

Program Complot
(Version 2018-1)

by

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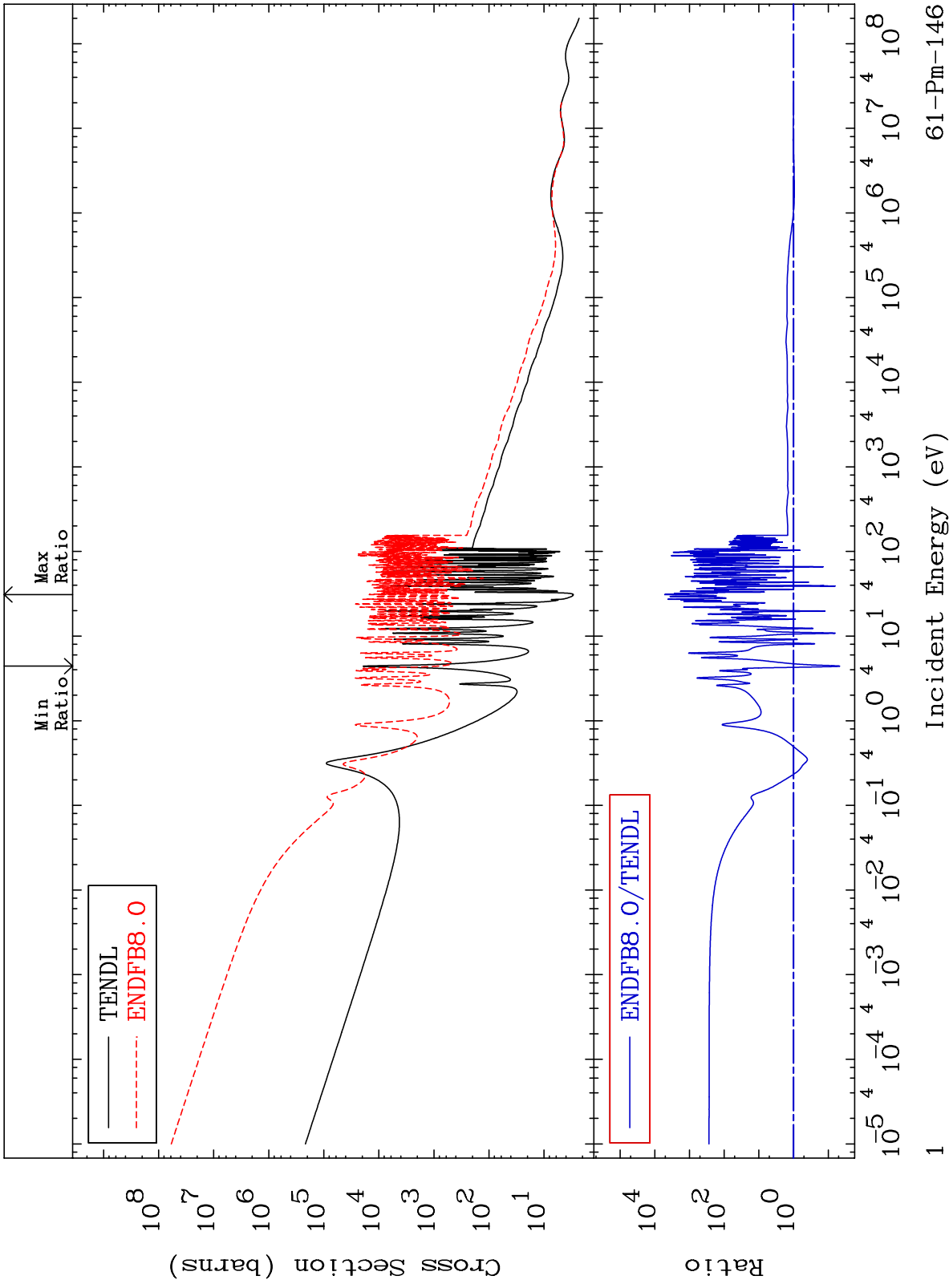
Press Mouse Button to Start

MAT 6146

61-Pm-146

-95.33 To 9999. %

Total
Cross Section



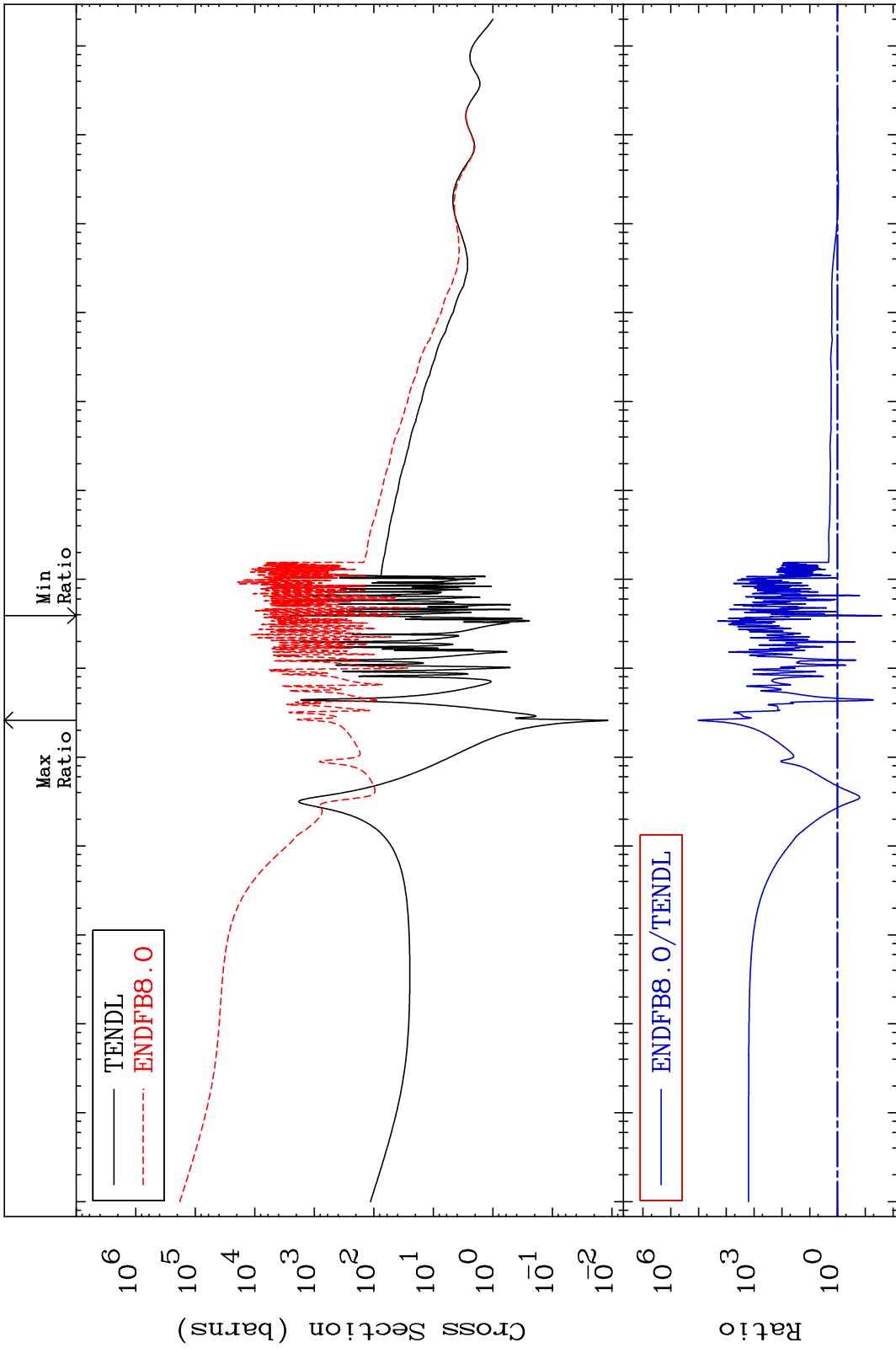
MAT 6146

Elastic

61-Pm-146

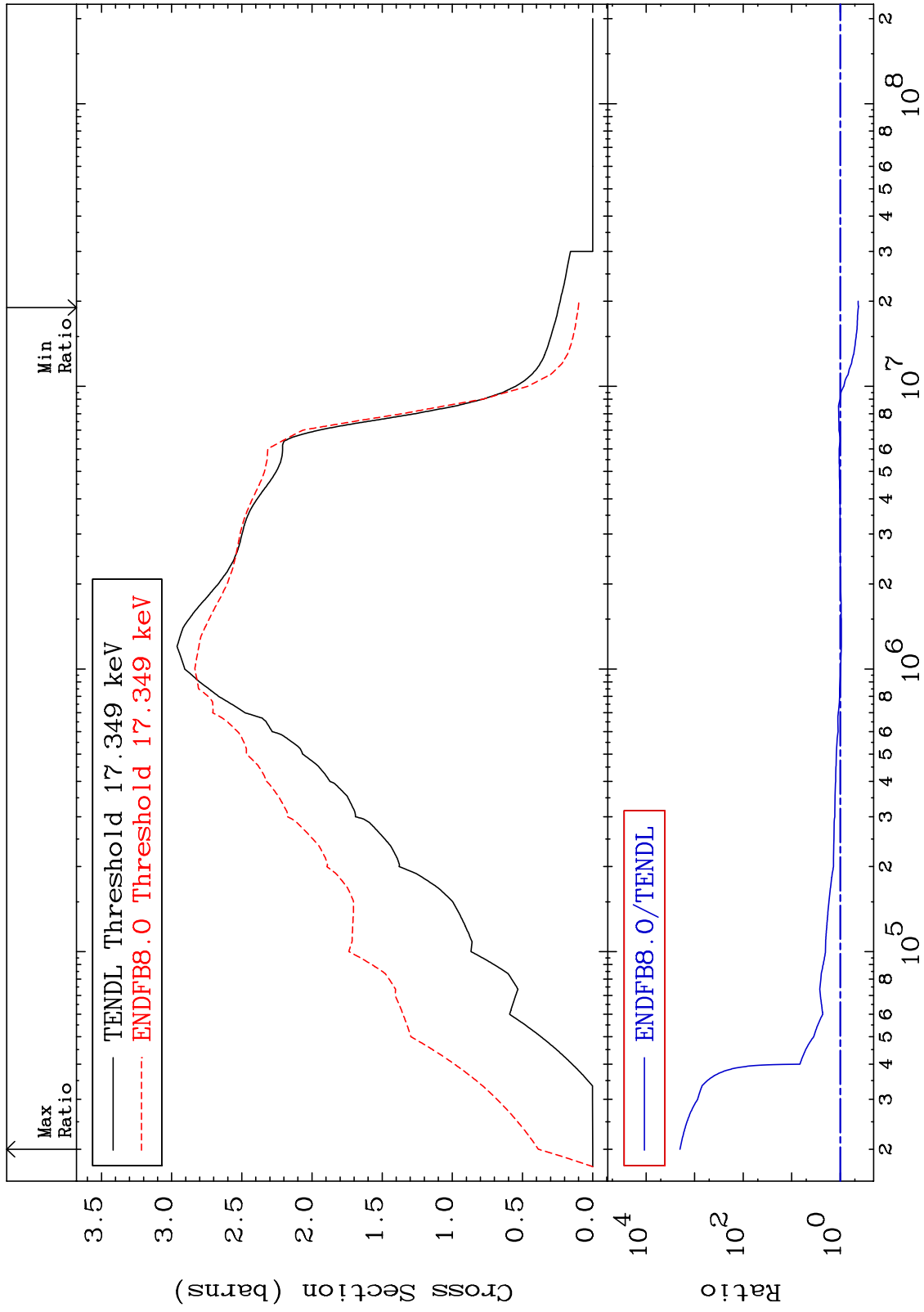
-97.39 To 9999. %

Cross Section



61-Pm-146

Incident Energy (eV)



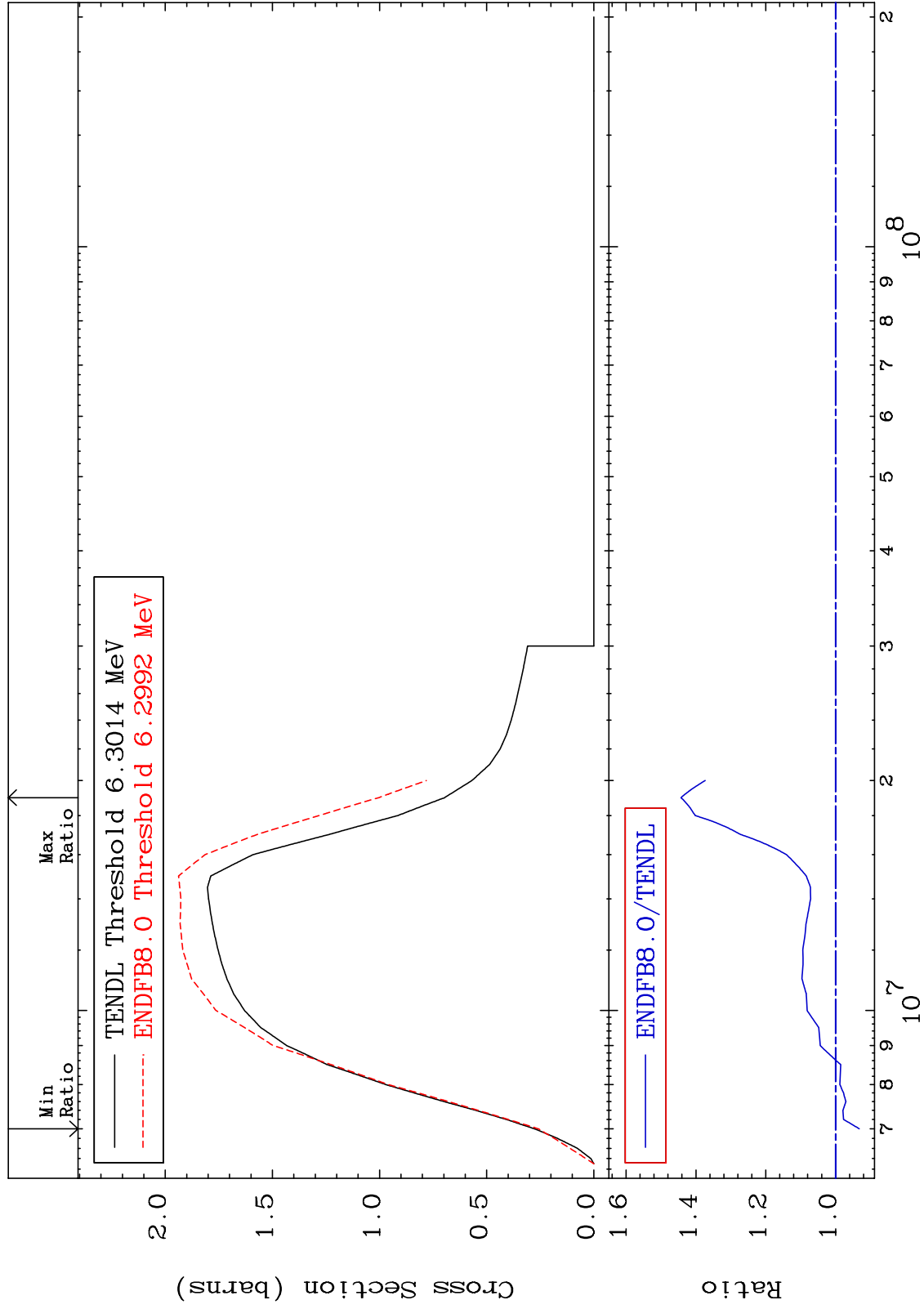
MAT 6146

(n,2n)

61-Pm-146

Cross Section

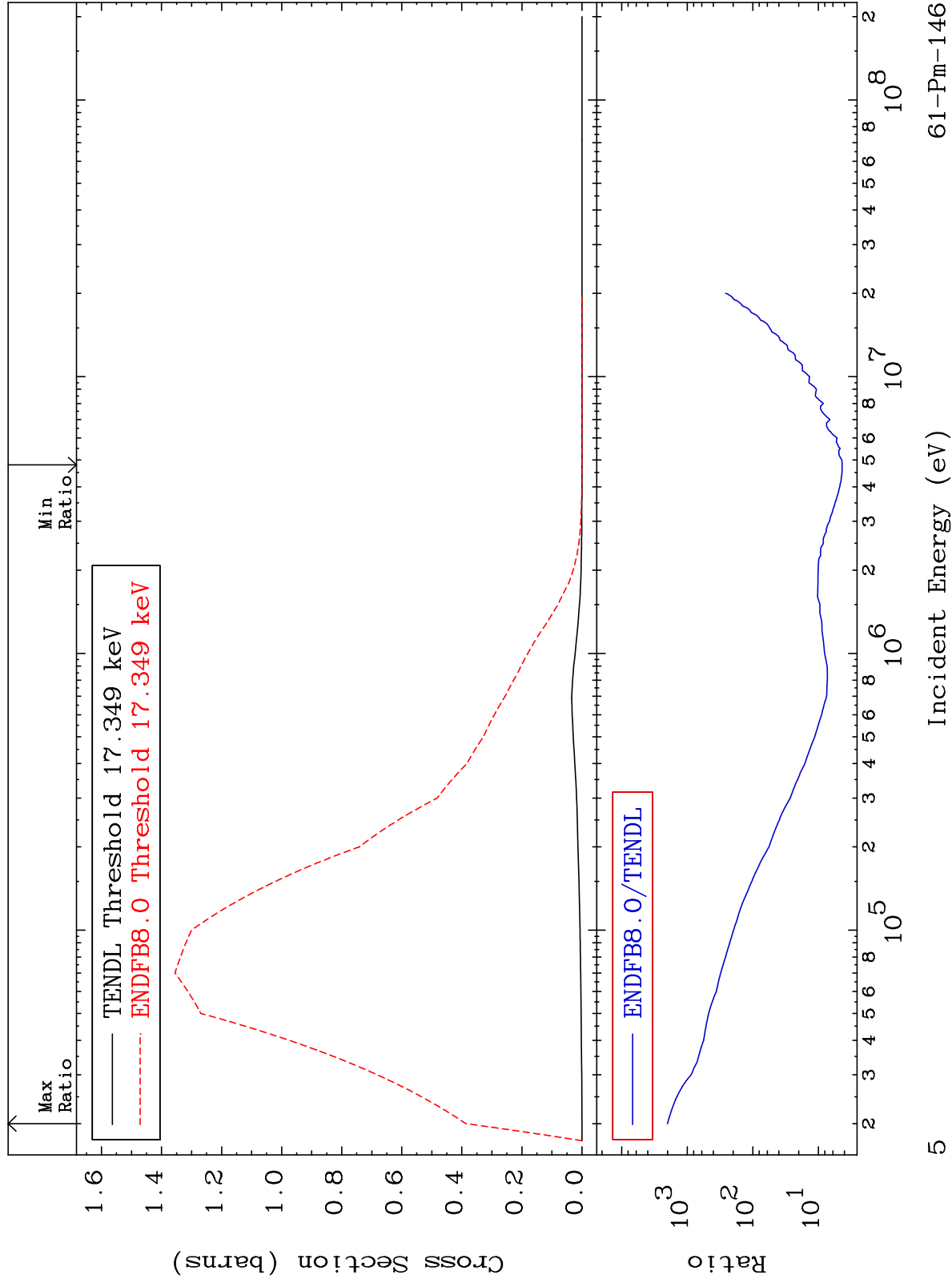
-6.775 To 44.26 %



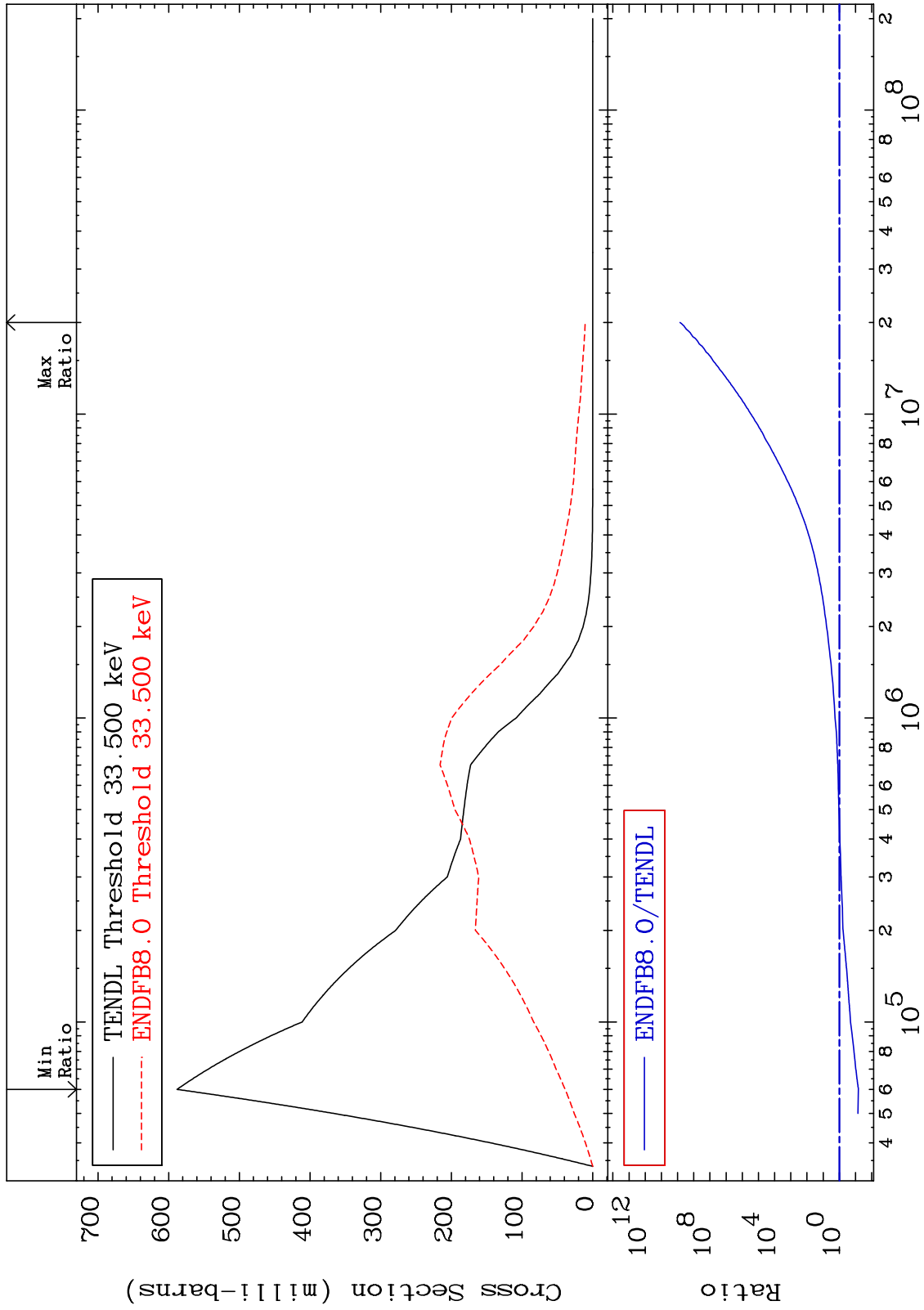
MAT 6146

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

61-Pm-146
334.1 To 9999. %



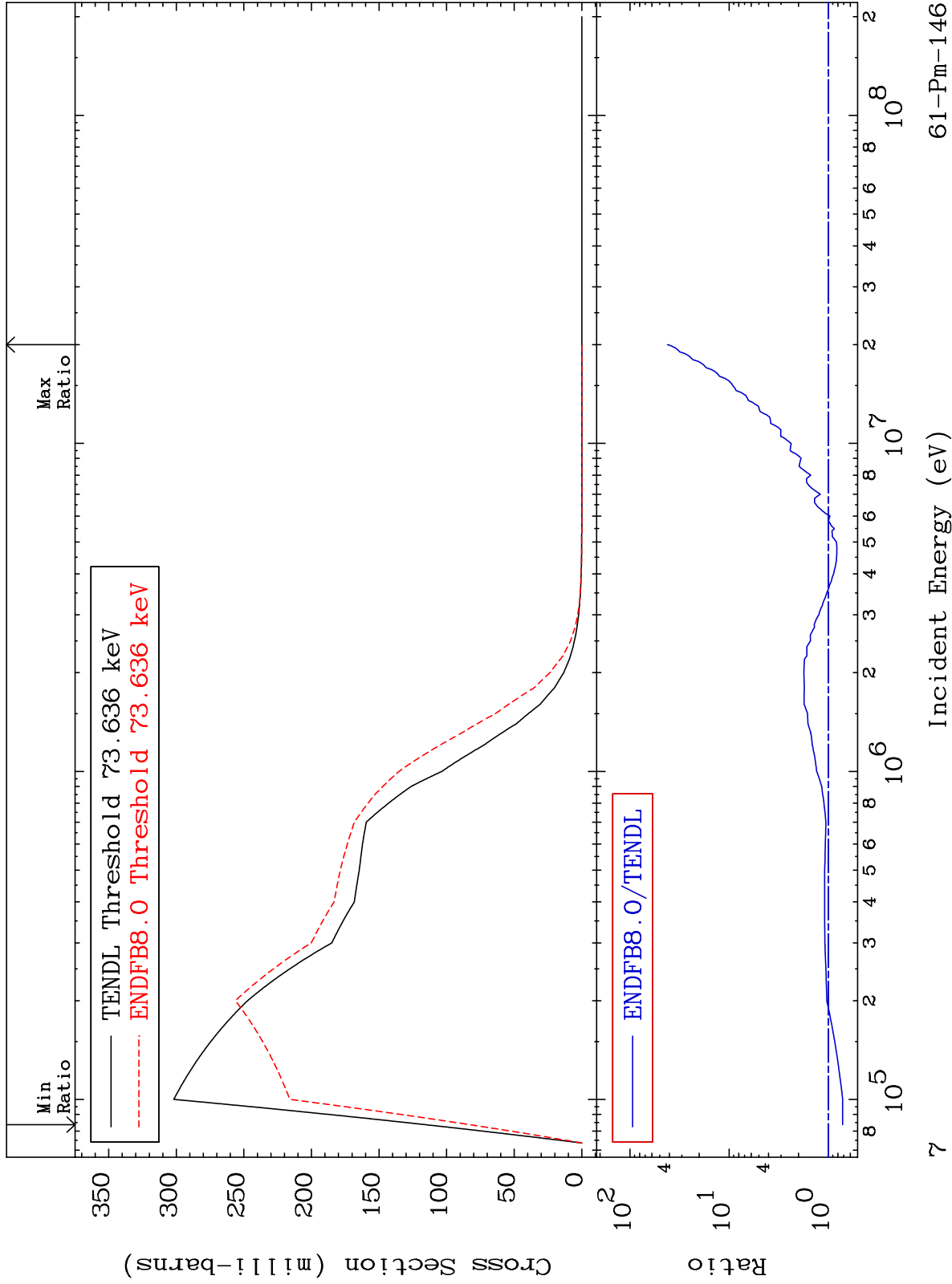
MAT 6146 MT= 52 (n,n') Level 61-Pm-146
 Cross Section -93.37 To 9999. %



MAT 6146

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

61-Pm-146
-28.44 To 4076. %



61-Pm-146

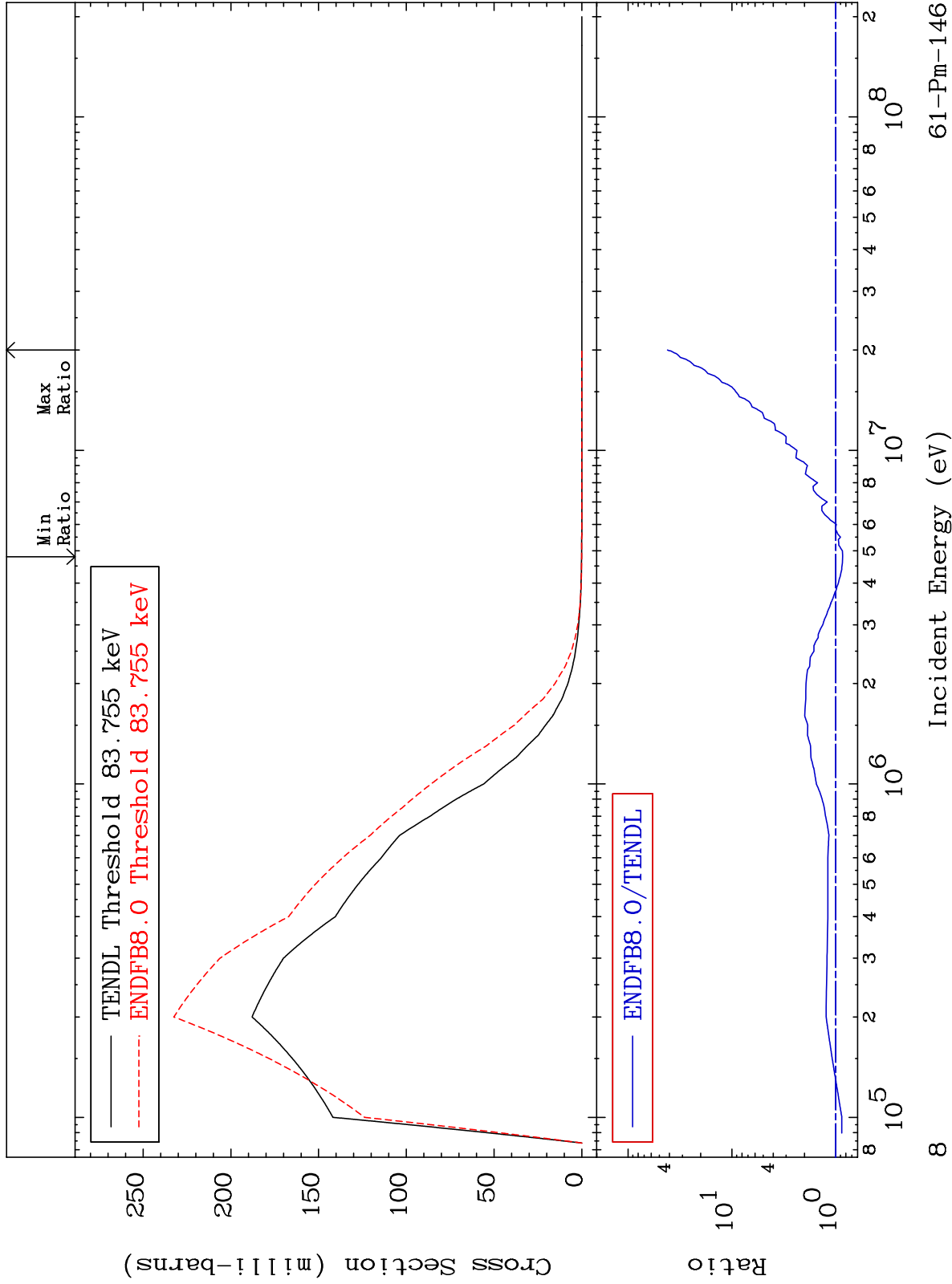
Incident Energy (eV)

7

MAT 6146

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

61-Pm-146
-14.28 To 4072. %

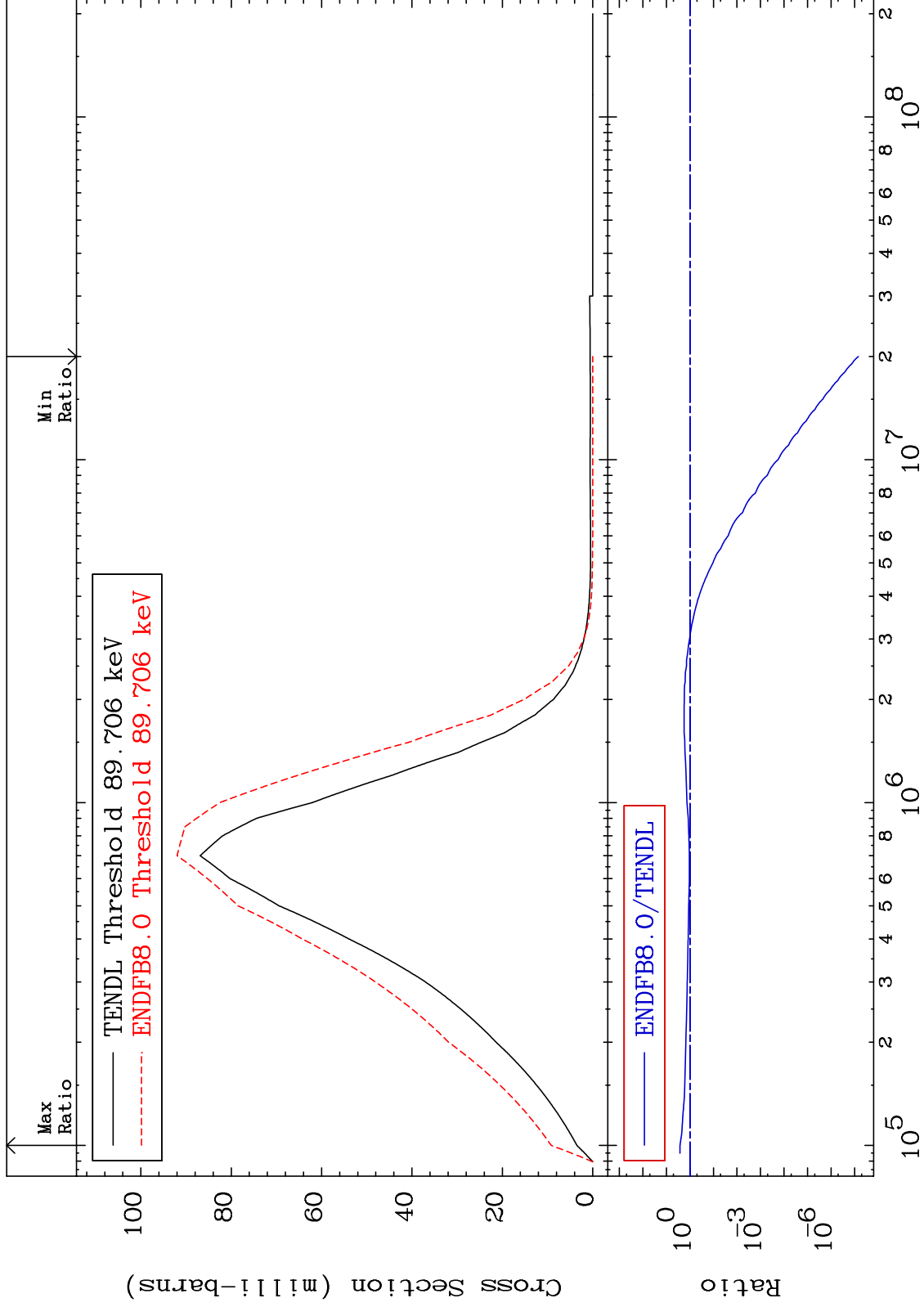


61-Pm-146

MAT 6146

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

61-Pm-146
-100.0 To 163.6 %



9

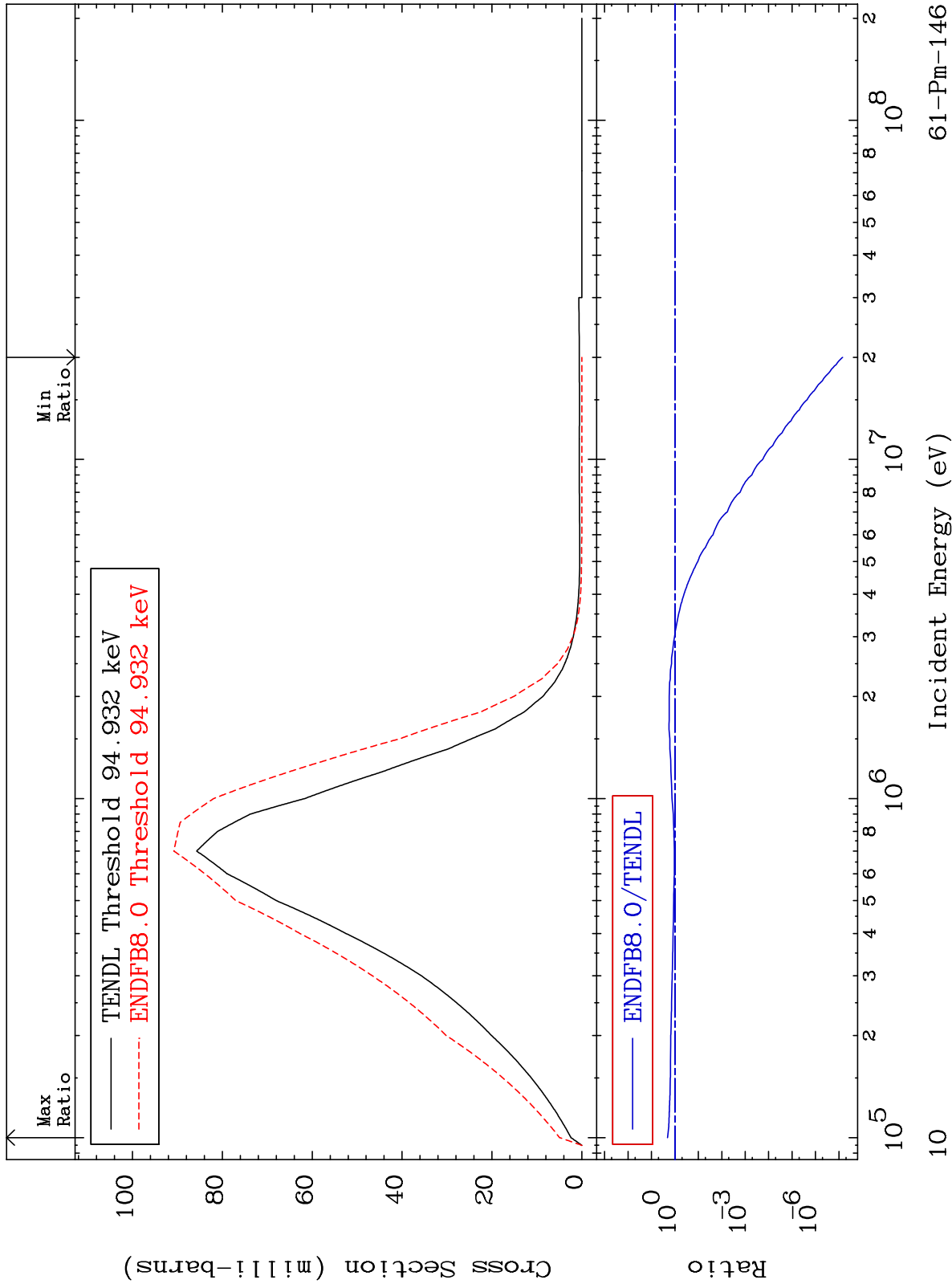
Incident Energy (eV)

61-Pm-146

MAT 6146

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

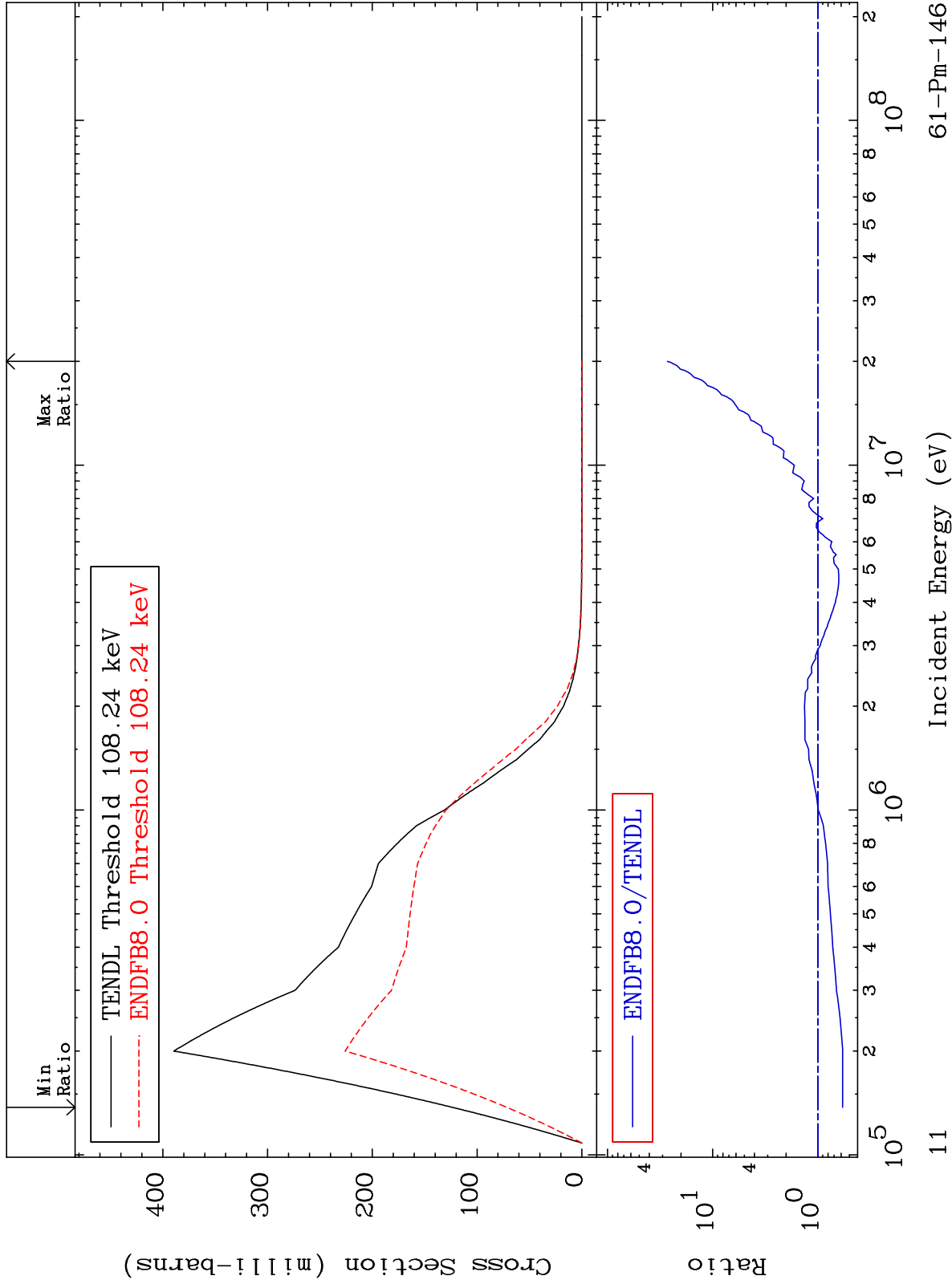
61-Pm-146
-100.0 To 106.1 %



MAT 6146

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

61-Pm-146
-42.00 To 2587. %

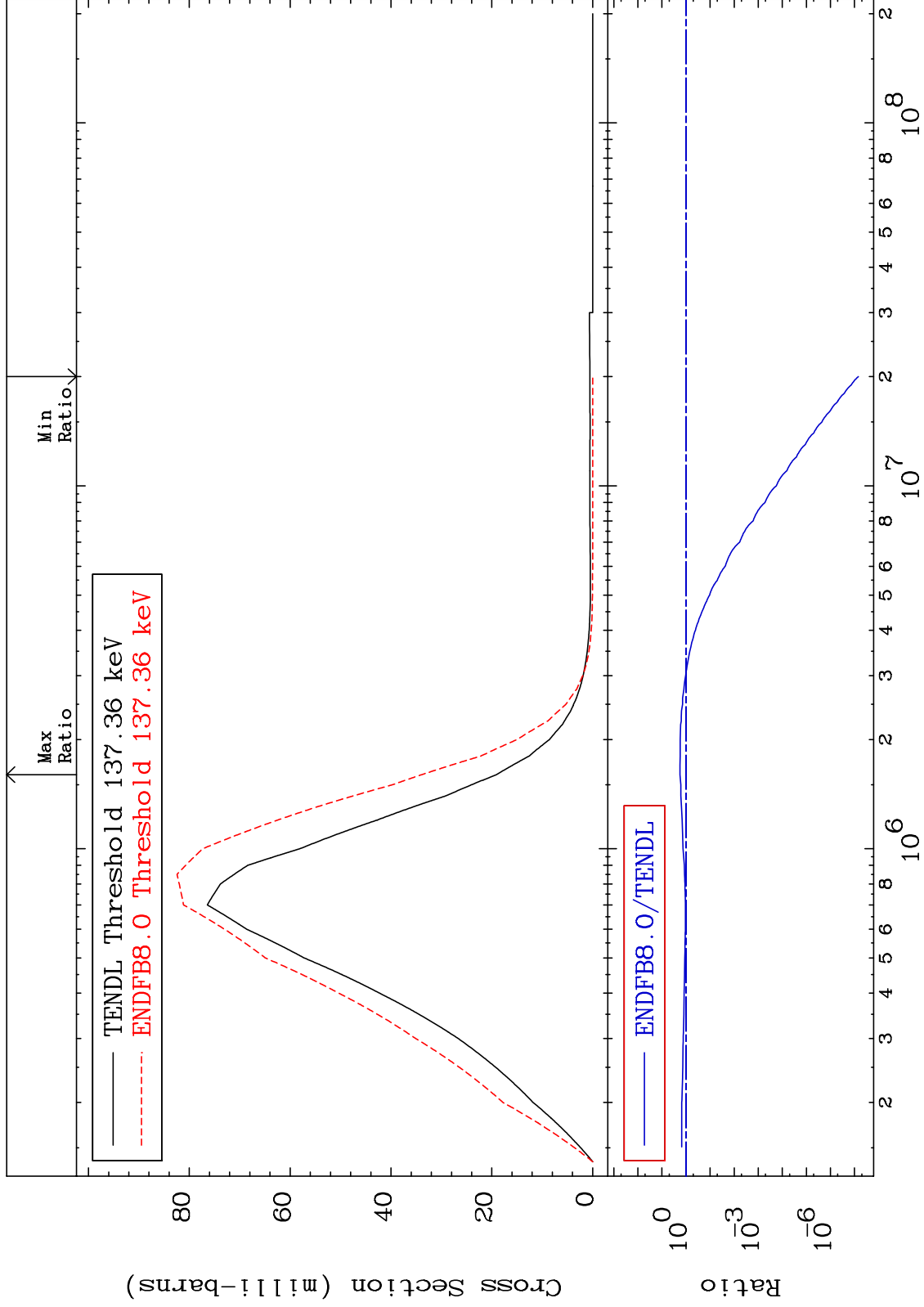


61-Pm-146

MAT 6146

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

61-Pm-146
-100.0 To 77.62 %



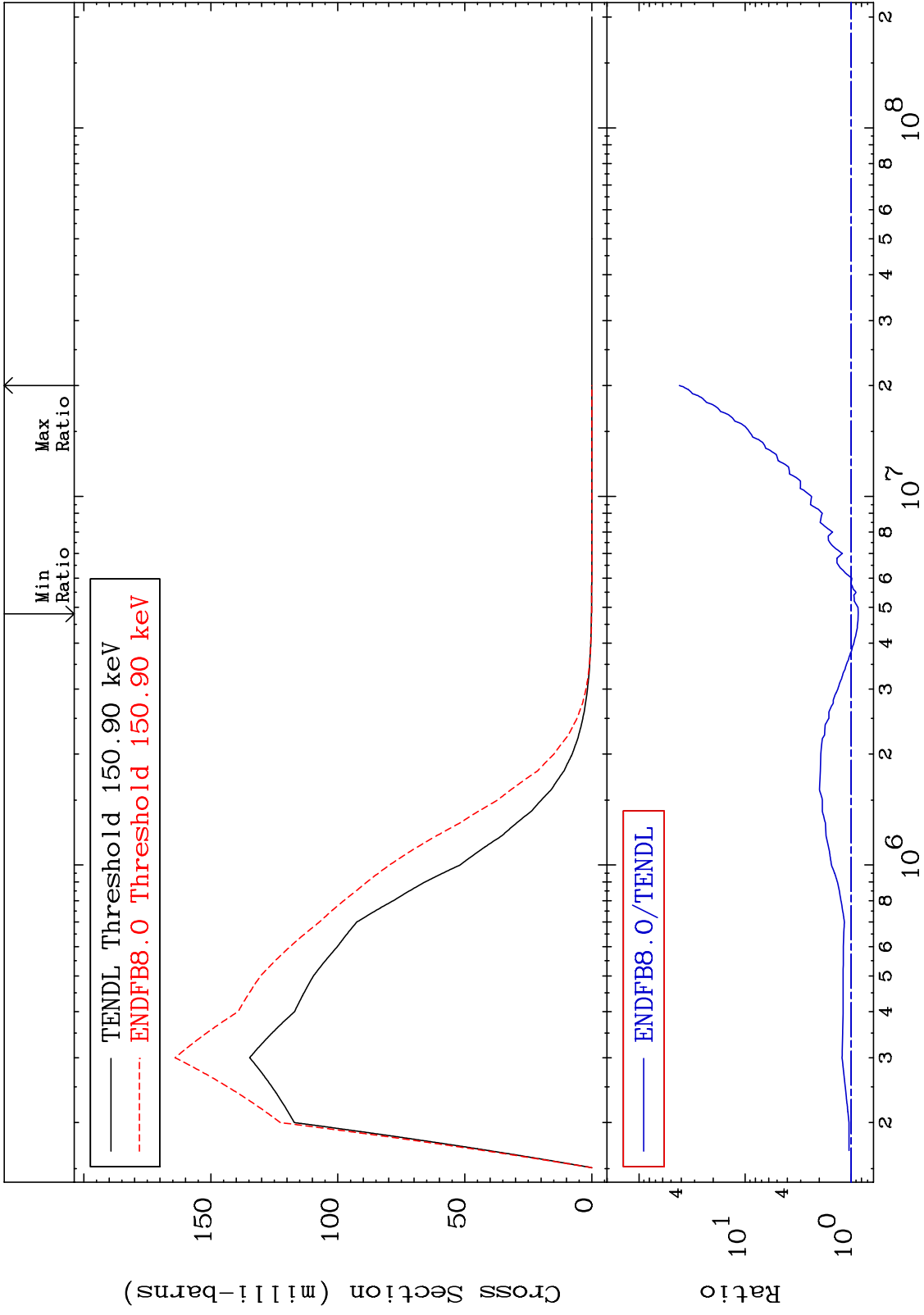
MAT 6146

MT= 59 (n, n') Level

61-Pm-146

-14.22 To 4072. %

Cross Section

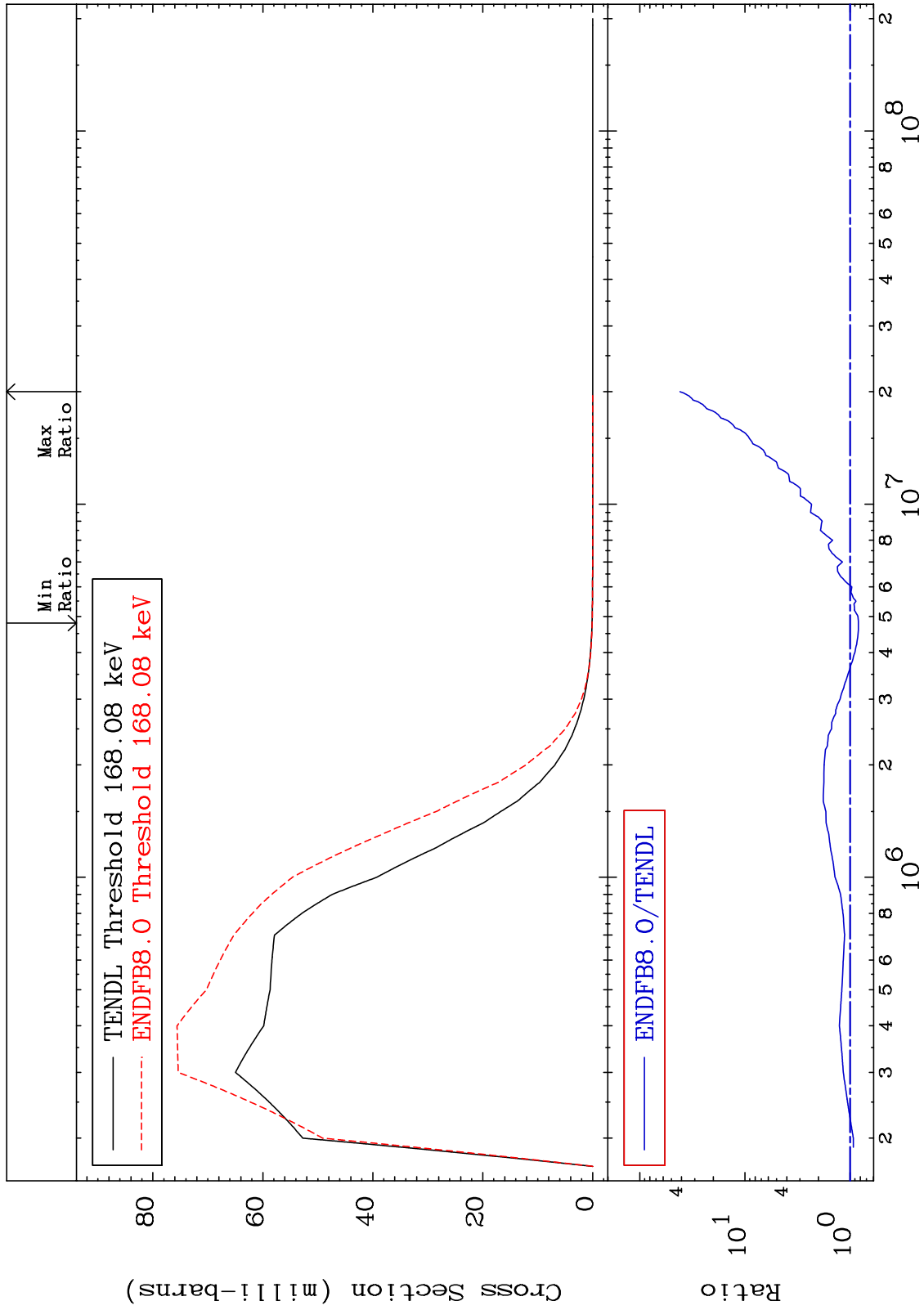


Incident Energy (eV)

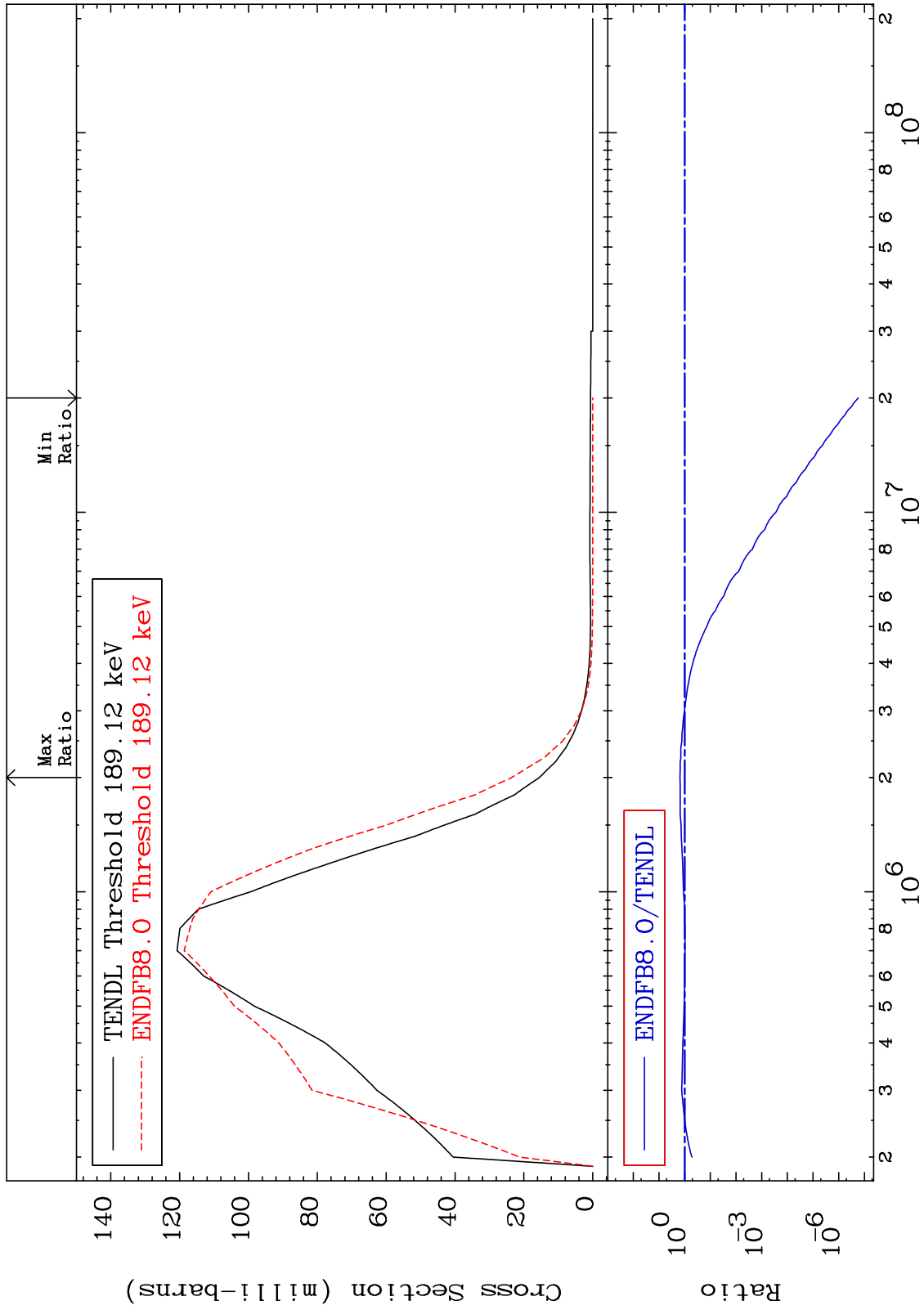
61-Pm-146

13

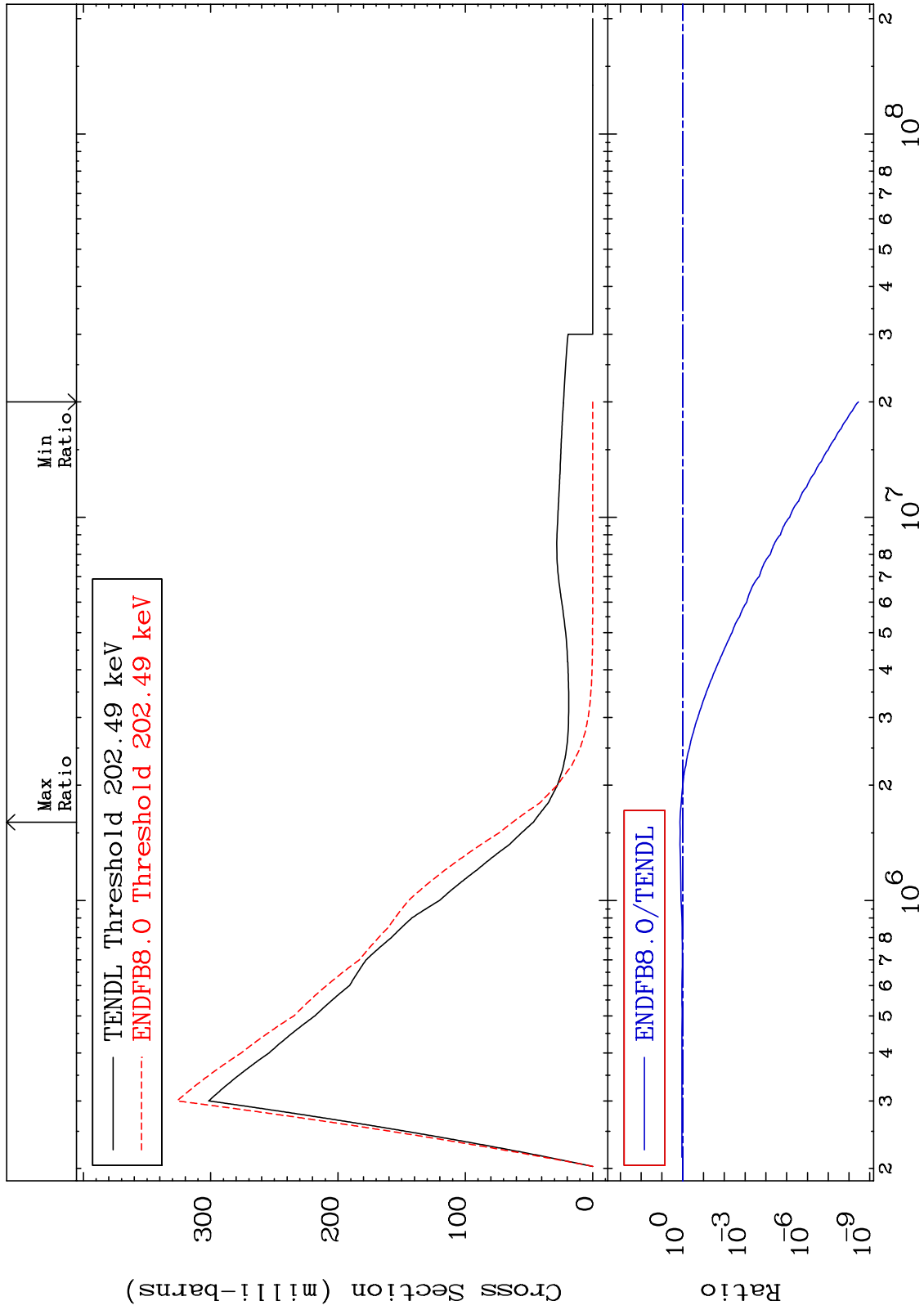
MAT 6146 MT= 60 (n,n') Level 61-Pm-146
 Cross Section -16.62 To 4038. %



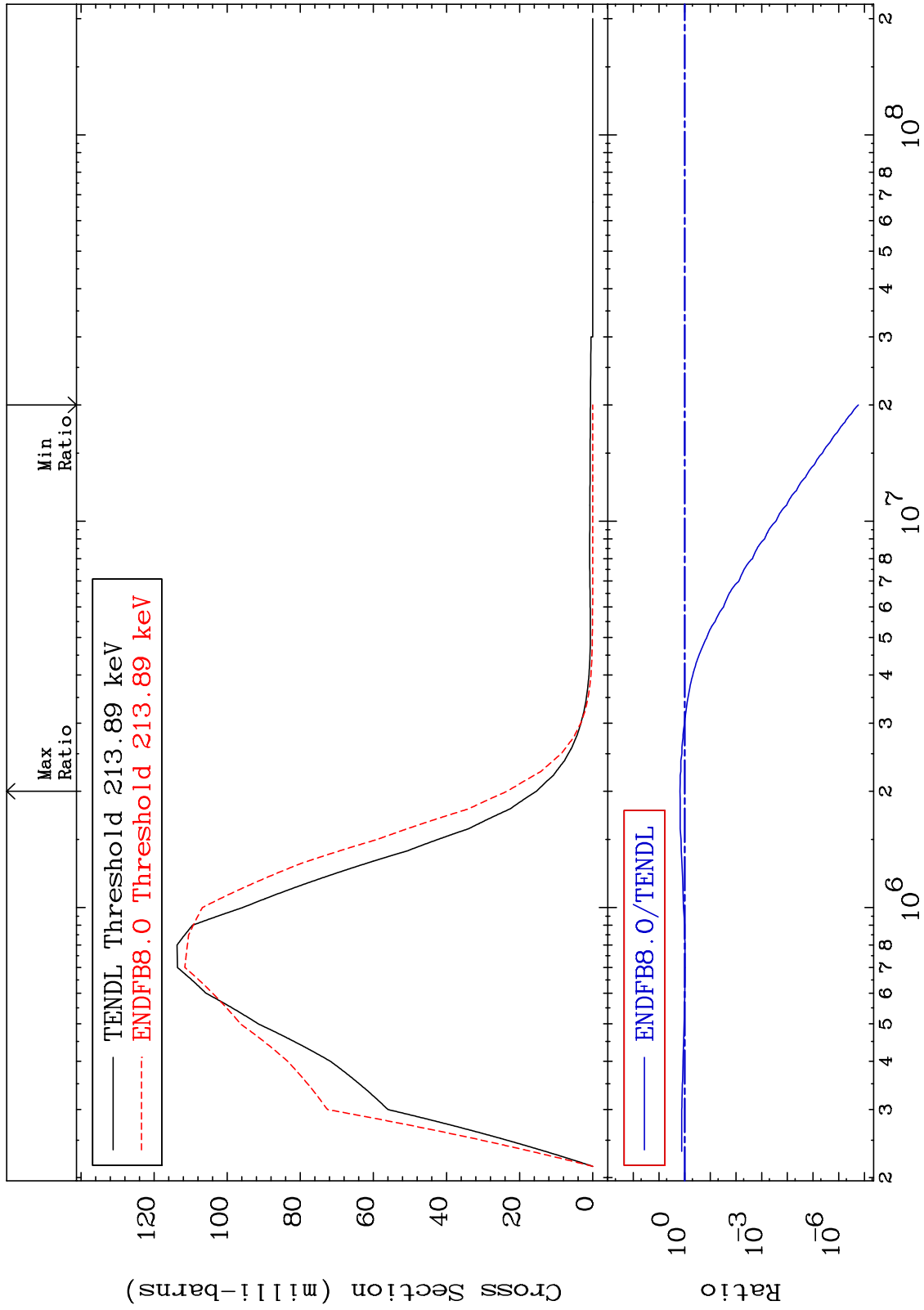
MAT 6146 MT= 61 (n,n') Level Cross Section 61-Pm-146 -100.0 To 51.76 %



MAT 6146 MT= 62 (n,n') Level Cross Section 61-Pm-146 -100.0 To 34.76 %



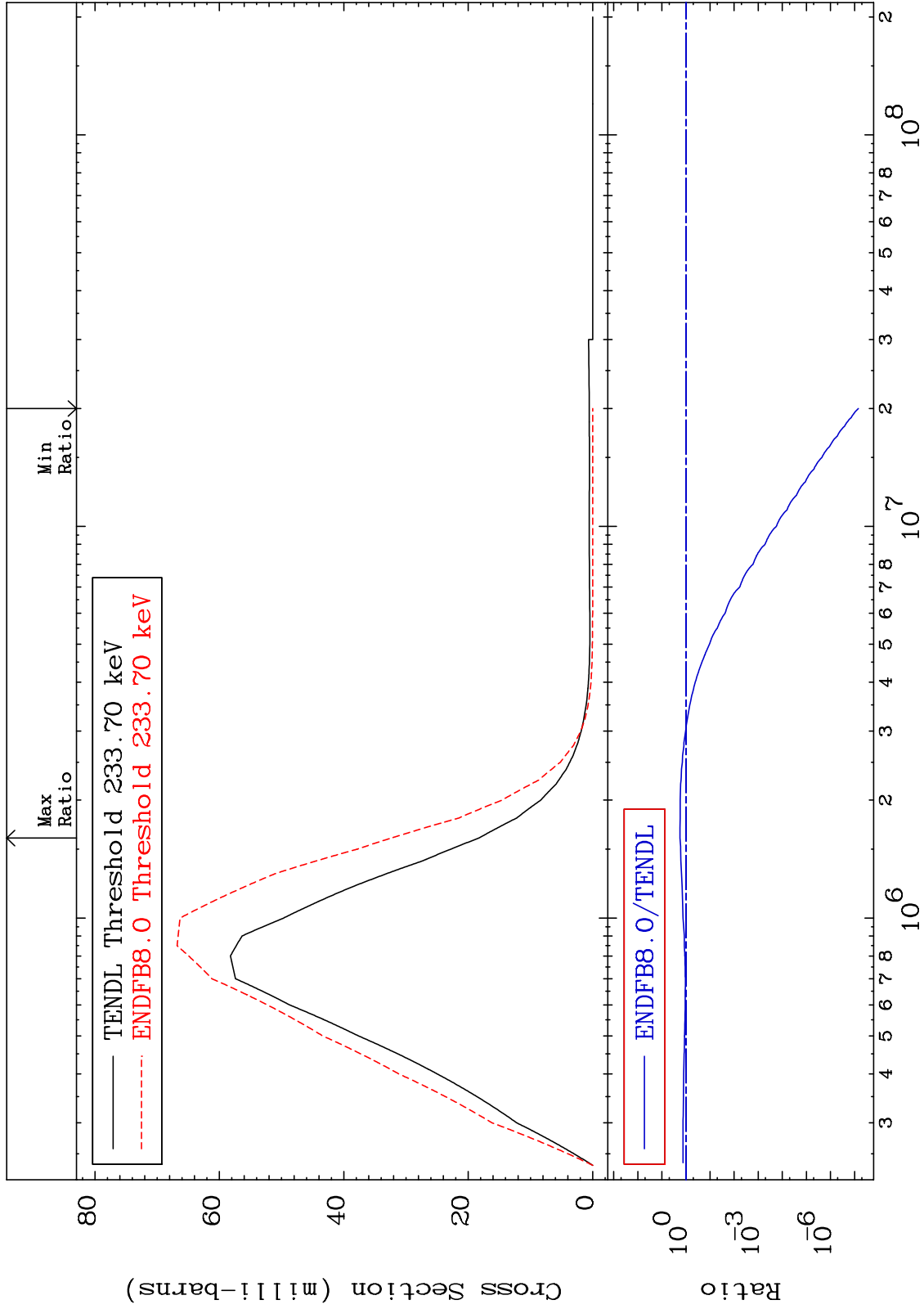
MAT 6146 MT= 63 (n,n') Level Cross Section 61-Pm-146
 -100.0 To 51.71 %



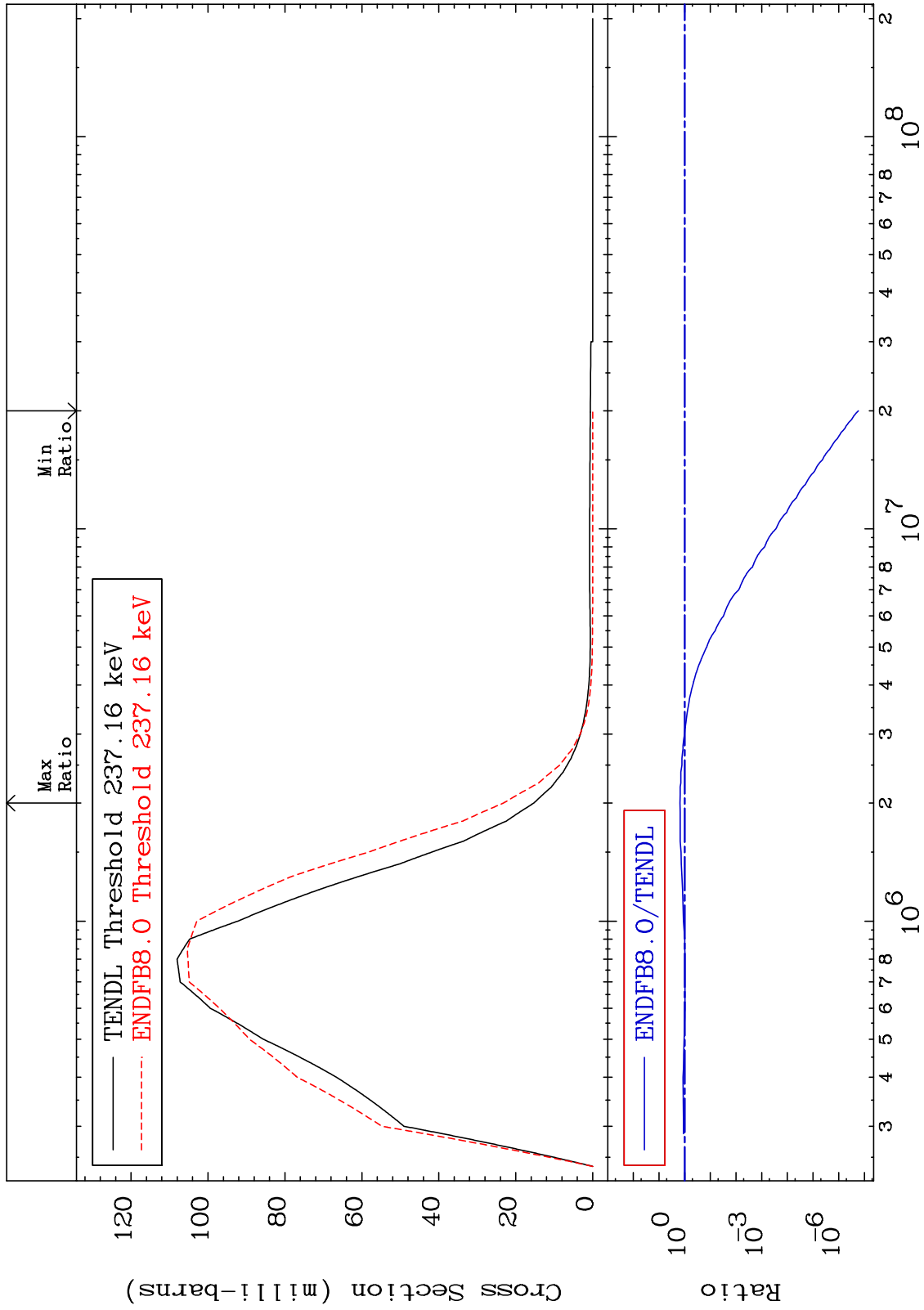
MAT 6146

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

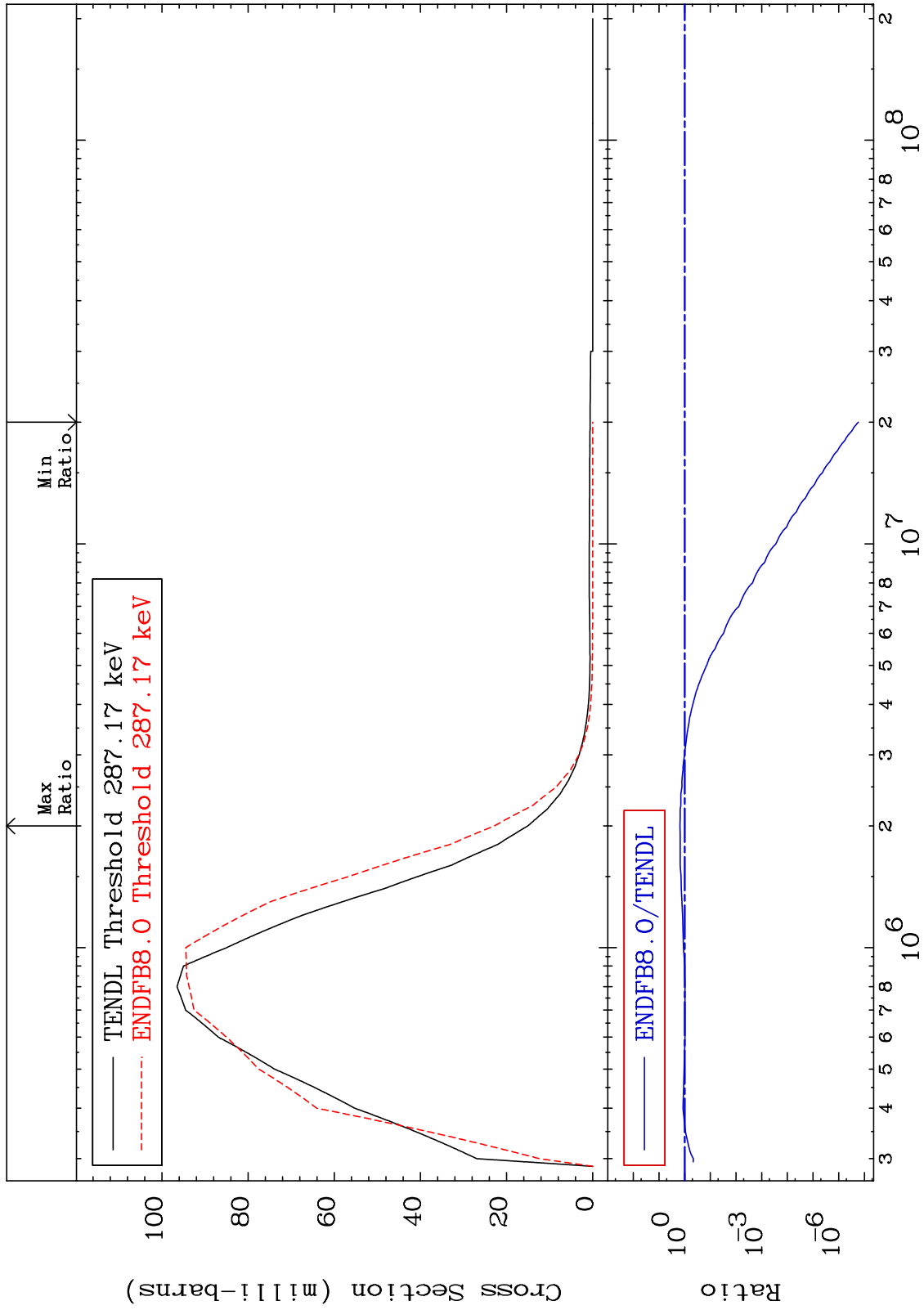
61-Pm-146
-100.0 To 76.96 %



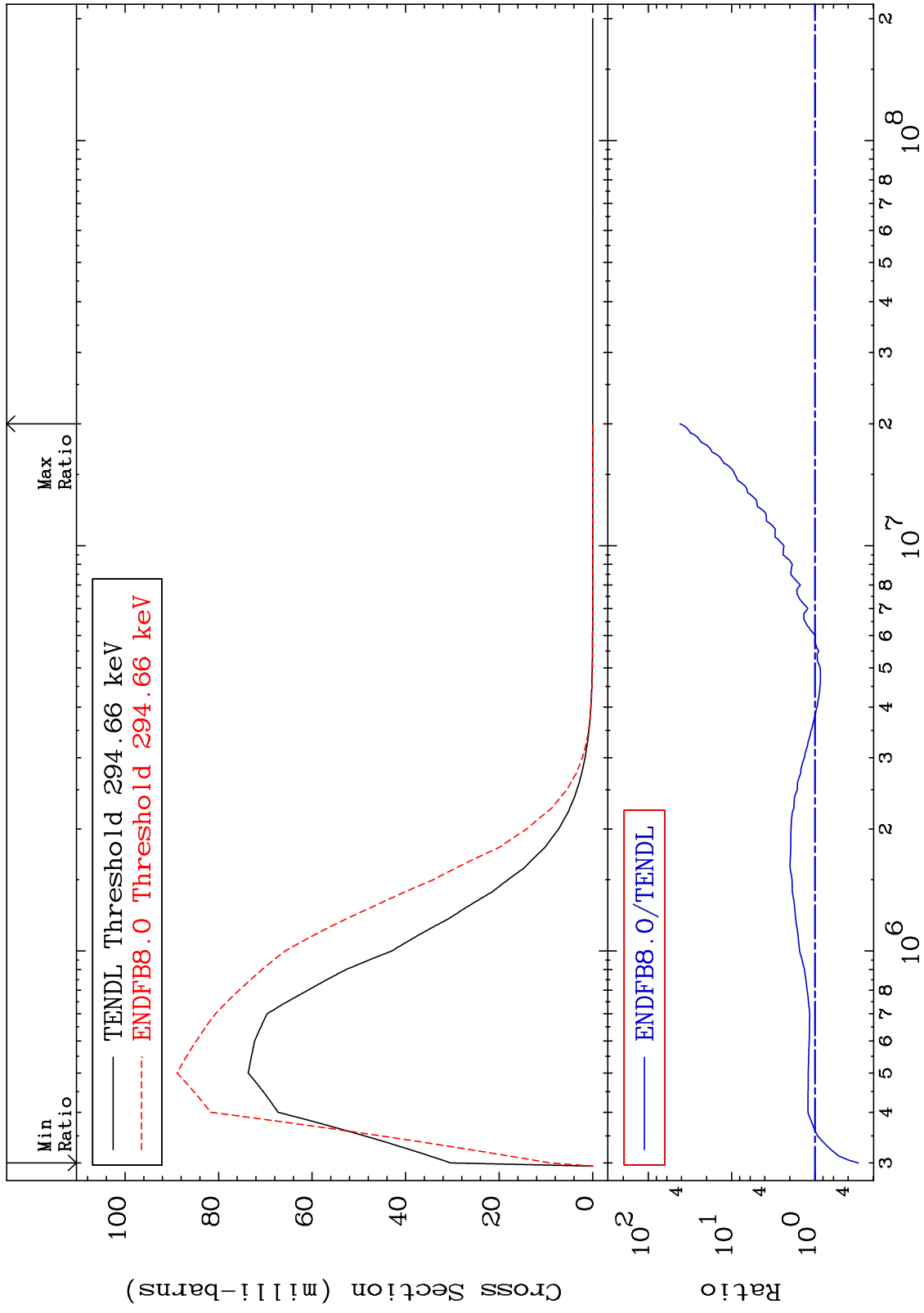
MAT 6146 MT= 65 (n,n') Level Cross Section 61-Pm-146 -100.0 To 51.68 %



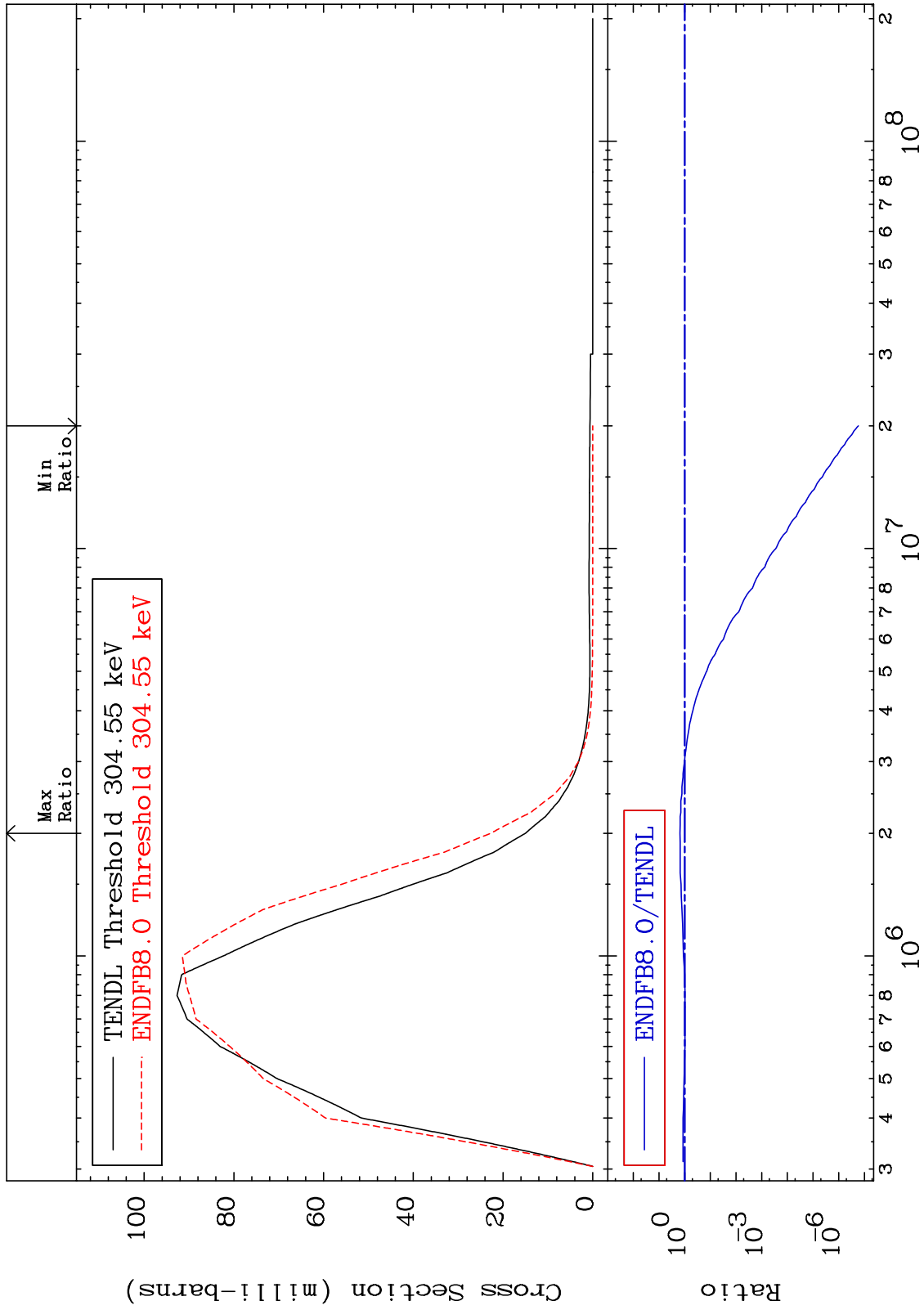
MAT 6146 MT= 66 (n,n') Level Cross Section 61-Pm-146
 -100.0 To 51.65 %



MAT 6146 MT= 67 (n,n') Level Cross Section 61-Pm-146
 -69.89 To 4073. %



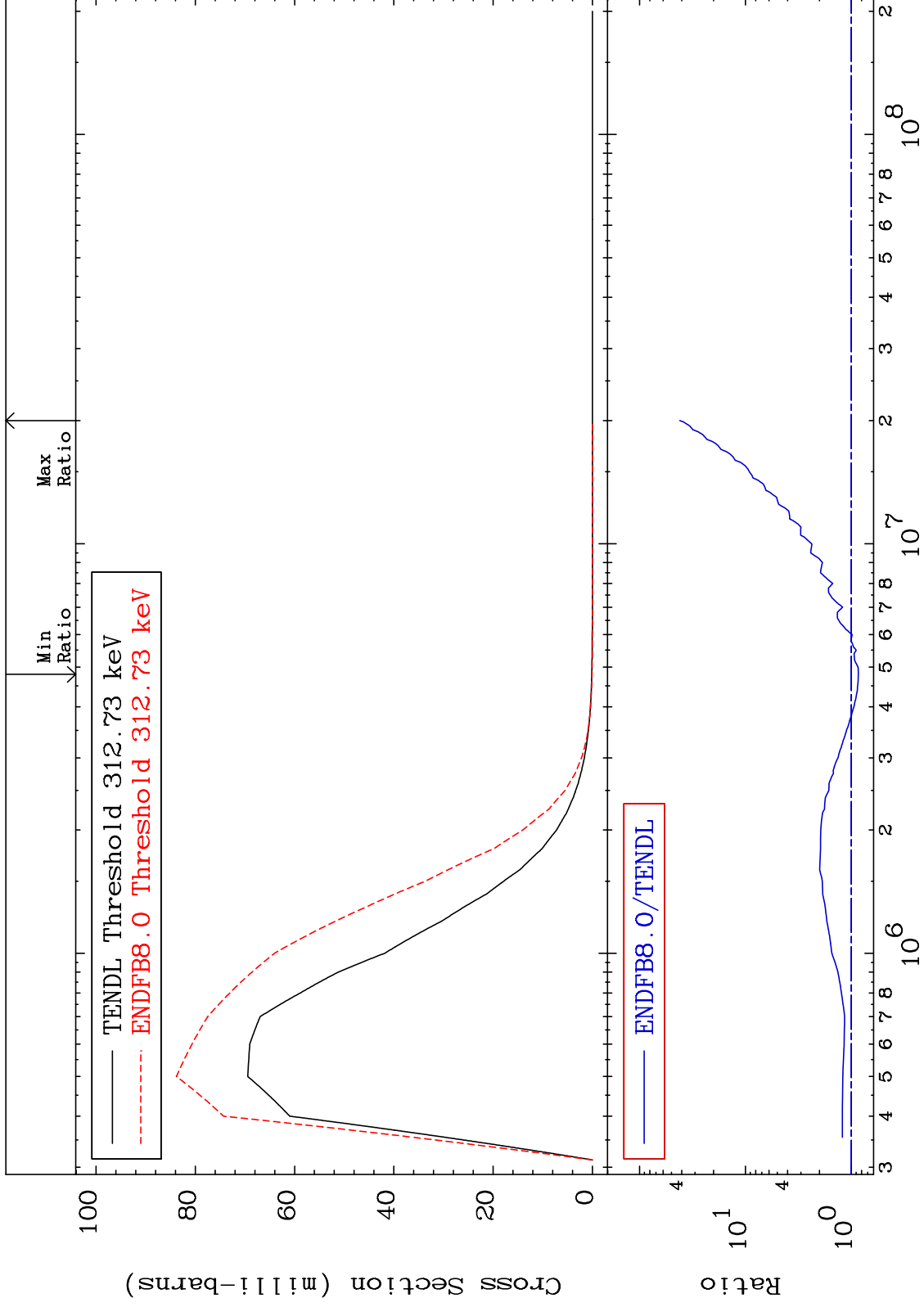
MAT 6146 MT= 68 (n,n') Level Cross Section 61-Pm-146
 -100.0 To 51.60 %



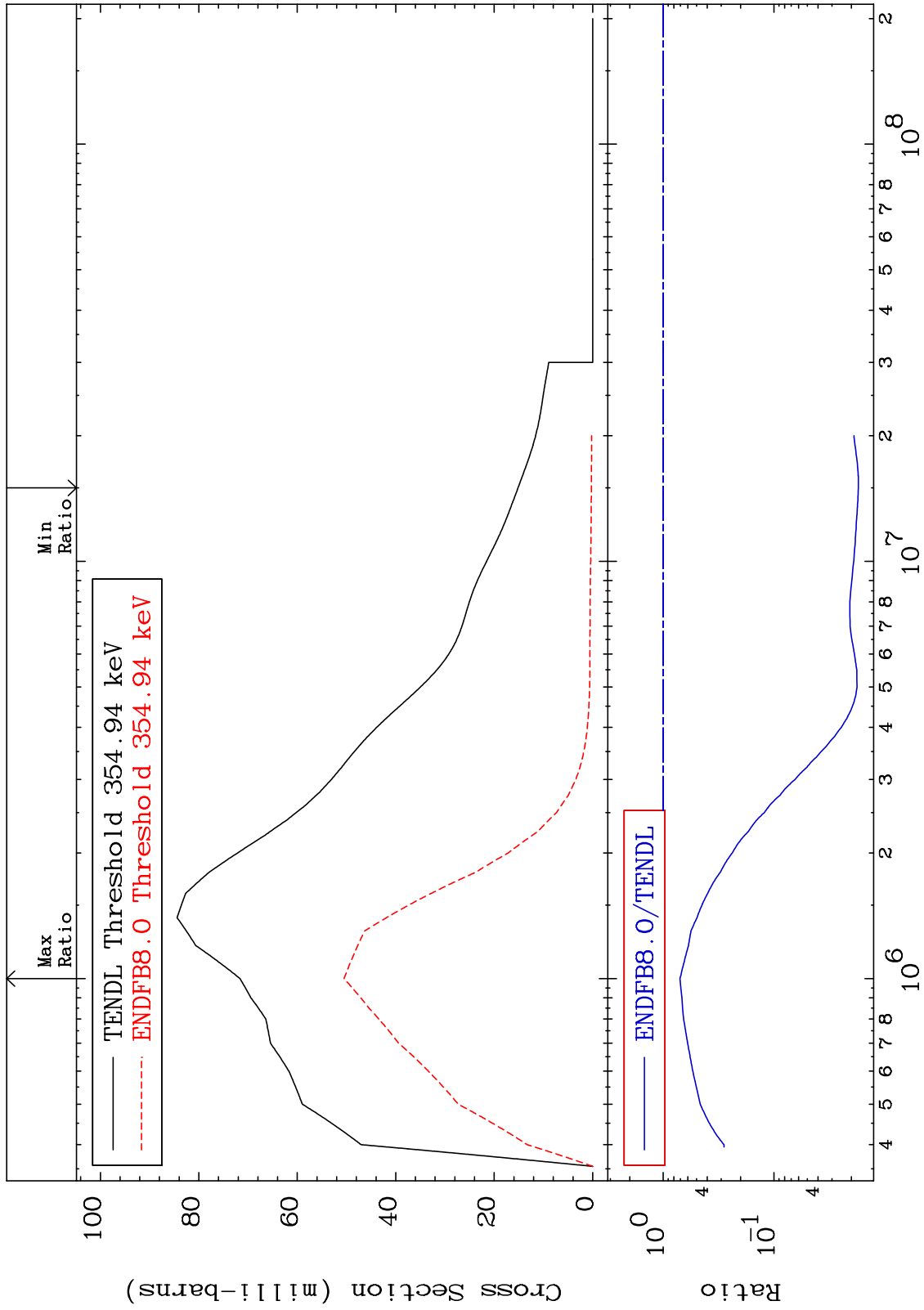
MAT 6146

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

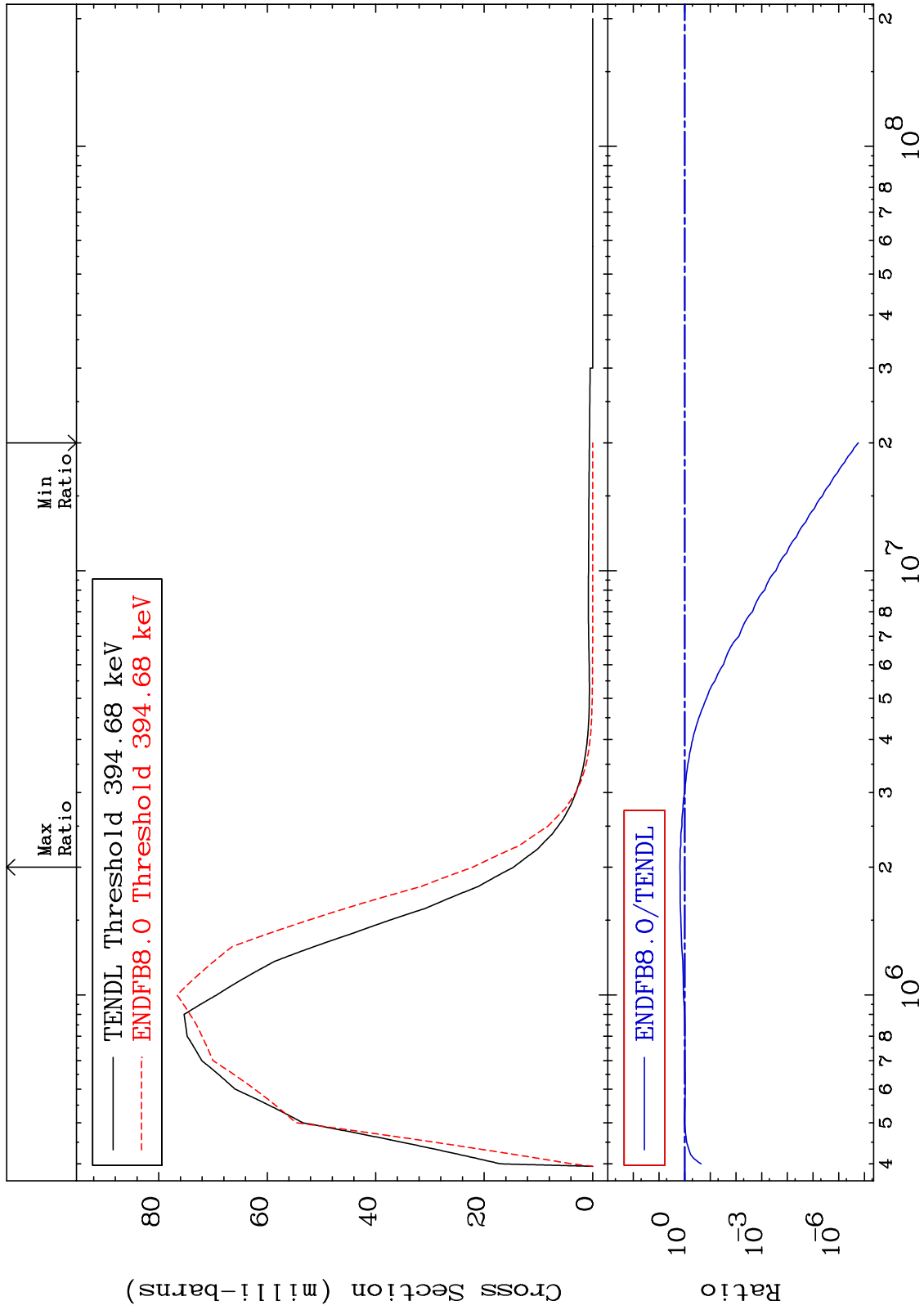
61-Pm-146
-14.09 To 4073. %



MAT 6146 MT= 70 (n,n') Level 61-Pm-146
 Cross Section -98.27 To -29.49%



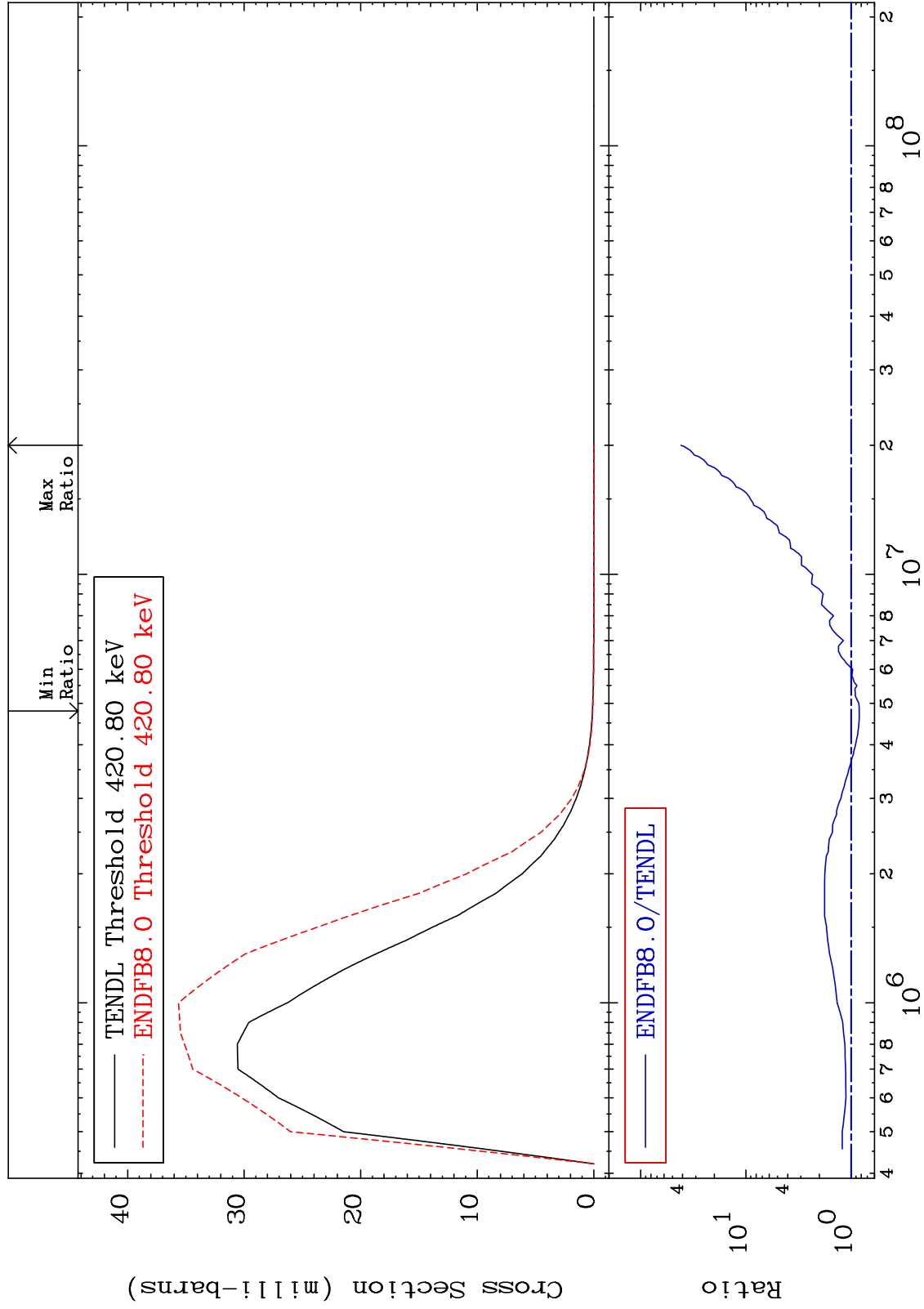
MAT 6146 MT= 71 (n,n') Level Cross Section 61-Pm-146
 -100.0 To 51.52 %



MAT 6146

MT= 72 (n,n') Level
Cross Section

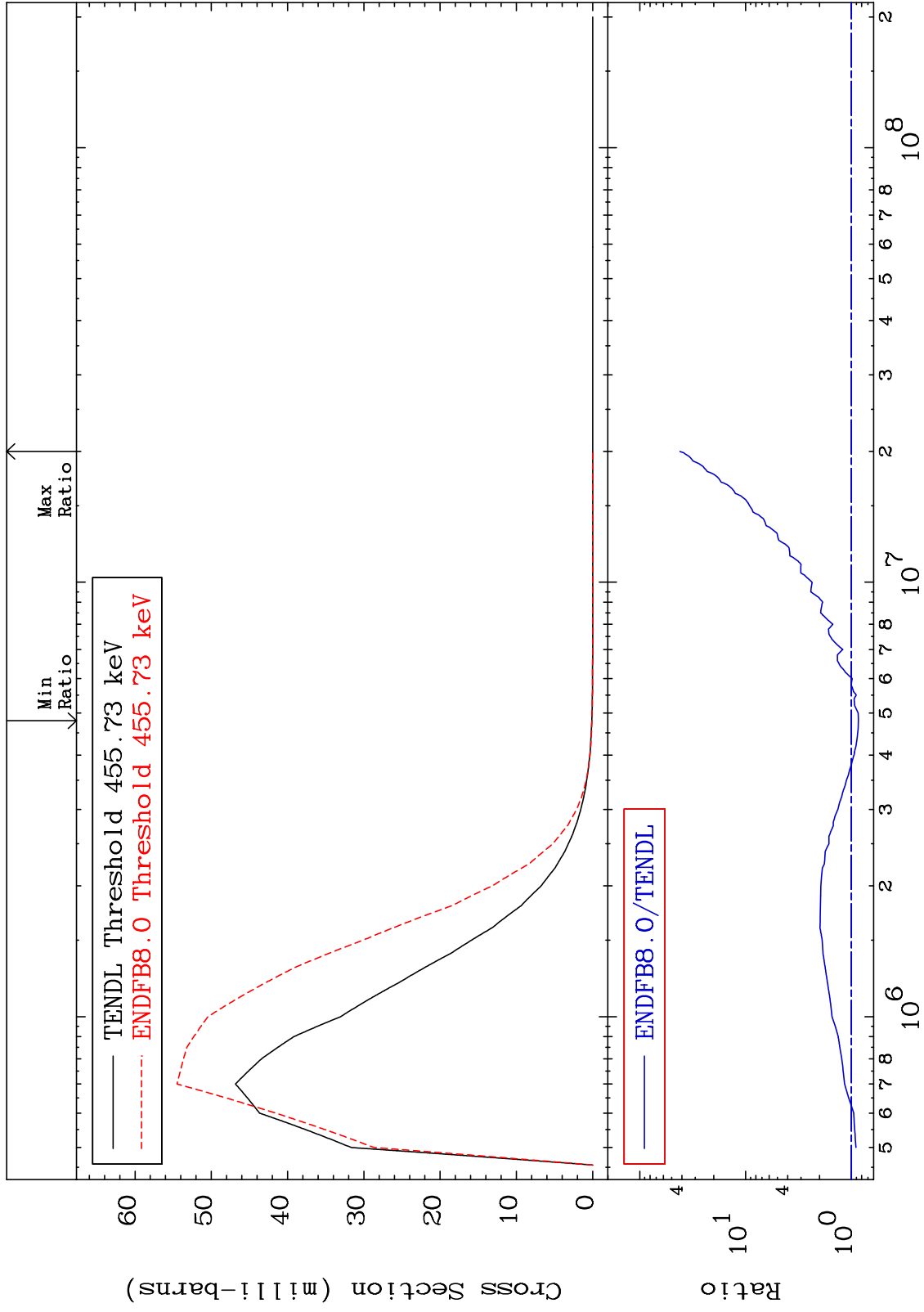
61-Pm-146
-16.47 To 4039. %



MAT 6146

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

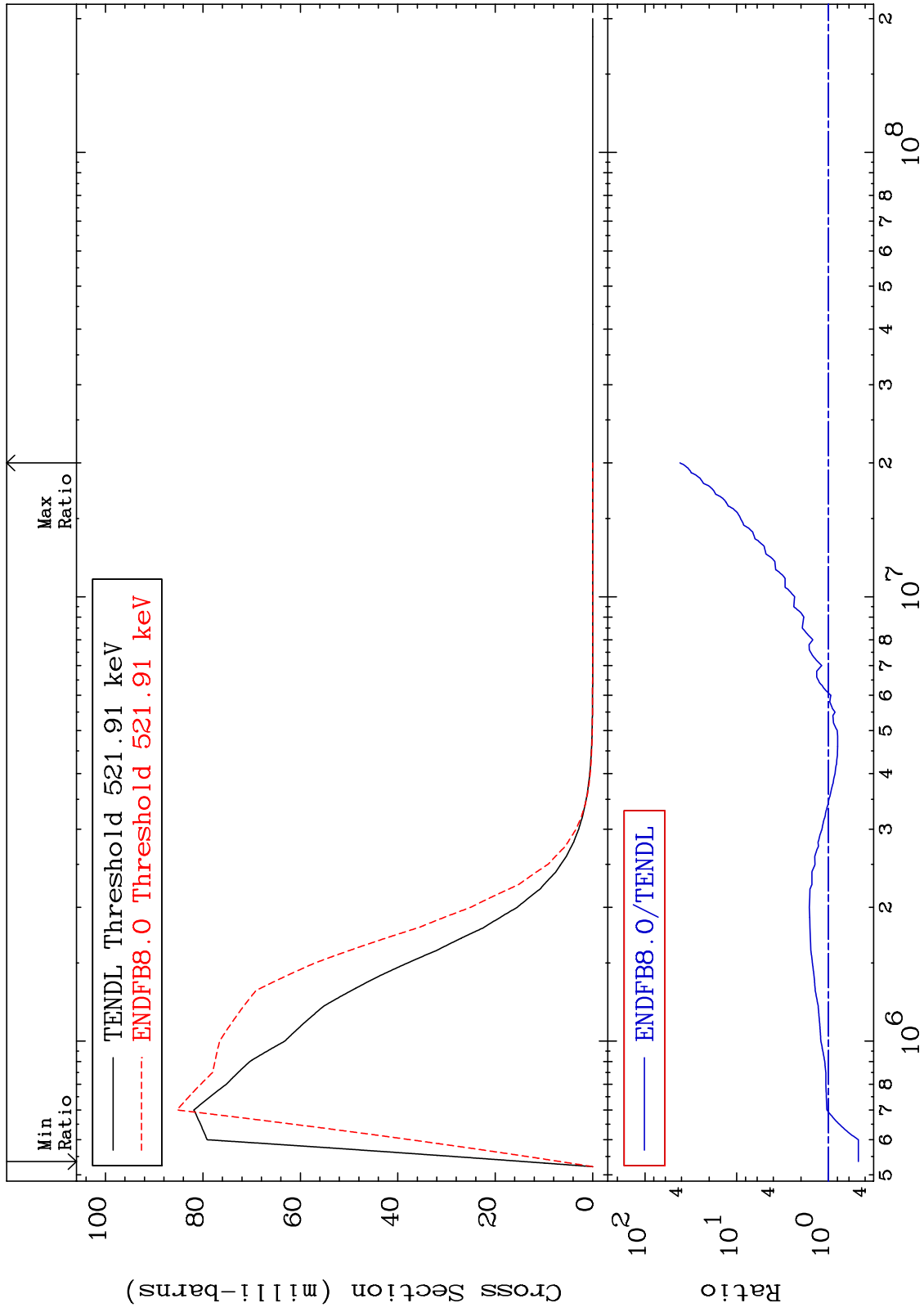
61-Pm-146
-13.98 To 4074. %



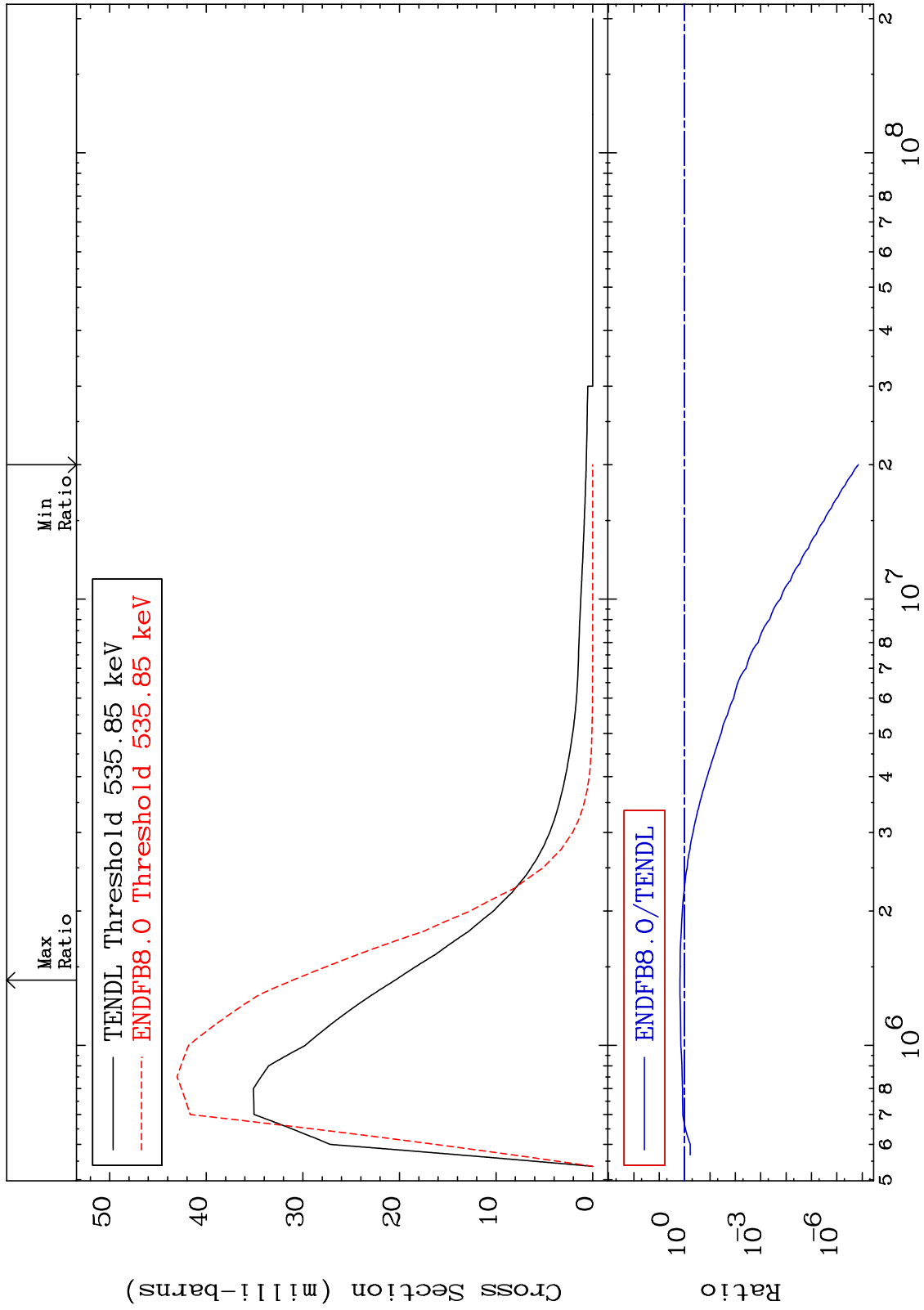
MAT 6146

MT= 74 (n,n') Level
Cross Section

61-Pm-146
-52.74 To 4053. %



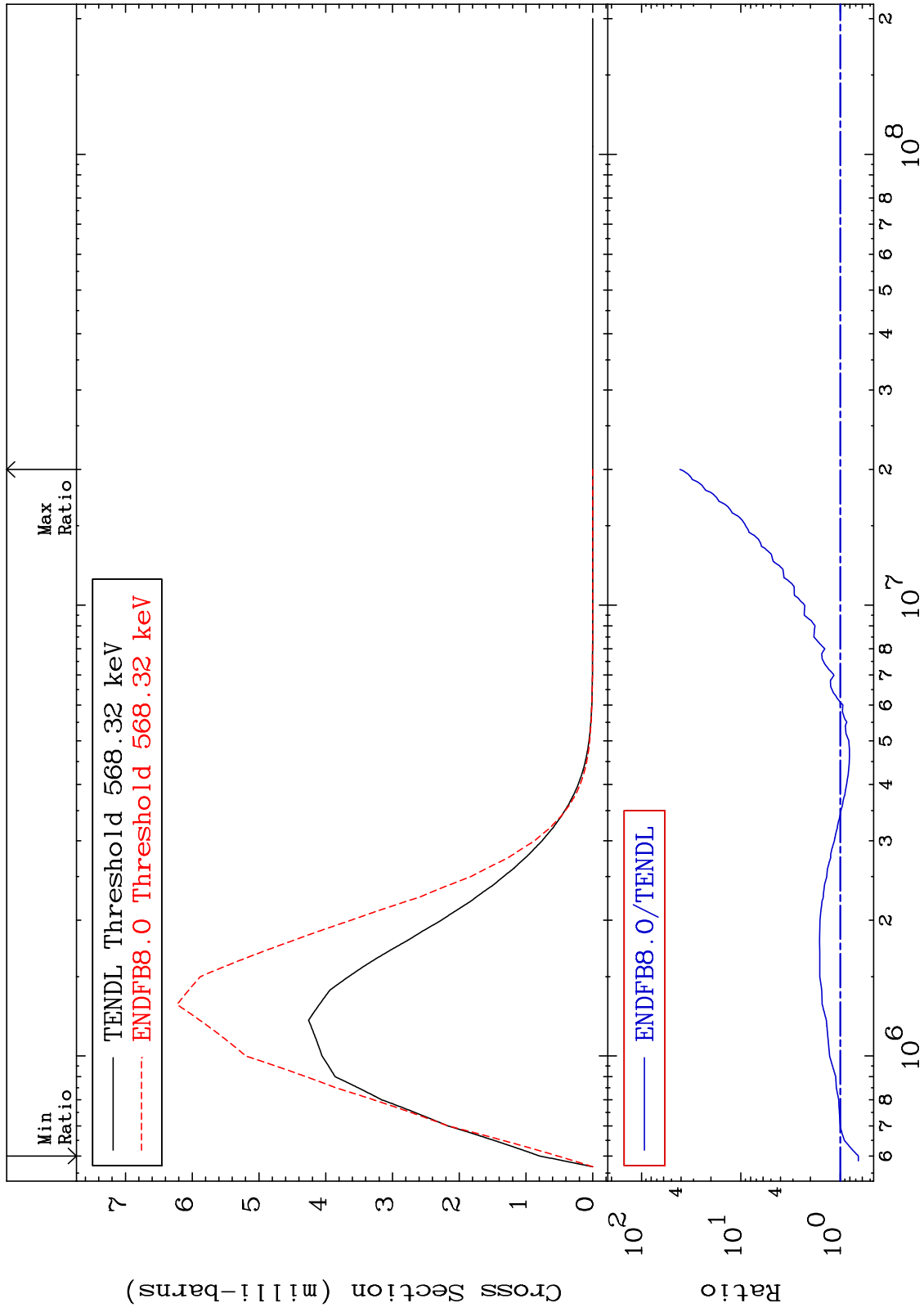
MAT 6146 MT= 75 (n,n') Level Cross Section 61-Pm-146
 -100.0 To 51.86 %



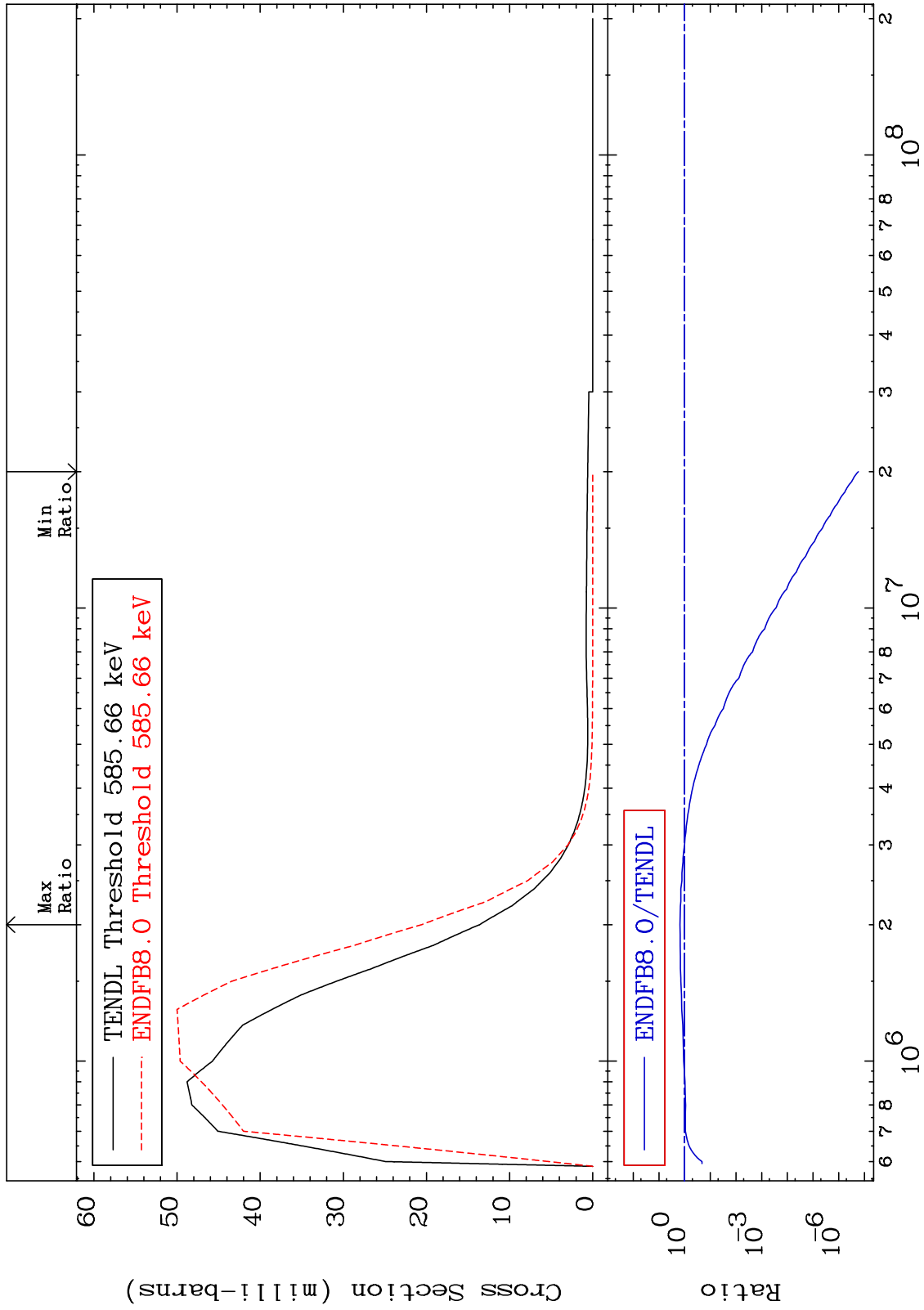
MAT 6146

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

61-Pm-146
-34.23 To 3995. %



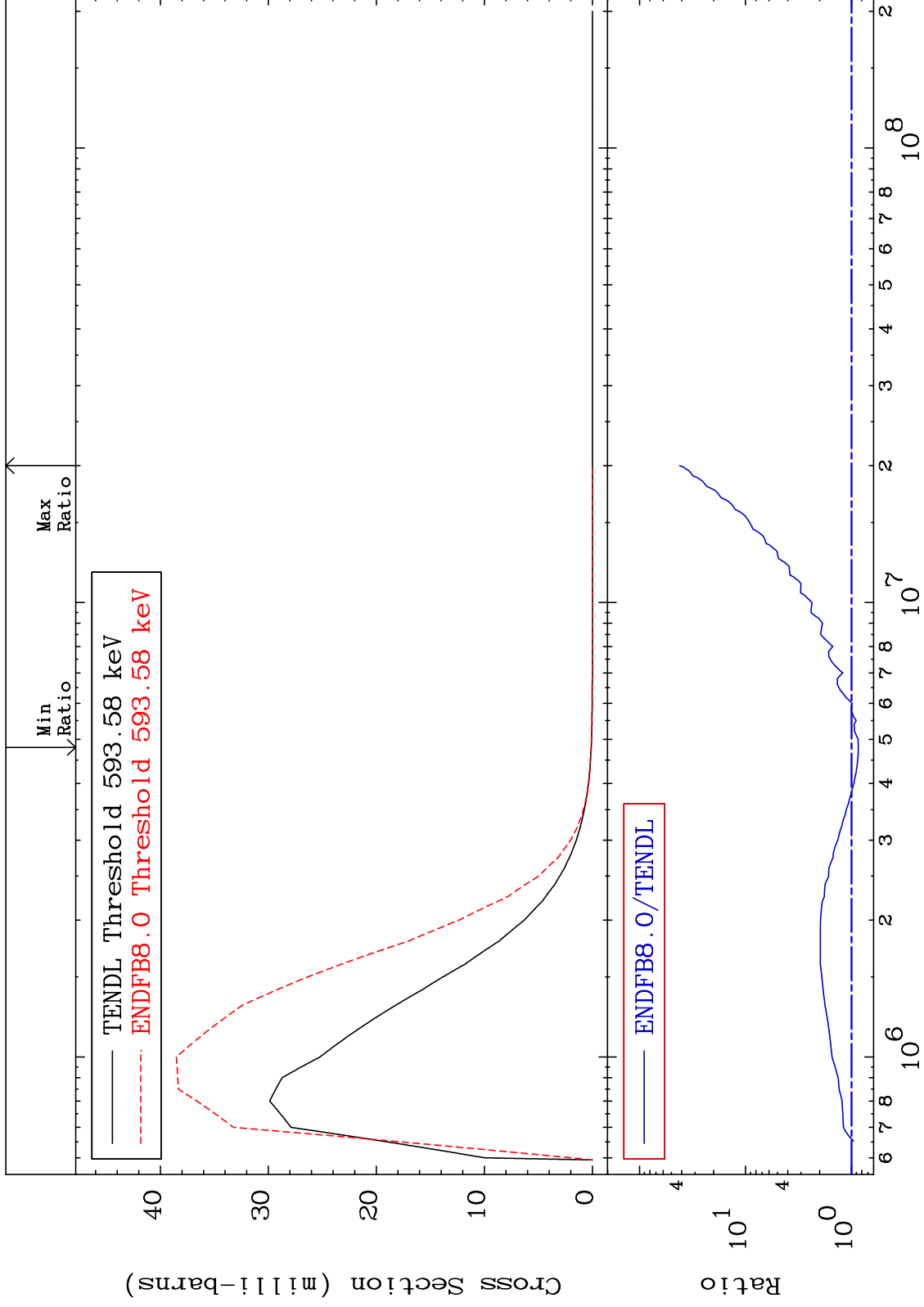
MAT 6146 MT= 77 (n,n') Level Cross Section 61-Pm-146 -100.0 To 51.21 %



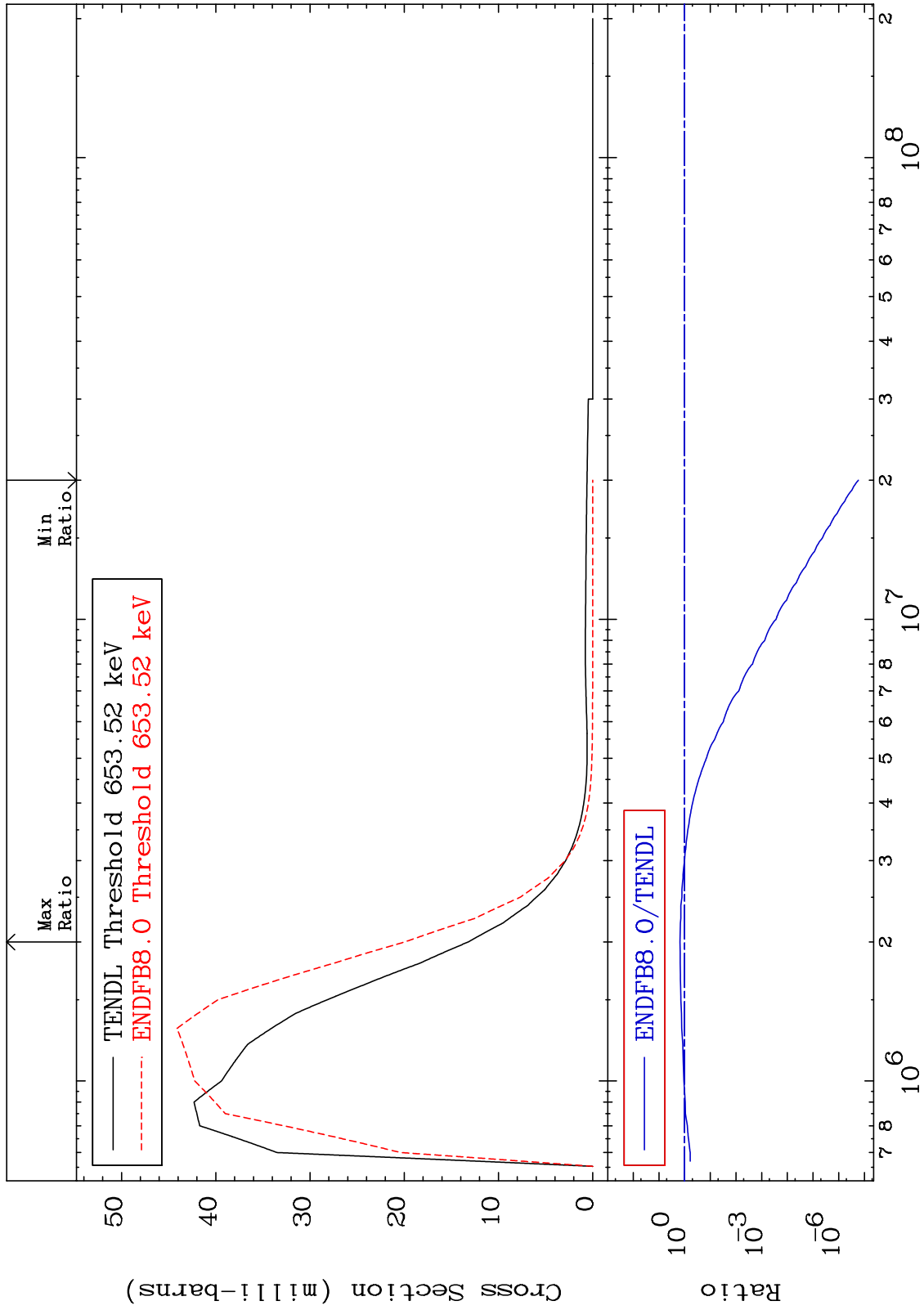
MAT 6146

MT= 78 (n,n') Level
Cross Section

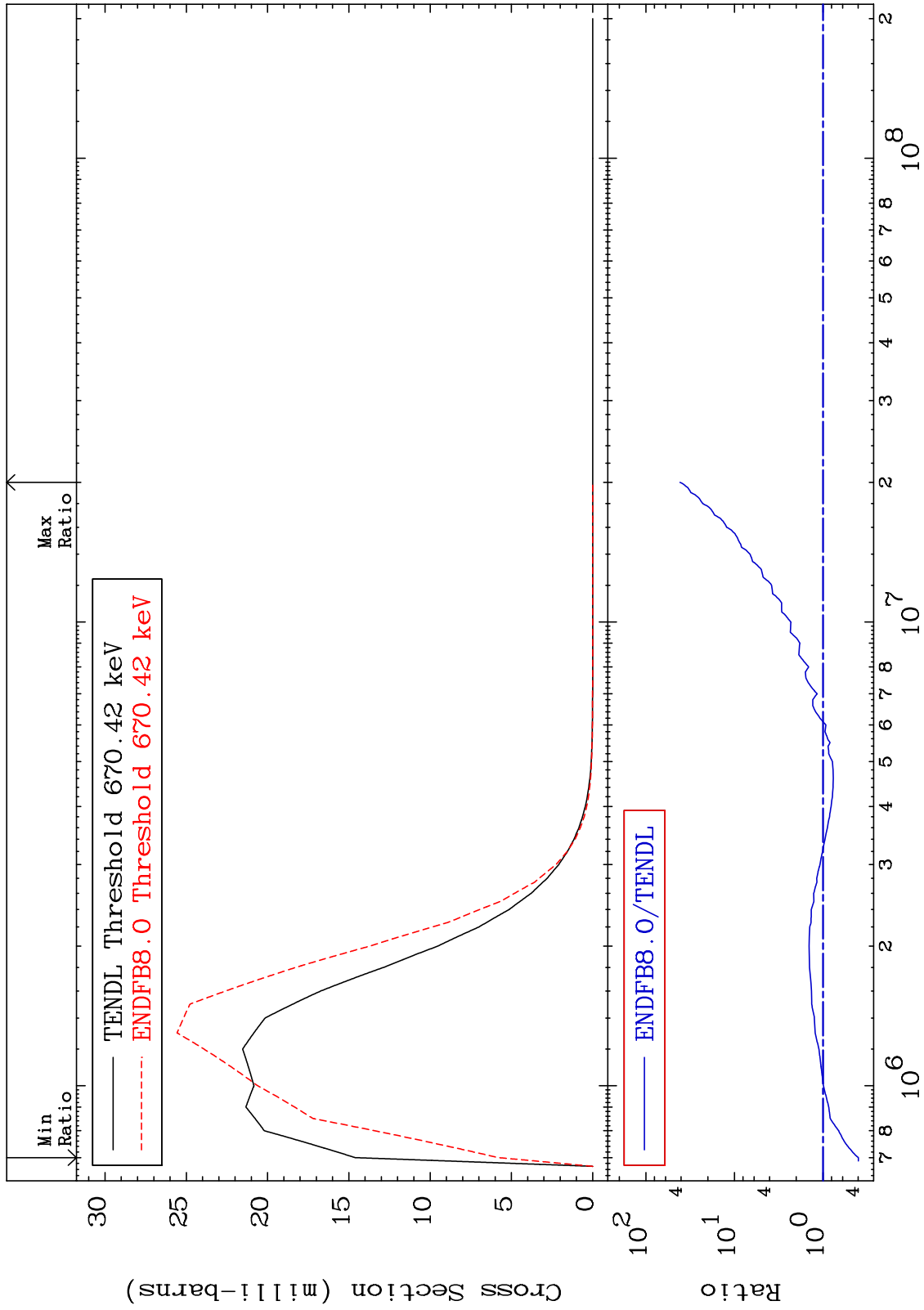
61-Pm-146
-13.86 To 4074. %



MAT 6146 MT= 79 (n,n') Level Cross Section 61-Pm-146 -100.0 To 51.05 %



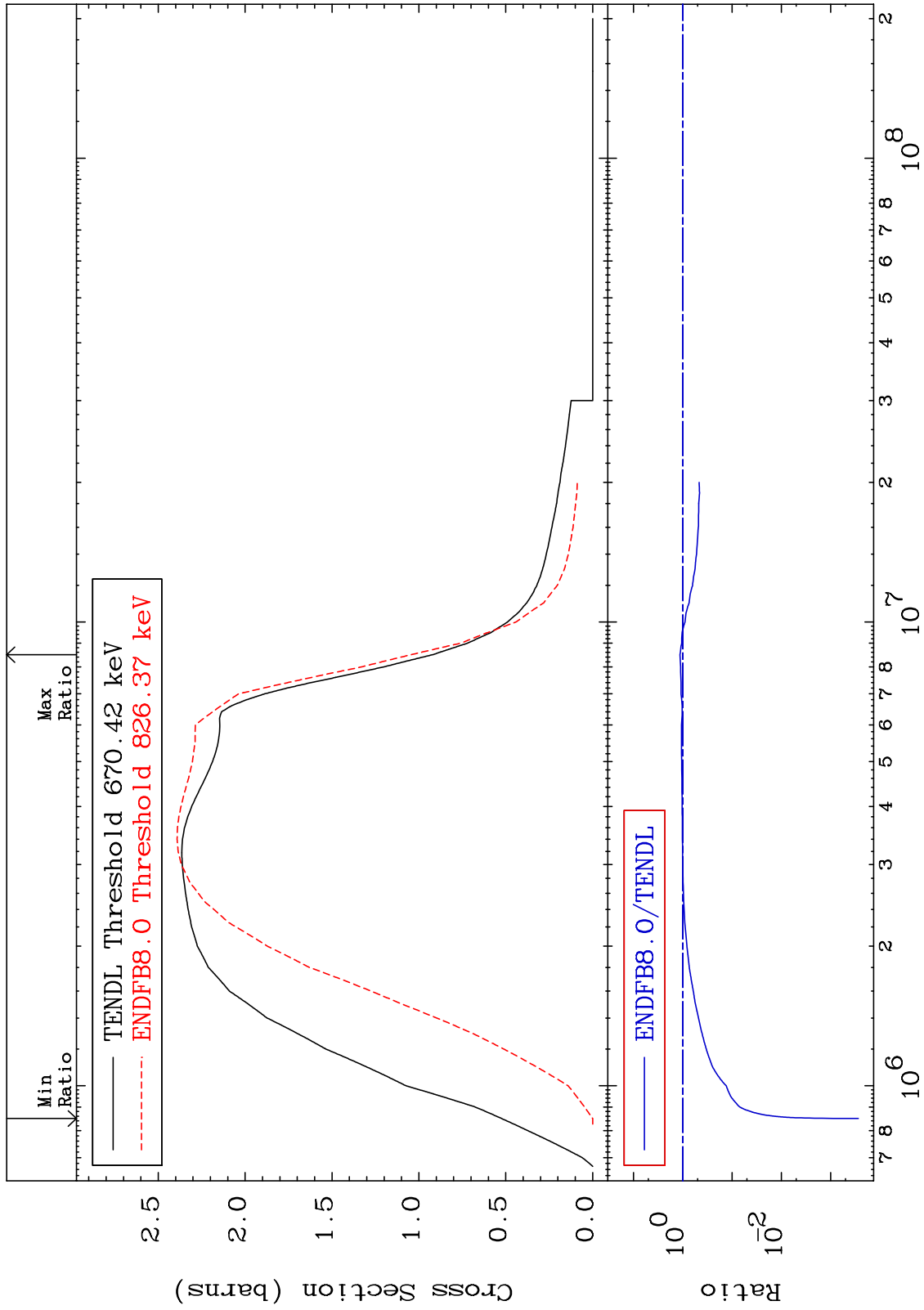
MAT 6146 MT= 80 (n,n') Level Cross Section -60.24 To 4018. % 61-Pm-146



MAT 6146

(n, n') Continuum
Cross Section

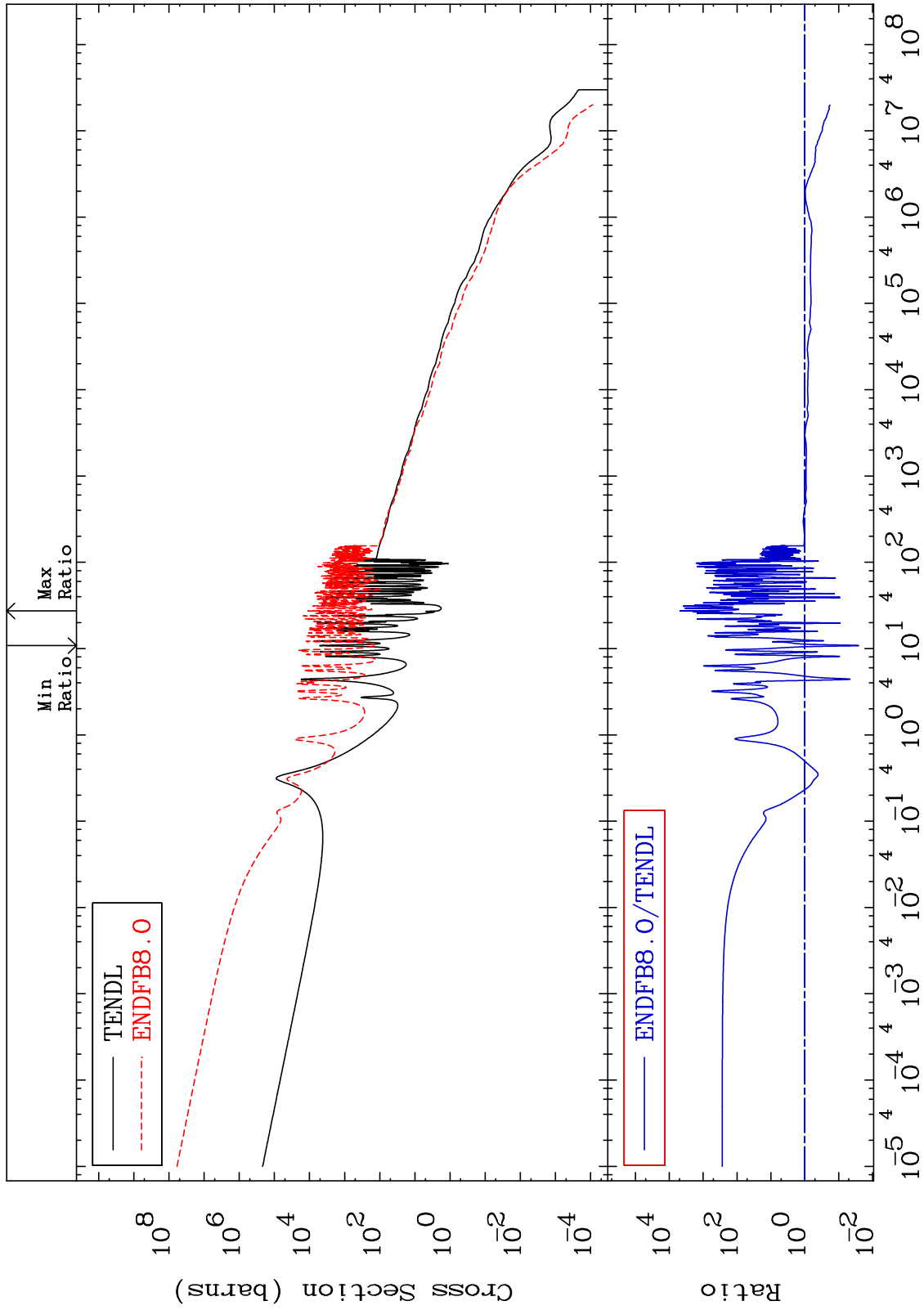
61-Pm-146
-99.97 To 13.52 %



MAT 6146

(n, γ)
Cross Section

61-Pm-146
-97.39 To 9999. %



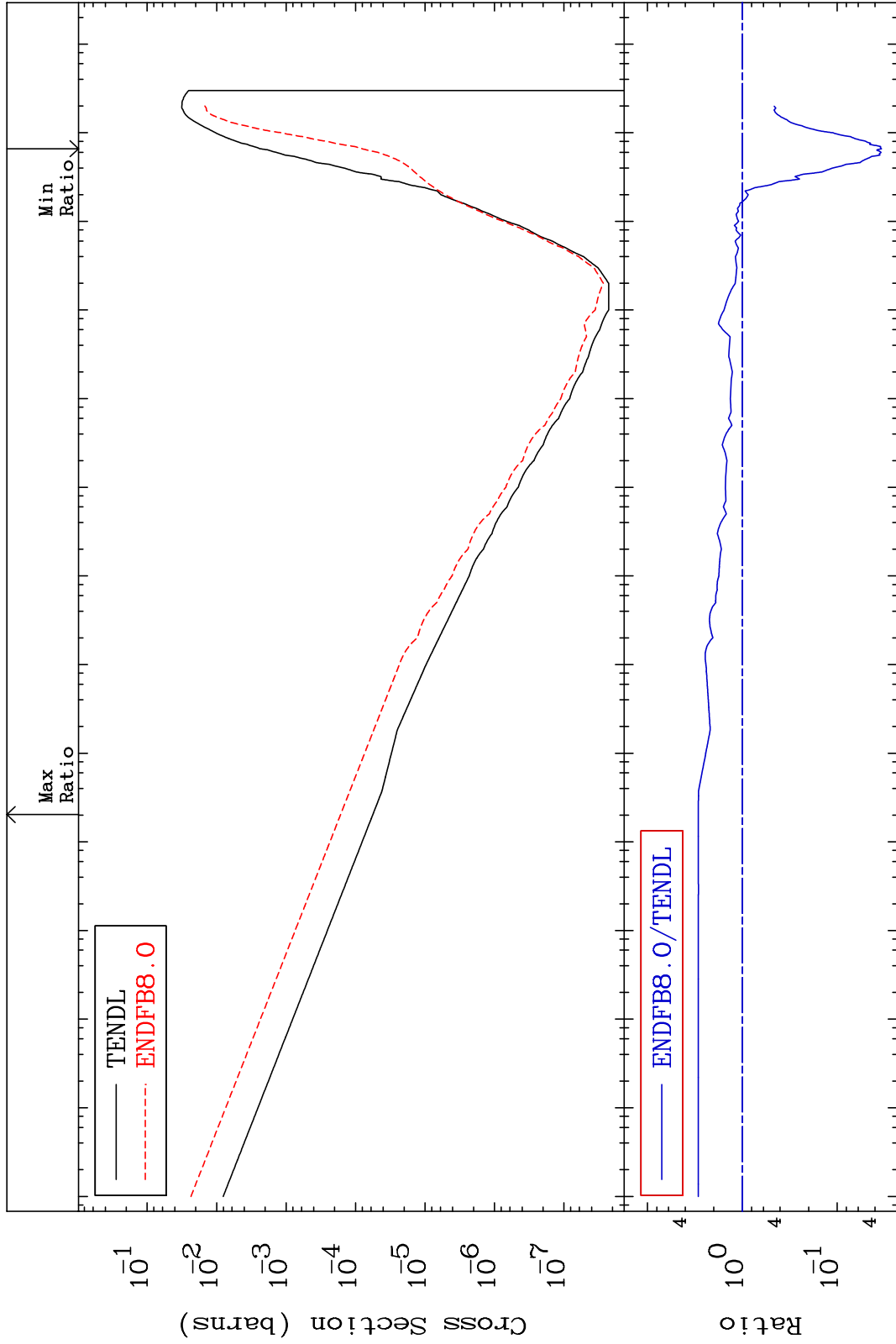
MAT 6146

(n,p)

61-Pm-146

Cross Section

-96.59 To 191.3 %



Max Ratio

Min Ratio

— TENDL
- - - ENDFB8.0

— ENDFB8.0/TENDL

10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

Incident Energy (eV)

61-Pm-146

37

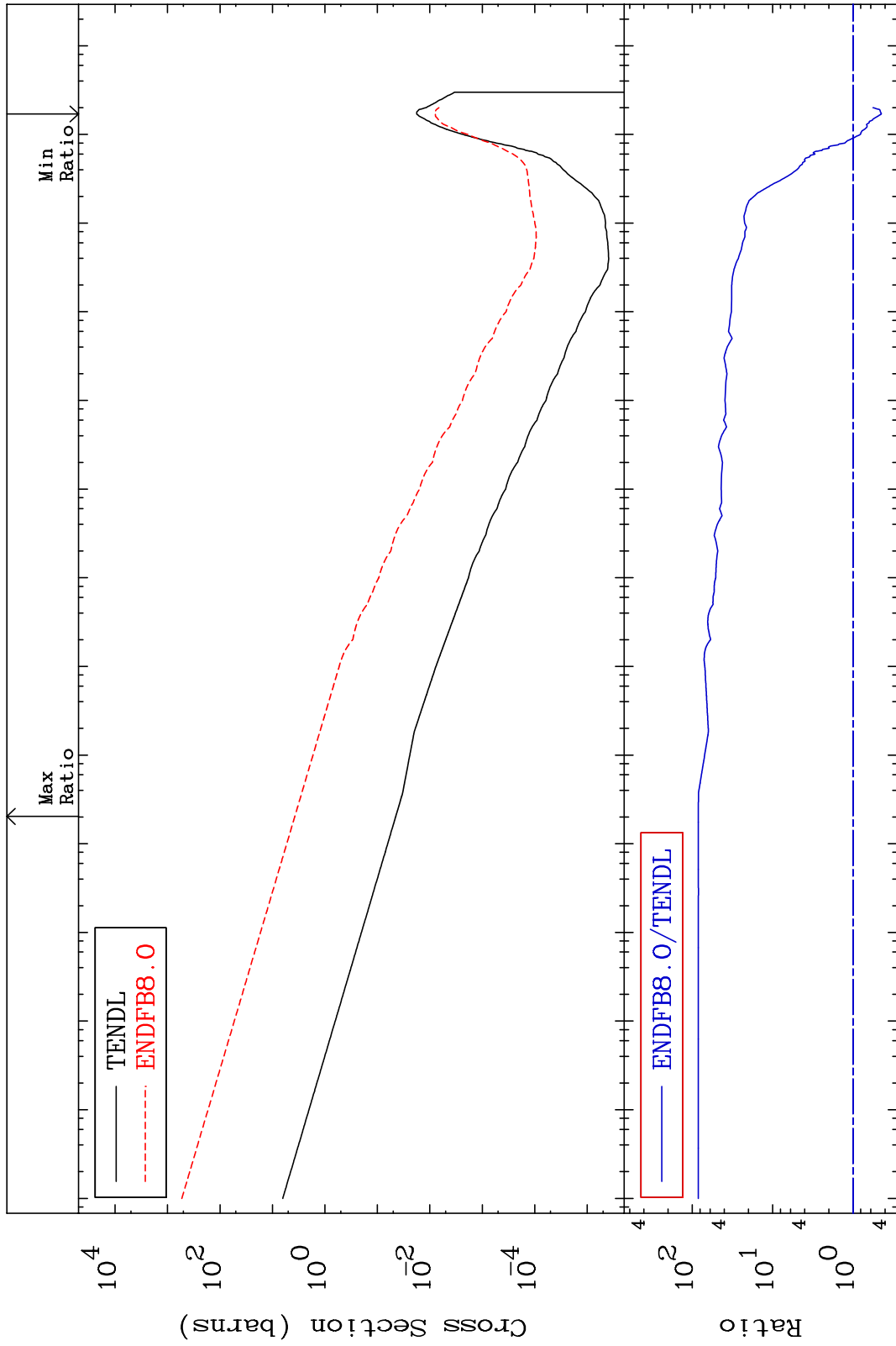
MAT 6146

(n, α)

61-Pm-146

Cross Section

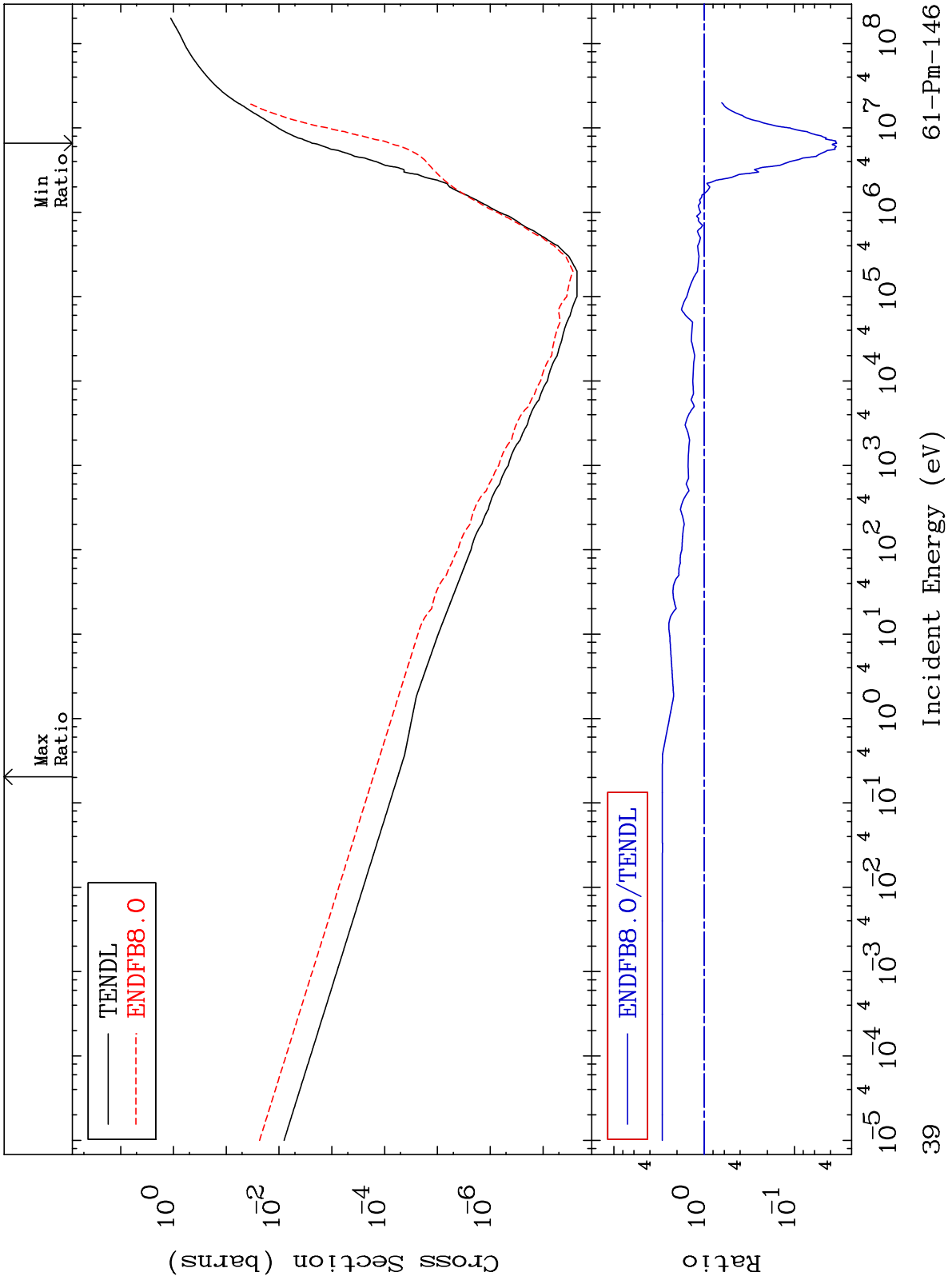
-55.87 To 8297. %



MAT 6146

Hydrogen Production
Cross Section

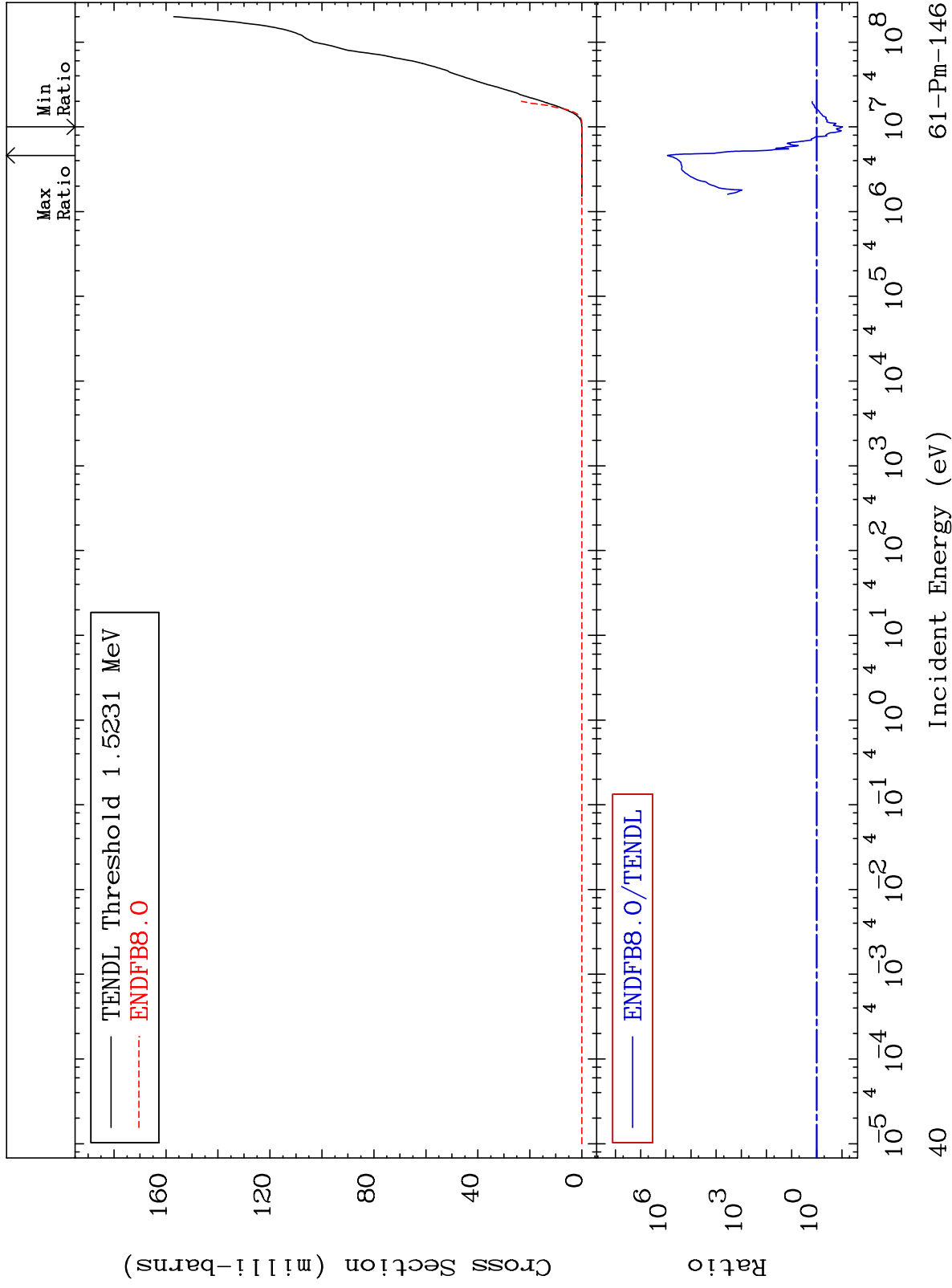
61-Pm-146
-96.59 To 191.3 %



MAT 6146

Deuterium Production
Cross Section

61-Pm-146
-90.68 To 9999. %



61-Pm-146

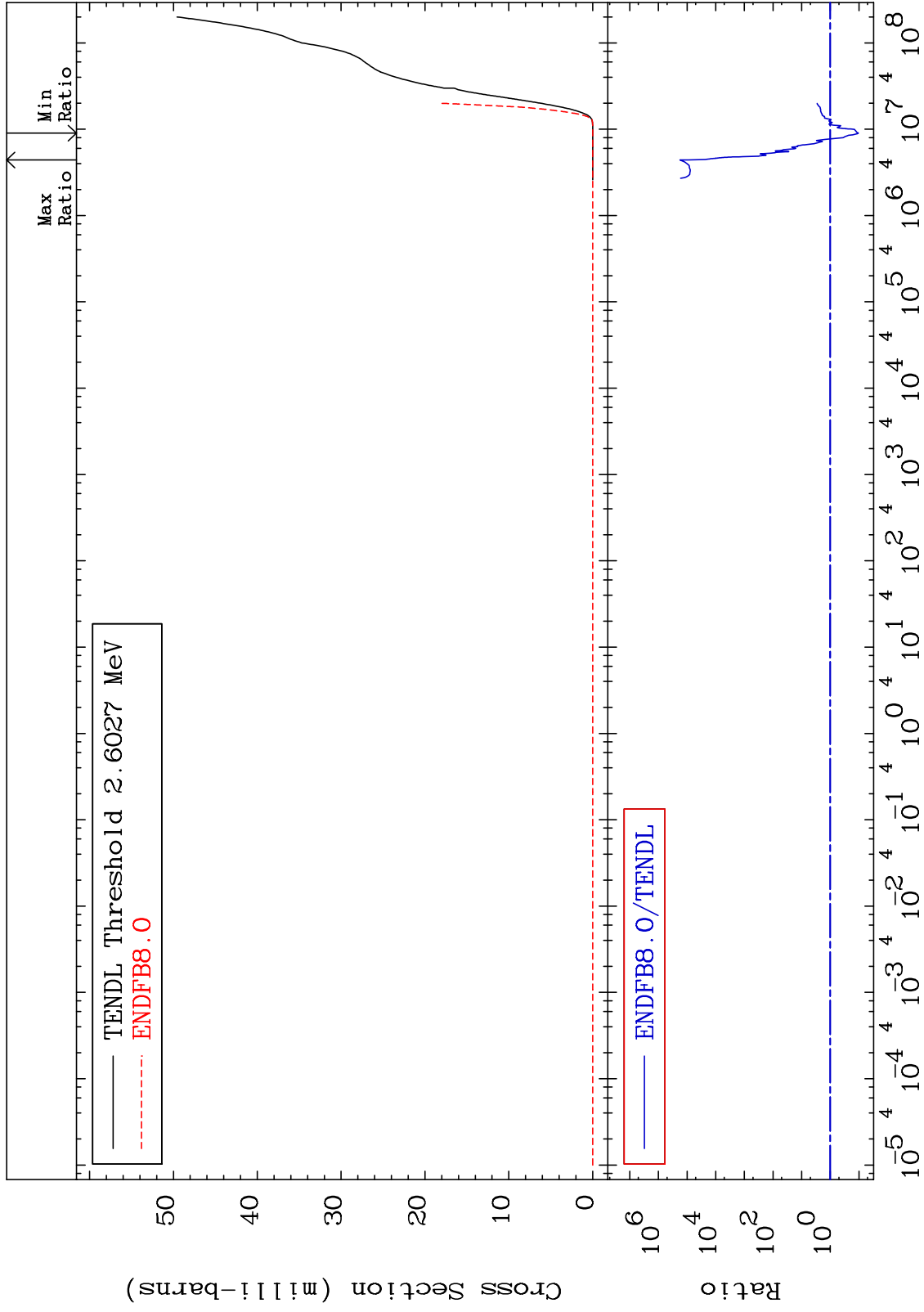
Incident Energy (eV)

40

MAT 6146

Tritium Production
Cross Section

61-Pm-146
-89.54 To 9999. %



41

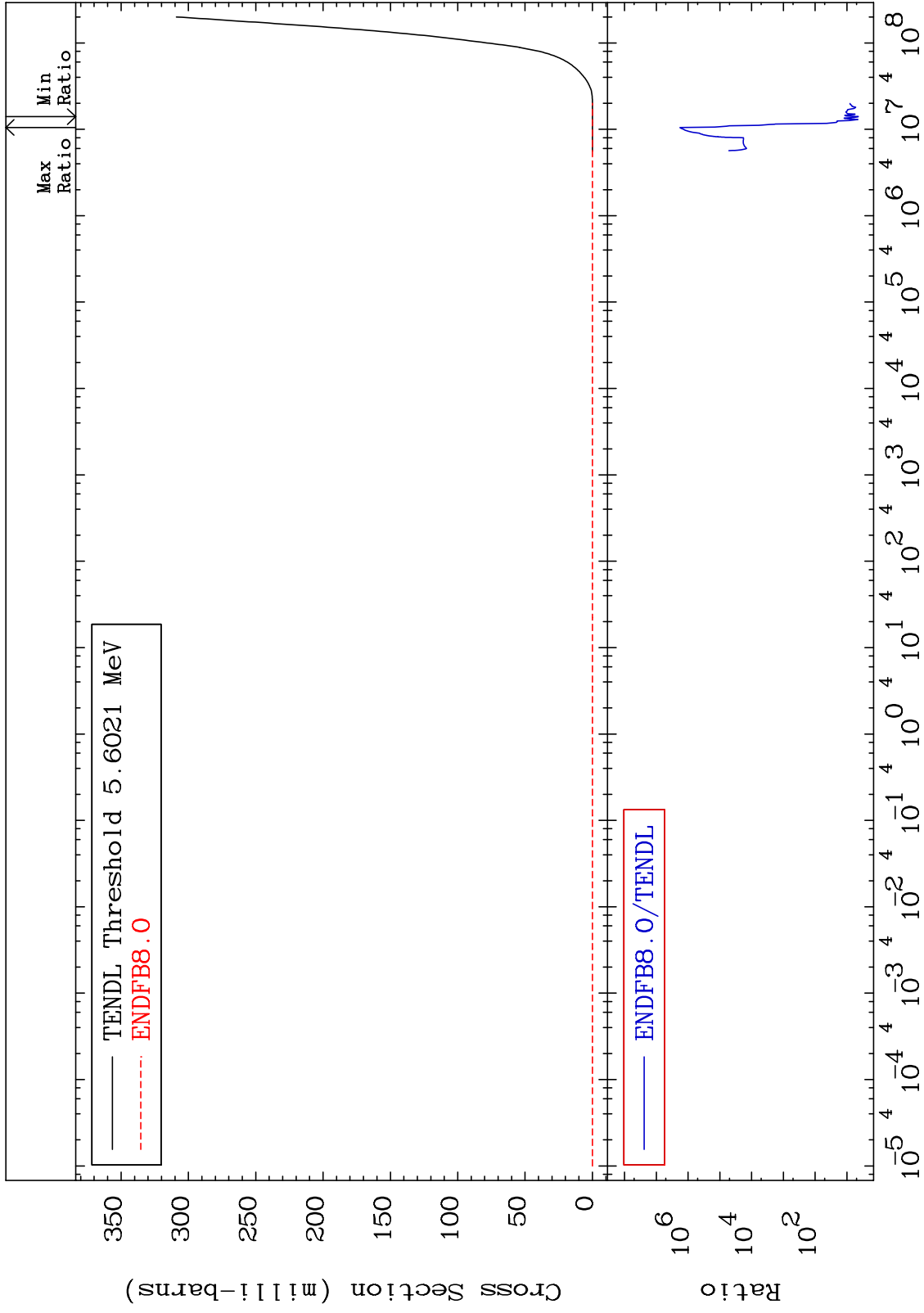
Incident Energy (eV)

61-Pm-146

MAT 6146

He-3 Production
Cross Section

61-Pm-146
336.3 To 9999. %



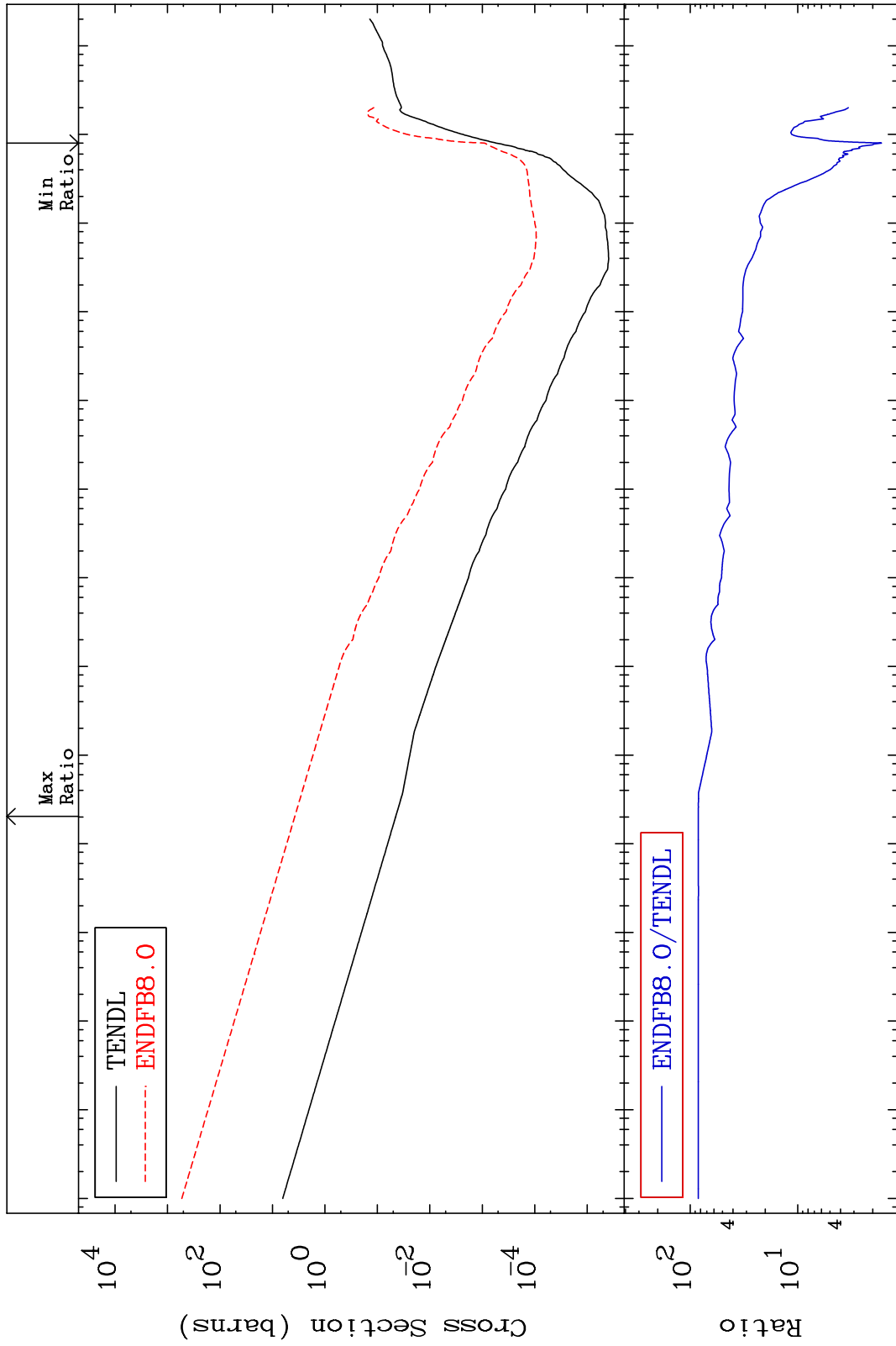
61-Pm-146

61-Pm-146

MAT 6146

He-4 Production
Cross Section

61-Pm-146
65.87 To 8297. %

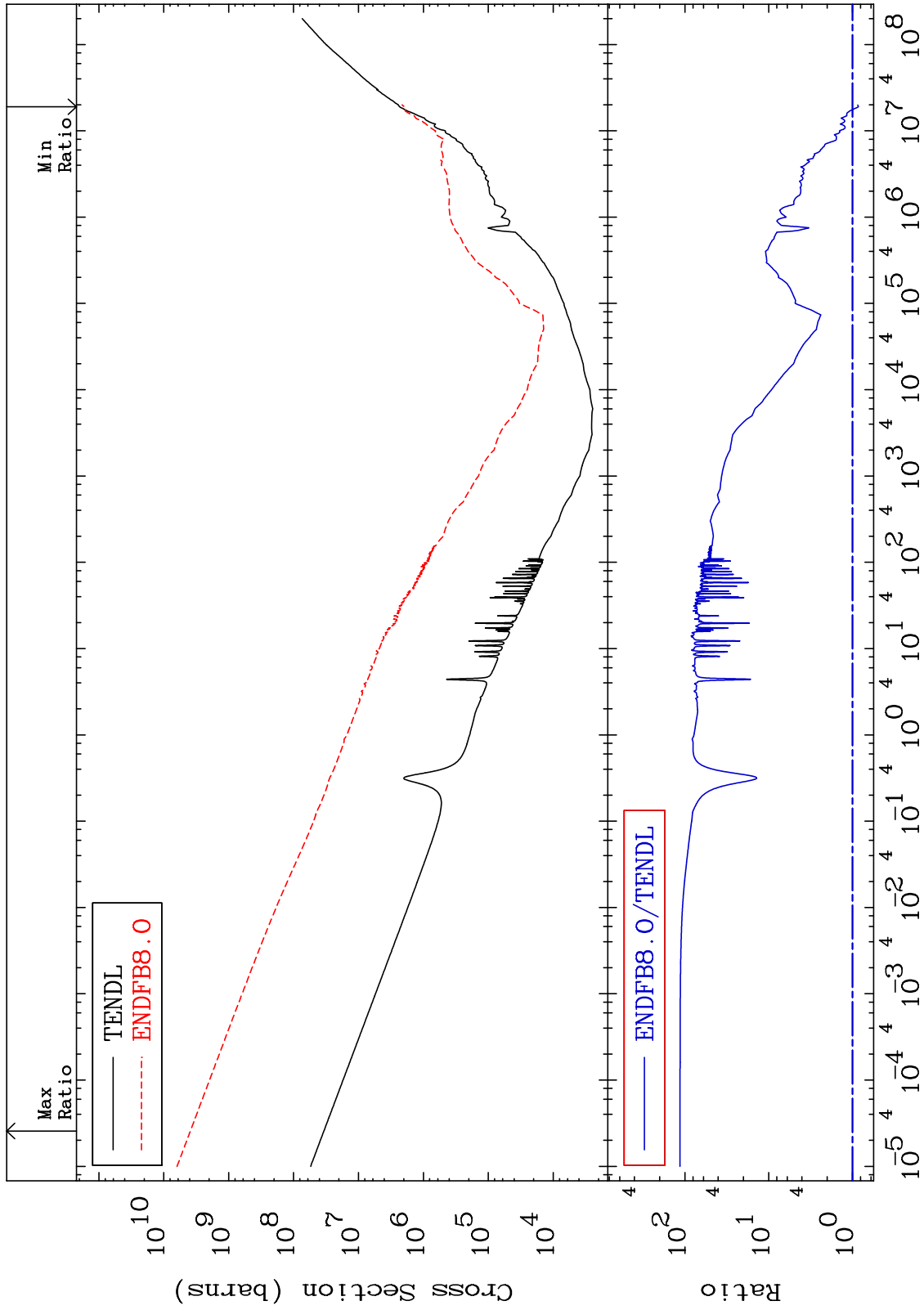


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Incident Energy (eV)

61-Pm-146

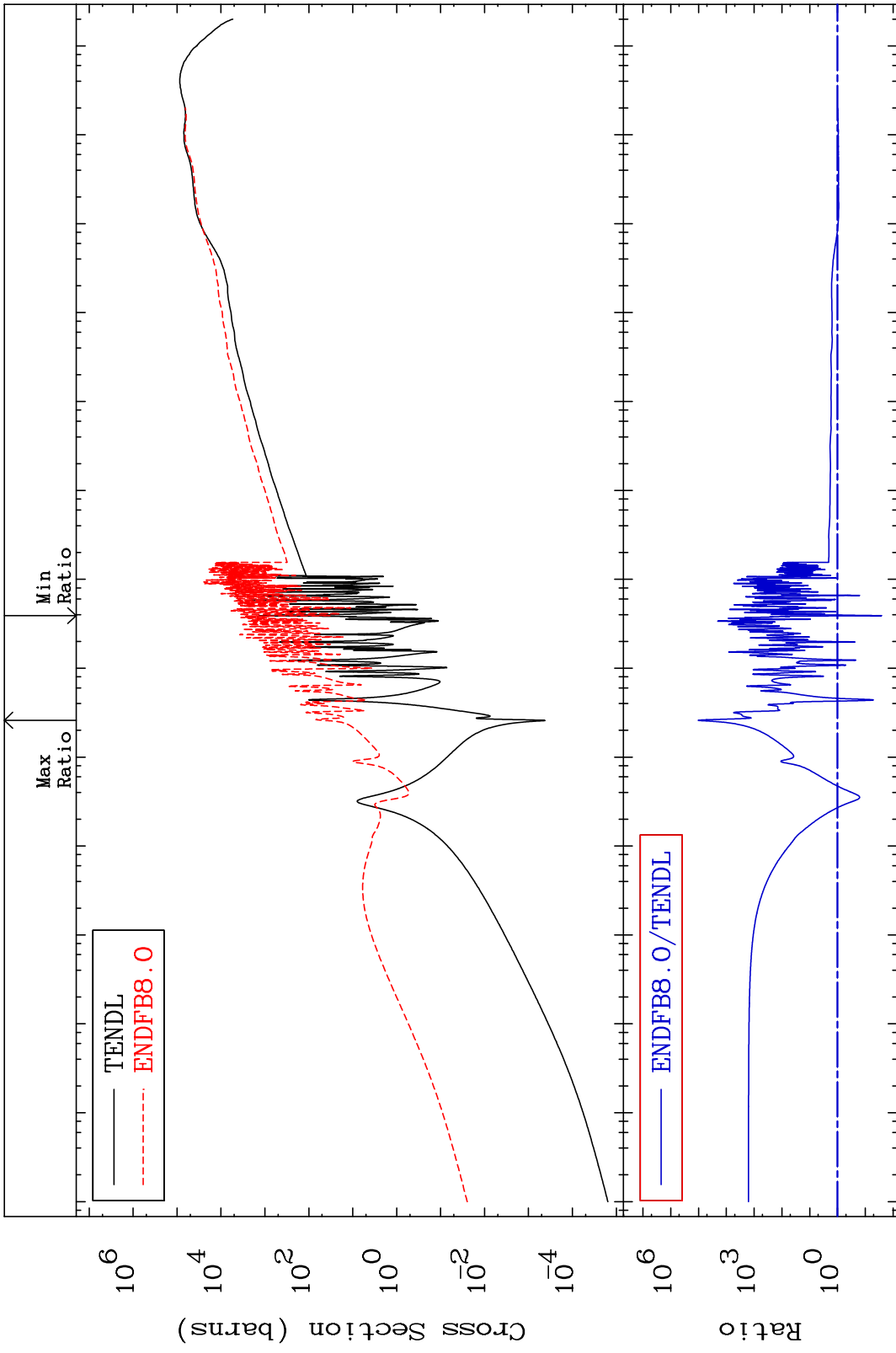
MAT 6146 Kerma total (eV-barns) 61-Pm-146
 Cross Section -15.26 To 9999. %



MAT 6146

Kerma elastic
Cross Section

61-Pm-146
-97.39 To 9999. %

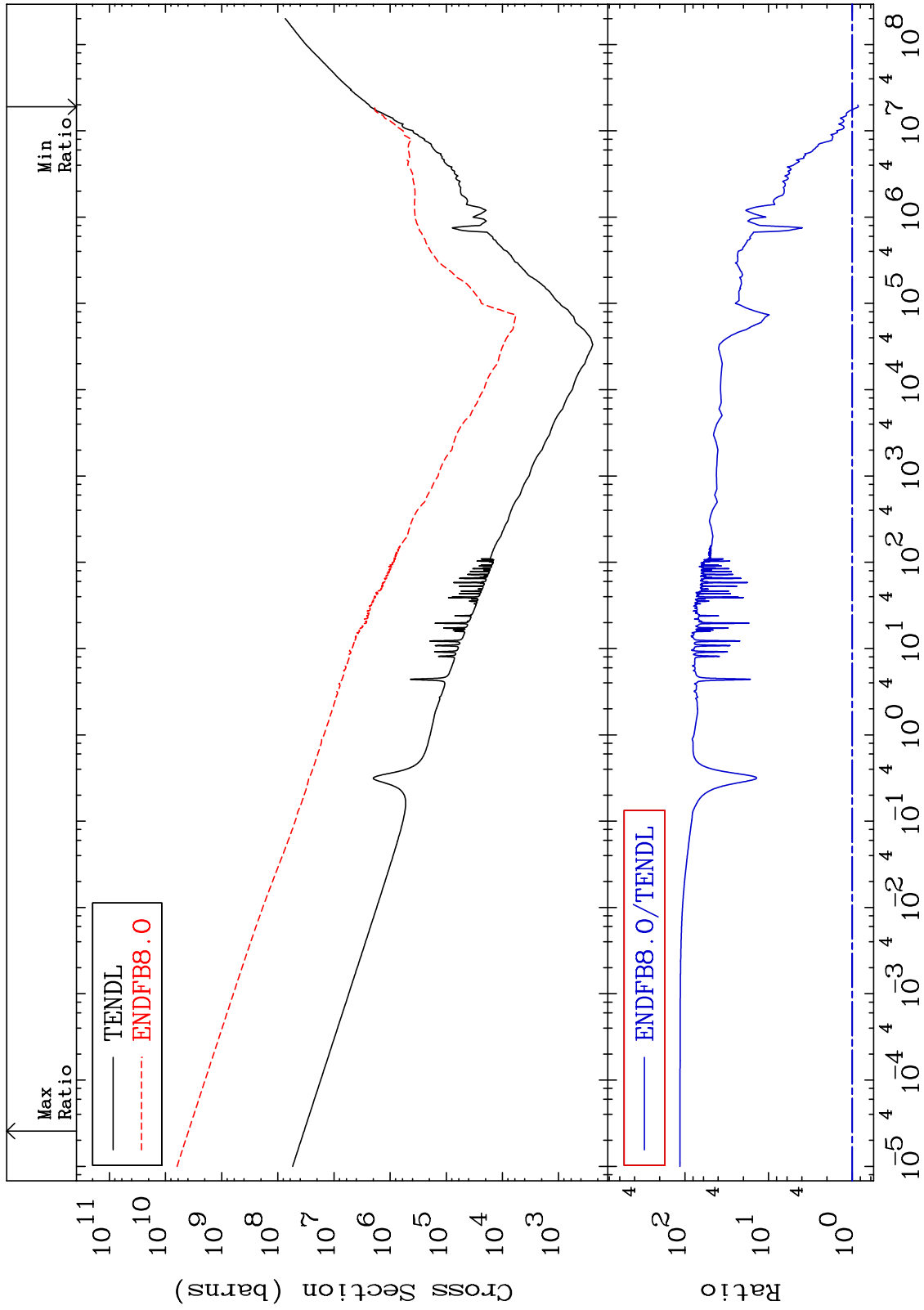


45

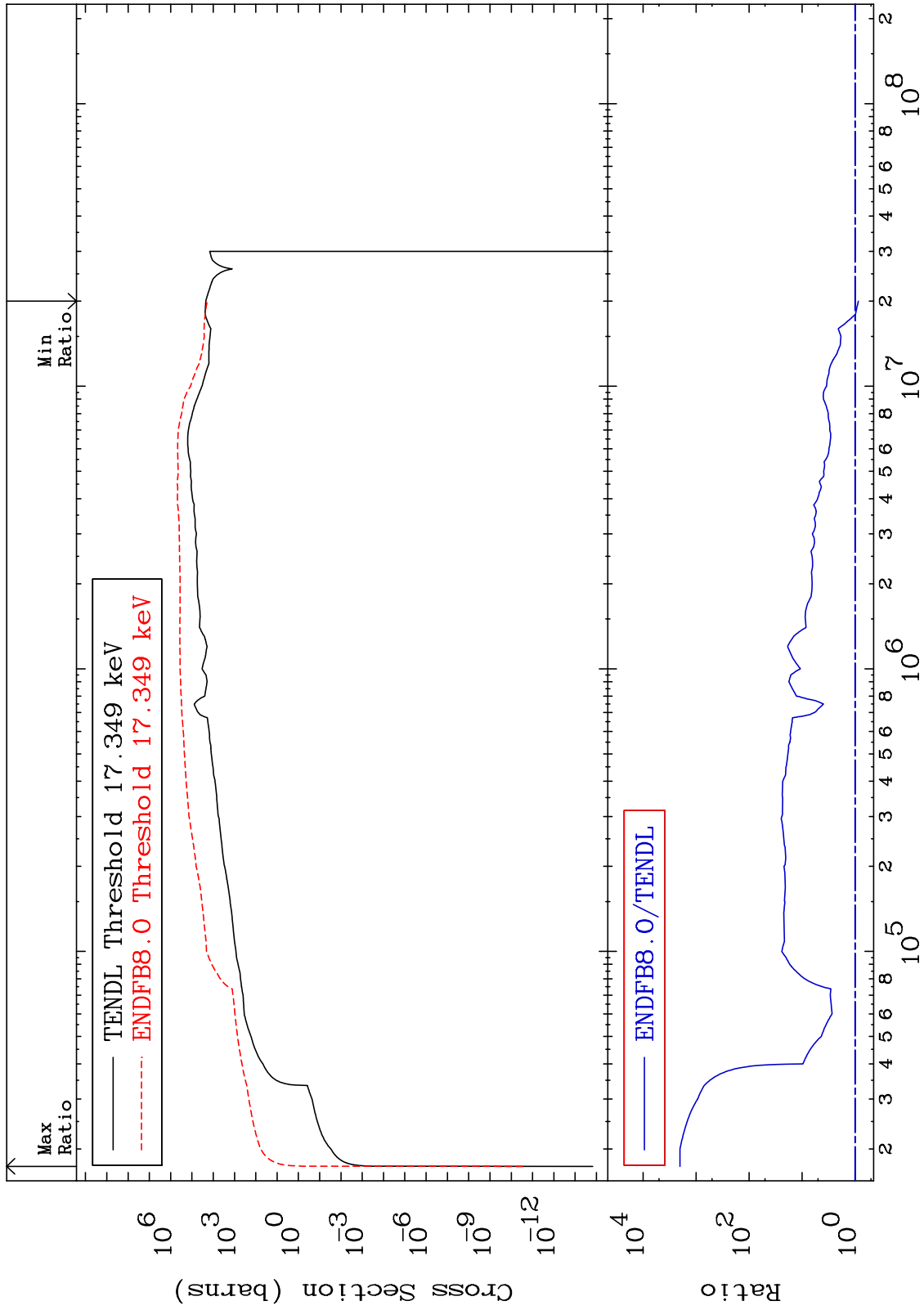
Incident Energy (eV)

61-Pm-146

MAT 6146 Kerma non-elastic (all but mt2)
 Cross Section 61-Pm-146
 -15.63 To 9999. %



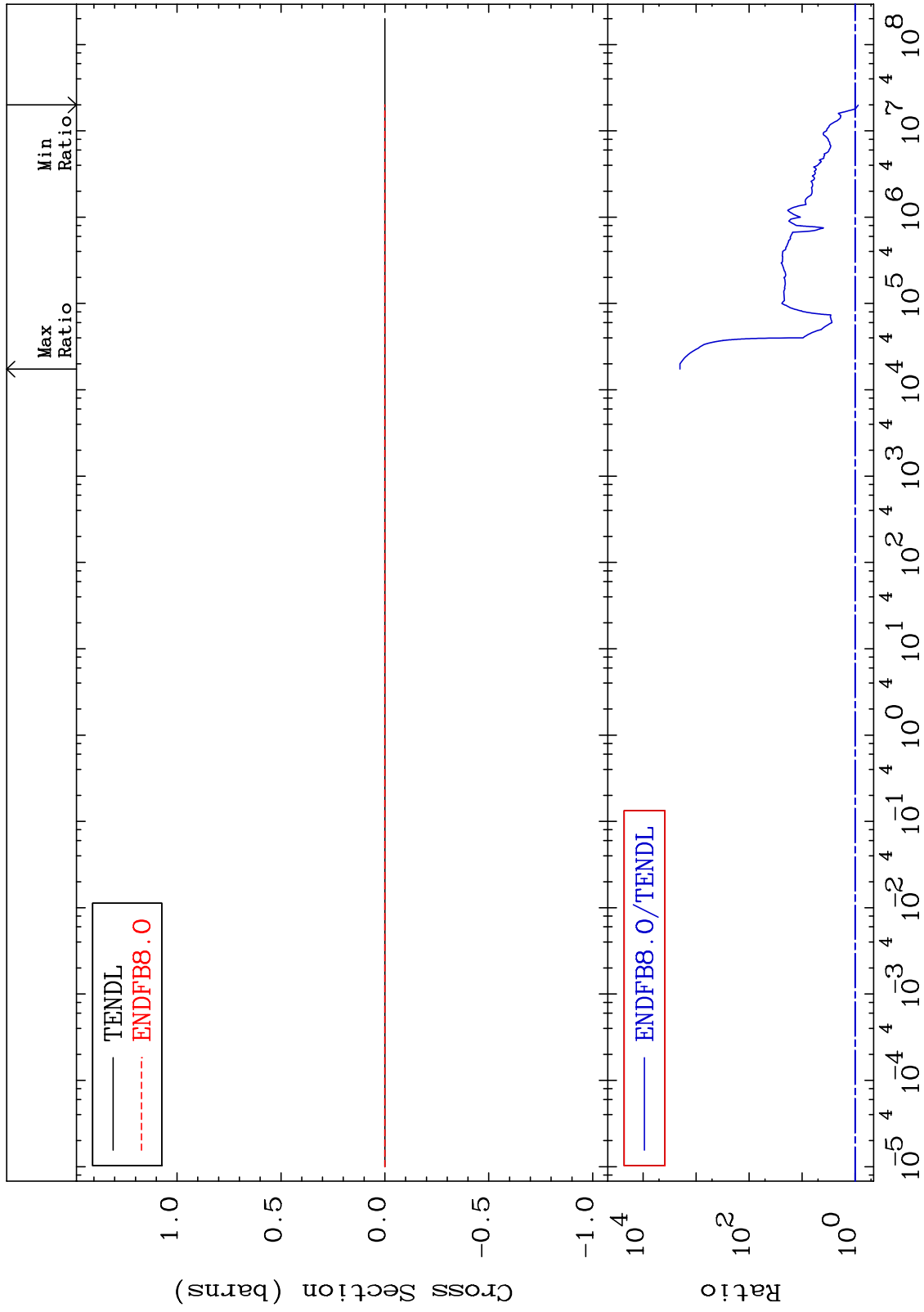
MAT 6146 Kerma inelastic (mt51-91) 61-Pm-146
 Cross Section -13.53 To 9999. %



MAT 6146

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

61-Pm-146
-13.53 To 9999. %



48

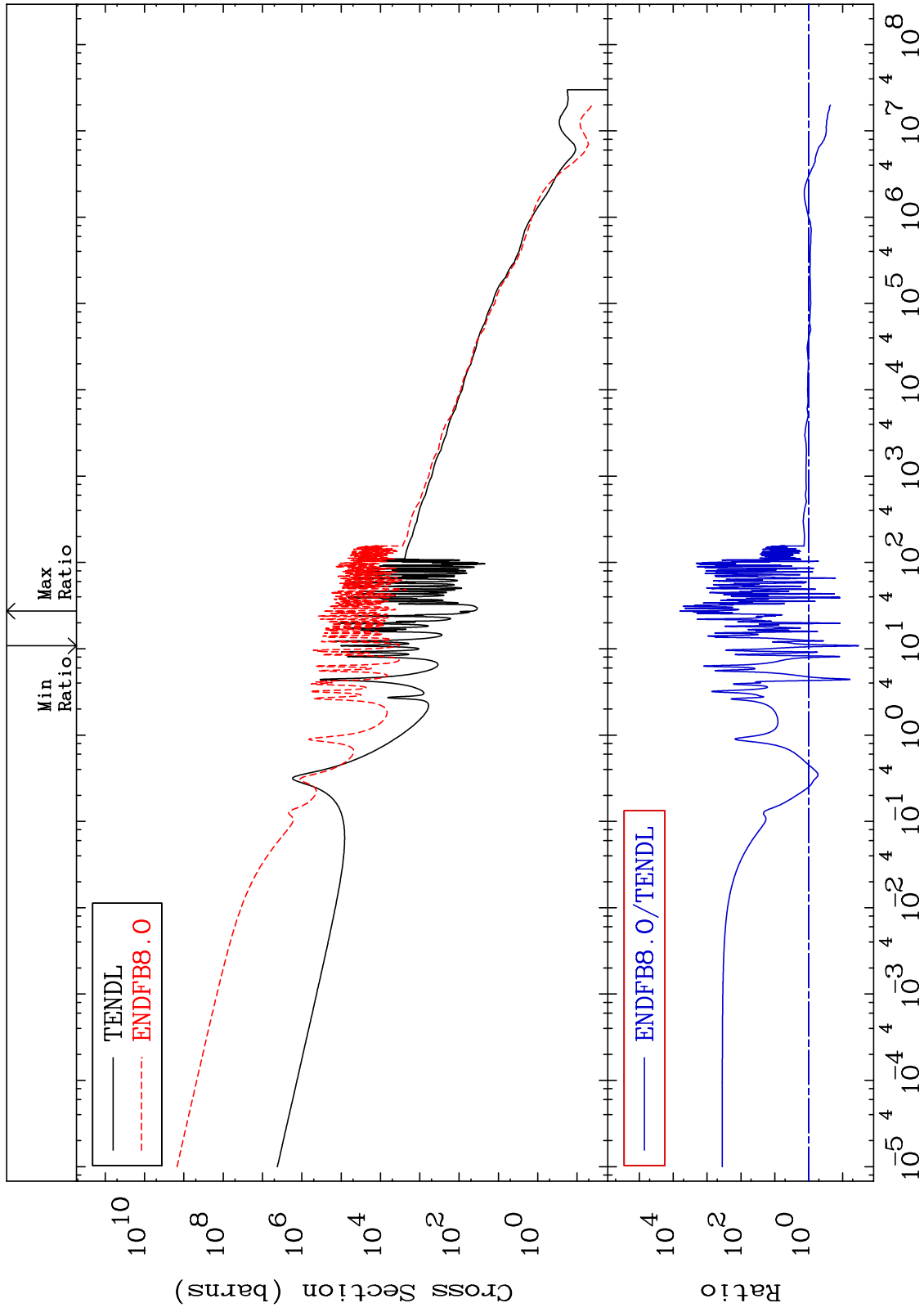
Incident Energy (eV)

61-Pm-146

MAT 6146

Kerma capture (mt102)
Cross Section

61-Pm-146
-96.59 To 9999. %



49

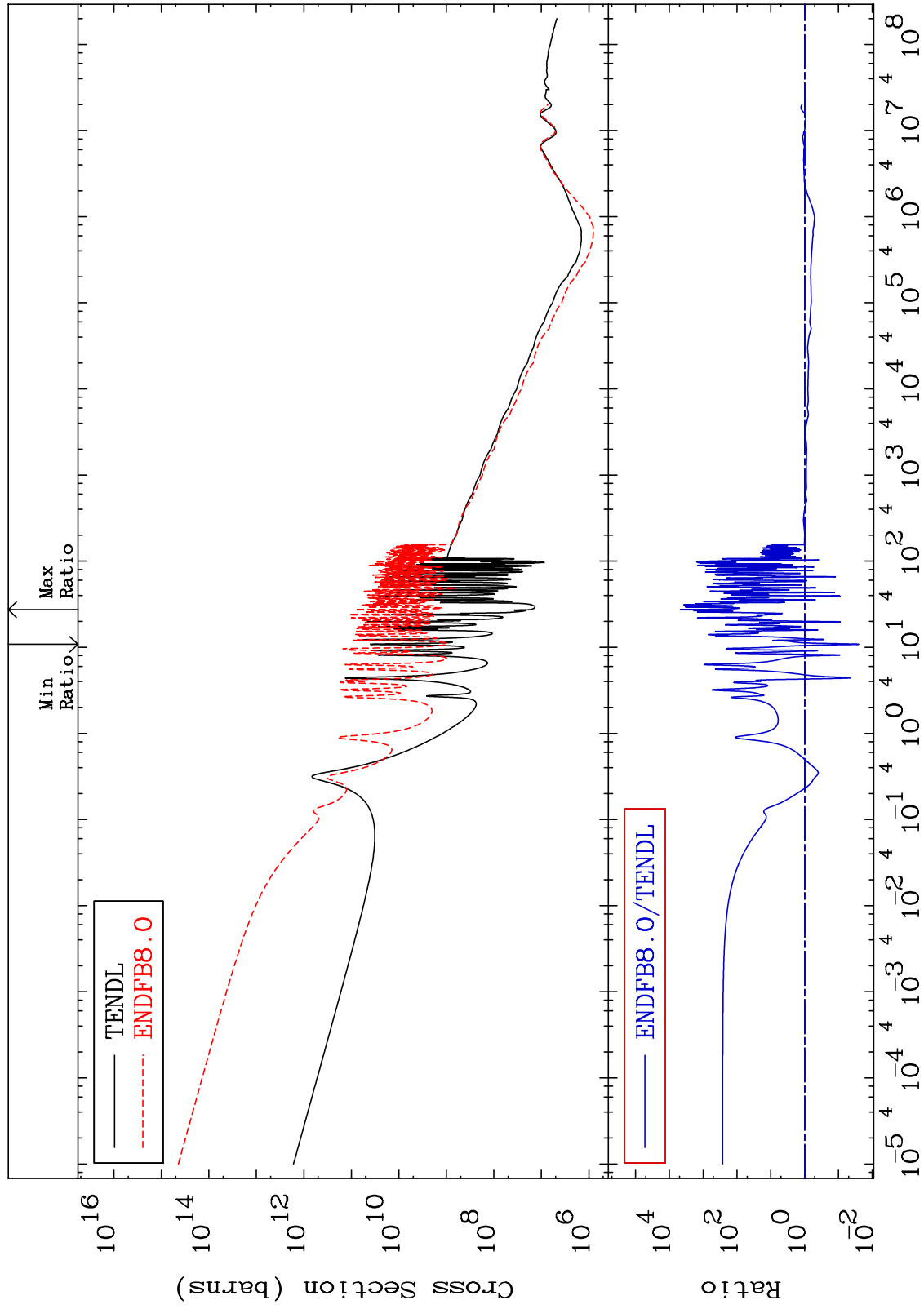
Incident Energy (eV)

61-Pm-146

MAT 6146

Total photon (eV-barns)
Cross Section

61-Pm-146
-97.46 To 9999. %

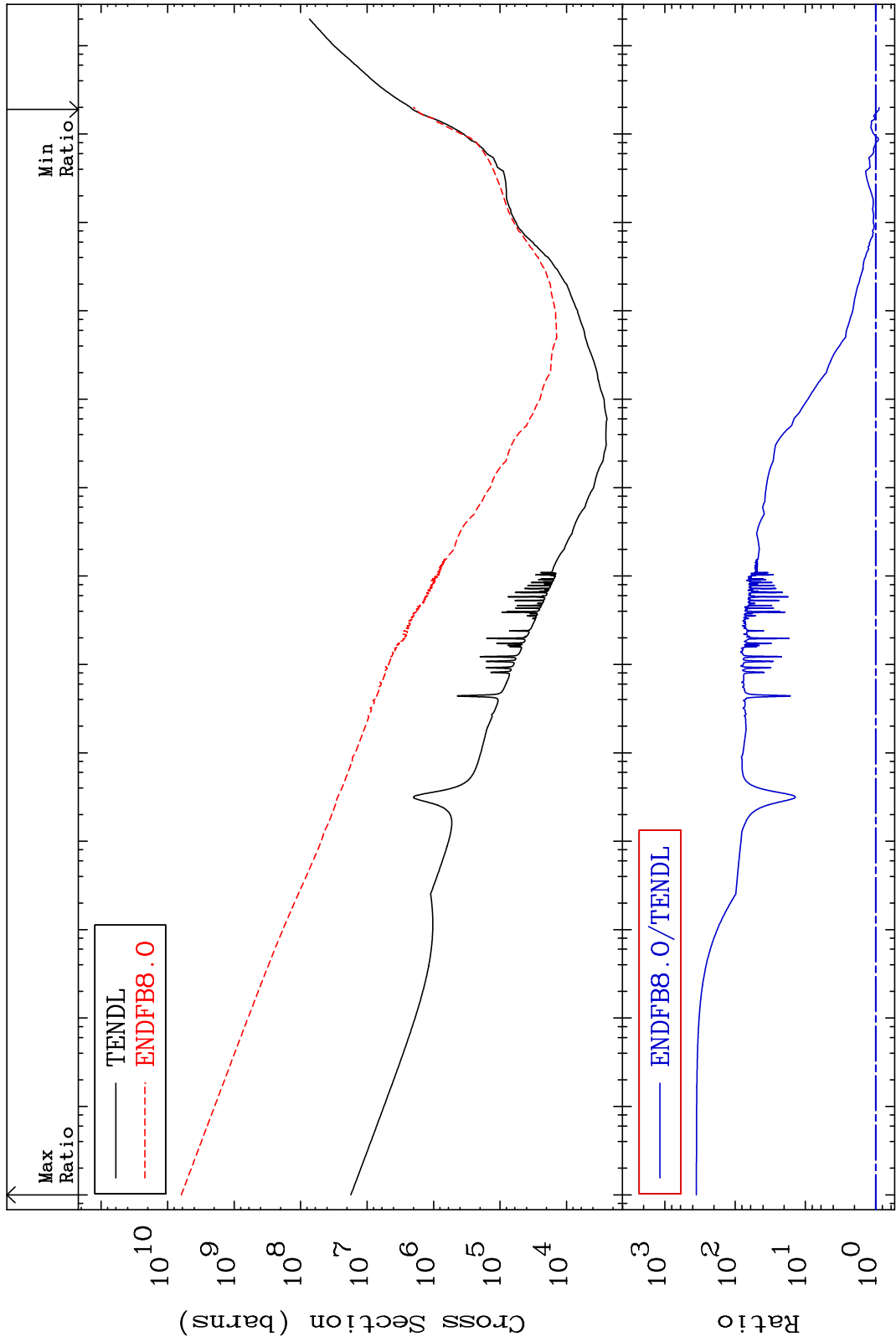


50

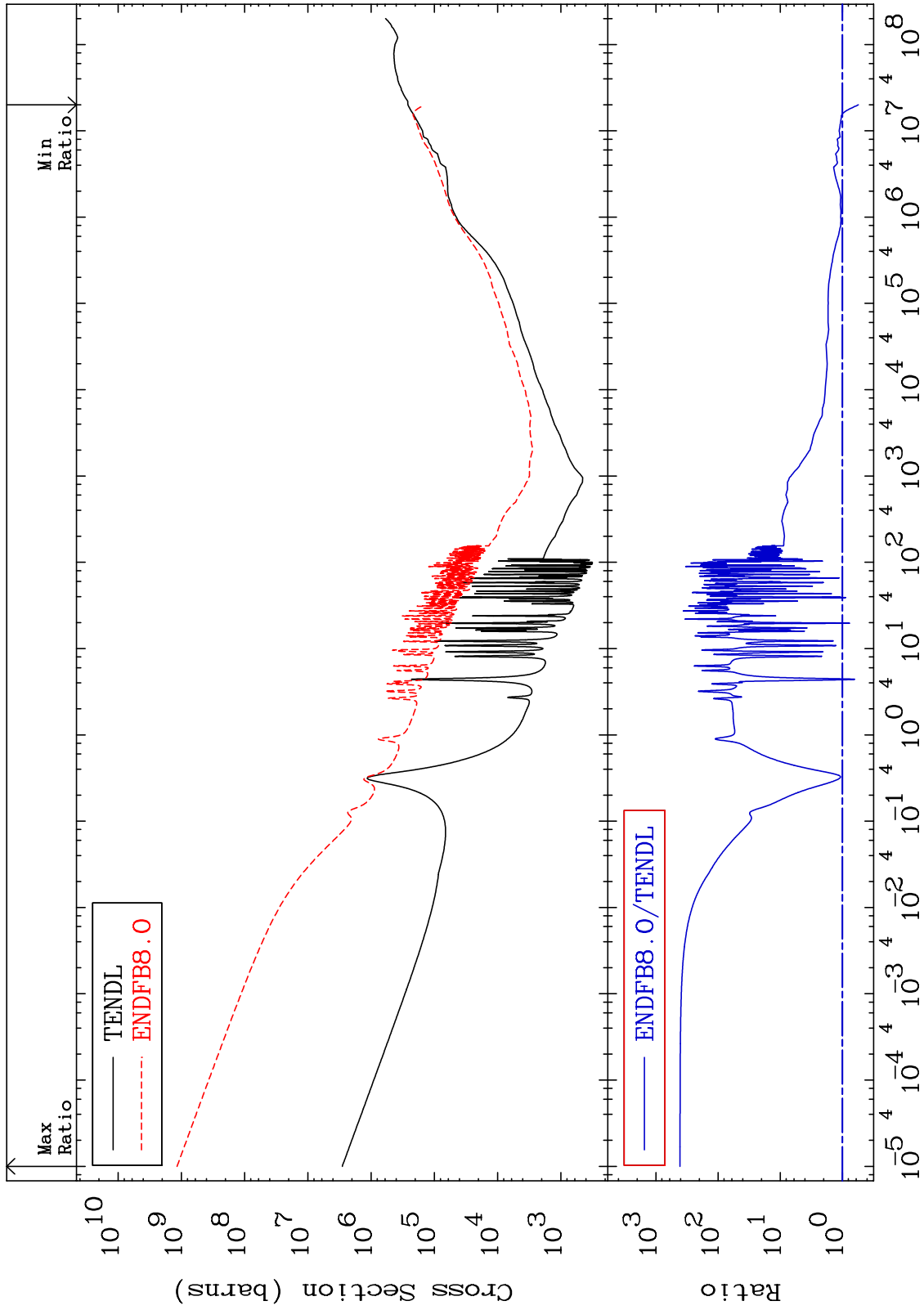
Incident Energy (eV)

61-Pm-146

MAT 6146 Total kinematic kerma (high limit) 61-Pm-146
 Cross Section -10.85 To 9999. %



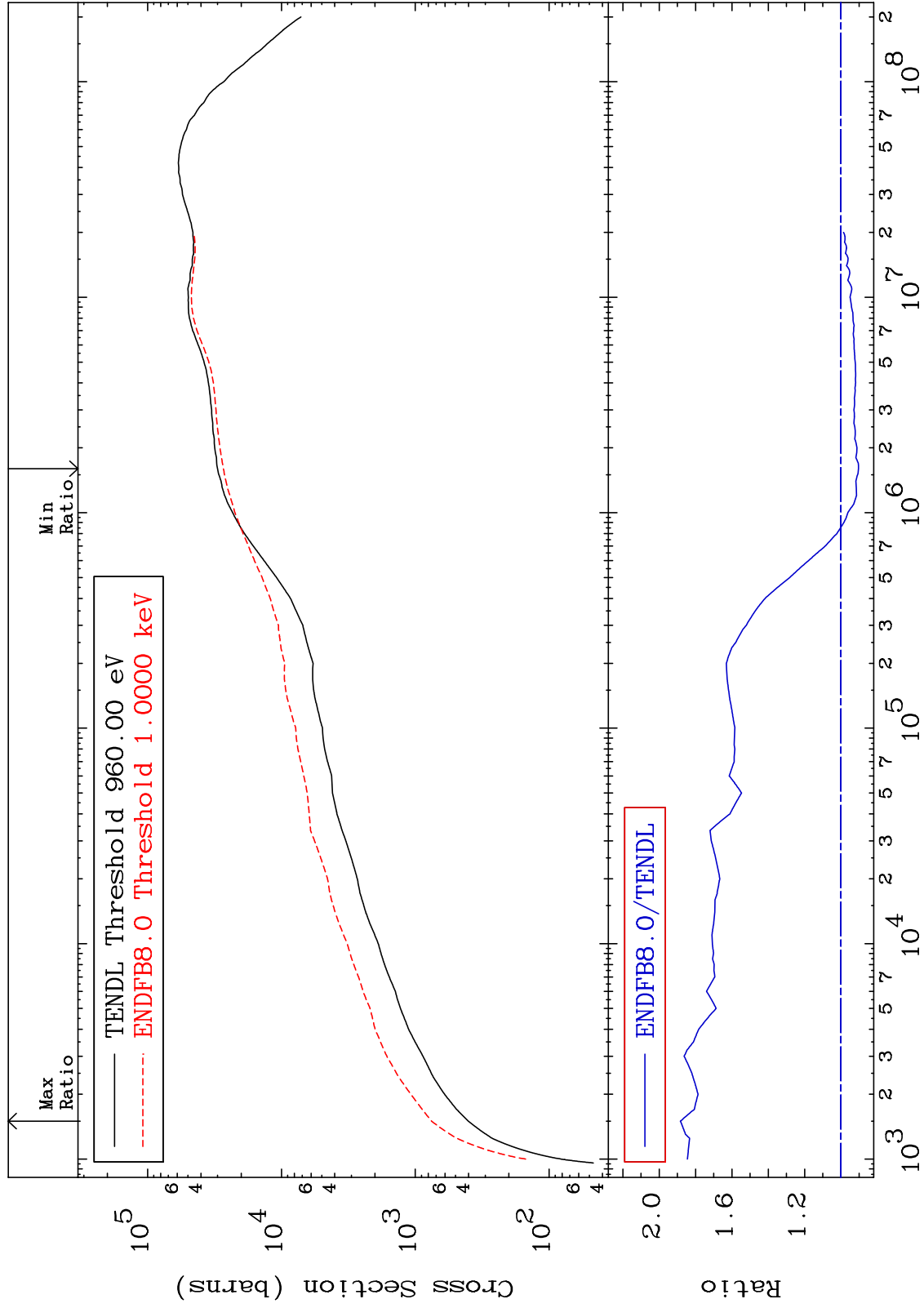
MAT 6146 Dpa total (eV-barns) 61-Pm-146
 Cross Section -44.82 To 9999. %



MAT 6146

Dpa elastic (mt2)
Cross Section

61-Pm-146
-9.684 To 88.33 %



53

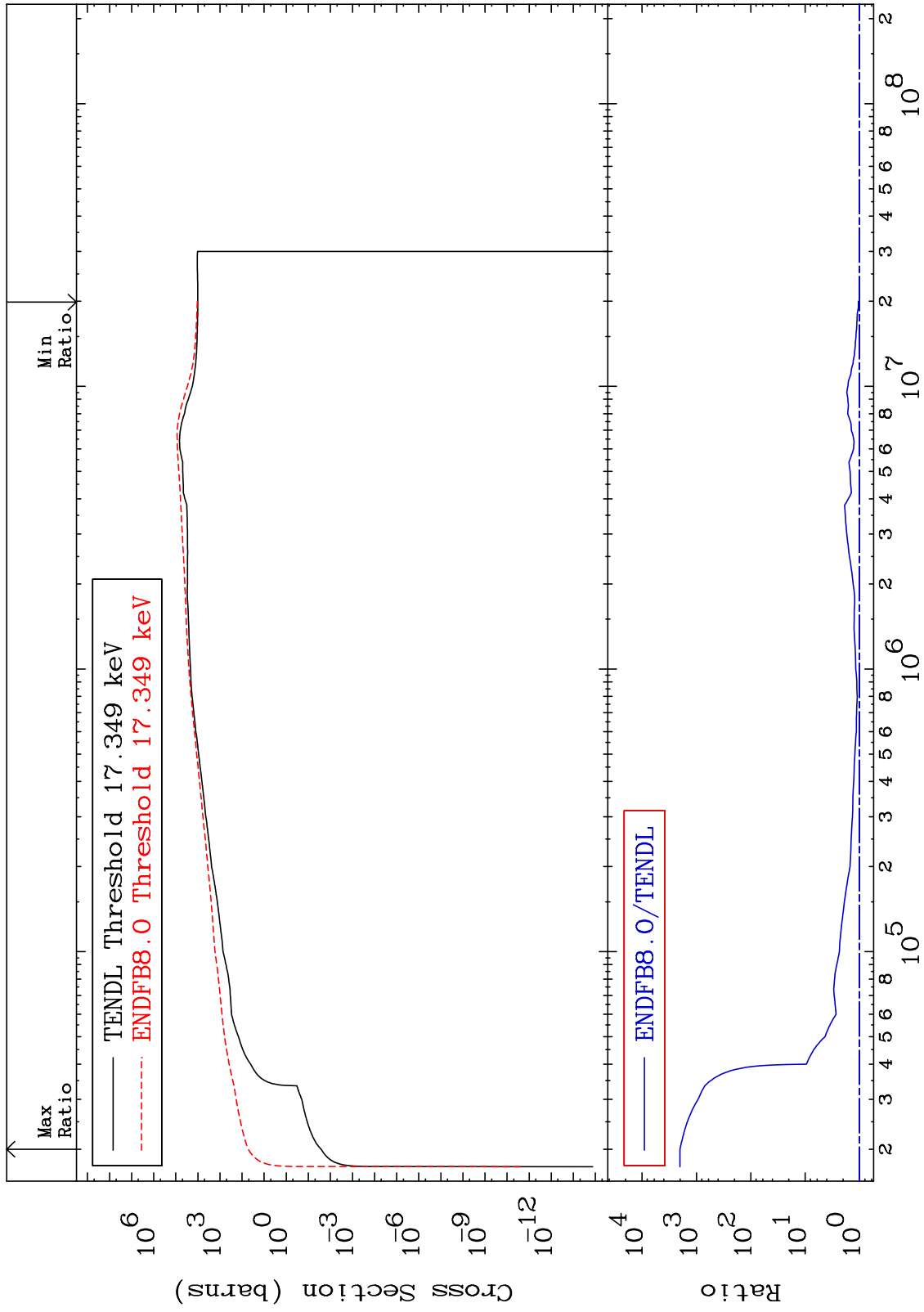
61-Pm-146

61-Pm-146

MAT 6146

Dpa inelastic (mt51-91)
Cross Section

61-Pm-146
4.974 To 9999. %



MAT 6146

Dpa disappearance (mt102 -120)
Cross Section

61-Pm-146
-61.72 To 9999. %

