

Program Complot
(Version 2018-1)

by

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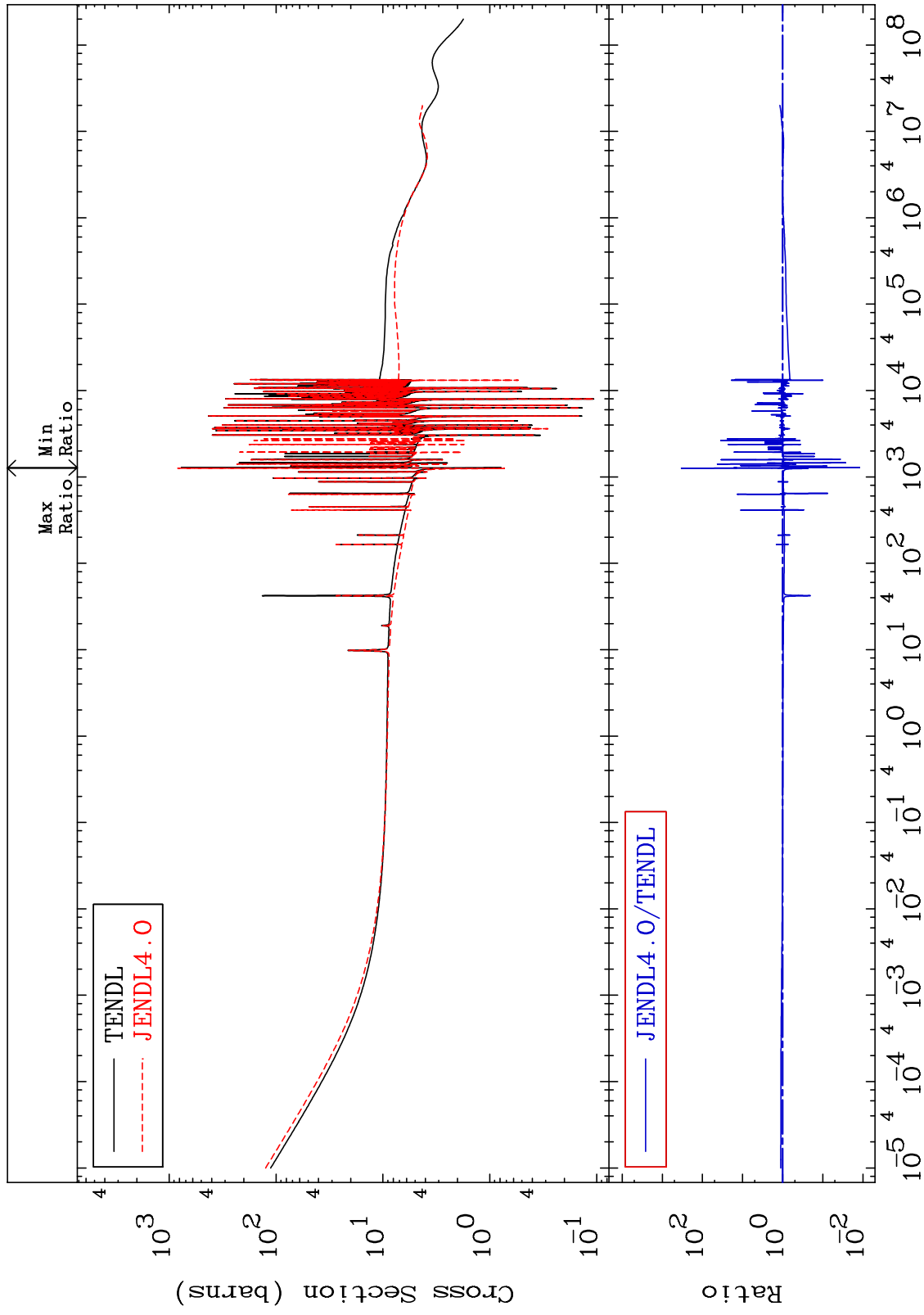
Press Mouse Button to Start

MAT 4443

Total
Cross Section

44-Ru-102

-98.80 To 9999. %



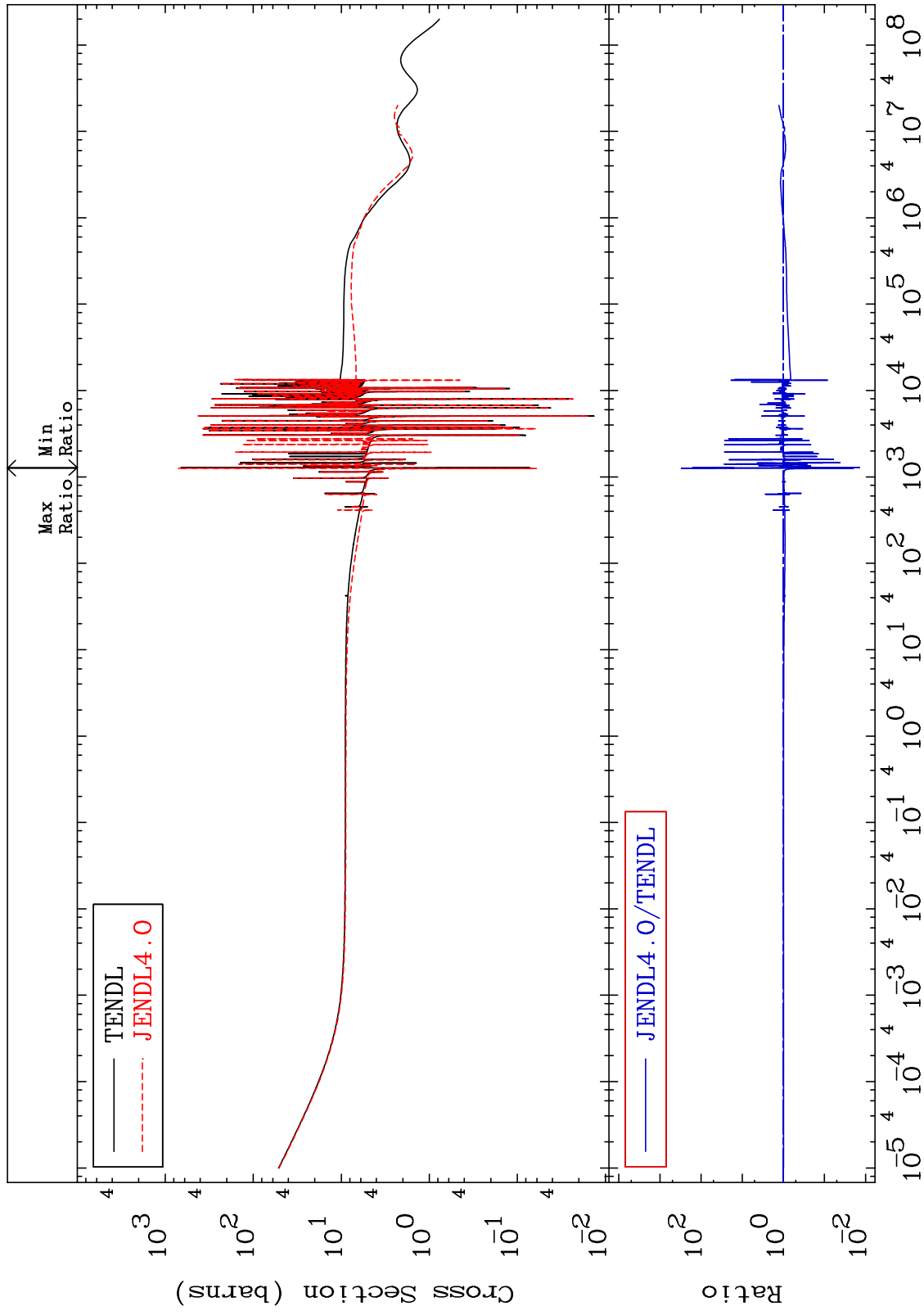
Incident Energy (eV)

44-Ru-102

MAT 4443

Elastic
Cross Section

44-Ru-102
-98.61 To 9999. %

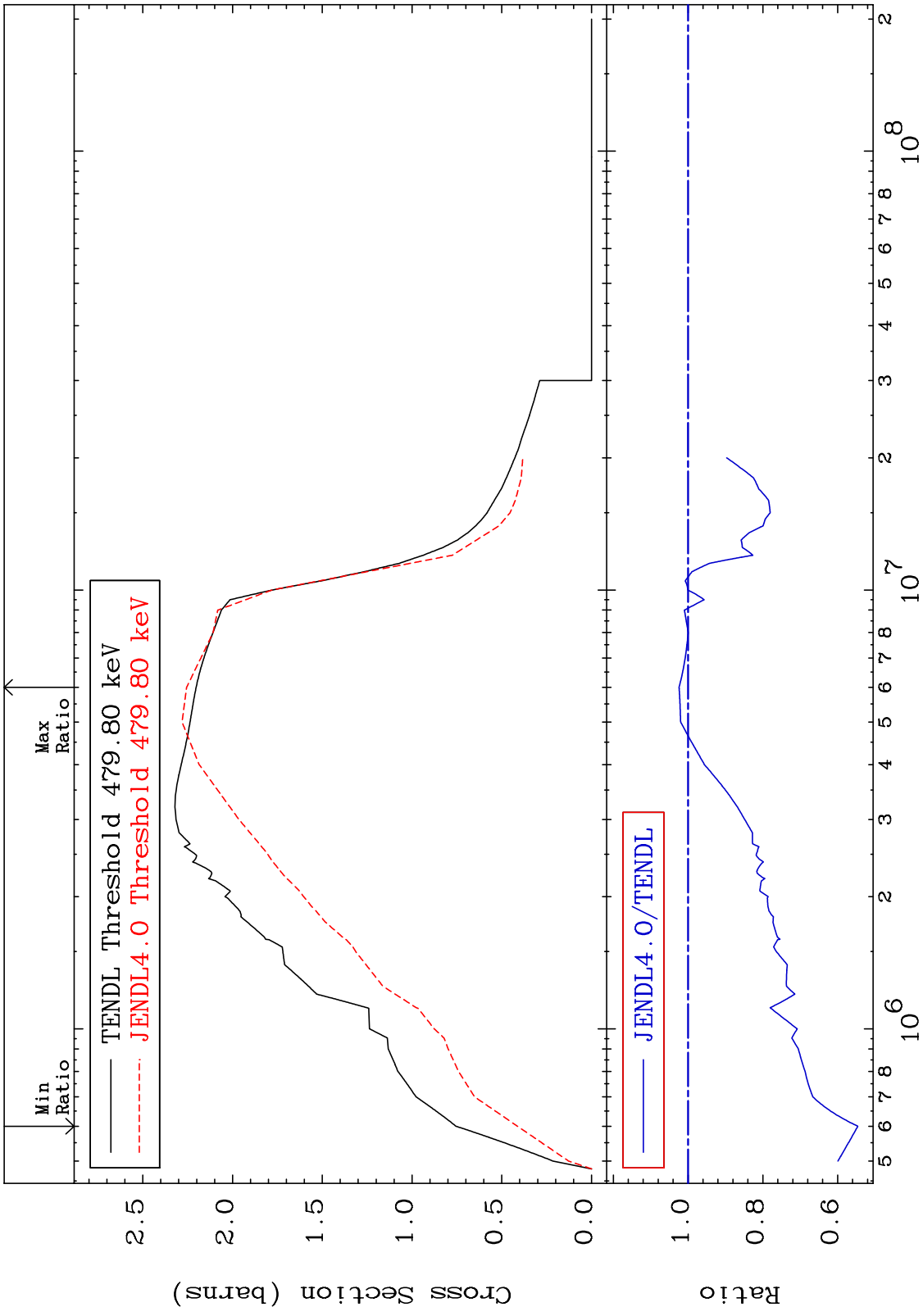


2

Incident Energy (eV)

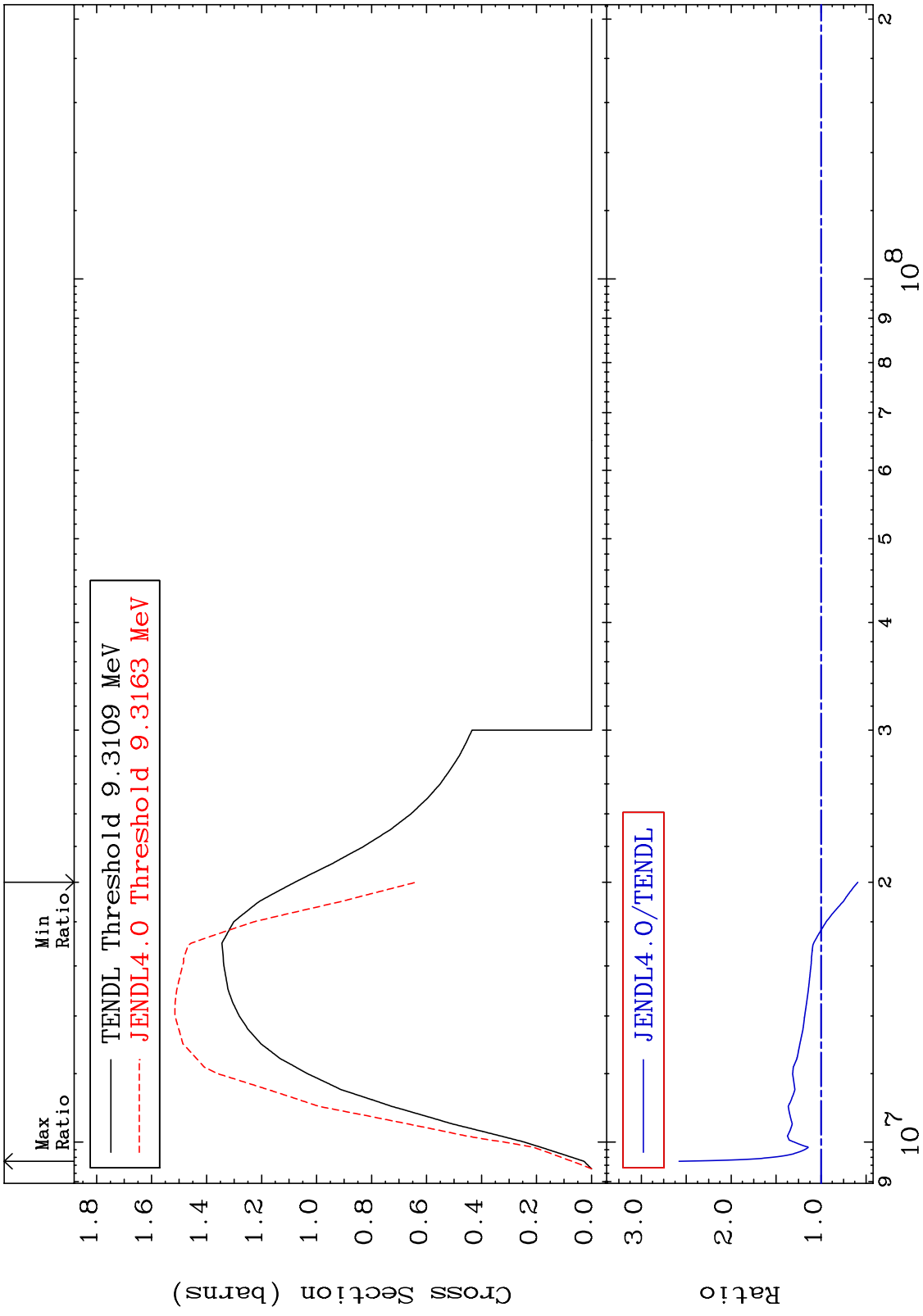
44-Ru-102

MAT 4443 44-Ru-102 -45.40 To 2.416 % Inelastic Cross Section



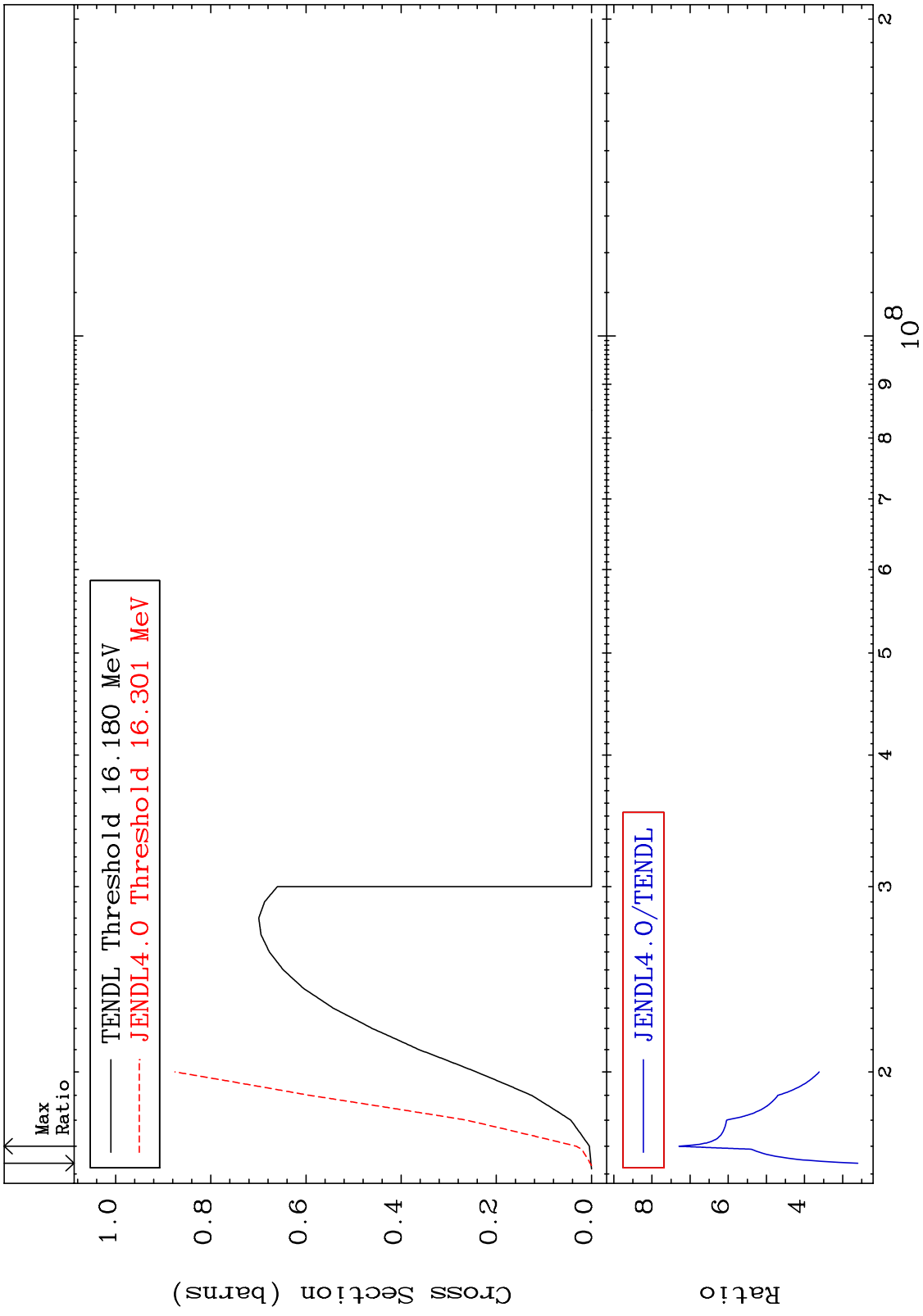
3 44-Ru-102

MAT 4443 (n,2n) Cross Section 44-Ru-102 -40.92 To 158.0 %

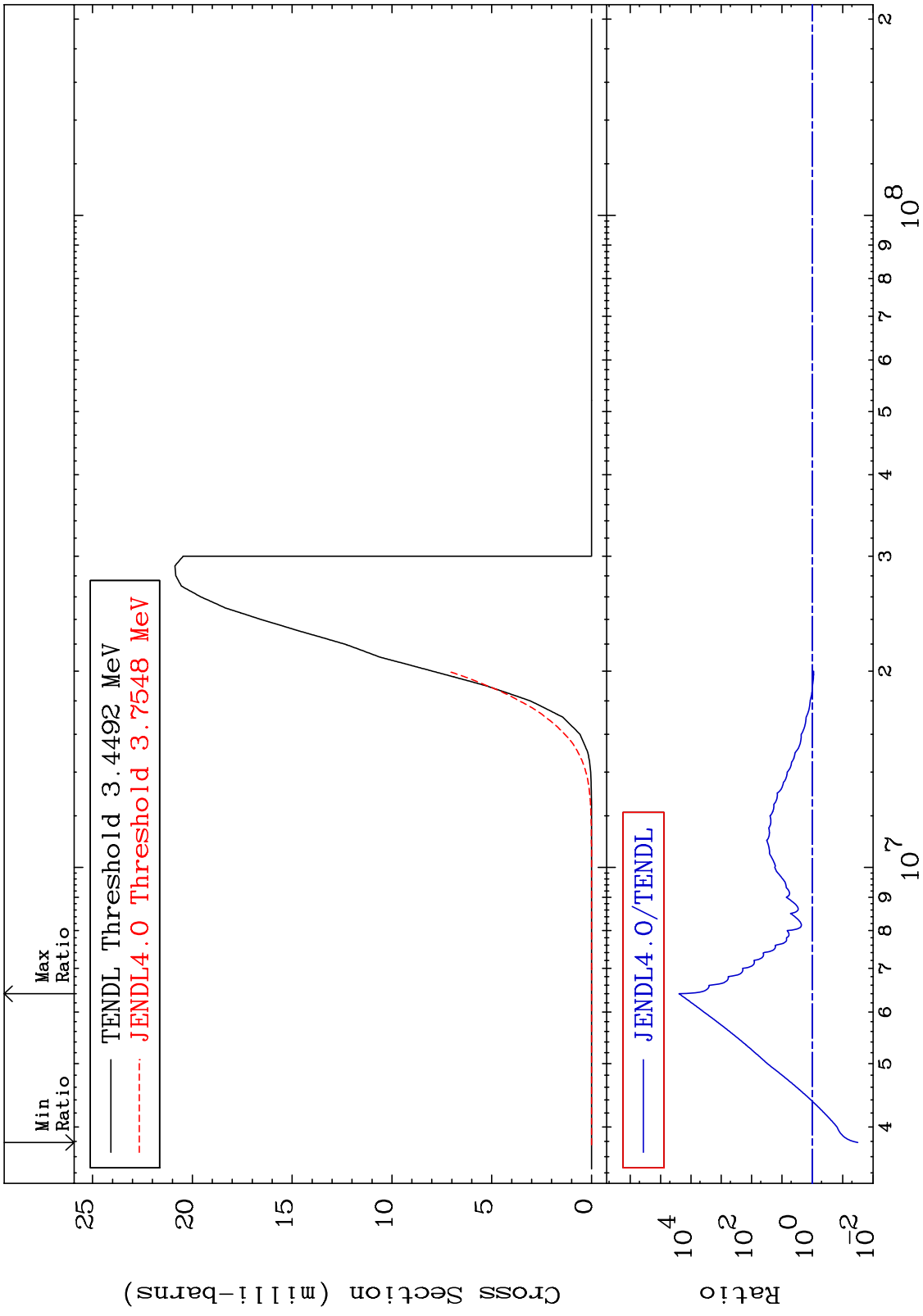


44-Ru-102

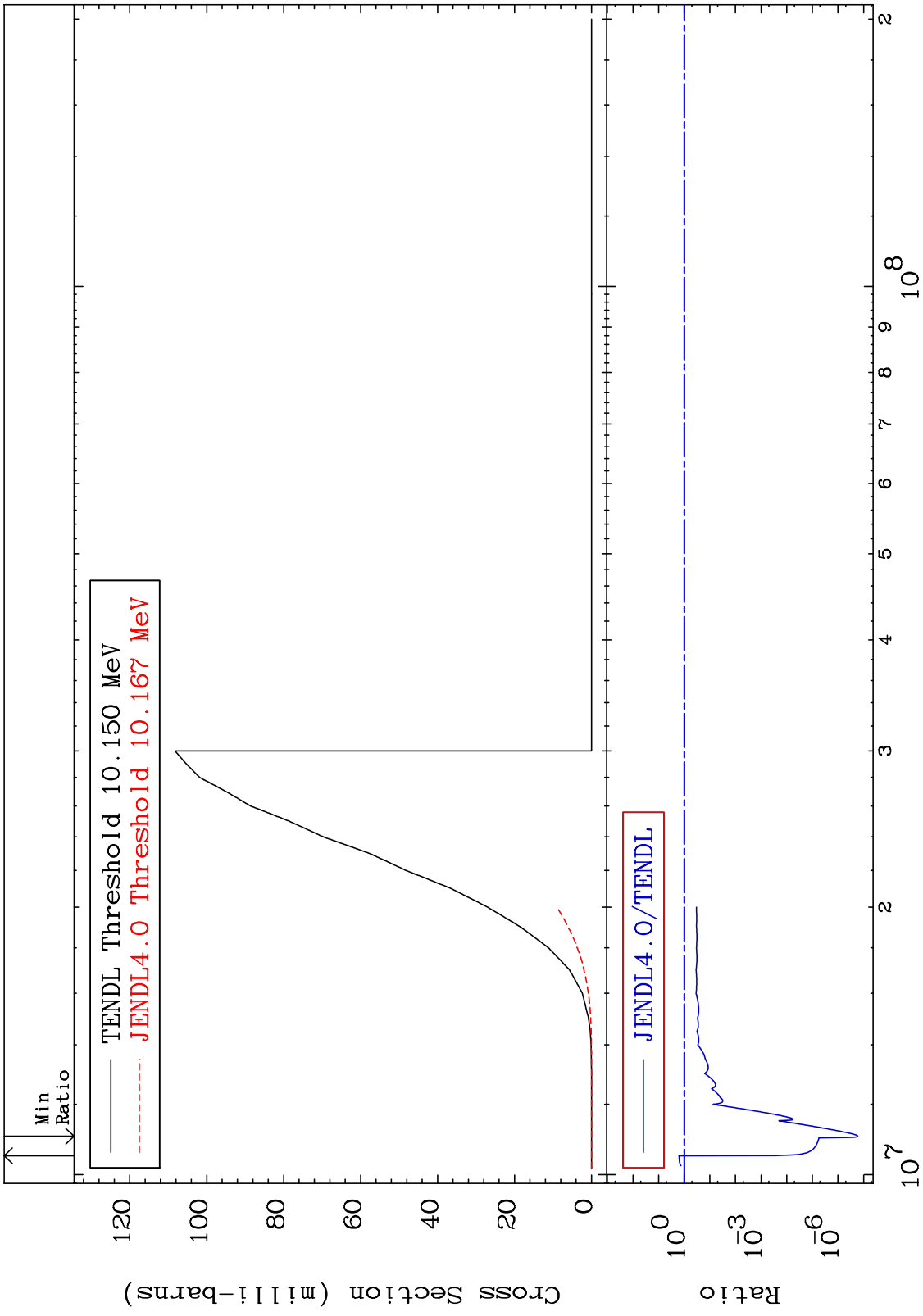
MAT 4443 (n,3n) Cross Section 44-Ru-102 160.3 To 629.0 %



MAT 4443 $(n, n') \alpha$ 44-Ru-102
 Cross Section -96.84 To 9999. %

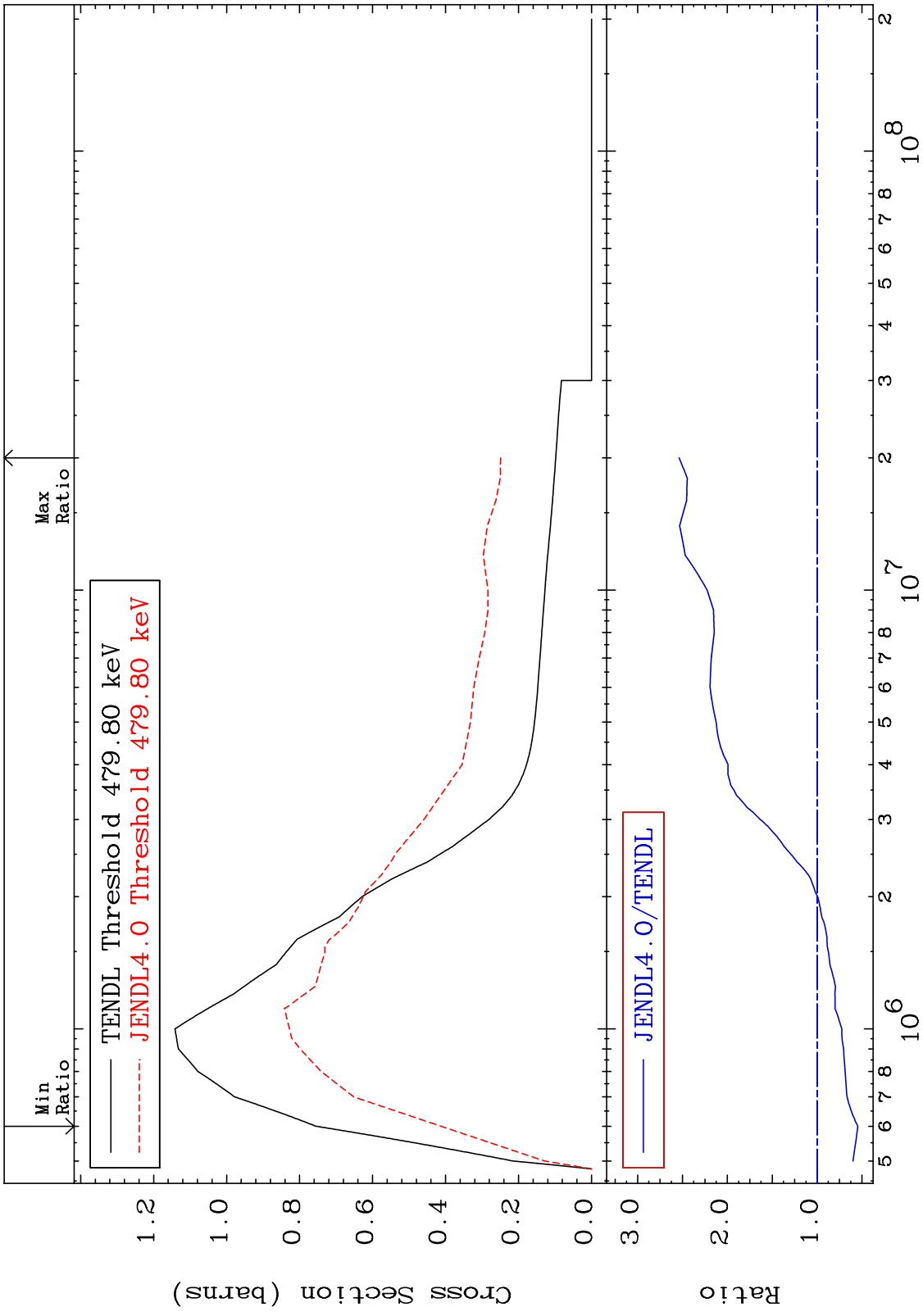


MAT 4443 (n,n') p 44-Ru-102
Cross Section -100.0 To 59.22 %



Incident Energy (eV) 44-Ru-102

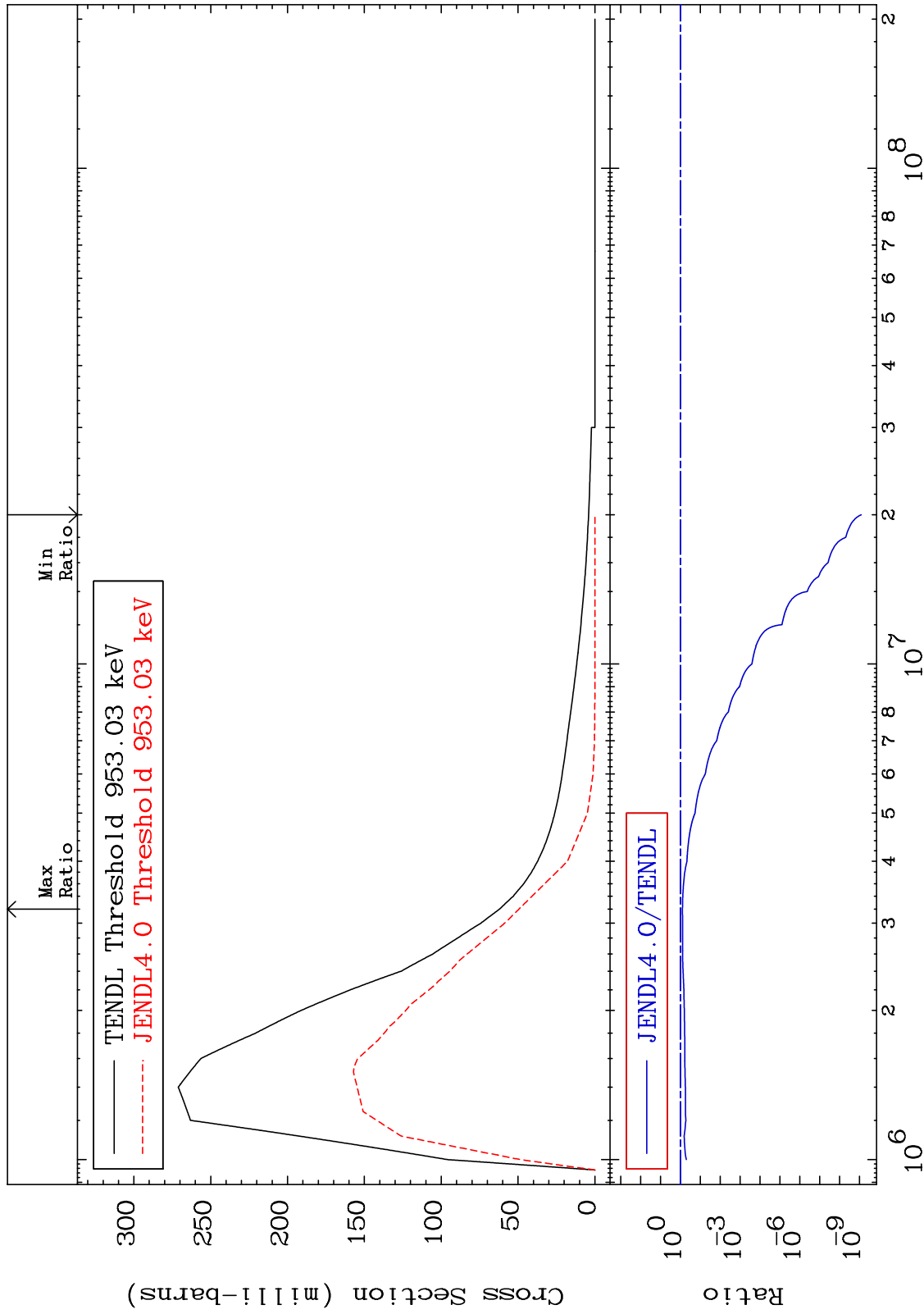
MAT 4443 MT= 51 (n,n') Level Cross Section 44-Ru-102
 -45.40 To 153.8 %



MAT 4443

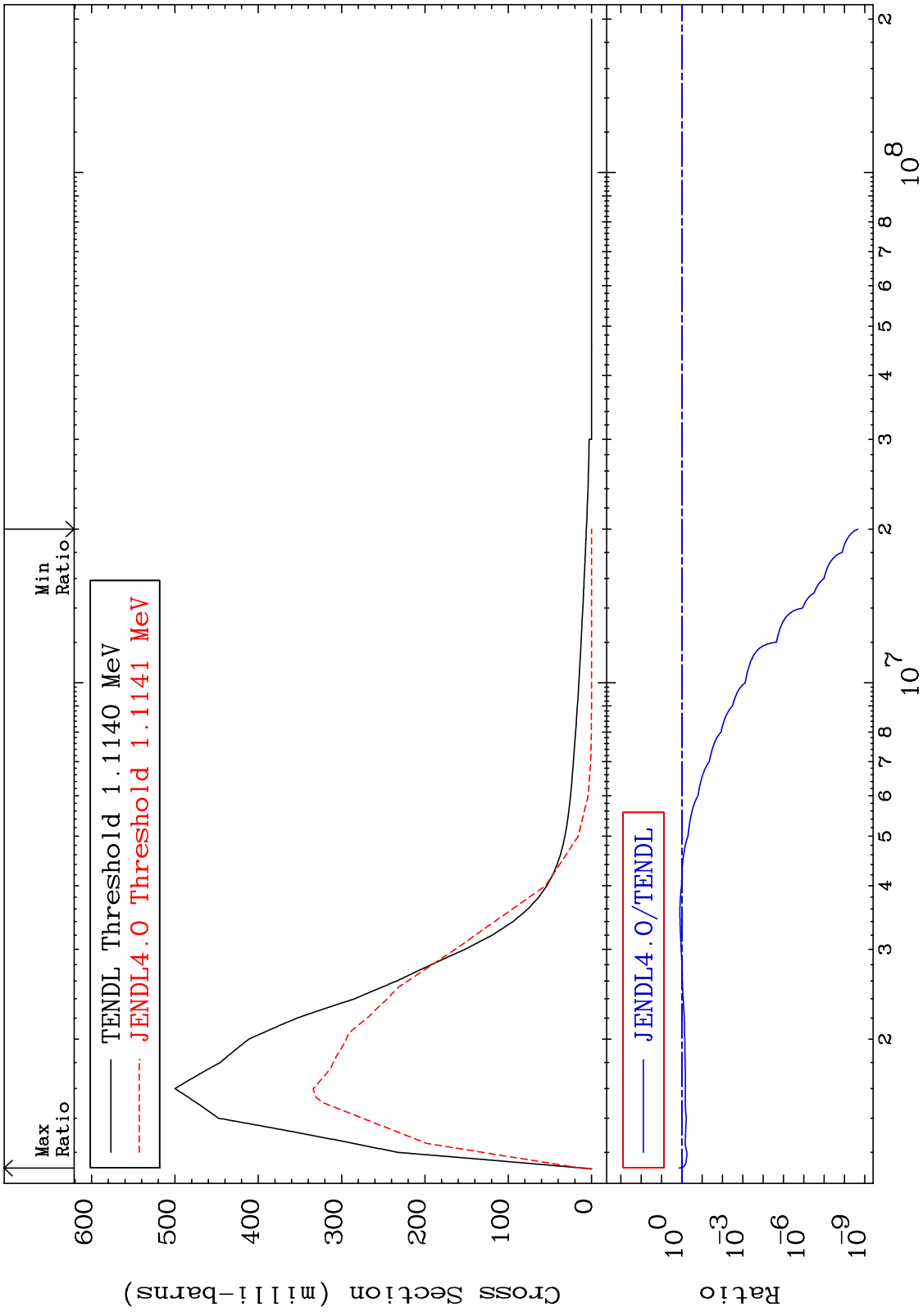
MT= 52 (n,n') Level
Cross Section

44-Ru-102
-100.0 To -20.31%



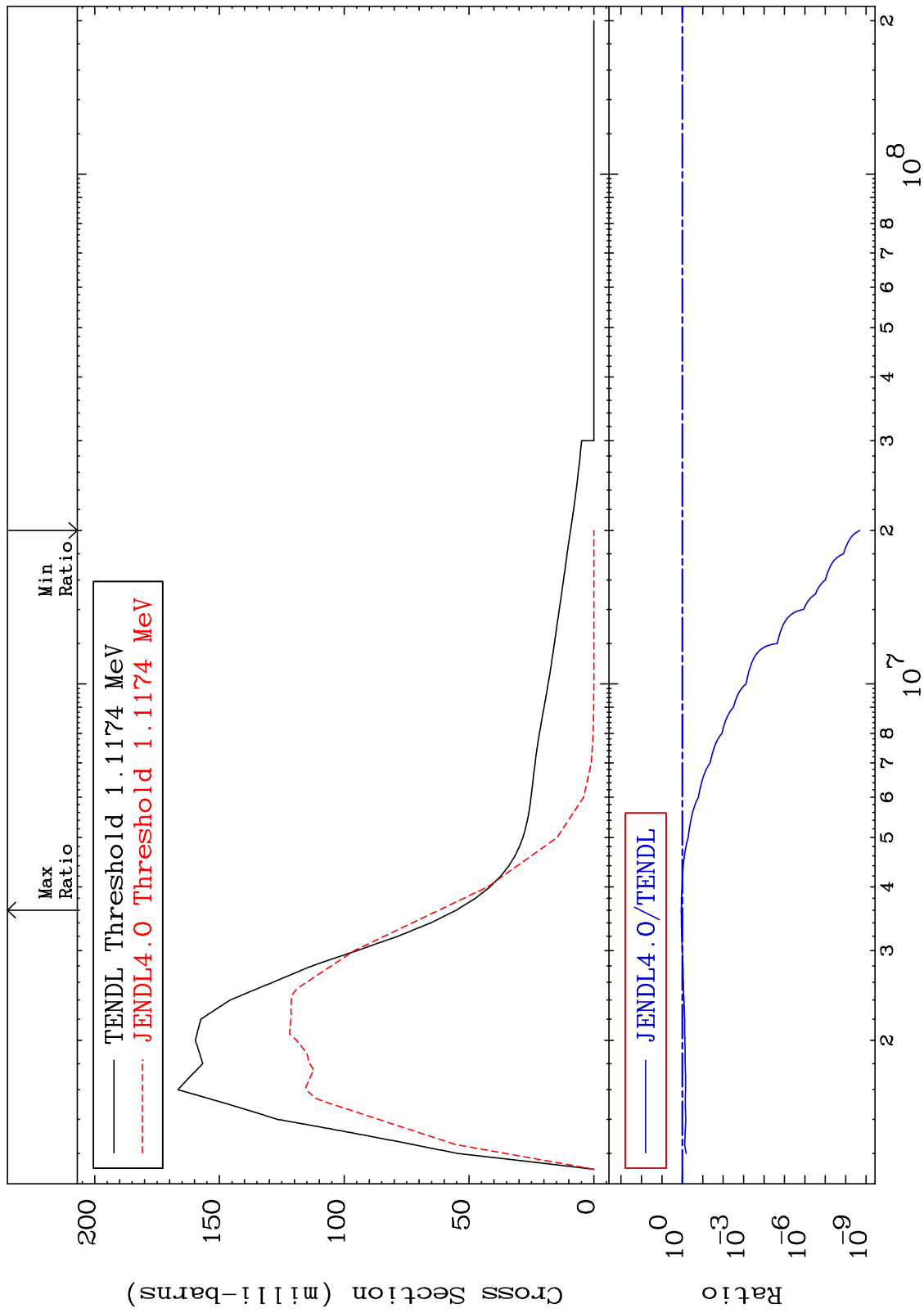
44-Ru-102

MAT 4443 MT= 53 (n, n') Level Cross Section 44-Ru-102 -100.0 To 37.16 %



10 44-Ru-102

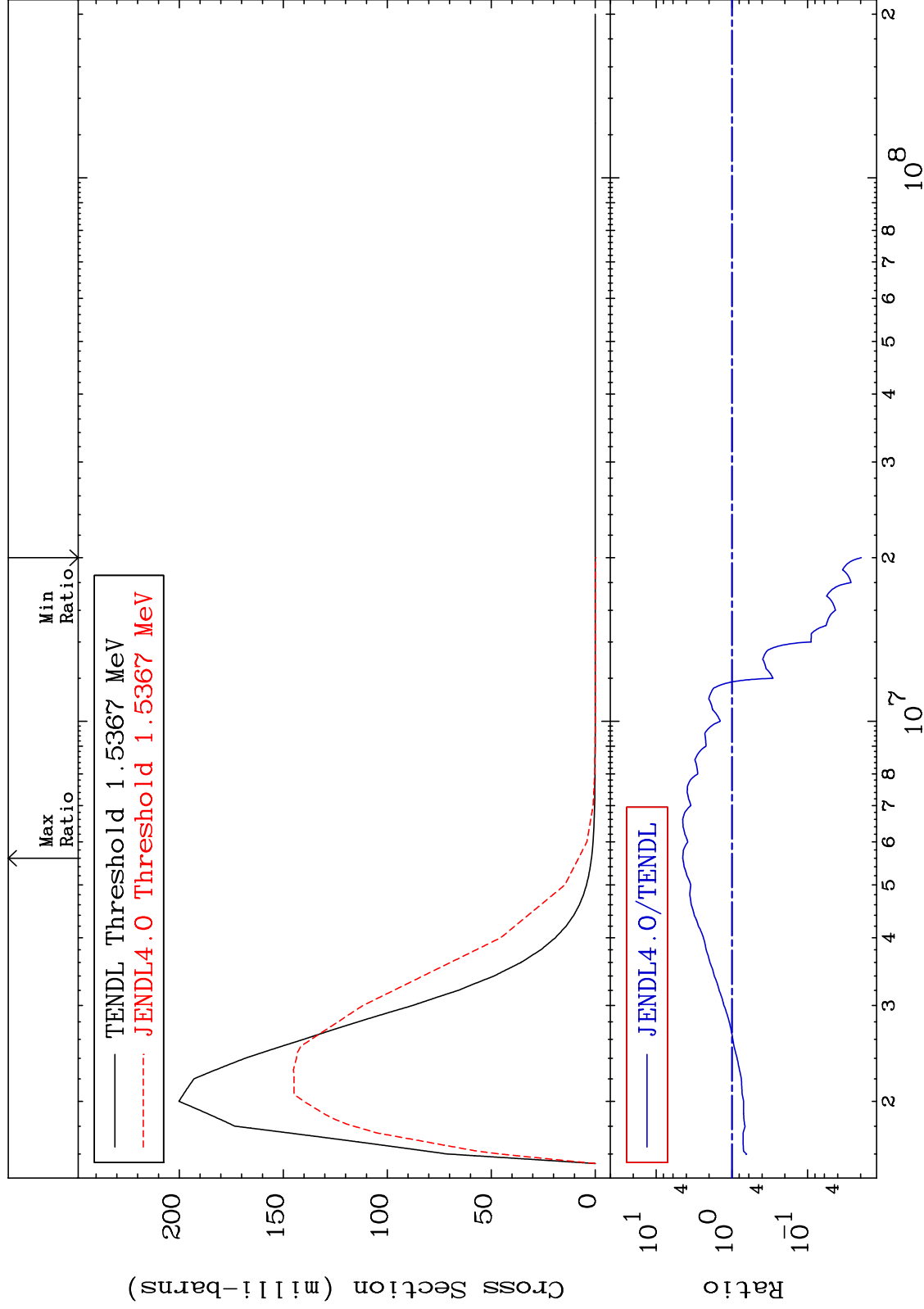
MAT 4443 MT= 54 (n, n') Level Cross Section 44-Ru-102 -100.0 To 12.71 %



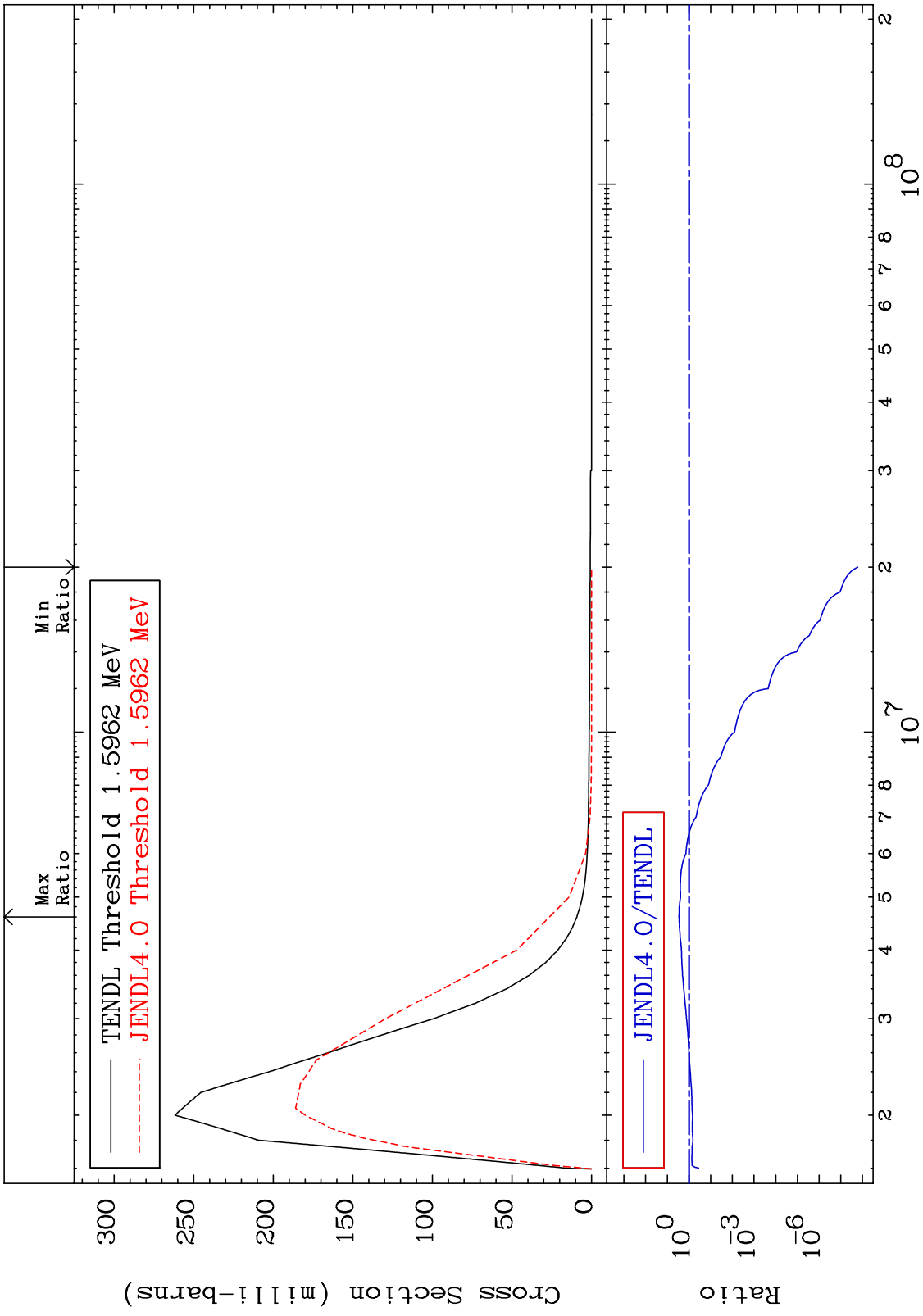
MAT 4443

MT= 55 (n,n') Level
Cross Section

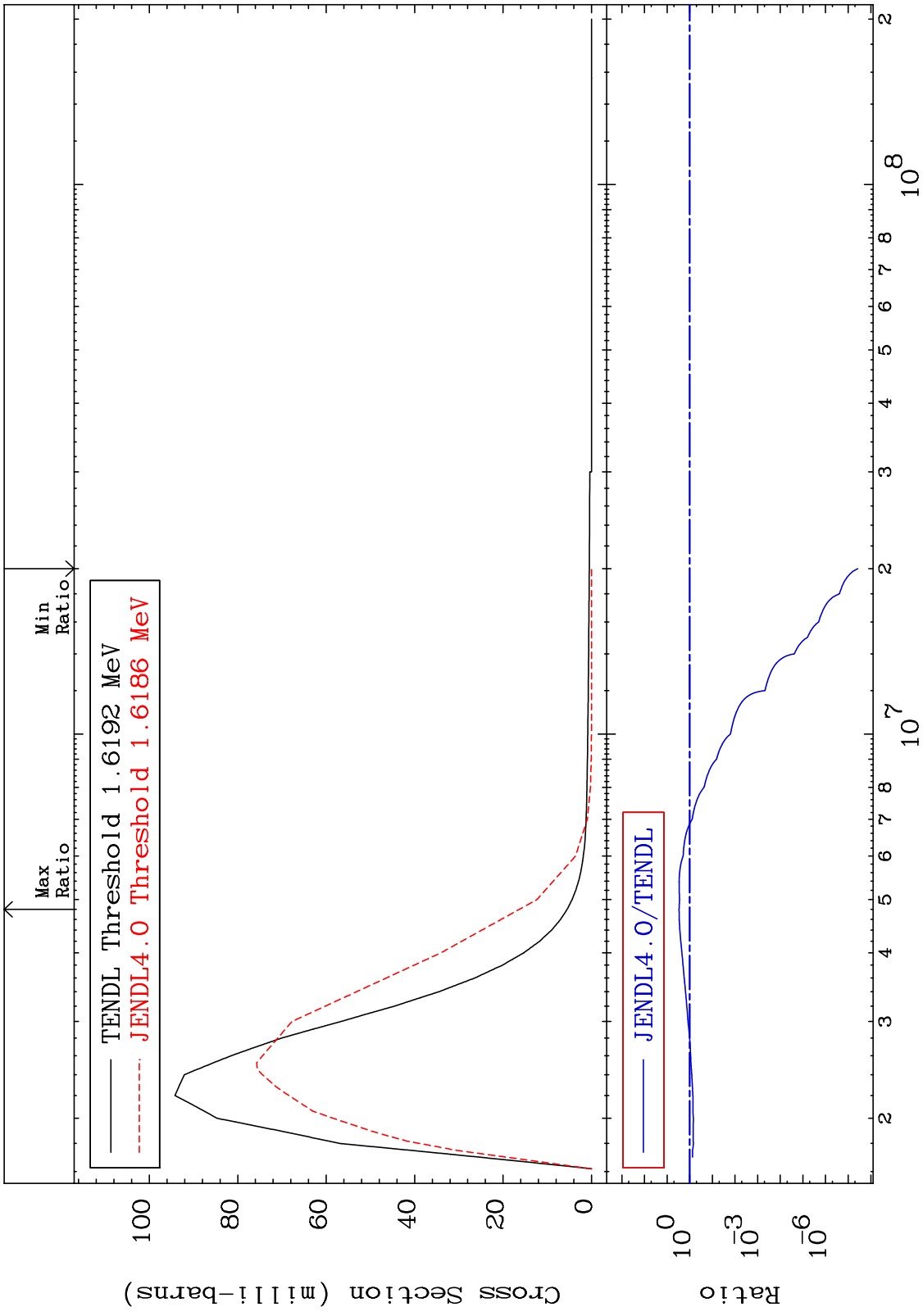
44-Ru-102
-98.04 To 346.2 %



MAT 4443 MT= 56 (n,n') Level Cross Section 44-Ru-102 -100.0 To 187.1 %



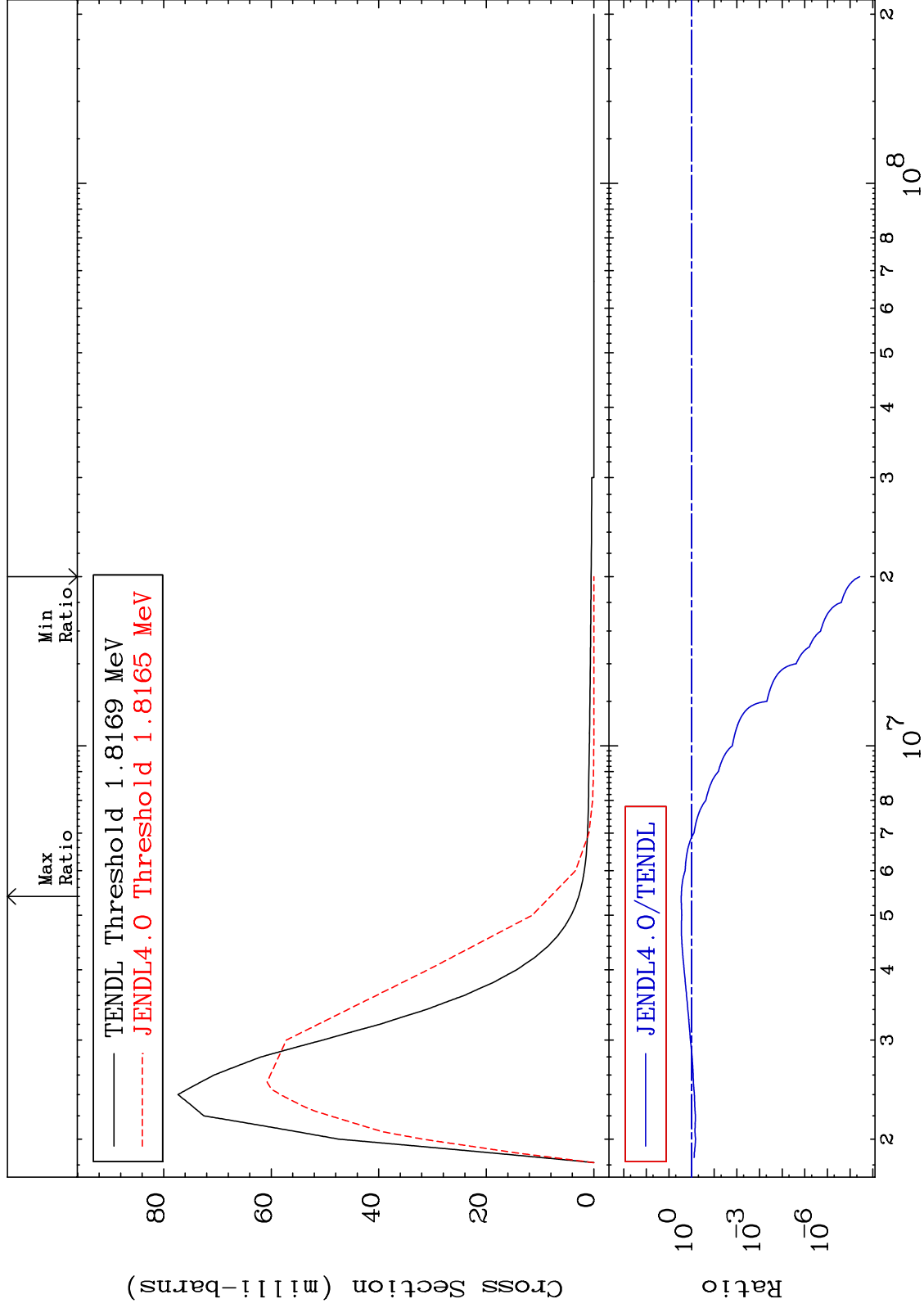
MAT 4443 MT= 57 (n,n') Level Cross Section 44-Ru-102 -100.0 To 196.3 %



MAT 4443

MT= 58 (n,n') Level
Cross Section

44-Ru-102
-100.0 To 186.3 %



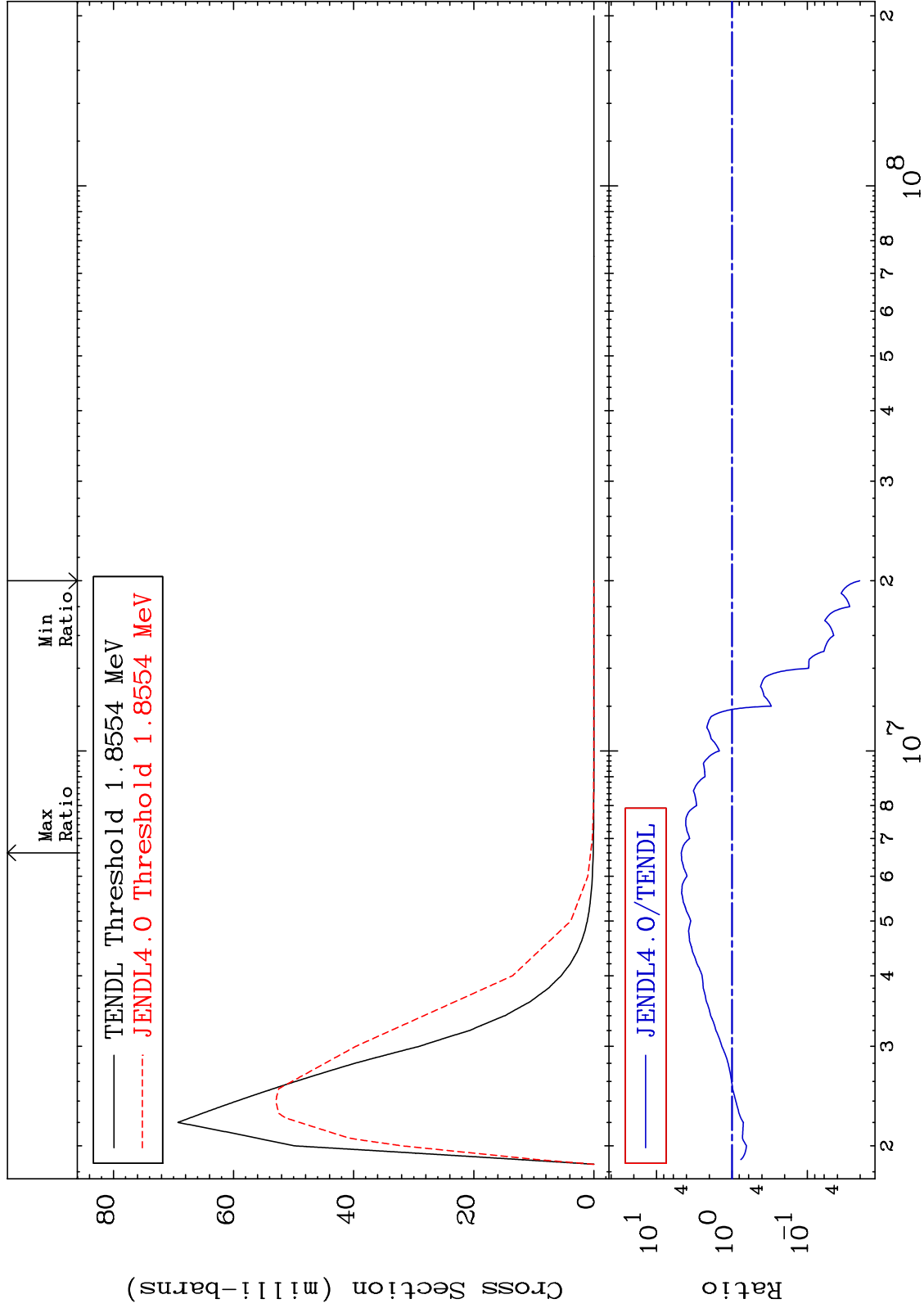
15

44-Ru-102

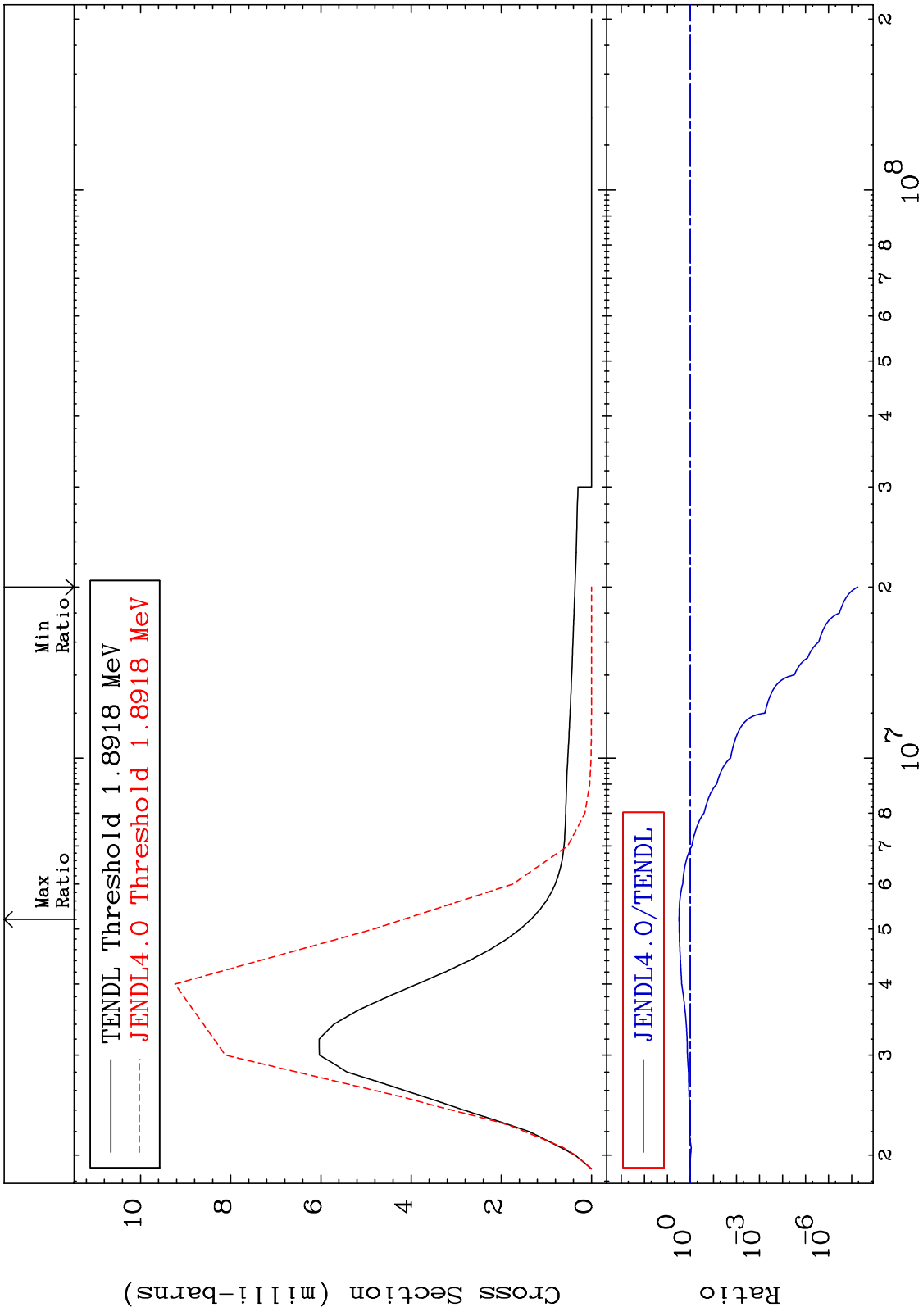
MAT 4443

MT= 59 (n,n') Level
Cross Section

44-Ru-102
-97.97 To 369.7 %



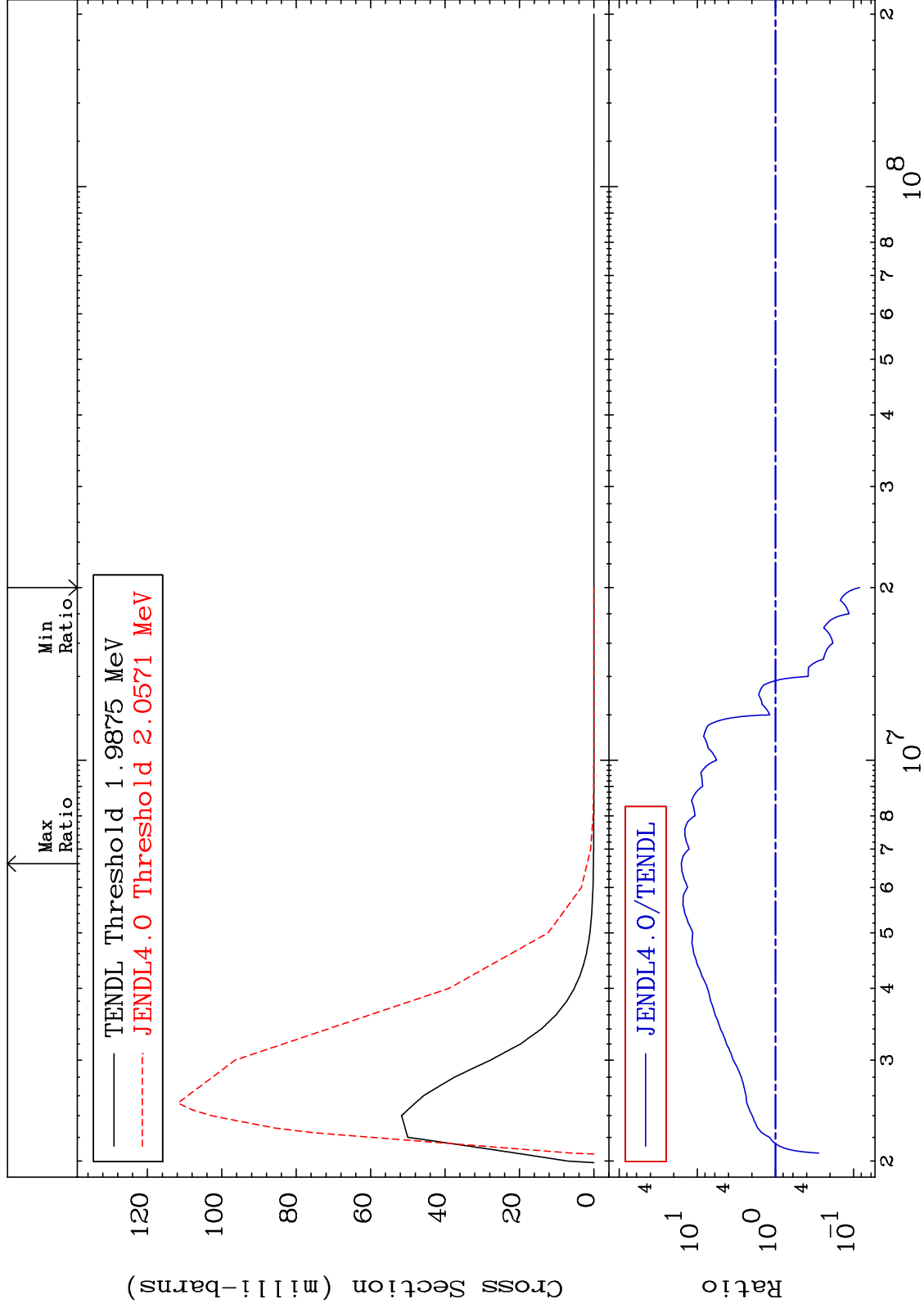
MAT 4443 MT= 60 (n,n') Level Cross Section 44-Ru-102 -100.0 To 211.0 %



MAT 4443

MT= 61 (n,n') Level
Cross Section

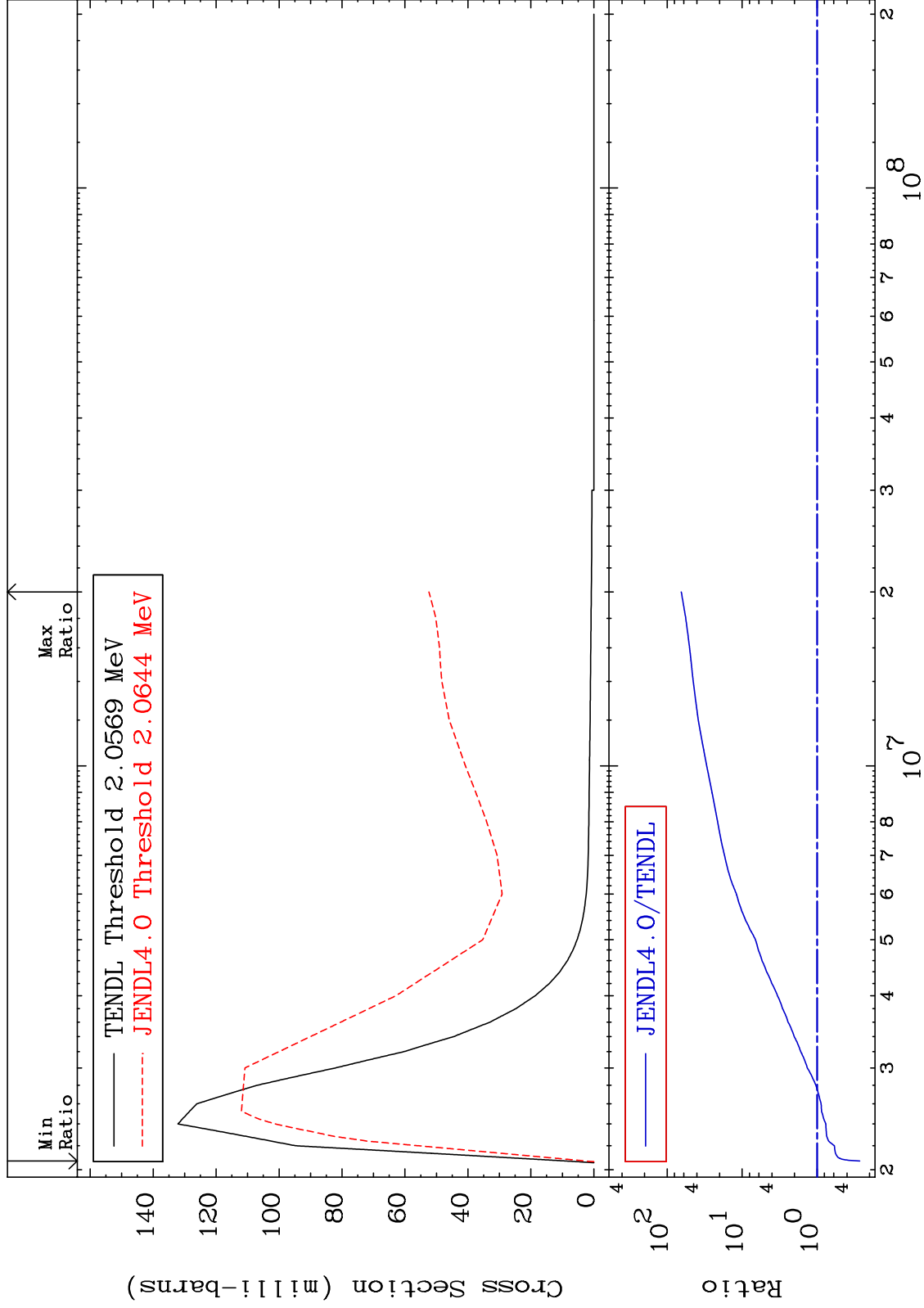
44-Ru-102
-91.65 To 1507. %



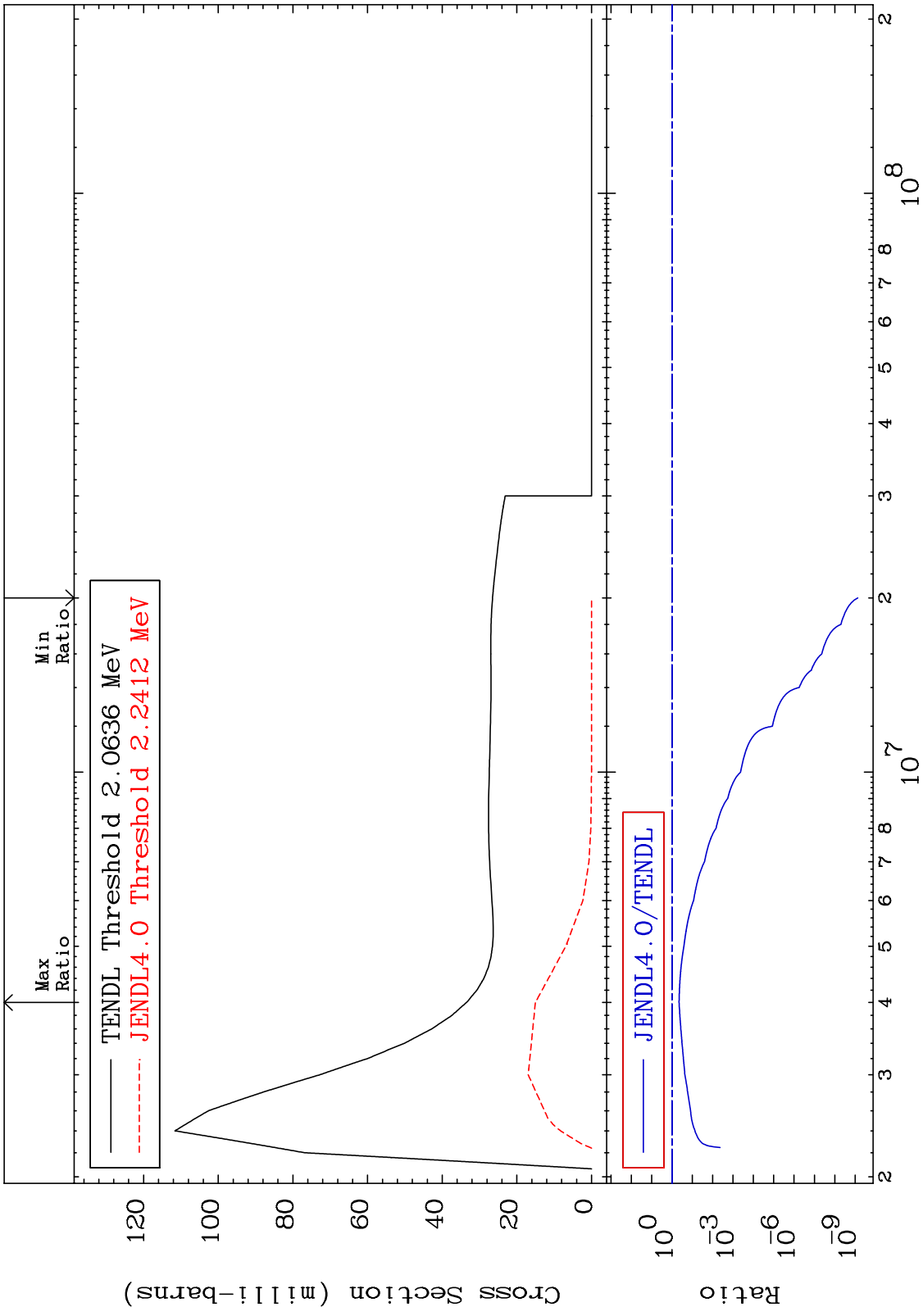
MAT 4443

MT= 62 (n,n') Level
Cross Section

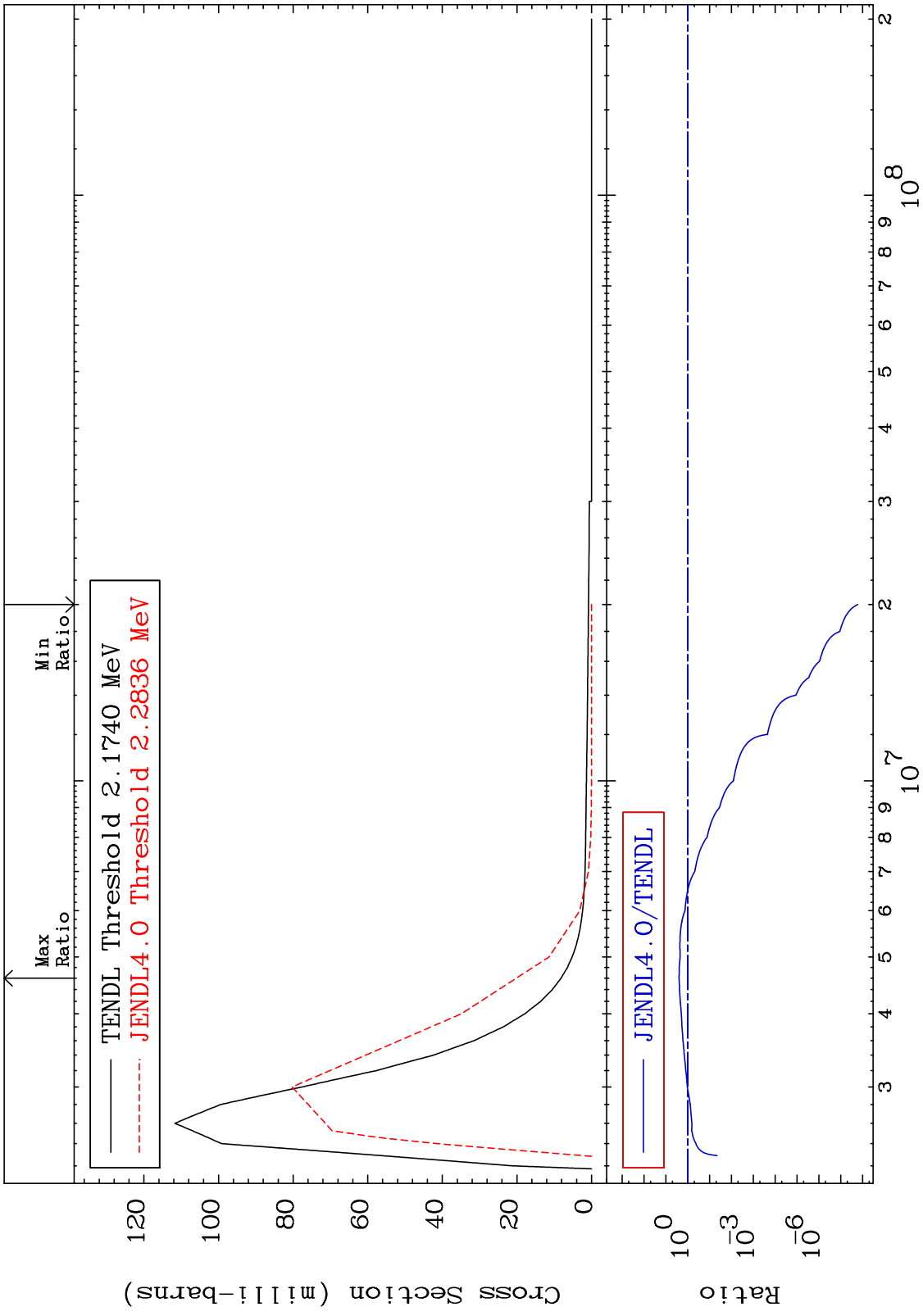
44-Ru-102
-72.97 To 6381. %



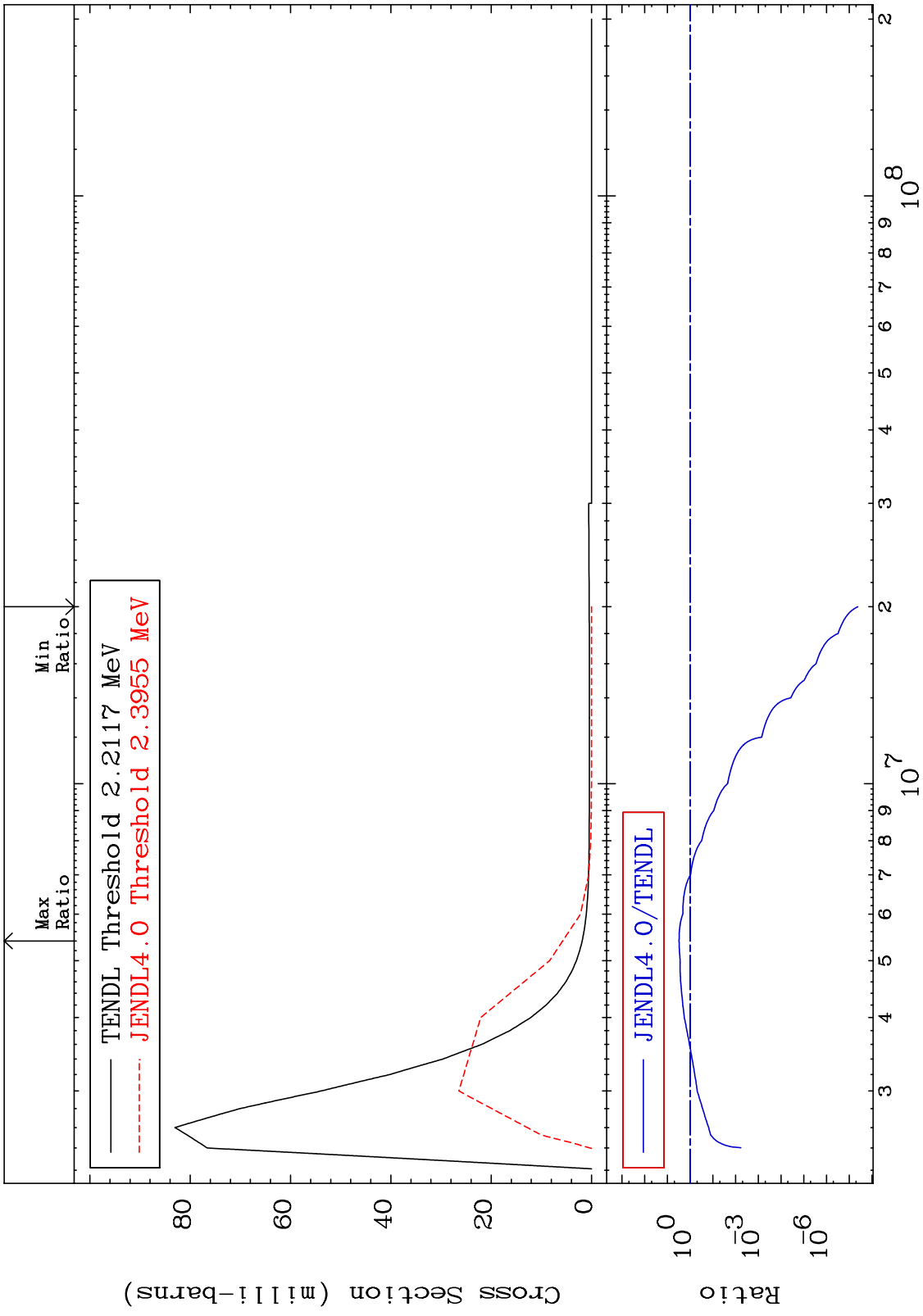
MAT 4443 MT= 63 (n,n') Level Cross Section 44-Ru-102 -100.0 To -55.07%



MAT 4443 MT= 64 (n,n') Level Cross Section 44-Ru-102 -100.0 To 147.0 %



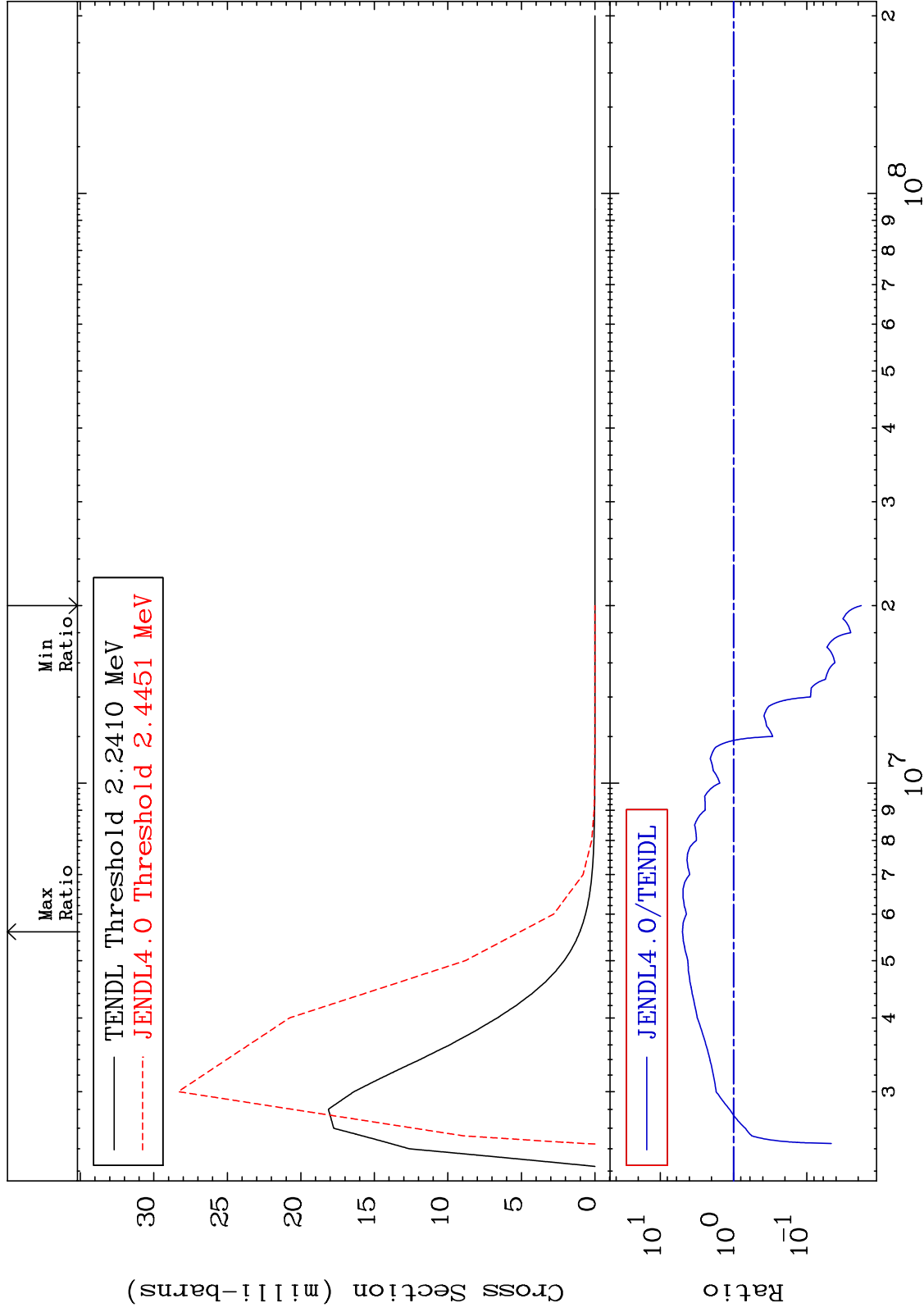
MAT 4443 MT= 65 (n,n') Level Cross Section 44-Ru-102
 -100.0 To 209.2 %



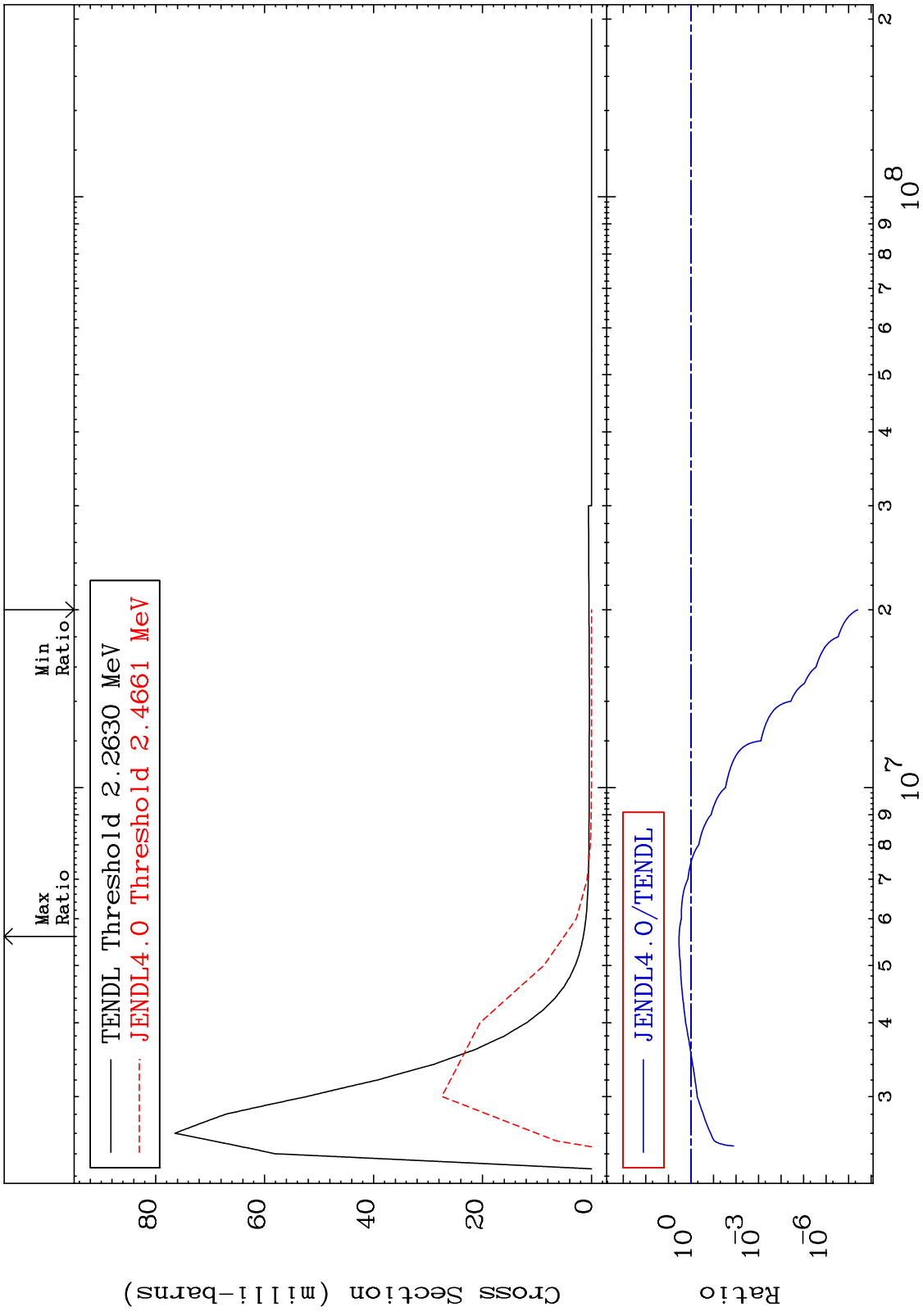
MAT 4443

MT= 66 (n,n') Level
Cross Section

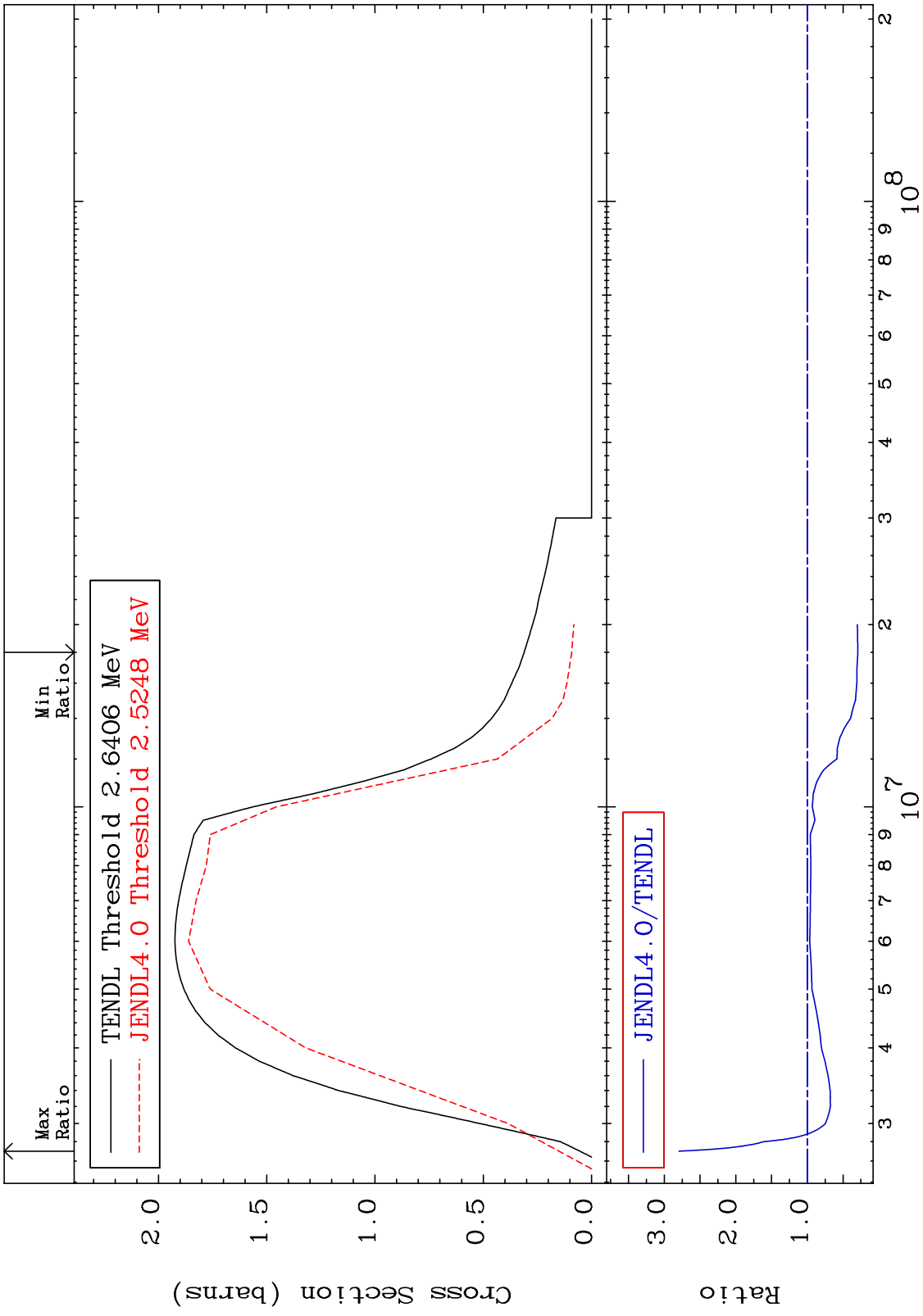
44-Ru-102
-98.19 To 398.4 %



MAT 4443 MT= 67 (n,n') Level Cross Section 44-Ru-102
 -100.0 To 236.3 %



MAT 4443 (n,n') Continuum Cross Section 44-Ru-102 -70.64 To 179.3 %



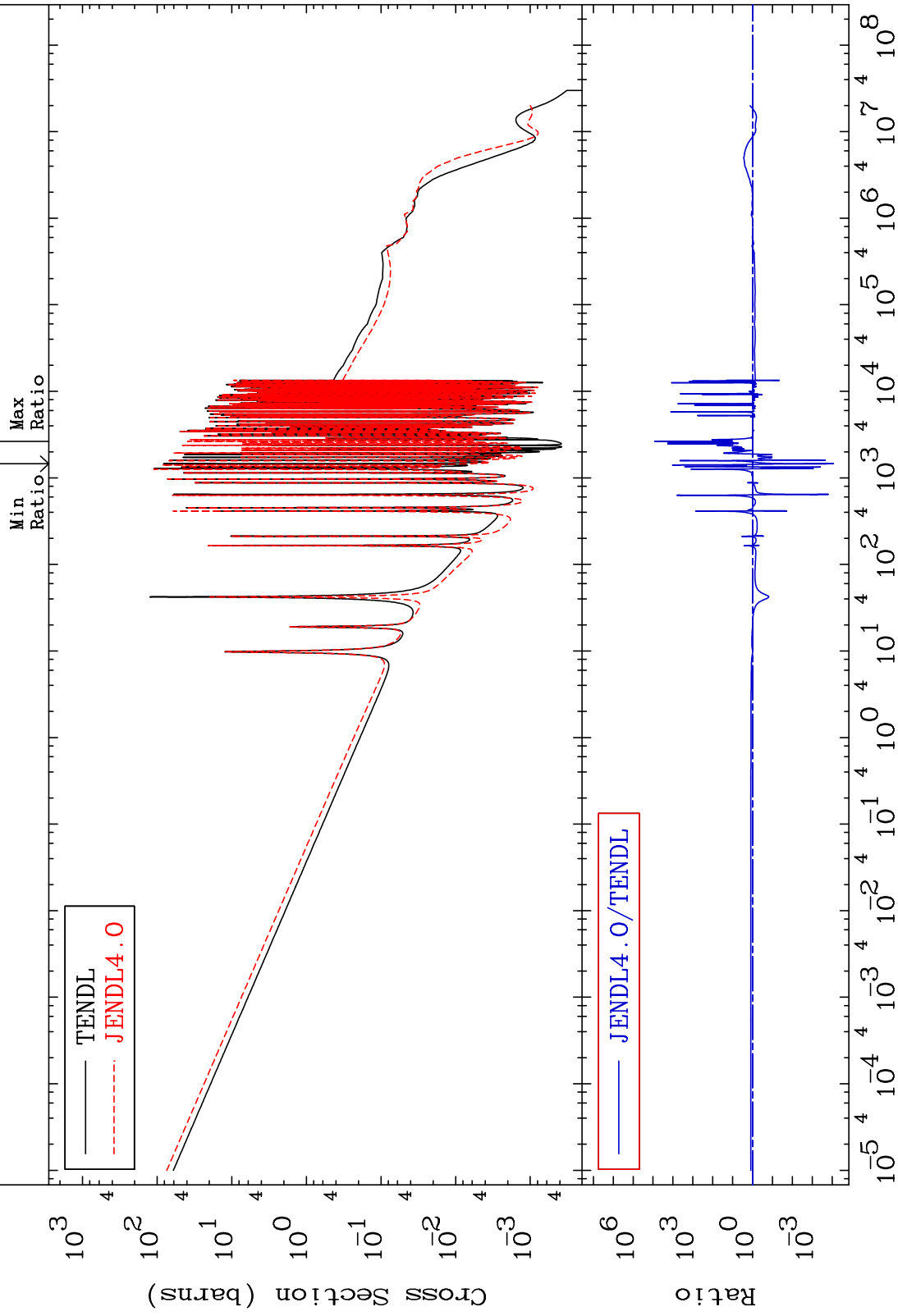
MAT 4443

(n, γ)

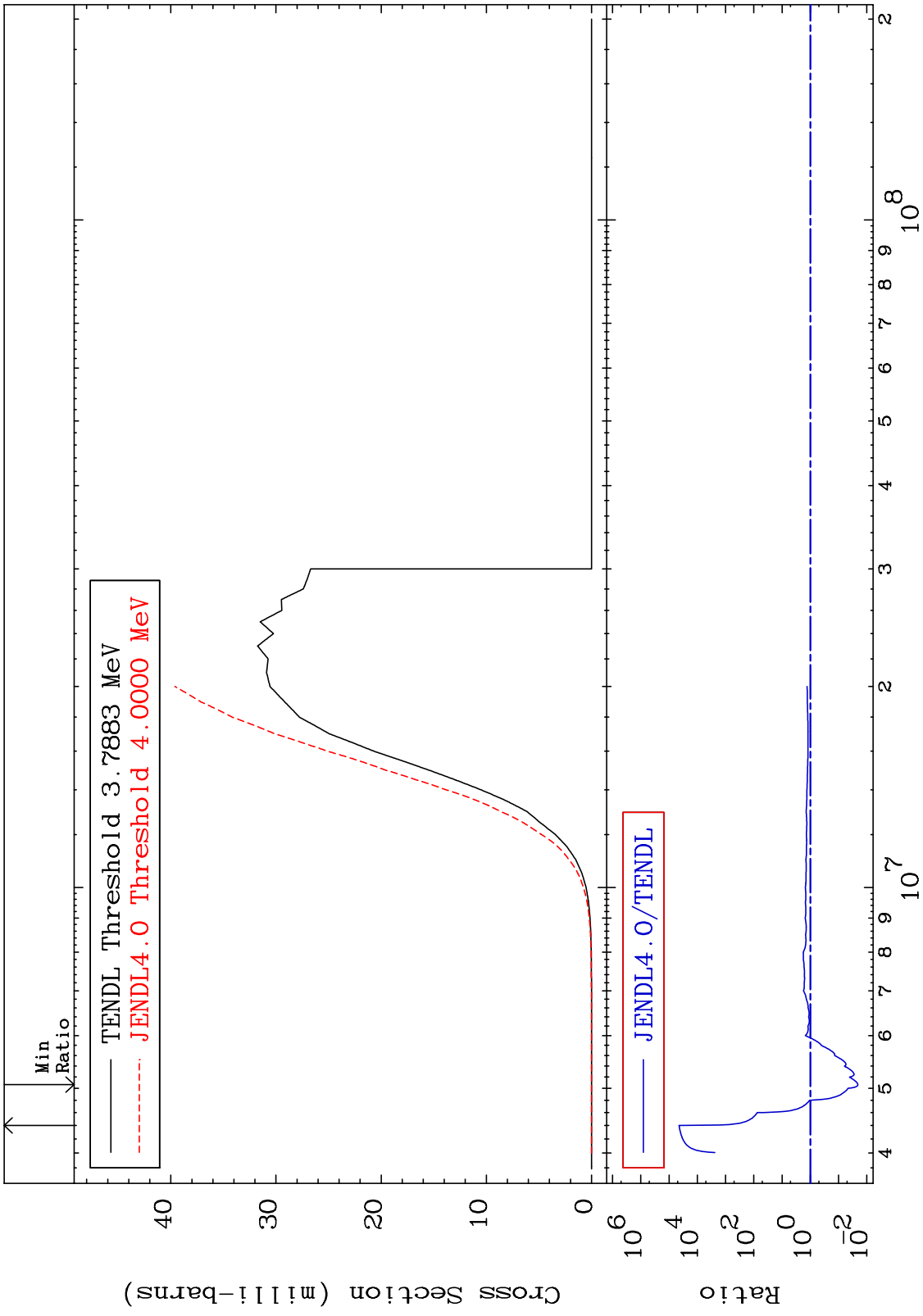
44-Ru-102

-99.99 To 9999. %

Cross Section



MAT 4443 (n,p) Cross Section 44-Ru-102 -97.92 To 9999. %



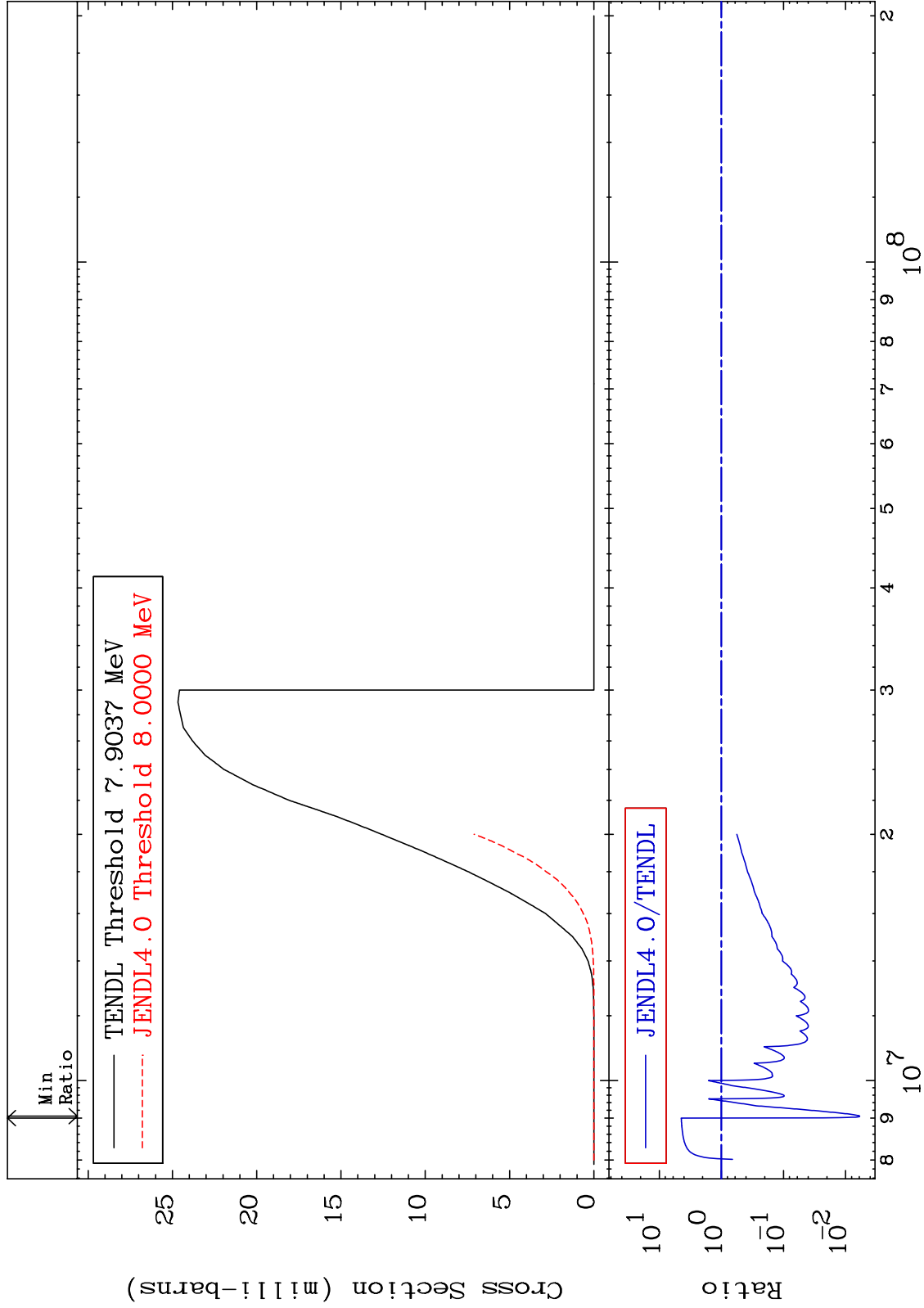
MAT 4443

(n,d)

44-Ru-102

Cross Section

-99.41 To 342.6 %

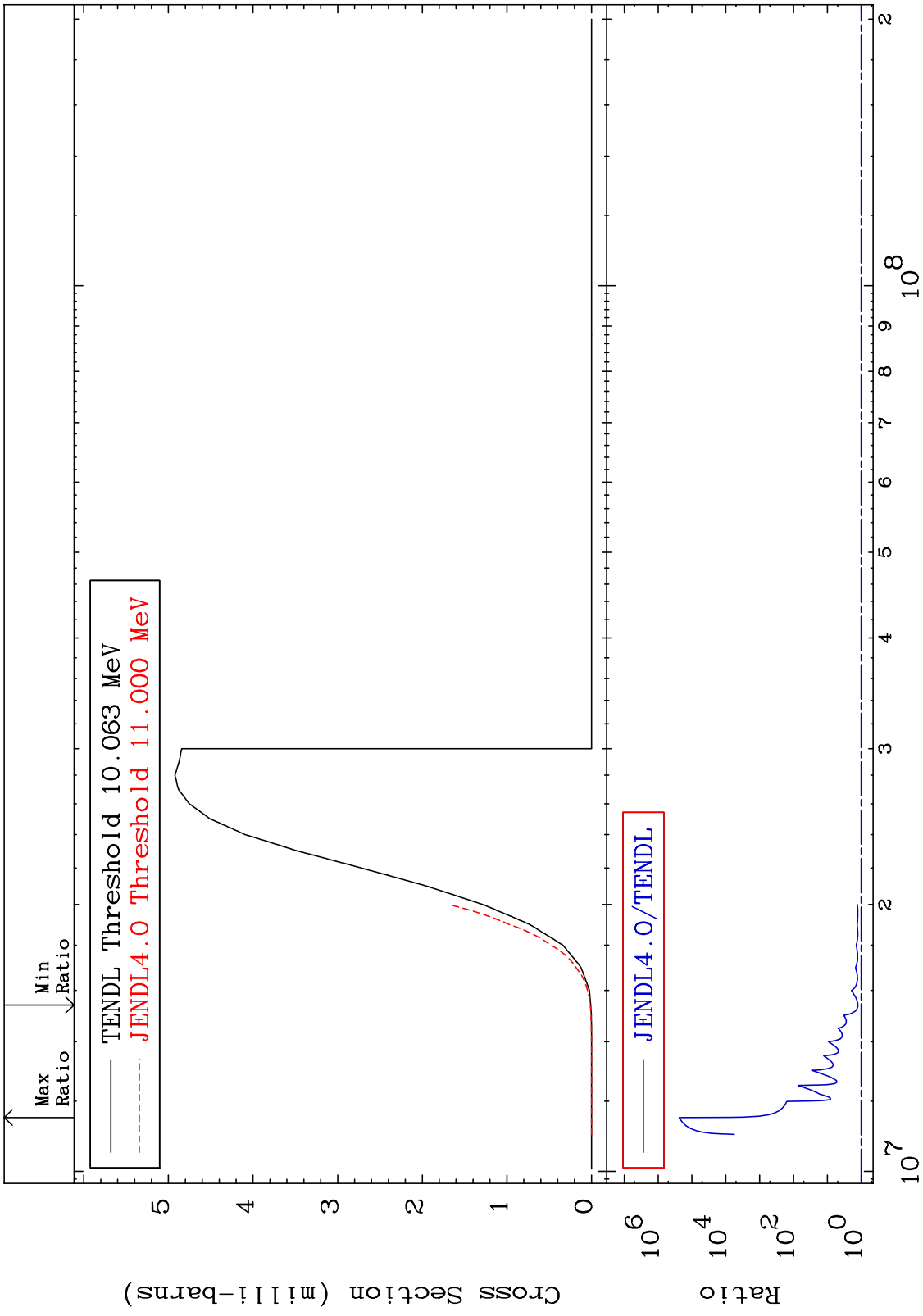


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Incident Energy (eV)

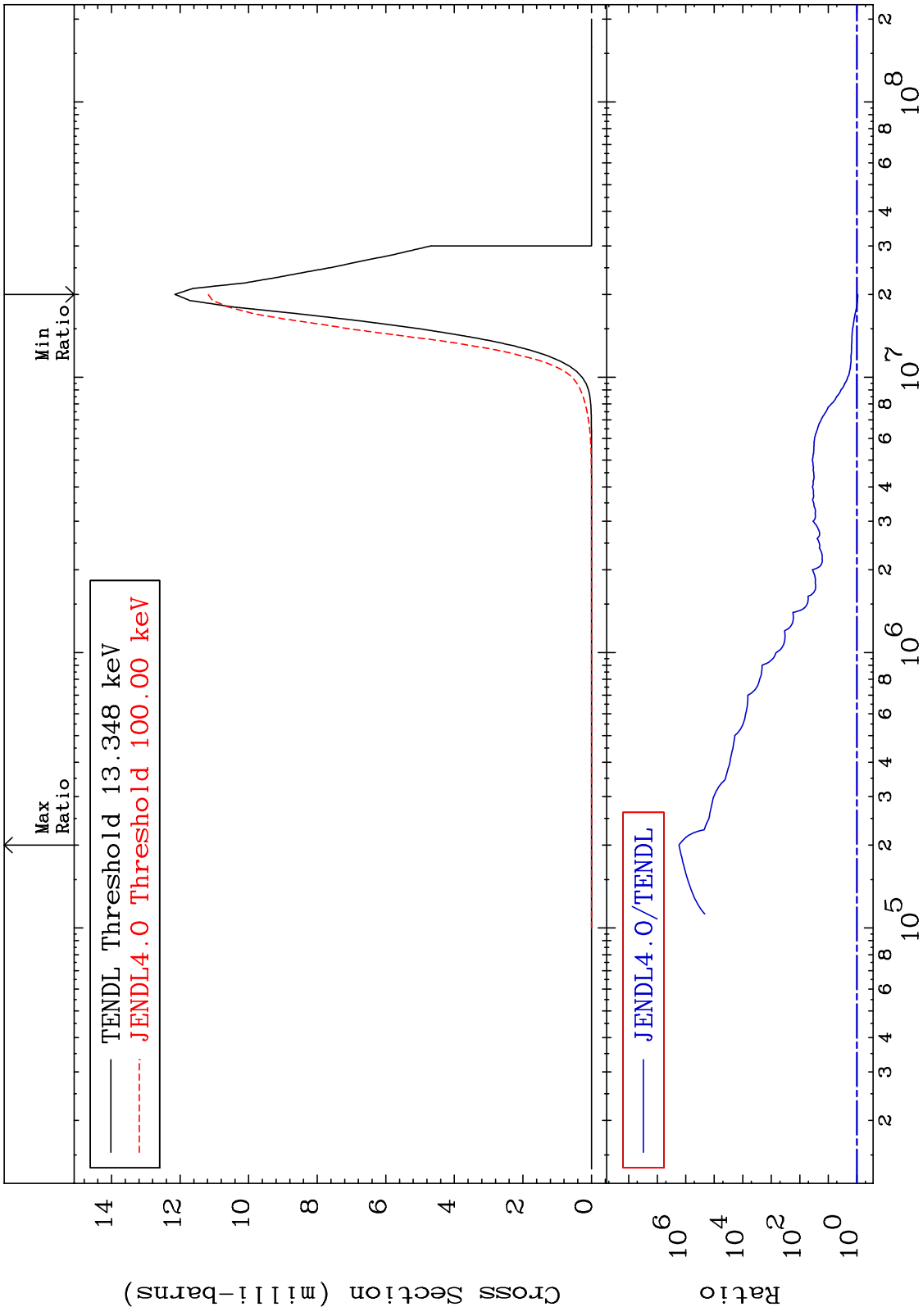
44-Ru-102

MAT 4443 (n,t) Cross Section 44-Ru-102 To 9999. %
 26.96



Incident Energy (eV) 44-Ru-102

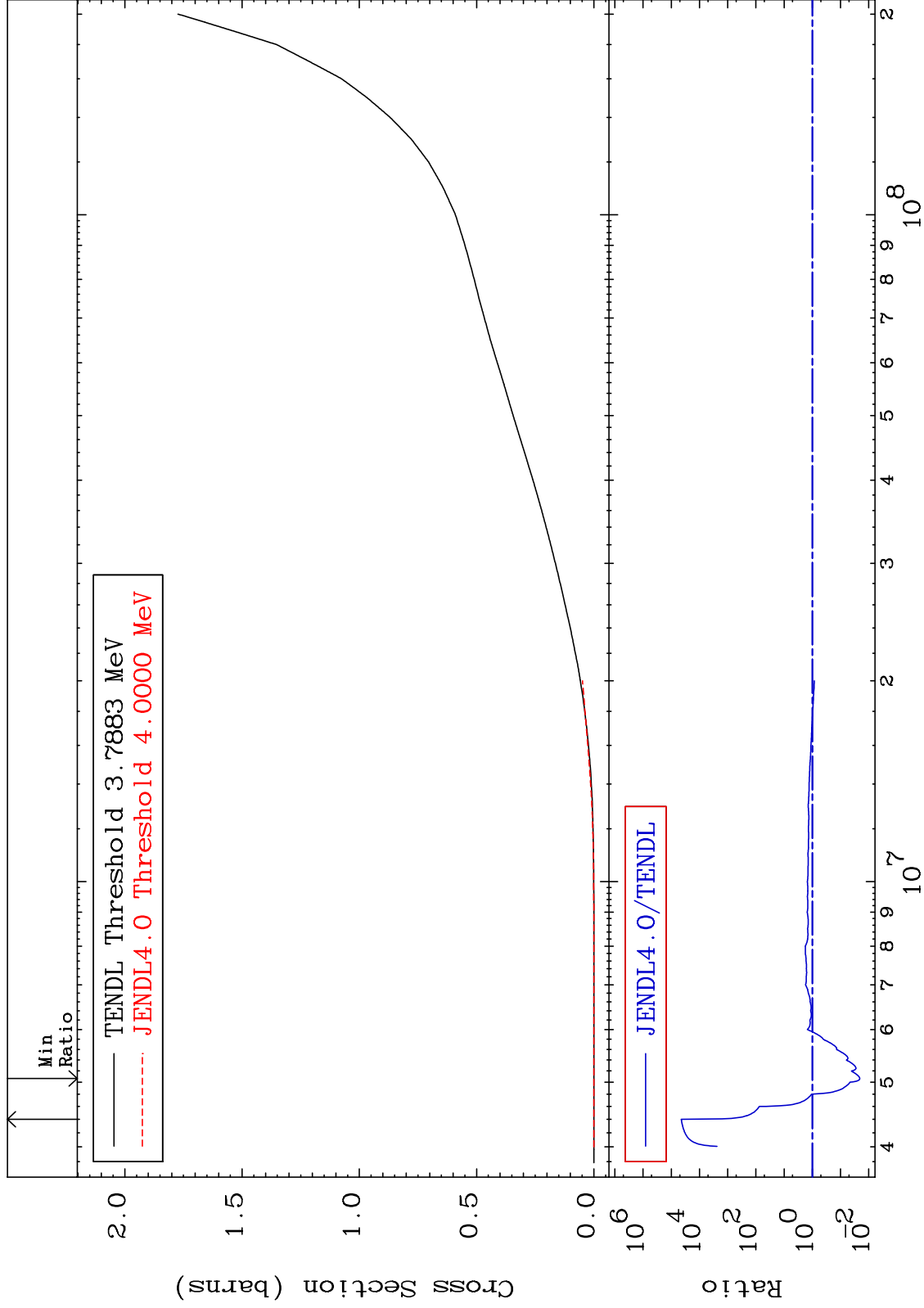
MAT 4443 (n, α) Cross Section 44-Ru-102 -7.973 To 9999. %



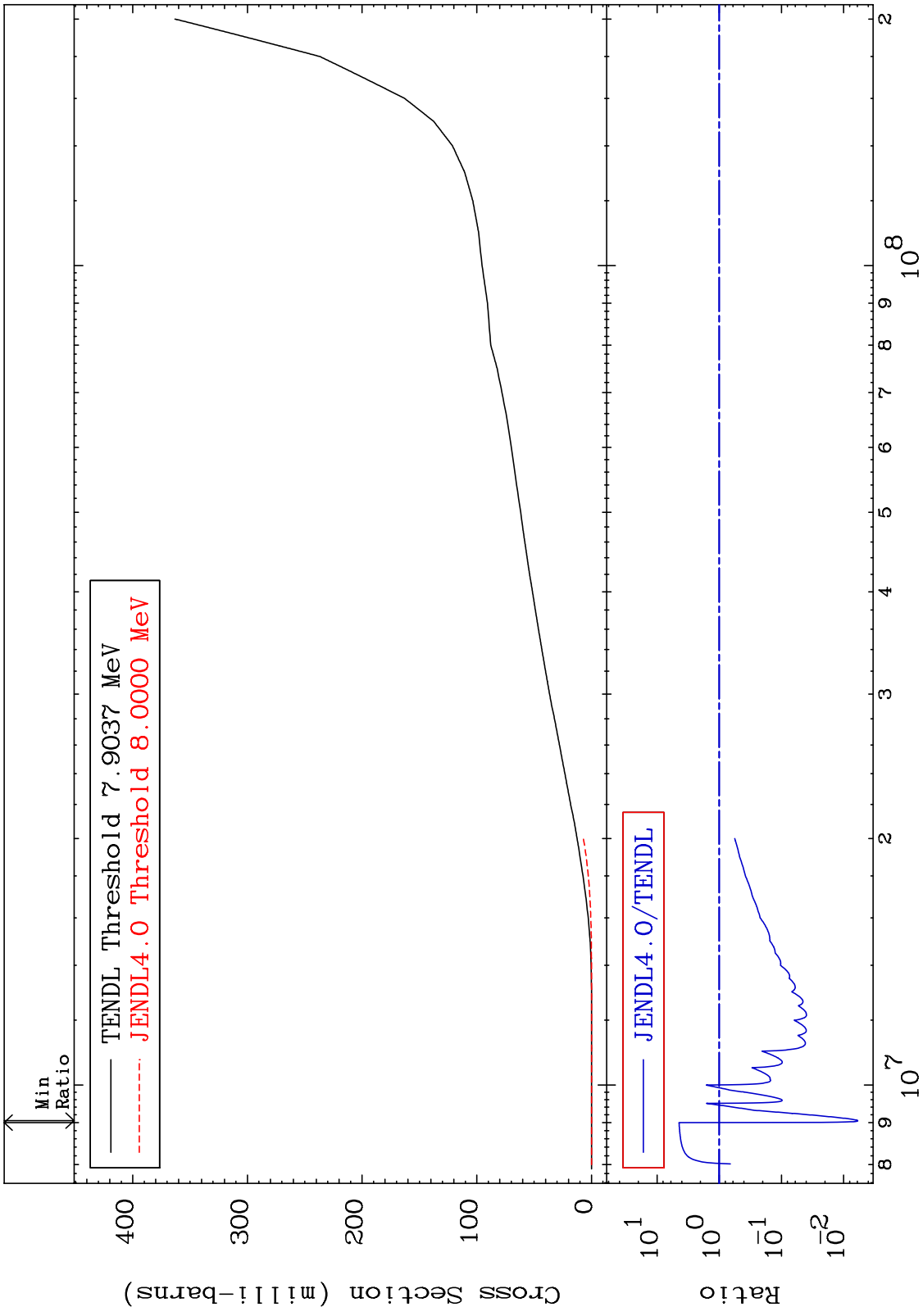
MAT 4443

Hydrogen Production
Cross Section

44-Ru-102
-97.92 To 9999. %



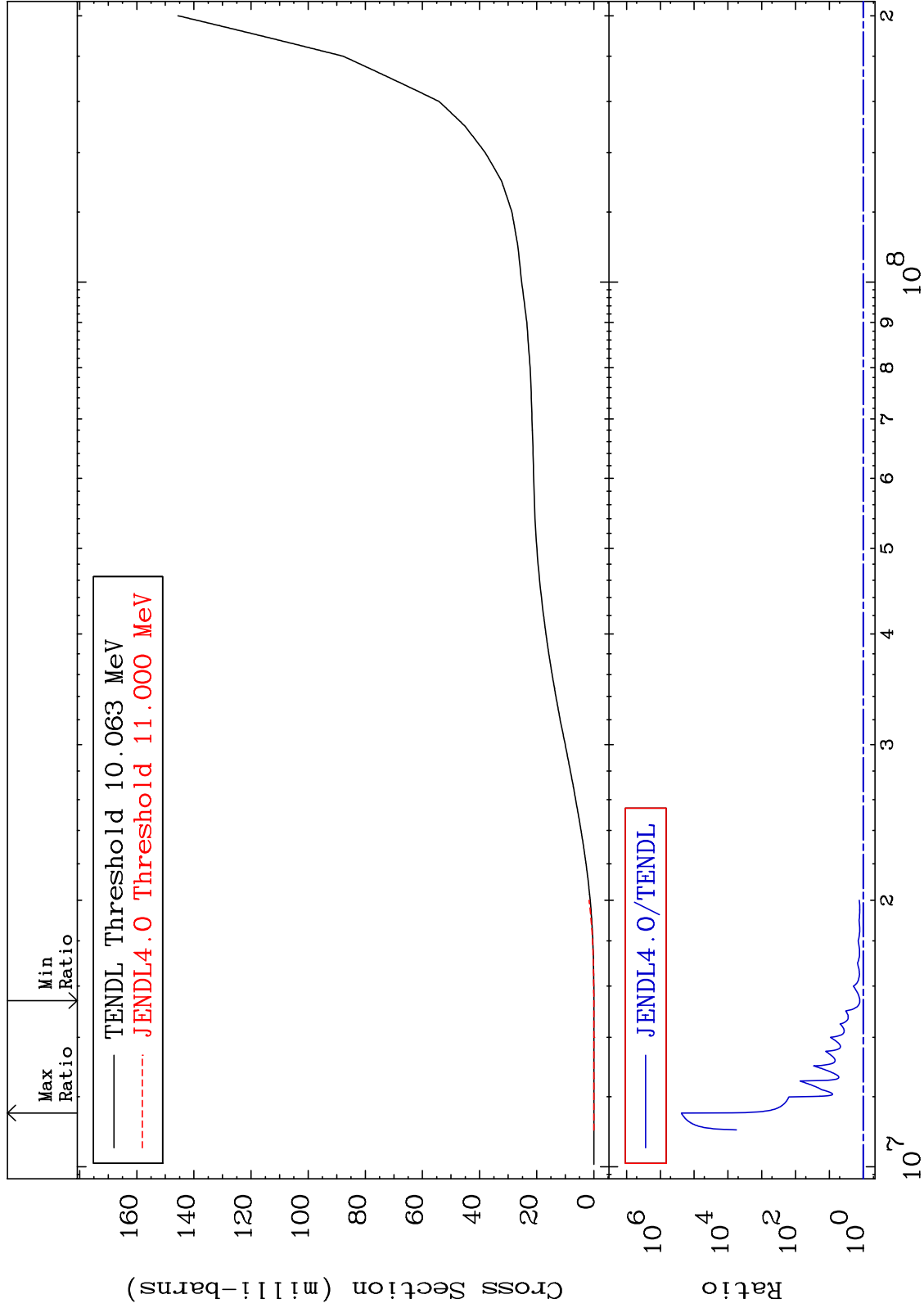
MAT 4443 Deuterium Production Cross Section 44-Ru-102 -99.41 To 342.6 %



MAT 4443

Tritium Production
Cross Section

44-Ru-102
26.96 To 9999. %



Incident Energy (eV)

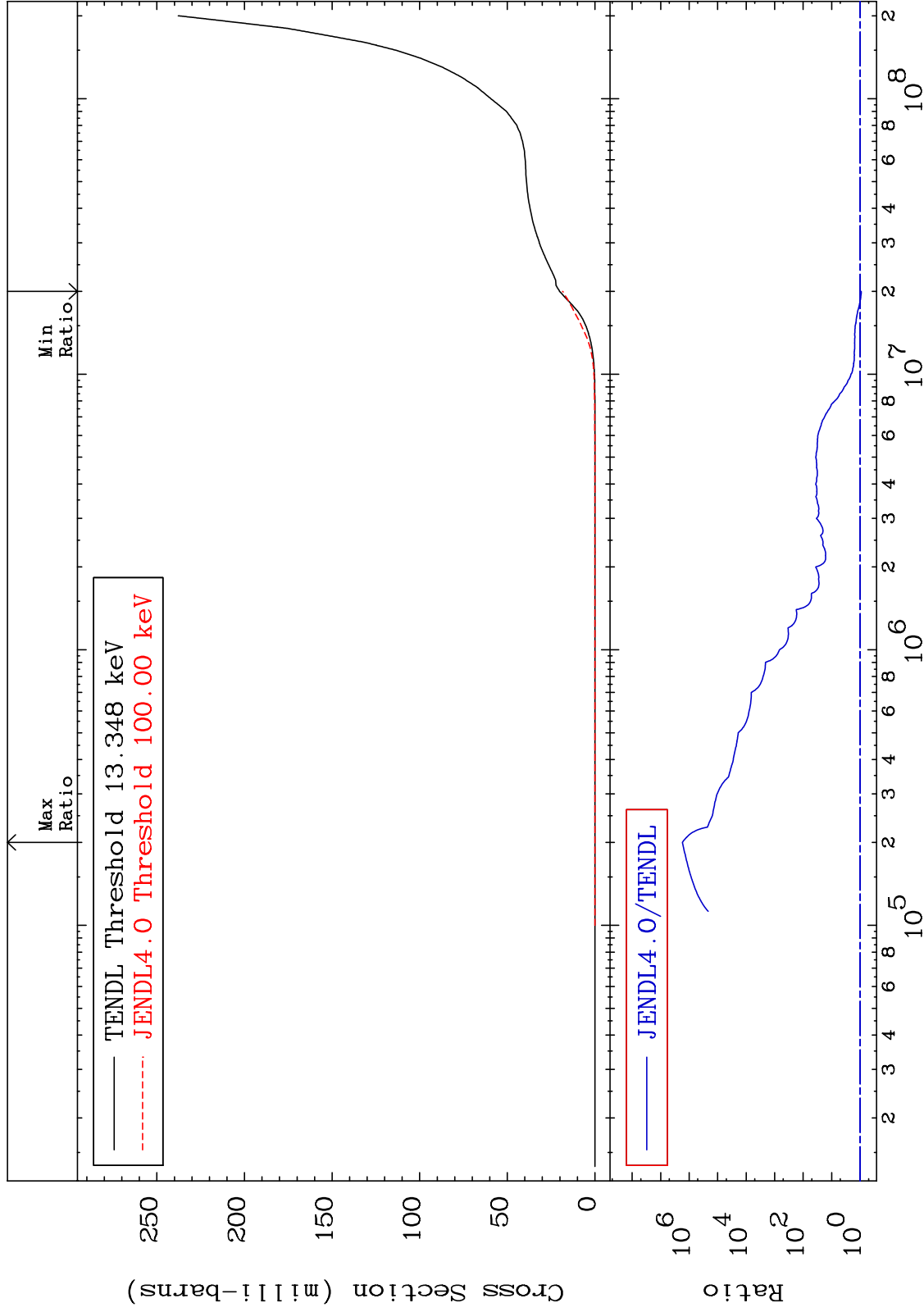
44-Ru-102

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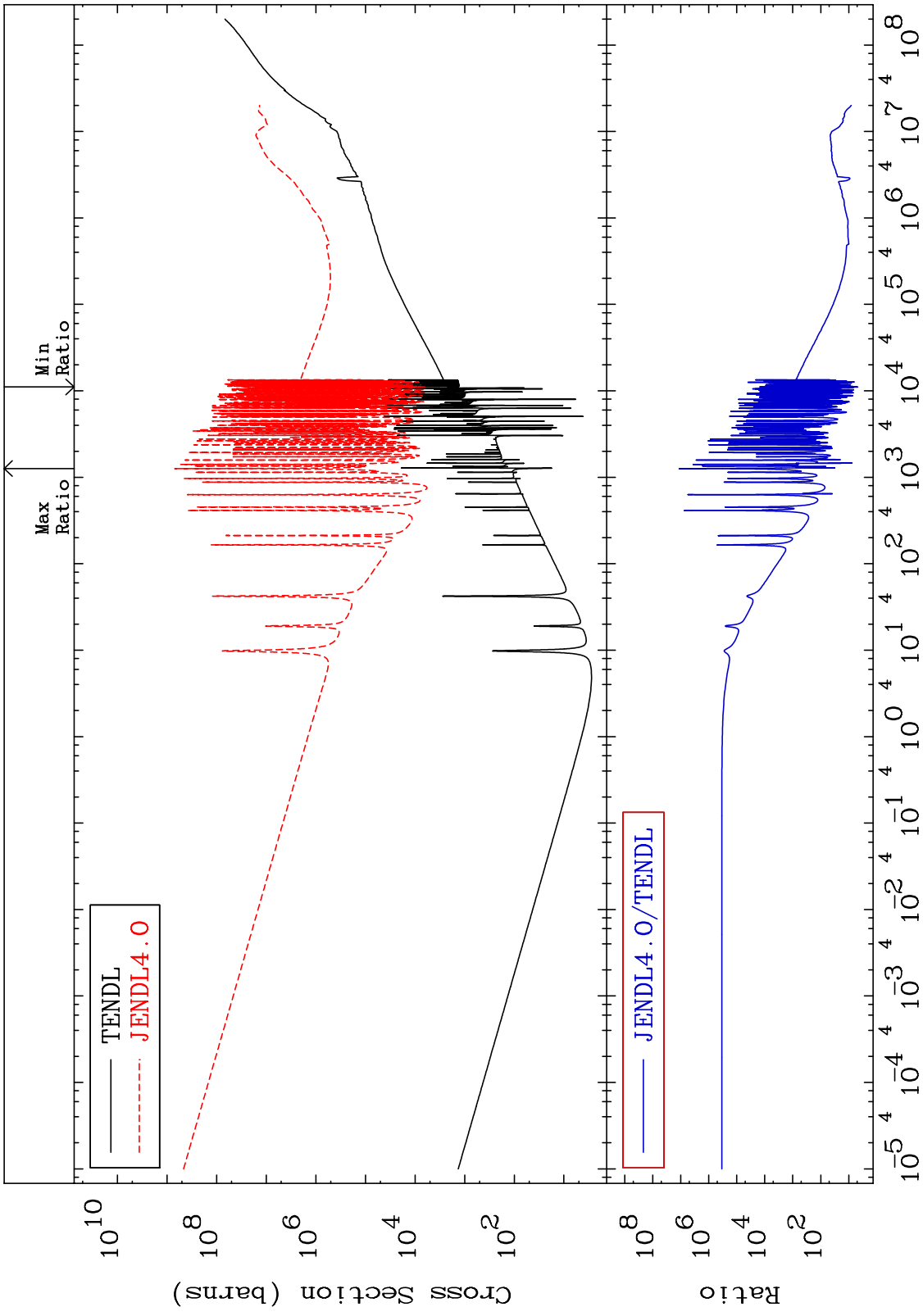
MAT 4443

He-4 Production
Cross Section

44-Ru-102
-8.669 To 9999. %



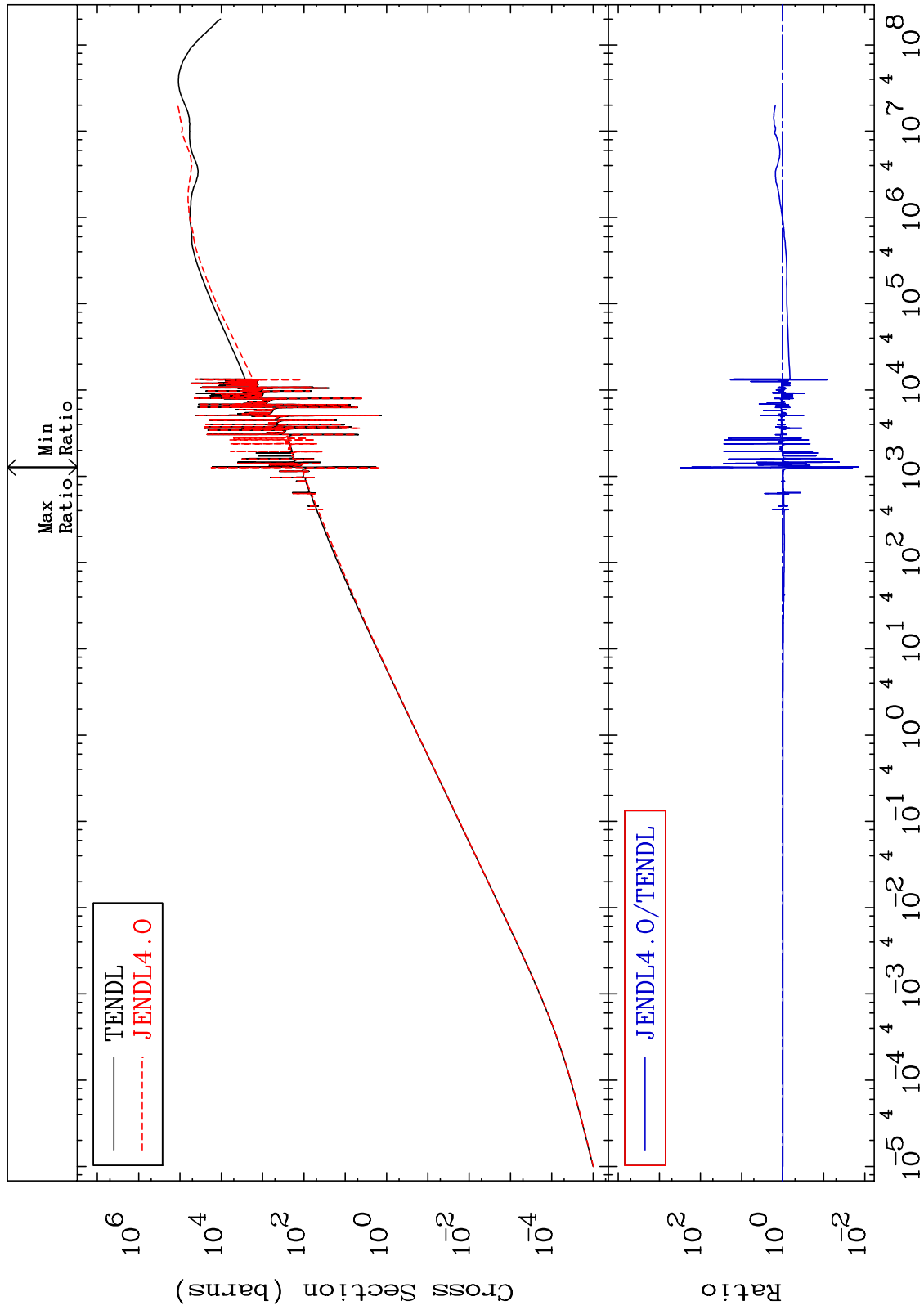
MAT 4443 Kerma total (eV-barns) 44-Ru-102
 Cross Section 373.3 To 9999. %



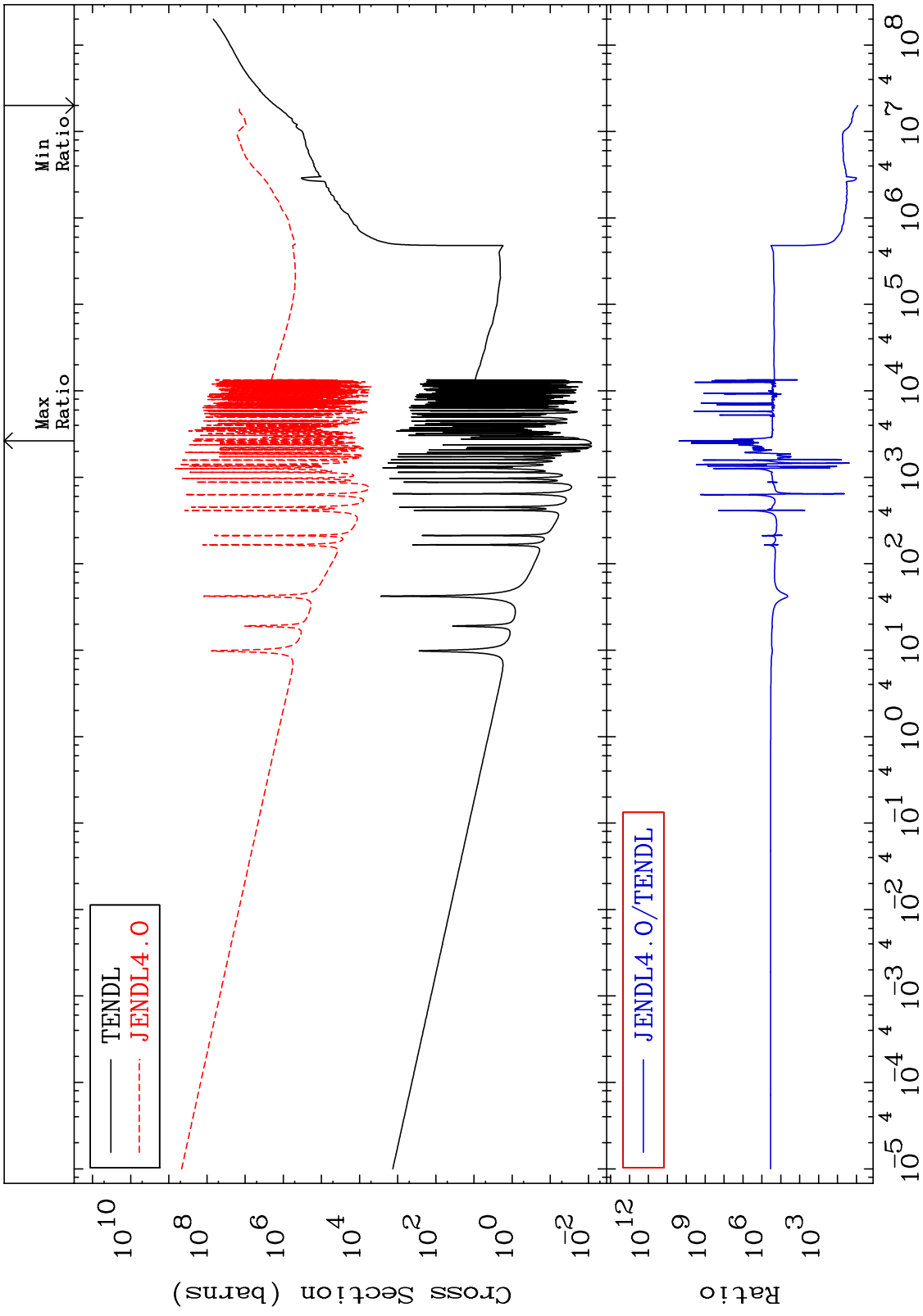
MAT 4443

Kerma elastic
Cross Section

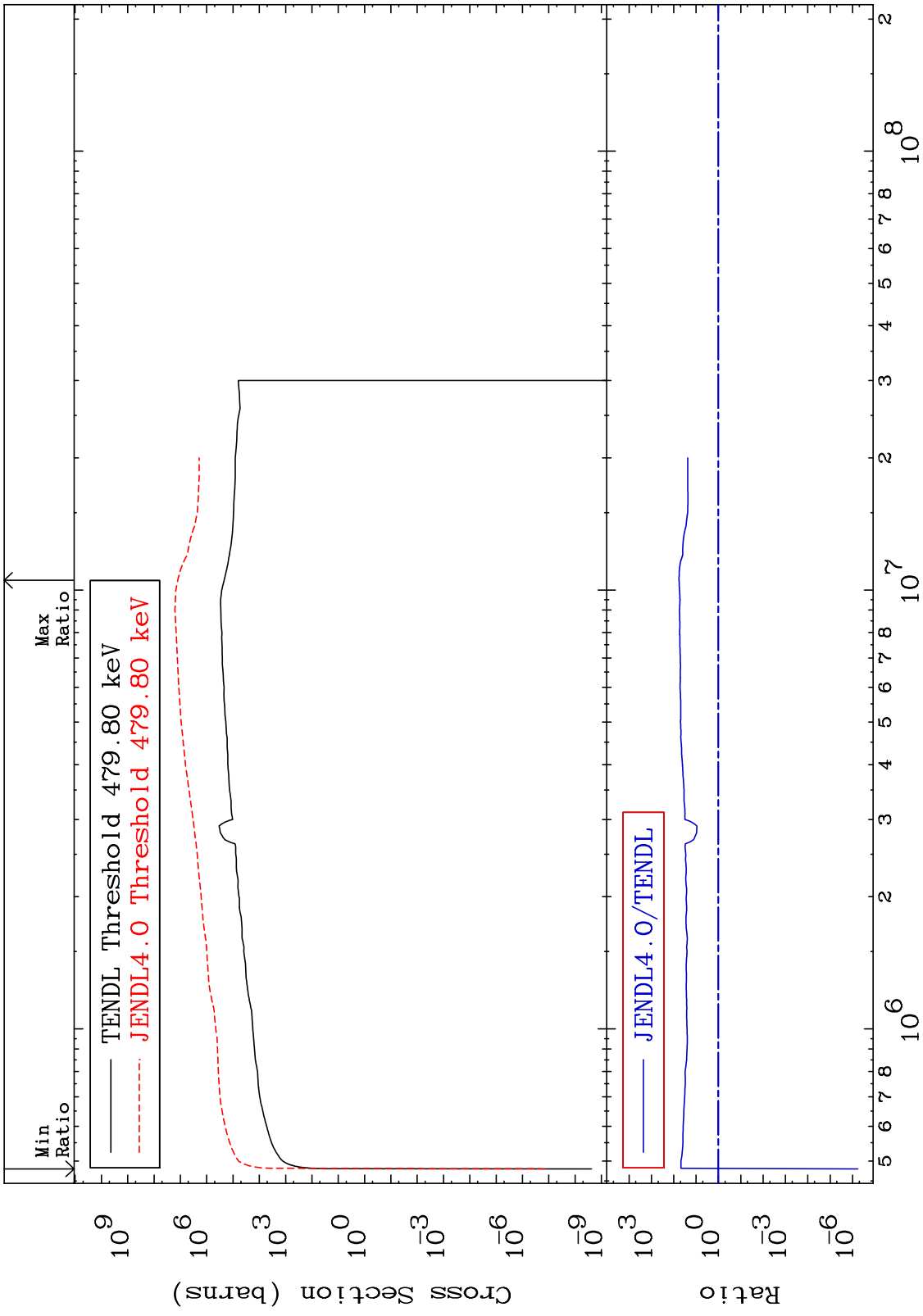
44-Ru-102
-98.62 To 9999. %



MAT 4443 Kerma non-elastic (all but mt2) 44-Ru-102
 Cross Section 739.8 To 9999. %



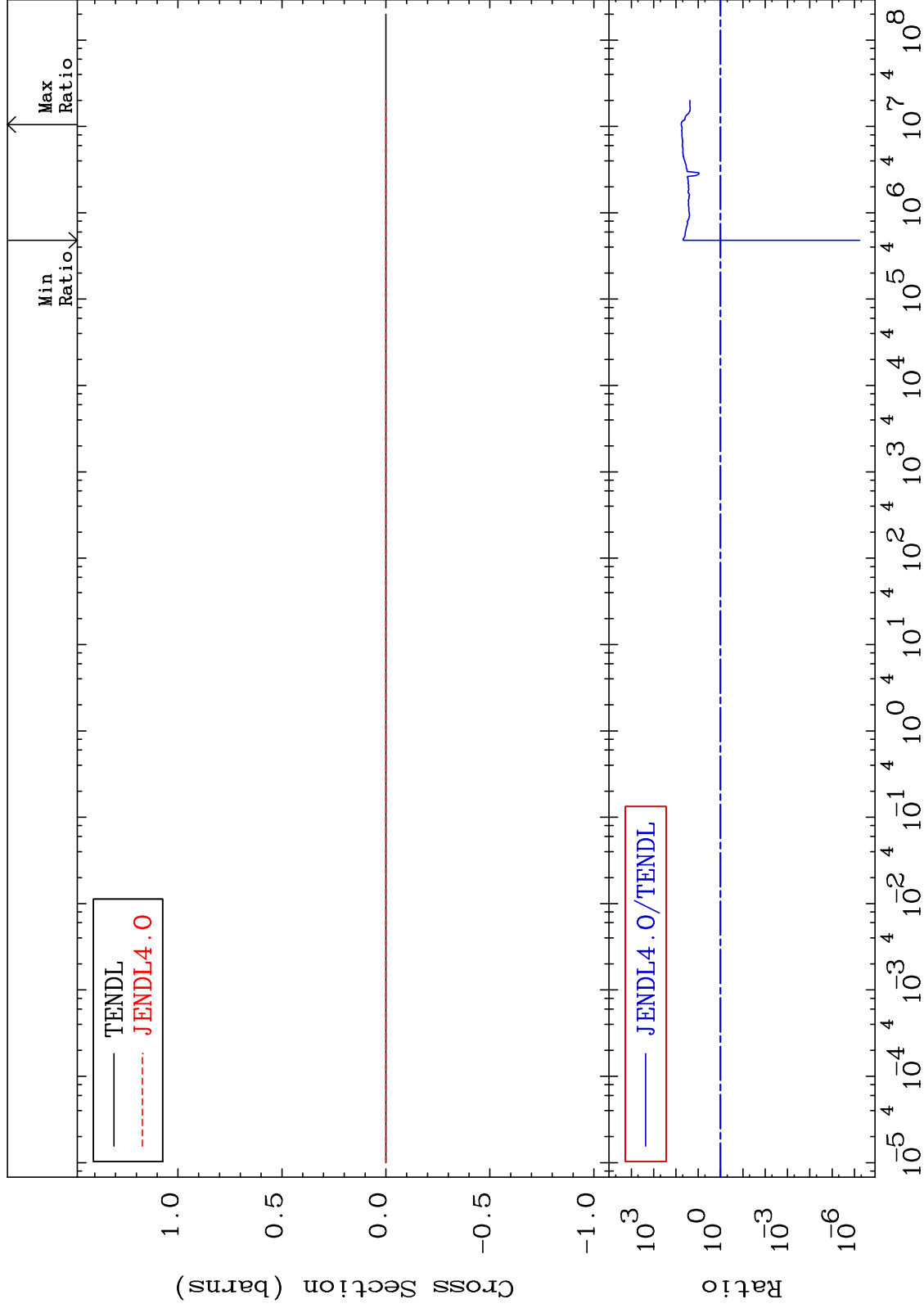
MAT 4443 Kerma inelastic (mt51-91) 44-Ru-102
 -100.0 To 5685. %
 Cross Section



MAT 4443

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

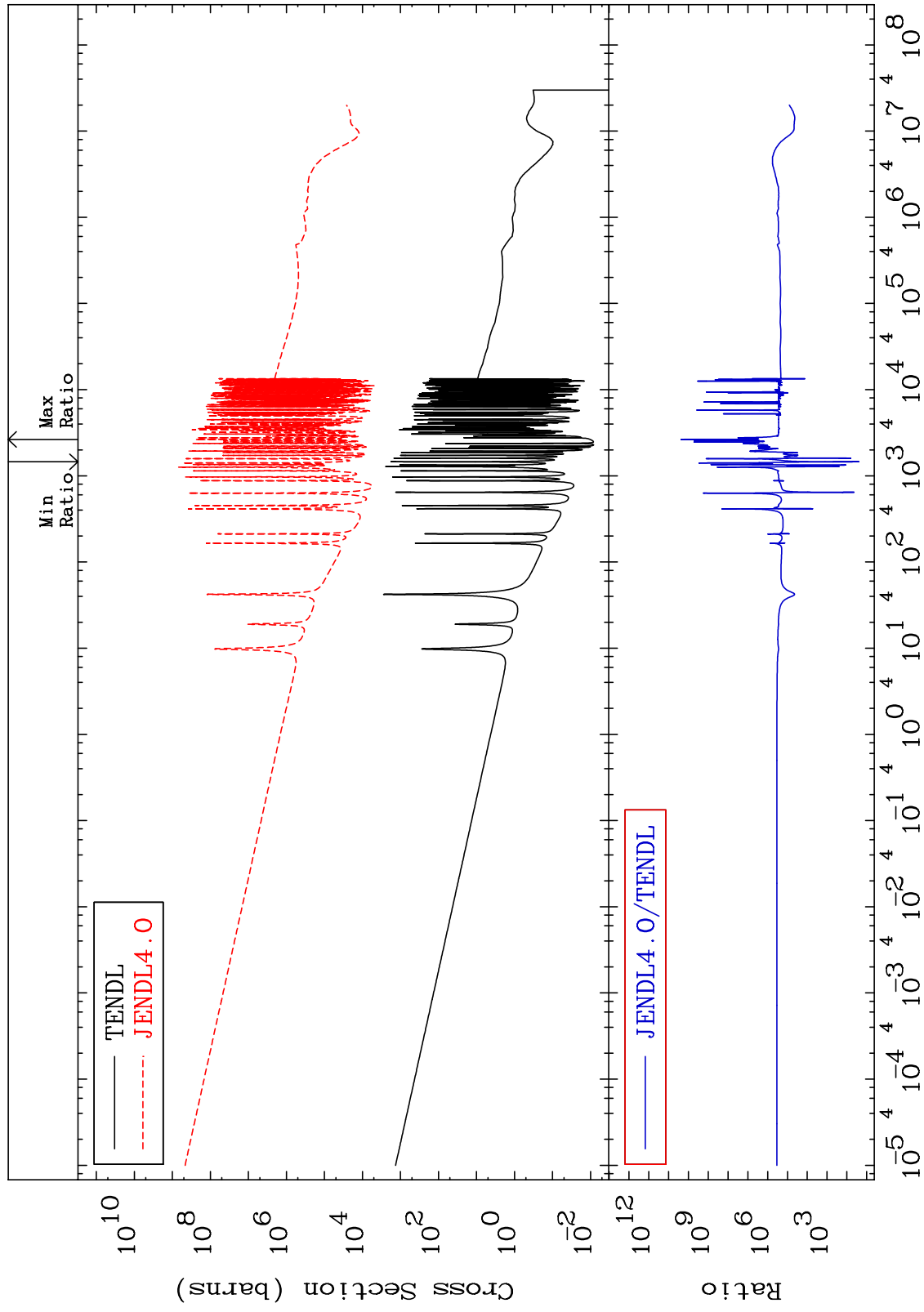
44-Ru-102
-100.0 To 5685. %



MAT 4443

Kerma capture (mt102)
Cross Section

44-Ru-102
2329. To 9999. %

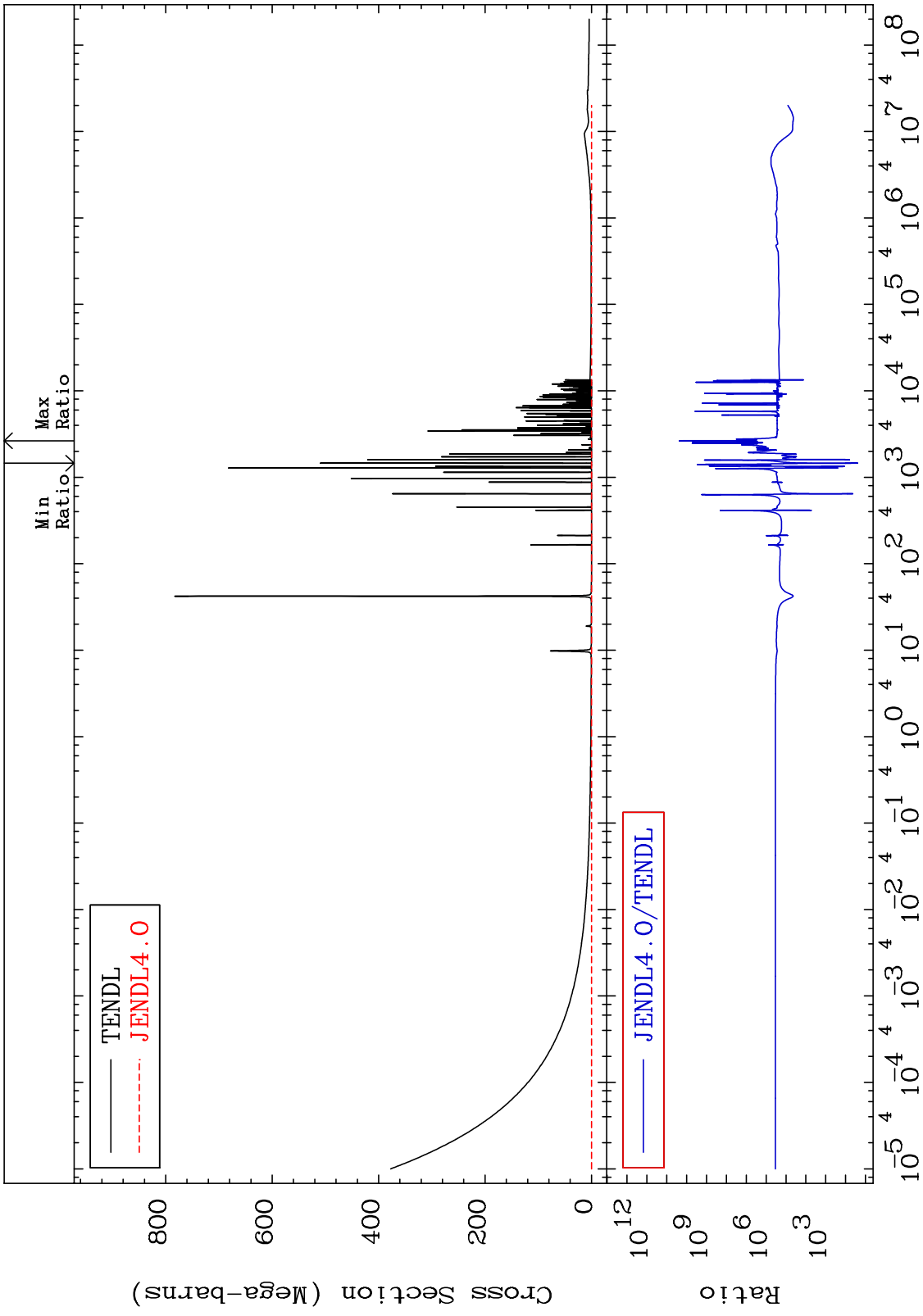


40

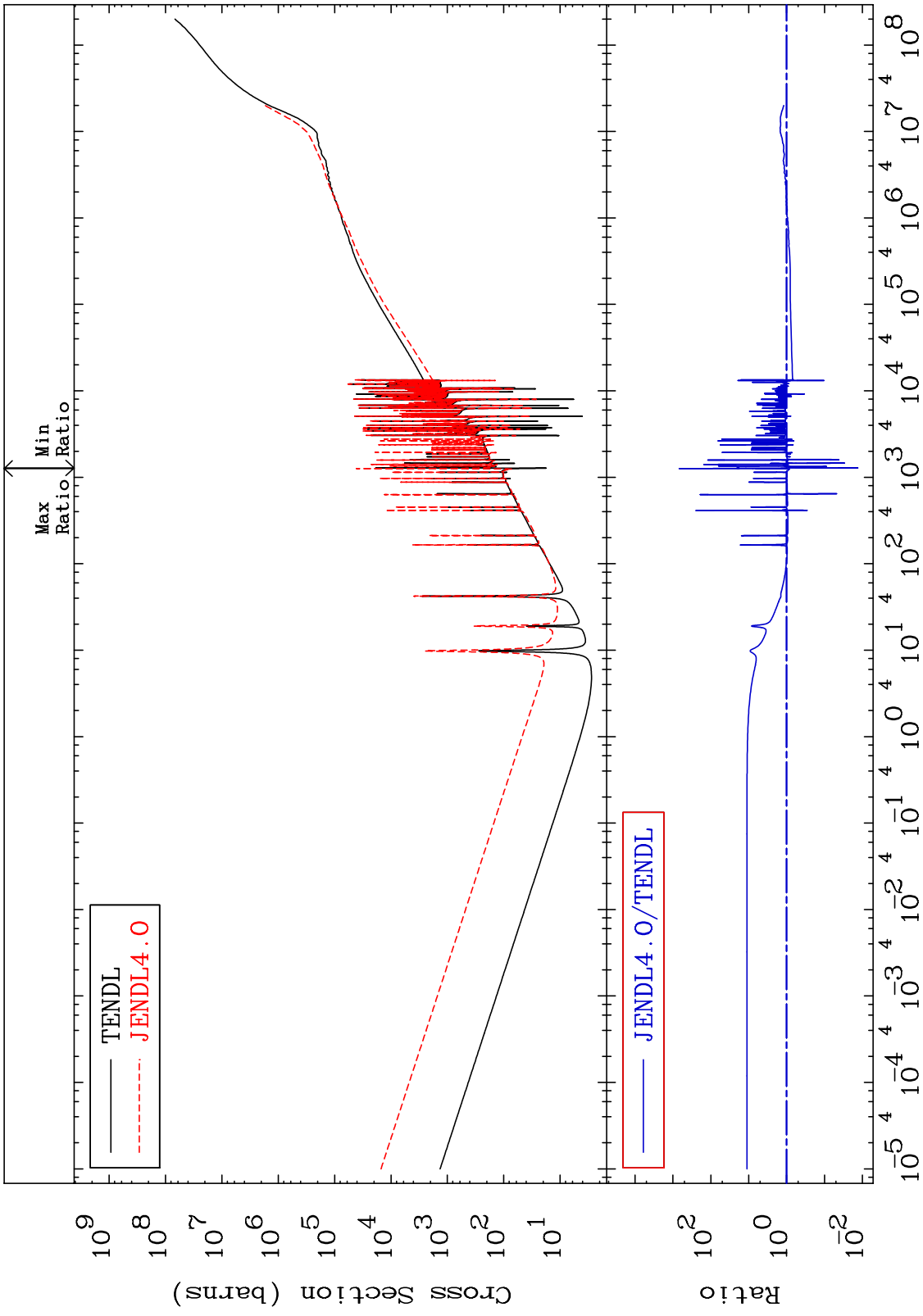
Incident Energy (eV)

44-Ru-102

MAT 4443 Total photon (eV-barns) 44-Ru-102
 Cross Section 2329. To 9999. %



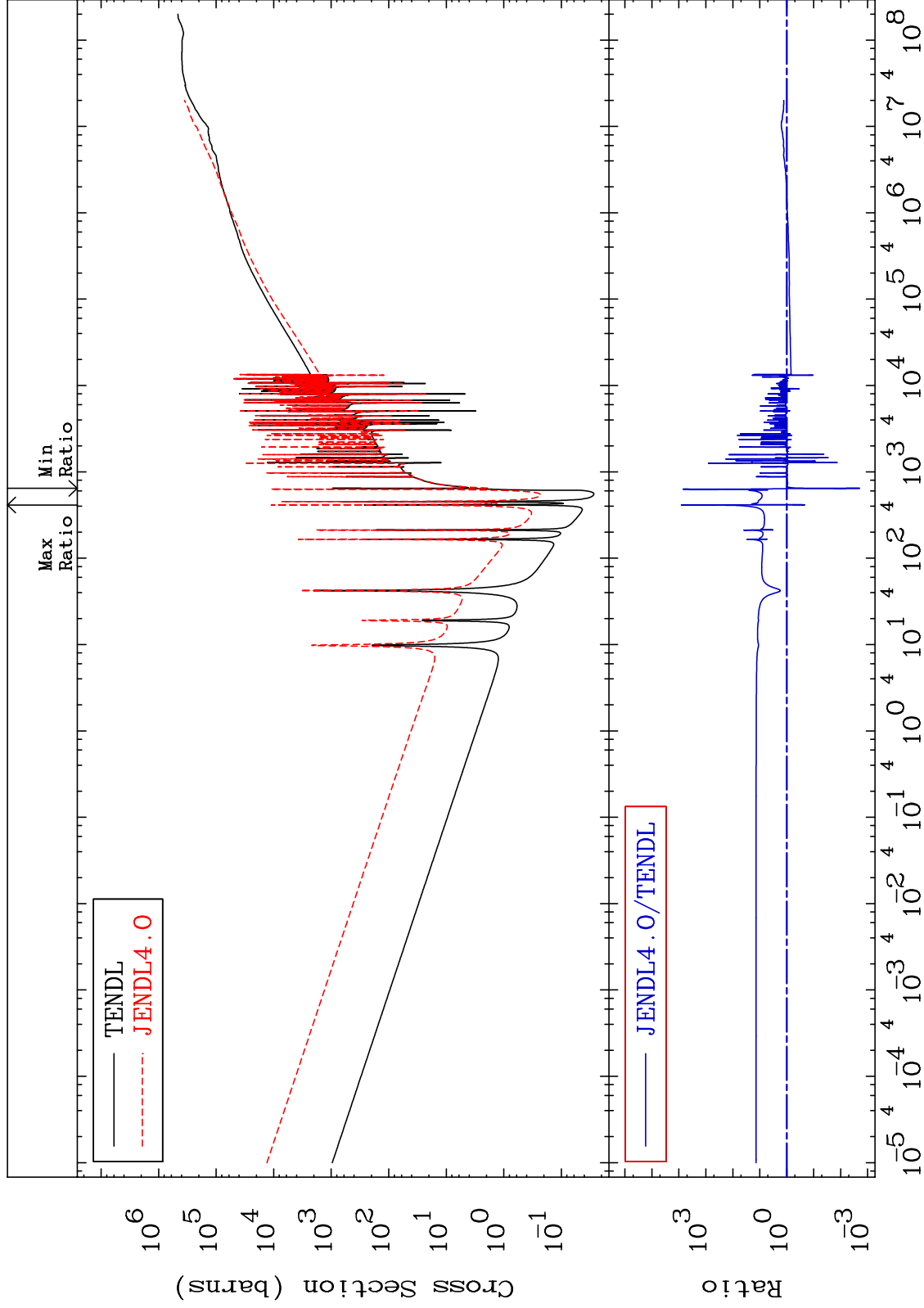
MAT 4443 Total kinematic kerma (high limit) 44-Ru-102
Cross Section -98.68 To 9999. %



MAT 4443

Dpa total (eV-barns)
Cross Section

44-Ru-102
-99.80 To 9999. %

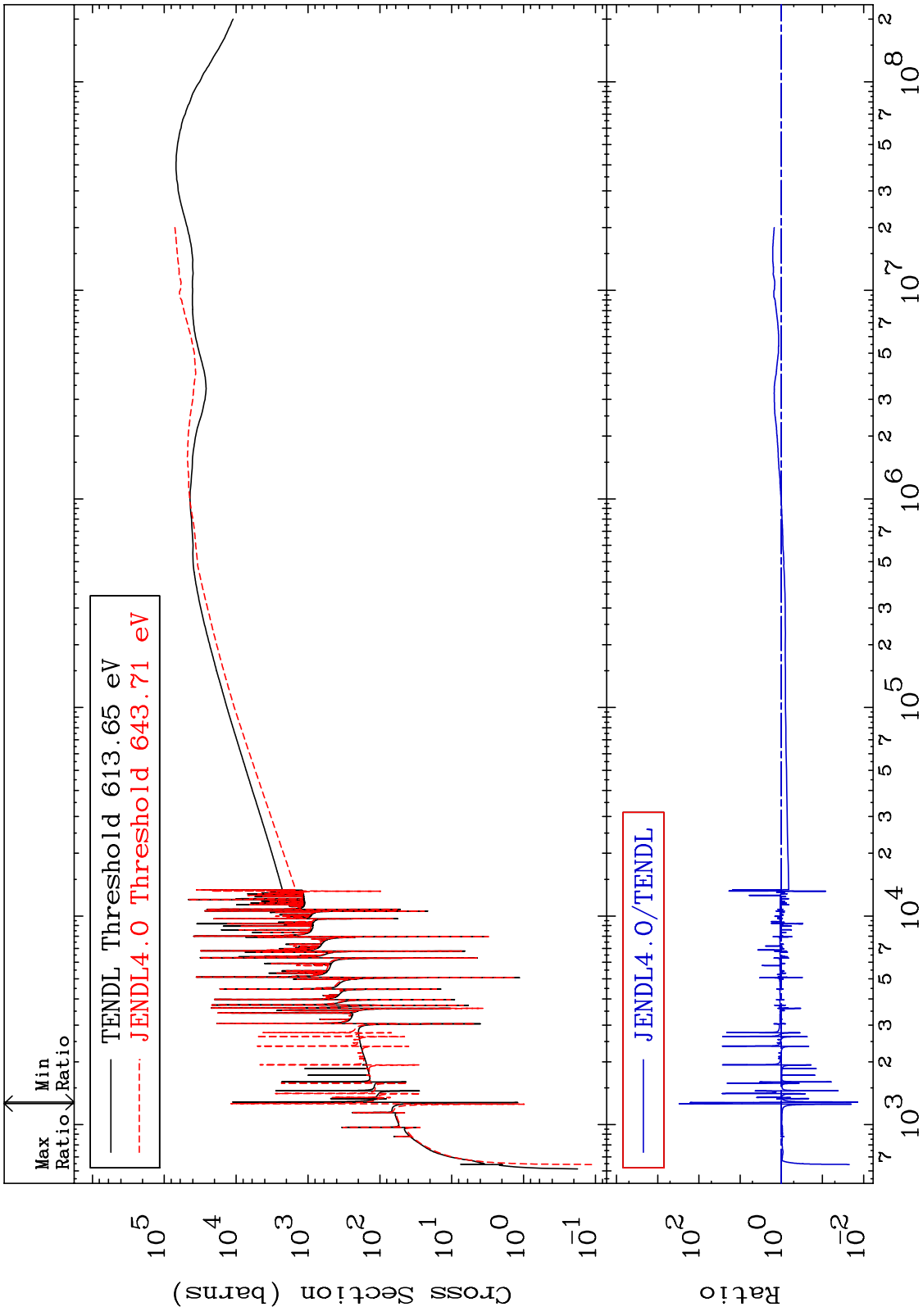


43

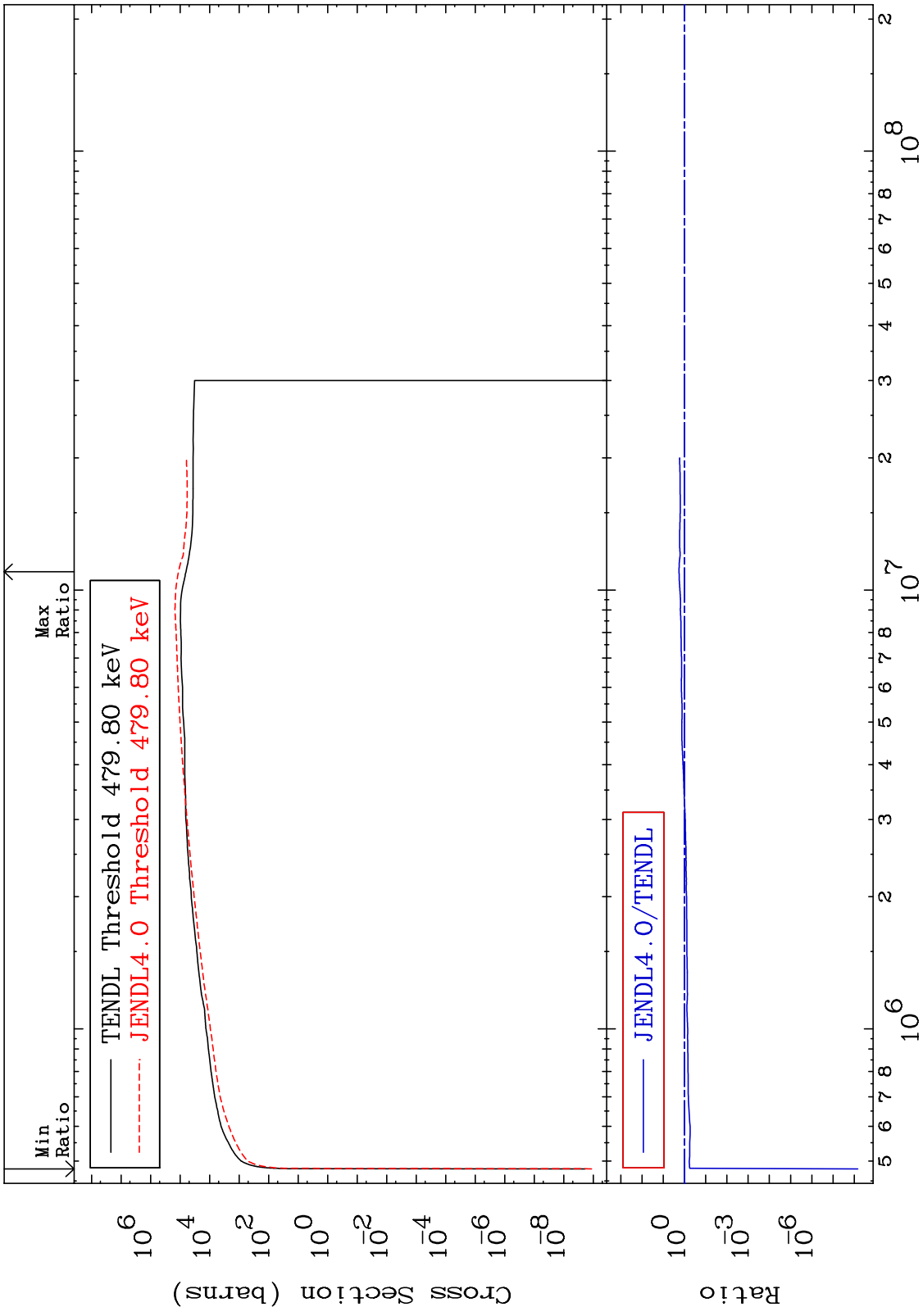
Incident Energy (eV)

44-Ru-102

MAT 4443 Dpa elastic (mt2) 44-Ru-102
Cross Section -98.62 To 9999. %



MAT 4443 Dpa inelastic (mt51-91) 44-Ru-102
 Cross Section -100.0 To 79.66 %



MAT 4443

Dpa disappearance (mt102 -120)
Cross Section

44-Ru-102
-99.90 To 9999. %

