

Program Complot
(Version 2018-1)

by

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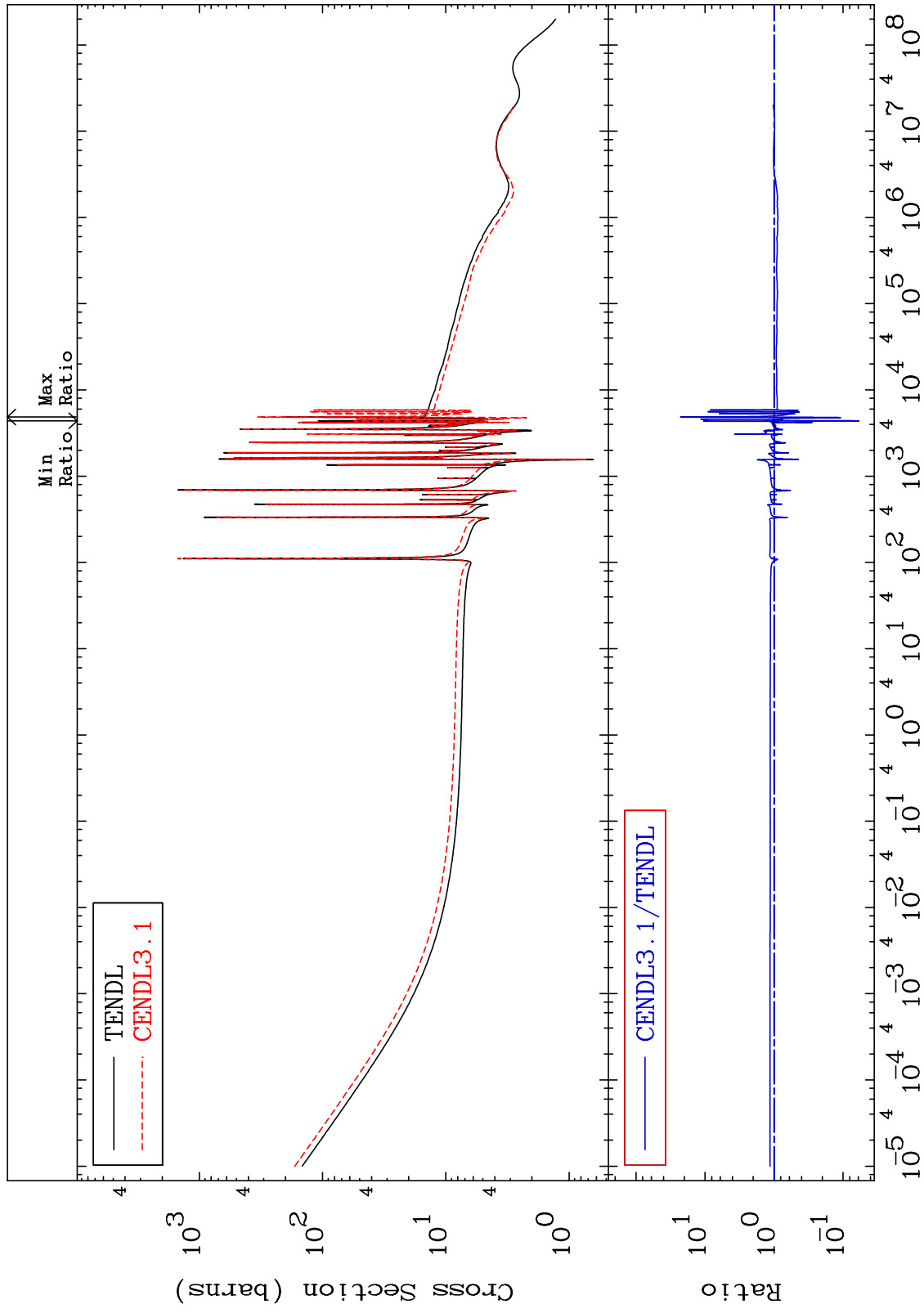
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3125

Total
Cross Section

31-Ga-69
-94.13 To 2157. %



1

Incident Energy (eV)

31-Ga-69

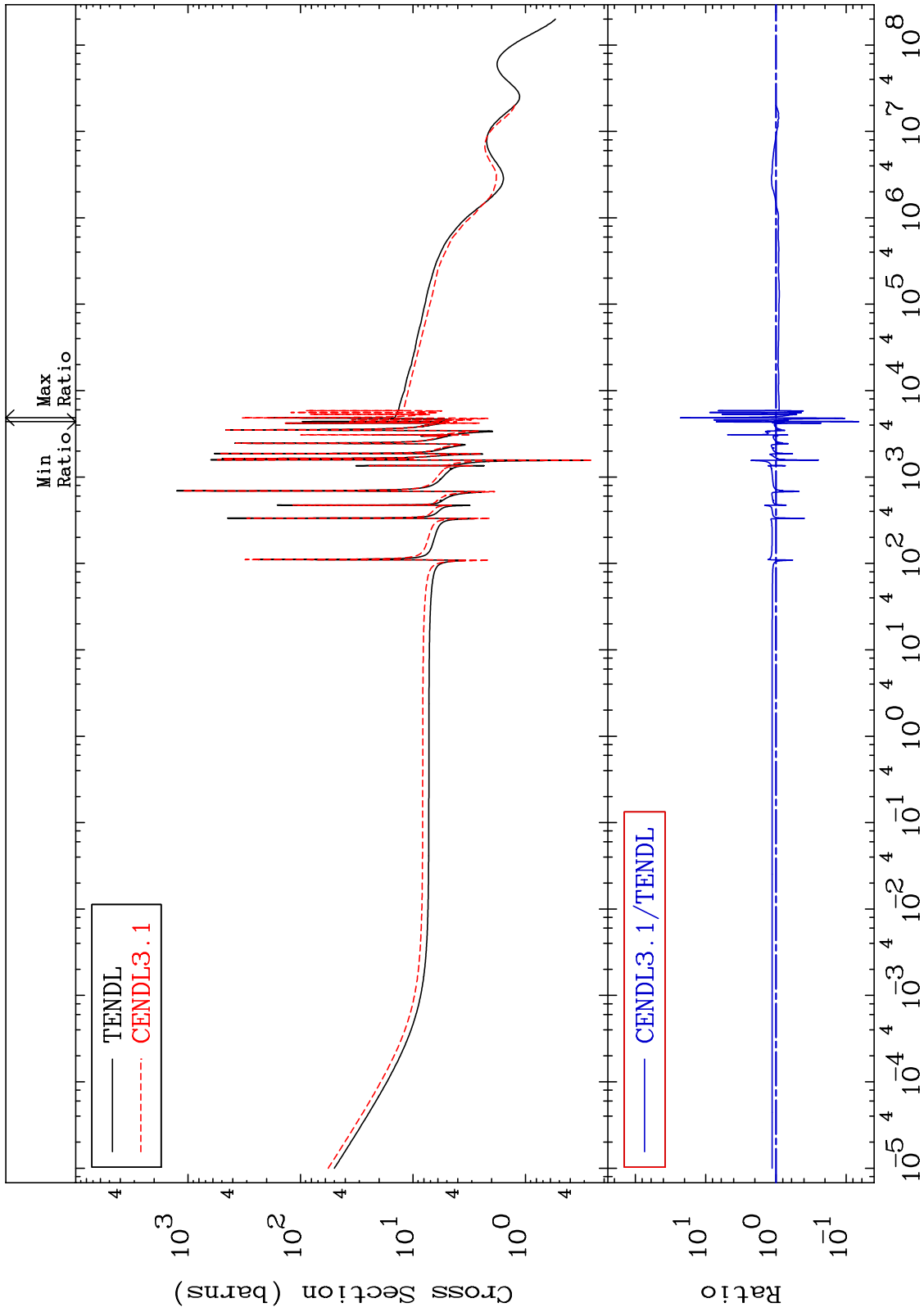
MAT 3125

Elastic

31-Ga-69

Cross Section

-93.40 To 2205. %

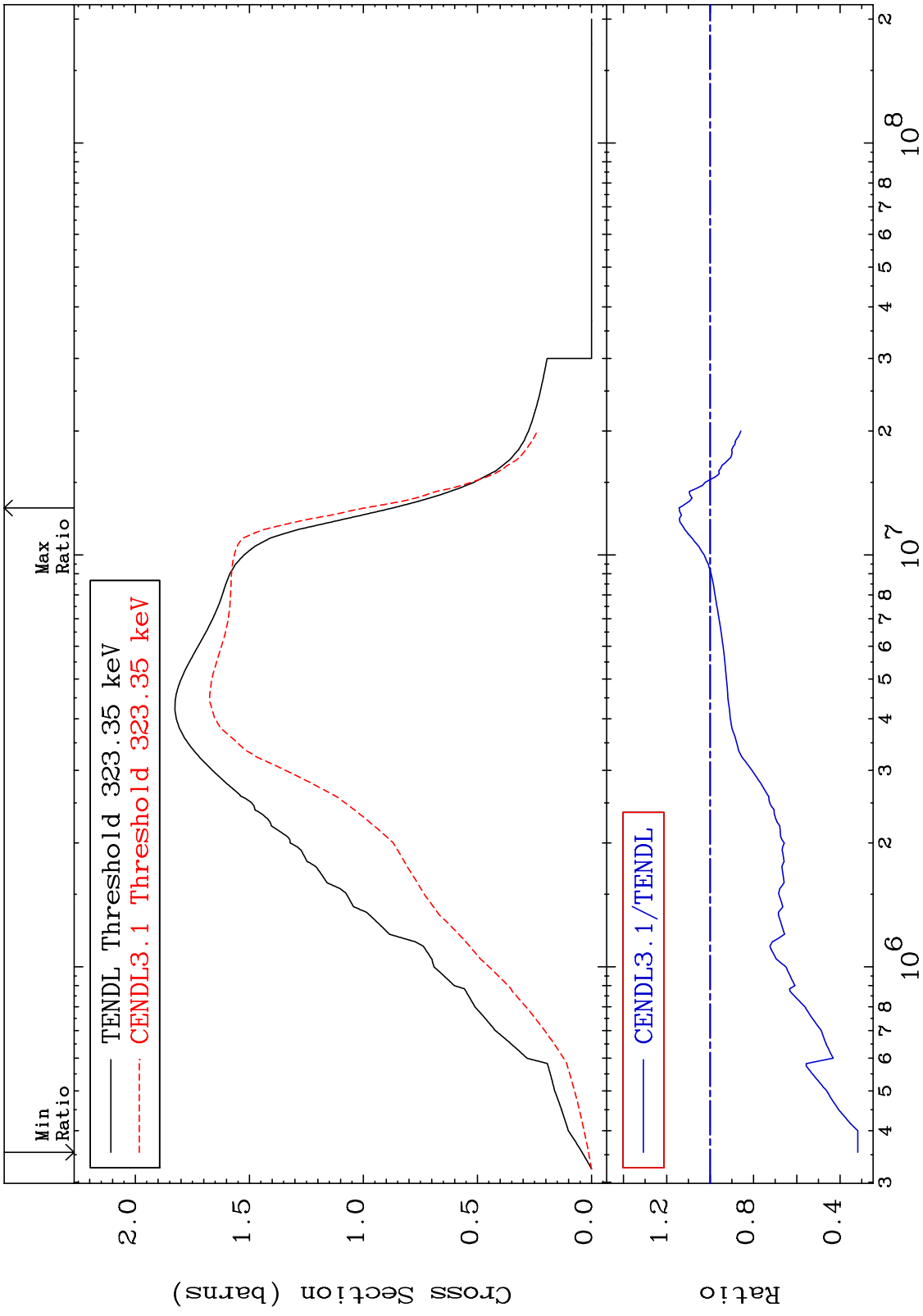


2

Incident Energy (eV)

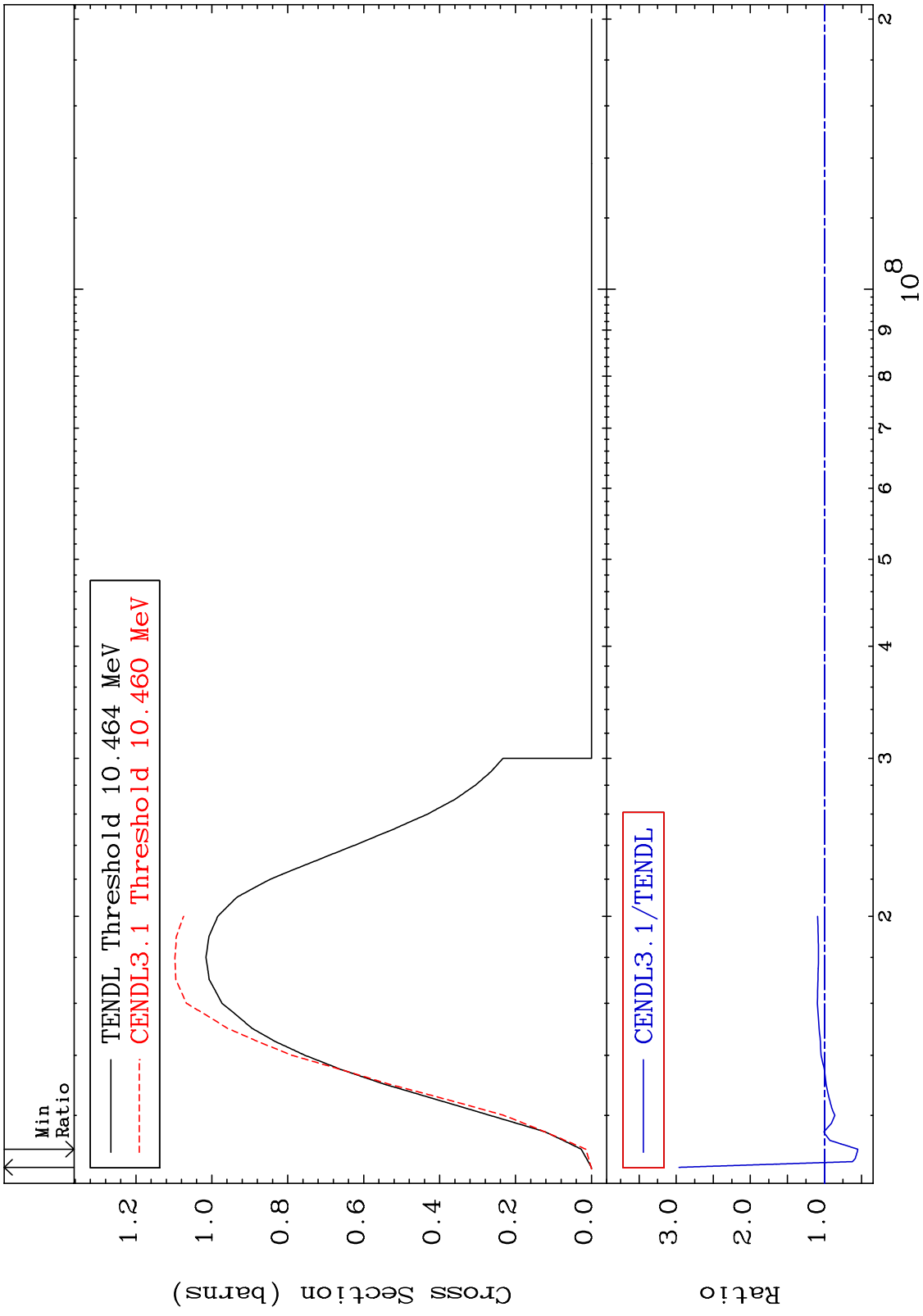
31-Ga-69

MAT 3125 31-Ga-69 -68.16 To 14.35 % Inelastic Cross Section

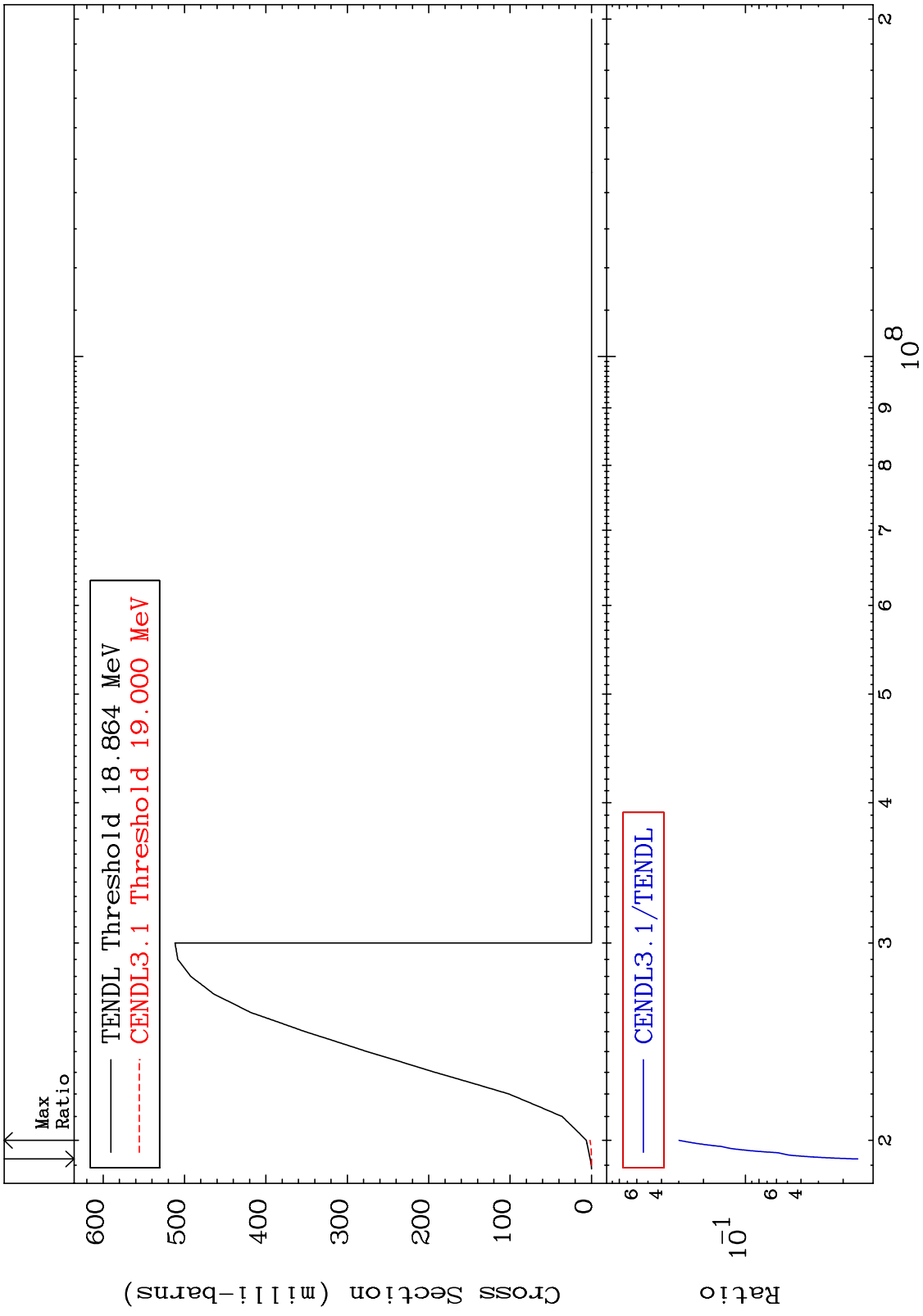


31-Ga-69

MAT 3125 (n,2n) Cross Section 31-Ga-69 -45.01 To 196.1 %

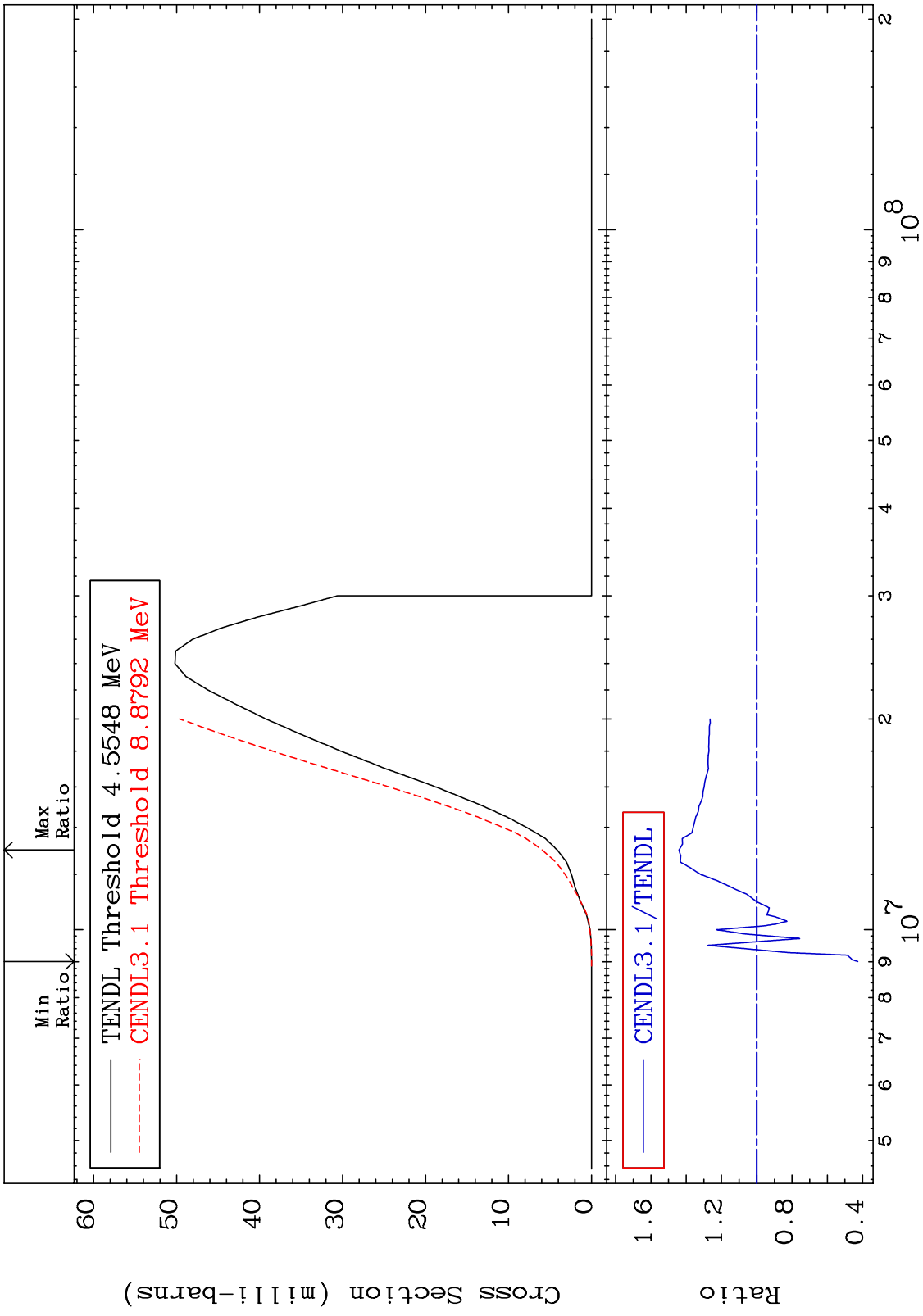


MAT 3125 $(n, 3n)$ Cross Section $^{31}\text{Ga-69}$ $-98.43\text{ To }-70.10\%$

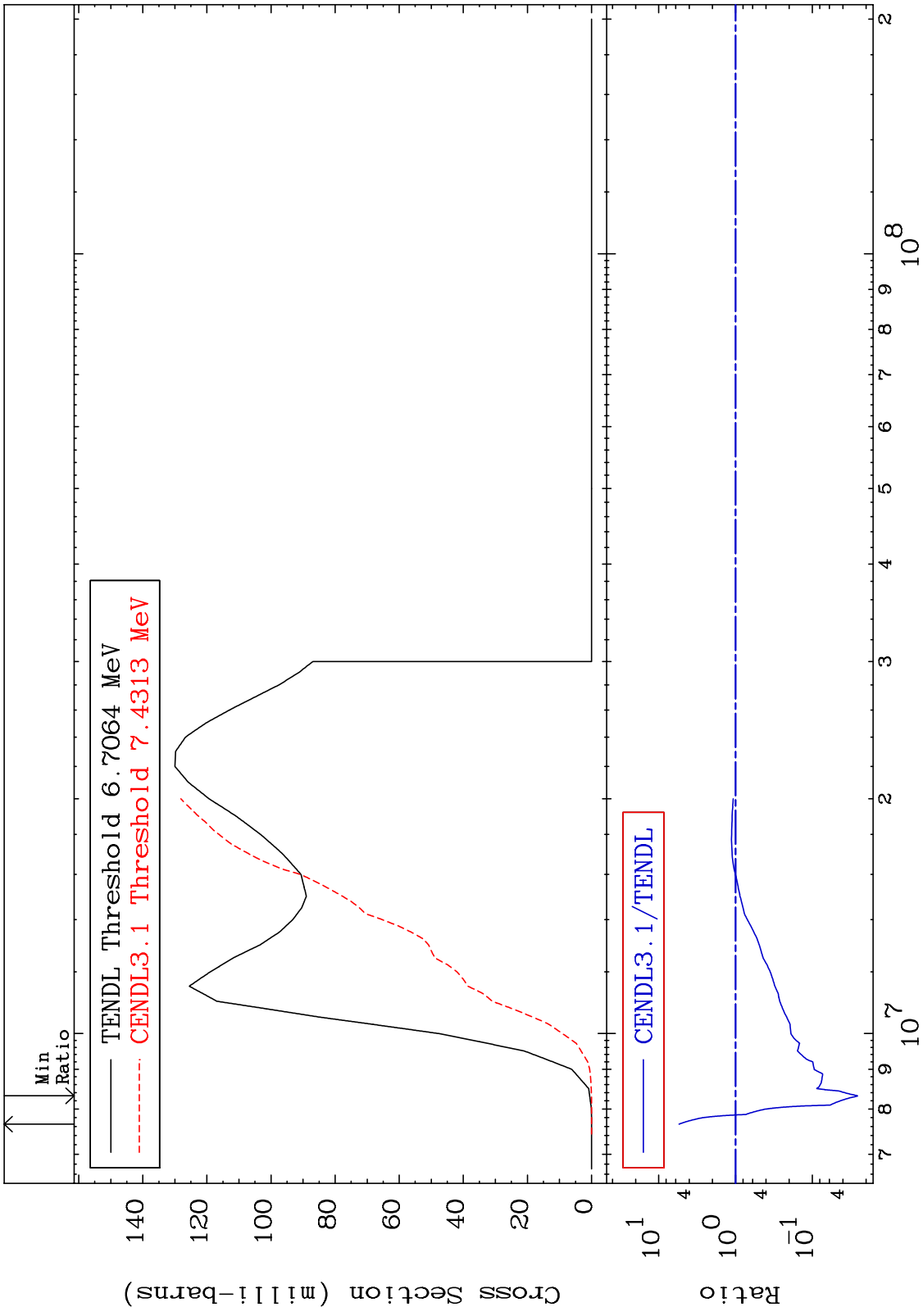


5 $^{31}\text{Ga-69}$

MAT 3125 $(n, n') \alpha$ 31-Ga-69
 Cross Section -57.30 To 44.06 %

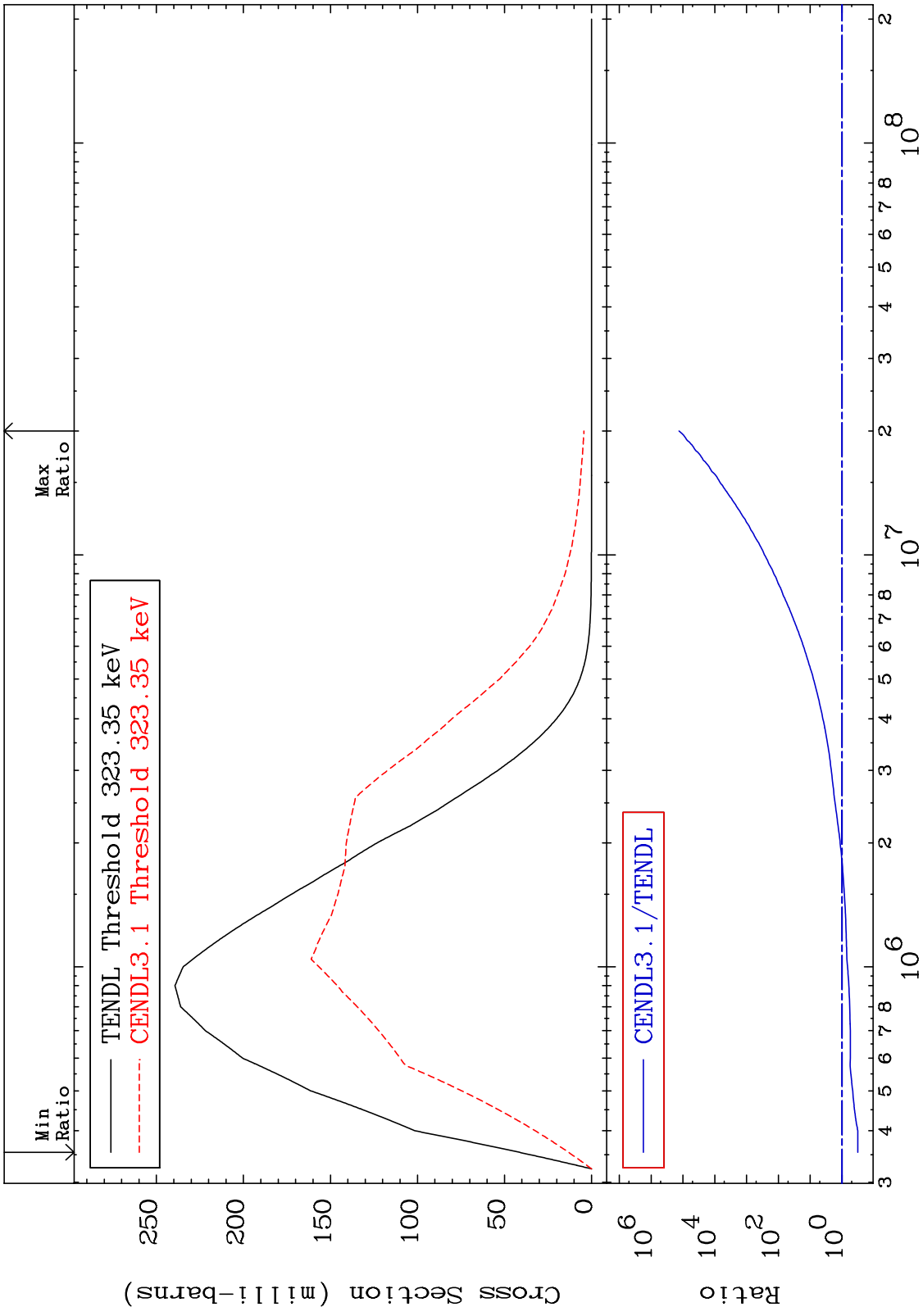


MAT 3125 (n,n') p 31-Ga-69
 Cross Section -97.44 To 443.5 %



31-Ga-69

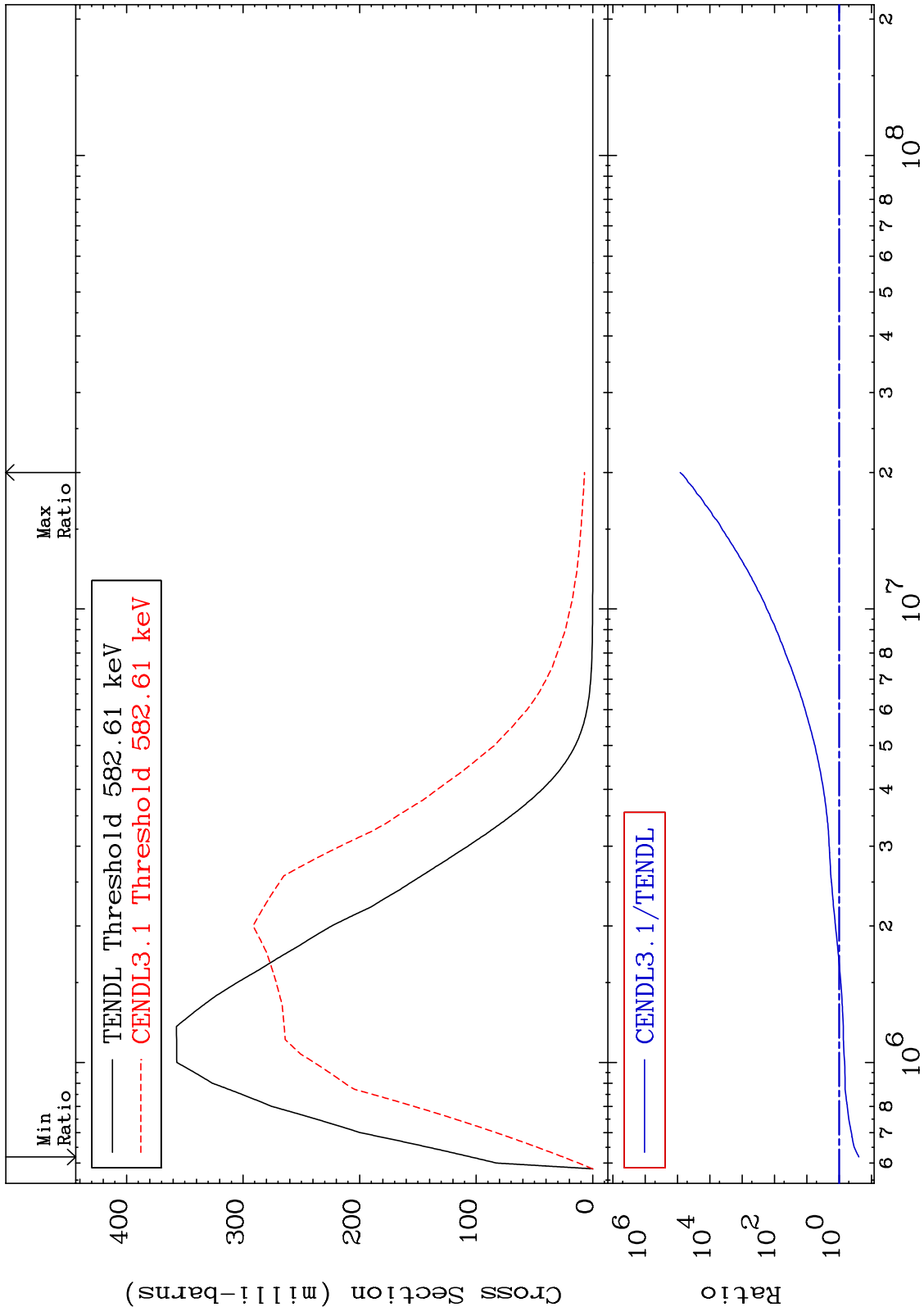
MAT 3125 MT= 51 (n,n') Level Cross Section 31-Ga-69 -68.16 To 9999. %



MAT 3125

MT= 52 (n,n') Level
Cross Section

31-Ga-69
-75.59 To 9999. %

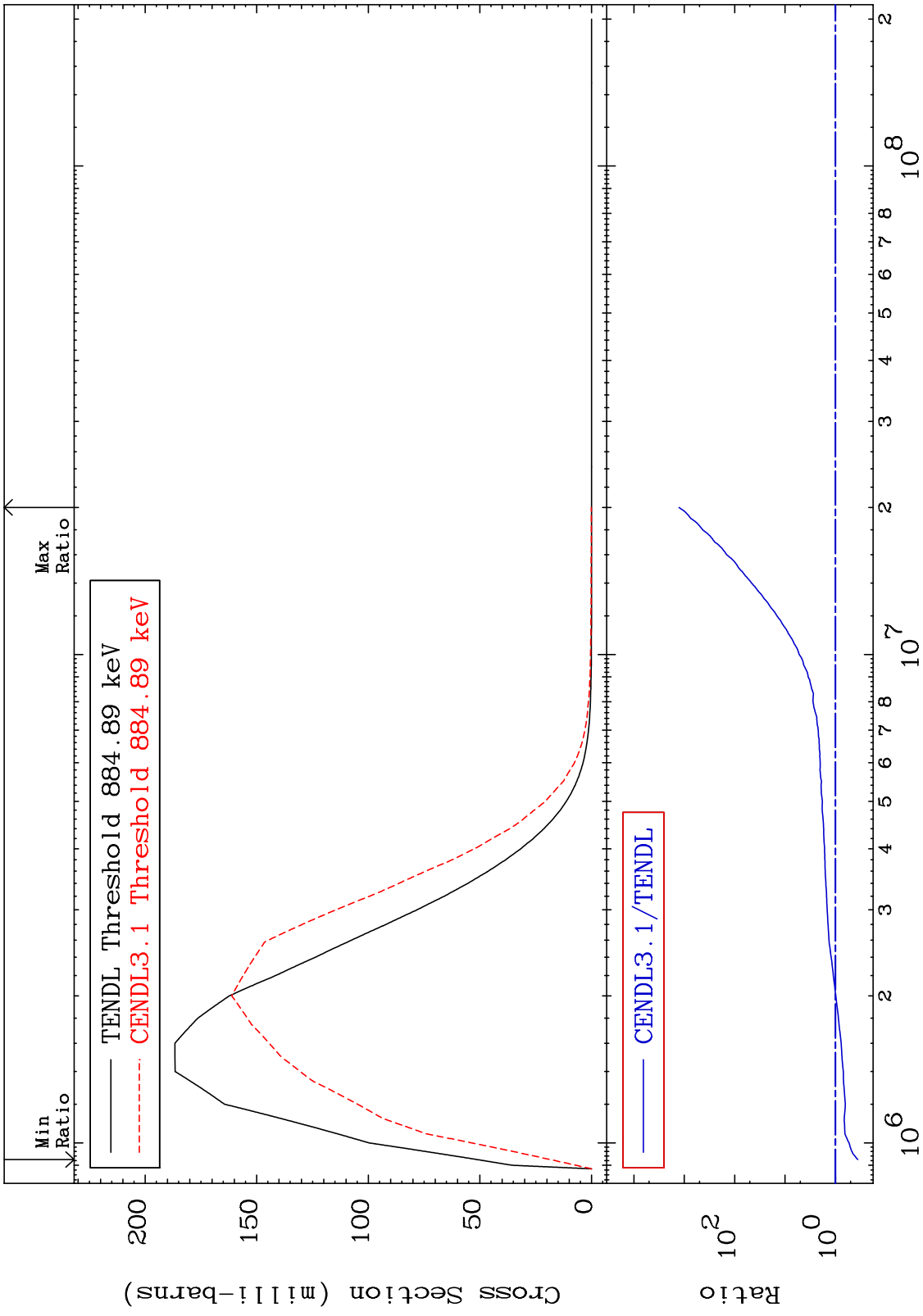


9

Incident Energy (eV)

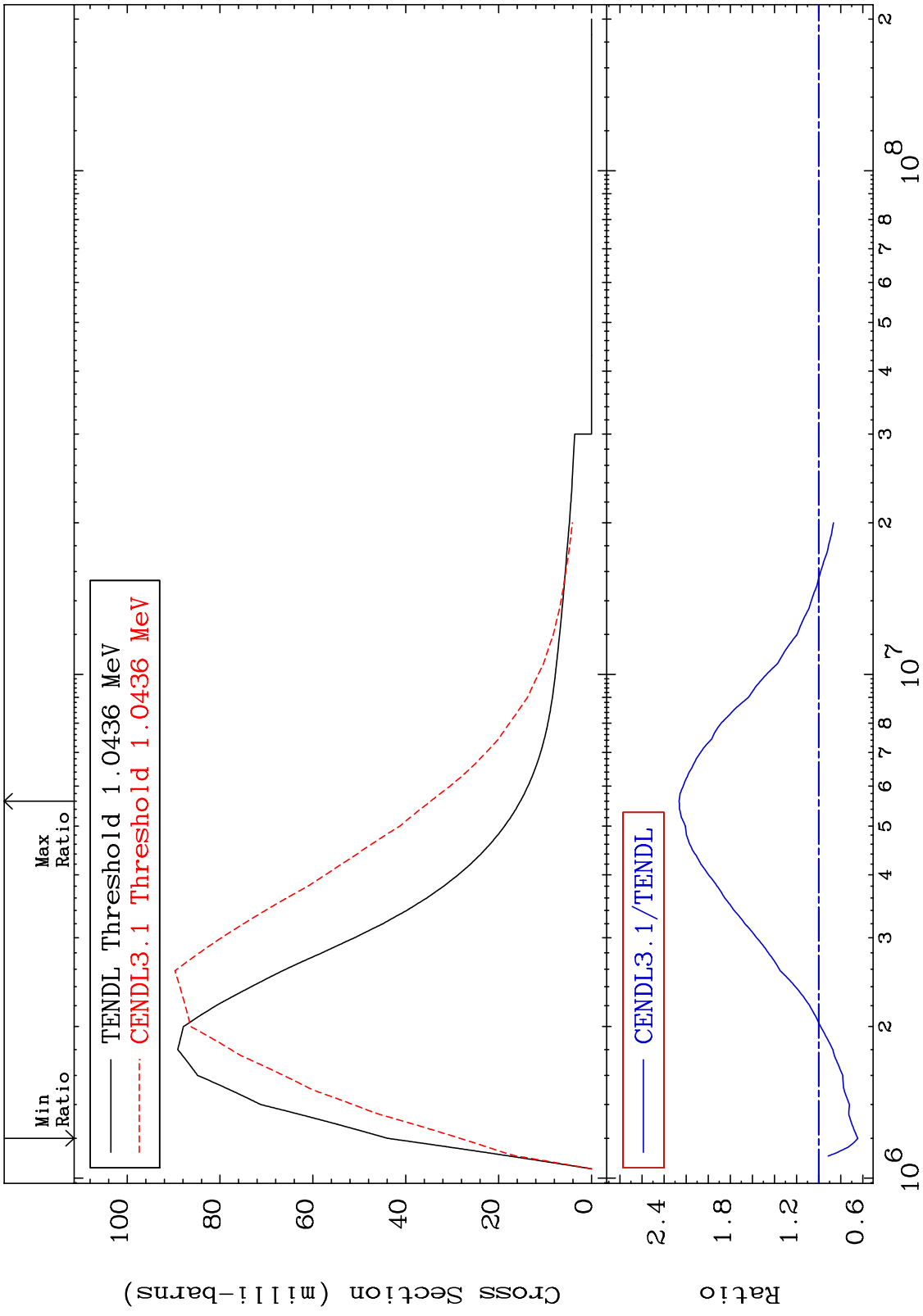
31-Ga-69

MAT 3125 MT= 53 (n,n') Level Cross Section 31-Ga-69 -63.97 To 9999. %

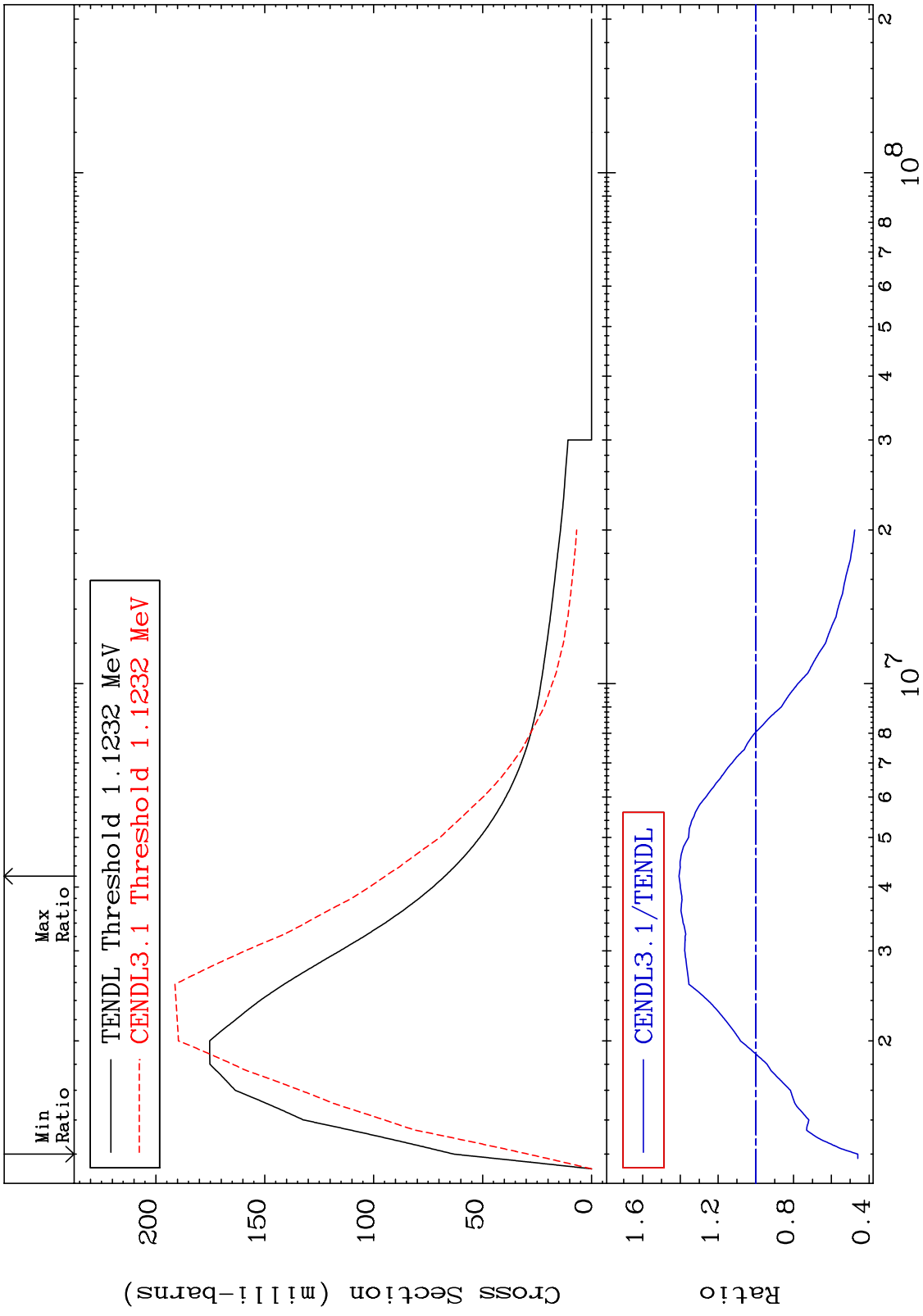


31-Ga-69

MAT 3125 MT= 54 (n,n') Level Cross Section 31-Ga-69 -35.51 To 126.4 %



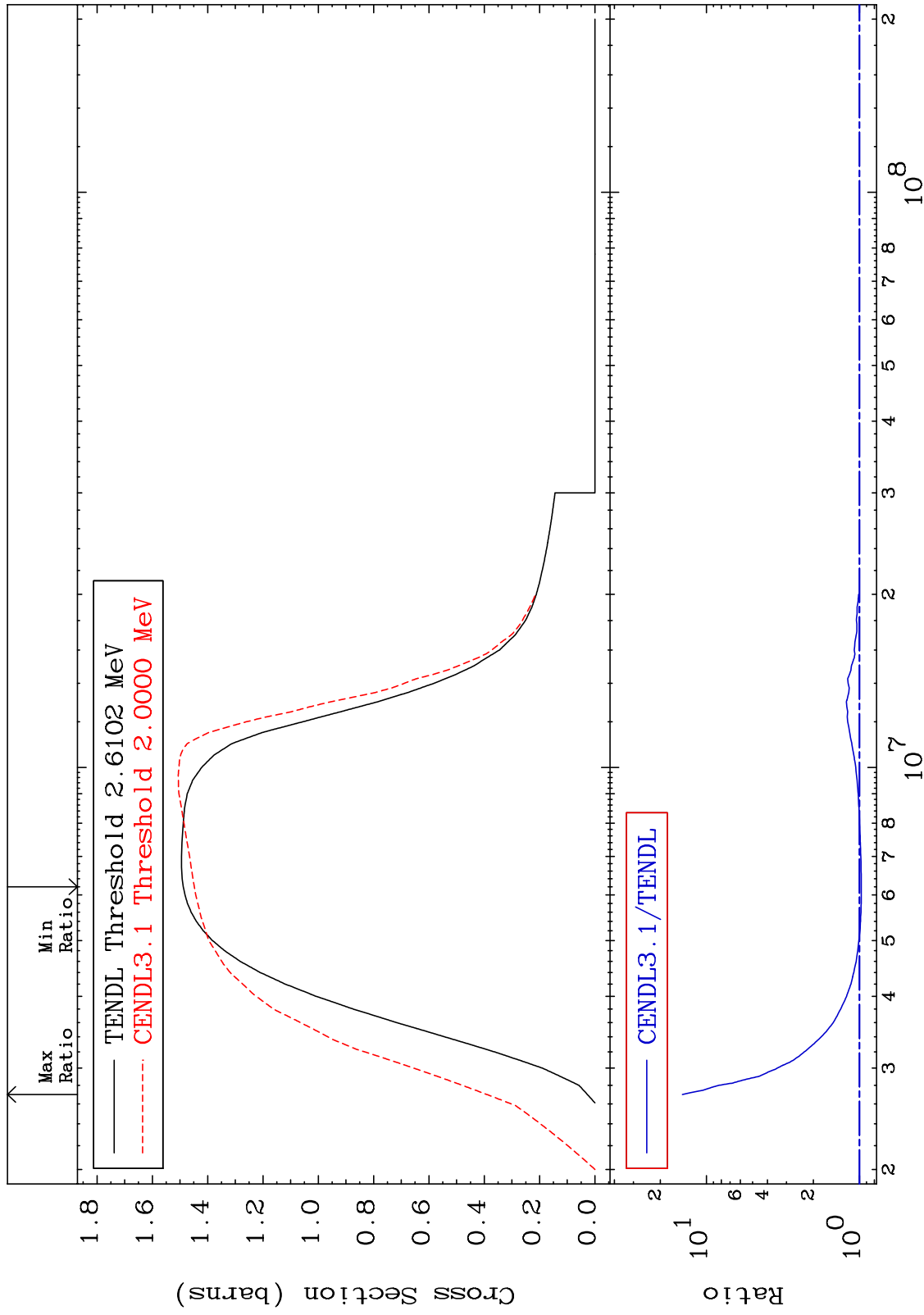
MAT 3125 MT= 55 (n,n') Level Cross Section 31-Ga-69 -54.03 To 40.71 %



MAT 3125

(n, n') Continuum
Cross Section

31-Ga-69
-2.696 To 1335. %



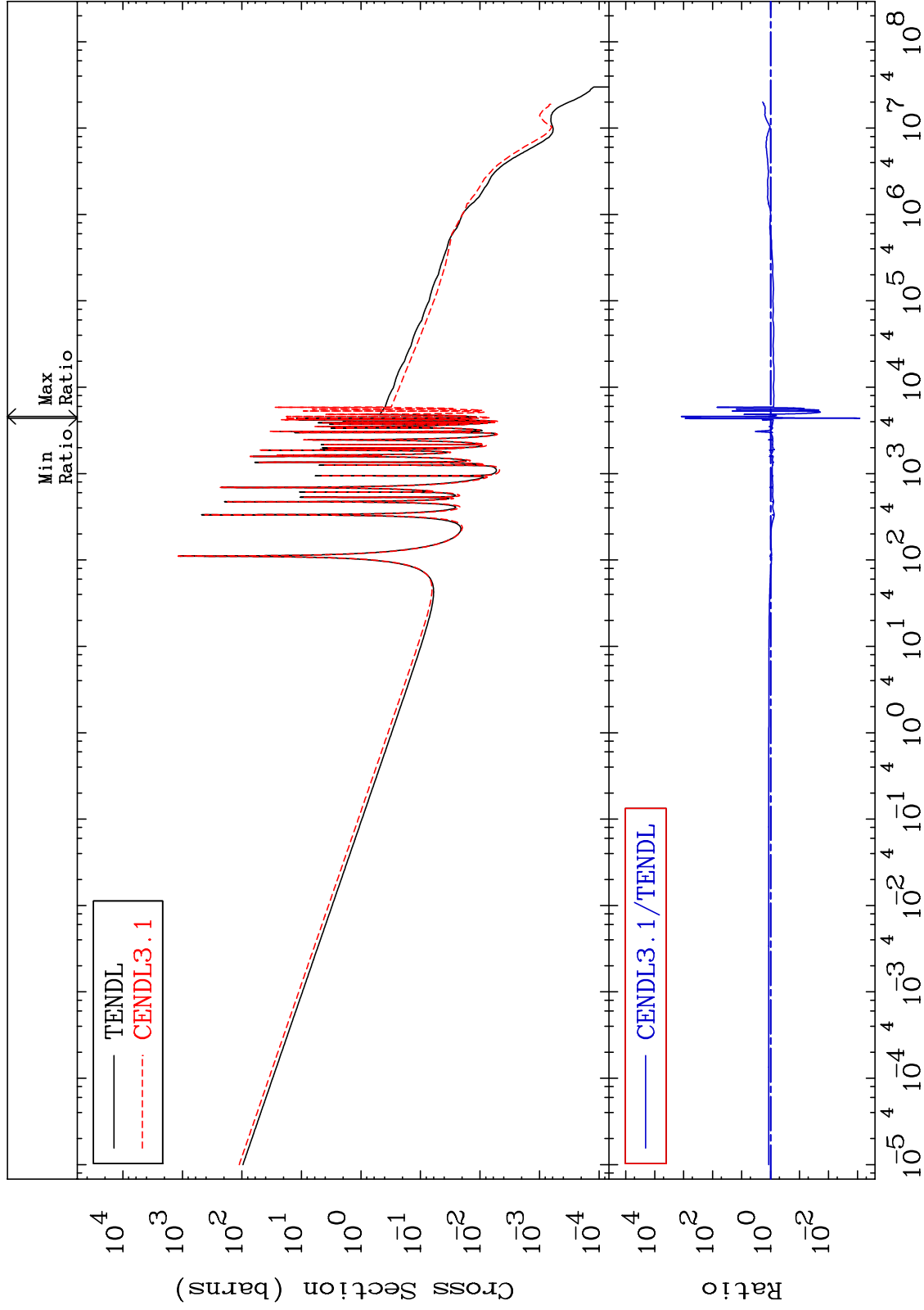
MAT 3125

(n, γ)

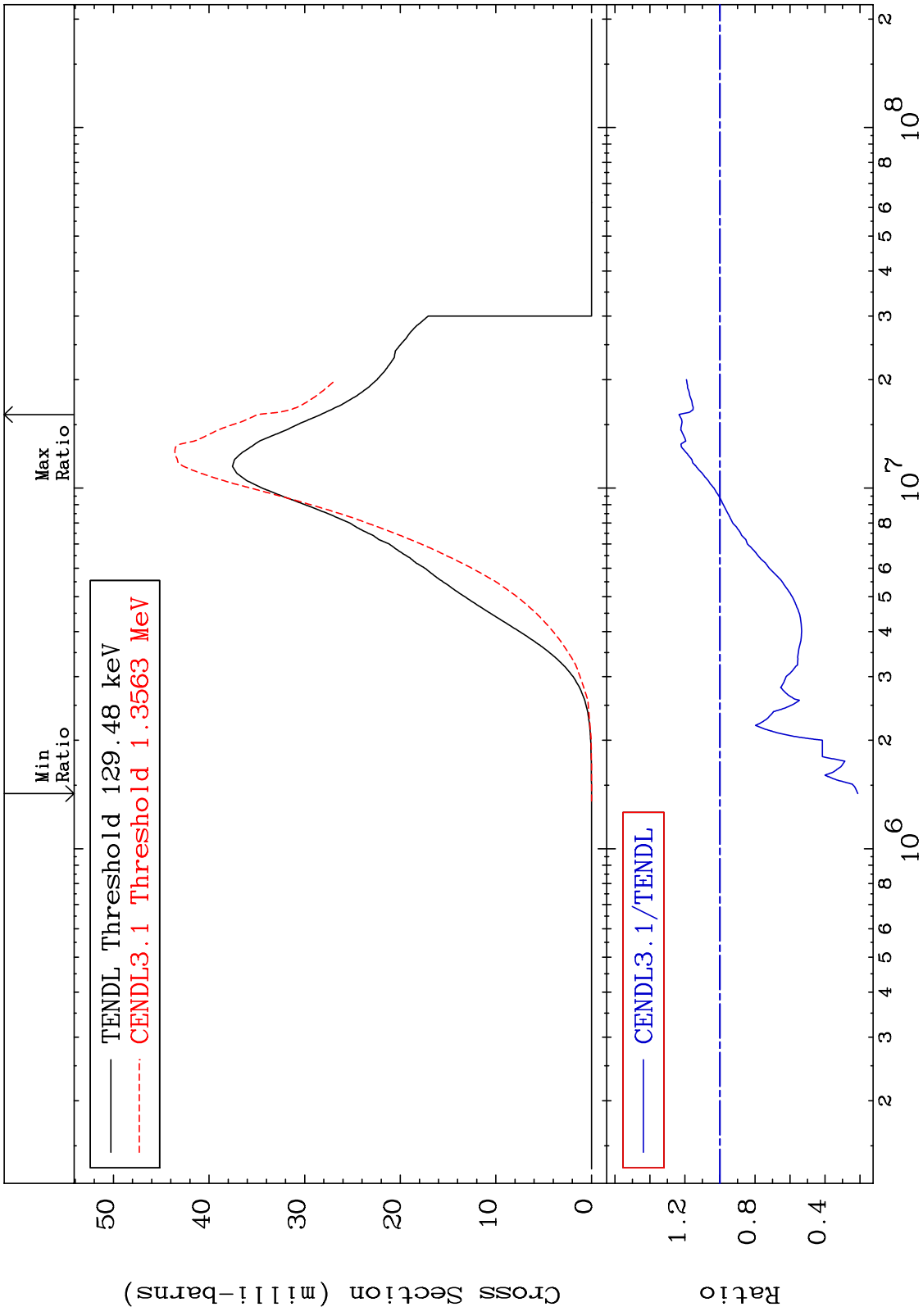
31-Ga-69

Cross Section

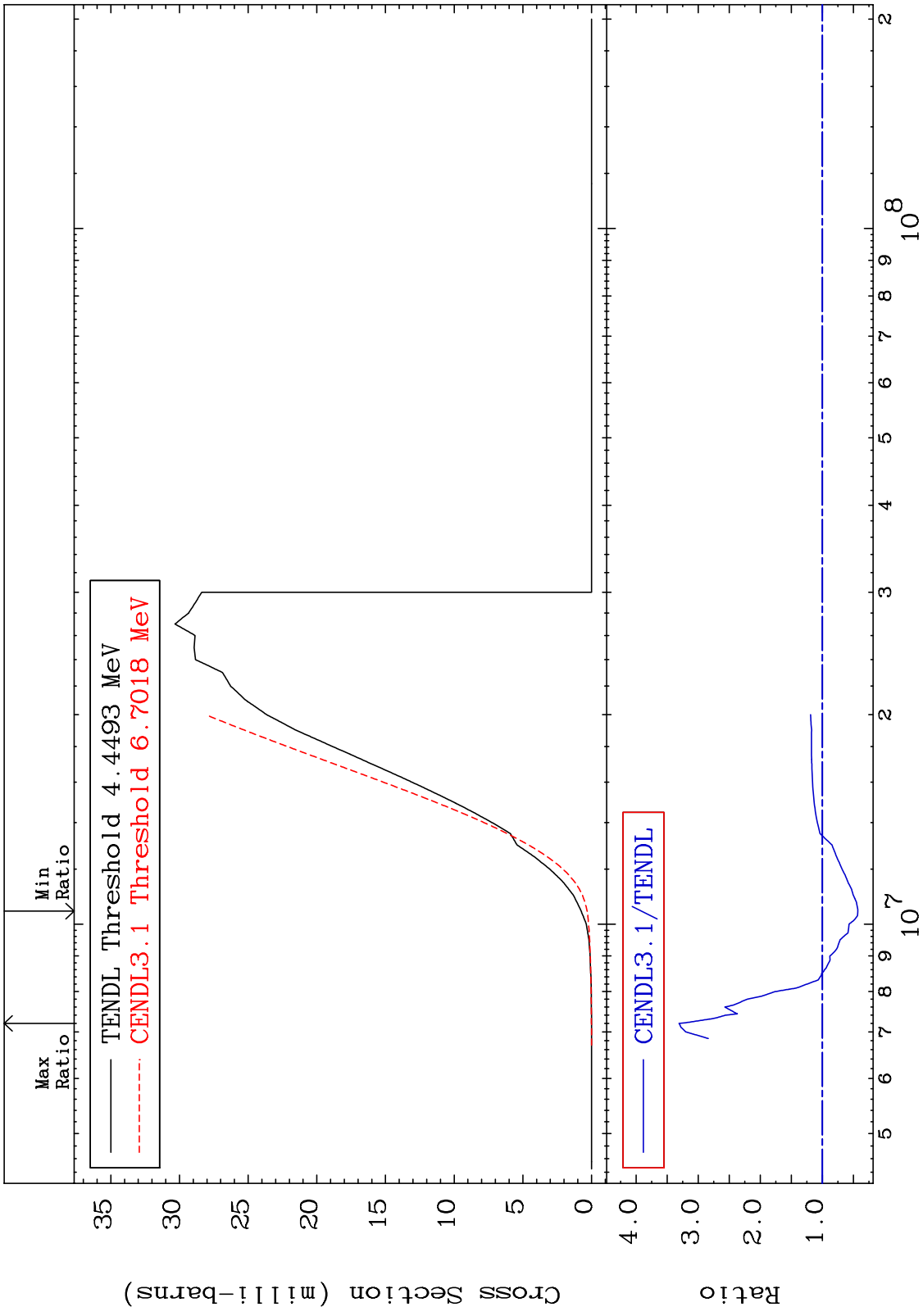
-99.92 To 9999. %



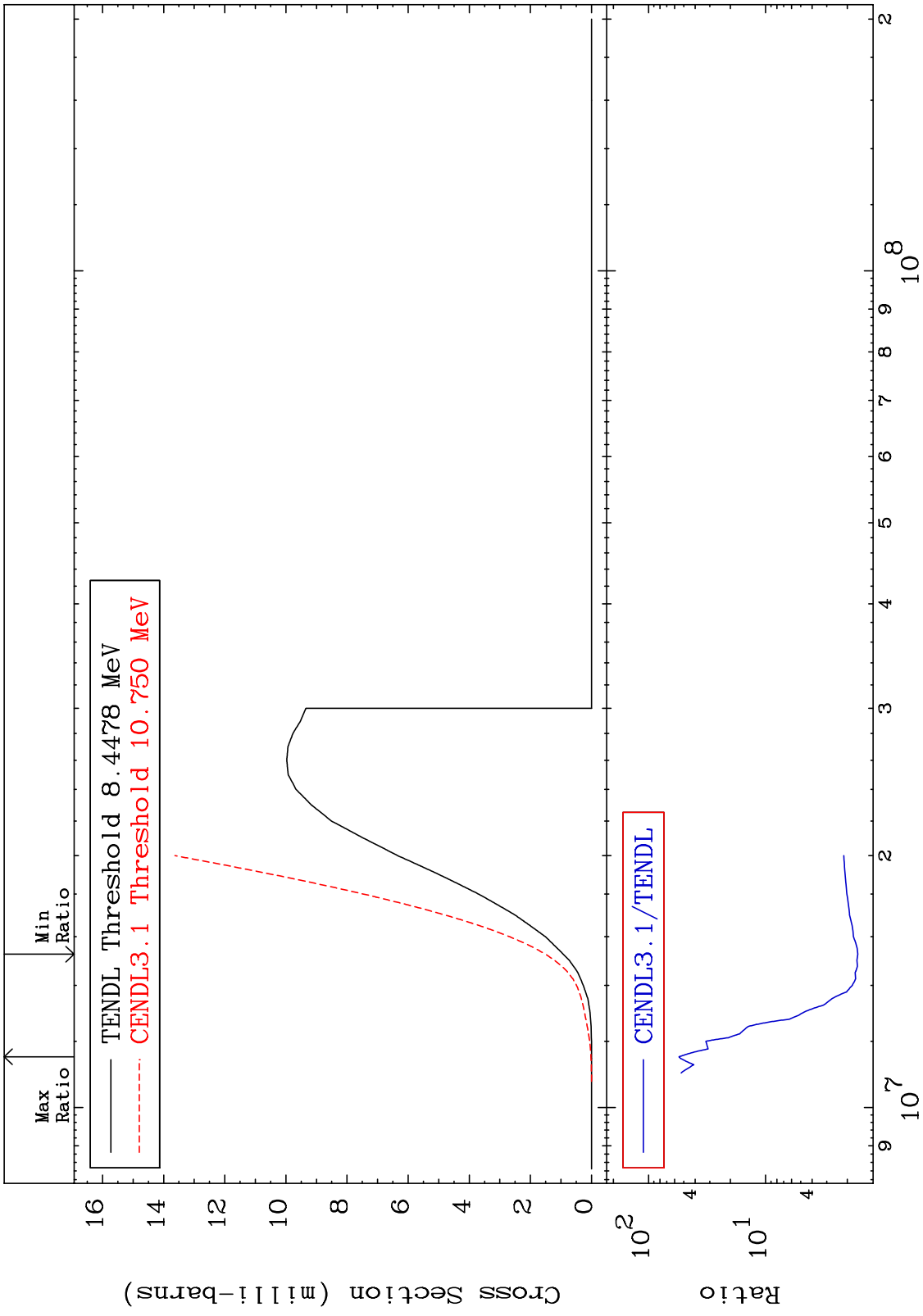
MAT 3125 (n,p) Cross Section 31-Ga-69 -78.75 To 23.36 %



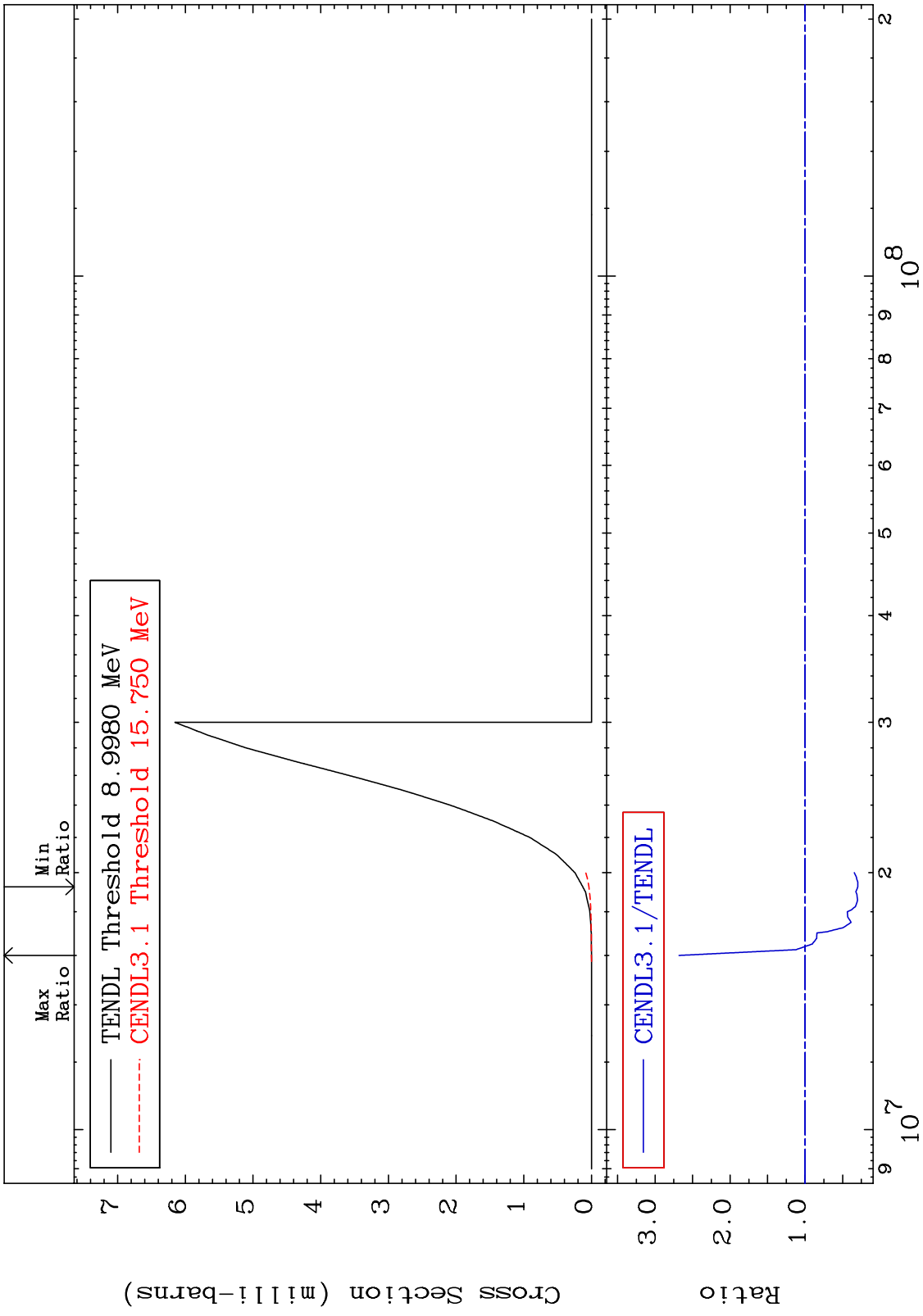
MAT 3125 (n,d) Cross Section 31-Ga-69 -57.13 To 230.8 %



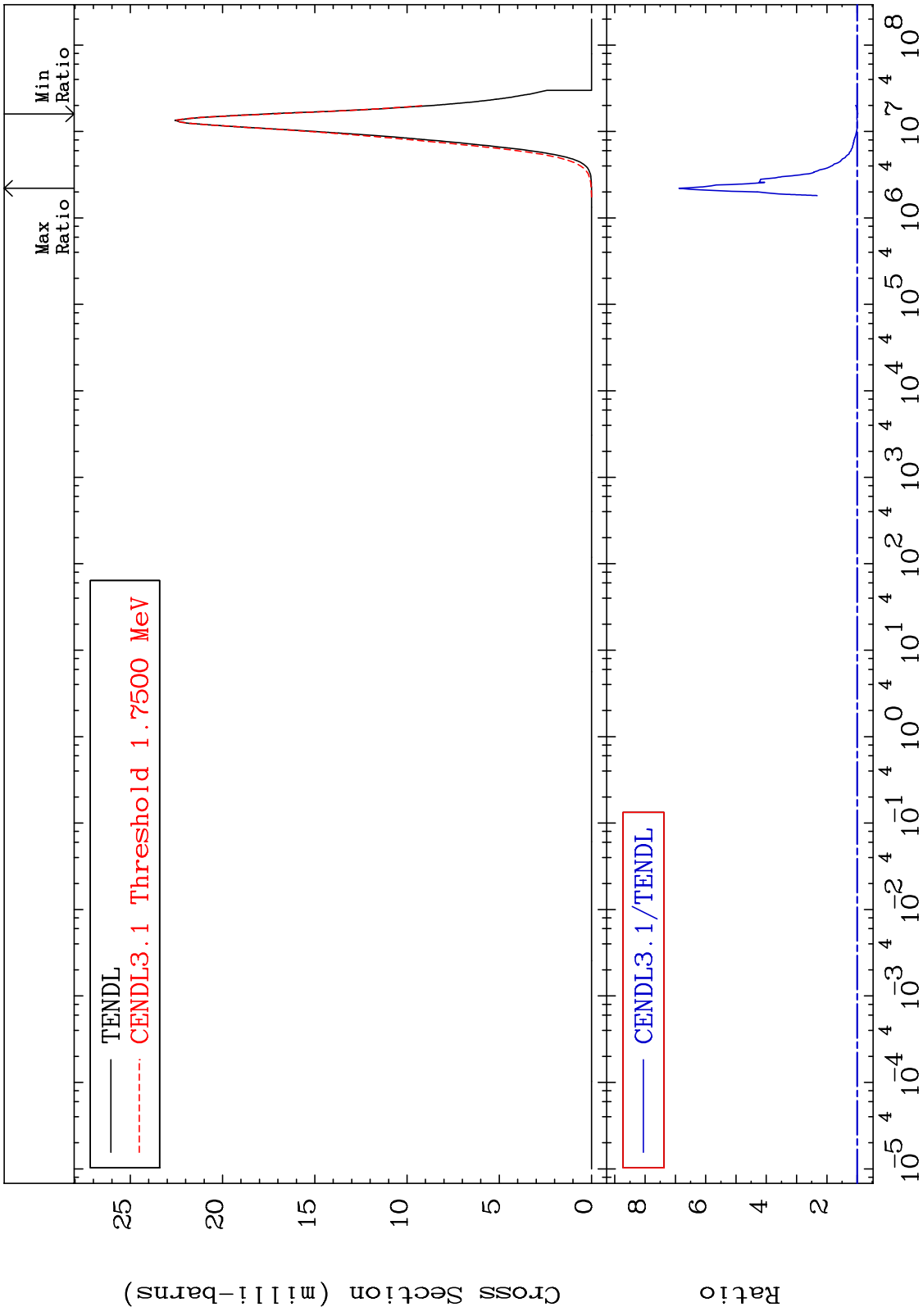
MAT 3125 (n,t) 31-Ga-69
 Cross Section 62.80 To 5388. %



17 31-Ga-69

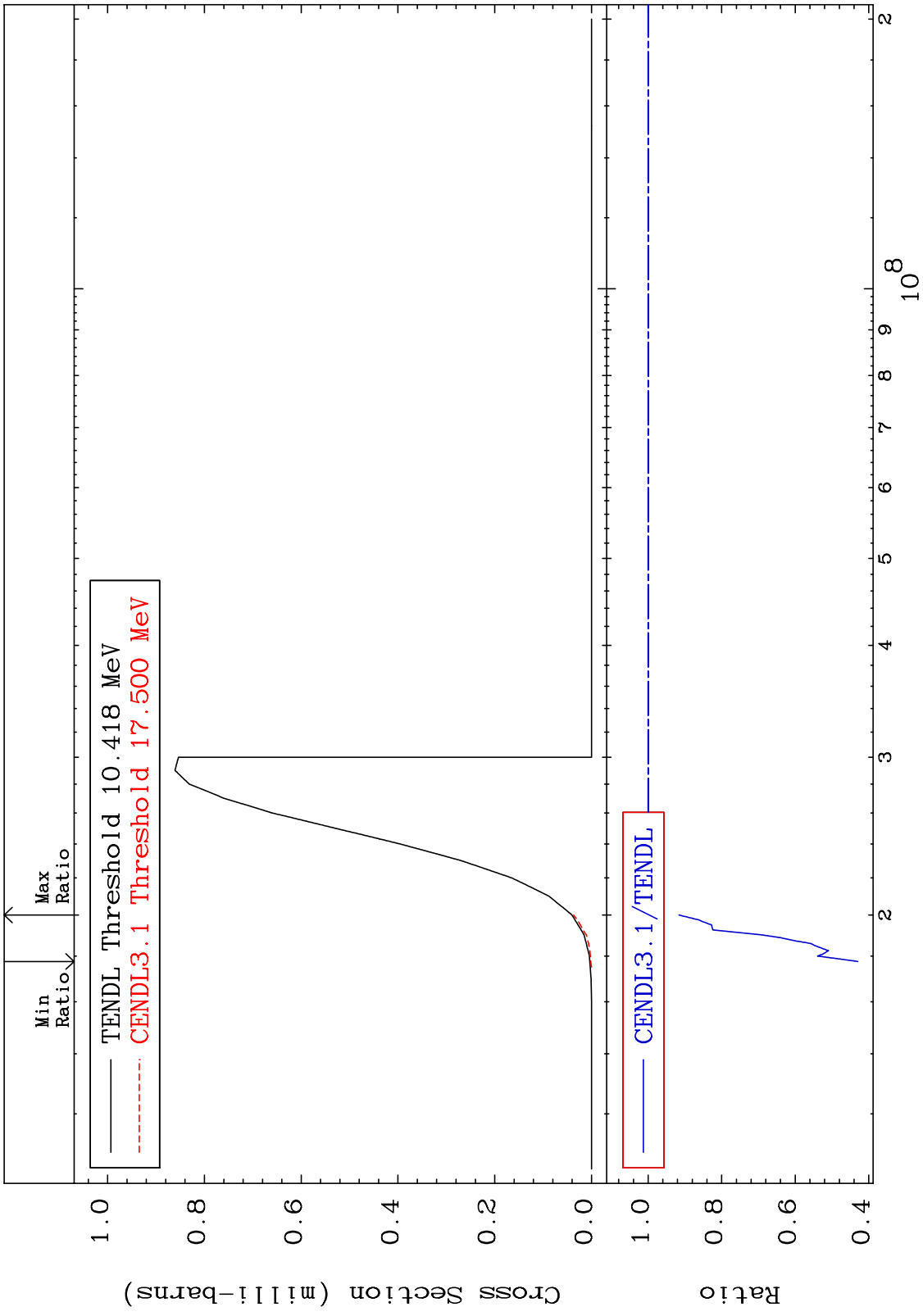


MAT 3125 (n, α) Cross Section 31-Ga-69 -2.257 To 588.0 %



Incident Energy (eV) 31-Ga-69

MAT 3125 (n,2p) Cross Section 31-Ga-69 -57.03 To -8.410%

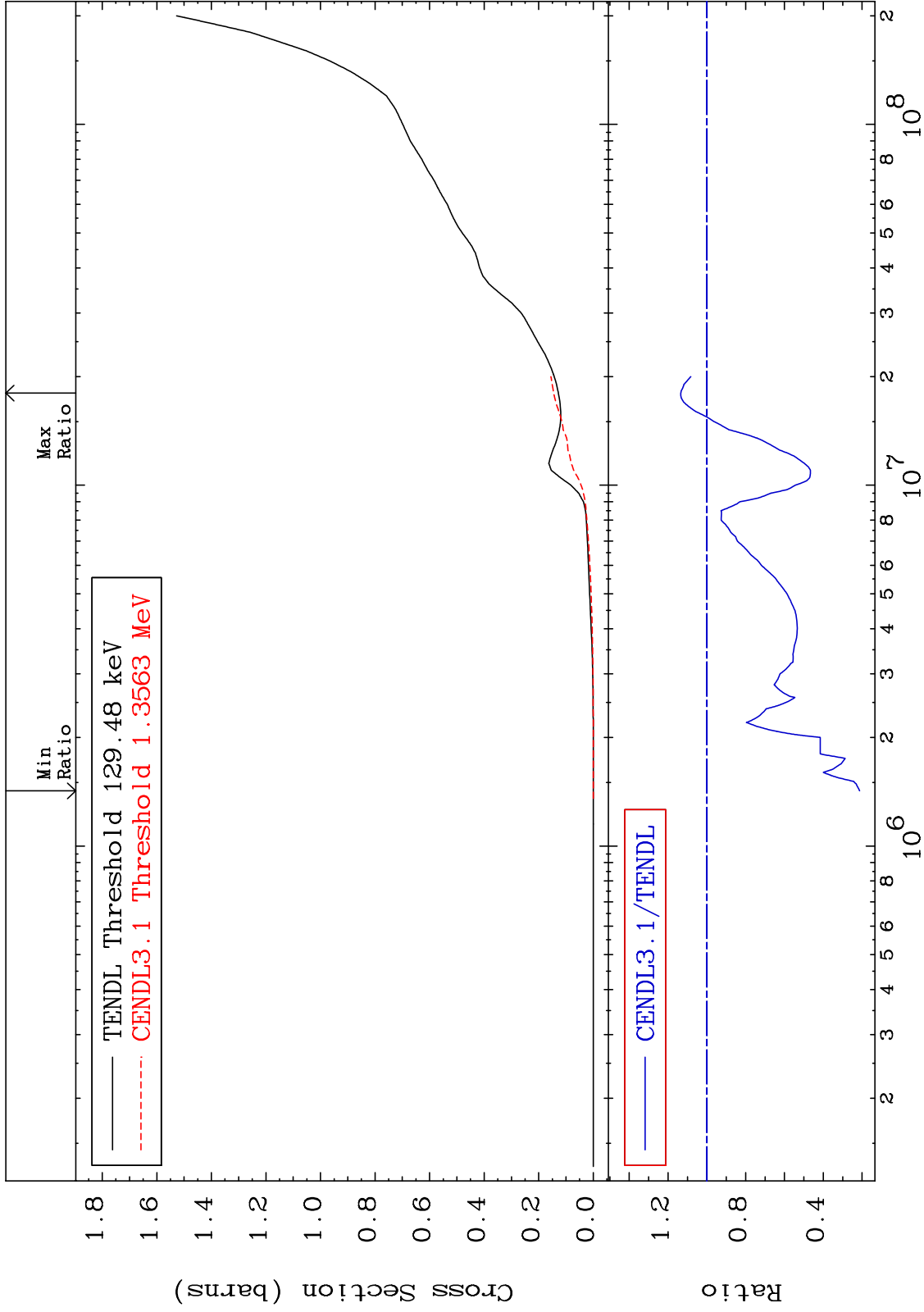


20 31-Ga-69 Incident Energy (eV)

MAT 3125

Hydrogen Production
Cross Section

31-Ga-69
-78.75 To 13.42 %



21

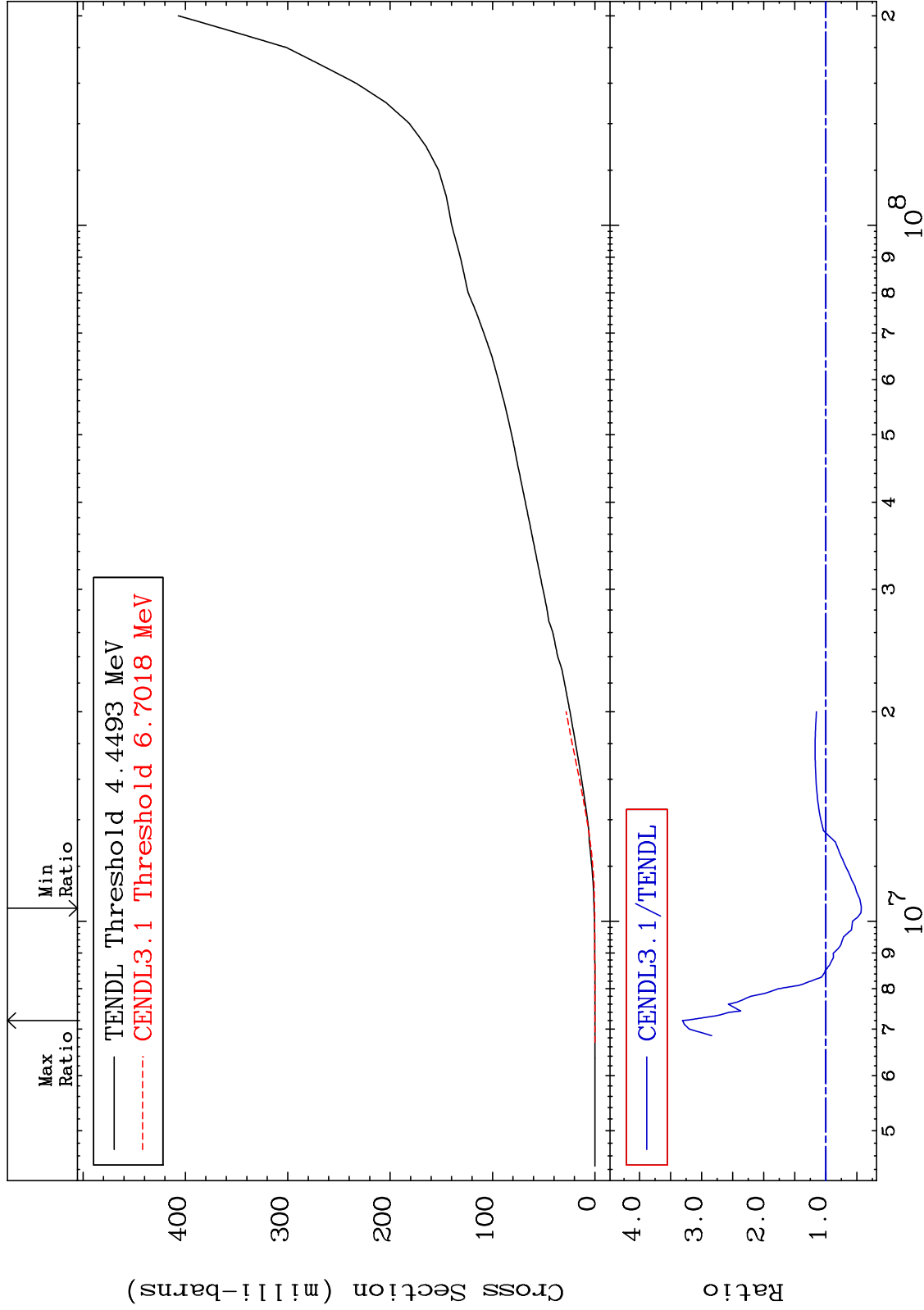
Incident Energy (eV)

31-Ga-69

MAT 3125

Deuterium Production
Cross Section

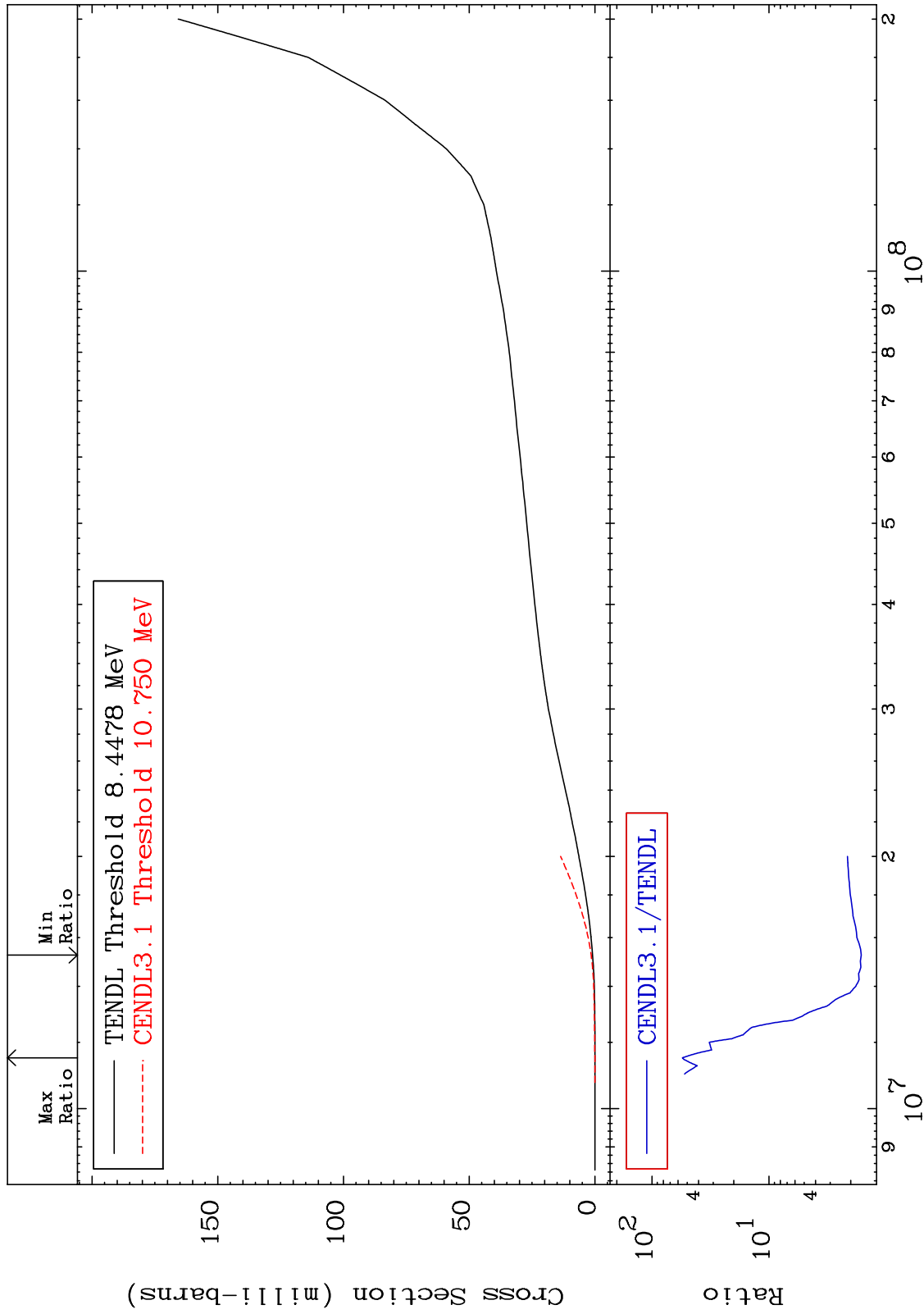
31-Ga-69
-57.13 To 230.8 %



MAT 3125

Tritium Production
Cross Section

31-Ga-69
62.80 To 5388. %



23

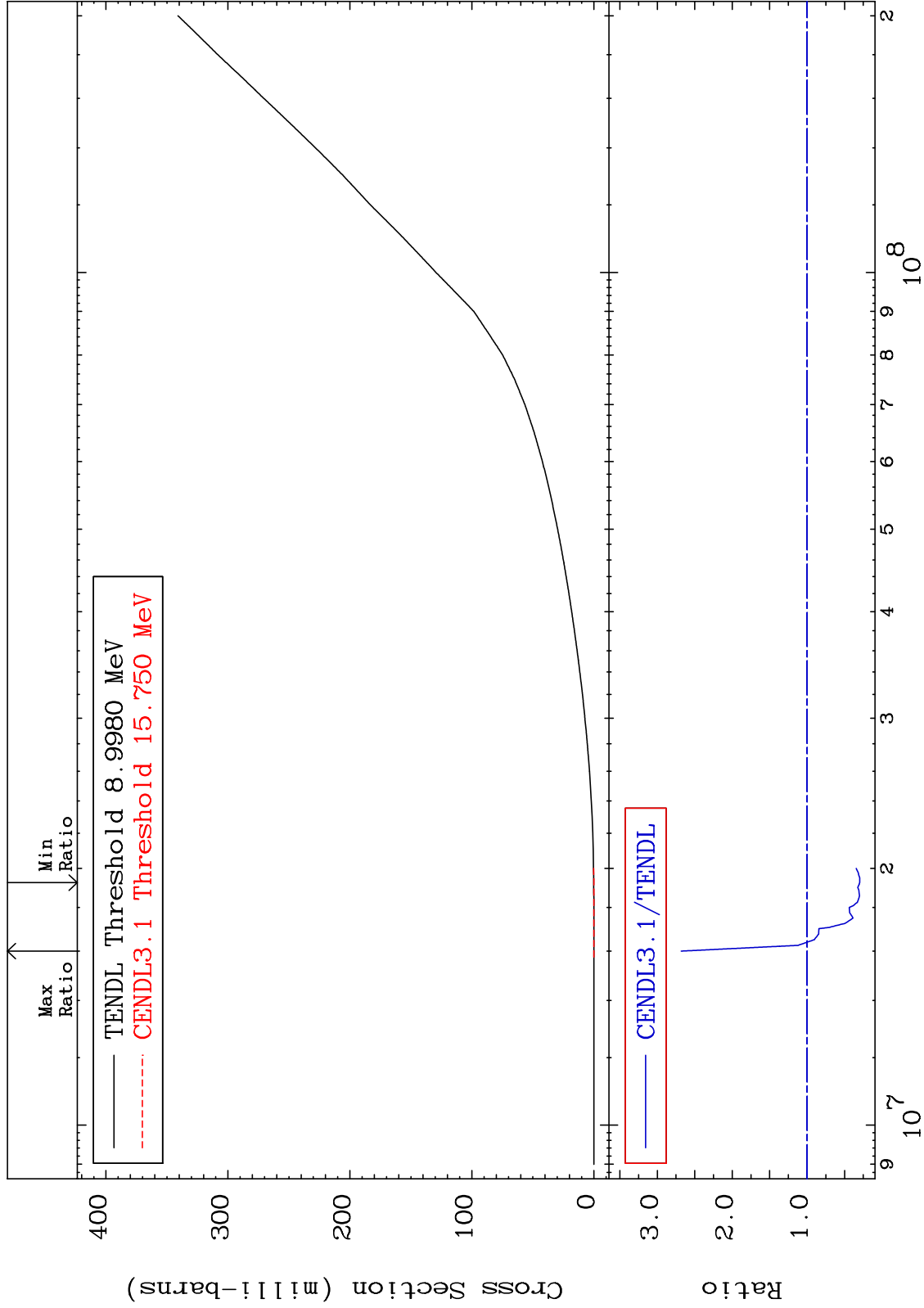
Incident Energy (eV)

31-Ga-69

MAT 3125

He-3 Production
Cross Section

31-Ga-69
-70.27 To 168.0 %



24

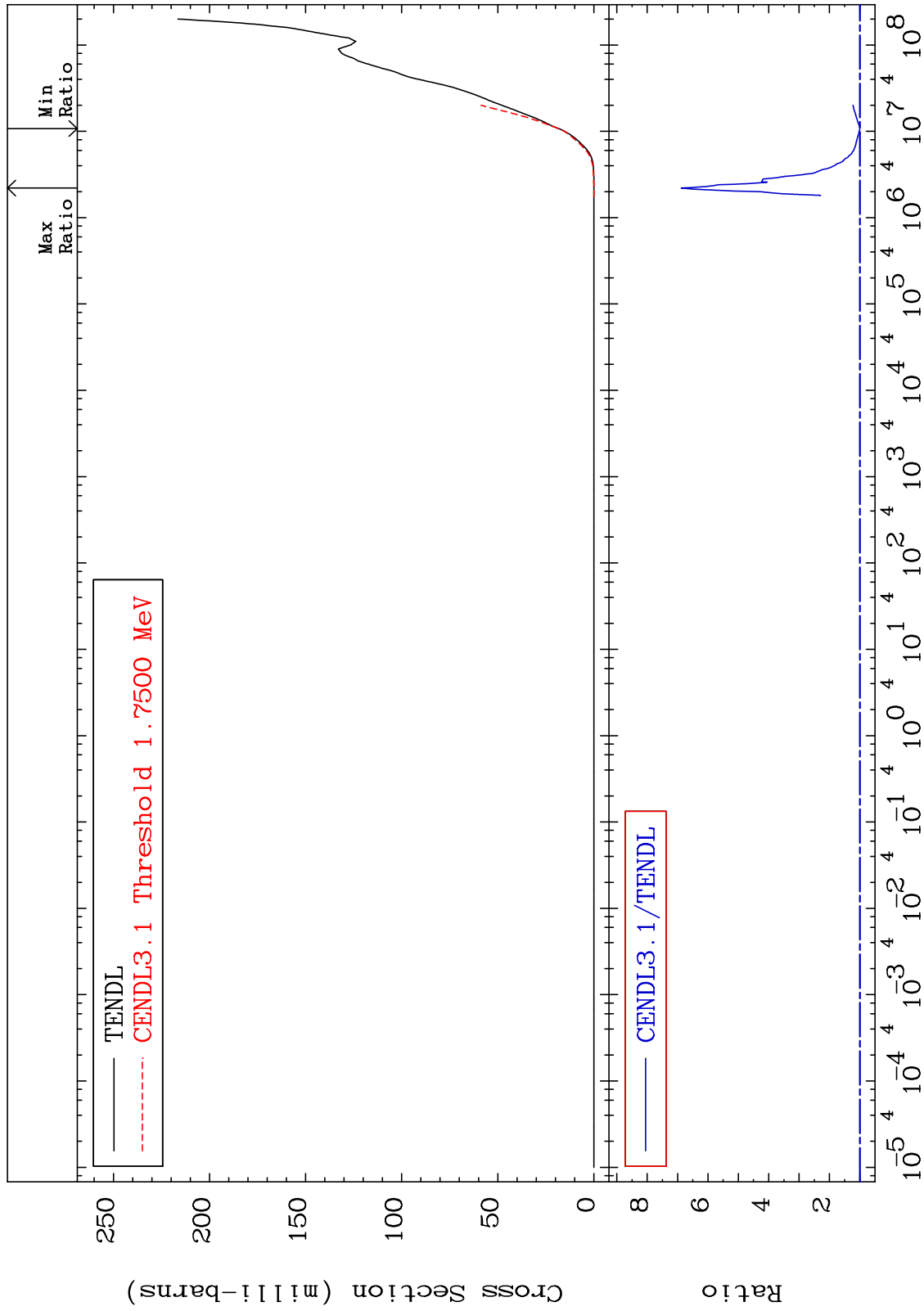
Incident Energy (eV)

31-Ga-69

MAT 3125

He-4 Production
Cross Section

31-Ga-69
0.211 To 588.0 %

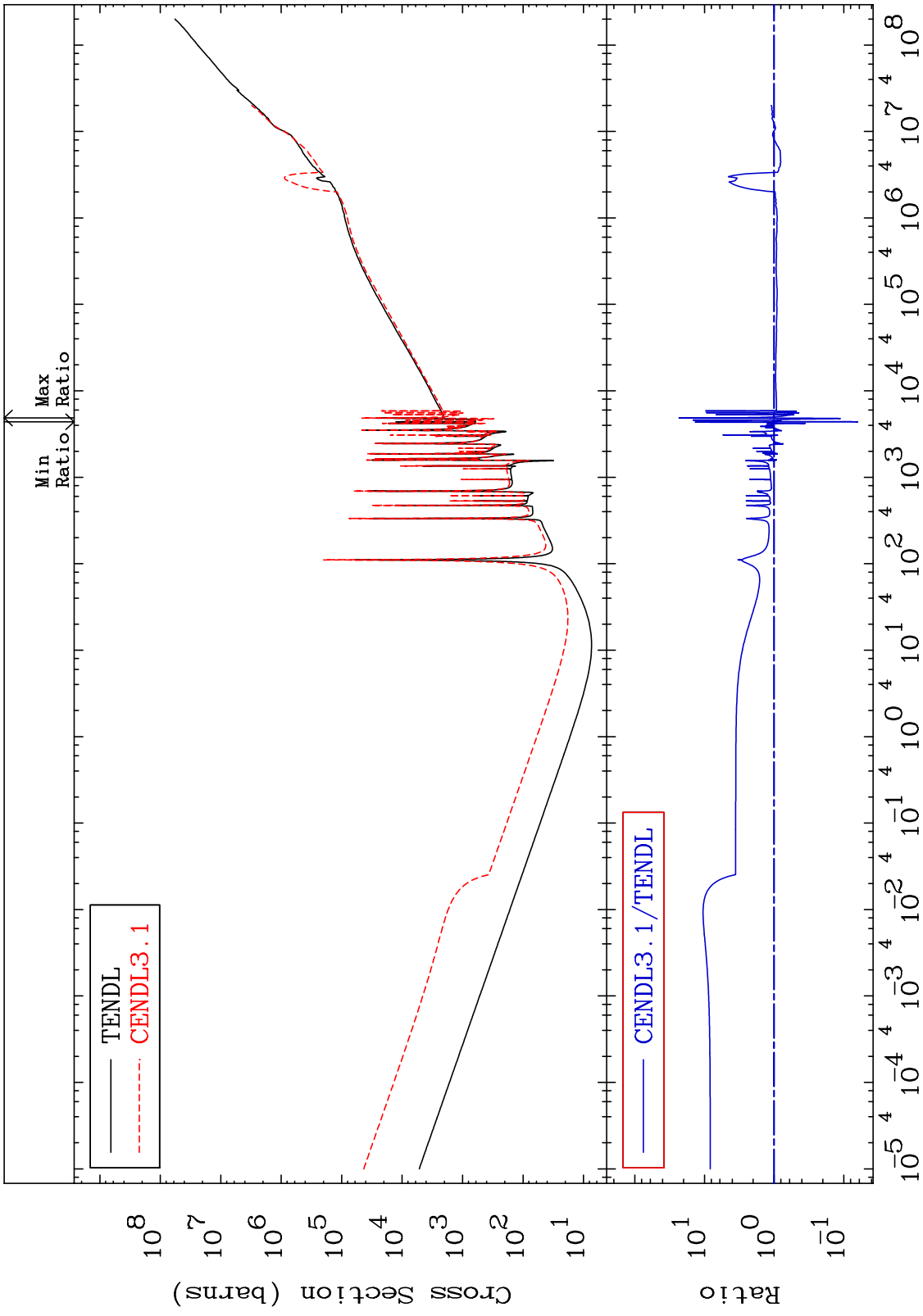


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Incident Energy (eV)

31-Ga-69

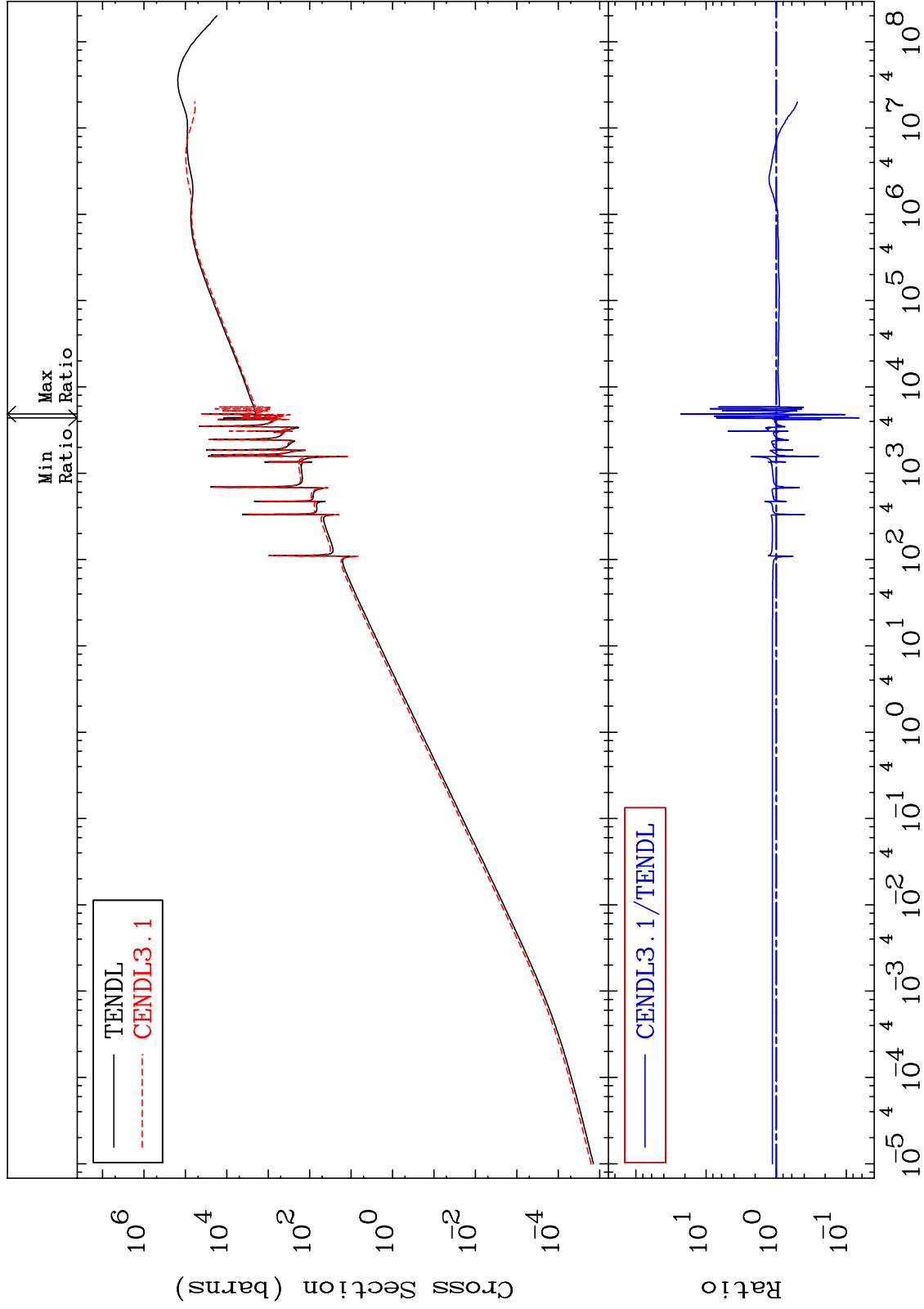
MAT 3125 Kerma total (eV-barns) Cross Section 31-Ga-69 -93.72 To 2221. %



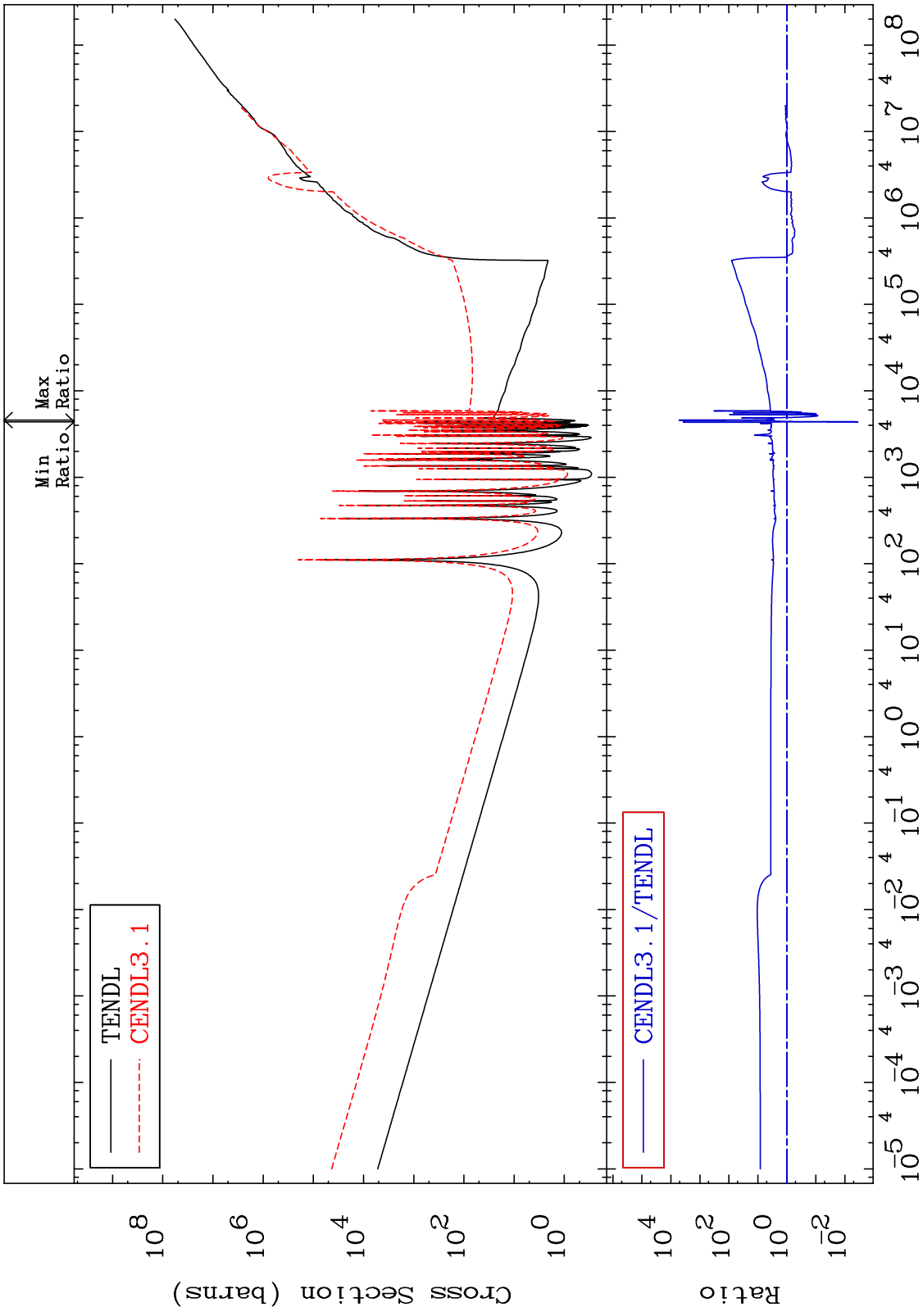
MAT 3125

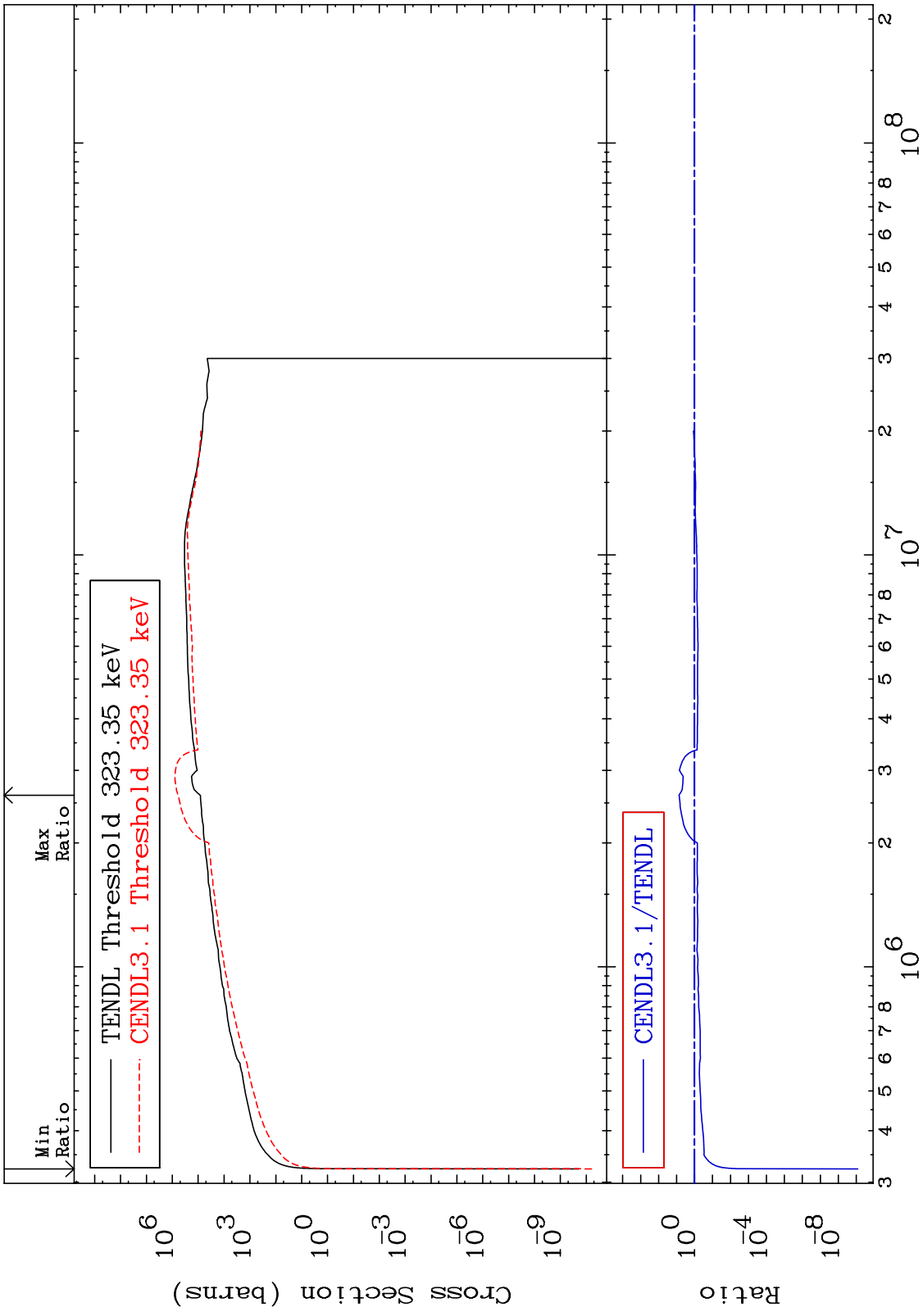
Kerma elastic
Cross Section

31-Ga-69
-93.40 To 2205. %



MAT 3125 Kerma non-elastic (all but mt2) Cross Section 31-Ga-69 -99.64 To 9999. %

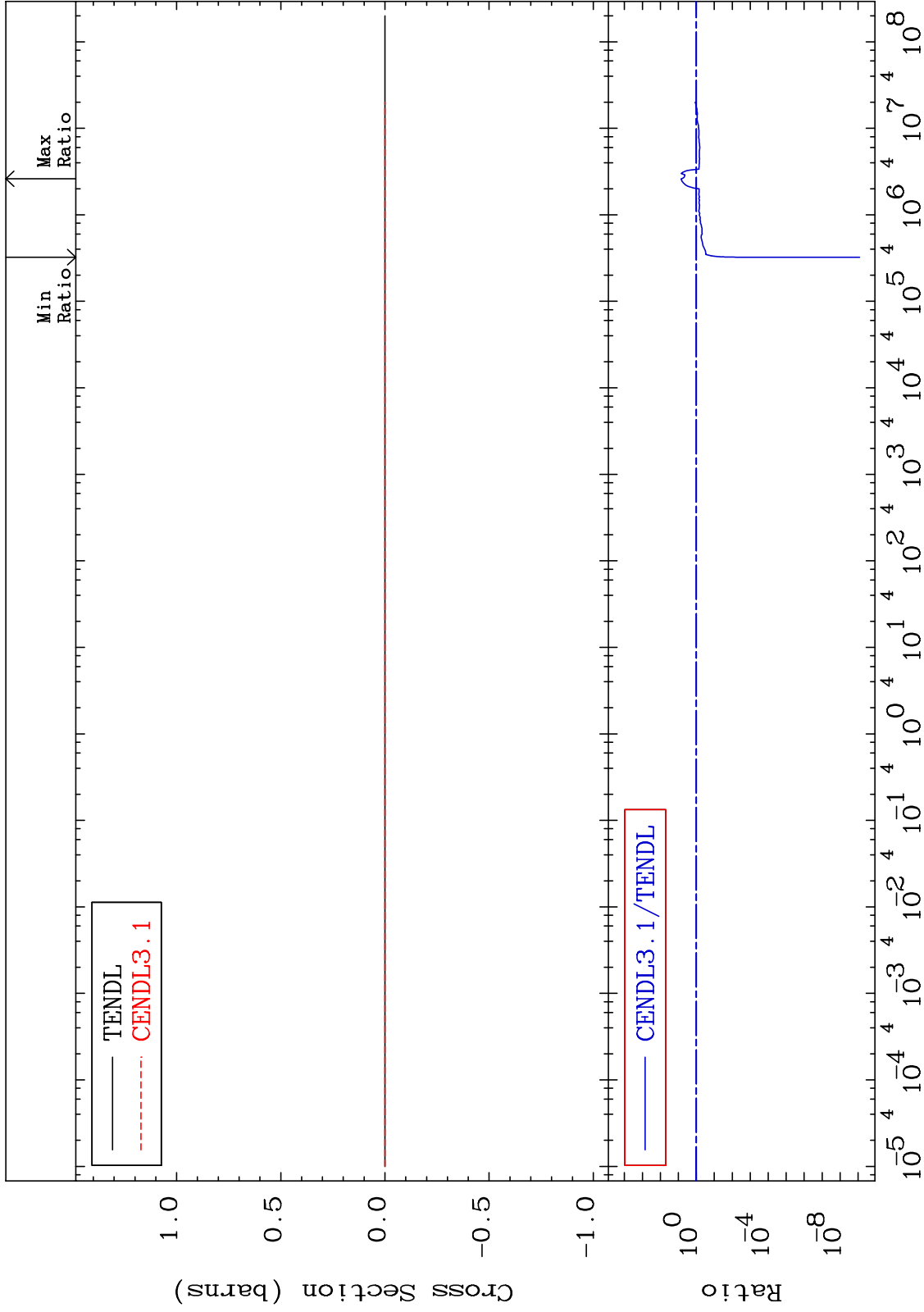




MAT 3125

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

31-Ga-69
-100.0 To 629.0 %



30

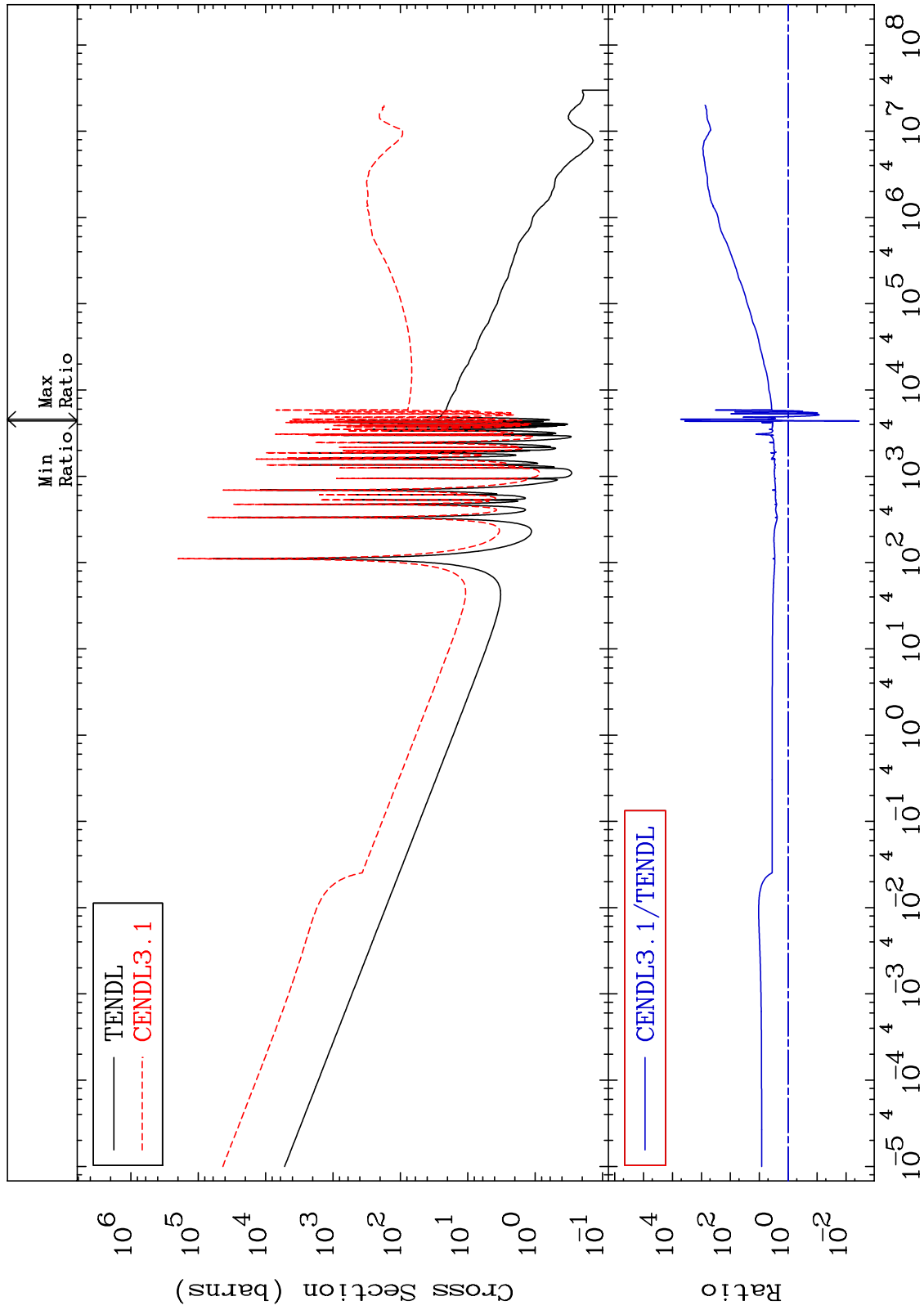
Incident Energy (eV)

31-Ga-69

MAT 3125

Kerma capture (mt102)
Cross Section

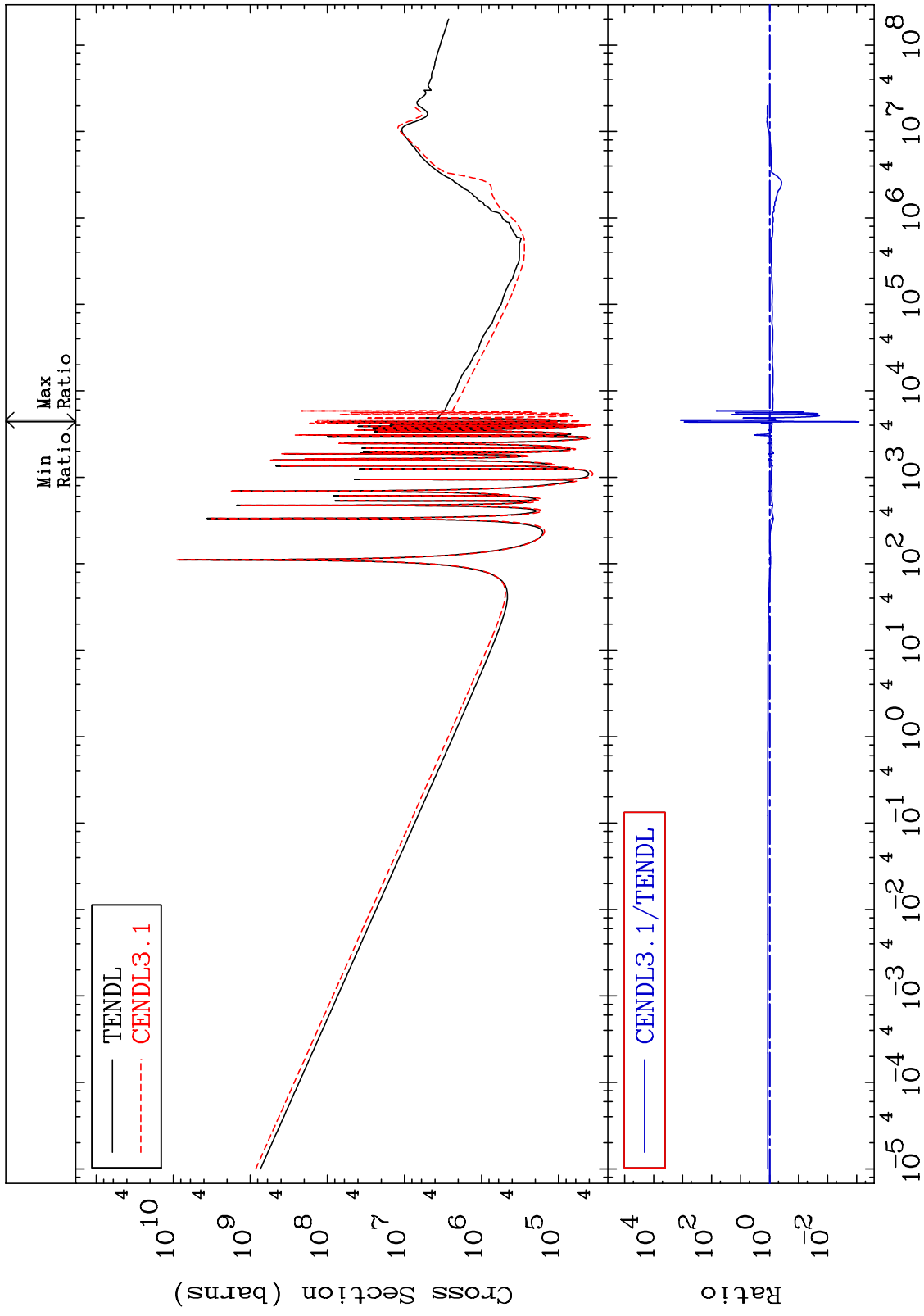
31-Ga-69
-99.64 To 9999. %



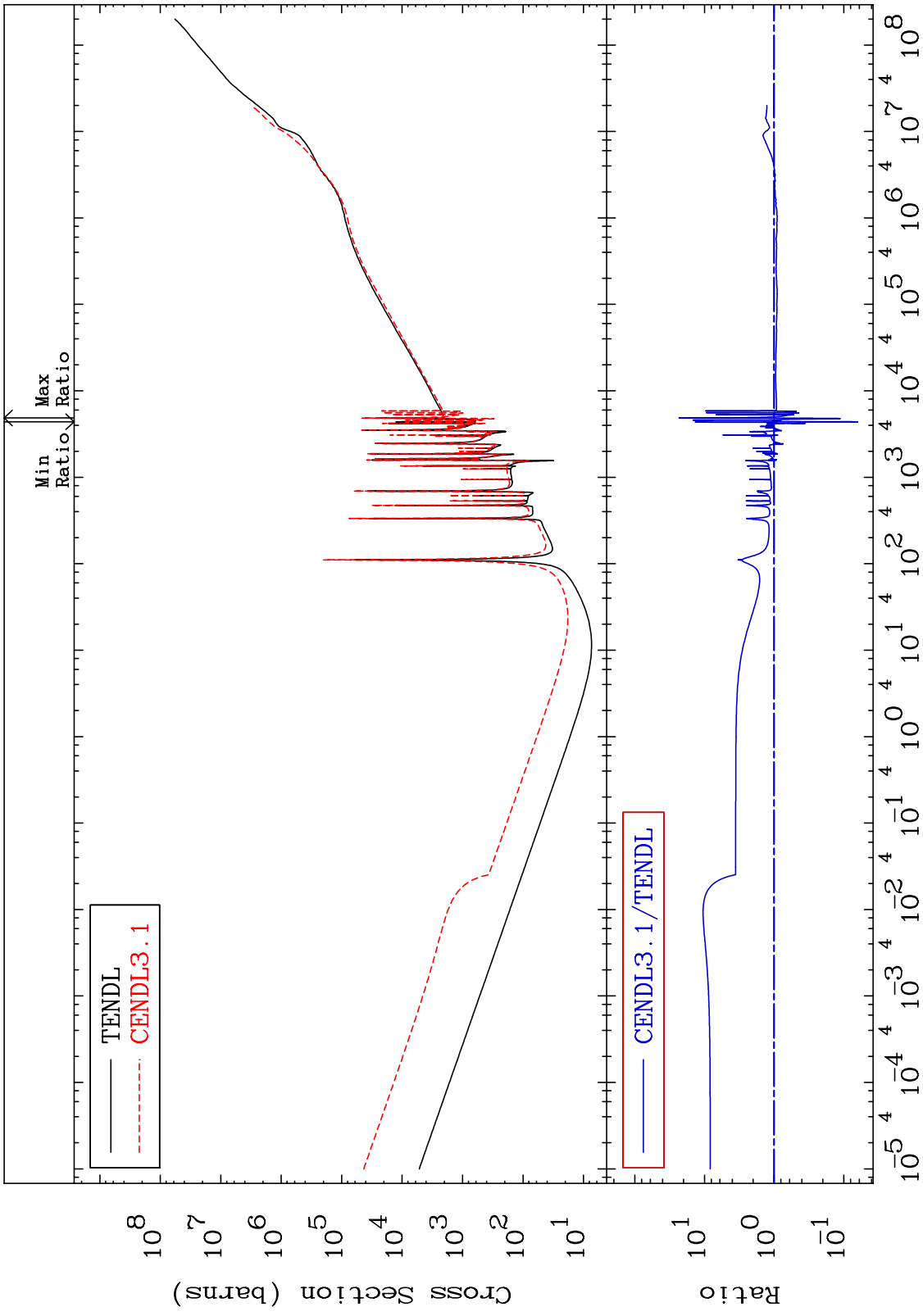
MAT 3125

Total photon (eV-barns)
Cross Section

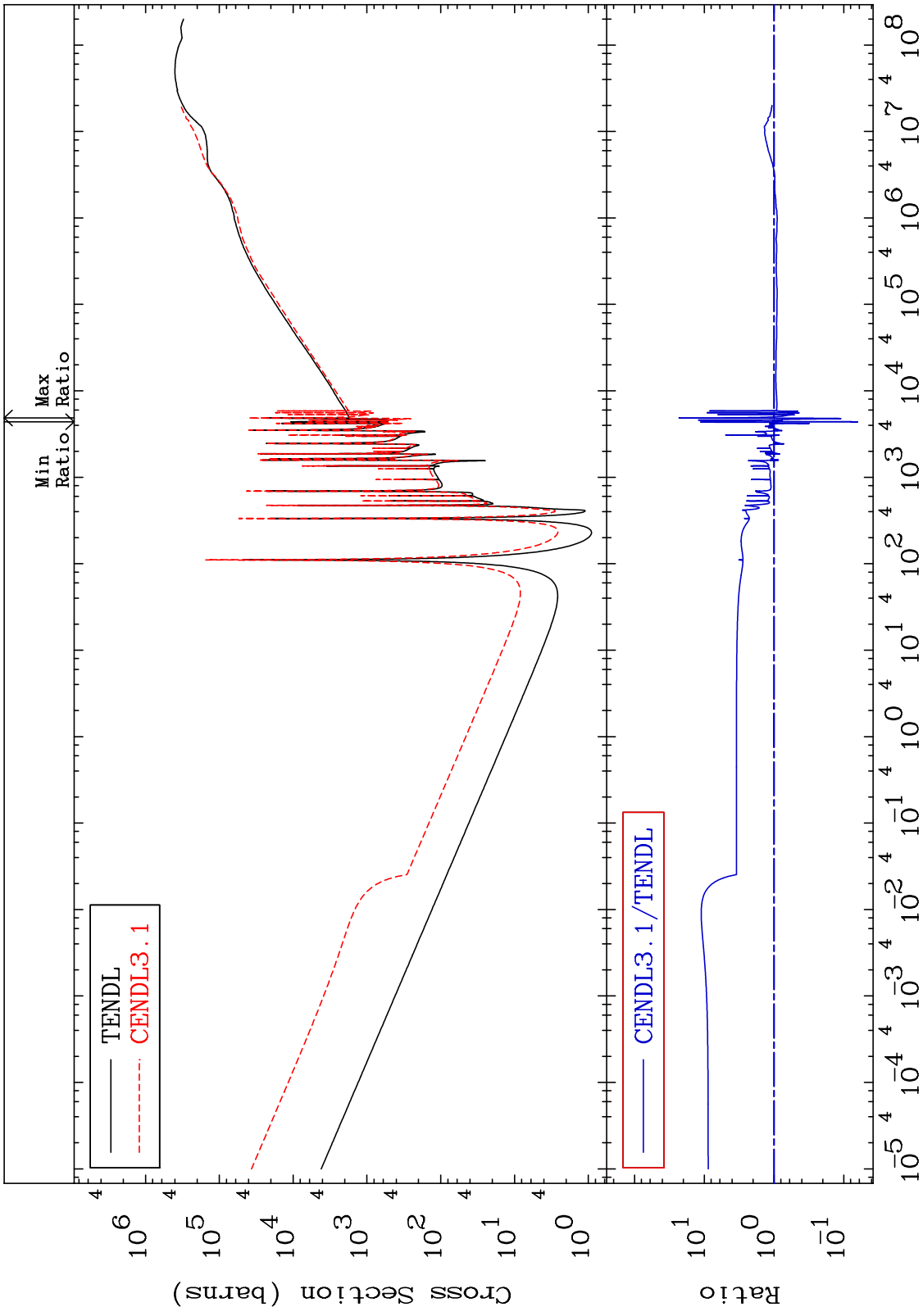
31-Ga-69
-99.92 To 9999. %



MAT 3125 Total kinematic kerma (high limit) 31-Ga-69
 Cross Section -93.72 To 2221. %



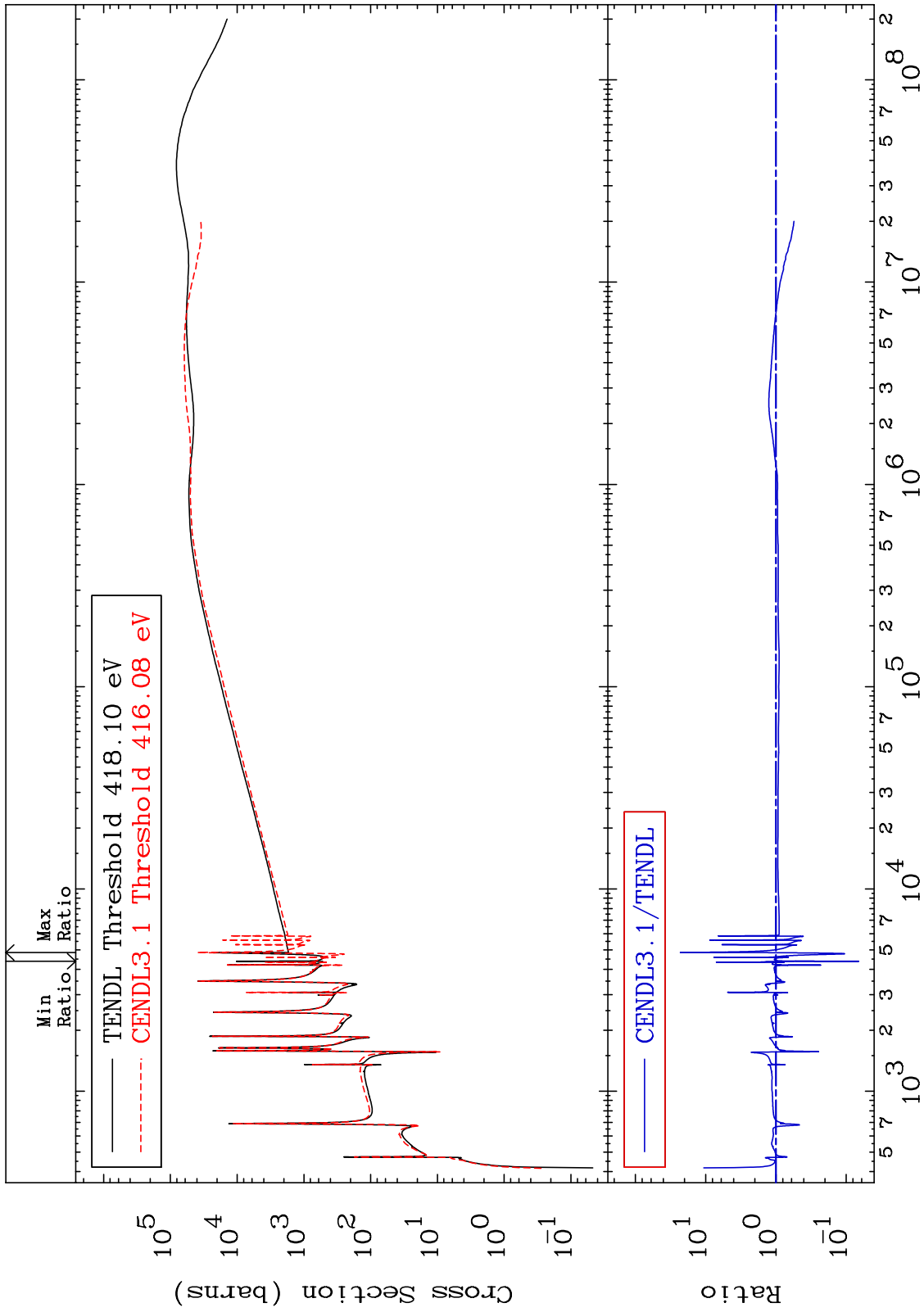
MAT 3125 Dpa total (eV-barns) 31-Ga-69
 Cross Section -93.71 To 2206. %



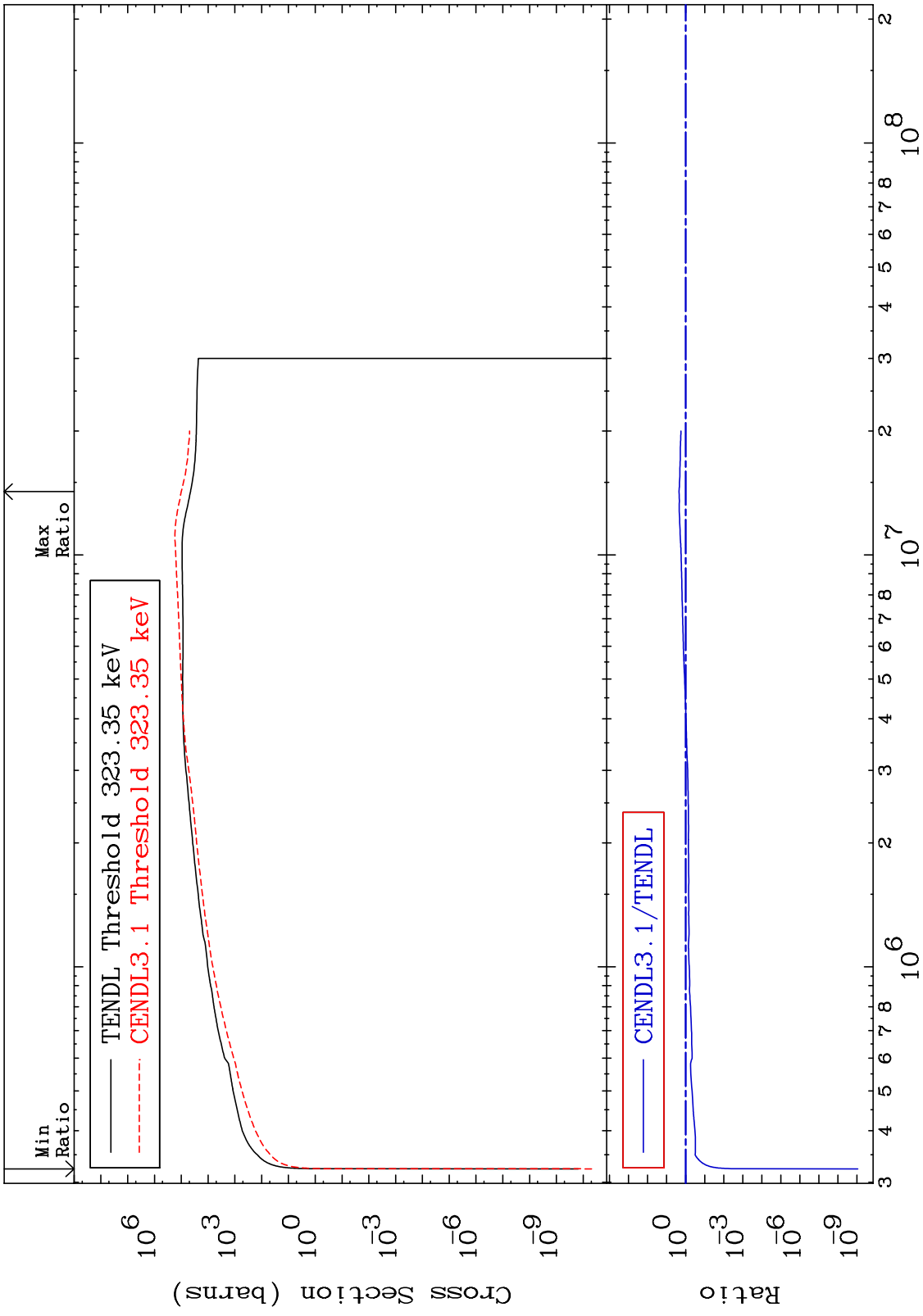
MAT 3125

Dpa elastic (mt2)
Cross Section

31-Ga-69
-93.40 To 2204. %

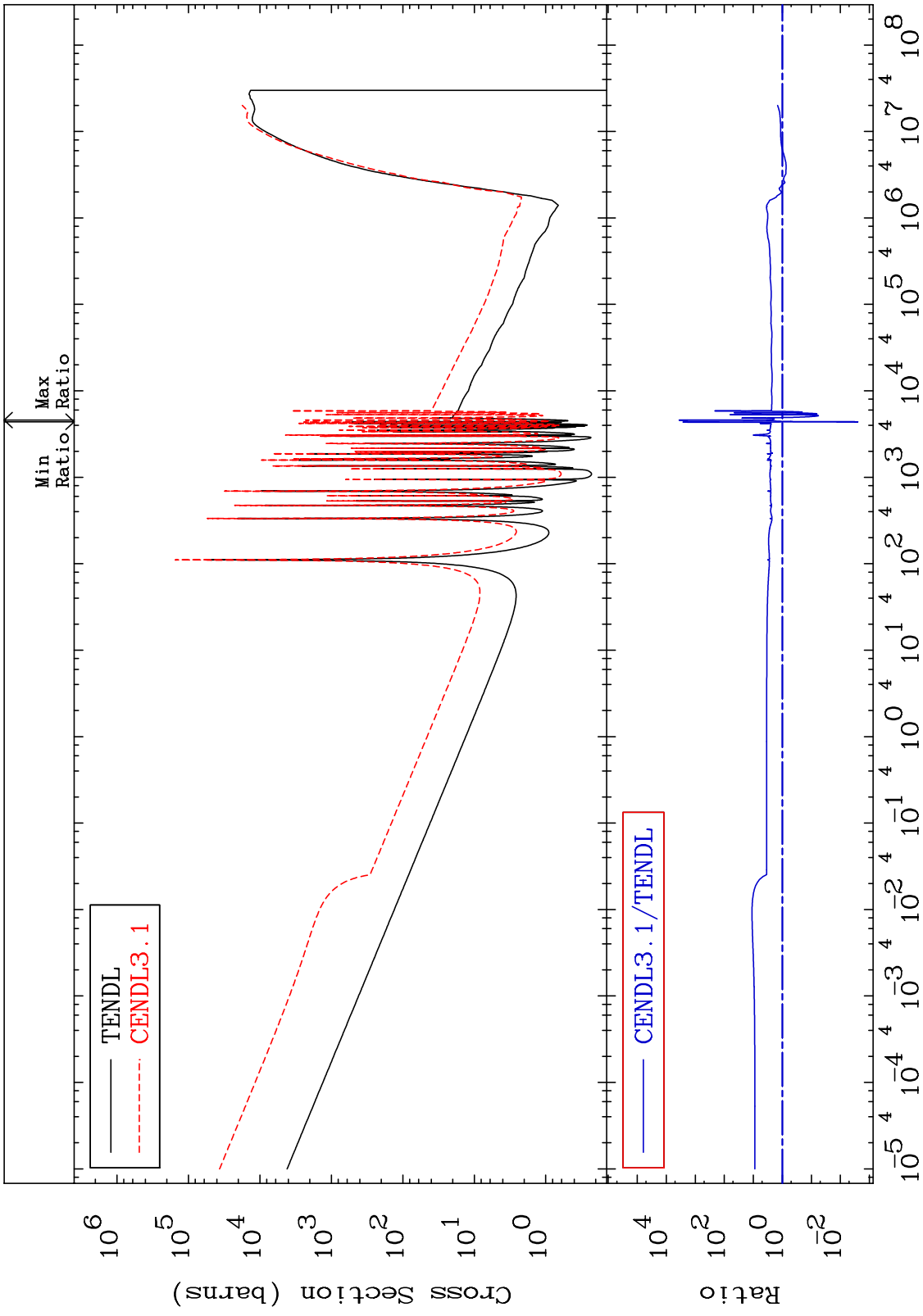


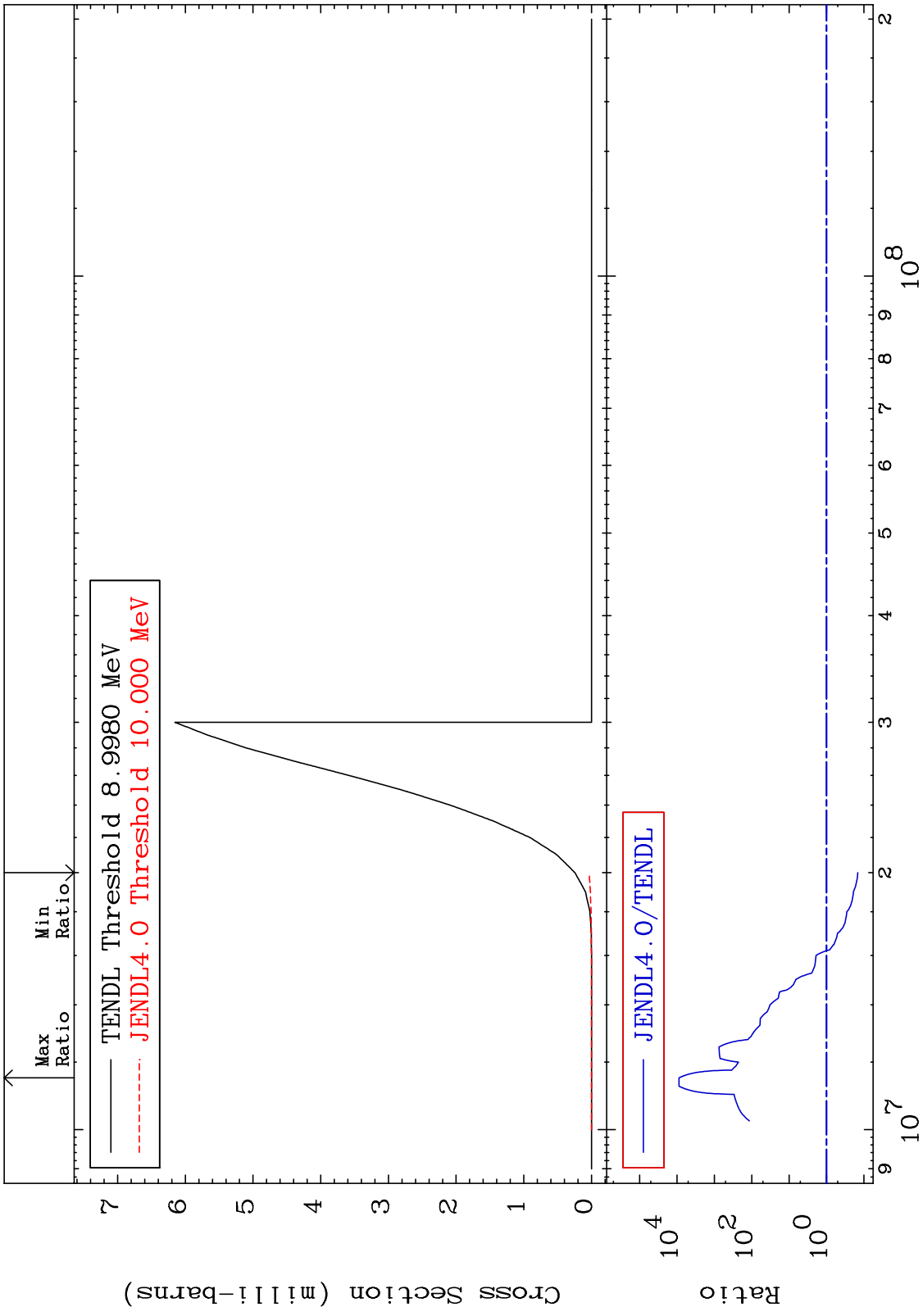
MAT 3125 Dpa inelastic (mt51-91) 31-Ga-69
 Cross Section -100.0 To 122.3 %



36 Incident Energy (eV) 31-Ga-69

MAT 3125 Dpa disappearance (mt102 -120) 31-Ga-69
 Cross Section -99.75 To 9999. %





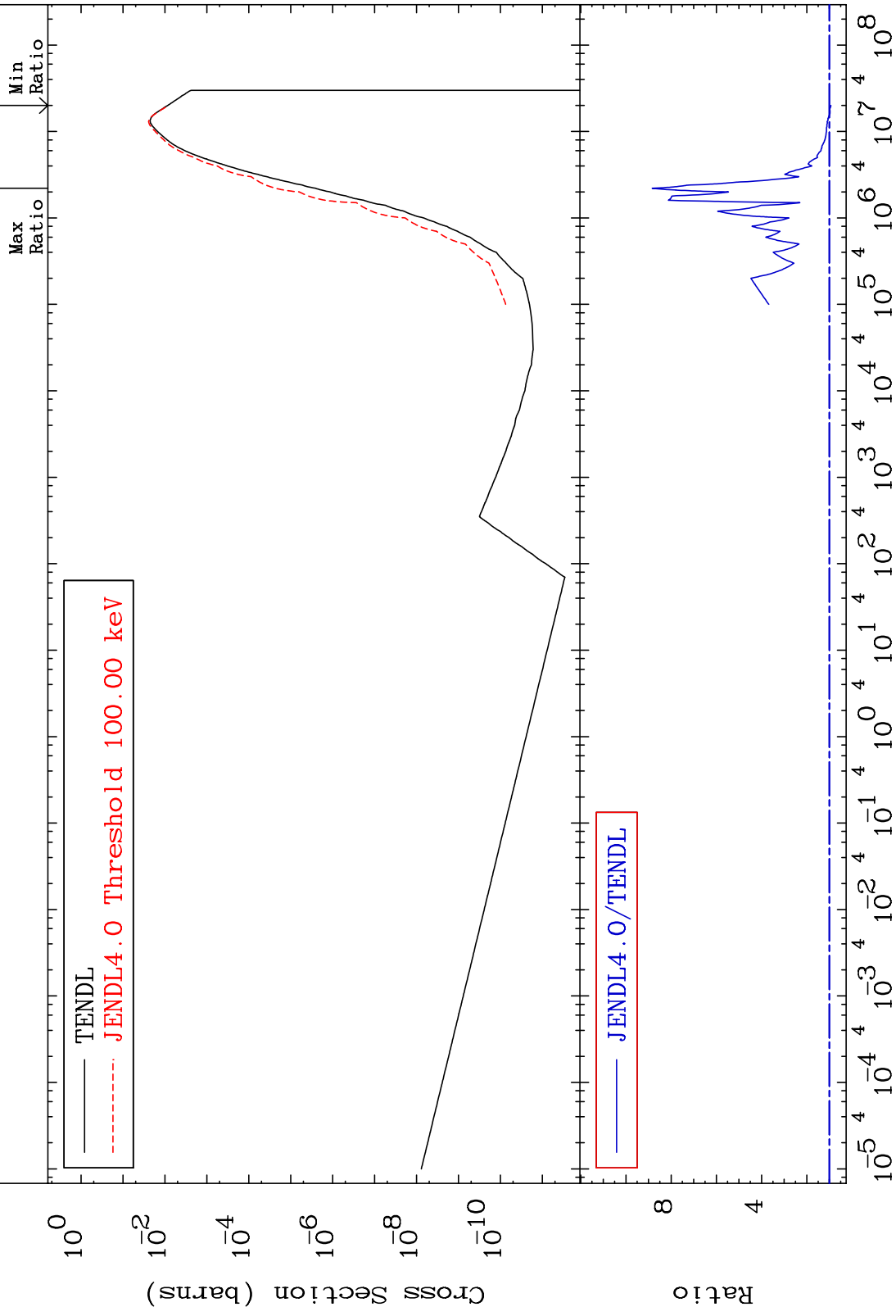
MAT 3125

(n, α)

31-Ga-69

Cross Section

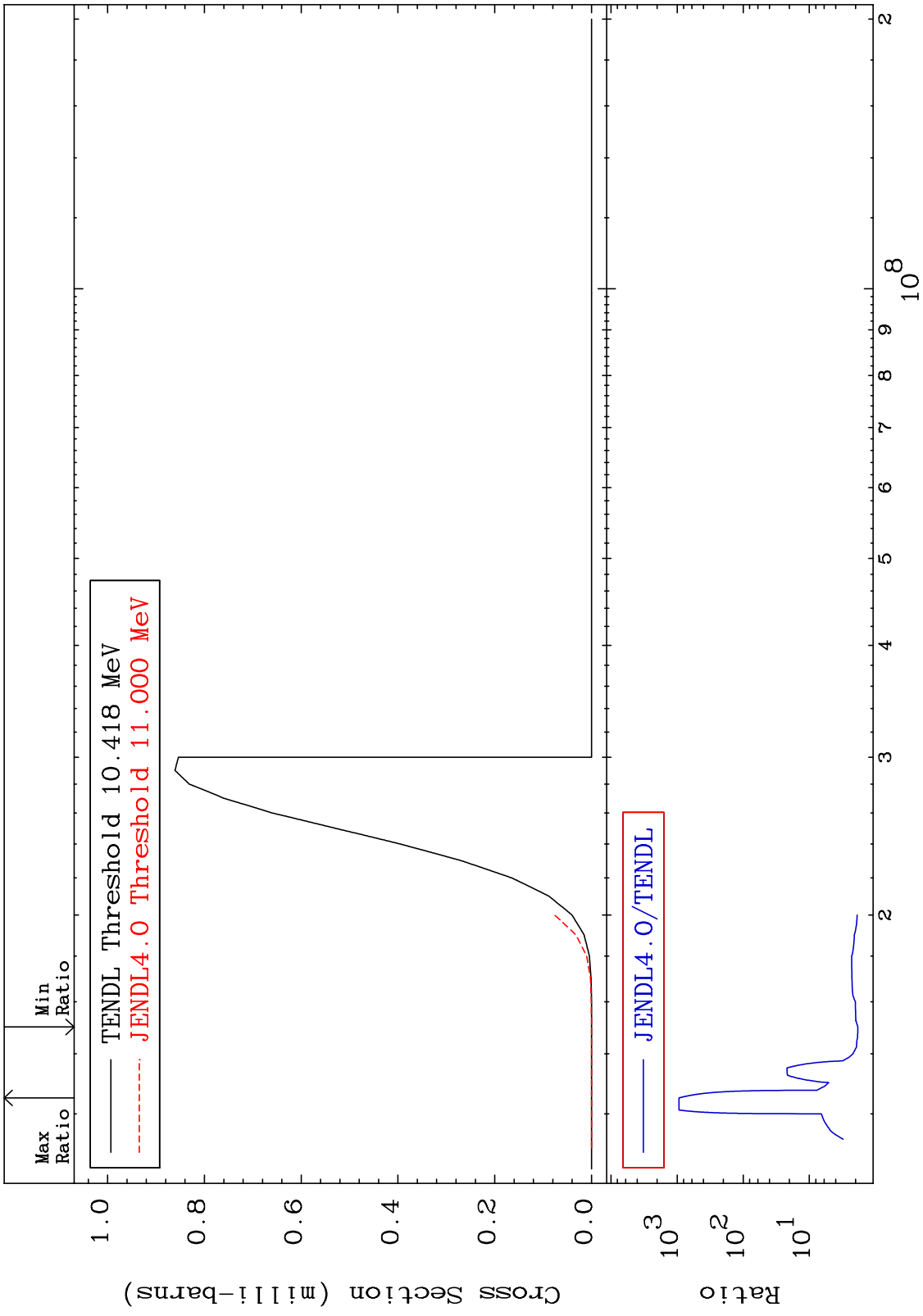
-6.695 To 783.5 %

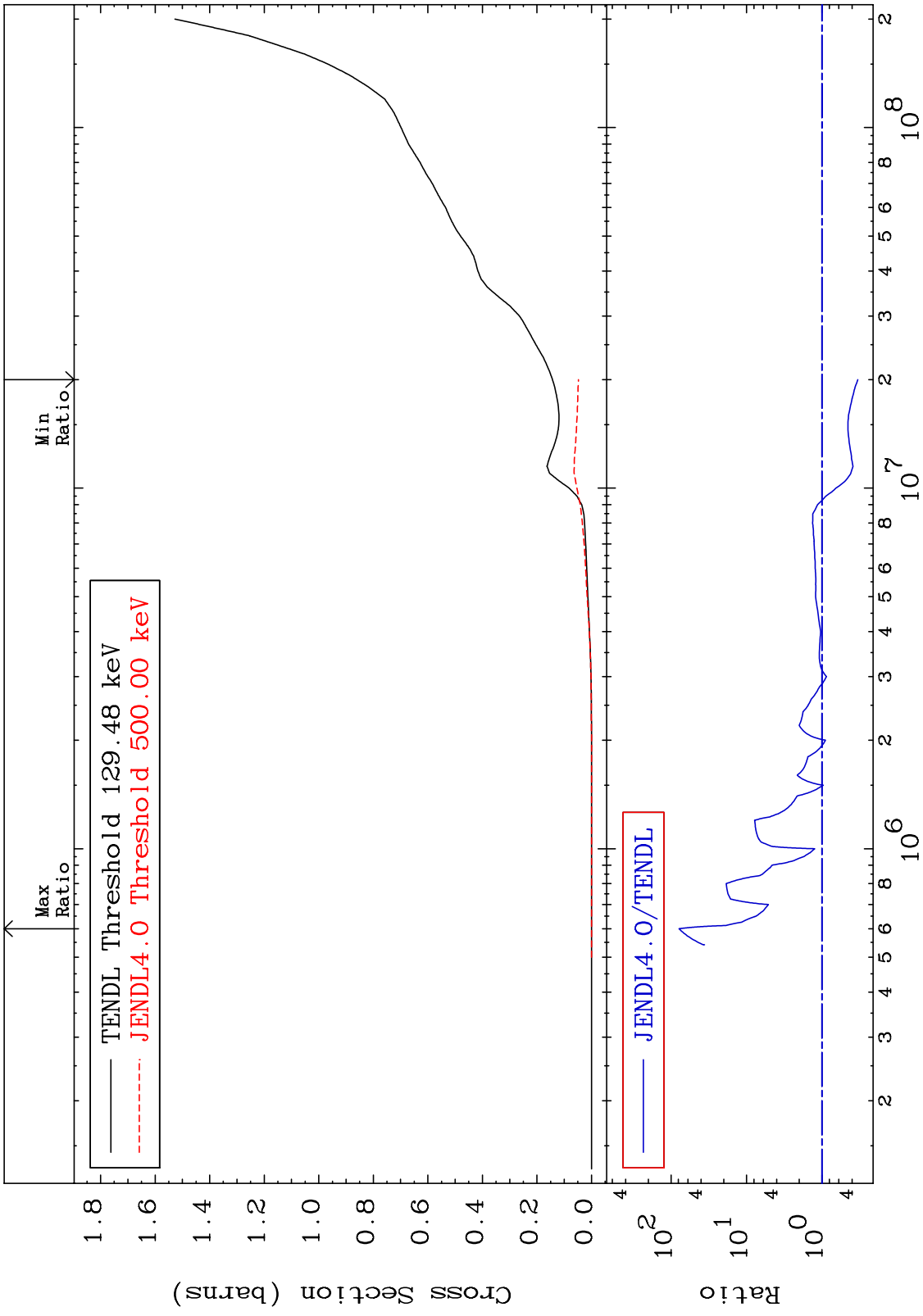


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Incident Energy (eV)

31-Ga-69

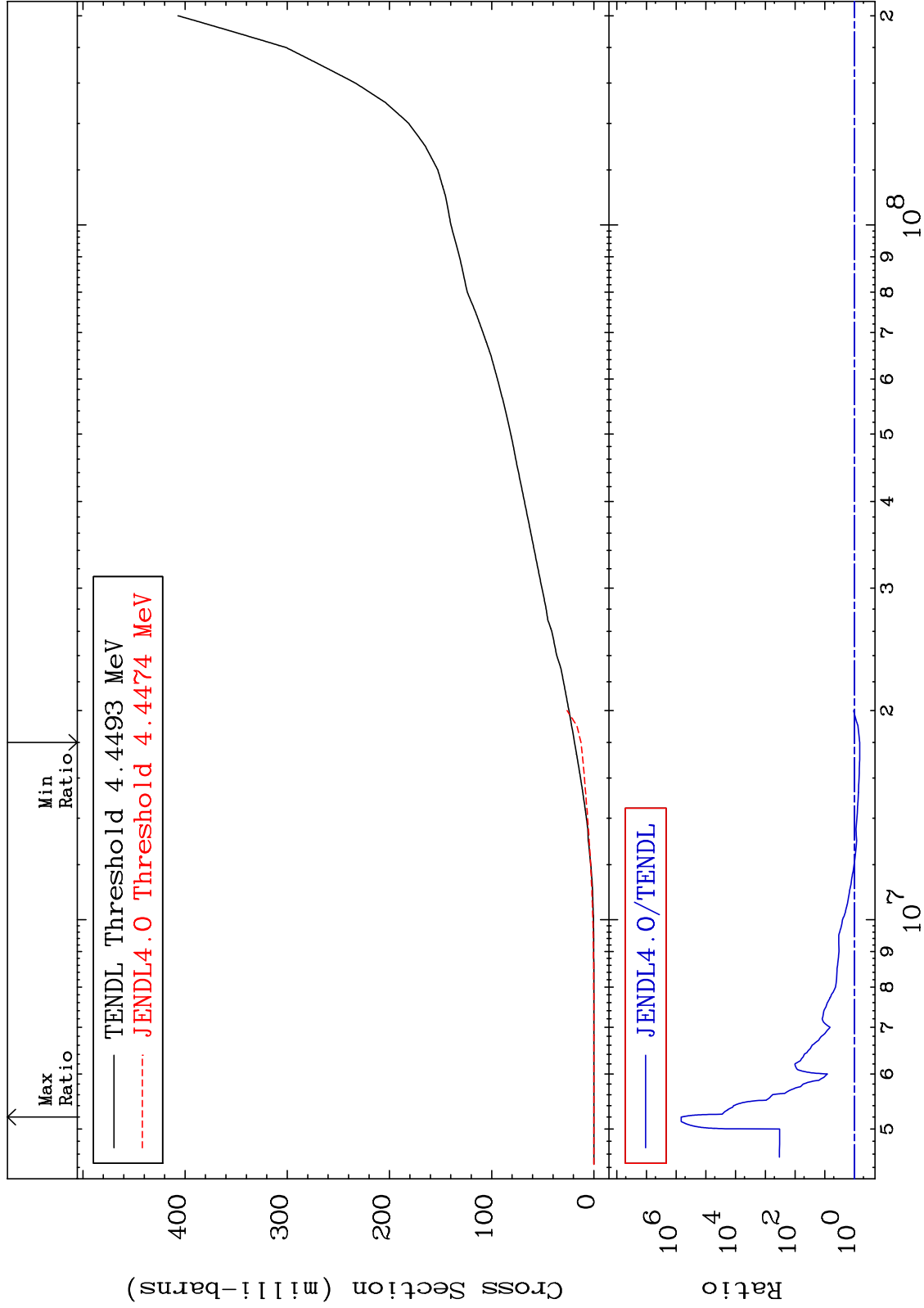




MAT 3125

Deuterium Production
Cross Section

31-Ga-69
-33.24 To 9999. %



42

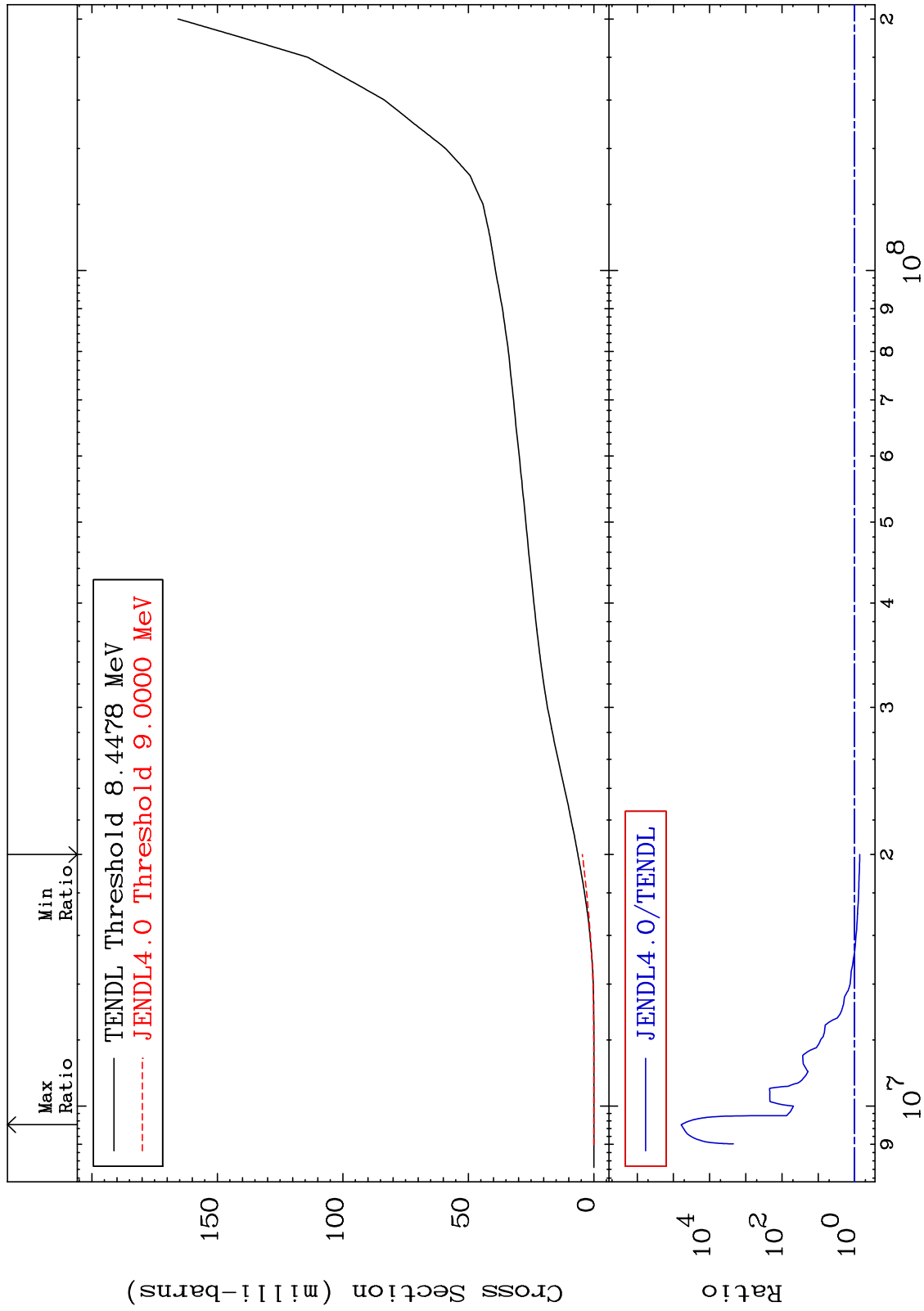
Incident Energy (eV)

31-Ga-69

MAT 3125

Tritium Production
Cross Section

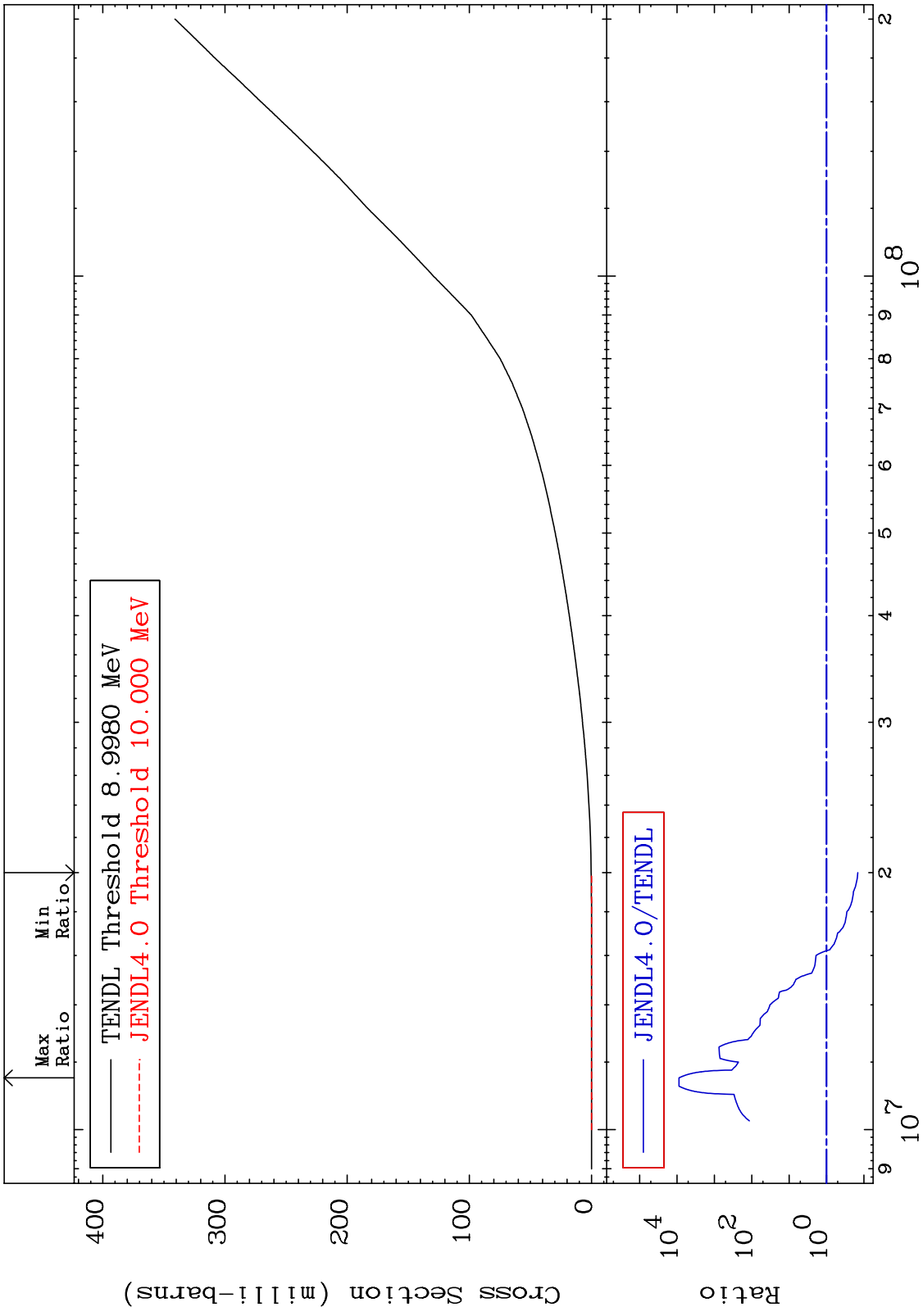
31-Ga-69
-28.43 To 9999. %



43

Incident Energy (eV)

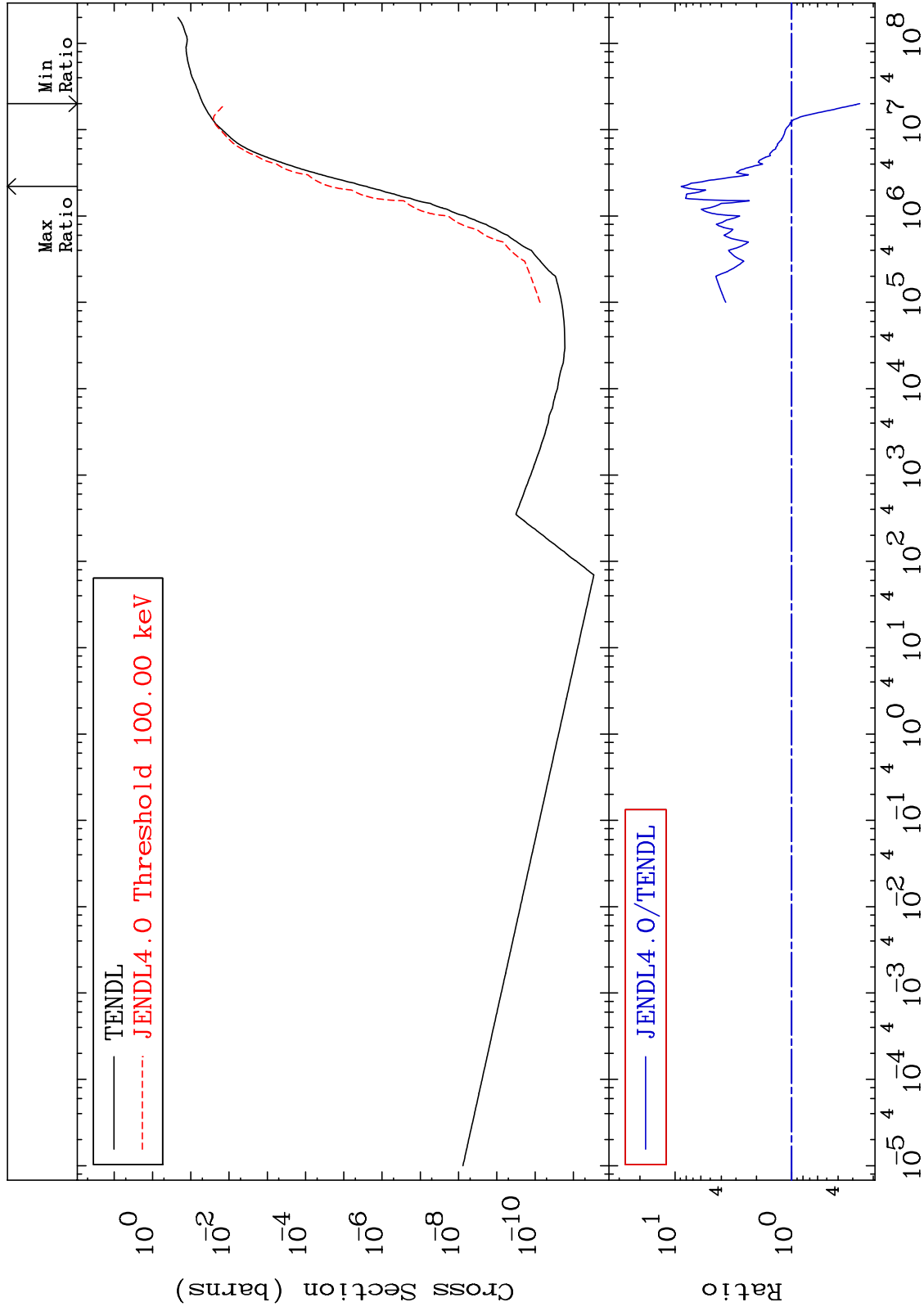
31-Ga-69



MAT 3125

He-4 Production
Cross Section

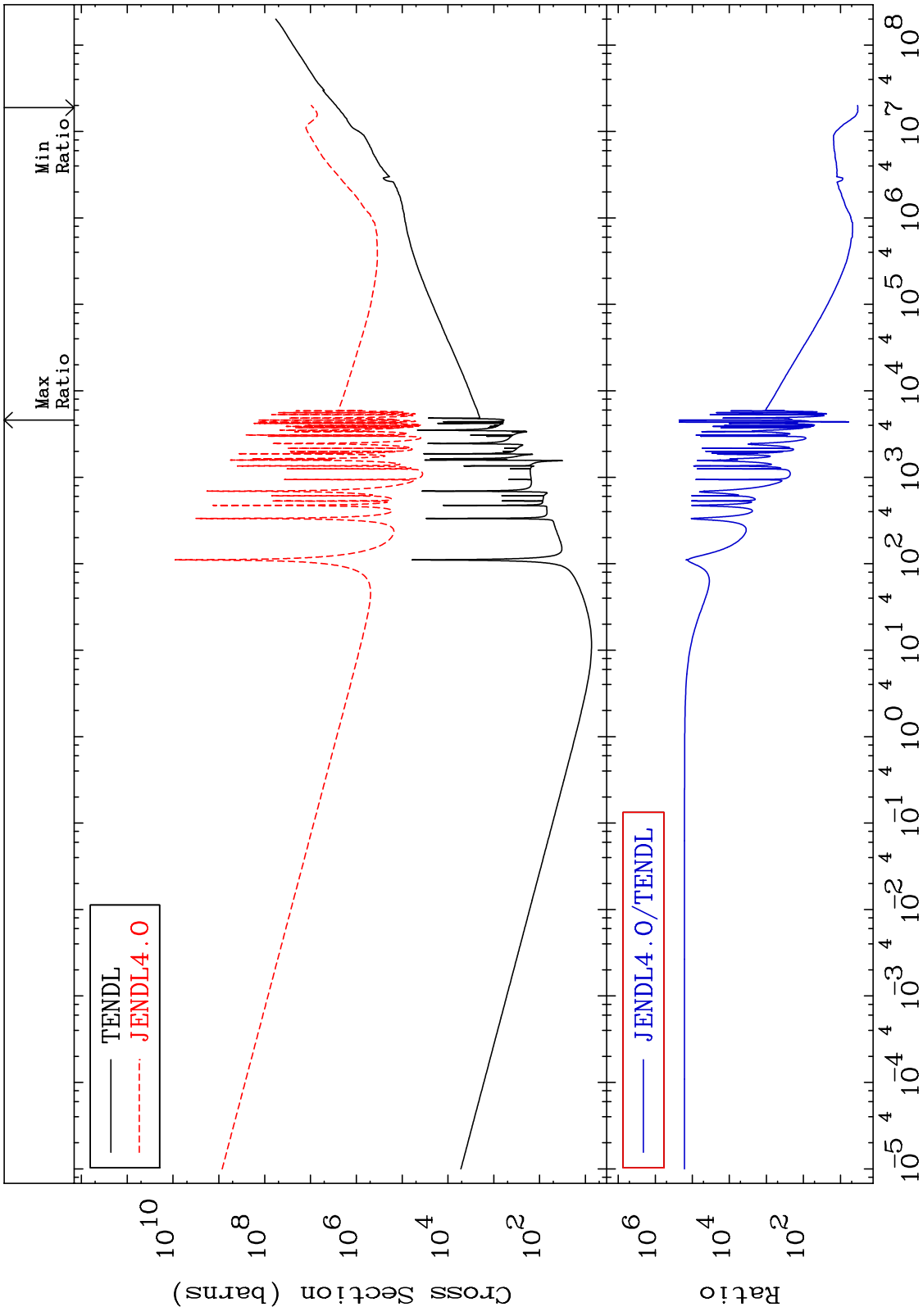
31-Ga-69
-73.88 To 783.5 %



45

31-Ga-69

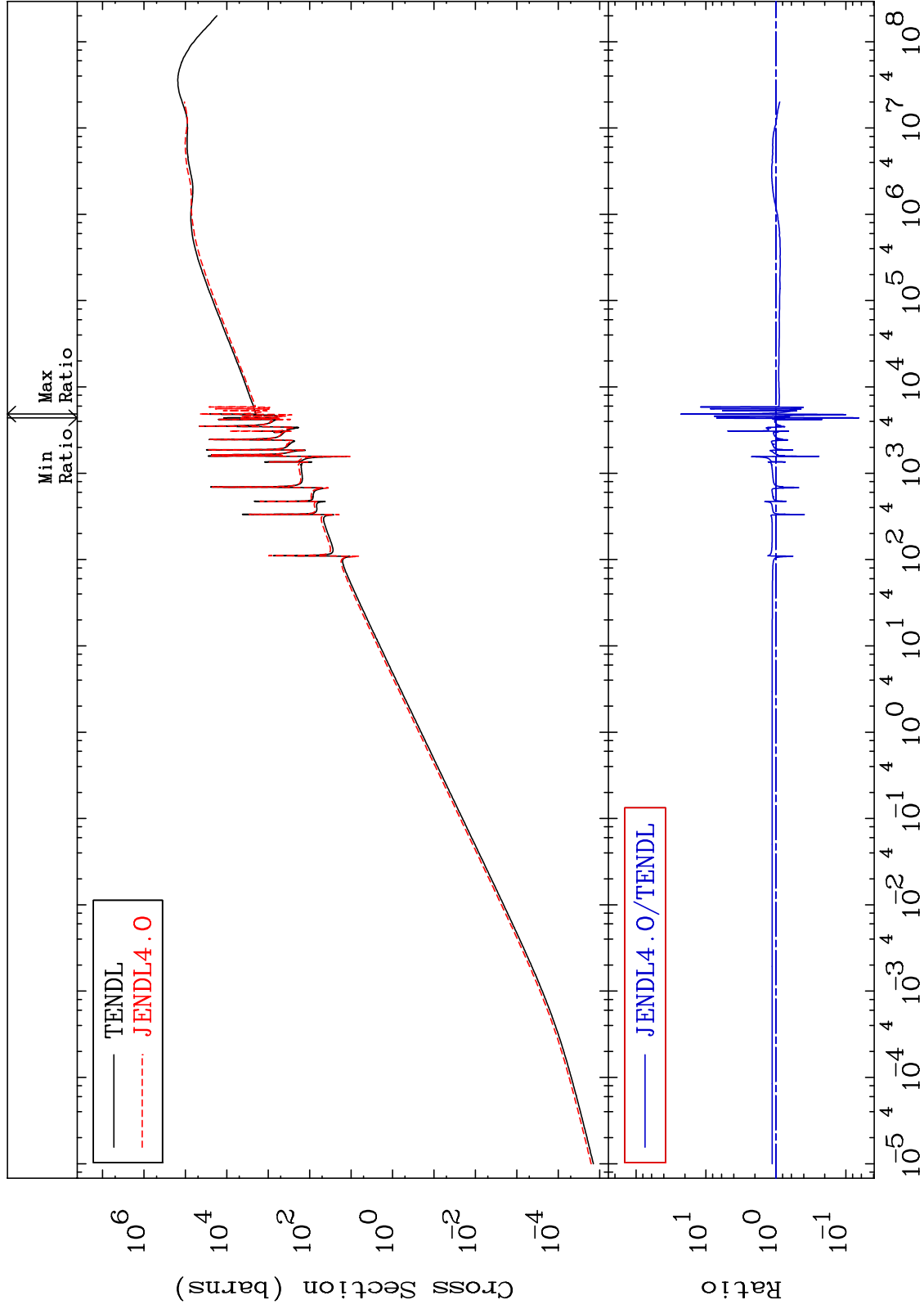
MAT 3125 Kerma total (eV-barns)
 Cross Section 31-Ga-69
 239.1 To 9999. %



MAT 3125

Kerma elastic
Cross Section

31-Ga-69
-93.52 To 2202. %

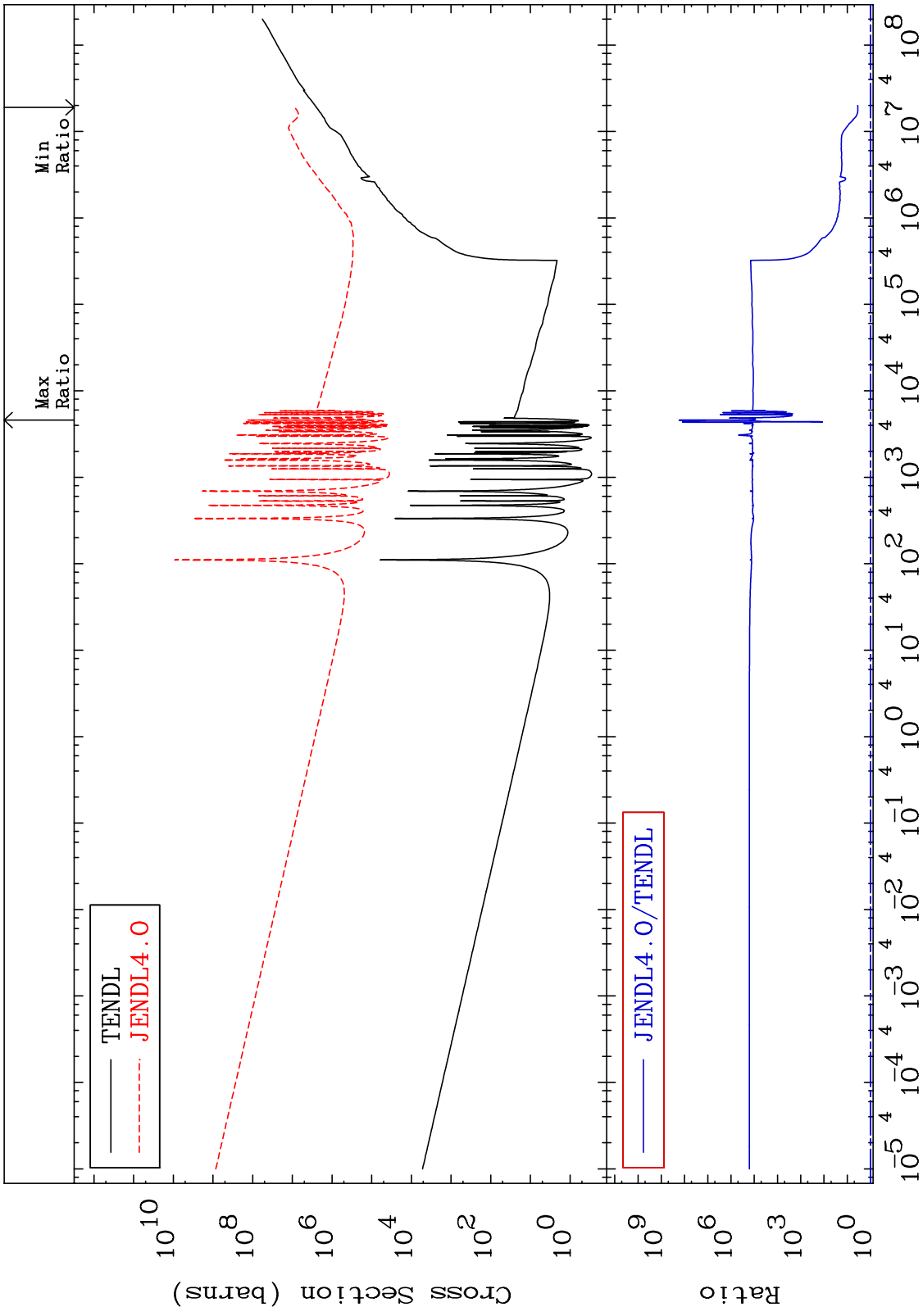


47

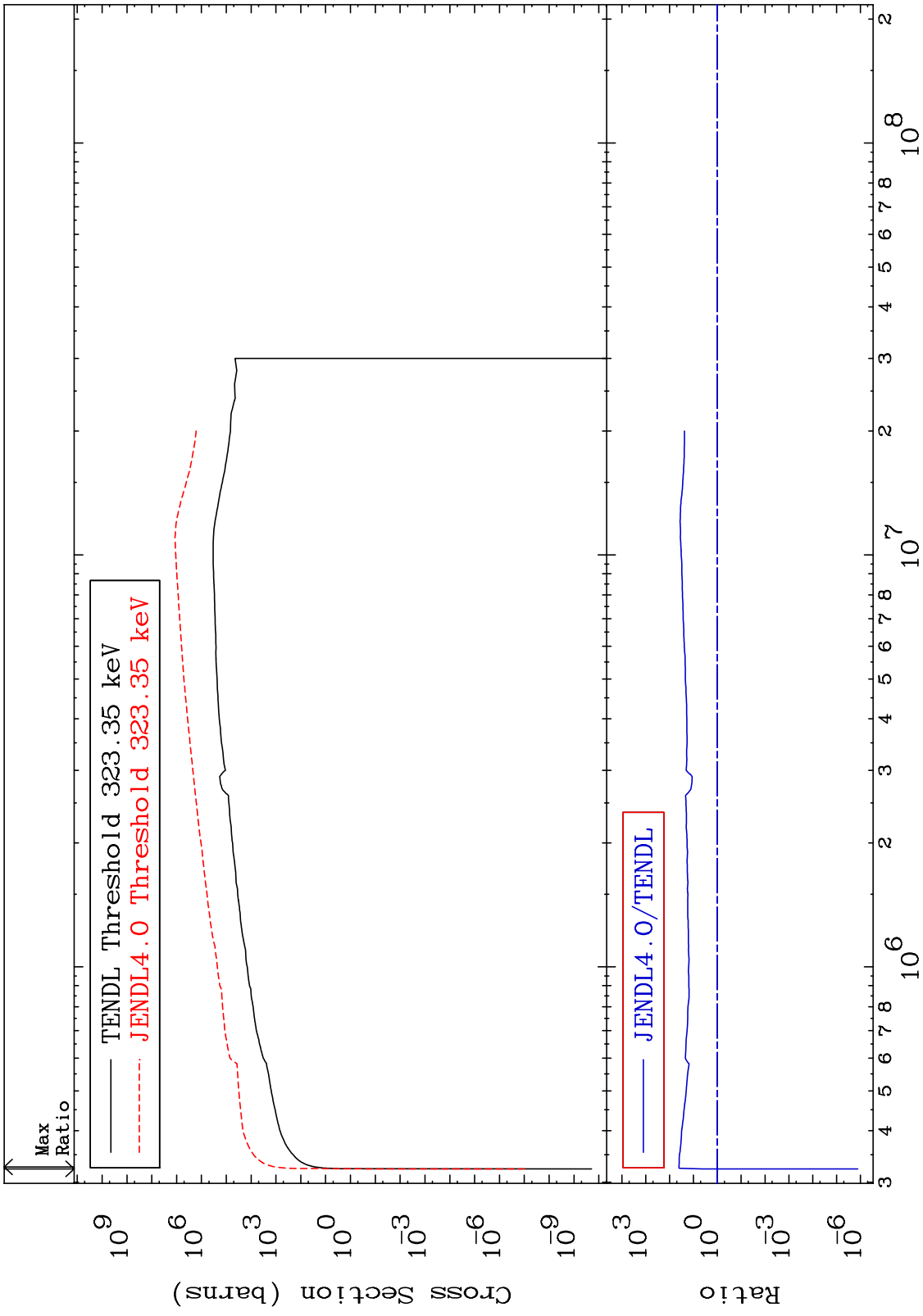
Incident Energy (eV)

31-Ga-69

MAT 3125 Kerma non-elastic (all but mt2) Cross Section 31-Ga-69 250.8 To 9999. %



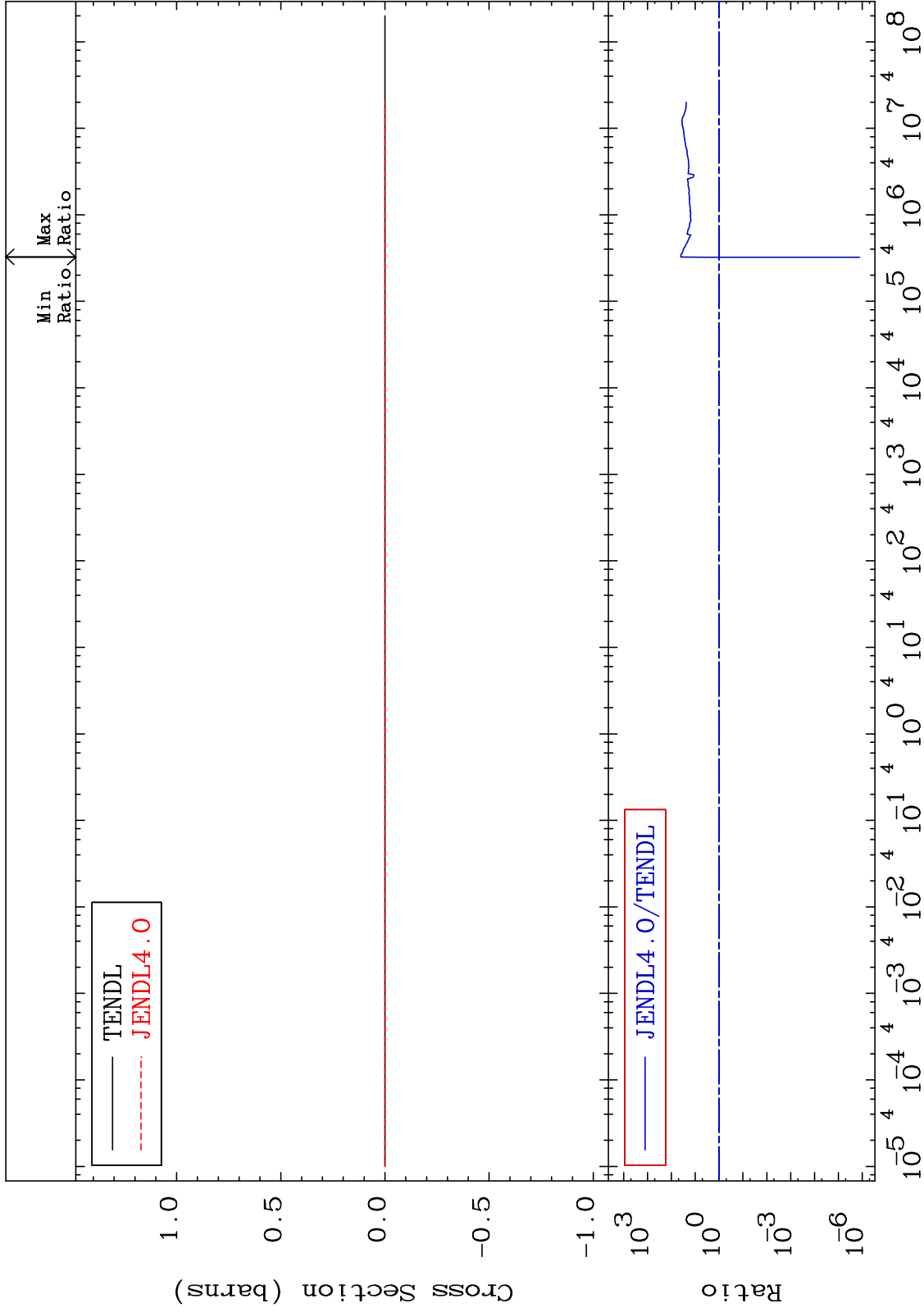
MAT 3125 Kerma inelastic (mt51-91) 31-Ga-69
 -100.0 To 3909. %
 Cross Section



MAT 3125

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

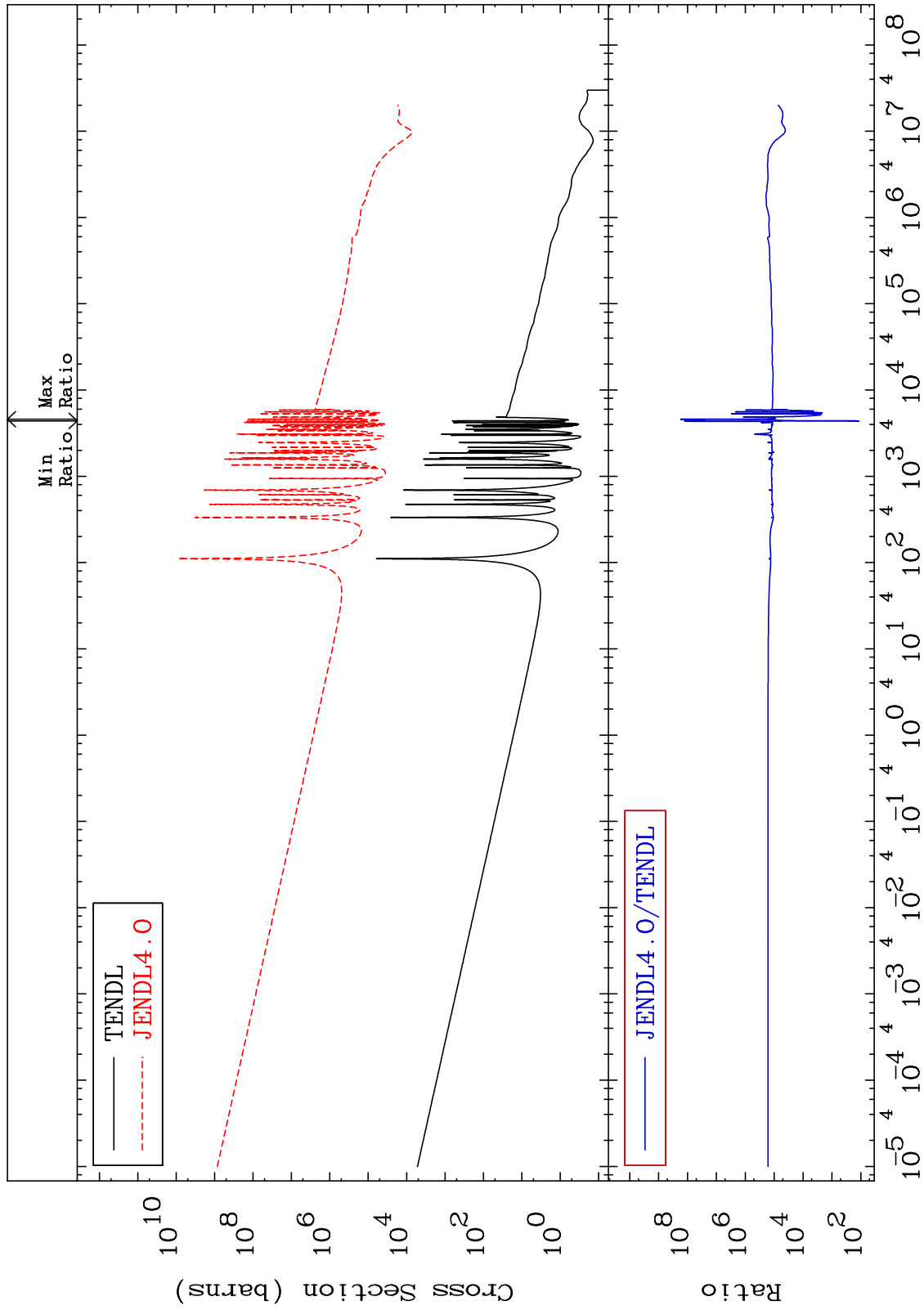
31-Ga-69
-100.0 To 3909. %



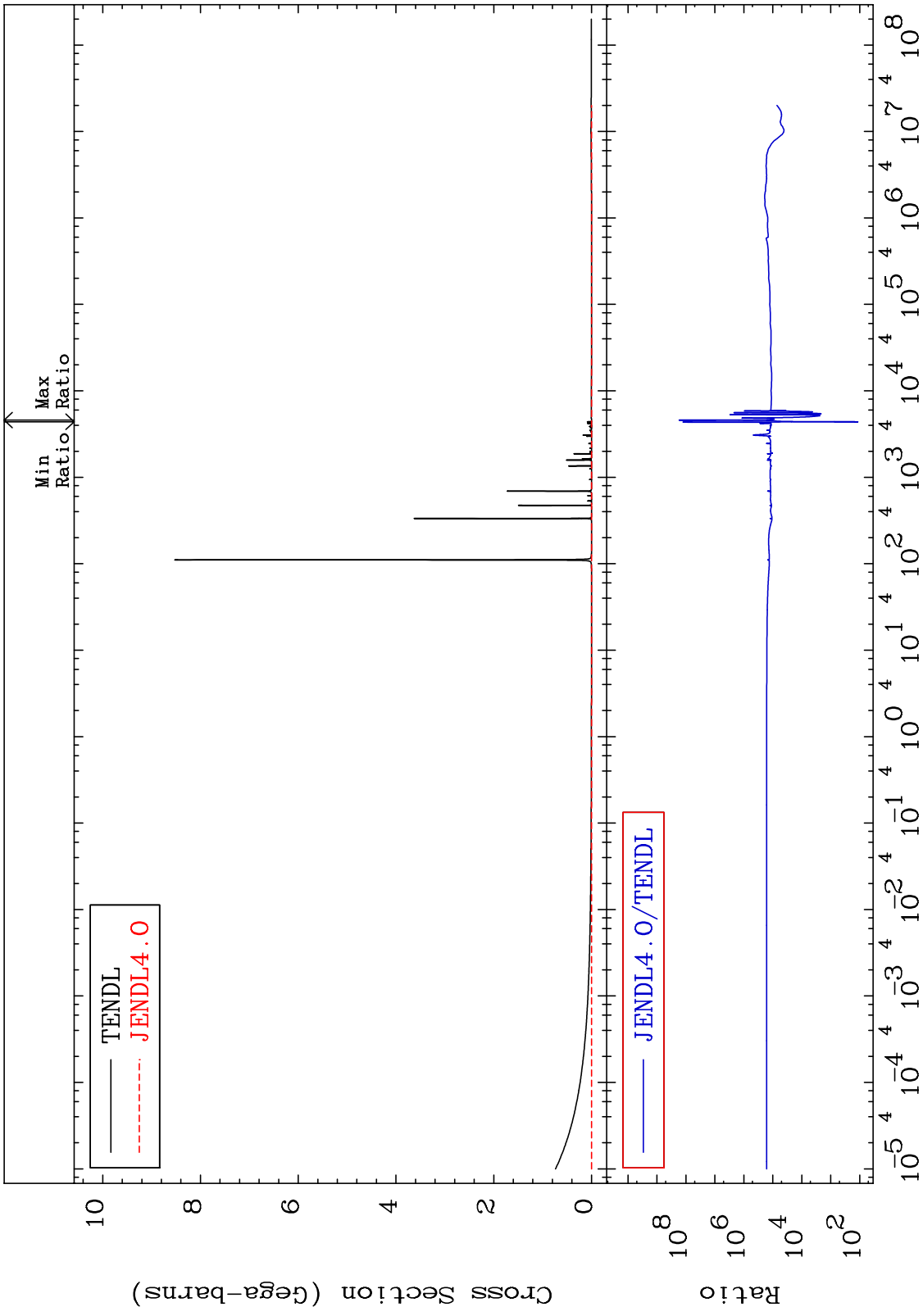
MAT 3125

Kerma capture (mt102)
Cross Section

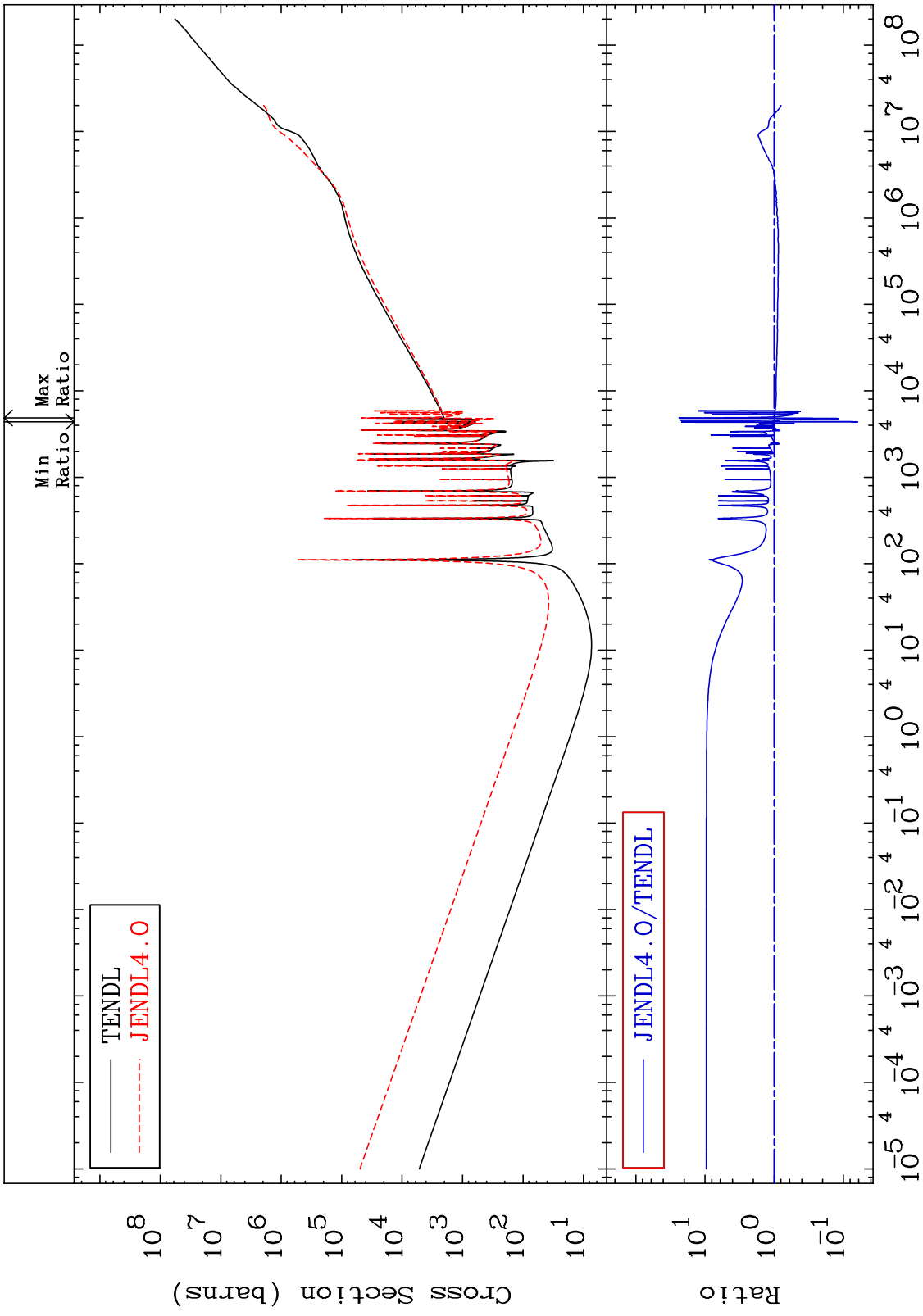
31-Ga-69
9999. To 9999. %



MAT 3125 Total photon (eV-barns) Cross Section 31-Ga-69 9999. To 9999. %

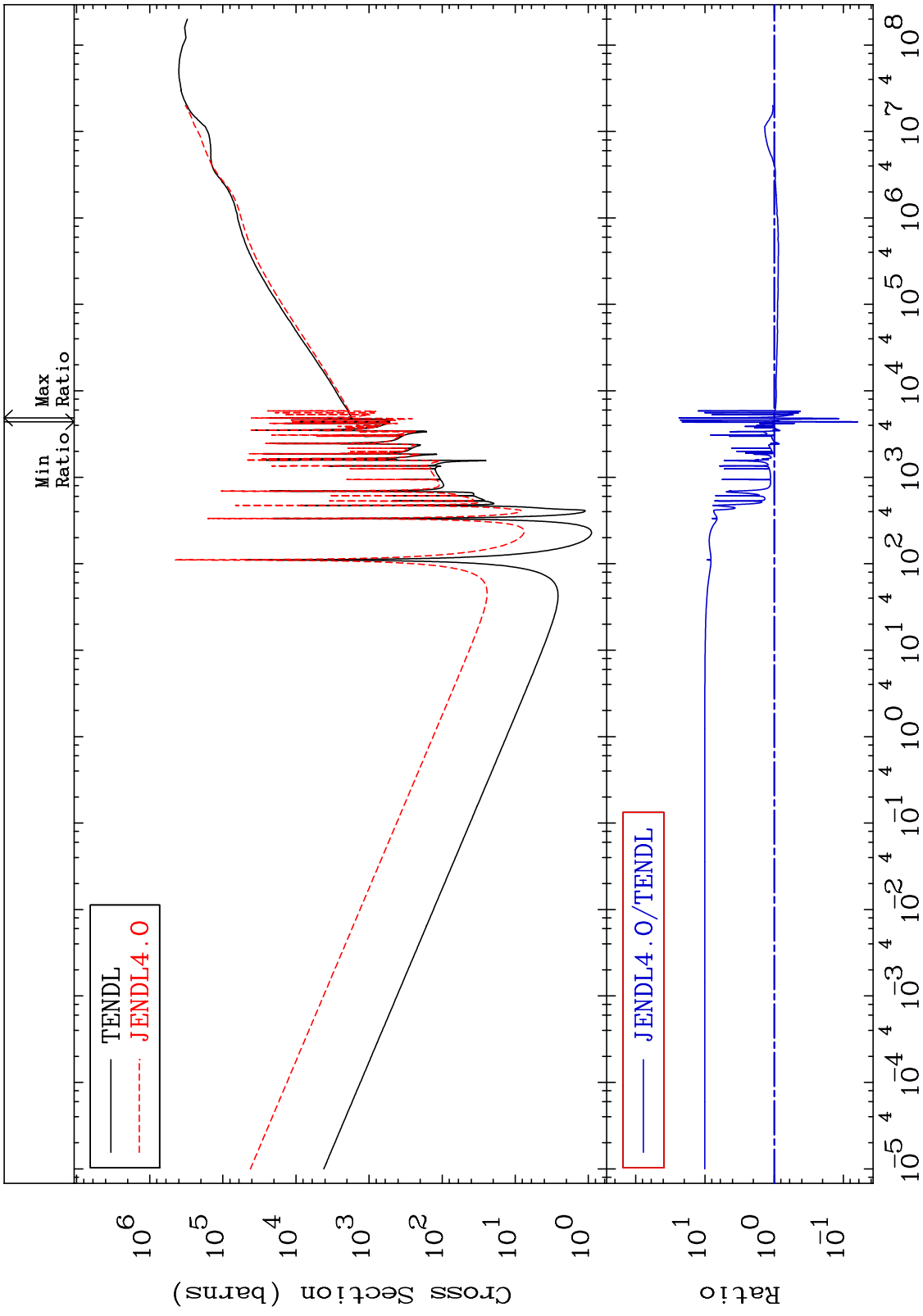


MAT 3125 Total kinematic kerma (high limit) 31-Ga-69
 Cross Section -93.82 To 2272. %



53 Incident Energy (eV) 31-Ga-69

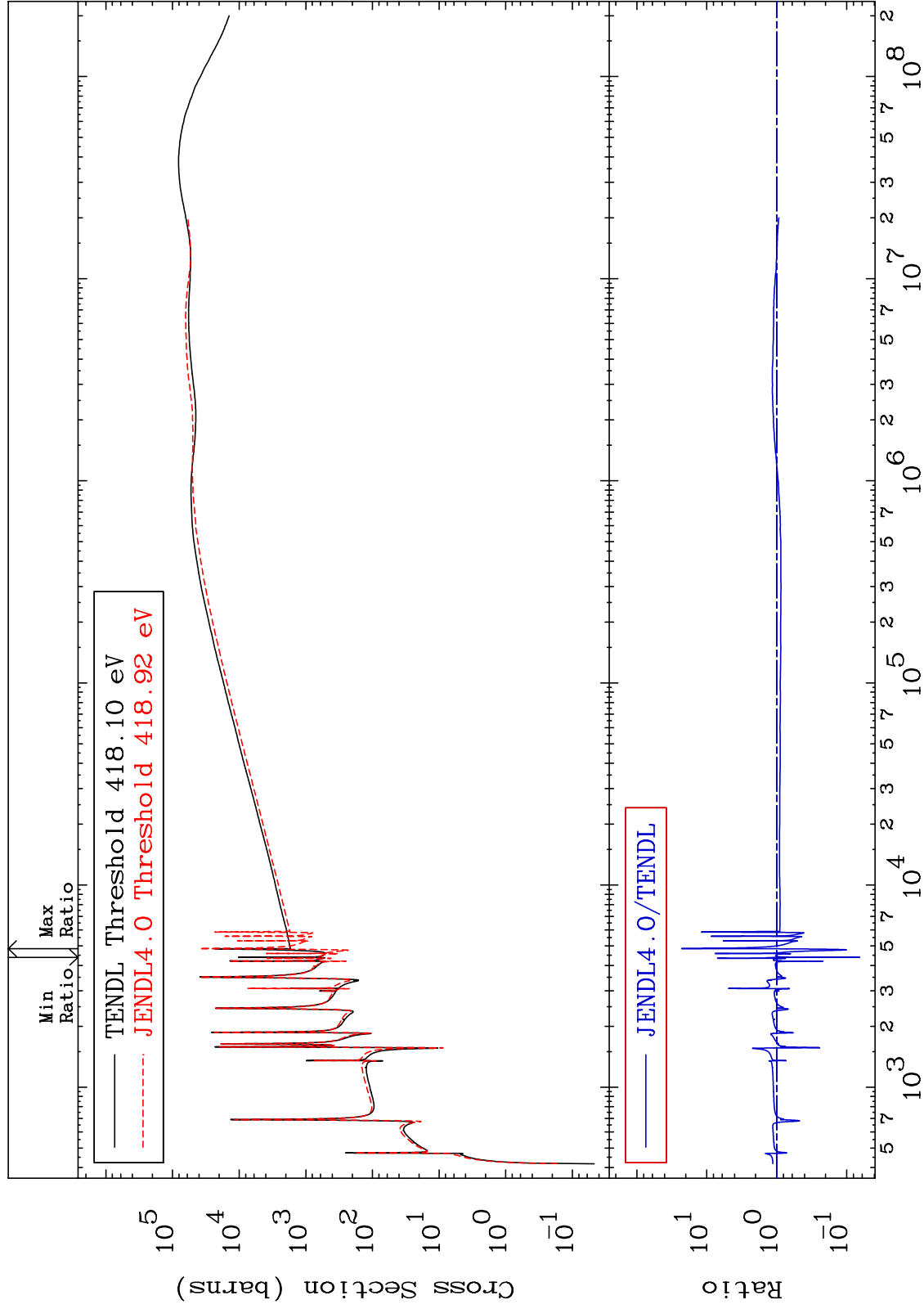
MAT 3125 Dpa total (eV-barns) 31-Ga-69
 Cross Section -93.80 To 2270. %



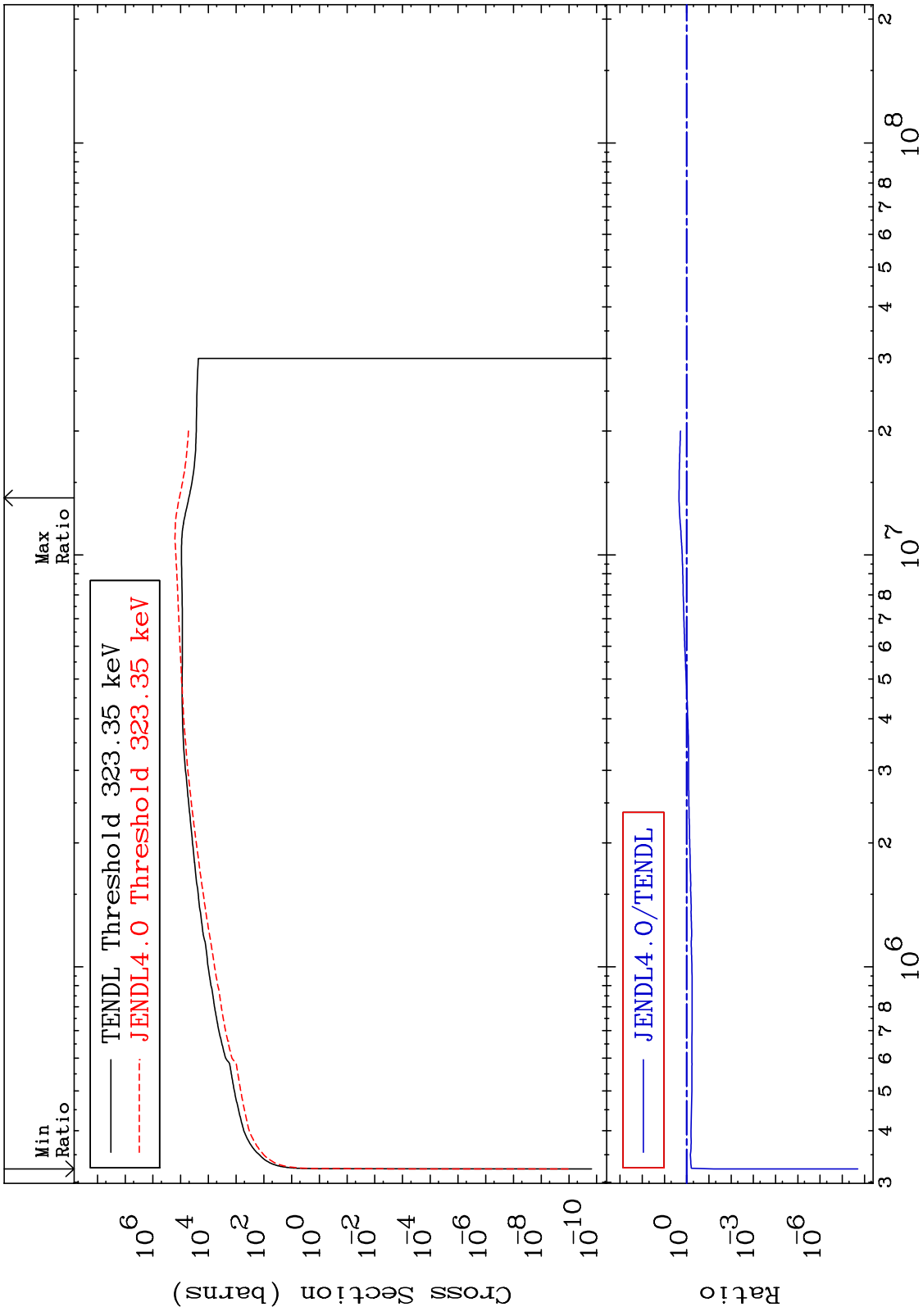
MAT 3125

Dpa elastic (mt2)
Cross Section

31-Ga-69
-93.53 To 2200. %



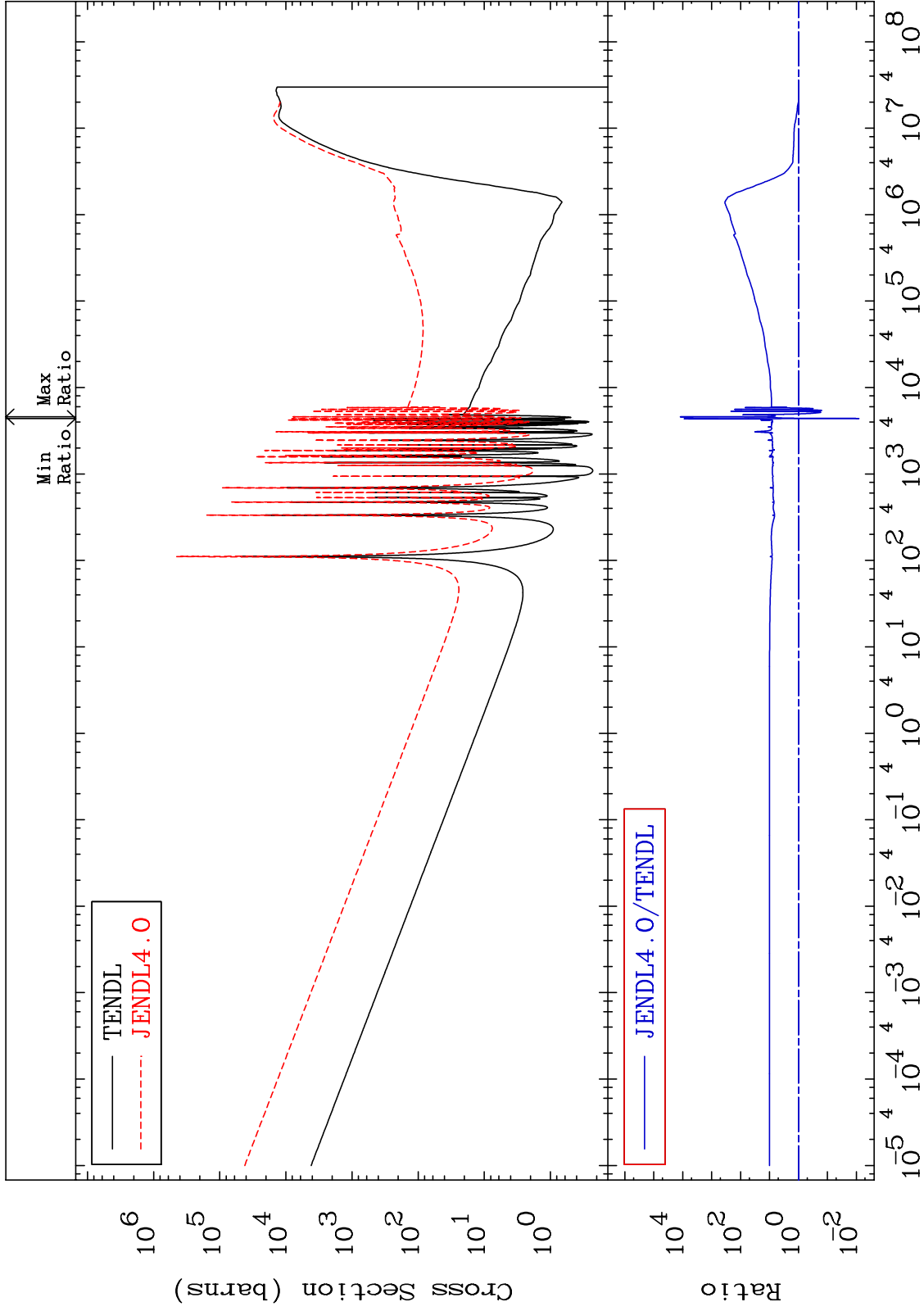
MAT 3125 Dpa inelastic (mt51-91) 31-Ga-69
 Cross Section -100.0 To 121.1 %



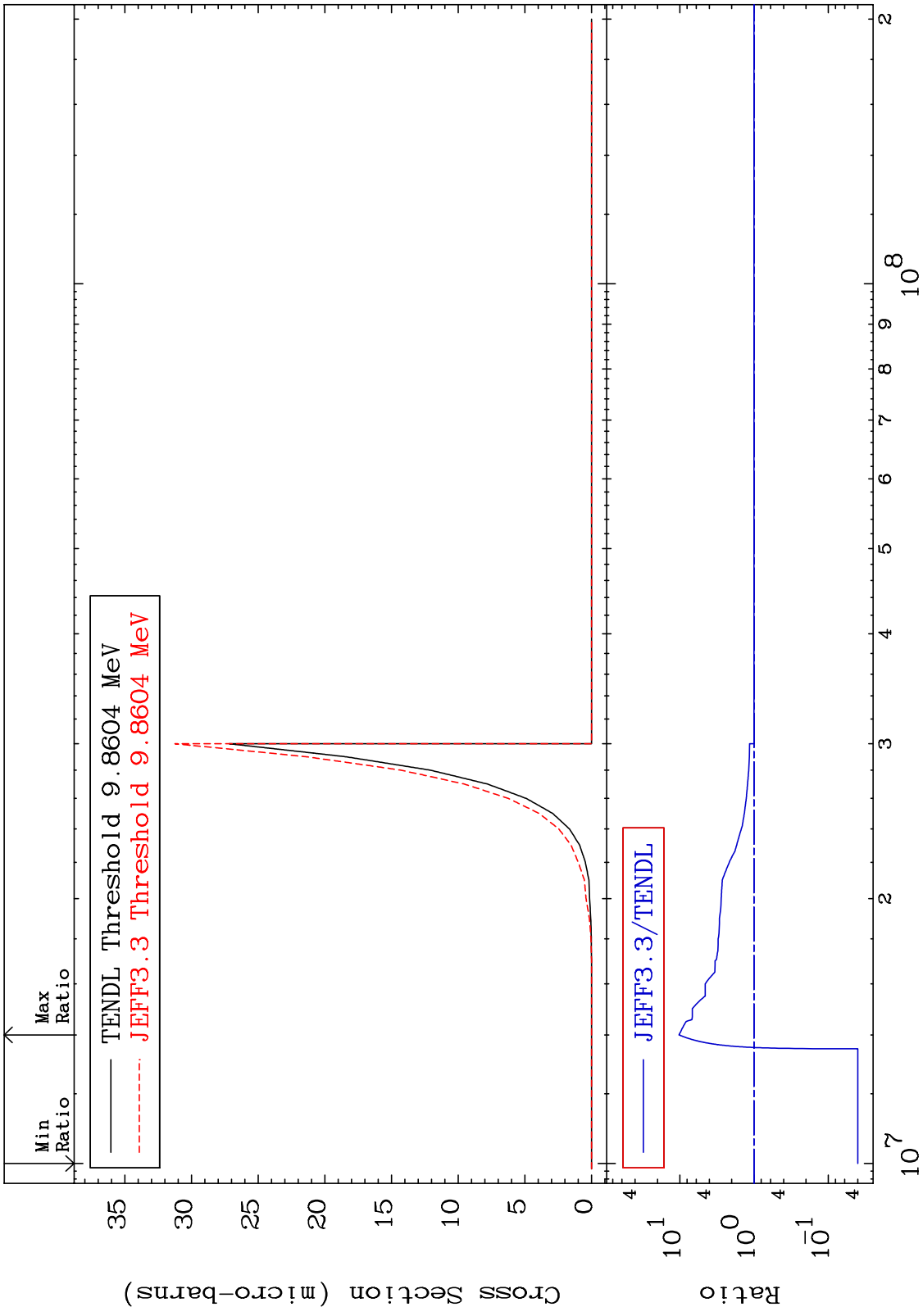
MAT 3125

Dpa disappearance (mt102 -120)
Cross Section

31-Ga-69
-99.18 To 9999. %



MAT 3125 (n,d) α 31-Ga-69
Cross Section -96.00 To 923.8 %



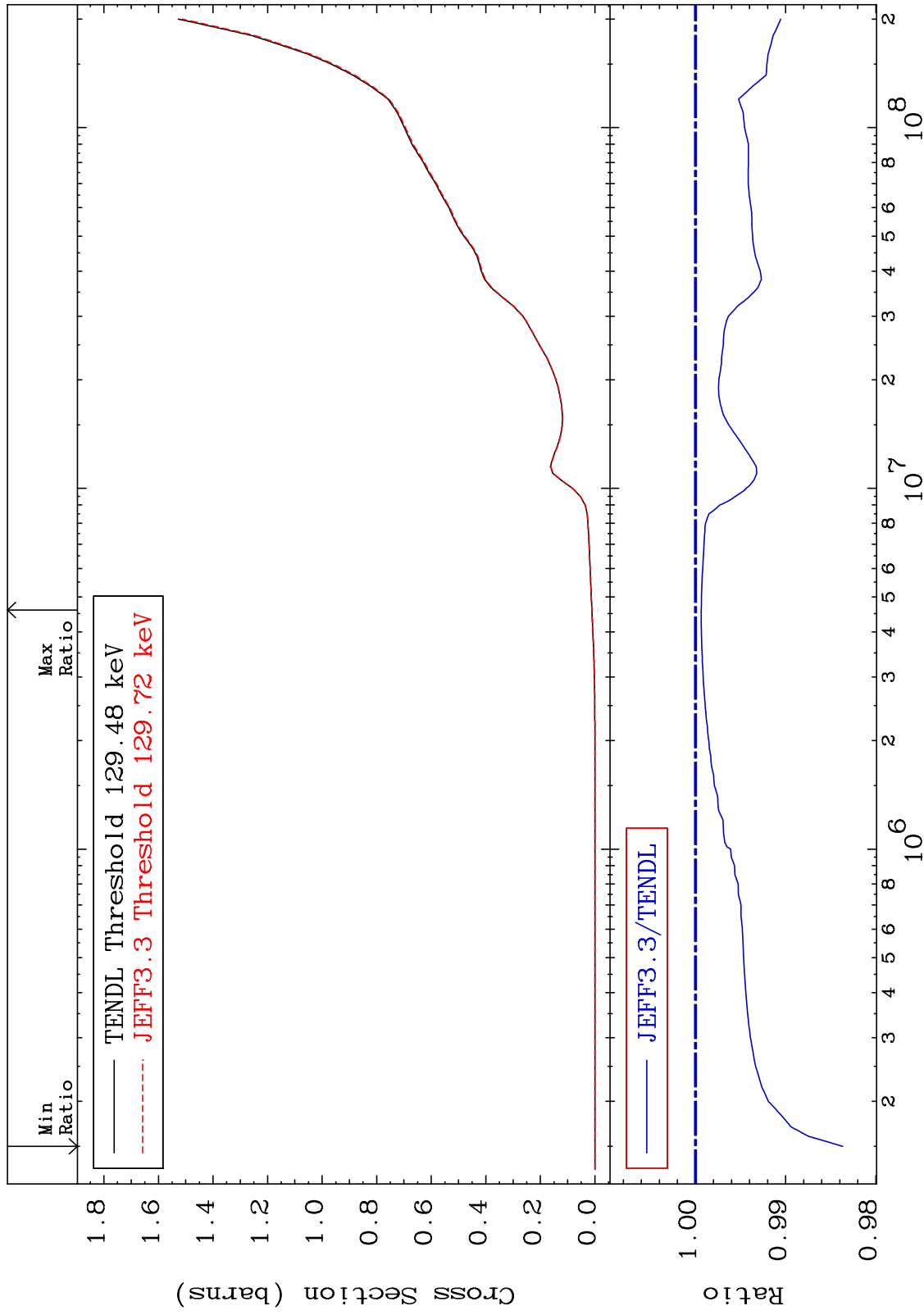
31-Ga-69

Incident Energy (eV)

MAT 3125

Hydrogen Production
Cross Section

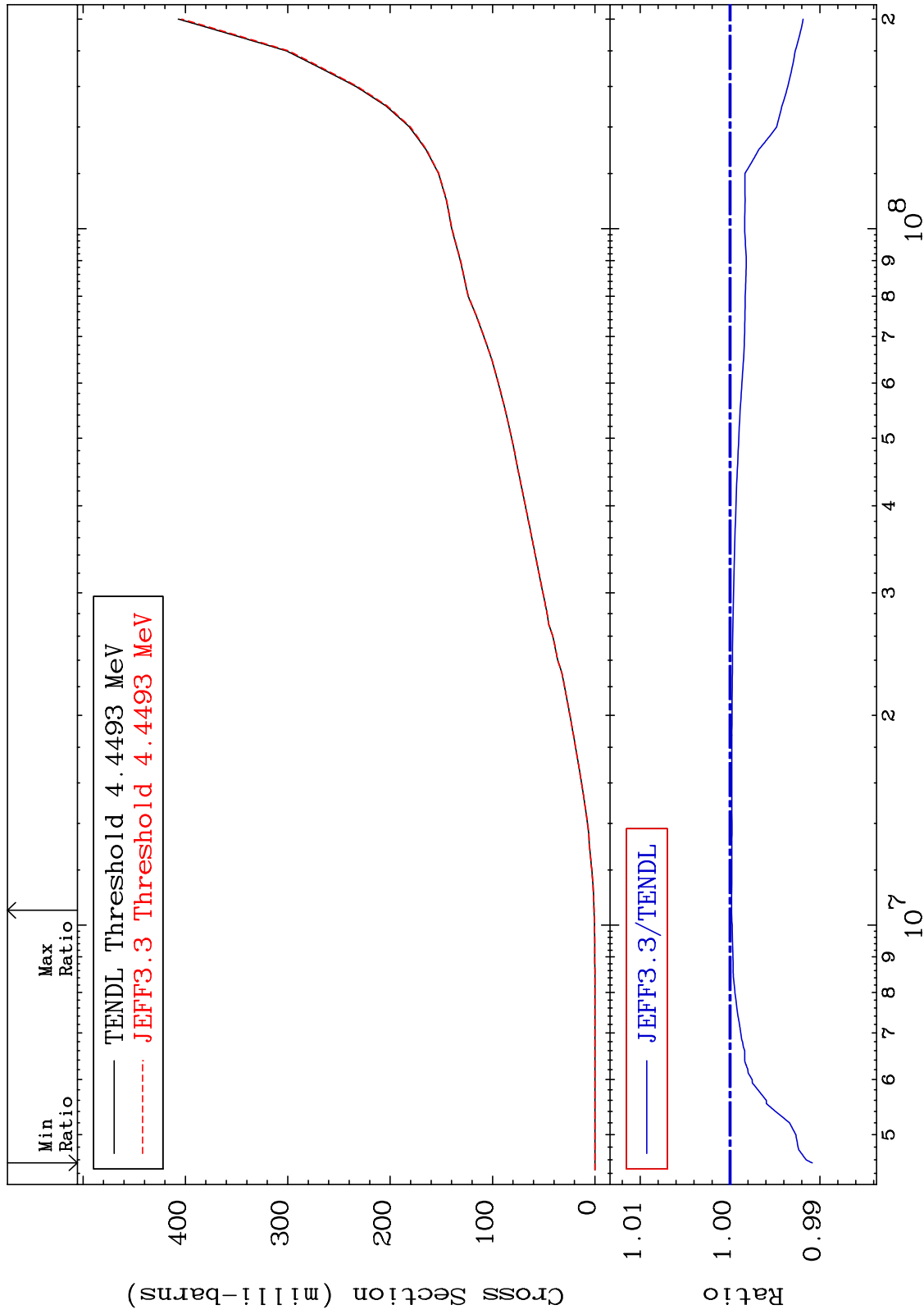
³¹Ga-69
-1.631 To -0.064%



MAT 3125

Deuterium Production
Cross Section

31-Ga-69
-0.915 To -0.017%



60

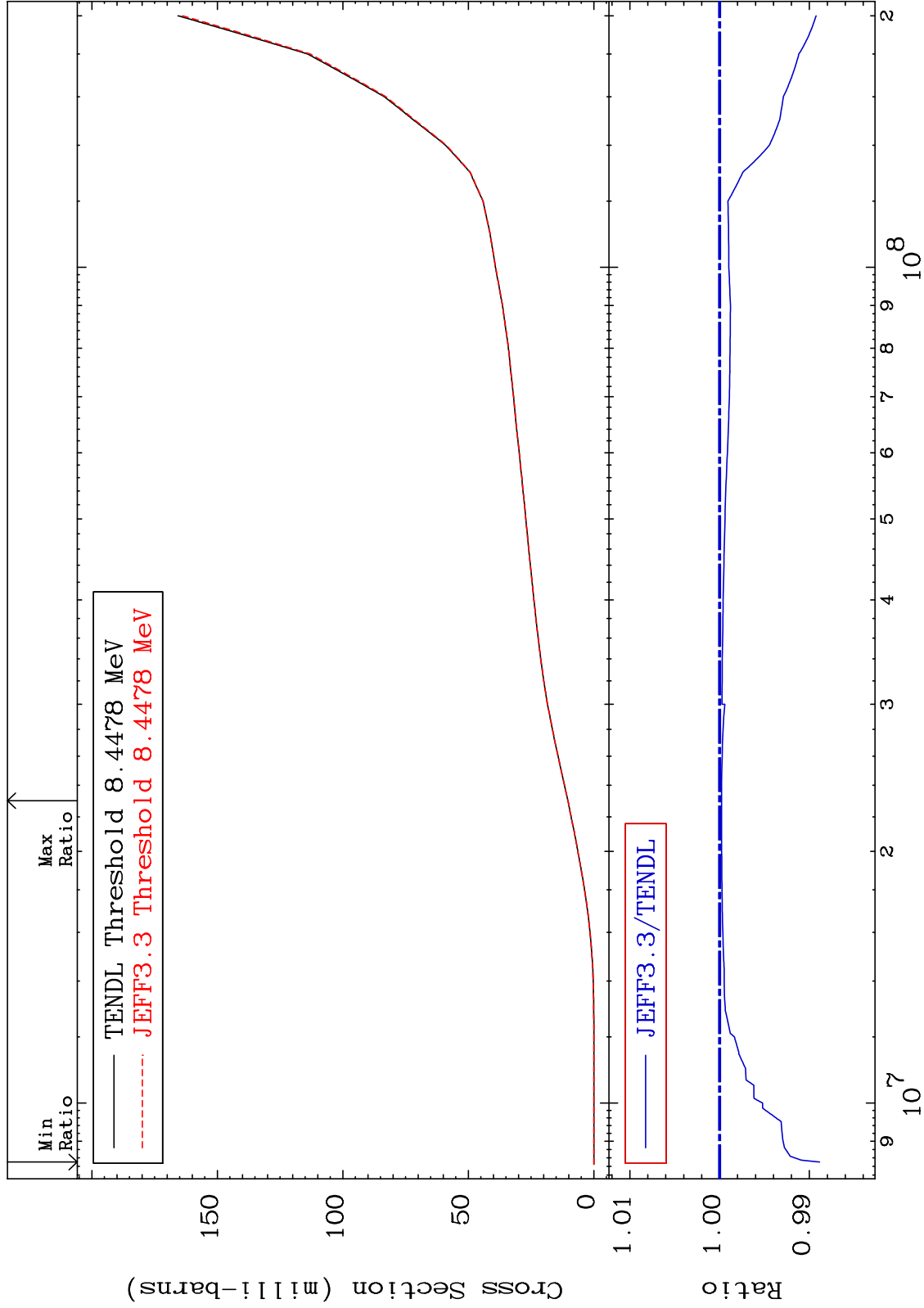
Incident Energy (eV)

31-Ga-69

MAT 3125

Tritium Production
Cross Section

31-Ga-69
-1.113 To -0.021%



61

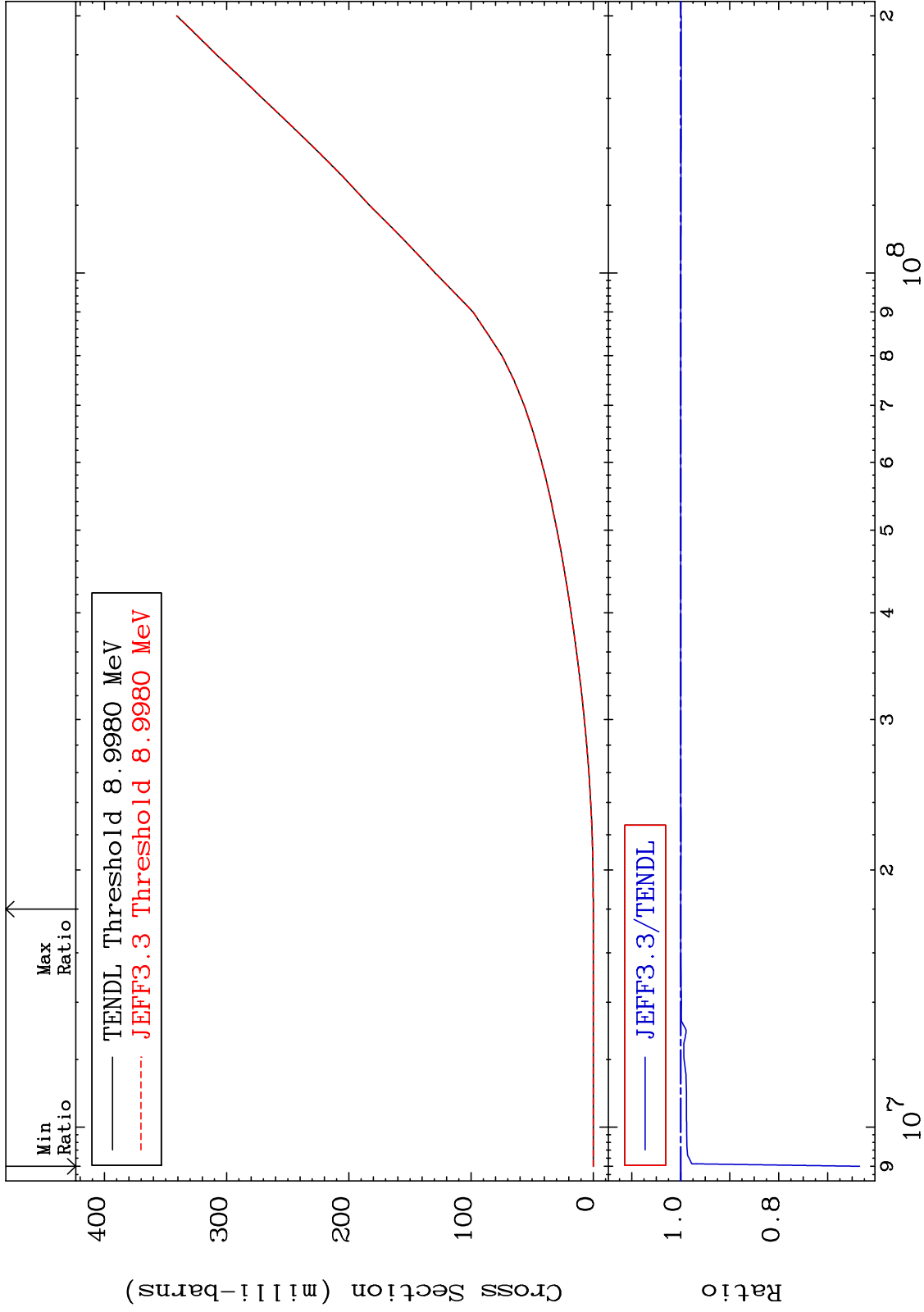
Incident Energy (eV)

31-Ga-69

MAT 3125

He-3 Production
Cross Section

31-Ga-69
-36.54 To -0.014%



62

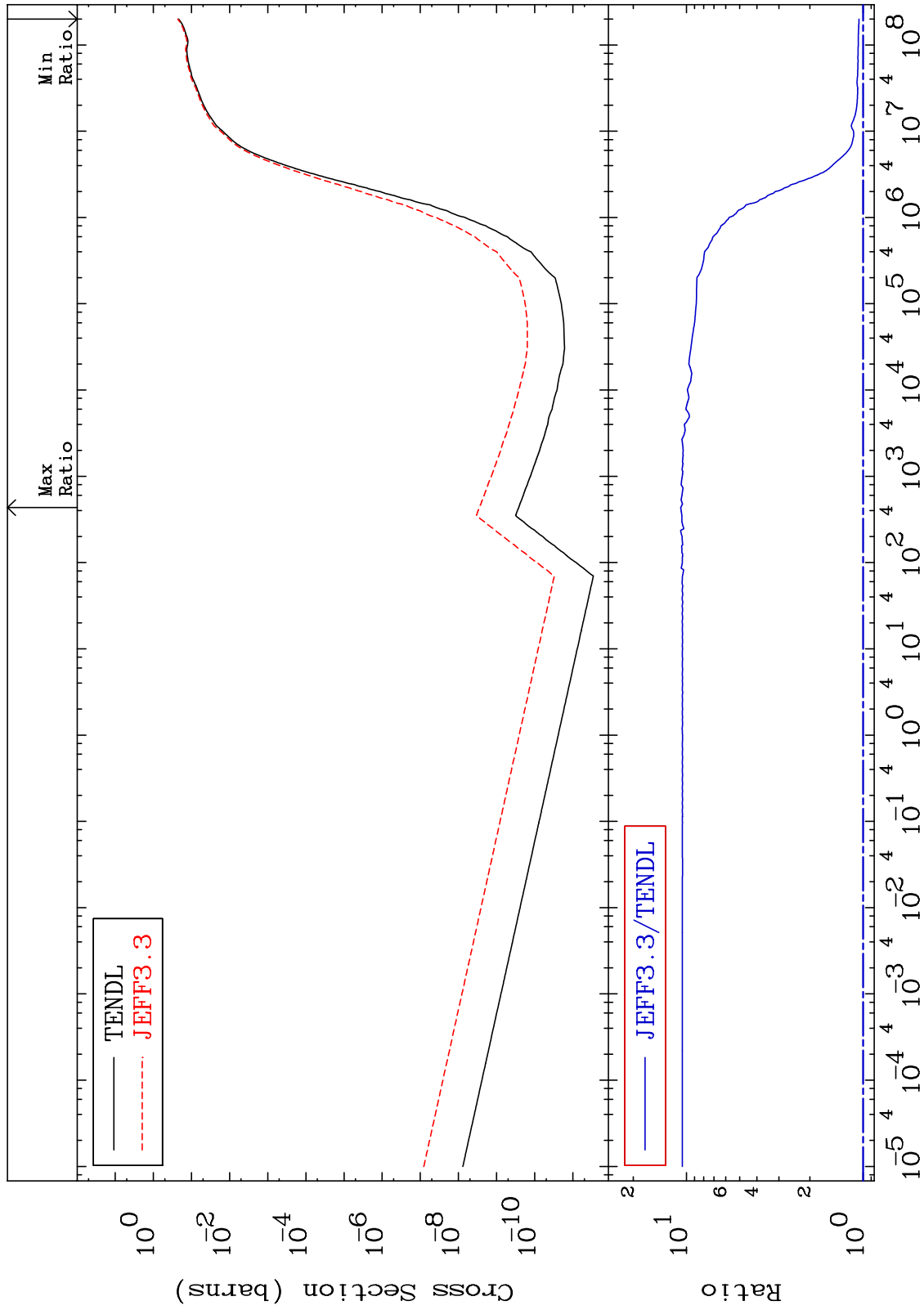
Incident Energy (eV)

31-Ga-69

MAT 3125

He-4 Production
Cross Section

31-Ga-69
To 979.7 %

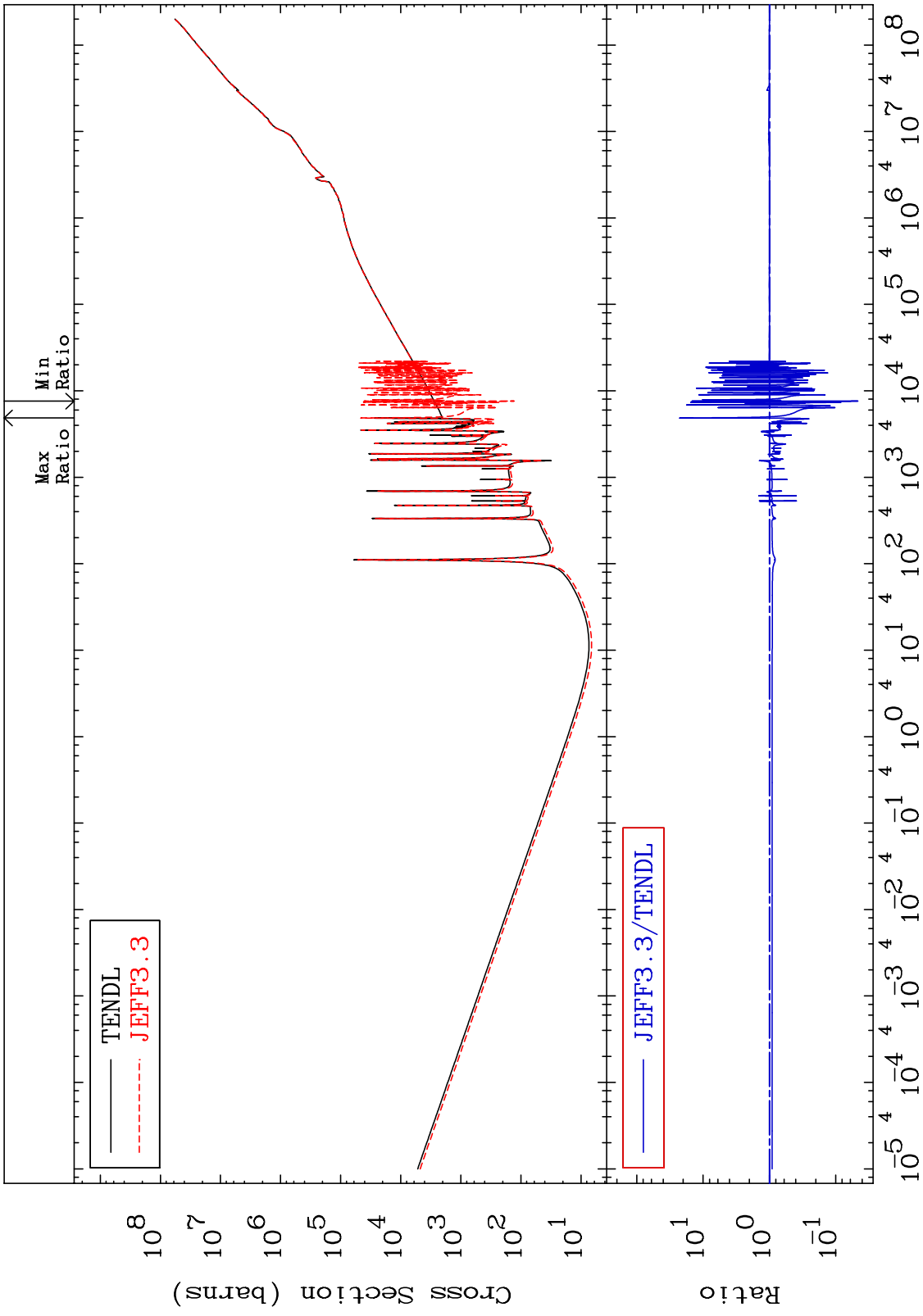


63

Incident Energy (eV)

31-Ga-69

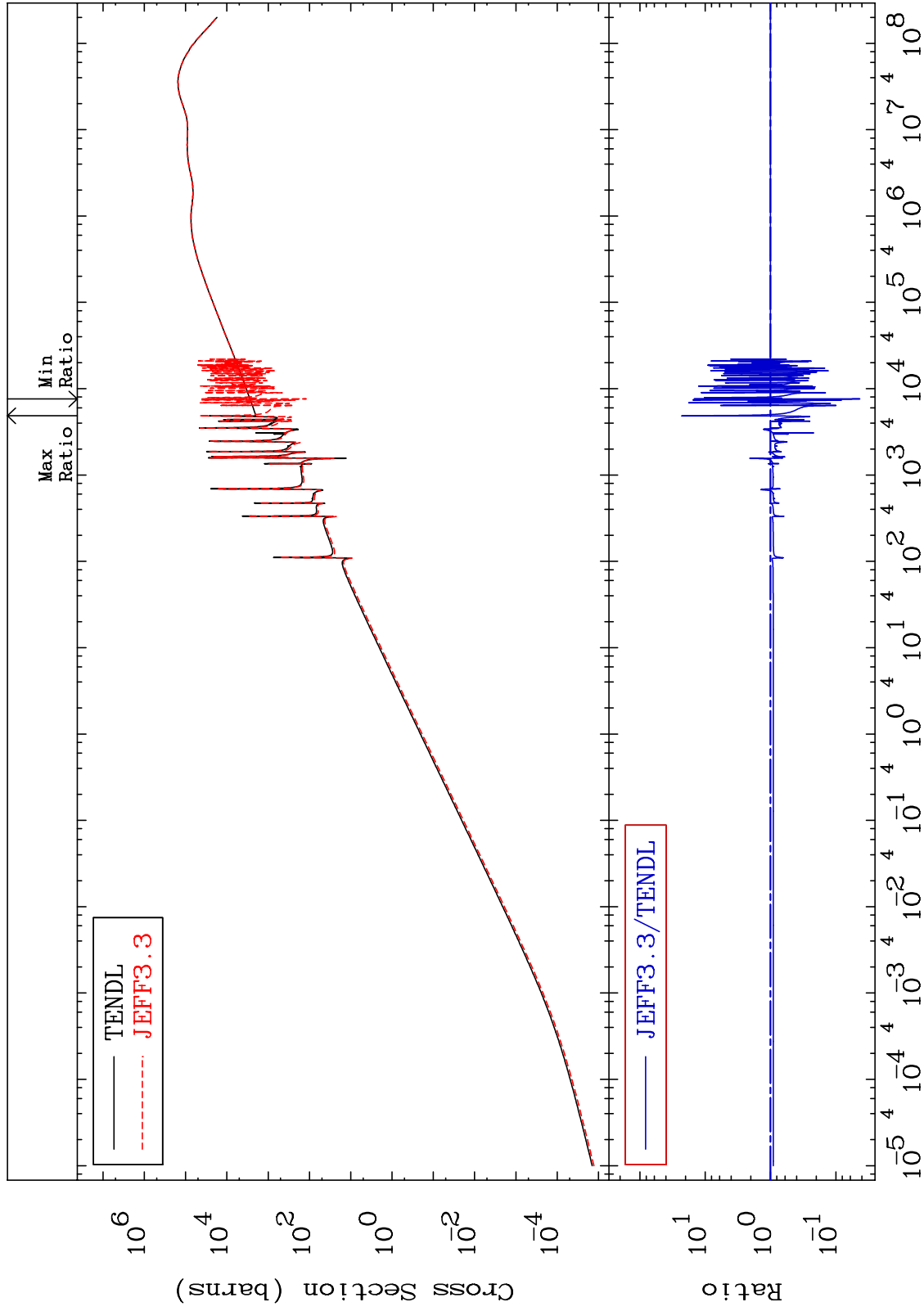
MAT 3125 Kerma total (eV-barns) 31-Ga-69
 Cross Section -95.36 To 2203. %



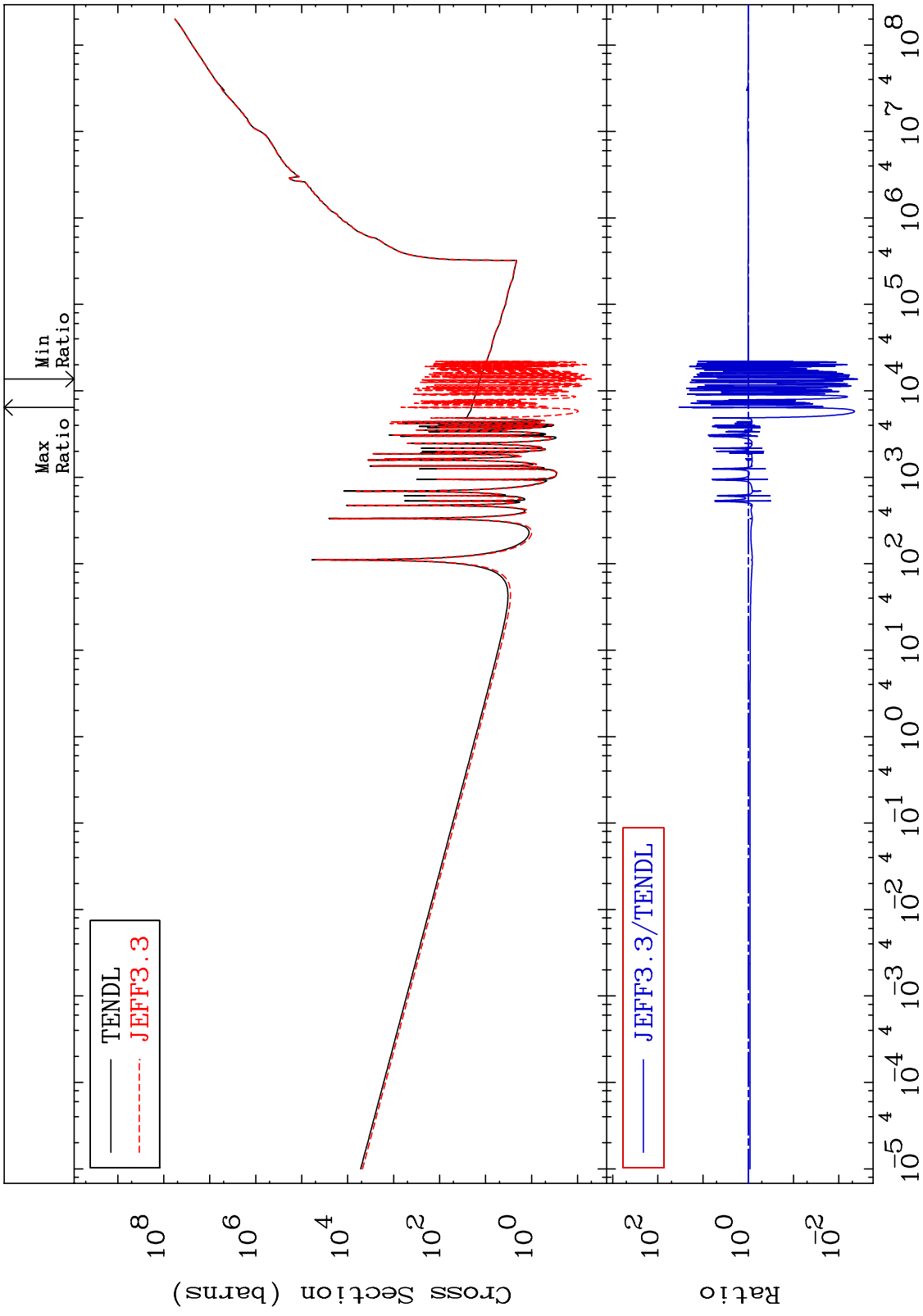
MAT 3125

Kerma elastic
Cross Section

31-Ga-69
-95.69 To 2225. %



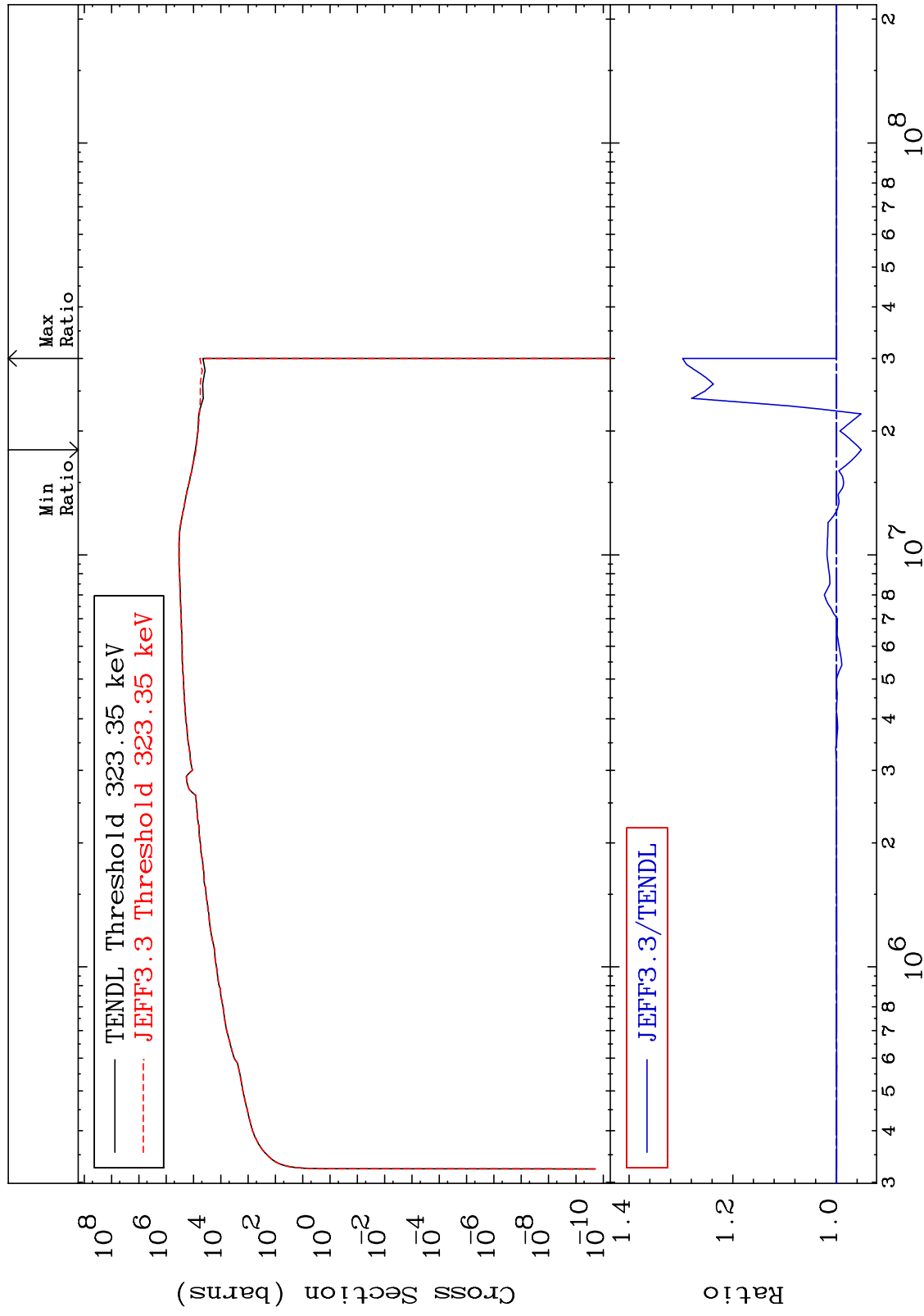
MAT 3125 Kerma non-elastic (all but mt2) 31-Ga-69
 Cross Section -99.62 To 3299. %



MAT 3125

Kerma inelastic (mt51-91)
Cross Section

31-Ga-69
-4.797 To 29.66 %



67

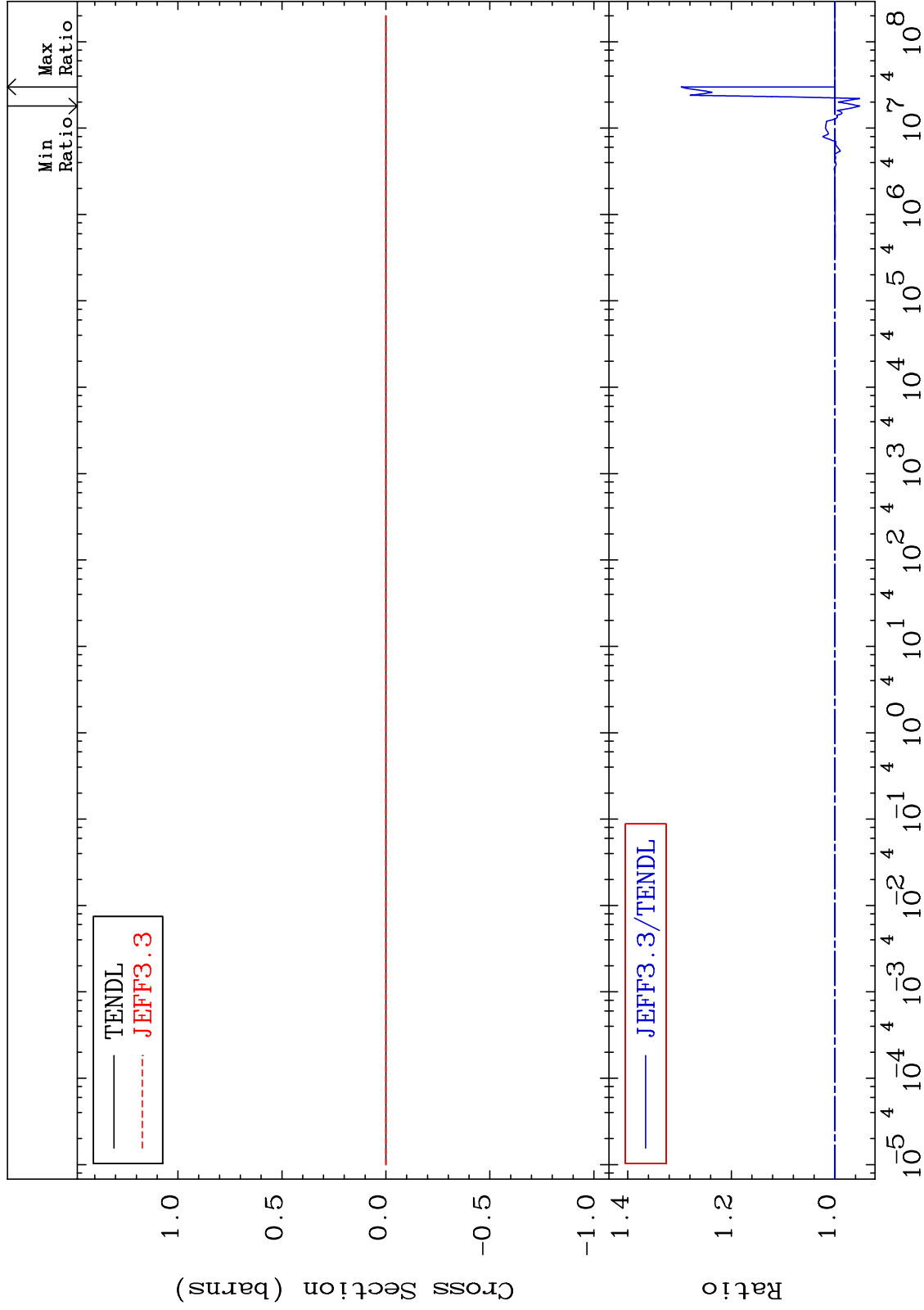
Incident Energy (eV)

31-Ga-69

MAT 3125

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

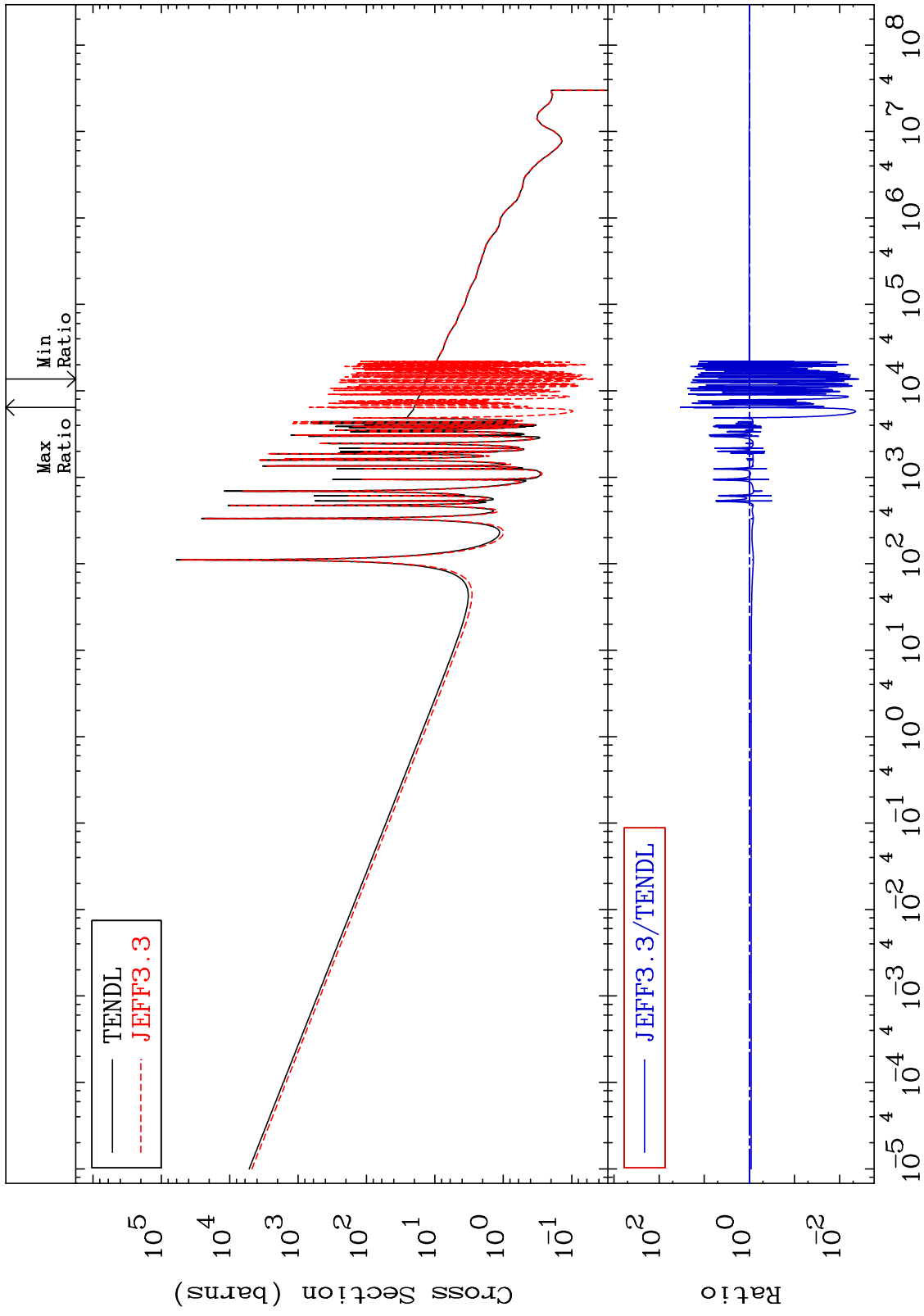
31-Ga-69
-4.797 To 29.66 %



MAT 3125

Kerma capture (mt102)
Cross Section

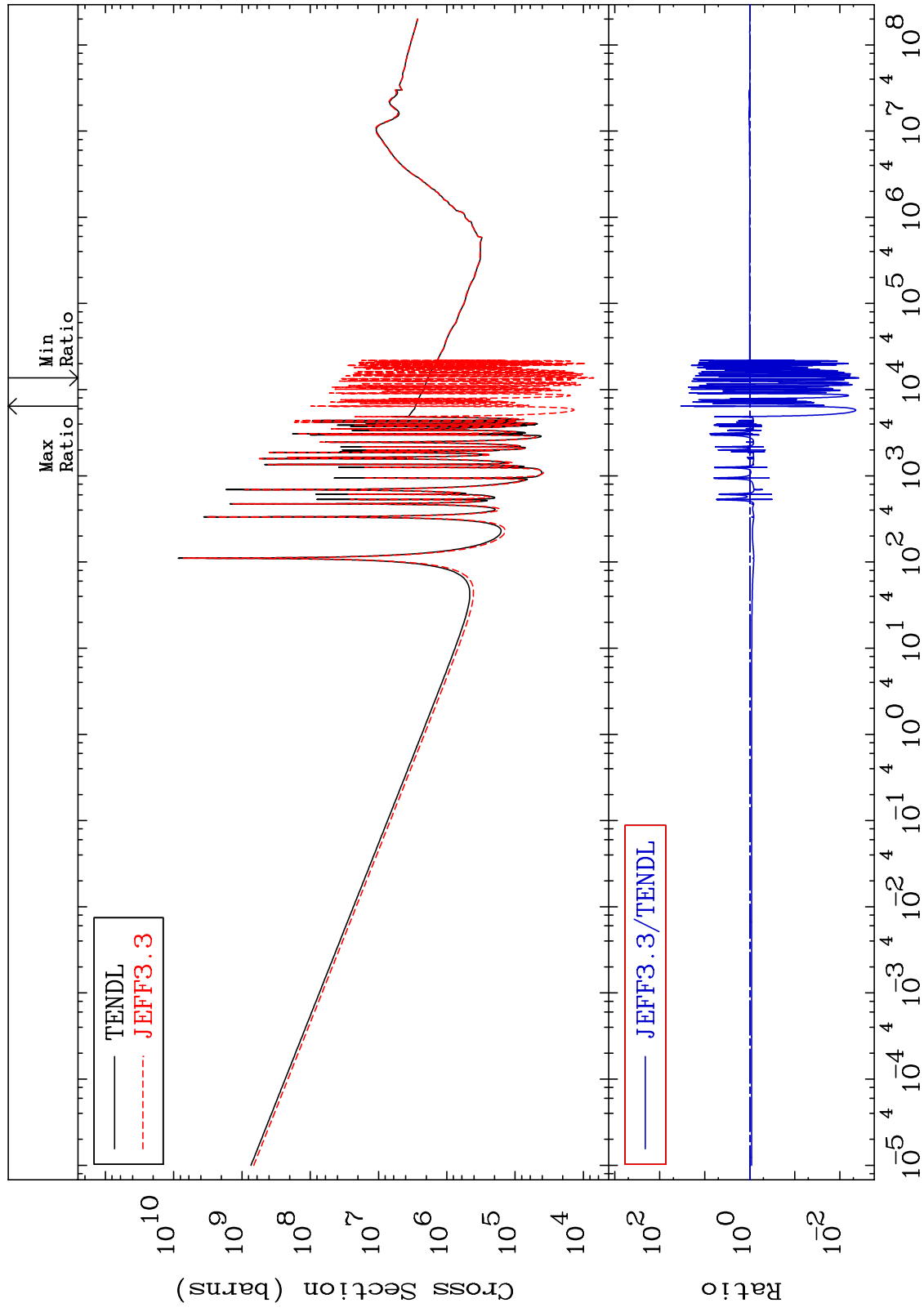
31-Ga-69
-99.63 To 3299. %



MAT 3125

Total photon (eV-barns)
Cross Section

31-Ga-69
-99.63 To 3299. %

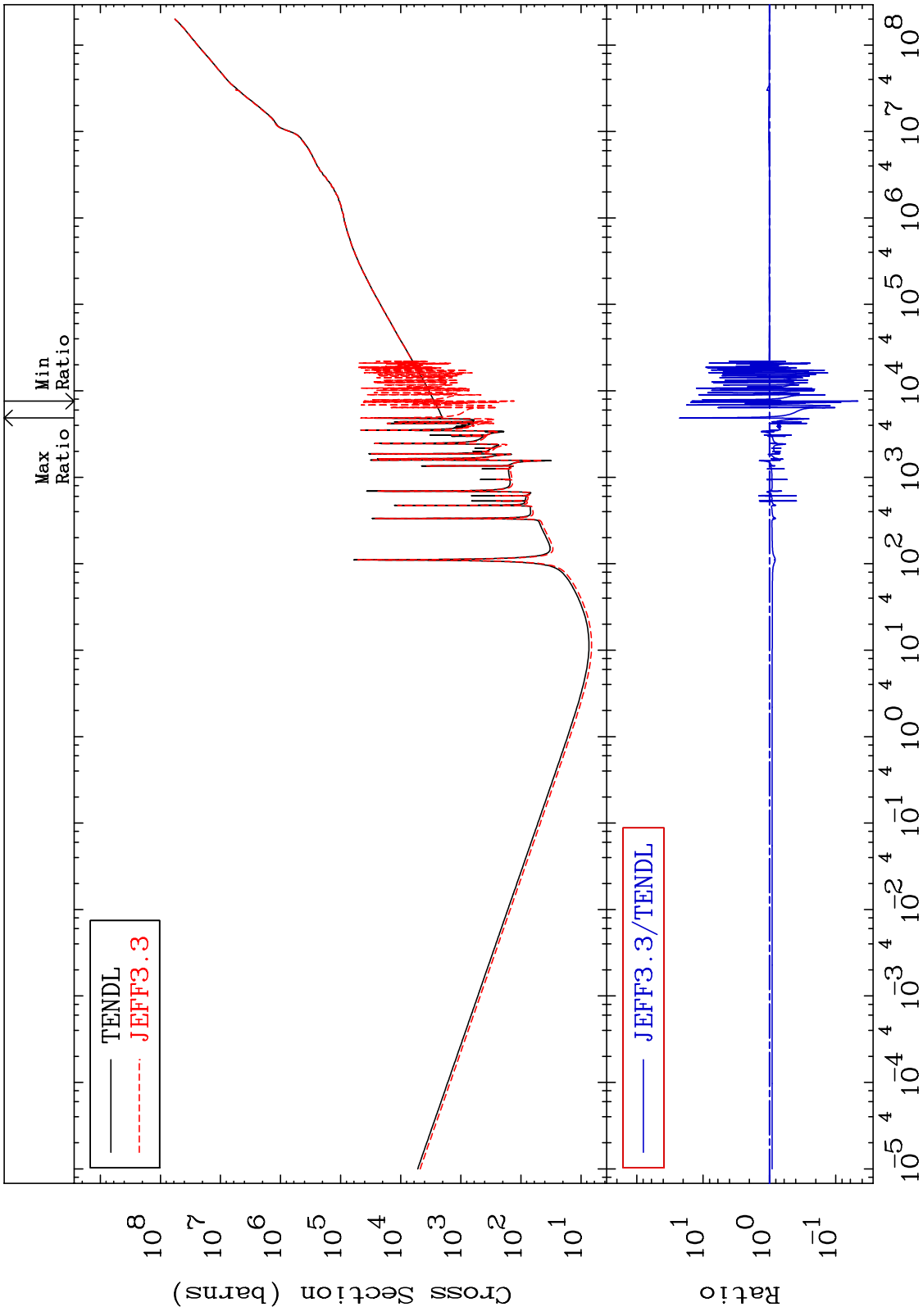


70

Incident Energy (eV)

31-Ga-69

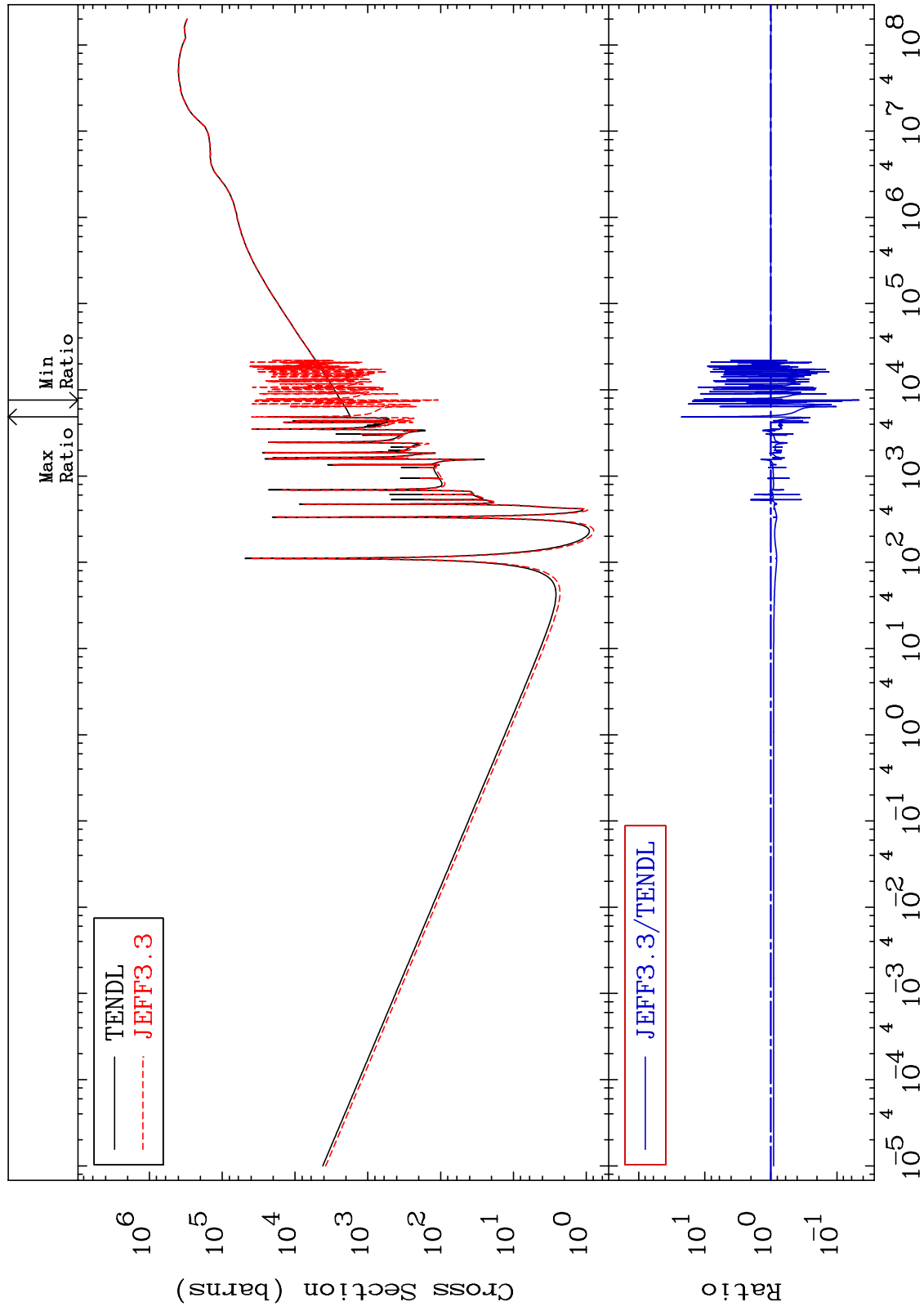
MAT 3125 Total kinematic kerma (high limit) 31-Ga-69
 Cross Section -95.36 To 2203. %



MAT 3125

Dpa total (eV-barns)
Cross Section

31-Ga-69
-95.38 To 2205. %



72

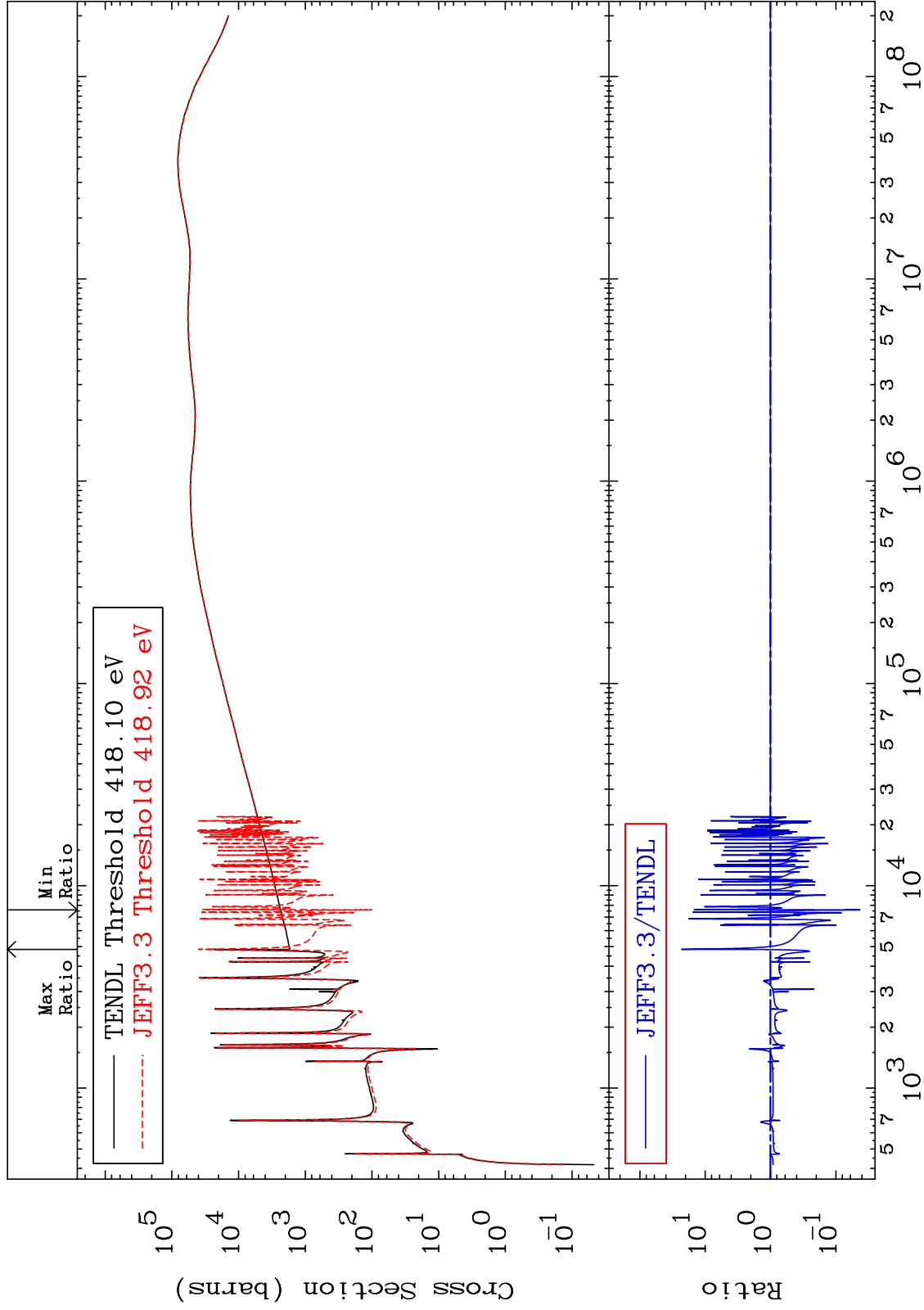
Incident Energy (eV)

31-Ga-69

MAT 3125

Dpa elastic (mt2)
Cross Section

31-Ga-69
-95.69 To 2225. %



73

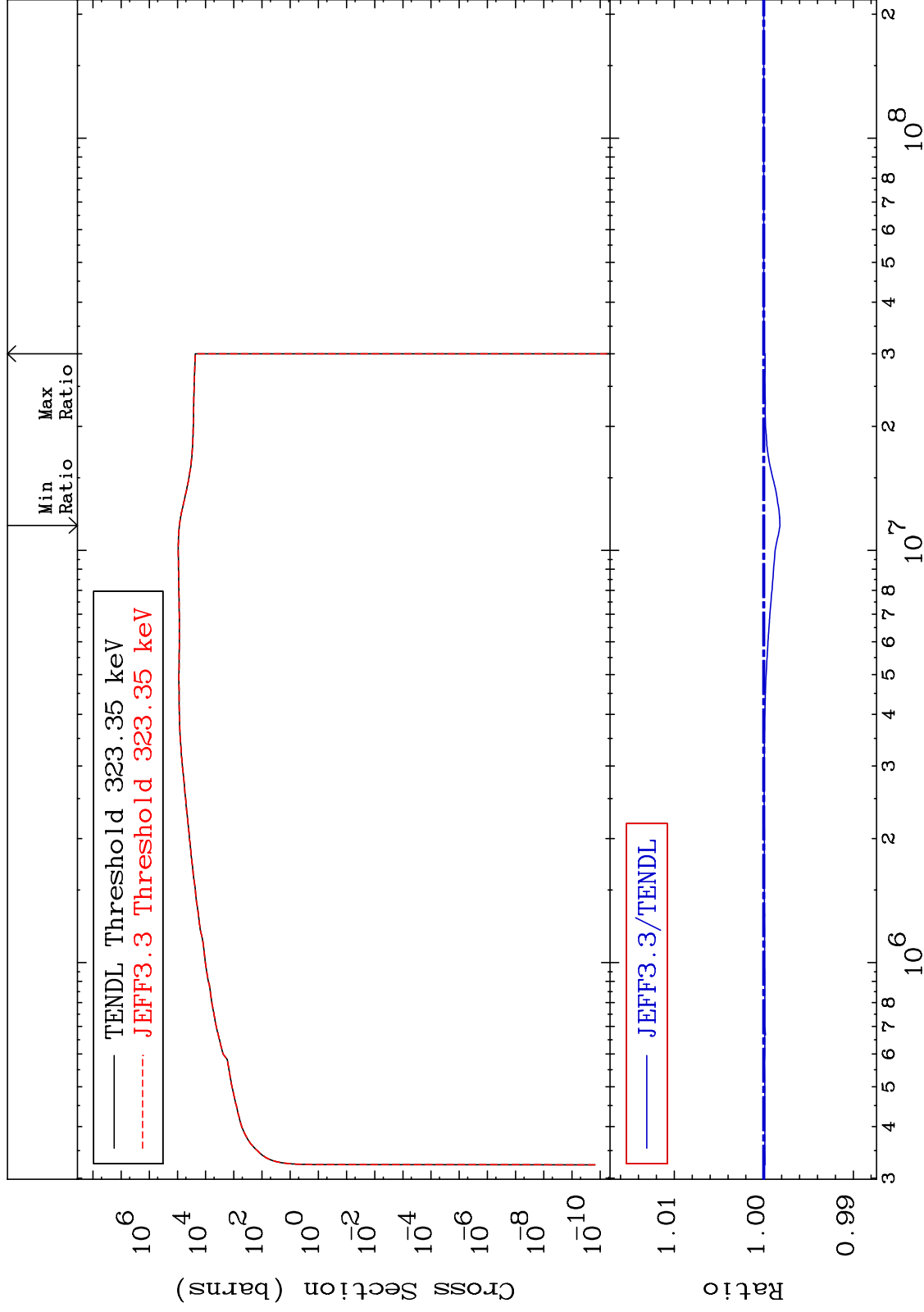
Incident Energy (eV)

31-Ga-69

MAT 3125

Dpa inelastic (mt51-91)
Cross Section

31-Ga-69
-0.181 To 0.000 %



74

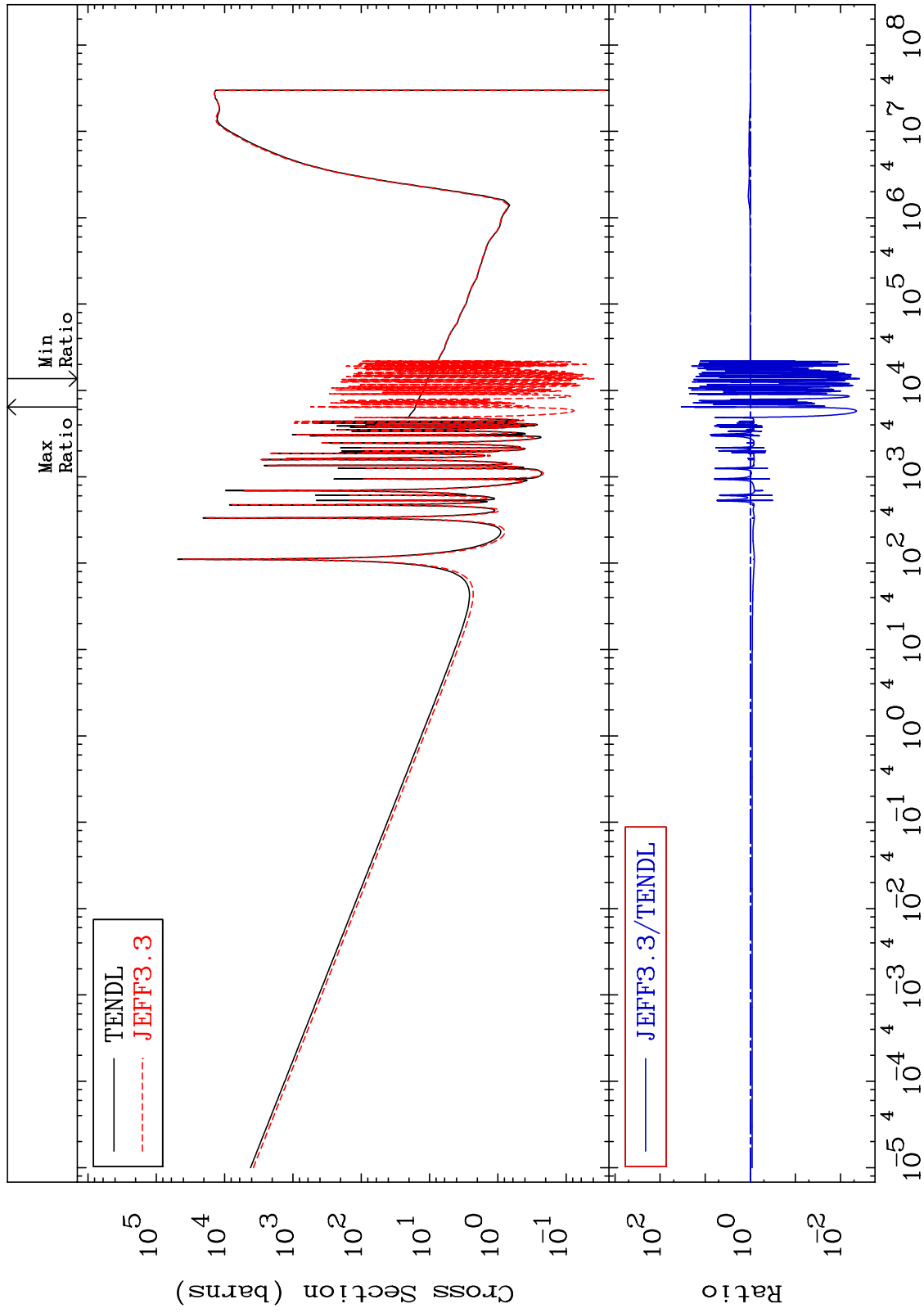
Incident Energy (eV)

31-Ga-69

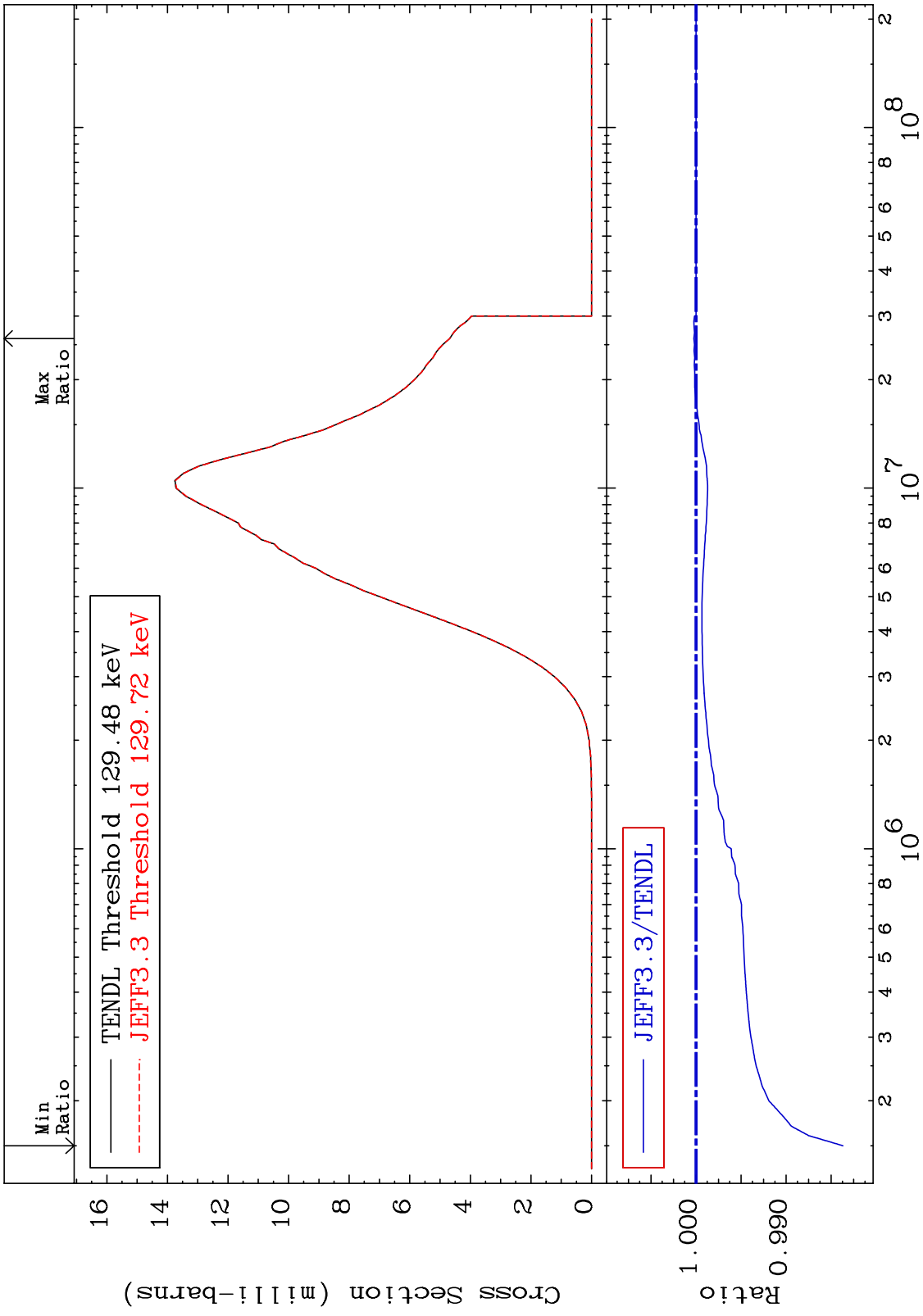
MAT 3125

Dpa disappearance (mt102 -120)
Cross Section

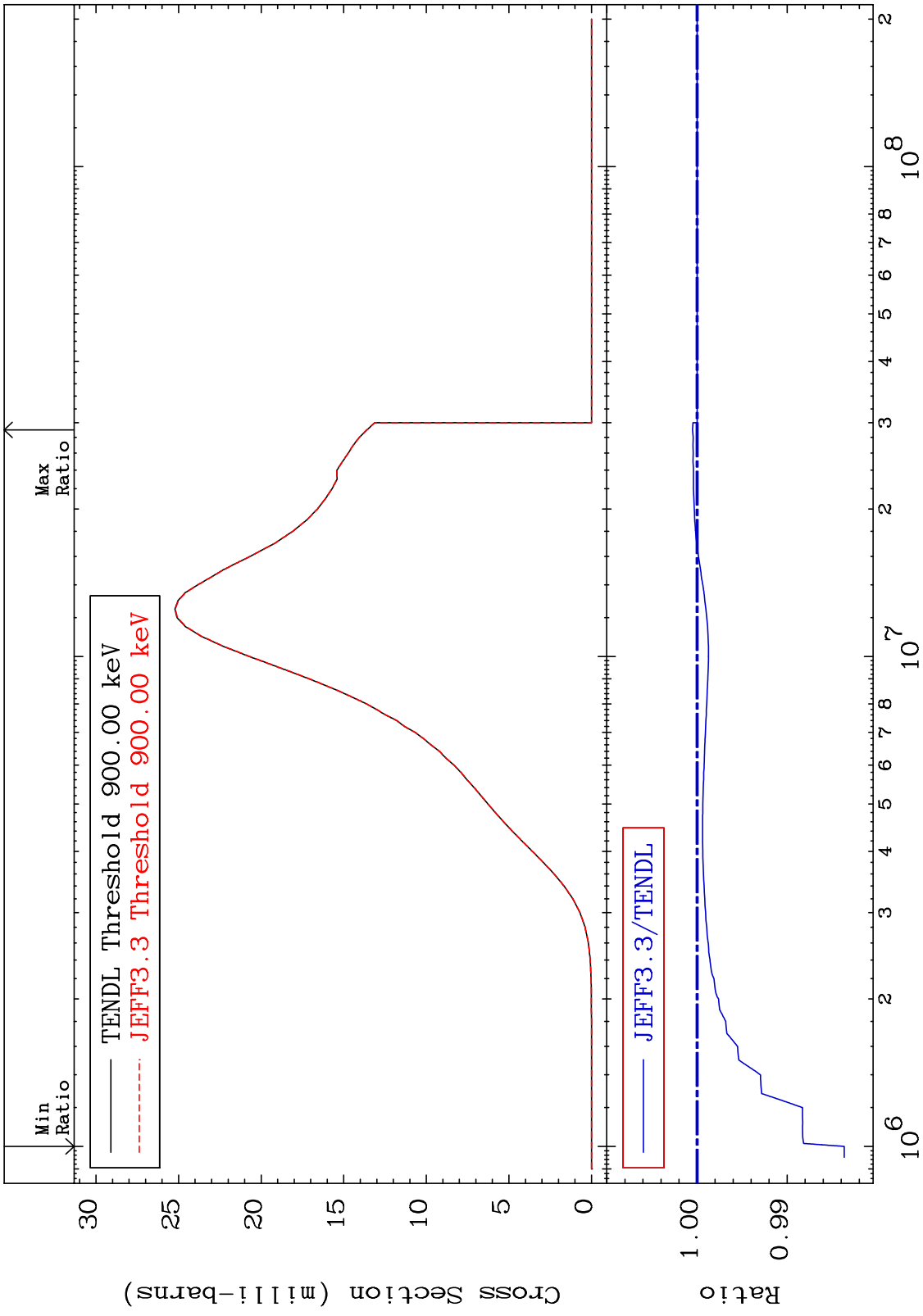
31-Ga-69
-99.63 To 3299. %



MAT 3125 (n,p):30-Zn-69g 31-Ga-69
 Radionuclide Production Cross Section -1.631 To 0.023 %

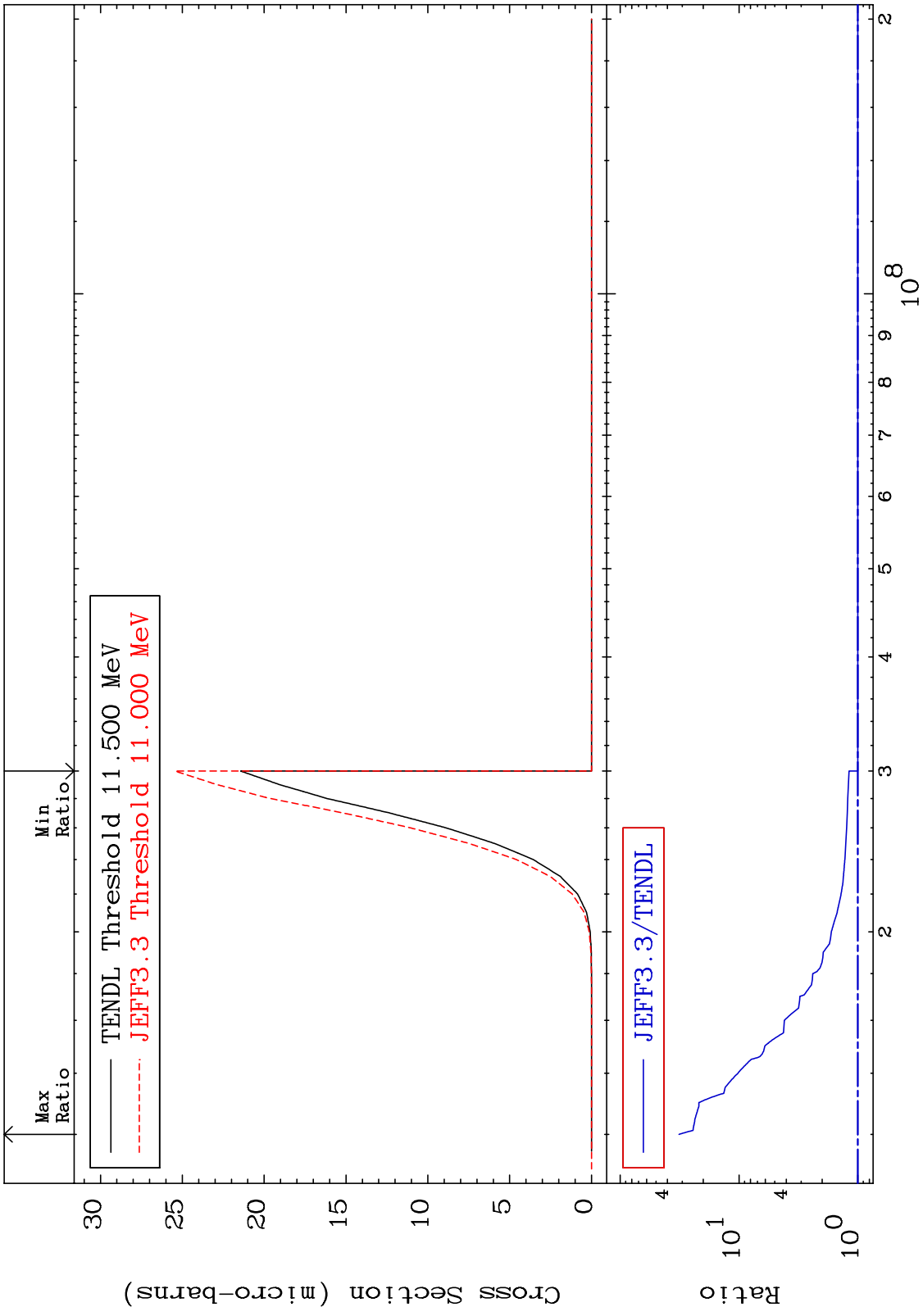


MAT 3125 (n,p):30-Zn-69m1 31-Ga-69
 Radionuclide Production Cross Section -1.634 To 0.049 %



77 31-Ga-69

MAT 3125 (n,2α):27-Co-62g 31-Ga-69
 Radionuclide Production Cross Section 0.000 To 3098. %

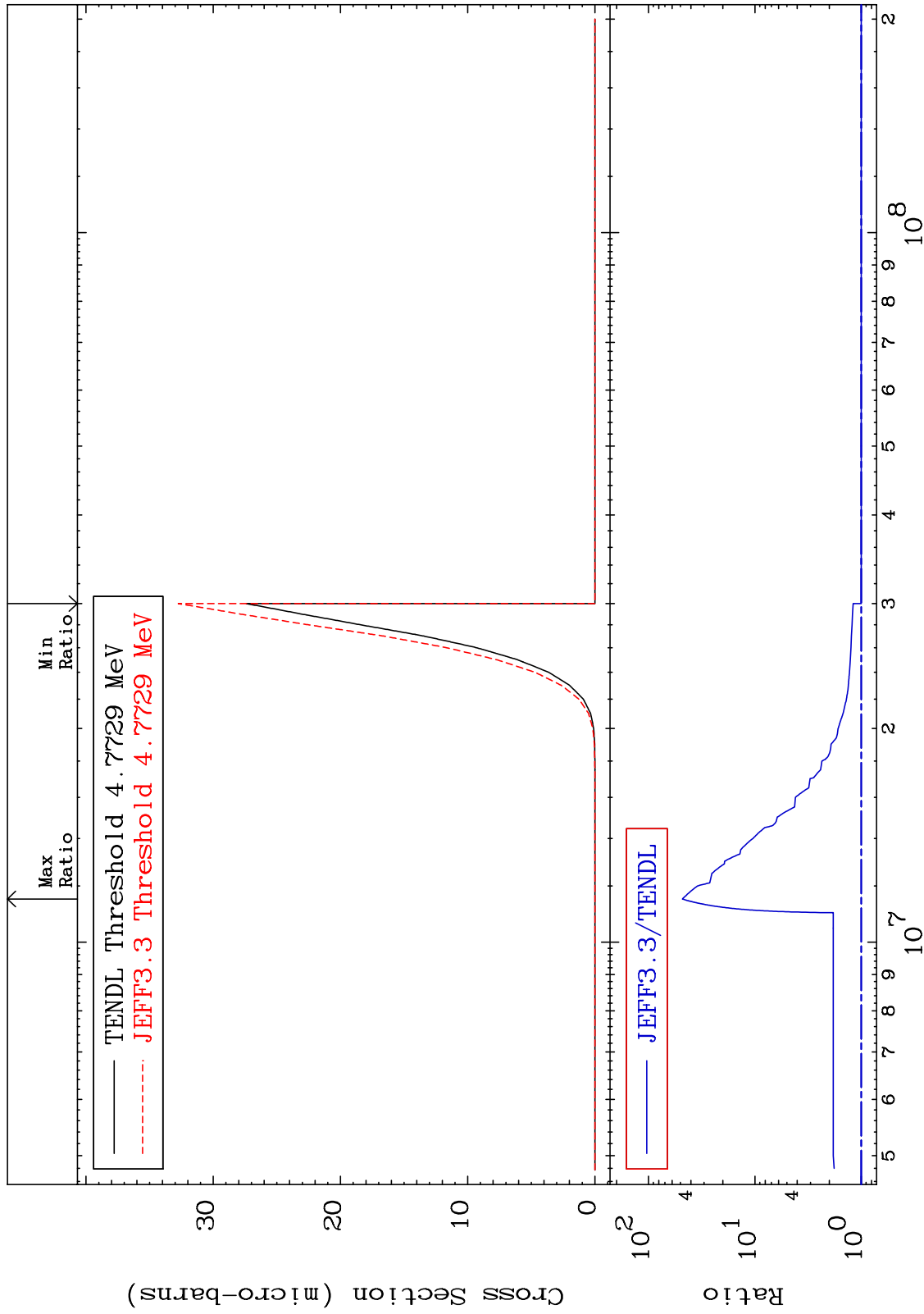


MAT 3125

(n,2α):27-Co-62m1

31-Ga-69

Radionuclide Production Cross Section 0.000 To 4696. %

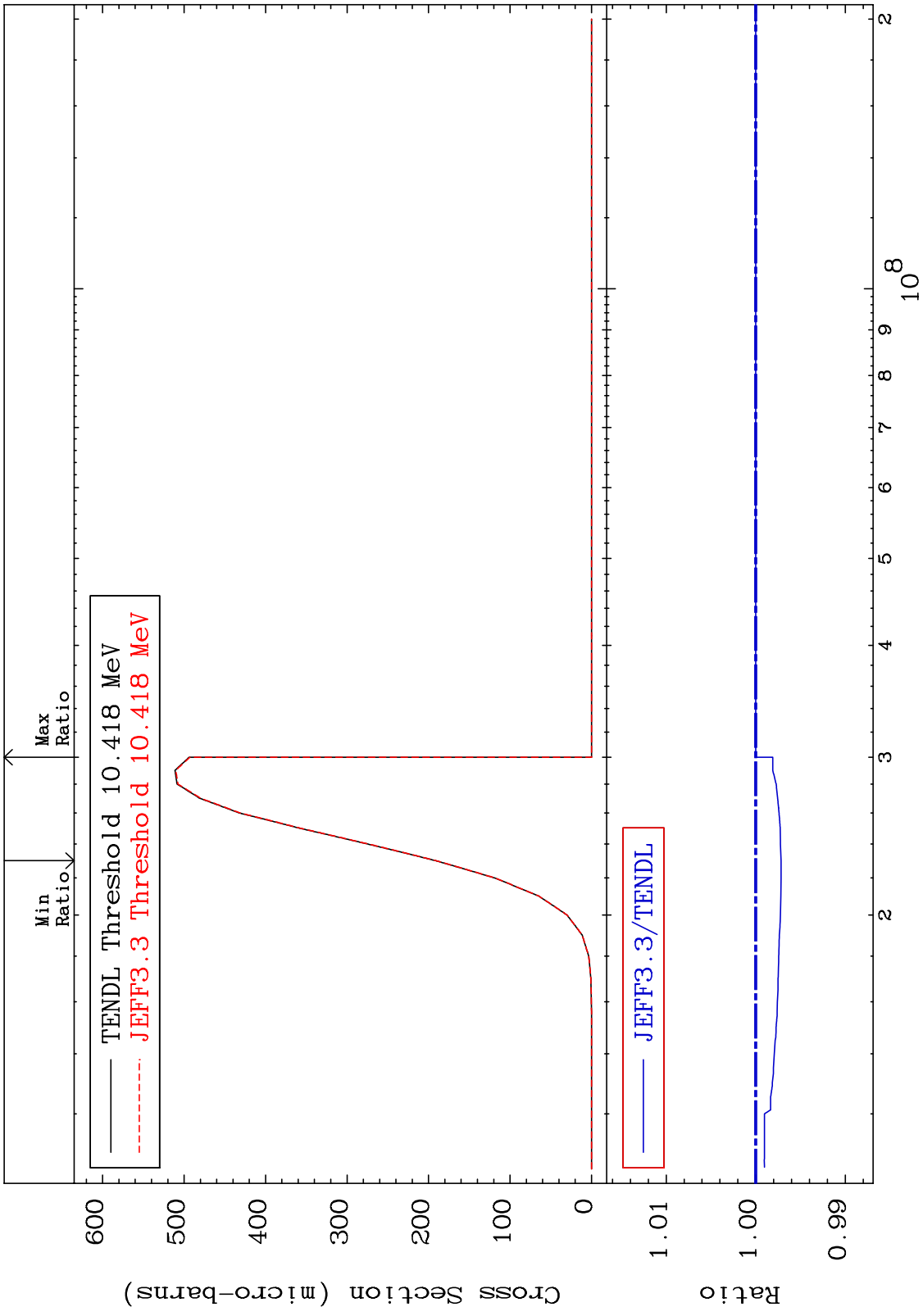


79

Incident Energy (eV)

31-Ga-69

MAT 3125 (n,2p):29-Cu-68g 31-Ga-69
 Radionuclide Production Cross Section -0.284 To 0.000 %

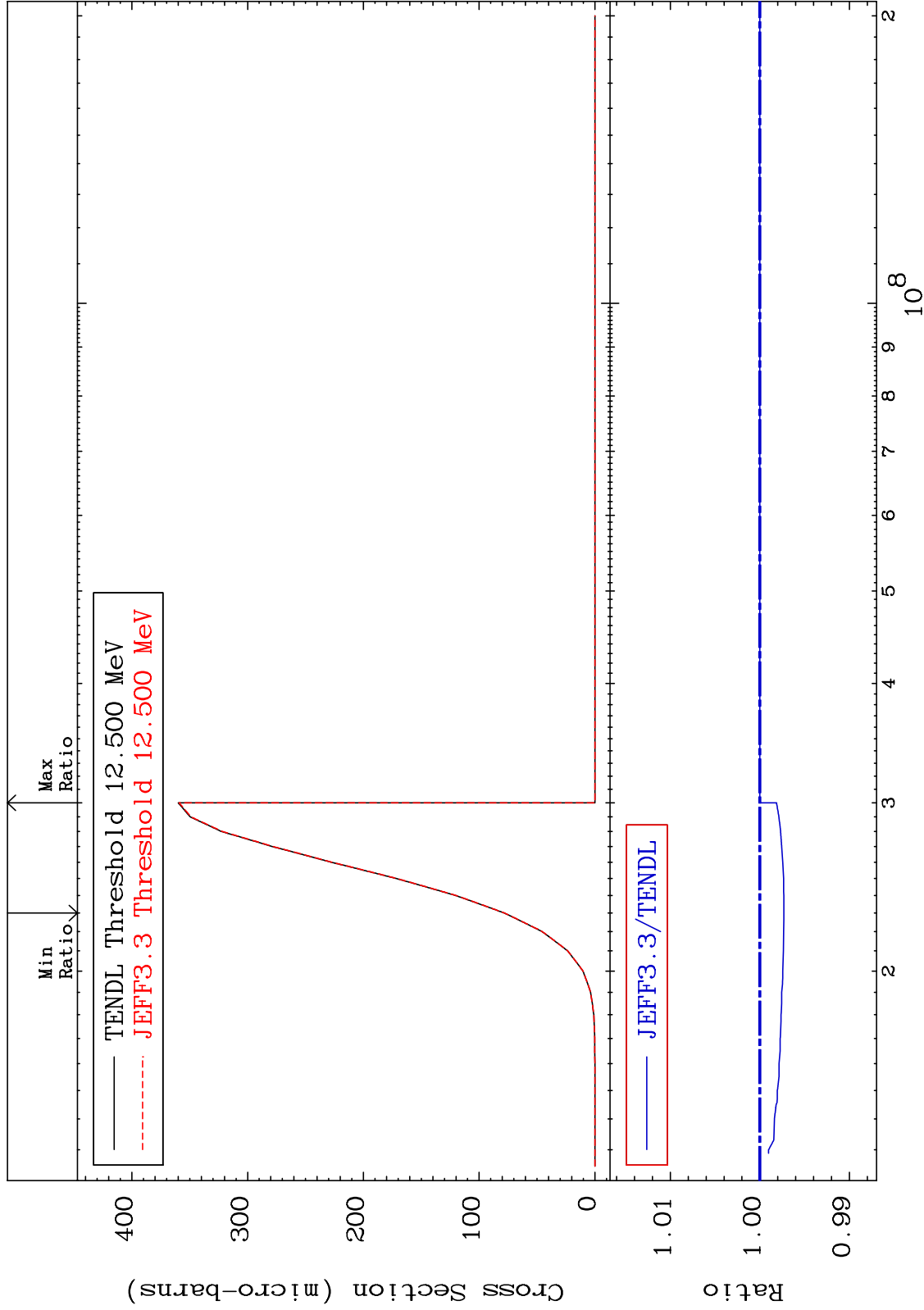


MAT 3125

(n,2p):29-Cu-68m3

31-Ga-69

Radionuclide Production Cross Section -0.268 To 0.000 %



81

Incident Energy (eV)

31-Ga-69