

Program Complot  
(Version 2018-1)

by

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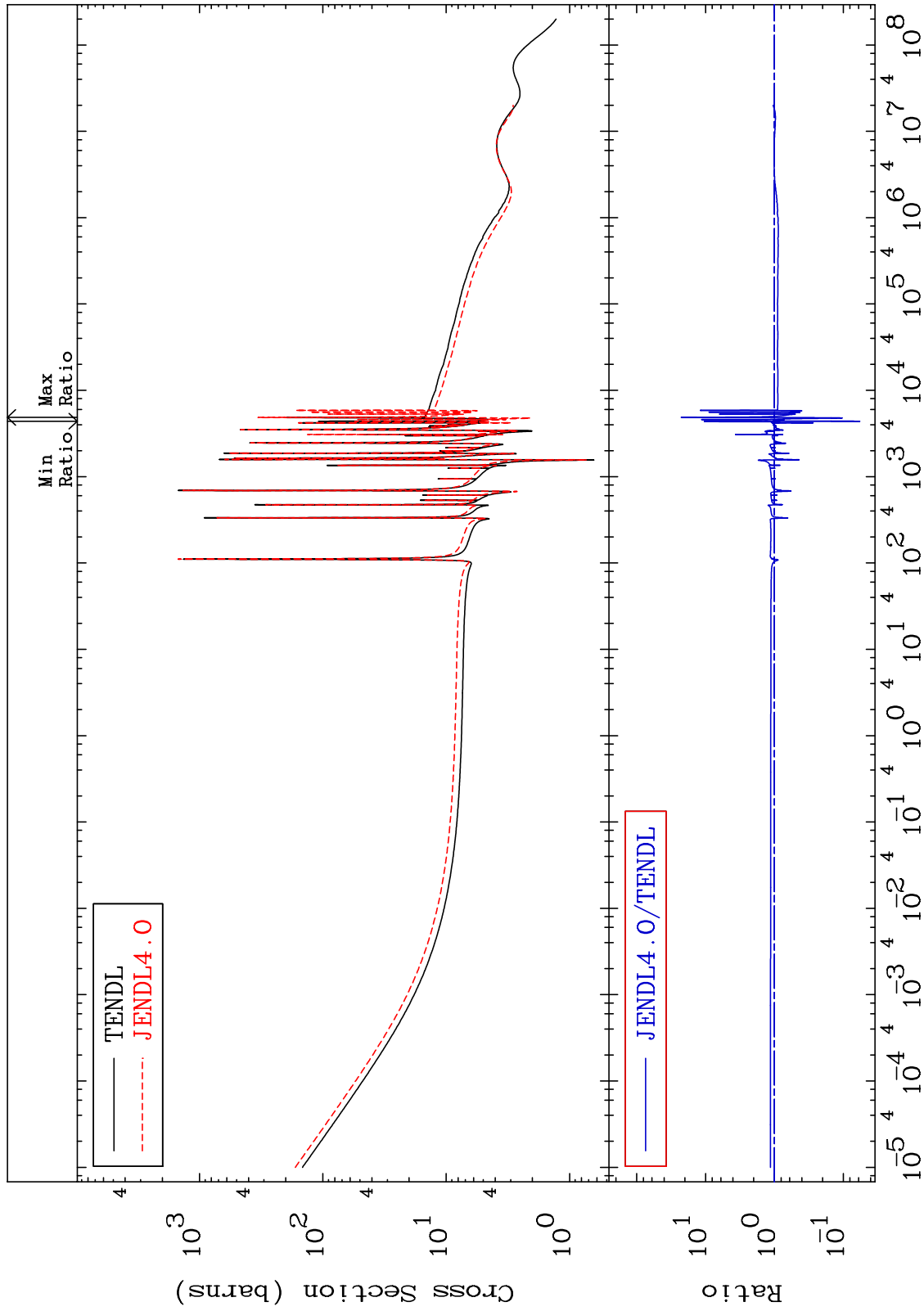
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 3125

Total  
Cross Section

31-Ga-69  
-94.23 To 2156. %



1

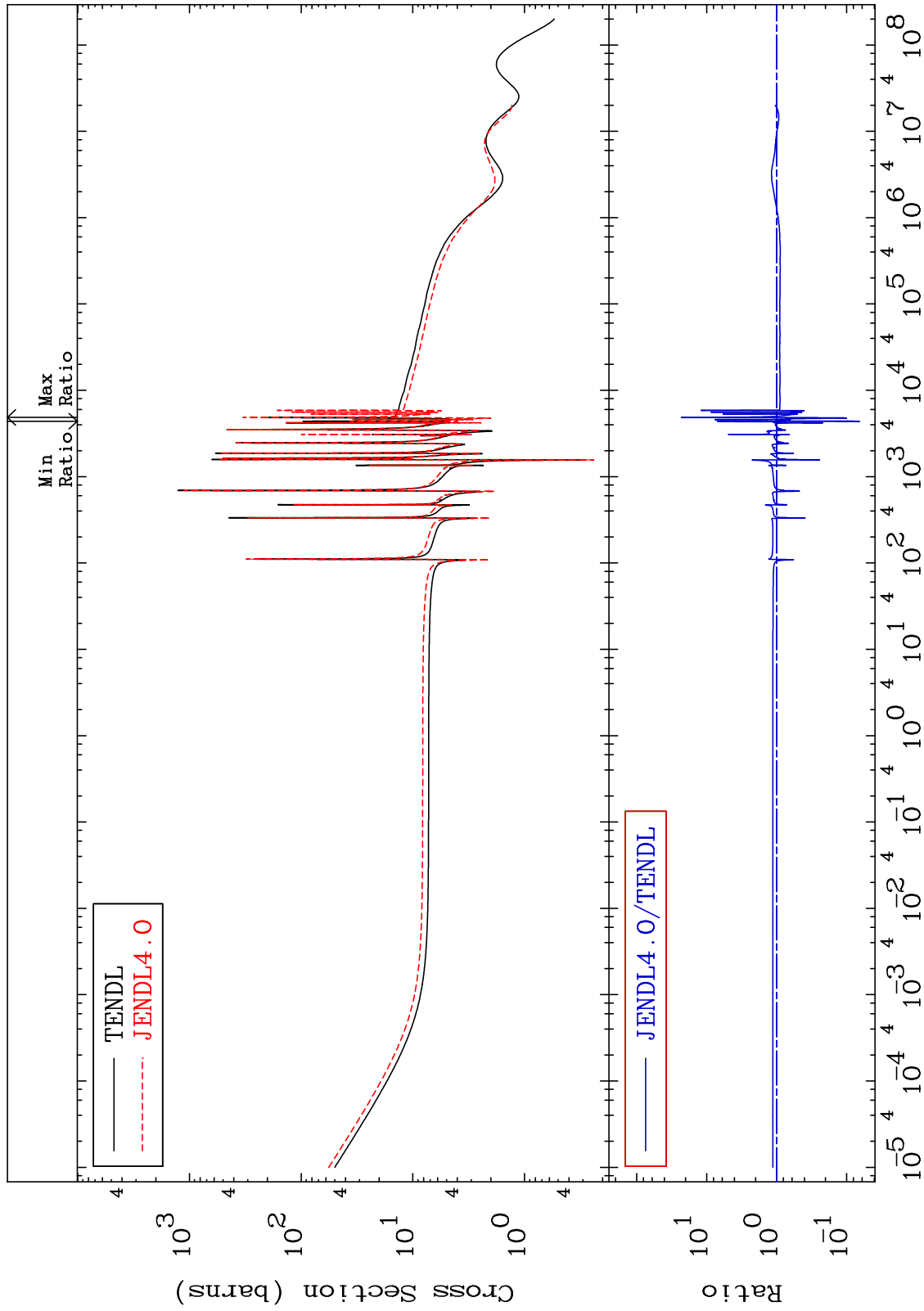
Incident Energy (eV)

31-Ga-69

MAT 3125

Elastic  
Cross Section

31-Ga-69  
-93.52 To 2204. %



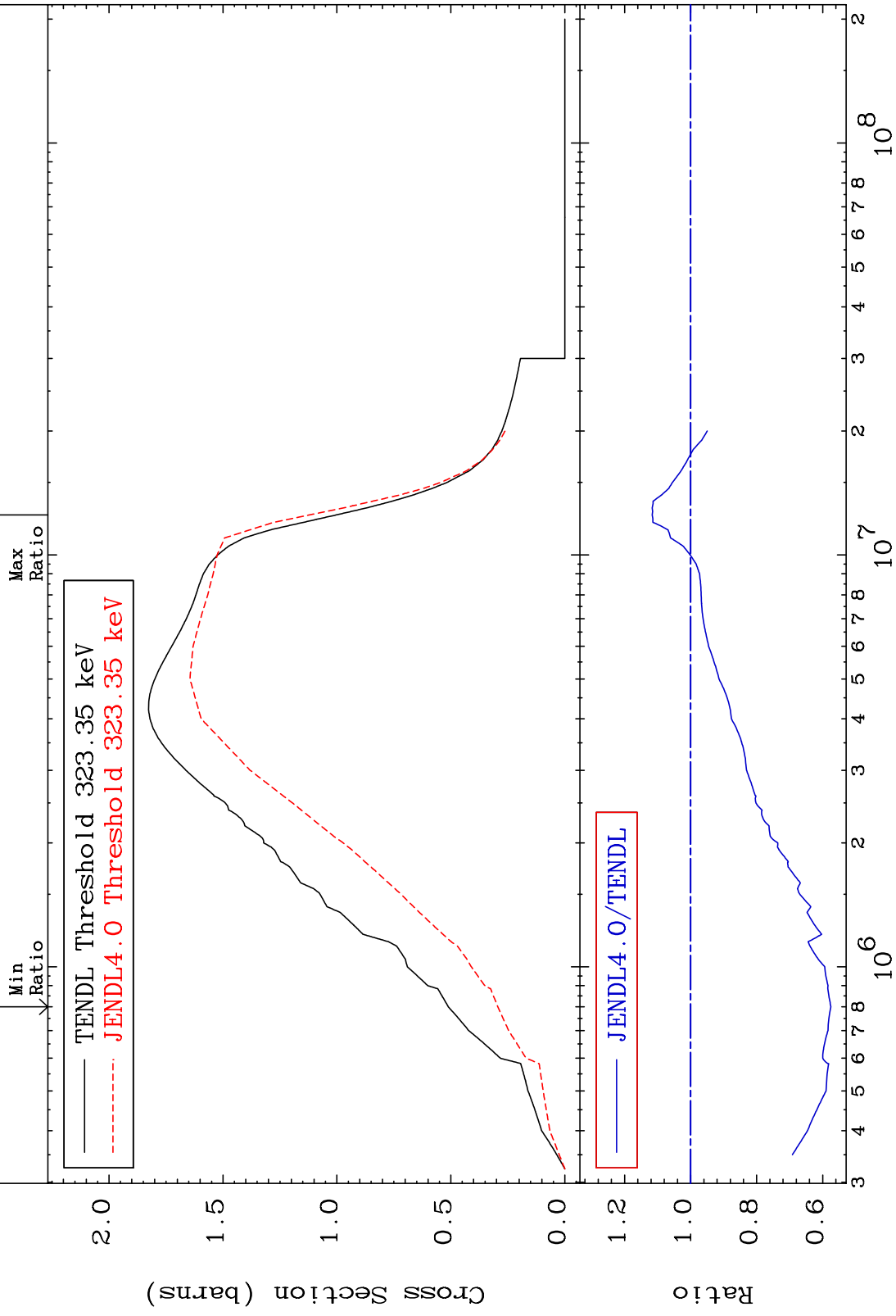
2

Incident Energy (eV)

31-Ga-69

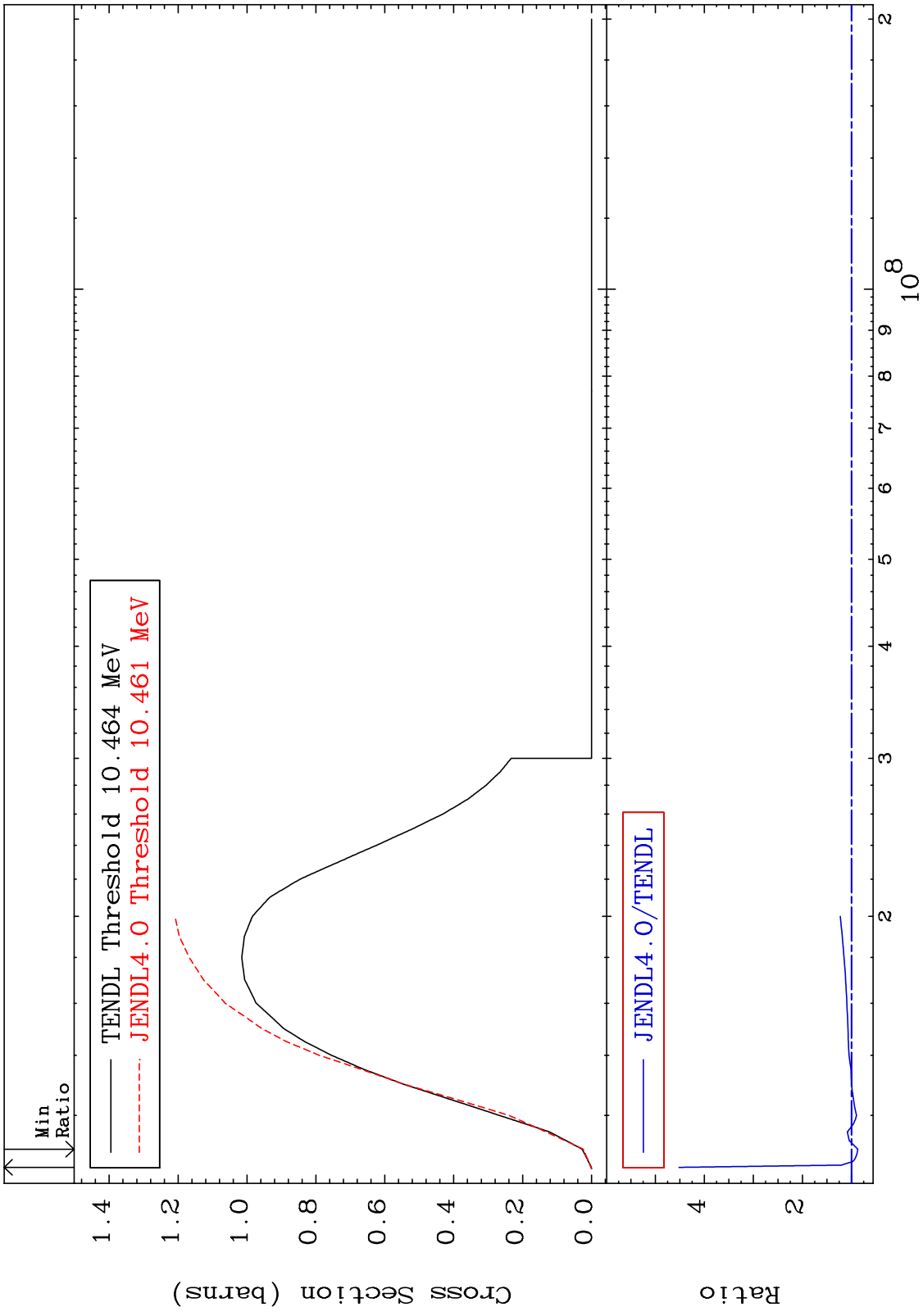
MAT 3125 31-Ga-69 -42.48 To 11.63 %

Inelastic Cross Section

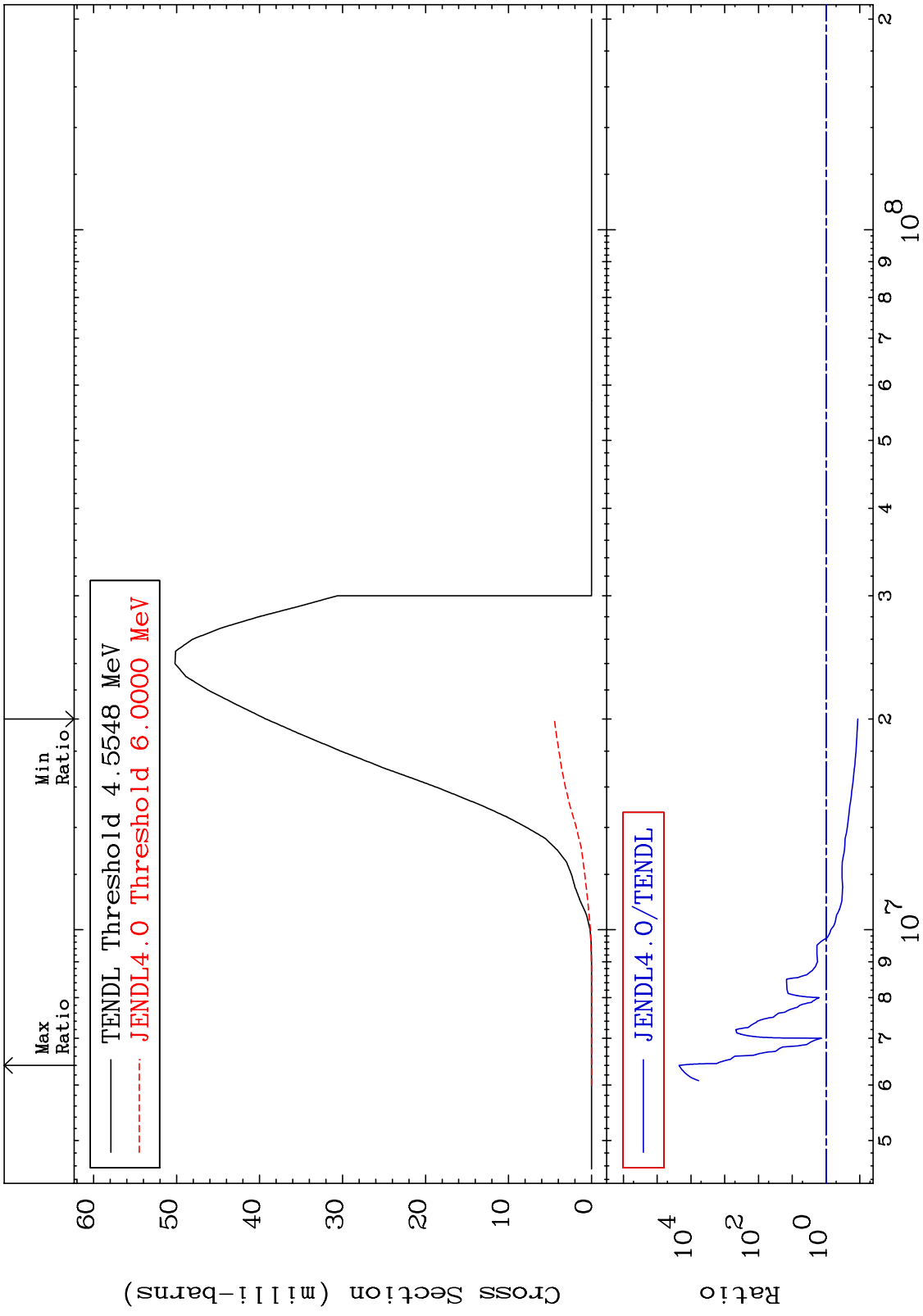


3 31-Ga-69

MAT 3125 (n,2n) Cross Section 31-Ga-69 -13.03 To 351.6 %

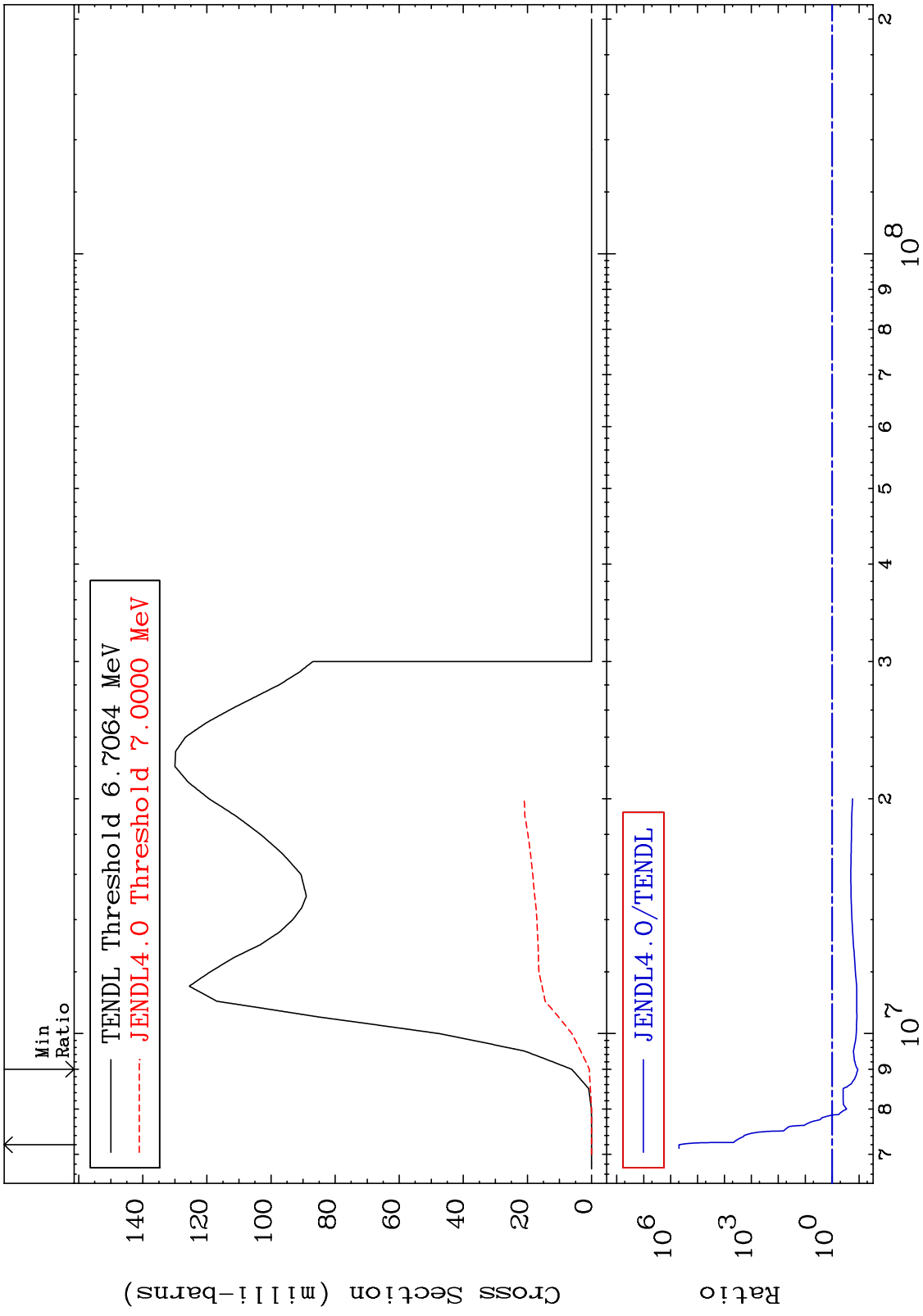


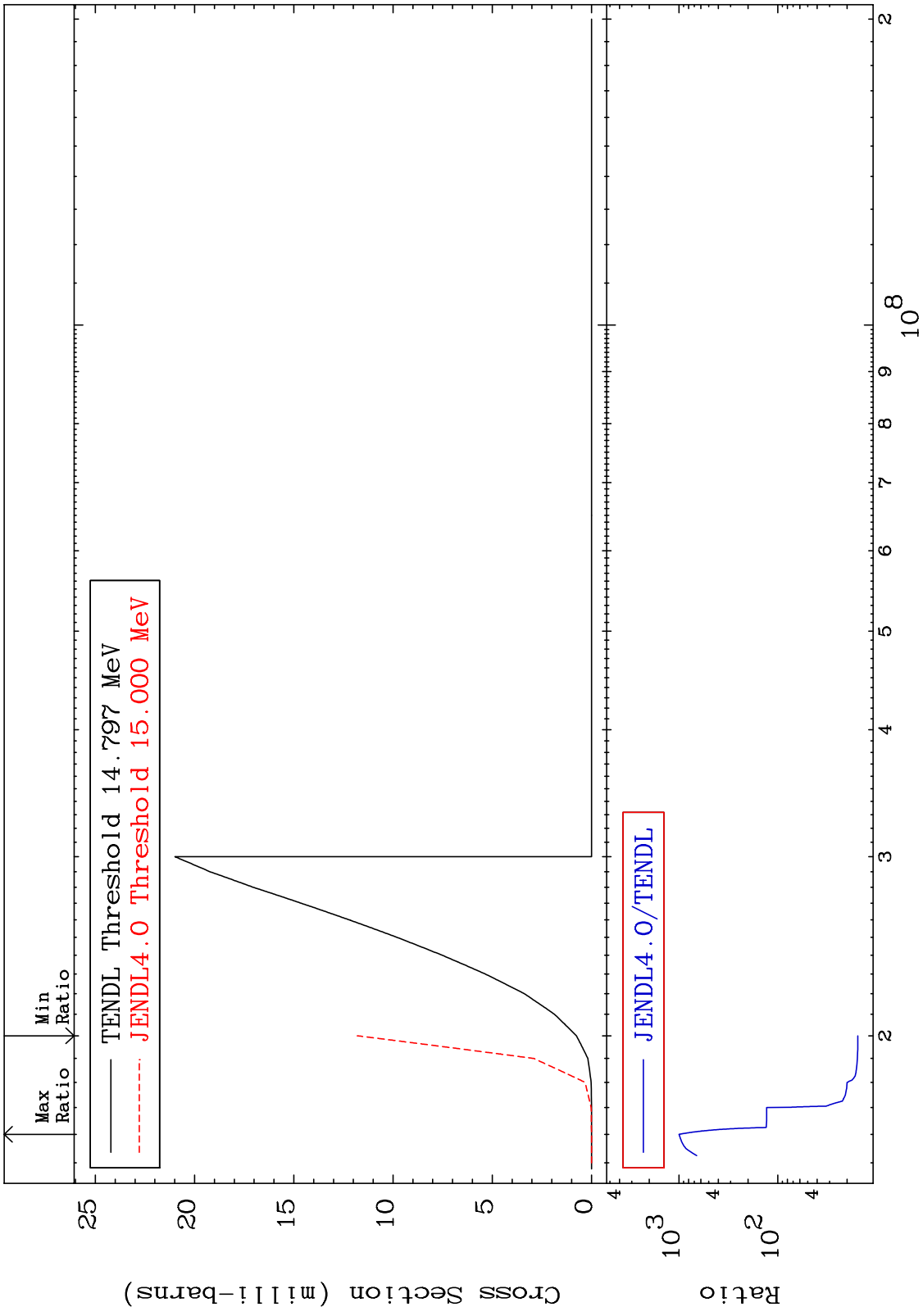
MAT 3125  $(n, n') \alpha$  31-Ga-69  
 Cross Section -88.54 To 9999. %



5 31-Ga-69

MAT 3125 (n,n') p 31-Ga-69  
 Cross Section -88.89 To 9999. %



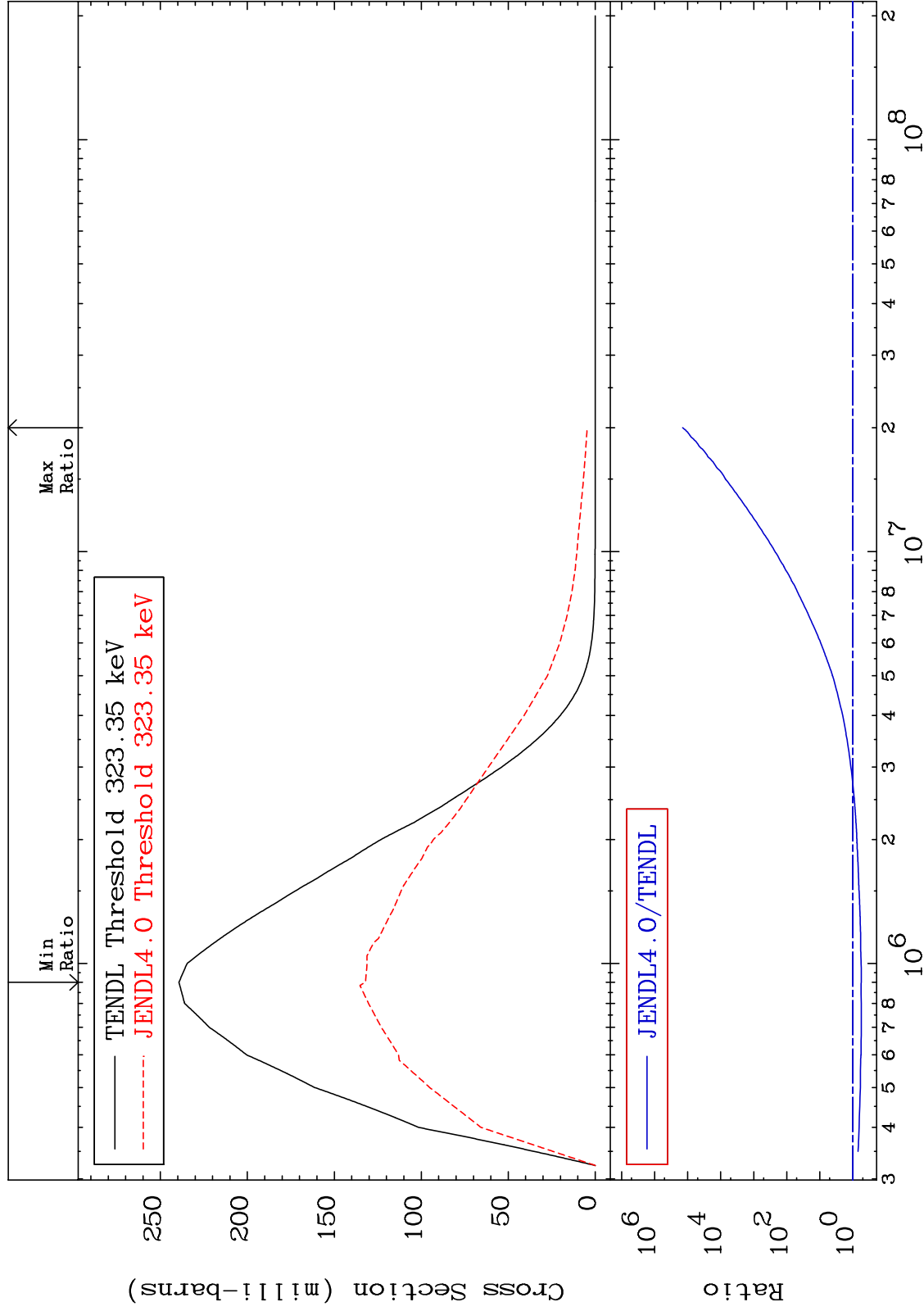




MAT 3125

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

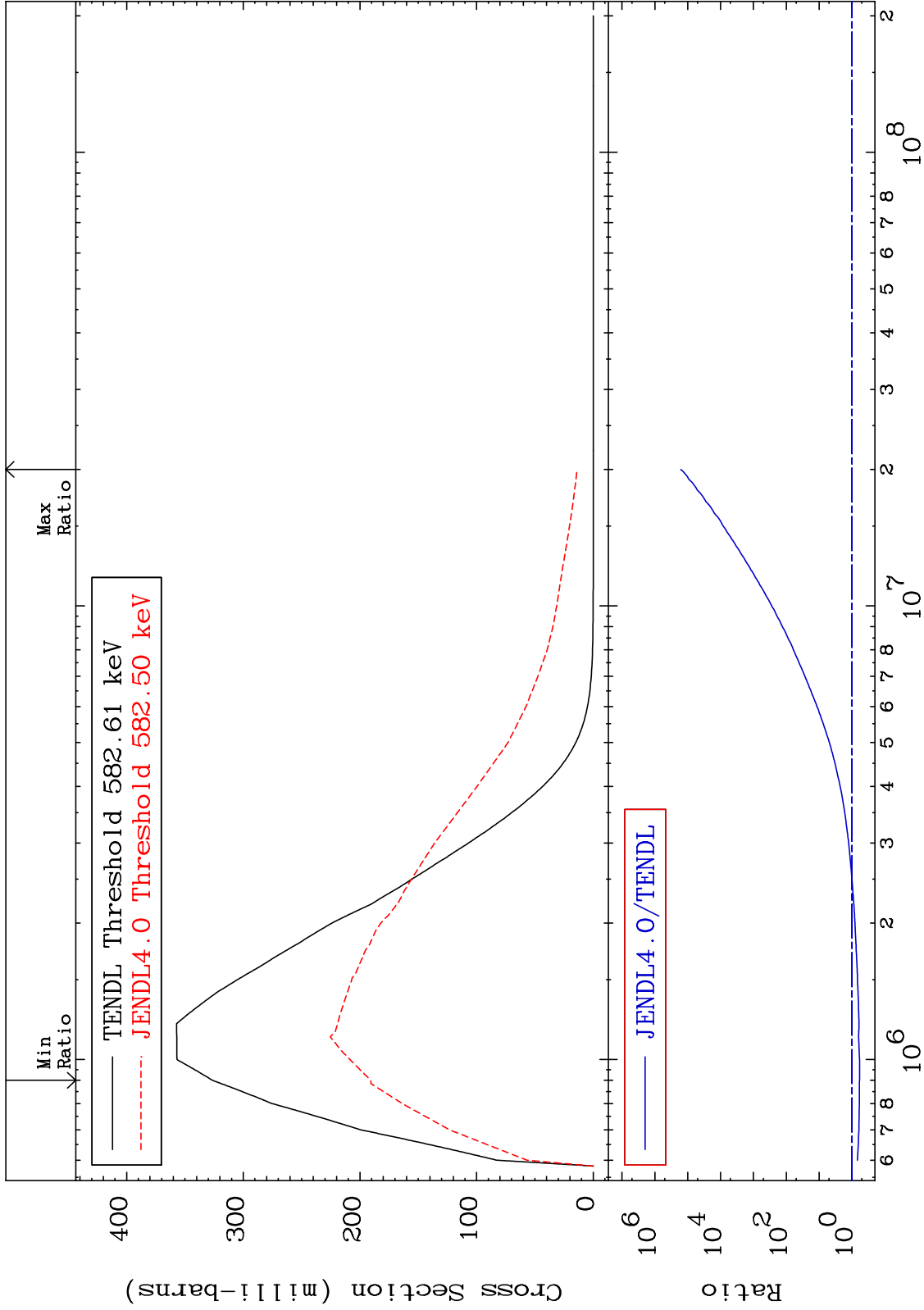
31-Ga-69  
-44.81 To 9999. %



MAT 3125

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

31-Ga-69  
-41.57 To 9999. %

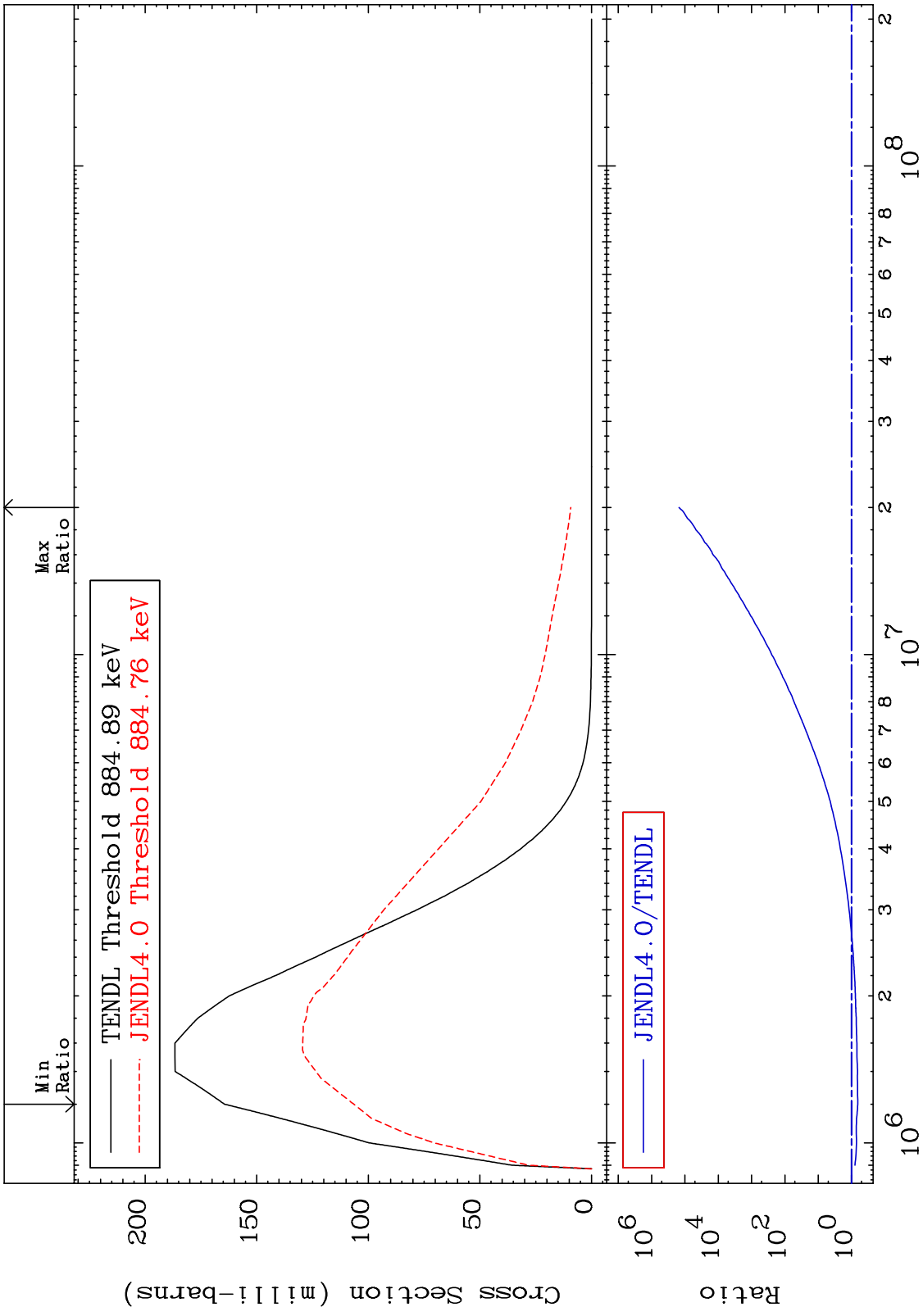


9

Incident Energy (eV)

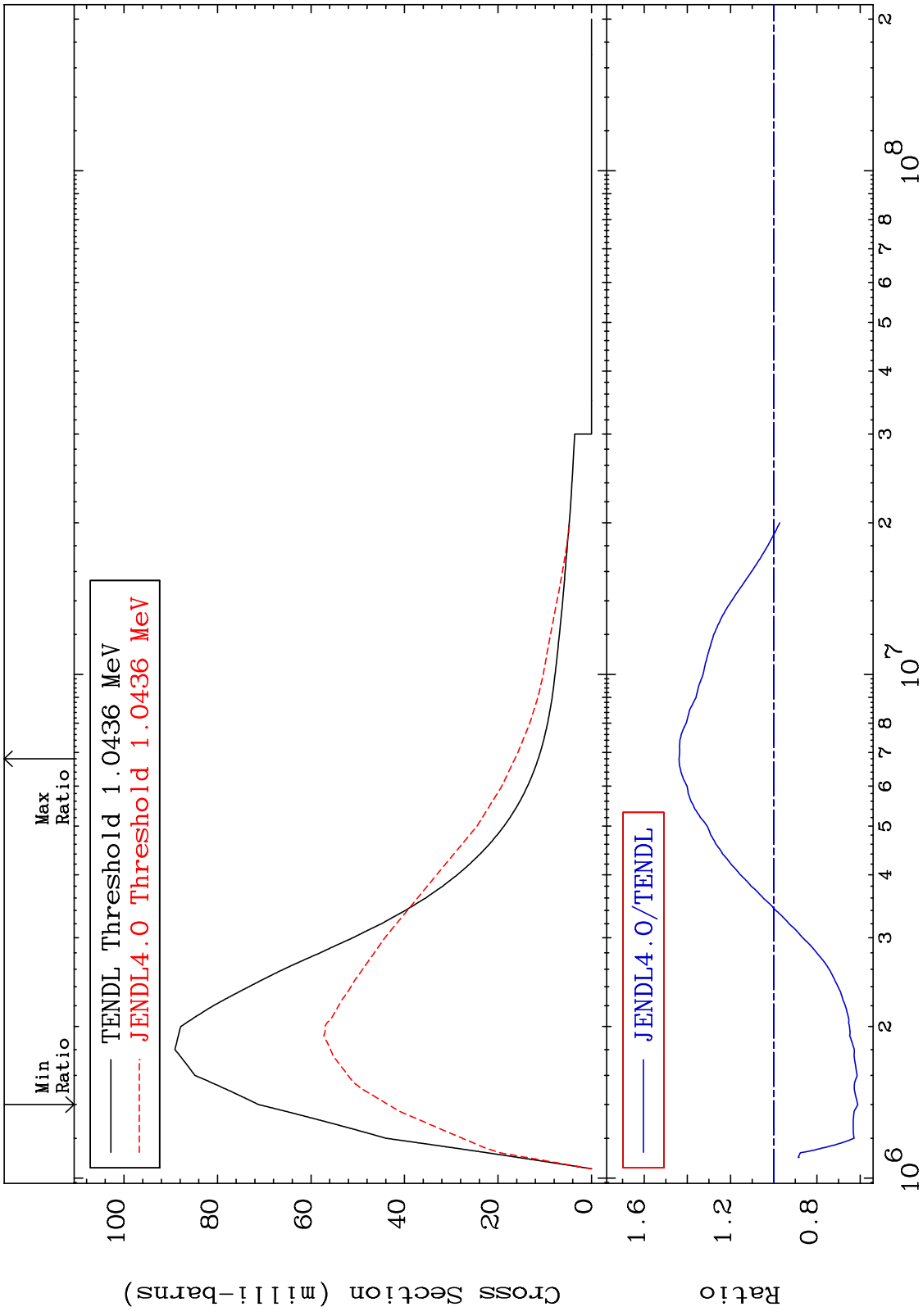
31-Ga-69

MAT 3125 MT= 53 (n,n') Level Cross Section 31-Ga-69 -35.22 To 9999. %

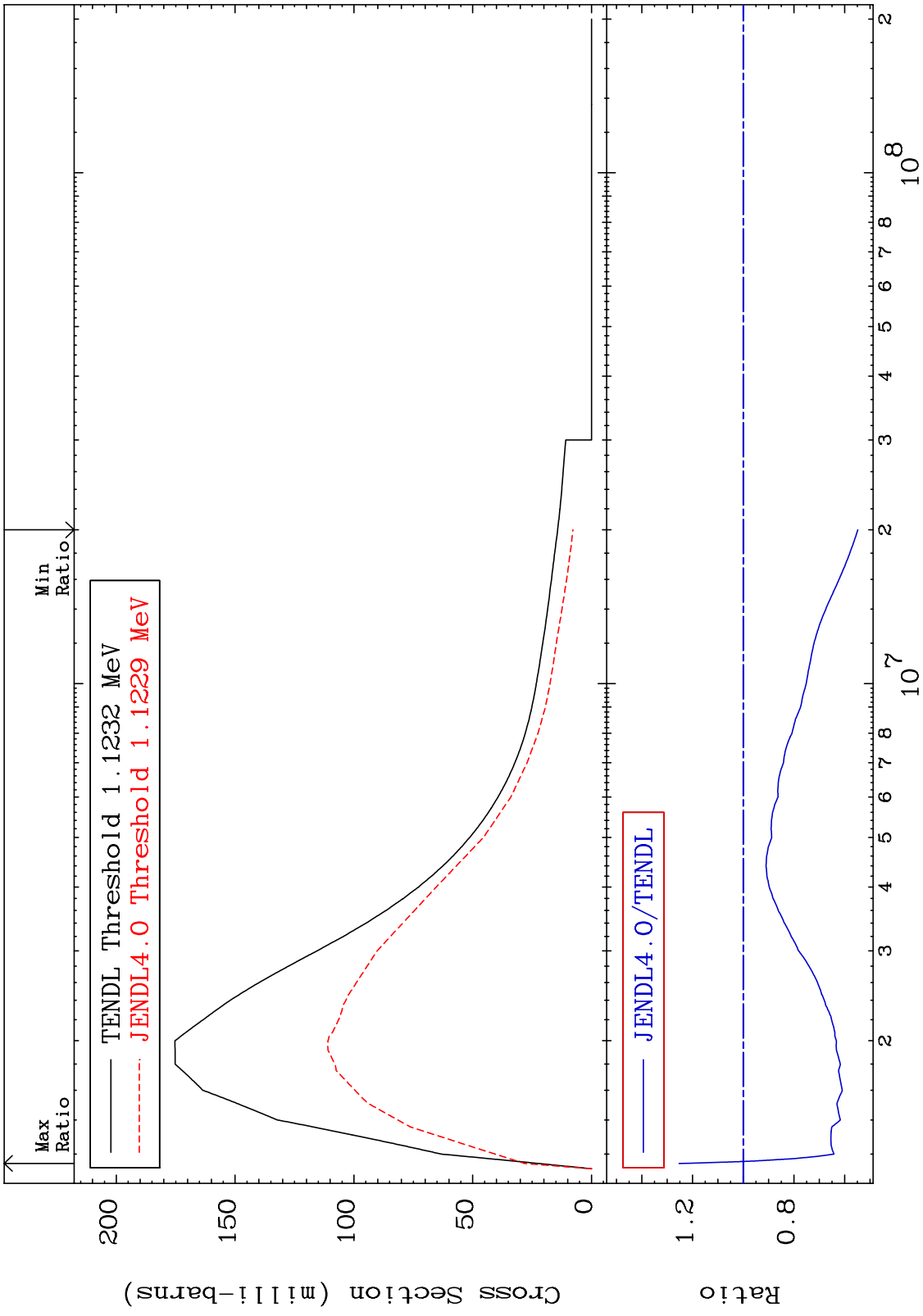


31-Ga-69

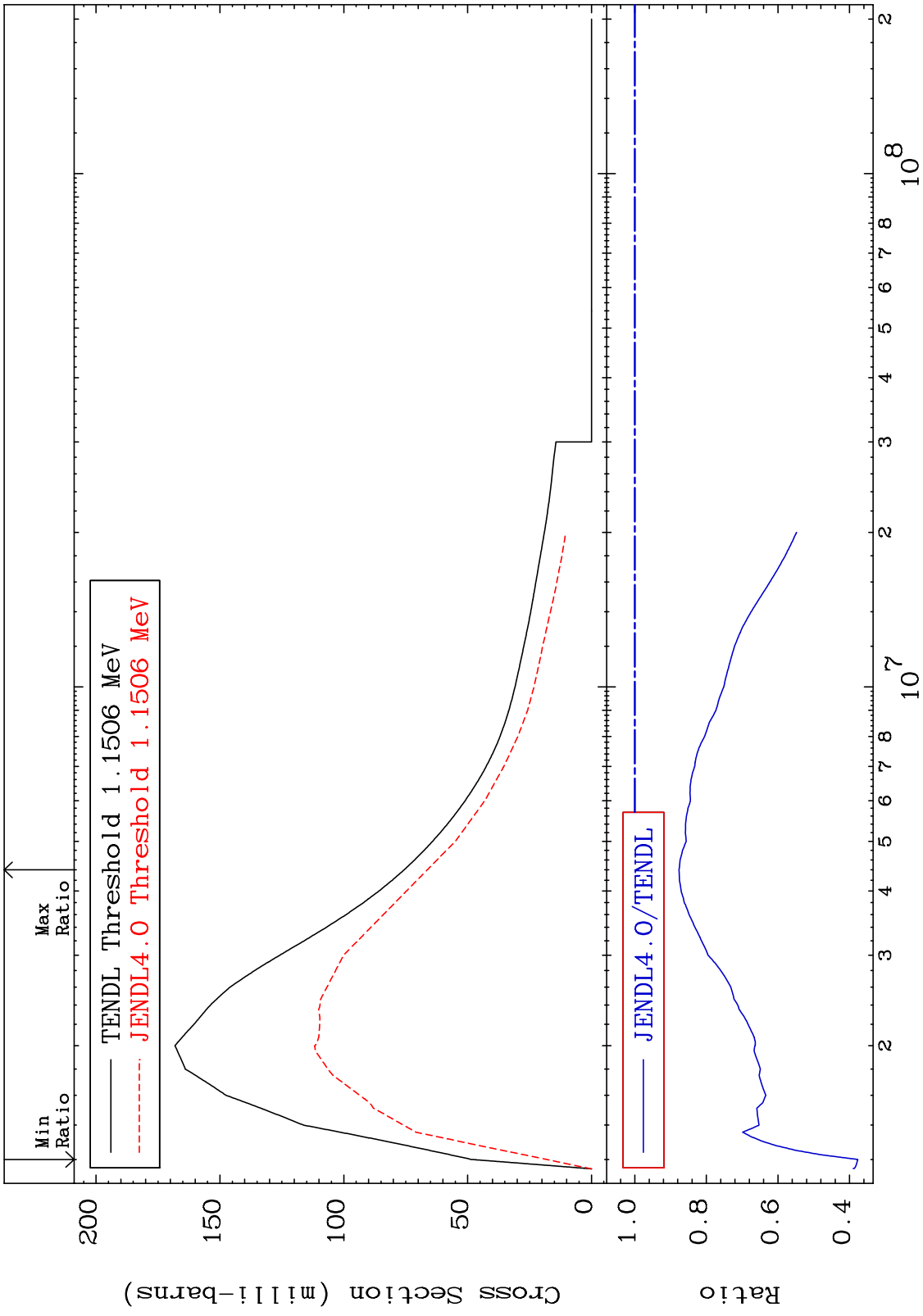
MAT 3125 MT= 54 (n,n') Level Cross Section 31-Ga-69  
 -38.95 To 43.85 %



MAT 3125 MT= 55 (n,n') Level Cross Section -45.21 To 25.29 % 31-Ga-69

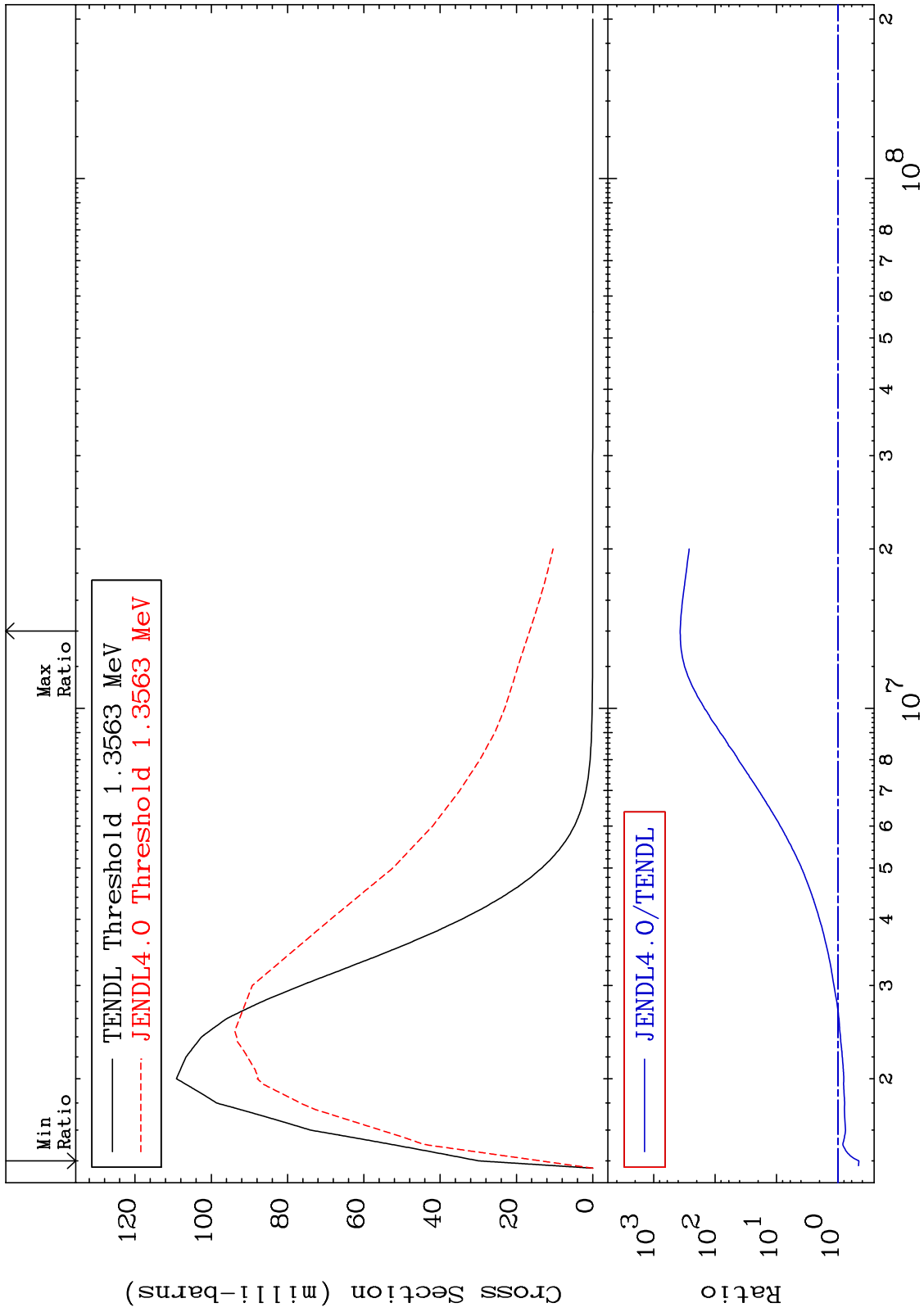


MAT 3125 MT= 56 (n,n') Level Cross Section 31-Ga-69 -62.31 To -12.36%

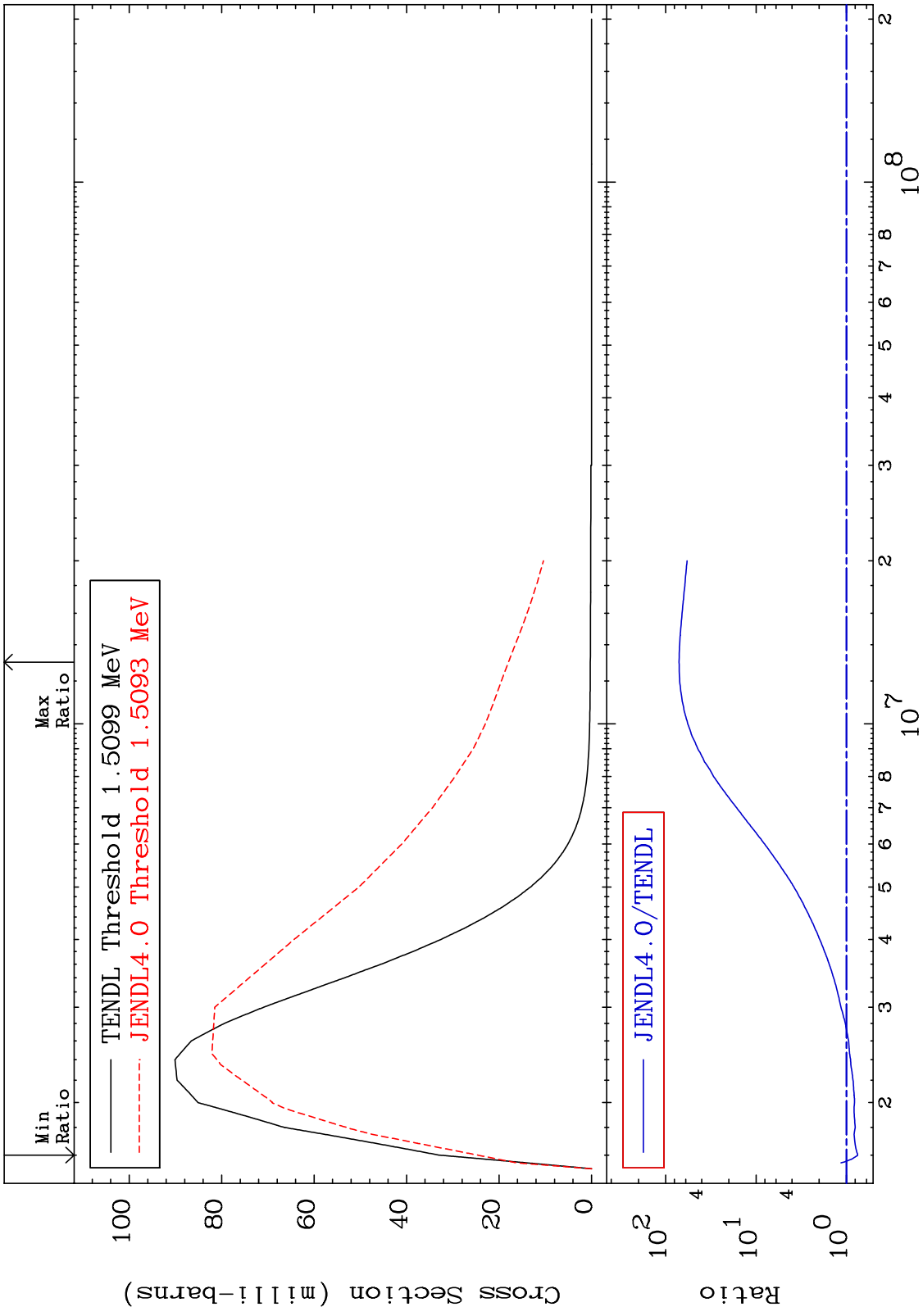


13 31-Ga-69

MAT 3125 MT= 57 (n,n') Level Cross Section -54.34 To 9999. % 31-Ga-69

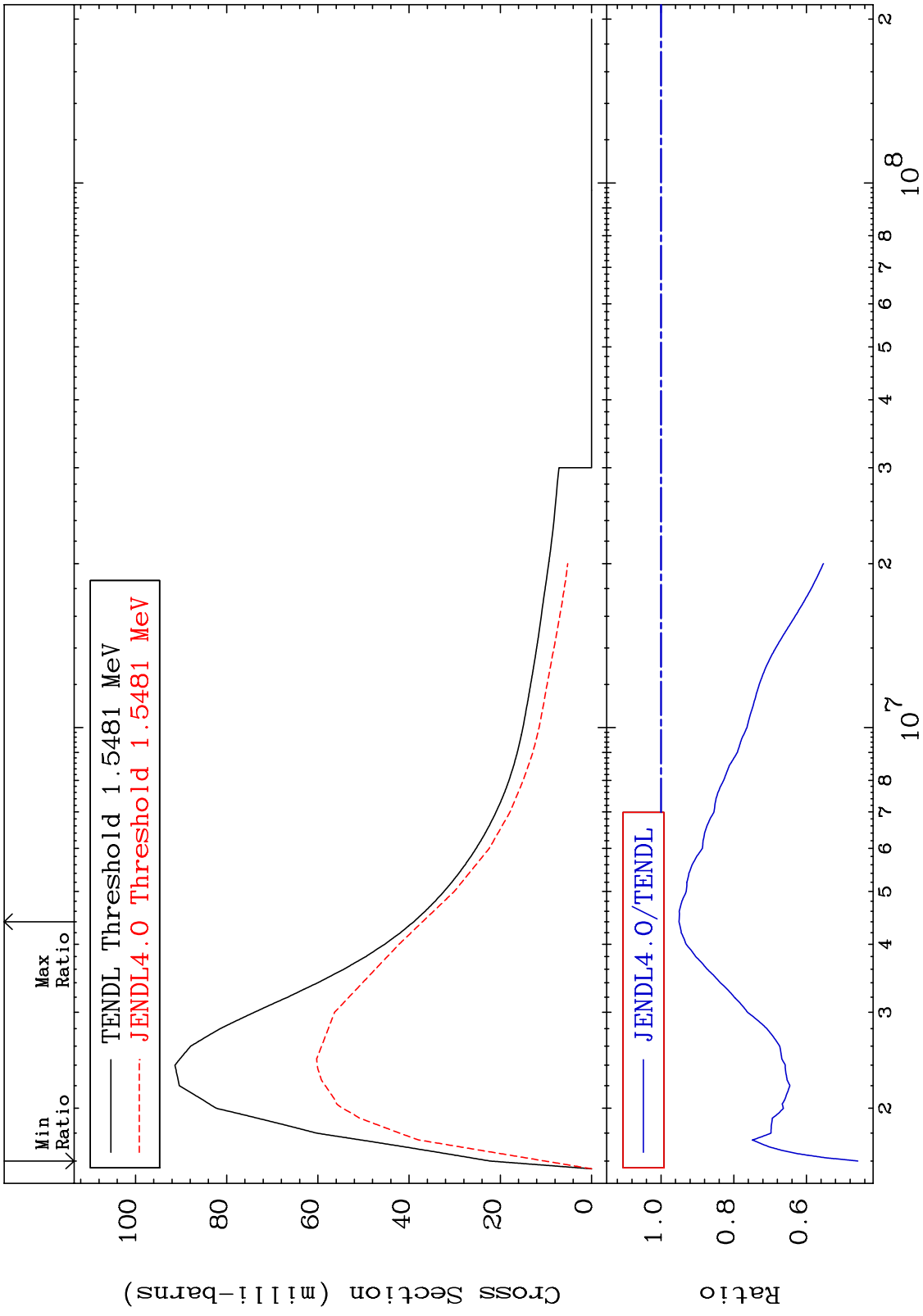


MAT 3125 MT= 58 (n,n') Level Cross Section 31-Ga-69  
 -25.28 To 7013. %



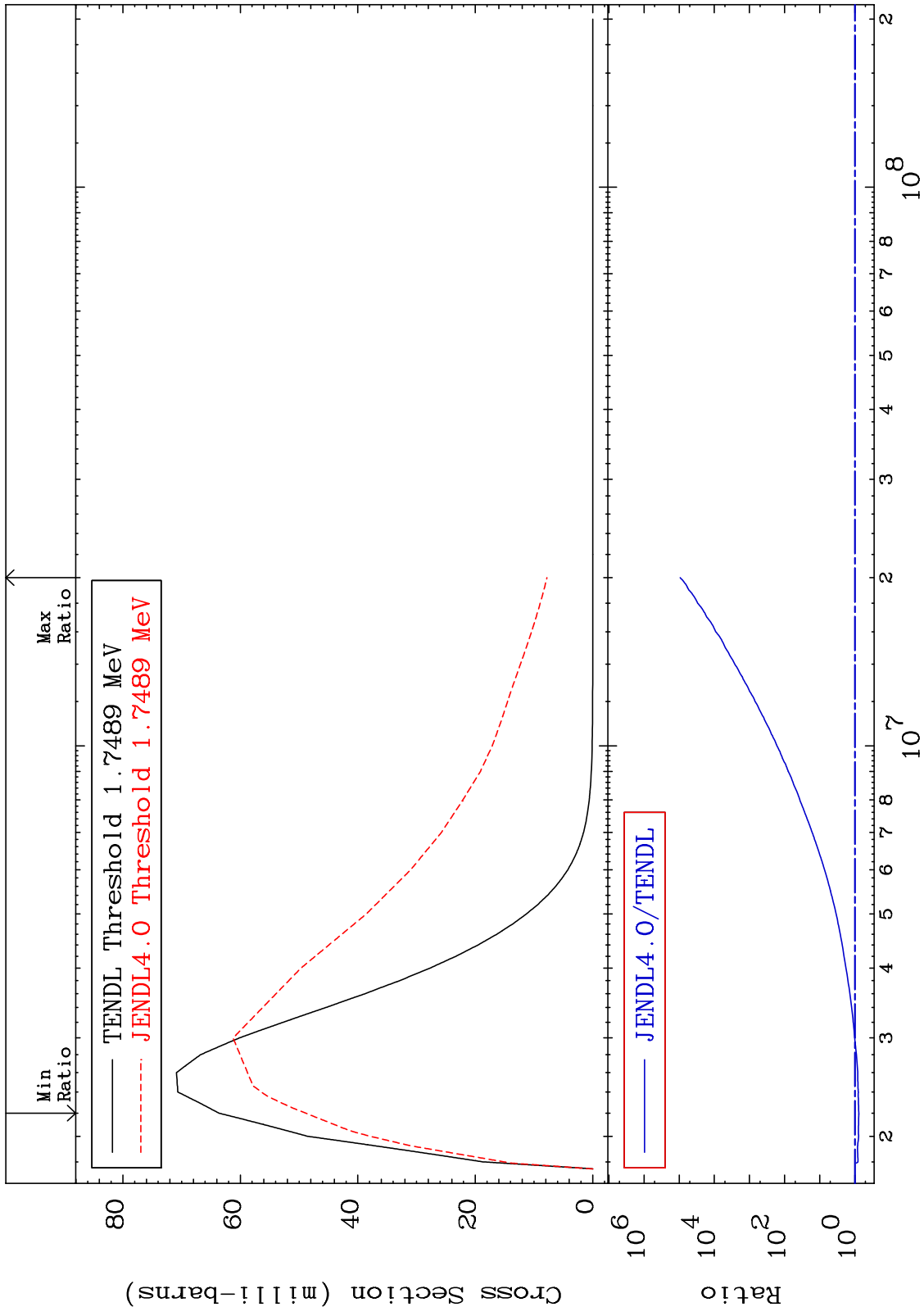


MAT 3125 MT= 59 (n,n') Level Cross Section 31-Ga-69 -54.11 To -4.965%

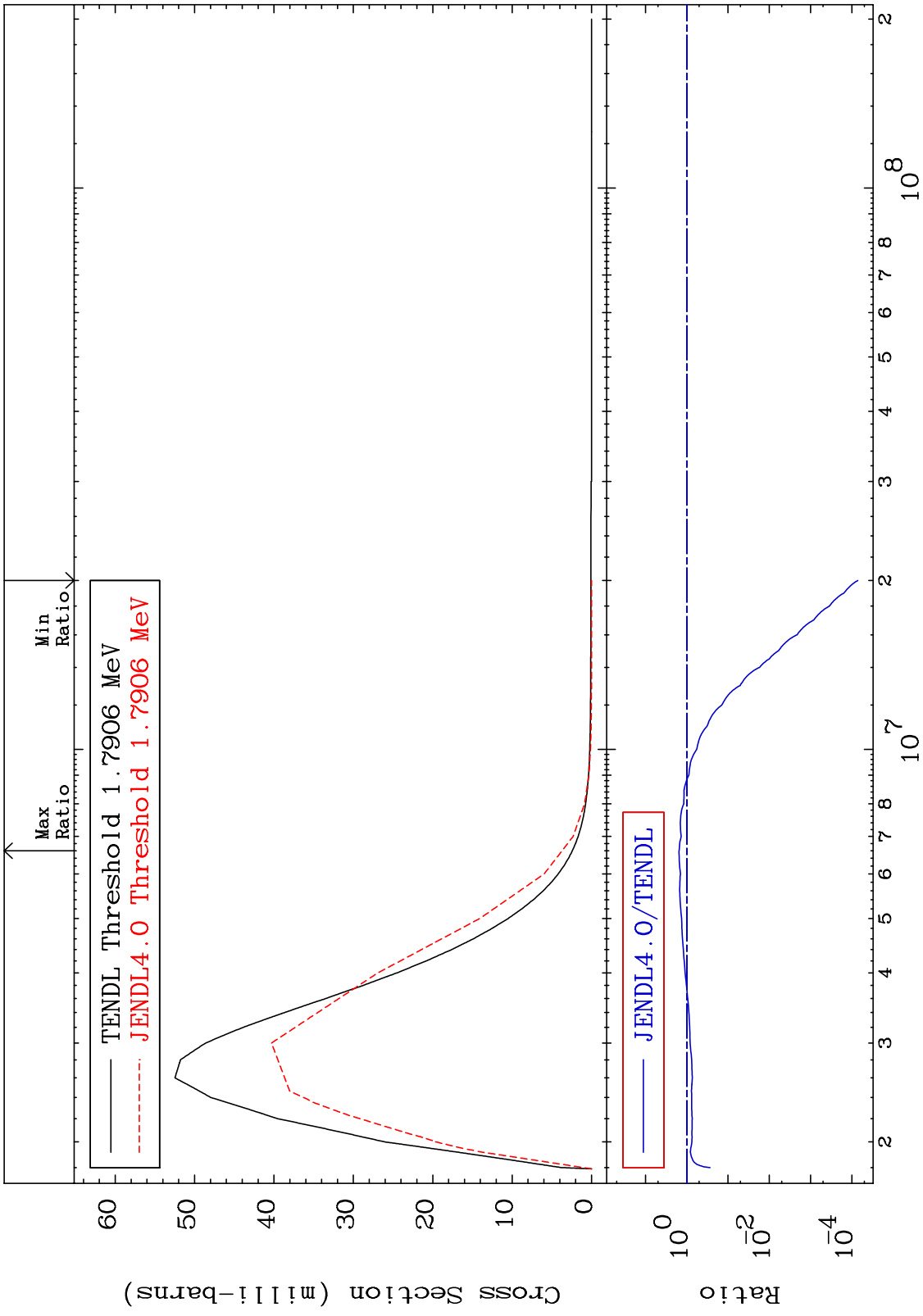


16 31-Ga-69

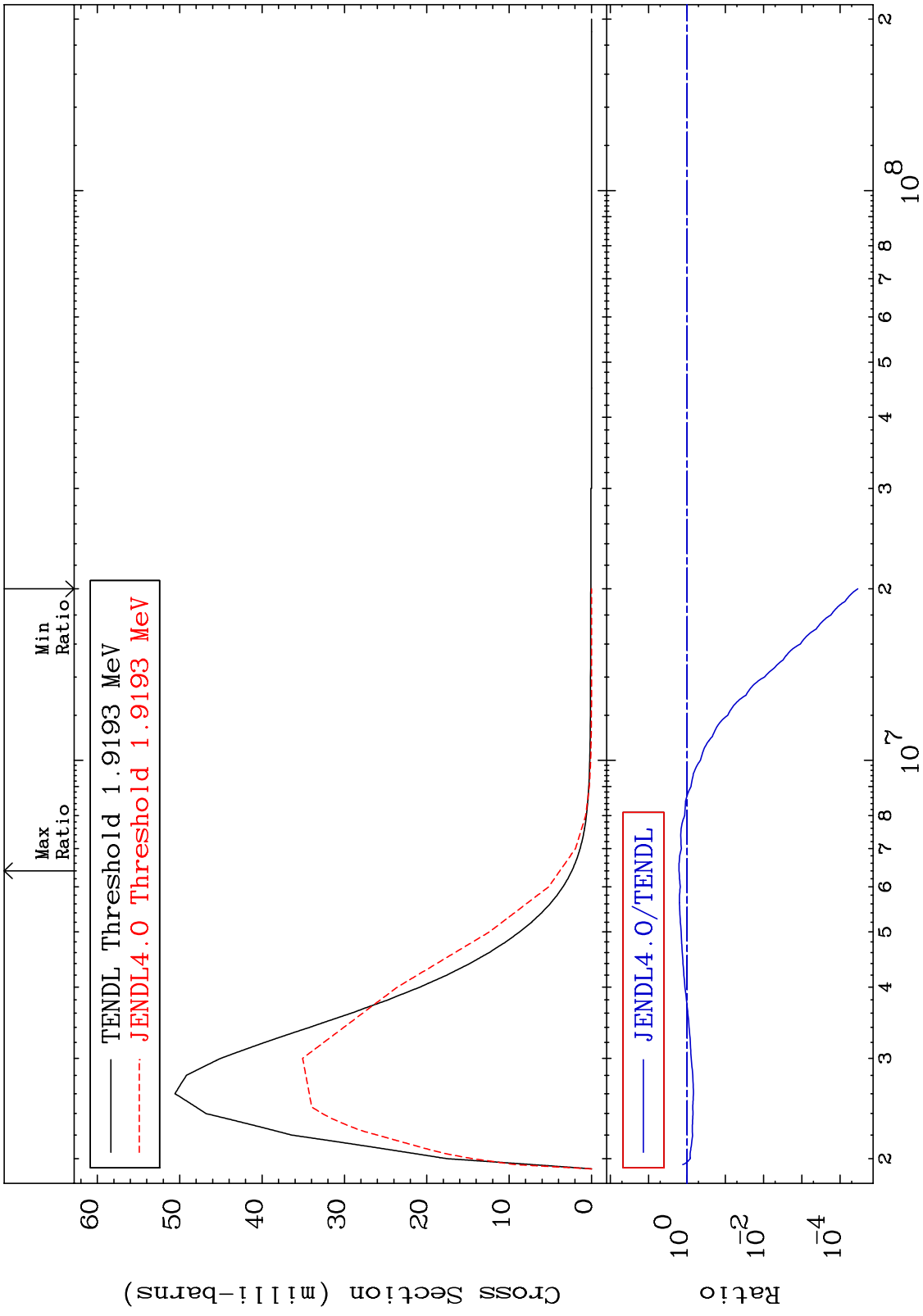
MAT 3125 MT= 60 (n,n') Level Cross Section 31-Ga-69  
 -23.19 To 9999. %



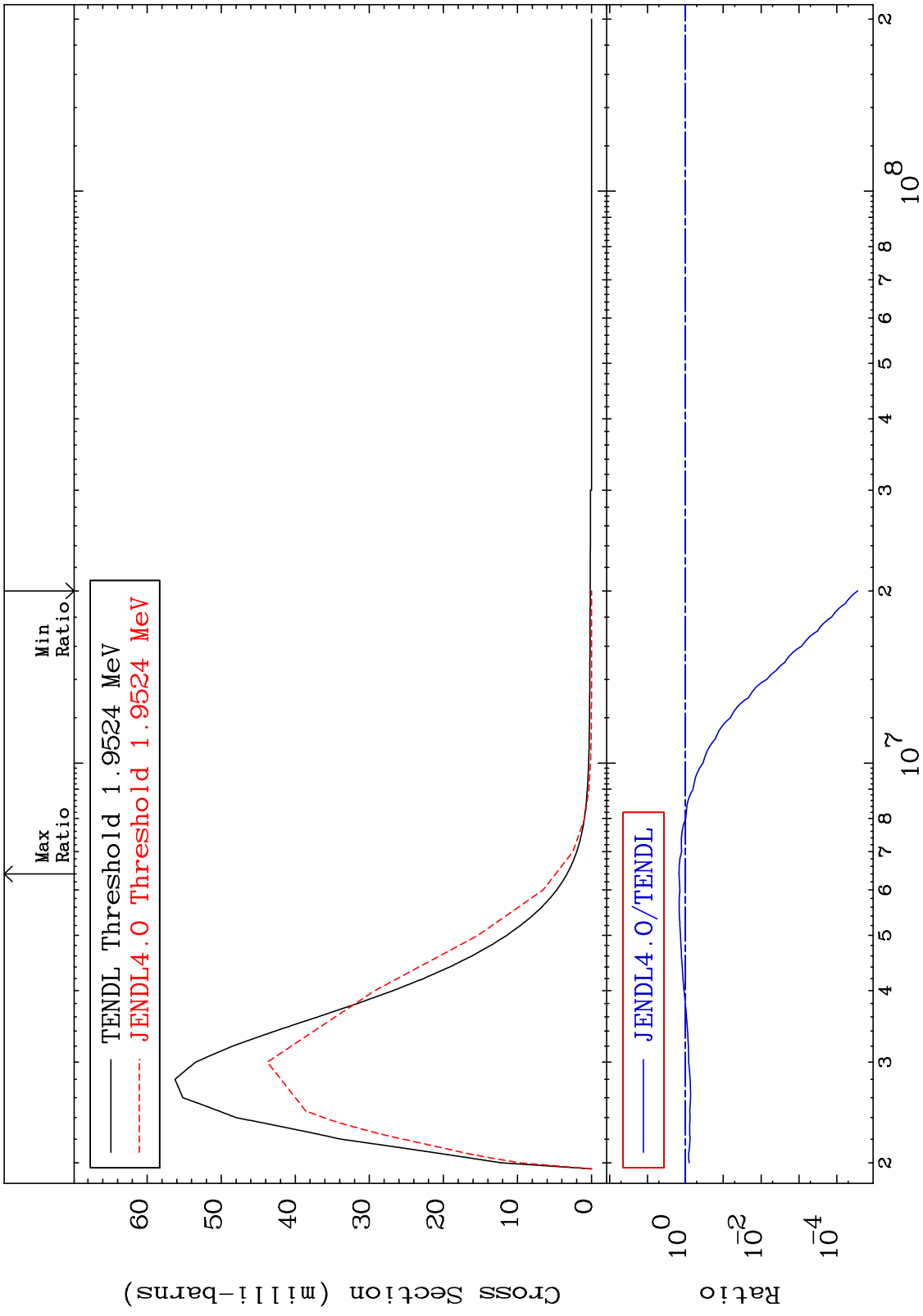
MAT 3125 MT= 61 (n,n') Level Cross Section 31-Ga-69  
 -99.99 To 53.85 %



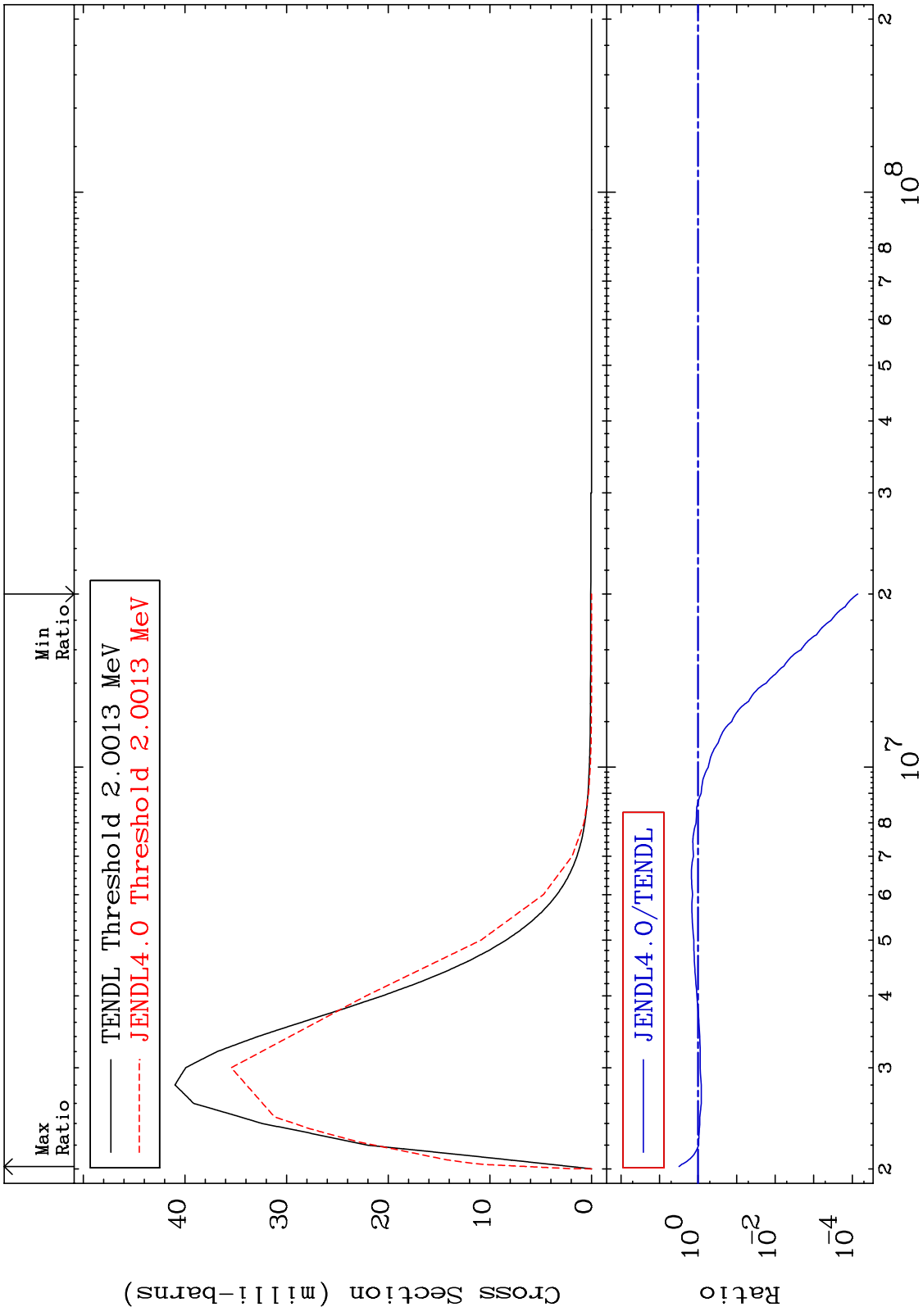
MAT 3125 MT= 62 (n,n') Level Cross Section 31-Ga-69  
 -100.0 To 61.10 %



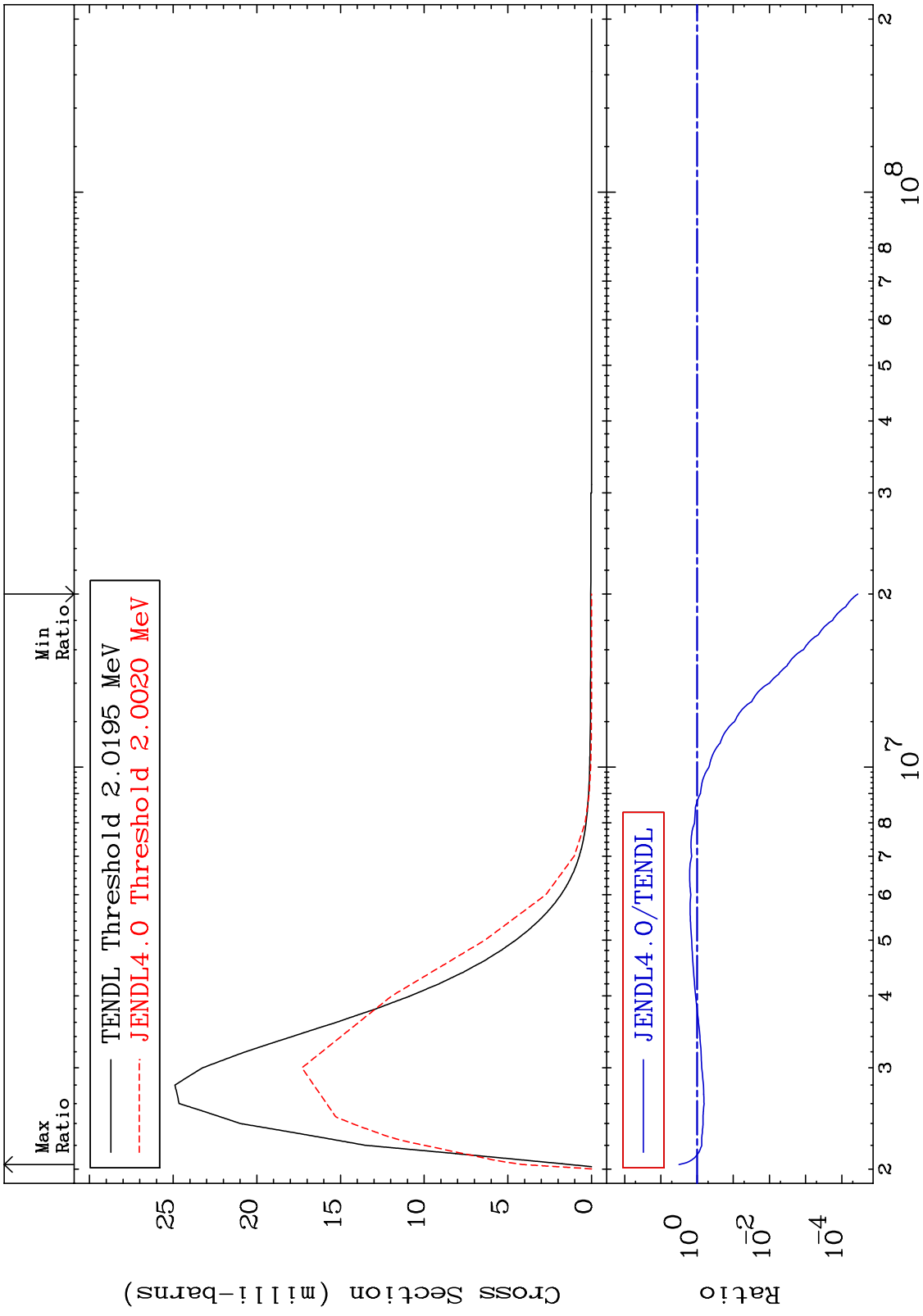
MAT 3125 MT= 63 (n,n') Level Cross Section 31-Ga-69 -100.0 To 47.02 %



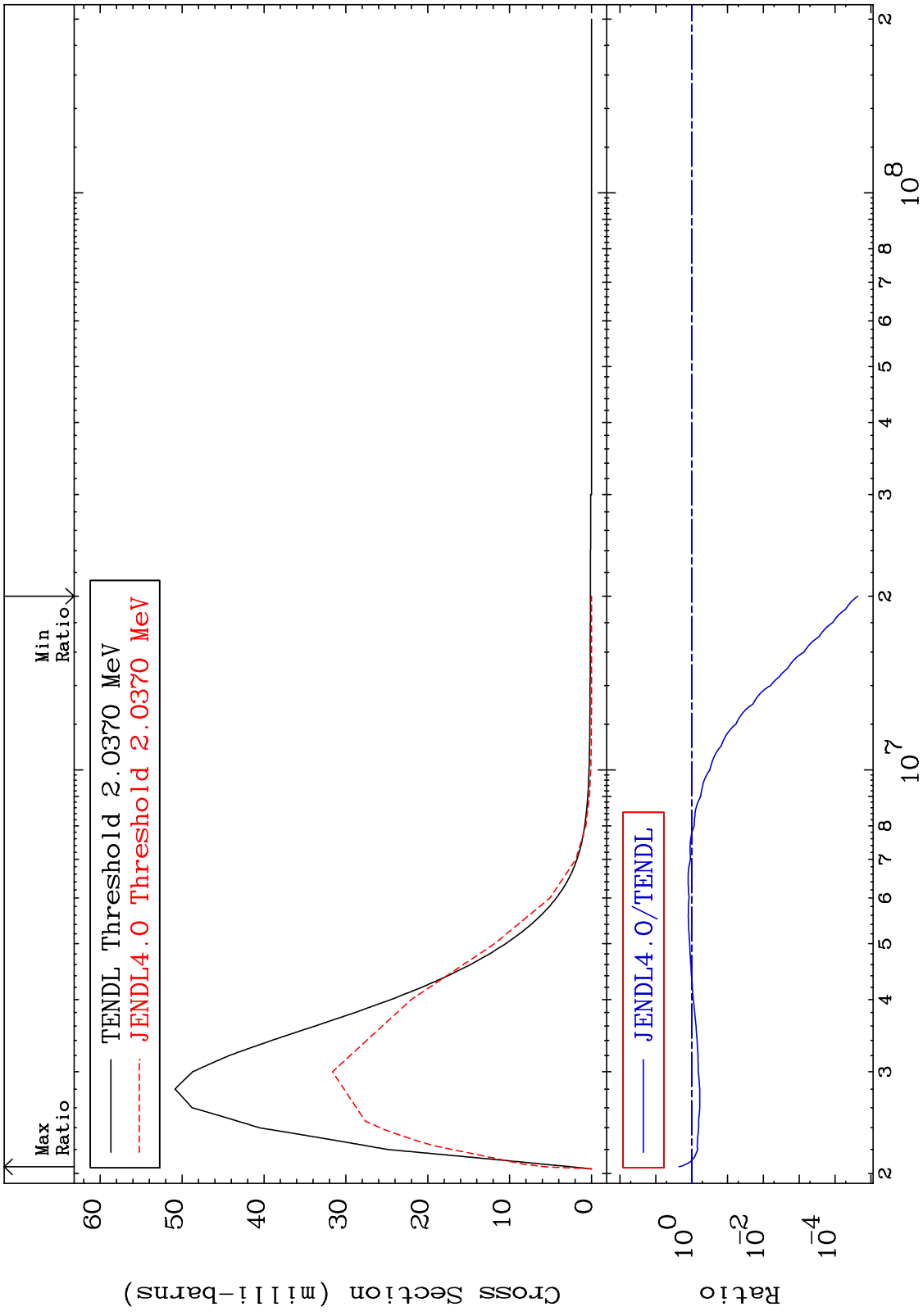
MAT 3125 MT= 64 (n,n') Level Cross Section 31-Ga-69 -99.99 To 212.1 %



MAT 3125 MT= 65 (n,n') Level Cross Section -100.0 To 214.6 % 31-Ga-69

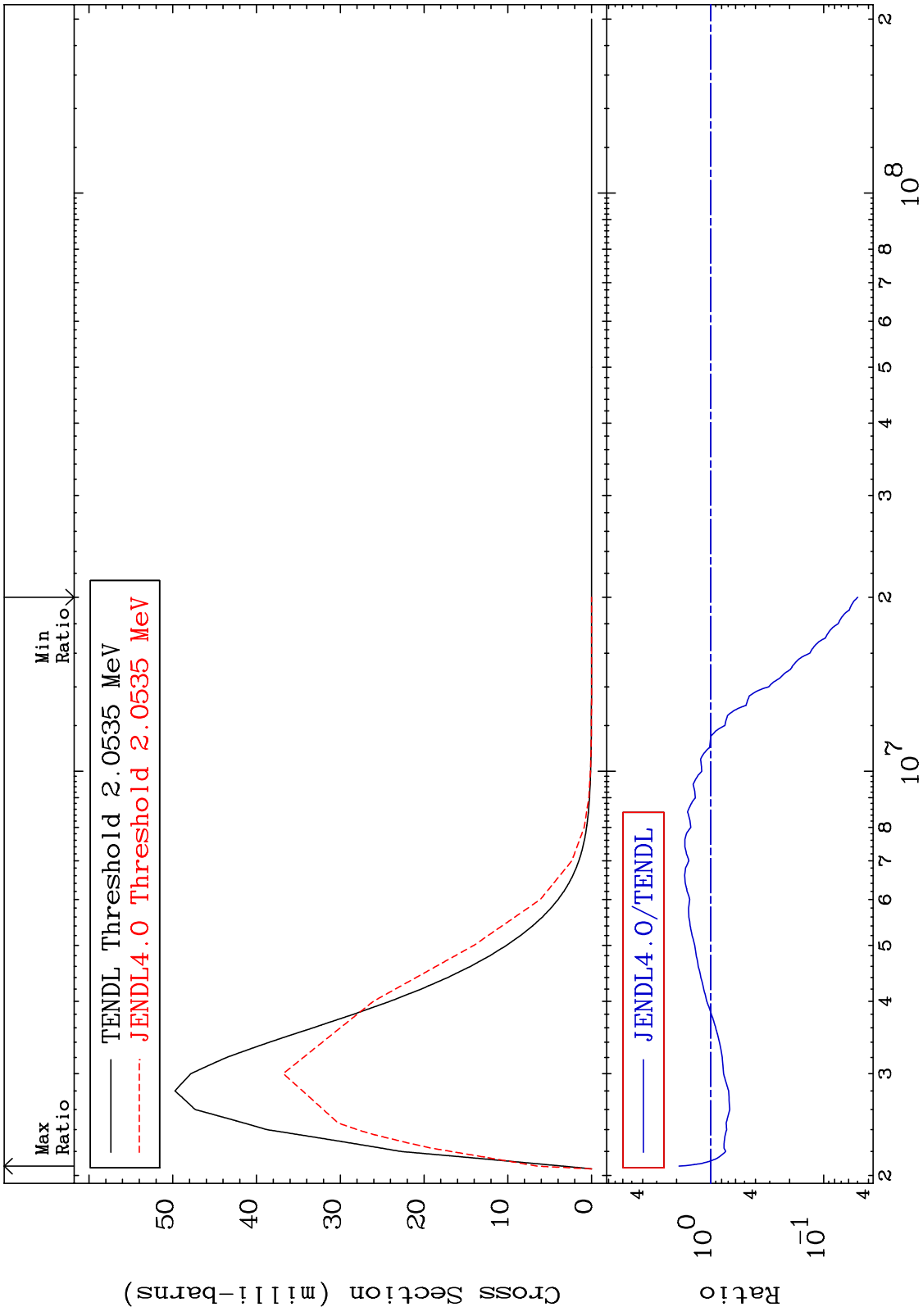


MAT 3125 MT= 66 (n,n') Level Cross Section -100.0 To 123.9 % 31-Ga-69

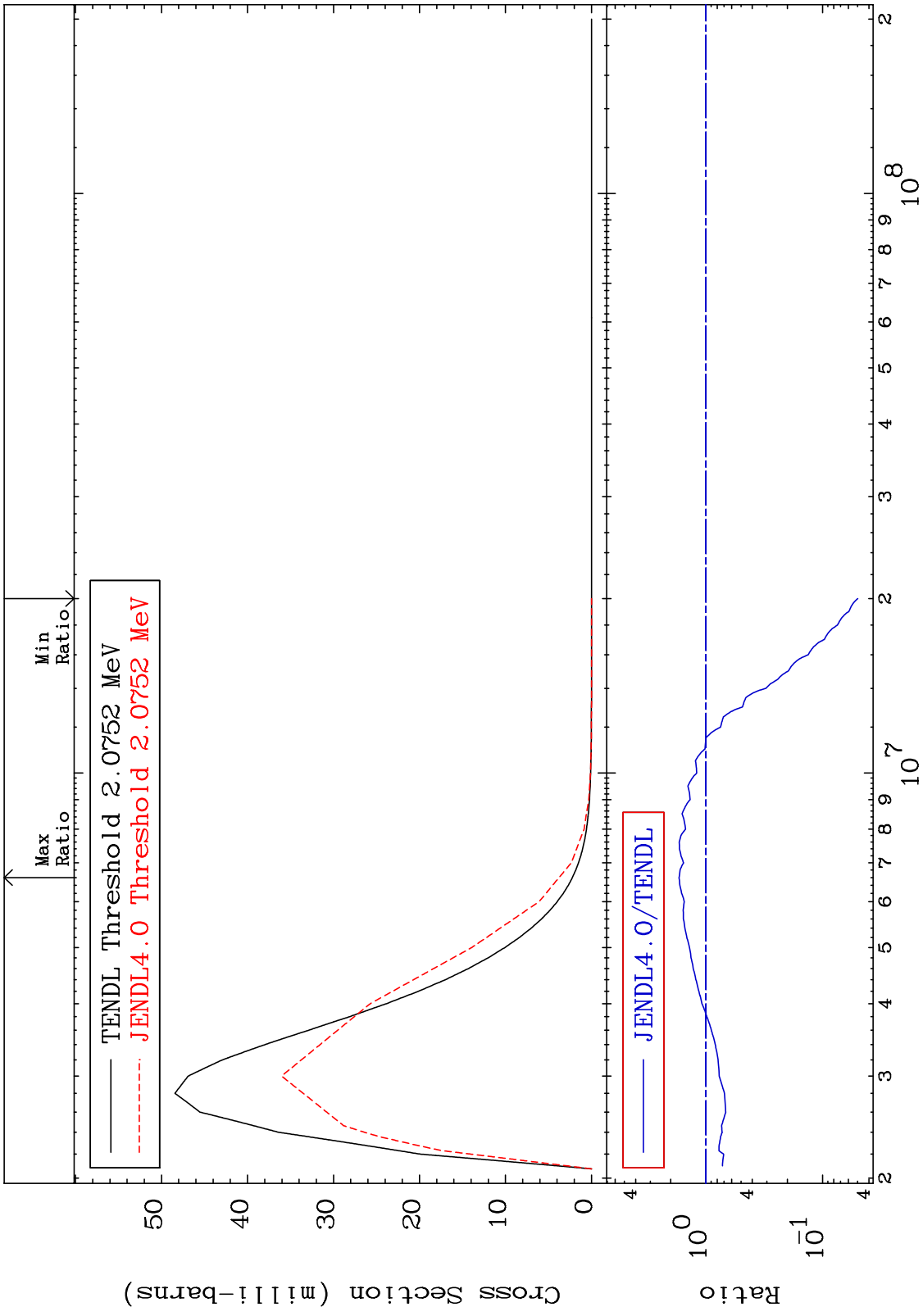




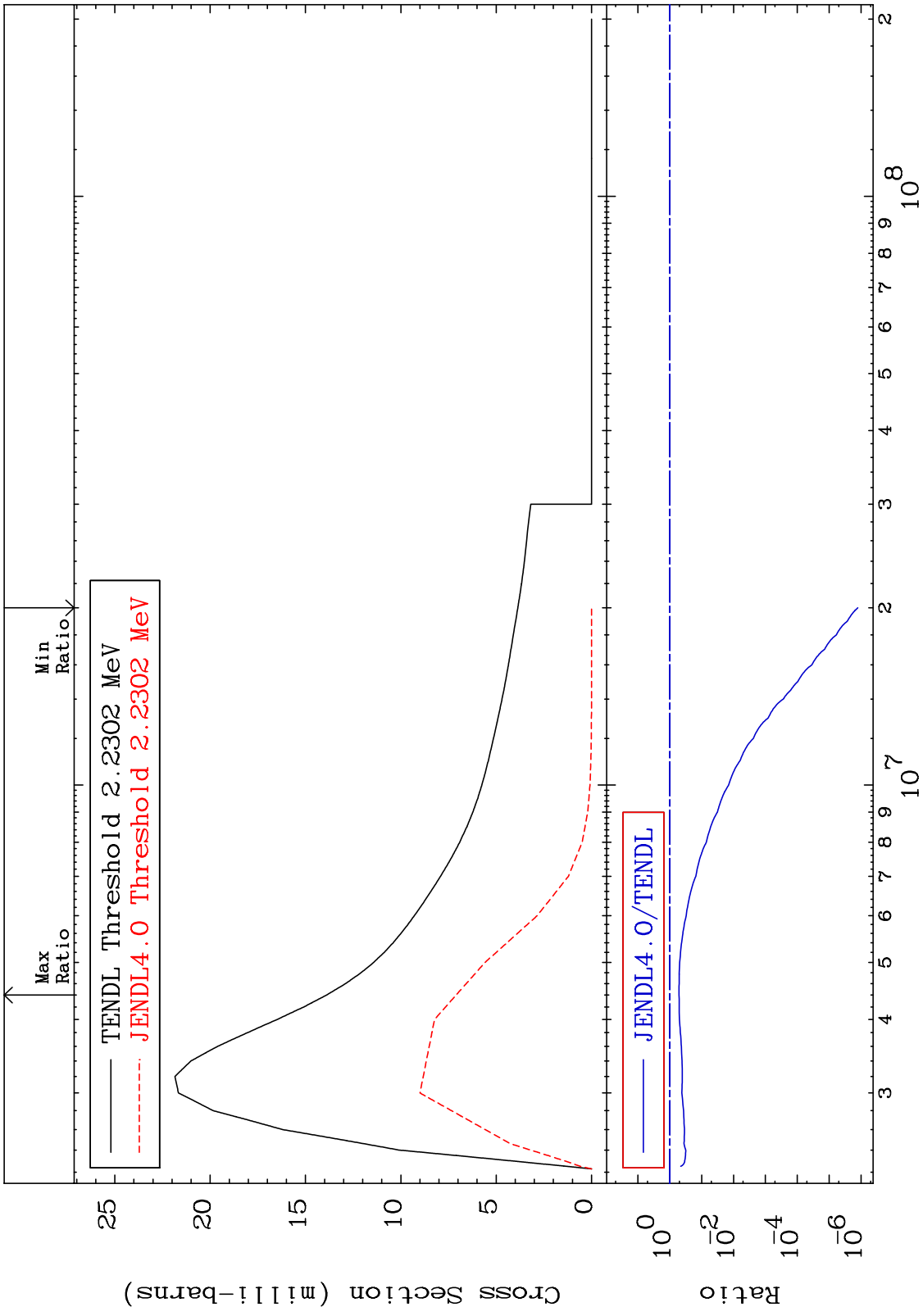
MAT 3125 MT= 67 (n,n') Level Cross Section 31-Ga-69 -95.02 To 90.34 %



MAT 3125 MT= 68 (n,n') Level Cross Section 31-Ga-69  
 -95.02 To 69.87 %



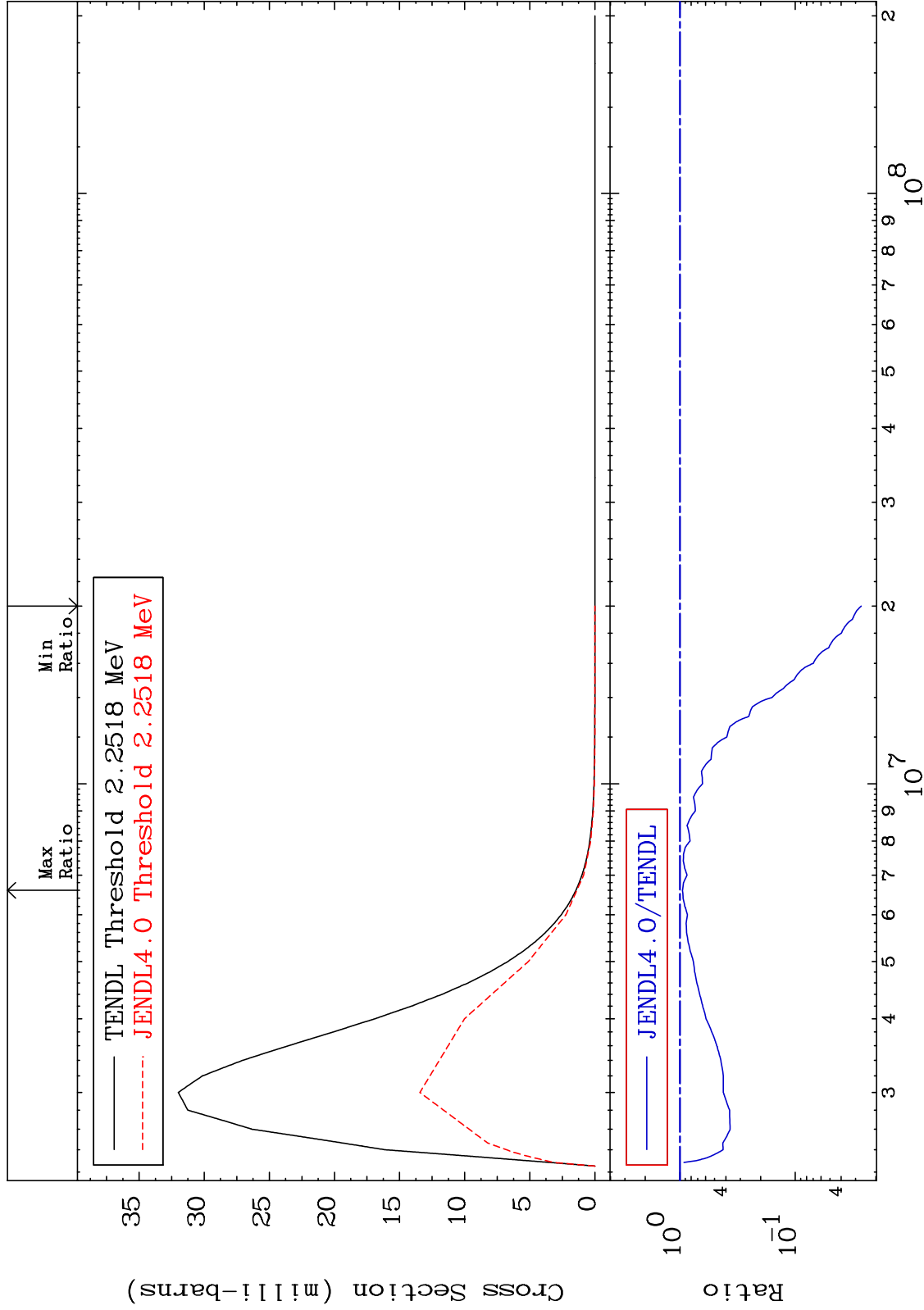
MAT 3125 MT= 69 (n,n') Level Cross Section 31-Ga-69 -100.0 To -48.89%



MAT 3125

MT= 70 (n,n') Level  
Cross Section

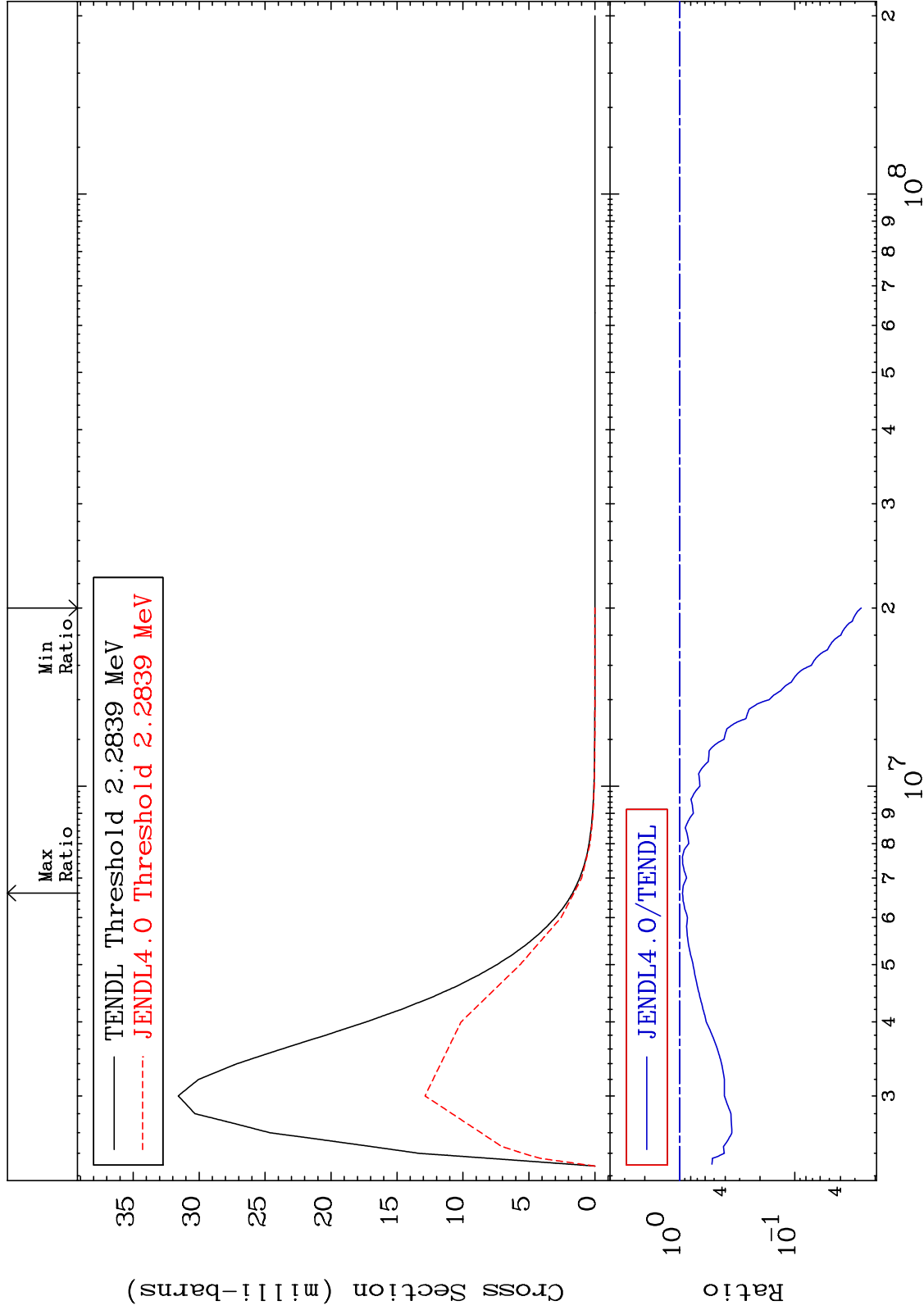
31-Ga-69  
-97.32 To -4.992%



MAT 3125

MT= 71 (n,n') Level  
Cross Section

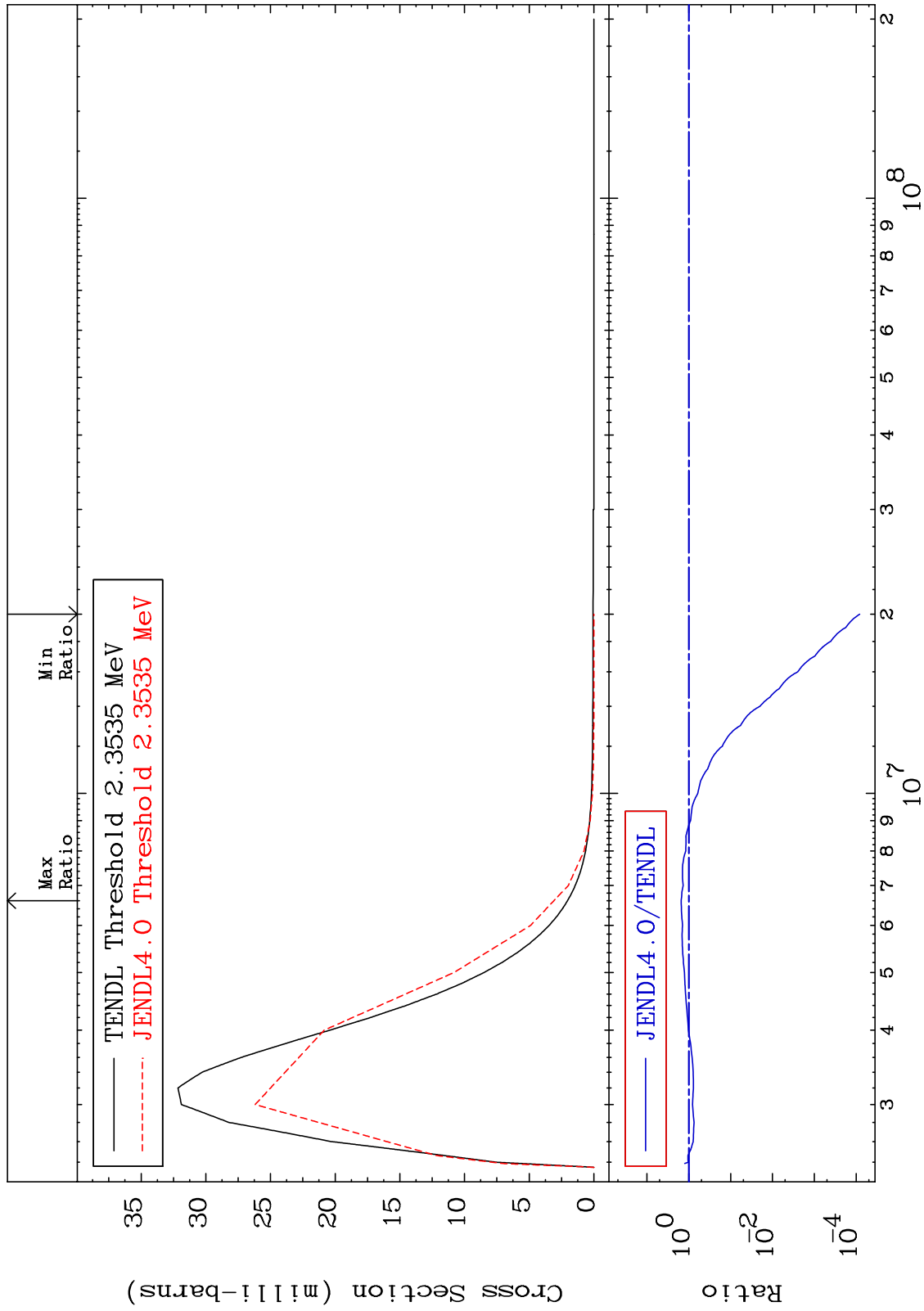
31-Ga-69  
-97.36 To -5.705%



MAT 3125

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

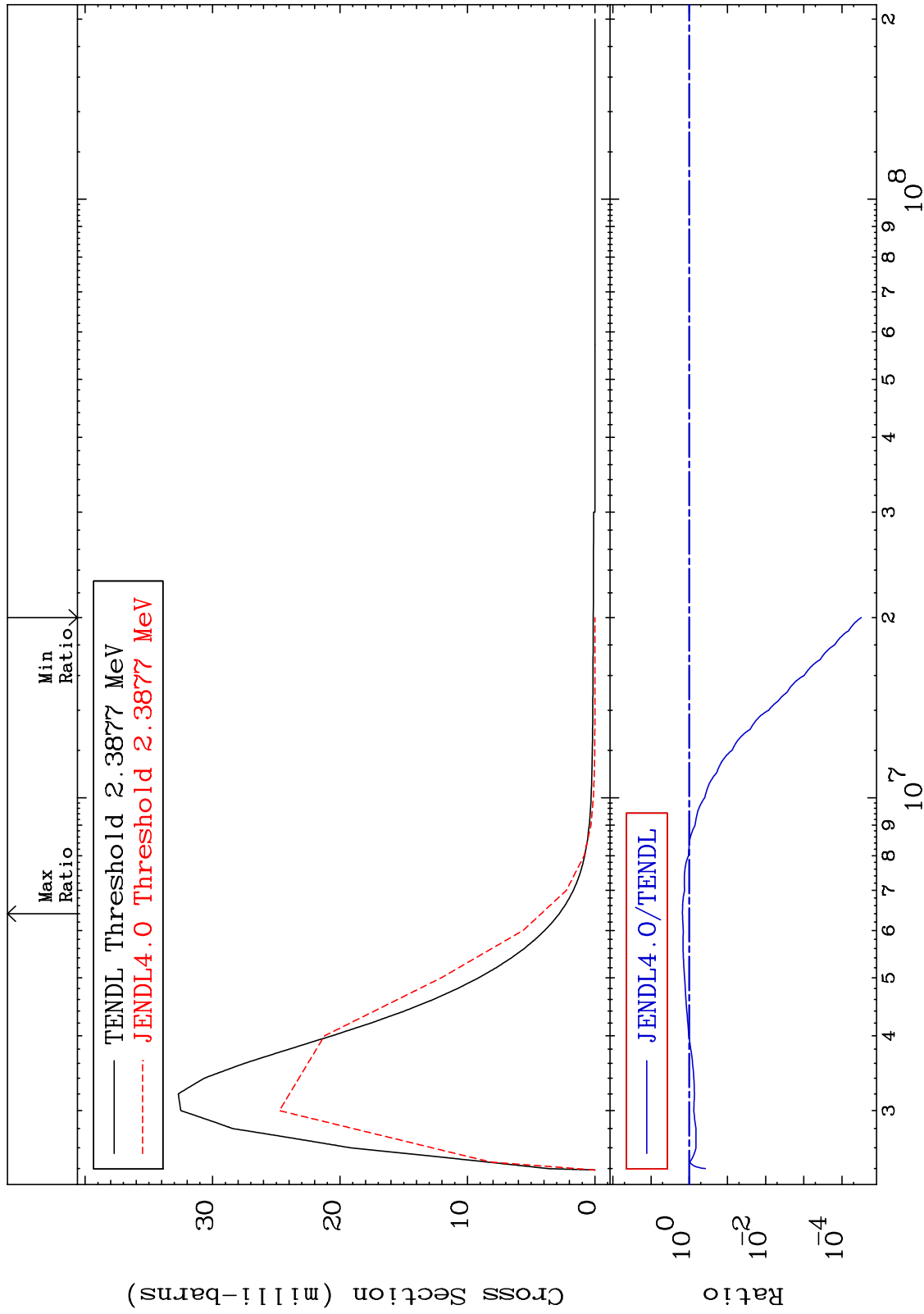
31-Ga-69  
-99.99 To 51.96 %



MAT 3125

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

31-Ga-69  
-100.0 To 50.61 %



30

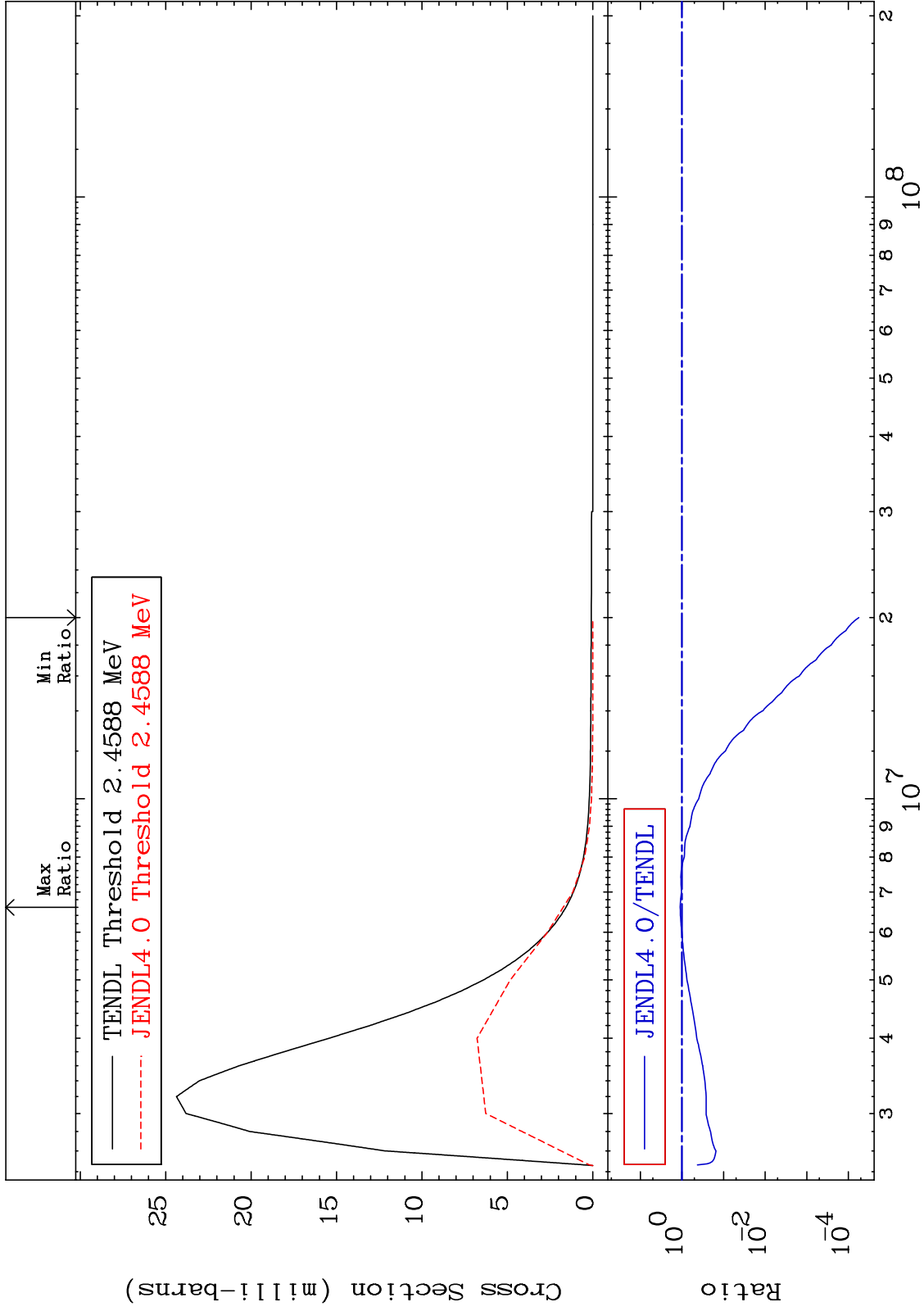
Incident Energy (eV)

31-Ga-69

MAT 3125

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

31-Ga-69  
-99.99 To 9.920 %



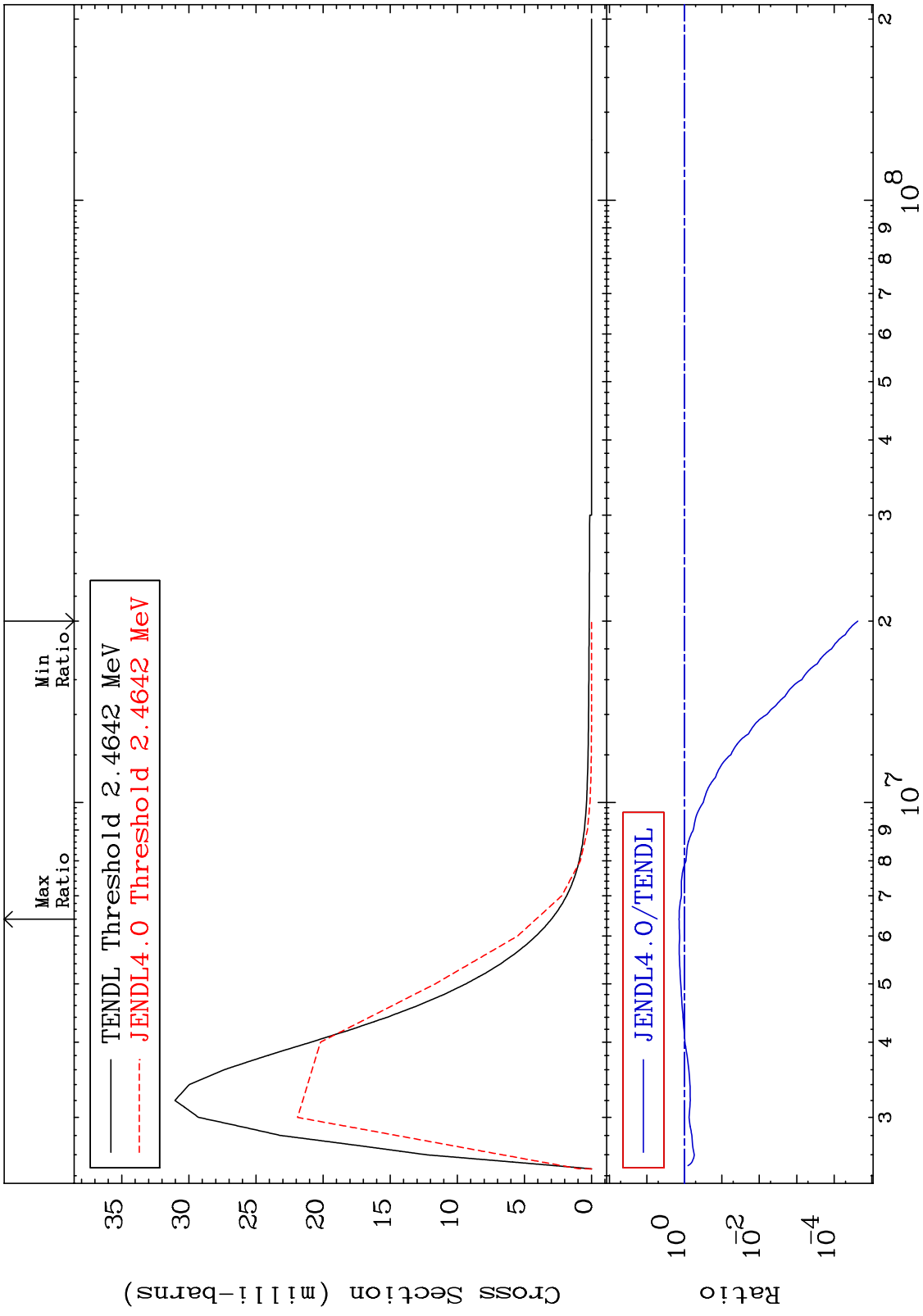
31

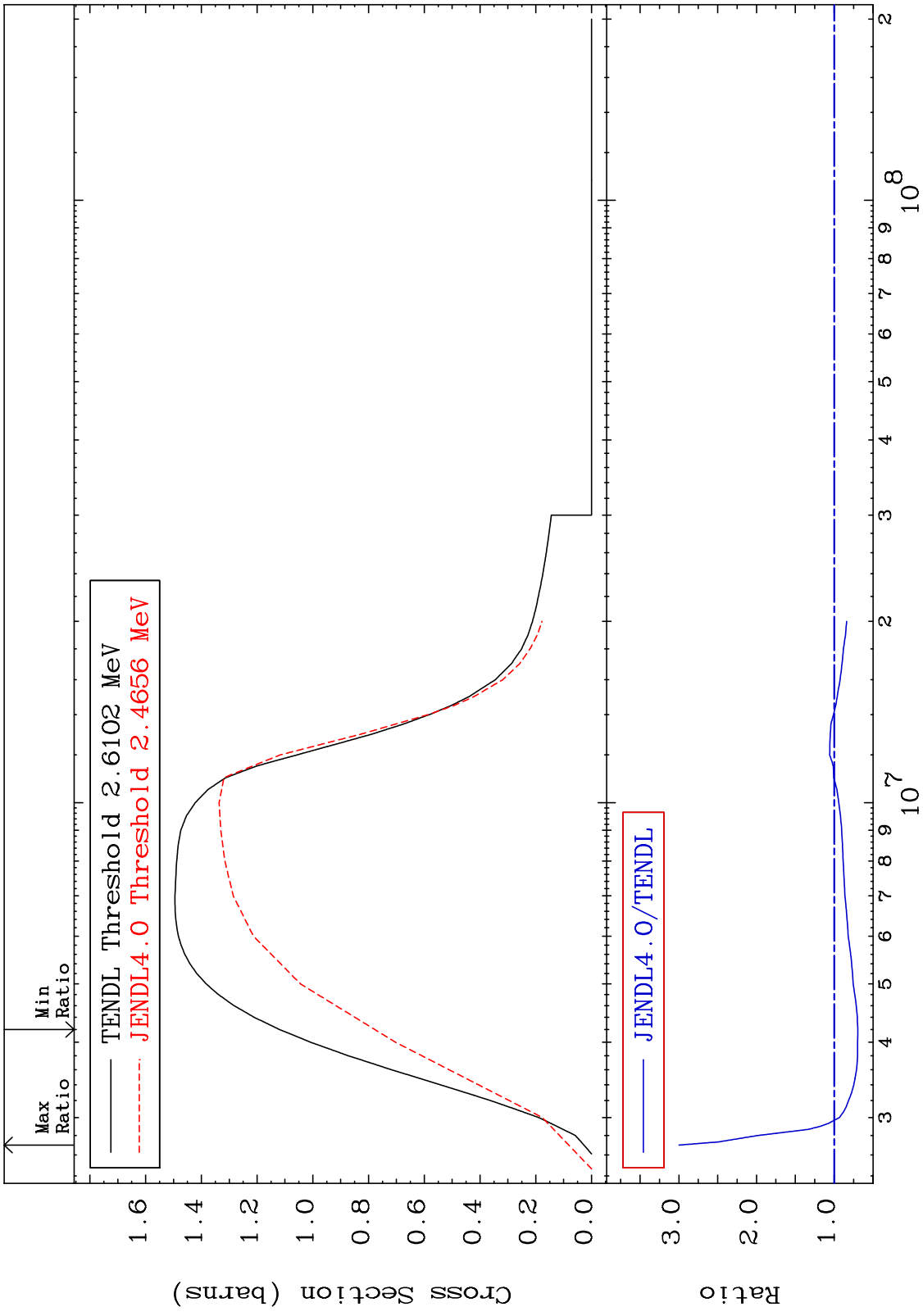
Incident Energy (eV)

31-Ga-69



MAT 3125 MT= 75 (n,n') Level Cross Section -100.0 To 38.44 % 31-Ga-69





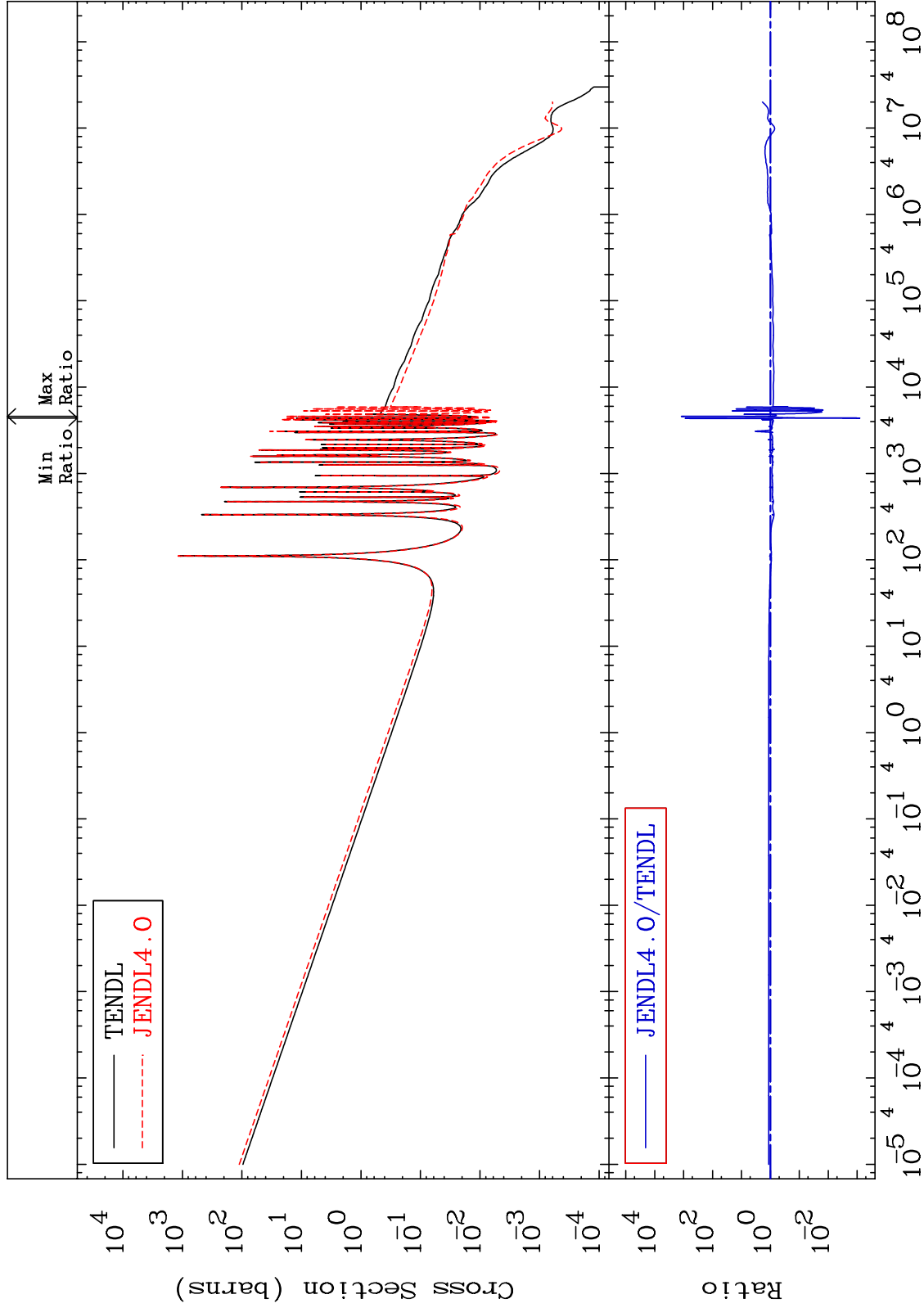
MAT 3125

(n,  $\gamma$ )

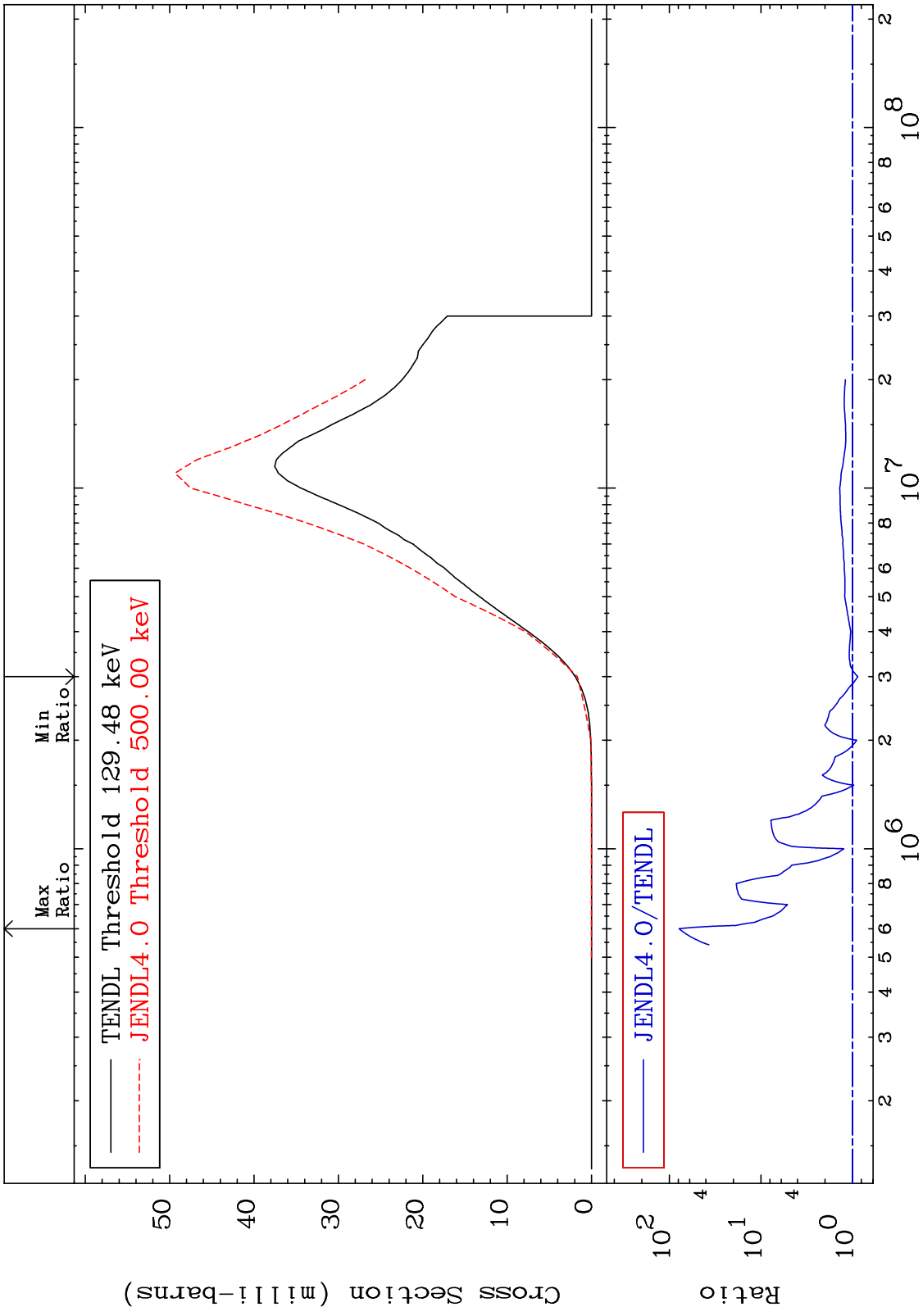
31-Ga-69

Cross Section

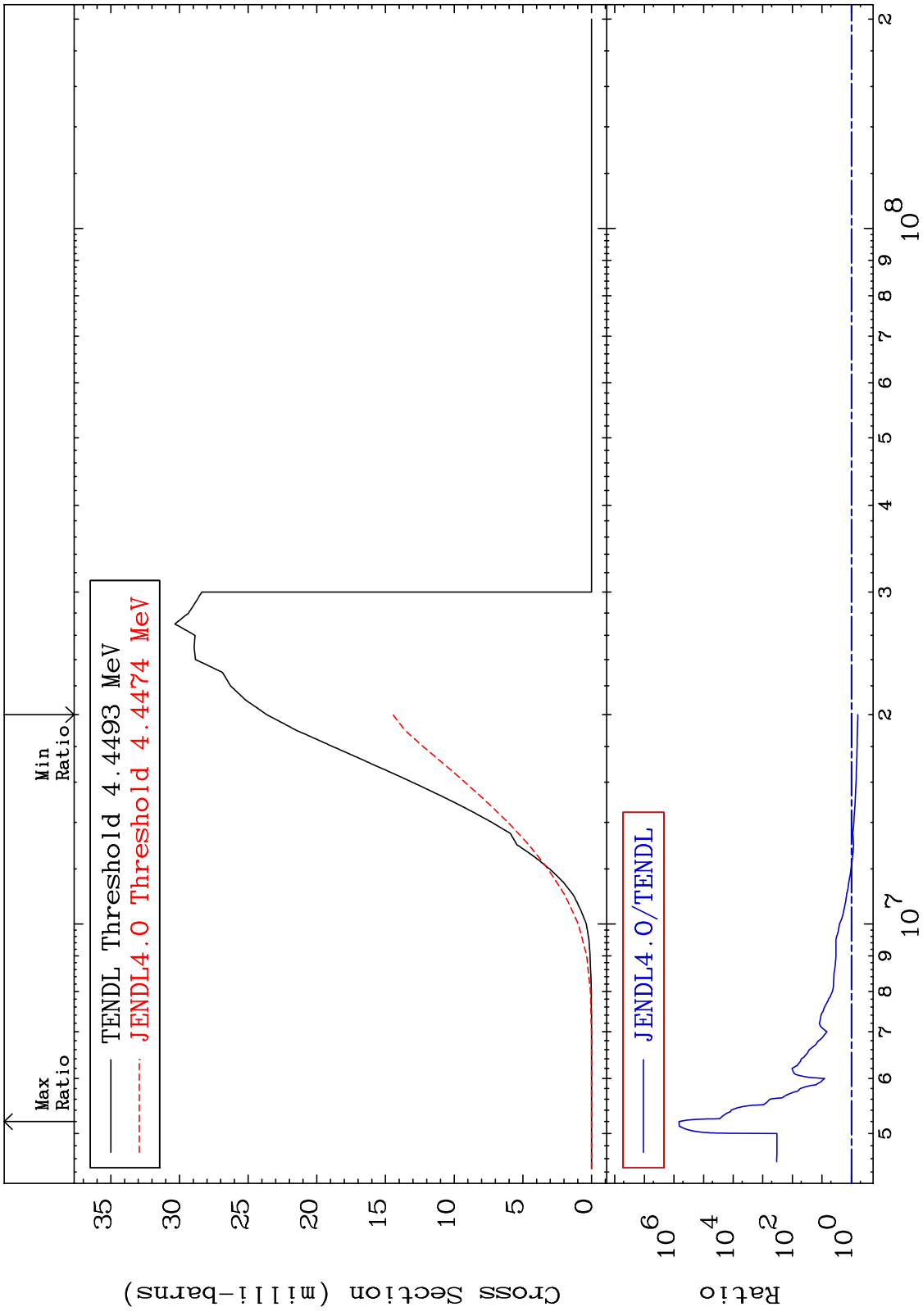
-99.92 To 9999. %



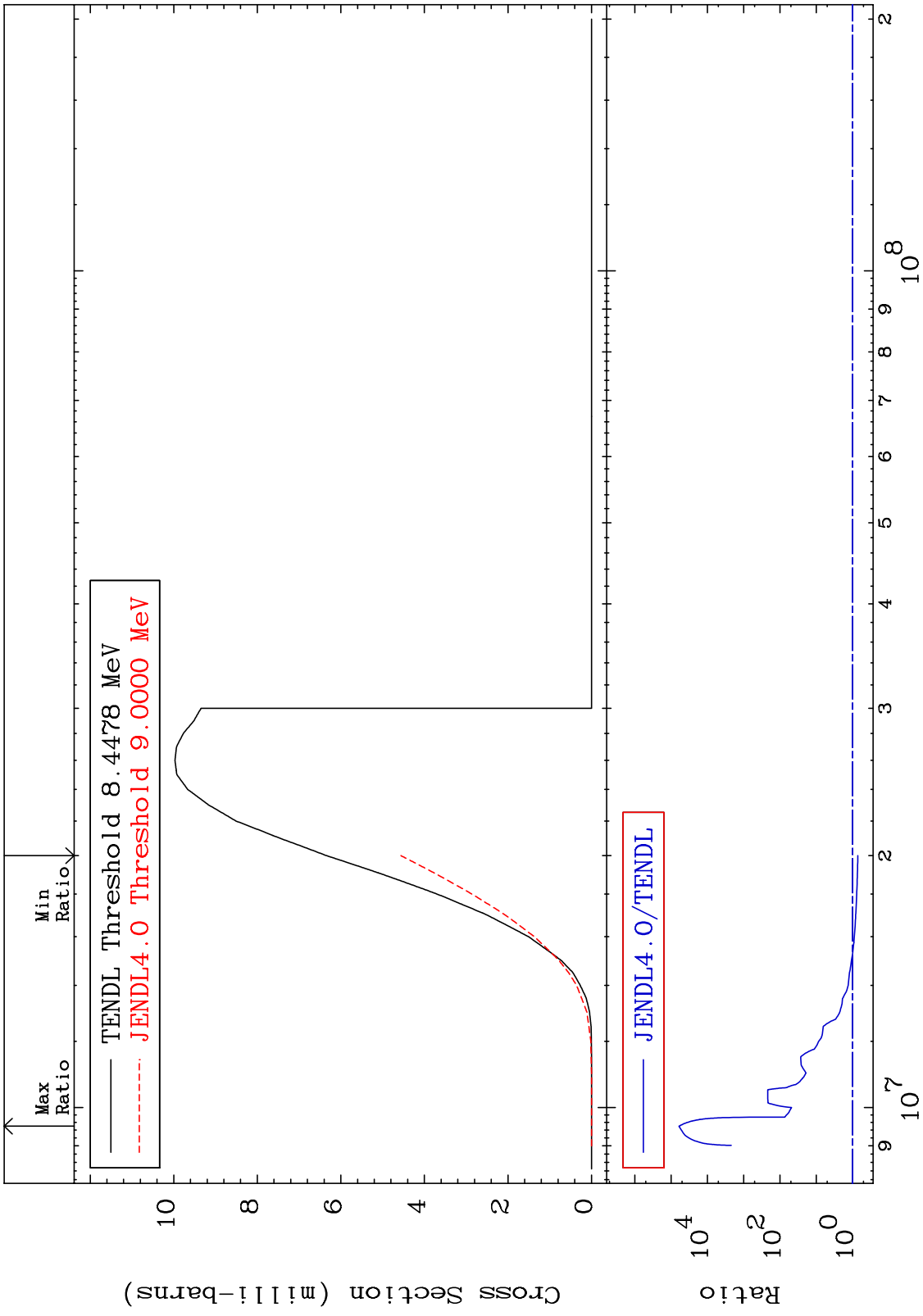
MAT 3125 (n,p) Cross Section 31-Ga-69 -12.61 To 7751. %



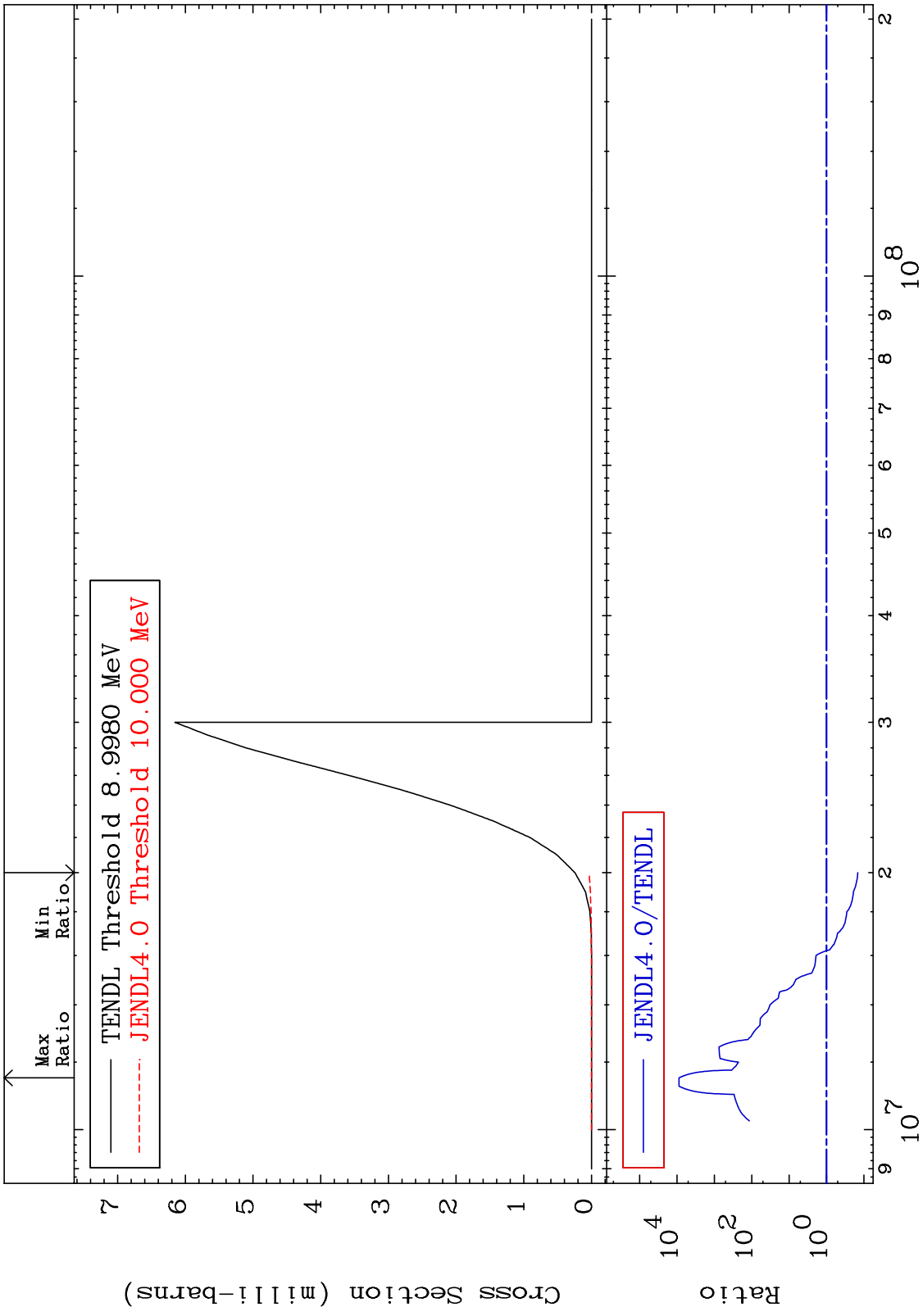
35 31-Ga-69



MAT 3125 (n,t) 31-Ga-69  
 Cross Section -28.04 To 9999. %



37 31-Ga-69



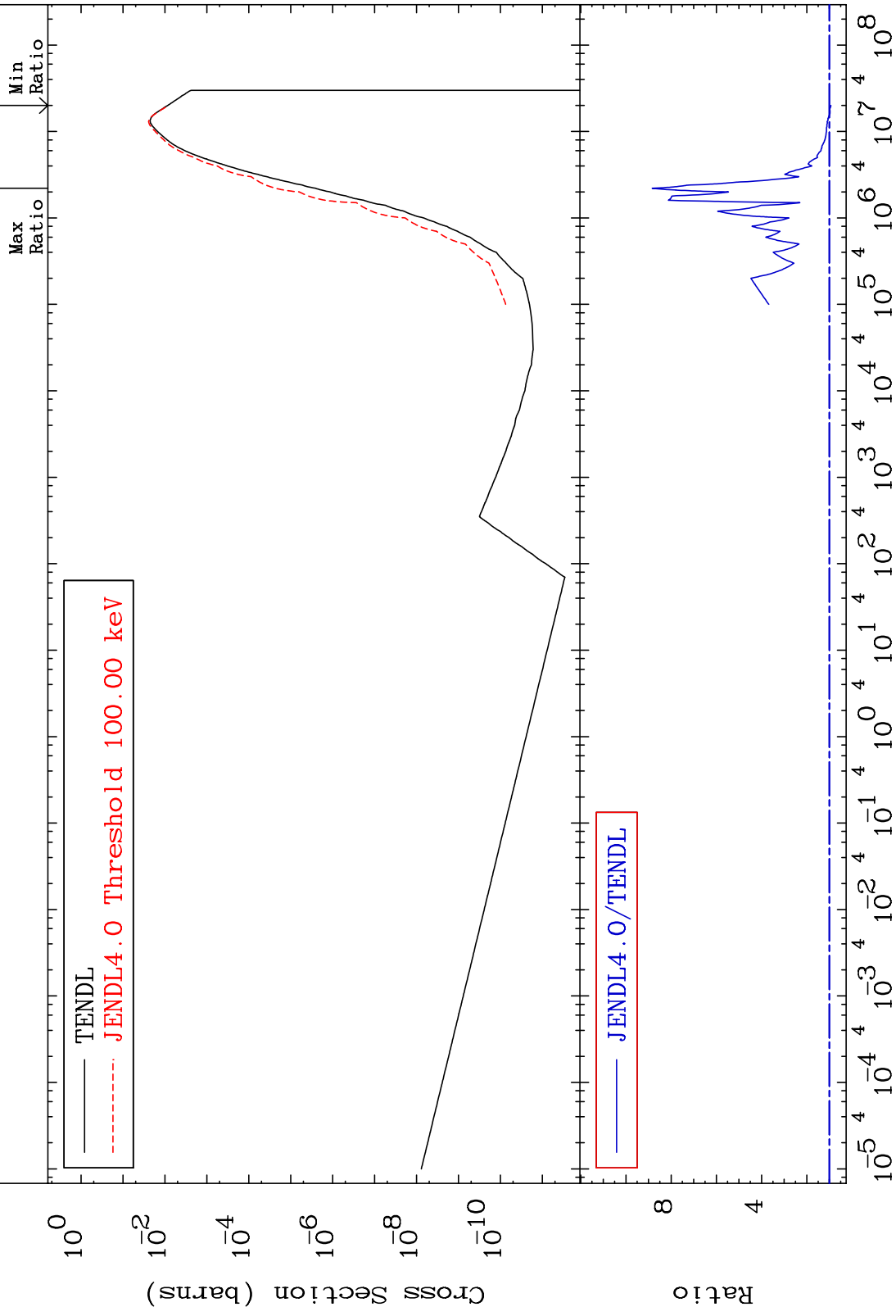
MAT 3125

(n,  $\alpha$ )

31-Ga-69

Cross Section

-6.695 To 783.5 %

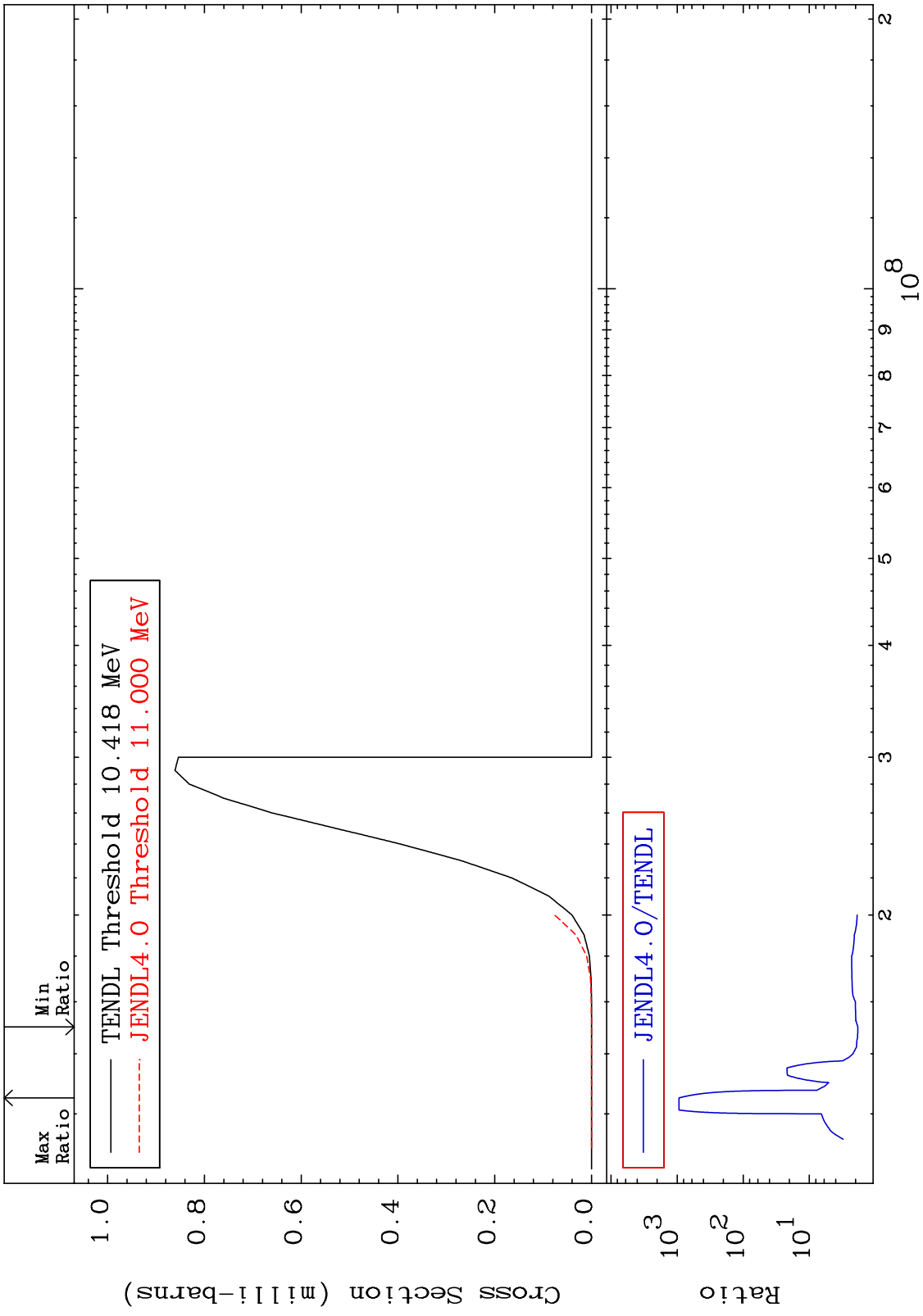


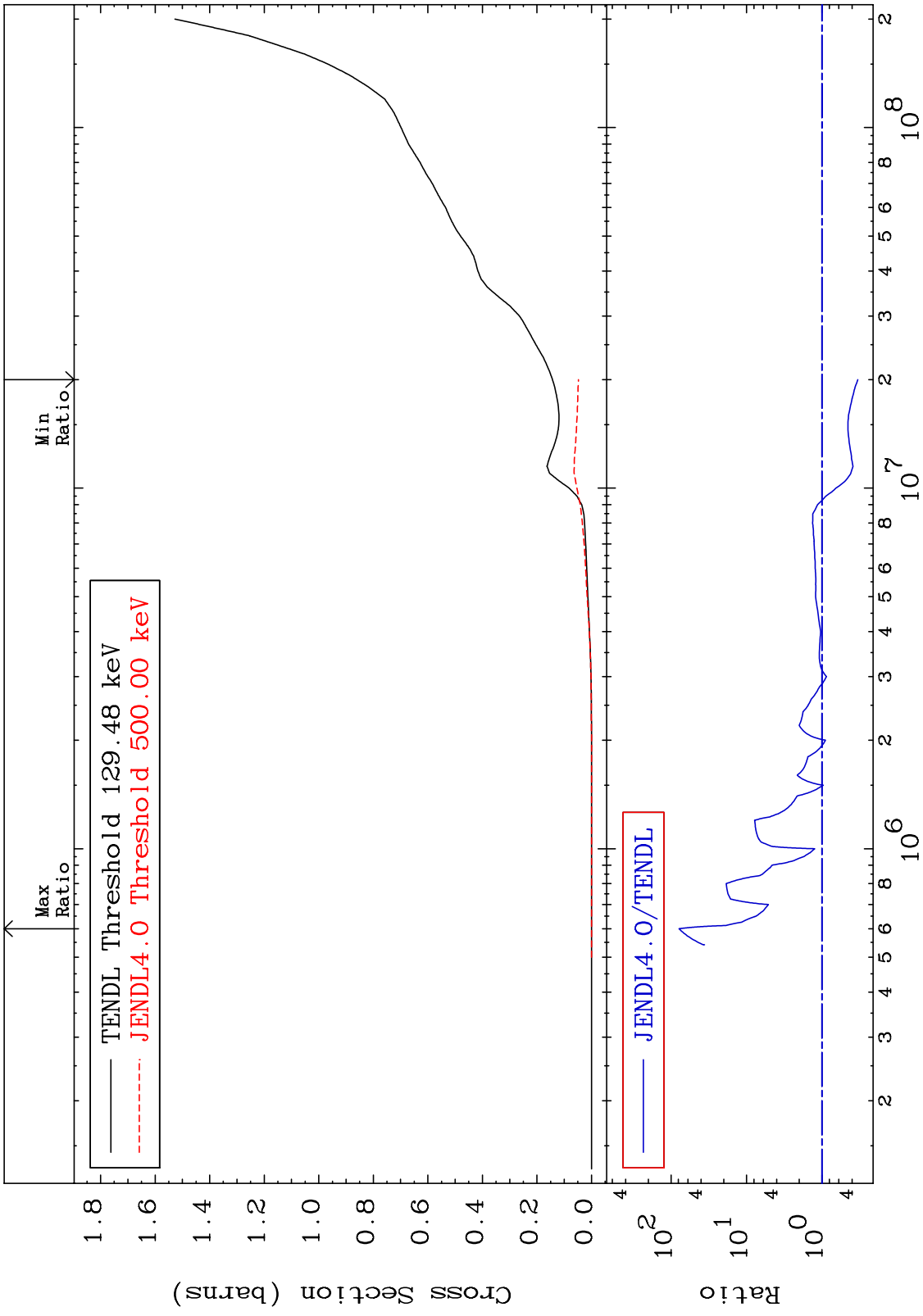
39

Incident Energy (eV)

31-Ga-69



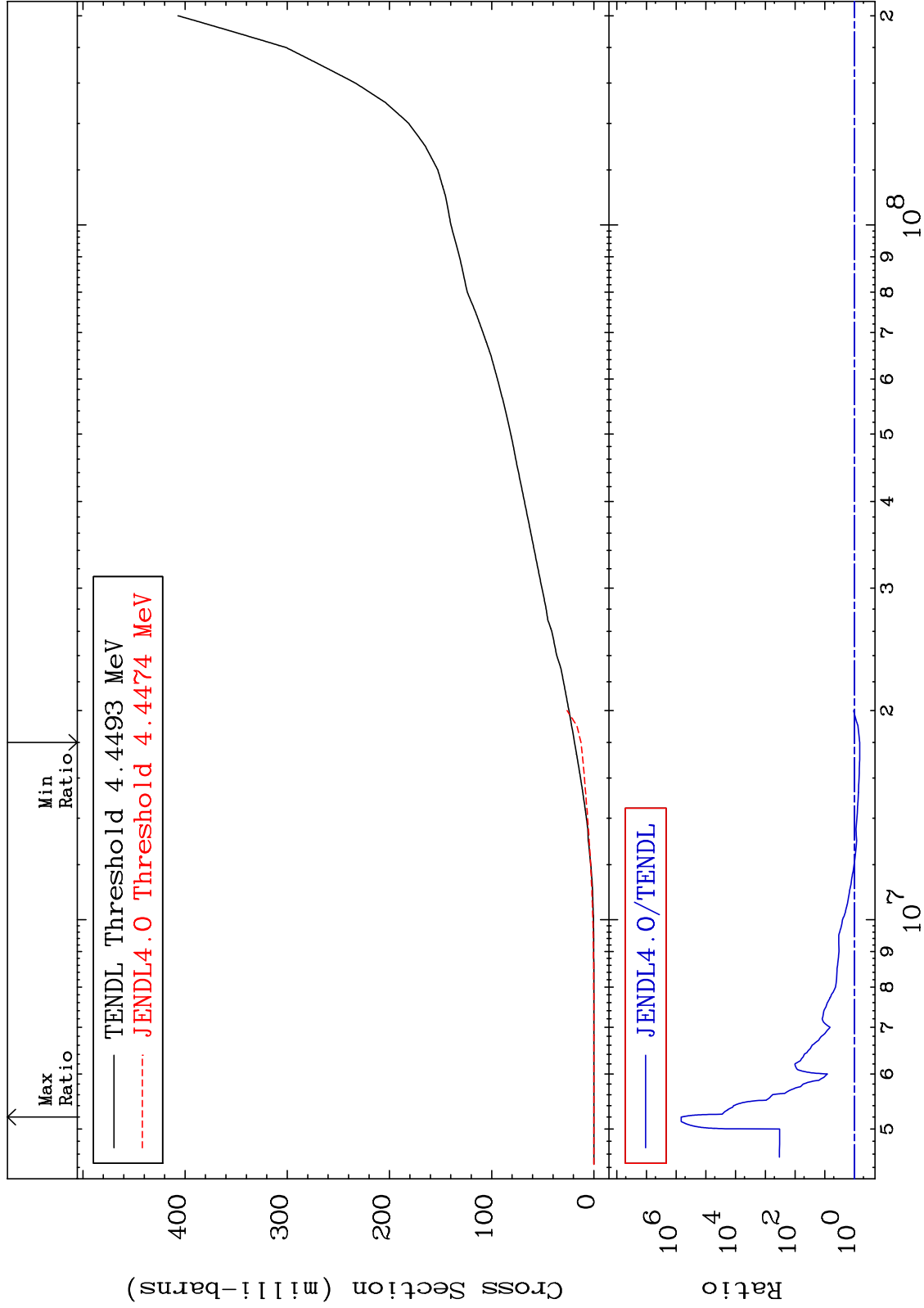




MAT 3125

Deuterium Production  
Cross Section

31-Ga-69  
-33.24 To 9999. %



42

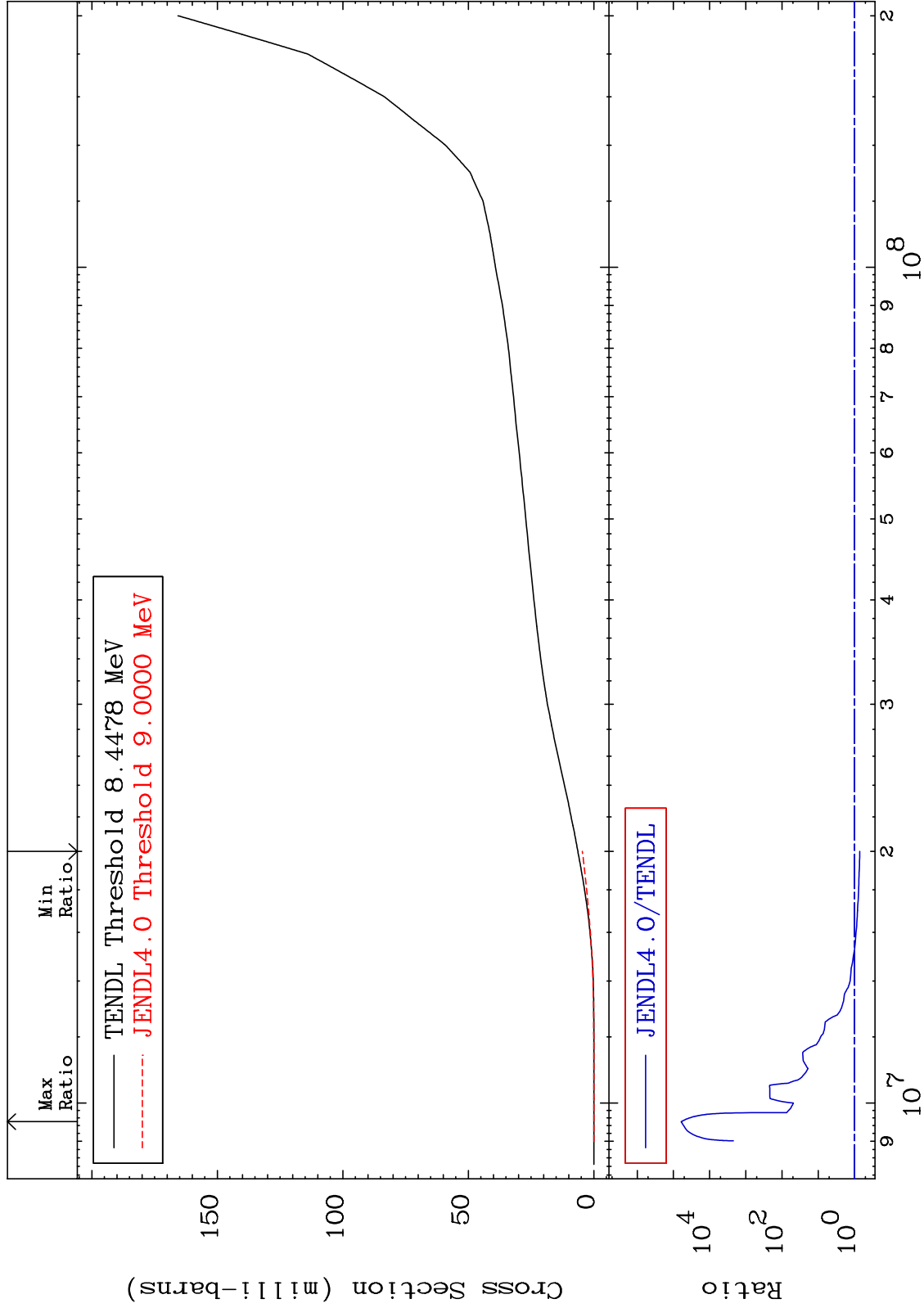
Incident Energy (eV)

31-Ga-69

MAT 3125

Tritium Production  
Cross Section

31-Ga-69  
-28.43 To 9999. %



43

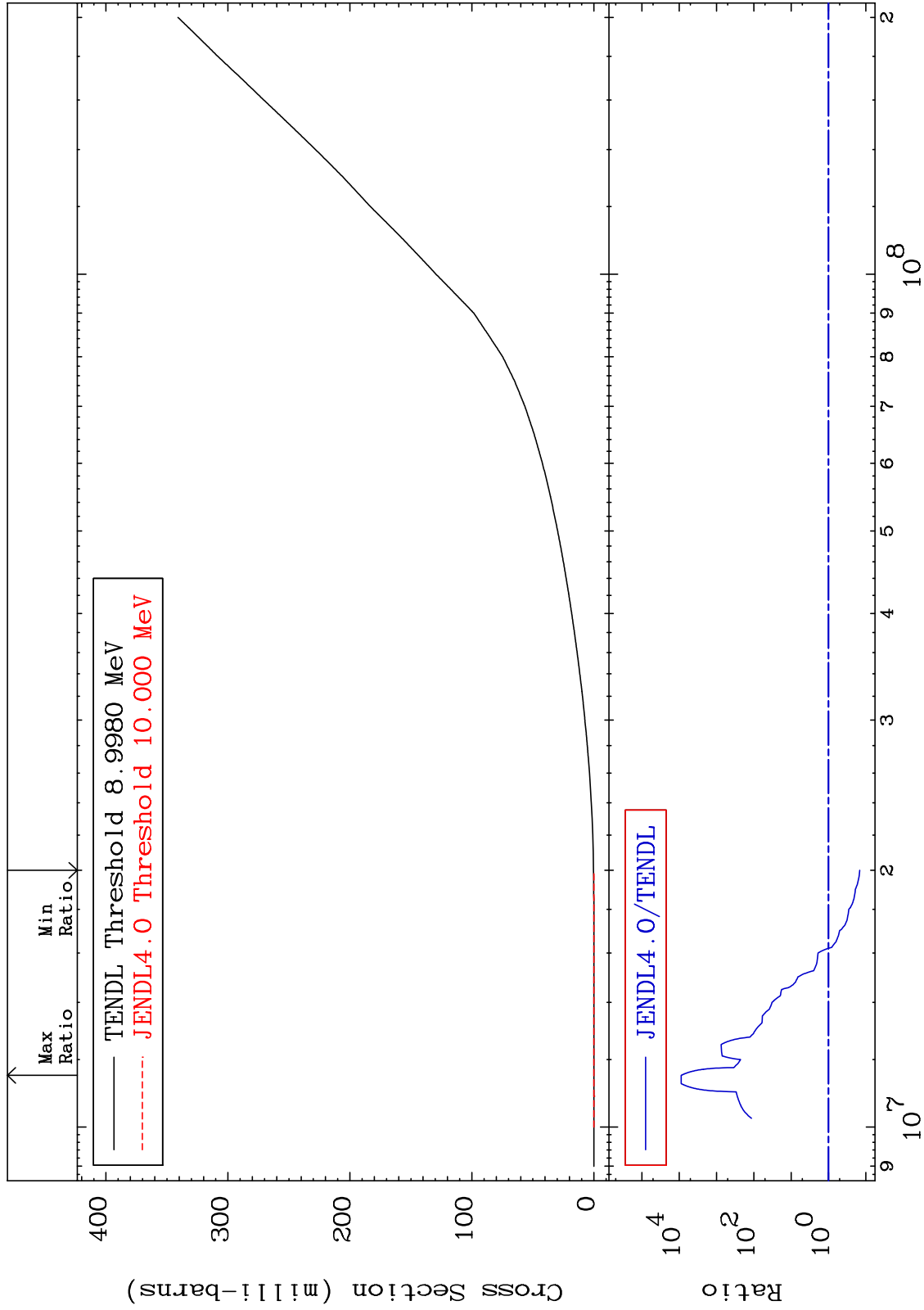
Incident Energy (eV)

31-Ga-69

MAT 3125

He-3 Production  
Cross Section

31-Ga-69  
-85.55 To 9999. %



44

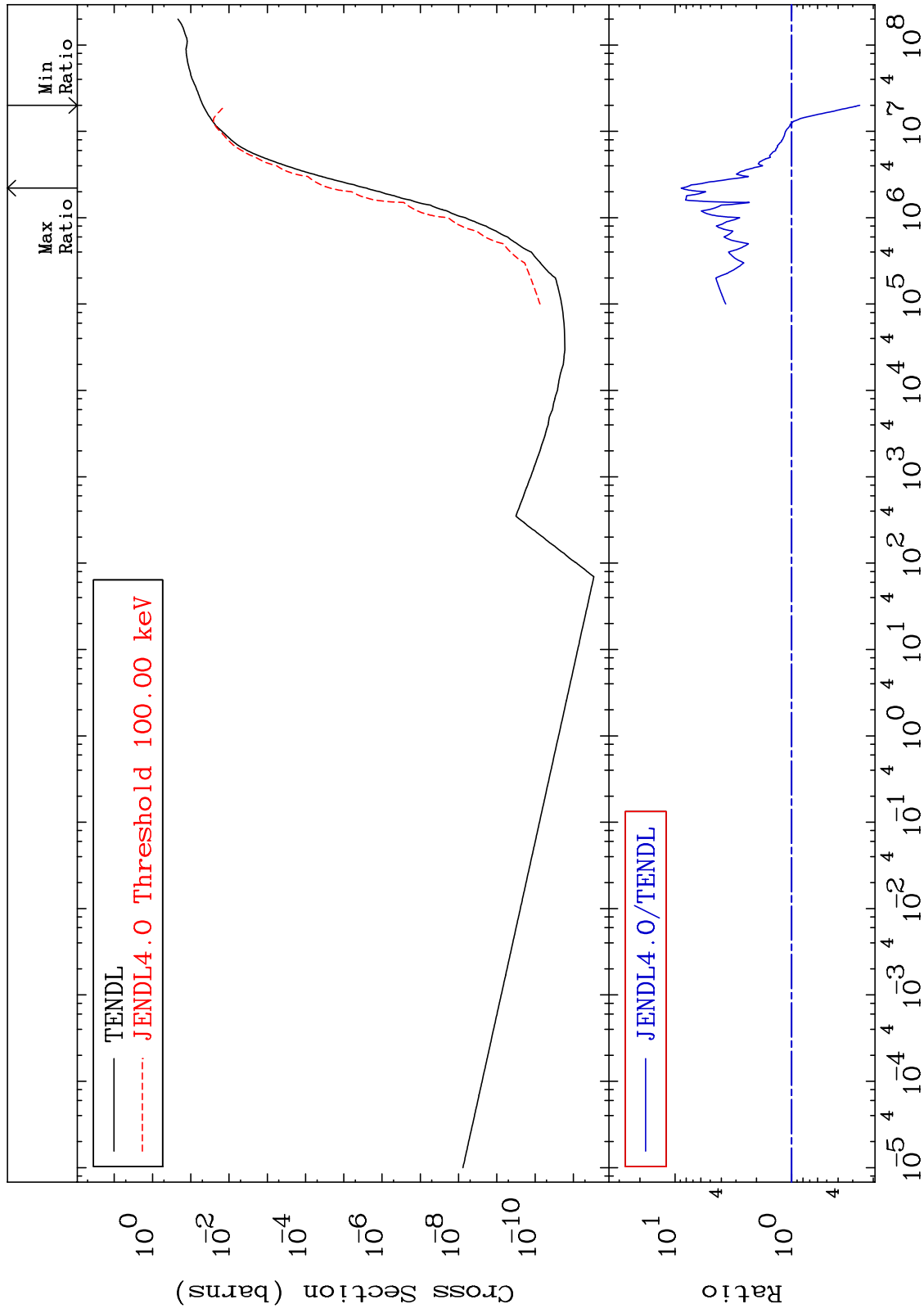
Incident Energy (eV)

31-Ga-69

MAT 3125

He-4 Production  
Cross Section

31-Ga-69  
-73.88 To 783.5 %

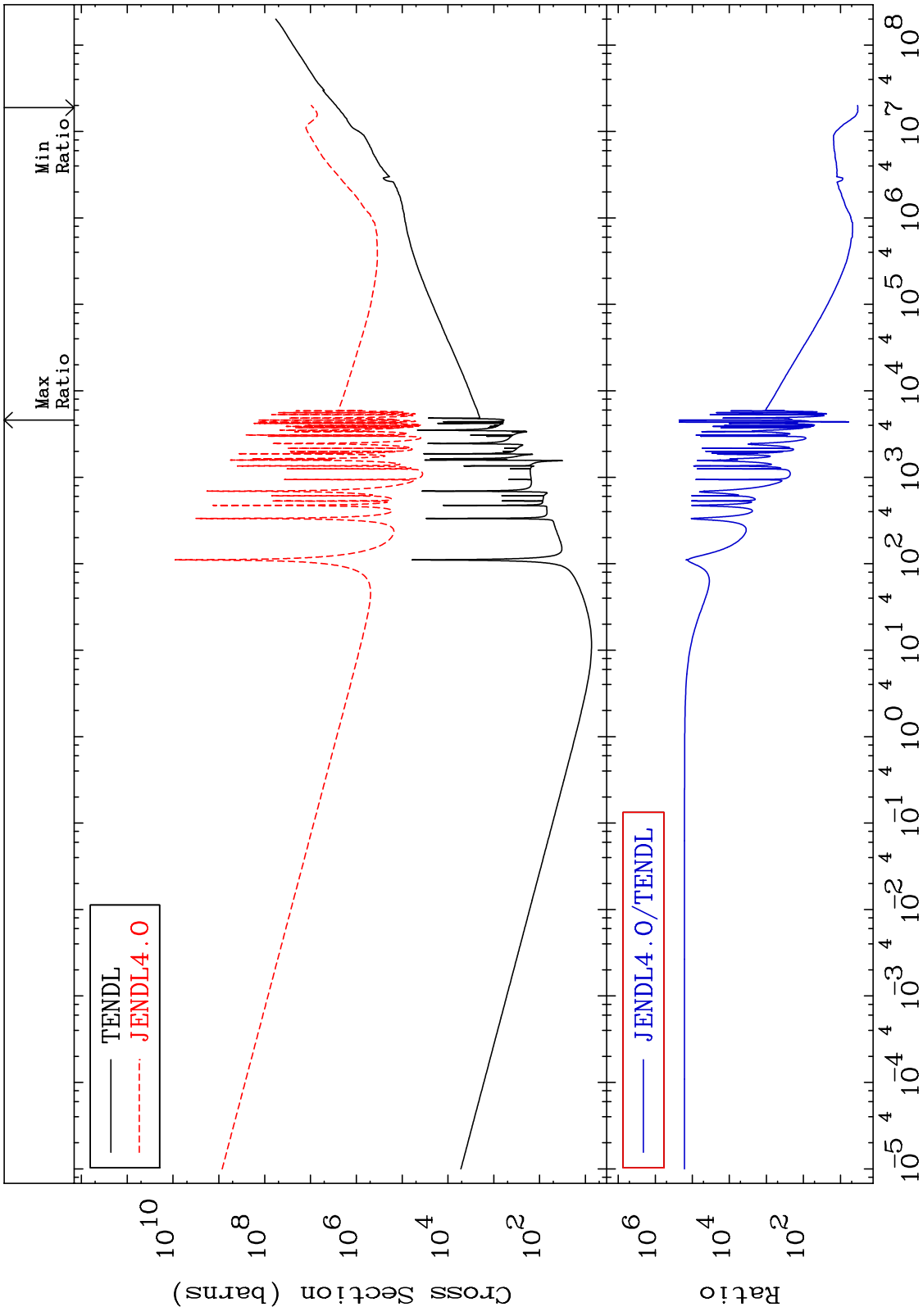


45

Incident Energy (eV)

31-Ga-69

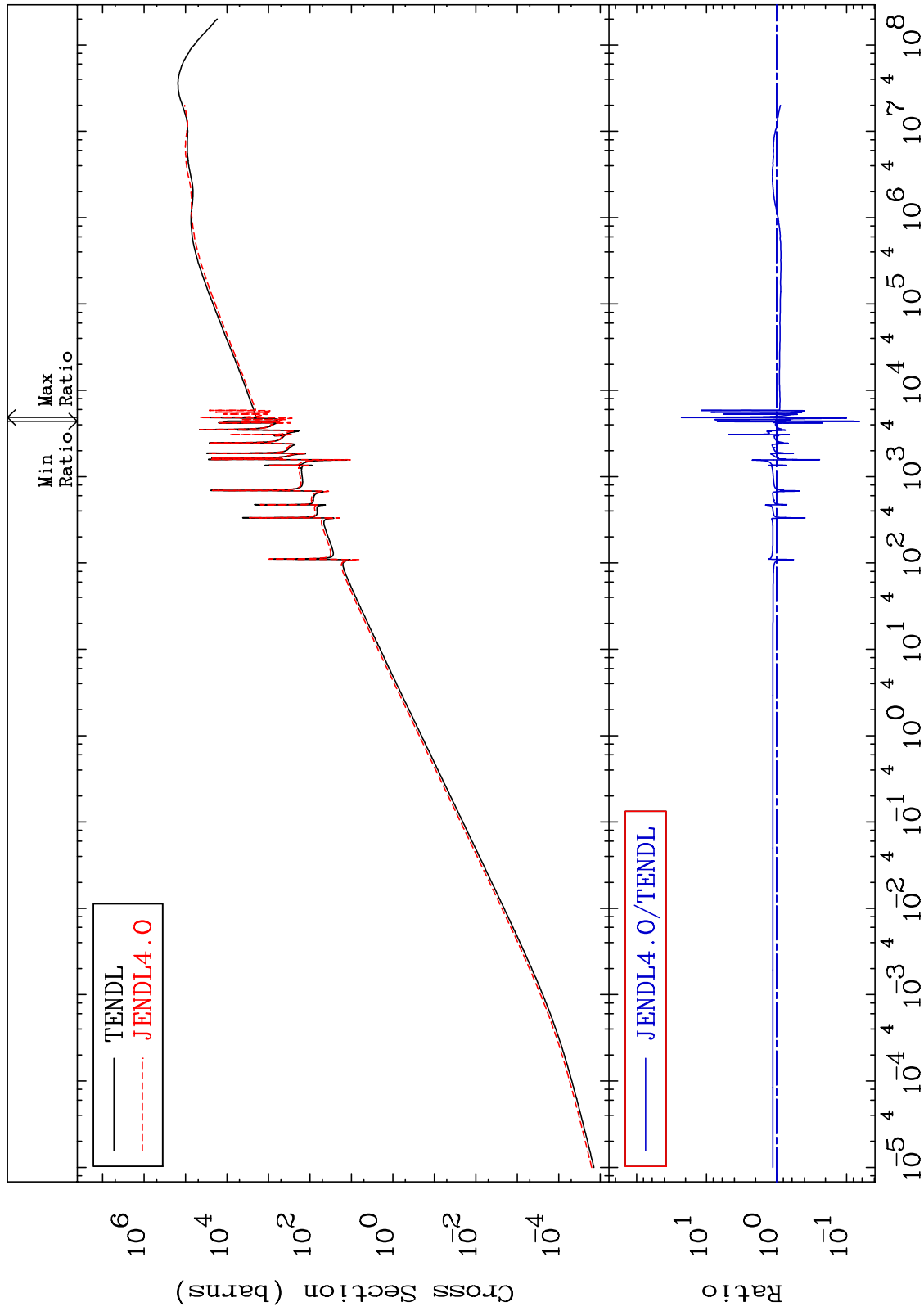
MAT 3125      Kerma total (eV-barns)  
 Cross Section      239.1    To 9999. %      31-Ga-69



MAT 3125

Kerma elastic  
Cross Section

31-Ga-69  
-93.52 To 2202. %



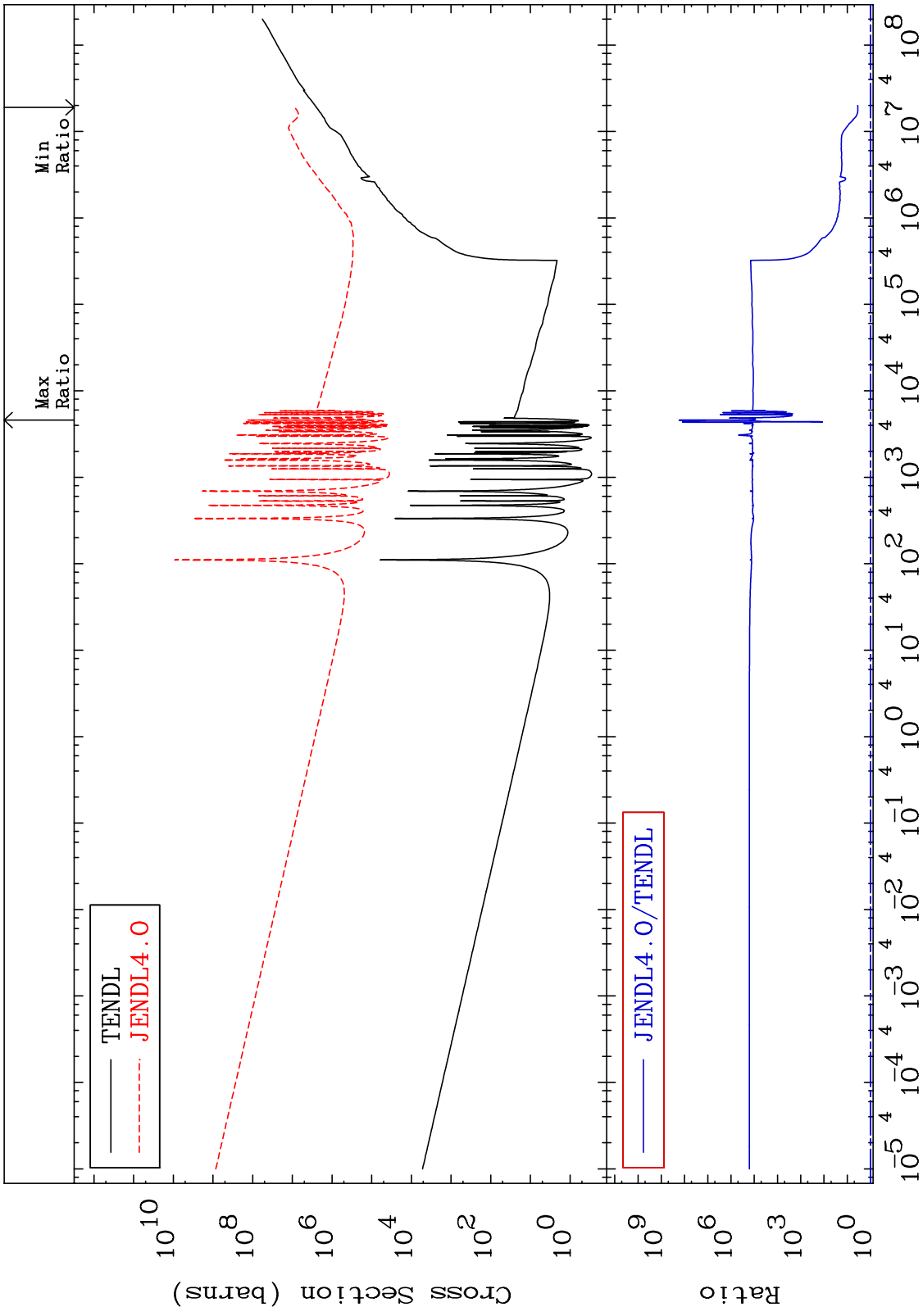
47

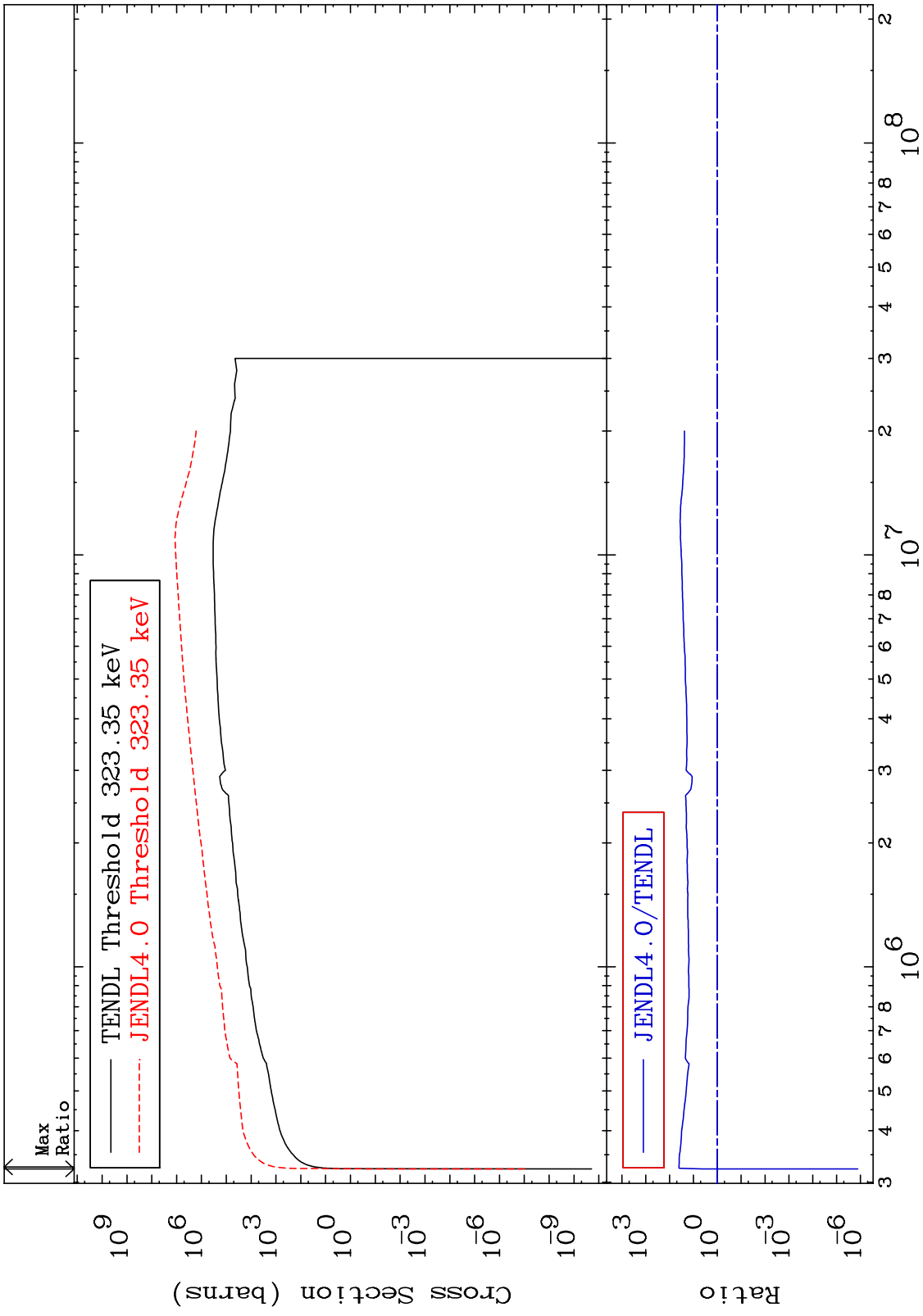
Incident Energy (eV)

31-Ga-69



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

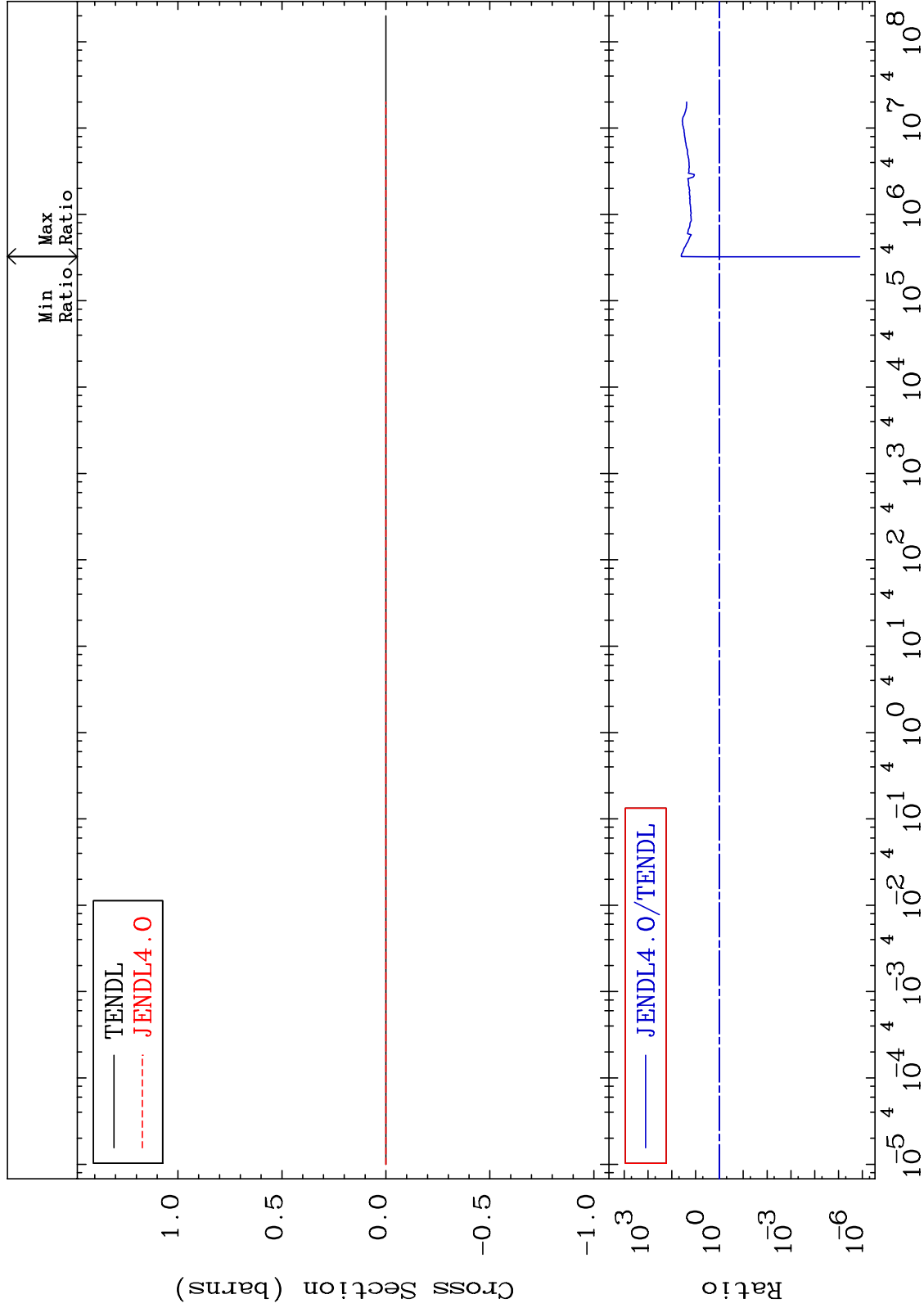




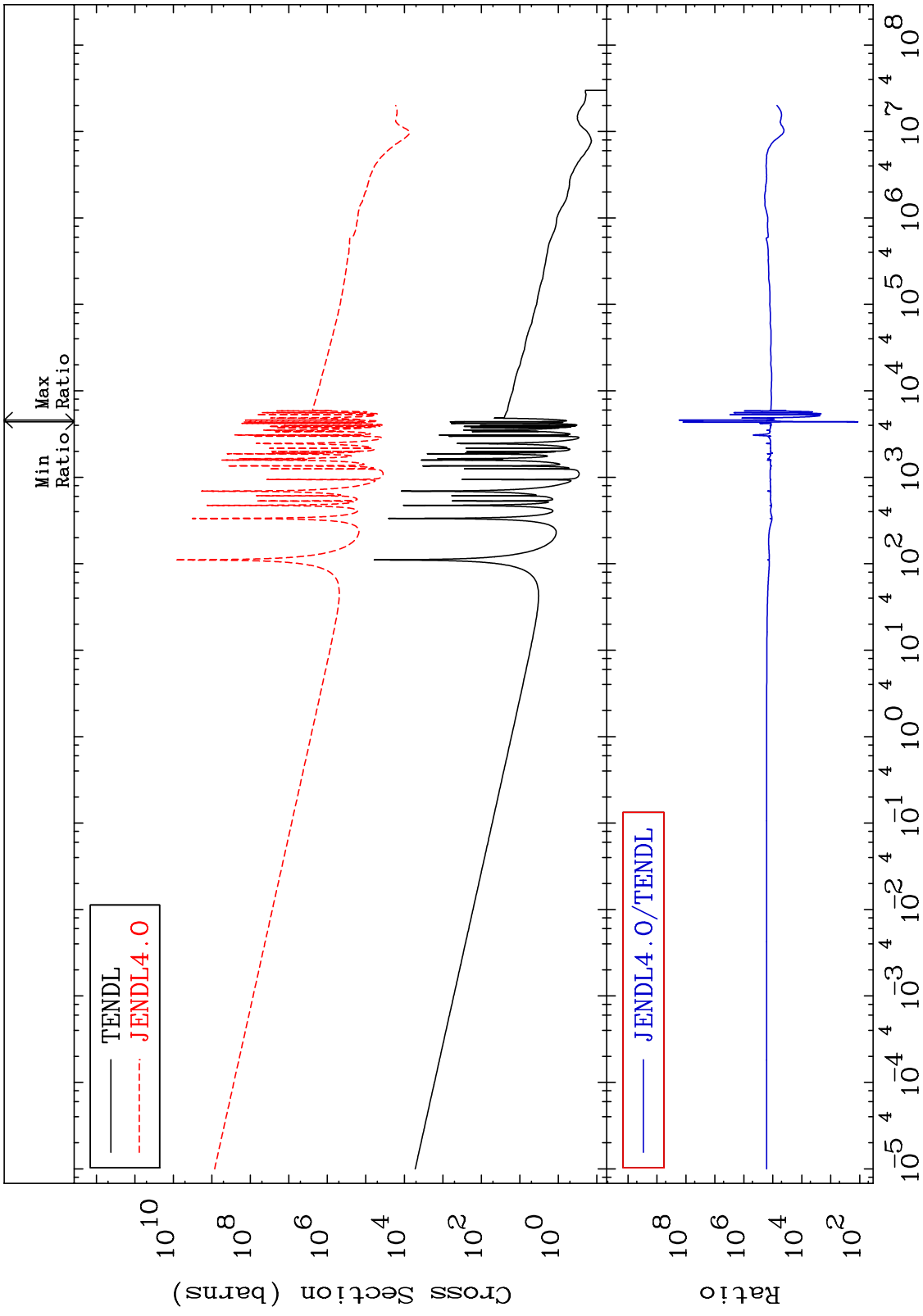
MAT 3125

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

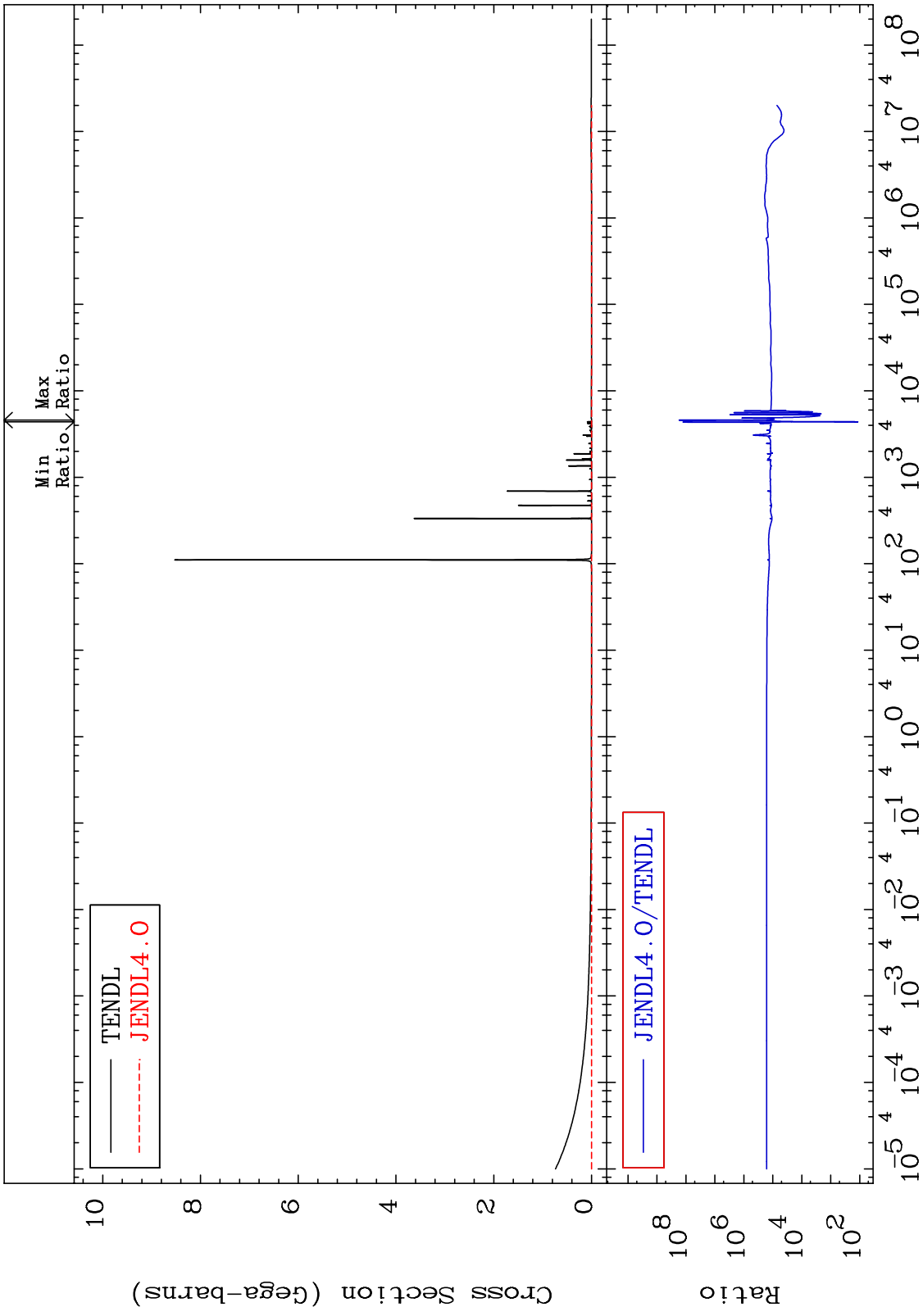
31-Ga-69  
-100.0 To 3909. %



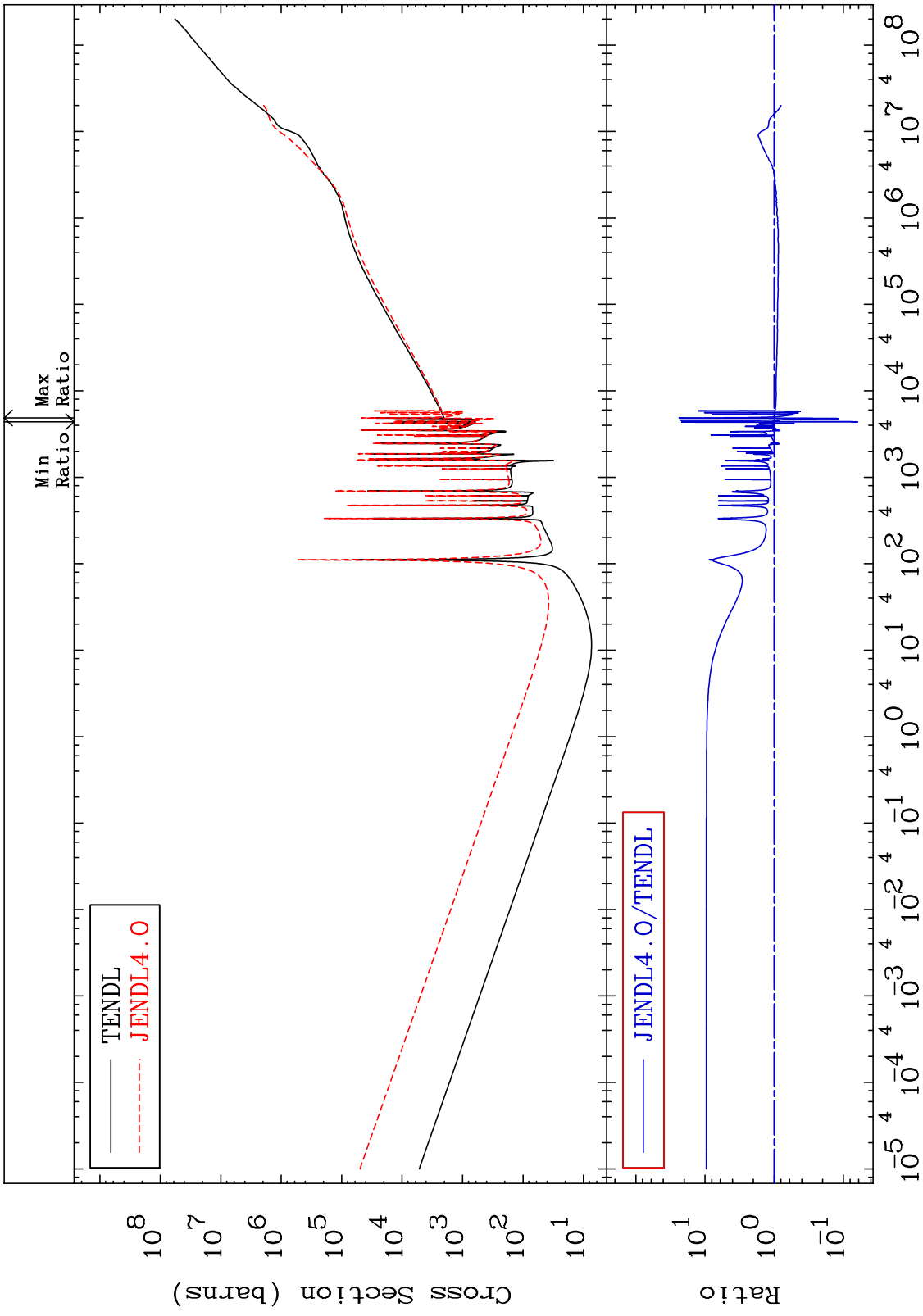
MAT 3125 Kerma capture (mt102) 31-Ga-69 9999. To 9999. %



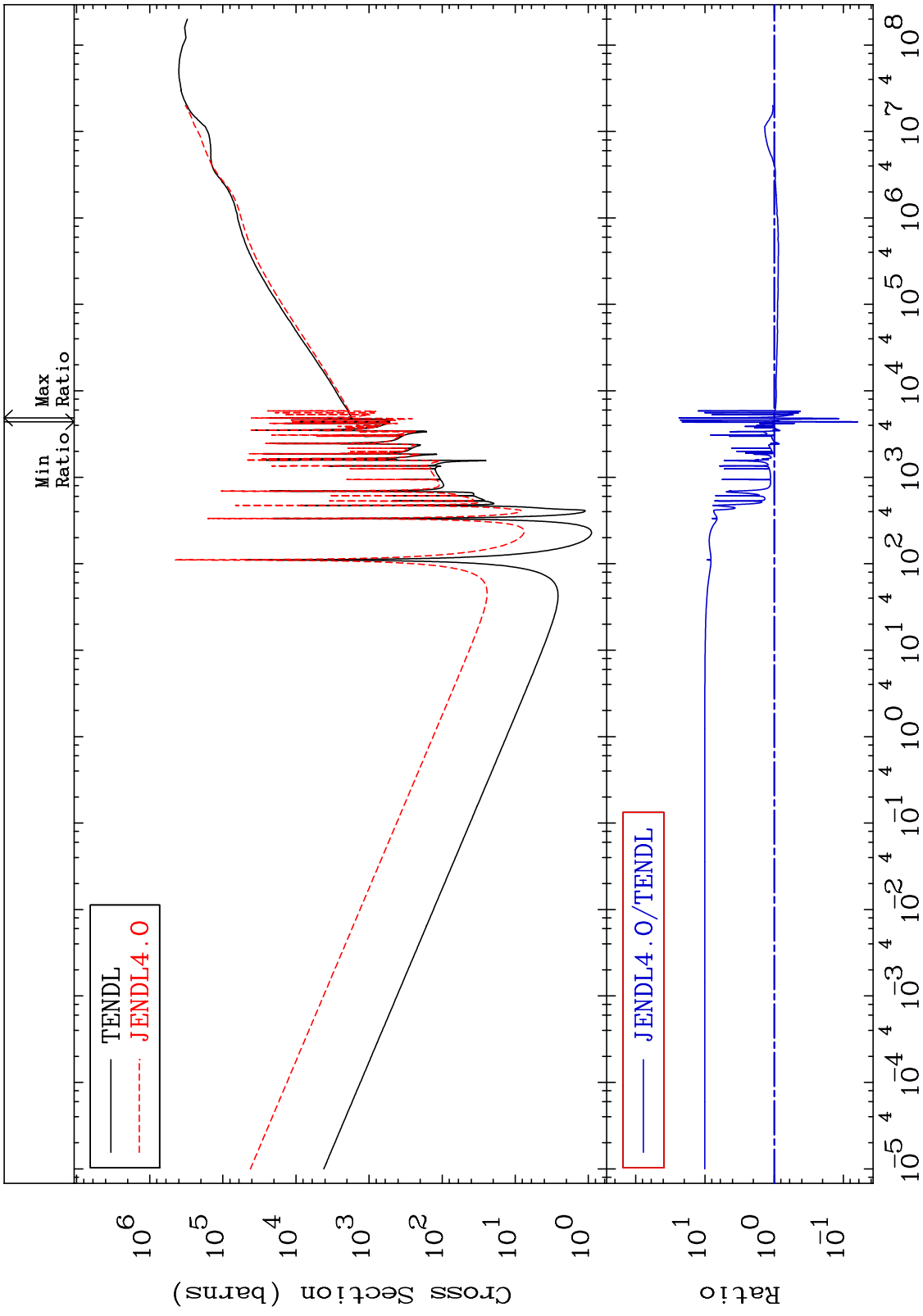
MAT 3125 Total photon (eV-barns) Cross Section 31-Ga-69 9999. To 9999. %



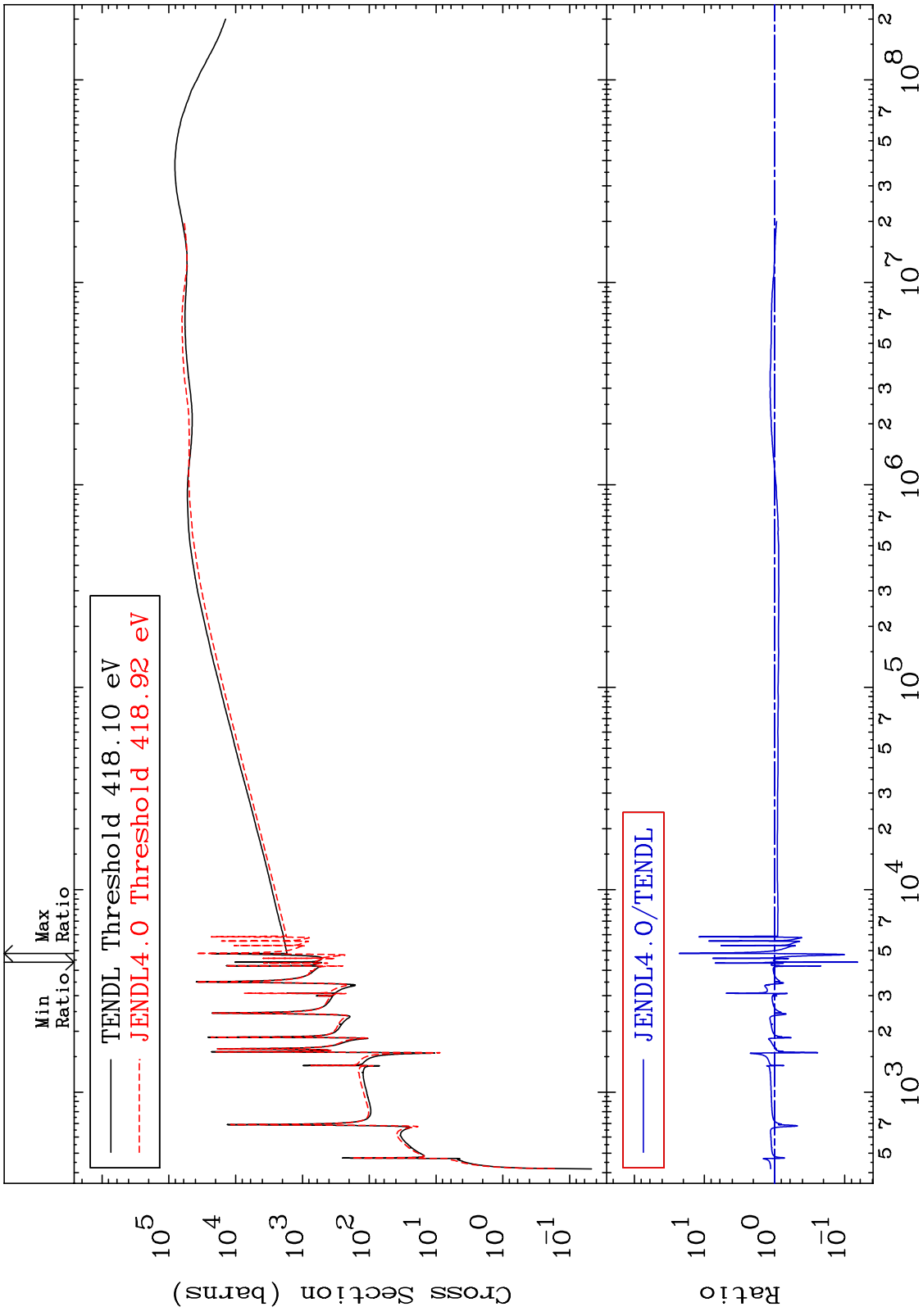
MAT 3125      Total kinematic kerma (high limit)      31-Ga-69  
 Cross Section      -93.82 To 2272. %



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



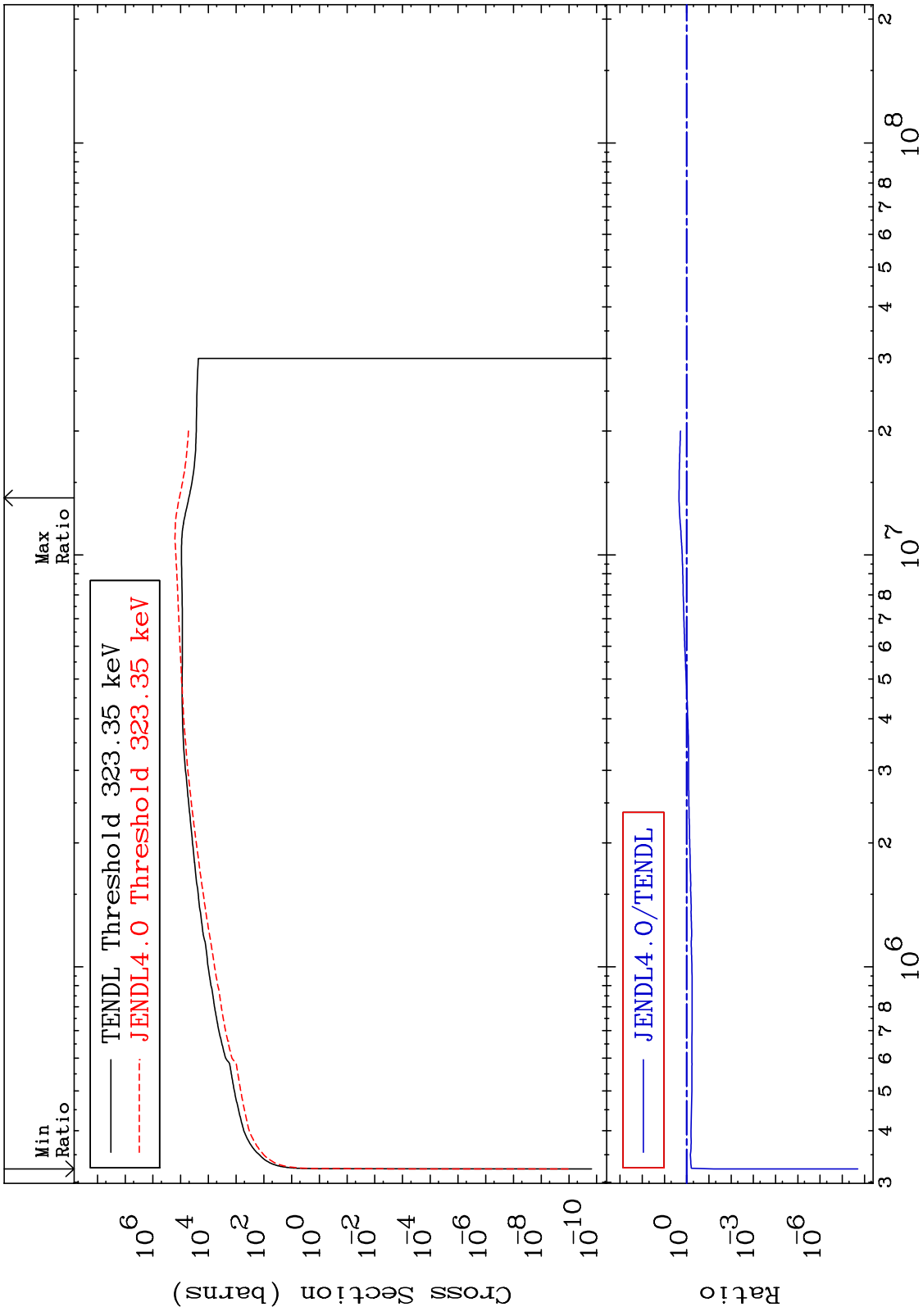
MAT 3125 31-Ga-69 -93.53 To 2200. %  
 Dpa elastic (mt2) Cross Section



55 31-Ga-69



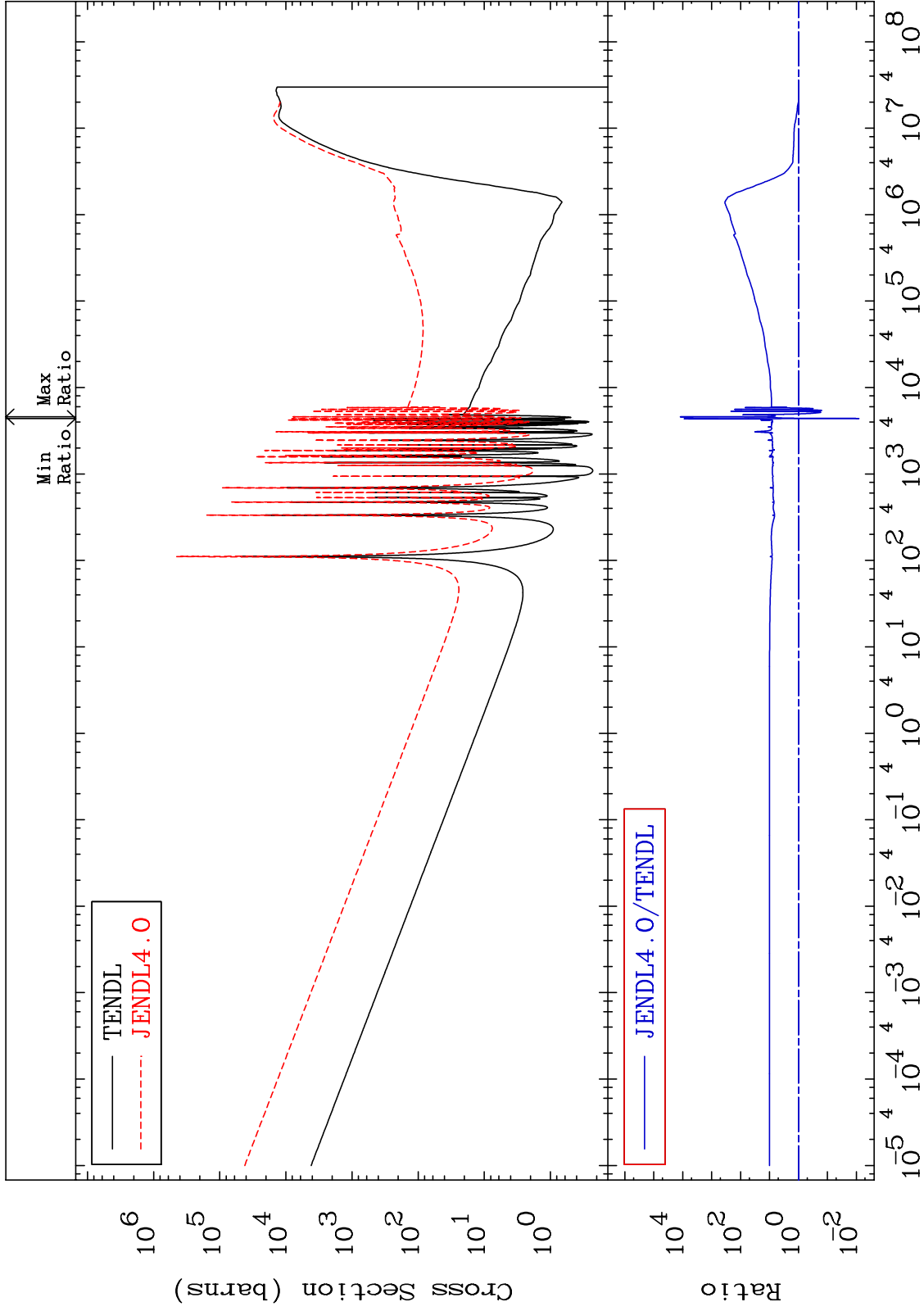
MAT 3125      Dpa inelastic (mt51-91)      31-Ga-69  
 Cross Section      -100.0 To 121.1 %



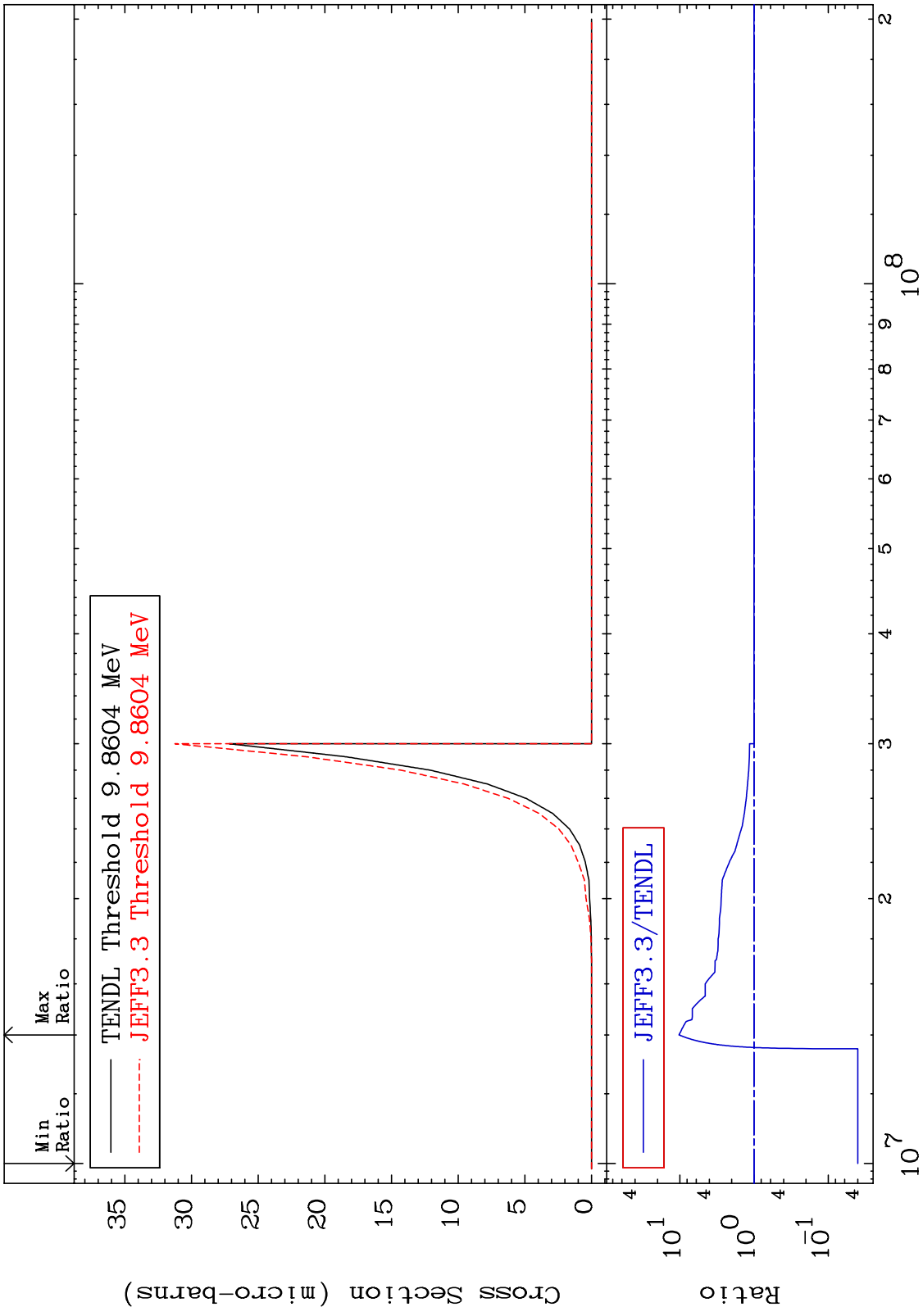
MAT 3125

Dpa disappearance (mt102 -120)  
Cross Section

31-Ga-69  
-99.18 To 9999. %



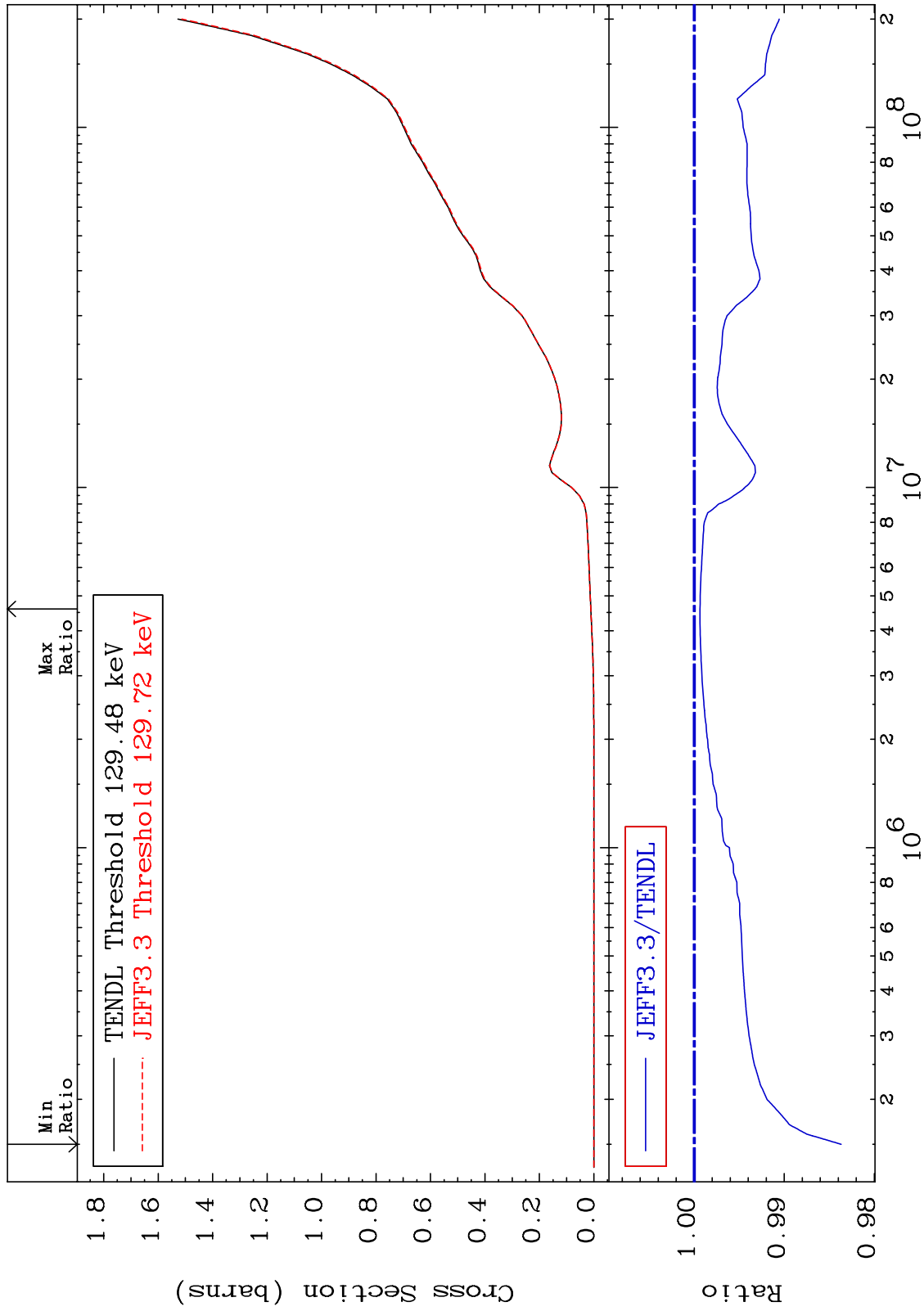
MAT 3125  $(n,d) \alpha$  31-Ga-69  
 Cross Section -96.00 To 923.8 %



MAT 3125

Hydrogen Production  
Cross Section

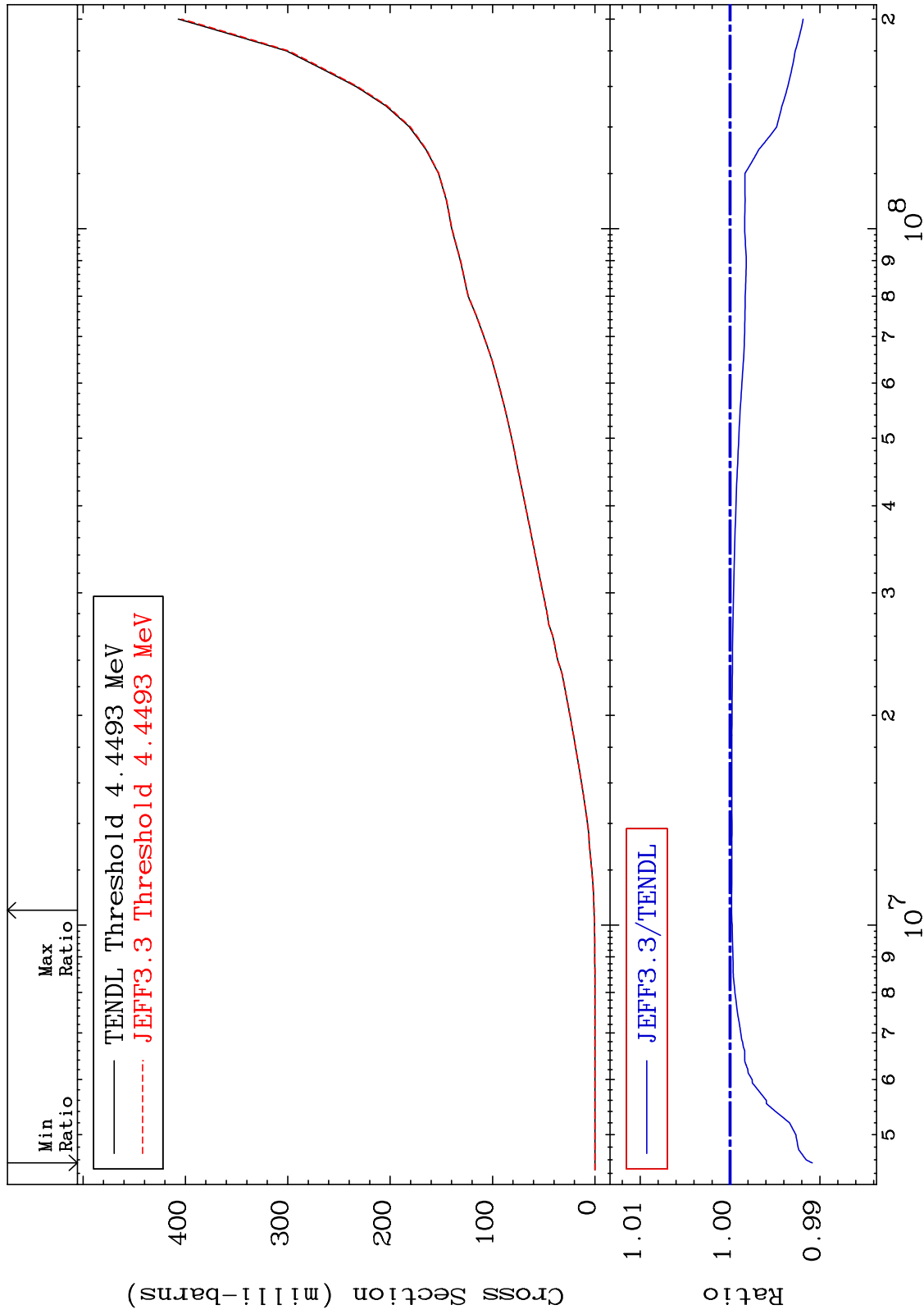
<sup>31</sup>Ga-69  
-1.631 To -0.064%



MAT 3125

Deuterium Production  
Cross Section

<sup>31</sup>Ga-69  
-0.915 To -0.017%



60

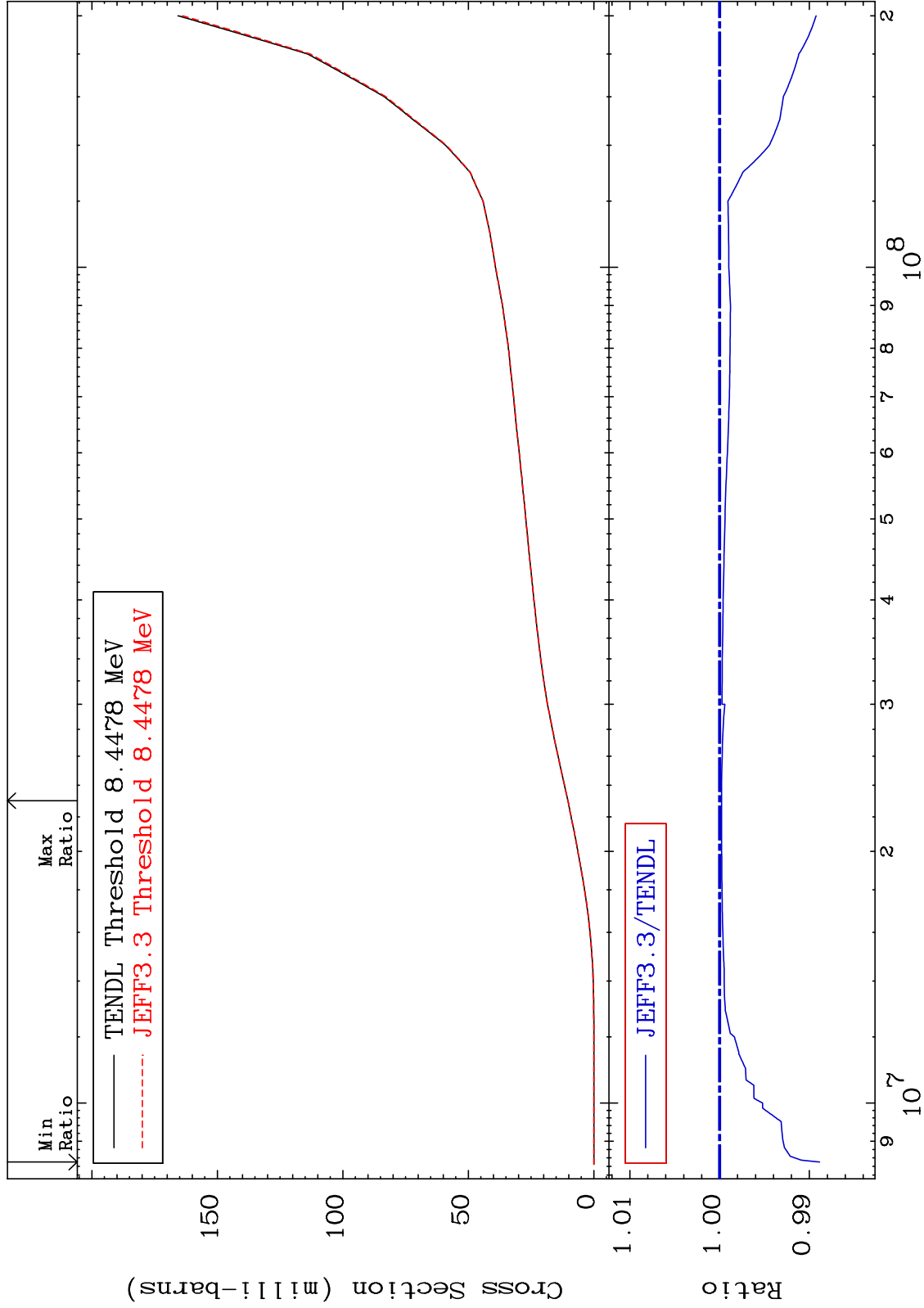
Incident Energy (eV)

<sup>31</sup>Ga-69

MAT 3125

Tritium Production  
Cross Section

31-Ga-69  
-1.113 To -0.021%



61

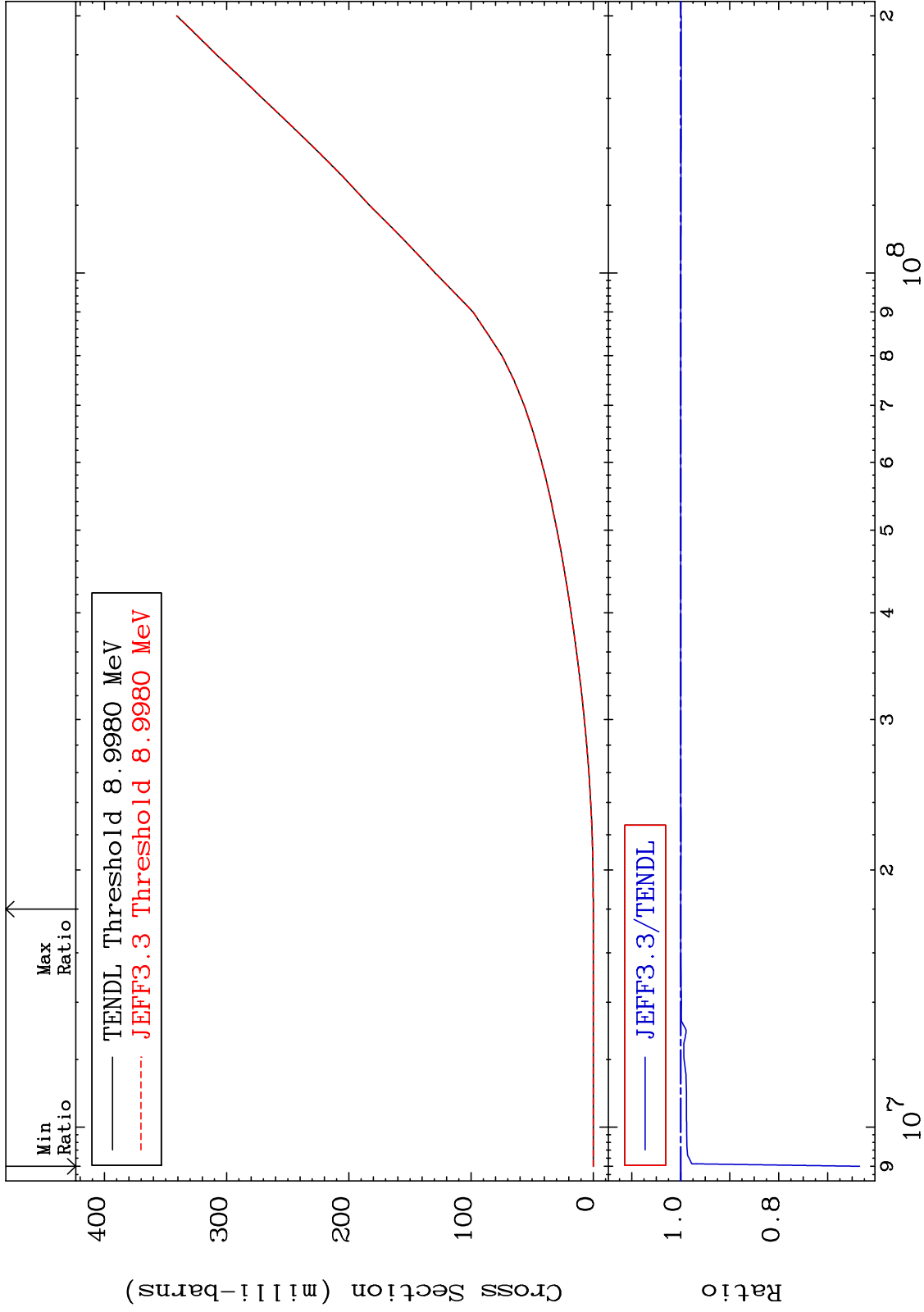
Incident Energy (eV)

31-Ga-69

MAT 3125

He-3 Production  
Cross Section

31-Ga-69  
-36.54 To -0.014%



62

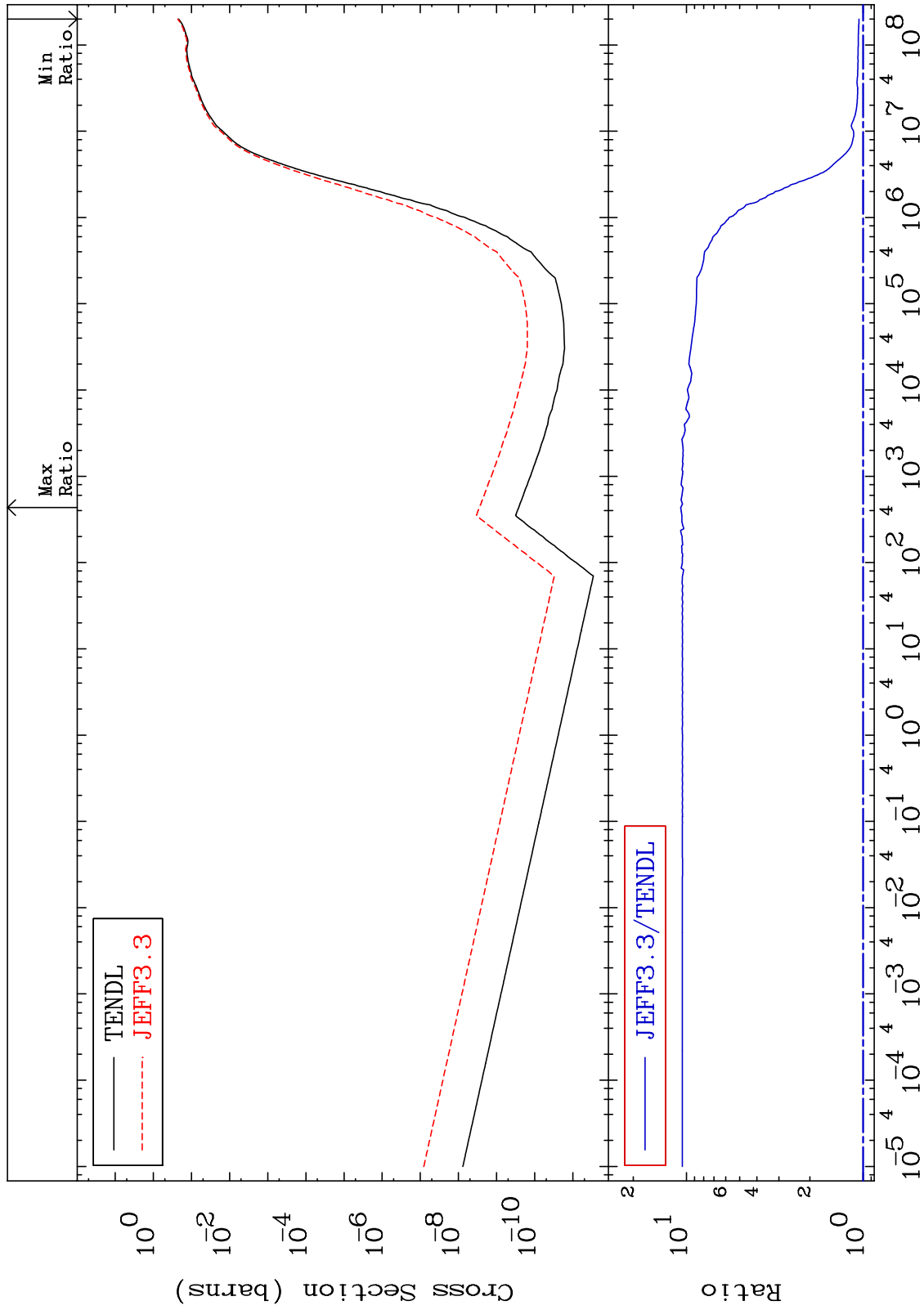
Incident Energy (eV)

31-Ga-69

MAT 3125

He-4 Production  
Cross Section

31-Ga-69  
To 979.7 %



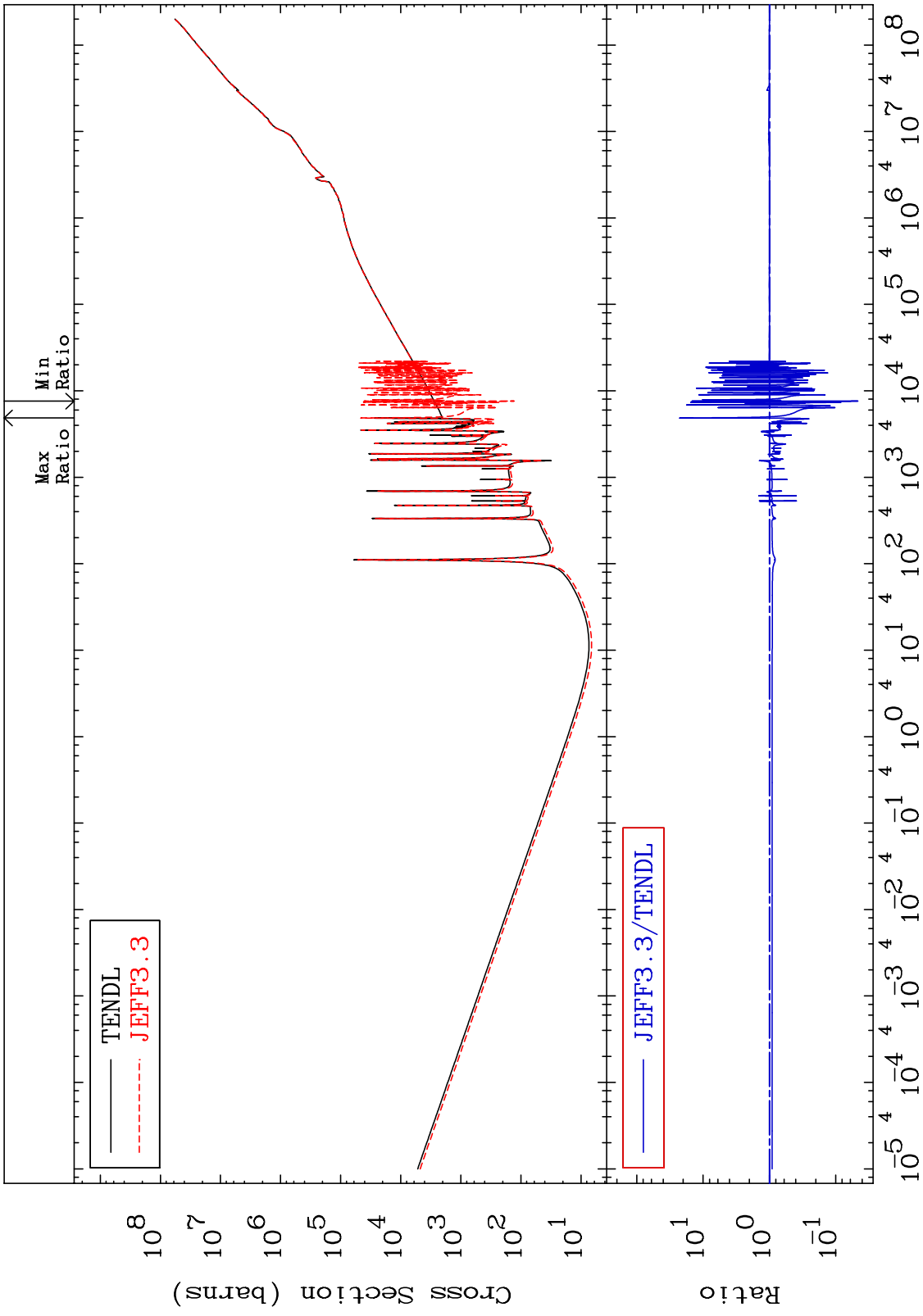
63

Incident Energy (eV)

31-Ga-69



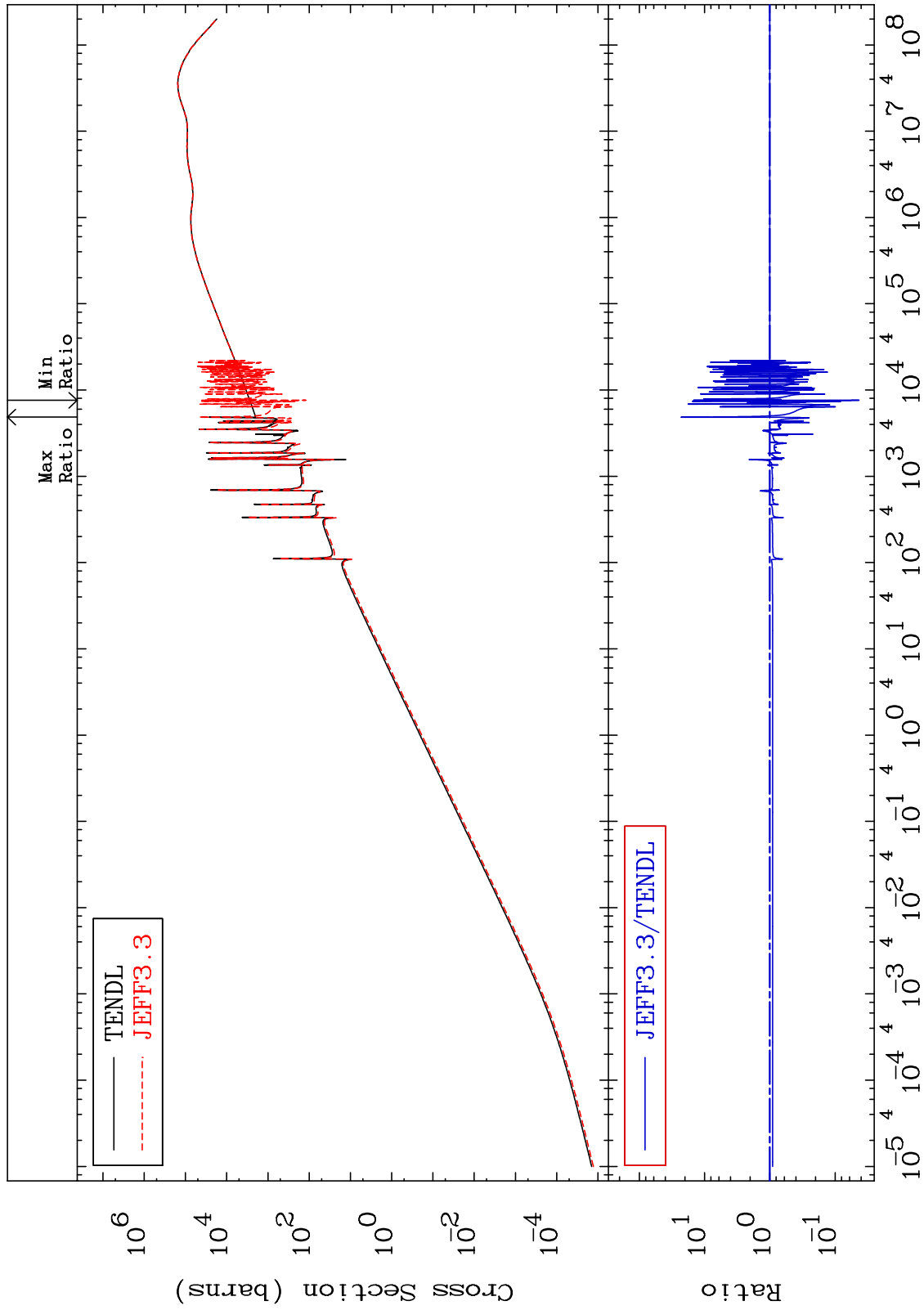
MAT 3125      Kerma total (eV-barns)      31-Ga-69  
 Cross Section      -95.36 To 2203. %



MAT 3125

Kerma elastic  
Cross Section

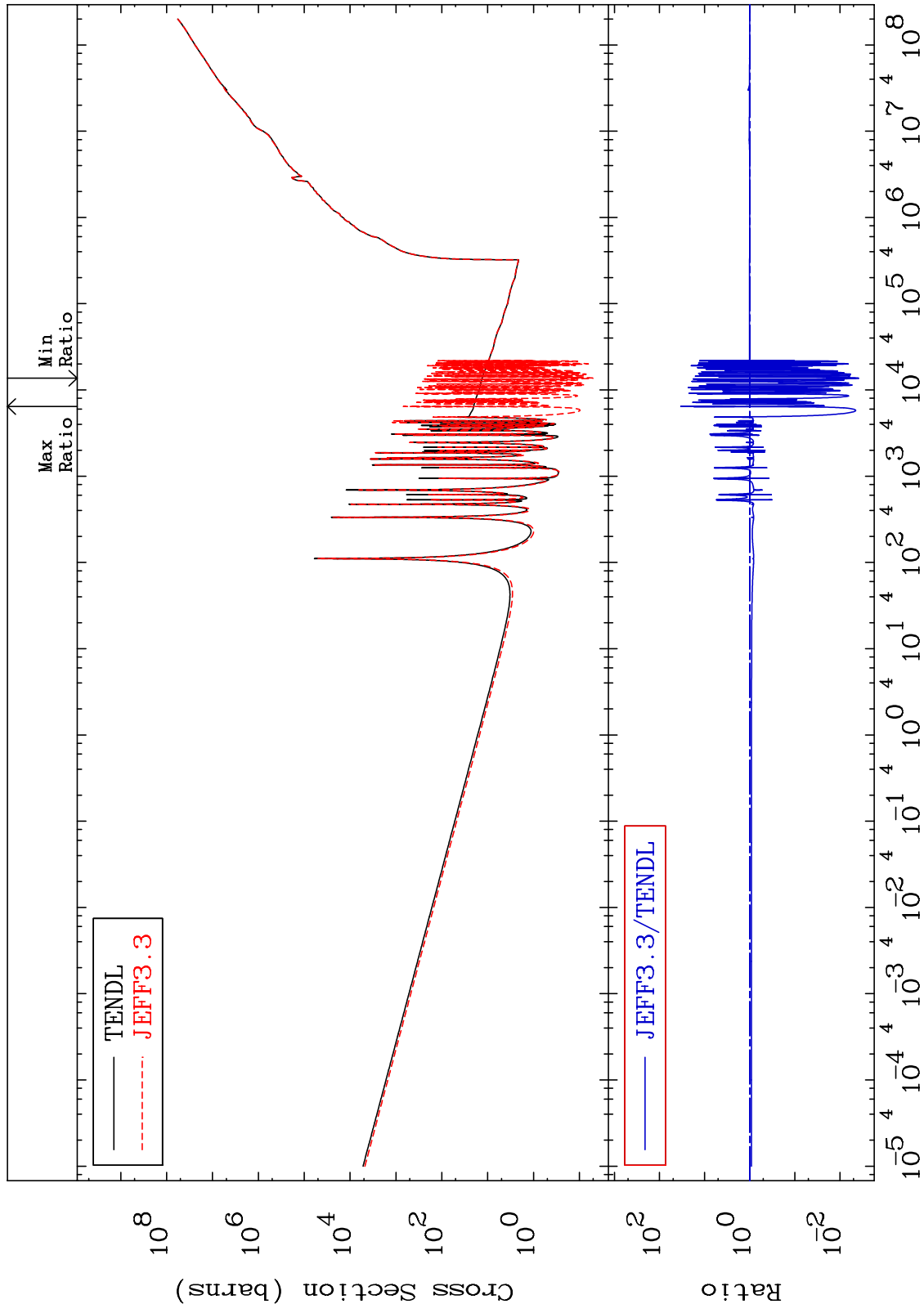
31-Ga-69  
-95.69 To 2225. %



MAT 3125

Kerma non-elastic (all but mt2)  
Cross Section

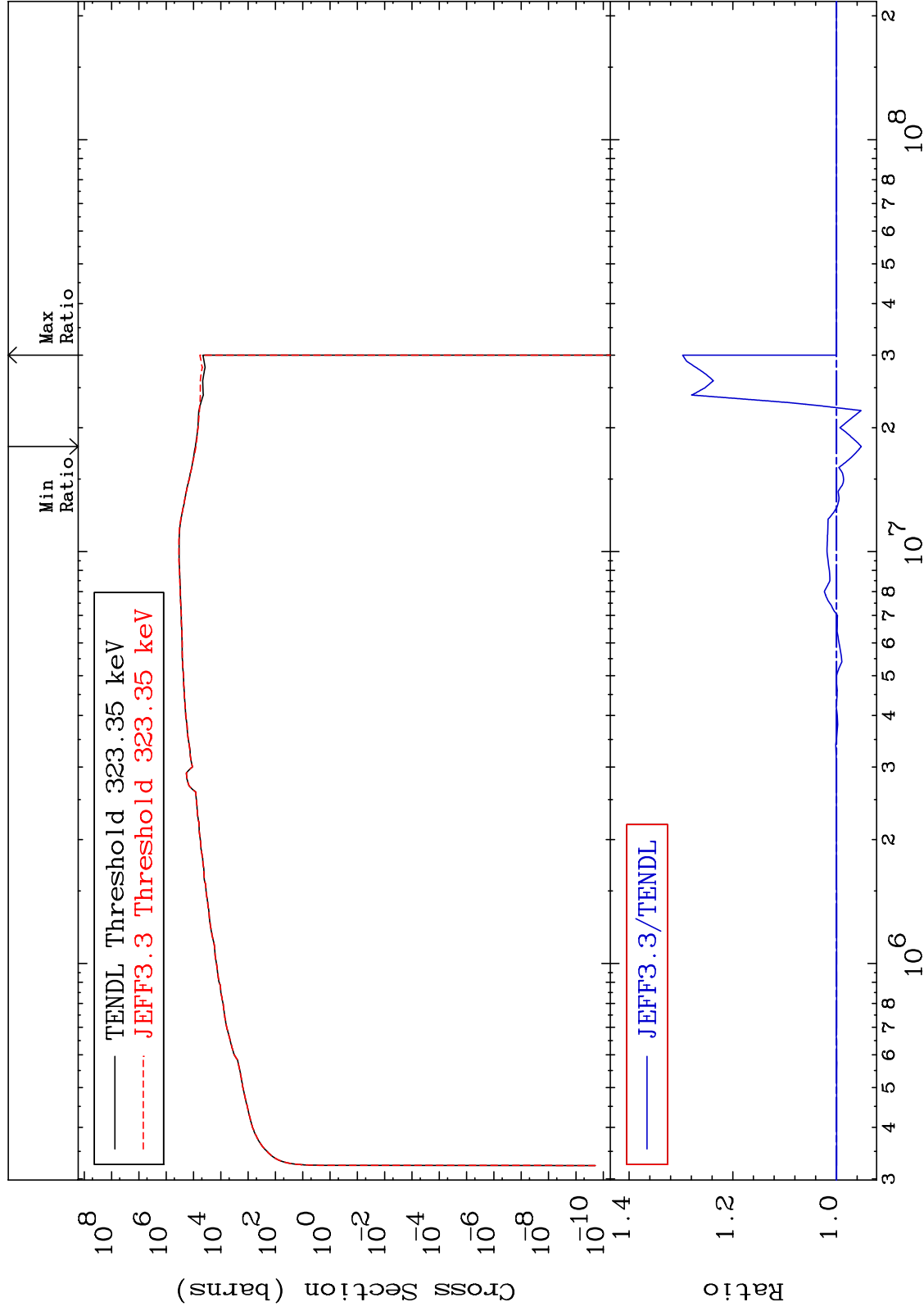
31-Ga-69  
-99.62 To 3299. %



MAT 3125

Kerma inelastic (mt51-91)  
Cross Section

31-Ga-69  
-4.797 To 29.66 %



67

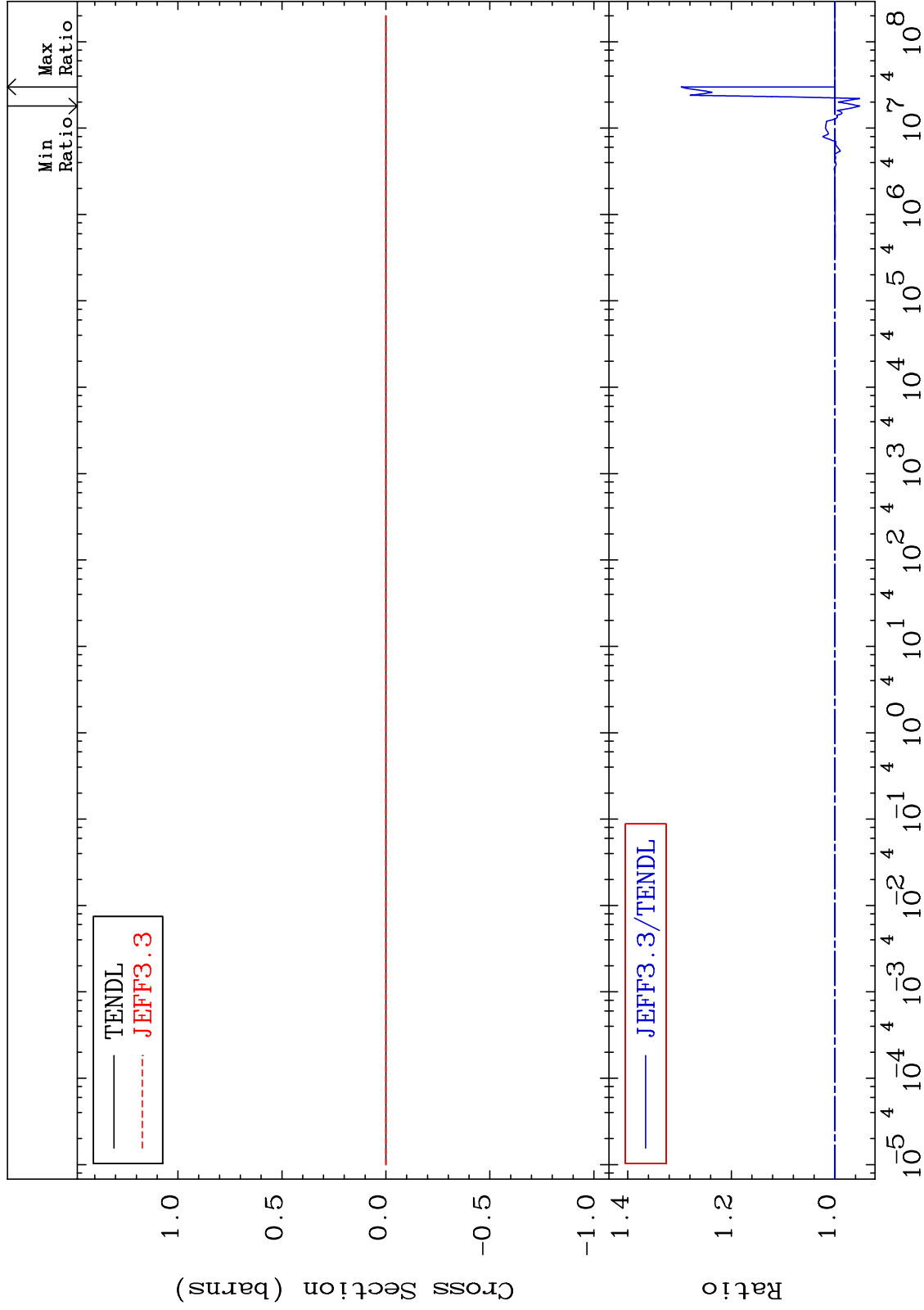
Incident Energy (eV)

31-Ga-69

MAT 3125

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

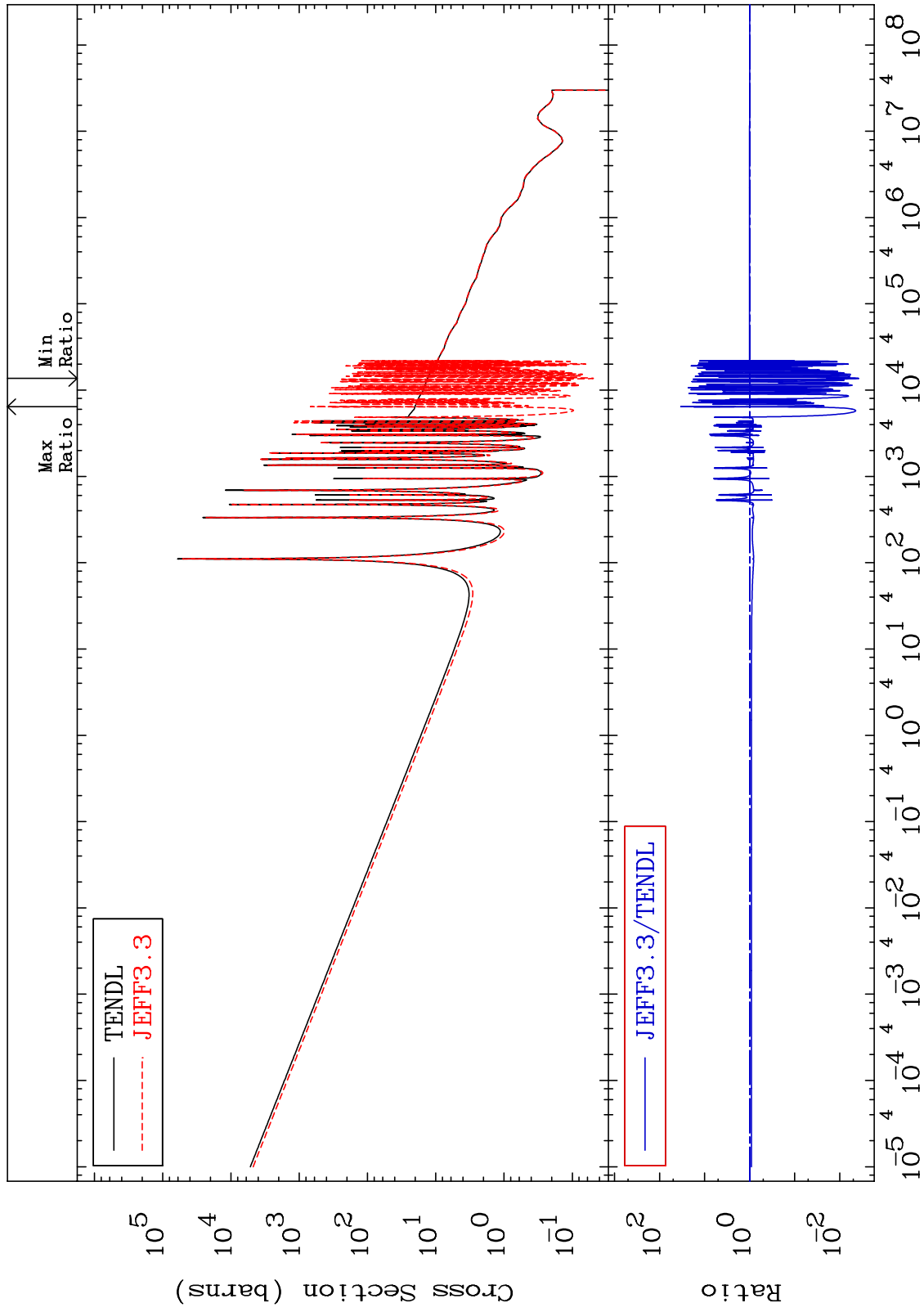
31-Ga-69  
-4.797 To 29.66 %



MAT 3125

Kerma capture (mt102)  
Cross Section

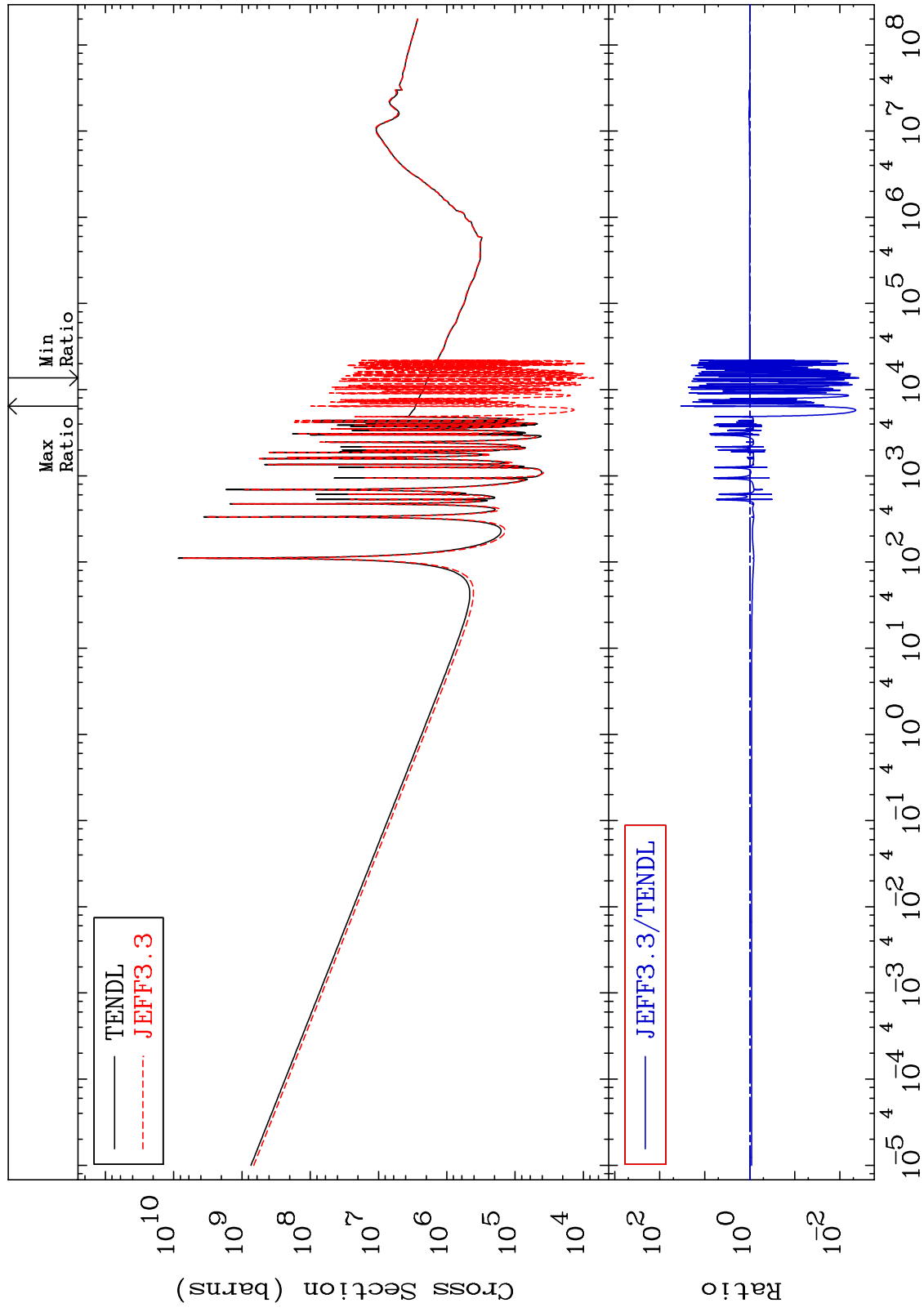
31-Ga-69  
-99.63 To 3299. %



MAT 3125

Total photon (eV-barns)  
Cross Section

31-Ga-69  
-99.63 To 3299. %

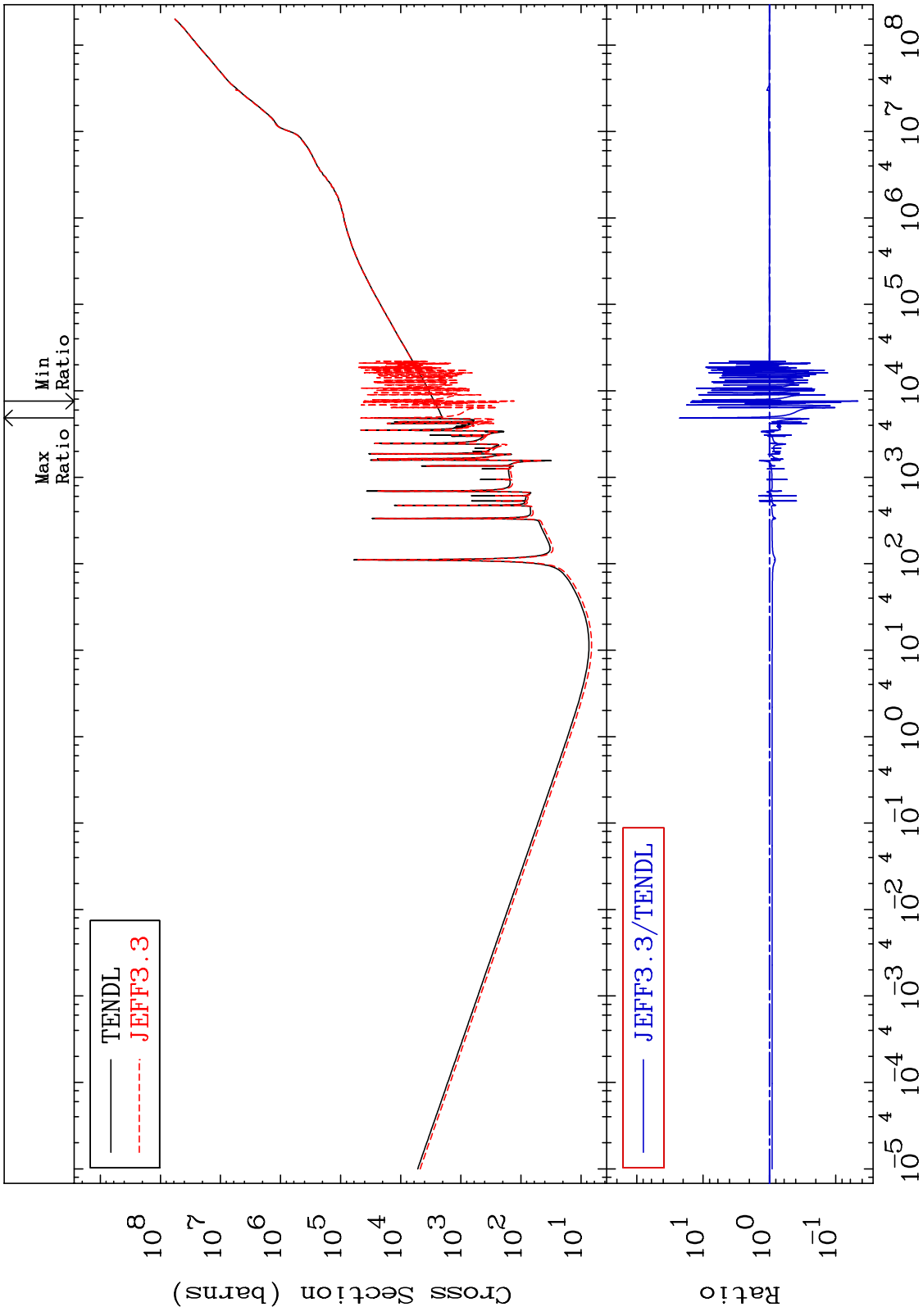


70

Incident Energy (eV)

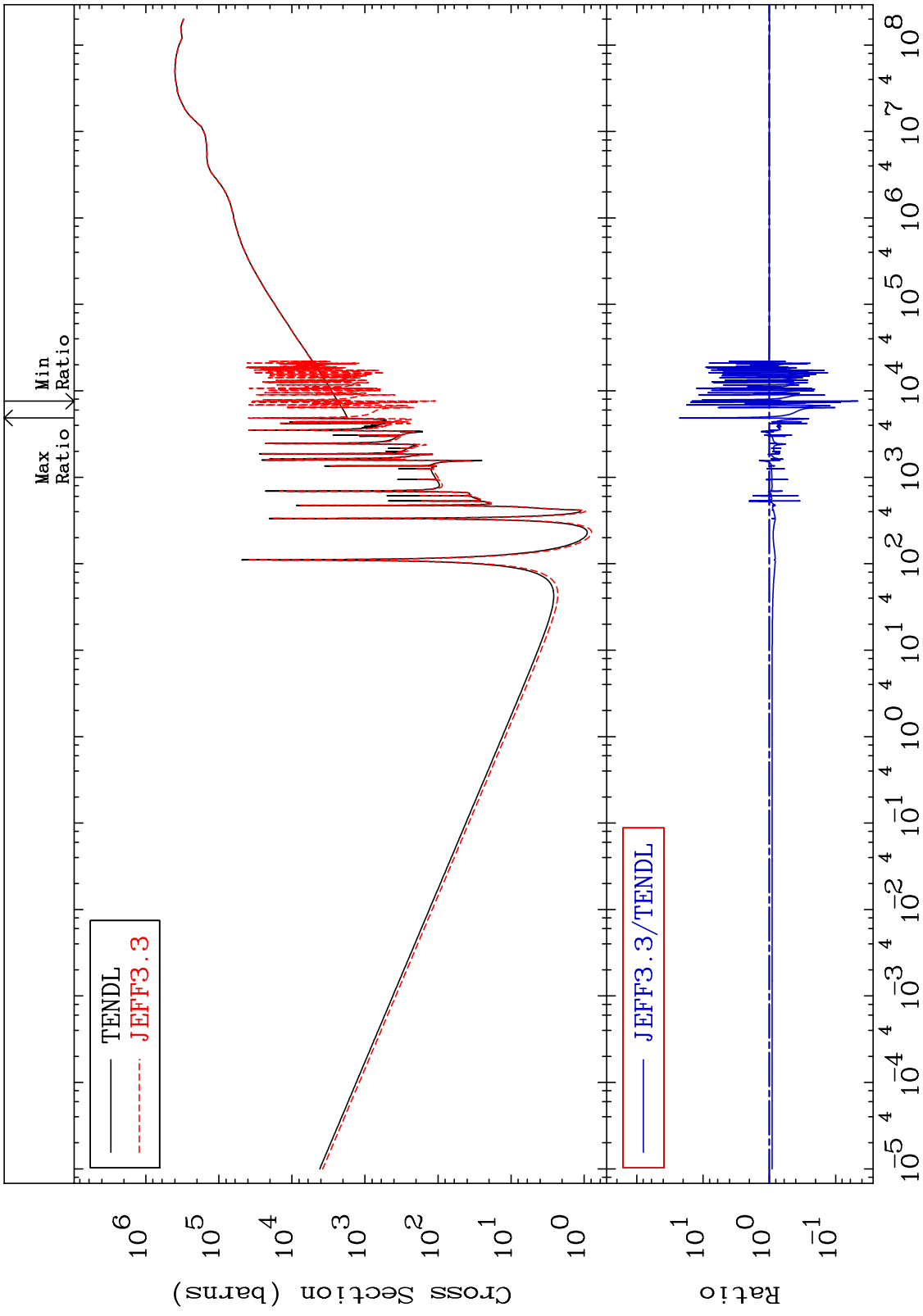
31-Ga-69

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





MAT 3125      Dpa total (eV-barns)      31-Ga-69  
 Cross Section      -95.38 To 2205. %

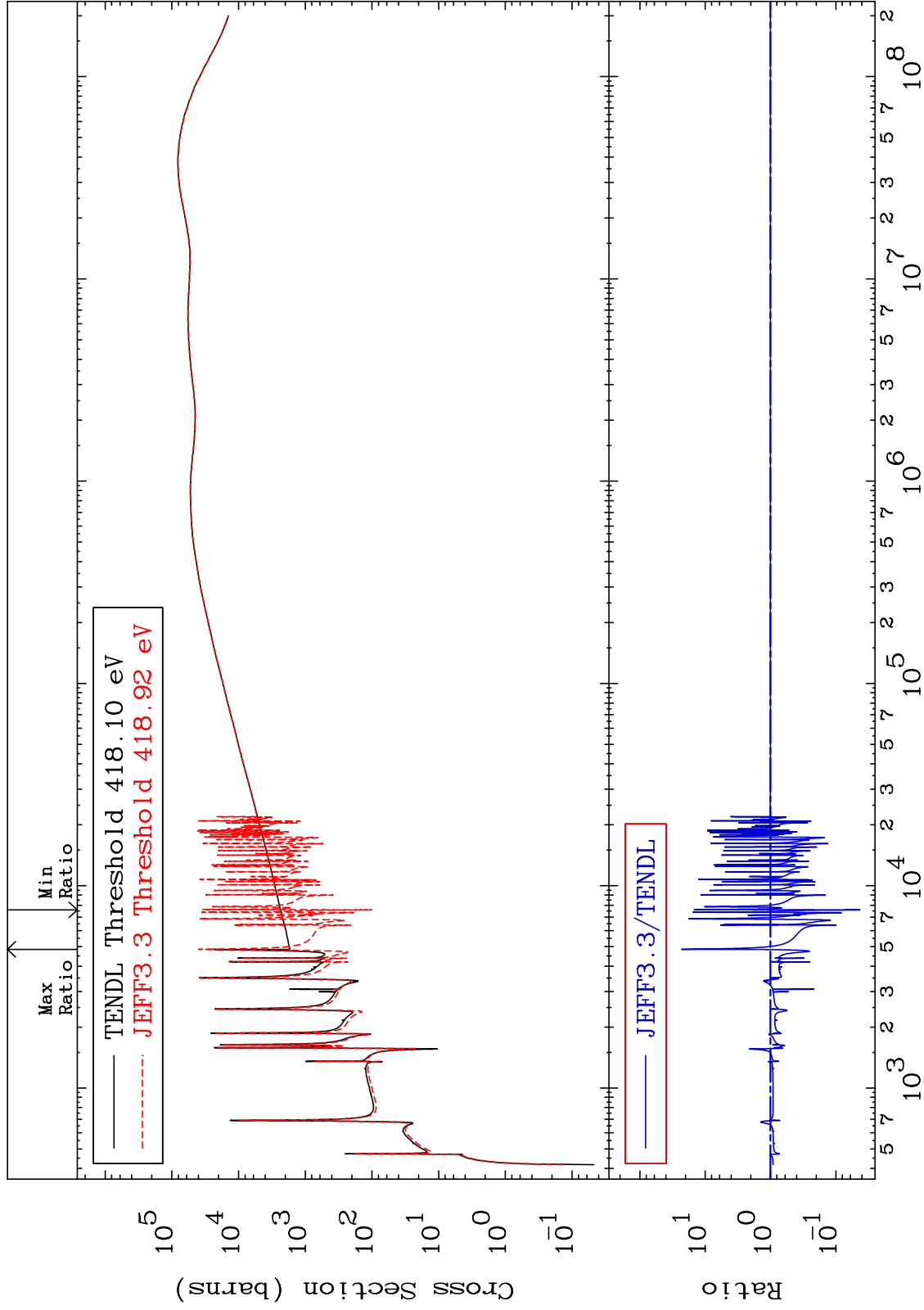


72      Incident Energy (eV)      31-Ga-69

MAT 3125

Dpa elastic (mt2)  
Cross Section

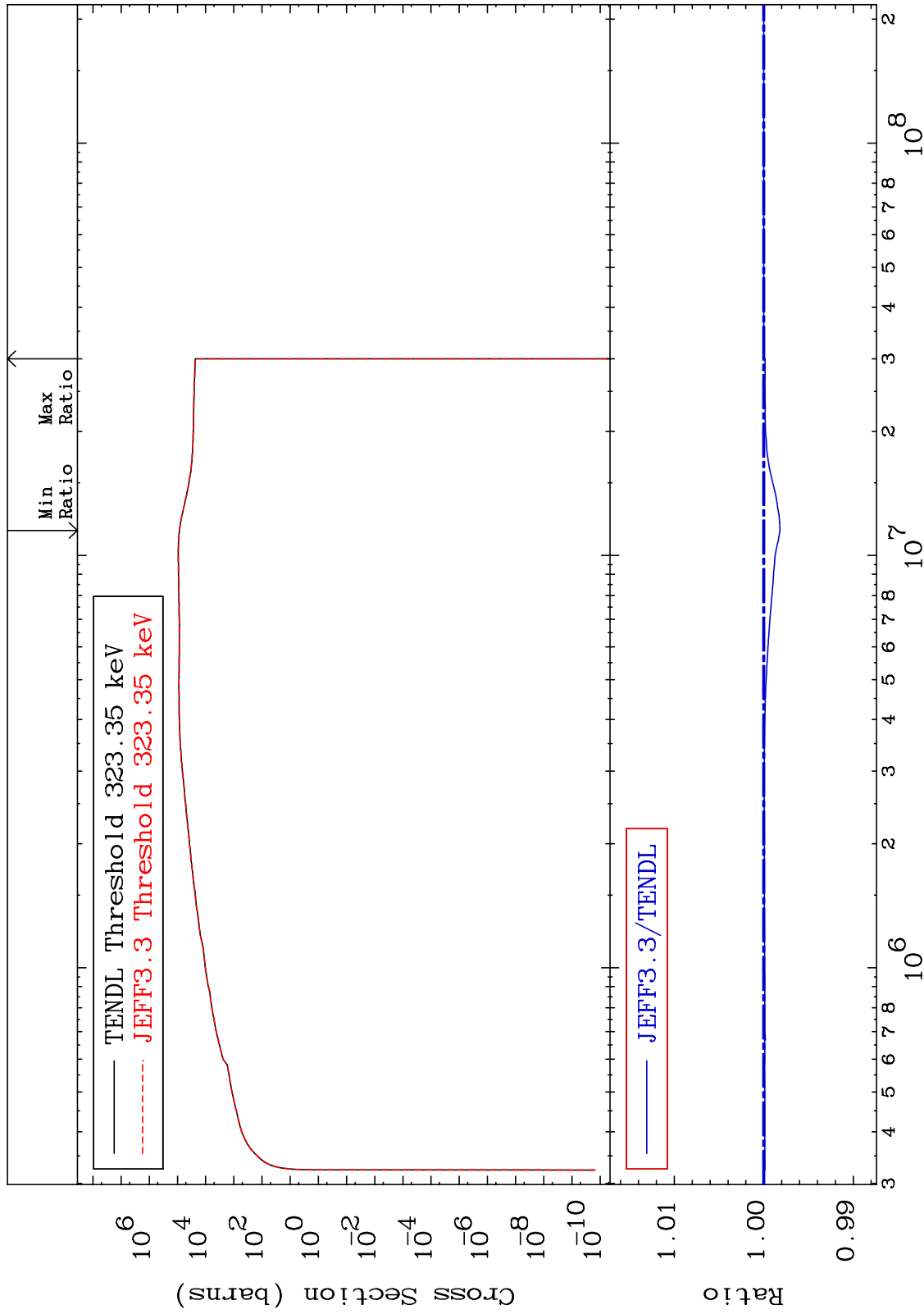
31-Ga-69  
-95.69 To 2225. %



MAT 3125

Dpa inelastic (mt51-91)  
Cross Section

31-Ga-69  
-0.181 To 0.000 %



74

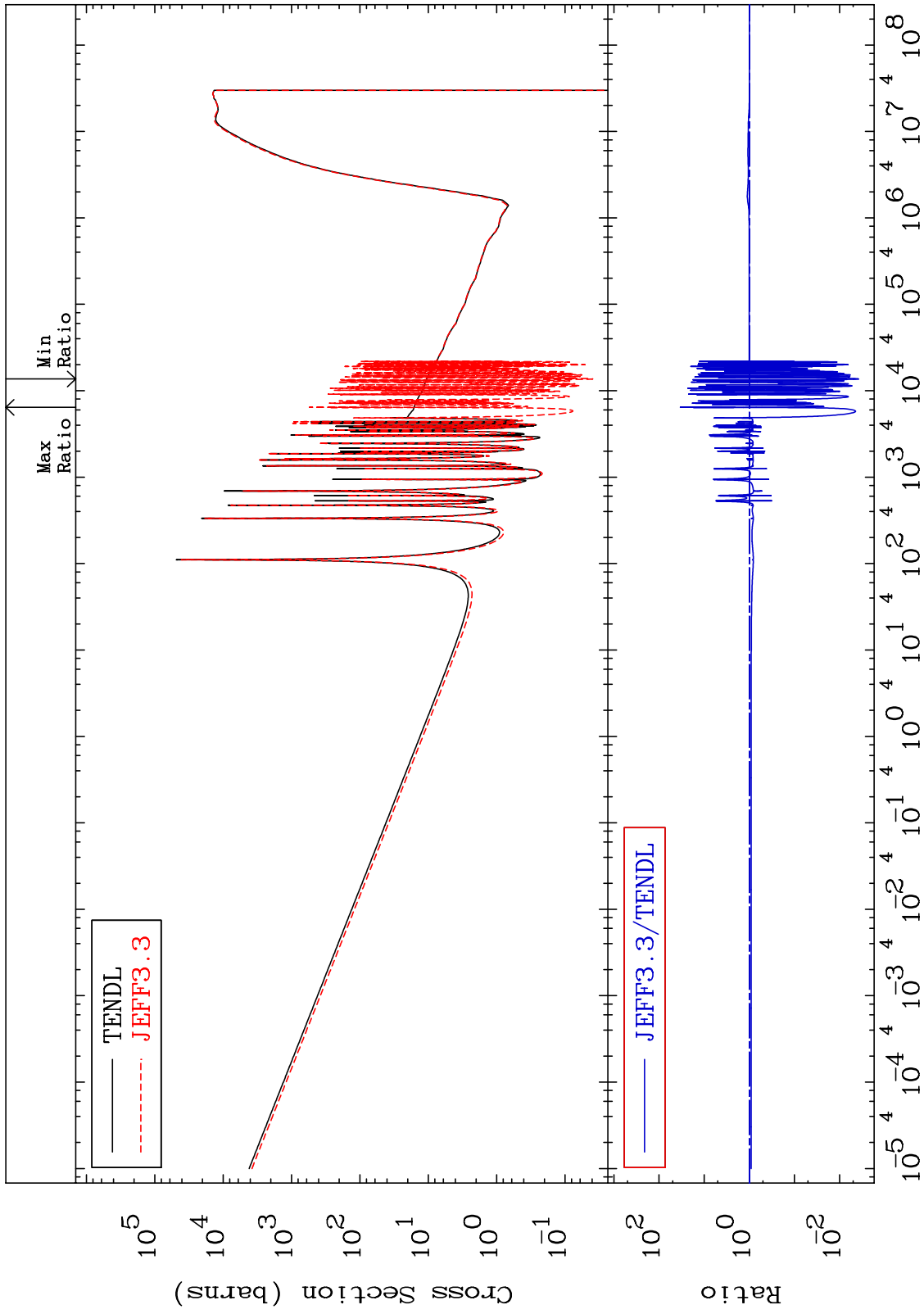
Incident Energy (eV)

31-Ga-69

MAT 3125

Dpa disappearance (mt102 -120)  
Cross Section

31-Ga-69  
-99.63 To 3299. %

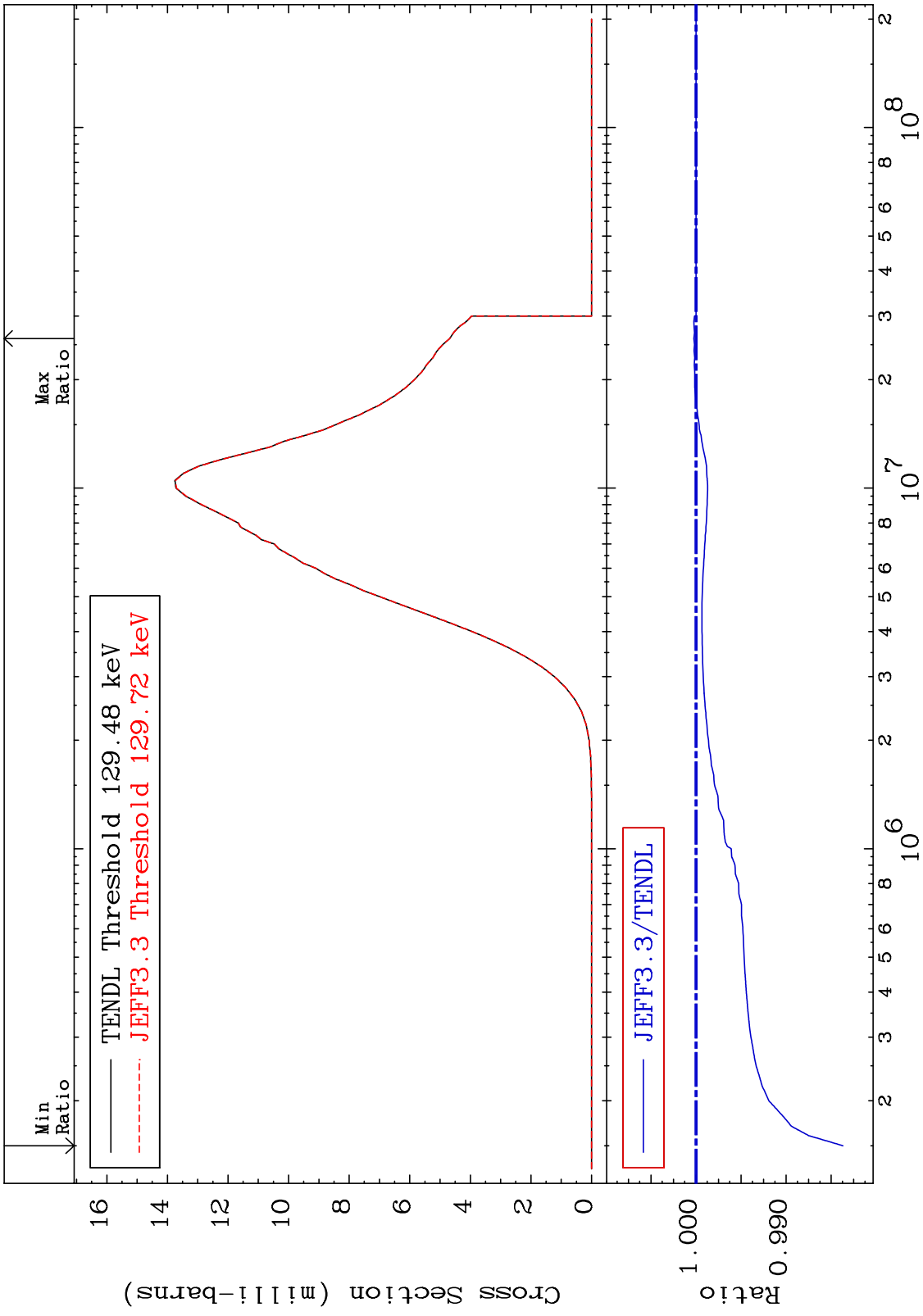


75

Incident Energy (eV)

31-Ga-69

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

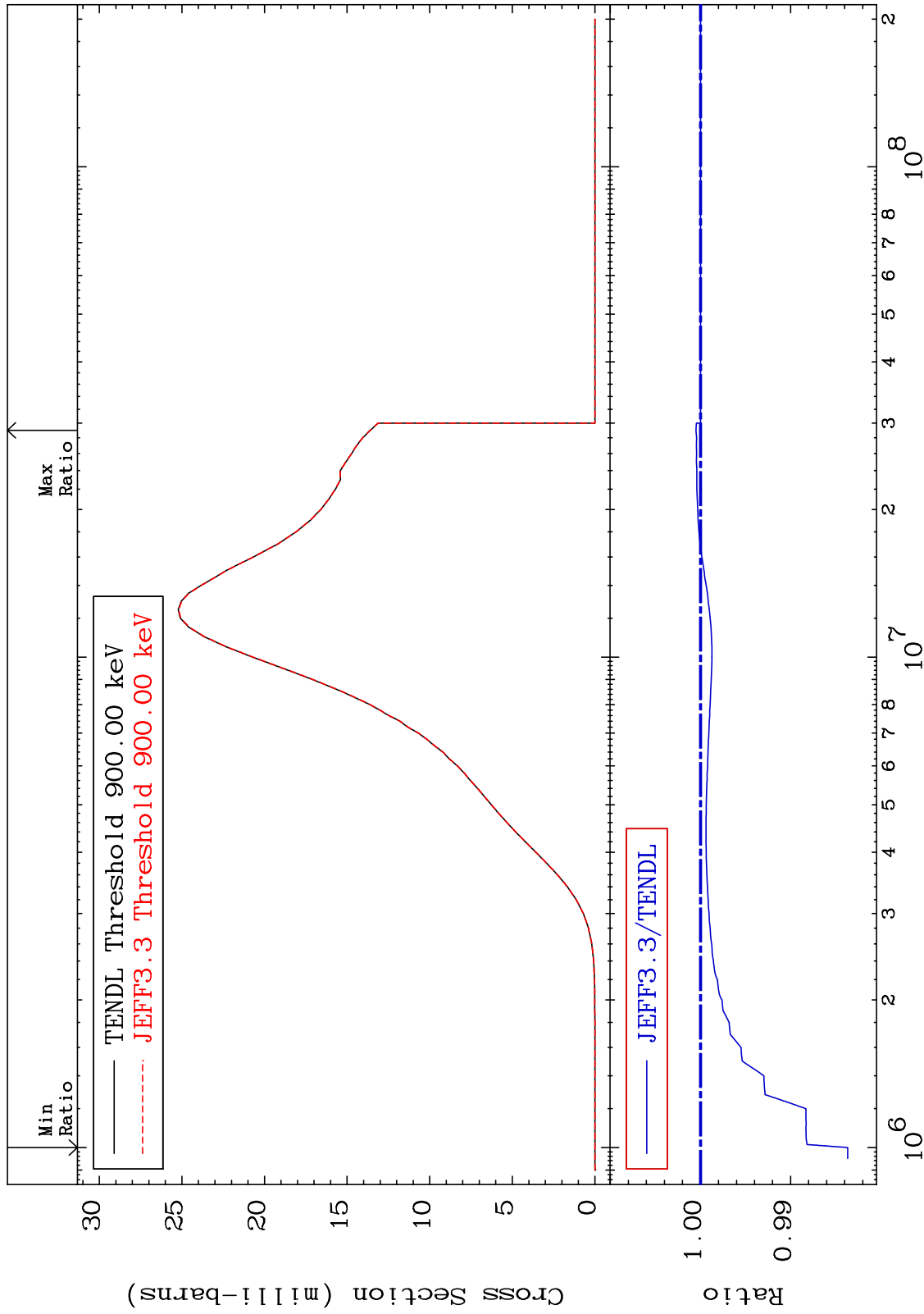


MAT 3125

(n,p):30-Zn-69m1

31-Ga-69

Radionuclide Production Cross Section -1.634 To 0.049 %

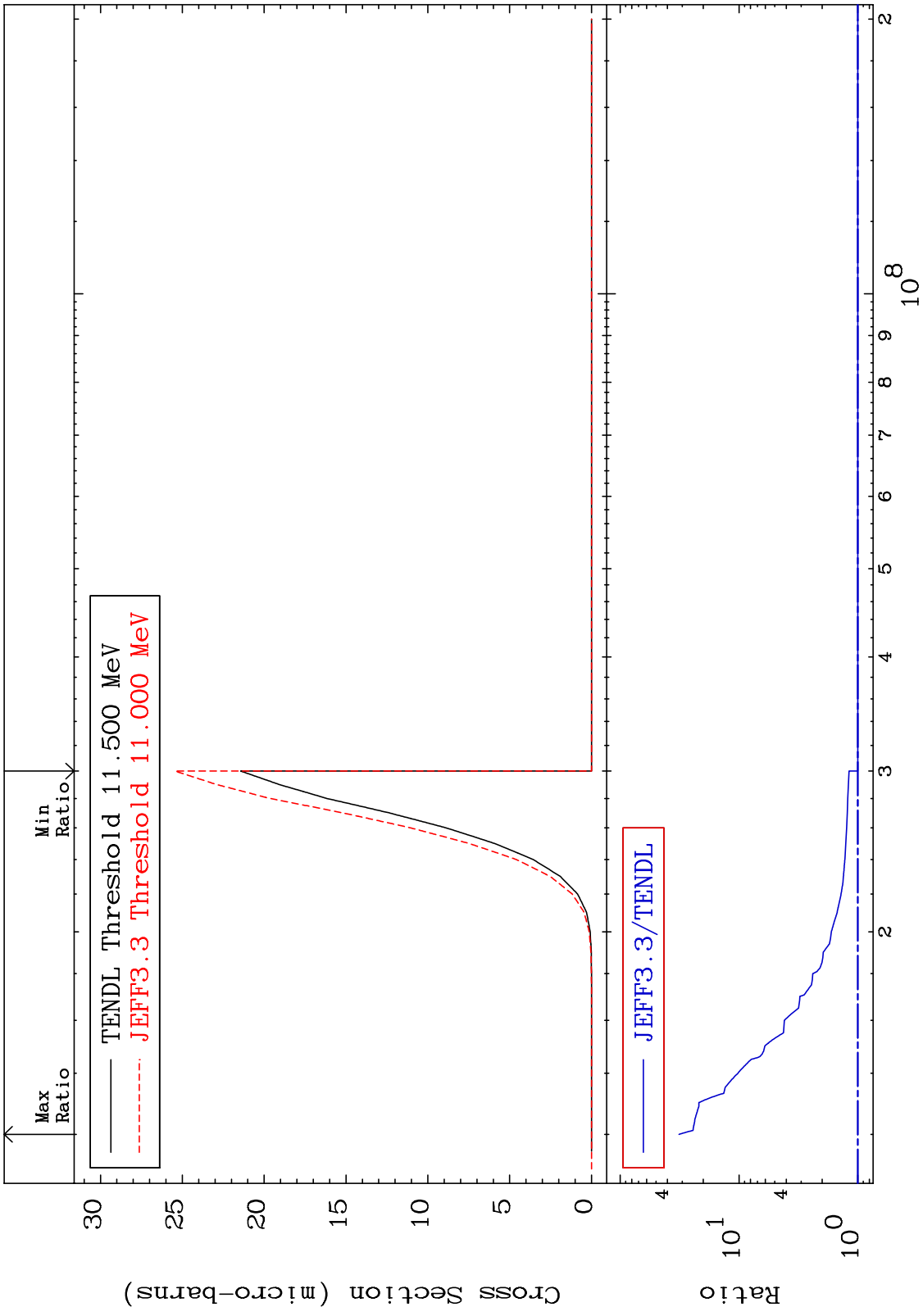


77

Incident Energy (eV)

31-Ga-69

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

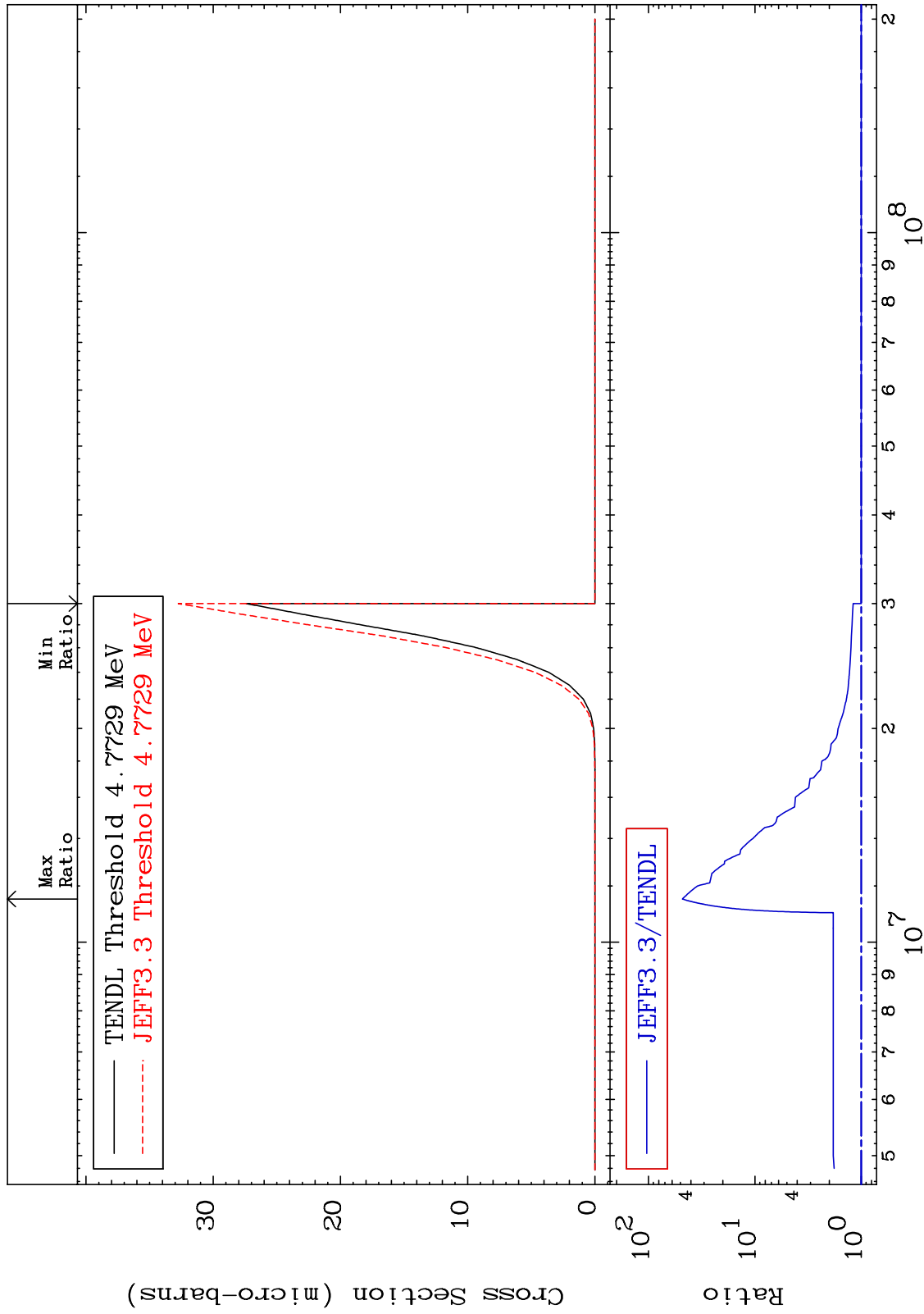


MAT 3125

(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 %

