

Program Complot
(Version 2021-1)

by

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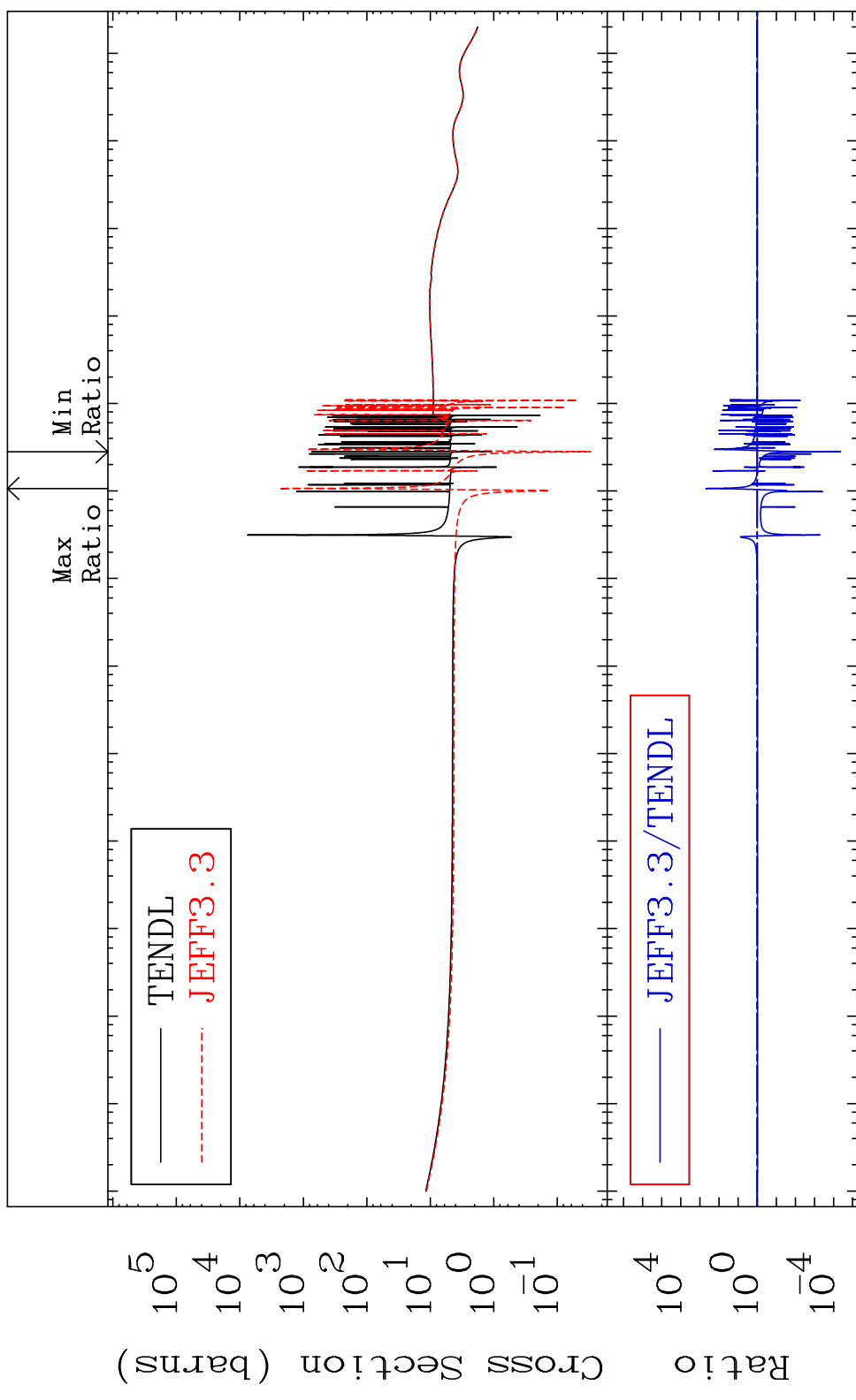
Press Mouse Button to Start

MAT 4455

Total

44-Ru-106

Cross Section -100.0 To 9999. %



1

Incident Energy (eV)

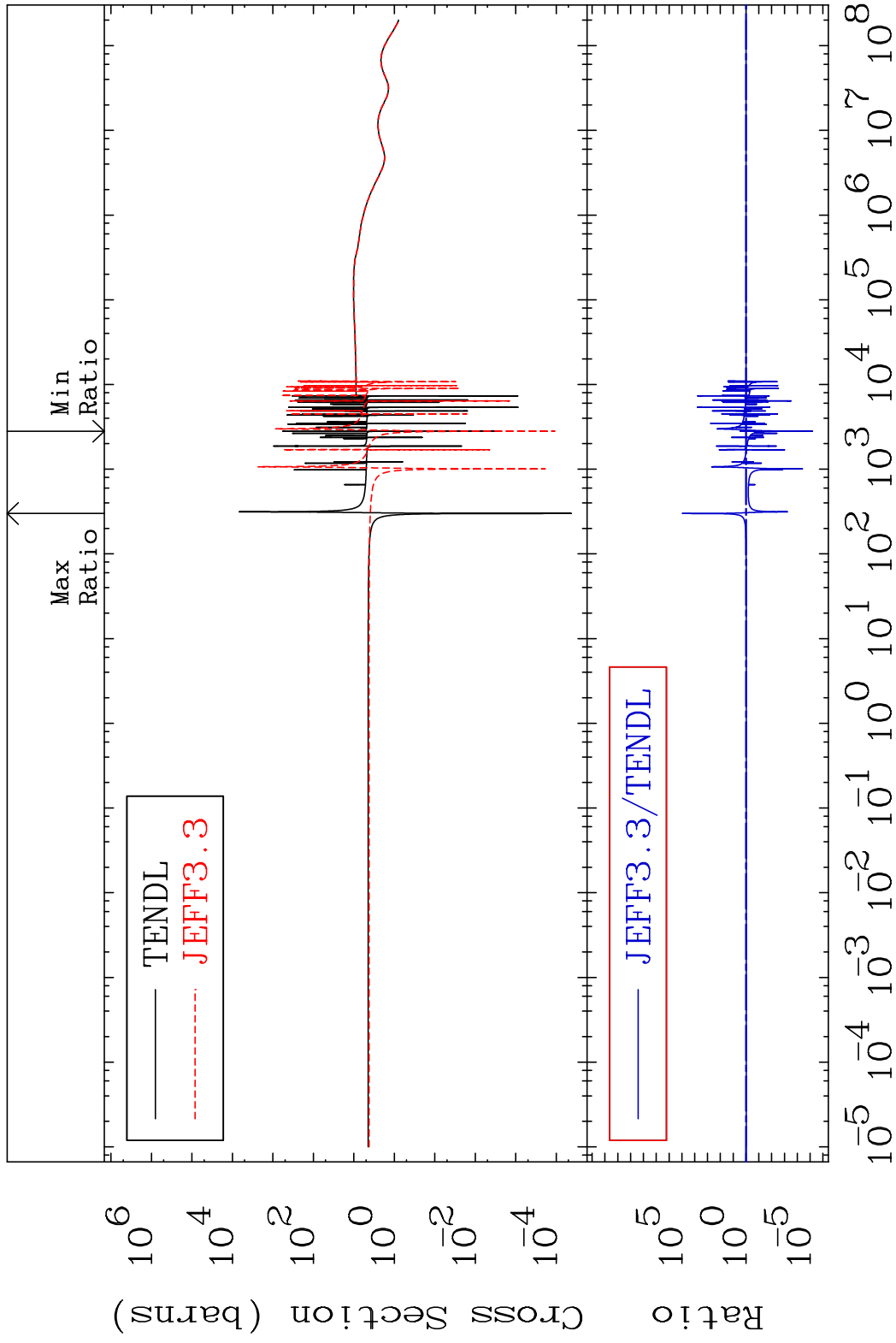
44-Ru-106

MAT 4455

Elastic

44-Ru-106

Cross Section -100.0 To 9999. %



2

Incident Energy (eV)

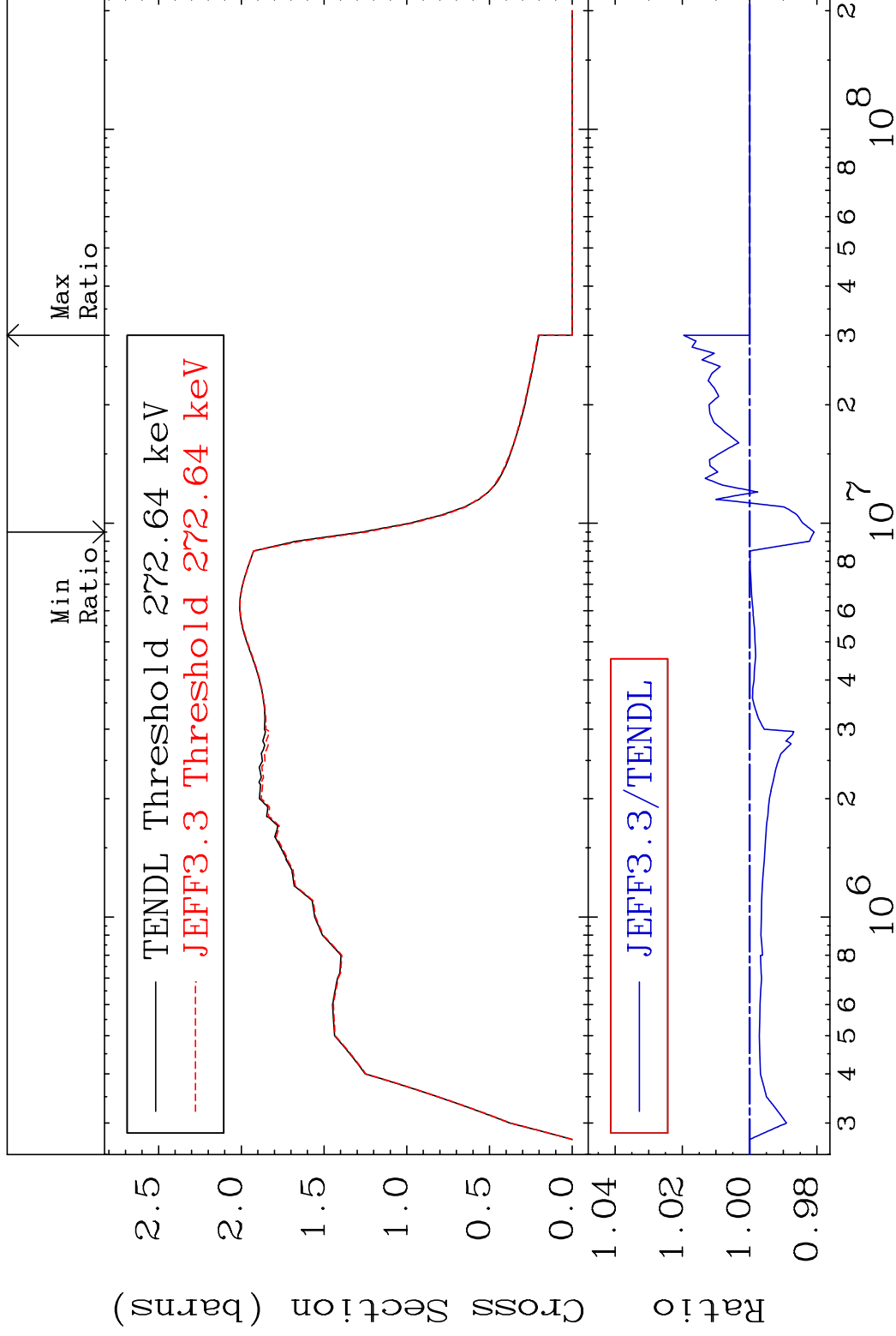
44-Ru-106

MAT 4455

Inelastic

44-Ru-106

Cross Section -1.915 To 1.961 %

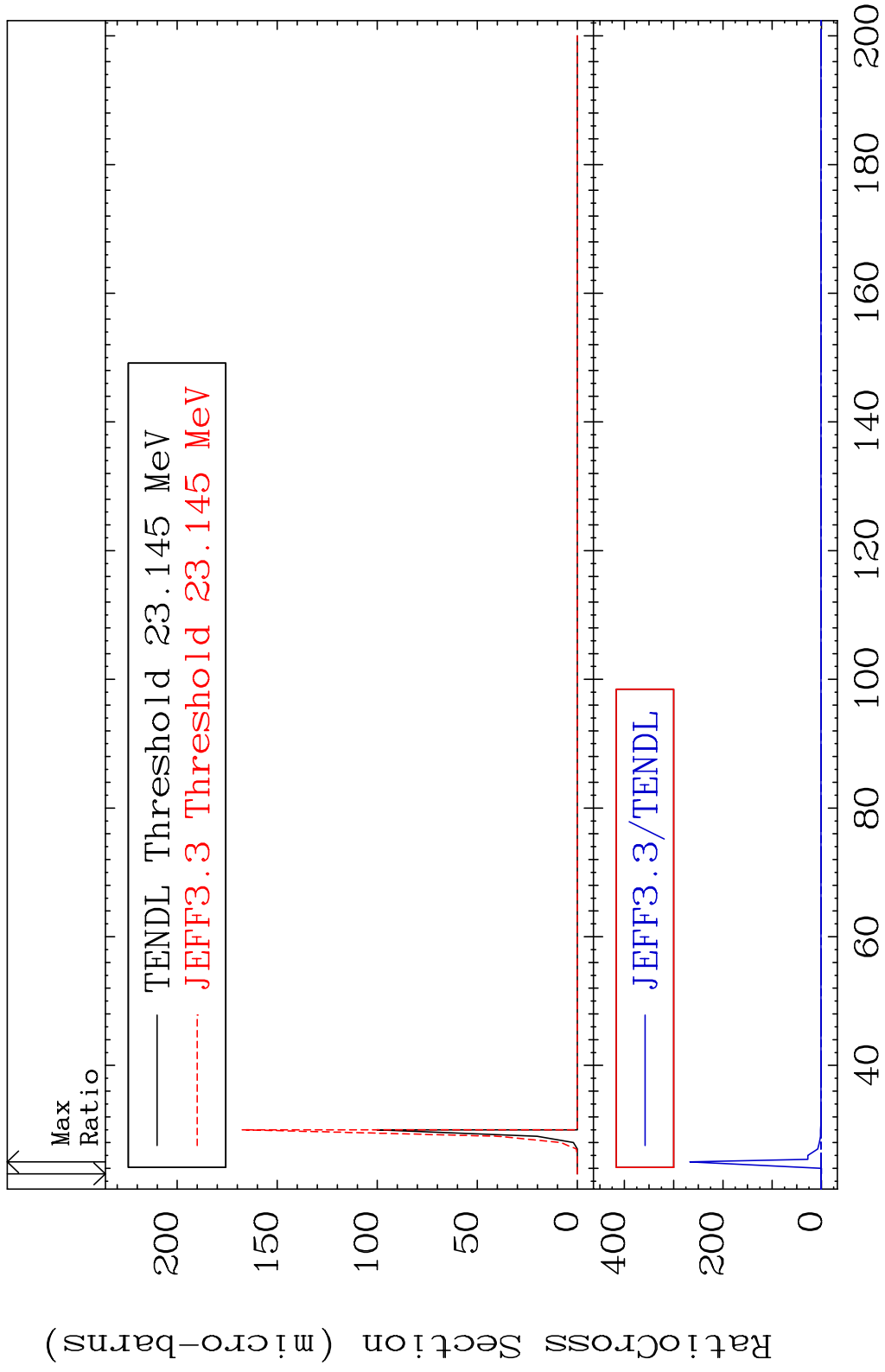


3

Incident Energy (eV)

44-Ru-106

MAT 4455 (n,2n) d 44-Ru-106
 Cross Section -100.0 To 9999. %



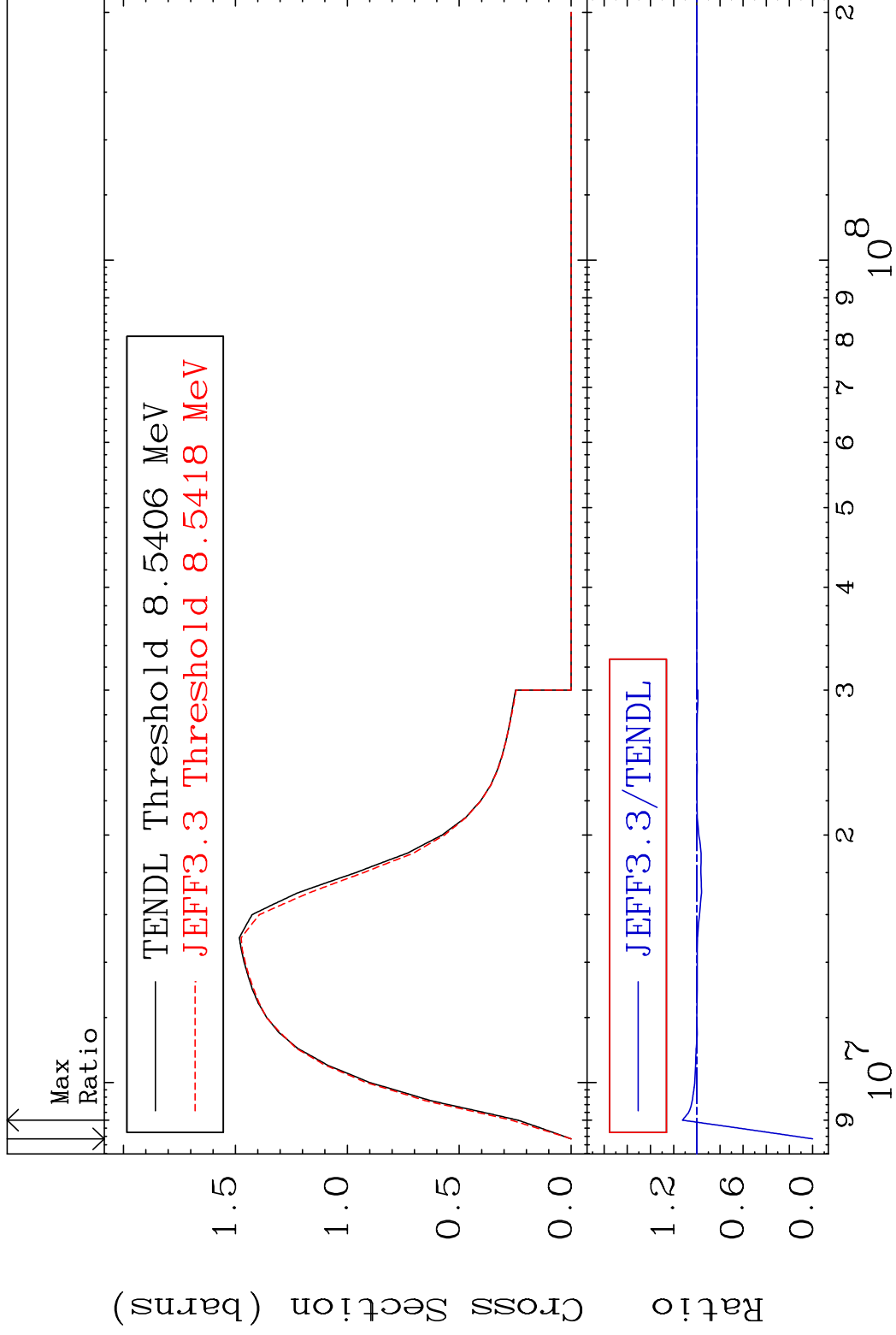
4 Incident Energy (MeV) 44-Ru-106

MAT 4455

(n,2n)

44-Ru-106

Cross Section -100.0 To 12.45 %



5

Incident Energy (eV)

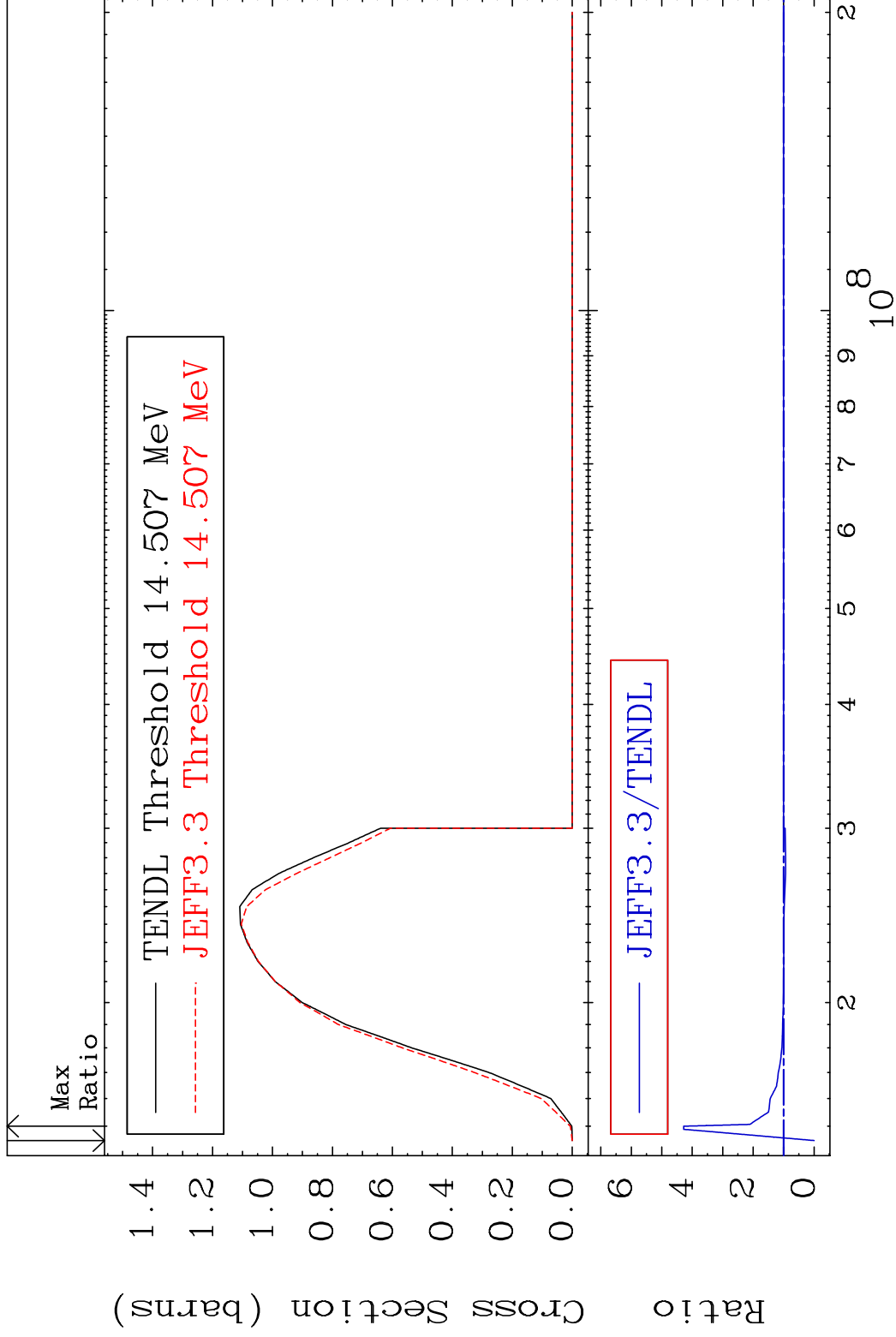
44-Ru-106

MAT 4455

(n,3n)

44-Ru-106

Cross Section -100.0 To 328.2 %

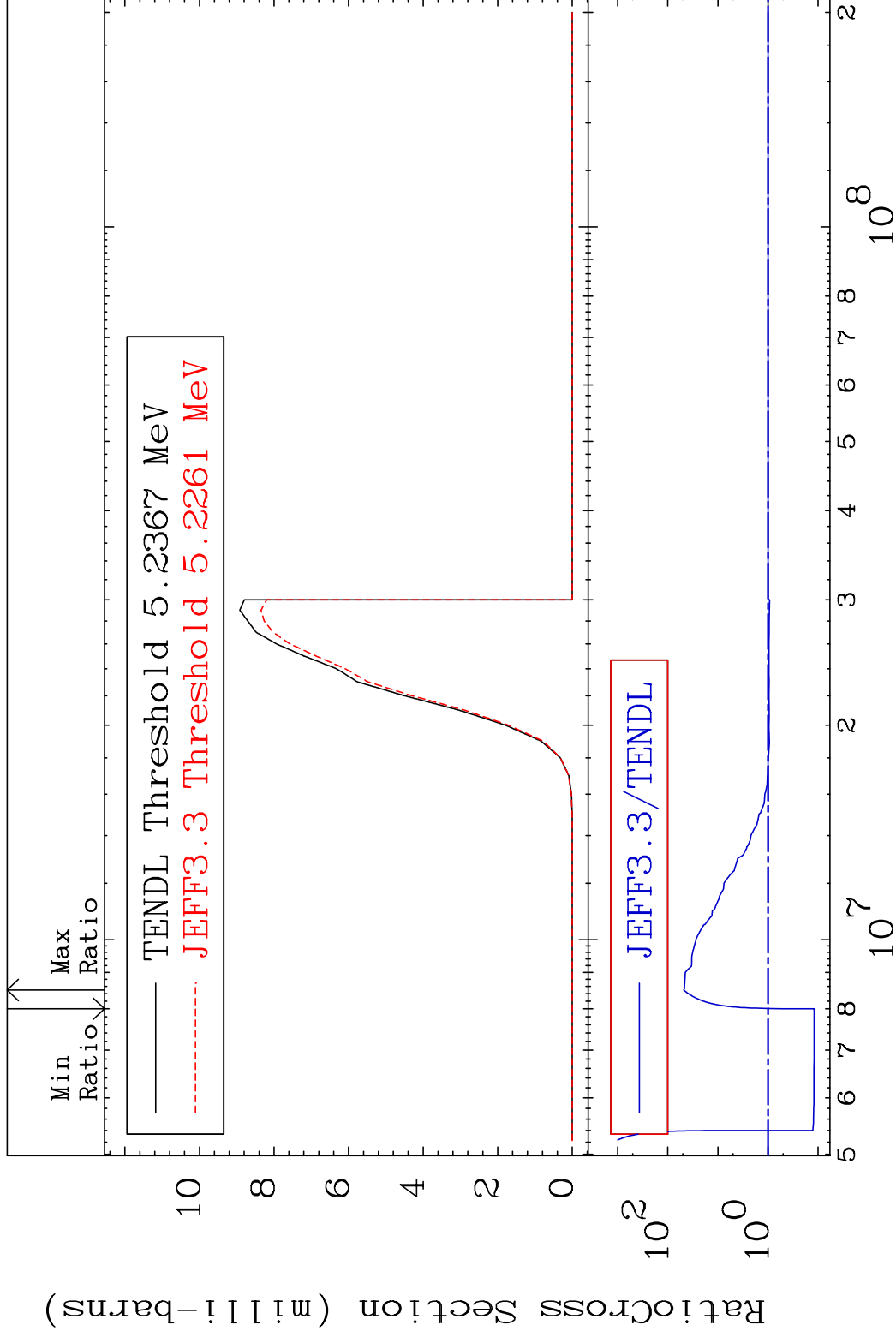


MAT 4455

(n, n') α

44-Ru-106

Cross Section -87.99 To 4718. %

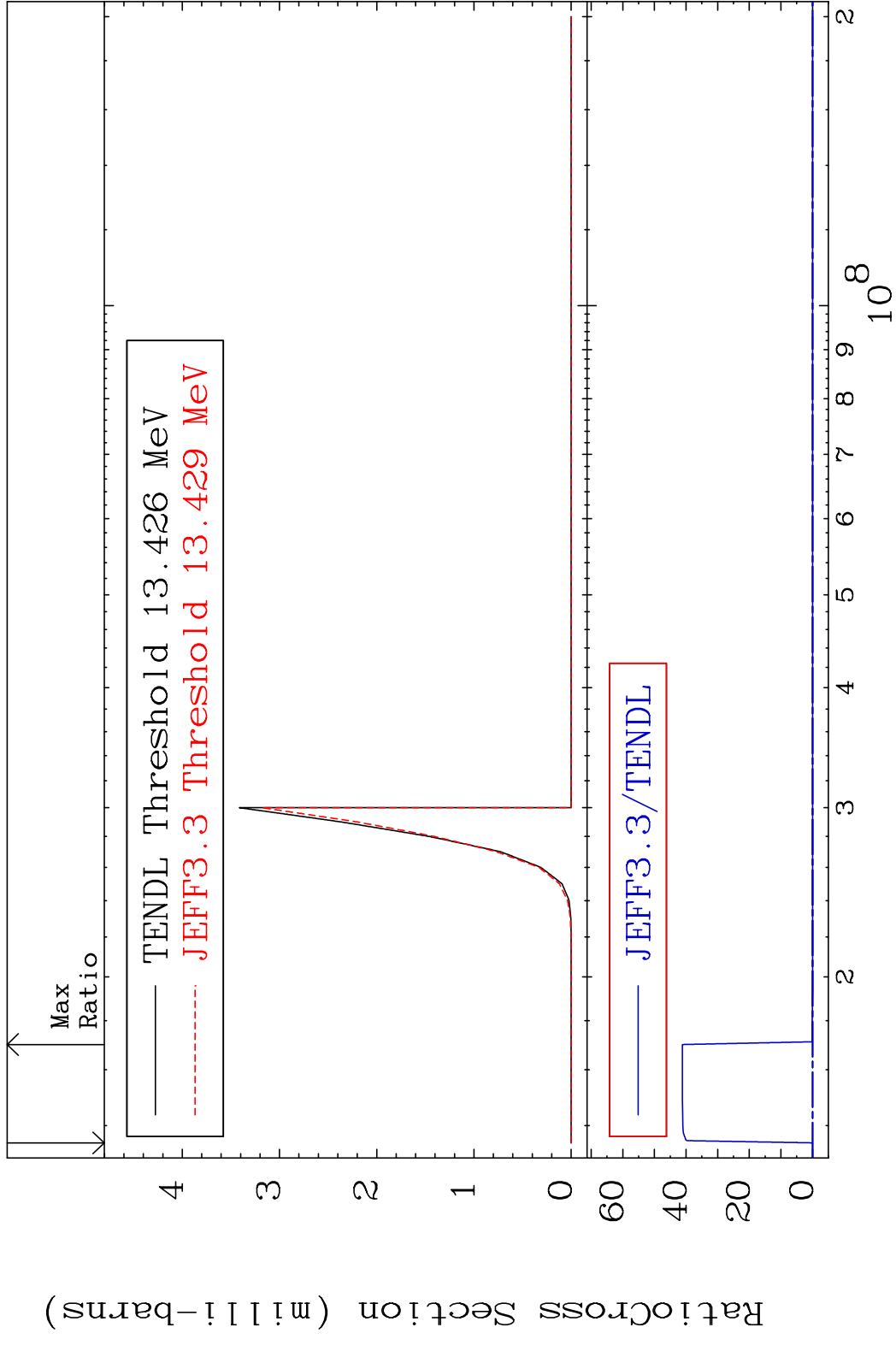


7

Incident Energy (eV)

44-Ru-106

MAT 4455 (n,2n) α 44-Ru-106
 Cross Section -100.0 To 9999. %

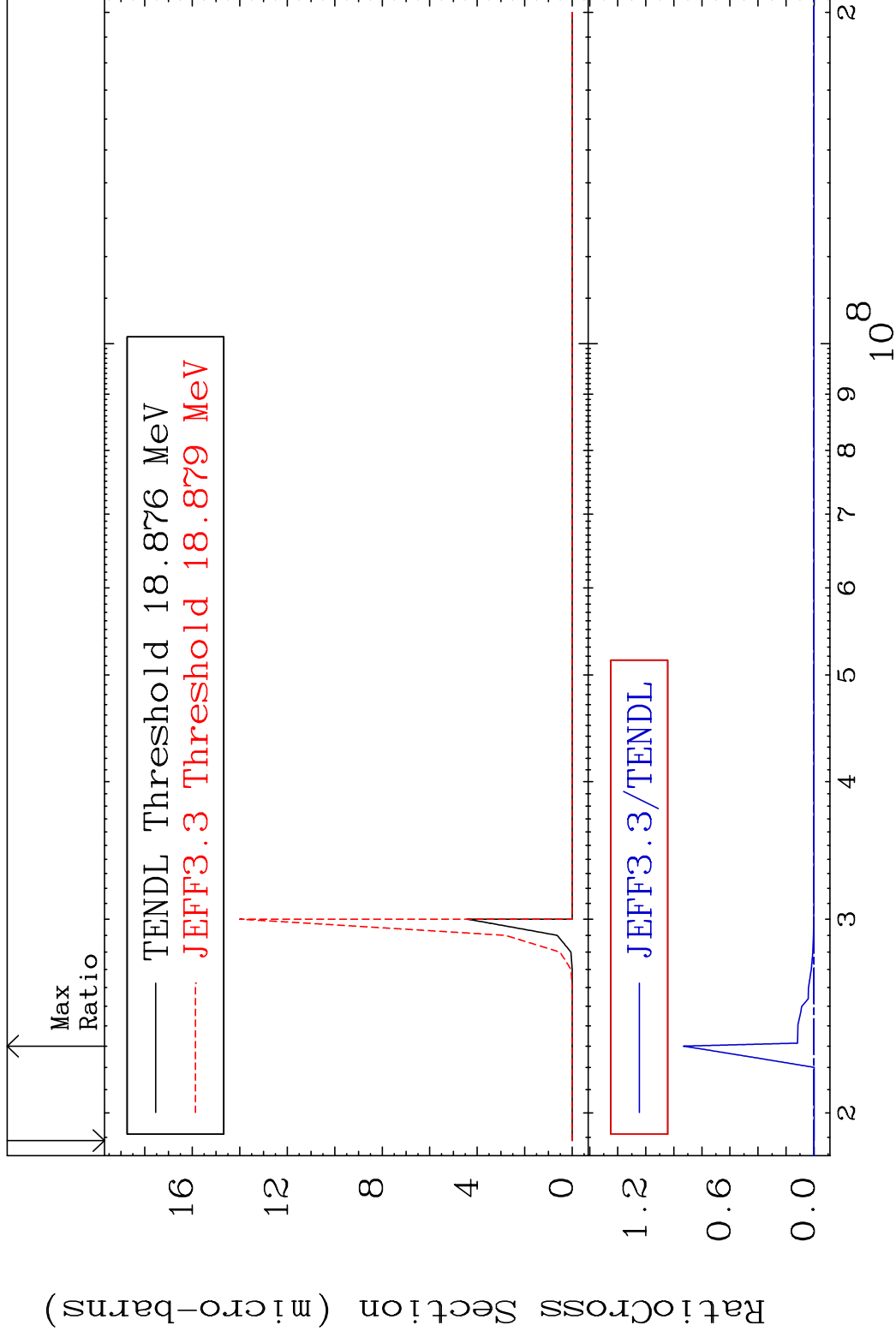


MAT 4455

(n,3n) α

44-Ru-106

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

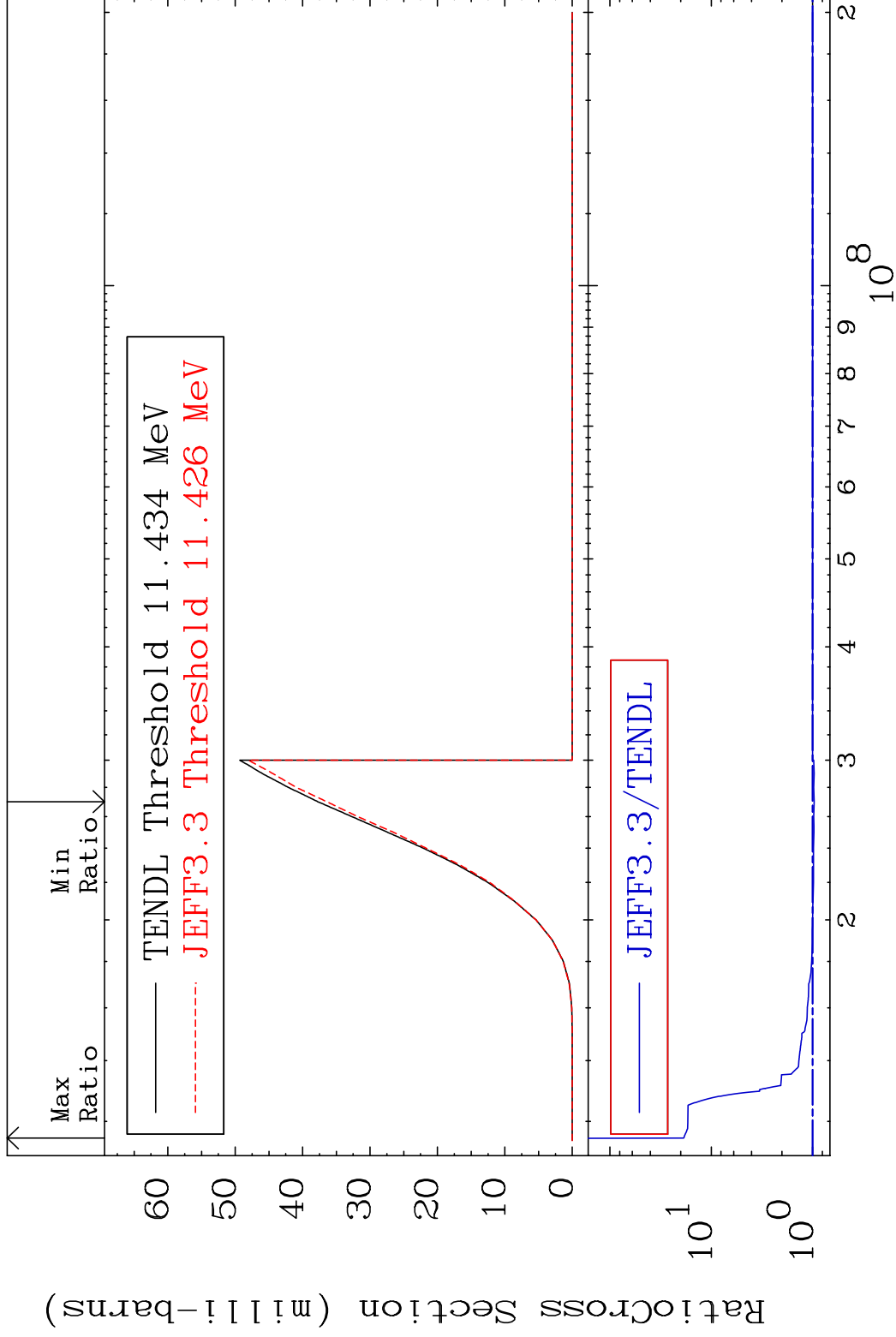
44-Ru-106

MAT 4455

(n, n') p

44-Ru-106

Cross Section -3.491 To 1771. %



10

Incident Energy (eV)

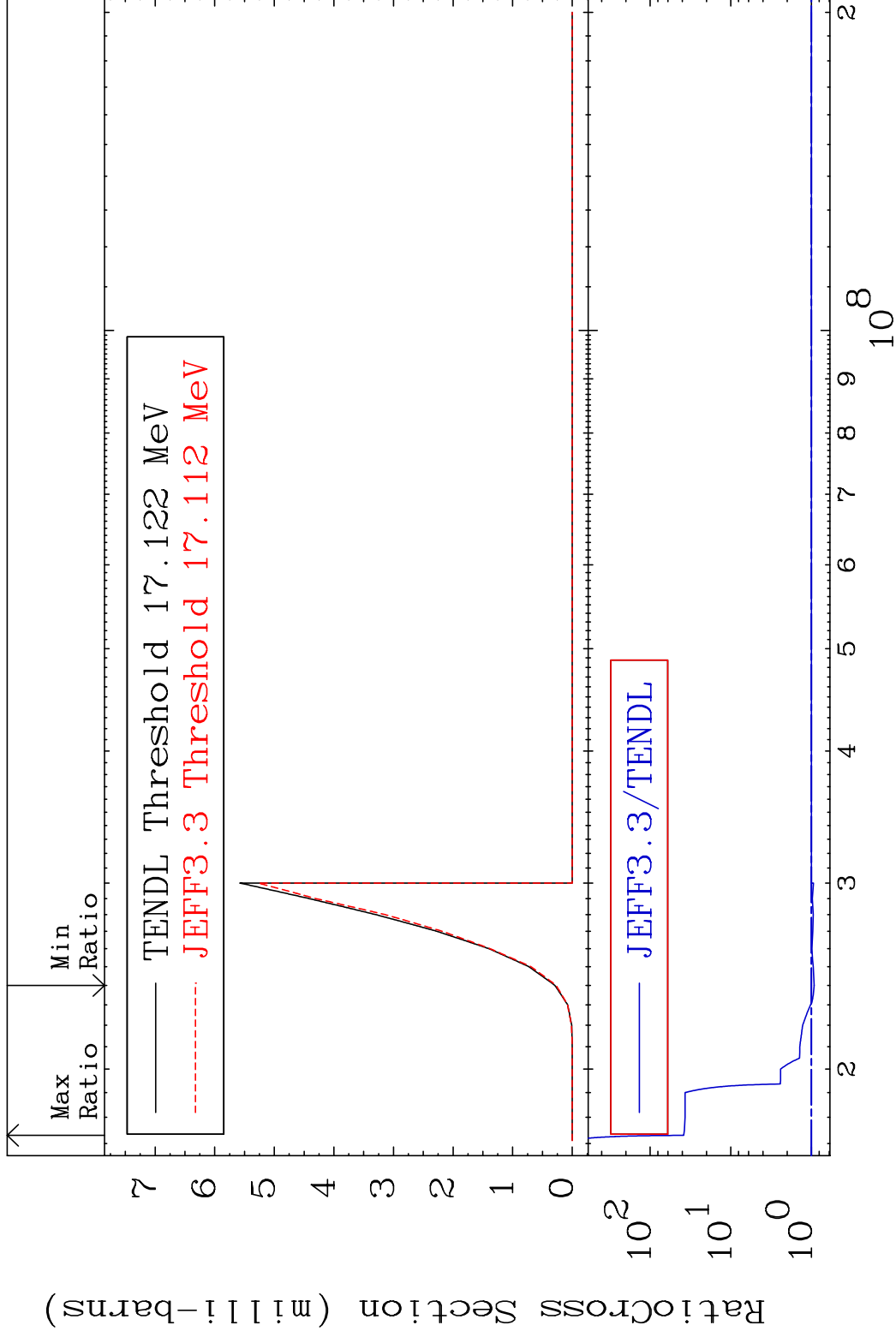
44-Ru-106

MAT 4455

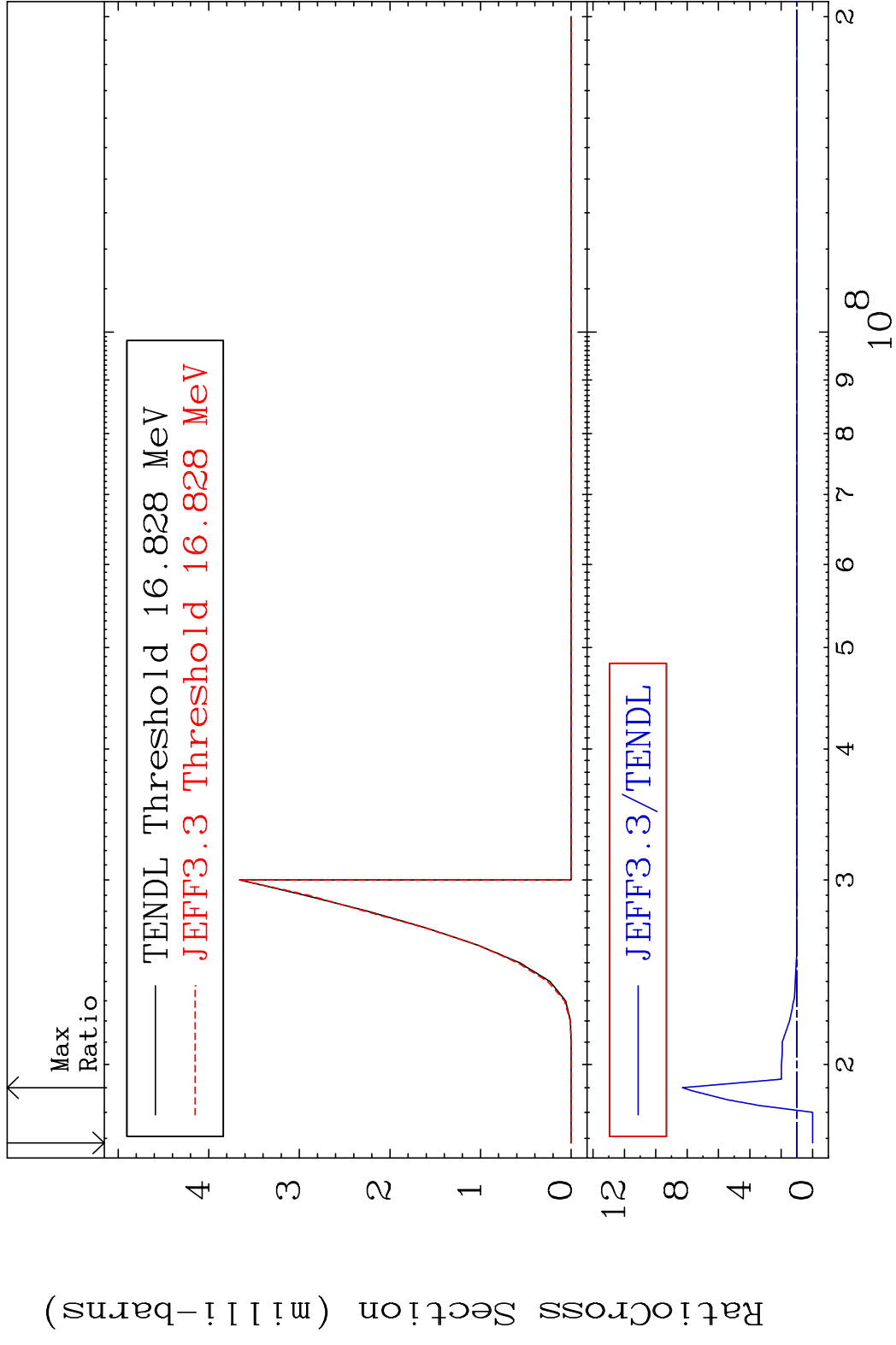
(n, n') d

44-Ru-106

Cross Section -7.365 To 3740. %



MAT 4455 (n, n') t 44-Ru-106
 Cross Section -100.0 To 730.5 %

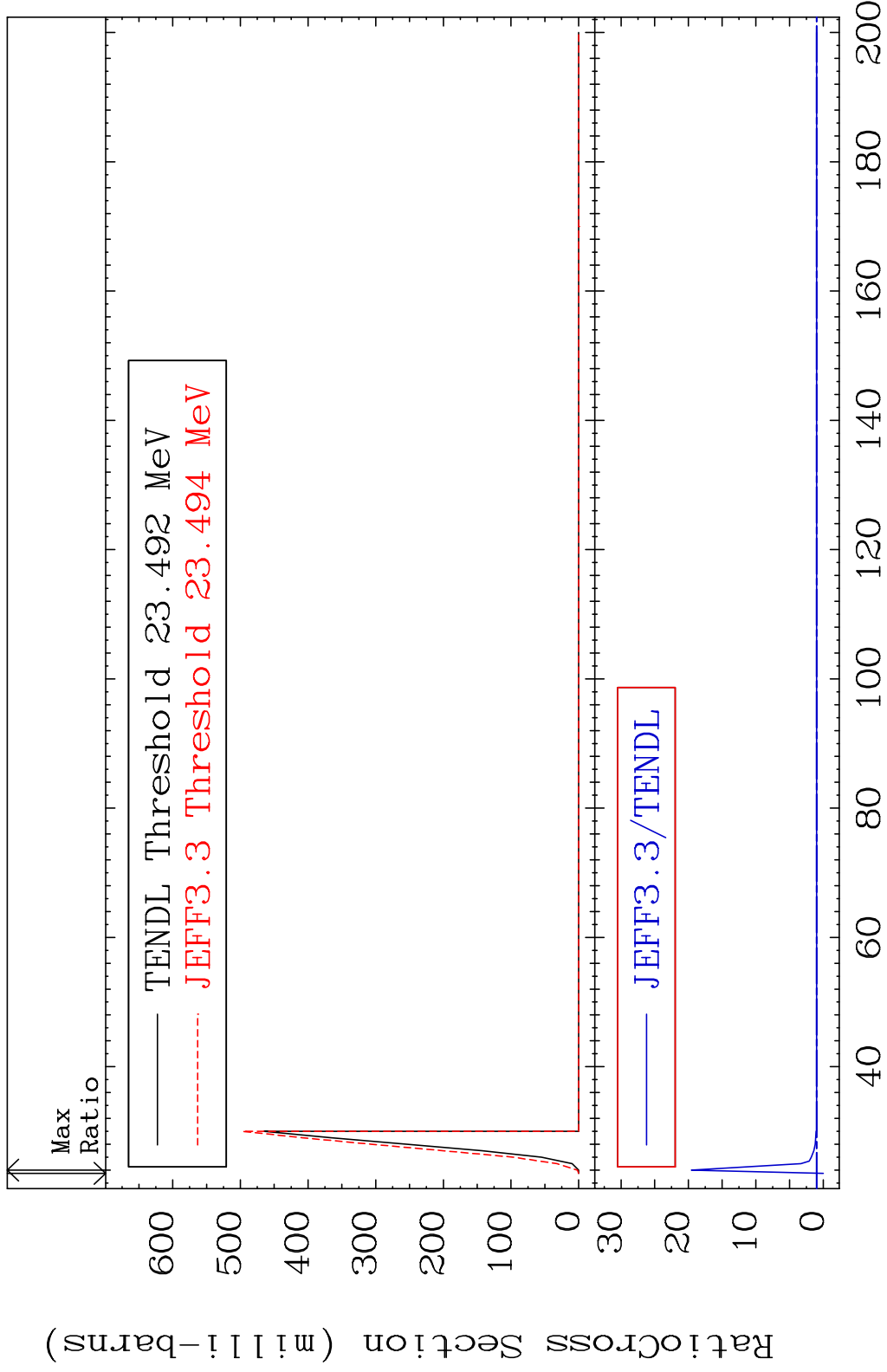


MAT 4455

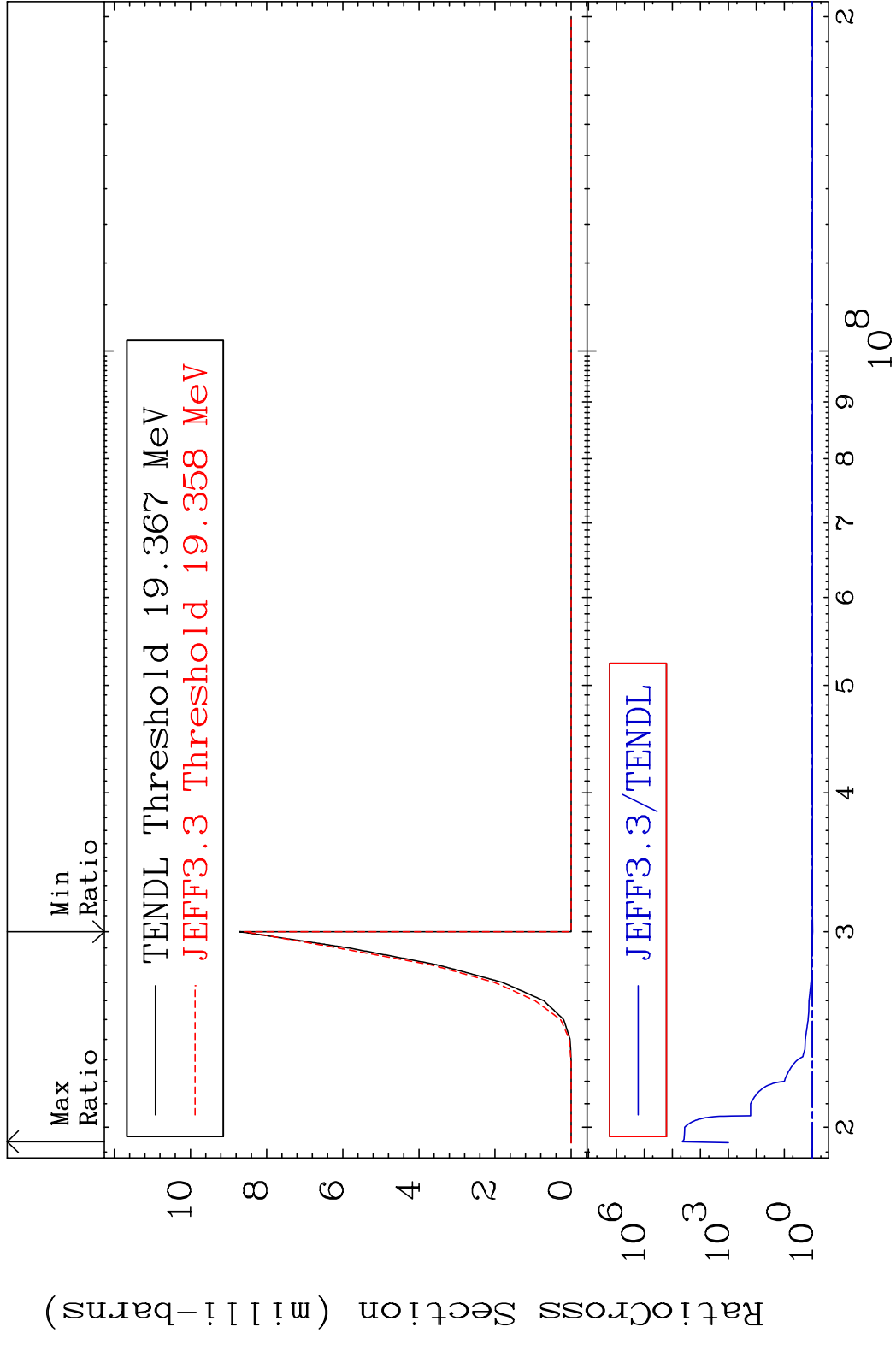
(n,4n)

44-Ru-106

Cross Section -100.0 To 1857. %

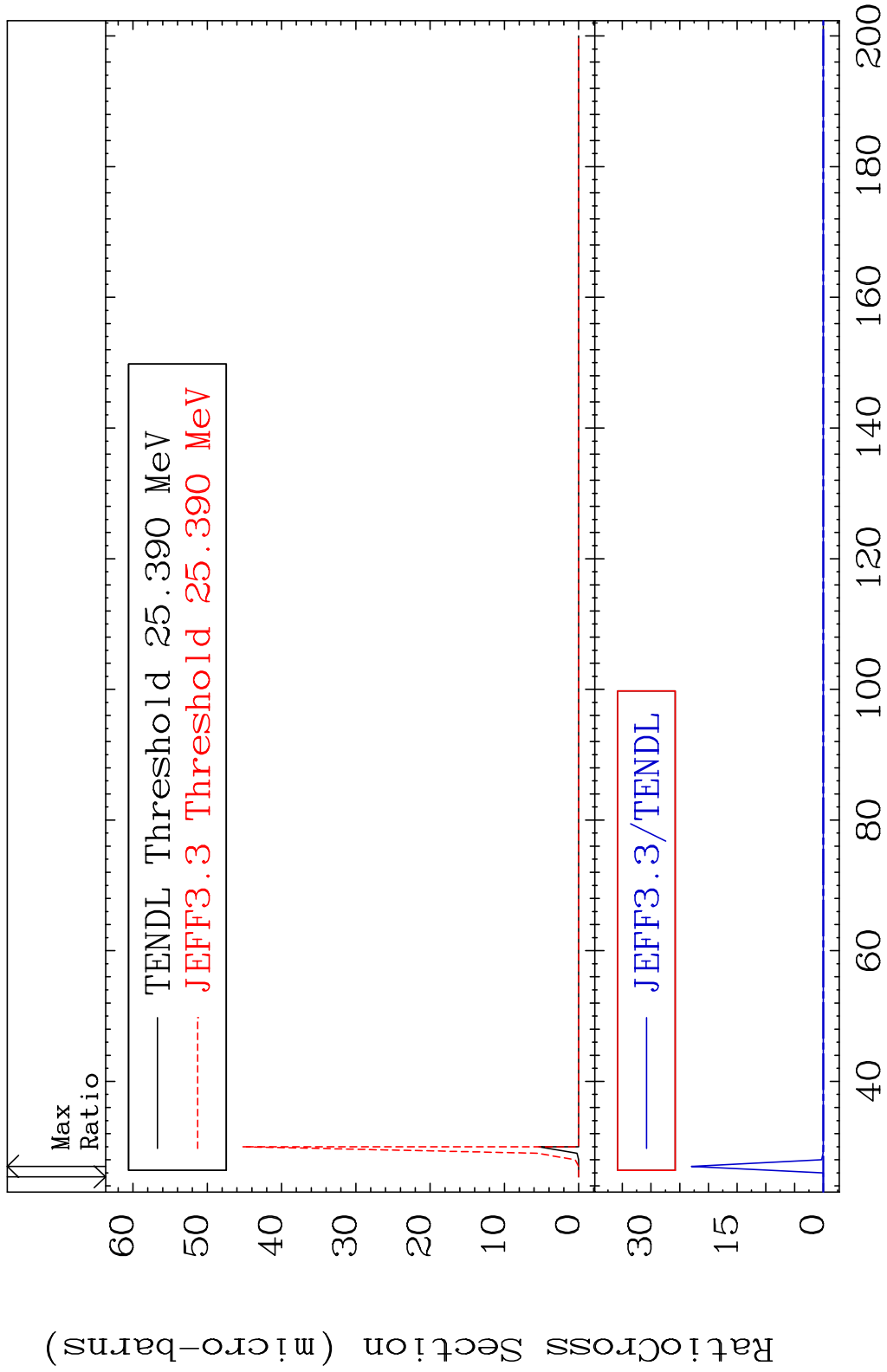


MAT 4455 (n,2n) p 44-Ru-106
 Cross Section -1.512 To 9999. %



15 Incident Energy (eV) 44-Ru-106

MAT 4455 (n,3n) p 44-Ru-106
 Cross Section -100.0 To 9999. %

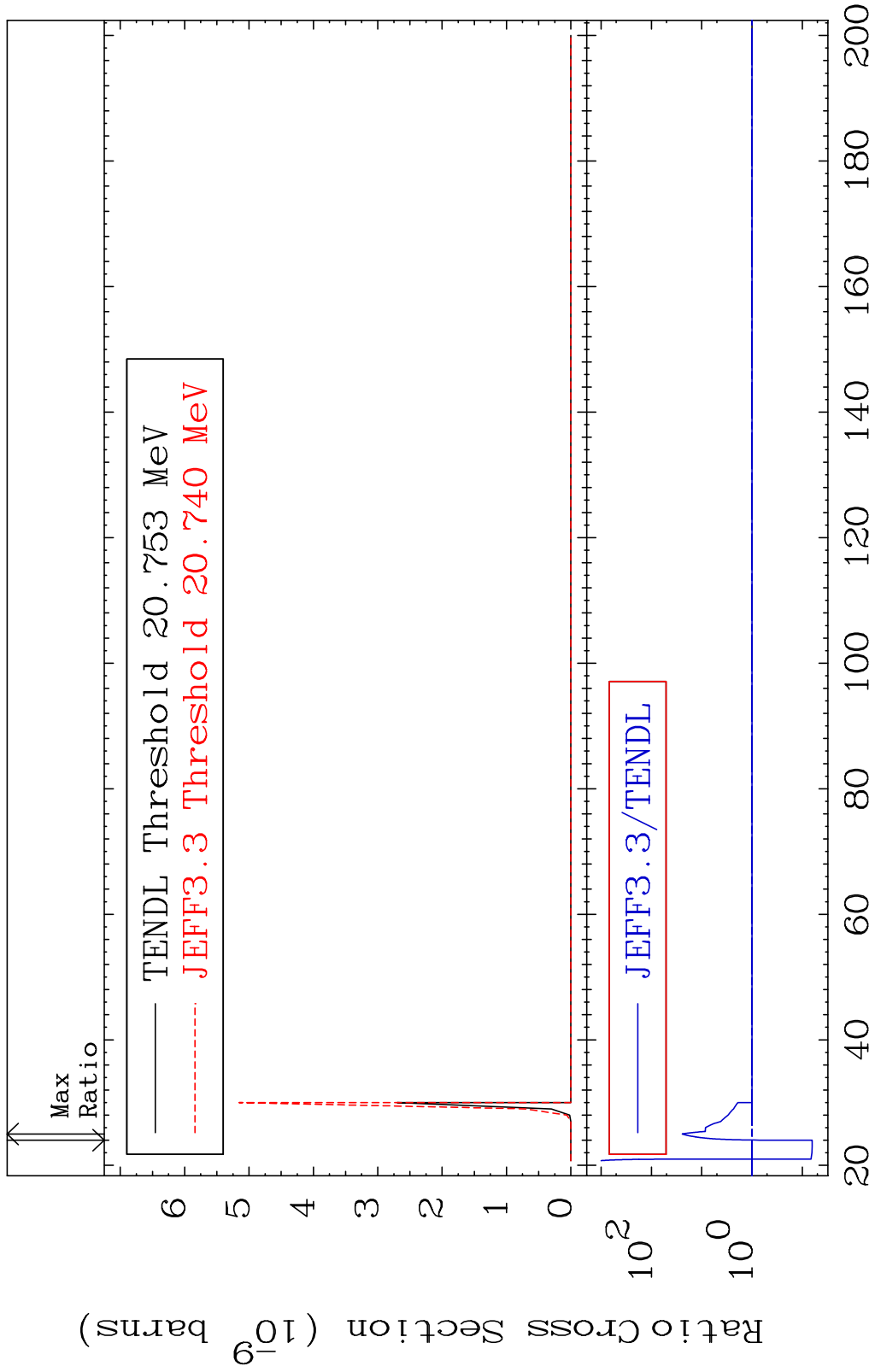


MAT 4455

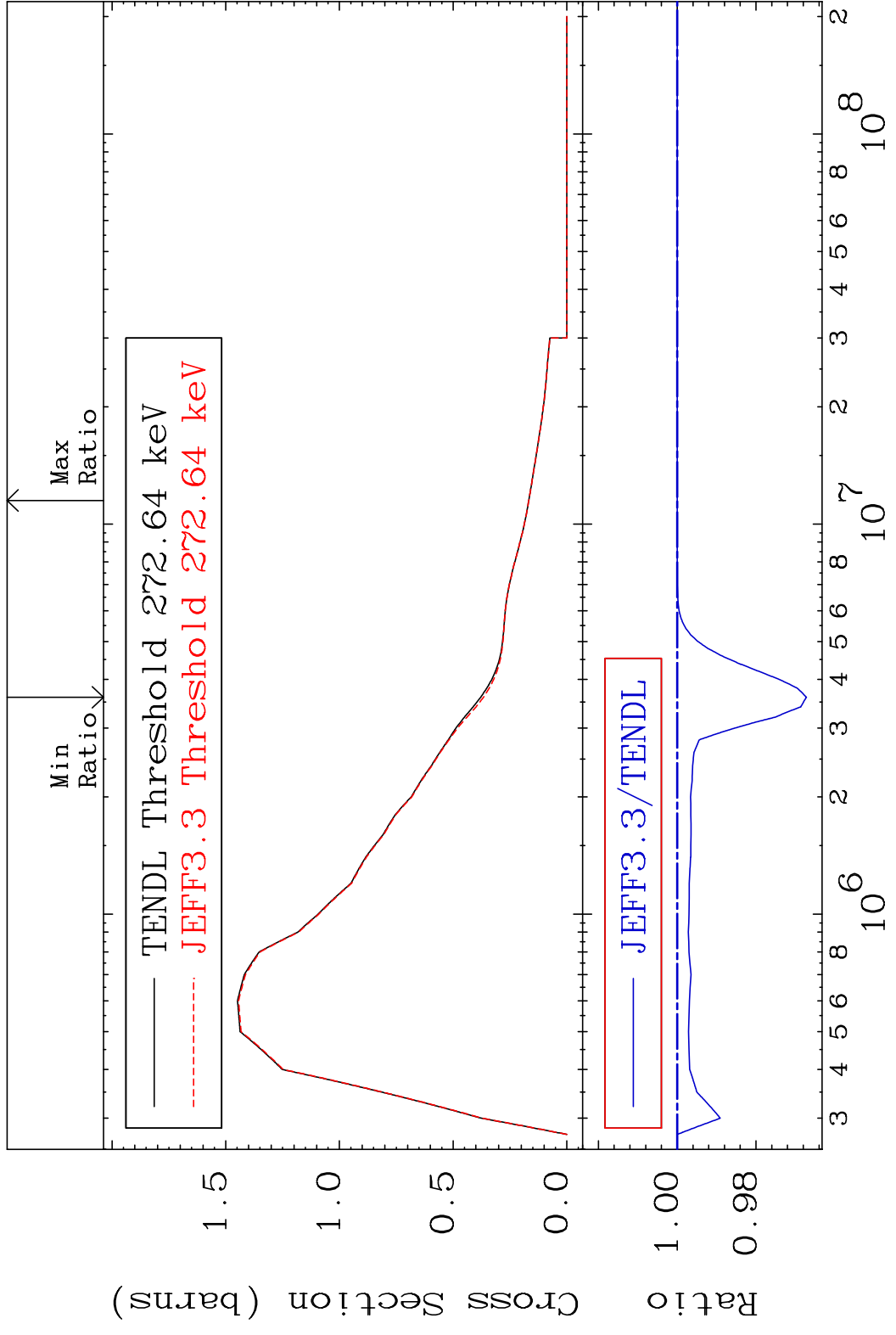
(n,2n) p

44-Ru-106

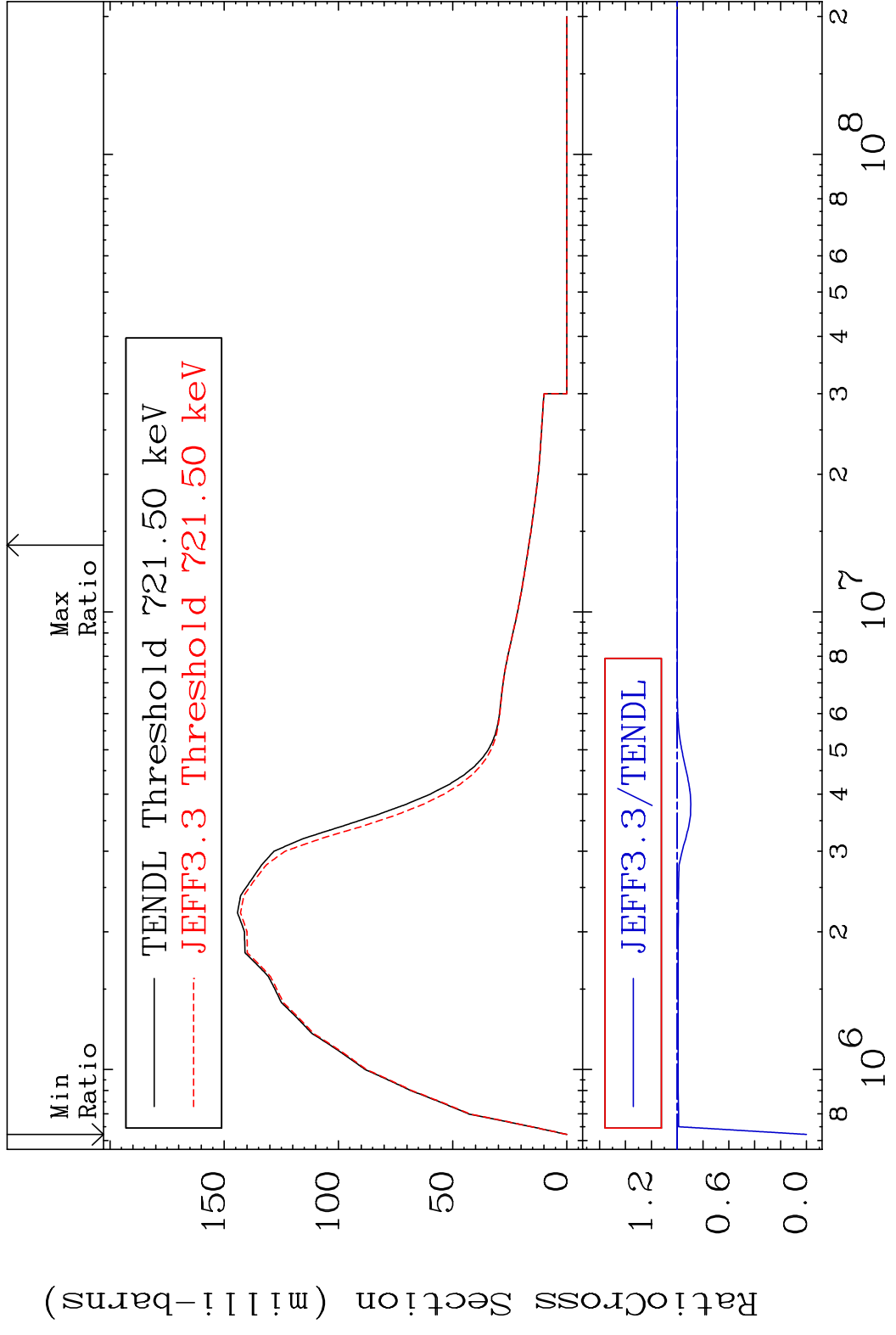
Cross Section -93.63 To 2363. %



MAT 4455 MT= 51 (n,n') Level 44-Ru-106
 Cross Section -3.278 To 0.000 %

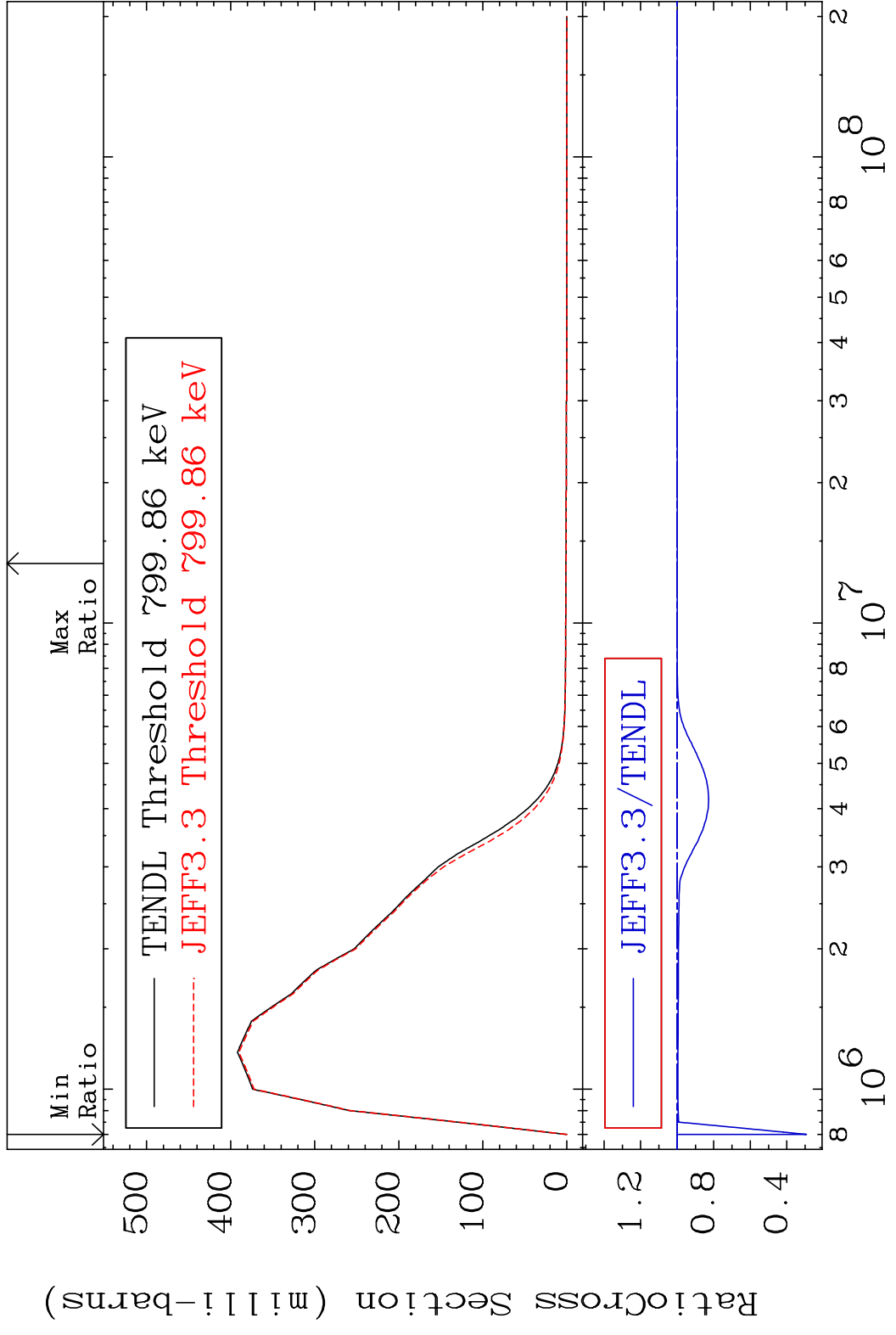


MAT 4455 MT= 52 (n, n') Level 44-Ru-106
 Cross Section -100.0 To 0.000 %

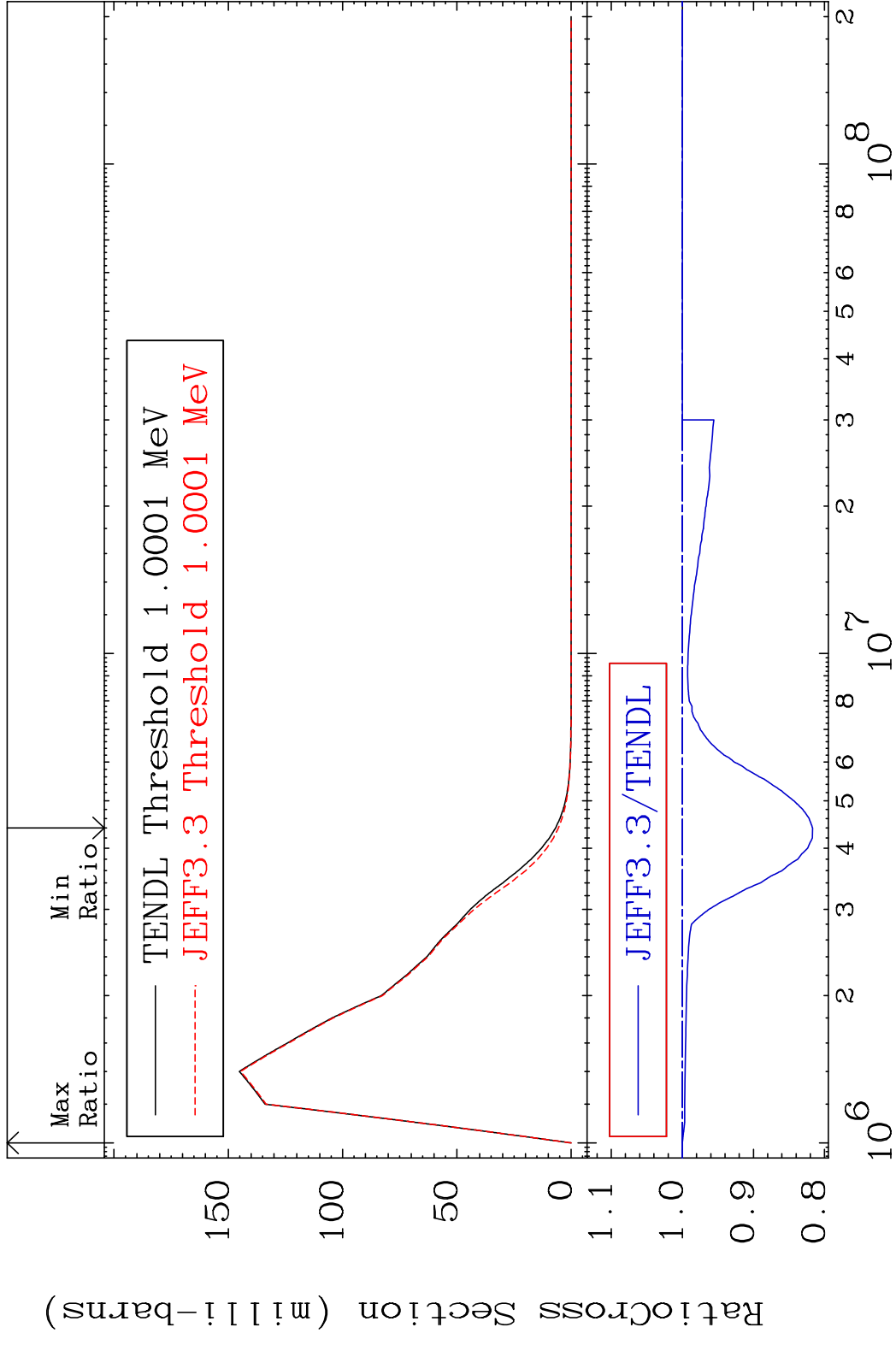


19 Incident Energy (eV) 44-Ru-106

MAT 4455 MT= 53 (n, n') Level 44-Ru-106
 Cross Section -70.72 To 0.000 %

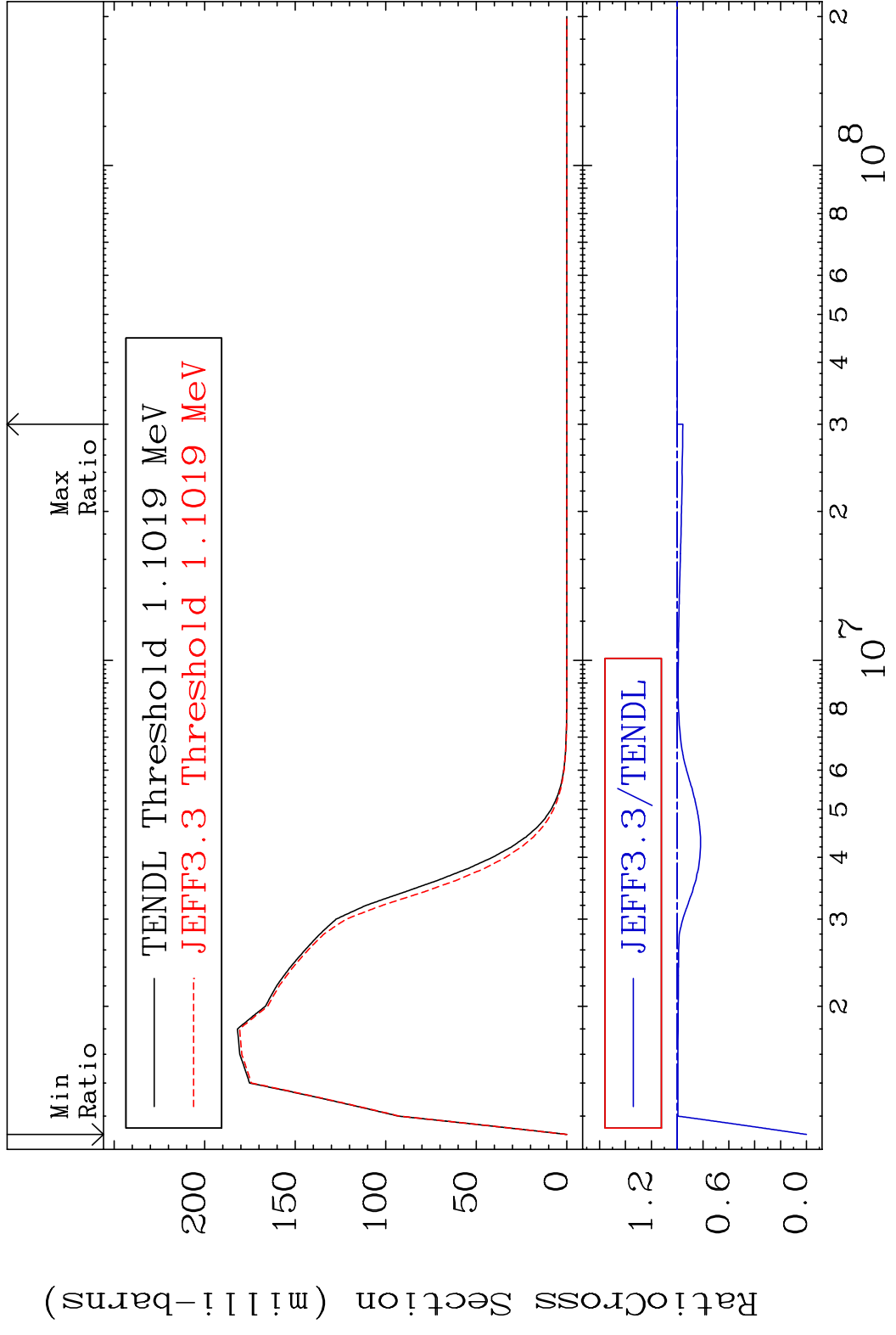


MAT 4455 MT= 54 (n,n') Level 44-Ru-106
 Cross Section -18.31 To 0.000 %

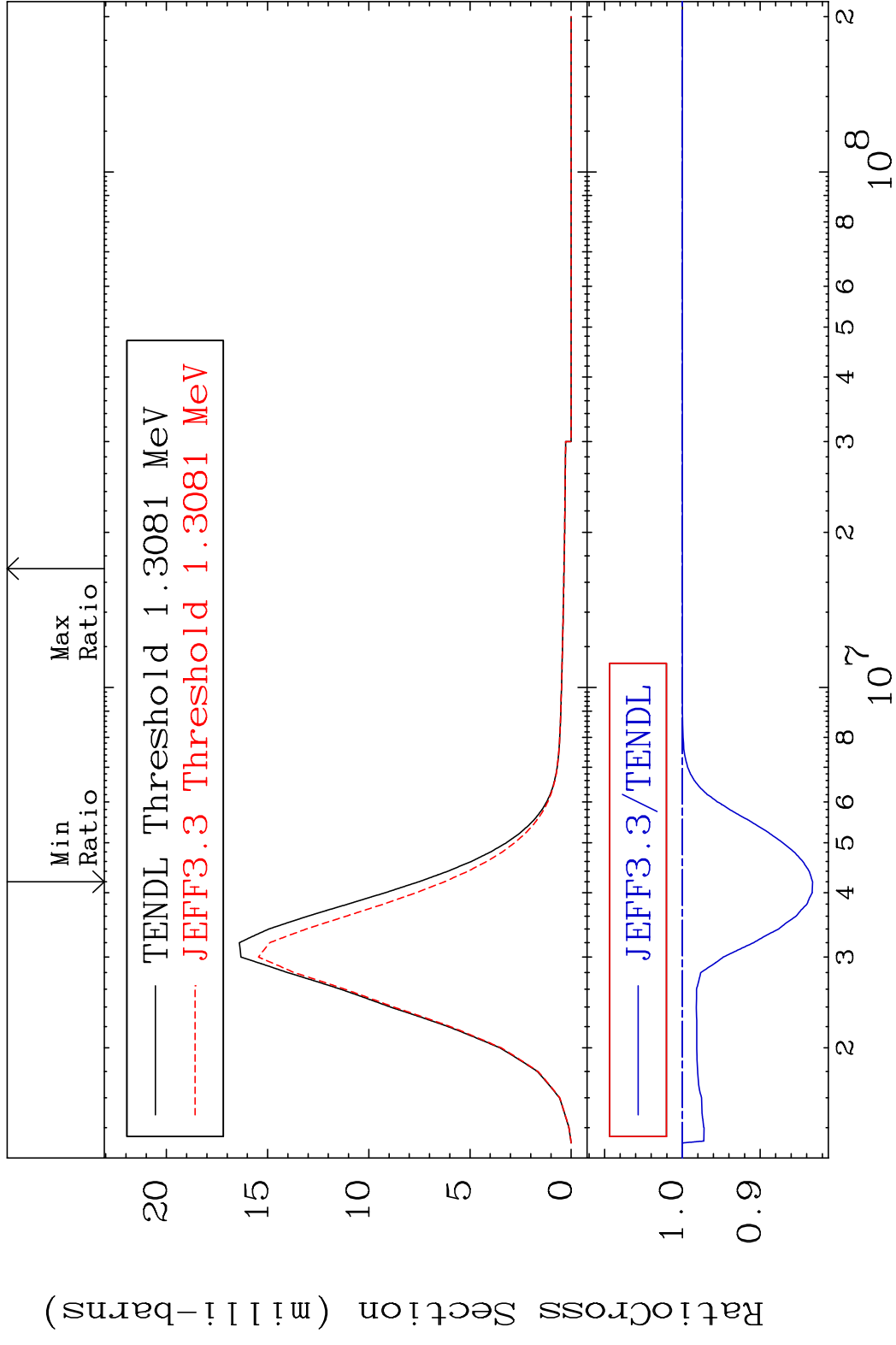


21 Incident Energy (eV) 44-Ru-106

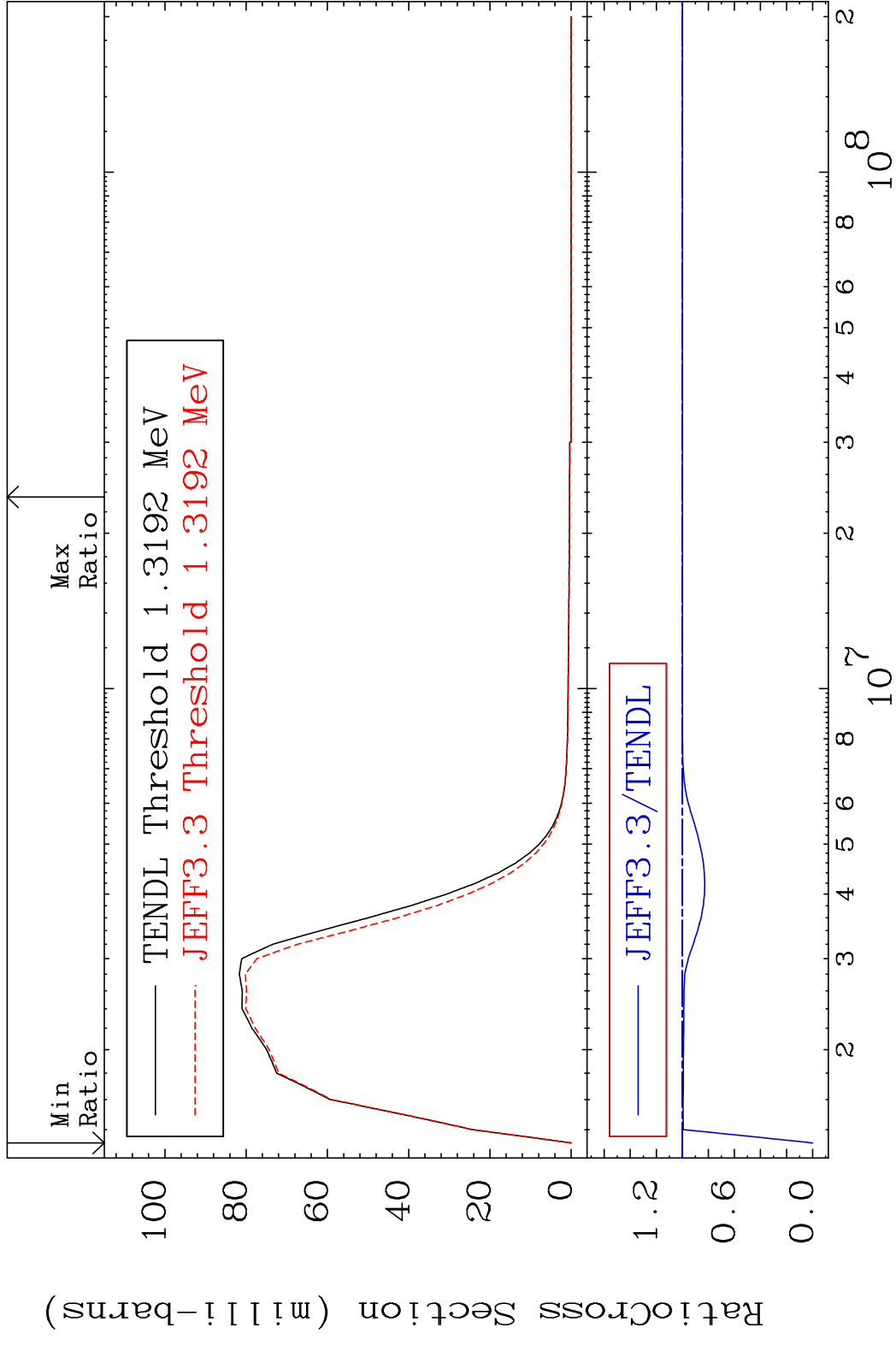
MAT 4455 MT= 55 (n, n') Level 44-Ru-106
 Cross Section -100.0 To 0.000 %



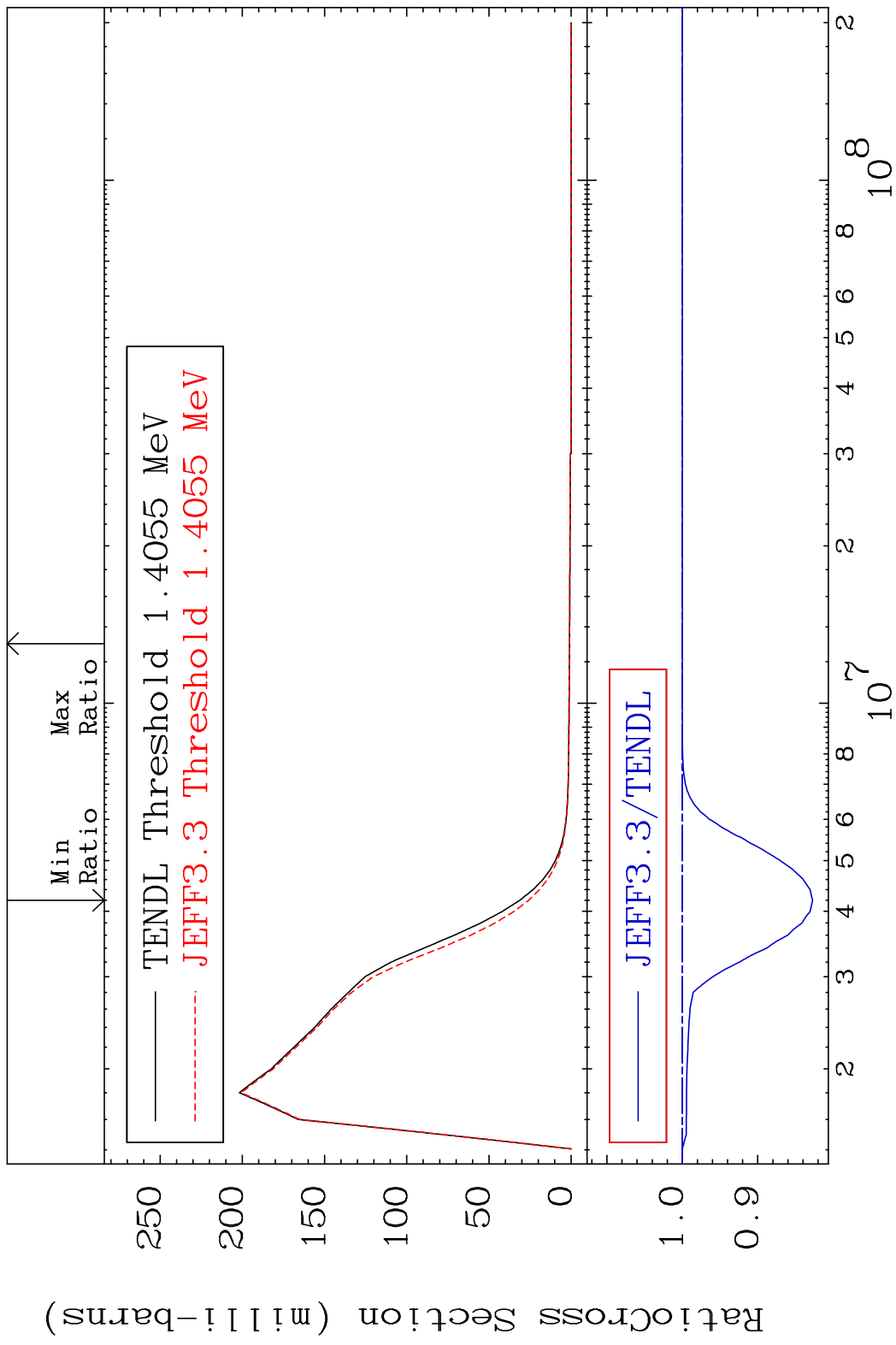
MAT 4455 MT= 56 (n, n') Level 44-Ru-106
 Cross Section -16.75 To 0.000 %



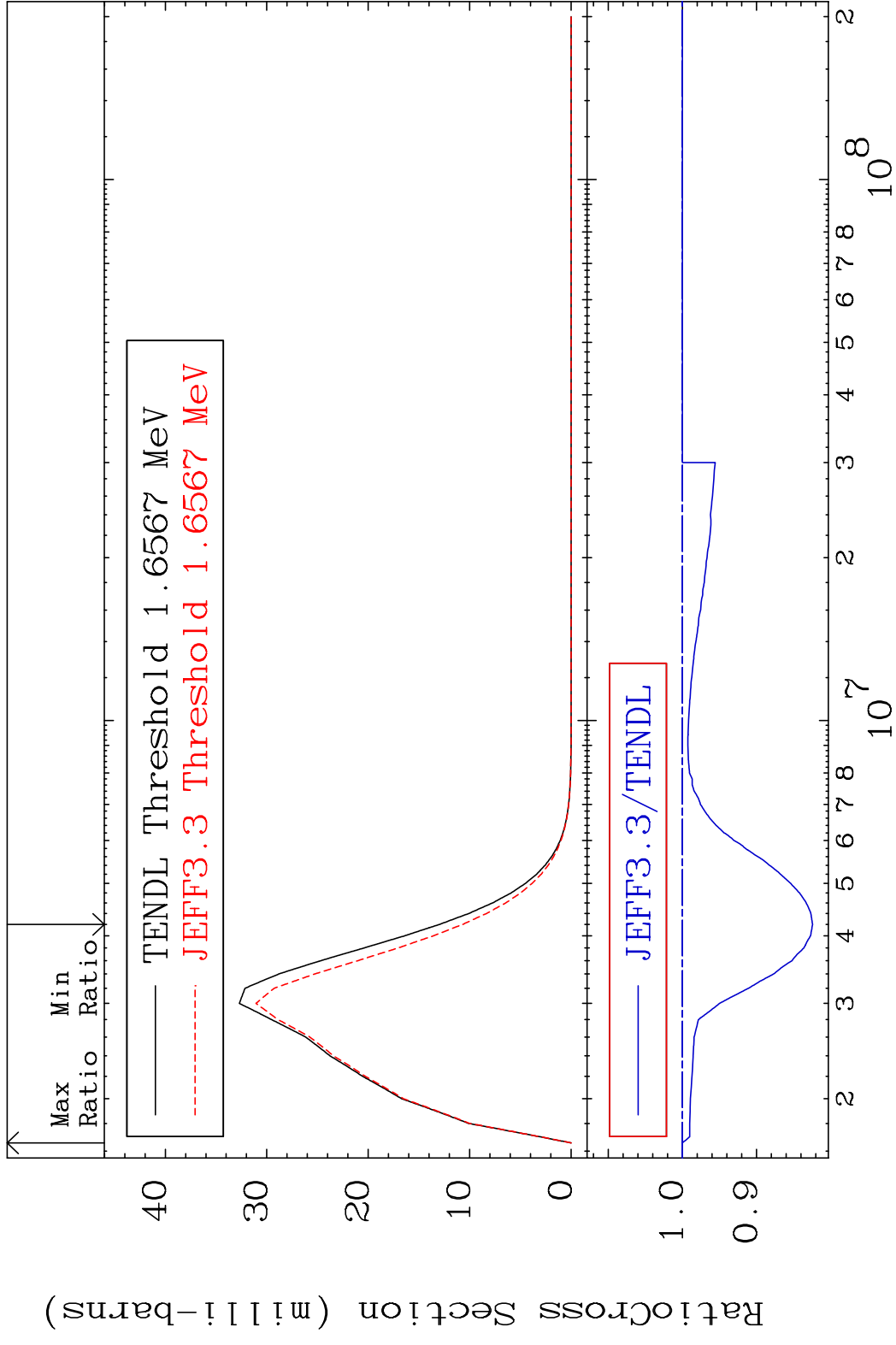
MAT 4455 MT= 57 (n, n') Level 44-Ru-106
 Cross Section -100.0 To 0.000 %



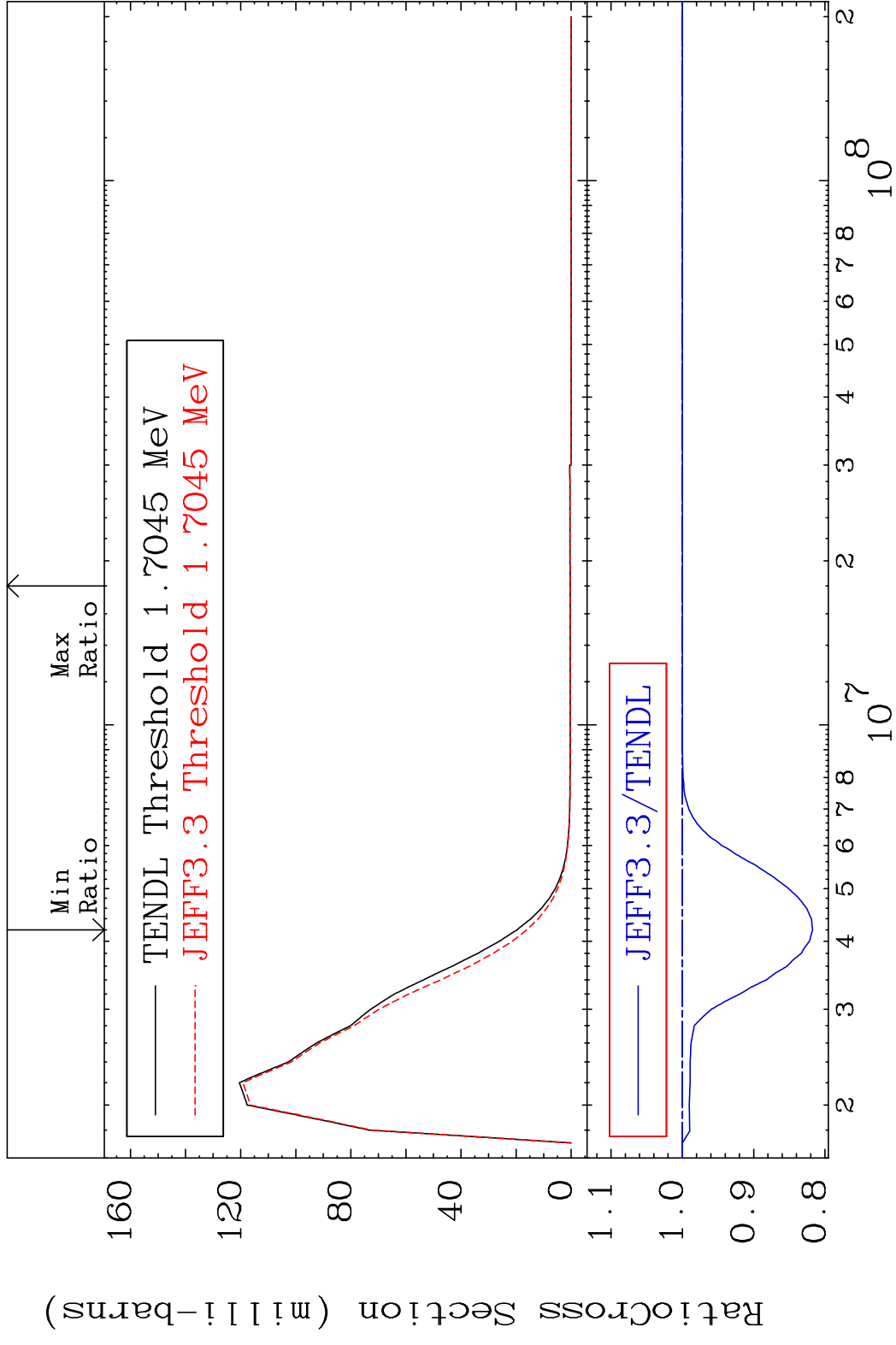
MAT 4455 MT= 58 (n,n') Level 44-Ru-106
 Cross Section -17.27 To 0.000 %



MAT 4455 MT= 59 (n,n') Level 44-Ru-106
 Cross Section -17.57 To 0.000 %



MAT 4455 MT= 60 (n, n') Level 44-Ru-106
 Cross Section -18.25 To 0.000 %

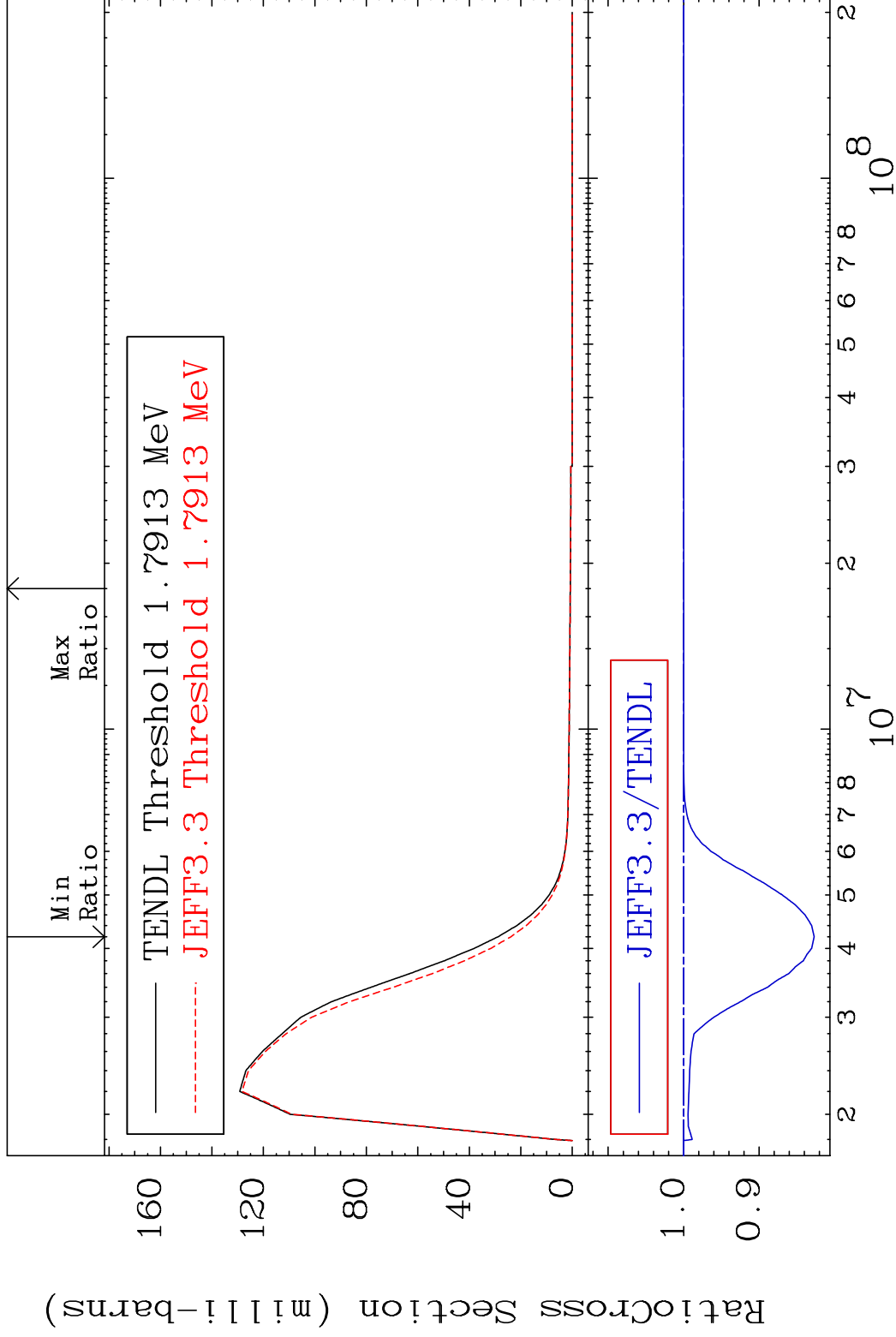


MAT 4455

MT= 61 (n, n') Level

44-Ru-106

Cross Section -17.28 To 0.000 %



28

Incident Energy (eV)

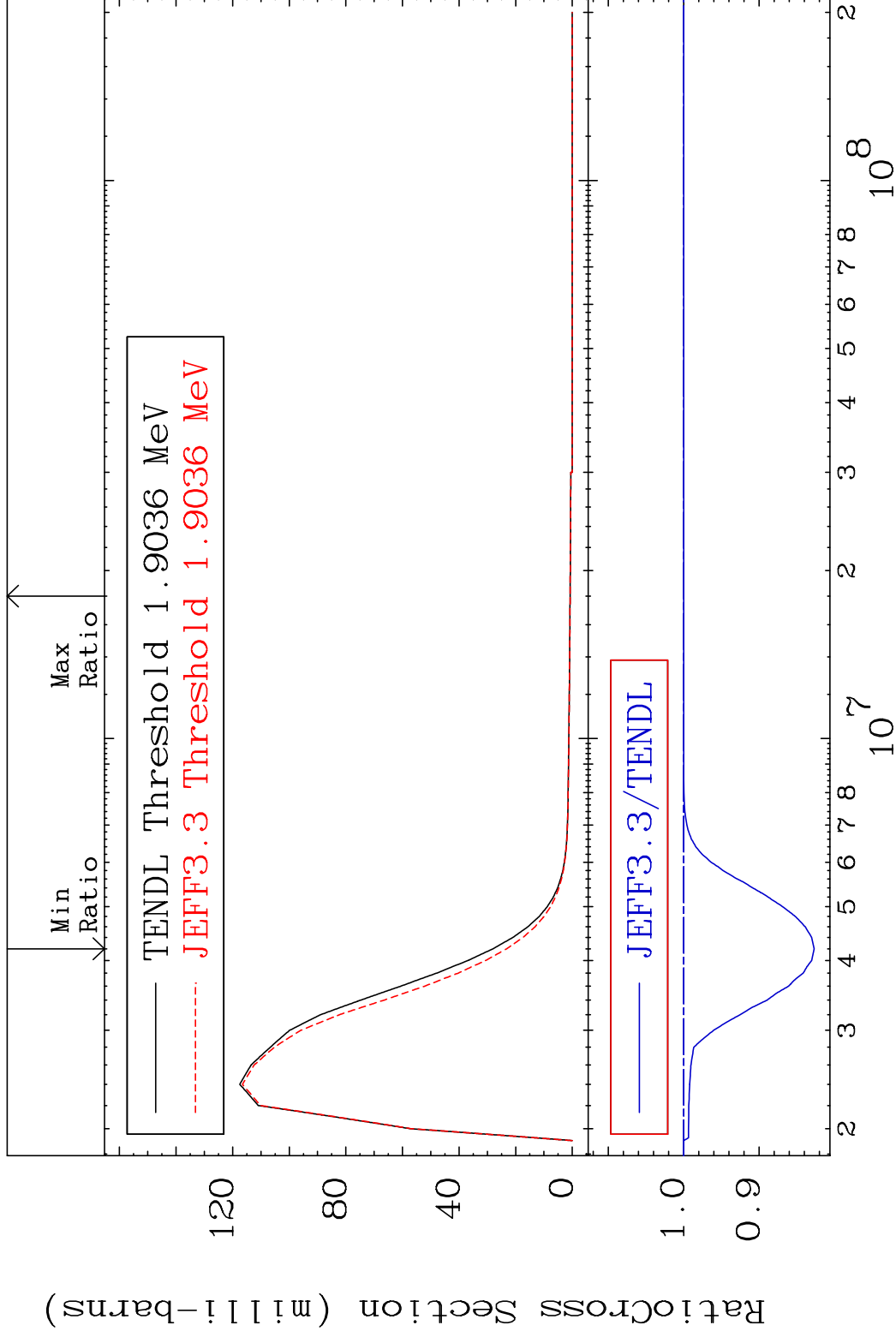
44-Ru-106

MAT 4455

MT= 62 (n, n') Level

44-Ru-106

Cross Section -17.29 To 0.000 %

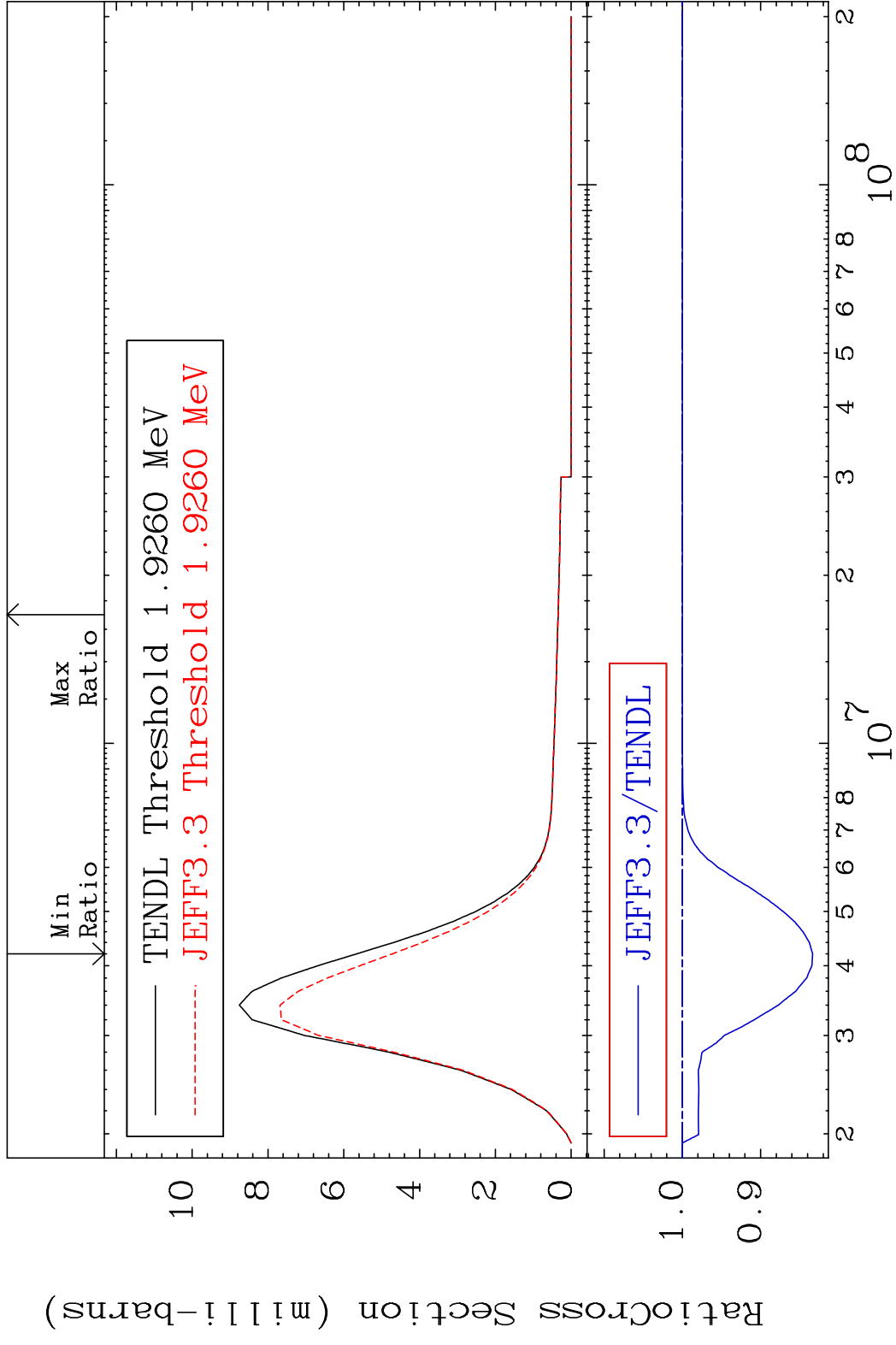


29

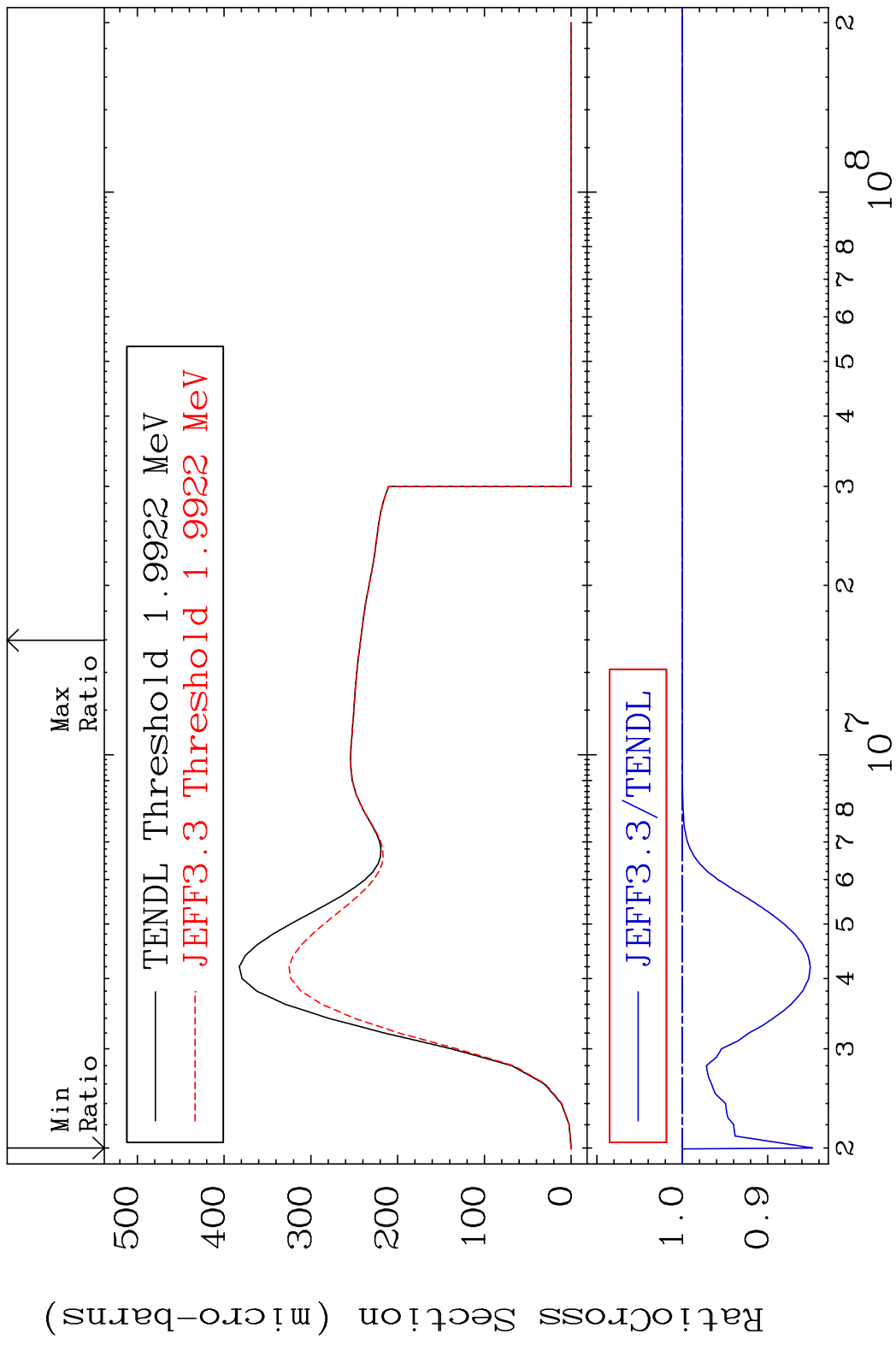
Incident Energy (eV)

44-Ru-106

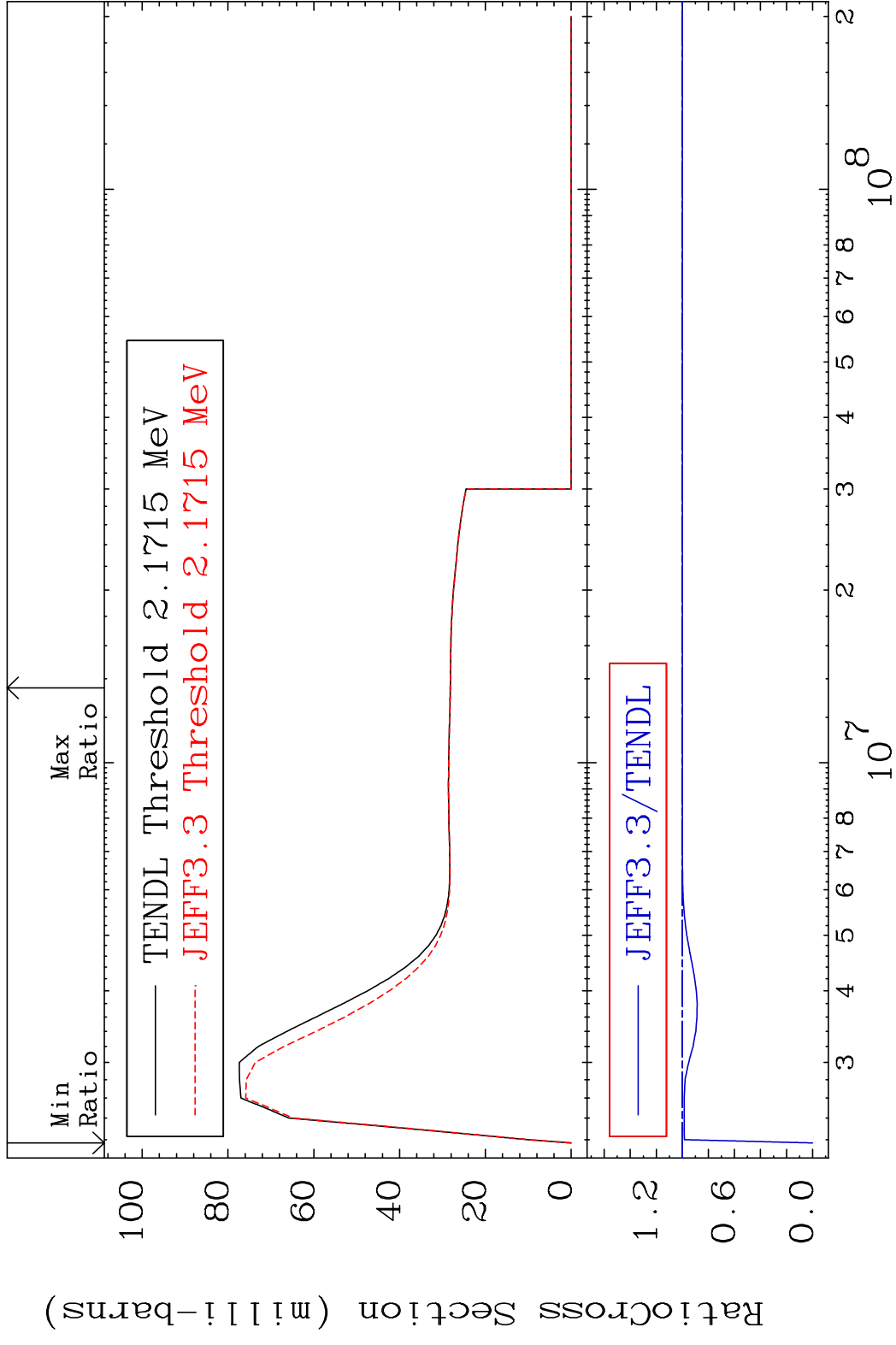
MAT 4455 MT= 63 (n, n') Level 44-Ru-106
 Cross Section -16.64 To 0.000 %



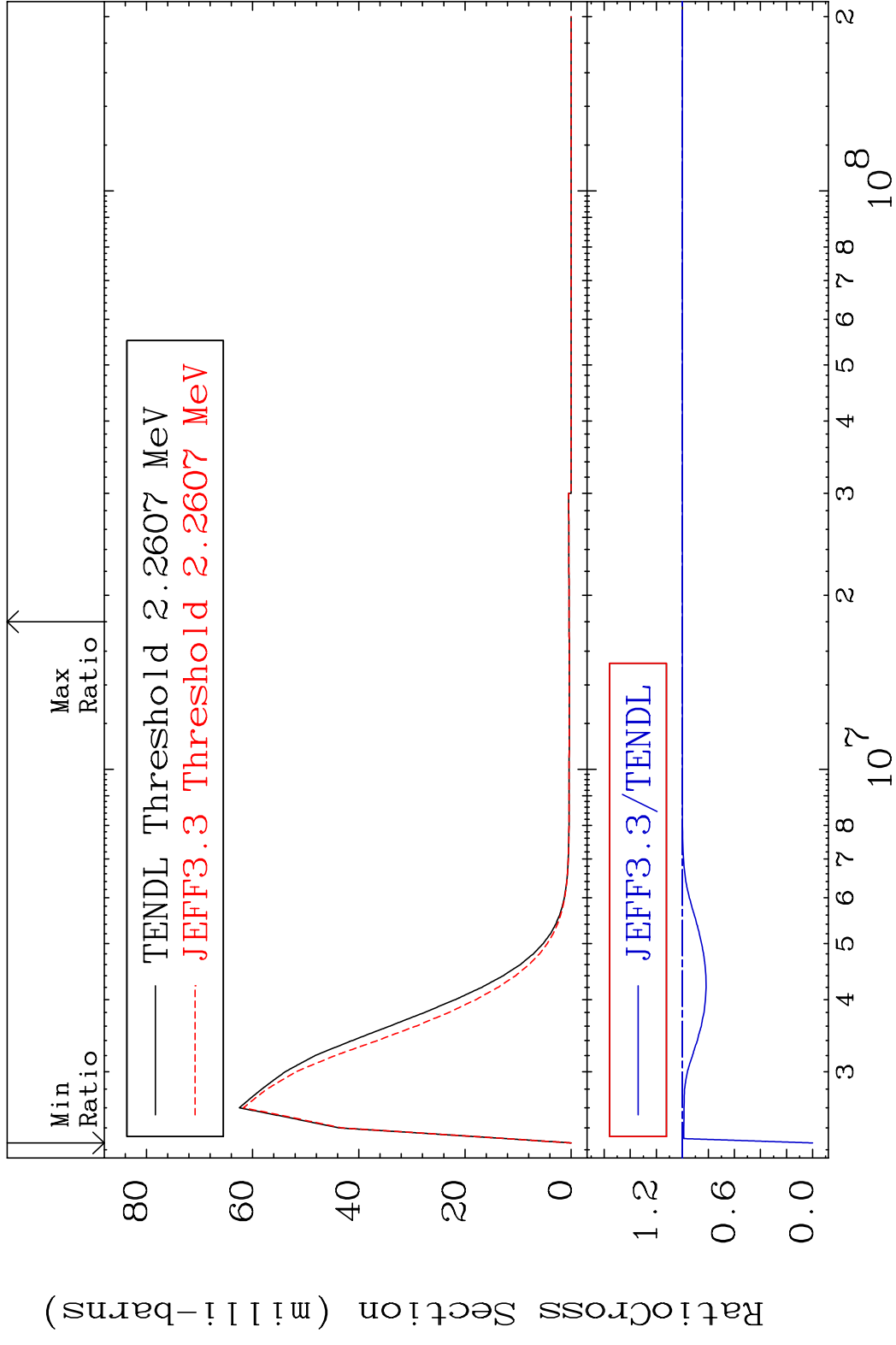
MAT 4455 MT= 64 (n, n') Level 44-Ru-106
 Cross Section -15.24 To 0.000 %



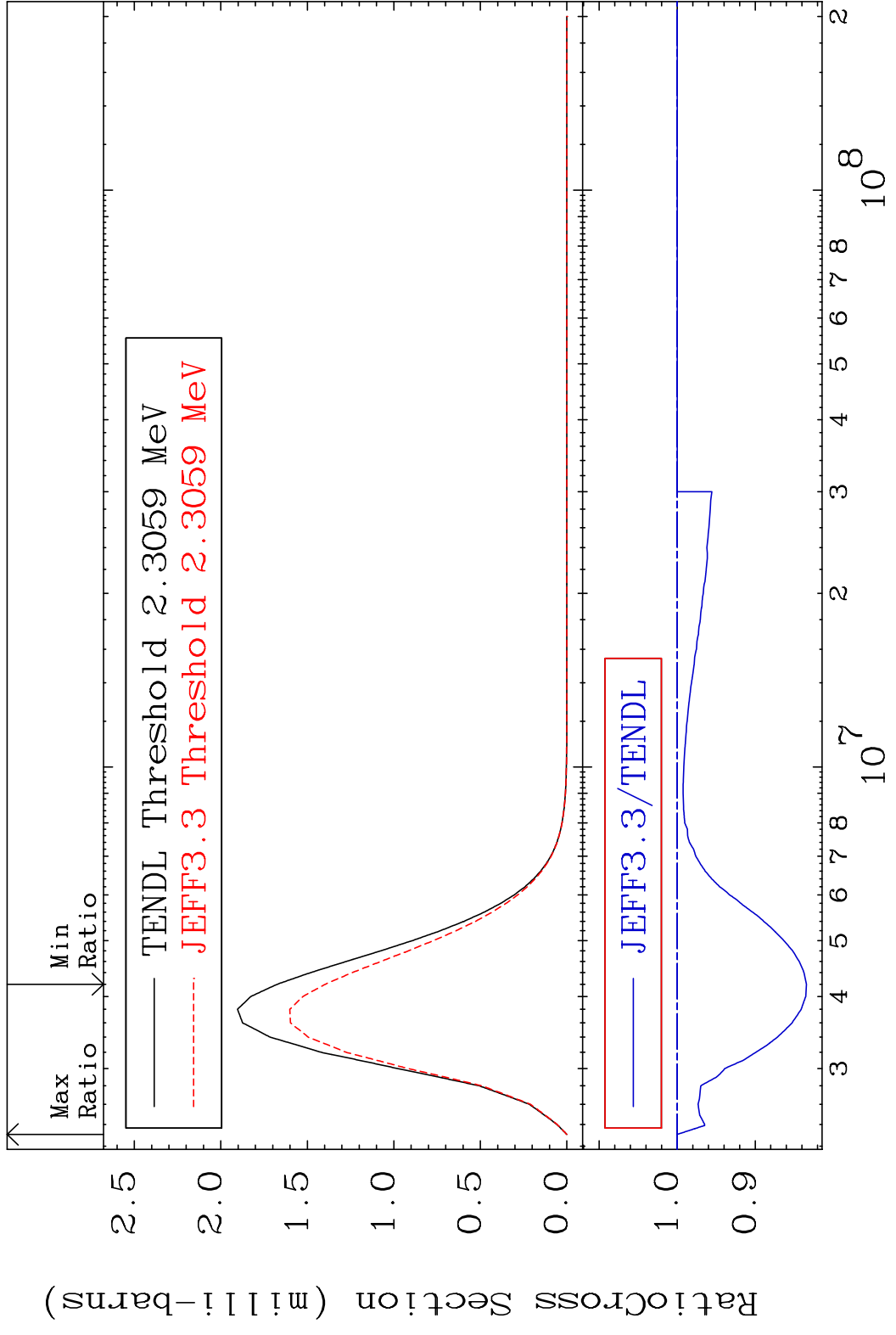
MAT 4455 MT= 65 (n, n') Level 44-Ru-106
 Cross Section -100.0 To 0.000 %



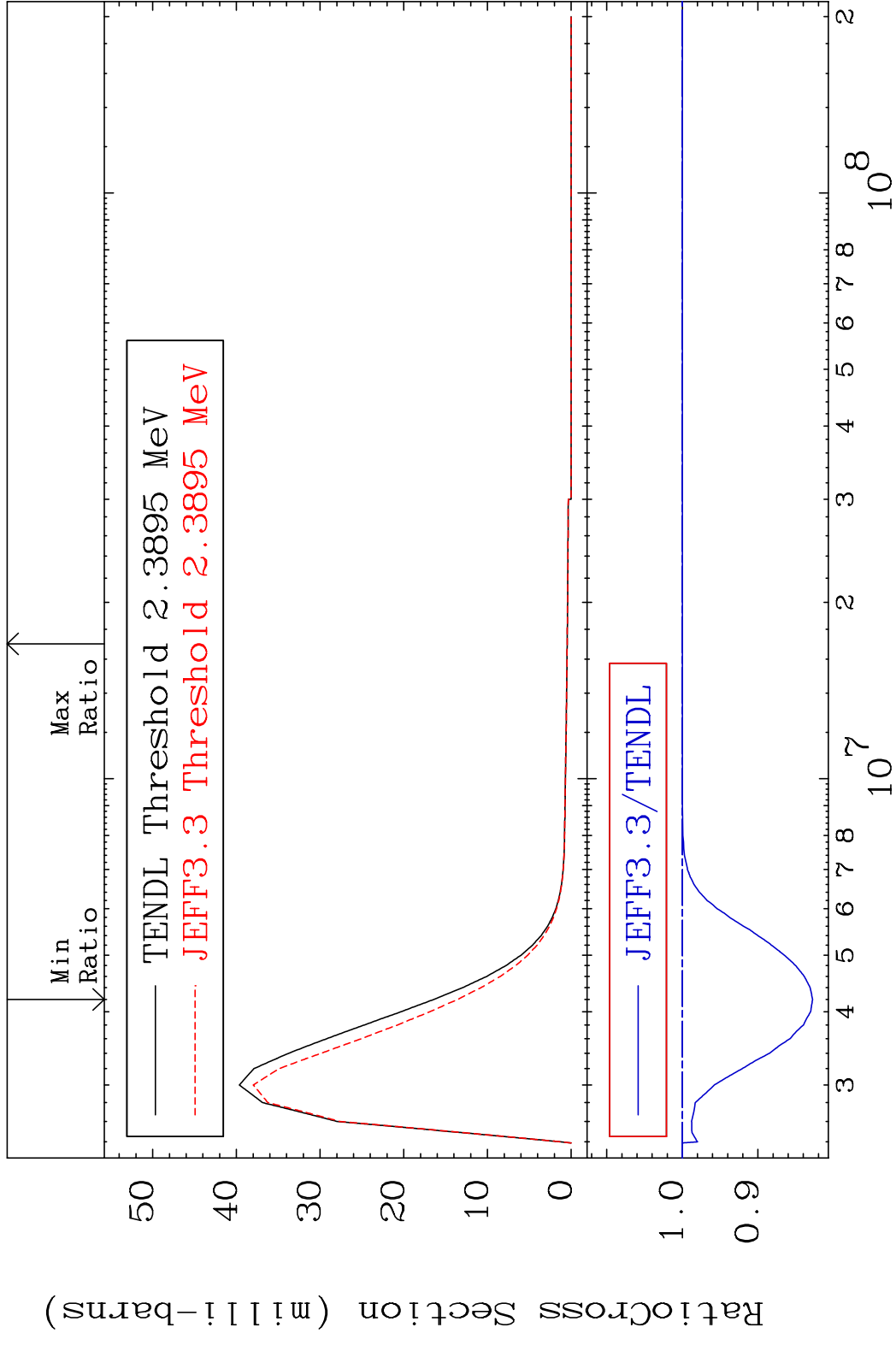
MAT 4455 MT= 66 (n, n') Level 44-Ru-106
 Cross Section -100.0 To 0.000 %



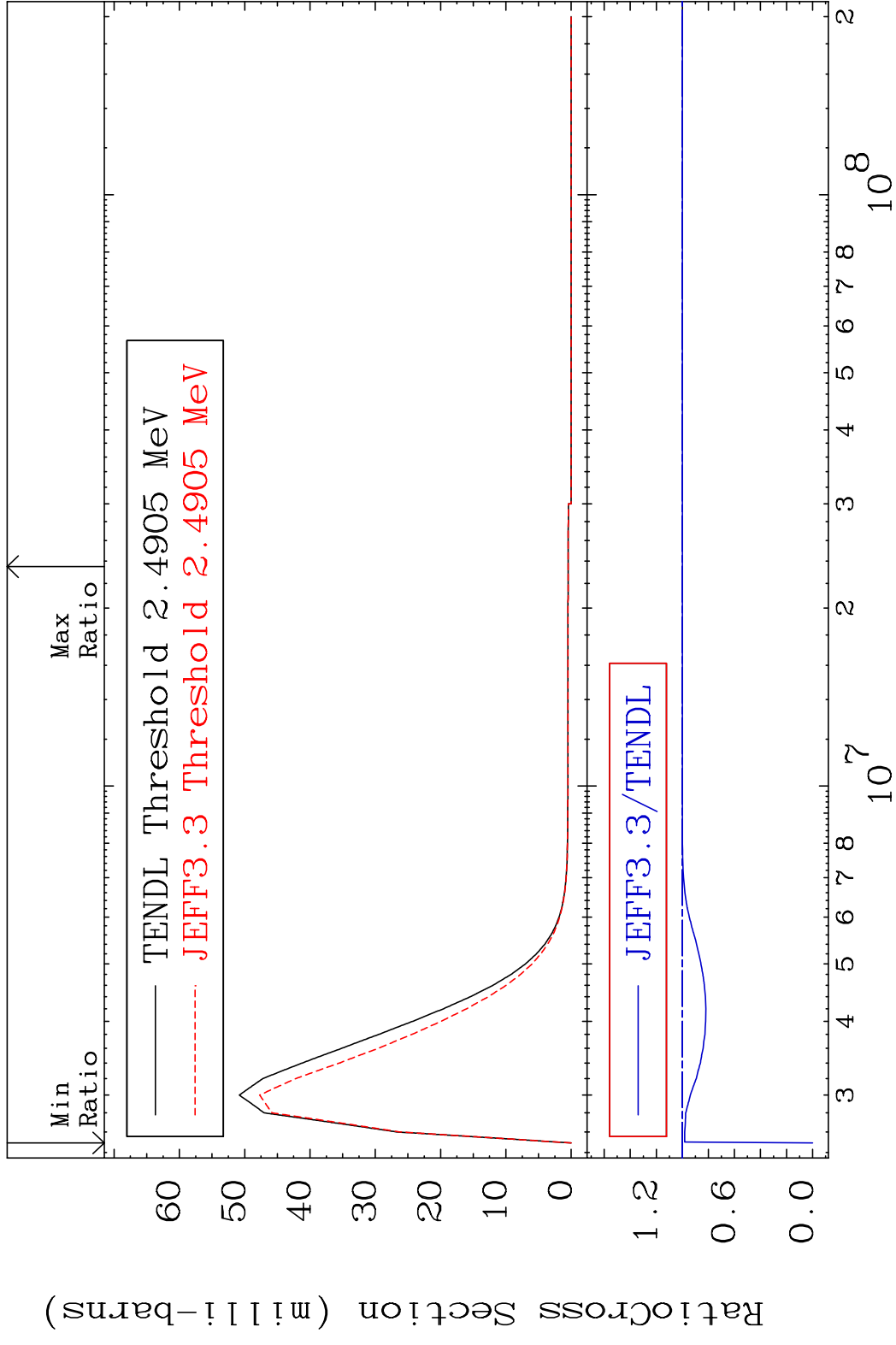
MAT 4455 MT= 67 (n, n') Level 44-Ru-106
 Cross Section -16.56 To 0.000 %



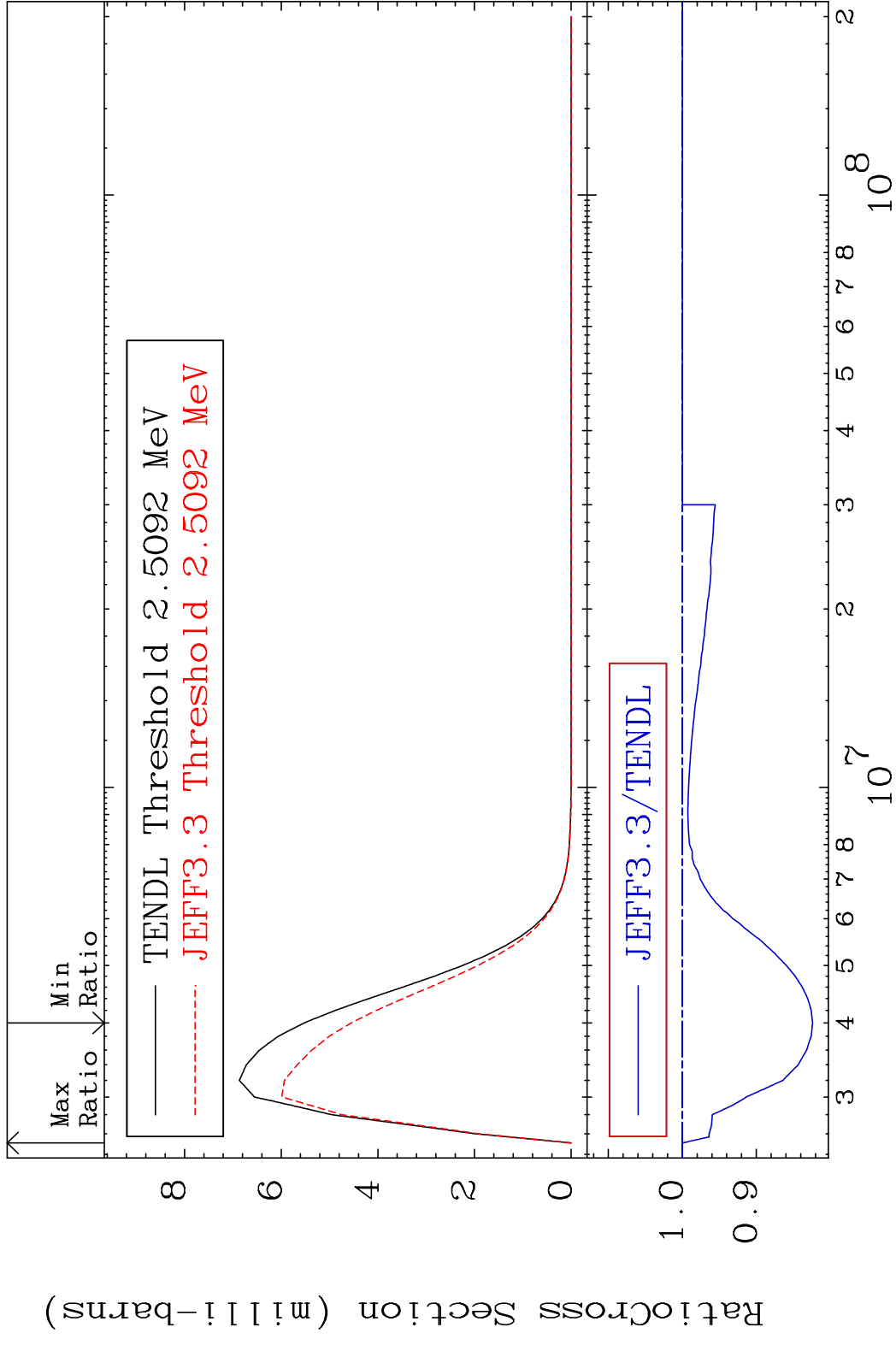
MAT 4455 MT= 68 (n, n') Level 44-Ru-106
 Cross Section -17.22 To 0.000 %



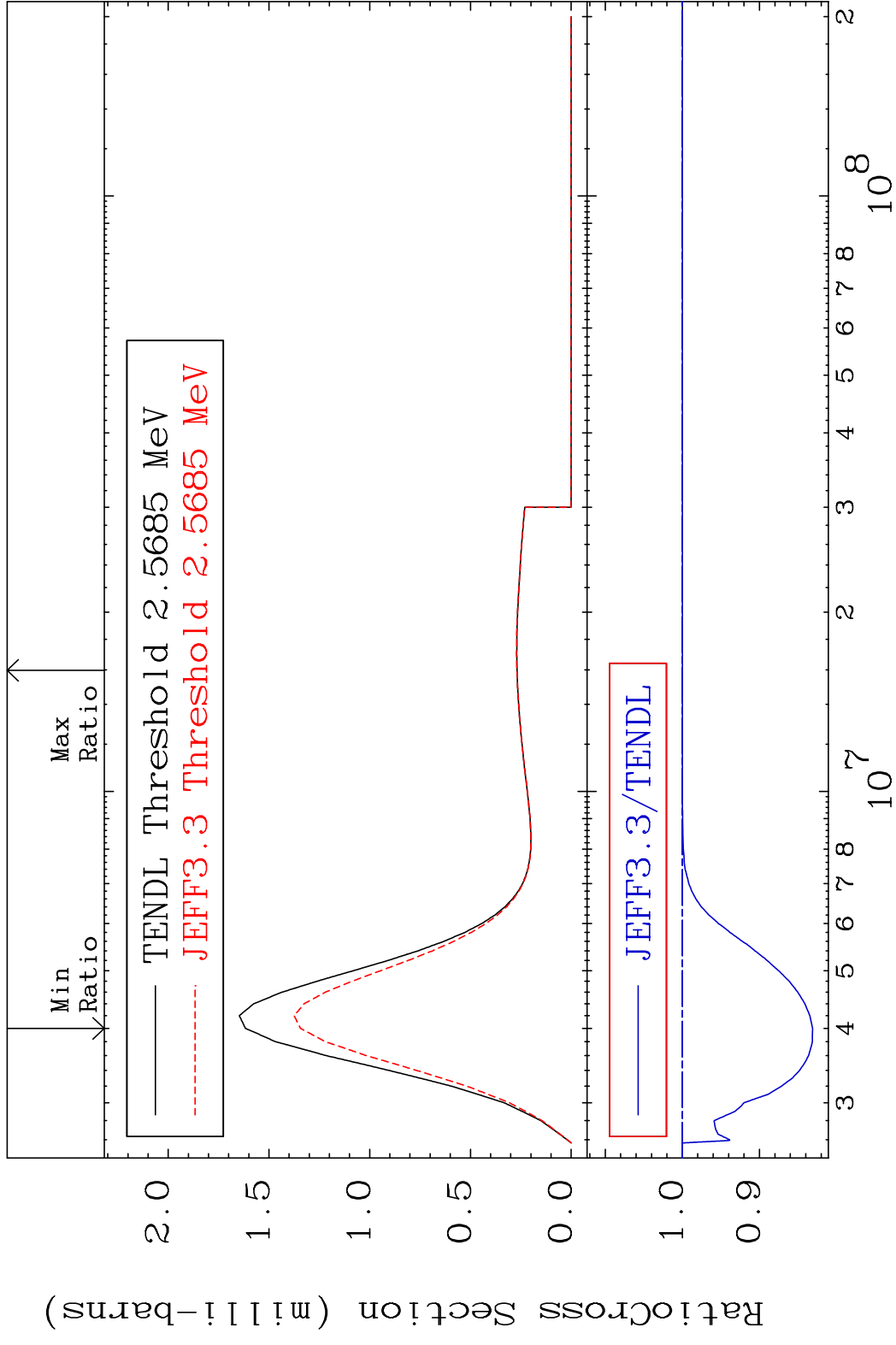
MAT 4455 MT= 69 (n, n') Level 44-Ru-106
 Cross Section -100.0 To 0.000 %



MAT 4455 MT= 70 (n,n') Level 44-Ru-106
 Cross Section -17.60 To 0.000 %



MAT 4455 MT= 71 (n, n') Level 44-Ru-106
 Cross Section -16.88 To 0.000 %

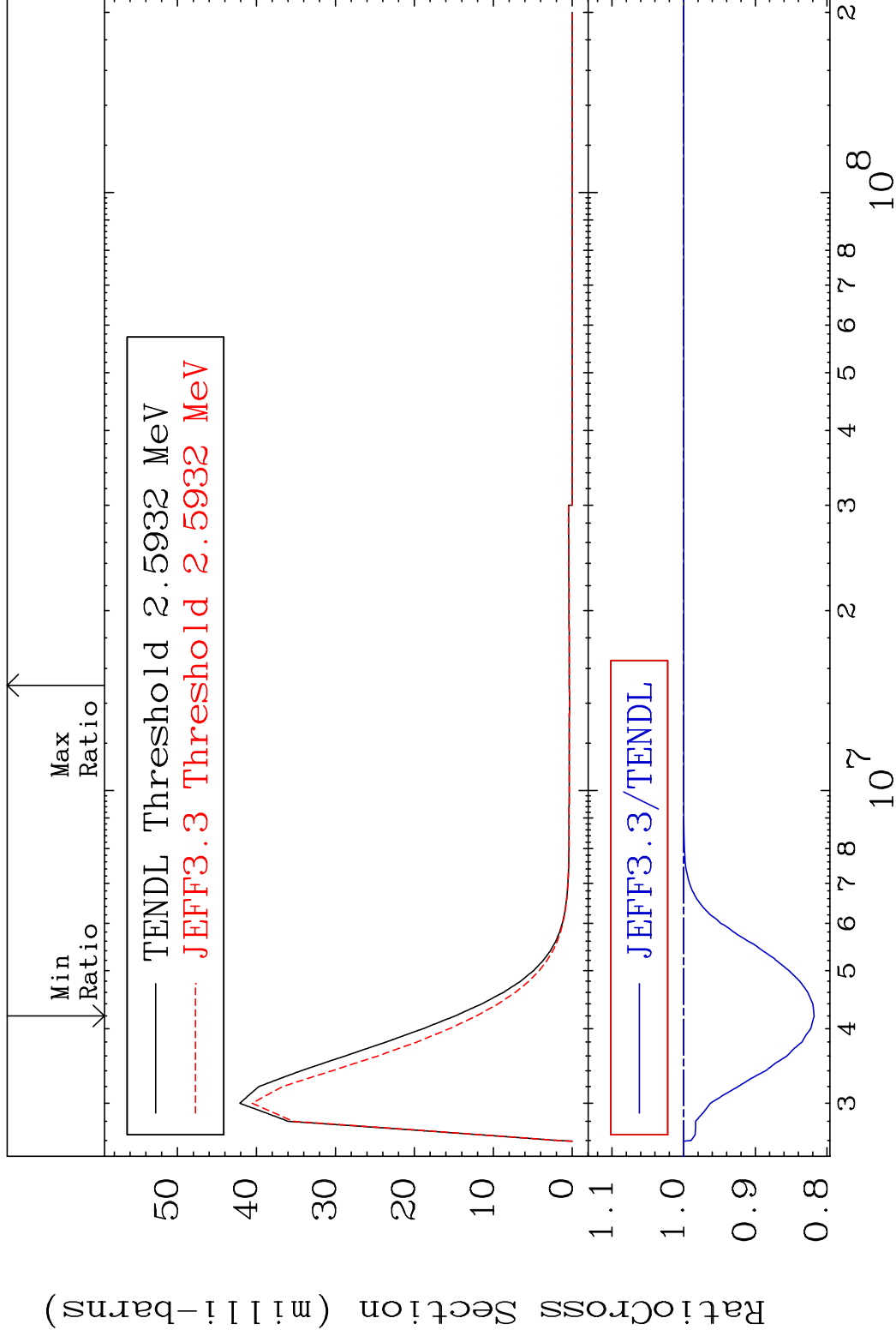


MAT 4455

MT= 72 (n, n') Level

44-Ru-106

Cross Section -18.20 To 0.000 %

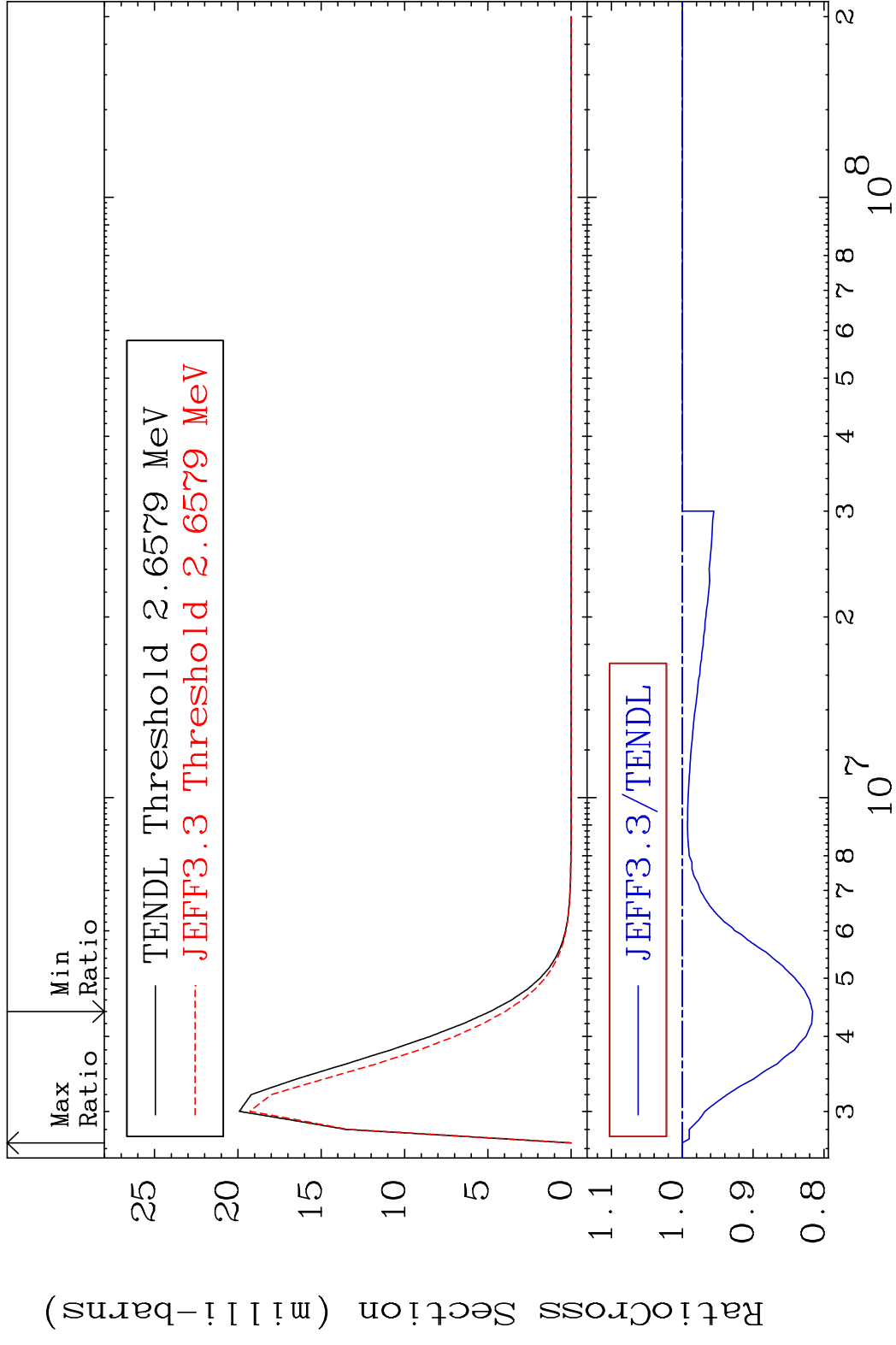


39

Incident Energy (eV)

44-Ru-106

MAT 4455 MT= 73 (n, n') Level 44-Ru-106
 Cross Section -18.40 To 0.000 %



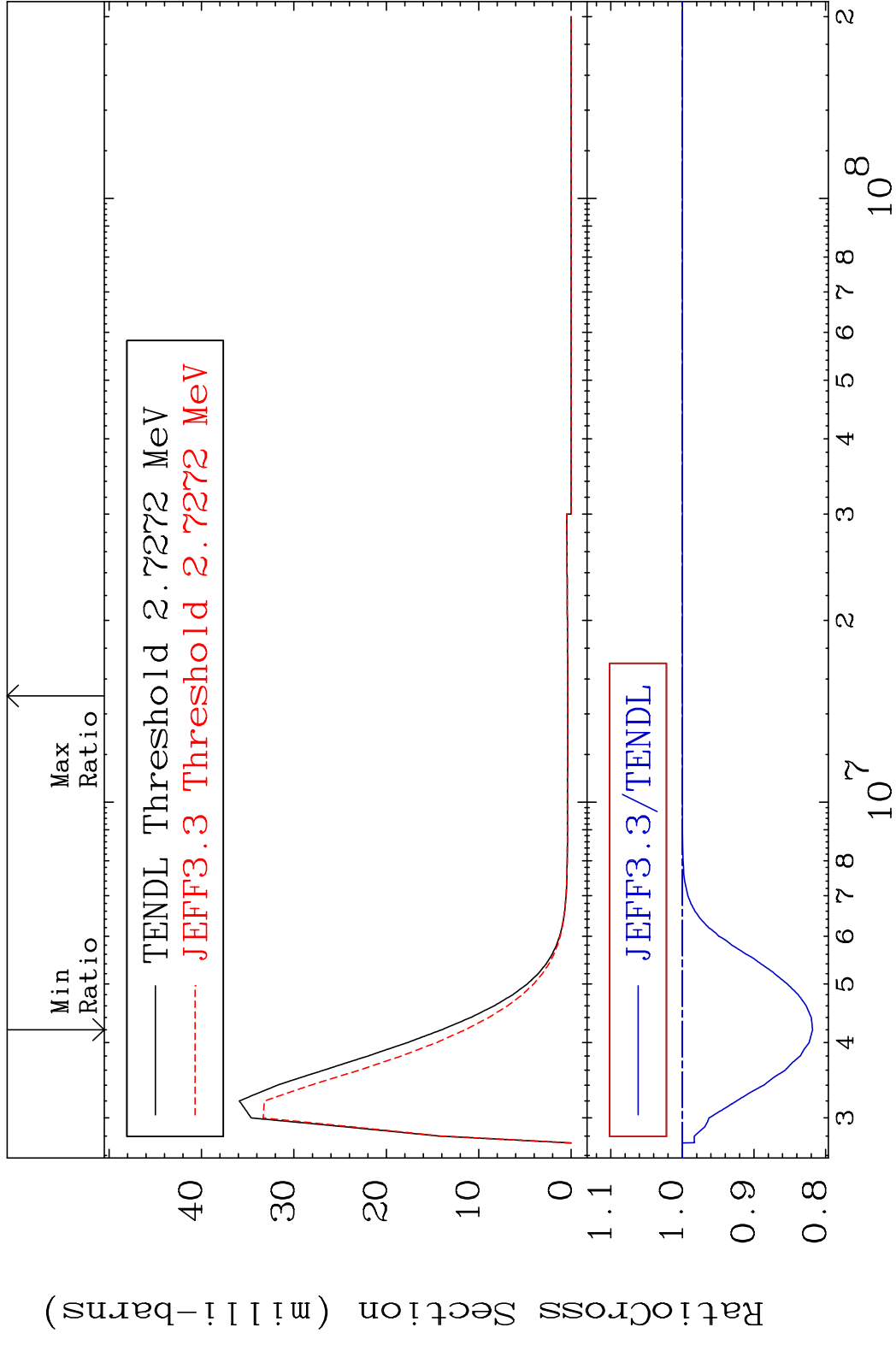
40 Incident Energy (eV) 44-Ru-106

MAT 4455

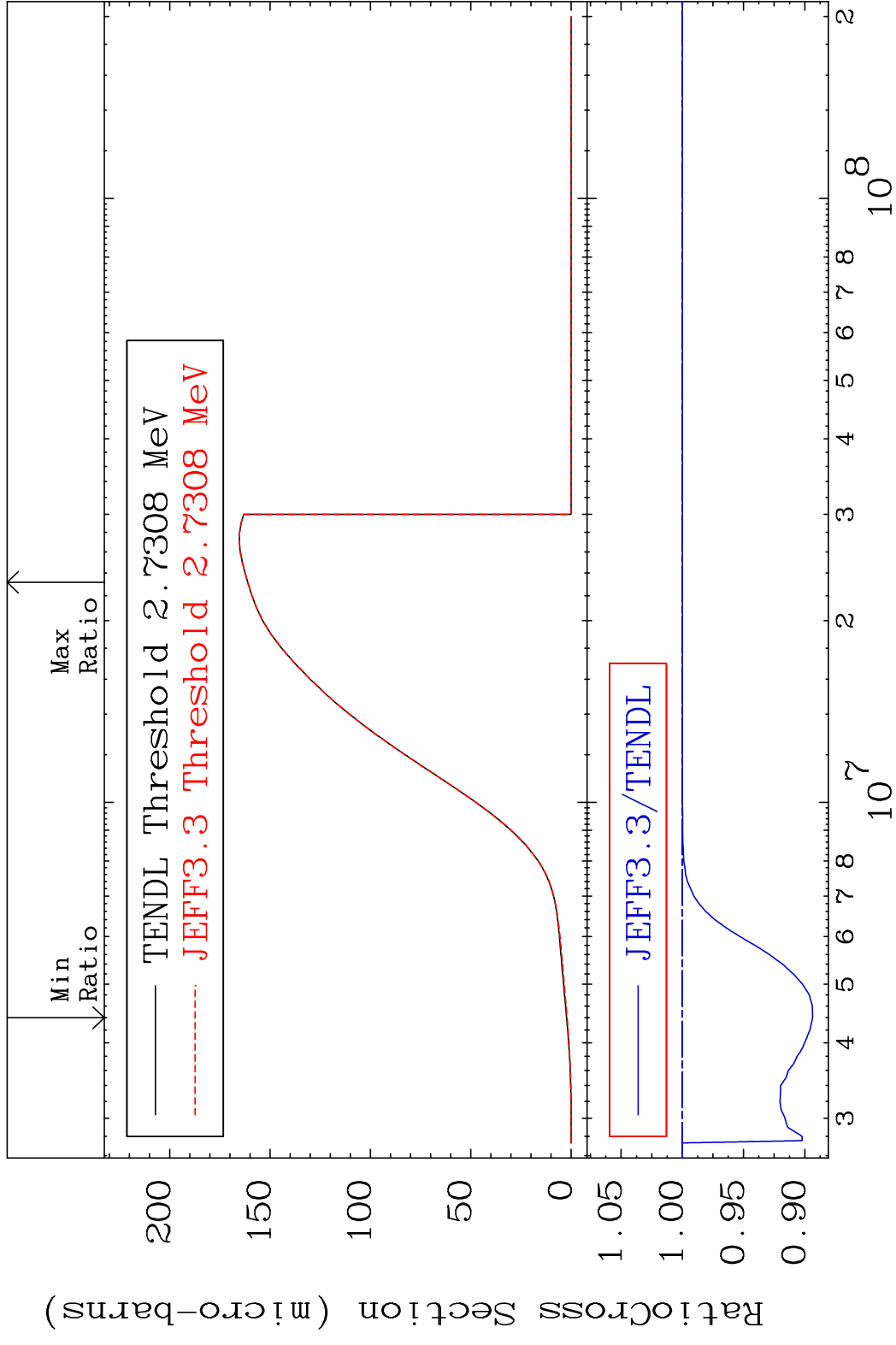
MT= 74 (n, n') Level

44-Ru-106

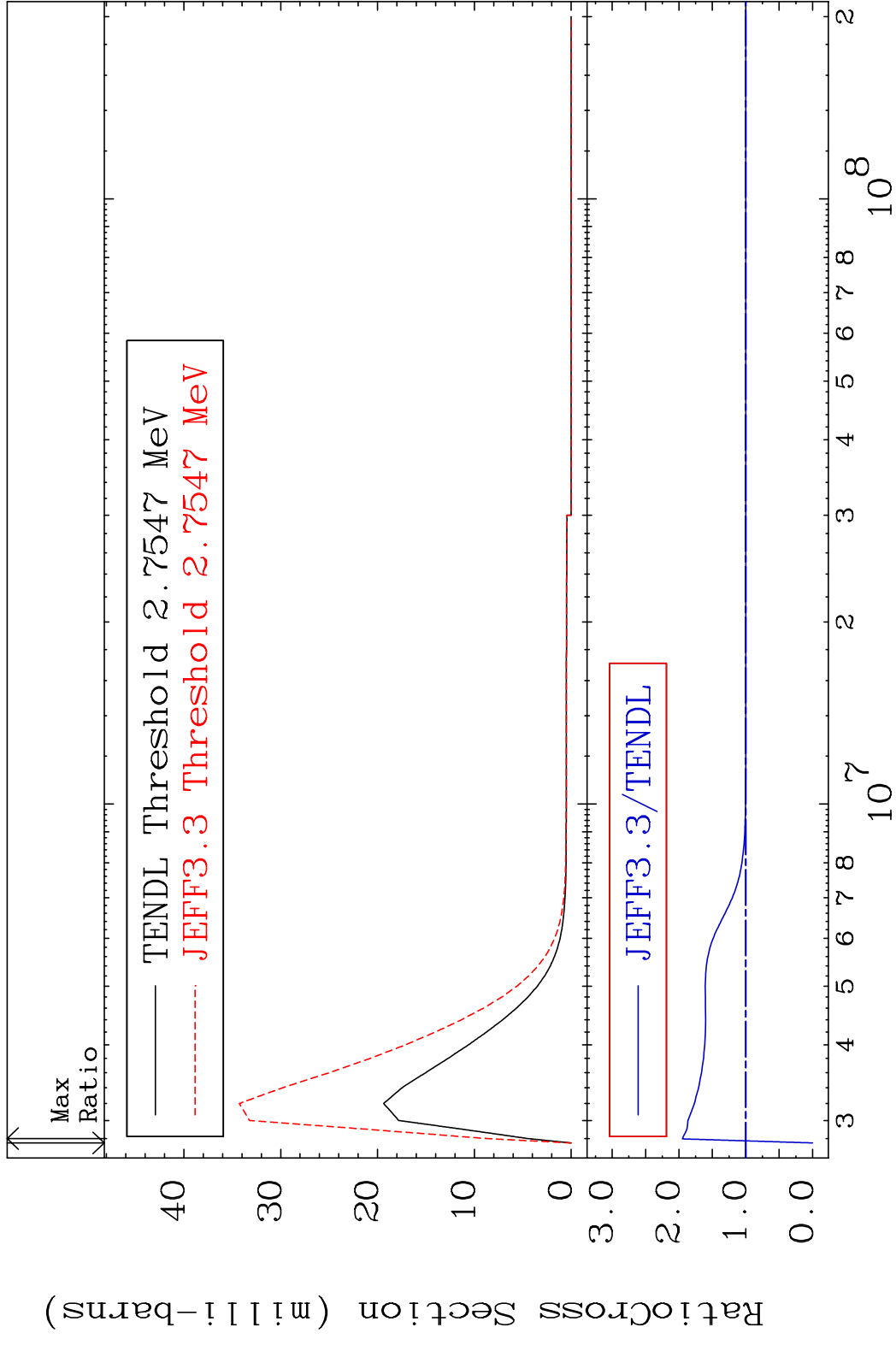
Cross Section -18.18 To 0.000 %



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

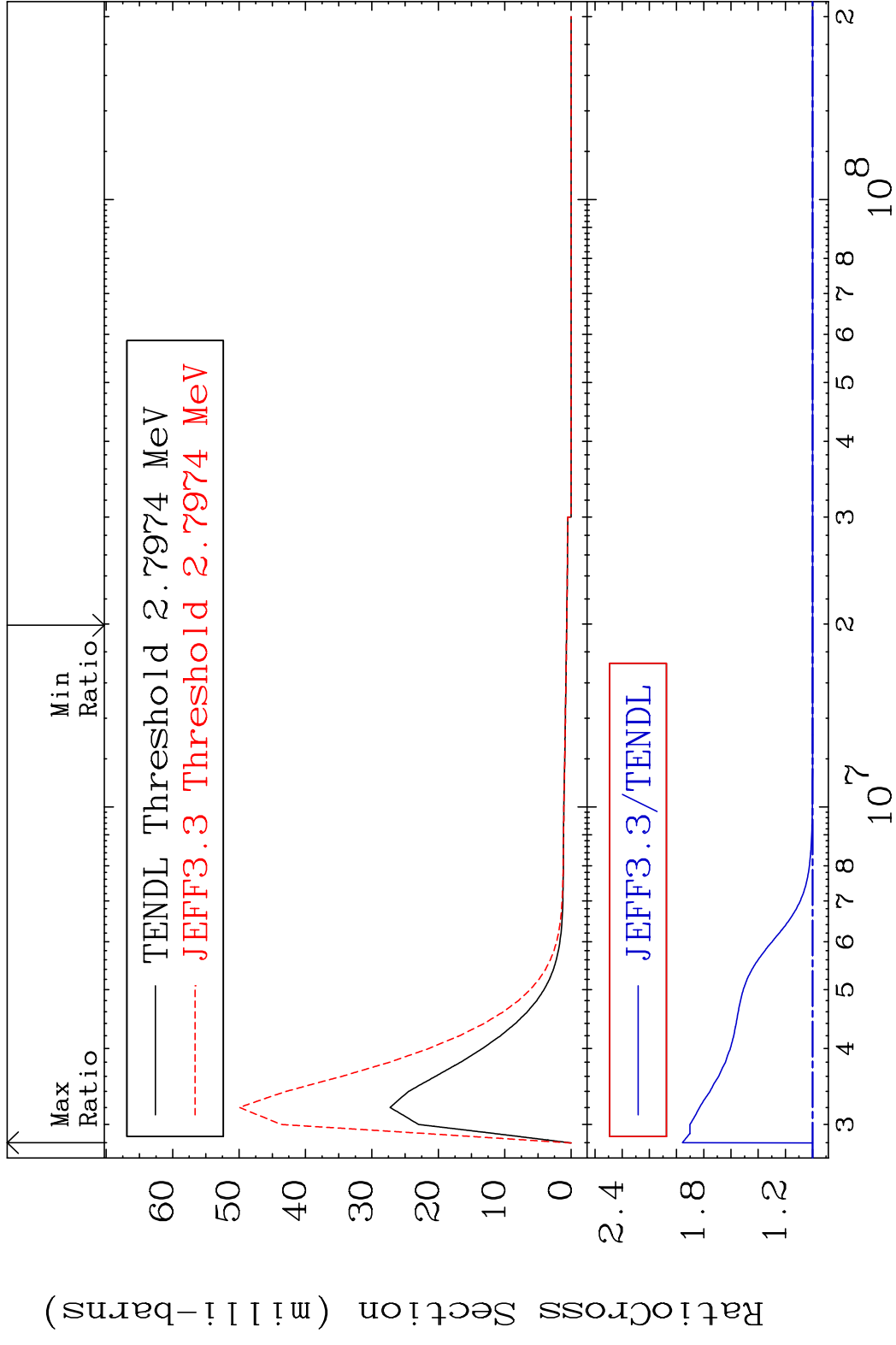


MAT 4455 MT= 76 (n, n') Level 44-Ru-106
 Cross Section -100.0 To 94.93 %



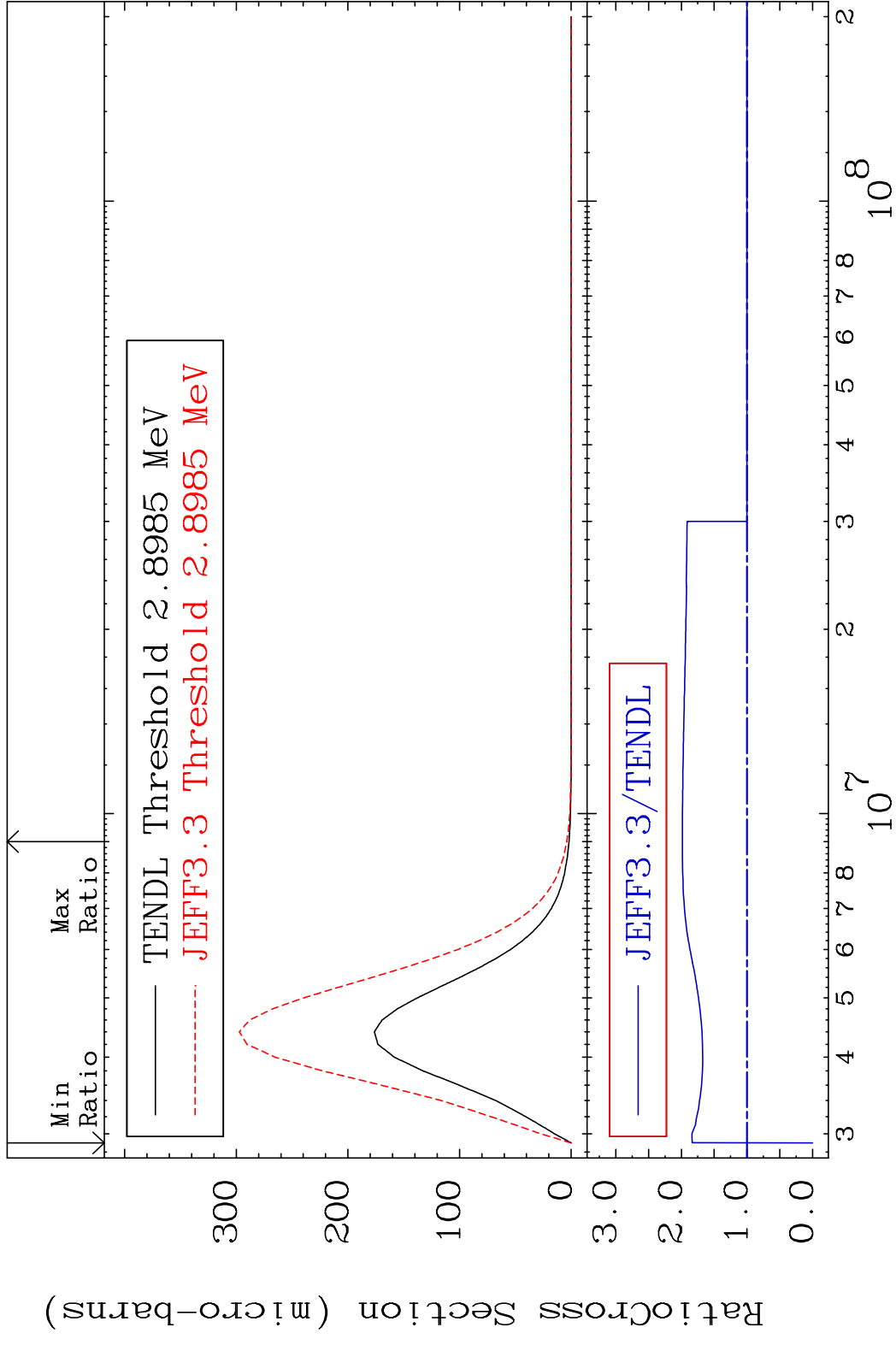
43 Incident Energy (eV) 44-Ru-106

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

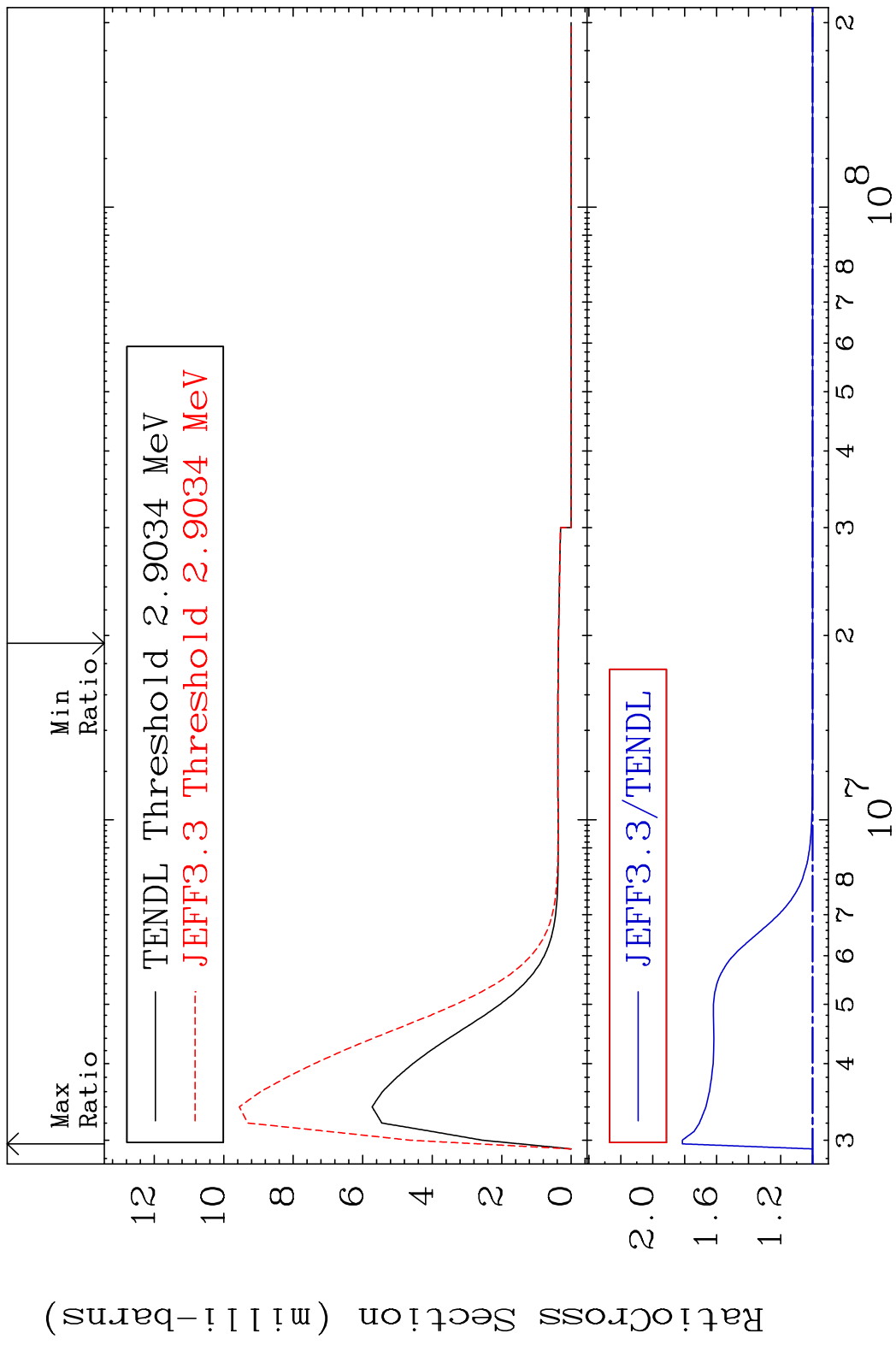


44 44-Ru-106

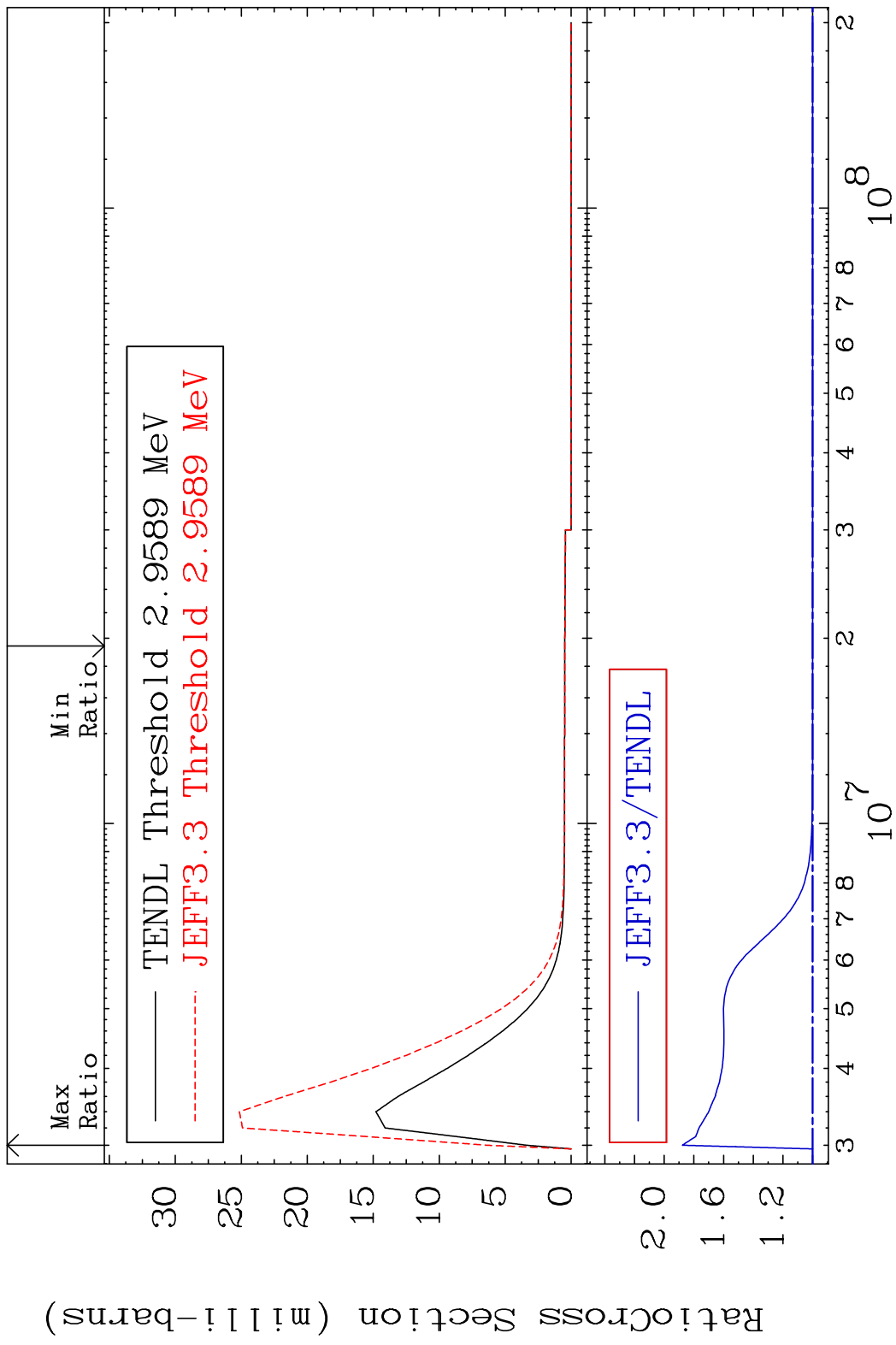
MAT 4455 MT= 78 (n,n') Level 44-Ru-106
 Cross Section -100.0 To 98.49 %



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 %

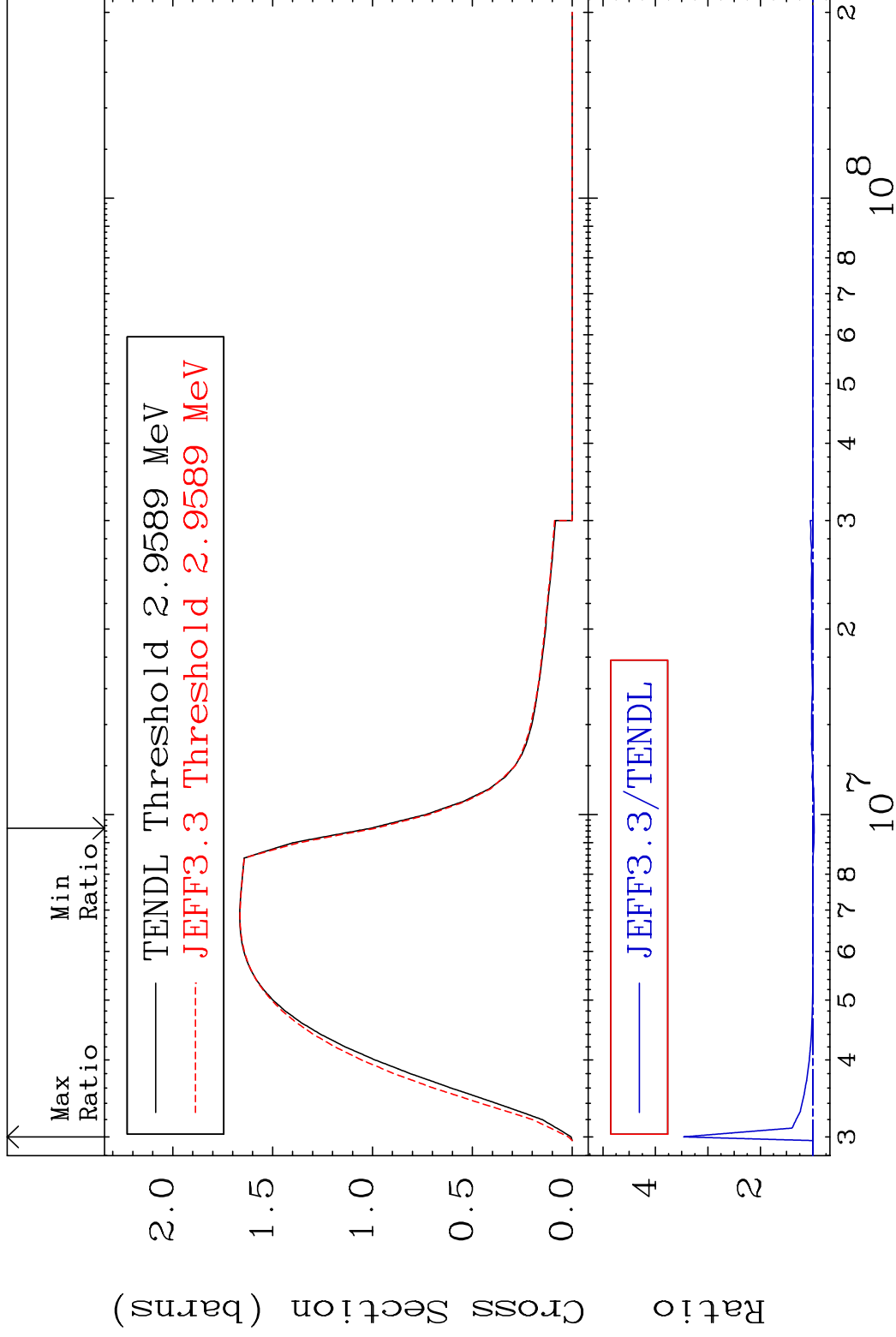


MAT 4455

(n,n') Continuum

44-Ru-106

Cross Section -2.409 To 246.2 %



48

Incident Energy (eV)

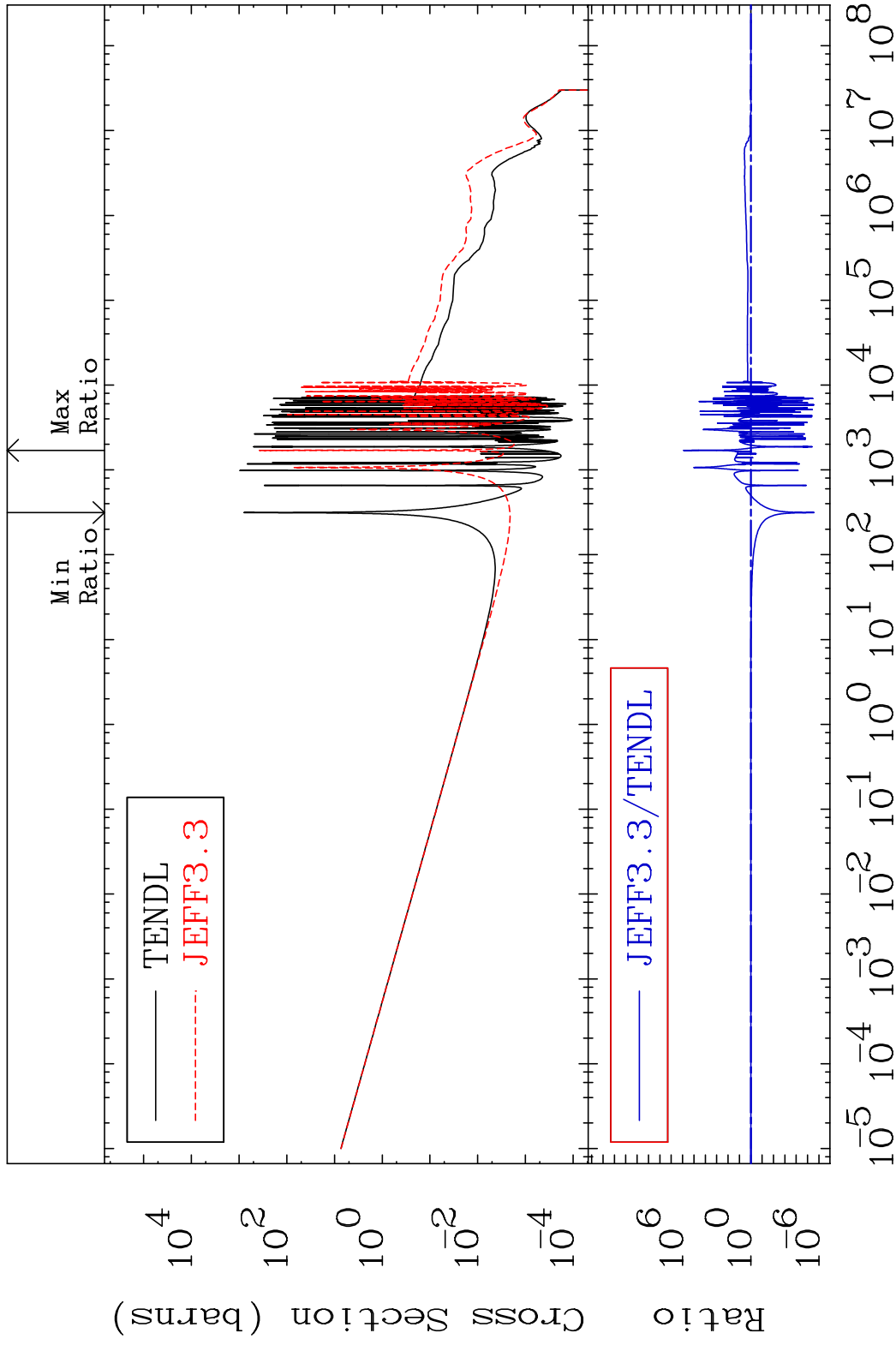
44-Ru-106

MAT 4455

(n, γ)

44-Ru-106

Cross Section -100.0 To 9999. %

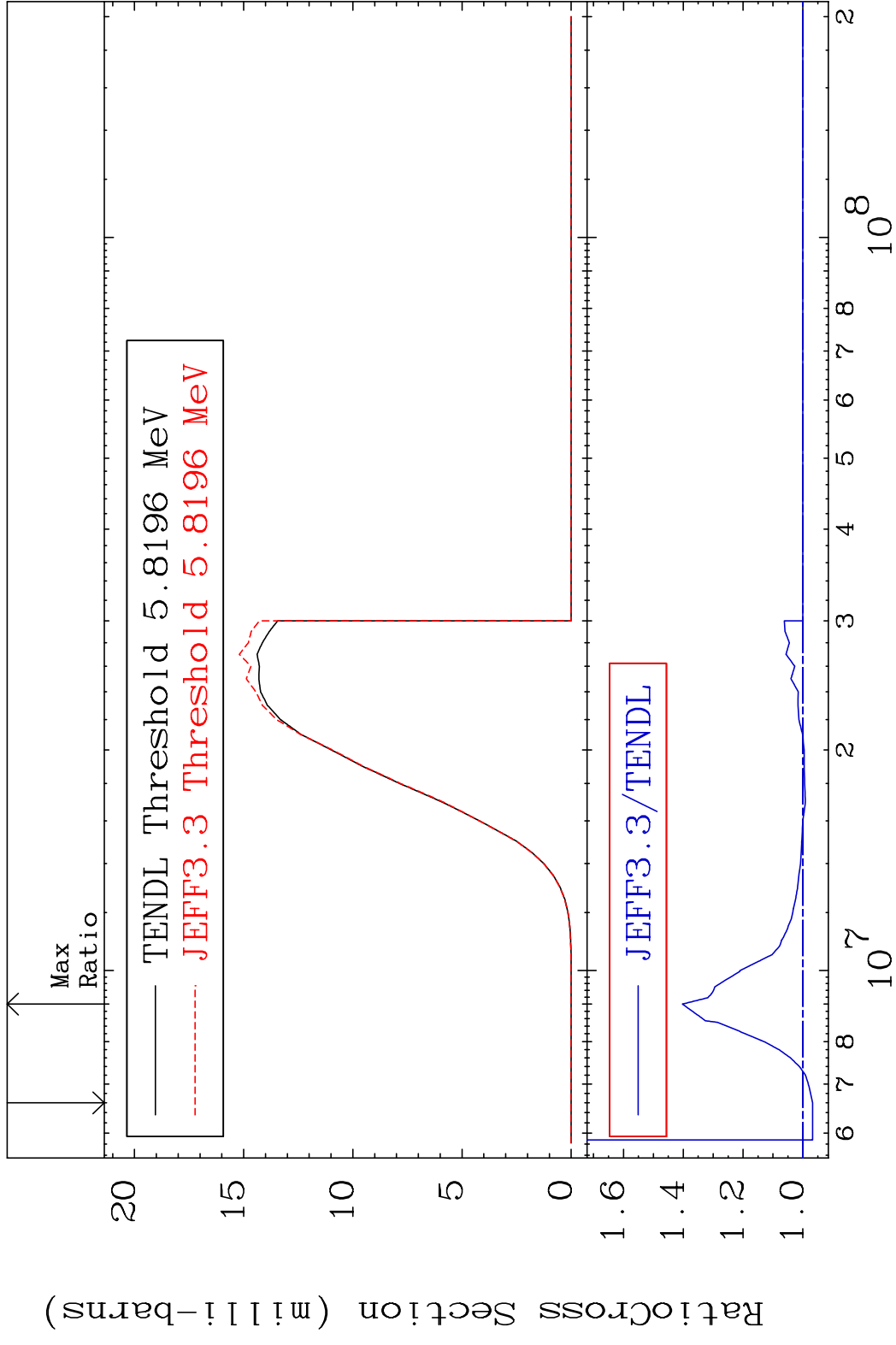


49

Incident Energy (eV)

44-Ru-106

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

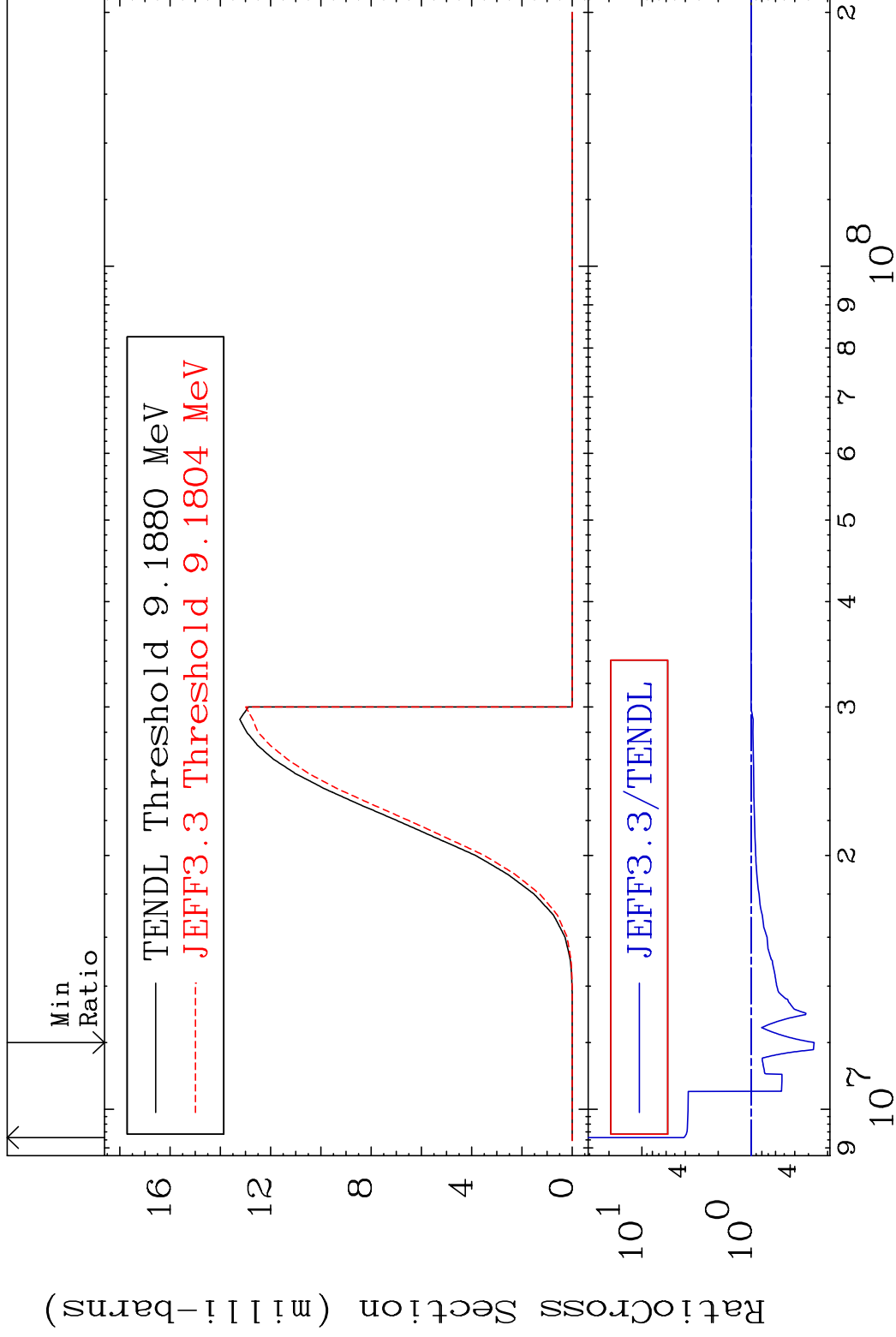


MAT 4455

(n, d)

44-Ru-106

Cross Section -73.40 To 314.5 %



51

Incident Energy (eV)

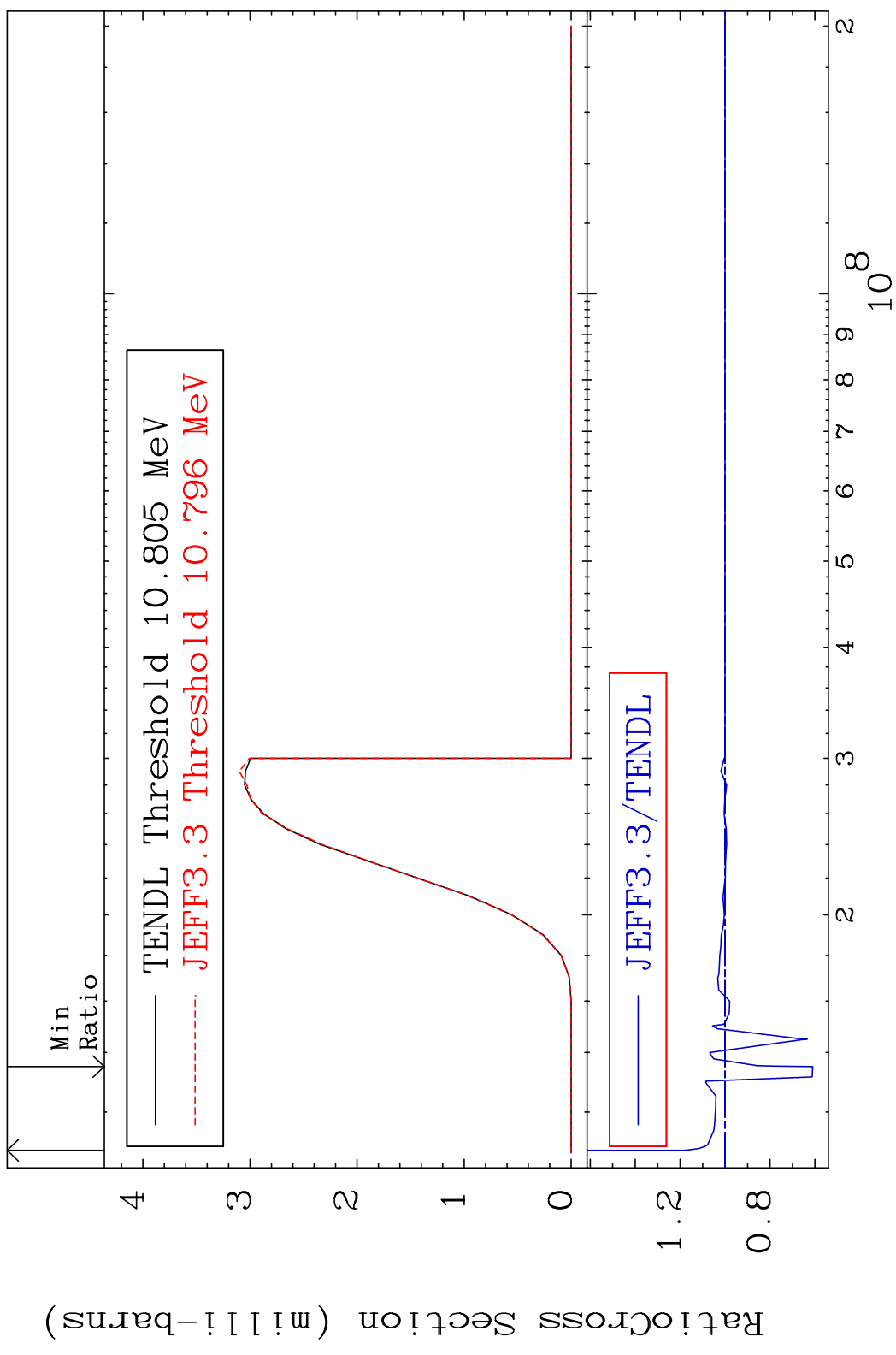
44-Ru-106

MAT 4455

(n, t)

44-Ru-106

Cross Section -38.94 To 19.01 %

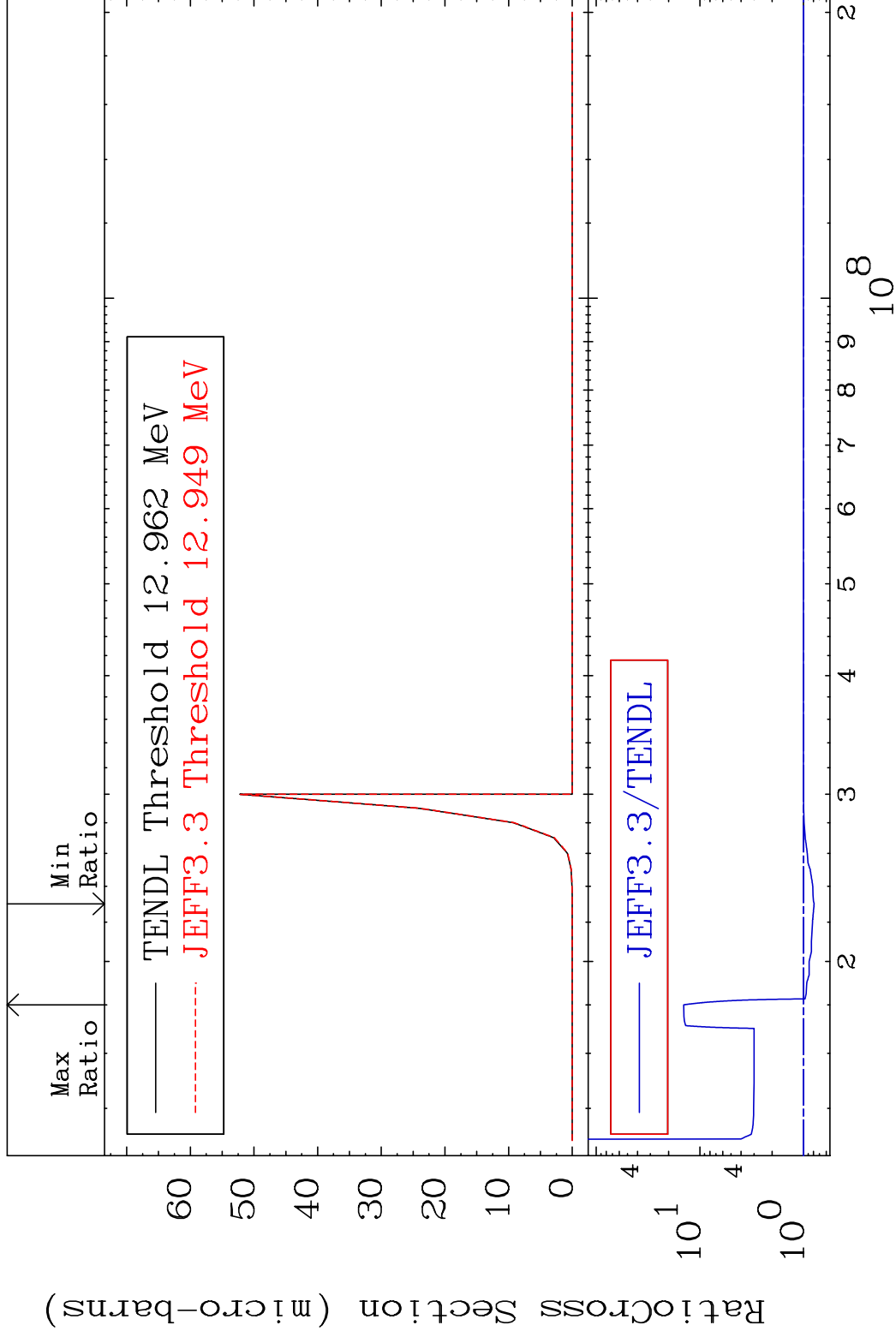


MAT 4455

(n, He-3)

44-Ru-106

Cross Section -21.22 To 1333. %



53

Incident Energy (eV)

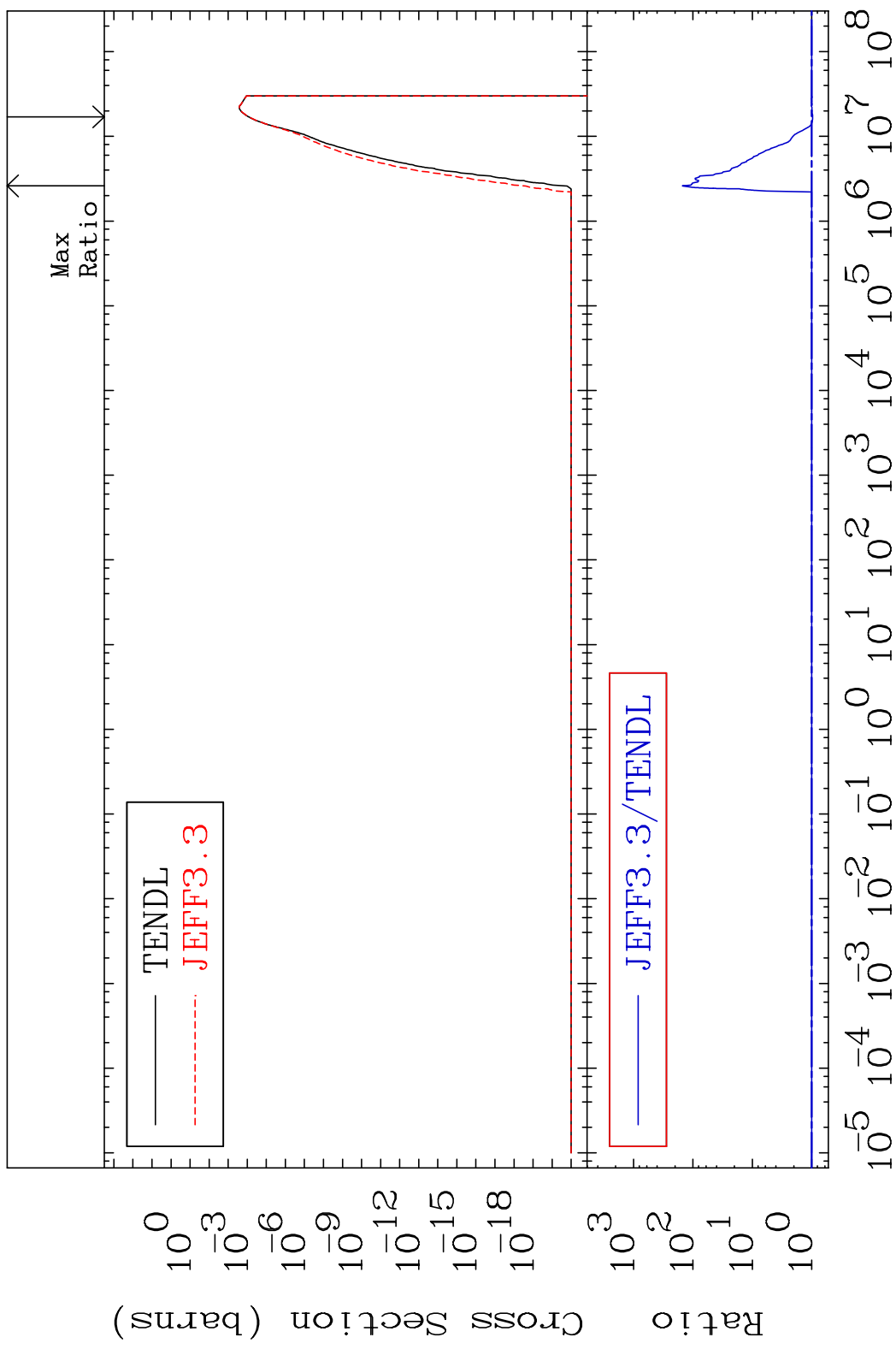
44-Ru-106

MAT 4455

(n, α)

44-Ru-106

Cross Section -3.391 To 9999. %



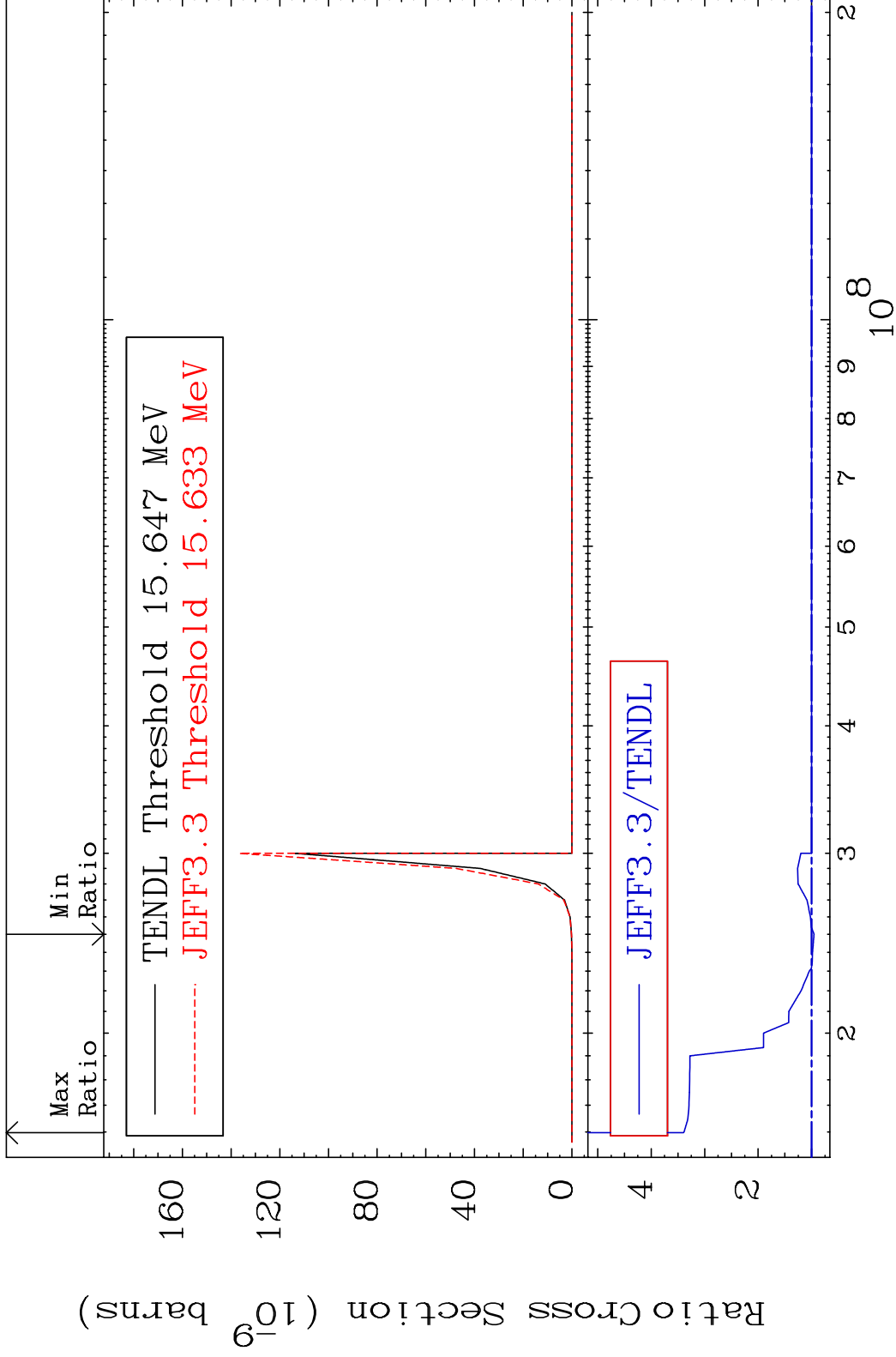
MAT 4455

(n,2p)

44-Ru-106

Cross Section

-4.496 To 239.7 %



55

Incident Energy (eV)

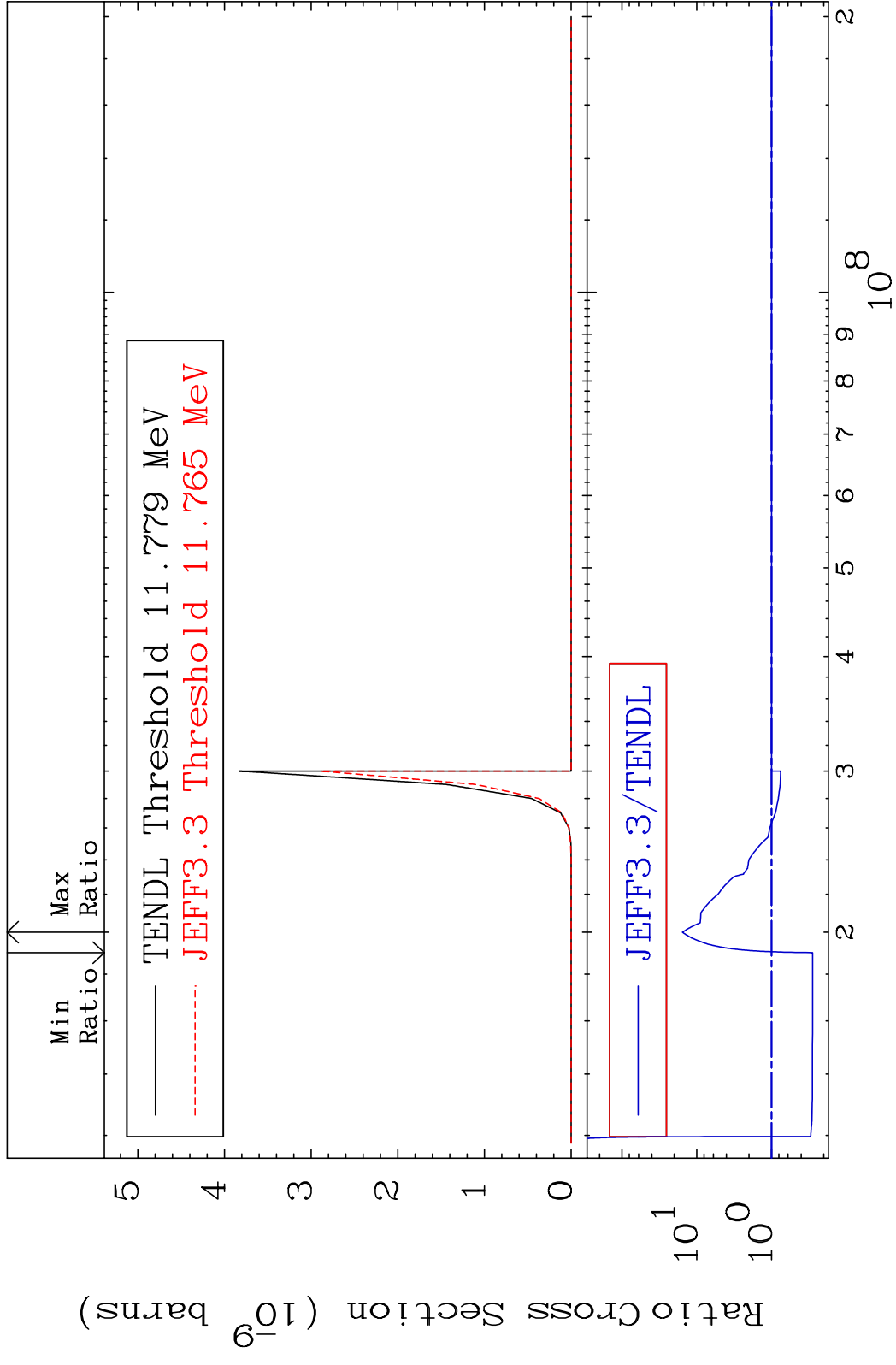
44-Ru-106

MAT 4455

(n,p) α

44-Ru-106

Cross Section -71.77 To 1459. %

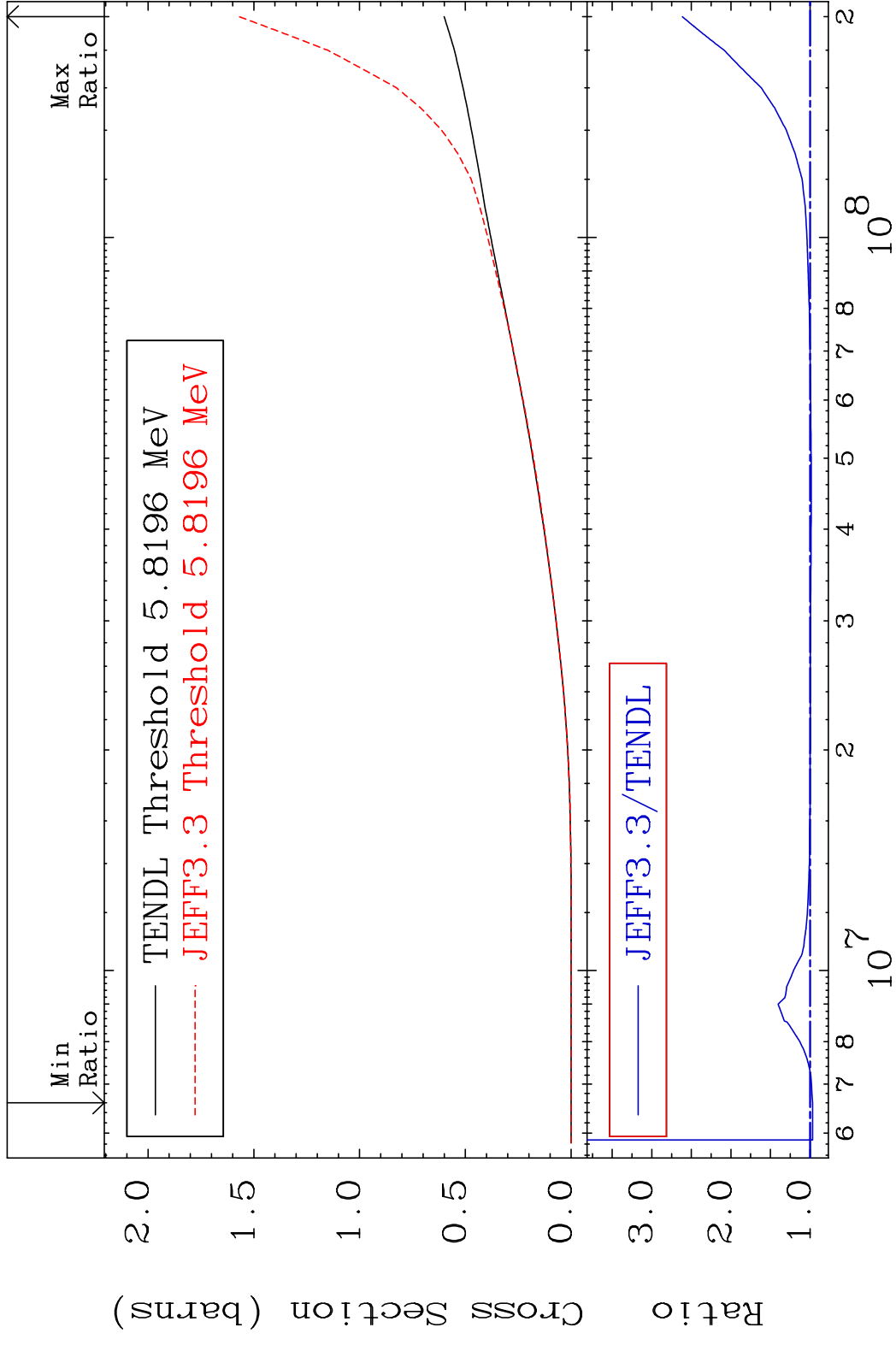


MAT 4455

Hydrogen Production

44-Ru-106

Cross Section -3.230 To 161.4 %

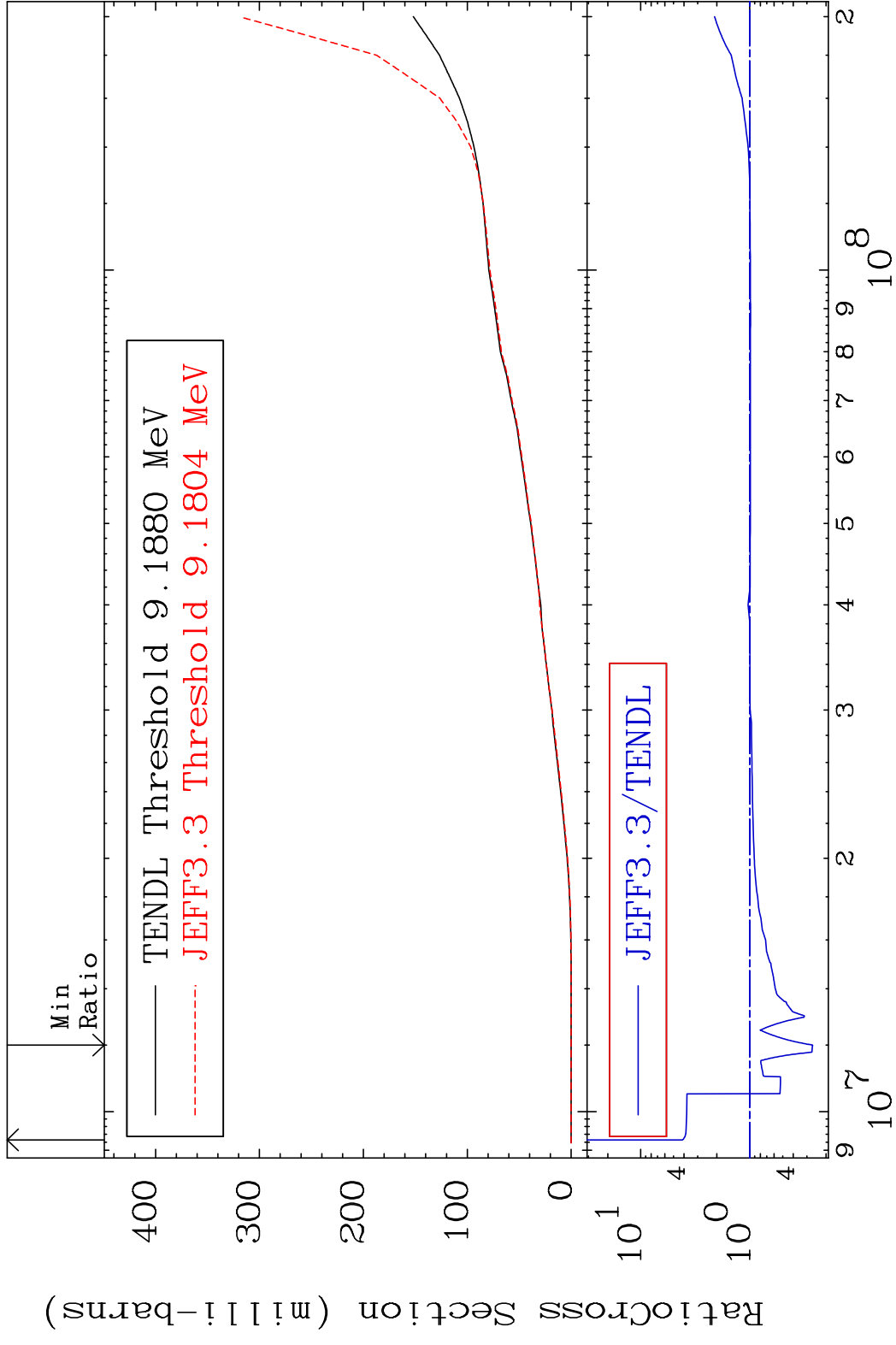


MAT 4455

Deuterium Production

44-Ru-106

Cross Section -73.40 To 314.5 %



58

Incident Energy (eV)

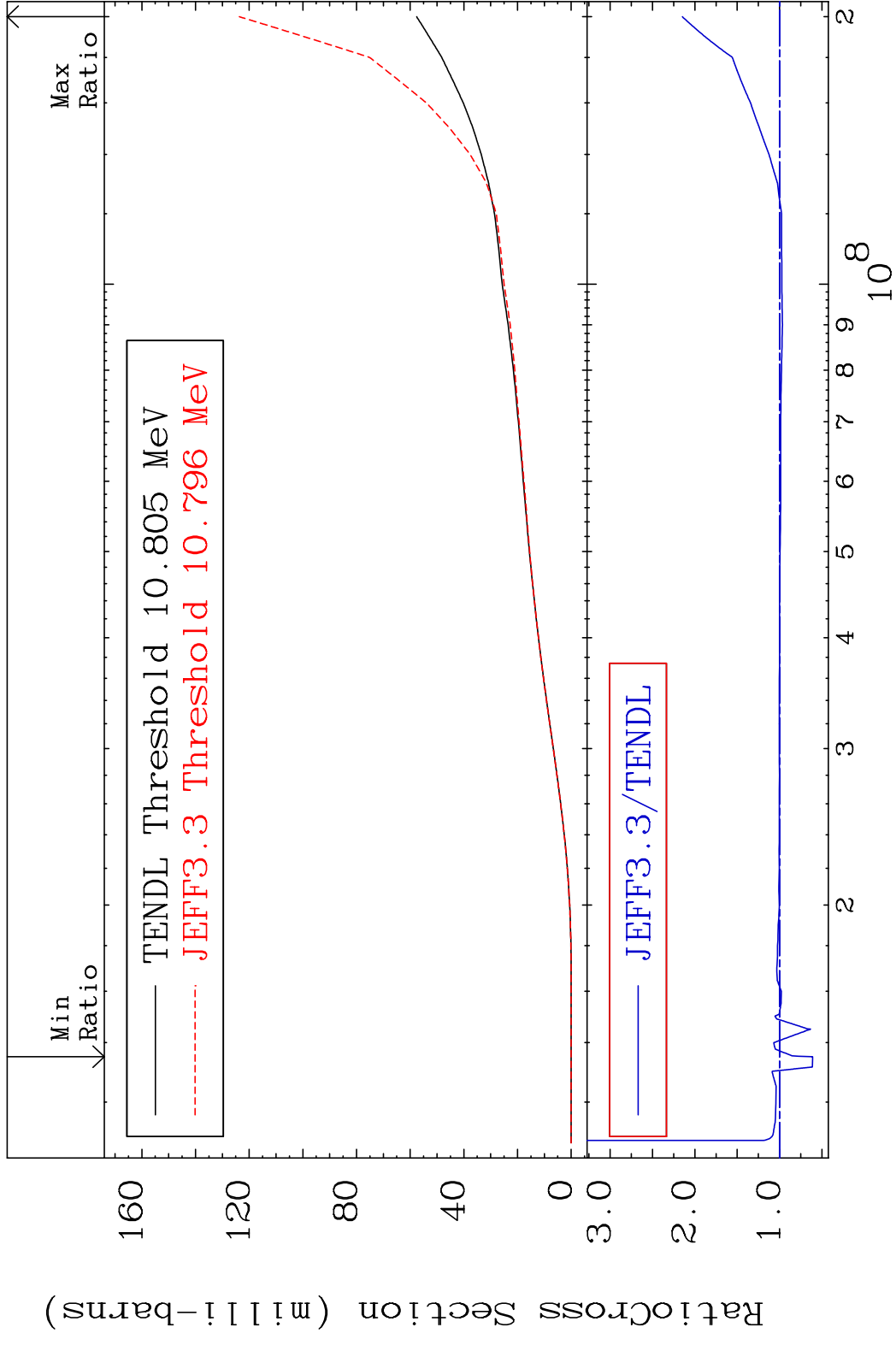
44-Ru-106

MAT 4455

Tritium Production

44-Ru-106

Cross Section -38.94 To 114.8 %

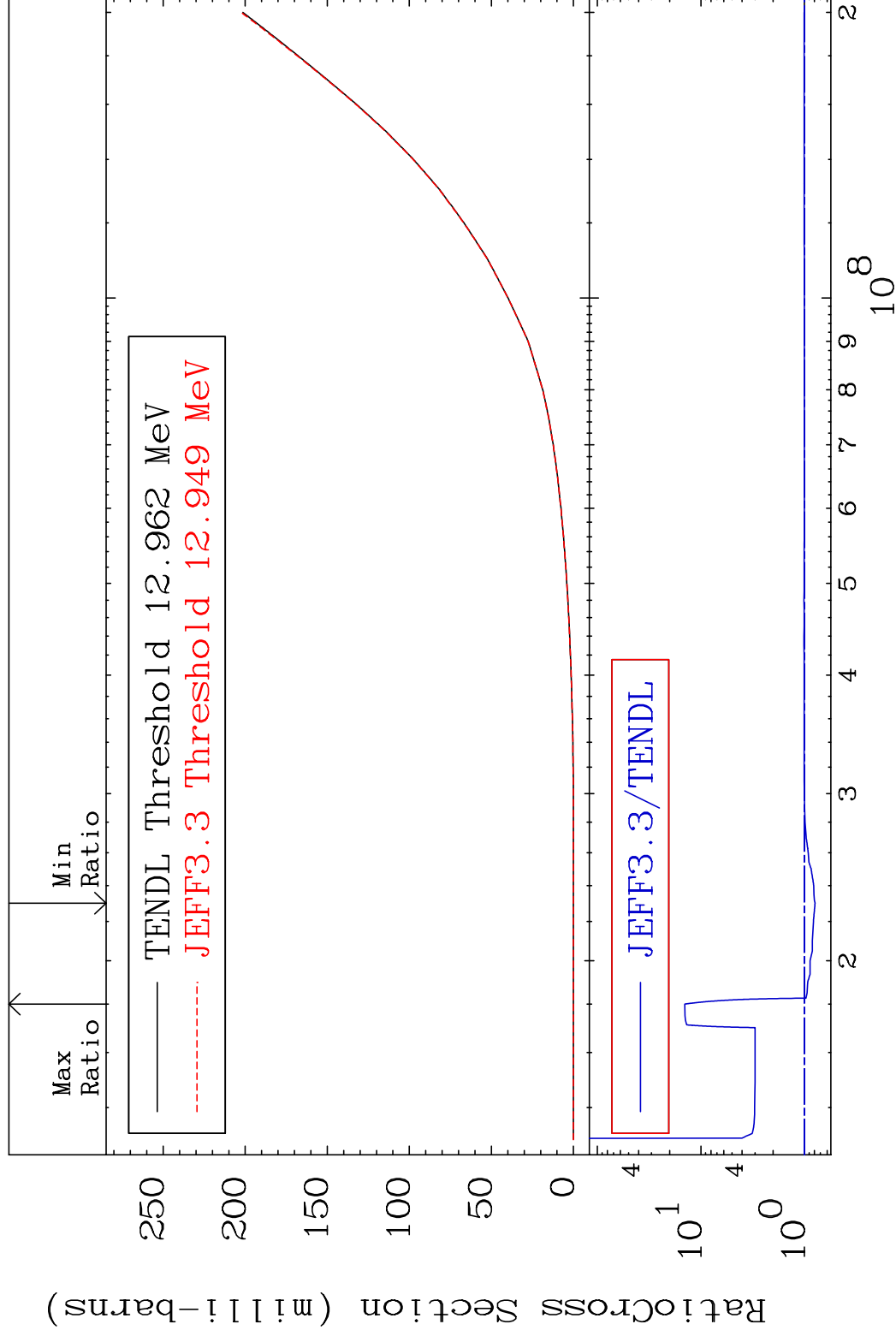


MAT 4455

He-3 Production

44-Ru-106

Cross Section -21.22 To 1333. %



60

Incident Energy (eV)

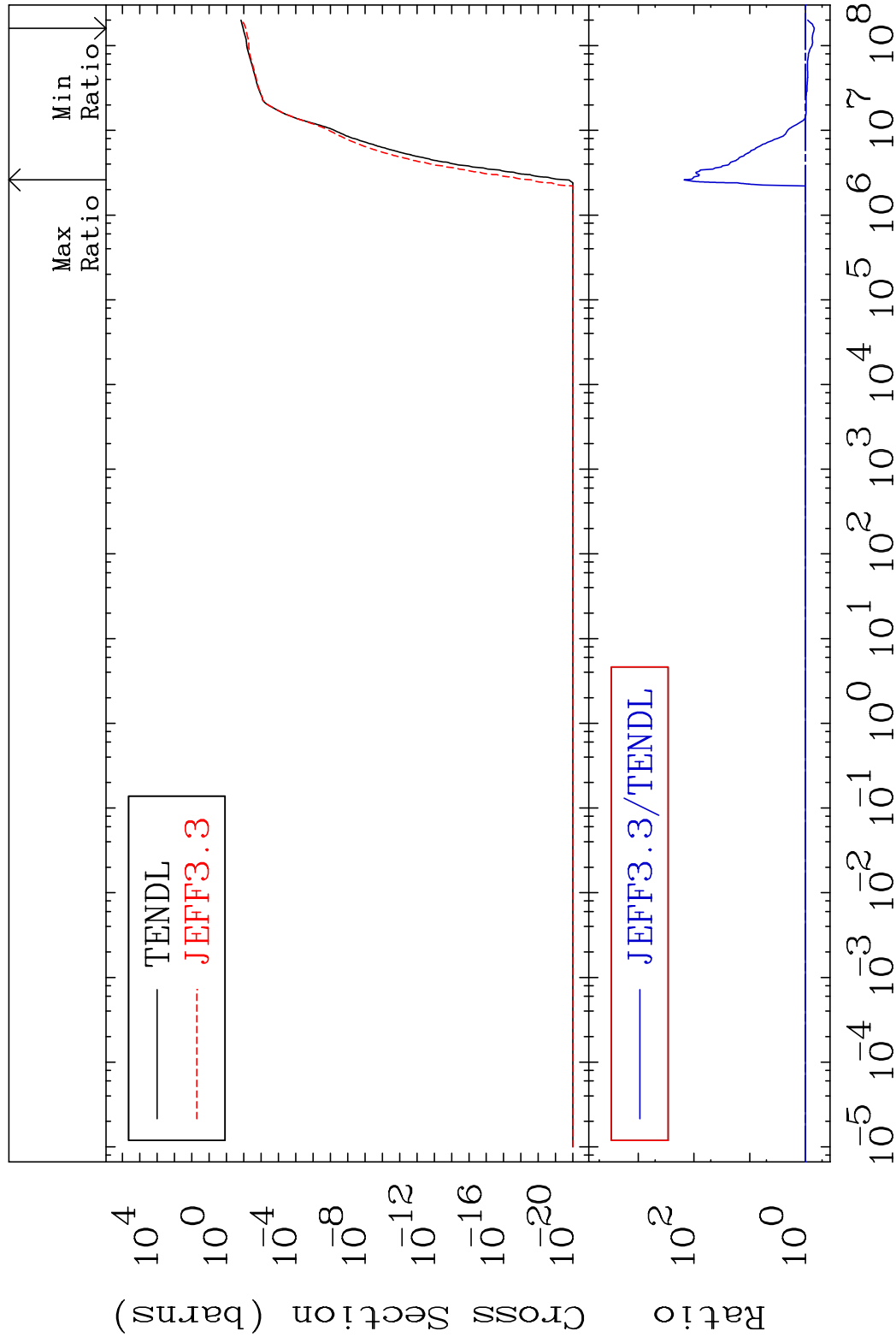
44-Ru-106

MAT 4455

He-4 Production

44-Ru-106

Cross Section -30.72 To 9999. %

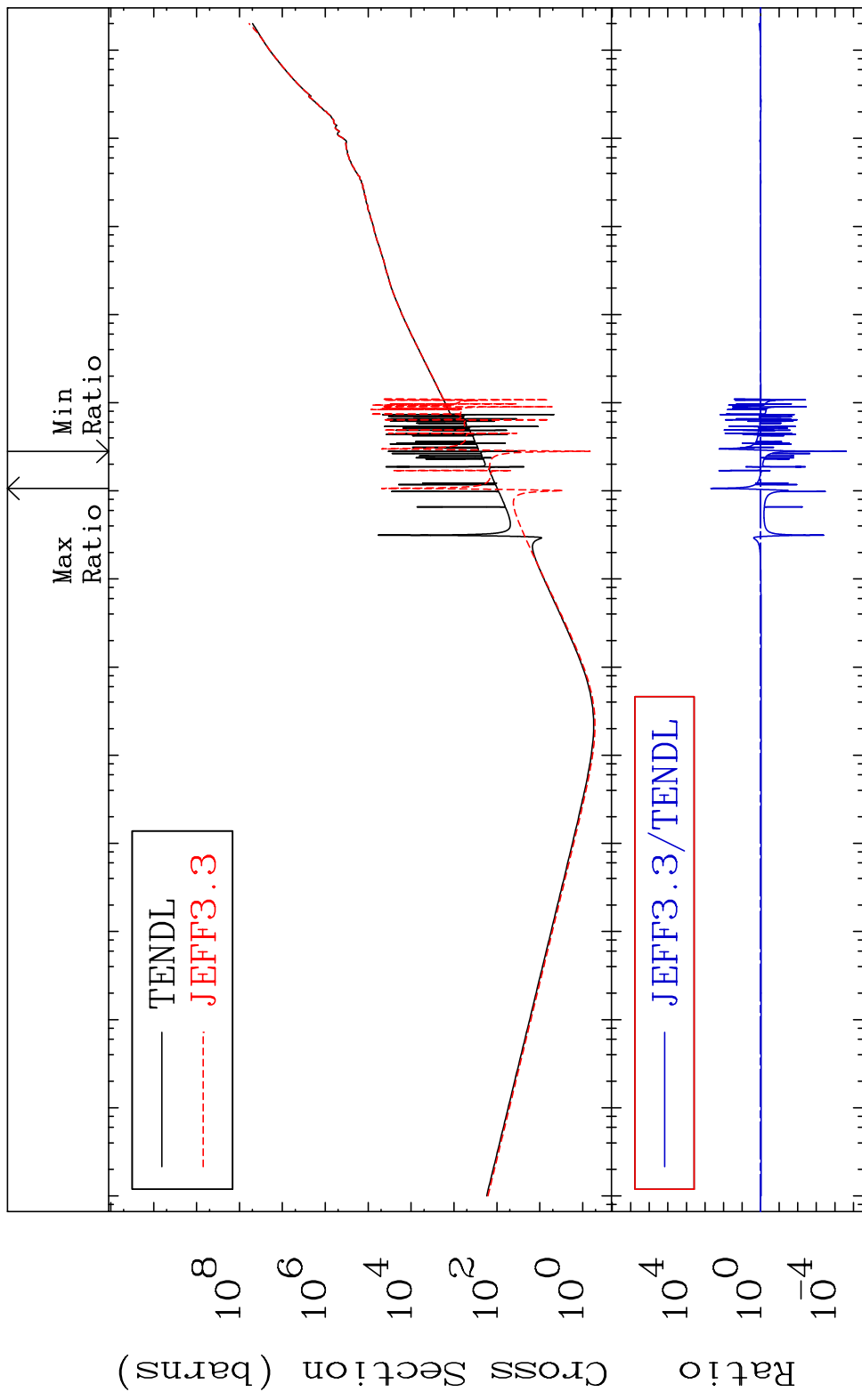


61

Incident Energy (eV)

44-Ru-106

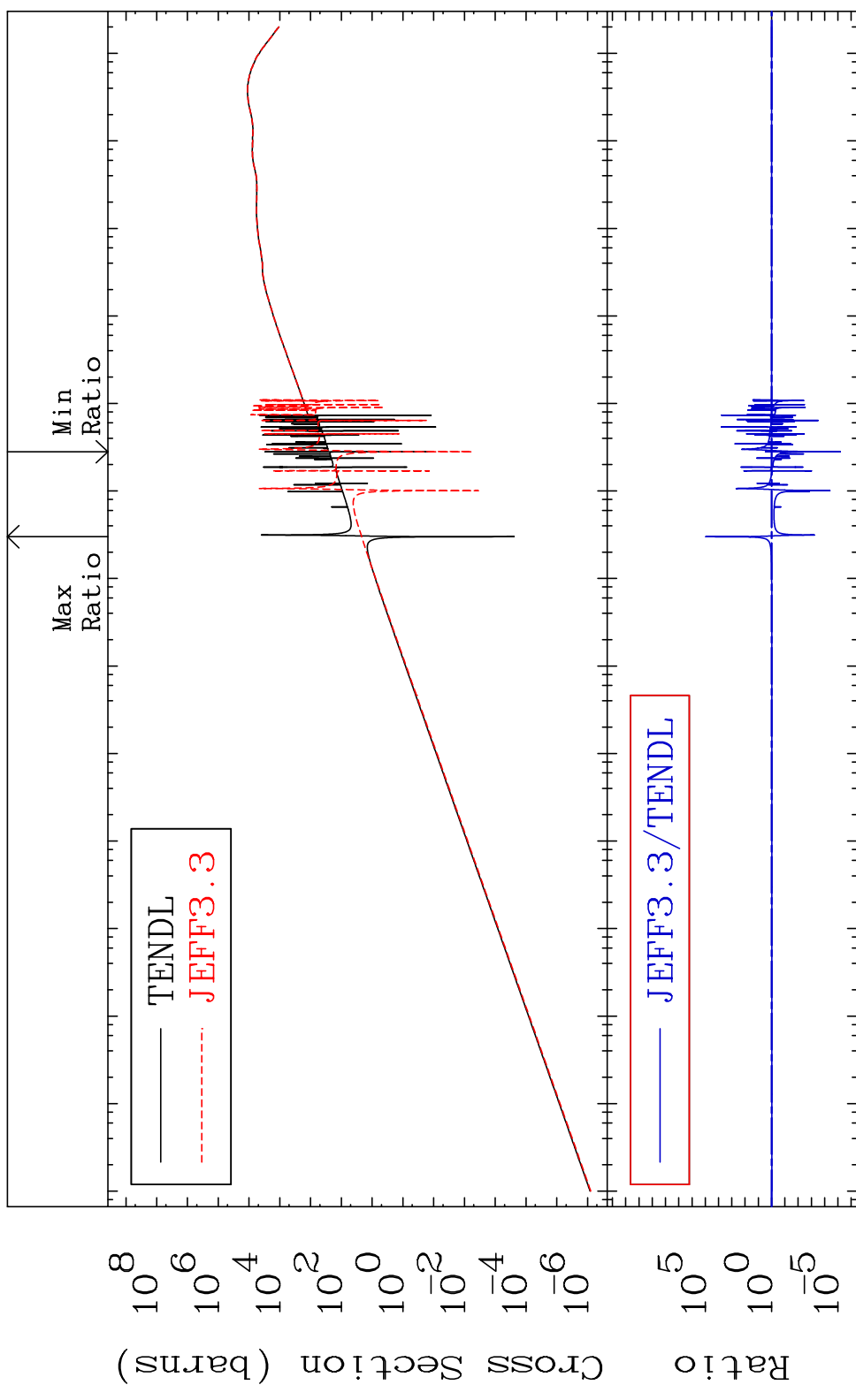
MAT 4455 Kerma total (eV-barns) 44-Ru-106
 Cross Section -100.0 To 9999. %



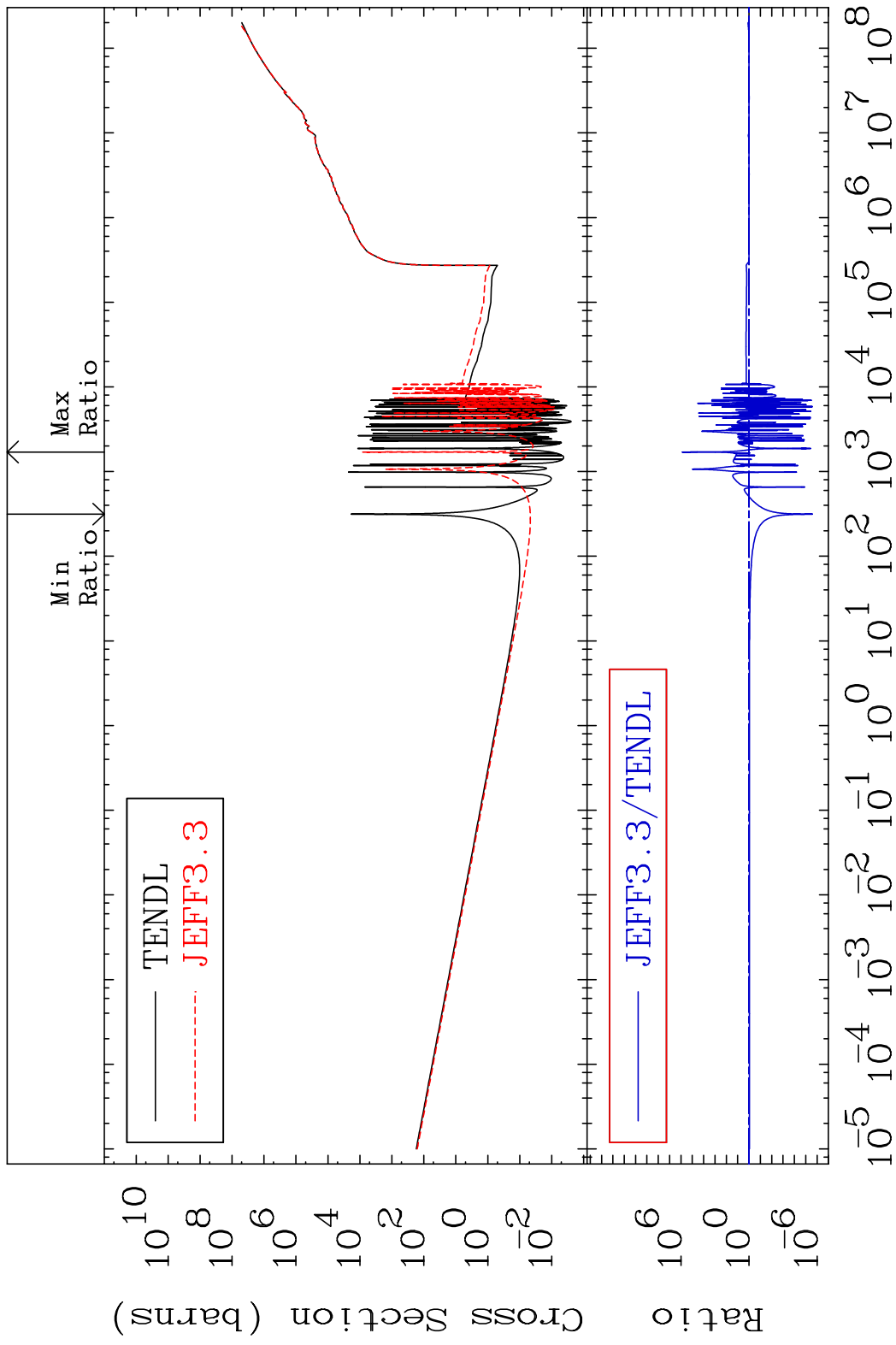
62 Incident Energy (eV) 44-Ru-106

MAT 4455

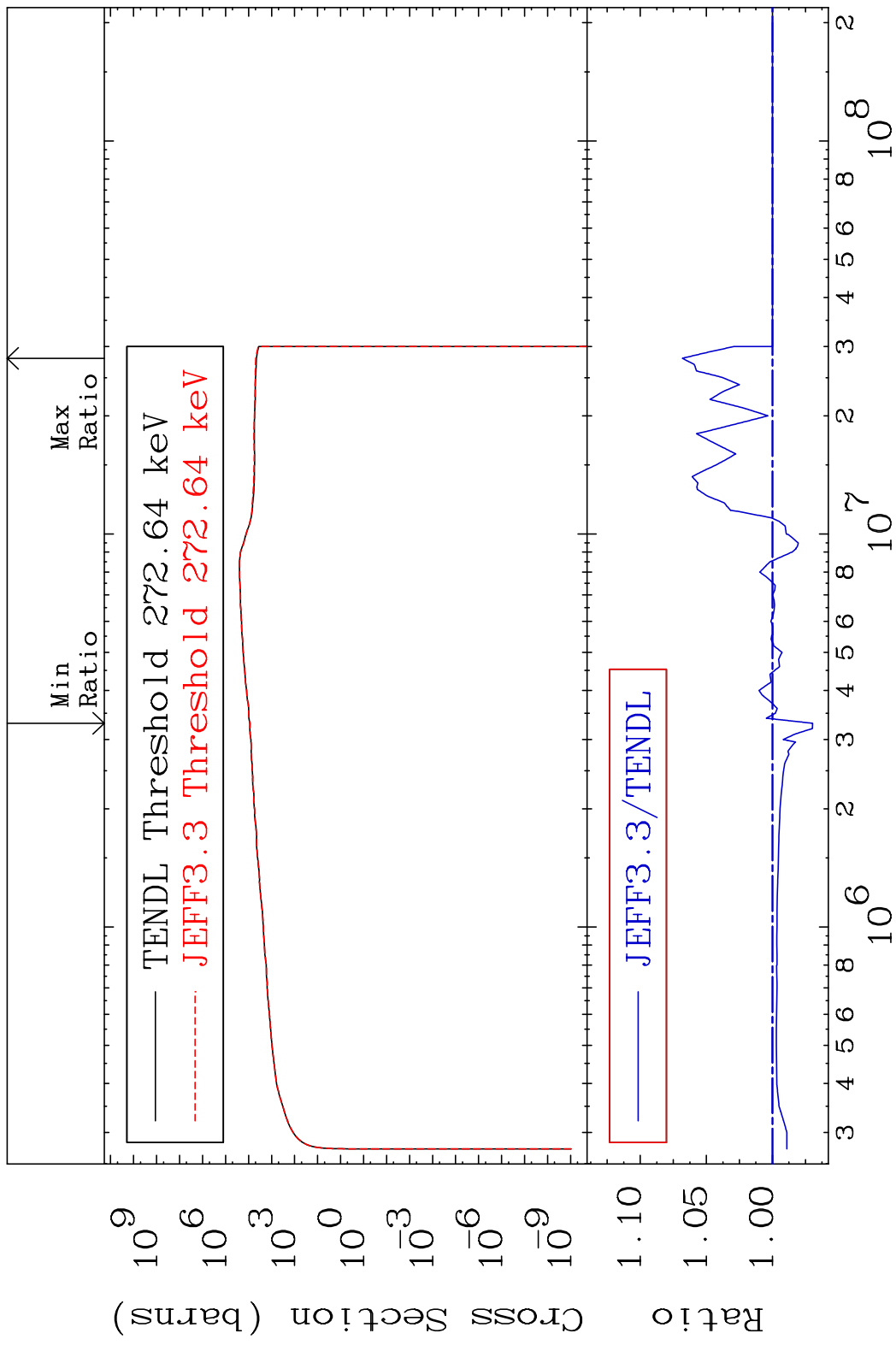
Kerma elastic
Cross Section -100.0 To 9999. %
44-Ru-106



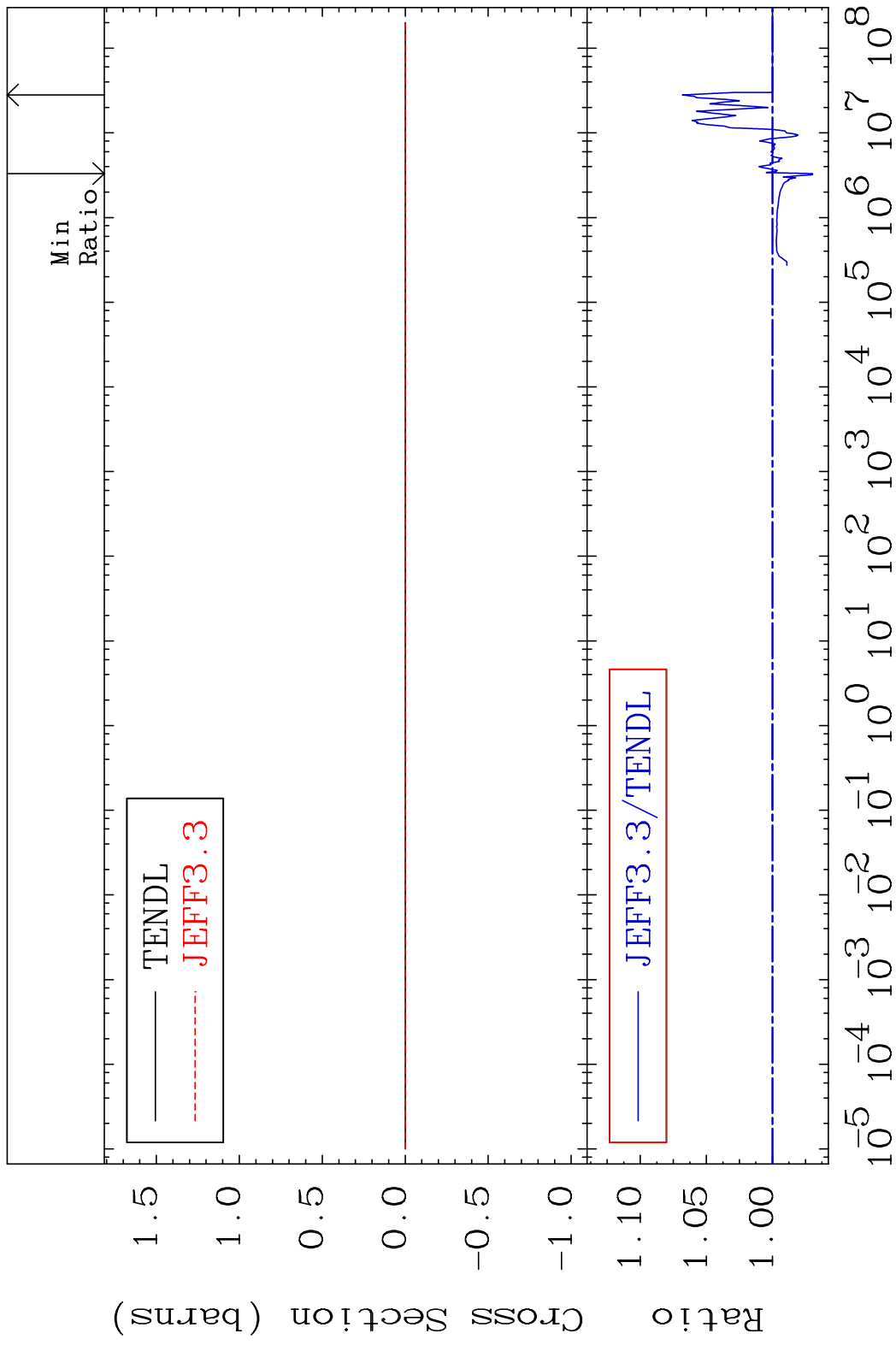
MAT 4455 Kerma non-elastic (all but mt2) 44-Ru-106
 Cross Section -100.0 To 9999. %



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

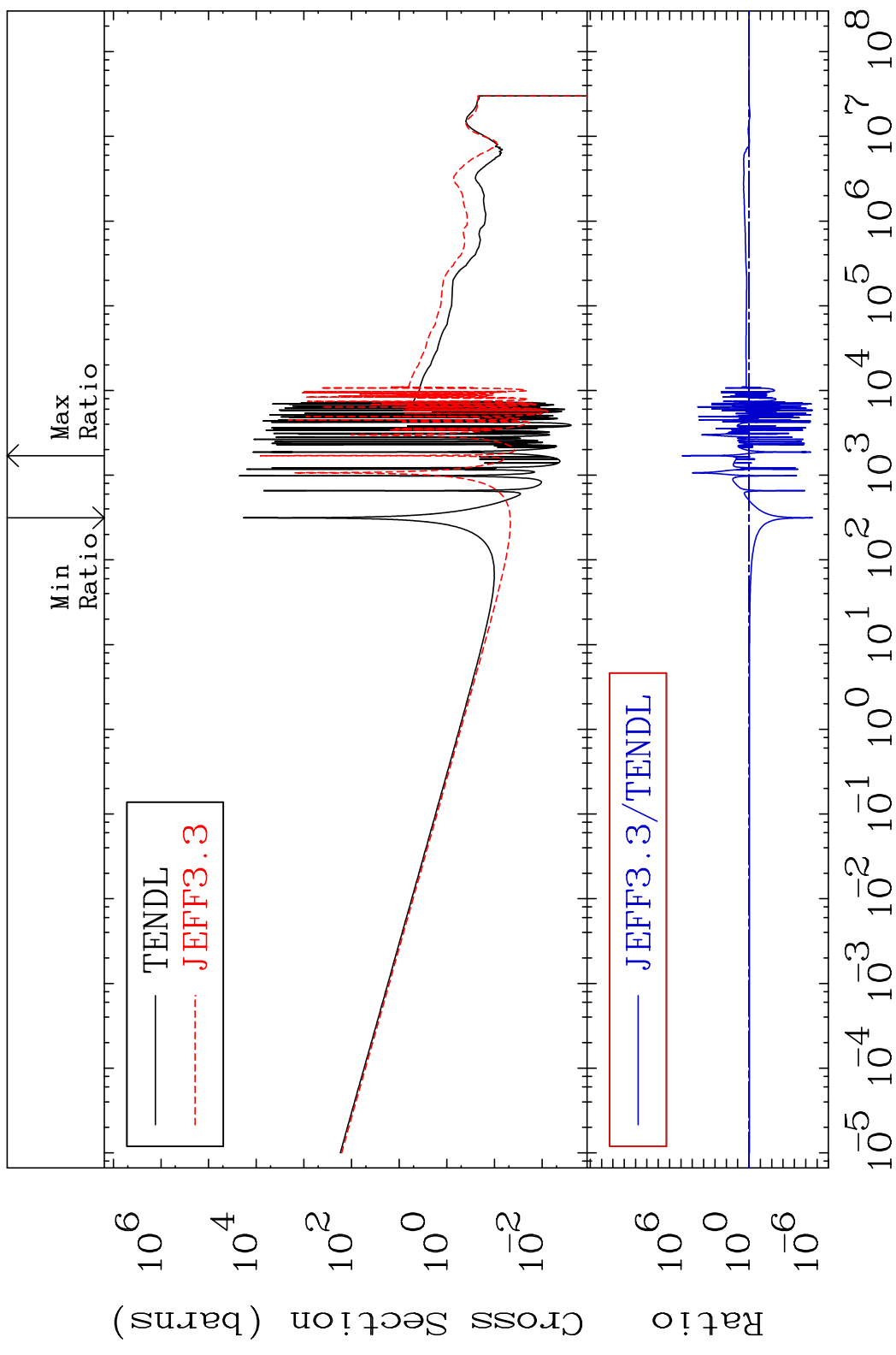


MAT 4455 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-106
 Cross Section -3.034 To 6.816 %



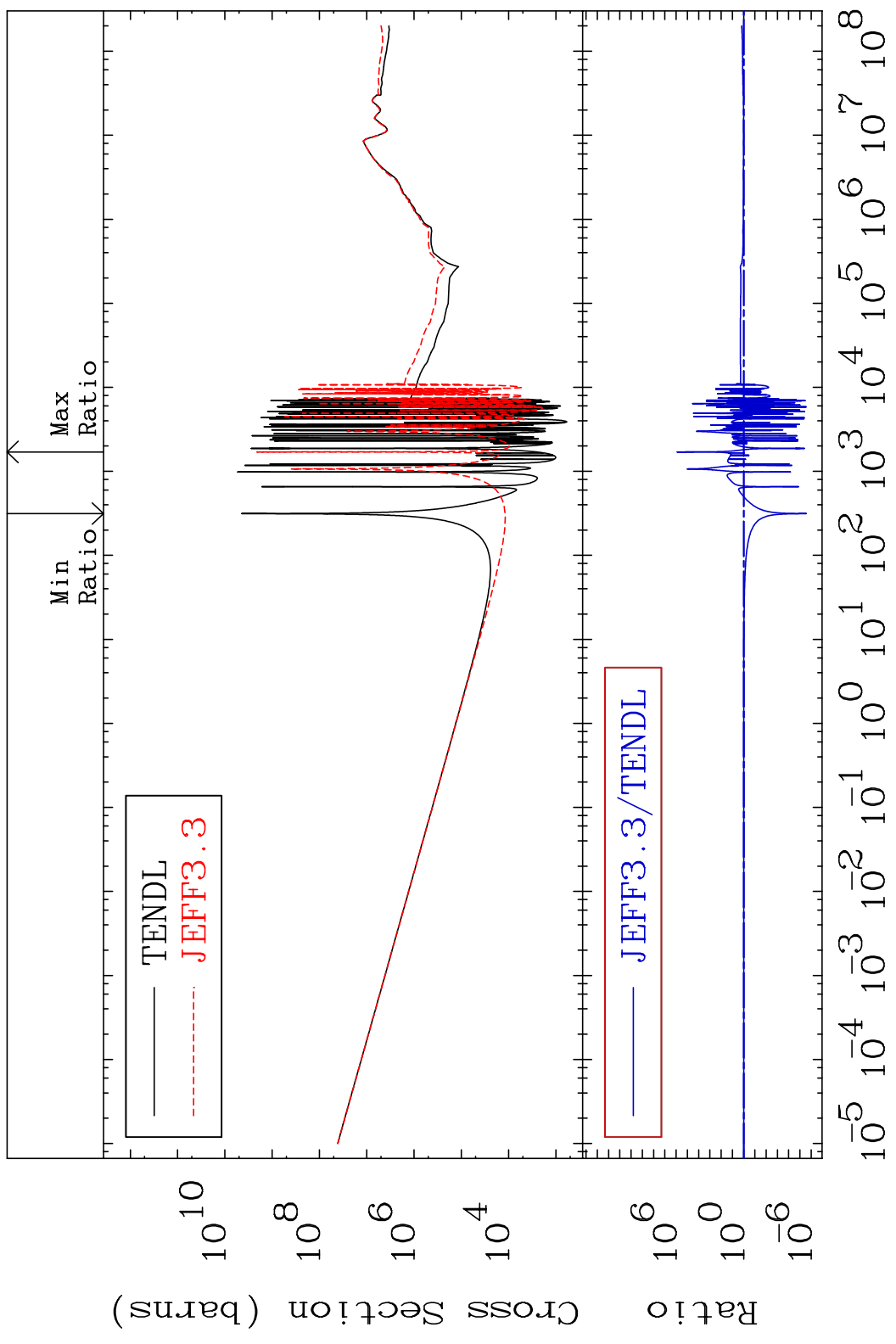
MAT 4455

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

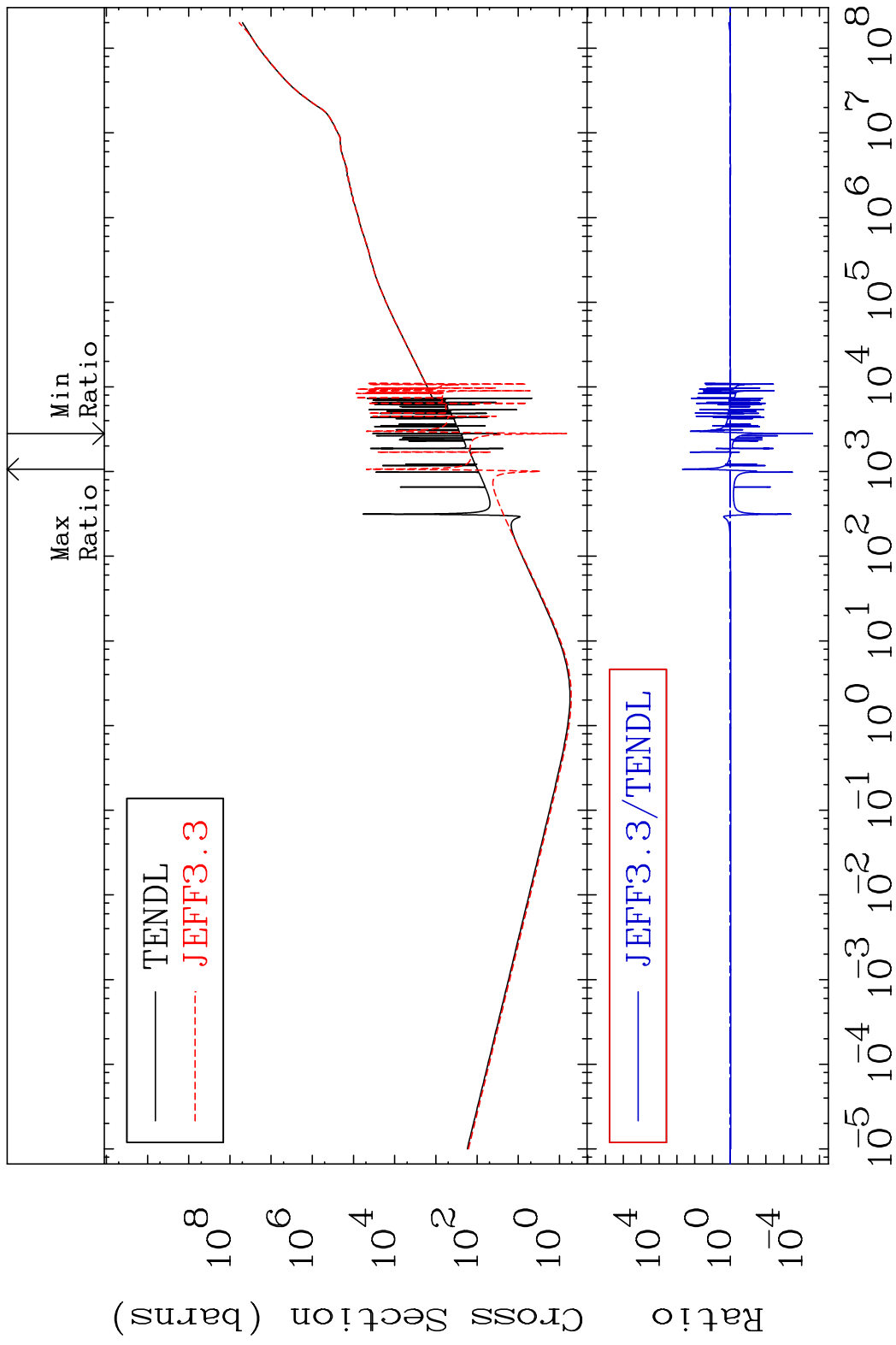


MAT 4455

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. %

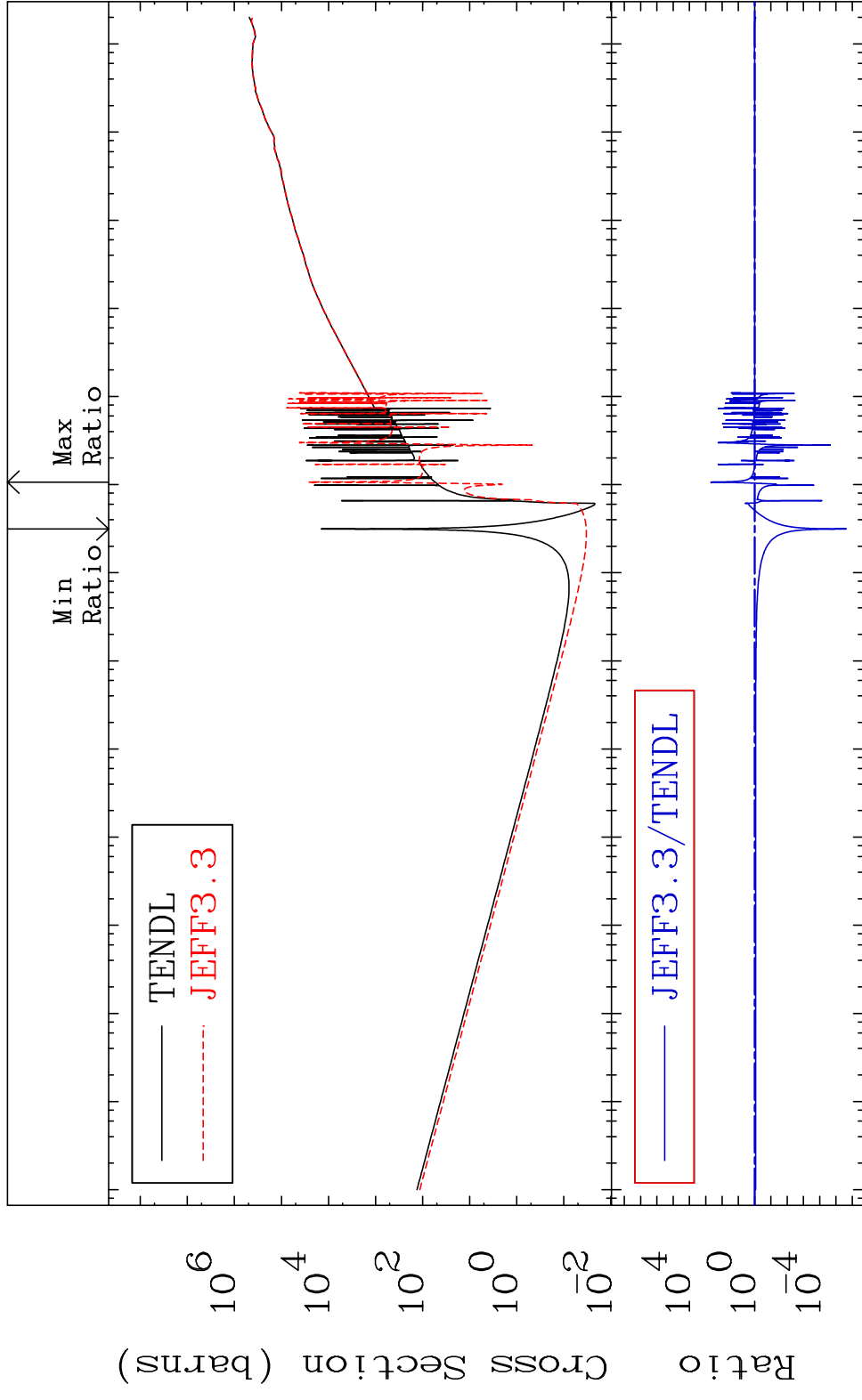


MAT 4455

Dpa total (eV-barns)

44-Ru-106

Cross Section -100.0 To 9999. %



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Incident Energy (eV)

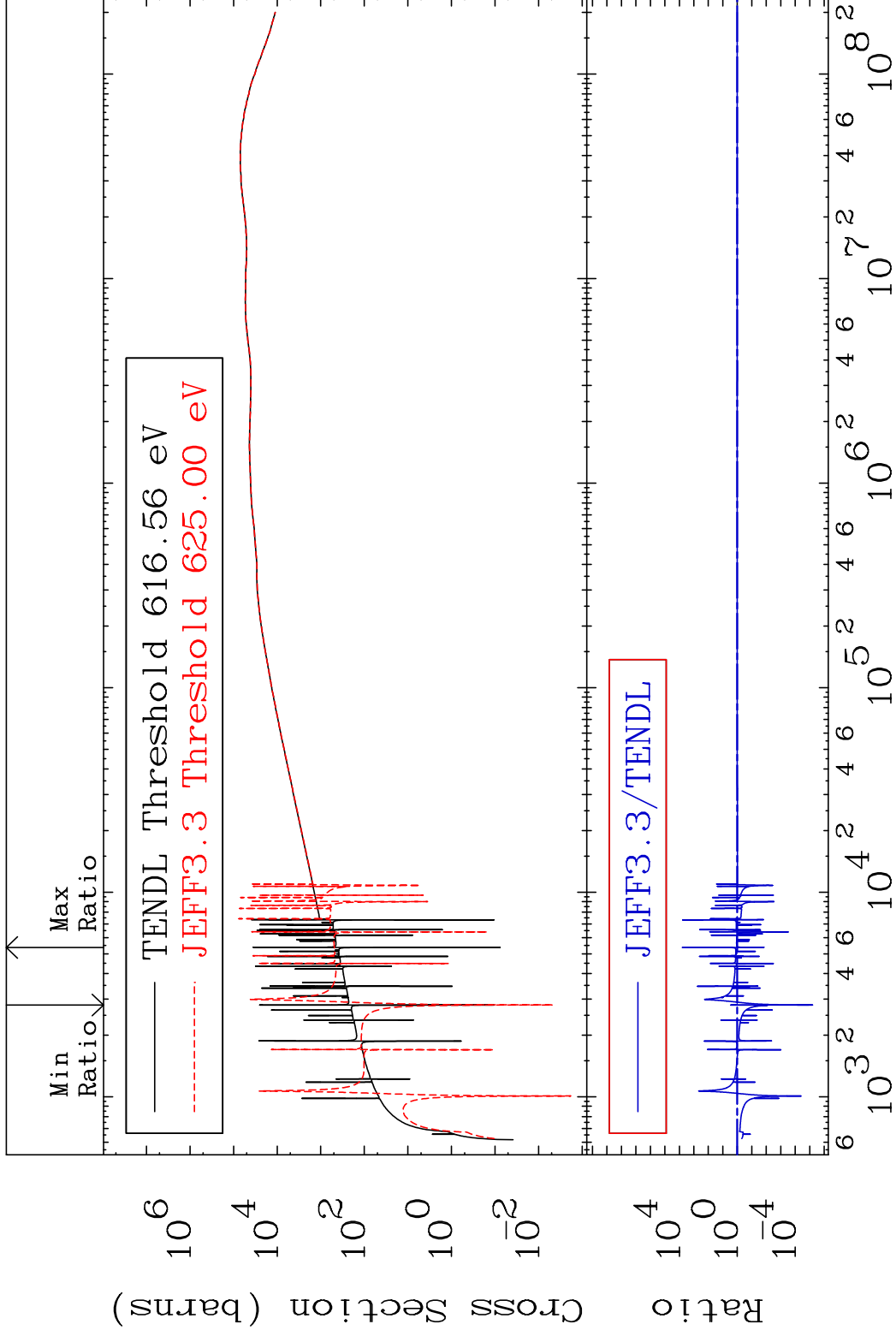
44-Ru-106

MAT 4455

Dpa elastic (mt2)

44-Ru-106

Cross Section -100.0 To 9999. %

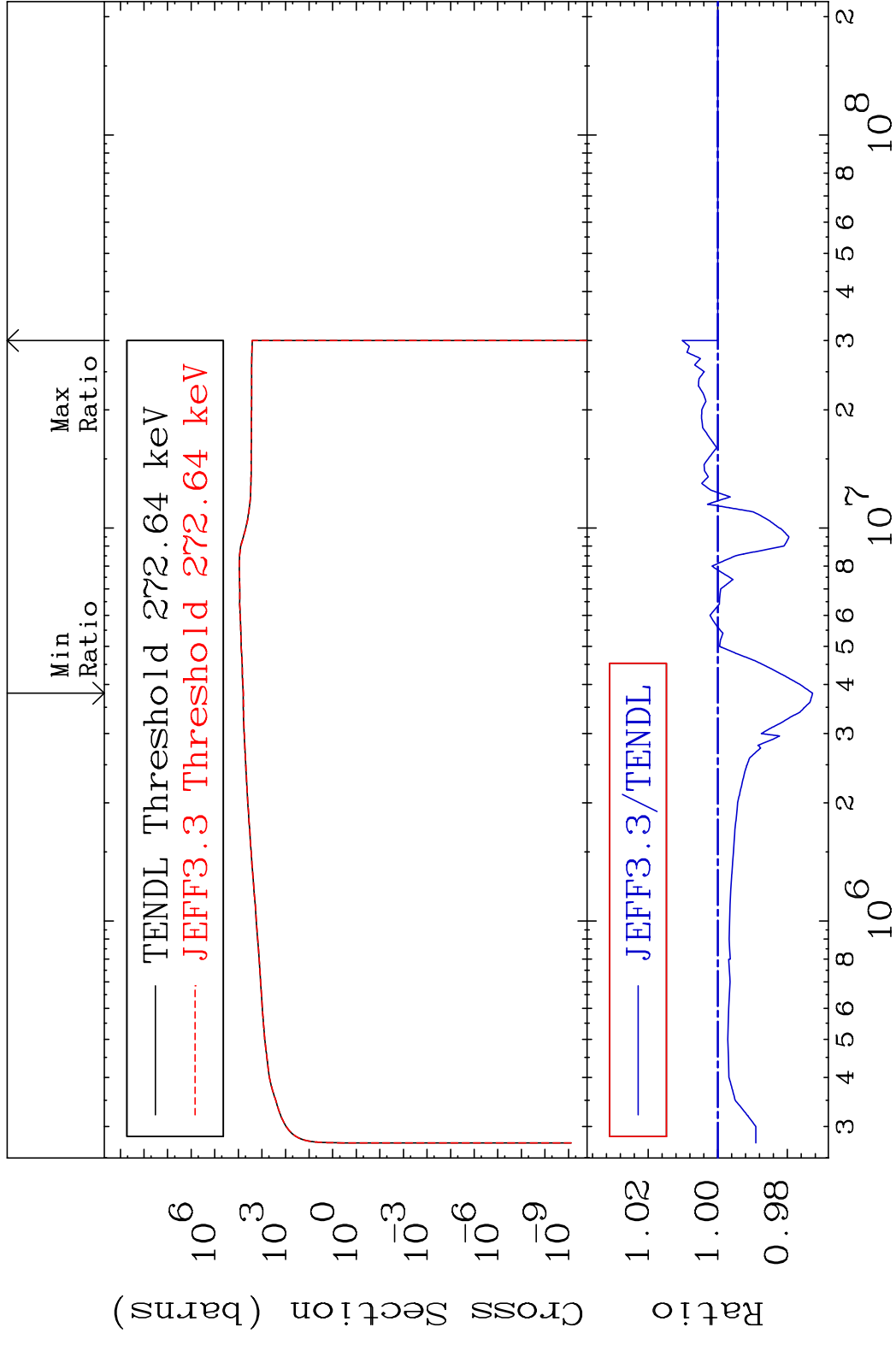


71

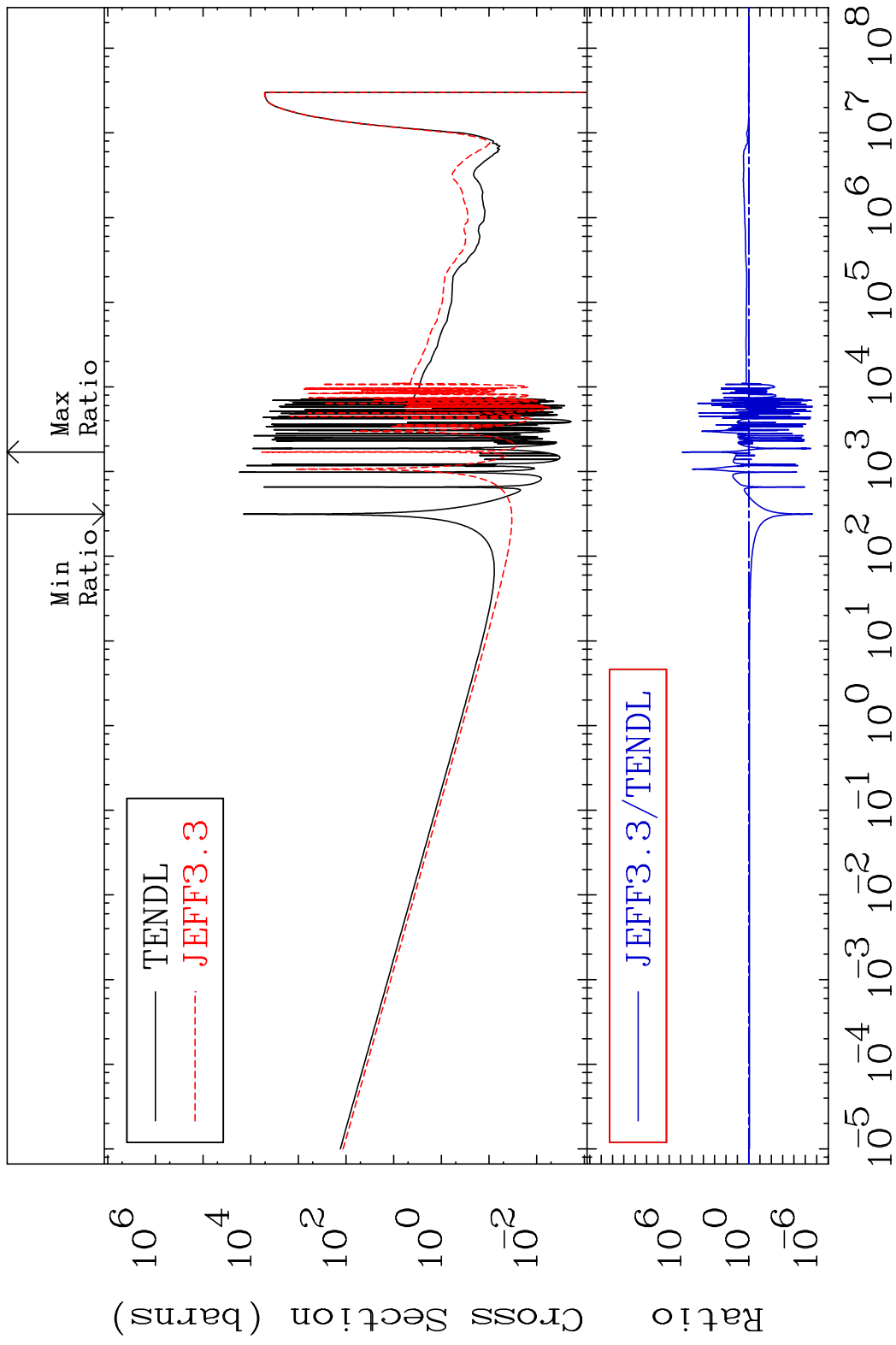
Incident Energy (eV)

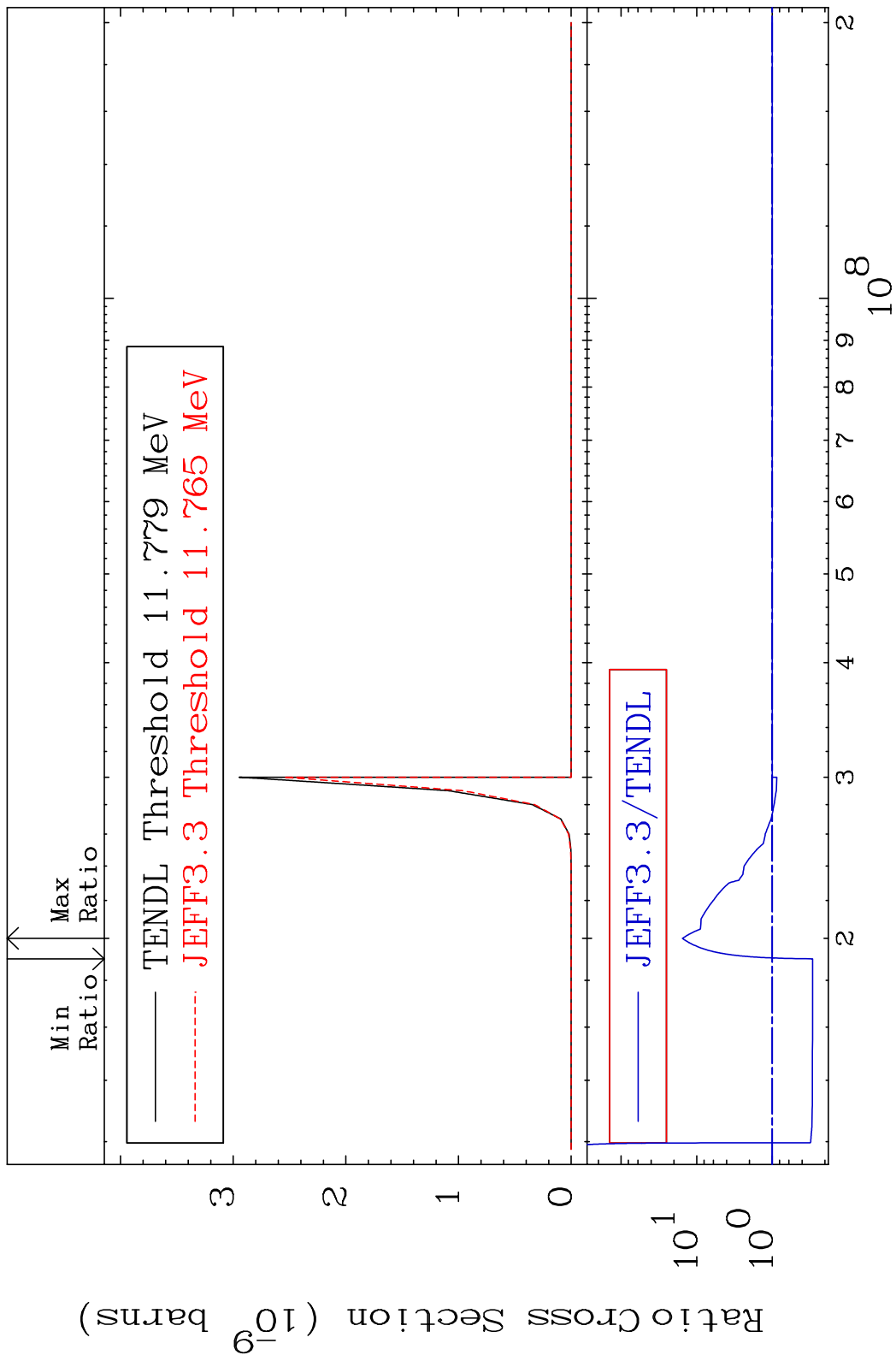
44-Ru-106

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. %

