

Program Complot
(Version 2018-1)

by

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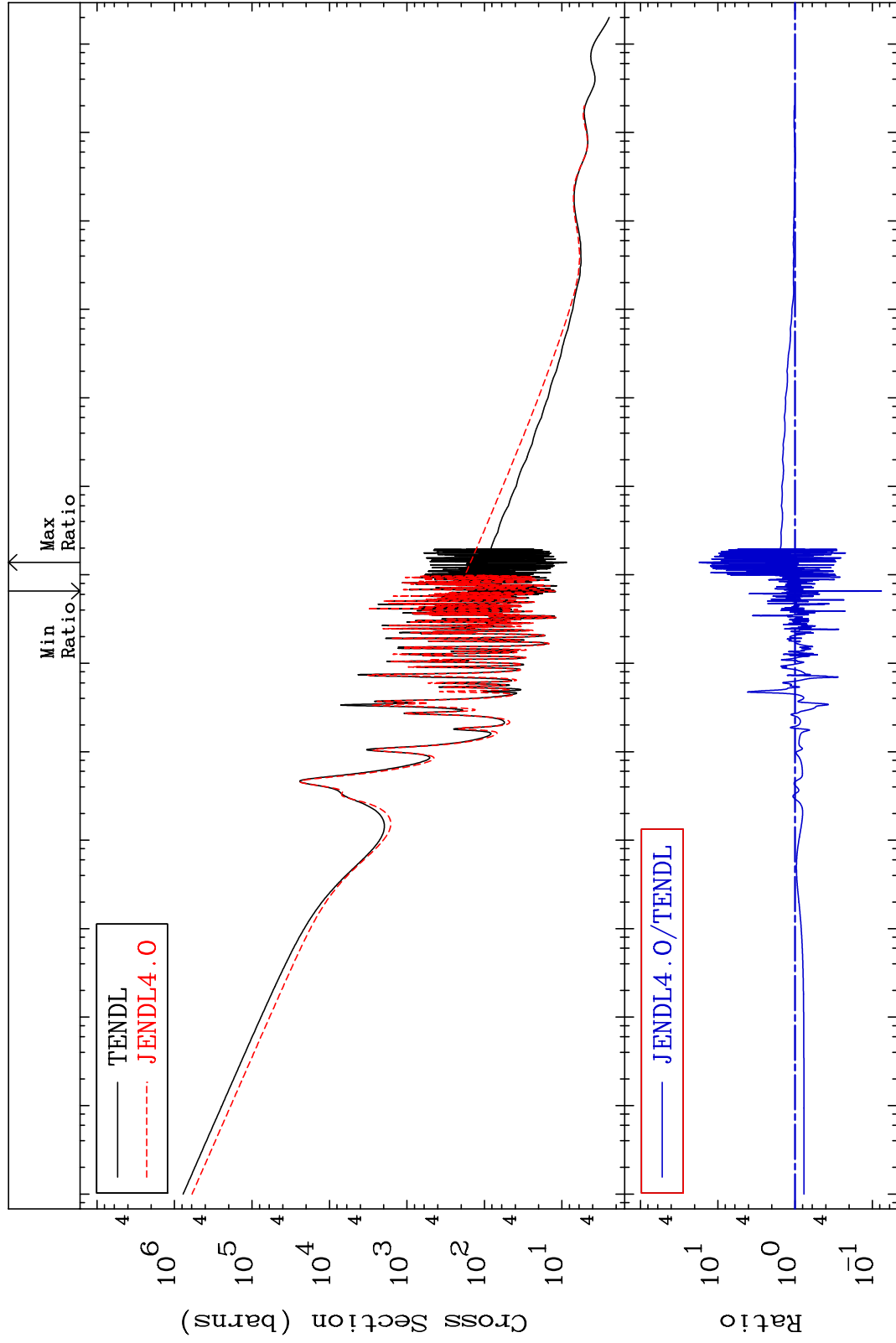
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6325

Total
Cross Section

63-Eu-151
-92.40 To 1665. %



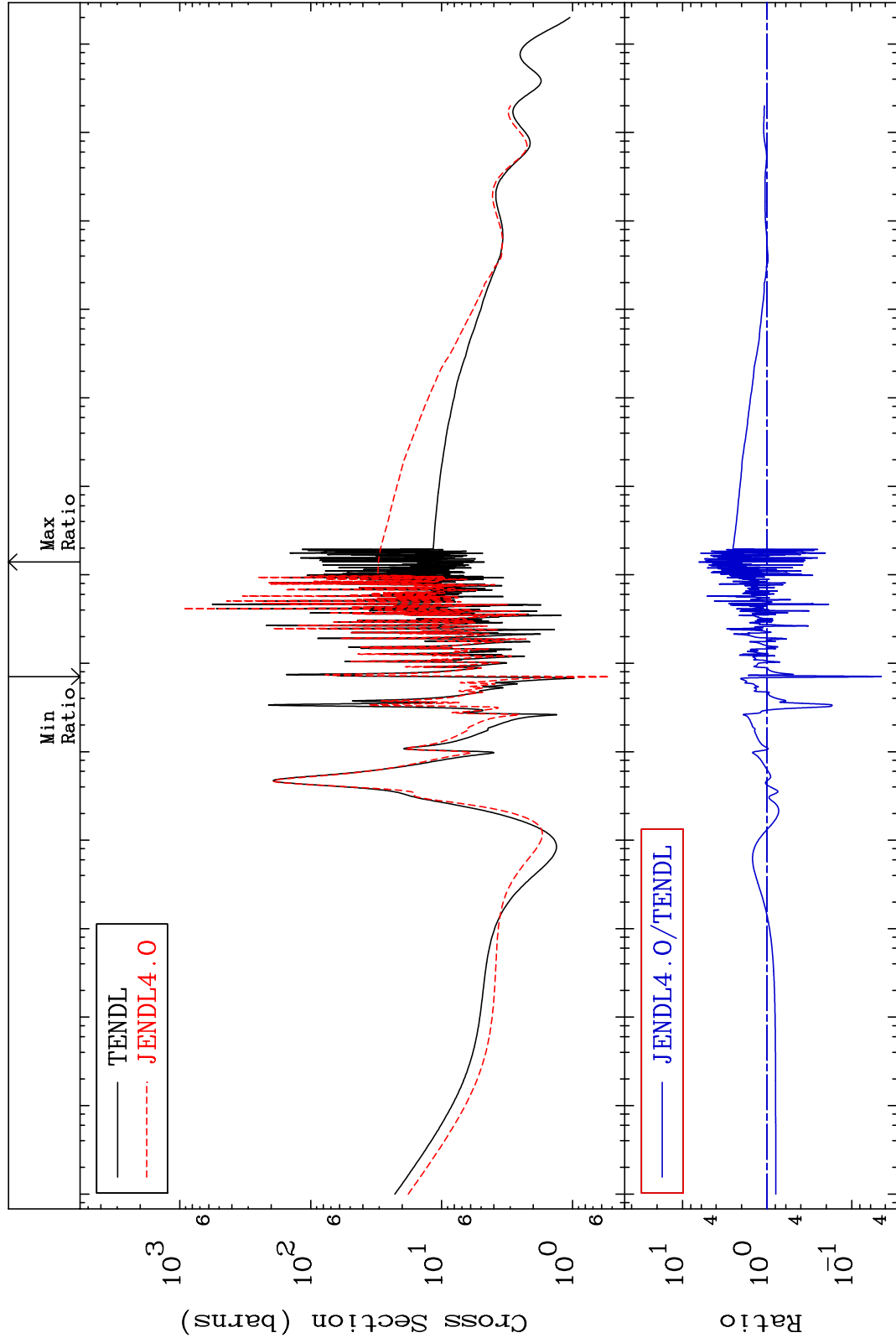
Incident Energy (eV)

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

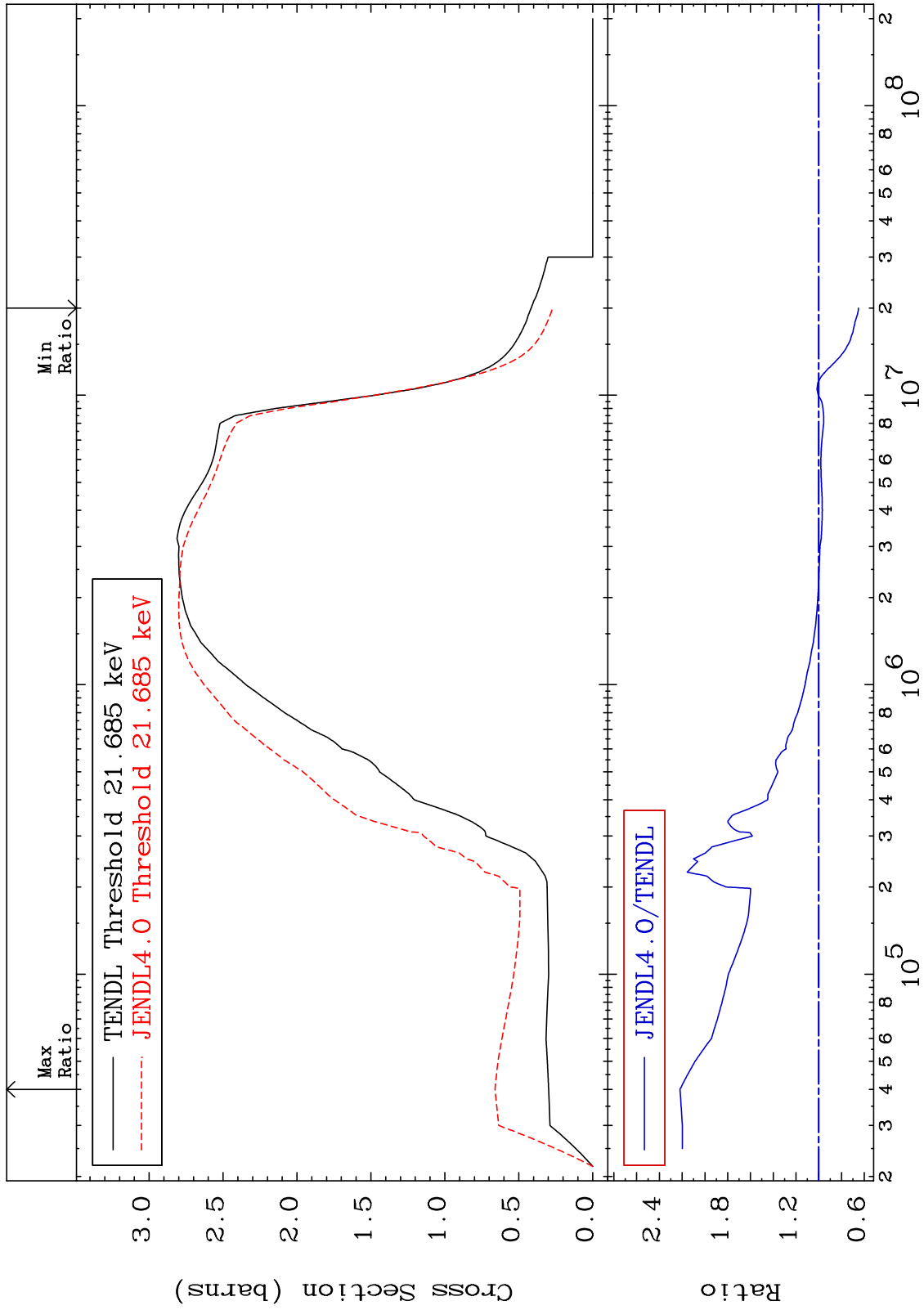
63-Eu-151

MAT 6325

Elastic Cross Section
63-Eu-151
-95.56 To 543.5 %



MAT 6325 Inelastic Cross Section 63-Eu-151 -34.82 To 121.9 %



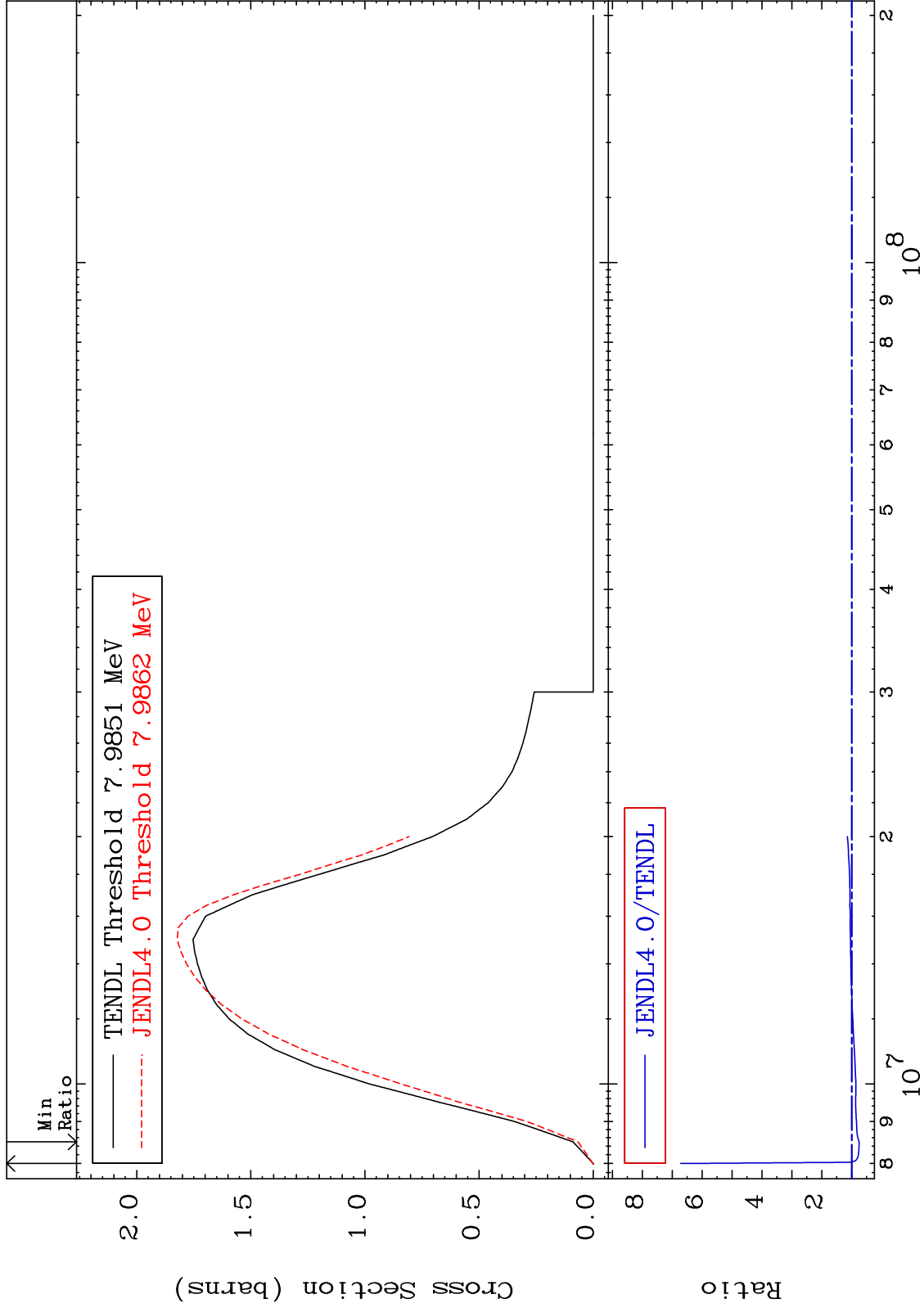
MAT 6325

(n,2n)

63-Eu-151

Cross Section

-25.05 To 571.8 %



63-Eu-151

Incident Energy (eV)

4

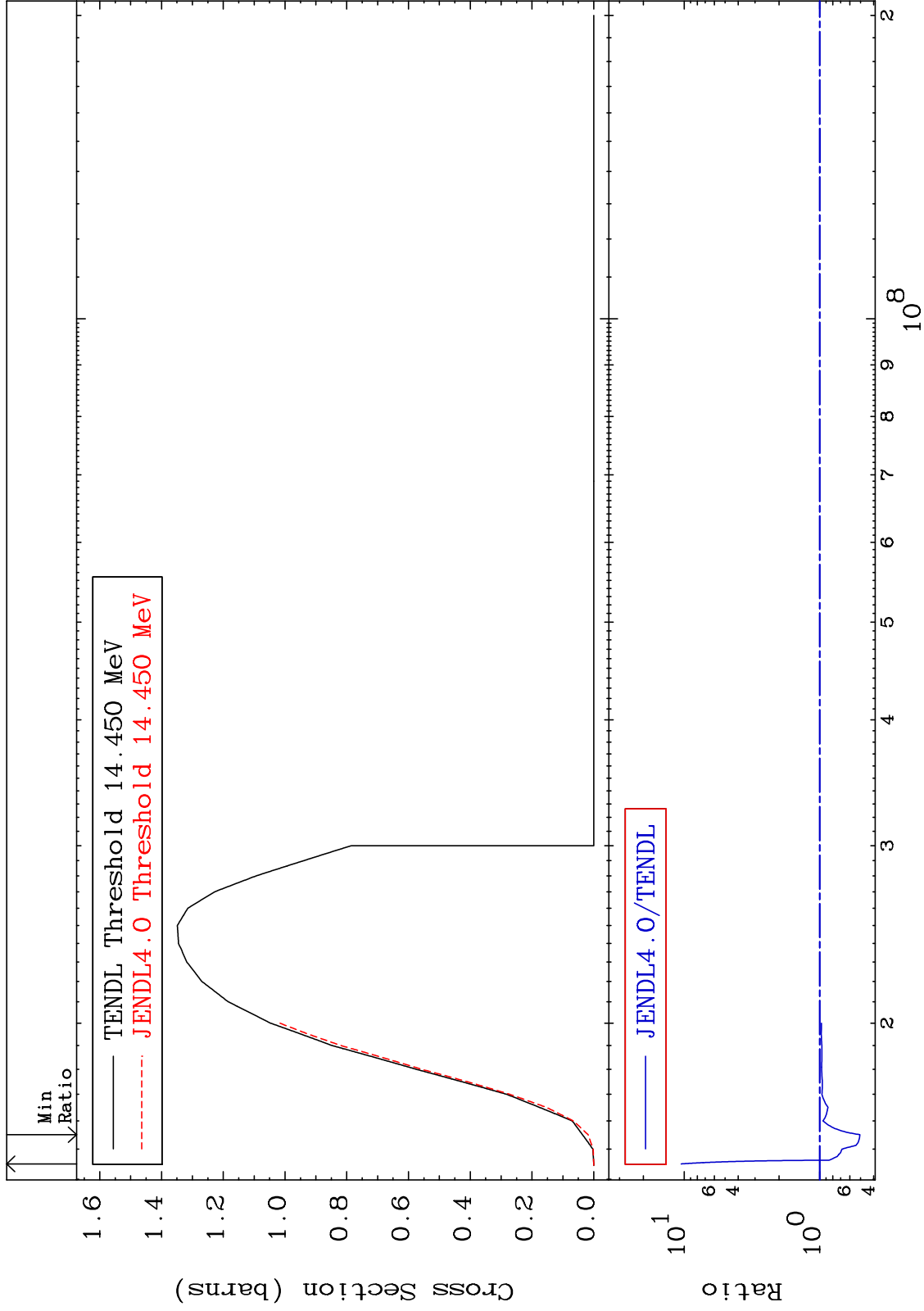
MAT 6325

(n,3n)

63-Eu-151

Cross Section

-49.46 To 952.8 %



MAT 6325

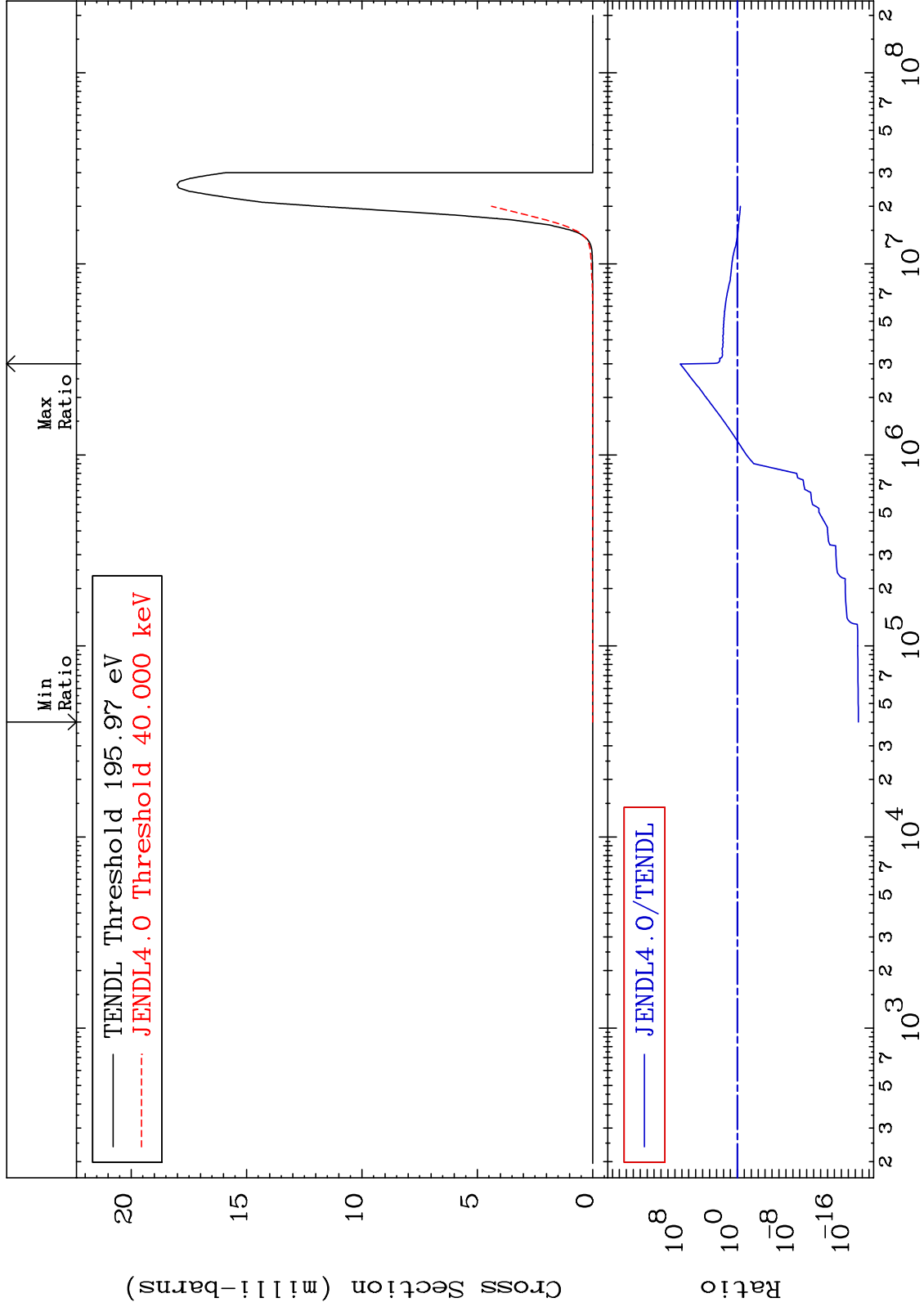
(n, n') α

63-Eu-151

Cross Section

Cross Section

-100.0 To 9999. %



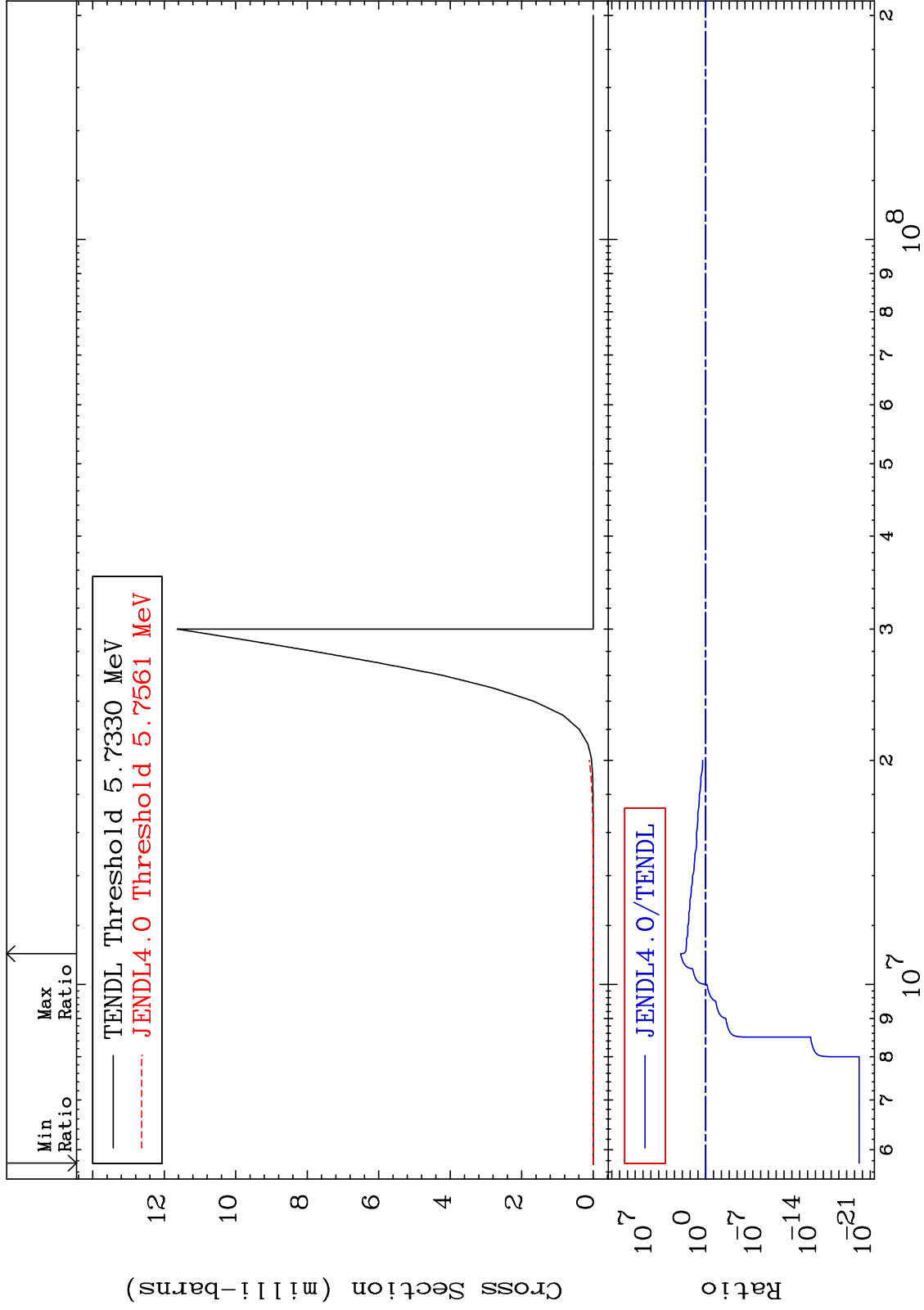
MAT 6325

(n,2n) α

63-Eu-151

-100.0 To 9999. %

Cross Section



7

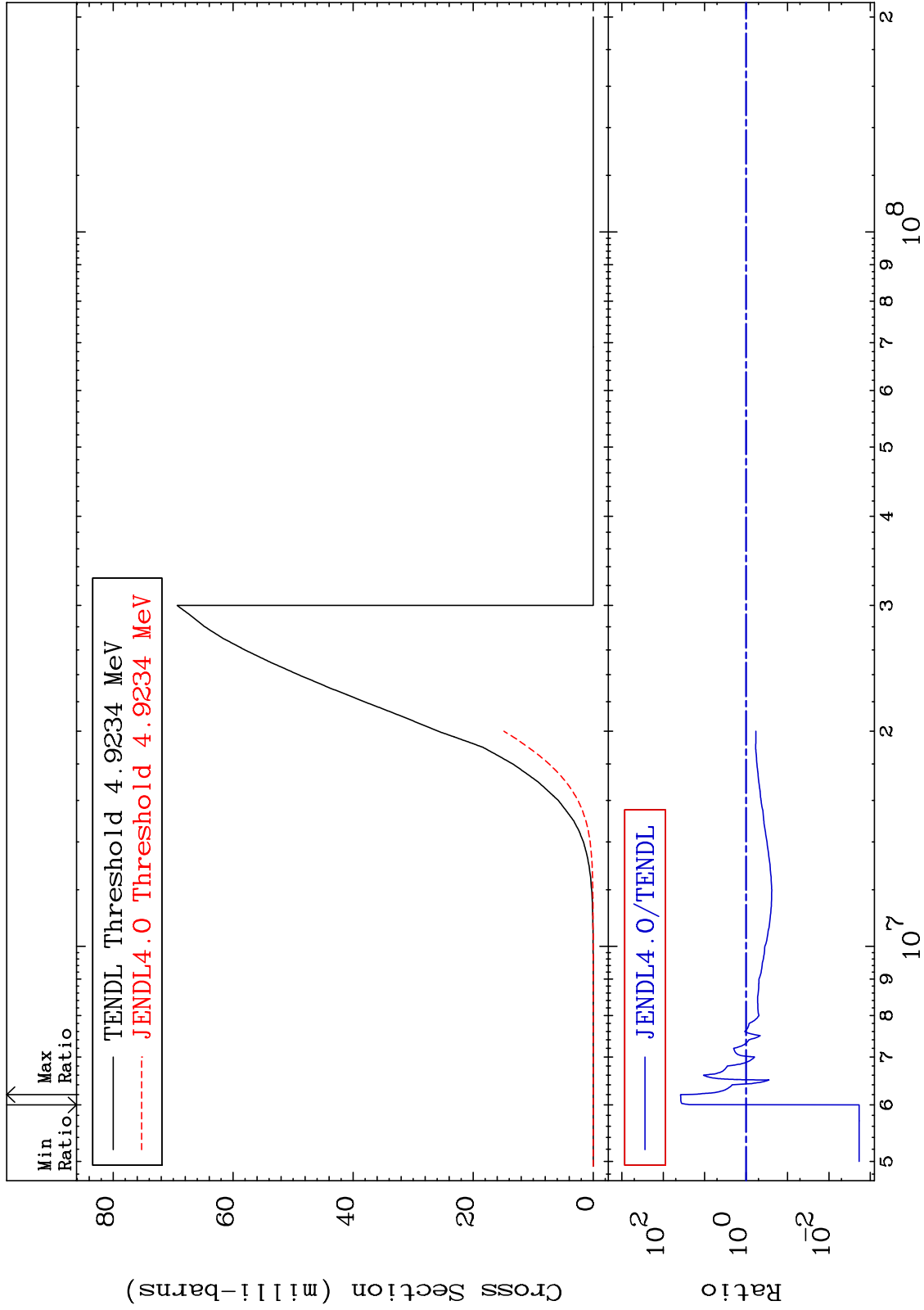
Incident Energy (eV)

63-Eu-151

MAT 6325

(n,n') p
Cross Section

63-Eu-151
-99.81 To 3698. %



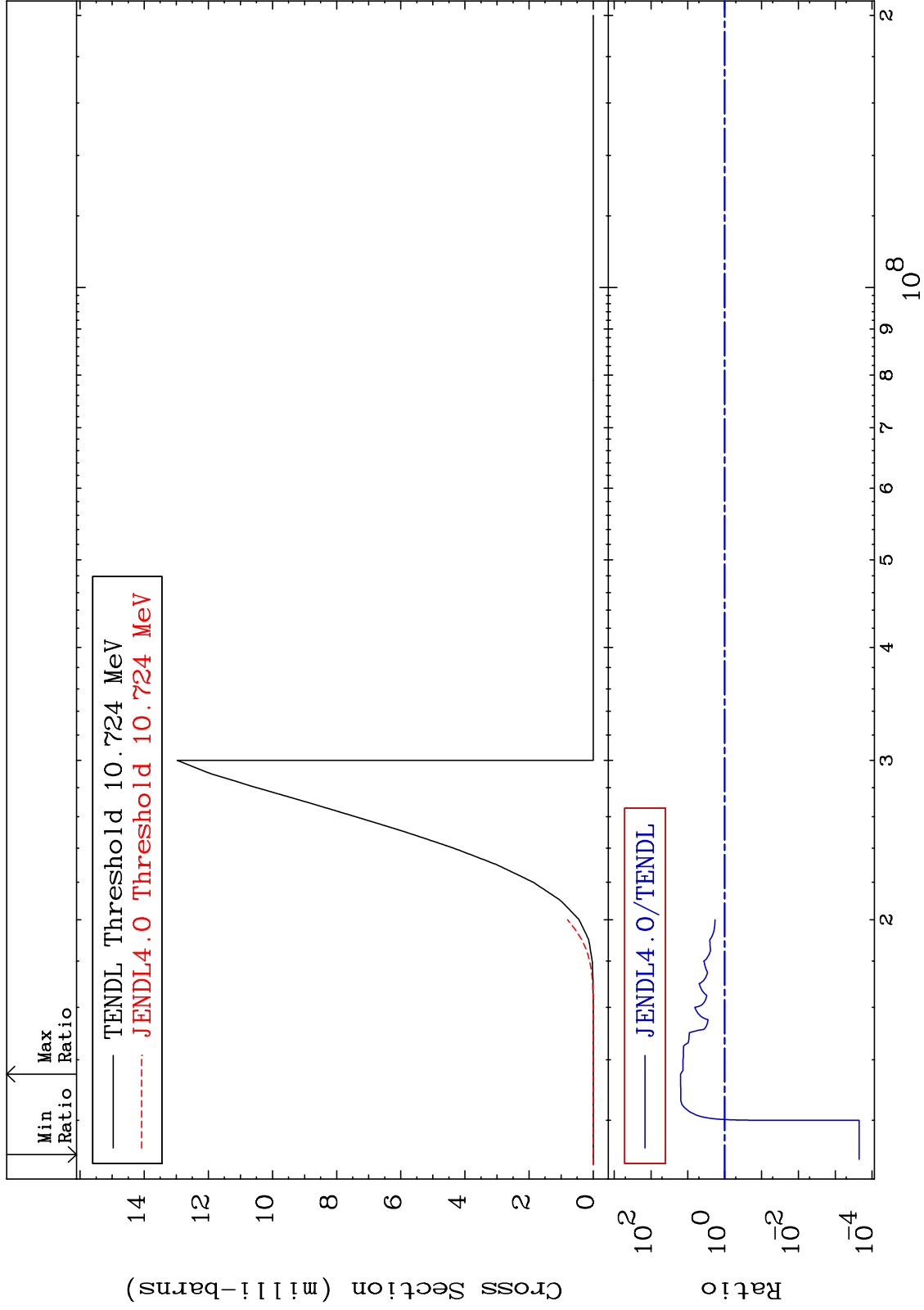
MAT 6325

(n,n') d

63-Eu-151

Cross Section

-99.98 To 1469. %



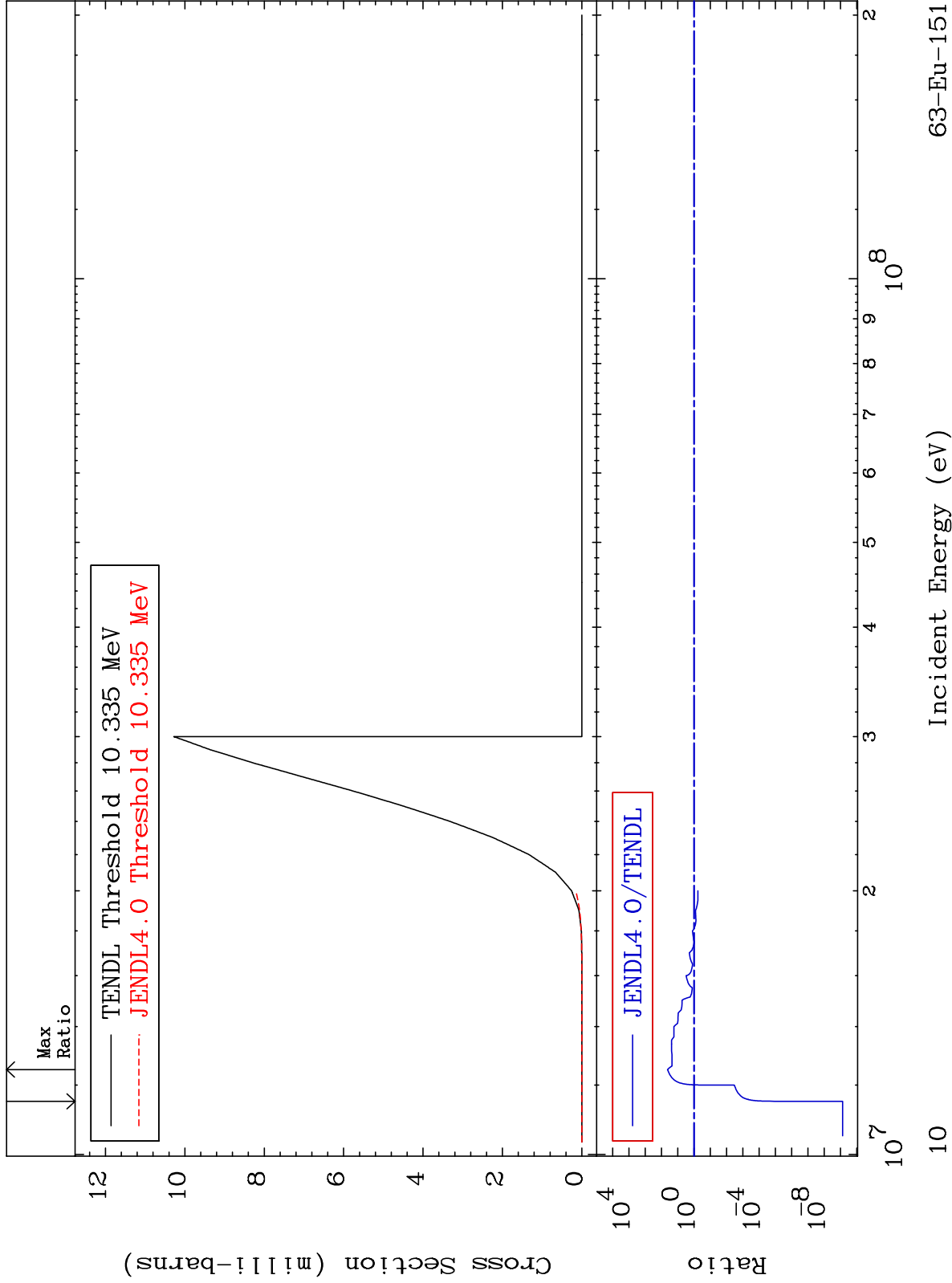
MAT 6325

(n,n') t

63-Eu-151

Cross Section

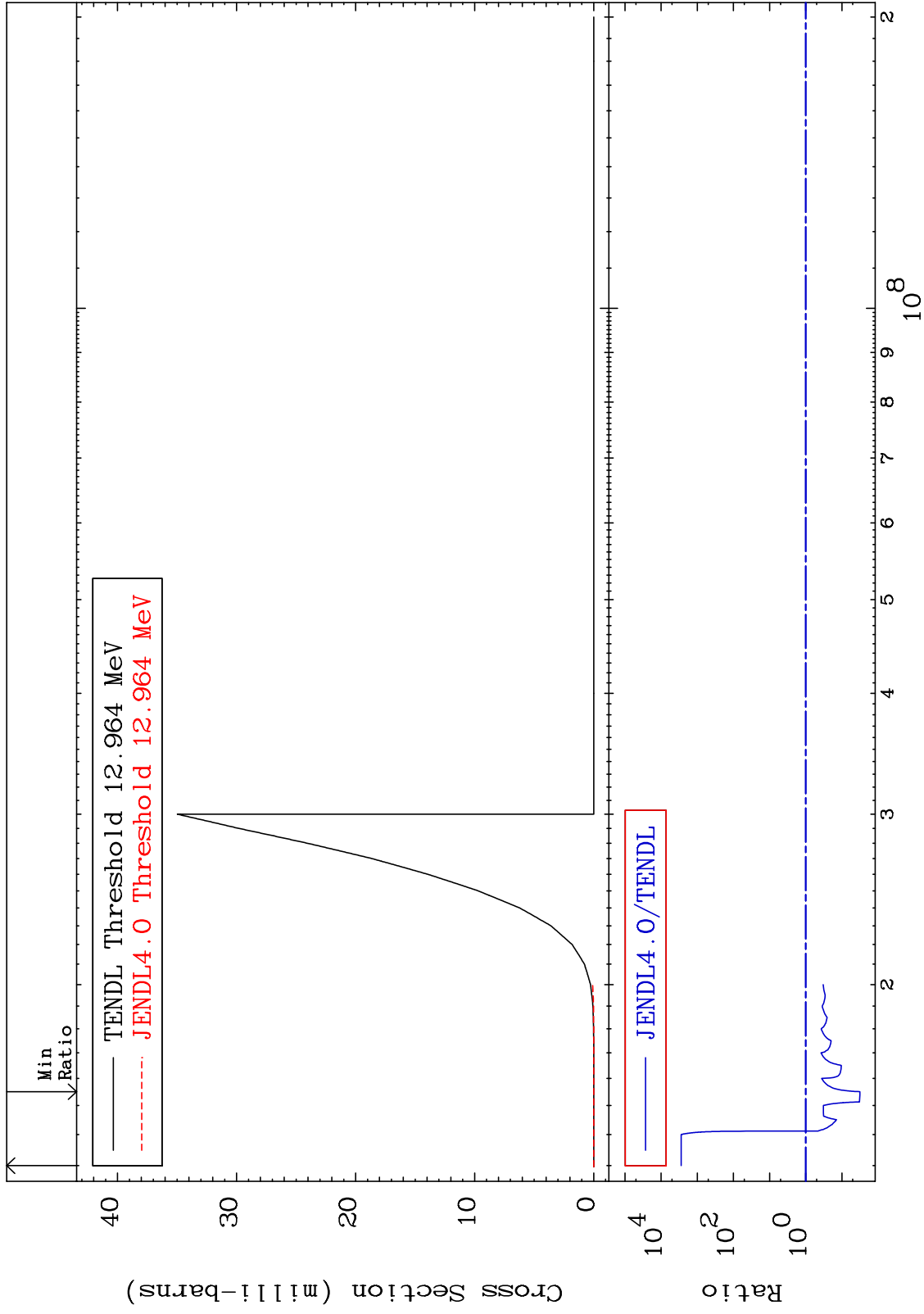
-100.0 To 4127. %



MAT 6325

(n,2n) p
Cross Section

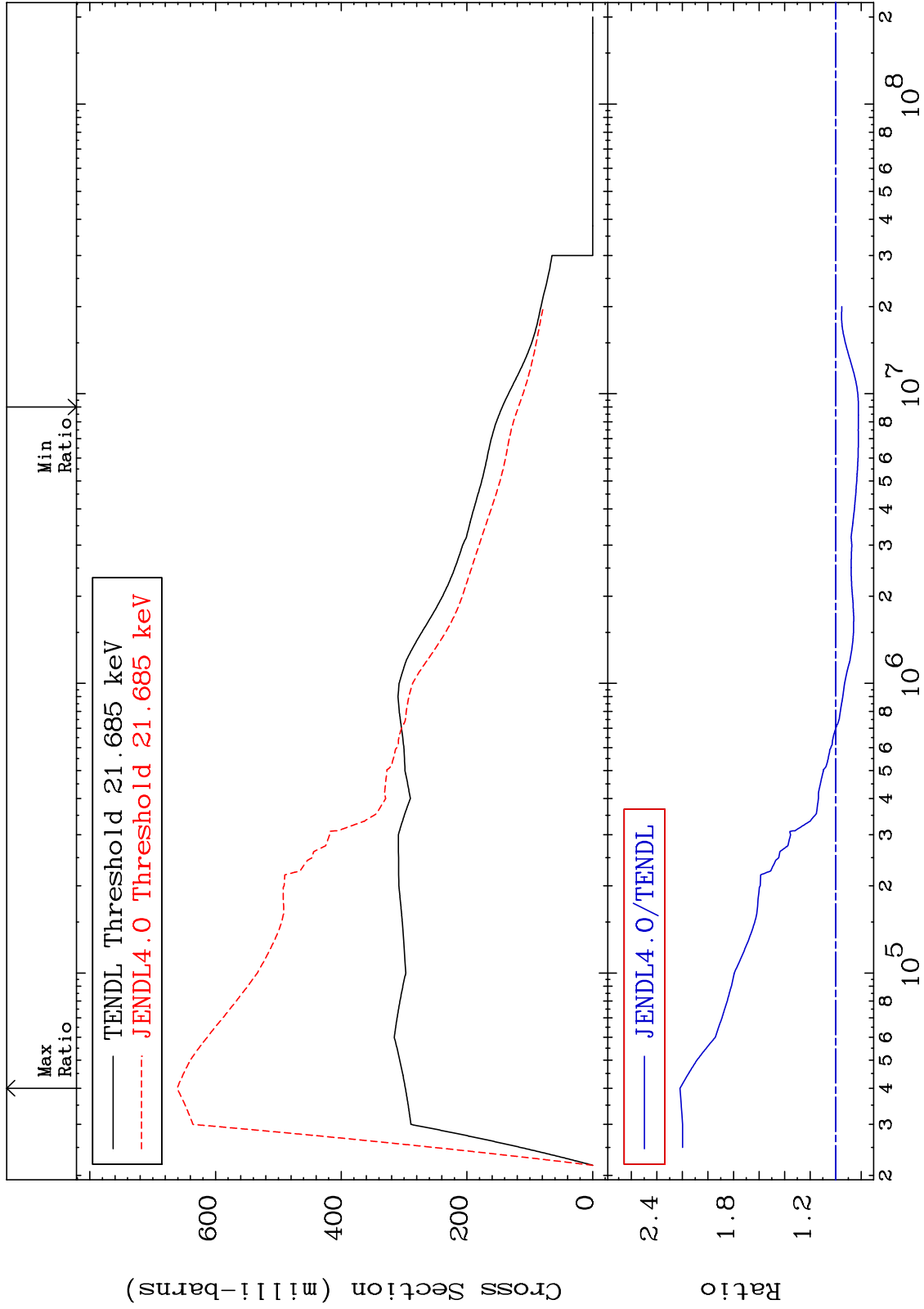
63-Eu-151
-96.83 To 9999. %



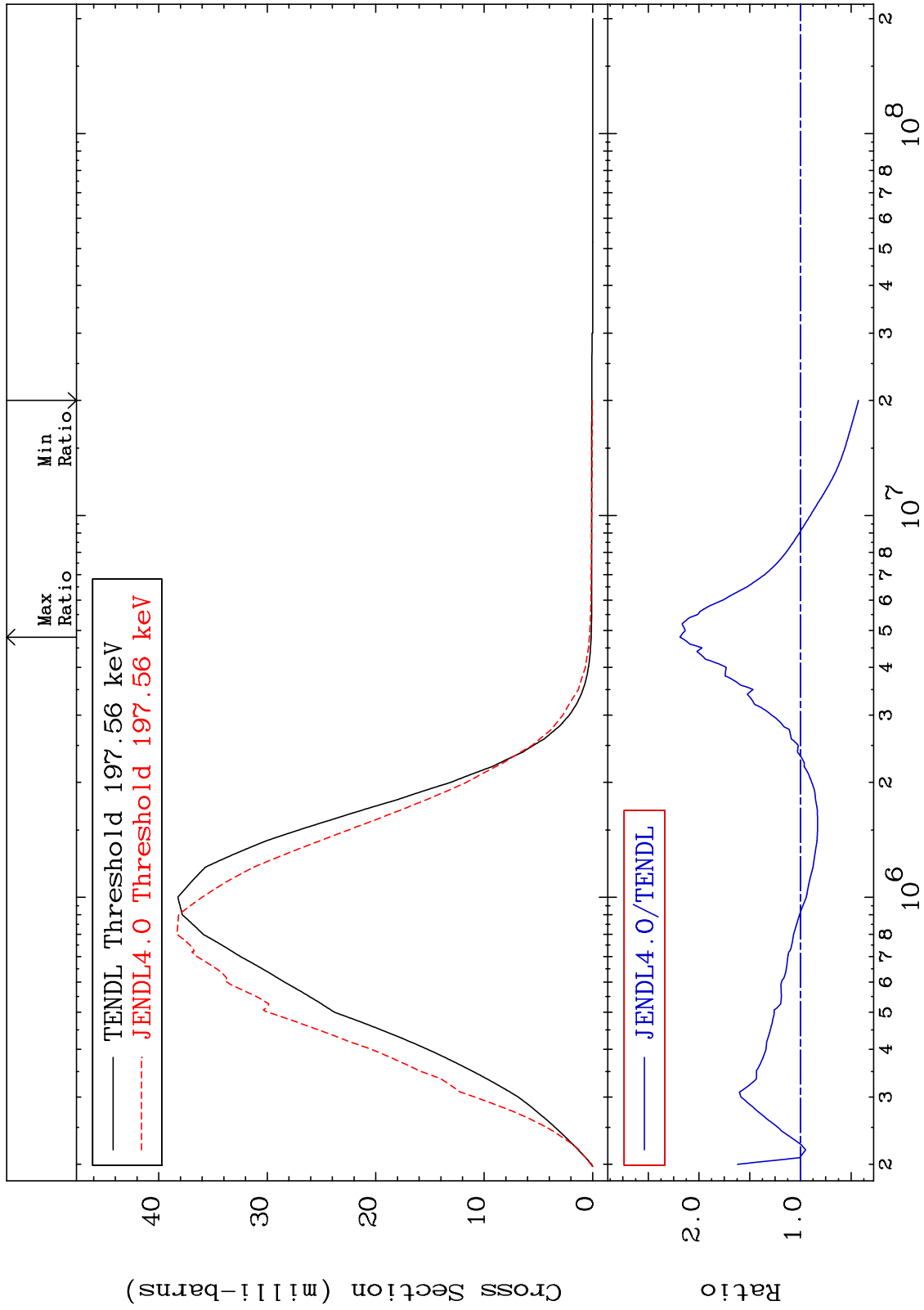
MAT 6325

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

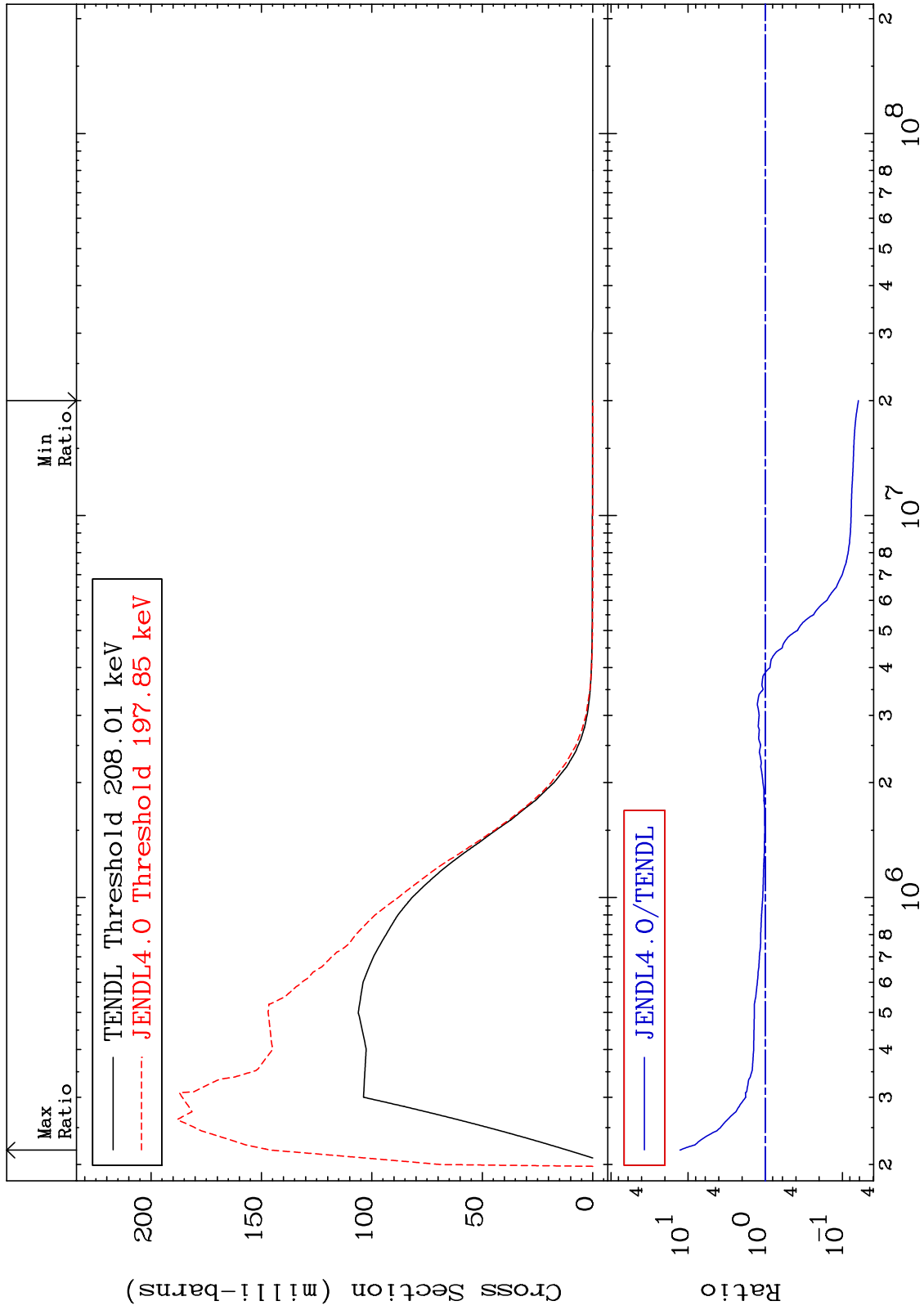
63-Eu-151
-17.81 To 121.9 %



MAT 6325 MT= 52 (n, n') Level Cross Section 63-Eu-151 -57.22 To 118.7 %



MAT 6325 MT= 53 (n,n') Level
 Cross Section 63-Eu-151
 -93.80 To 1173. %



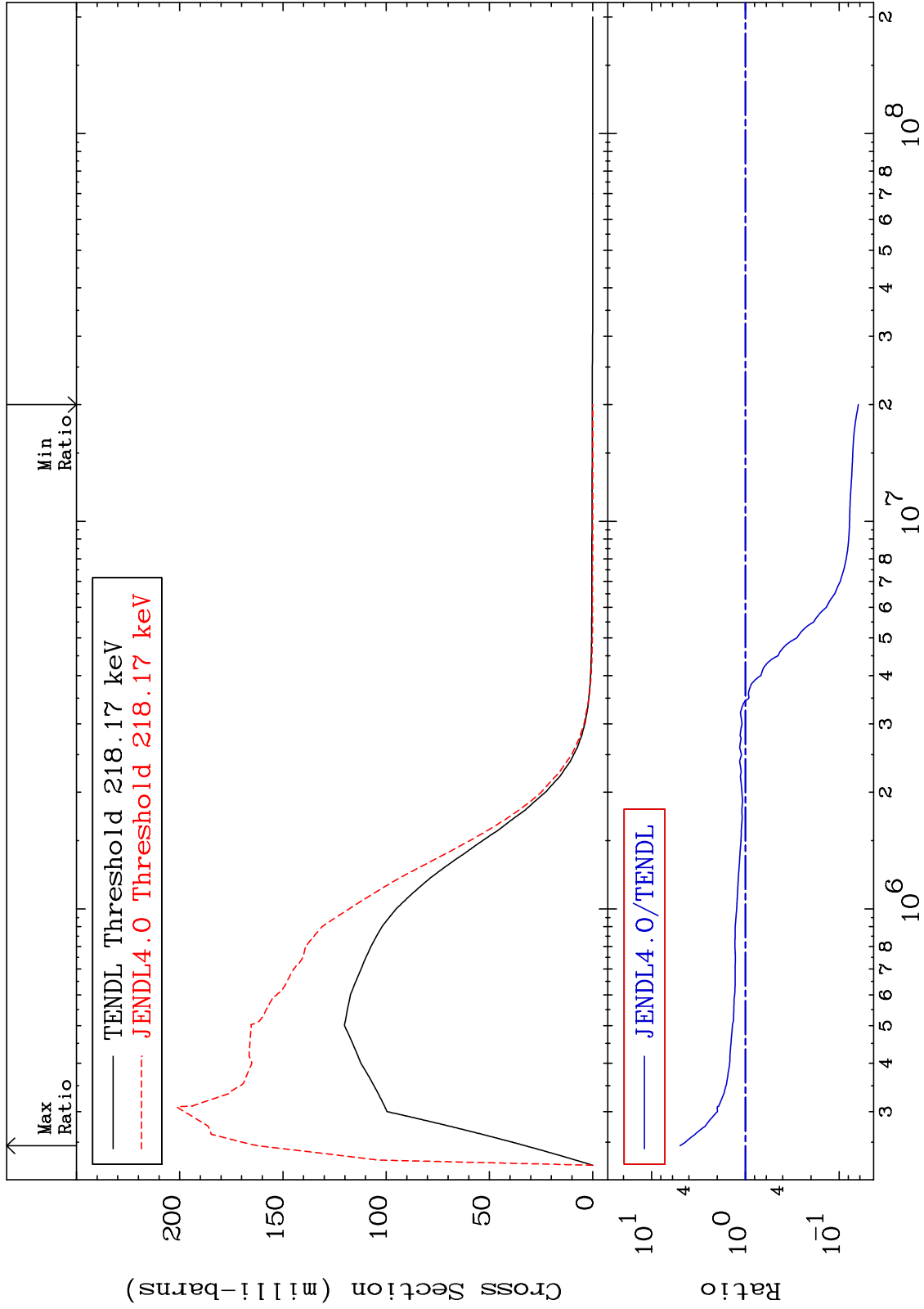
63-Eu-151

Incident Energy (eV)

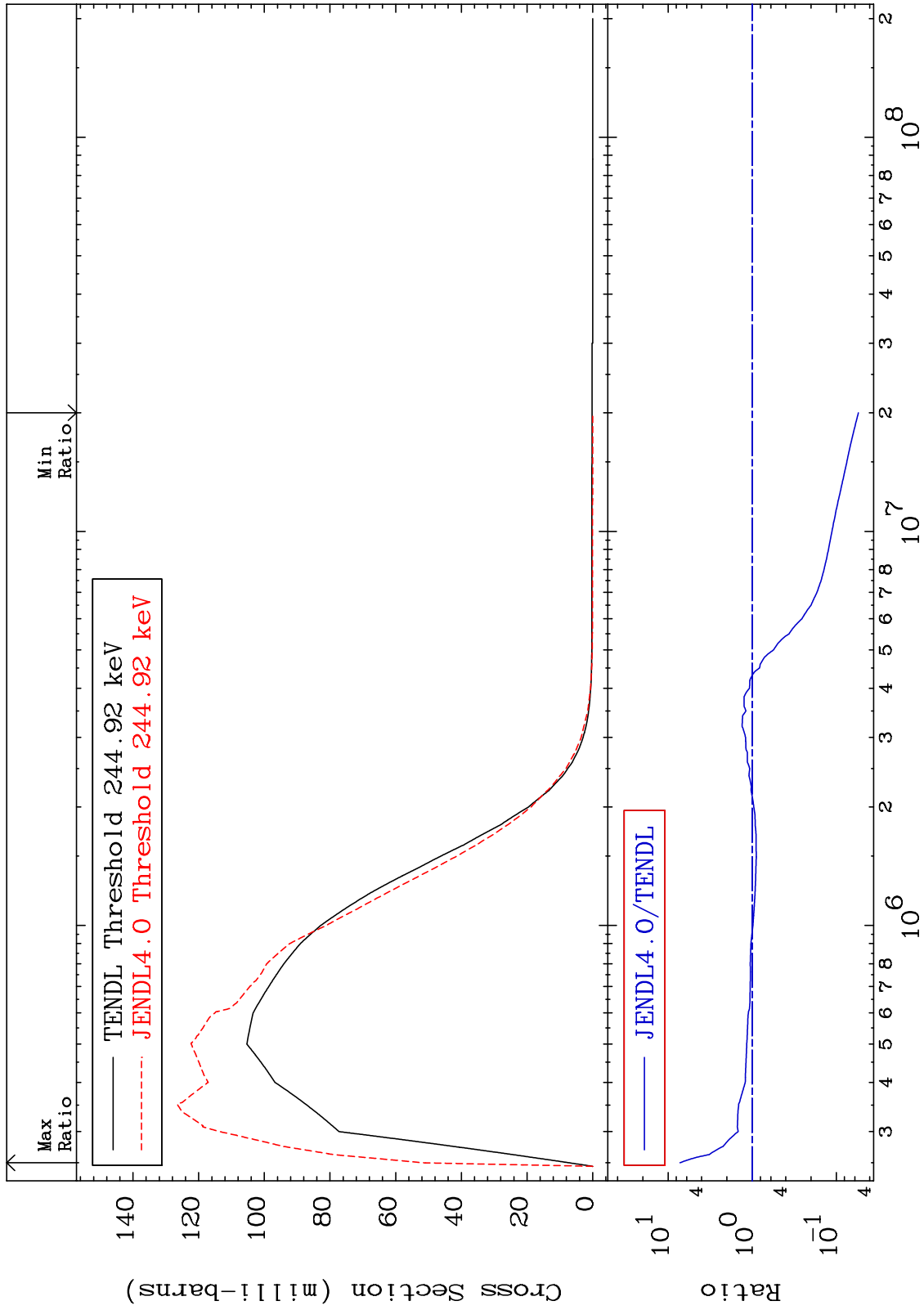
MAT 6325

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

63-Eu-151
-93.77 To 398.7 %



MAT 6325 MT= 55 (n,n') Level Cross Section 63-Eu-151 -94.54 To 622.8 %

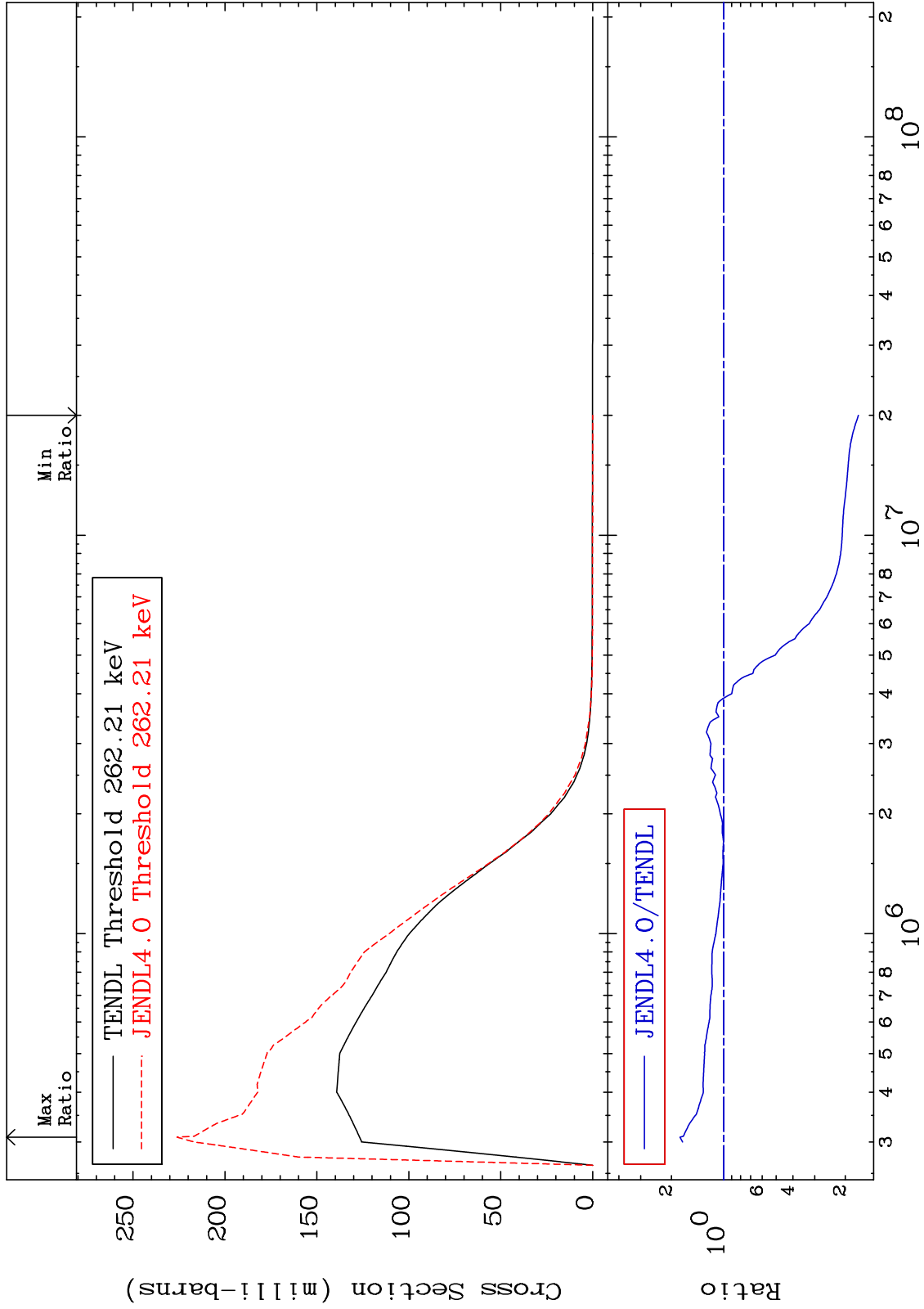


16 63-Eu-151

MAT 6325

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

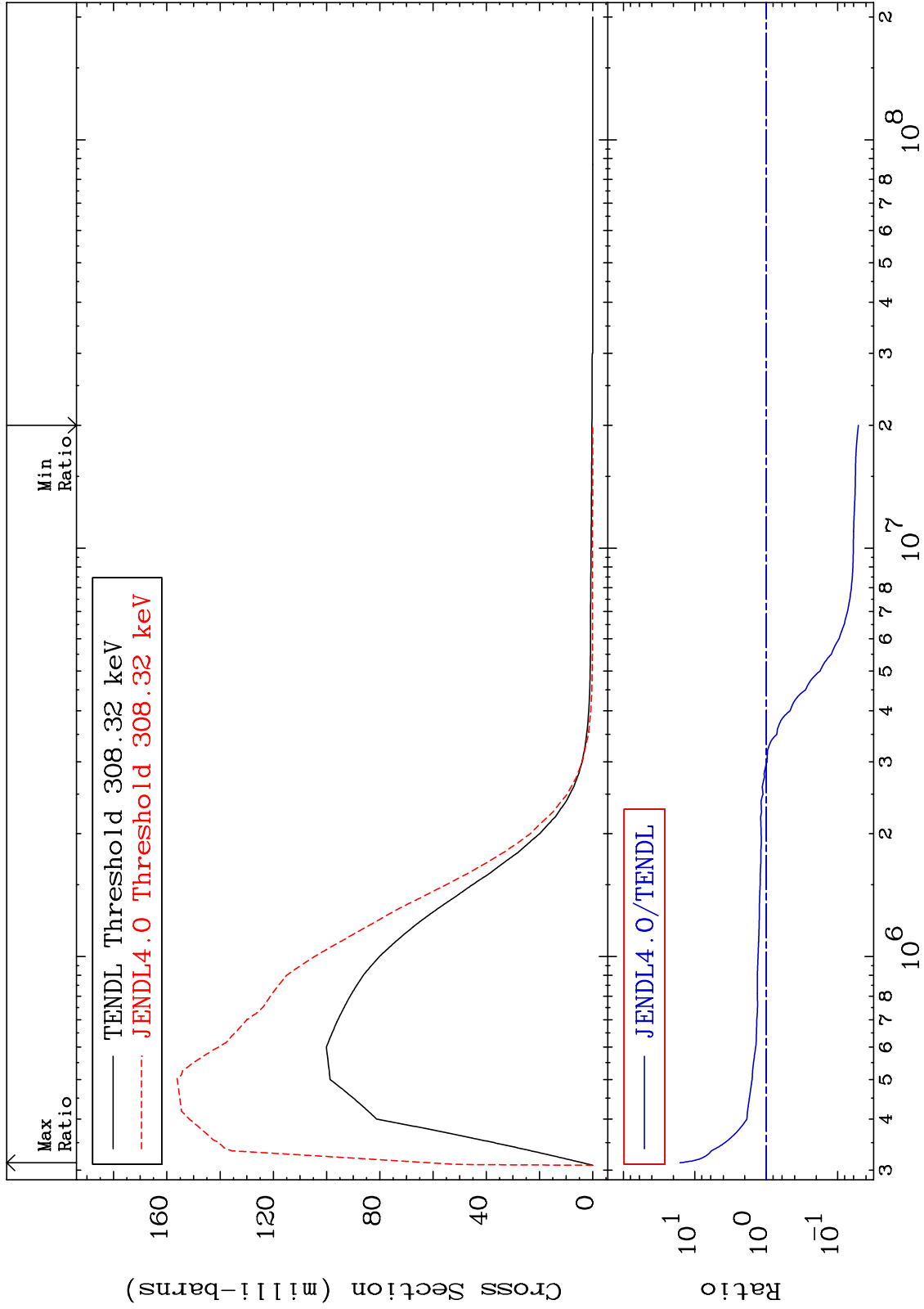
63-Eu-151
-83.19 To 78.29 %



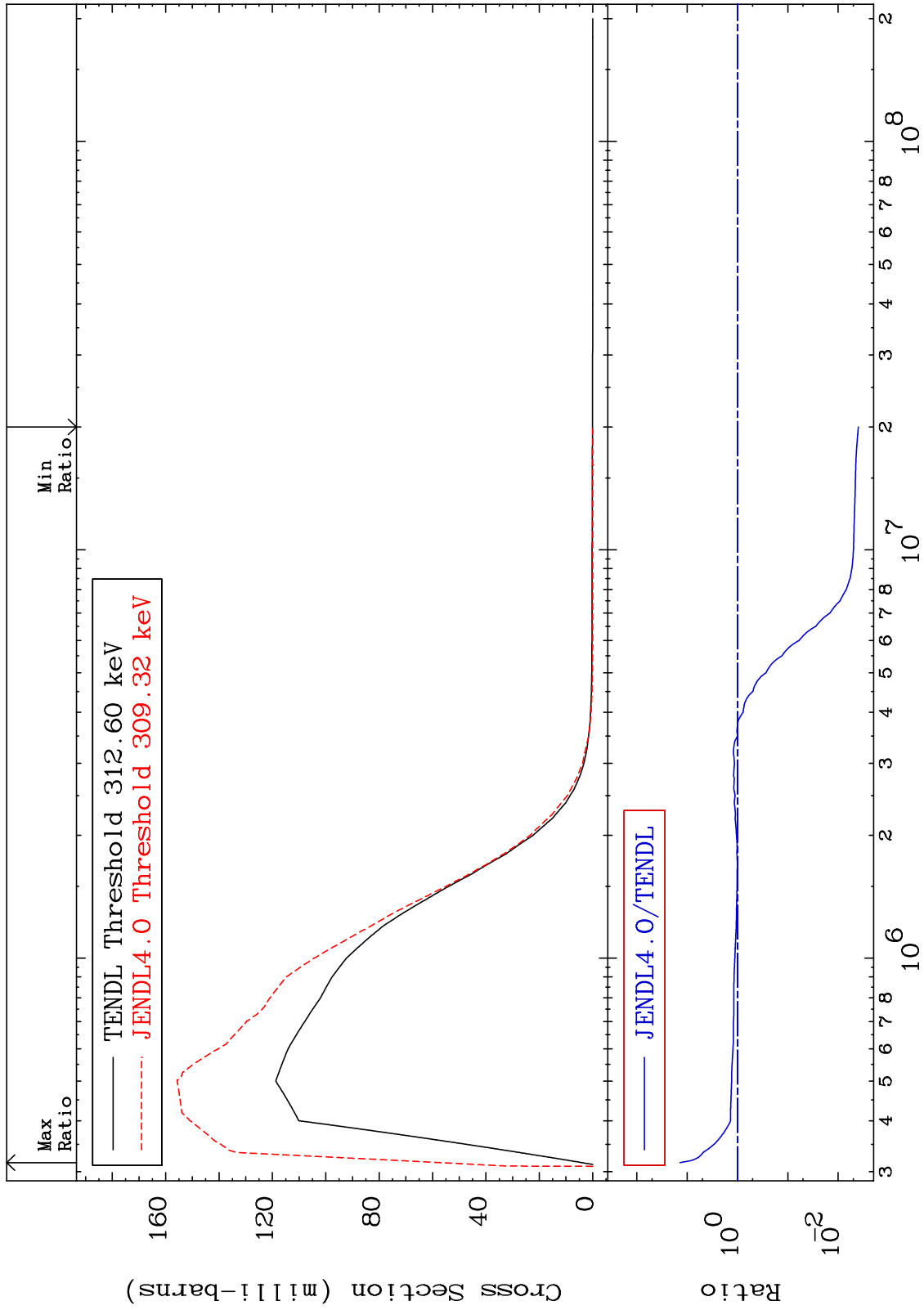
MAT 6325

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

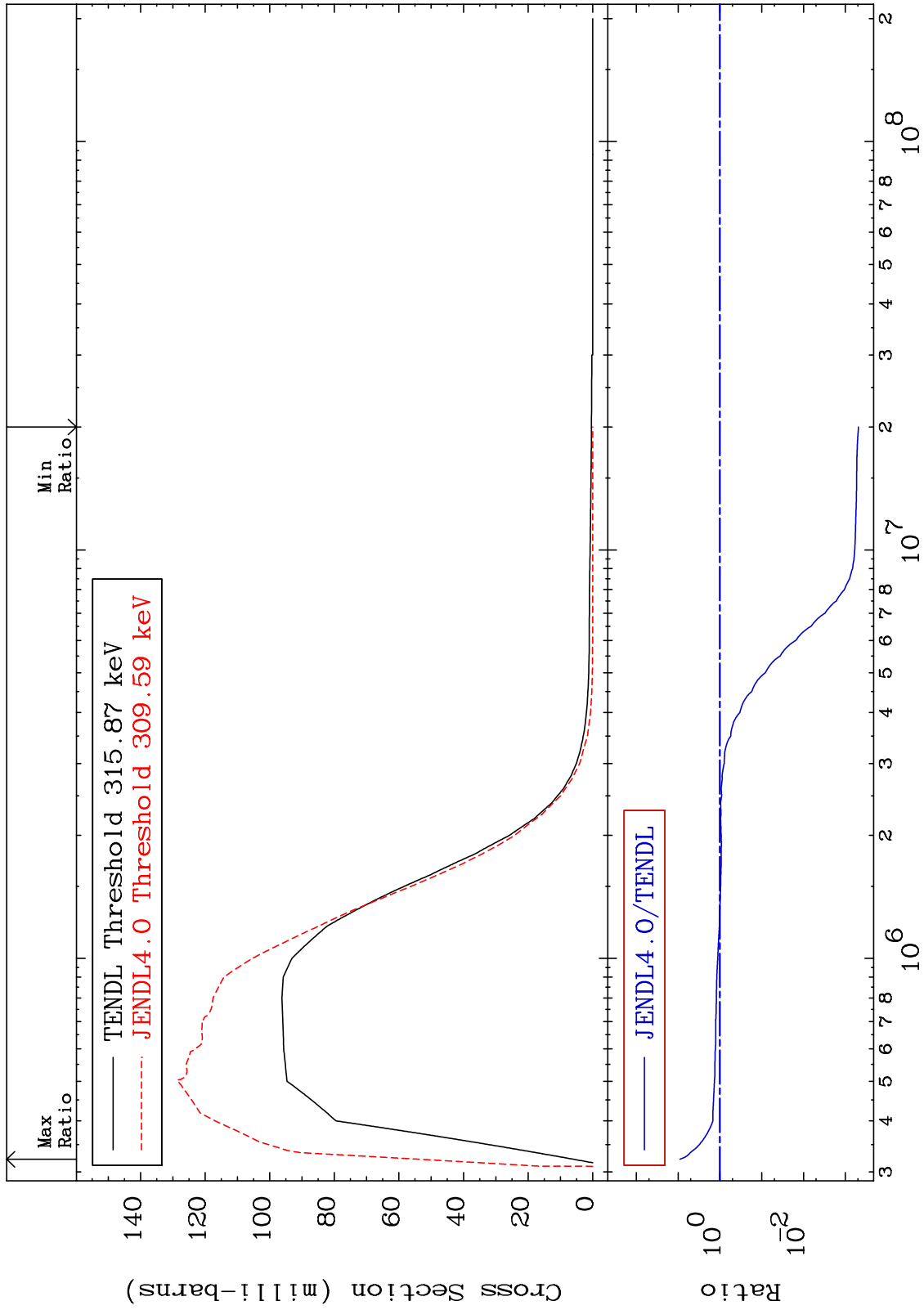
63-Eu-151
-94.88 To 1515. %



MAT 6325 MT= 58 (n,n') Level Cross Section 63-Eu-151 -99.60 To 1289. %



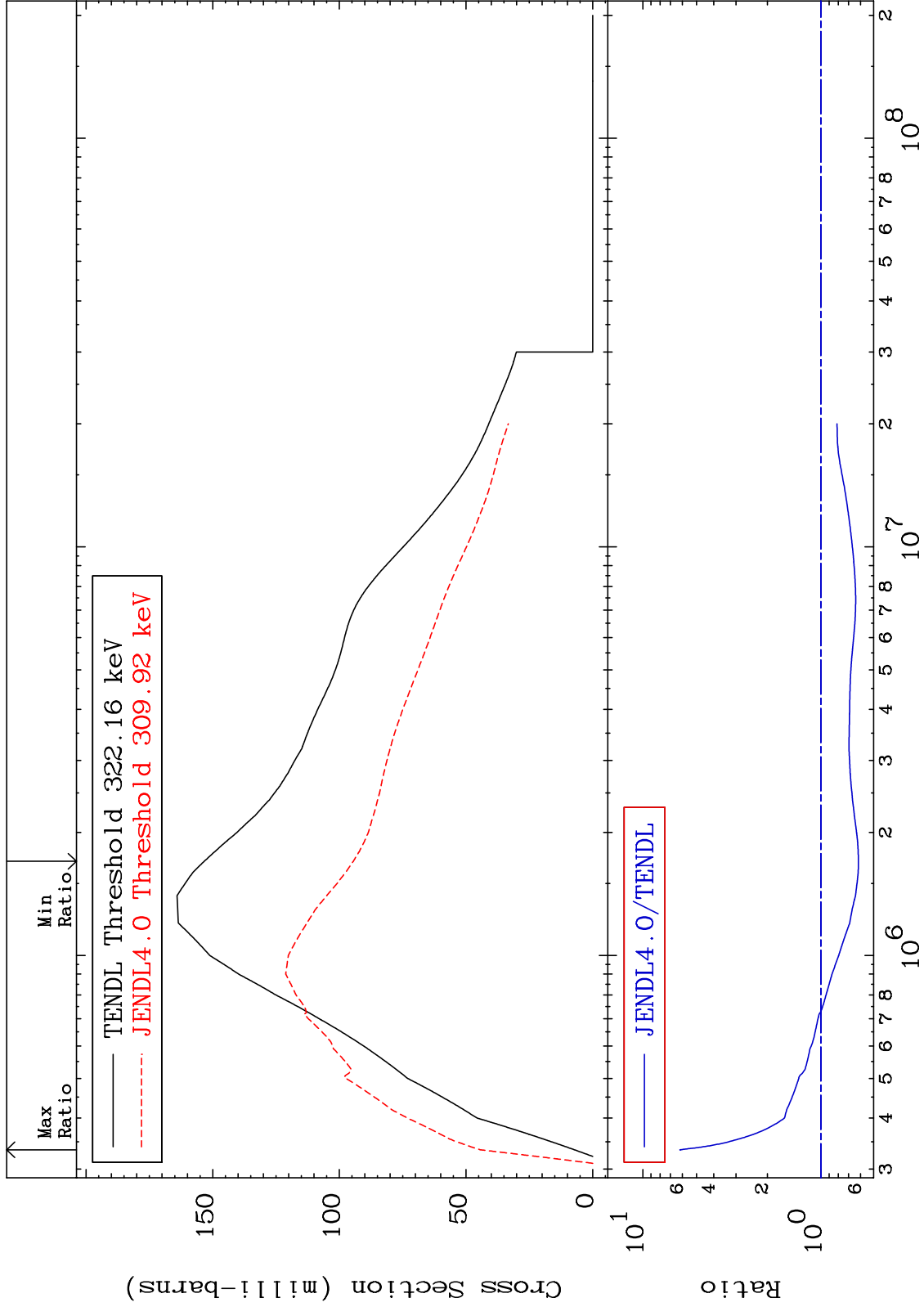
MAT 6325 MT= 59 (n,n') Level Cross Section 63-Eu-151 -99.95 To 803.0 %



MAT 6325

MT= 60 (n,n') Level
Cross Section

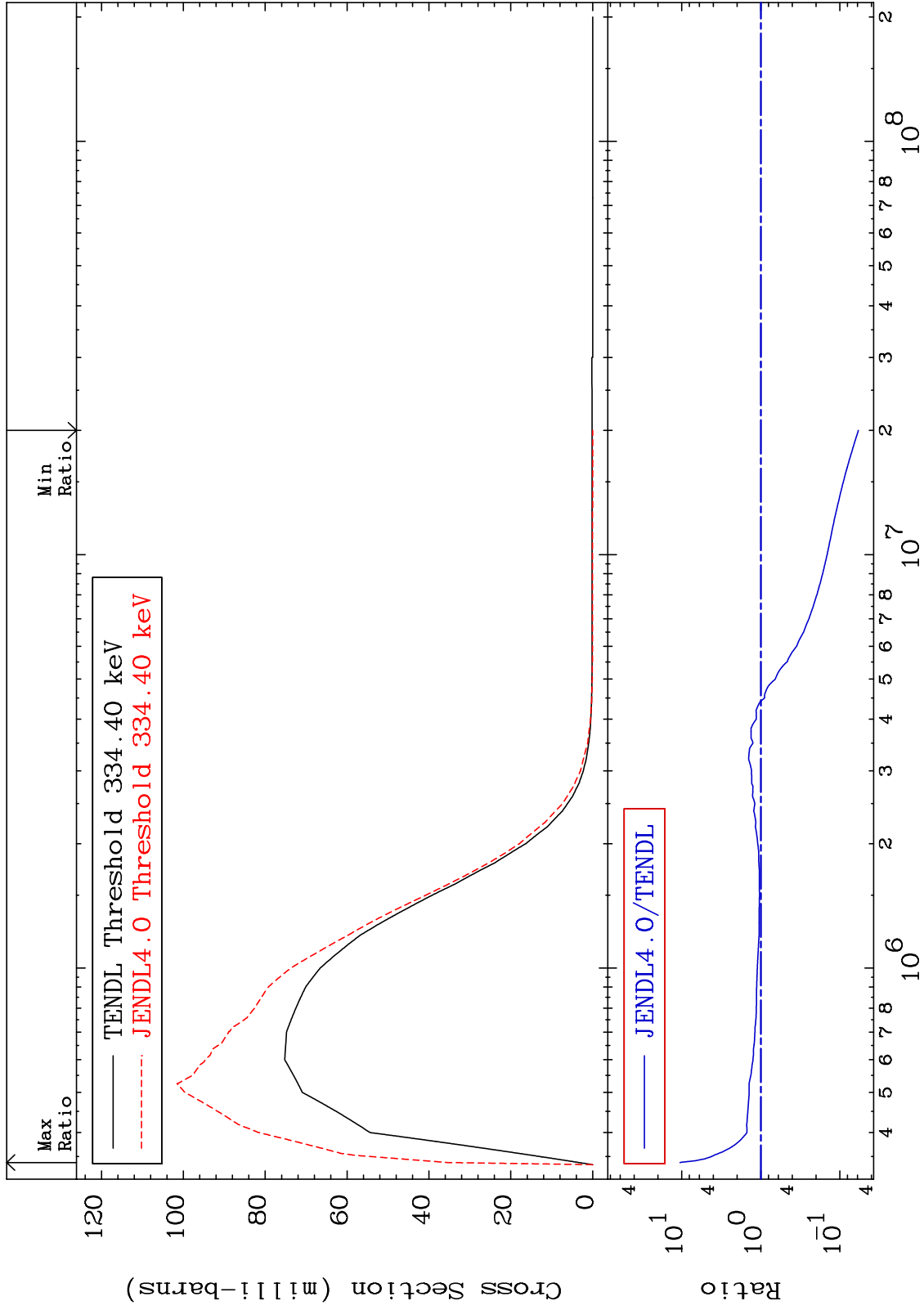
63-Eu-151
-38.39 To 518.4 %



MAT 6325

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

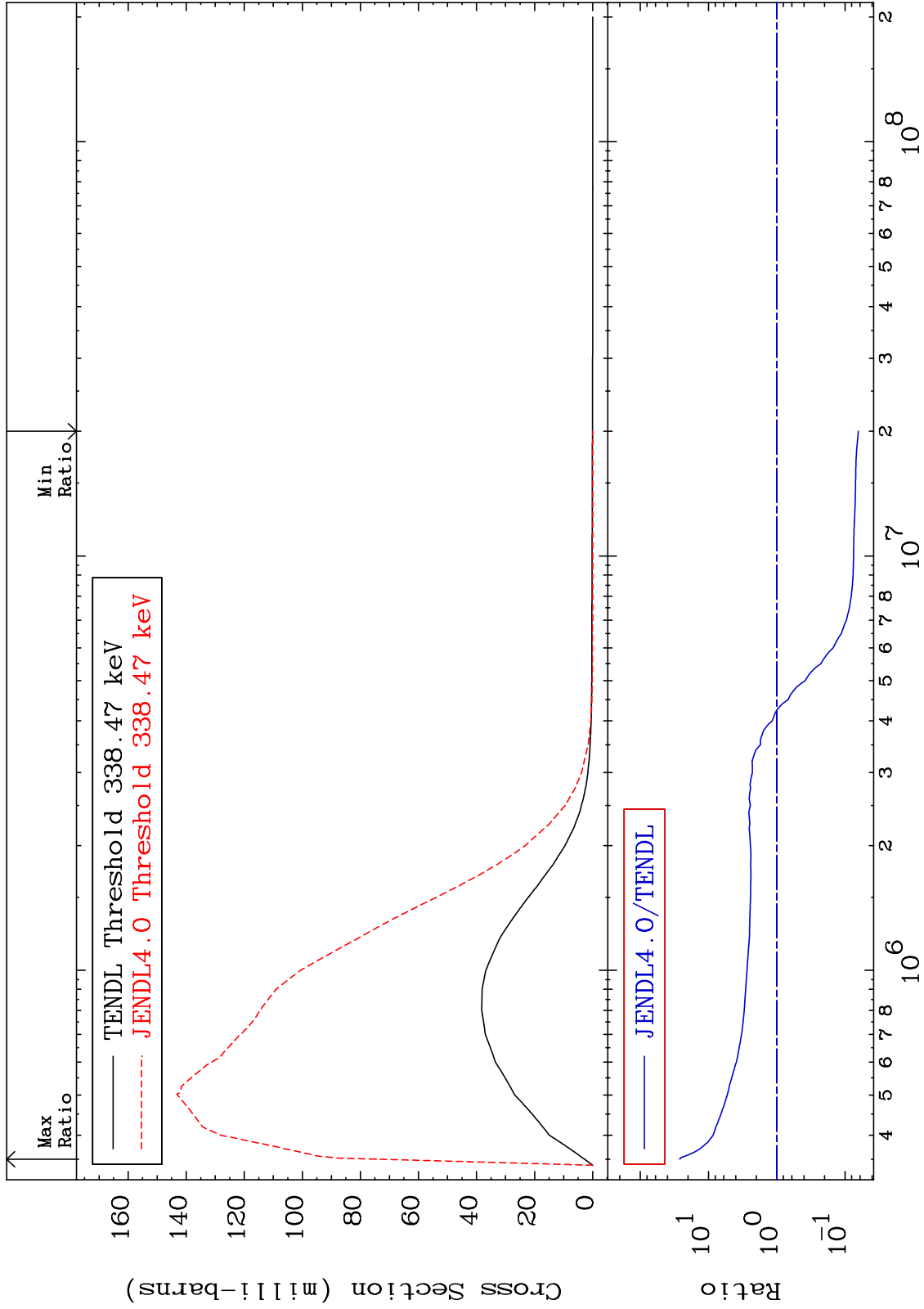
63-Eu-151
-94.17 To 952.2 %



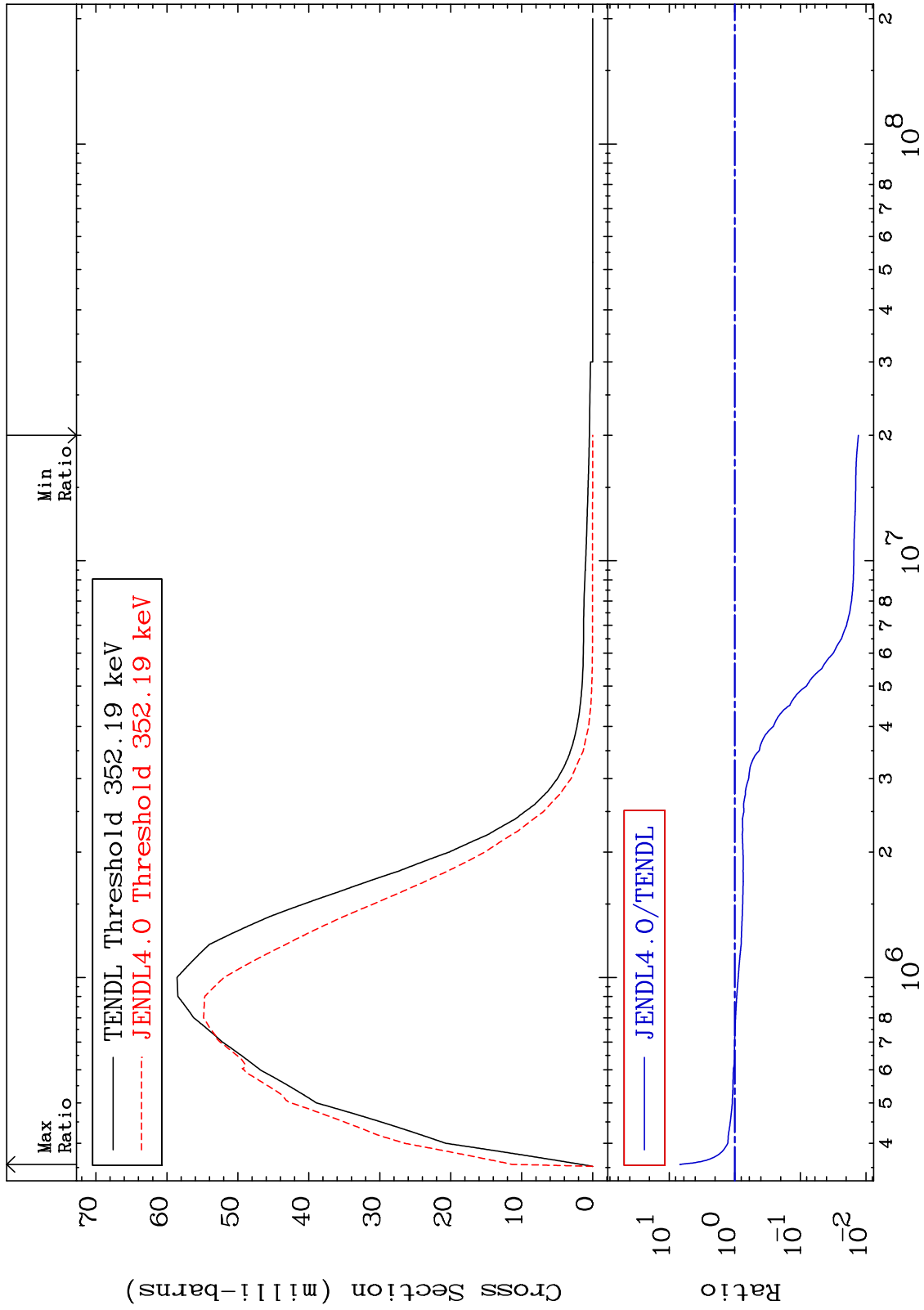
MAT 6325

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

63-Eu-151
-93.63 To 2521. %



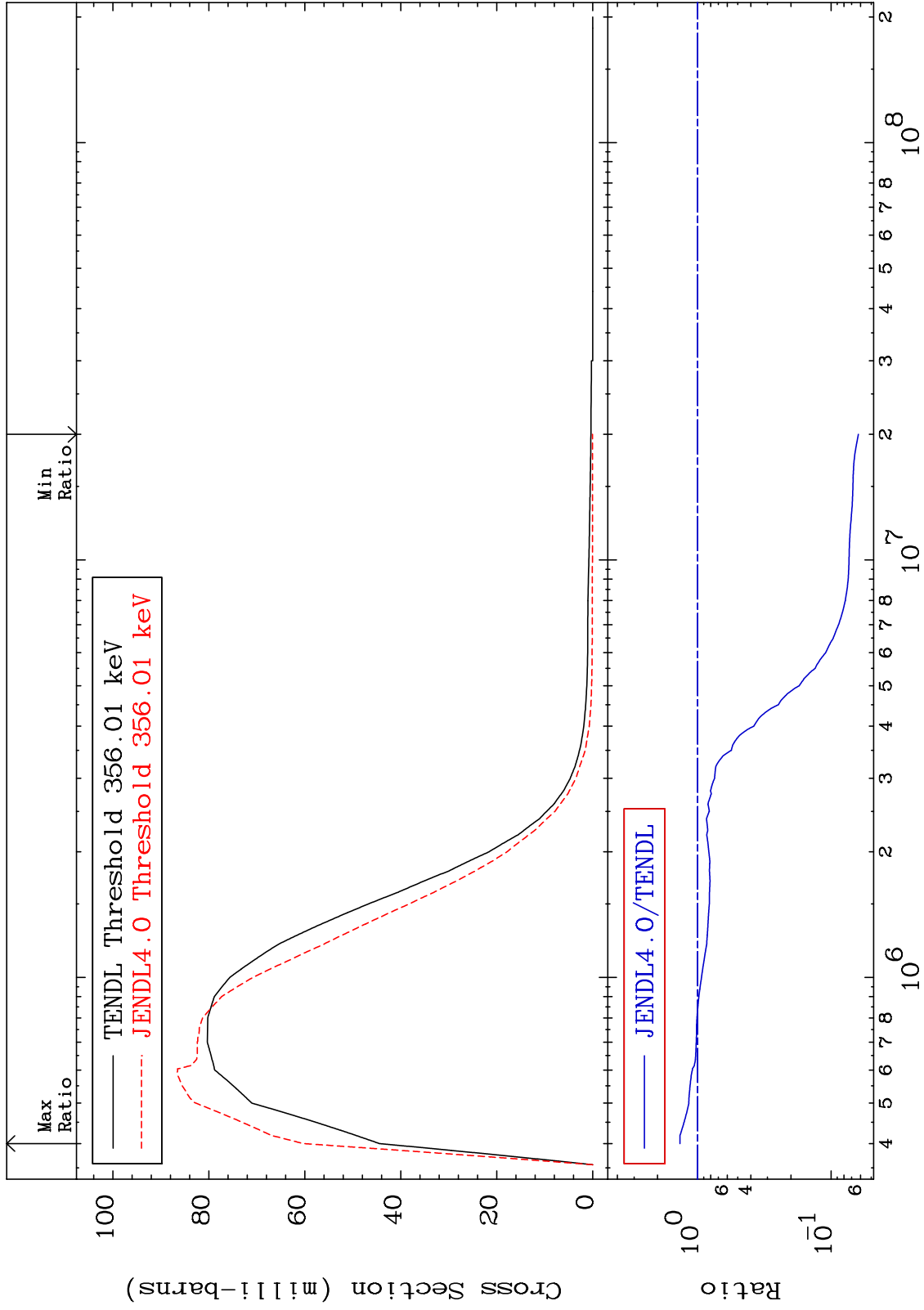
MAT 6325 MT= 63 (n,n') Level Cross Section 63-Eu-151 -98.70 To 584.4 %



MAT 6325

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

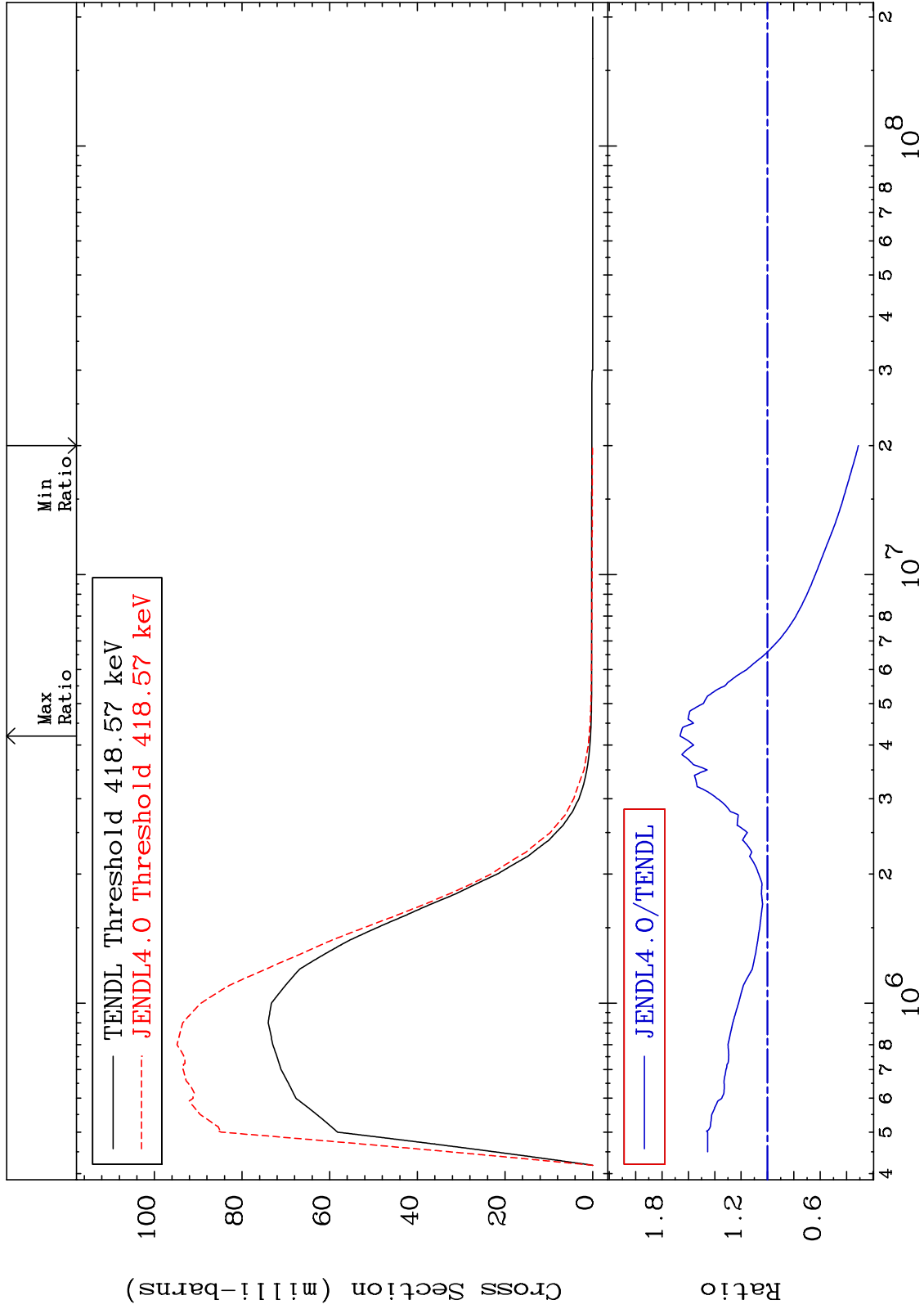
63-Eu-151
-93.77 To 35.71 %



MAT 6325

MT= 65 (n,n') Level
Cross Section

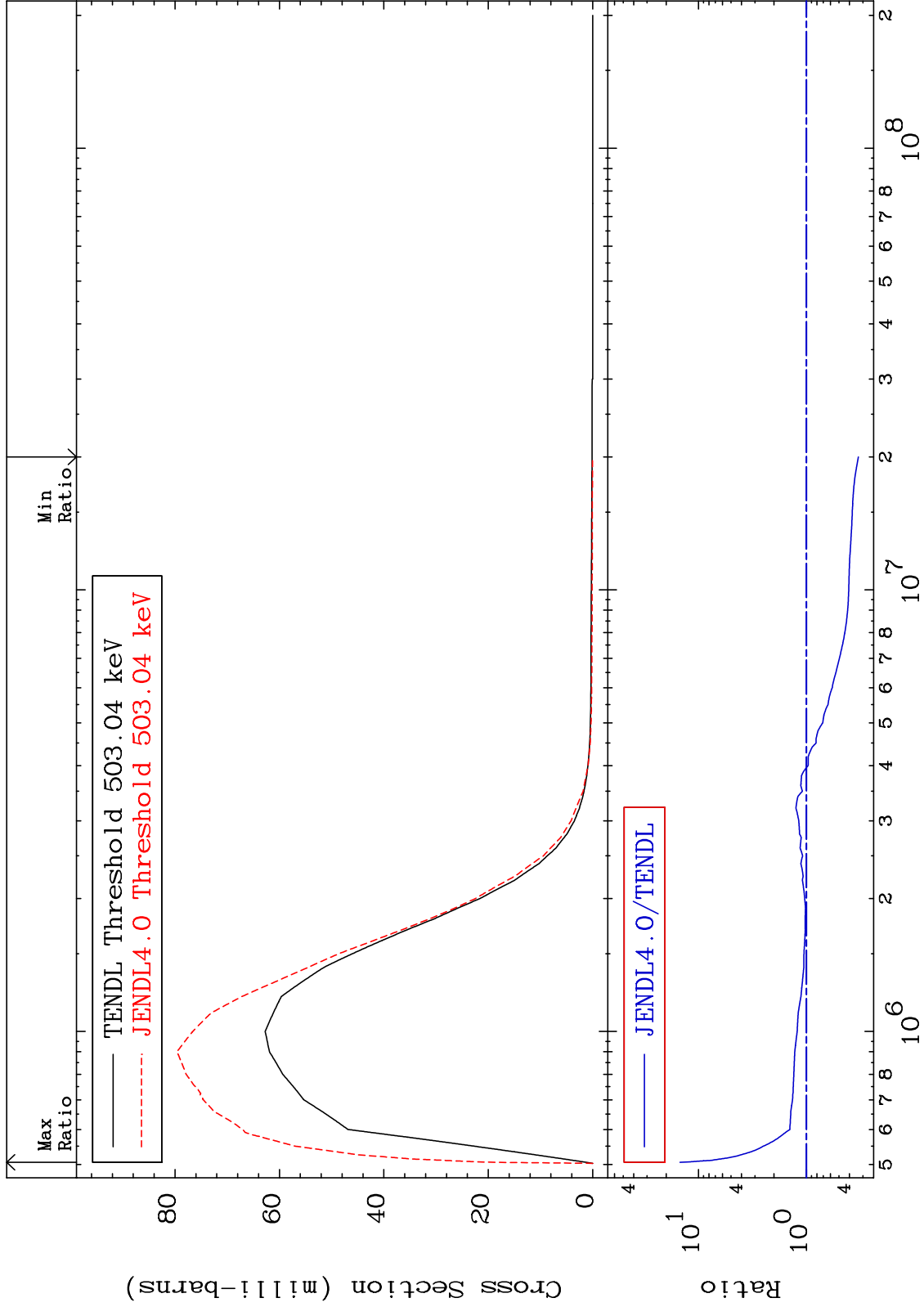
63-Eu-151
-68.95 To 66.34 %



MAT 6325

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

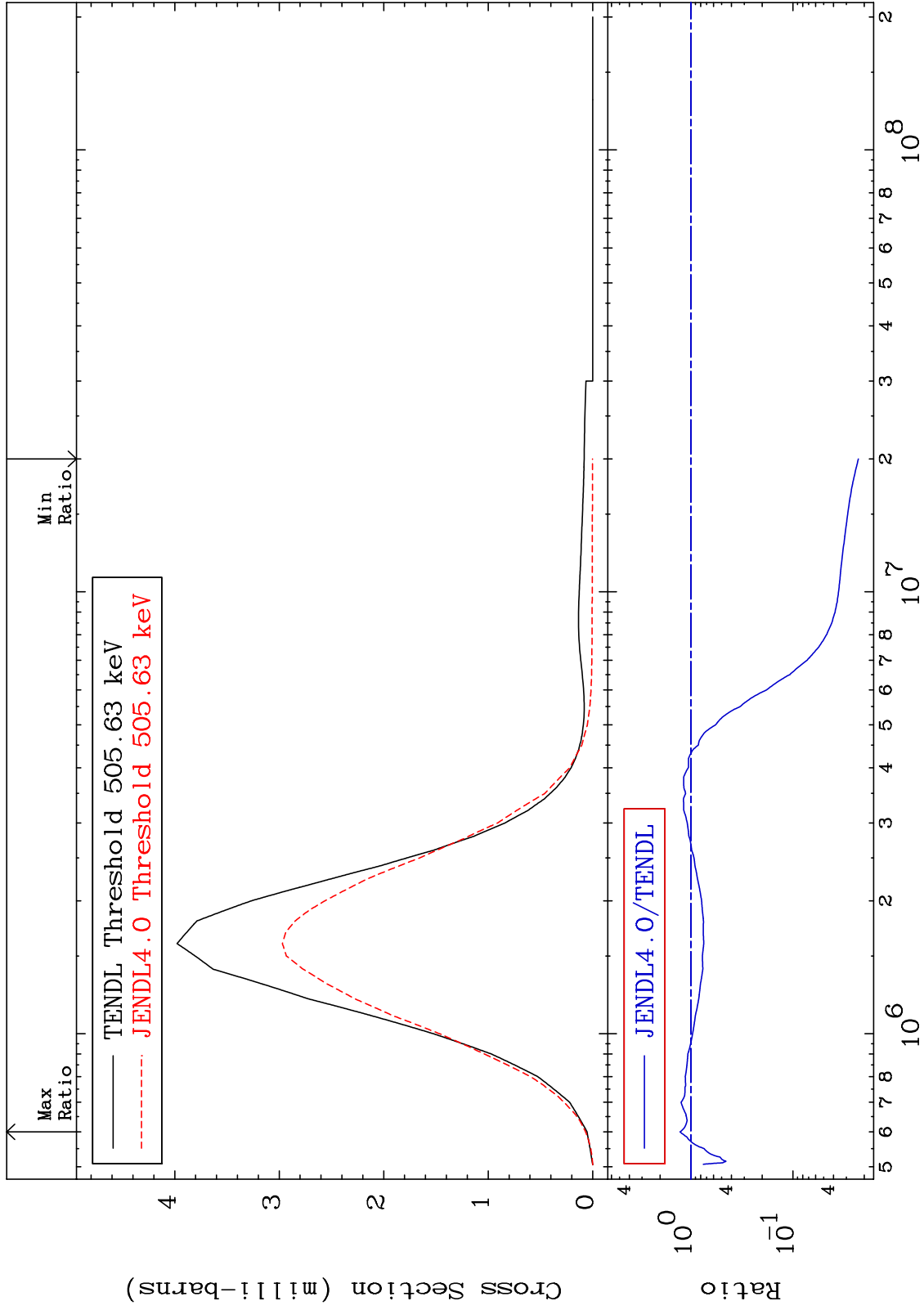
63-Eu-151
-66.94 To 1386. %



MAT 6325

MT= 67 (n,n') Level
Cross Section

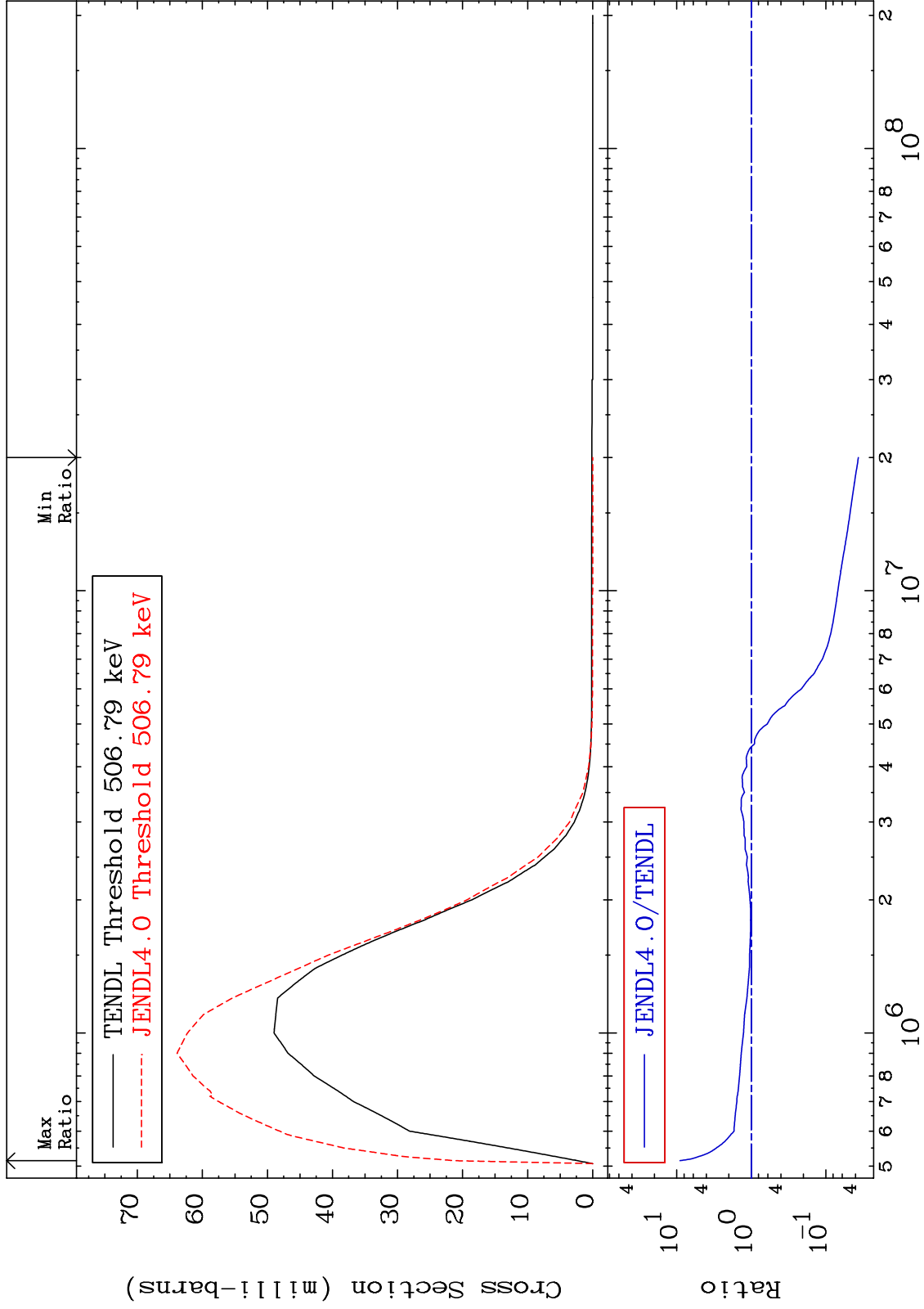
63-Eu-151
-97.72 To 27.53 %



MAT 6325

MT= 68 (n,n') Level
Cross Section

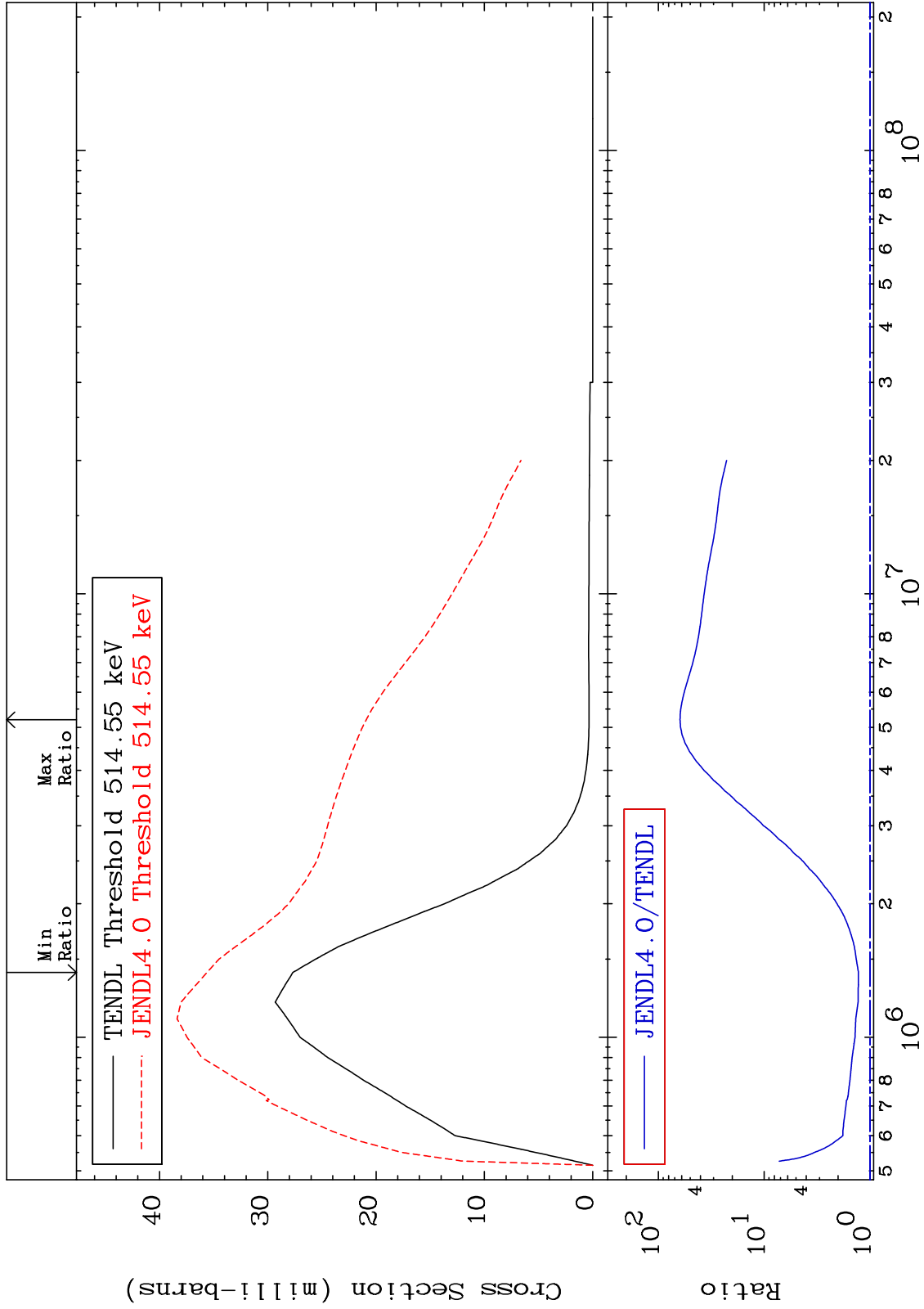
63-Eu-151
-96.35 To 804.7 %



MAT 6325

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

63-Eu-151
28.65 To 6131. %

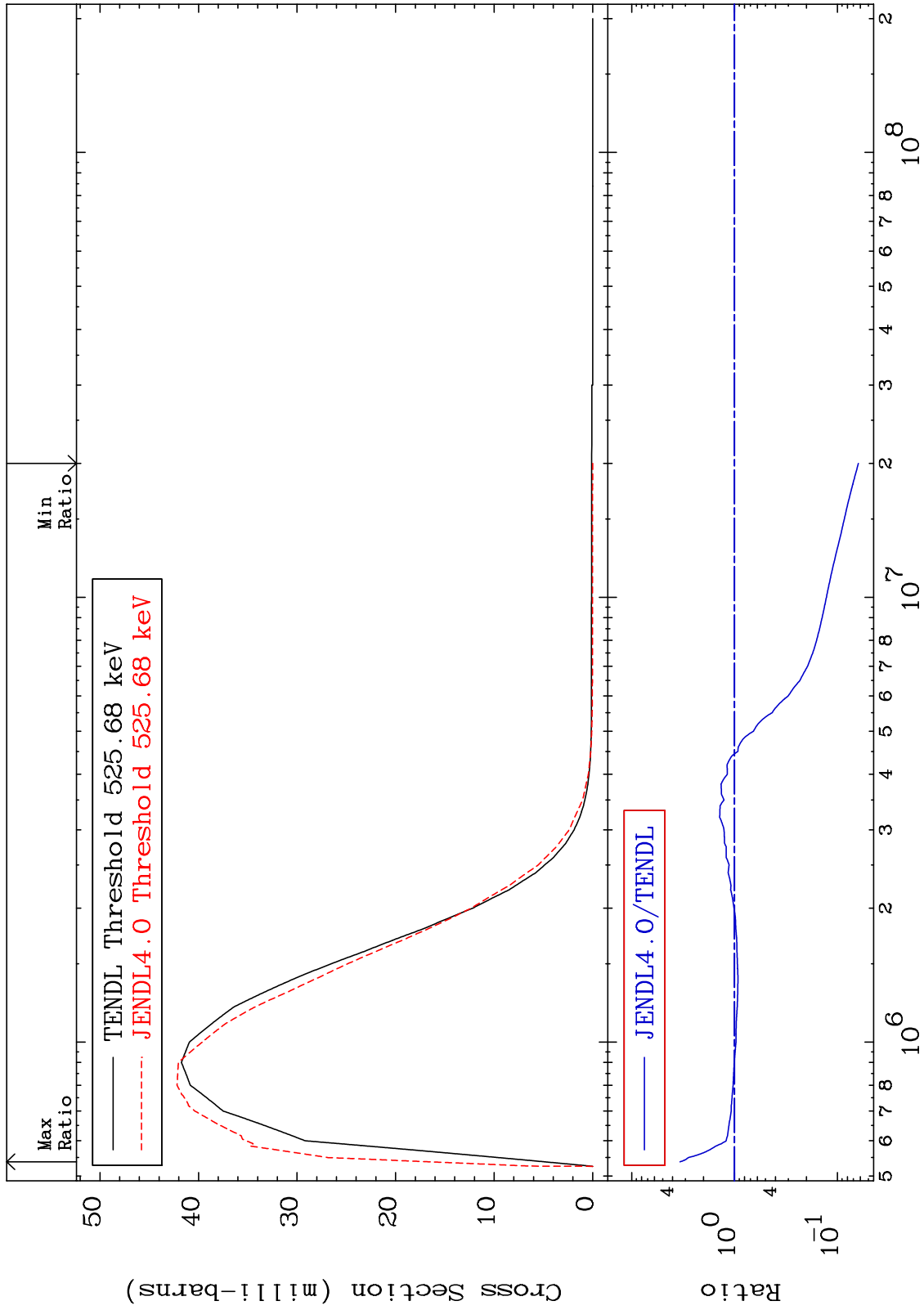


30

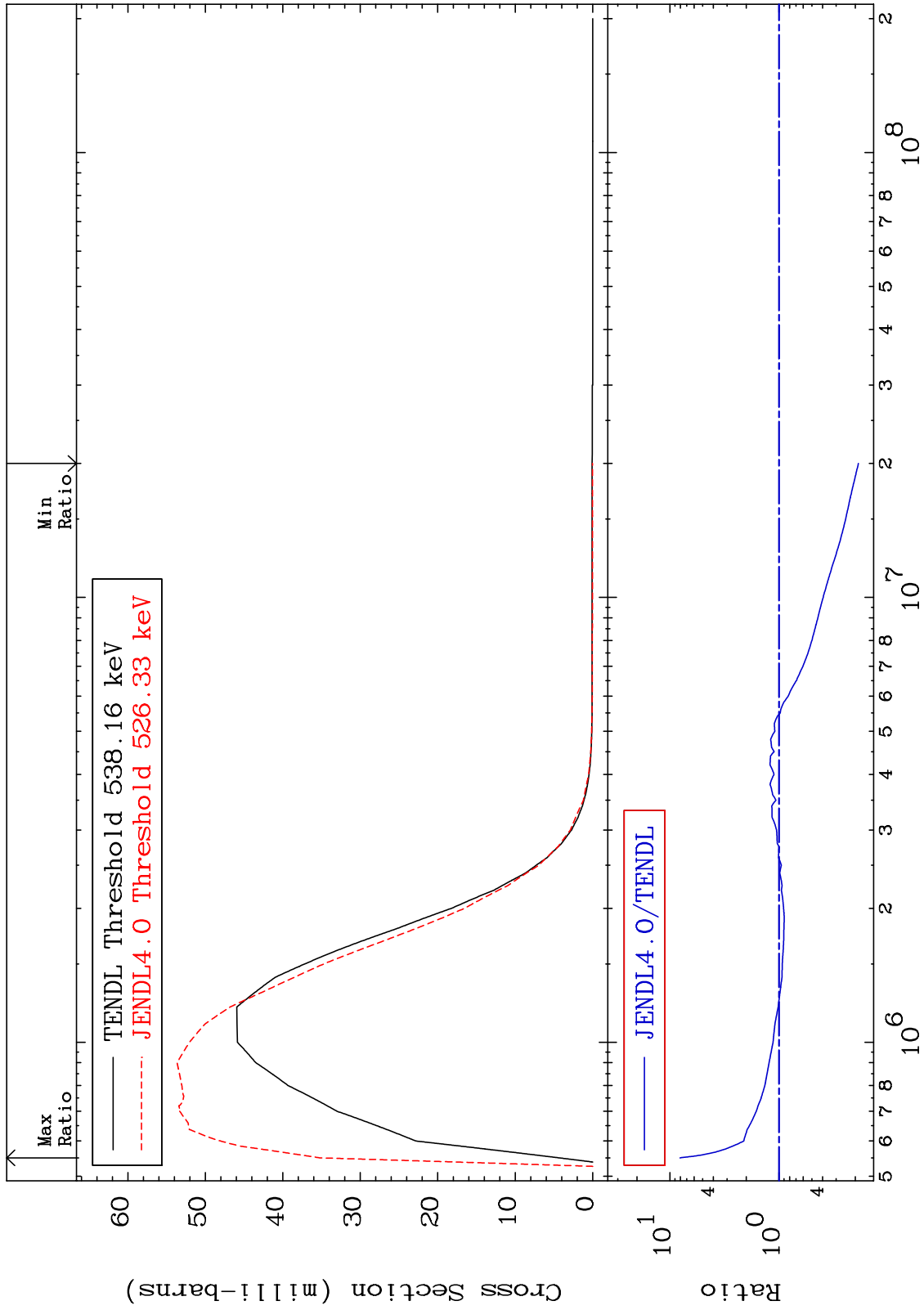
Incident Energy (eV)

63-Eu-151

MAT 6325 MT= 70 (n,n') Level Cross Section 63-Eu-151 -93.75 To 238.7 %



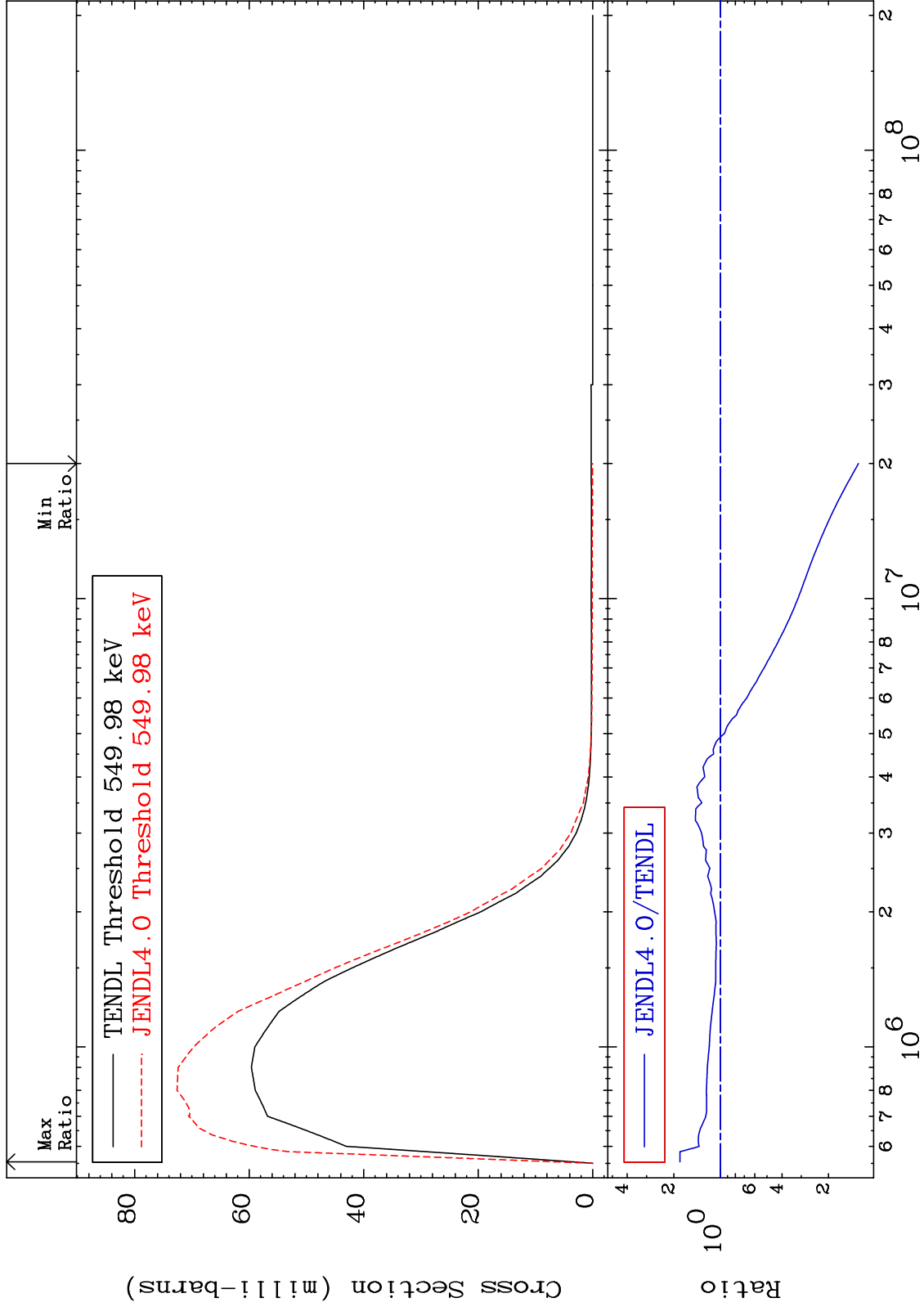
MAT 6325 MT= 71 (n,n') Level Cross Section 63-Eu-151 -81.25 To 707.4 %



MAT 6325

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

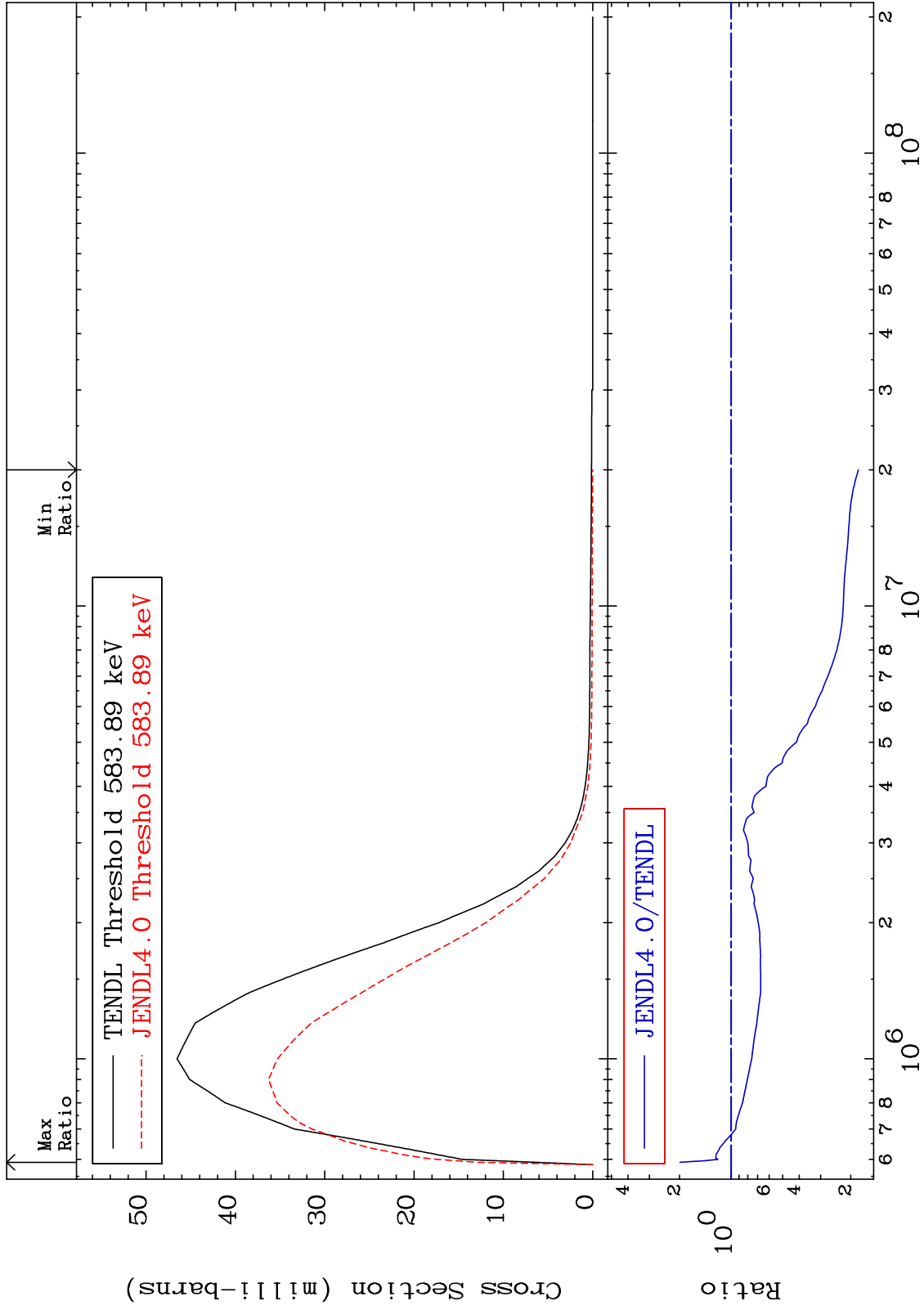
63-Eu-151
-87.17 To 82.43 %



MAT 6325

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

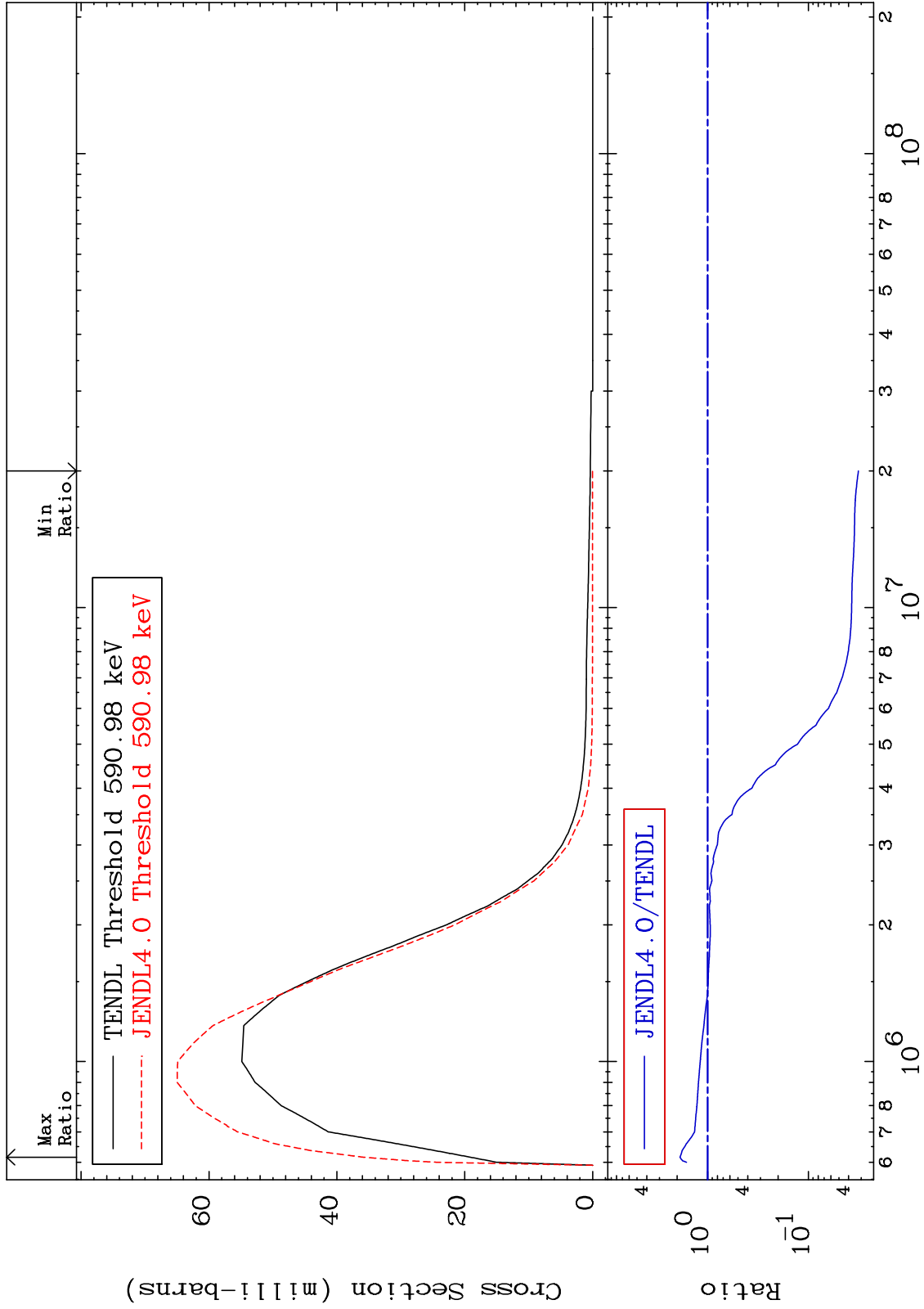
63-Eu-151
-81.96 To 98.92 %



MAT 6325

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

63-Eu-151
-96.80 To 87.56 %



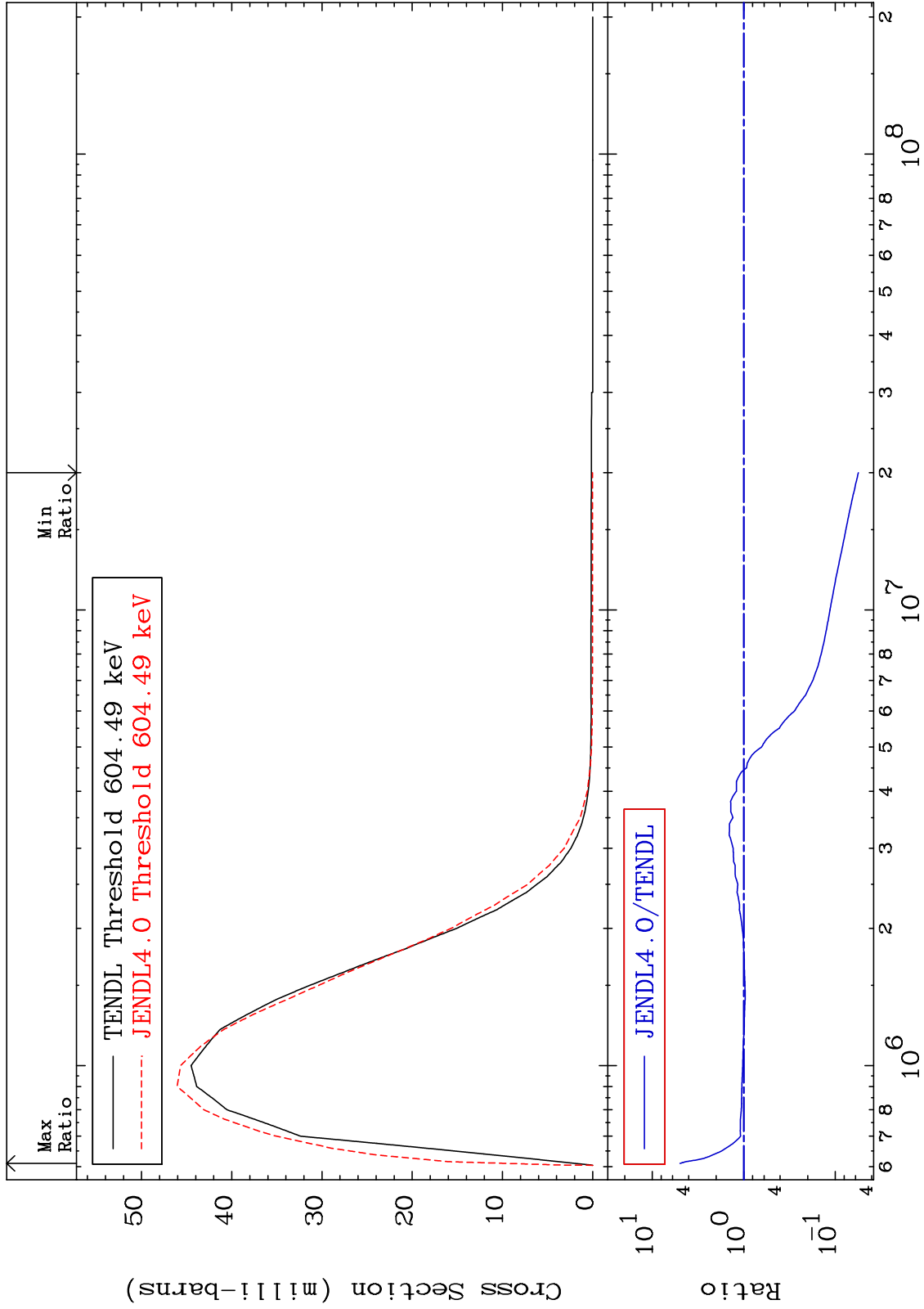
35

63-Eu-151

MAT 6325

MT= 75 (n,n') Level
Cross Section

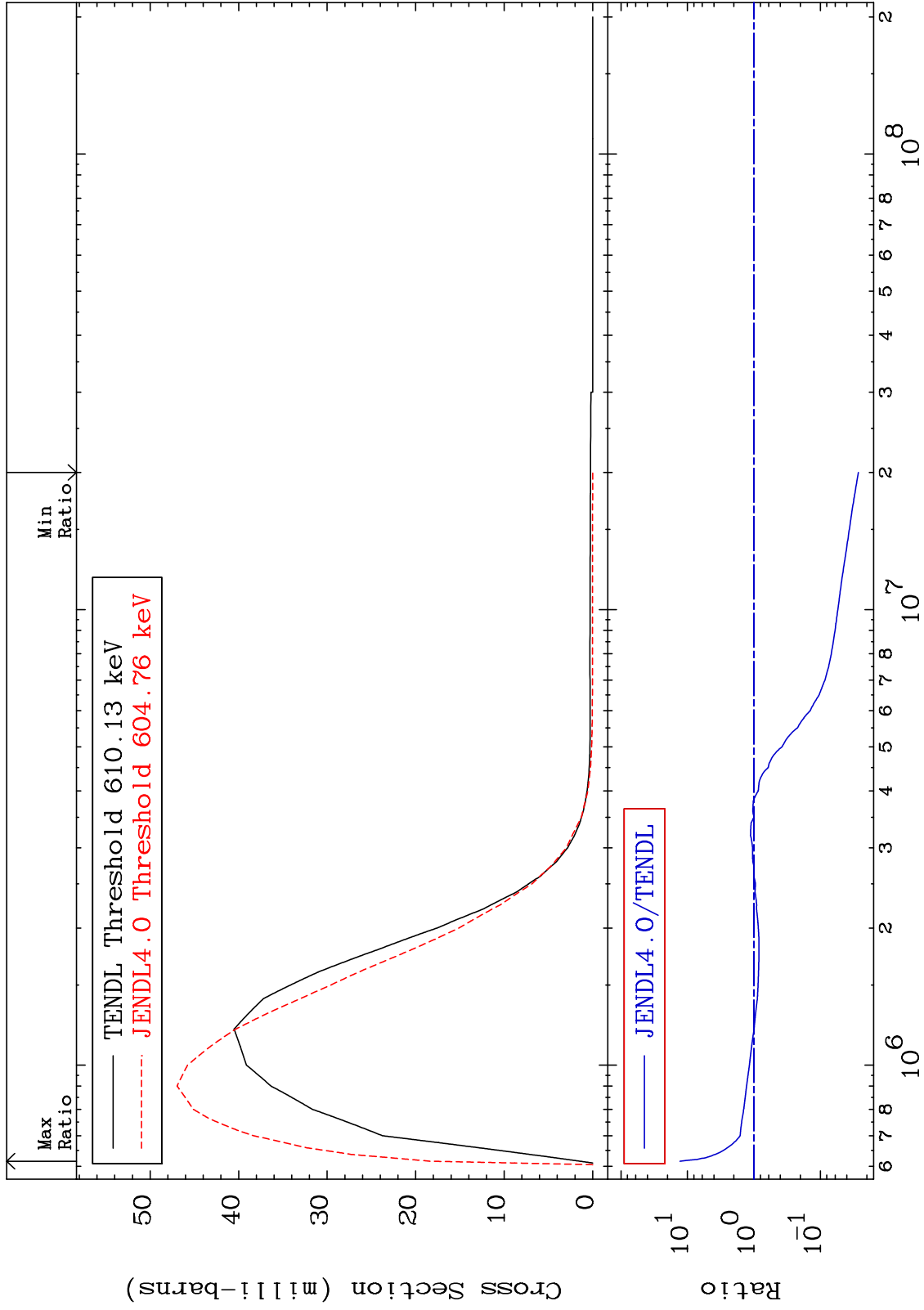
63-Eu-151
-94.42 To 397.2 %



MAT 6325

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

63-Eu-151
-97.32 To 1194. %



37

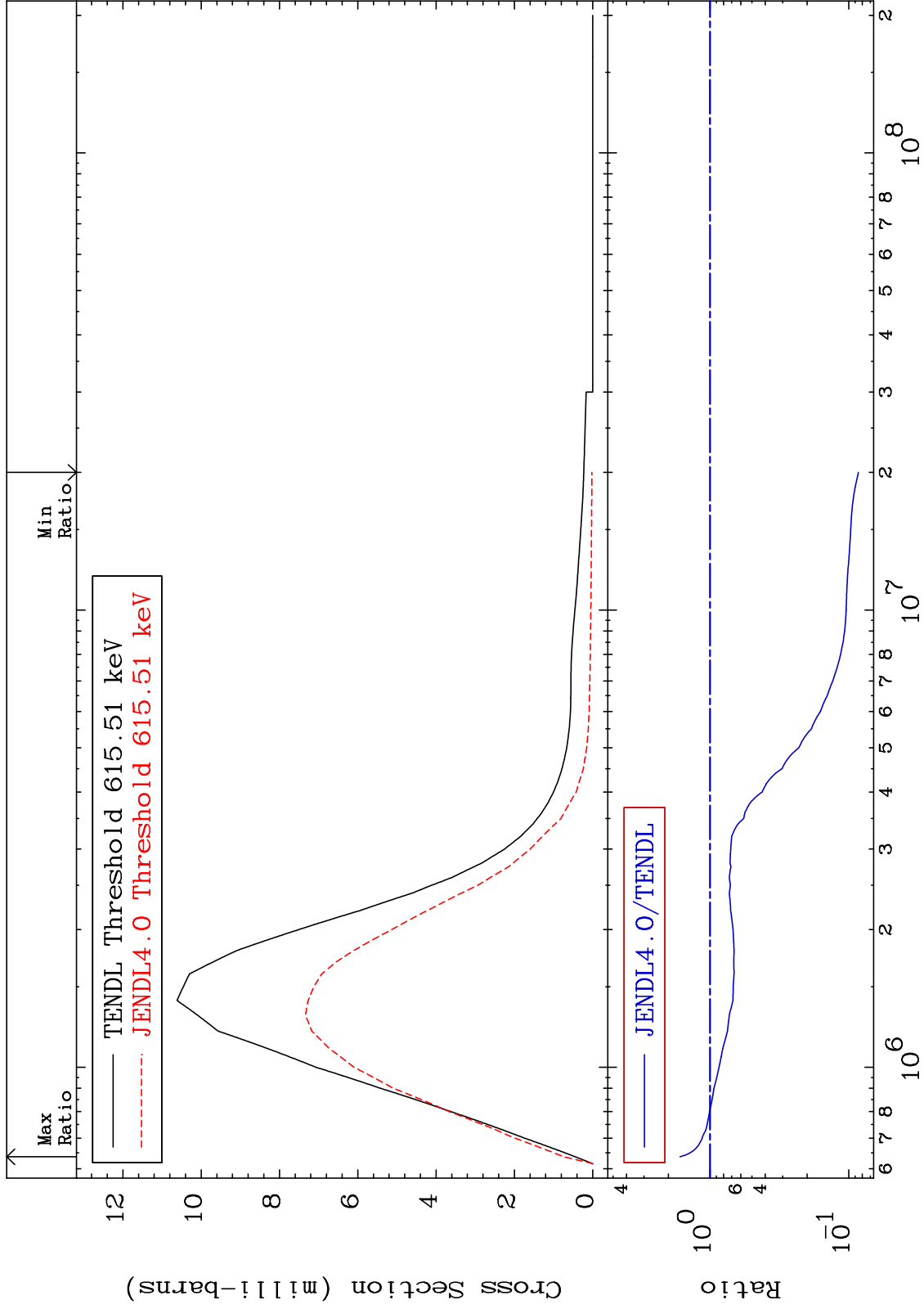
Incident Energy (eV)

63-Eu-151

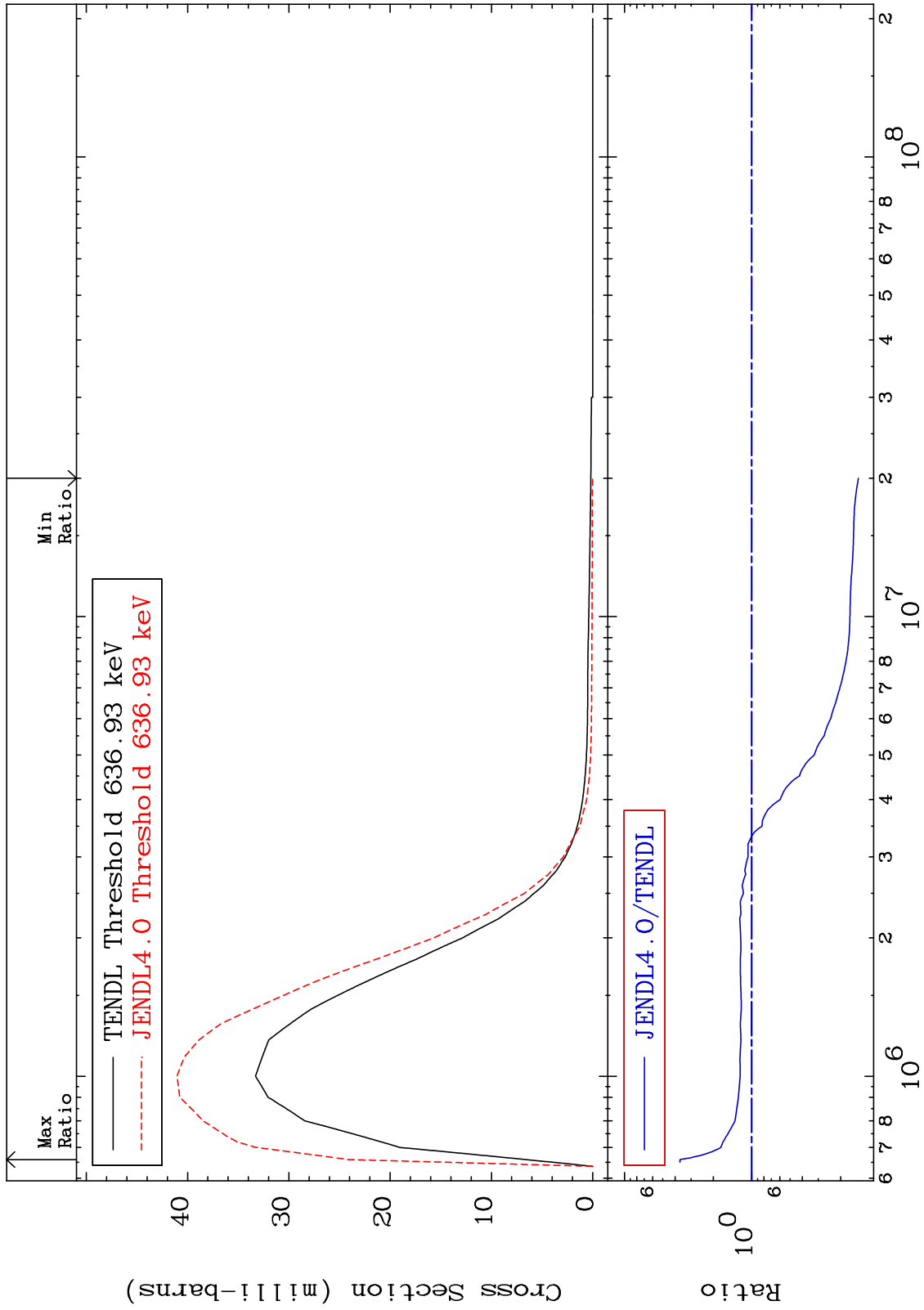
MAT 6325

MT= 77 (n,n') Level
Cross Section

63-Eu-151
-91.47 To 64.64 %



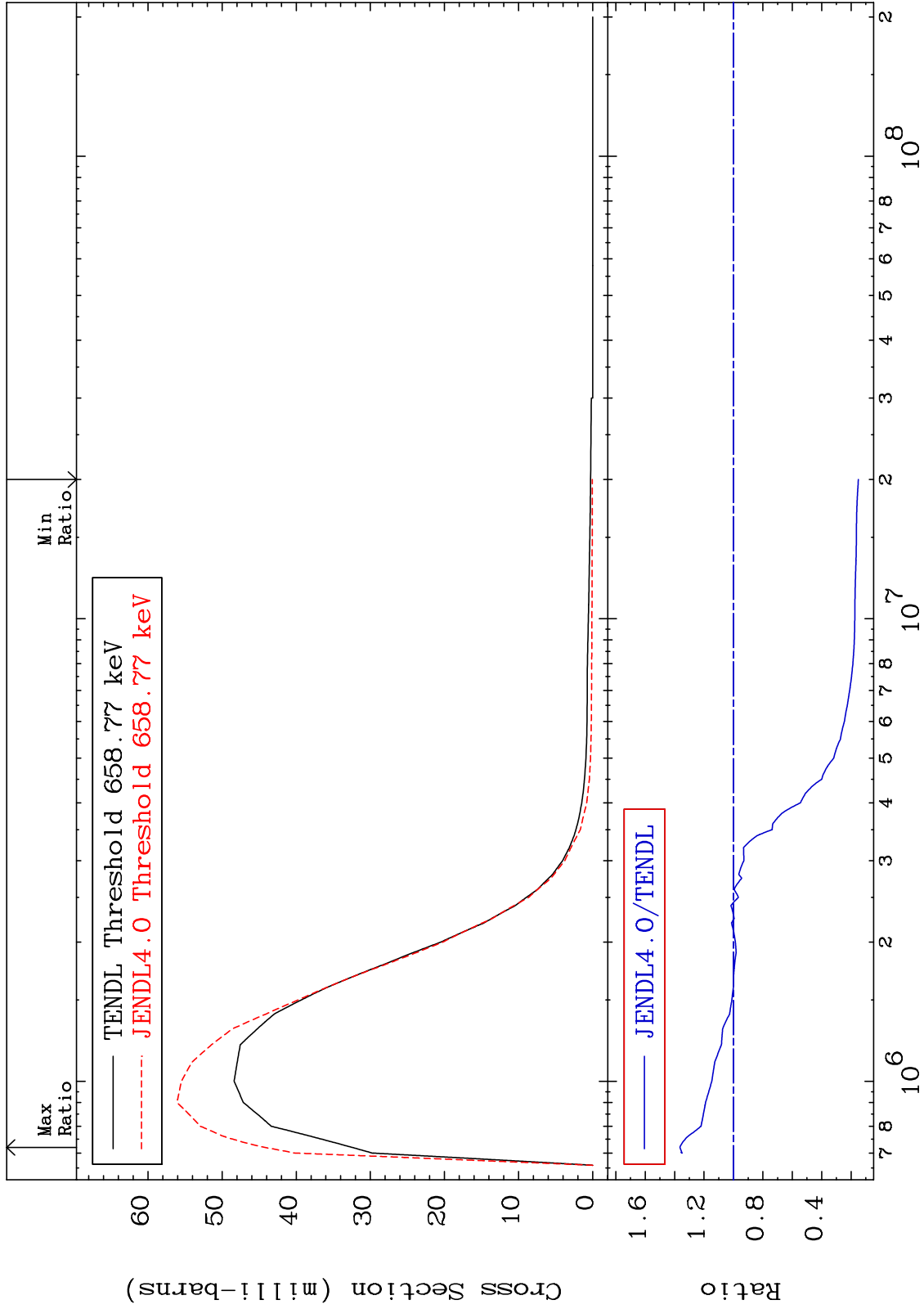
MAT 6325 MT= 78 (n,n') Level Cross Section -85.51 To 265.9 % 63-Eu-151



MAT 6325

MT= 79 (n,n') Level
Cross Section

63-Eu-151
-84.98 To 36.32 %



40

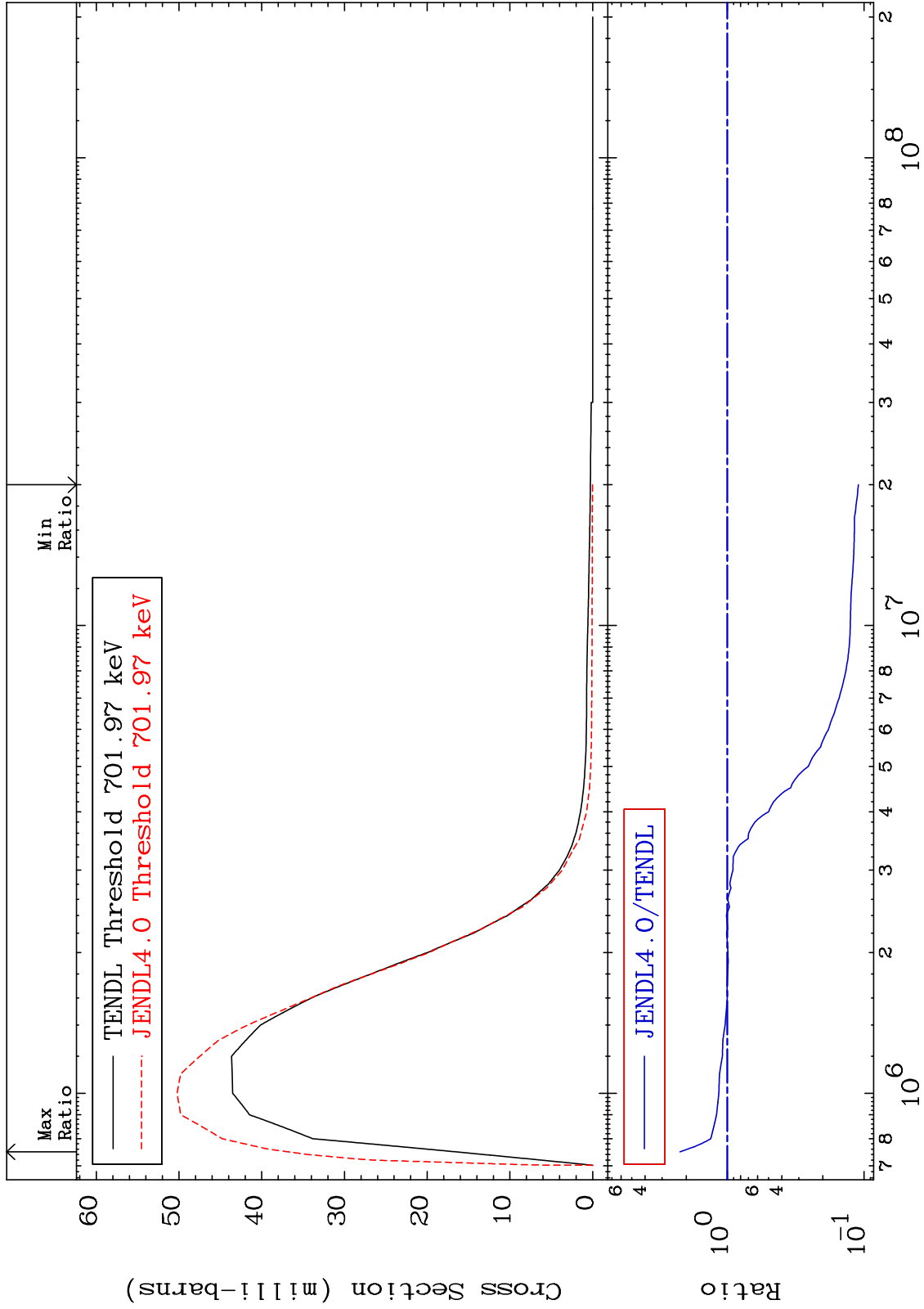
Incident Energy (eV)

63-Eu-151

MAT 6325

MT= 80 (n,n') Level
Cross Section

63-Eu-151
-89.01 To 122.1 %



41

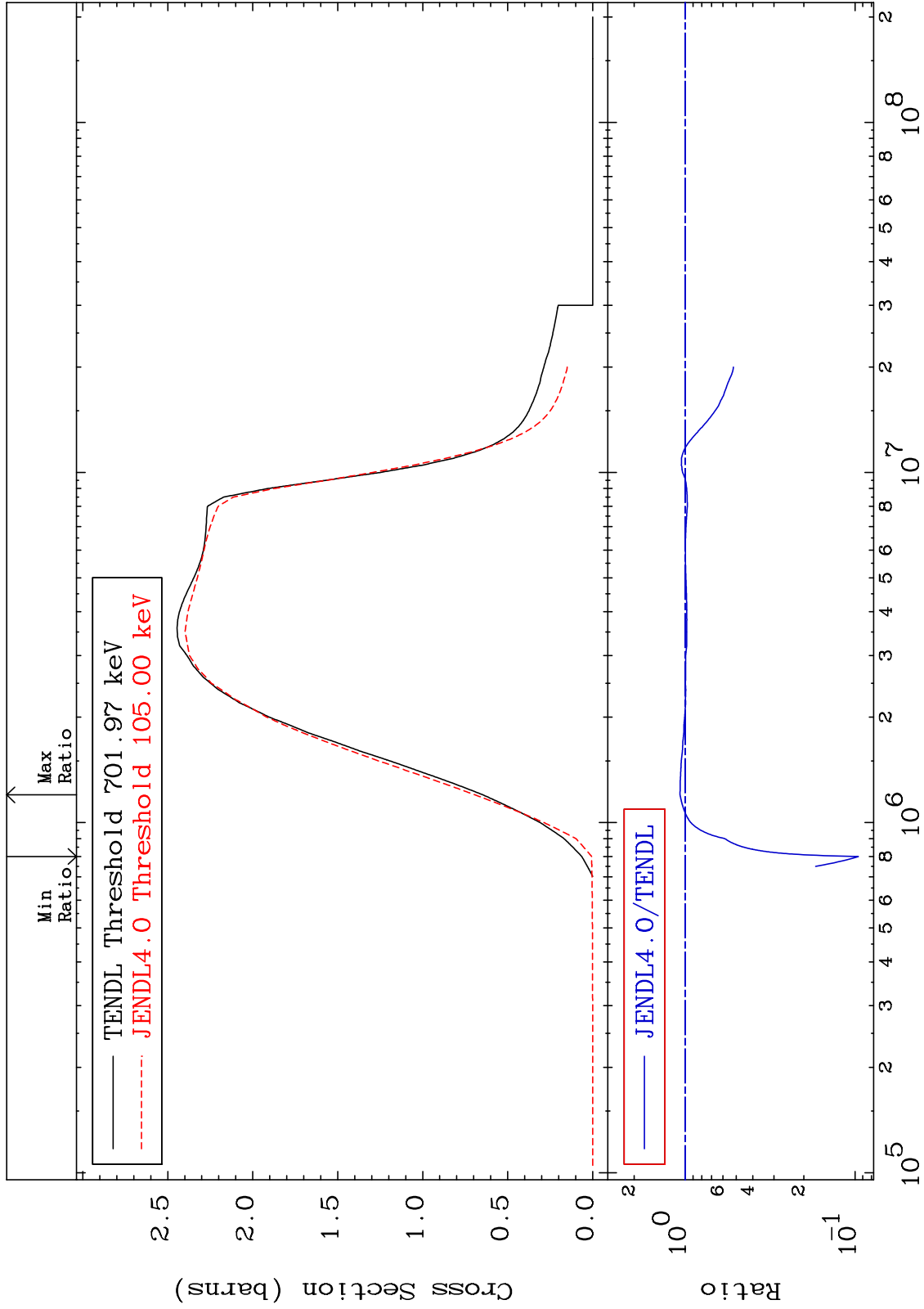
Incident Energy (eV)

63-Eu-151

MAT 6325

(n, n') Continuum
Cross Section

63-Eu-151
-90.45 To 7.304 %



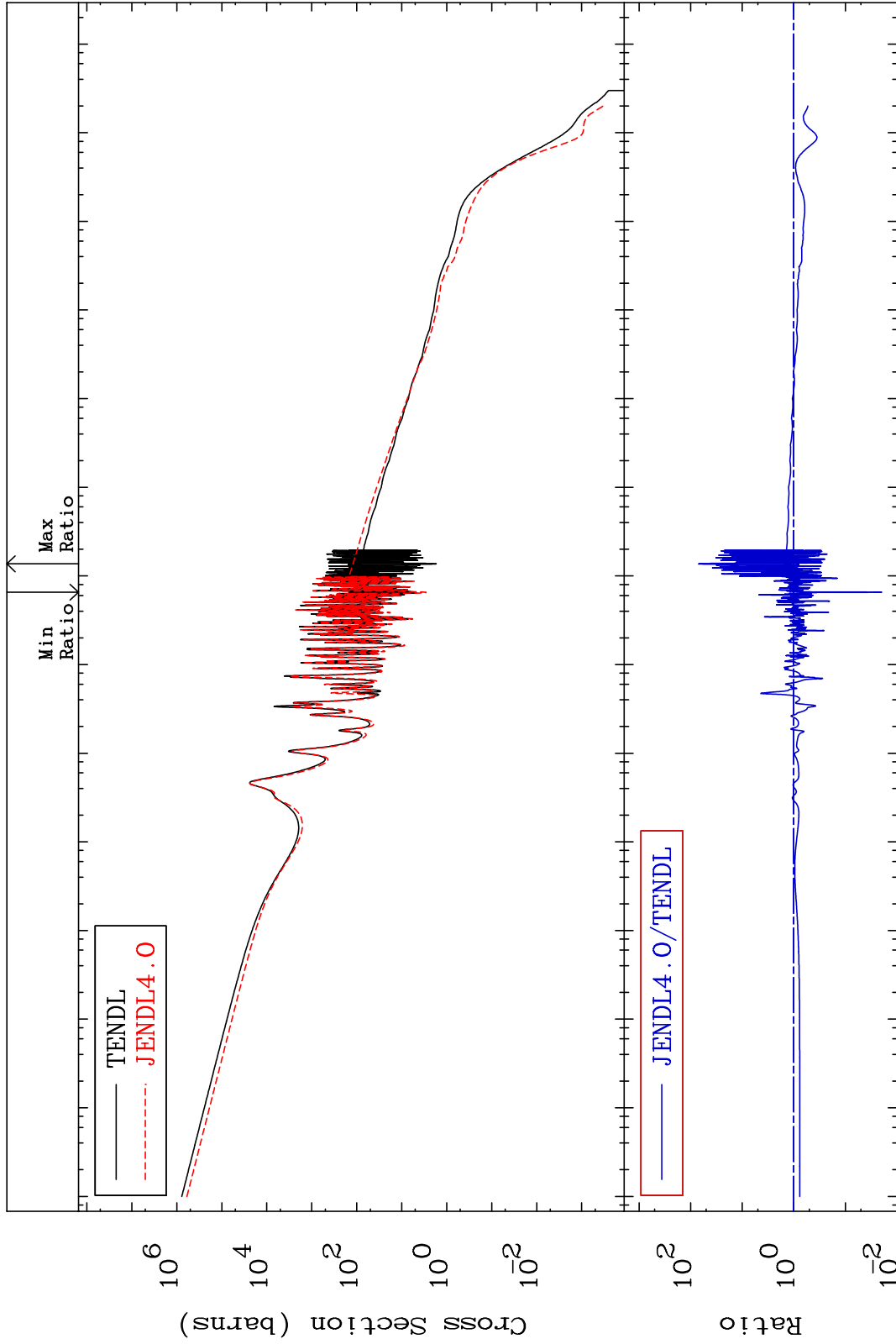
63-Eu-151

42

MAT 6325

(n, γ)
Cross Section

63-Eu-151
-98.01 To 6990. %



43

Incident Energy (eV)

63-Eu-151

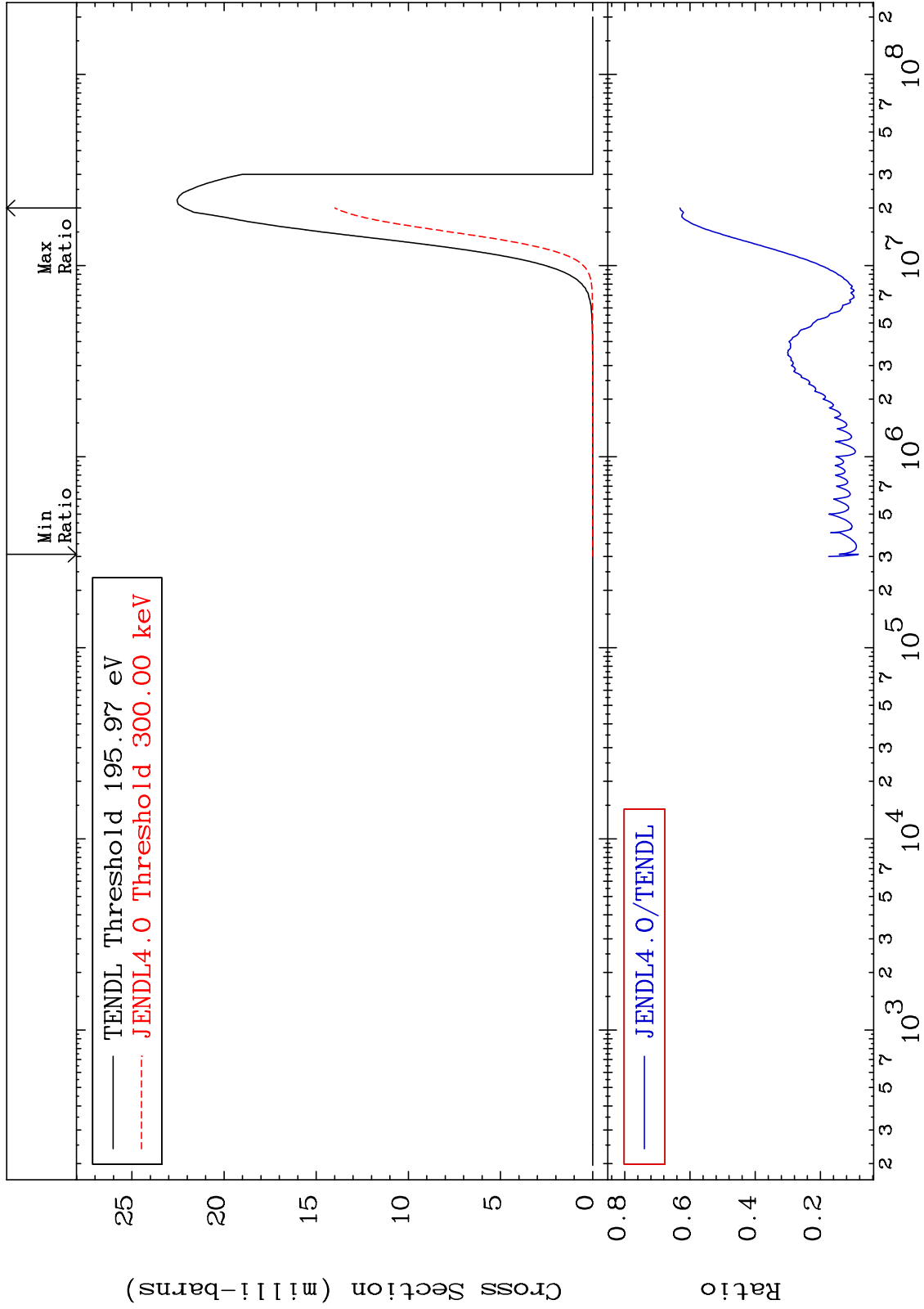
MAT 6325

(n, p)

63-Eu-151

Cross Section

-91.63 To -36.95%



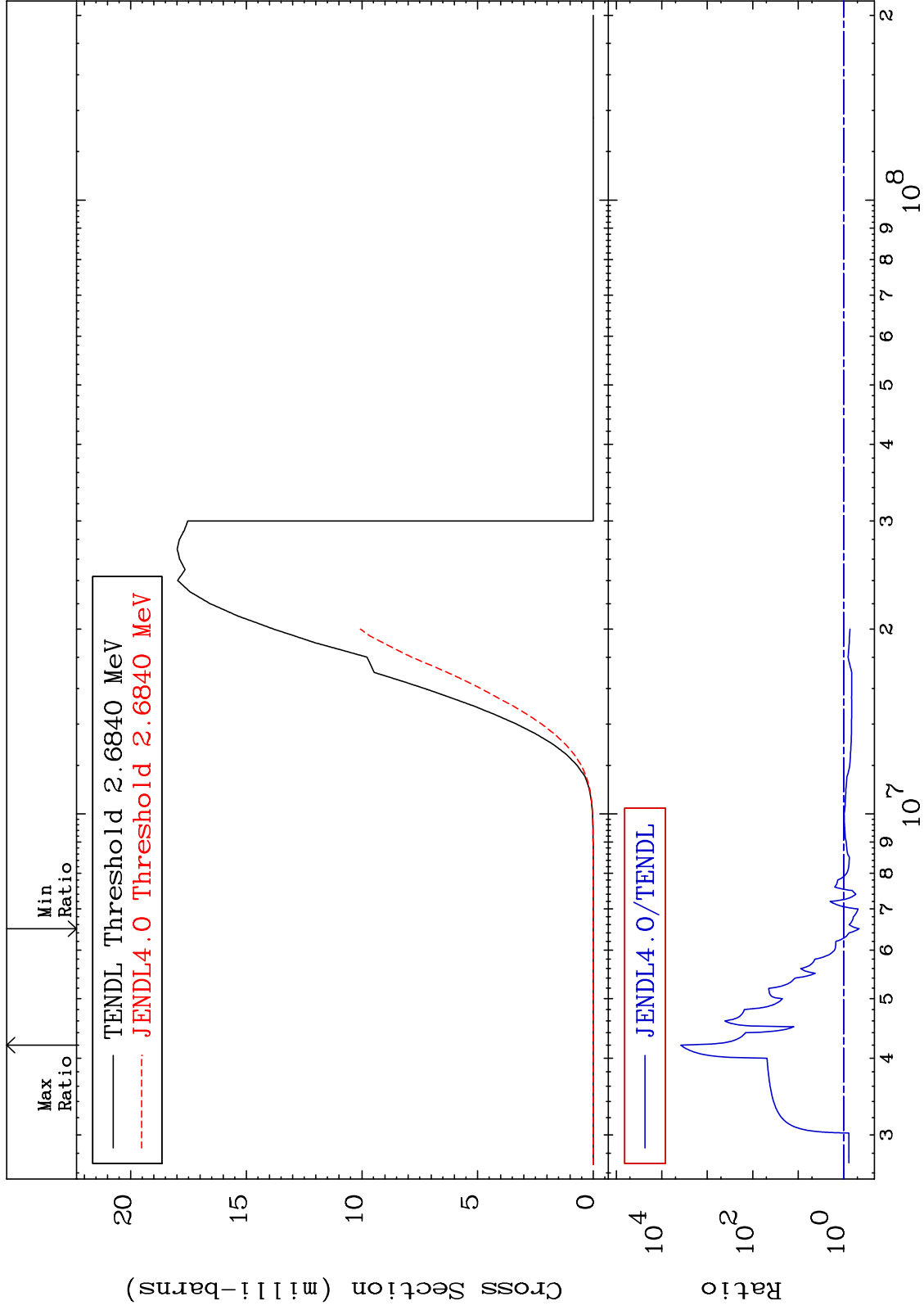
MAT 6325

(n, d)

63-Eu-151

Cross Section

-54.31 To 9999. %



45

Incident Energy (eV)

63-Eu-151

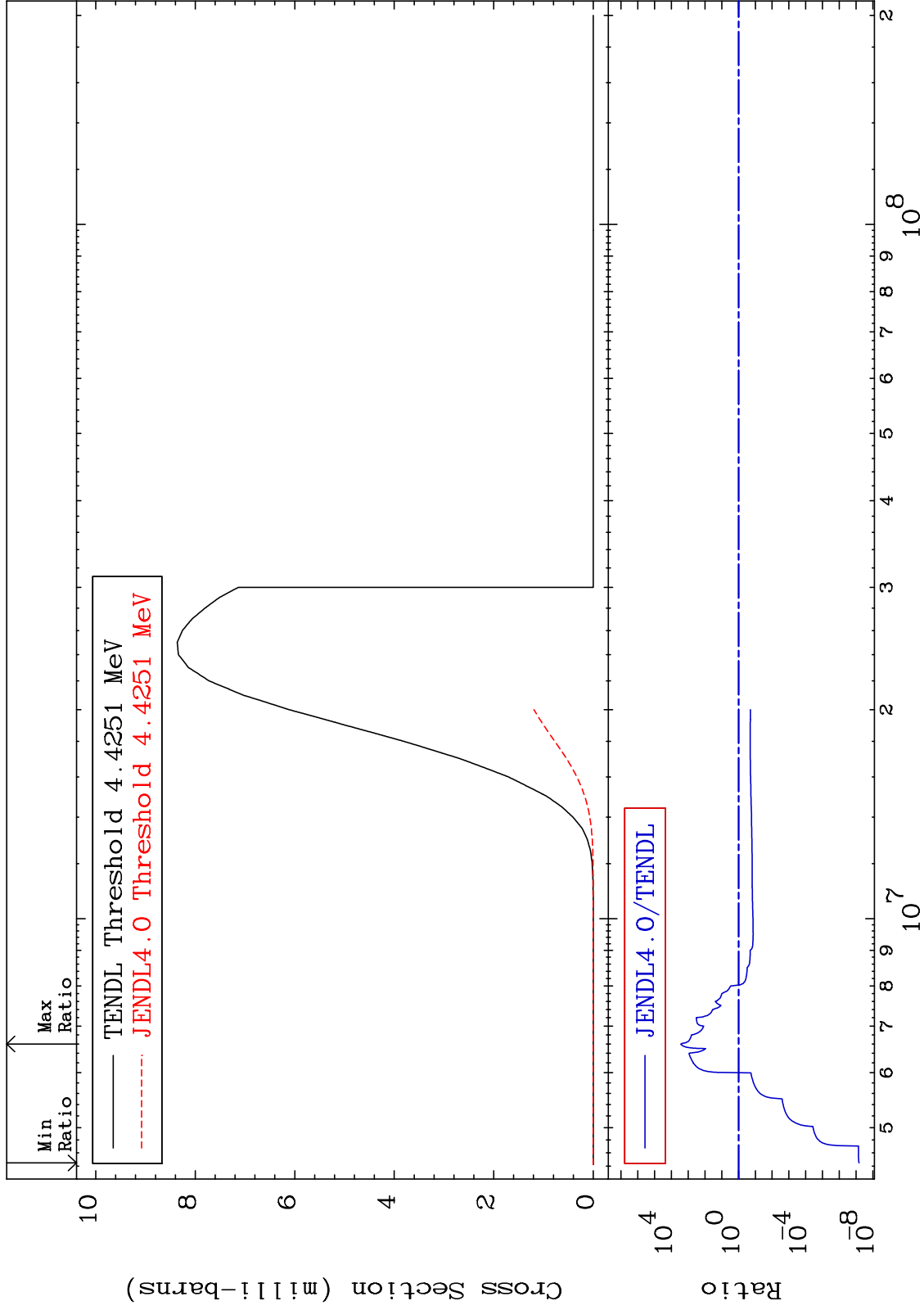
MAT 6325

(n, t)

63-Eu-151

Cross Section

-100.0 To 9999. %



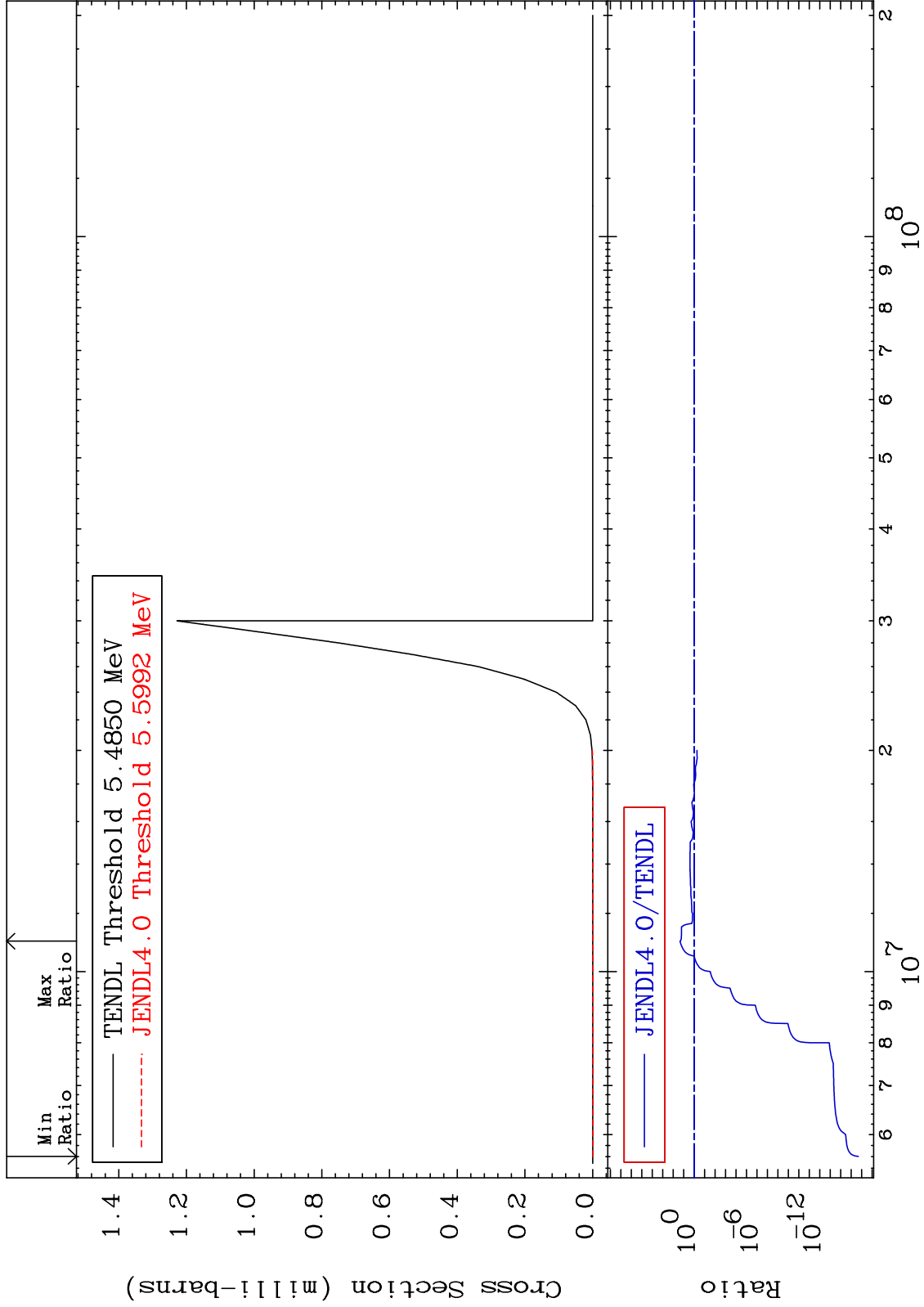
MAT 6325

(n, He-3)

63-Eu-151

Cross Section

-100.0 To 2093. %



47

Incident Energy (eV)

63-Eu-151

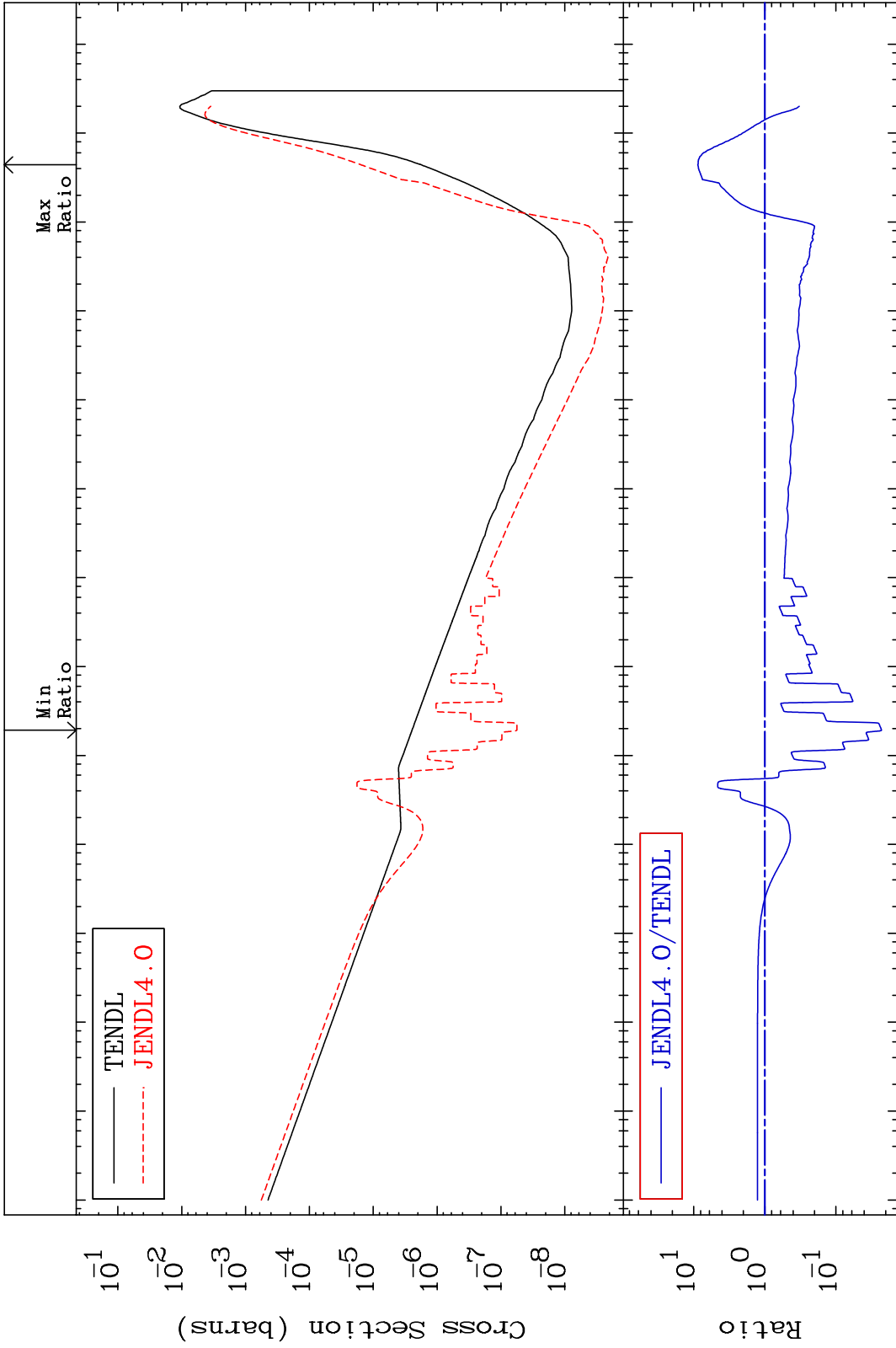
MAT 6325

(n, α)

63-Eu-151

Cross Section

-97.71 To 776.6 %



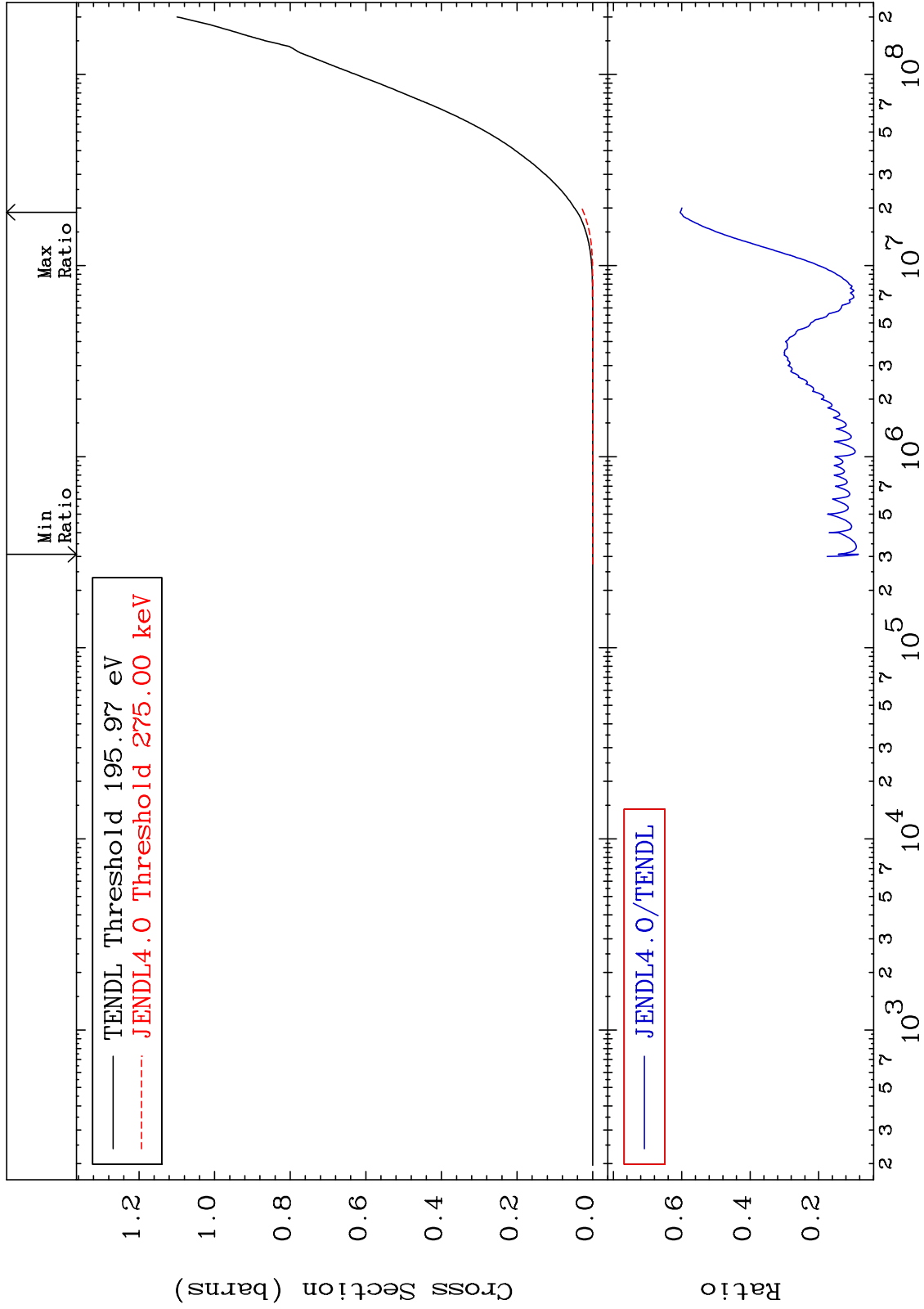
Incident Energy (eV)

63-Eu-151

MAT 6325

Hydrogen Production
Cross Section

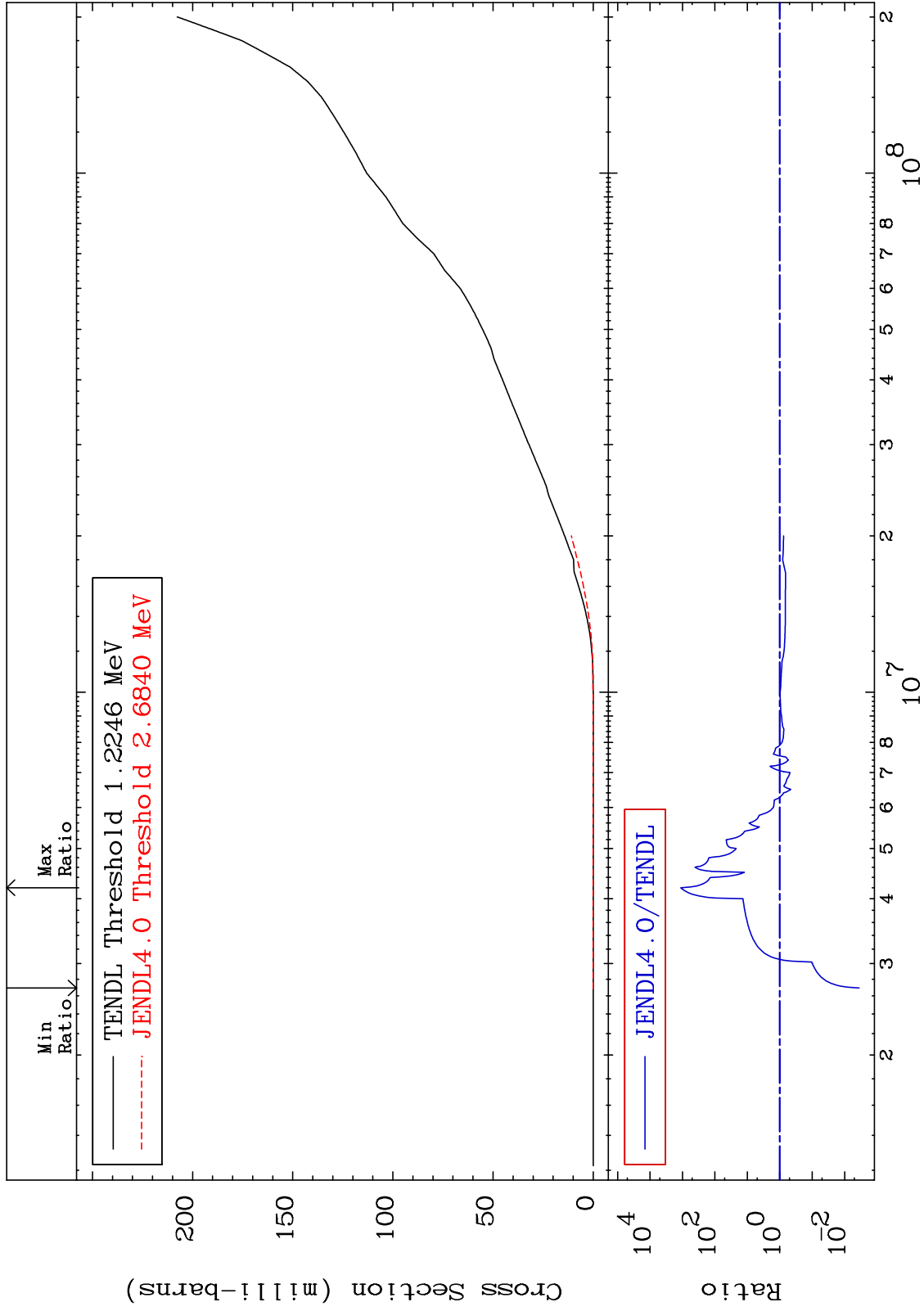
63-Eu-151
-91.63 To -39.49%



MAT 6325

Deuterium Production
Cross Section

63-Eu-151
-99.64 To 9999. %



50

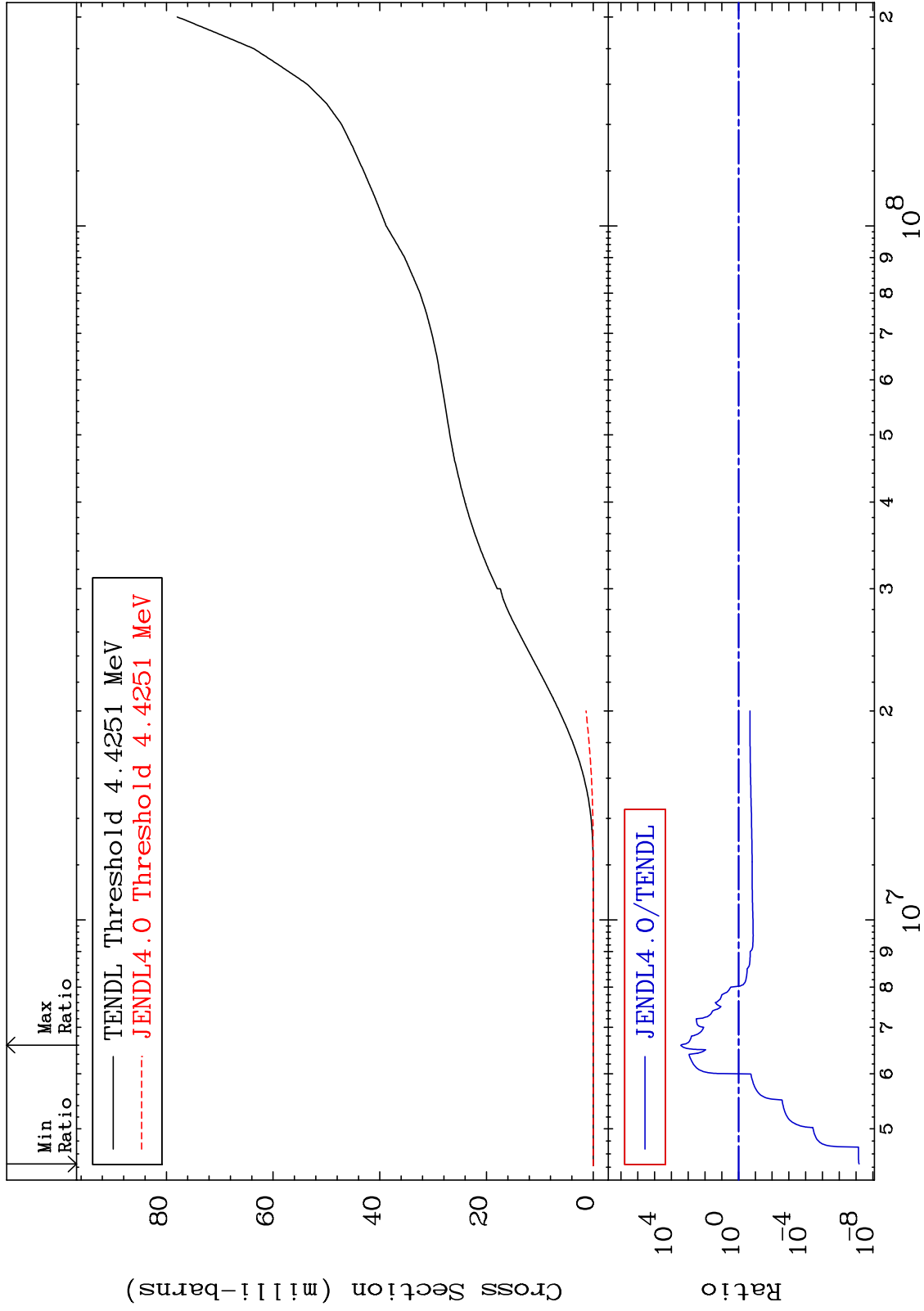
Incident Energy (eV)

63-Eu-151

MAT 6325

Tritium Production
Cross Section

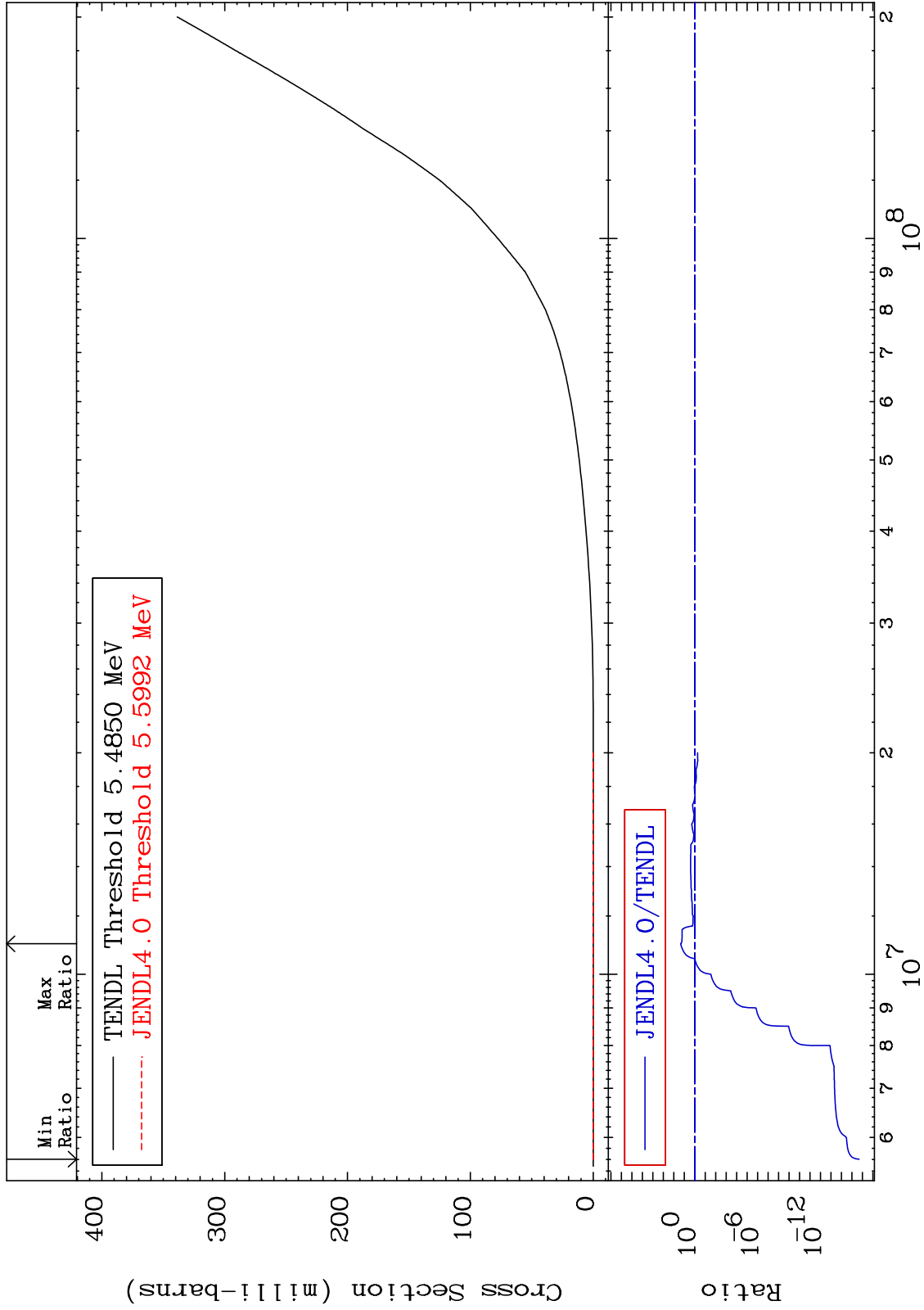
63-Eu-151
-100.0 To 9999. %



MAT 6325

He-3 Production
Cross Section

63-Eu-151
-100.0 To 2093. %



52

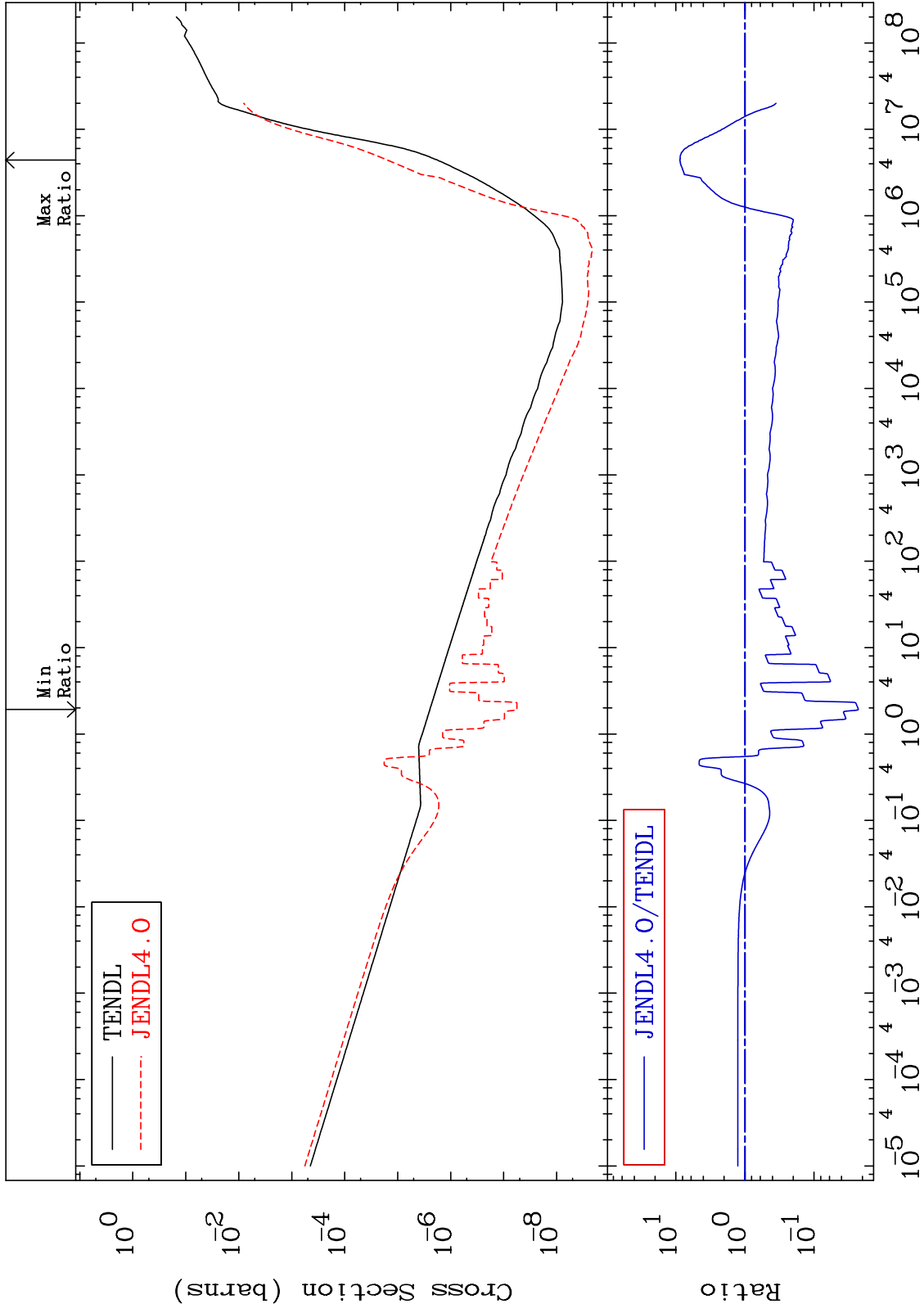
Incident Energy (eV)

63-Eu-151

MAT 6325

He-4 Production
Cross Section

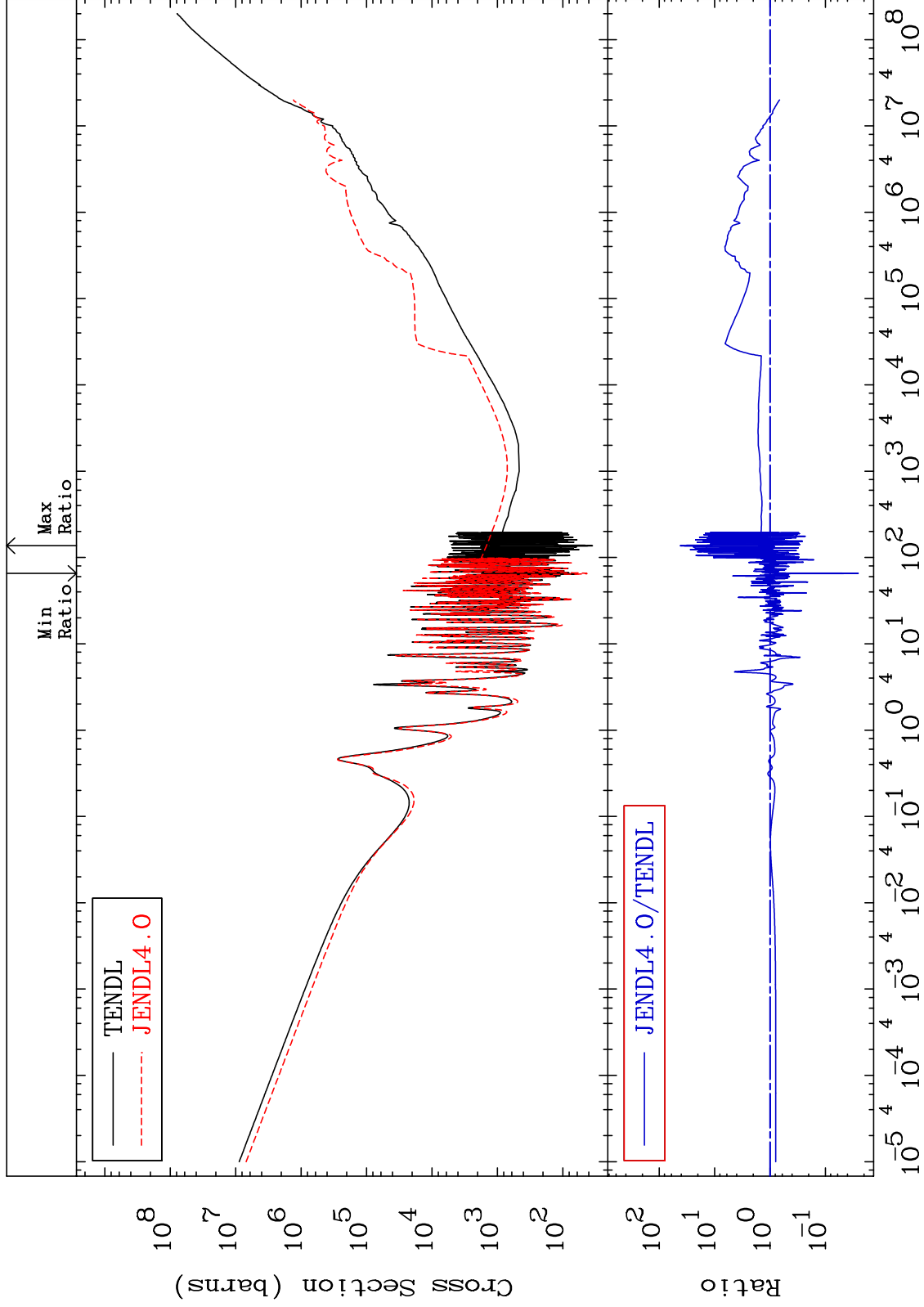
63-Eu-151
-97.71 To 776.8 %



MAT 6325

Kerma total (eV-barns)
Cross Section

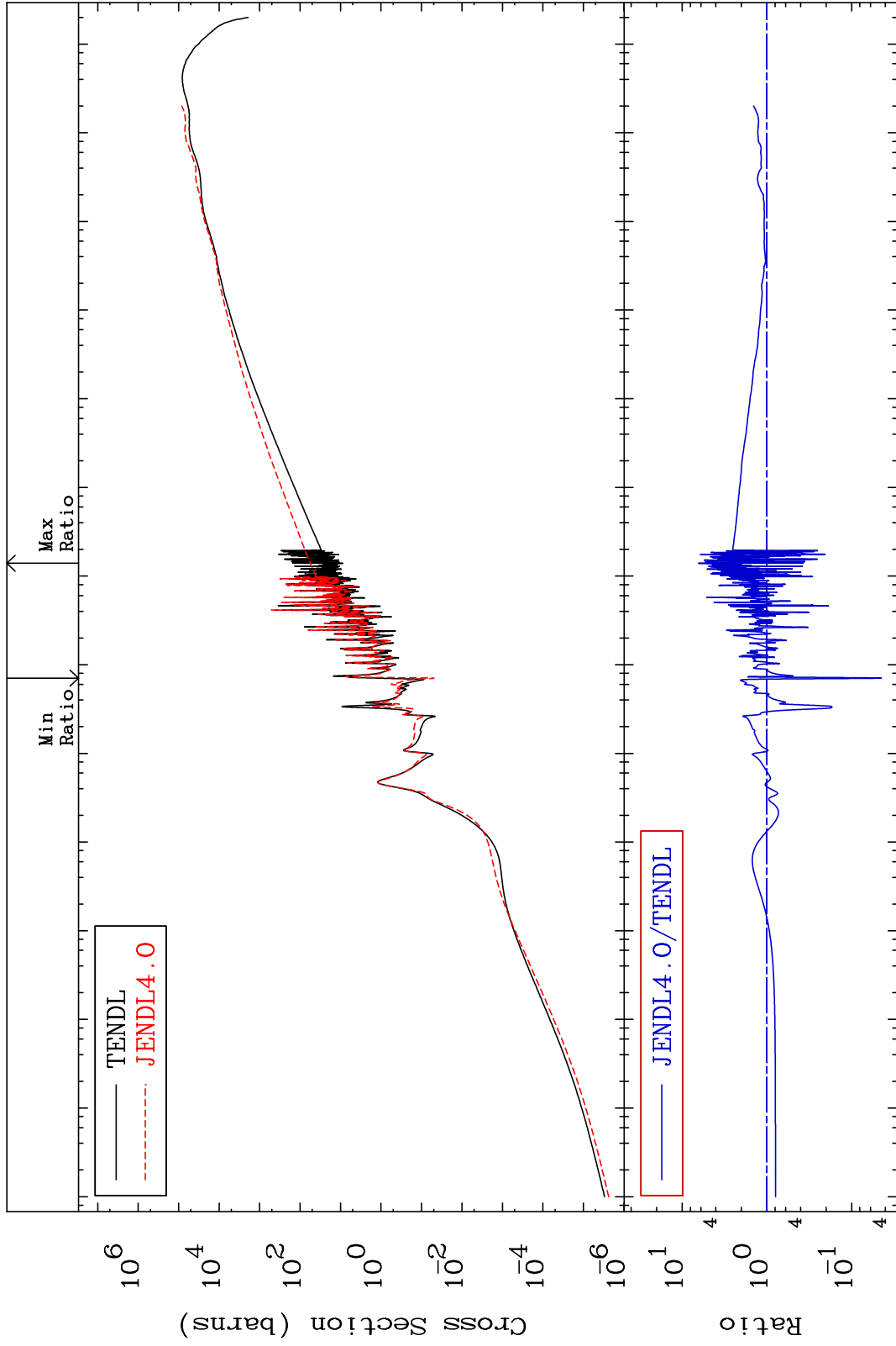
63-Eu-151
-97.47 To 4098. %



MAT 6325

Kerma elastic
Cross Section

63-Eu-151
-95.56 To 543.5 %



55

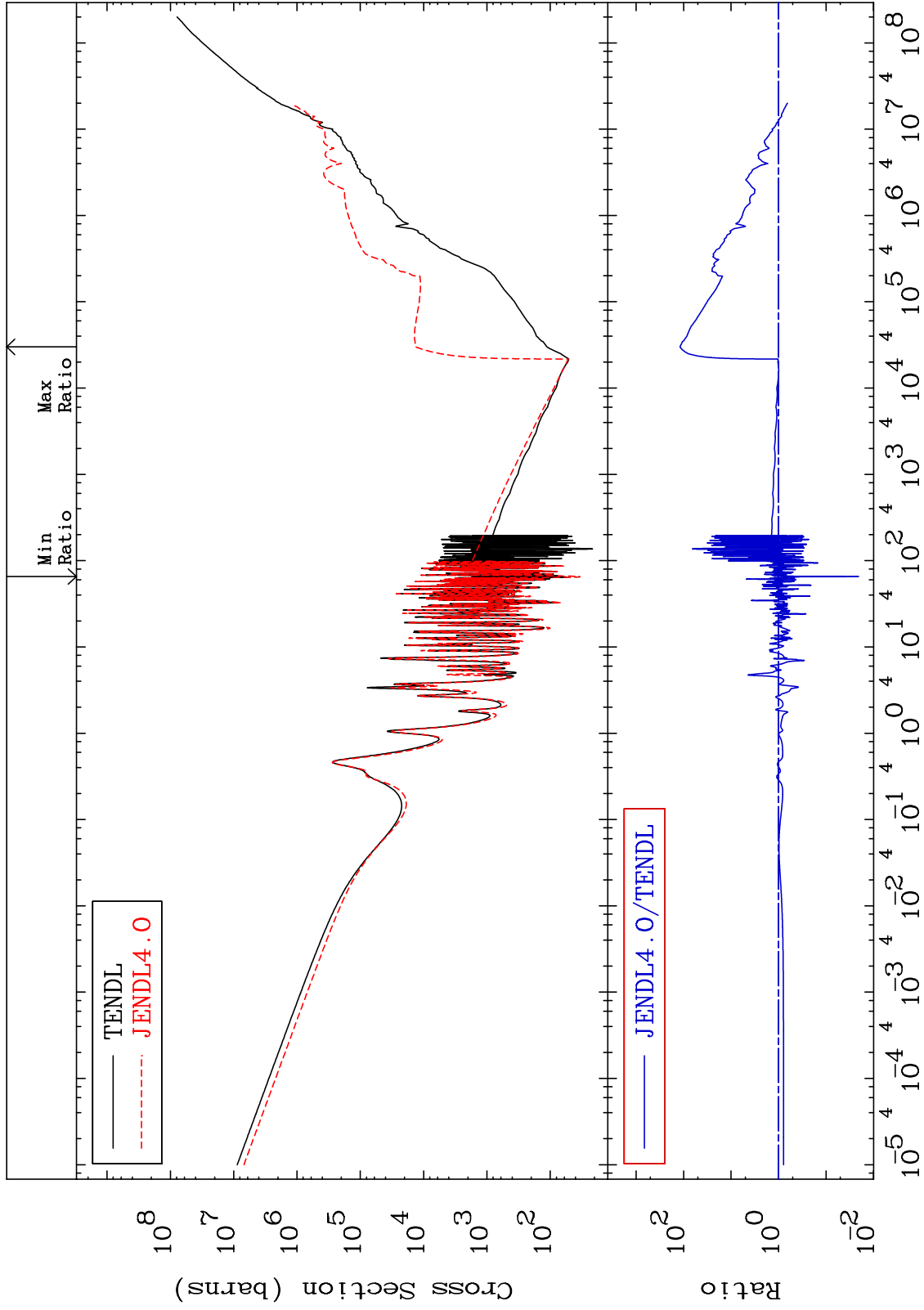
Incident Energy (eV)

63-Eu-151

MAT 6325

Kerma non-elastic (all but mt2)
Cross Section

63-Eu-151
-97.92 To 9999. %



56

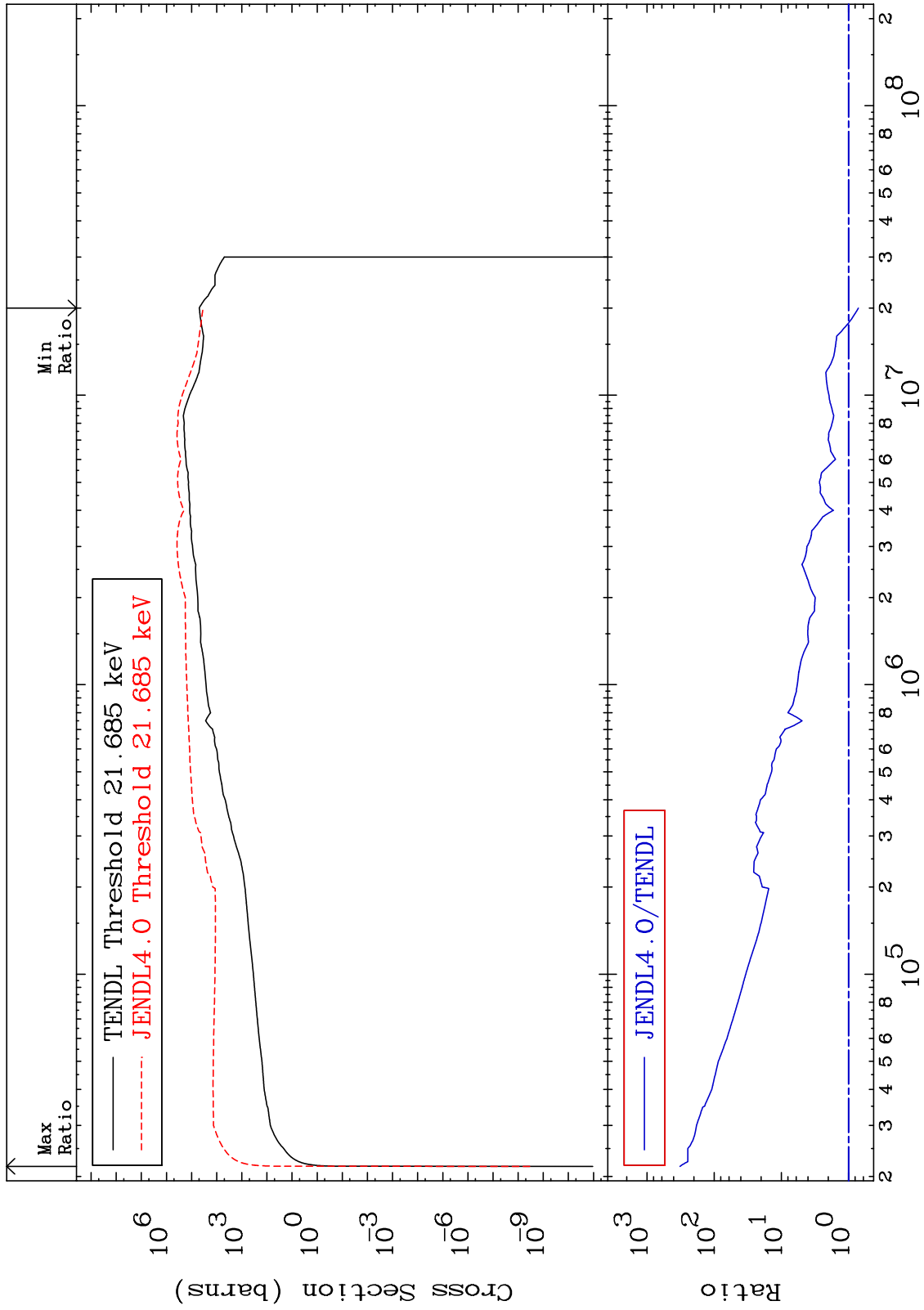
Incident Energy (eV)

63-Eu-151

MAT 6325

Kerma inelastic (mt51-91)
Cross Section

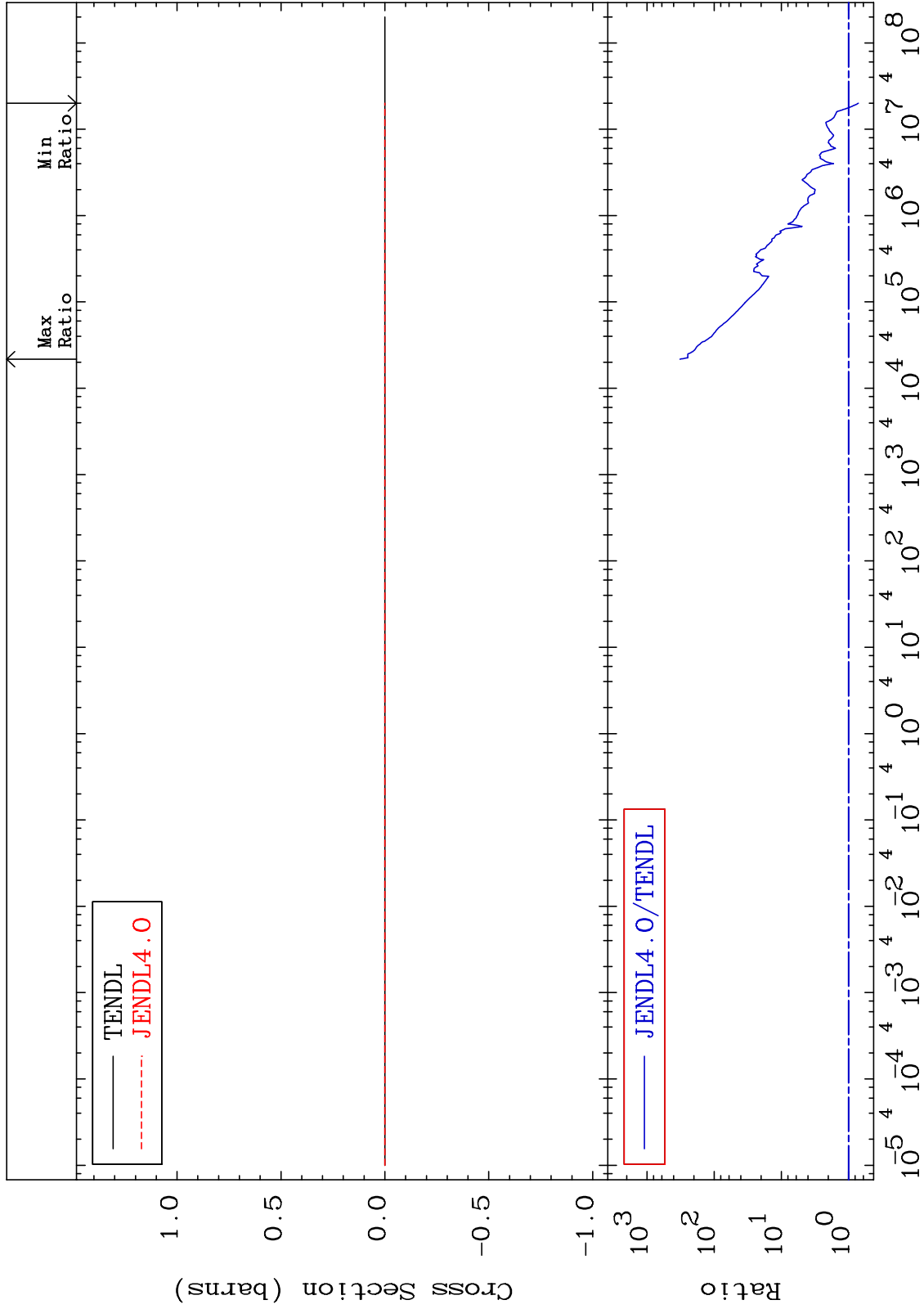
63-Eu-151
-28.75 To 9999. %



MAT 6325

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

63-Eu-151
-28.75 To 9999. %



58

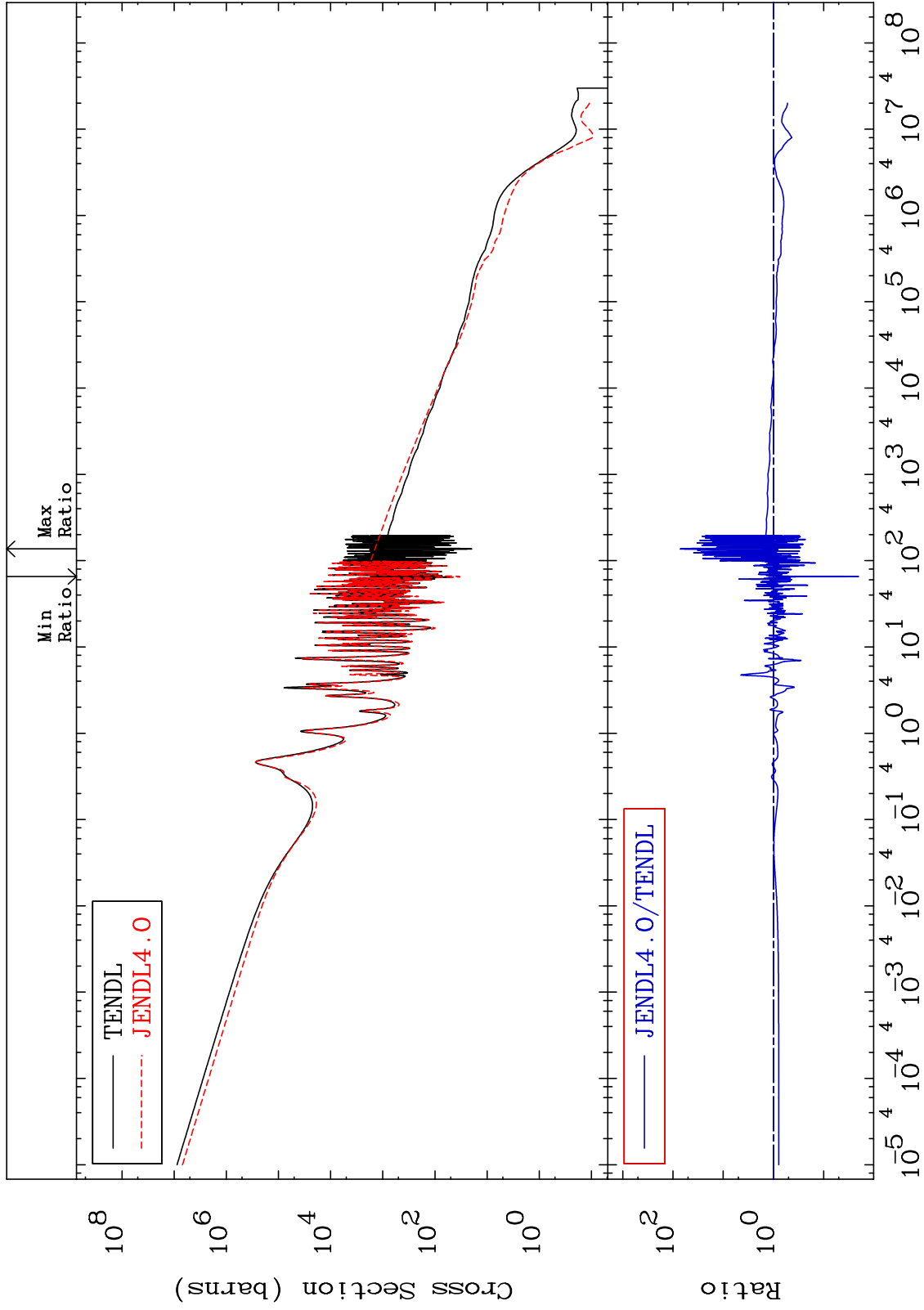
Incident Energy (eV)

63-Eu-151

MAT 6325

Kerma capture (mt102)
Cross Section

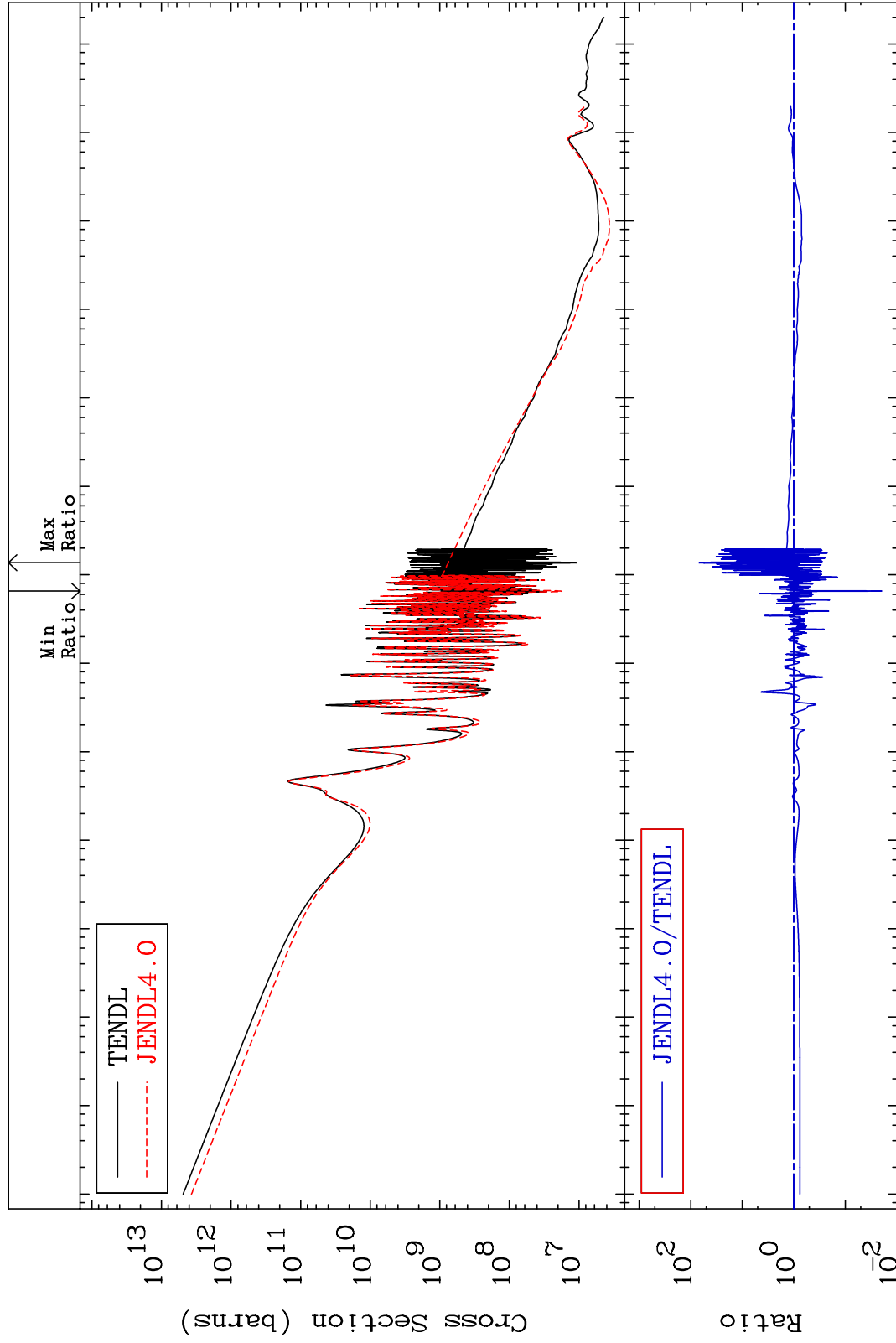
63-Eu-151
-97.97 To 7139. %



MAT 6325

Total photon (eV-barns)
Cross Section

63-Eu-151
-98.03 To 6905. %



60

Incident Energy (eV)

63-Eu-151

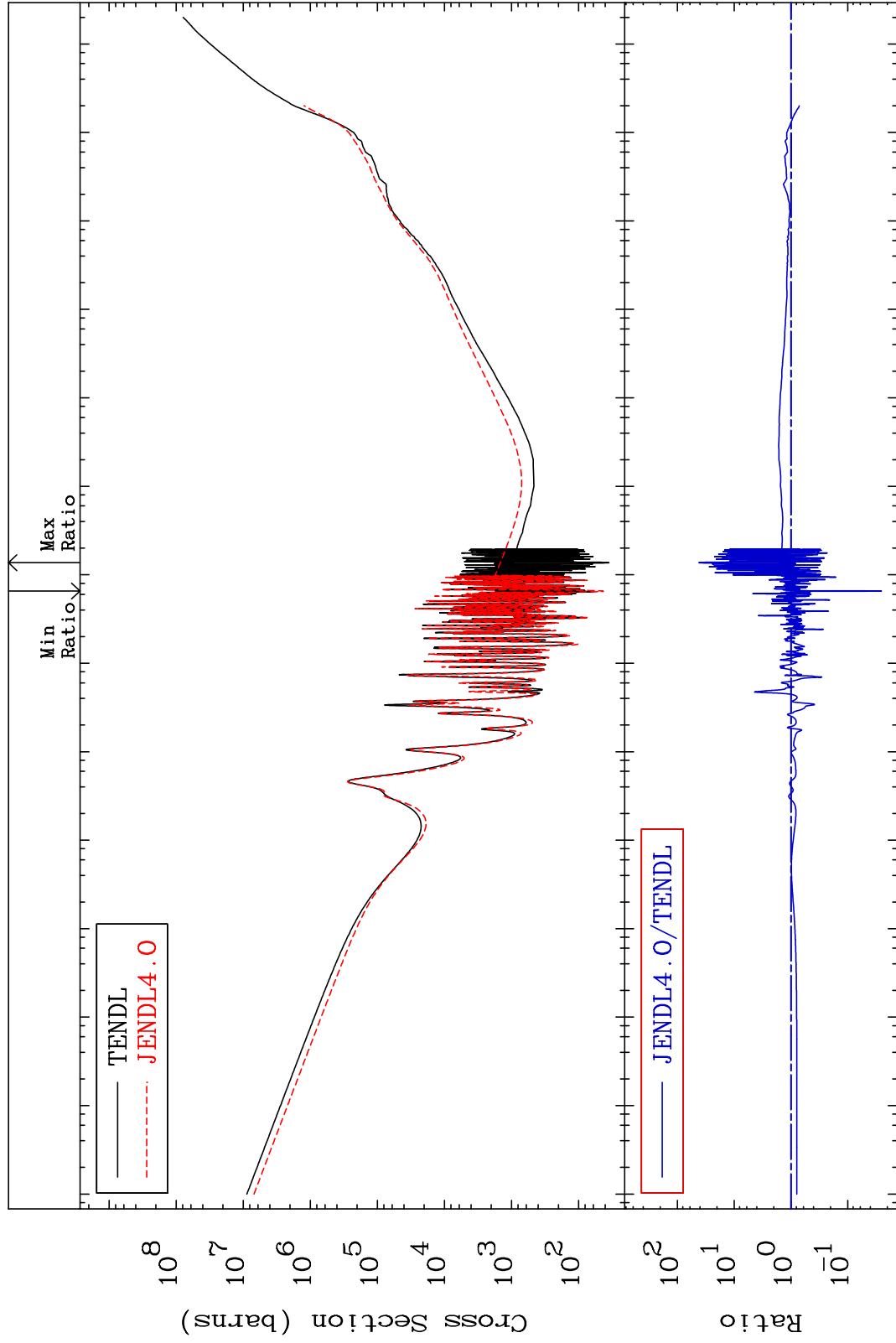
MAT 6325

Total kinematic kerma (high limit)

63-Eu-151

-97.47 To 4097. %

Cross Section



61

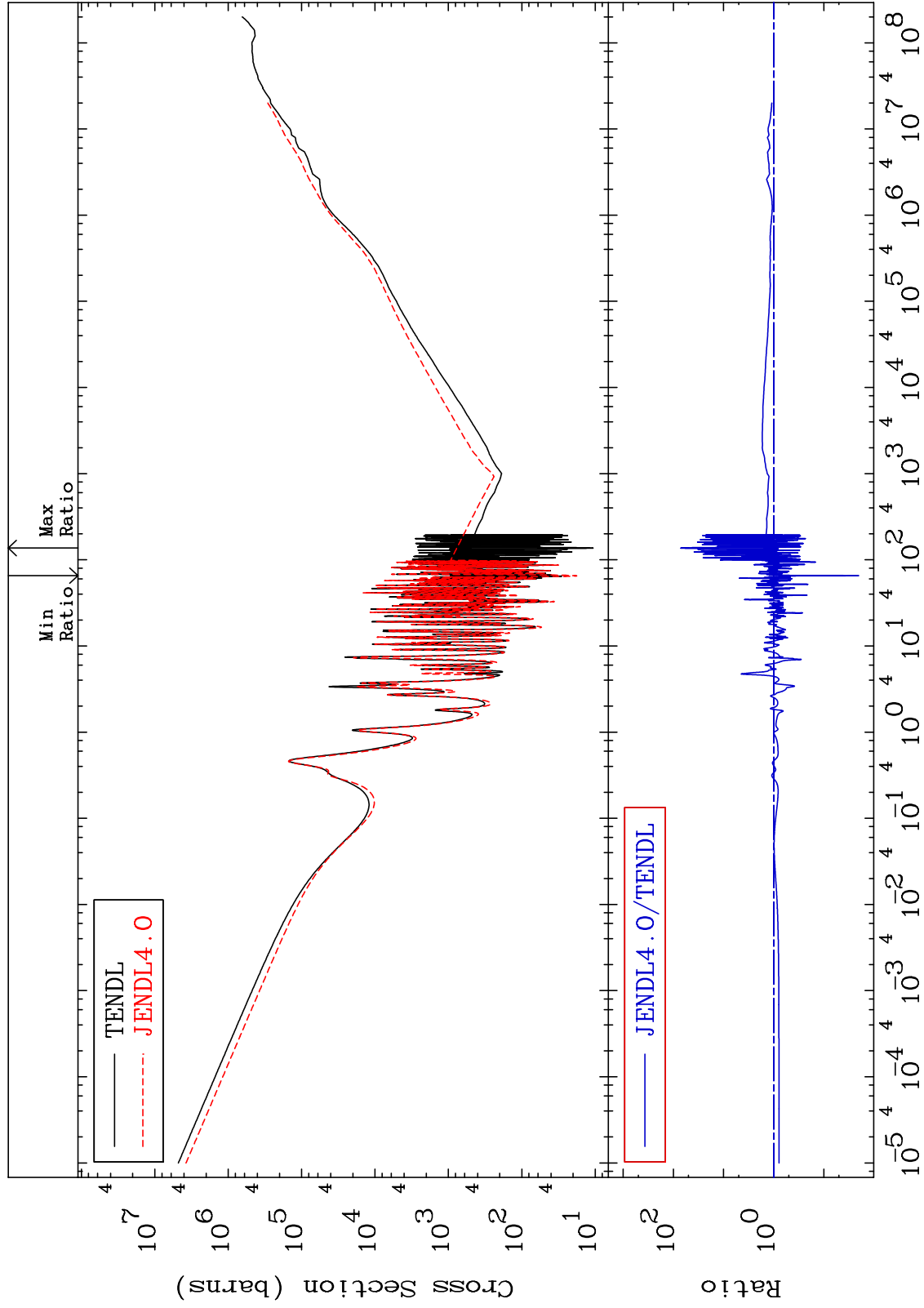
Incident Energy (eV)

63-Eu-151

MAT 6325

Dpa total (eV-barns)
Cross Section

63-Eu-151
-97.96 To 7123. %



62

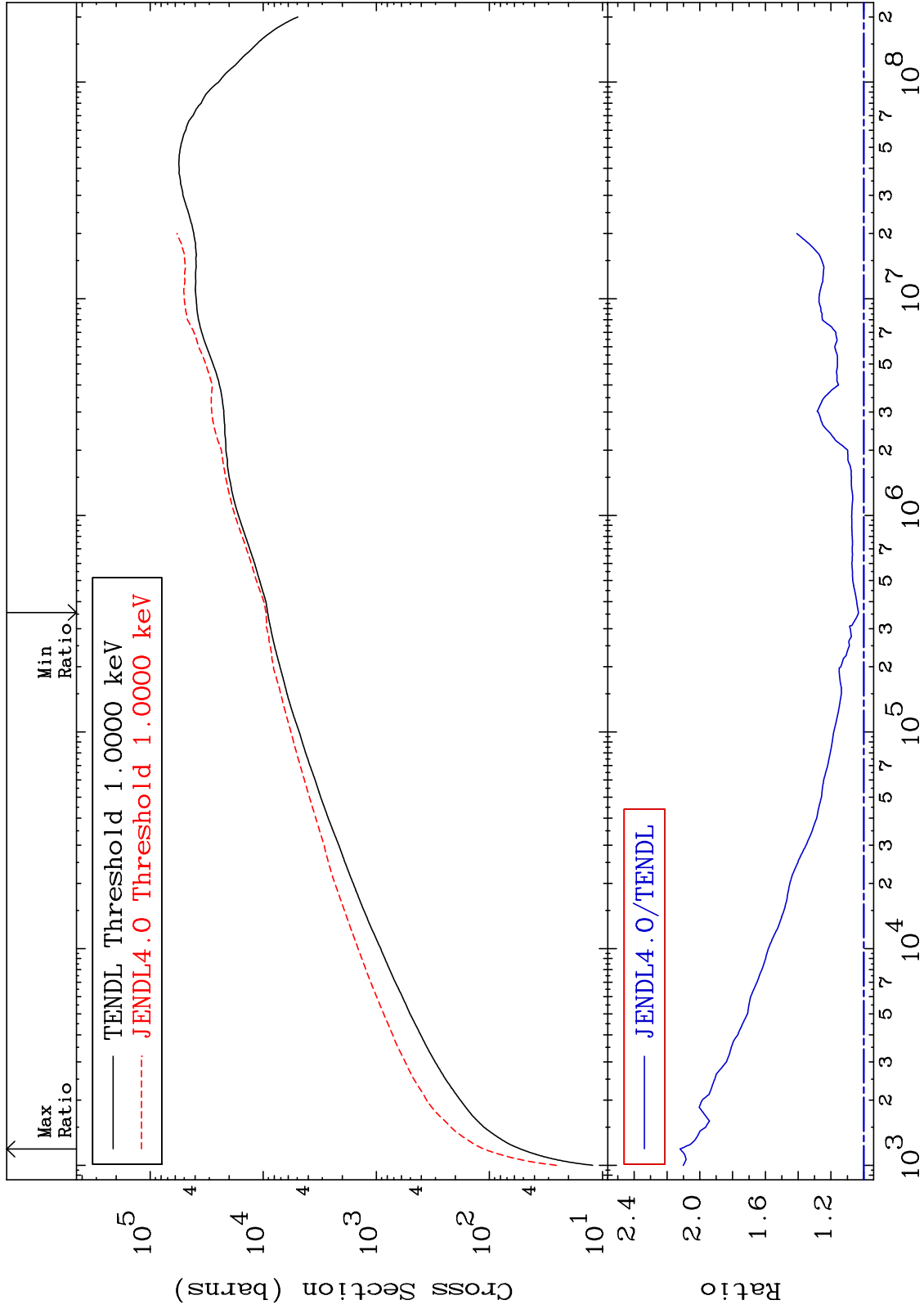
Incident Energy (eV)

63-Eu-151

MAT 6325

Dpa elastic (mt2)
Cross Section

63-Eu-151
3.270 To 112.1 %

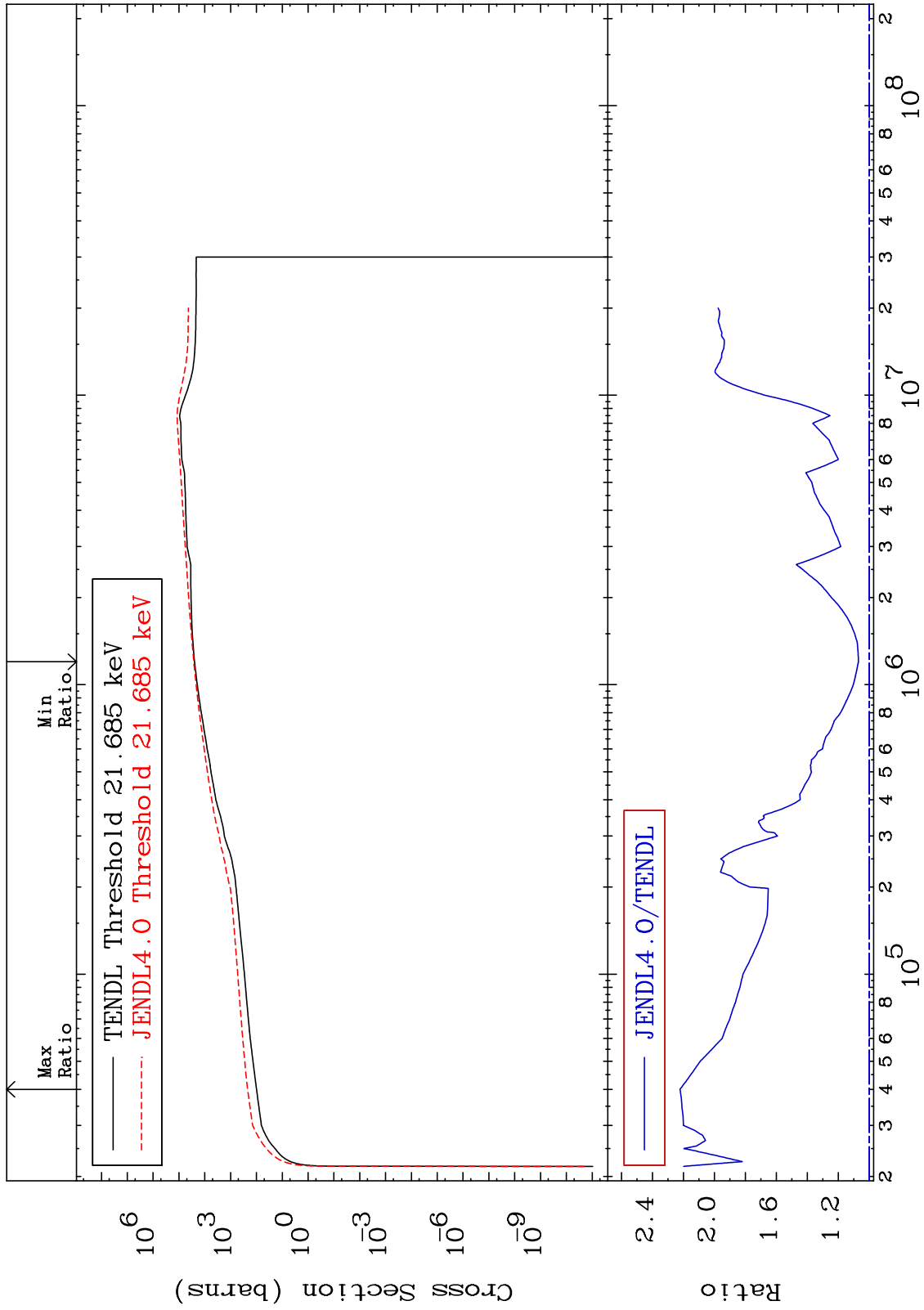


63

Incident Energy (eV)

63-Eu-151

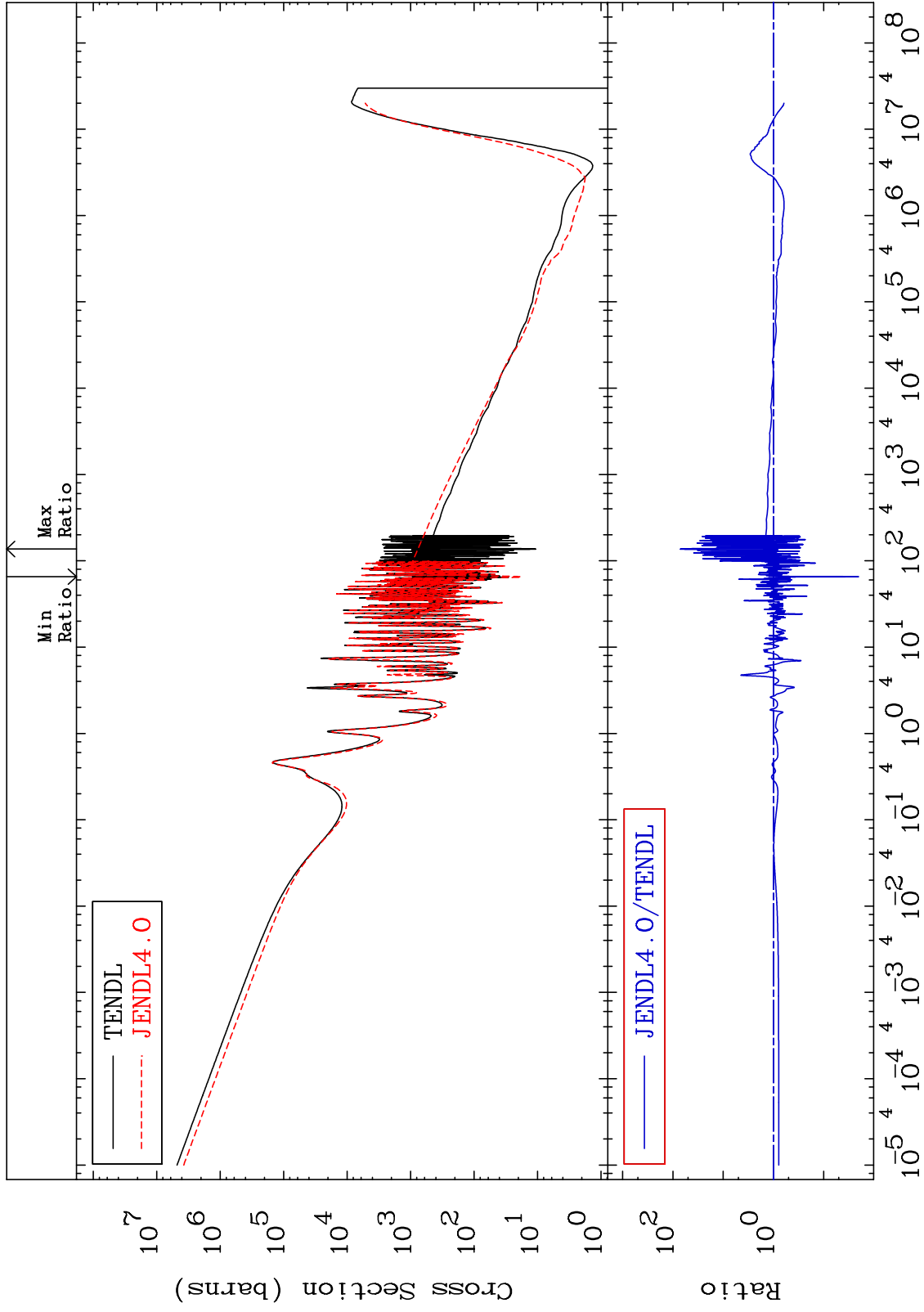
MAT 6325 Dpa inelastic (mt51-91) 63-Eu-151
 Cross Section 6.995 To 122.3 %



MAT 6325

Dpa disappearance (mt102 -120)
Cross Section

63-Eu-151
-97.96 To 7123. %



65

Incident Energy (eV)

63-Eu-151