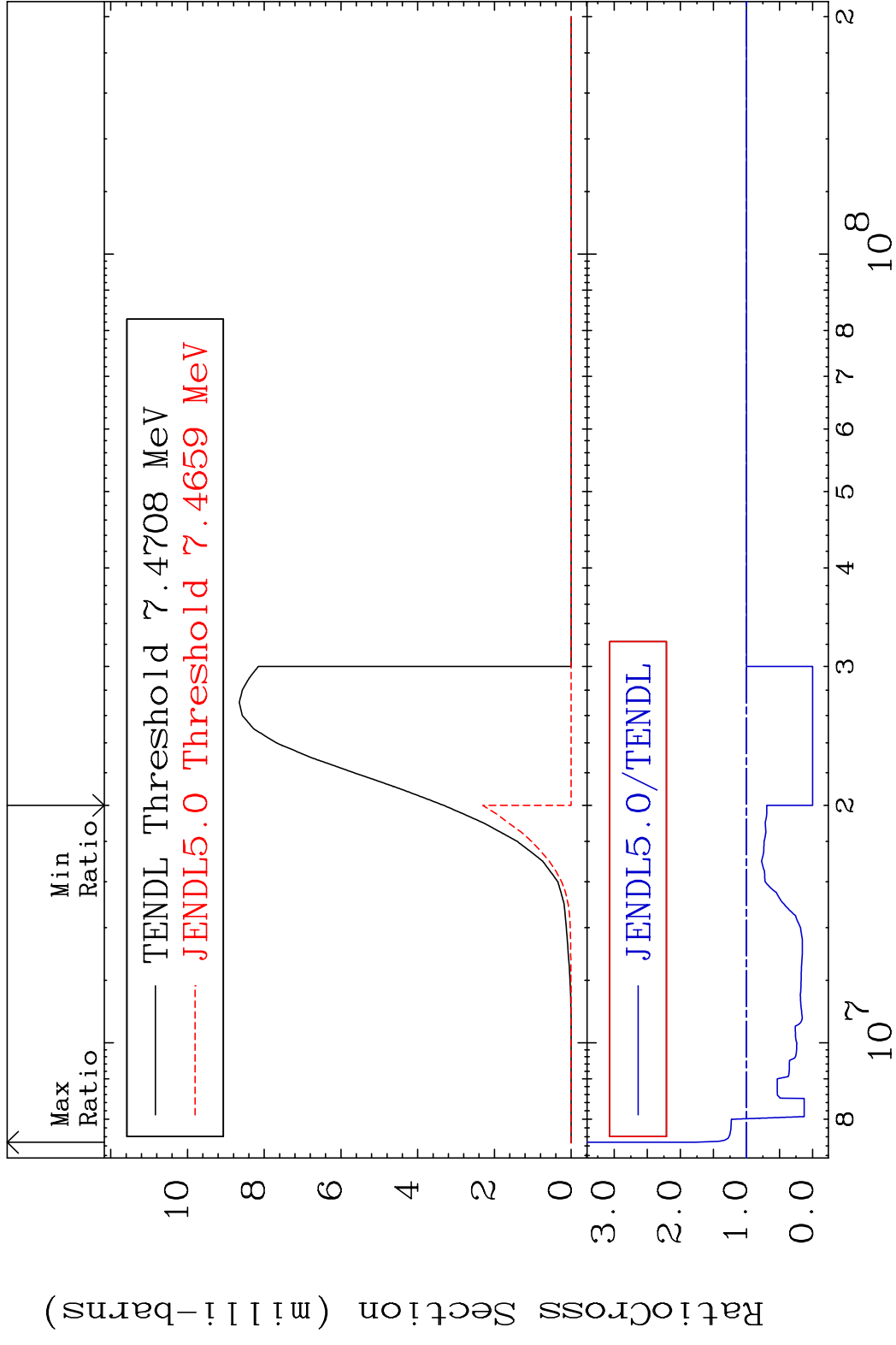
Incident Energy (eV)

25-Mn-52

MAT 2516 (n,d) 25-Mn-52
 Cross Section -100.0 To 9999. %



MAT 2516 (n, t) 25-Mn-52
 Cross Section -100.0 To 97.00 %

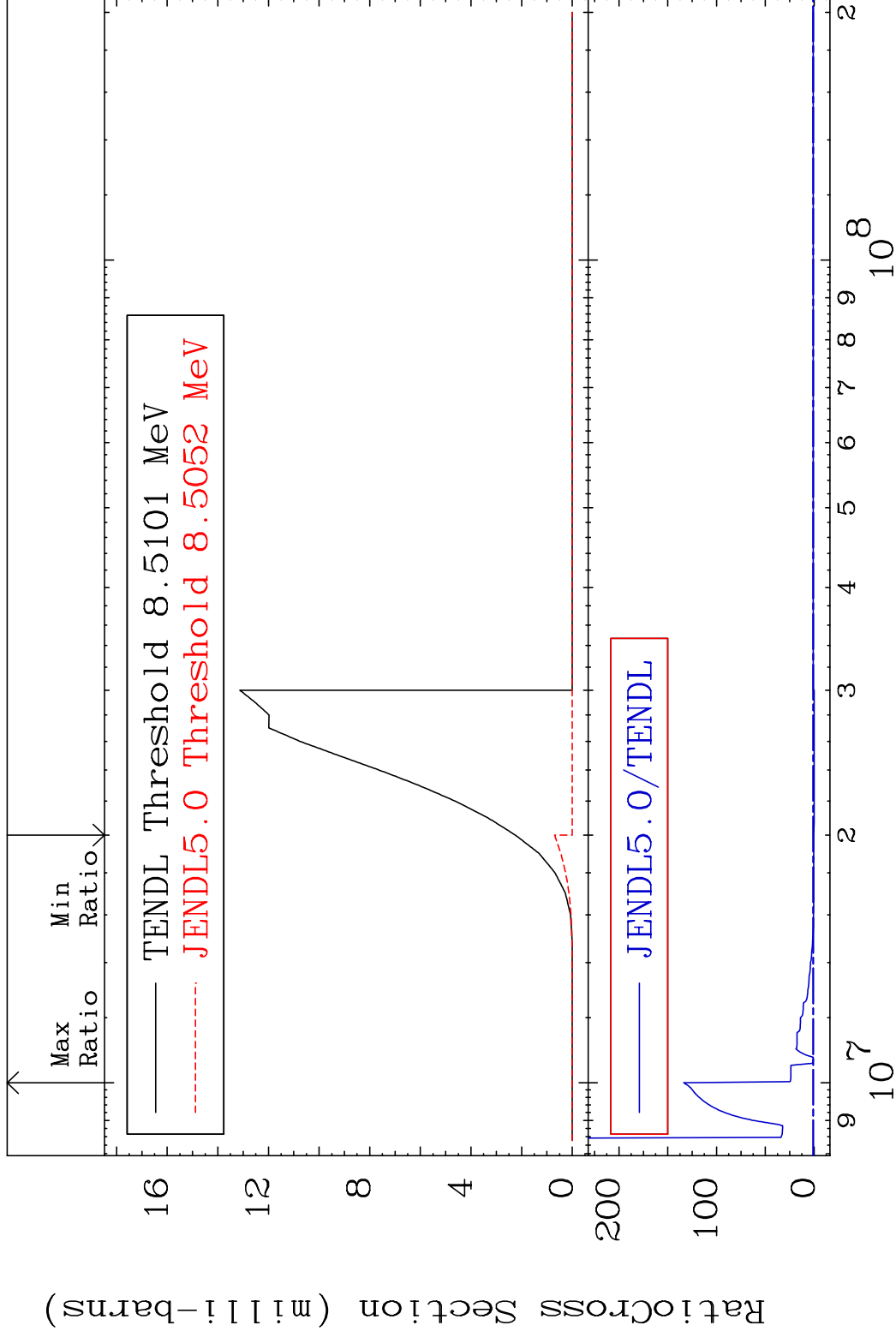


MAT 2516

(n, He-3)

25-Mn-52

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

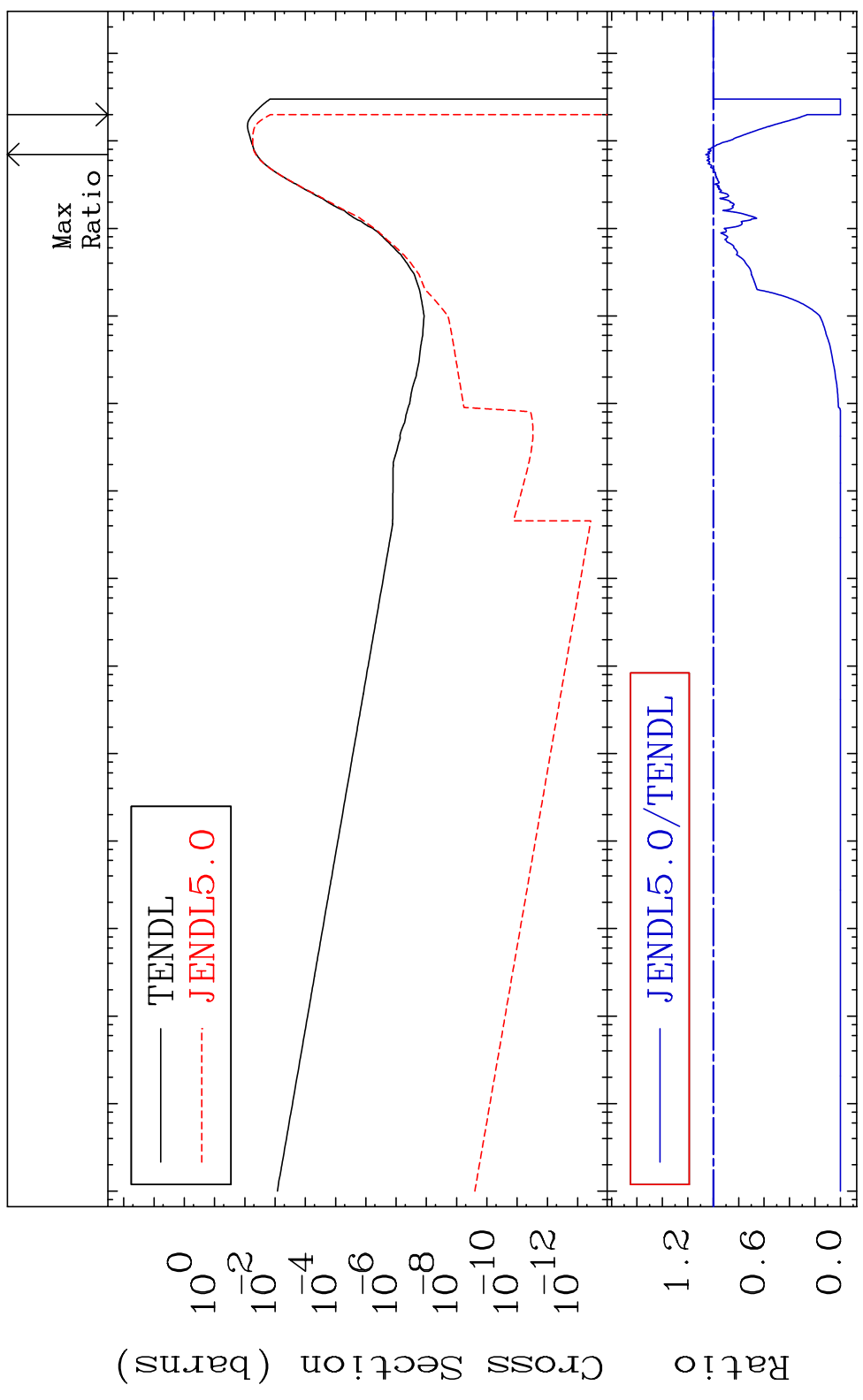
25-Mn-52

MAT 2516

(n, α)

25-Mn-52

Cross Section -100.0 To 5.919 %



41

Incident Energy (eV)

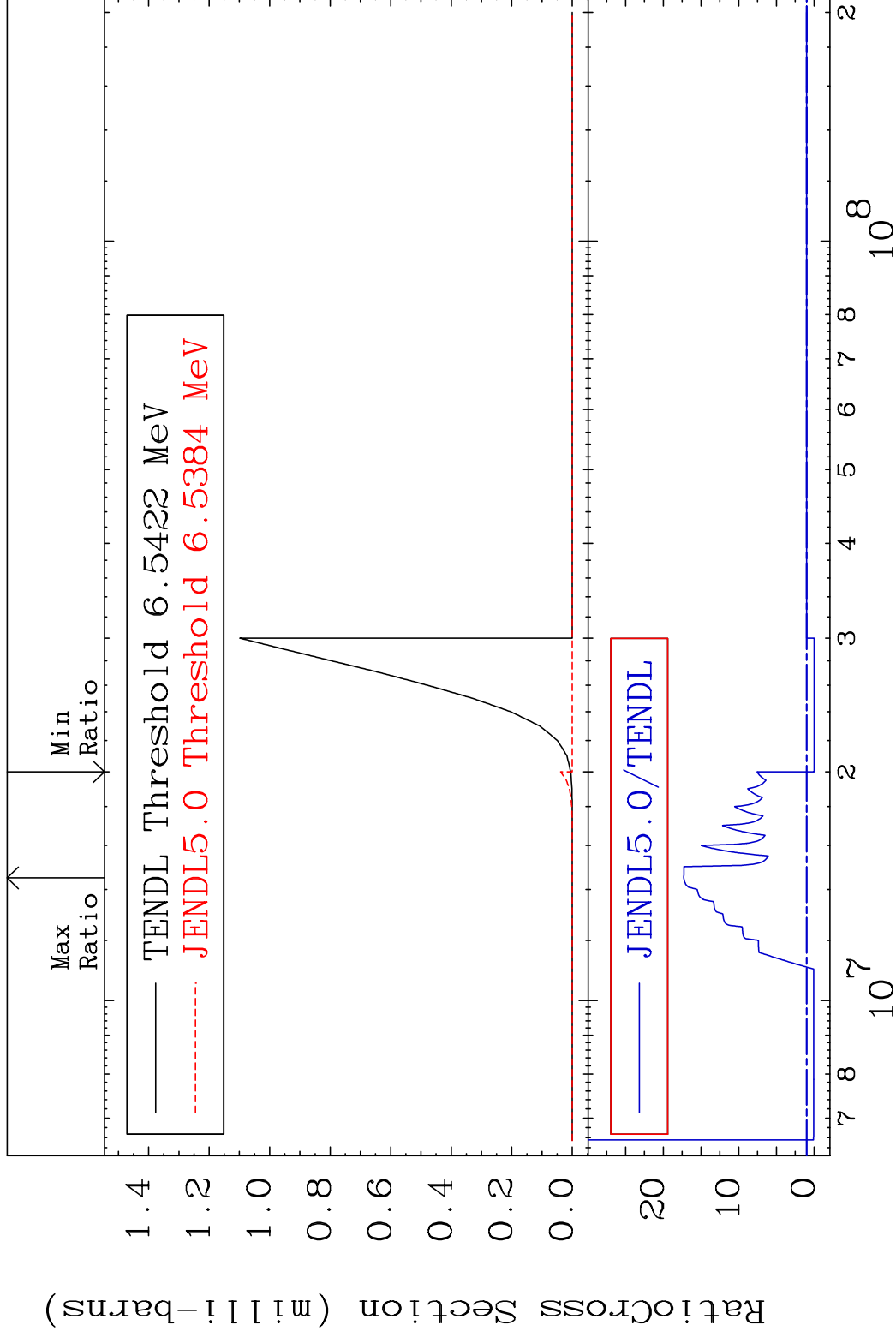
25-Mn-52

MAT 2516

(n,2α)

25-Mn-52

Cross Section -100.0 To 1630. %



42

Incident Energy (eV)

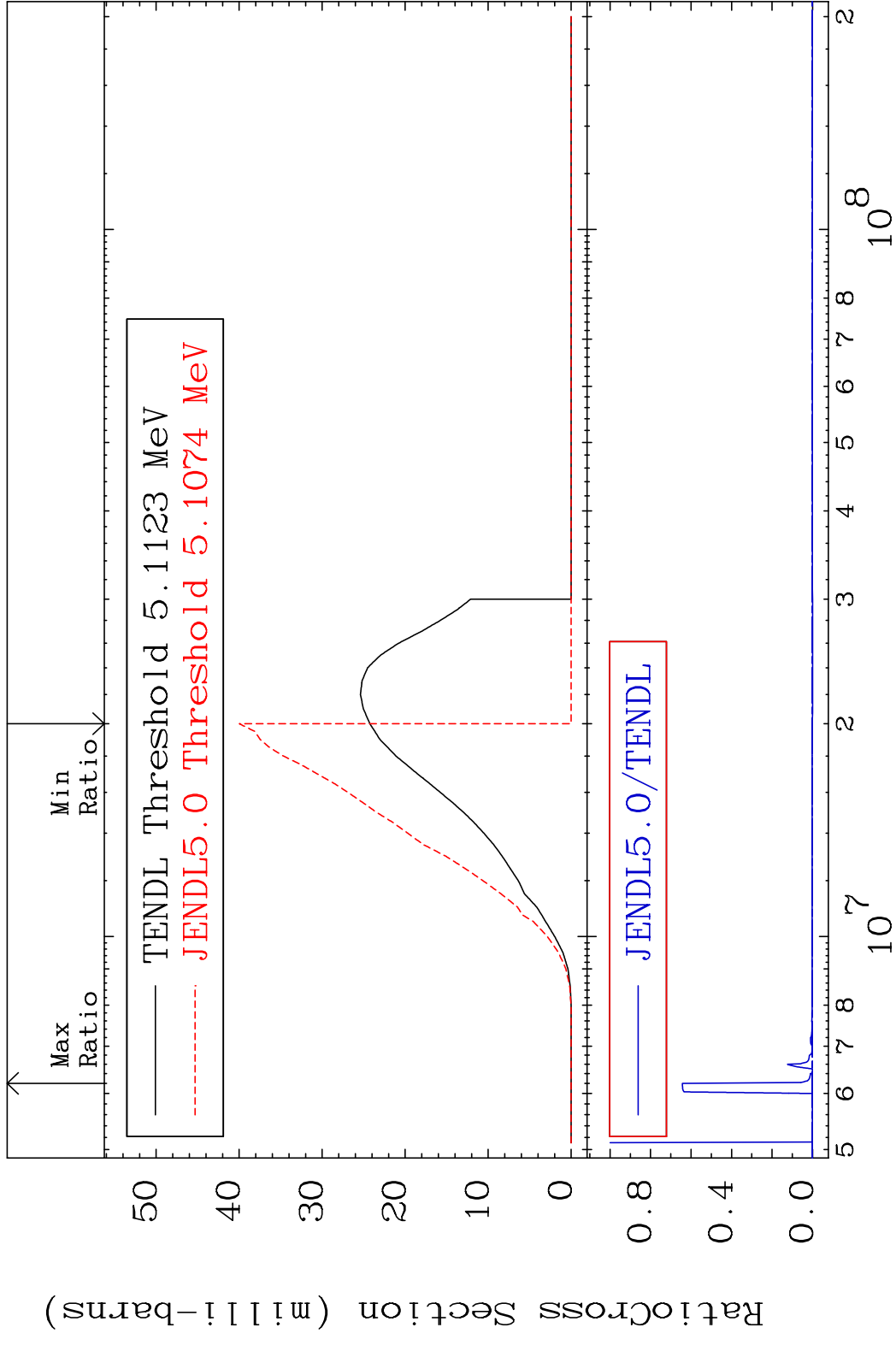
25-Mn-52

MAT 2516

(n,2p)

25-Mn-52

Cross Section -100.0 To 9999. %

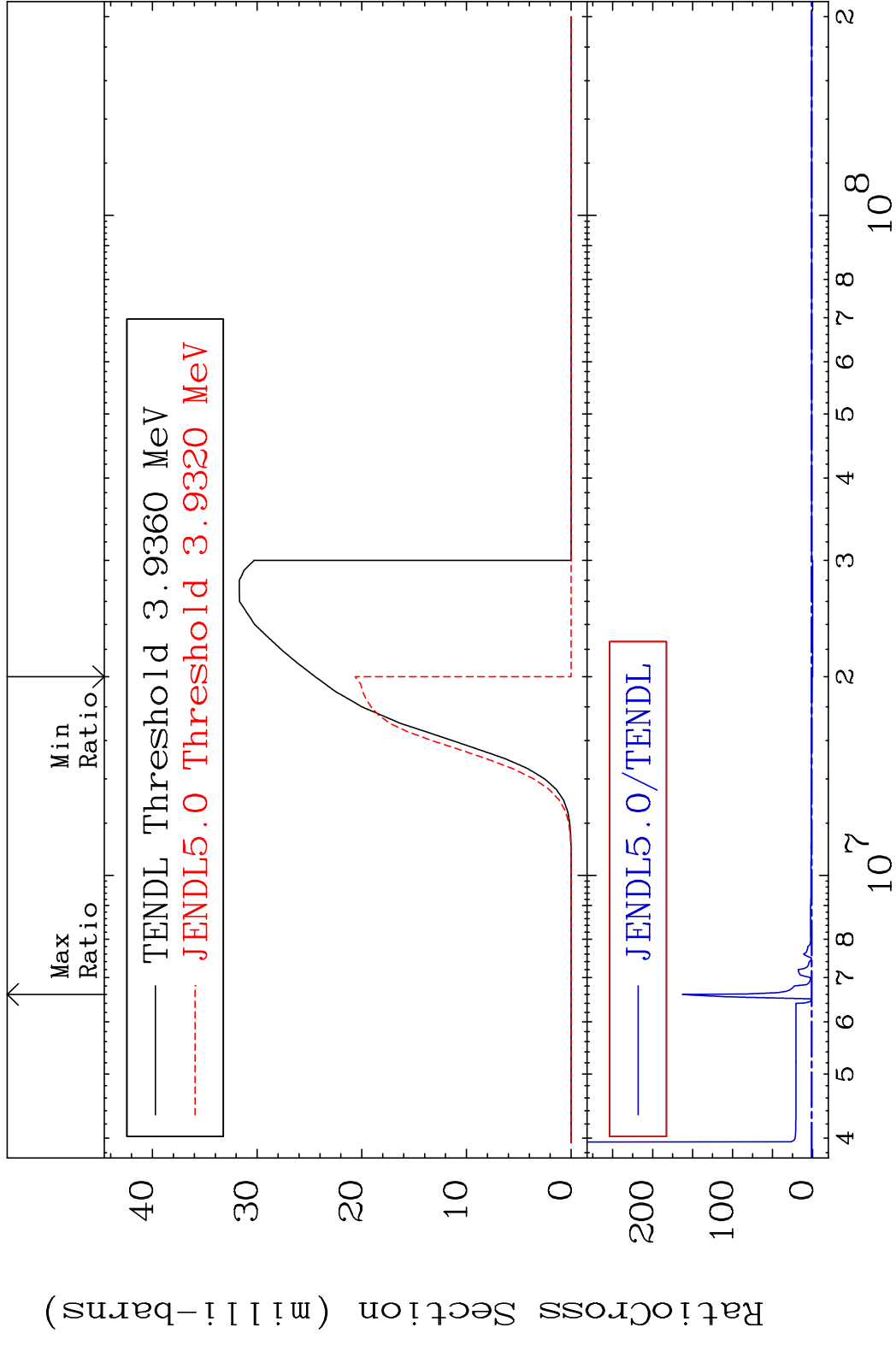


43

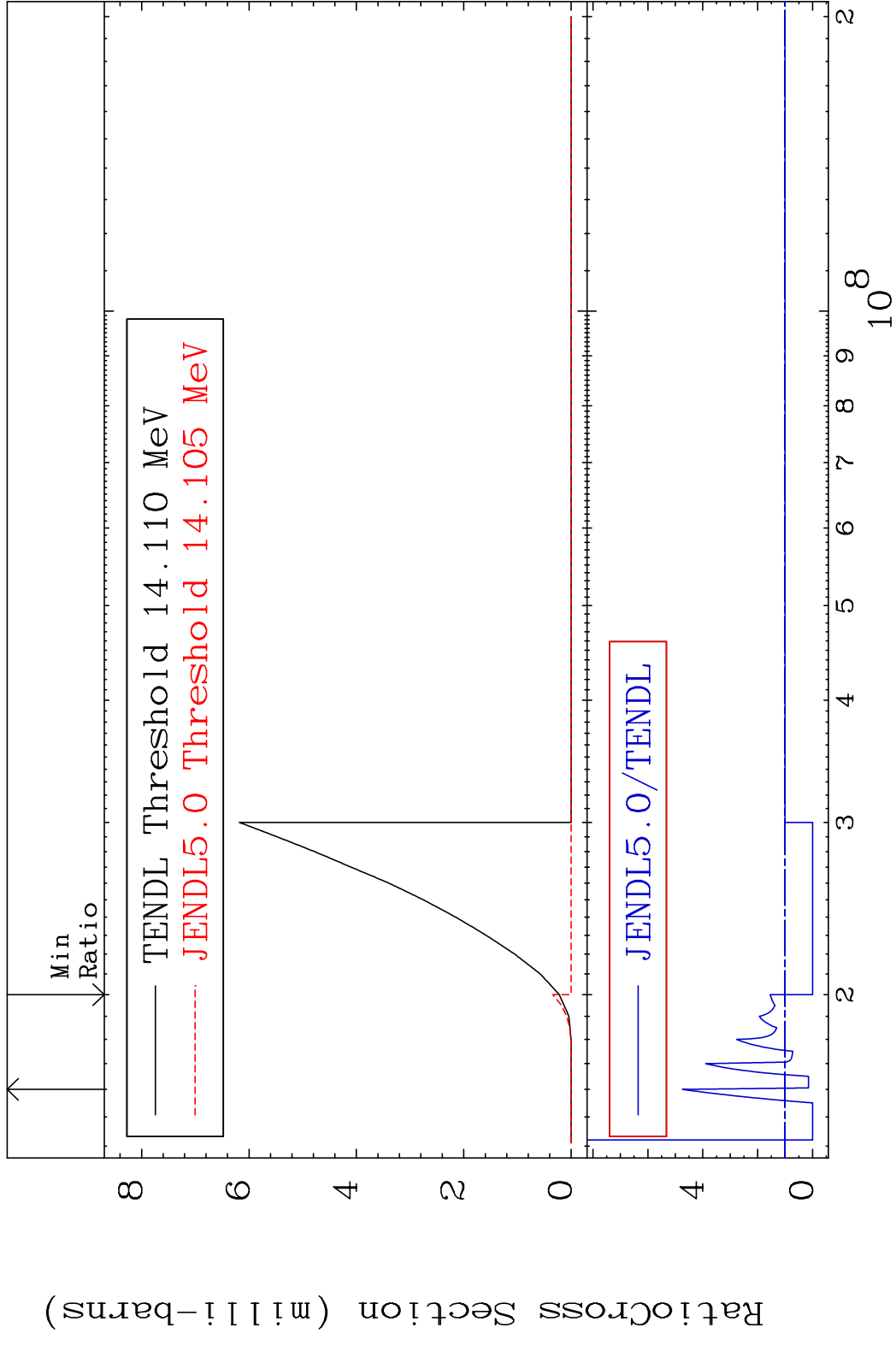
Incident Energy (eV)

25-Mn-52

MAT 2516 (n,p) α 25-Mn-52
 Cross Section -100.0 To 9999. %



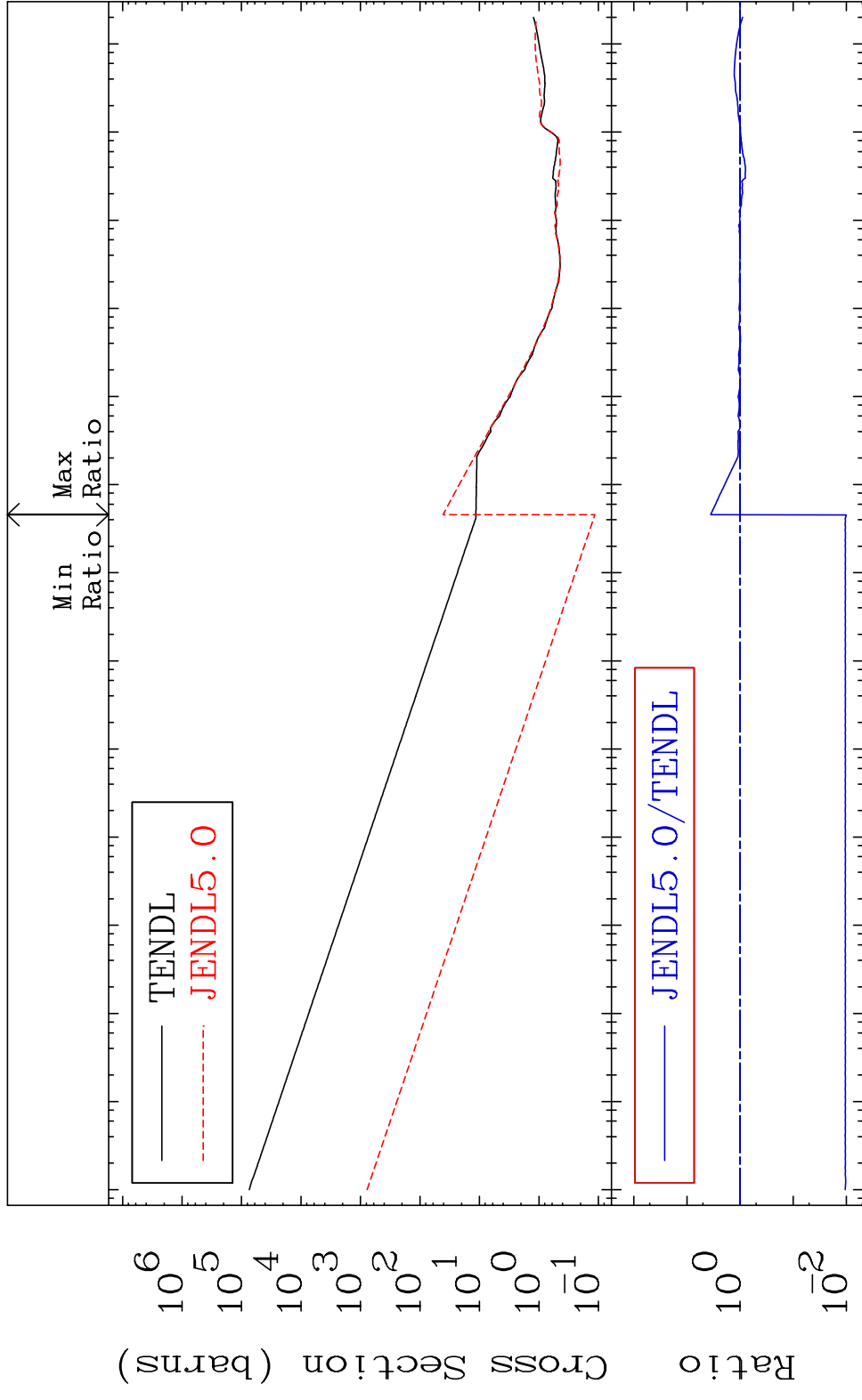
MAT 2516 (n,p) d 25-Mn-52
 Cross Section -100.0 To 374.4 %



MAT 2516

Hydrogen Production
Cross Section -99.00 To 256.5 %

25-Mn-52

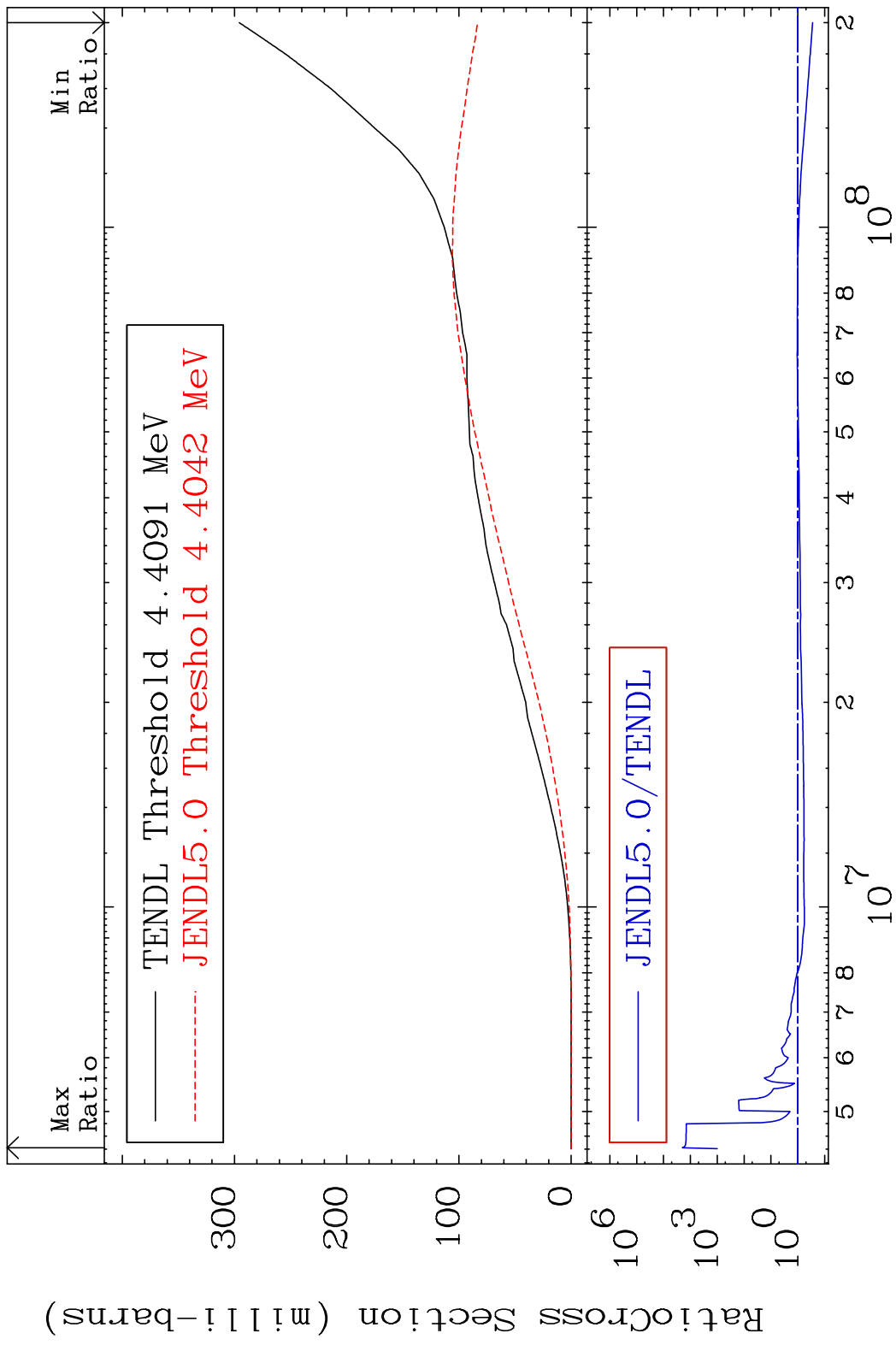


46

Incident Energy (eV)

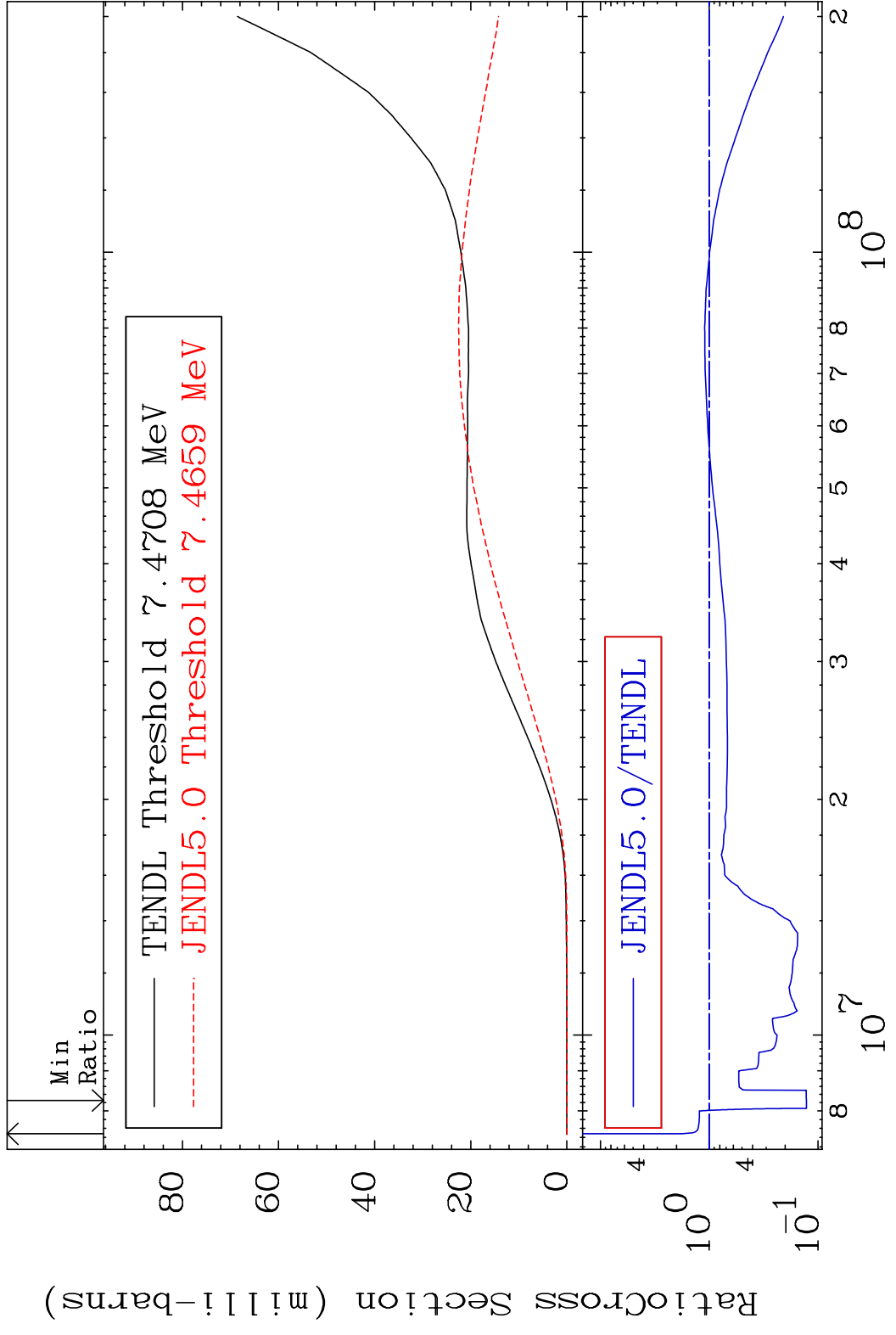
25-Mn-52

MAT 2516 Deuterium Production 25-Mn-52
 Cross Section -71.76 To 9999. %



47 25-Mn-52

MAT 2516 Tritium Production 25-Mn-52
 Cross Section -87.23 To 97.00 %



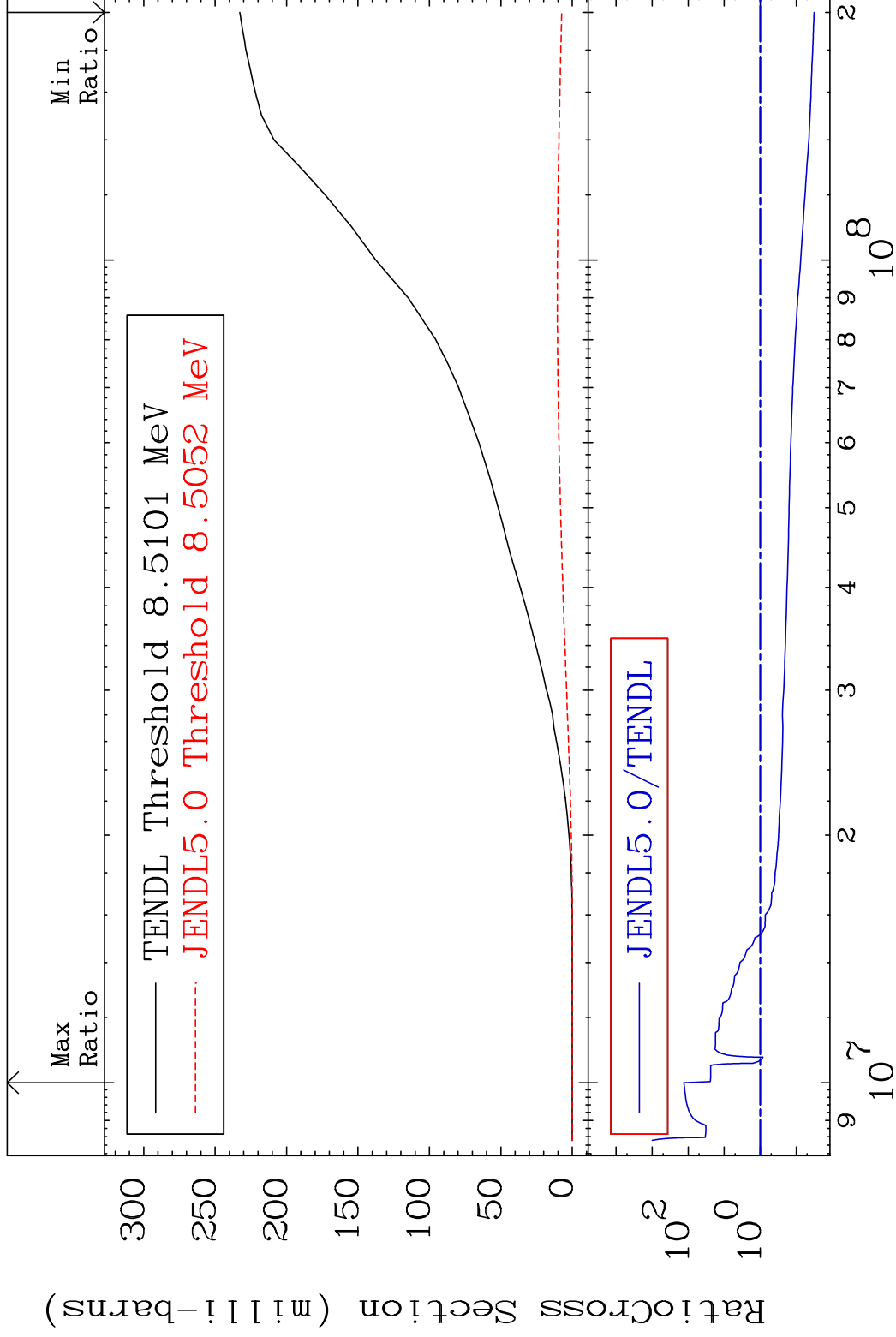
48 25-Mn-52

MAT 2516

He-3 Production

25-Mn-52

Cross Section -96.79 To 9999. %



49

Incident Energy (eV)

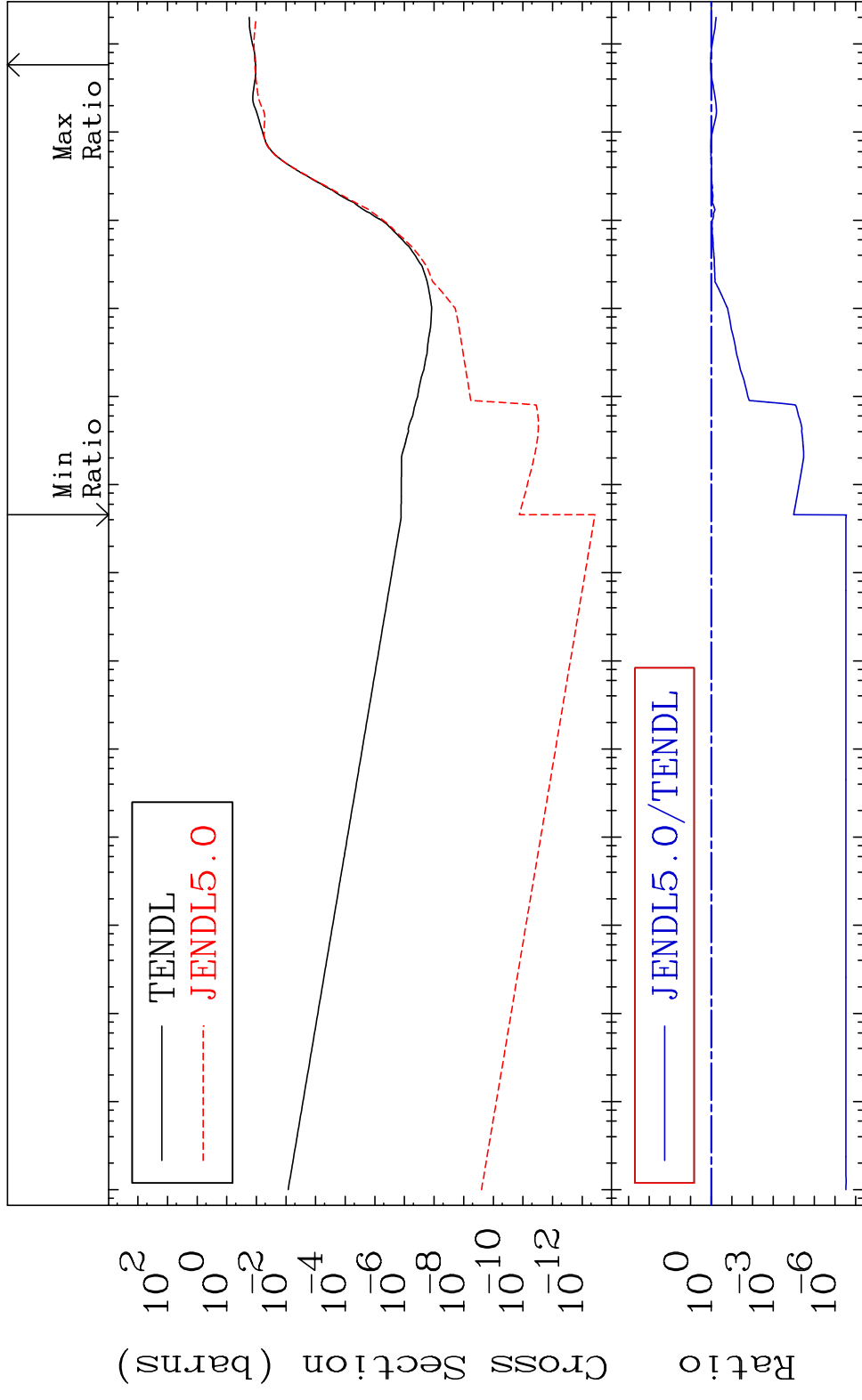
25-Mn-52

MAT 2516

He-4 Production

25-Mn-52

Cross Section -100.0 To 5.985 %

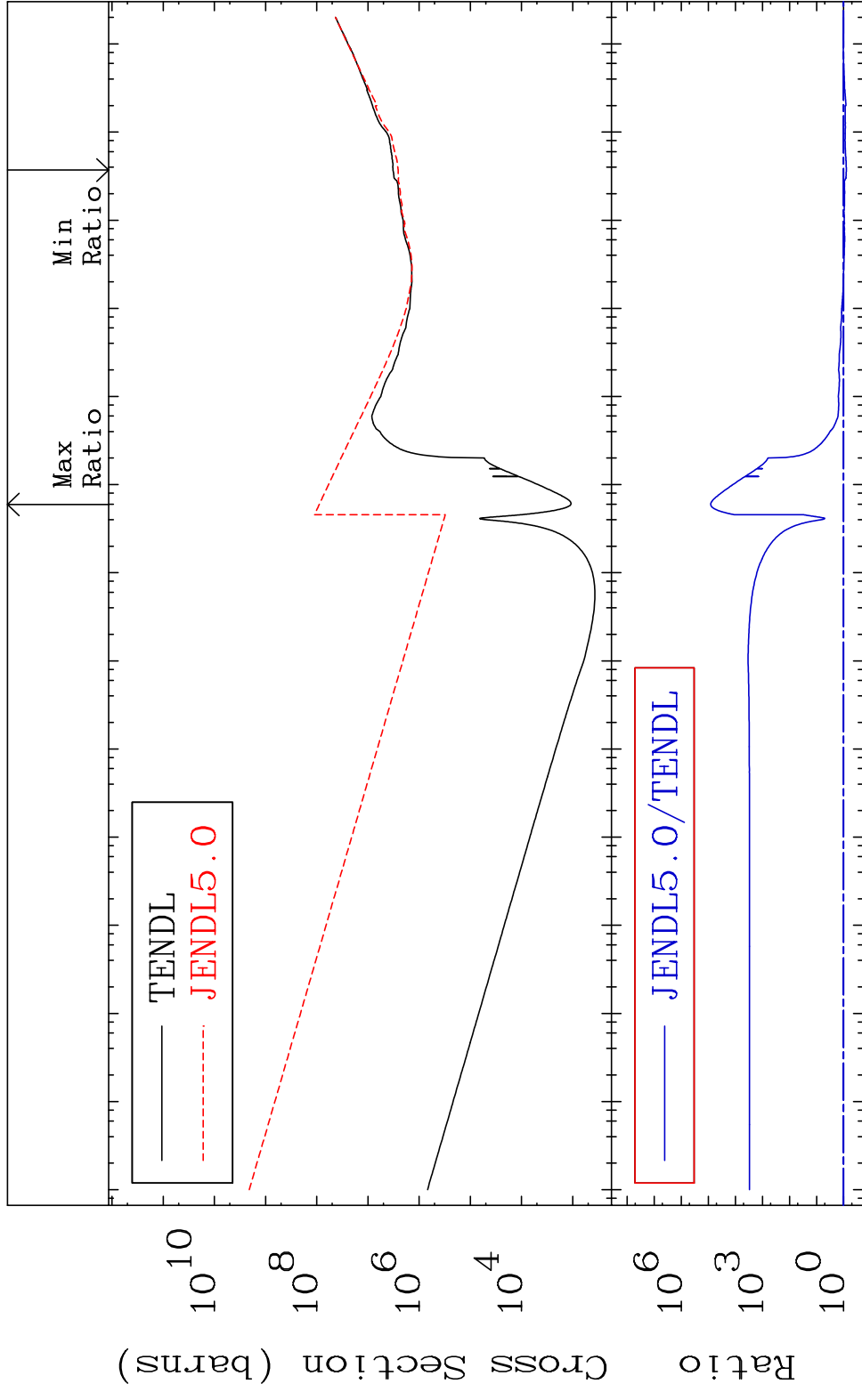


50

Incident Energy (eV)

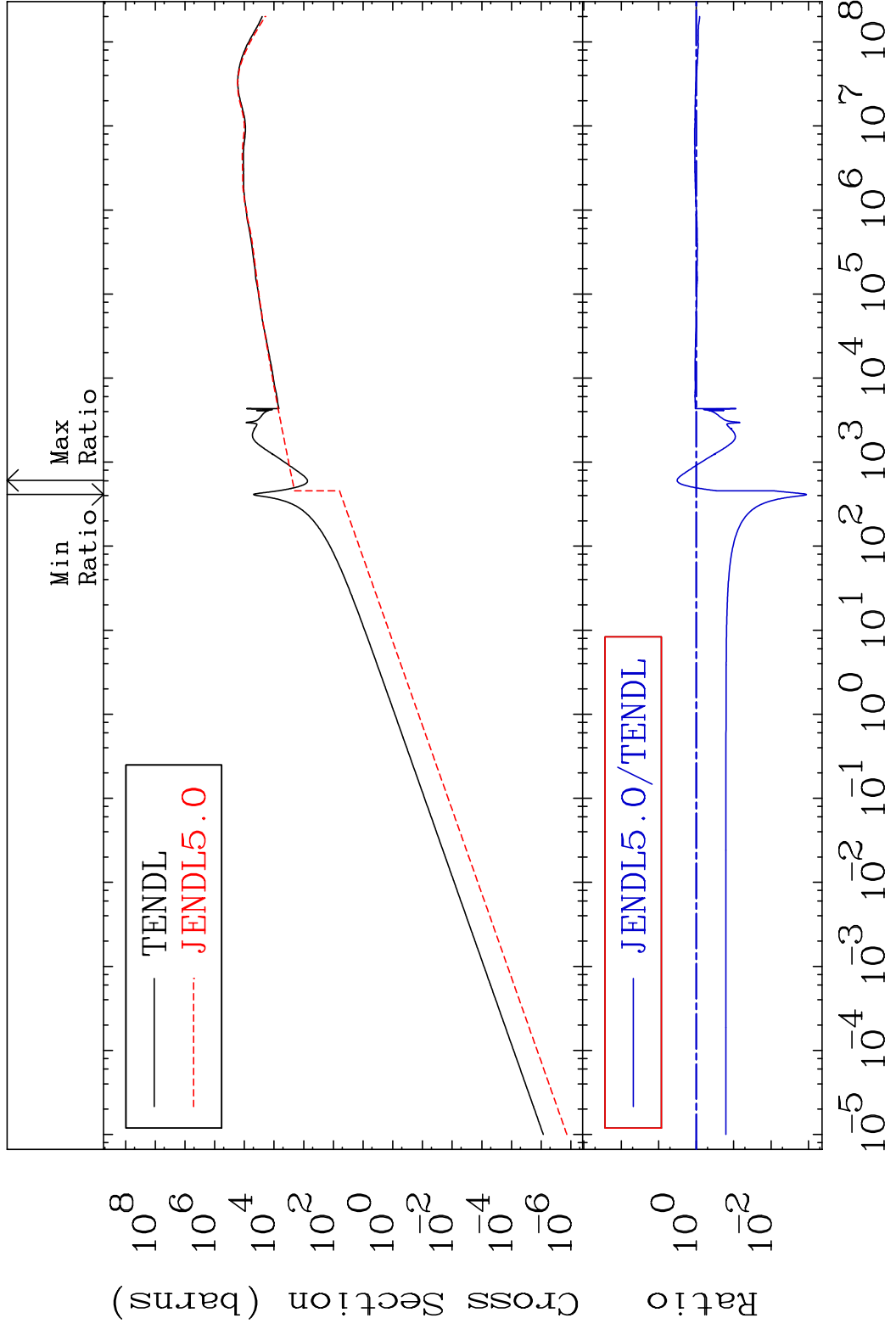
25-Mn-52

MAT 2516 Kerma total (eV-barns) 25-Mn-52
 Cross Section -20.53 To 9999. %



MAT 2516

Kerma elastic Cross Section -99.89 To 221.9 %
25-Mn-52

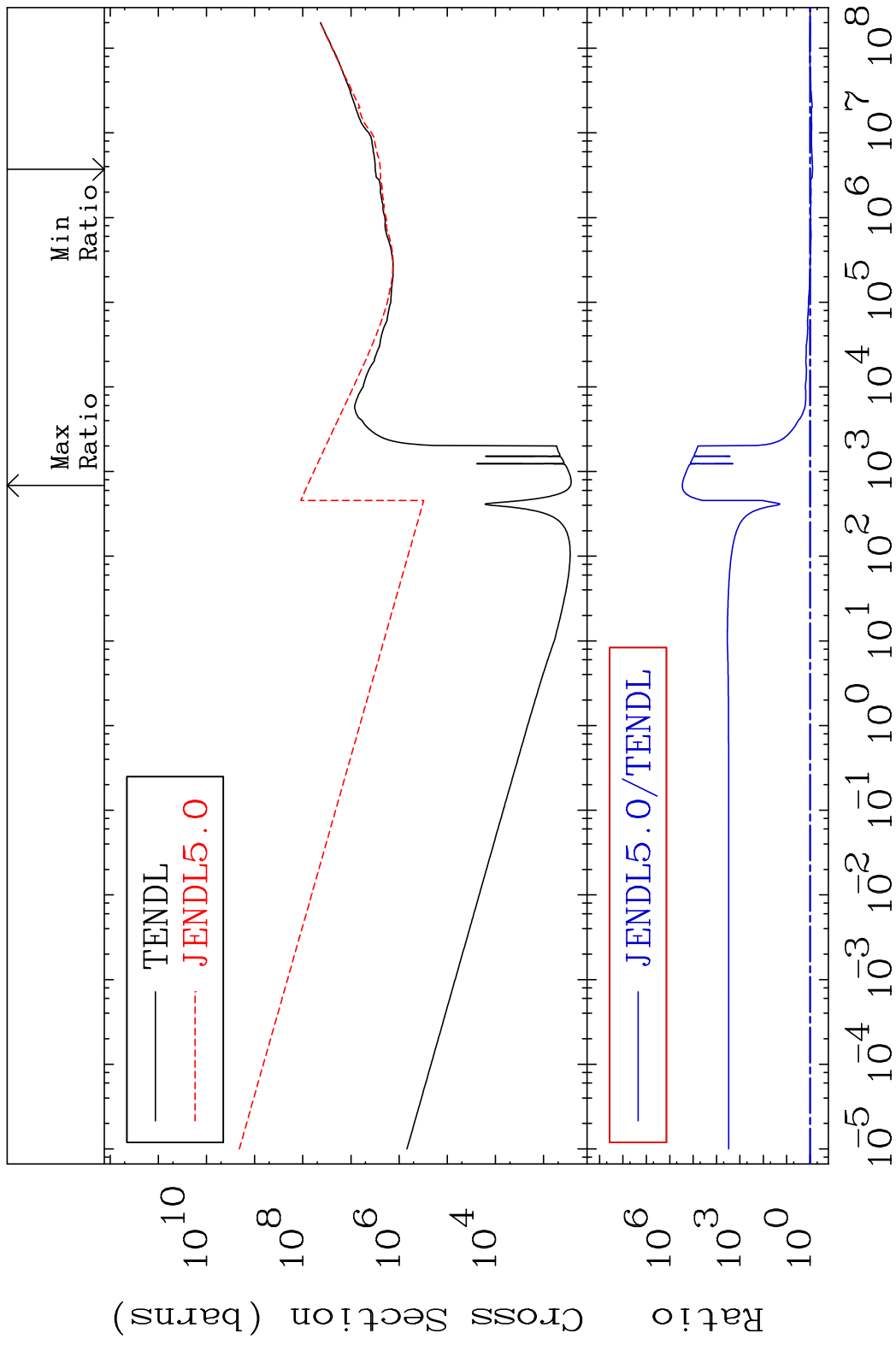


52

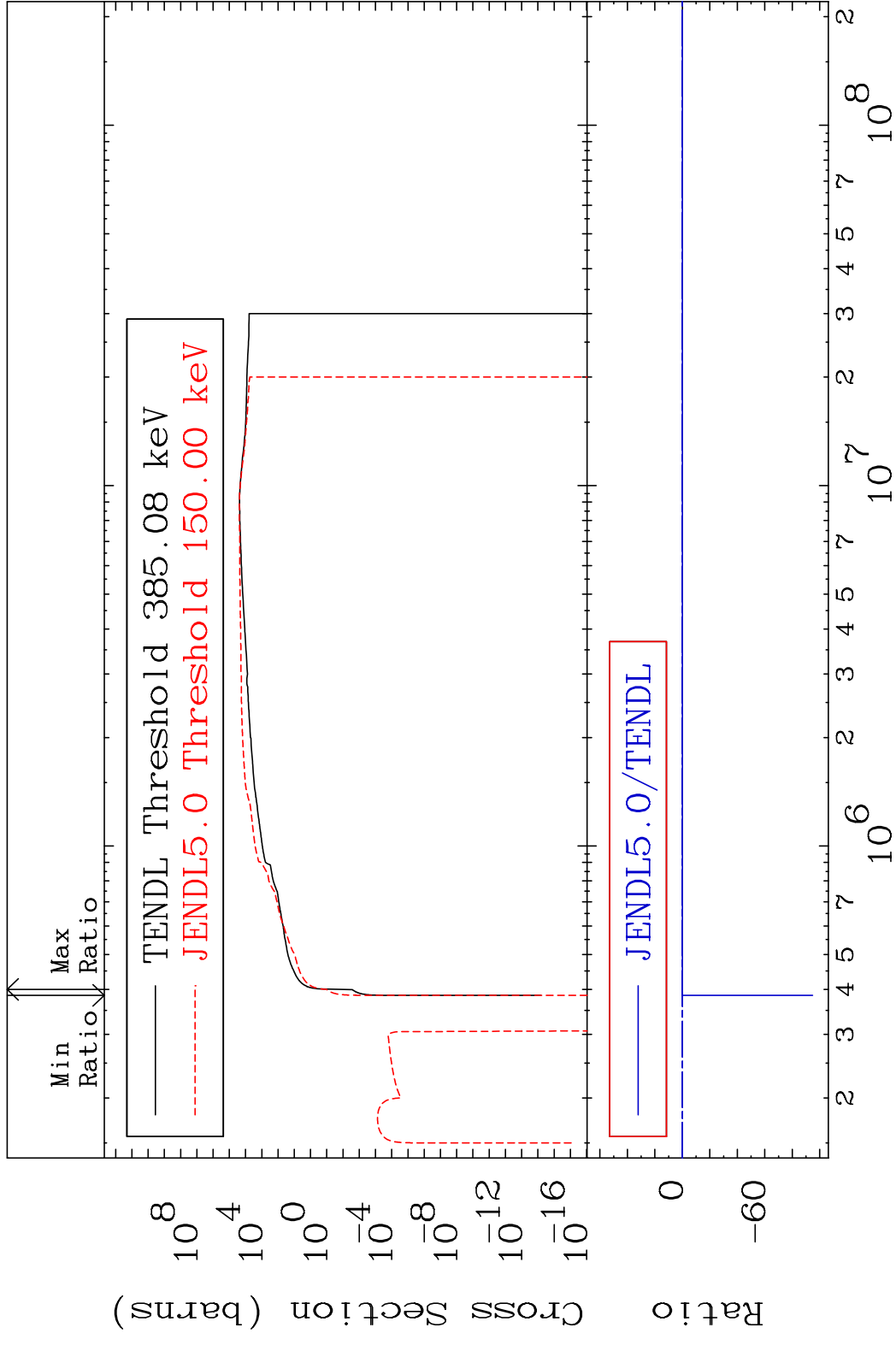
Incident Energy (eV)

25-Mn-52

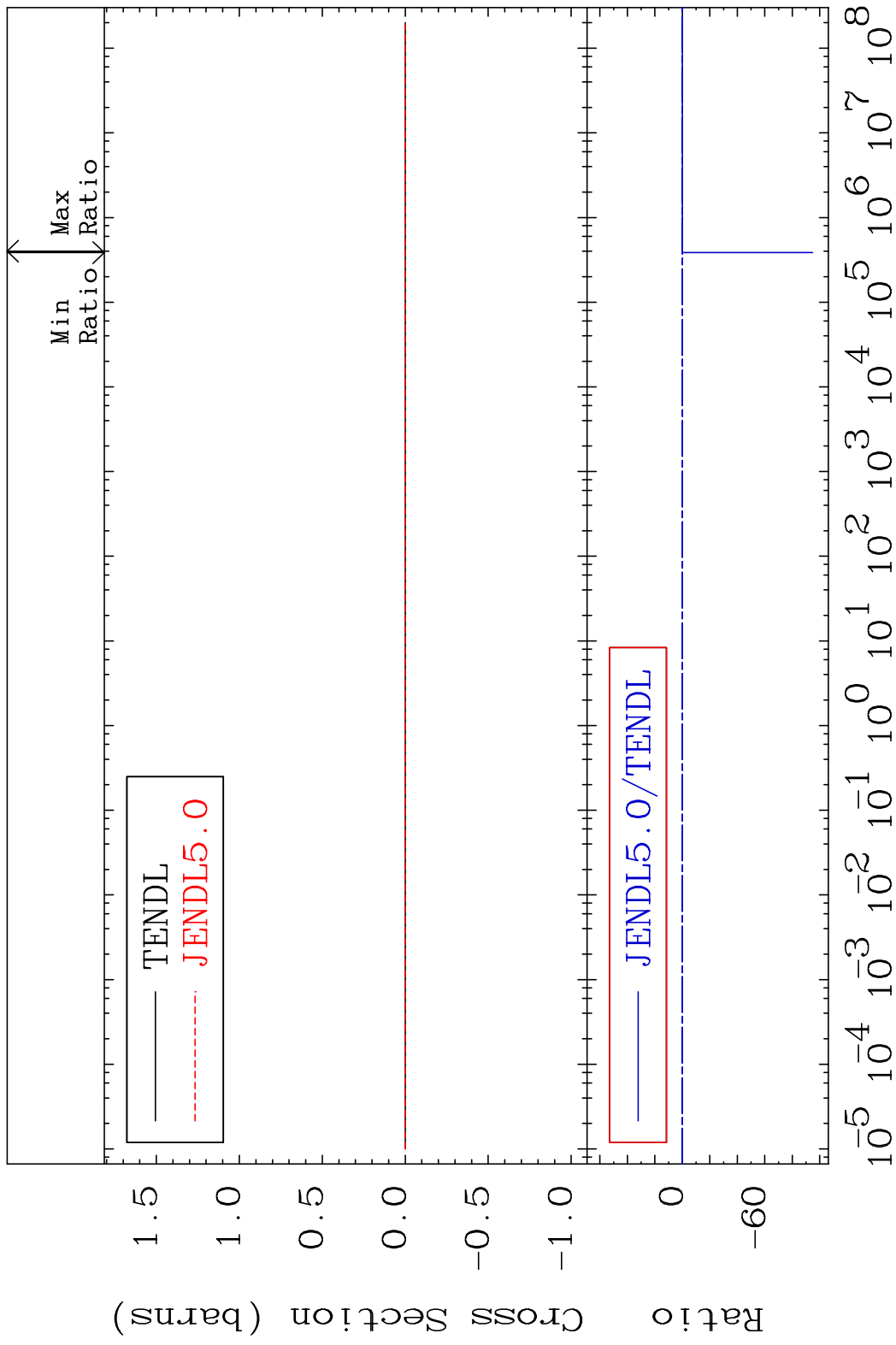
MAT 2516 Kerma non-elastic (all but mt2) 25-Mn-52
 Cross Section -21.54 To 9999. %



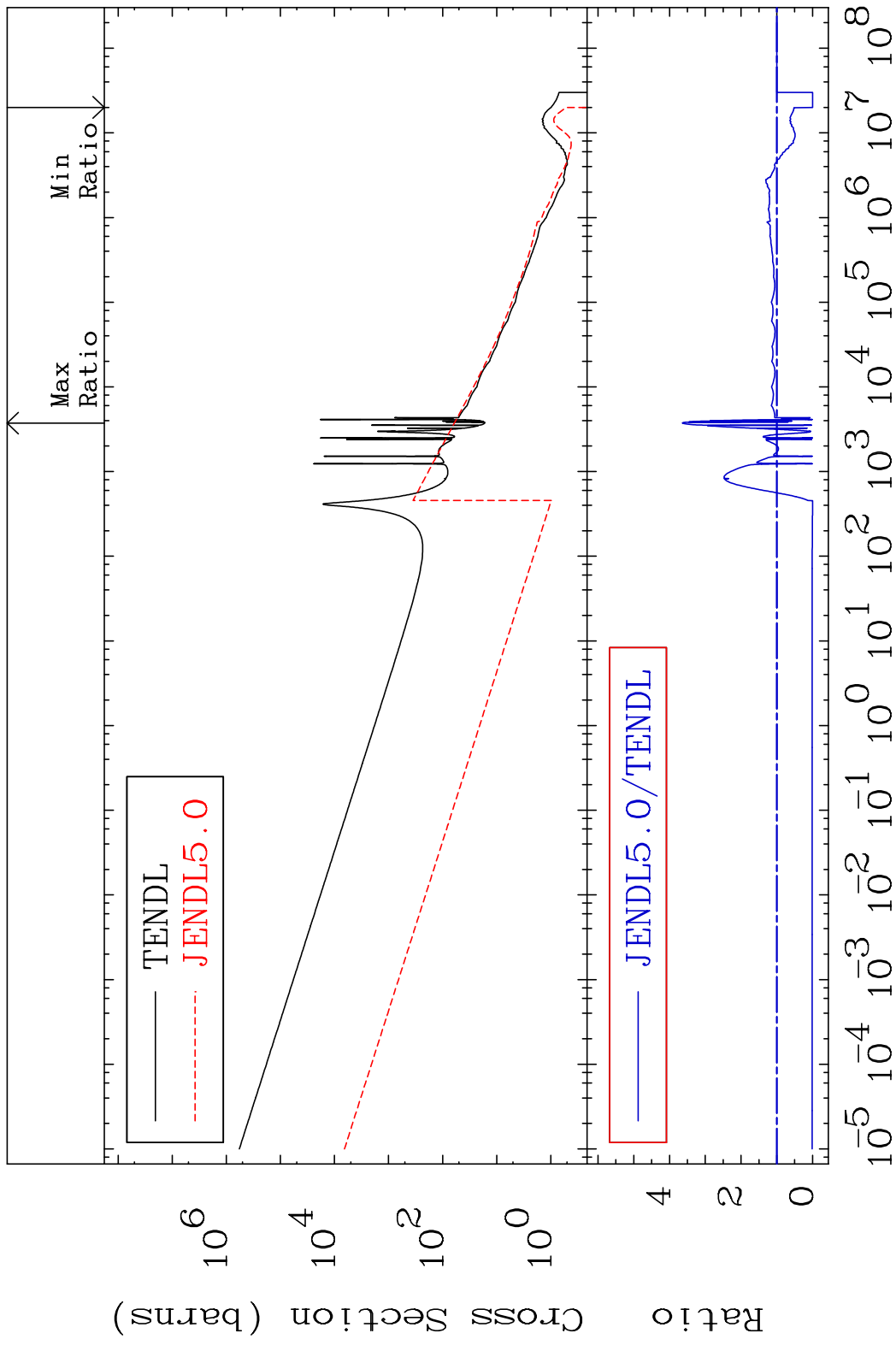
MAT 2516 Kerma inelastic (mt51-91) 25-Mn-52
 Cross Section -9999. To 3620. %



MAT 2516 Kerma fission (mt18 or mt19-20-21-38) 25-Mn-52
 Cross Section -9999. To 3620. %

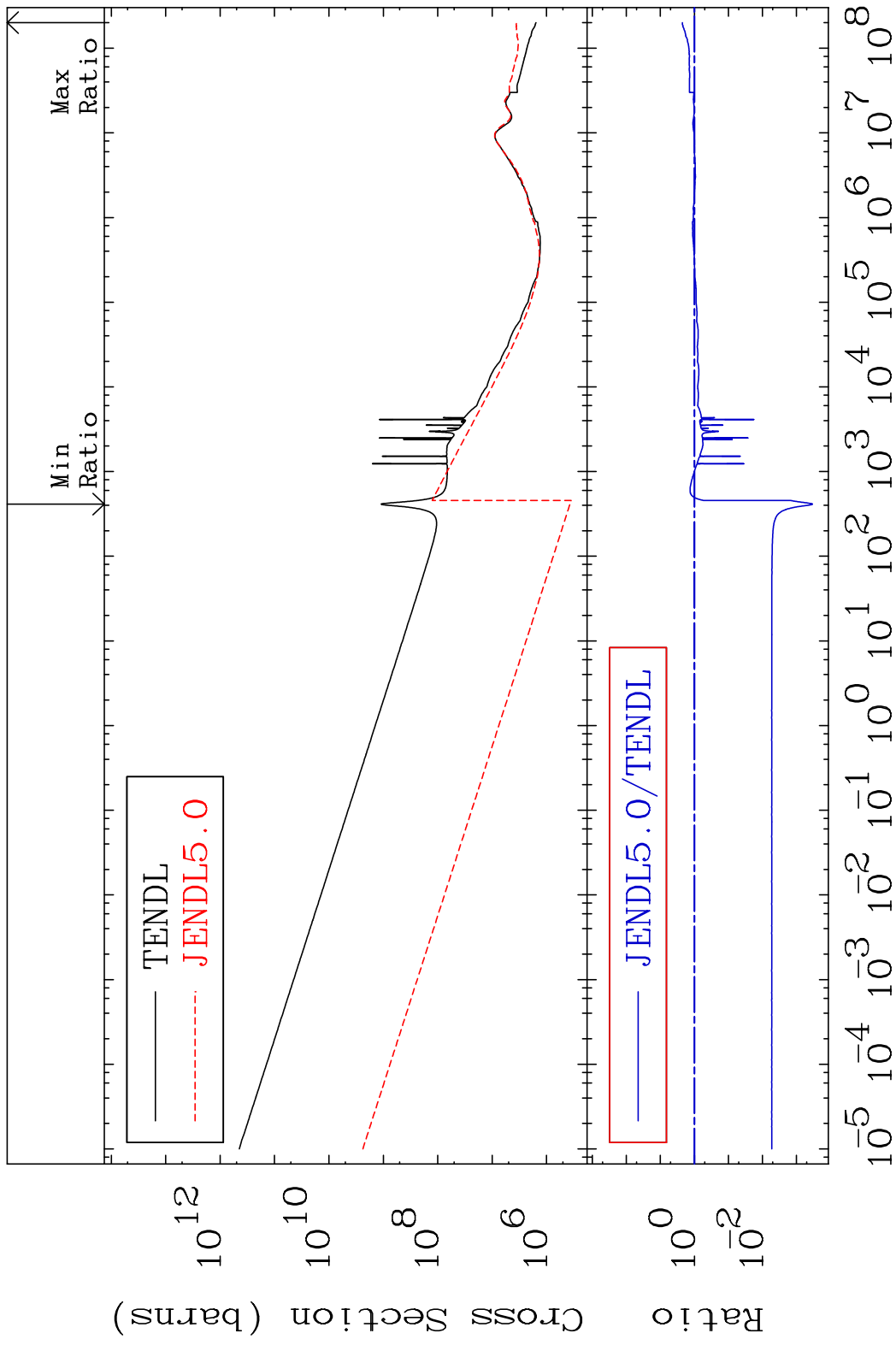


MAT 2516 Kerma capture (mt102) 25-Mn-52
 Cross Section -100.0 To 264.1 %



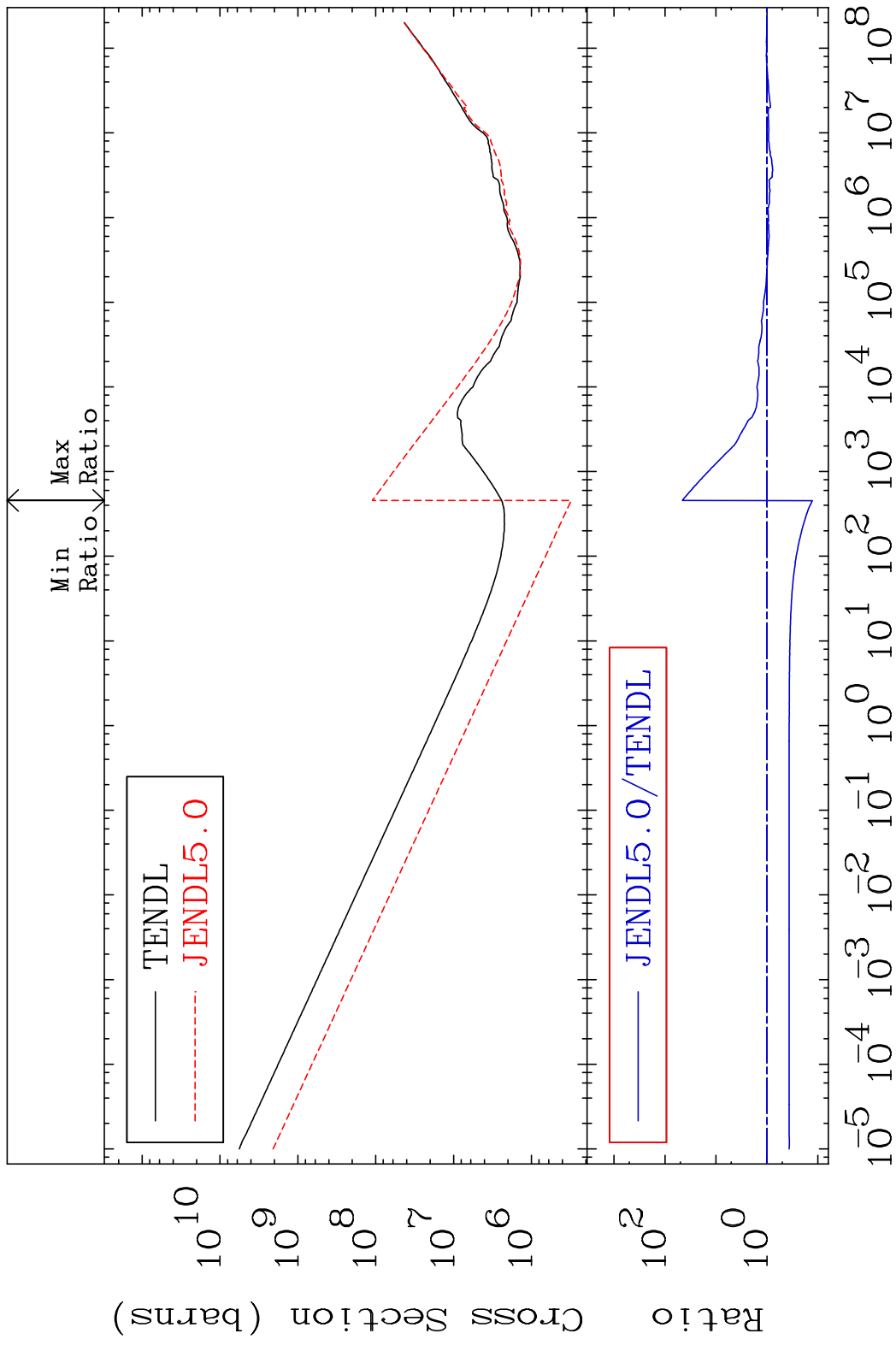
56 Incident Energy (eV) 25-Mn-52

MAT 2516 Total photon (eV-barns) 25-Mn-52
 Cross Section -99.97 To 125.9 %



57 Incident Energy (eV) 25-Mn-52

MAT 2516 Total kinematic kerma (high limit) 25-Mn-52
 Cross Section -87.25 To 4458. %

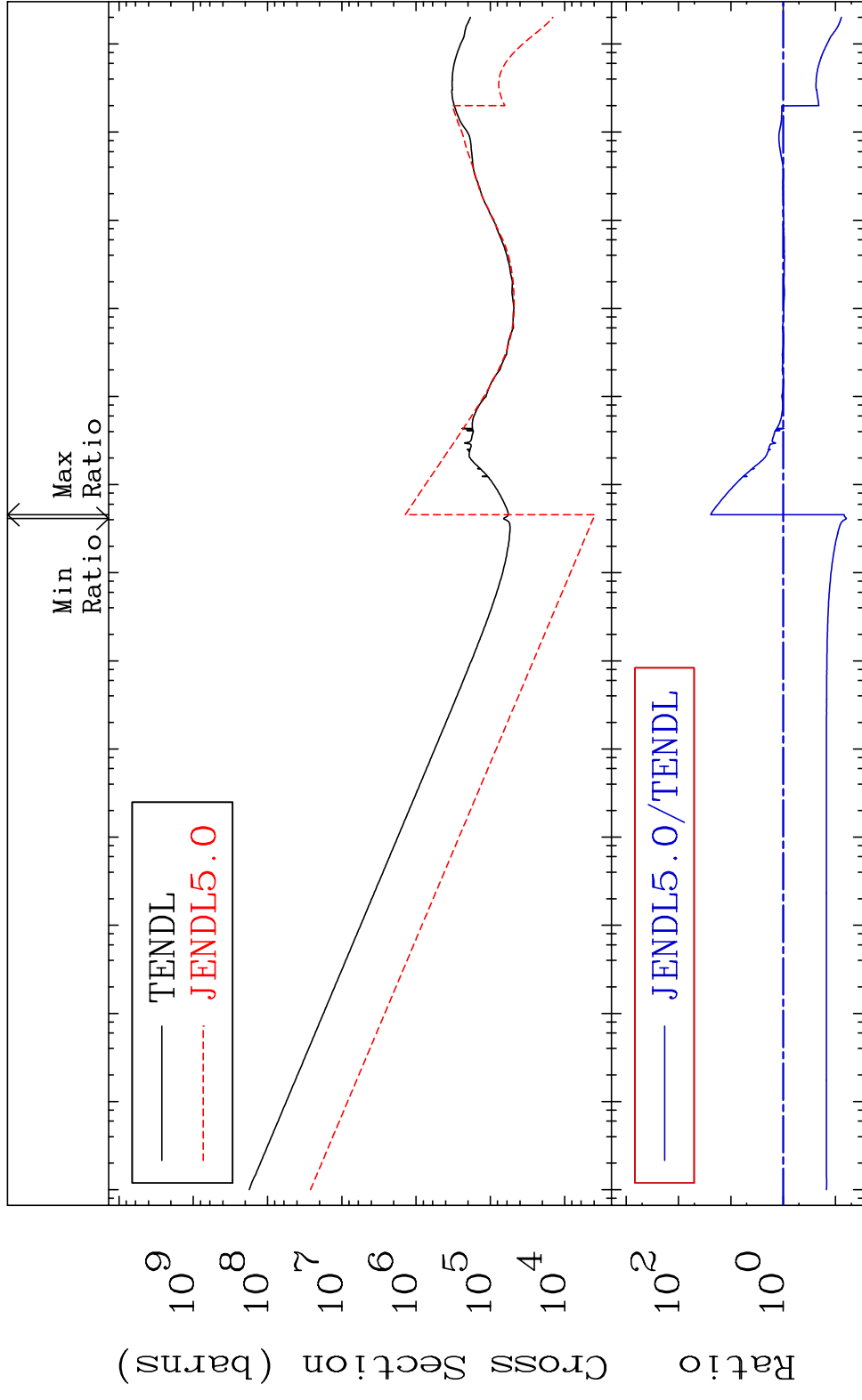


MAT 2516

Dpa total (eV-barns)

25-Mn-52

Cross Section -93.78 To 2330. %

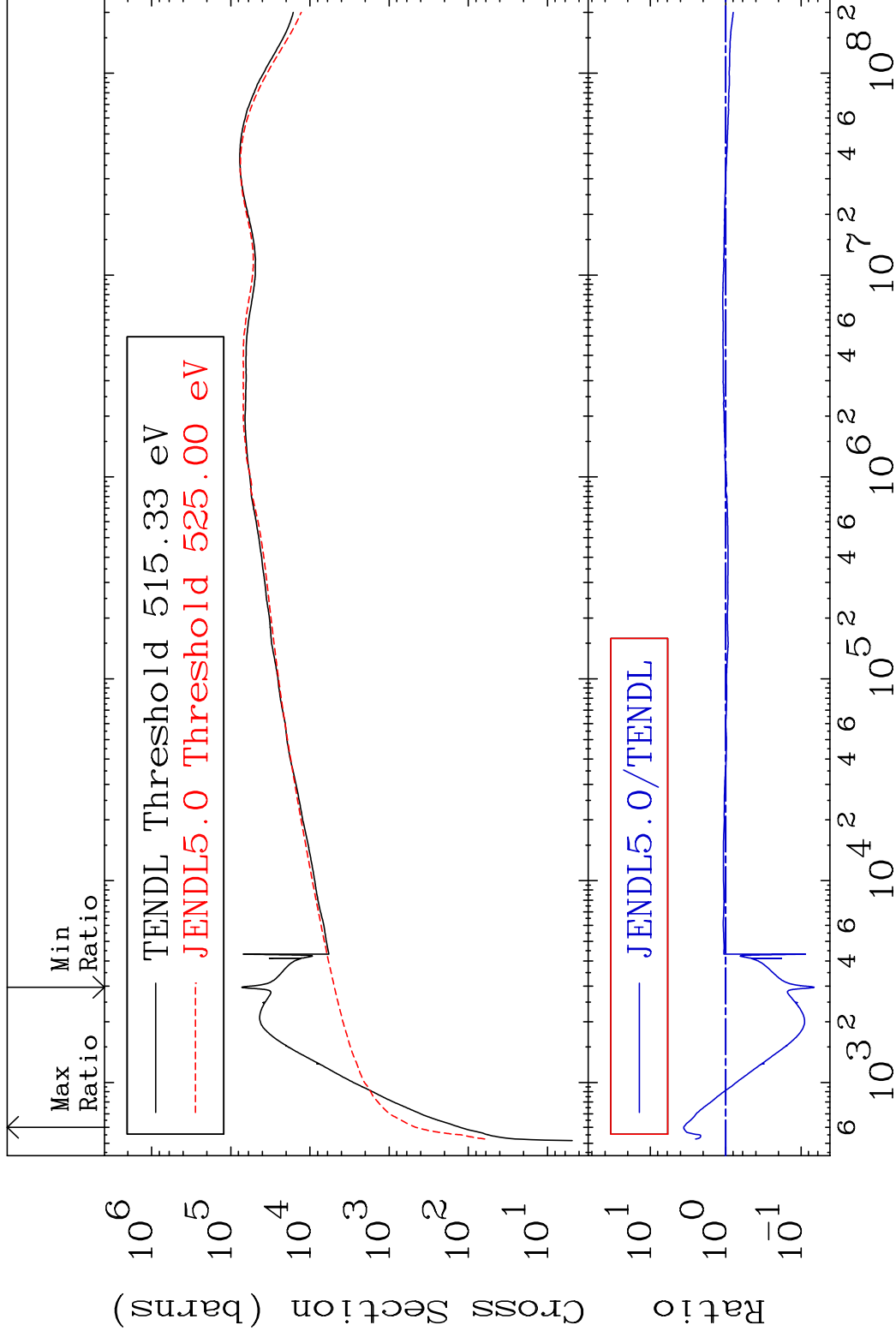


MAT 2516

Dpa elastic (mt2)

25-Mn-52

Cross Section -93.26 To 262.4 %

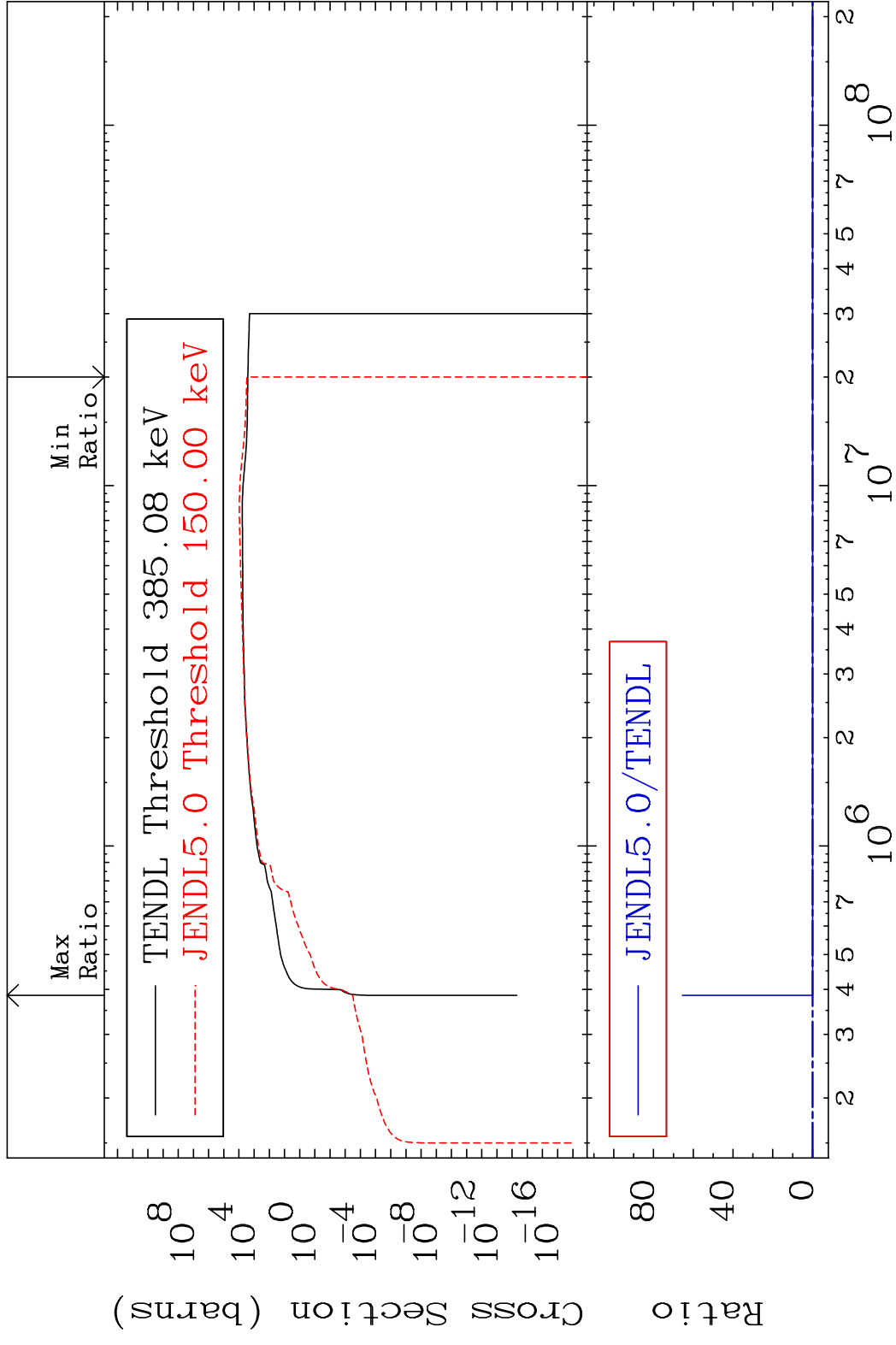


60

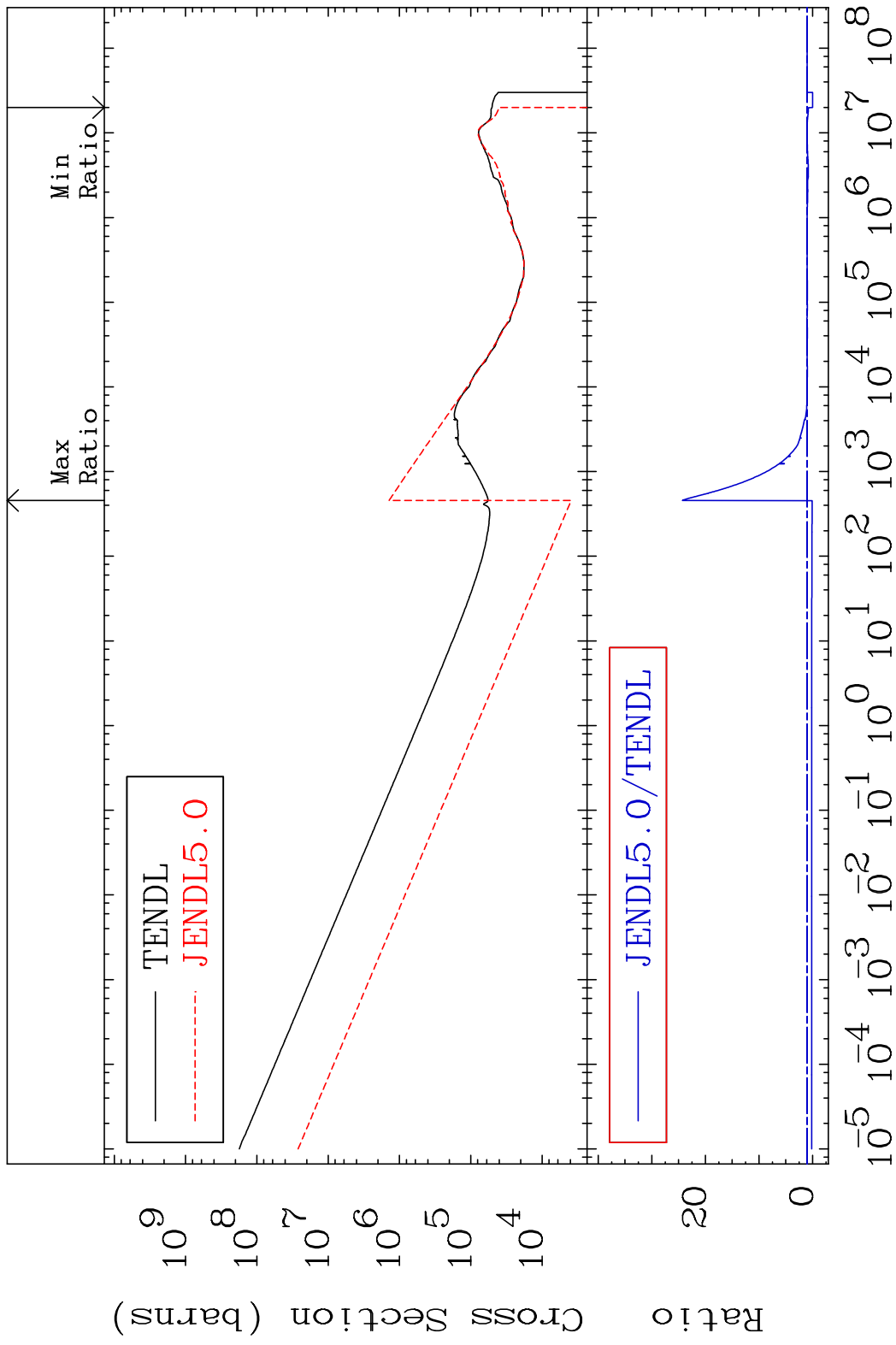
Incident Energy (eV)

25-Mn-52

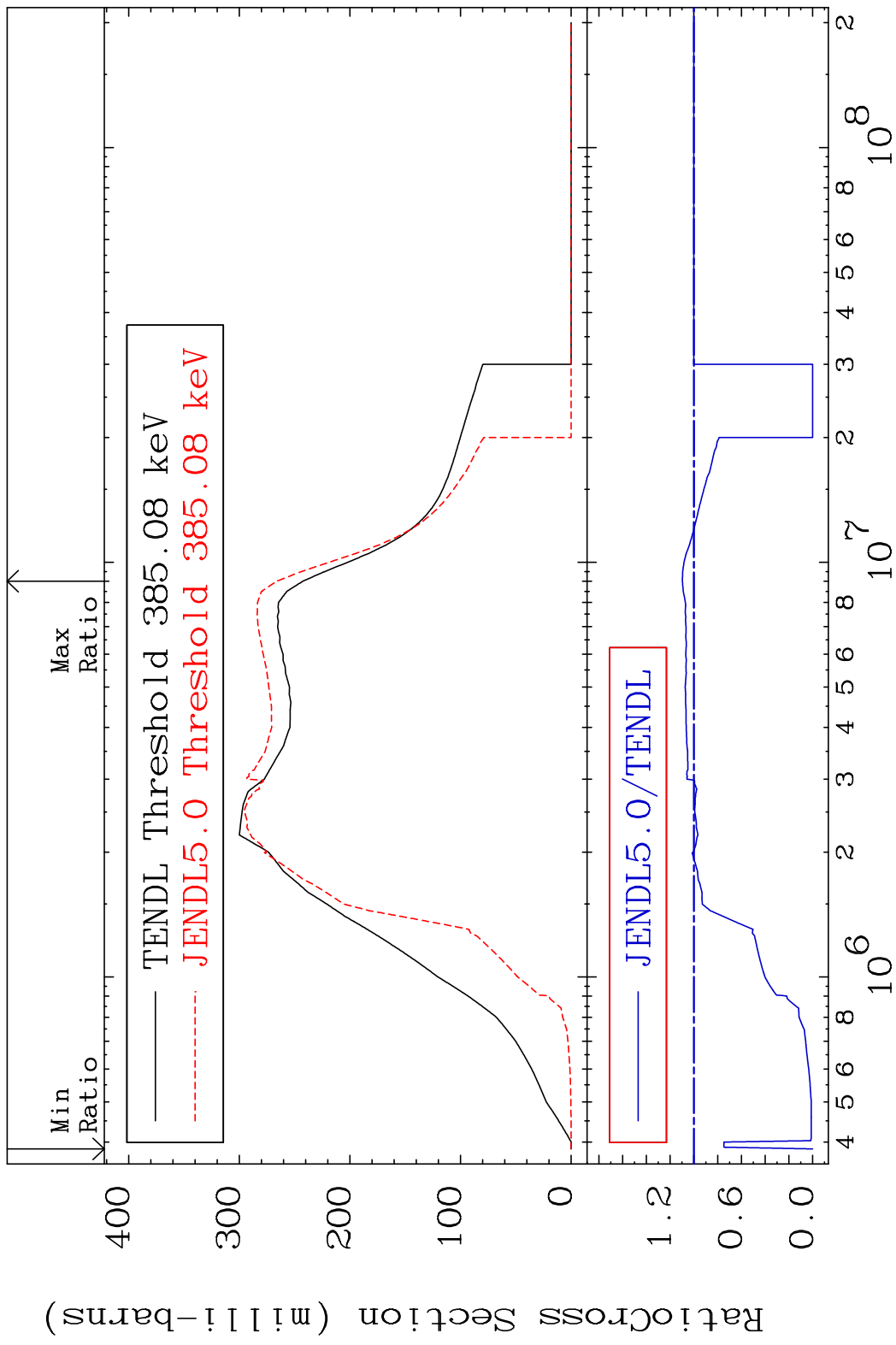
MAT 2516 Dpa inelastic (mt51-91) 25-Mn-52
 Cross Section -100.0 To 9999. %

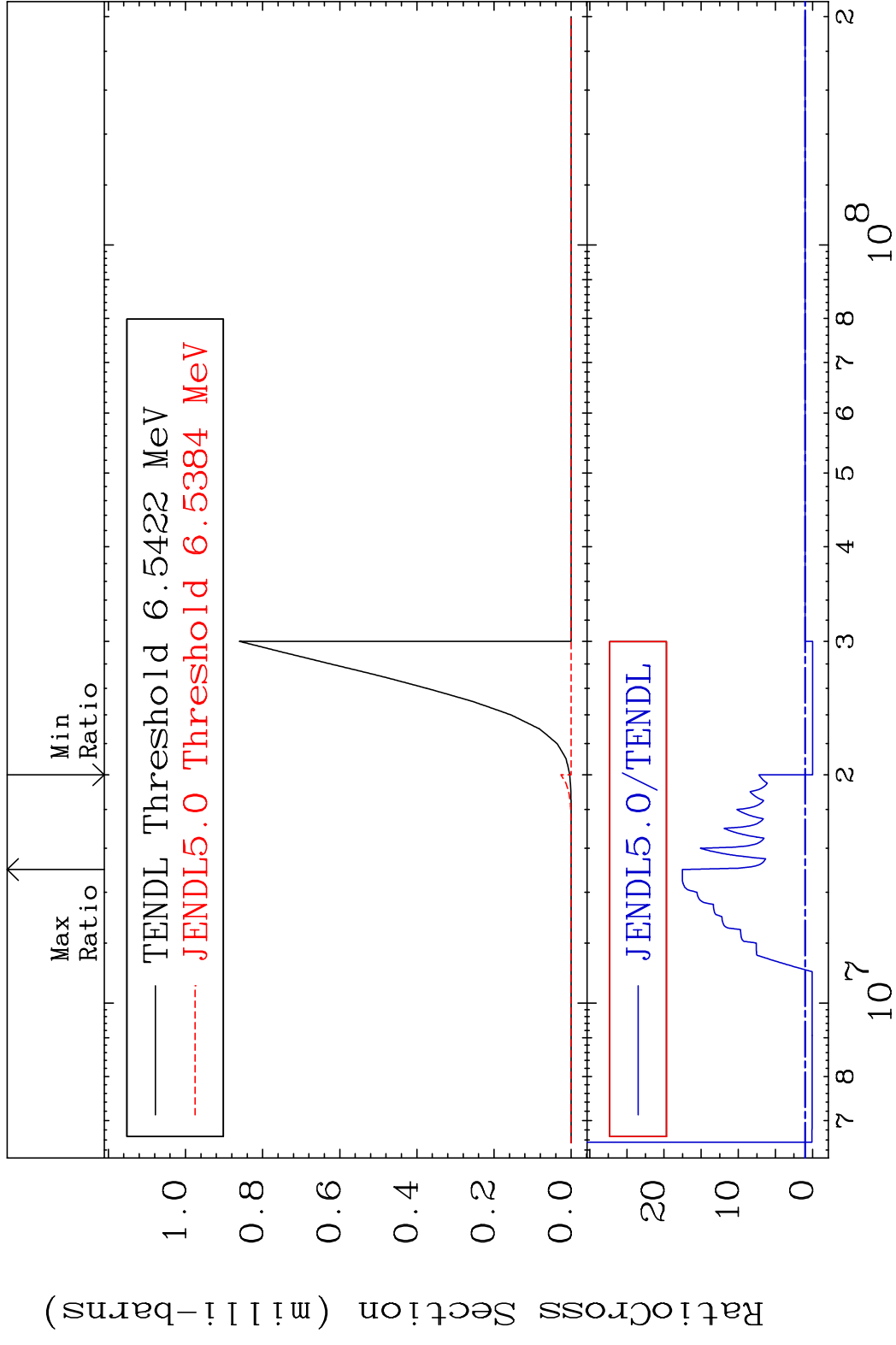


MAT 2516 Dpa disappearance (mt102 -120) 25-Mn-52
 Cross Section -100.0 To 2330. %

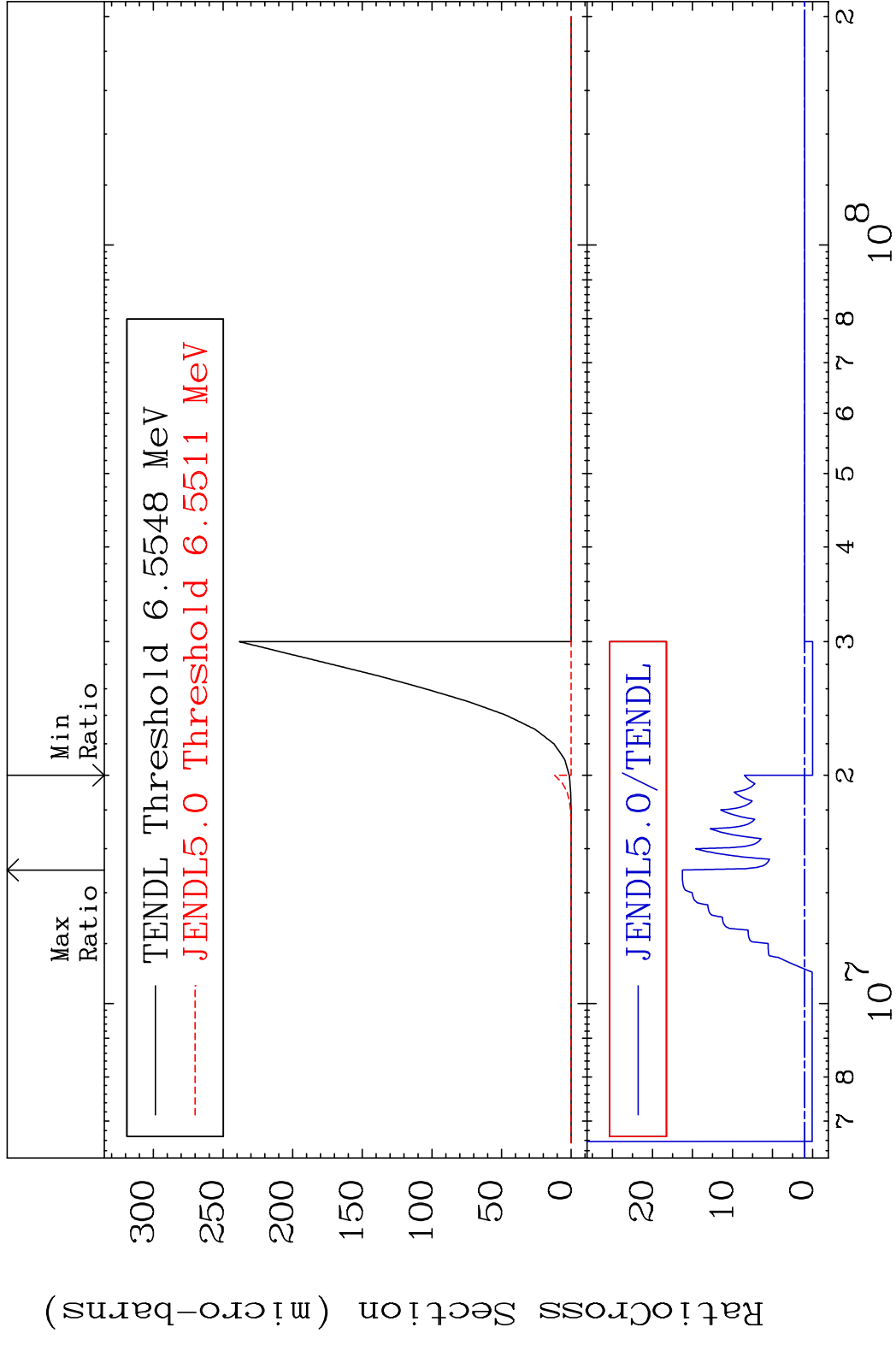


62 Incident Energy (eV) 25-Mn-52

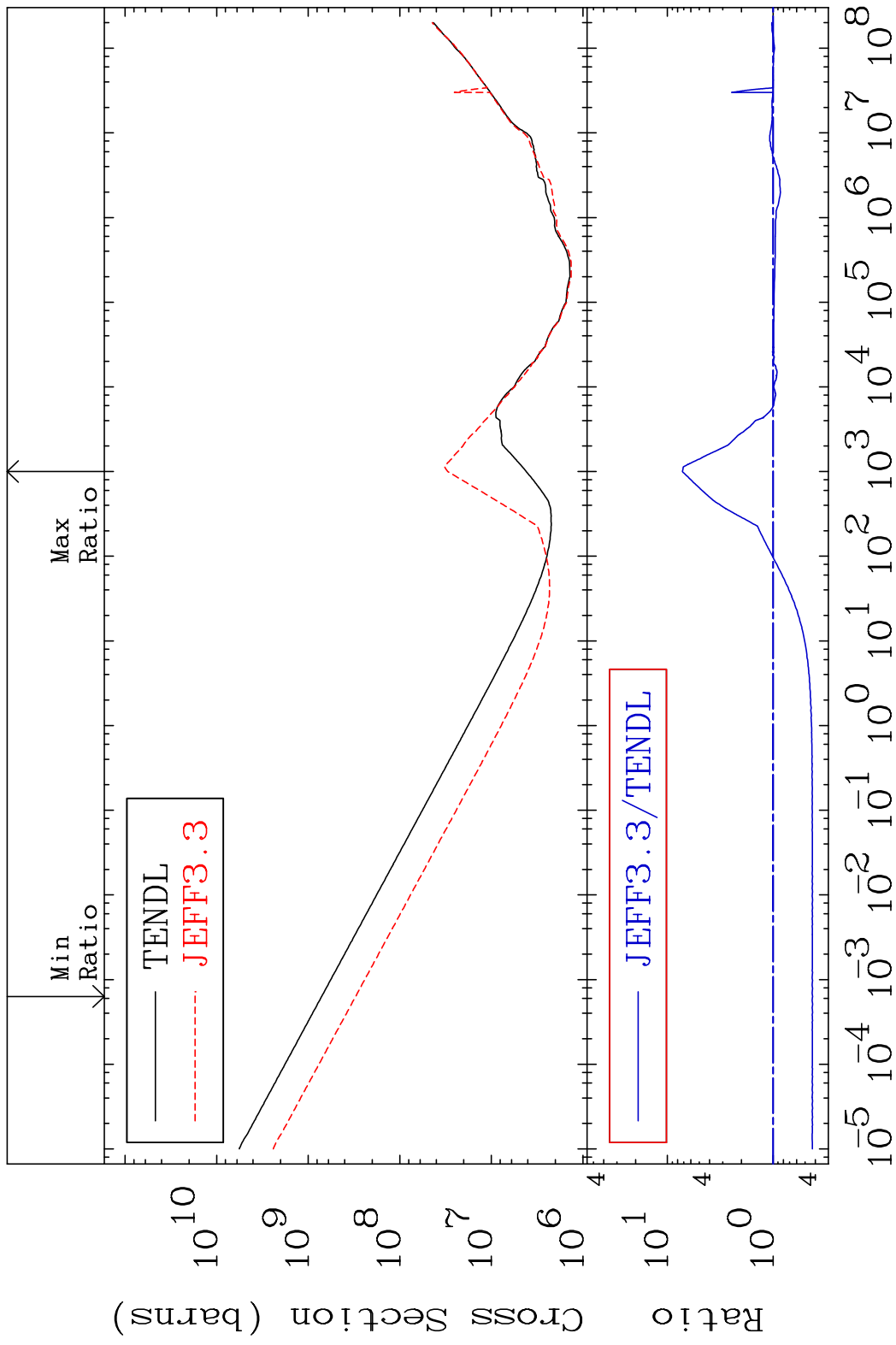




MAT 2516 (n,2α):21-Sc-45m1 25-Mn-52
 Radionuclide Production Cross Section 1527. %



MAT 2516 Total kinematic kerma (high limit) 25-Mn-52
 Cross Section -57.57 To 622.6 %

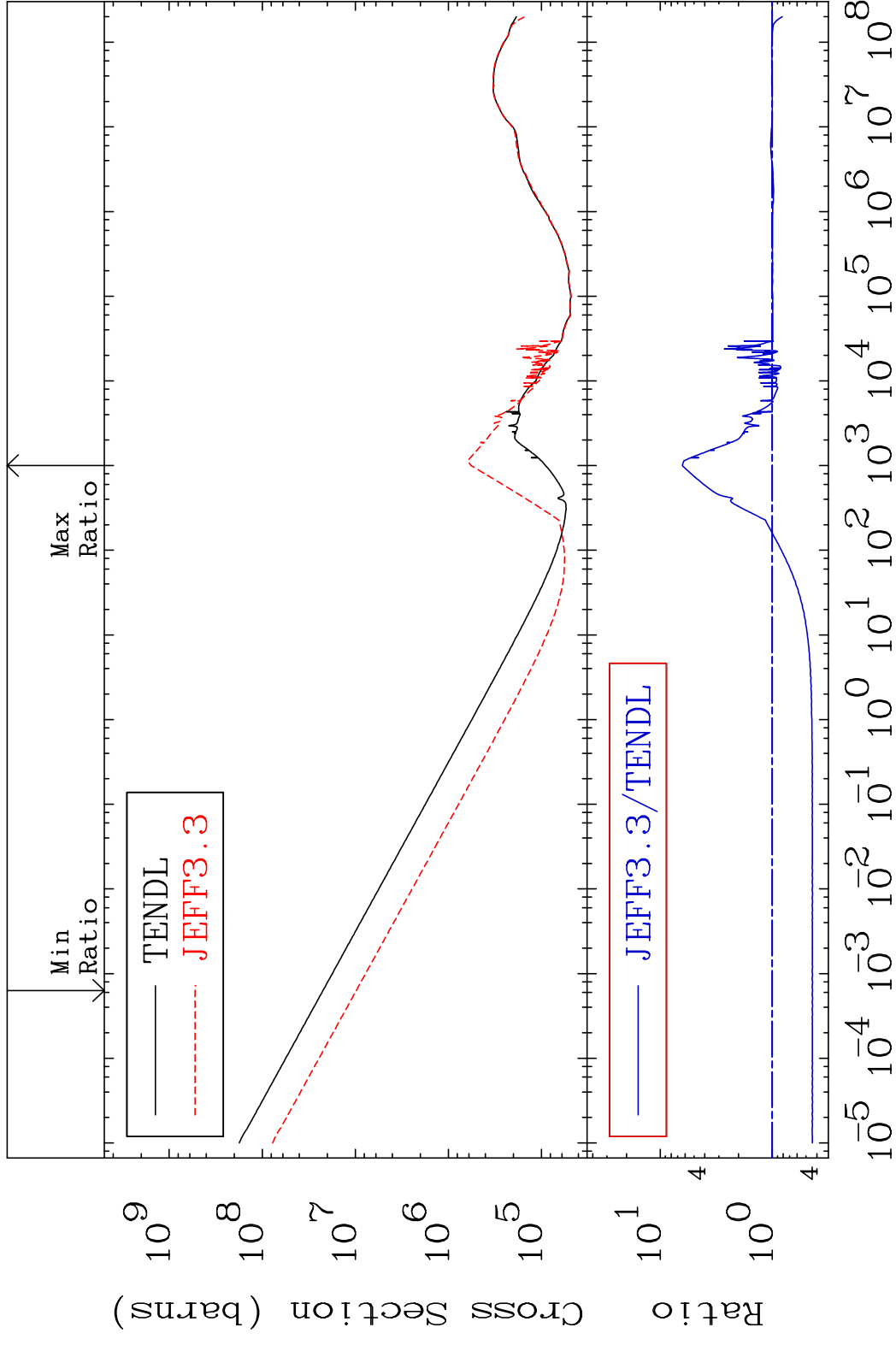


MAT 2516

Dpa total (eV-barns)

25-Mn-52

Cross Section -56.30 To 535.0 %



67

Incident Energy (eV)

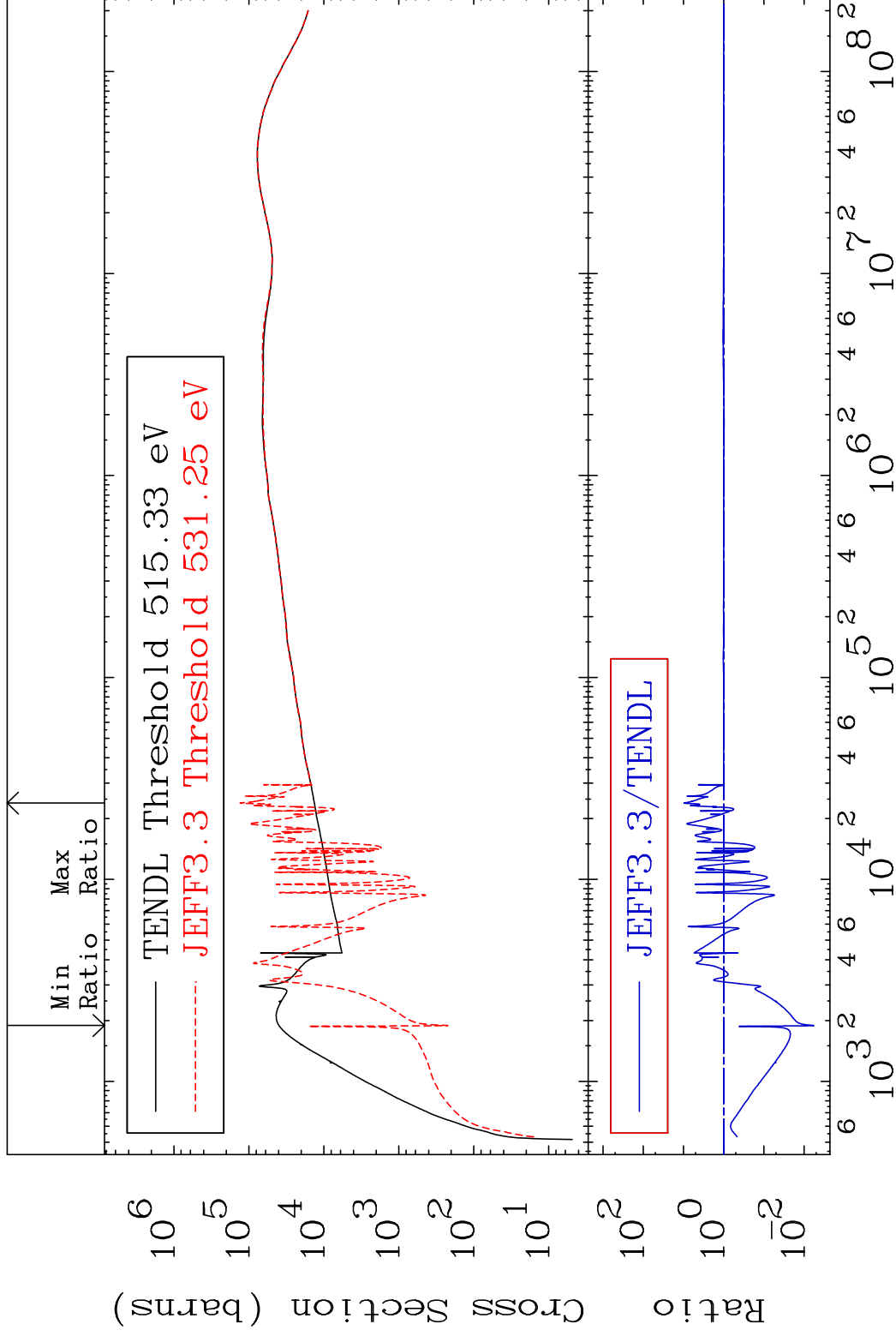
25-Mn-52

MAT 2516

Dpa elastic (mt2)

25-Mn-52

Cross Section -99.44 To 887.2 %

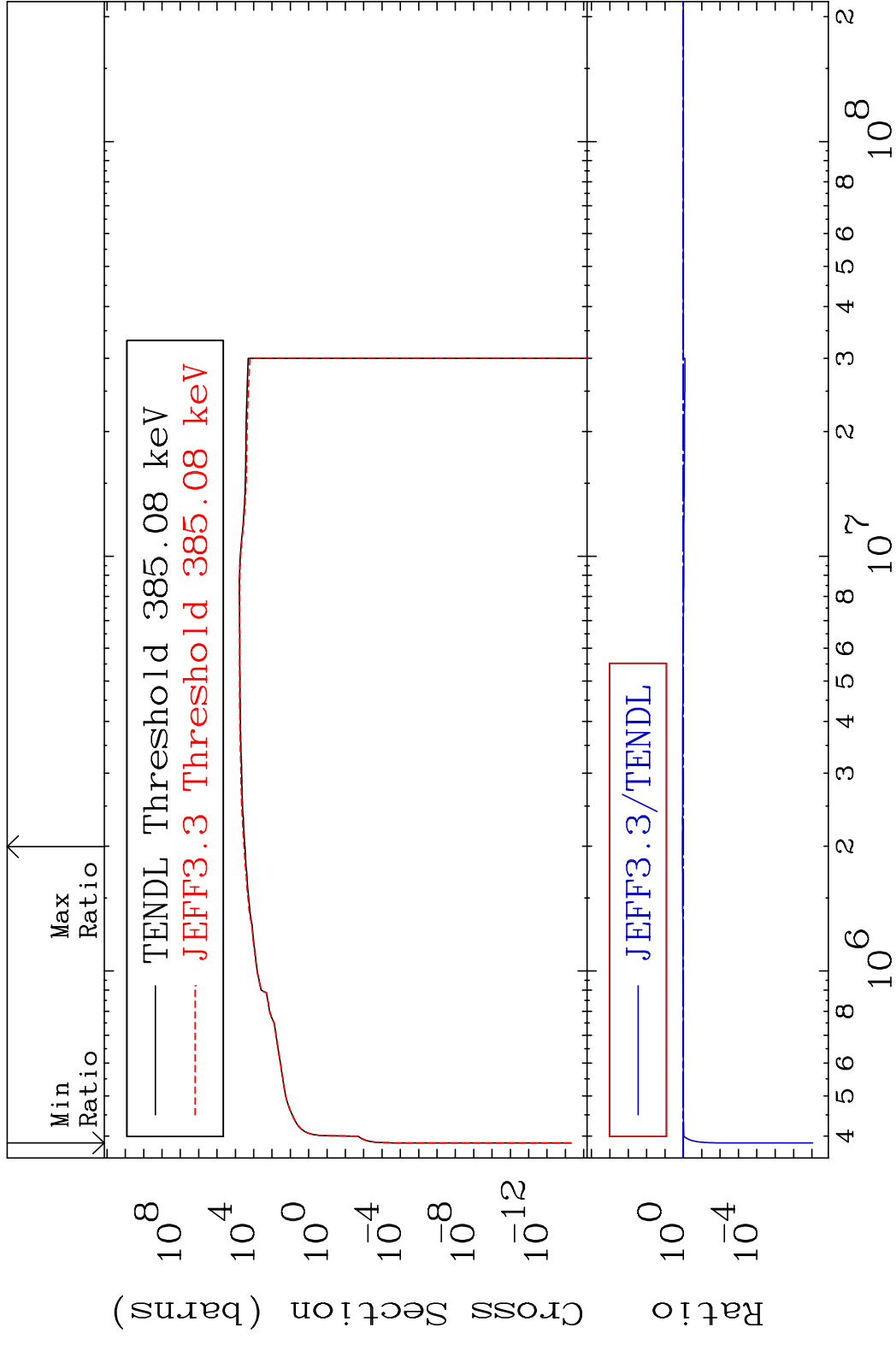


68

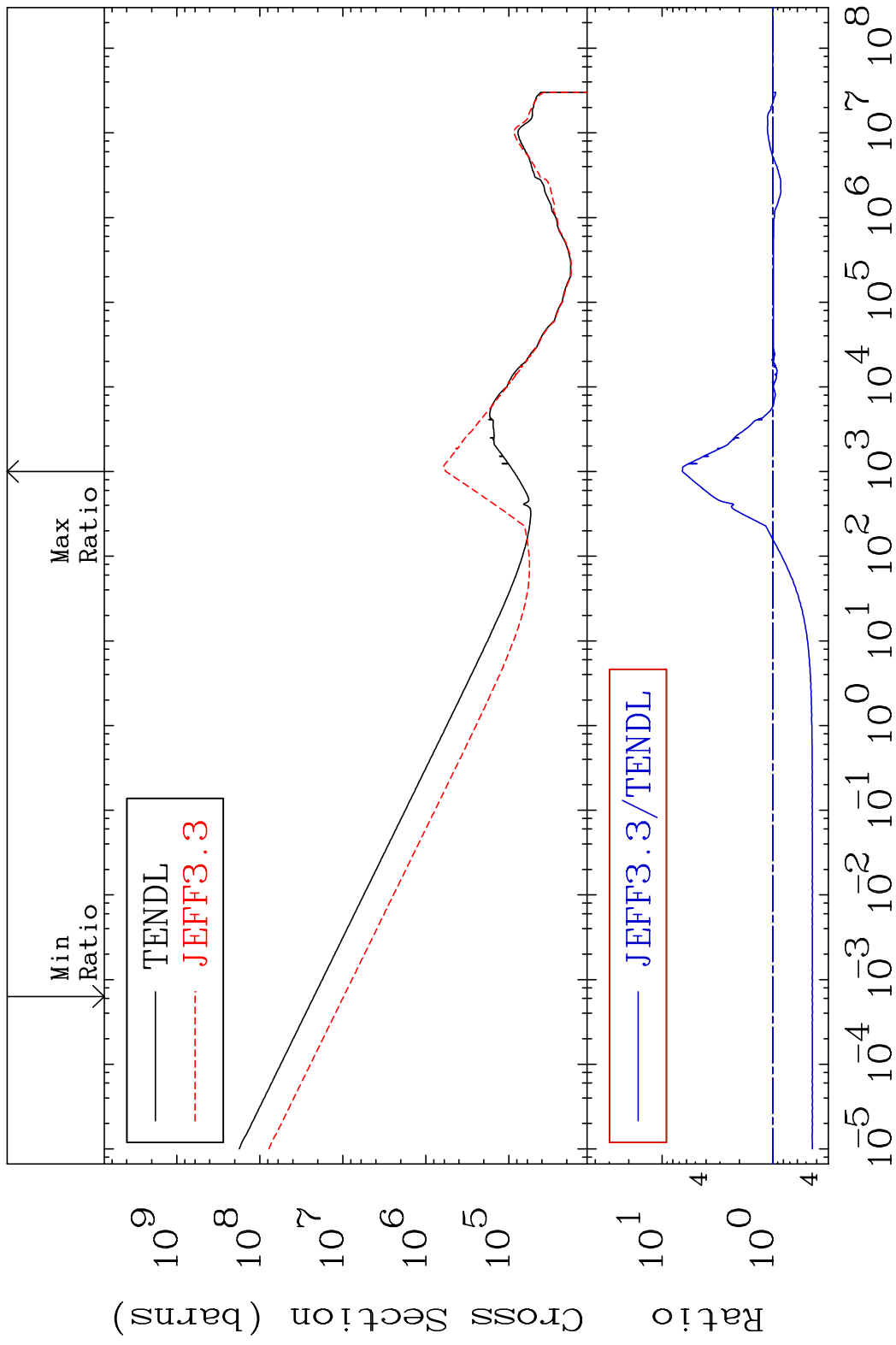
Incident Energy (eV)

25-Mn-52

MAT 2516 Dpa inelastic (mt51-91) 25-Mn-52
 Cross Section -100.0 To 13.20 %

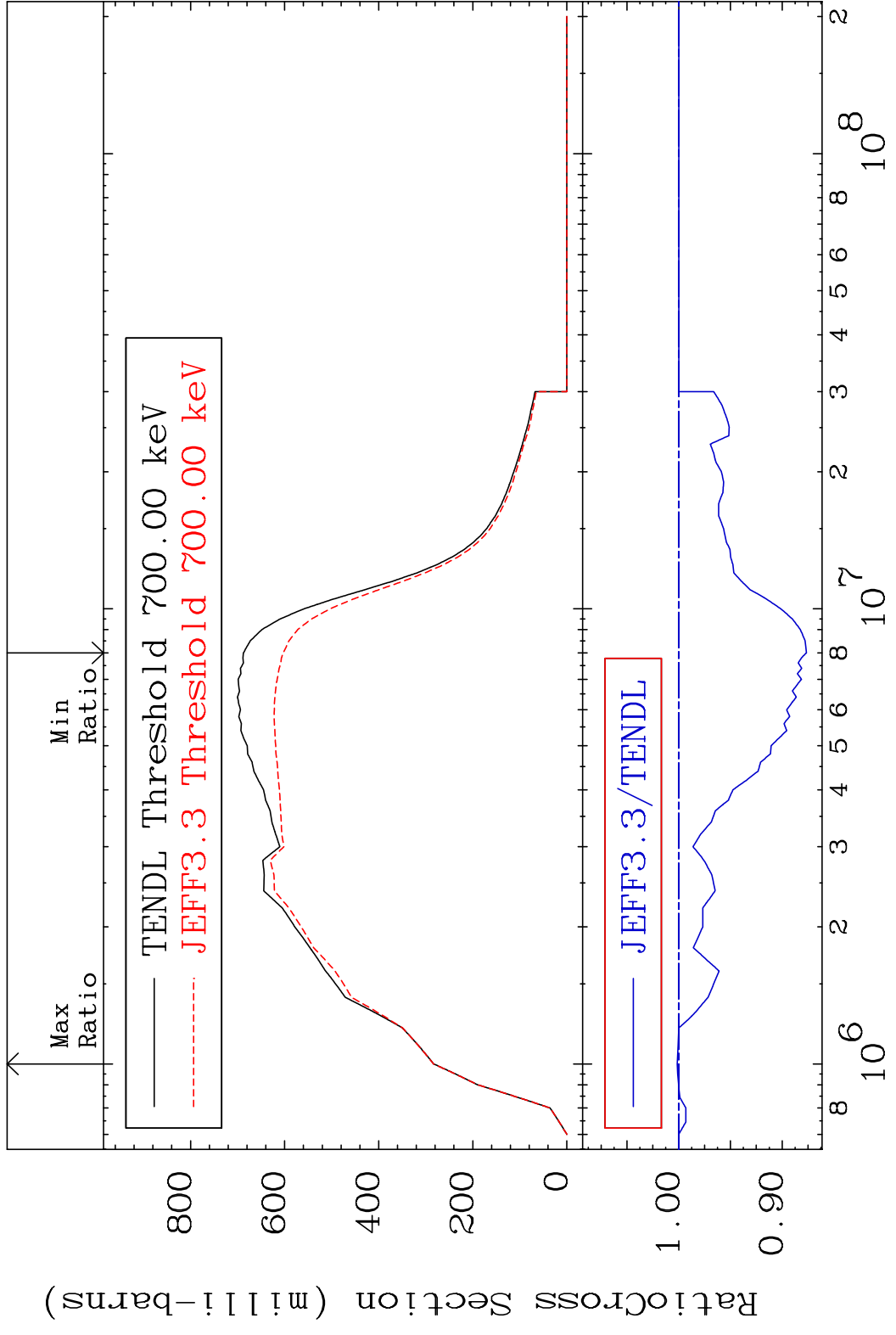


MAT 2516 Dpa disappearance (mt102 -120) 25-Mn-52
 Cross Section -56.30 To 555.2 %

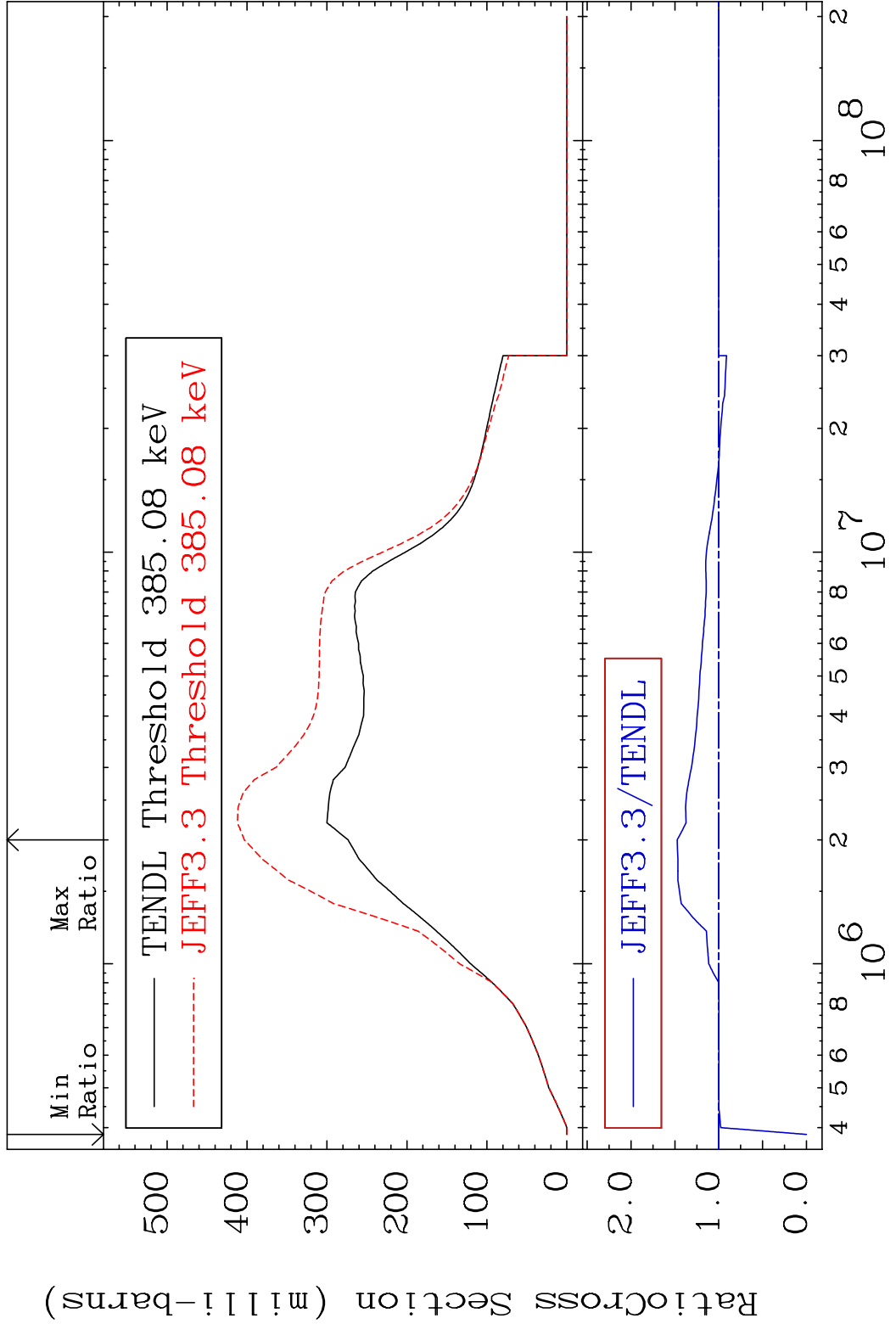


70 Incident Energy (eV) 25-Mn-52

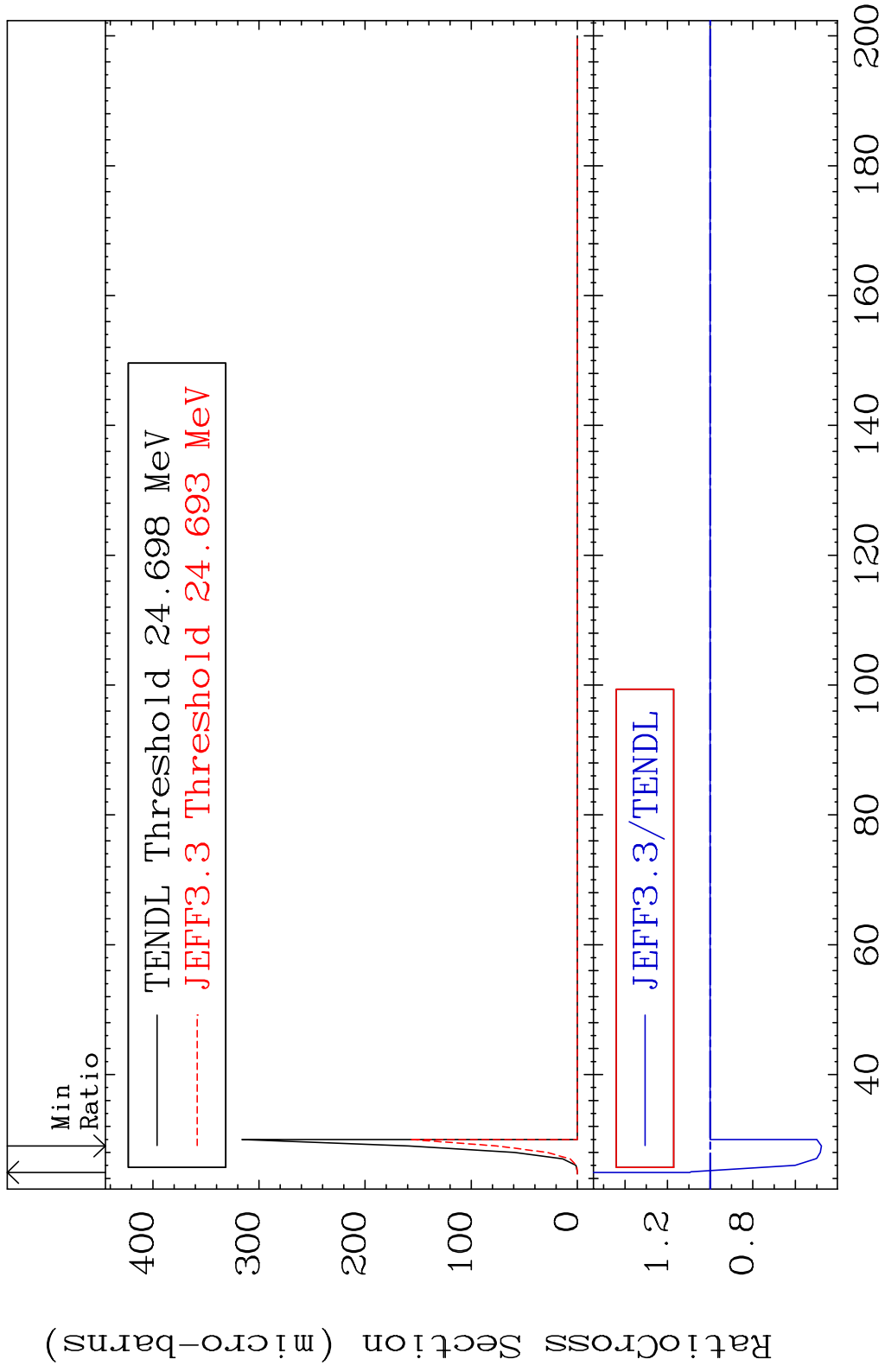
MAT 2516 Inelastic: 25-Mn-52g 25-Mn-52
 Radionuclide Production Cross Section 12.341 dno 0.148 %



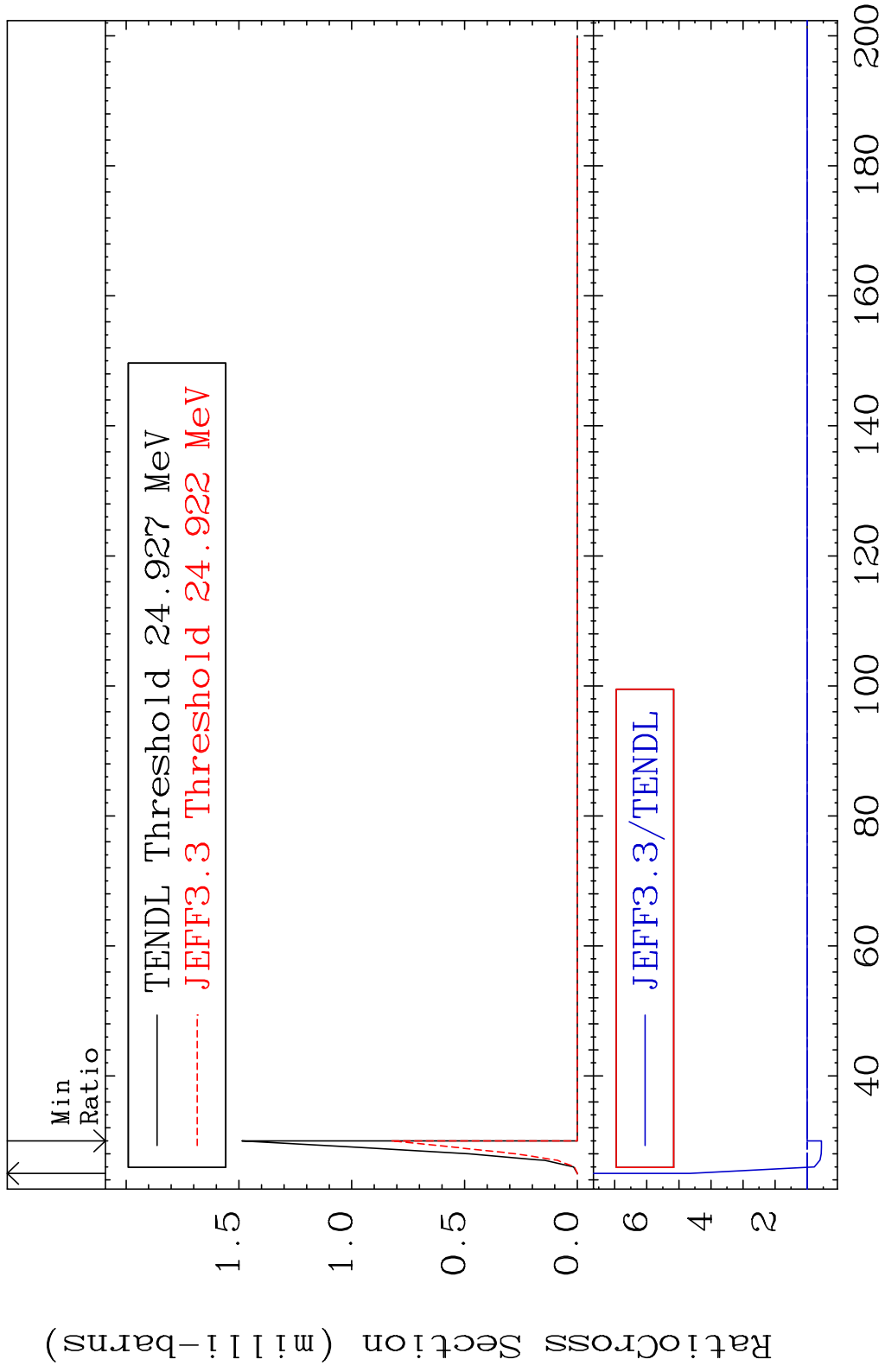
71 Incident Energy (eV) 25-Mn-52

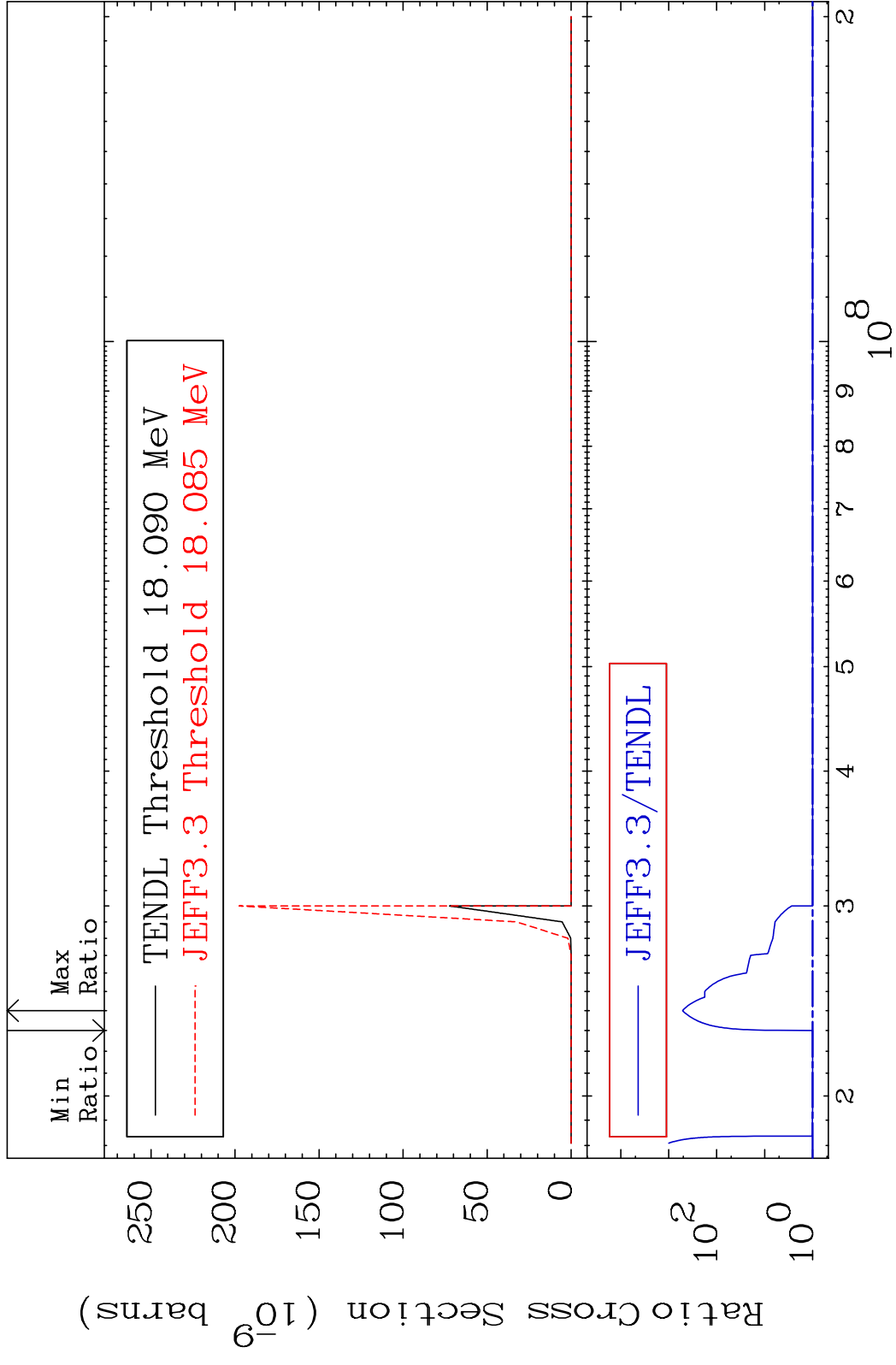


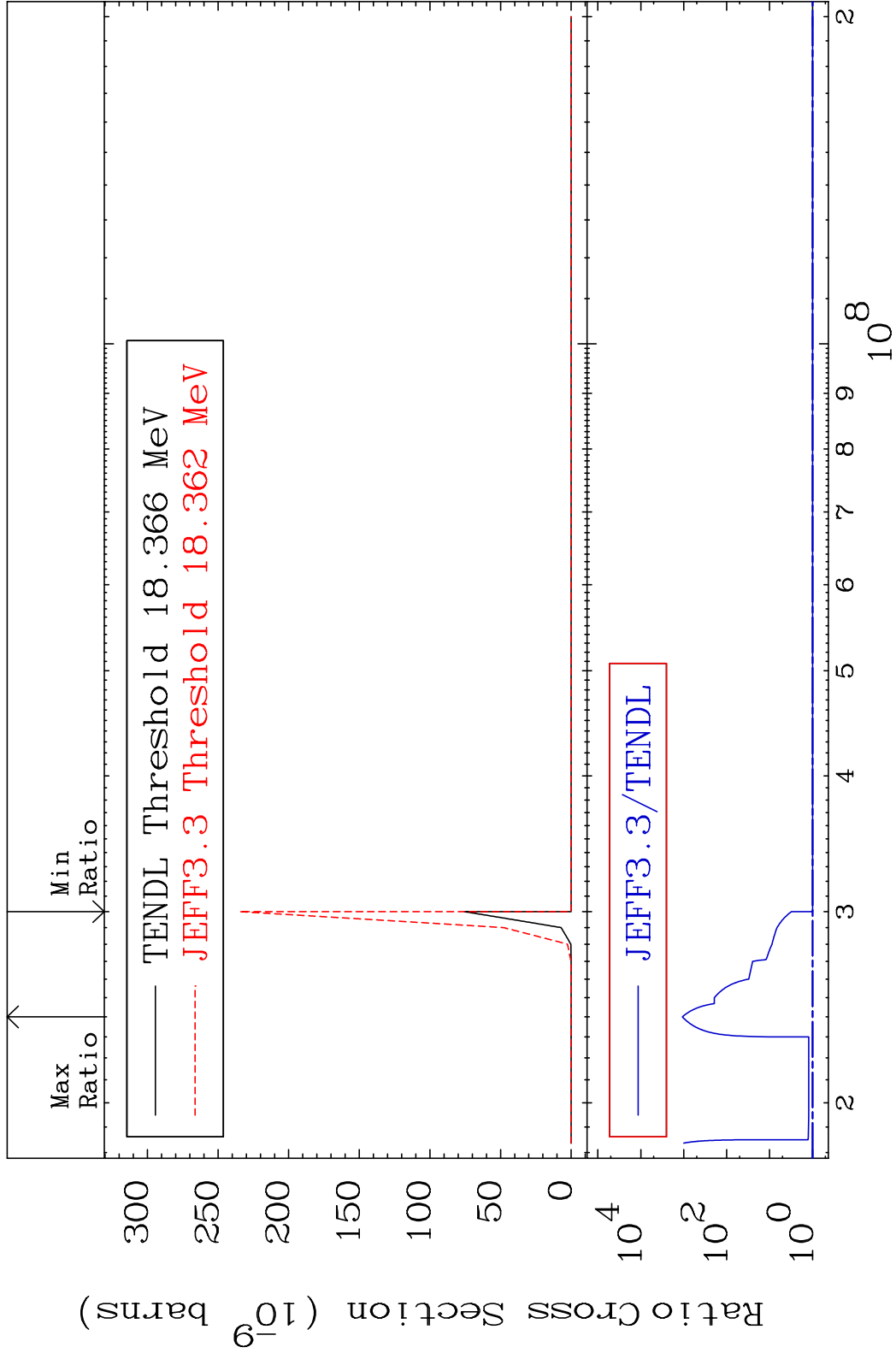
MAT 2516 (n,3n):25-Mn-50g 25-Mn-52
 Radionuclide Production Cross Section 52.582516 9.582 %



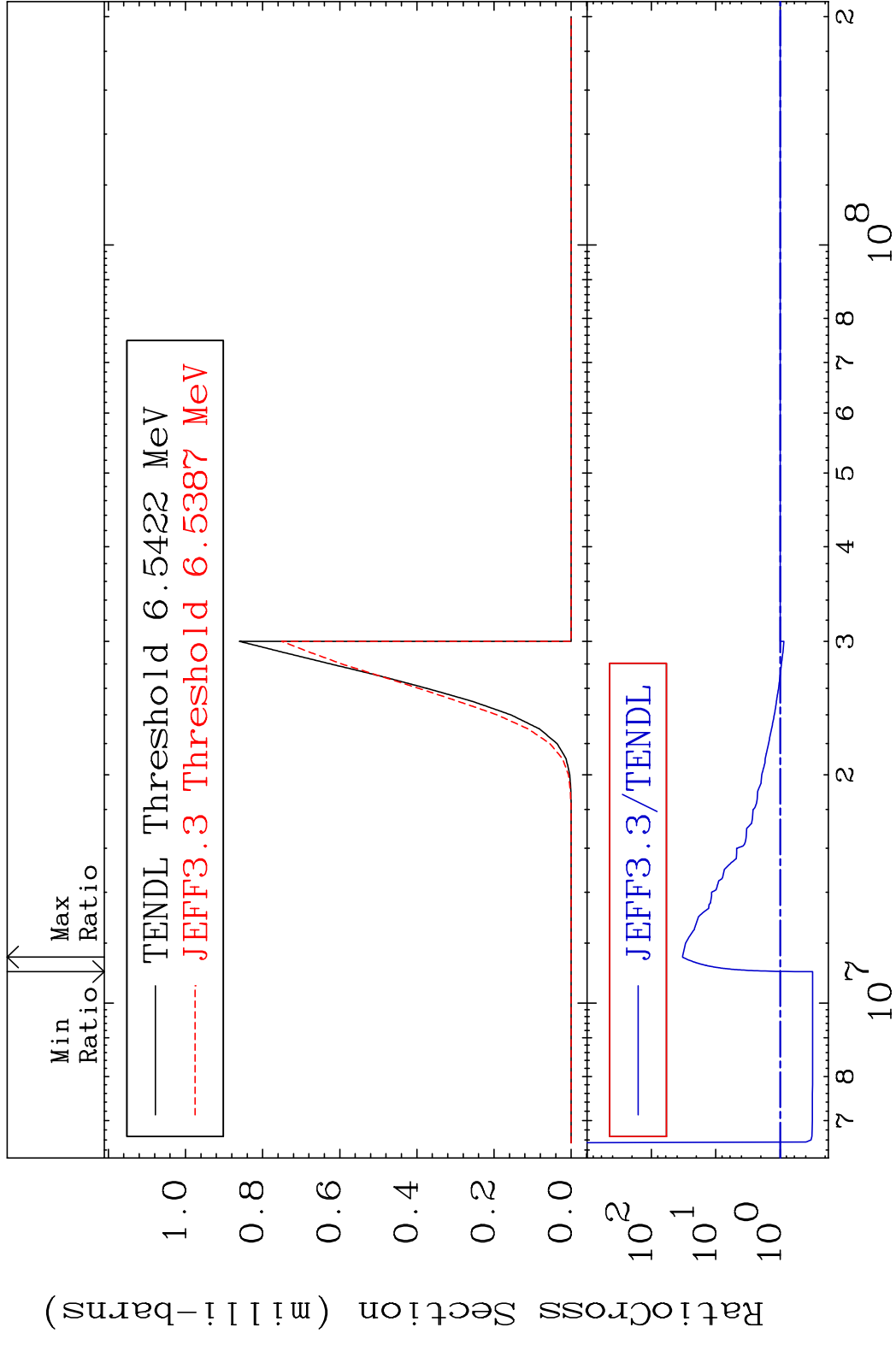
MAT 2516 (n,3n):25-Mn-50m1 25-Mn-52
 Radionuclide Production Cross Section 45.110 366.0 %







MAT 2516 (n,2α):21-Sc-45g 25-Mn-52
 Radionuclide Production Cross Section 68661 d10 3207. %



MAT 2516 (n,2α):21-Sc-45m1 25-Mn-52
 Radionuclide Production Cross Section 180.01 d10 3487. %

