

Program Complot
(Version 2018-1)

by

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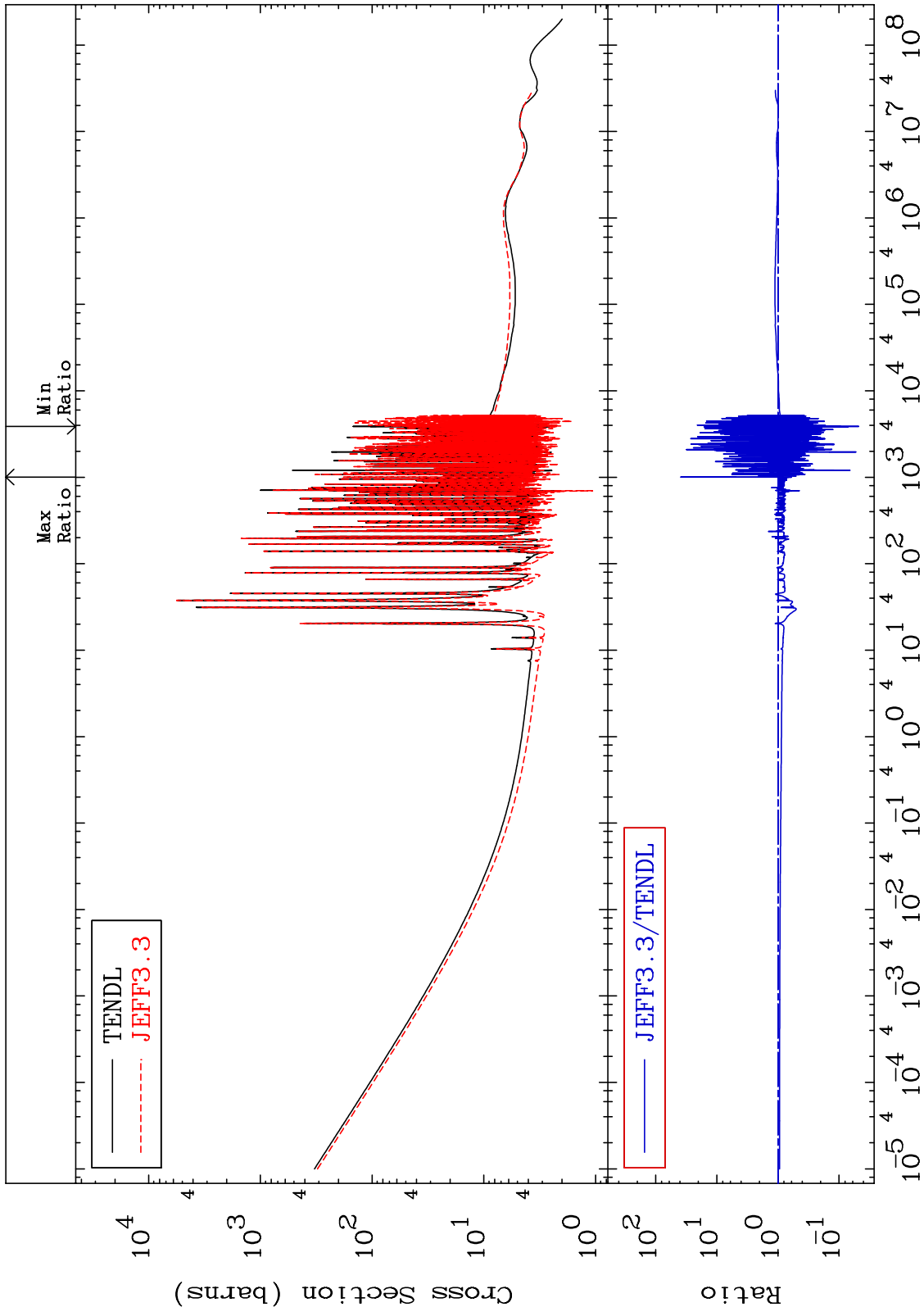
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5325

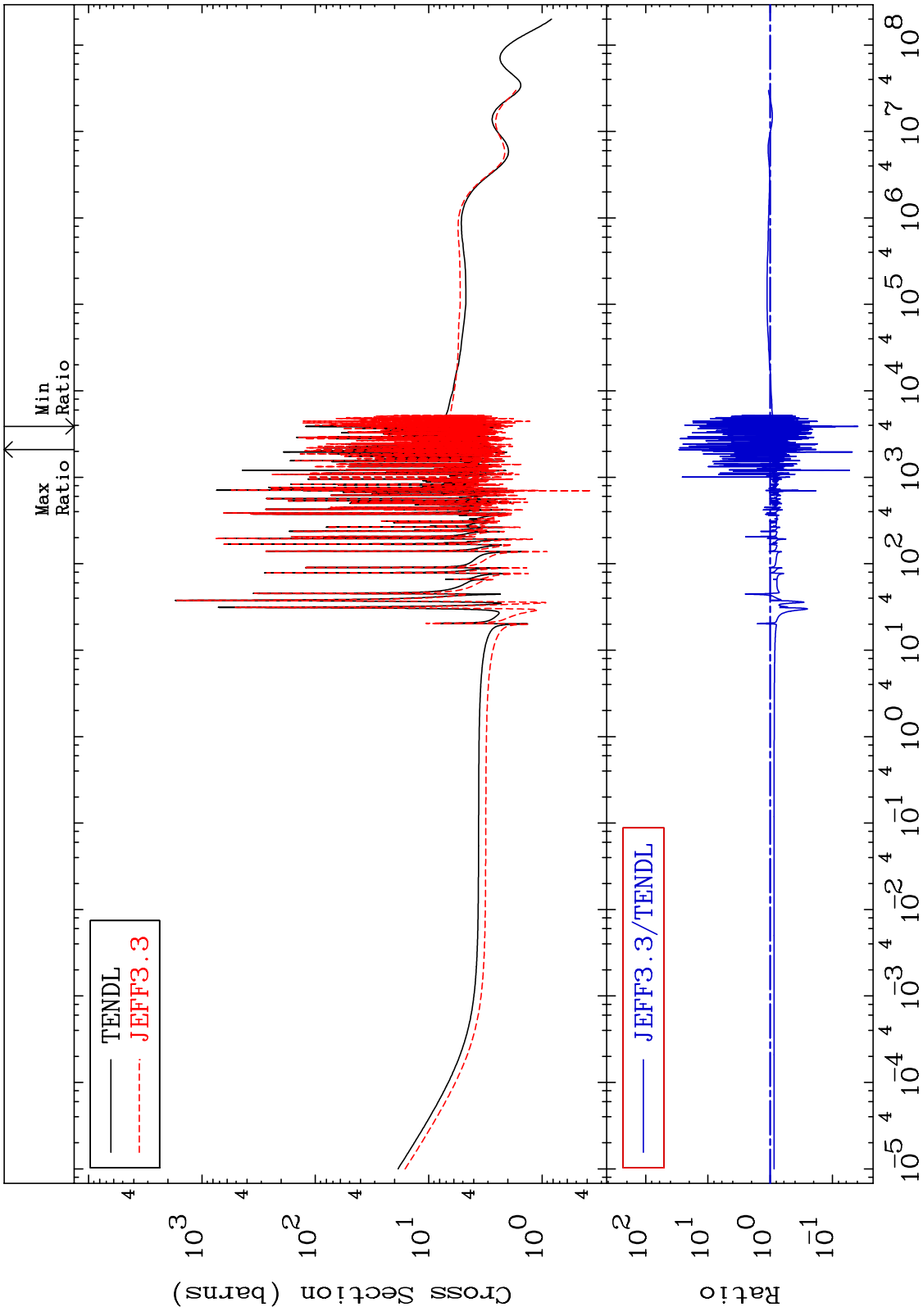
Total
Cross Section

53-I -127
-95.26 To 3864. %

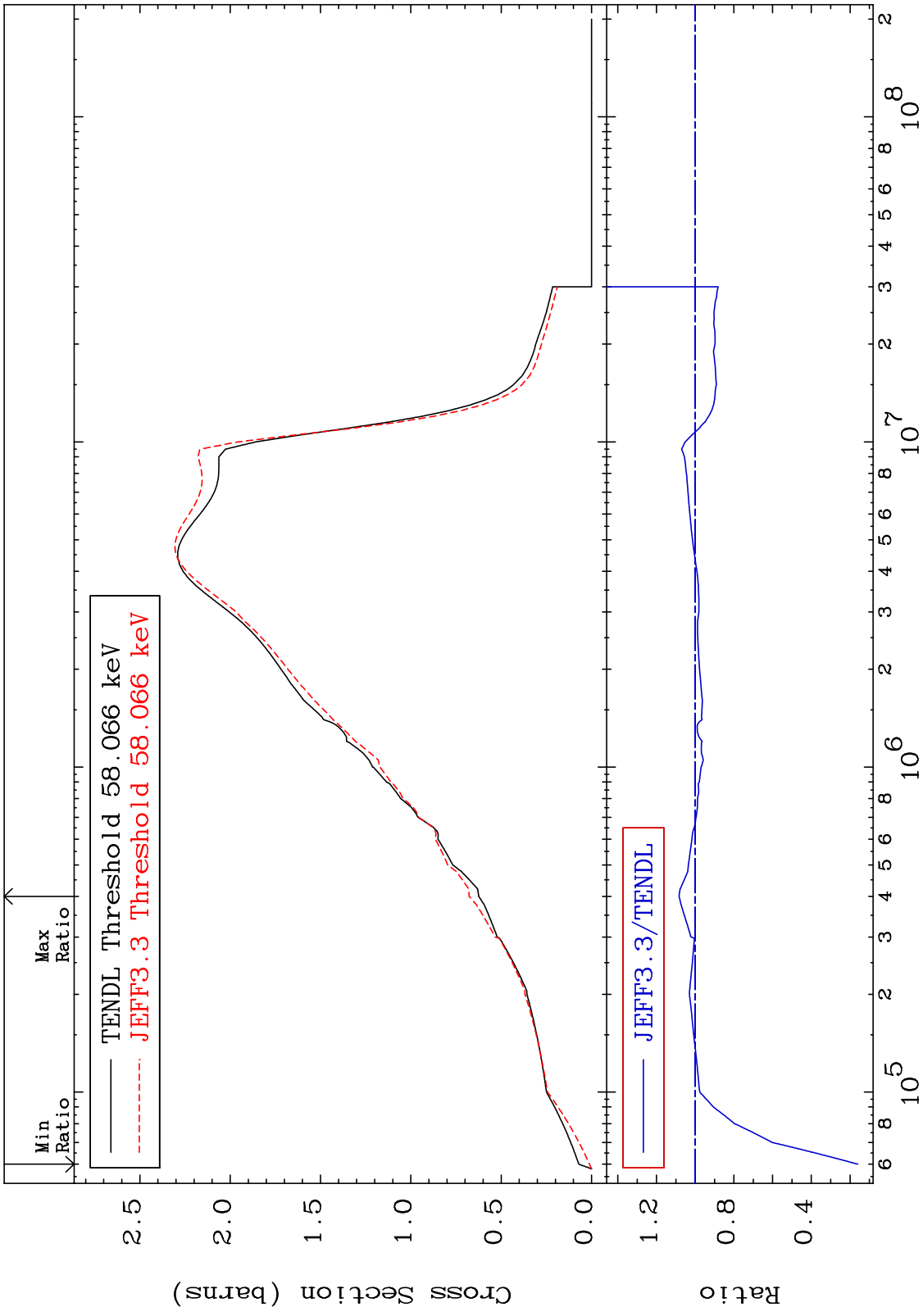


Incident Energy (eV)

53-I -127

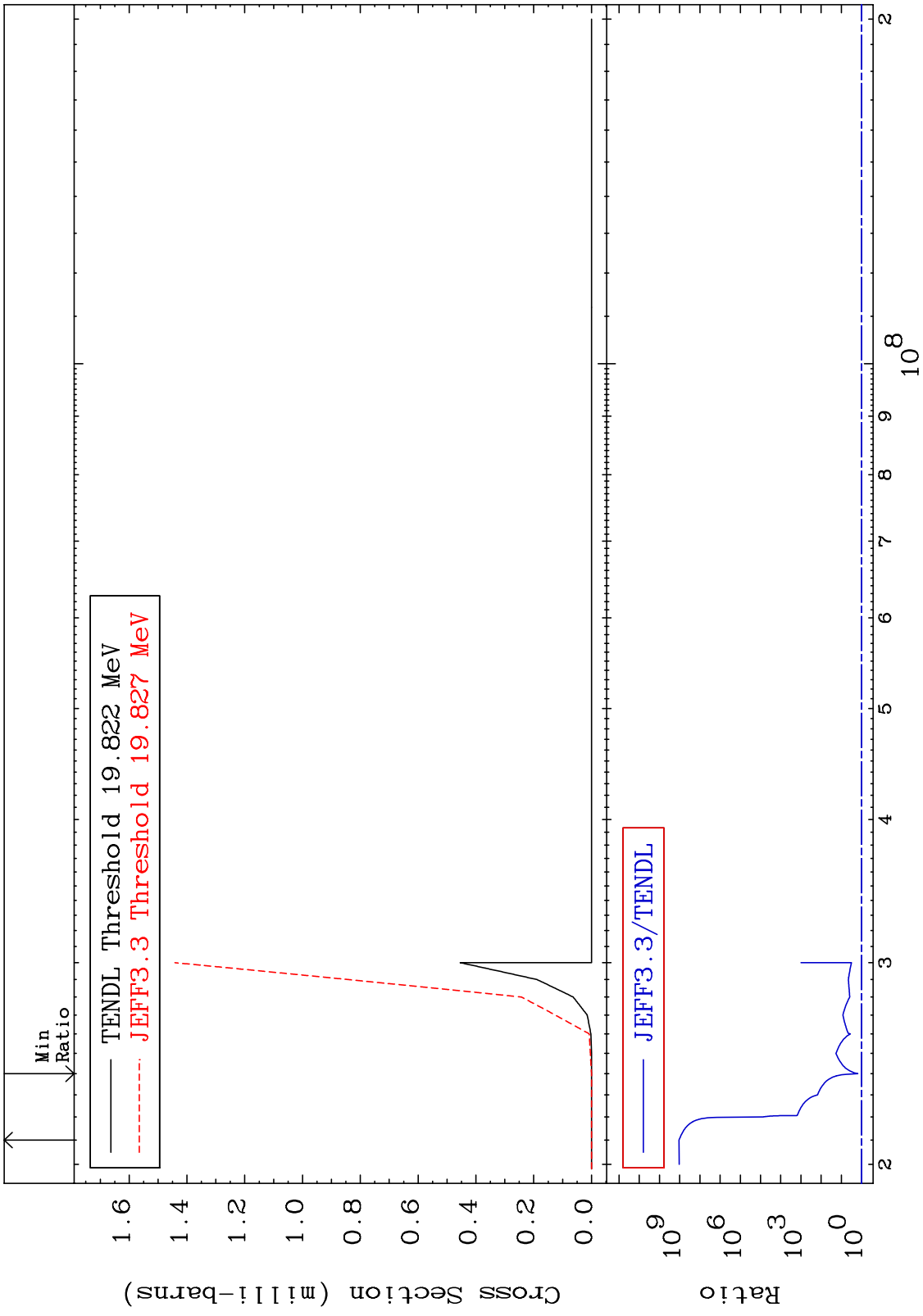


MAT 5325 Inelastic Cross Section 53-I -127
-84.03 To 8.350 %

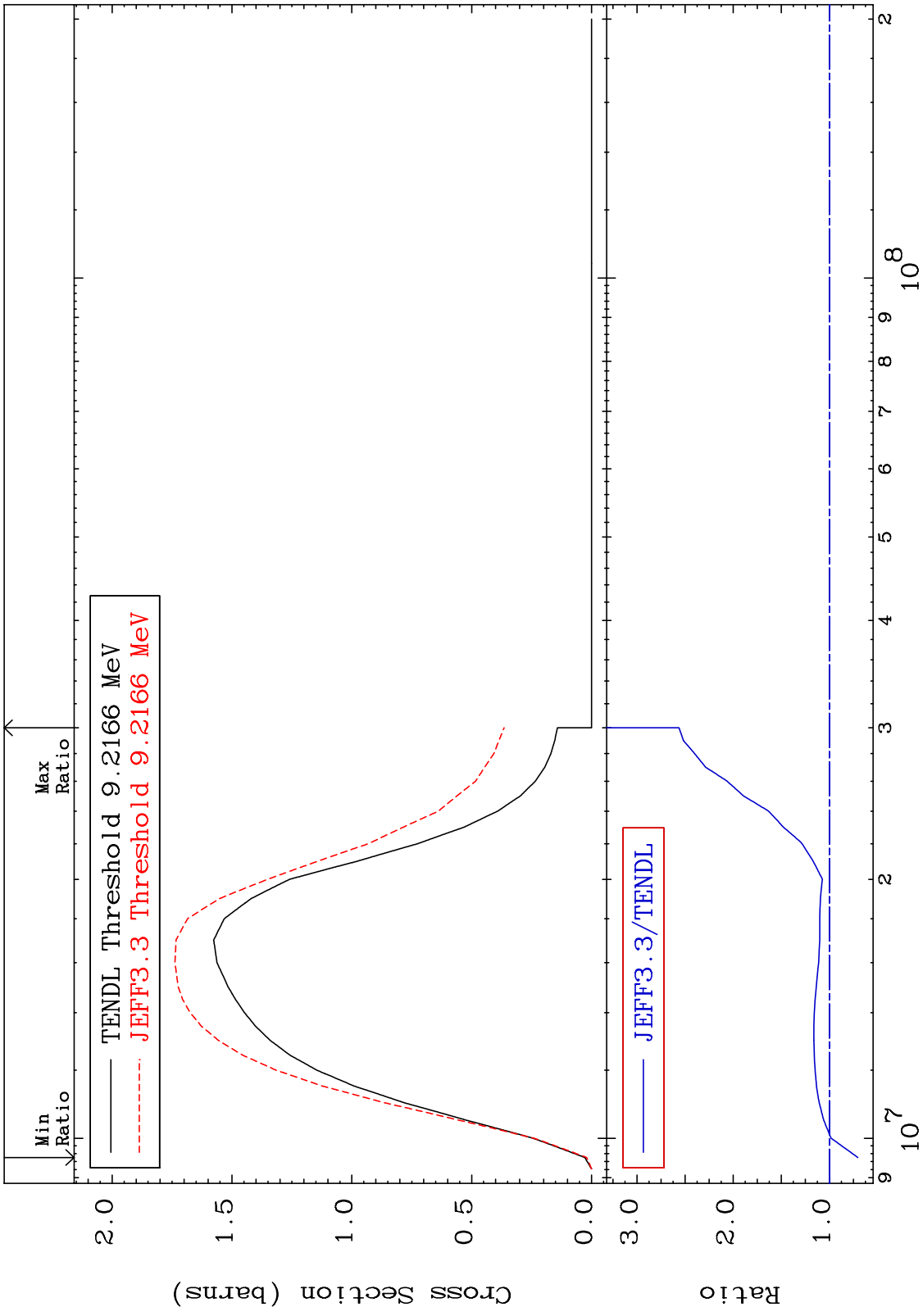


3 53-I -127

MAT 5325 (n,2n) d 53-I -127
 Cross Section 51.75 To 9999. %

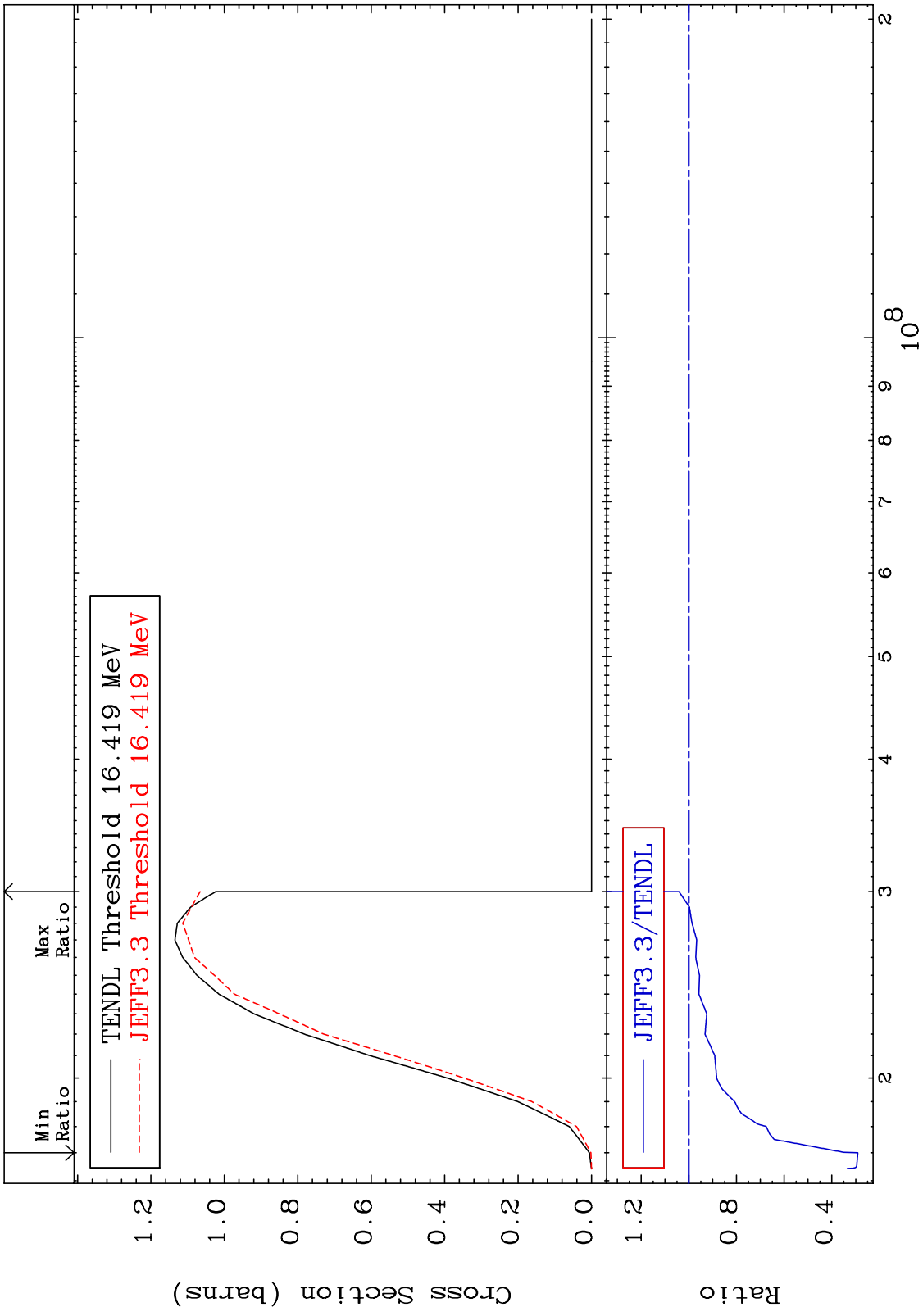


MAT 5325 (n,2n) Cross Section 53-I -127 -29.62 To 156.3 %



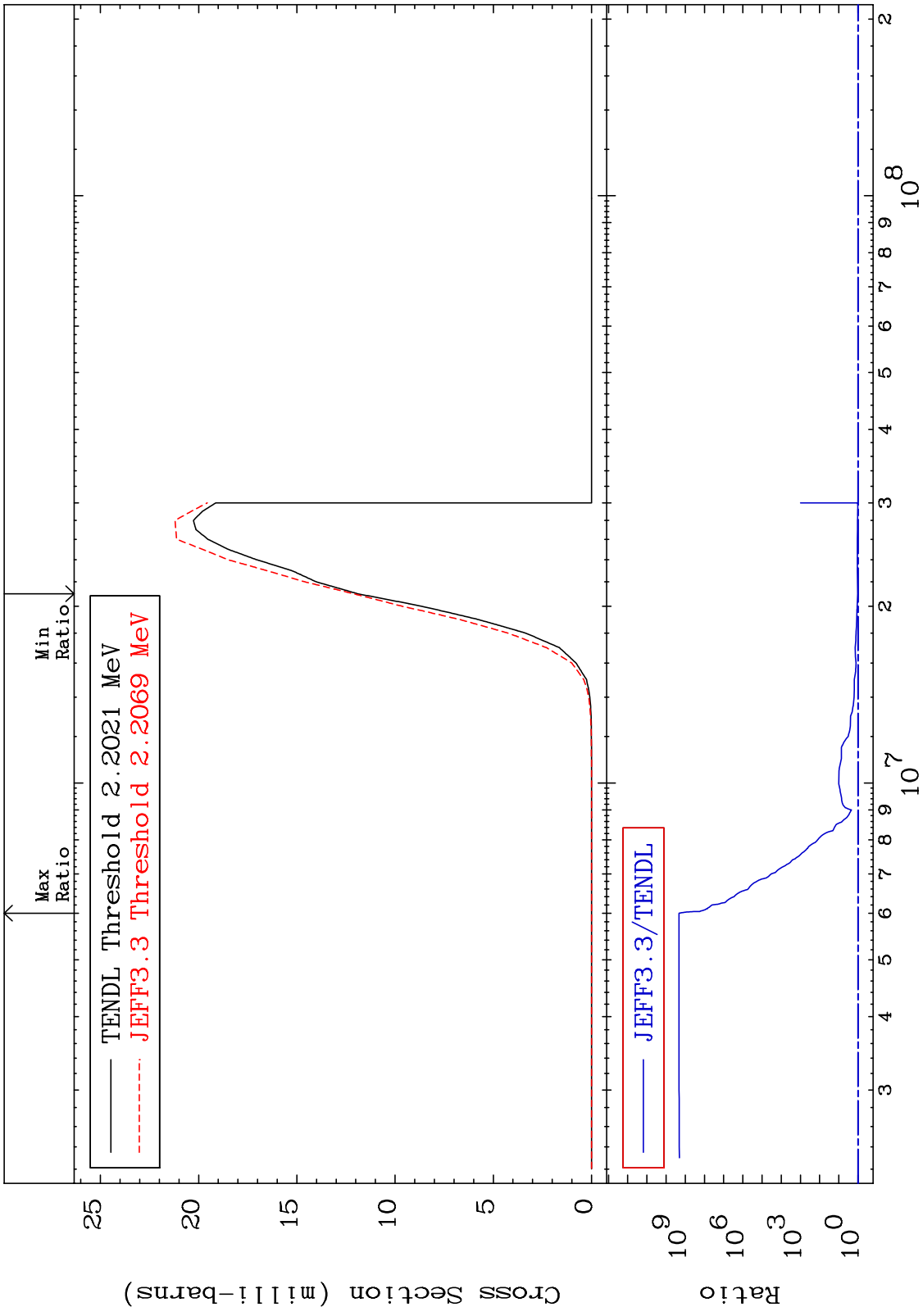
53-I -127

MAT 5325 (n,3n) Cross Section 53-I -127 -70.89 To 4.132 %

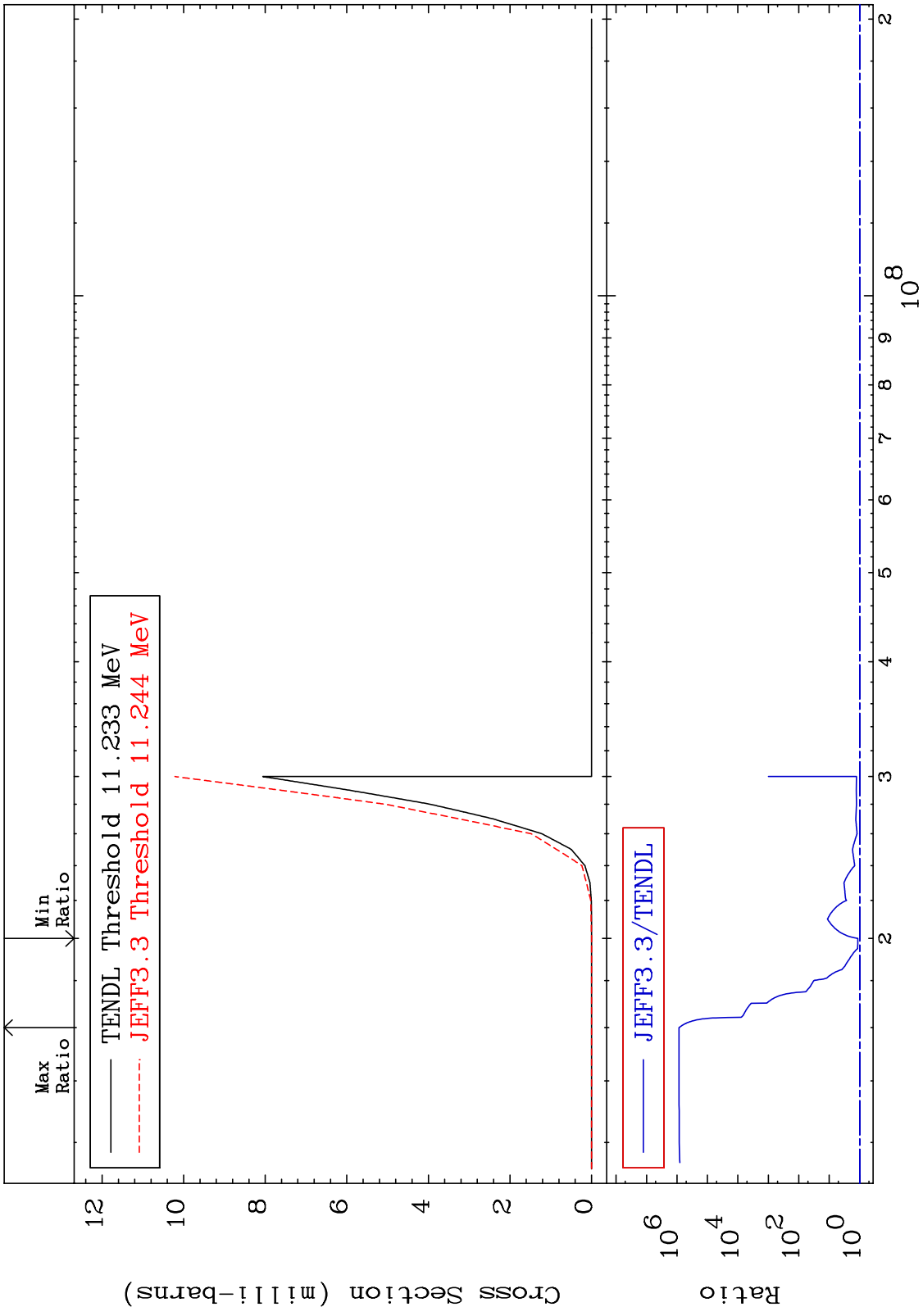


6 53-I -127

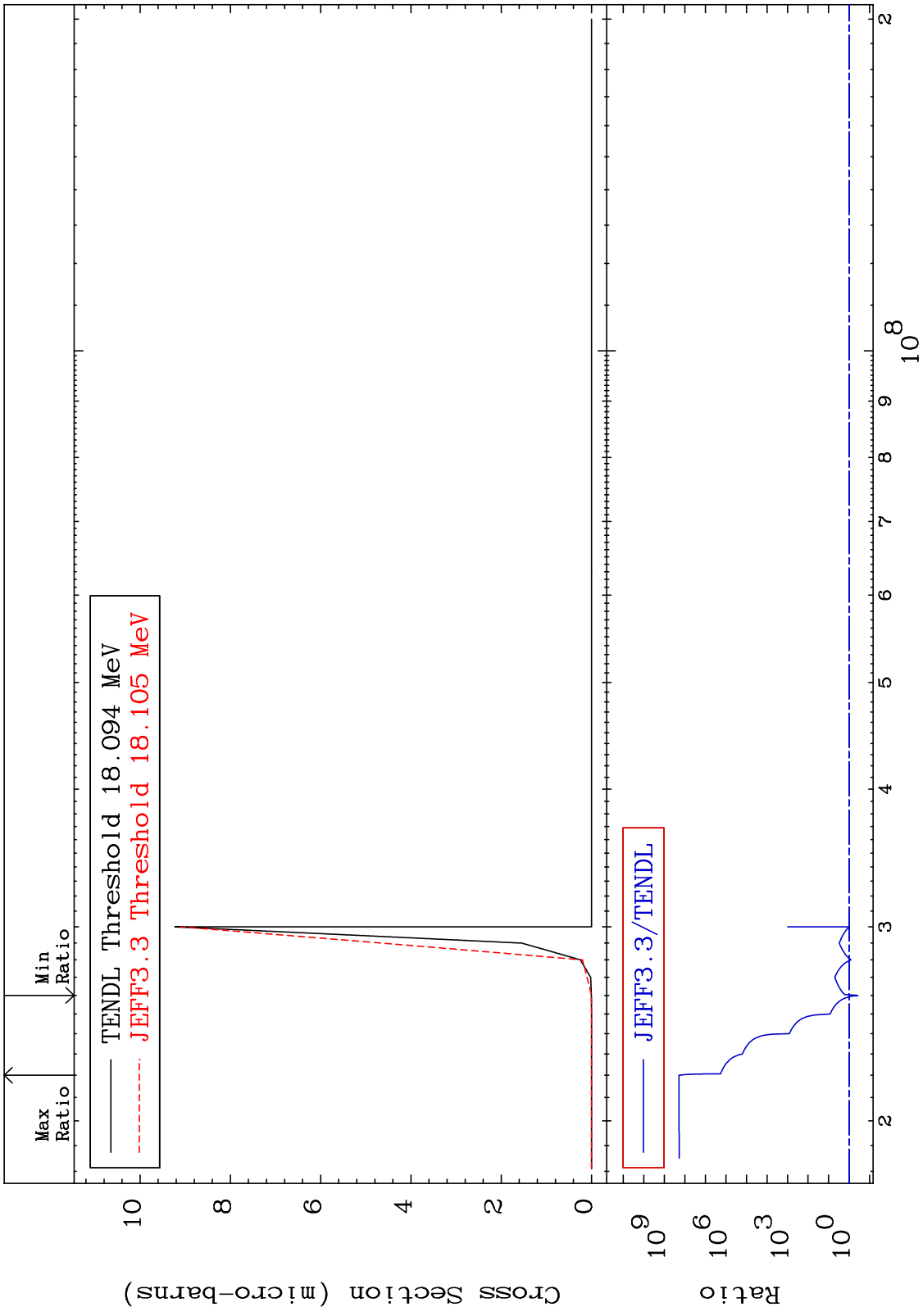
MAT 5325 $(n, n') \alpha$ 53-I -127
 Cross Section 1.763 To 9999. %



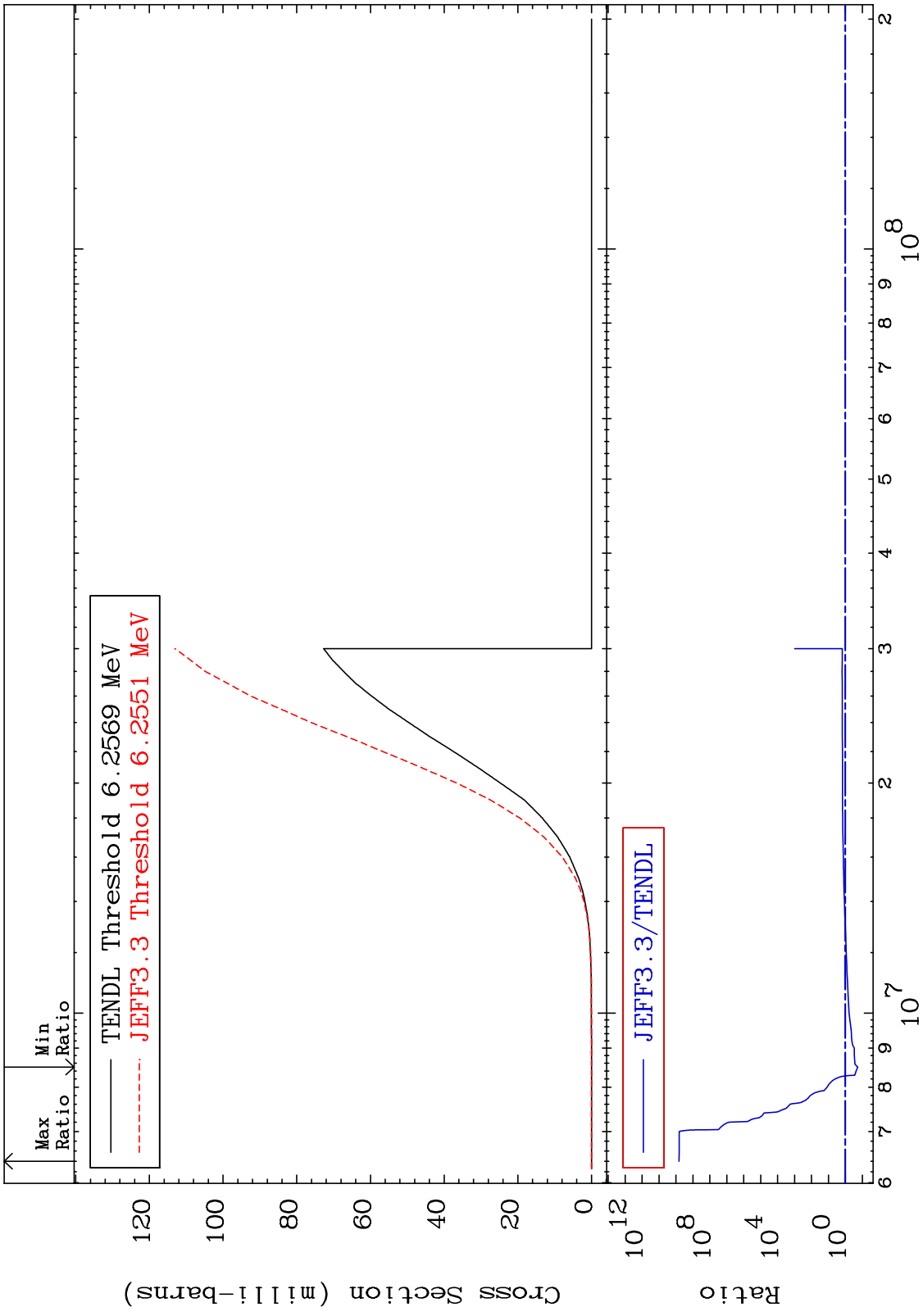
MAT 5325 (n,2n) α 53-I -127
 Cross Section 14.85 To 9999. %



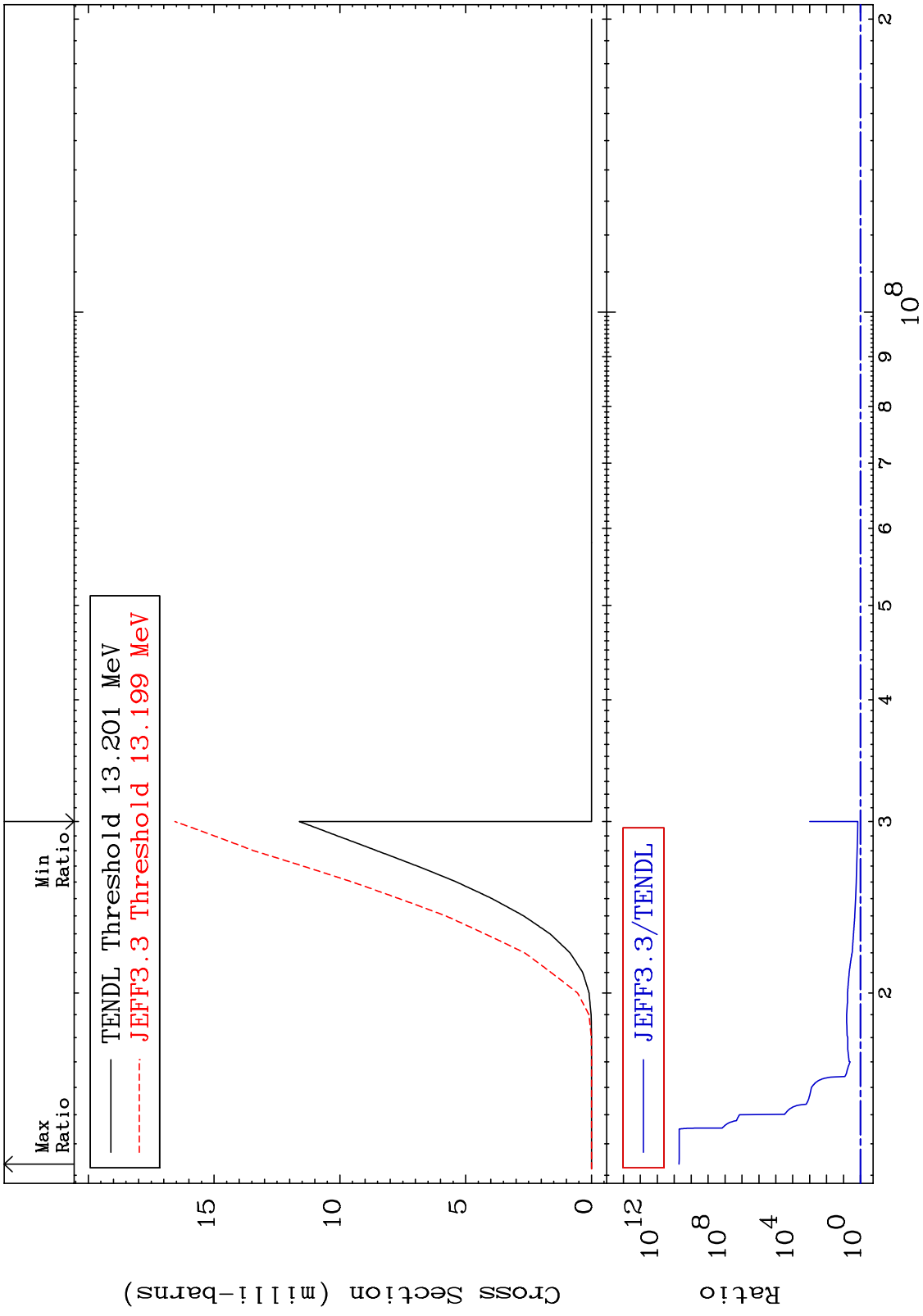
MAT 5325 (n,3n) α 53-I -127
 Cross Section -62.41 To 9999. %



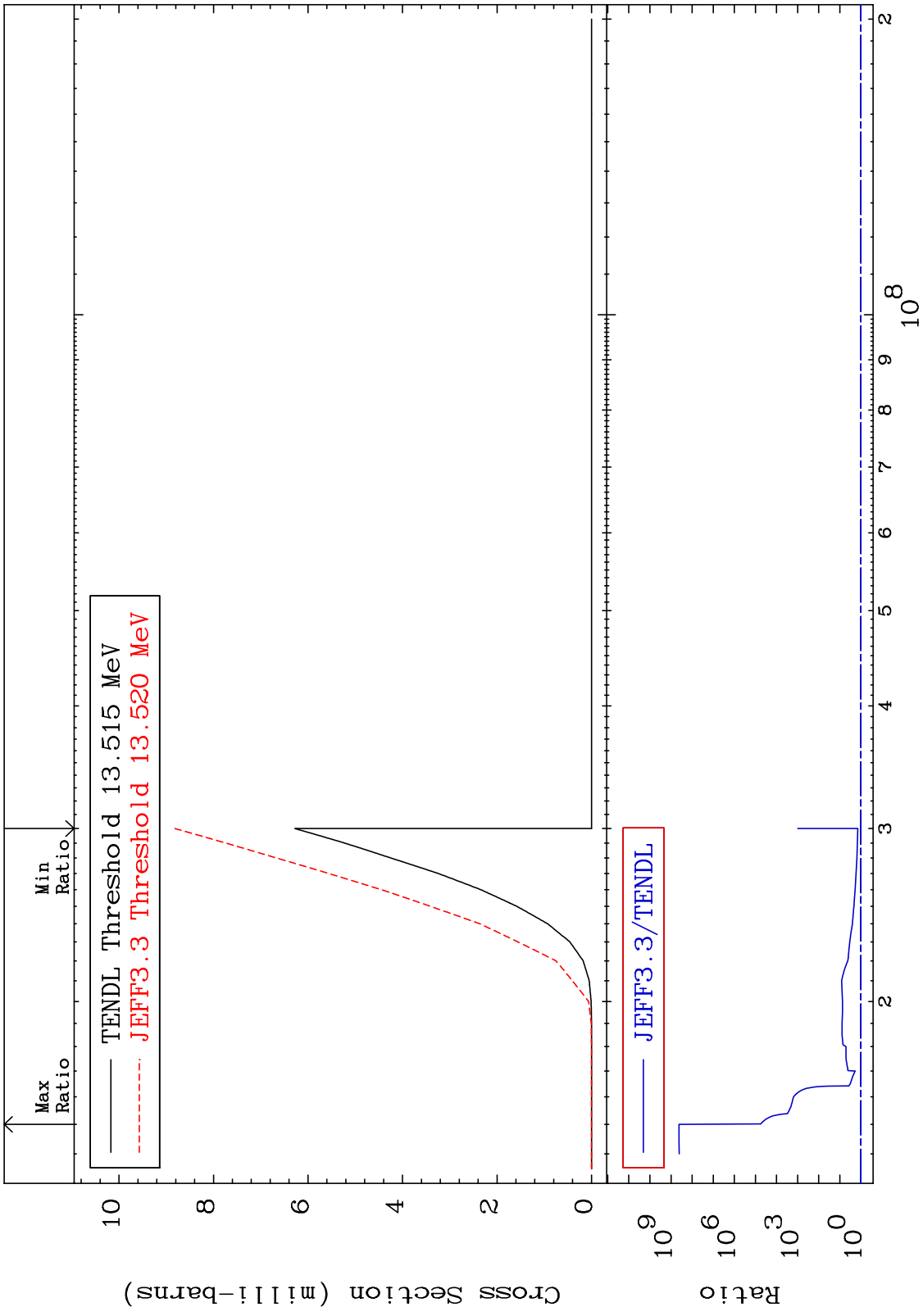
MAT 5325 (n,n') p 53-I -127
 Cross Section -81.51 To 9999. %



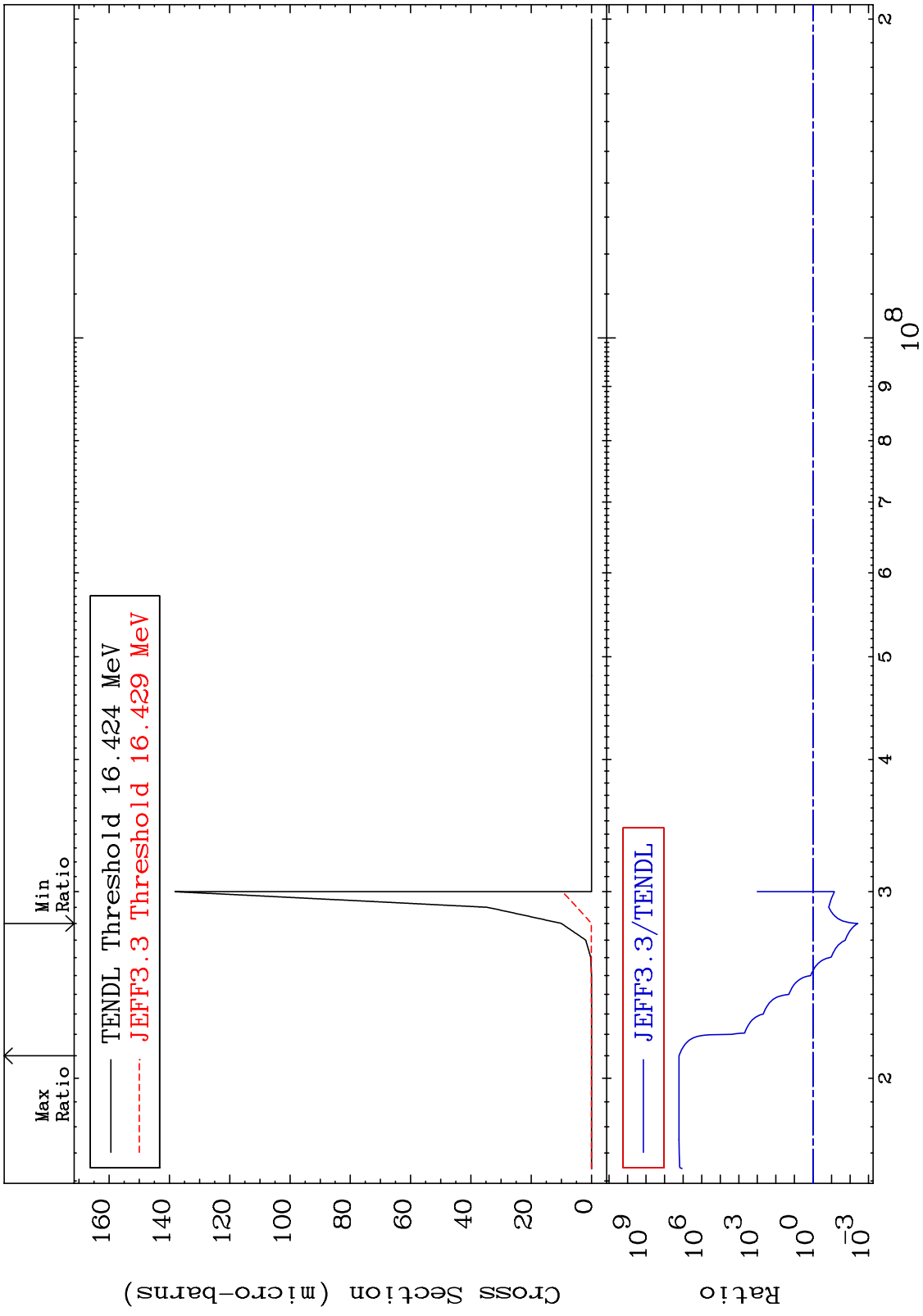
MAT 5325 (n,n') d 53-I -127
 Cross Section 42.52 To 9999. %



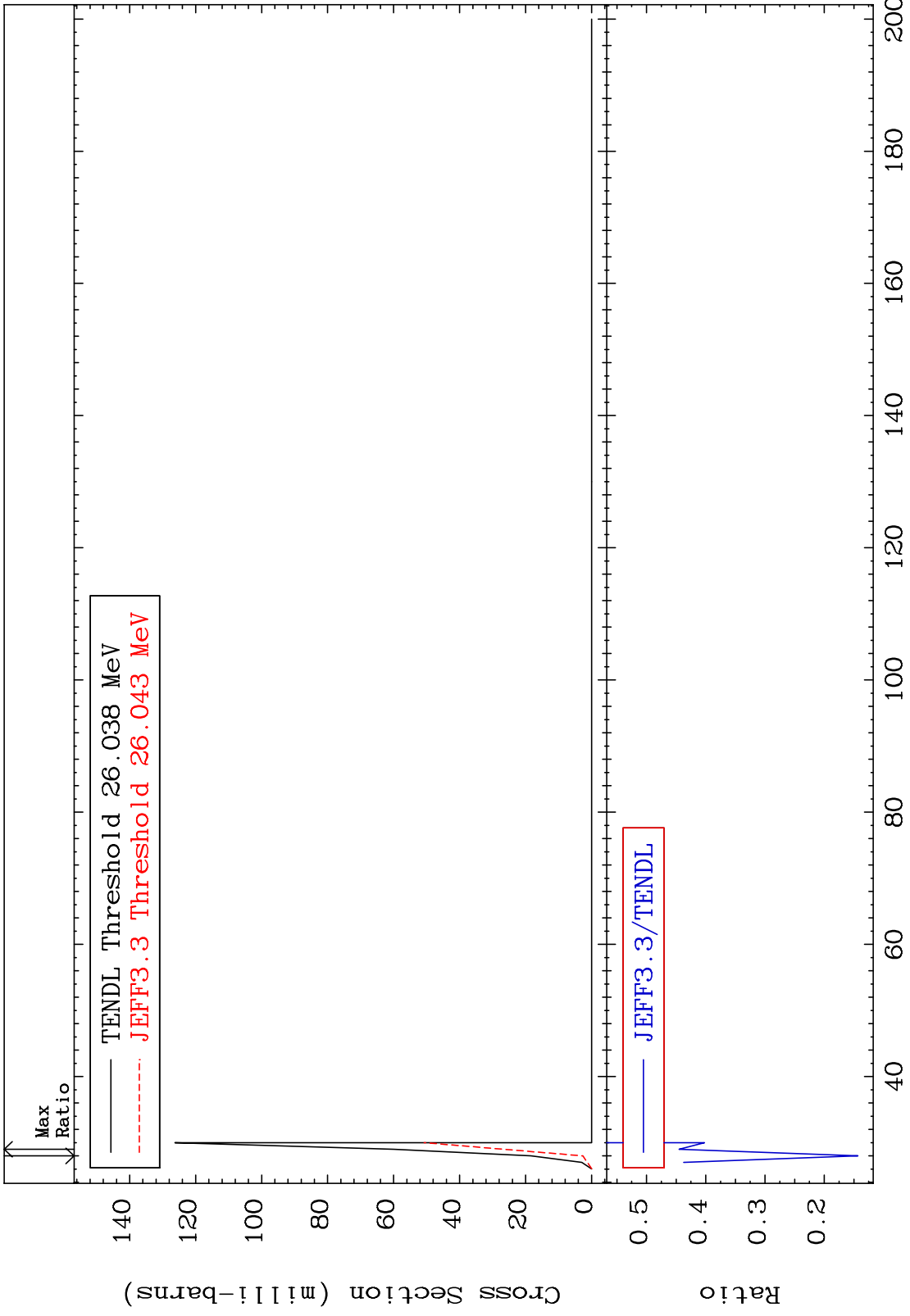
MAT 5325 (n,n') t 53-I -127
 Cross Section 40.50 To 9999. %



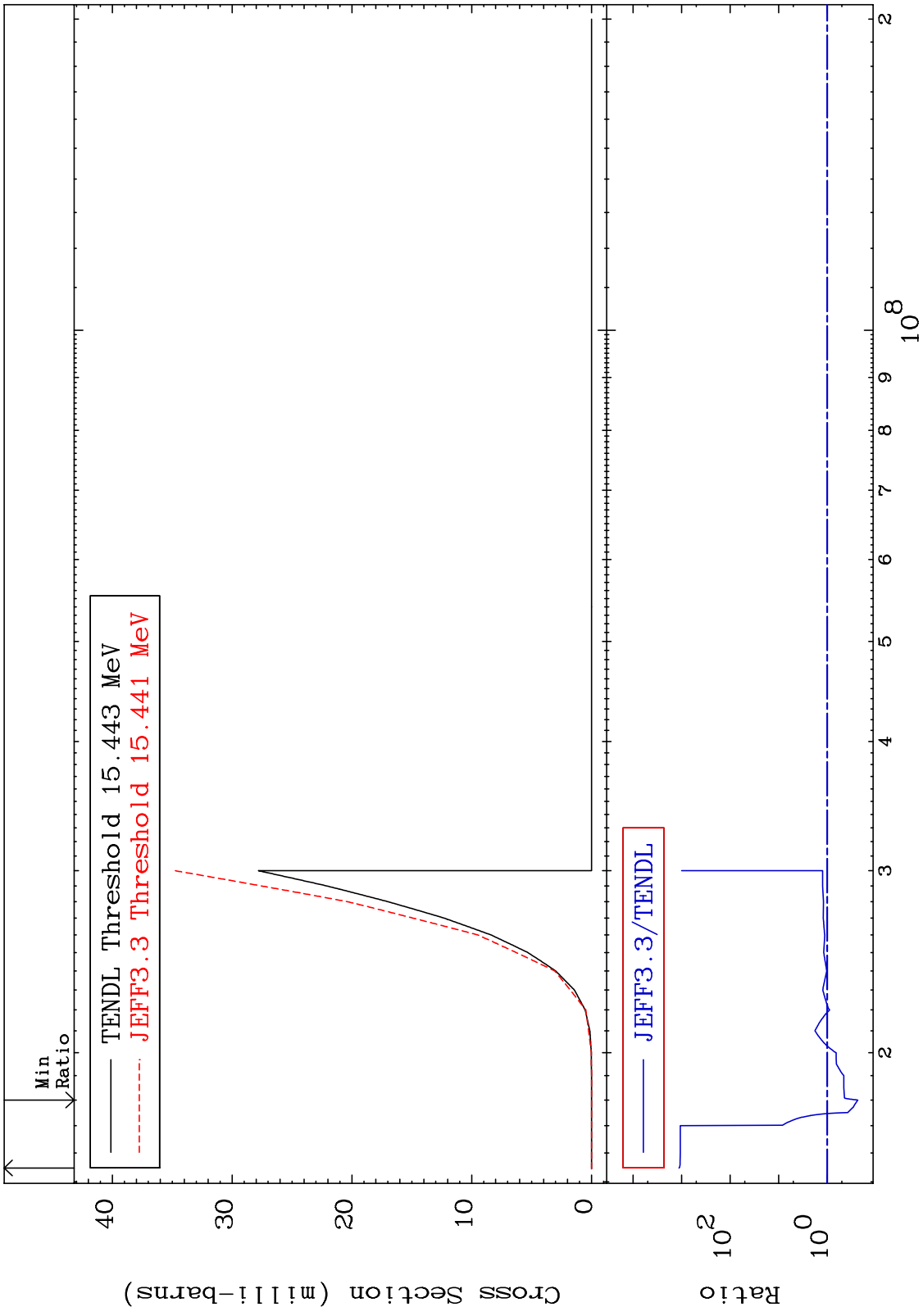
MAT 5325 (n, n') He-3 53-I -127
Cross Section -99.62 To 9999. %



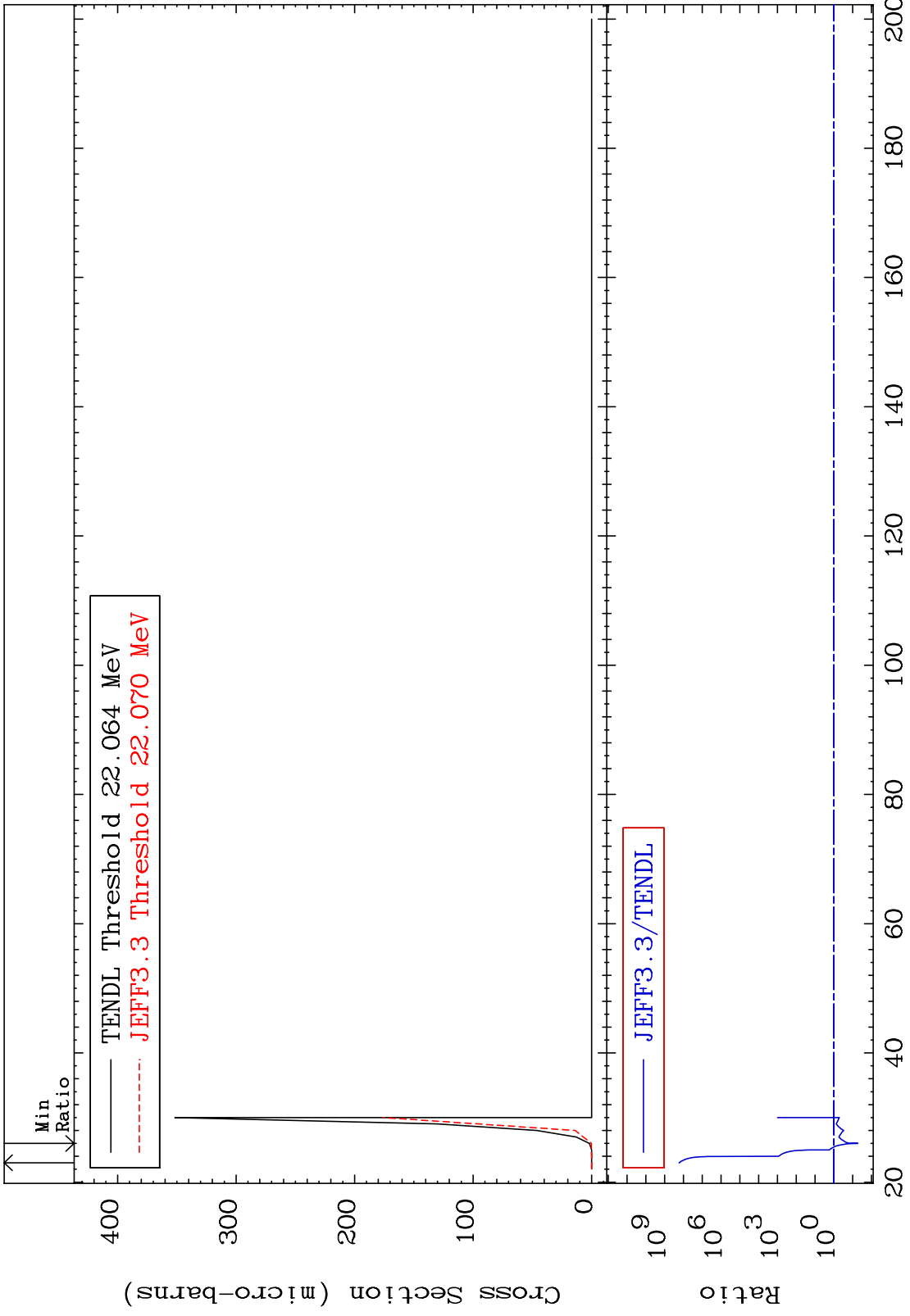
MAT 5325 (n,4n) Cross Section 53-I -127 -85.69 To -55.50%



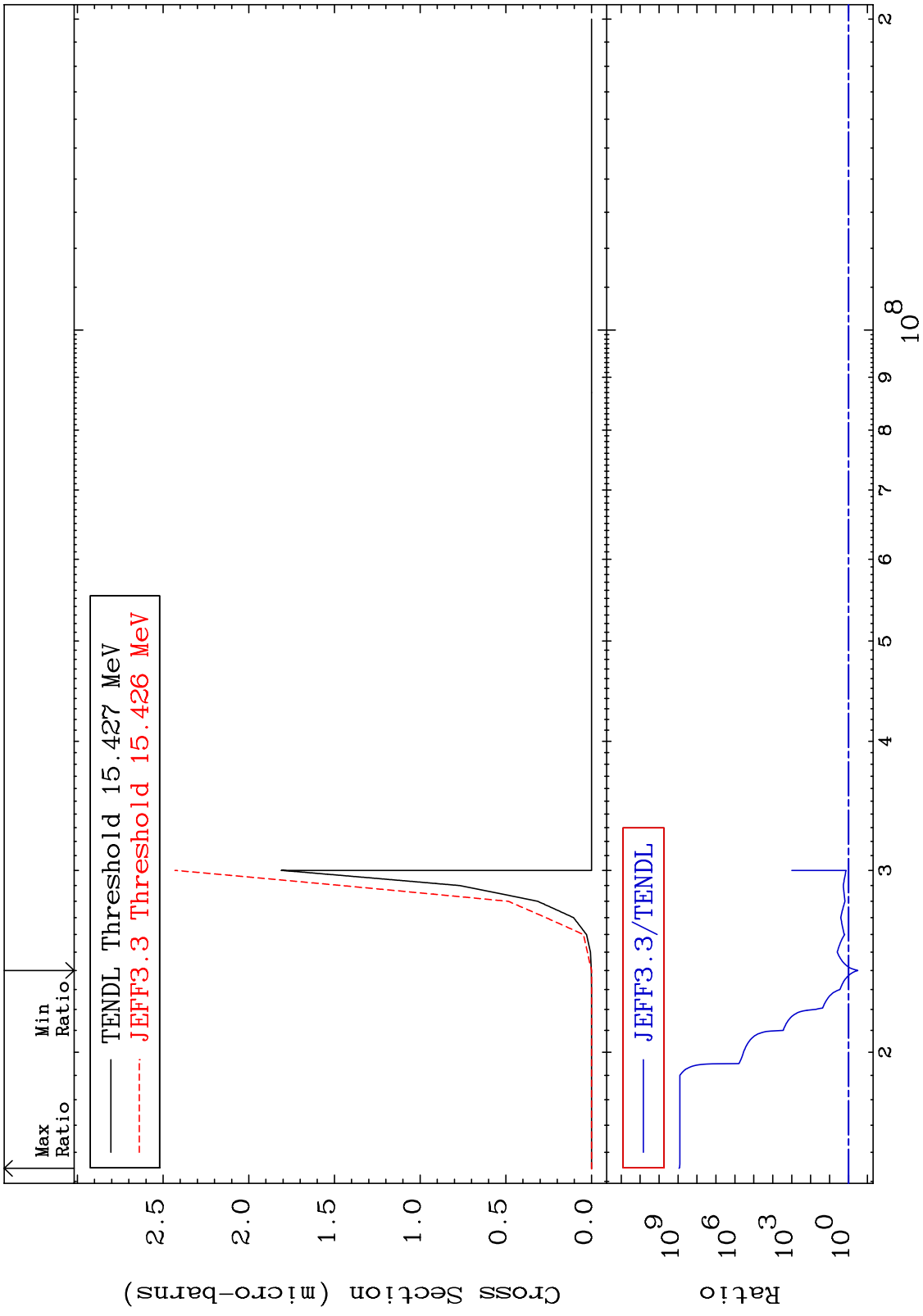
MAT 5325 (n,2n) p 53-I -127
 Cross Section -76.49 To 9999. %



MAT 5325 (n,3n) p 53-I -127
Cross Section -94.83 To 9999. %



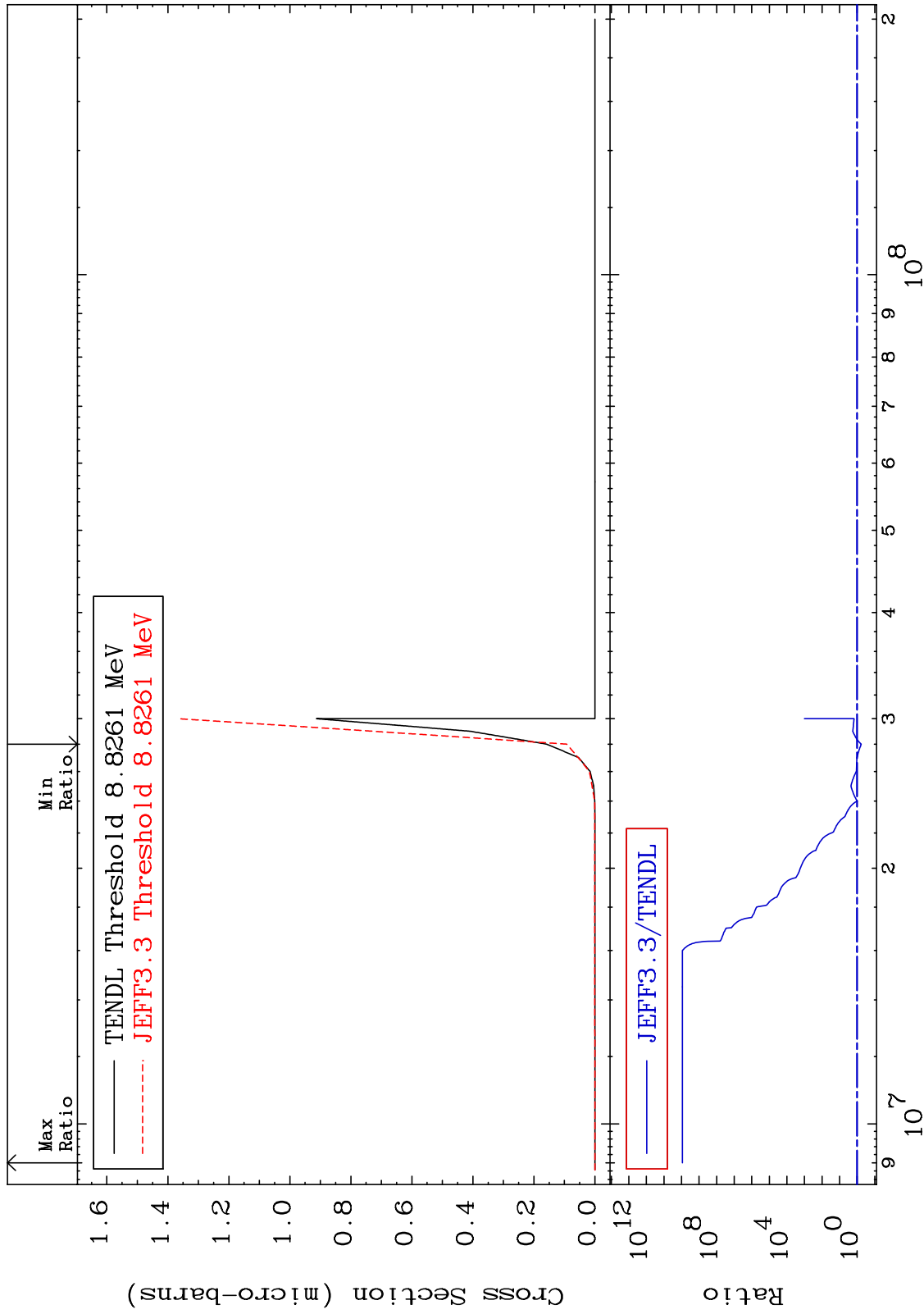
MAT 5325 (n,2n) p 53-I -127
 Cross Section -67.74 To 9999. %



MAT 5325

(n,n') p α
Cross Section

53-I -127
-41.67 To 9999. %

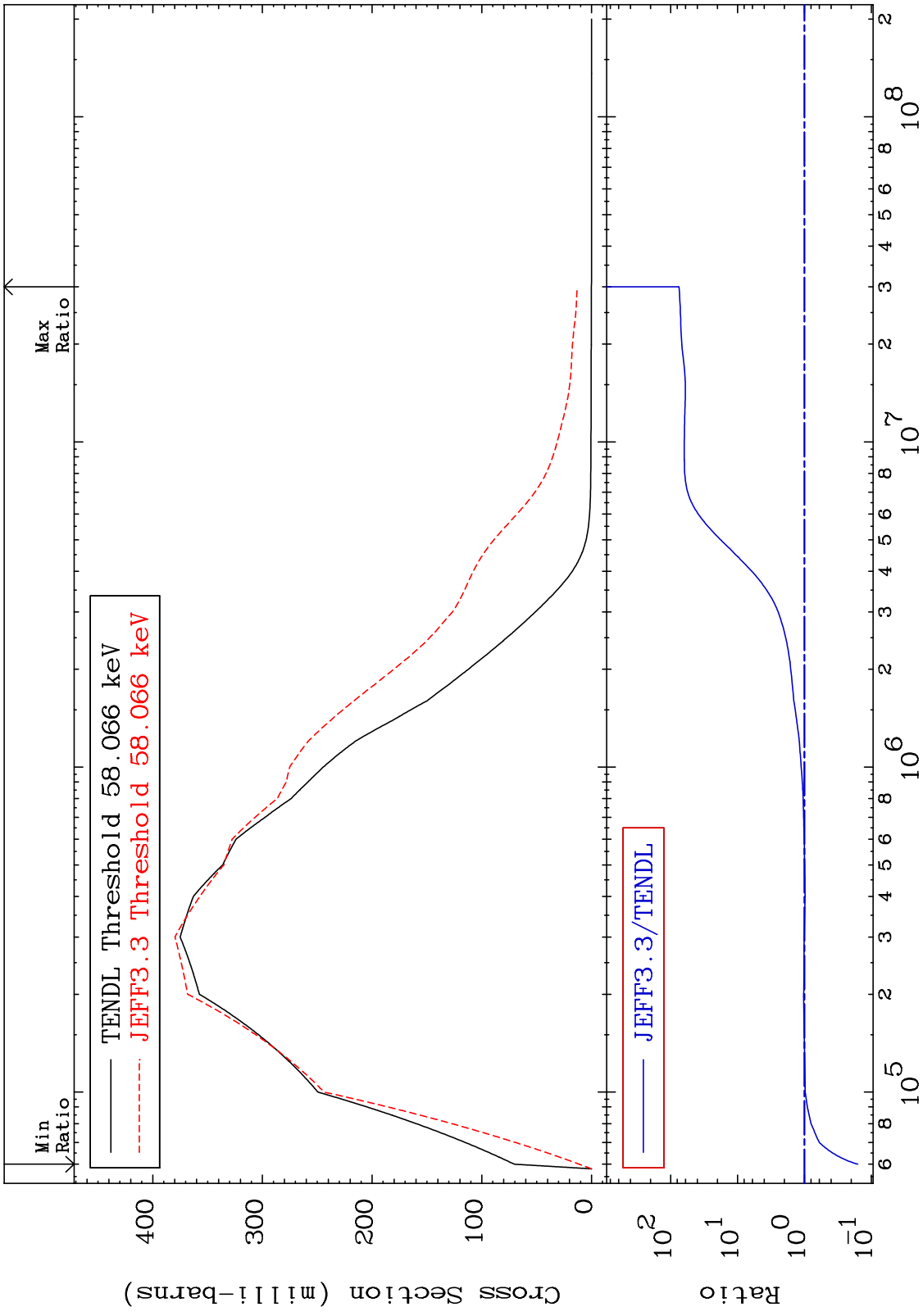


18

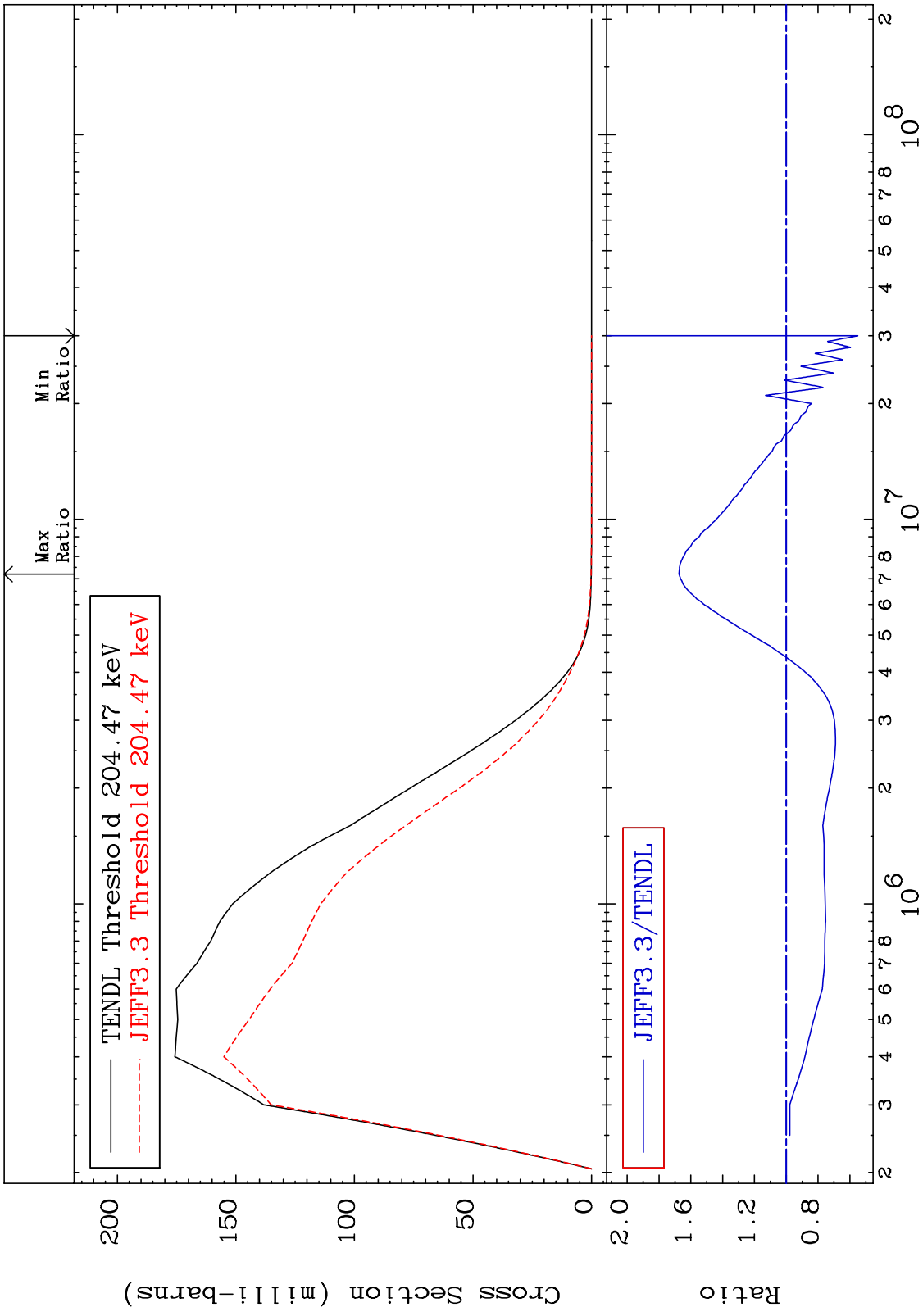
Incident Energy (eV)

53-I -127

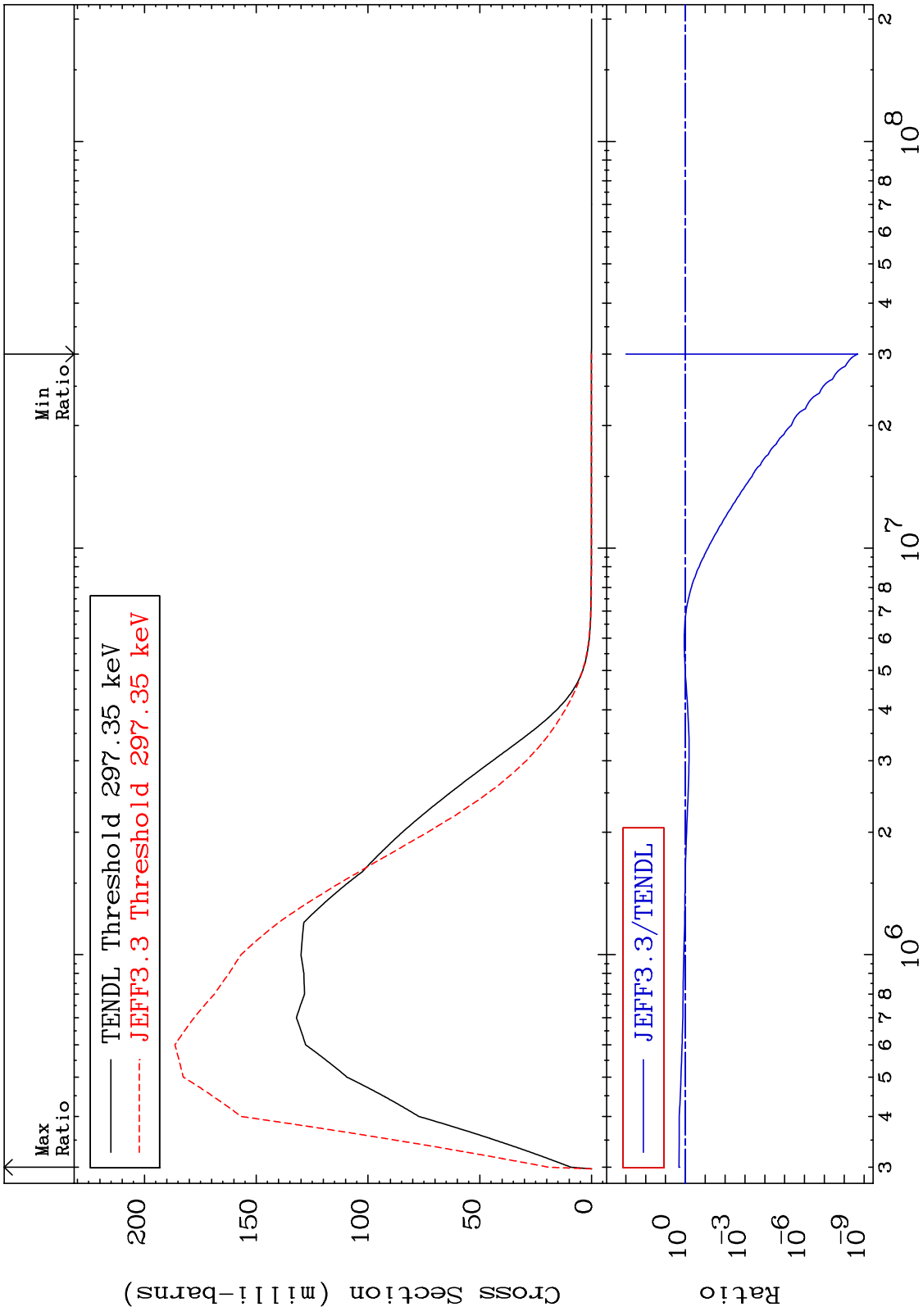
MAT 5325 MT= 51 (n,n') Level Cross Section 53-I -127
 -84.03 To 7402. %



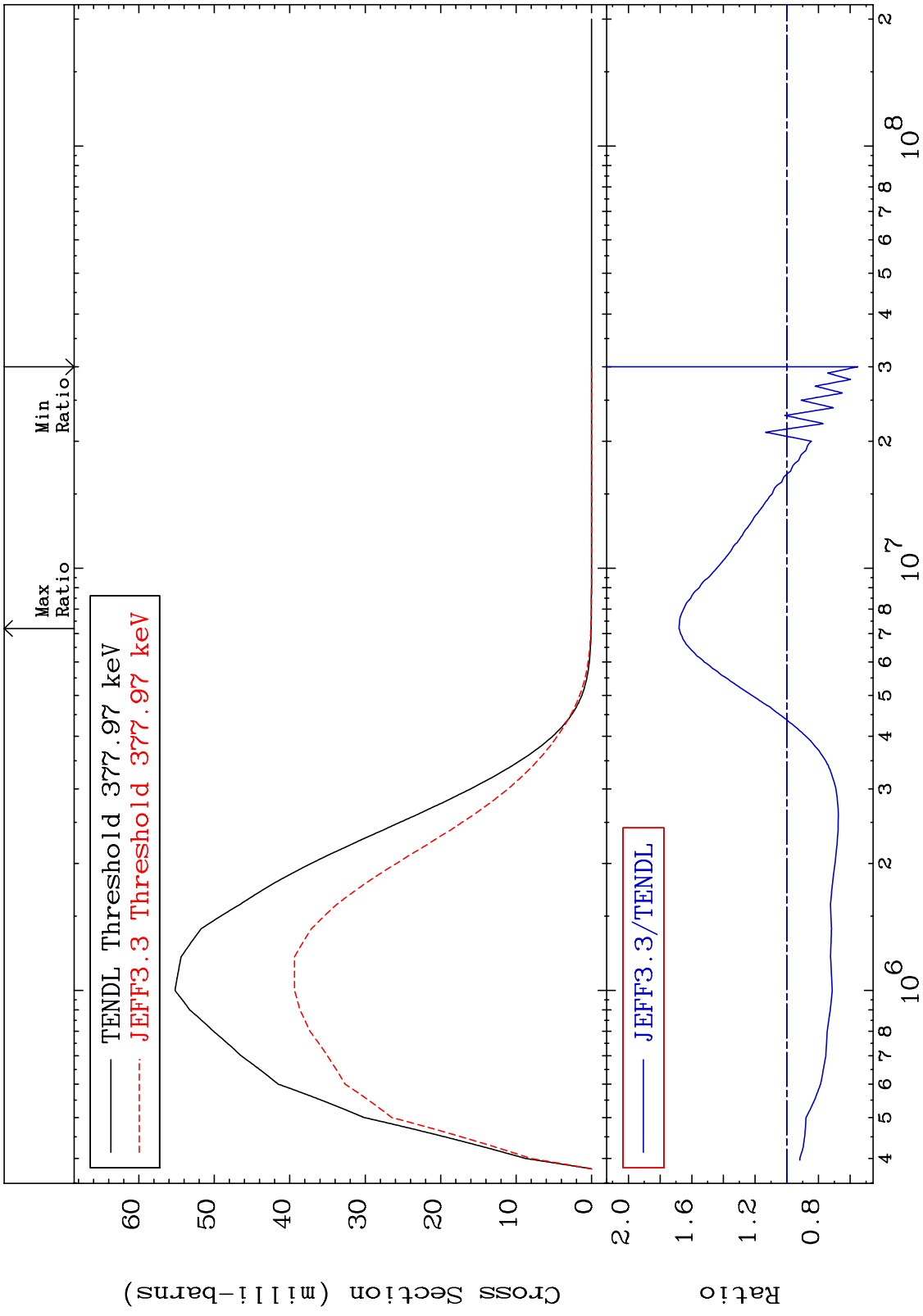
MAT 5325 MT= 52 (n,n') Level Cross Section 53-I -127
 -45.00 To 67.44 %



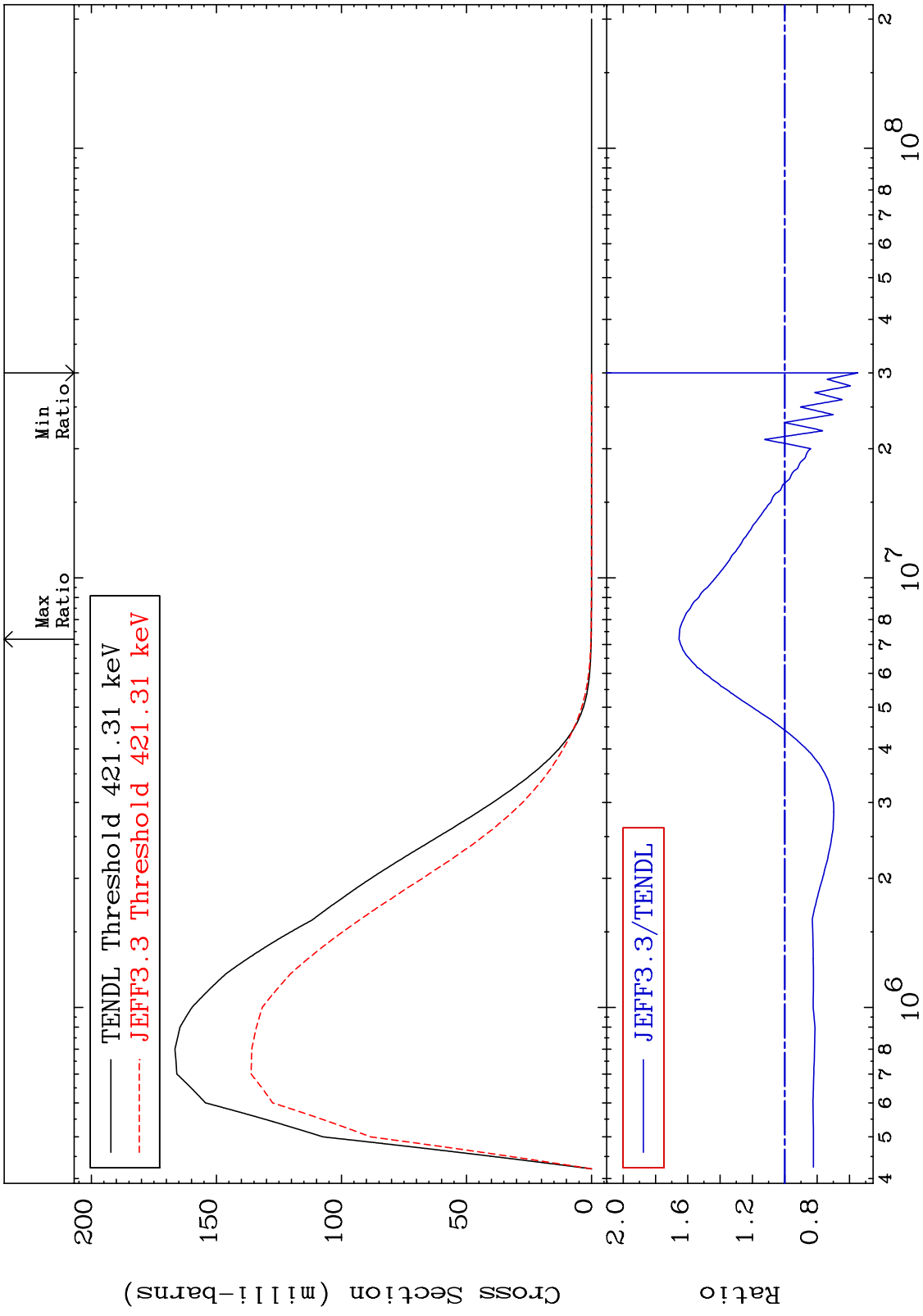
MAT 5325 MT= 53 (n,n') Level Cross Section 53-I -127 -100.0 To 108.5 %



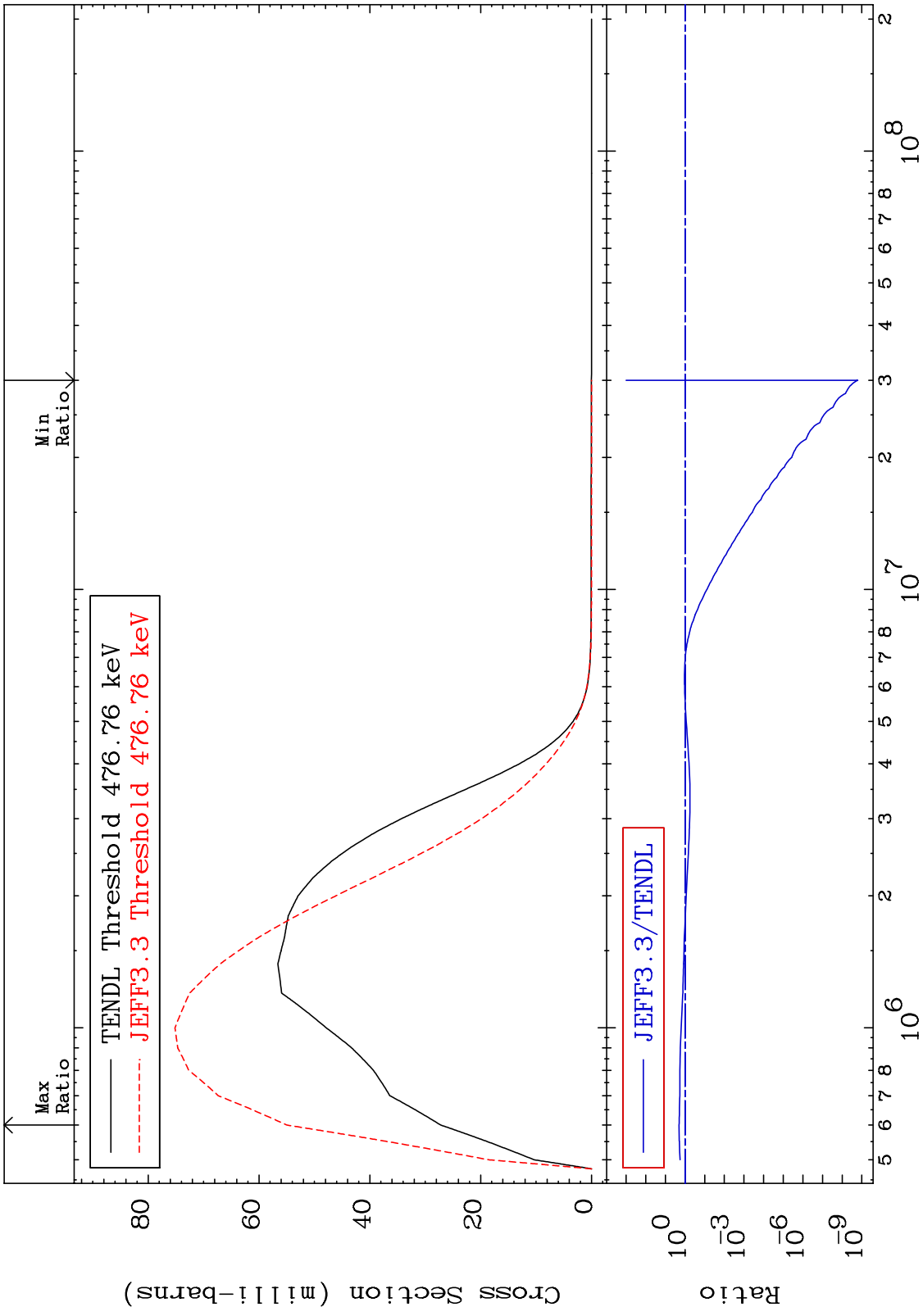
MAT 5325 MT= 54 (n,n') Level Cross Section 53-I -127
 -44.85 To 68.04 %



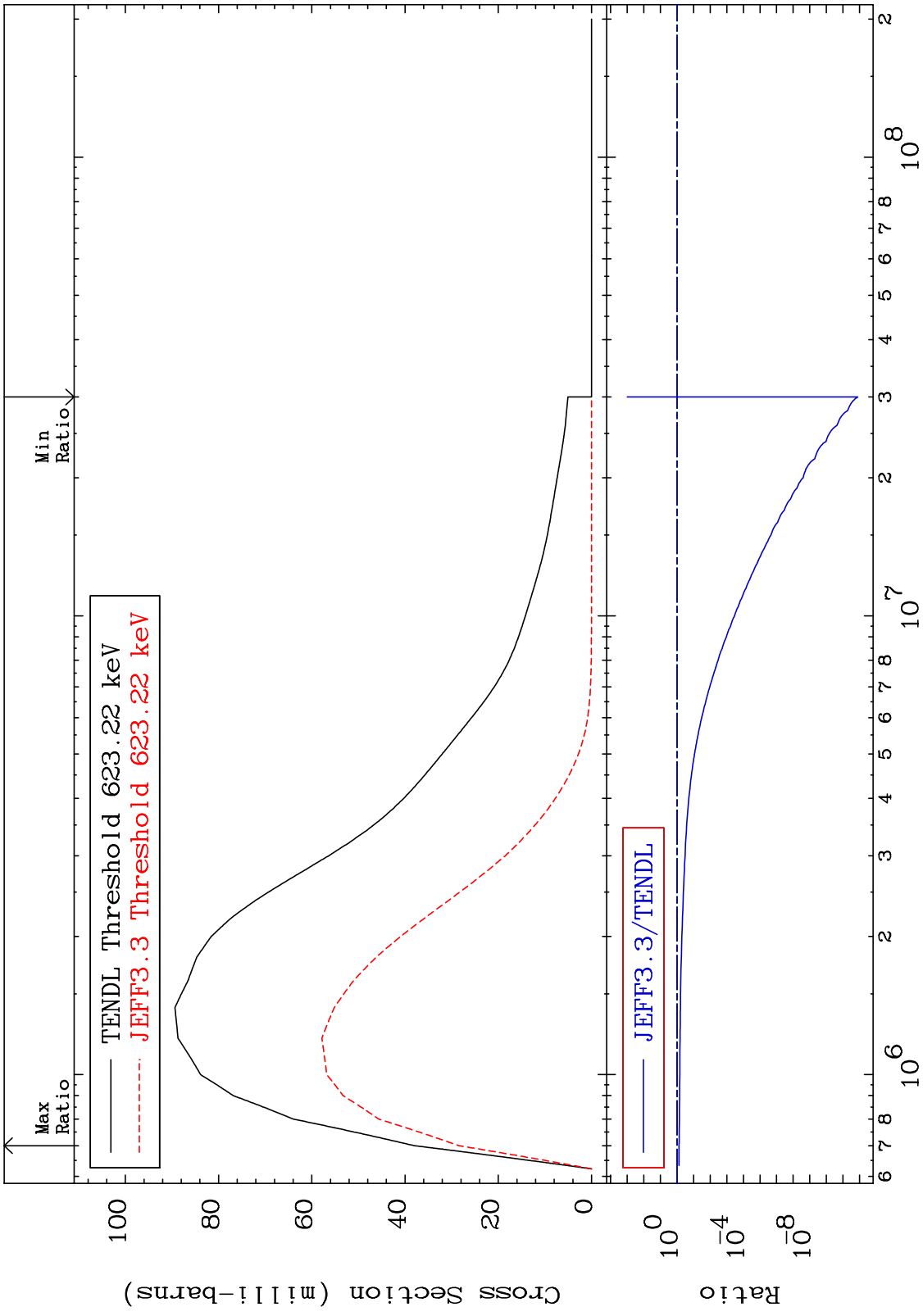
MAT 5325 MT= 55 (n,n') Level 53-I -127
 Cross Section -45.18 To 65.43 %



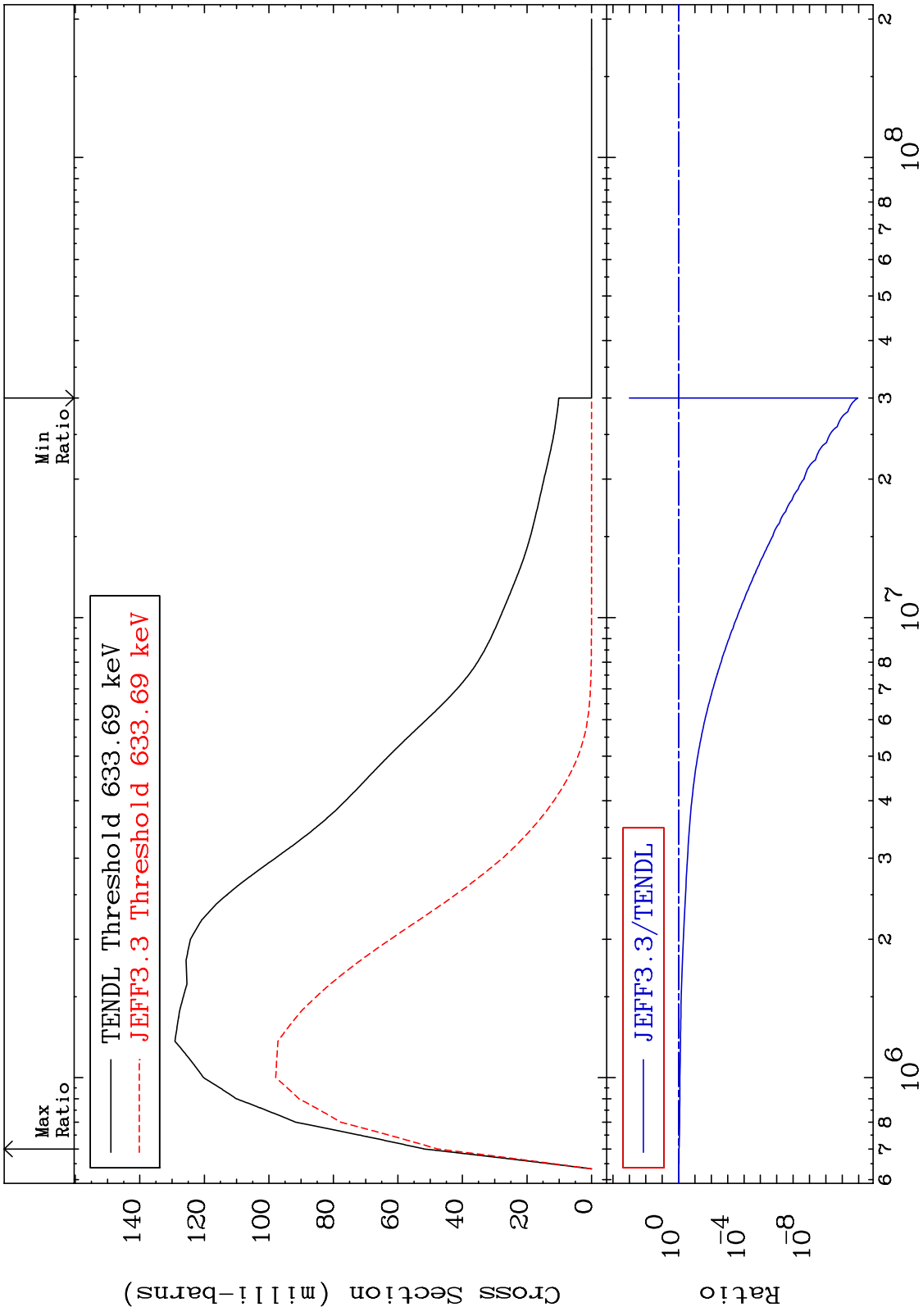
MAT 5325 MT= 56 (n,n') Level Cross Section 53-I -127
 -100.0 To 102.1 %



MAT 5325 MT= 57 (n,n') Level Cross Section 53-I -127
 -100.0 To -25.16%



MAT 5325 MT= 58 (n,n') Level Cross Section 53-I -127
 -100.0 To -8.016%

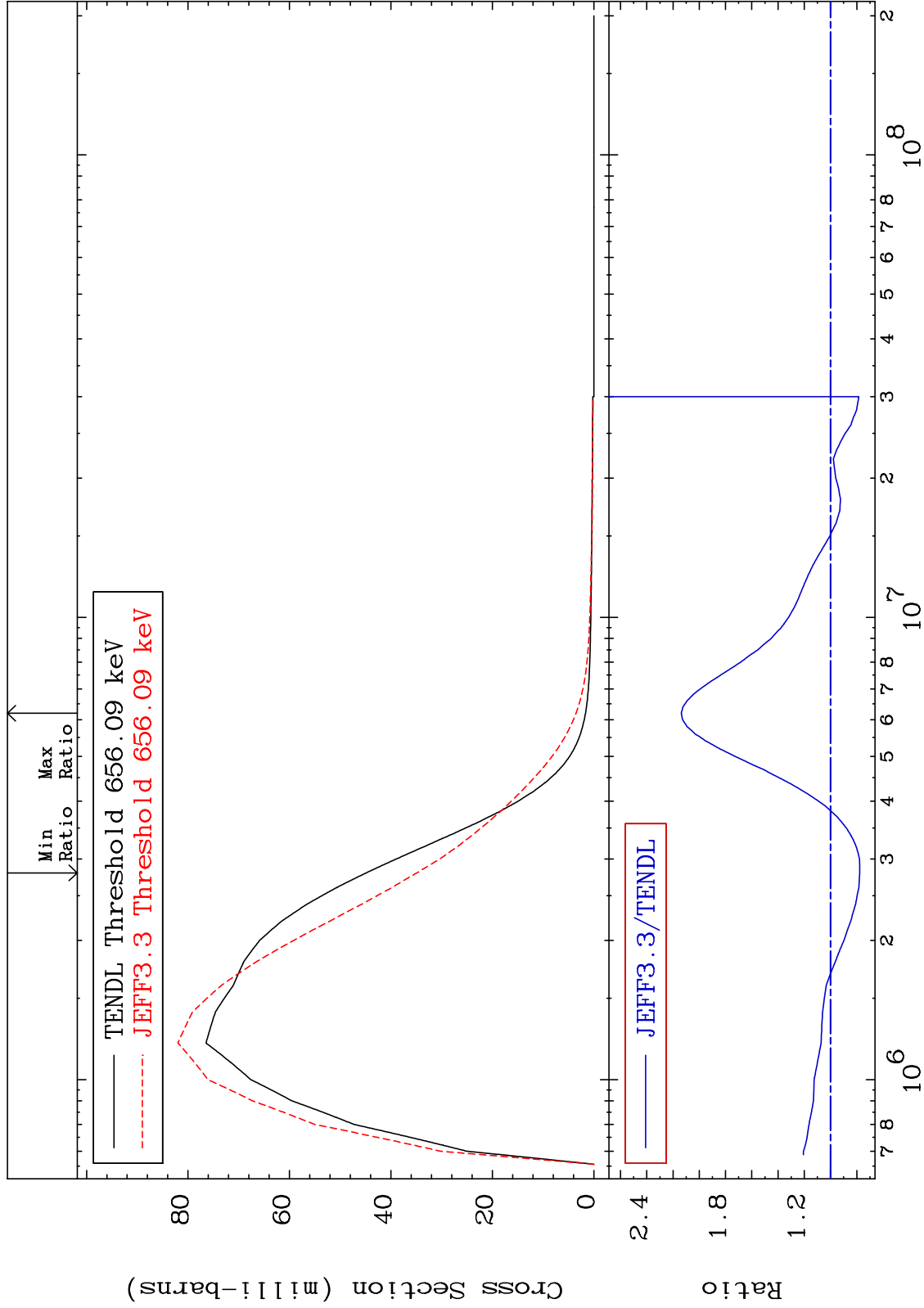


26 53-I -127

MAT 5325

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

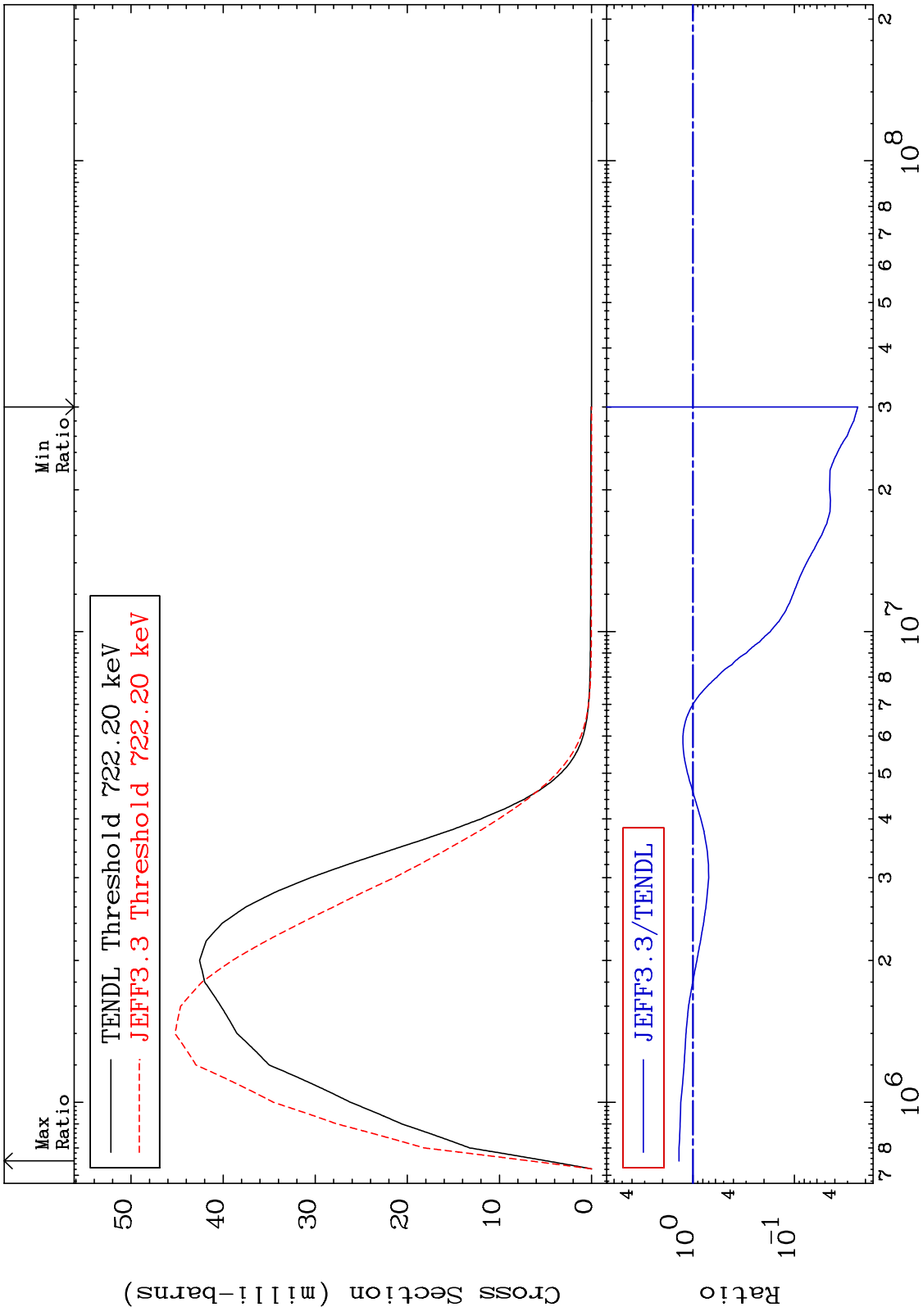
53-I -127
-22.27 To 113.7 %



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53-I -127

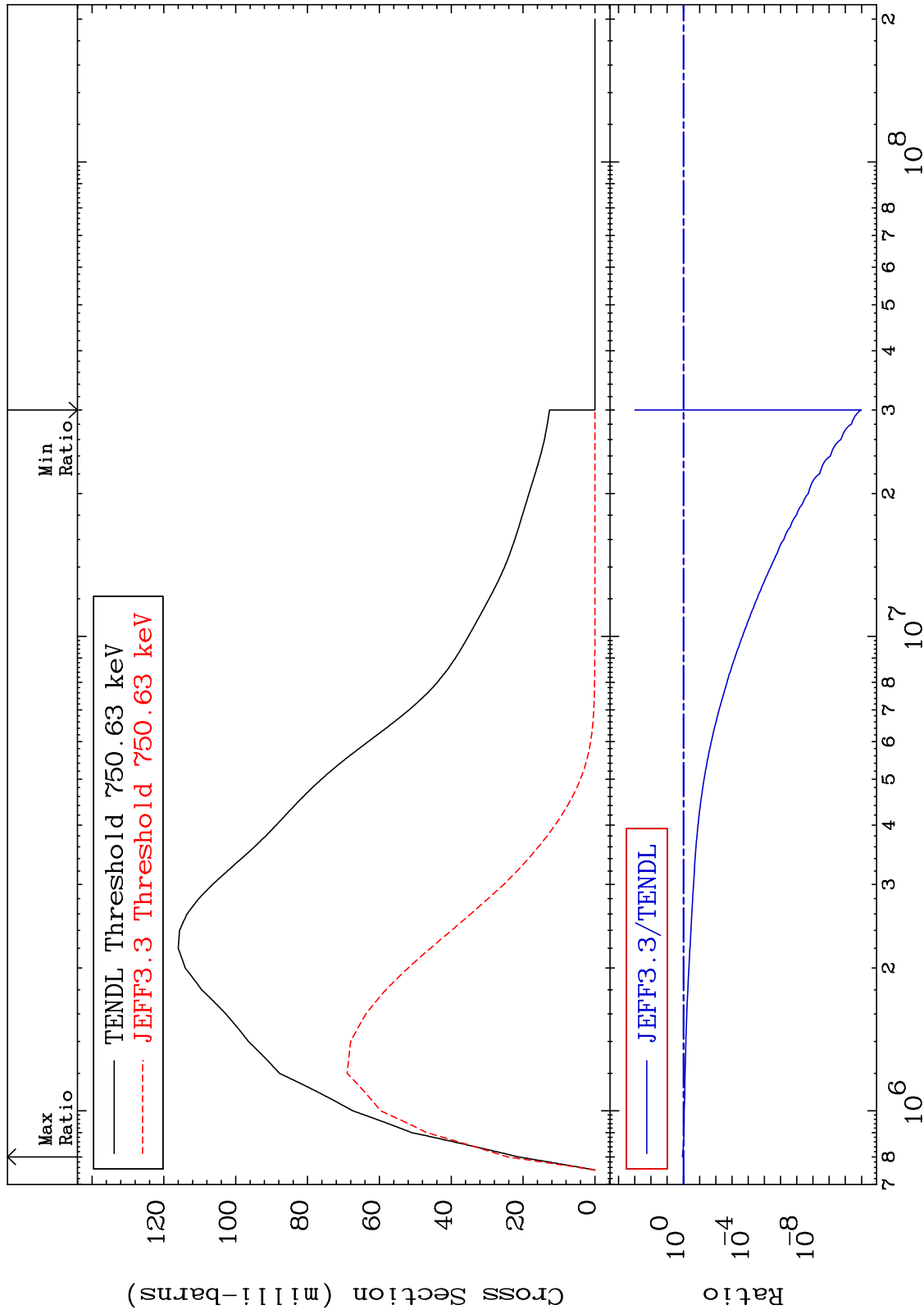
MAT 5325 MT= 60 (n,n') Level Cross Section 53-I -127
 -97.63 To 37.45 %



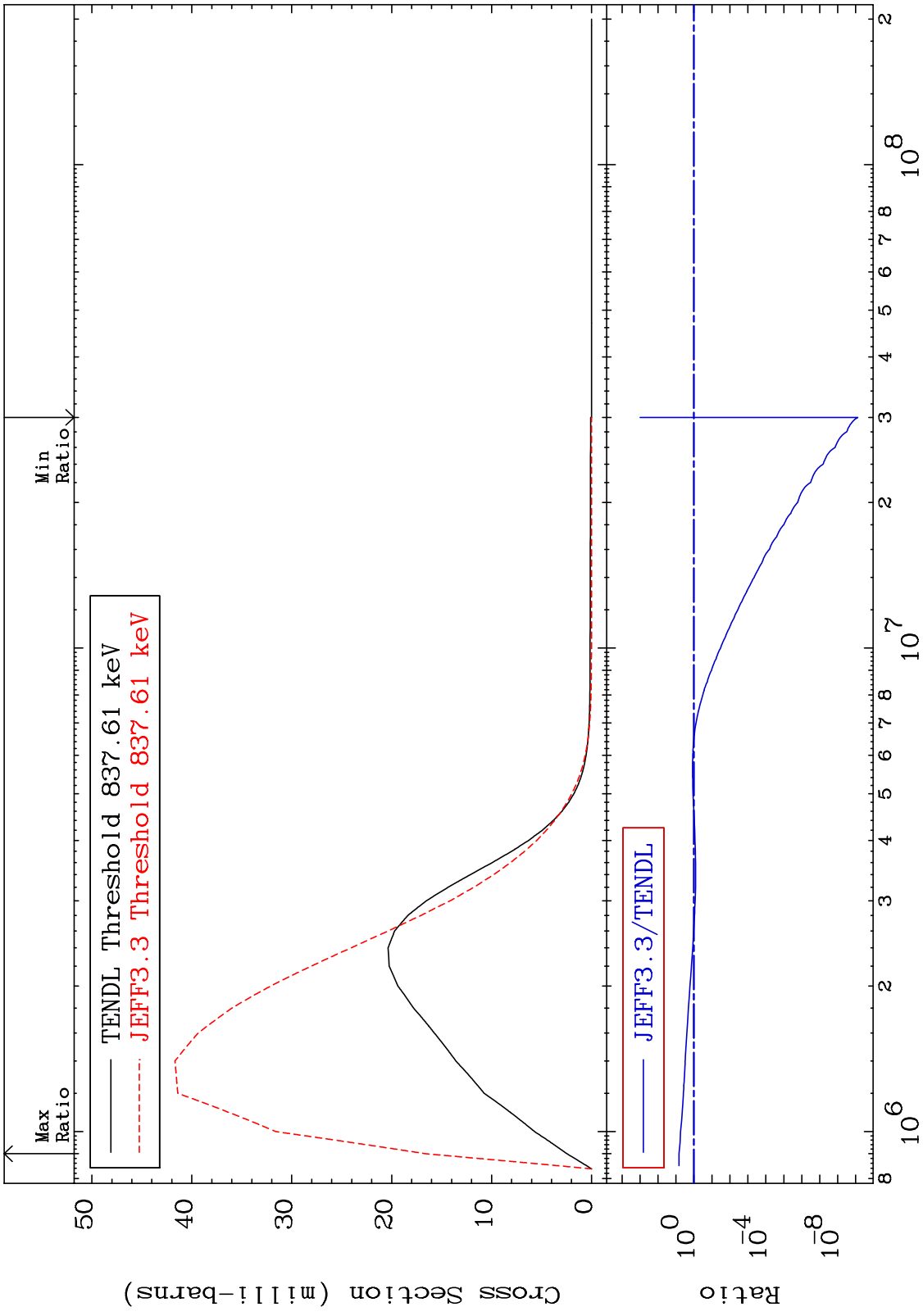
MAT 5325

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

53-I -127
-100.0 To 14.13 %

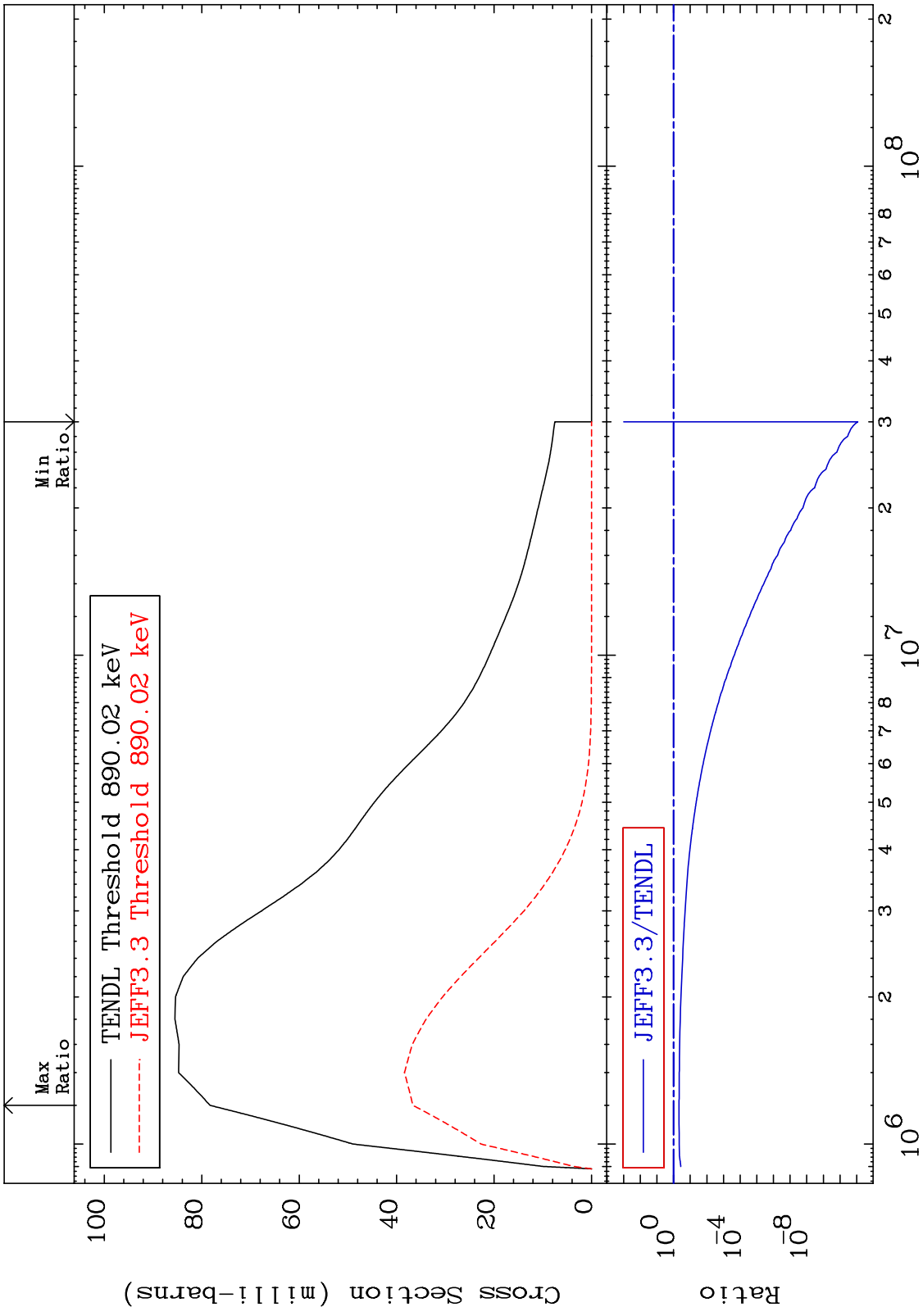


MAT 5325 MT= 62 (n,n') Level Cross Section 53-I -127
 -100.0 To 574.8 %

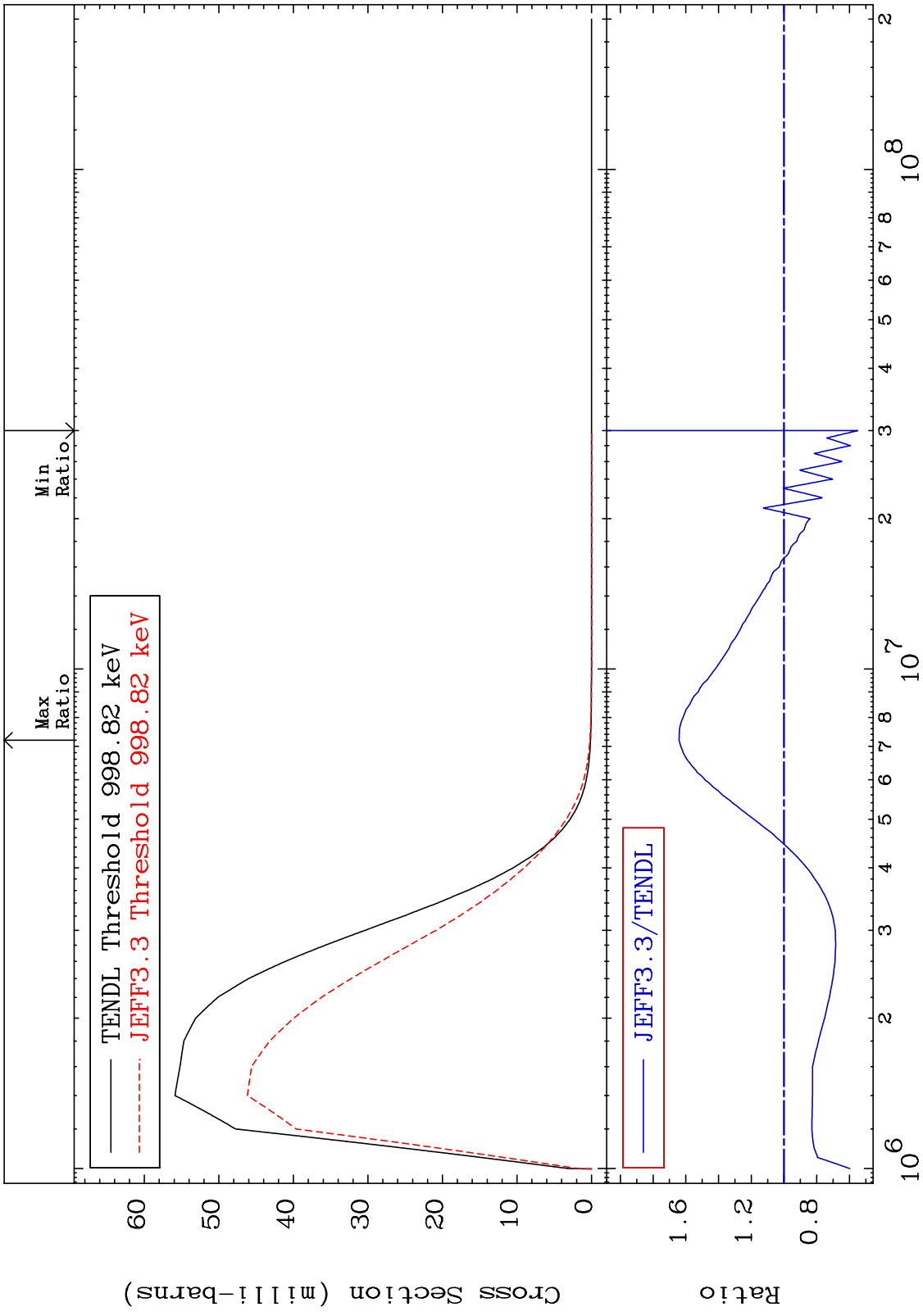


30 8 10⁶ 10⁷ 10⁸ 2 3 4 5 6 7 8 2 53-I -127

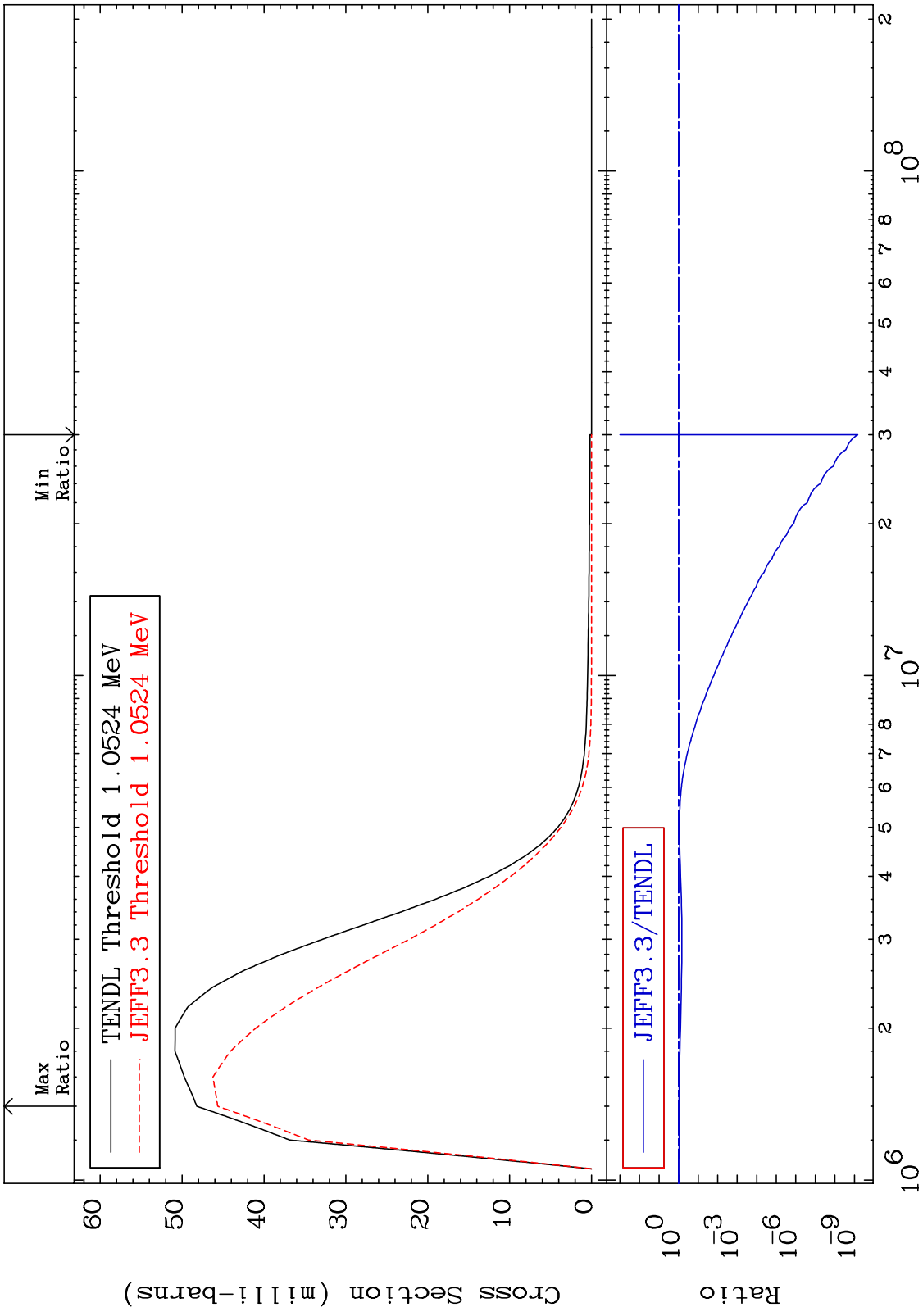
MAT 5325 MT= 63 (n,n') Level Cross Section 53-I -127
 -100.0 To -53.17%



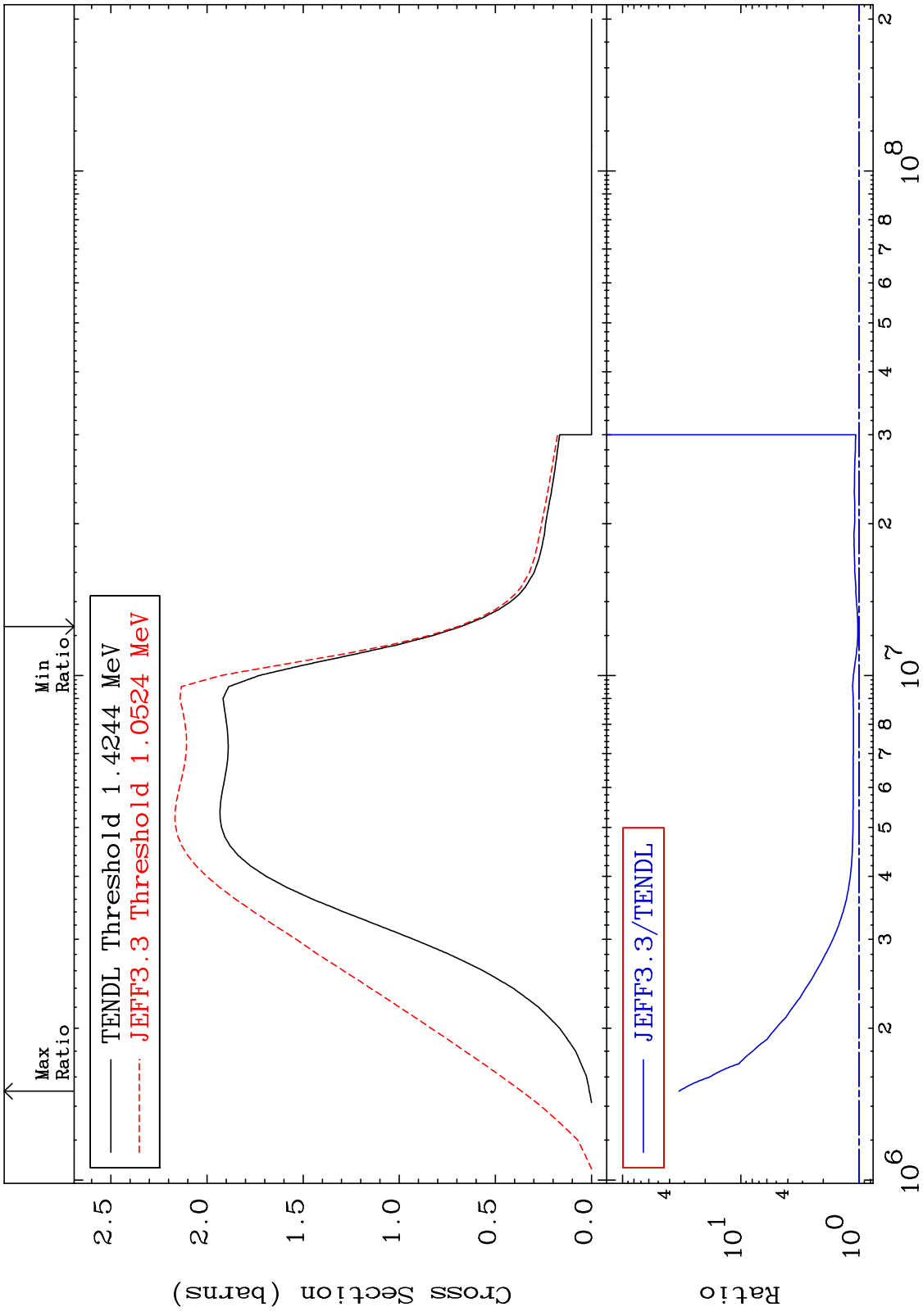
MAT 5325 MT= 64 (n,n') Level Cross Section 53-I -127
 -45.12 To 64.15 %



MAT 5325 MT= 65 (n,n') Level Cross Section 53-I -127
 -100.0 To -5.279%



MAT 5325 (n, n') Continuum Cross Section 53-I -127 To 3227. %



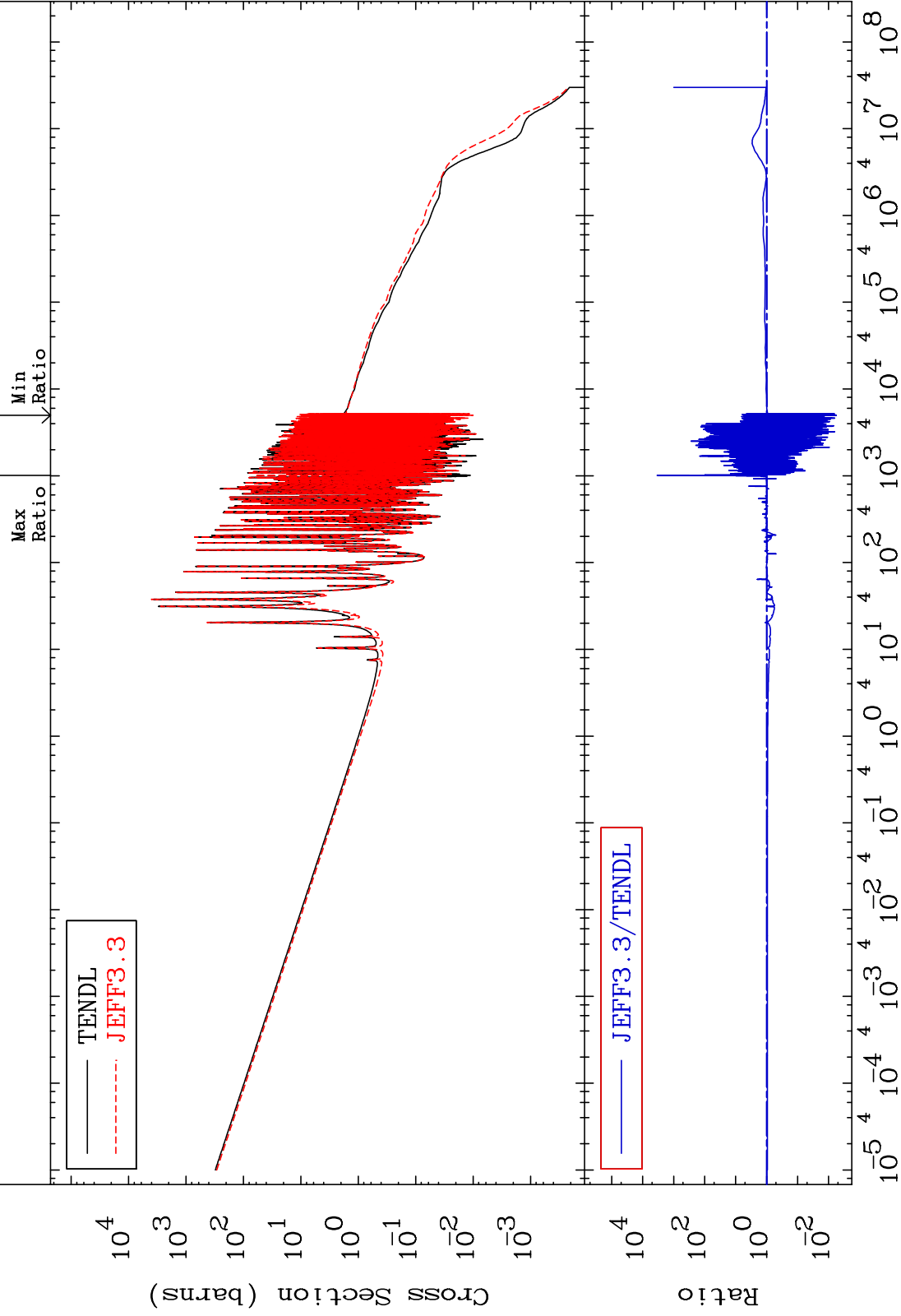
MAT 5325

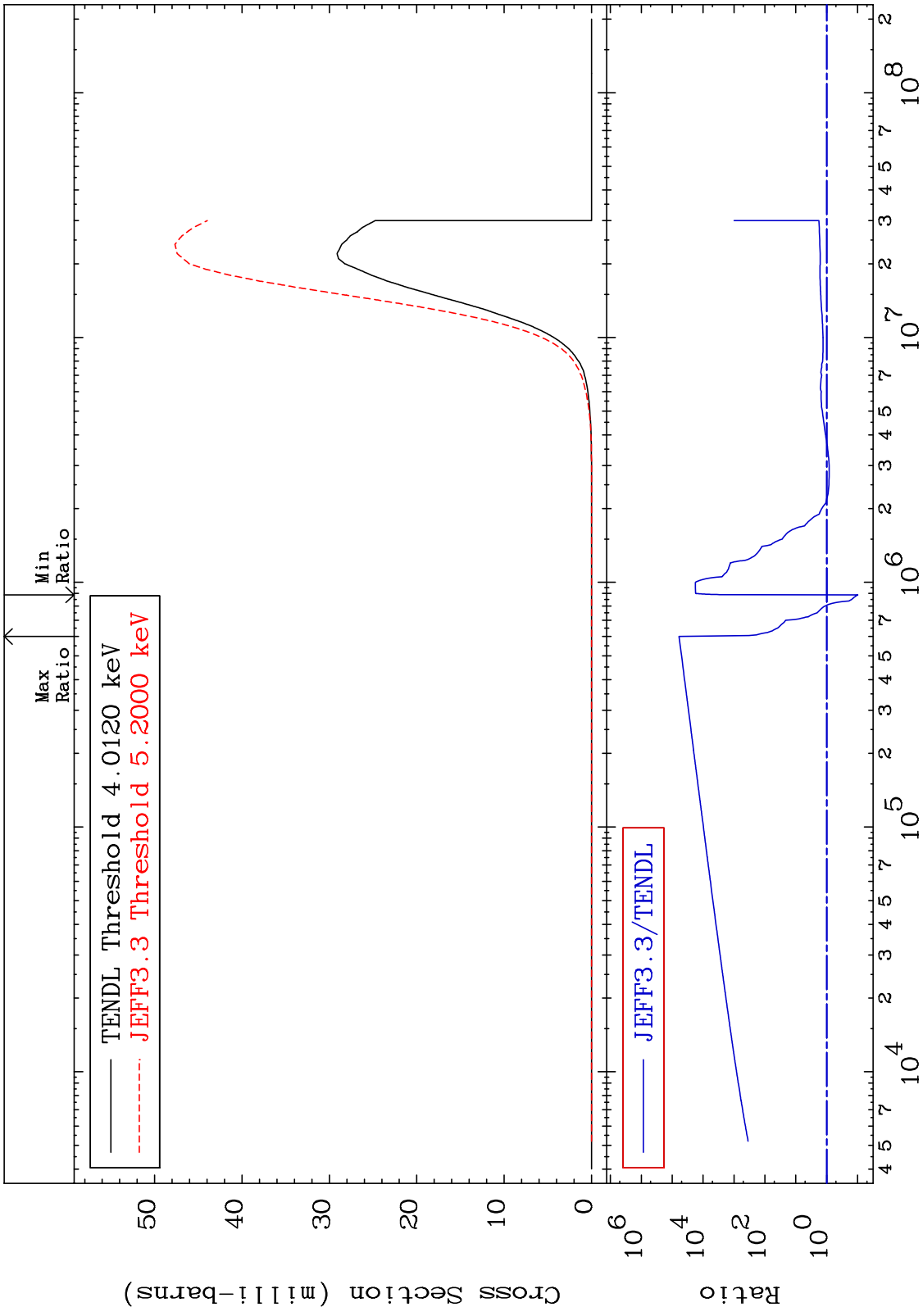
(n, γ)

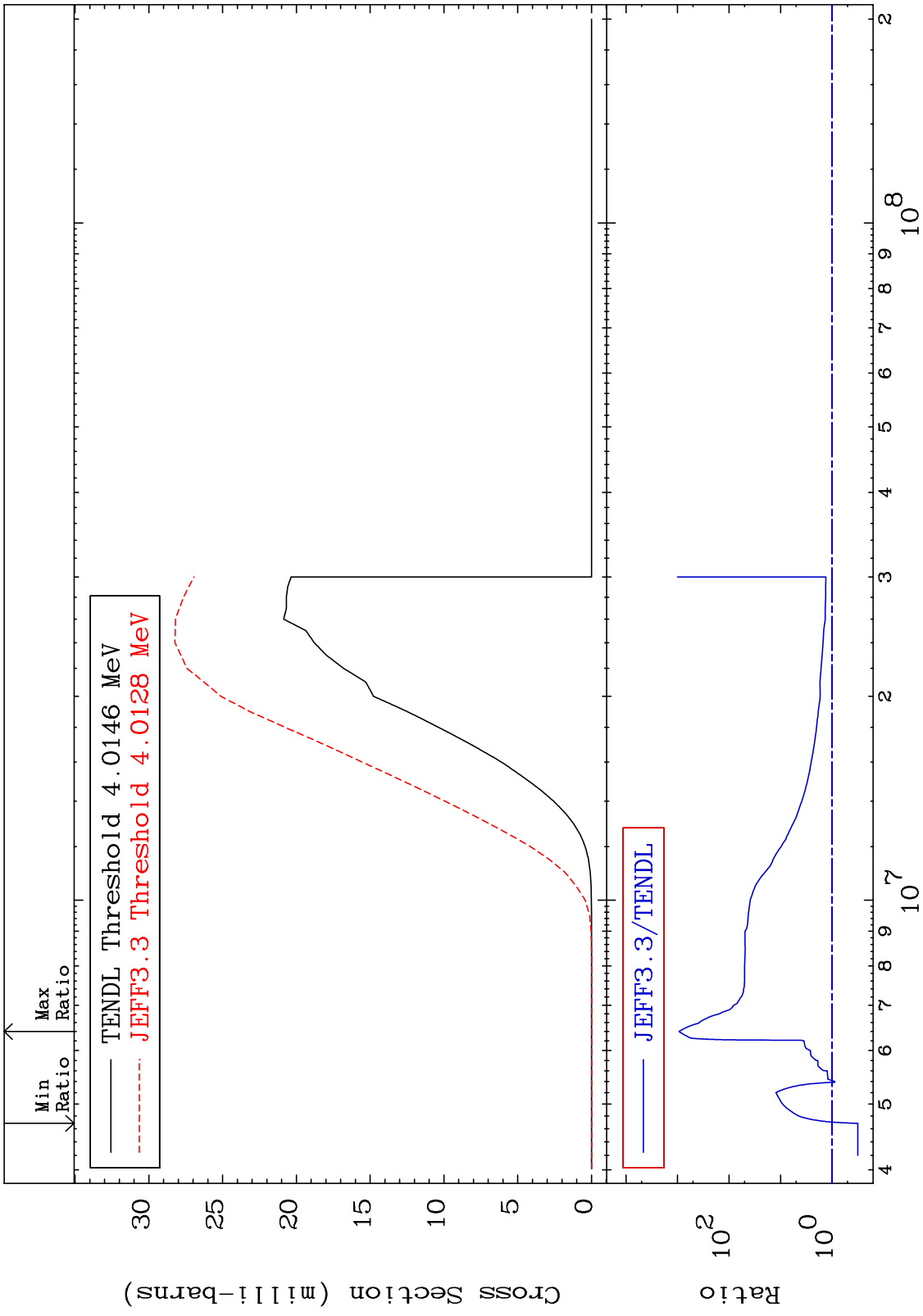
53-I -127

-99.44 To 9999. %

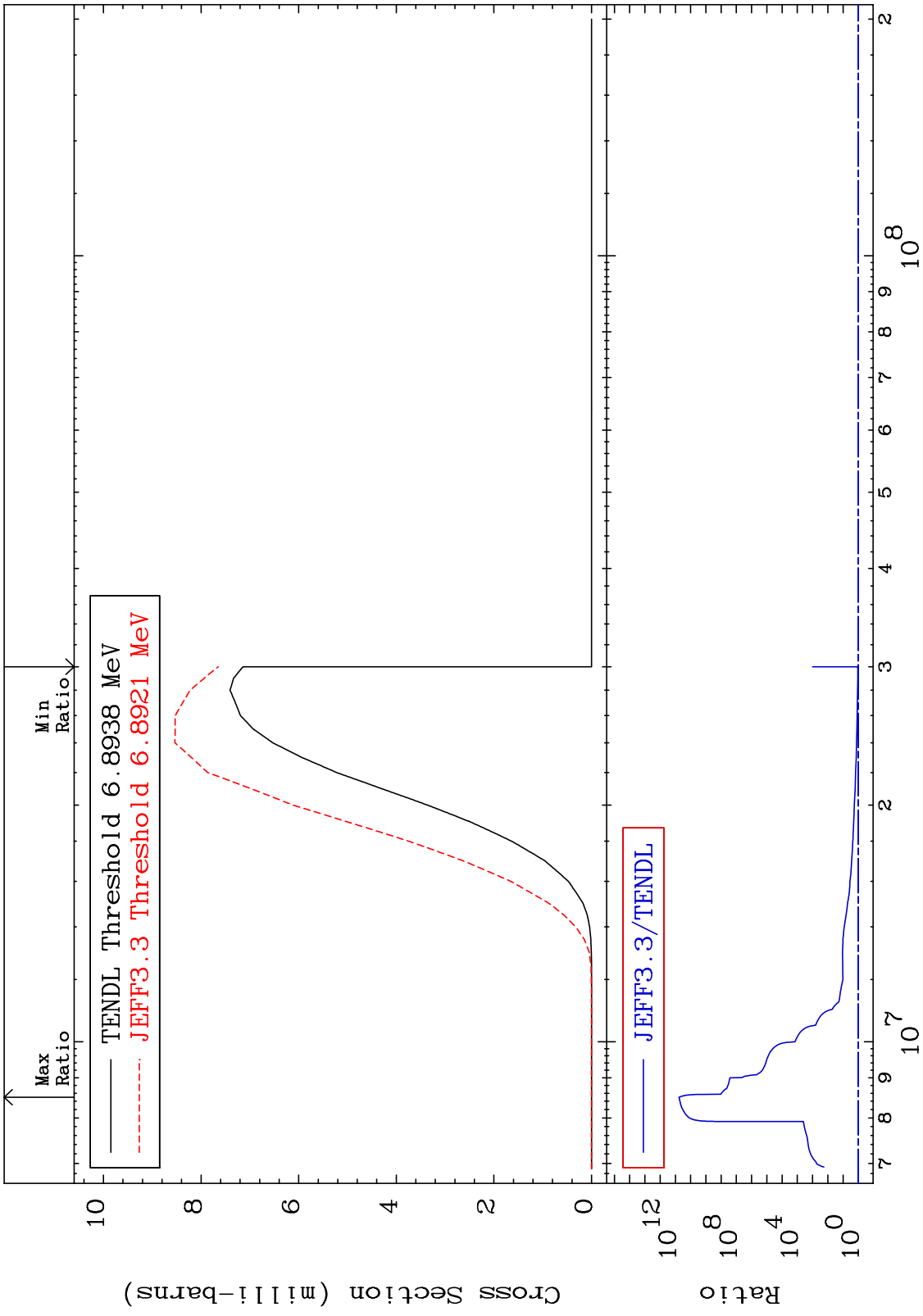
Cross Section

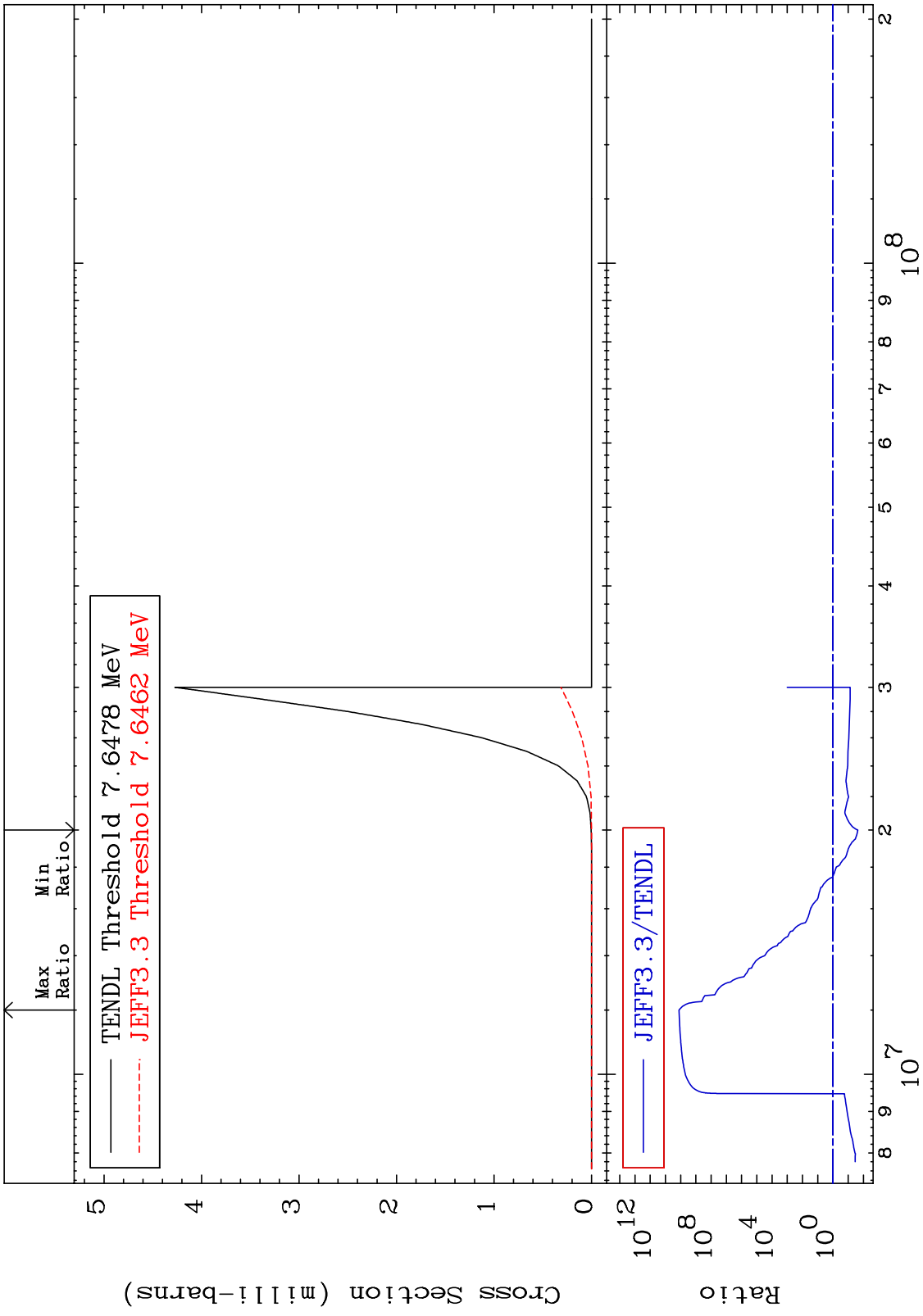




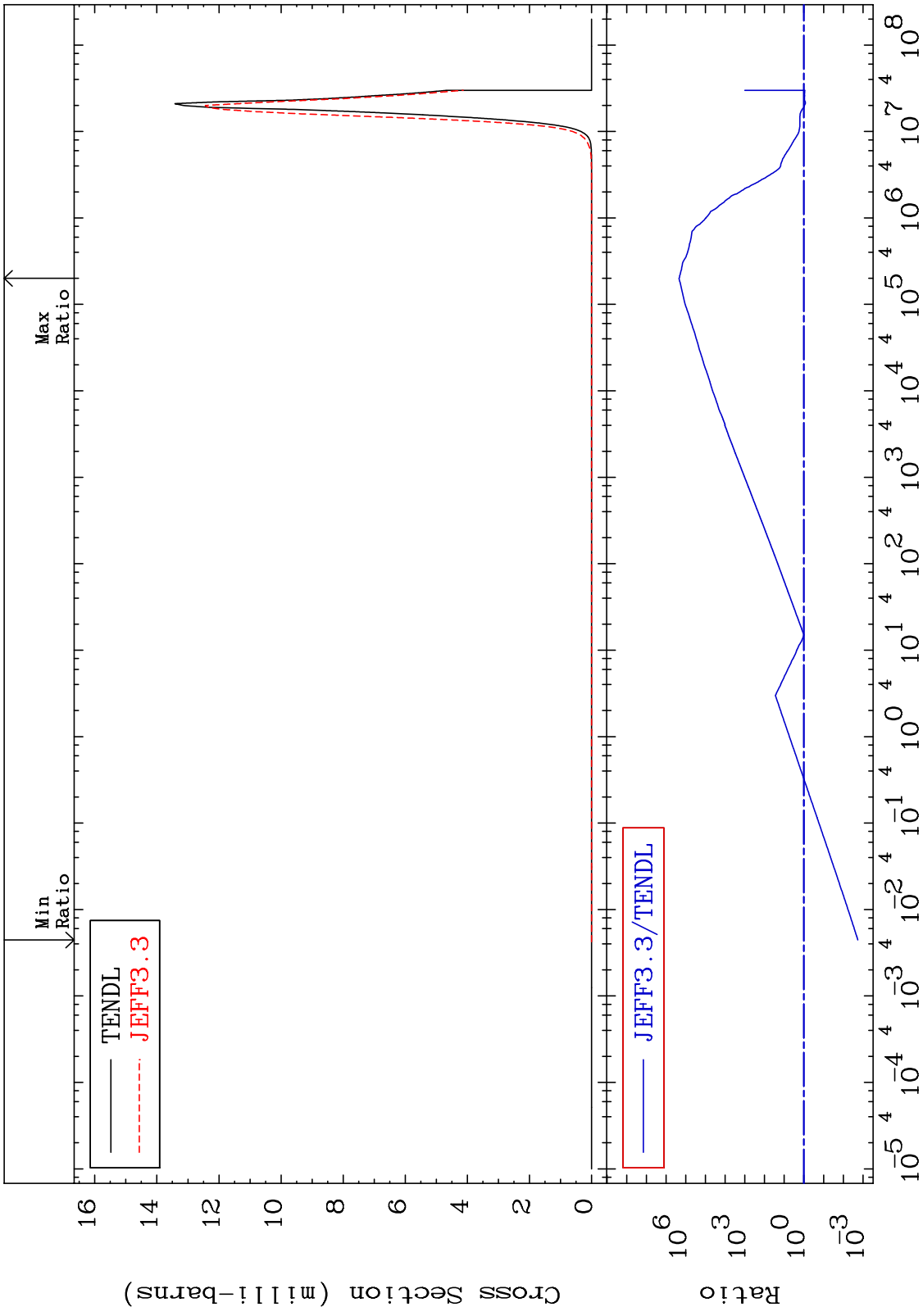


MAT 5325 (n,t) Cross Section 53-I -127
 7.144 To 9999. %

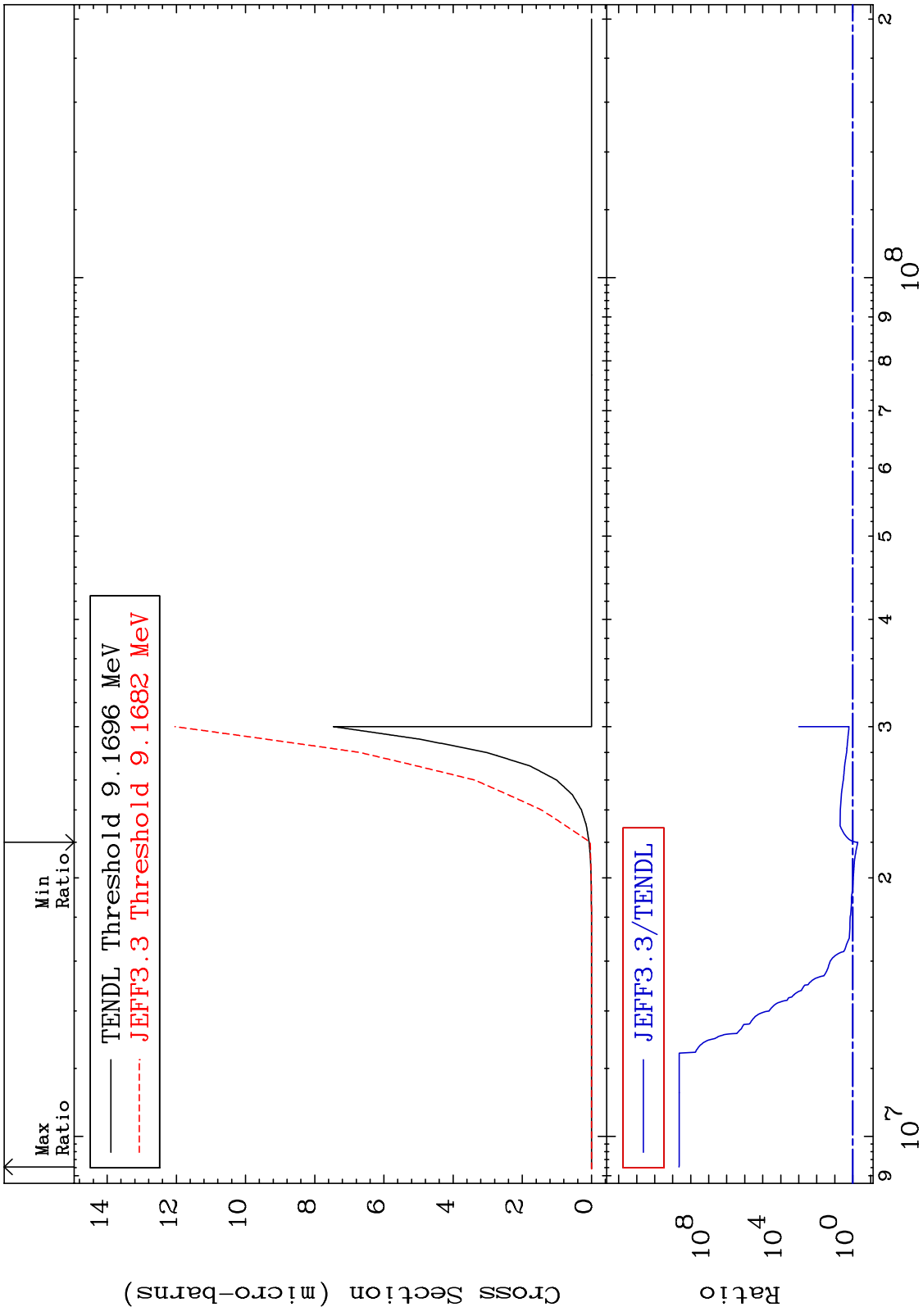




MAT 5325 (n,α) Cross Section 53-I -127 -99.82 To 9999. %

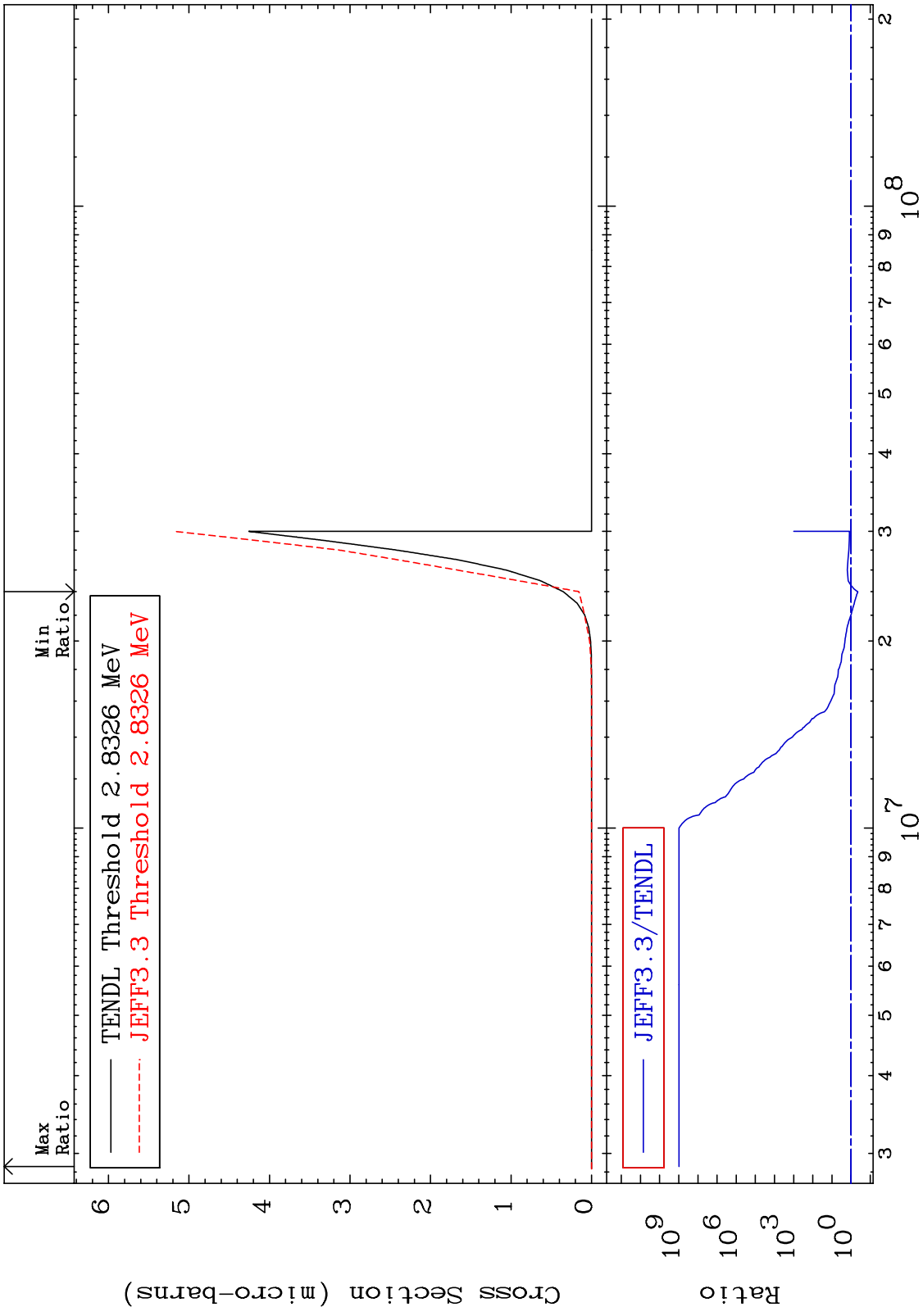


MAT 5325 (n,2p) Cross Section 53-I -127 -47.62 To 9999. %

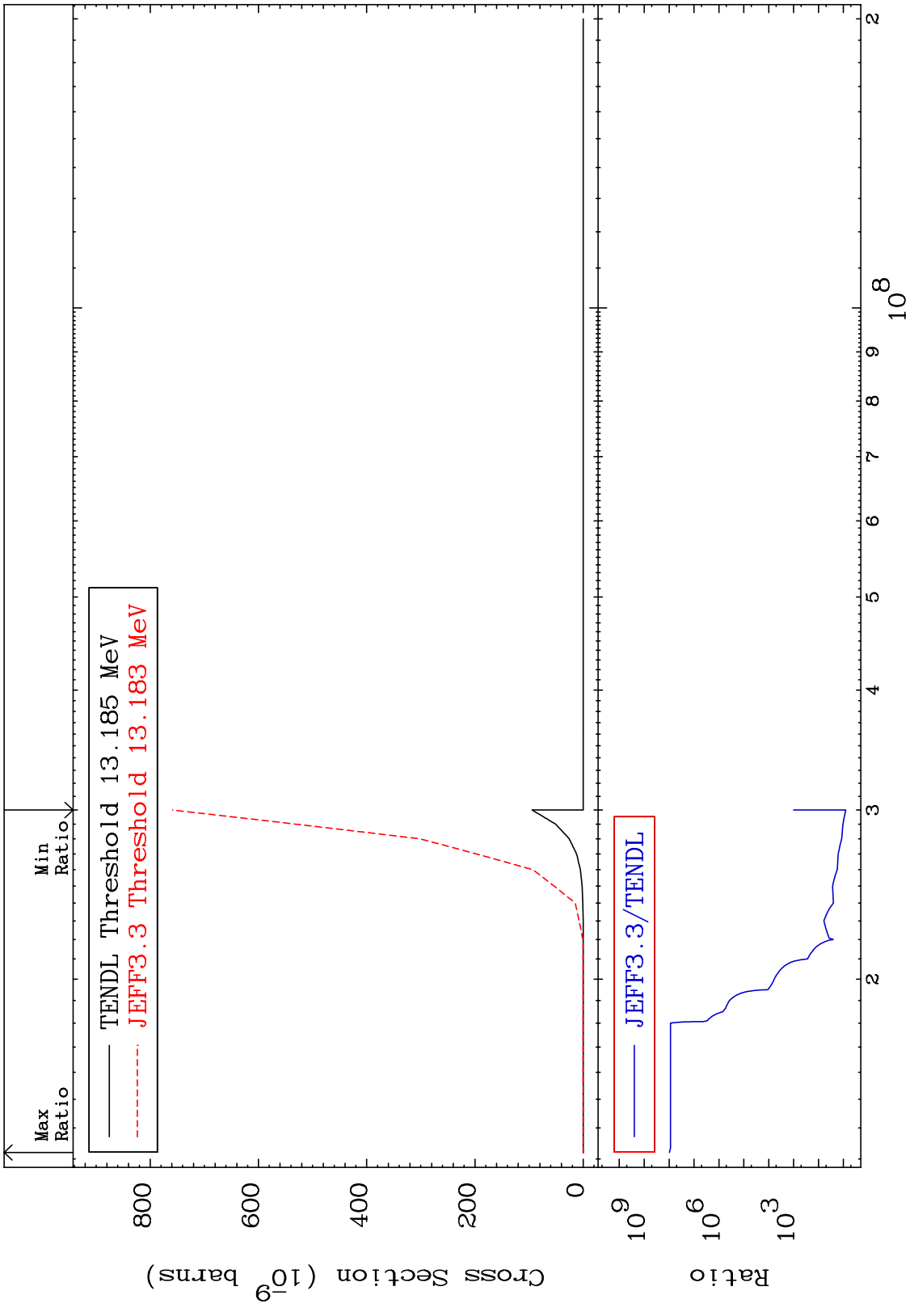


41 Incident Energy (eV) 53-I -127

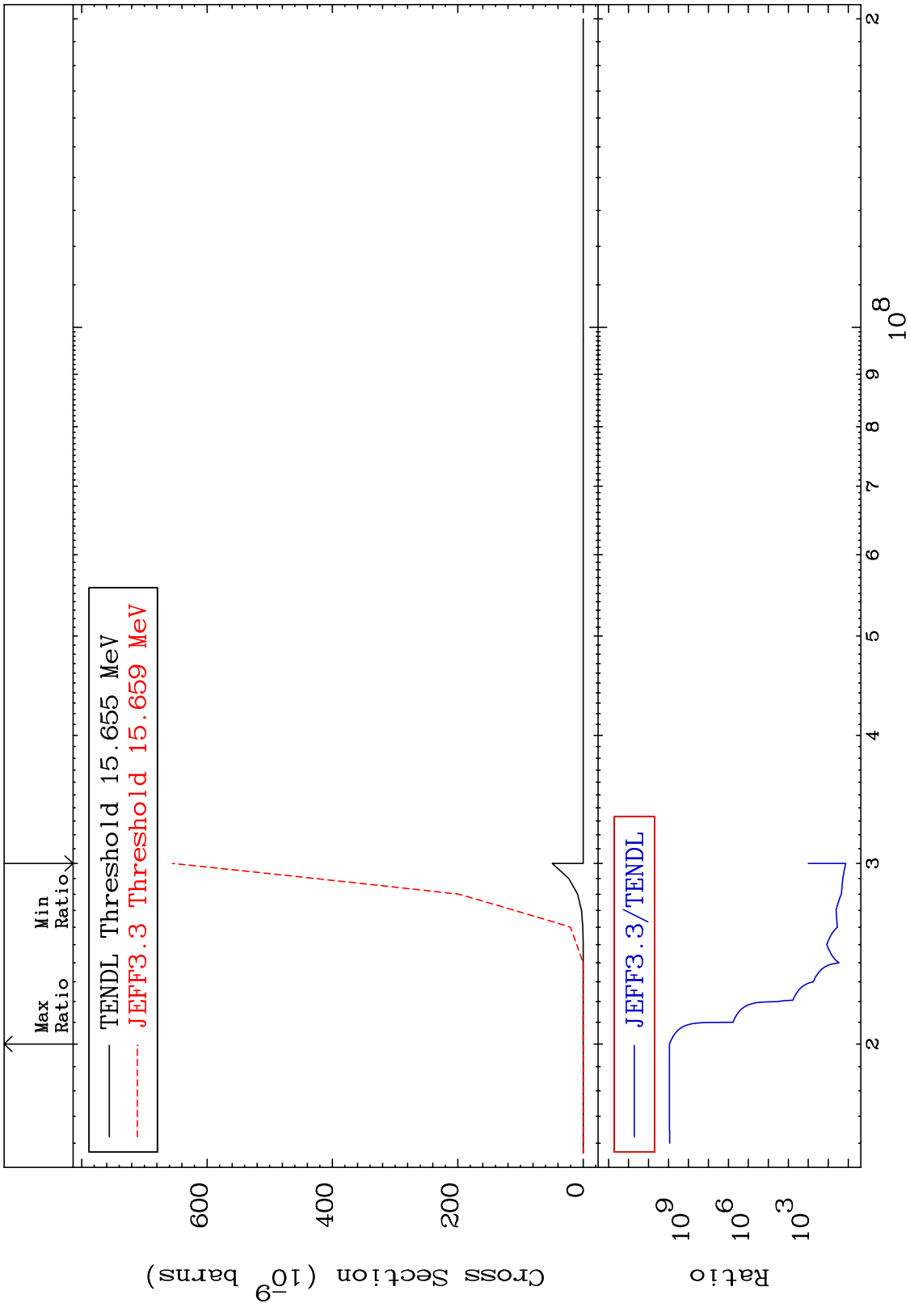
MAT 5325 (n,p) α 53-I -127
 Cross Section -55.64 To 9999. %



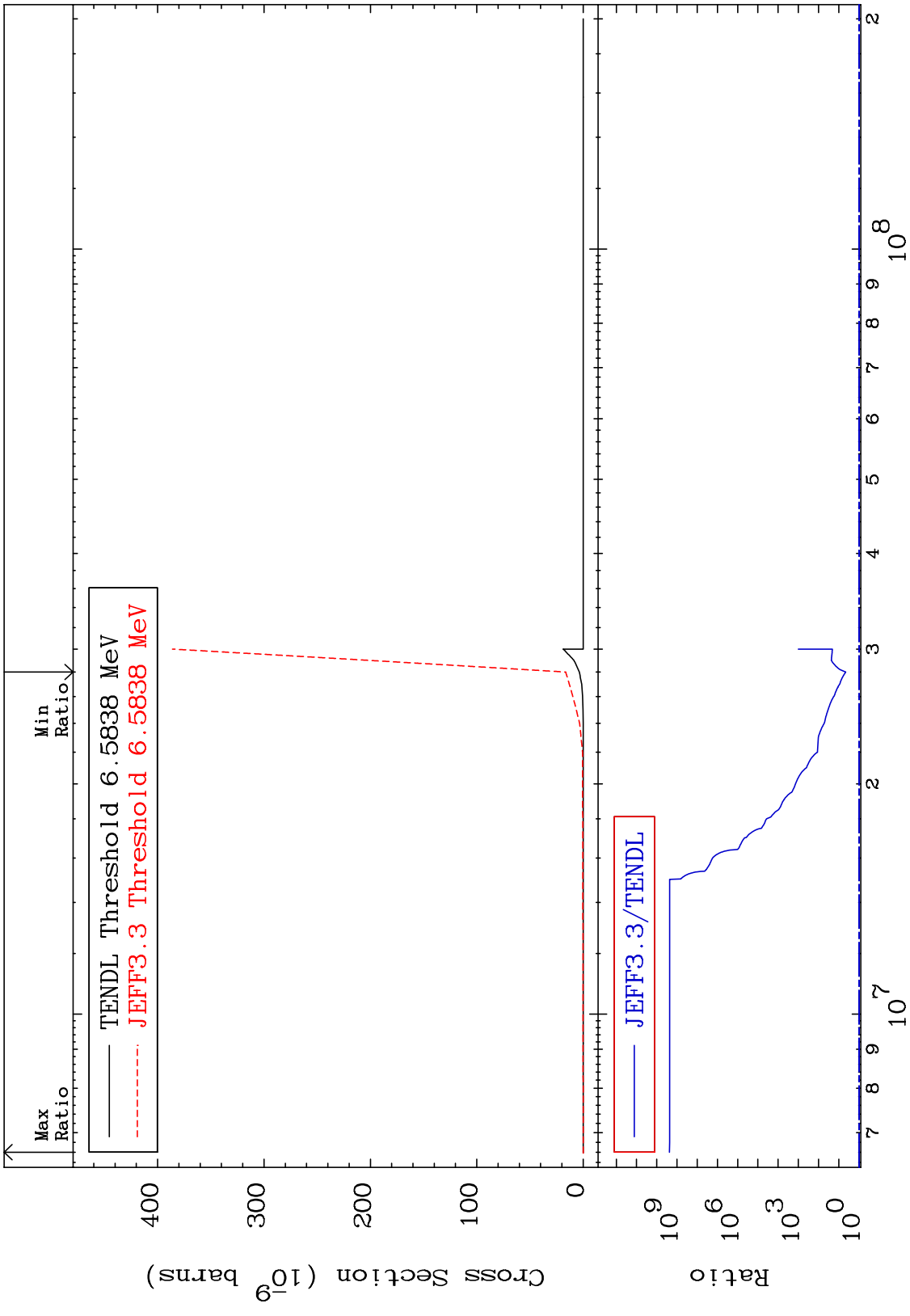
MAT 5325 (n,p) d 53-I -127
 Cross Section 703.7 To 9999. %



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



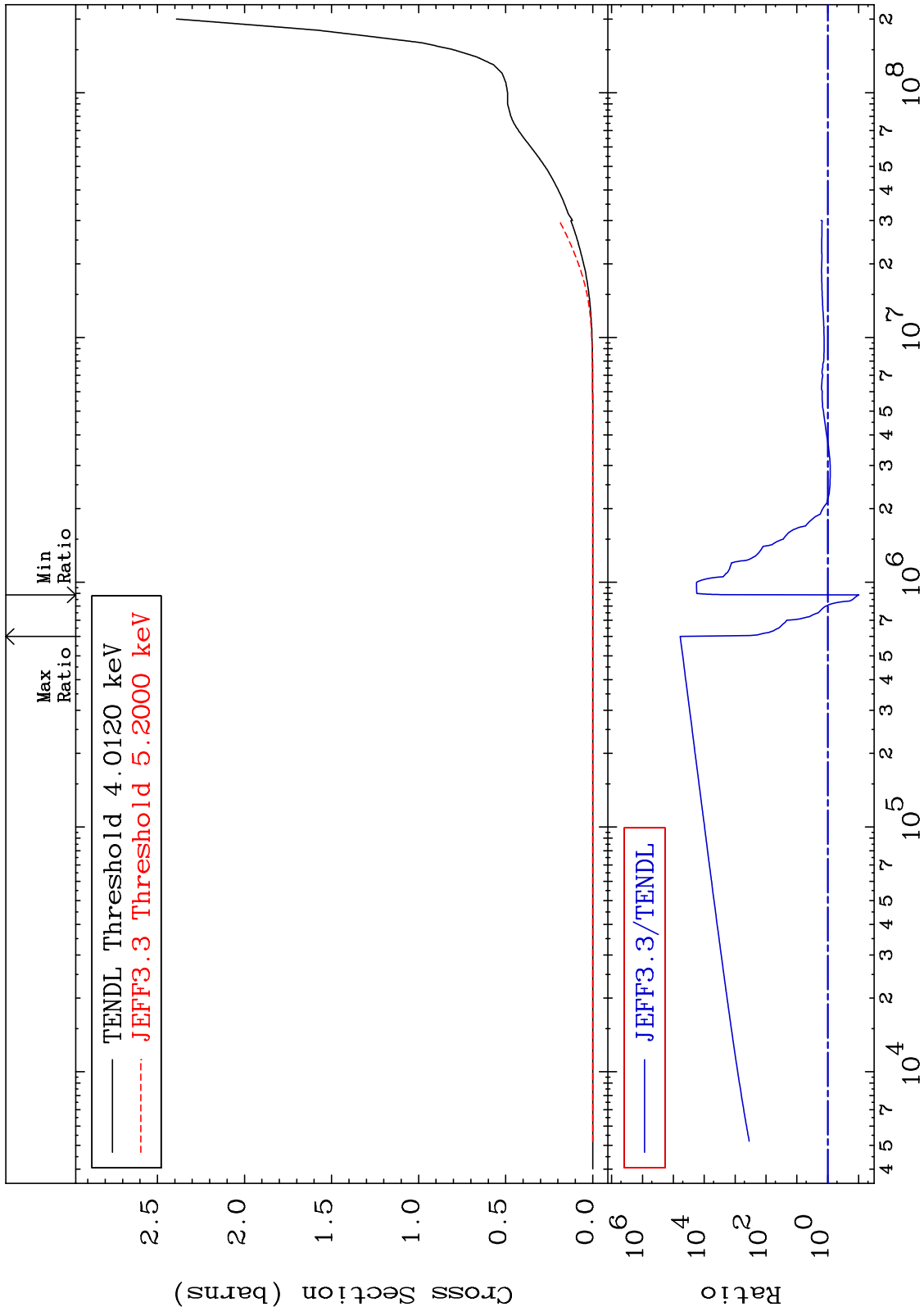
MAT 5325 (n,d) α 53-I -127
 Cross Section 351.9 To 9999. %



MAT 5325

Hydrogen Production
Cross Section

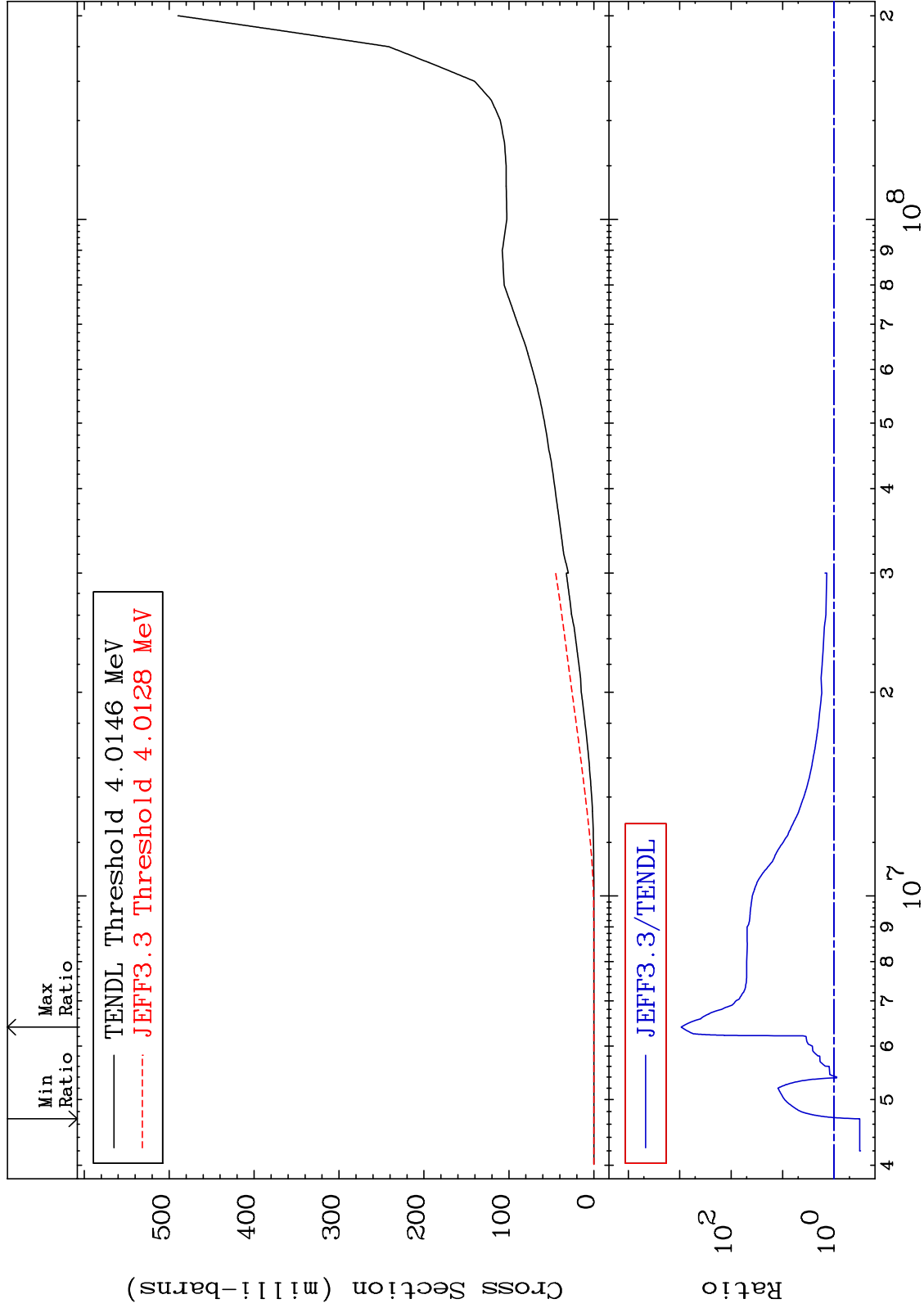
53-I -127
-90.19 To 9999. %



MAT 5325

Deuterium Production
Cross Section

53-I -127
-68.42 To 9999. %

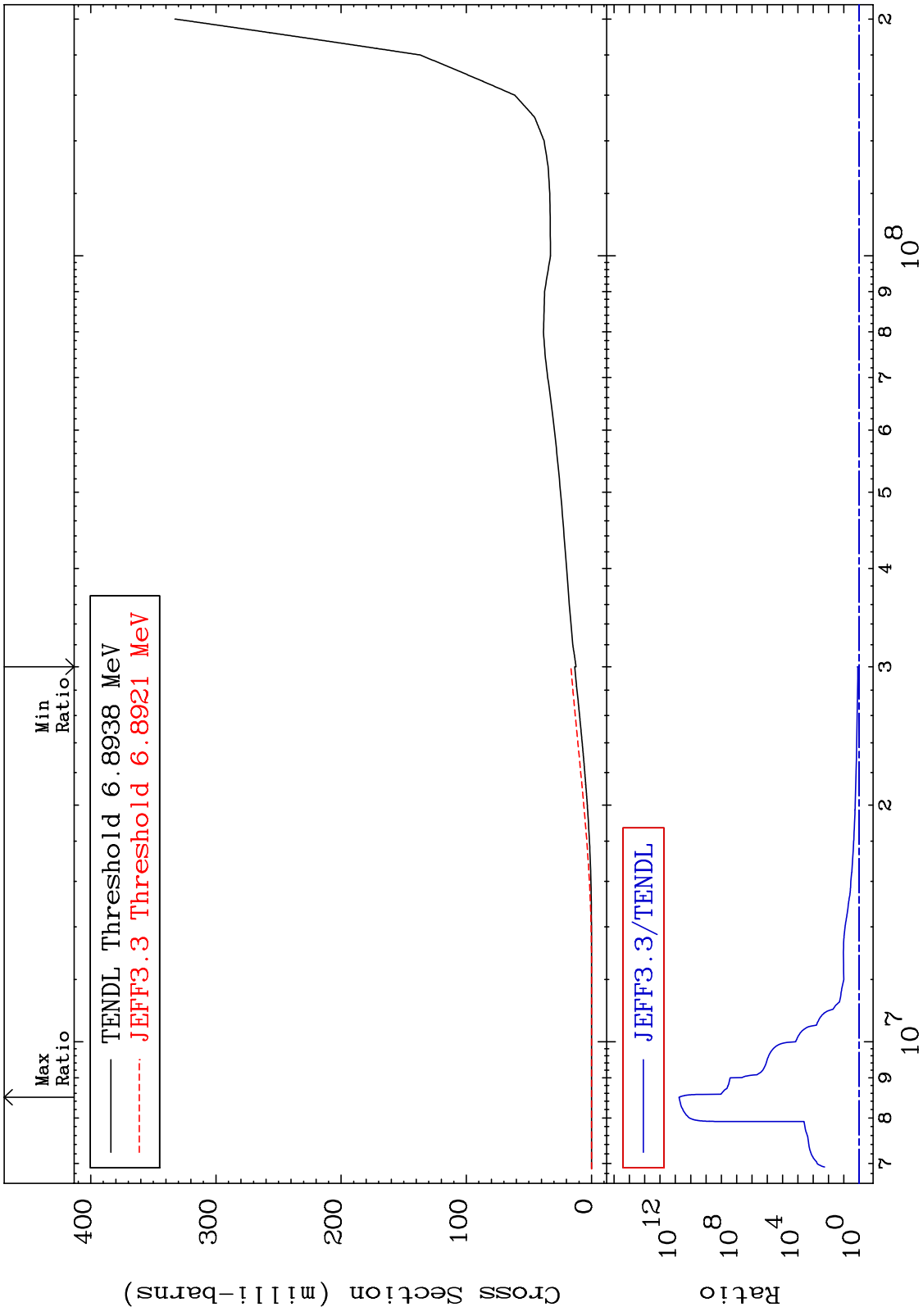


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Incident Energy (eV)

53-I -127

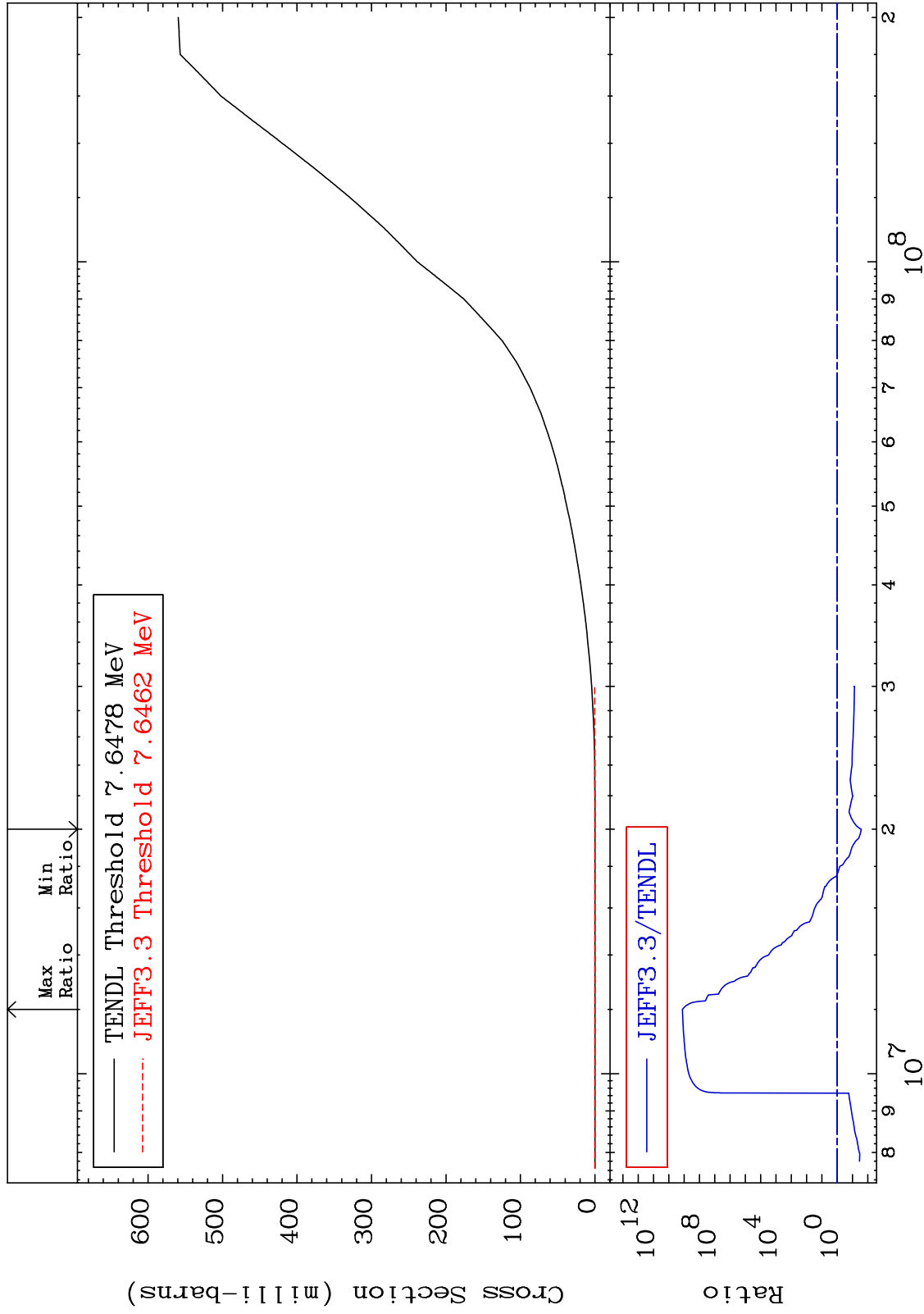
MAT 5325 Tritium Production Cross Section 53-I -127 To 9999. %
 22.75



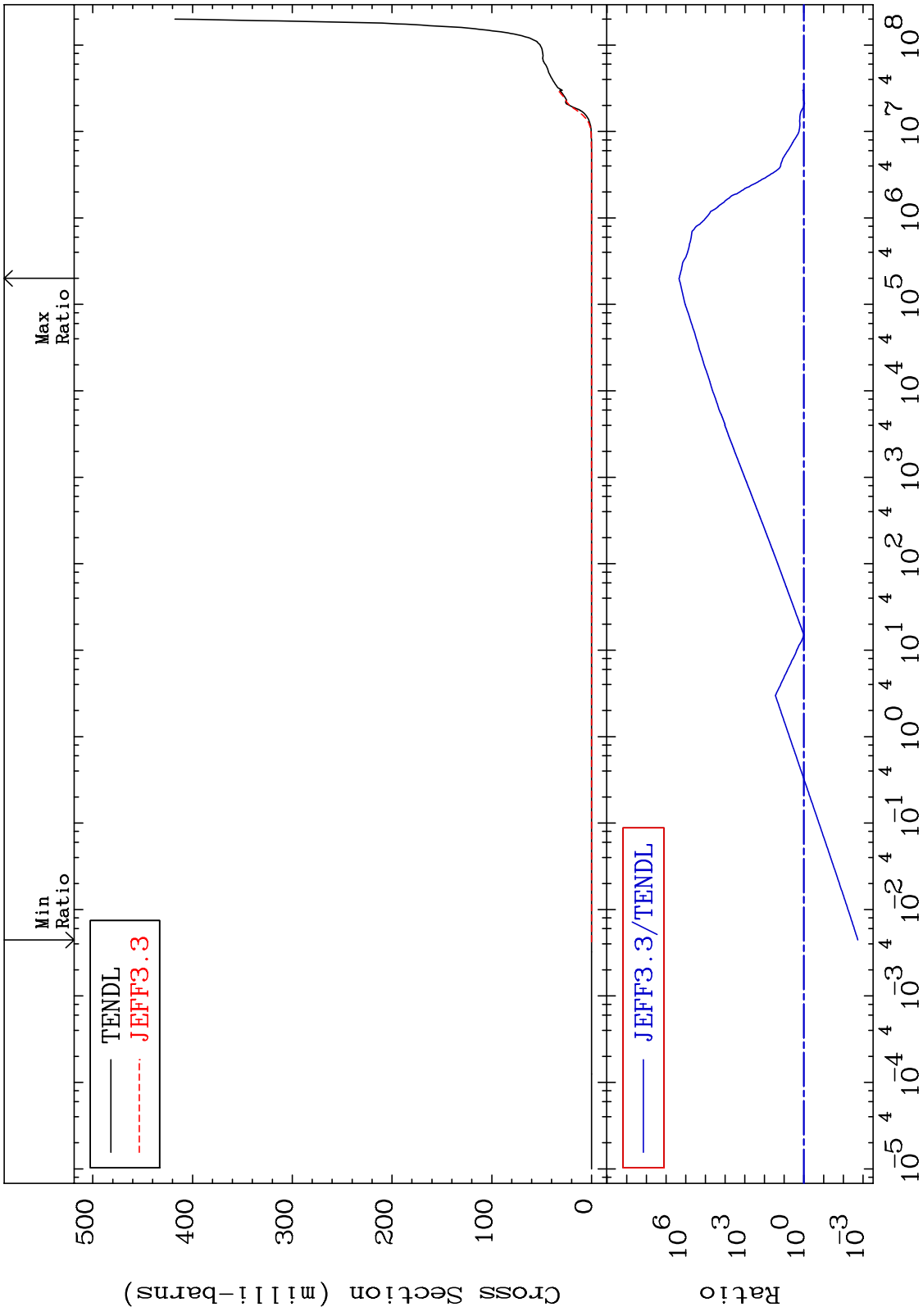
MAT 5325

He-3 Production
Cross Section

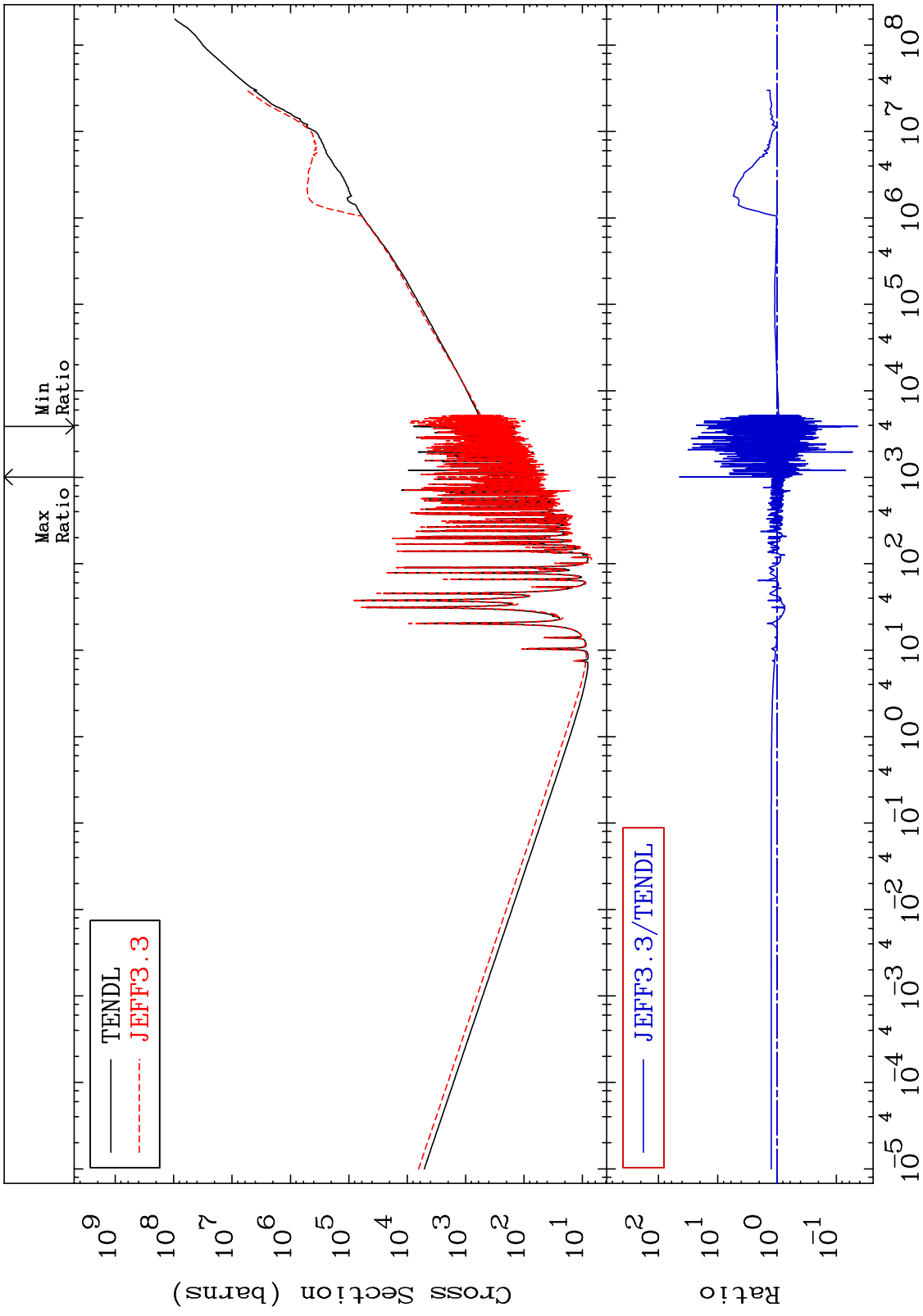
53-I -127
-97.33 To 9999. %



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. %

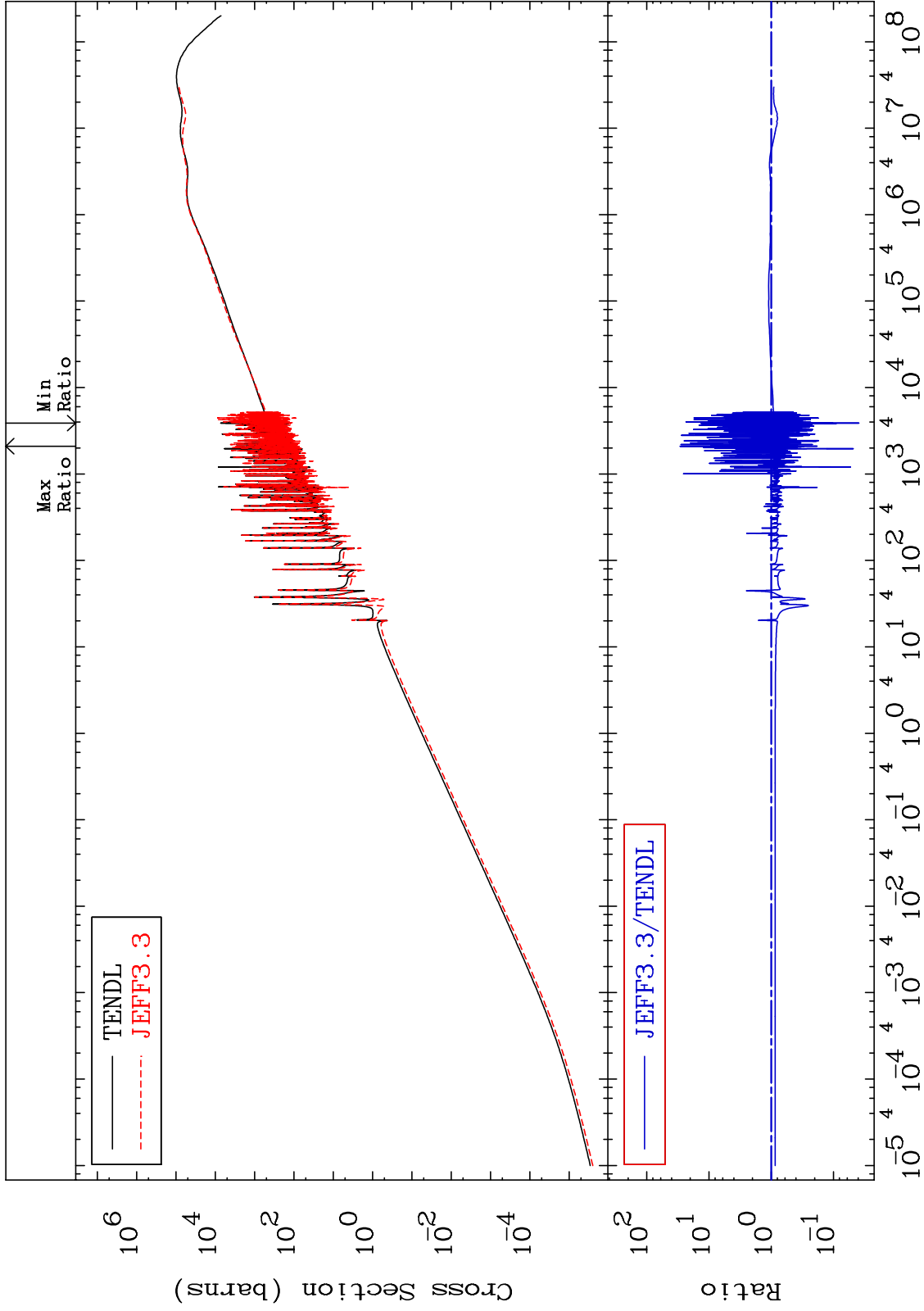


Incident Energy (eV) 53-I -127

MAT 5325

Kerma elastic
Cross Section

53-I -127
-96.10 To 2804. %

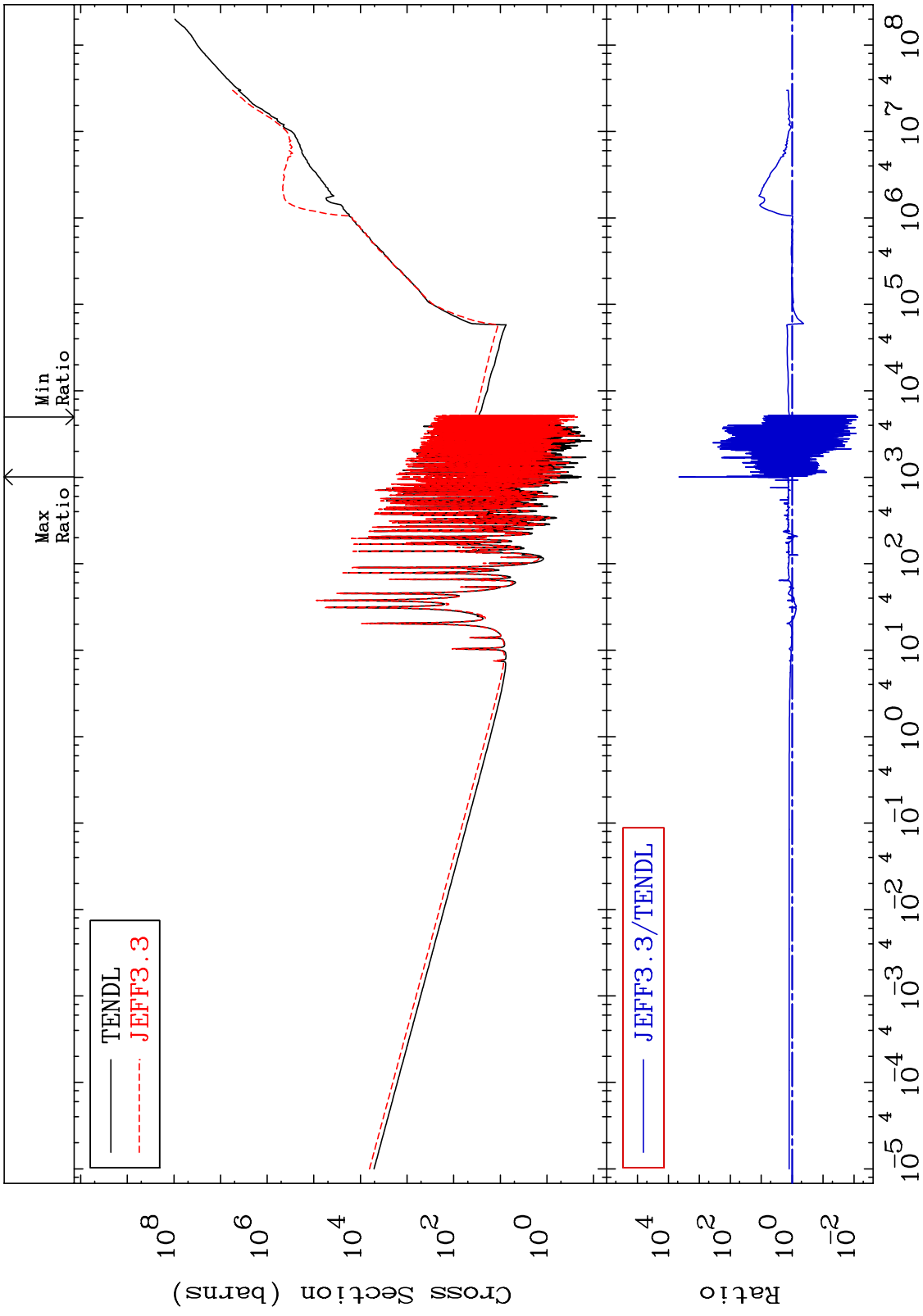


52

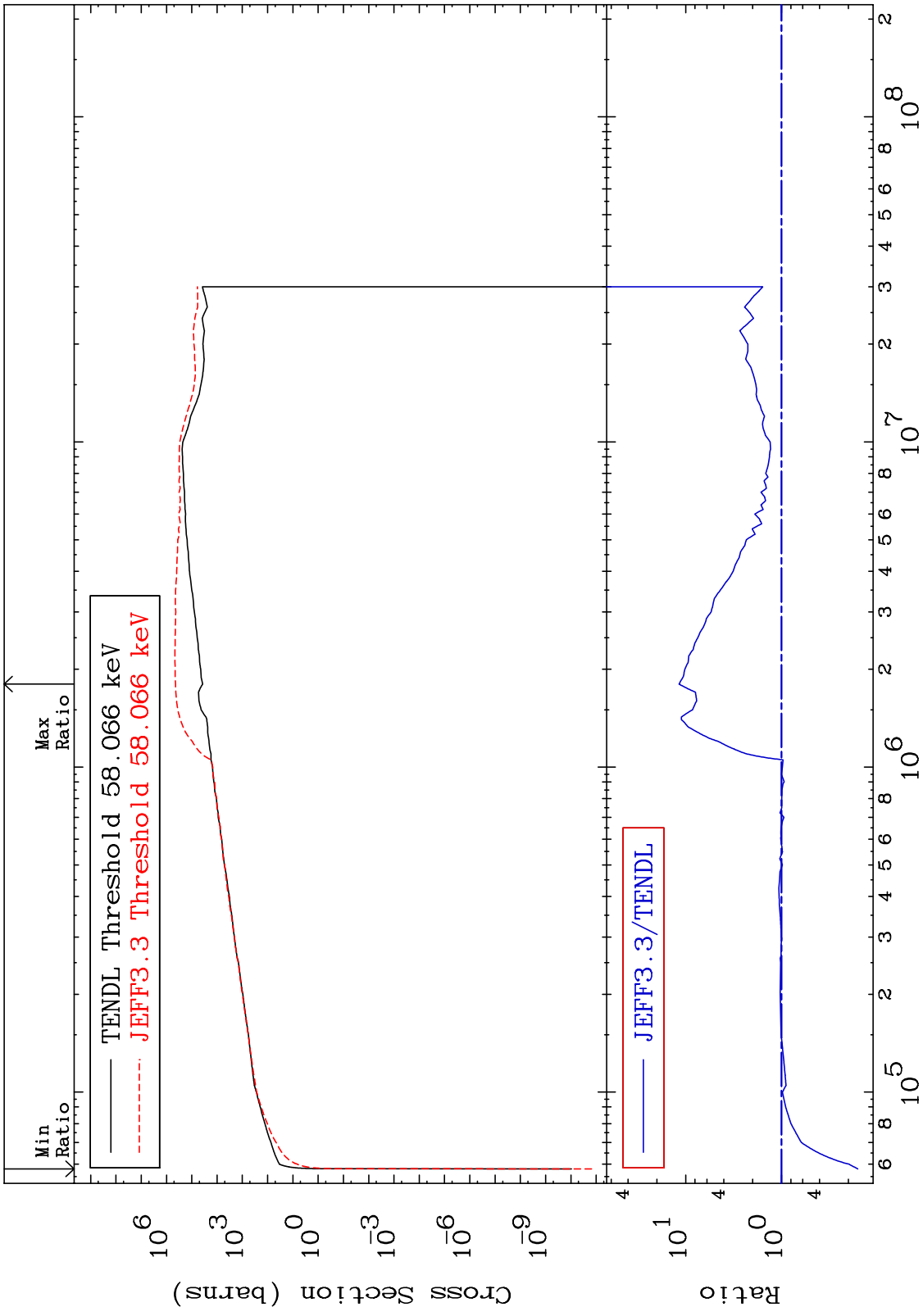
Incident Energy (eV)

53-I -127

MAT 5325 Kerma non-elastic (all but mt2) 53-I -127
 Cross Section -99.25 To 9999. %



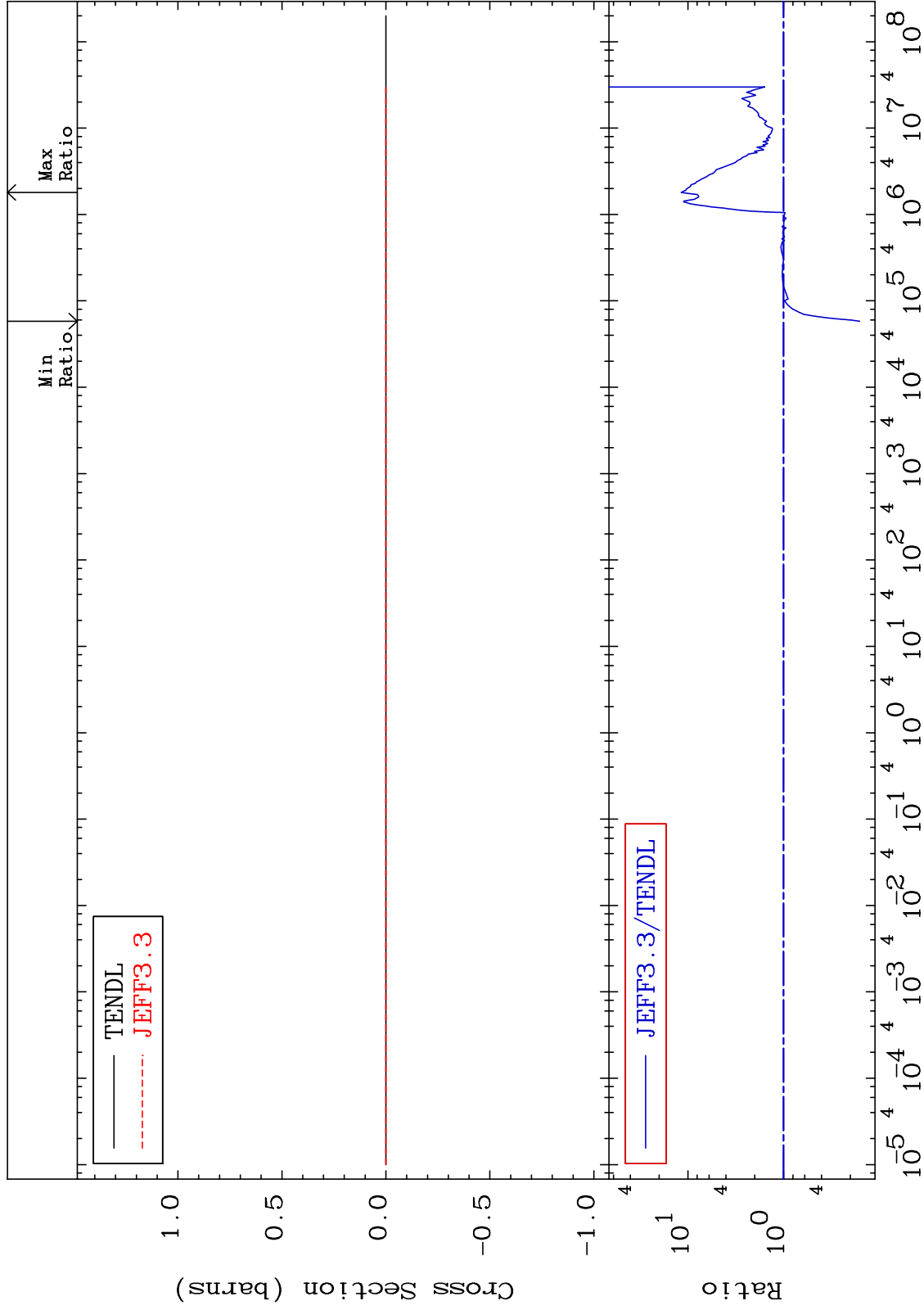
MAT 5325 Kerma inelastic (mt51-91) 53-I -127
 -84.03 To 1075. %
 Cross Section



MAT 5325

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

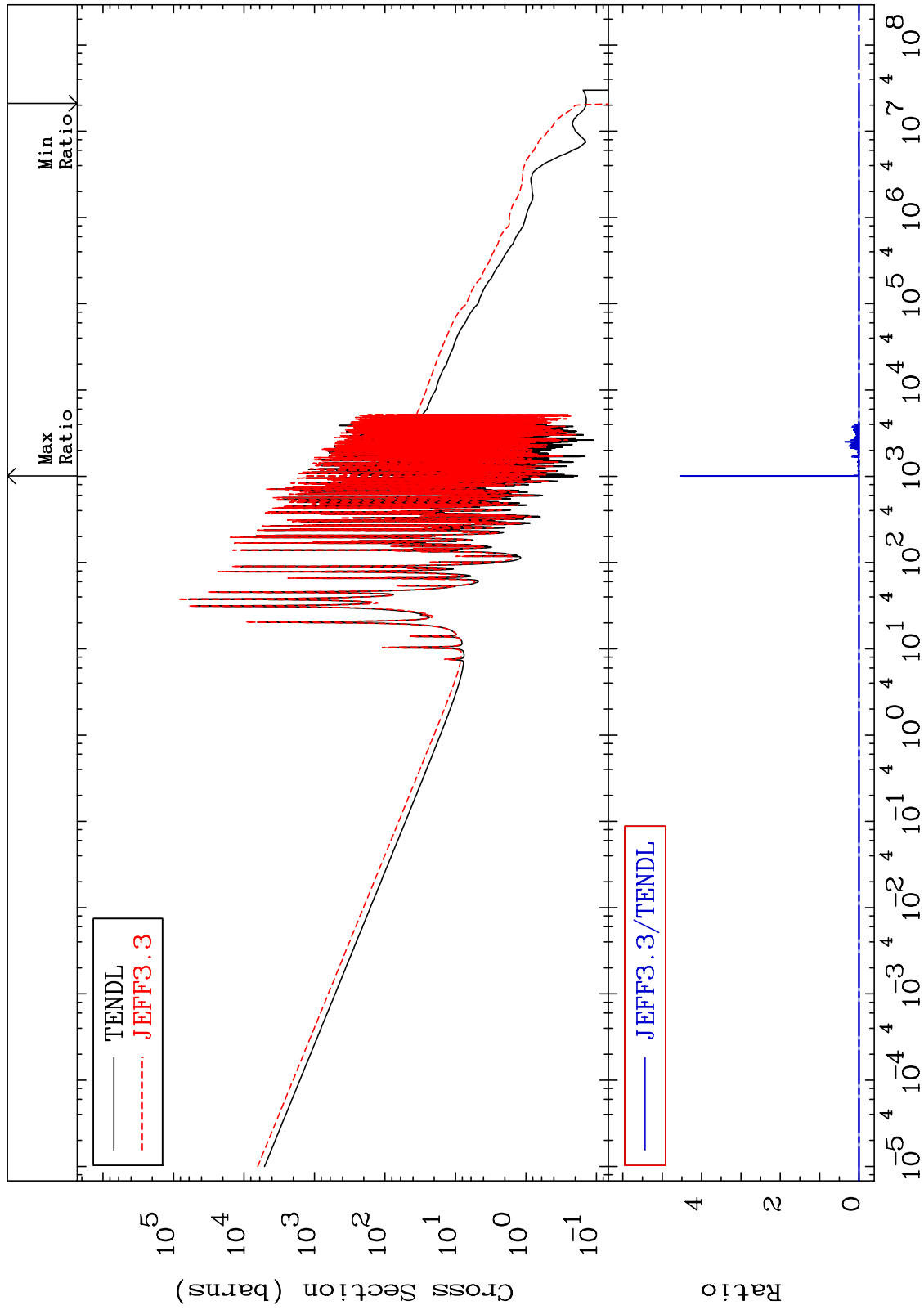
53-I -127
-84.03 To 1075. %



MAT 5325

Kerma capture (mt102)
Cross Section

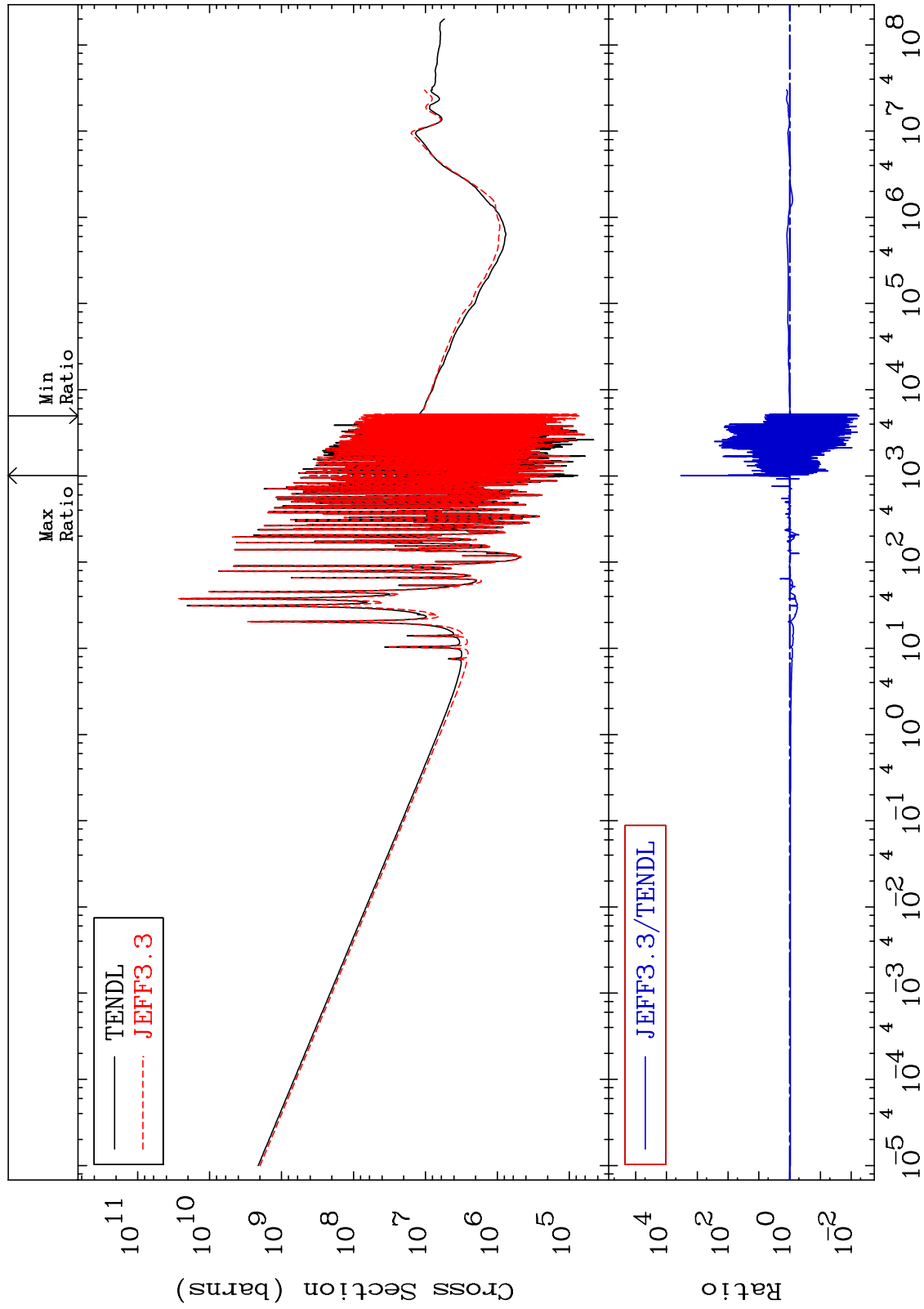
53-I -127
-100.0 To 9999. %



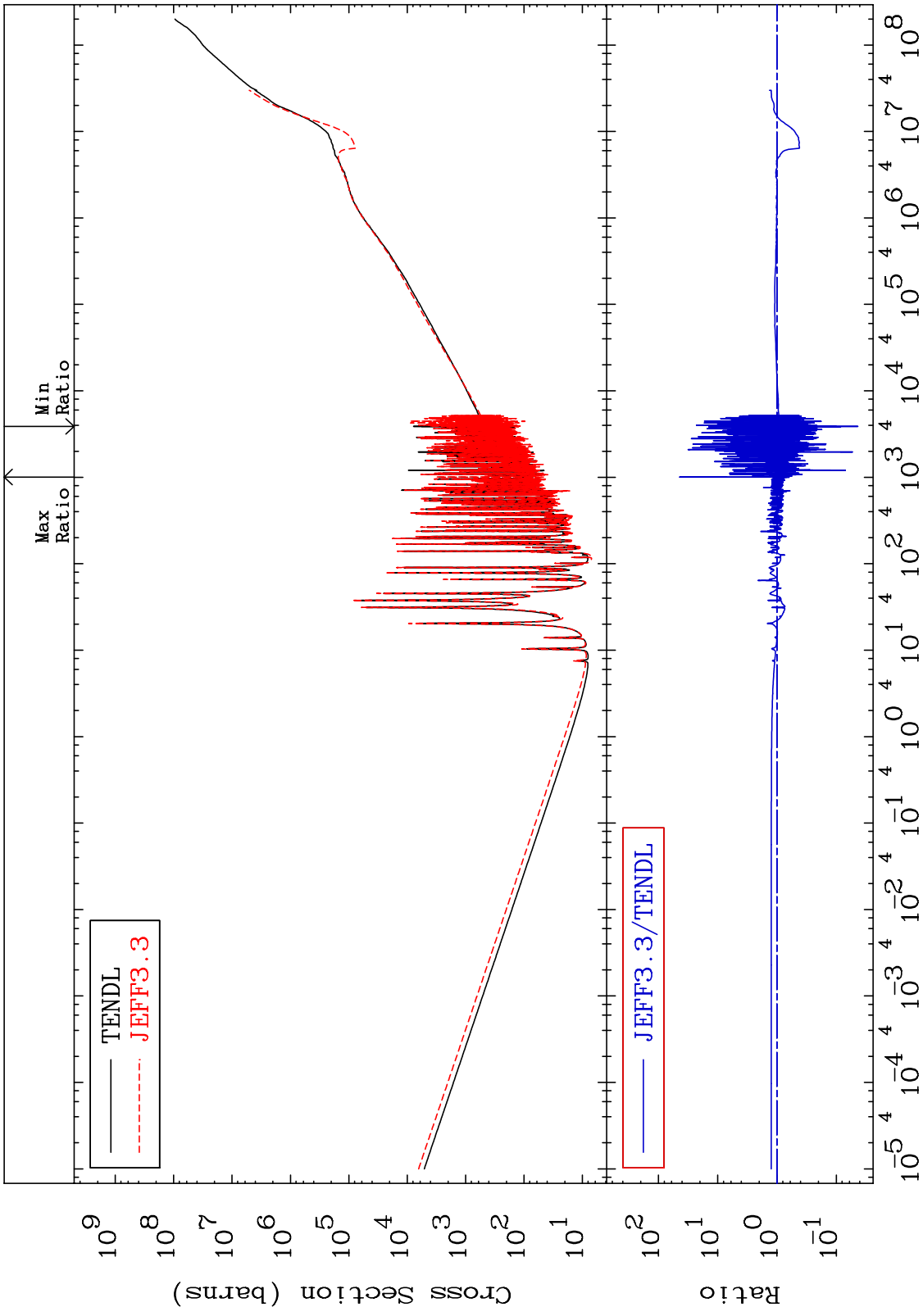
MAT 5325

Total photon (eV-barns)
Cross Section

53-I -127
-99.44 To 9999. %



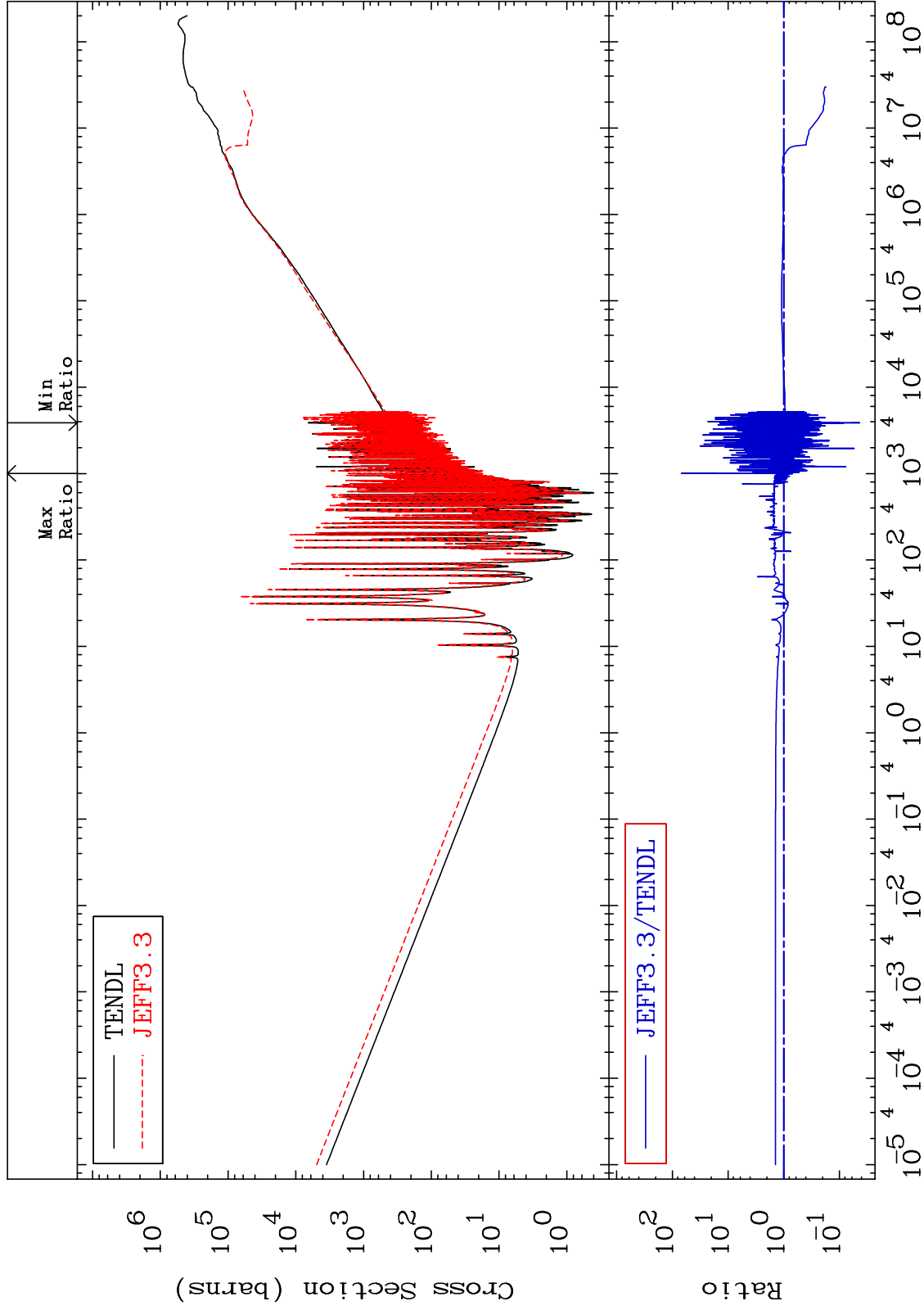
MAT 5325 Total kinematic kerma (high limit) 53-I -127
 Cross Section -95.67 To 4400. %



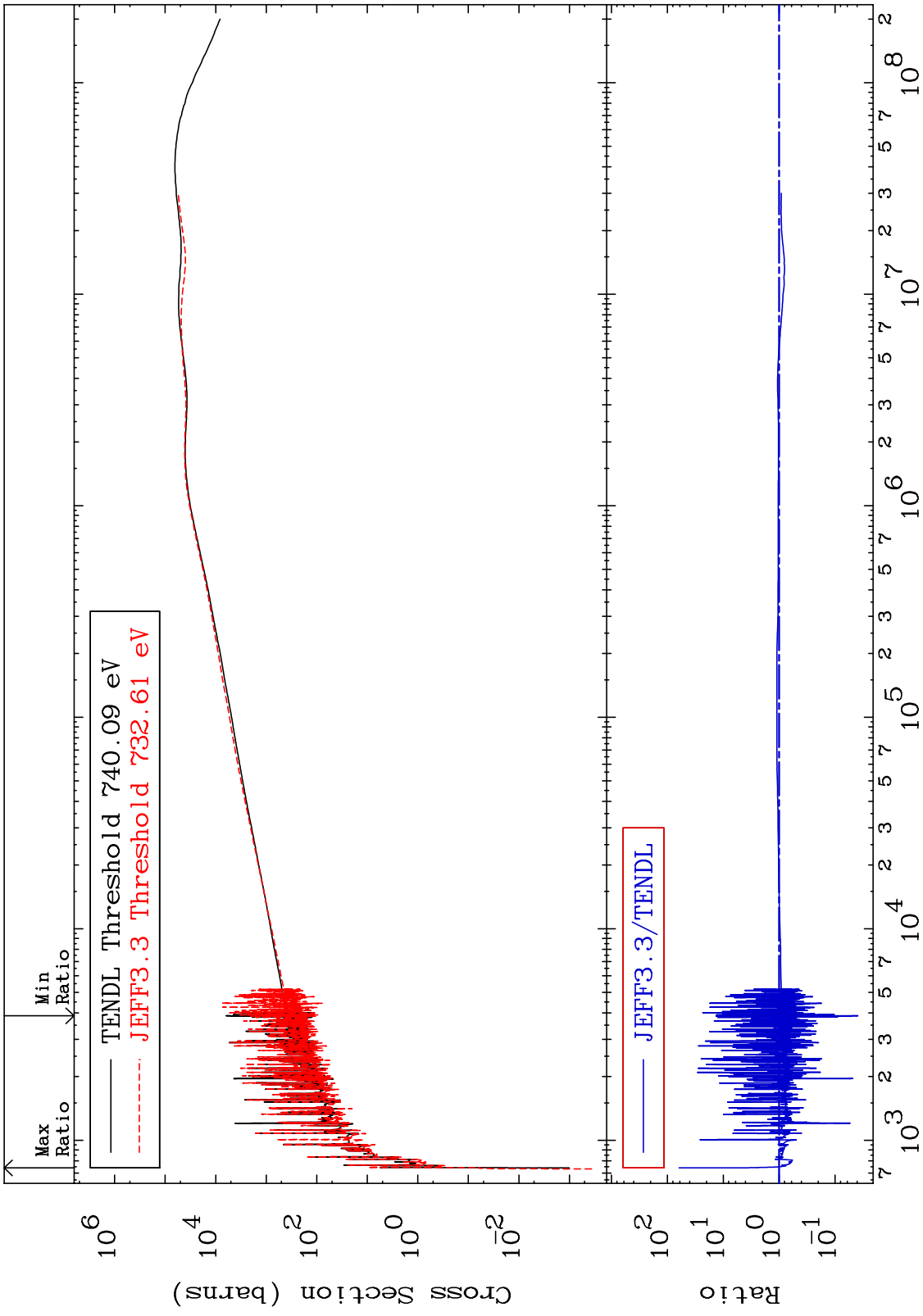
MAT 5325

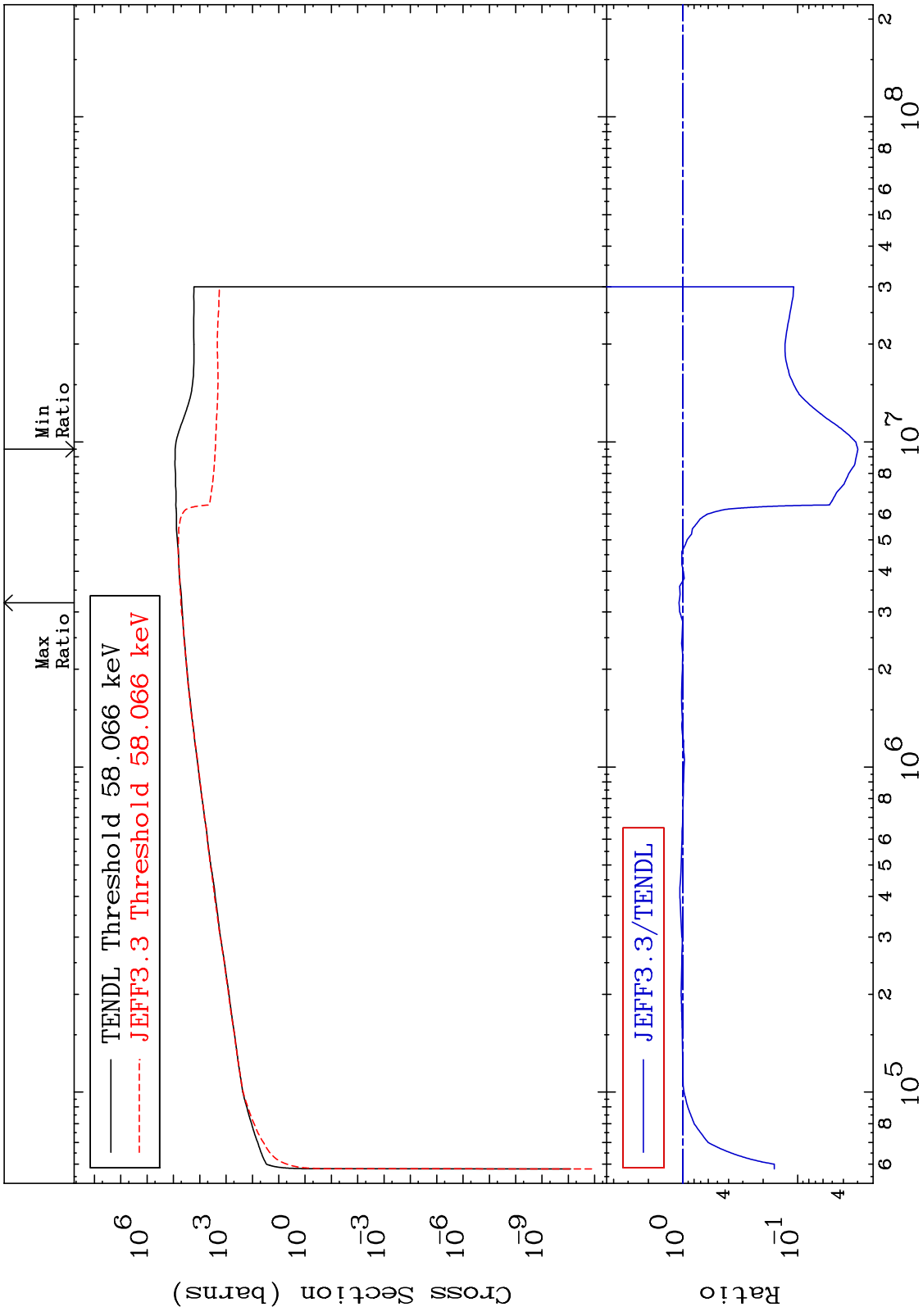
Dpa total (eV-barns)
Cross Section

53-I -127
-95.69 To 6824. %

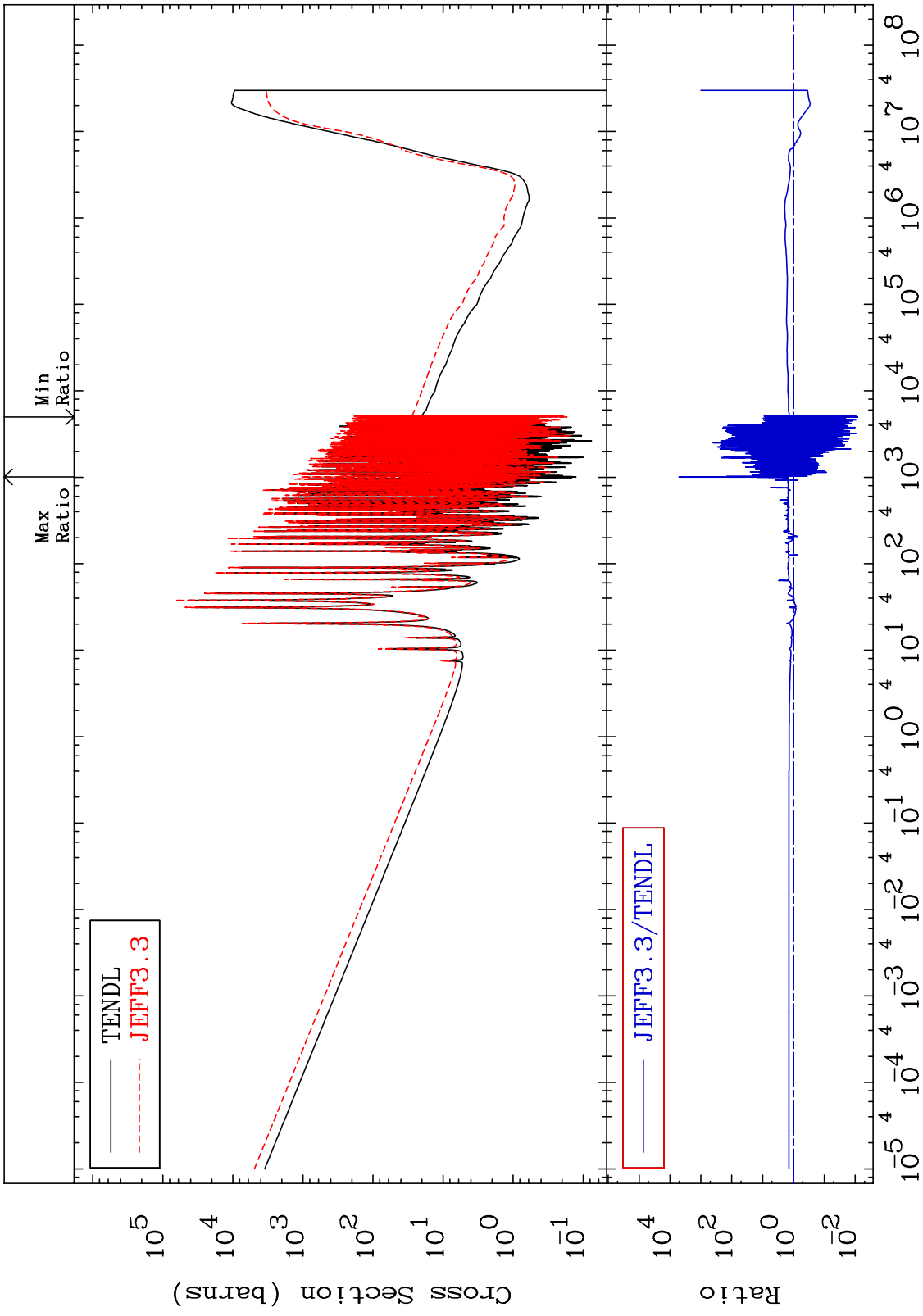


MAT 5325 Dpa elastic (mt2) 53-I -127
Cross Section -96.10 To 6081. %





MAT 5325 Dpa disappearance (mt102 -120) 53-I -127
 Cross Section -99.17 To 9999. %

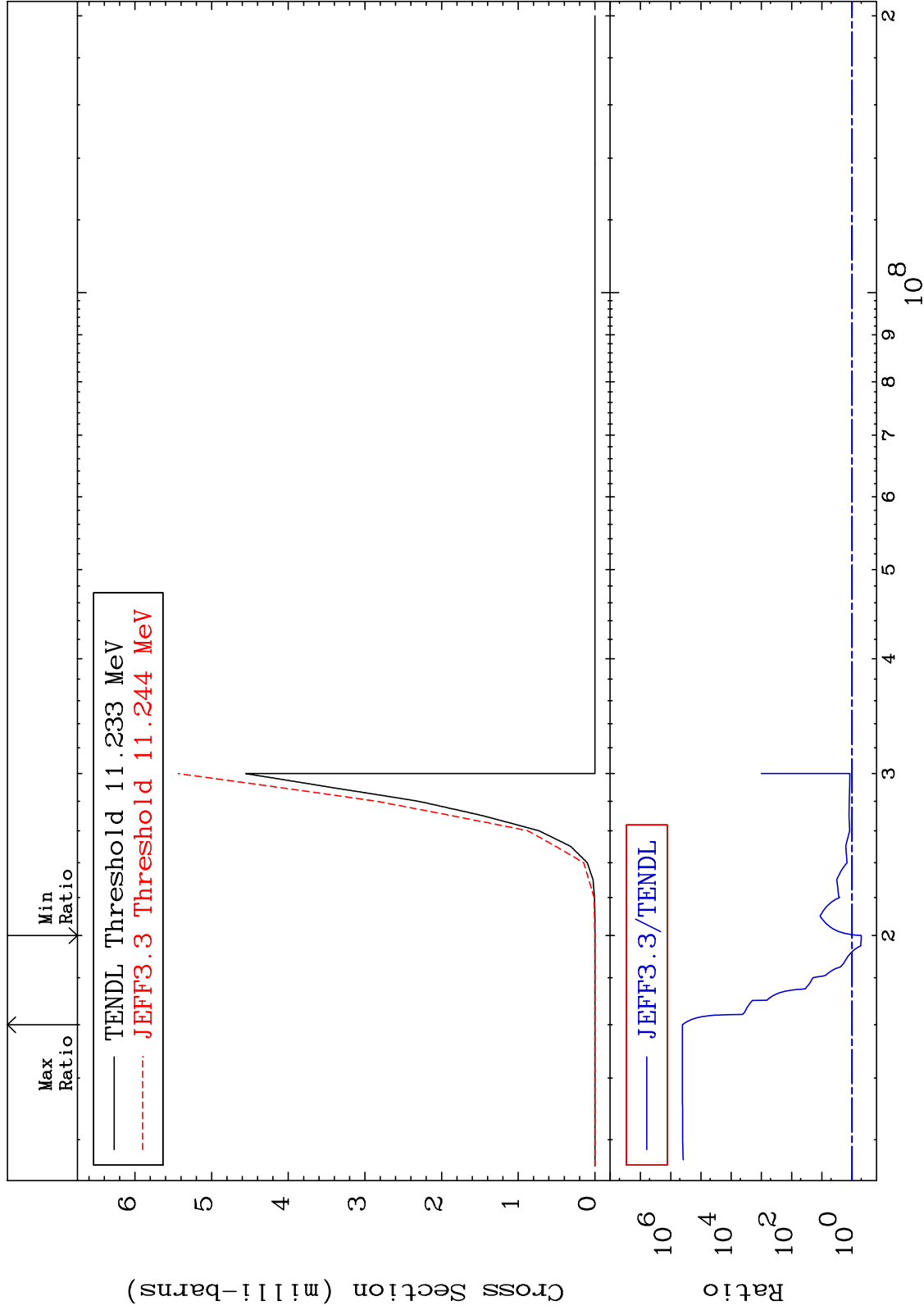


MAT 5325

(n,2n) α :51-Sb-122g

53-I -127

Radionuclide Production Cross Section -50.33 To 9999. %

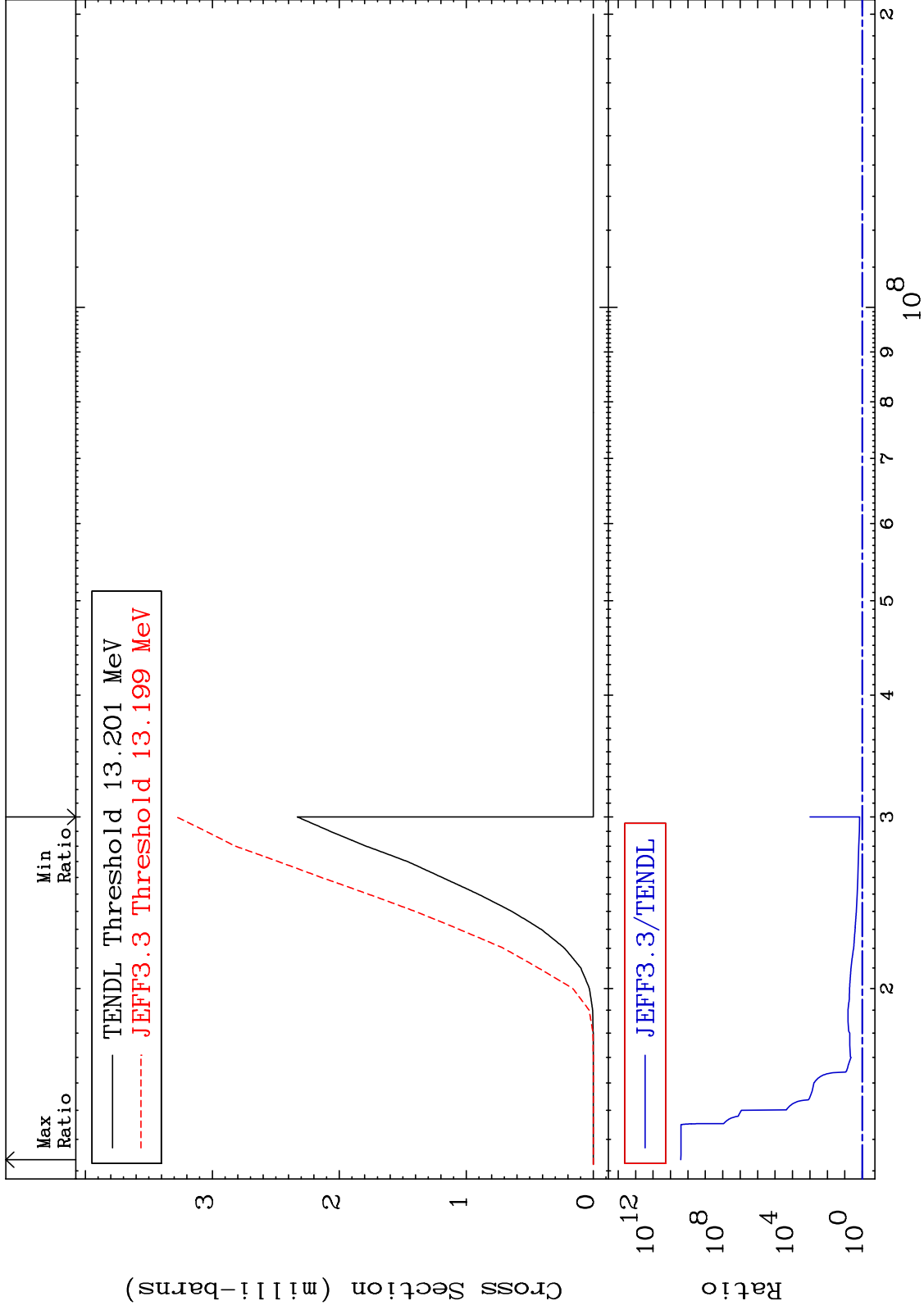


MAT 5325

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

53-I -127

Radionuclide Production Cross Section 40.77 To 9999. %

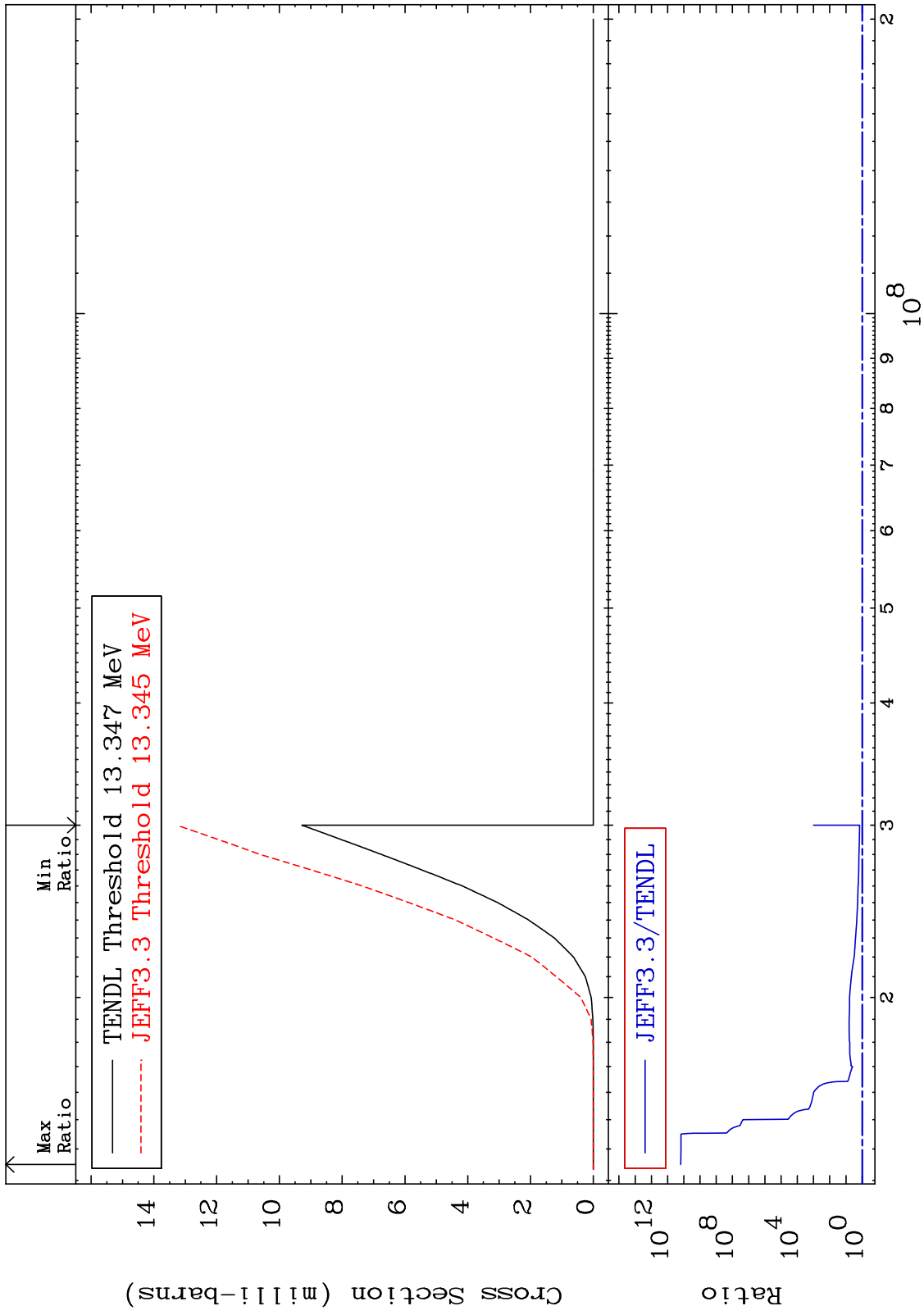


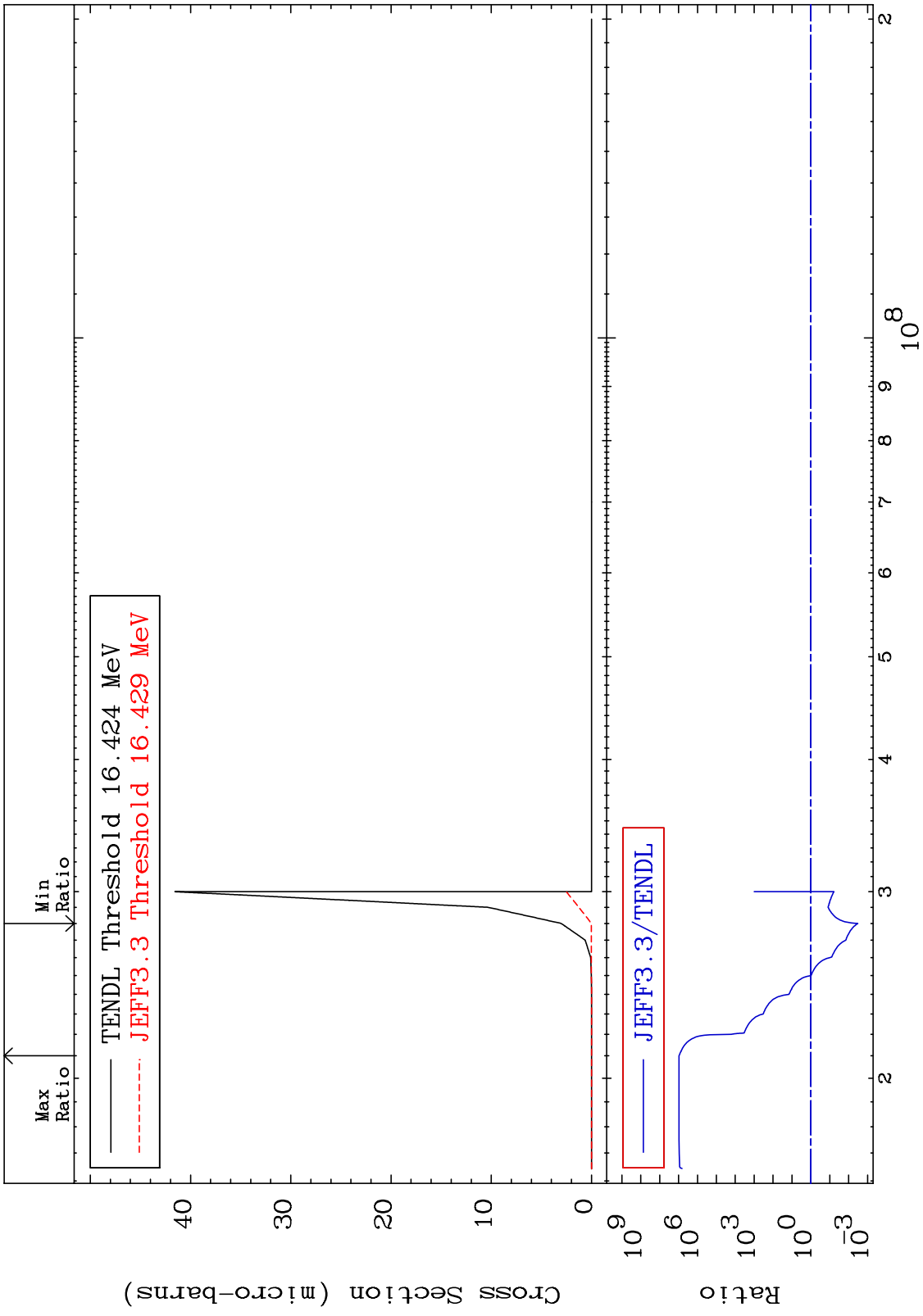
MAT 5325

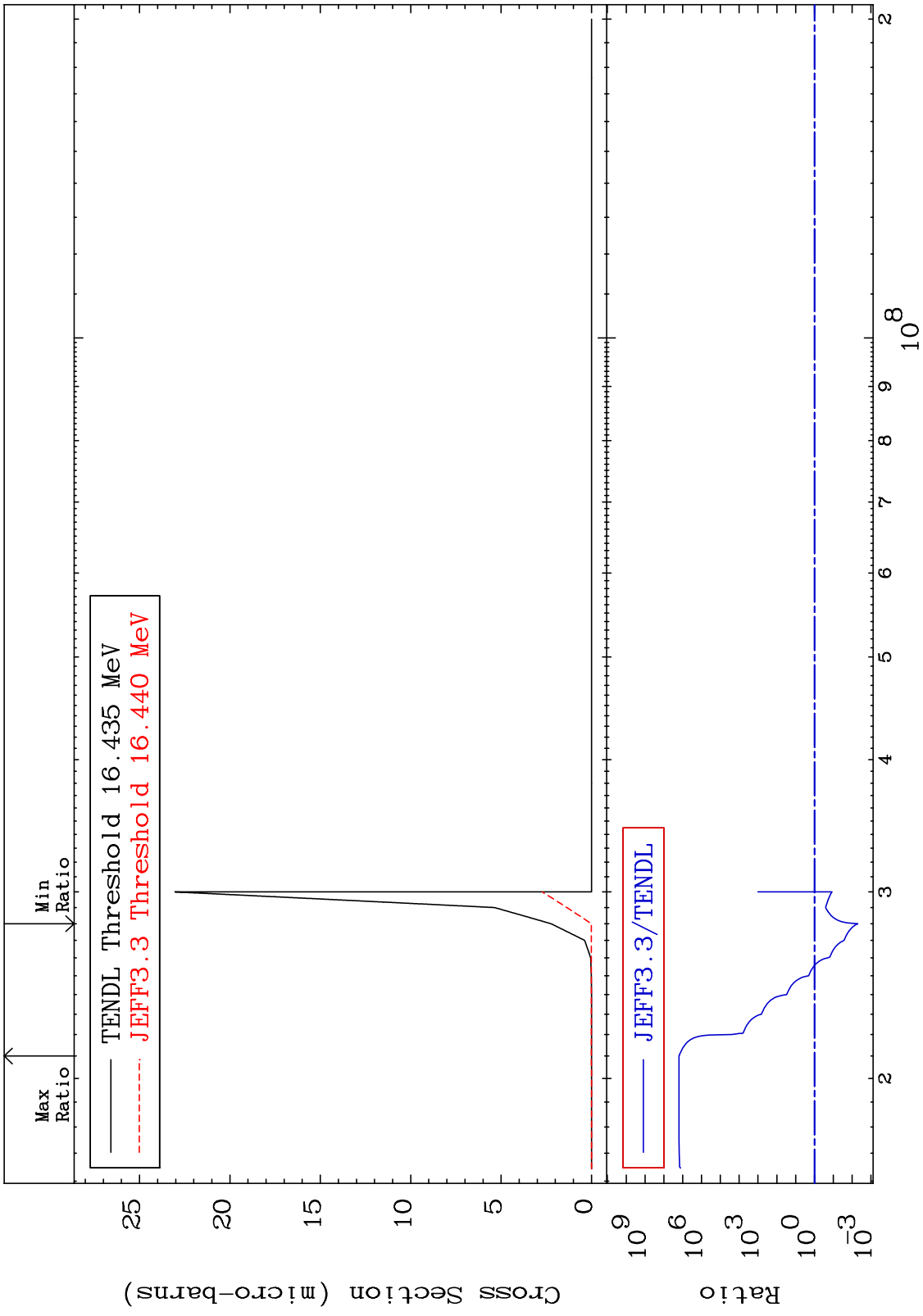
(n,n') d:52-Te-125m2

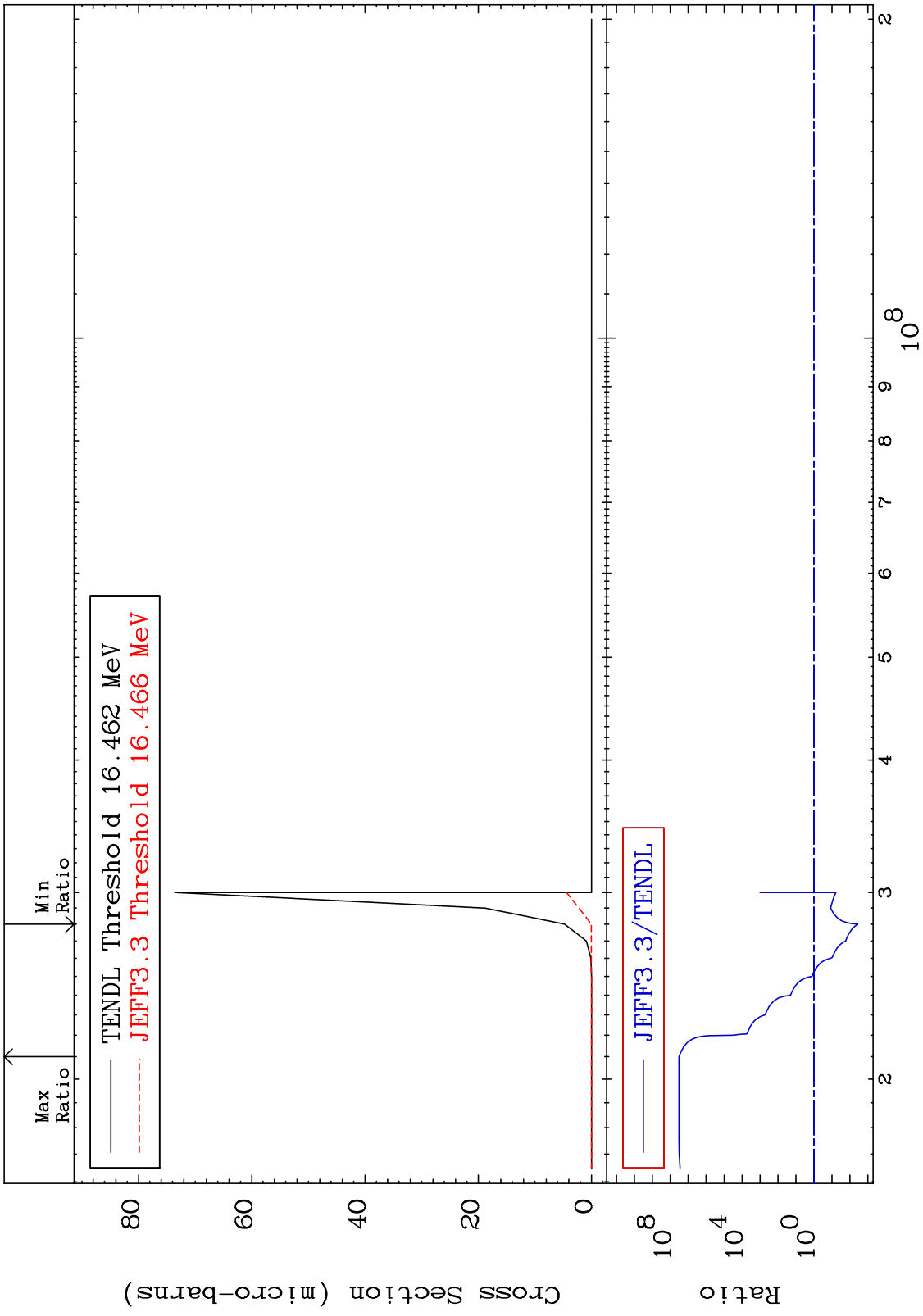
53-I -127

Radionuclide Production Cross Section 42.96 To 9999. %







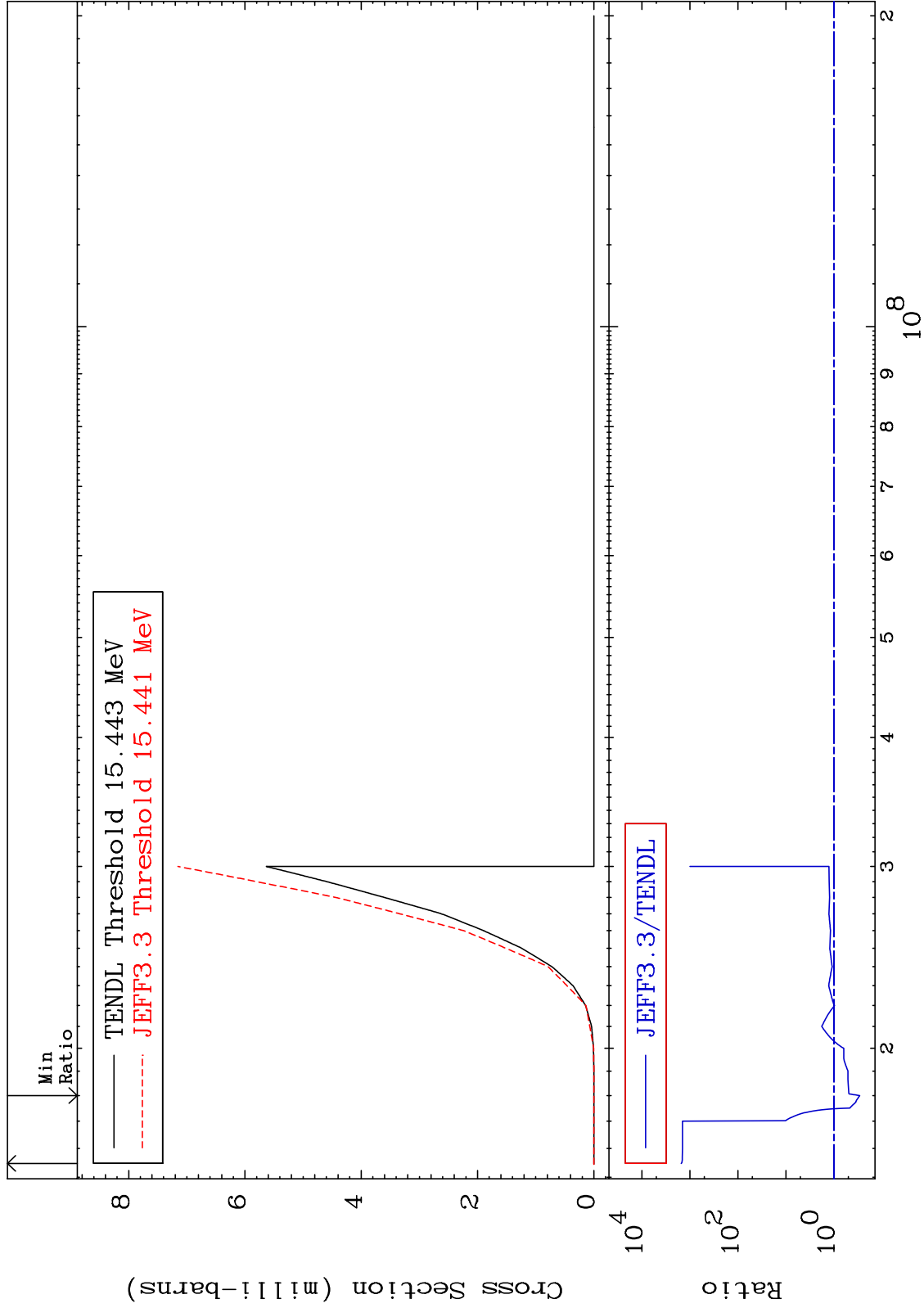


MAT 5325

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

53-I -127

Radionuclide Production Cross Section -71.00 To 9999. %

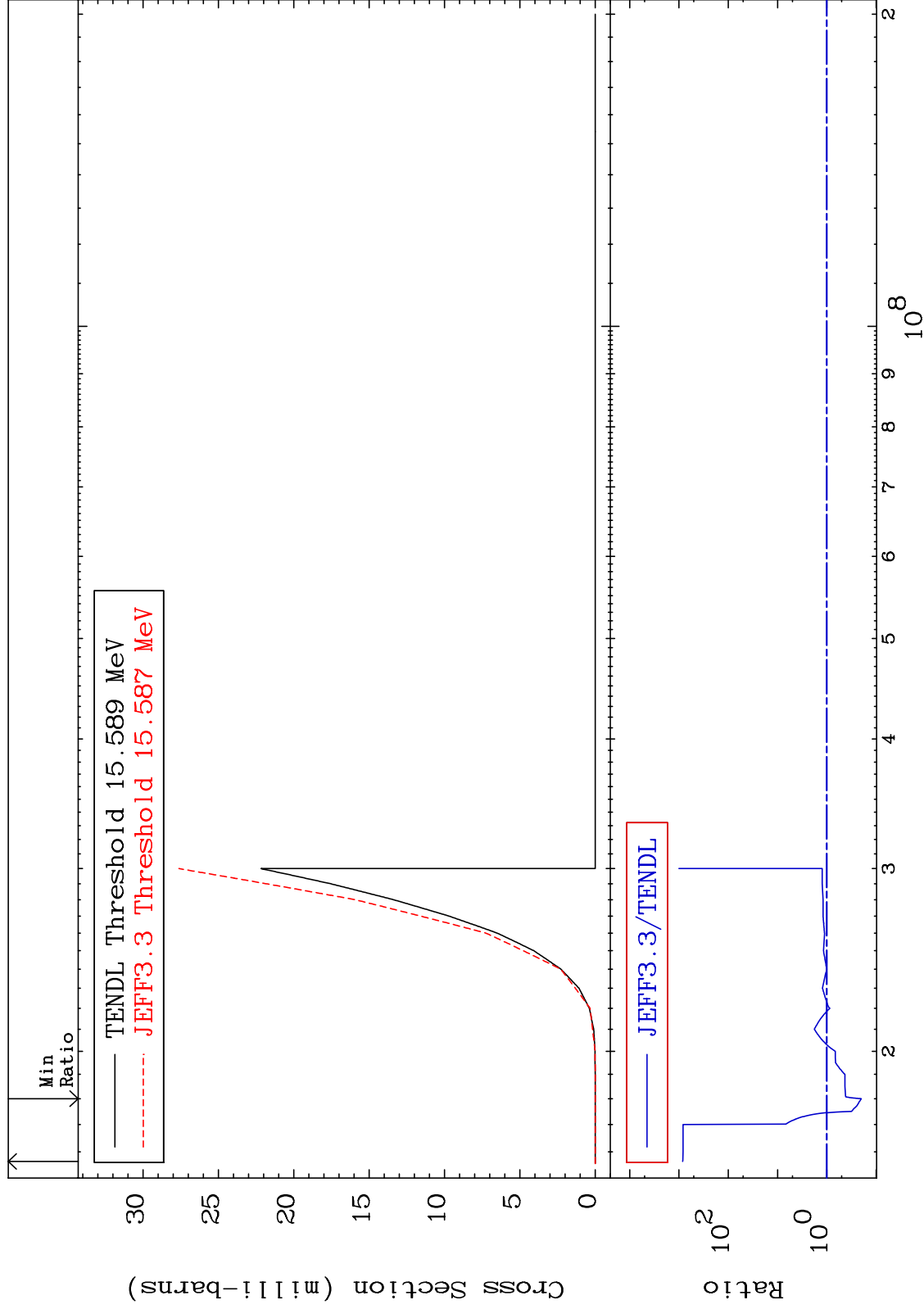


MAT 5325

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

53-I -127

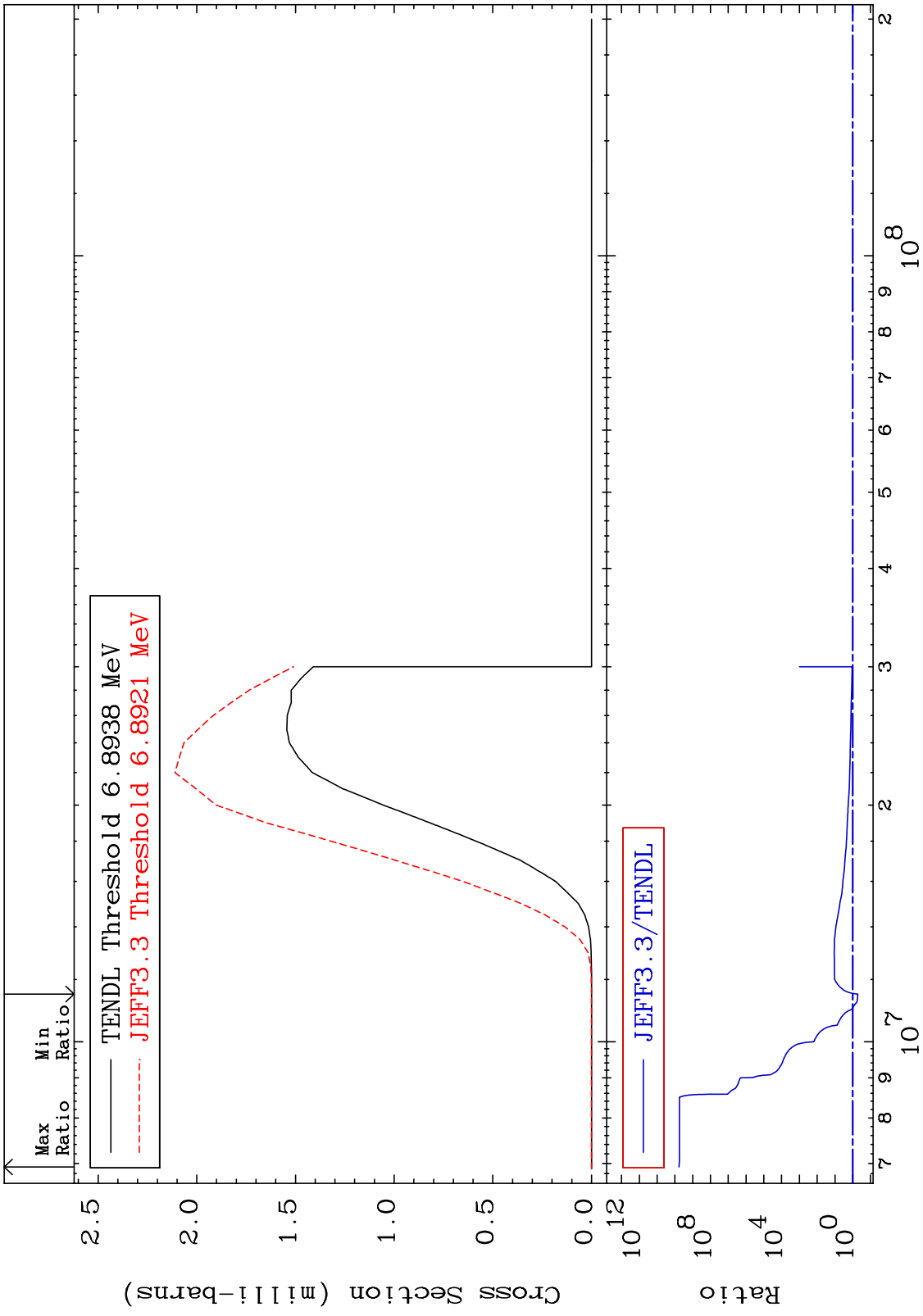
Radionuclide Production Cross Section -80.03 To 9999. %

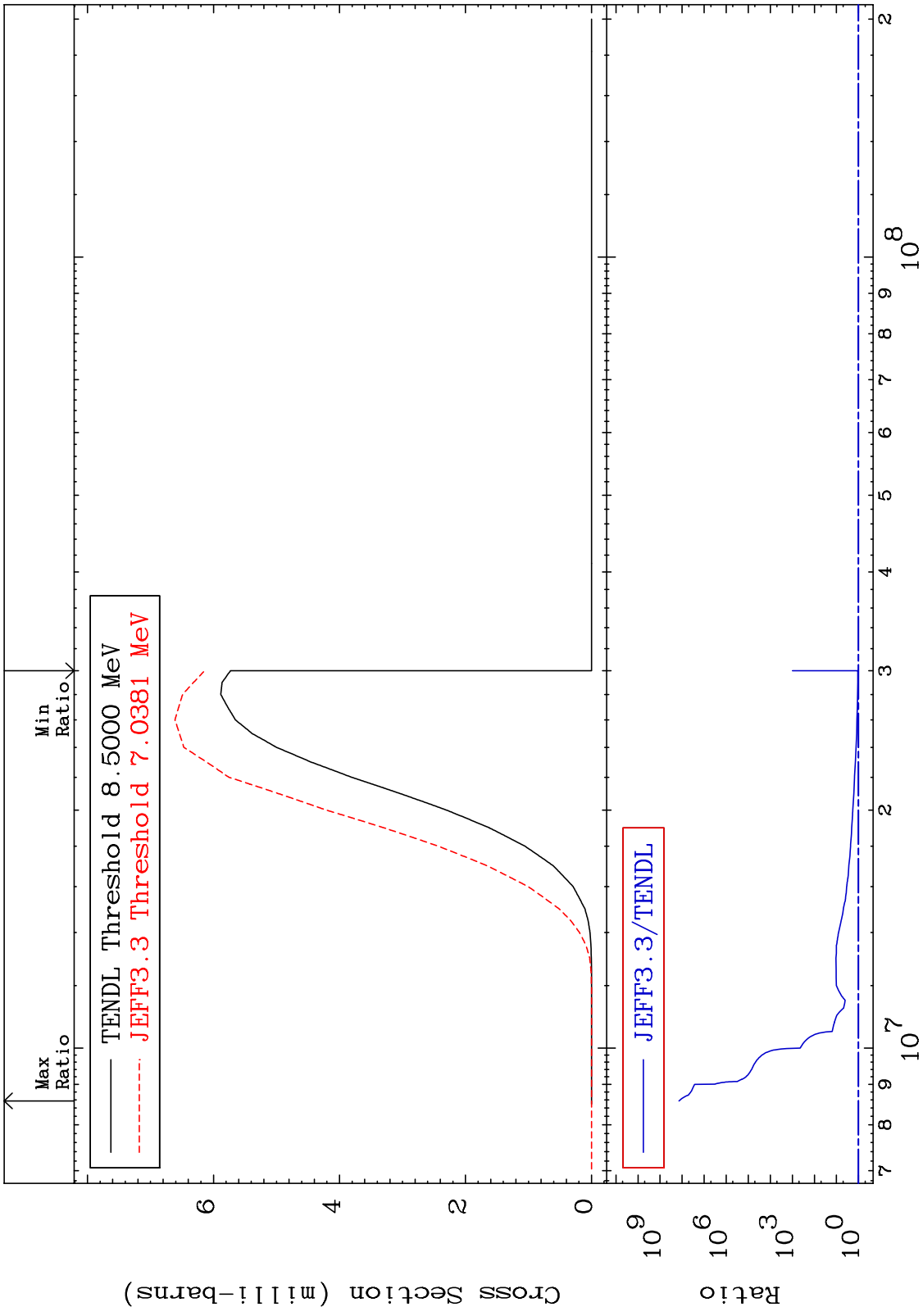


70

Incident Energy (eV)

53-I -127



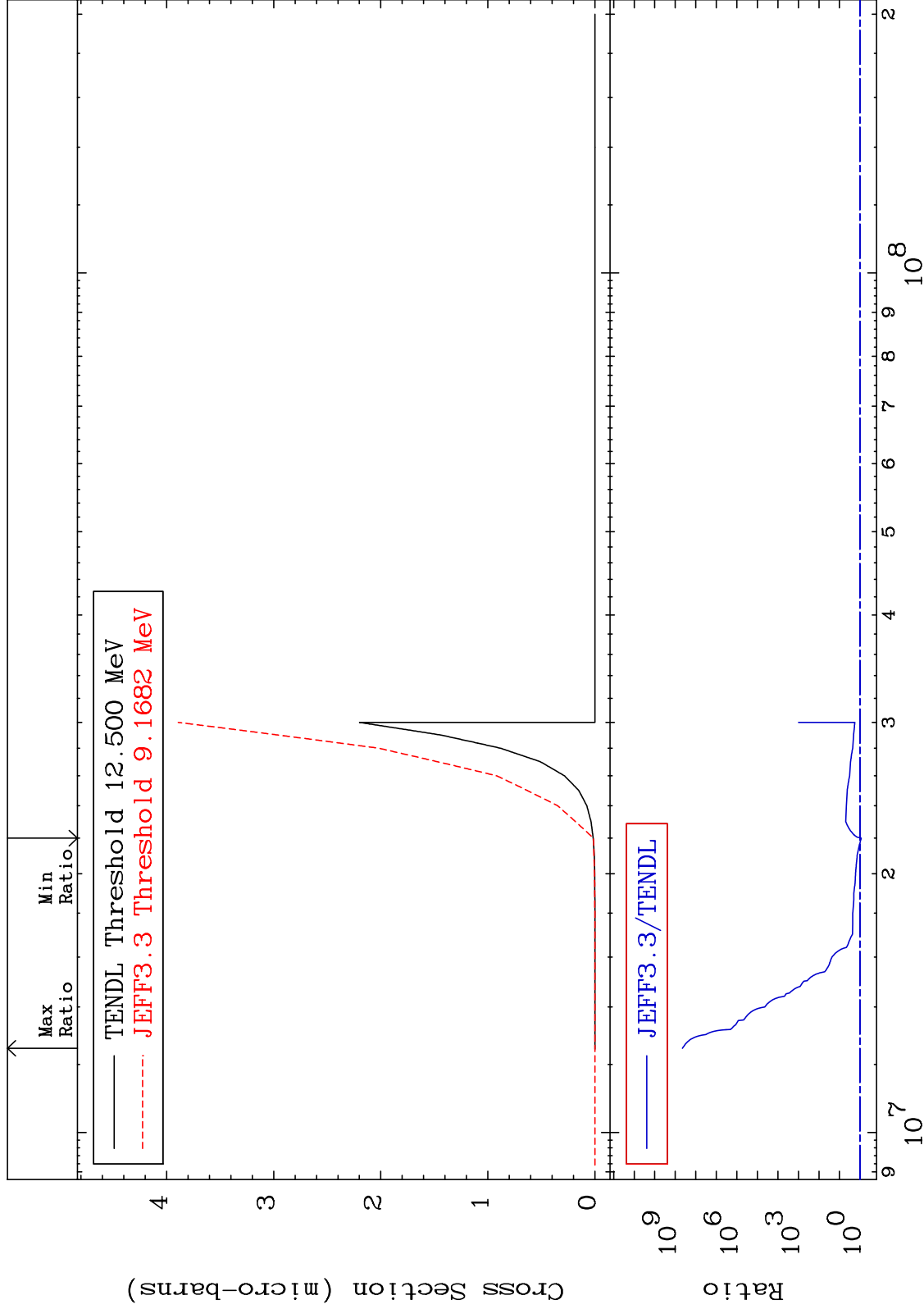


MAT 5325

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

53-I -127

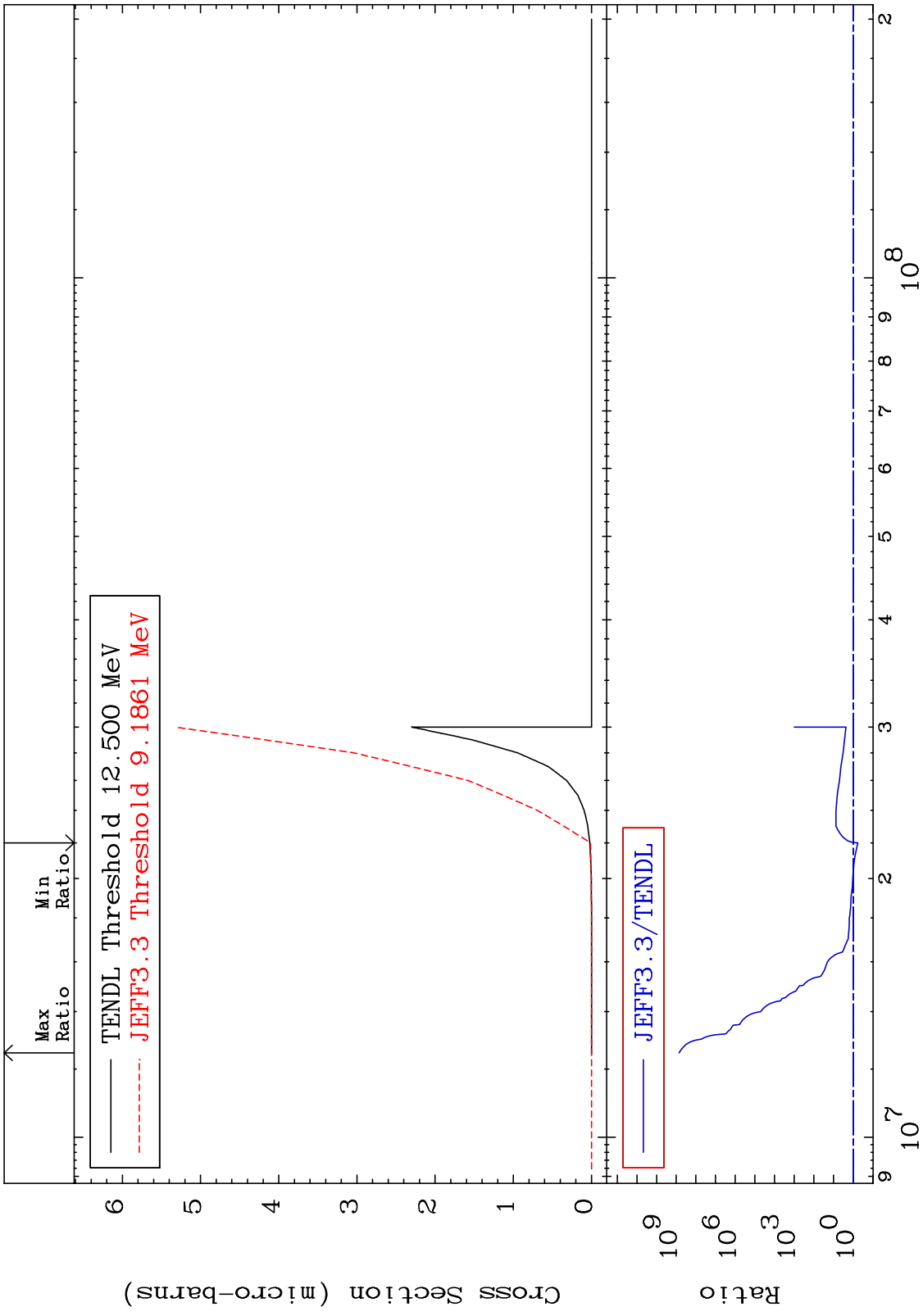
Radionuclide Production Cross Section -13.59 To 9999. %



73

Incident Energy (eV)

53-I -127

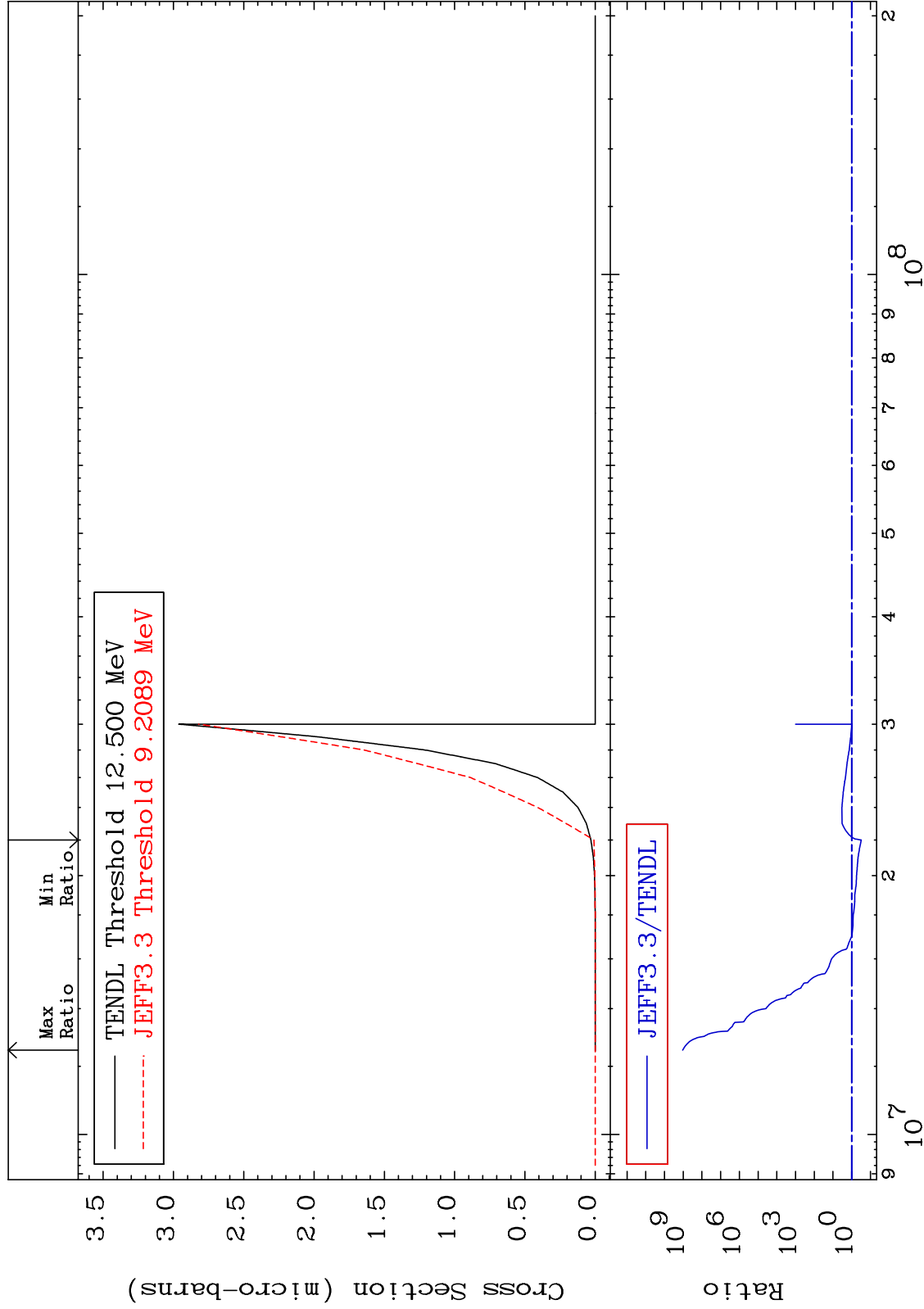


MAT 5325

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

53-I -127

Radionuclide Production Cross Section -69.38 To 9999. %



75

Incident Energy (eV)

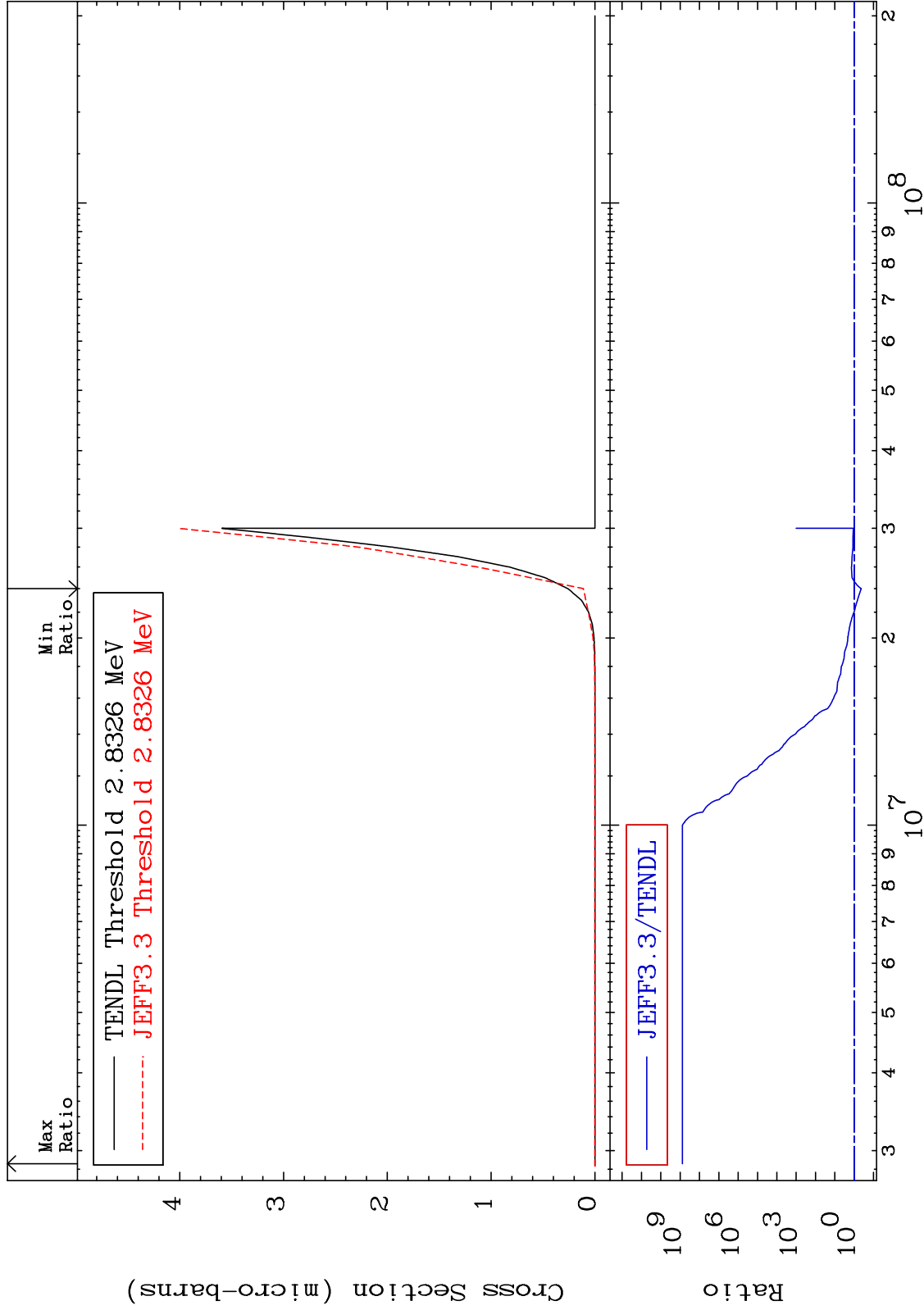
53-I -127

MAT 5325

(n,p) α :50-Sn-123g

53-I -127

Radionuclide Production Cross Section -57.00 To 9999. %



76

Incident Energy (eV)

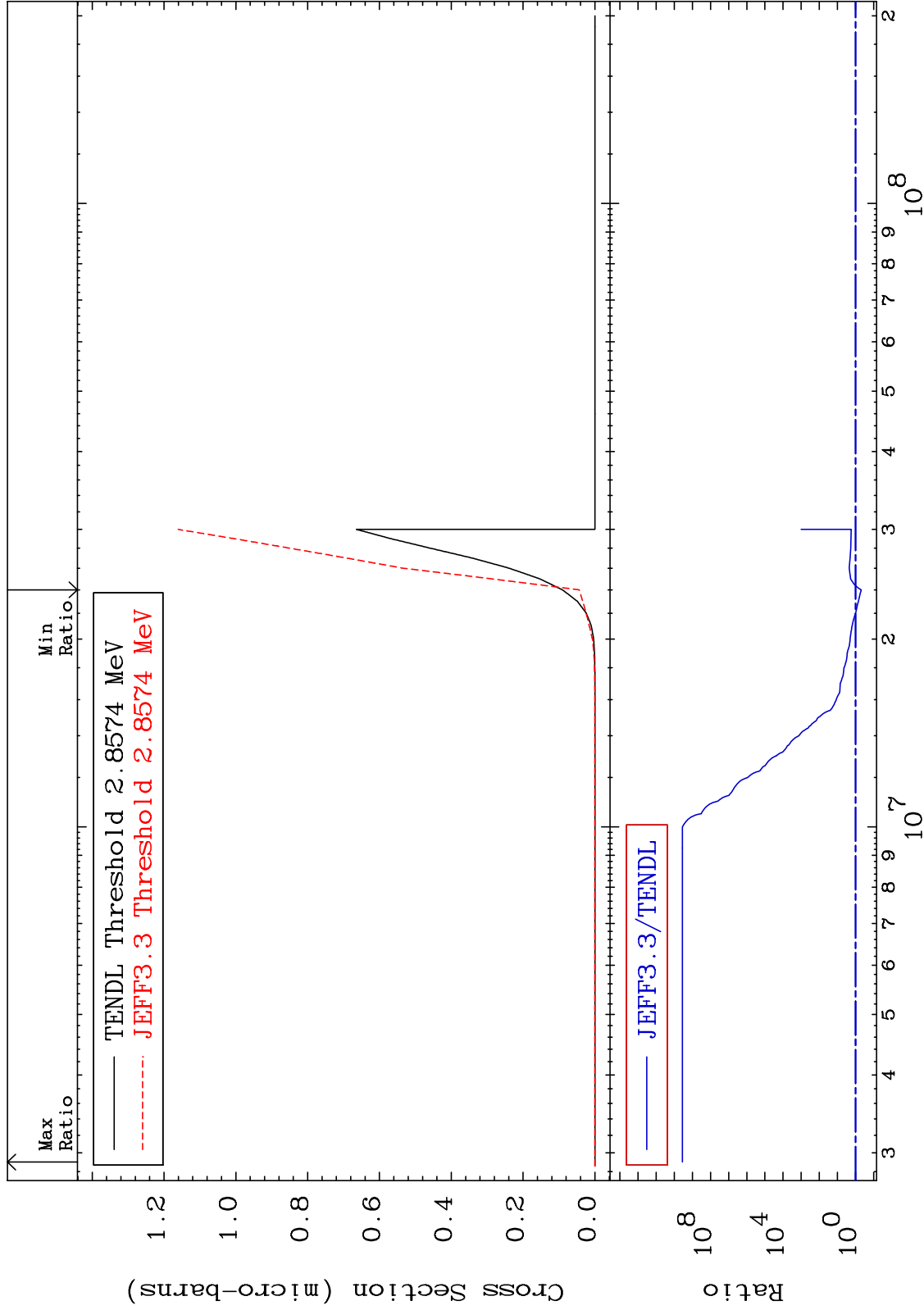
53-I -127

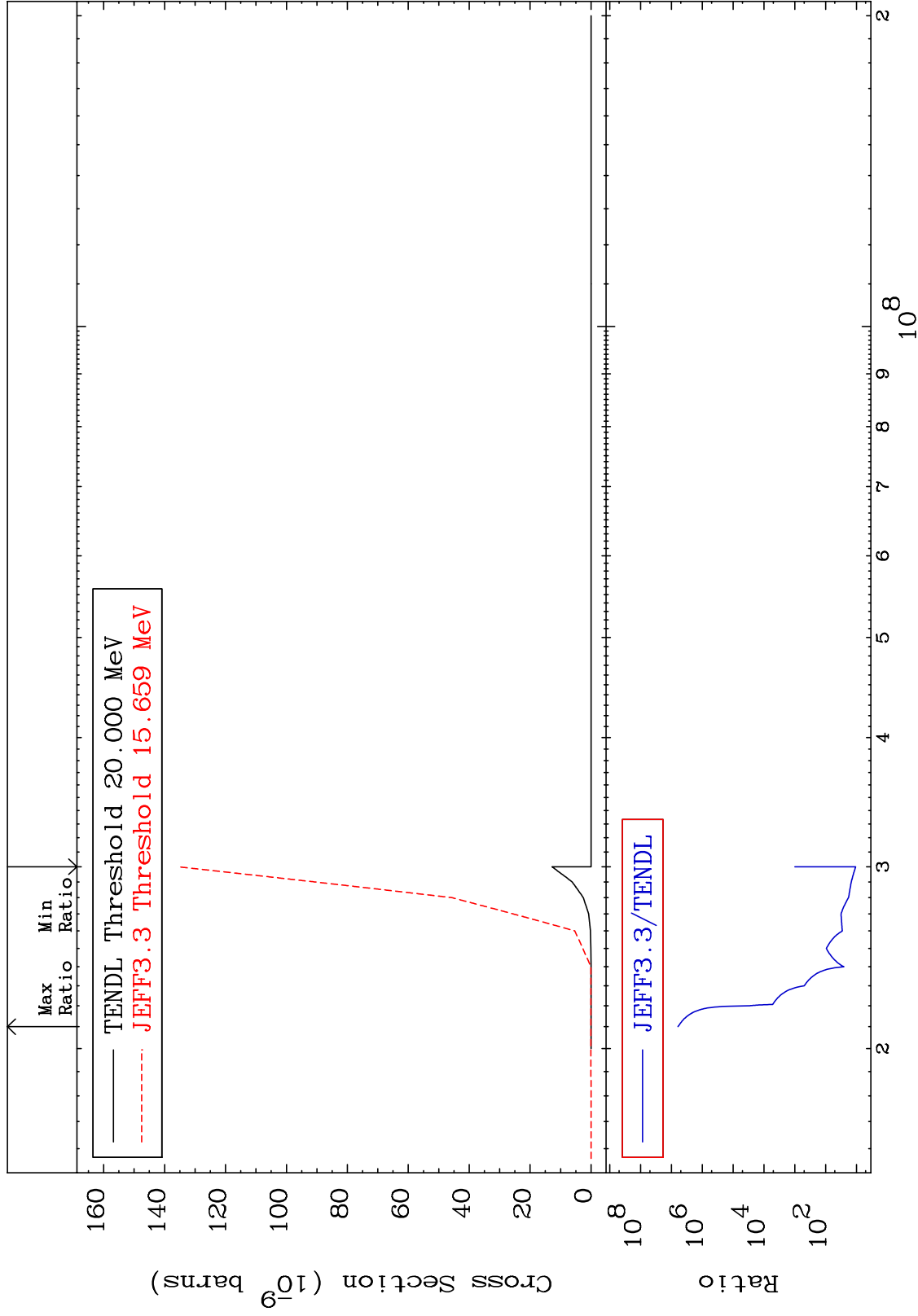
MAT 5325

(n,p) α :50-Sn-123m1

53-I -127

Radionuclide Production Cross Section -51.73 To 9999. %



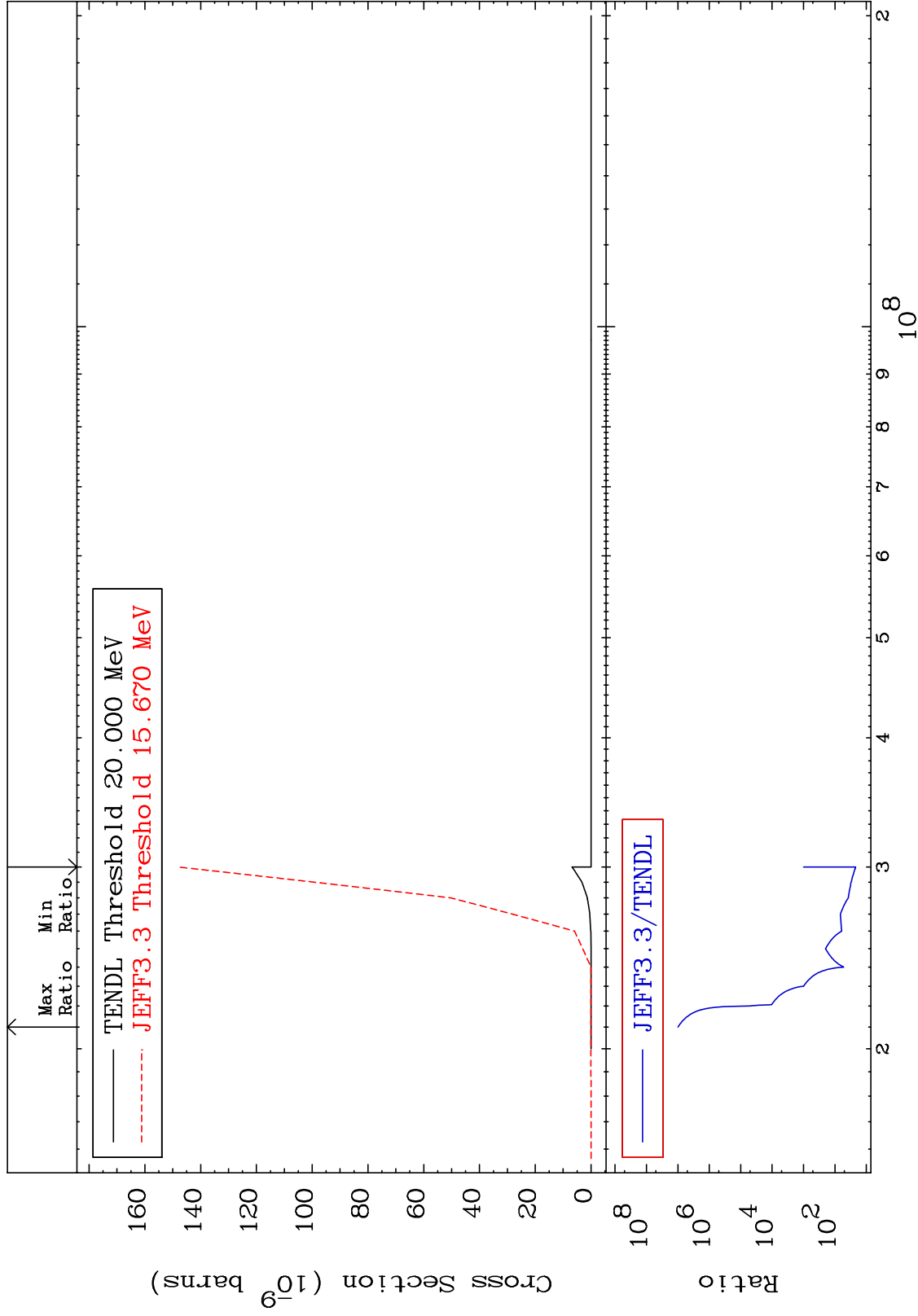


MAT 5325

(n,p) t:51-Sb-124m1

53-I -127

Radionuclide Production Cross Section 2079. To 9999. %



MAT 5325

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

53-I -127

Radionuclide Production Cross Section 1146. To 9999. %

