

Program Complot
(Version 2021-1)

by

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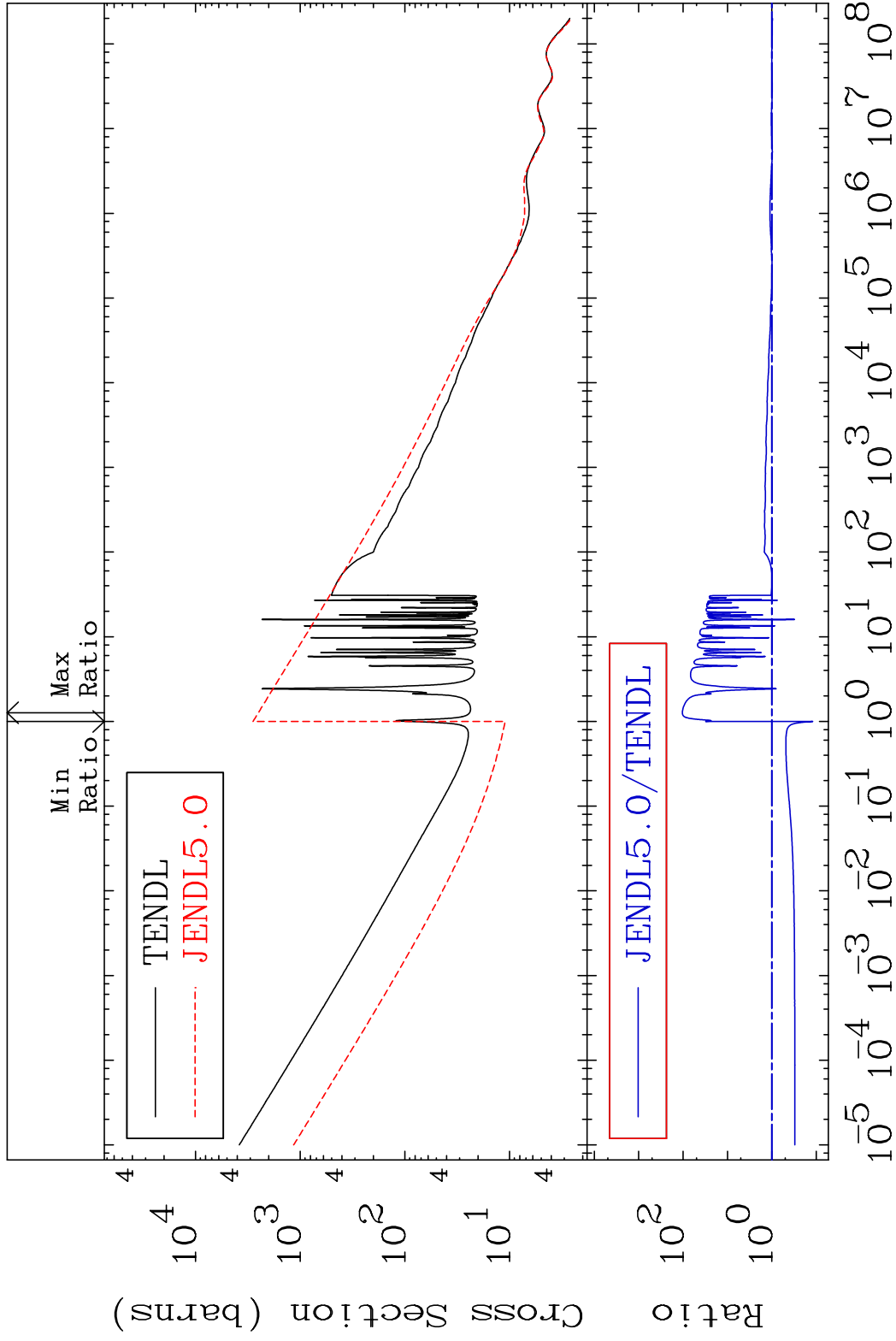
Press Mouse Button to Start

MAT 7228

Total

72-Hf-175

Cross Section -87.93 To 9999. %



1

Incident Energy (eV)

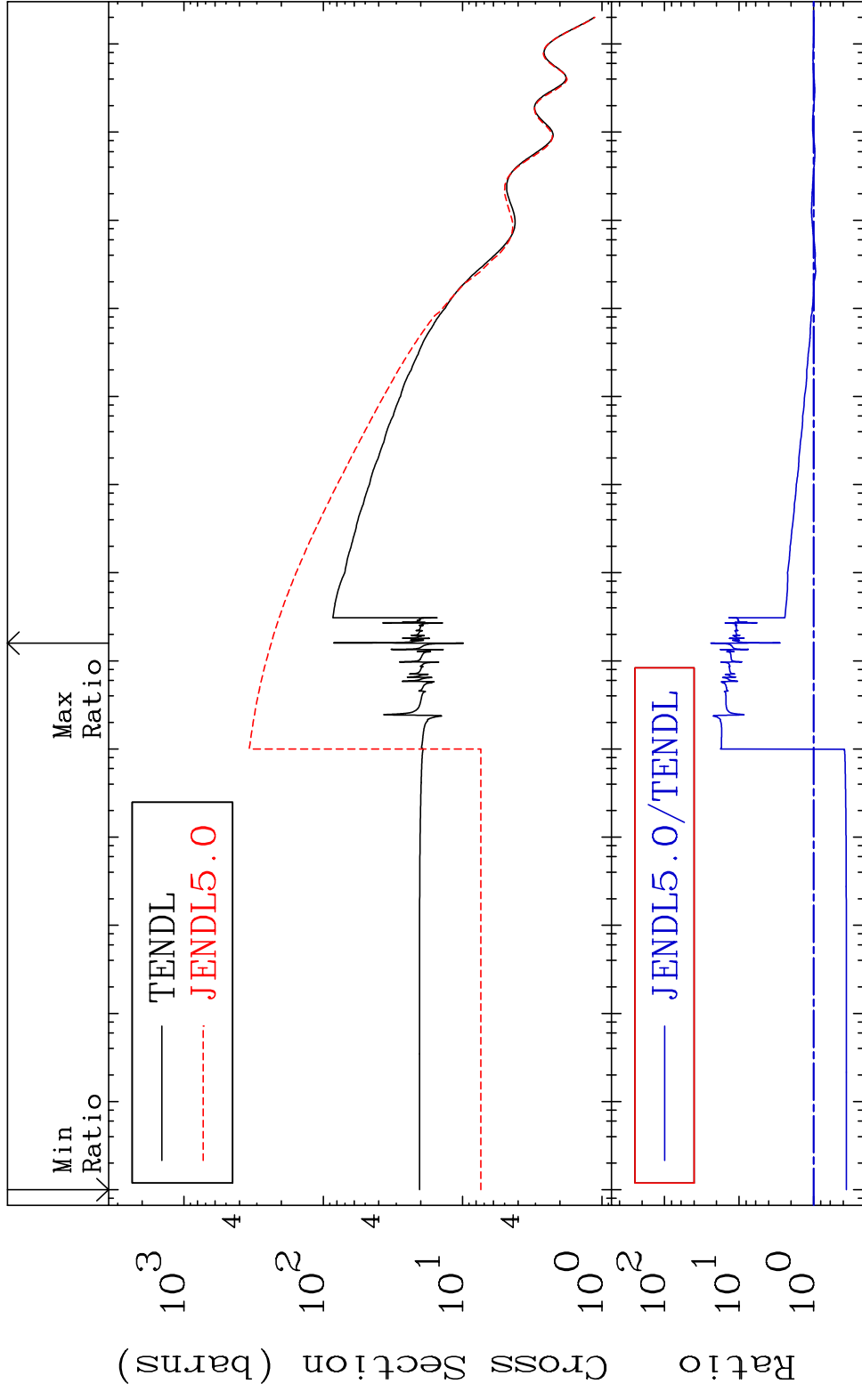
72-Hf-175

MAT 7228

72-Hf-175

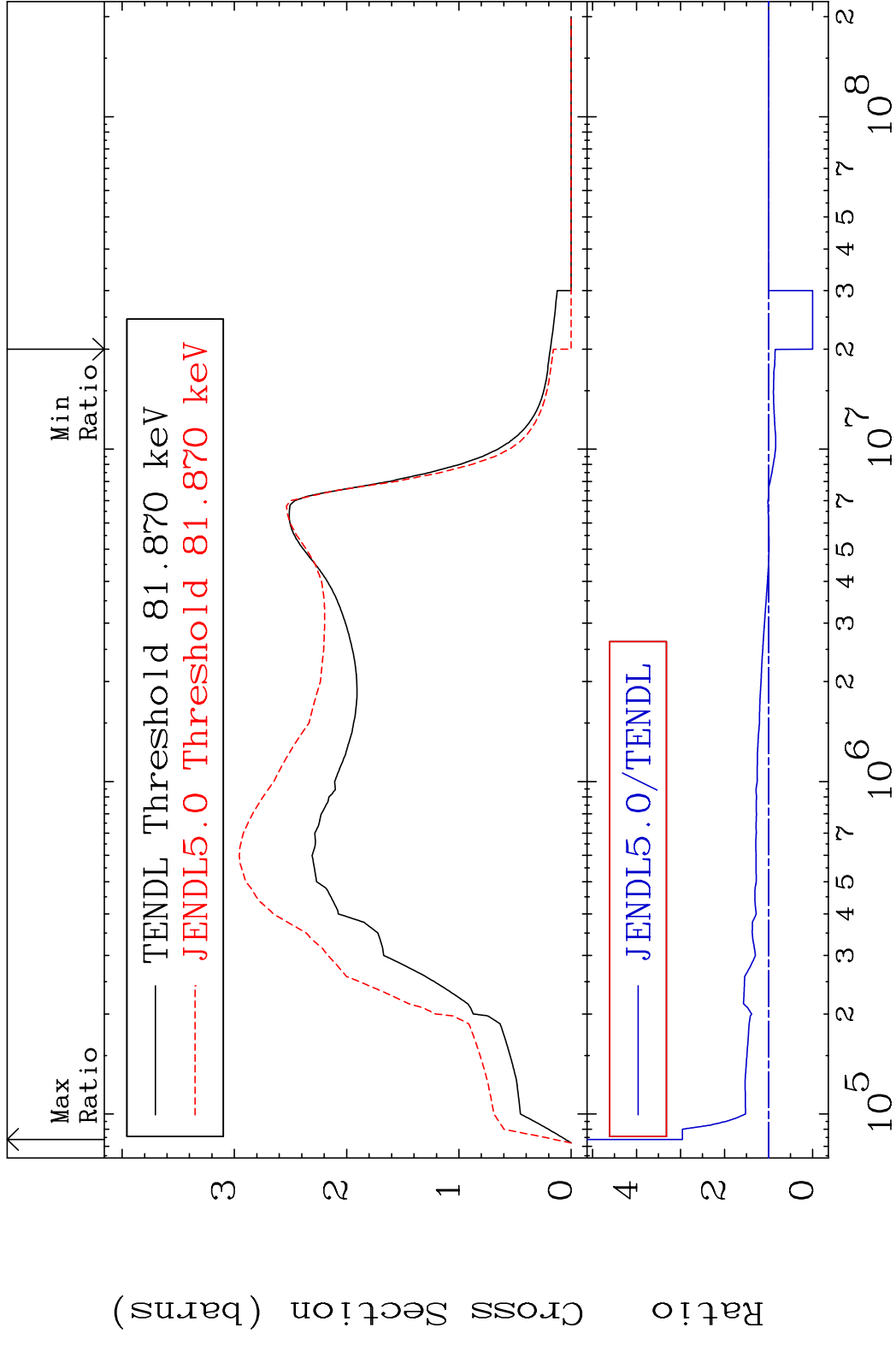
Elastic

Cross Section -63.64 To 2296. %



Incident Energy (eV)

MAT 7228 Inelastic 72-Hf-175
 Cross Section -100.0 To 195.8 %



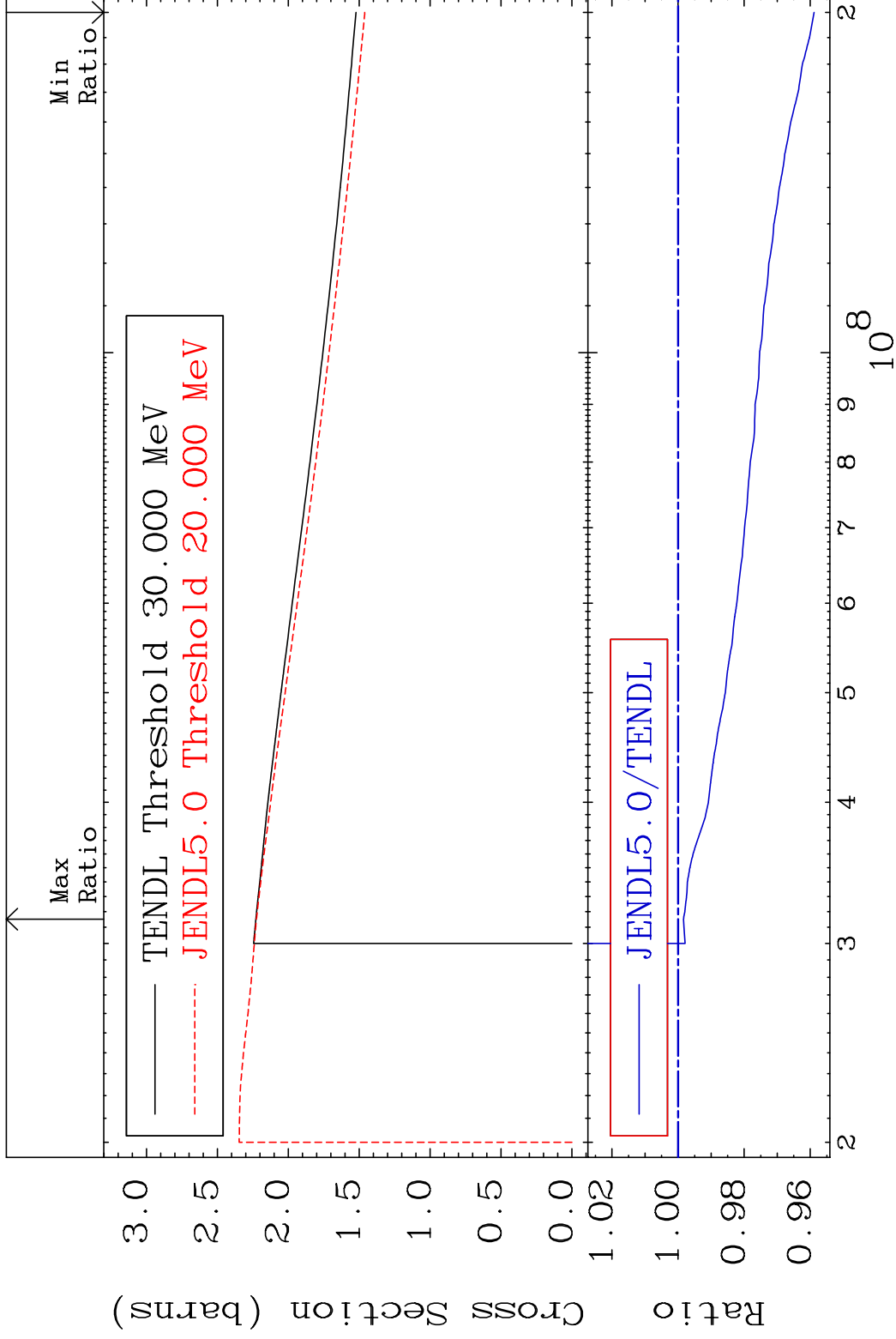
3 2 1 0 4 2 0 3 4 5 7 2 3 4 5 7 2 3 4 5 7 8 2
 10⁵ 10⁶ 10⁷ 10⁸
 3 72-Hf-175

MAT 7228

(n, remainder)

72-Hf-175

Cross Section -4.114 To -0.163%

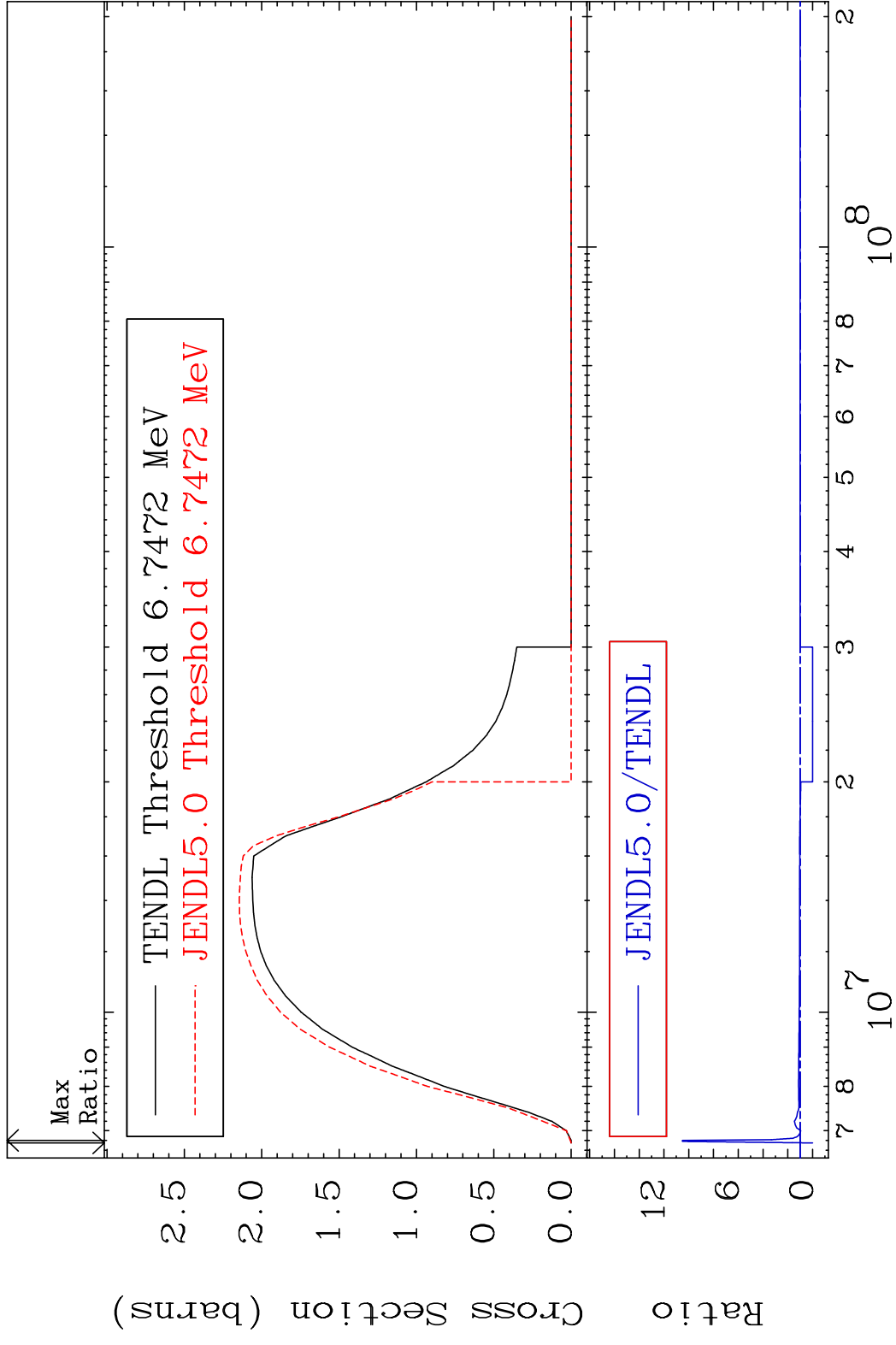


4

Incident Energy (eV)

72-Hf-175

MAT 7228 (n,2n) 72-Hf-175
 Cross Section -100.0 To 951.4 %



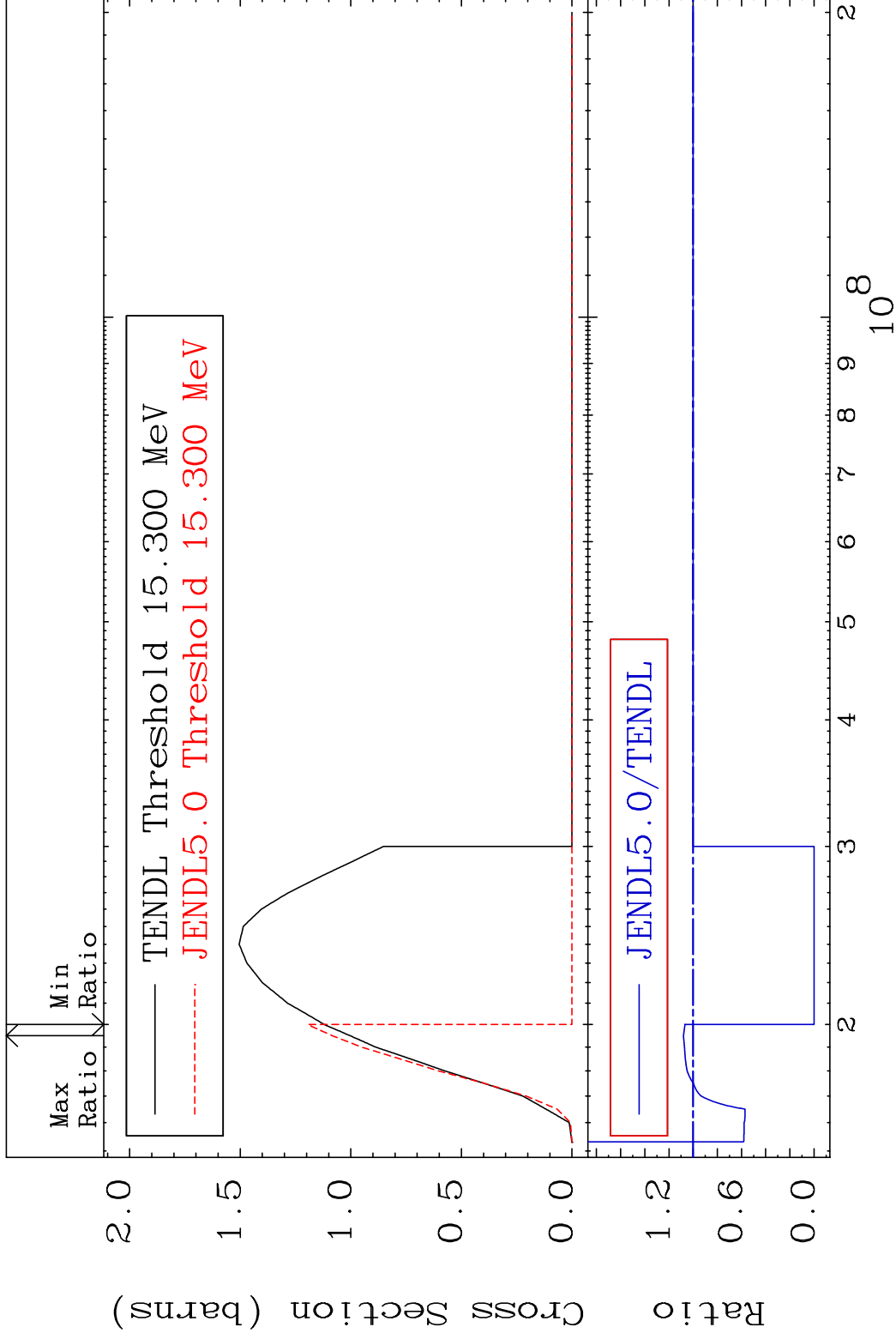
5 Incident Energy (eV) 72-Hf-175

MAT 7228

(n,3n)

72-Hf-175

Cross Section -100.0 To 8.019 %



6

Incident Energy (eV)

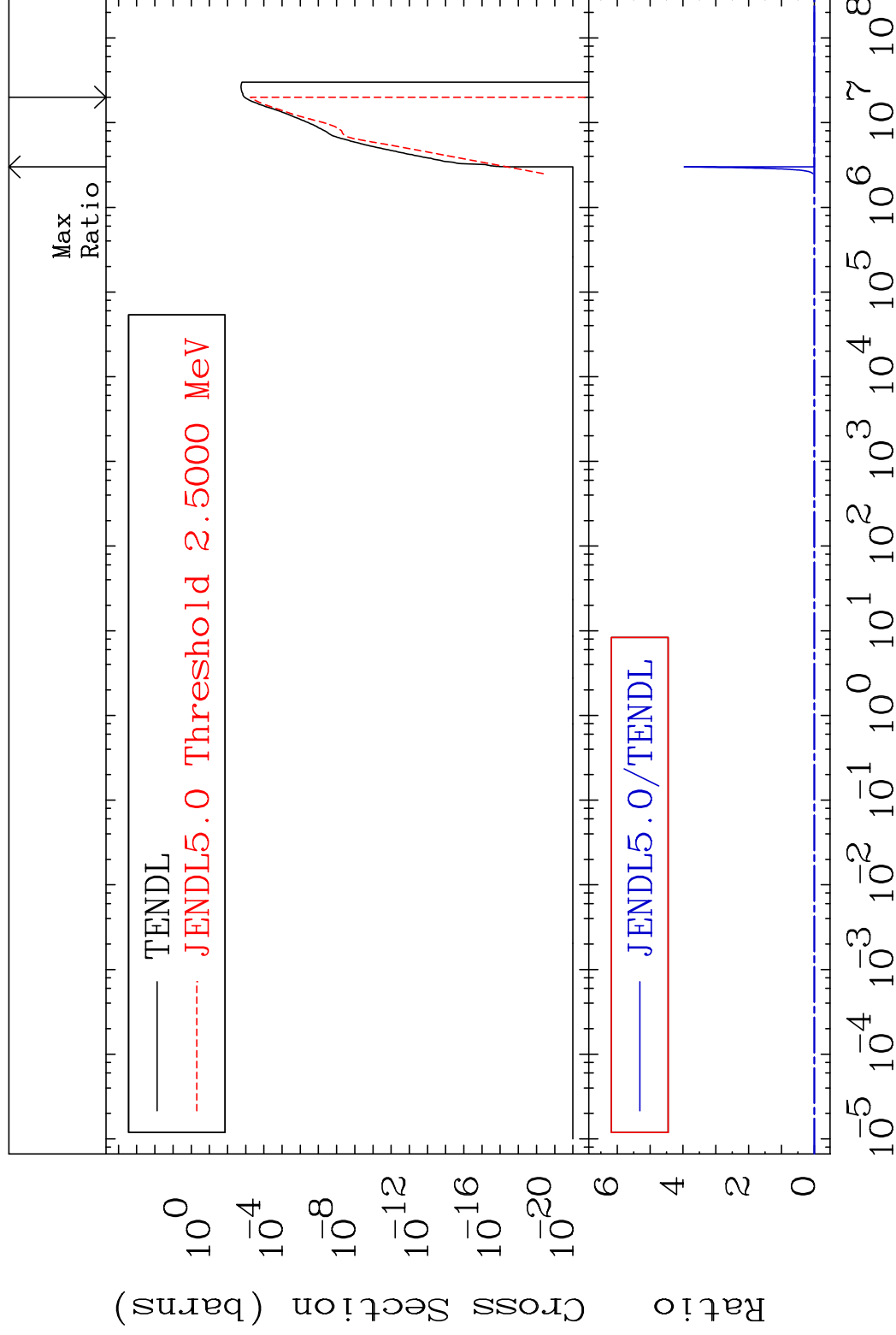
72-Hf-175

MAT 7228

(n, n') α

72-Hf-175

Cross Section -100.0 To 9999. %

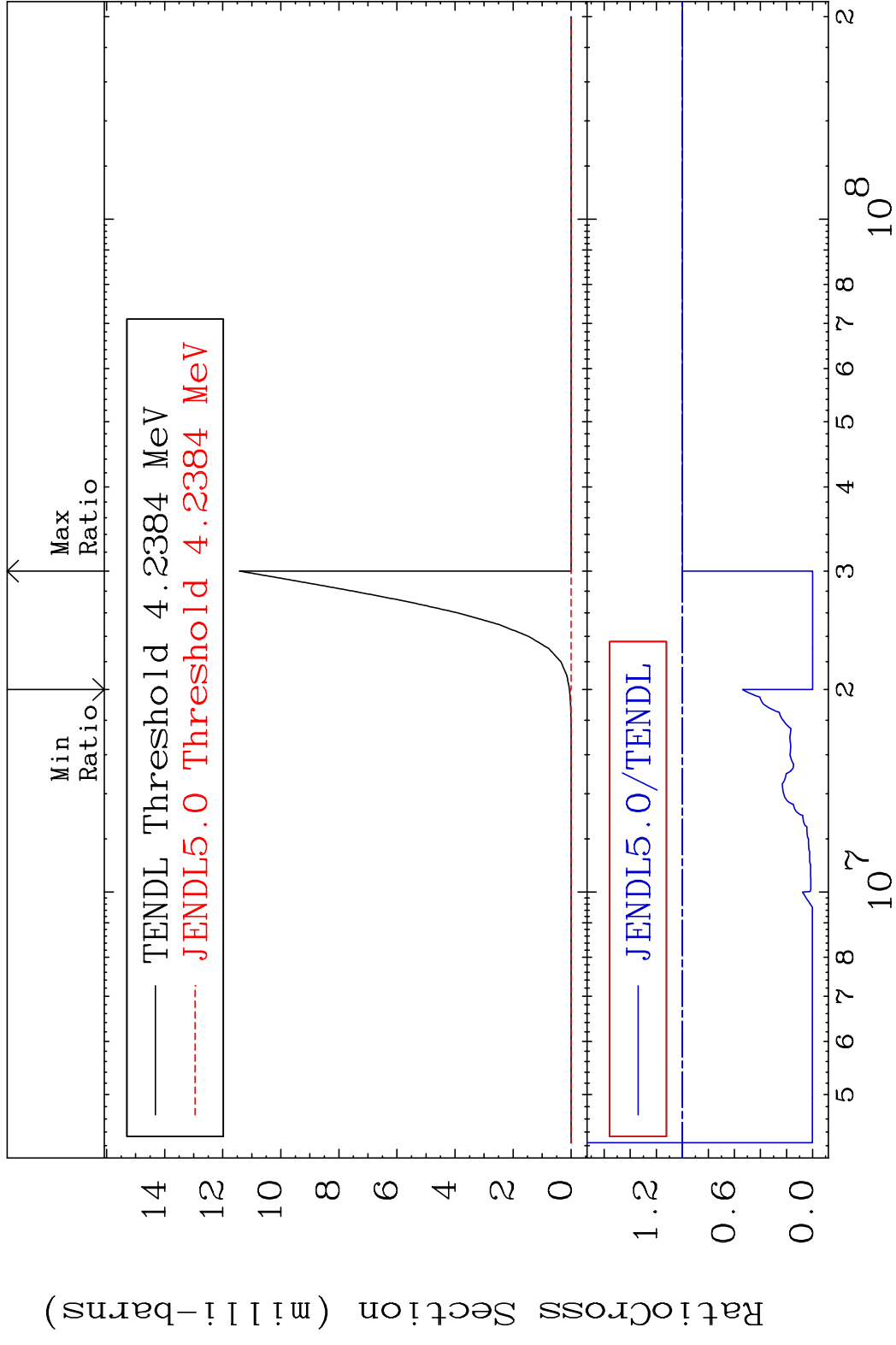


7

Incident Energy (eV)

72-Hf-175

MAT 7228 (n,2n) α 72-Hf-175
 Cross Section -100.0 To 0.000 %

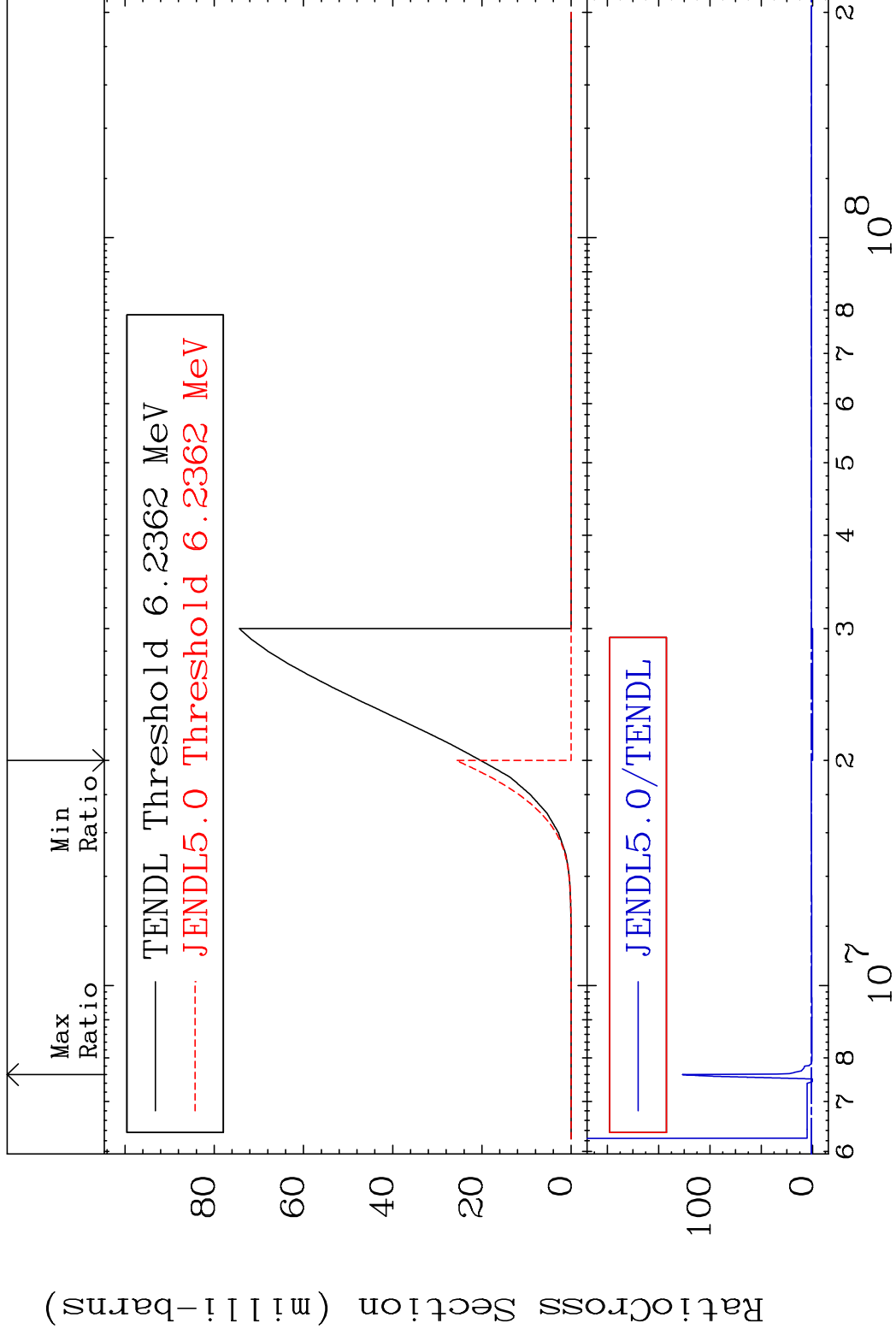


MAT 7228

(n, n') p

72-Hf-175

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

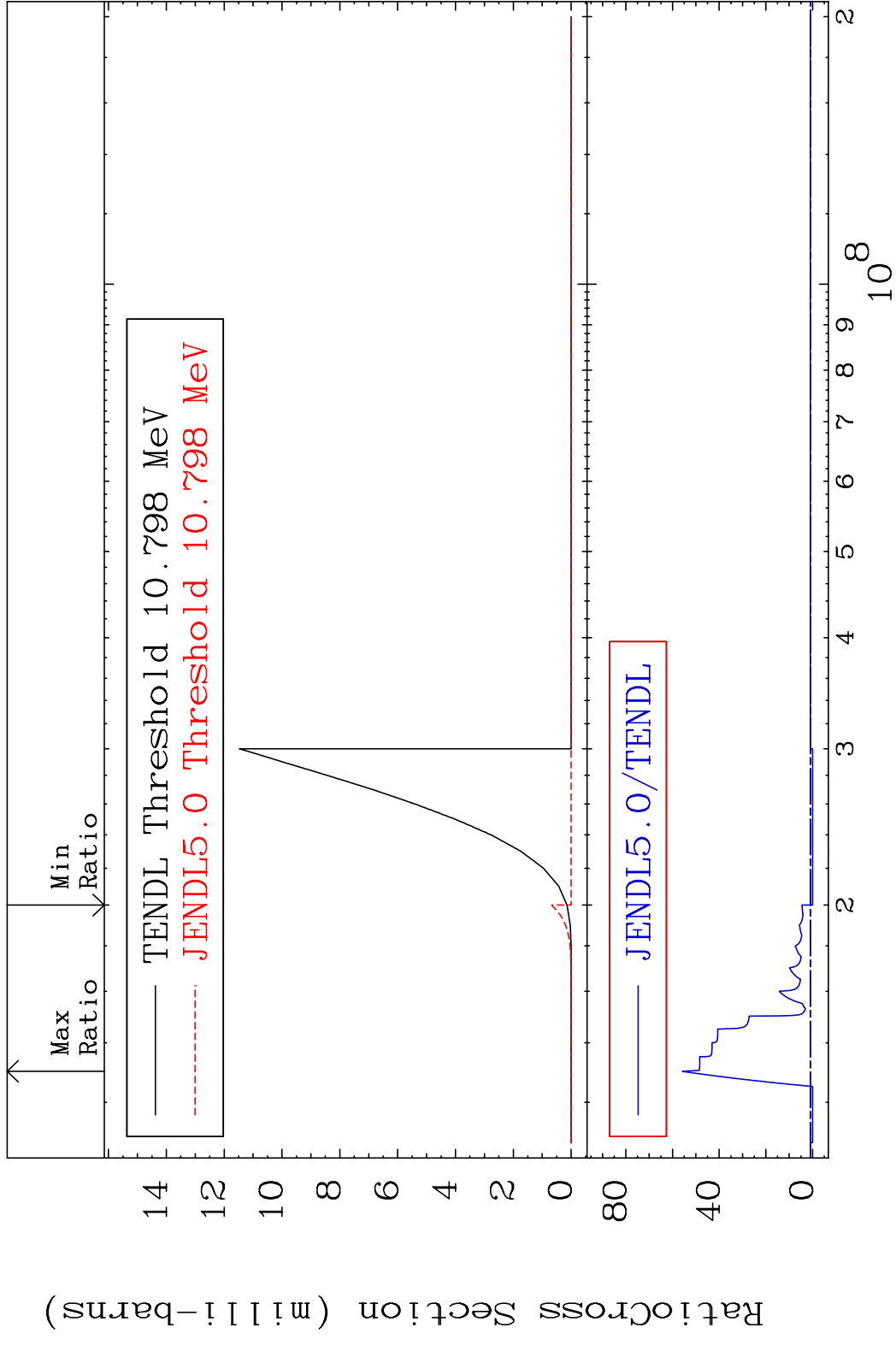
72-Hf-175

MAT 7228

(n, n') d

72-Hf-175

Cross Section -100.0 To 5479. %

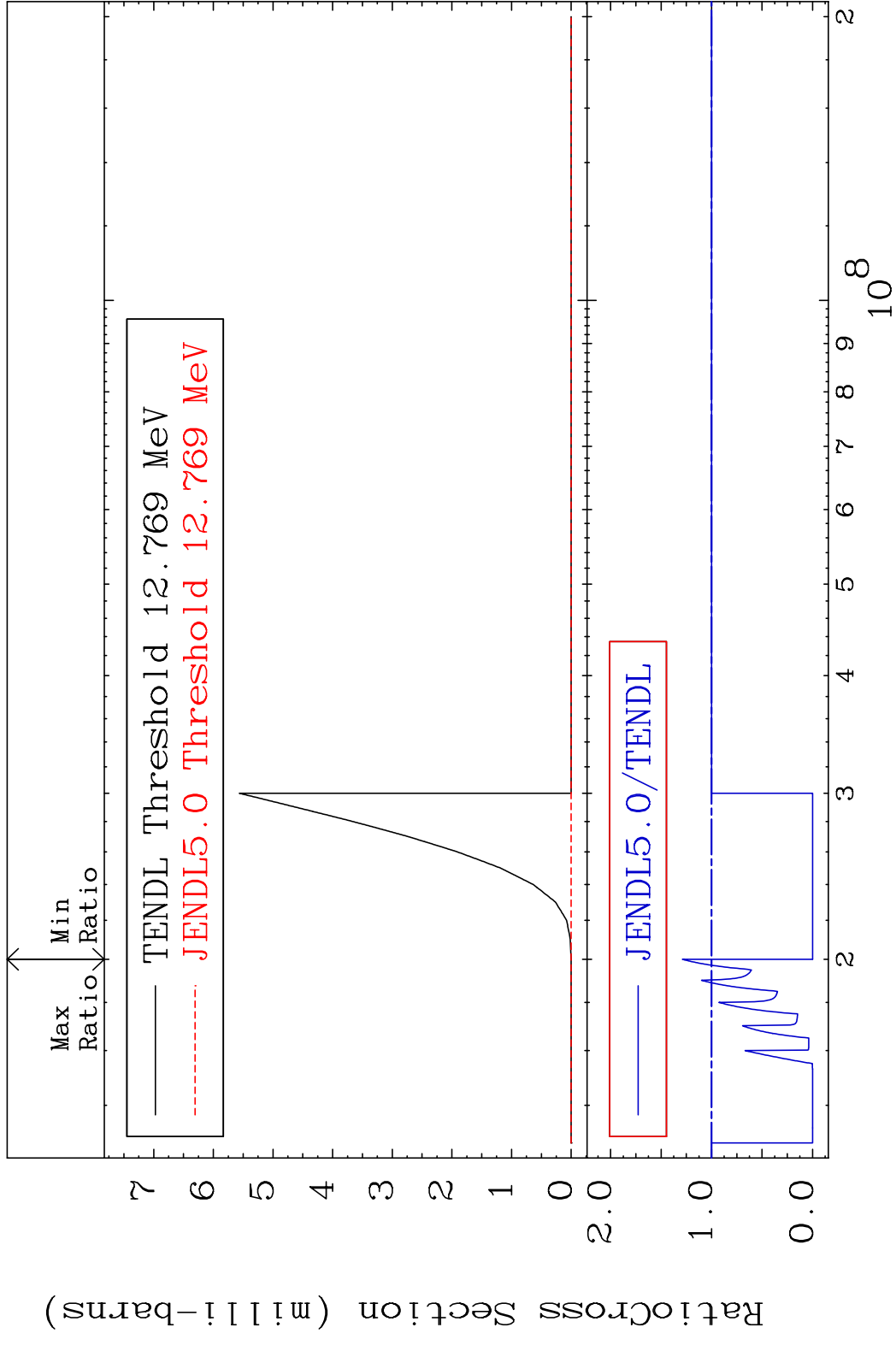


10

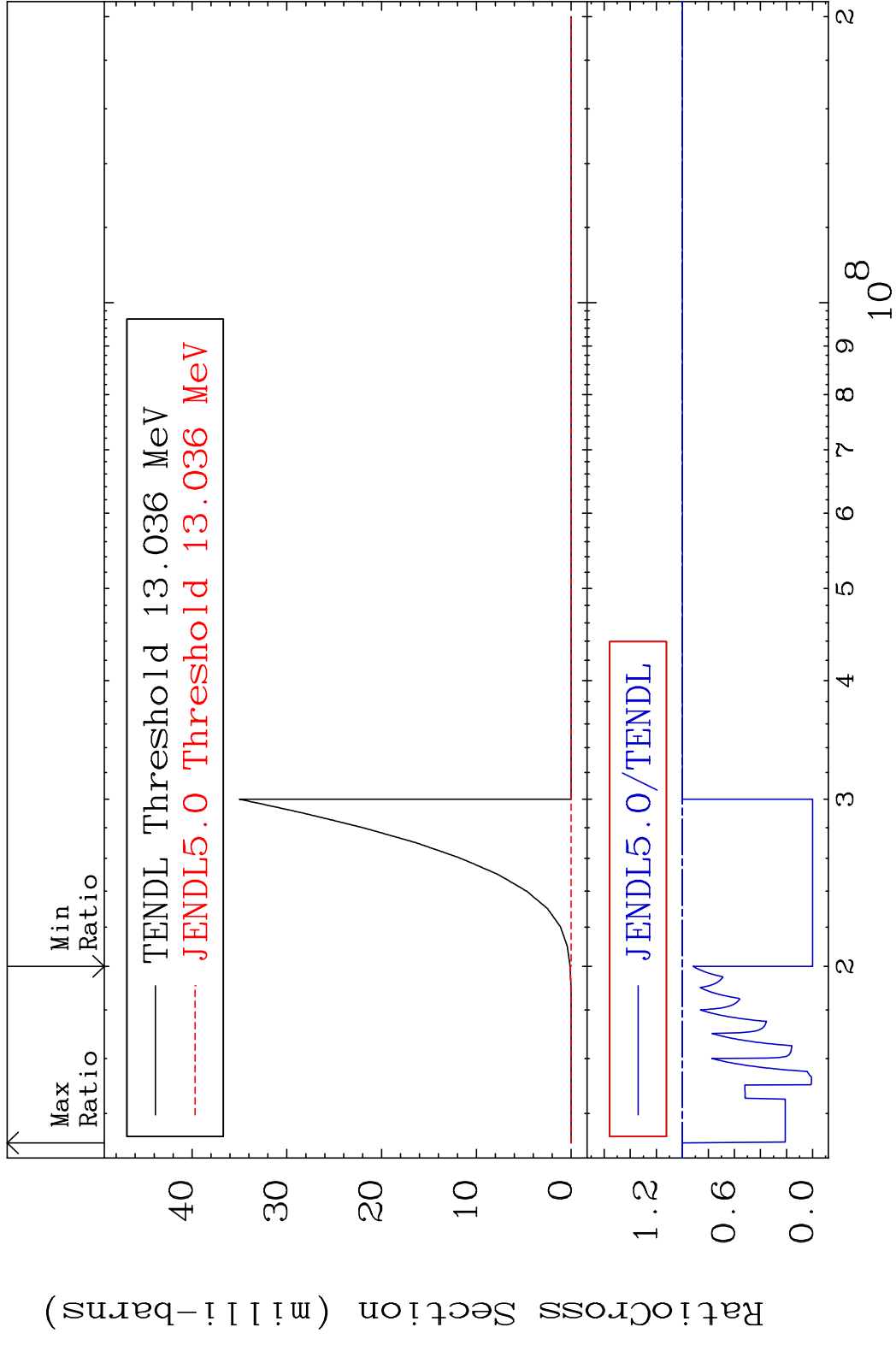
Incident Energy (eV)

72-Hf-175

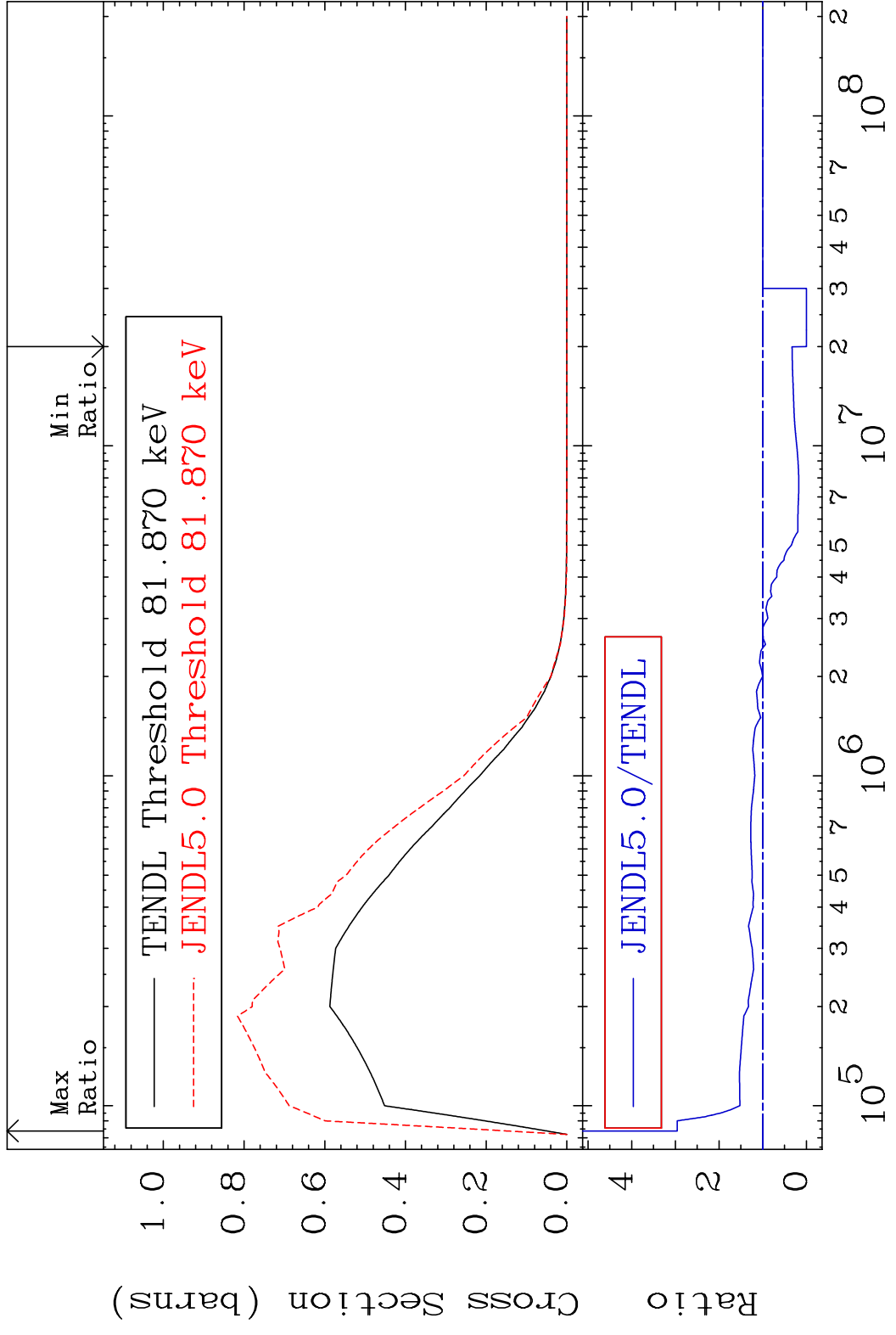
MAT 7228 (n, n') t 72-Hf-175
 Cross Section -100.0 To 28.94 %



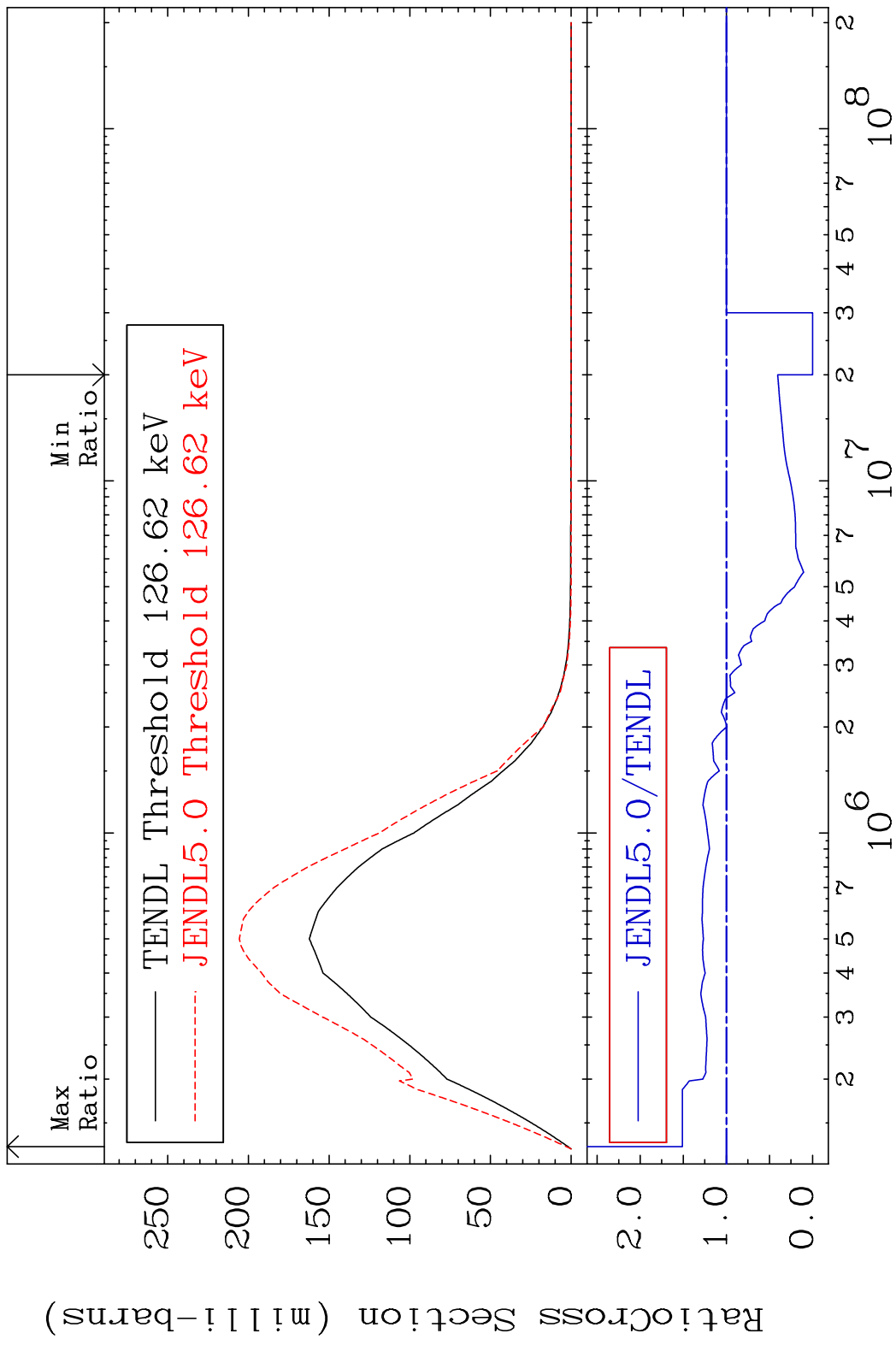
MAT 7228 (n,2n) p 72-Hf-175
 Cross Section -100.0 To 0.000 %



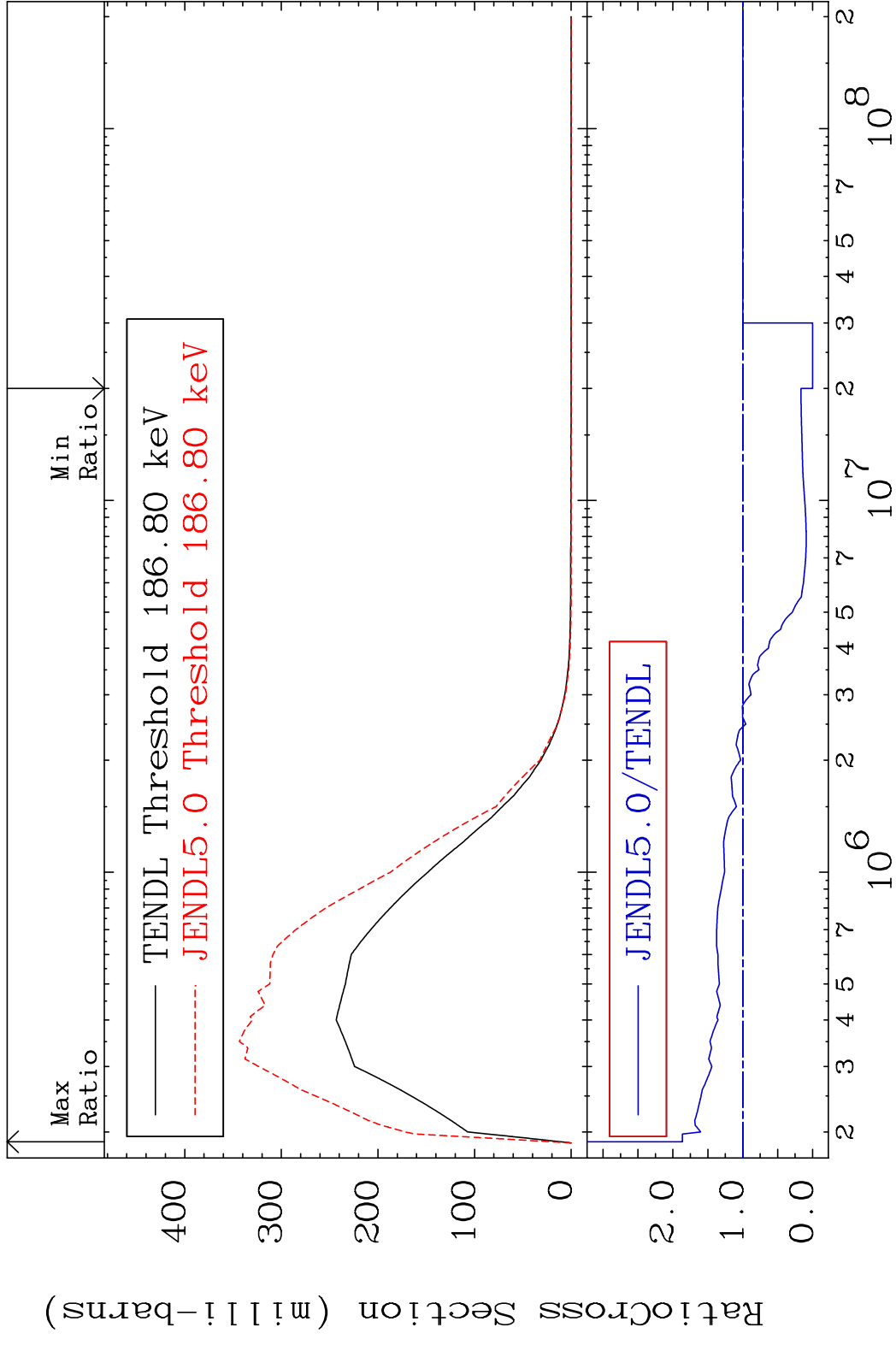
MAT 7228 MT= 51 (n, n') Level 72-Hf-175
 Cross Section -100.0 To 195.8 %



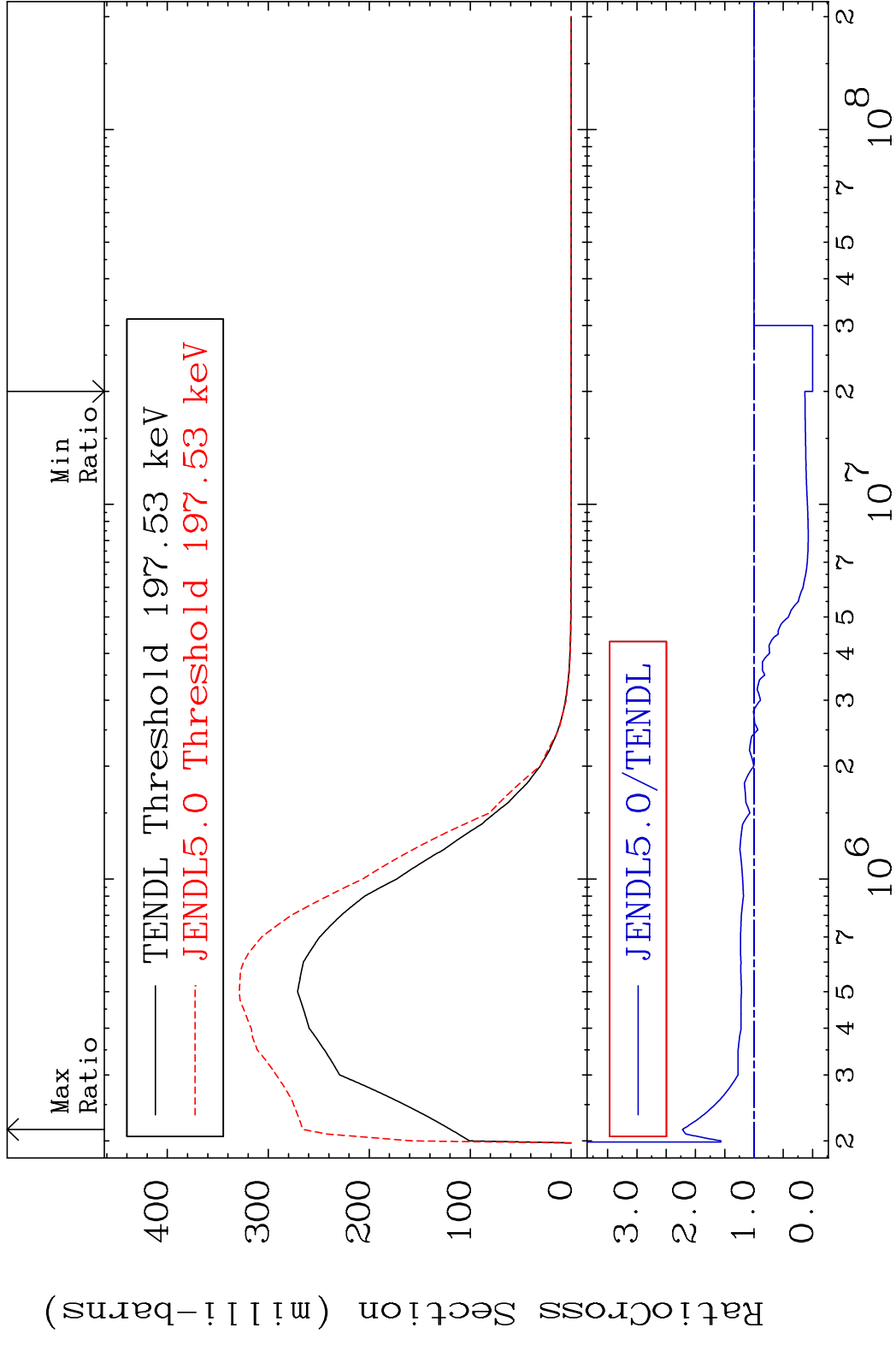
MAT 7228 MT= 52 (n,n') Level 72-Hf-175
 Cross Section -100.0 To 51.09 %



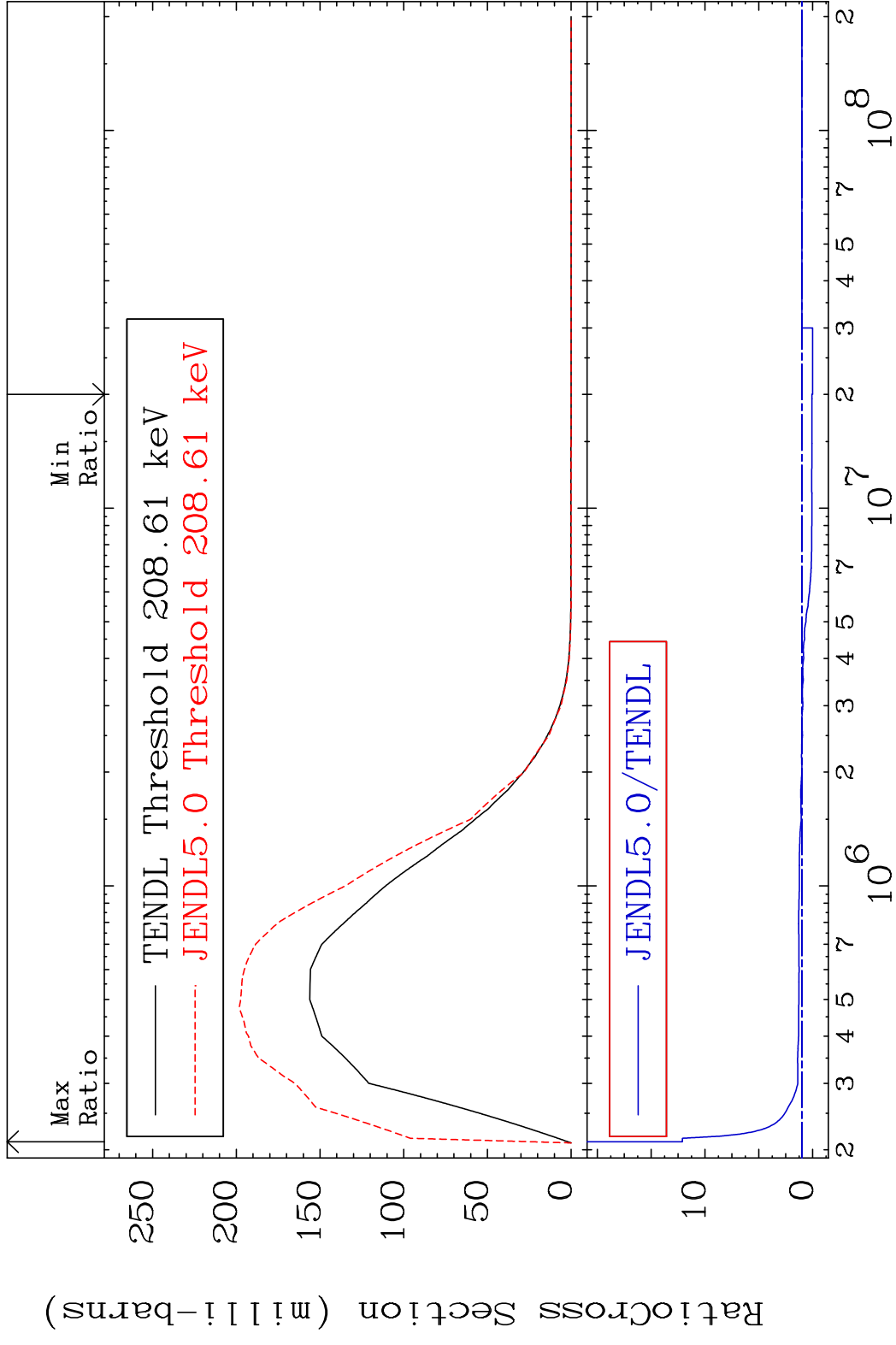
MAT 7228 MT= 53 (n, n') Level 72-Hf-175
 Cross Section -100.0 To 86.48 %



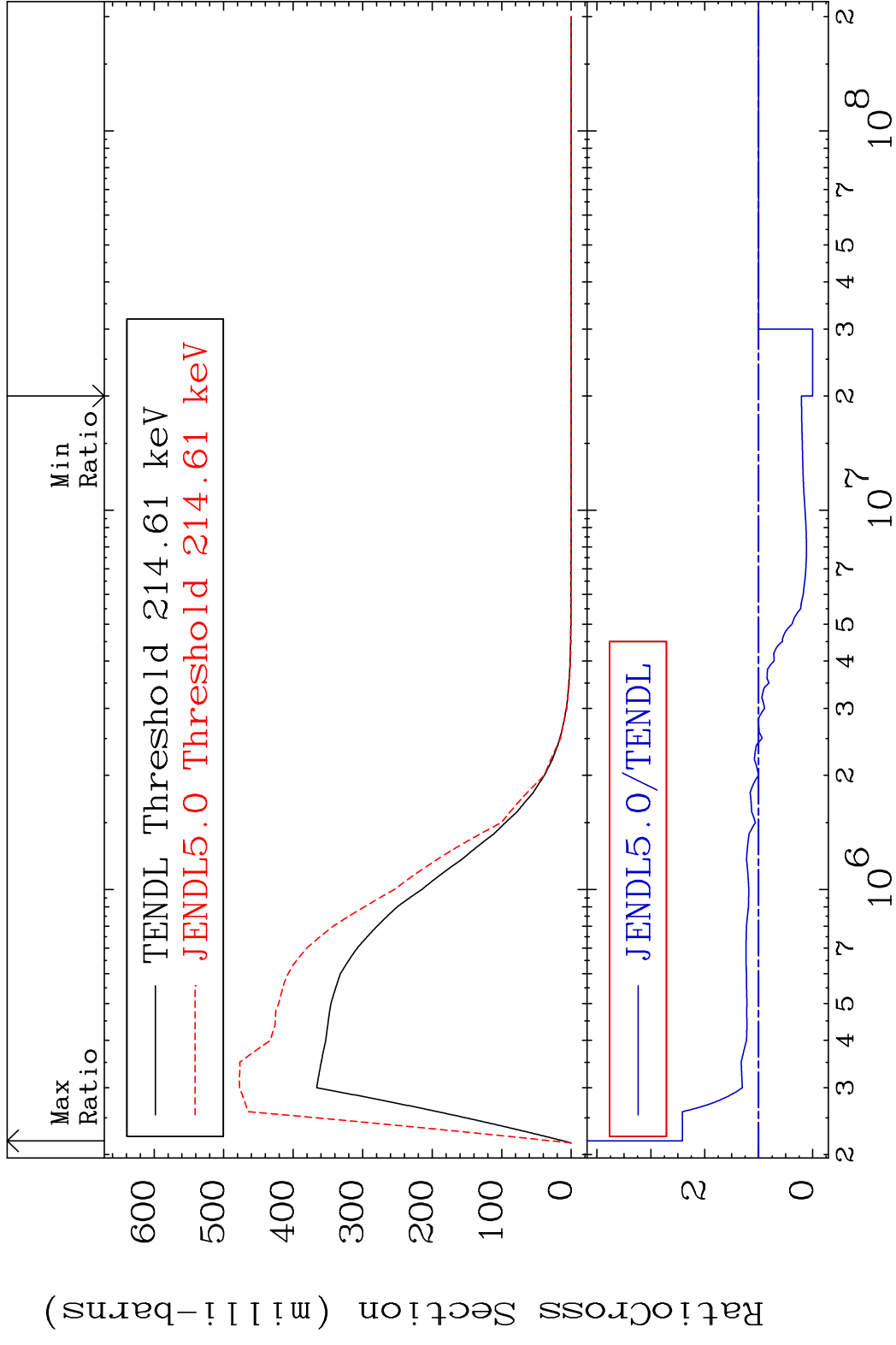
MAT 7228 MT= 54 (n, n') Level 72-Hf-175
 Cross Section -100.0 To 122.4 %



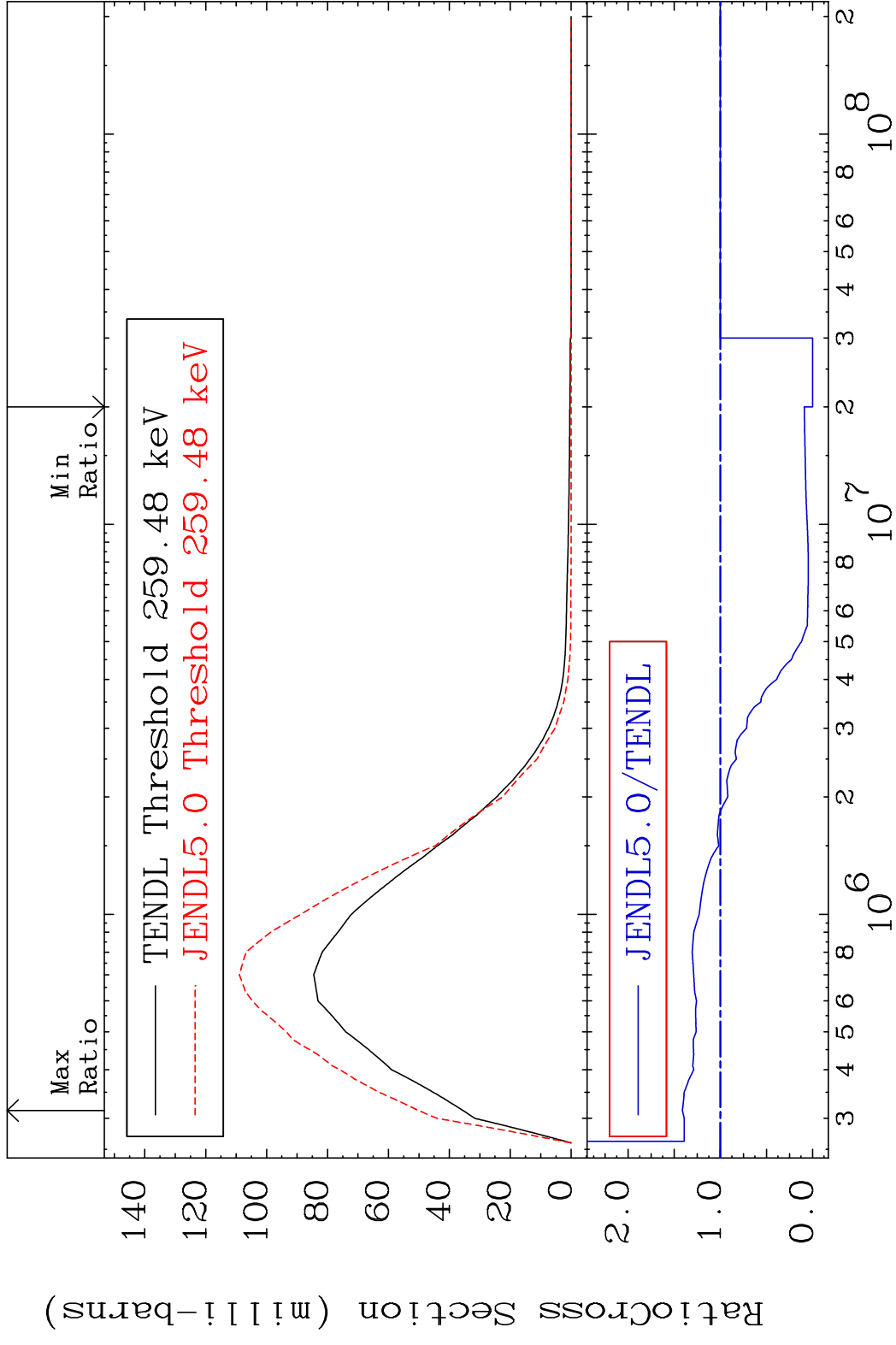
MAT 7228 MT= 55 (n,n') Level 72-Hf-175
 Cross Section -100.0 To 1109. %



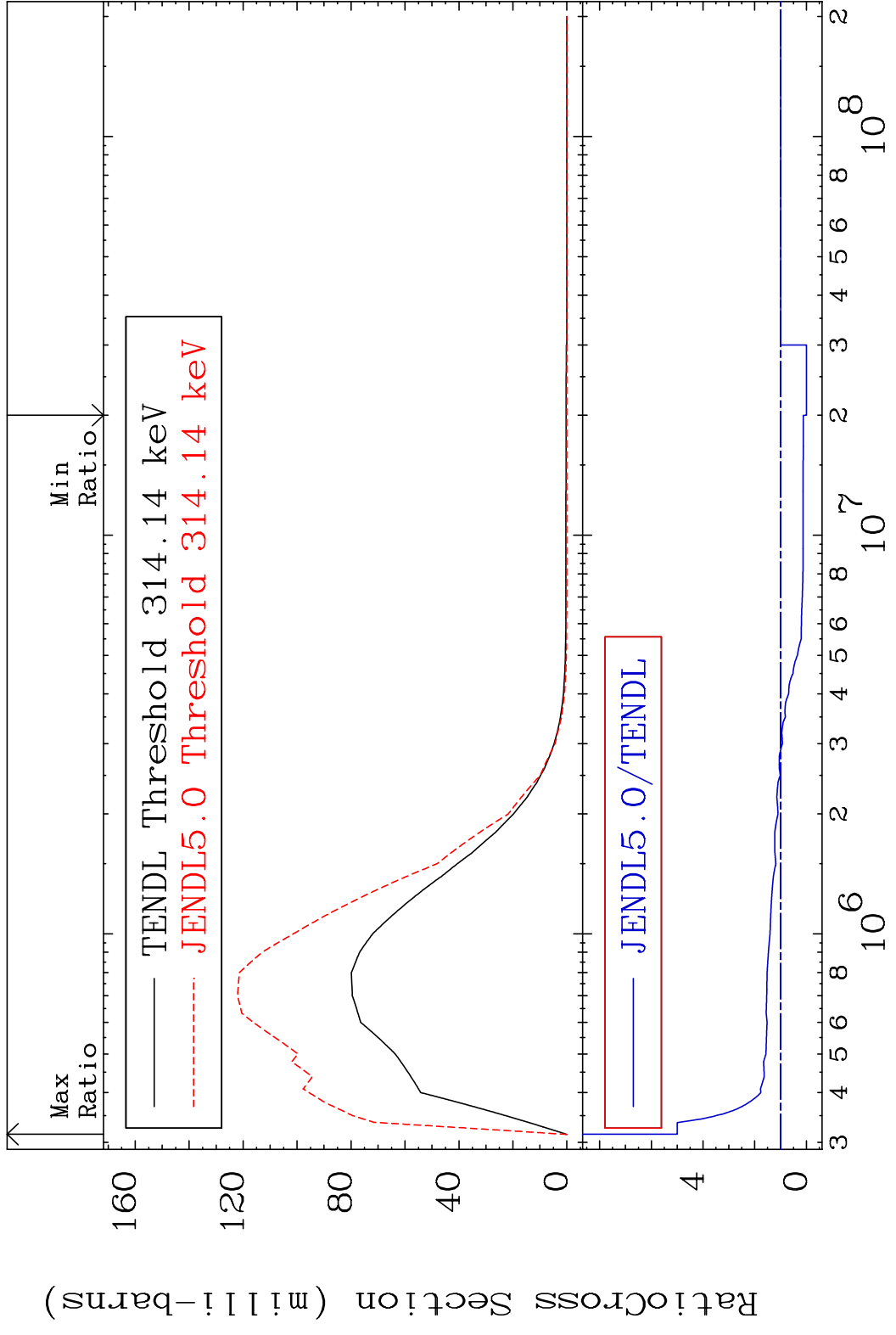
MAT 7228 MT= 56 (n,n') Level 72-Hf-175
 Cross Section -100.0 To 141.6 %



MAT 7228 MT= 57 (n,n') Level 72-Hf-175
 Cross Section -100.0 To 41.22 %

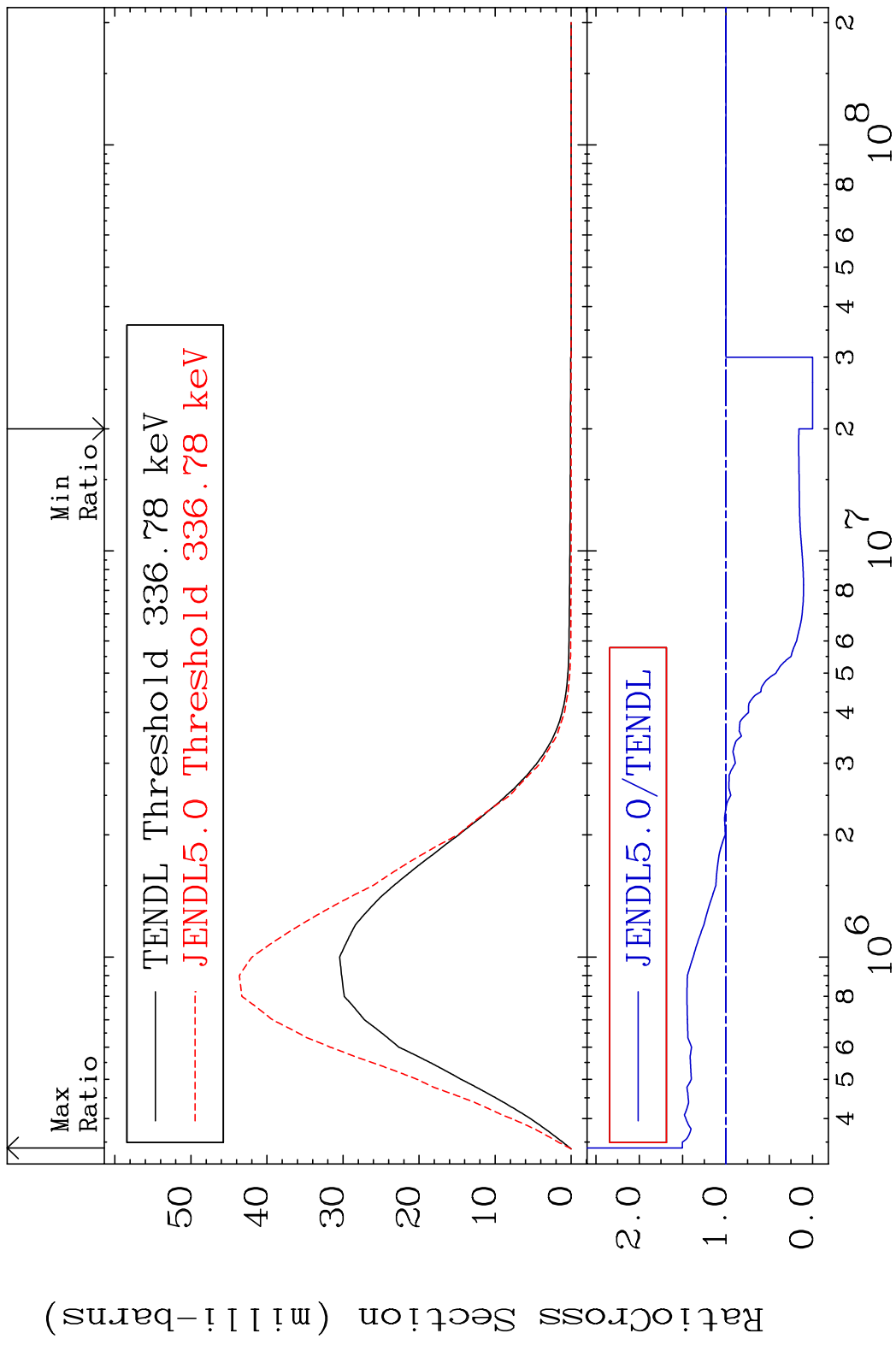


MAT 7228 MT= 58 (n,n') Level 72-Hf-175
 Cross Section -100.0 To 400.0 %

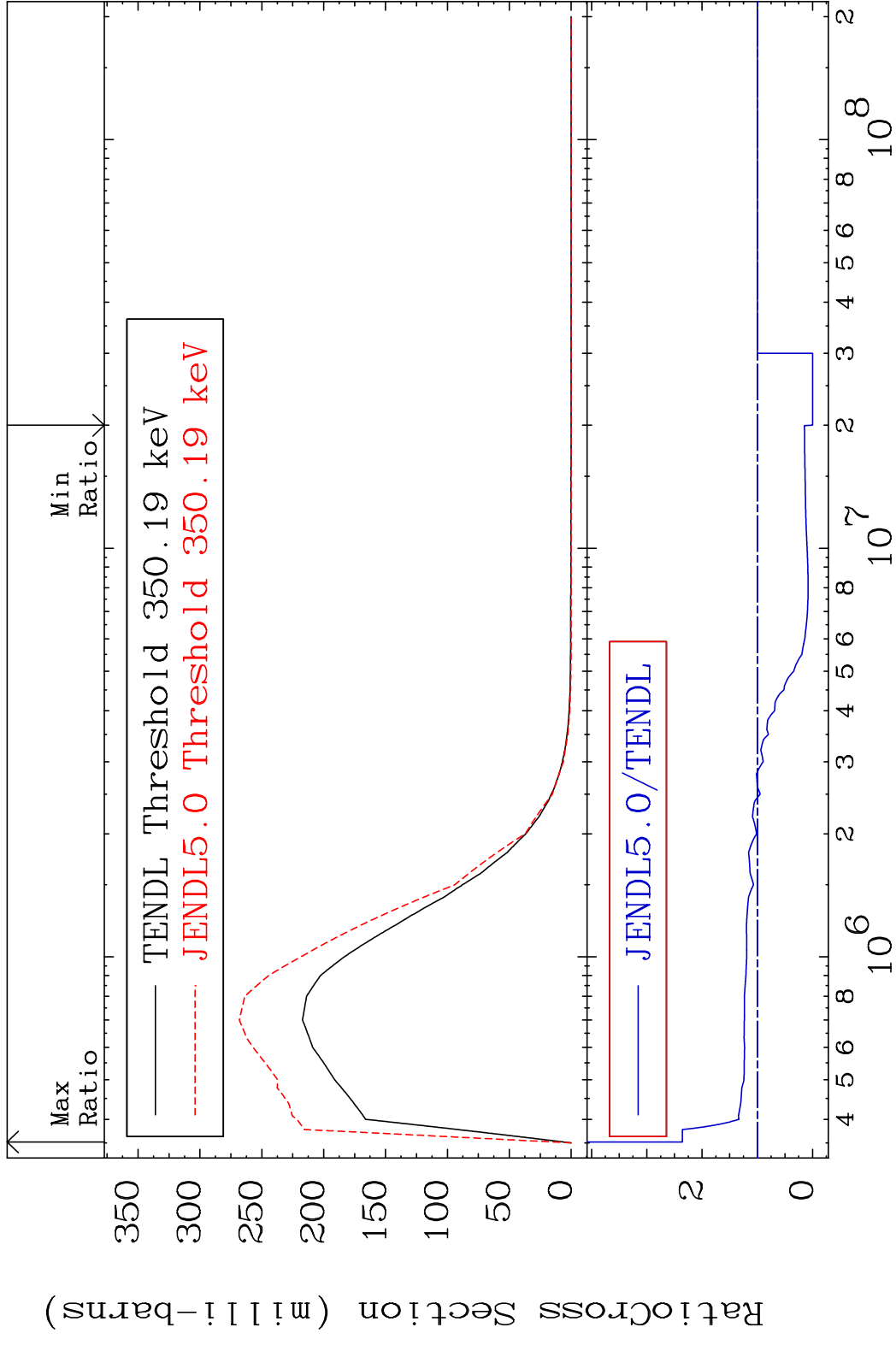


20 Incident Energy (eV) 72-Hf-175

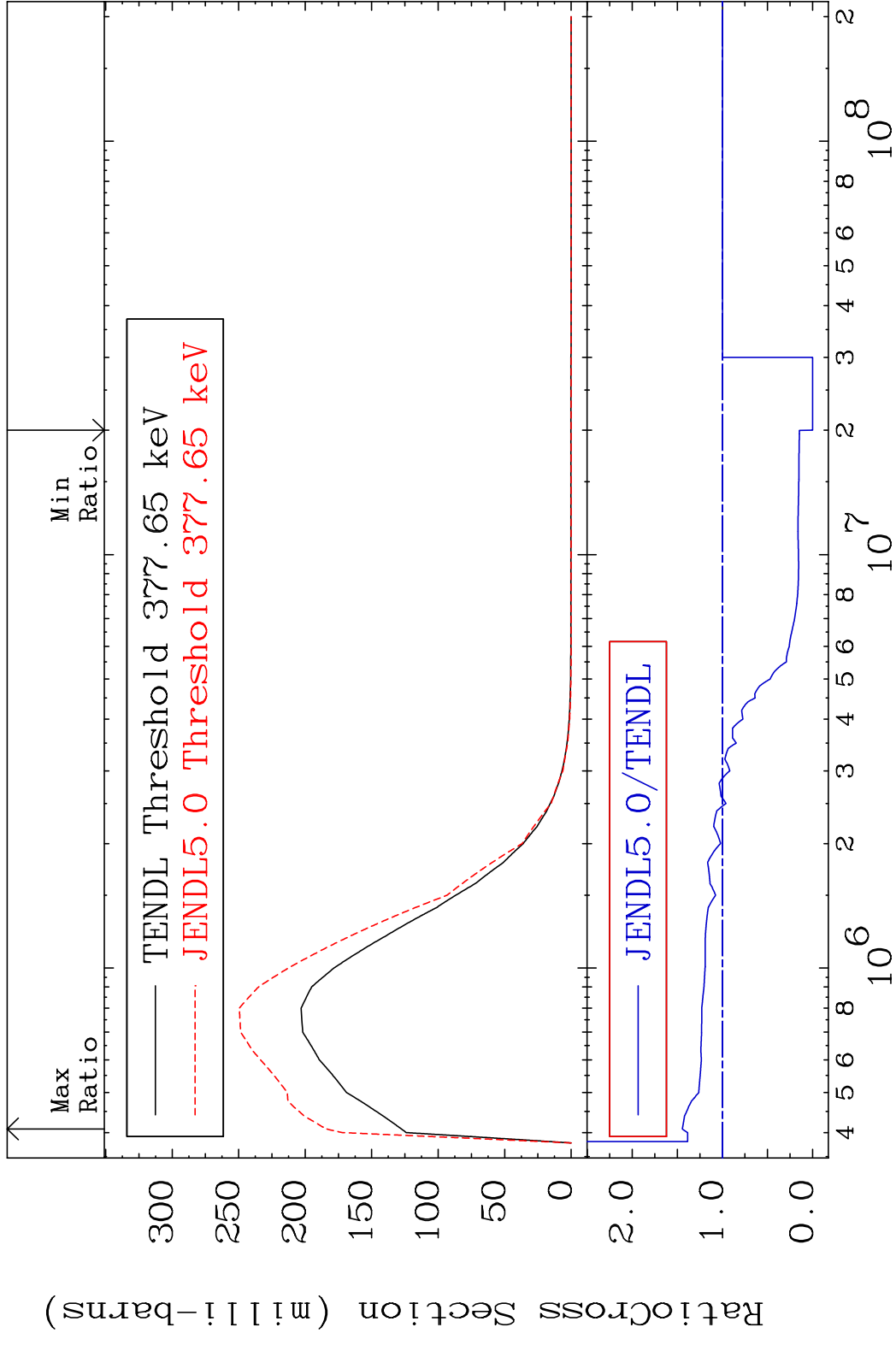
MAT 7228 MT= 59 (n, n') Level 72-Hf-175
 Cross Section -100.0 To 50.33 %



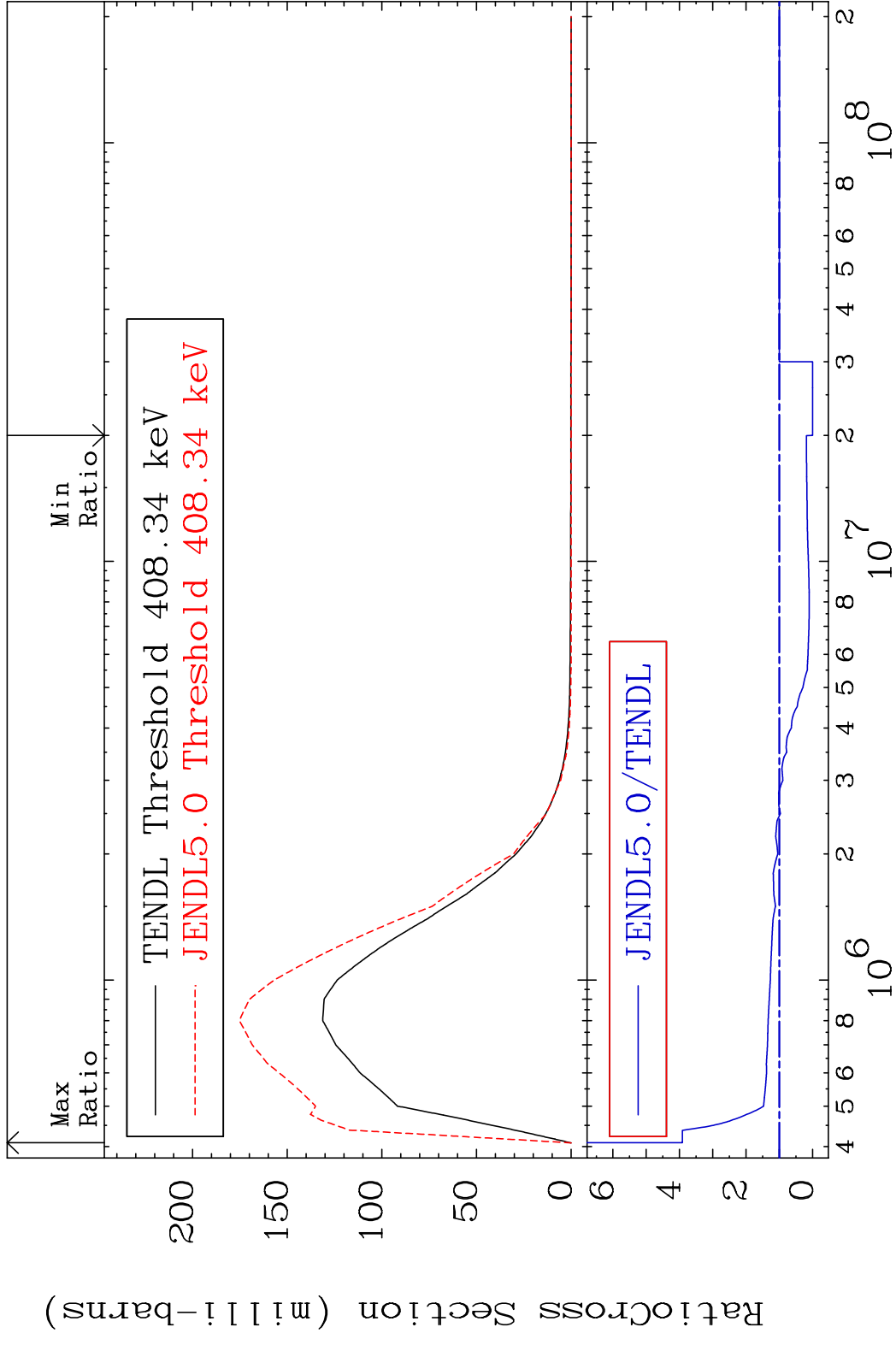
MAT 7228 MT= 60 (n, n') Level 72-Hf-175
 Cross Section -100.0 To 135.7 %



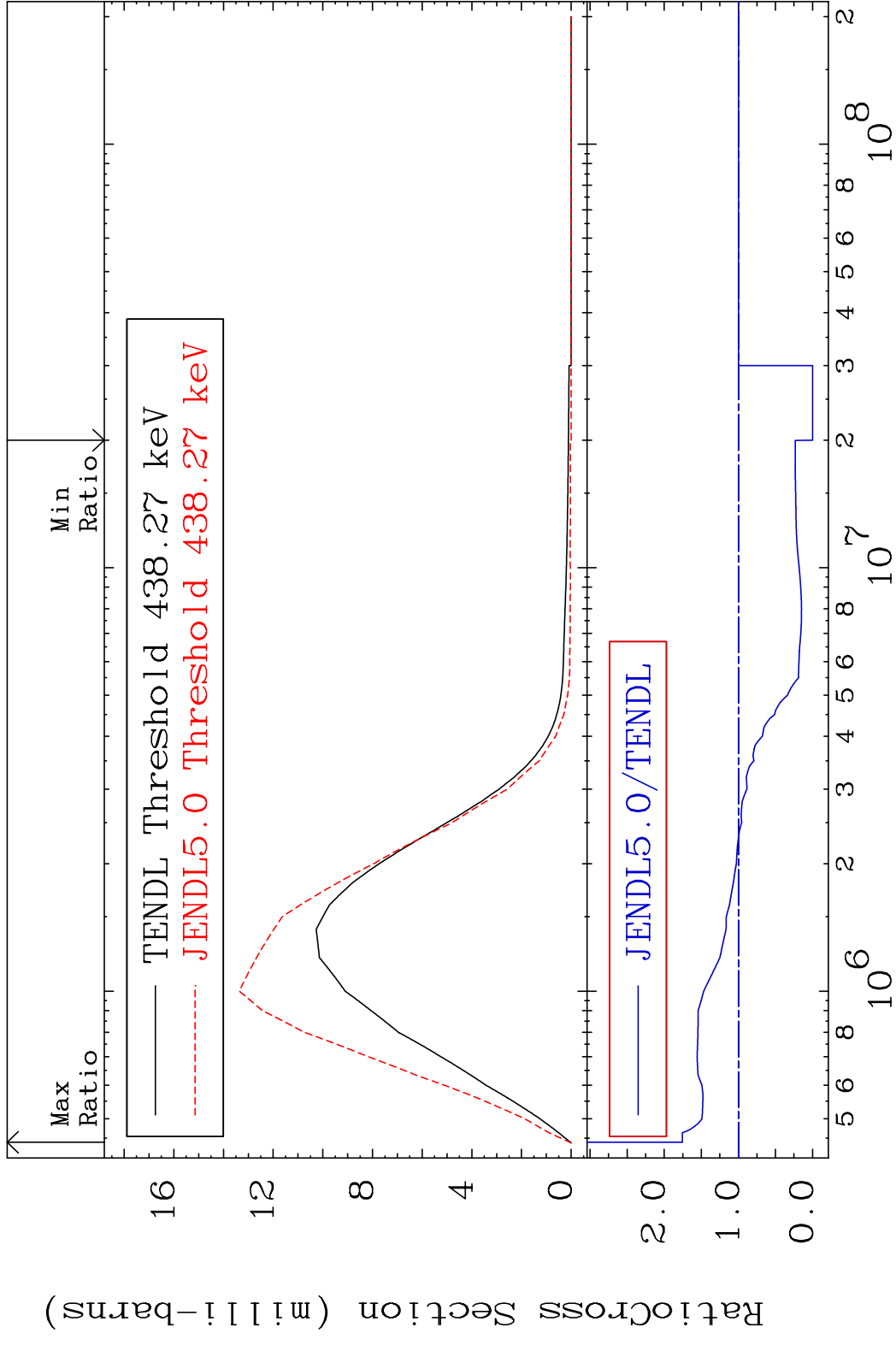
MAT 7228 MT= 61 (n, n') Level 72-Hf-175
 Cross Section -100.0 To 44.45 %



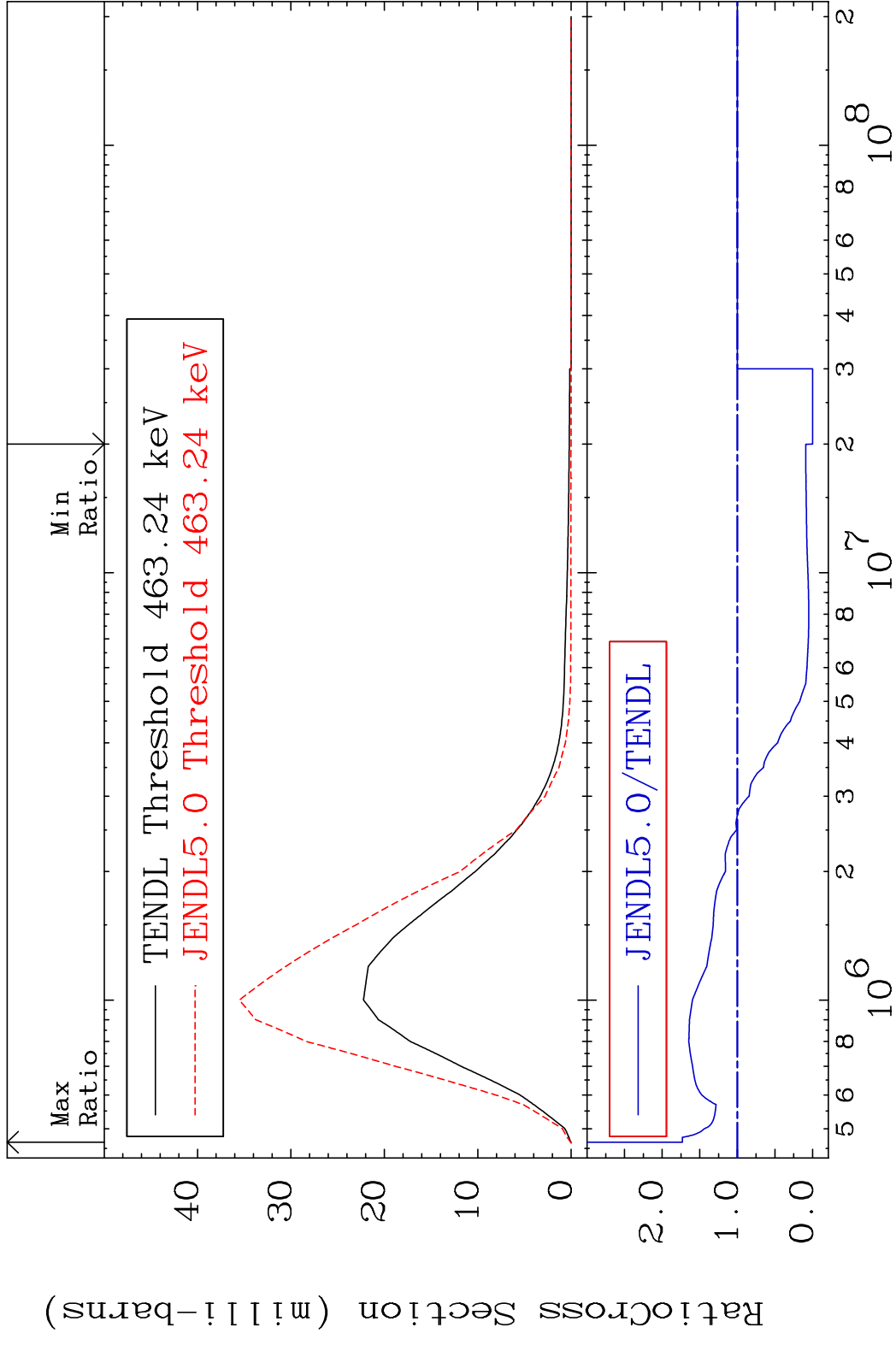
MAT 7228 MT= 62 (n, n') Level 72-Hf-175
 Cross Section -100.0 To 291.4 %



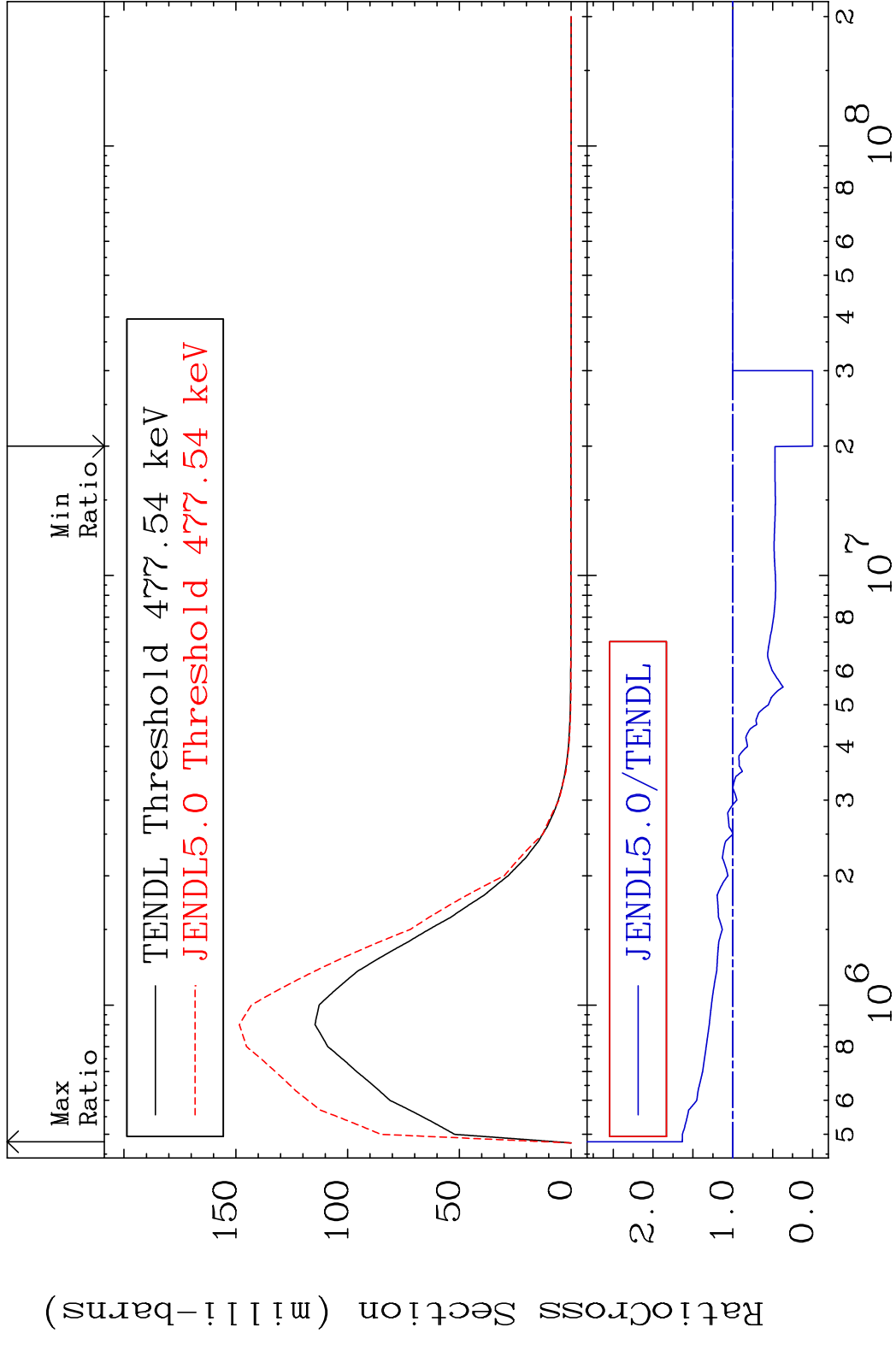
MAT 7228 MT= 63 (n, n') Level 72-Hf-175
 Cross Section -100.0 To 75.56 %



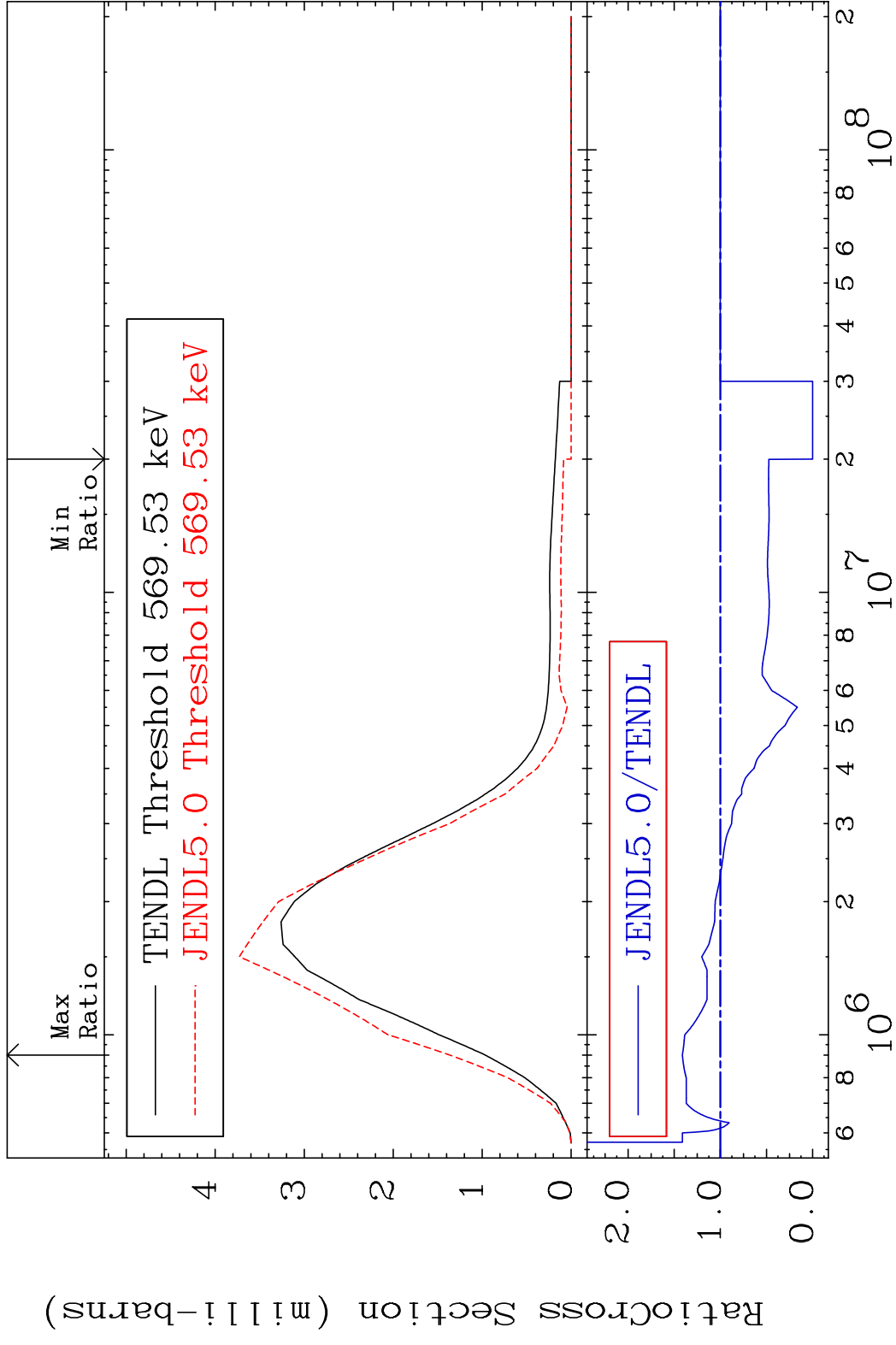
MAT 7228 MT= 64 (n, n') Level 72-Hf-175
 Cross Section -100.0 To 73.13 %



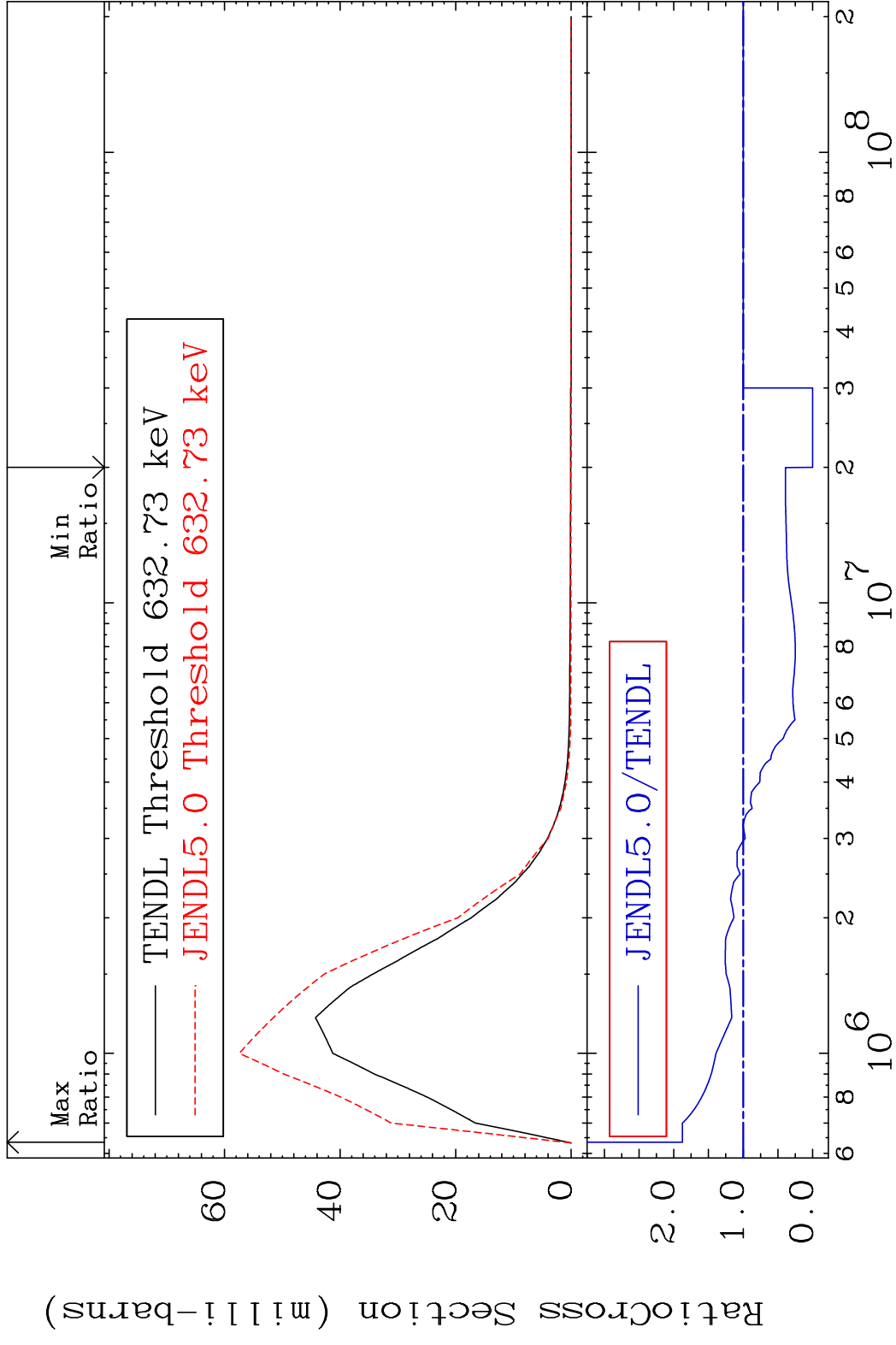
MAT 7228 MT= 65 (n, n') Level 72-Hf-175
 Cross Section -100.0 To 63.26 %



MAT 7228 MT= 66 (n, n') Level 72-Hf-175
 Cross Section -100.0 To 41.22 %



MAT 7228 MT= 67 (n, n') Level 72-Hf-175
 Cross Section -100.0 To 87.67 %

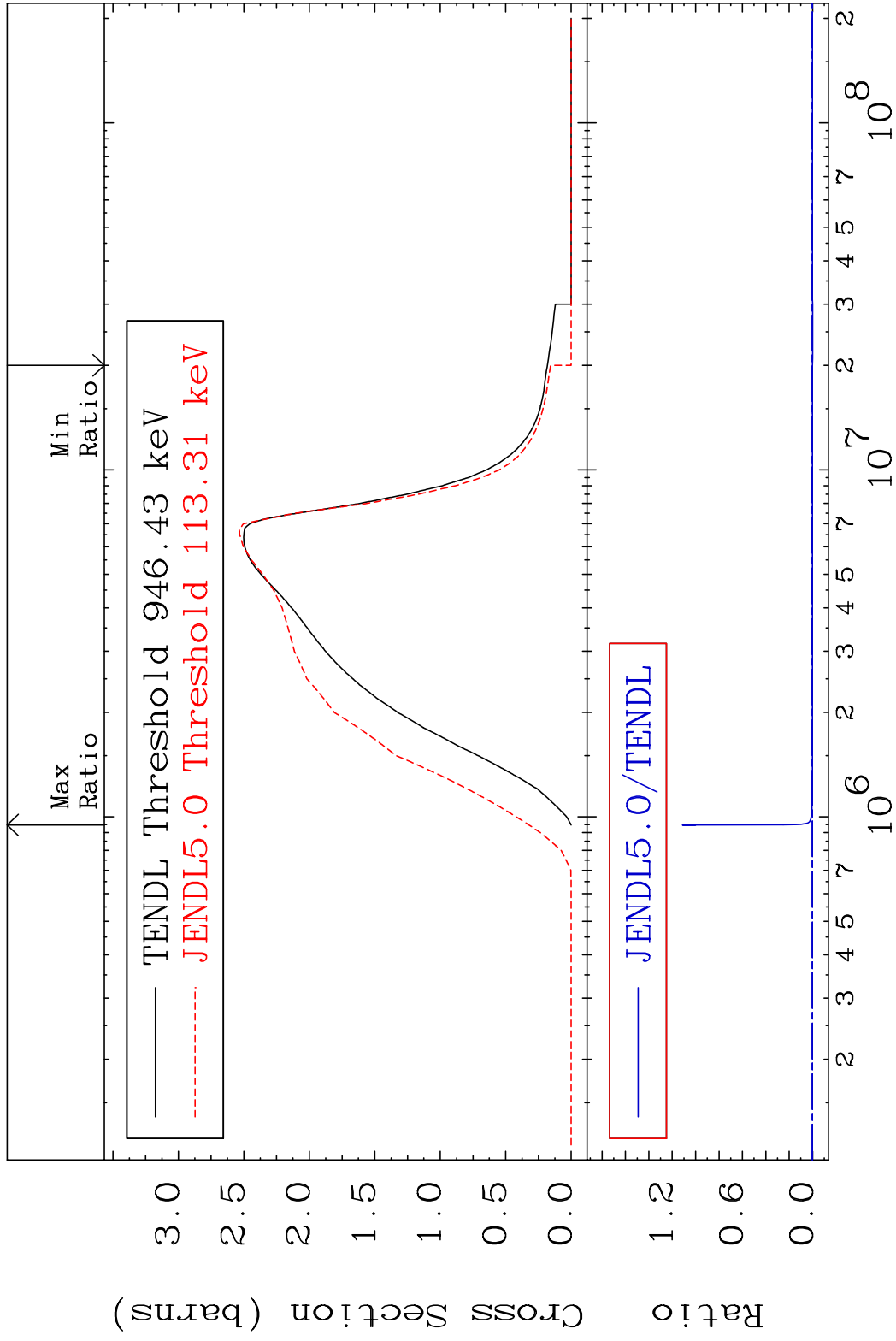


MAT 7228

(n, n') Continuum

72-Hf-175

Cross Section -100.0 To 9999. %

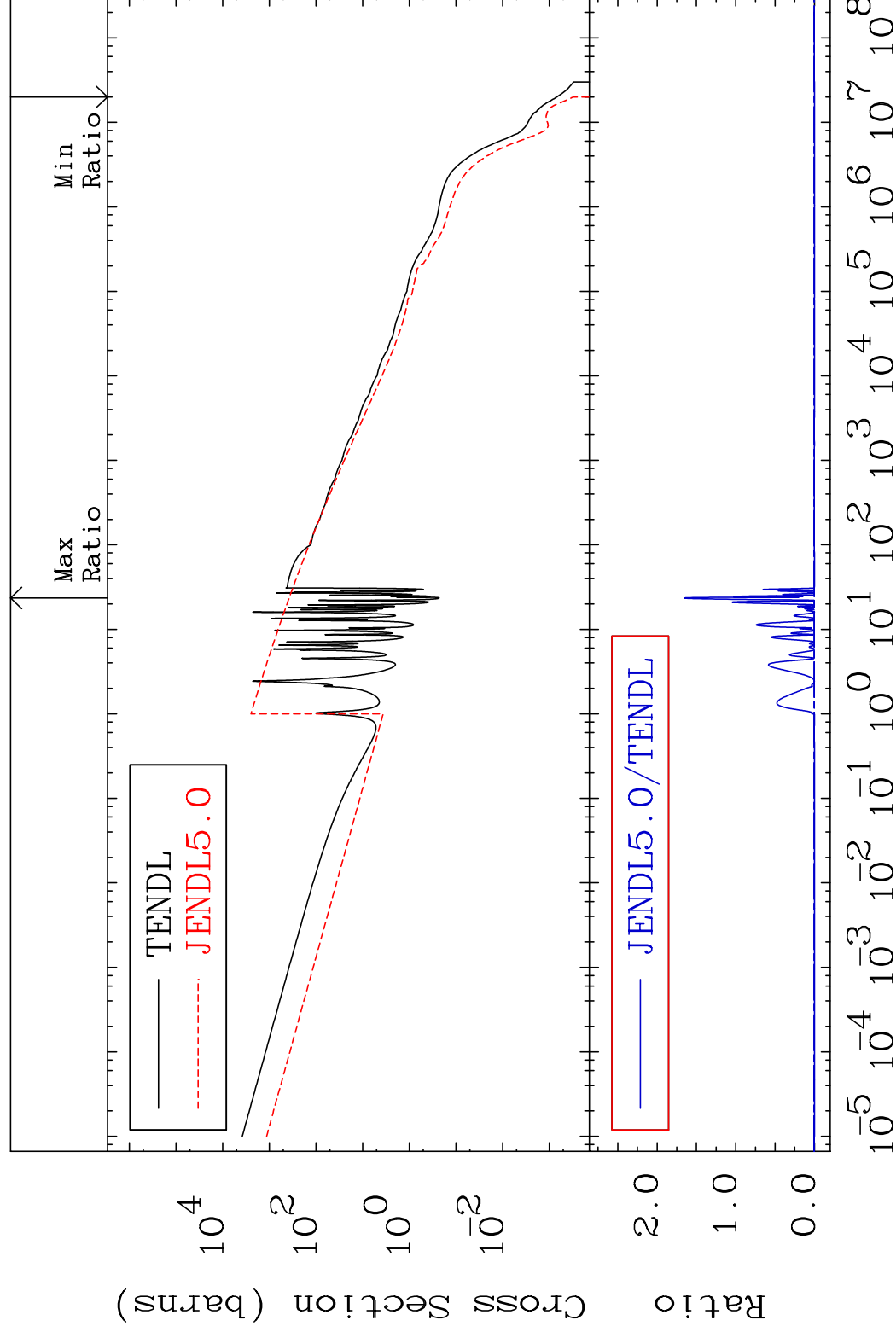


MAT 7228

(n, γ)

72-Hf-175

Cross Section -100.0 To 9999. %



31

Incident Energy (eV)

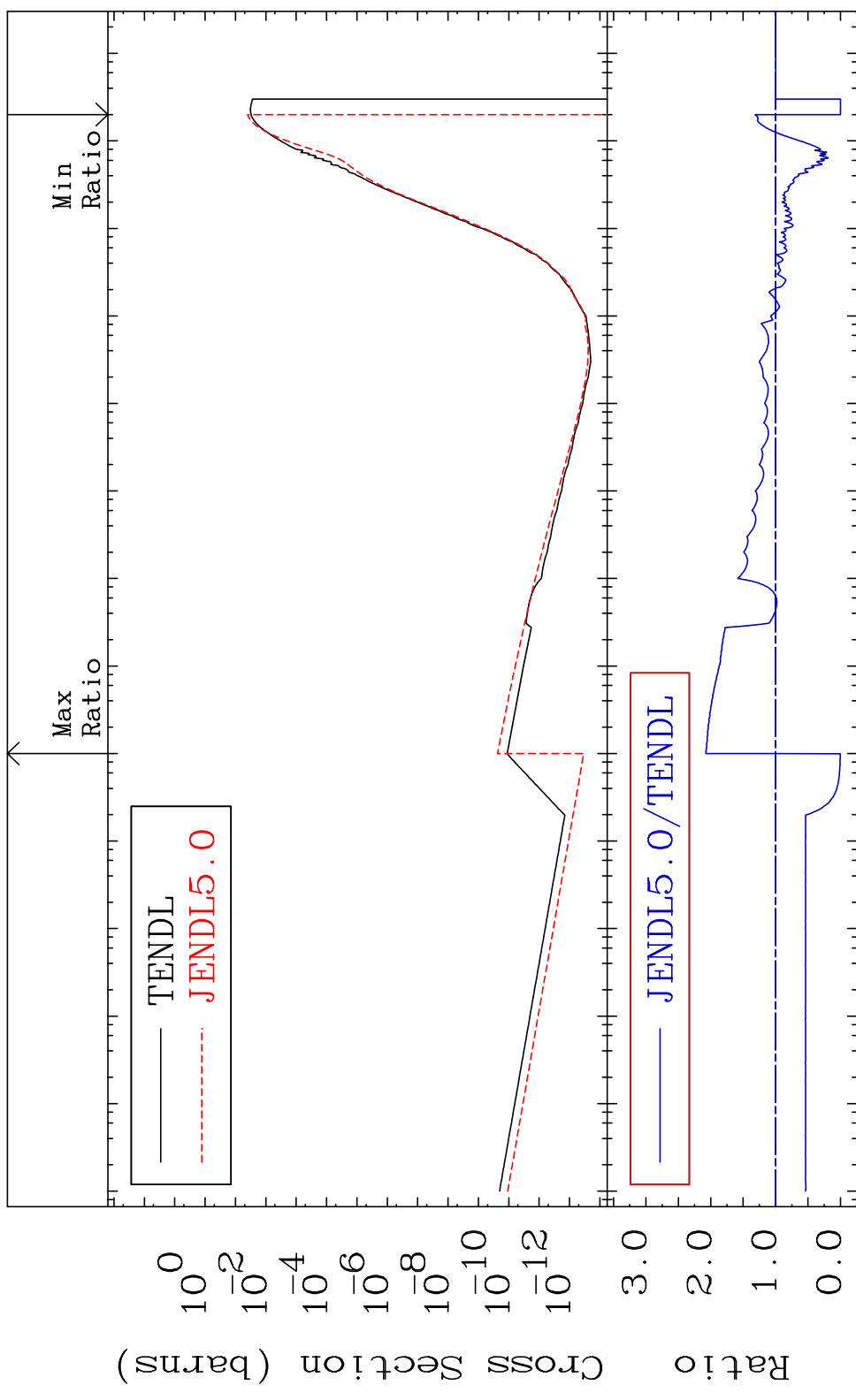
72-Hf-175

MAT 7228

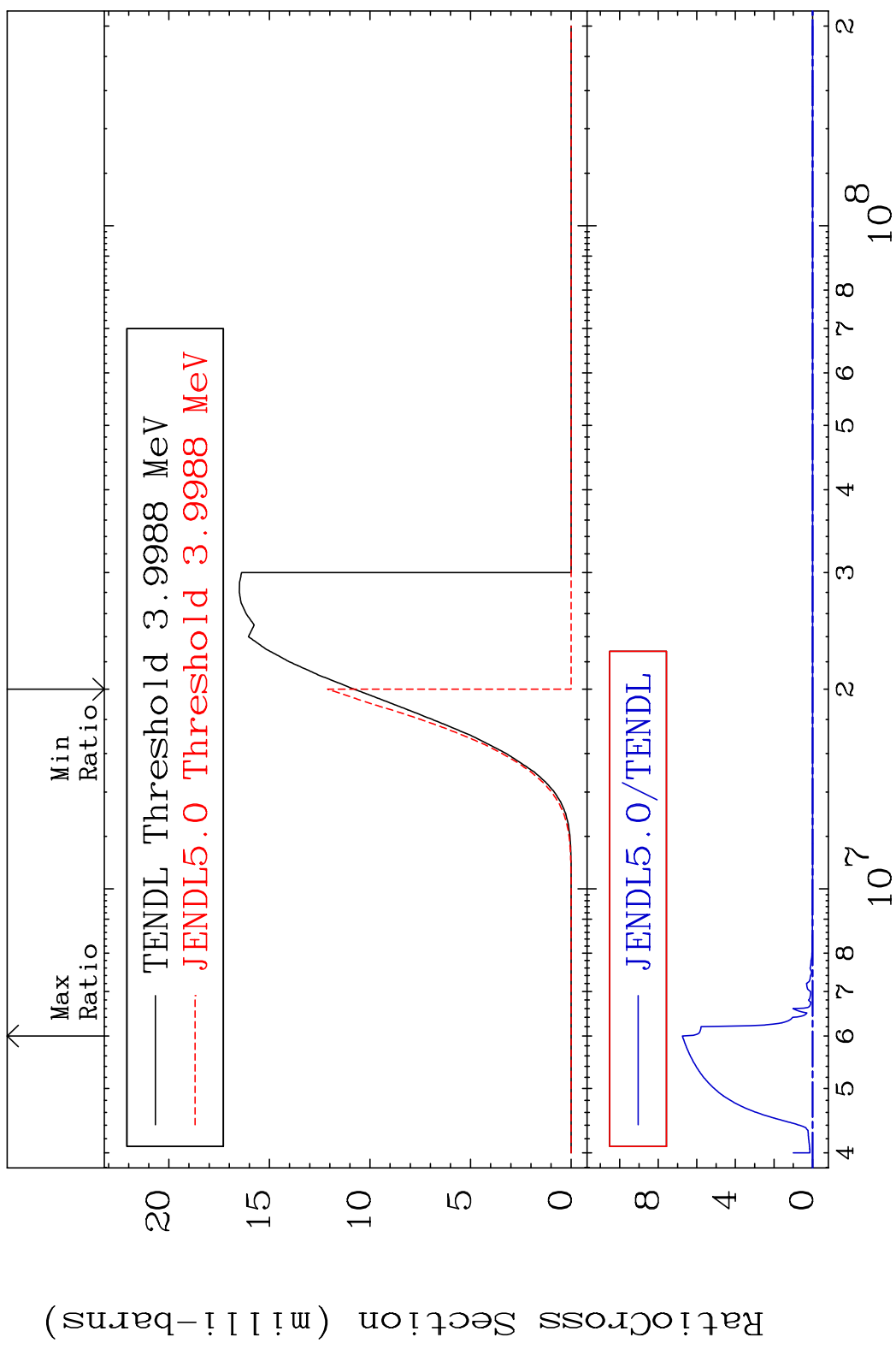
(n, p)

72-Hf-175

Cross Section -100.0 To 107.7 %



Cross Section -100.0 To 9999. %

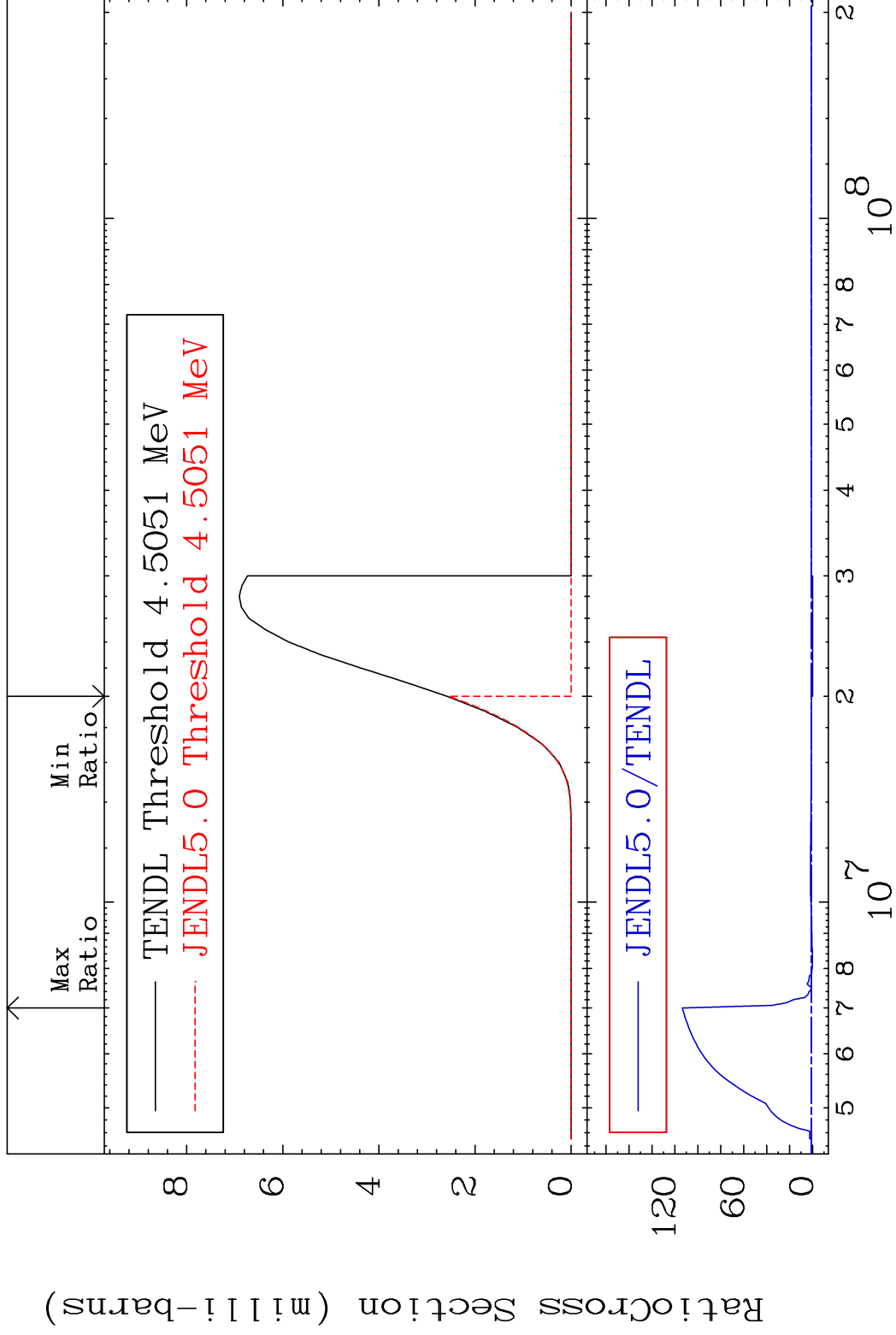


MAT 7228

(n, t)

72-Hf-175

Cross Section -100.0 To 9999. %



34

Incident Energy (eV)

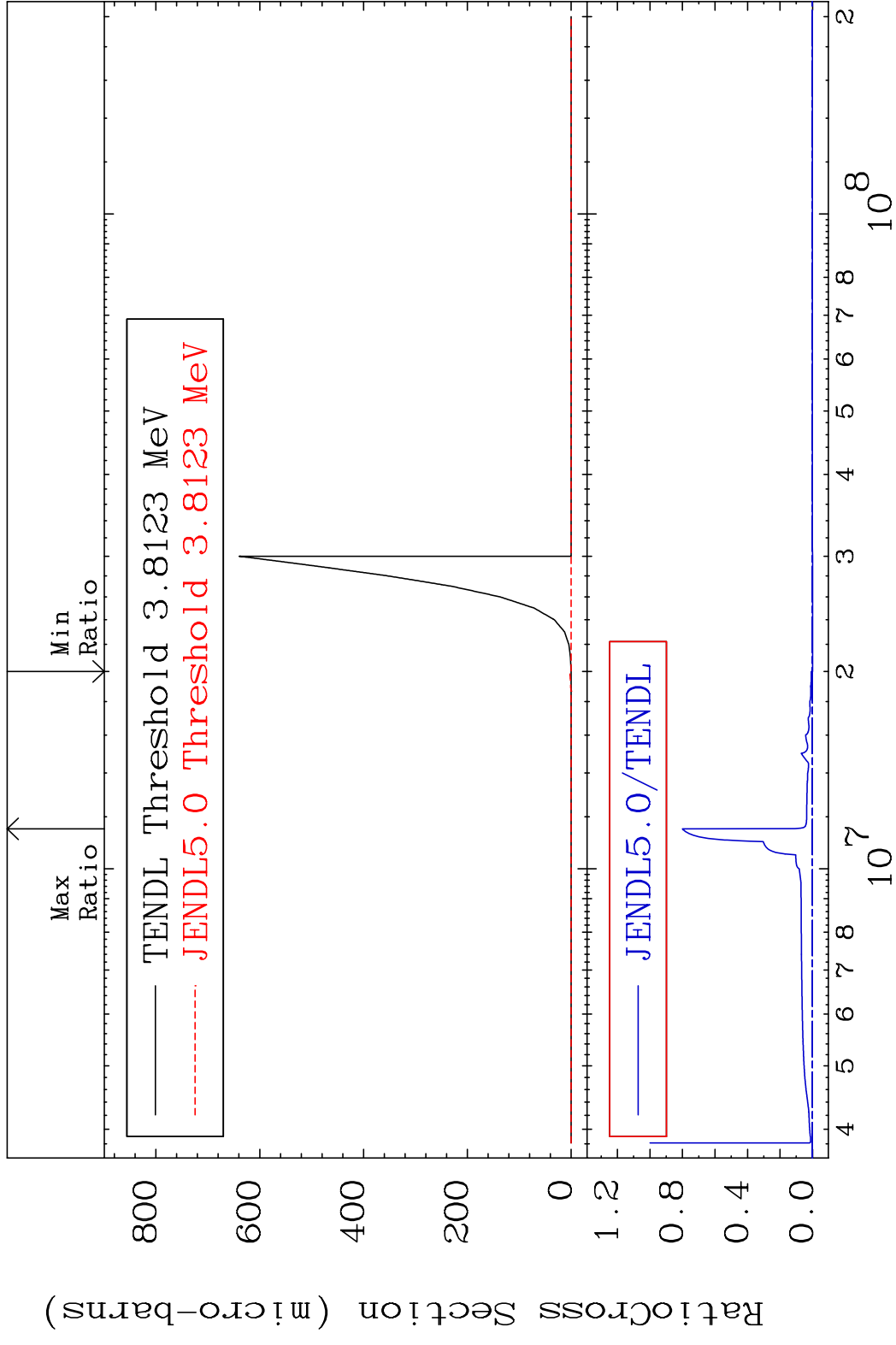
72-Hf-175

MAT 7228

(n, He-3)

72-Hf-175

Cross Section -100.0 To 9999. %

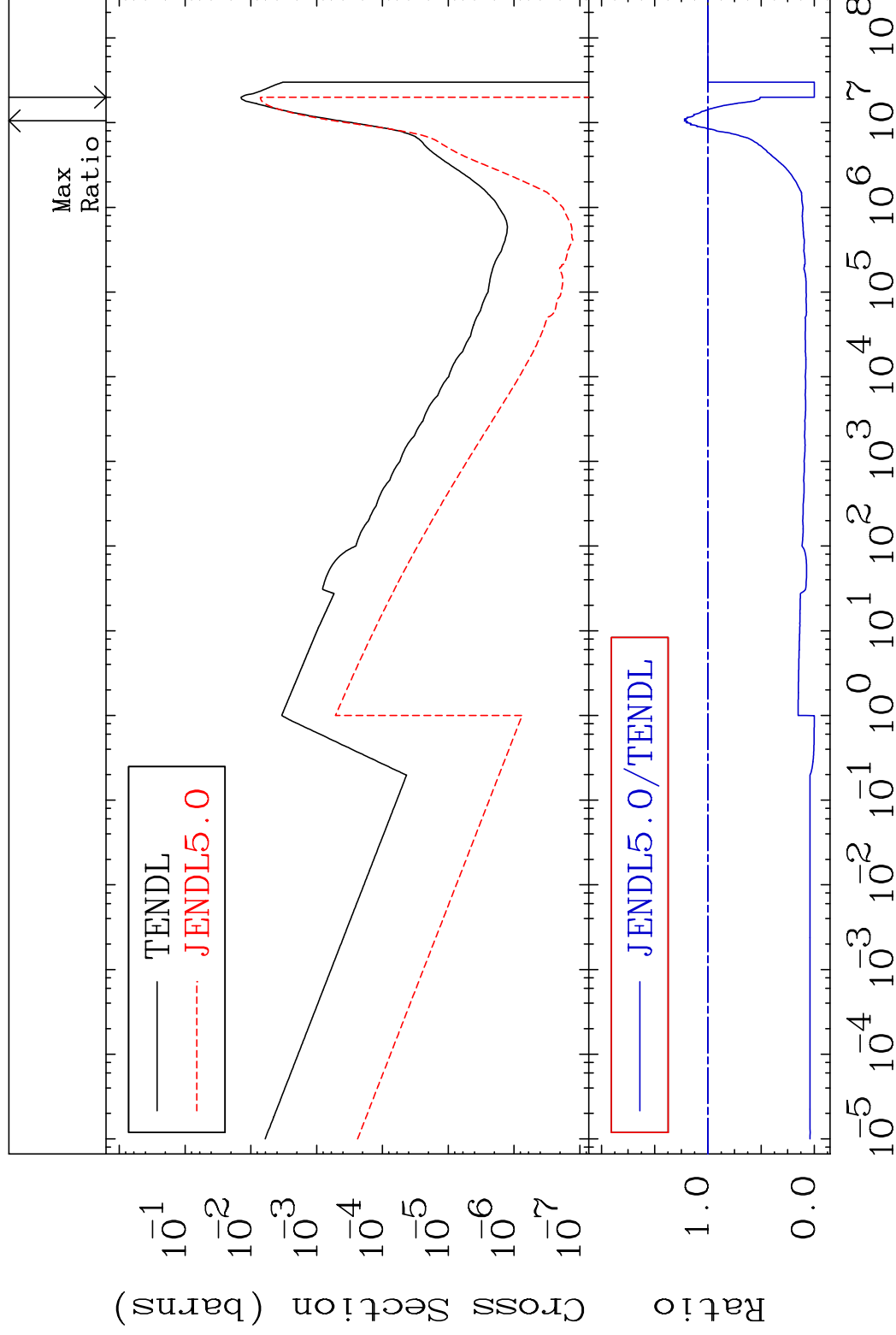


MAT 7228

(n, α)

72-Hf-175

Cross Section -100.0 To 22.38 %



36

Incident Energy (eV)

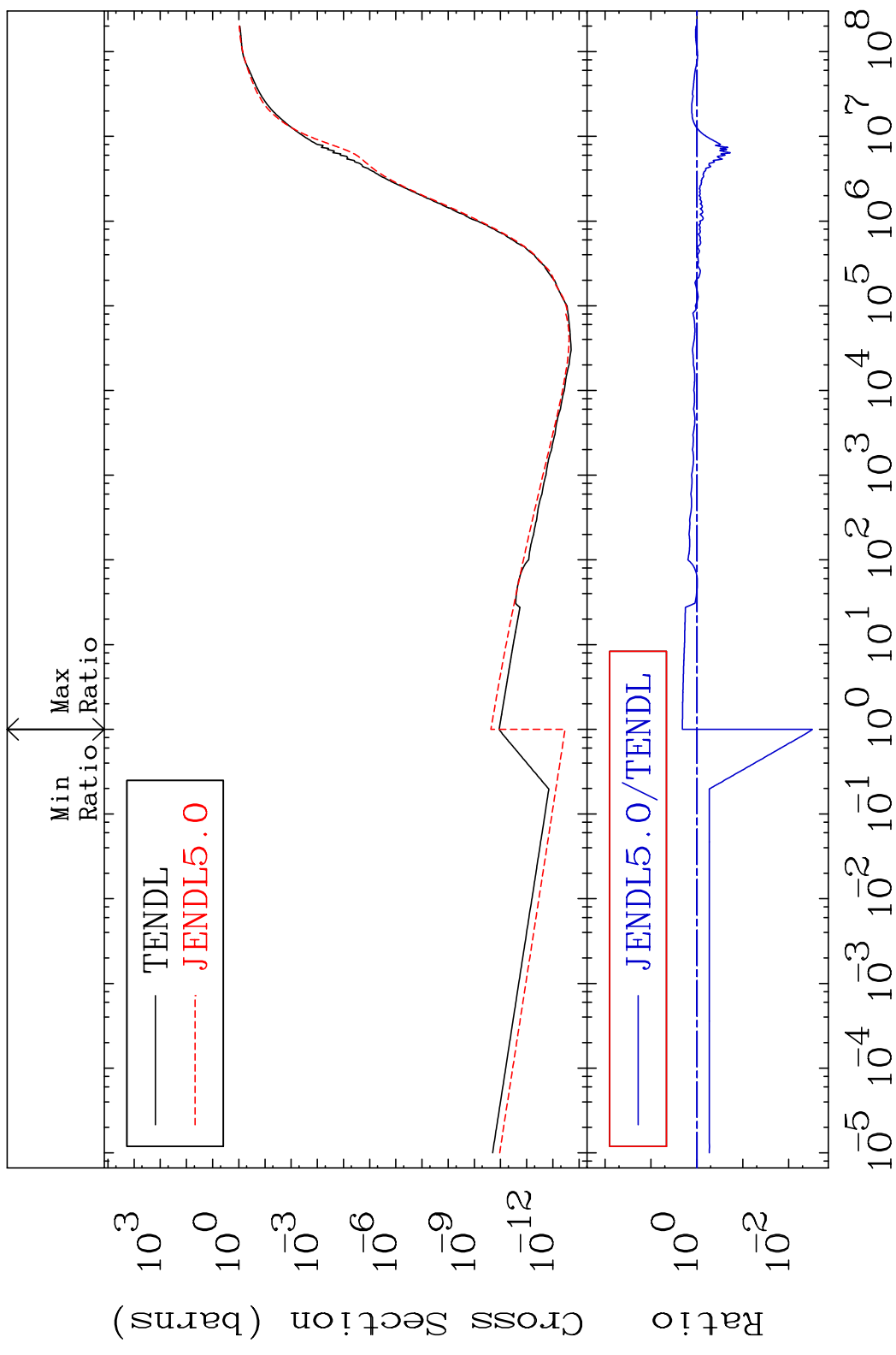
72-Hf-175

MAT 7228

Hydrogen Production

72-Hf-175

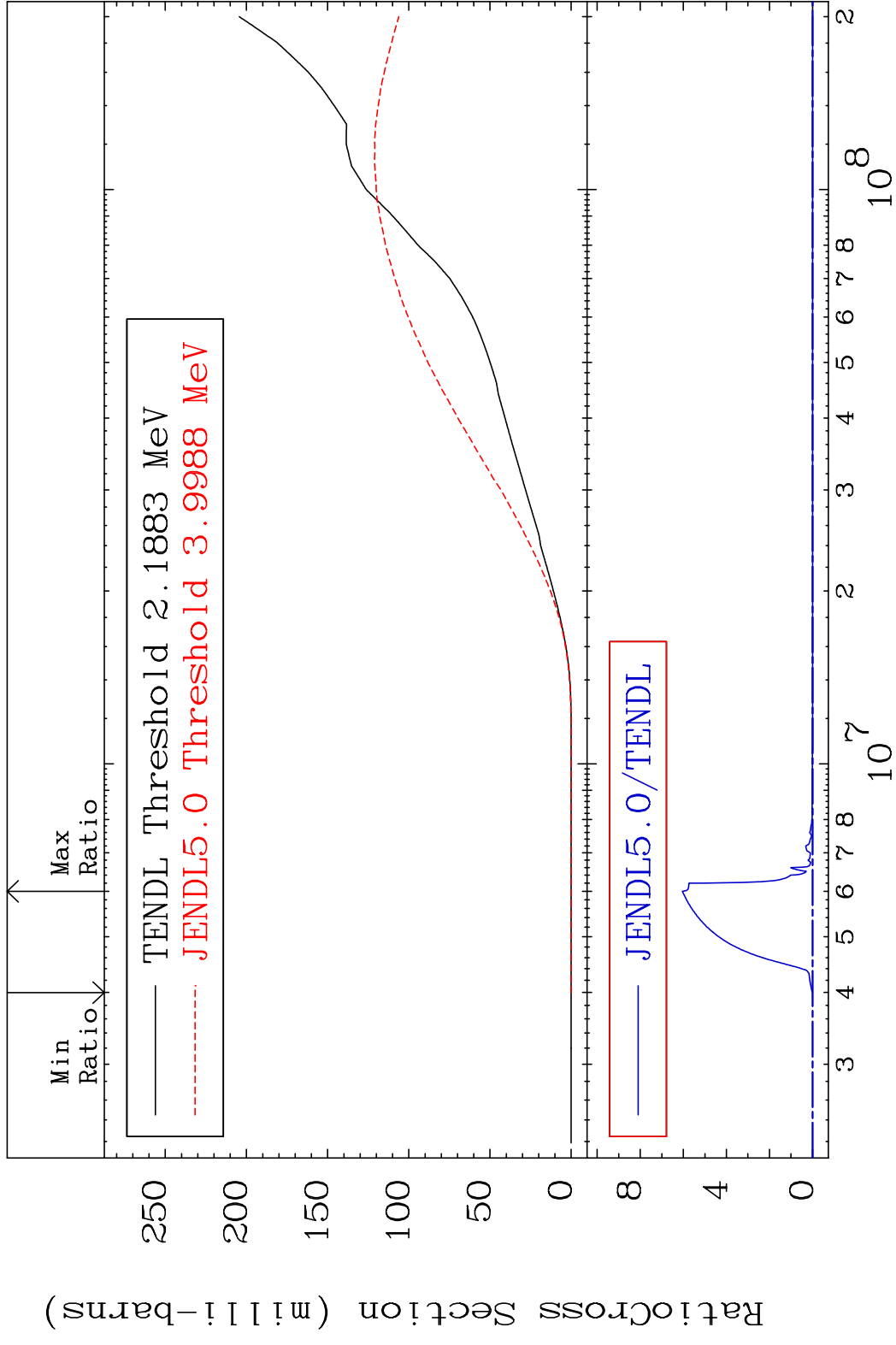
Cross Section -99.70 To 107.7 %



MAT 7228

Deuterium Production
Cross Section -100.0 To 9999. %

72-Hf-175



38

Incident Energy (eV)

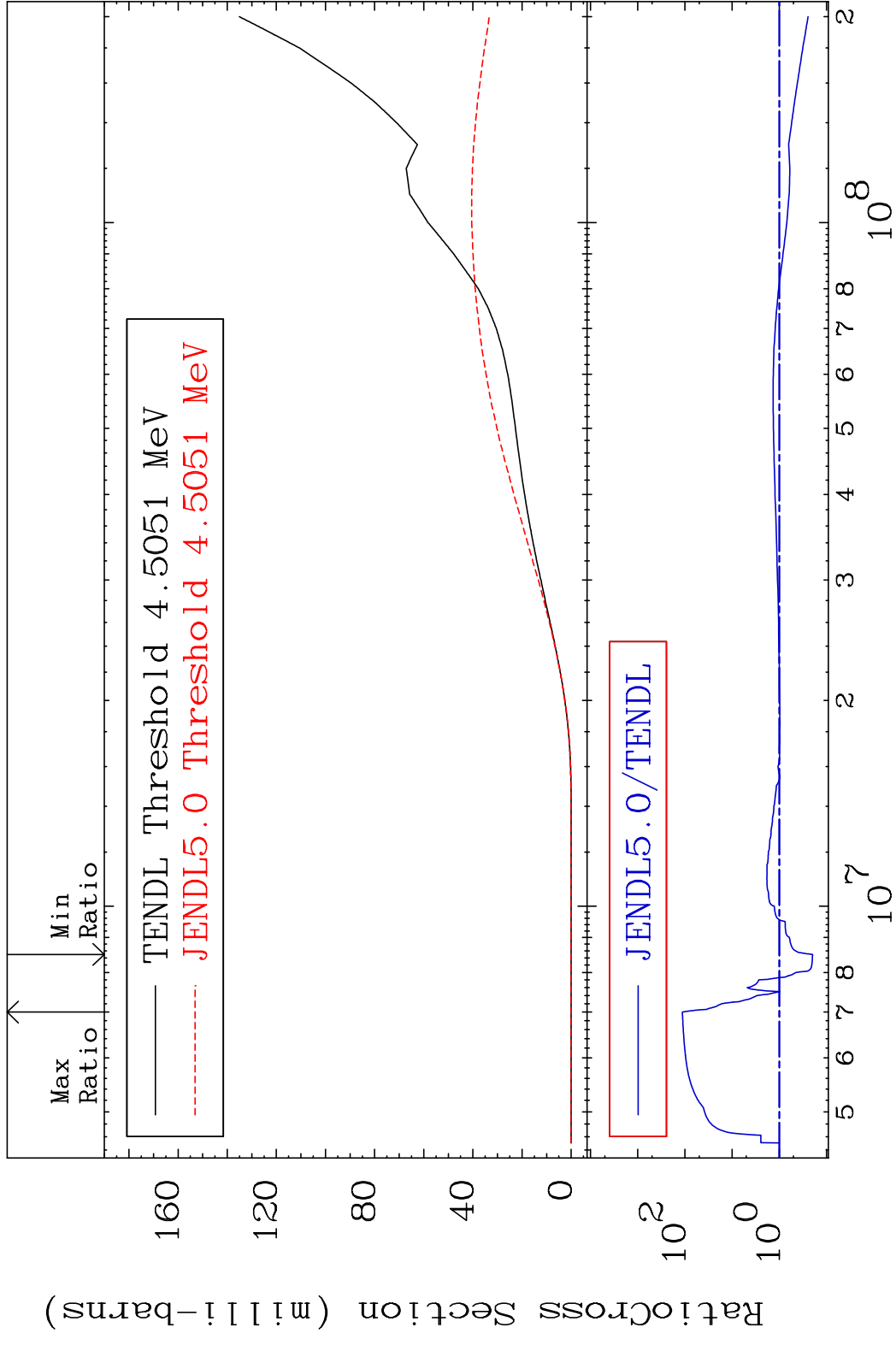
72-Hf-175

MAT 7228

Tritium Production

72-Hf-175

Cross Section -80.26 To 9999. %

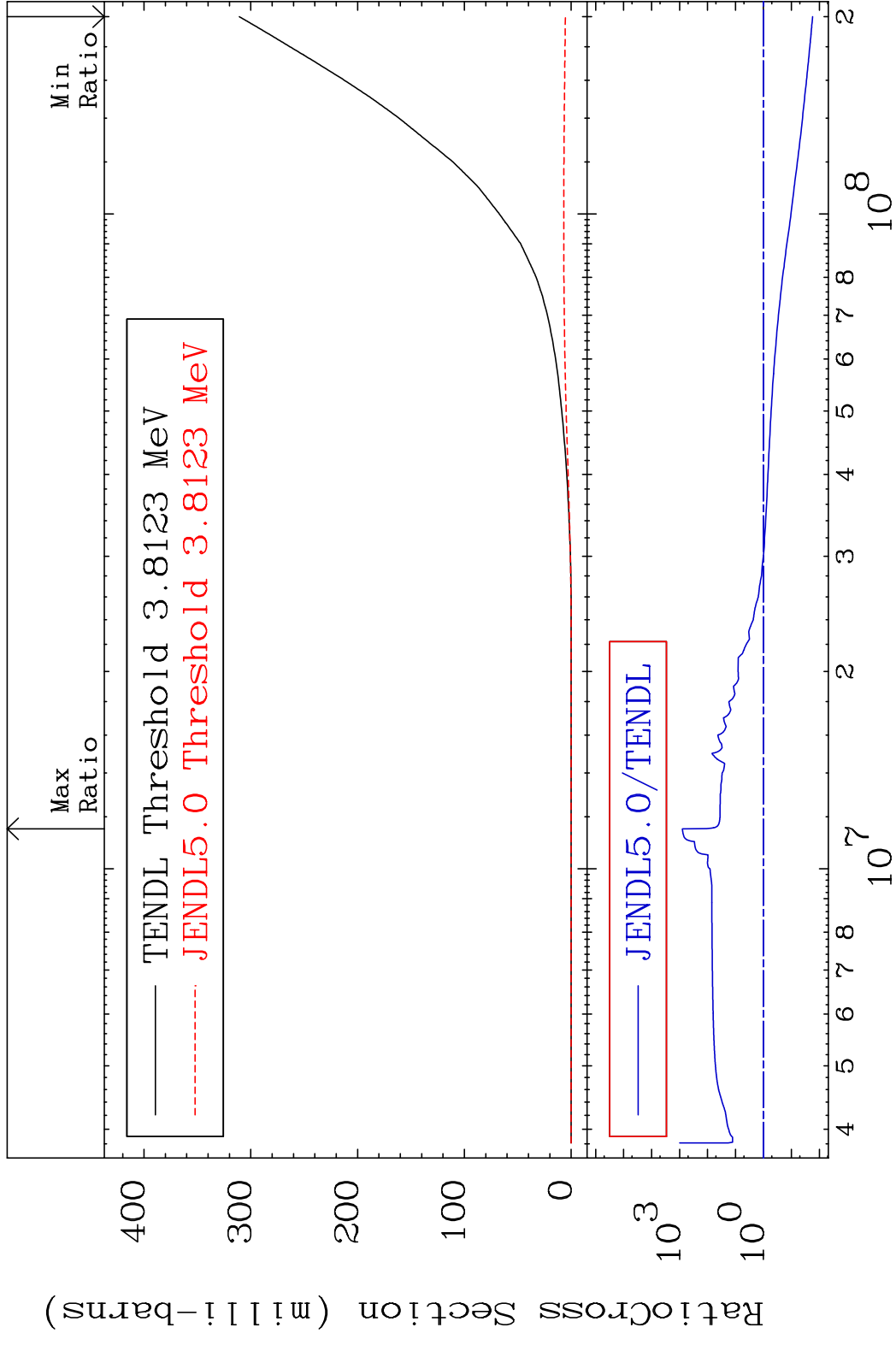


MAT 7228

He-3 Production

72-Hf-175

Cross Section -98.25 To 9999. %

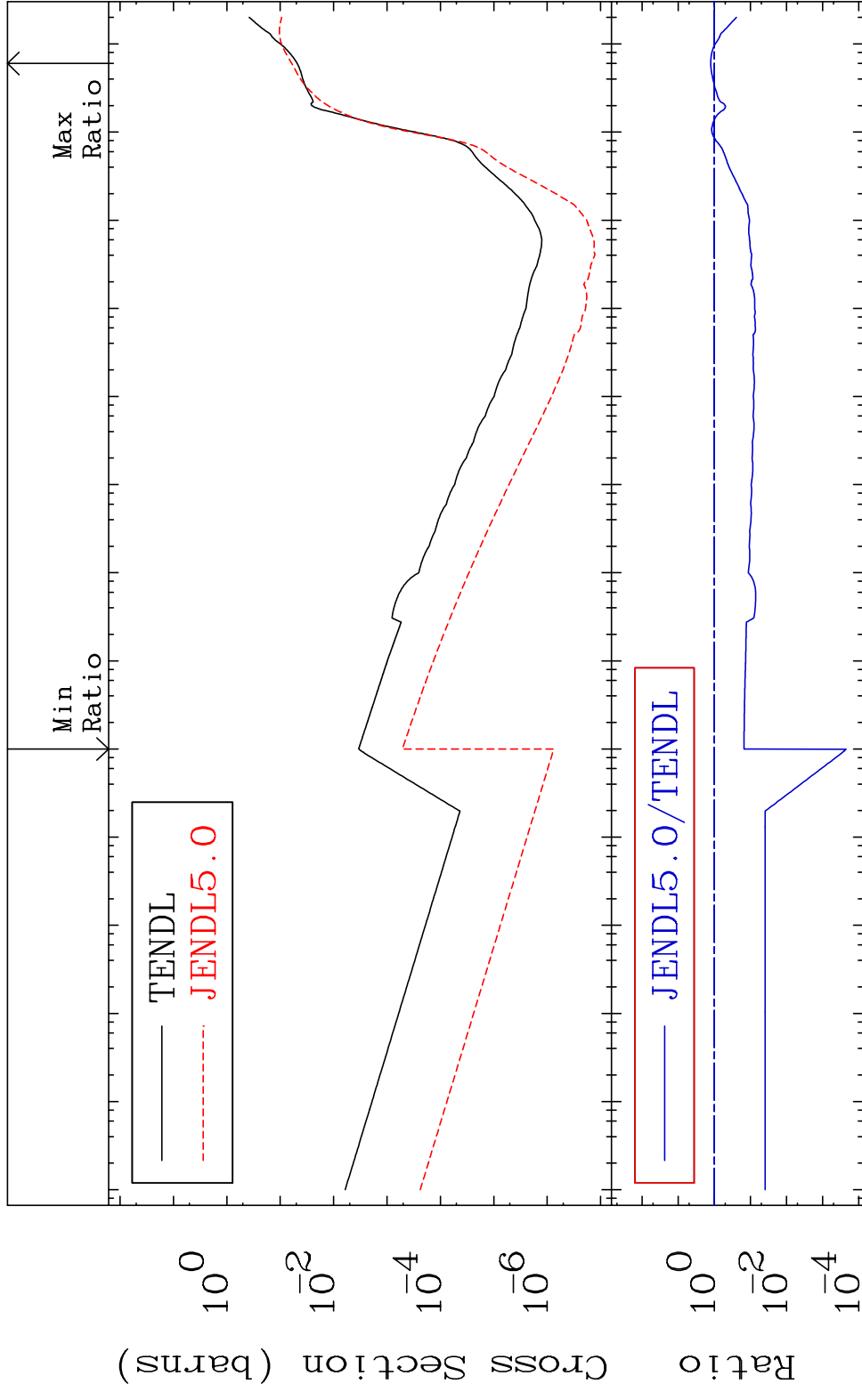


40

Incident Energy (eV)

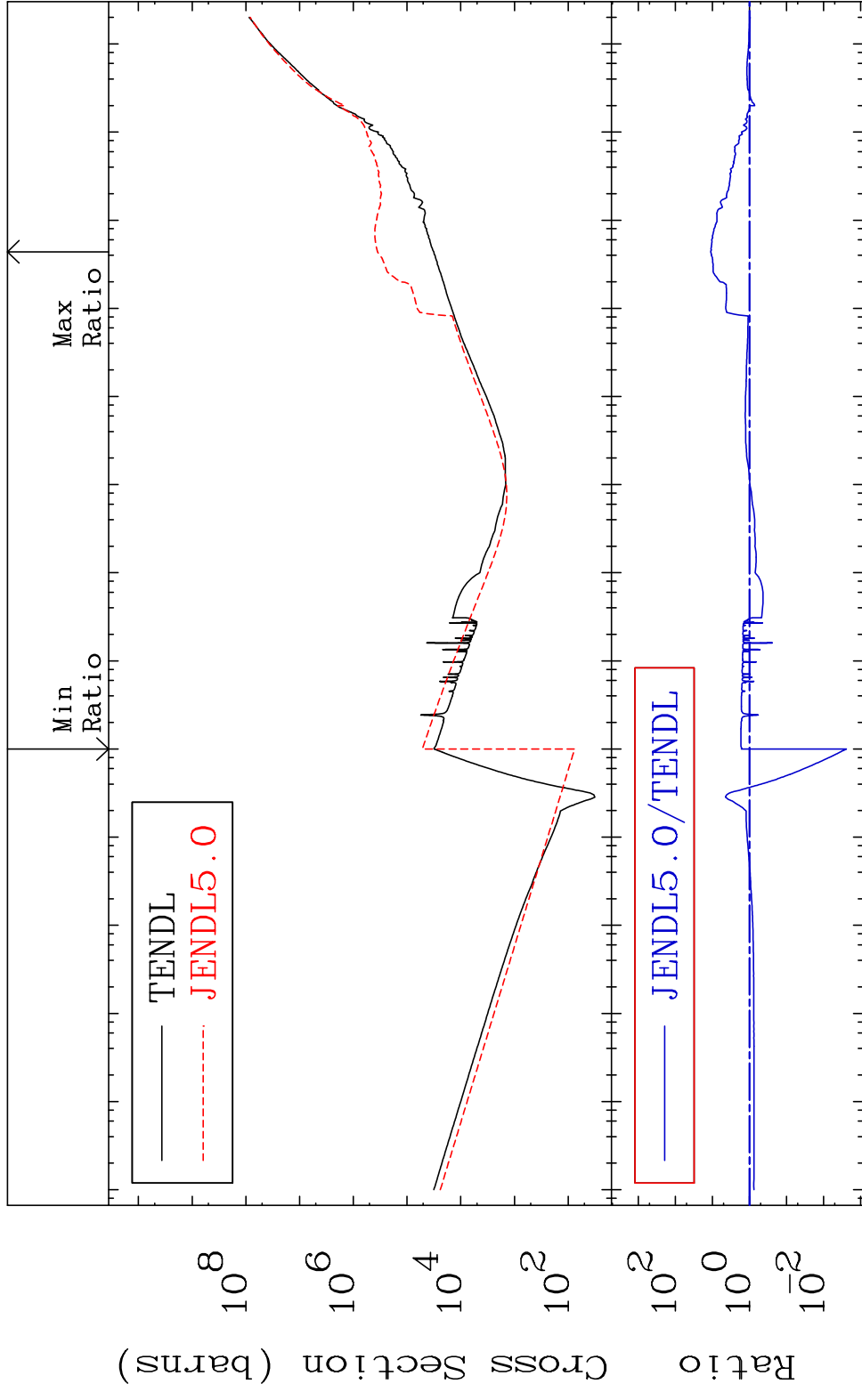
72-Hf-175

MAT 7228 He-4 Production 72-Hf-175
 Cross Section -99.98 To 26.69 %



41 Incident Energy (eV) 72-Hf-175

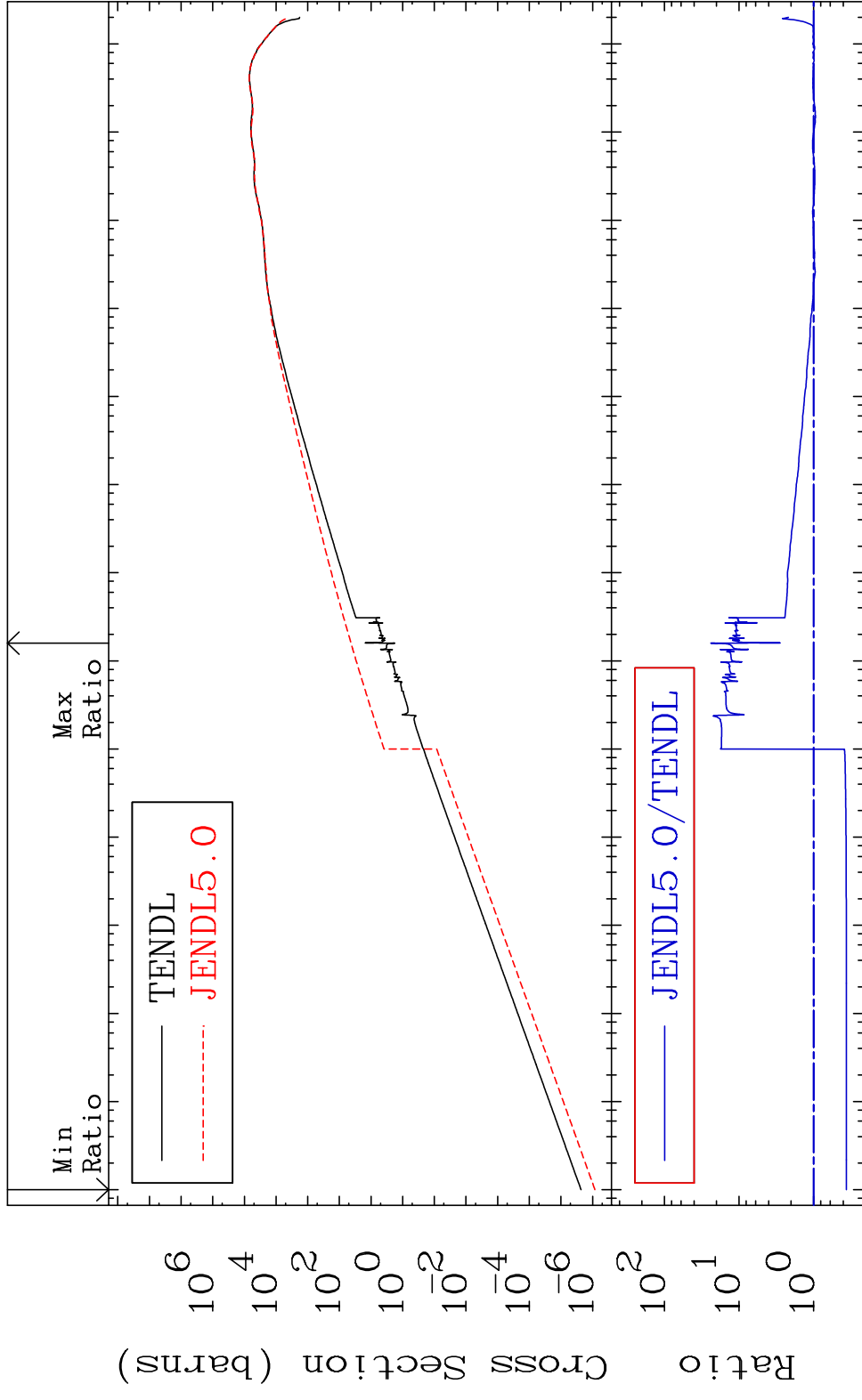
MAT 7228 Kerma total (eV-barns) 72-Hf-175
 Cross Section -99.76 To 1014. %



MAT 7228

Kerma elastic
Cross Section -63.64 To 2295. %

72-Hf-175



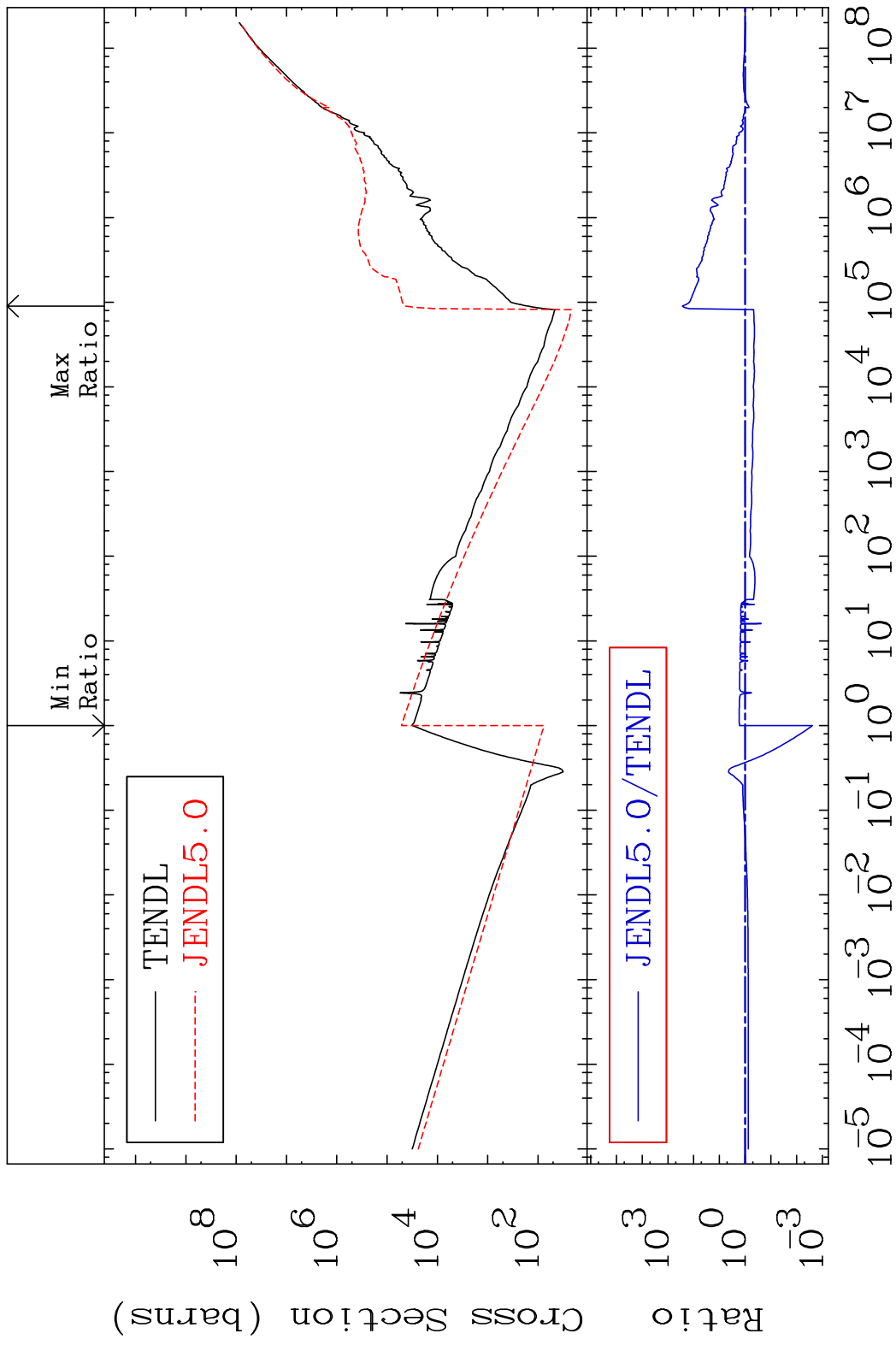
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

43

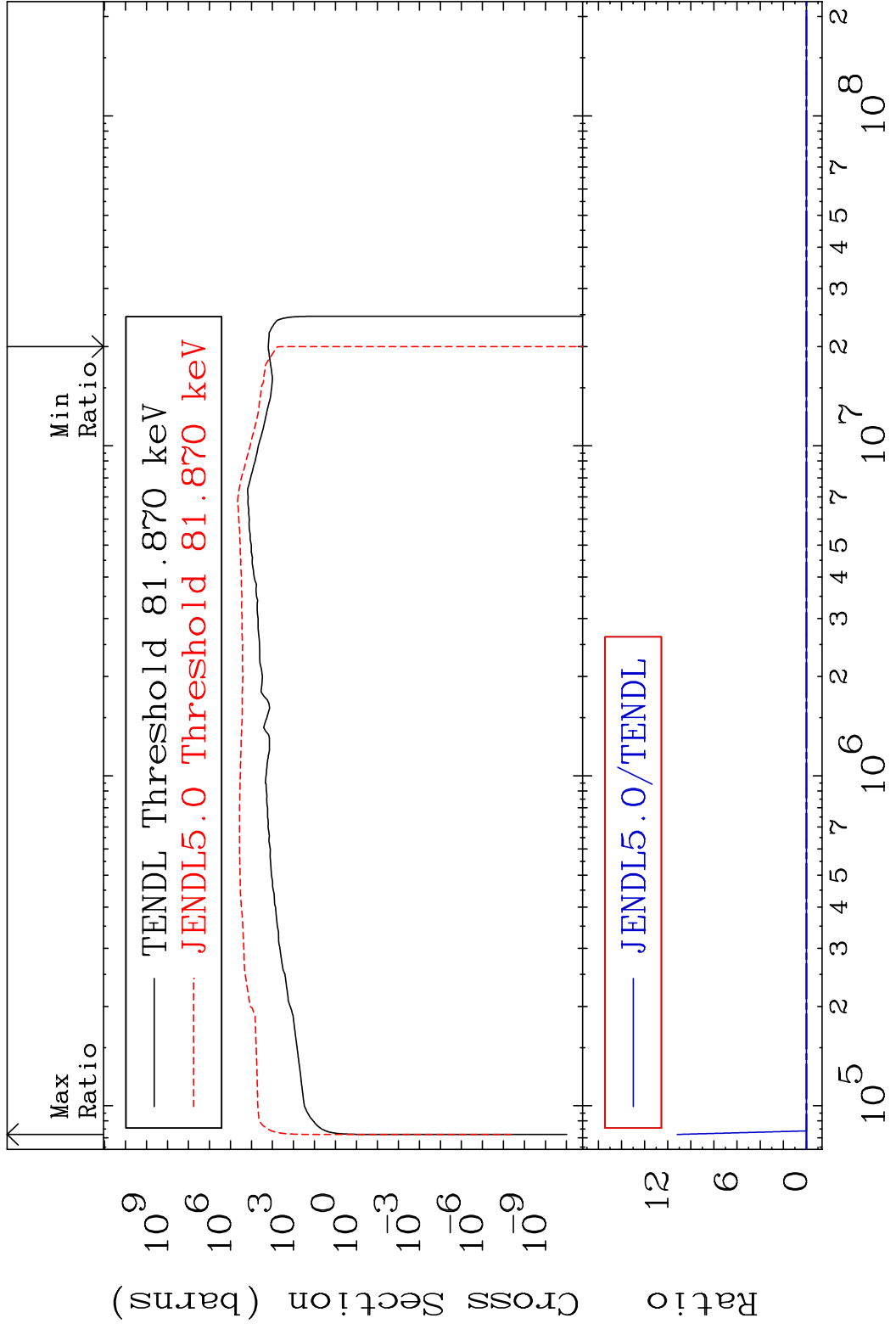
Incident Energy (eV)

72-Hf-175

MAT 7228 Kerma non-elastic (all but mt2) 72-Hf-175
 Cross Section -99.76 To 9999. %

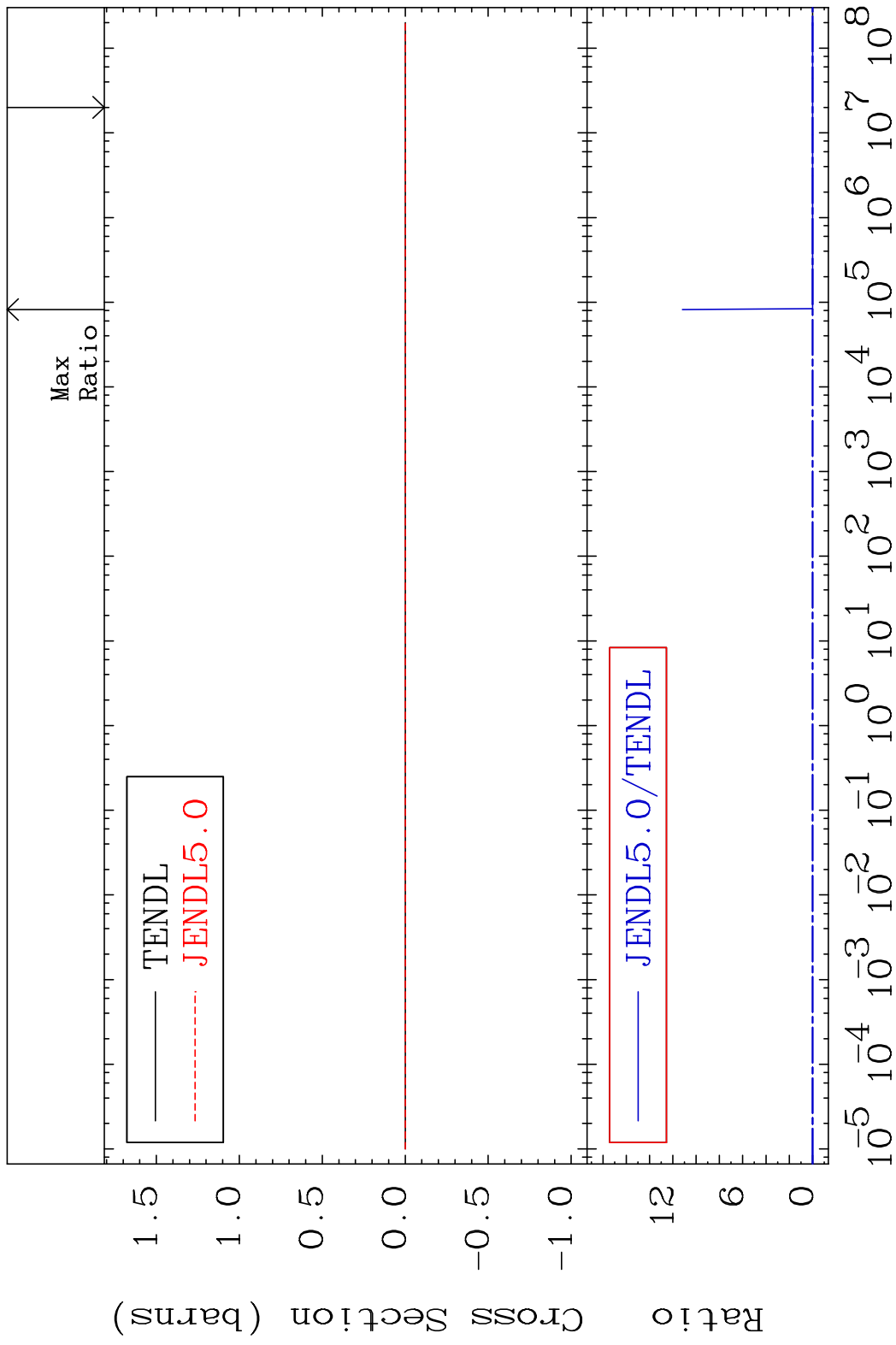


MAT 7228 Kerma inelastic (mt51-91) 72-Hf-175
 Cross Section -100.0 To 9999. %



45 Incident Energy (eV) 72-Hf-175

MAT 7228 Kerma fission (mt18 or mt19-20-21-38) 72-Hf-175
 Cross Section -100.0 To 9999. %

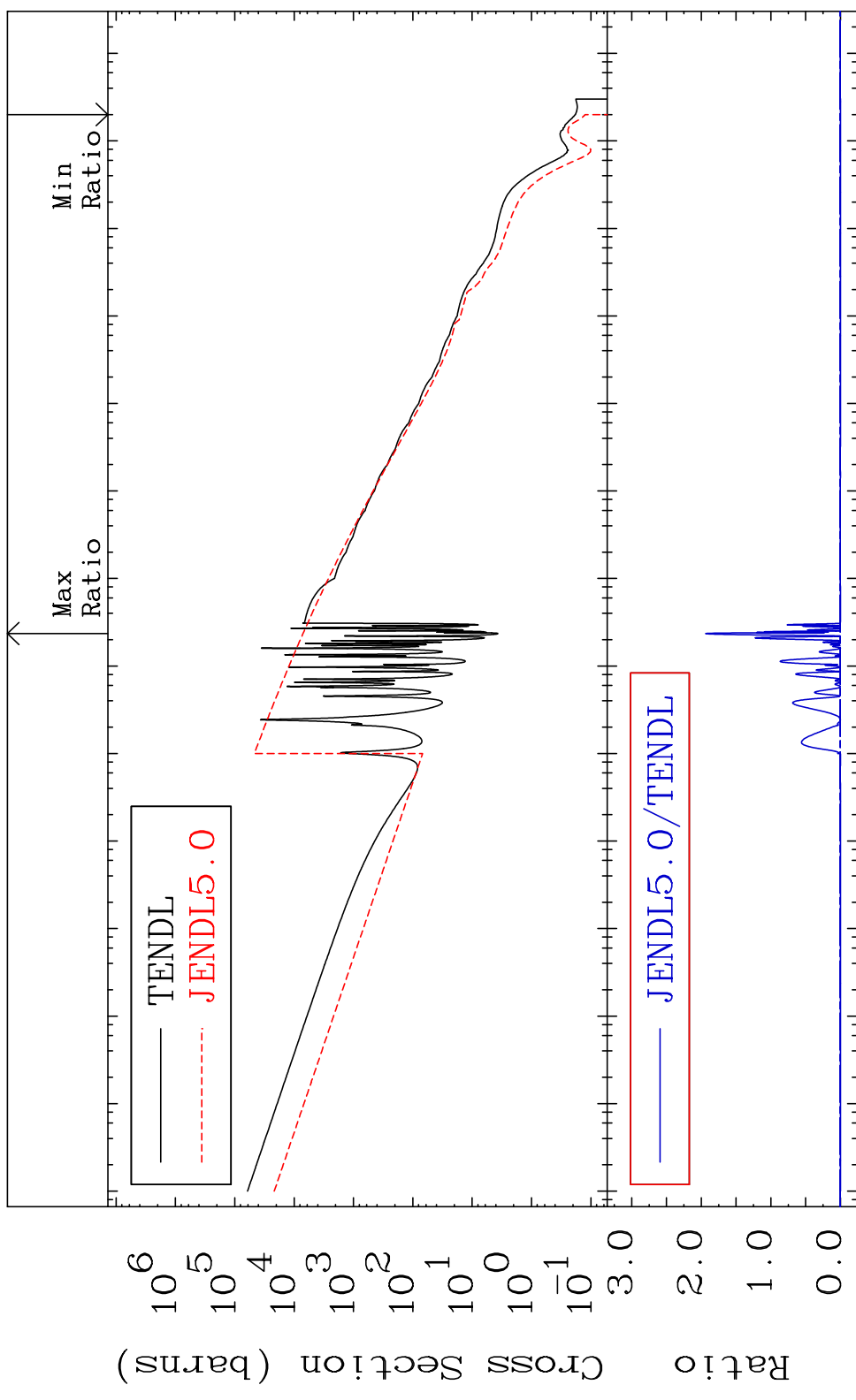


MAT 7228

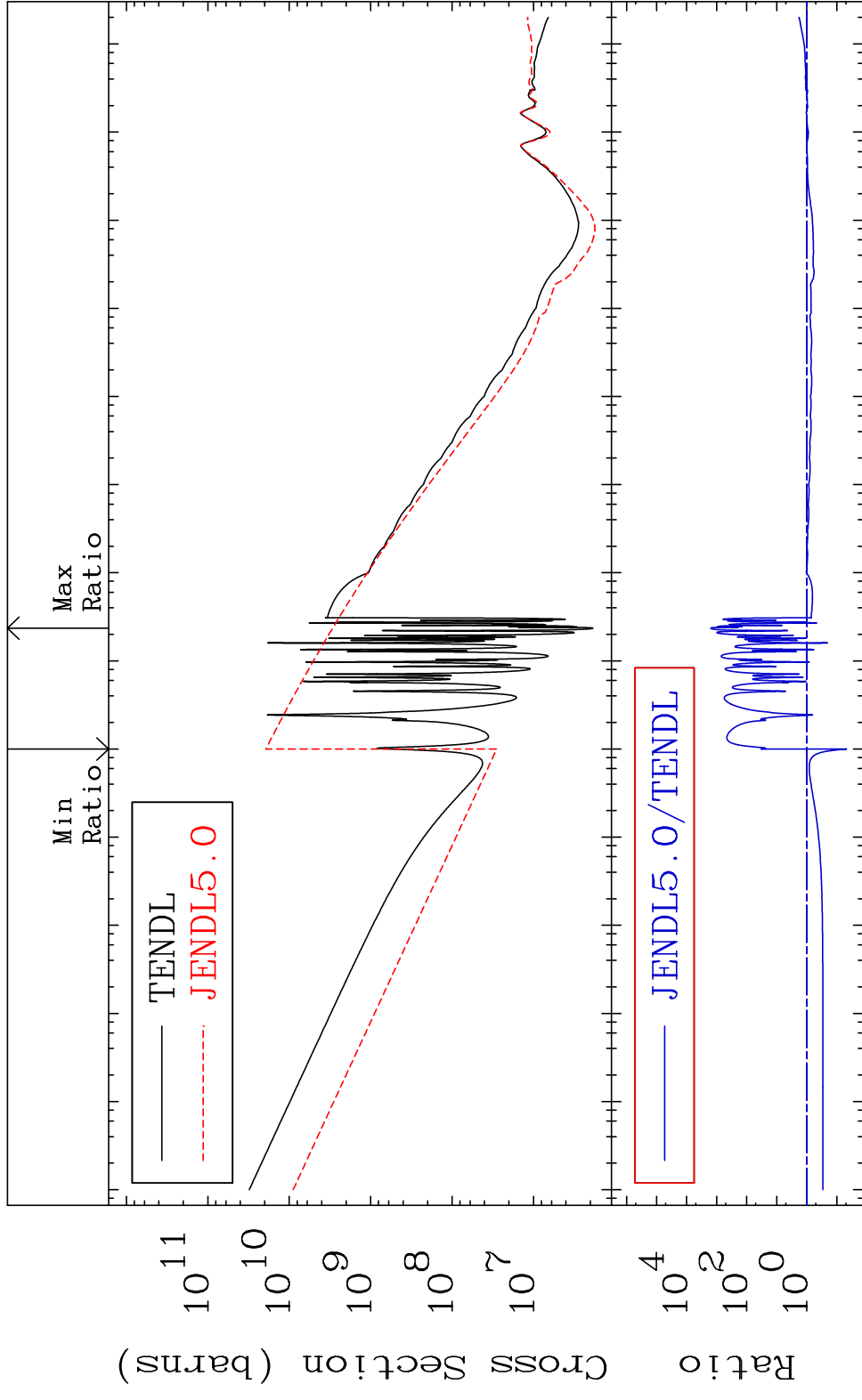
Kerma capture (mt102)

72-Hf-175

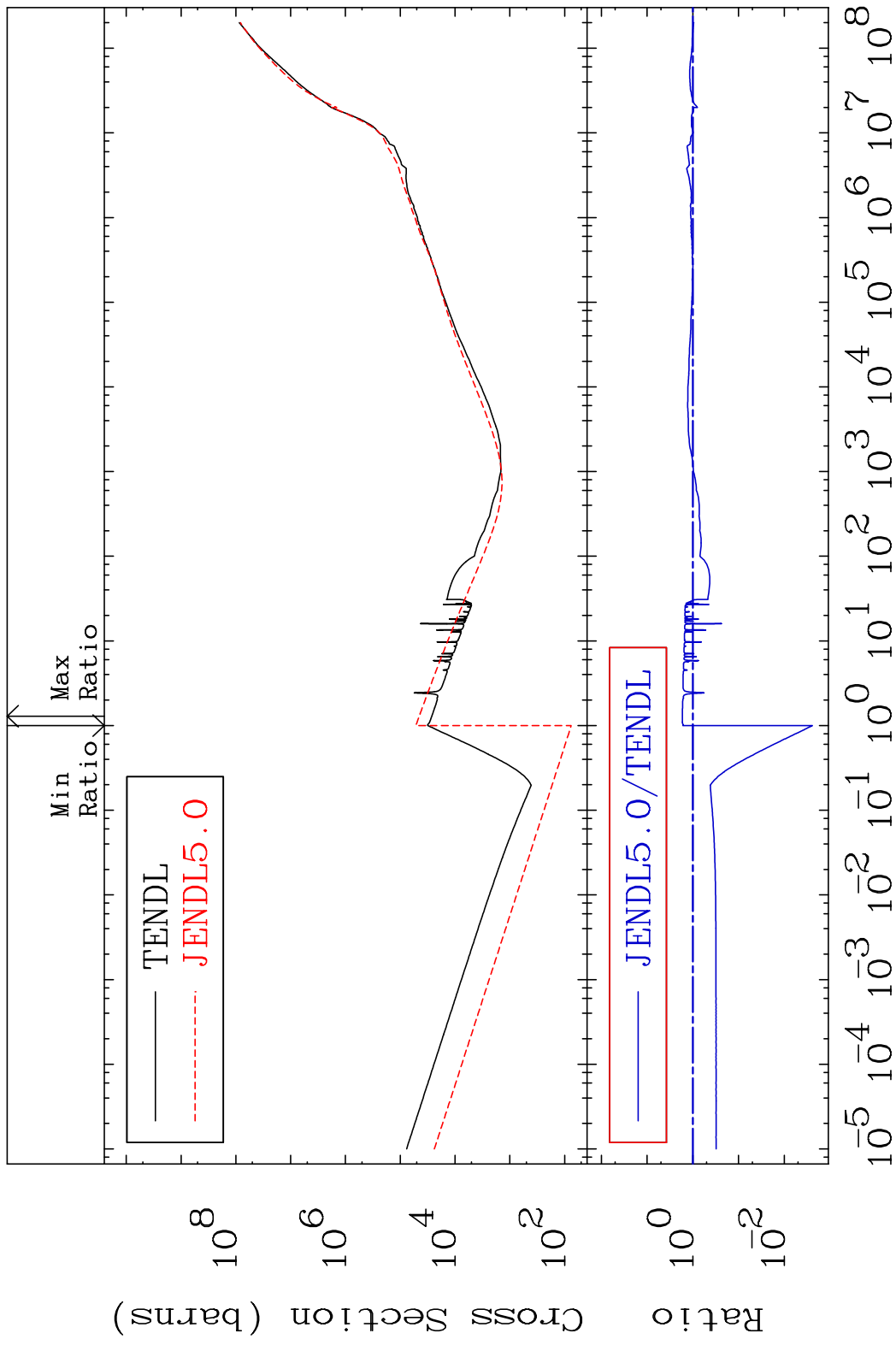
Cross Section -100.0 To 9999. %



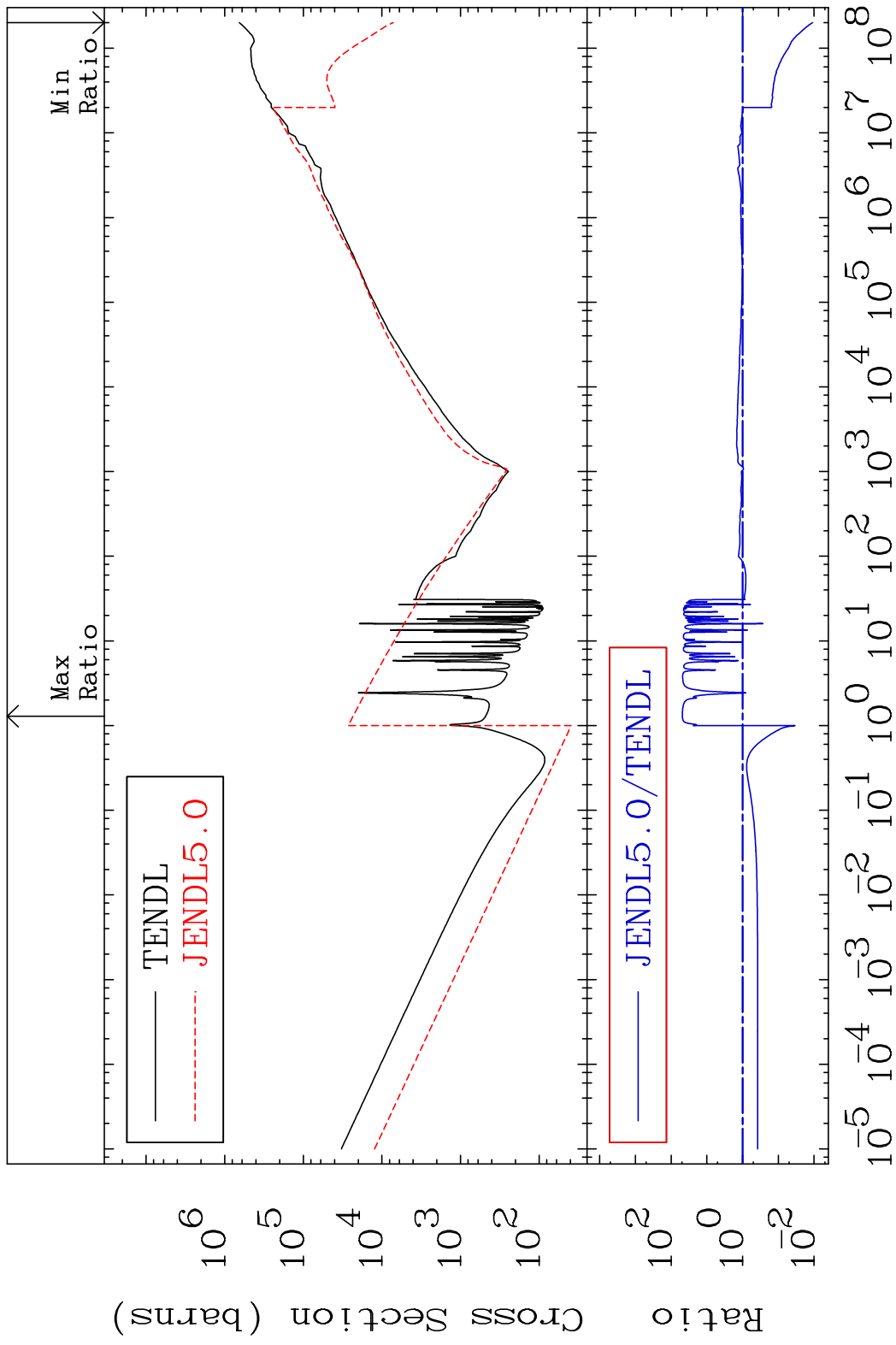
MAT 7228 Total photon (eV-barns) 72-Hf-175
 Cross Section -95.20 To 9999. %



MAT 7228 Total kinematic kerma (high limit) 72-Hf-175
 Cross Section -99.76 To 69.84 %



MAT 7228 Dpa total (eV-barns) 72-Hf-175
 Cross Section -98.90 To 4749. %

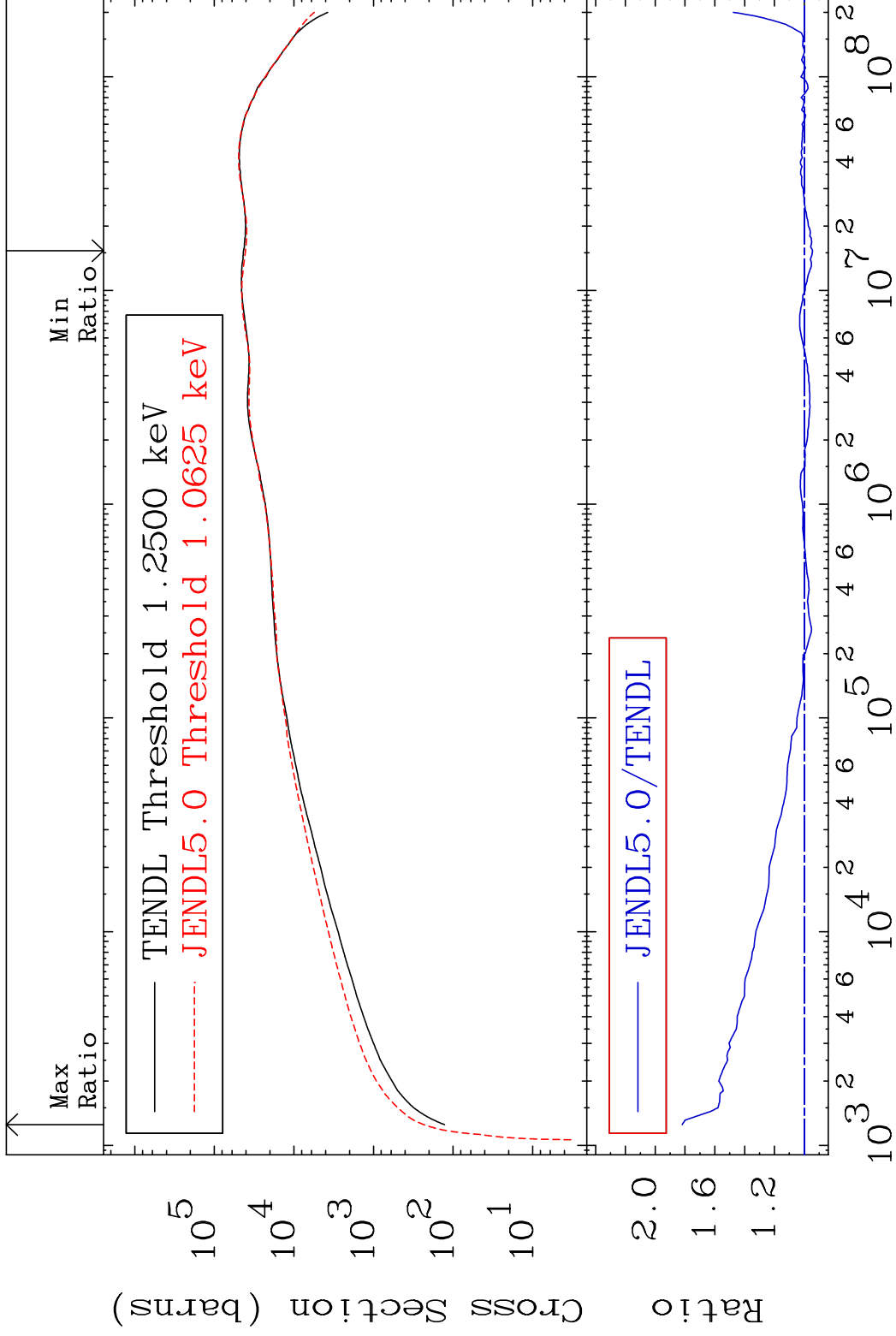


MAT 7228

Dpa elastic (mt2)

72-Hf-175

Cross Section -5.526 To 81.92 %

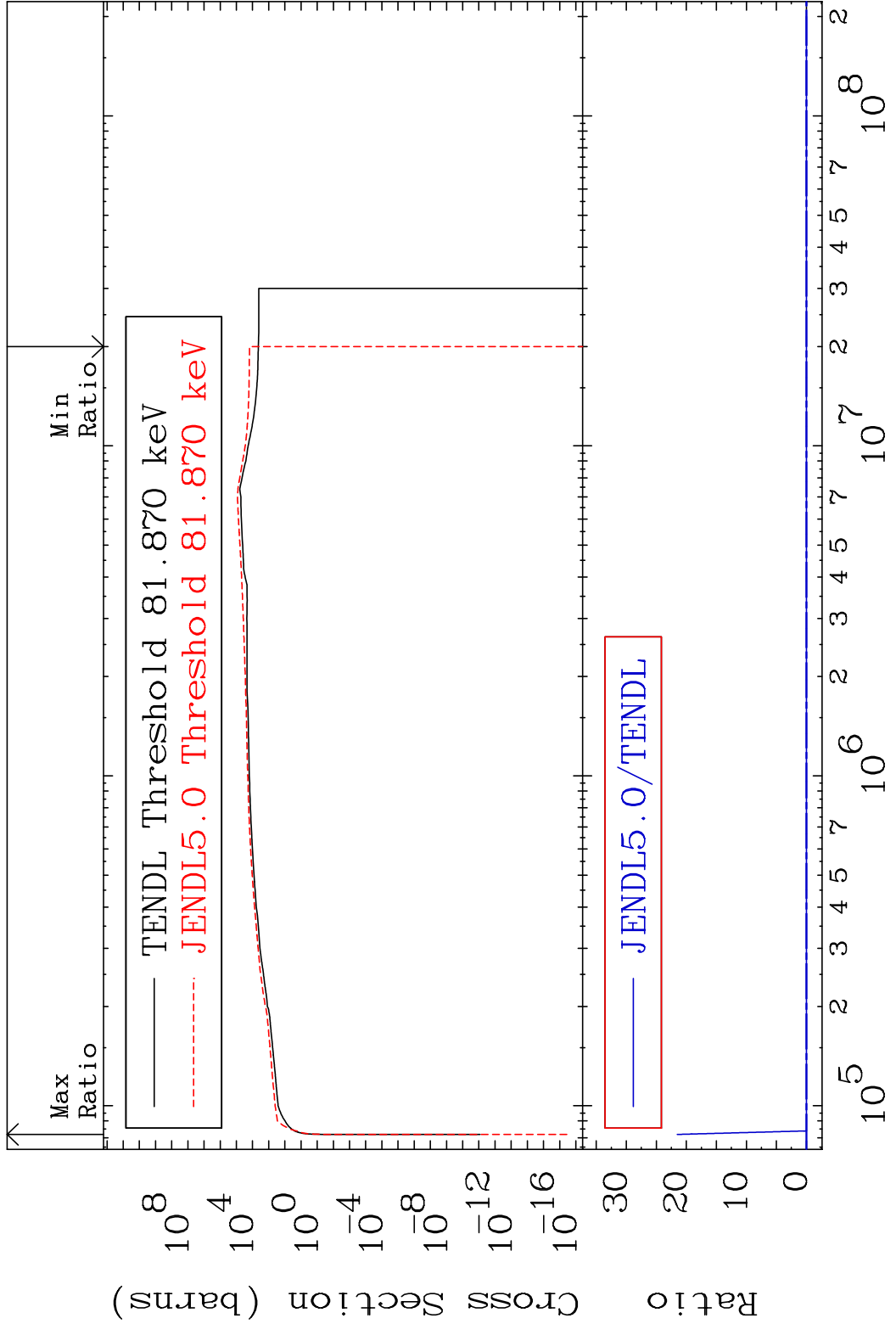


51

Incident Energy (eV)

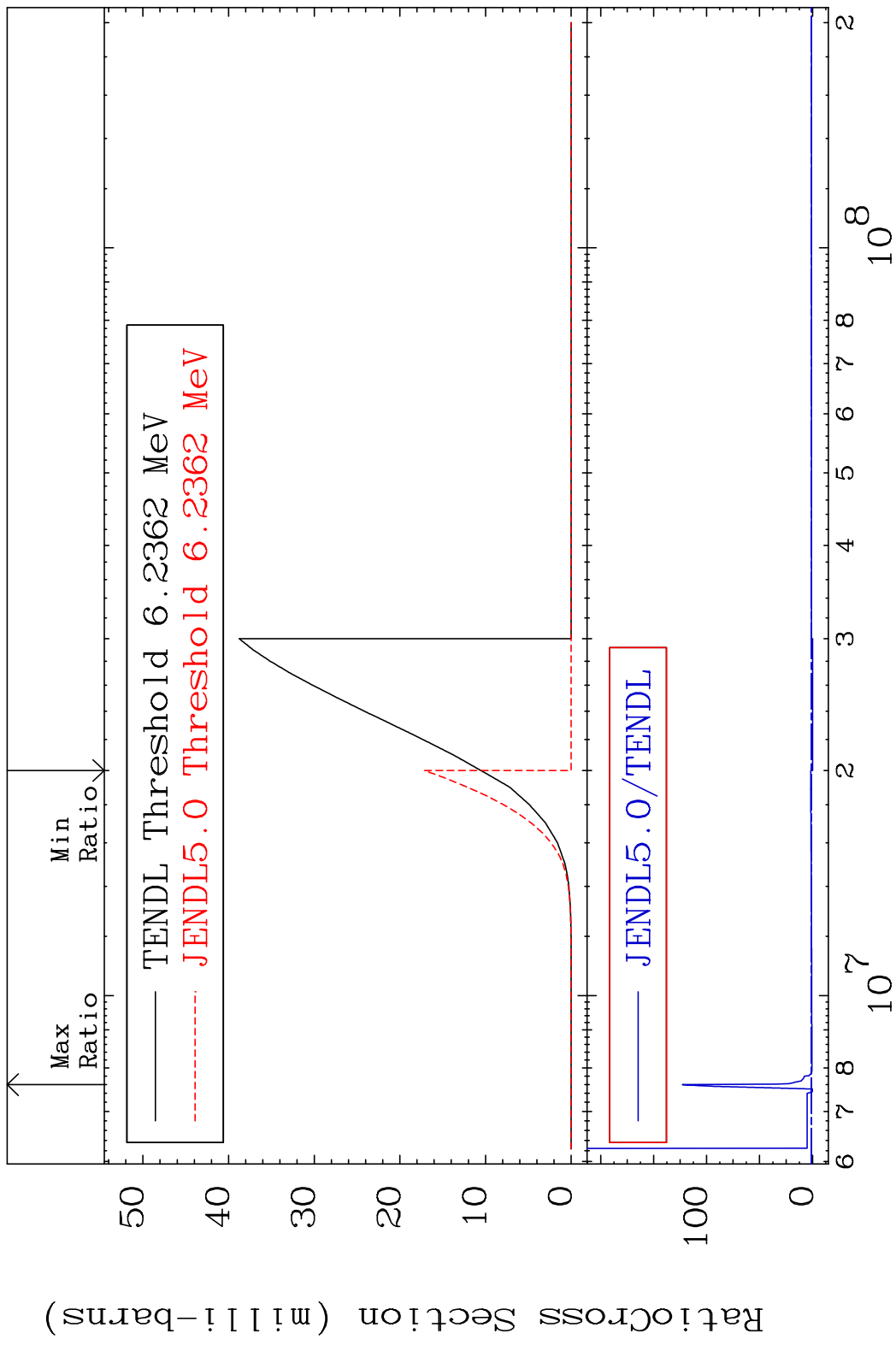
72-Hf-175

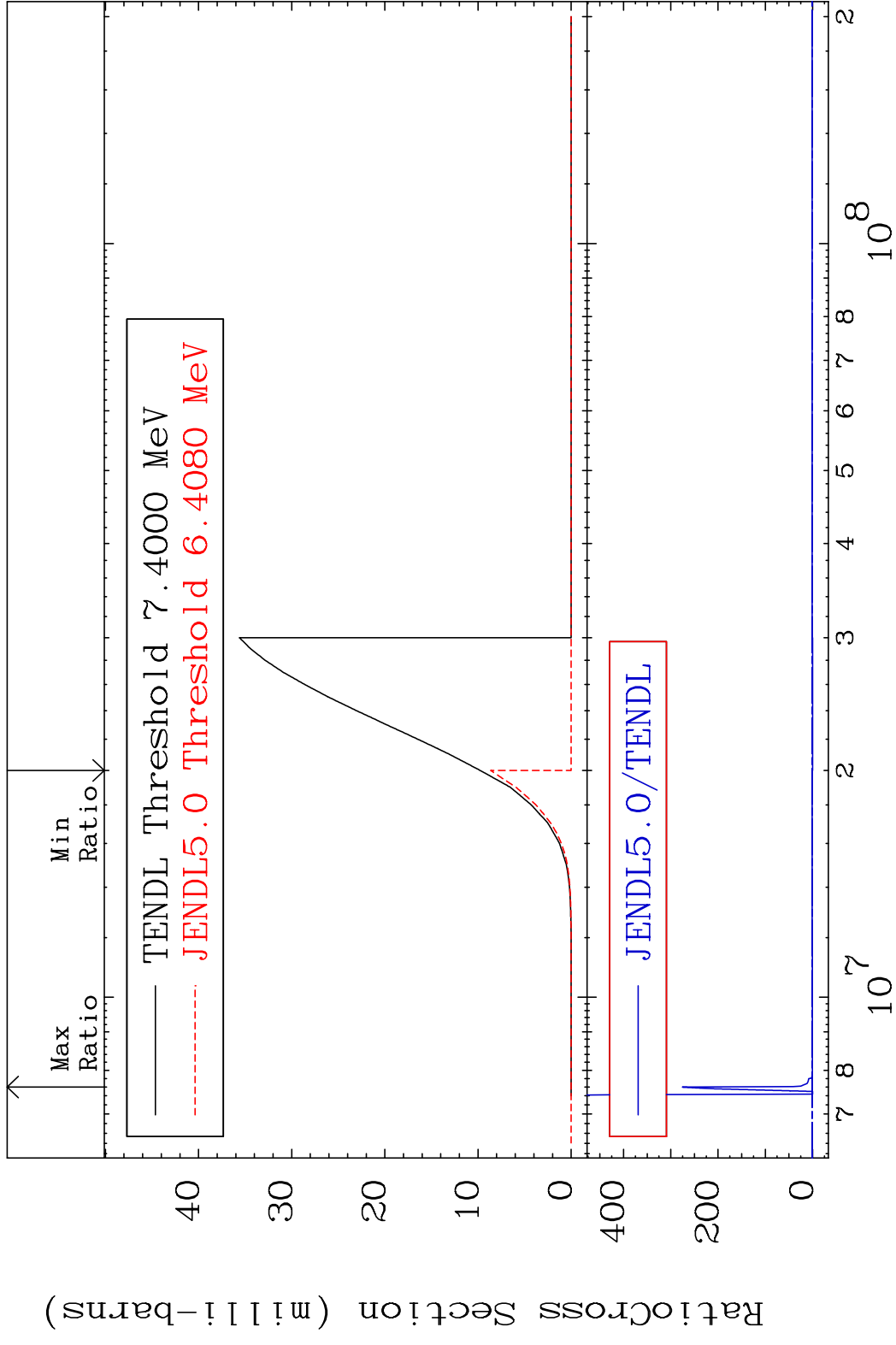
MAT 7228 Dpa inelastic (mt51-91) 72-Hf-175
 Cross Section -100.0 To 9999. %

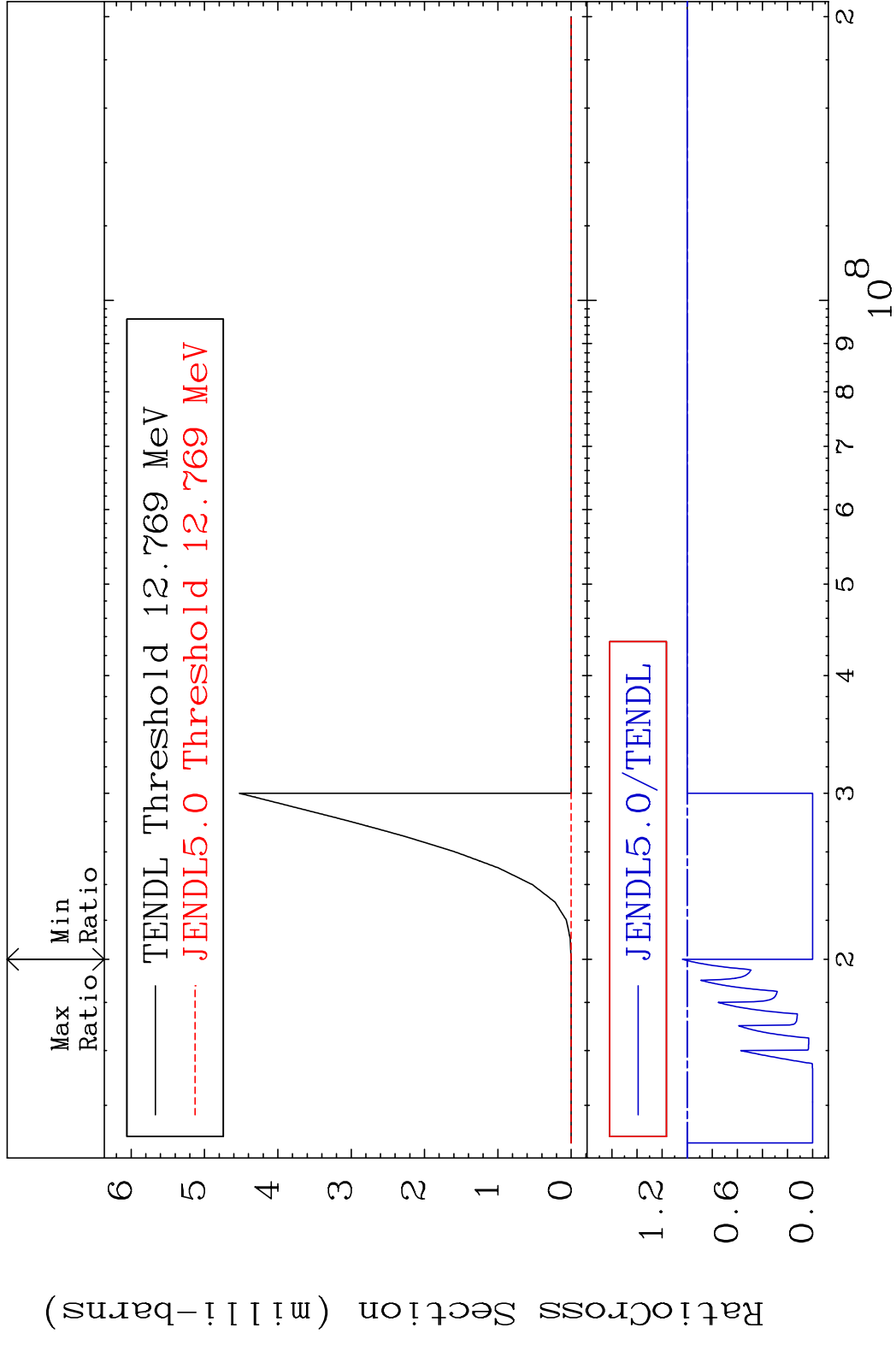


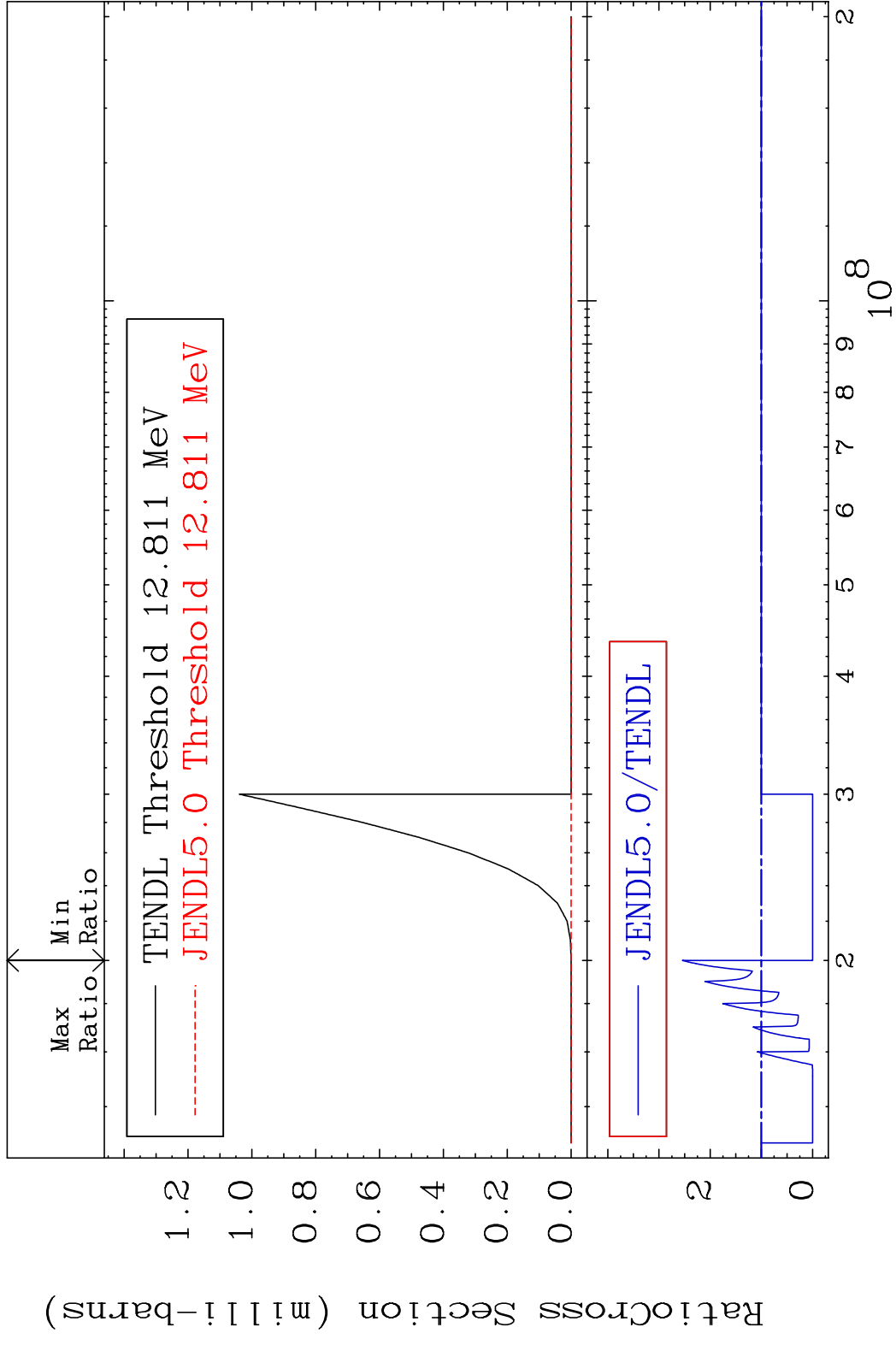
MAT 7228 Dpa disappearance (mt102 -120) 72-Hf-175
 Cross Section -100.0 To 4749. %

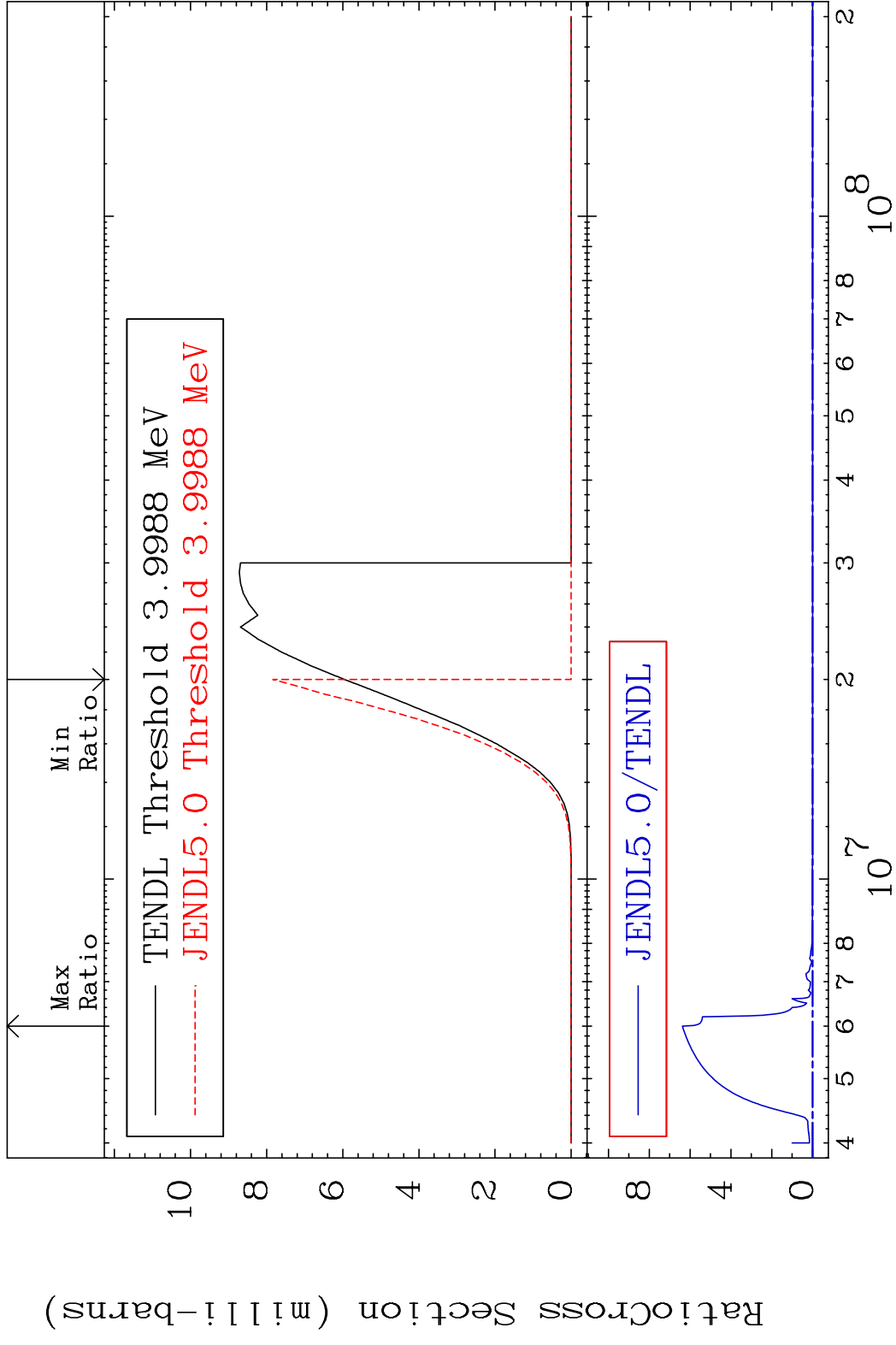


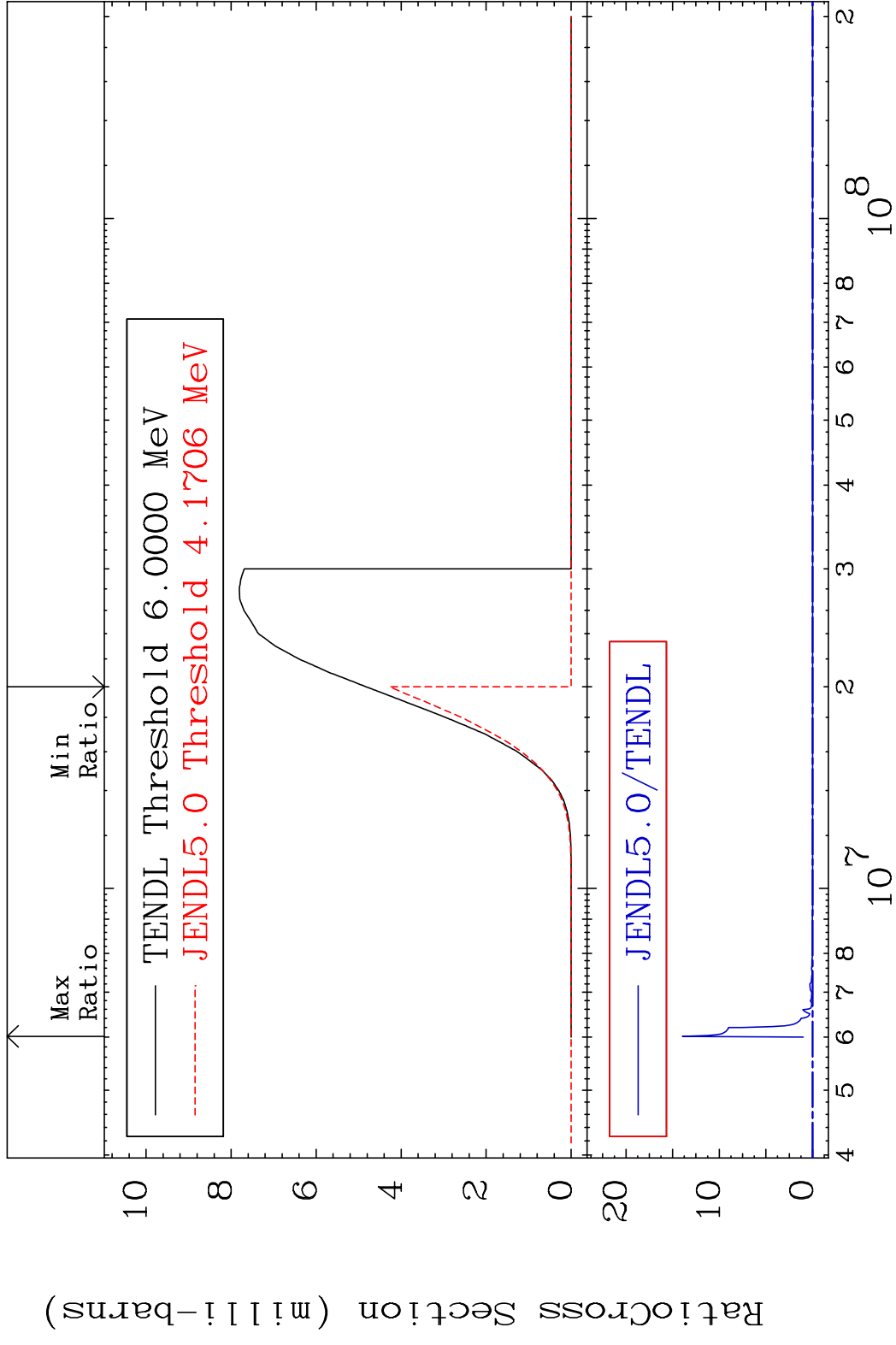




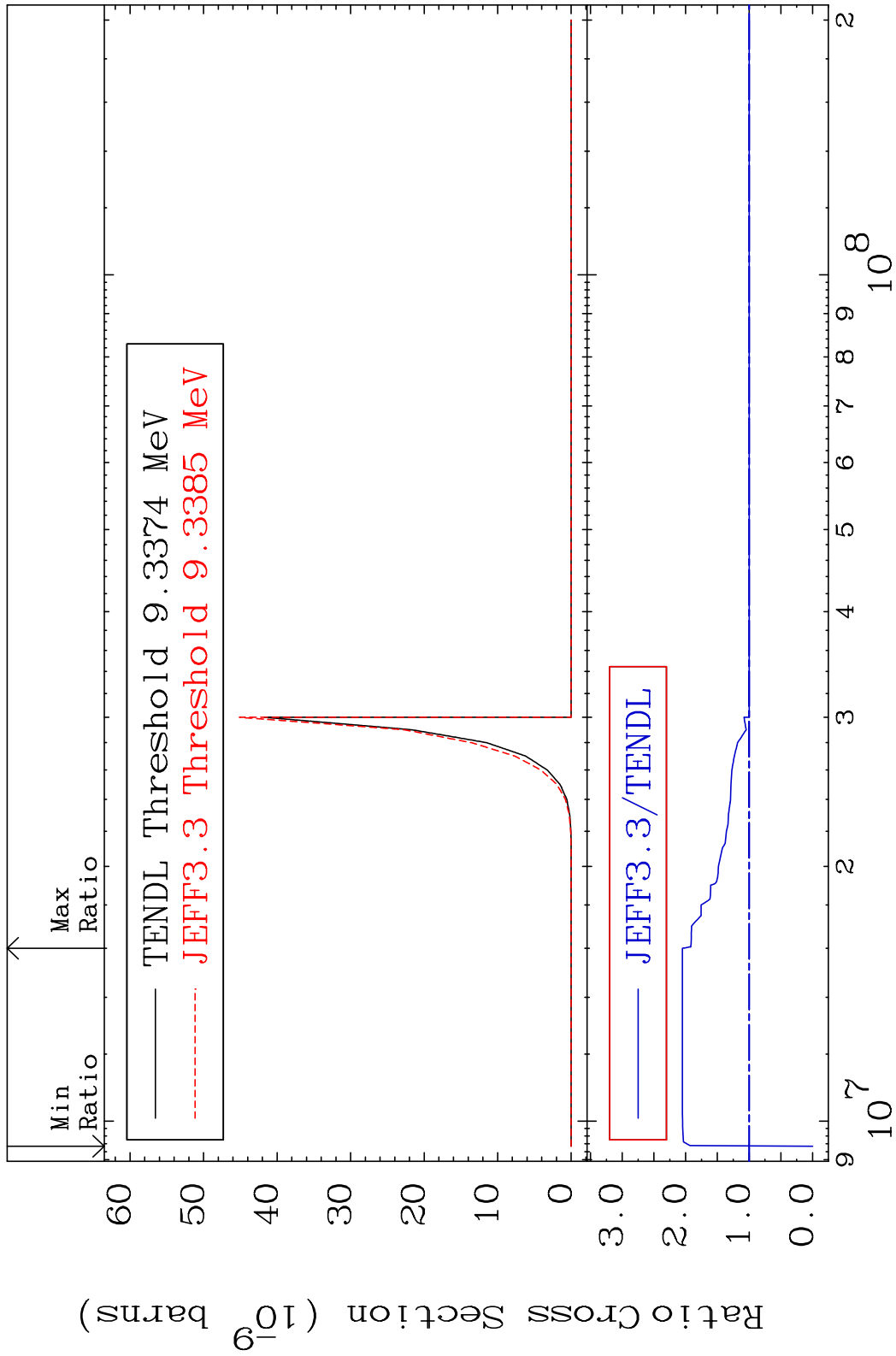






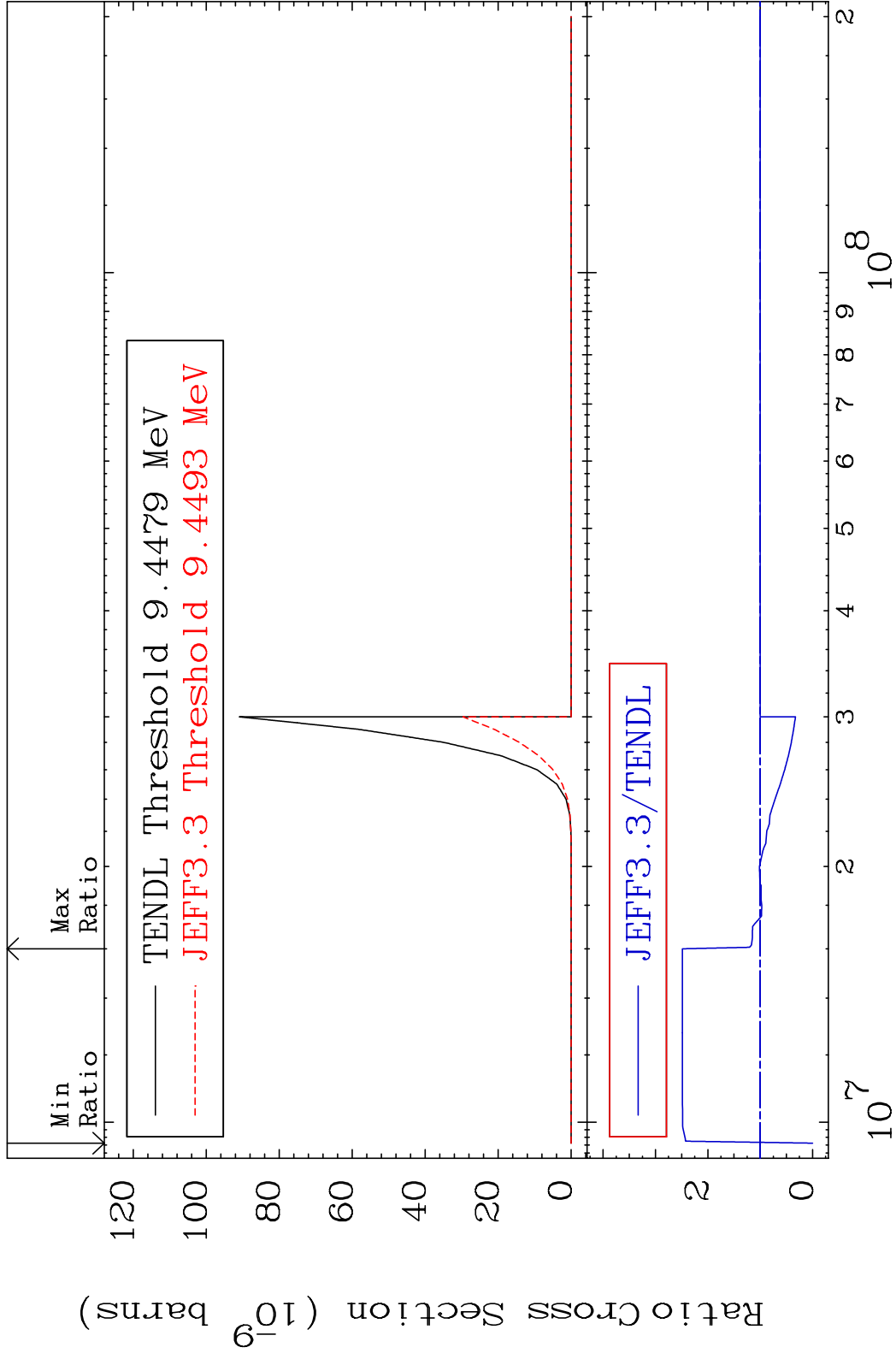


MAT 7228 (n,p) d 72-Hf-175
 Cross Section -100.0 To 105.2 %



60 Incident Energy (eV) 72-Hf-175

MAT 7228 (n,p) t 72-Hf-175
 Cross Section -100.0 To 148.7 %

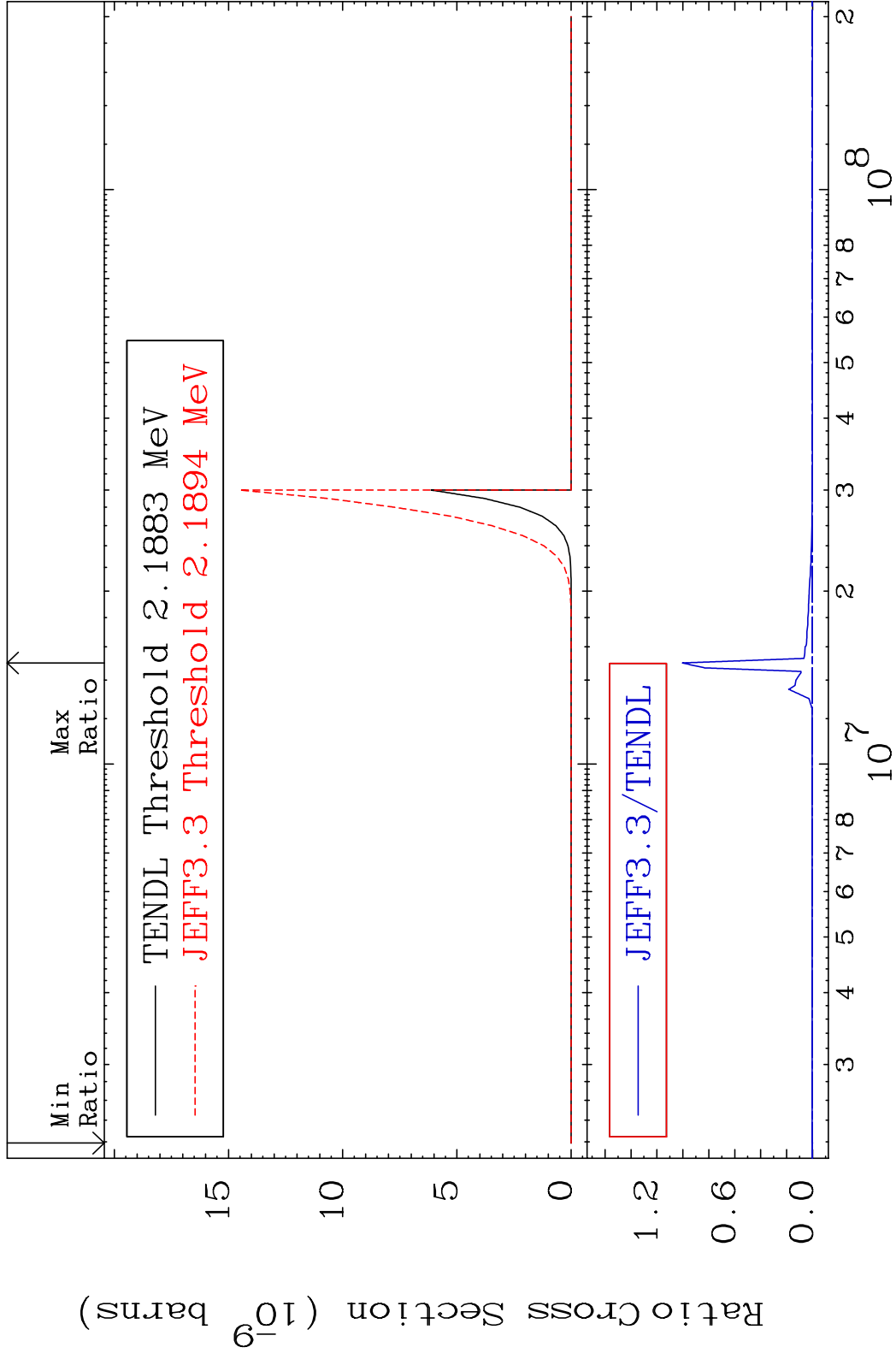


MAT 7228

(n,d) α

72-Hf-175

Cross Section -100.0 To 9999. %

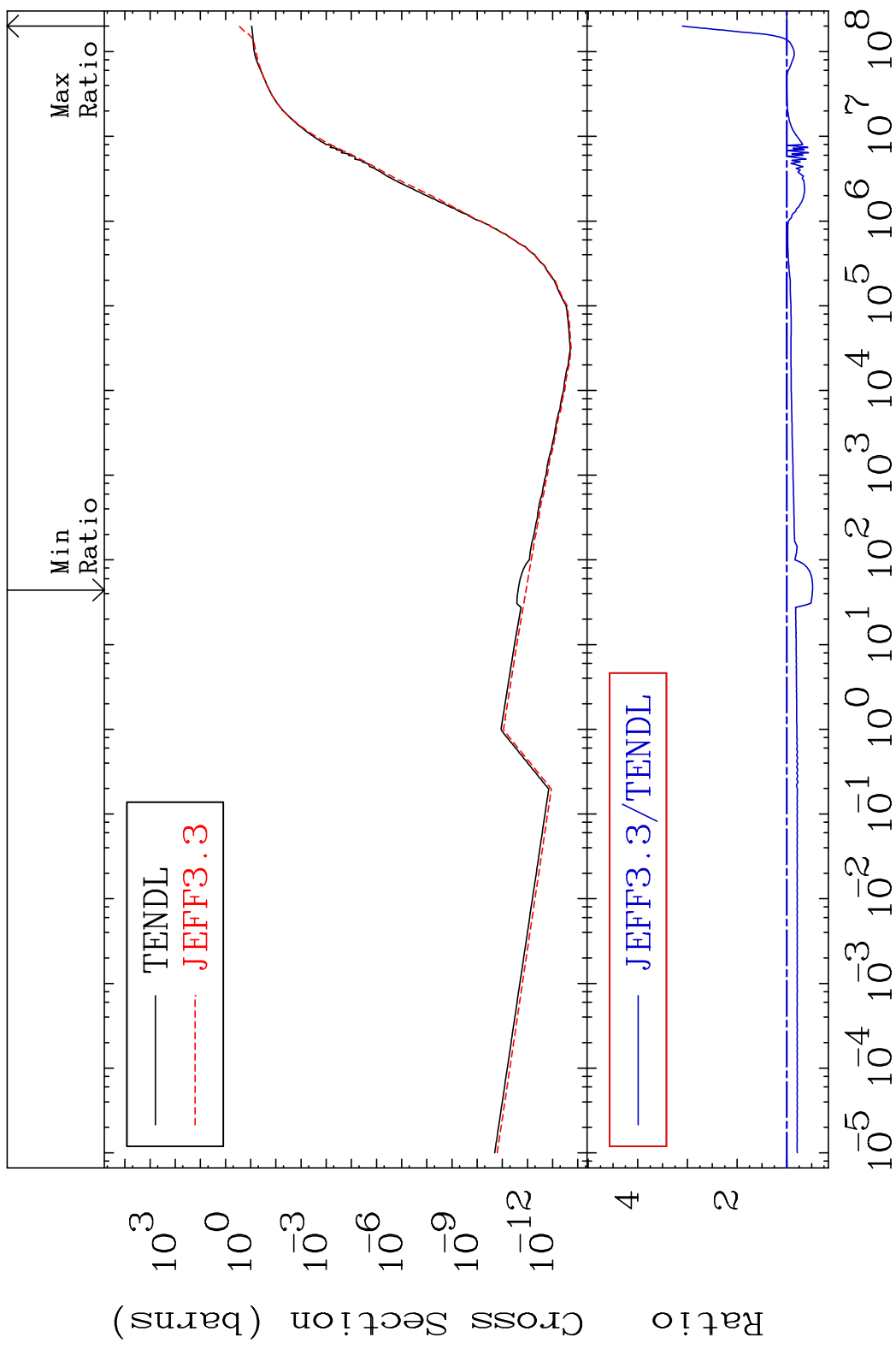


MAT 7228

Hydrogen Production

72-Hf-175

Cross Section -51.88 To 210.3 %



63

Incident Energy (eV)

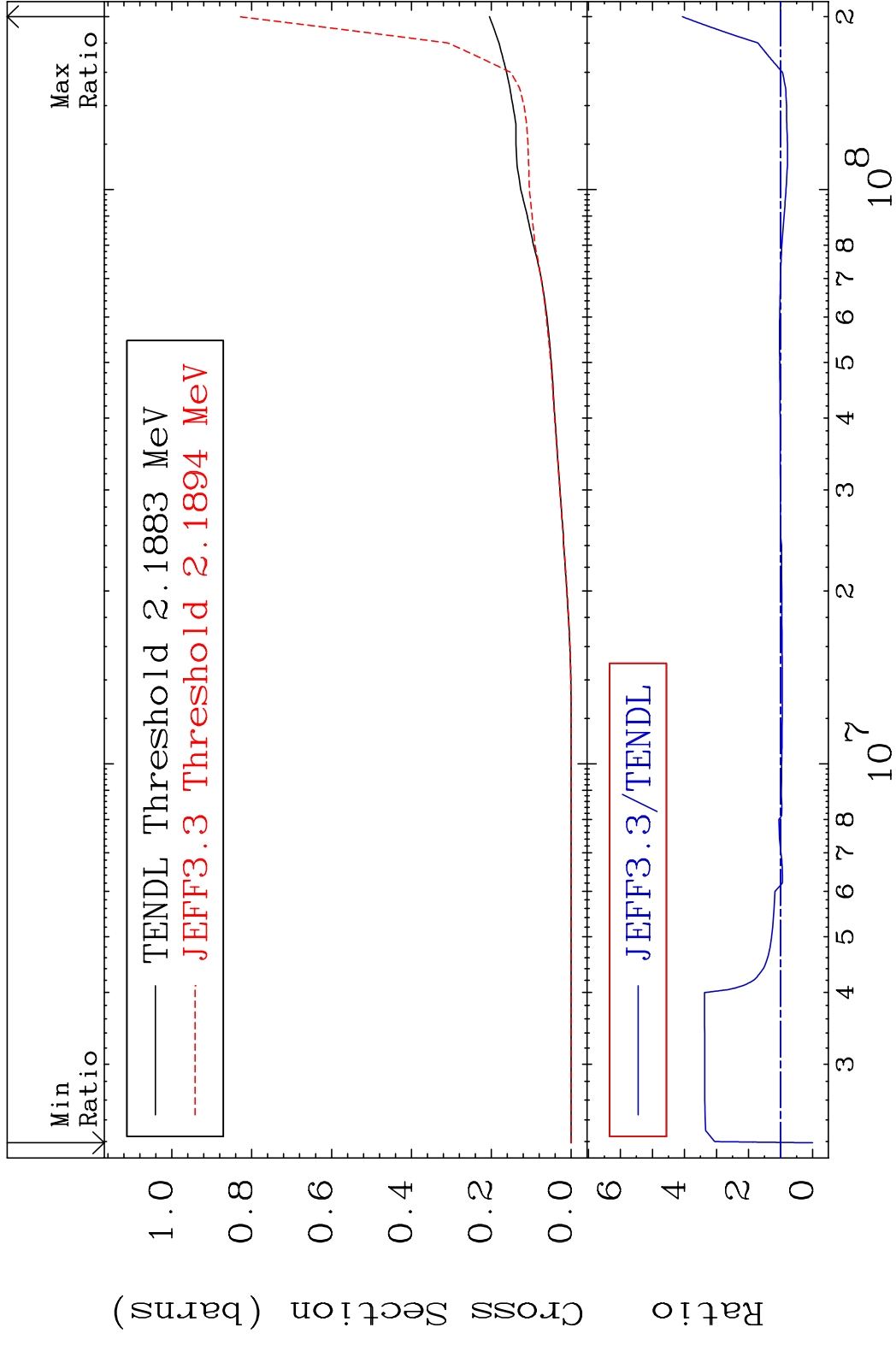
72-Hf-175

MAT 7228

Deuterium Production

72-Hf-175

Cross Section -100.0 To 306.6 %

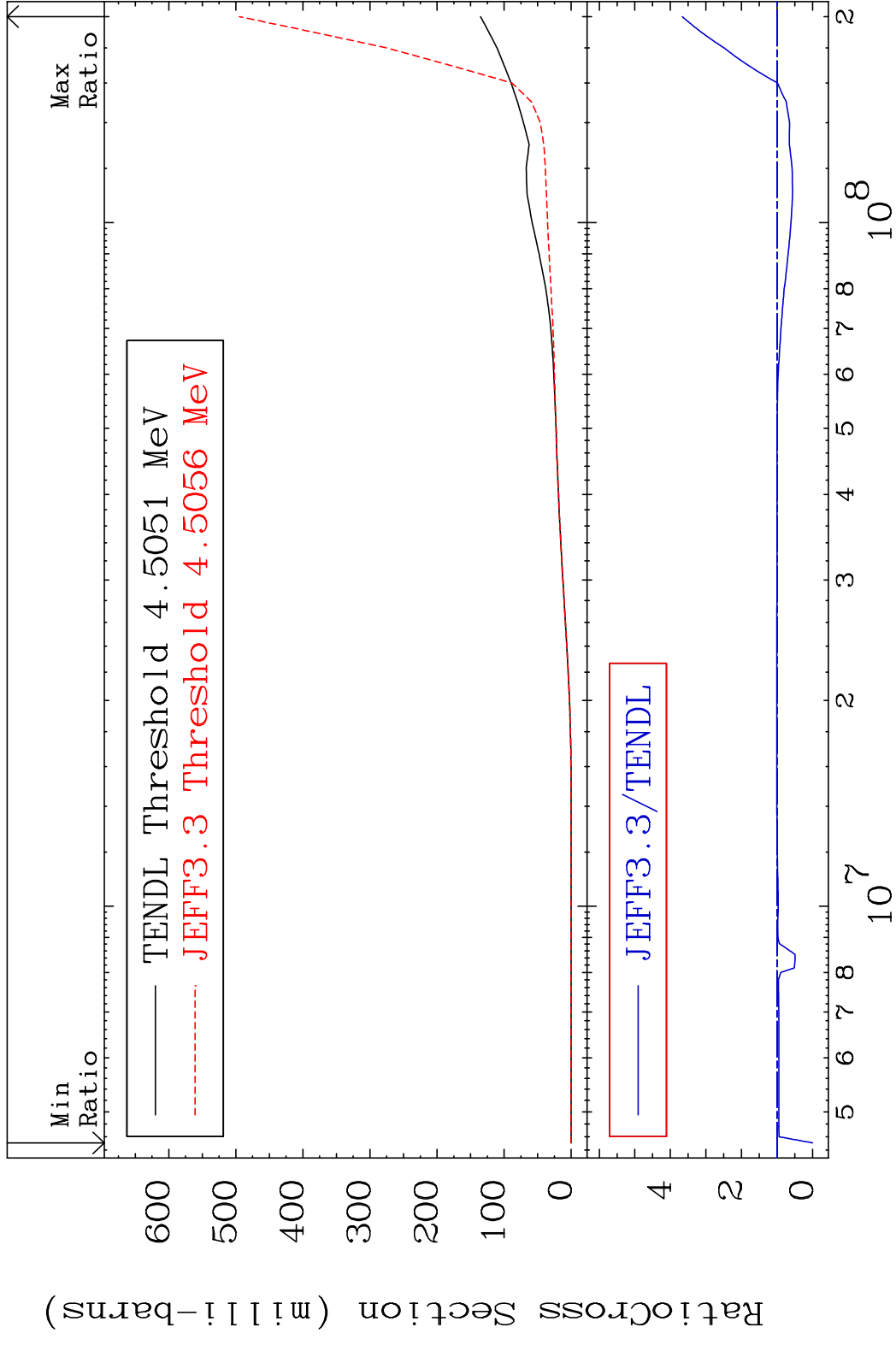


MAT 7228

Tritium Production

72-Hf-175

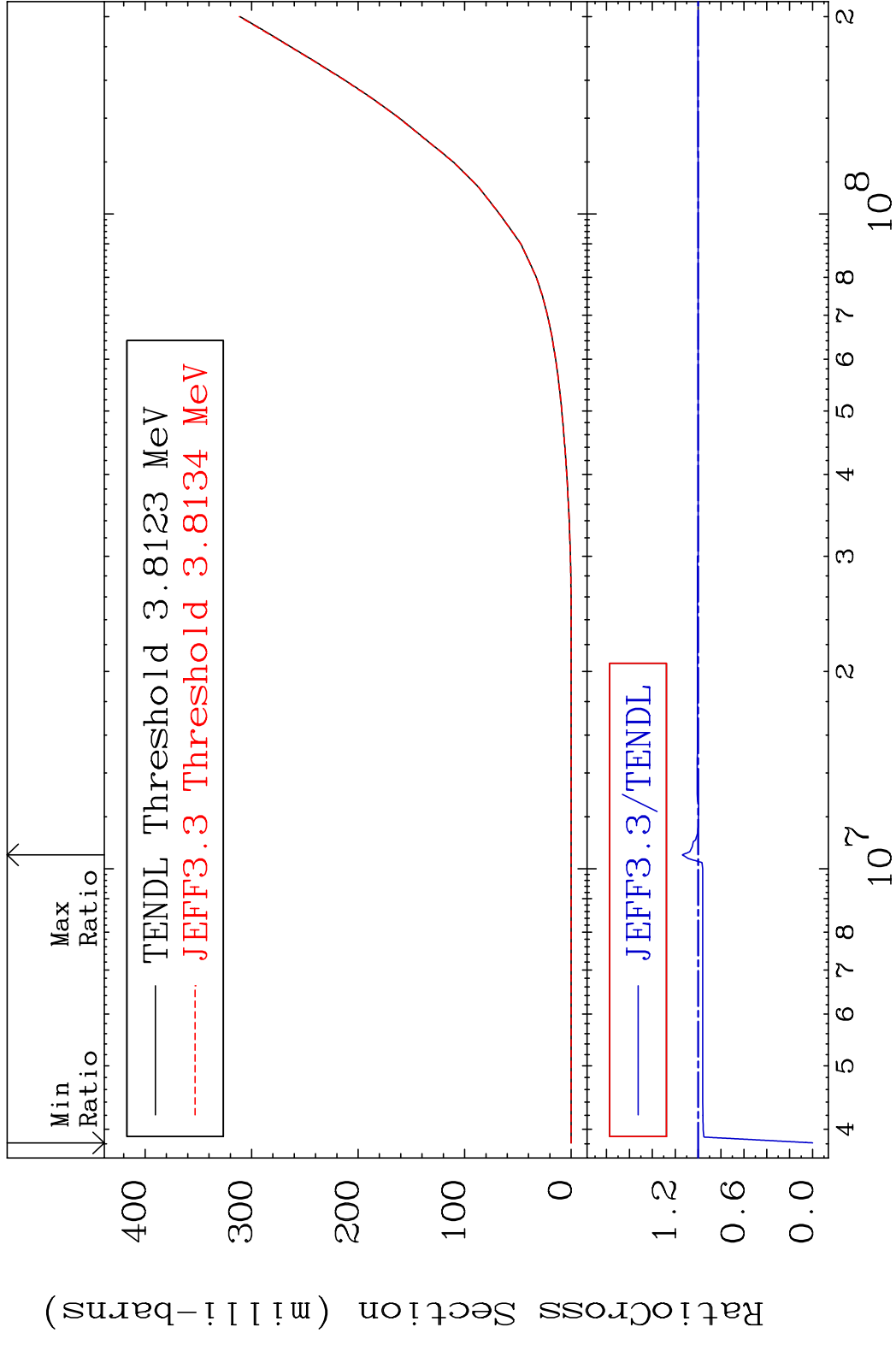
Cross Section -100.0 To 266.3 %



65

Incident Energy (eV)

72-Hf-175

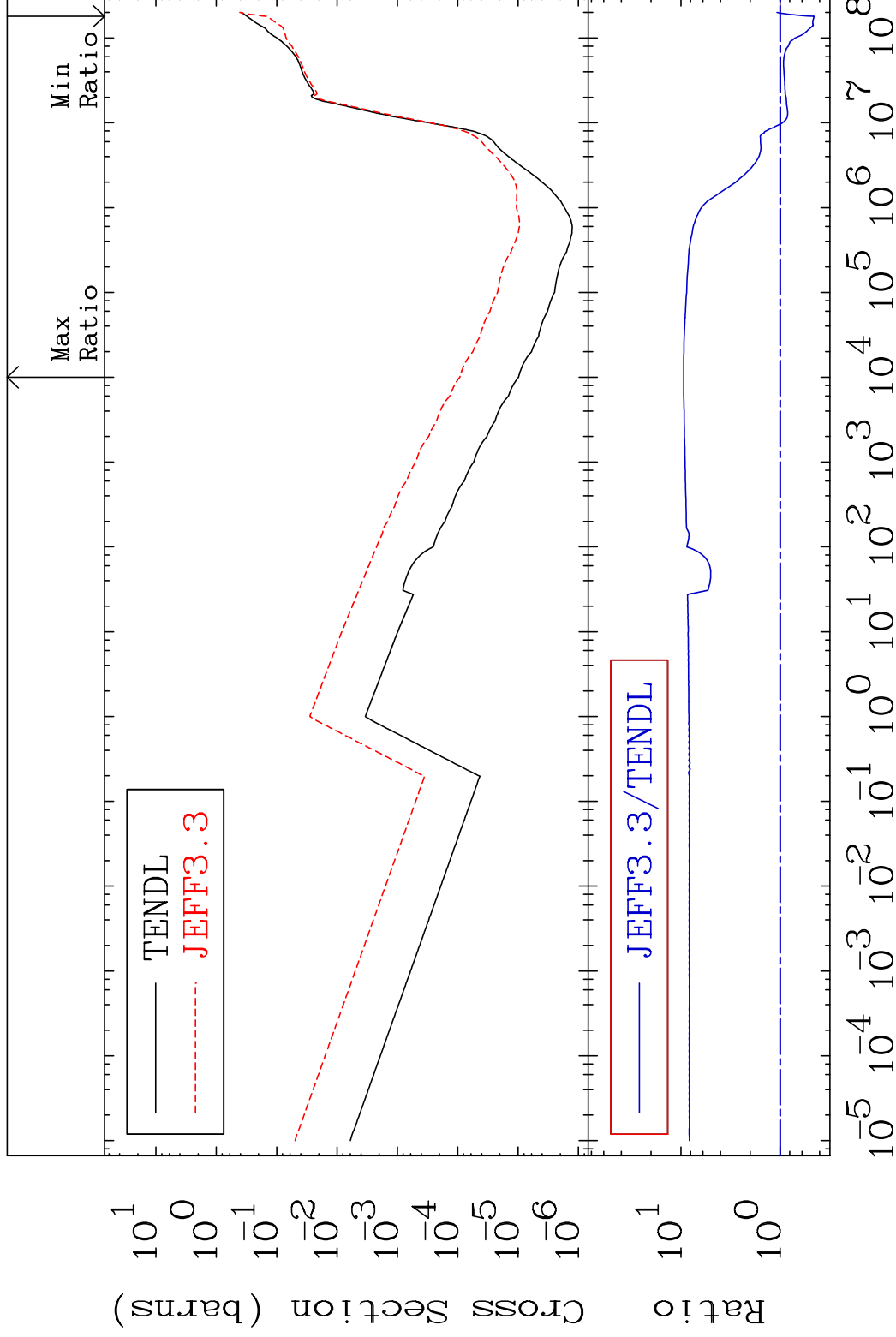


MAT 7228

He-4 Production

72-Hf-175

Cross Section -54.57 To 839.0 %

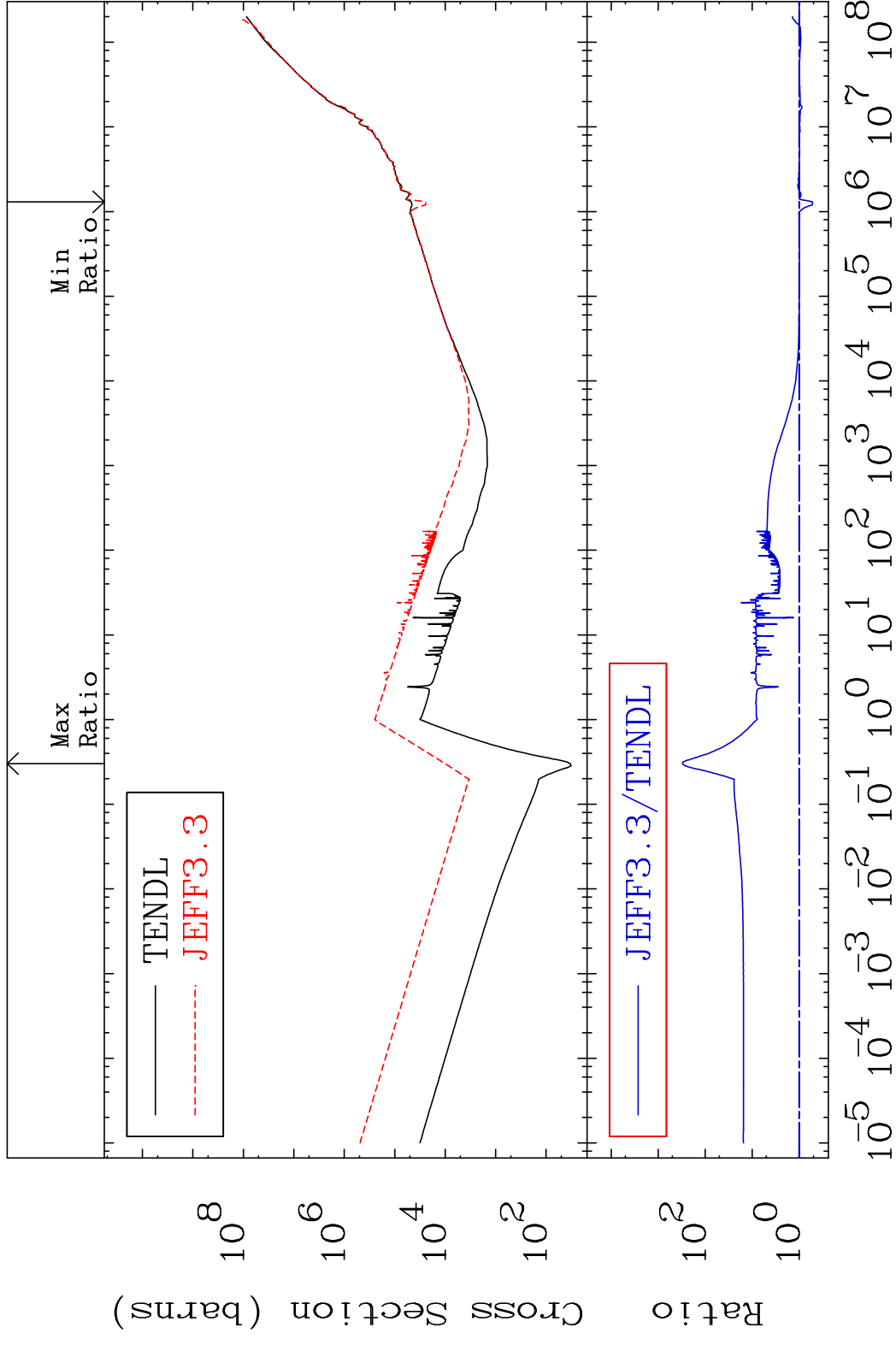


67

Incident Energy (eV)

72-Hf-175

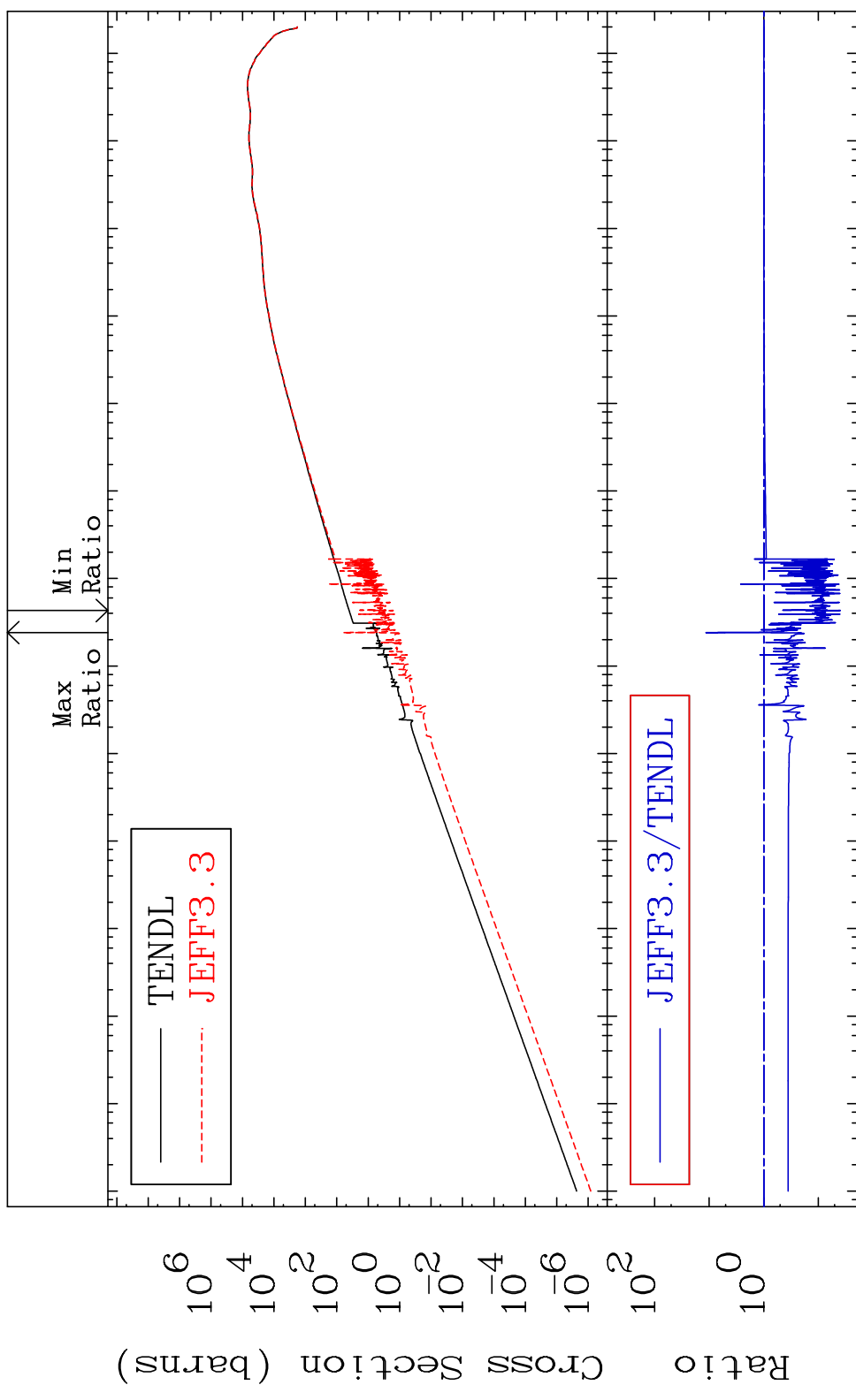
MAT 7228 Kerma total (eV-barns) 72-Hf-175
 Cross Section -47.86 To 9999. %



MAT 7228

Kerma elastic Cross Section -96.08 To 1054. %

72-Hf-175



Cross Section (barns)

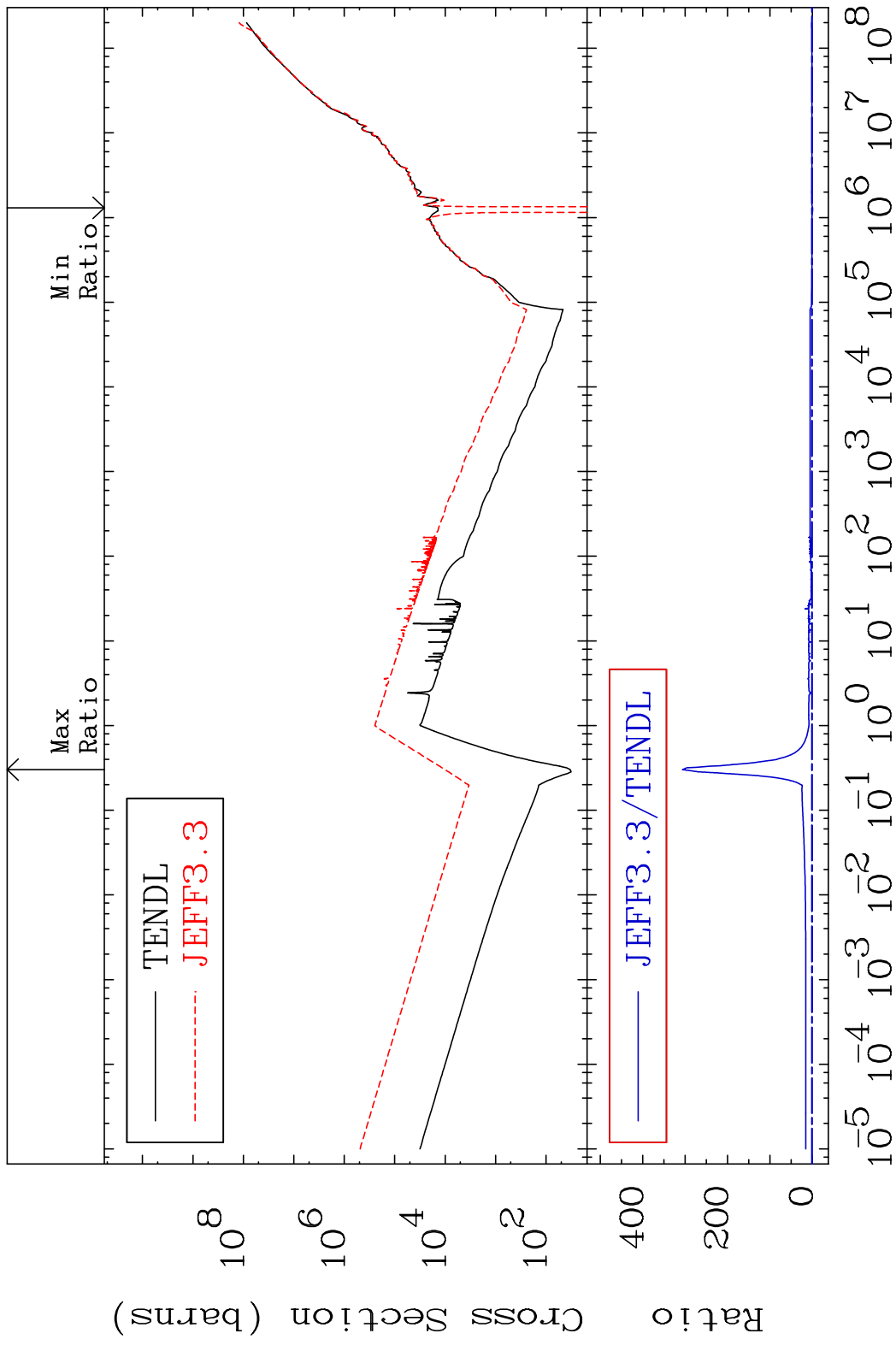
Ratio

69

Incident Energy (eV)

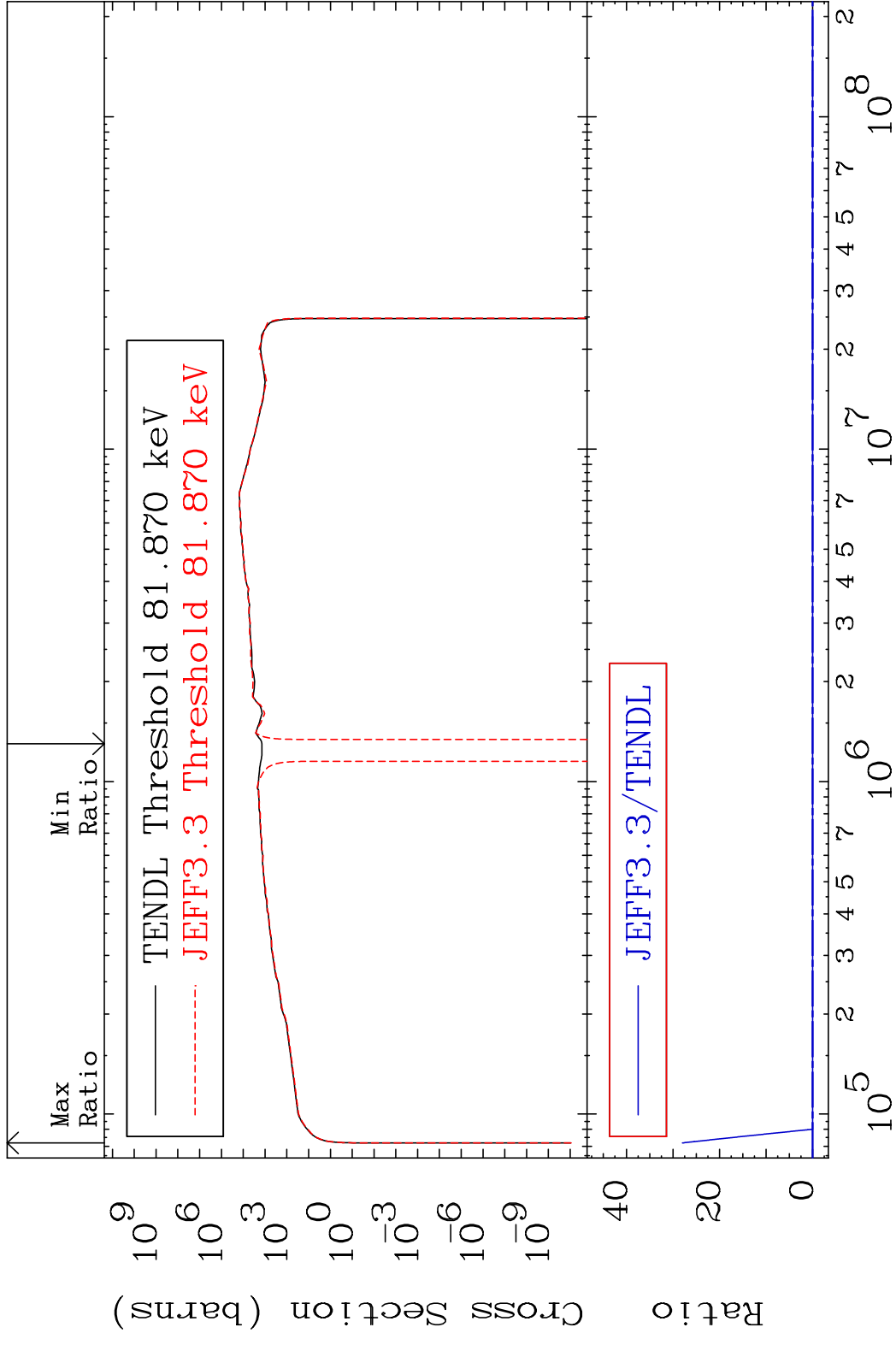
72-Hf-175

MAT 7228 Kerma non-elastic (all but mt2) 72-Hf-175
 Cross Section -157.5 To 9999. %



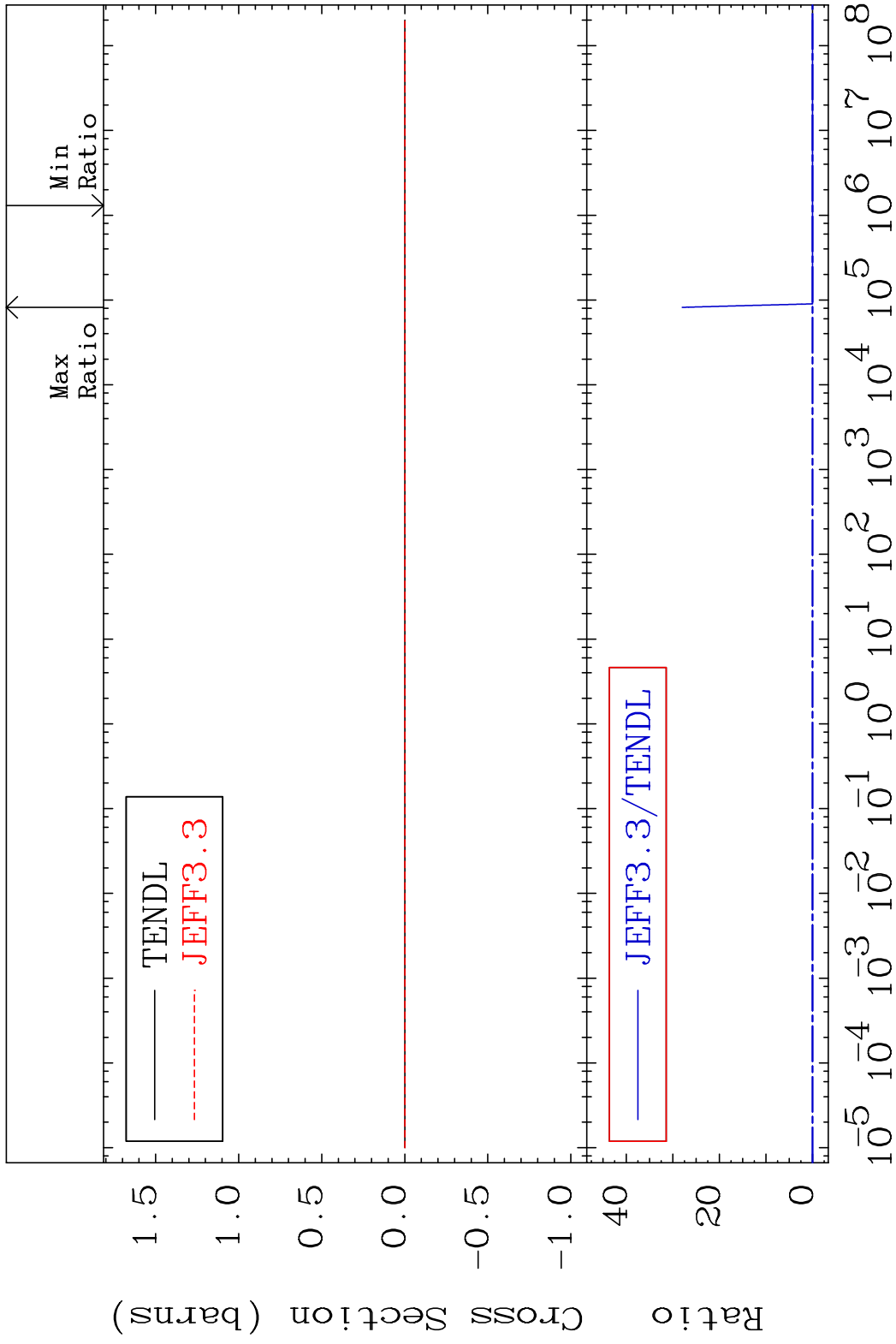
70 Incident Energy (eV) 72-Hf-175

MAT 7228 Kerma inelastic (mt51-91) 72-Hf-175
 Cross Section -158.4 To 9999. %



71 Incident Energy (eV) 72-Hf-175

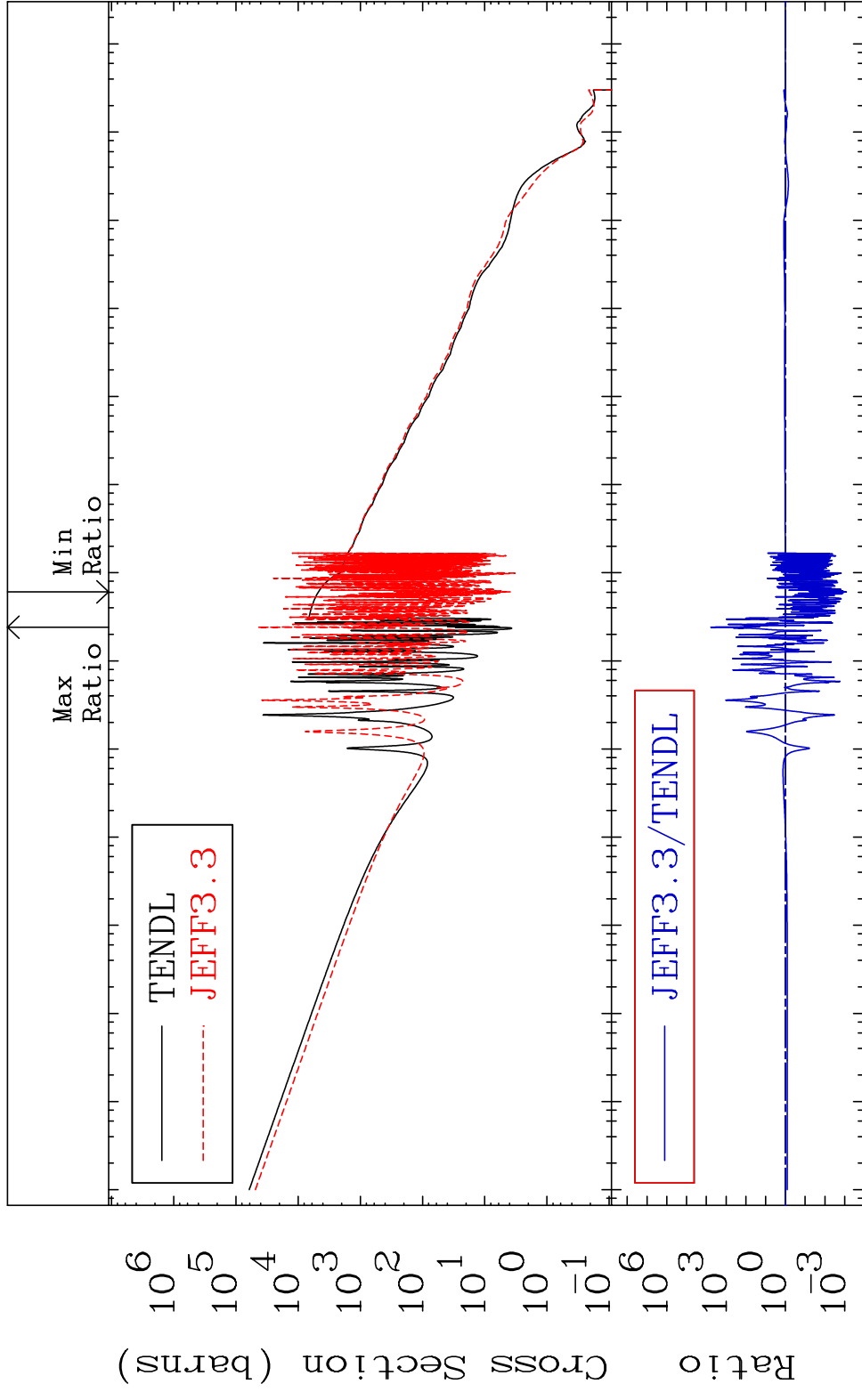
MAT 7228 Kerma fission (mt18 or mt19-20-21-38) 72-Hf-175
 Cross Section -158.4 To 9999. %



MAT 7228

Kerma capture (mt102) 72-Hf-175

Cross Section -99.92 To 9999. %

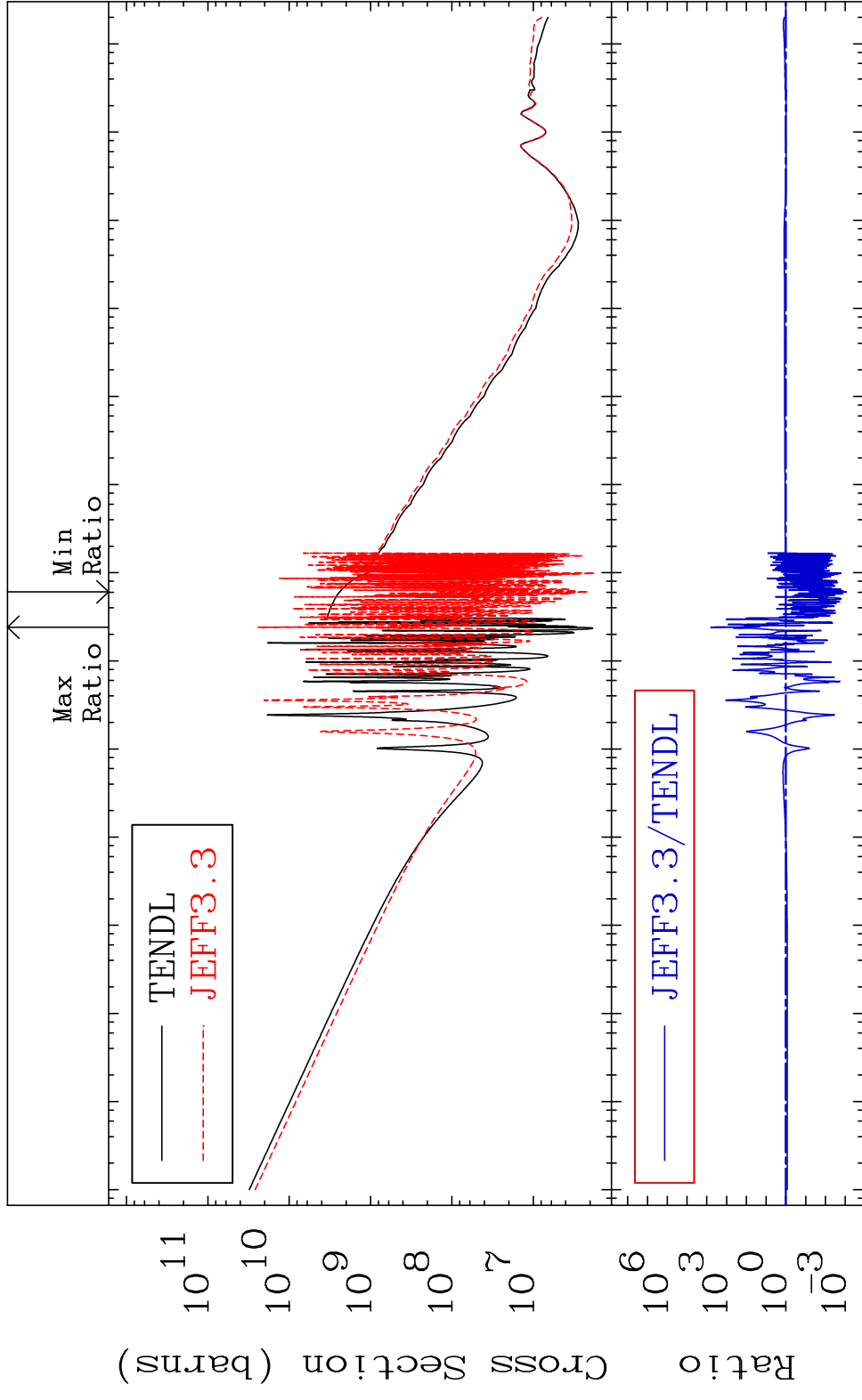


73

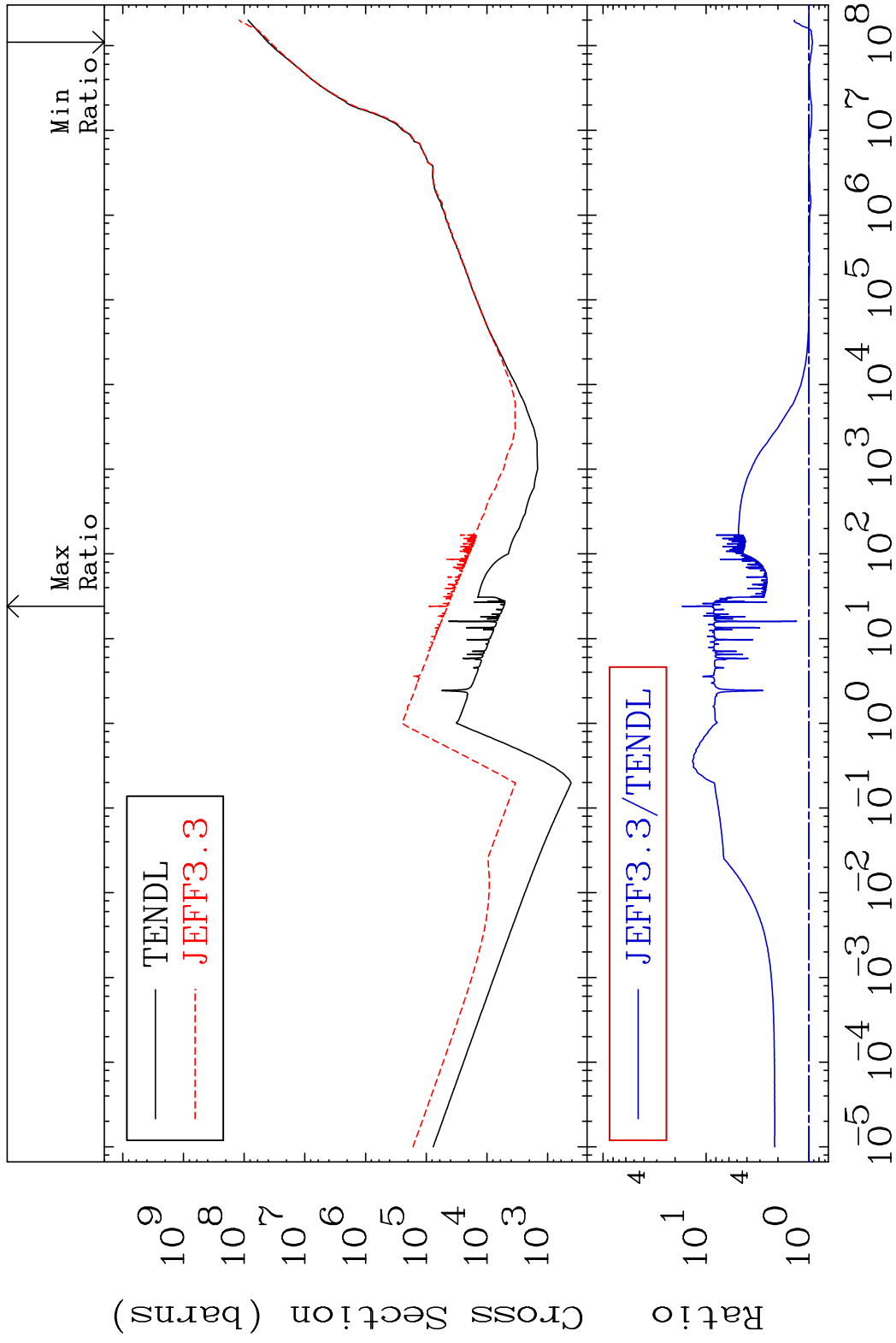
Incident Energy (eV)

72-Hf-175

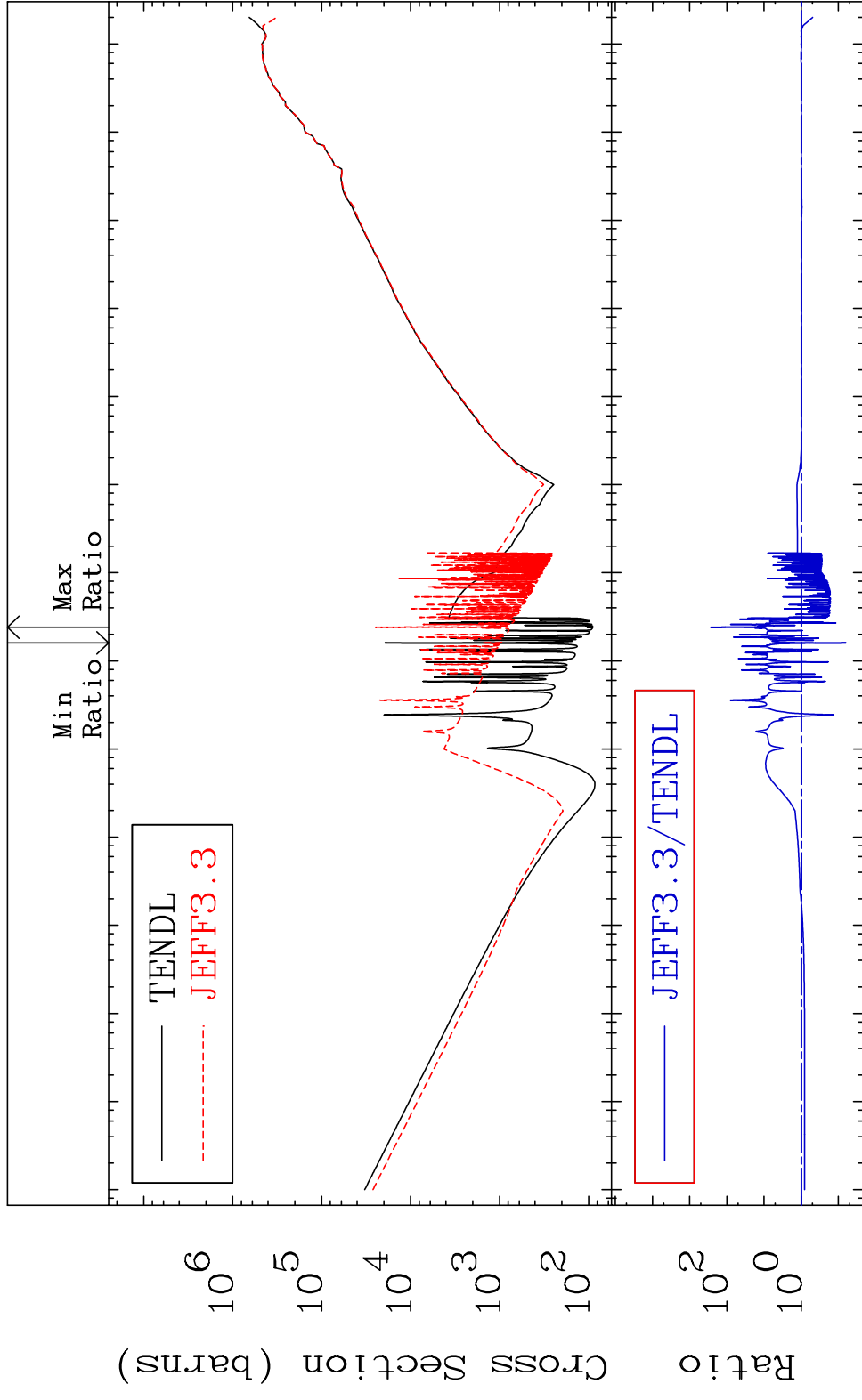
MAT 7228 Total photon (eV-barns) 72-Hf-175
 Cross Section -99.91 To 9999. %



MAT 7228 Total kinematic kerma (high limit) 72-Hf-175
 Cross Section -7.632 To 1598. %



MAT 7228 Dpa total (eV-barns) 72-Hf-175
 Cross Section -93.87 To 9999. %

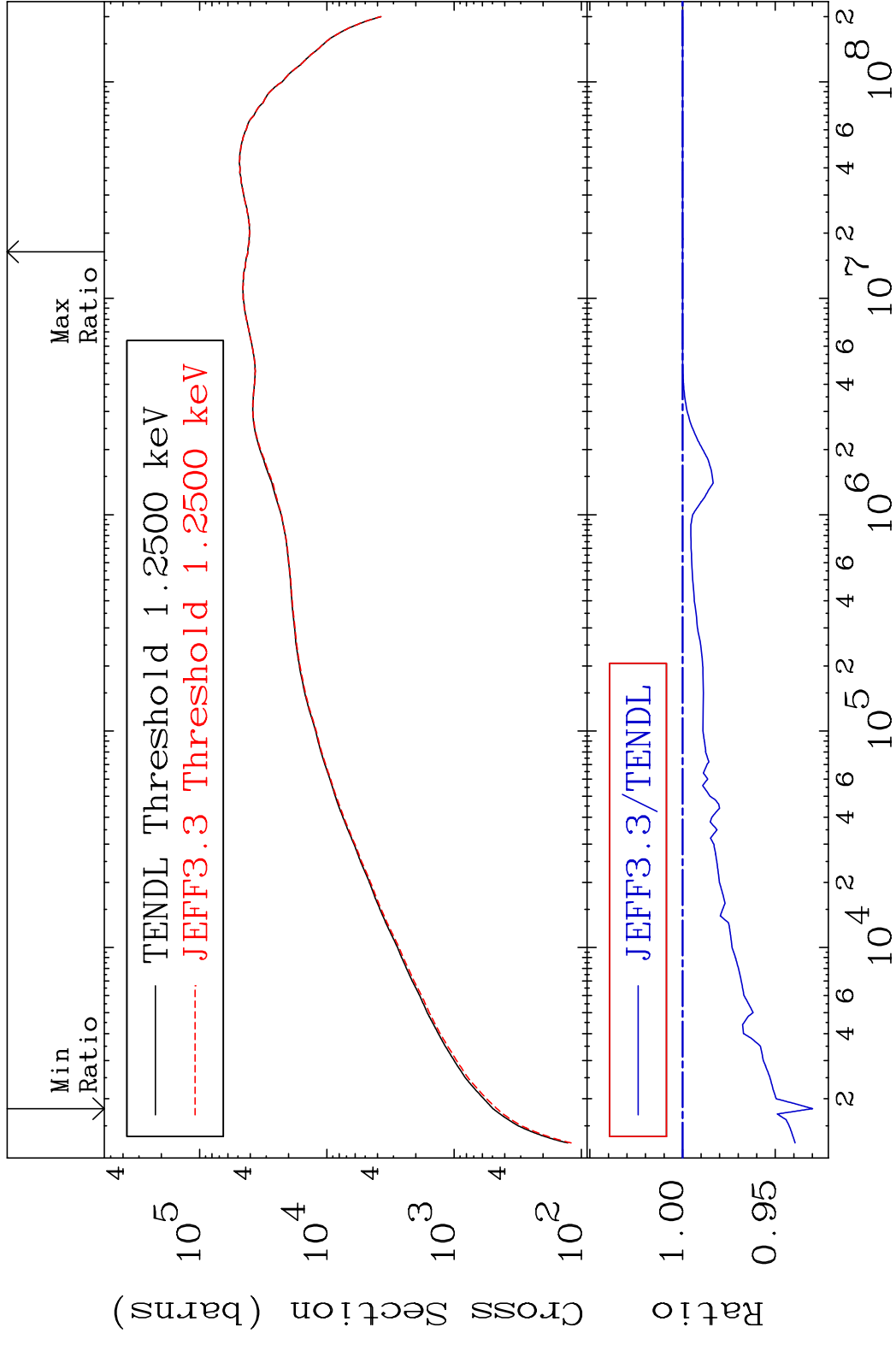


MAT 7228

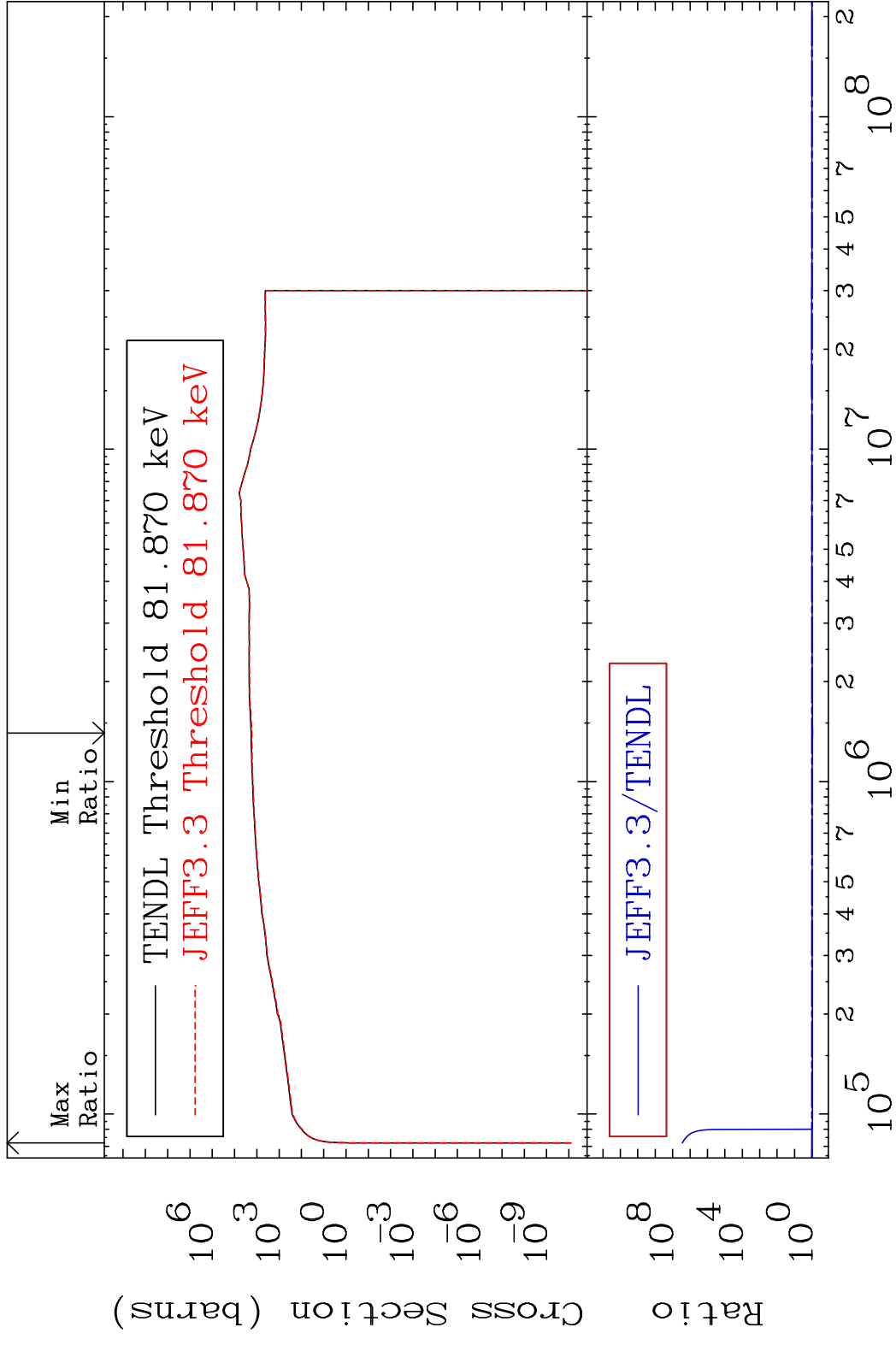
Dpa elastic (mt2)

72-Hf-175

Cross Section -7.010 To 0.012 %

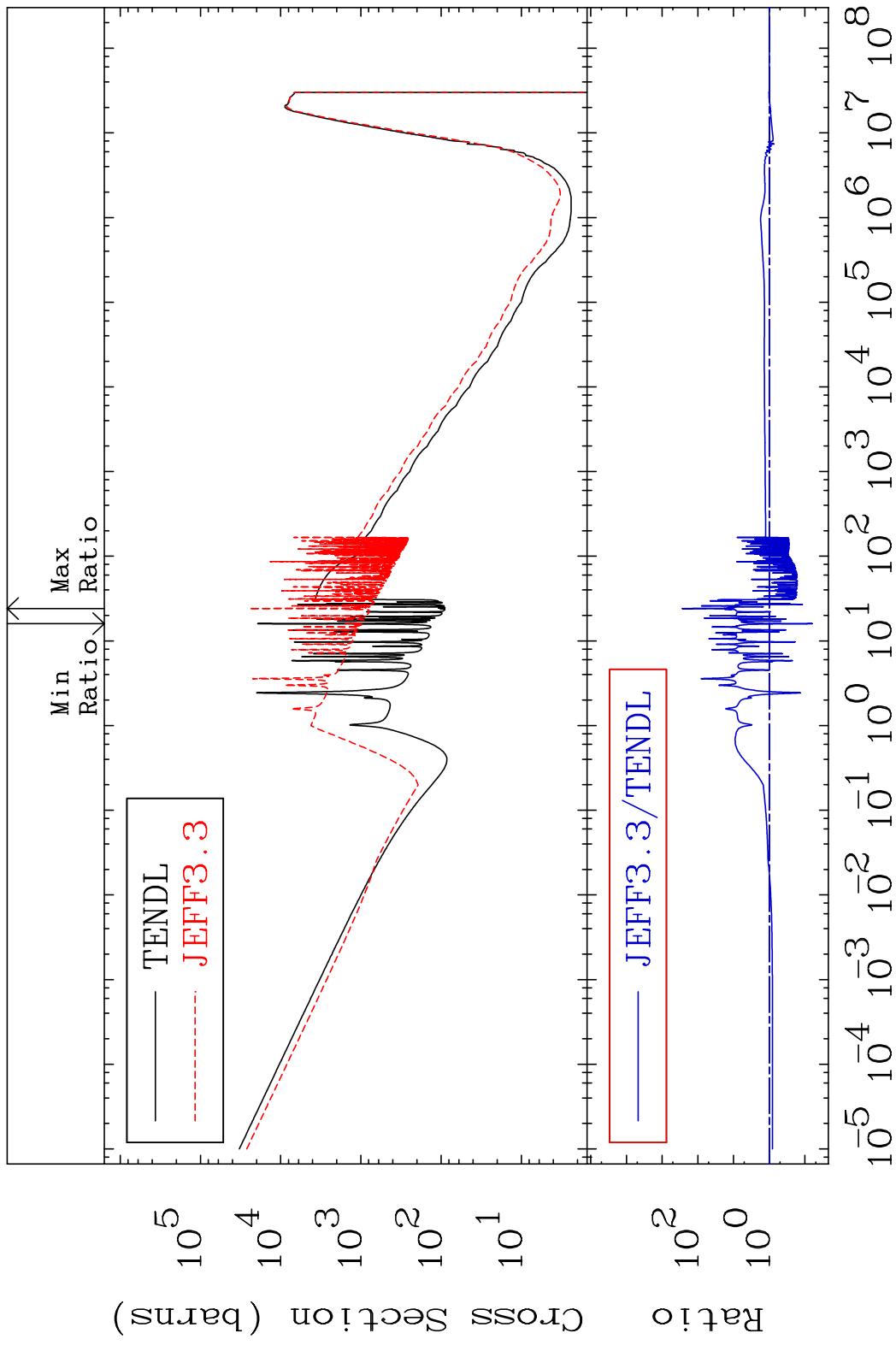


MAT 7228 Dpa inelastic (mt51-91) 72-Hf-175
 Cross Section -7.851 To 9999. %

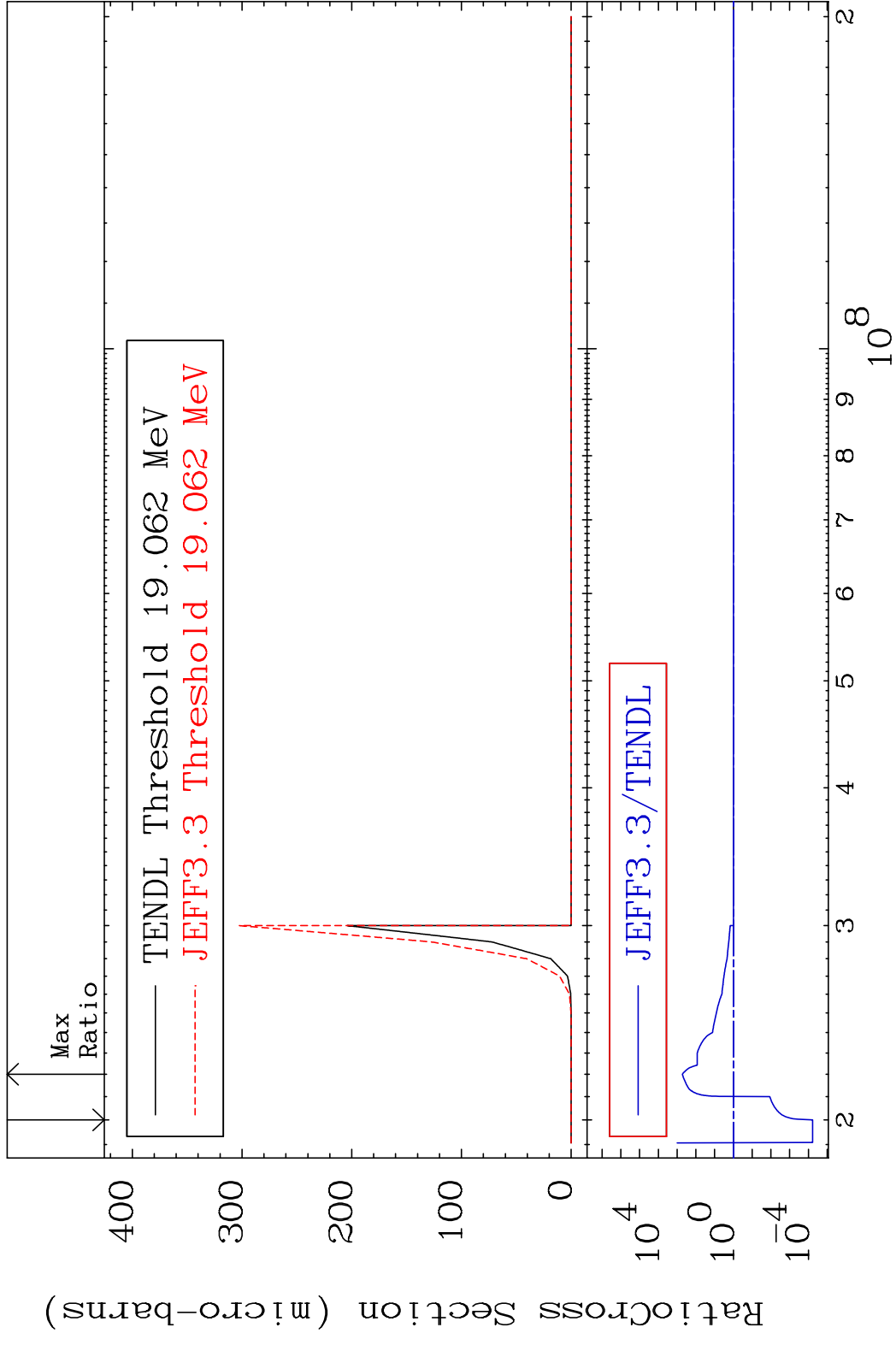


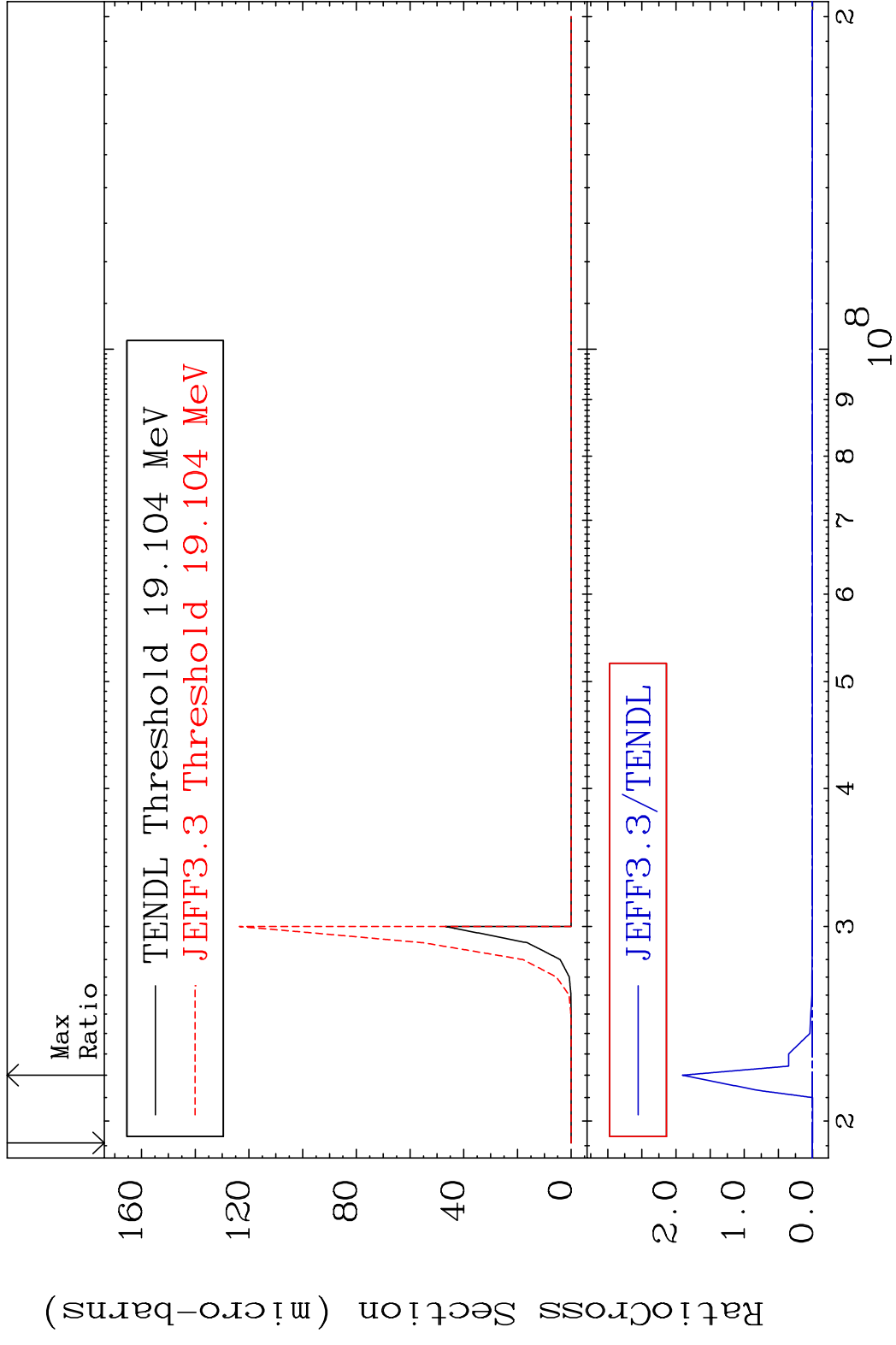
78 Incident Energy (eV) 72-Hf-175

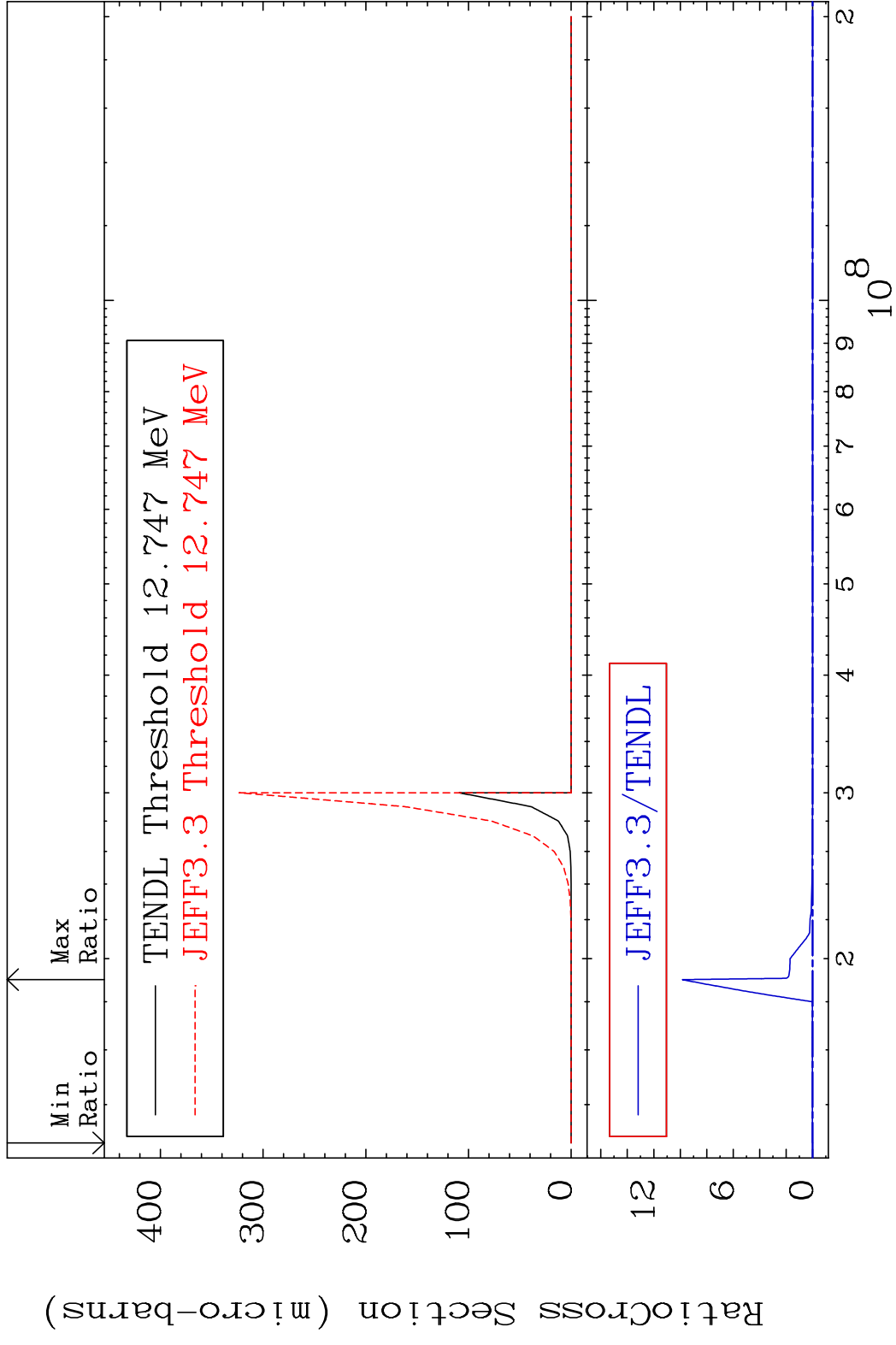
MAT 7228 Dpa disappearance (mt102 -120) 72-Hf-175
 Cross Section -93.87 To 9999. %

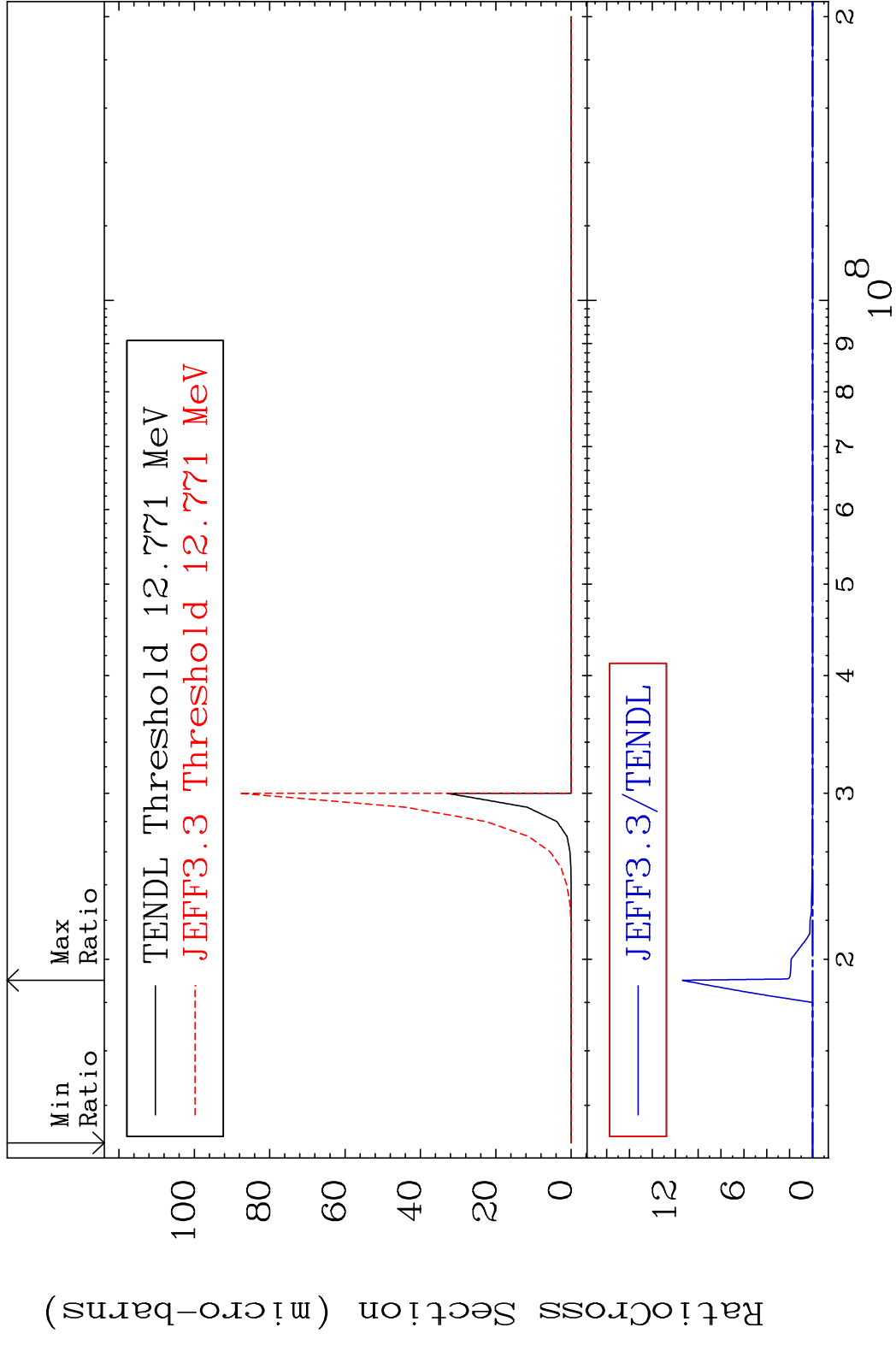


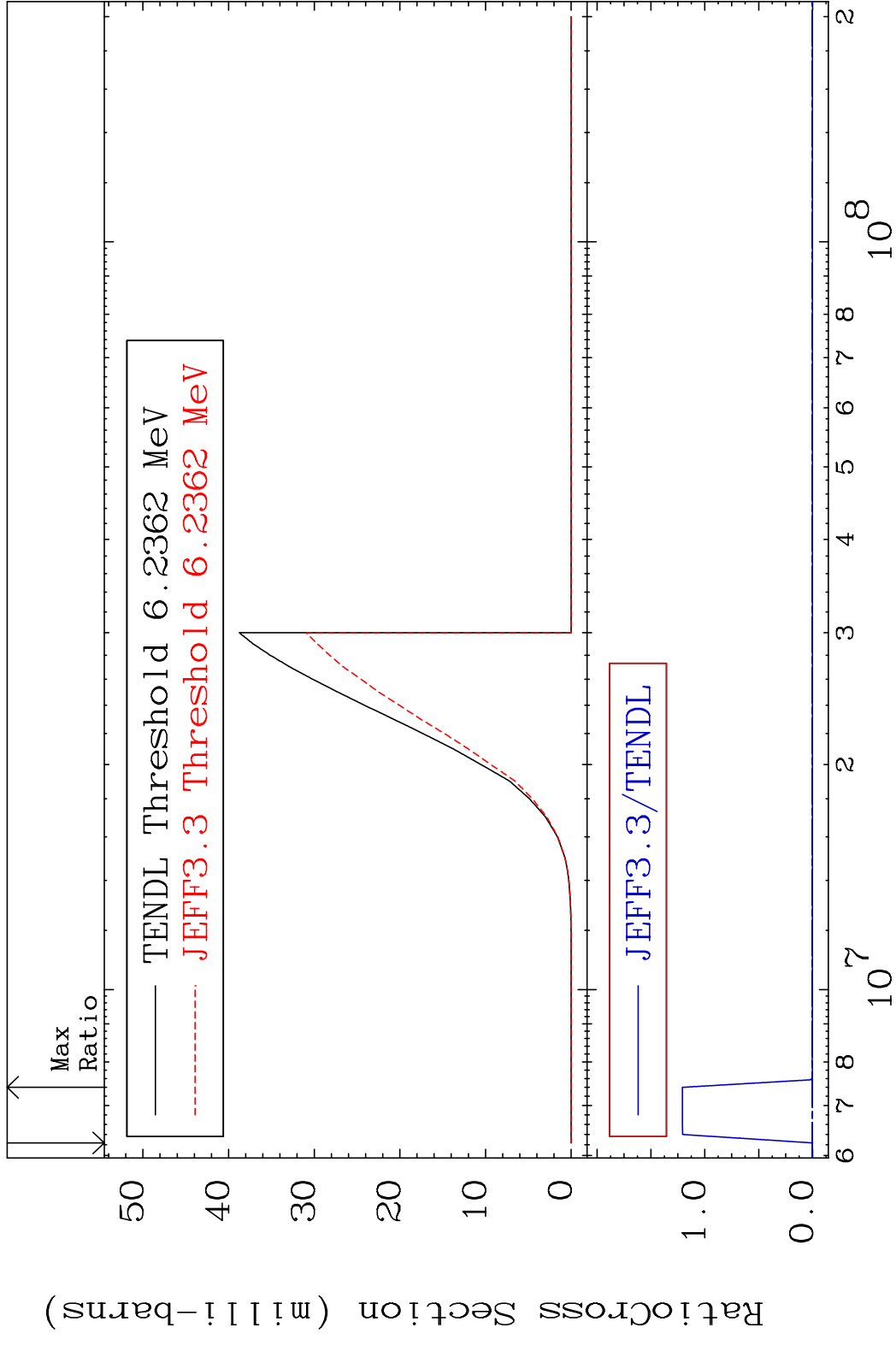
MAT 7228 (n,2n) d:71-Lu-172g 72-Hf-175
 Radionuclide Production Cross Section 98.991 dth 9999. %

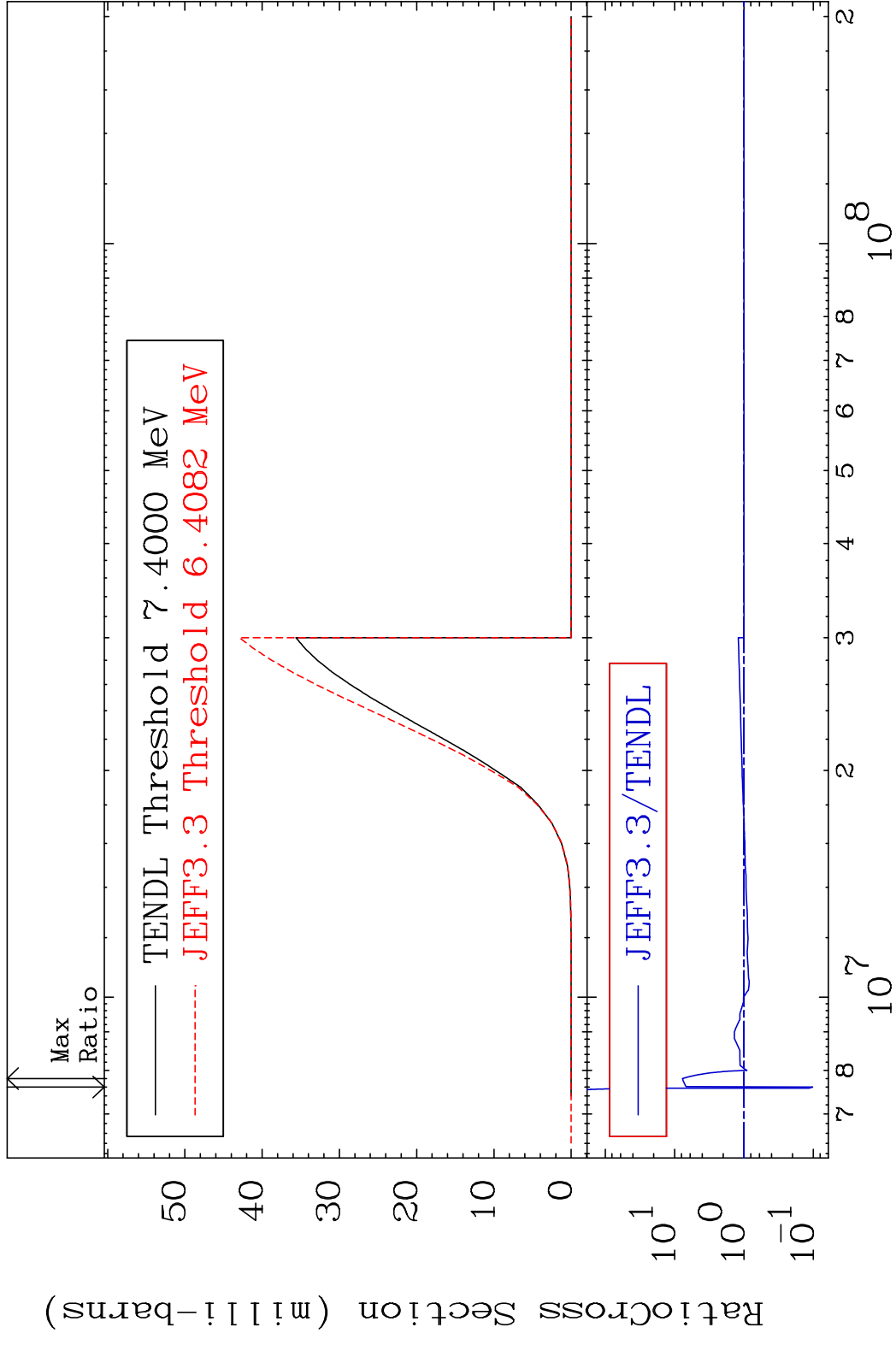




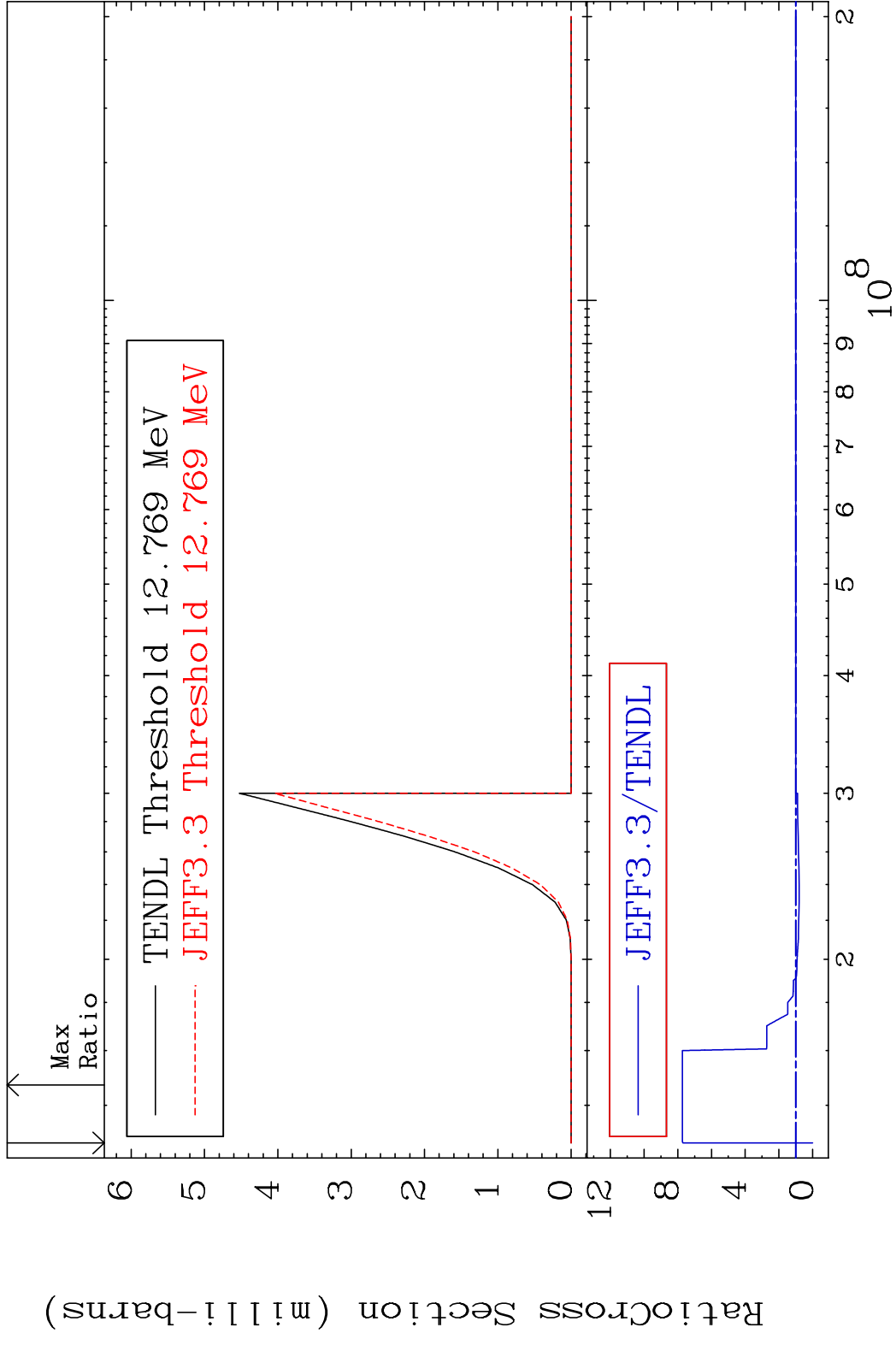


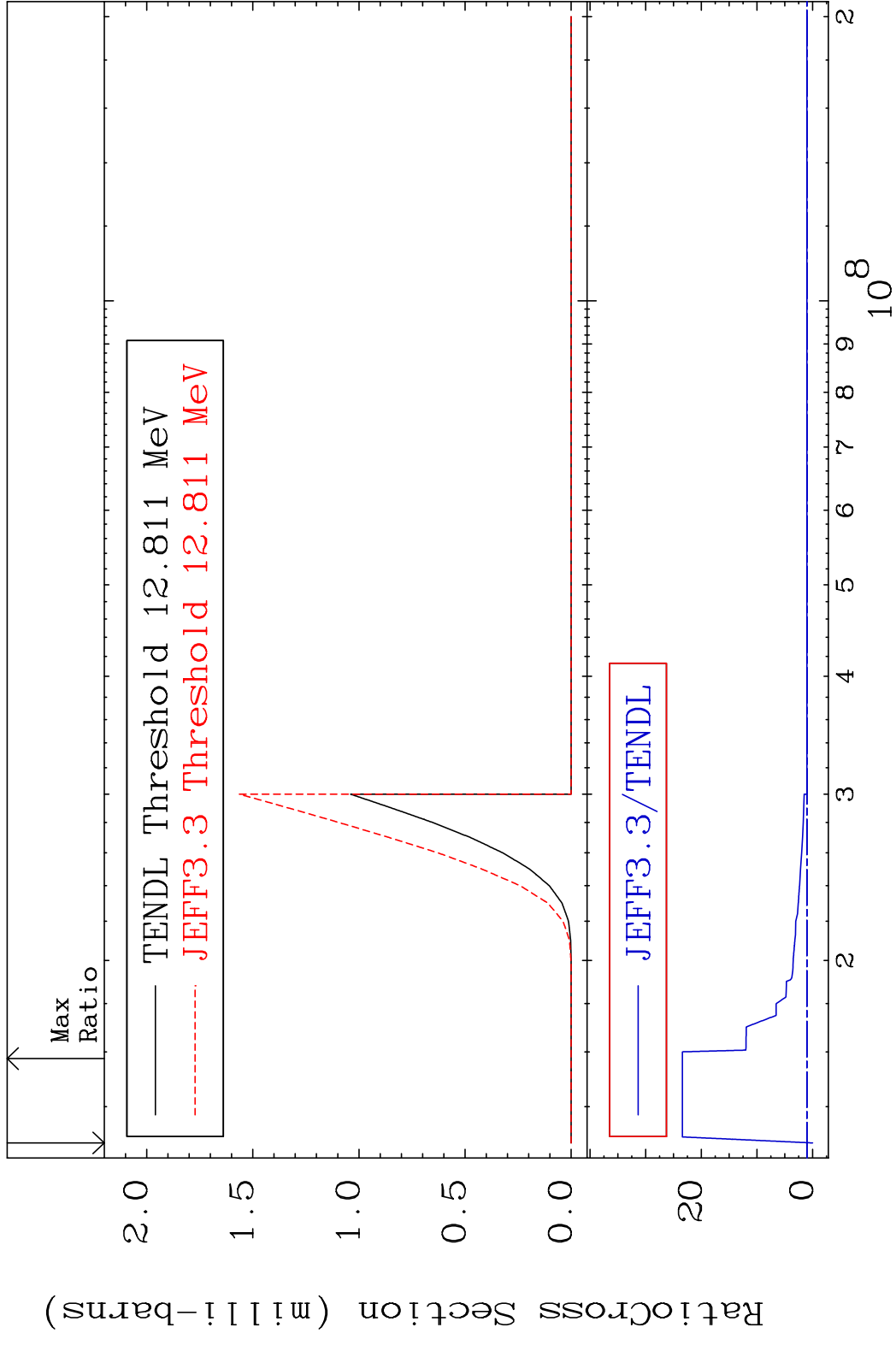


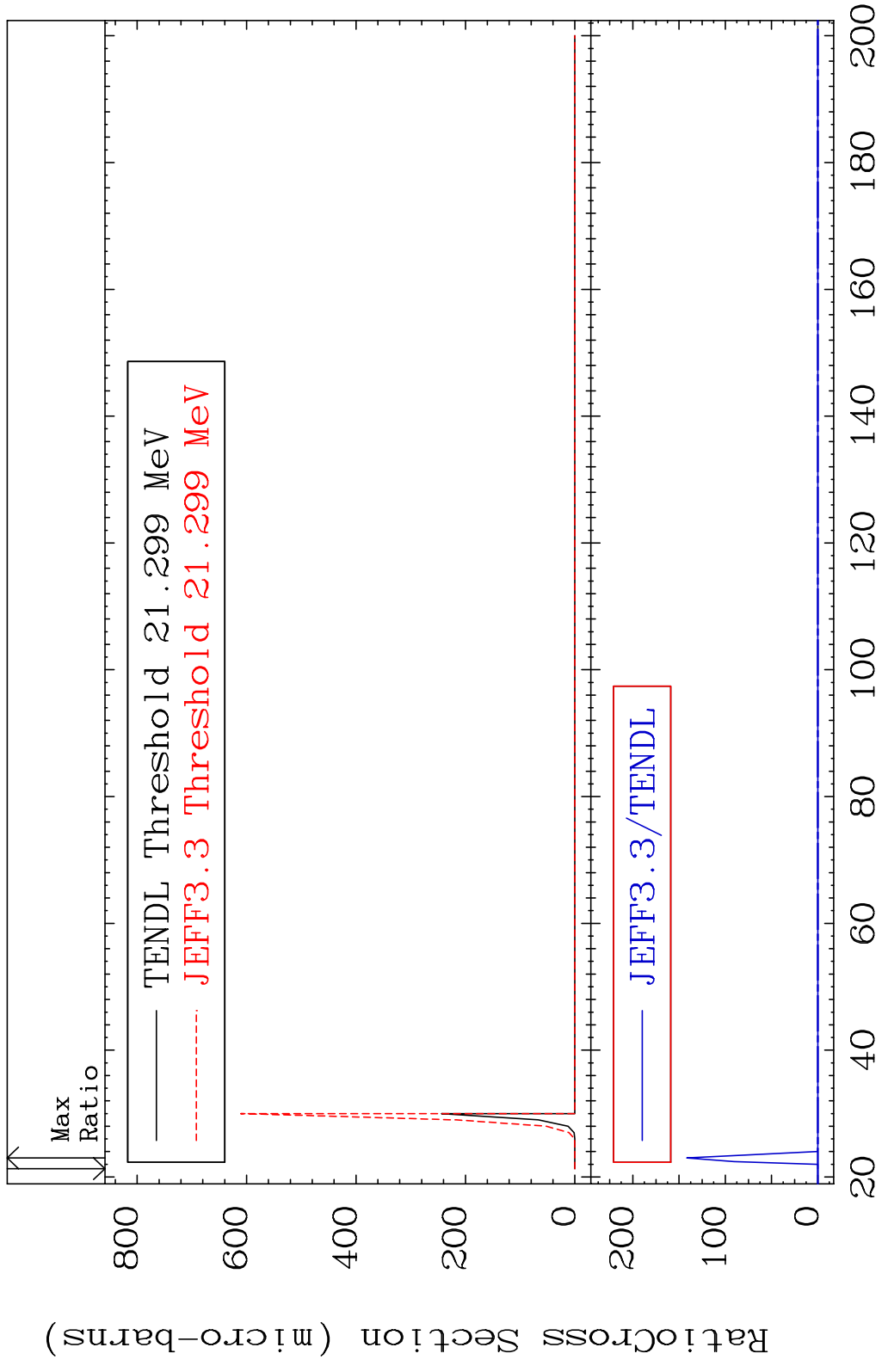


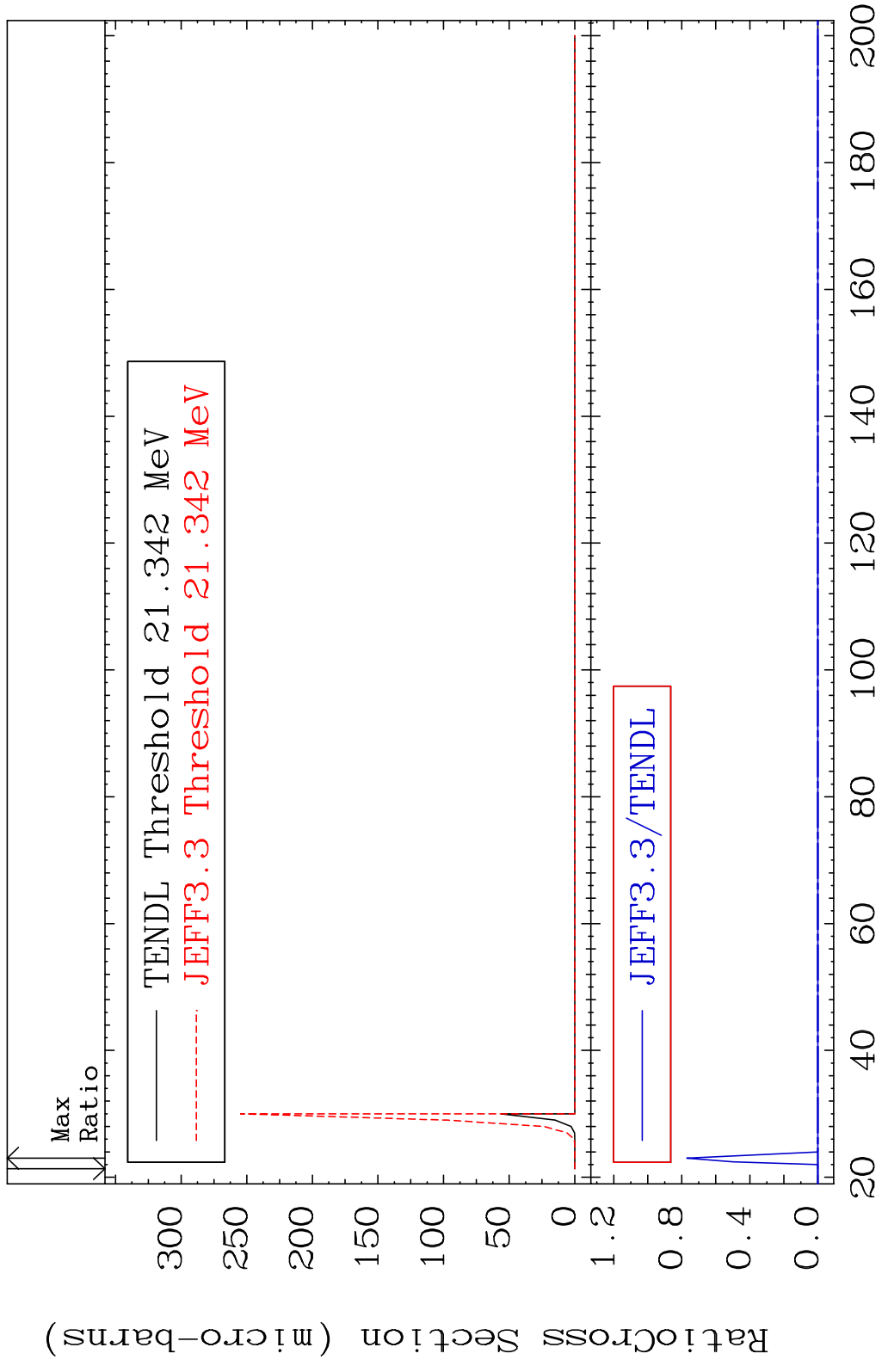


MAT 7228 (n, n') t:71-Lu-172g 72-Hf-175
 Radionuclide Production Cross Section 180.0 dno 673.0 %









MAT 7228 (n,d):71-Lu-174g 72-Hf-175
 Radionuclide Production Cross Section 180.01 dth 12.06 %

