

Program Complot
(Version 2018-1)

by

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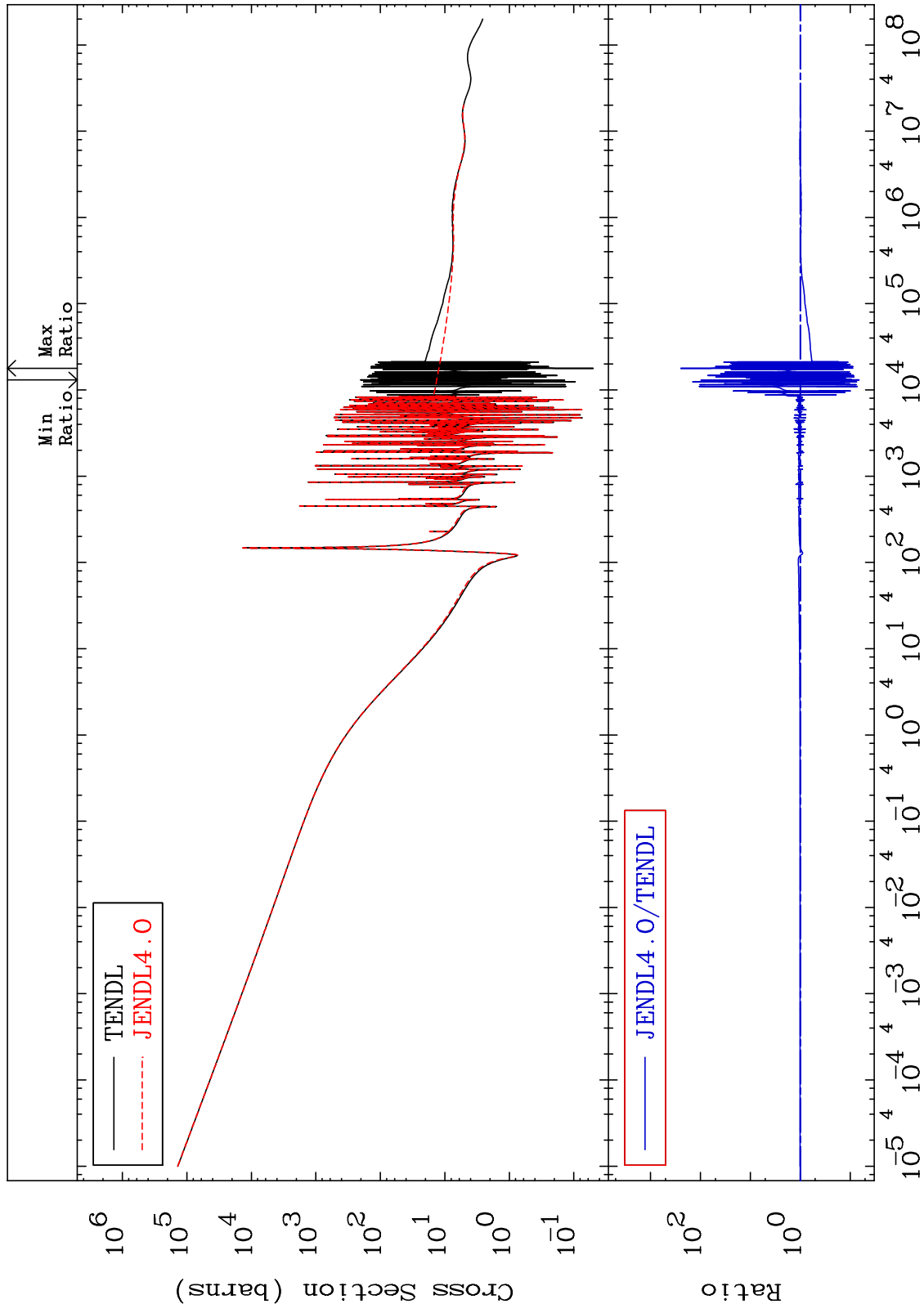
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6649

Total
Cross Section

66-Dy-164
-93.36 To 9999. %

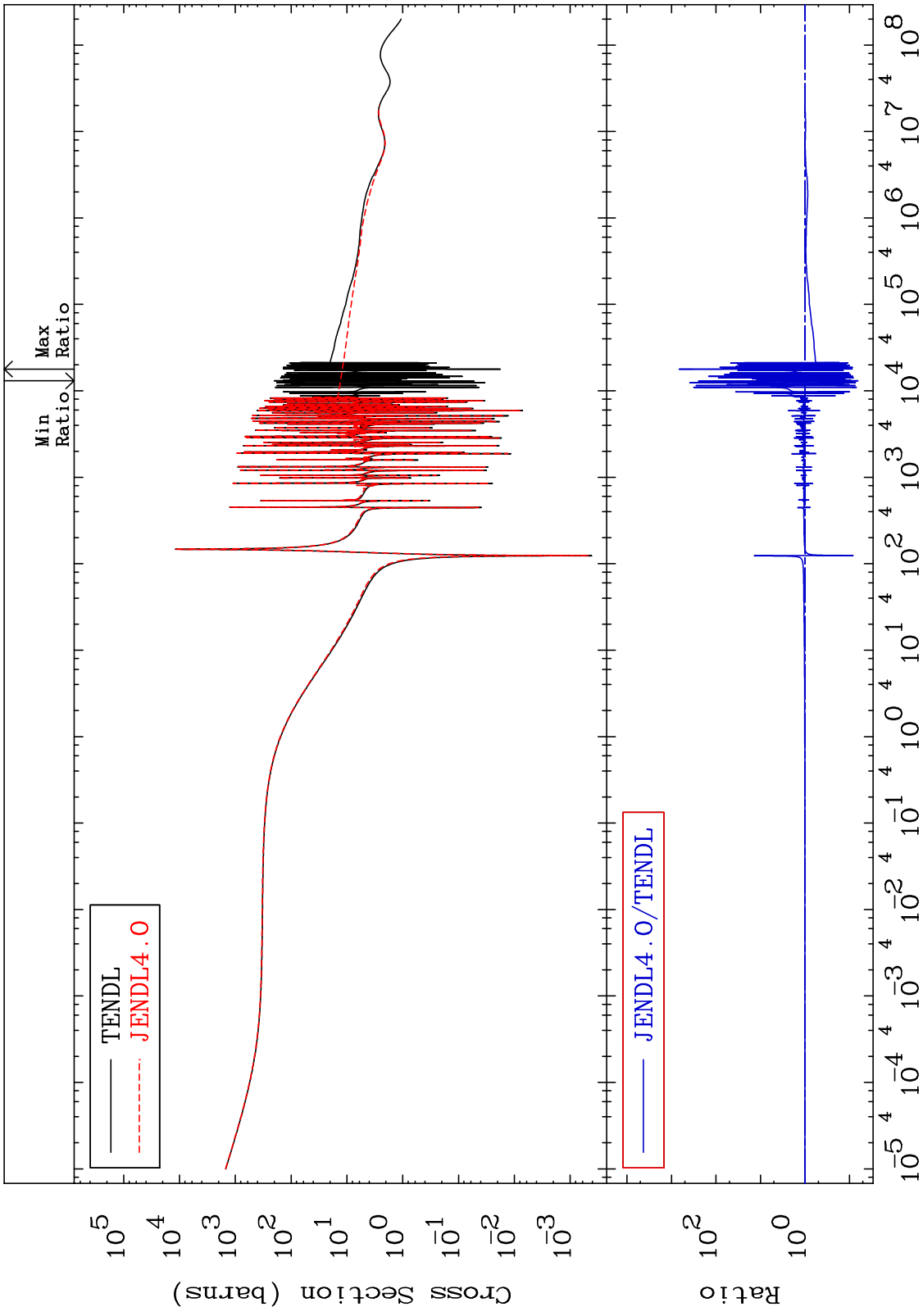


Incident Energy (eV)

66-Dy-164

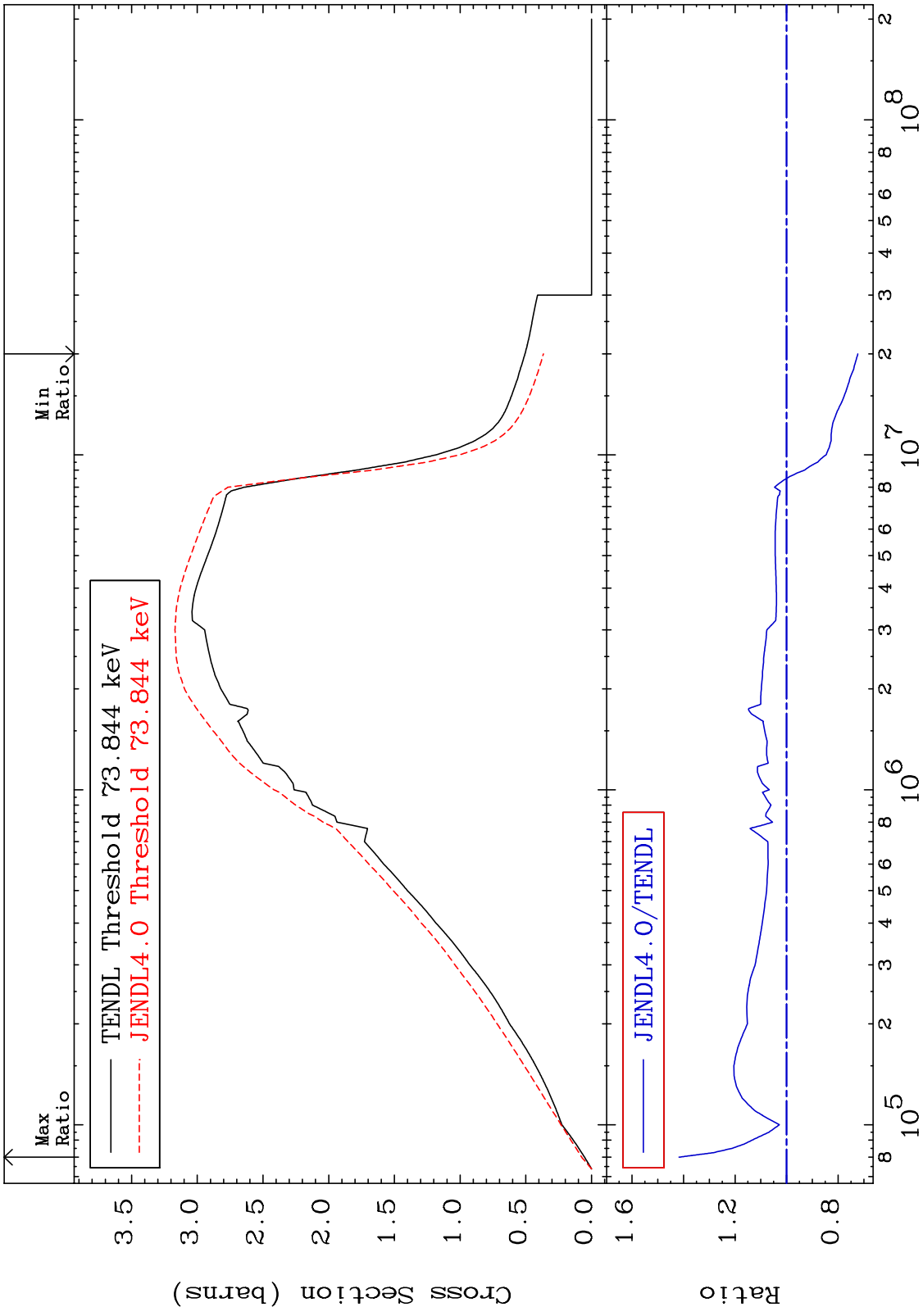
1

MAT 6649 Elastic Cross Section 66-Dy-164 -93.50 To 9999. %



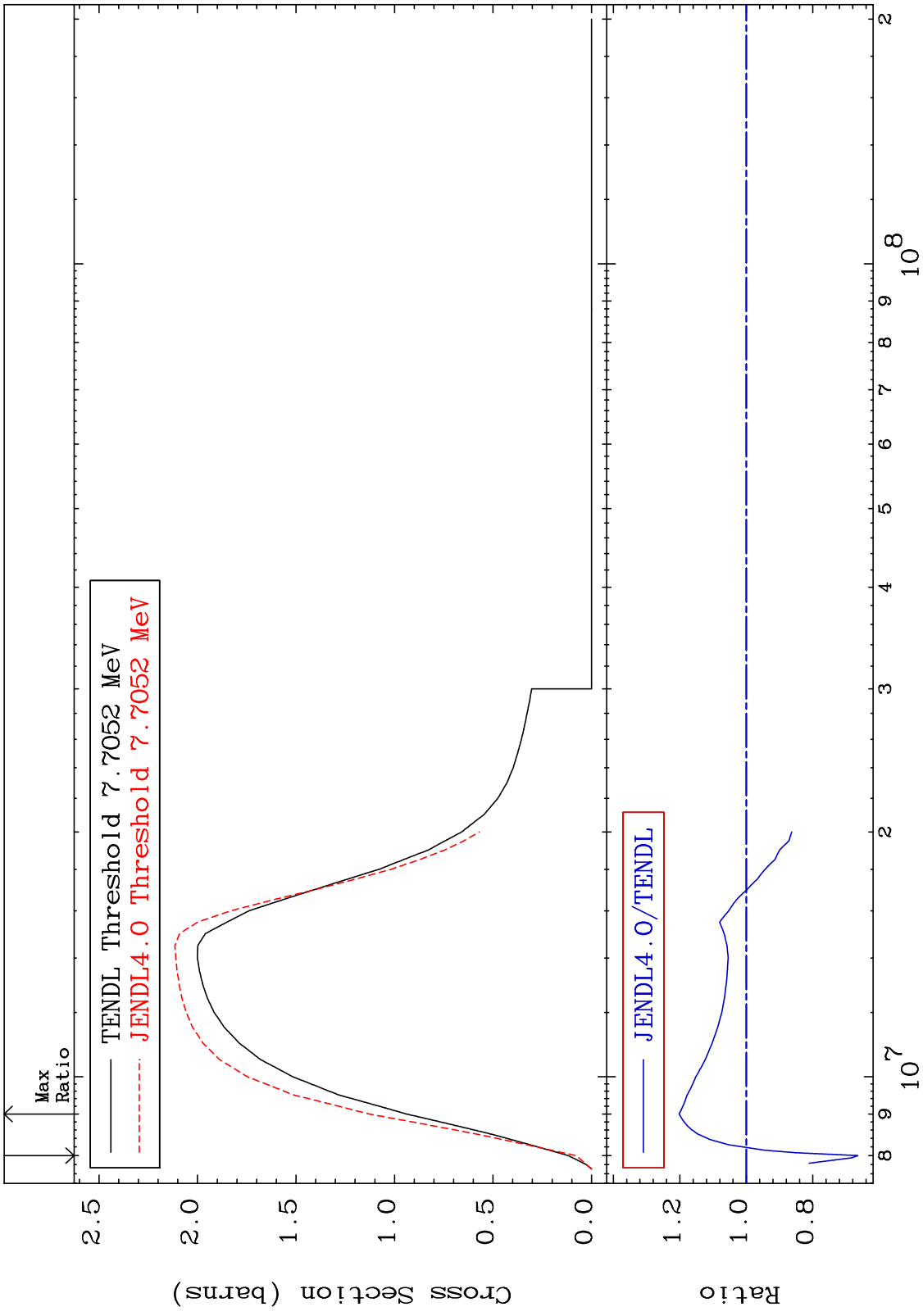
2 66-Dy-164

MAT 6649 Inelastic Cross Section 66-Dy-164 -27.66 To 41.74 %



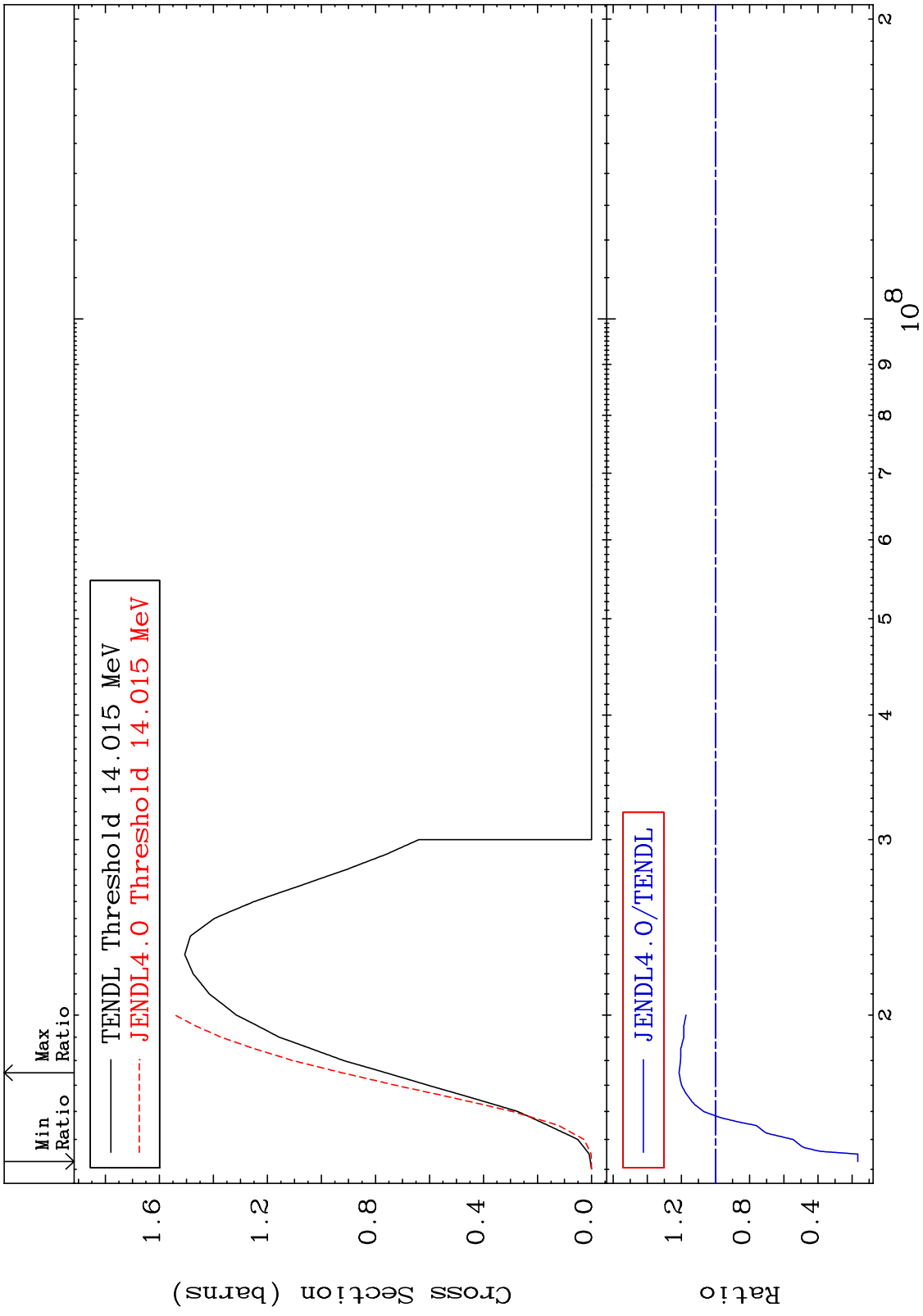
3 66-Dy-164

MAT 6649 (n,2n) Cross Section 66-Dy-164 -33.53 To 20.24 %

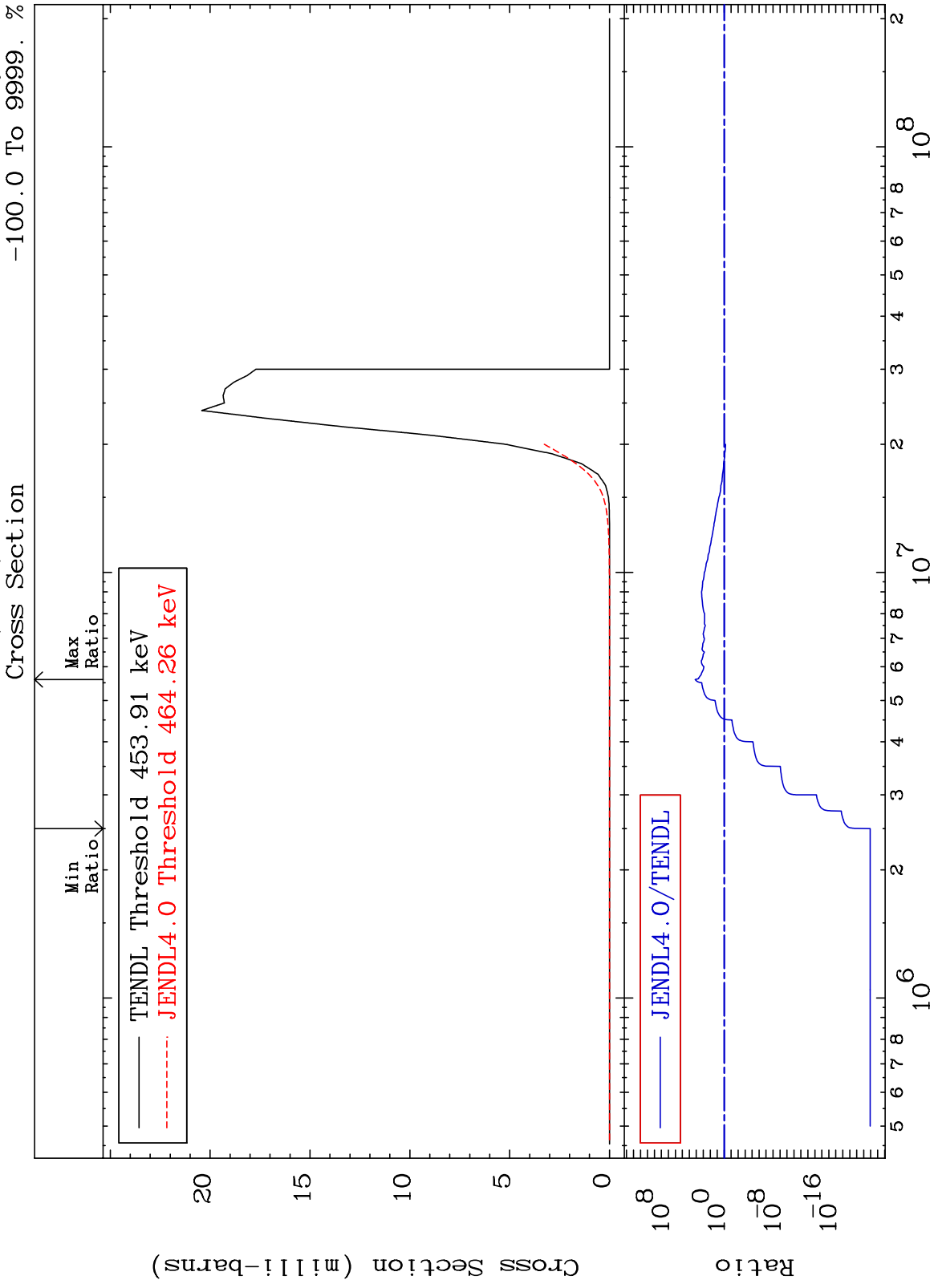


4 Incident Energy (eV) 66-Dy-164

MAT 6649 (n,3n) Cross Section 66-Dy-164 -83.38 To 21.38 %

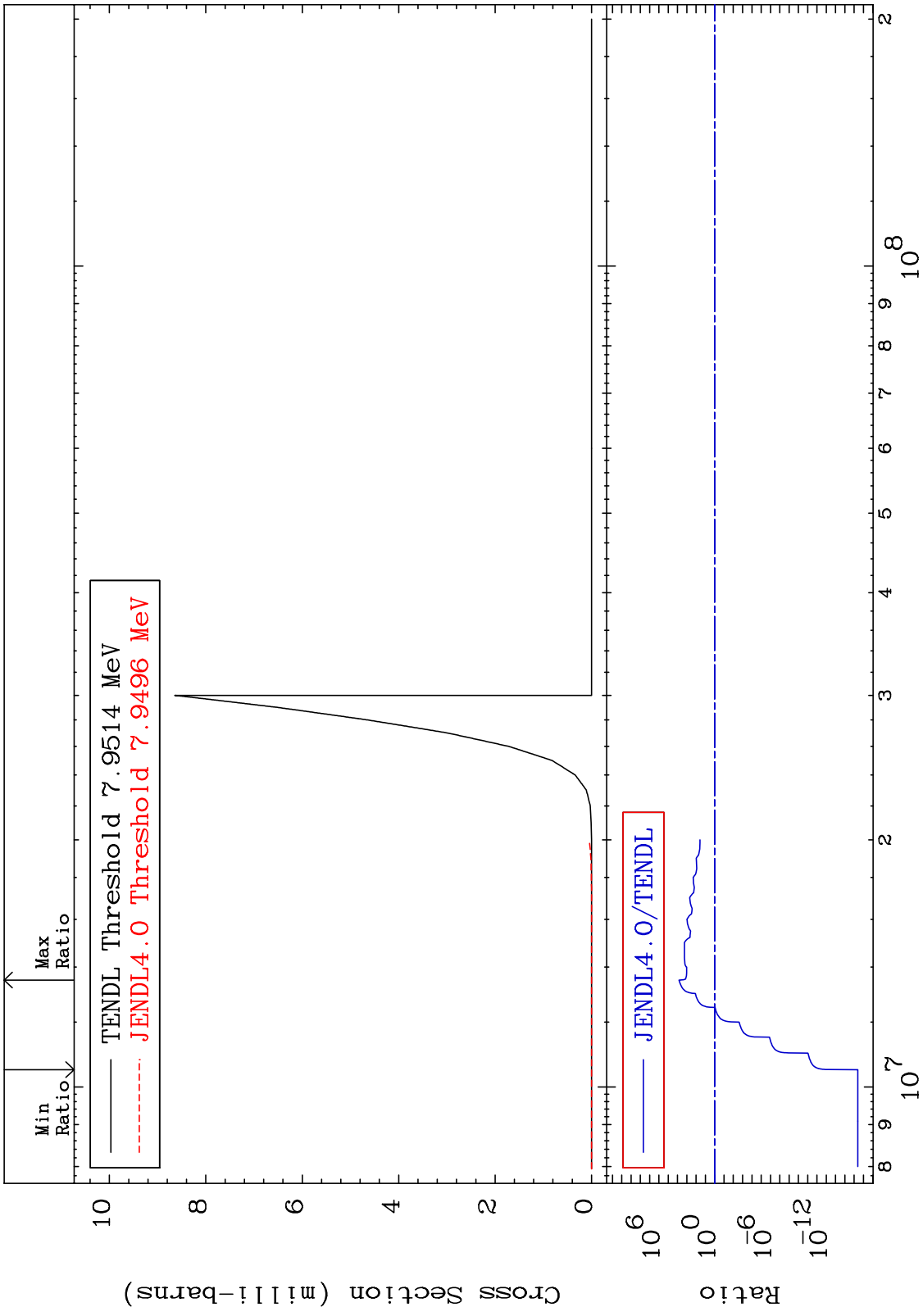


MAT 6649 $(n, n') \alpha$ 66-Dy-164 -100.0 To 9999. %



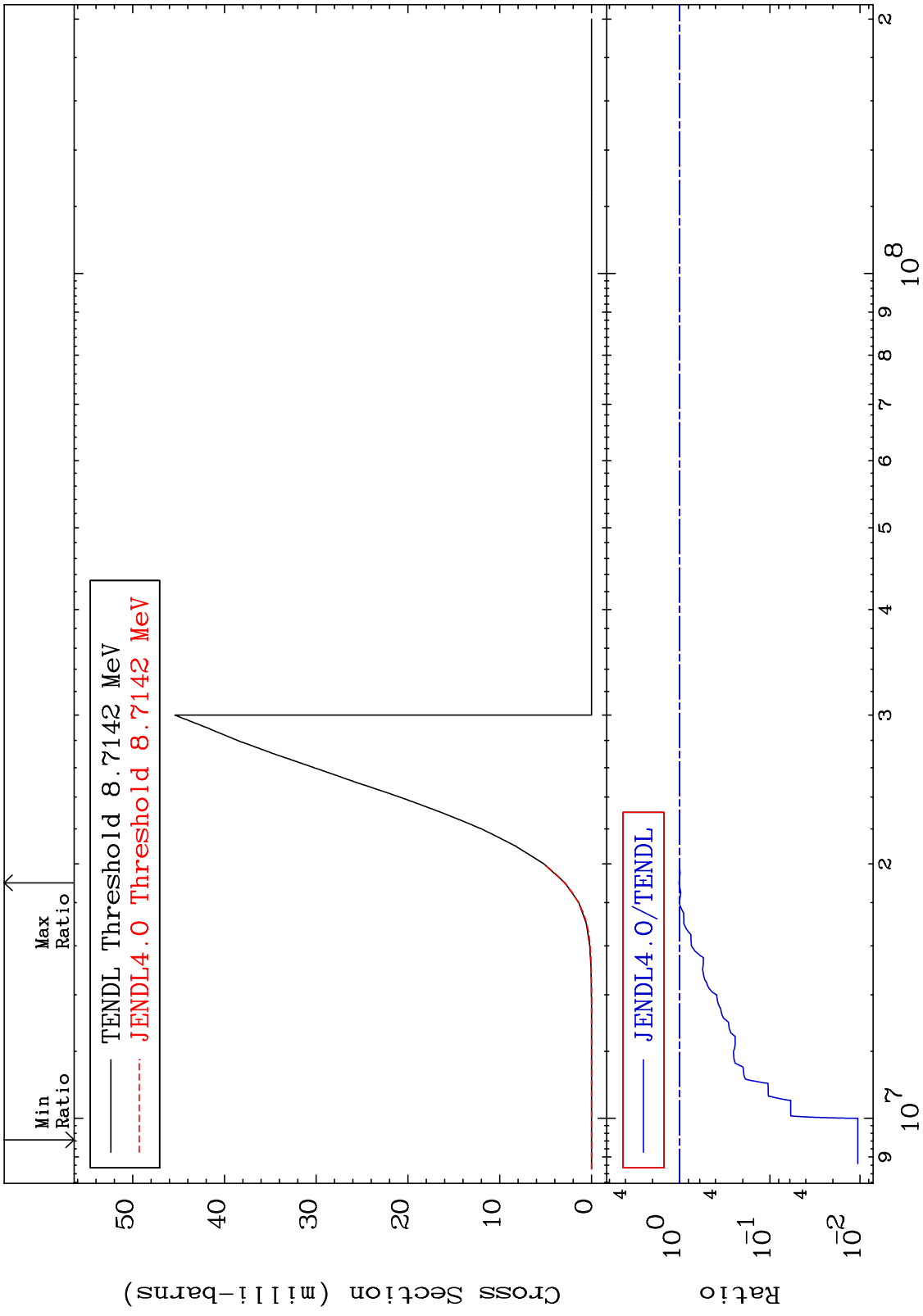
6 66-Dy-164

MAT 6649 $(n, 2n) \alpha$ 66-Dy-164
 Cross Section -100.0 To 9999. %



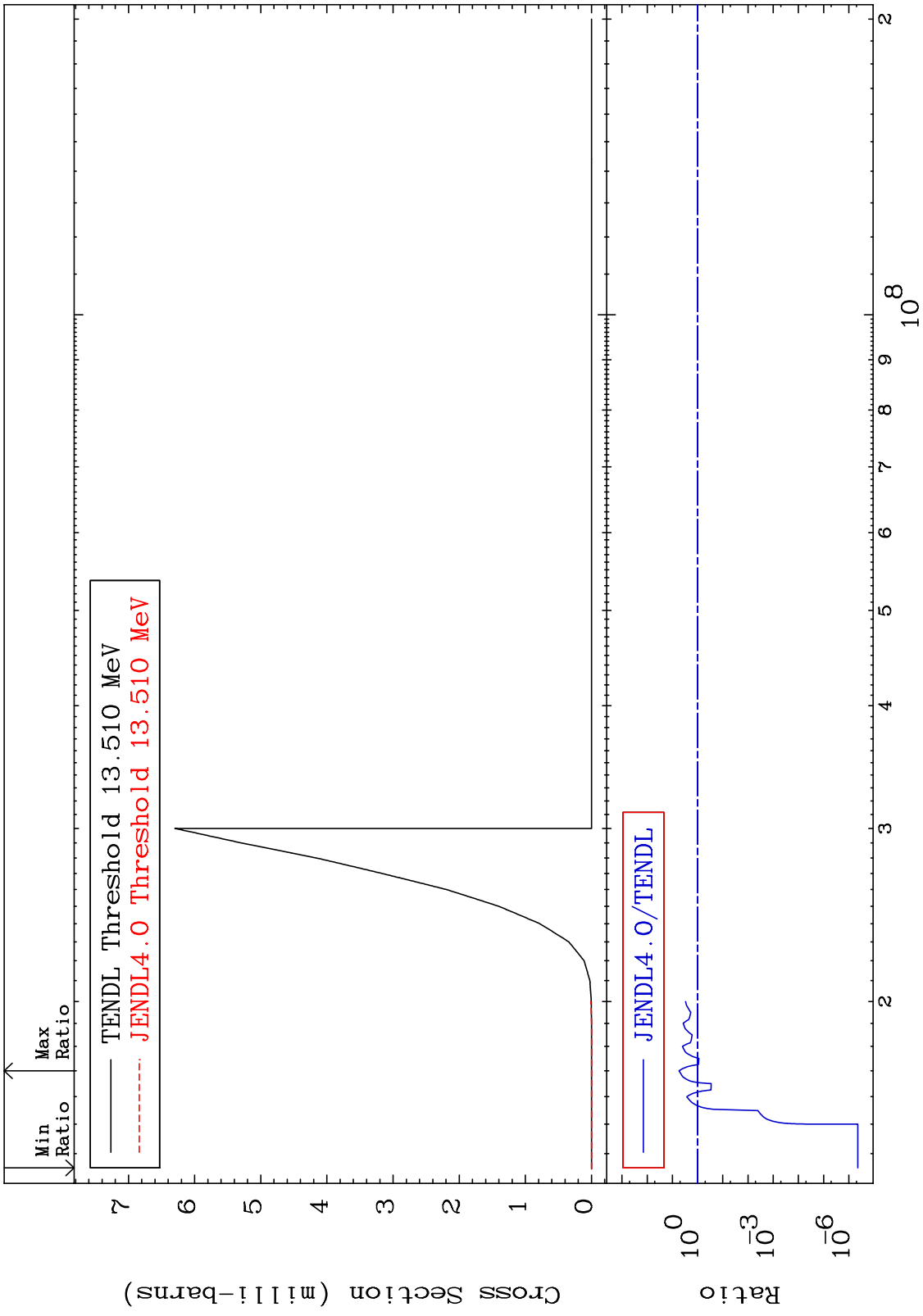
7 8 9 10⁷ 10⁸ 2
 66-Dy-164

MAT 6649 (n, n') p $^{66}\text{Dy-164}$
 Cross Section -98.94 To 1.641 %

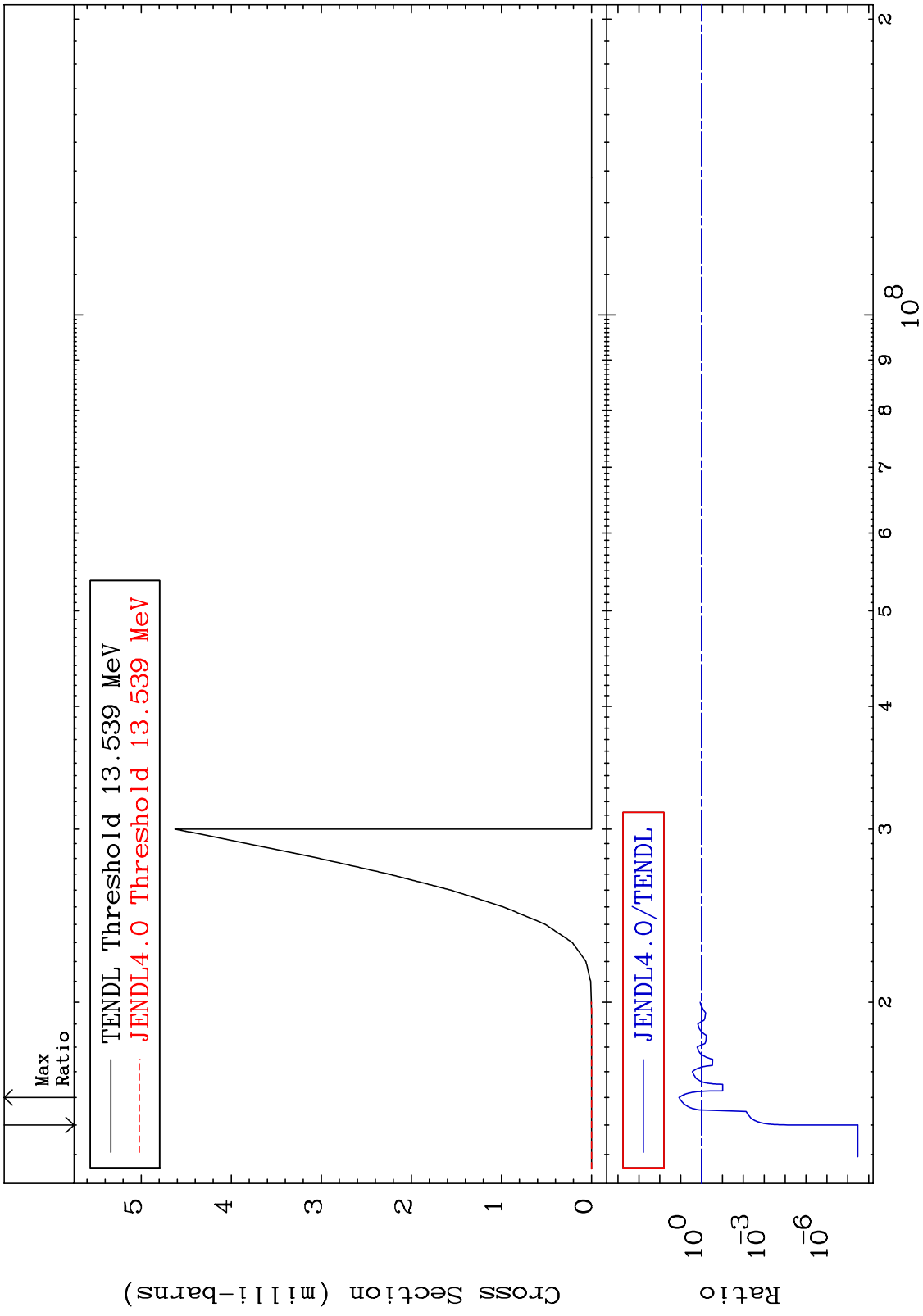


8 Incident Energy (eV) $^{66}\text{Dy-164}$

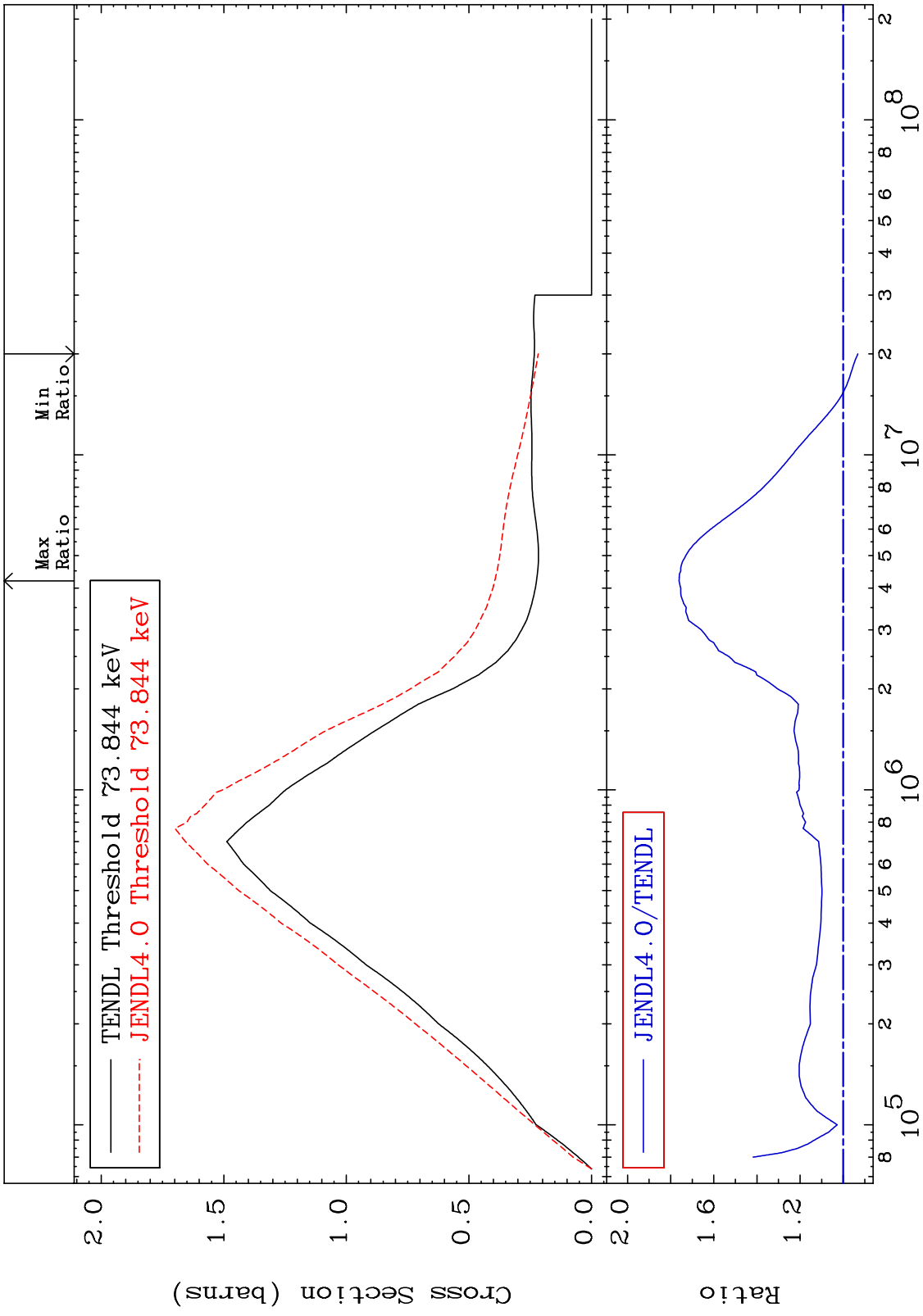
MAT 6649 (n,n') d 66-Dy-164
 Cross Section -100.0 To 444.1 %



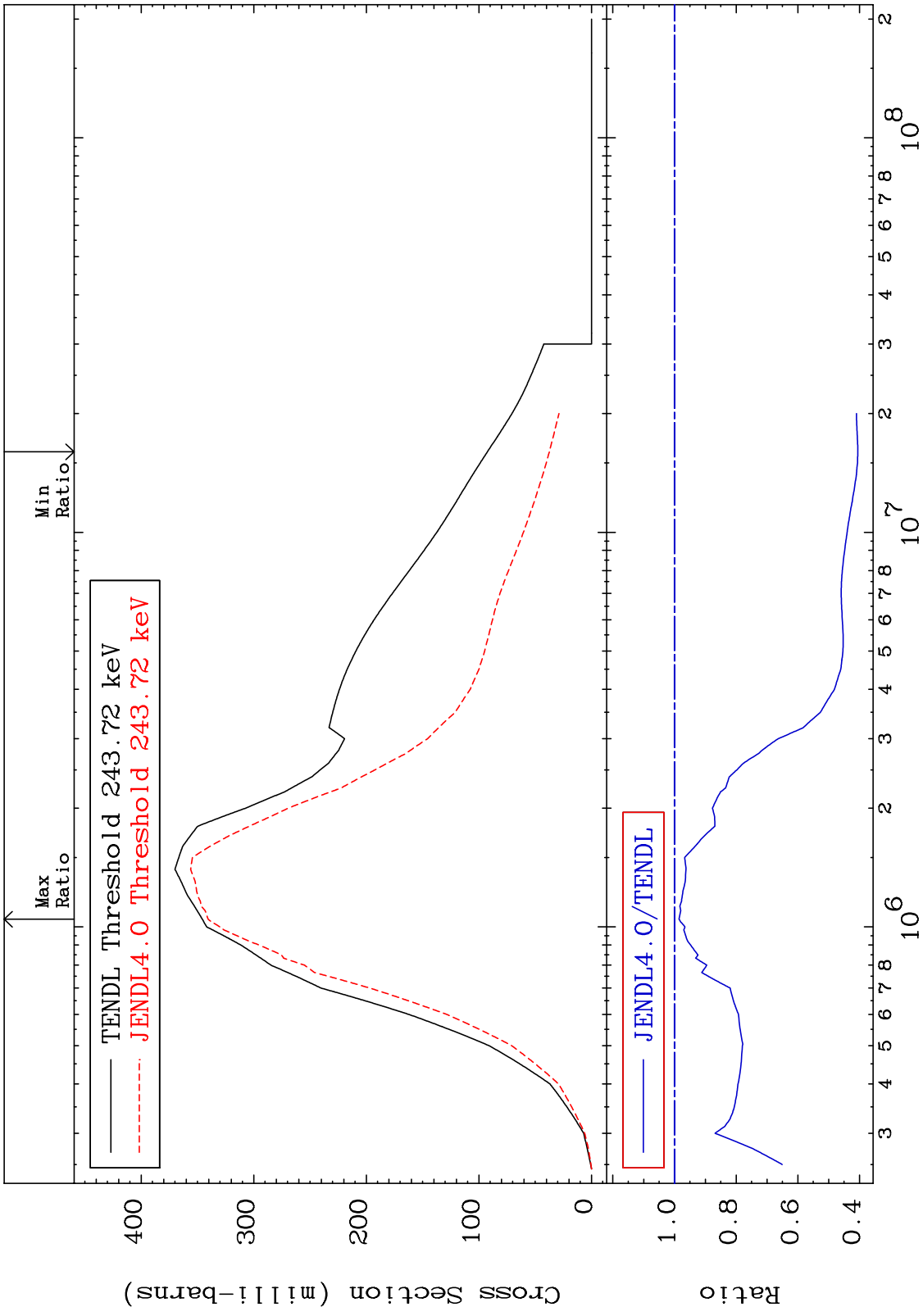
MAT 6649 (n,n') t 66-Dy-164
 Cross Section -100.0 To 1096. %



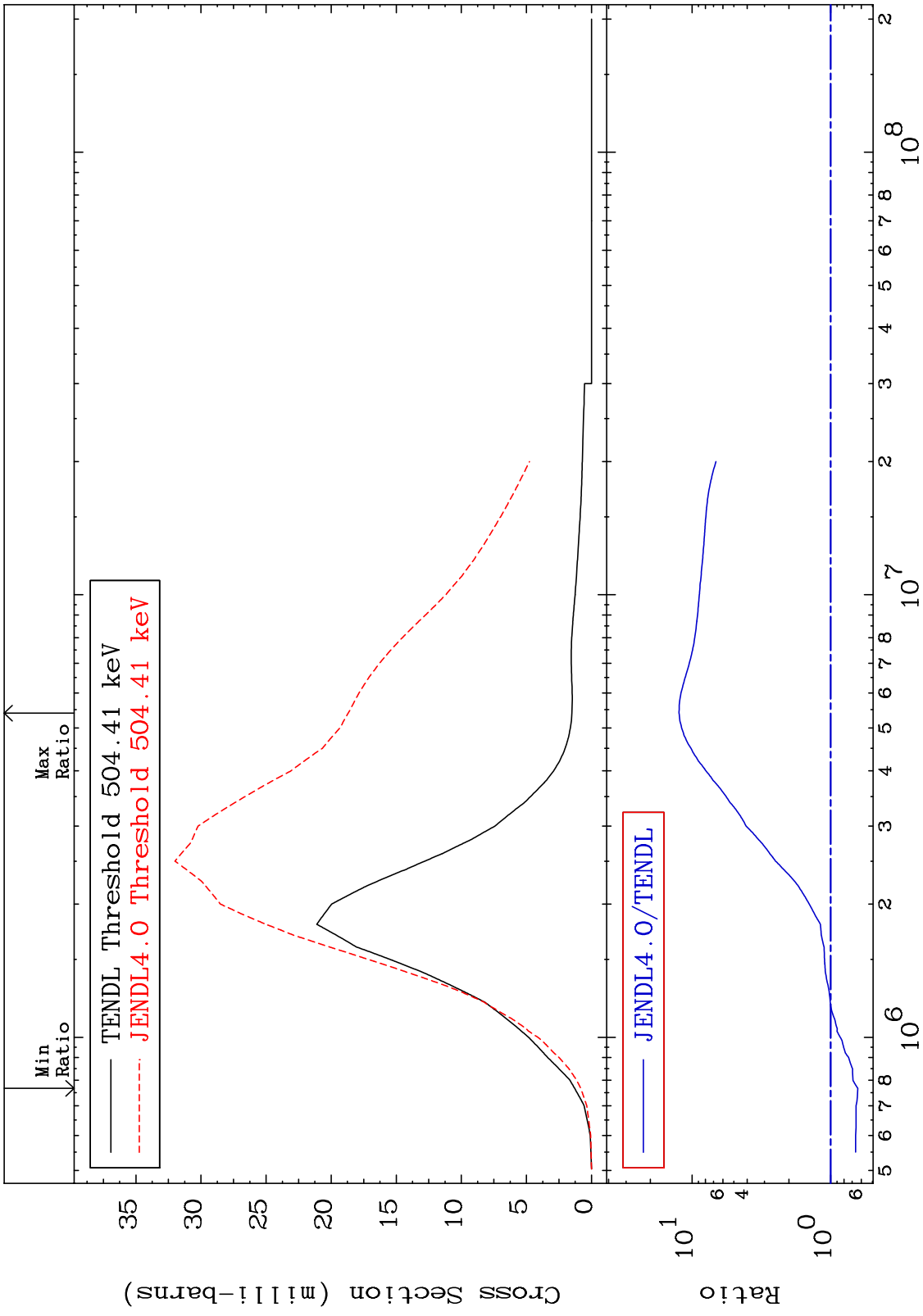
MAT 6649 MT= 51 (n,n') Level 66-Dy-164
 Cross Section -6.779 To 76.11 %



MAT 6649 MT= 52 (n,n') Level Cross Section 66-Dy-164
 -59.46 To -1.471%



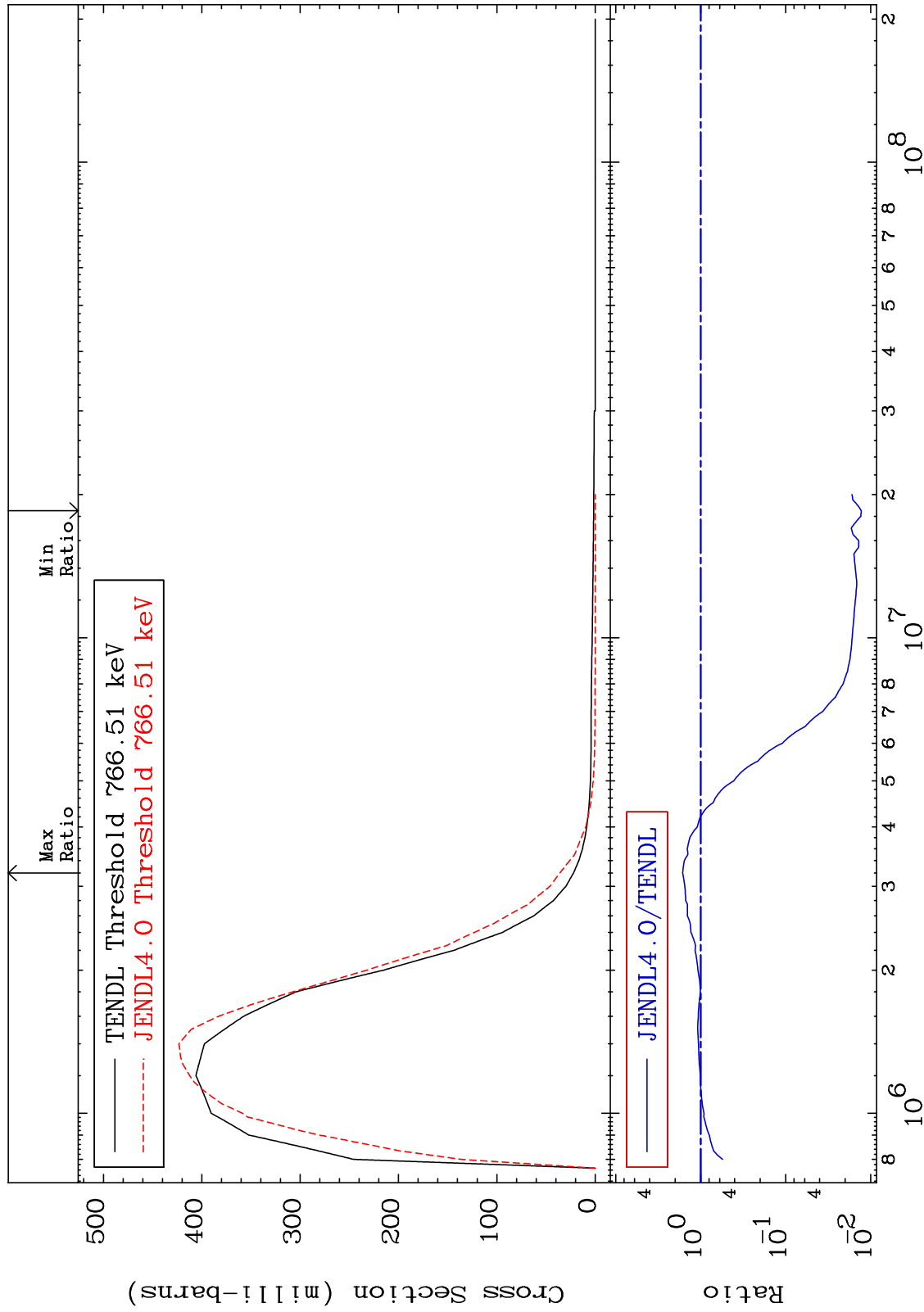
MAT 6649 MT= 53 (n,n') Level Cross Section 66-Dy-164
 -36.36 To 1142. %



MAT 6649

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

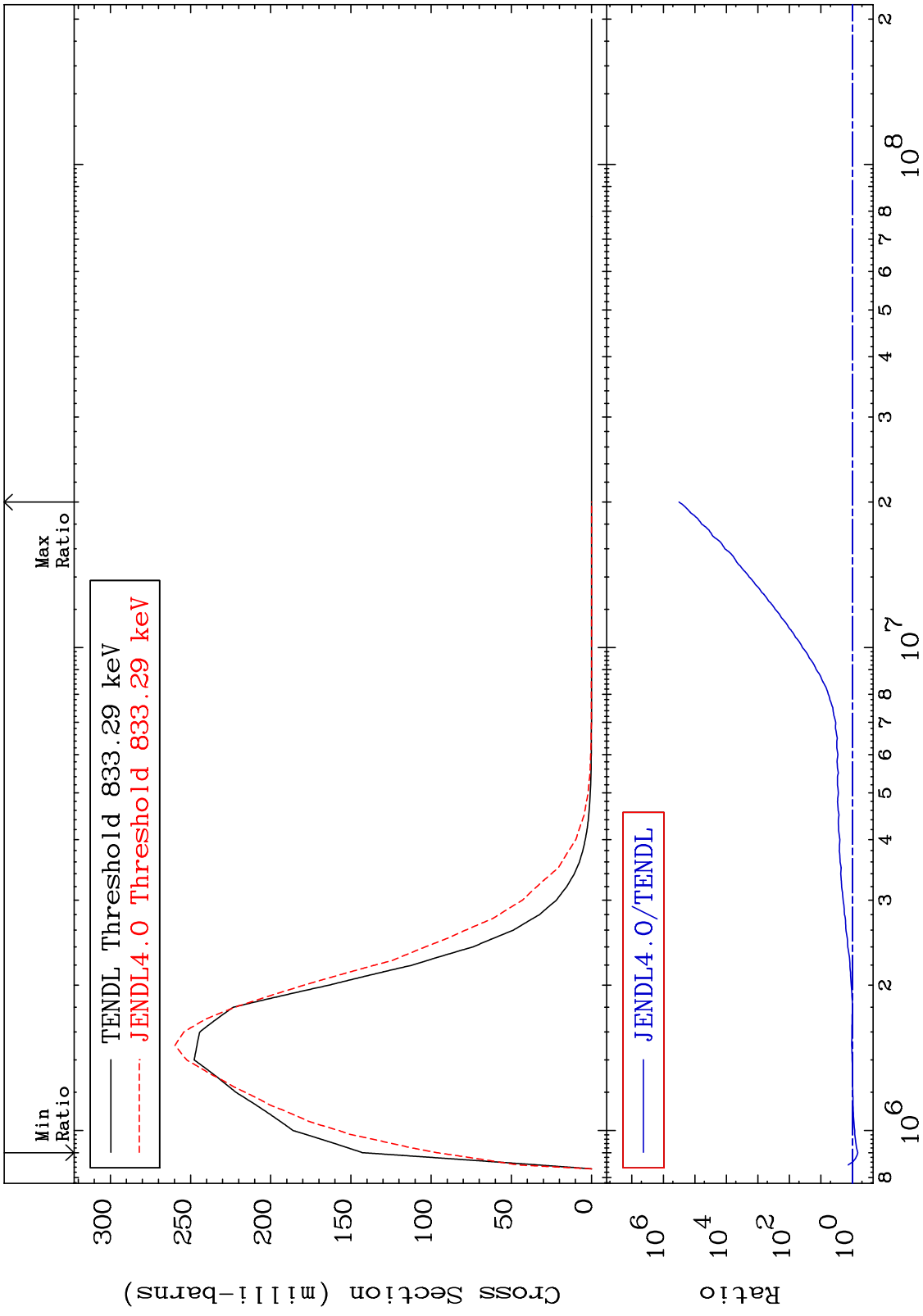
66-Dy-164
-98.71 To 63.34 %



14

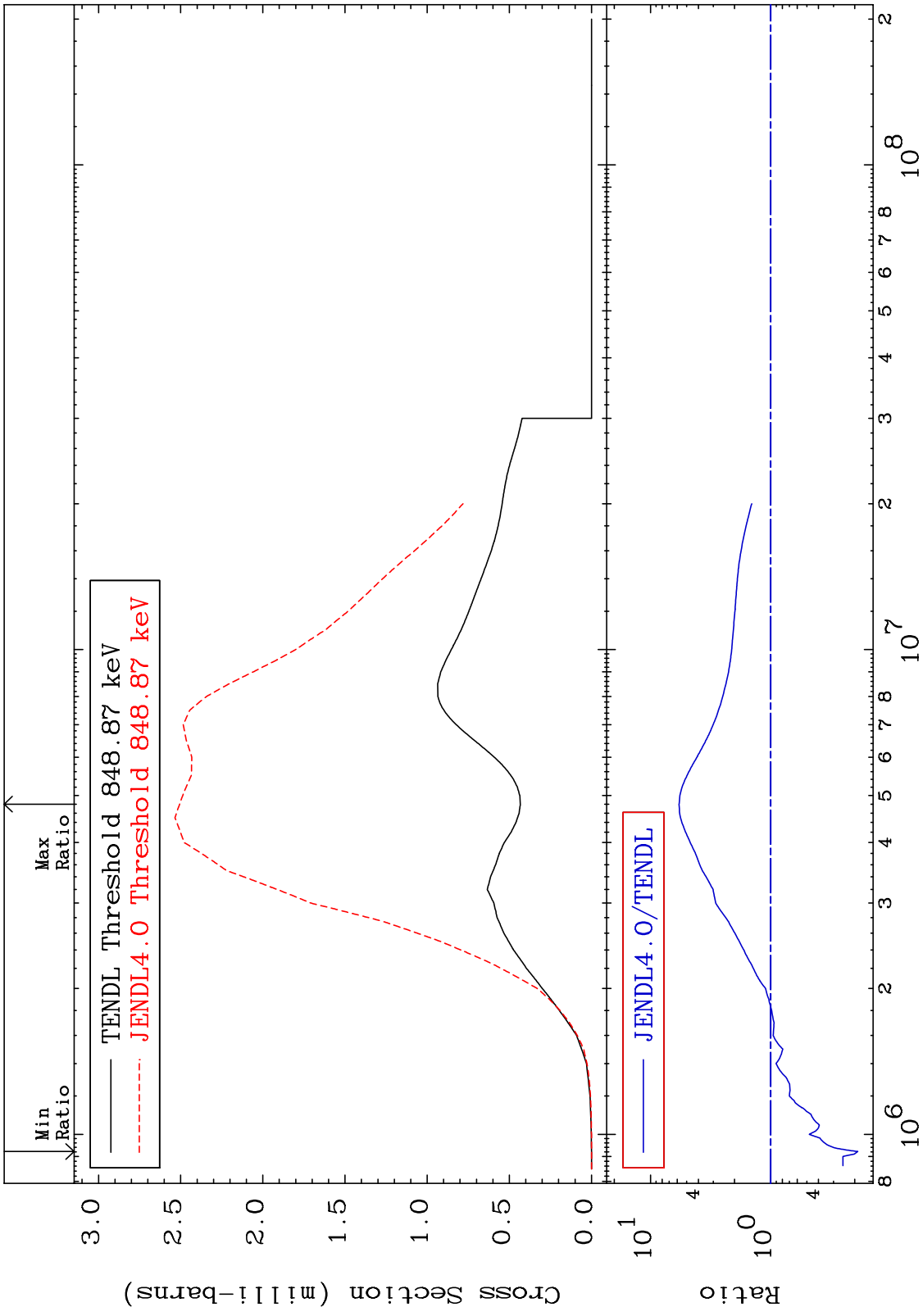
66-Dy-164

MAT 6649 MT= 55 (n,n') Level Cross Section 66-Dy-164
 -32.54 To 9999. %



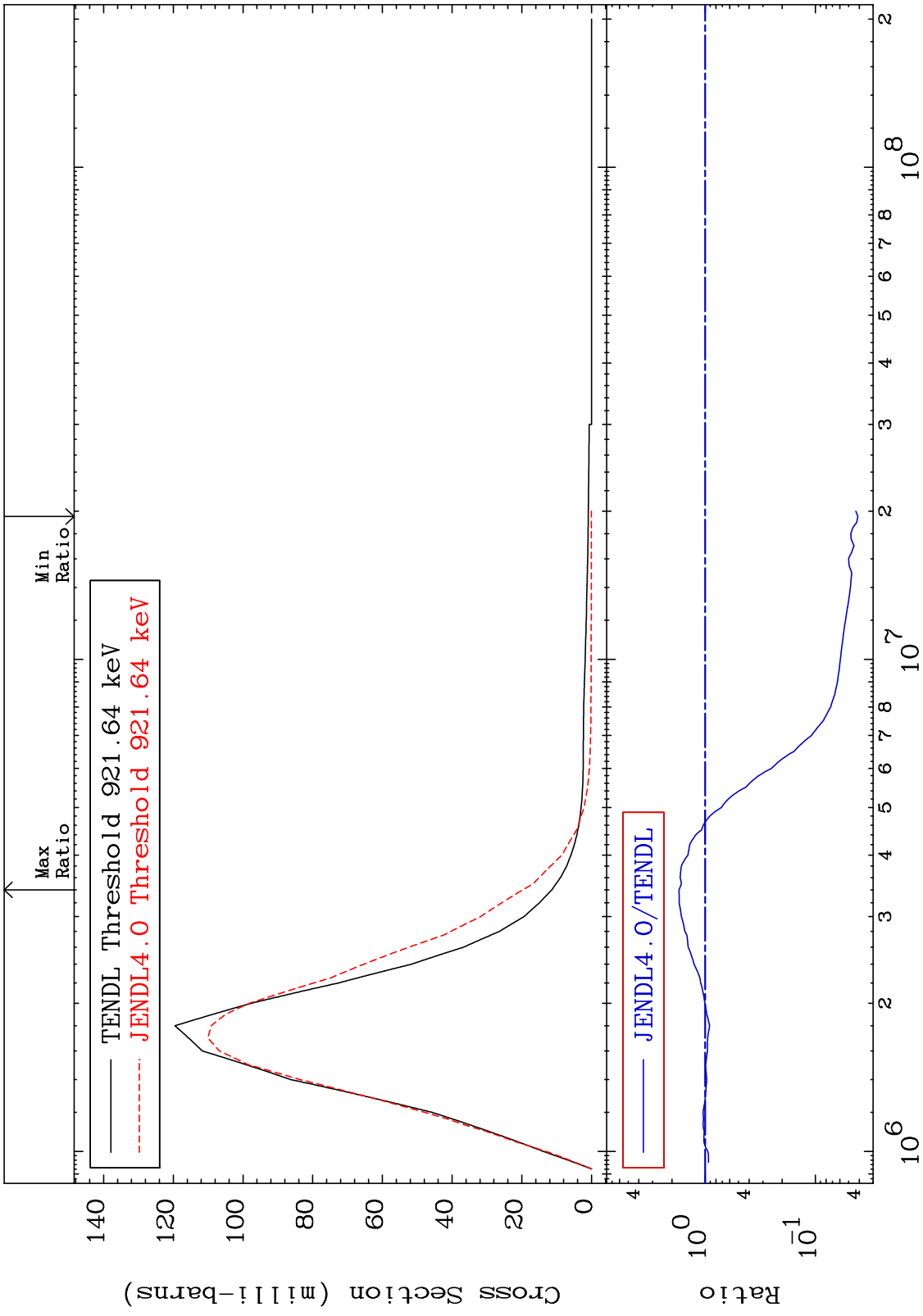
15 Incident Energy (eV) 66-Dy-164

MAT 6649 MT= 56 (n,n') Level 66-Dy-164
 Cross Section -81.18 To 478.9 %



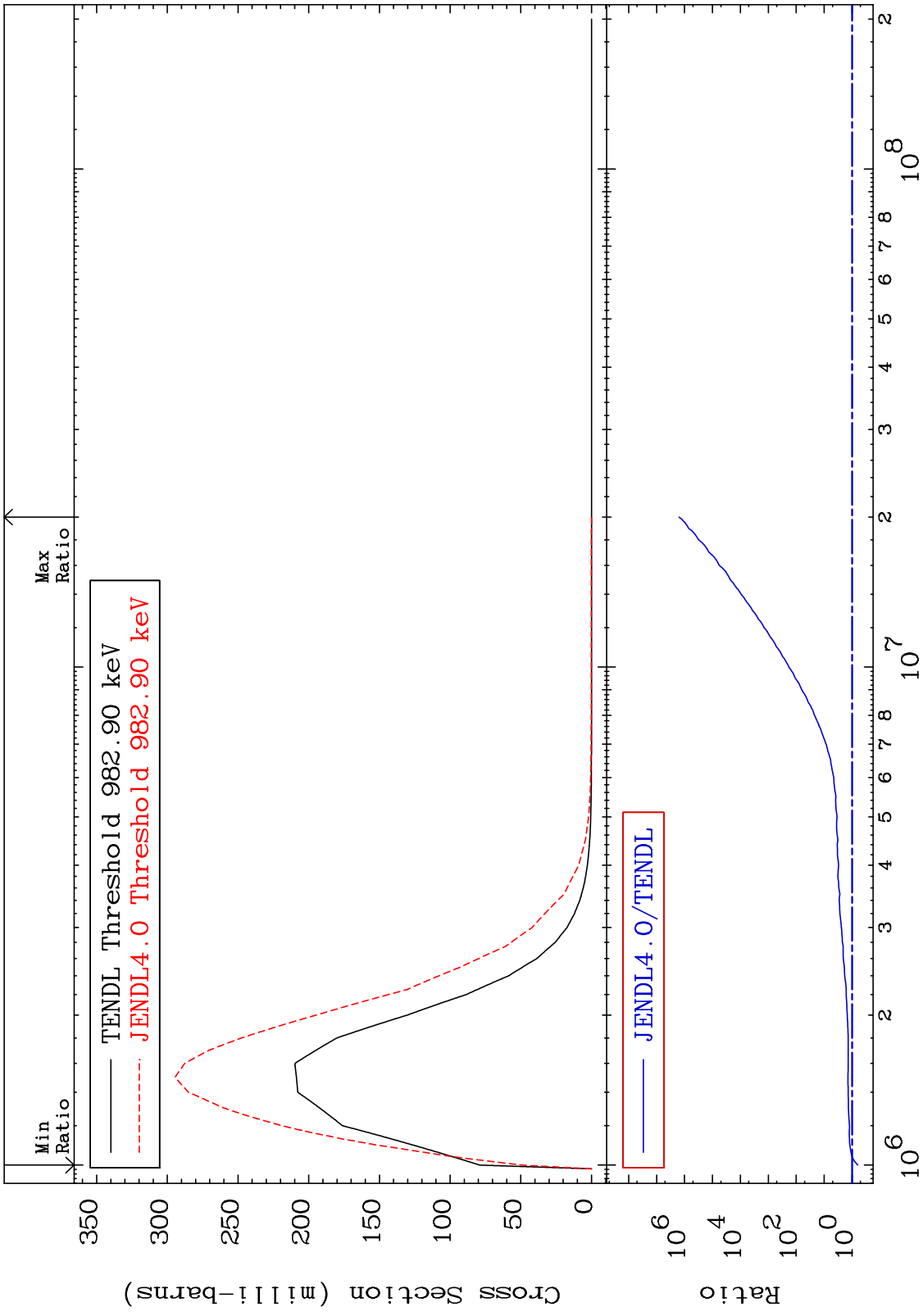
16 Incident Energy (eV) 66-Dy-164

MAT 6649 MT= 57 (n,n') Level 66-Dy-164
 Cross Section -95.88 To 72.72 %



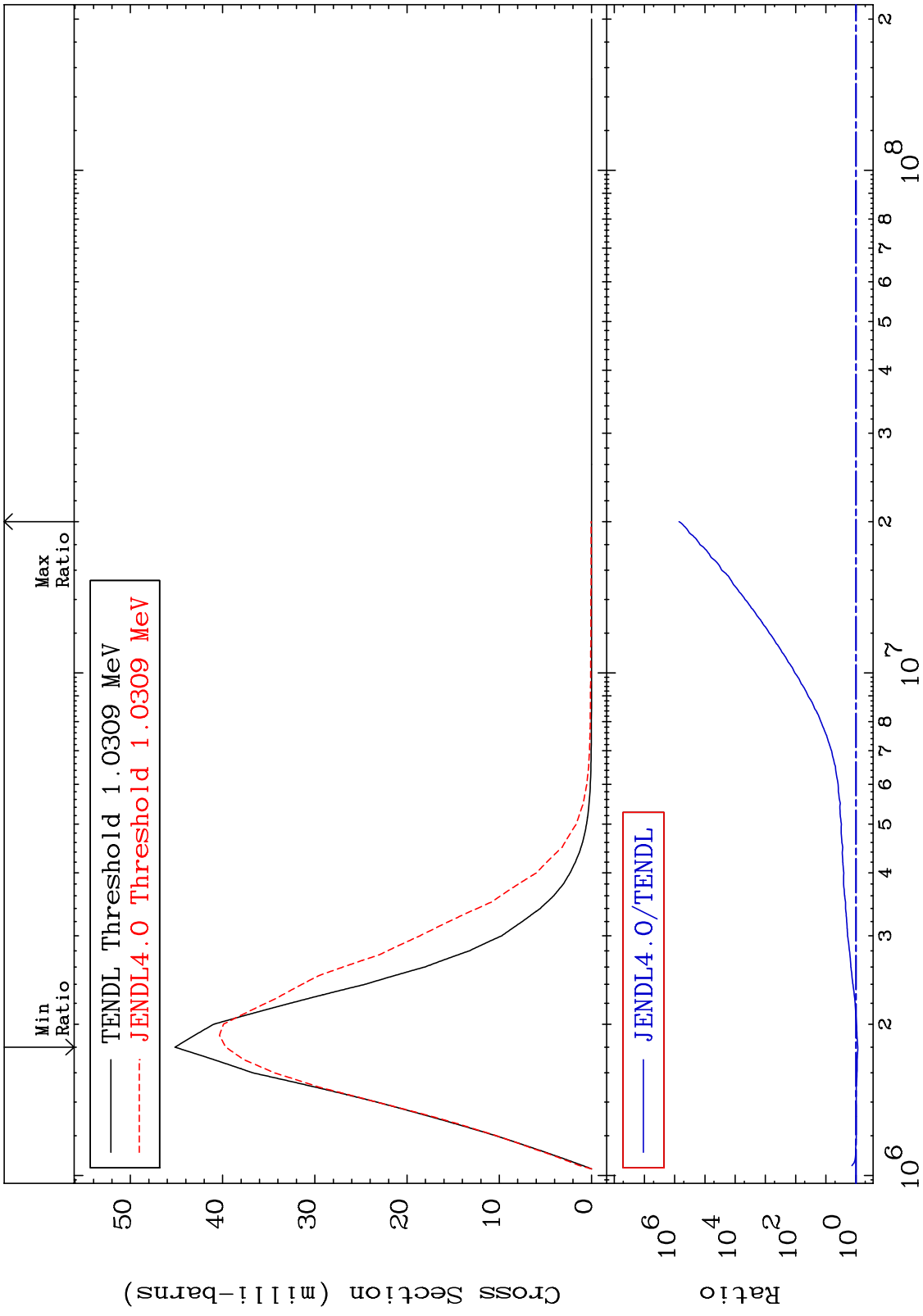
17 Incident Energy (eV) 66-Dy-164

MAT 6649 MT= 58 (n,n') Level 66-Dy-164
Cross Section -37.85 To 9999. %



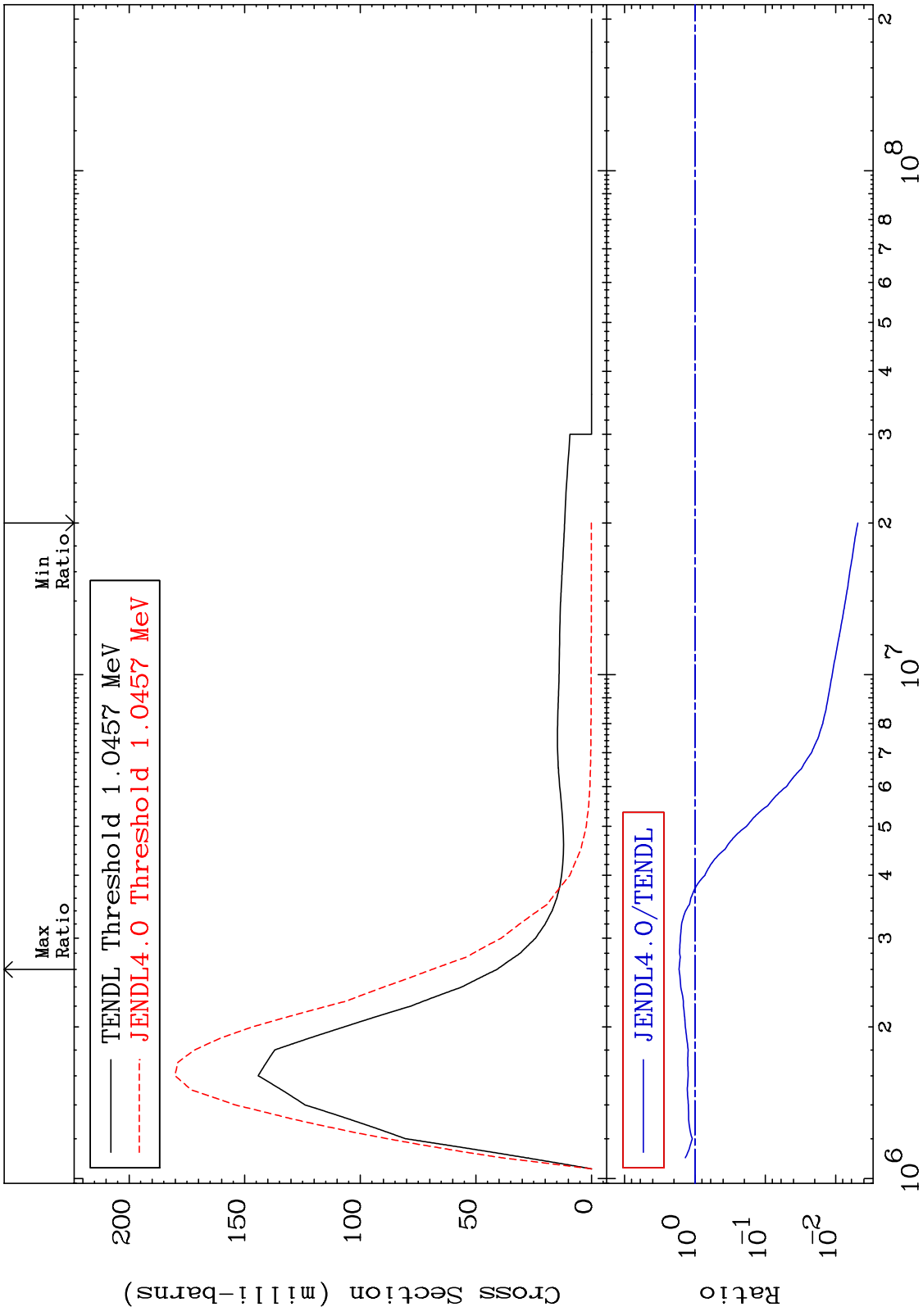
18 Incident Energy (eV) 66-Dy-164

MAT 6649 MT= 59 (n,n') Level 66-Dy-164
 Cross Section -12.18 To 9999. %



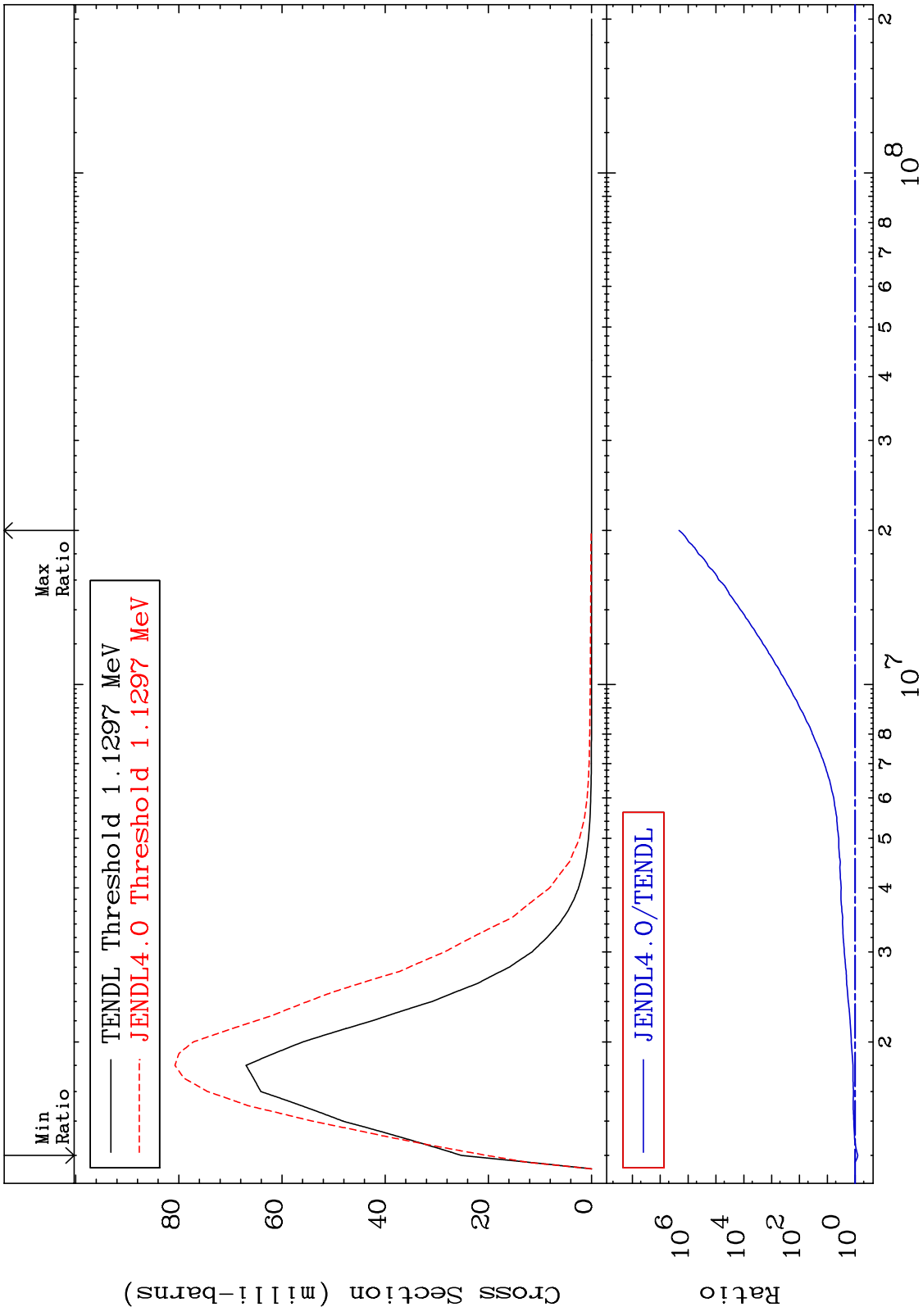
19 Incident Energy (eV) 66-Dy-164

MAT 6649 MT= 60 (n,n') Level Cross Section 66-Dy-164
-99.51 To 68.70 %

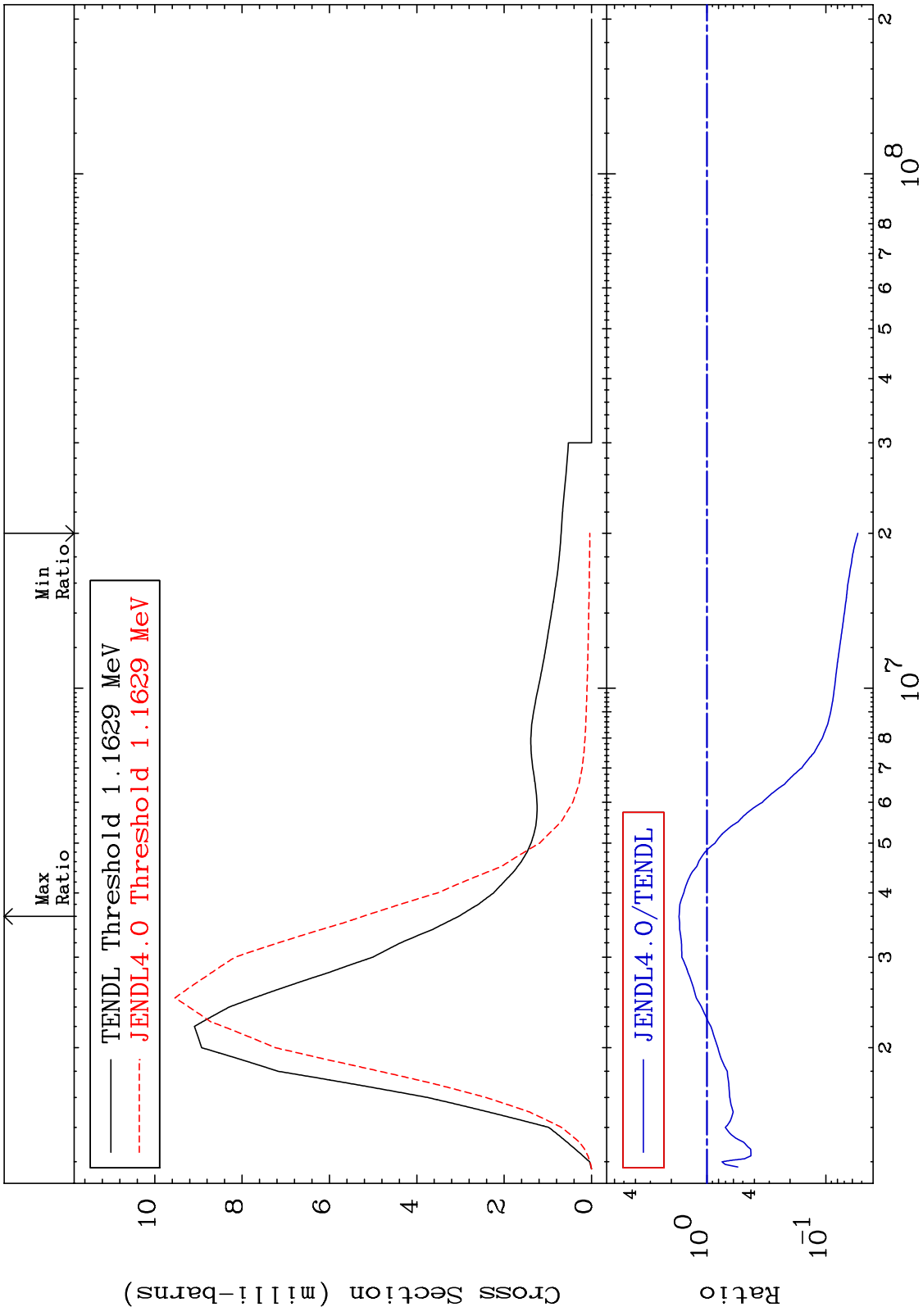


66-Dy-164

MAT 6649 MT= 61 (n,n') Level 66-Dy-164
 Cross Section -19.50 To 9999. %



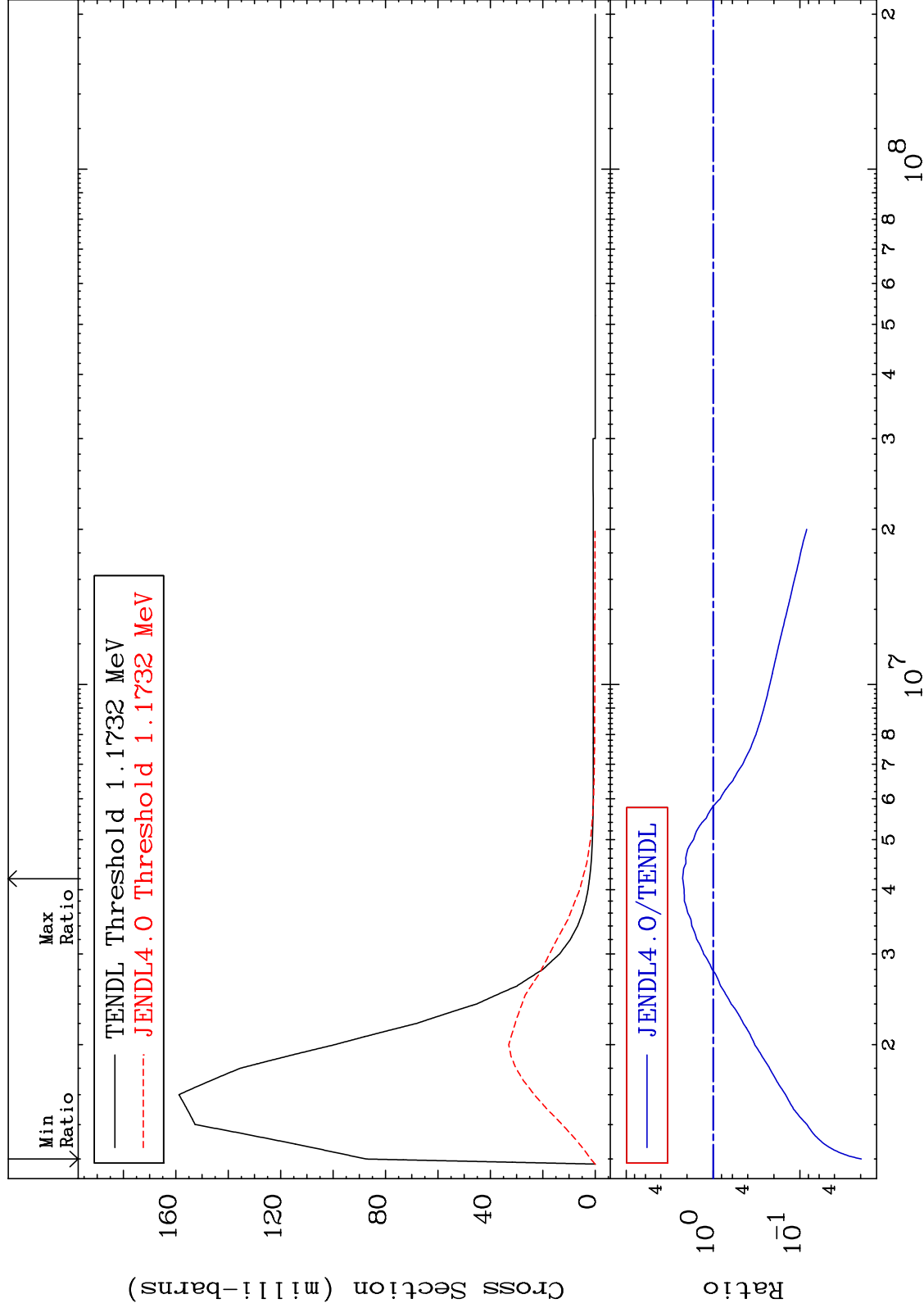
MAT 6649 MT= 62 (n,n') Level Cross Section 66-Dy-164
 -94.62 To 72.03 %



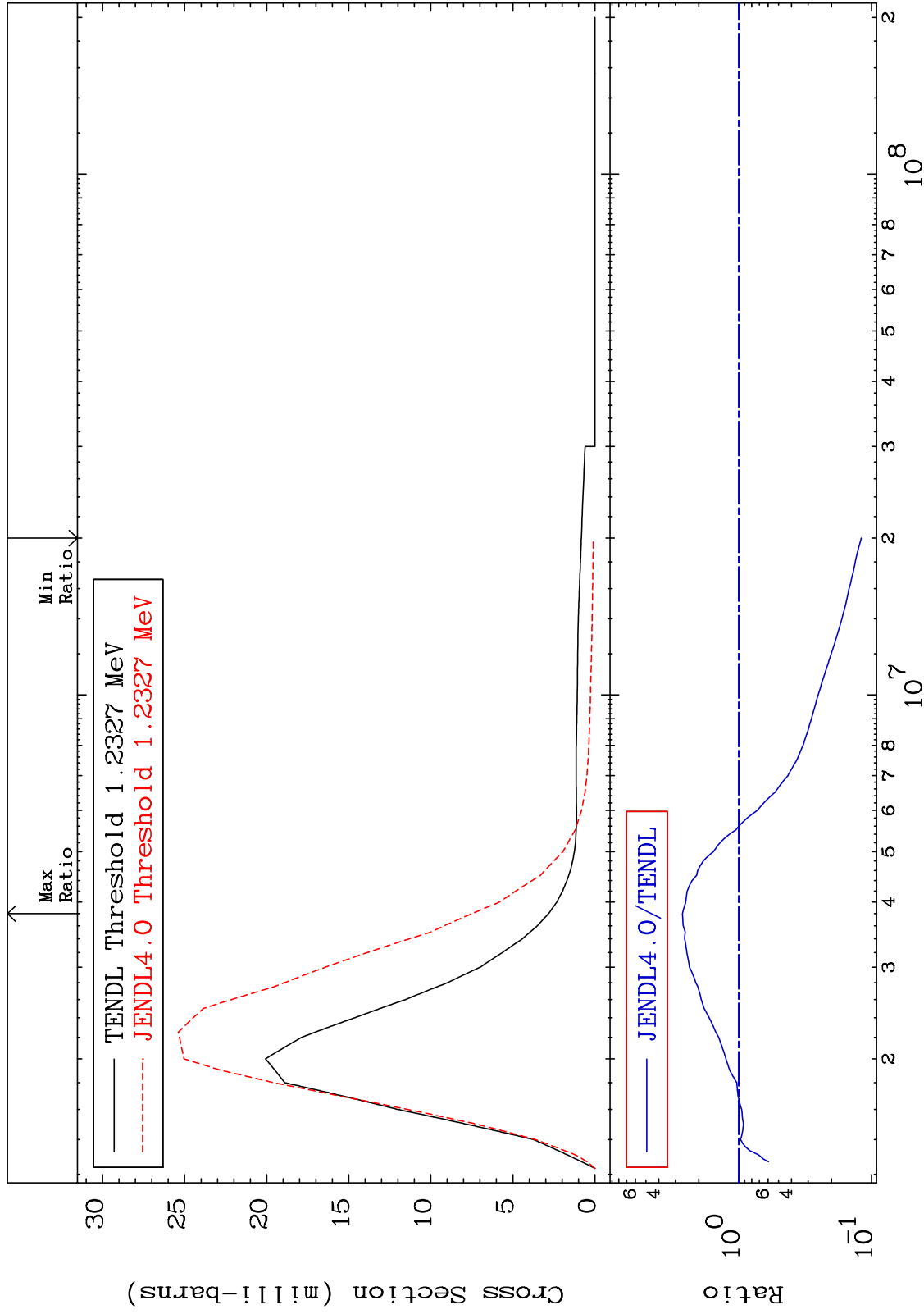
MAT 6649

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

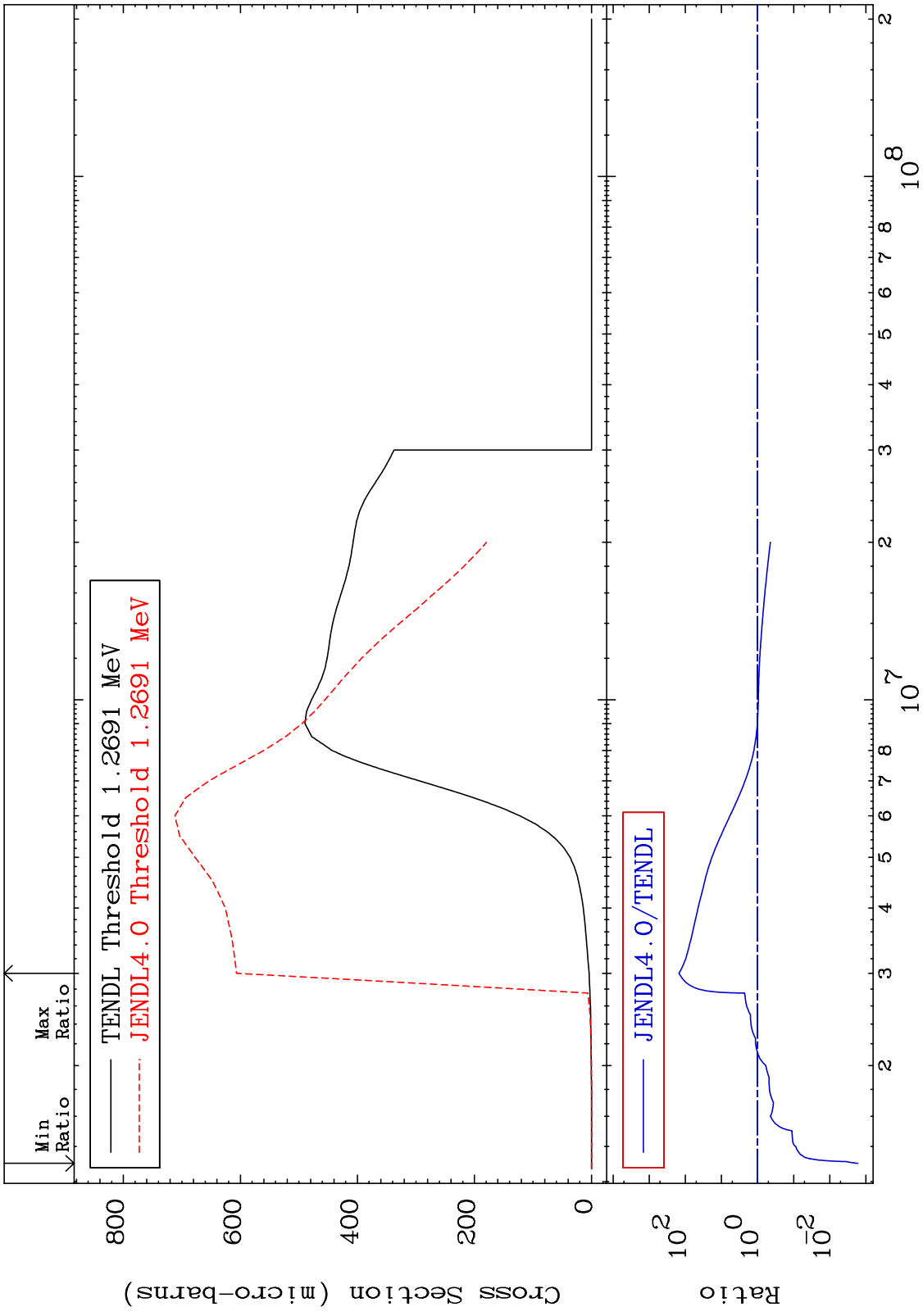
66-Dy-164
-98.03 To 123.9 %



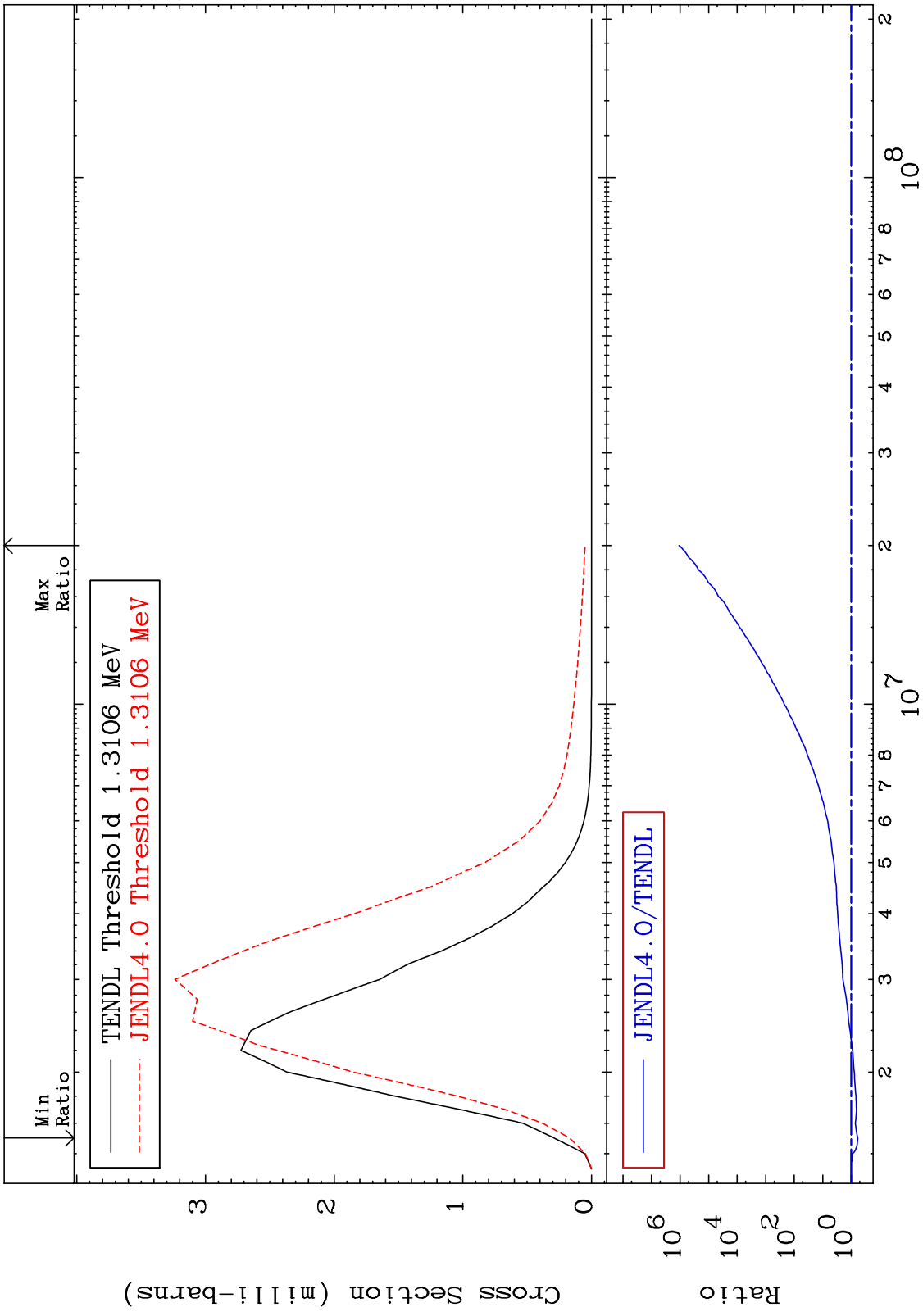
MAT 6649 MT= 64 (n,n') Level Cross Section 66-Dy-164
 -88.07 To 165.4 %



MAT 6649 MT= 65 (n,n') Level 66-Dy-164
 Cross Section -99.83 To 9999. %



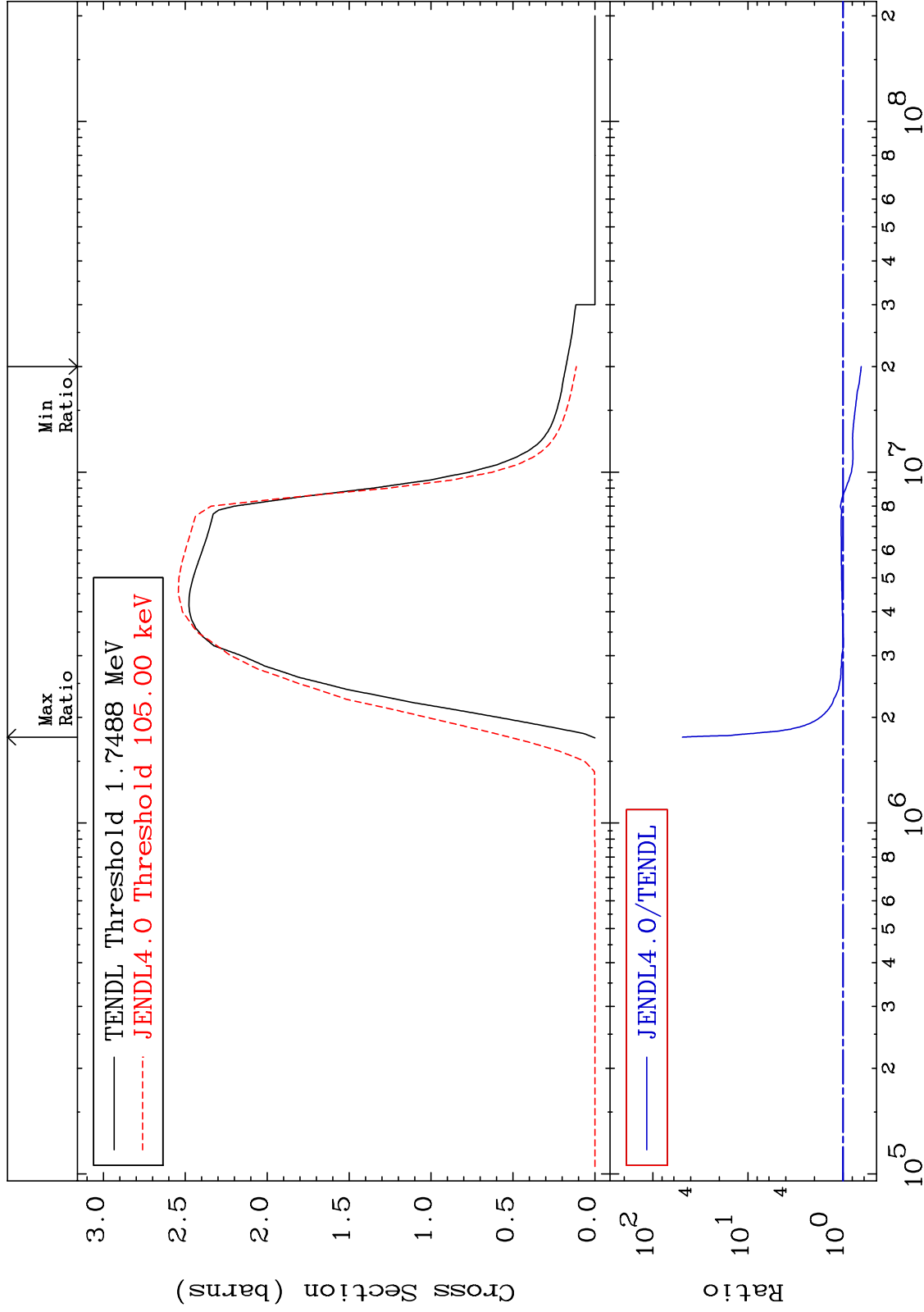
MAT 6649 MT= 66 (n,n') Level Cross Section 66-Dy-164
 -41.30 To 9999. %



MAT 6649

(n, n') Continuum
Cross Section

66-Dy-164
-35.68 To 4783. %

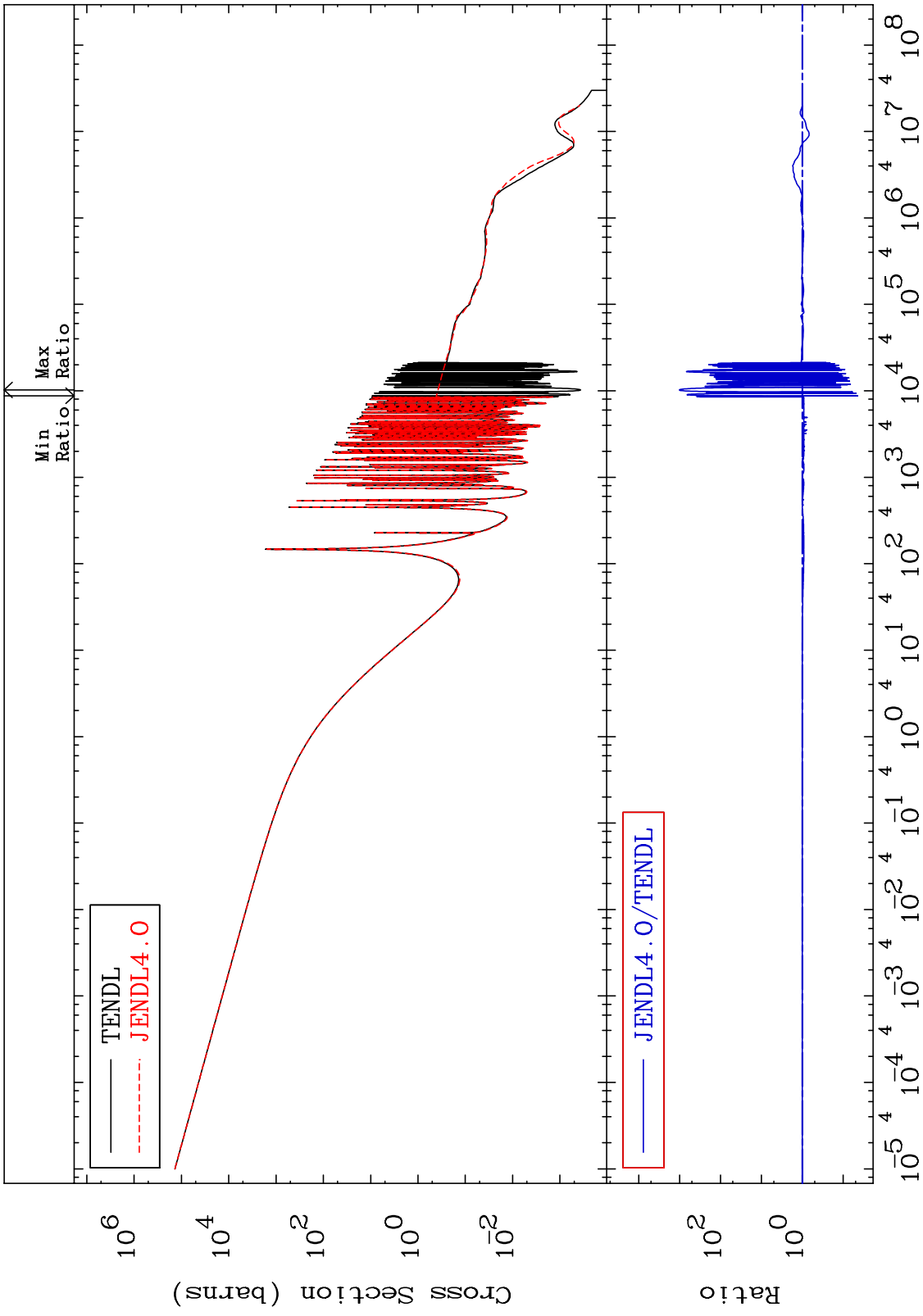


27

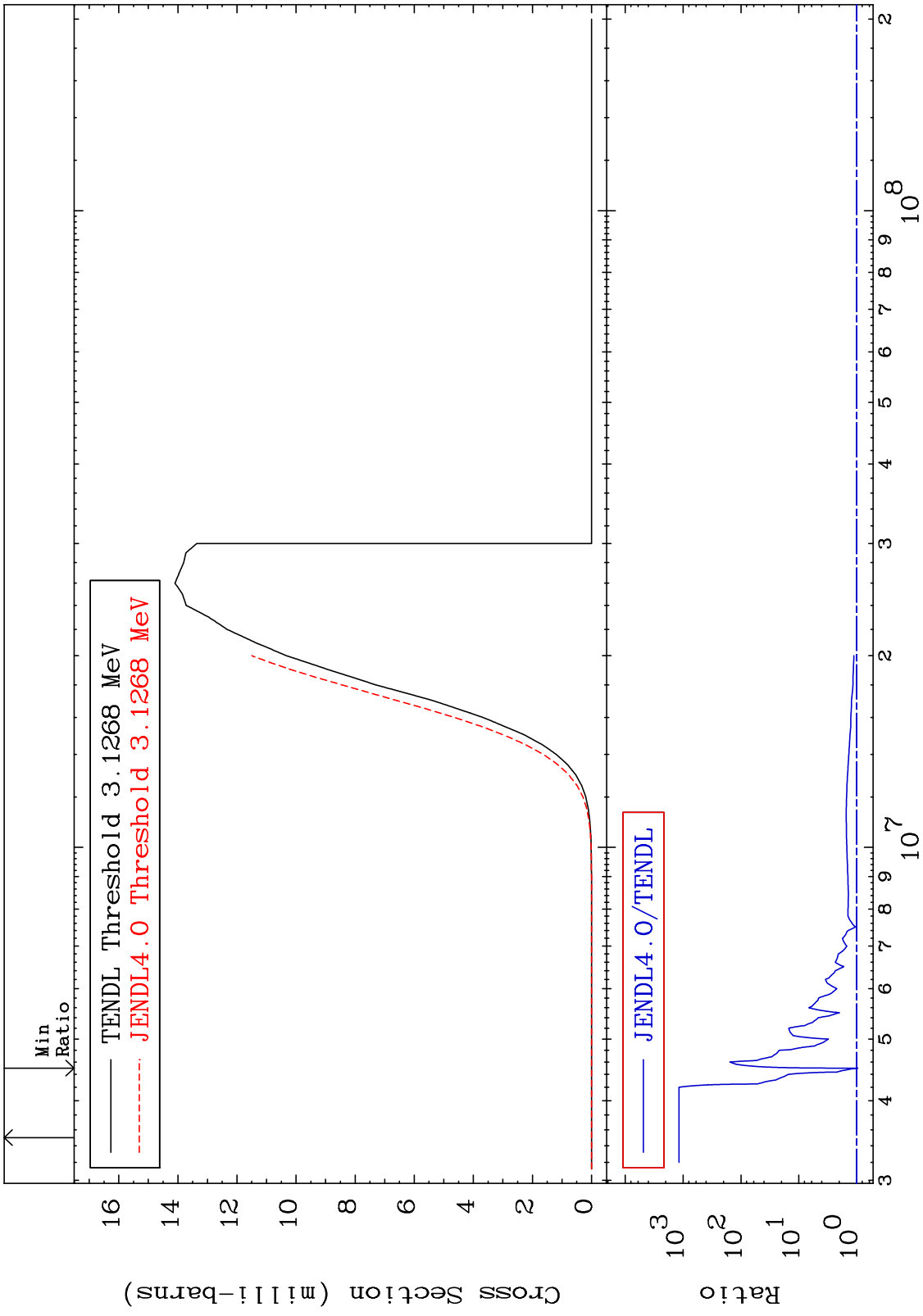
Incident Energy (eV)

66-Dy-164

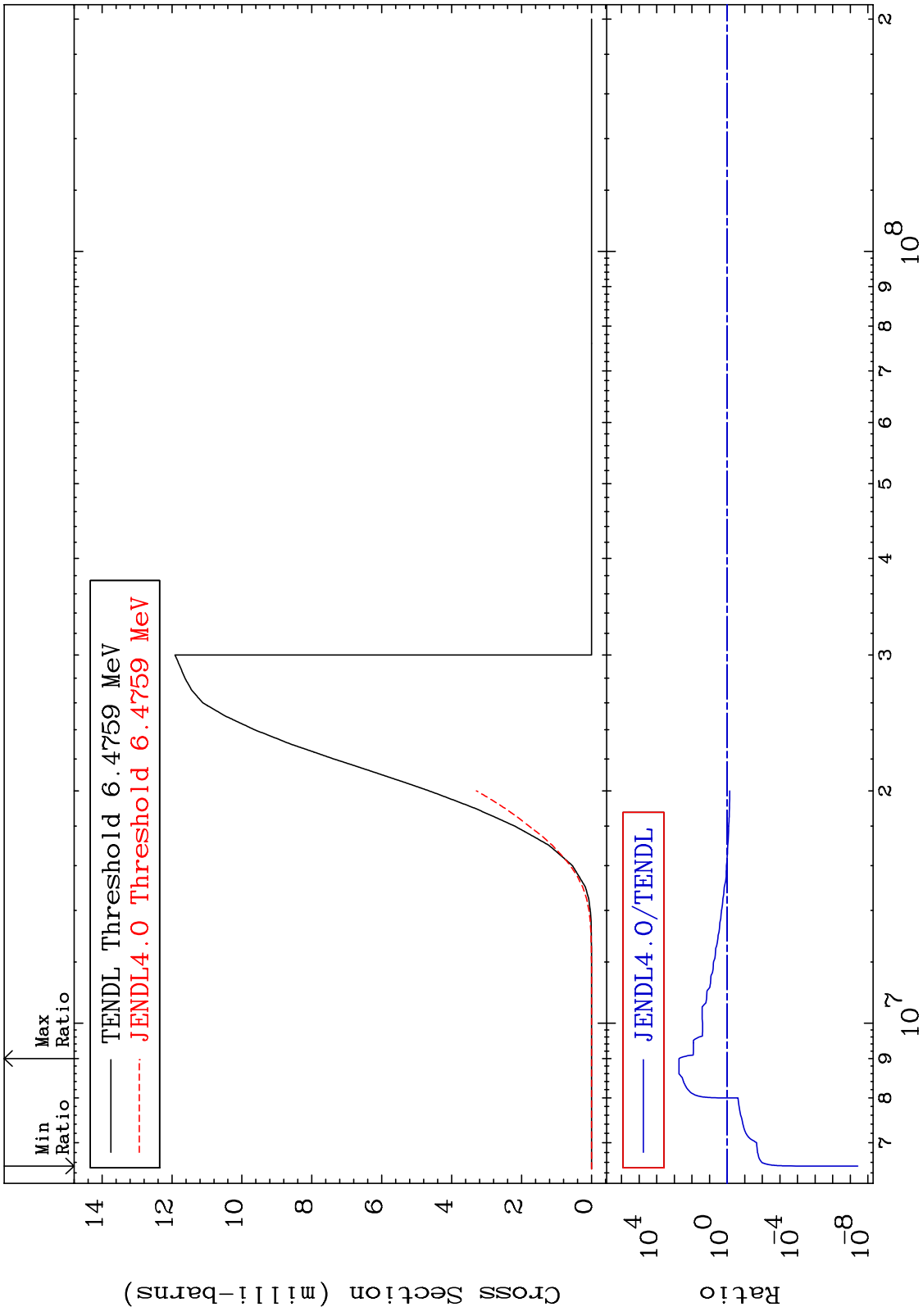
MAT 6649 (n, γ) Cross Section $^{66}\text{Dy-164}$ -95.60 To 9999. %

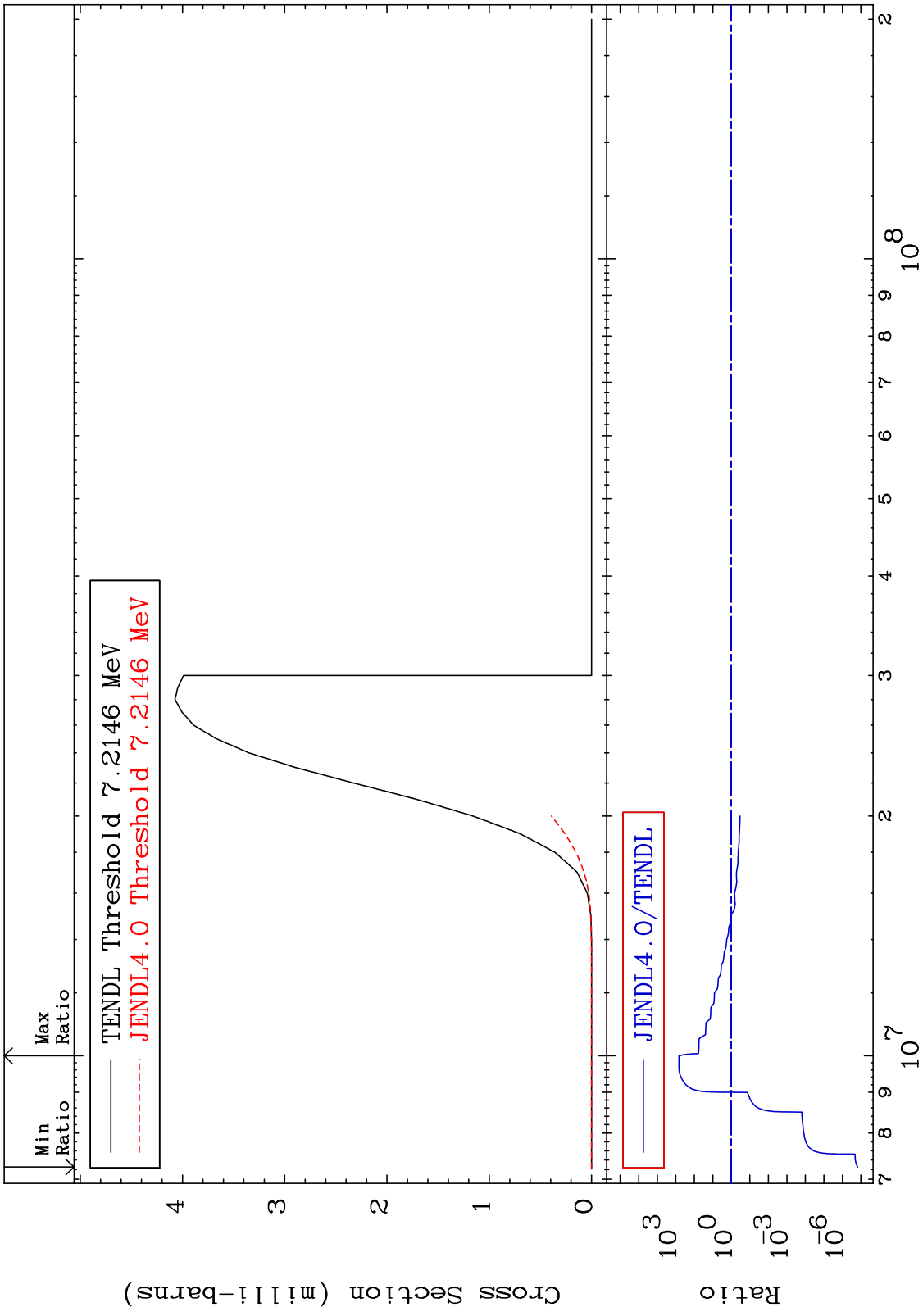


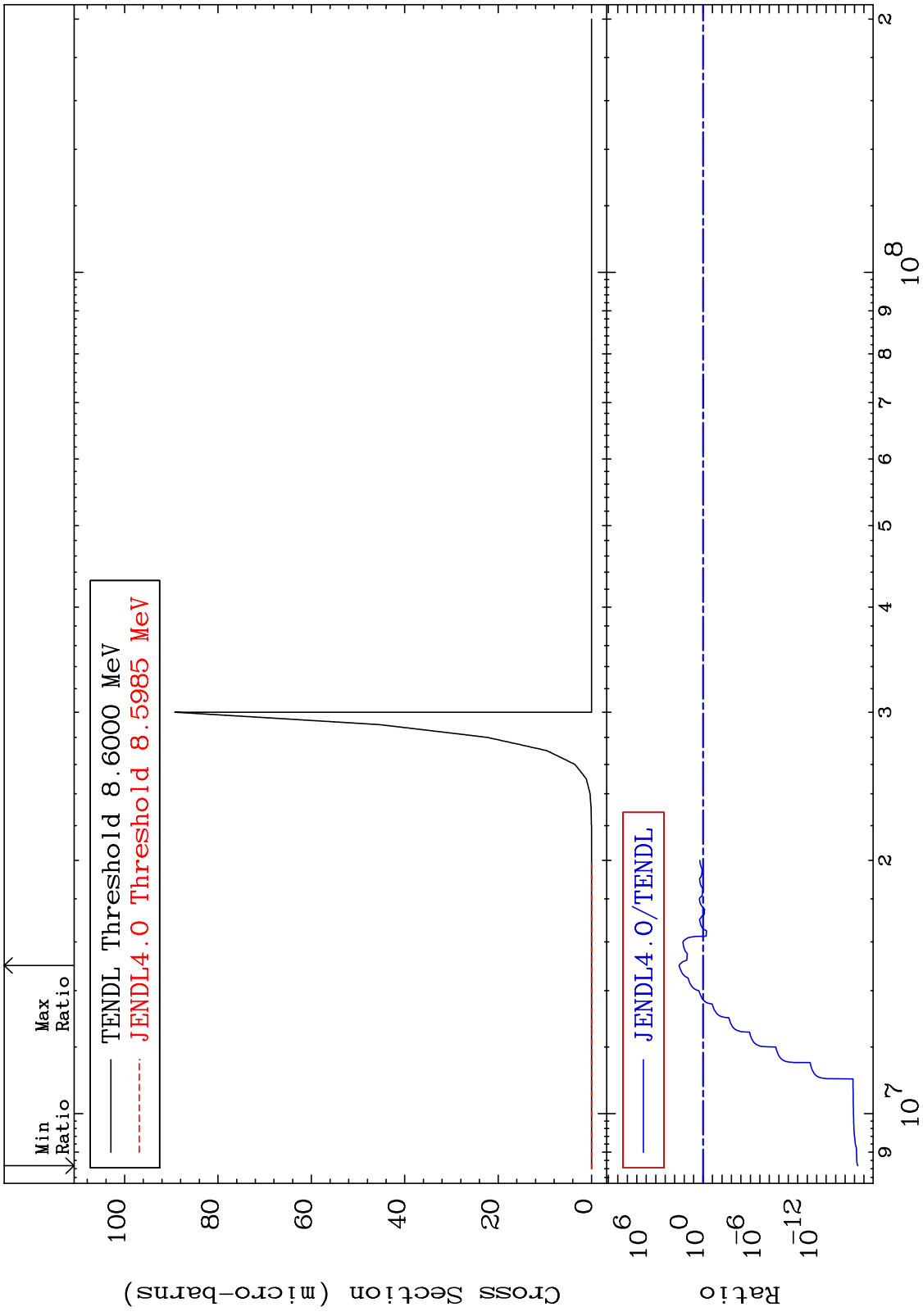
MAT 6649 (n,p) Cross Section 66-Dy-164
 -4.645 To 9999. %



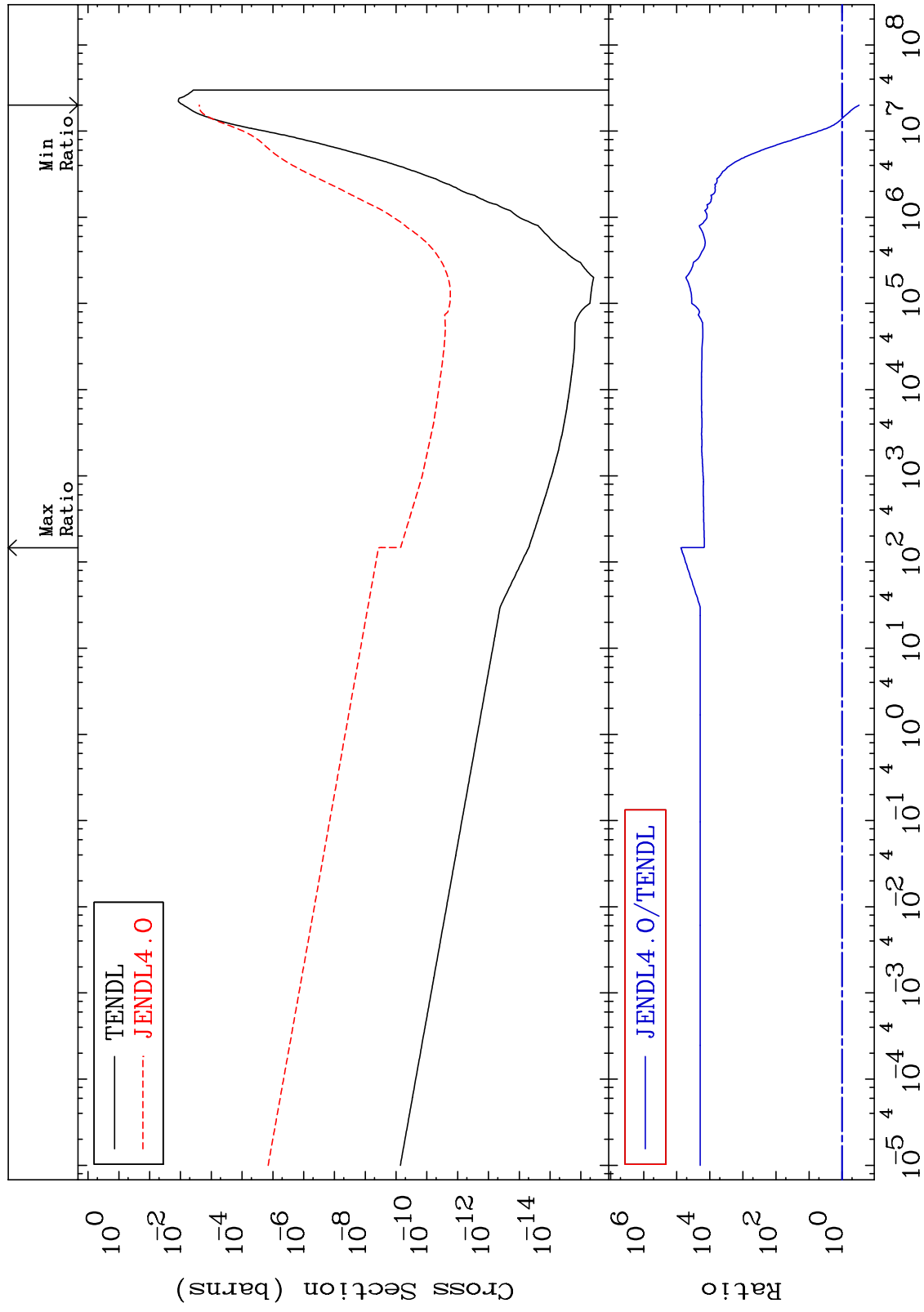
29 66-Dy-164







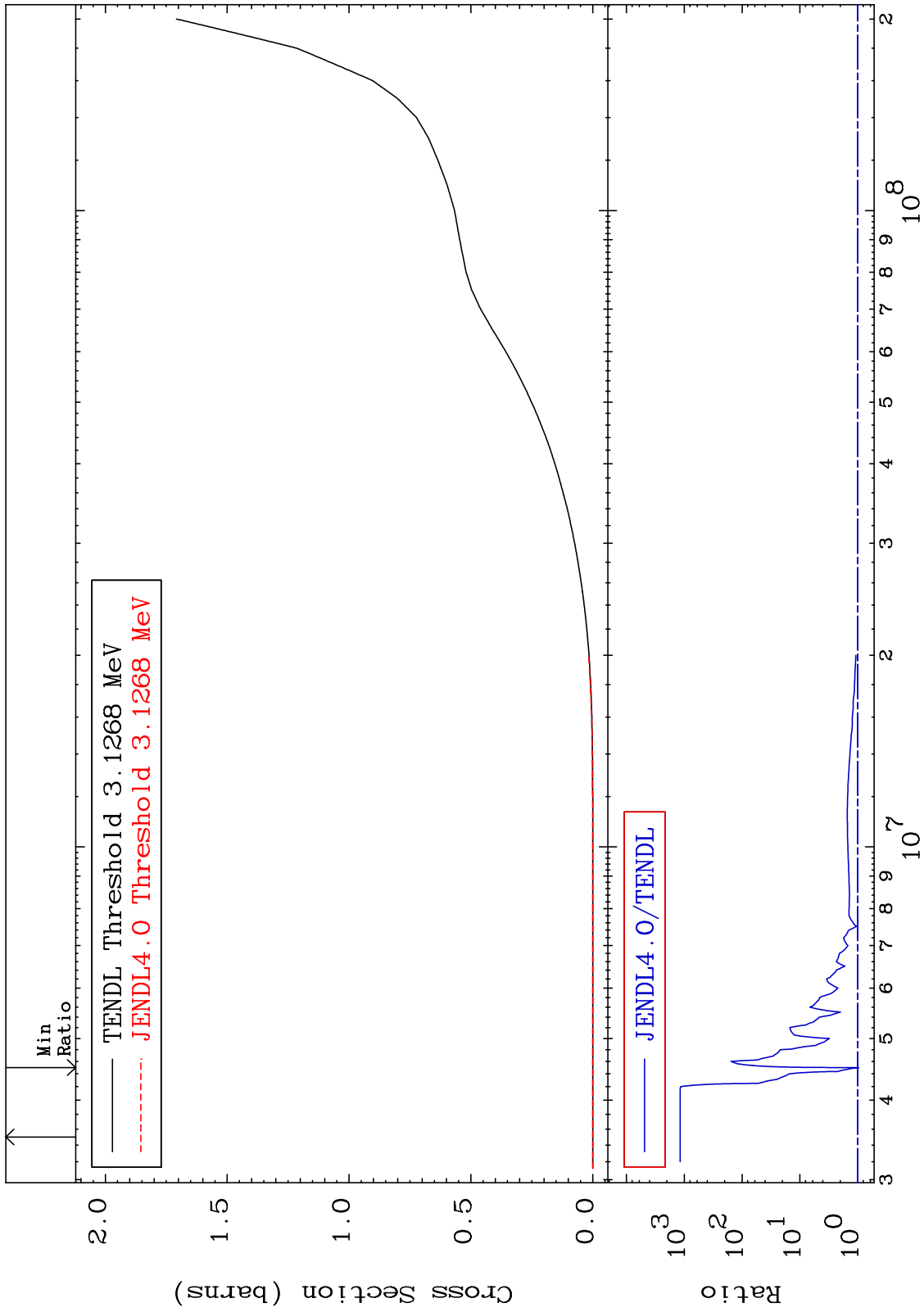
MAT 6649 (n, α) Cross Section 66-Dy-164 -69.34 To 9999. %

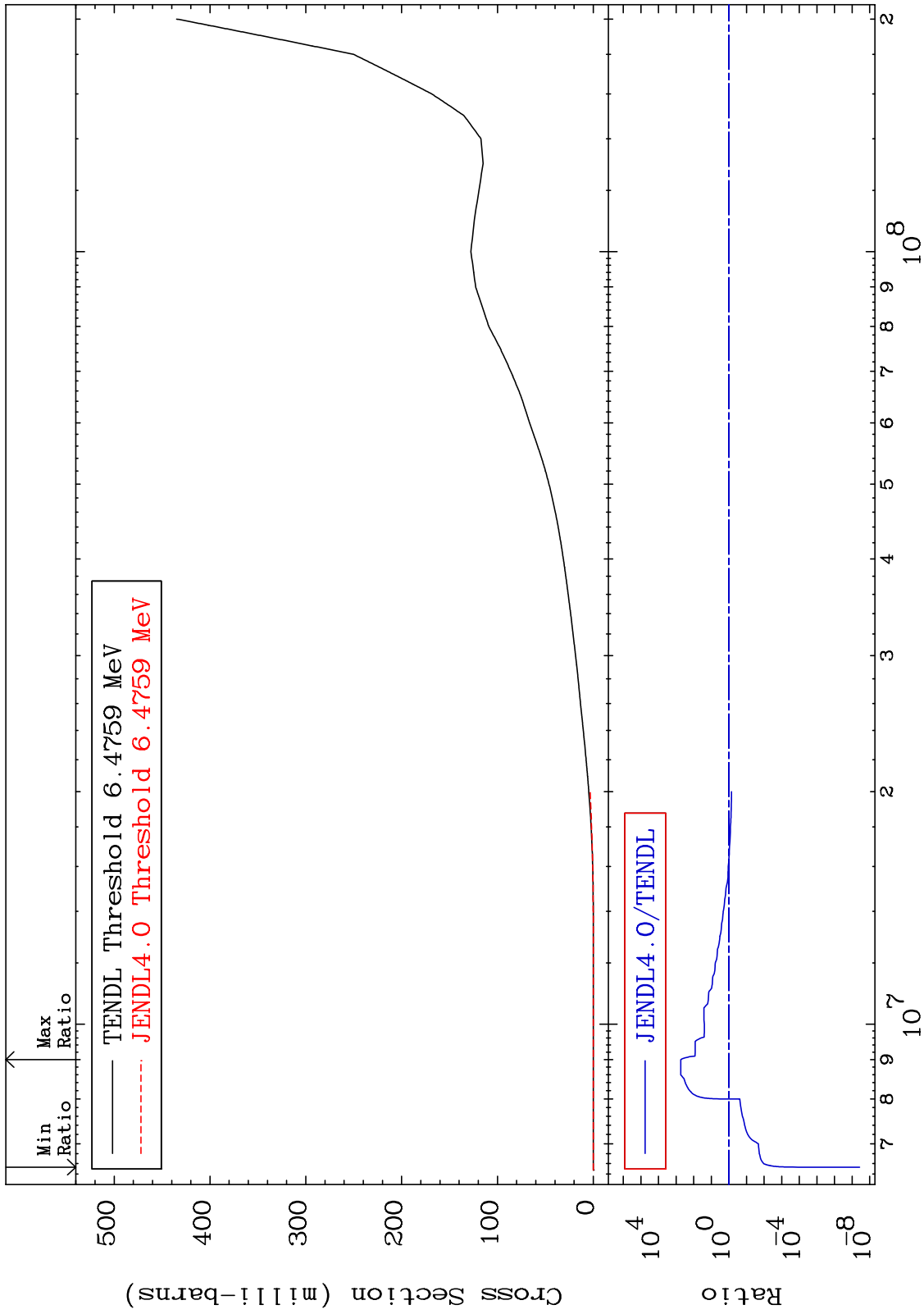


66-Dy-164

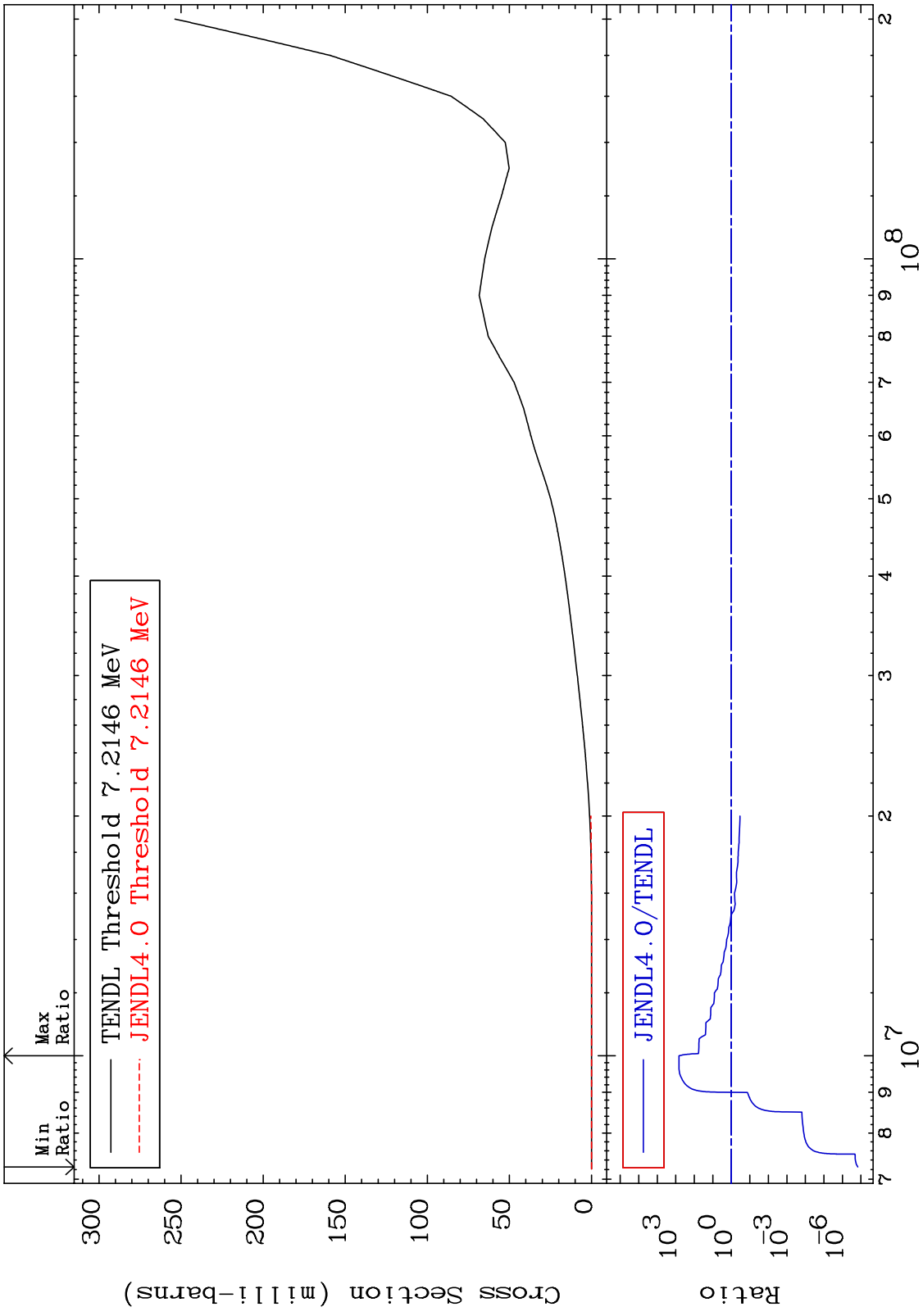
Incident Energy (eV)

MAT 6649 Hydrogen Production Cross Section 66-Dy-164
 -4.651 To 9999. %





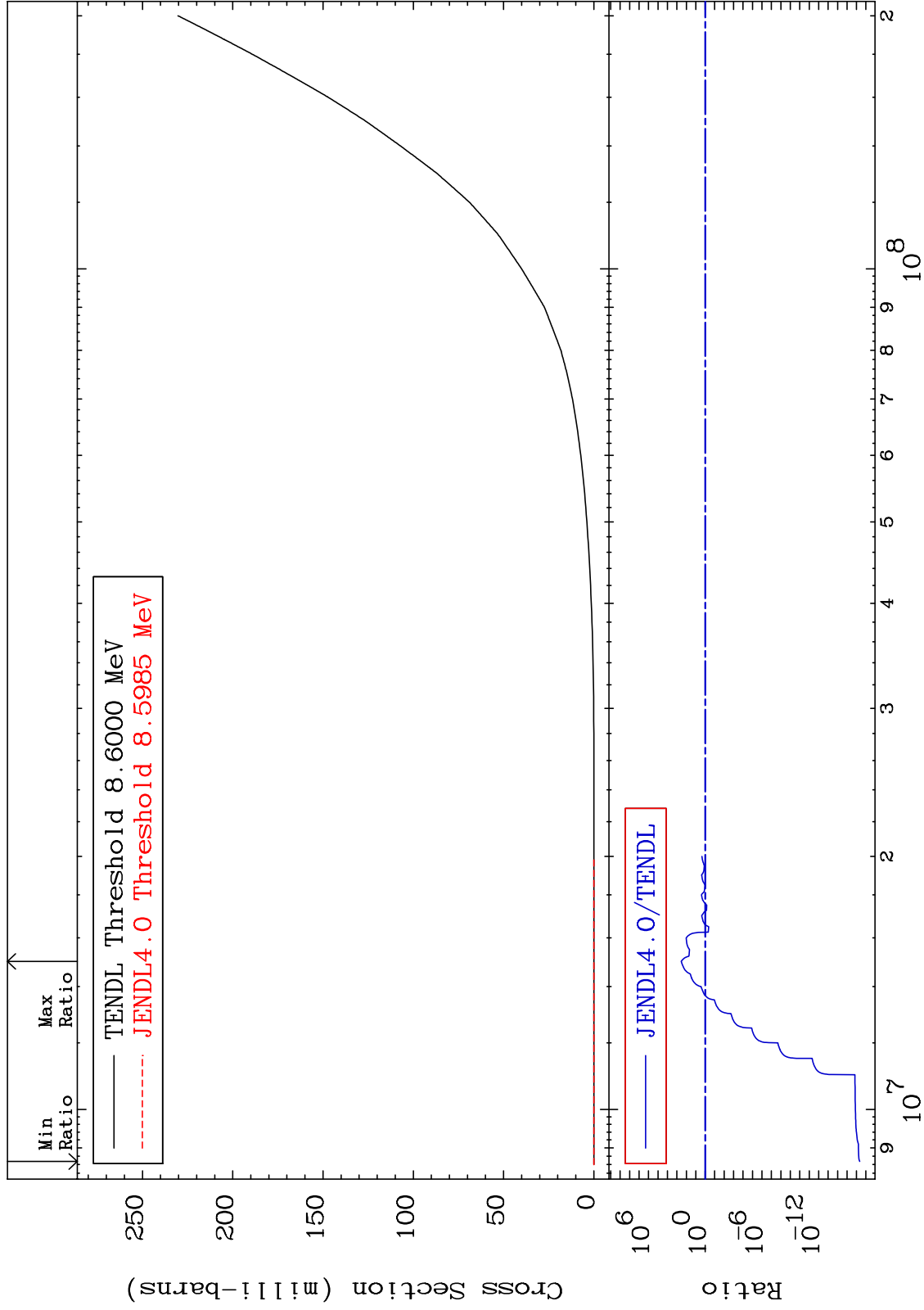
MAT 6649 Tritium Production Cross Section 66-Dy-164
 -100.0 To 9999. %



MAT 6649

He-3 Production
Cross Section

66-Dy-164
-100.0 To 9999. %



37

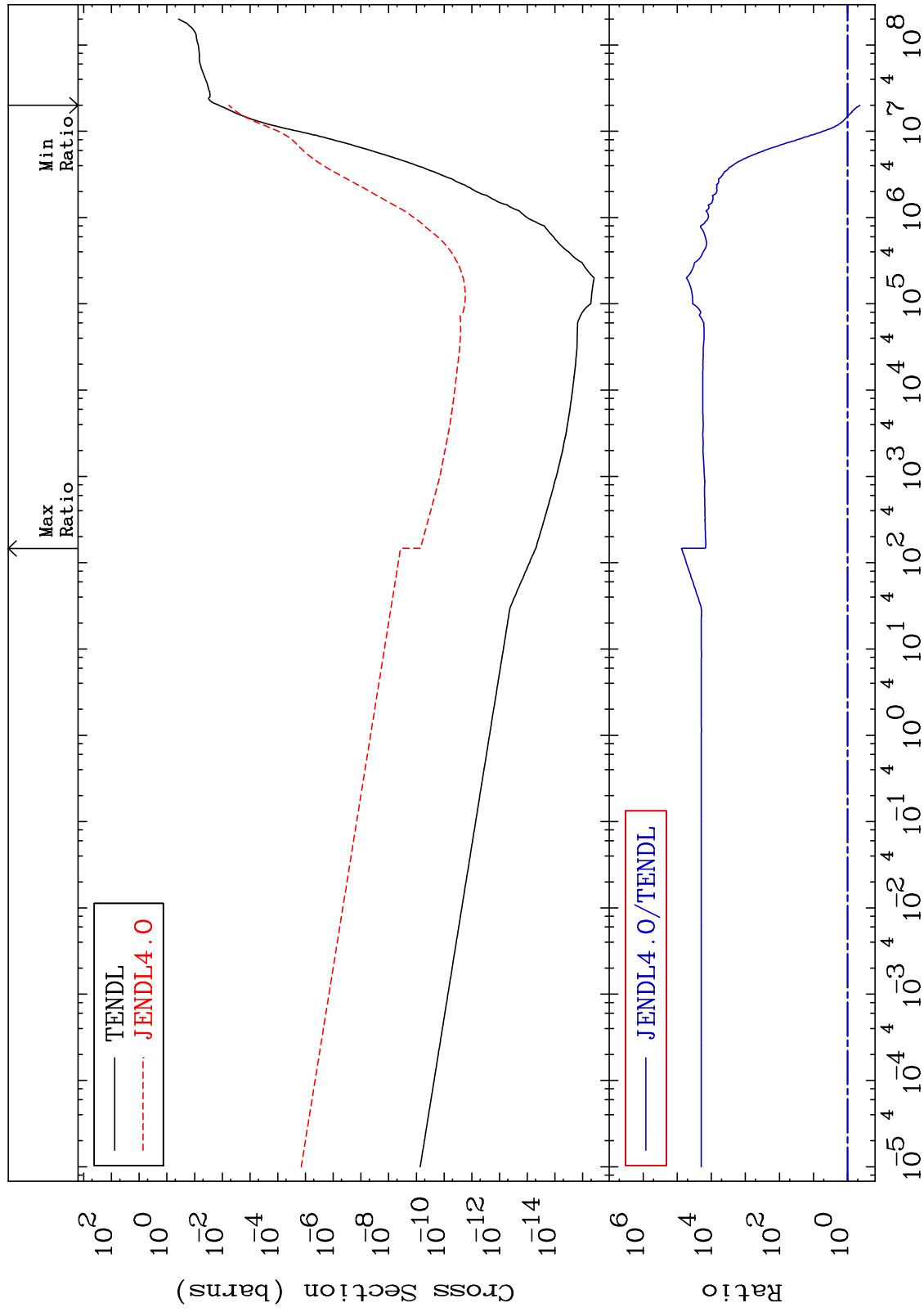
Incident Energy (eV)

66-Dy-164

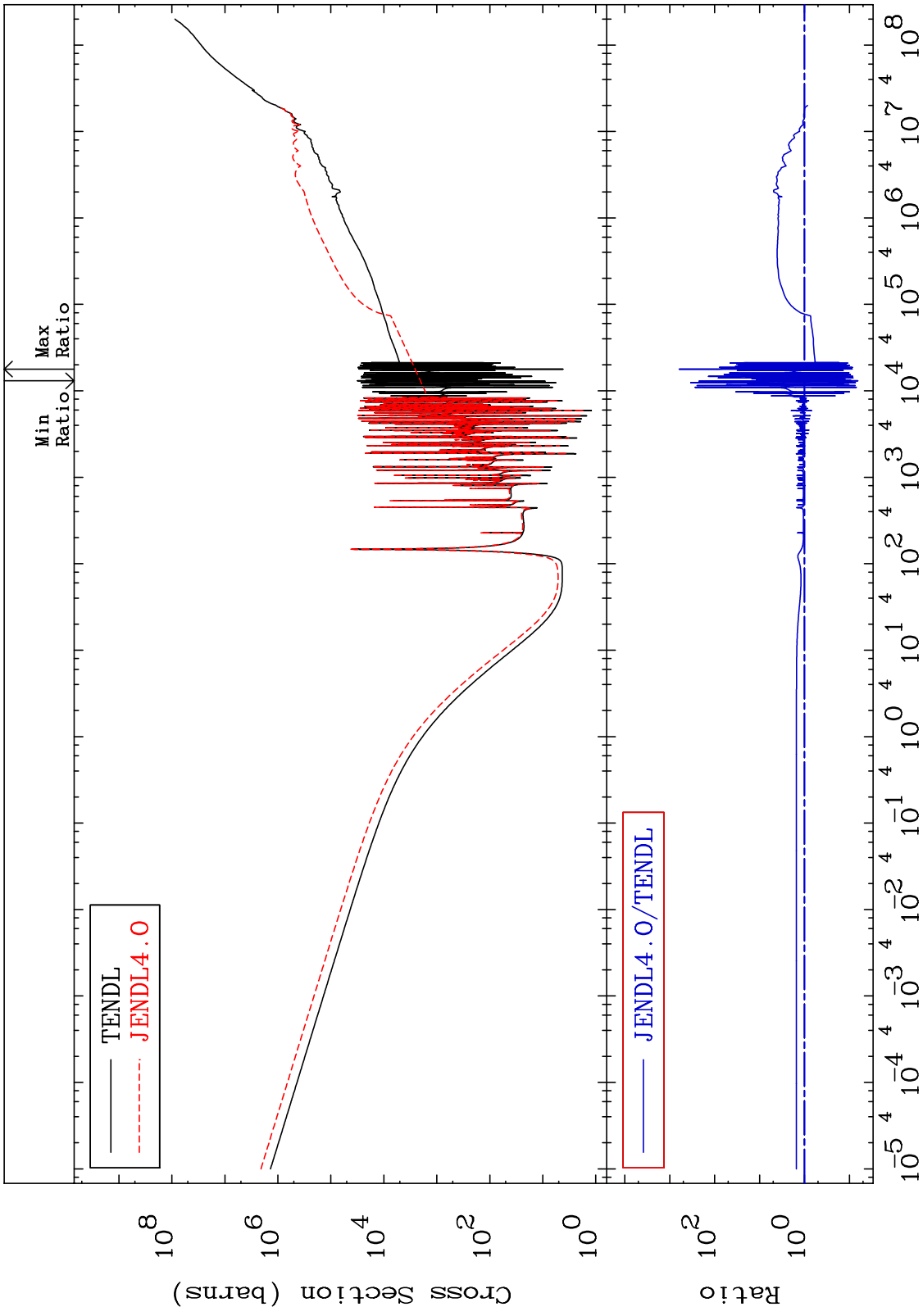
MAT 6649

He-4 Production
Cross Section

66-Dy-164
-56.33 To 9999. %



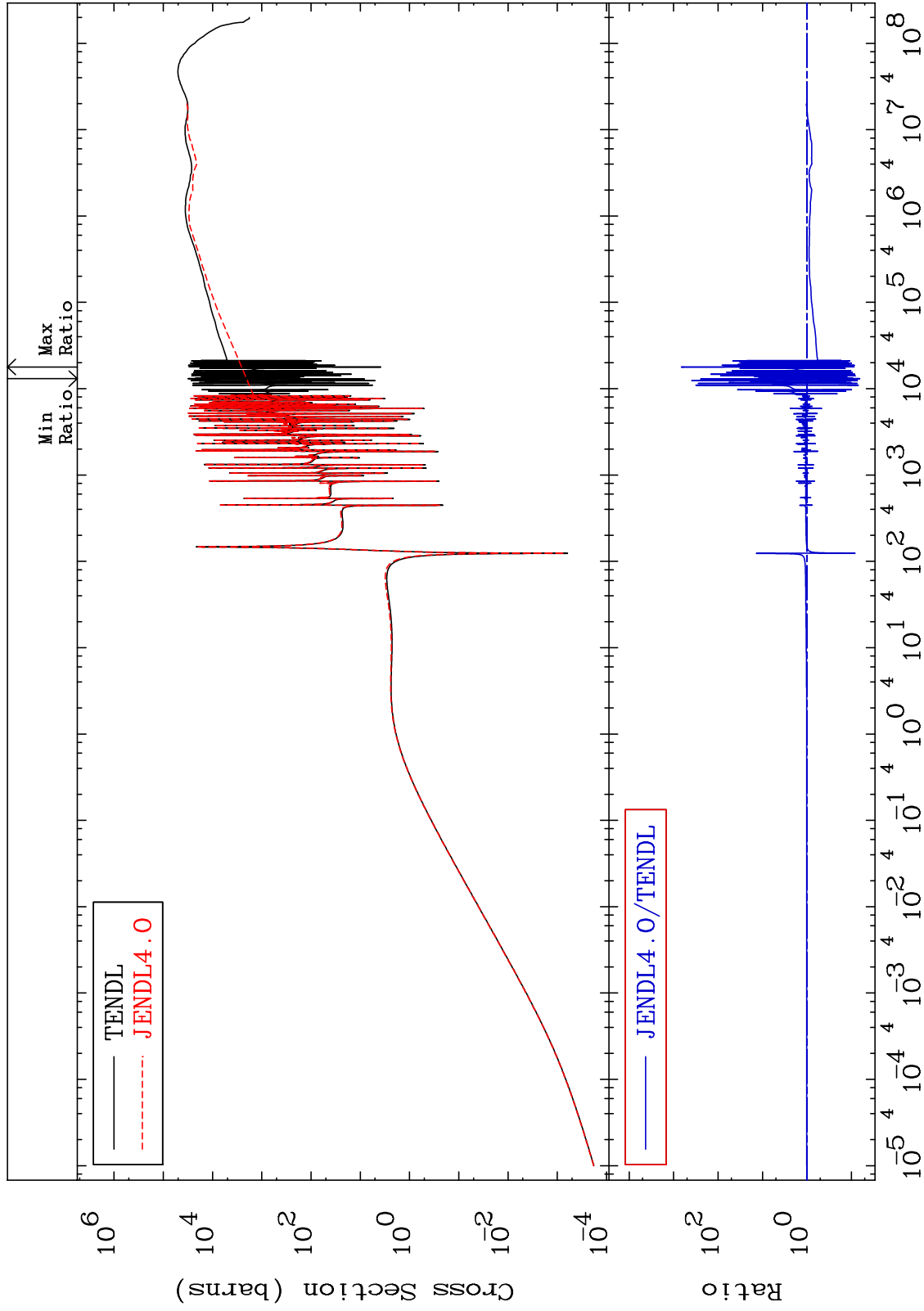
MAT 6649 Kerma total (eV-barns) 66-Dy-164
 Cross Section -93.51 To 9999. %



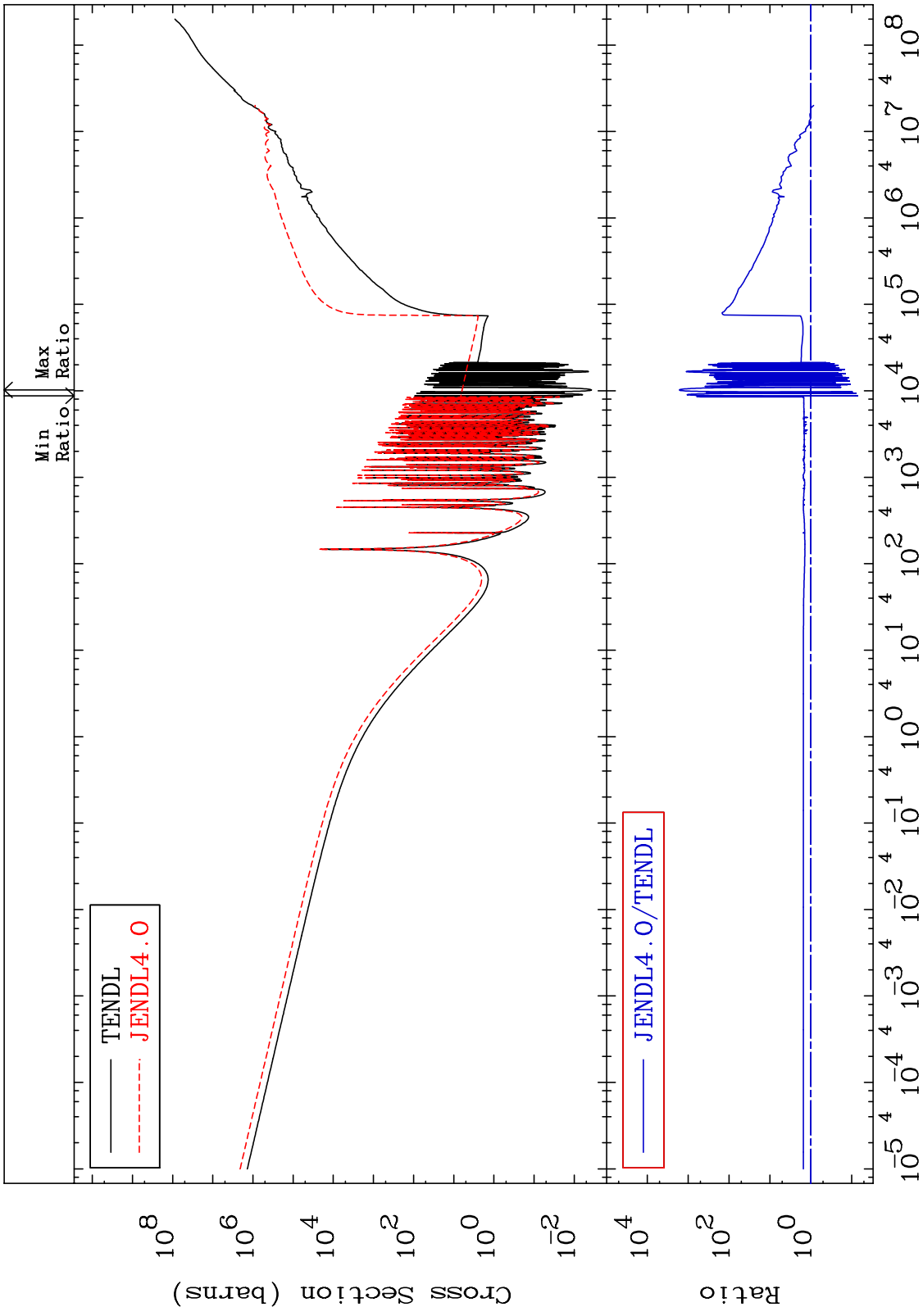
MAT 6649

Kerma elastic
Cross Section

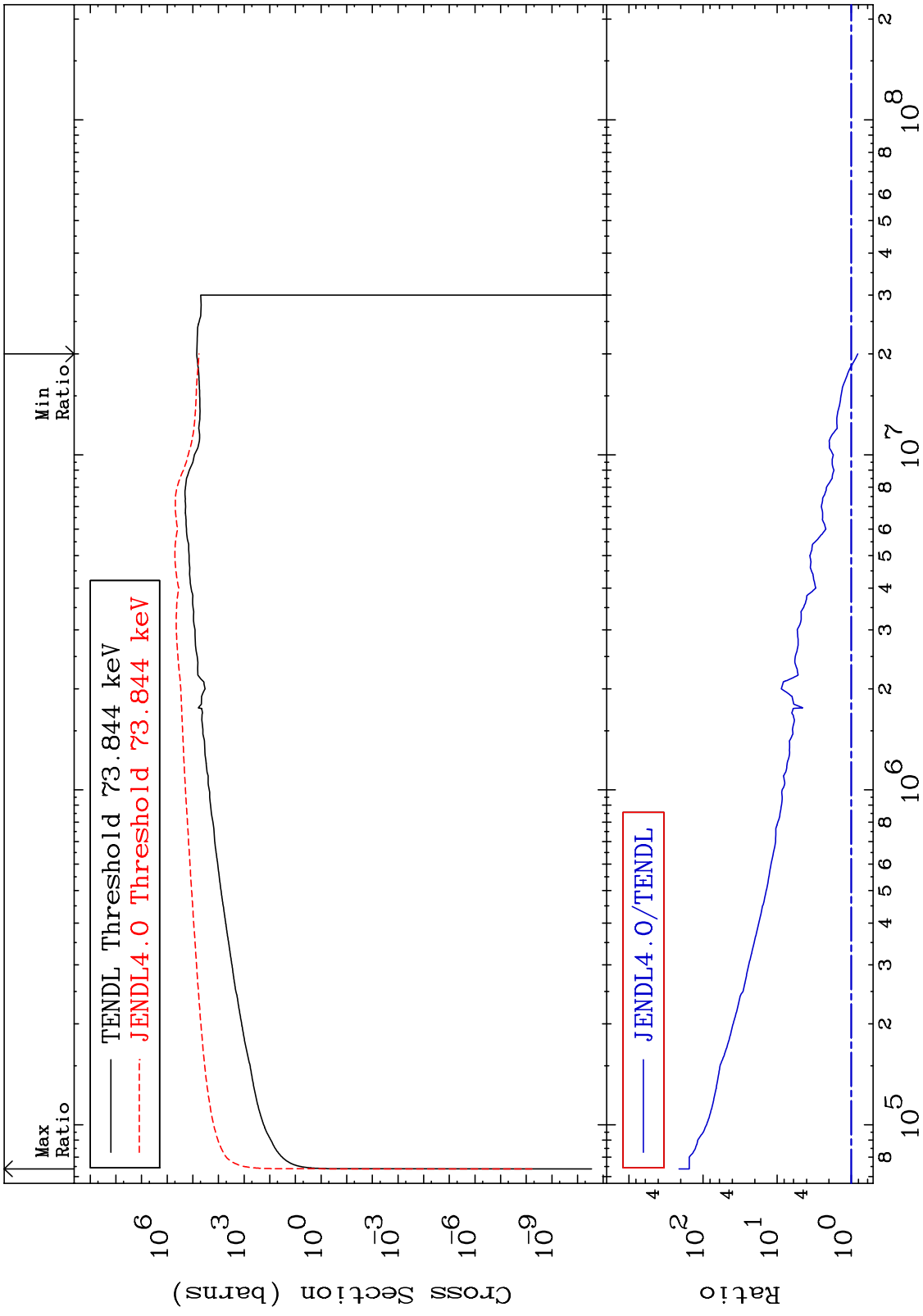
66-Dy-164
-93.52 To 9999. %



MAT 6649 Kerma non-elastic (all but mt2) 66-Dy-164
 Cross Section -92.93 To 9999. %



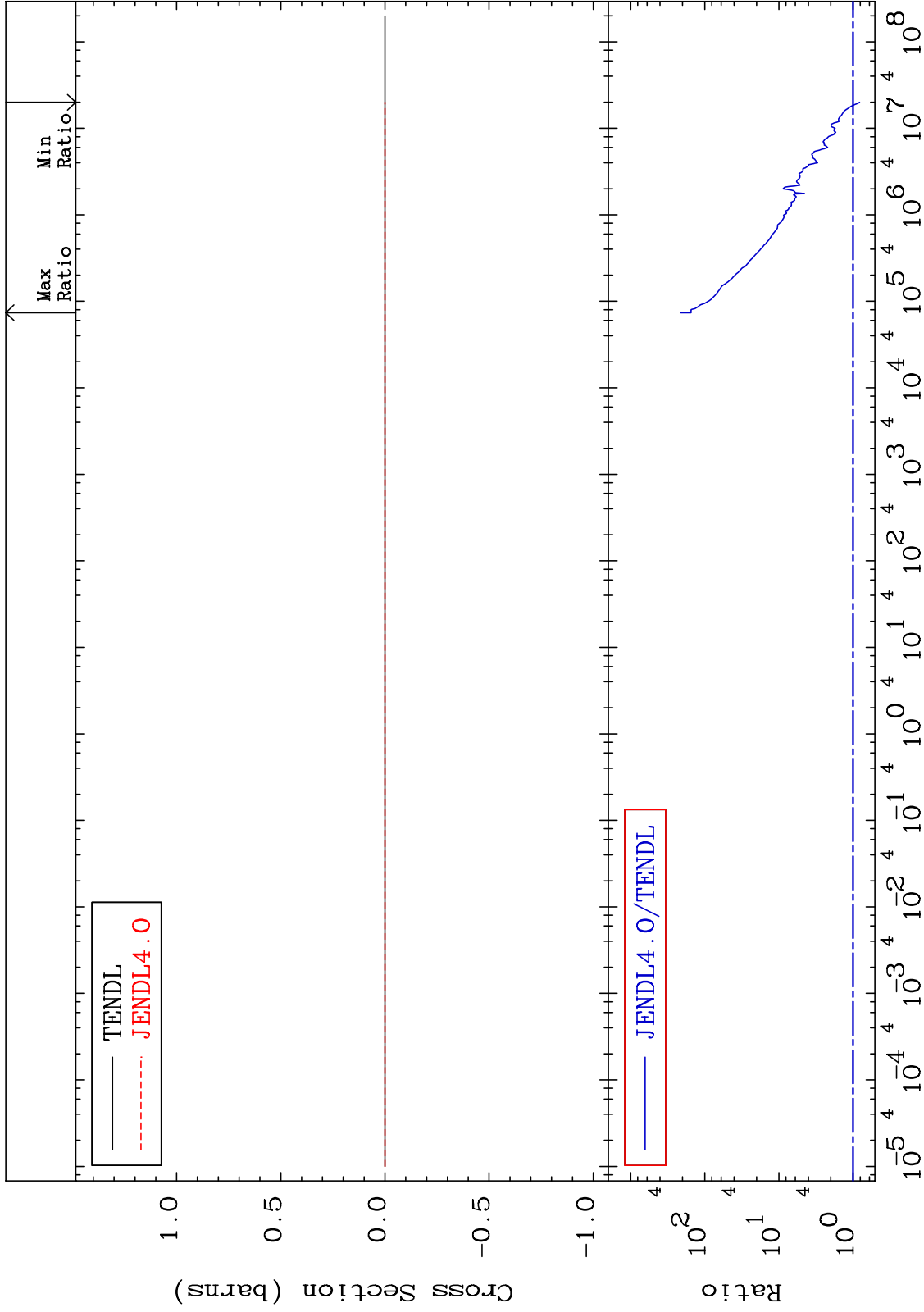
MAT 6649 Kerma inelastic (mt51-91) 66-Dy-164
 Cross Section -18.72 To 9999. %



MAT 6649

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

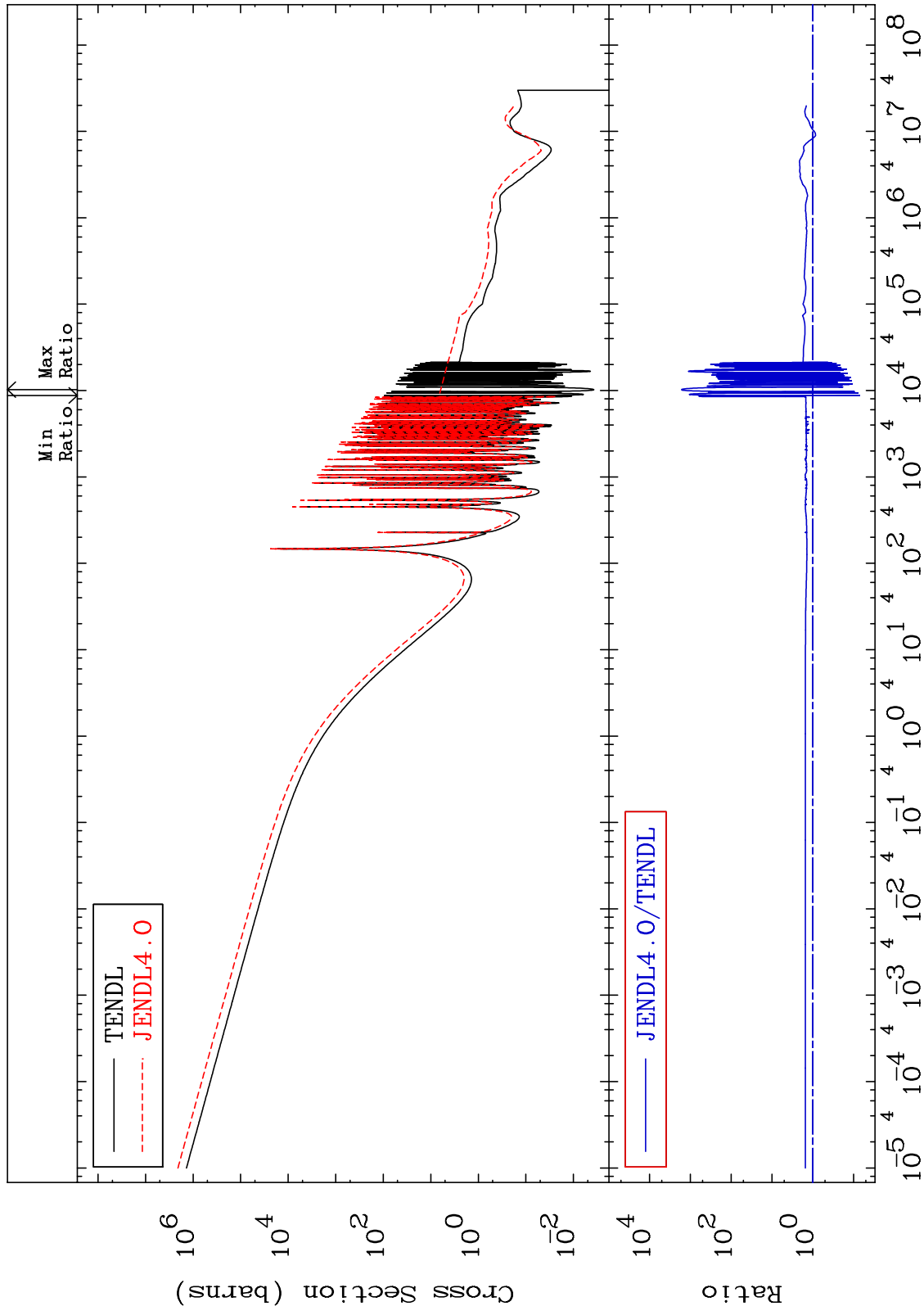
66-Dy-164
-18.72 To 9999. %



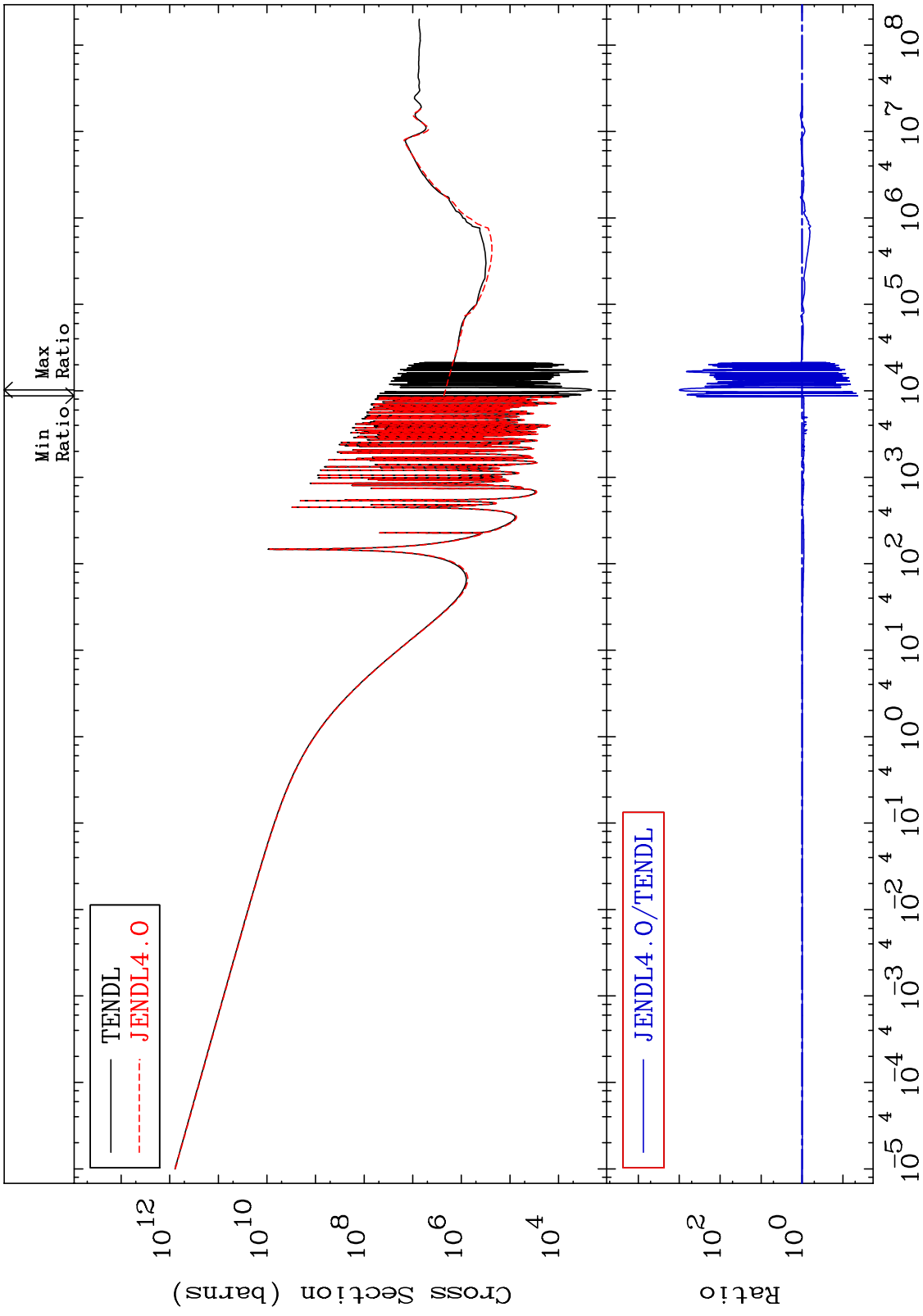
MAT 6649

Kerma capture (mt102)
Cross Section

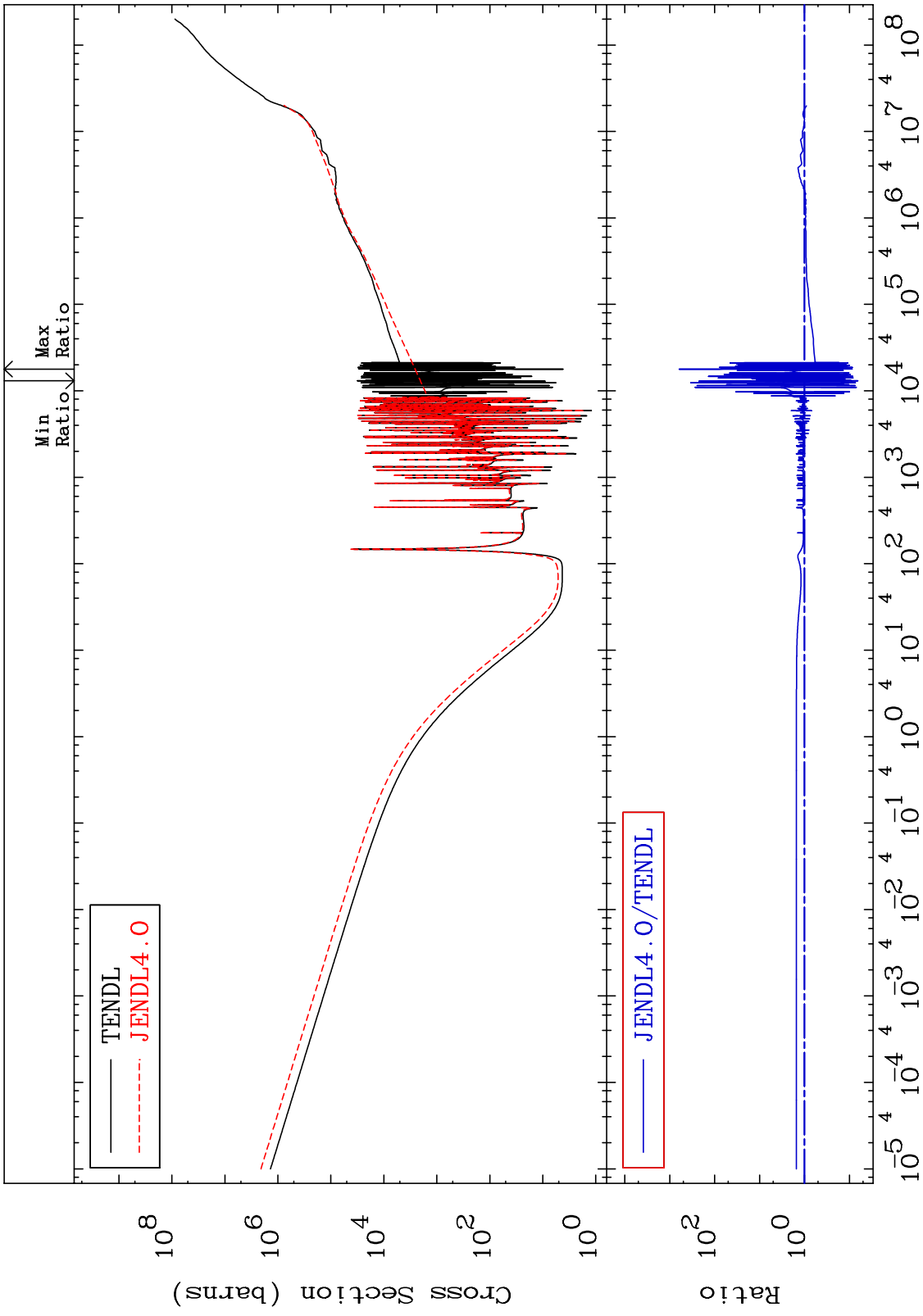
66-Dy-164
-92.93 To 9999. %



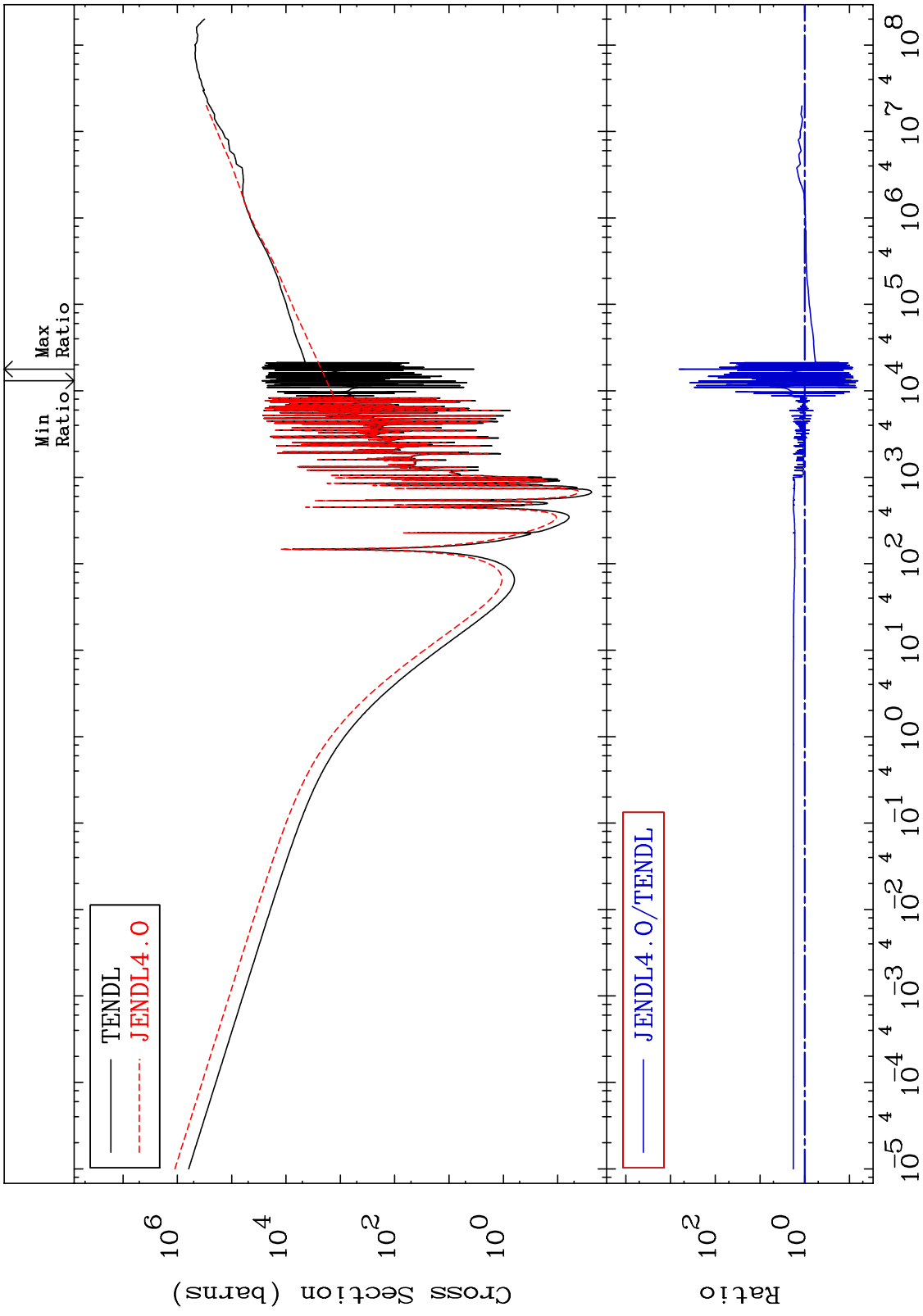
MAT 6649 Total photon (eV-barns) Cross Section 66-Dy-164 -95.69 To 9999. %



MAT 6649 Total kinematic kerma (high limit) 66-Dy-164
Cross Section -93.51 To 9999. %



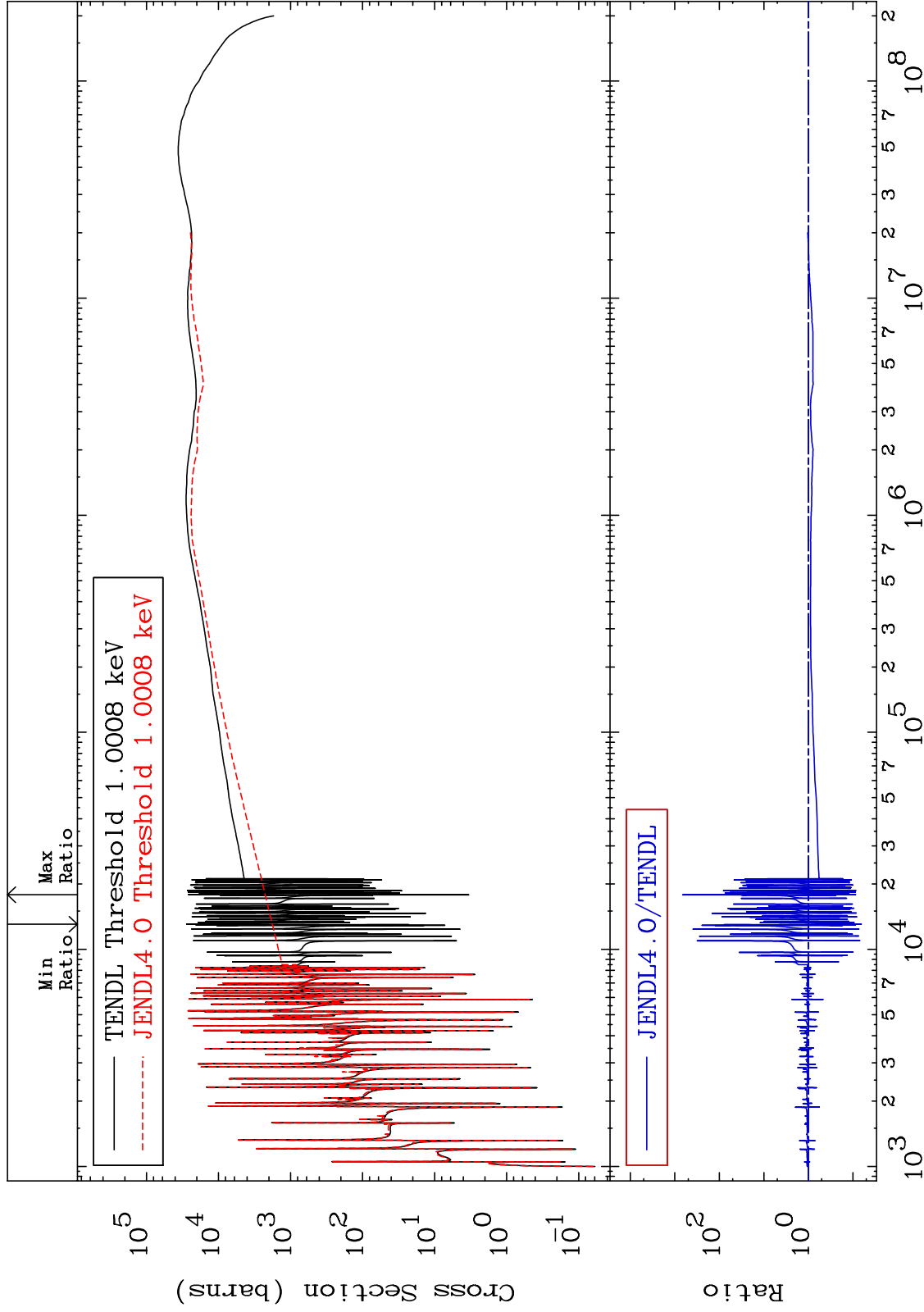
MAT 6649 Dpa total (eV-barns) 66-Dy-164
 Cross Section -93.52 To 9999. %



MAT 6649

Dpa elastic (mt2)
Cross Section

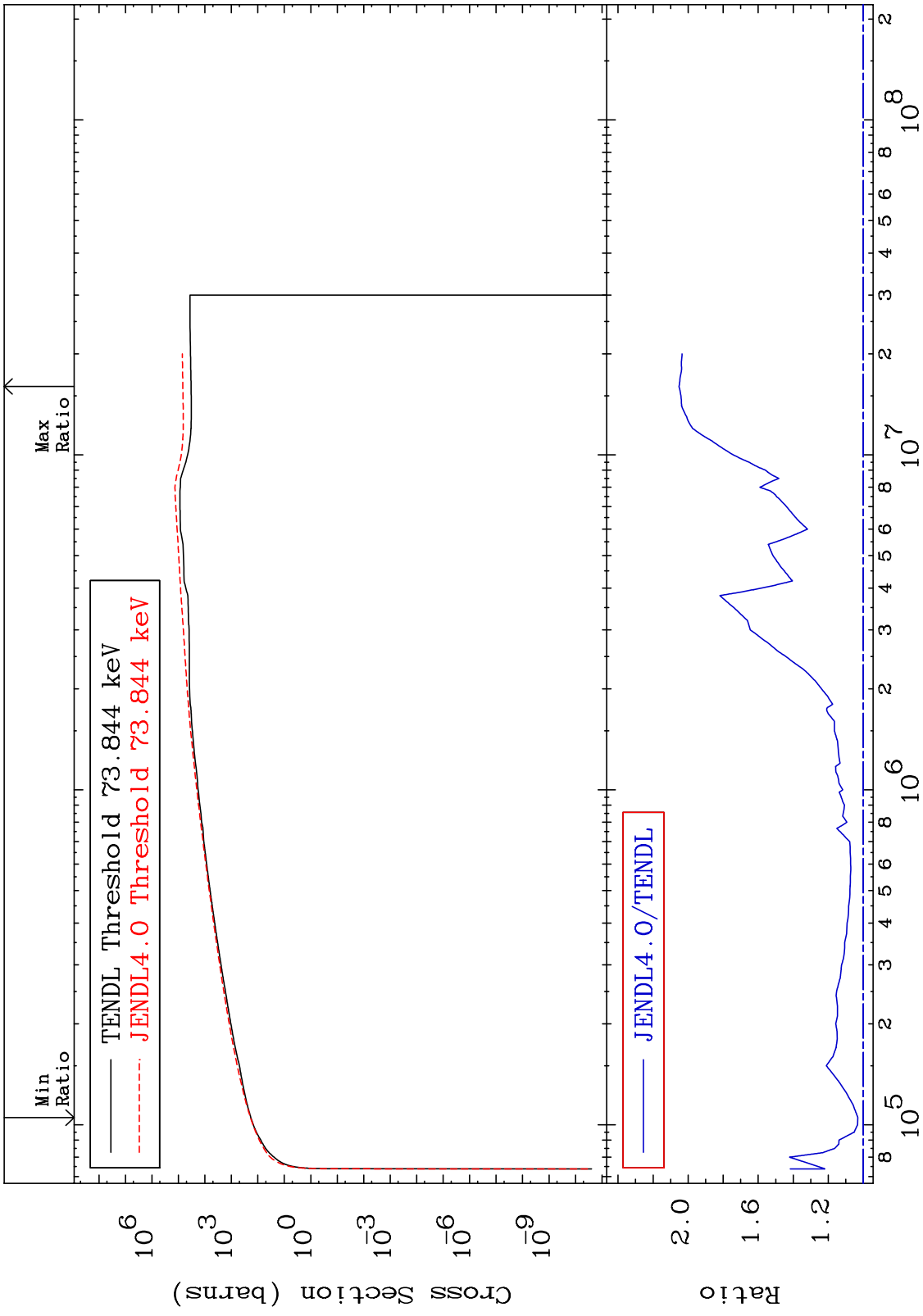
66-Dy-164
-93.53 To 9999. %



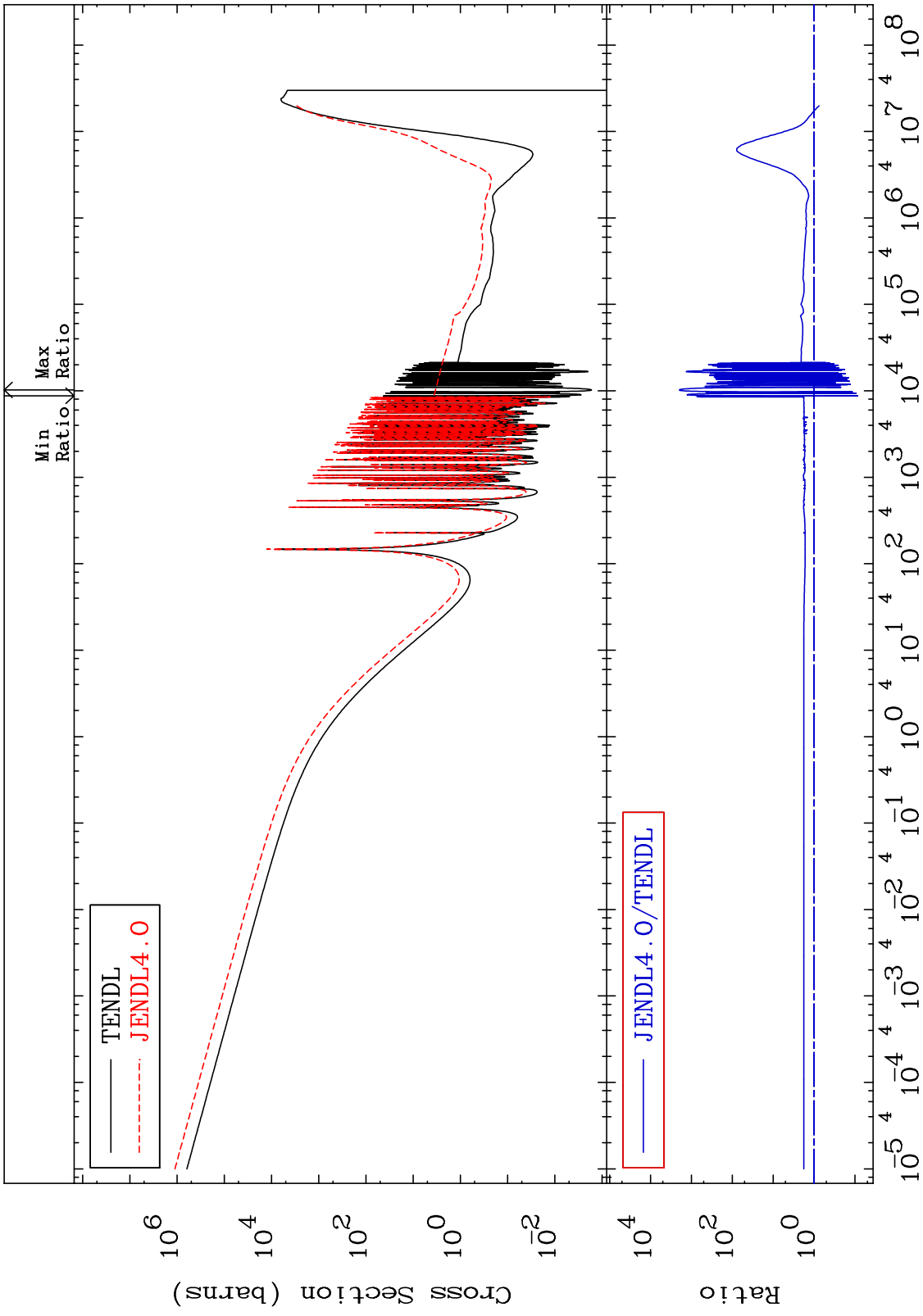
48

66-Dy-164

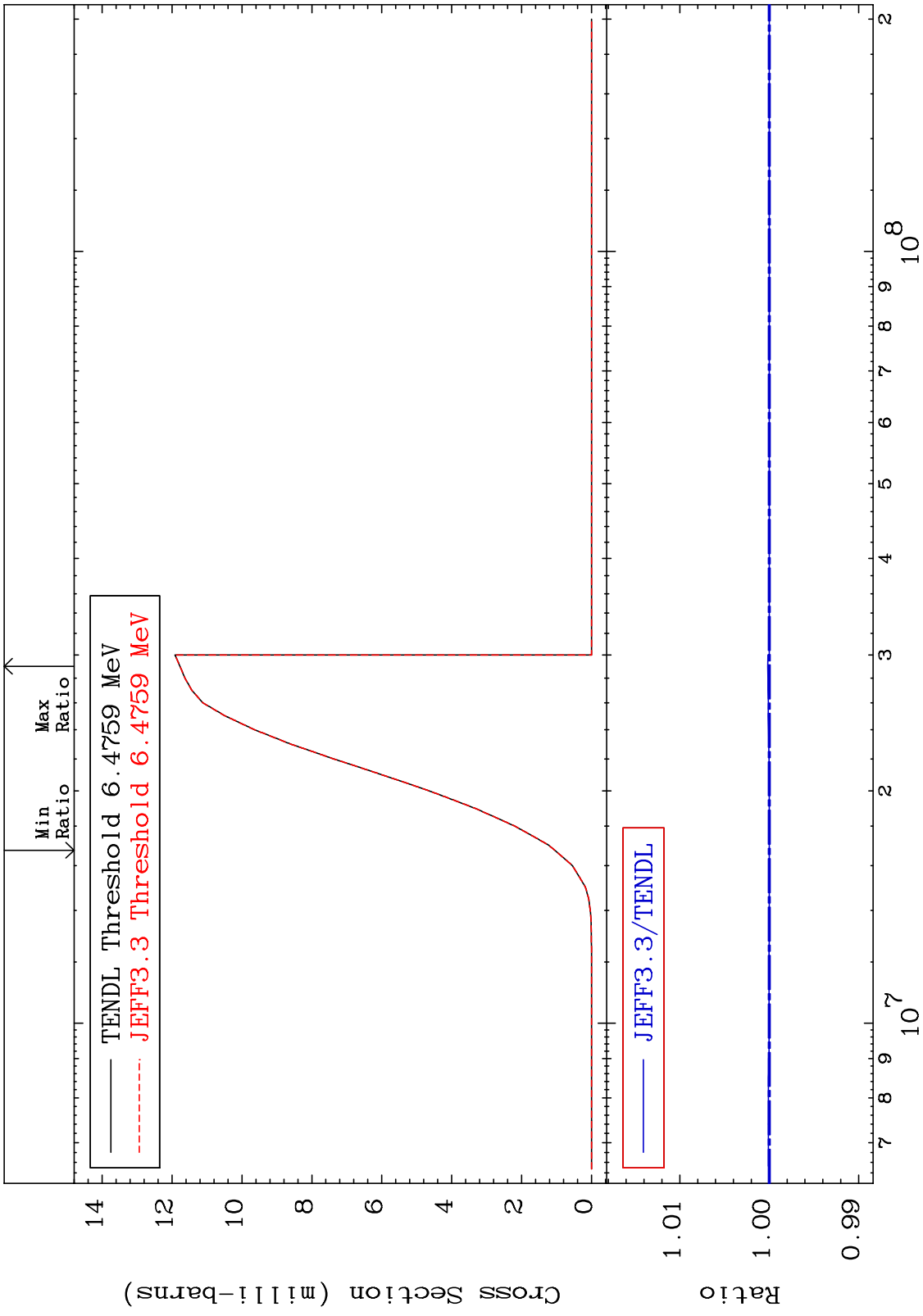
MAT 6649 Dpa inelastic (mt51-91) 66-Dy-164
 Cross Section 3.118 To 105.2 %



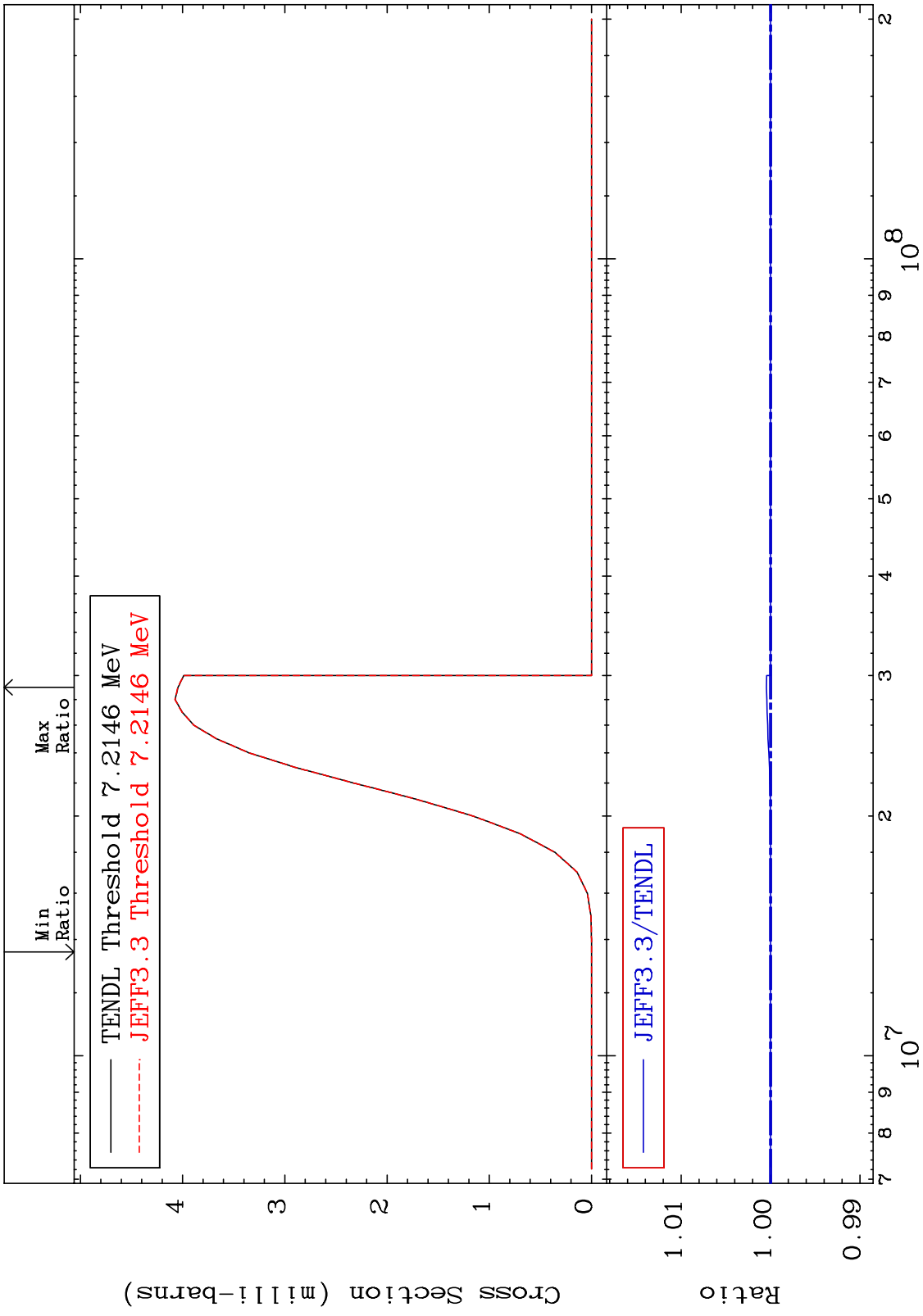
MAT 6649 Dpa disappearance (mt102 -120) 66-Dy-164
 Cross Section -91.47 To 9999. %



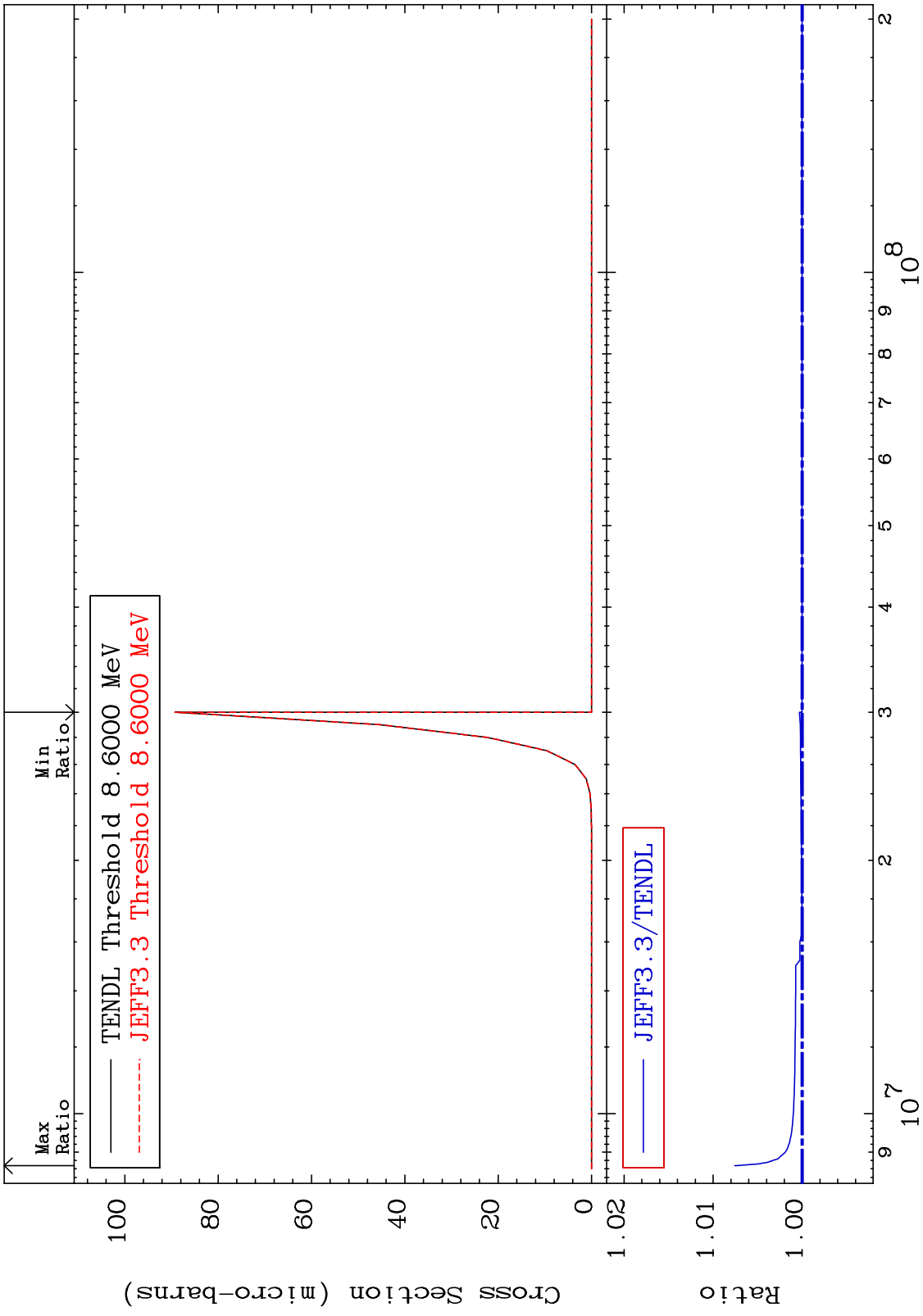
MAT 6649 (n,d) Cross Section 66-Dy-164 To 0.017 %



MAT 6649 (n,t) Cross Section 66-Dy-164 To 0.047 %



MAT 6649 (n, He-3) 66-Dy-164
Cross Section 0.000 To 0.757 %



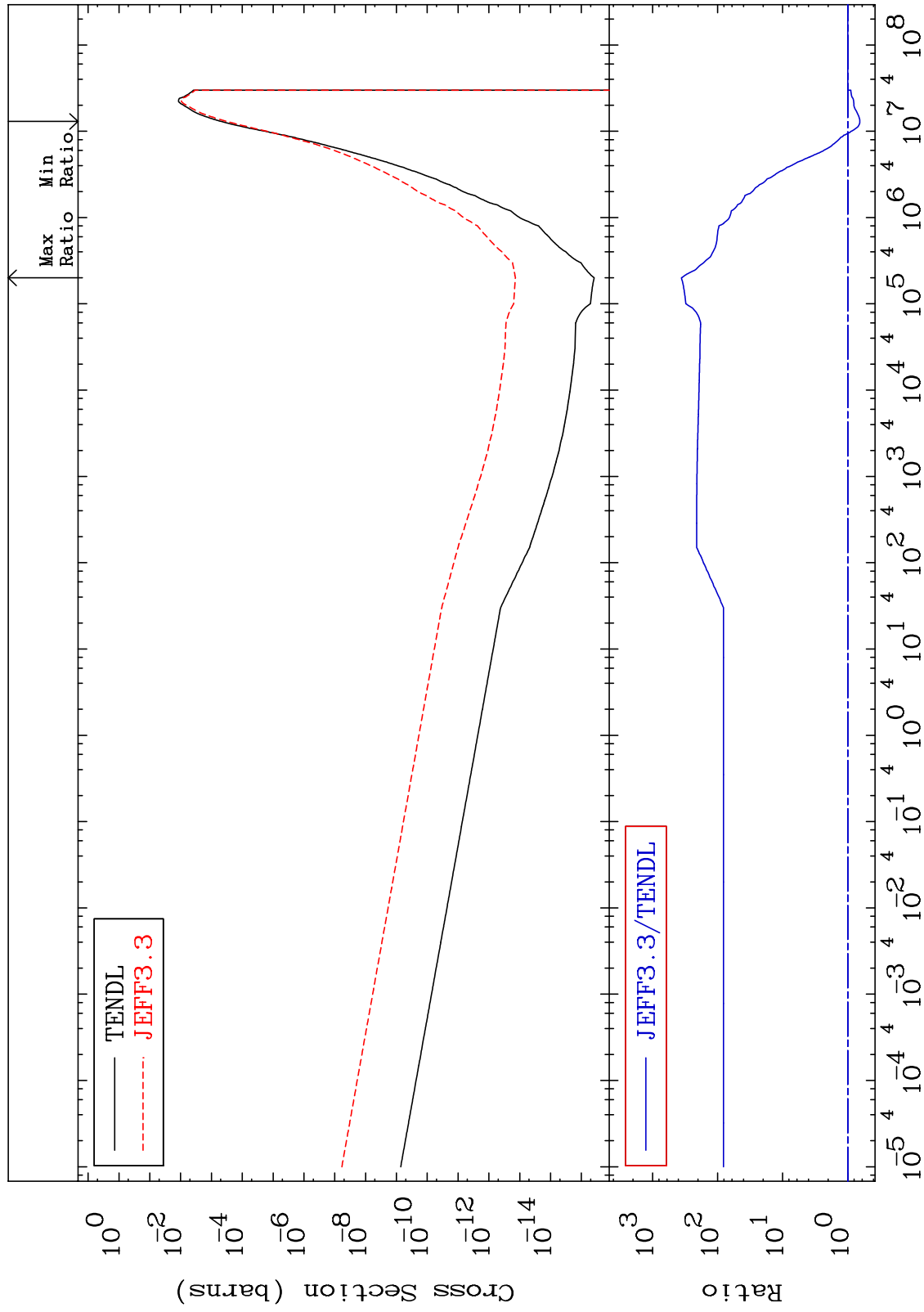
MAT 6649

(n, α)

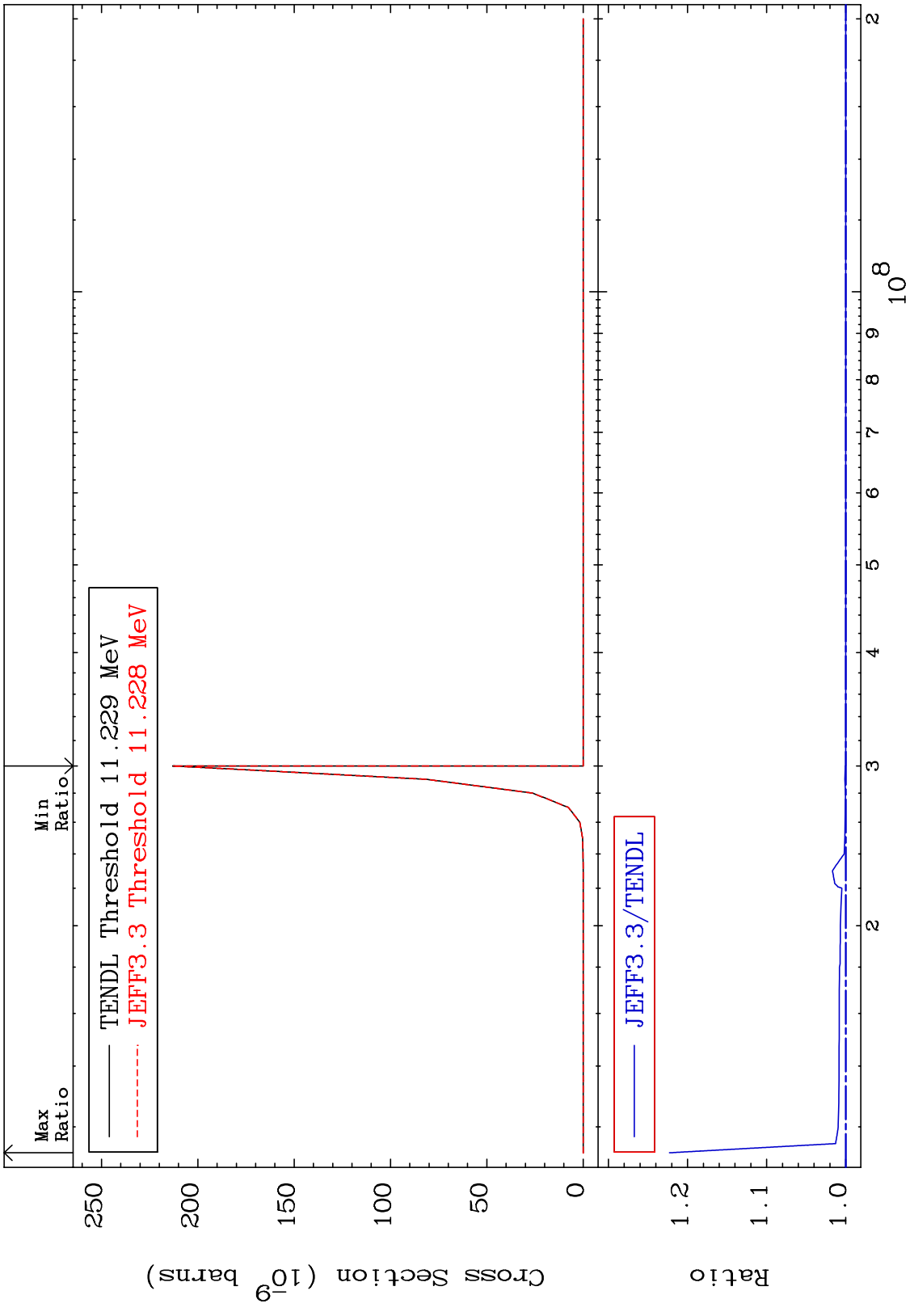
66-Dy-164

Cross Section

-34.89 To 9999. %



MAT 6649 (n,2p) Cross Section 66-Dy-164 To 22.28 %



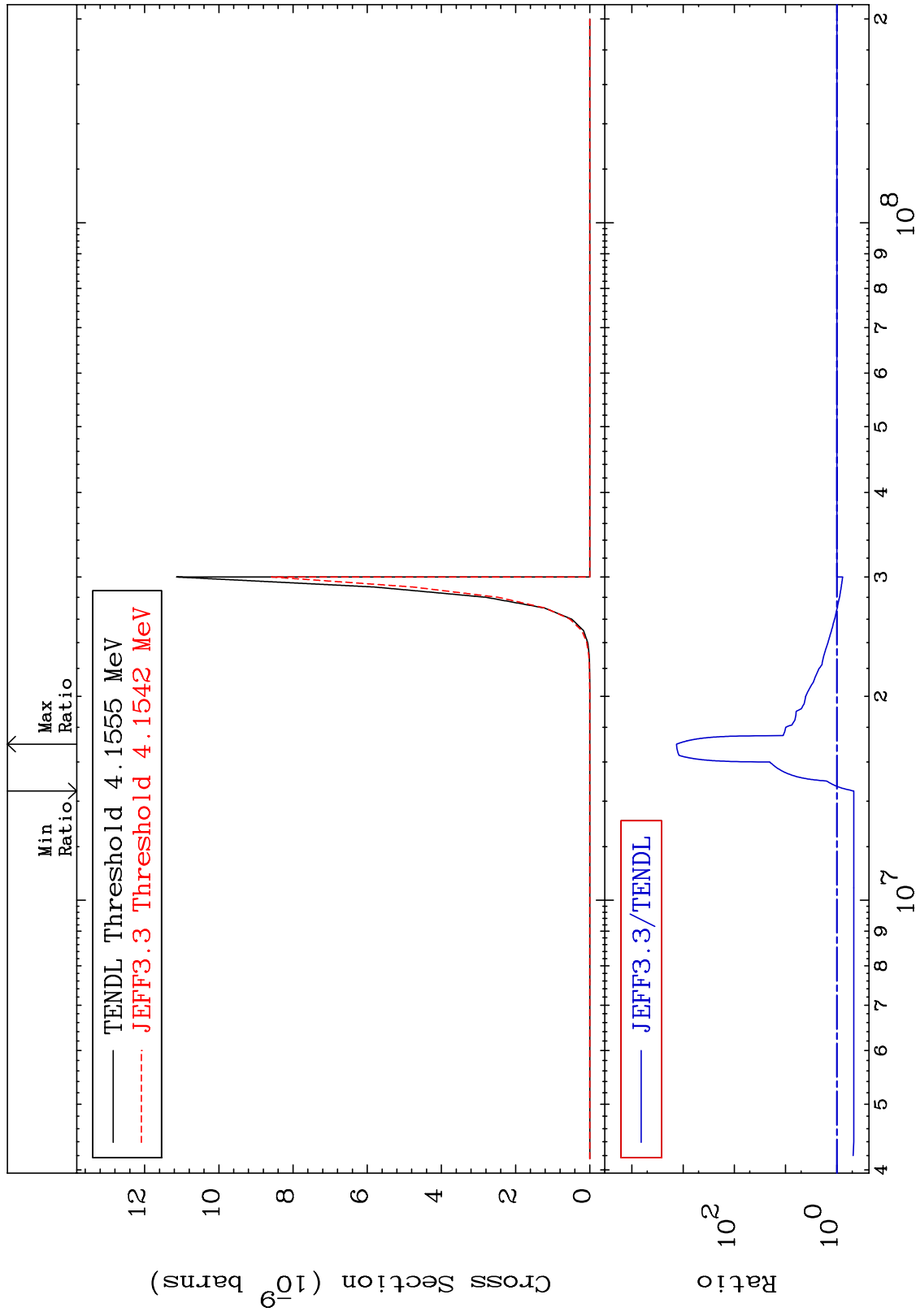
MAT 6649

(n,p) α

66-Dy-164

-53.41 To 9999. %

Cross Section

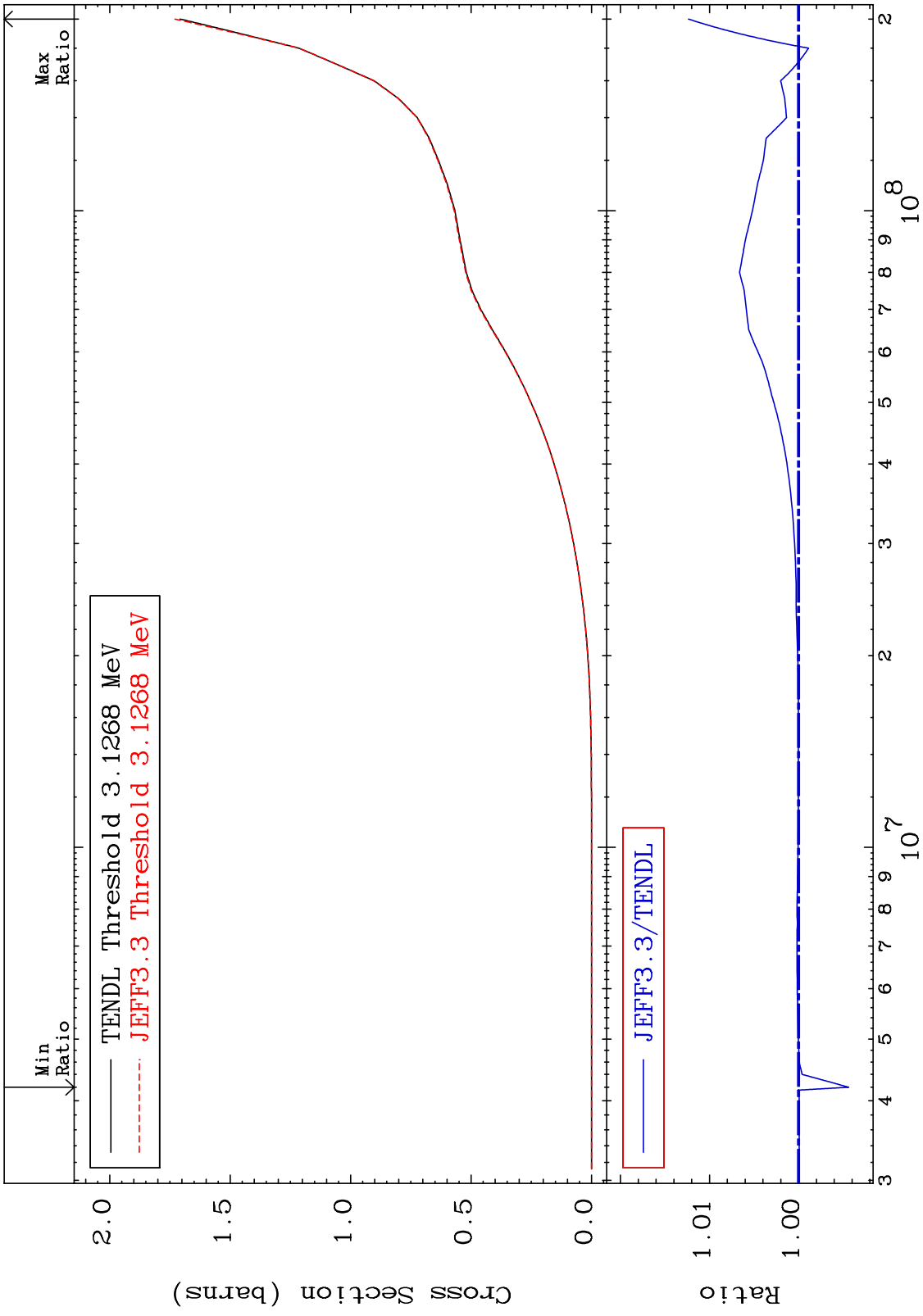


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Incident Energy (eV)

66-Dy-164

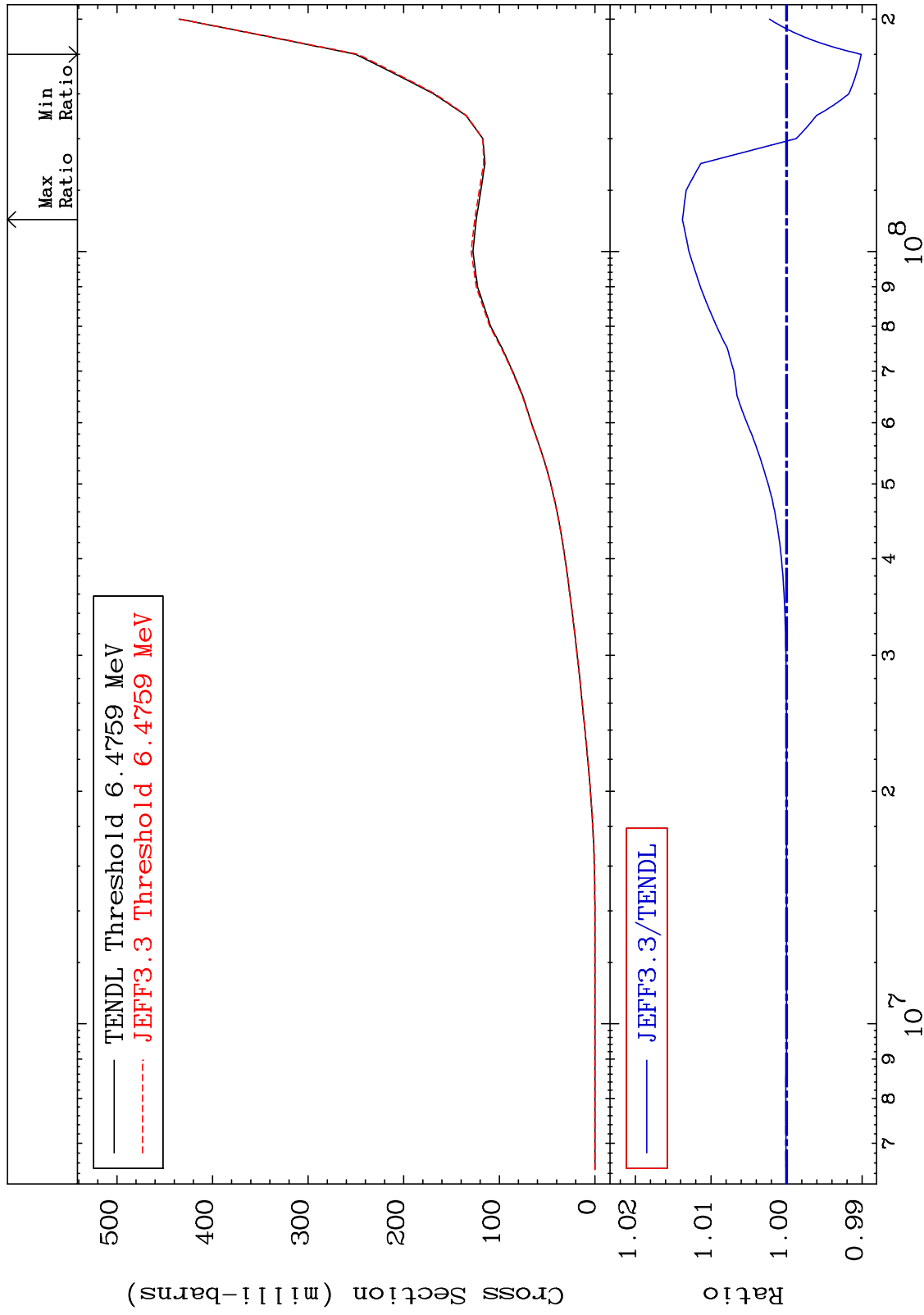
MAT 6649 Hydrogen Production Cross Section 66-Dy-164
 -0.560 To 1.238 %



MAT 6649

Deuterium Production
Cross Section

66-Dy-164
-0.989 To 1.377 %



58

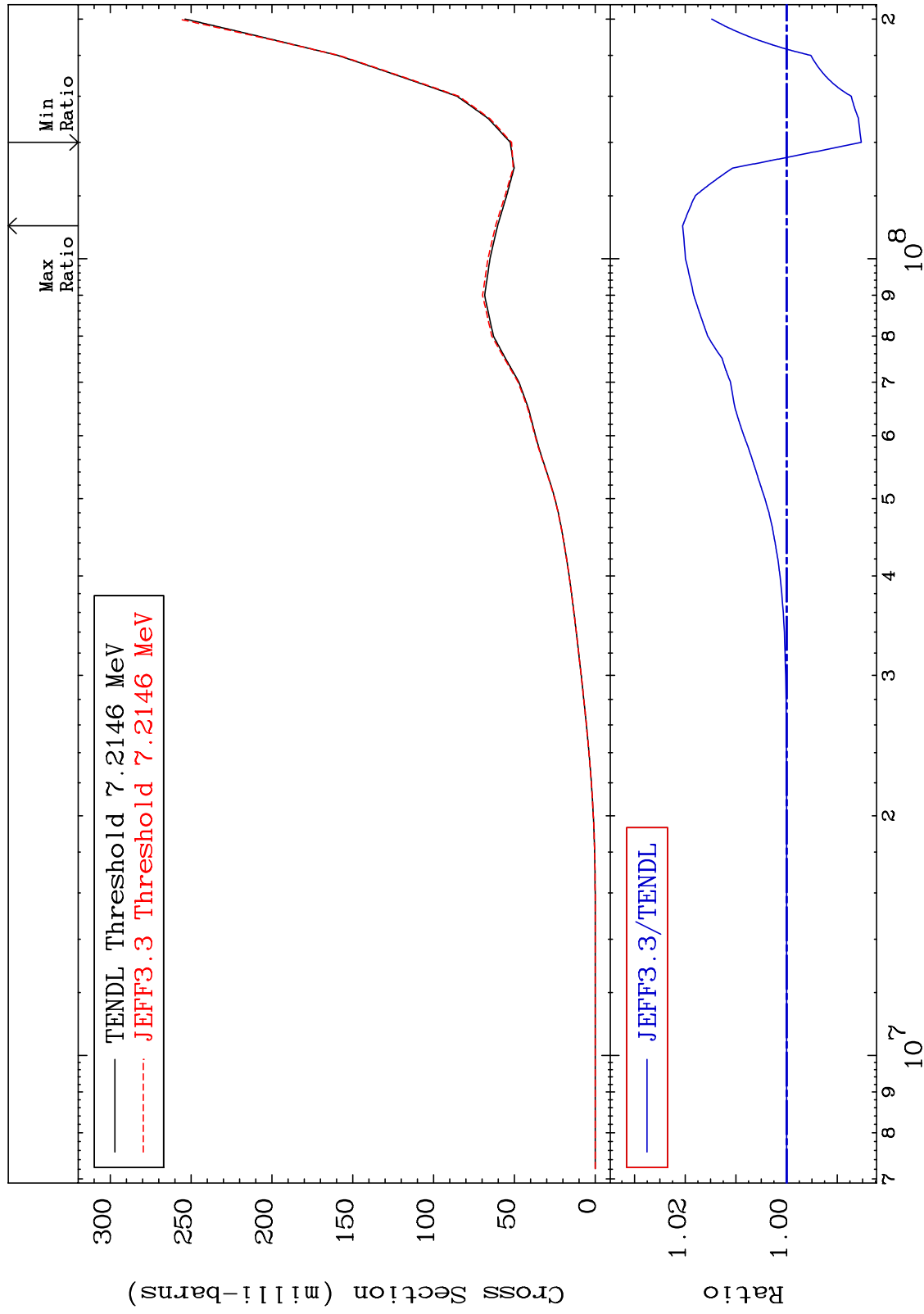
Incident Energy (eV)

66-Dy-164

MAT 6649

Tritium Production
Cross Section

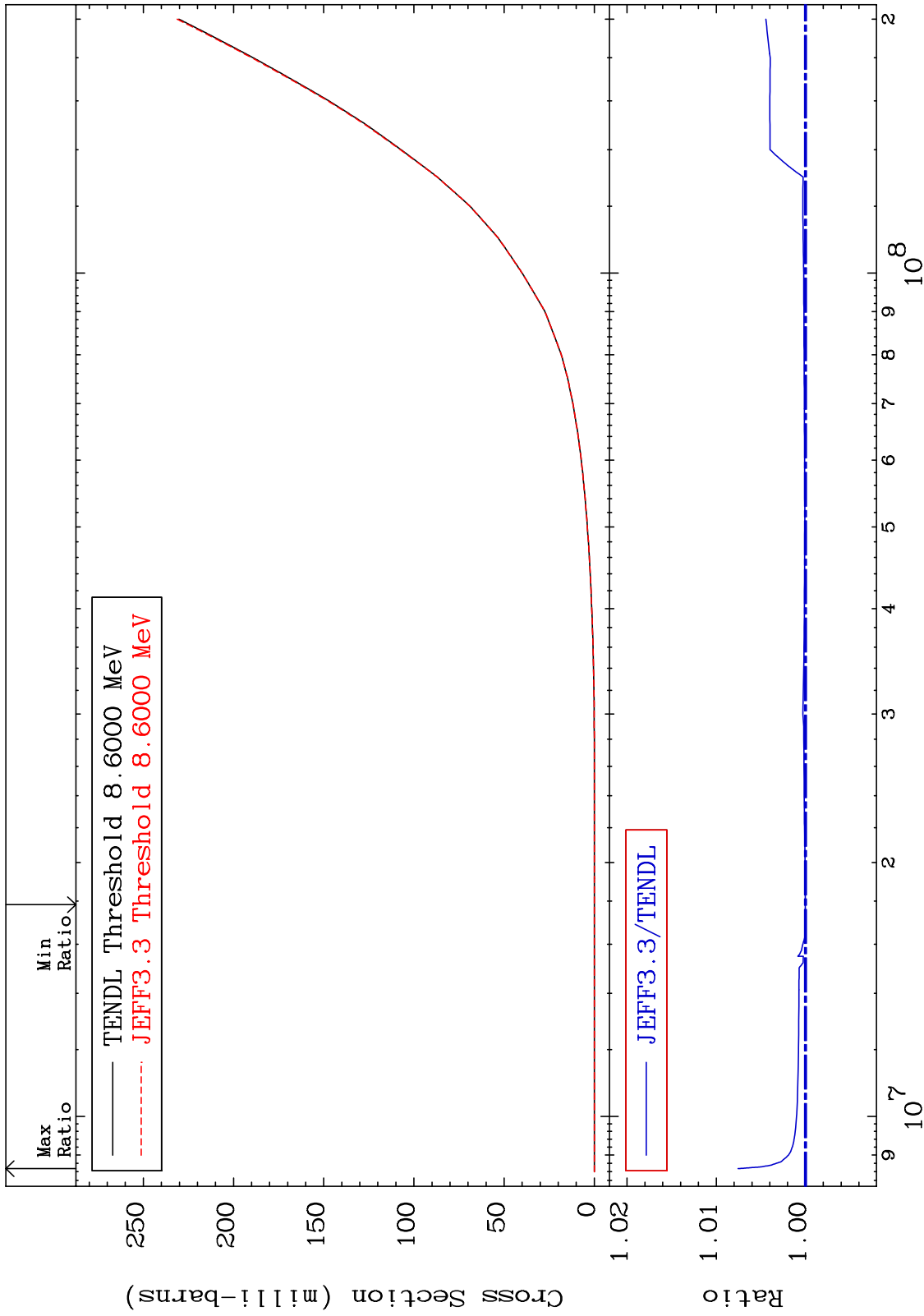
66-Dy-164
-1.473 To 2.050 %



MAT 6649

He-3 Production
Cross Section

66-Dy-164
To 0.757 %



60

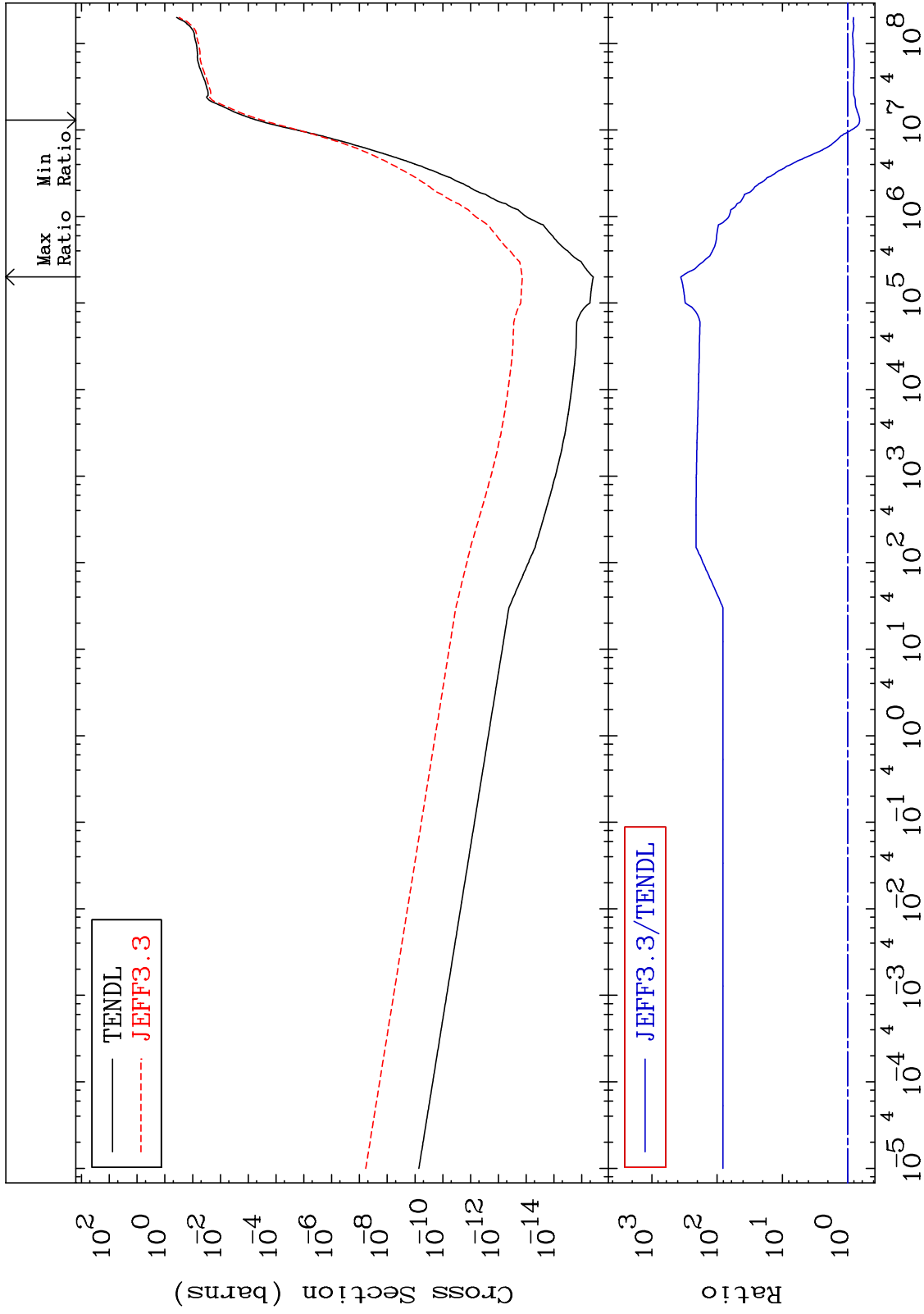
Incident Energy (eV)

66-Dy-164

MAT 6649

He-4 Production
Cross Section

66-Dy-164
-34.48 To 9999. %

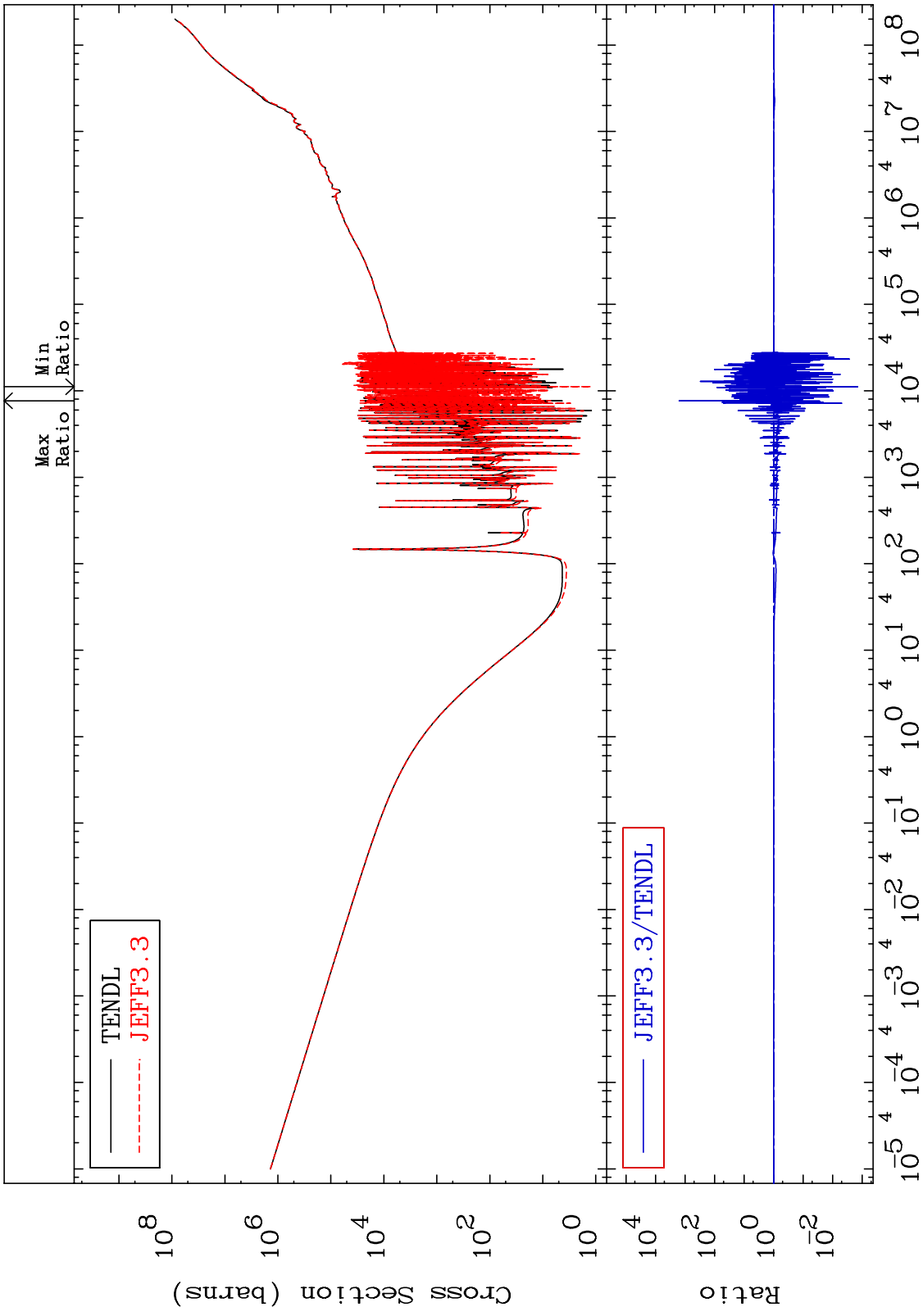


61

Incident Energy (eV)

66-Dy-164

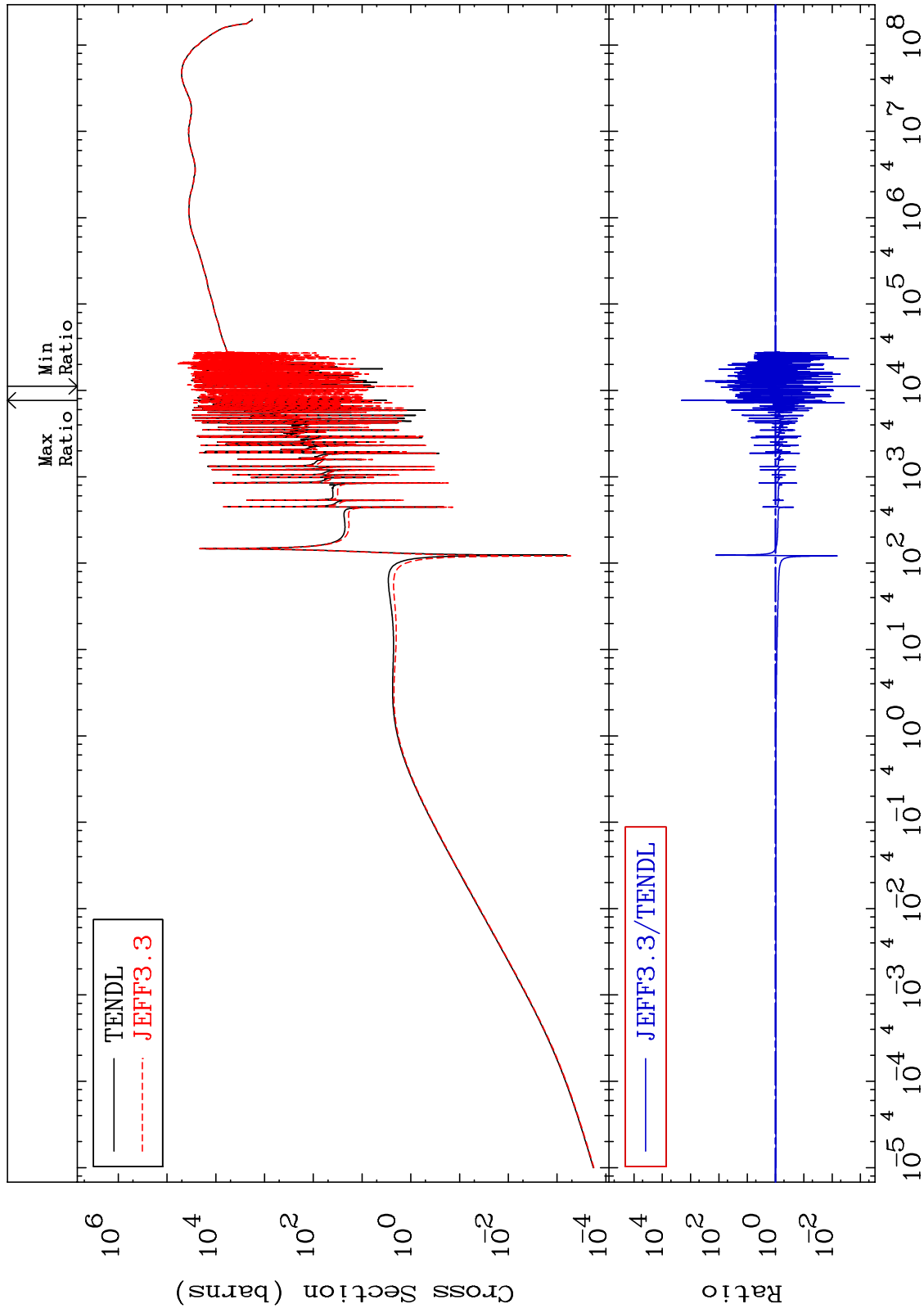
MAT 6649 Kerma total (eV-barns)
Cross Section 66-Dy-164
-99.86 To 9999. %



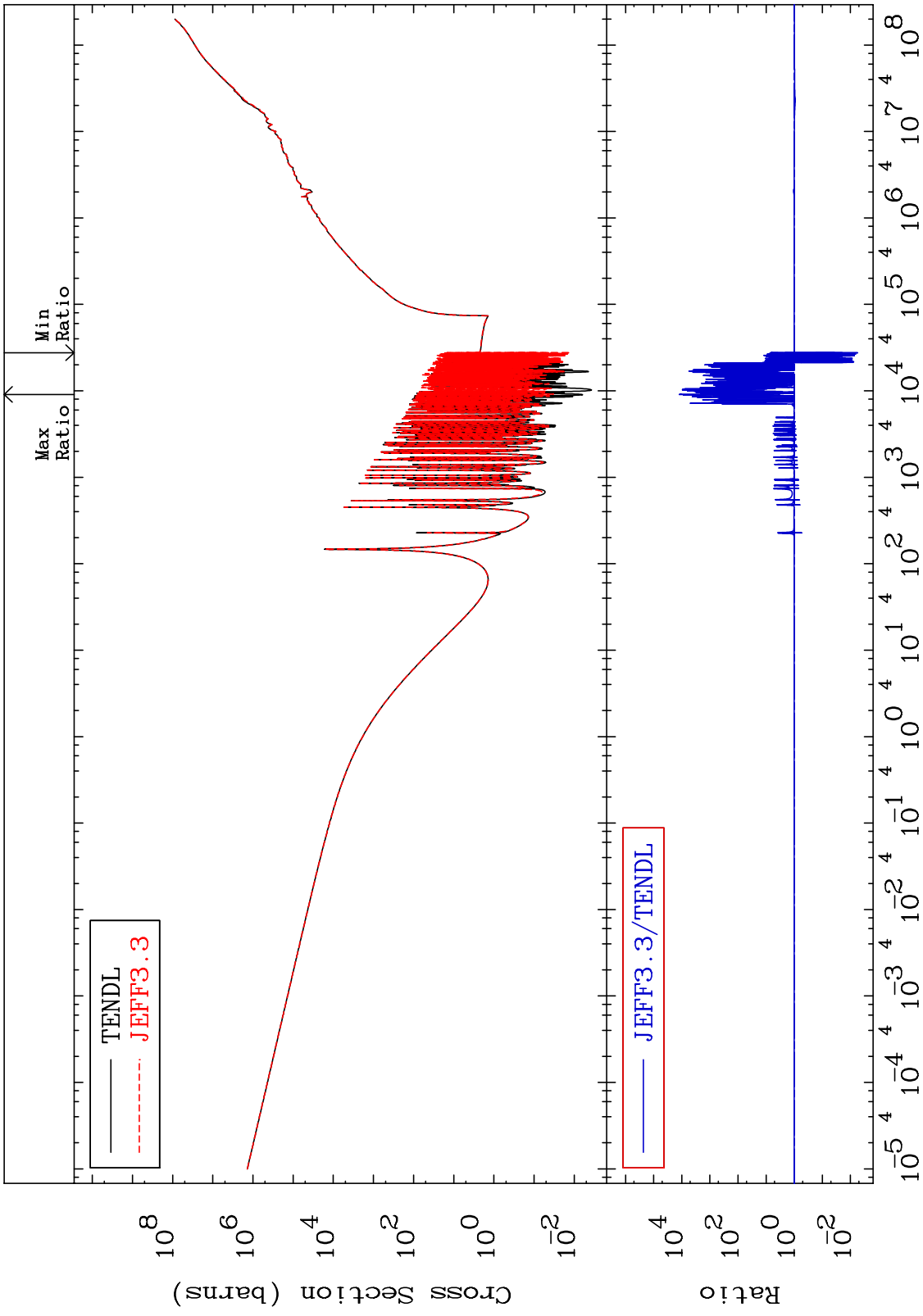
MAT 6649

Kerma elastic
Cross Section

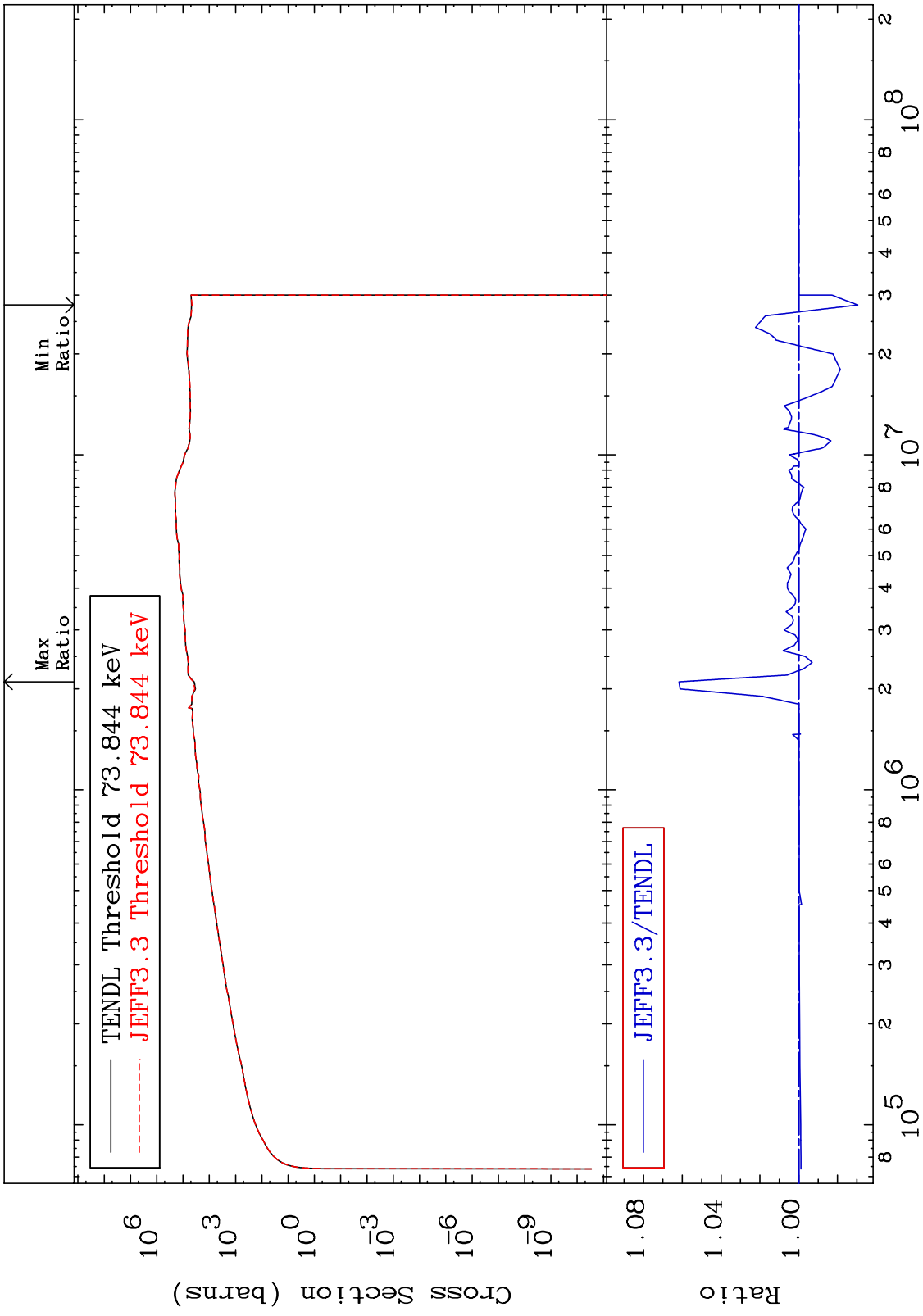
66-Dy-164
-99.89 To 9999. %



MAT 6649 Kerma non-elastic (all but mt2) 66-Dy-164
 Cross Section -99.45 To 9999. %



MAT 6649 Kerma inelastic (mt51-91) 66-Dy-164
Cross Section -3.047 To 6.167 %

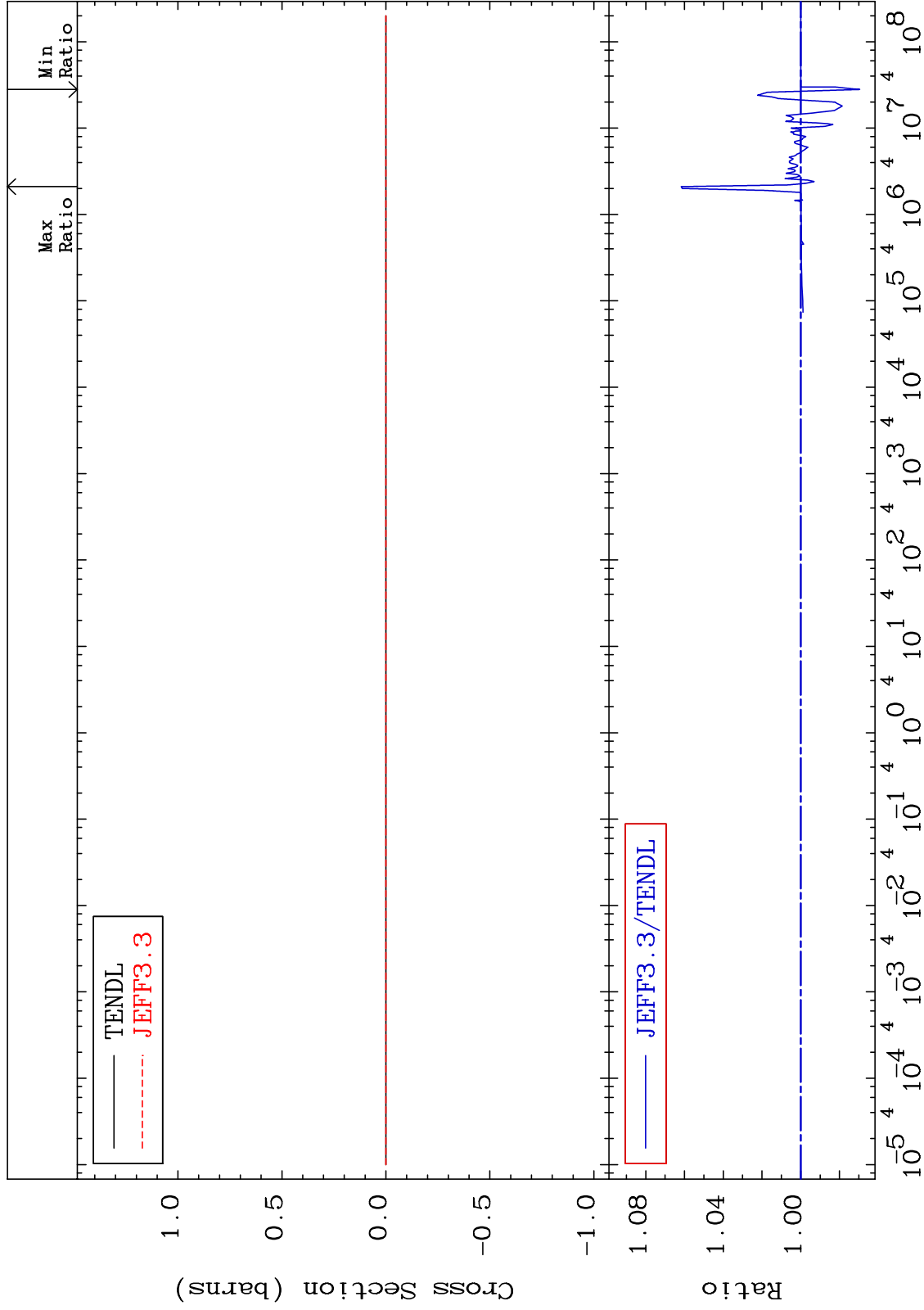


65 66-Dy-164

MAT 6649

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

66-Dy-164
-3.047 To 6.167 %



66

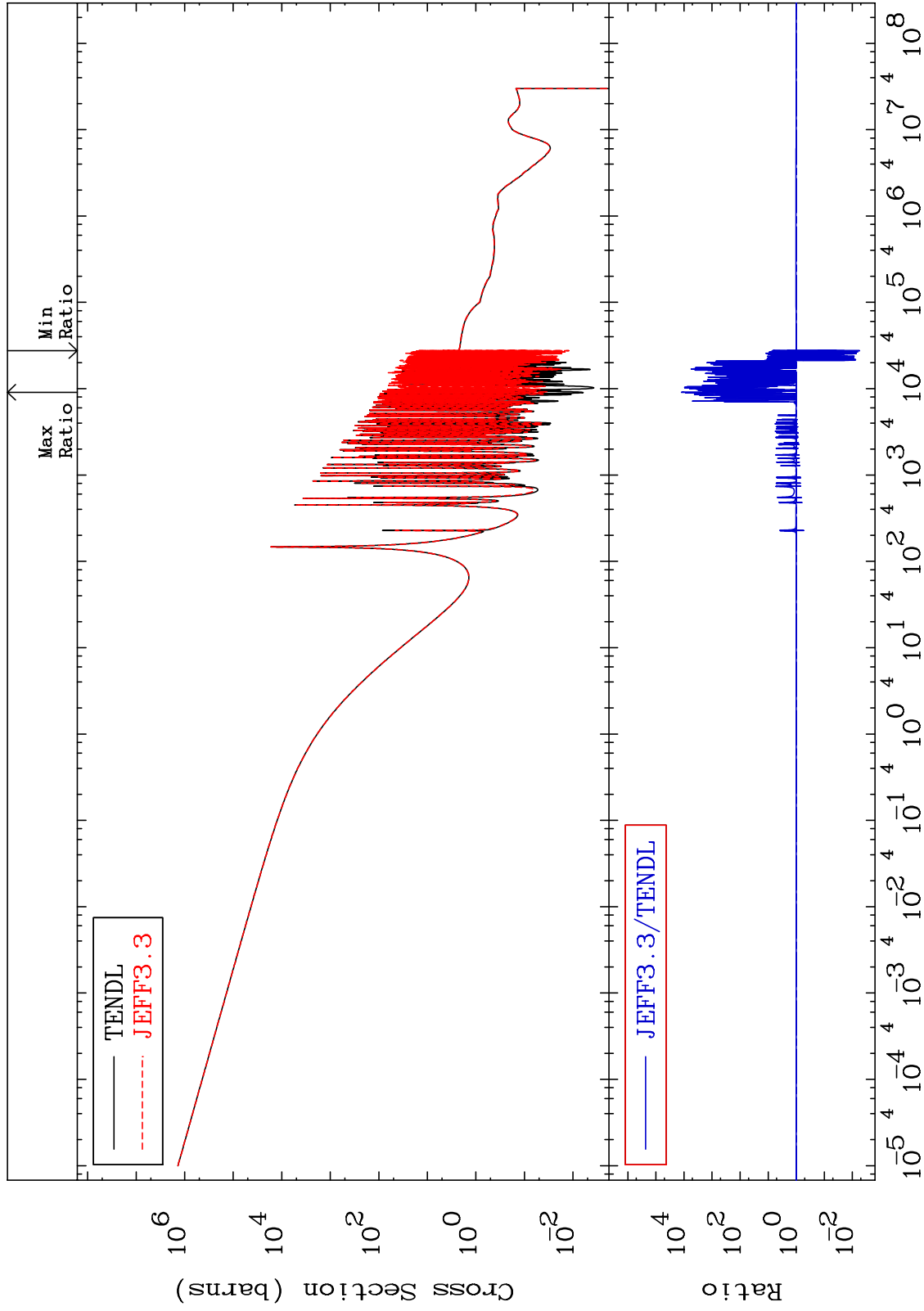
Incident Energy (eV)

66-Dy-164

MAT 6649

Kerma capture (mt102)
Cross Section

66-Dy-164
-99.45 To 9999. %



67

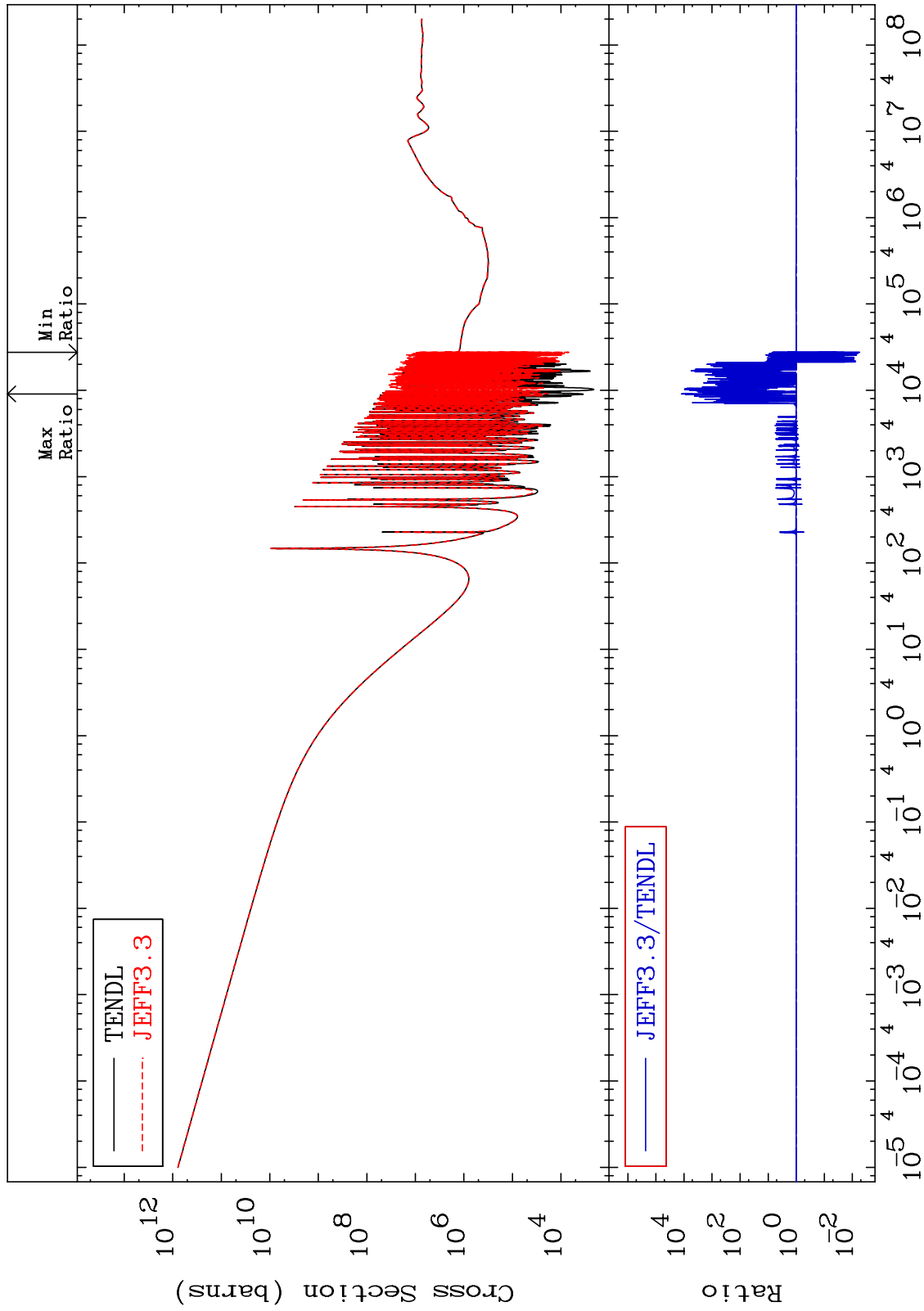
Incident Energy (eV)

66-Dy-164

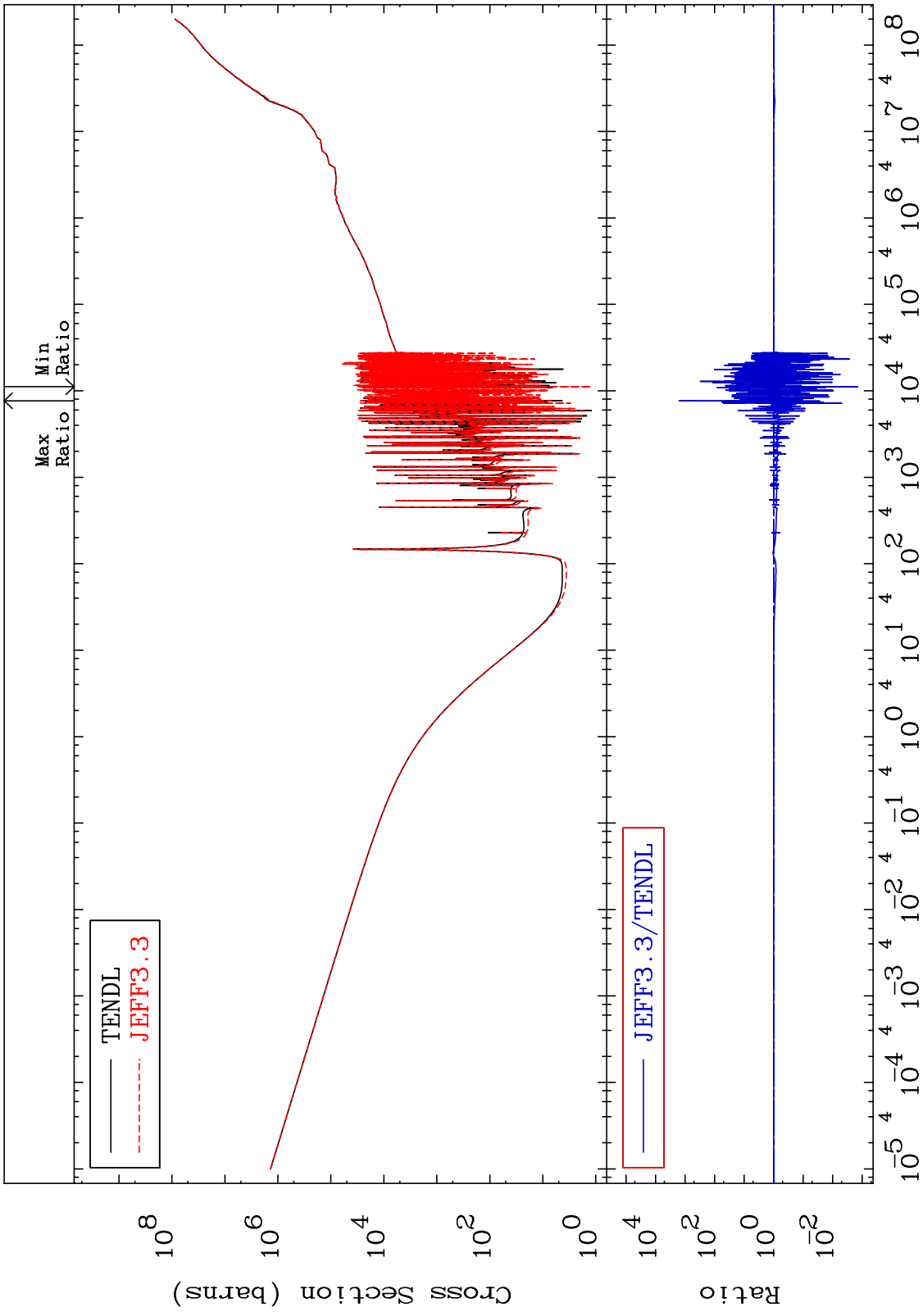
MAT 6649

Total photon (eV-barns)
Cross Section

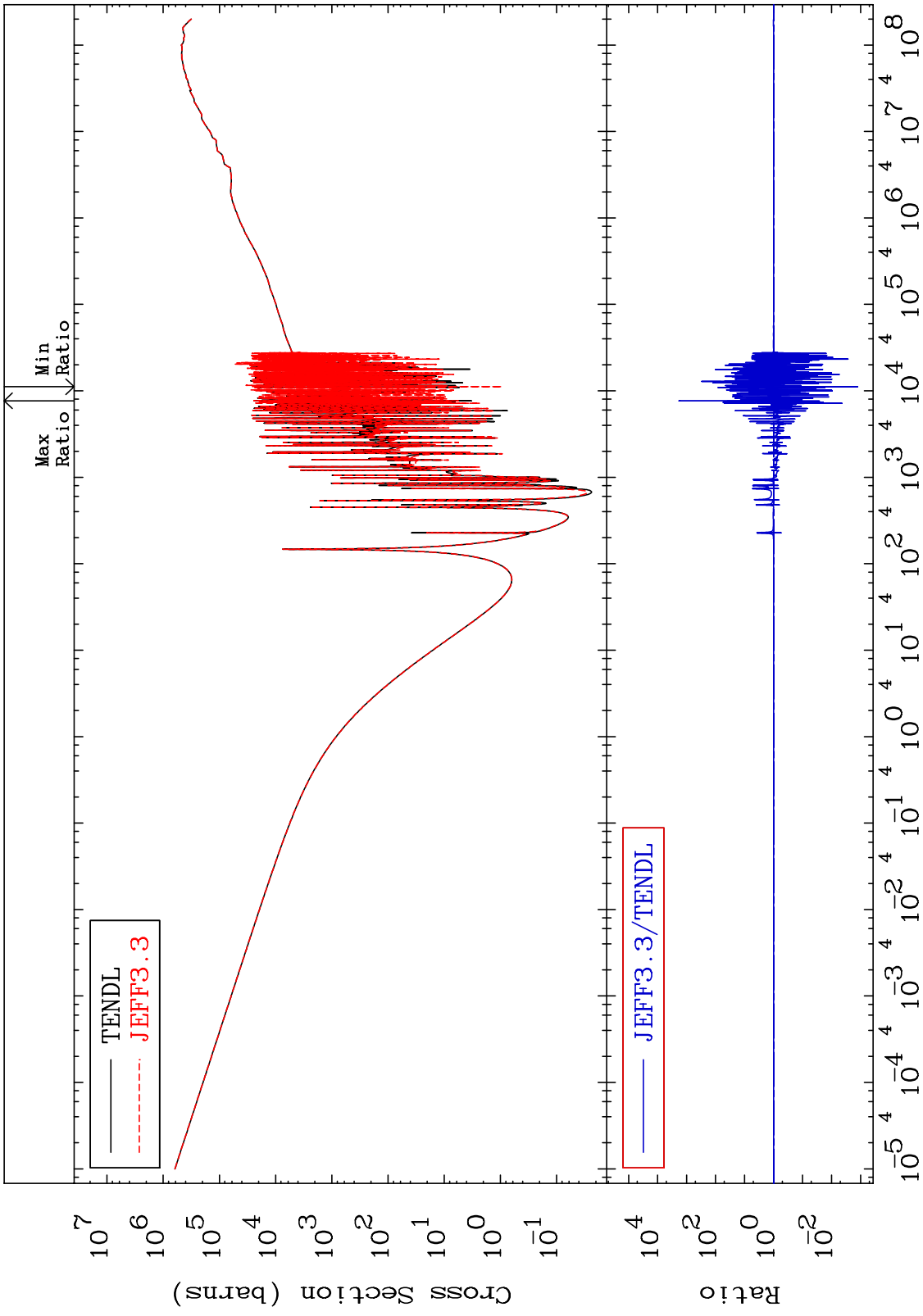
66-Dy-164
-99.45 To 9999. %



MAT 6649 Total kinematic kerma (high limit) 66-Dy-164
Cross Section -99.86 To 9999. %



MAT 6649 Dpa total (eV-barns) 66-Dy-164
 Cross Section -99.88 To 9999. %

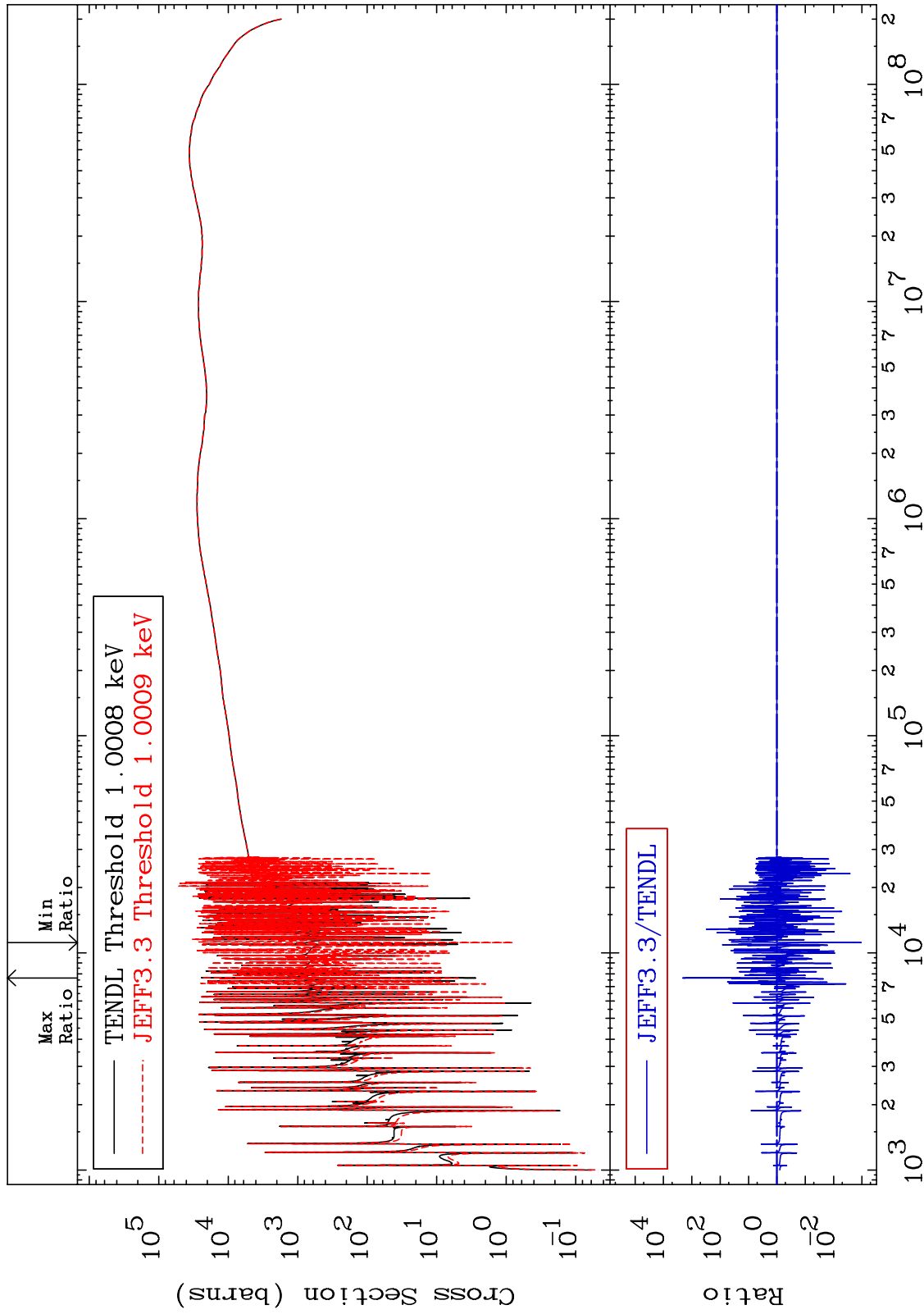


70 Incident Energy (eV) 66-Dy-164

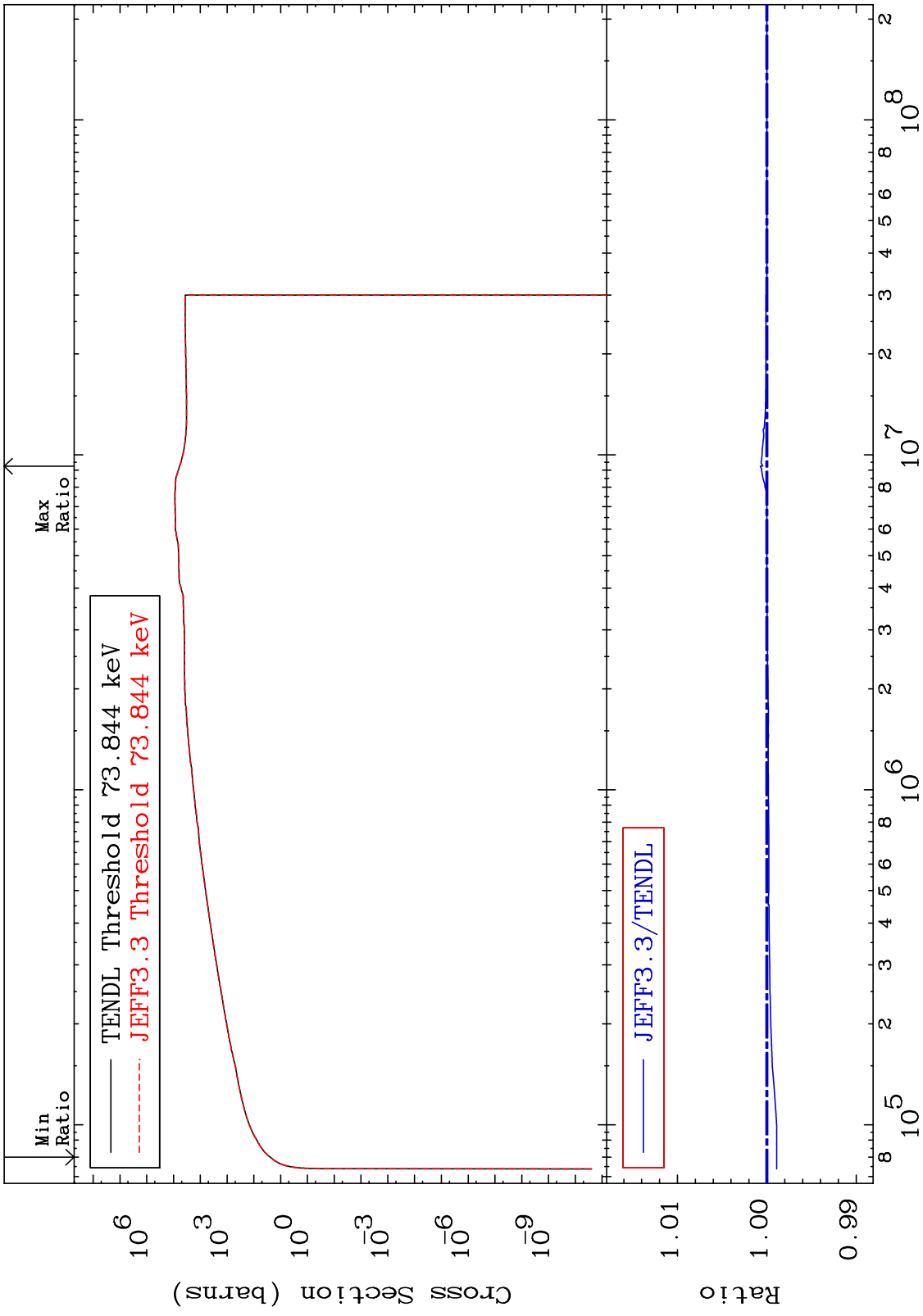
MAT 6649

Dpa elastic (mt2)
Cross Section

66-Dy-164
-99.89 To 9999. %



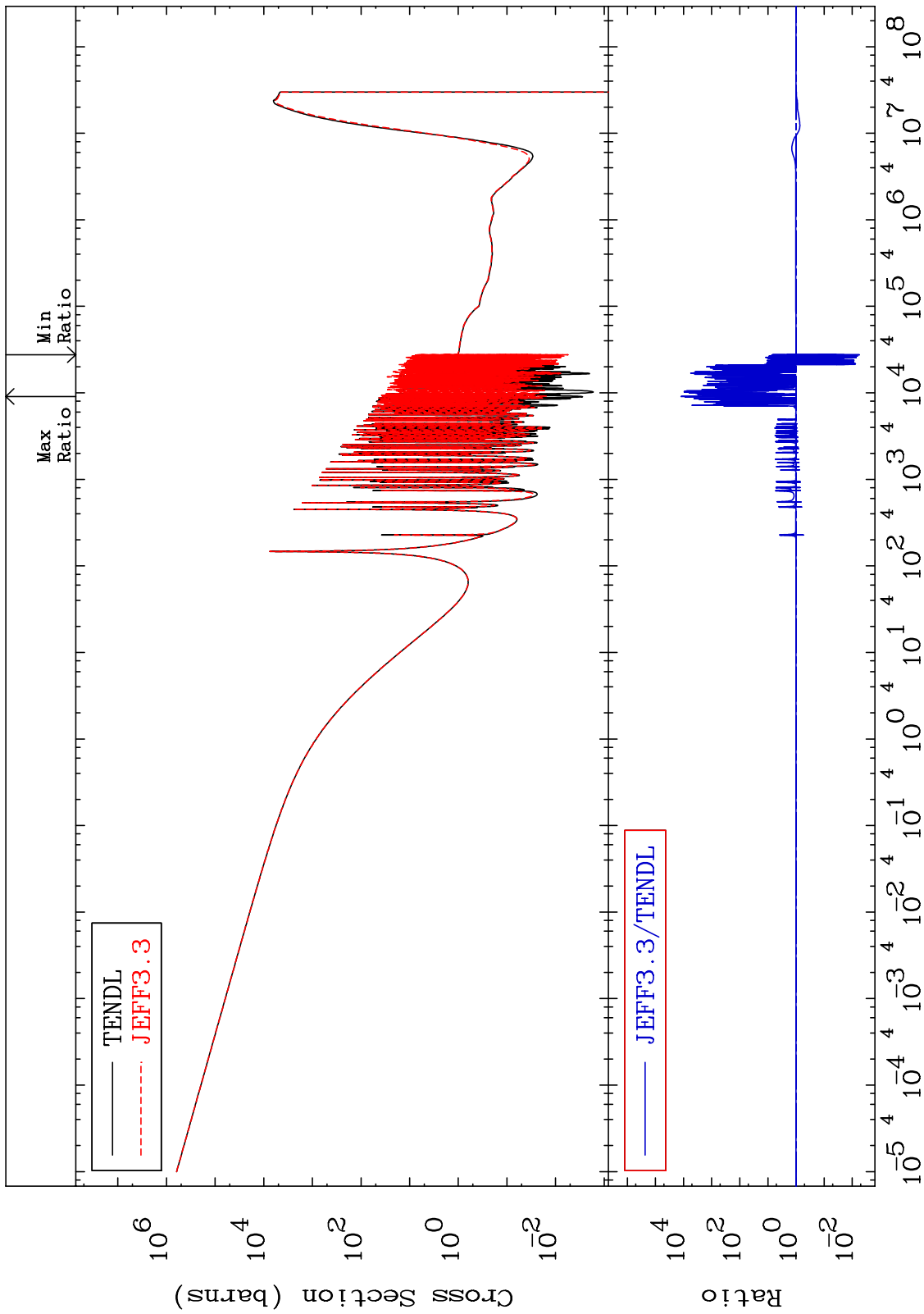
MAT 6649 Dpa inelastic (mt51-91) 66-Dy-164
Cross Section -0.110 To 0.074 %



MAT 6649

Dpa disappearance (mt102 -120)
Cross Section

66-Dy-164
-99.45 To 9999. %



73

Incident Energy (eV)

66-Dy-164