

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

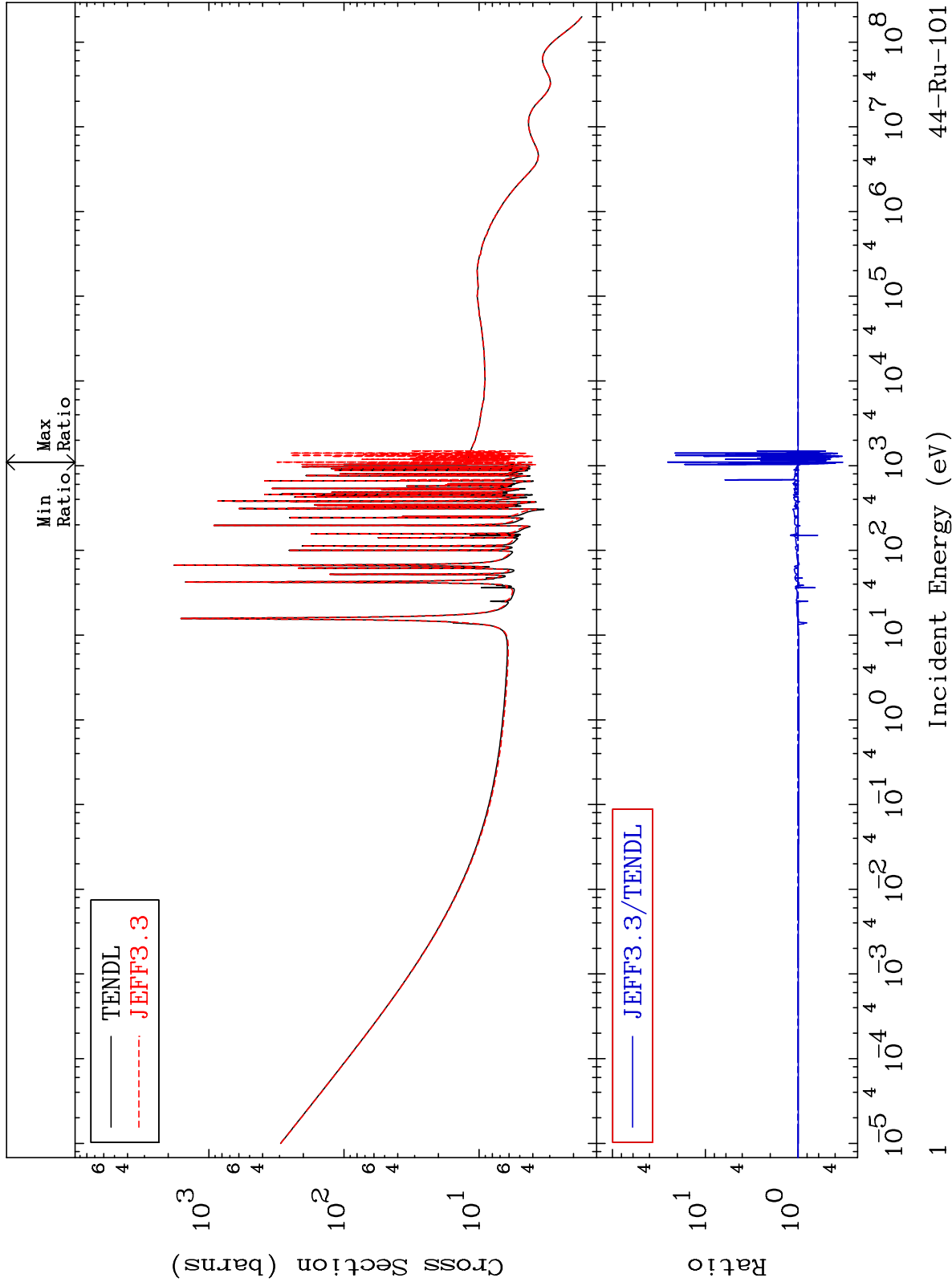
MAT 4440

Total

44-Ru-101

-66.90 To 2452. %

Cross Section



44-Ru-101

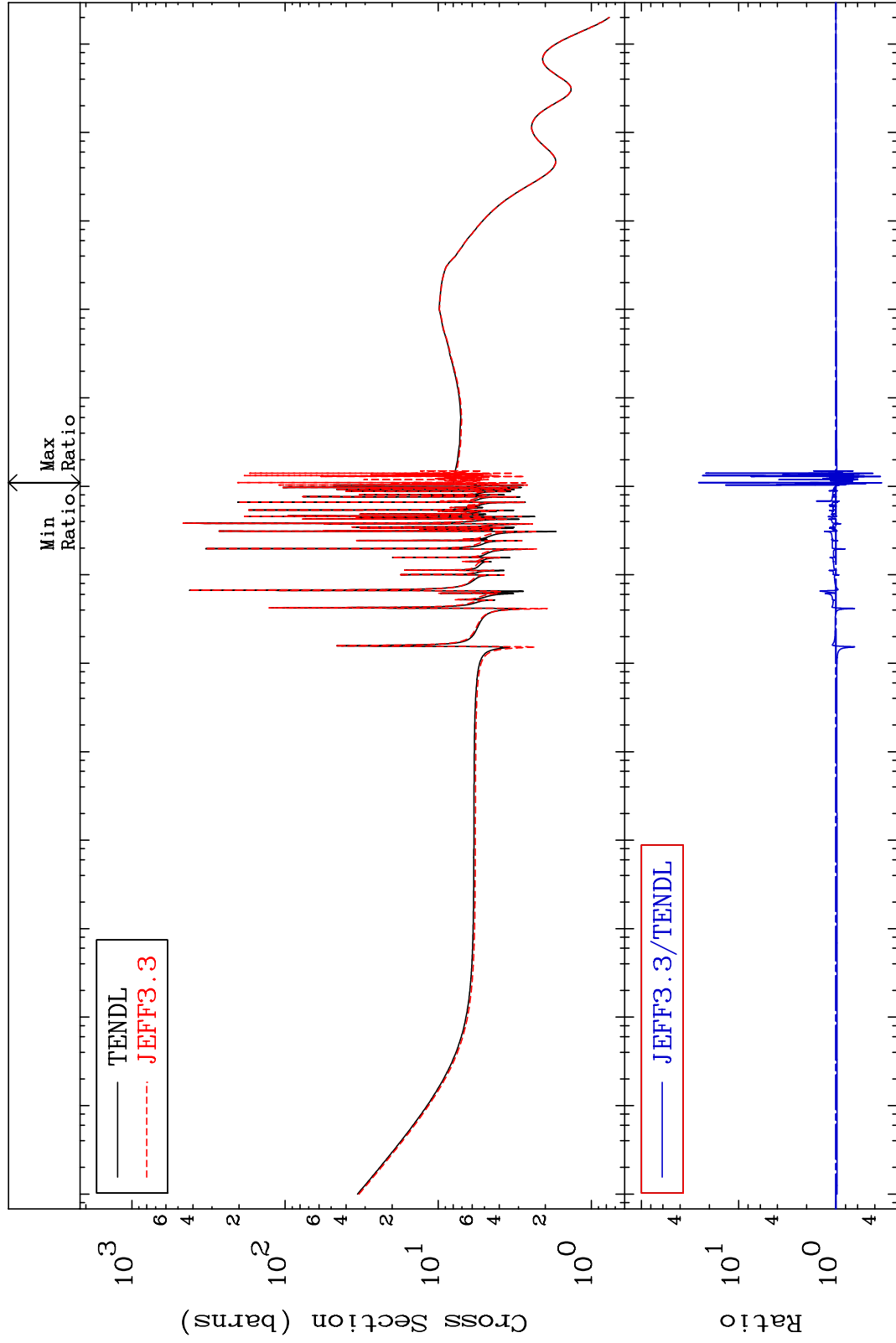
MAT 4440

Elastic

44-Ru-101

Cross Section

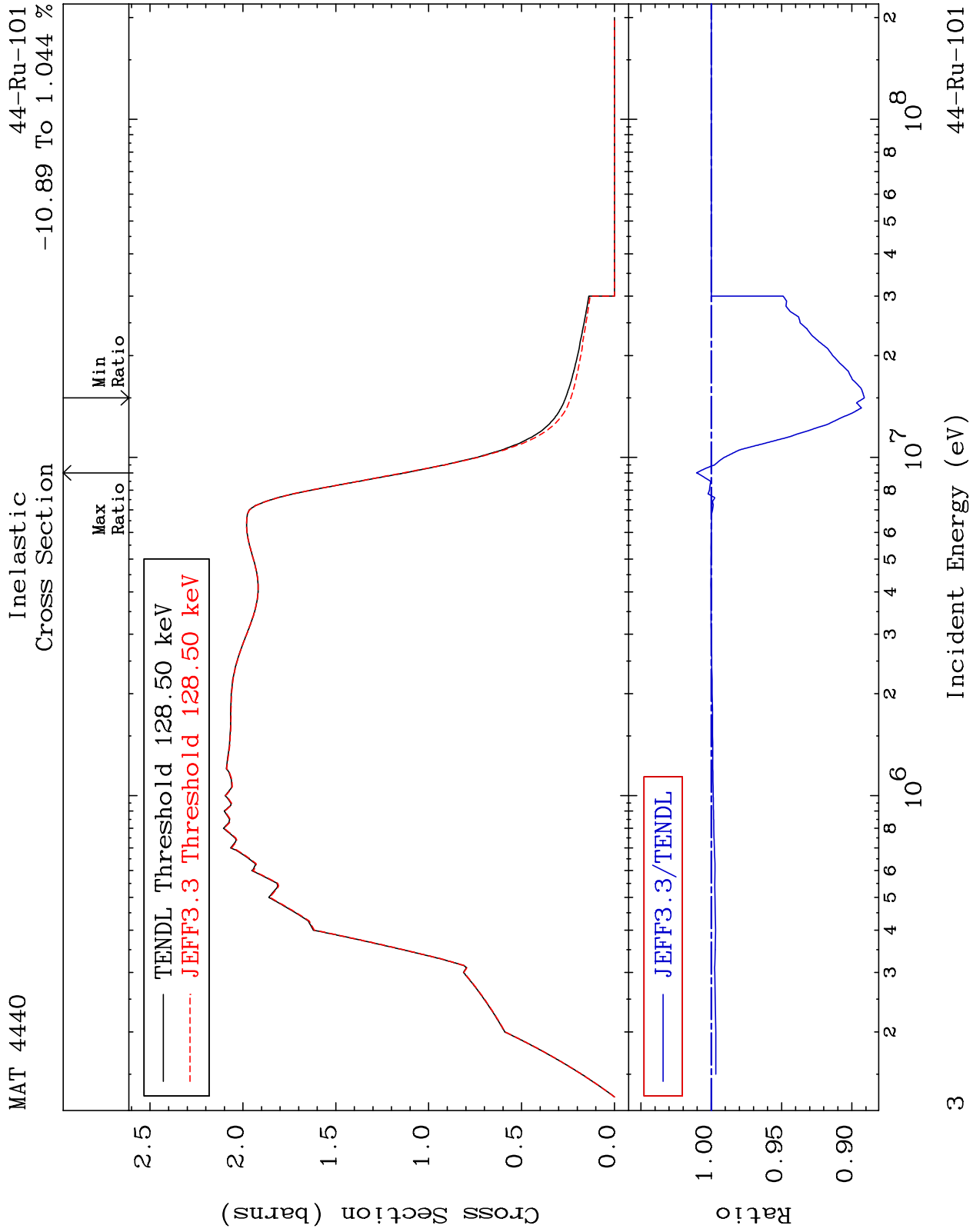
-65.99 To 2475. %



2

Incident Energy (eV)

44-Ru-101



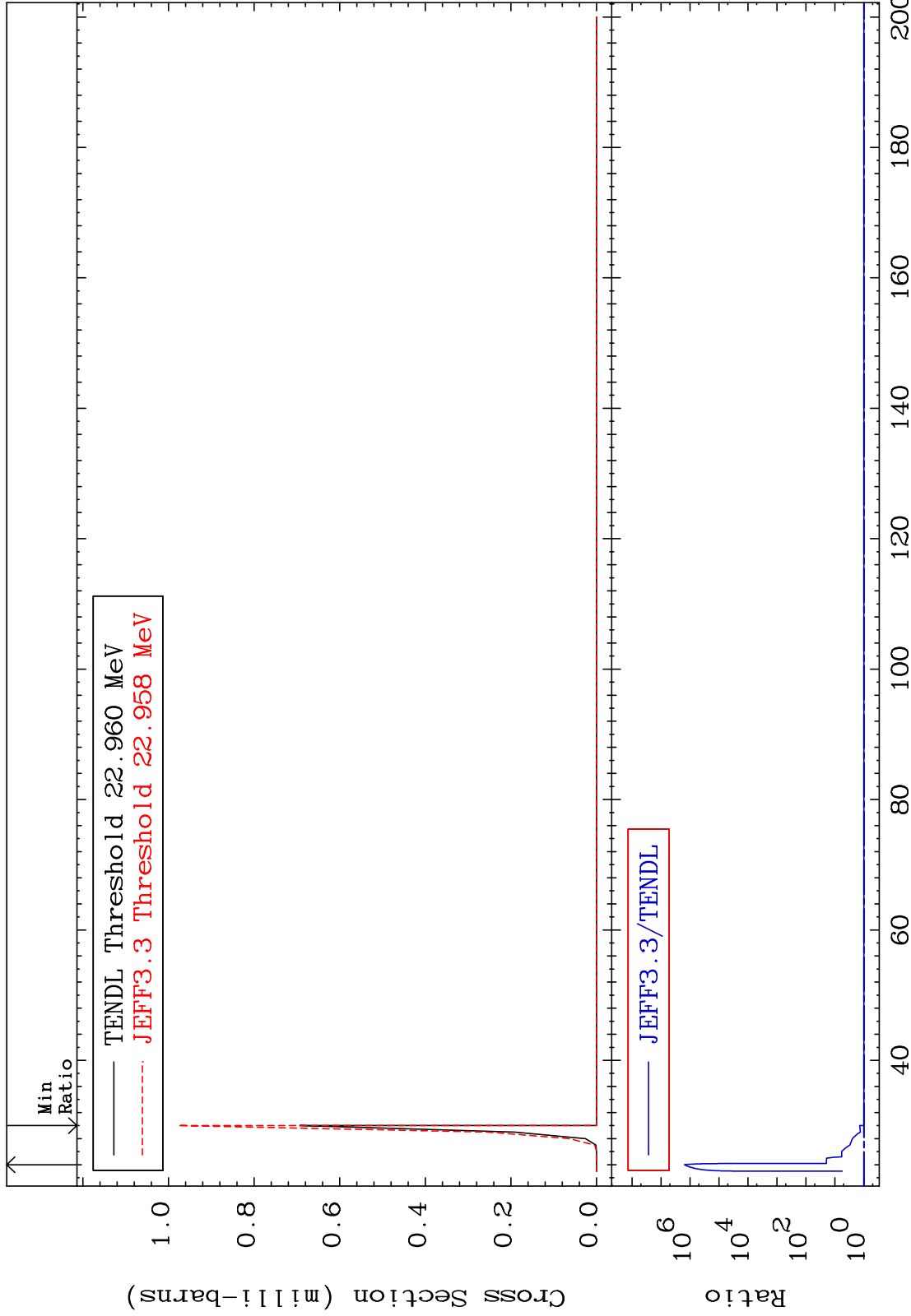
MAT 4440

(n,2n) d

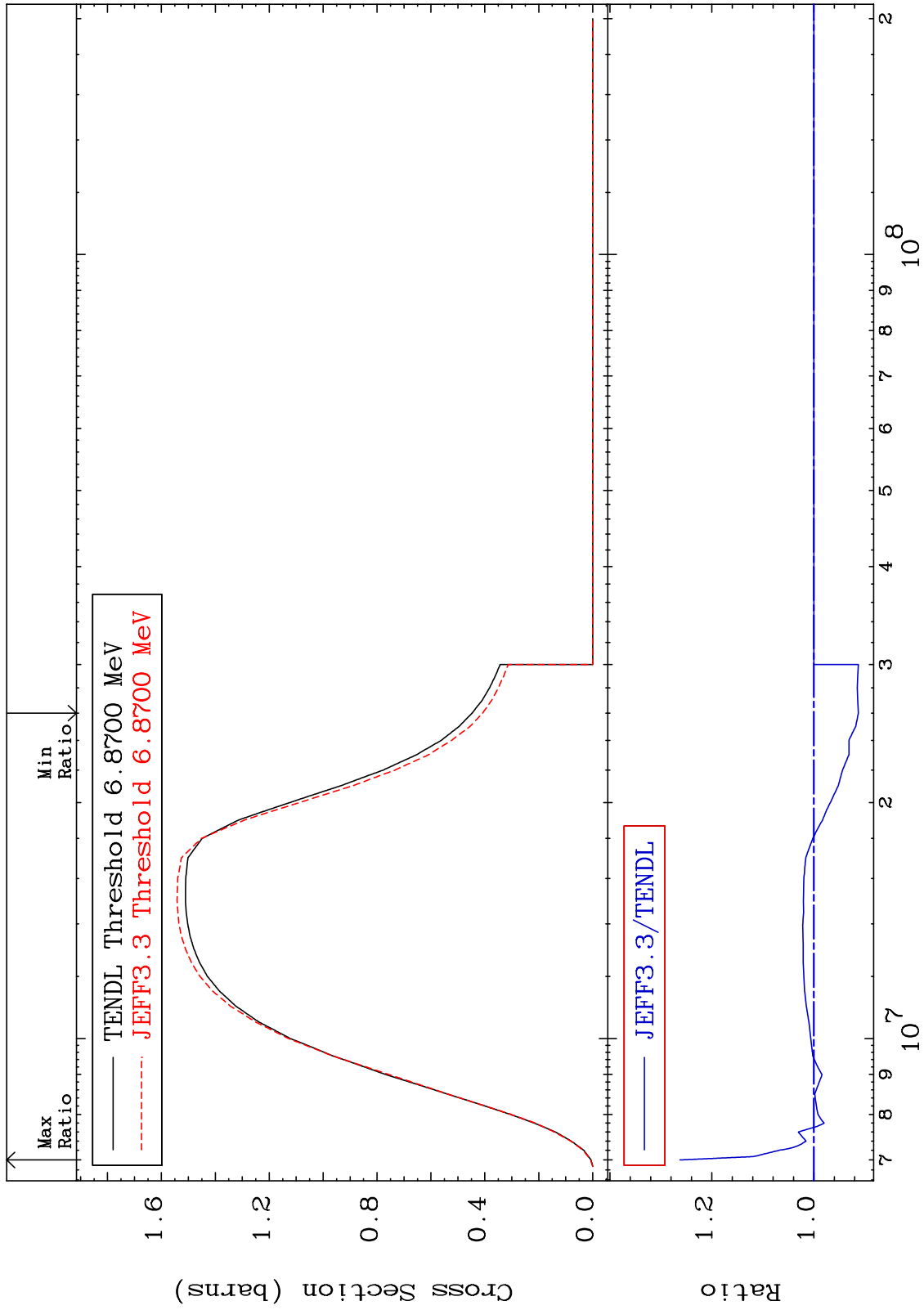
44-Ru-101

Cross Section

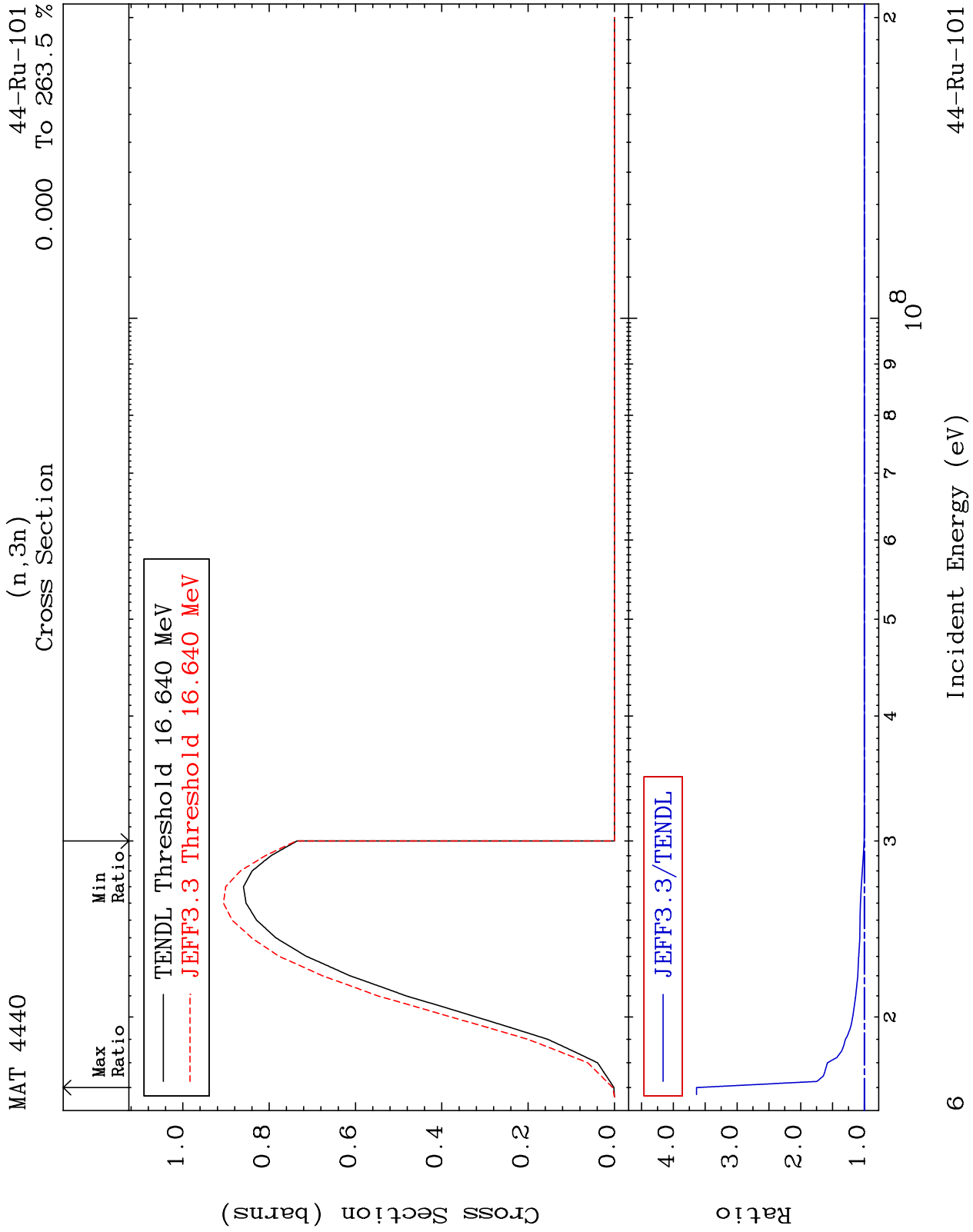
0.000 To 9999. %



MAT 4440 (n,2n) Cross Section 44-Ru-101 -8.725 To 26.25 %



5 44-Ru-101



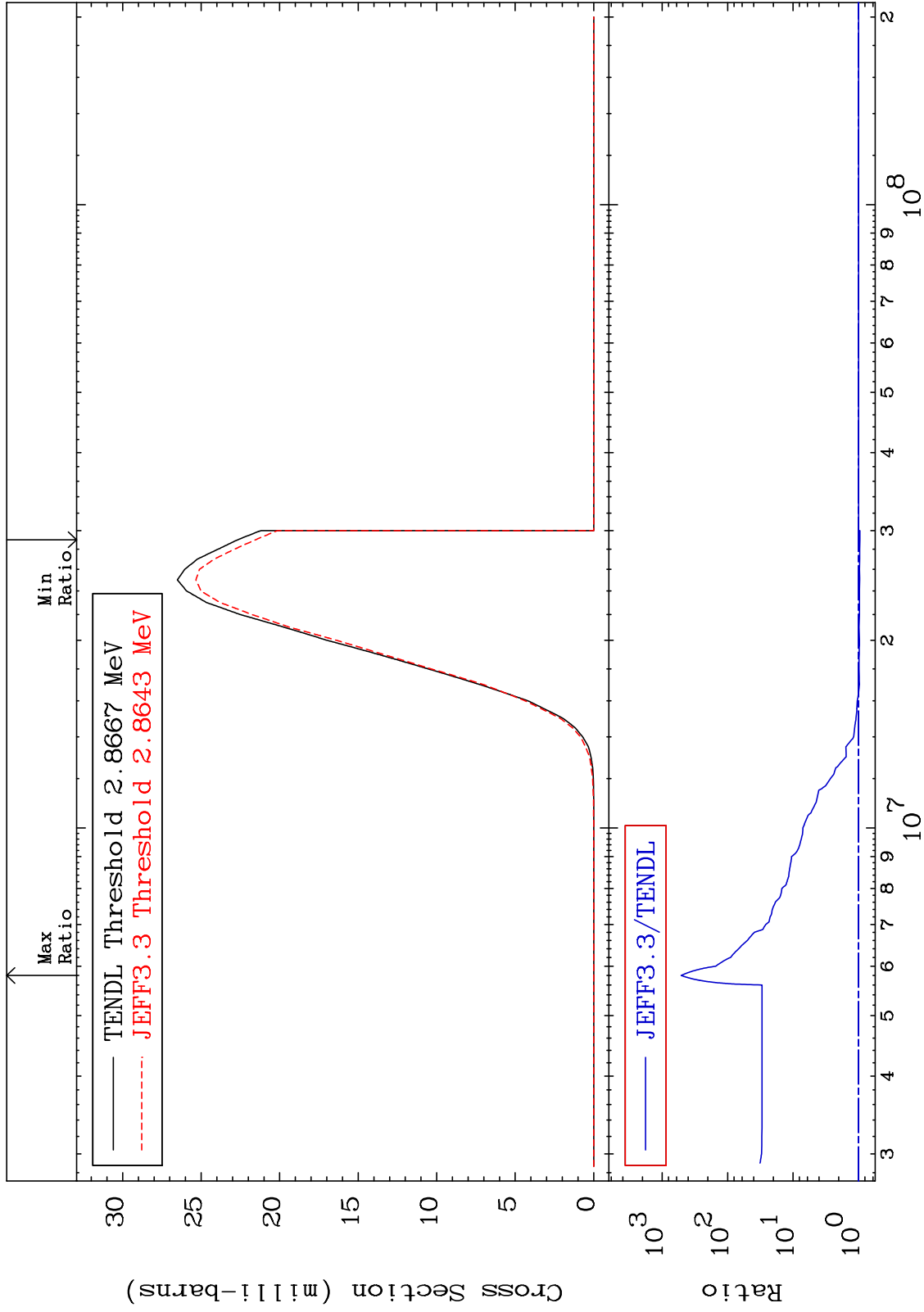
MAT 4440

(n, n') α

44-Ru-101

Cross Section

-5.024 To 9999. %



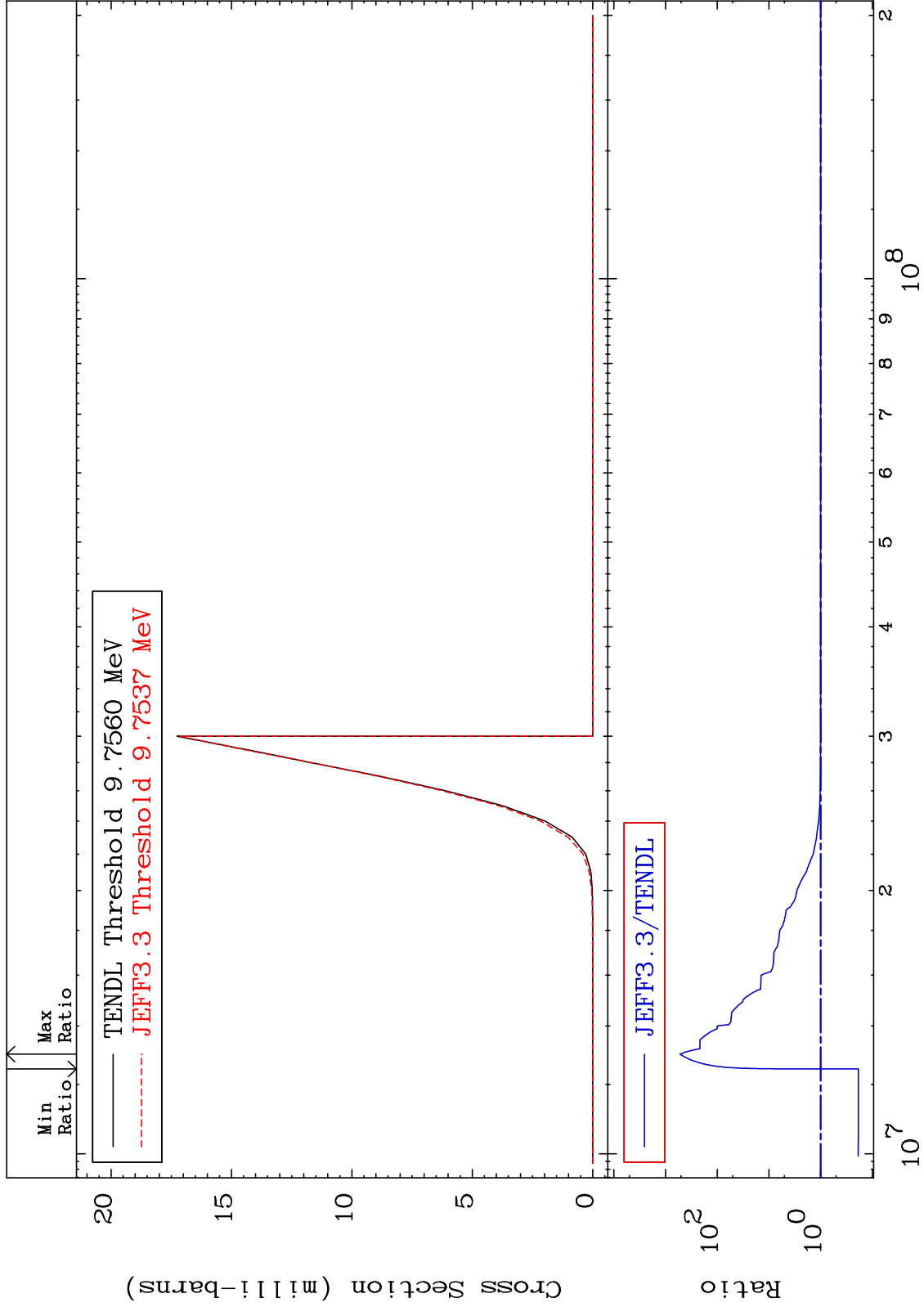
MAT 4440

(n,2n) α

44-Ru-101

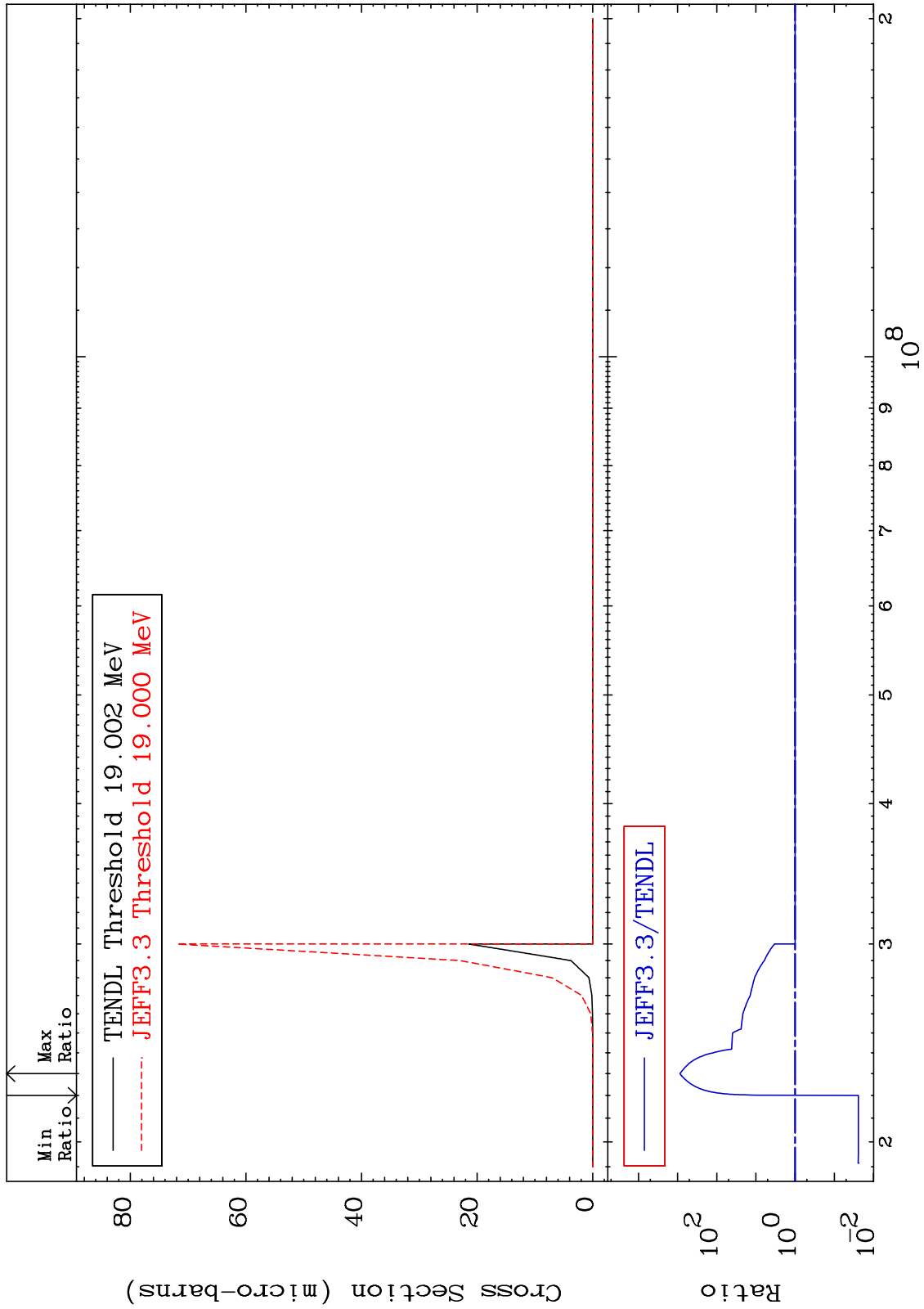
Cross Section

-81.45 To 9999. %



44-Ru-101

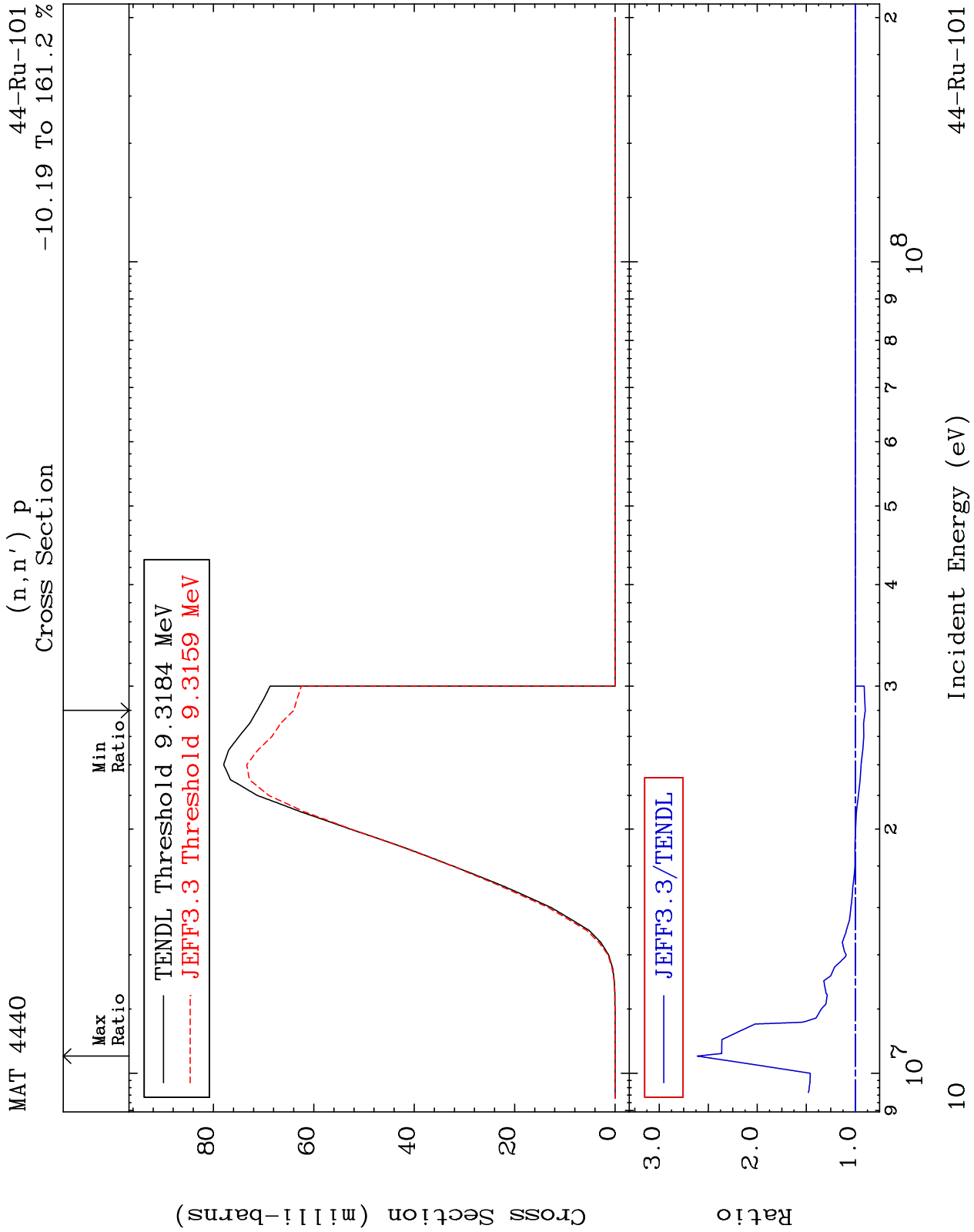
MAT 4440 (n,3n) α 44-Ru-101
Cross Section -97.58 To 9999. %



44-Ru-101

Incident Energy (eV)

9



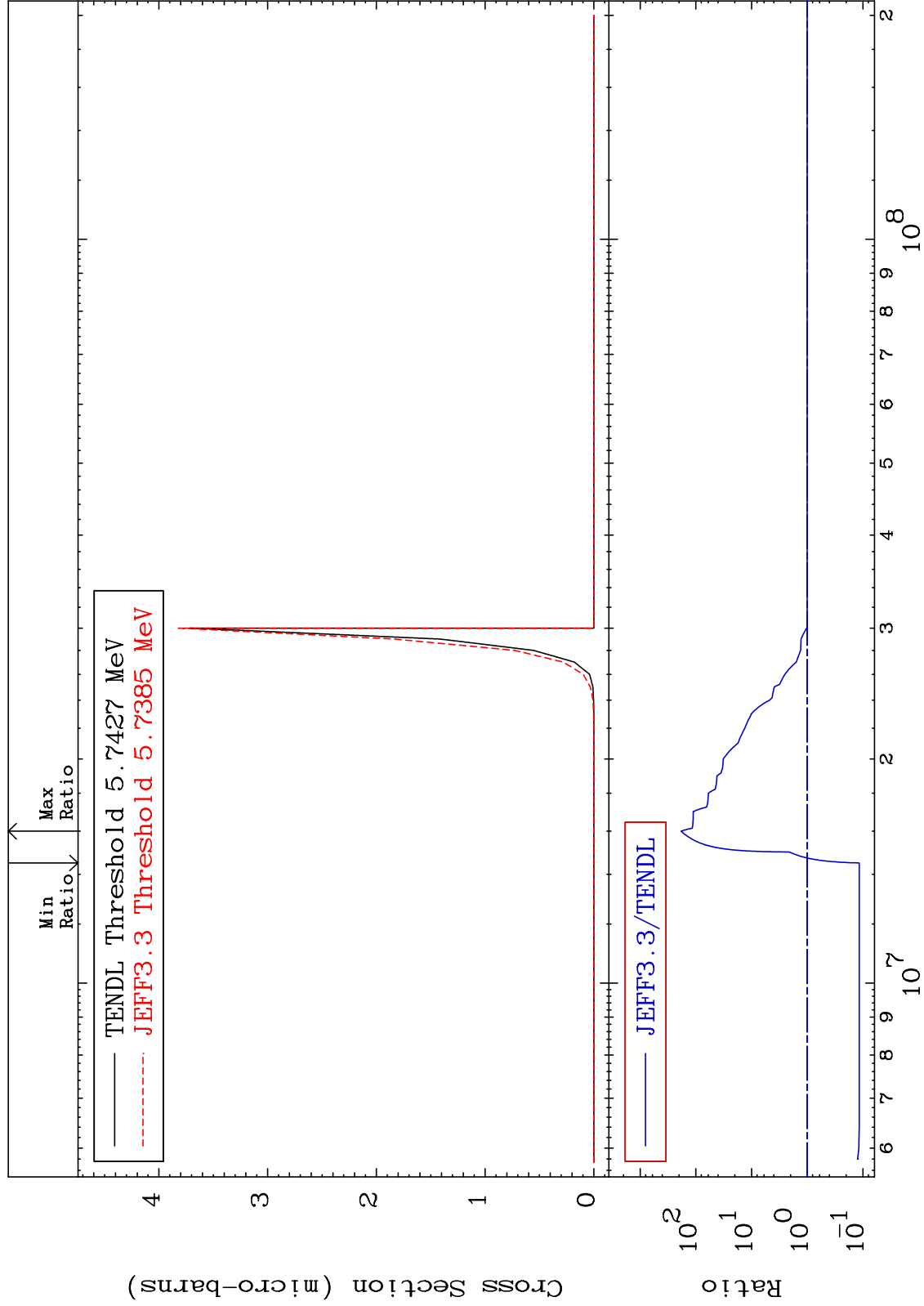
MAT 4440

(n, n') 2α

44-Ru-101

-88.36 To 9999. %

Cross Section



44-Ru-101

Incident Energy (eV)

11

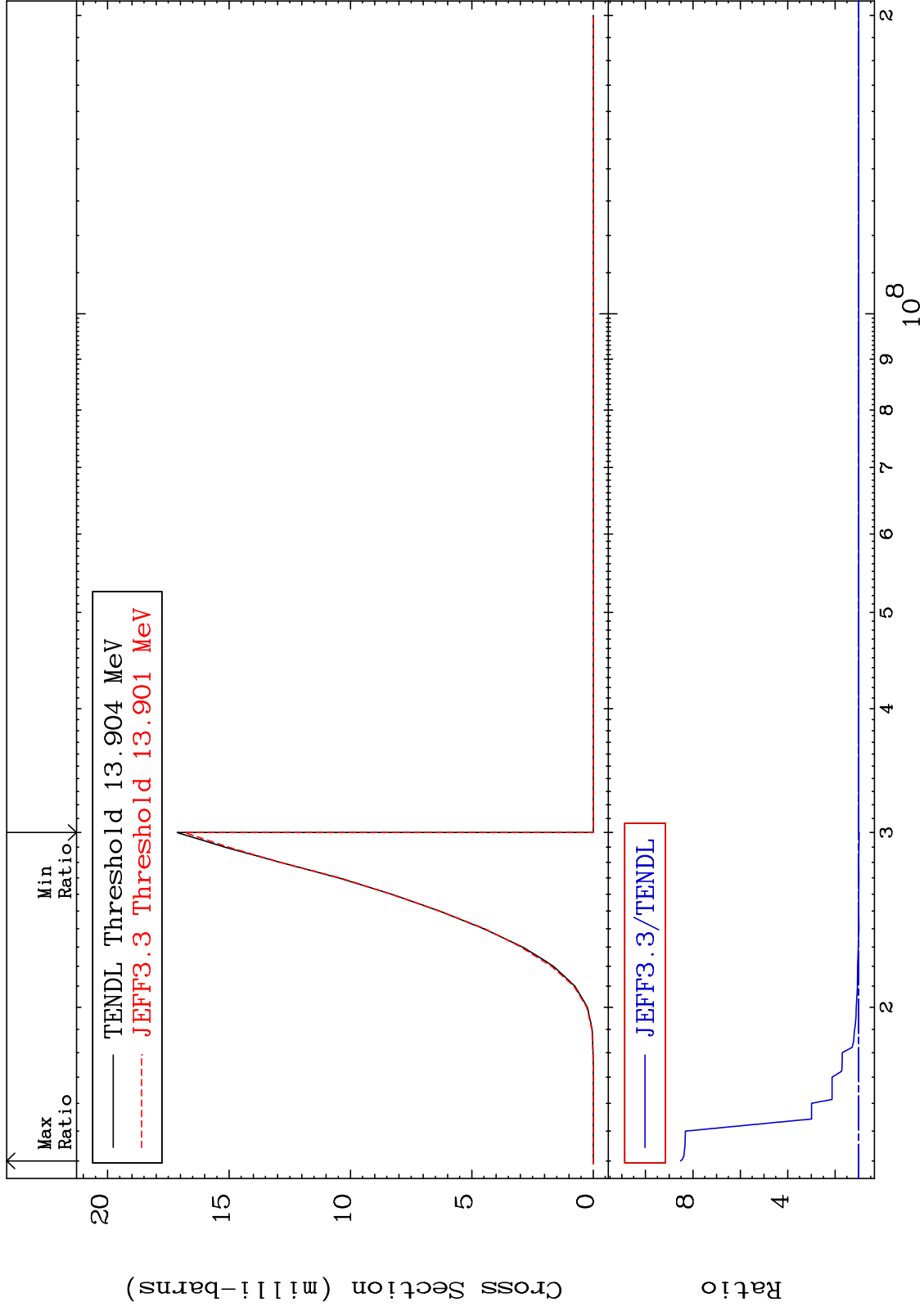
MAT 4440

(n, n') d

44-Ru-101

Cross Section

-1.708 To 751.8 %

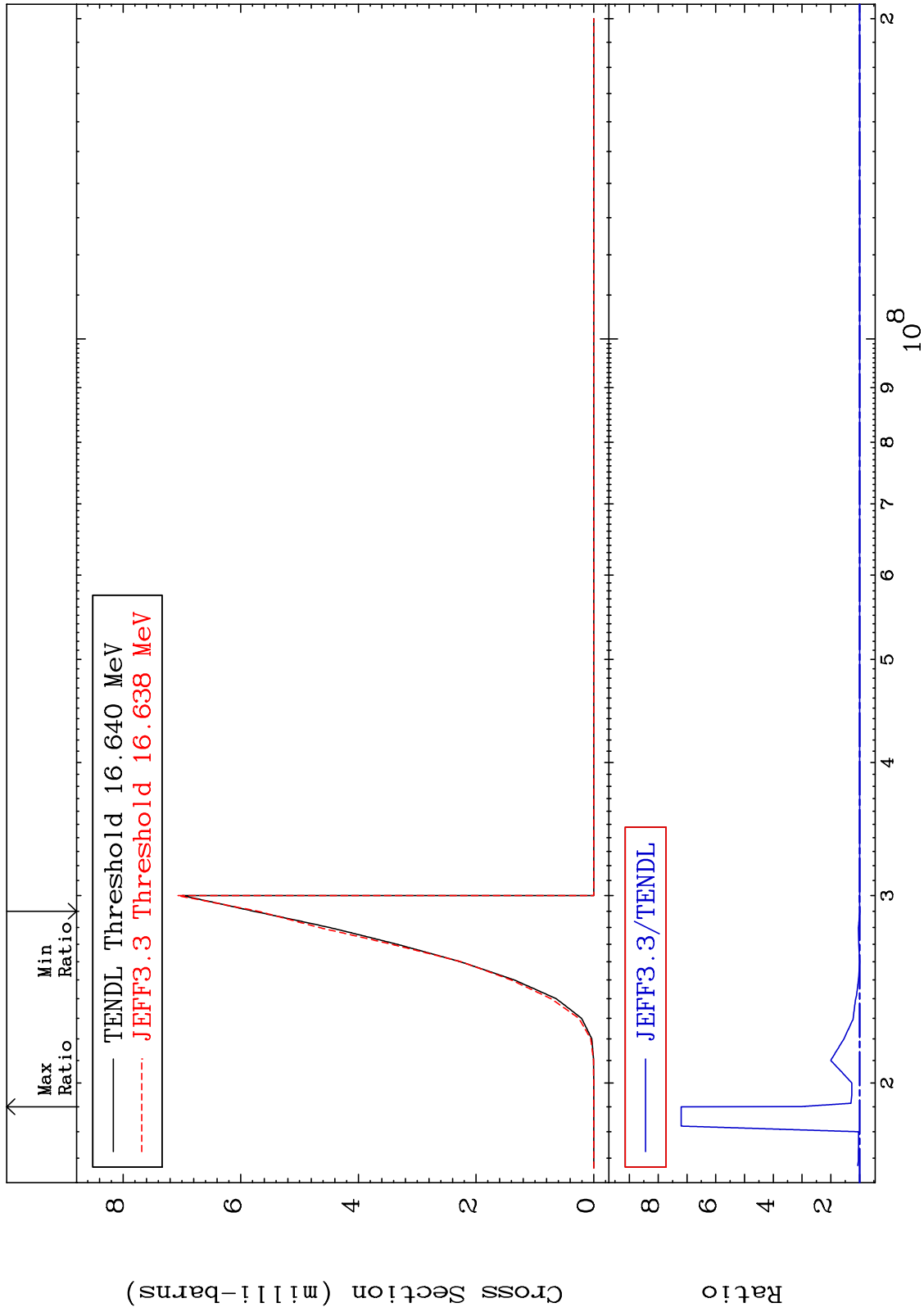


12

44-Ru-101

44-Ru-101

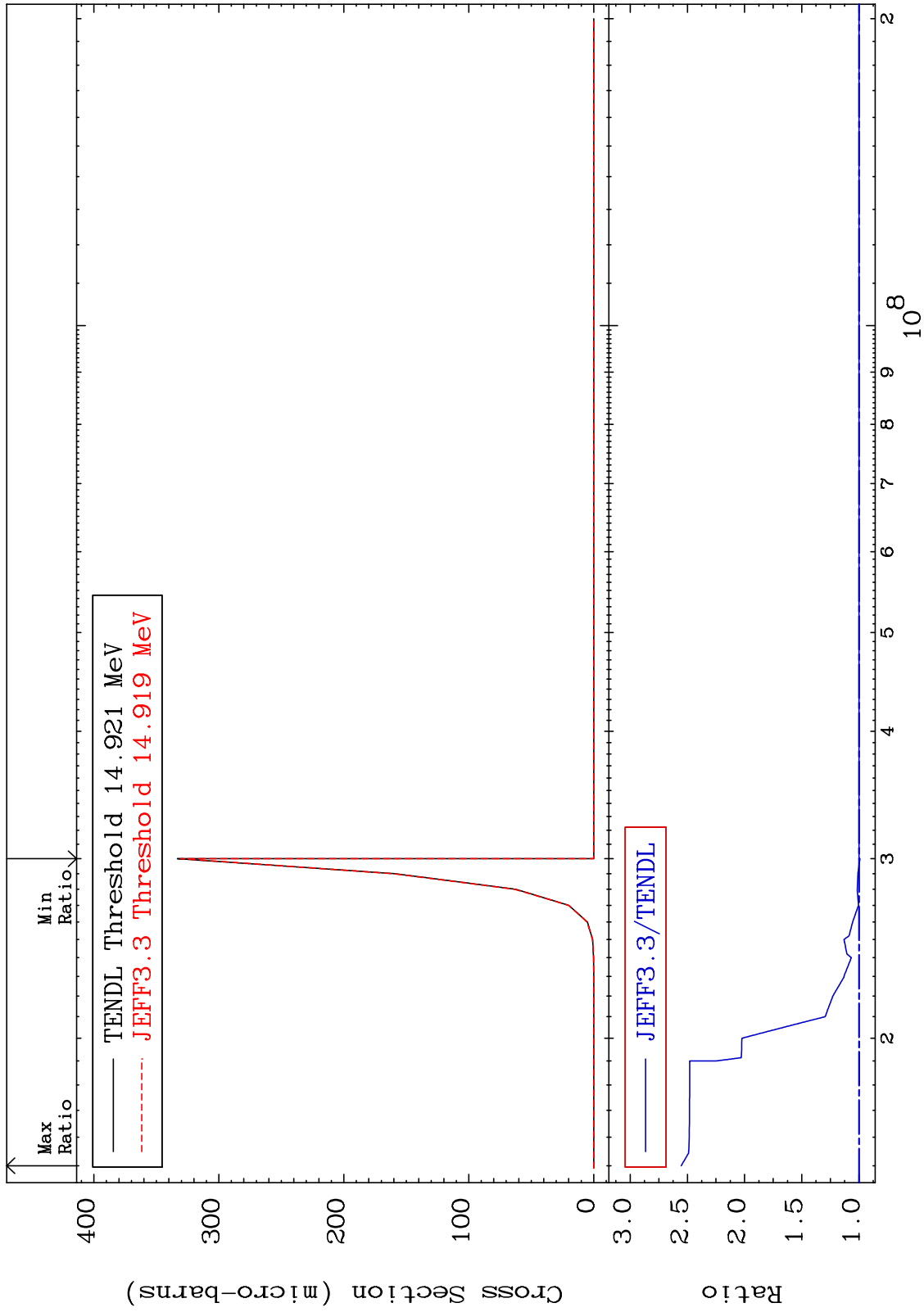
MAT 4440 (n, n') t 44-Ru-101
 Cross Section -1.282 To 619.9 %



44-Ru-101

Incident Energy (eV)

MAT 4440 (n, n') He-3 Cross Section 44-Ru-101 -0.856 To 155.4 %



44-Ru-101

Incident Energy (eV)

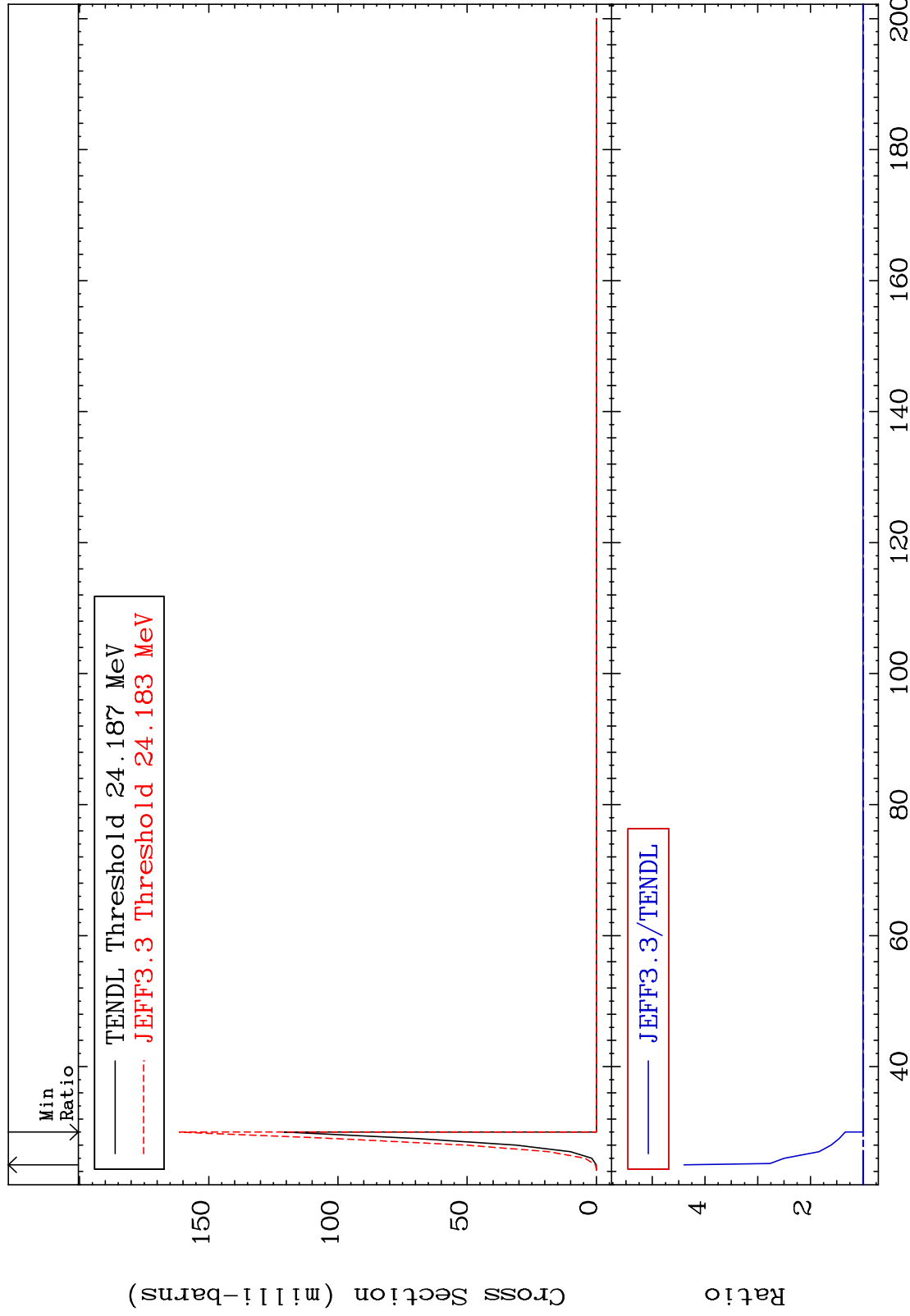
MAT 4440

(n, 4n)

44-Ru-101

Cross Section

0.000 To 339.8 %



15

Incident Energy (MeV)

44-Ru-101

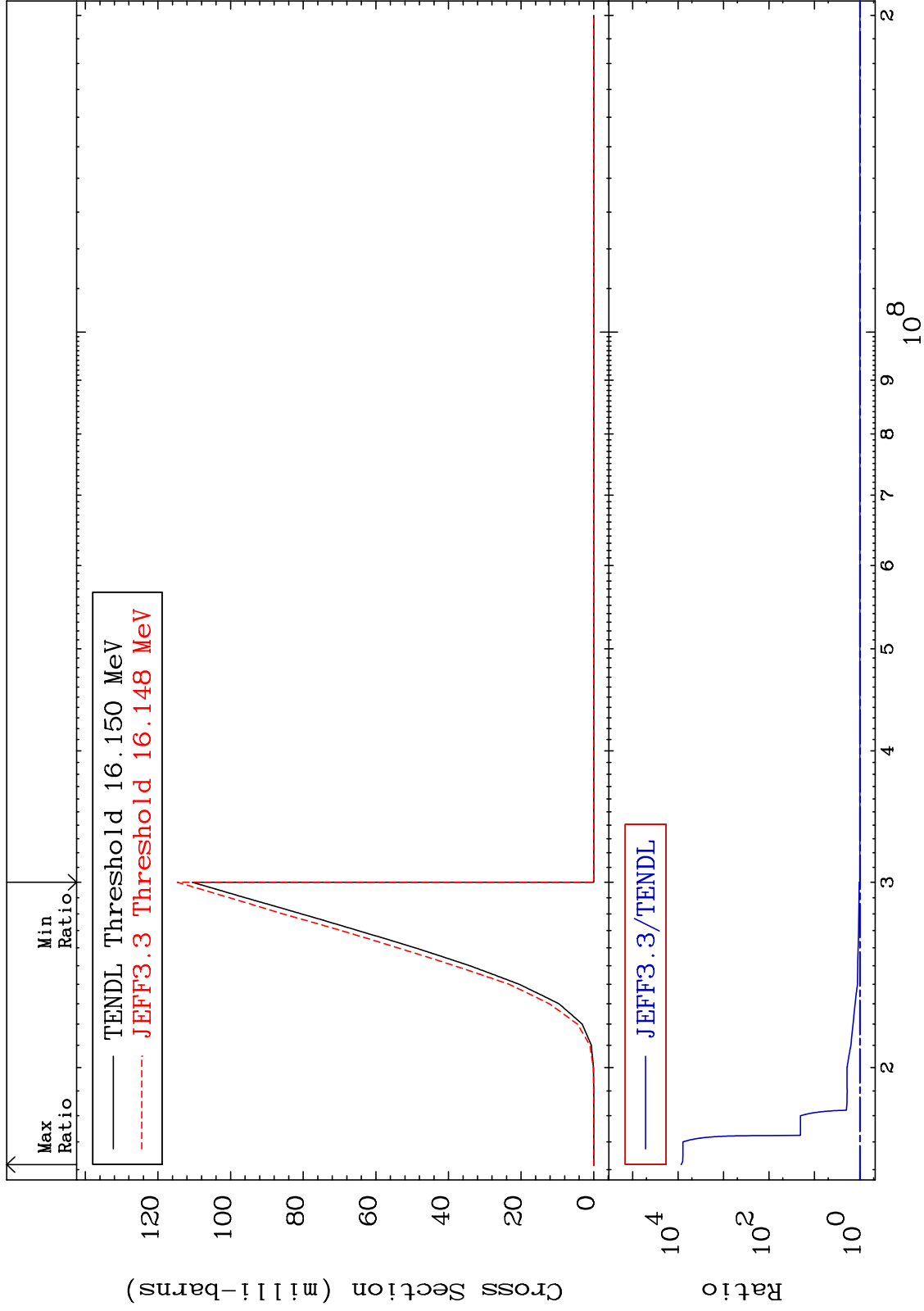
MAT 4440

(n,2n) p

44-Ru-101

Cross Section

0.000 To 9999. %



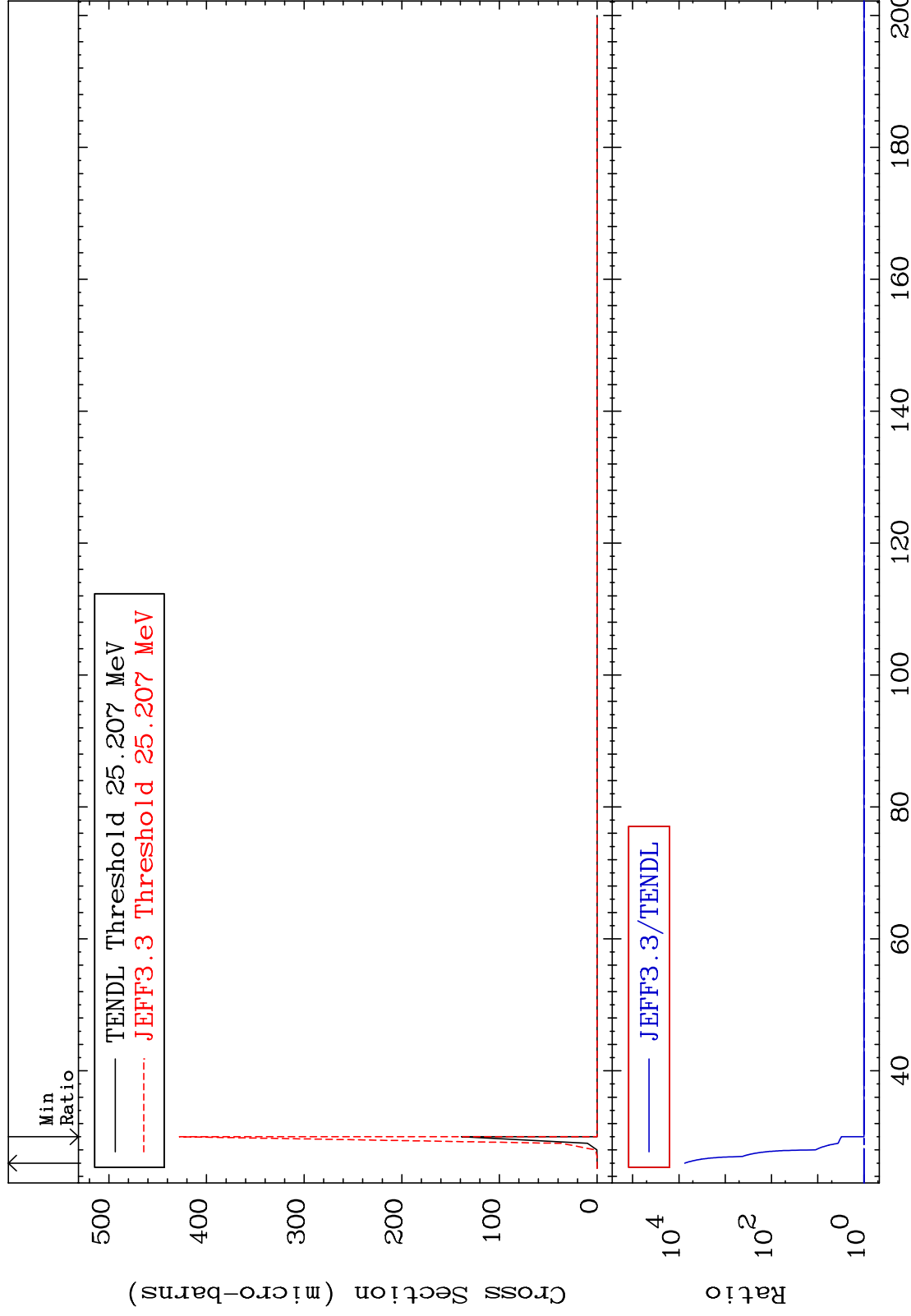
MAT 4440

(n,3n) p

44-Ru-101

Cross Section

0.000 To 9999. %



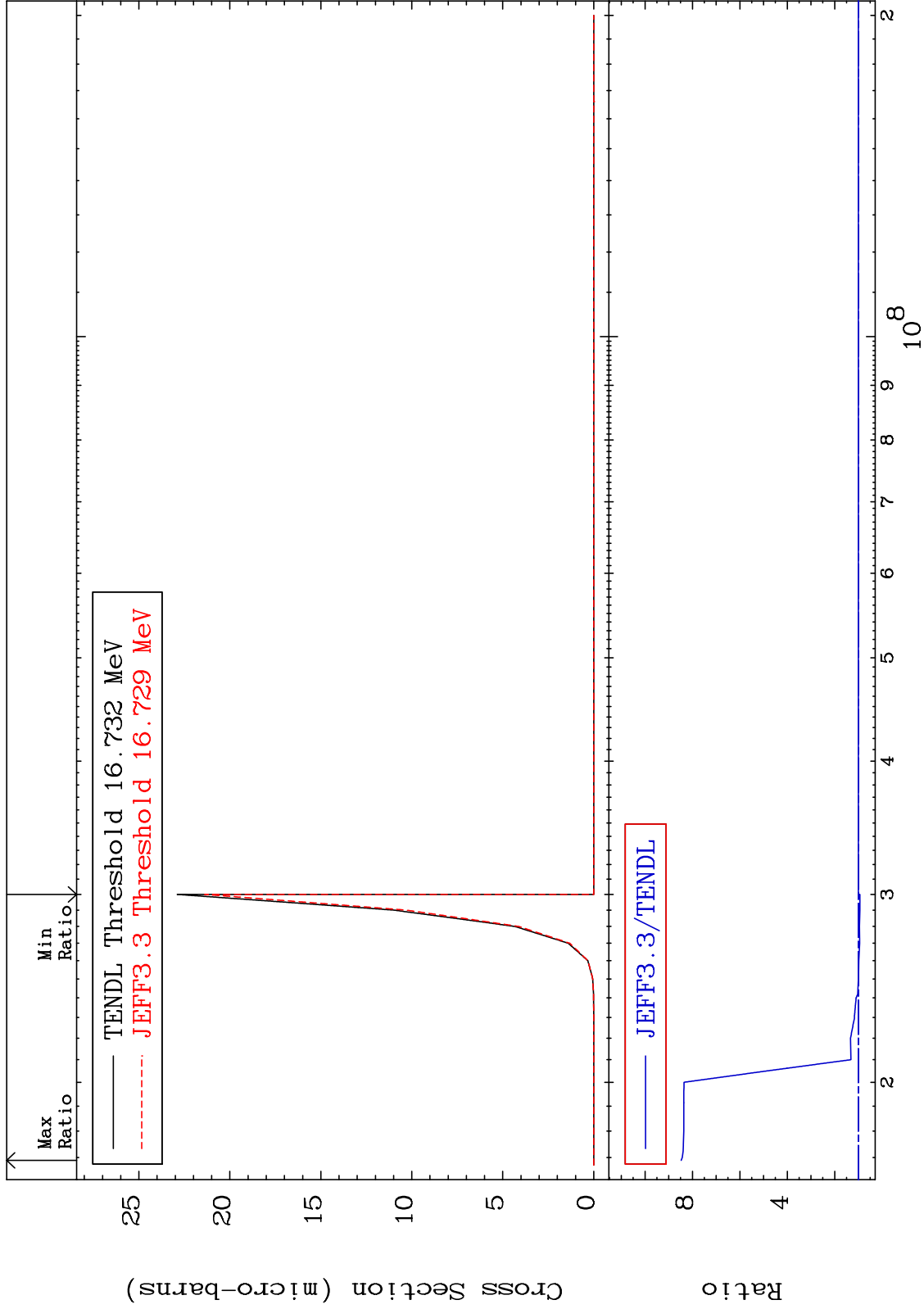
MAT 4440

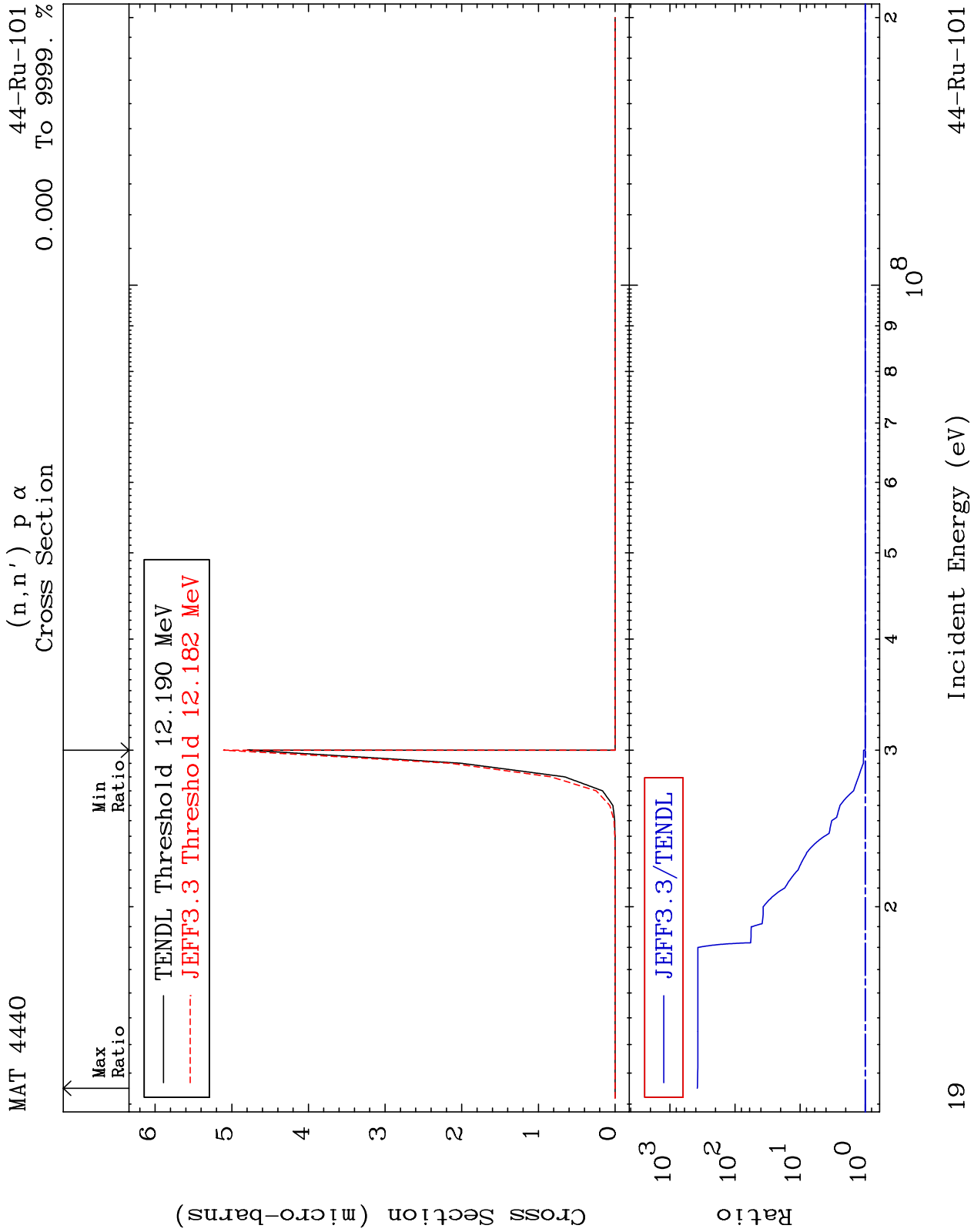
(n,2n) p

44-Ru-101

Cross Section

-6.607 To 747.4 %

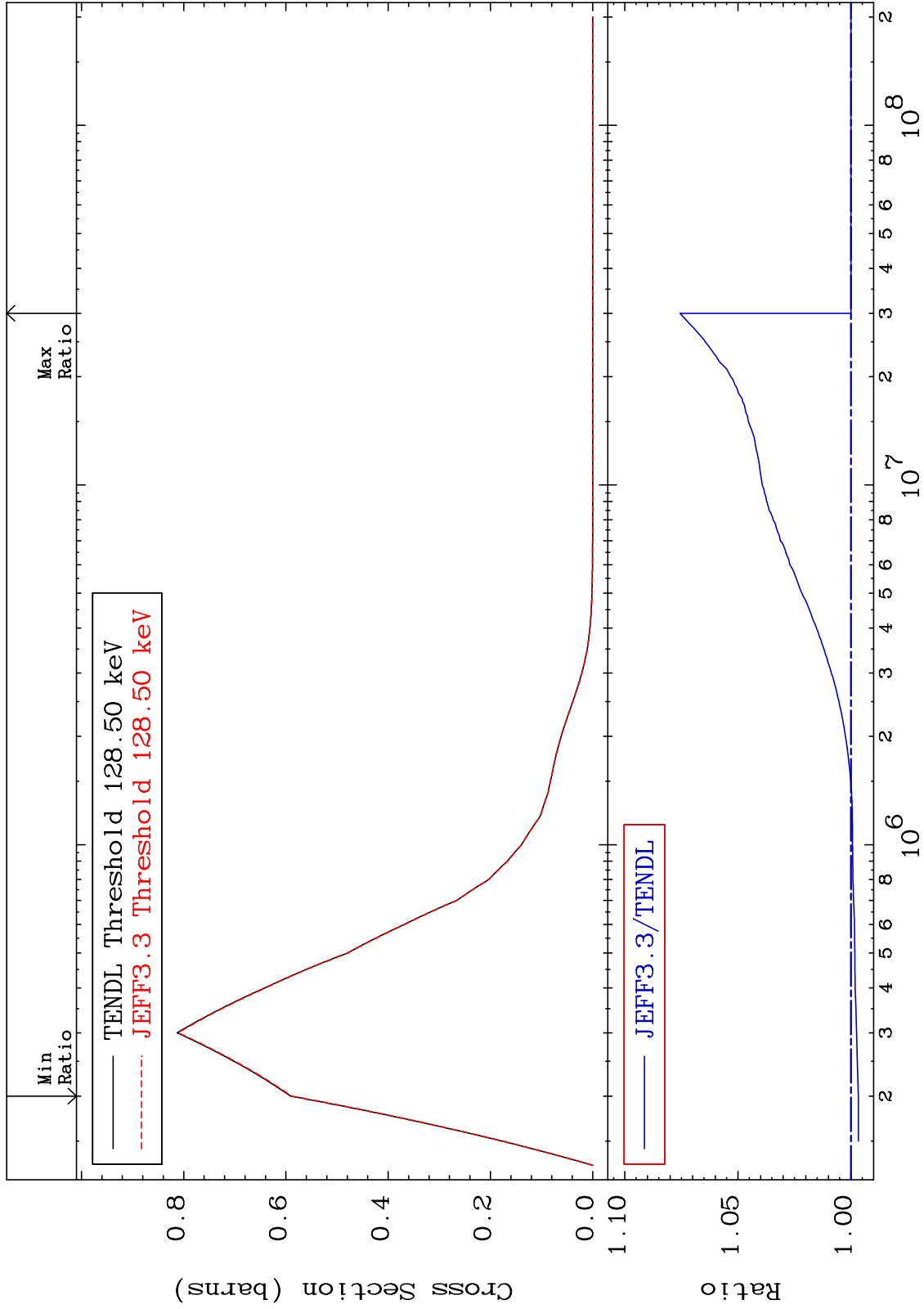




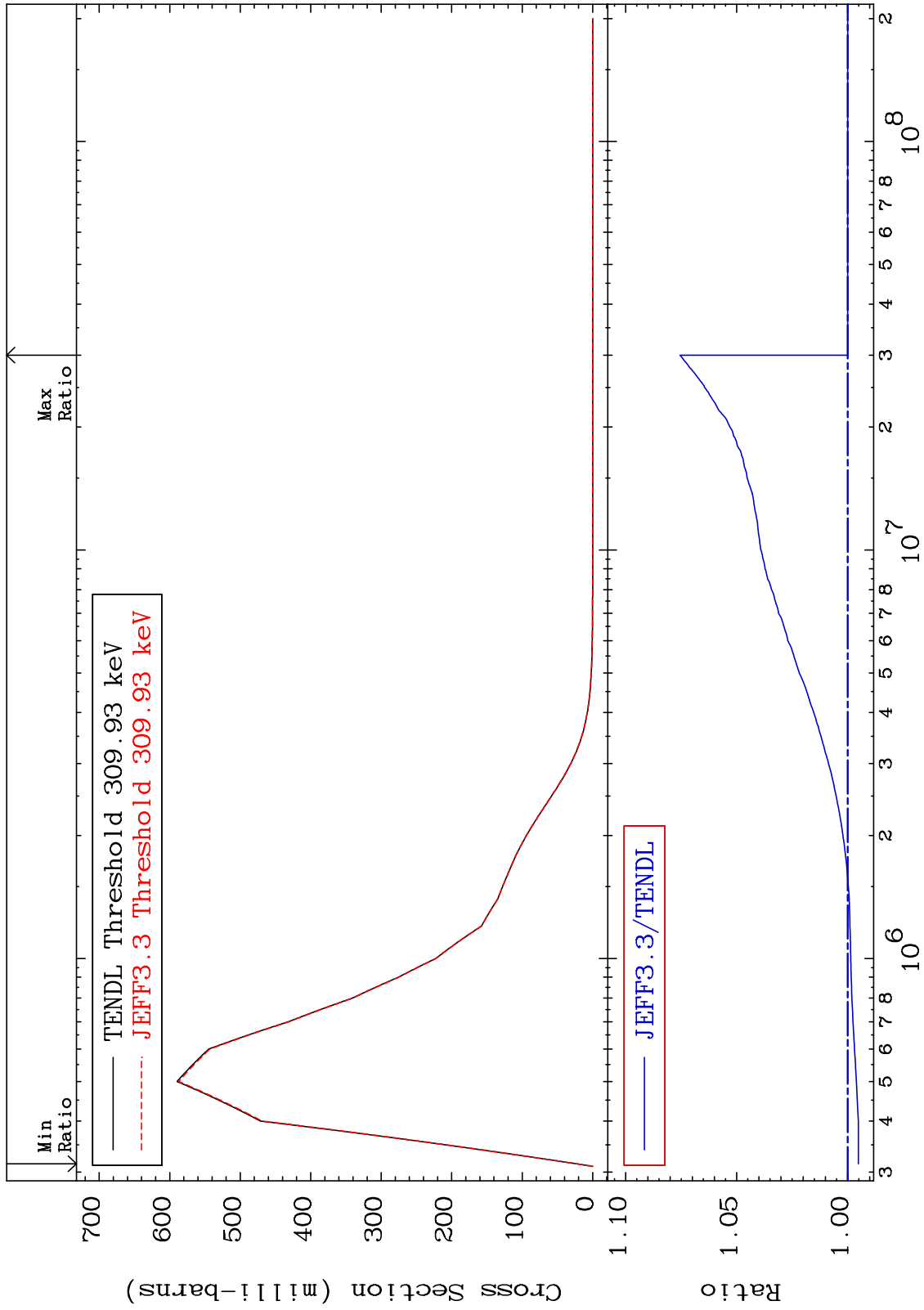
MAT 4440

MT= 51 (n, n') Level
Cross Section

44-Ru-101
-0.327 To 7.561 %



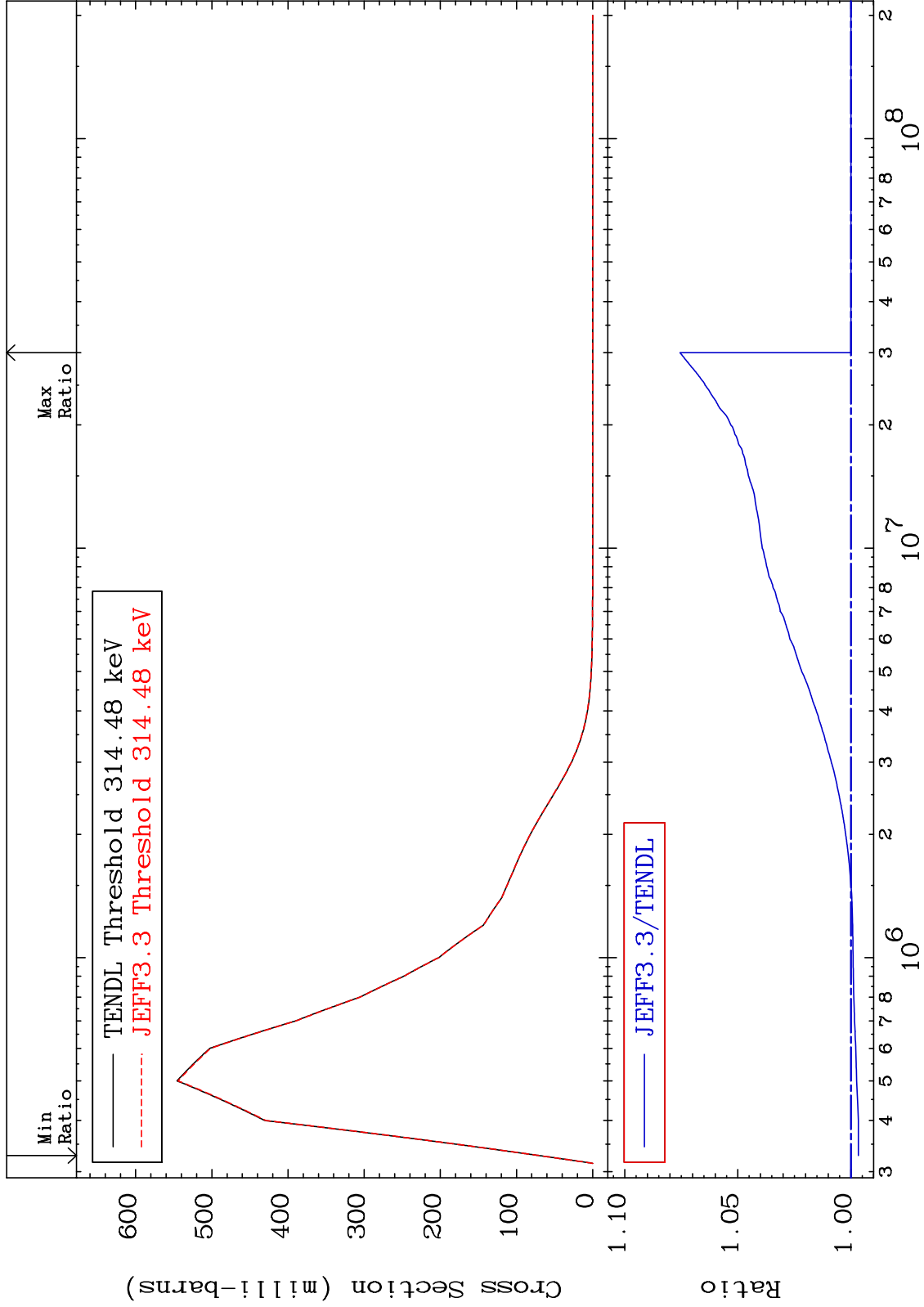
MAT 4440 MT= 52 (n,n') Level Cross Section 44-Ru-101
 -0.487 To 7.553 %



MAT 4440

MT= 53 (n,n') Level
Cross Section

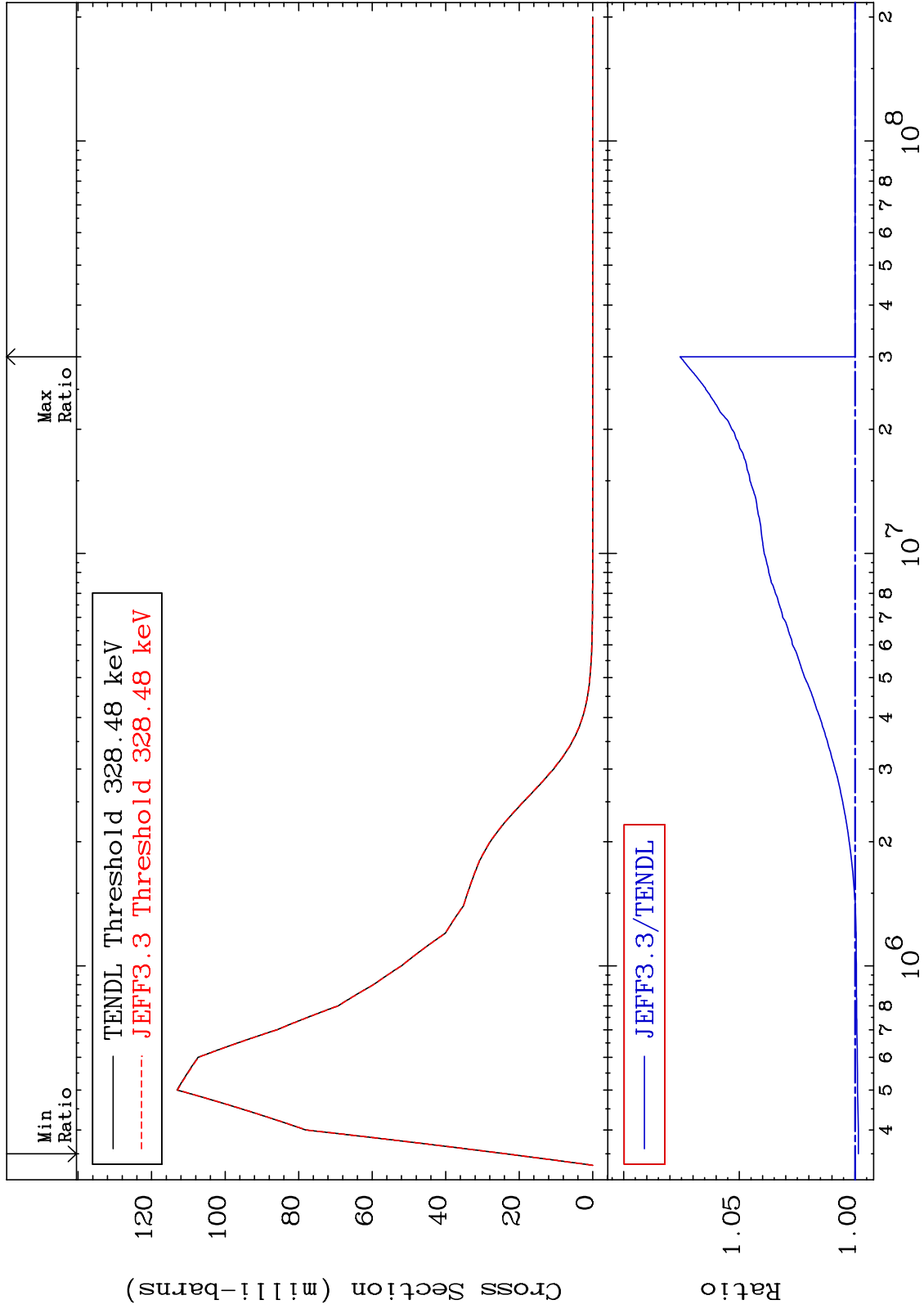
44-Ru-101
-0.333 To 7.557 %



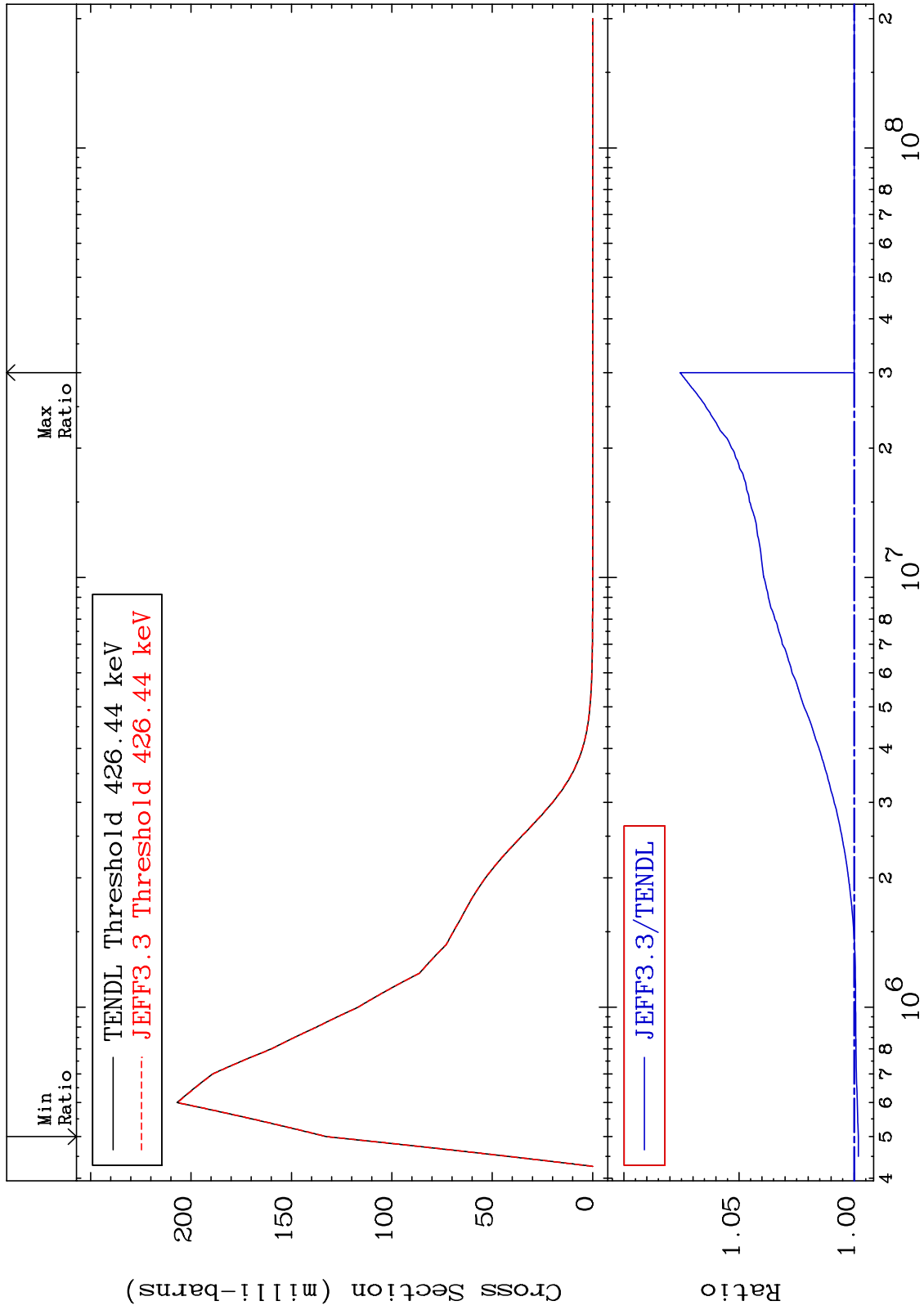
MAT 4440

MT= 54 (n,n') Level
Cross Section

44-Ru-101
-0.141 To 7.564 %



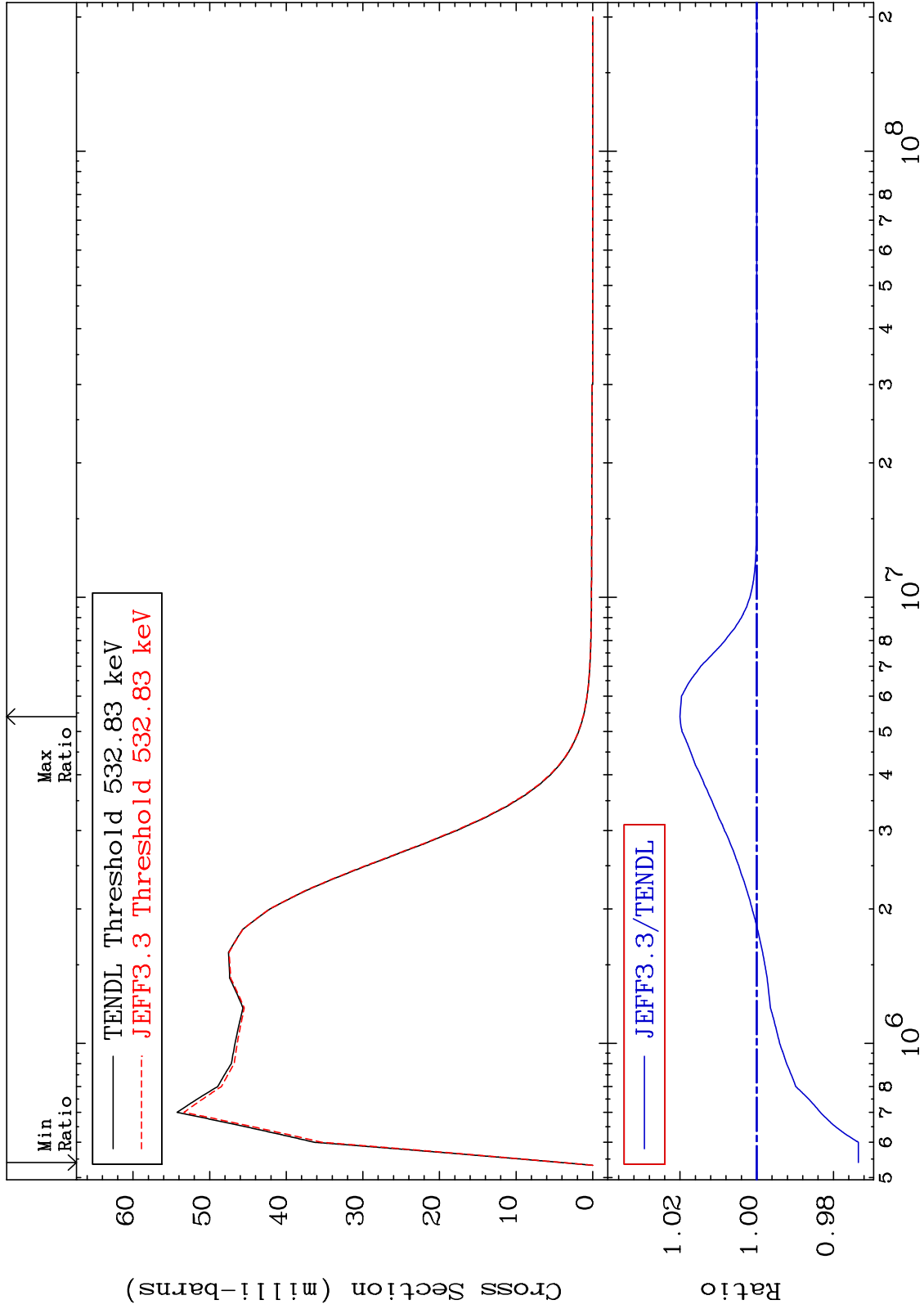
MAT 4440 MT= 55 (n,n') Level 44-Ru-101
 Cross Section -0.182 To 7.561 %



MAT 4440

MT= 56 (n,n') Level
Cross Section

44-Ru-101
-2.651 To 1.999 %



25

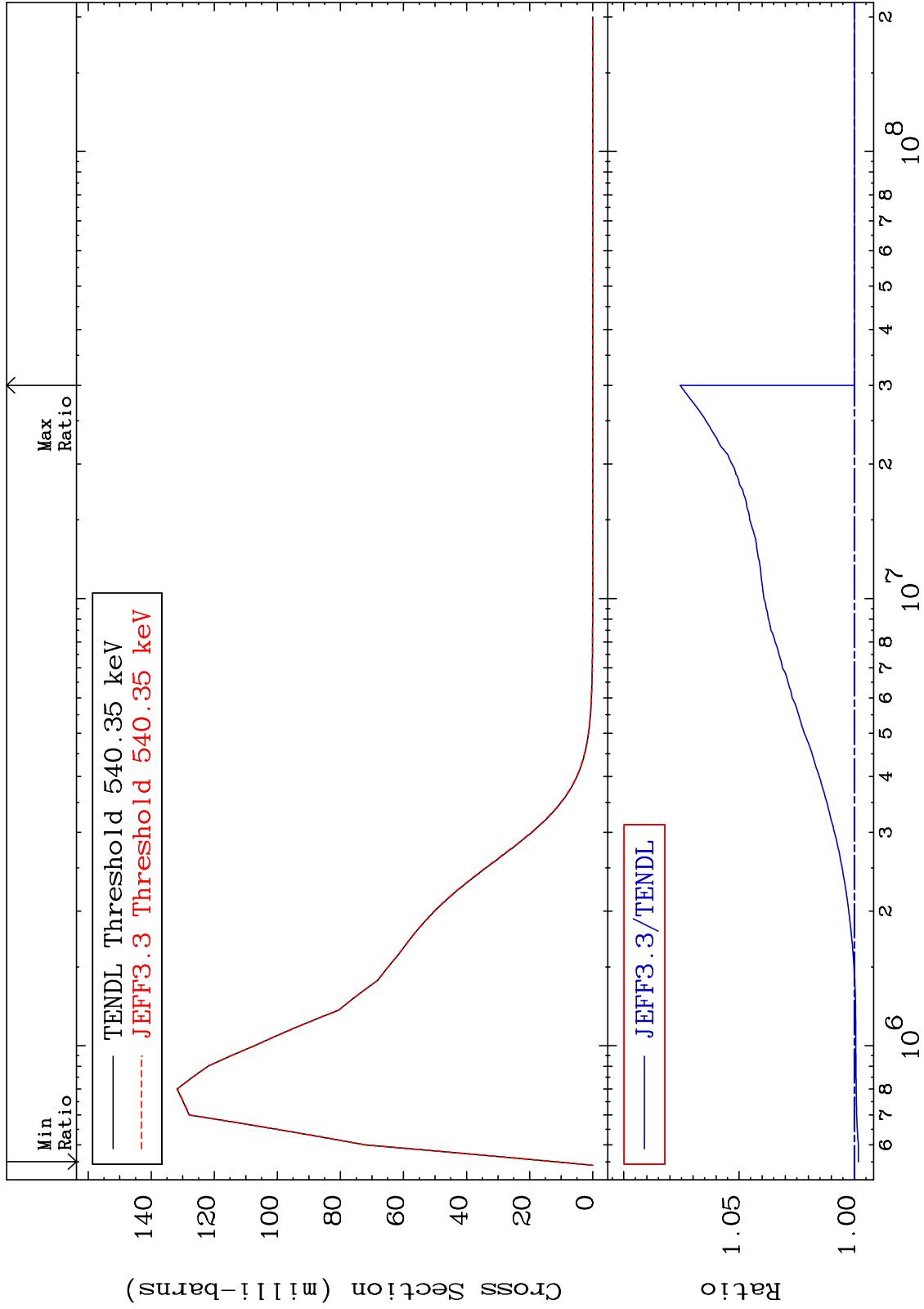
Incident Energy (eV)

44-Ru-101

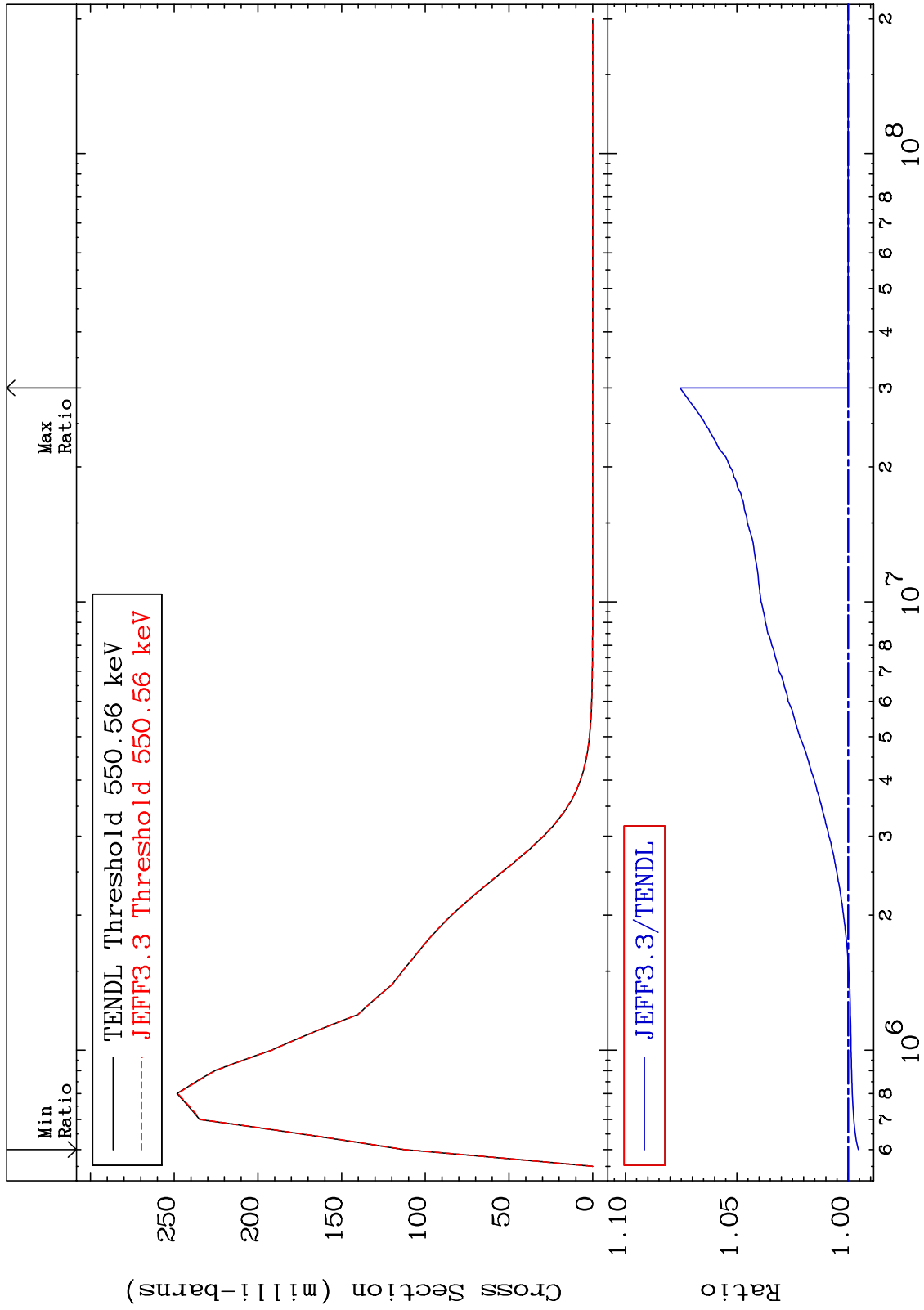
MAT 4440

MT= 57 (n,n') Level
Cross Section

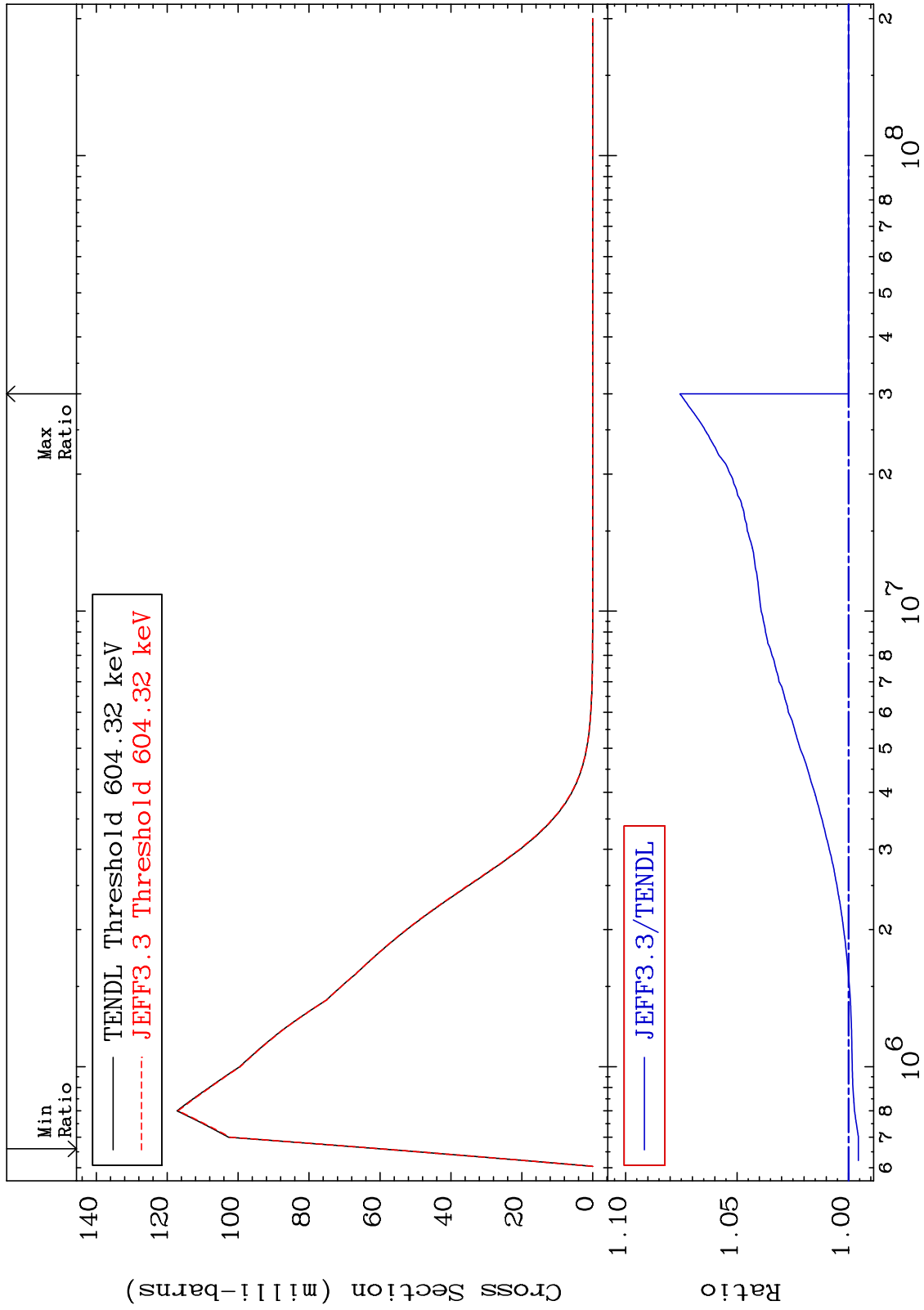
44-Ru-101
-0.170 To 7.562 %



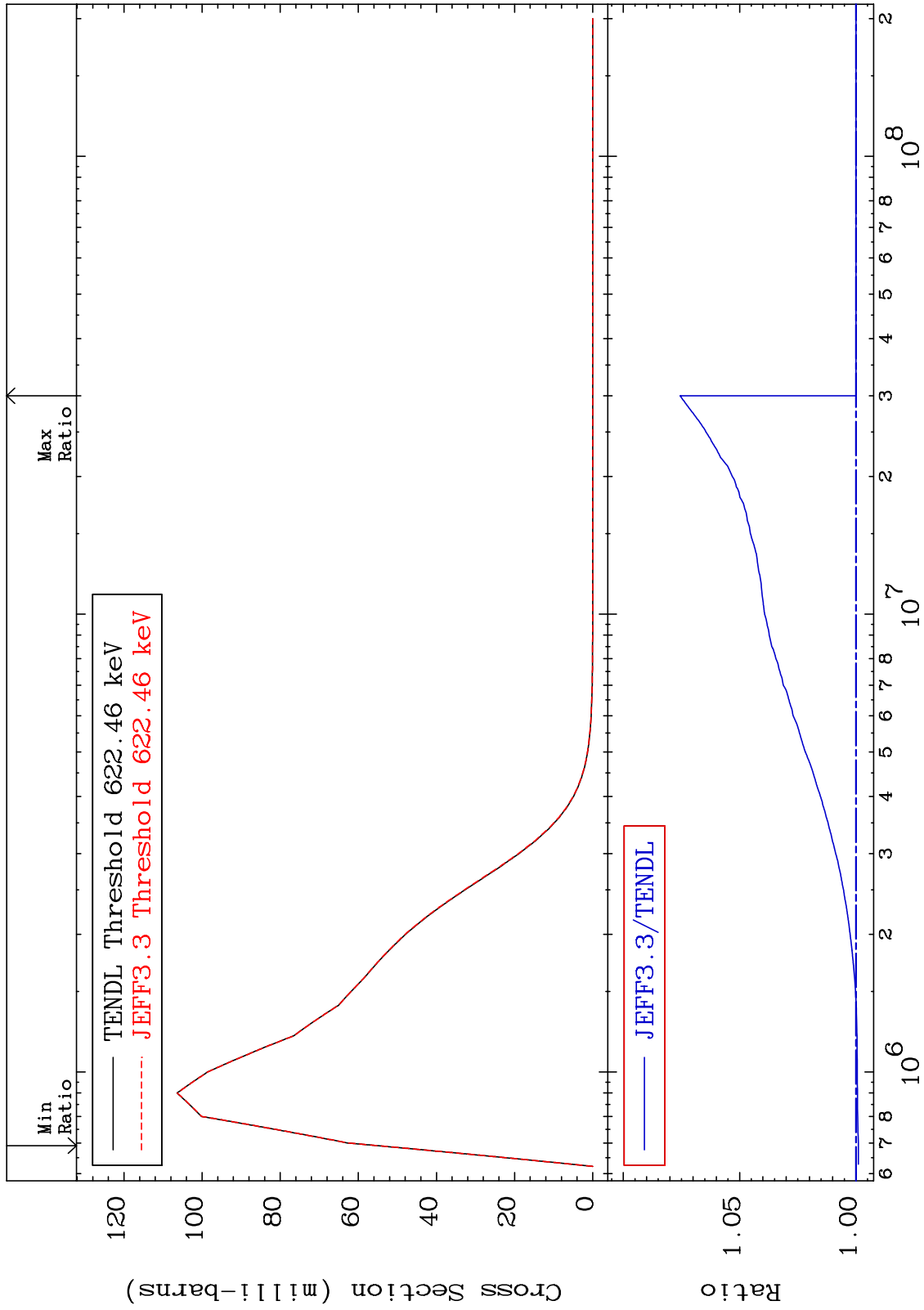
MAT 4440 MT= 58 (n,n') Level Cross Section 44-Ru-101
 -0.458 To 7.553 %



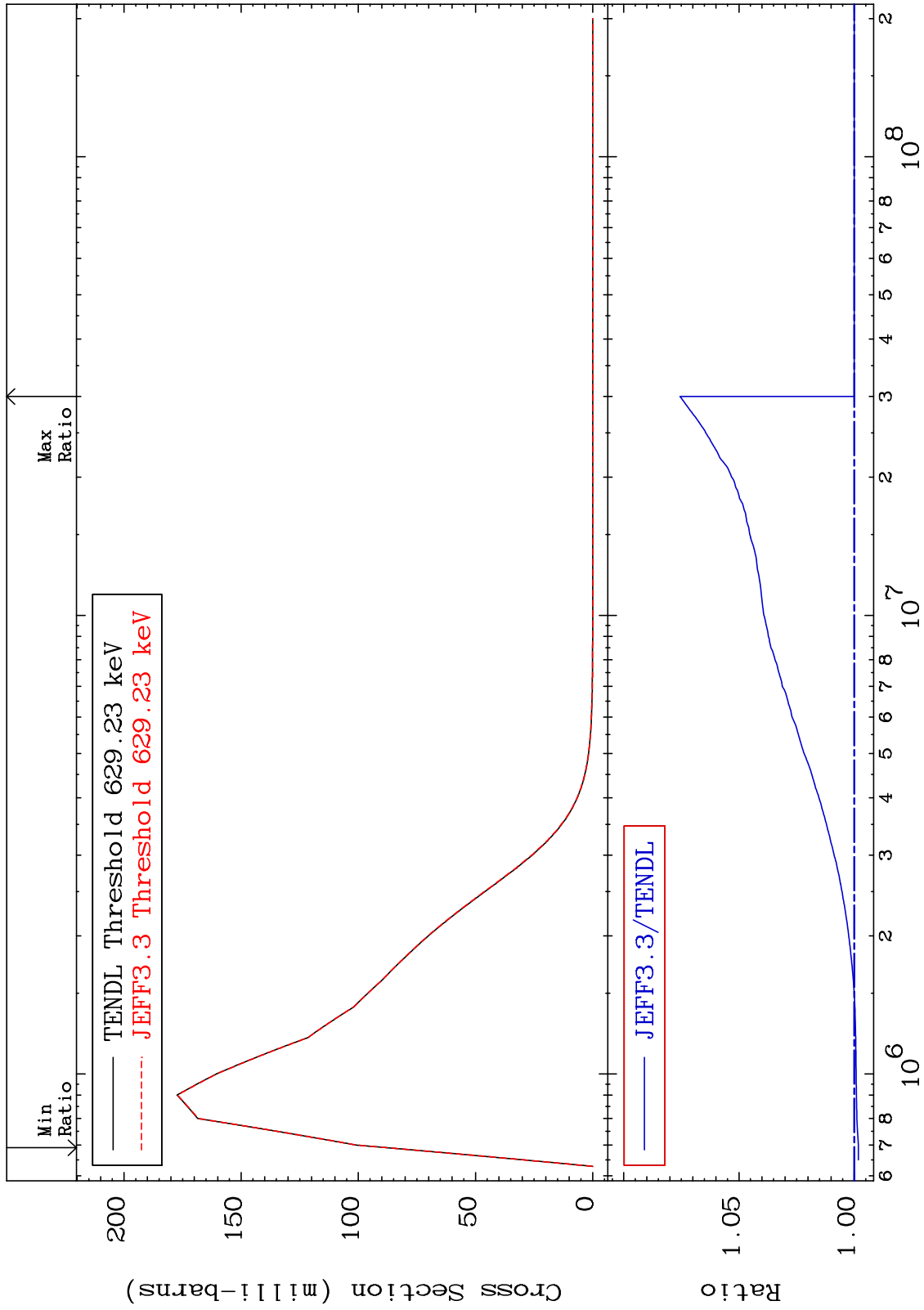
MAT 4440 MT= 59 (n,n') Level Cross Section 44-Ru-101
 -0.441 To 7.559 %



MAT 4440 MT= 60 (n,n') Level 44-Ru-101
 Cross Section -0.106 To 7.562 %

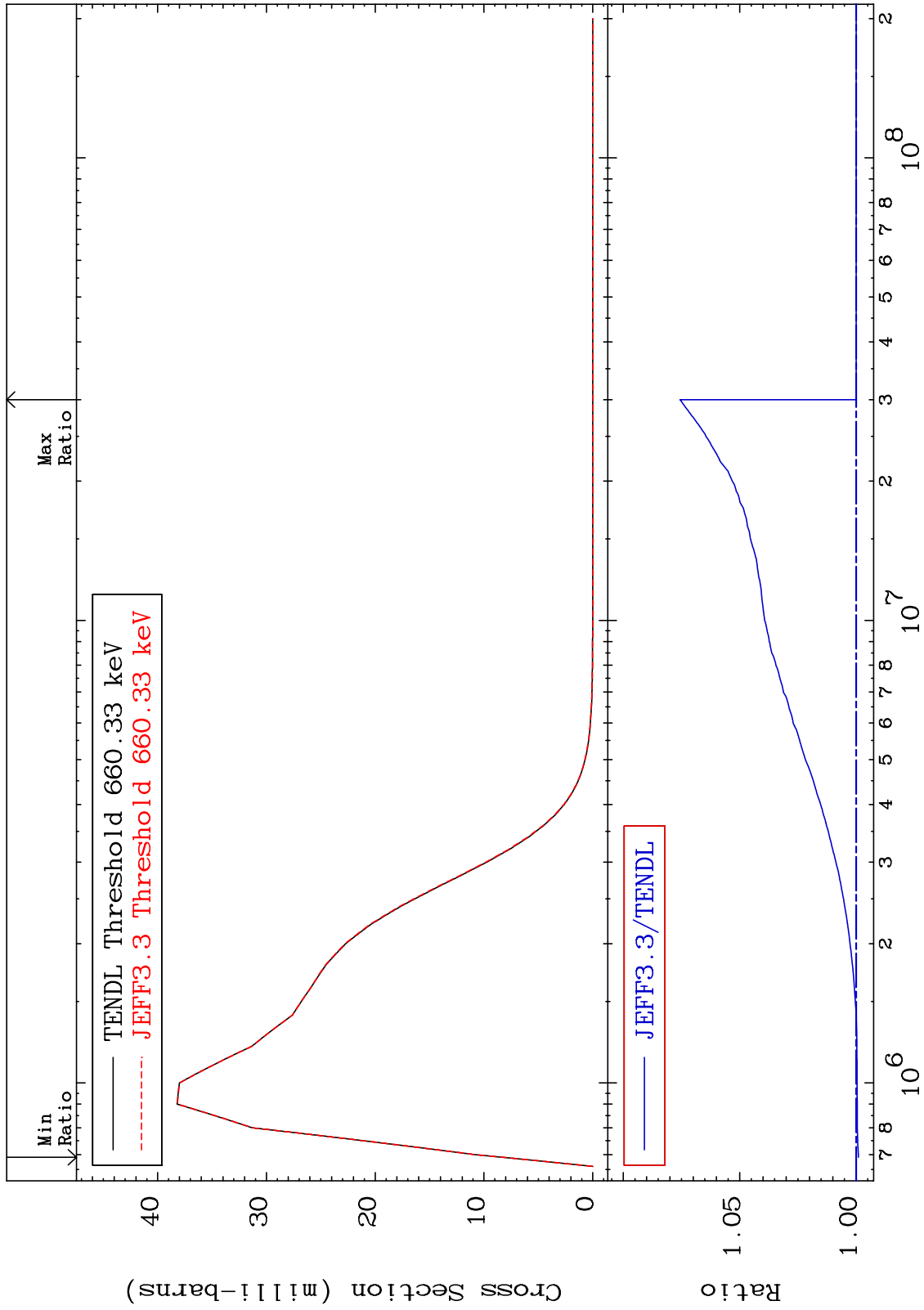


MAT 4440 MT= 61 (n,n') Level 44-Ru-101
 Cross Section -0.184 To 7.558 %



30 Incident Energy (eV) 44-Ru-101

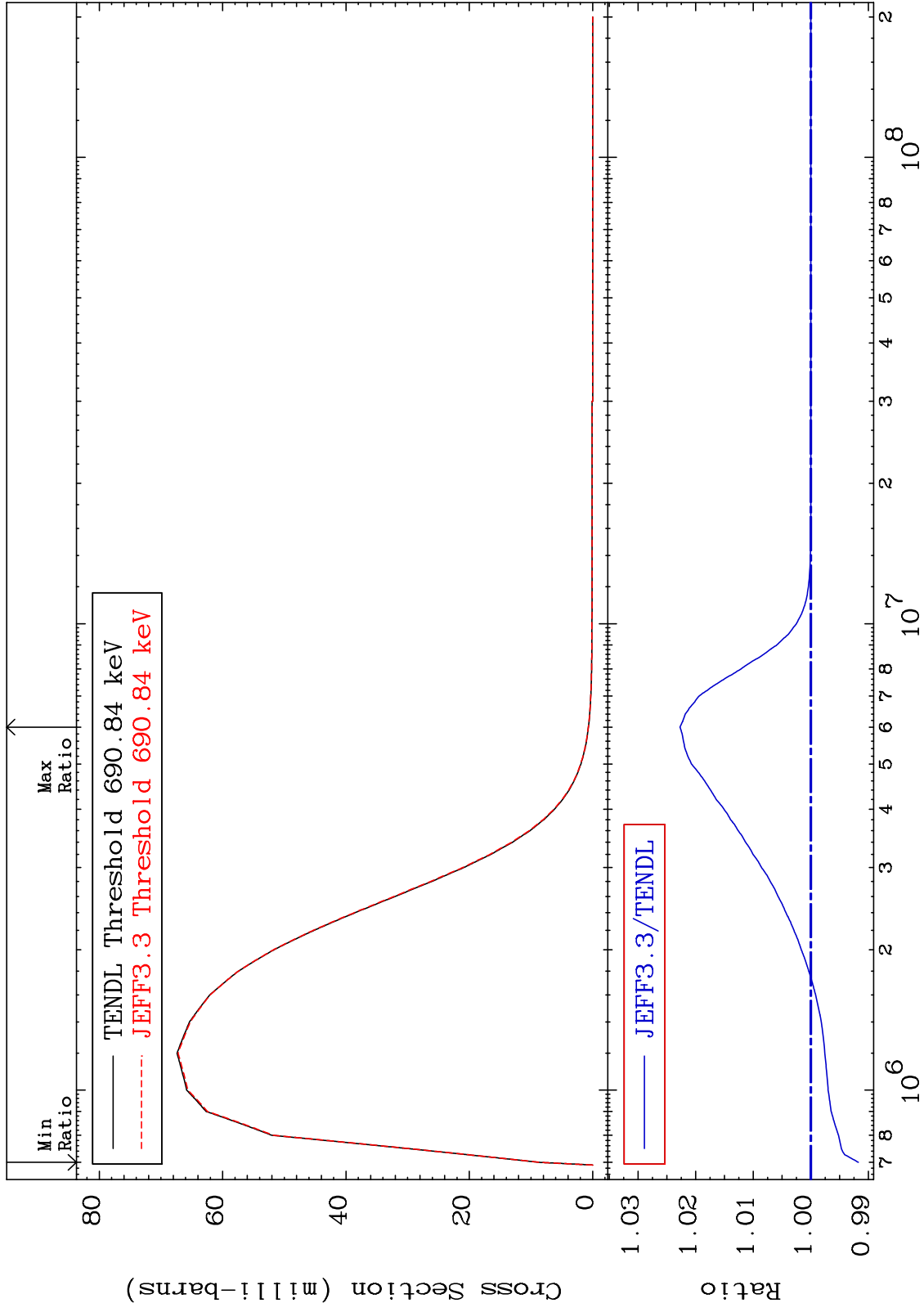
MAT 4440 MT= 62 (n,n') Level Cross Section 44-Ru-101 -0.100 To 7.564 %



MAT 4440

MT= 63 (n,n') Level
Cross Section

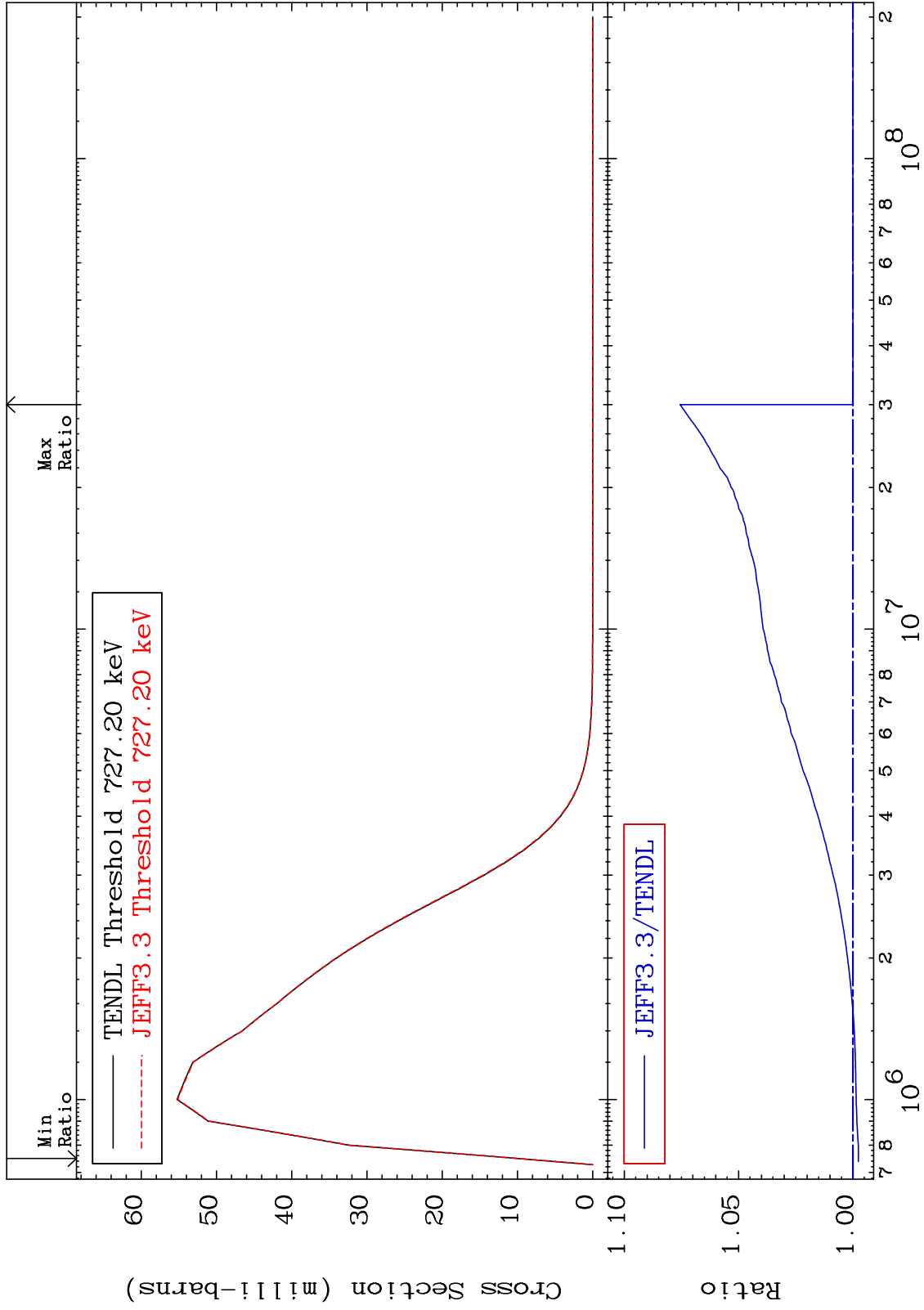
44-Ru-101
-0.826 To 2.271 %



MAT 4440

MT= 64 (n,n') Level
Cross Section

44-Ru-101
-0.241 To 7.562 %



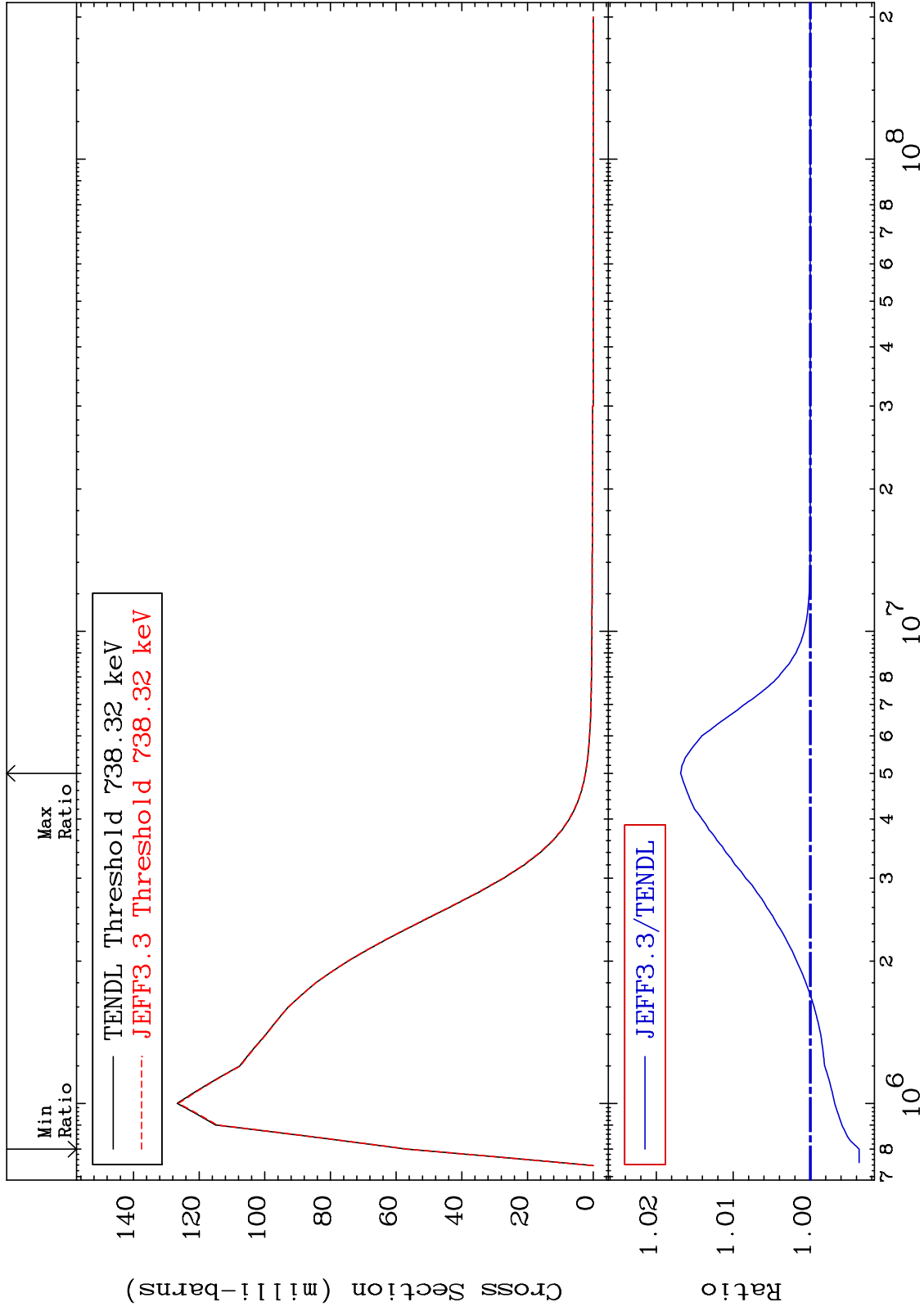
33

44-Ru-101

MAT 4440

MT= 65 (n,n') Level
Cross Section

44-Ru-101
-0.635 To 1.683 %

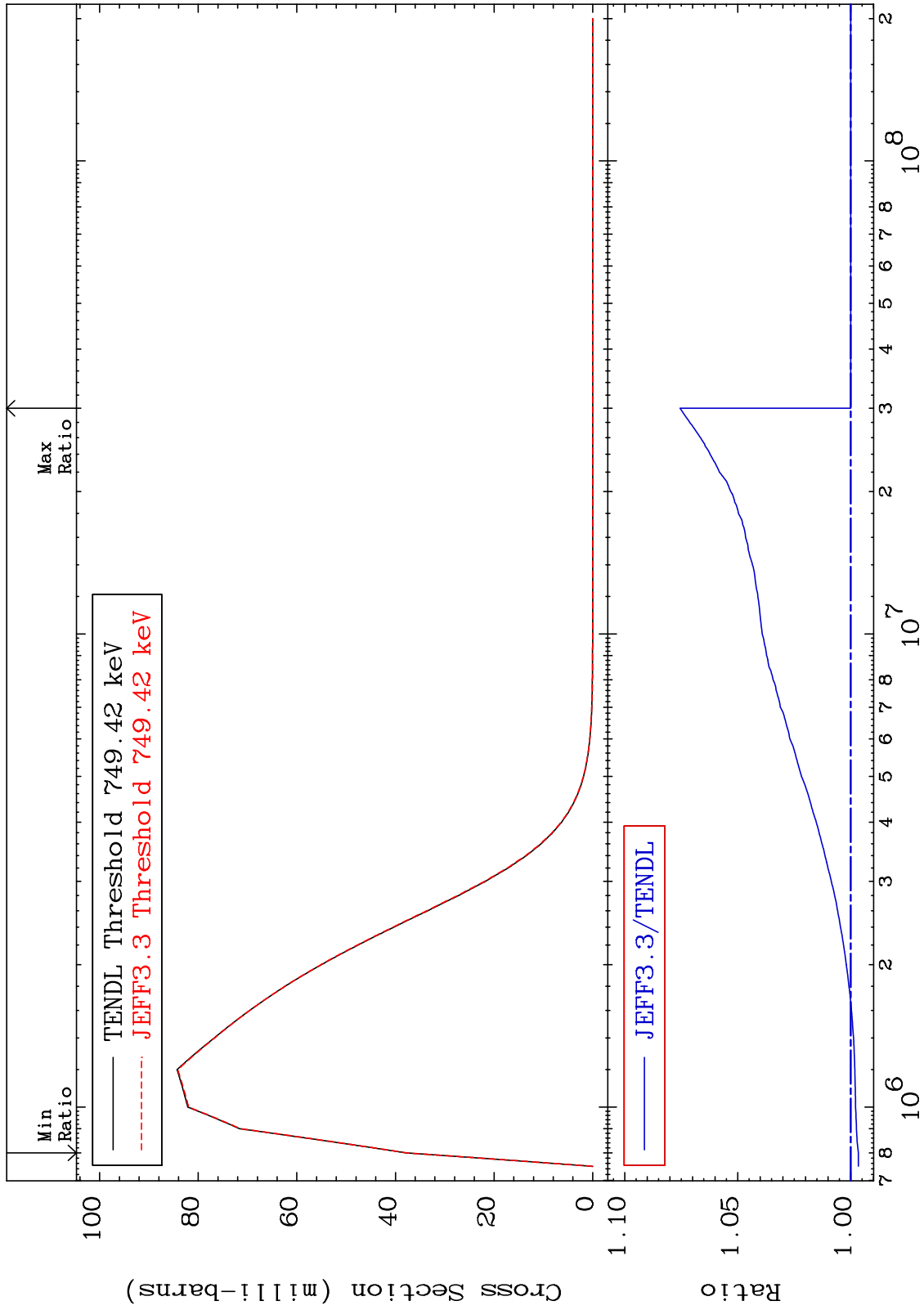


34

Incident Energy (eV)

44-Ru-101

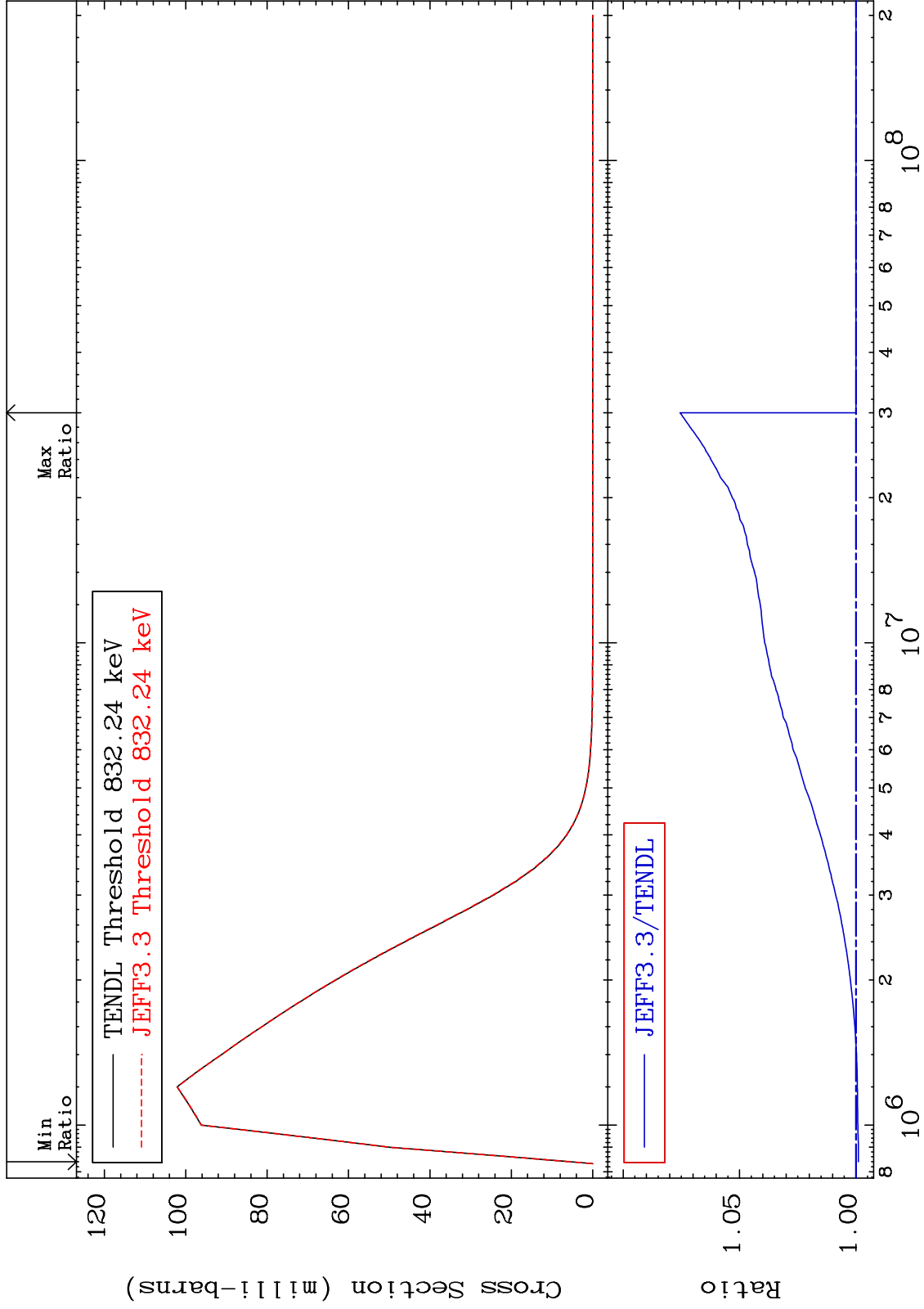
MAT 4440 MT= 66 (n,n') Level Cross Section 44-Ru-101 -0.340 To 7.553 %



MAT 4440

MT= 67 (n,n') Level
Cross Section

44-Ru-101
-0.108 To 7.557 %



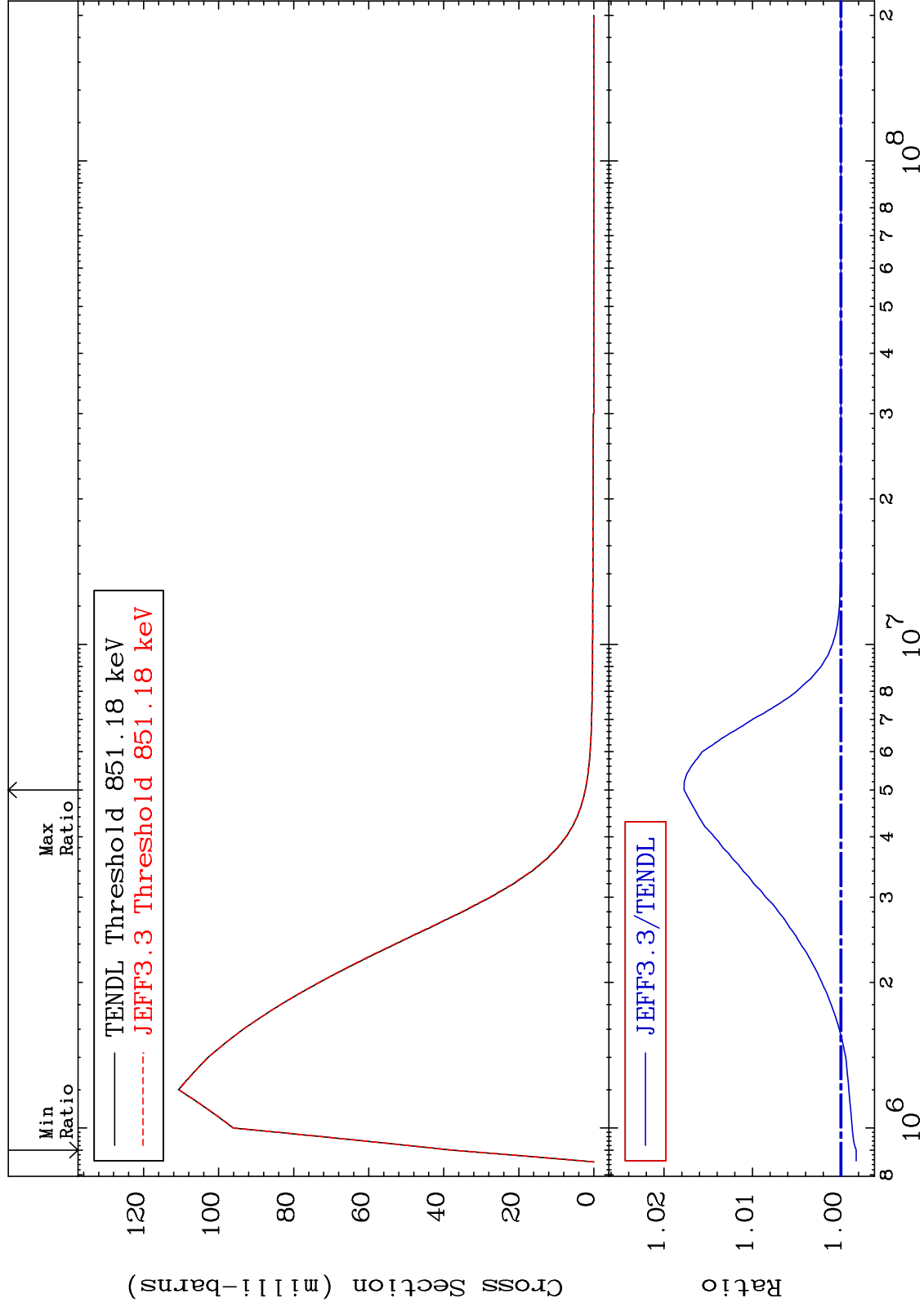
36

44-Ru-101

MAT 4440

MT= 68 (n,n') Level
Cross Section

44-Ru-101
-0.174 To 1.774 %



37

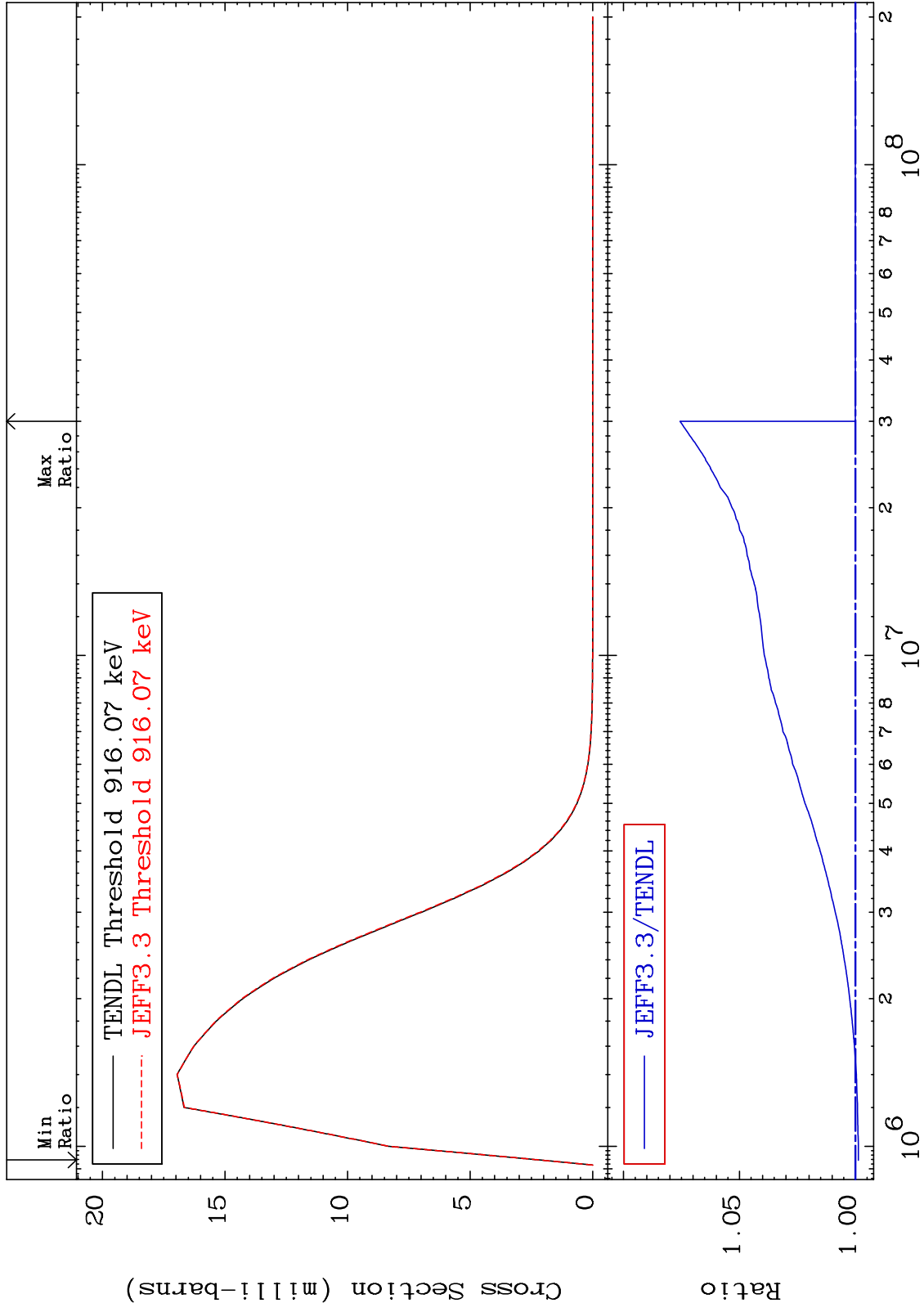
Incident Energy (eV)

44-Ru-101

MAT 4440

MT= 69 (n,n') Level
Cross Section

44-Ru-101
-0.129 To 7.564 %



38

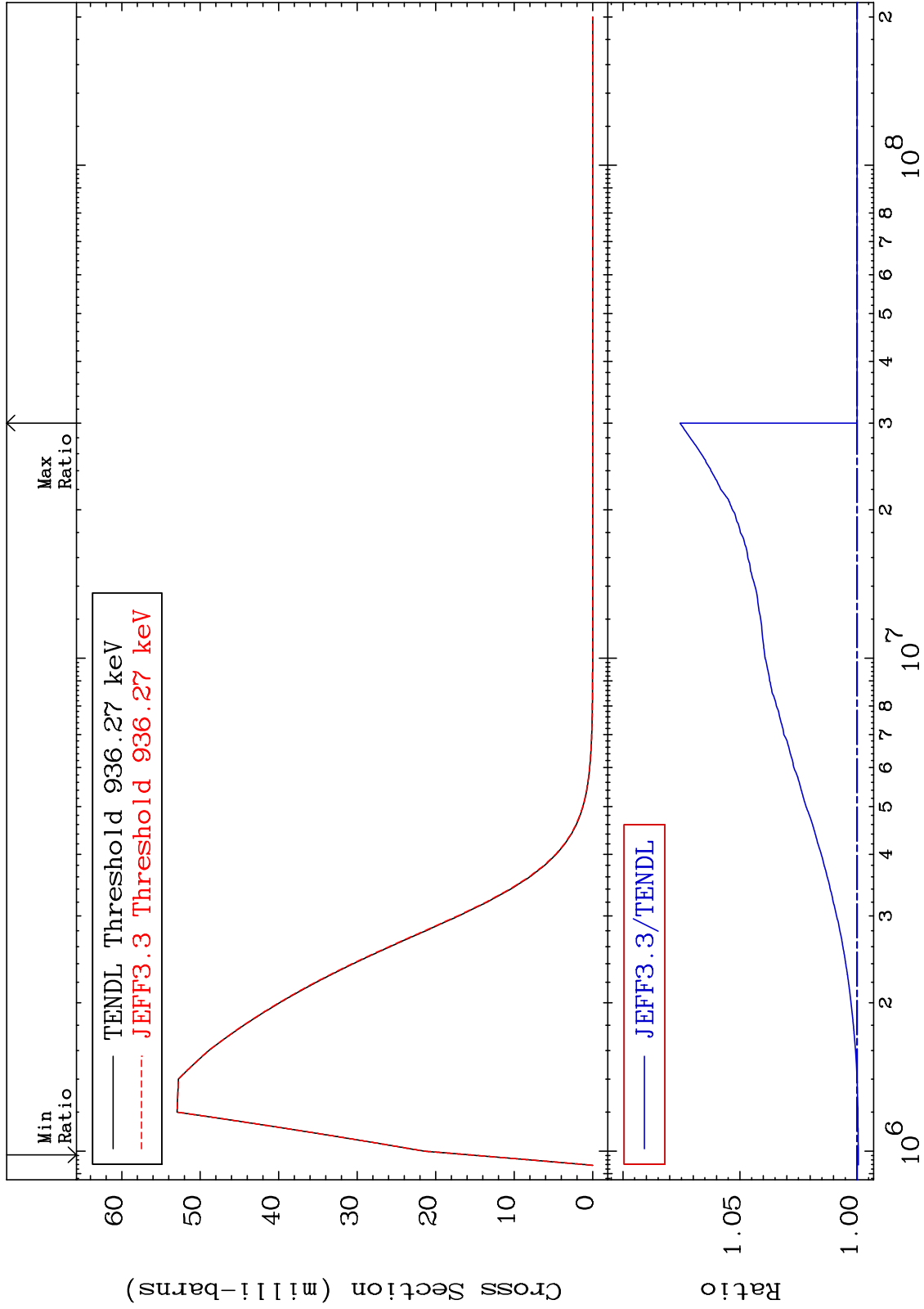
44-Ru-101

44-Ru-101

MAT 4440

MT= 70 (n,n') Level
Cross Section

44-Ru-101
-0.061 To 7.561 %



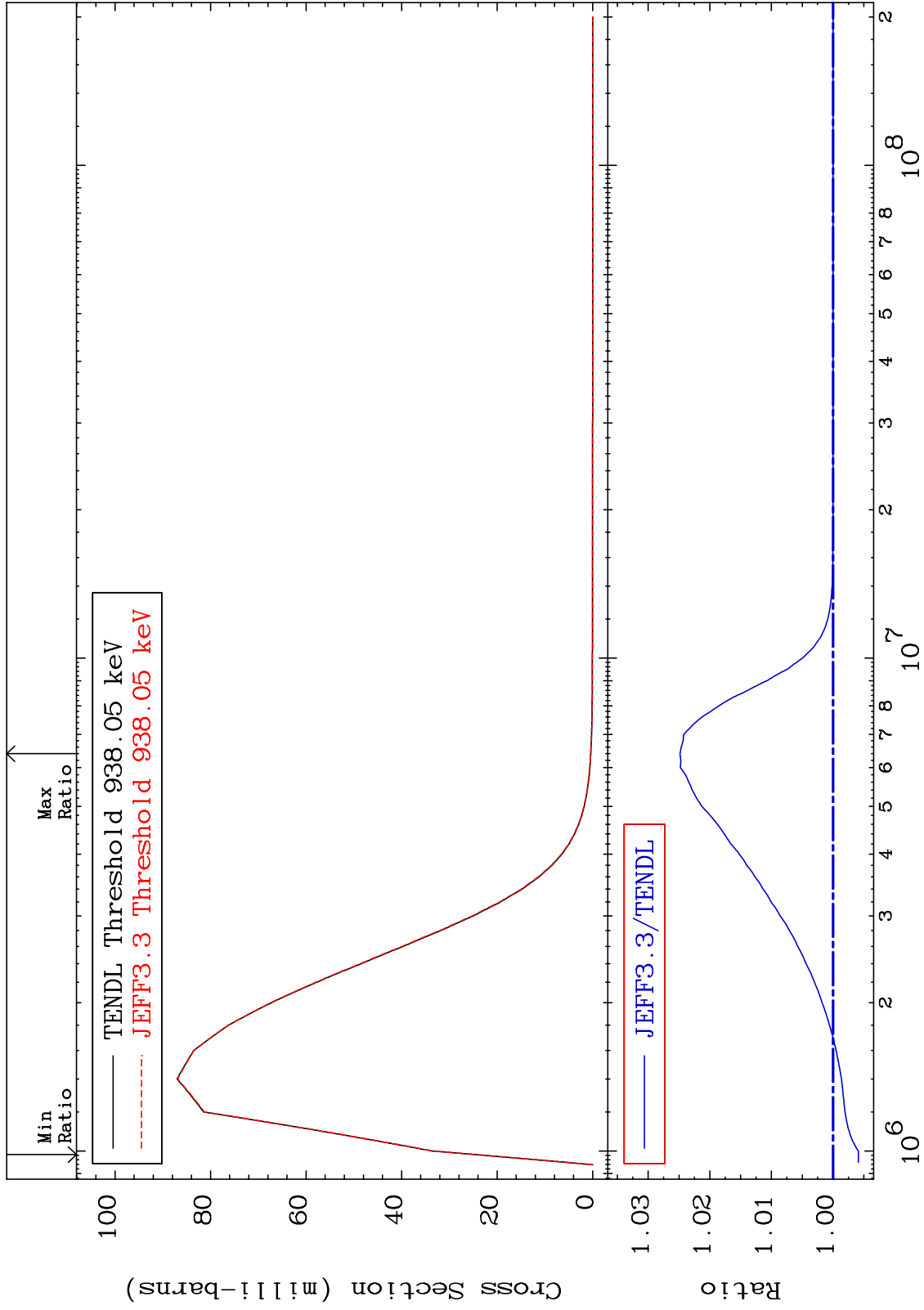
39

44-Ru-101

MAT 4440

MT= 71 (n,n') Level
Cross Section

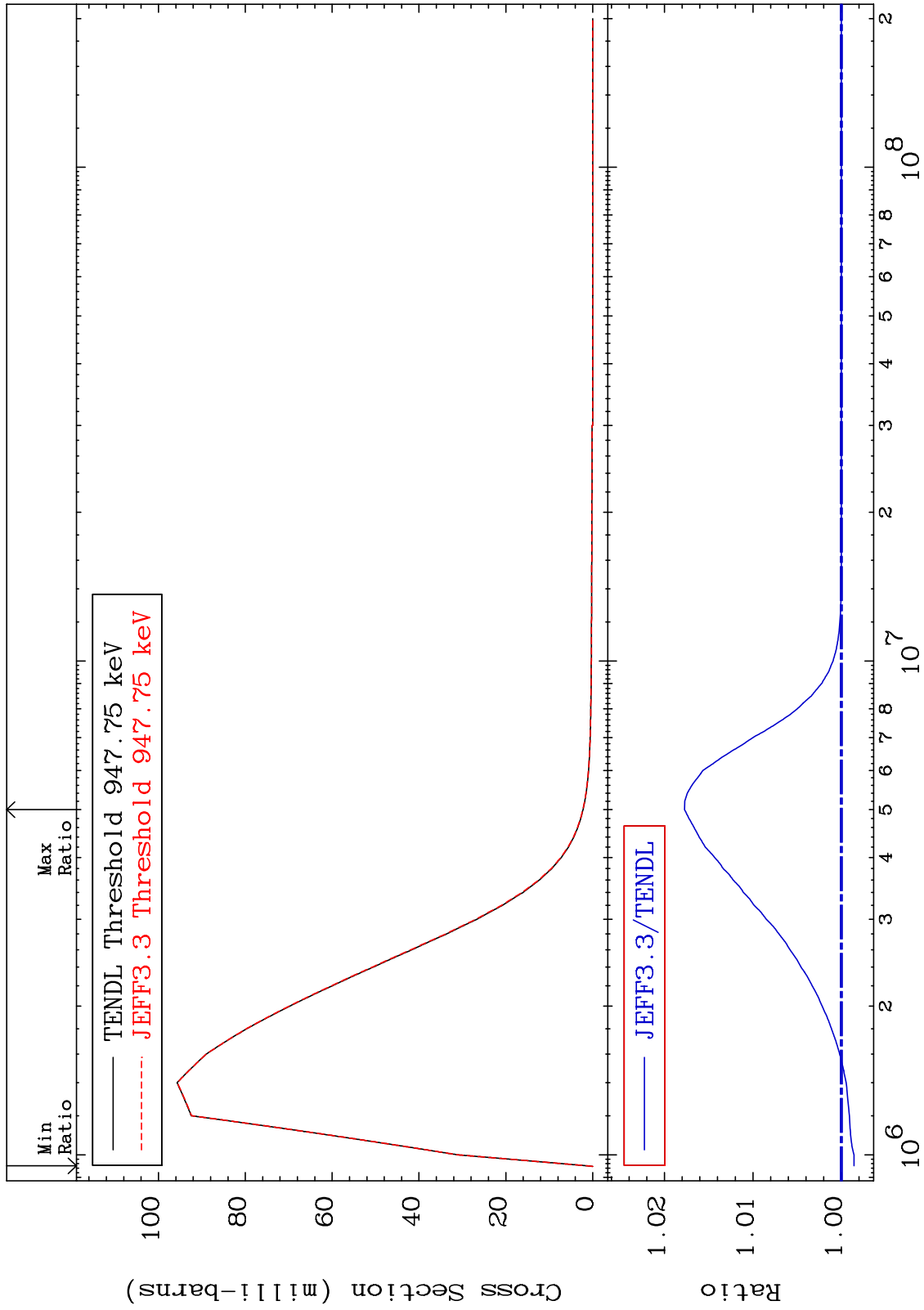
44-Ru-101
-0.411 To 2.484 %



Incident Energy (eV)

44-Ru-101

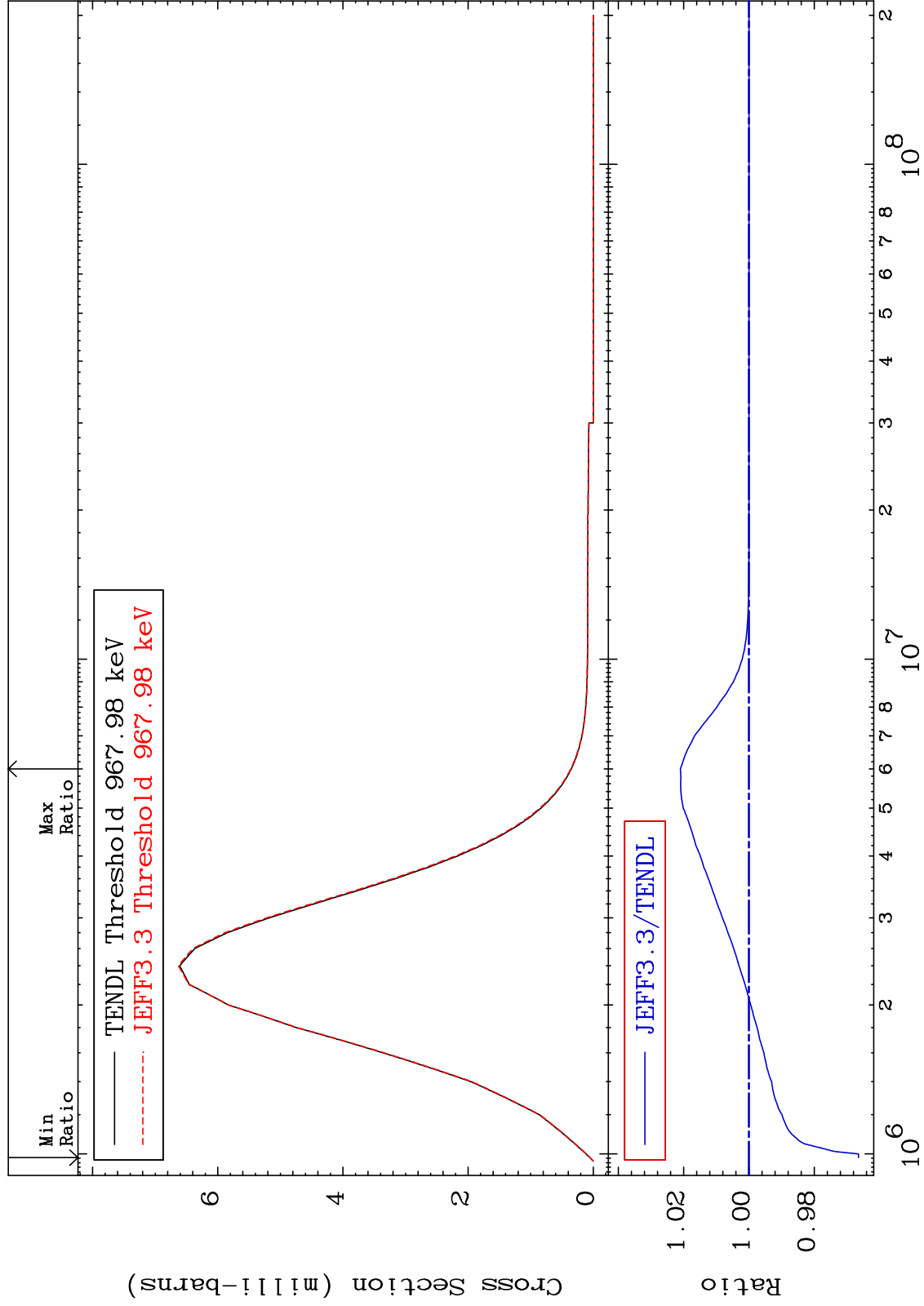
MAT 4440 MT= 72 (n,n') Level Cross Section 44-Ru-101
-0.141 To 1.773 %



MAT 4440

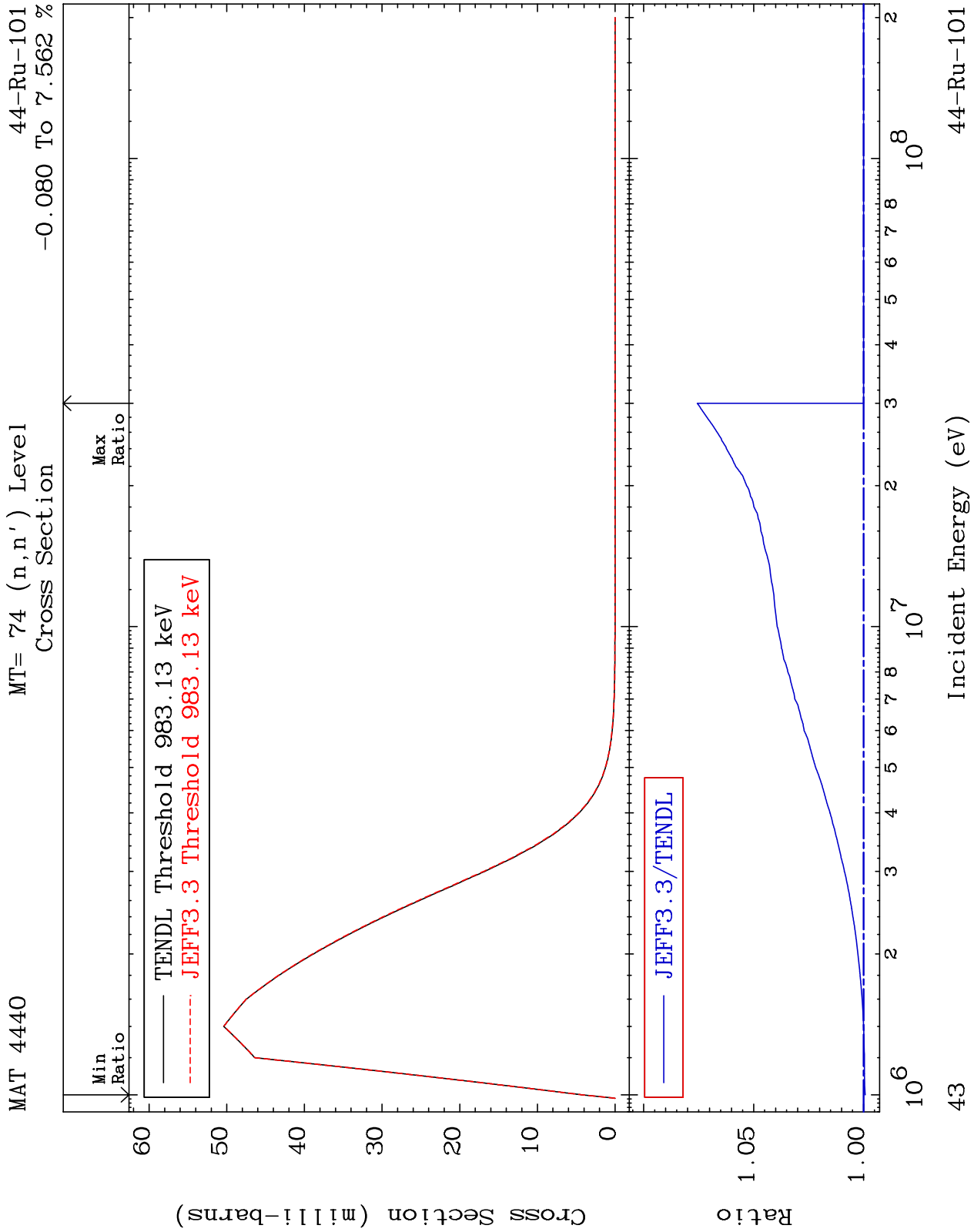
MT= 73 (n,n') Level
Cross Section

44-Ru-101
-3.358 To 2.098 %

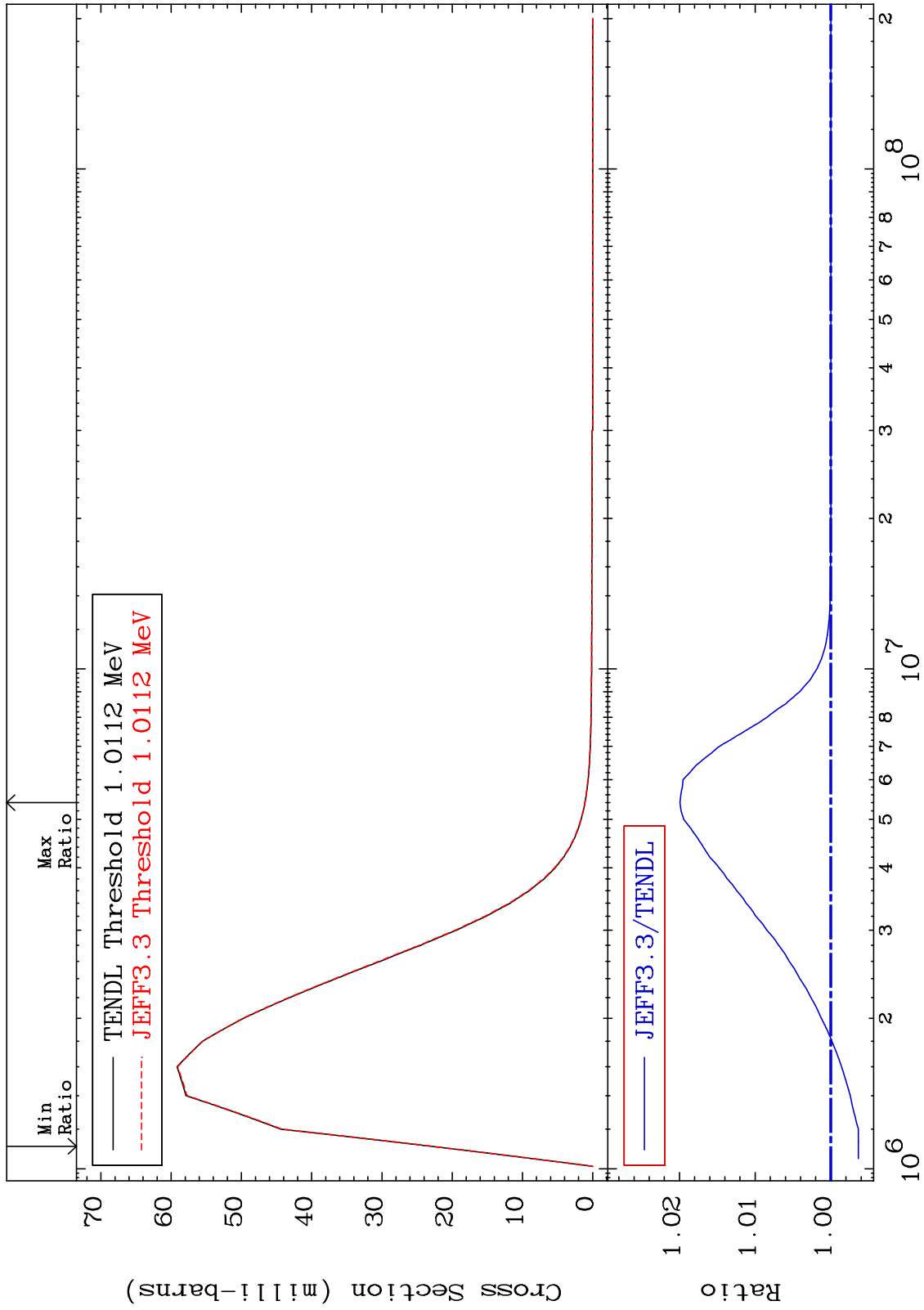


42

44-Ru-101



MAT 4440 MT= 75 (n,n') Level Cross Section 44-Ru-101
-0.364 To 1.993 %

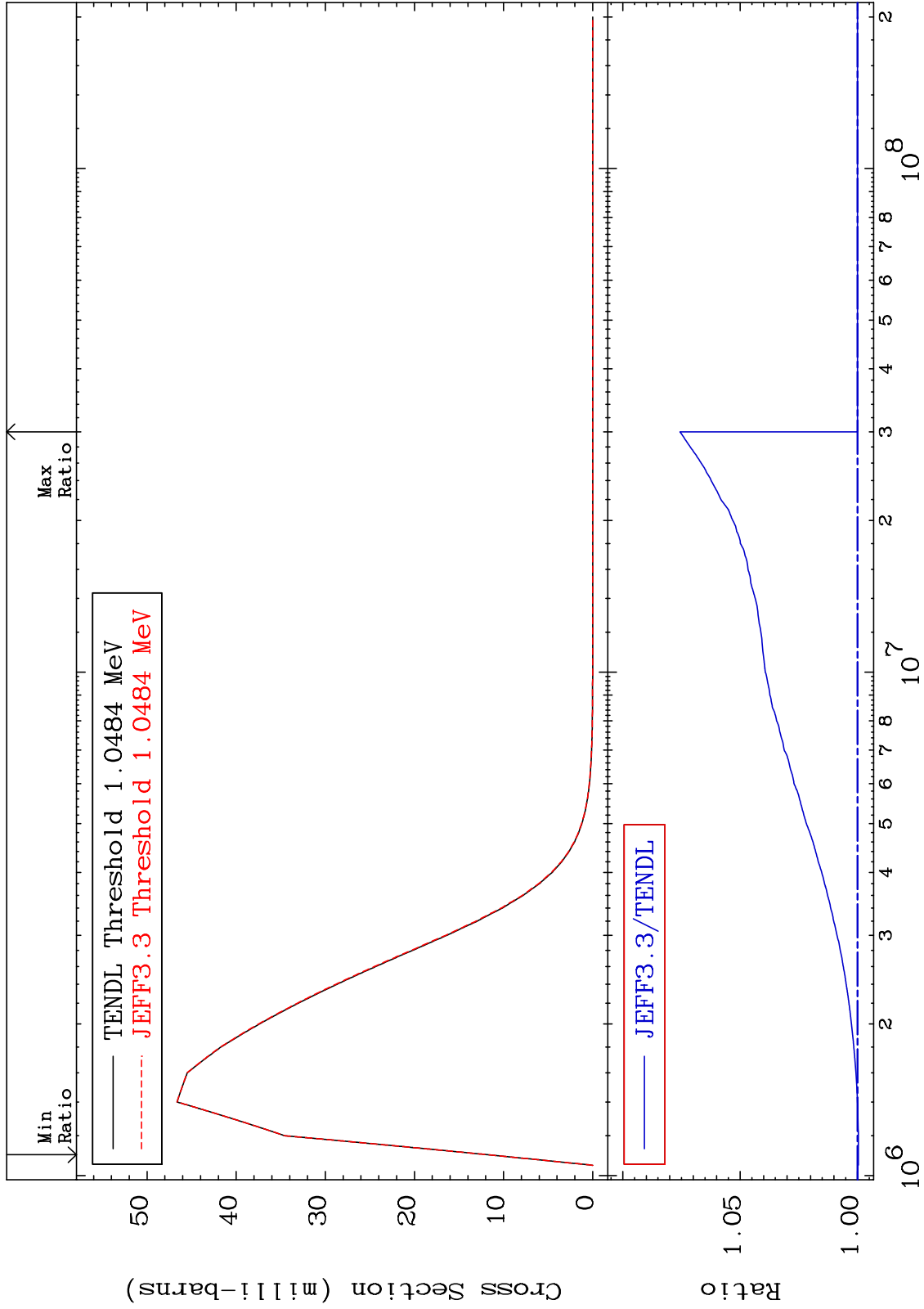


44 44-Ru-101

MAT 4440

MT= 76 (n,n') Level
Cross Section

44-Ru-101
-0.041 To 7.562 %



45

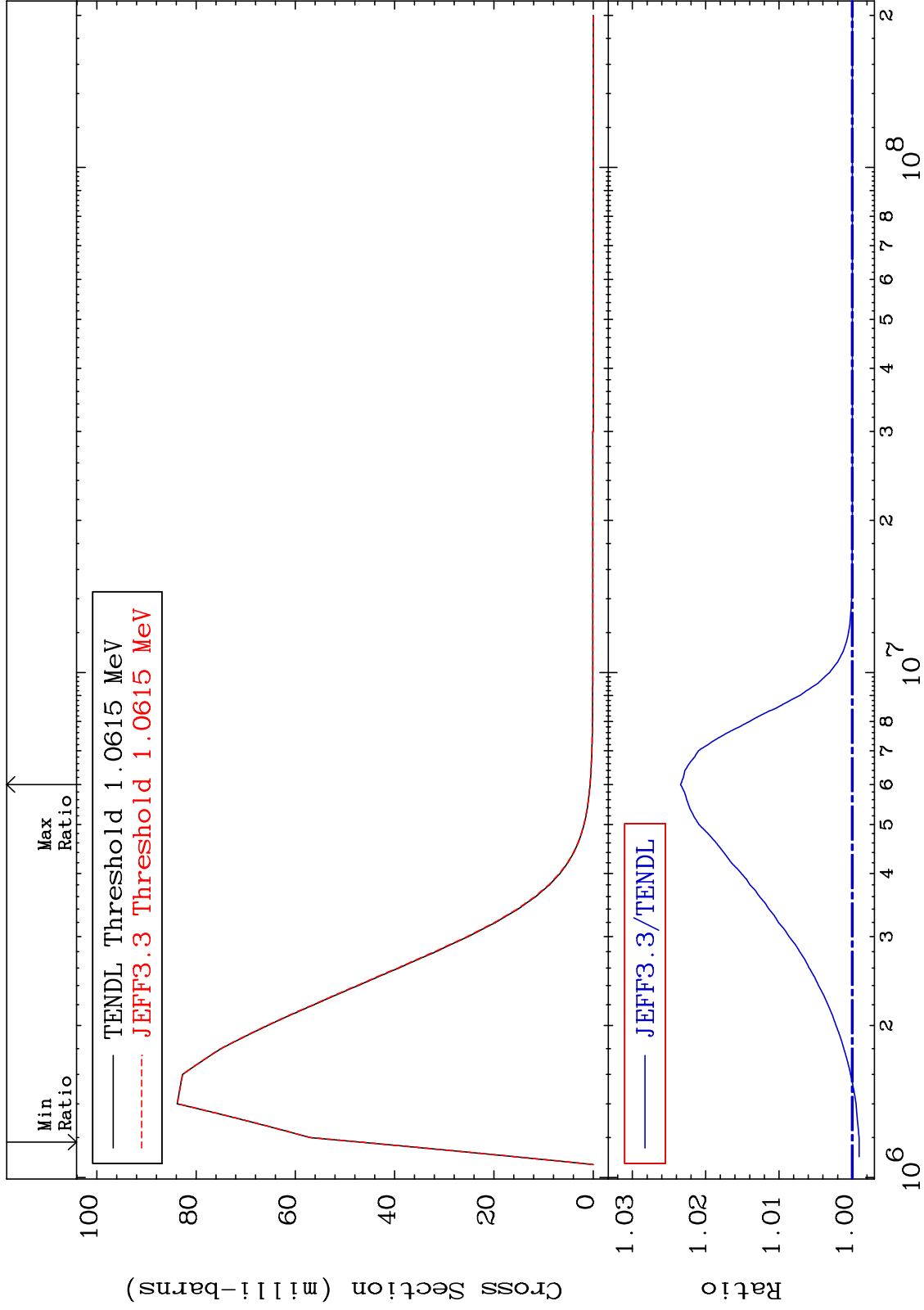
Incident Energy (eV)

44-Ru-101

MAT 4440

MT= 77 (n,n') Level
Cross Section

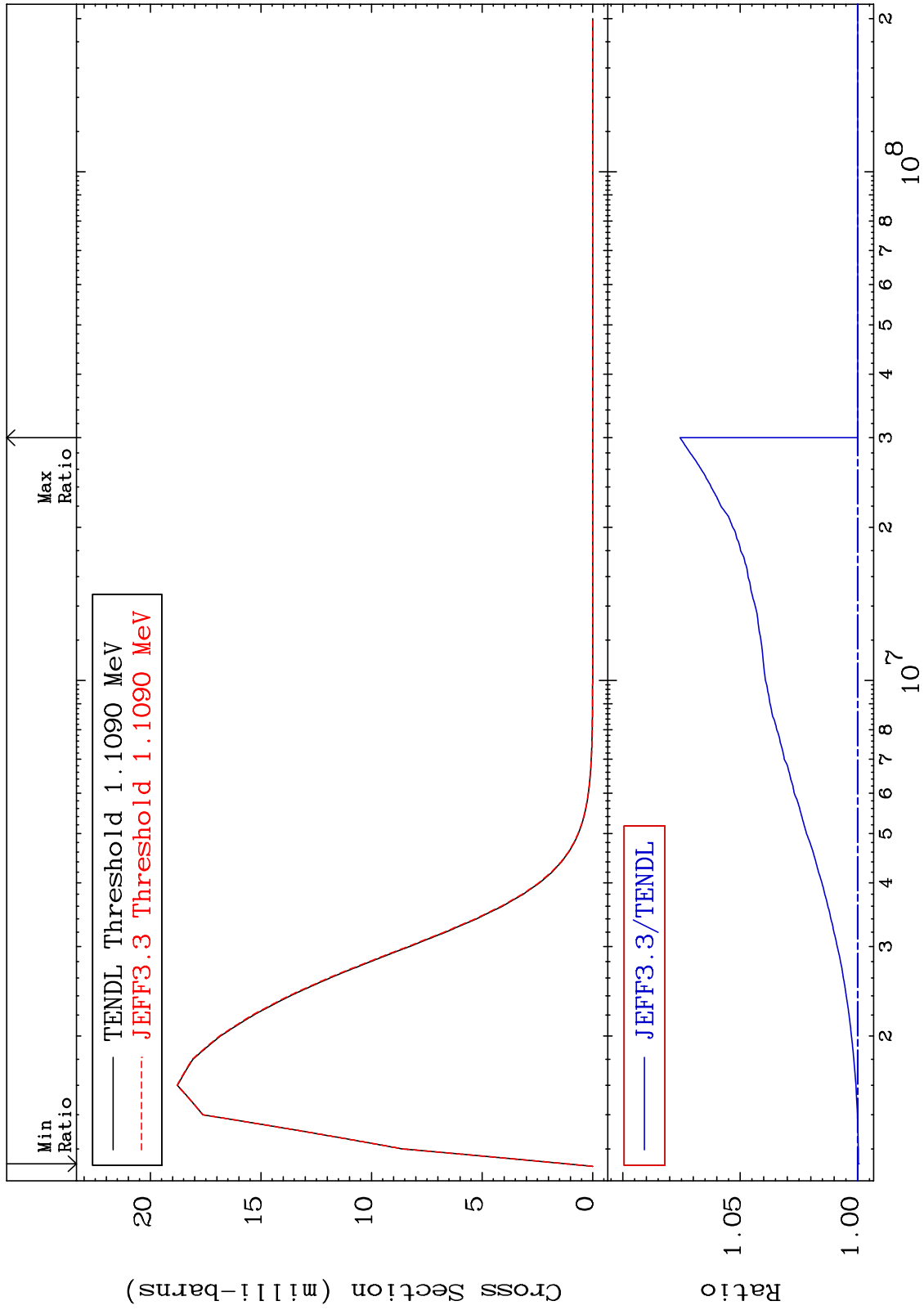
44-Ru-101
-0.094 To 2.342 %



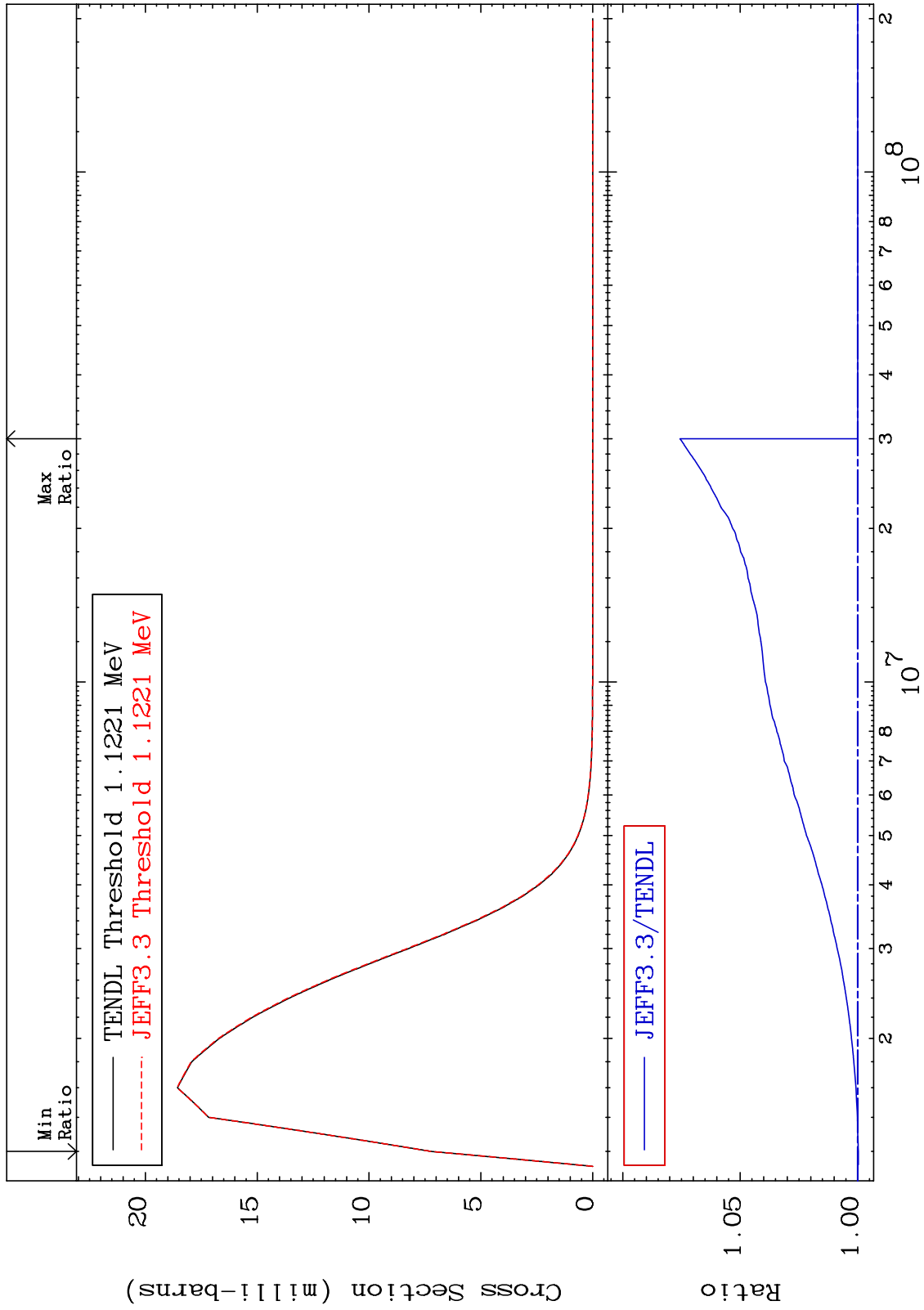
44-Ru-101

46

MAT 4440 MT= 78 (n,n') Level Cross Section 44-Ru-101
 -0.031 To 7.565 %



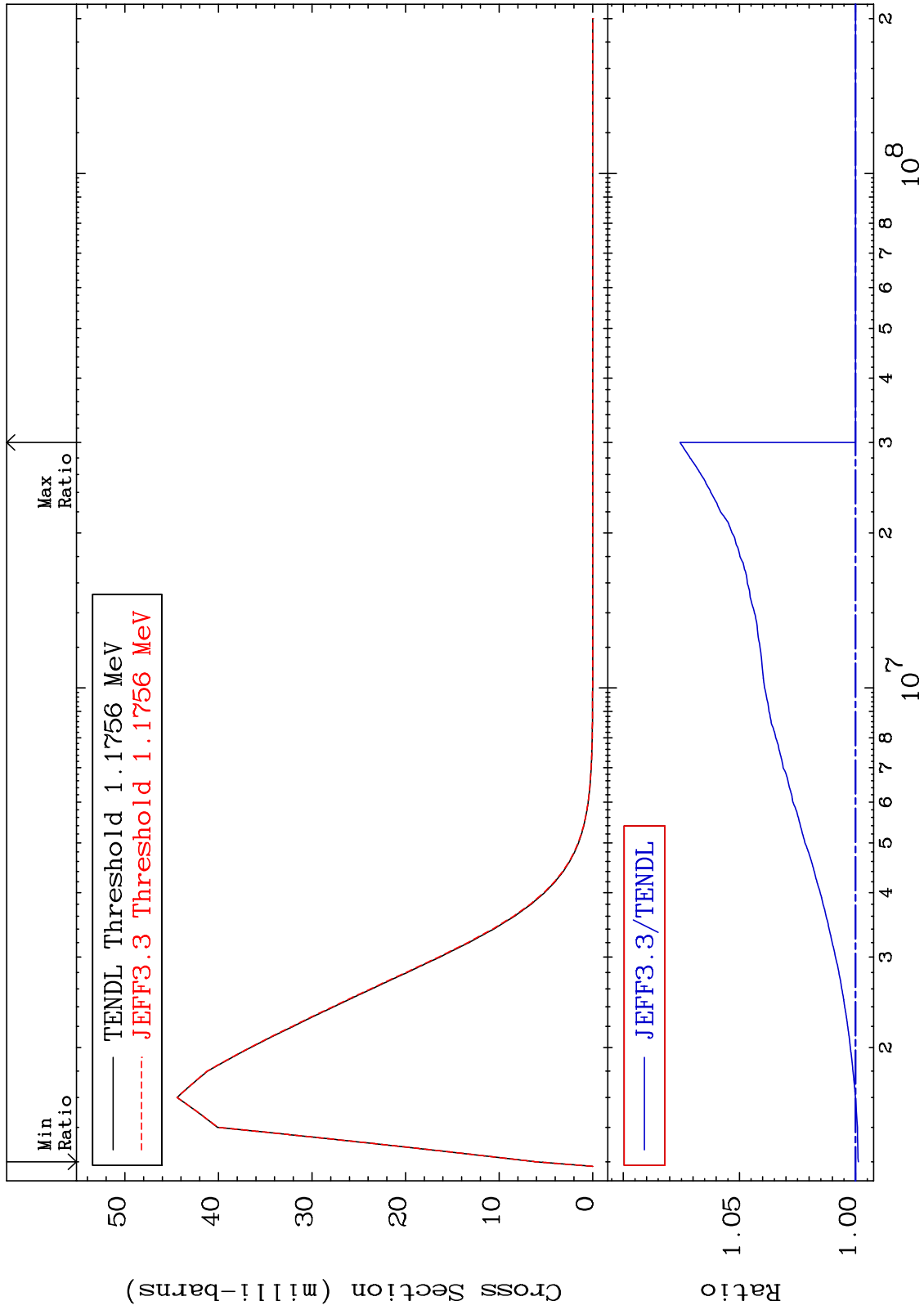
MAT 4440 MT= 79 (n,n') Level
 Cross Section 44-Ru-101
 -0.030 To 7.565 %



44-Ru-101

48

MAT 4440 MT= 80 (n,n') Level Cross Section 44-Ru-101
 -0.121 To 7.559 %



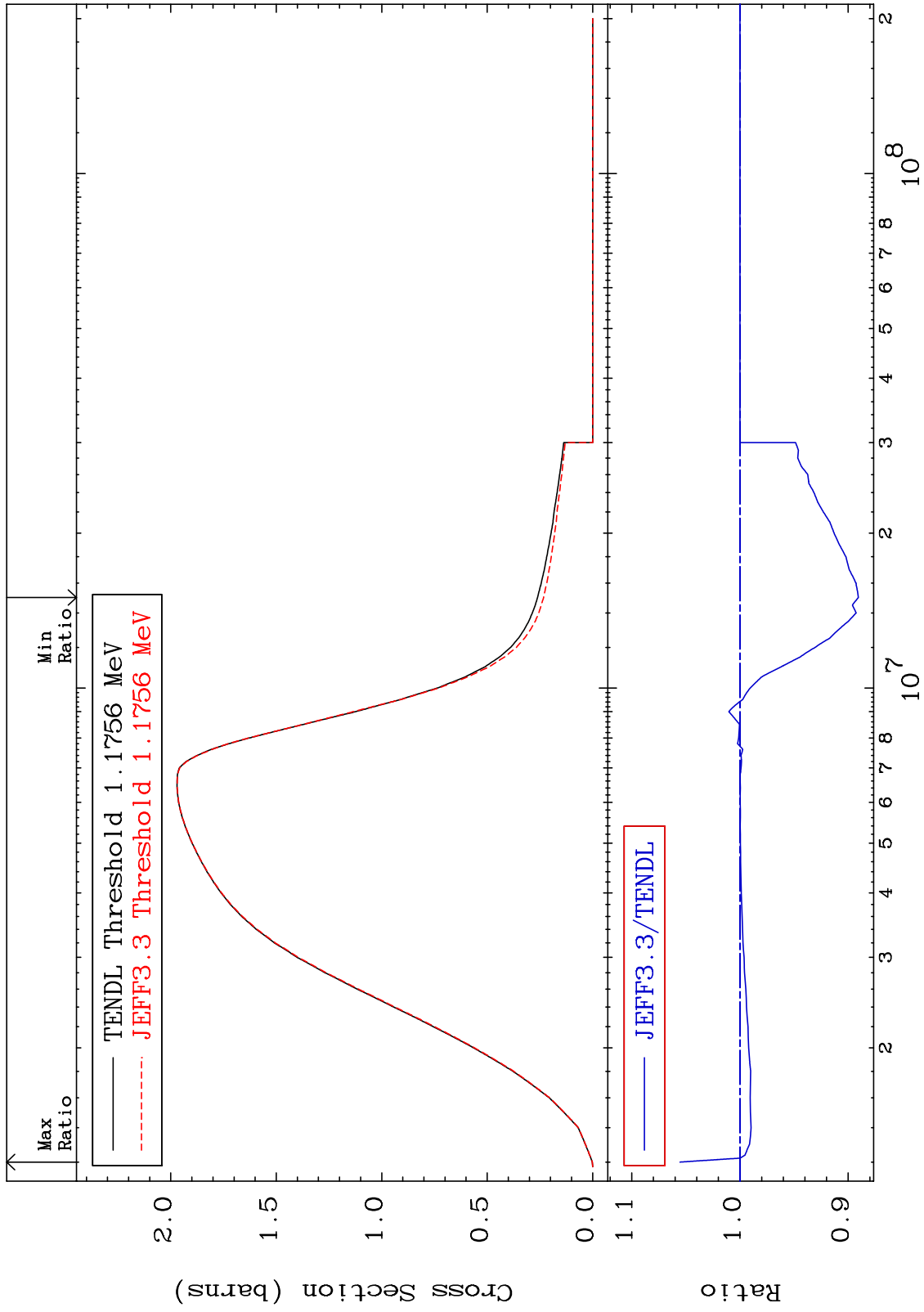
44-Ru-101

49

MAT 4440

(n, n') Continuum
Cross Section

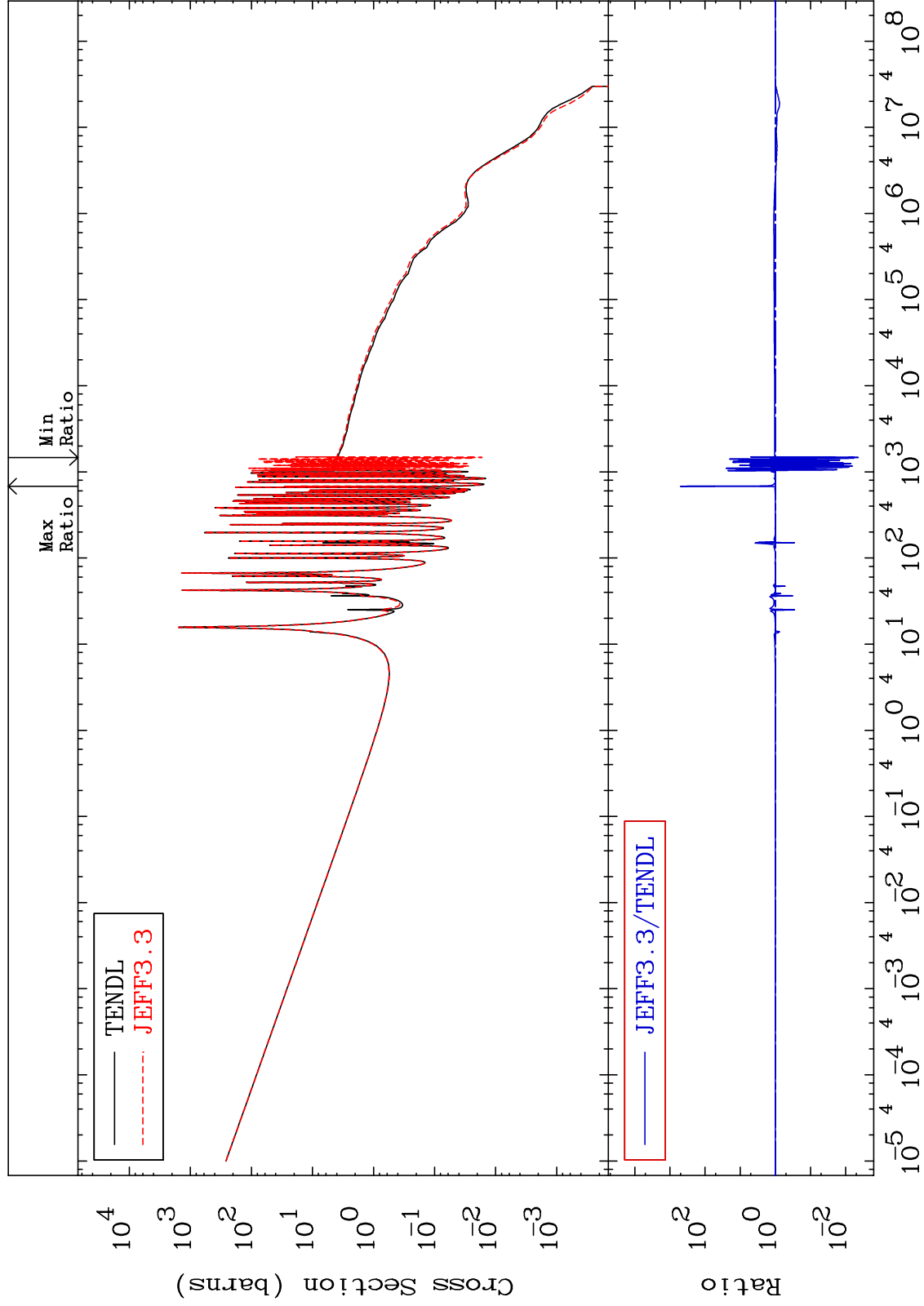
44-Ru-101
-10.94 To 5.543 %



MAT 4440

(n, γ)
Cross Section

44-Ru-101
-99.57 To 9999. %



51

Incident Energy (eV)

44-Ru-101

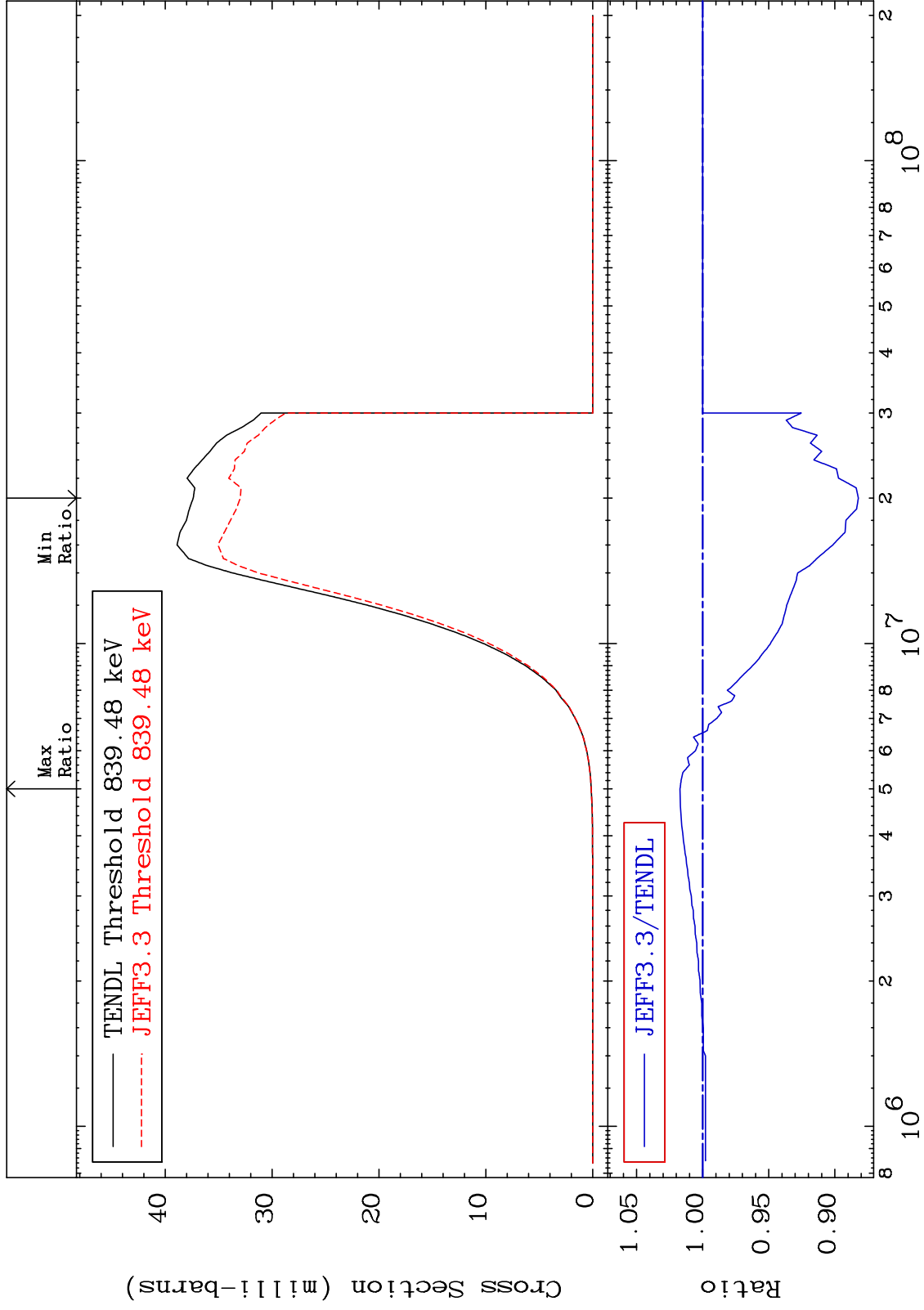
MAT 4440

(n, p)

44-Ru-101

-11.78 To 1.717 %

Cross Section



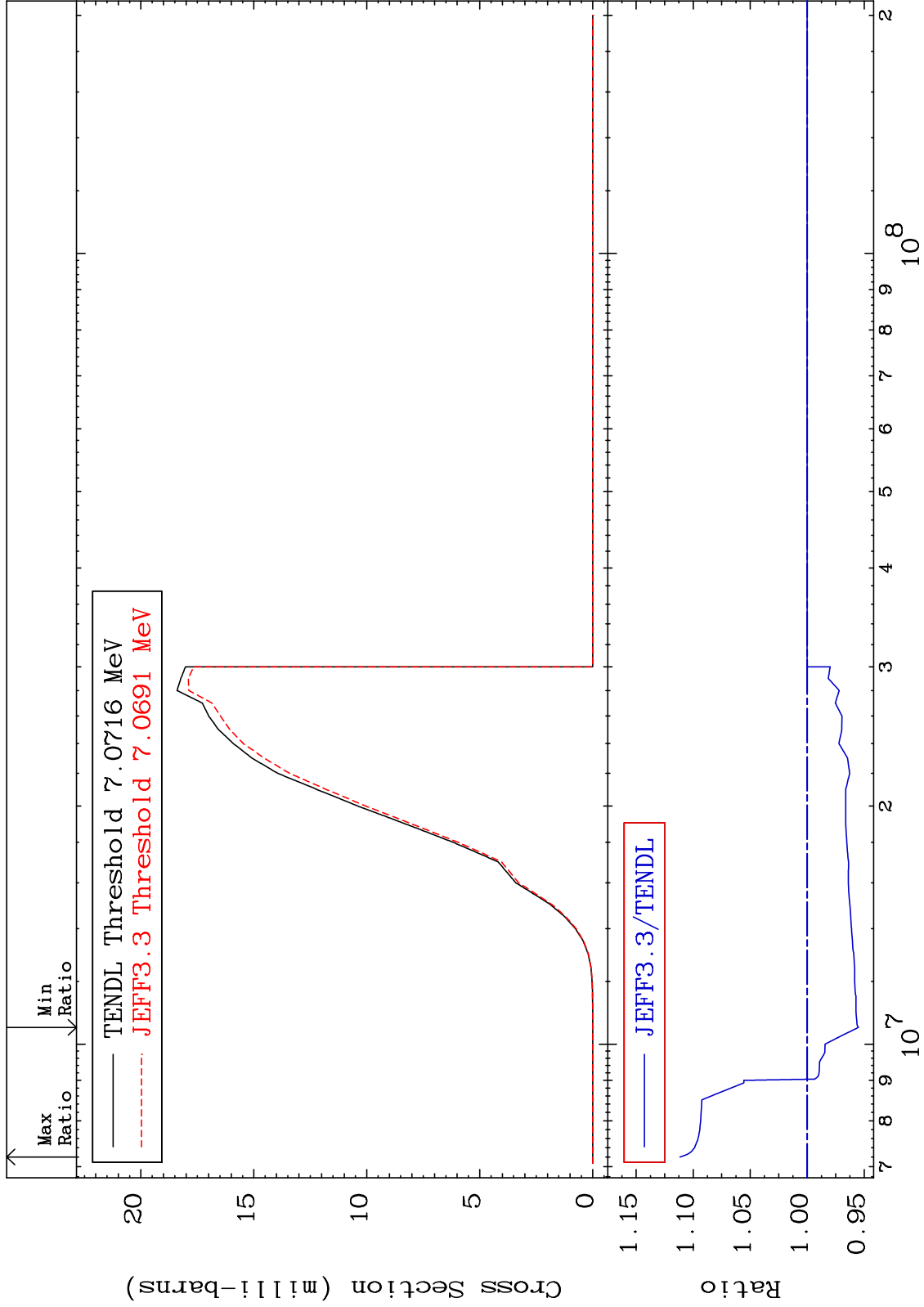
MAT 4440

(n, d)

44-Ru-101

Cross Section

-4.495 To 11.16 %



44-Ru-101

Incident Energy (eV)

53

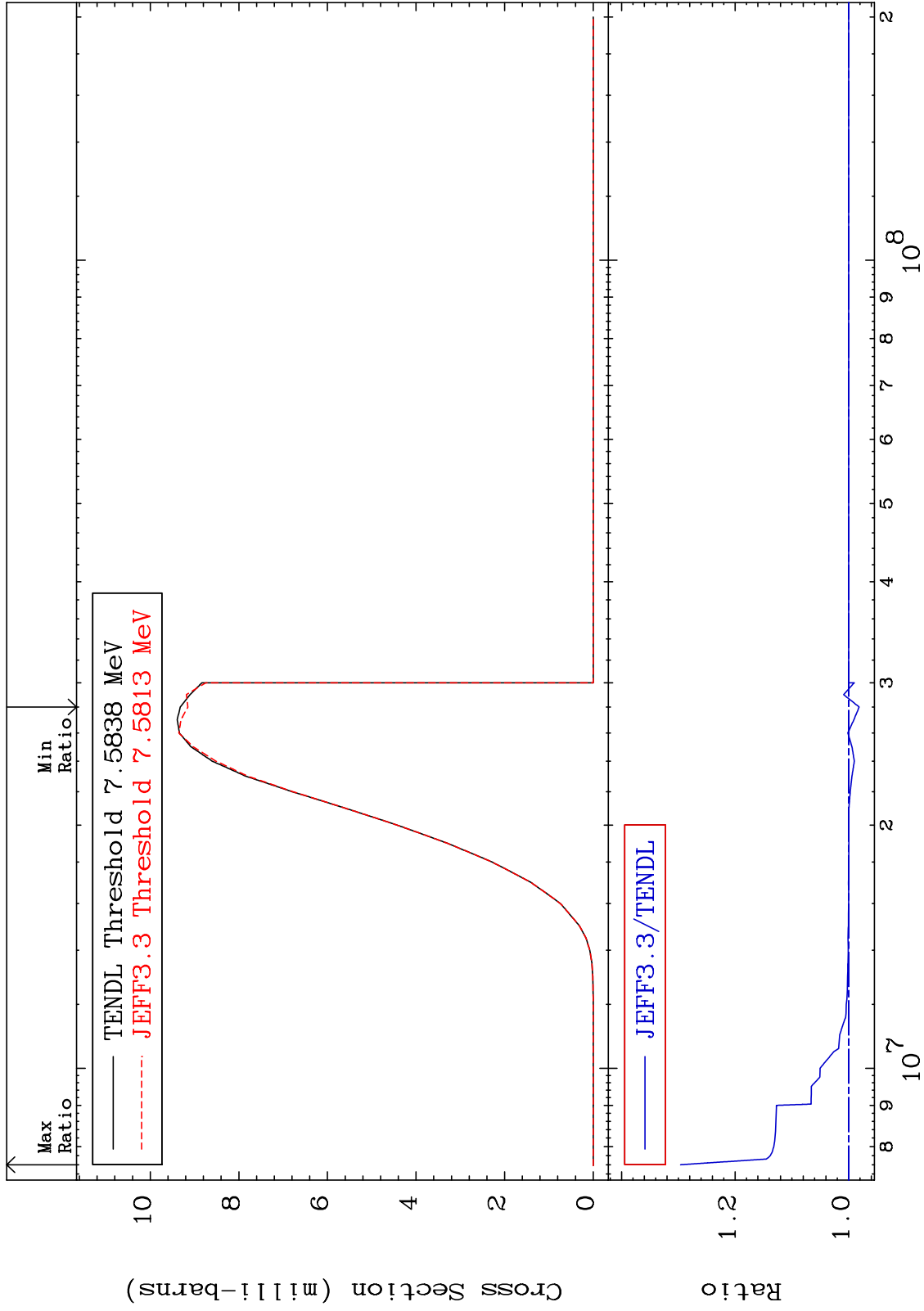
MAT 4440

(n, t)

44-Ru-101

Cross Section

-1.841 To 29.60 %



54

Incident Energy (eV)

44-Ru-101

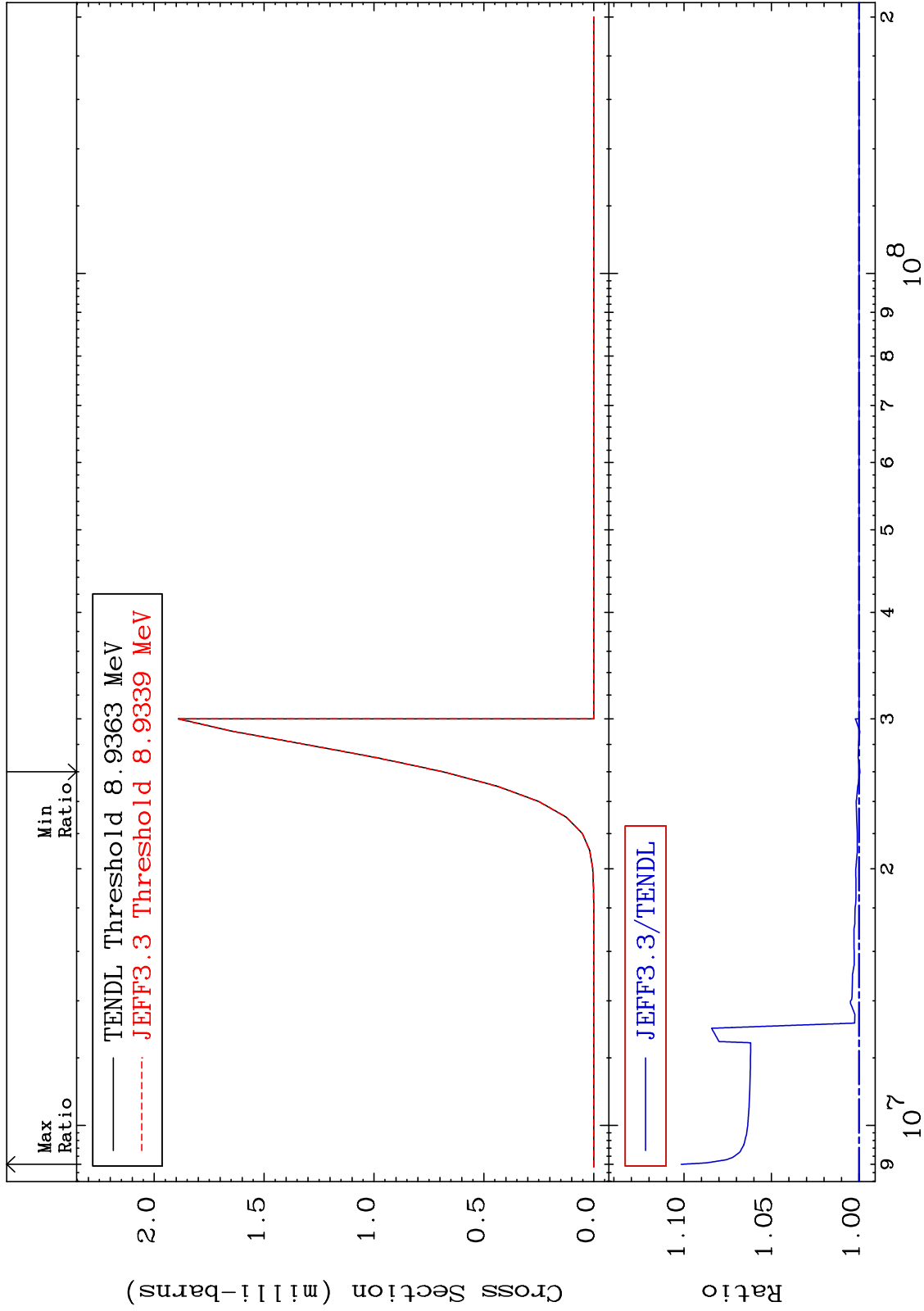
MAT 4440

(n, He-3)

44-Ru-101

Cross Section

-0.054 To 10.16 %



55

Incident Energy (eV)

44-Ru-101

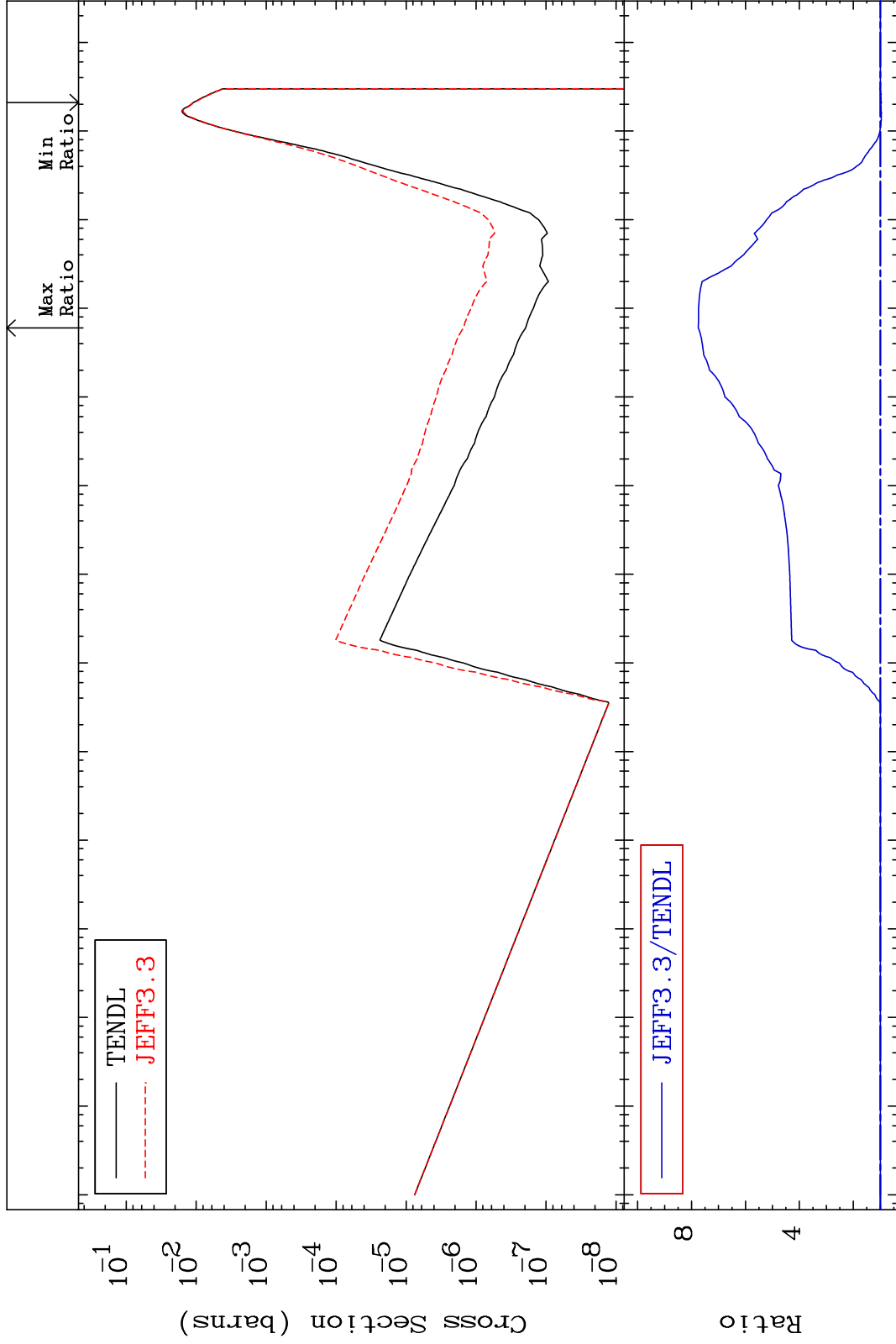
MAT 4440

(n, α)

44-Ru-101

Cross Section

-4.707 To 674.8 %



56

Incident Energy (eV)

44-Ru-101

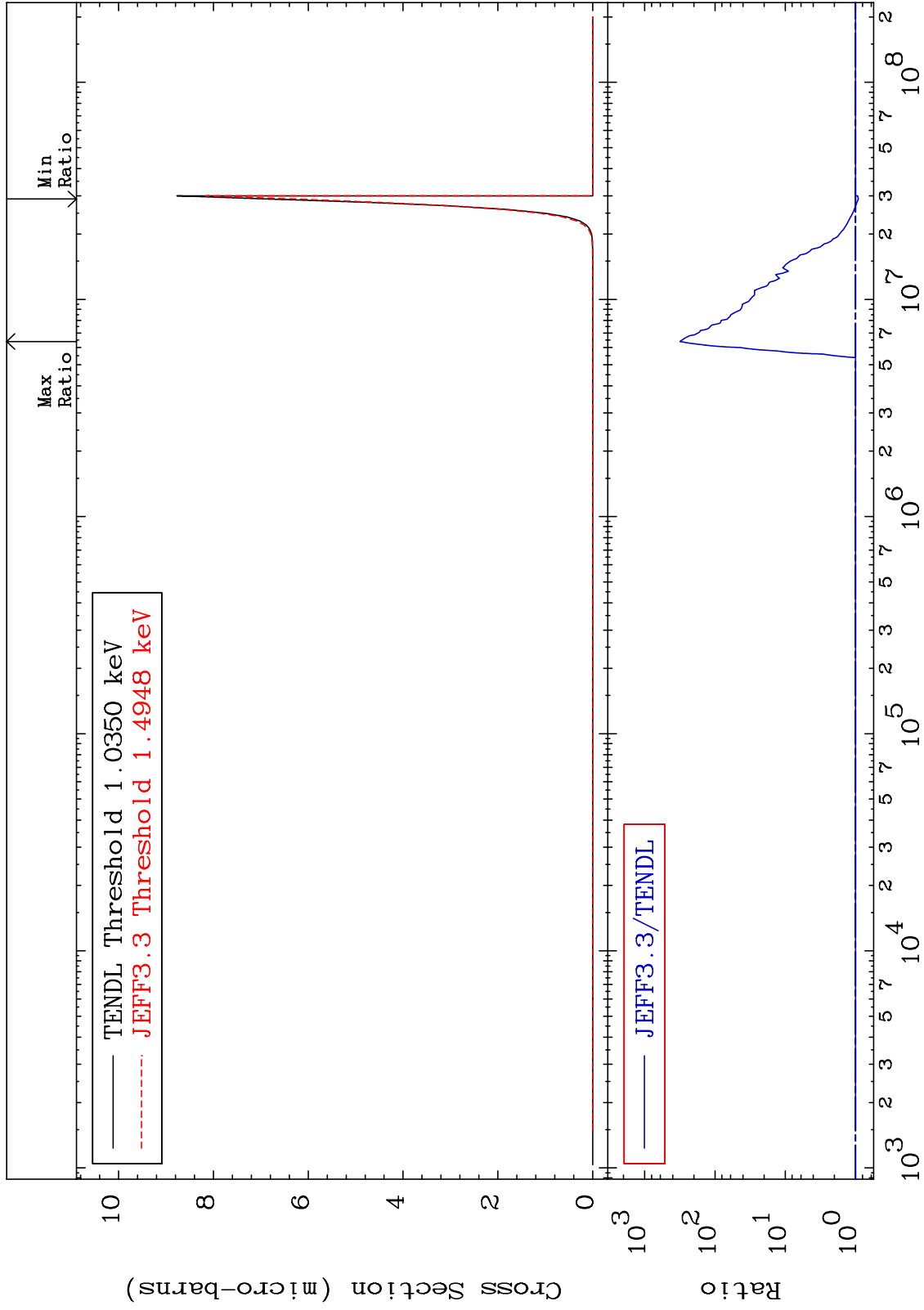
MAT 4440

(n, 2α)

44-Ru-101

Cross Section

-8.802 To 9999. %



57

Incident Energy (eV)

44-Ru-101

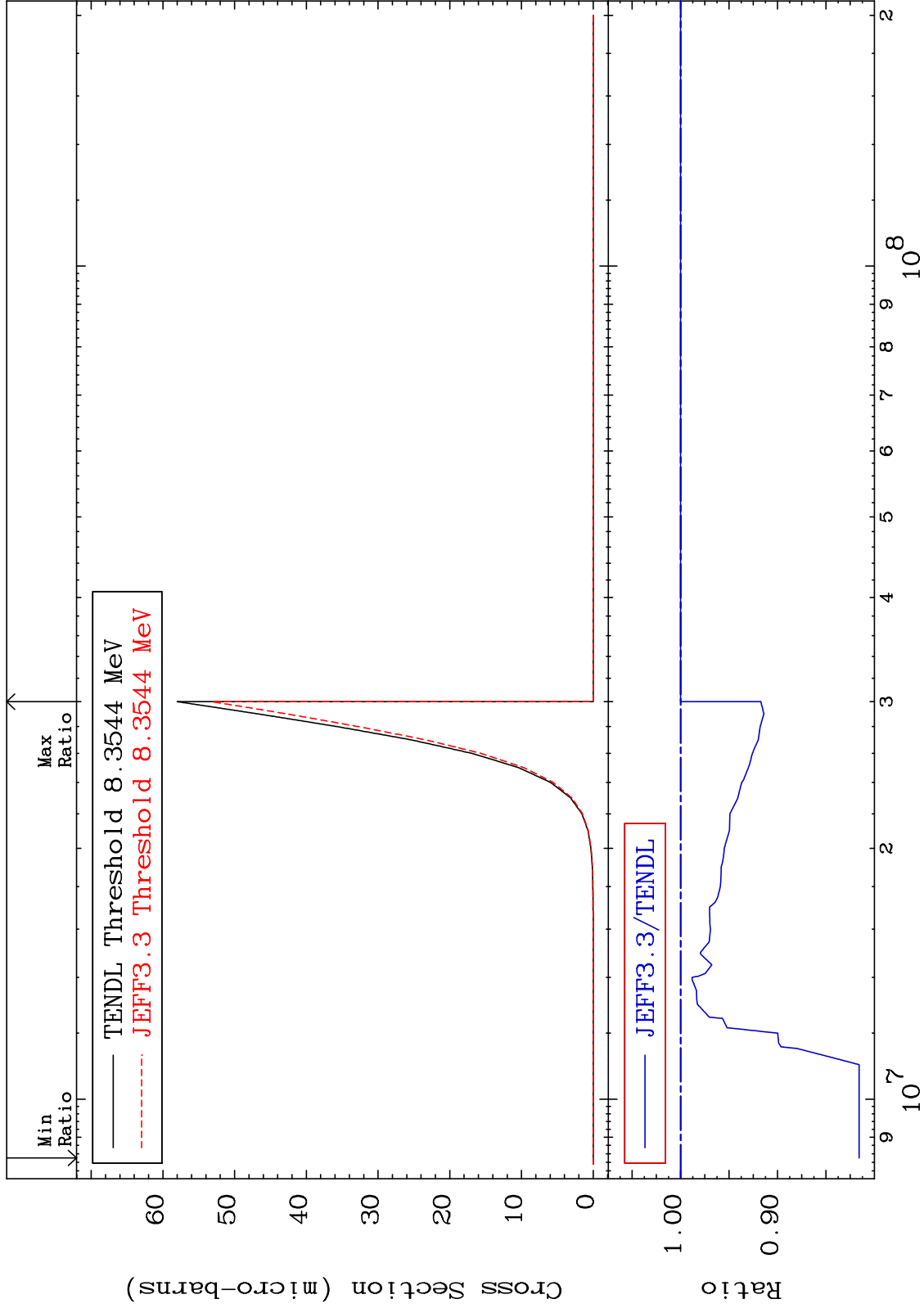
MAT 4440

(n,2p)

44-Ru-101

-18.42 To 0.000 %

Cross Section



58

Incident Energy (eV)

44-Ru-101

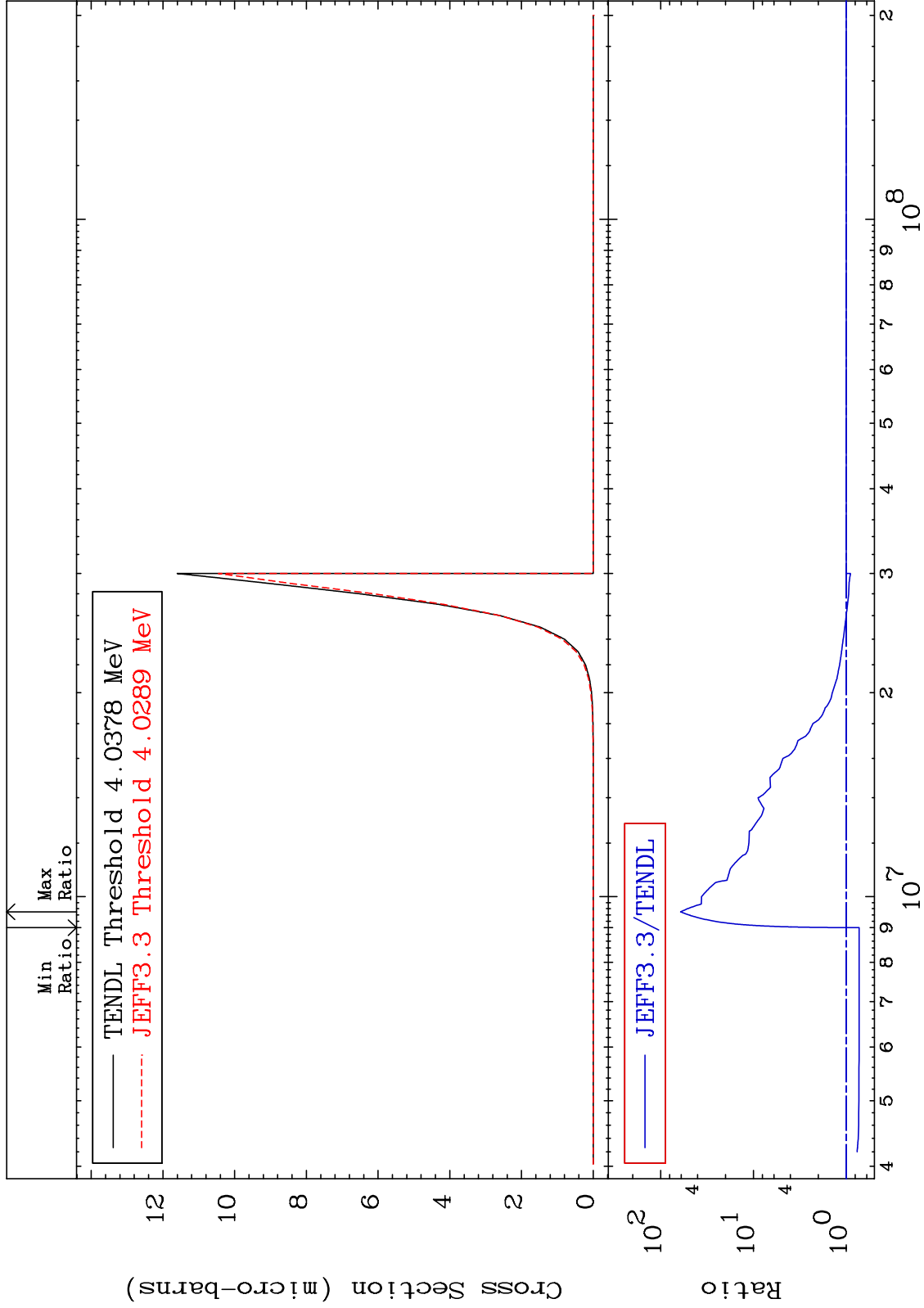
MAT 4440

(n,p) α

44-Ru-101

Cross Section

-27.45 To 5989. %



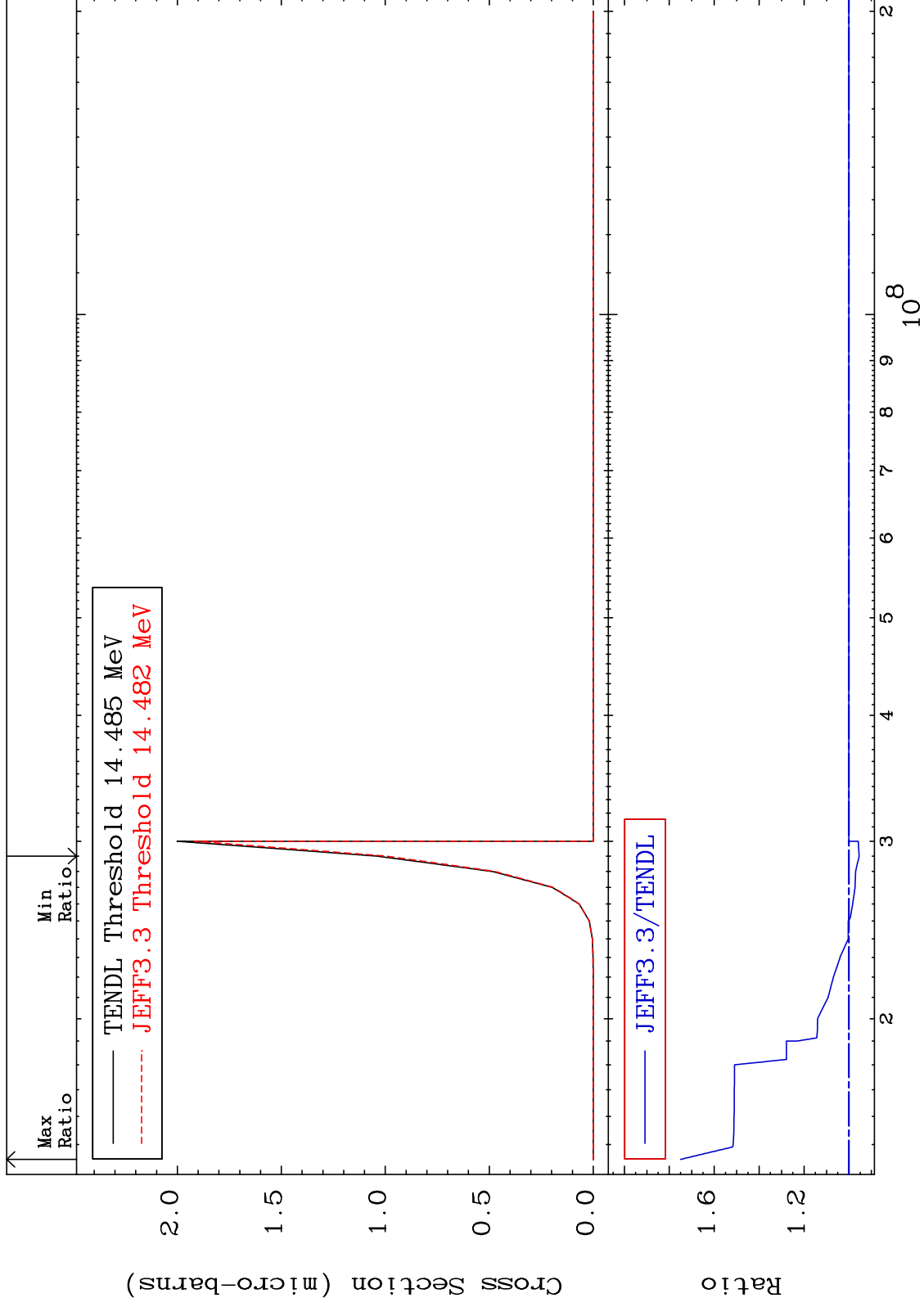
MAT 4440

(n,p) d

44-Ru-101

Cross Section

-4.546 To 74.96 %



60

44-Ru-101

44-Ru-101

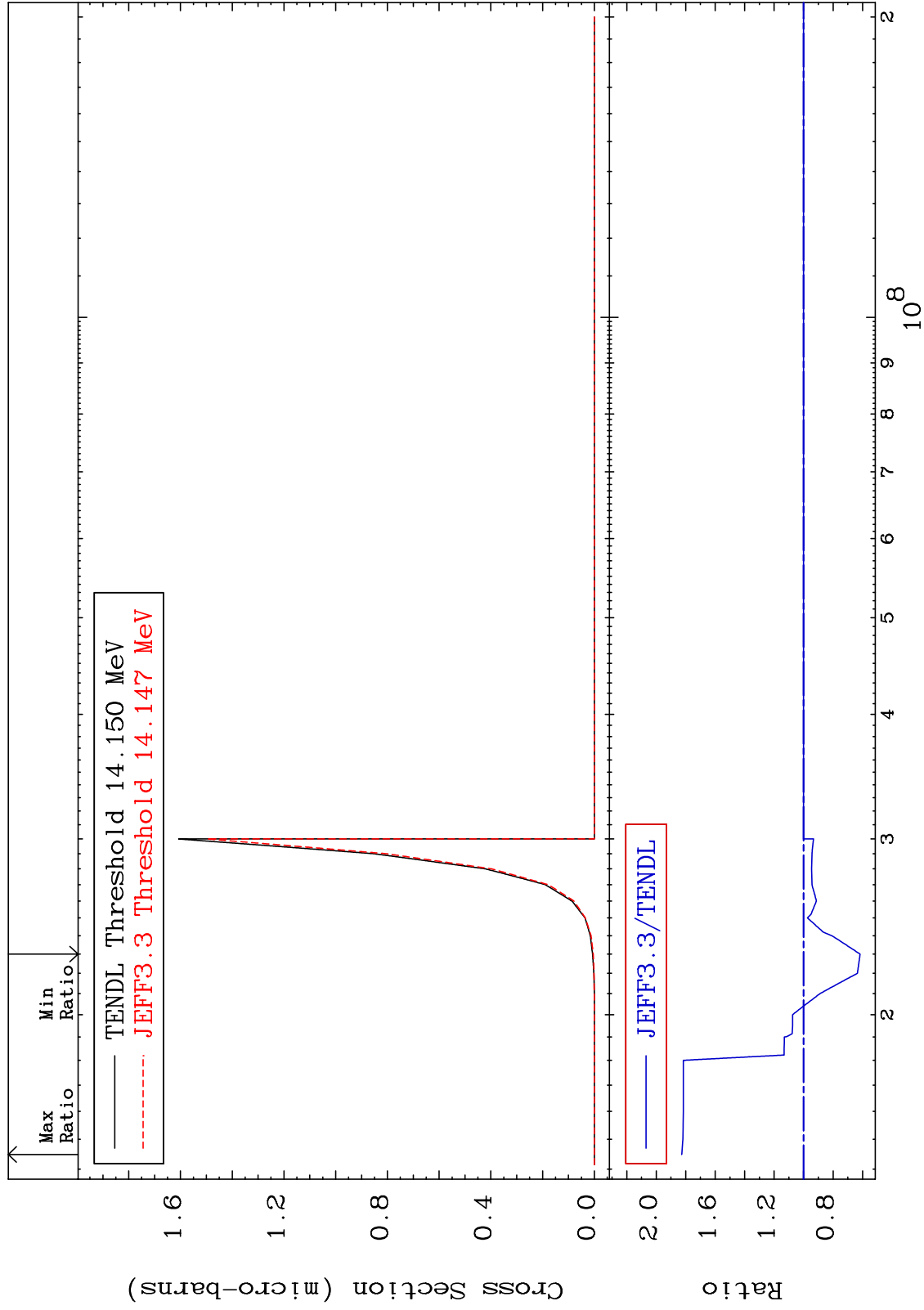
MAT 4440

(n,p) t

44-Ru-101

Cross Section

-38.31 To 82.75 %



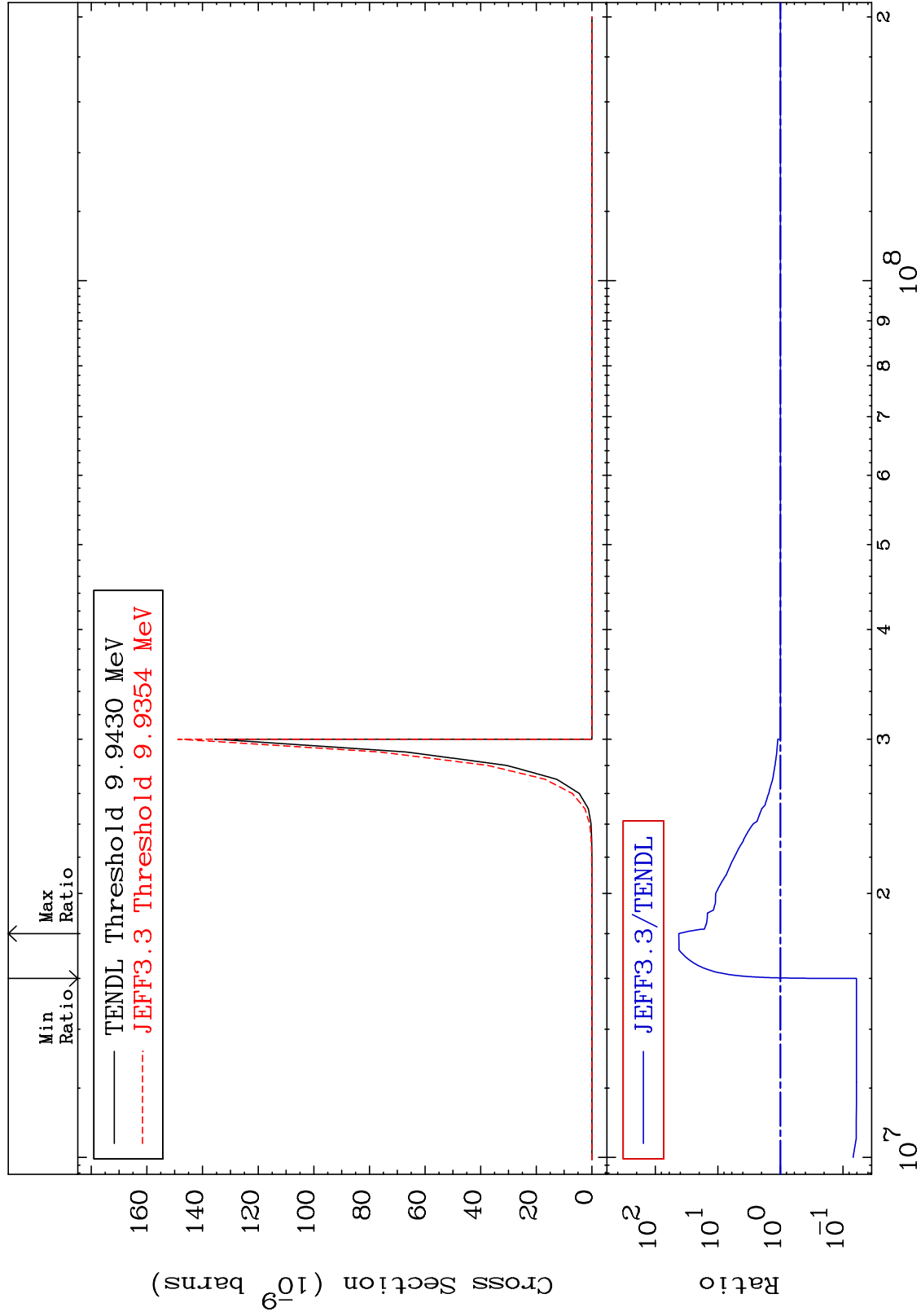
MAT 4440

(n,d) α

44-Ru-101

Cross Section

-93.92 To 4116. %



62

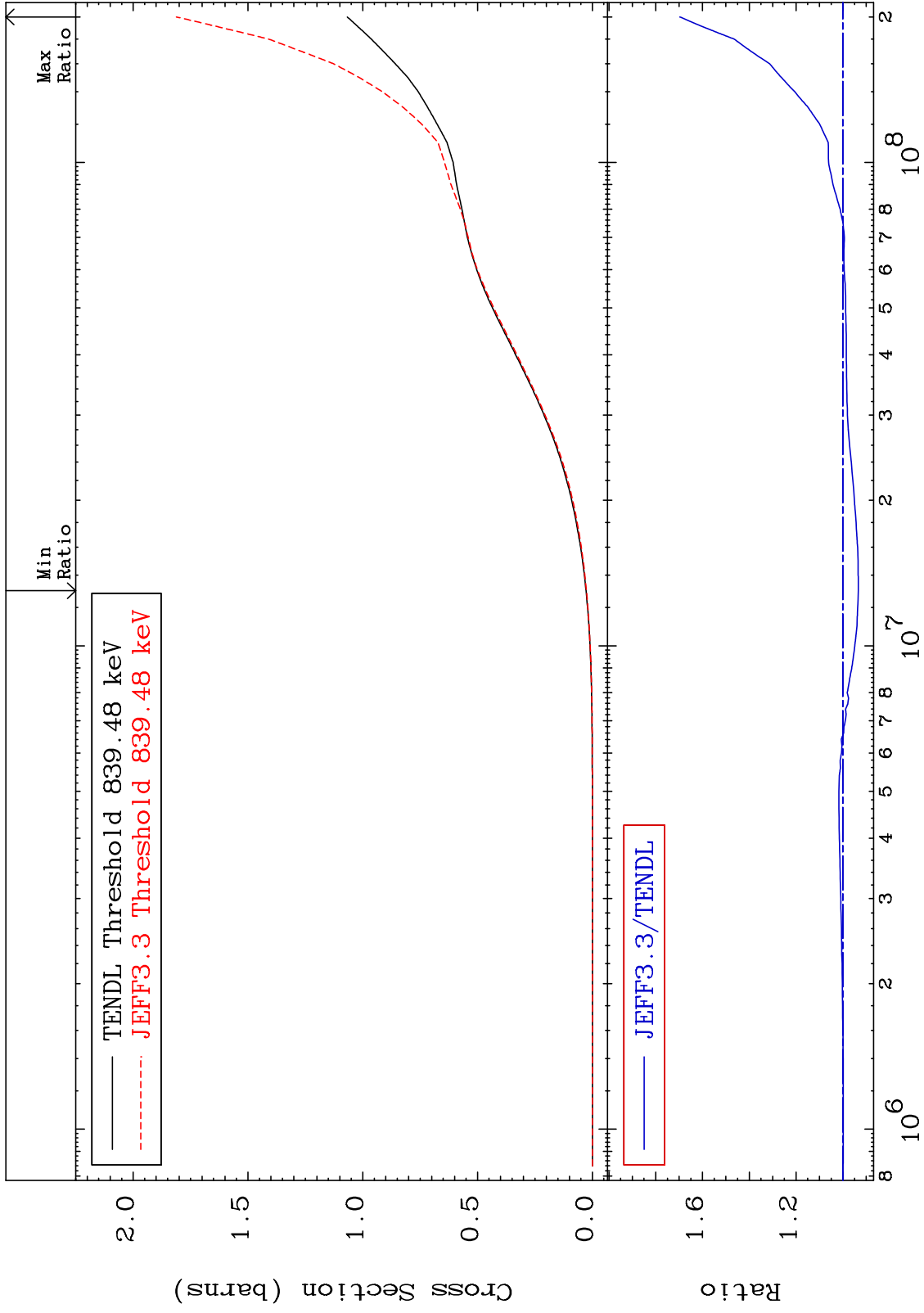
Incident Energy (eV)

44-Ru-101

MAT 4440

Hydrogen Production
Cross Section

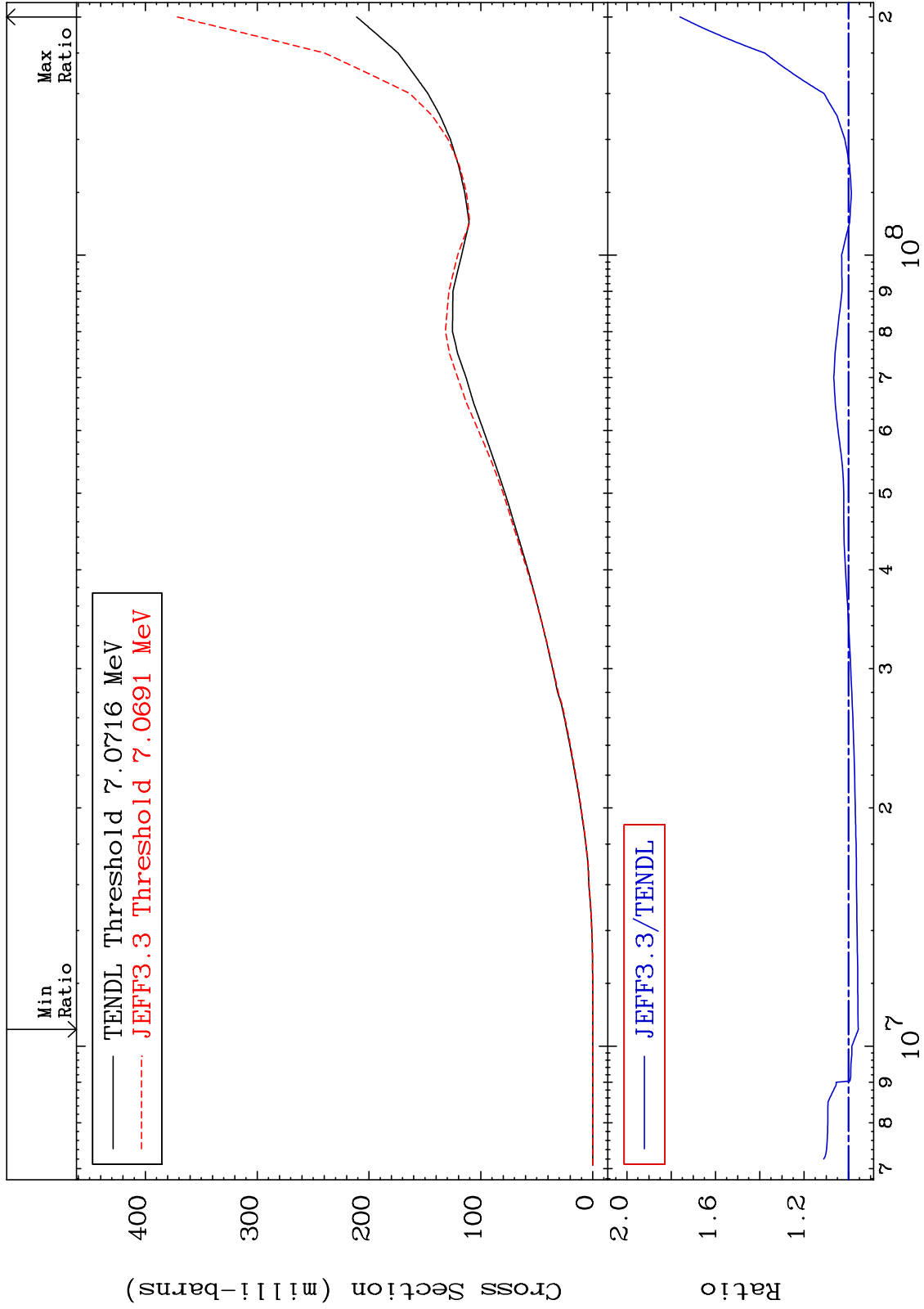
44-Ru-101
-6.638 To 69.70 %



MAT 4440

Deuterium Production
Cross Section

44-Ru-101
-4.495 To 76.00 %



64

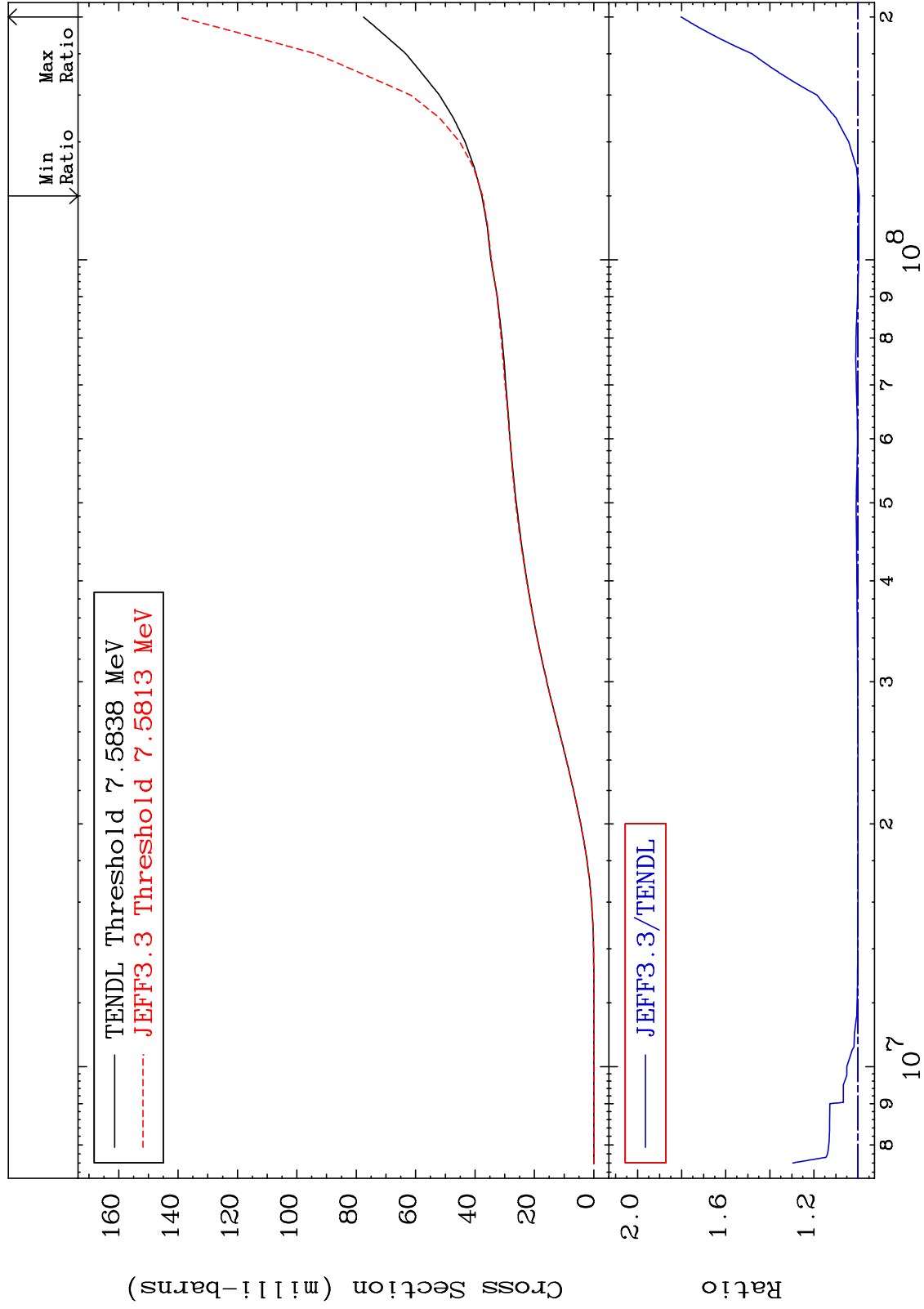
Incident Energy (eV)

44-Ru-101

MAT 4440

Tritium Production
Cross Section

44-Ru-101
-0.615 To 80.29 %



65

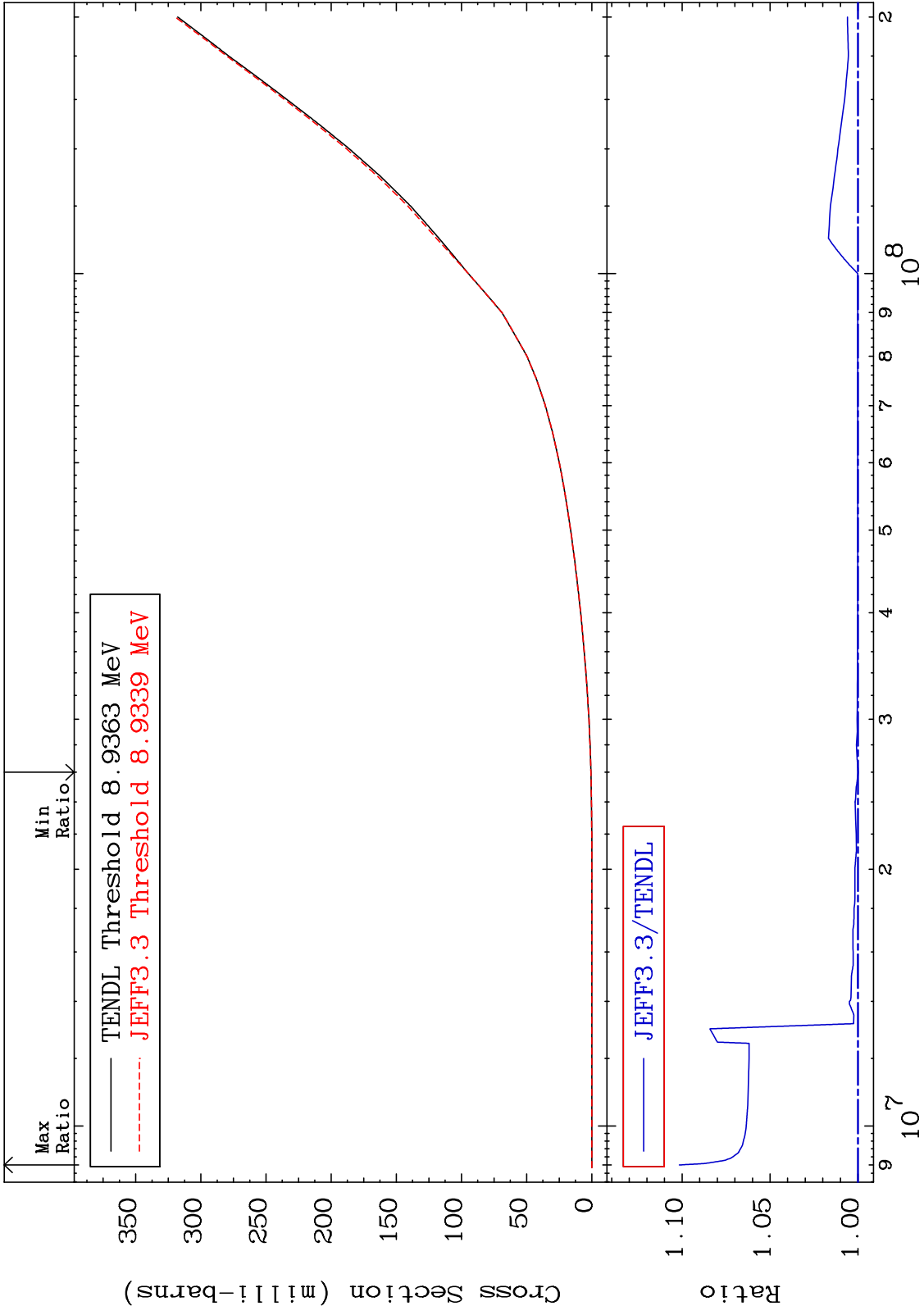
Incident Energy (eV)

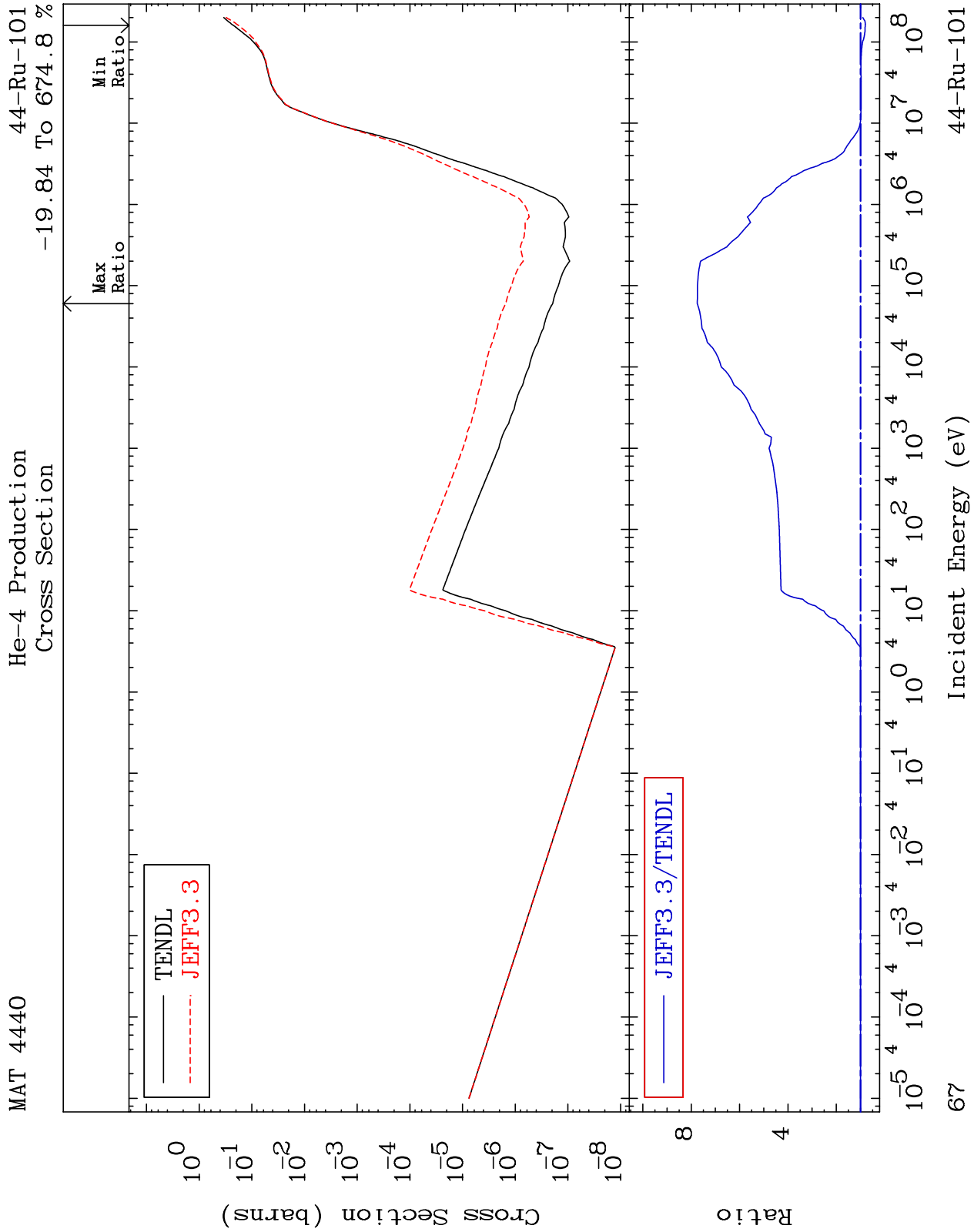
44-Ru-101

MAT 4440

He-3 Production
Cross Section

44-Ru-101
-0.013 To 10.16 %





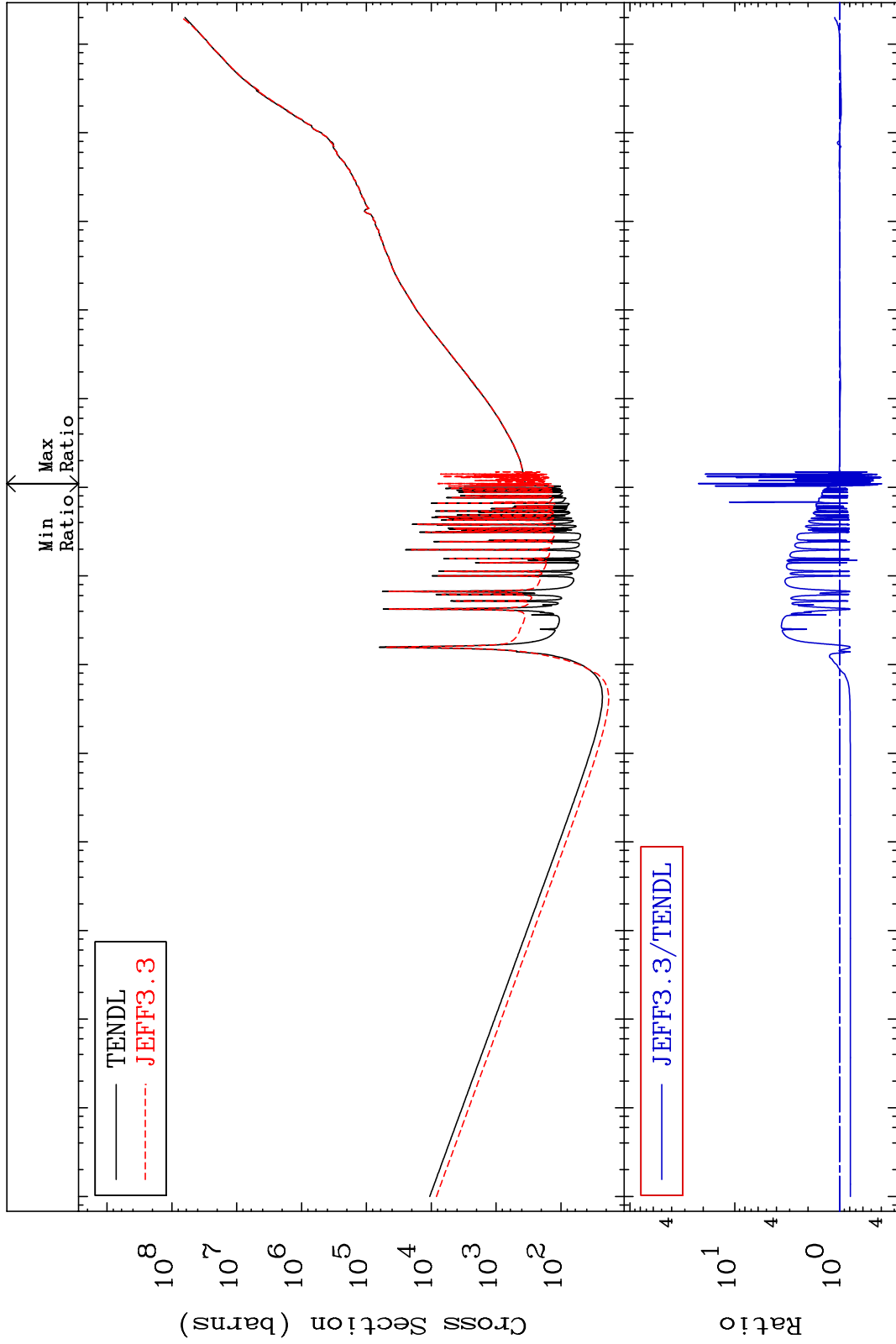
MAT 4440

Kerma total (eV-barns)

44-Ru-101

-60.23 To 2128. %

Cross Section



Ratio

44-Ru-101

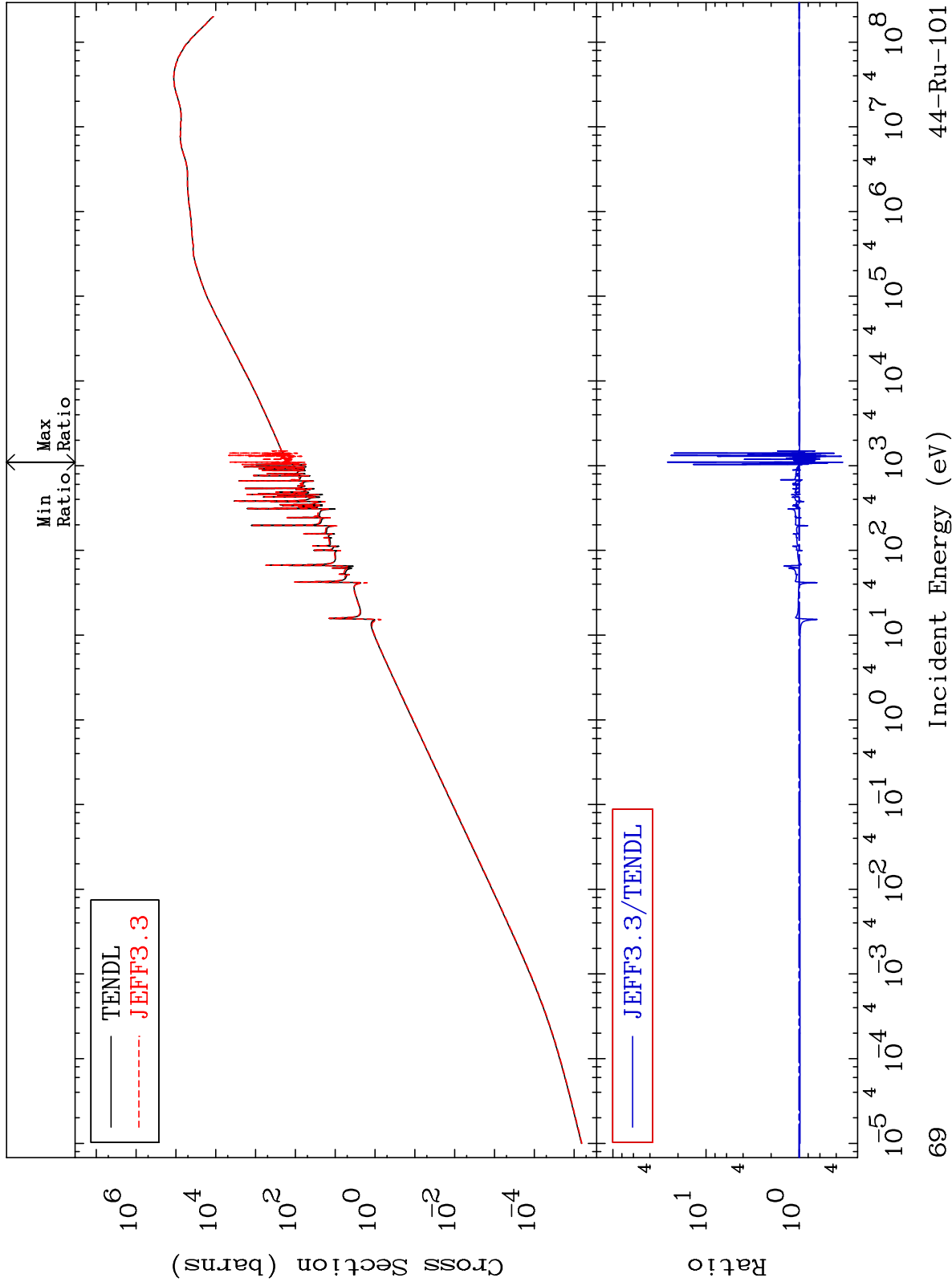
Incident Energy (eV)

68

MAT 4440

Kerma elastic
Cross Section

44-Ru-101
-65.88 To 2484. %



69

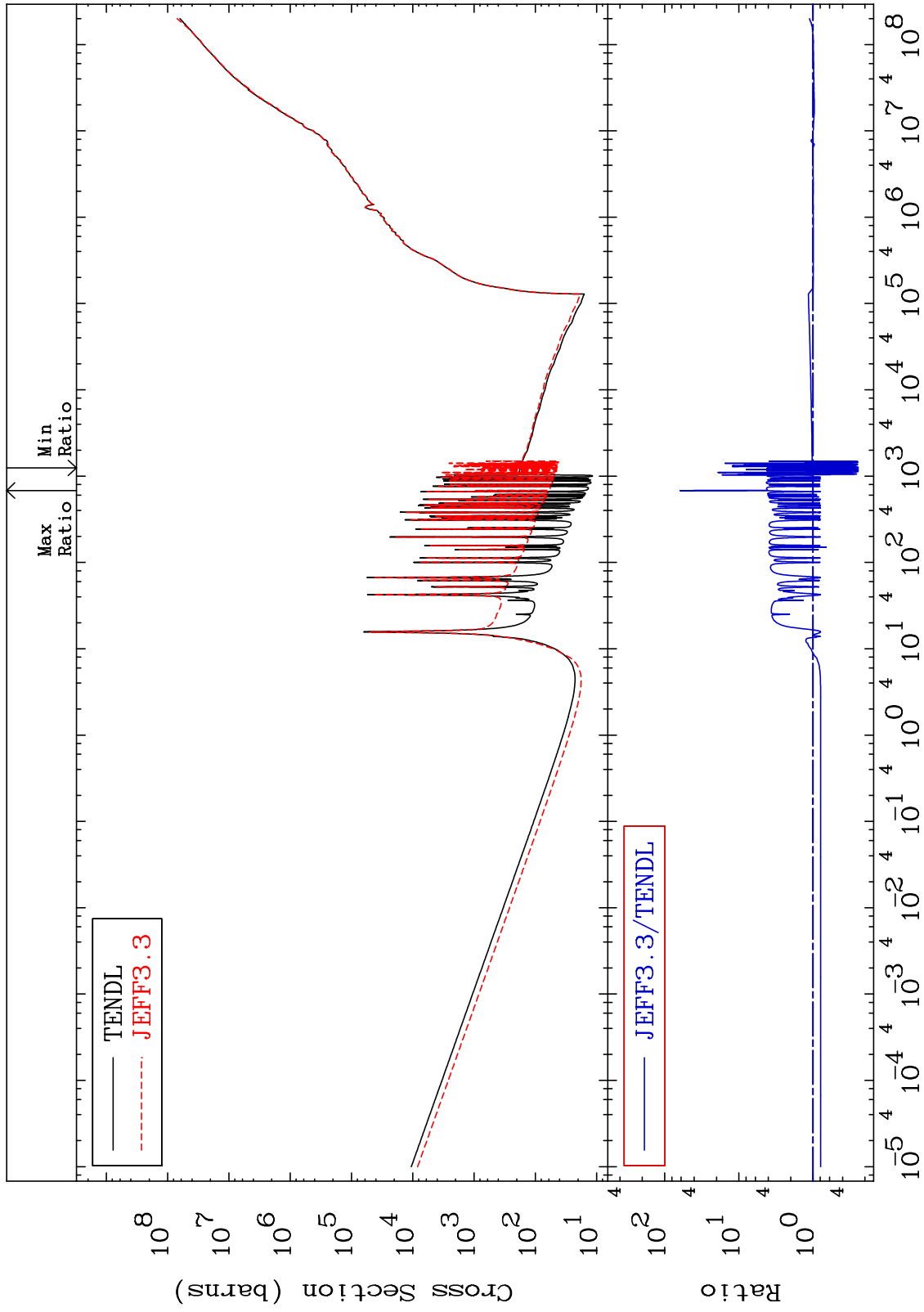
Incident Energy (eV)

44-Ru-101

MAT 4440

Kerma non-elastic (all but mt2)
Cross Section

44-Ru-101
-75.50 To 6100. %



70

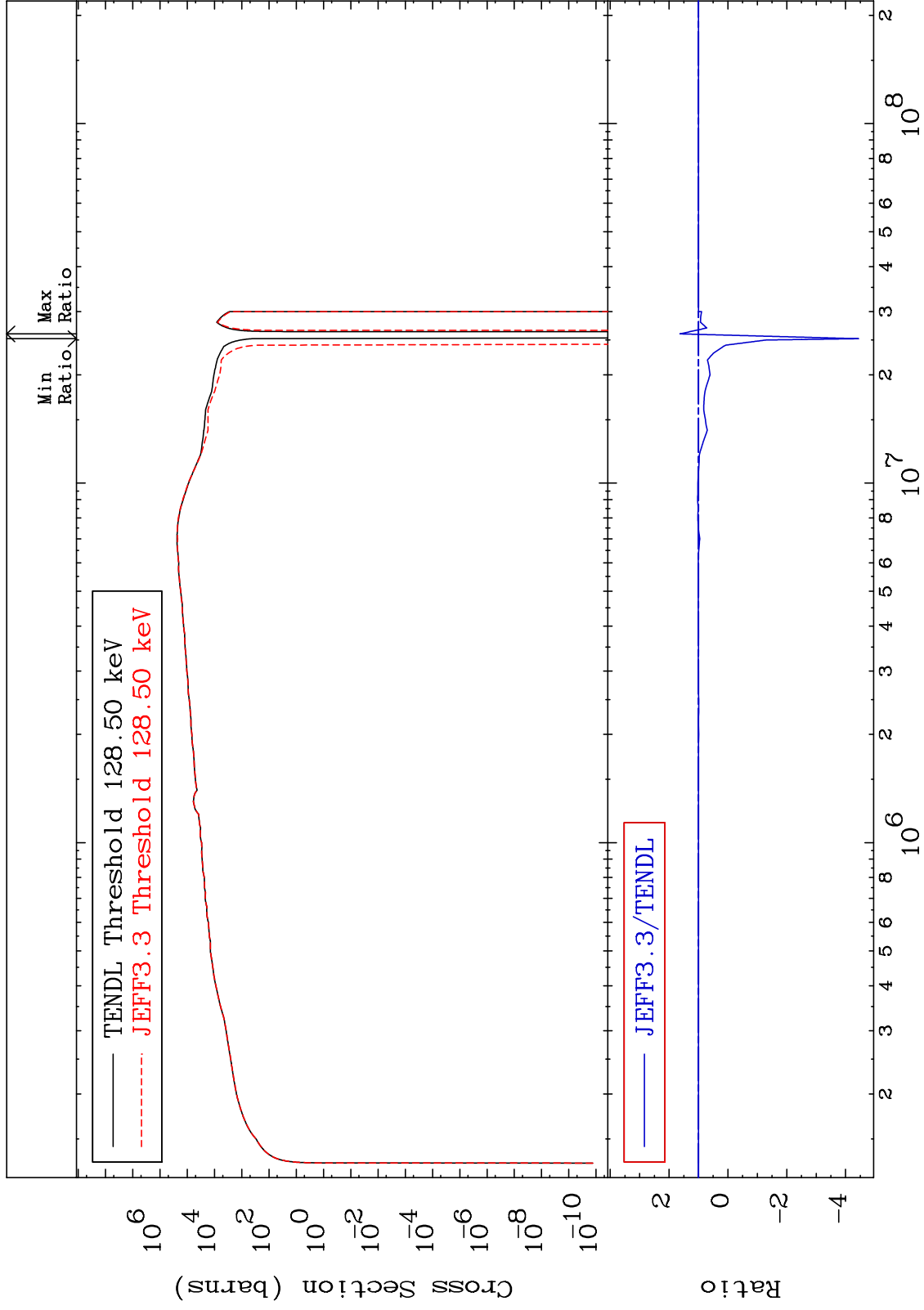
Incident Energy (eV)

44-Ru-101

MAT 4440

Kerma inelastic (mt51-91)
Cross Section

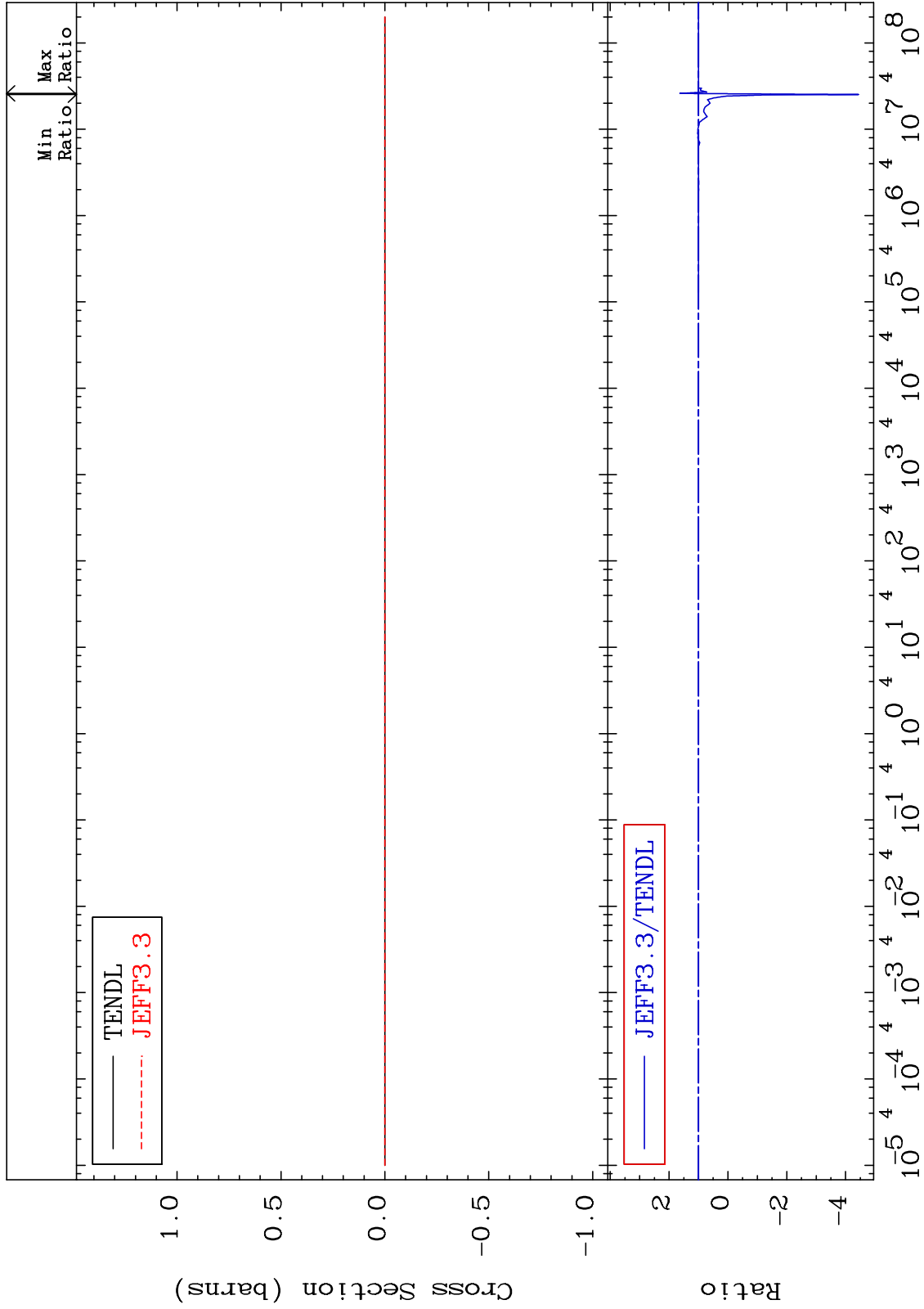
44-Ru-101
-543.5 To 62.75 %



MAT 4440

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

44-Ru-101
-543.5 To 62.75 %



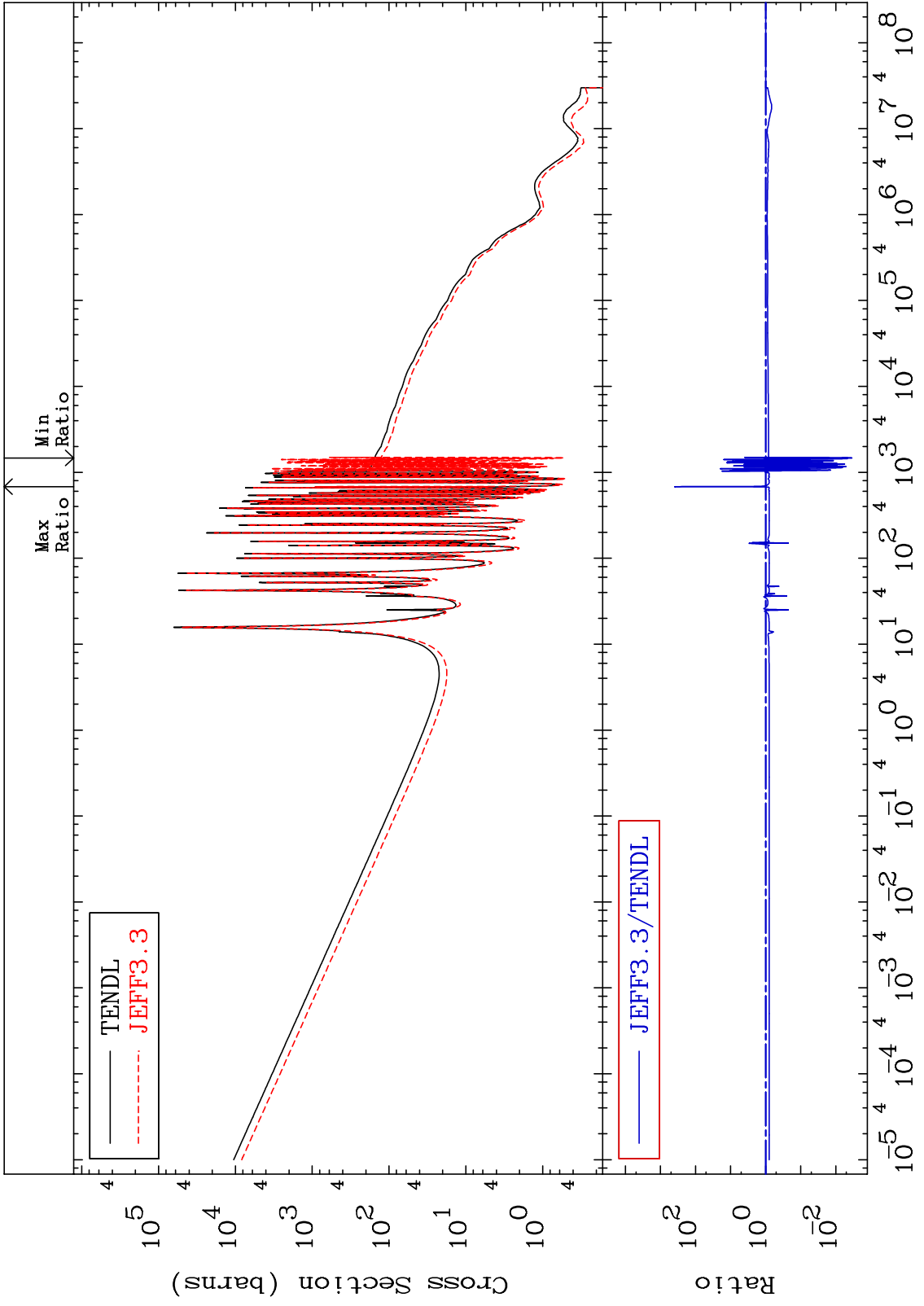
72

44-Ru-101

MAT 4440

Kerma capture (mt102)
Cross Section

44-Ru-101
-99.66 To 9999. %



73

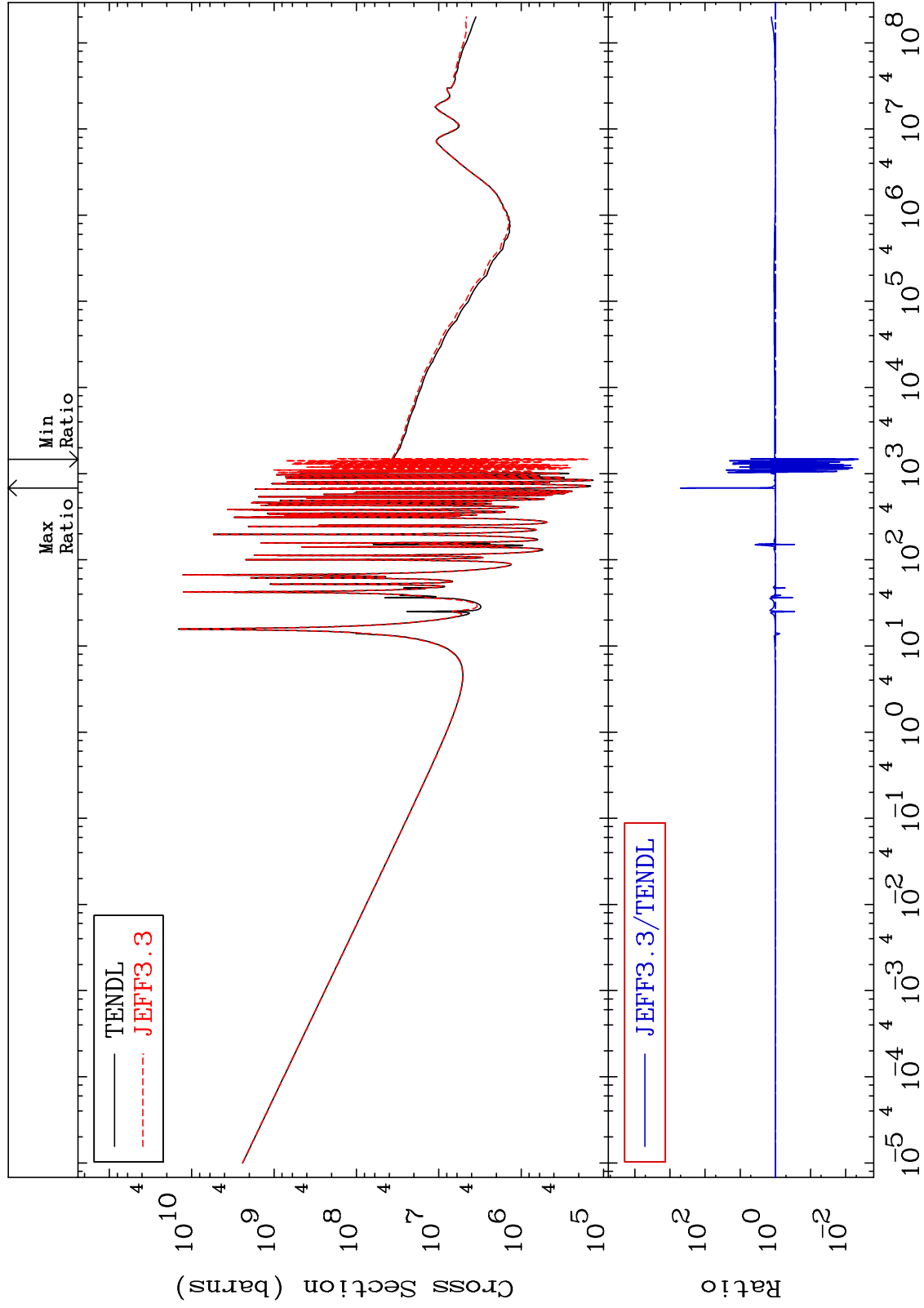
Incident Energy (eV)

44-Ru-101

MAT 4440

Total photon (eV-barns)
Cross Section

44-Ru-101
-99.57 To 9999. %



74

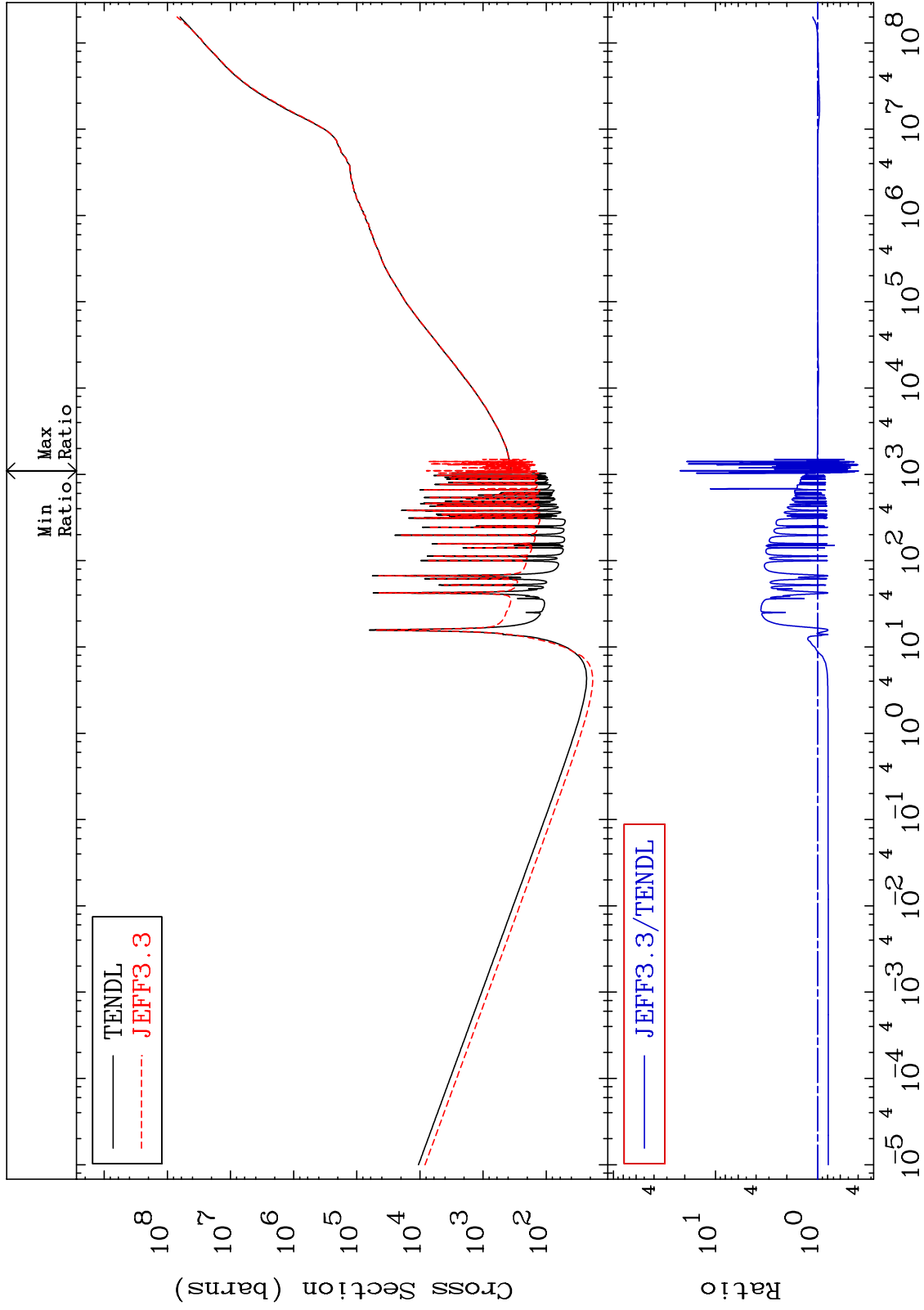
Incident Energy (eV)

44-Ru-101

MAT 4440

Total kinematic kerma (high limit)
Cross Section

44-Ru-101
-60.15 To 2127. %



75

Incident Energy (eV)

44-Ru-101

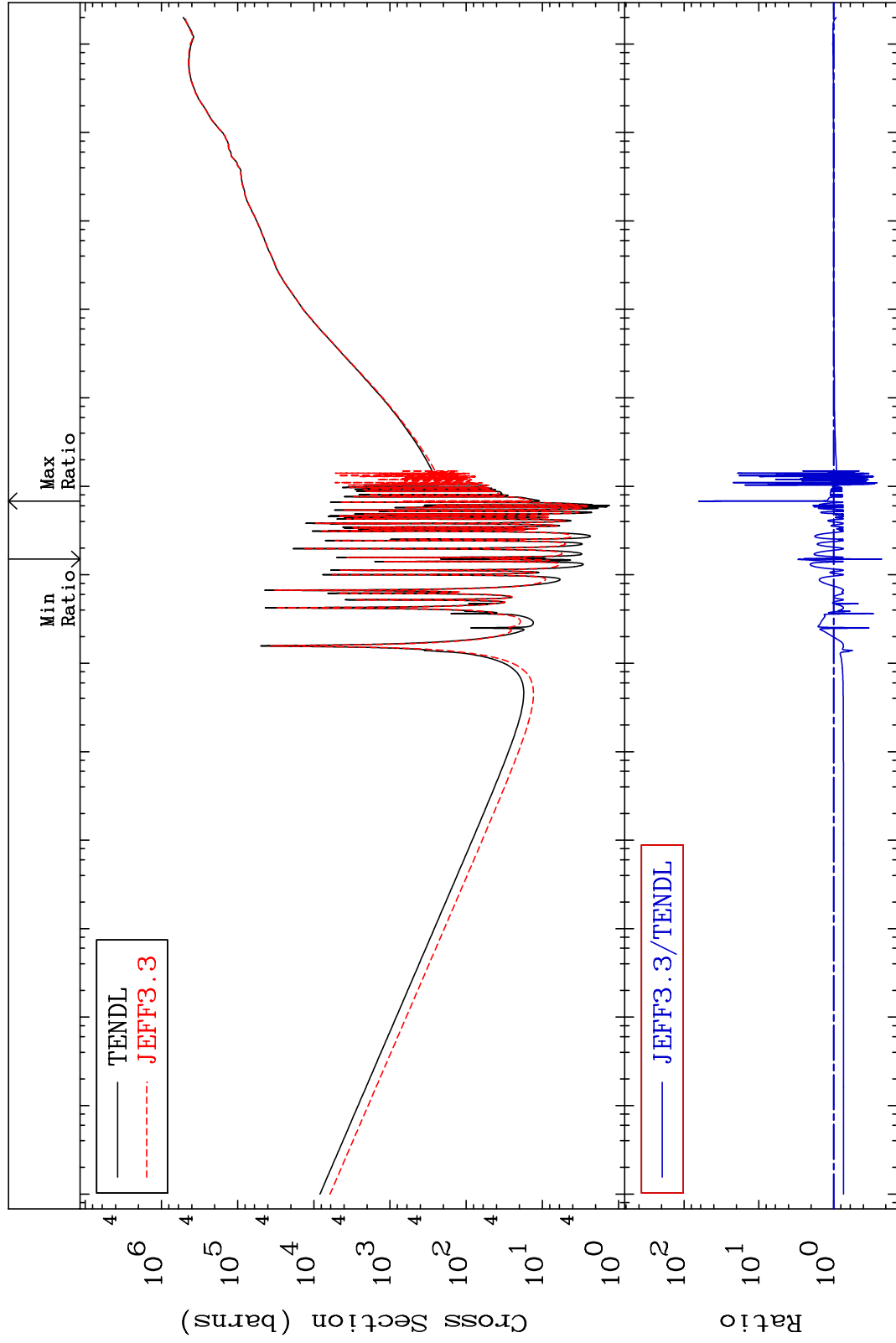
MAT 4440

Dpa total (eV-barns)

44-Ru-101

-77.16 To 6270. %

Cross Section



76

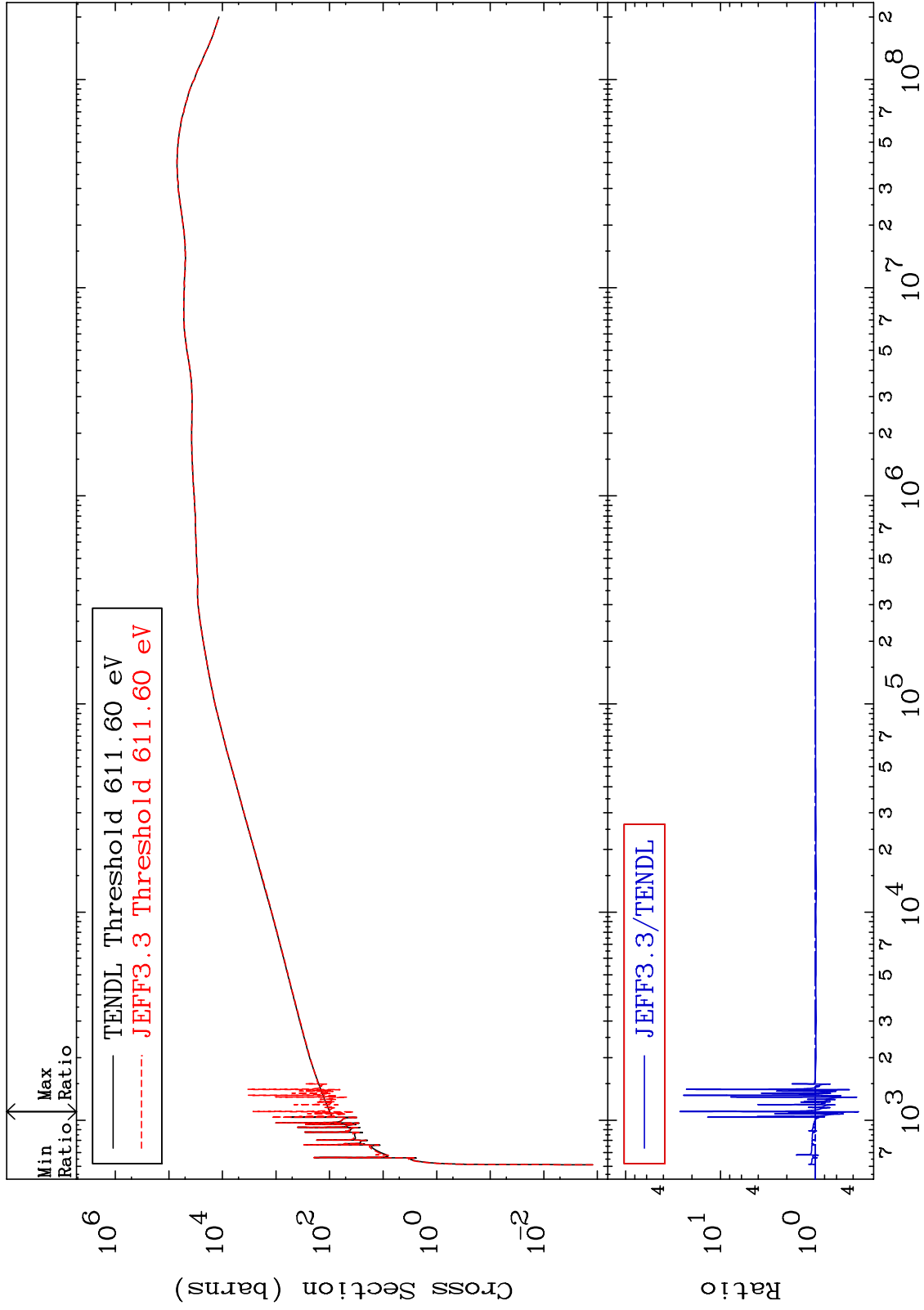
Incident Energy (eV)

44-Ru-101

MAT 4440

Dpa elastic (mt2)
Cross Section

44-Ru-101
-64.78 To 2571. %



77

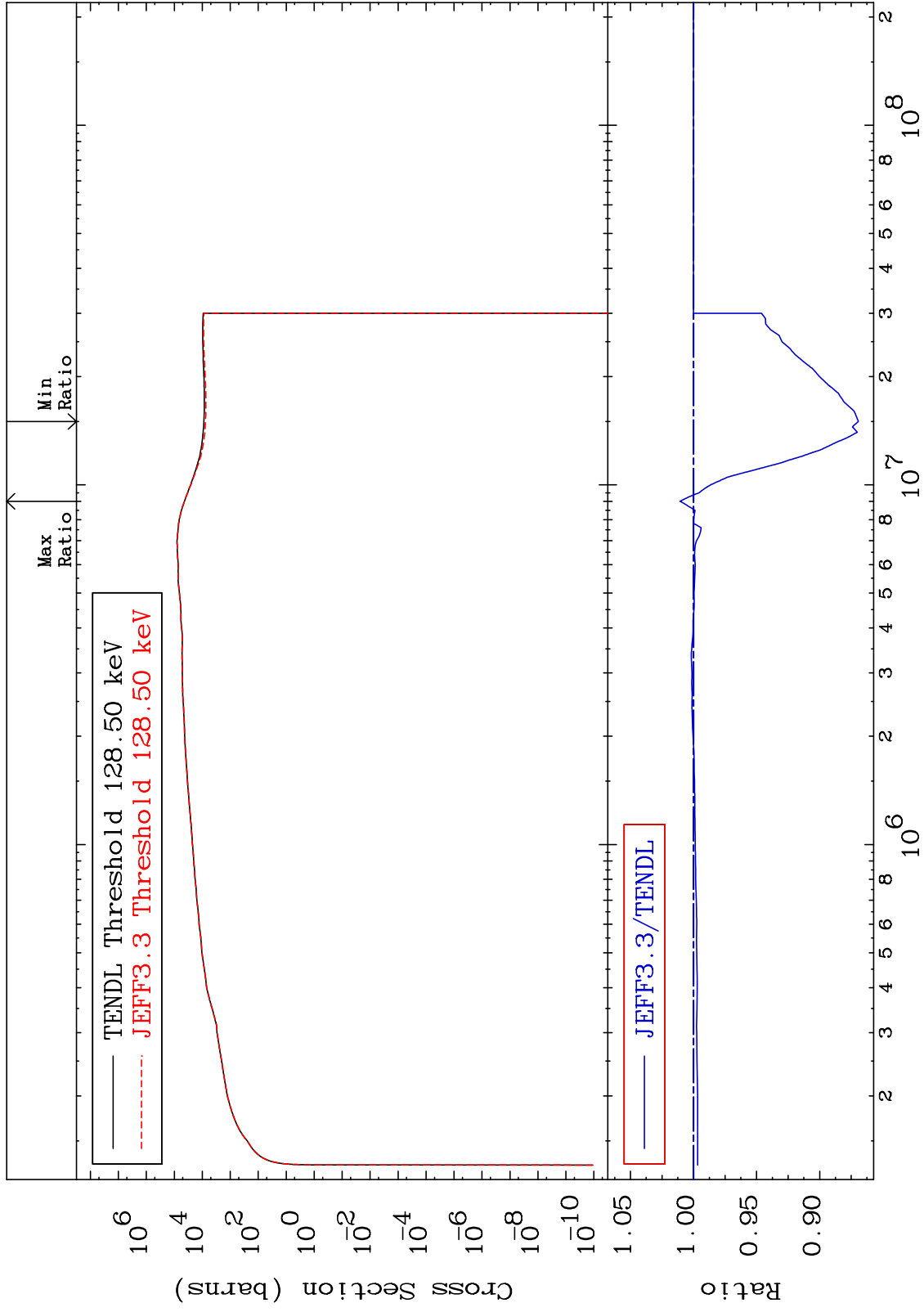
44-Ru-101

44-Ru-101

MAT 4440

Dpa inelastic (mt51-91)
Cross Section

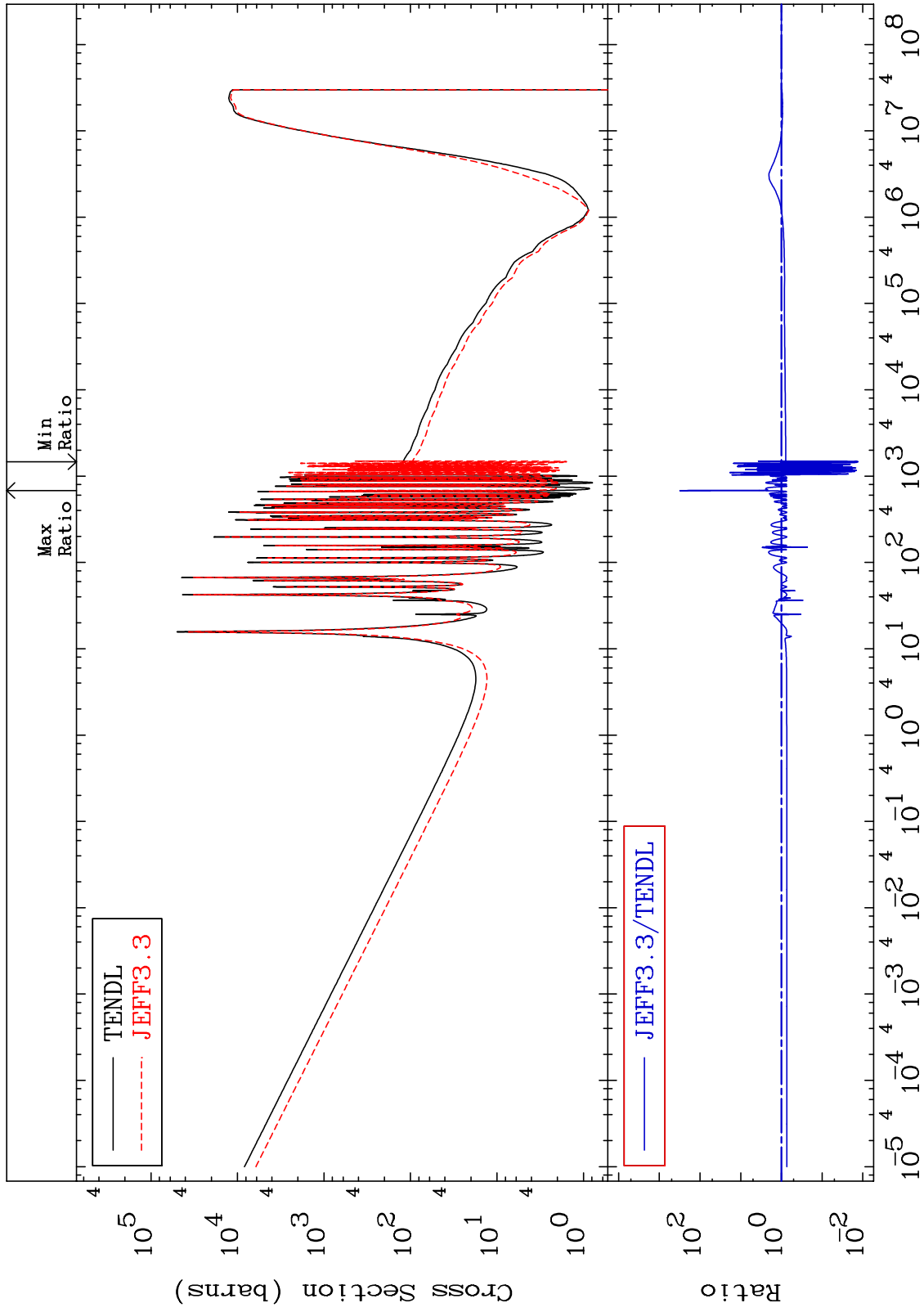
44-Ru-101
-13.07 To 1.071 %



MAT 4440

Dpa disappearance (mt102 -120)
Cross Section

44-Ru-101
-98.72 To 9999. %



79

Incident Energy (eV)

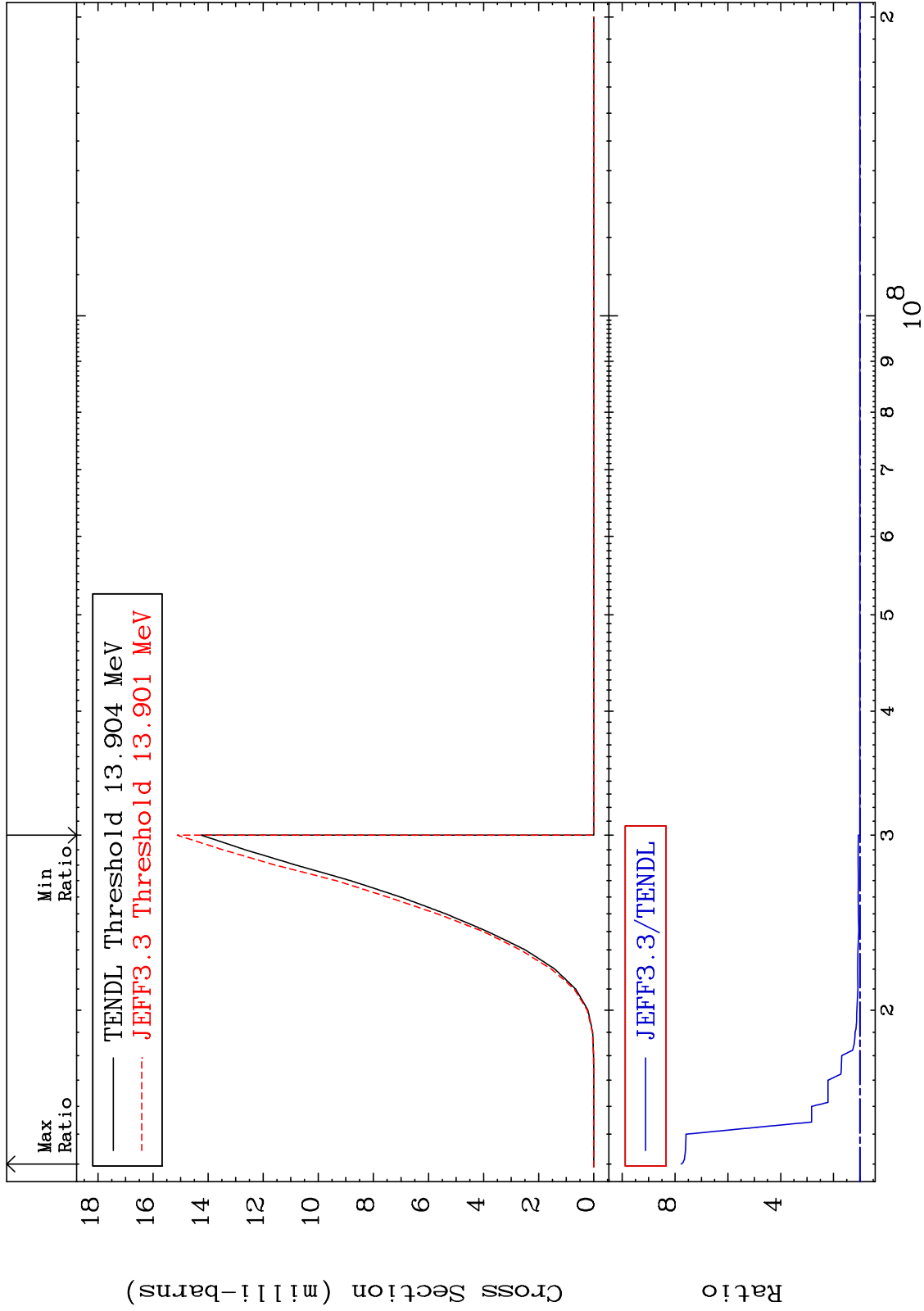
44-Ru-101

MAT 4440

(n, n') d: 43-Tc-99g

44-Ru-101

Radionuclide Production Cross Section 0.000 To 676.7 %



80

Incident Energy (eV)

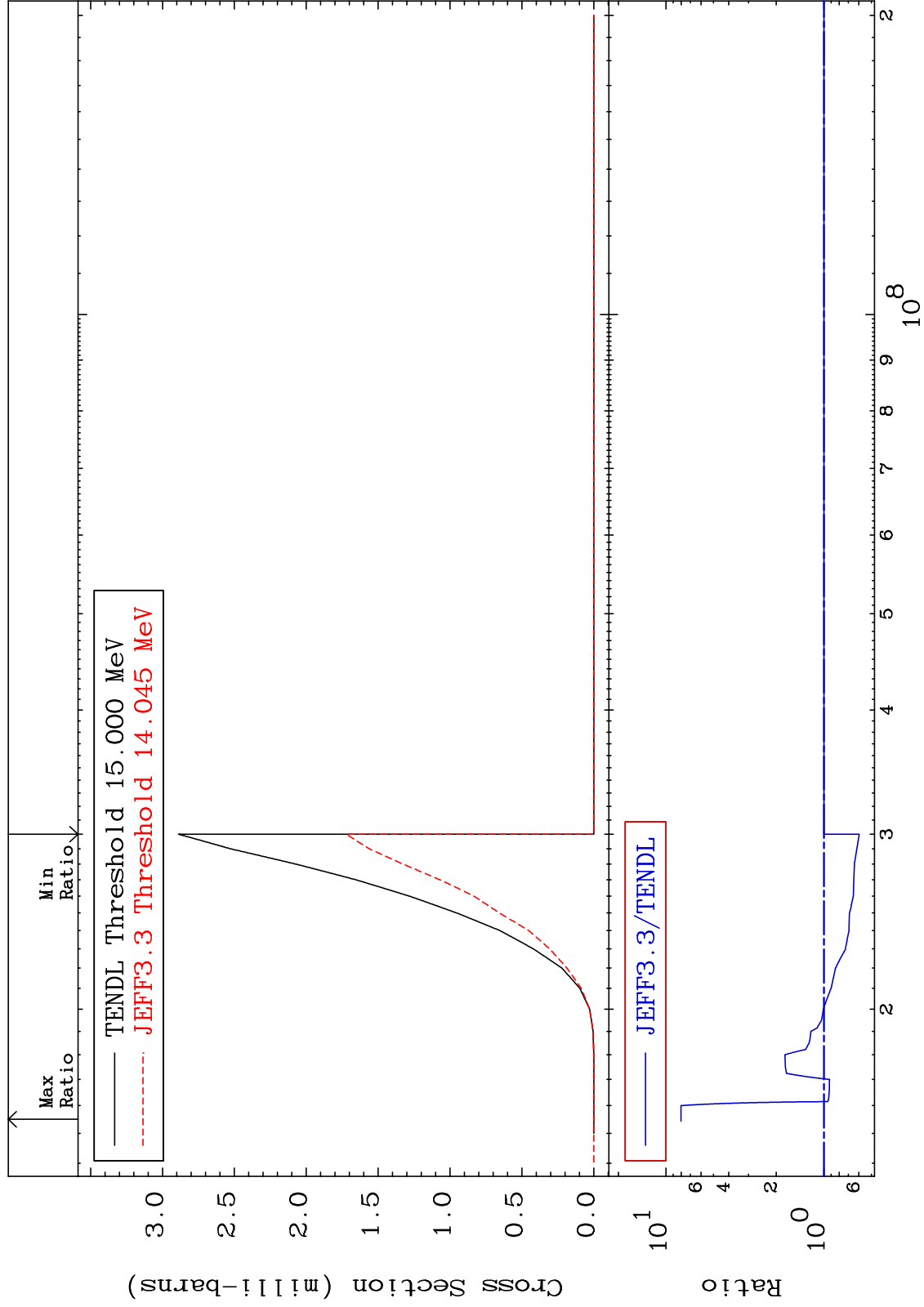
44-Ru-101

MAT 4440

(n, n') d:43-Tc-99m2

44-Ru-101

Radionuclide Production Cross Section -40.36 To 702.1 %

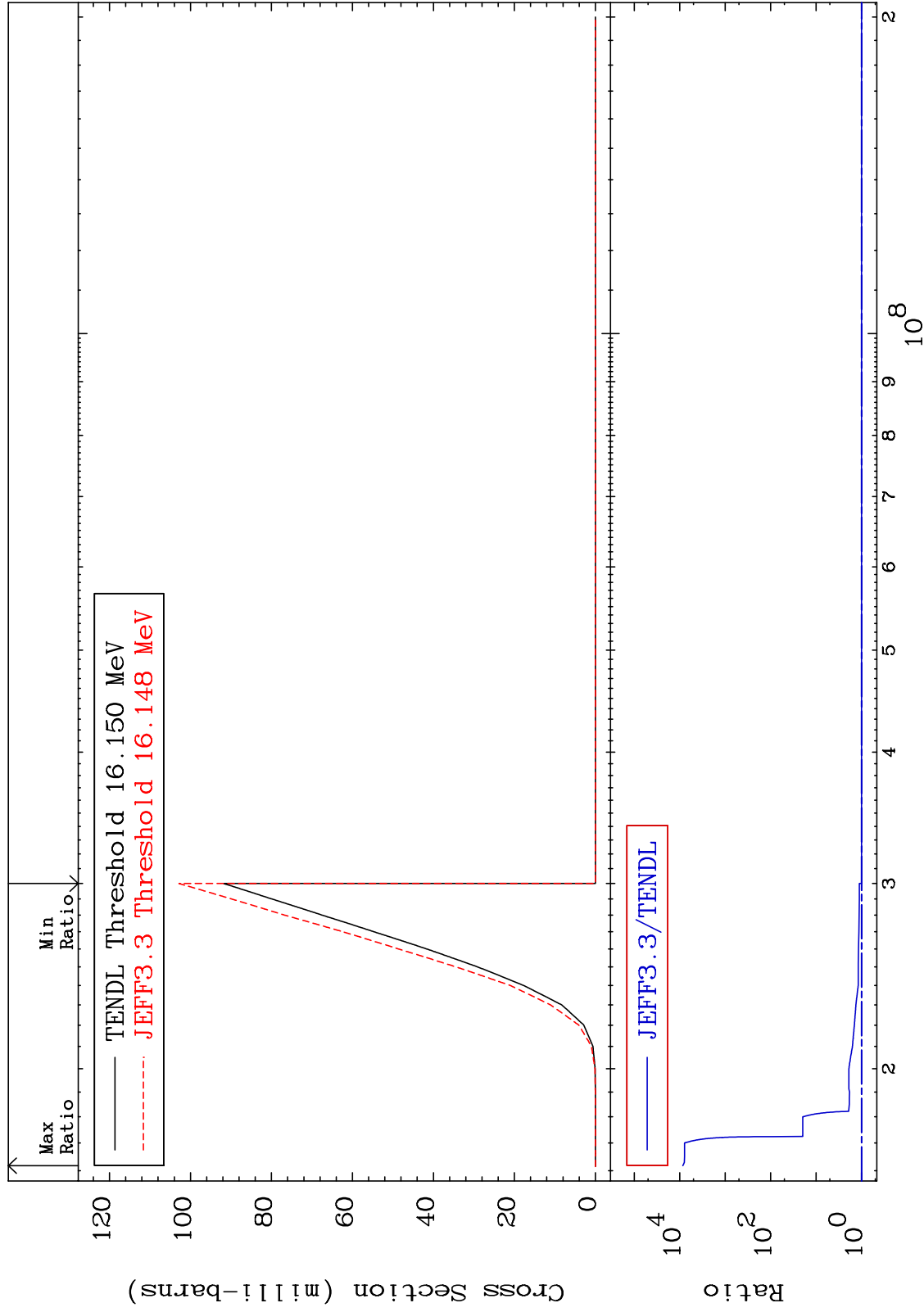


MAT 4440

(n,2n) p: 43-Tc-99g

44-Ru-101

Radionuclide Production Cross Section 0.000 To 9999. %

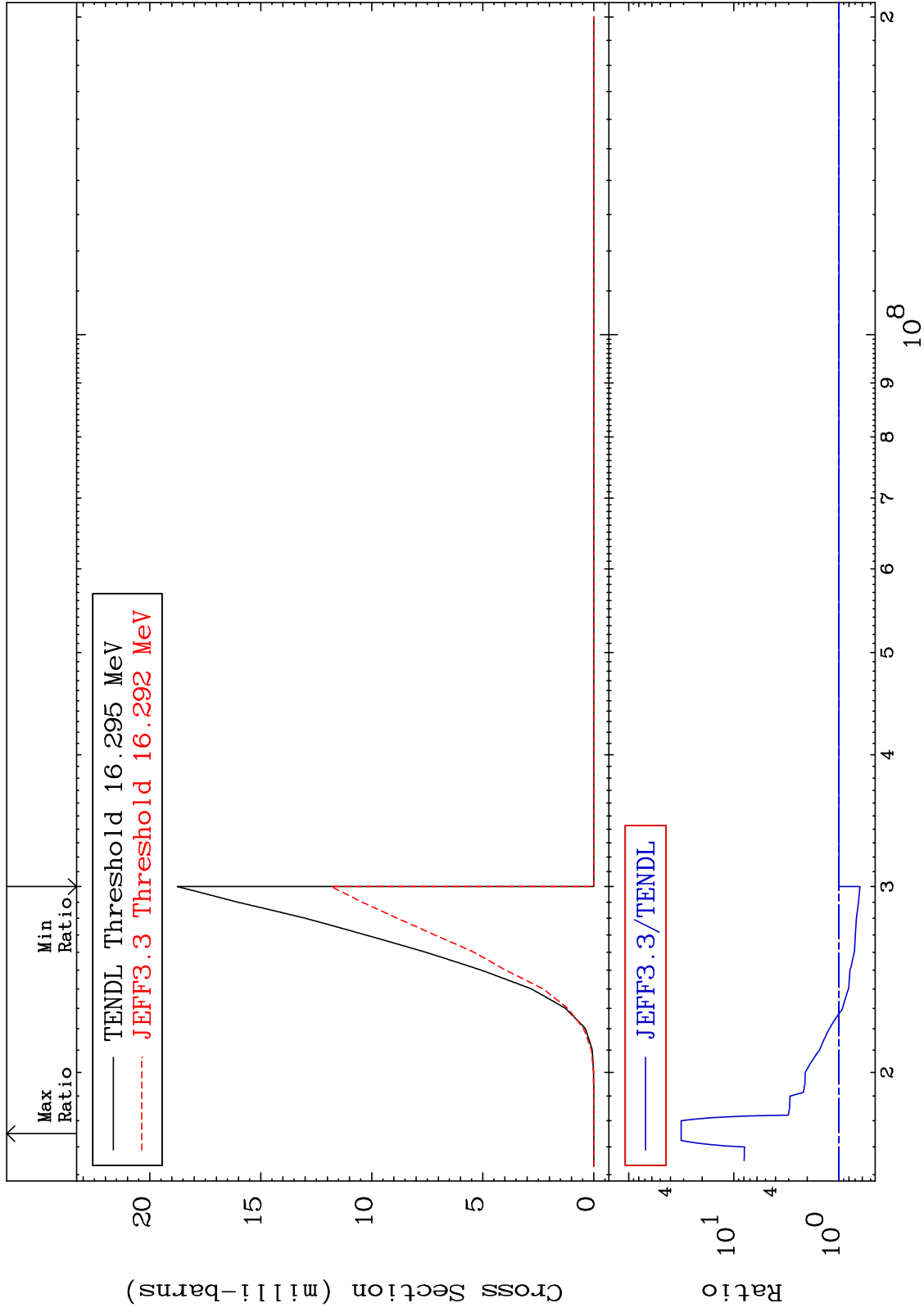


MAT 4440

(n,2n) p:43-Tc-99m2

44-Ru-101

Radionuclide Production Cross Section -36.95 To 3059. %

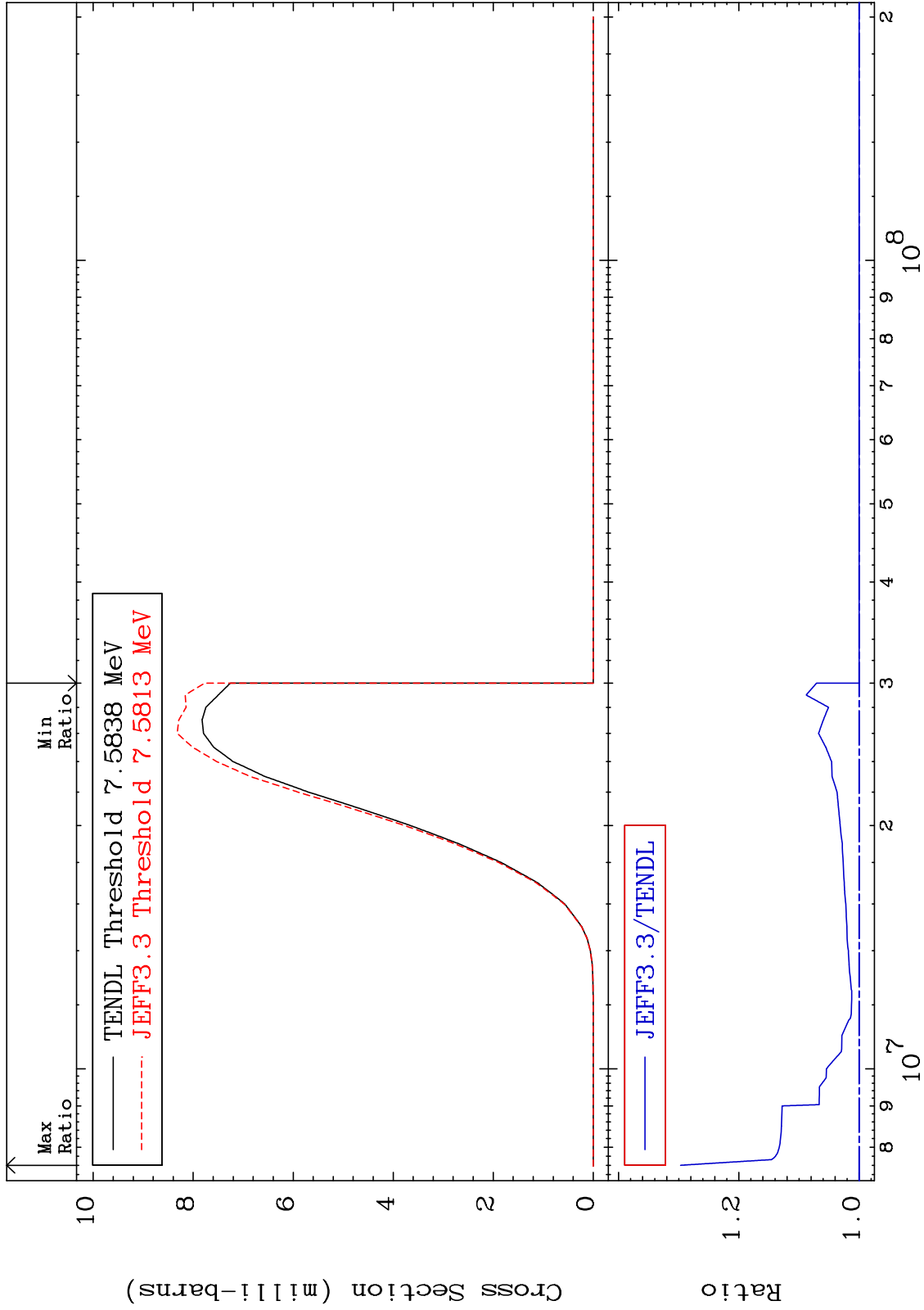


MAT 4440

(n, t) : 43-Tc-99g

44-Ru-101

Radionuclide Production Cross Section 0.000 To 29.69 %

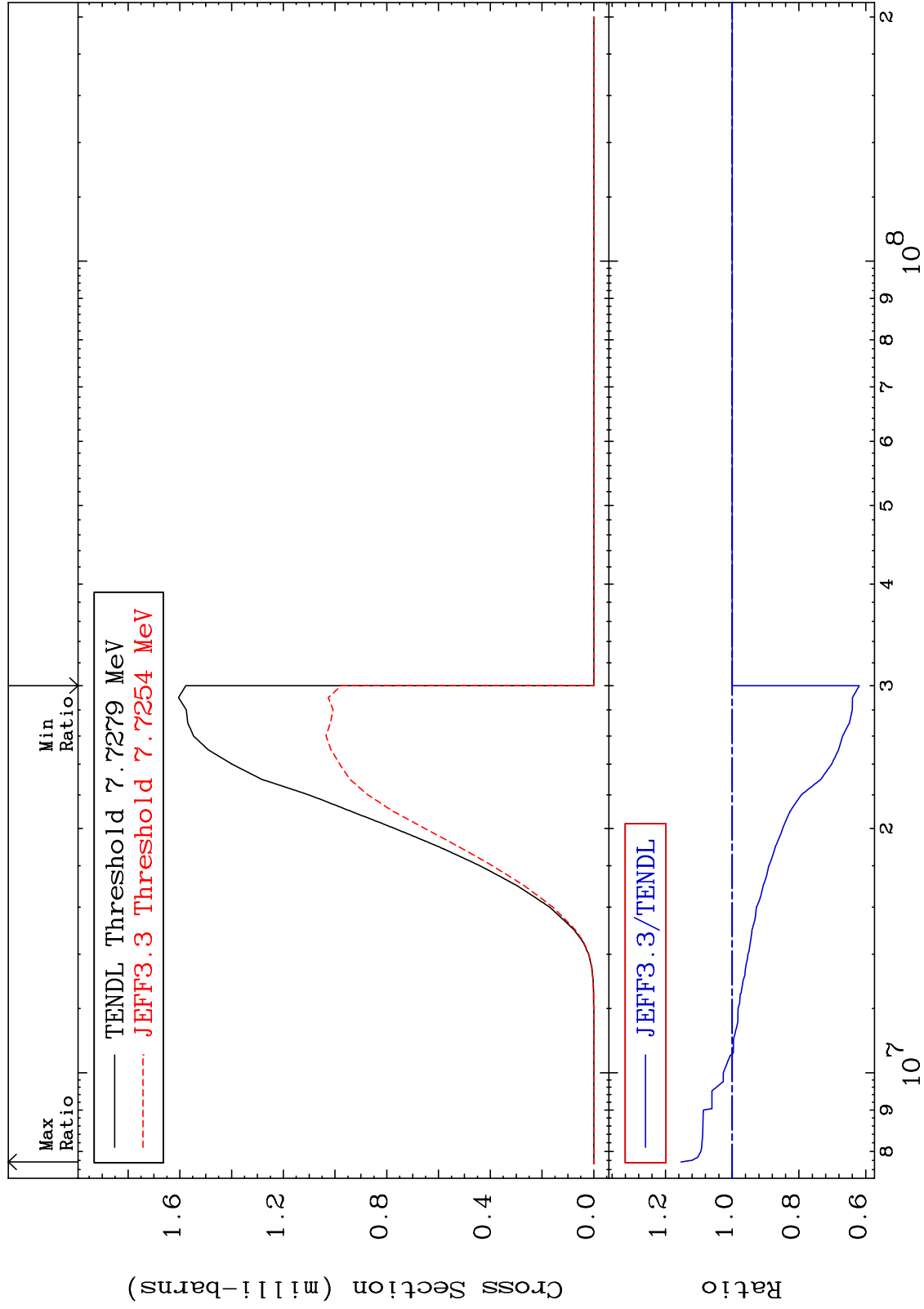


MAT 4440

(n, t): 43-Tc-99m2

44-Ru-101

Radionuclide Production Cross Section -38.08 To 15.32 %

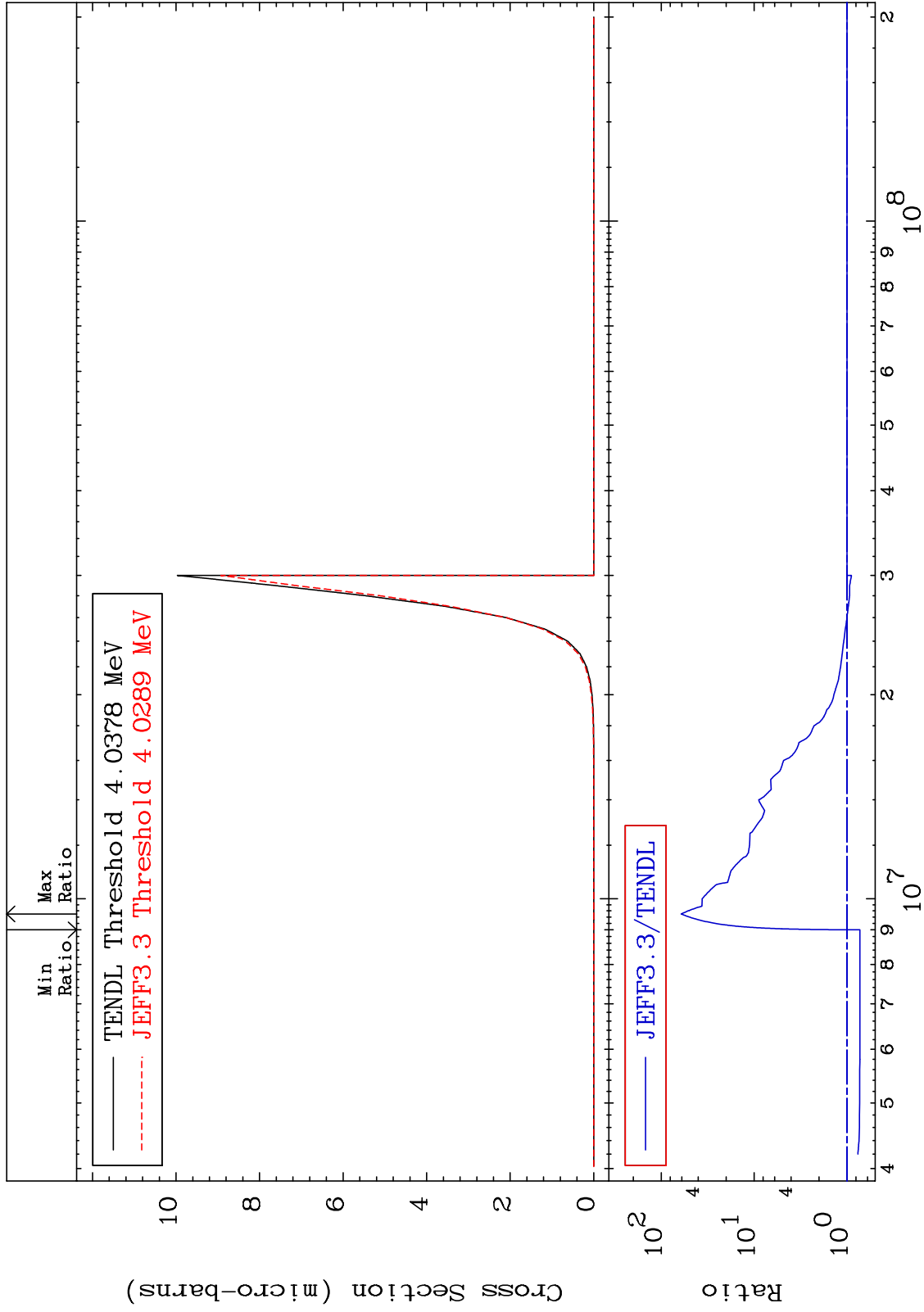


MAT 4440

(n, p) α :41-Nb-97g

44-Ru-101

Radionuclide Production Cross Section -27.45 To 5988. %

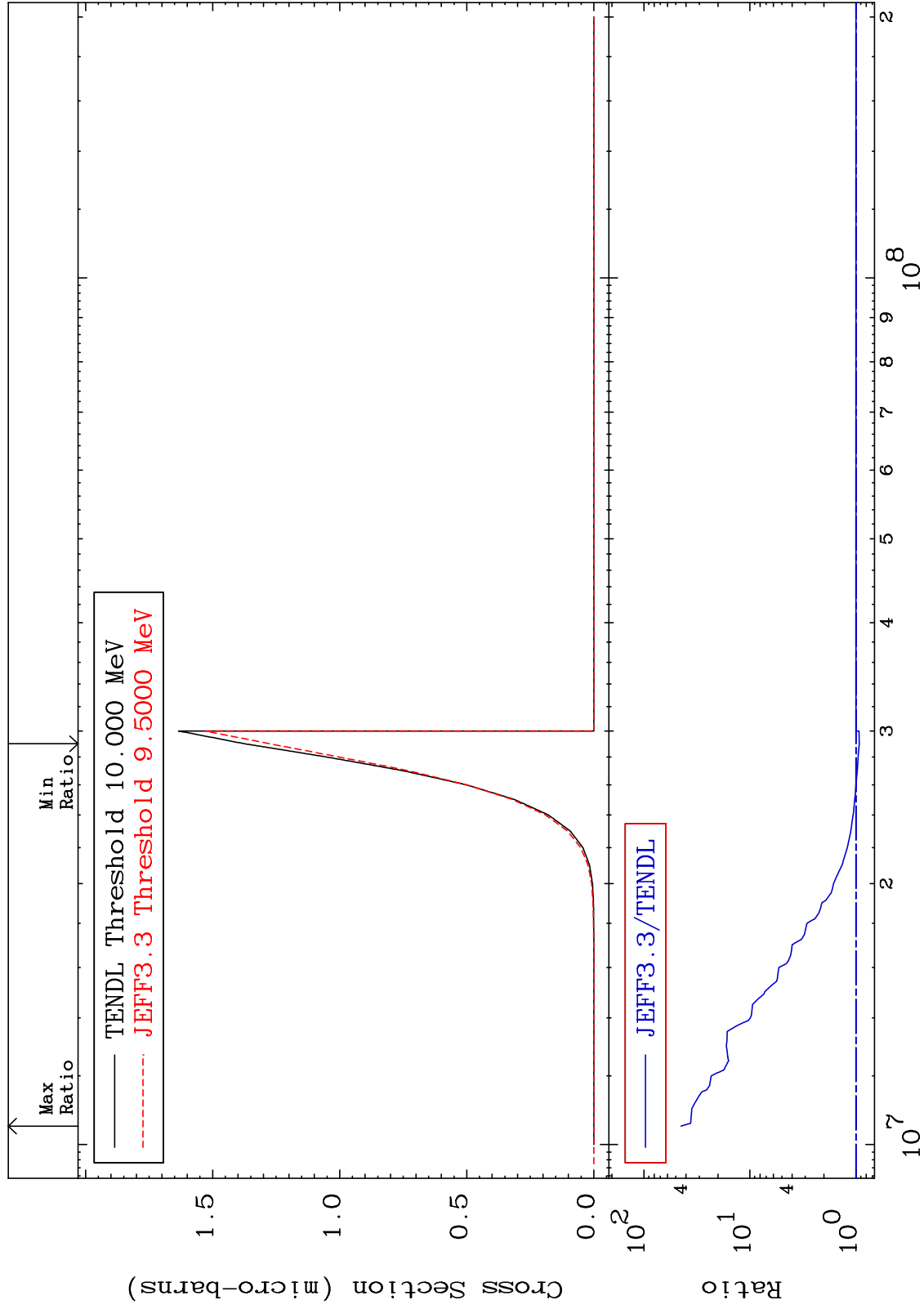


MAT 4440

(n, p) α : 41-Nb-97m1

44-Ru-101

Radionuclide Production Cross Section -7.137 To 4360. %



87

Incident Energy (eV)

44-Ru-101