

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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Press Mouse Button to Start

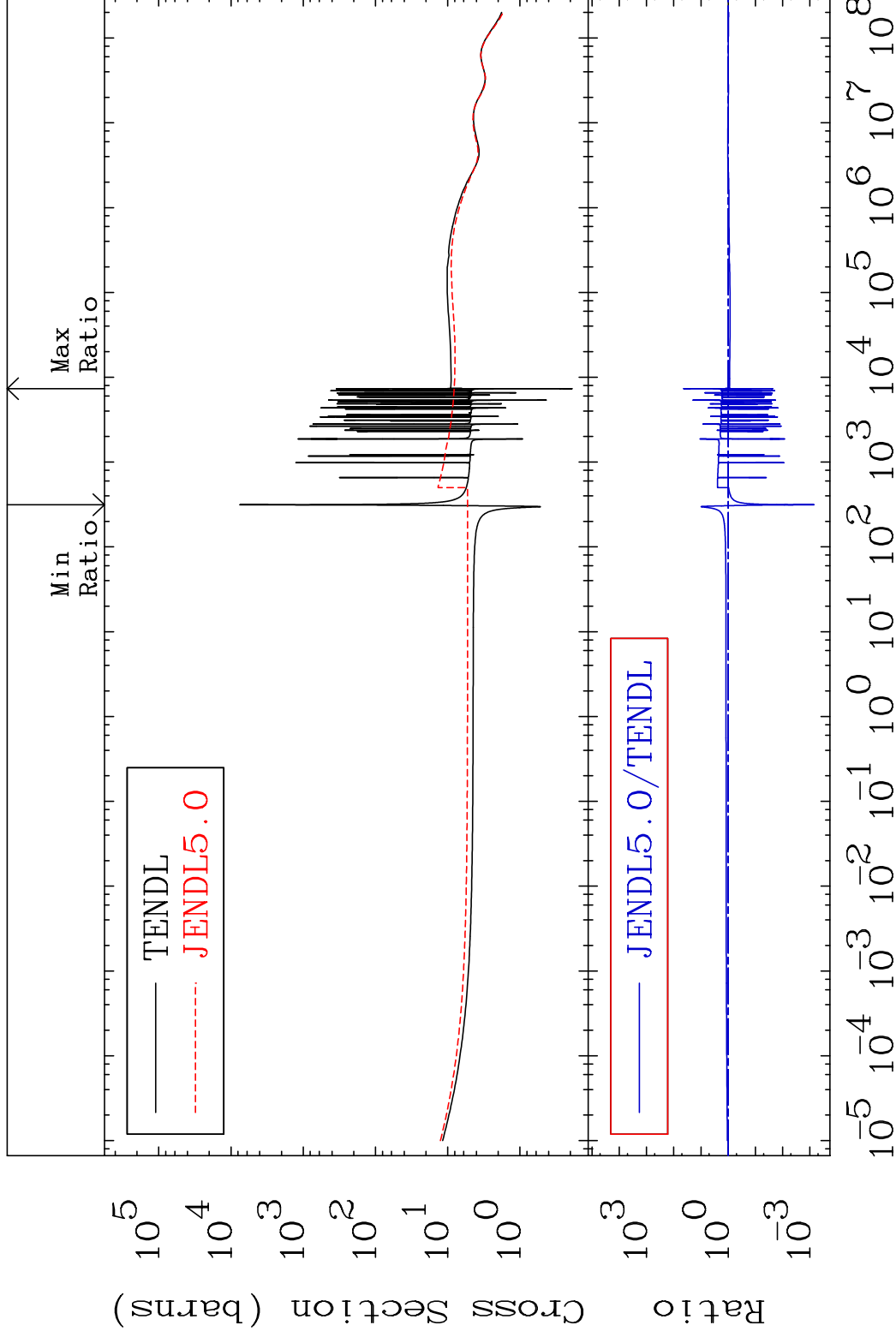
MAT 4455

Total

44-Ru-106

Cross Section

-99.93 To 4211. %



1

Incident Energy (eV)

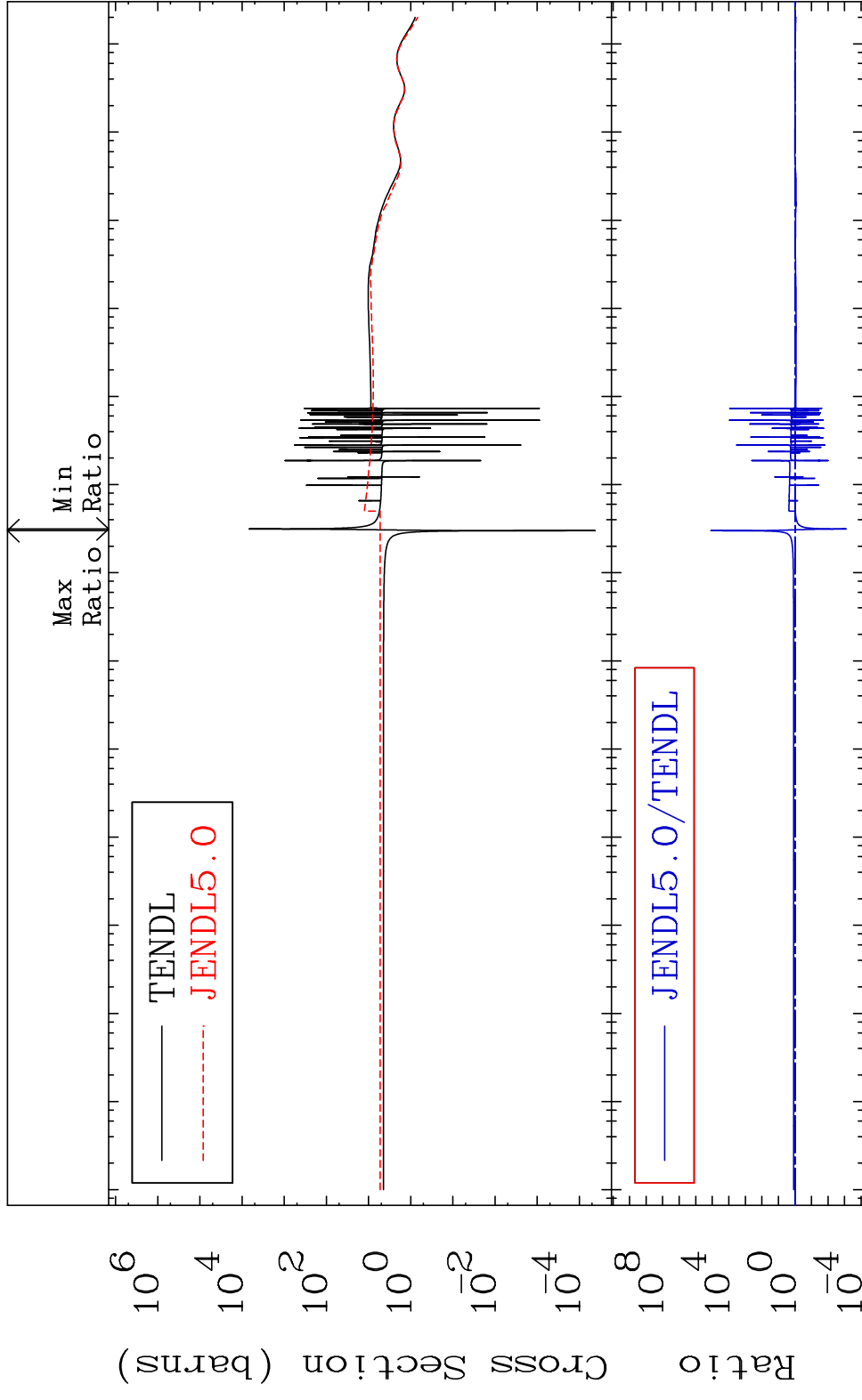
44-Ru-106

MAT 4455

Elastic

44-Ru-106

Cross Section -99.92 To 9999. %



Ratio
Cross Section (barns)
10⁶
10⁴
10²
10⁰
10⁻²
10⁻⁴
10⁸
10⁴
10⁰
10⁻⁴
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

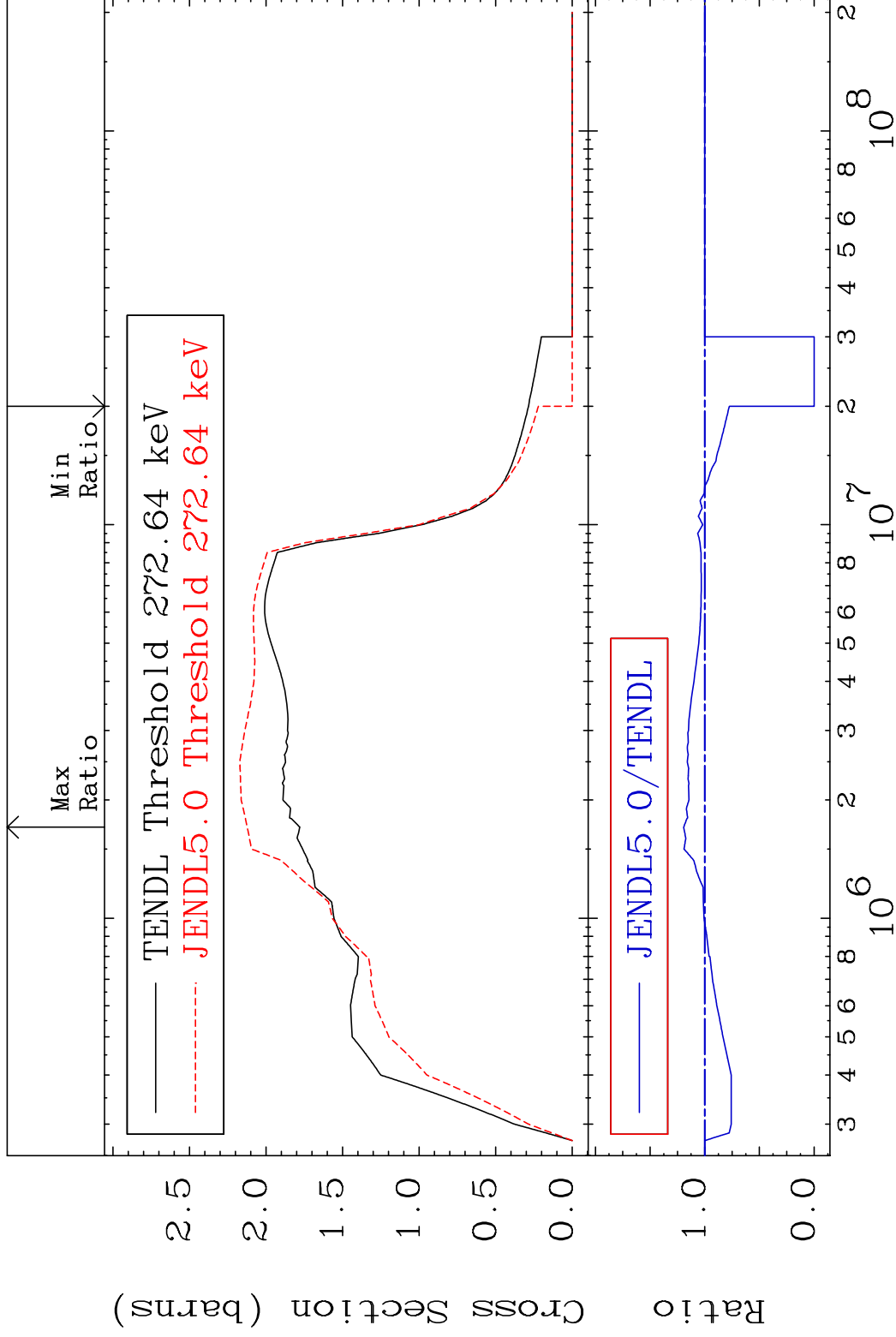
44-Ru-106

MAT 4455

Inelastic

44-Ru-106

Cross Section -100.0 To 19.29 %

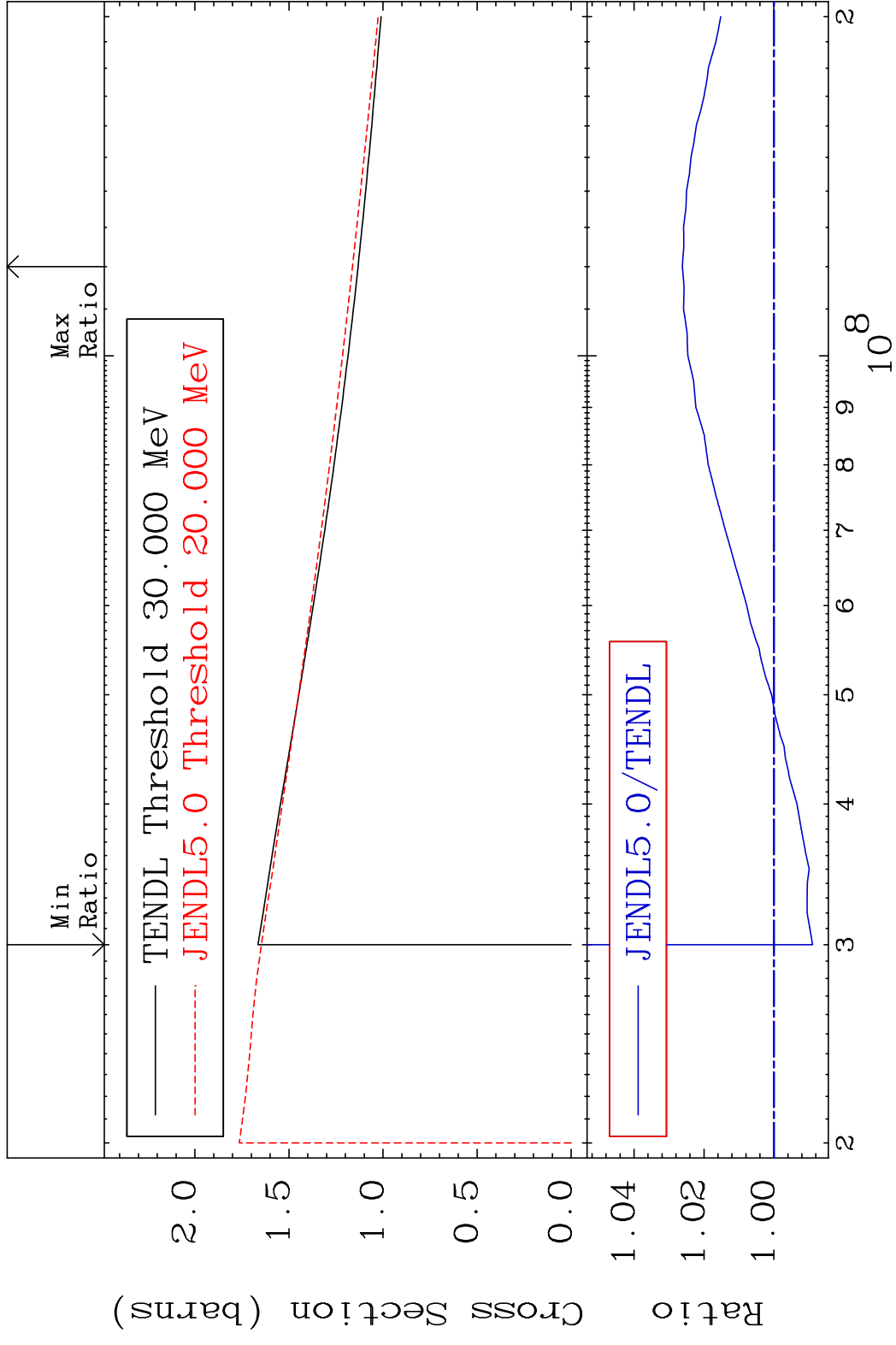


3

Incident Energy (eV)

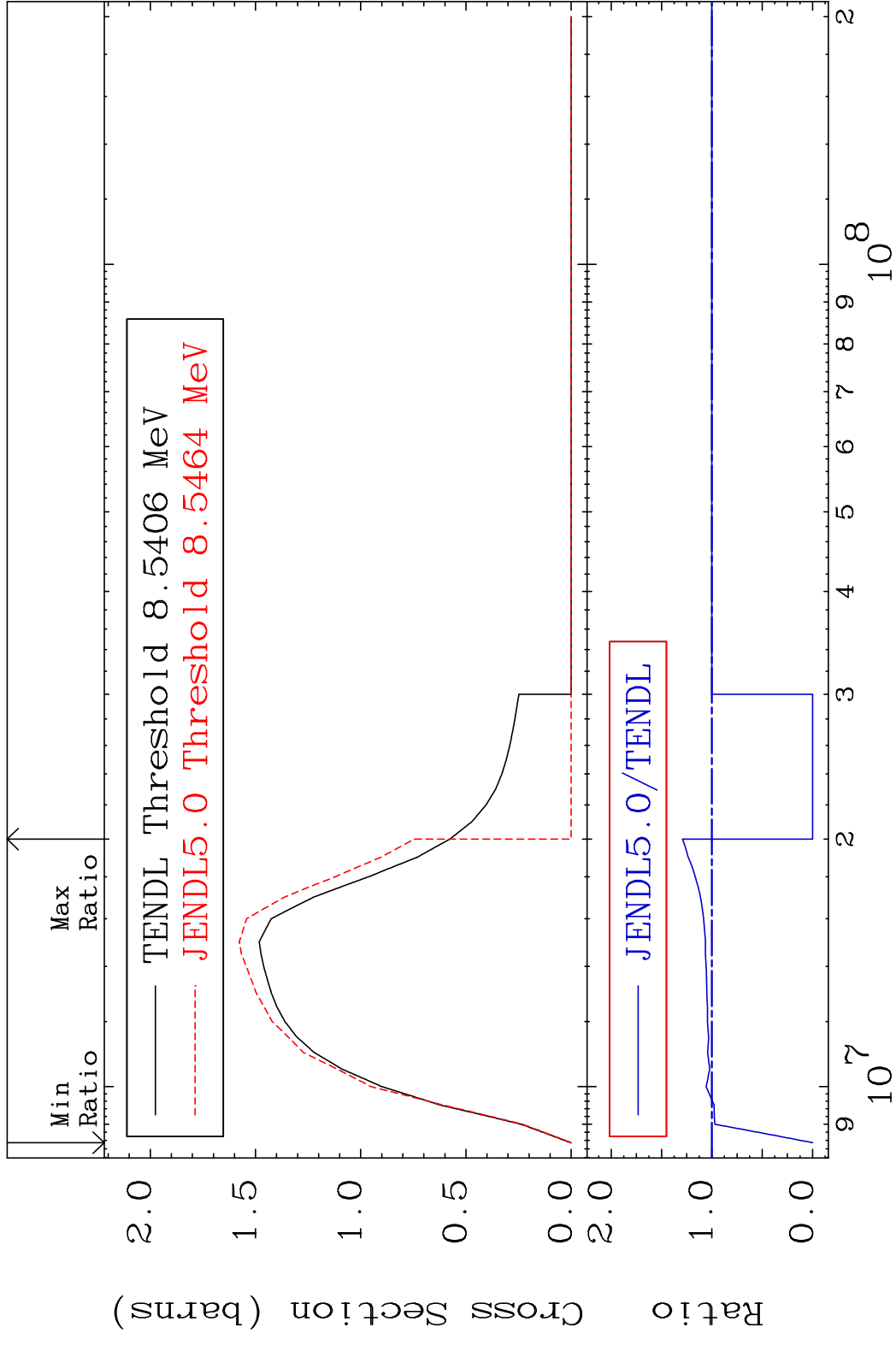
44-Ru-106

MAT 4455 (n, remainder) 44-Ru-106
 Cross Section -1.105 To 2.619 %



4 Incident Energy (eV) 44-Ru-106

MAT 4455 (n,2n) 44-Ru-106
 Cross Section -100.0 To 29.32 %



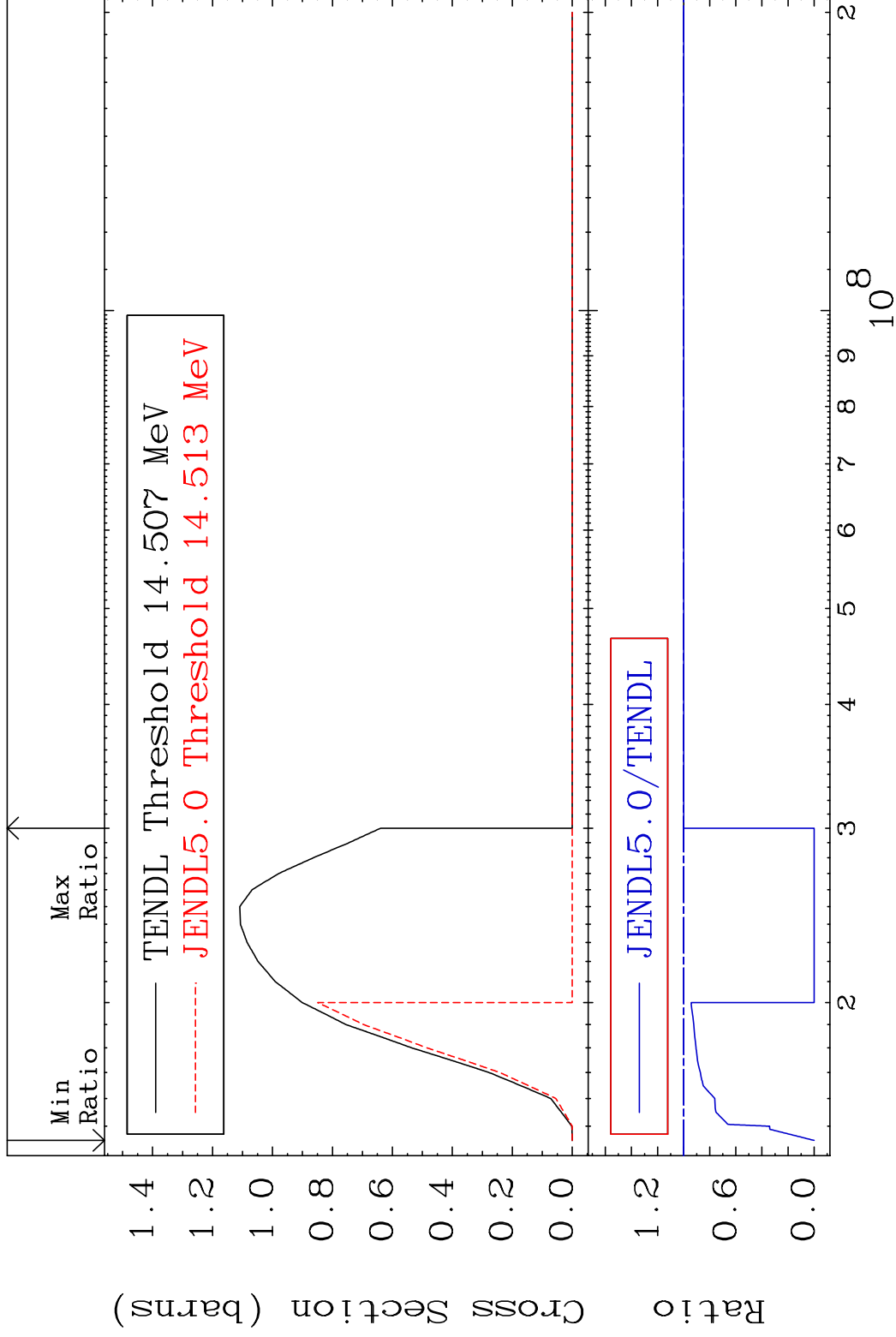
5 Incident Energy (eV) 44-Ru-106

MAT 4455

(n,3n)

44-Ru-106

Cross Section -100.0 To 0.000 %

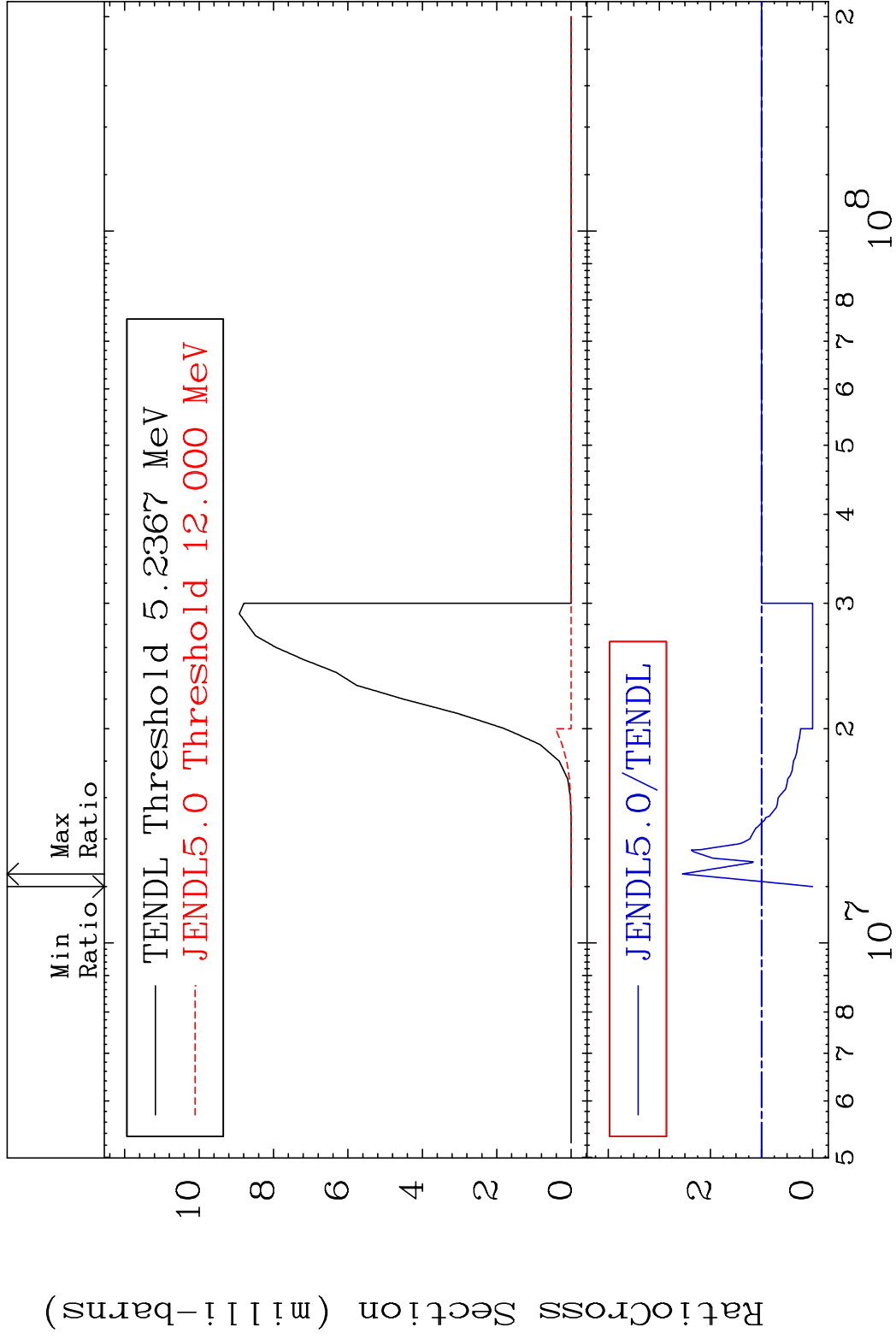


MAT 4455

(n, n') α

44-Ru-106

Cross Section -100.0 To 154.9 %

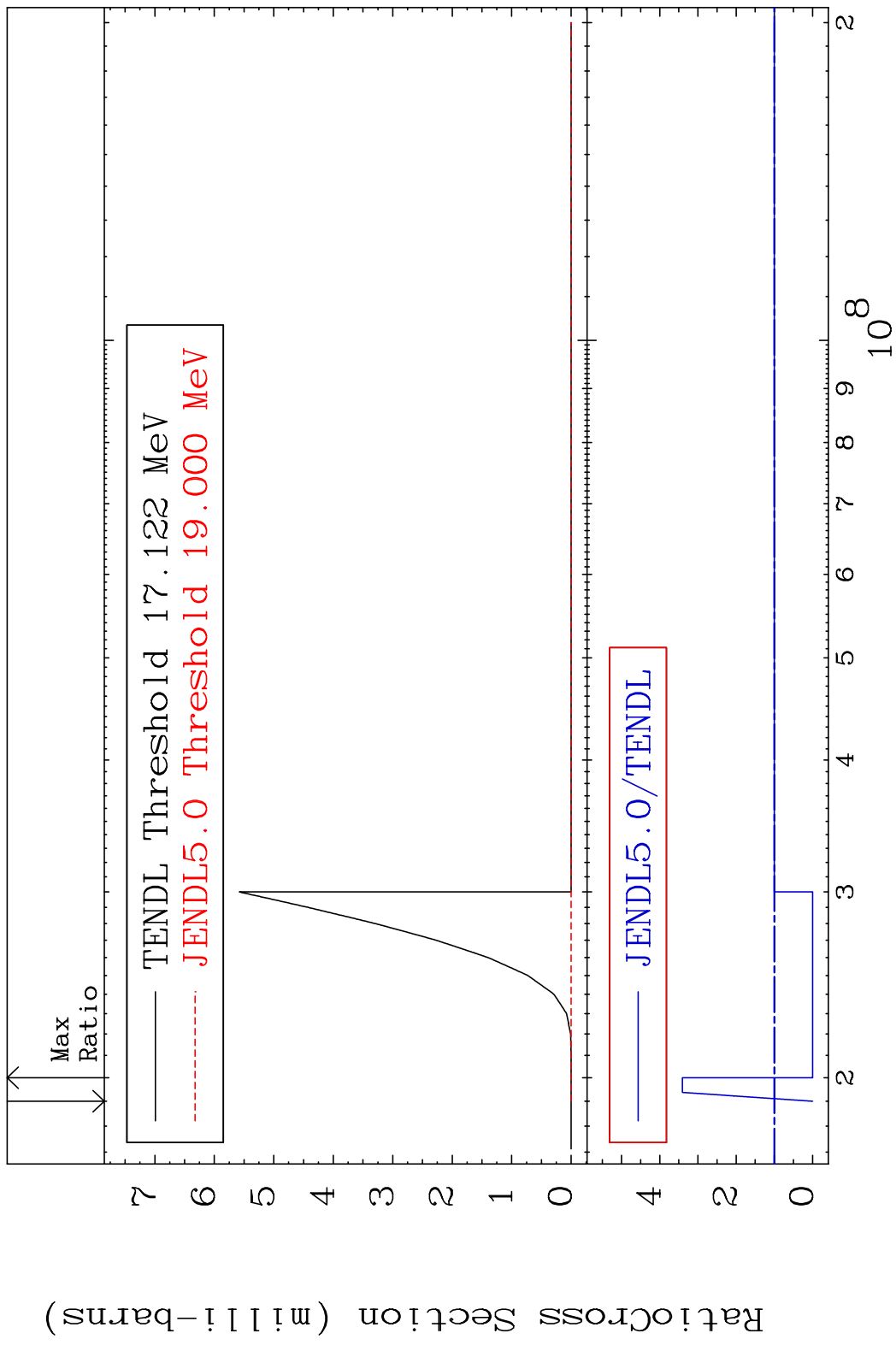


7

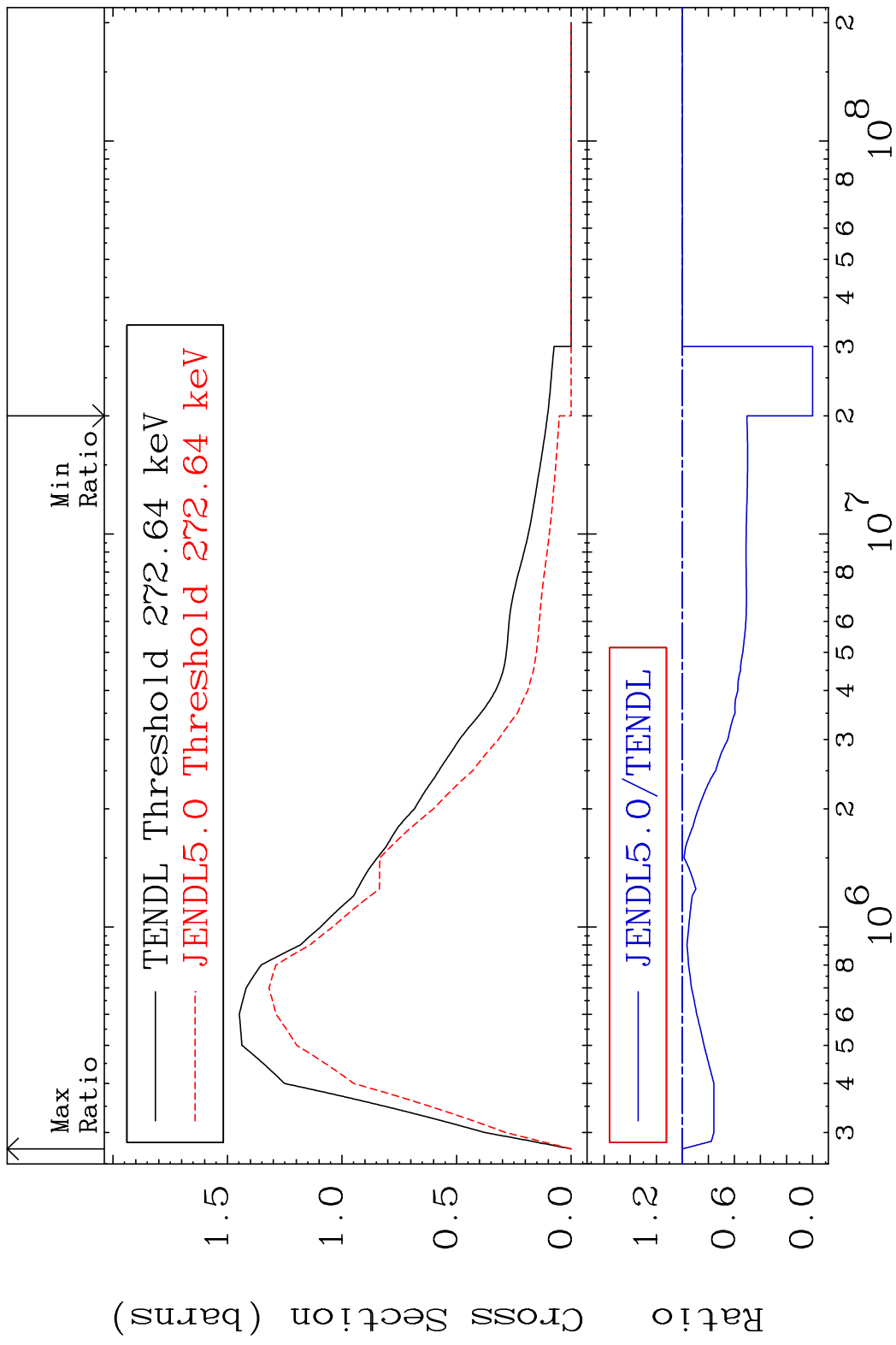
Incident Energy (eV)

44-Ru-106

MAT 4455 (n, n') d 44-Ru-106
 Cross Section -100.0 To 240.7 %



MAT 4455 MT= 51 (n,n') Level 44-Ru-106
 Cross Section -100.0 To 0.000 %

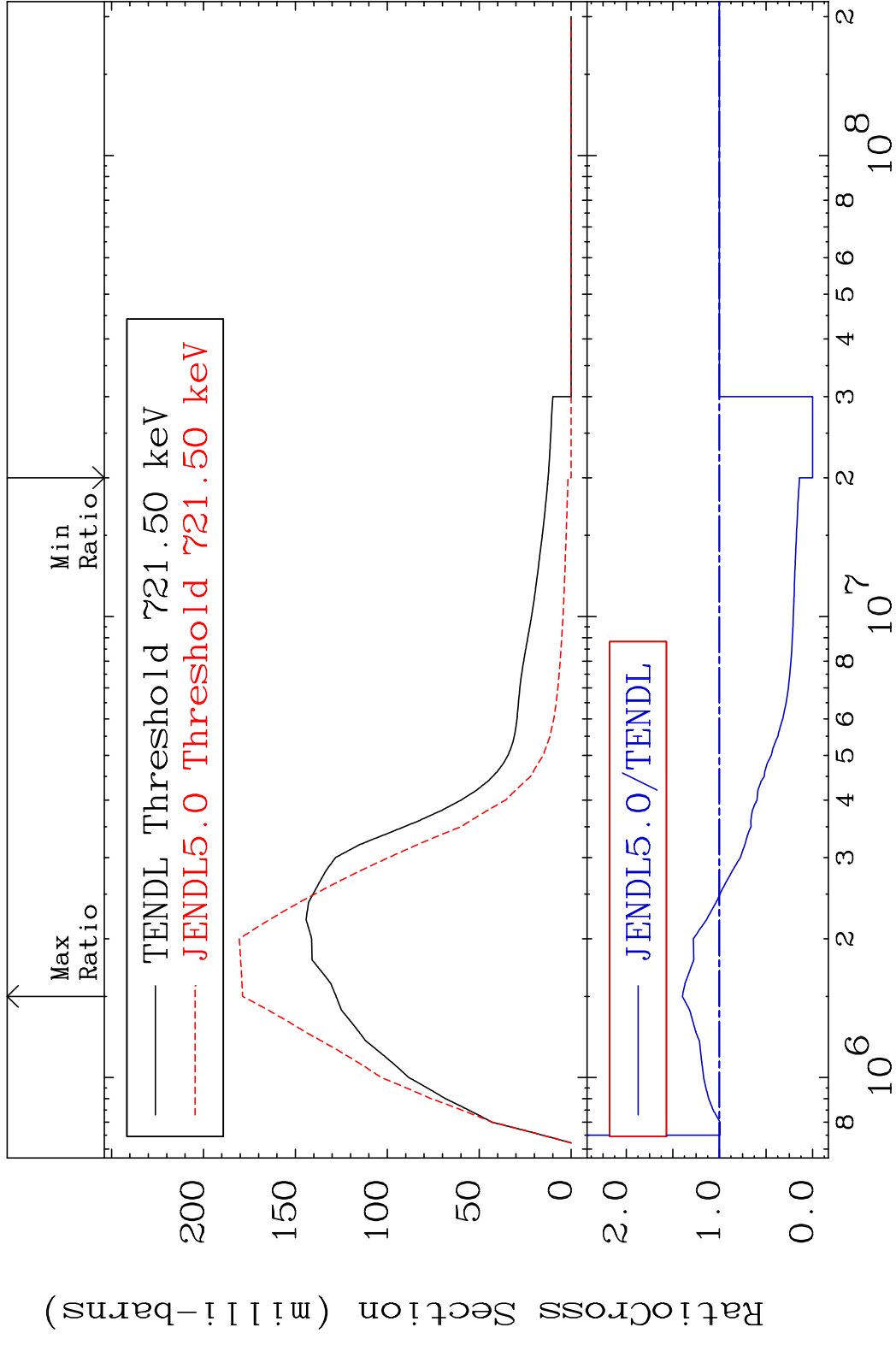


10

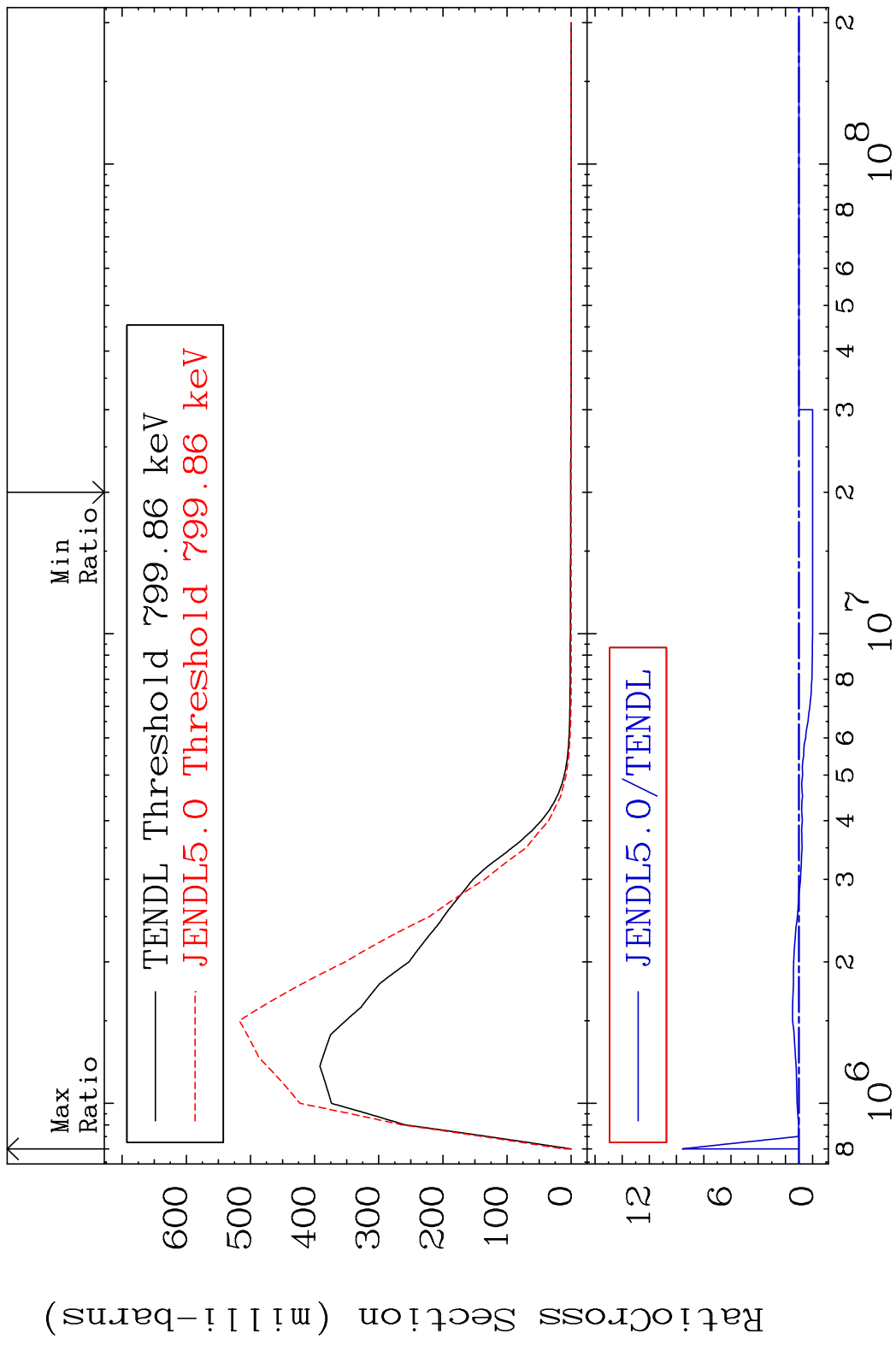
Incident Energy (eV)

44-Ru-106

MAT 4455 MT= 52 (n, n') Level 44-Ru-106
 Cross Section -100.0 To 39.75 %

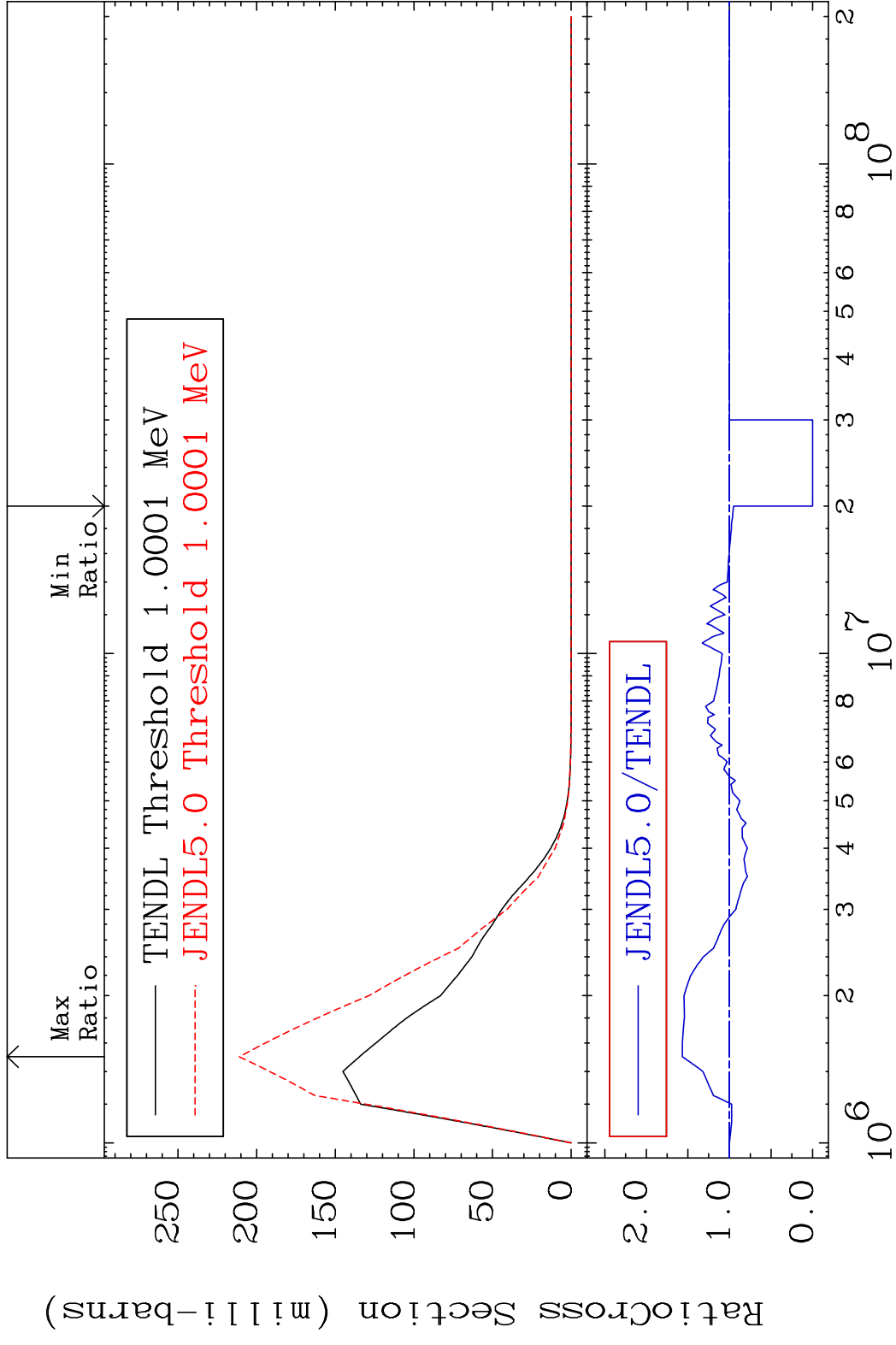


MAT 4455 MT= 53 (n, n') Level 44-Ru-106
 Cross Section -100.0 To 857.3 %



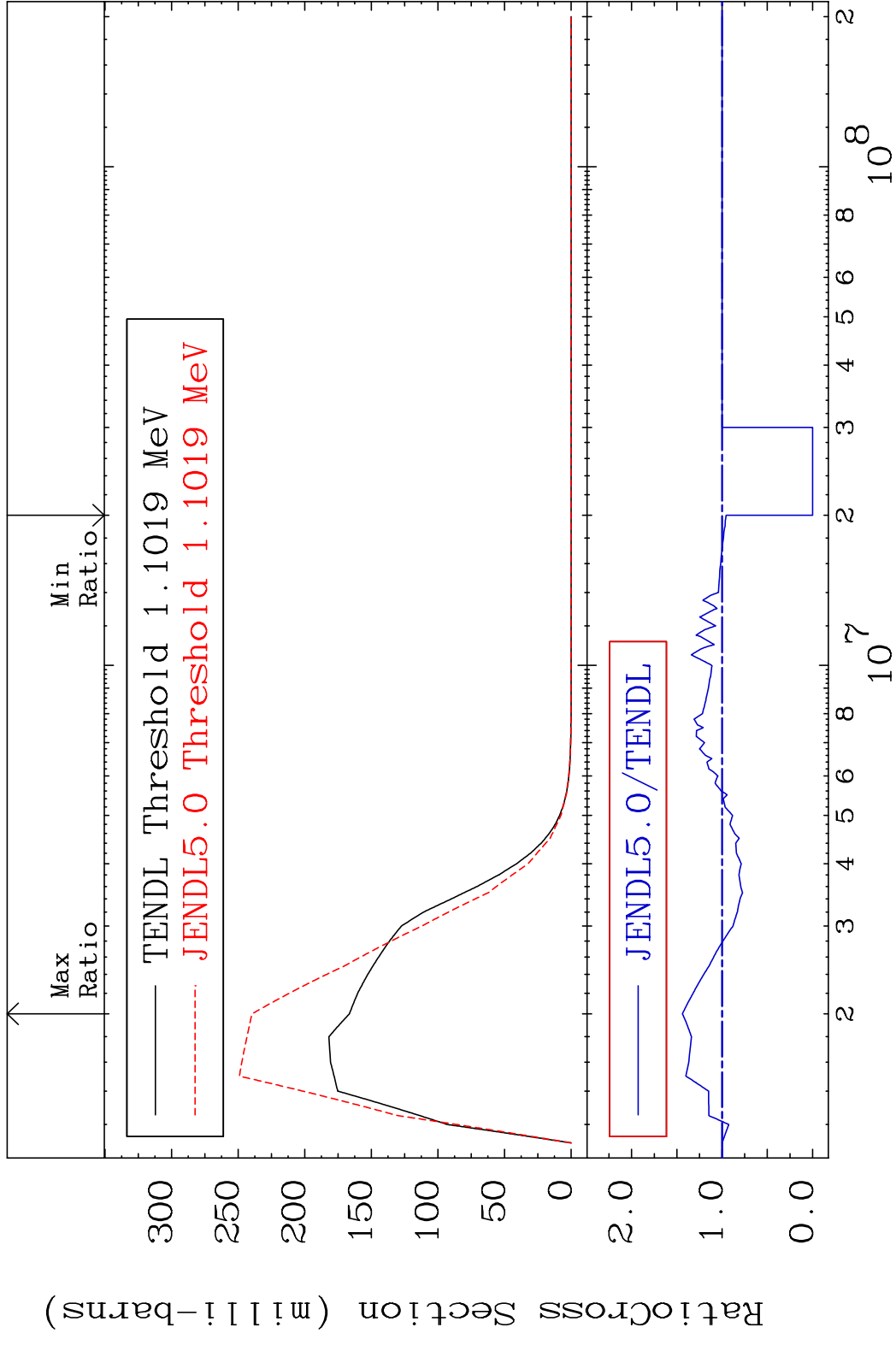
12 44-Ru-106

MAT 4455 MT= 54 (n, n') Level 44-Ru-106
 Cross Section -100.0 To 56.70 %

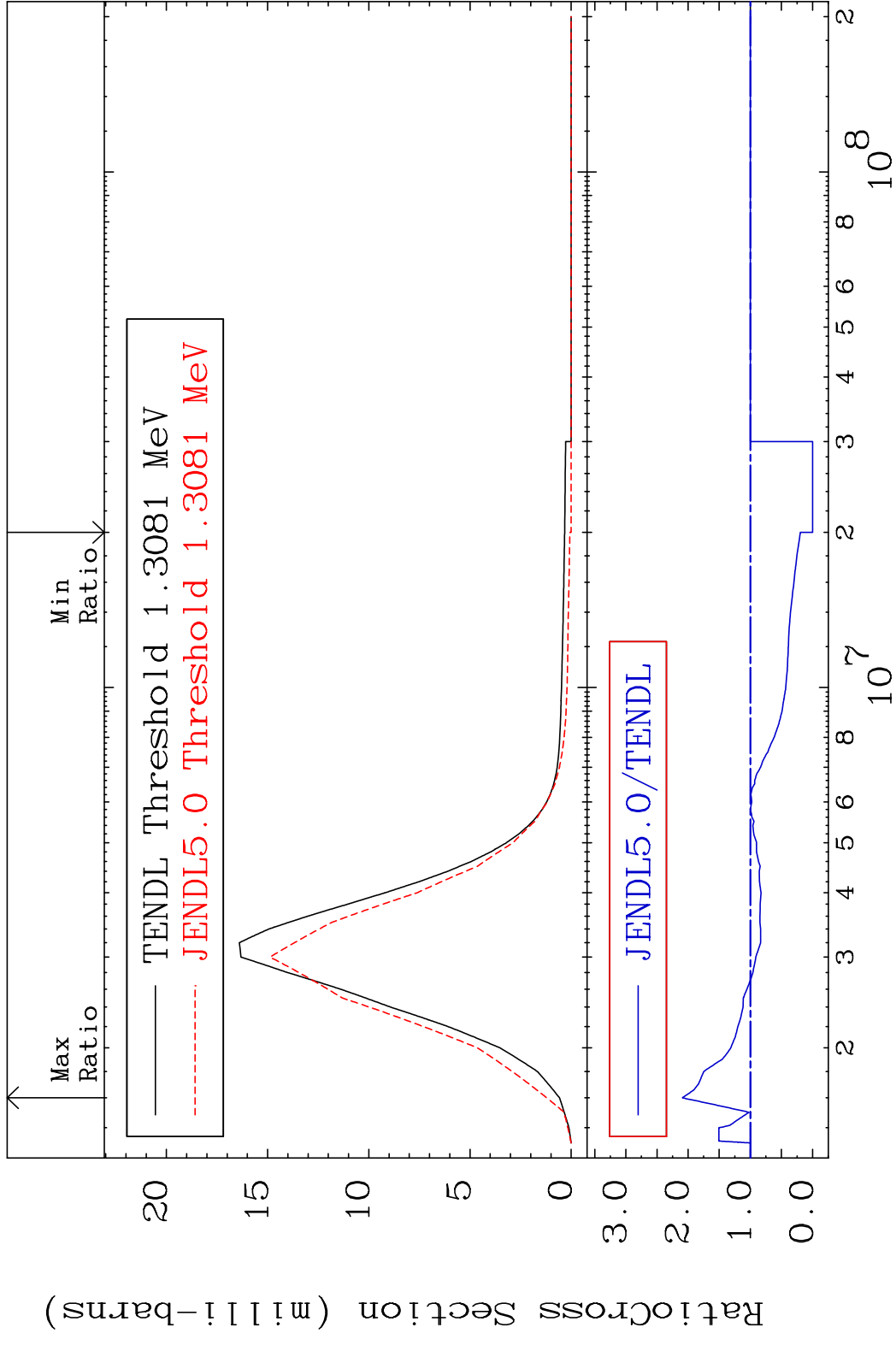


13 Incident Energy (eV) 44-Ru-106

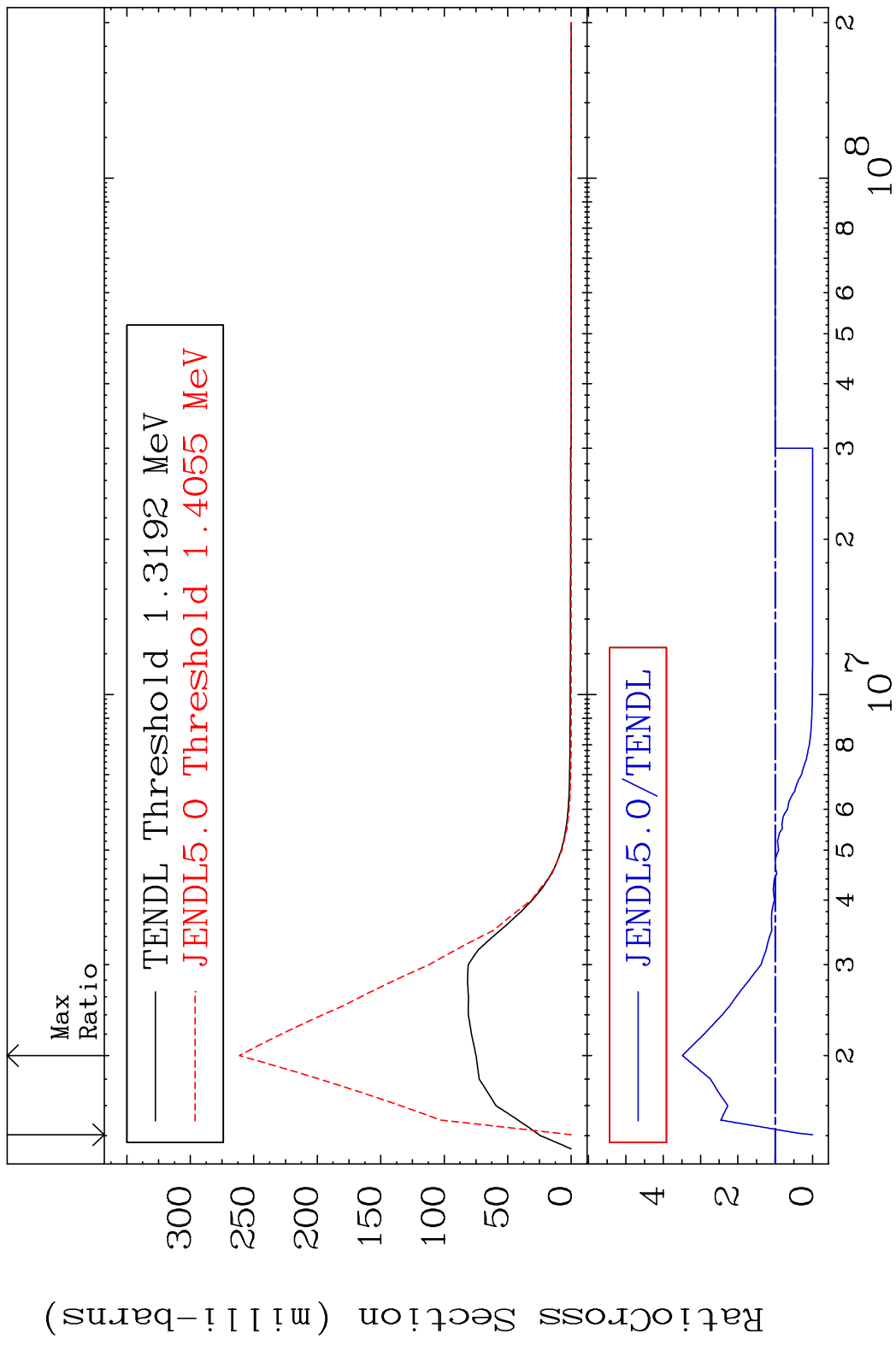
MAT 4455 MT= 55 (n, n') Level 44-Ru-106
 Cross Section -100.0 To 43.92 %



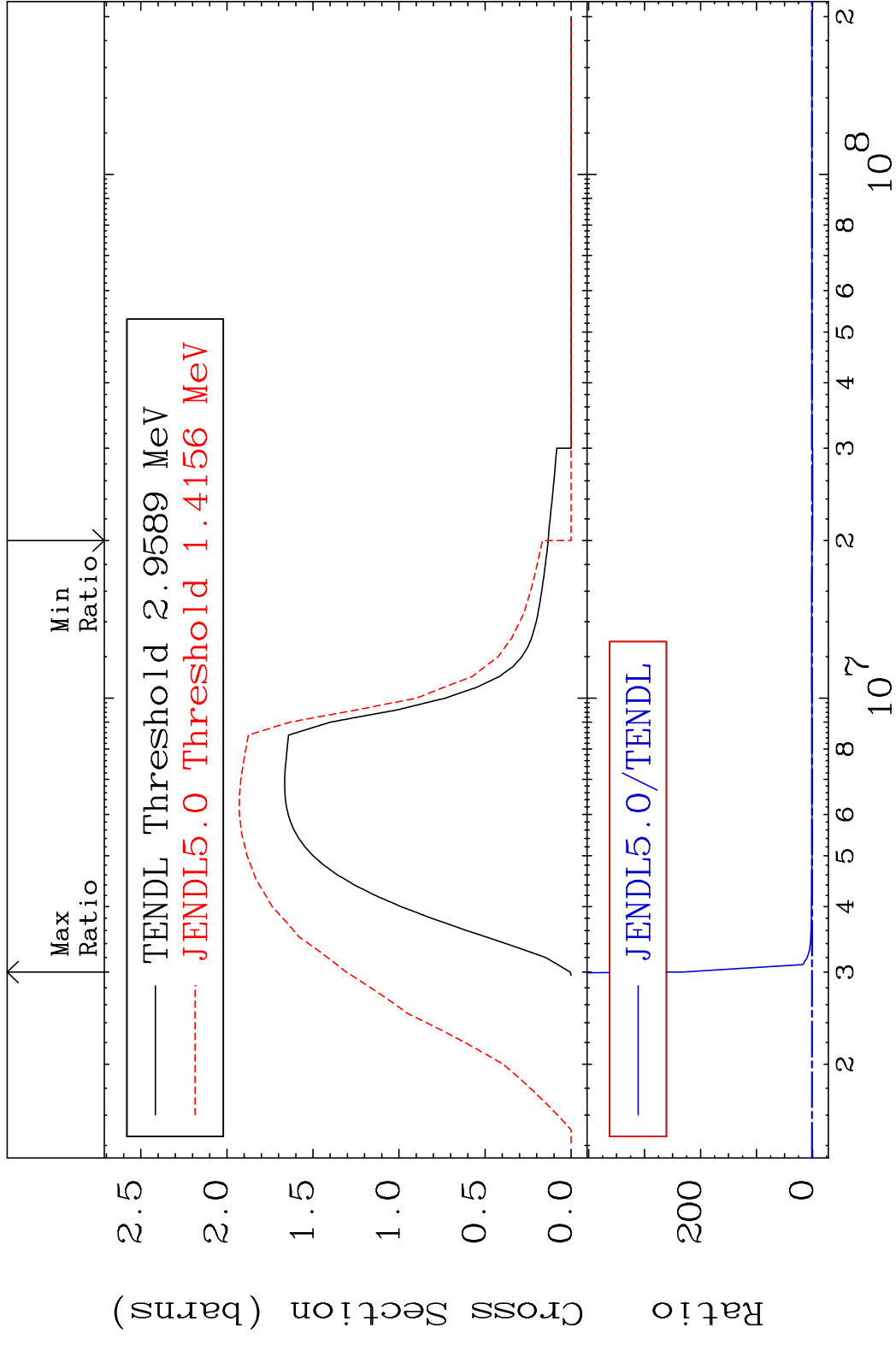
MAT 4455 MT= 56 (n, n') Level 44-Ru-106
 Cross Section -100.0 To 109.2 %



MAT 4455 MT= 57 (n, n') Level 44-Ru-106
 Cross Section -100.0 To 248.7 %



MAT 4455 (n,n') Continuum 44-Ru-106
 Cross Section -100.0 To 9999. %

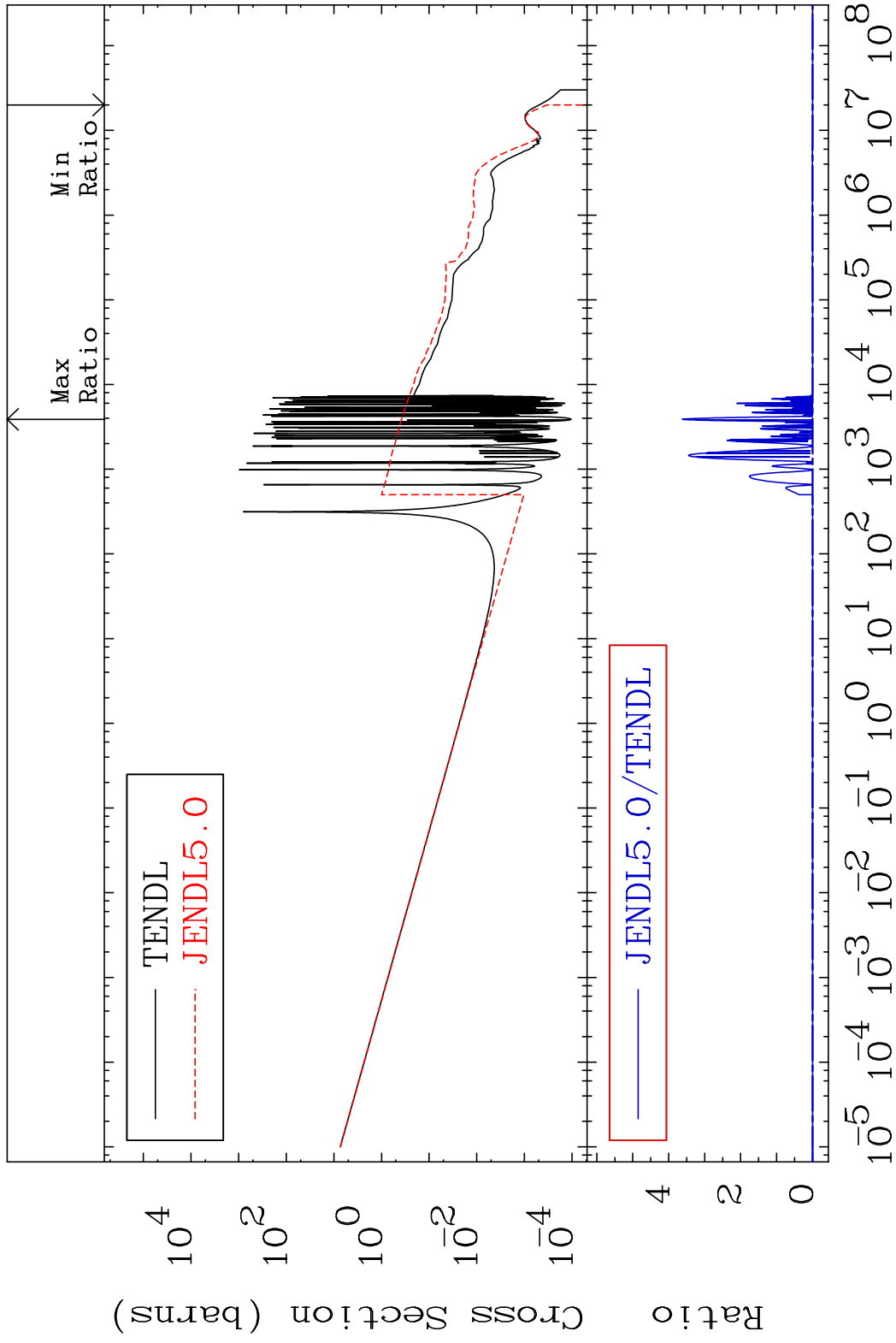


MAT 4455

(n, γ)

44-Ru-106

Cross Section -100.0 To 9999. %



18

Incident Energy (eV)

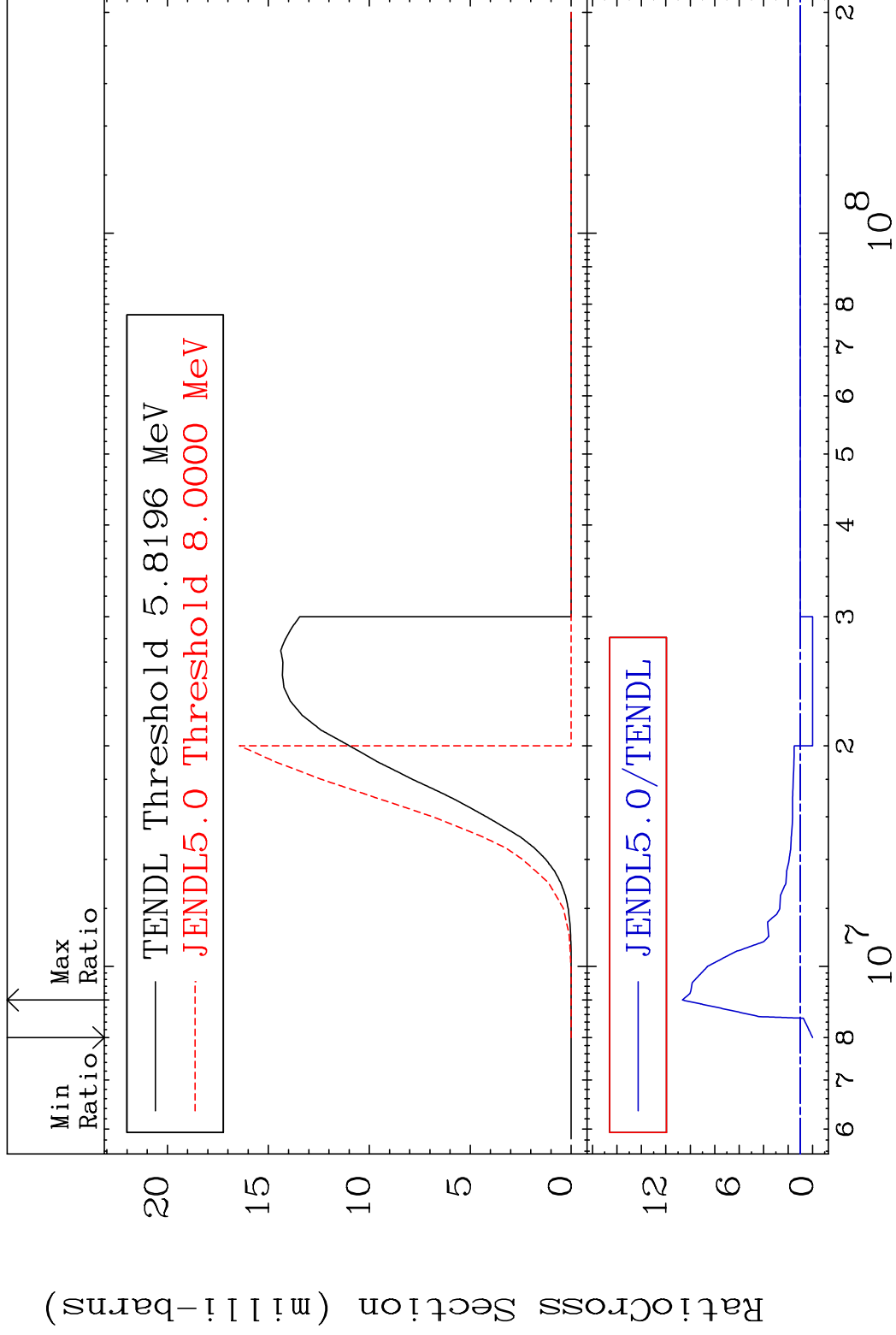
44-Ru-106

MAT 4455

(n,p)

44-Ru-106

Cross Section -100.0 To 964.9 %

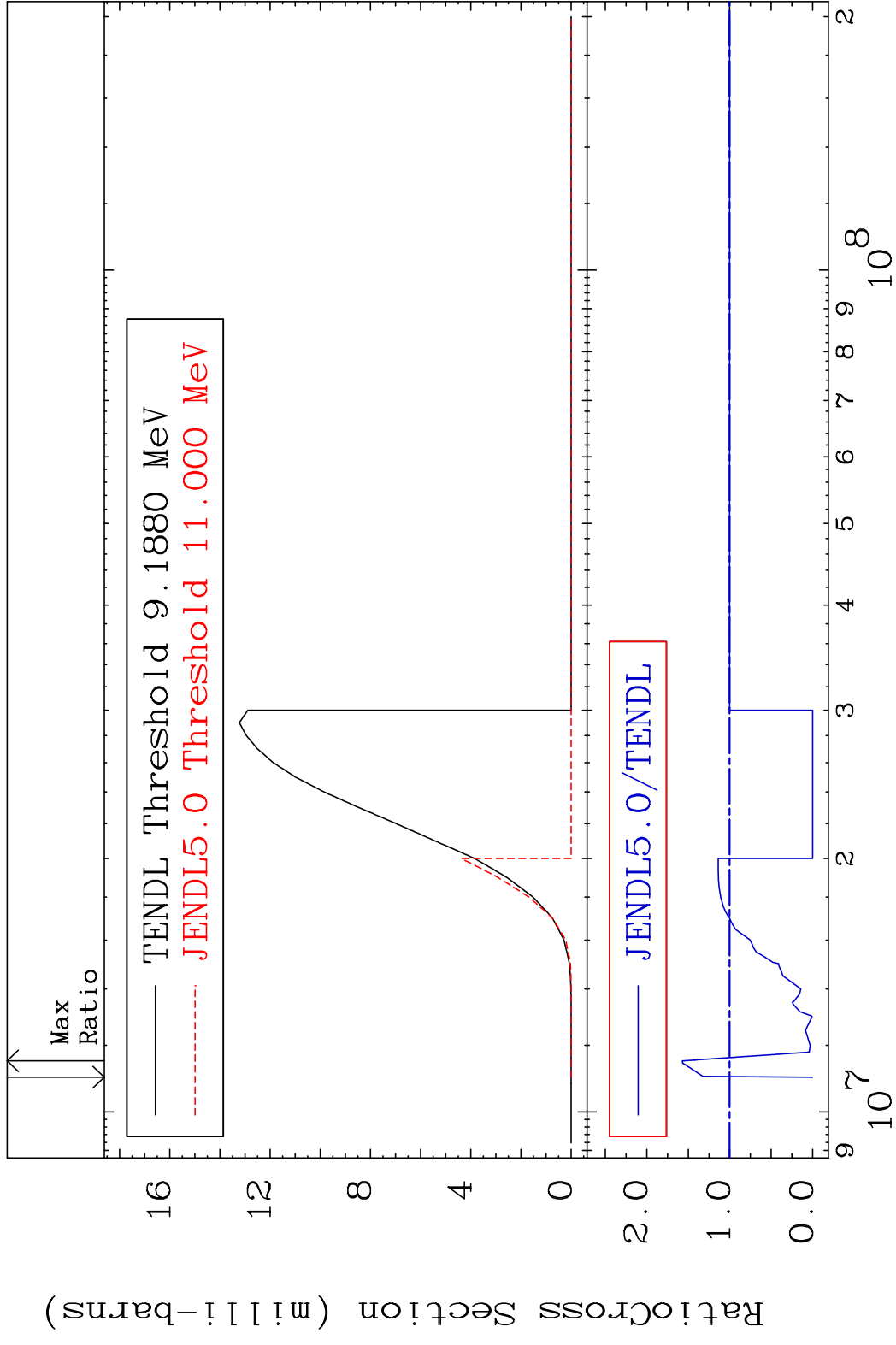


19

Incident Energy (eV)

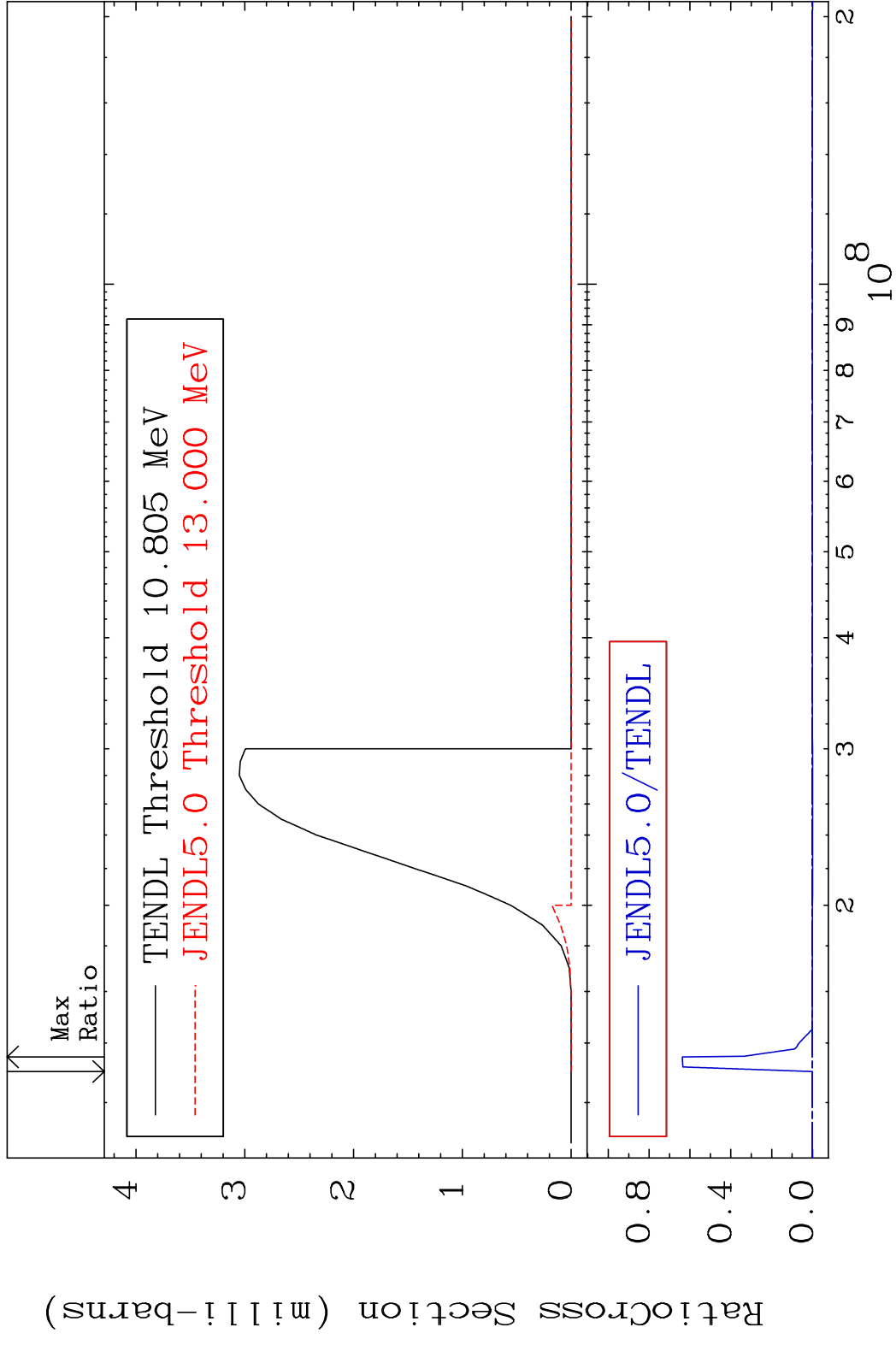
44-Ru-106

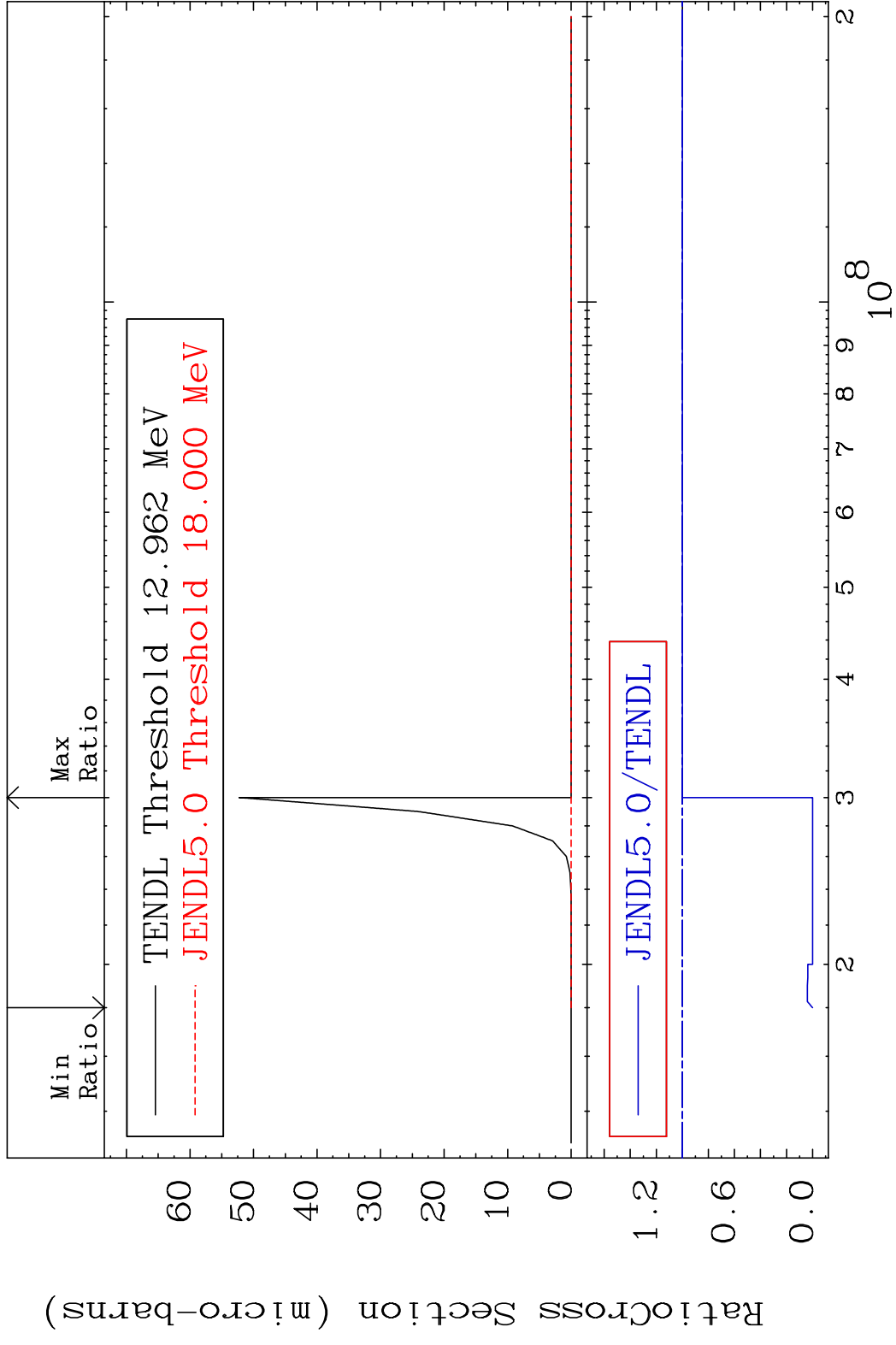
MAT 4455 (n,d) 44-Ru-106
 Cross Section -100.0 To 57.13 %



20 44-Ru-106

MAT 4455 (n, t) 44-Ru-106
 Cross Section -100.0 To 9999. %



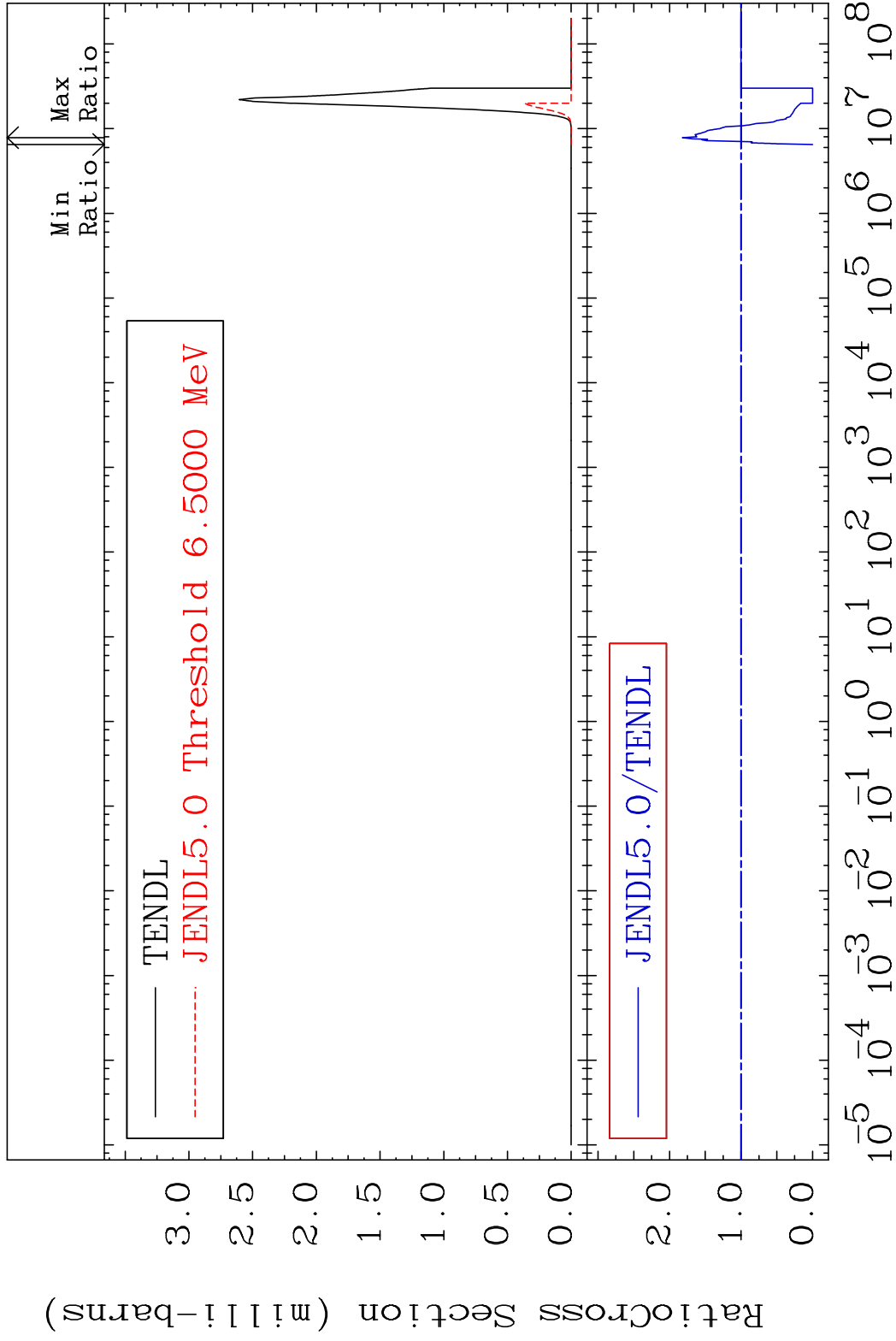


MAT 4455

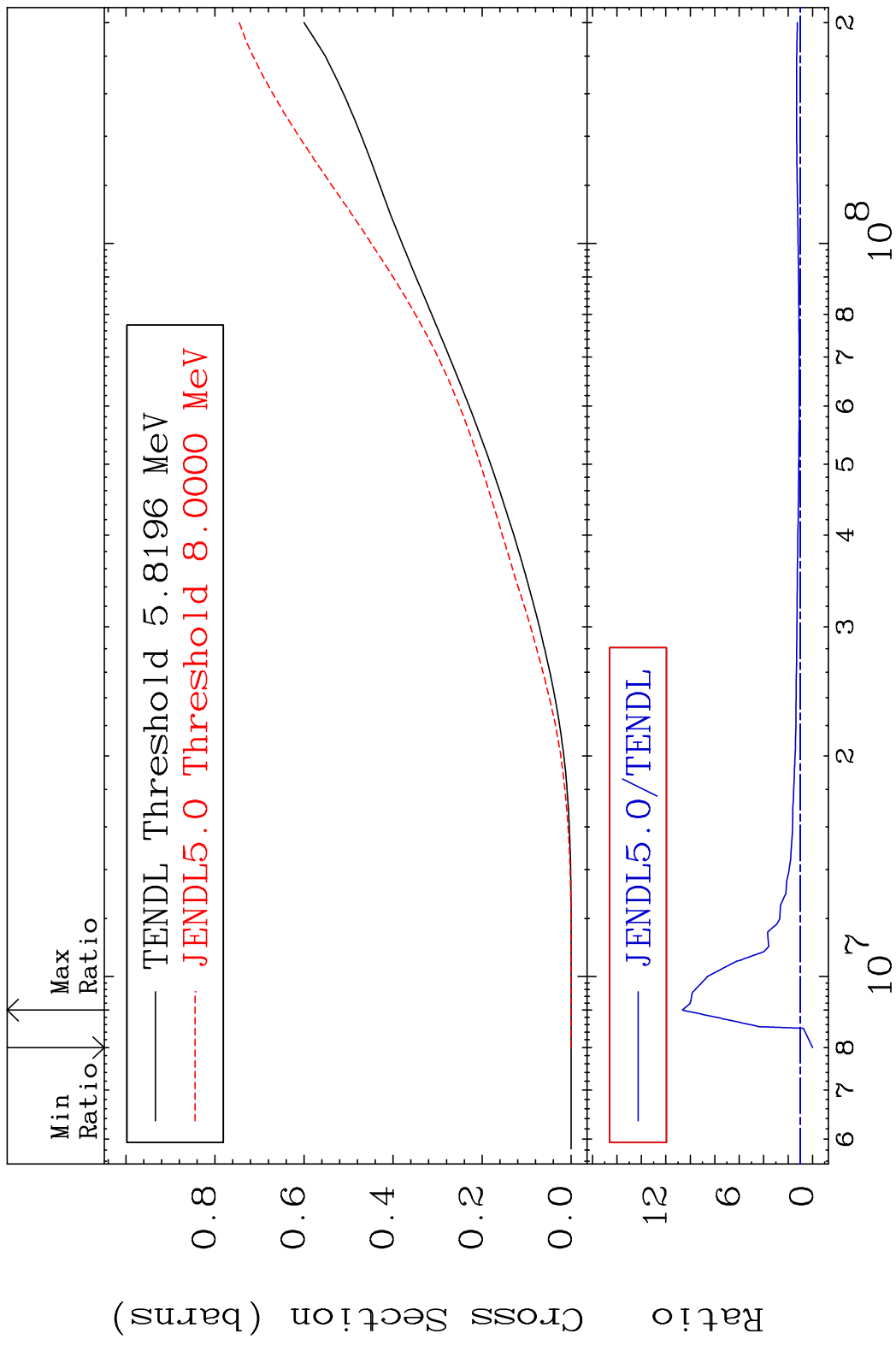
(n, α)

44-Ru-106

Cross Section -100.0 To 82.06 %



MAT 4455 Hydrogen Production 44-Ru-106
 Cross Section -100.0 To 964.9 %

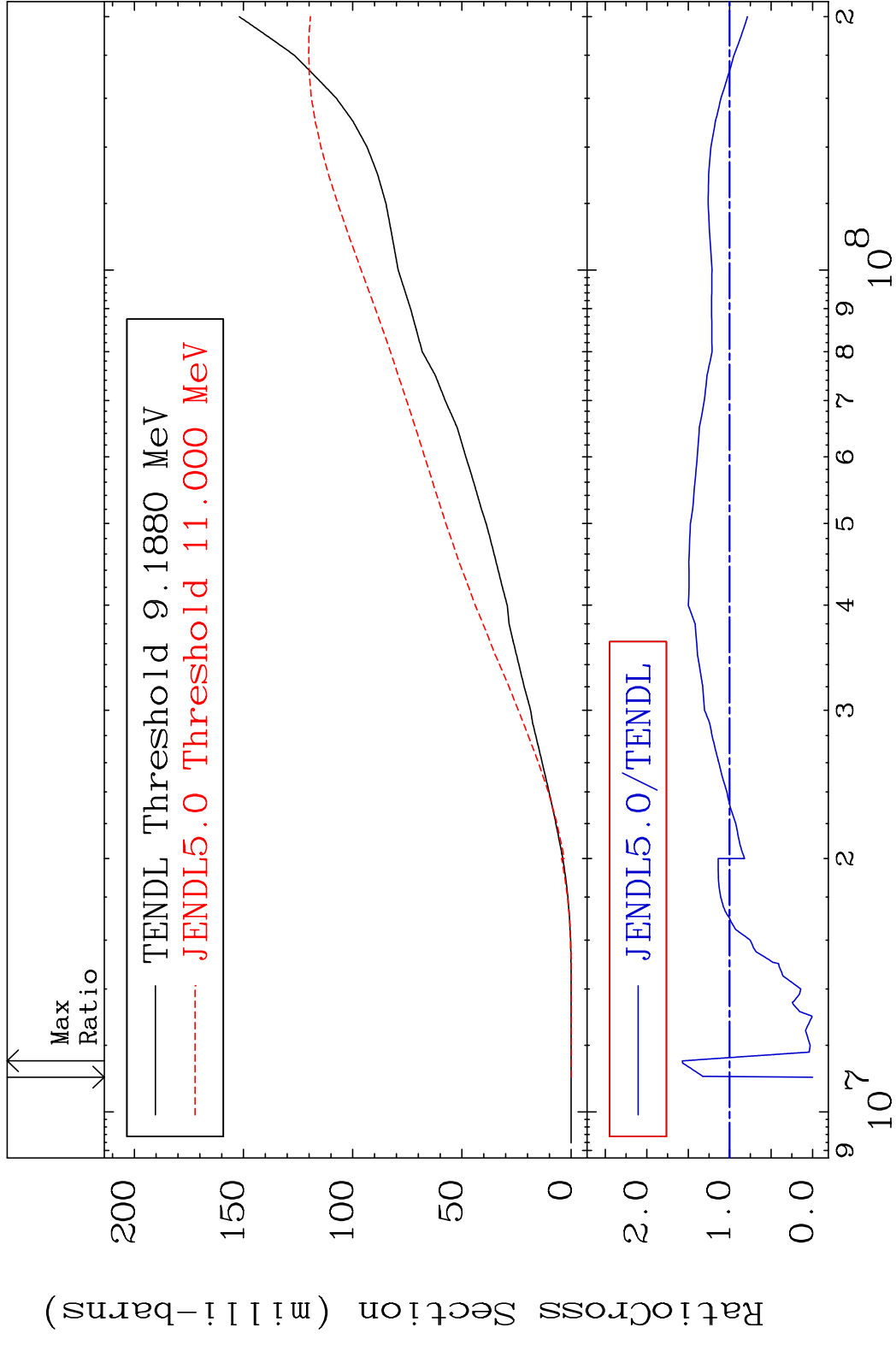


MAT 4455

Deuterium Production

44-Ru-106

Cross Section -100.0 To 57.13 %

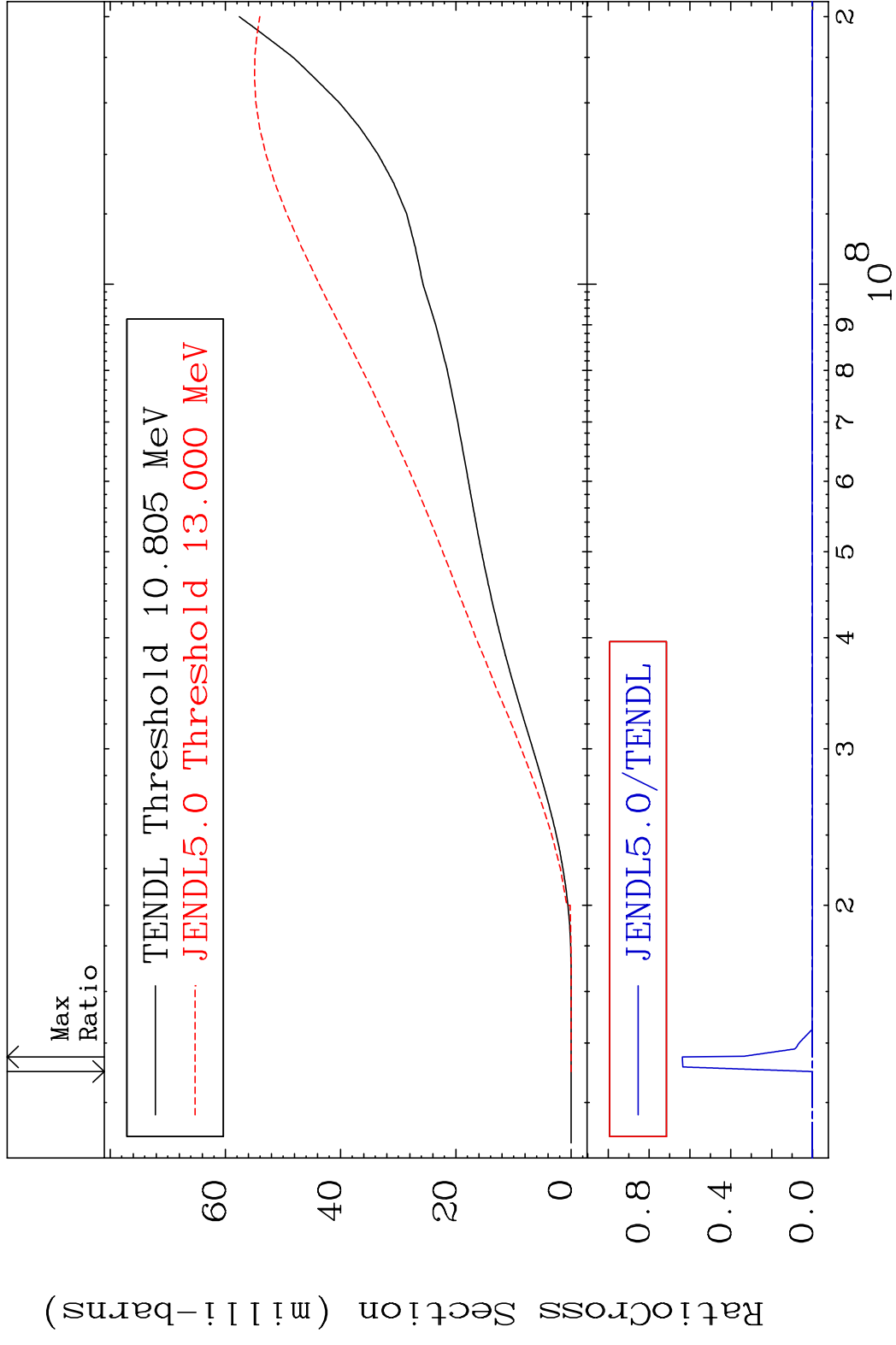


25

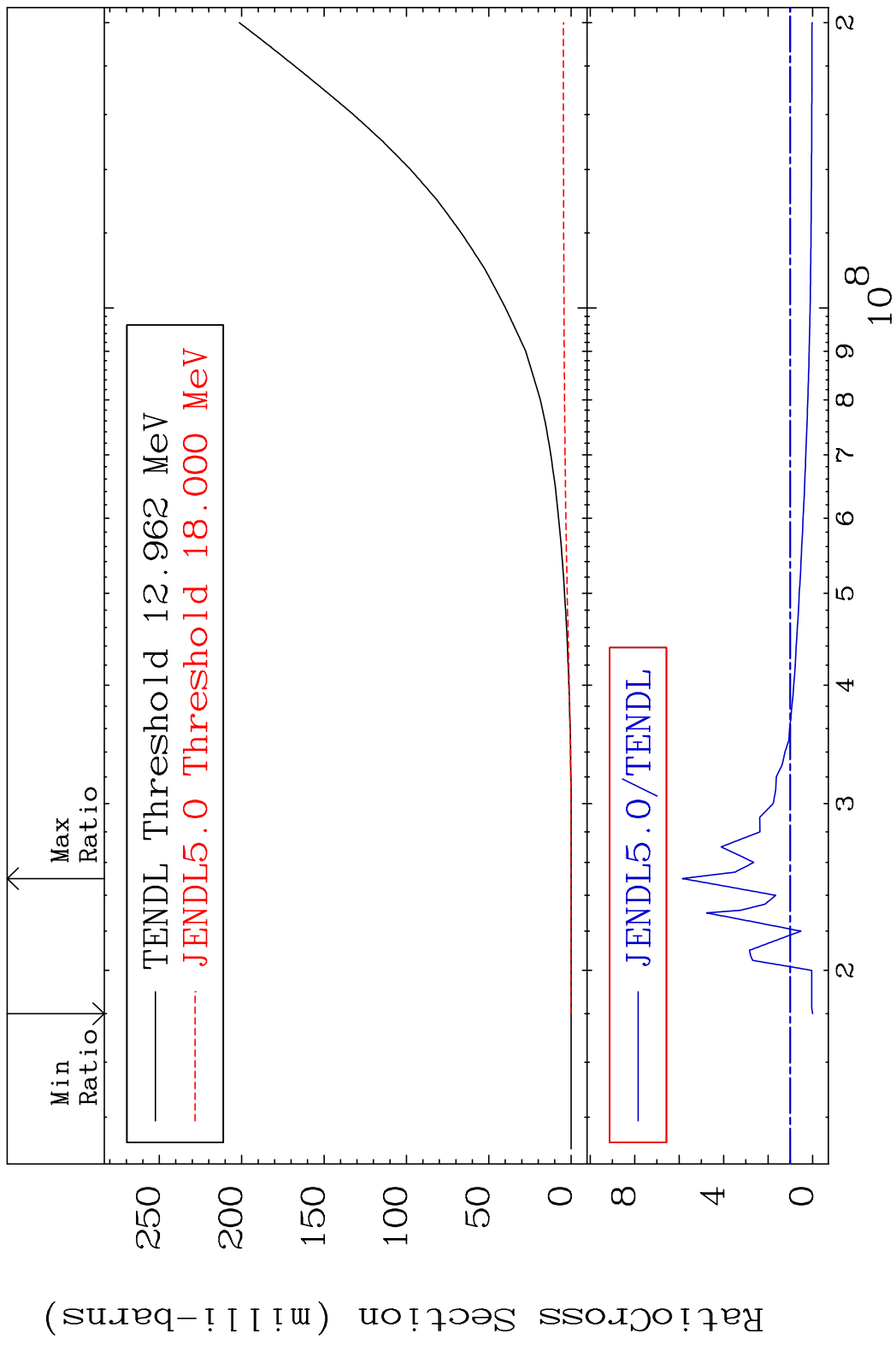
Incident Energy (eV)

44-Ru-106

MAT 4455 Tritium Production 44-Ru-106
 Cross Section -100.0 To 9999. %



MAT 4455 He-3 Production 44-Ru-106
 Cross Section -100.0 To 485.7 %

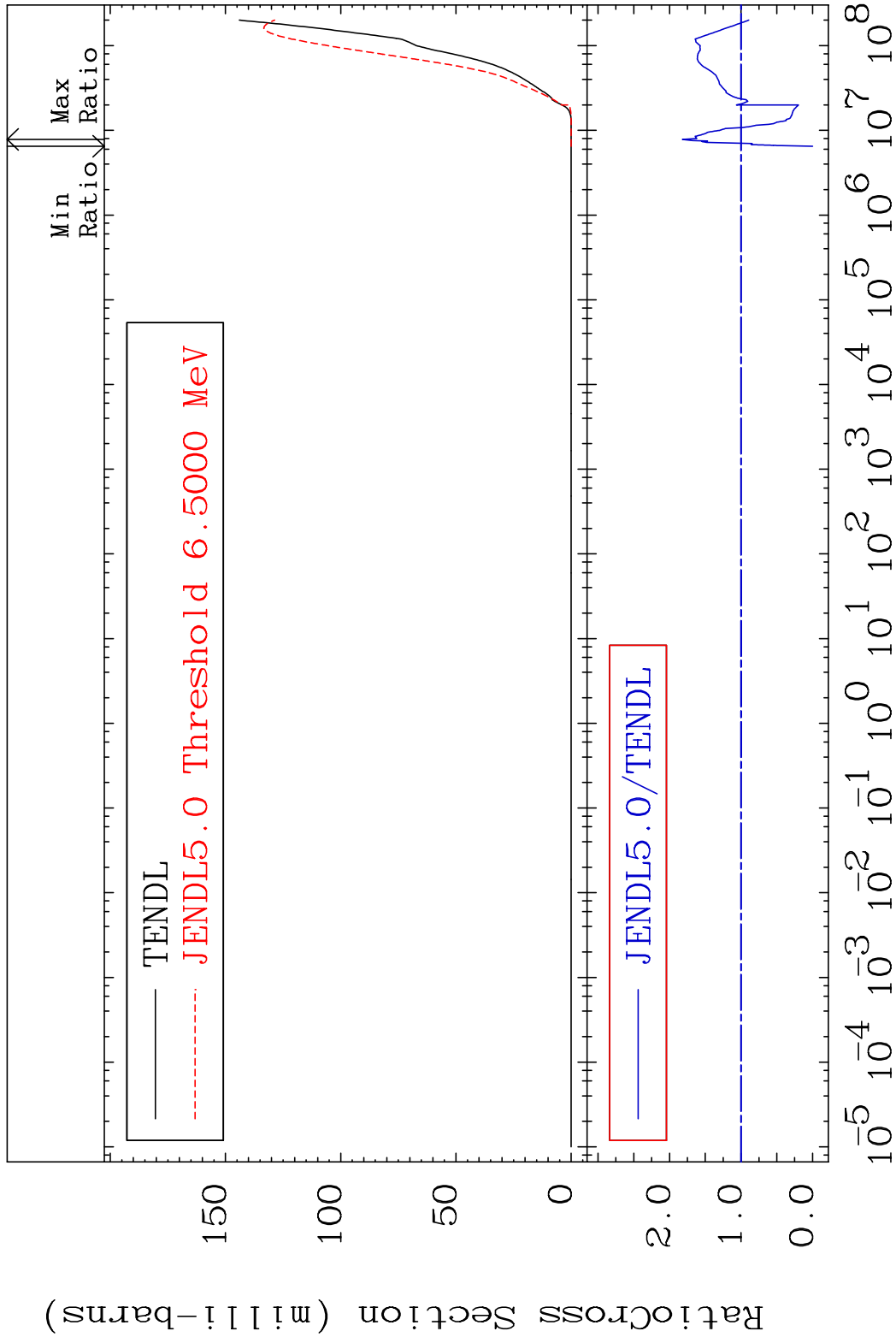


MAT 4455

He-4 Production

44-Ru-106

Cross Section -100.0 To 82.06 %

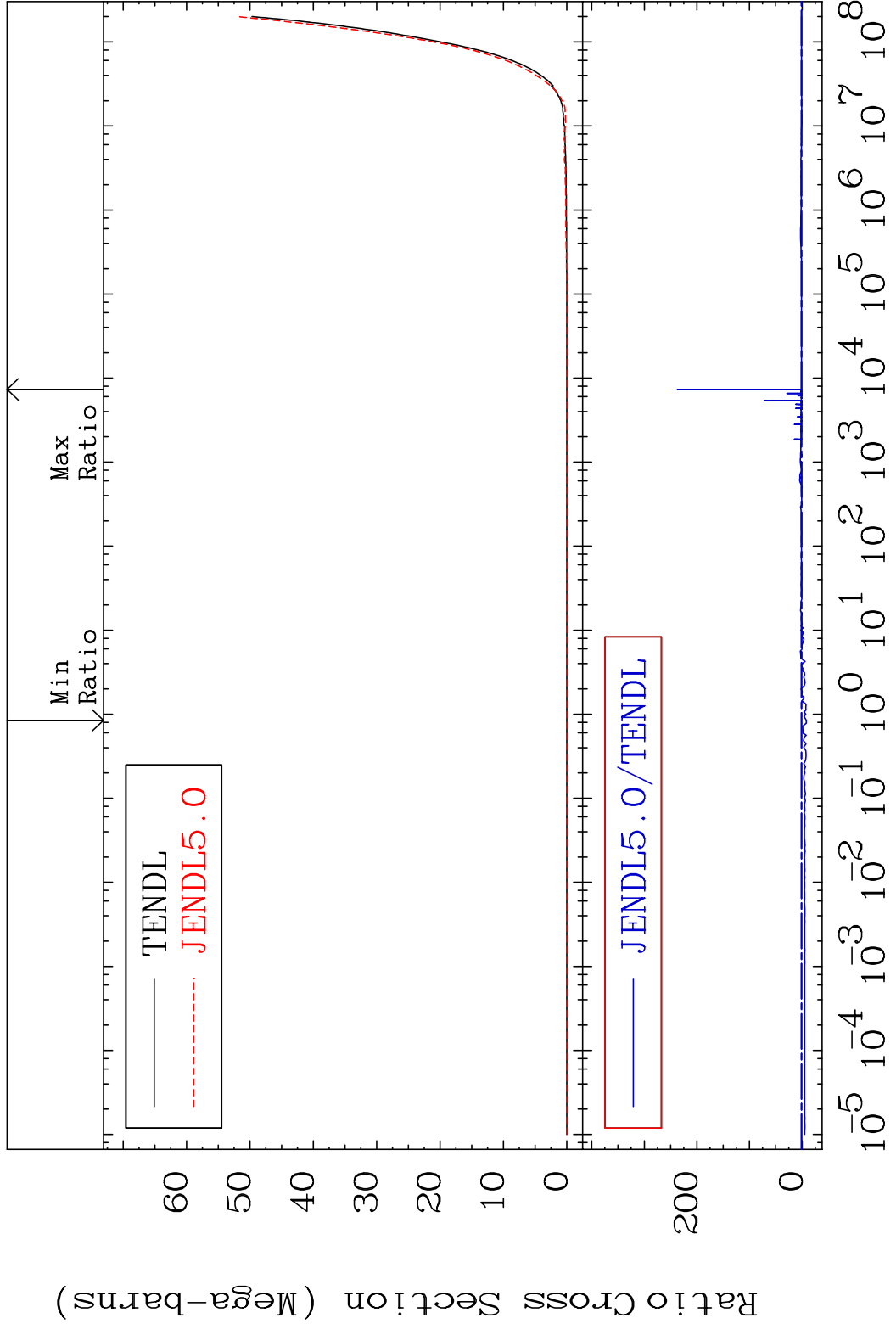


28

Incident Energy (eV)

44-Ru-106

MAT 4455 Kerma total (eV-barns) 44-Ru-106
Cross Section -928.5 To 9999. %

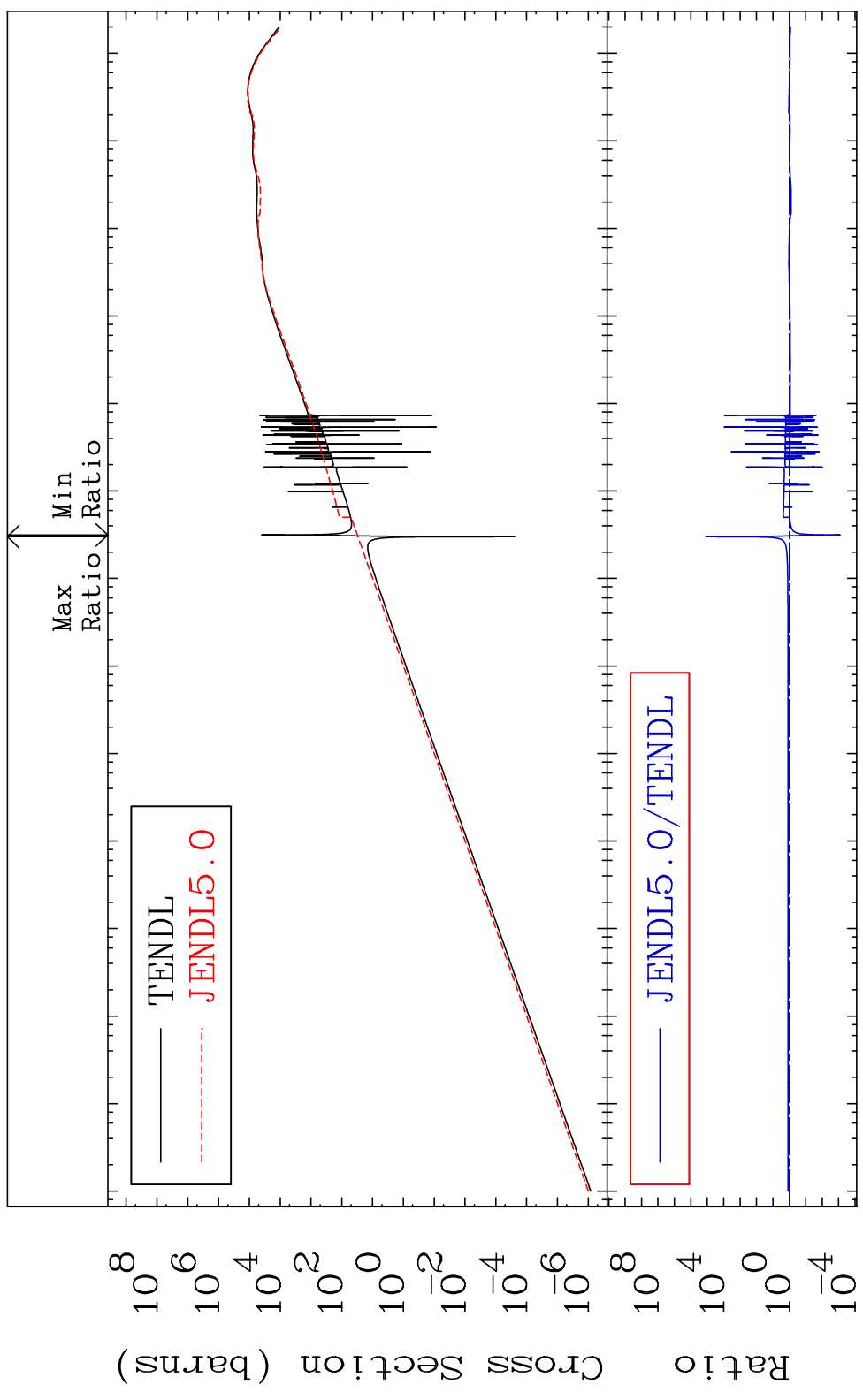


29 Incident Energy (eV) 44-Ru-106

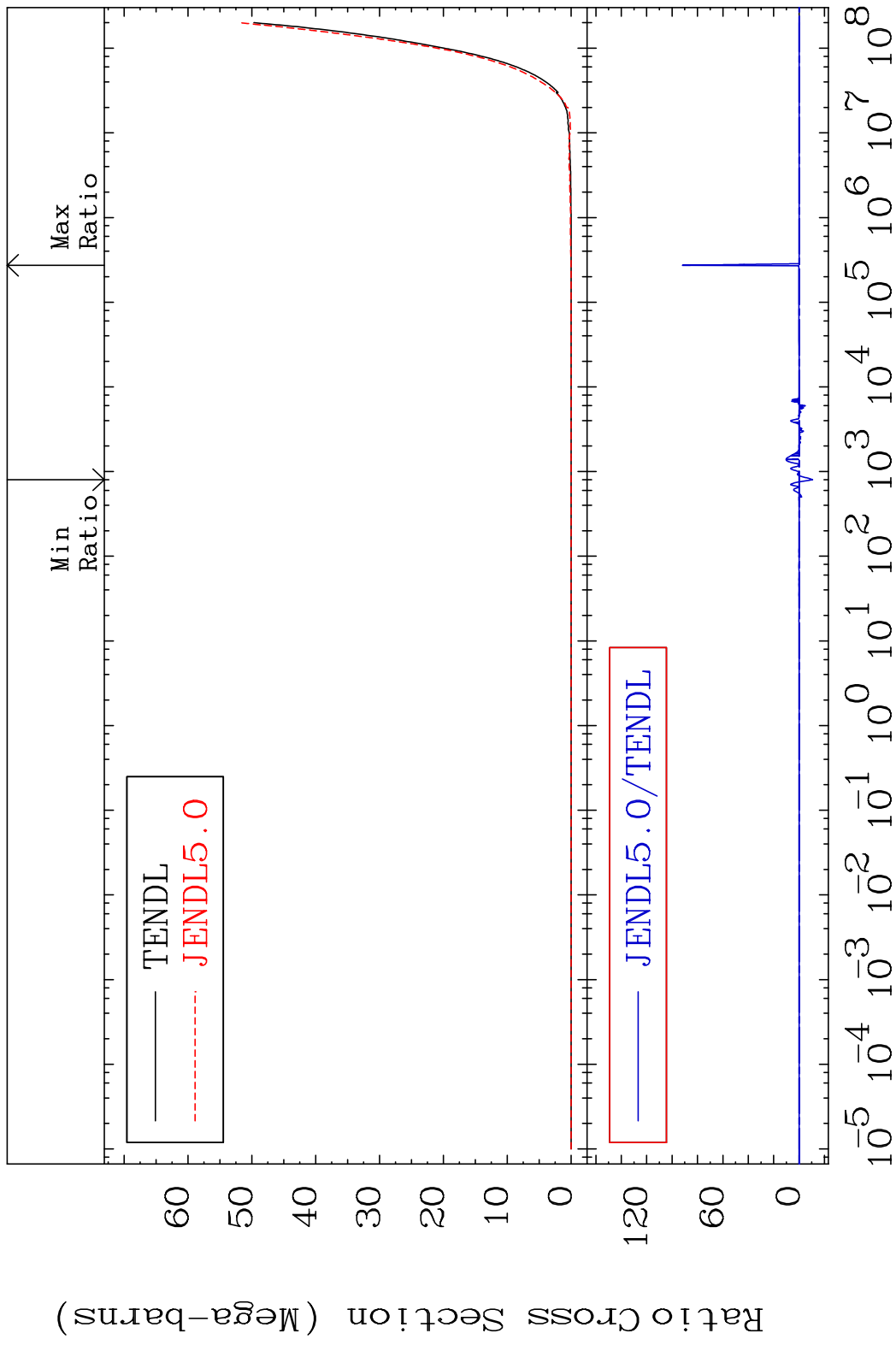
MAT 4455

Kerma elastic Cross Section -99.92 To 9999. %

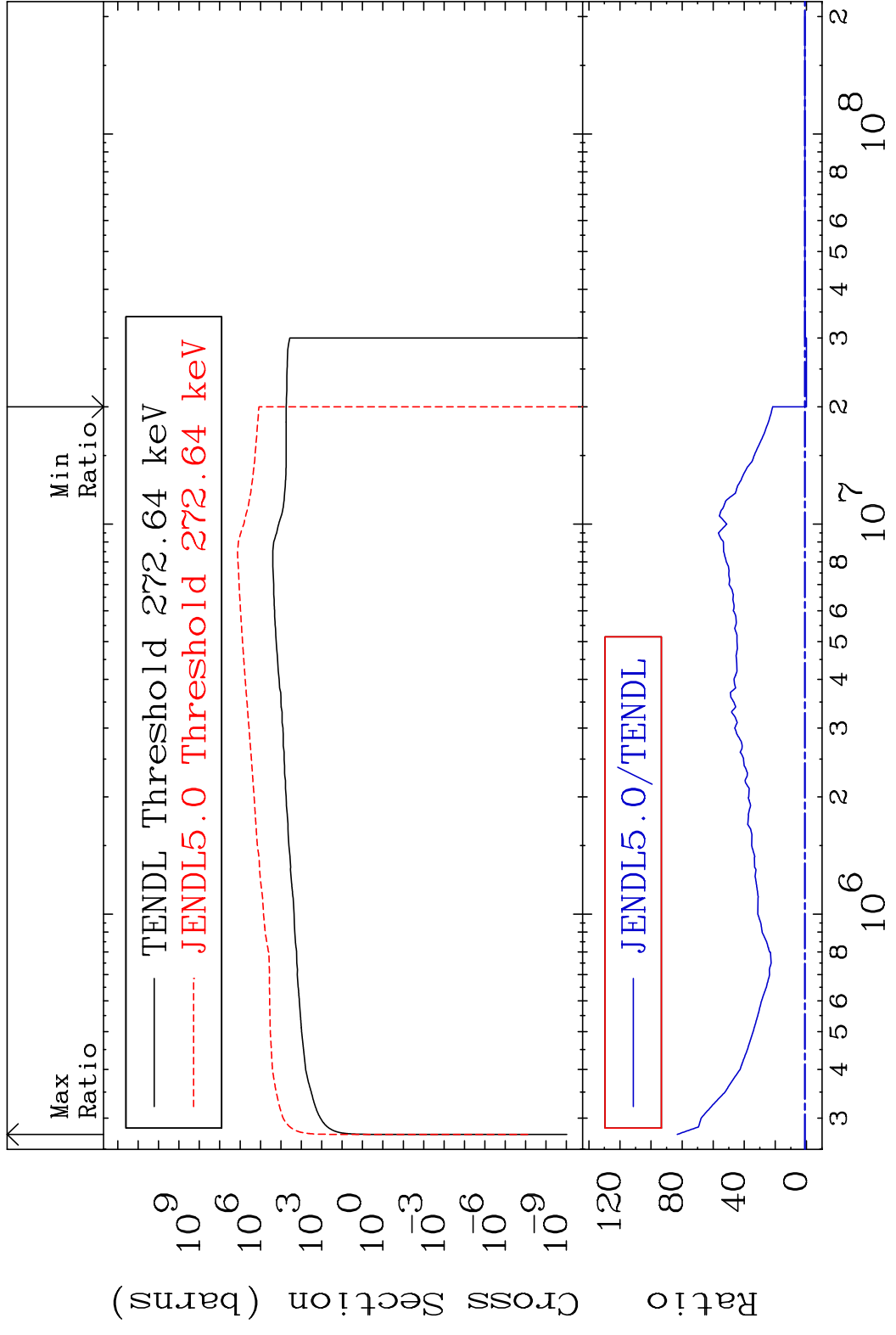
44-Ru-106



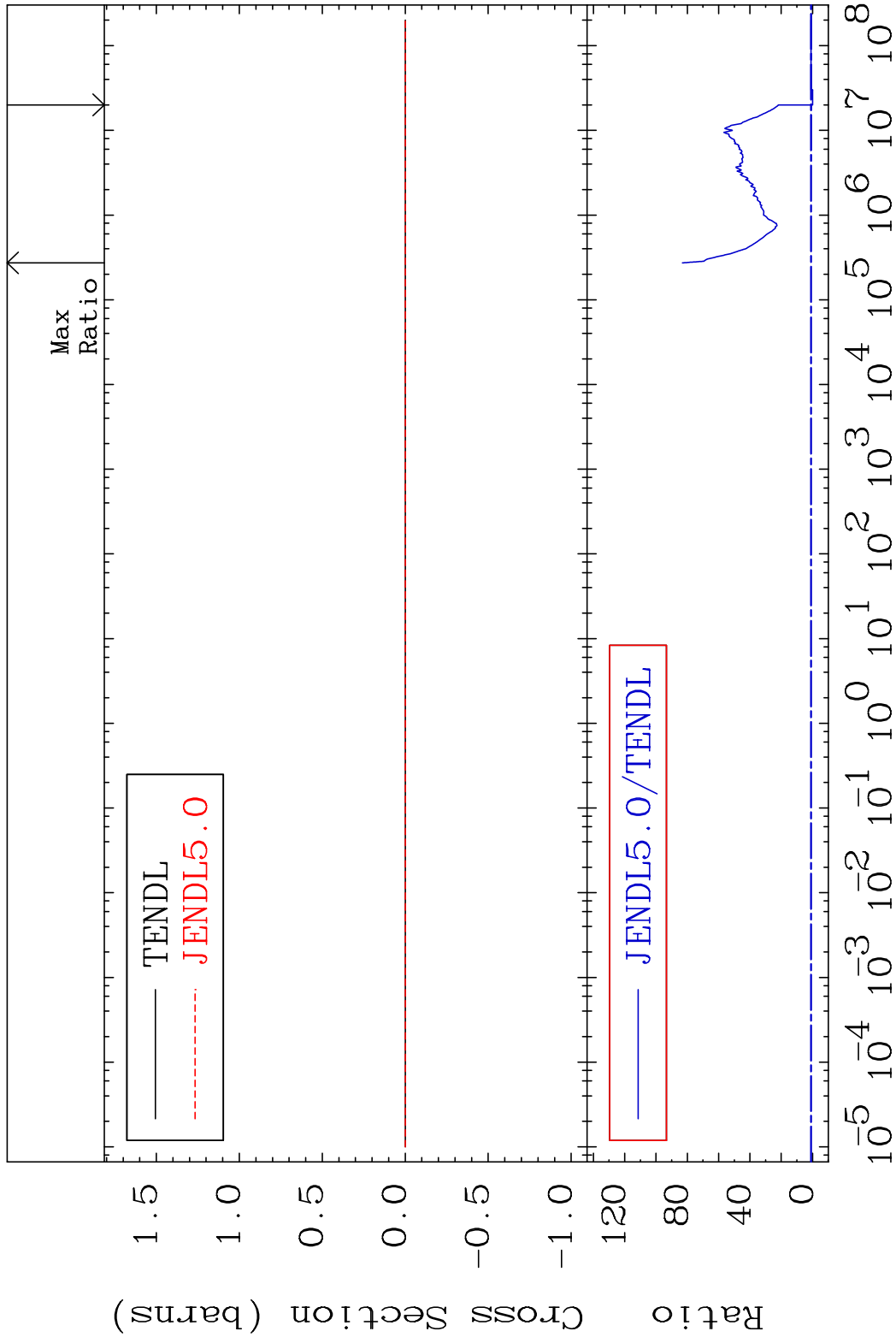
MAT 4455 Kerma non-elastic (all but mt2) 44-Ru-106
 Cross Section -9999. To 9999. %



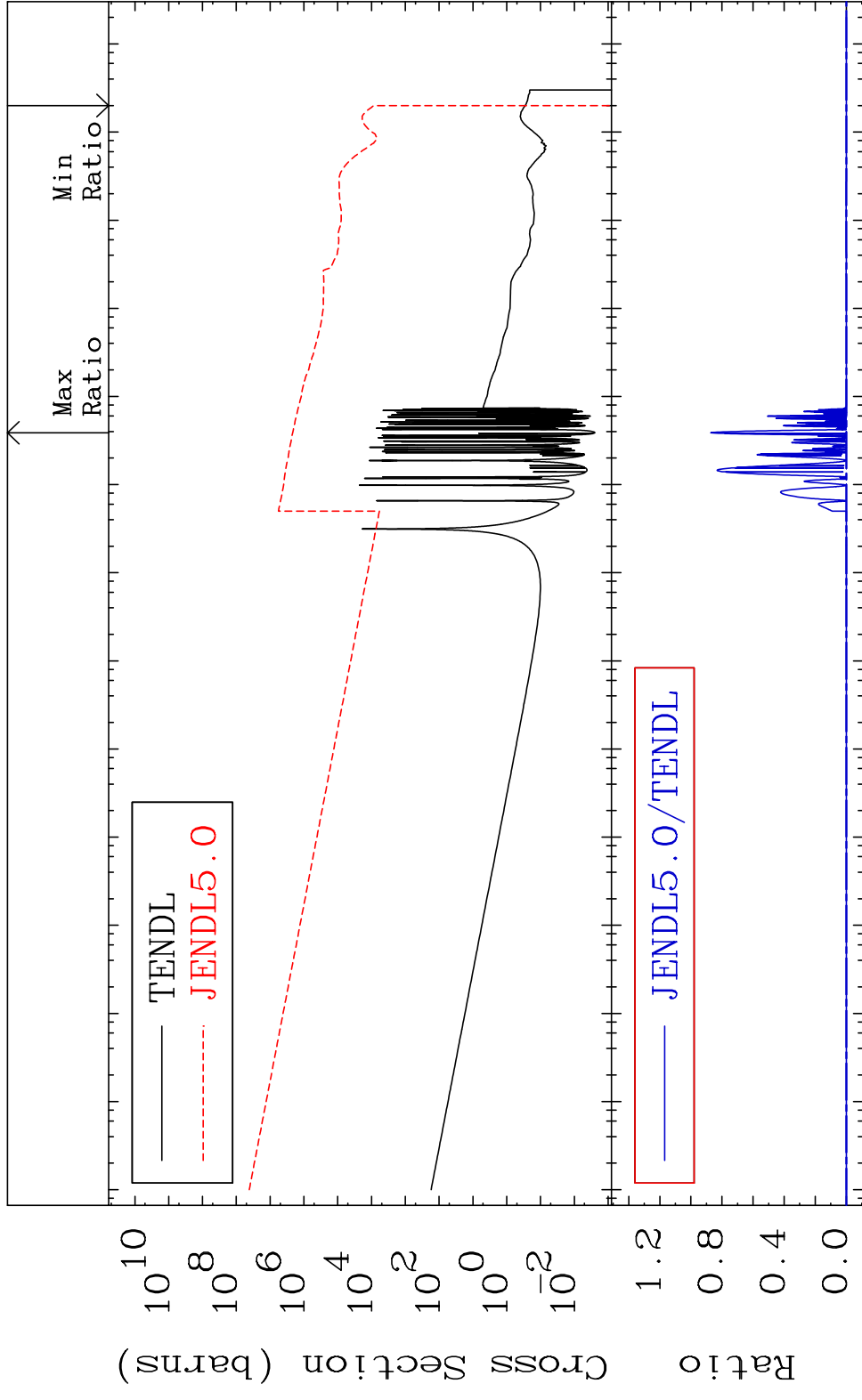
MAT 4455 Kerma inelastic (mt51-91) 44-Ru-106
 Cross Section -100.0 To 8217. %



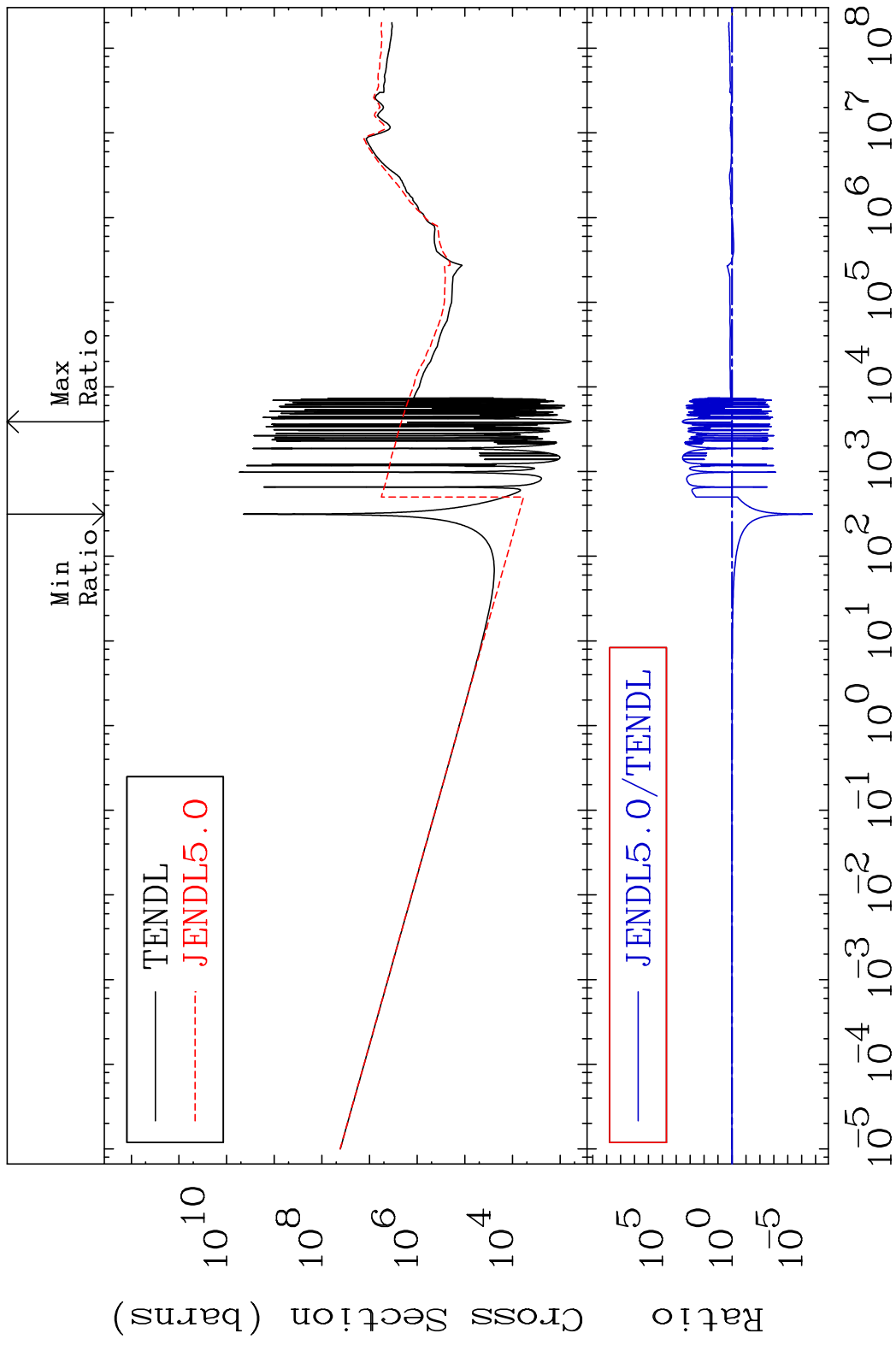
MAT 4455 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-106
 Cross Section -100.0 To 8217. %



MAT 4455 Kerma capture (mt102) 44-Ru-106
 Cross Section -100.0 To 9999. %

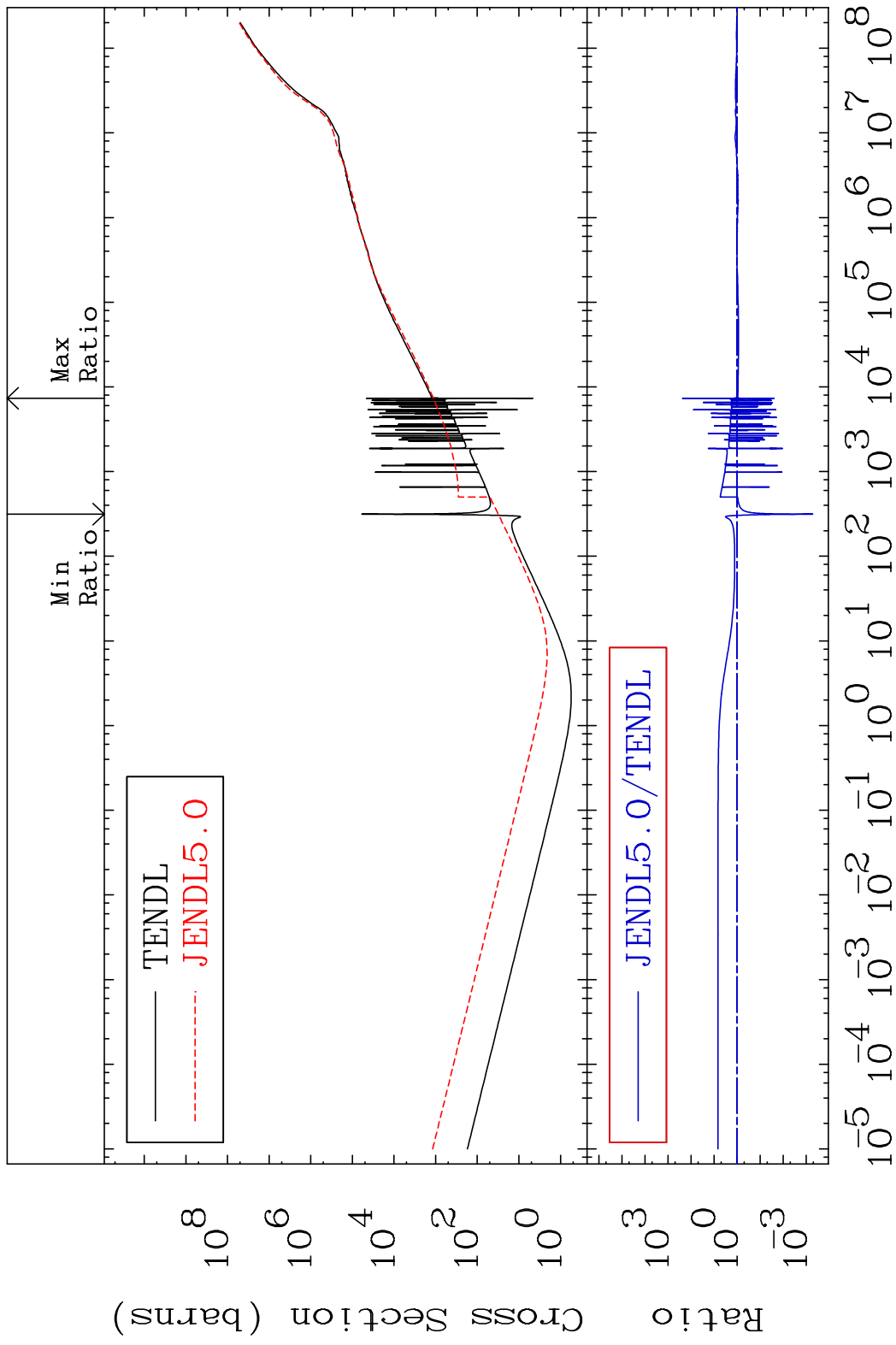


MAT 4455 Total photon (eV-barns) 44-Ru-106
 Cross Section -100.0 To 9999. %

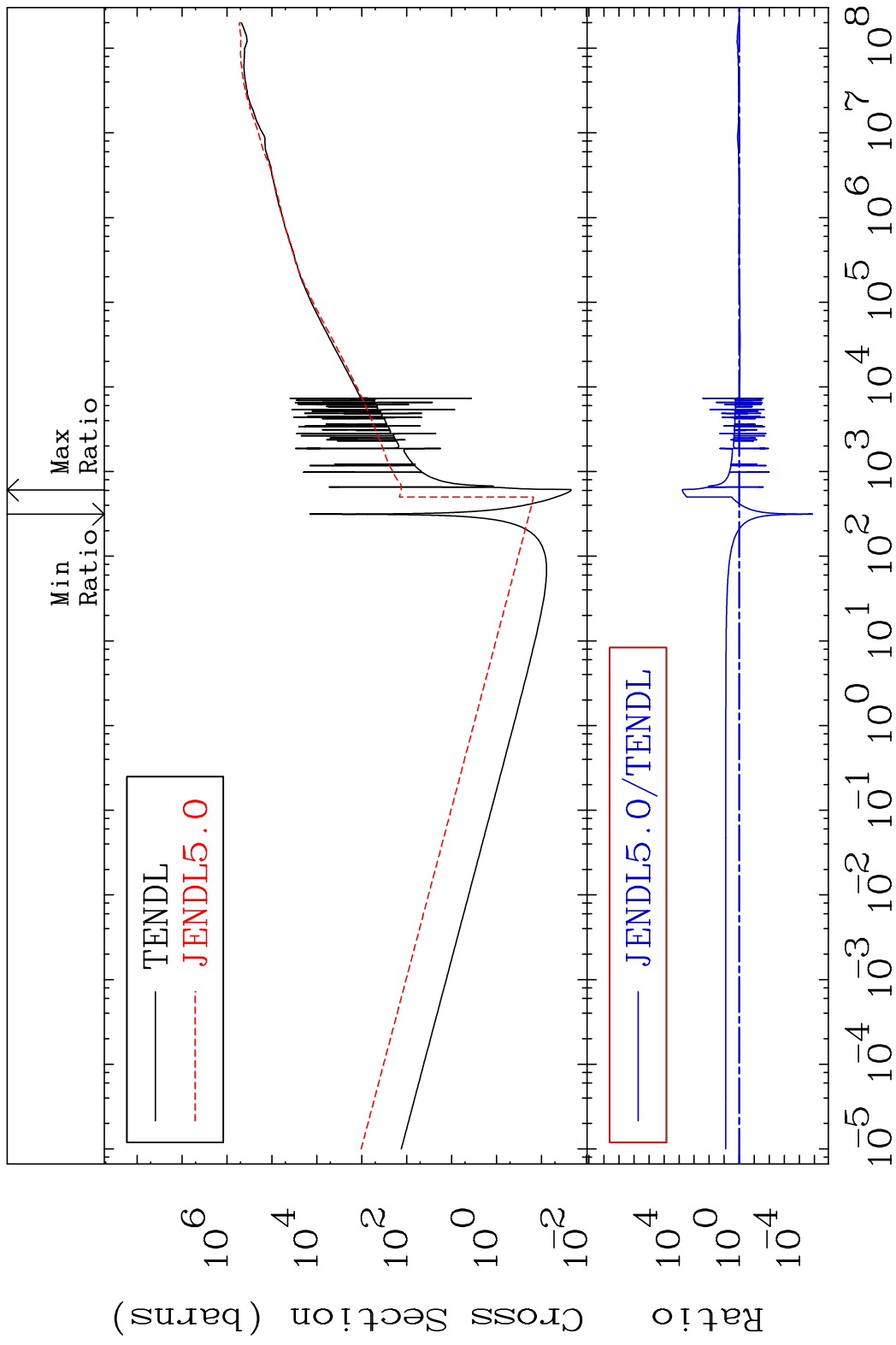


35 Incident Energy (eV) 44-Ru-106

MAT 4455 Total kinematic kerma (high limit) 44-Ru-106
 Cross Section -99.95 To 9999. %



MAT 4455 Dpa total (eV-barns) 44-Ru-106
 Cross Section -100.0 To 9999. %

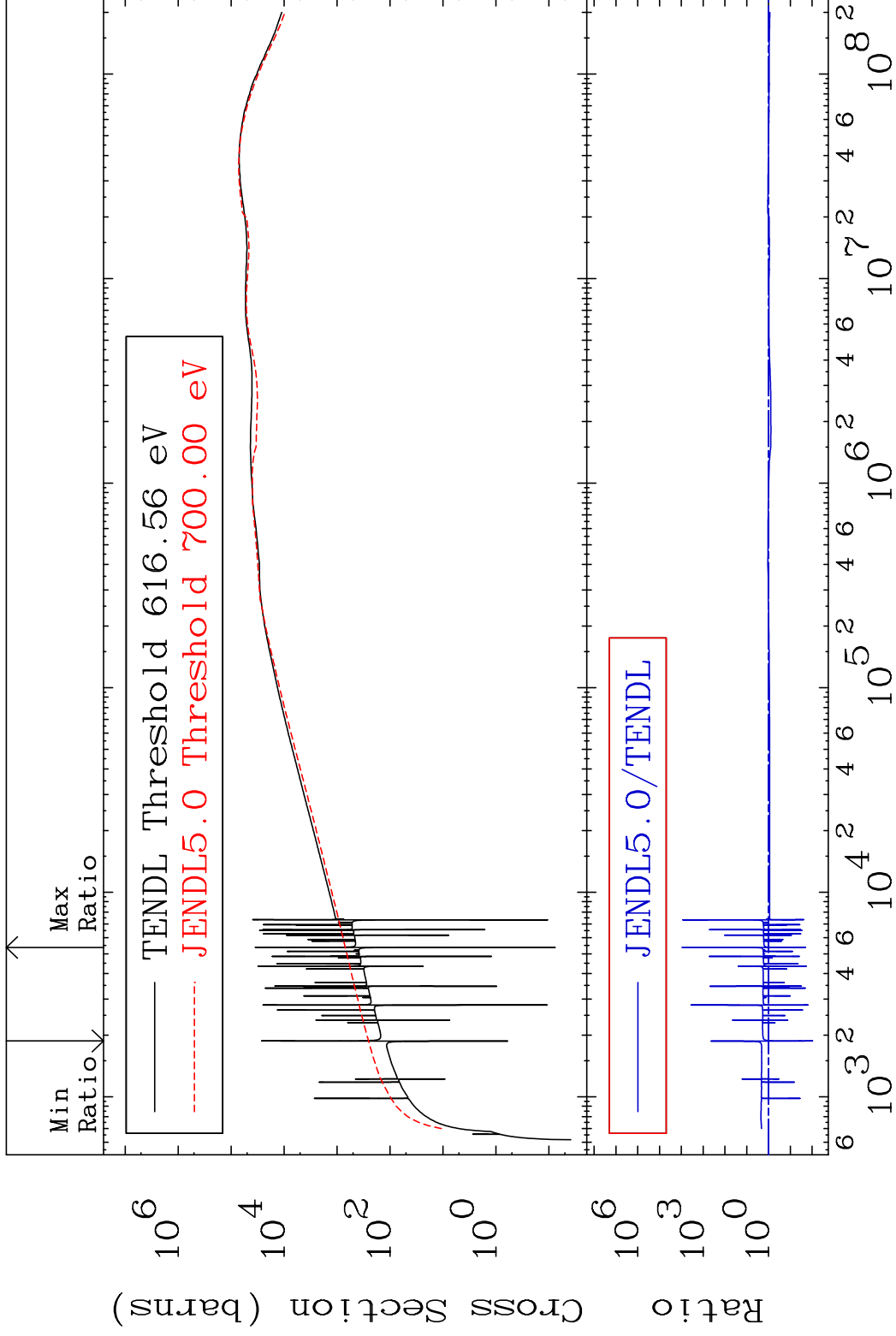


MAT 4455

Dpa elastic (mt2)

44-Ru-106

Cross Section -99.04 To 9999. %

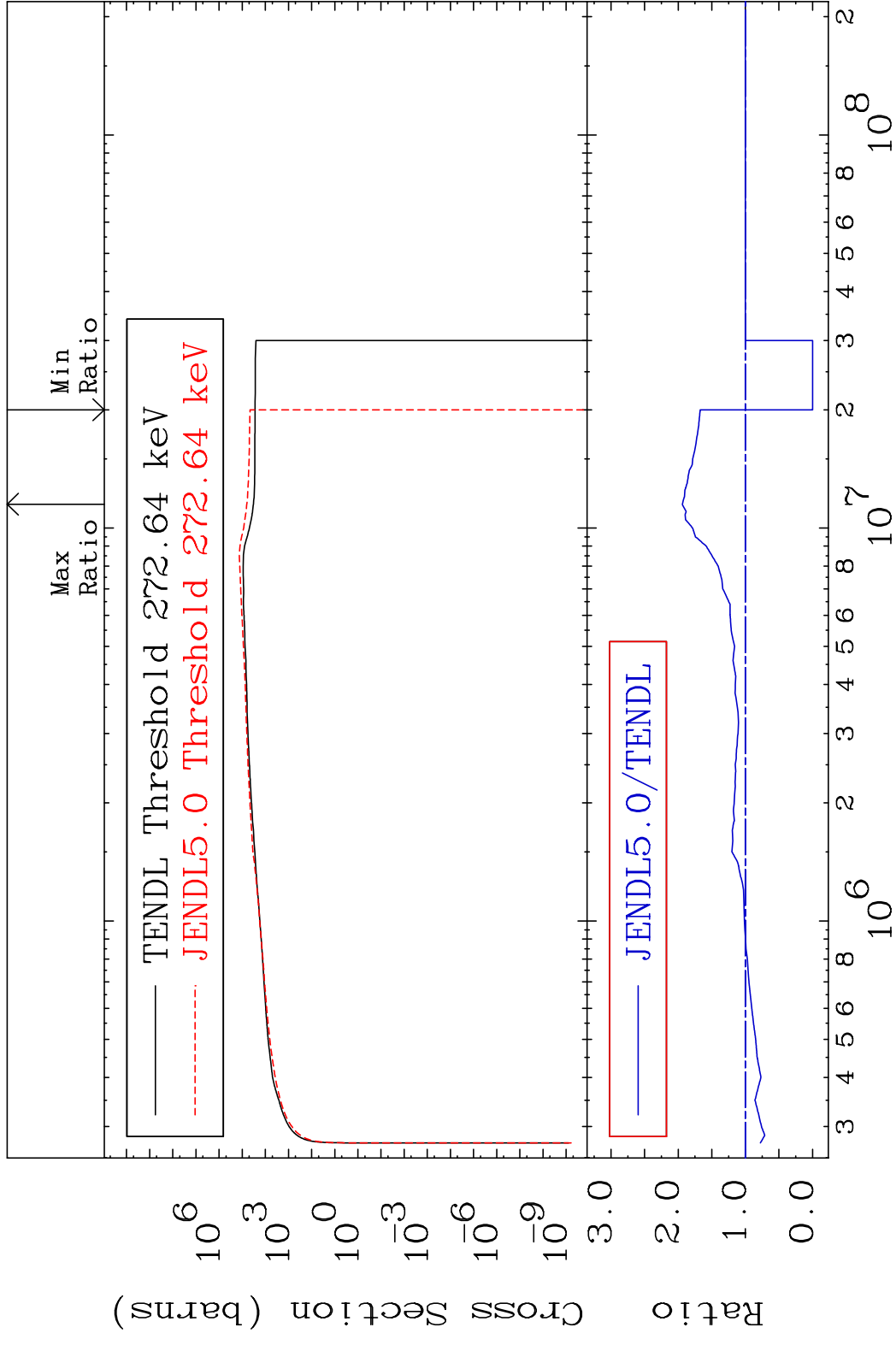


38

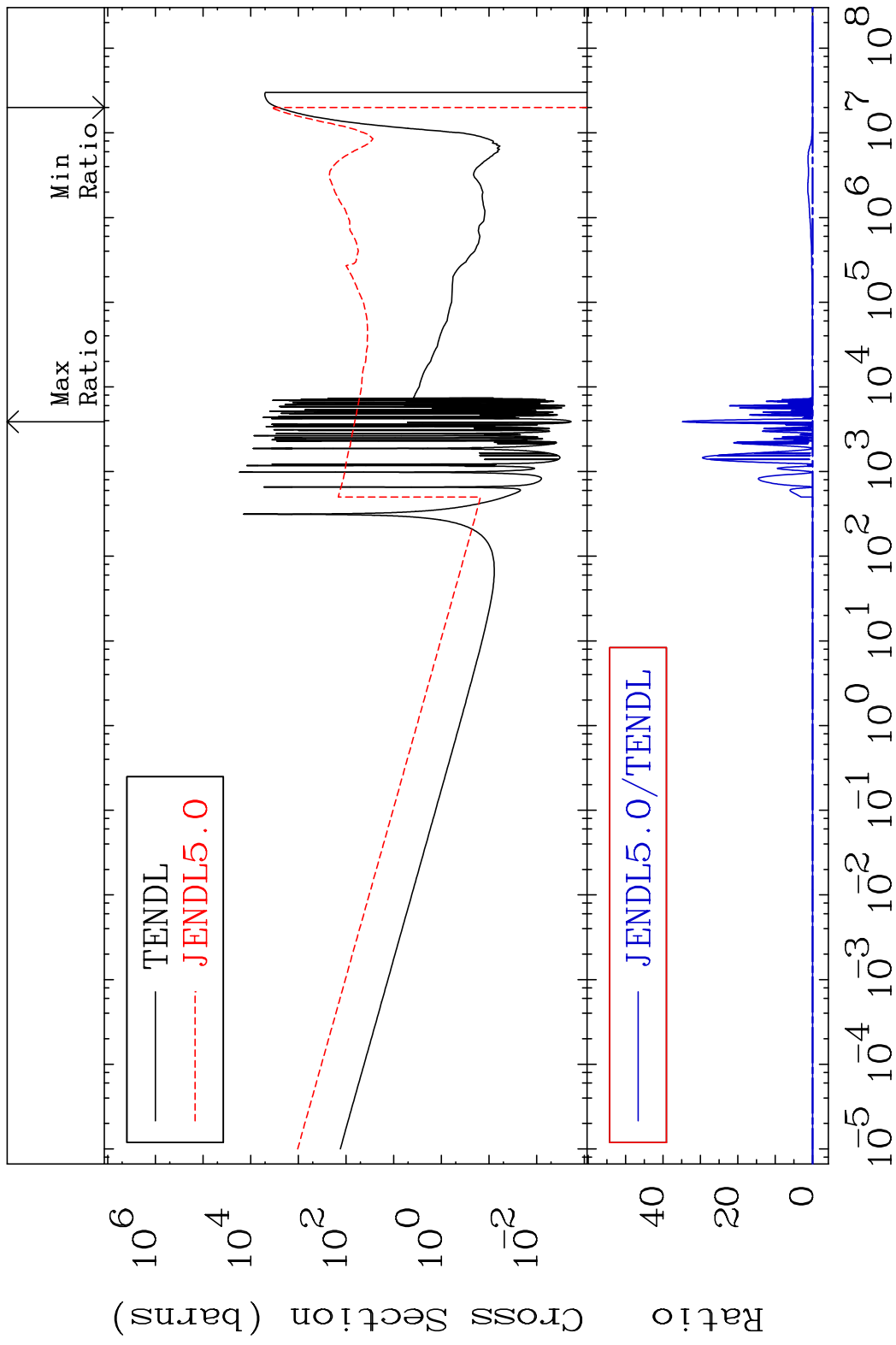
Incident Energy (eV)

44-Ru-106

MAT 4455 Dpa inelastic (mt51-91) 44-Ru-106
 Cross Section -100.0 To 93.82 %



MAT 4455 Dpa disappearance (mt102 -120) 44-Ru-106
 Cross Section -100.0 To 9999. %



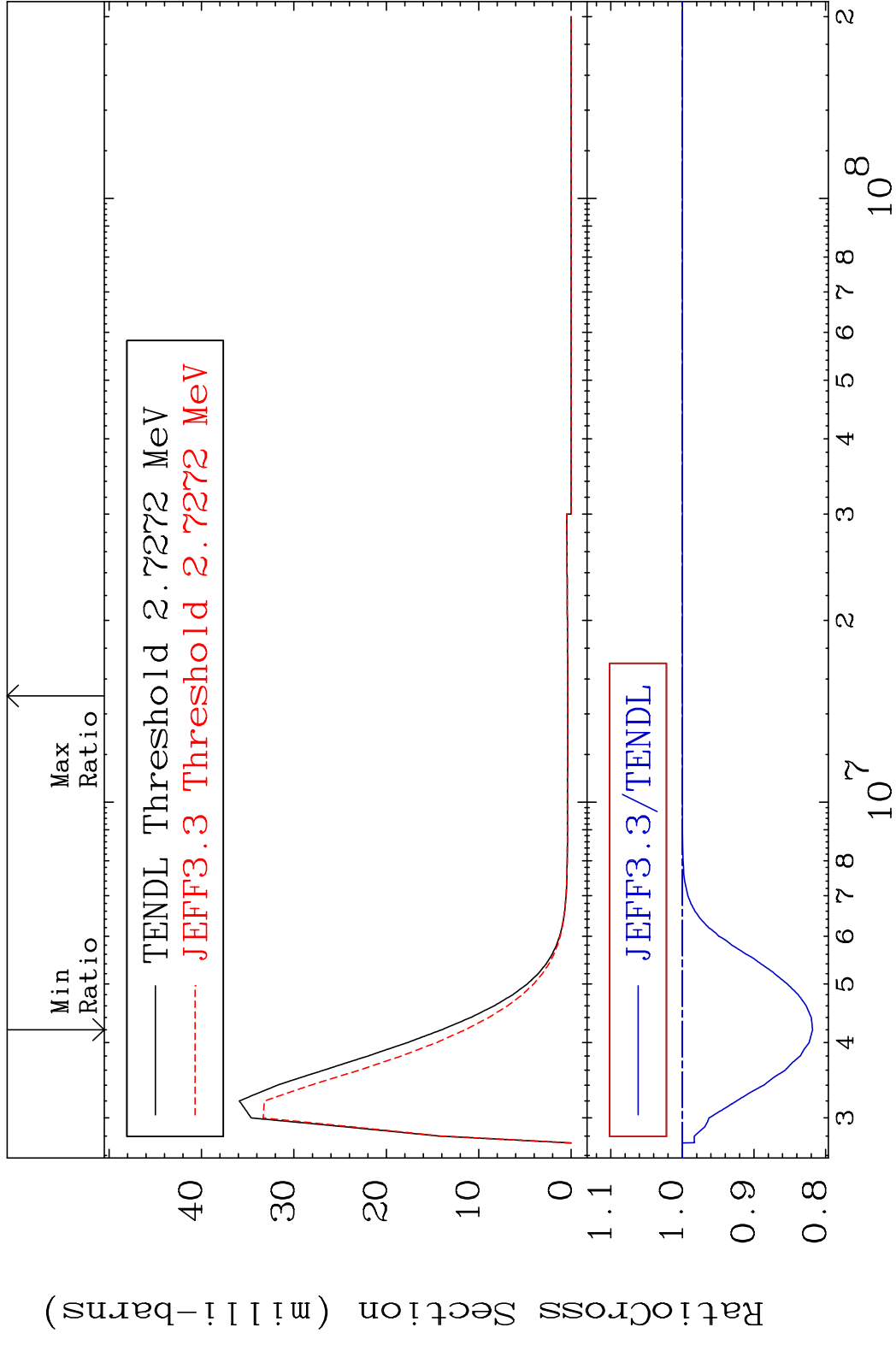
40 Incident Energy (eV) 44-Ru-106

MAT 4455

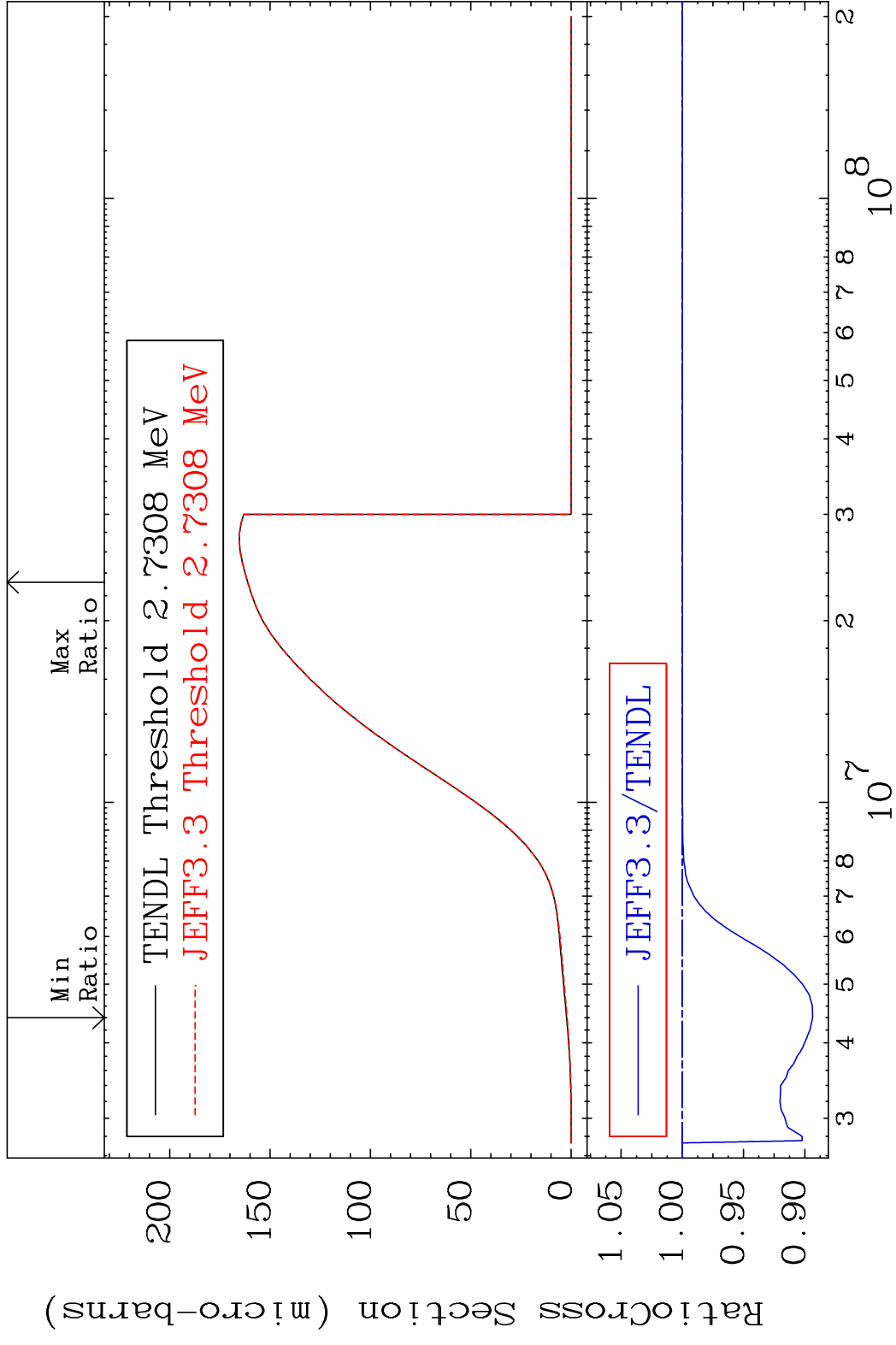
MT= 74 (n, n') Level

44-Ru-106

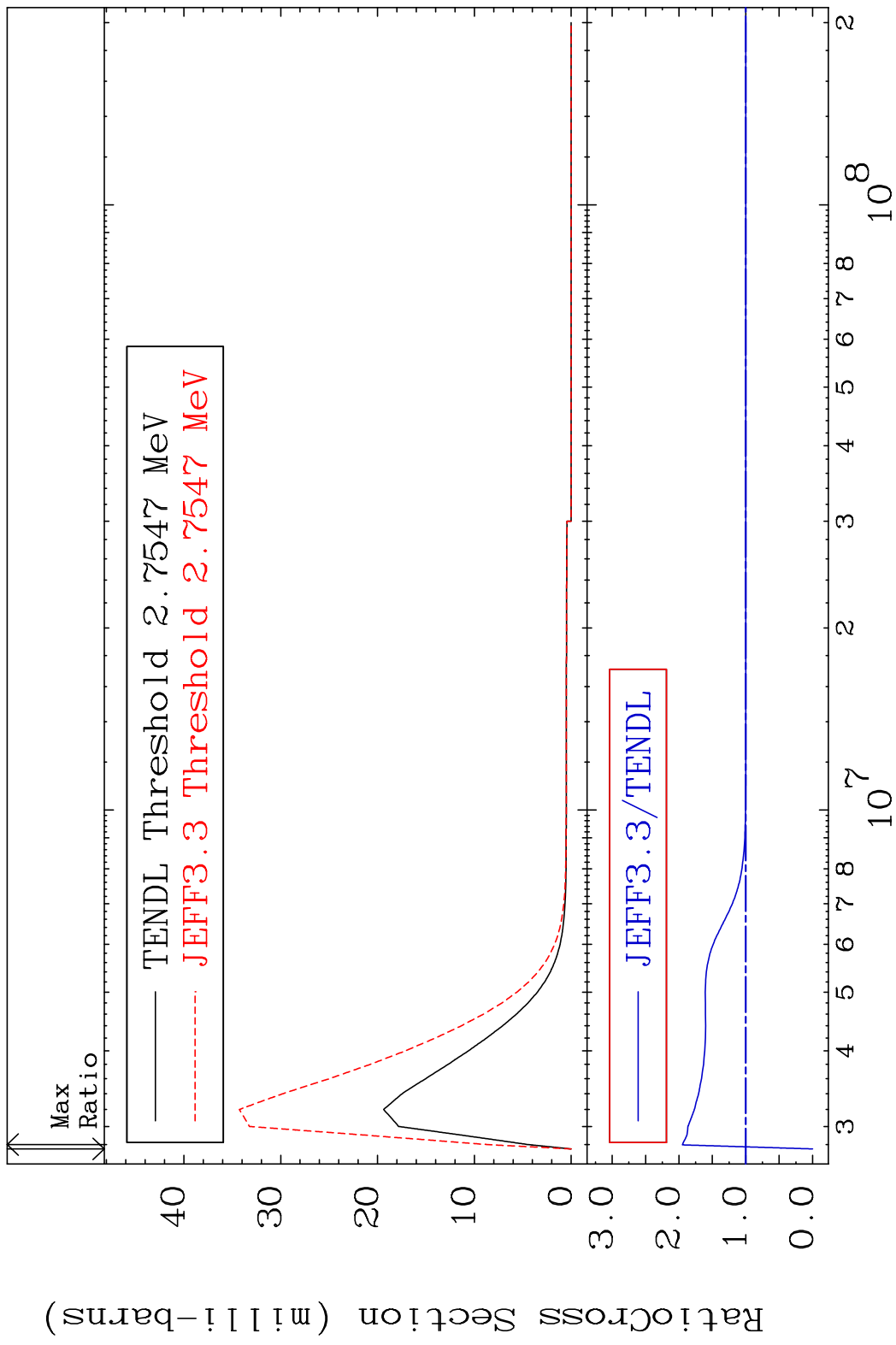
Cross Section -18.18 To 0.000 %



MAT 4455 MT= 75 (n, n') Level 44-Ru-106
 Cross Section -10.63 To 0.000 %

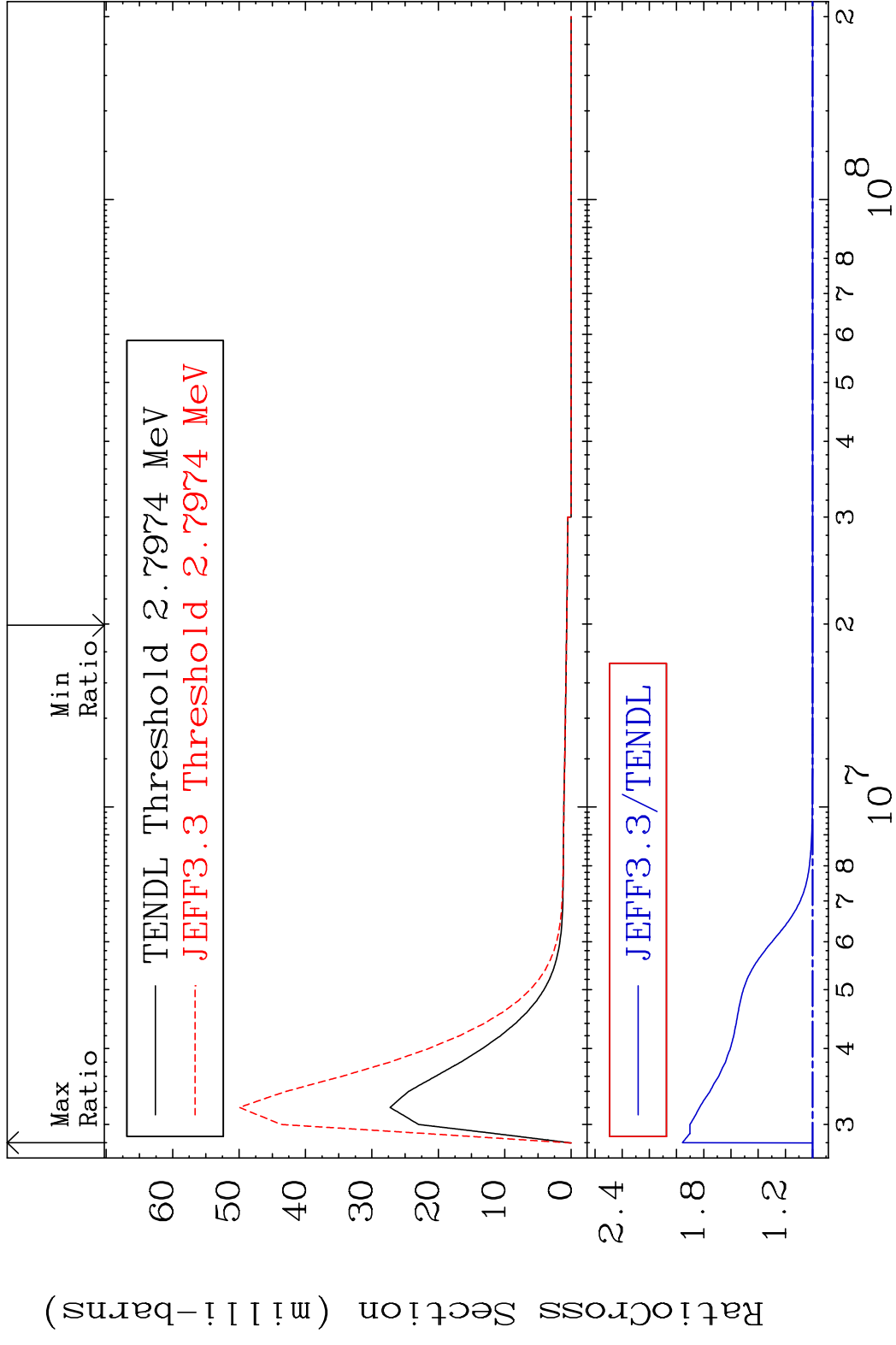


MAT 4455 MT= 76 (n, n') Level 44-Ru-106
 Cross Section -100.0 To 94.93 %



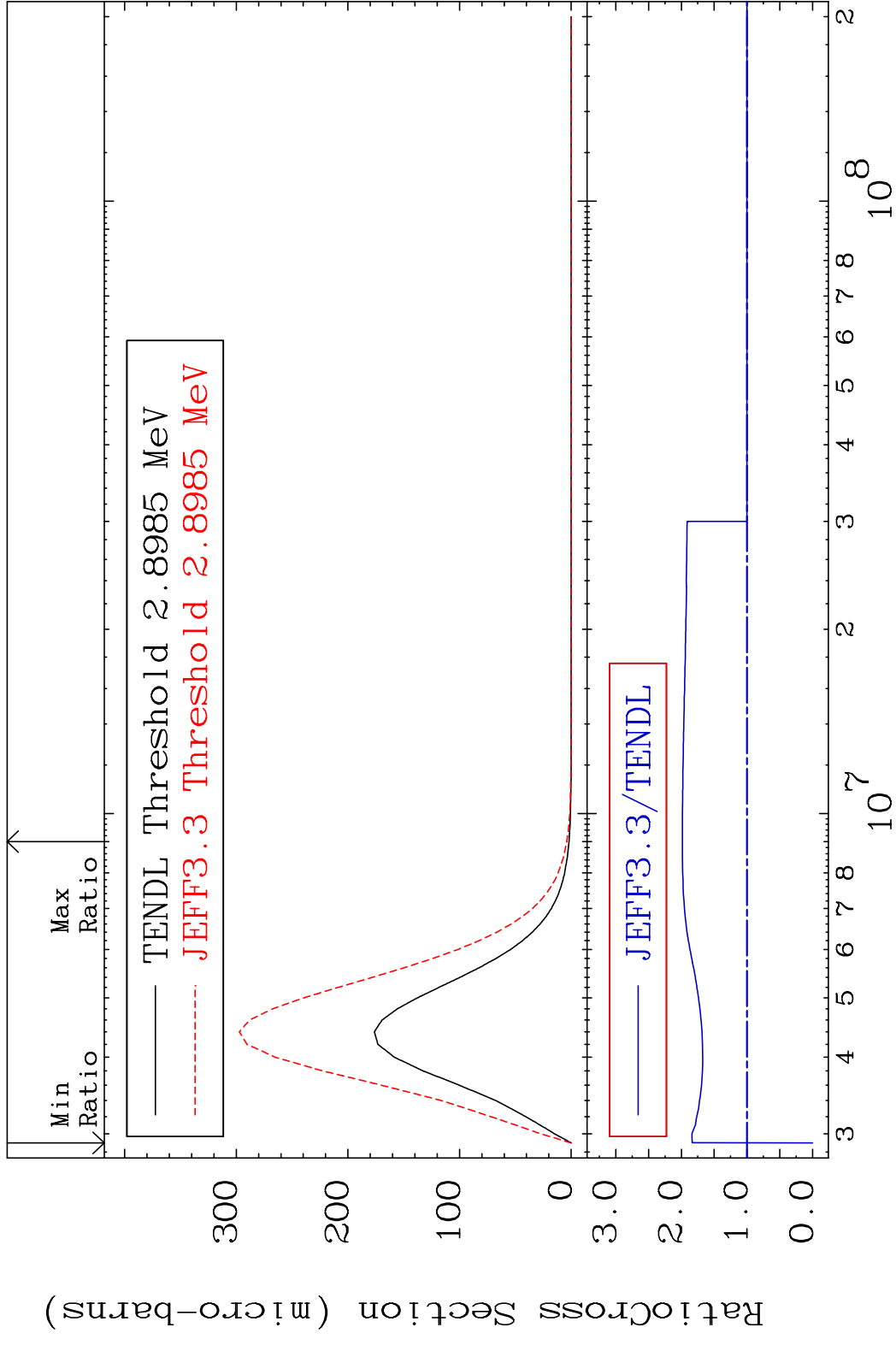
43 Incident Energy (eV) 44-Ru-106

MAT 4455 MT= 77 (n,n') Level 44-Ru-106
 Cross Section 0.000 To 95.74 %

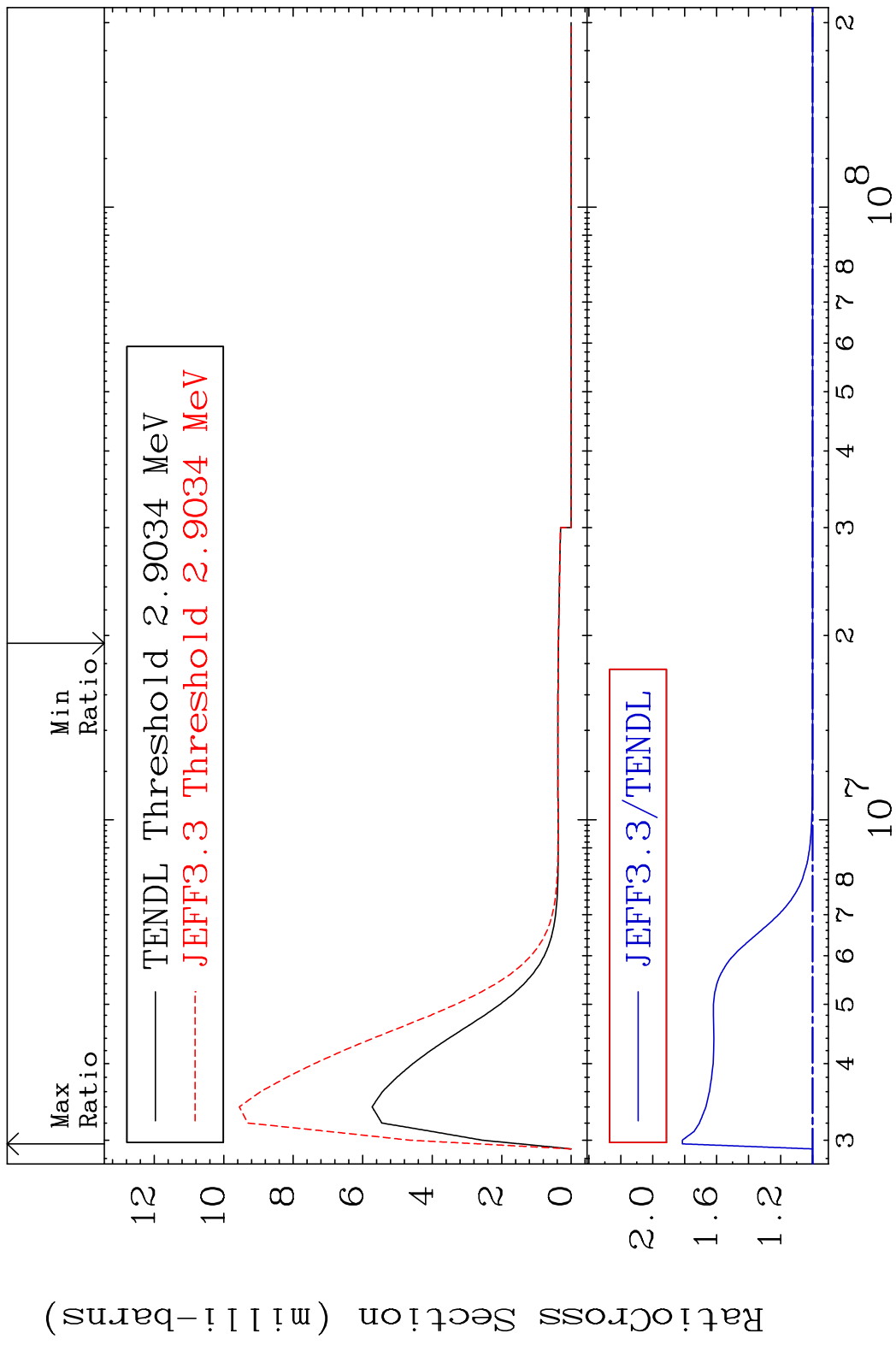


44 Incident Energy (eV) 44-Ru-106

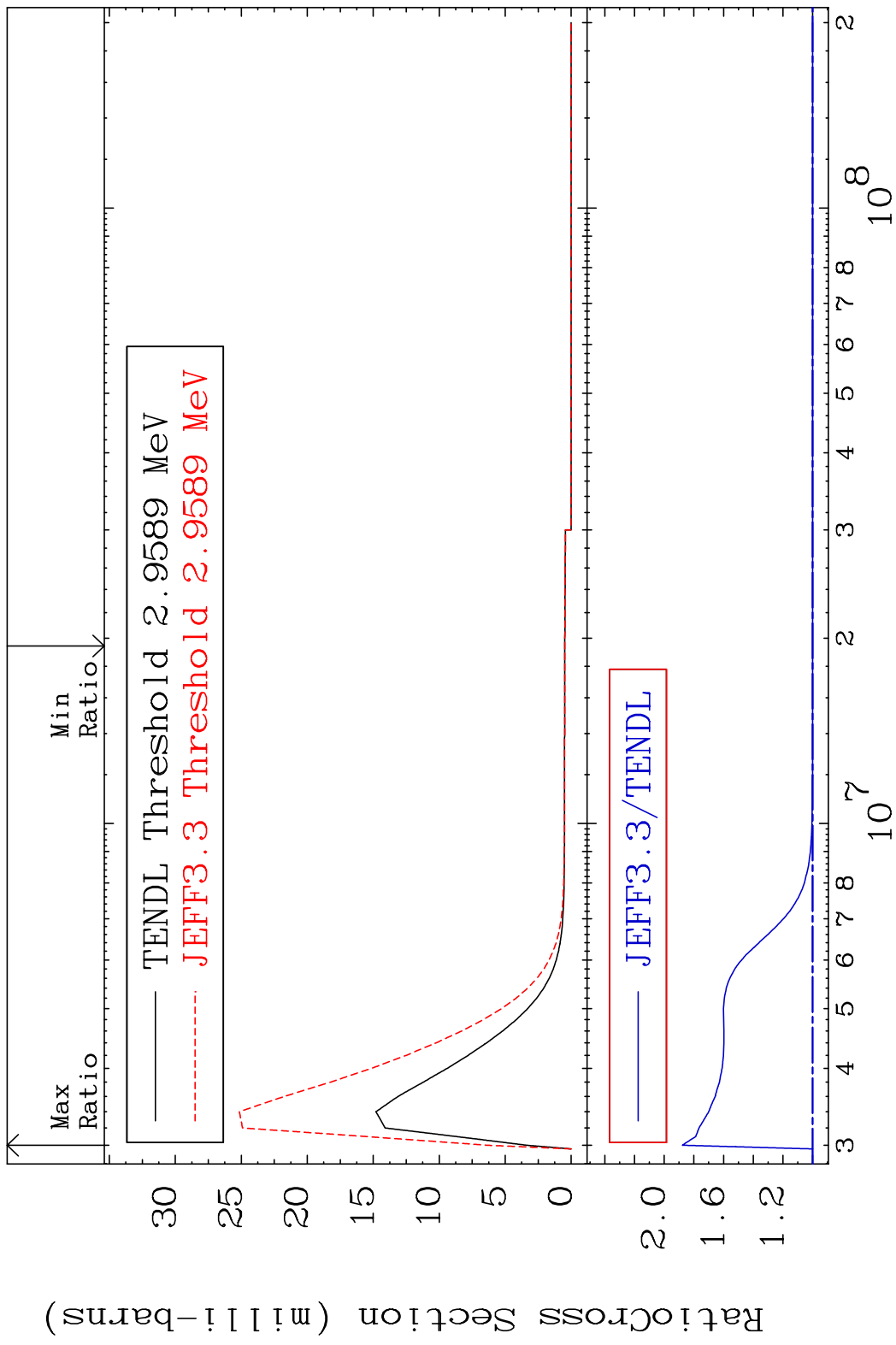
MAT 4455 MT= 78 (n, n') Level 44-Ru-106
 Cross Section -100.0 To 98.49 %



MAT 4455 MT= 79 (n,n') Level 44-Ru-106
 Cross Section 0.000 To 81.47 %



MAT 4455 MT= 80 (n, n') Level 44-Ru-106
 Cross Section 0.000 To 87.78 %

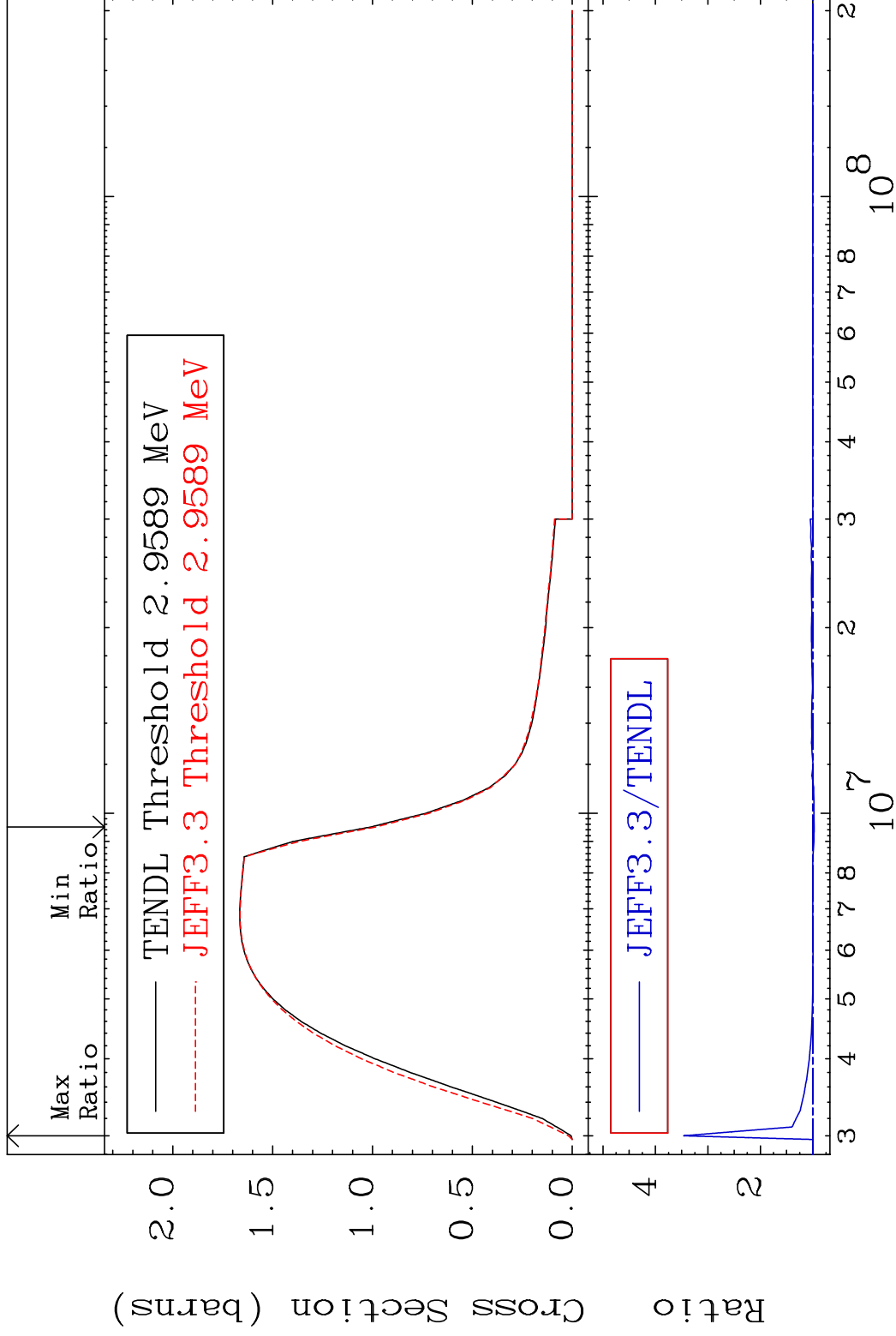


MAT 4455

(n,n') Continuum

44-Ru-106

Cross Section -2.409 To 246.2 %



48

Incident Energy (eV)

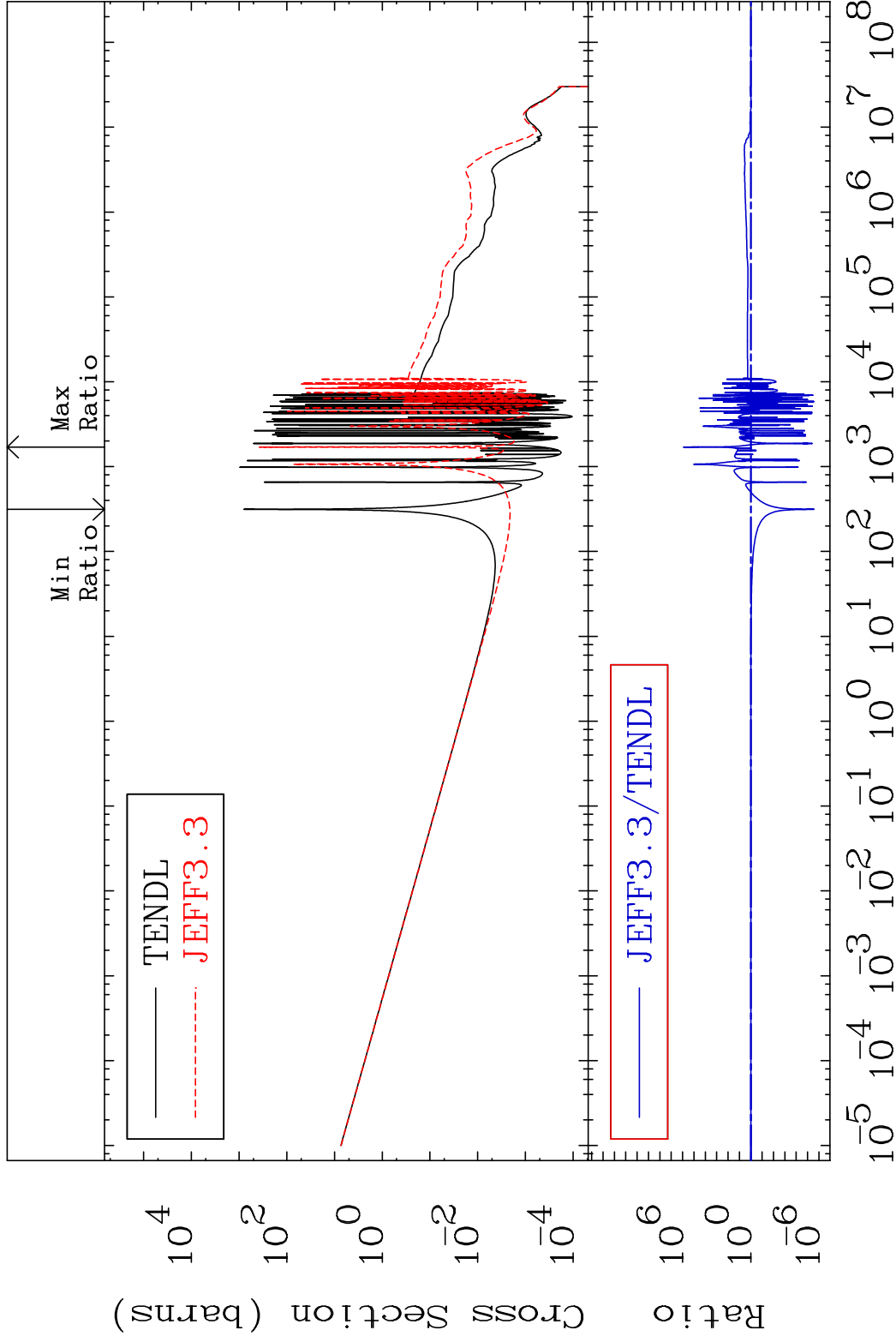
44-Ru-106

MAT 4455

(n, γ)

44-Ru-106

Cross Section -100.0 To 9999. %

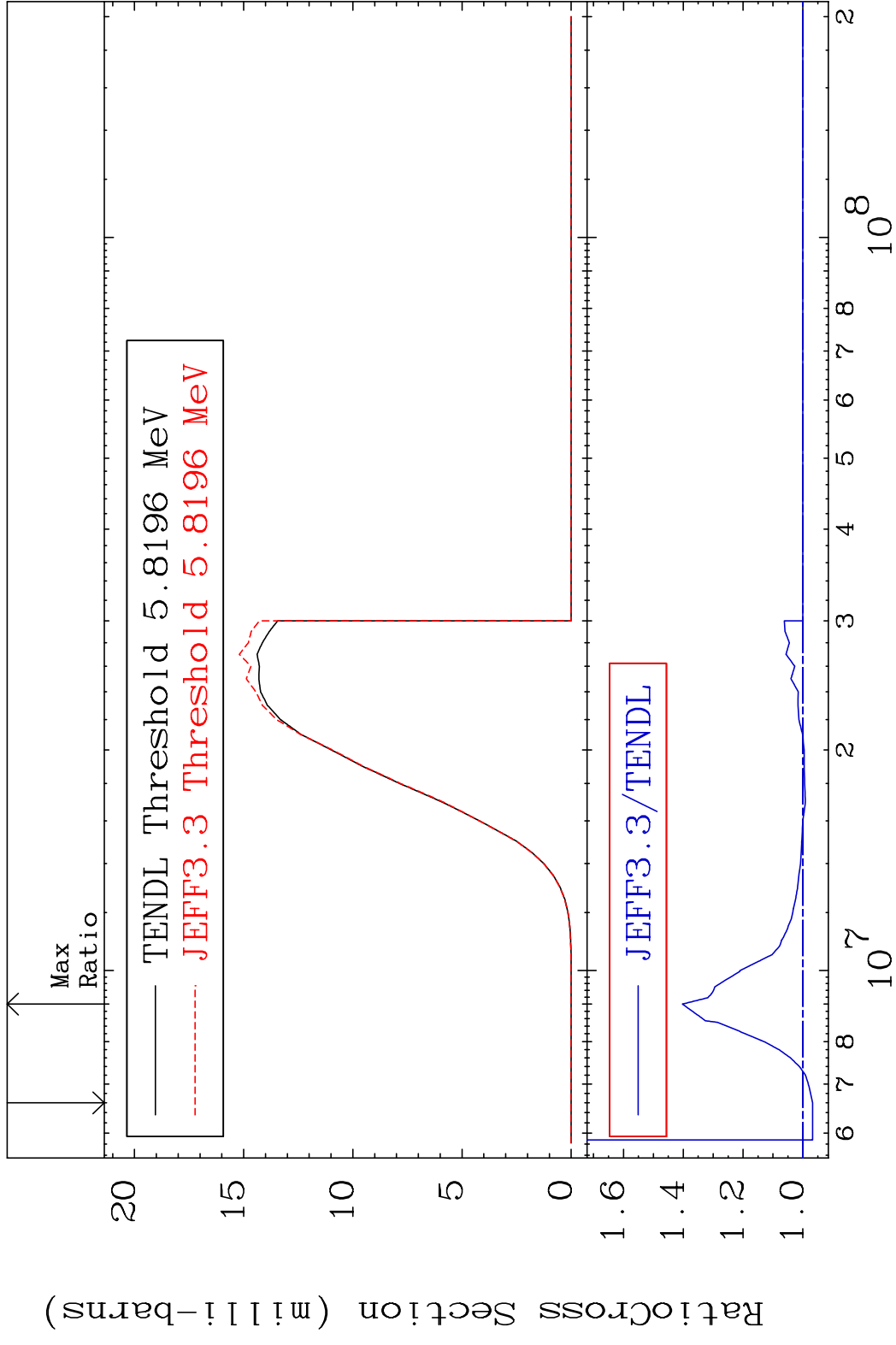


49

Incident Energy (eV)

44-Ru-106

MAT 4455 (n,p) 44-Ru-106
 Cross Section -3.230 To 40.30 %



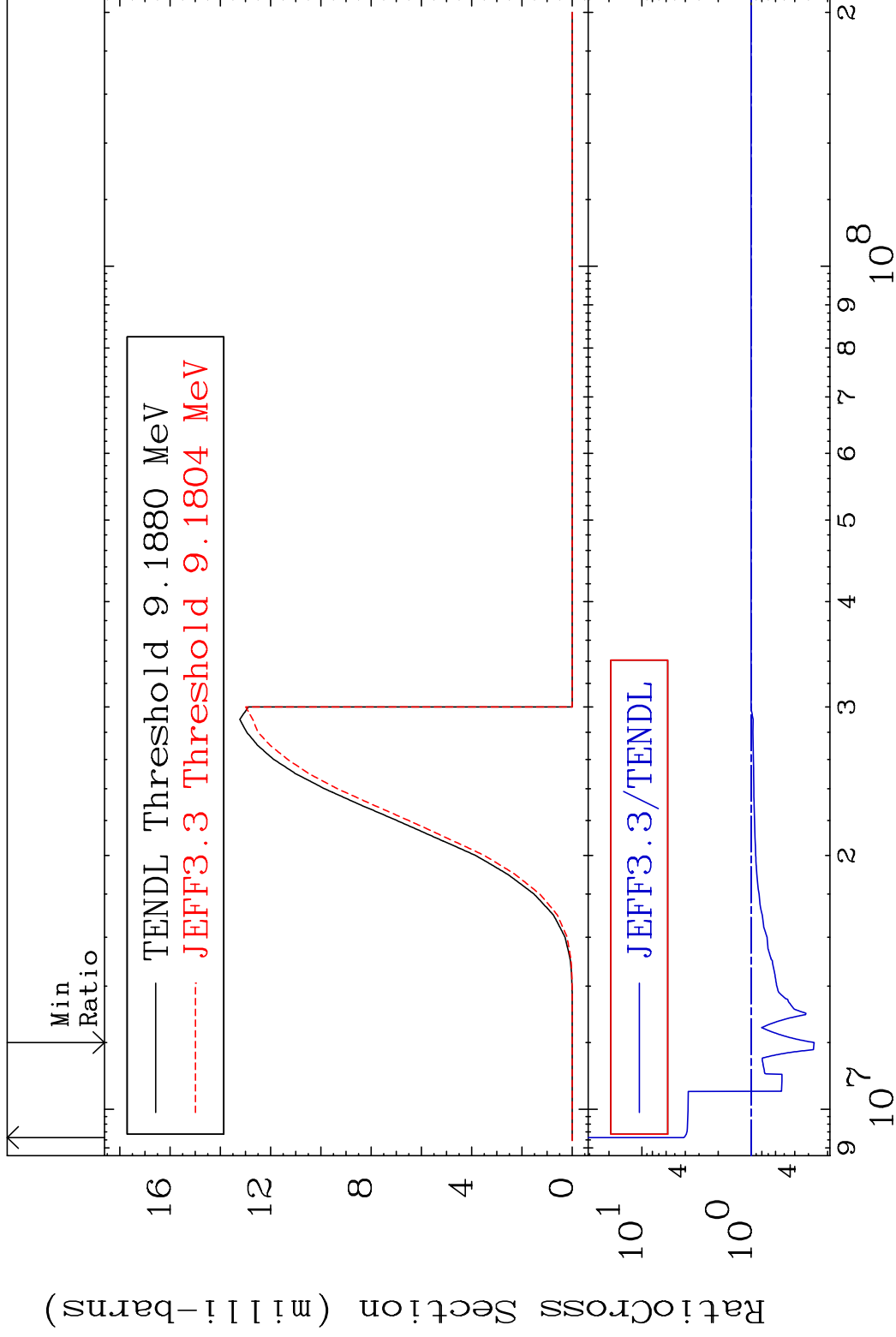
50 44-Ru-106

MAT 4455

(n, d)

44-Ru-106

Cross Section -73.40 To 314.5 %



51

Incident Energy (eV)

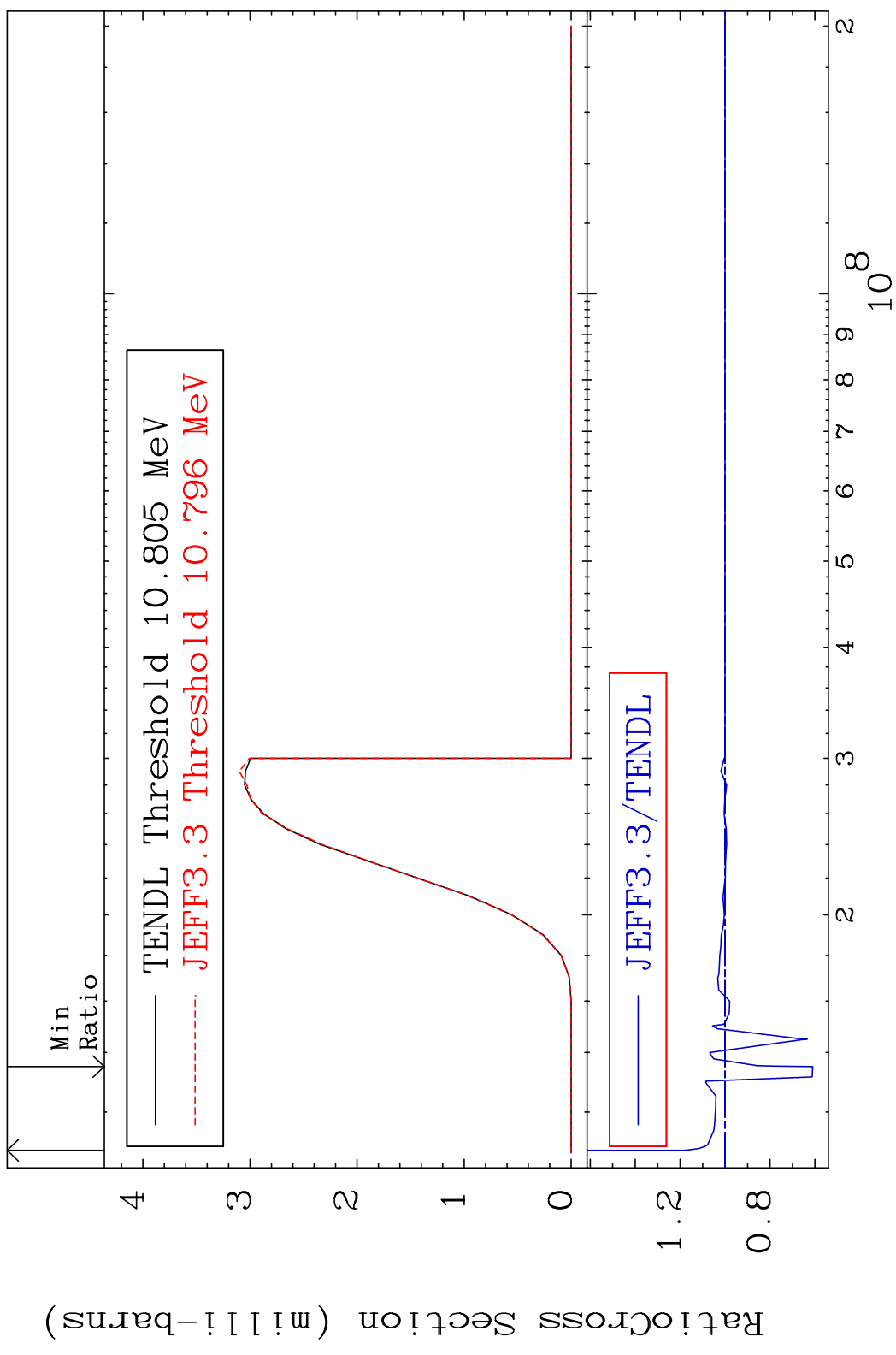
44-Ru-106

MAT 4455

(n, t)

44-Ru-106

Cross Section -38.94 To 19.01 %

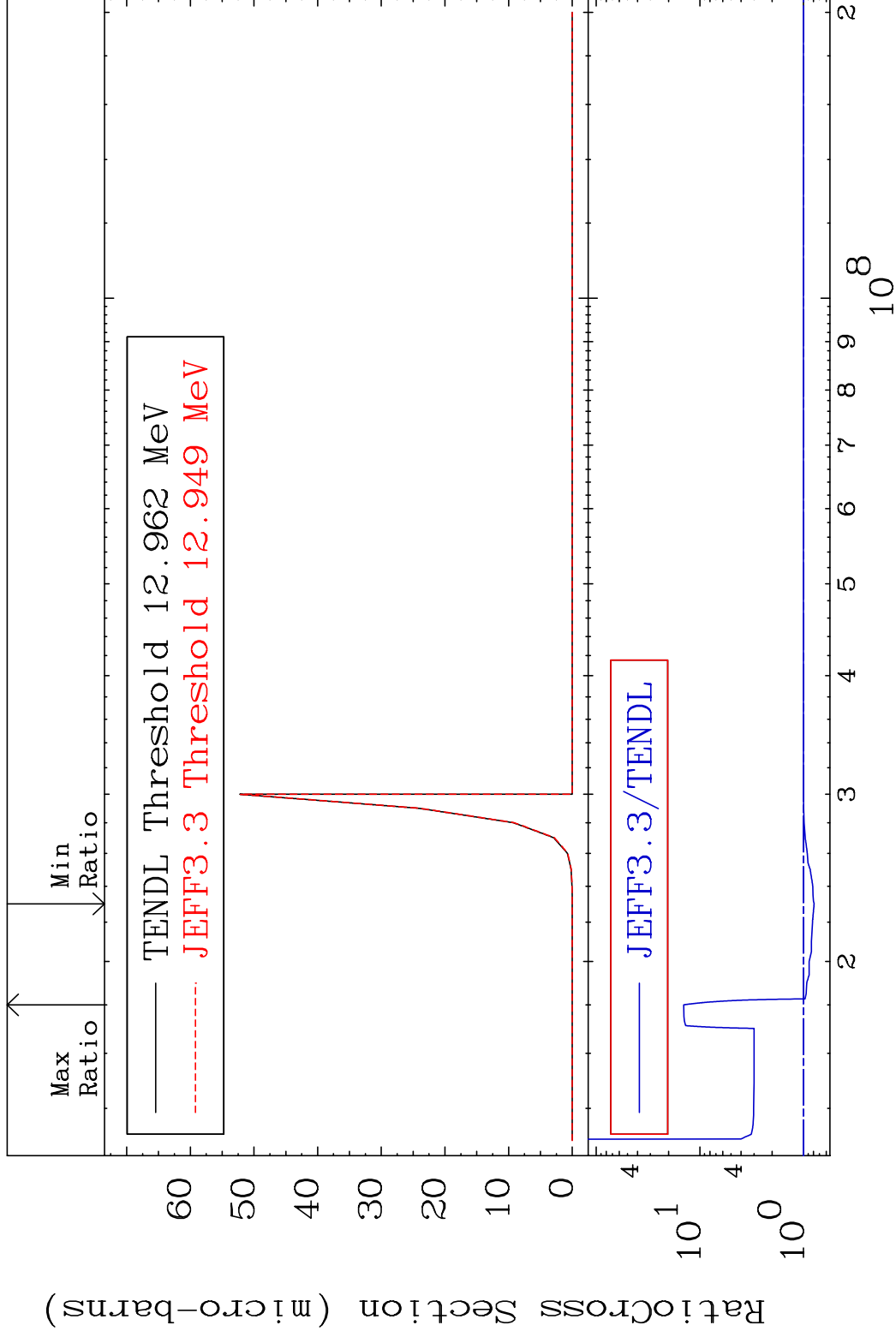


MAT 4455

(n, He-3)

44-Ru-106

Cross Section -21.22 To 1333. %



53

Incident Energy (eV)

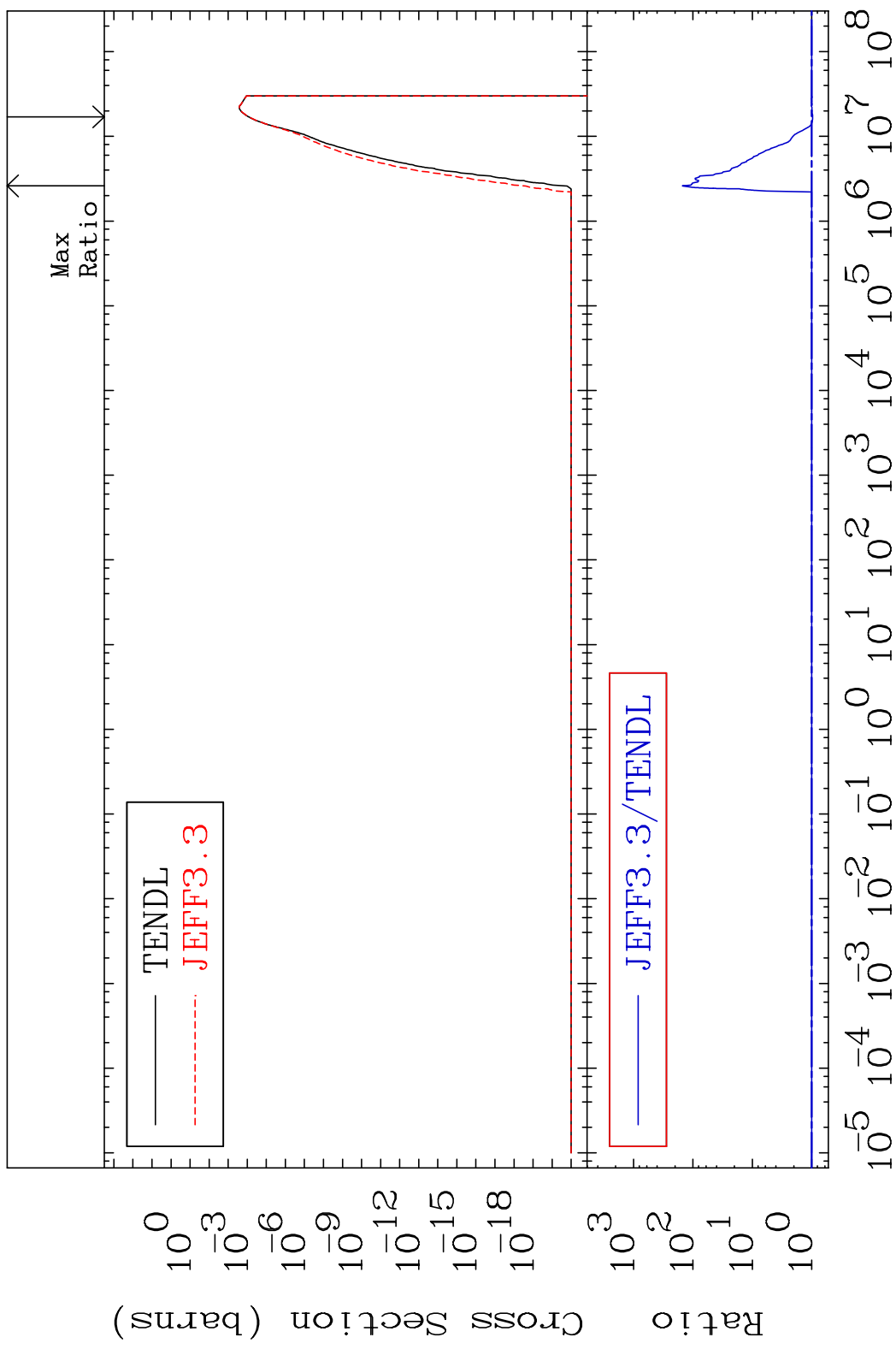
44-Ru-106

MAT 4455

(n, α)

44-Ru-106

Cross Section -3.391 To 9999. %



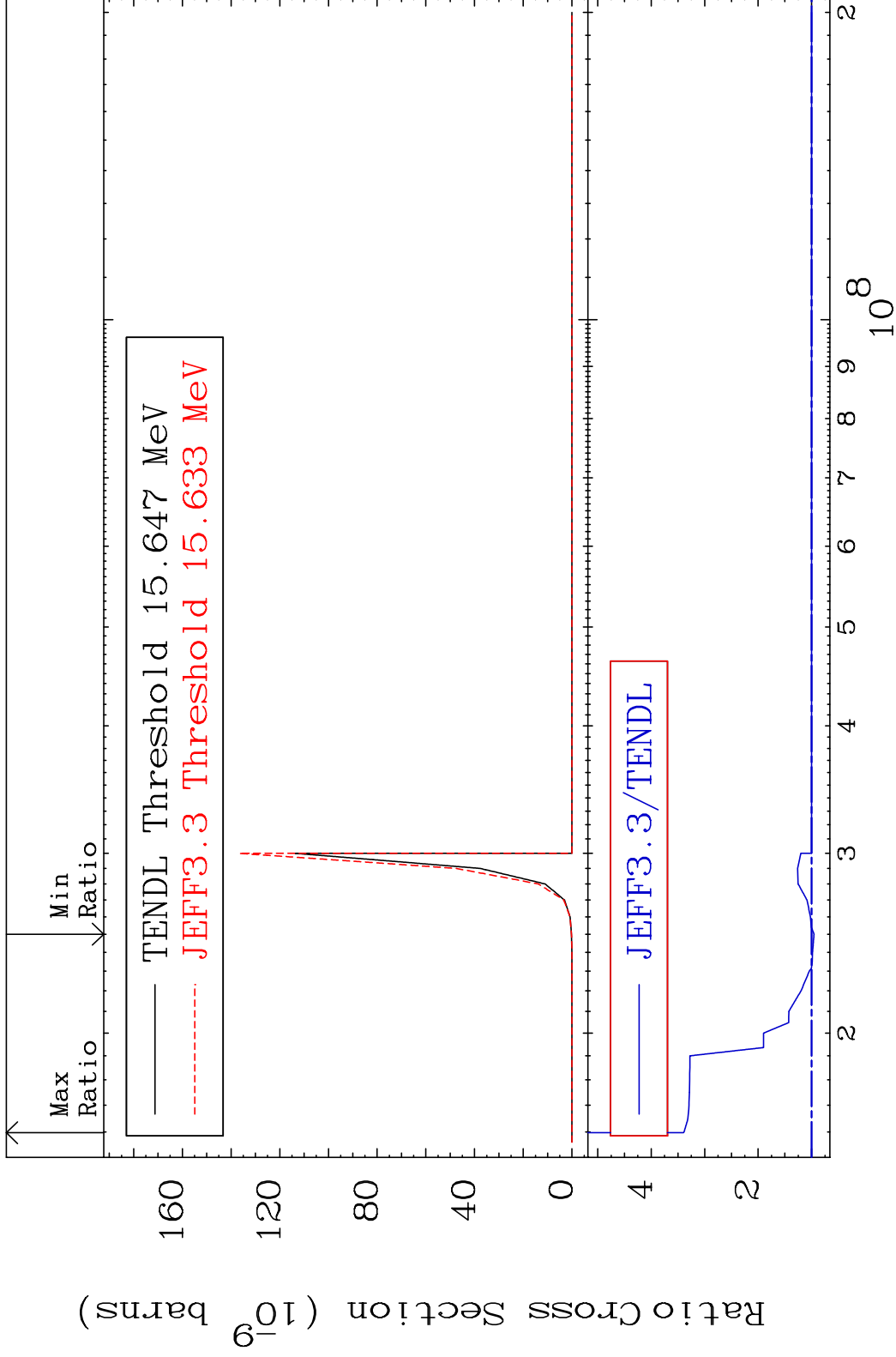
MAT 4455

(n,2p)

44-Ru-106

Cross Section

-4.496 To 239.7 %



55

Incident Energy (eV)

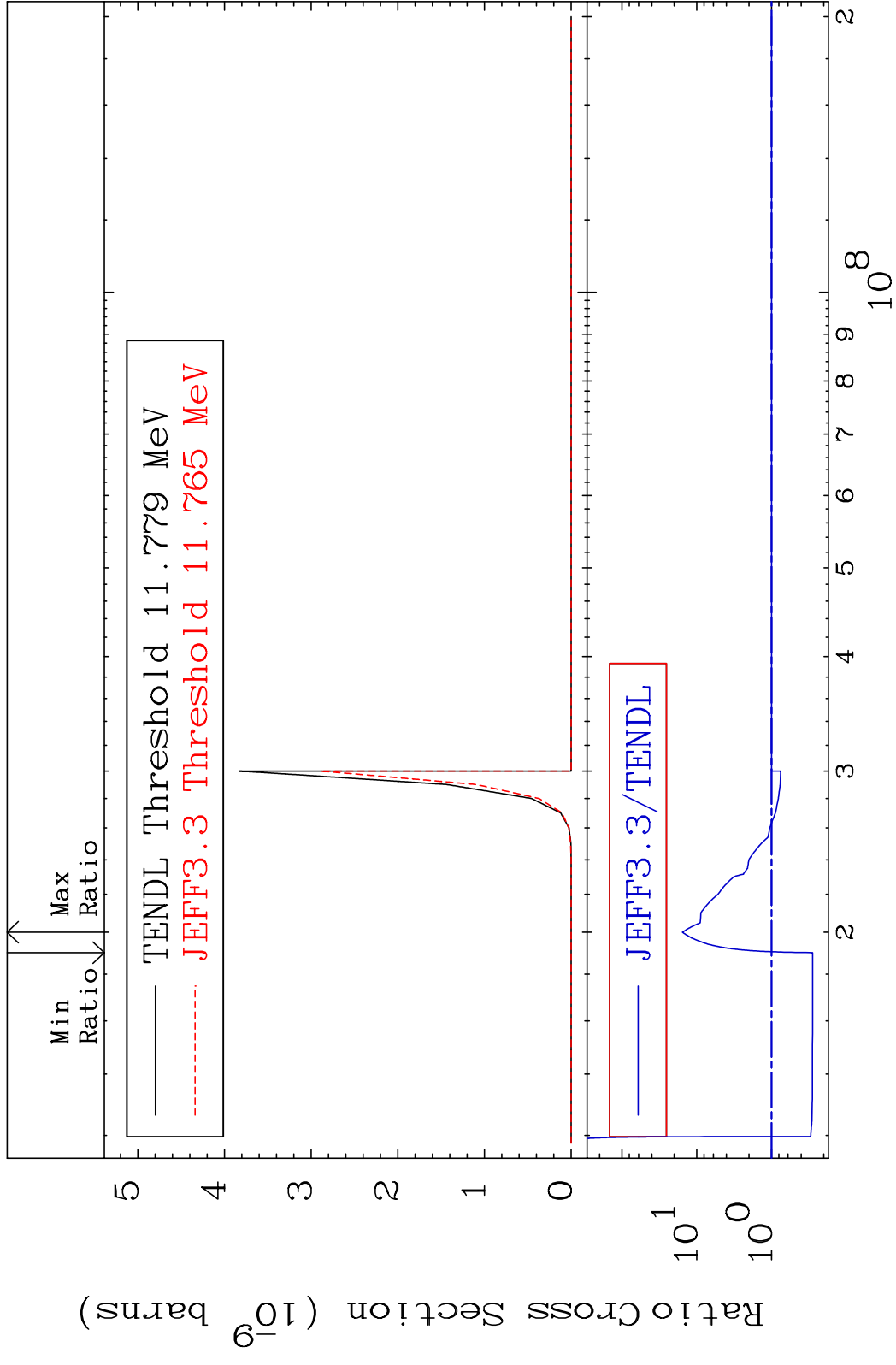
44-Ru-106

MAT 4455

(n,p) α

44-Ru-106

Cross Section -71.77 To 1459. %

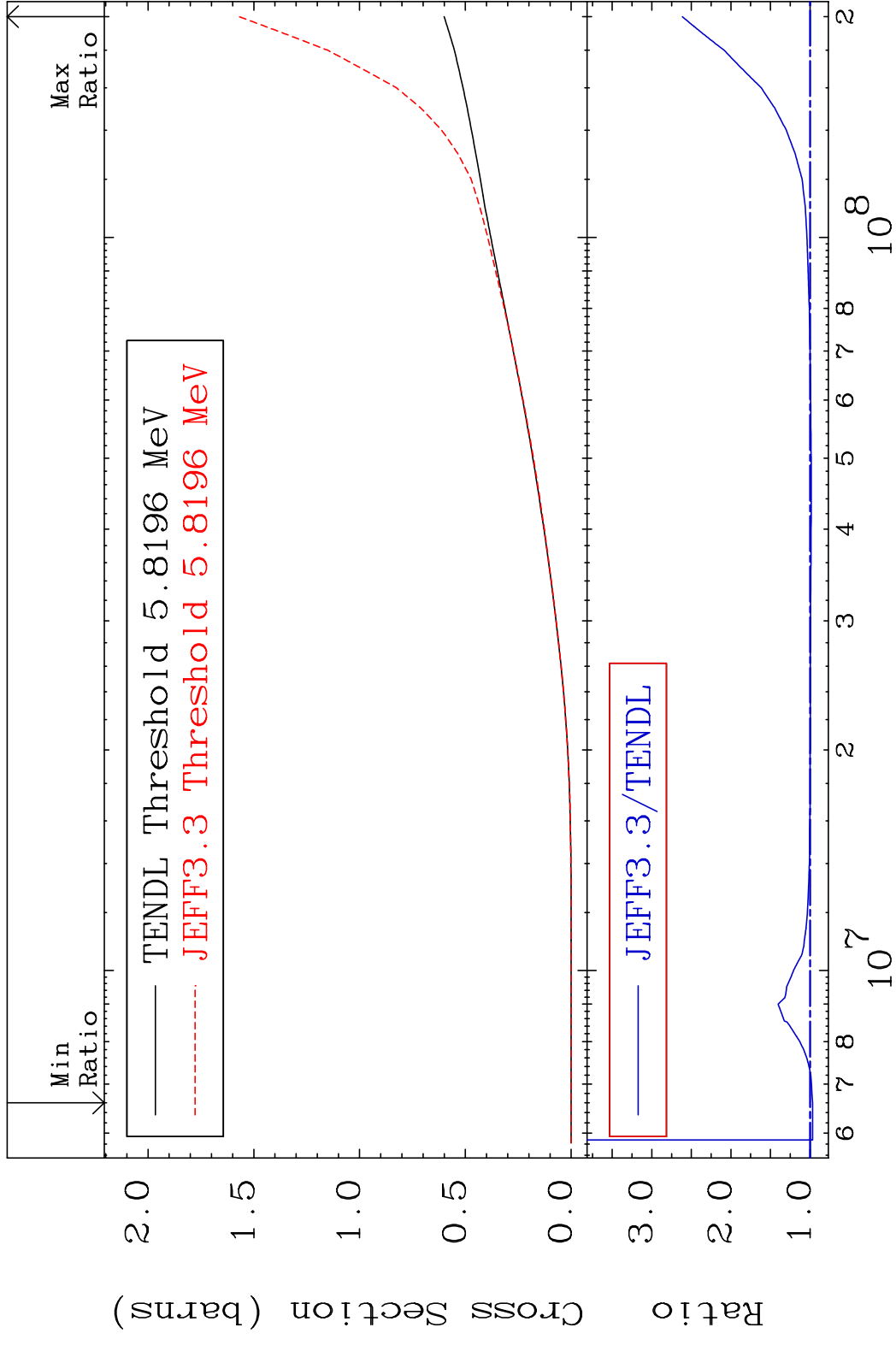


MAT 4455

Hydrogen Production

44-Ru-106

Cross Section -3.230 To 161.4 %

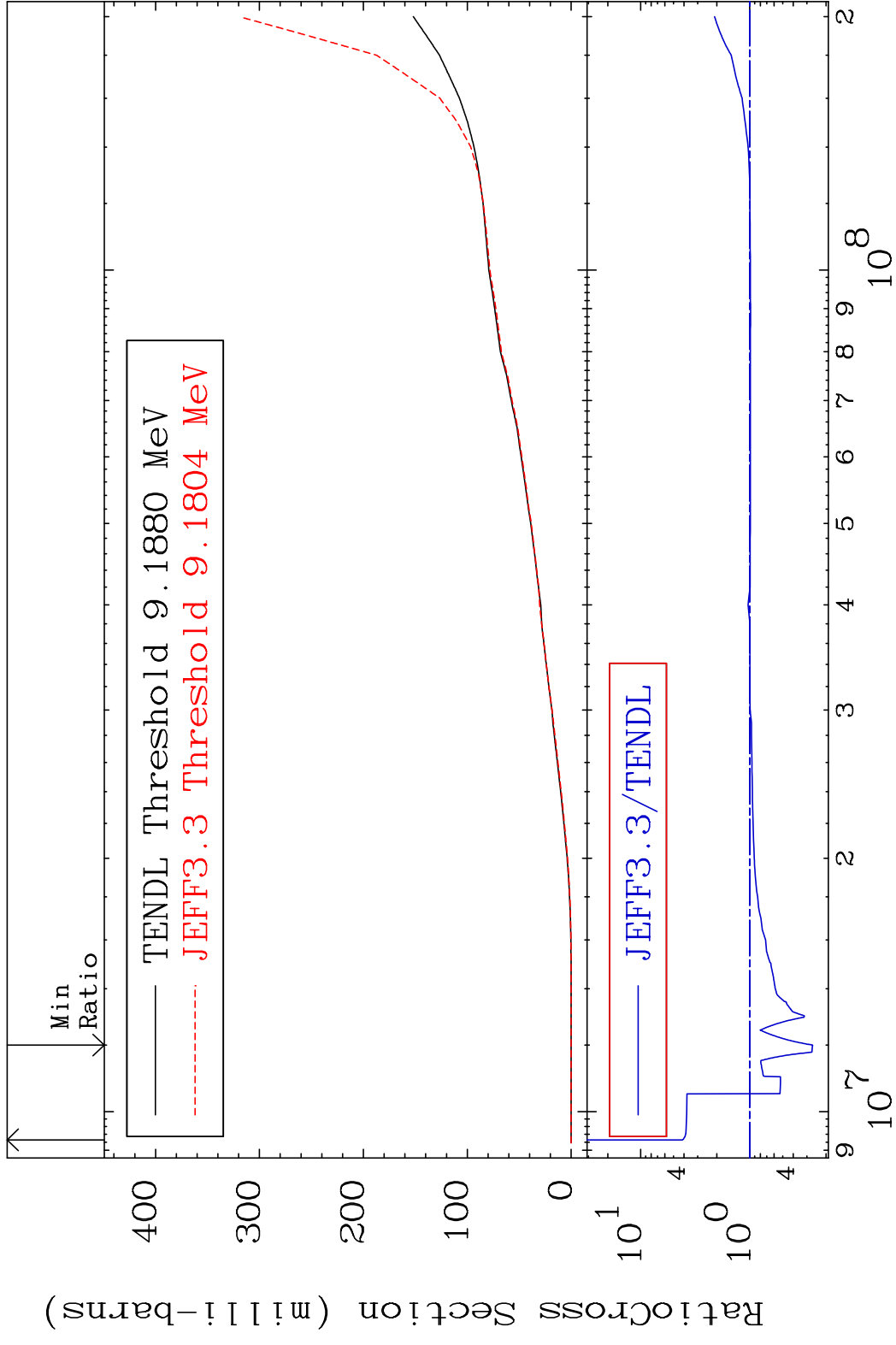


MAT 4455

Deuterium Production

44-Ru-106

Cross Section -73.40 To 314.5 %



58

Incident Energy (eV)

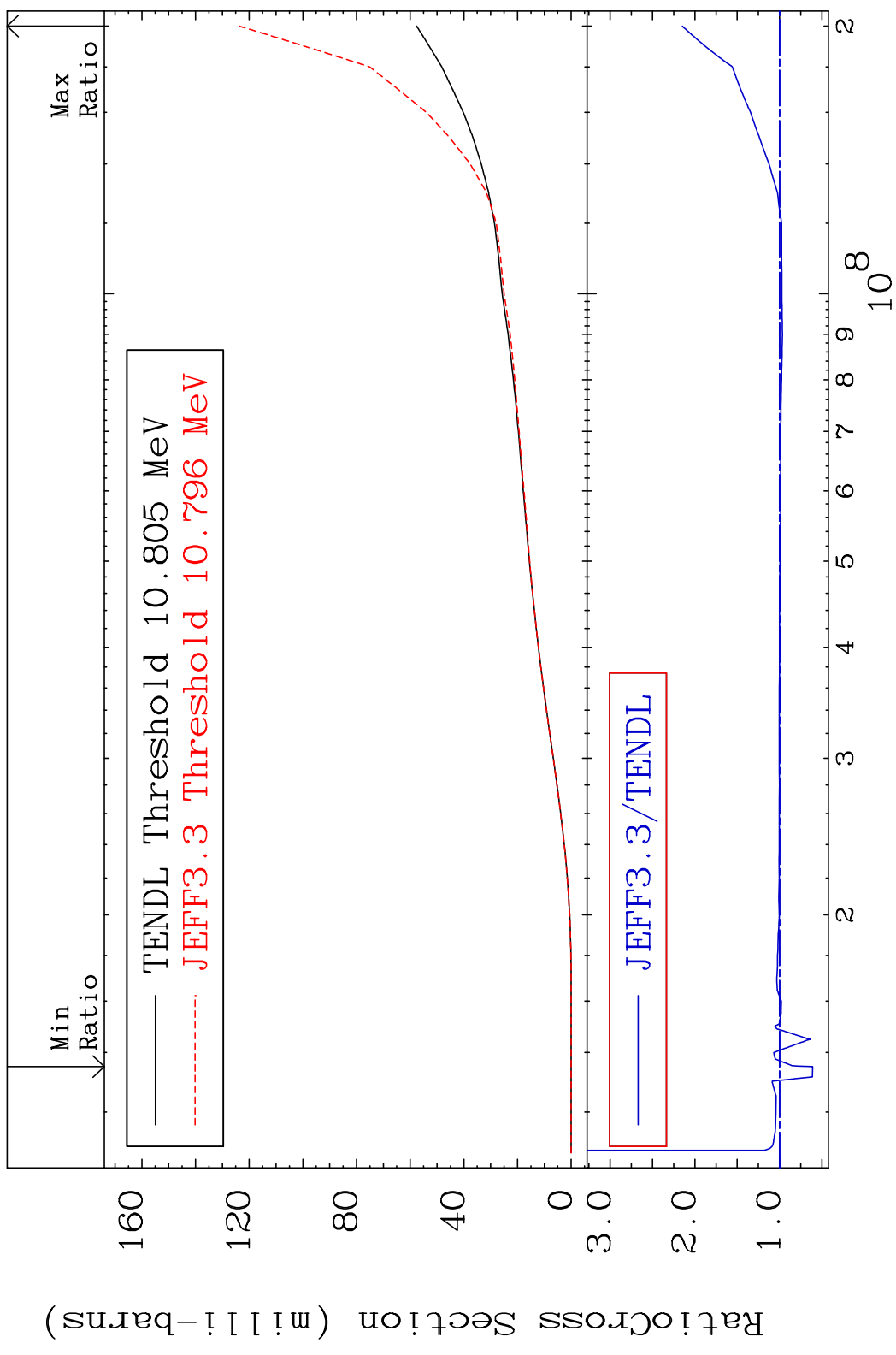
44-Ru-106

MAT 4455

Tritium Production

44-Ru-106

Cross Section -38.94 To 114.8 %

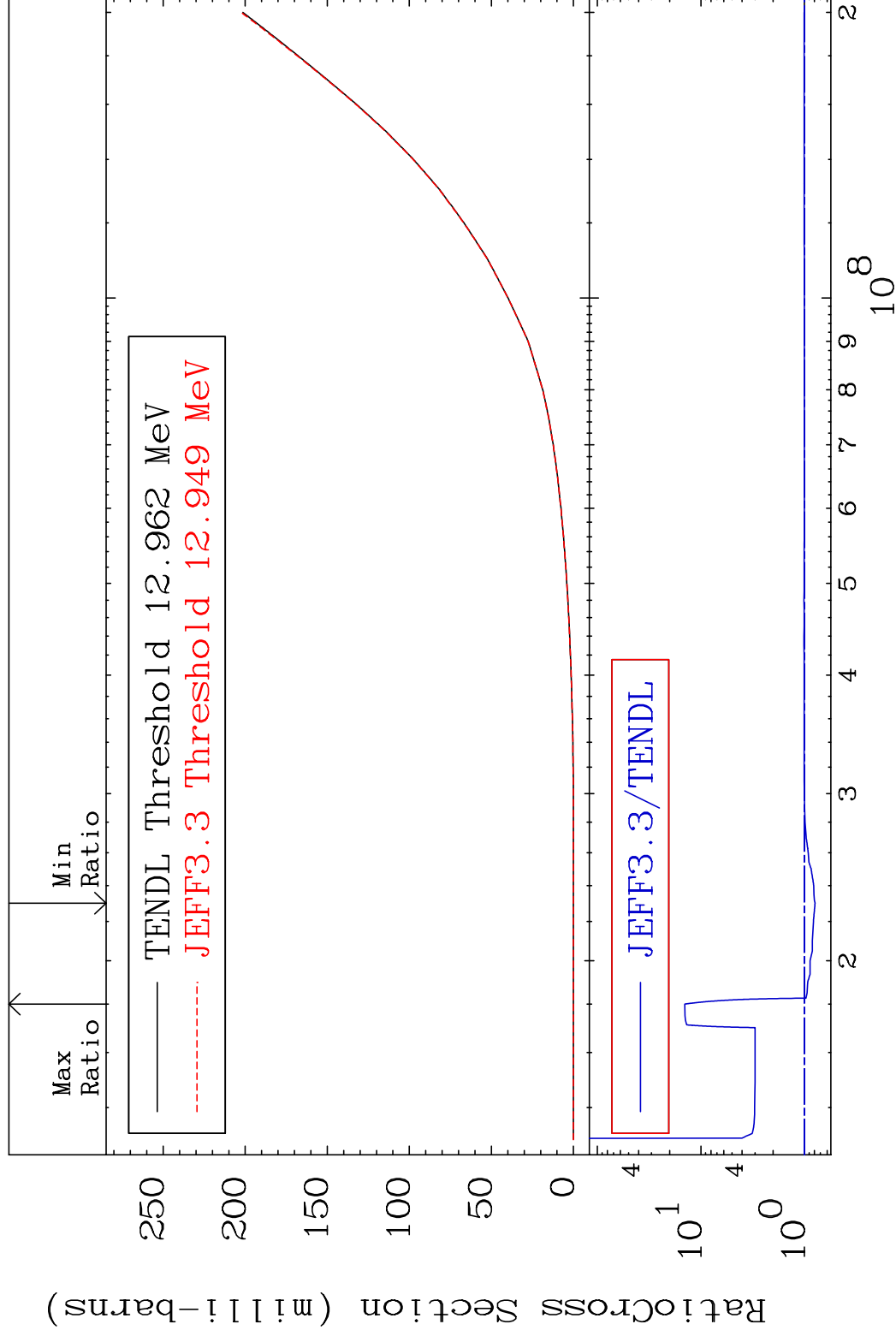


MAT 4455

He-3 Production

44-Ru-106

Cross Section -21.22 To 1333. %



60

Incident Energy (eV)

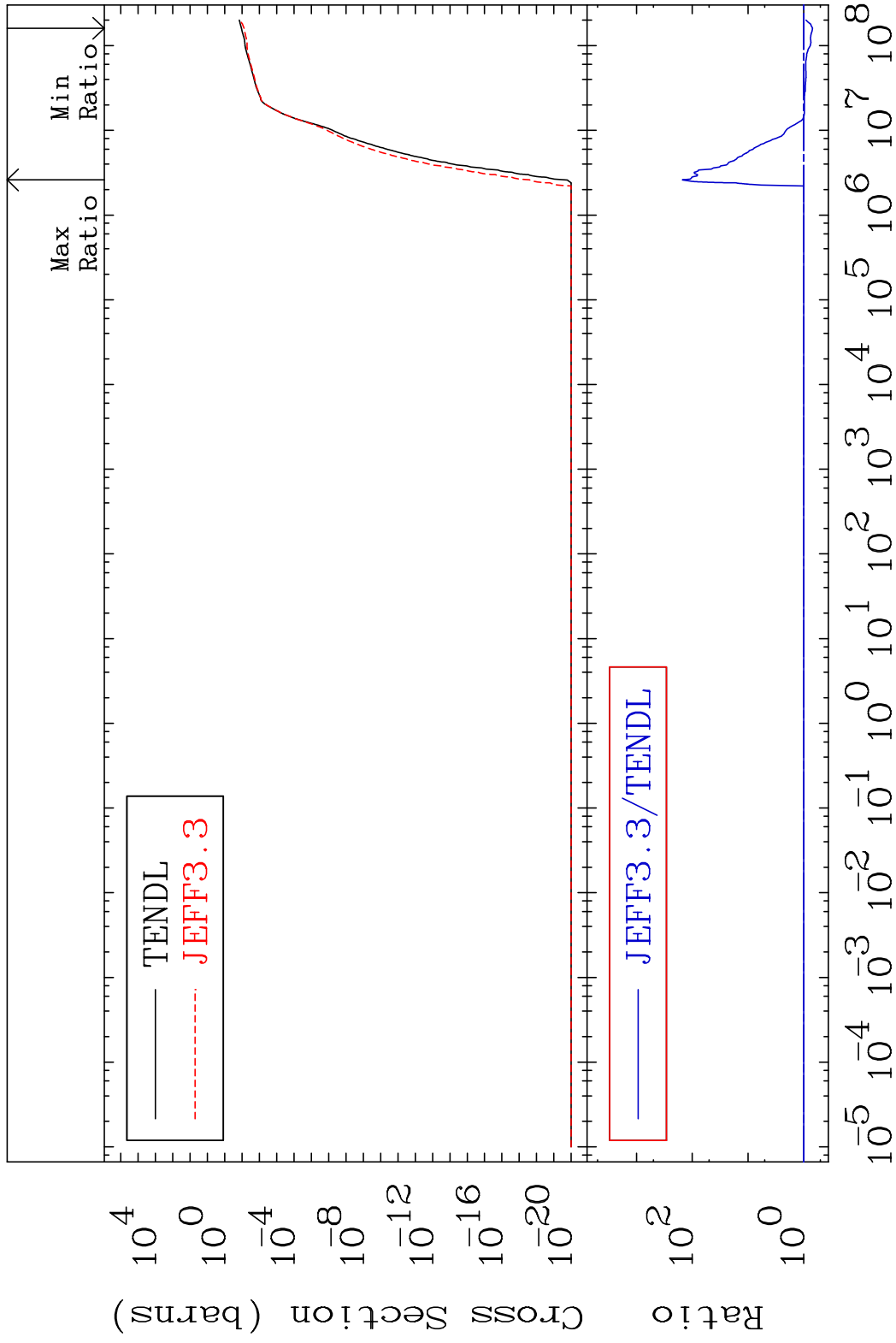
44-Ru-106

MAT 4455

He-4 Production

44-Ru-106

Cross Section -30.72 To 9999. %

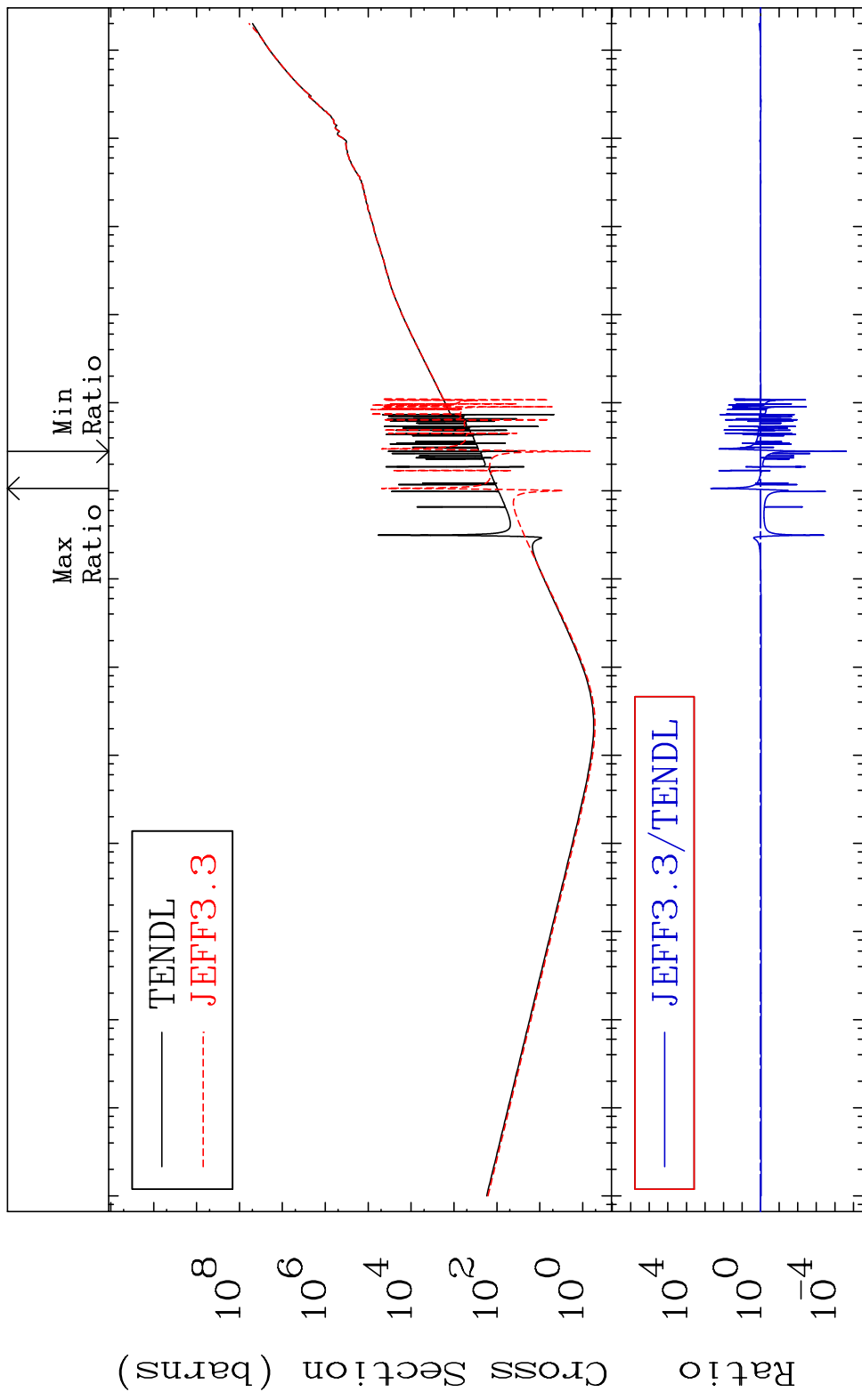


61

Incident Energy (eV)

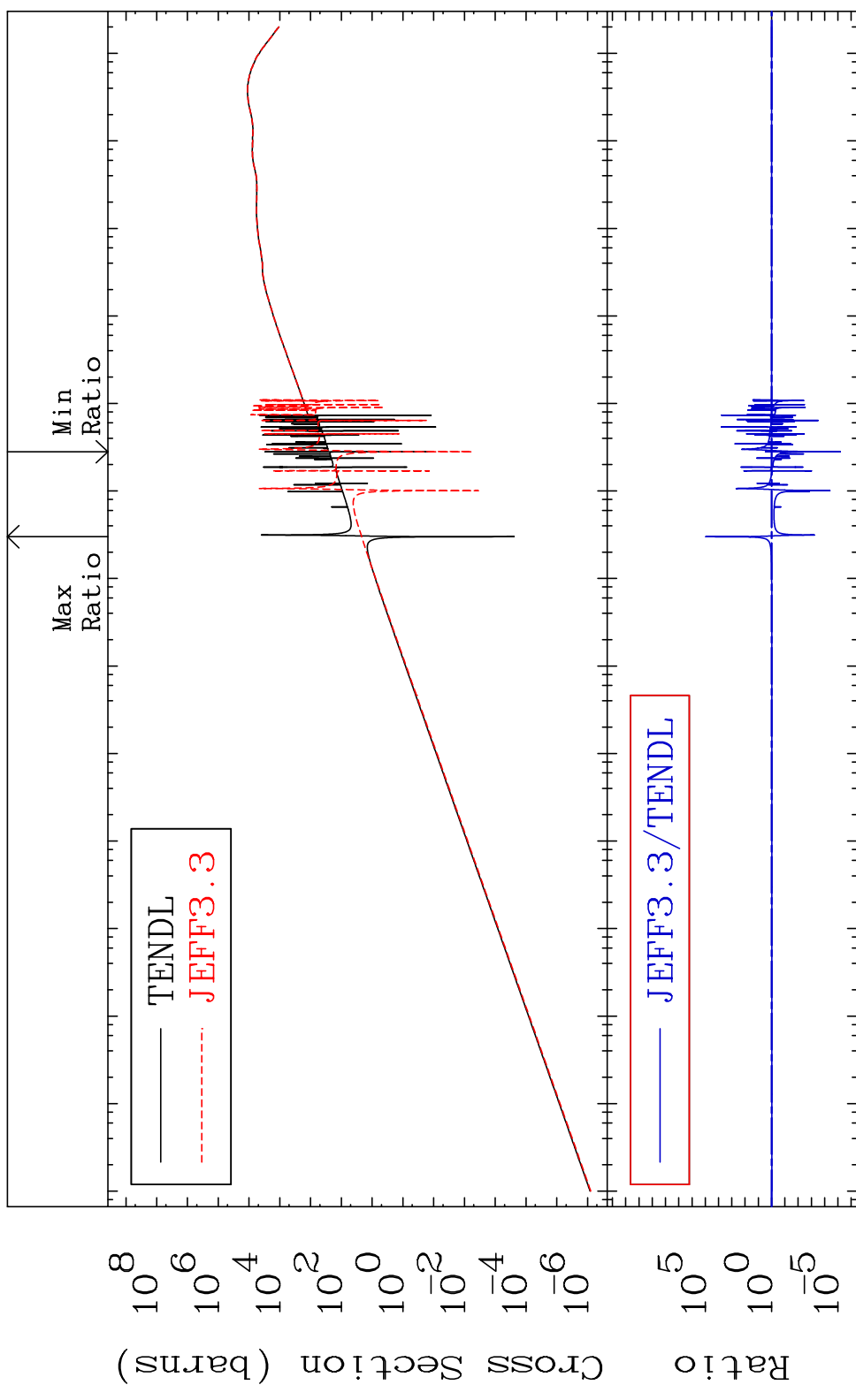
44-Ru-106

MAT 4455 Kerma total (eV-barns) 44-Ru-106
 Cross Section -100.0 To 9999. %

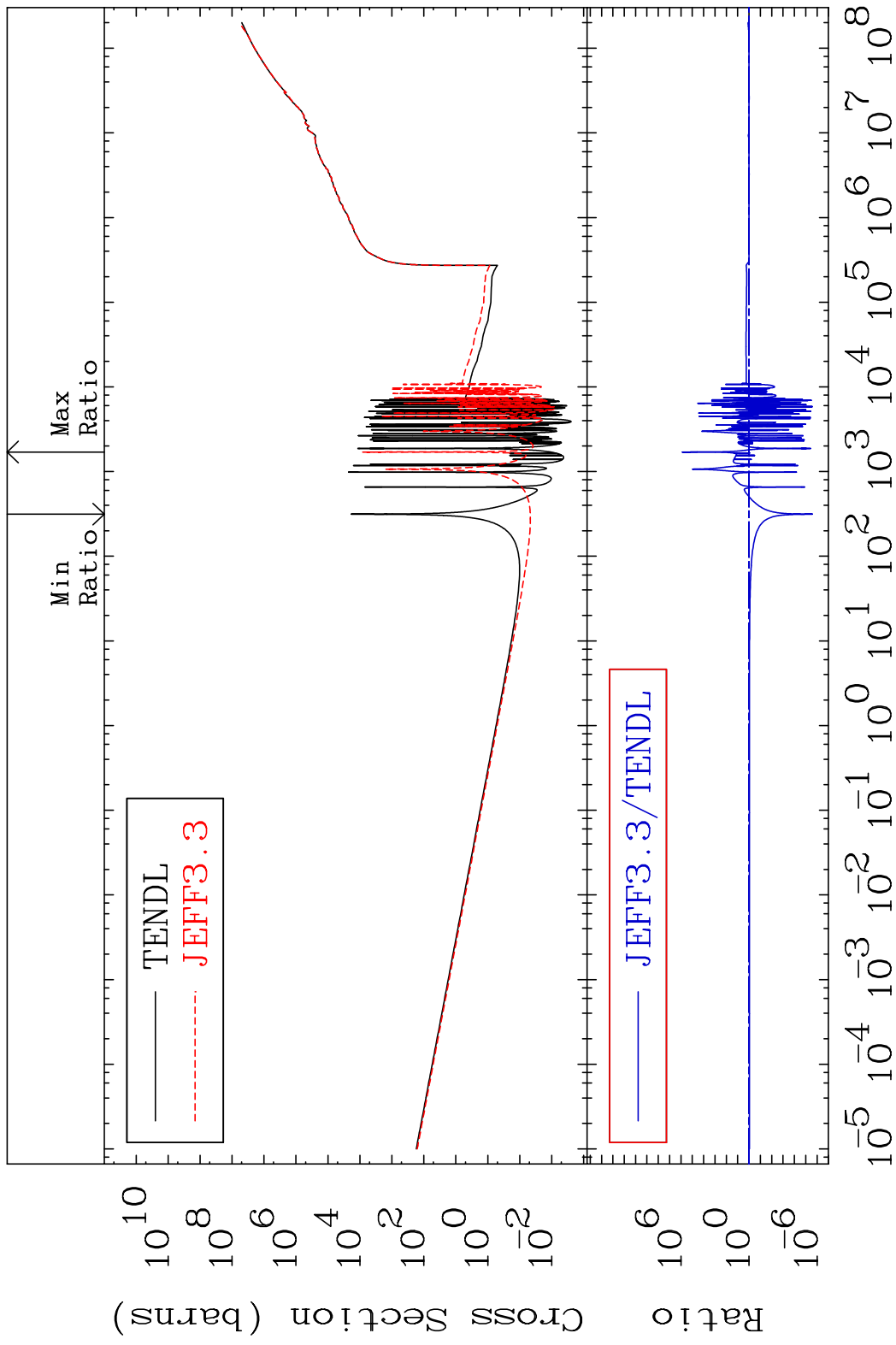


MAT 4455

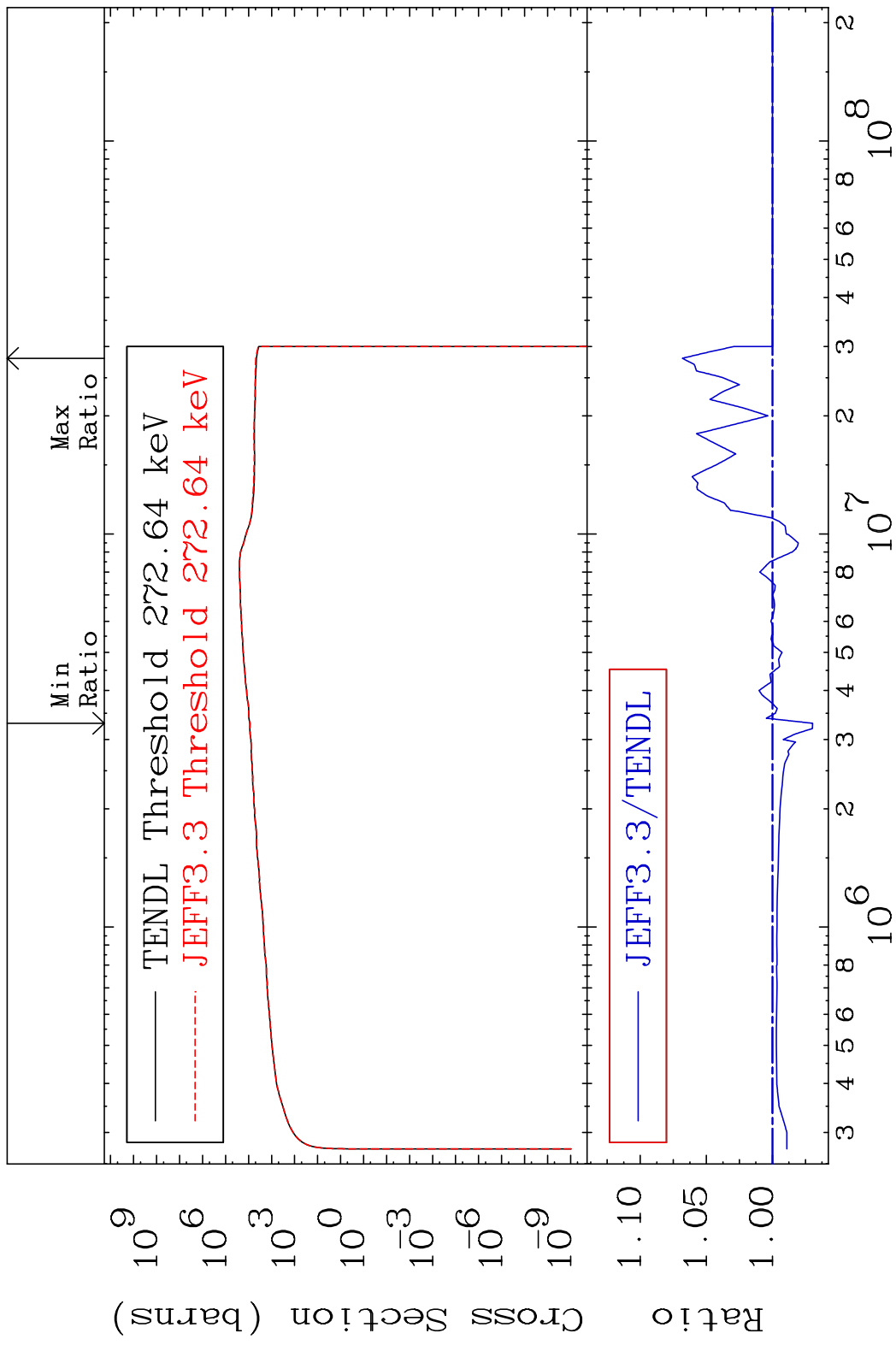
Kerma elastic Cross Section -100.0 To 9999. %
44-Ru-106



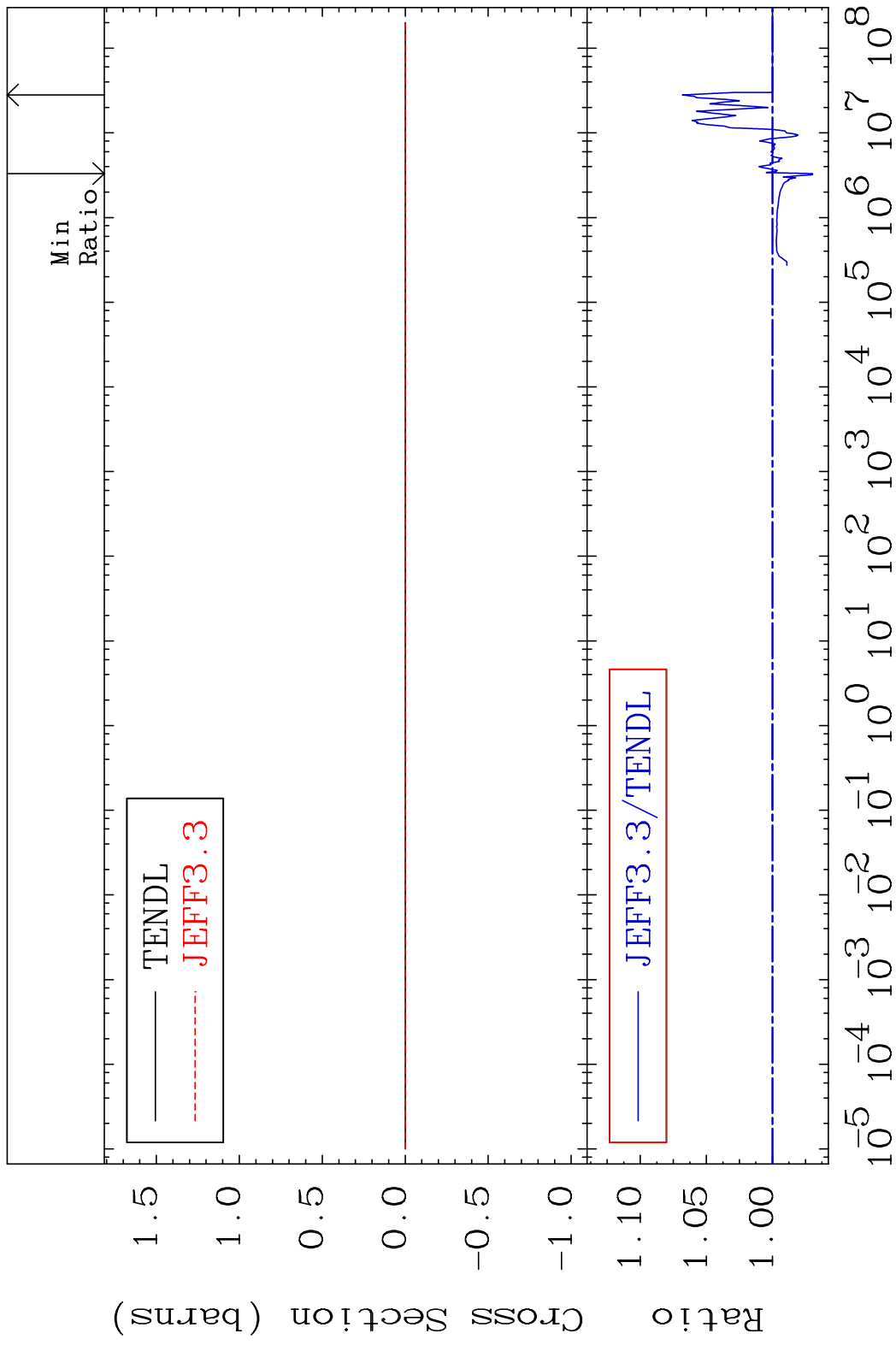
MAT 4455 Kerma non-elastic (all but mt2) 44-Ru-106
 Cross Section -100.0 To 9999. %



MAT 4455 Kerma inelastic (mt51-91) 44-Ru-106
 Cross Section -3.034 To 6.816 %

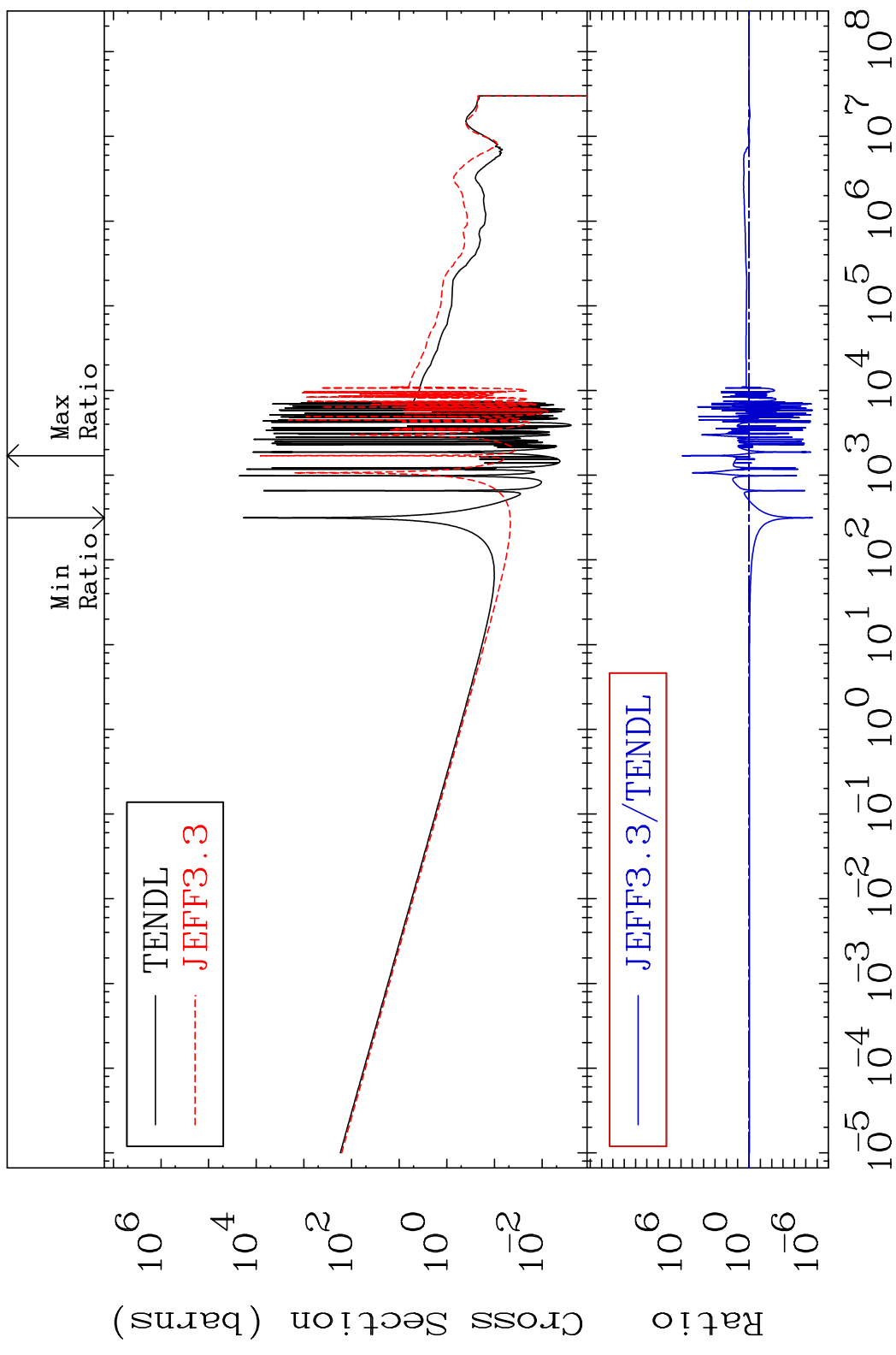


MAT 4455 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-106
 Cross Section -3.034 To 6.816 %

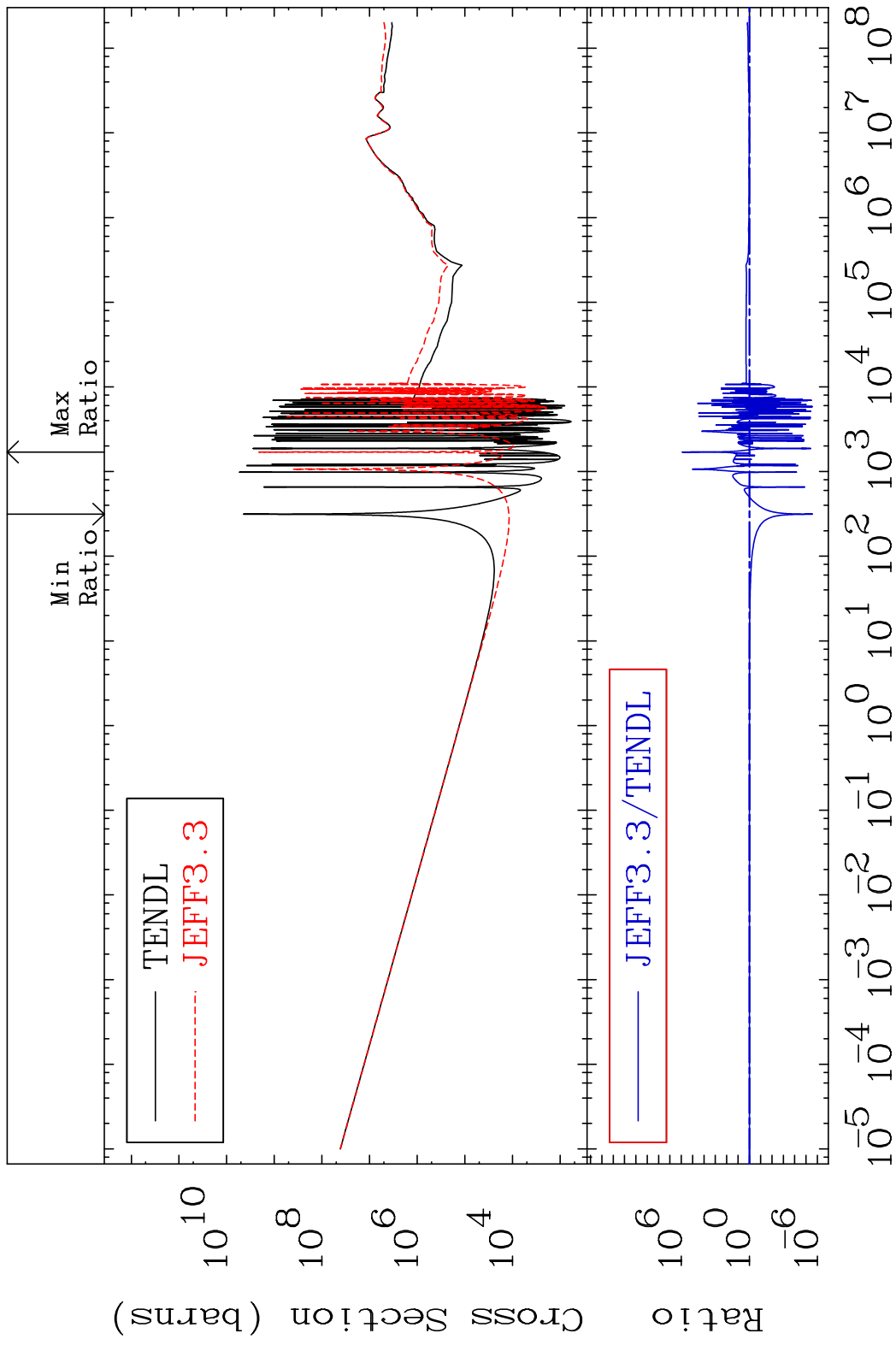


MAT 4455

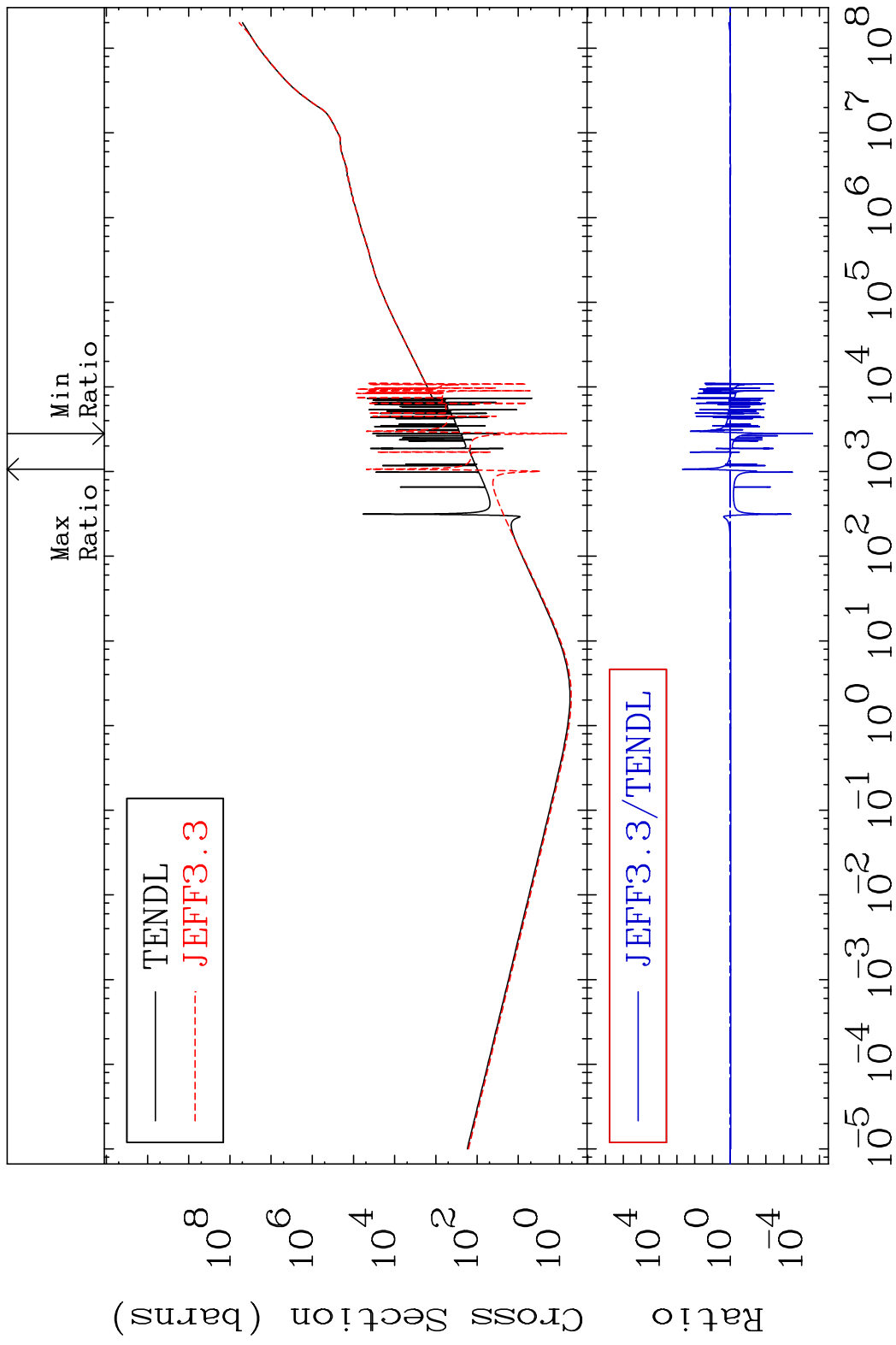
Kerma capture (mt102) 44-Ru-106
Cross Section -100.0 To 9999. %



MAT 4455 Total photon (eV-barns) 44-Ru-106
 Cross Section -100.0 To 9999. %



MAT 4455 Total kinematic kerma (high limit) 44-Ru-106
 Cross Section -100.0 To 9999. %

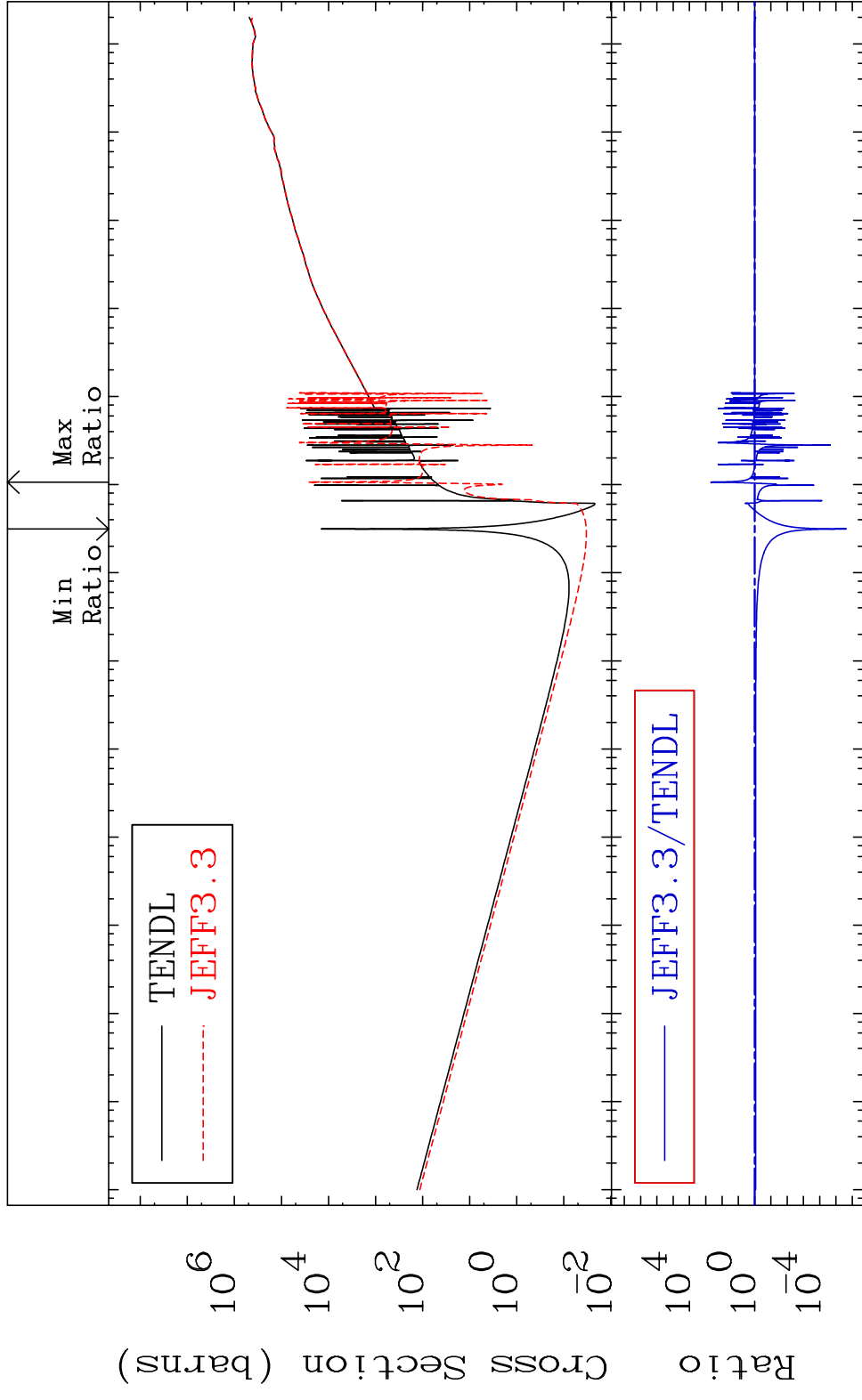


MAT 4455

Dpa total (eV-barns)

44-Ru-106

Cross Section -100.0 To 9999. %



70

Incident Energy (eV)

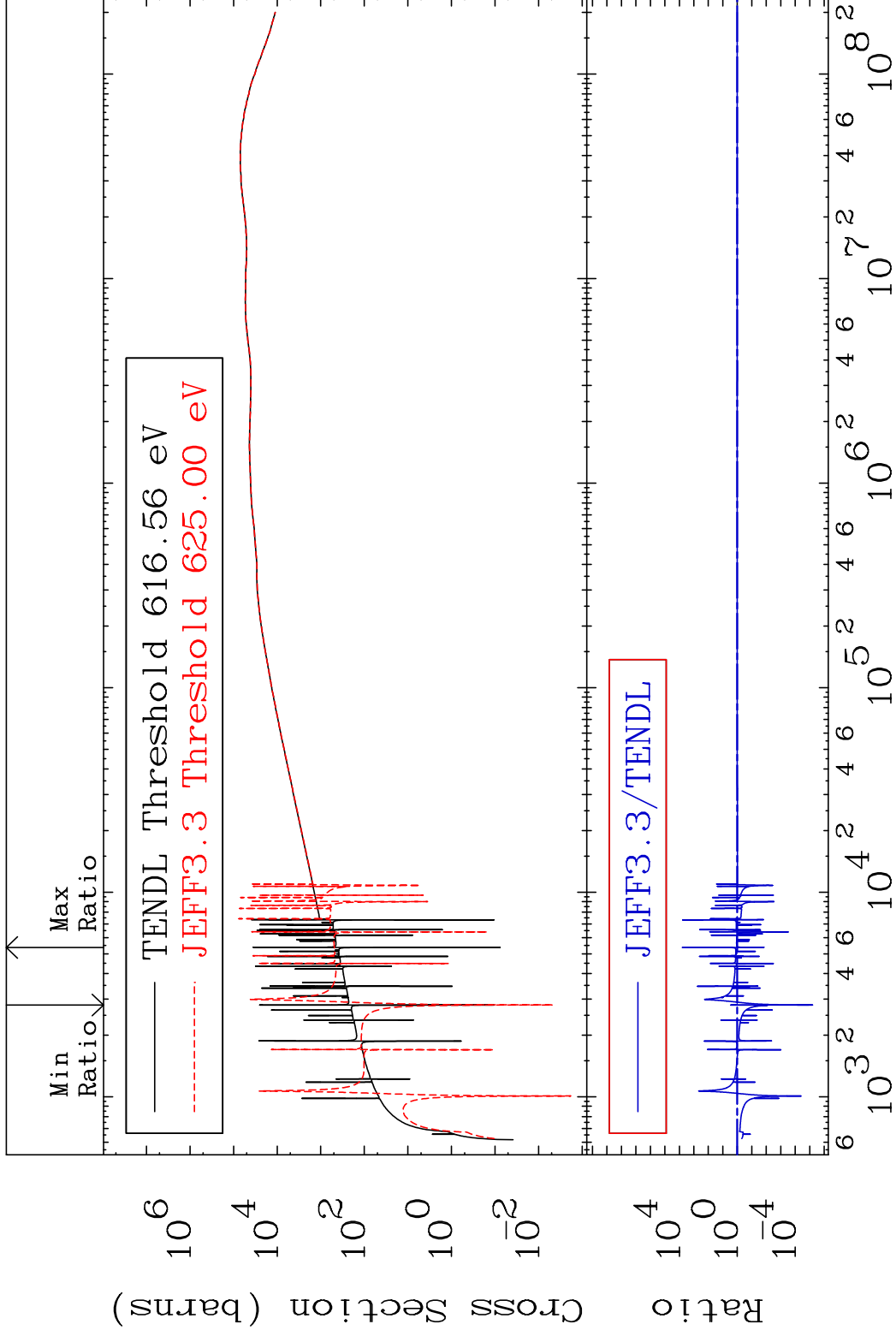
44-Ru-106

MAT 4455

Dpa elastic (mt2)

44-Ru-106

Cross Section -100.0 To 9999. %

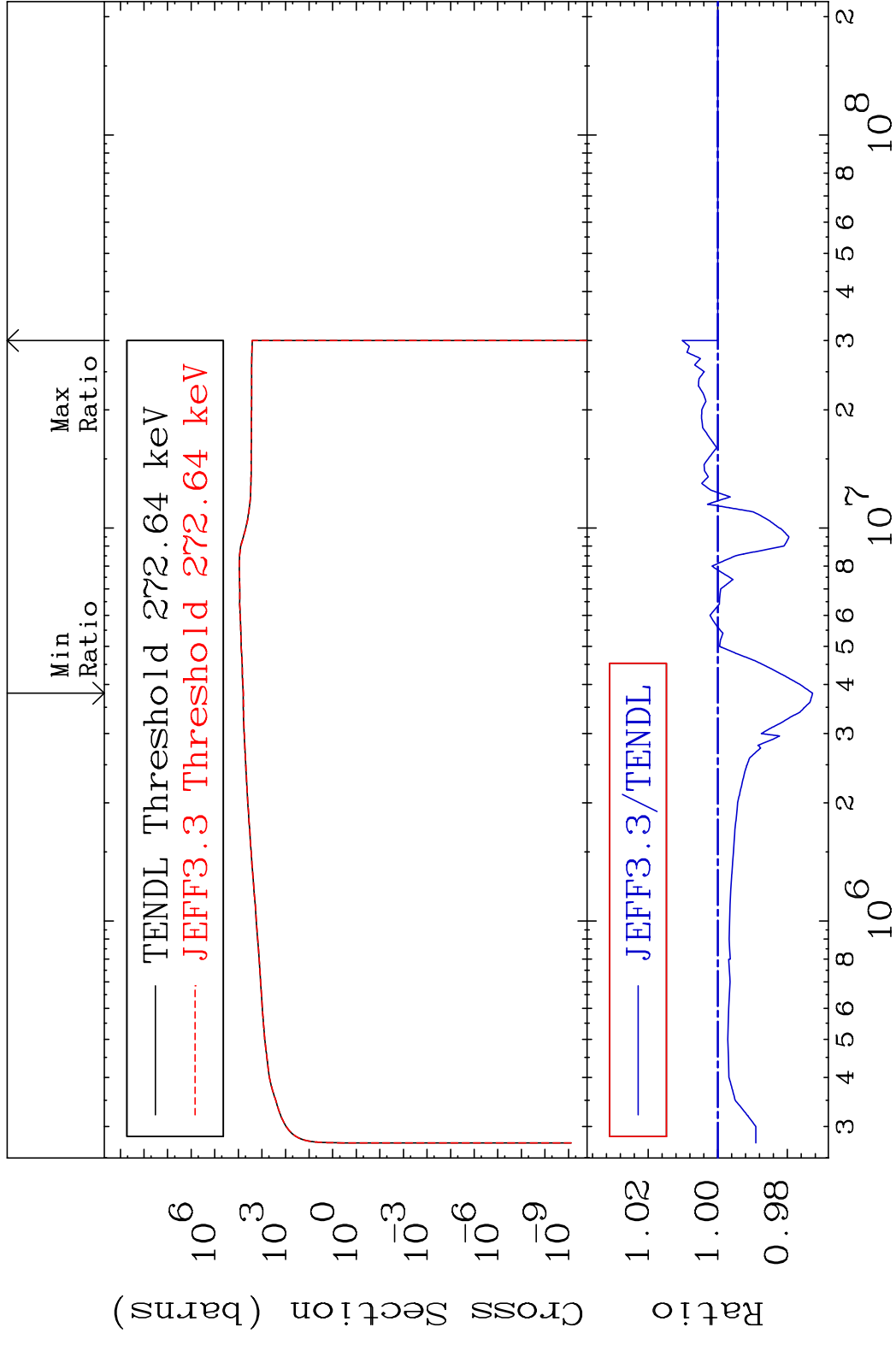


71

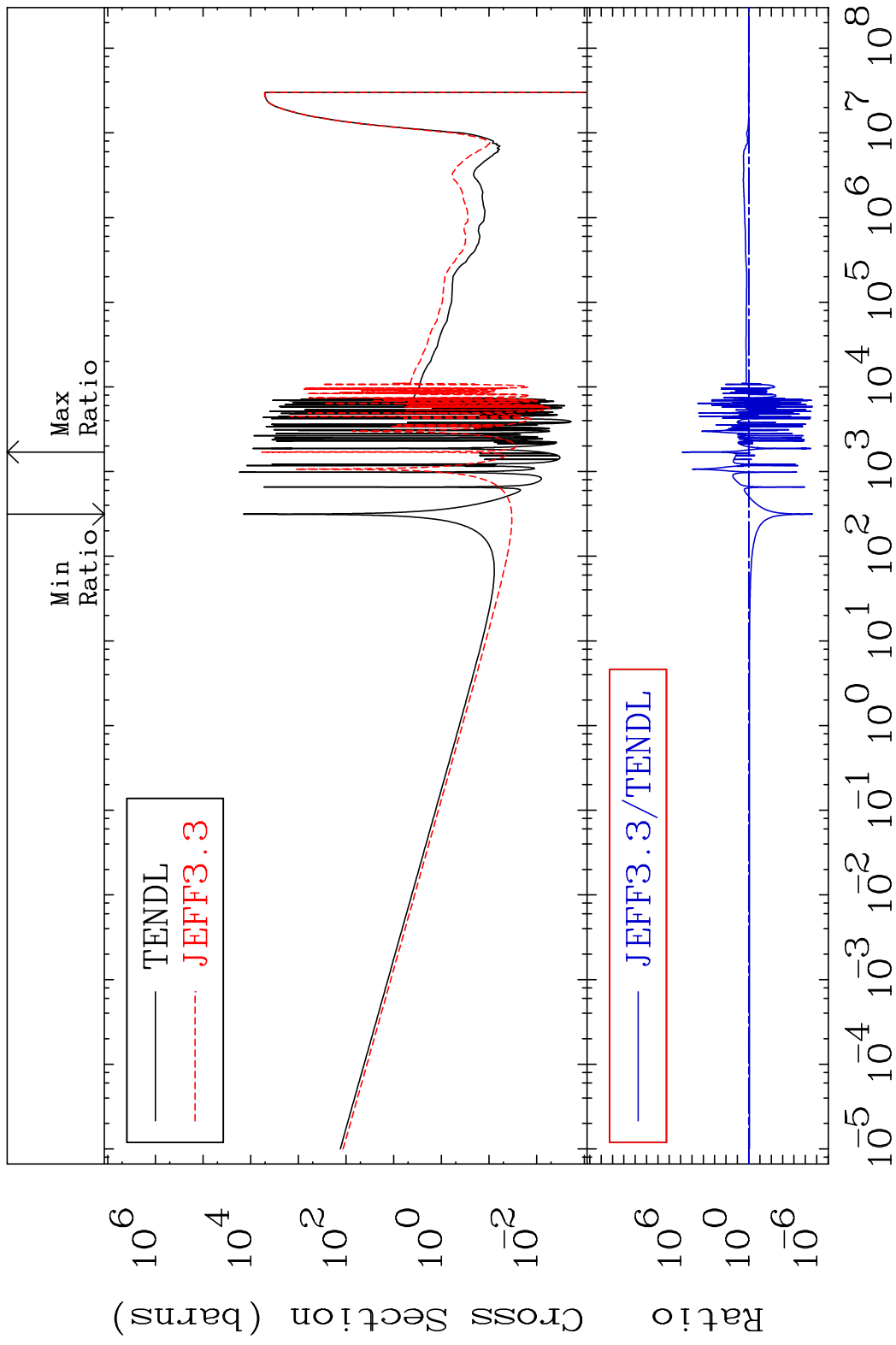
Incident Energy (eV)

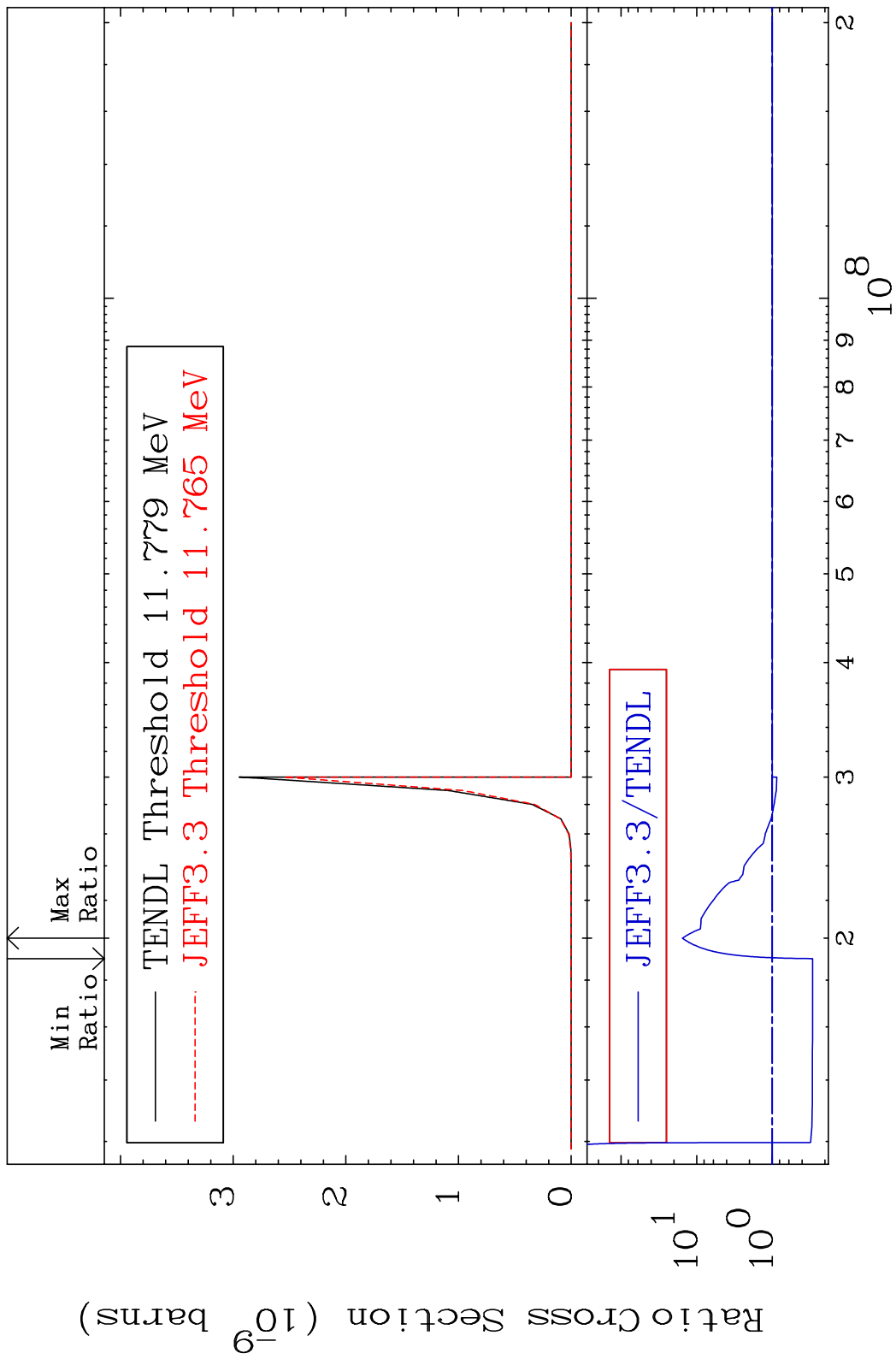
44-Ru-106

MAT 4455 Dpa inelastic (mt51-91) 44-Ru-106
 Cross Section -2.723 To 1.019 %



MAT 4455 Dpa disappearance (mt102 -120) 44-Ru-106
 Cross Section -100.0 To 9999. %





MAT 4455 (n, p) α : 41-Nb-102m1 44-Ru-106
 Radionuclide Production Cross Section 1551. %

