

Program Complot
(Version 2018-1)

by

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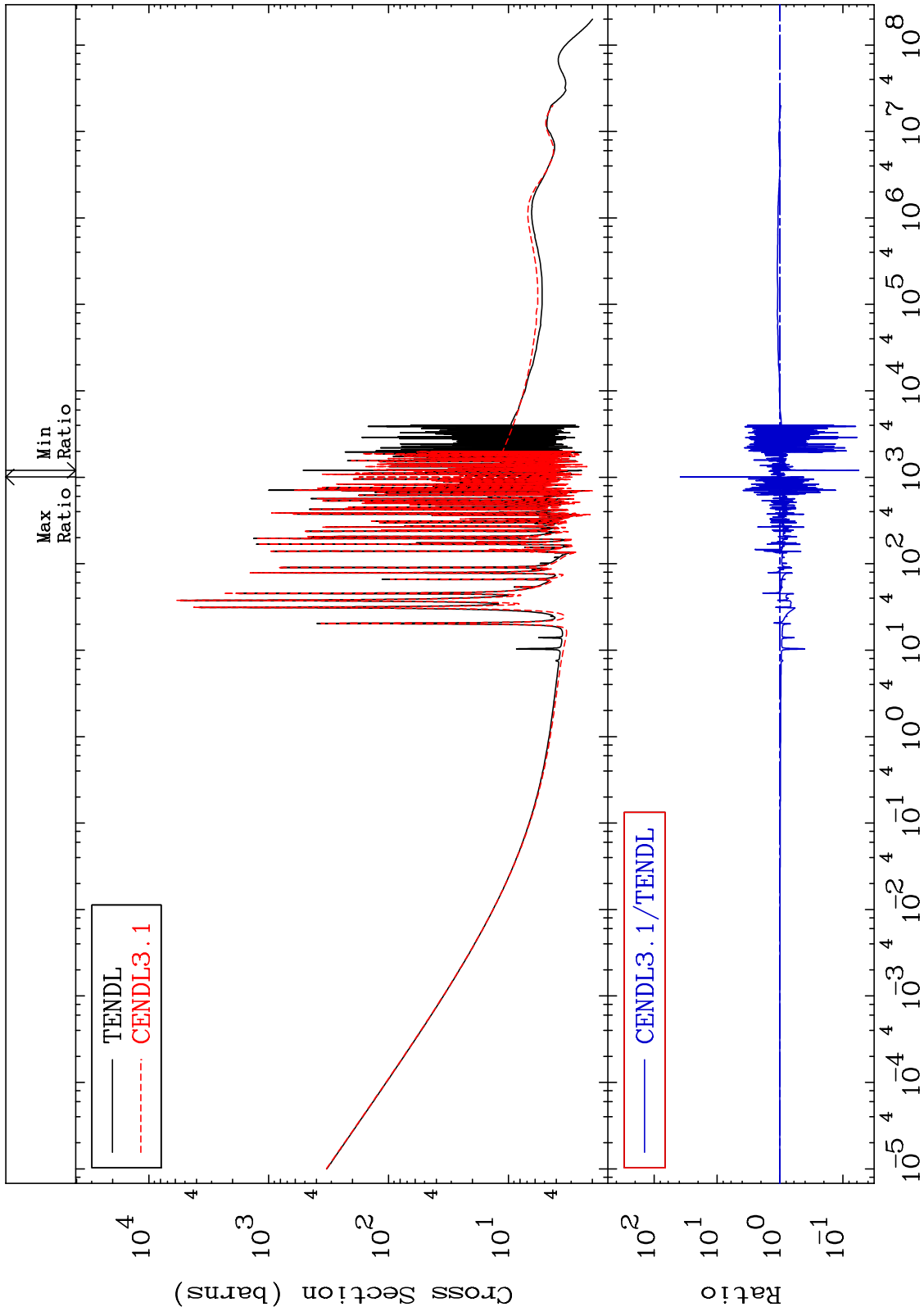
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5325

Total
Cross Section

53-I -127
-94.43 To 3752. %



1

Incident Energy (eV)

53-I -127

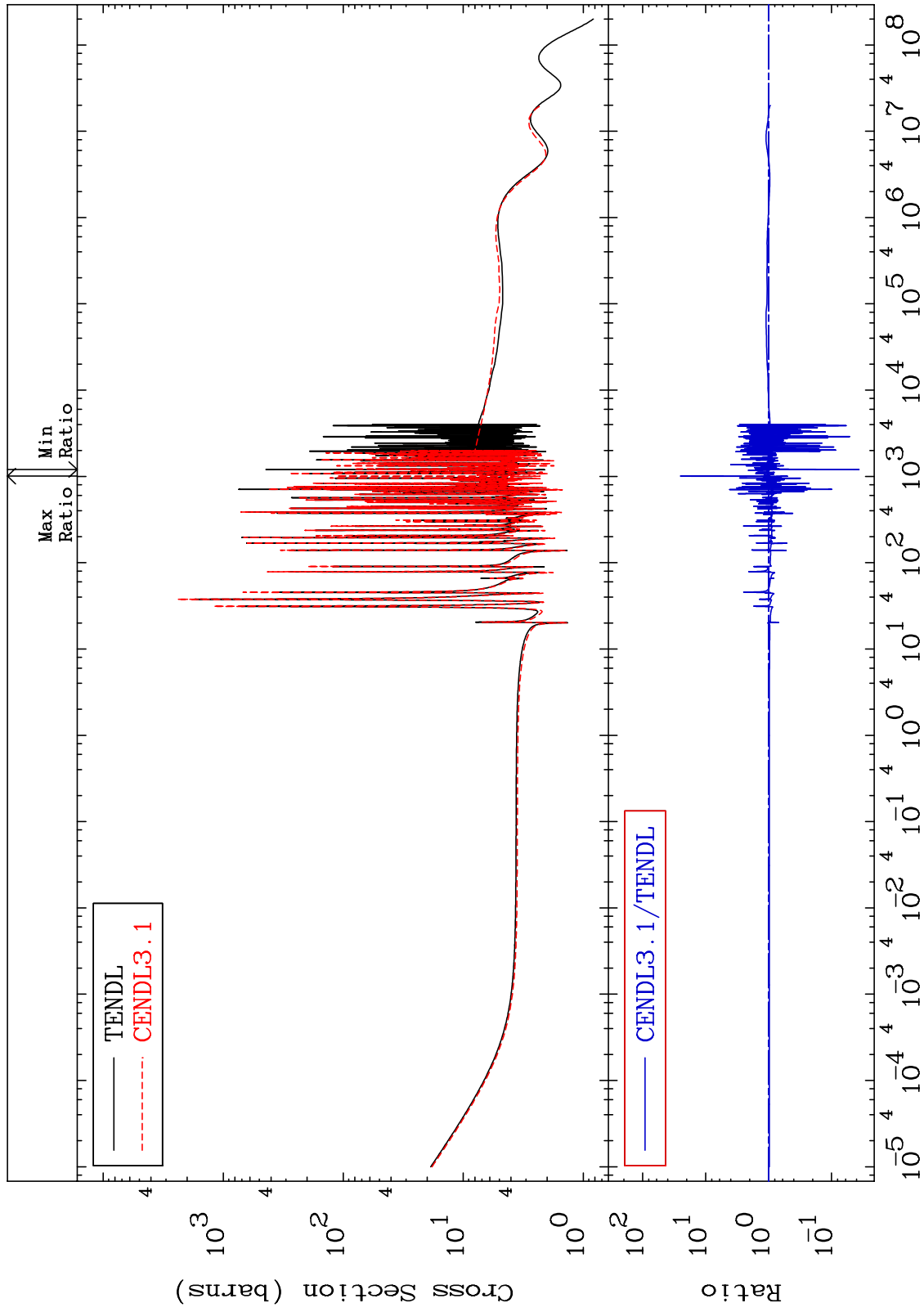
MAT 5325

Elastic

53-I -127

Cross Section

-96.33 To 2398. %

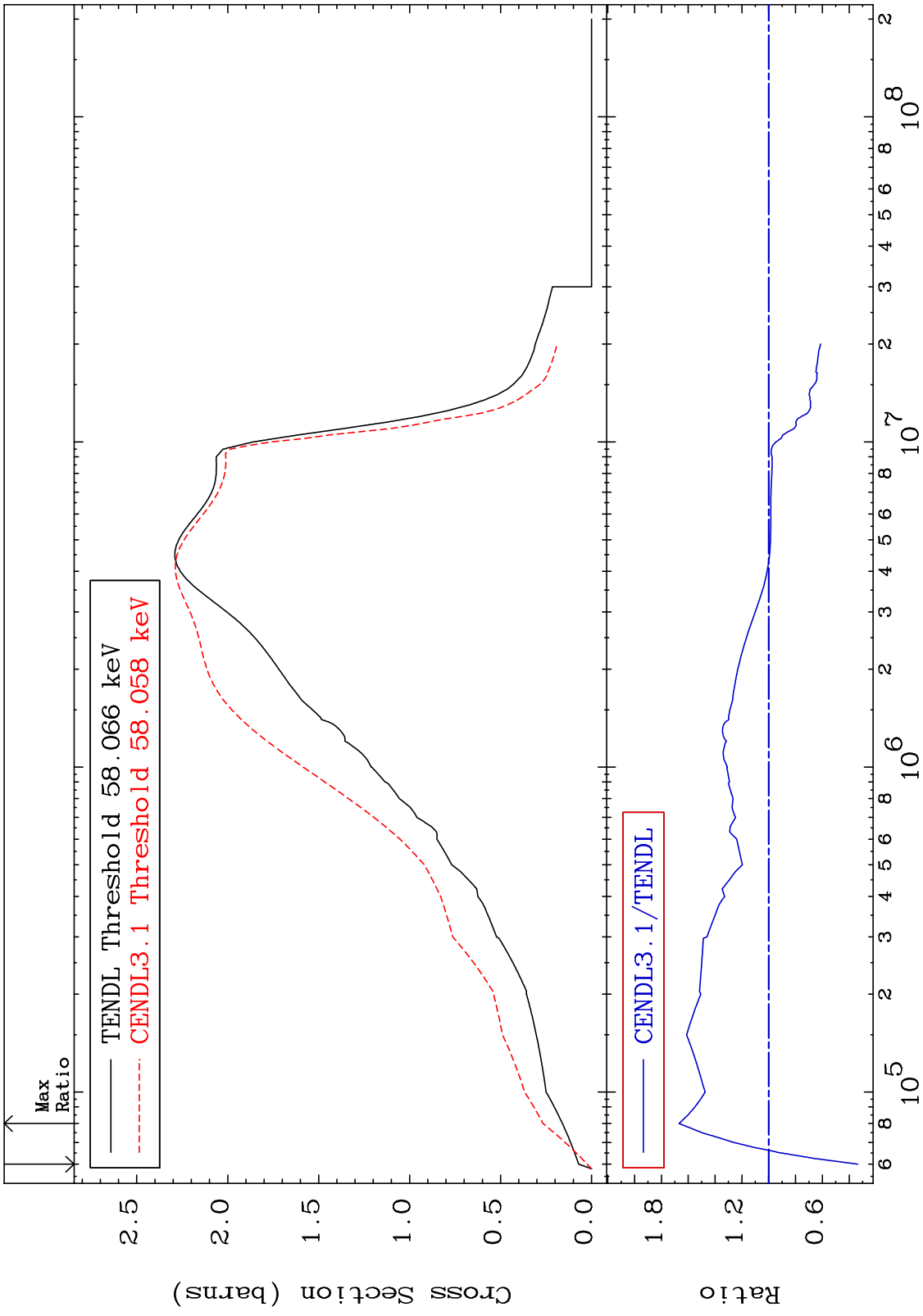


2

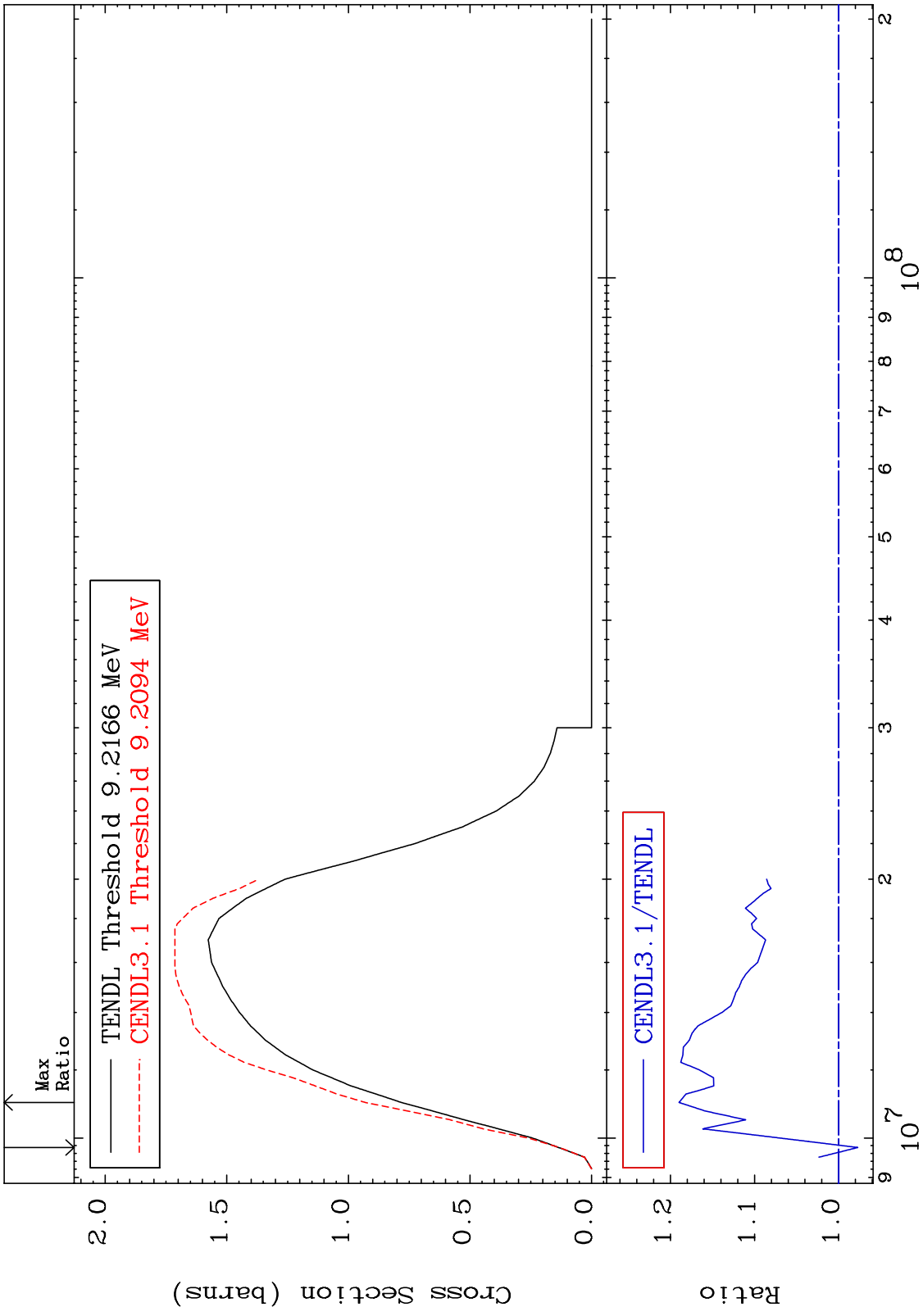
Incident Energy (eV)

53-I -127

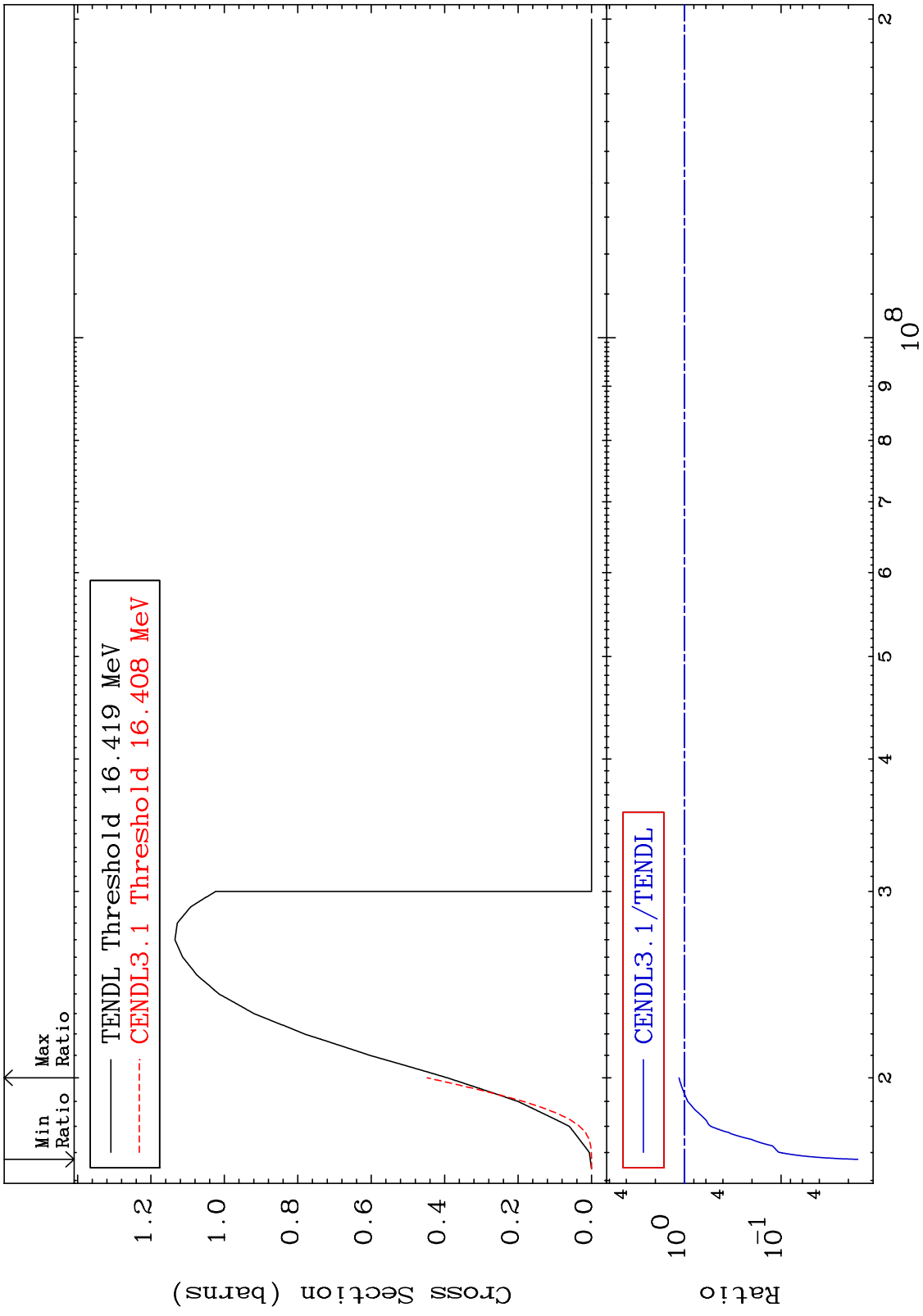
MAT 5325 Inelastic Cross Section 53-I -127 -66.45 To 66.85 %



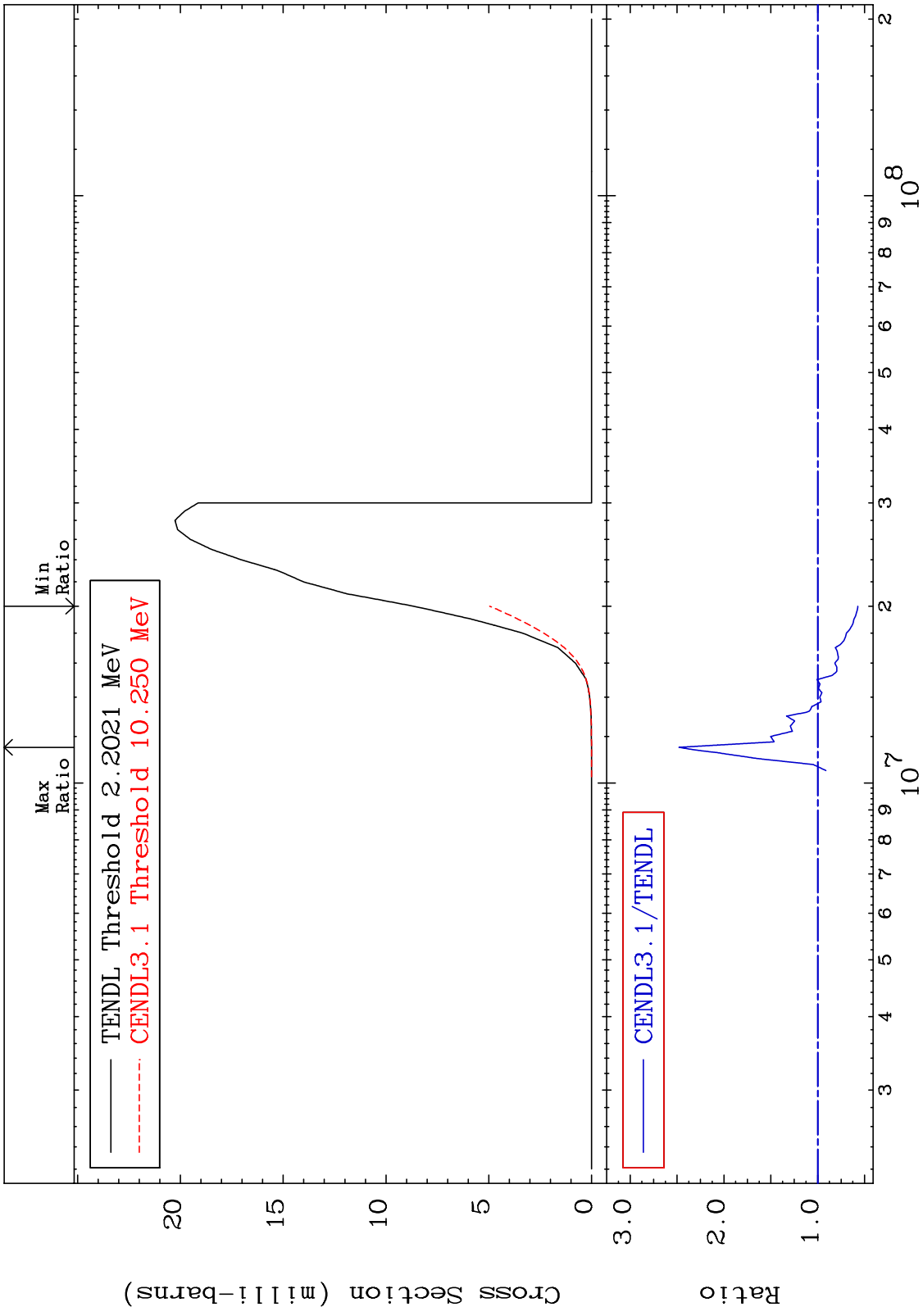
MAT 5325 (n,2n) Cross Section 53-I -127 -2.287 To 18.98 %



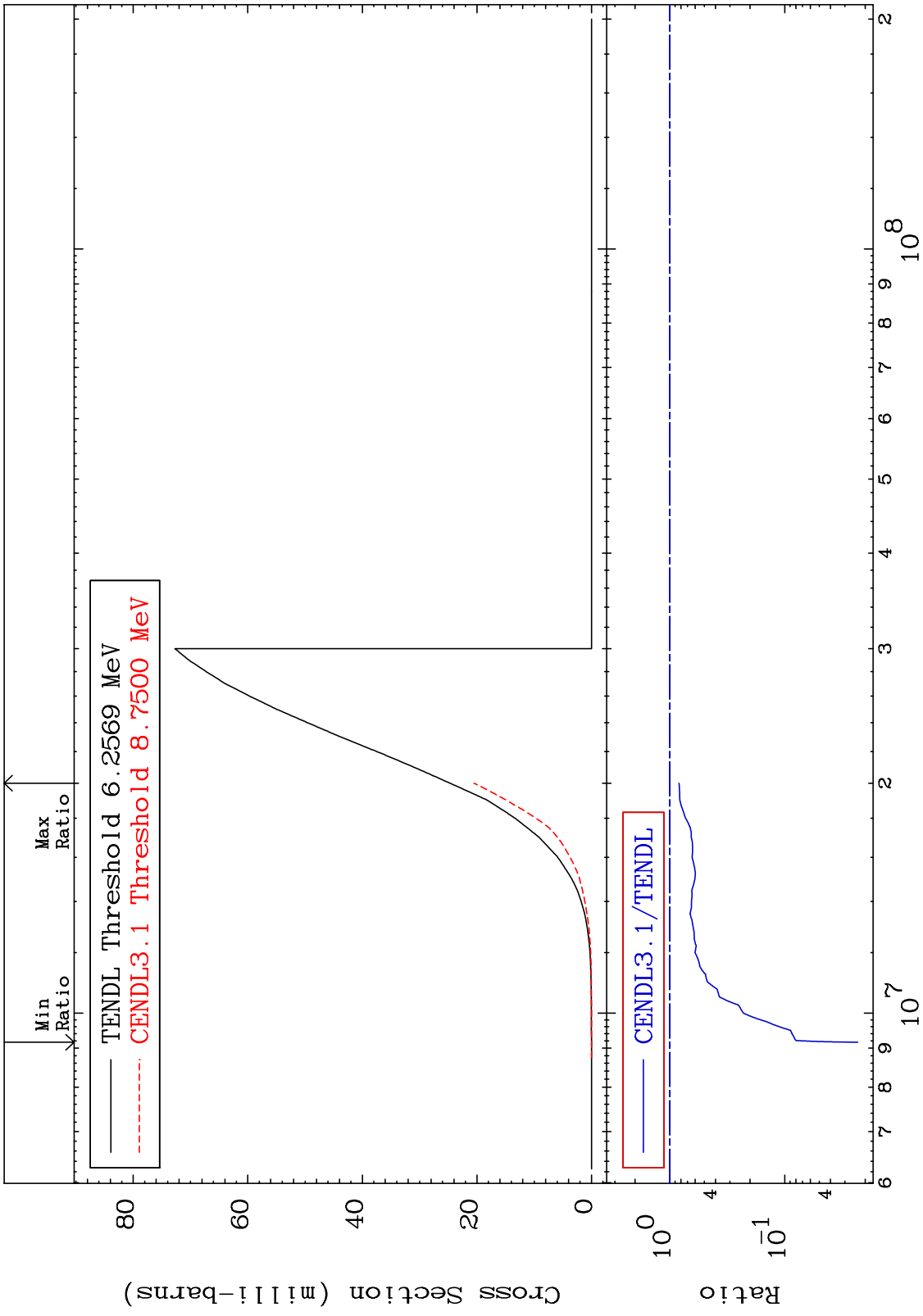
53-I -127



MAT 5325 $(n, n') \alpha$ 53-I -127
-42.80 To 147.9 %

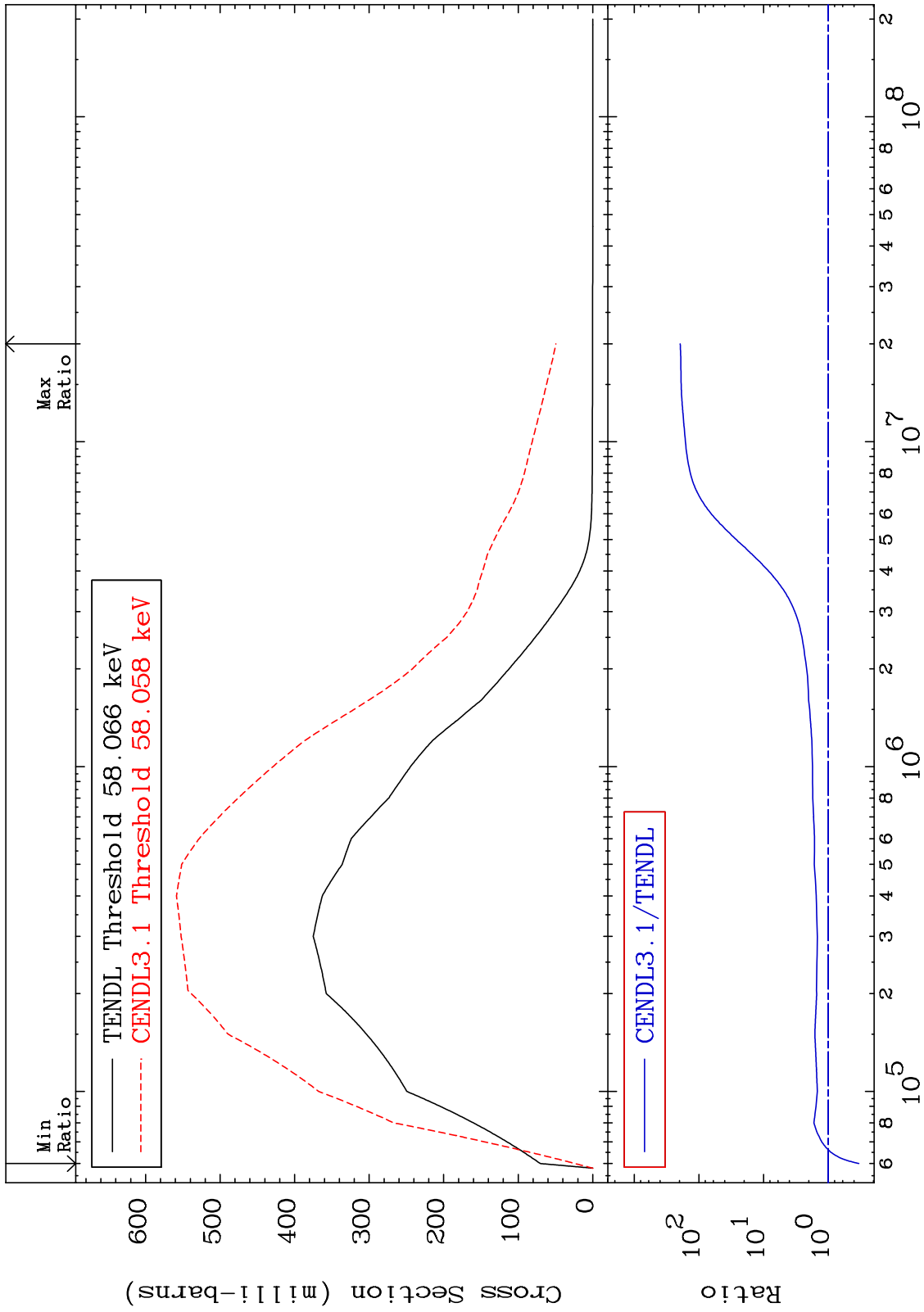


MAT 5325 (n, n') p 53-I -127
 Cross Section -97.68 To -17.04%



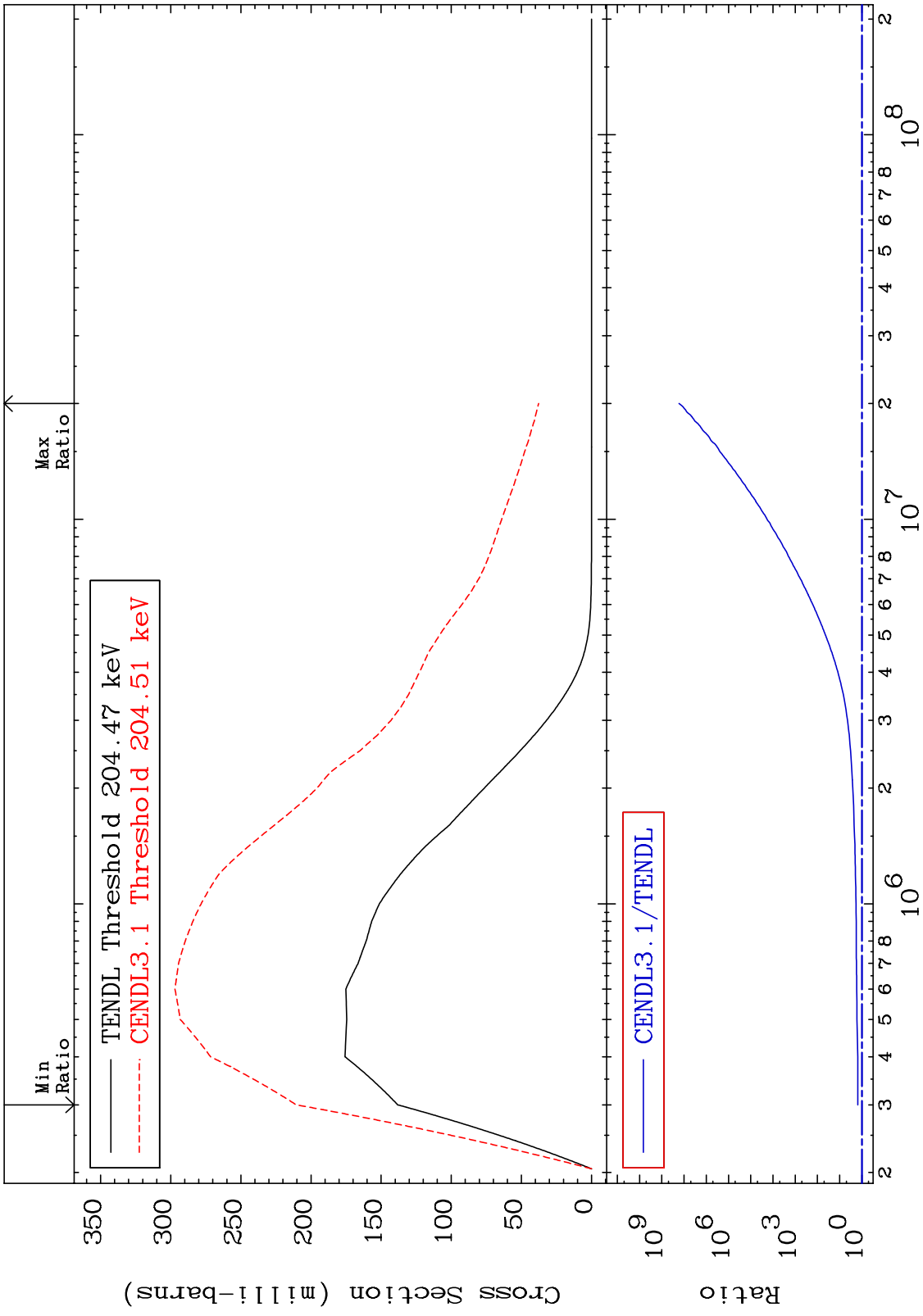
7 Incident Energy (eV) 53-I -127

MAT 5325 MT= 51 (n,n') Level Cross Section 53-I -127
-66.45 To 9999. %



8 53-I -127

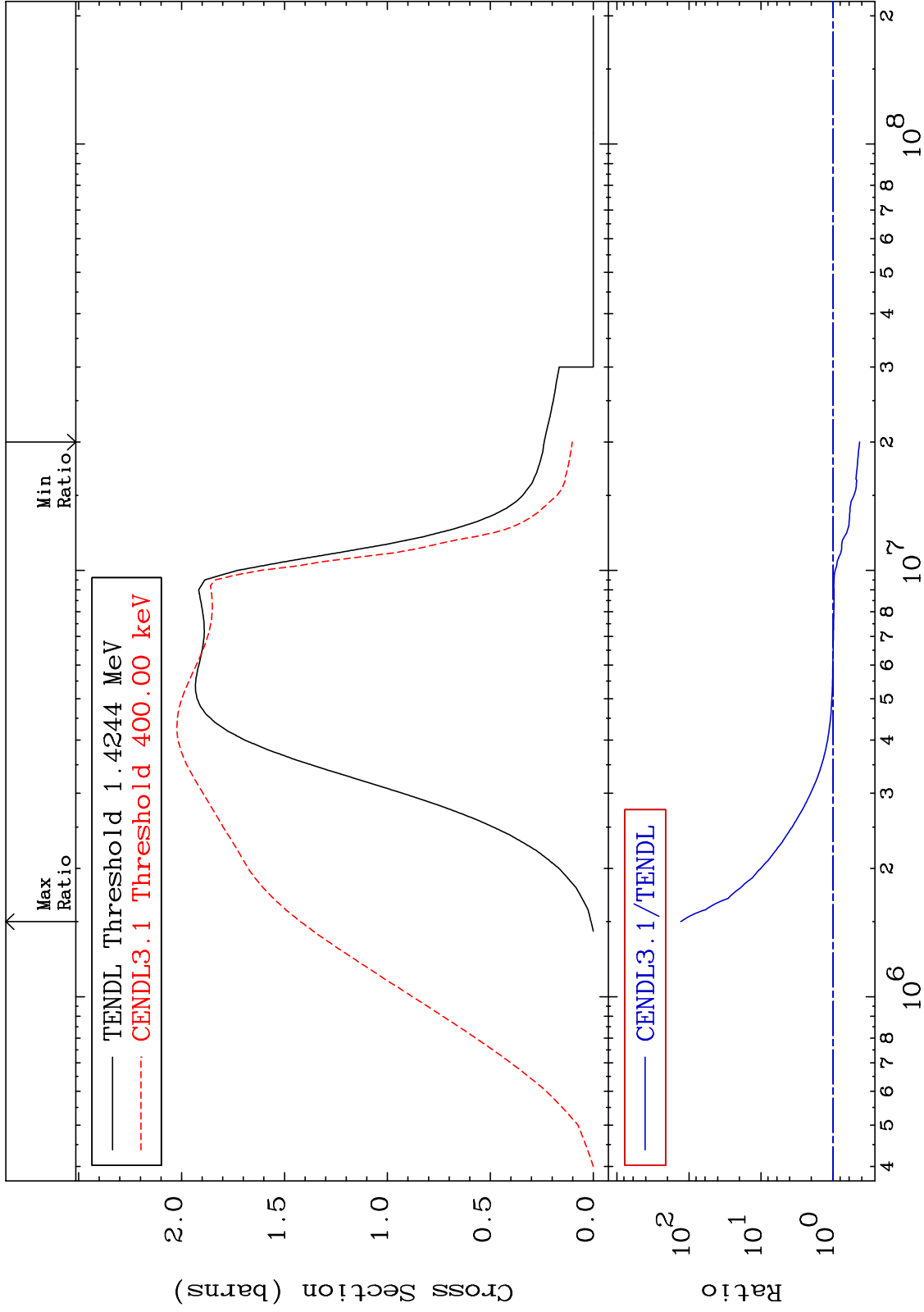
MAT 5325 MT= 52 (n,n') Level 53-I -127
 Cross Section 52.36 To 9999. %



MAT 5325

(n,n') Continuum
Cross Section

53-I -127
-57.27 To 9999. %



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Incident Energy (eV)

53-I -127

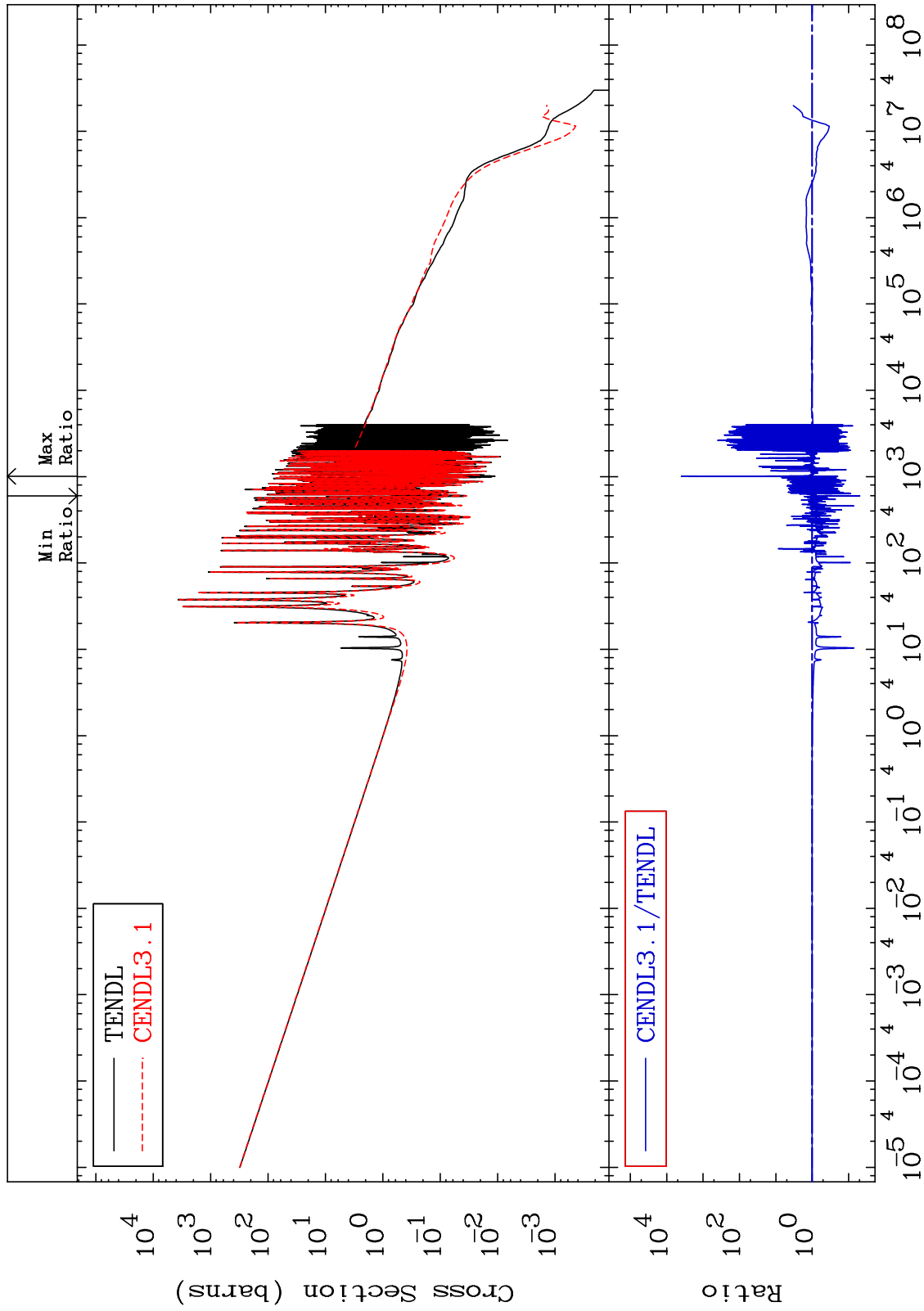
MAT 5325

(n, γ)

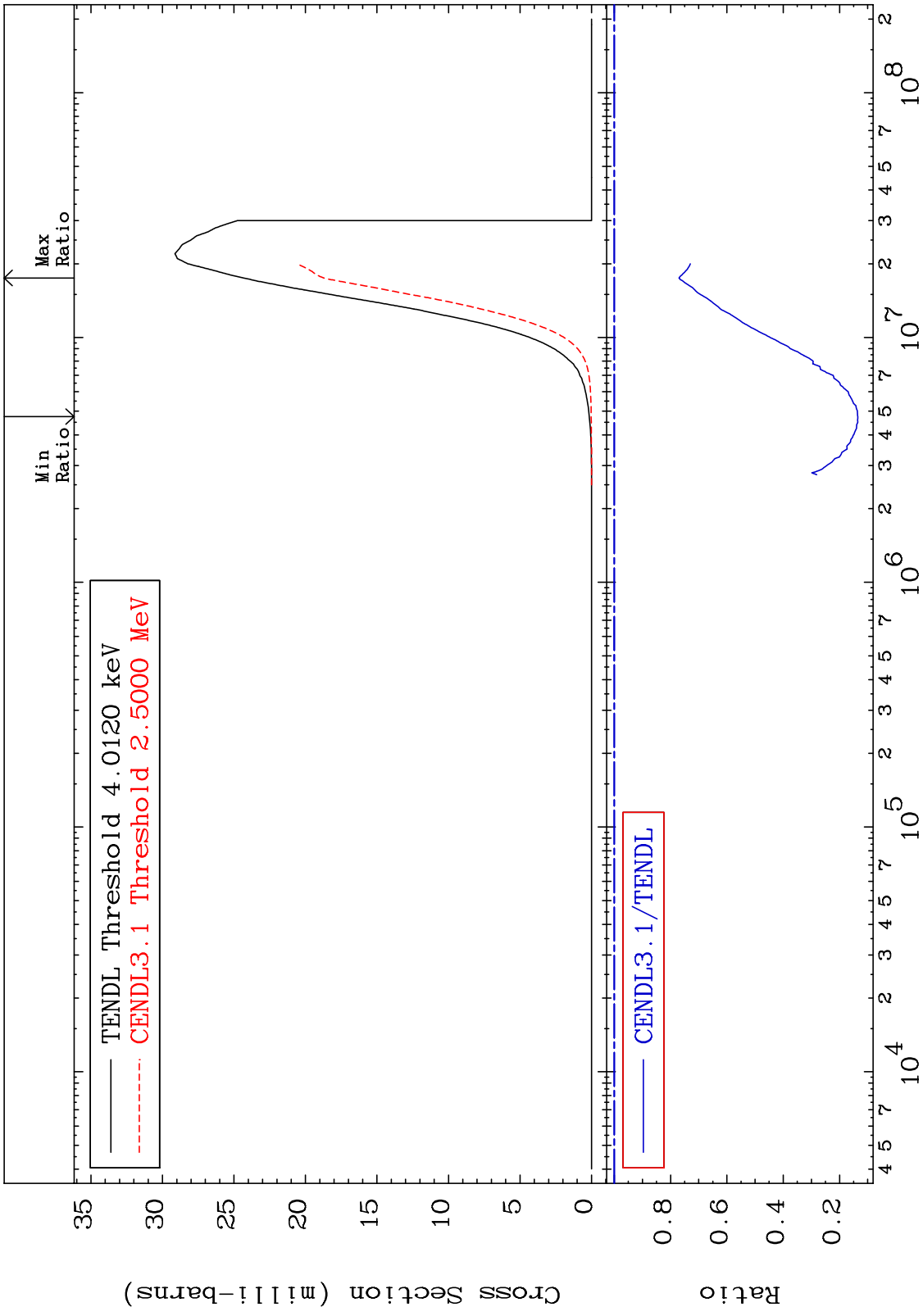
53-I -127

-95.08 To 9999. %

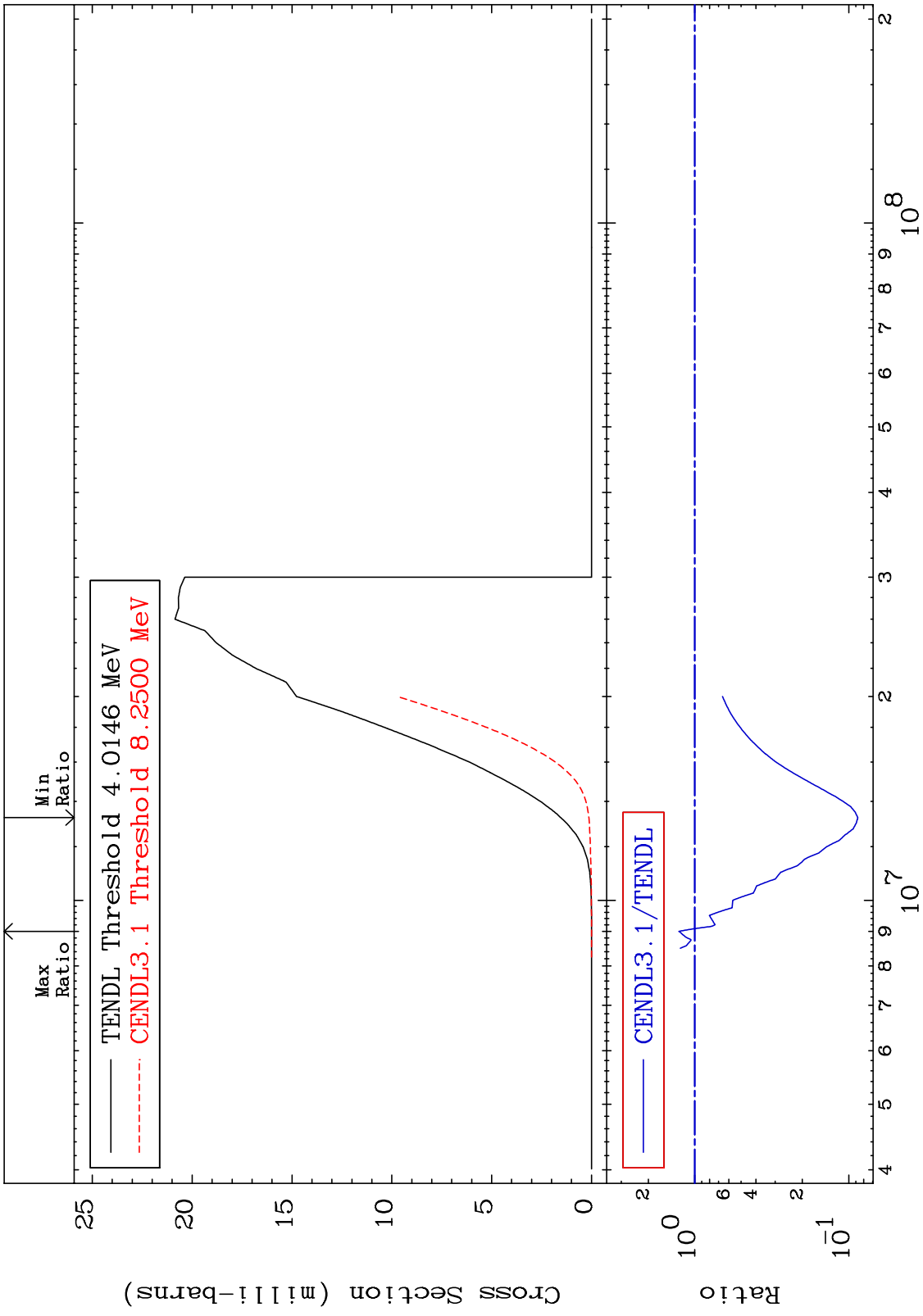
Cross Section



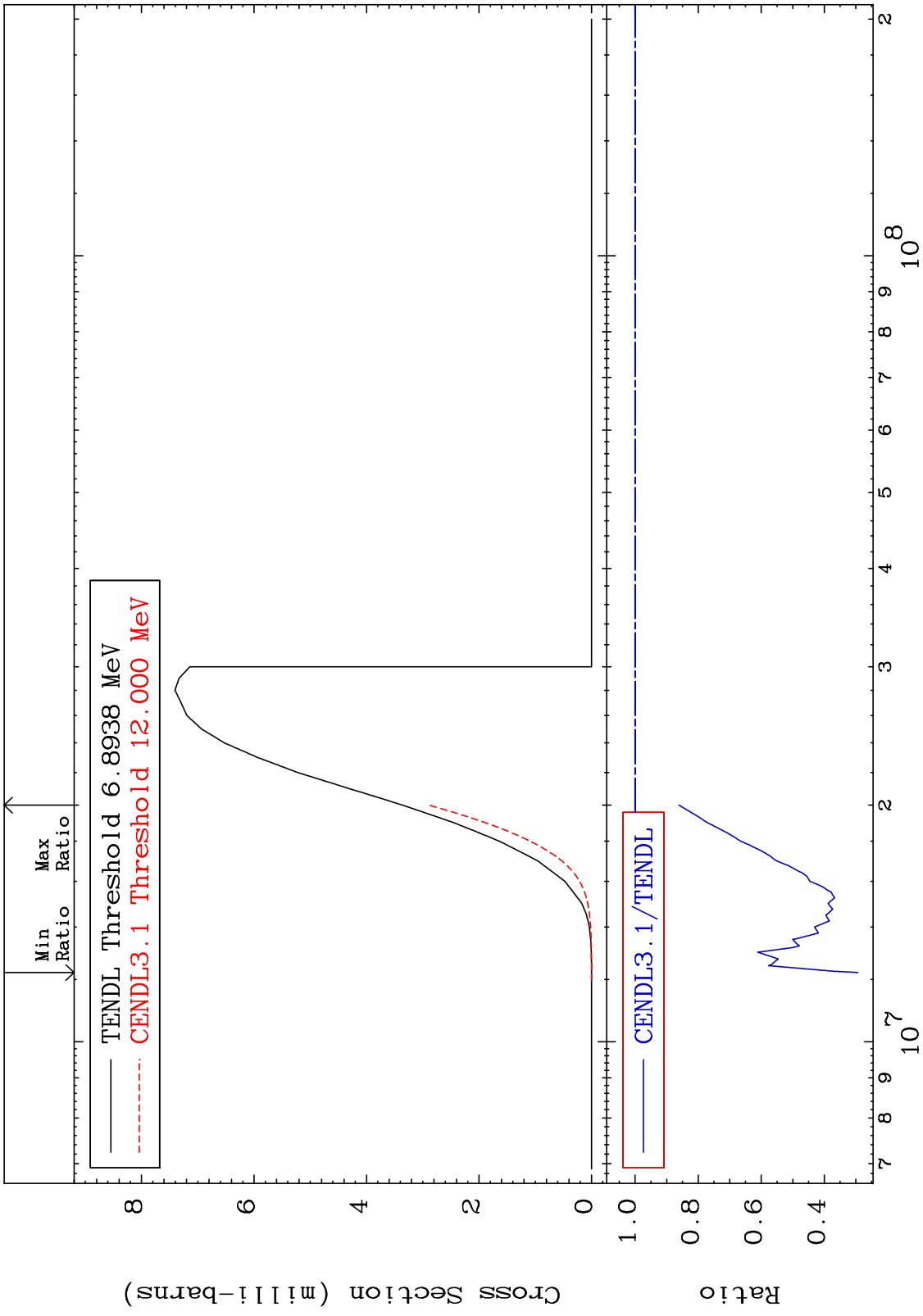
MAT 5325 (n,p) Cross Section 53-I -127 -86.50 To -23.00%



MAT 5325 (n,d) Cross Section 53-I -127 -91.27 To 26.30 %



MAT 5325 (n,t) Cross Section 53-I -127
 -70.62 To -13.92%



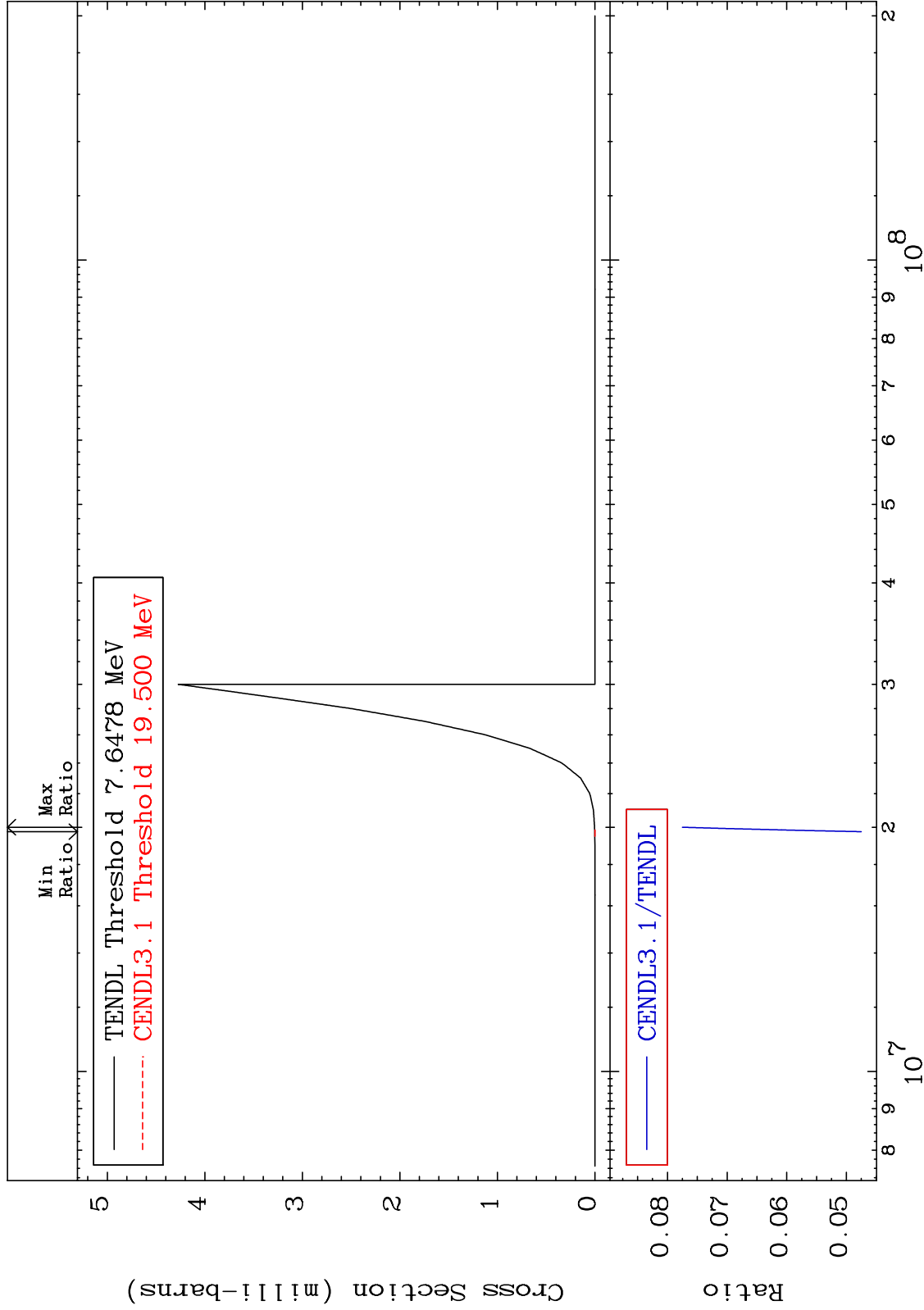
MAT 5325

(n, He-3)

53-I -127

Cross Section

-95.25 To -92.25%

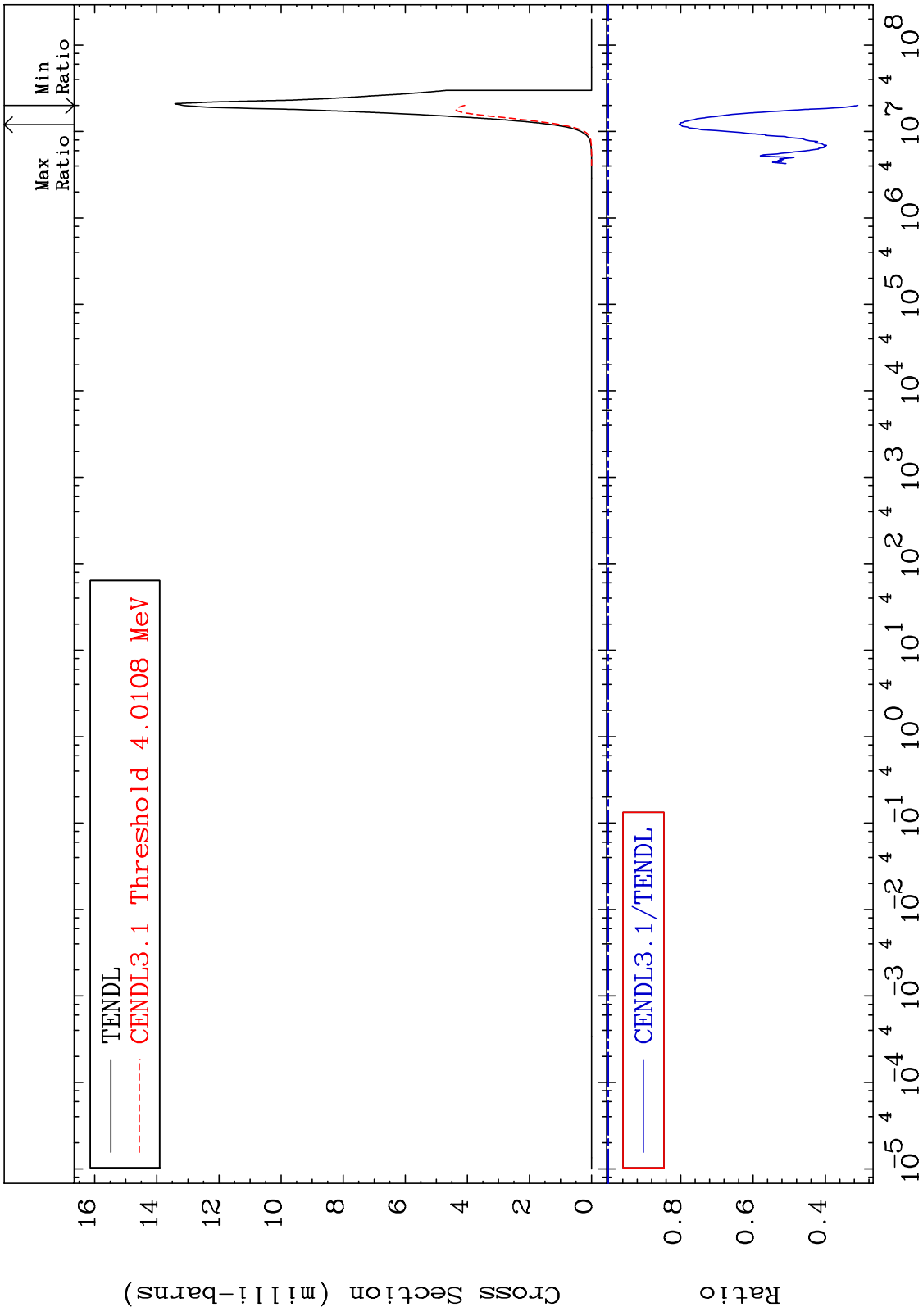


15

Incident Energy (eV)

53-I -127

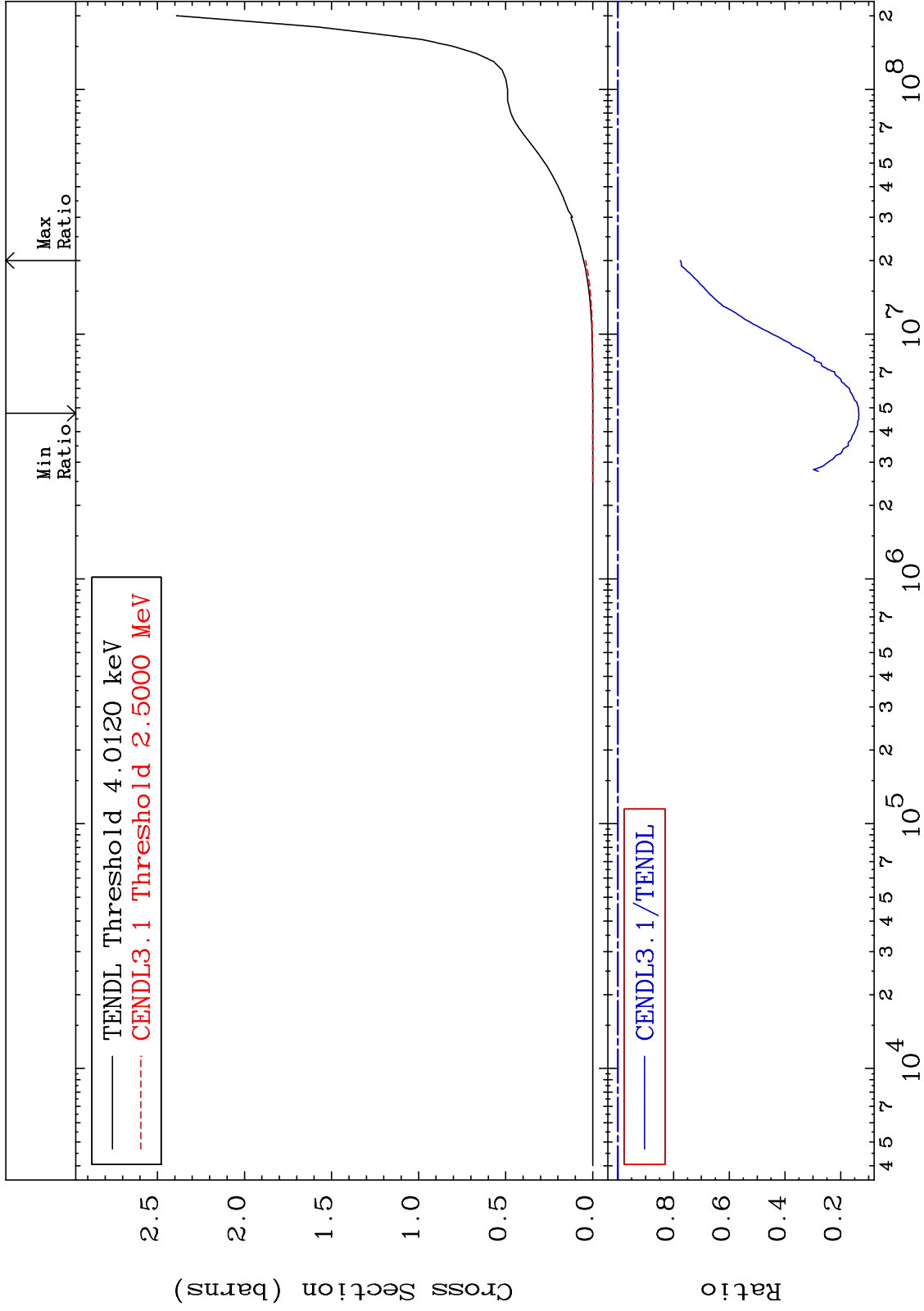
MAT 5325 (n,α) Cross Section 53-I -127 -68.95 To -19.55%



MAT 5325

Hydrogen Production
Cross Section

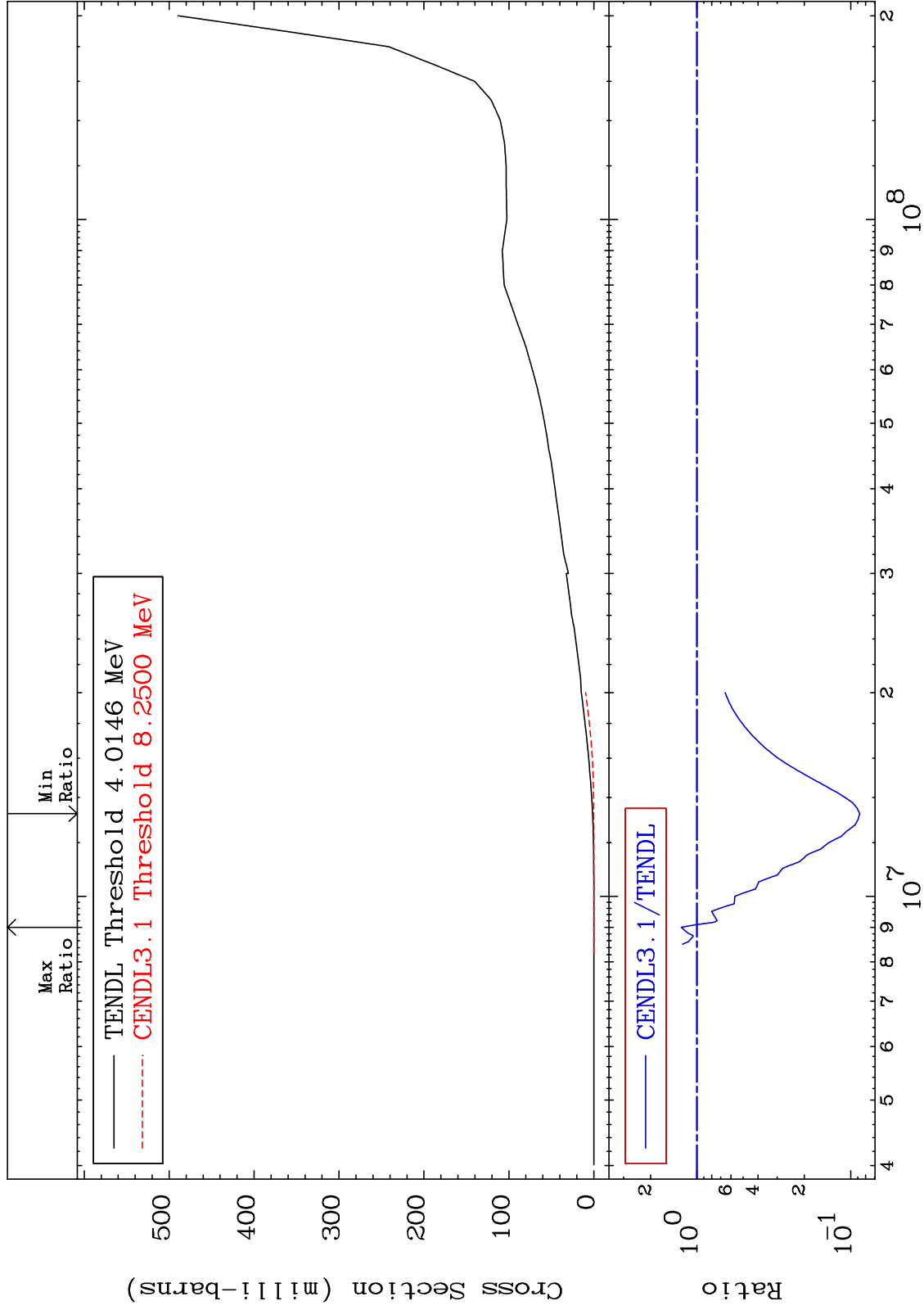
53-I -127
-86.50 To -22.39%



MAT 5325

Deuterium Production
Cross Section

53-I -127
-91.27 To 26.30 %



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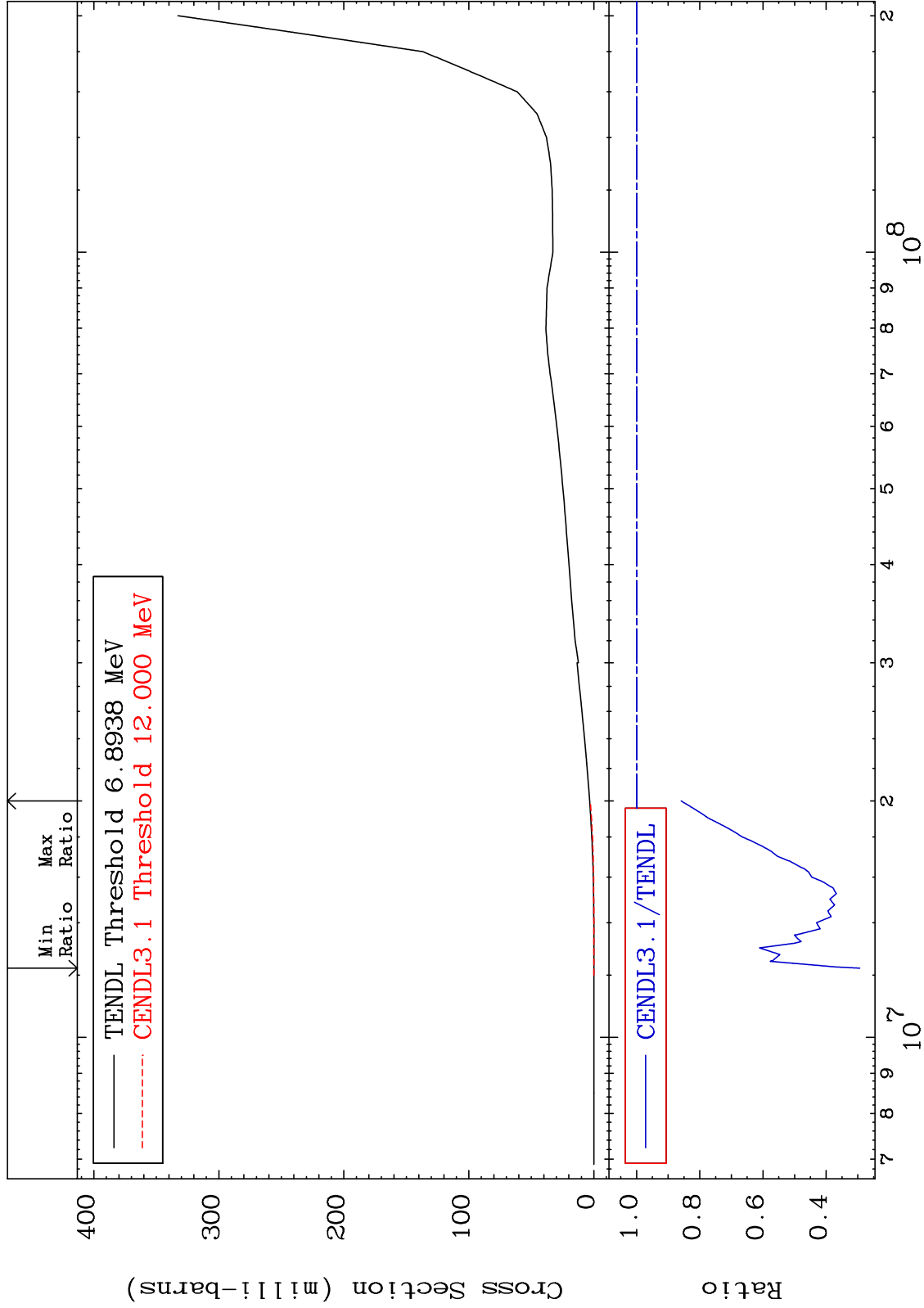
Incident Energy (eV)

53-I -127

MAT 5325

Tritium Production
Cross Section

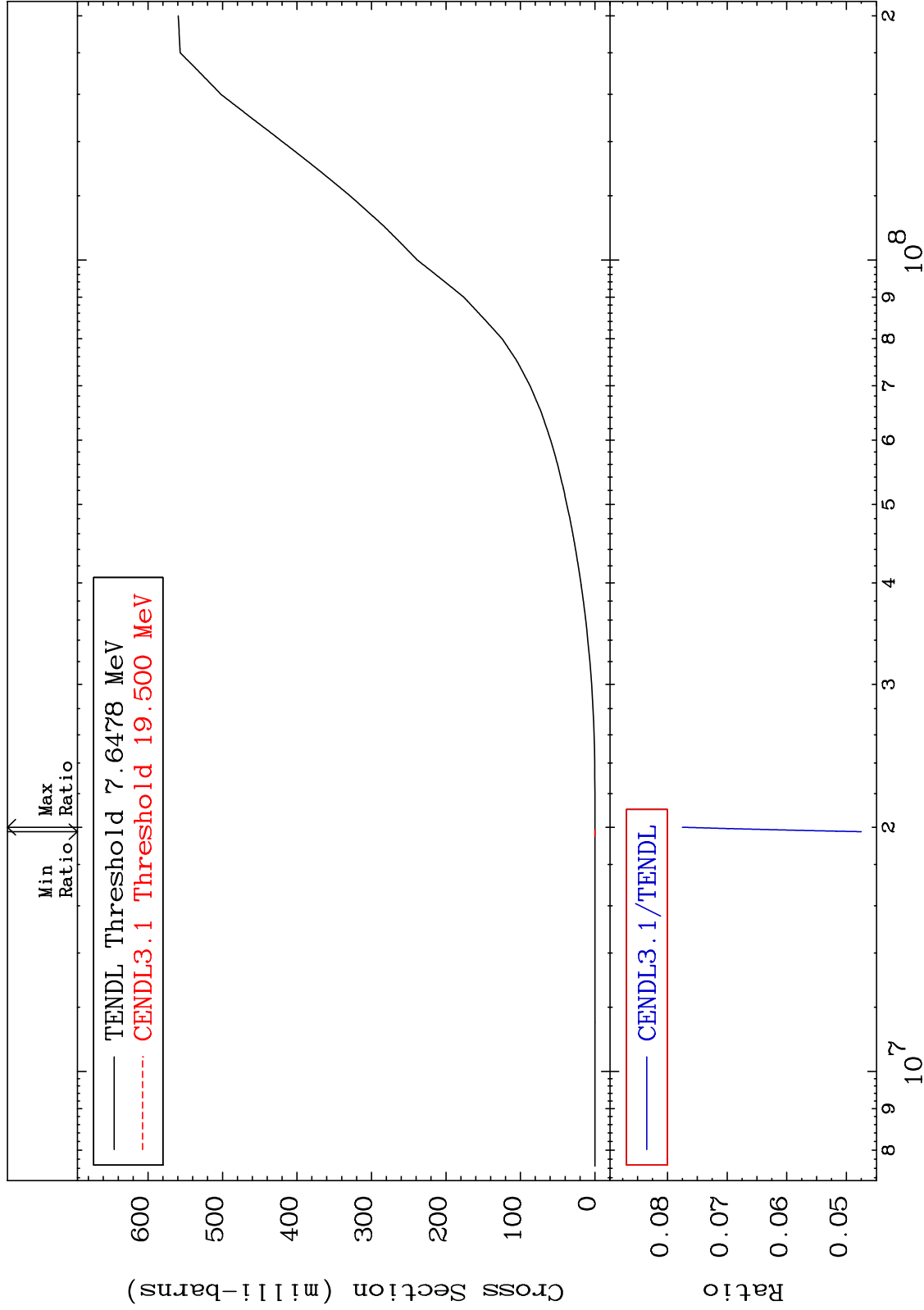
53-I -127
-70.62 To -14.13%



MAT 5325

He-3 Production
Cross Section

53-I -127
-95.25 To -92.25%



20

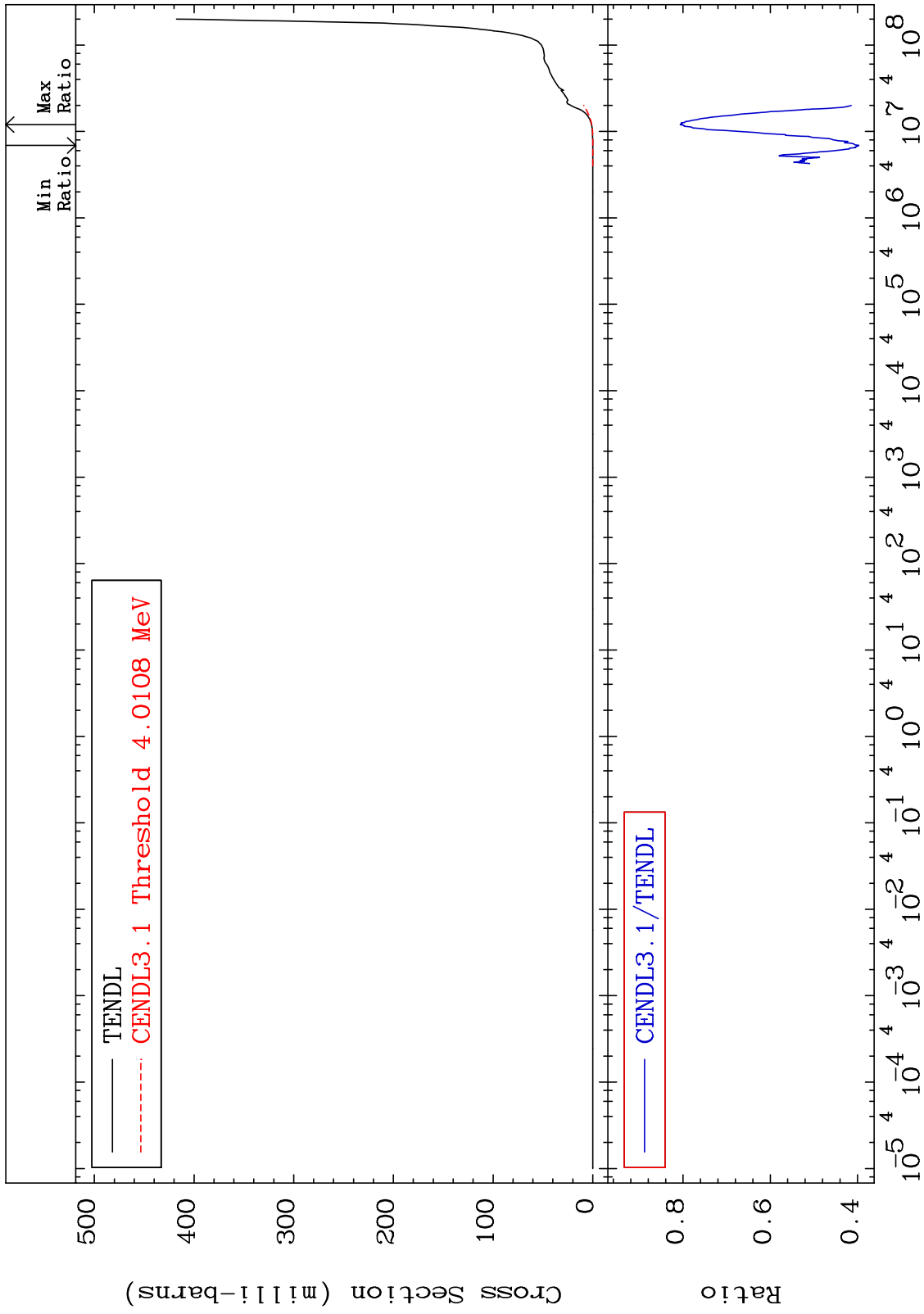
Incident Energy (eV)

53-I -127

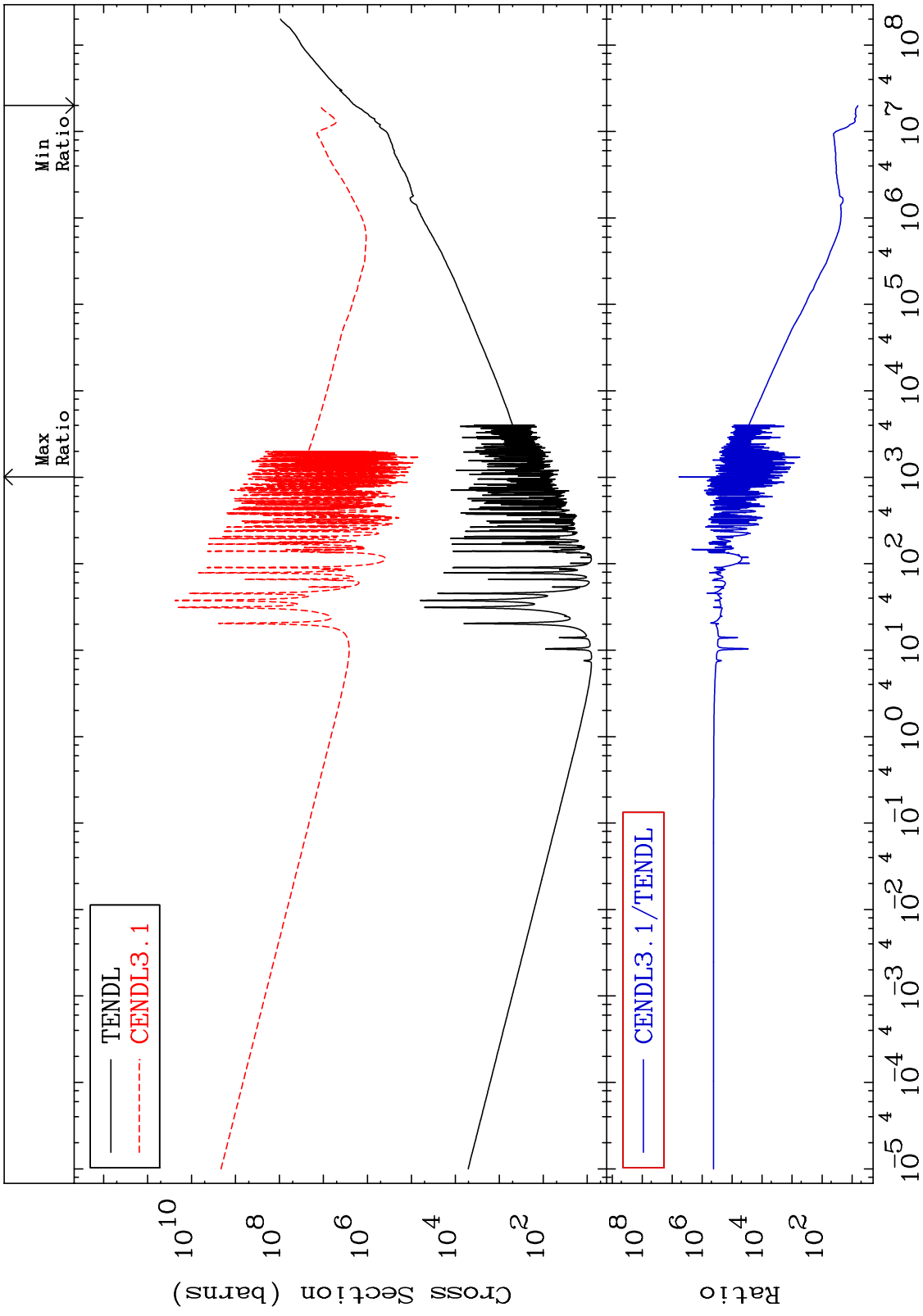
MAT 5325

He-4 Production
Cross Section

53-I -127
-60.33 To -19.34%



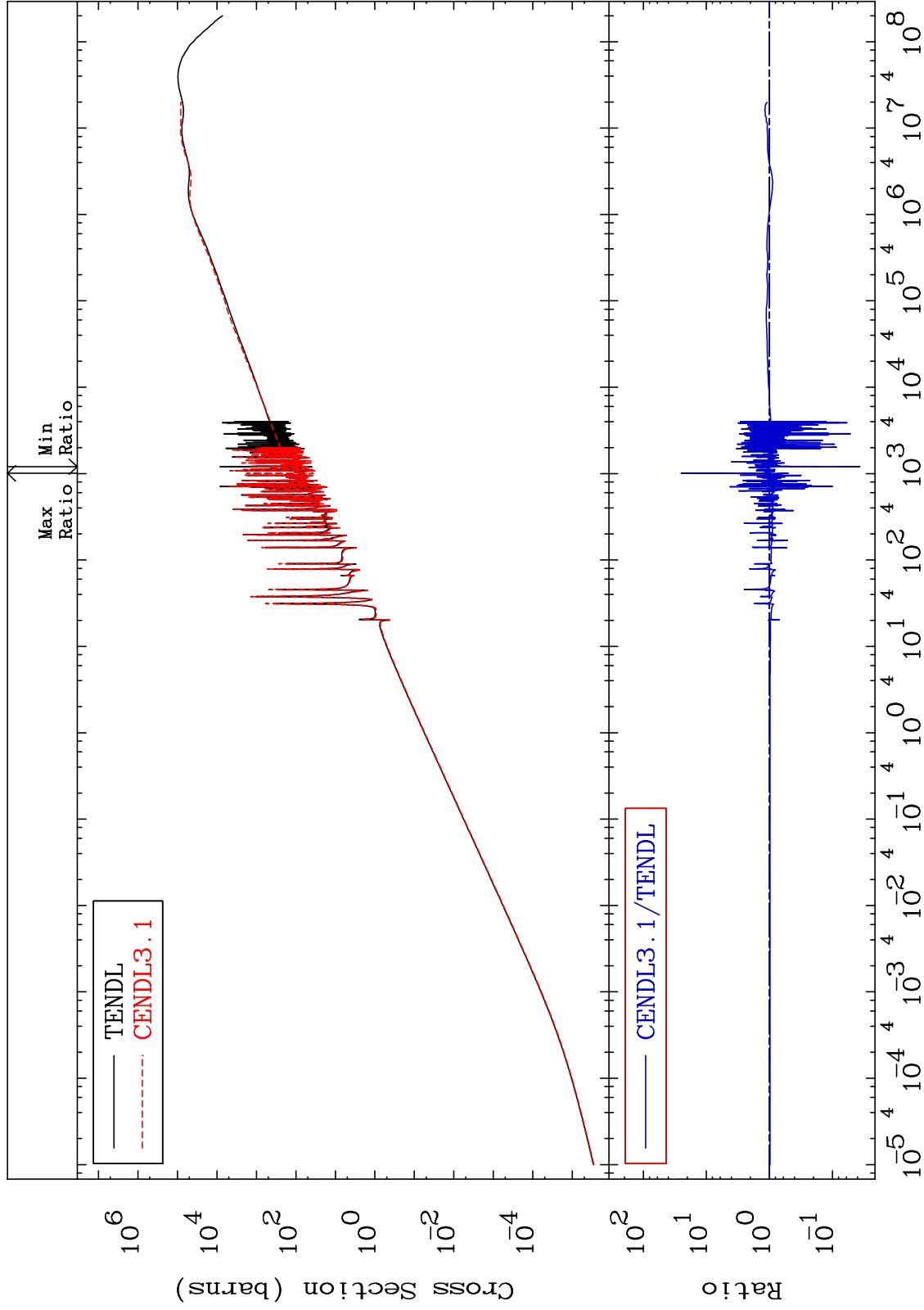
MAT 5325 Kerma total (eV-barns) 53-I -127
 Cross Section 539.9 To 9999. %



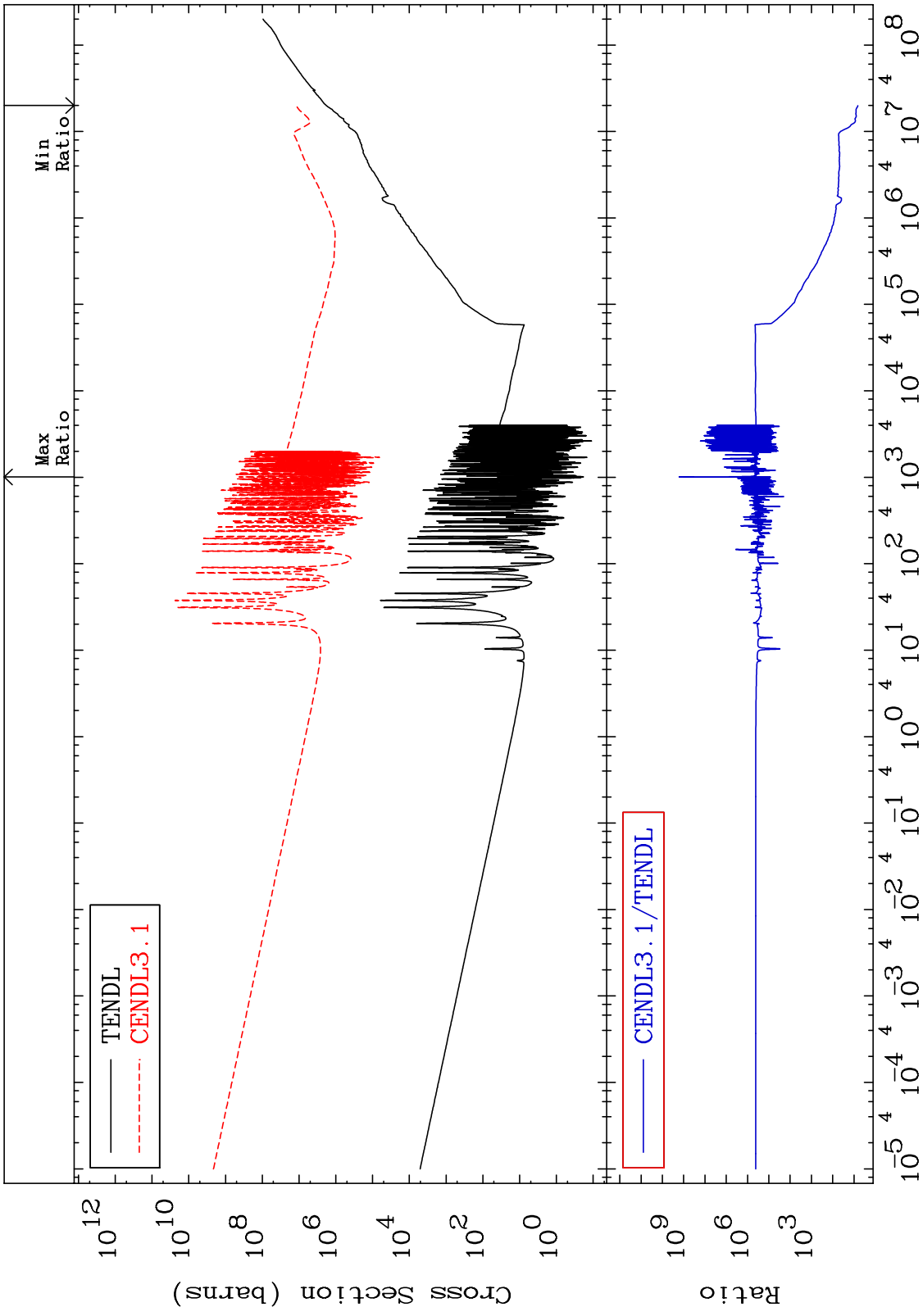
MAT 5325

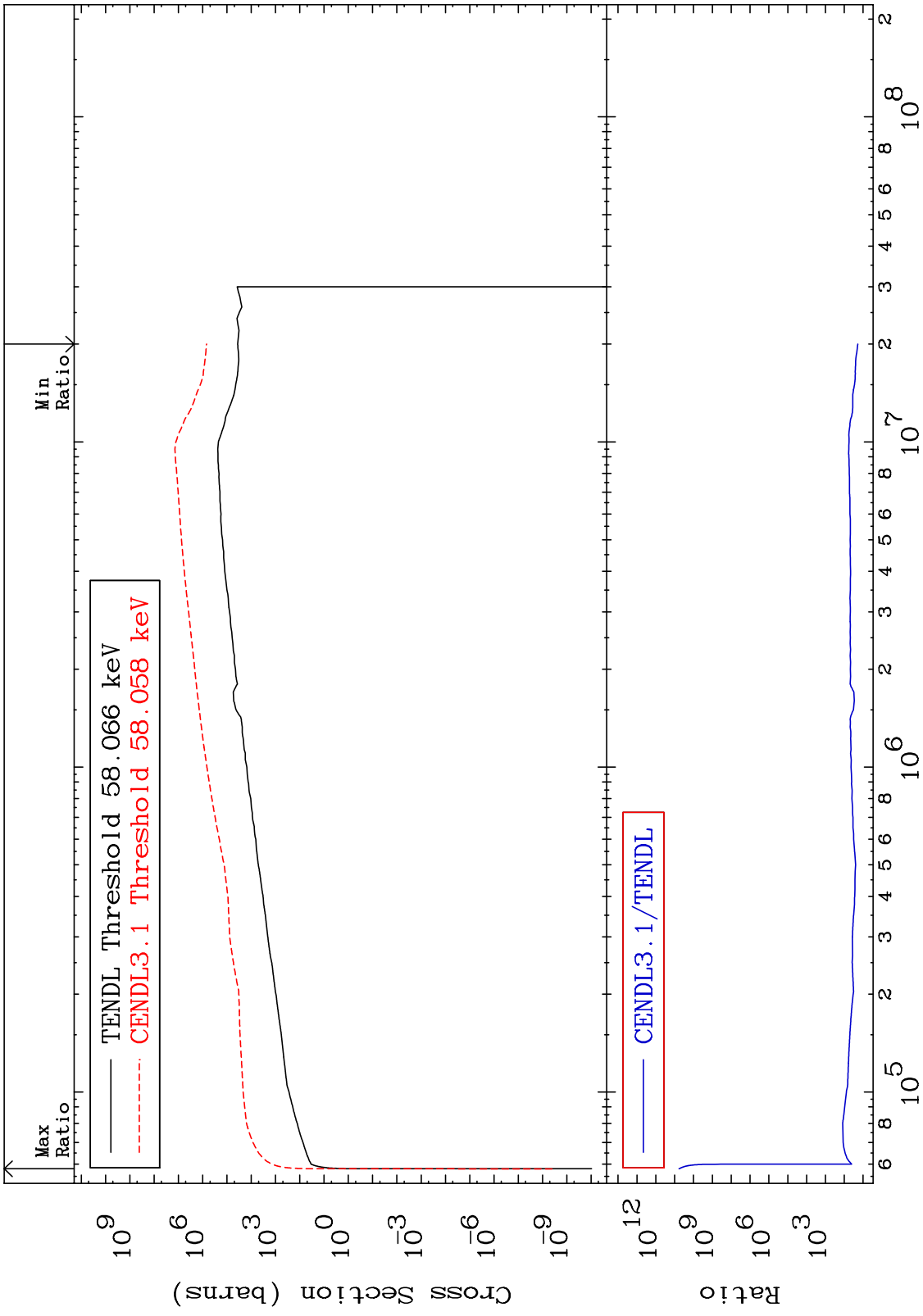
Kerma elastic
Cross Section

53-I -127
-96.33 To 2402. %



MAT 5325 Kerma non-elastic (all but mt2) Cross Section 53-I -127 561.7 To 9999. %

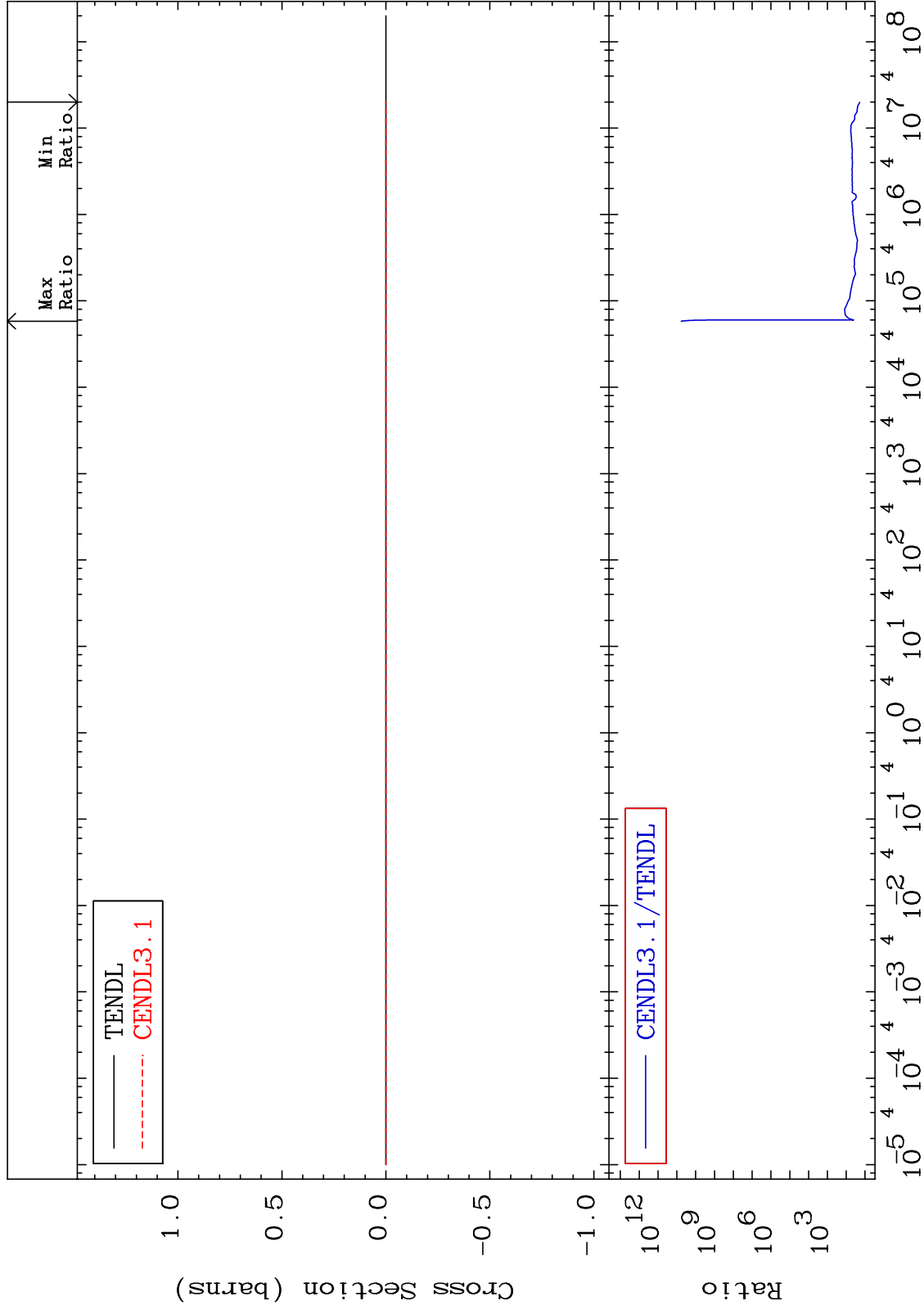




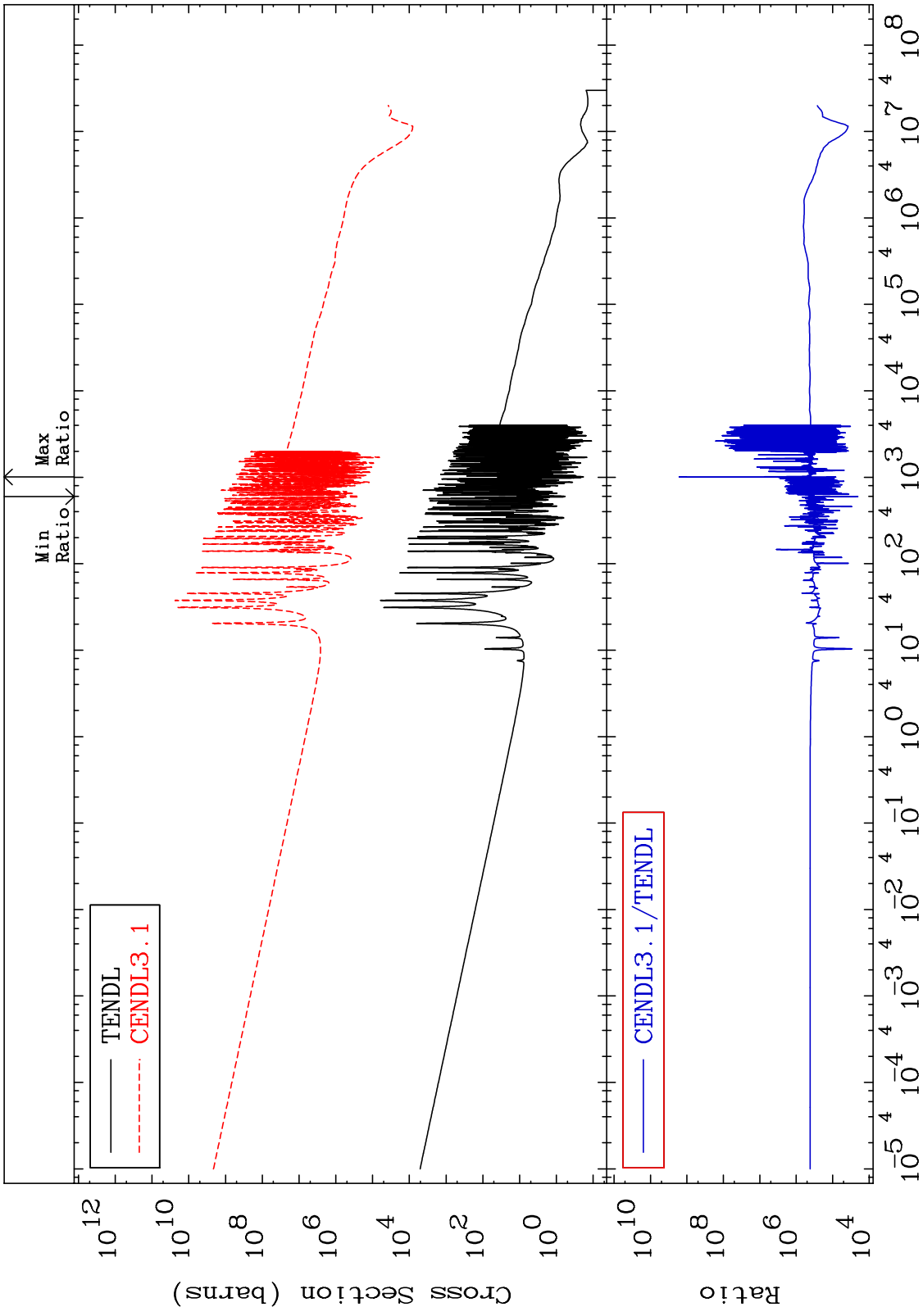
MAT 5325

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

53-I -127
1810. To 9999. %



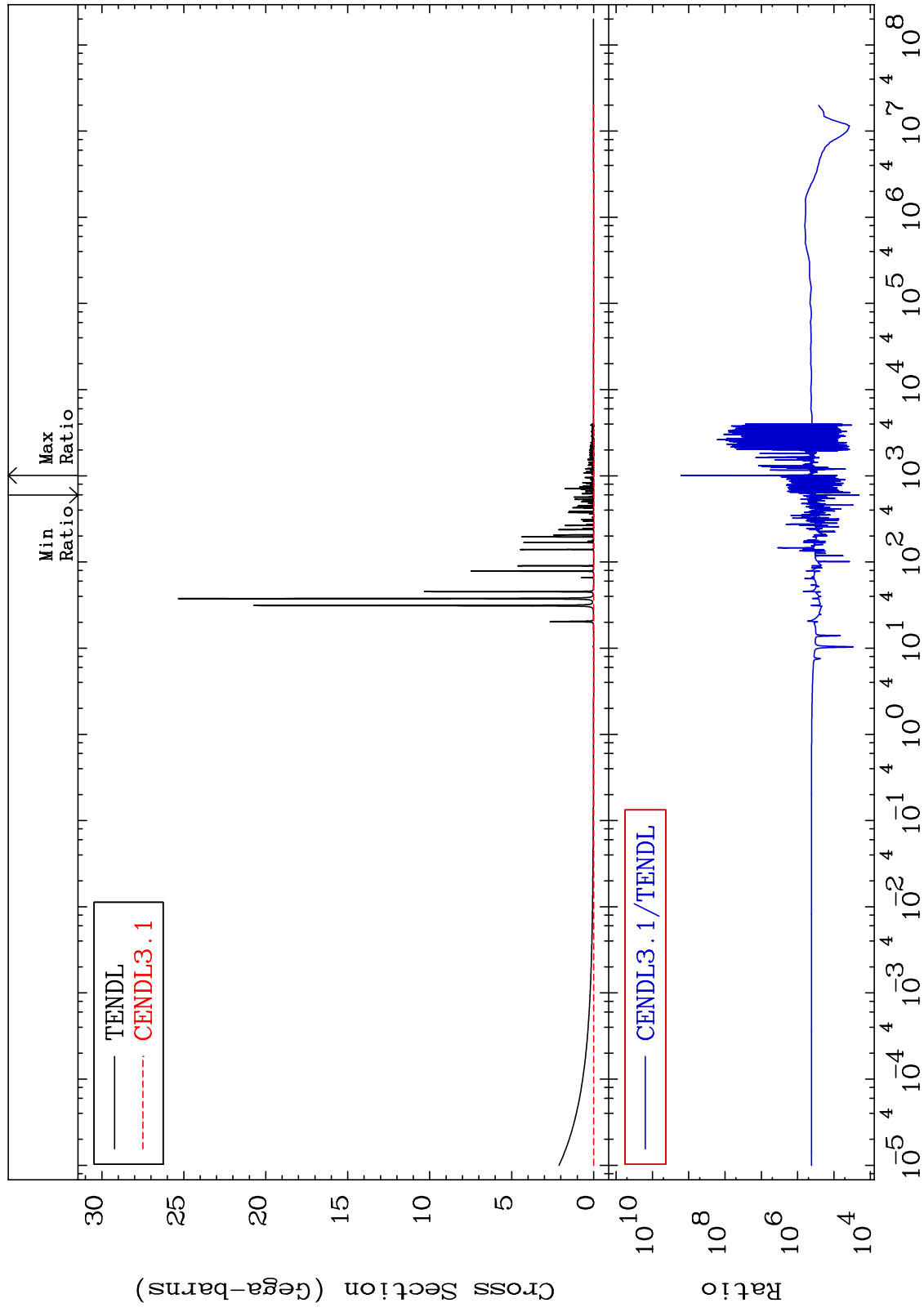
MAT 5325 Kerma capture (mt102) 53-I -127
 Cross Section 9999. To 9999. %



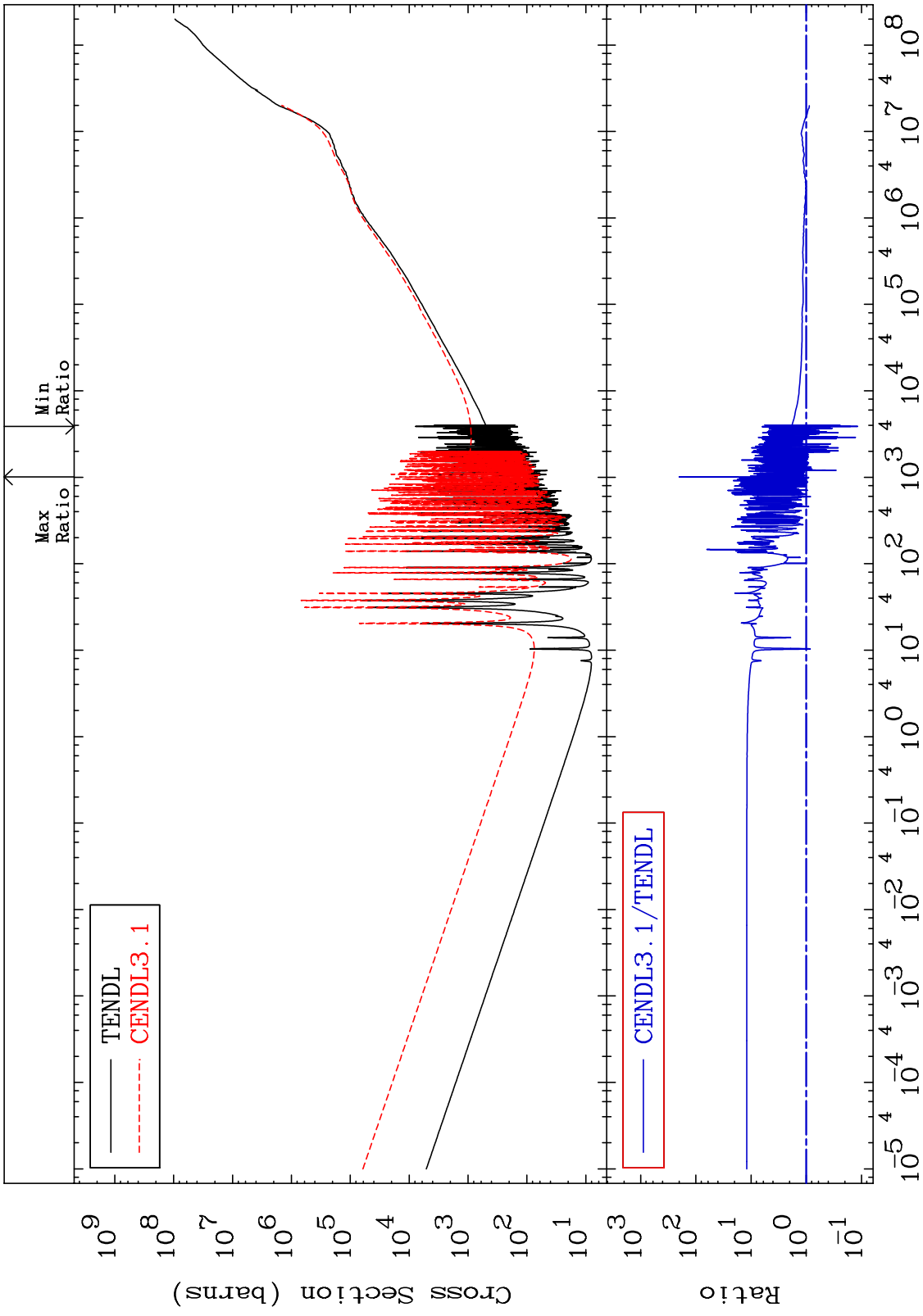
MAT 5325

Total photon (eV-barns)
Cross Section

53-I -127
9999. To 9999. %



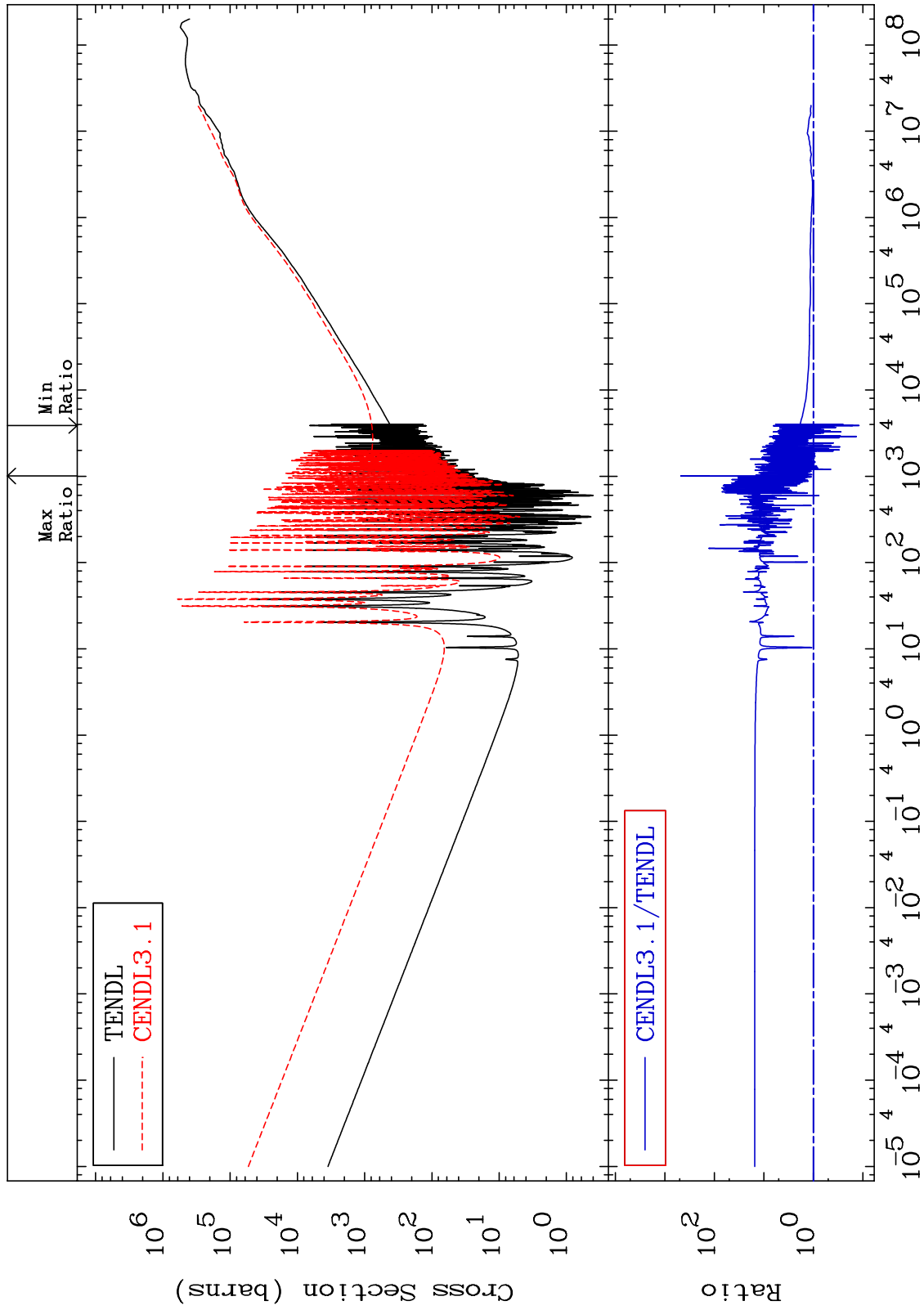
MAT 5325 Total kinematic kerma (high limit) 53-I -127
 Cross Section -88.36 To 9999. %



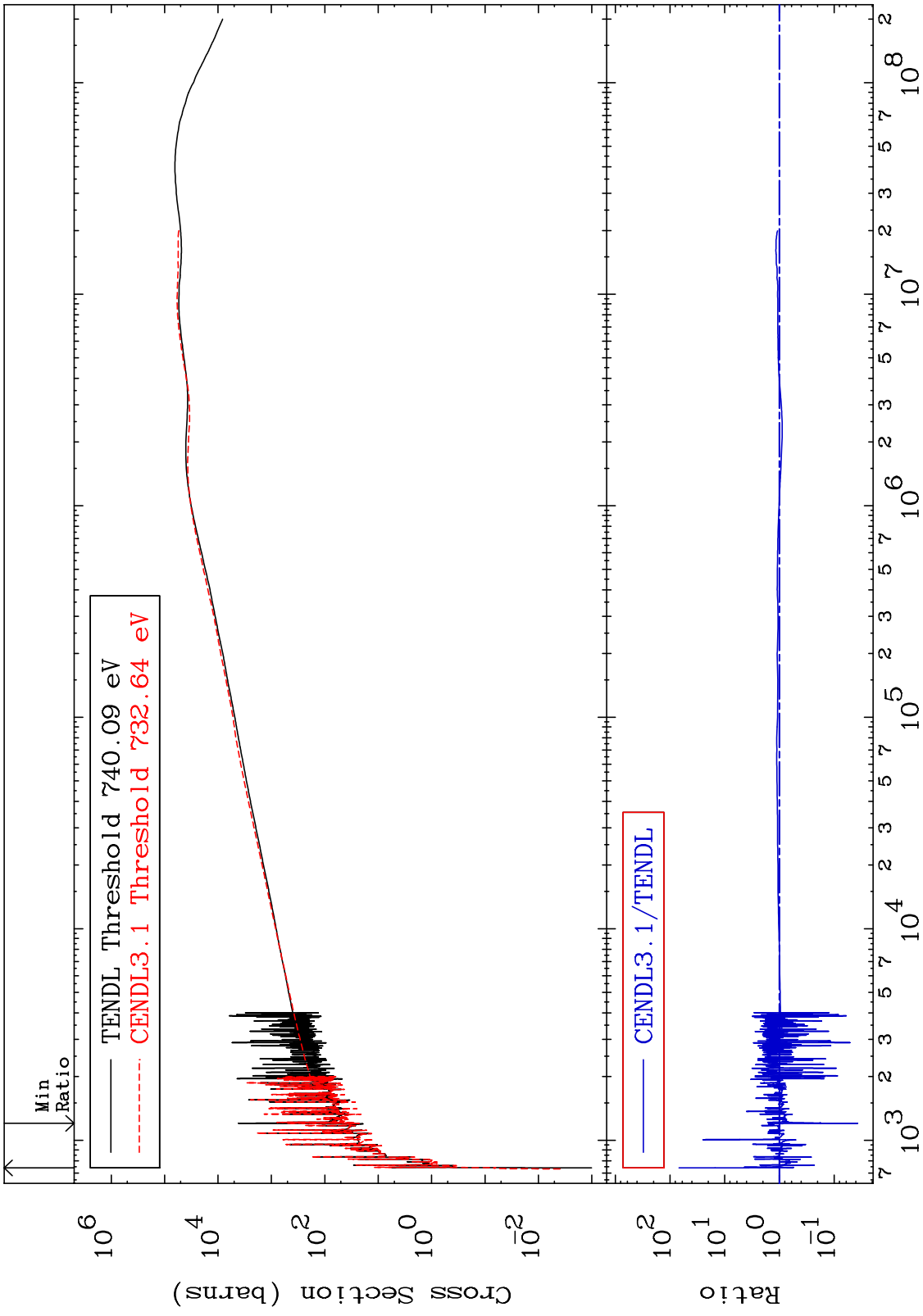
MAT 5325

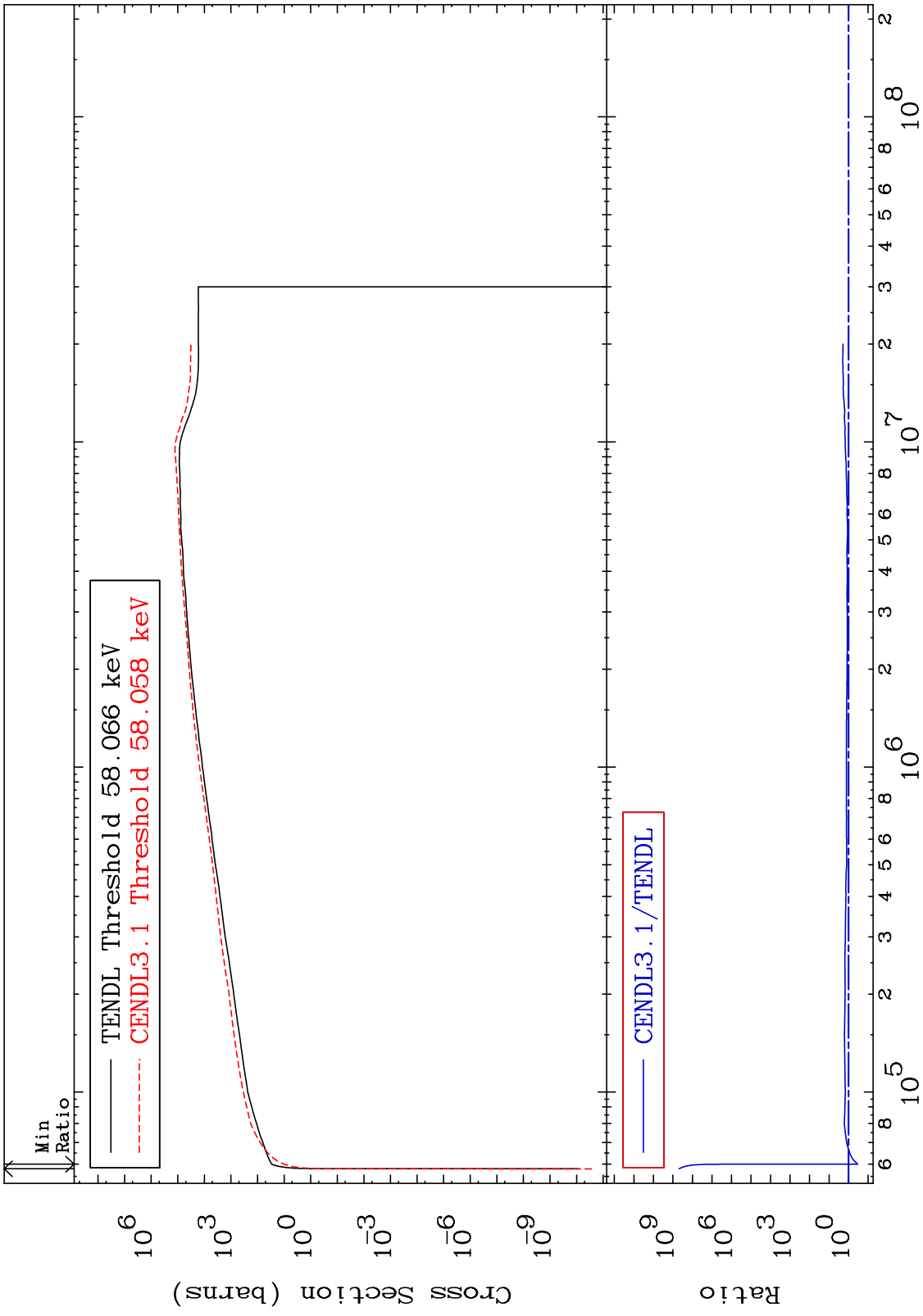
Dpa total (eV-barns)
Cross Section

53-I -127
-88.06 To 9999. %



MAT 5325 Dpa elastic (mt2) 53-I -127
 Cross Section -96.32 To 6740. %

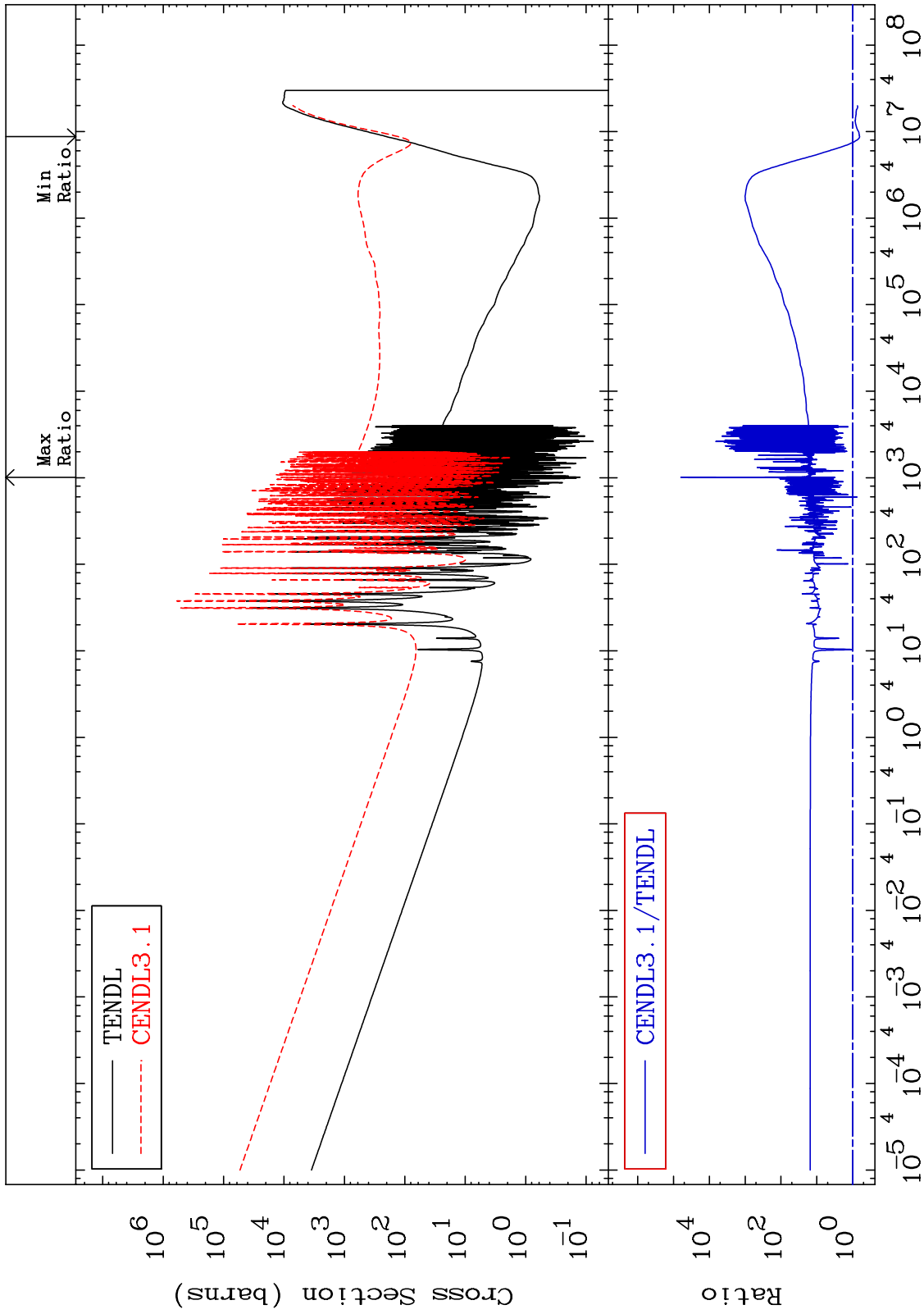




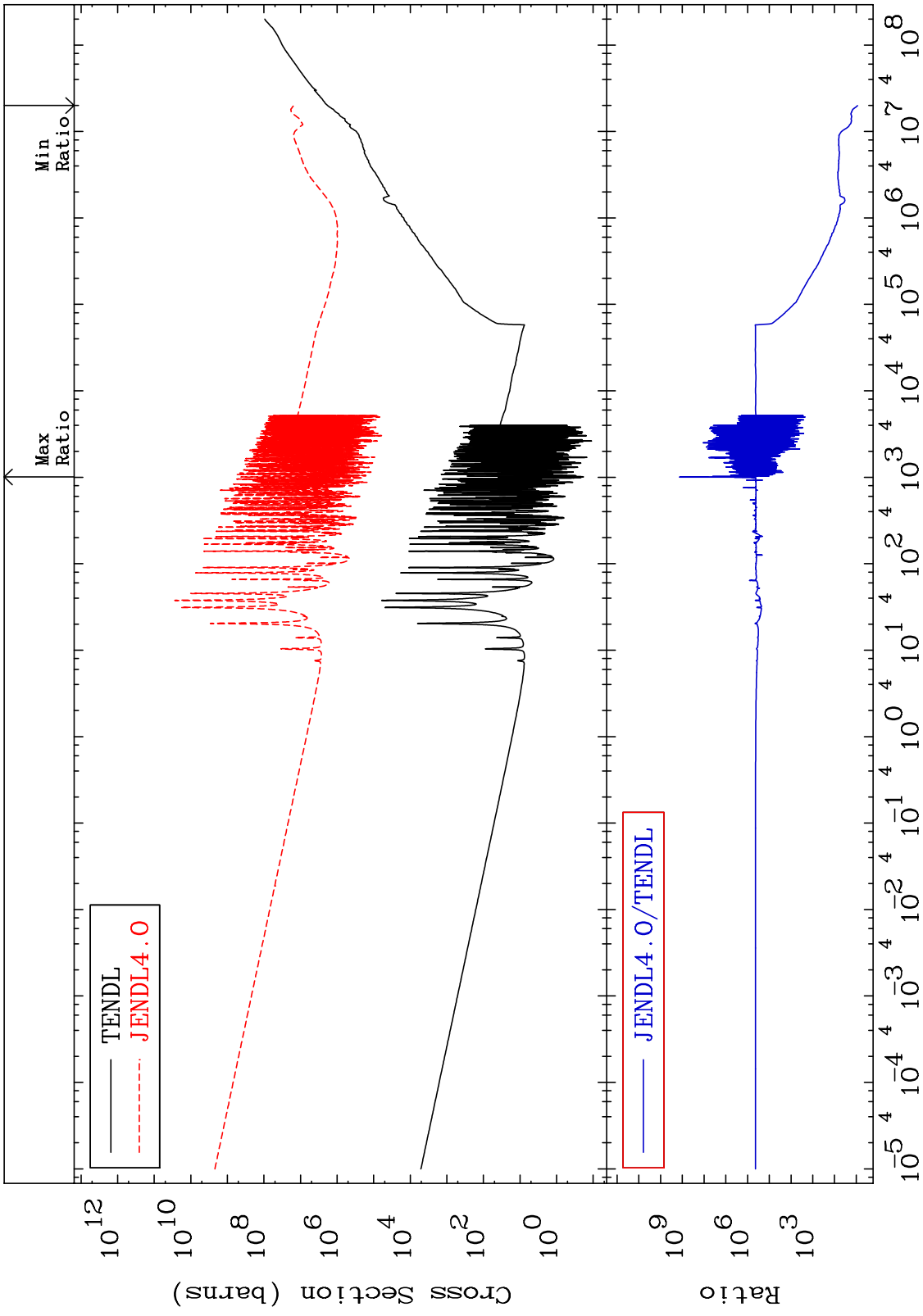
MAT 5325

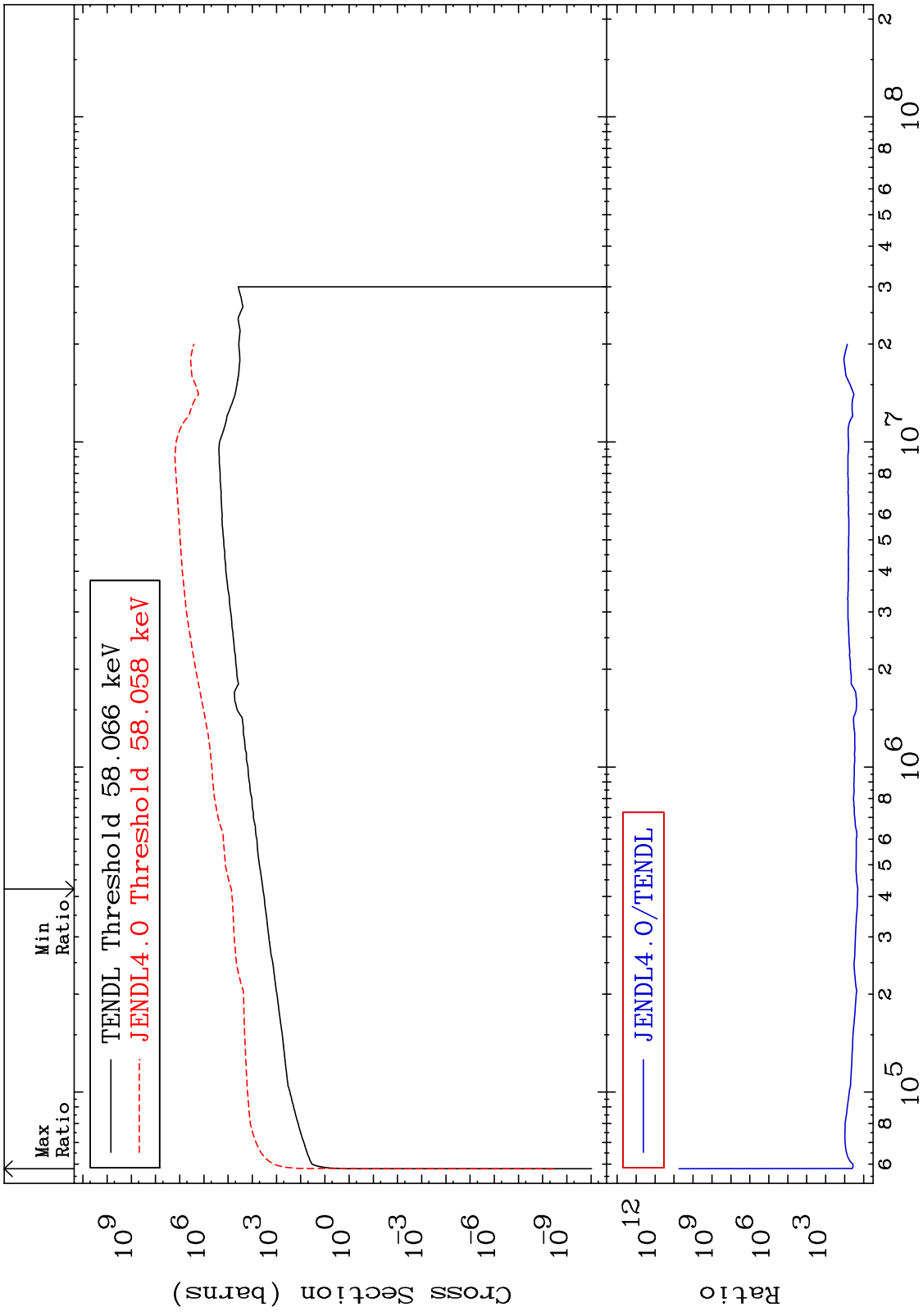
Dpa disappearance (mt102 -120)
Cross Section

53-I -127
-36.22 To 9999. %



MAT 5325 Kerma non-elastic (all but mt2) 53-I -127
 Cross Section 743.9 To 9999. %

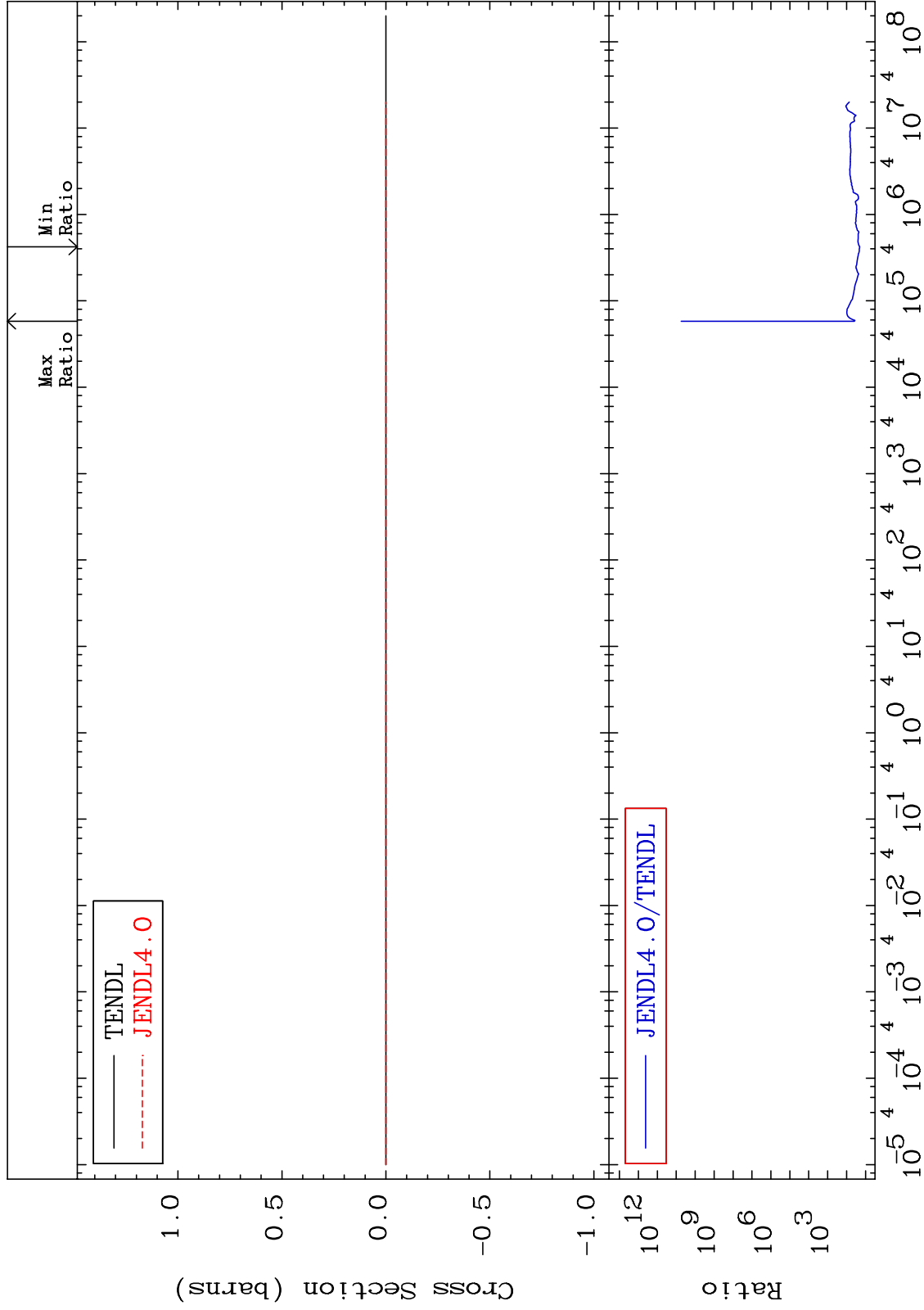


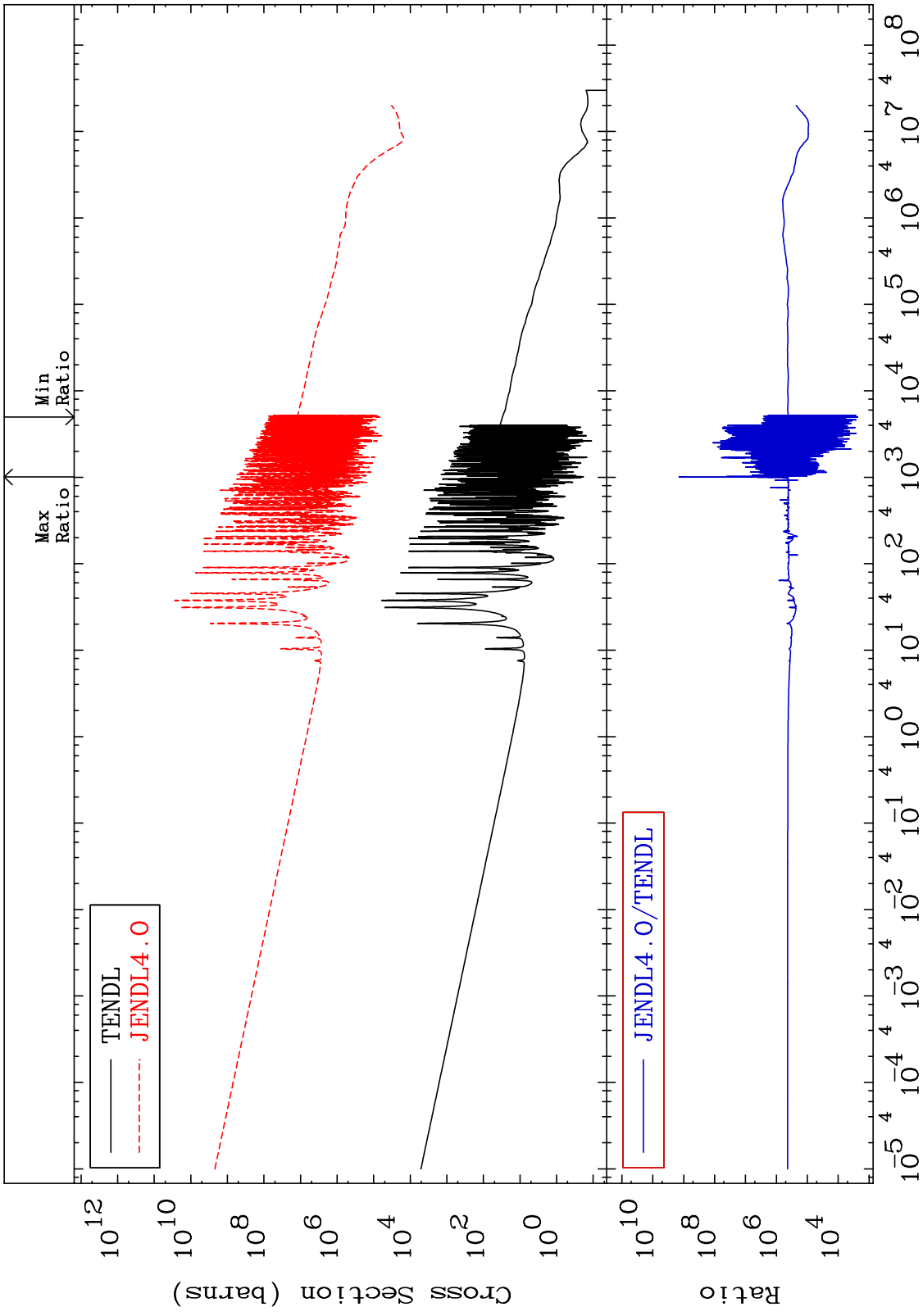


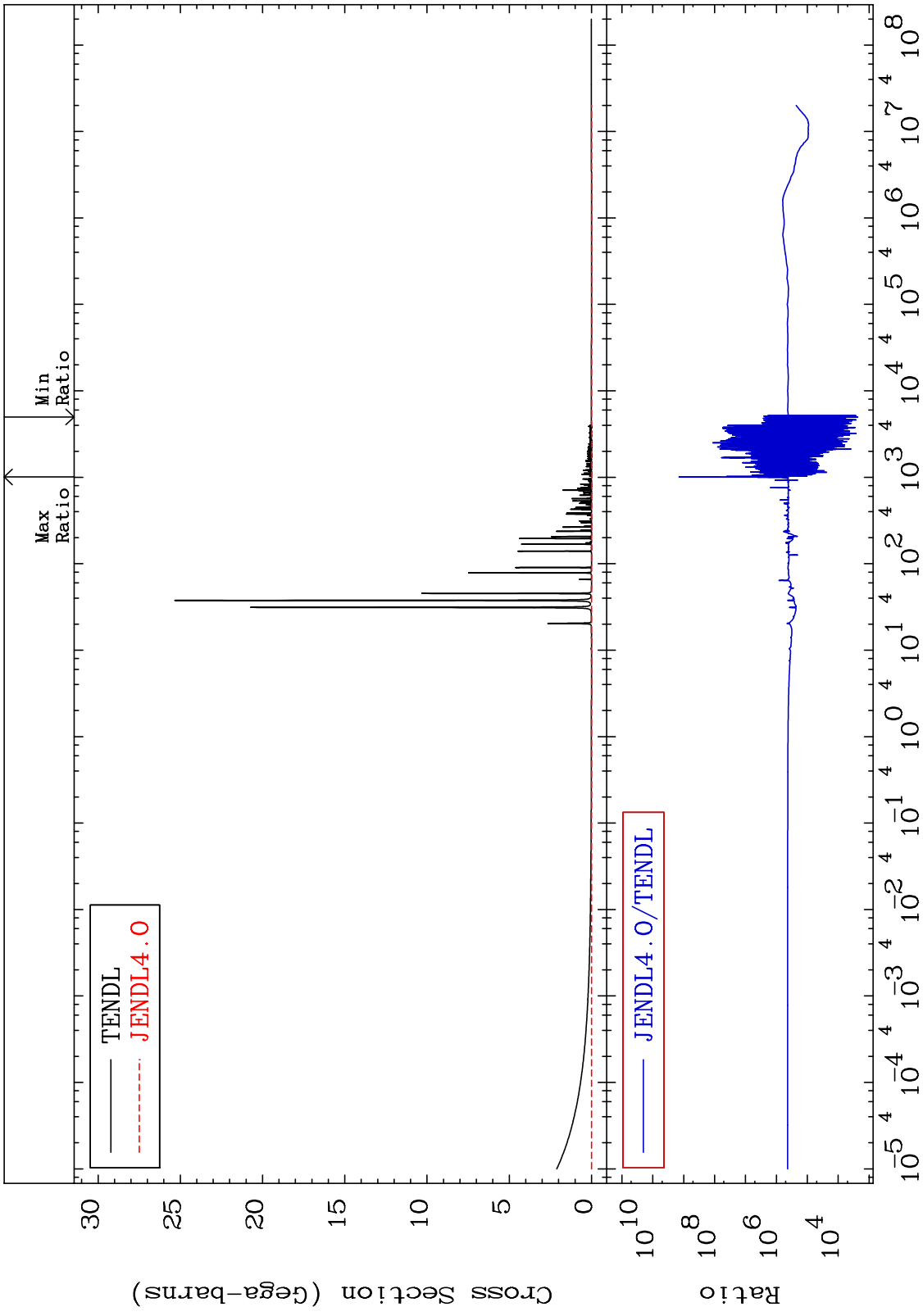
MAT 5325

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

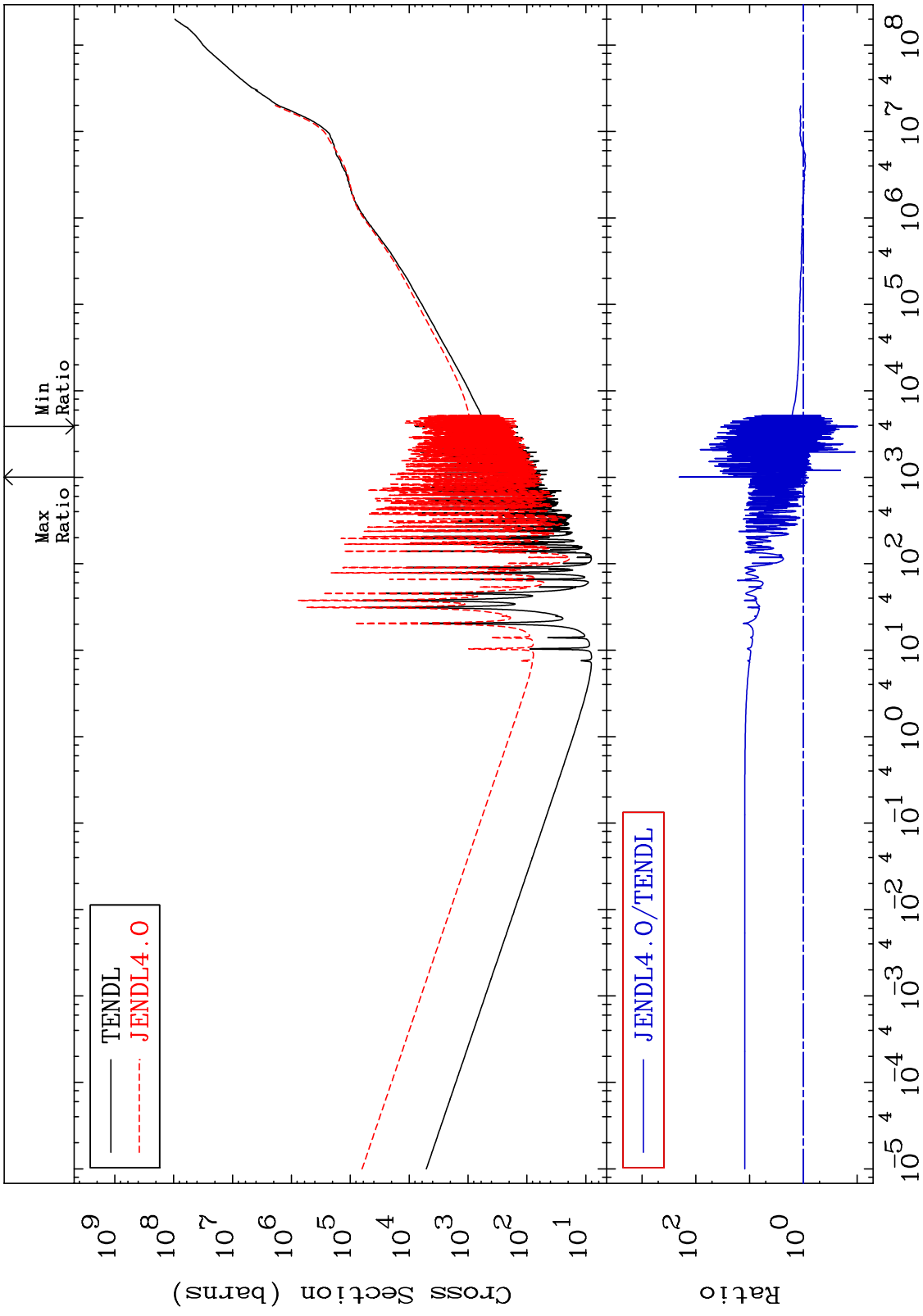
53-I -127
1910. To 9999. %







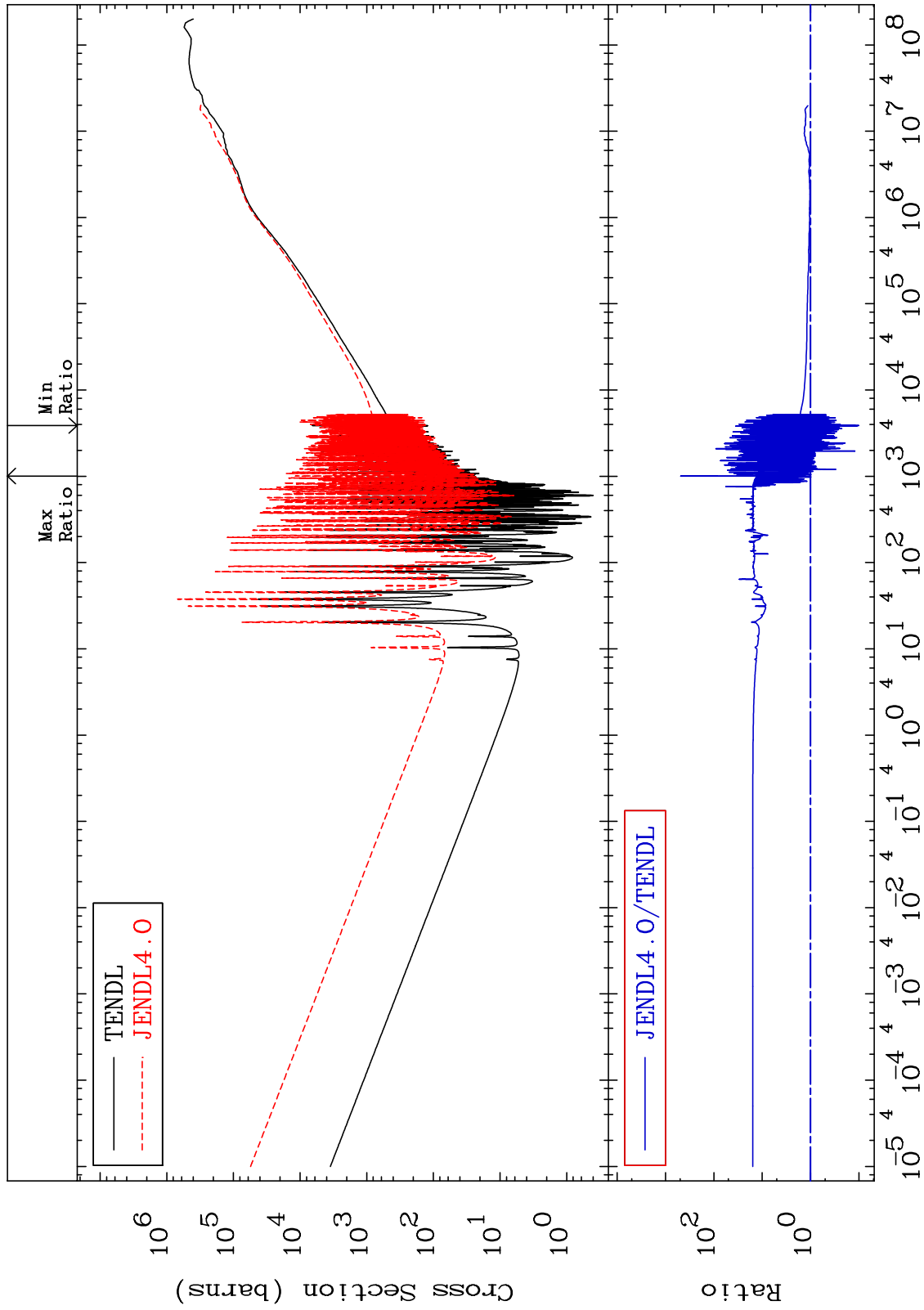
MAT 5325 Total kinematic kerma (high limit) 53-I -127
 Cross Section -90.27 To 9999. %



MAT 5325

Dpa total (eV-barns)
Cross Section

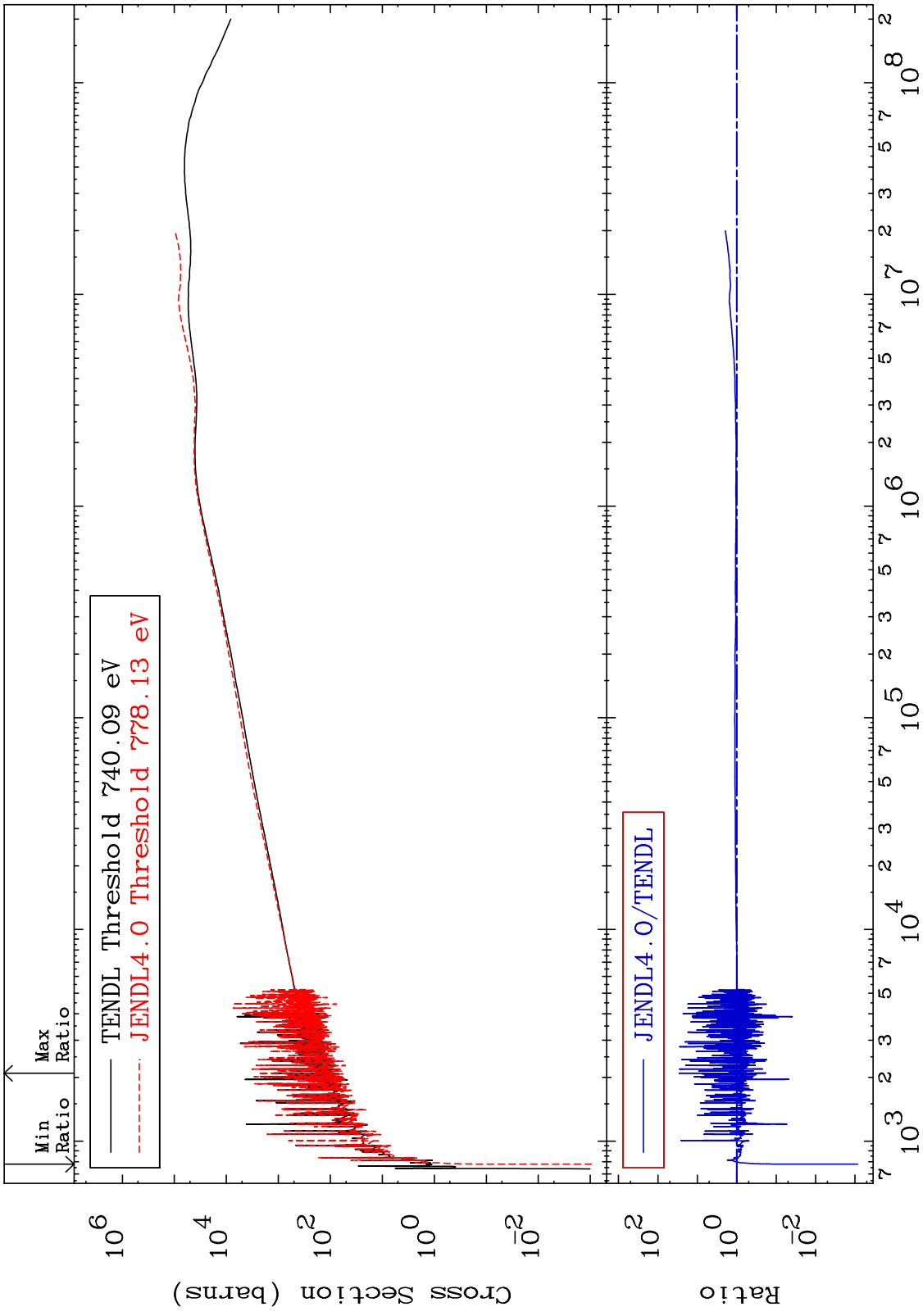
53-I -127
-90.04 To 9999. %



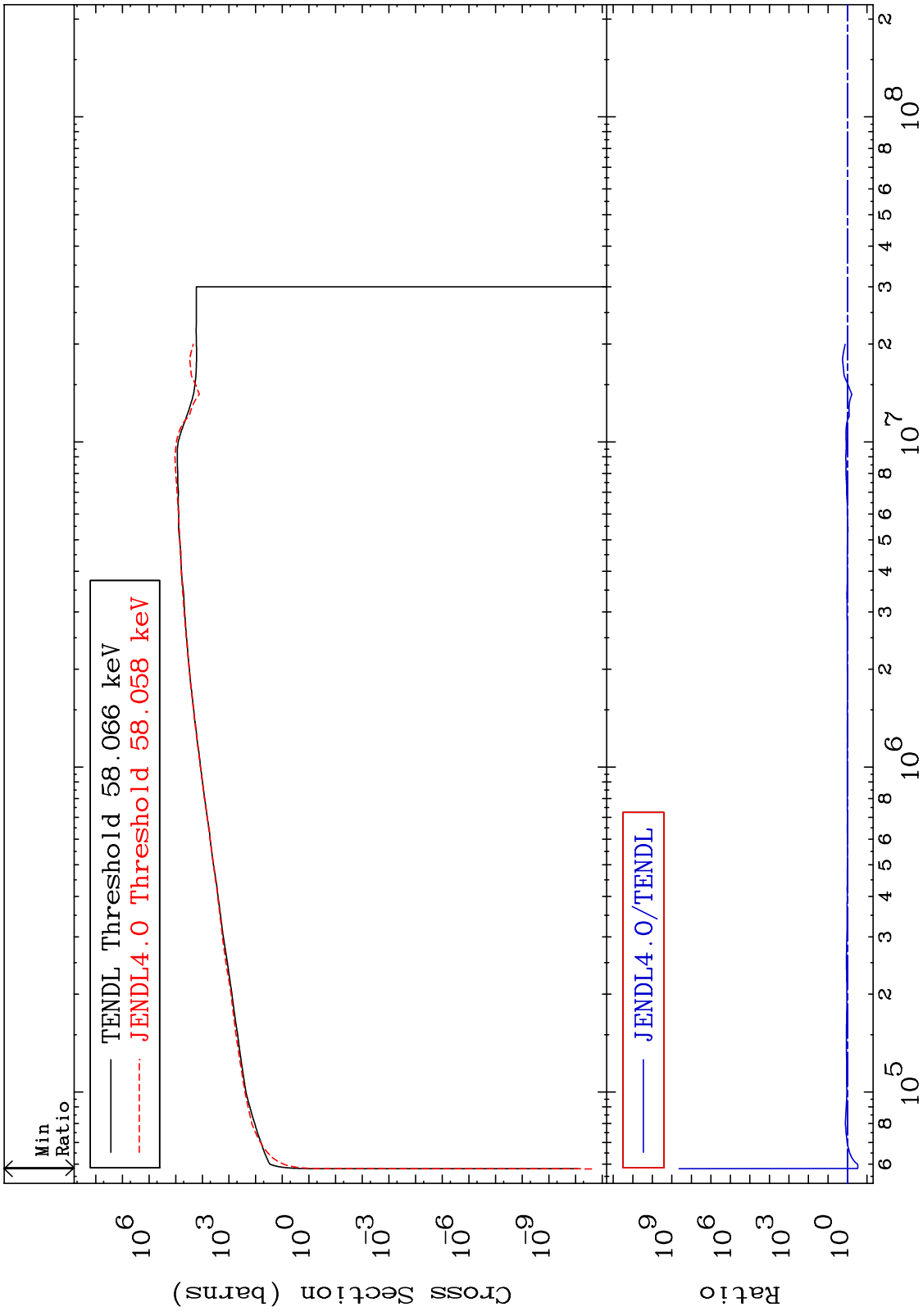
40

Incident Energy (eV)

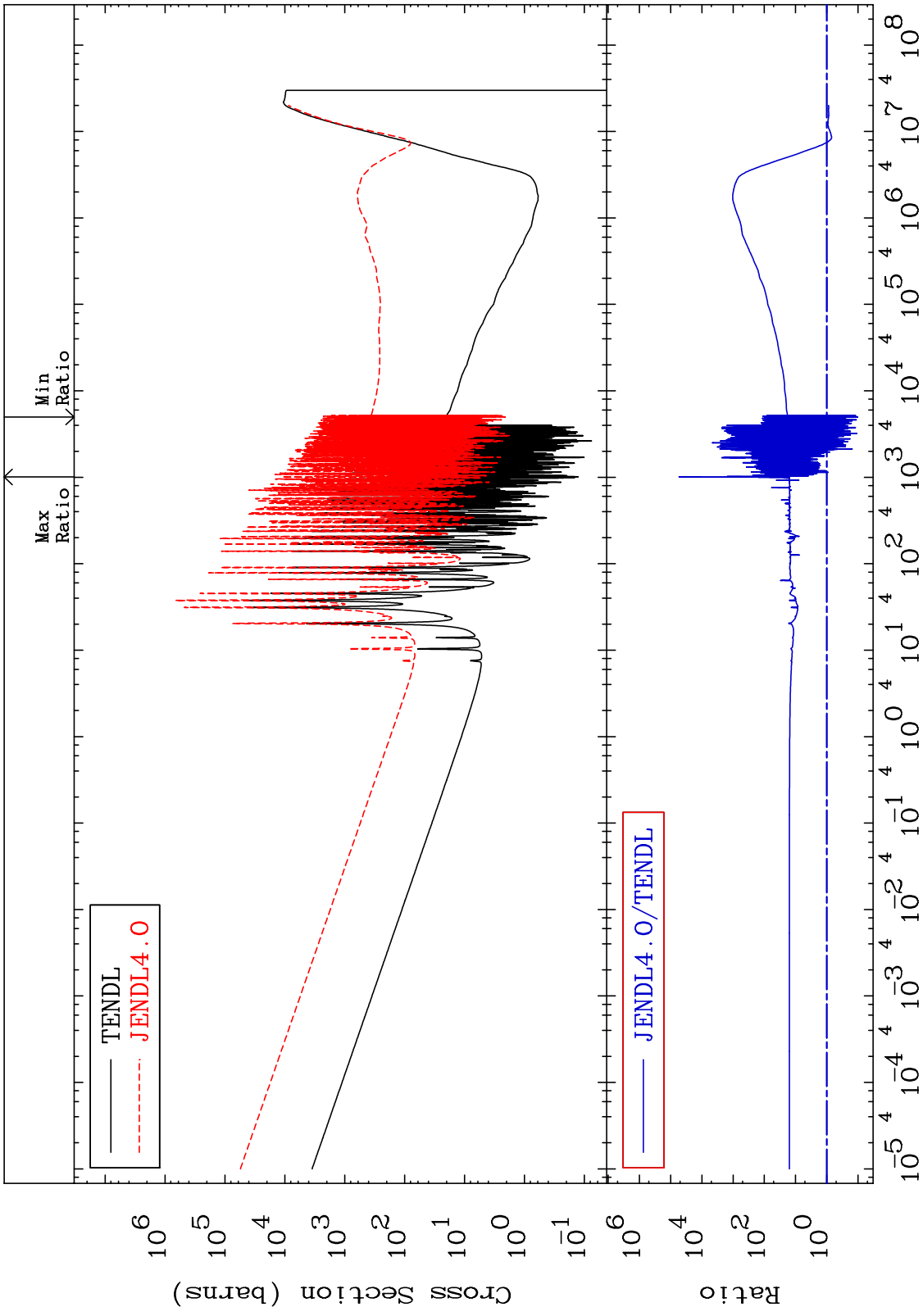
53-I -127



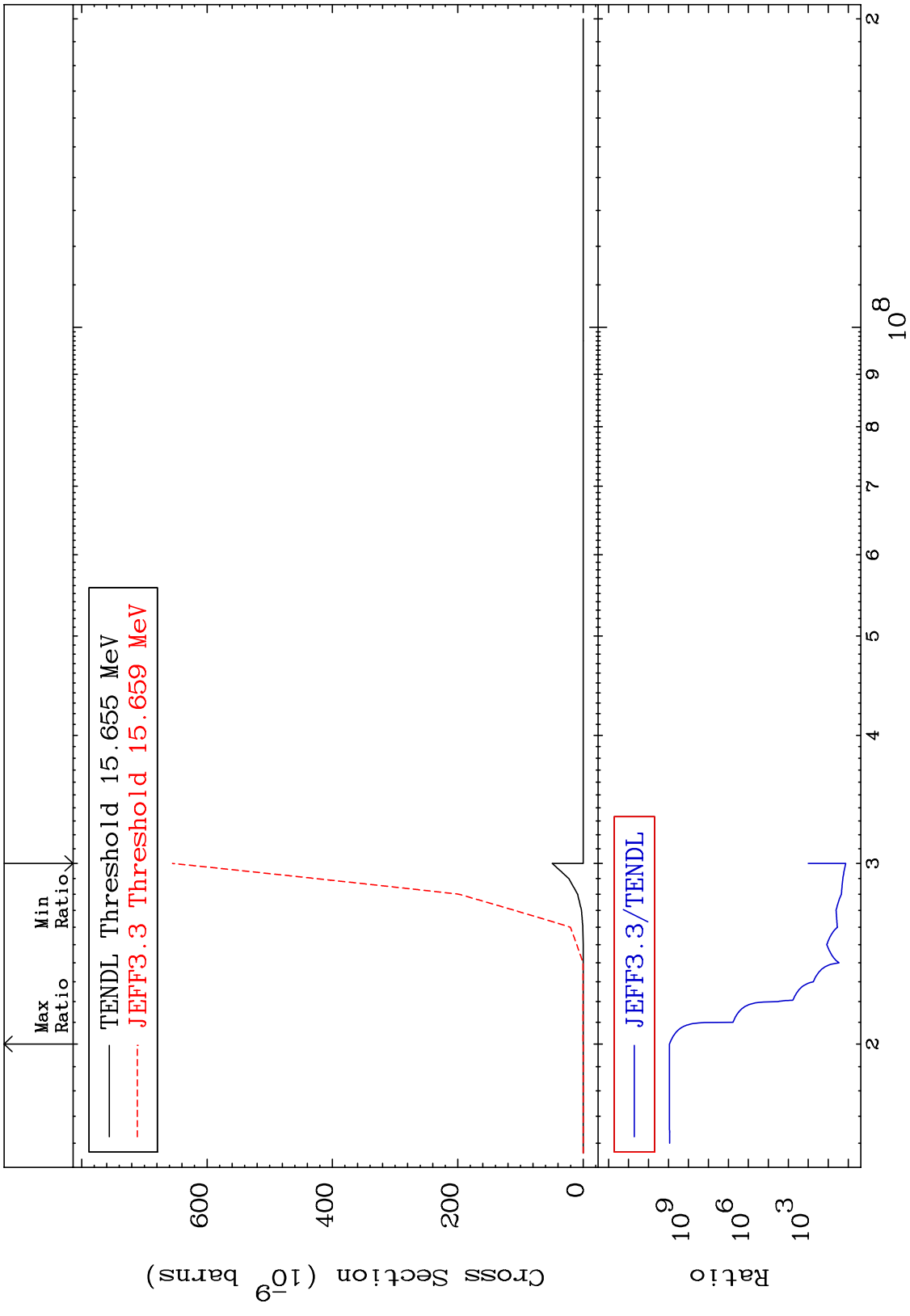
MAT 5325 Dpa inelastic (mt51-91) 53-I -127
 -70.52 To 9999. %
 Cross Section



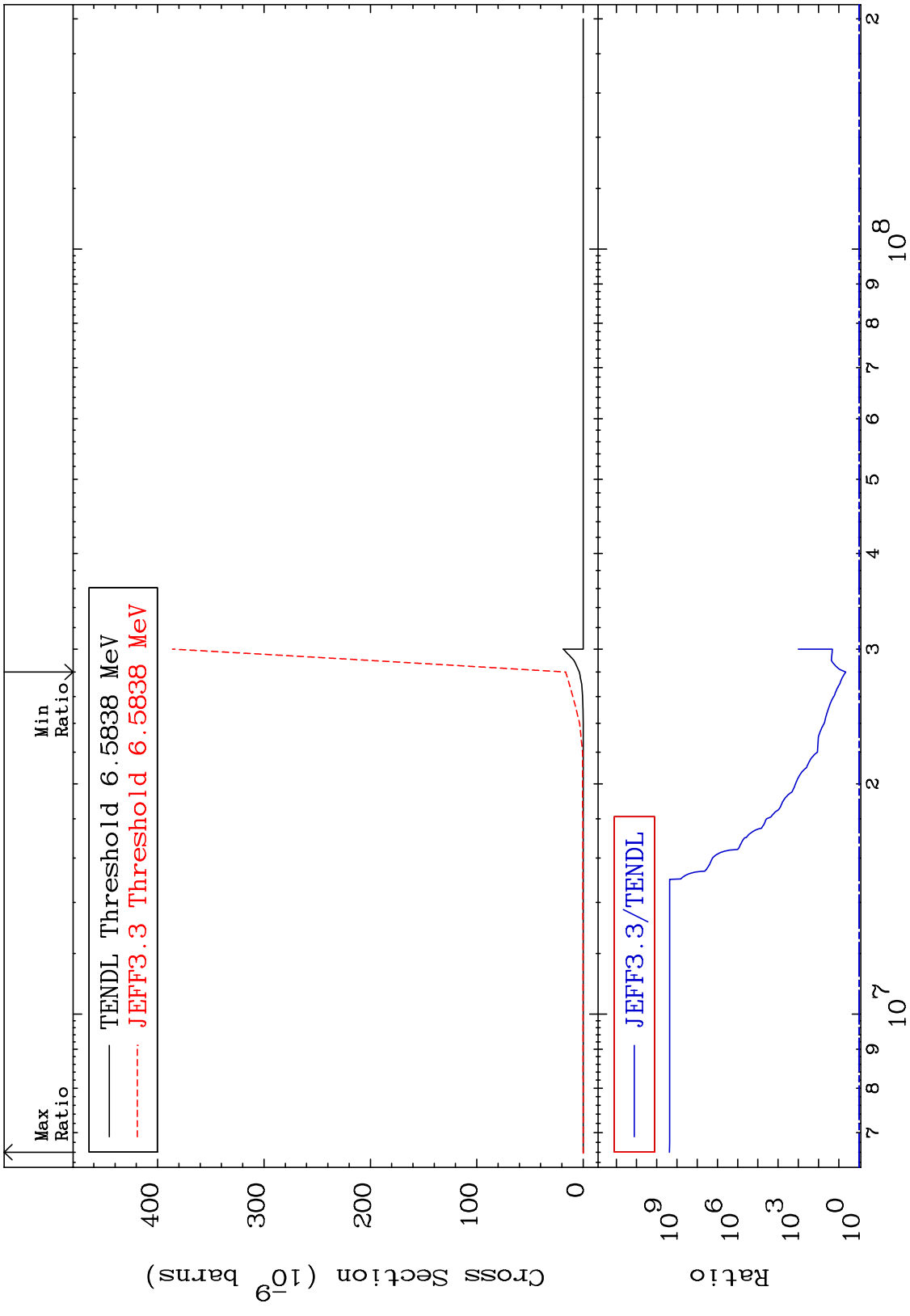
MAT 5325 Dpa disappearance (mt102 -120) 53-I -127
 Cross Section -89.86 To 9999. %



MAT 5325 (n,p) t 53-I -127
 Cross Section 1225. To 9999. %



MAT 5325 (n,d) α 53-I -127
 Cross Section 351.9 To 9999. %

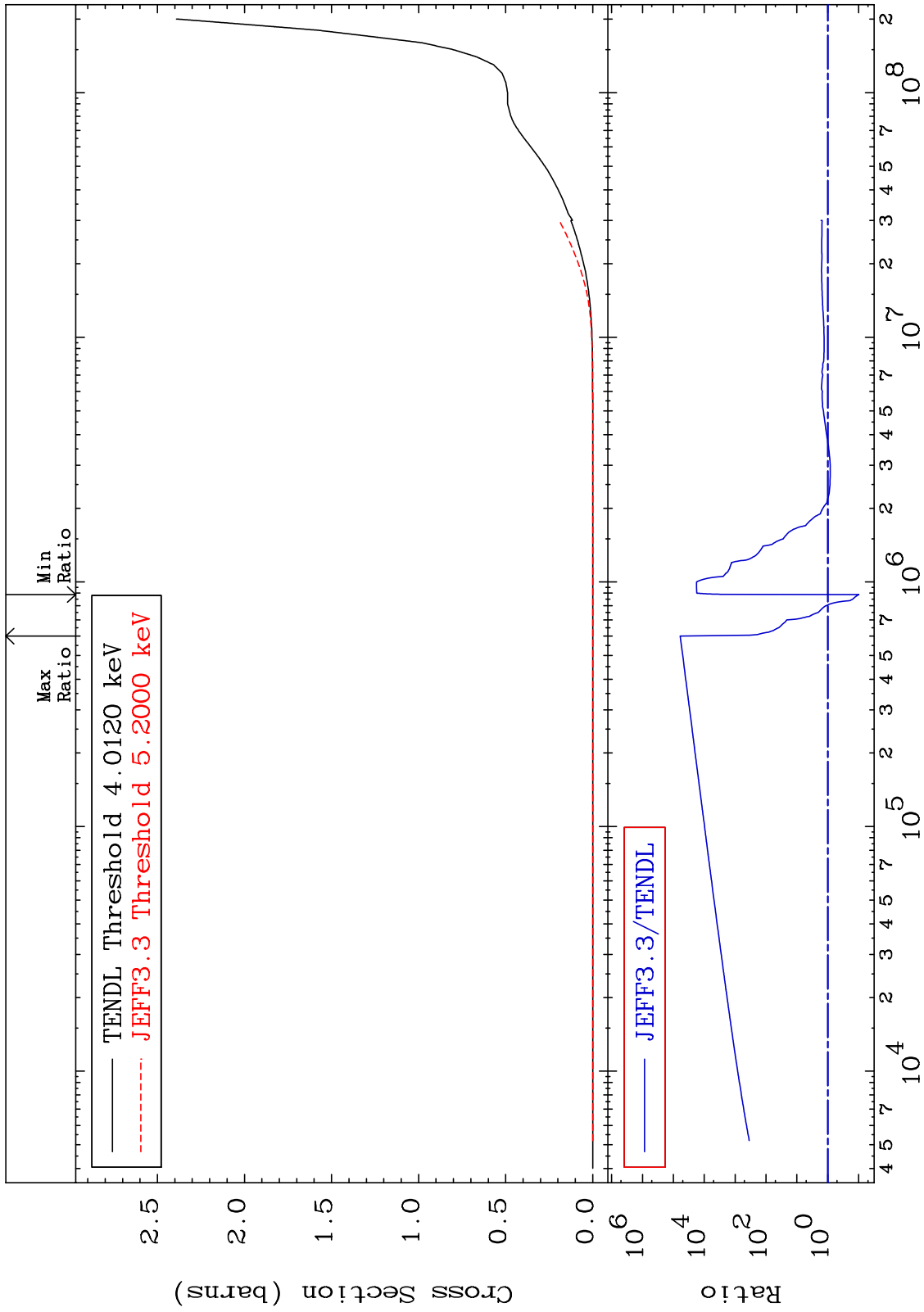


45 53-I -127

MAT 5325

Hydrogen Production
Cross Section

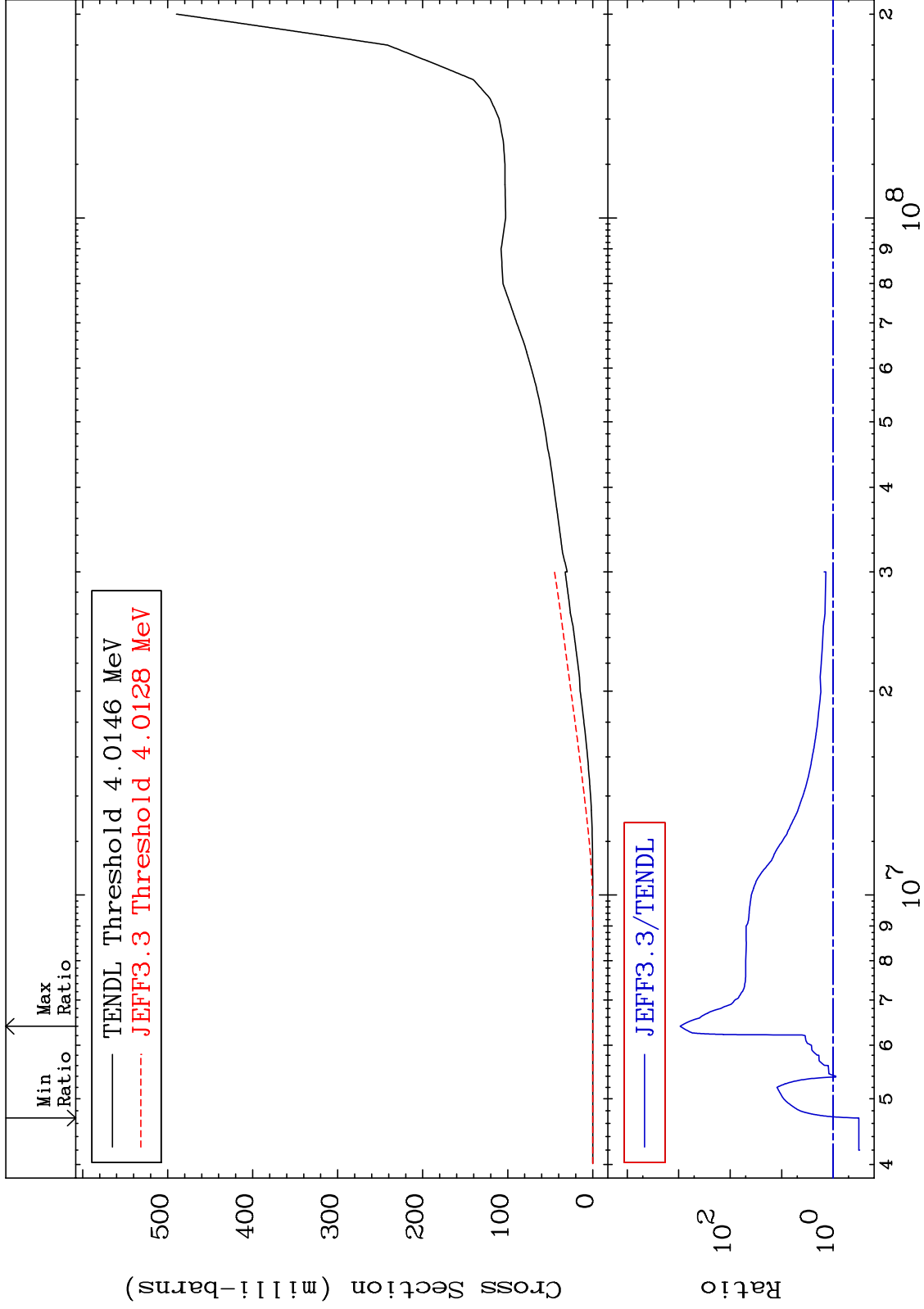
53-I -127
-90.19 To 9999. %



MAT 5325

Deuterium Production
Cross Section

53-I -127
-68.42 To 9999. %

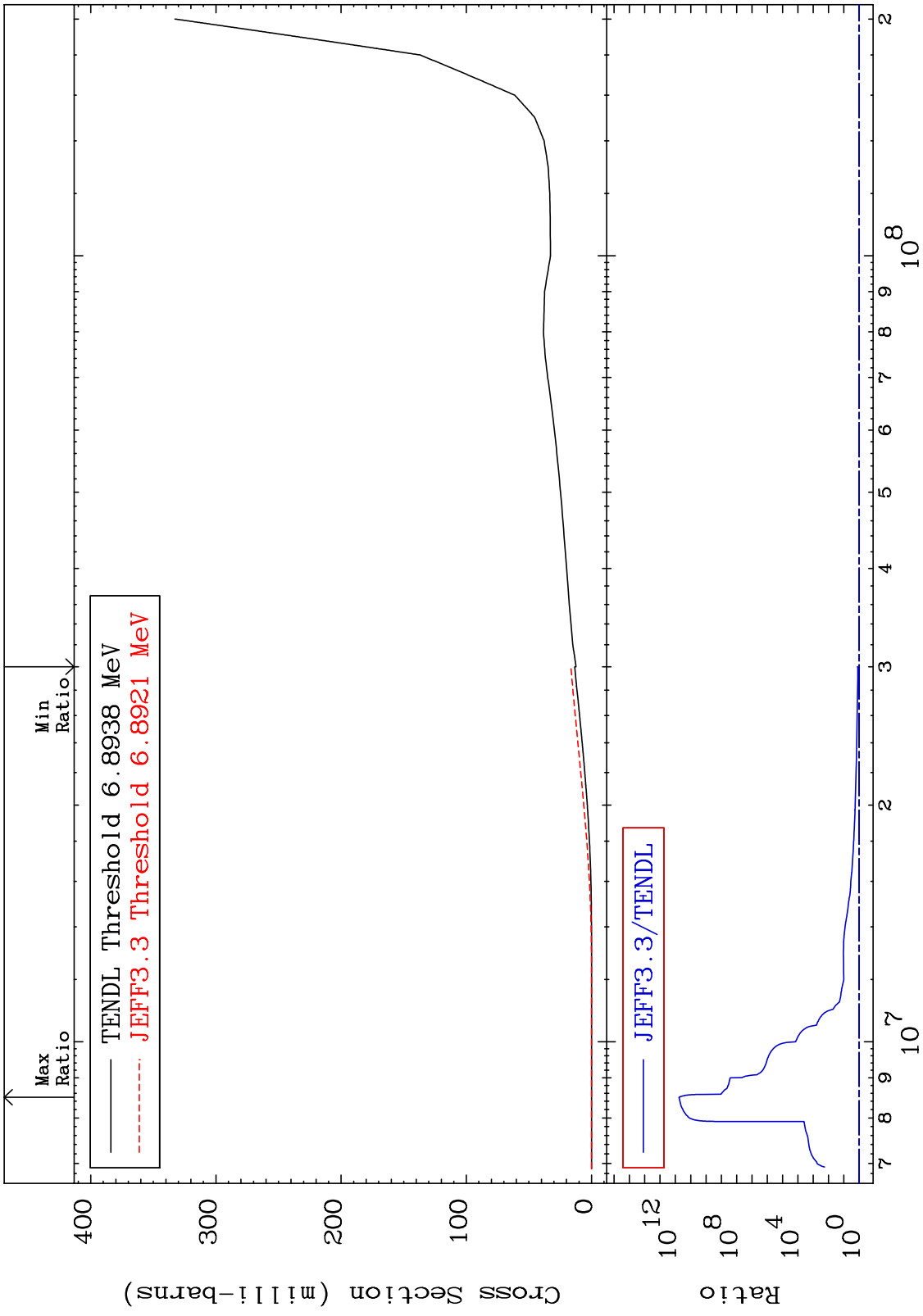


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Incident Energy (eV)

53-I -127

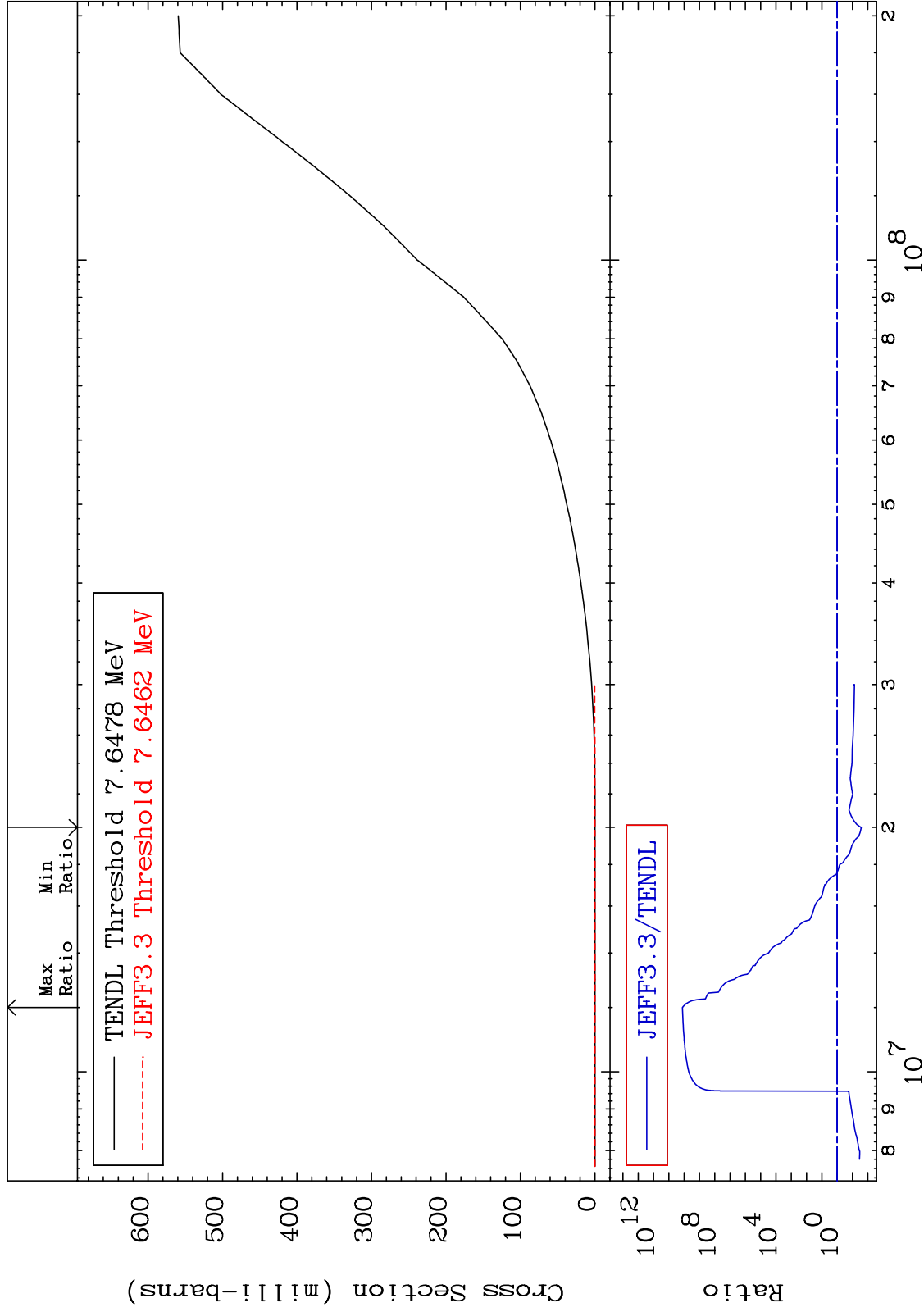
MAT 5325 Tritium Production Cross Section 53-I -127 To 9999. %
 22.75



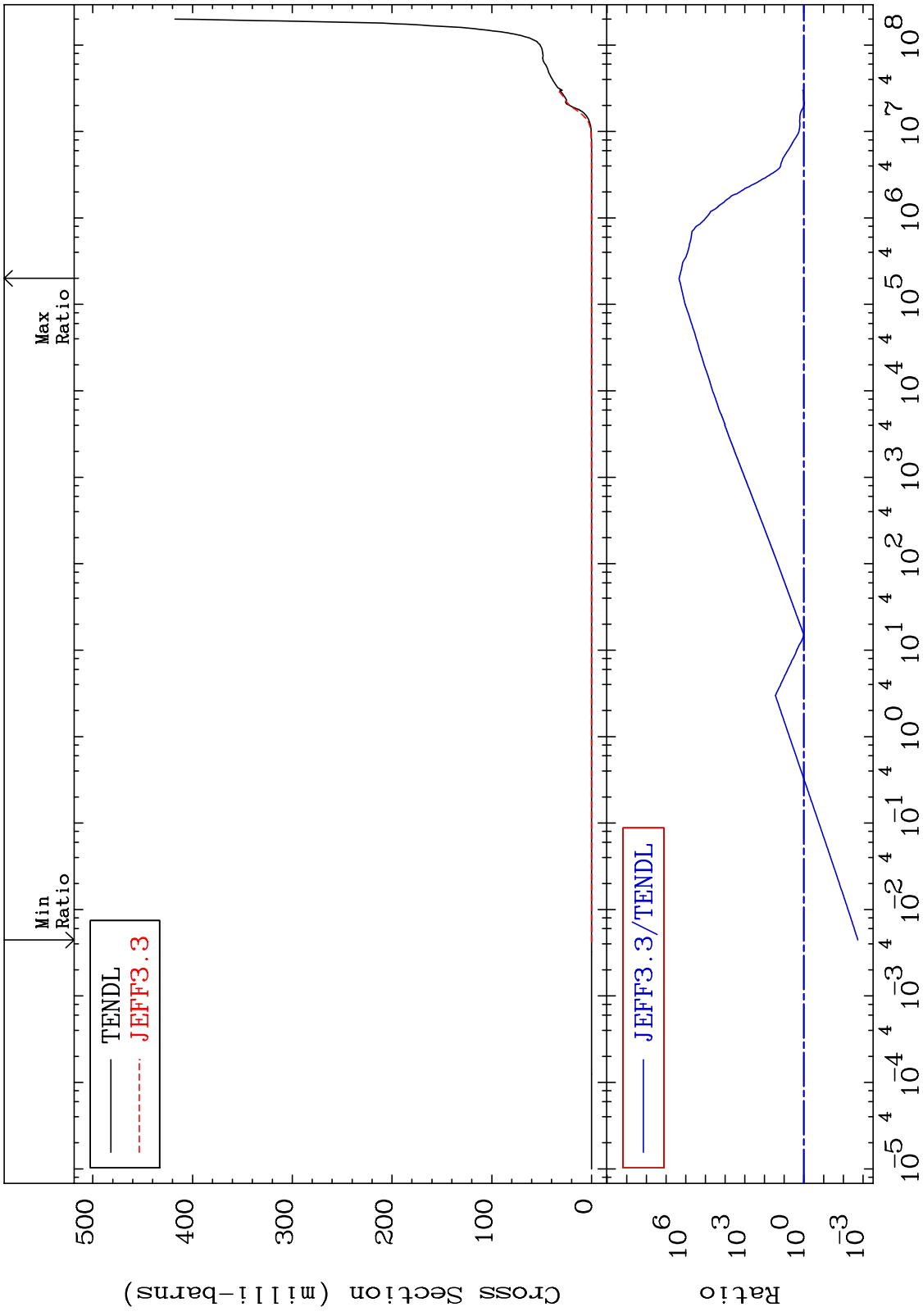
MAT 5325

He-3 Production
Cross Section

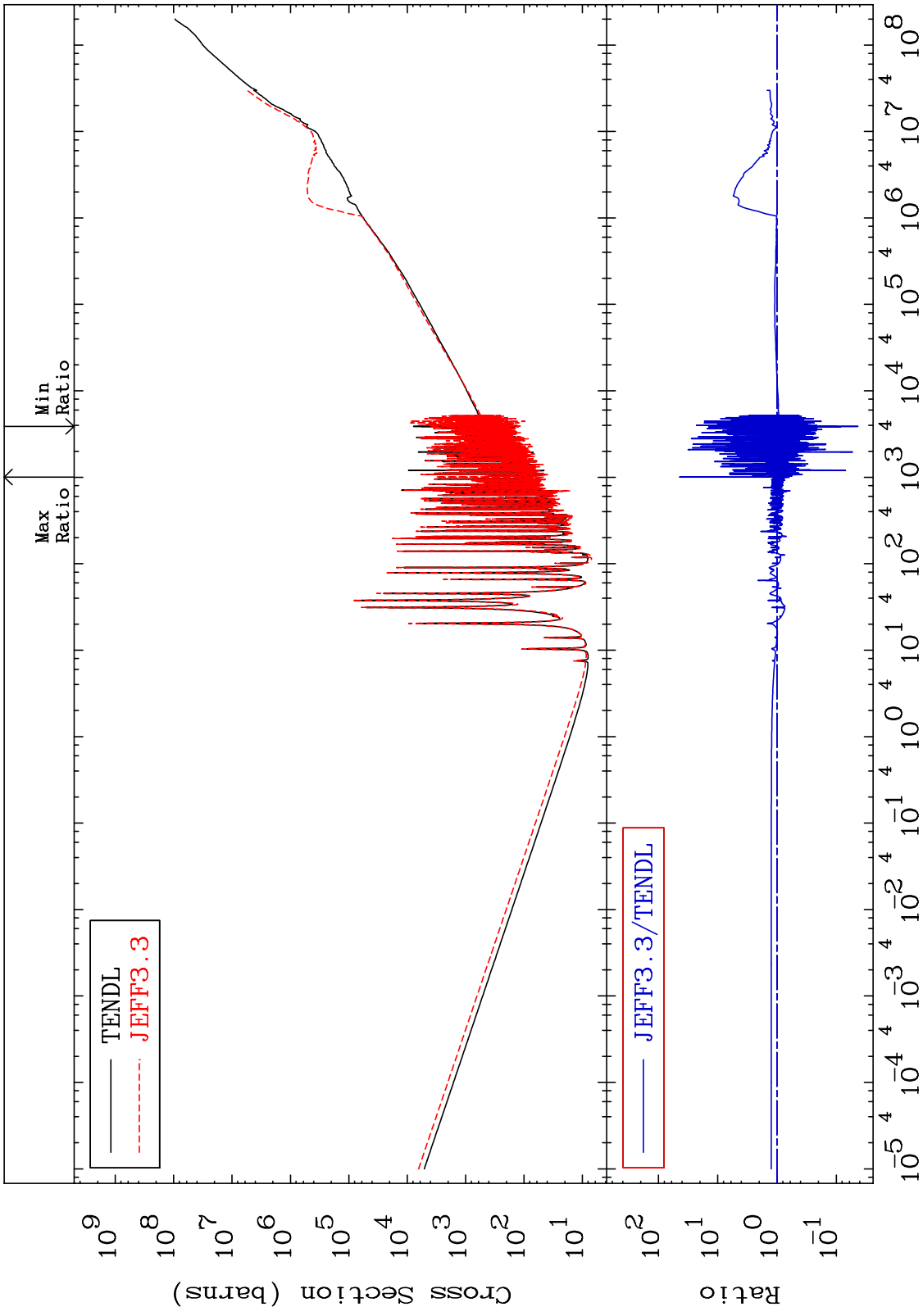
53-I -127
-97.33 To 9999. %



MAT 5325 He-4 Production Cross Section 53-I -127
 -99.82 To 9999. %



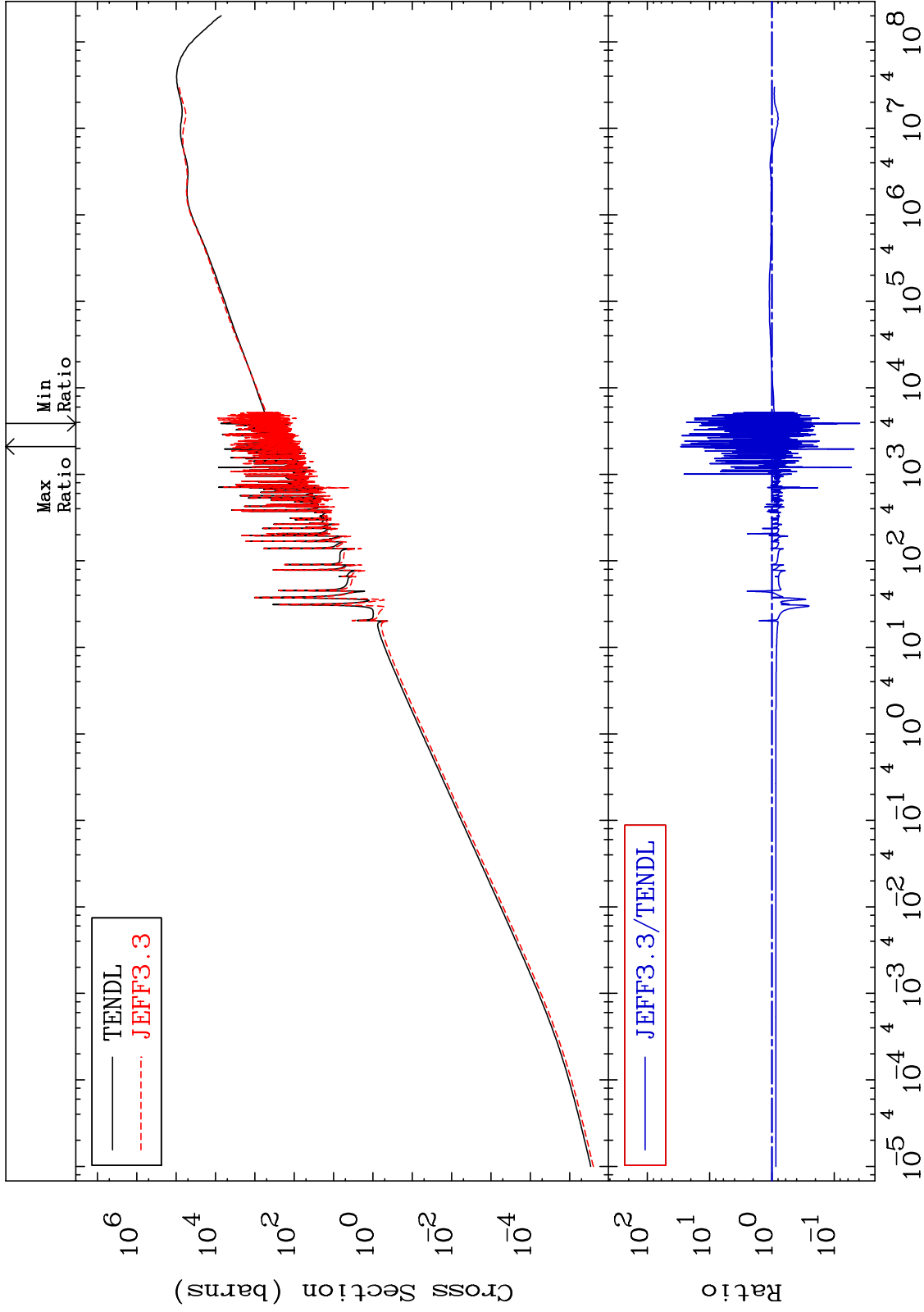
MAT 5325 Kerma total (eV-barns) 53-I -127
 Cross Section -95.67 To 4400. %



MAT 5325

Kerma elastic
Cross Section

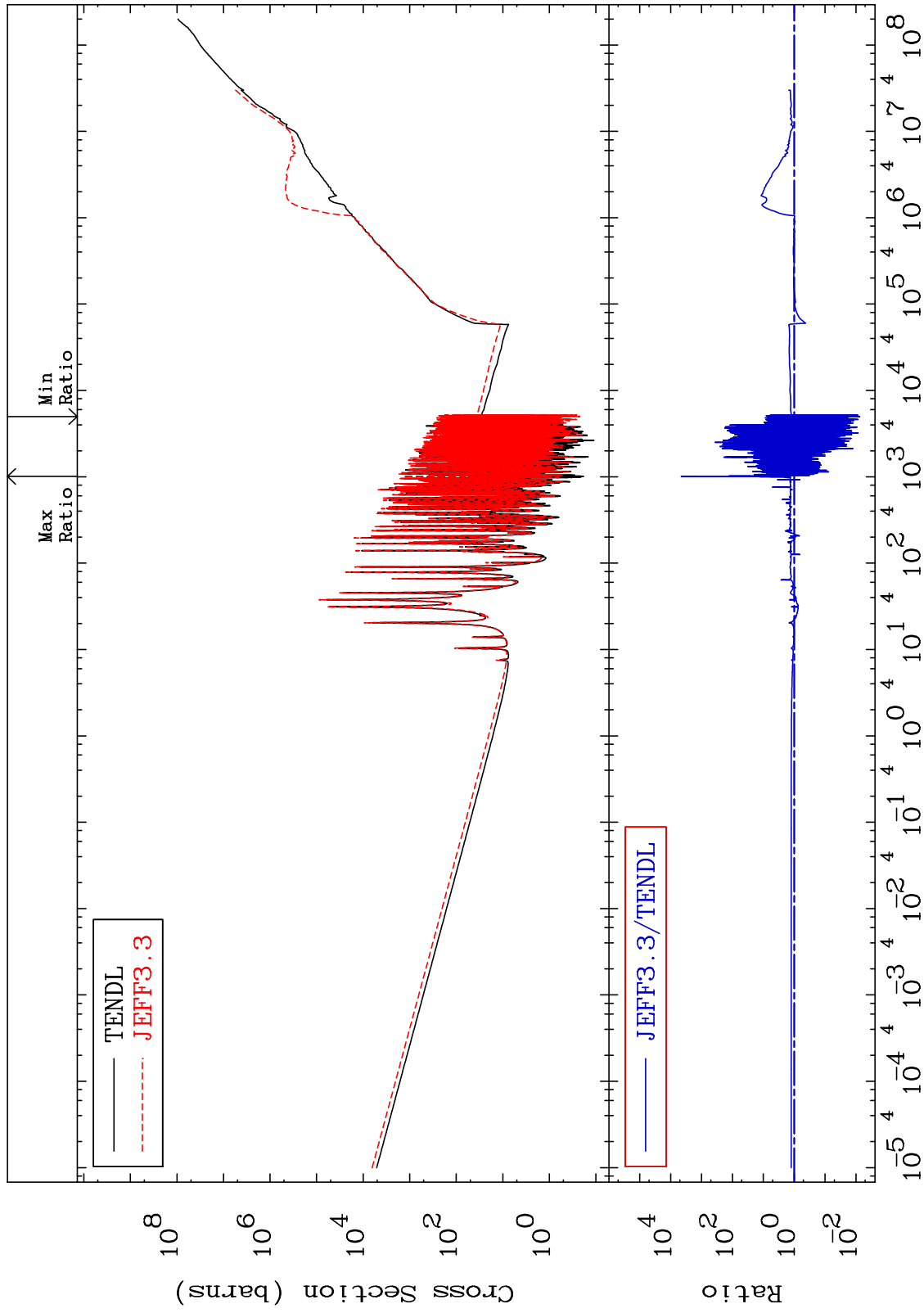
53-I -127
-96.10 To 2804. %



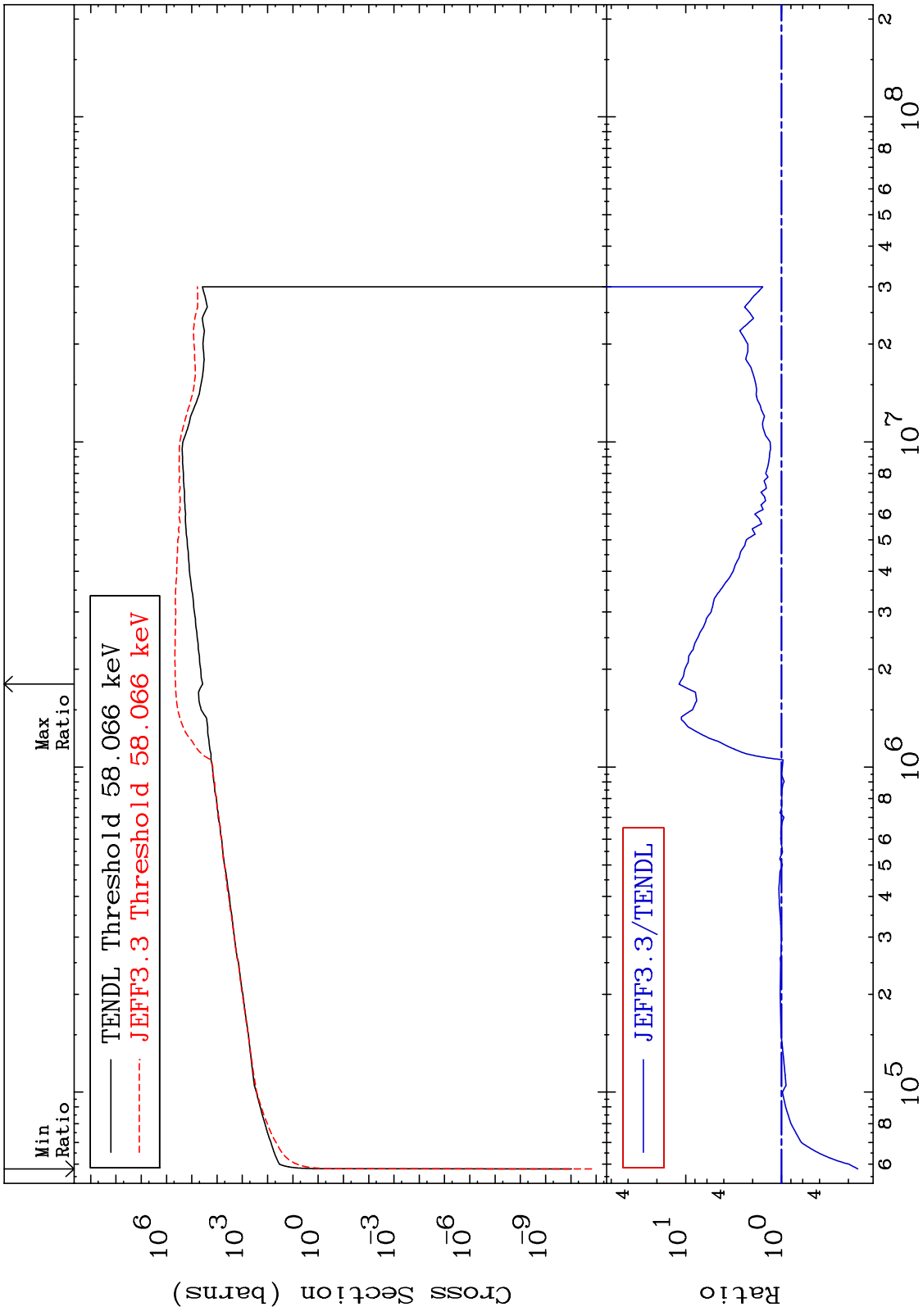
MAT 5325

Kerma non-elastic (all but mt2)
Cross Section

53-I -127
-99.25 To 9999. %



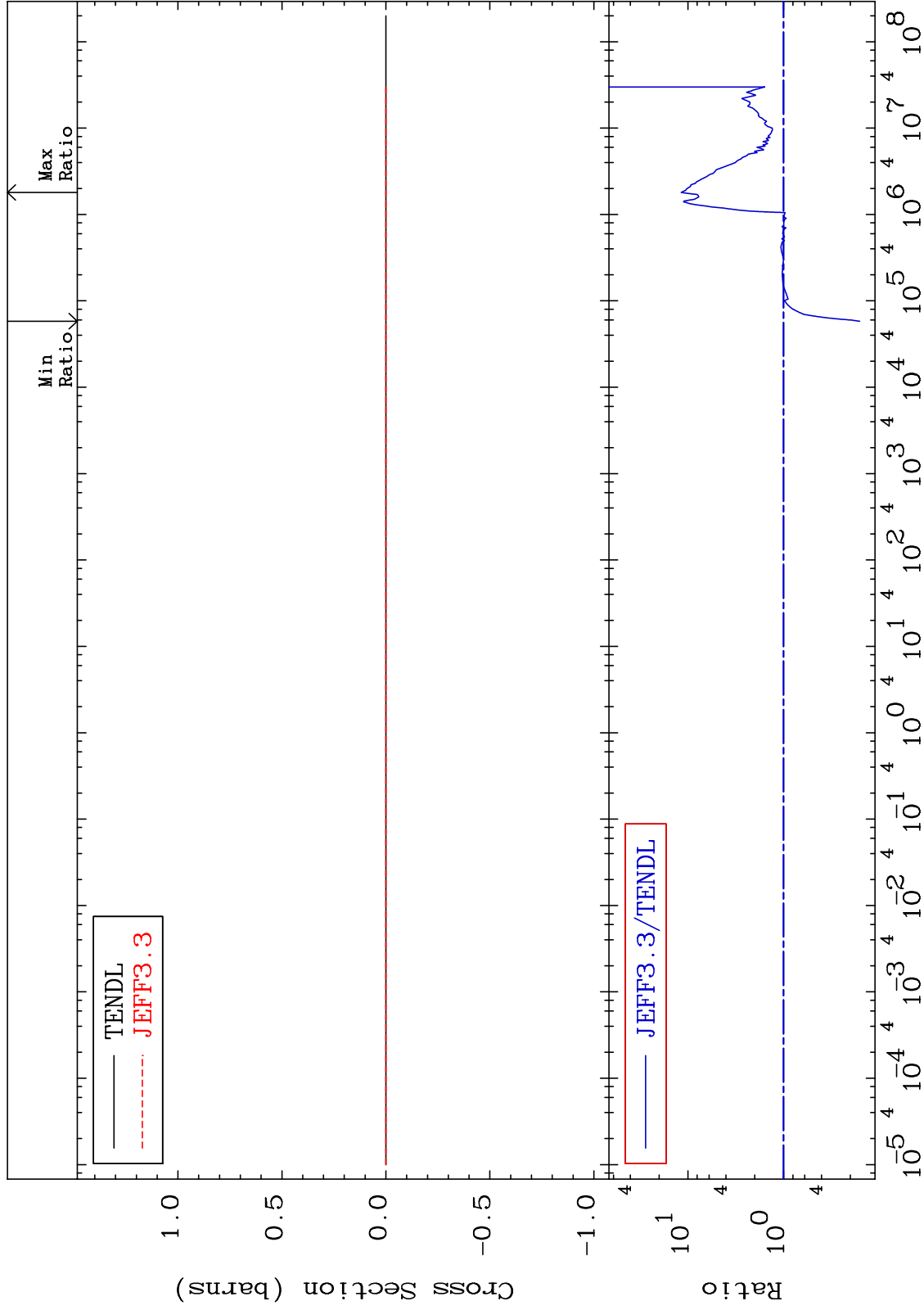
MAT 5325 Kerma inelastic (mt51-91) 53-I -127
 Cross Section -84.03 To 1075. %



MAT 5325

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

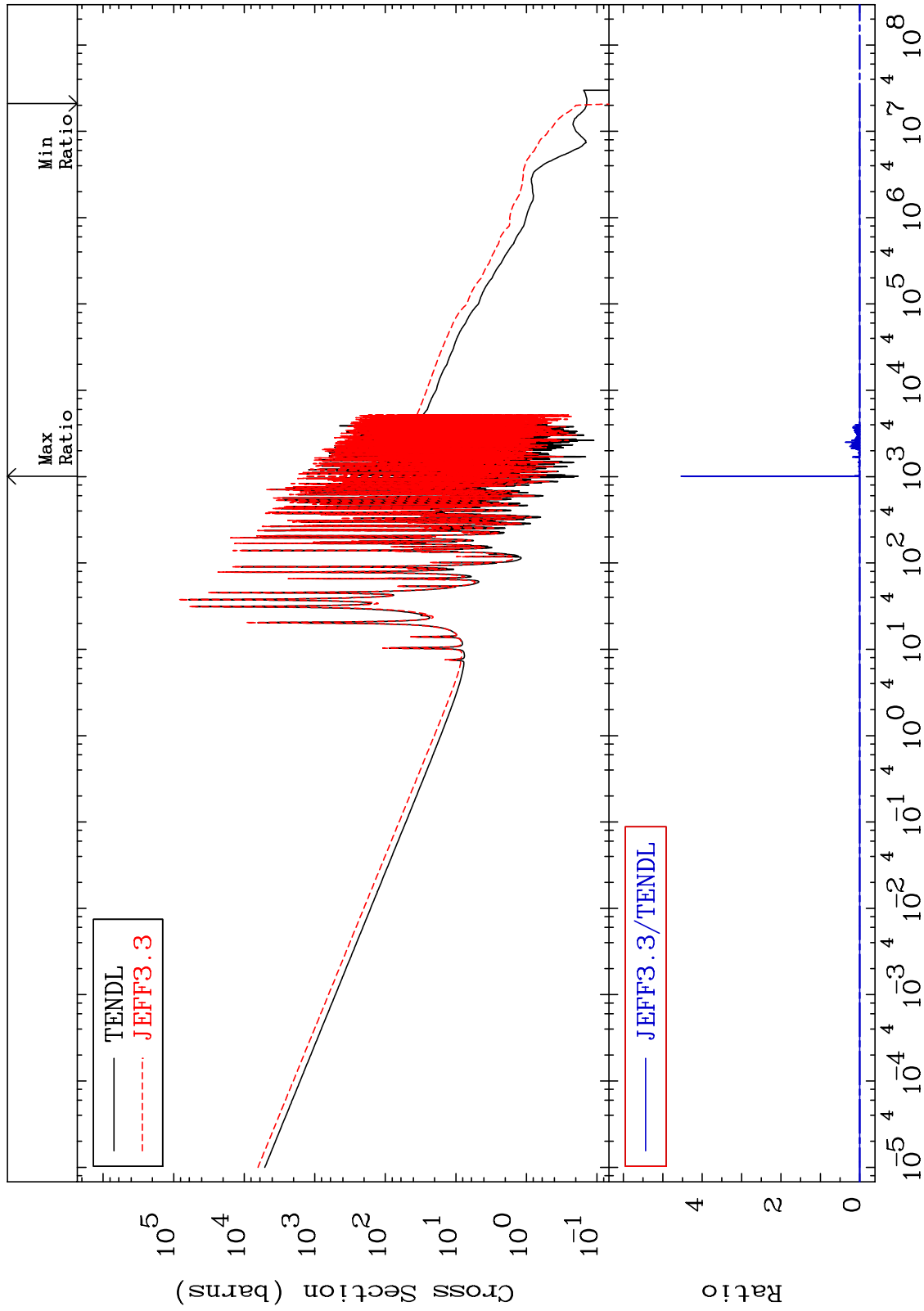
53-I -127
-84.03 To 1075. %



MAT 5325

Kerma capture (mt102)
Cross Section

53-I -127
-100.0 To 9999. %



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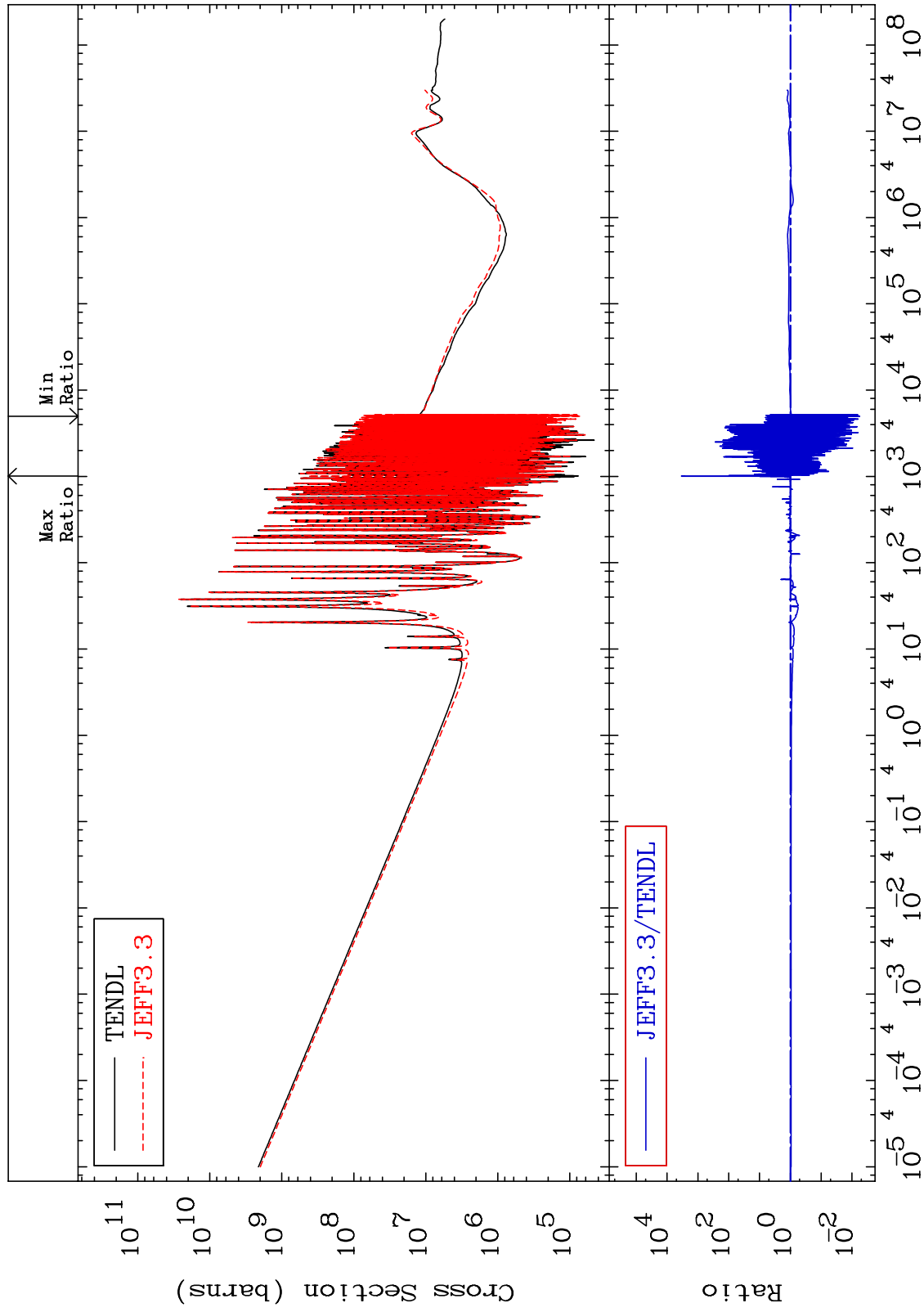
Incident Energy (eV)

53-I -127

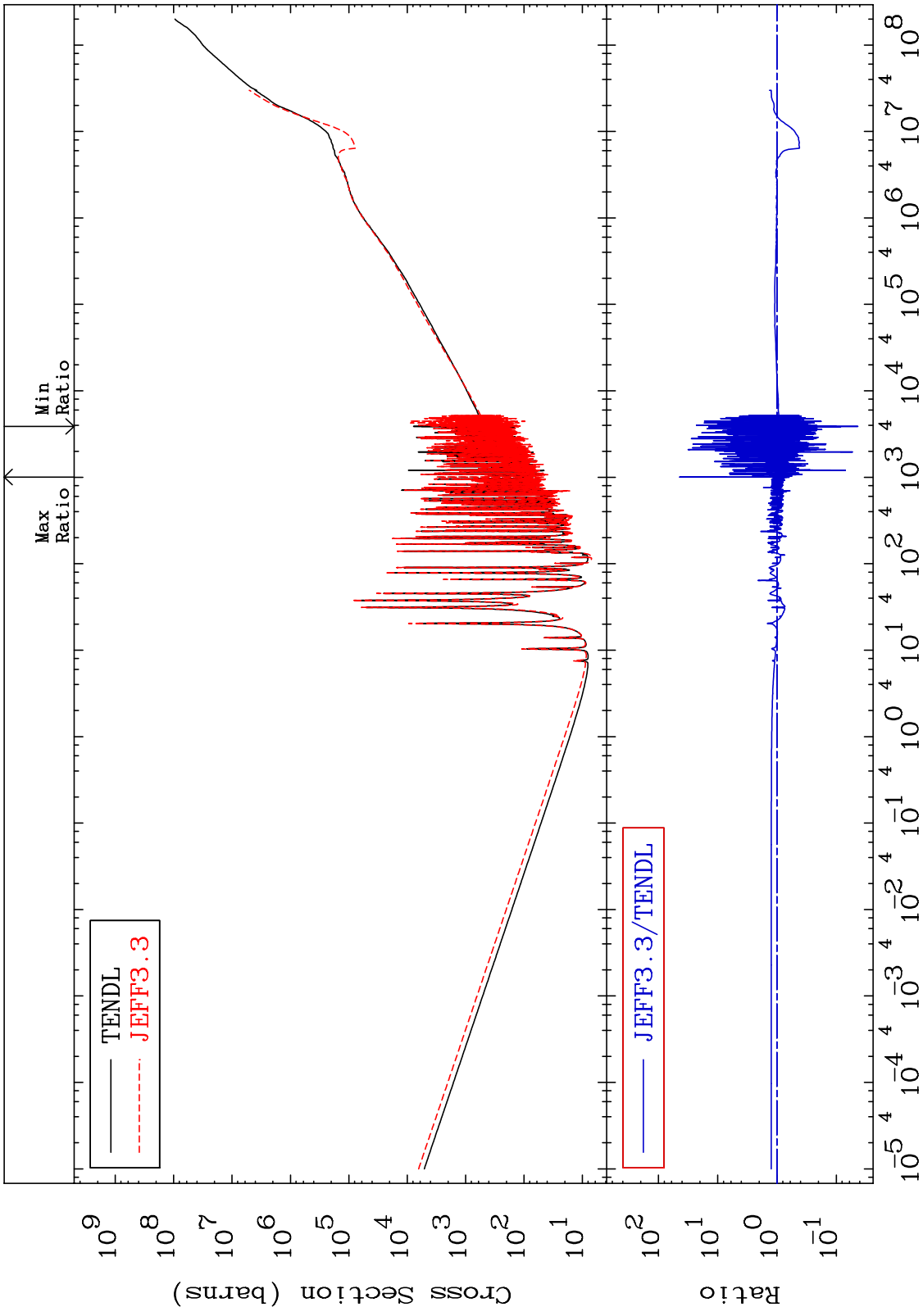
MAT 5325

Total photon (eV-barns)
Cross Section

53-I -127
-99.44 To 9999. %



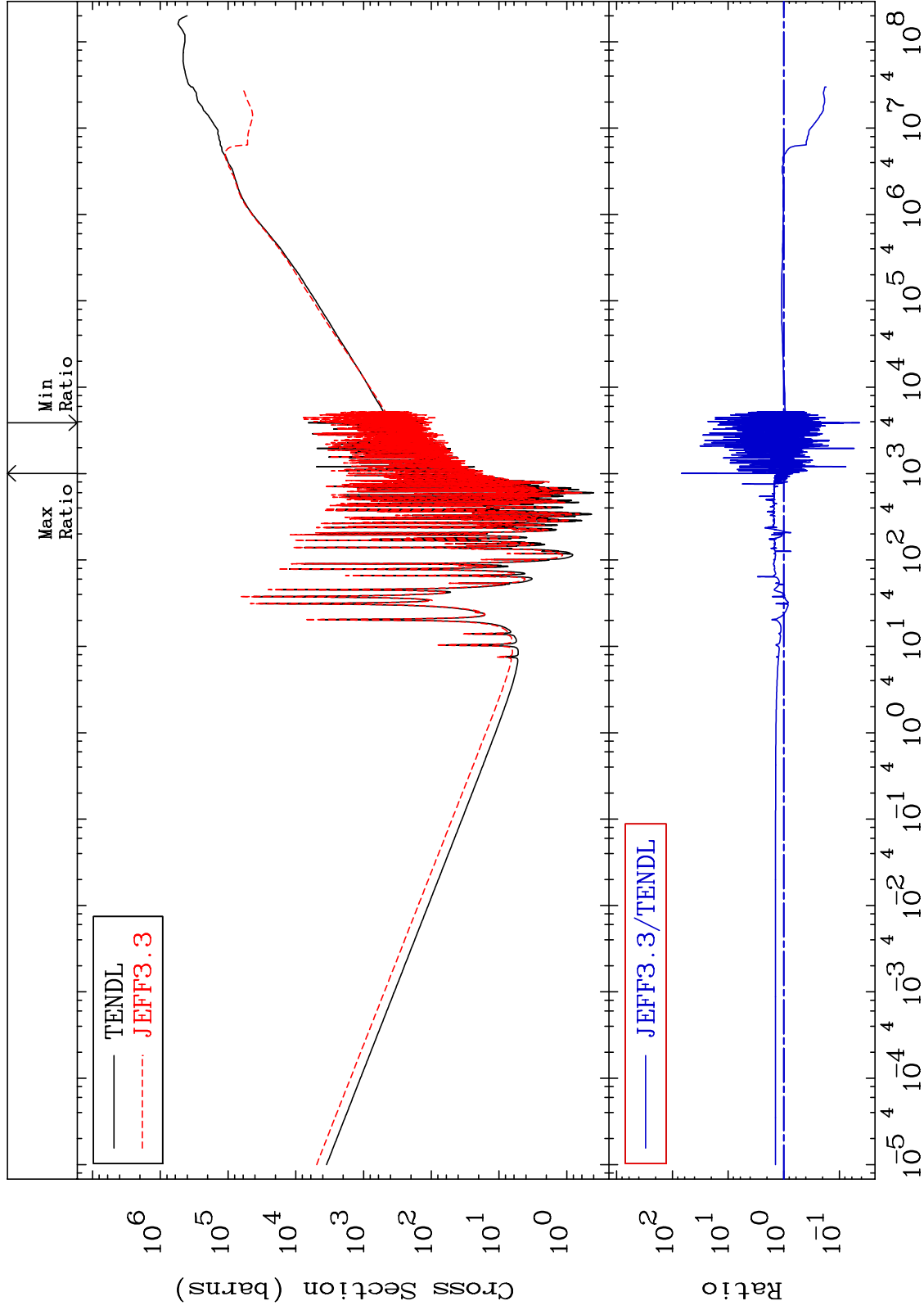
MAT 5325 Total kinematic kerma (high limit) 53-I -127
 Cross Section -95.67 To 4400. %

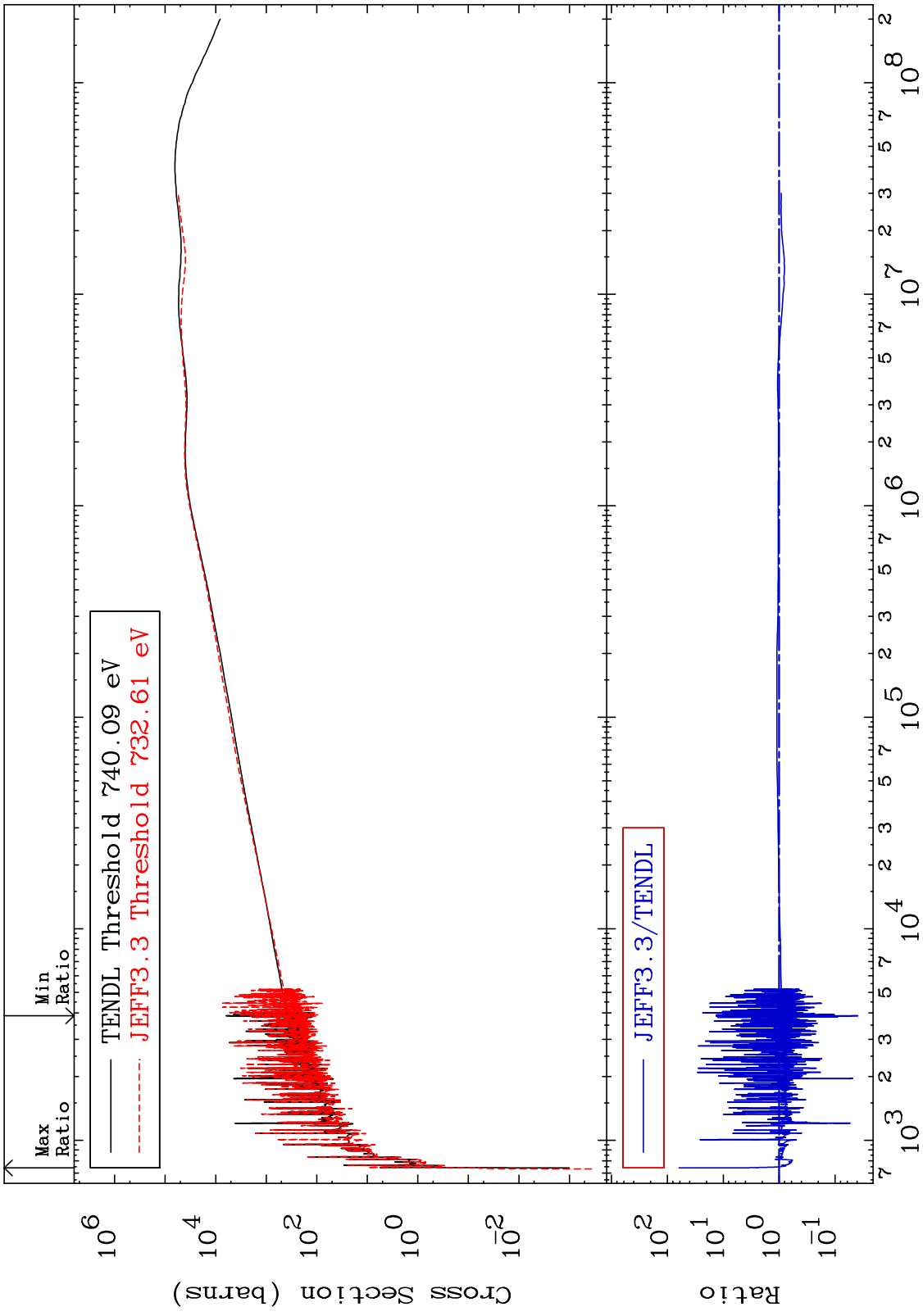


MAT 5325

Dpa total (eV-barns)
Cross Section

53-I -127
-95.69 To 6824. %

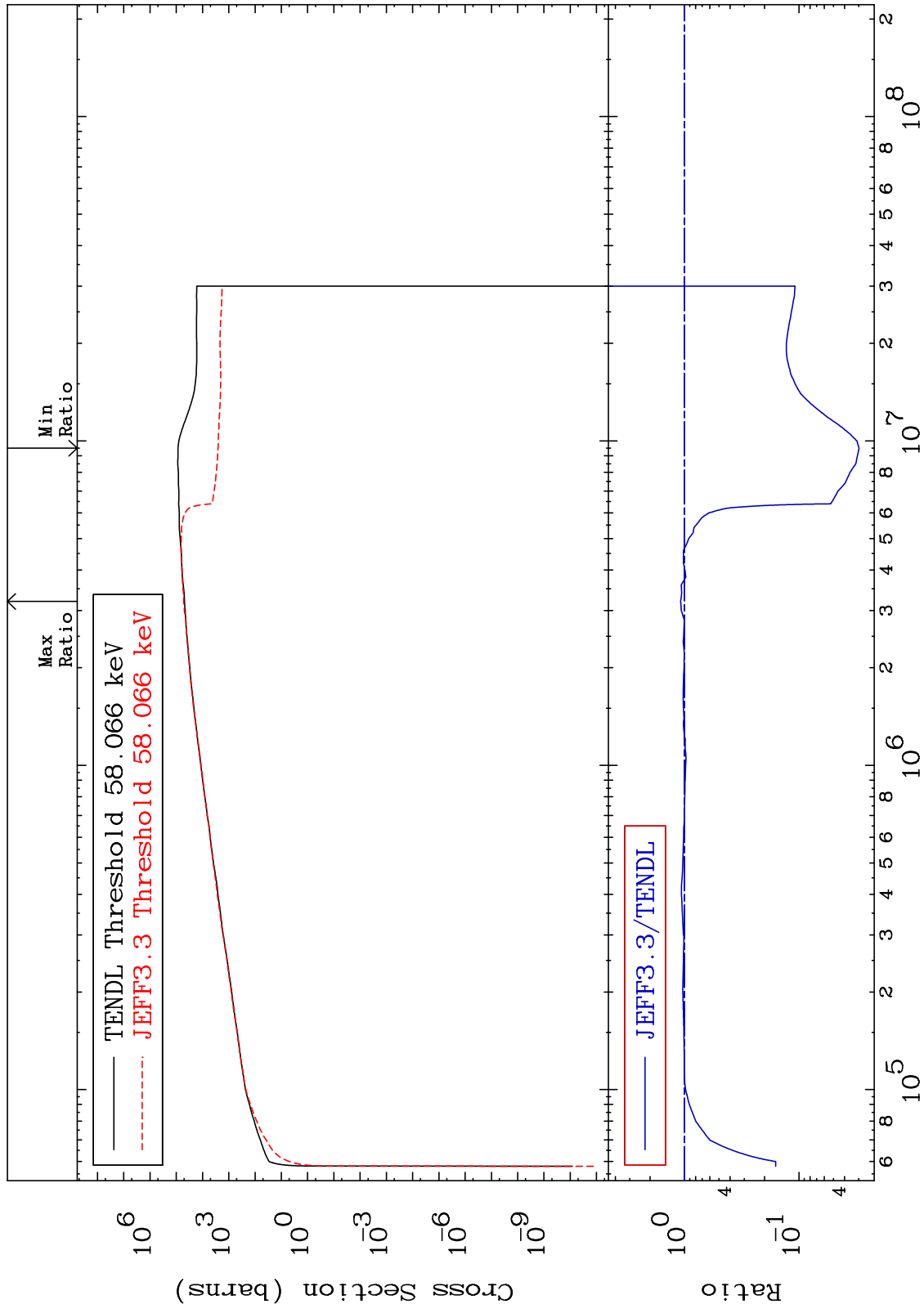




MAT 5325

Dpa inelastic (mt51-91)
Cross Section

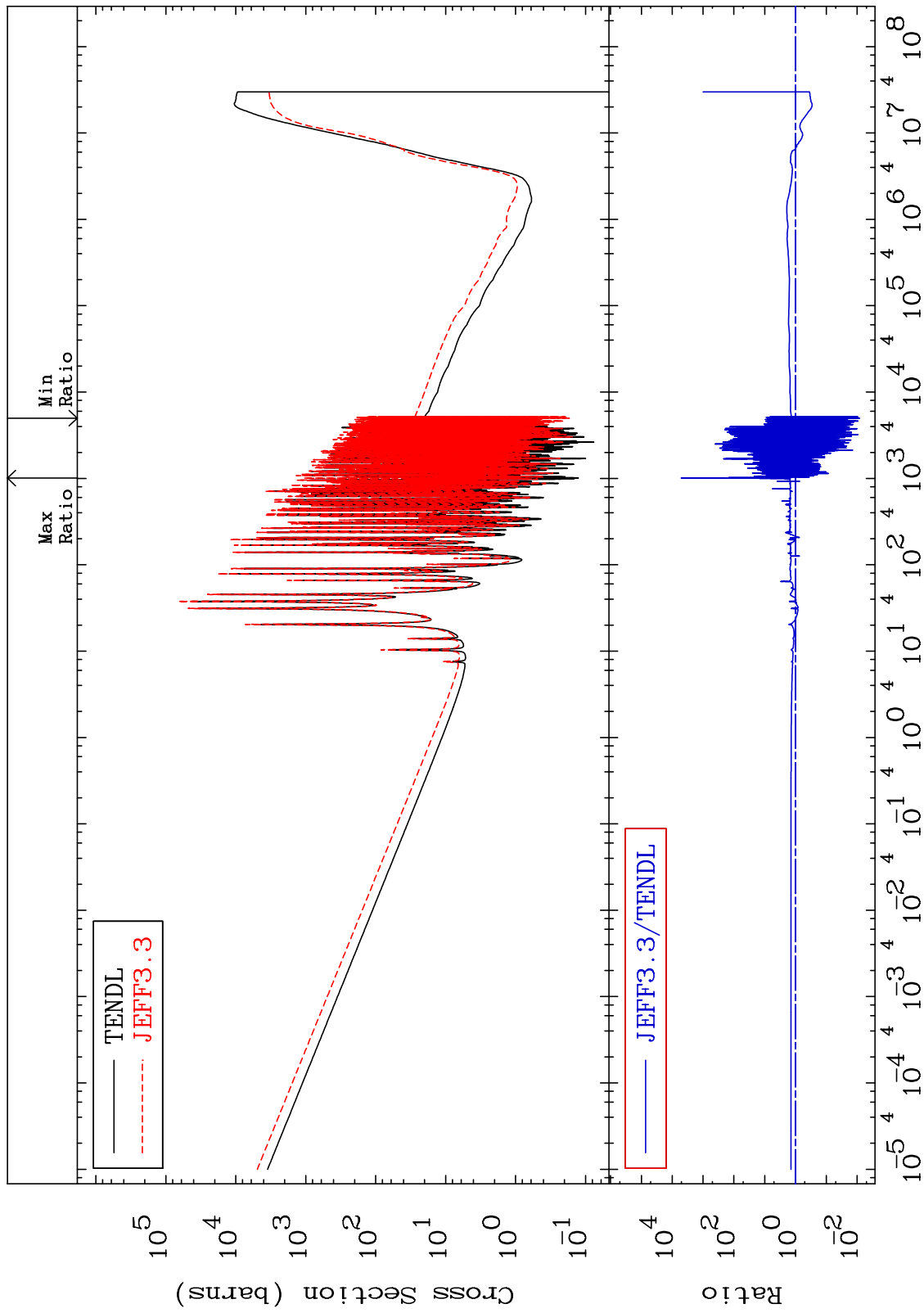
53-I -127
-97.01 To 7.903 %



MAT 5325

Dpa disappearance (mt102 -120)
Cross Section

53-I -127
-99.17 To 9999. %



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Incident Energy (eV)

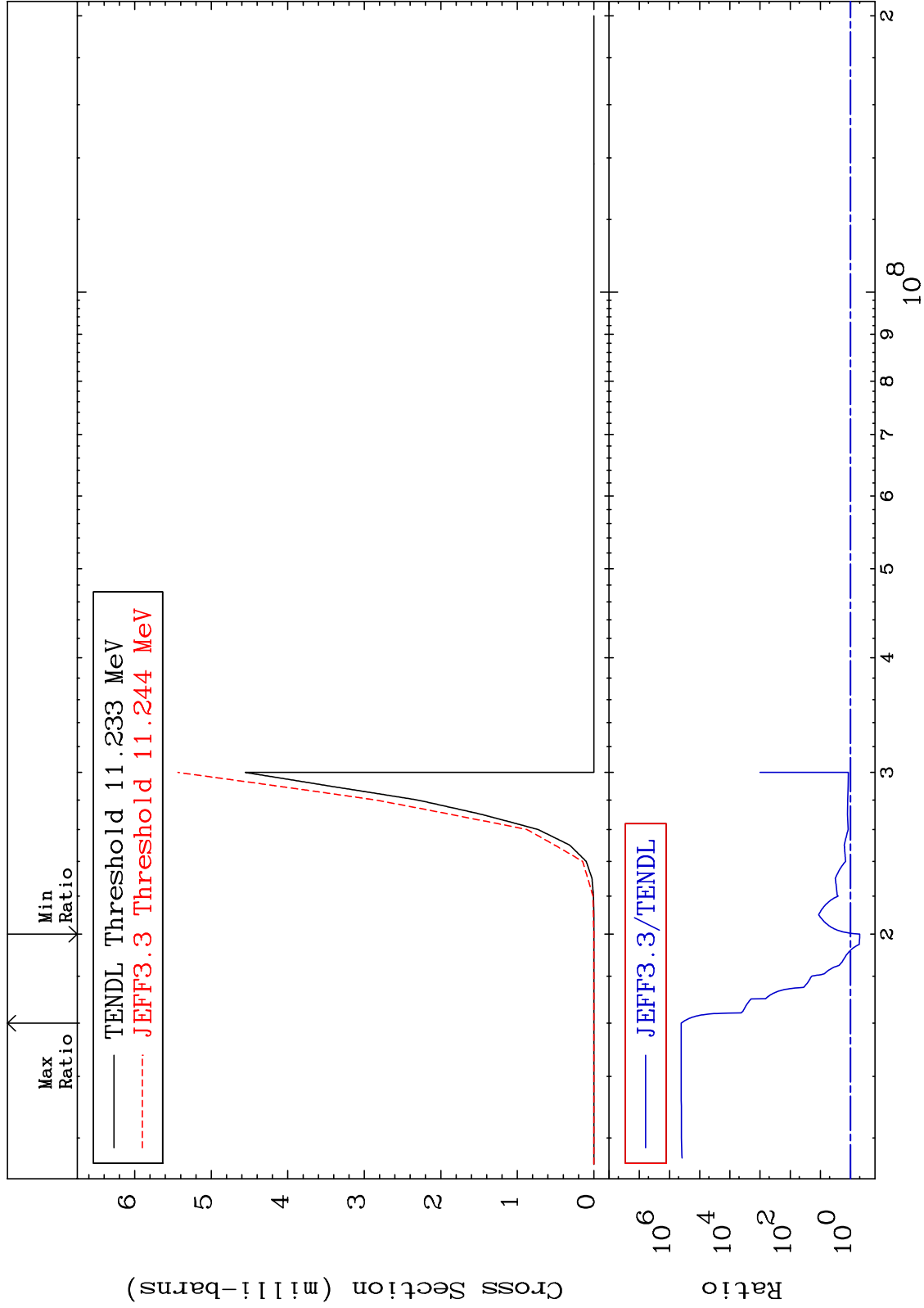
53-I -127

MAT 5325

(n,2n) α :51-Sb-122g

53-I -127

Radionuclide Production Cross Section -50.33 To 9999. %

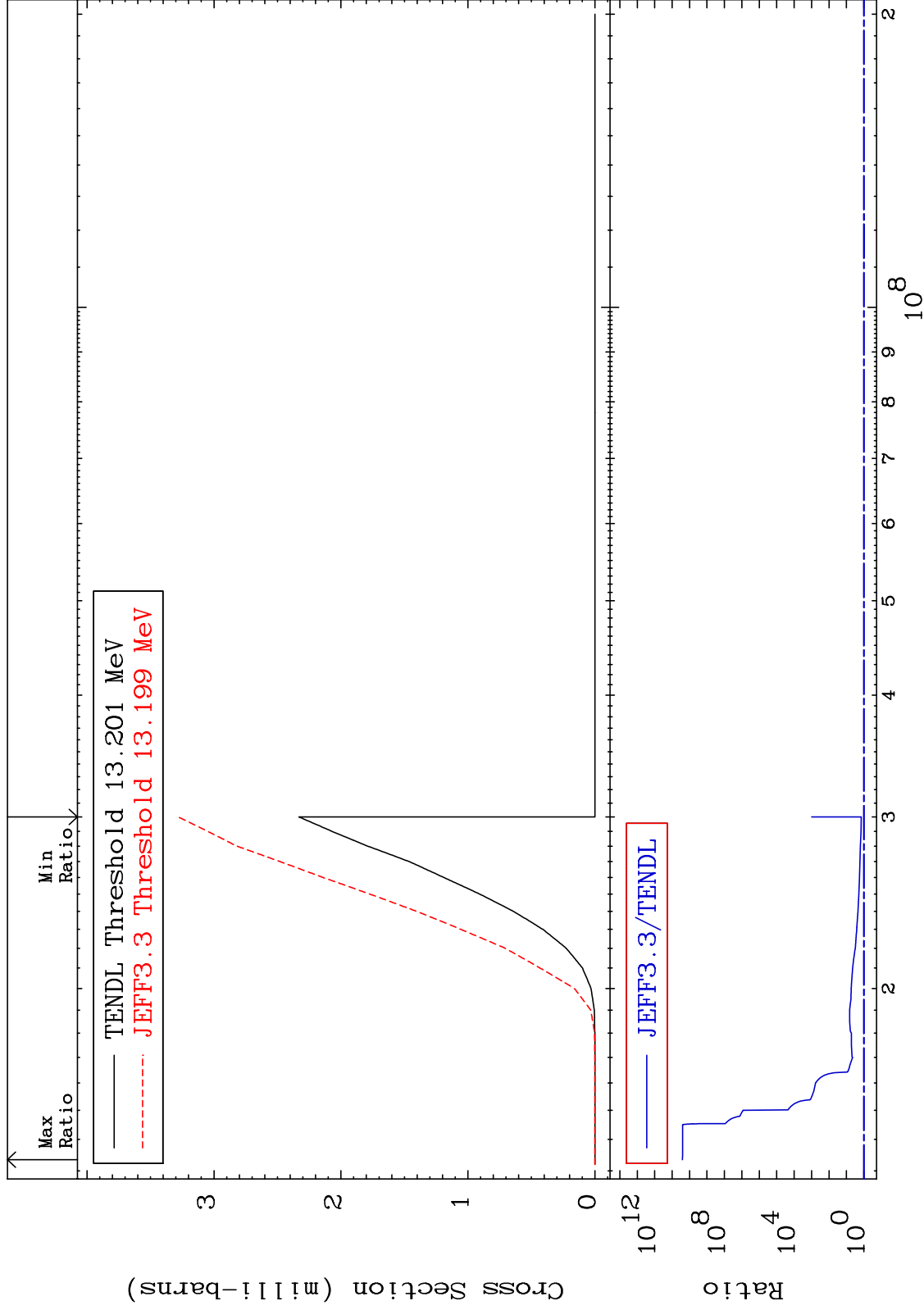


MAT 5325

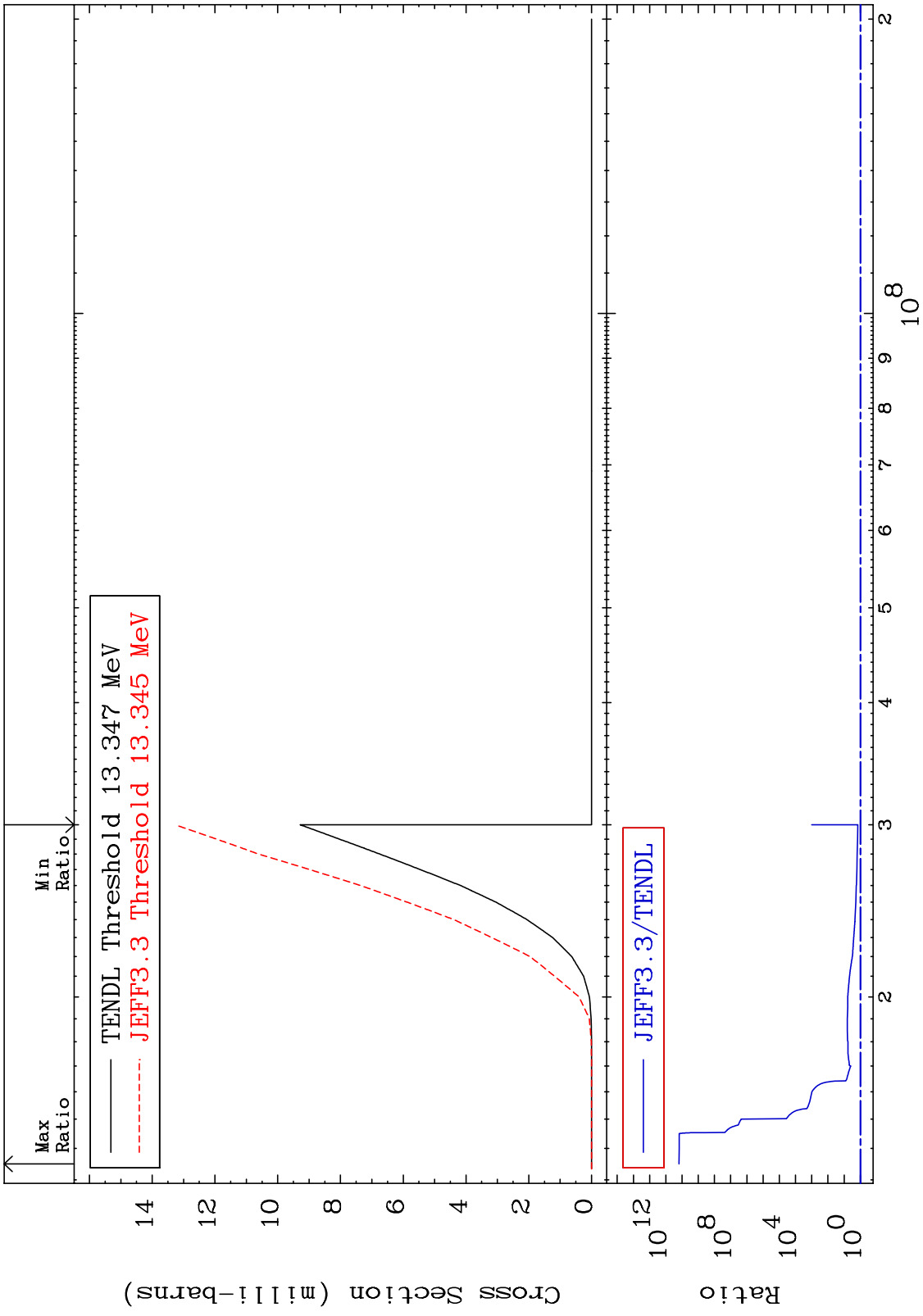
(n, n') d:52-Te-125g

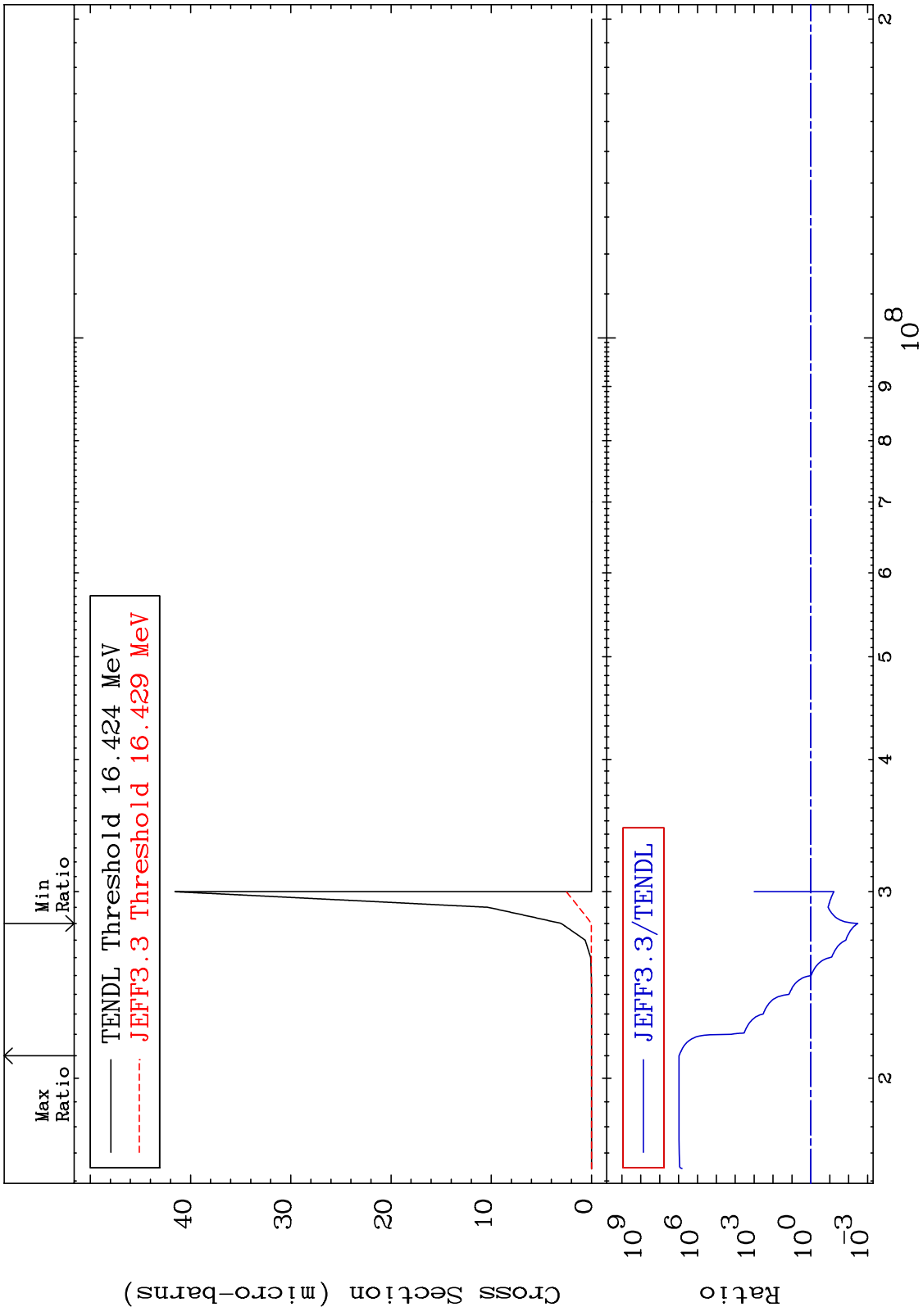
53-I -127

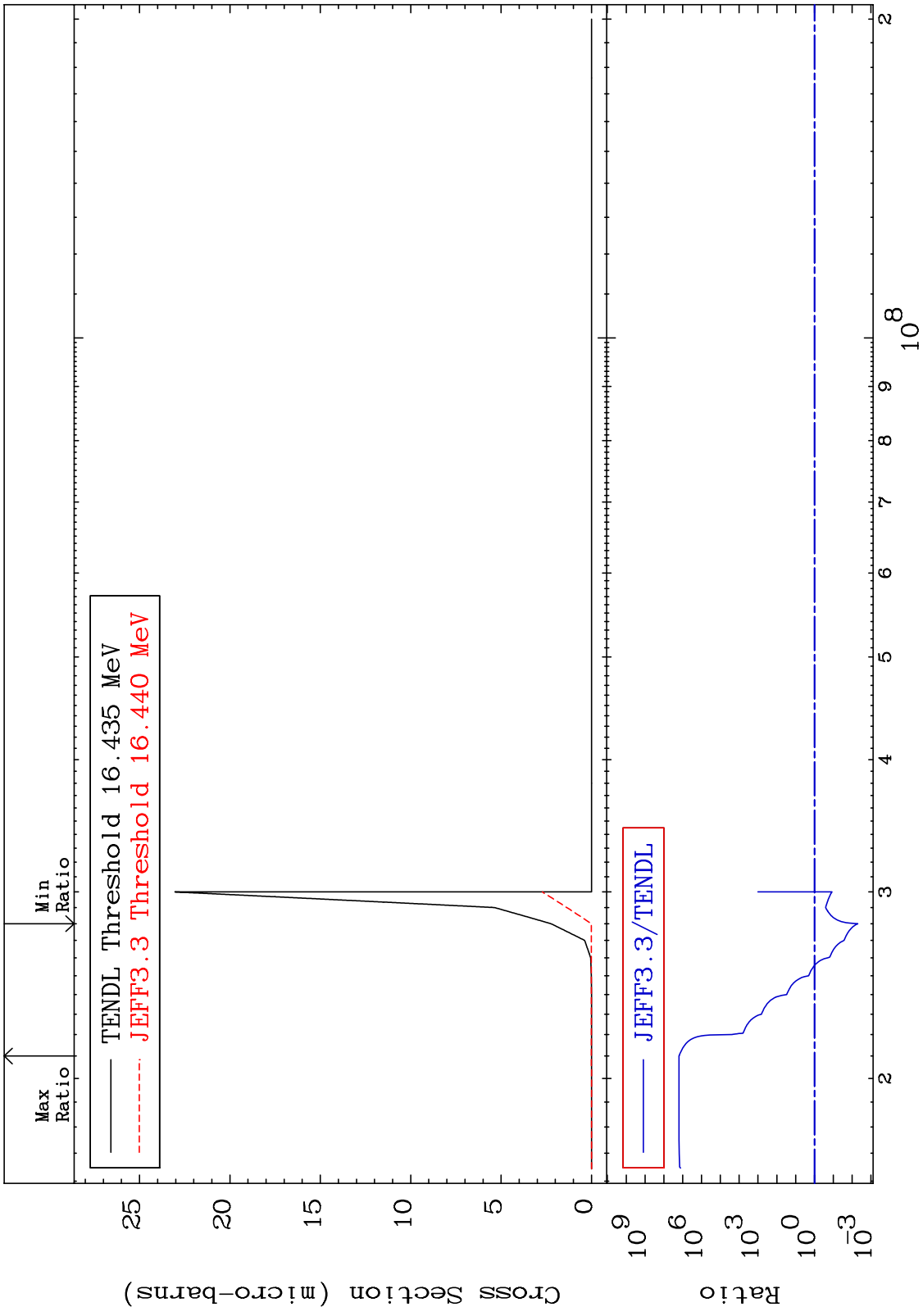
Radionuclide Production Cross Section 40.77 To 9999. %

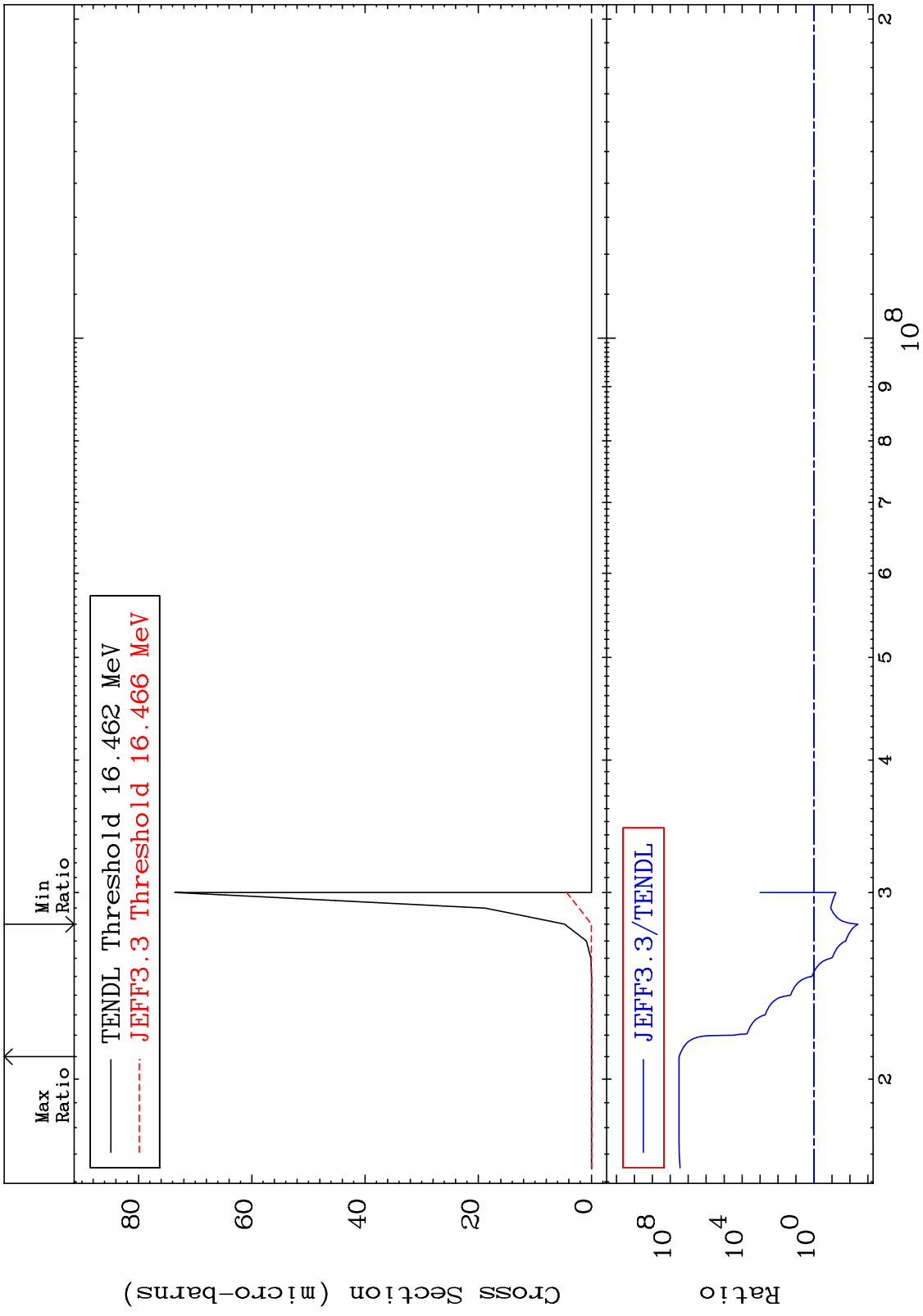


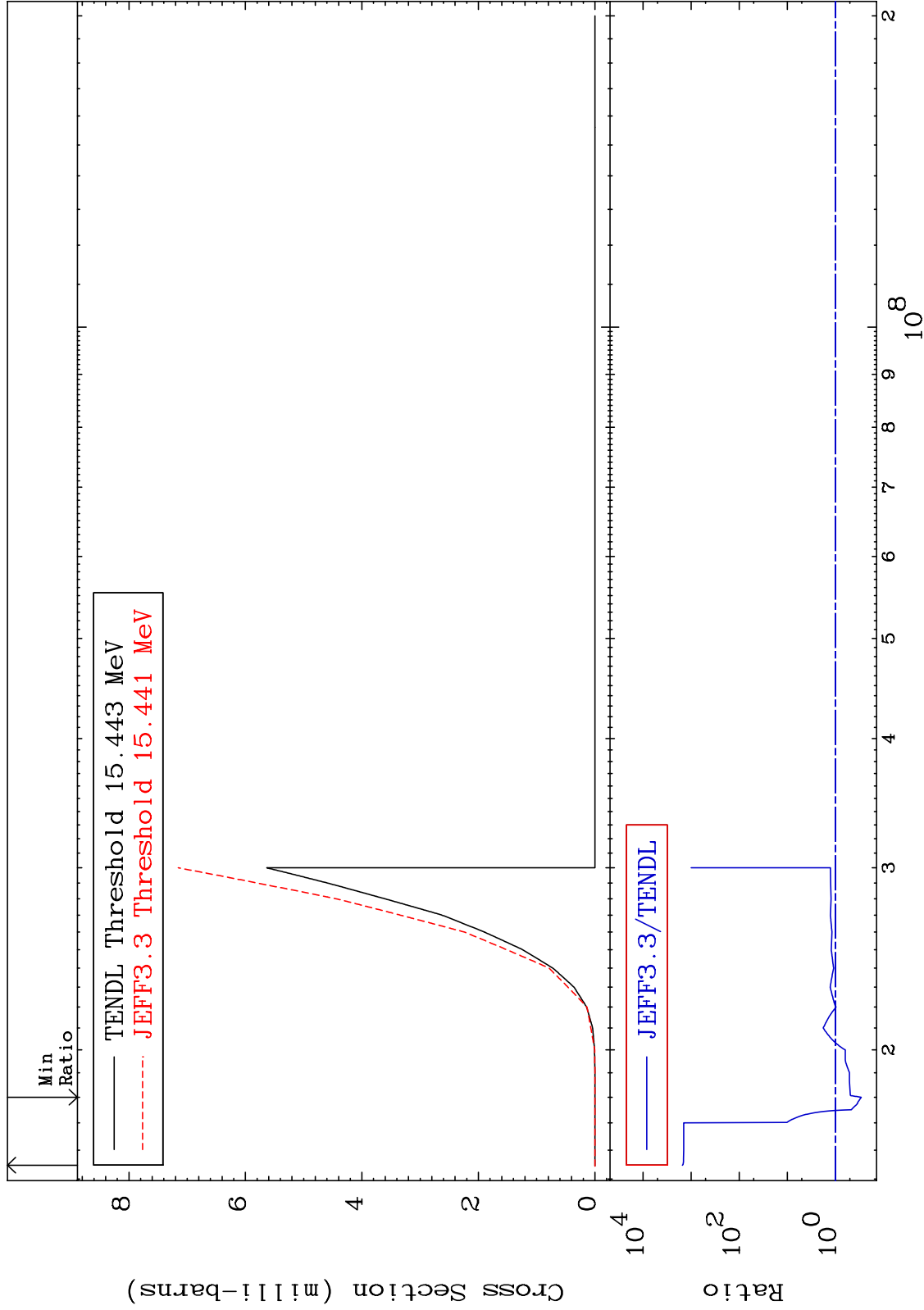
MAT 5325 (n,n') d:52-Te-125m2 53-I -127
 Radionuclide Production Cross Section 42.96 To 9999. %









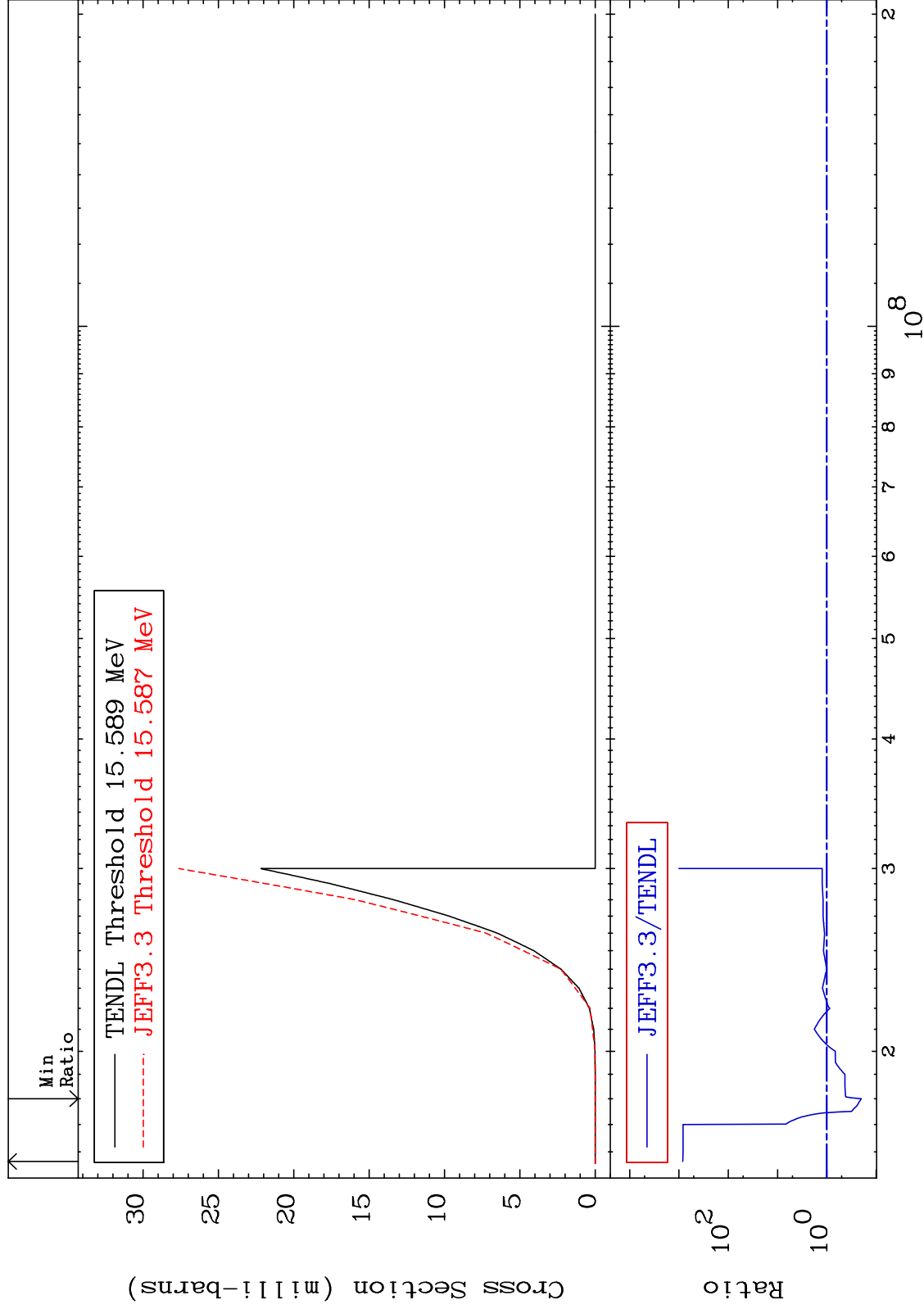


MAT 5325

(n,2n) p:52-Te-125m2

53-I -127

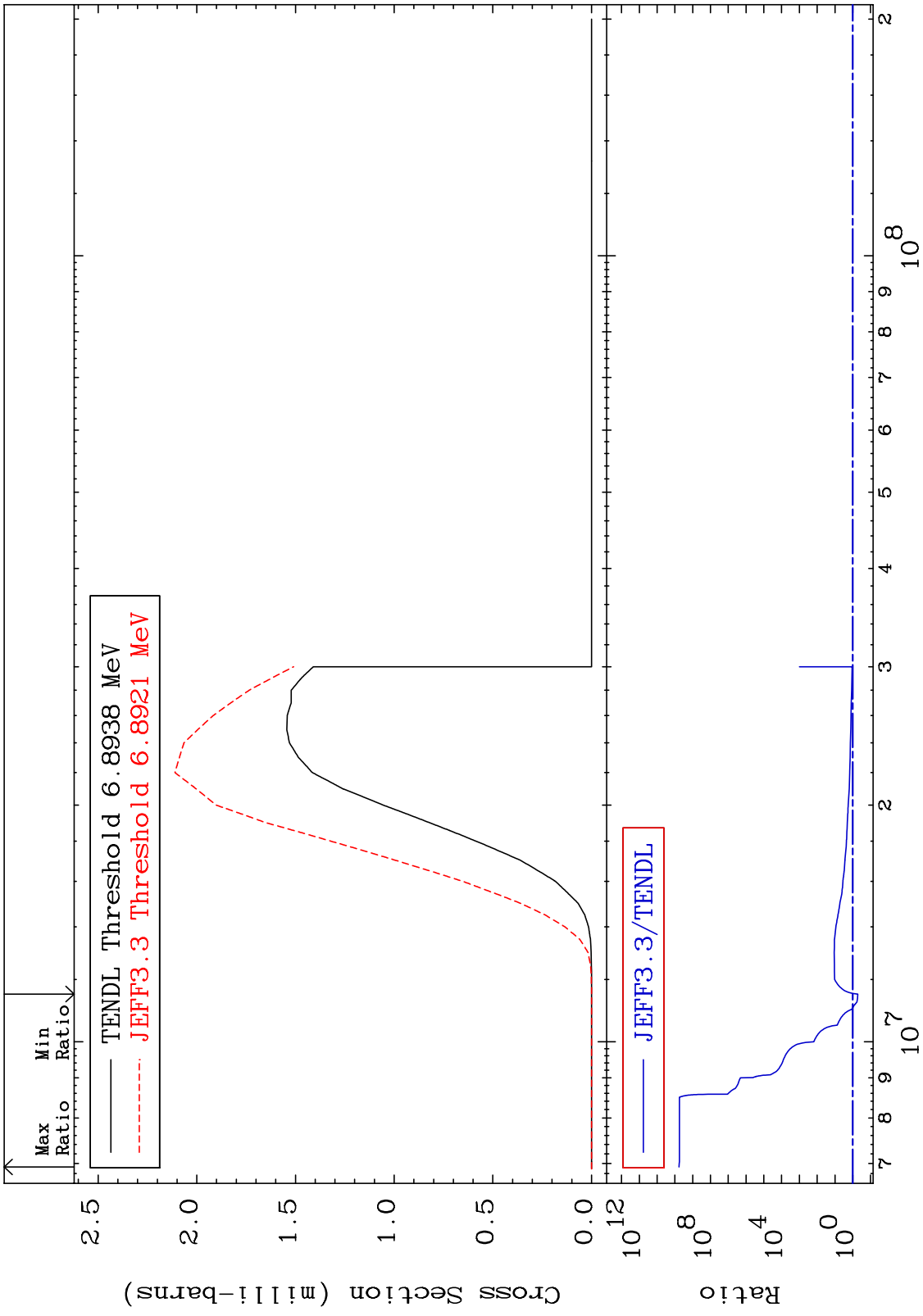
Radionuclide Production Cross Section -80.03 To 9999. %



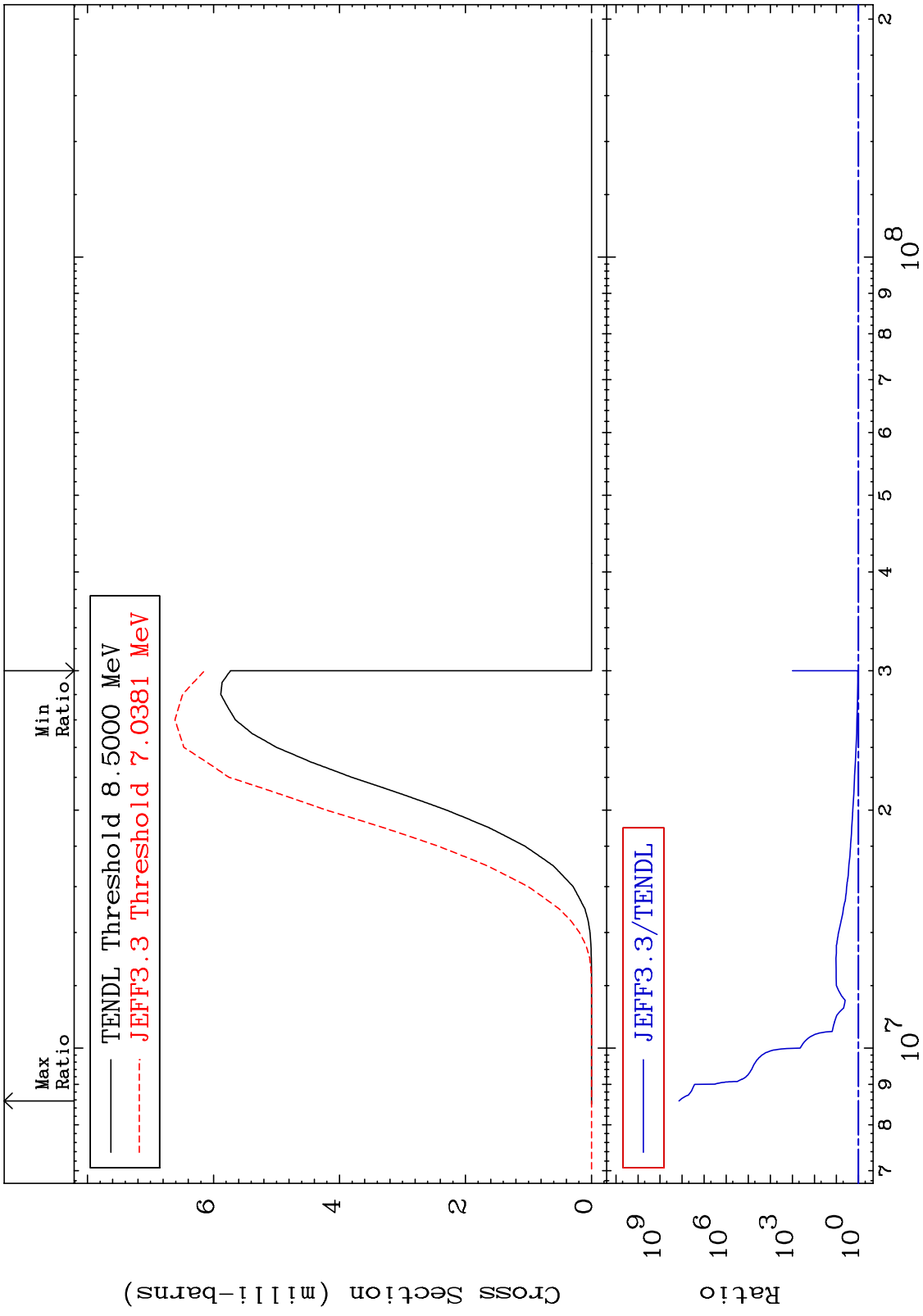
70

Incident Energy (eV)

53-I -127



MAT 5325 (n, t): 52-Te-125m2 53-I -127
 Radionuclide Production Cross Section 7.161 To 9999. %

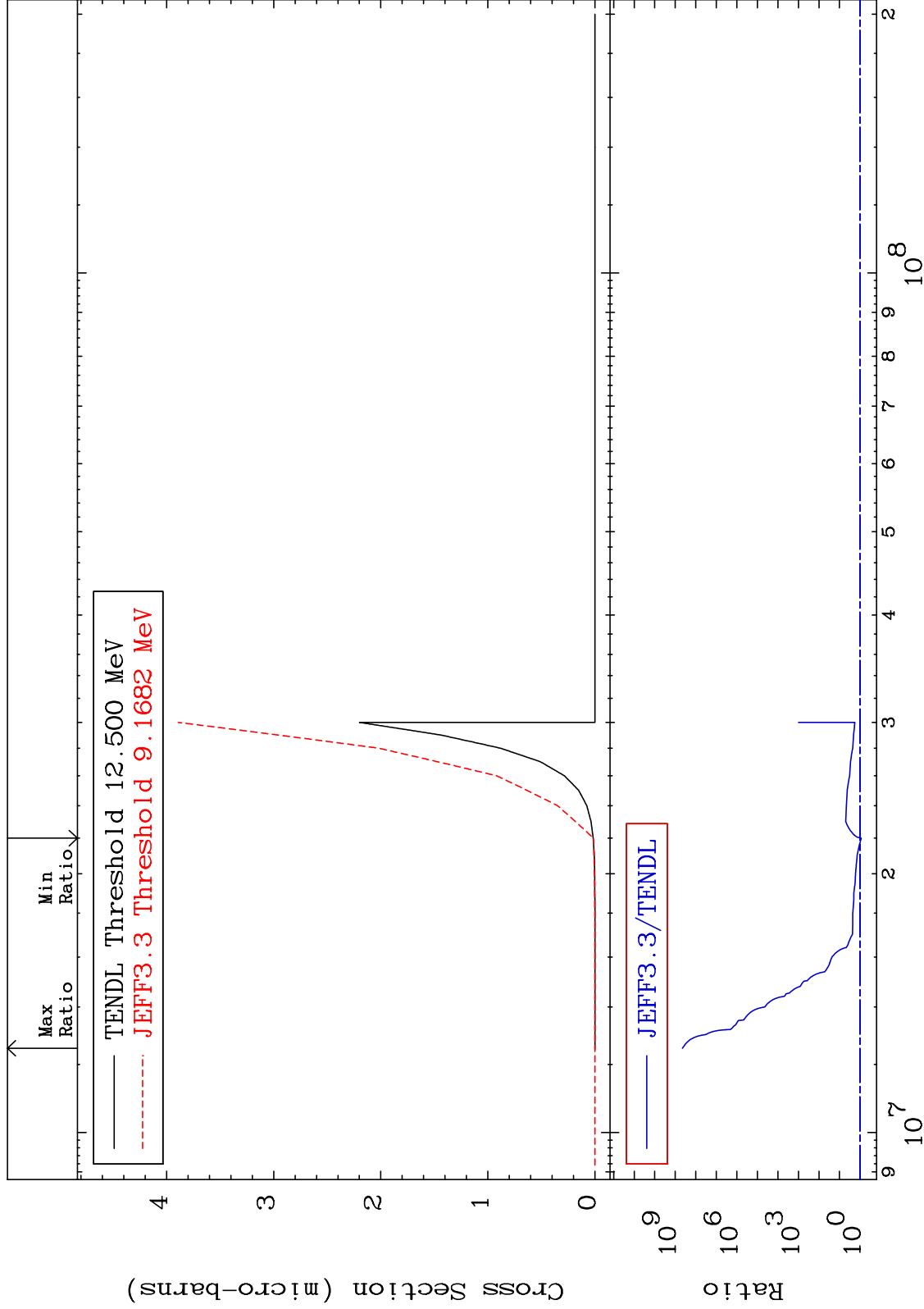


MAT 5325

(n,2p):51-Sb-126g

53-I -127

Radionuclide Production Cross Section -13.59 To 9999. %



73

Incident Energy (eV)

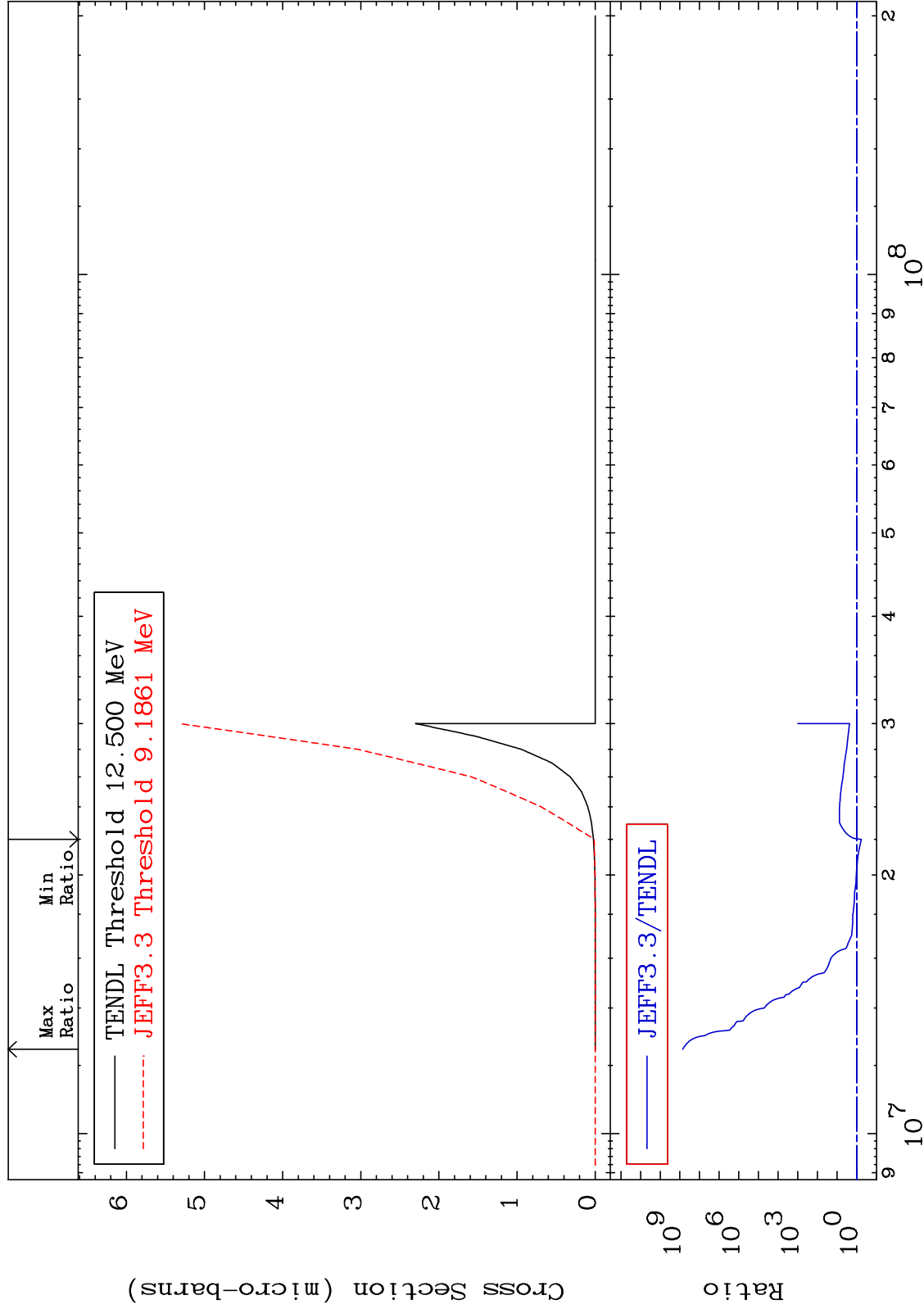
53-I -127

MAT 5325

(n,2p):51-Sb-126m1

53-I -127

Radionuclide Production Cross Section -42.50 To 9999. %



74

Incident Energy (eV)

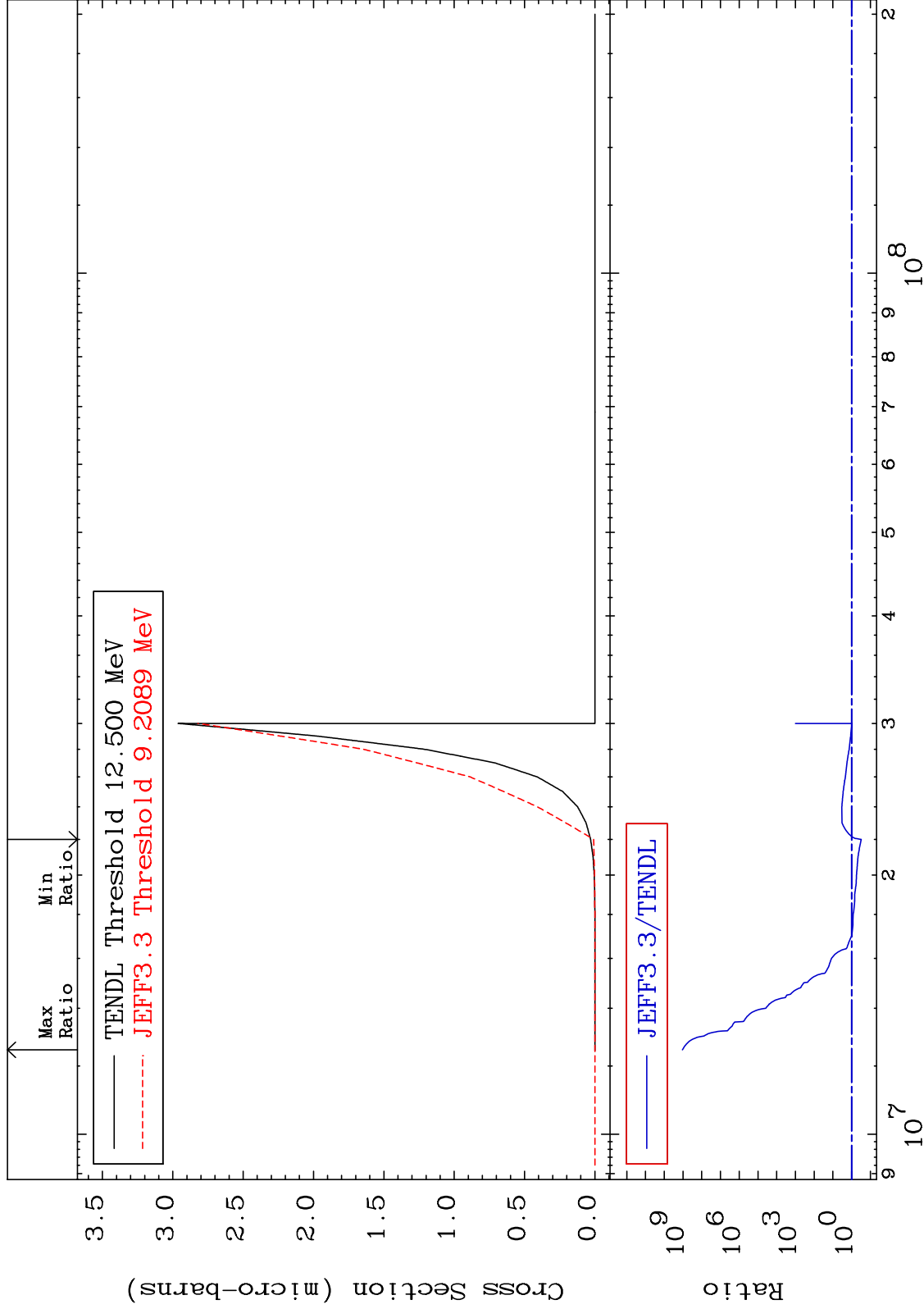
53-I -127

MAT 5325

(n,2p):51-Sb-126m2

53-I -127

Radionuclide Production Cross Section -69.38 To 9999. %



75

Incident Energy (eV)

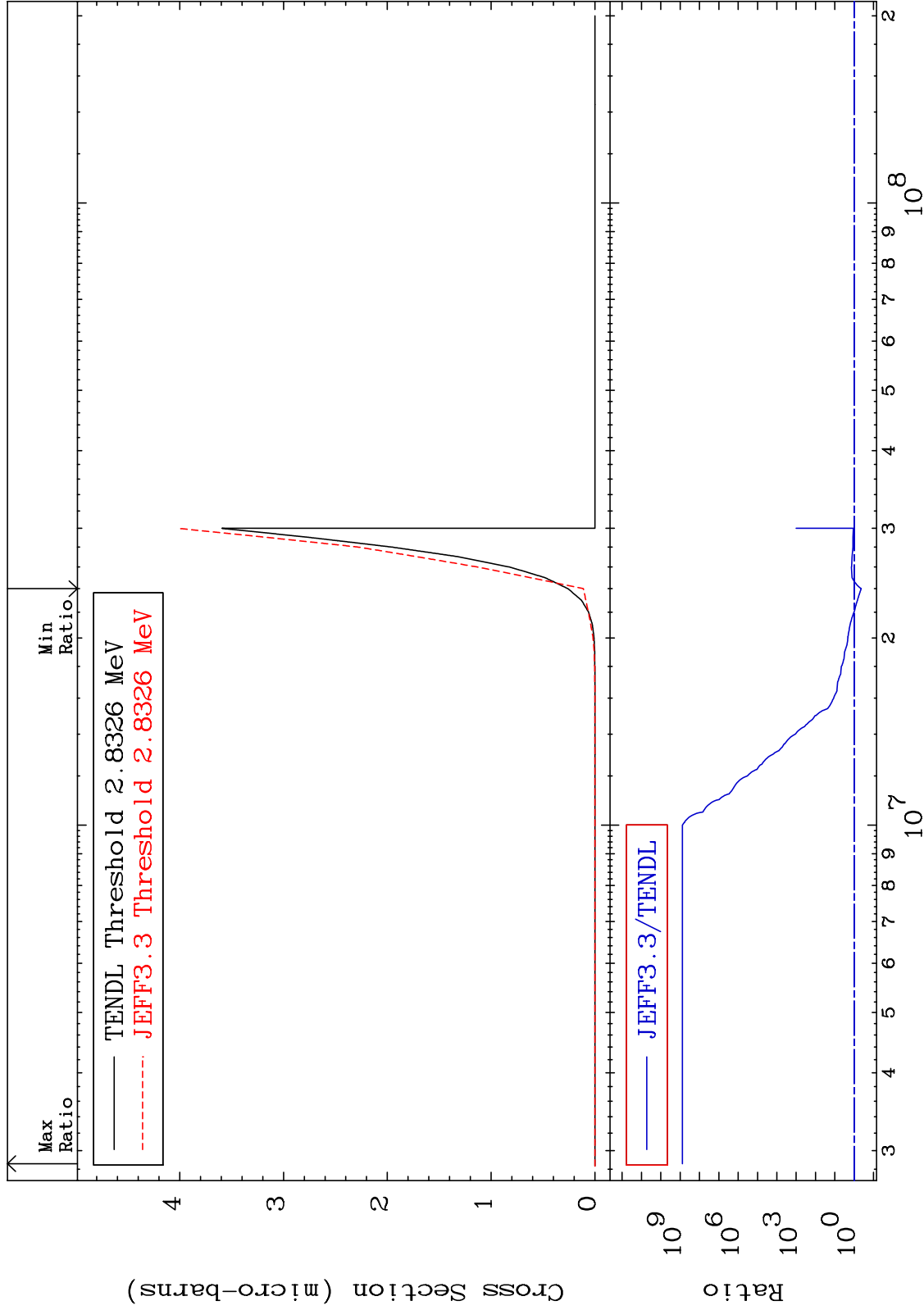
53-I -127

MAT 5325

(n,p) α :50-Sn-123g

53-I -127

Radionuclide Production Cross Section -57.00 To 9999. %



76

Incident Energy (eV)

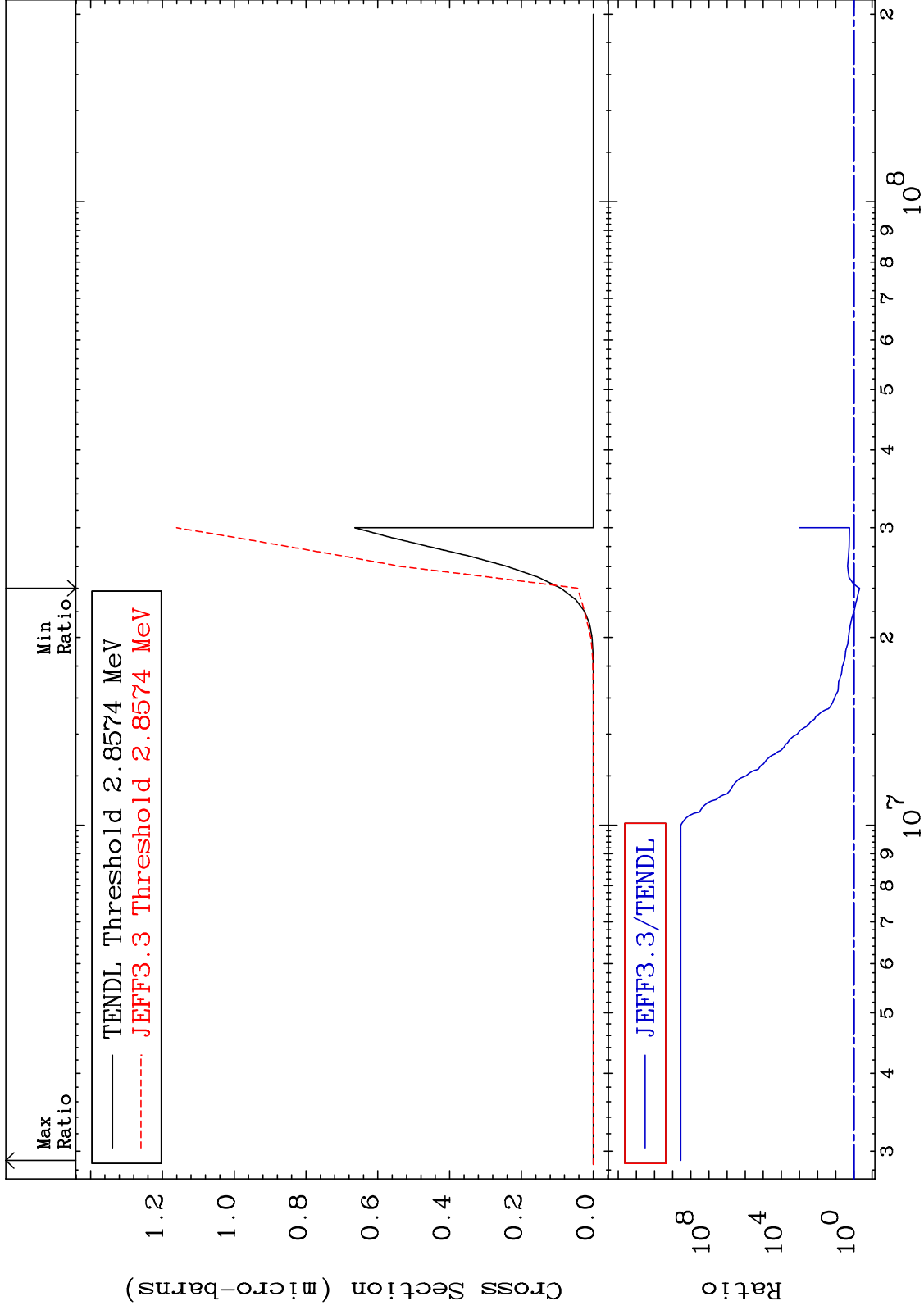
53-I -127

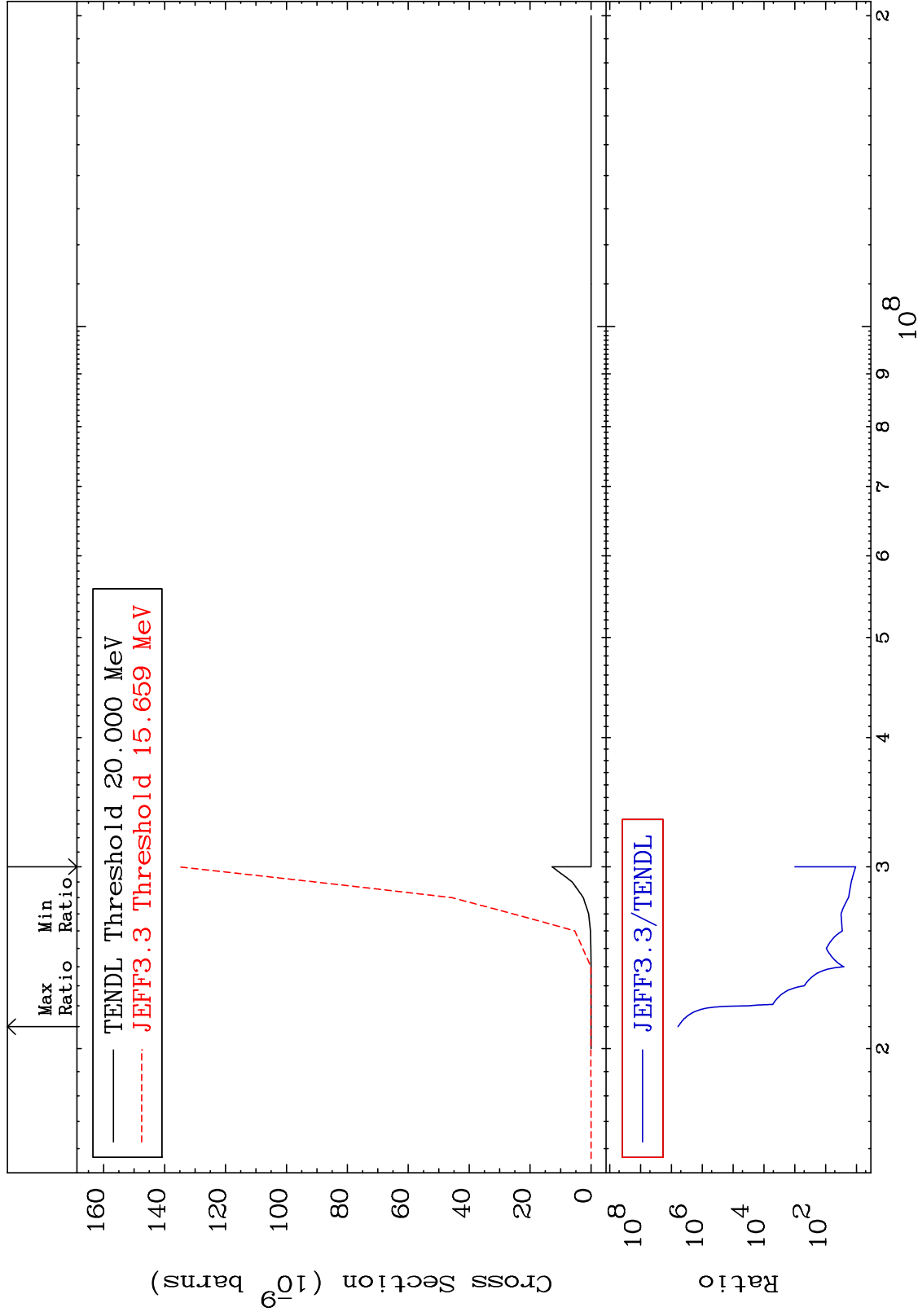
MAT 5325

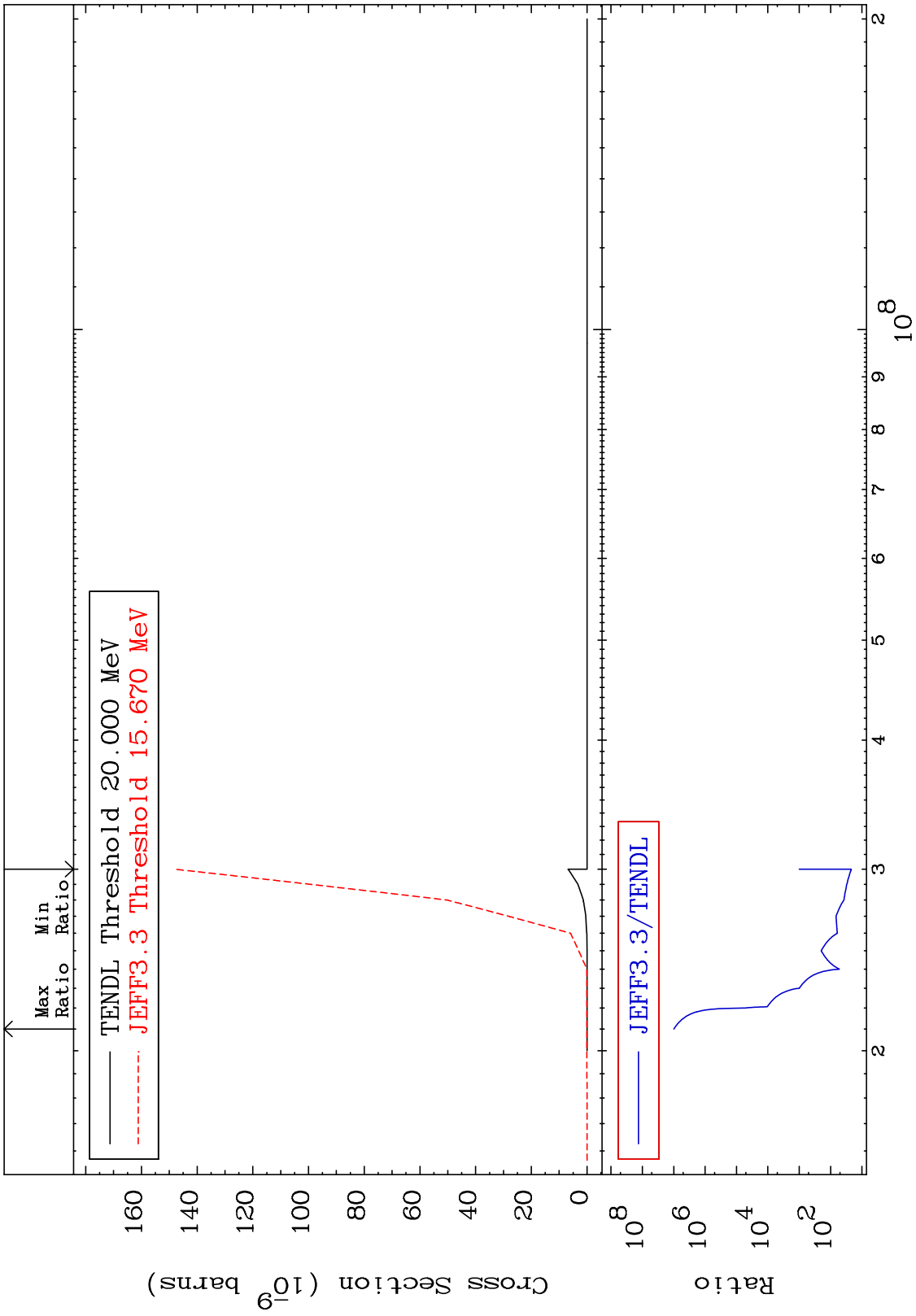
(n,p) α :50-Sn-123m1

53-I -127

Radionuclide Production Cross Section -51.73 To 9999. %







MAT 5325

(n,p) t:51-Sb-124m2

53-I -127

Radionuclide Production Cross Section 1146. To 9999. %

