

Program Complot  
(Version 2018-1)

by

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(Present Contact Information)

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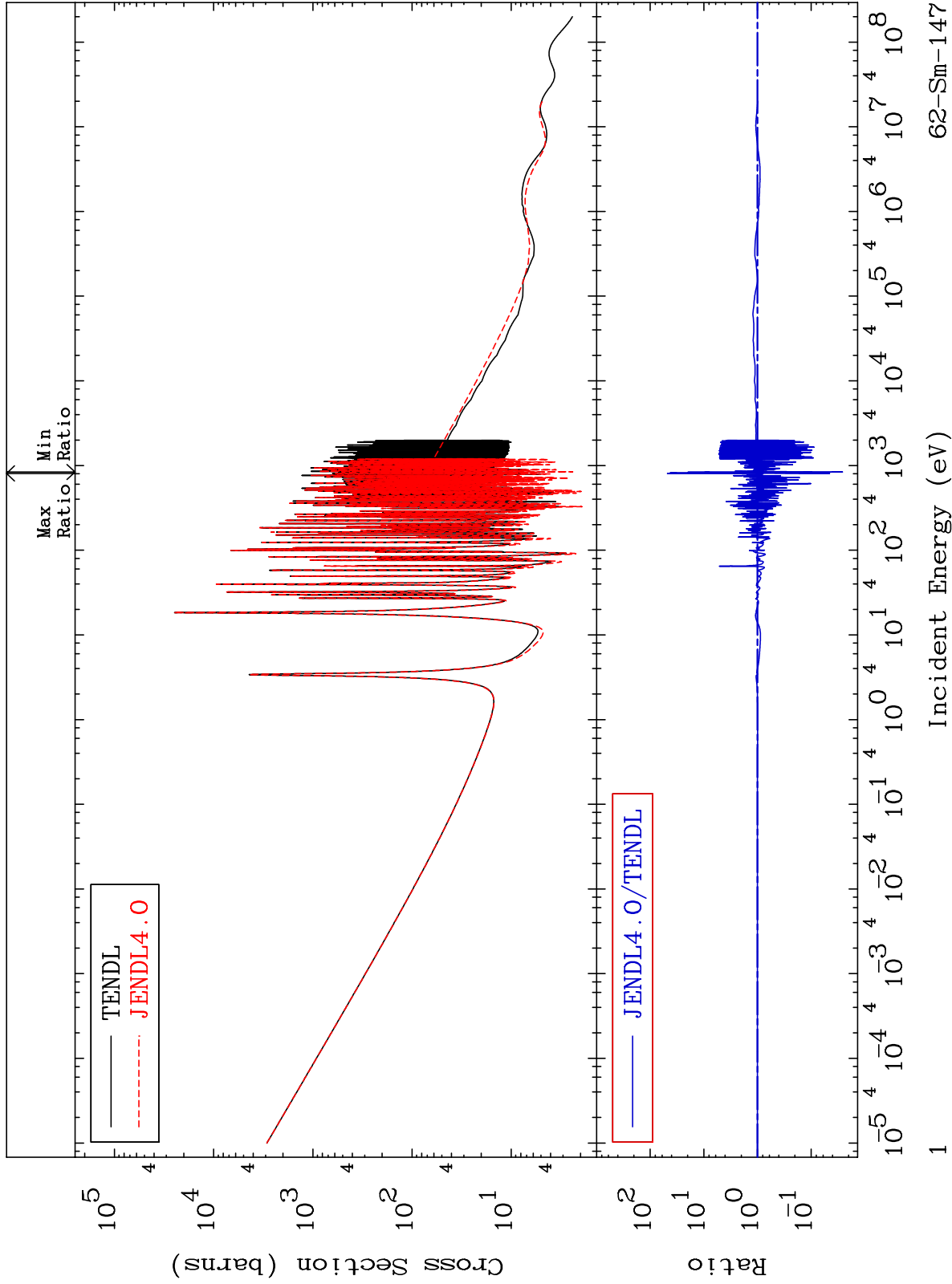
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 6234

Total  
Cross Section

62-Sm-147  
-97.42 To 4634. %



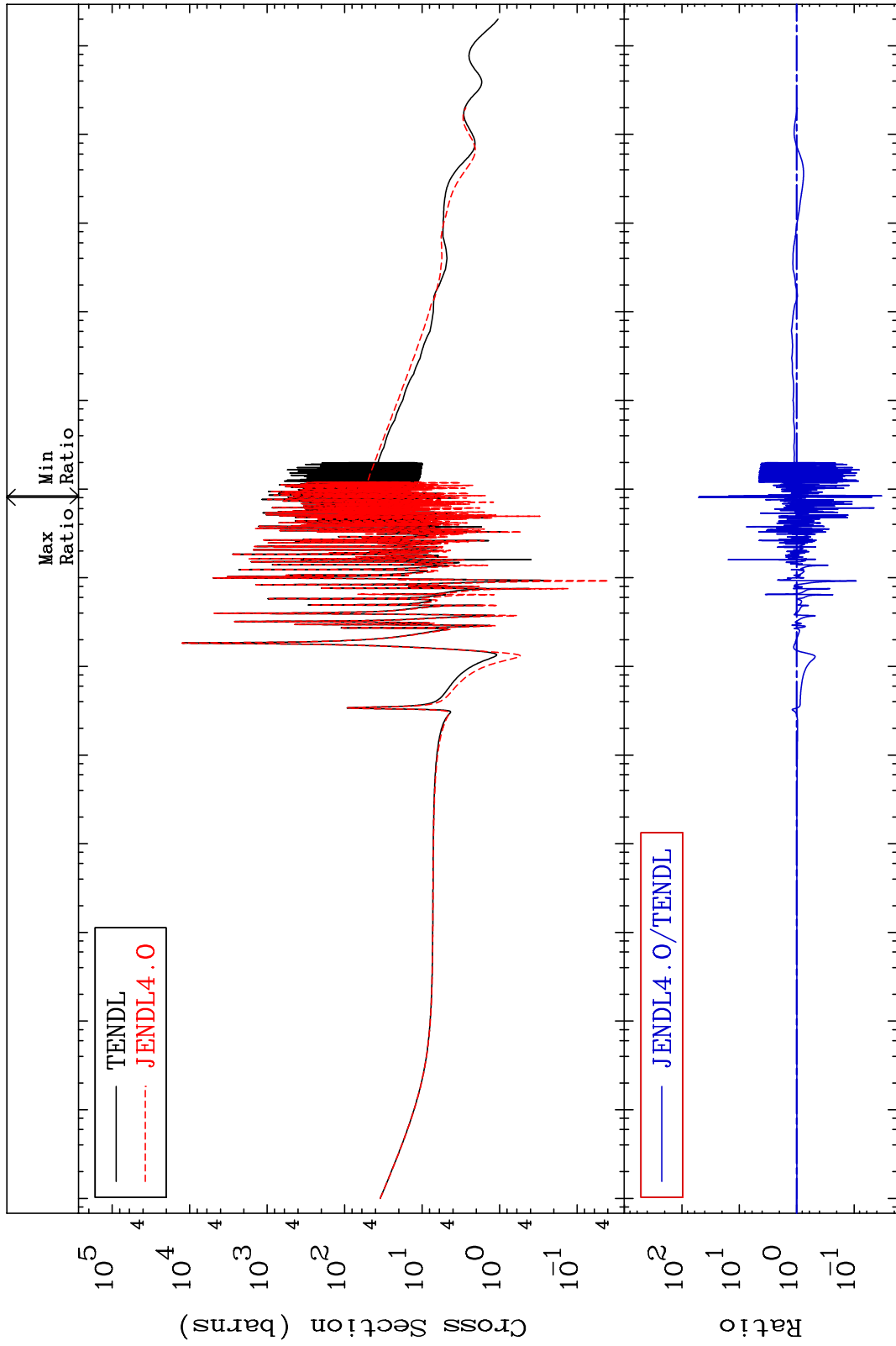
MAT 6234

Elastic

62-Sm-147

-96.68 To 5062. %

Cross Section



Max Ratio

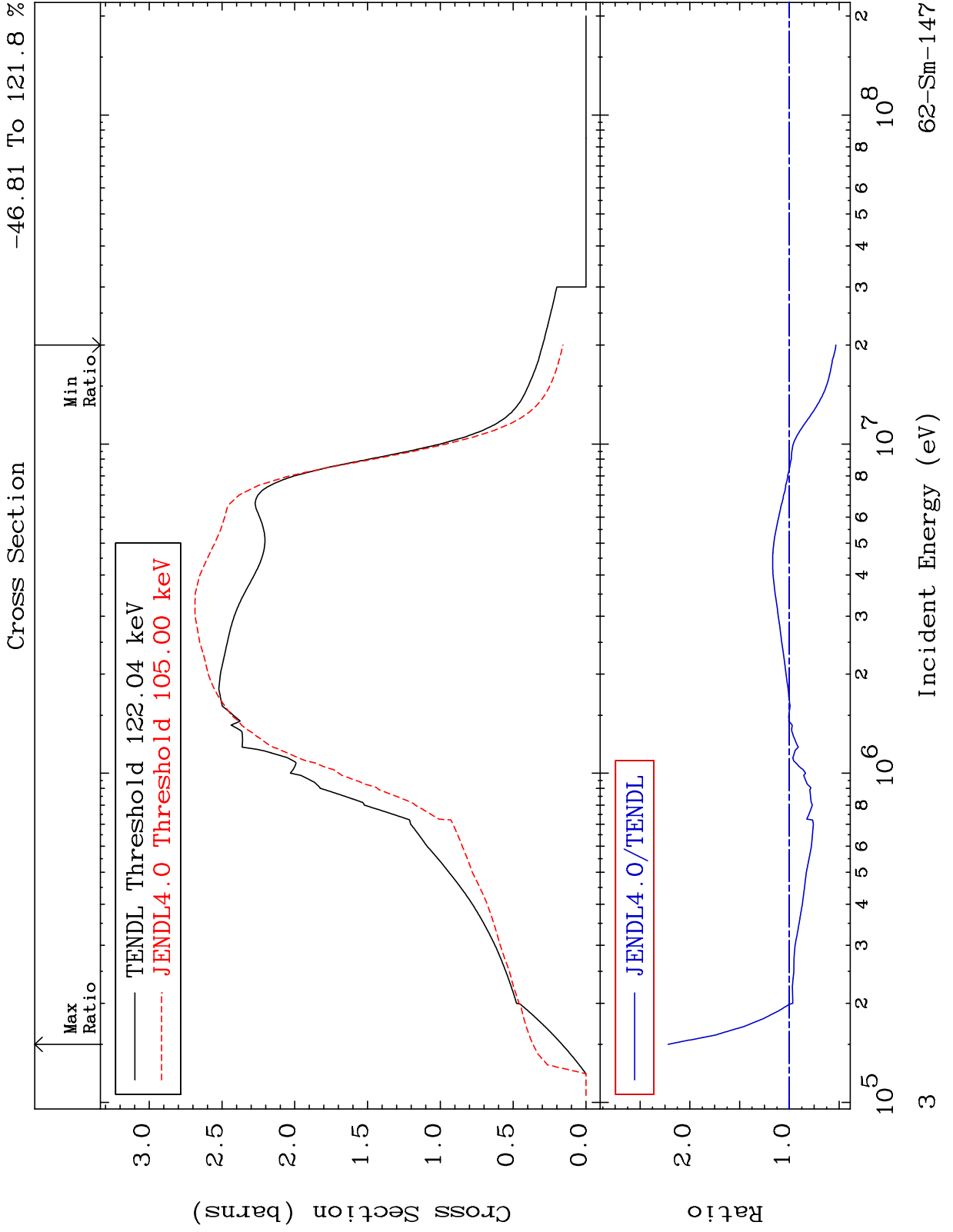
Min Ratio

JENDL4.0/TENDL

62-Sm-147

Incident Energy (eV)

MAT 6234 62-Sm-147  
Inelastic -46.81 To 121.8 %  
Cross Section



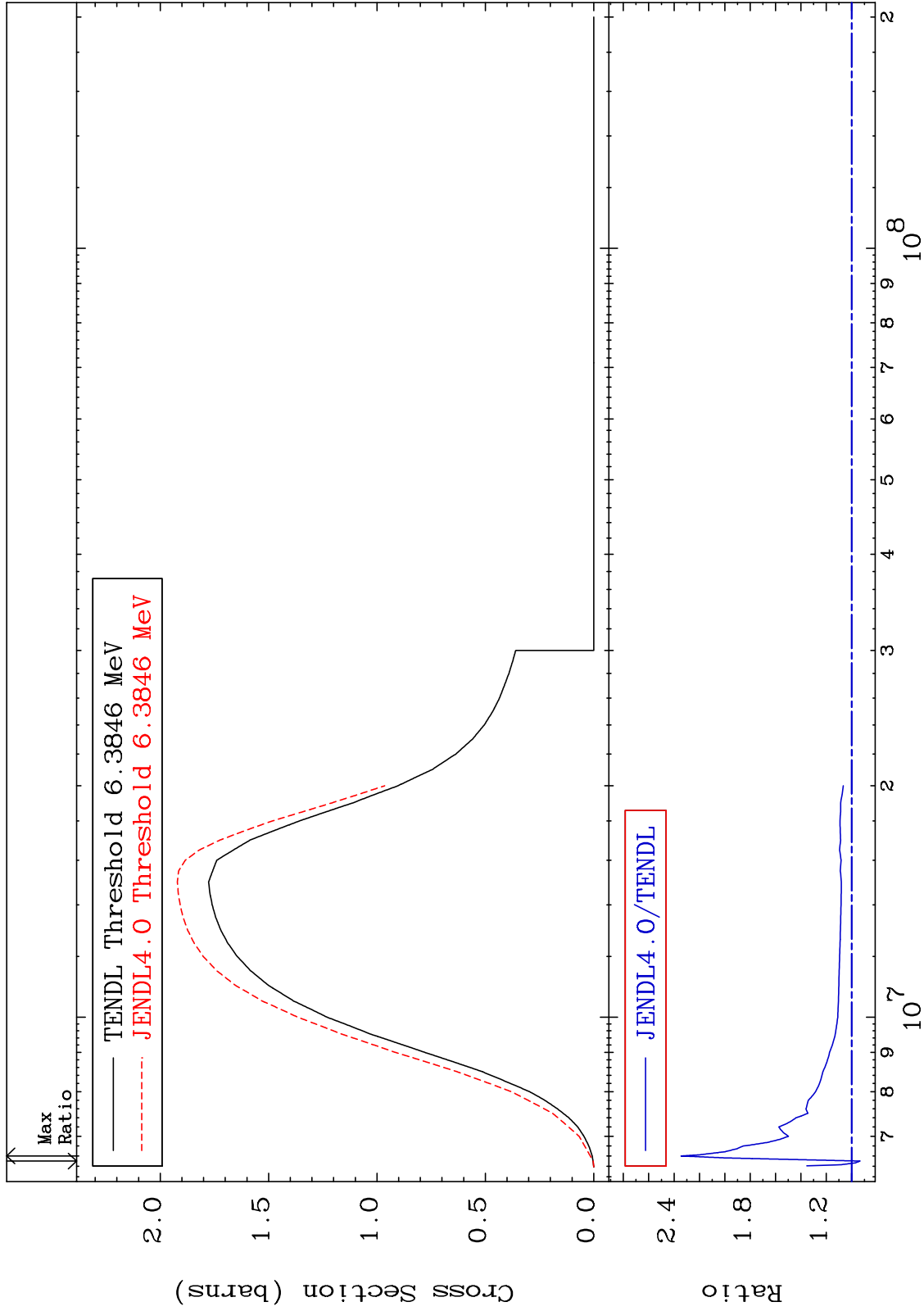
MAT 6234

(n,2n)

62-Sm-147

Cross Section

-6.504 To 134.4 %



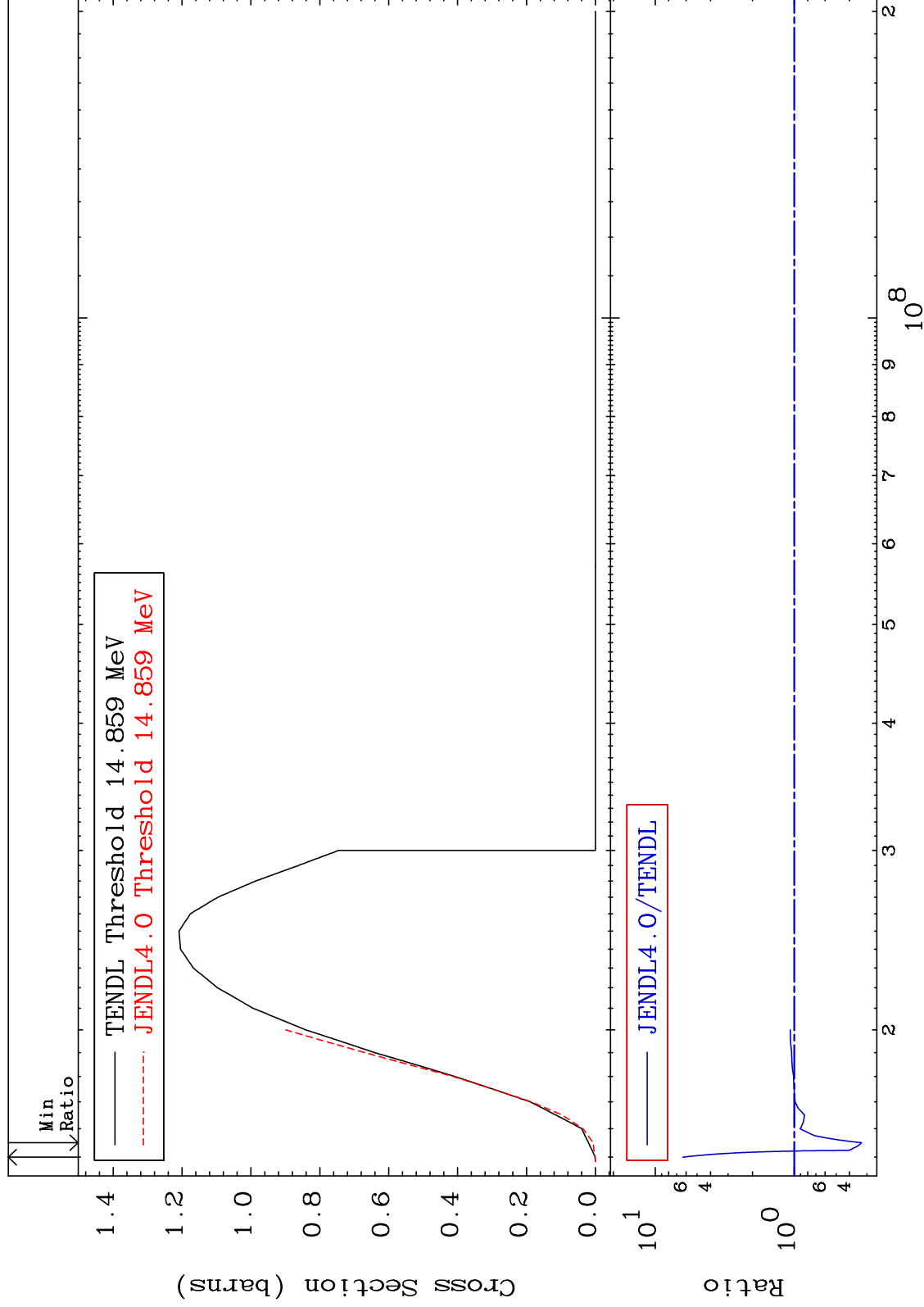
MAT 6234

(n, 3n)

62-Sm-147

Cross Section

-67.20 To 532.7 %



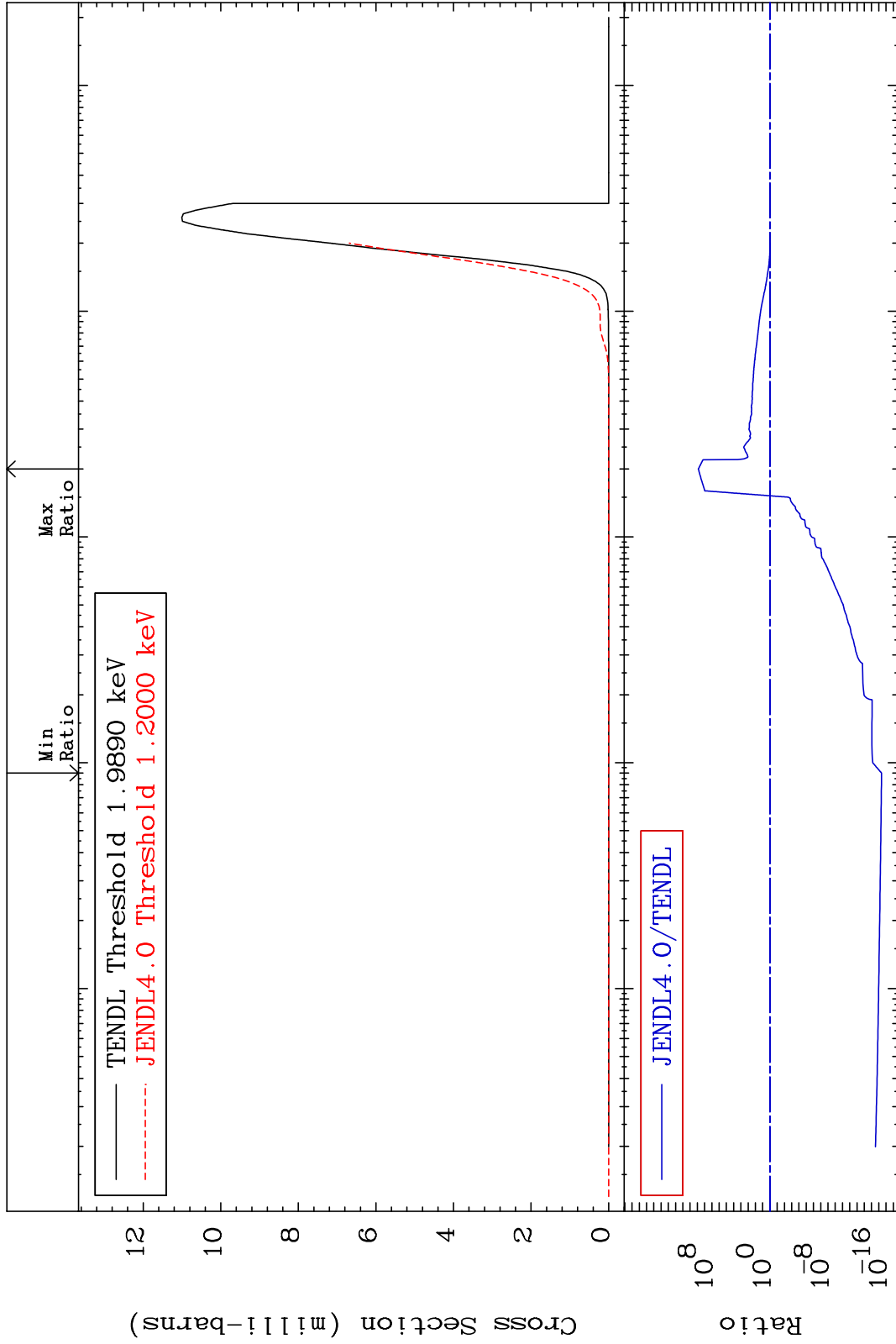
MAT 6234

$(n, n') \alpha$

62-Sm-147

-100.0 To 9999. %

Cross Section



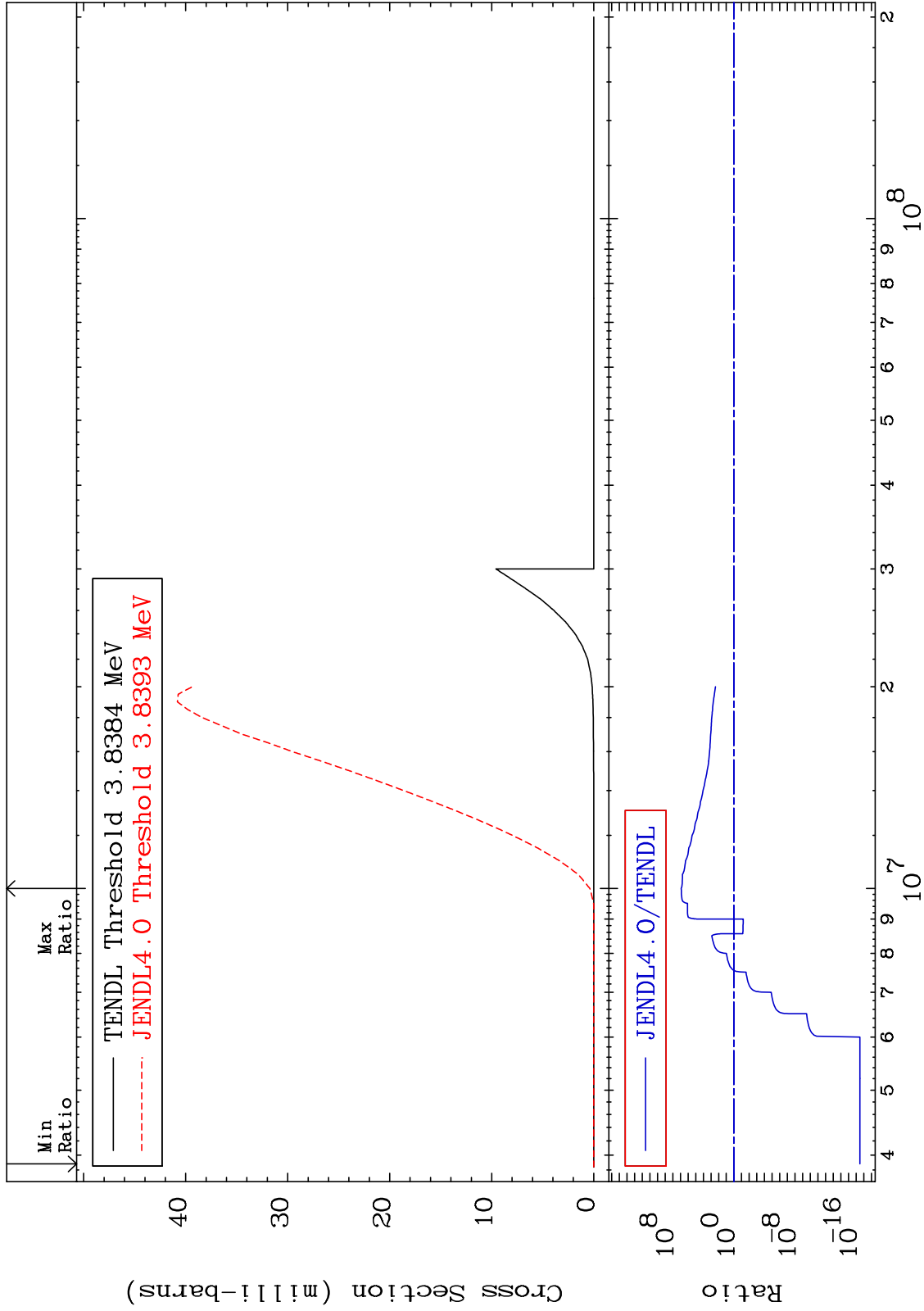
MAT 6234

(n,2n)  $\alpha$

62-Sm-147

Cross Section

-100.0 To 9999. %





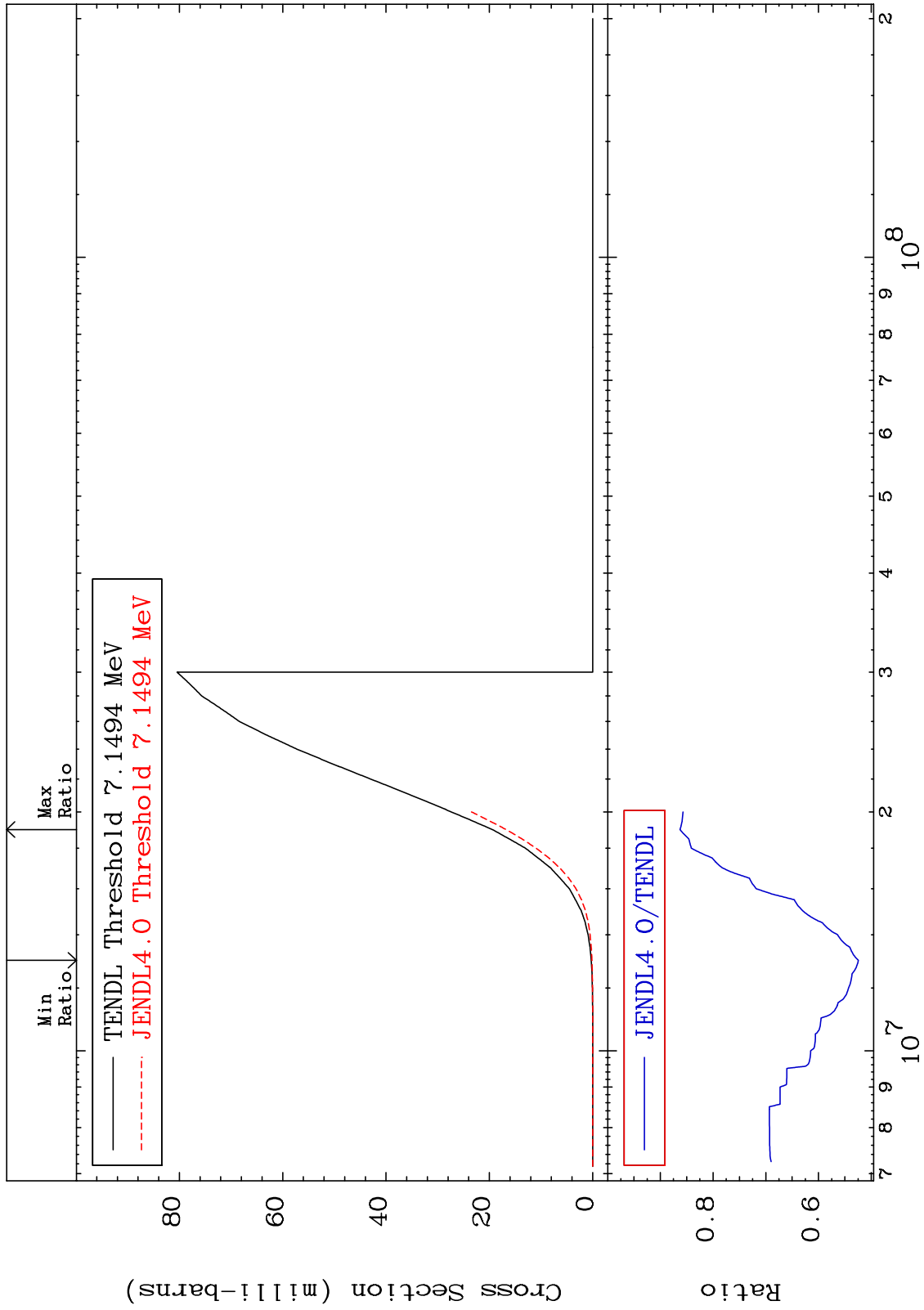
MAT 6234

(n,n') p

62-Sm-147

Cross Section

-47.57 To -13.73%



8

Incident Energy (eV)

62-Sm-147

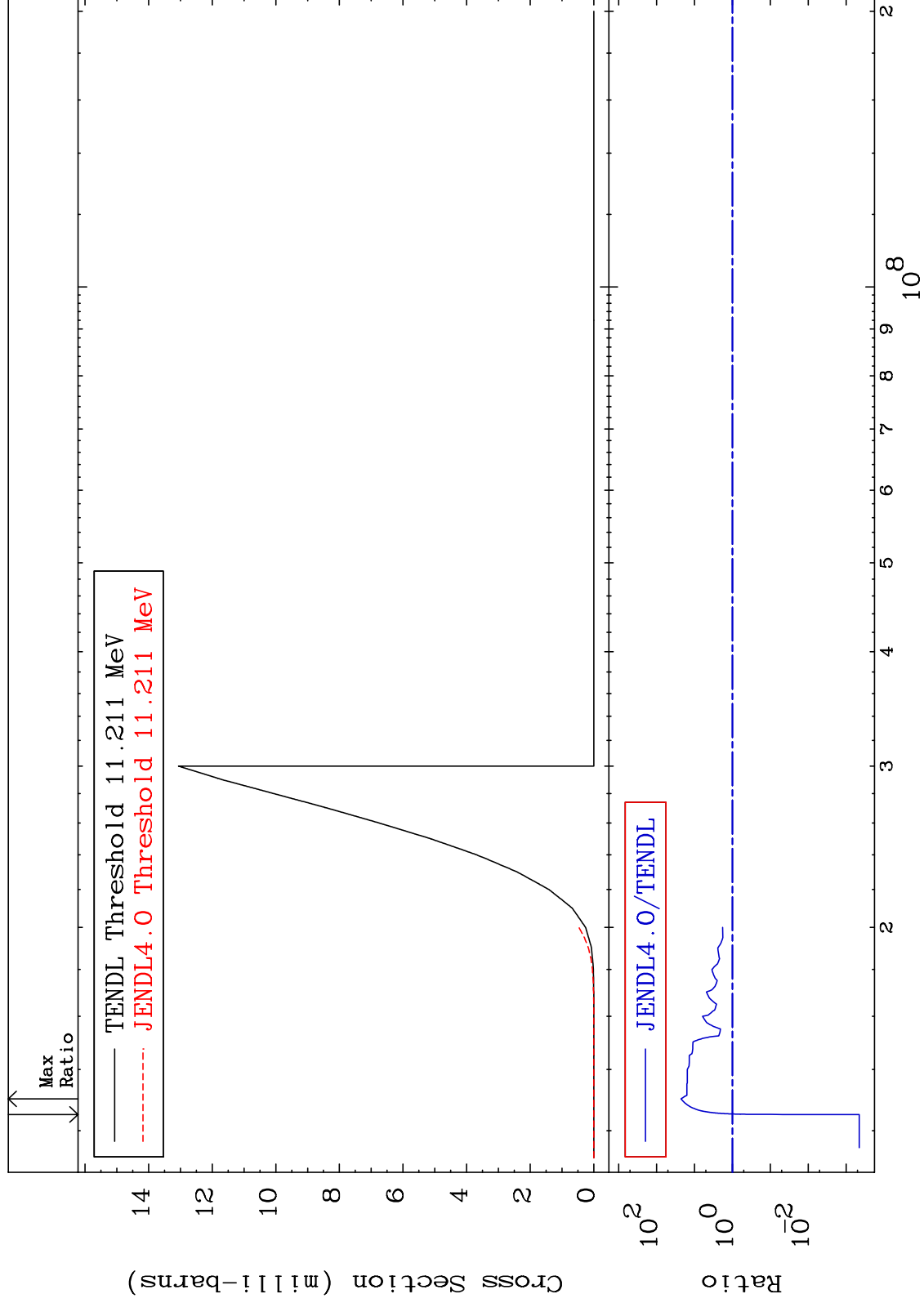
MAT 6234

(n,n') d

62-Sm-147

Cross Section

-99.96 To 2150. %



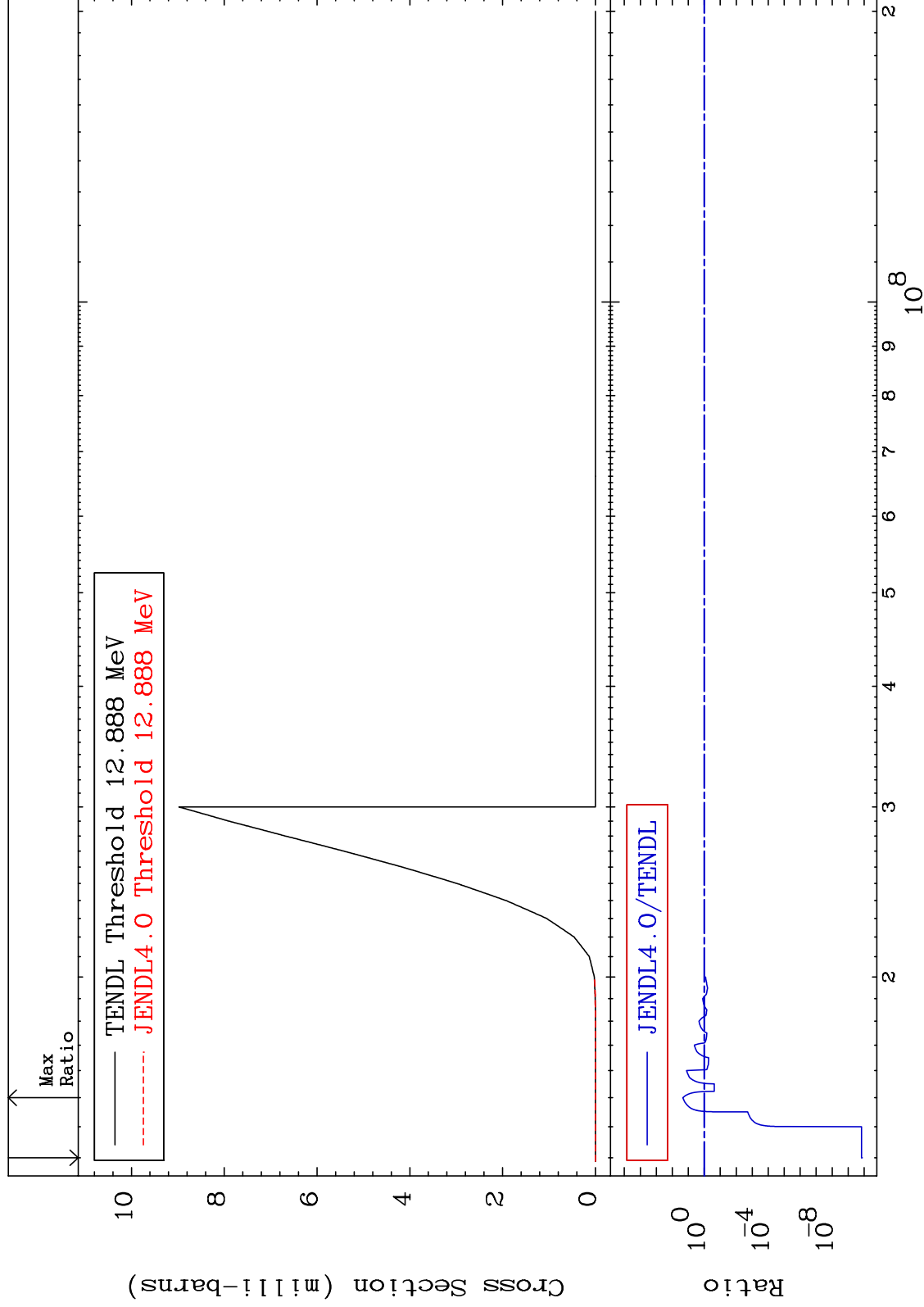
MAT 6234

(n,n') t

62-Sm-147

Cross Section

-100.0 To 2080. %



10

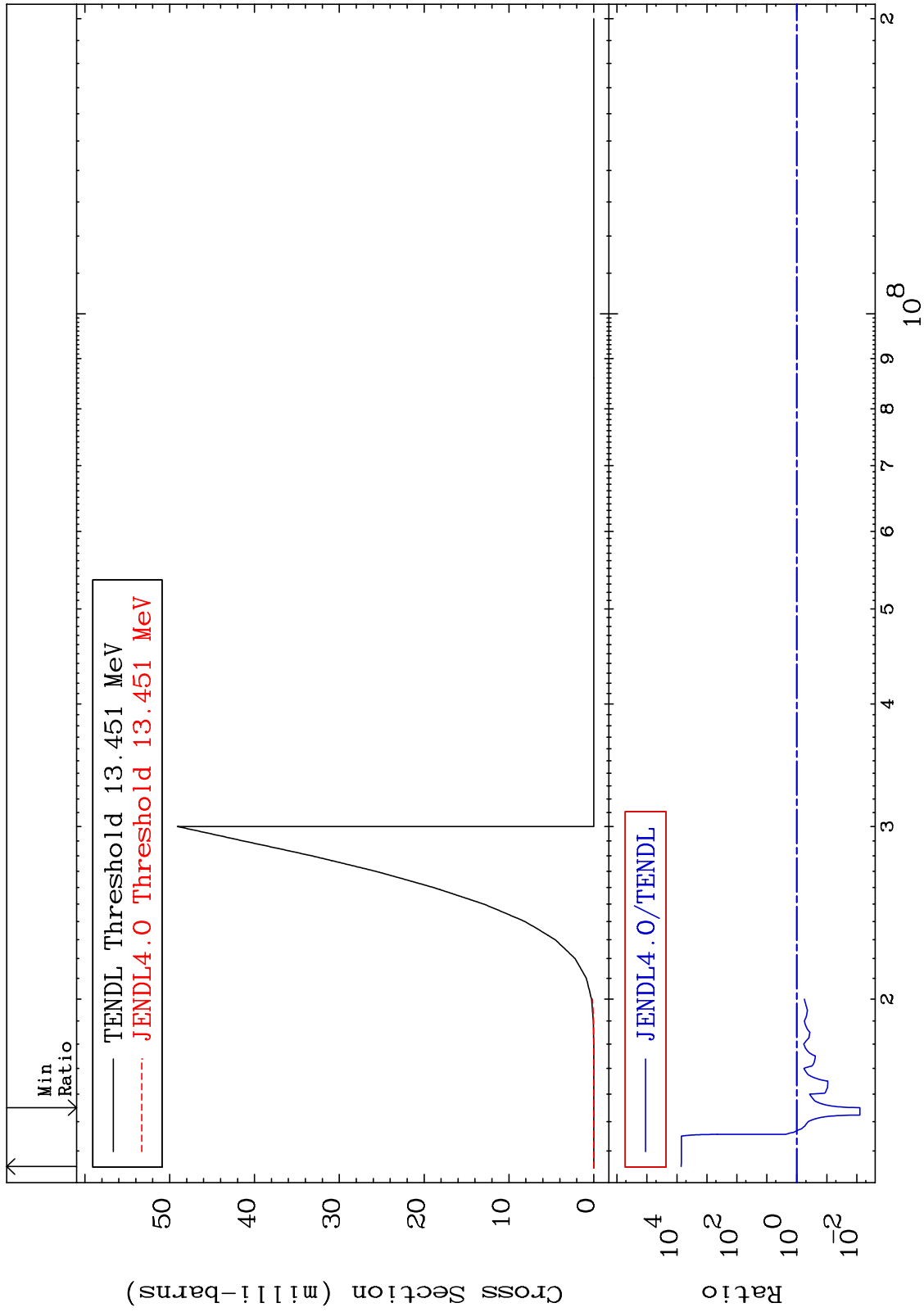
Incident Energy (eV)

62-Sm-147

MAT 6234

(n,2n) p  
Cross Section

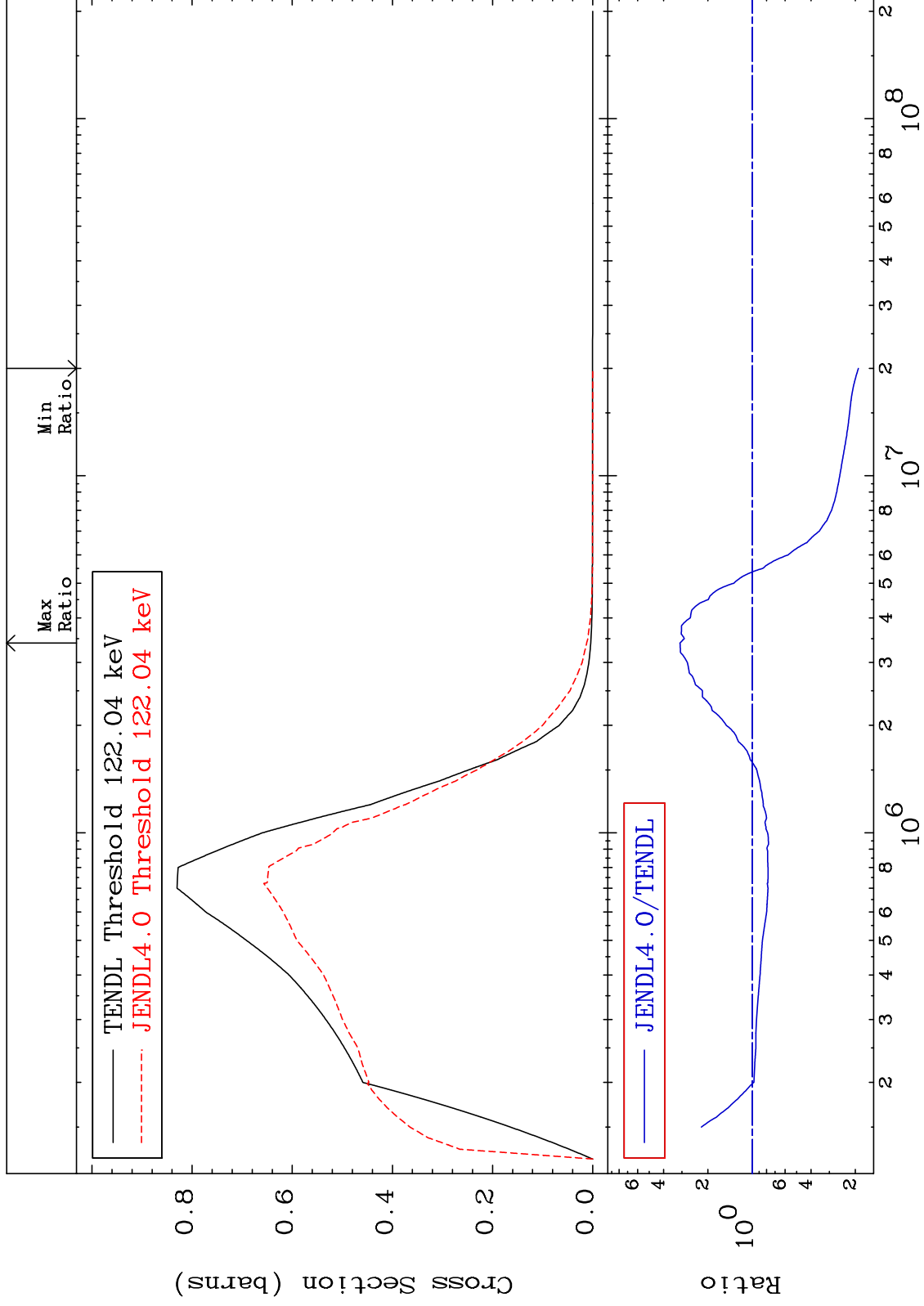
62-Sm-147  
-99.22 To 9999. %



MAT 6234

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

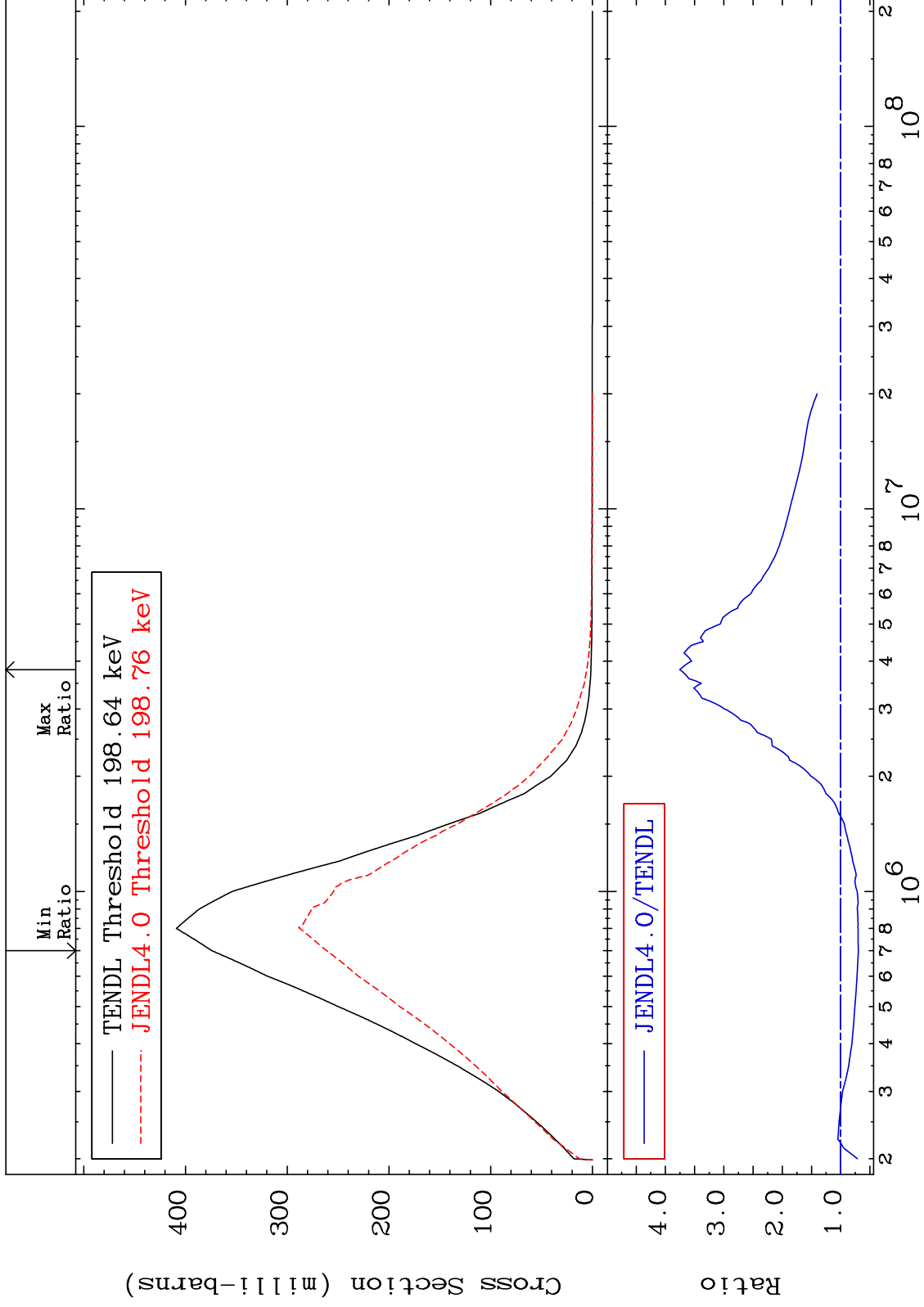
62-Sm-147  
-80.93 To 209.1 %



MAT 6234

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

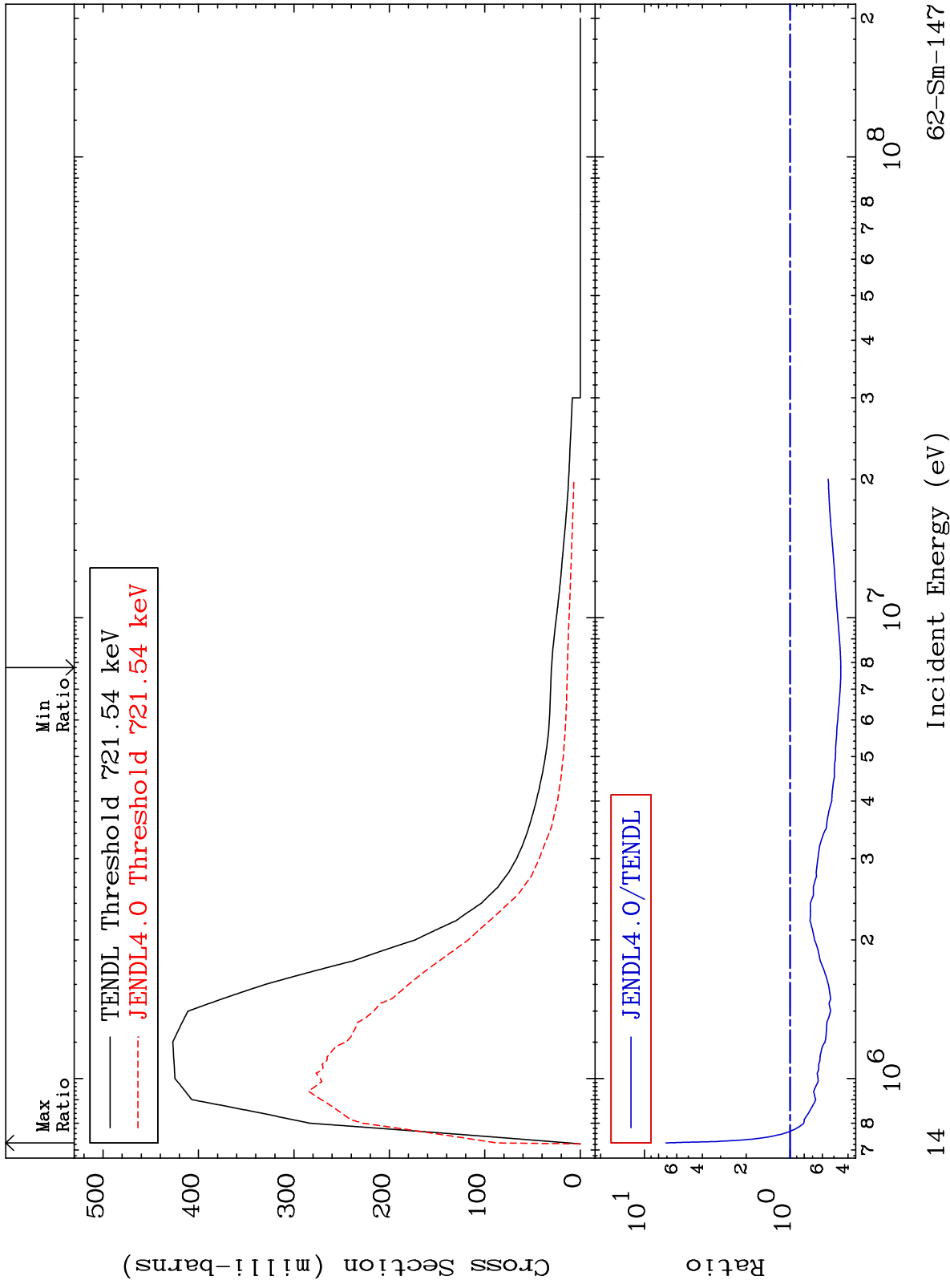
62-Sm-147  
-30.20 To 275.4 %



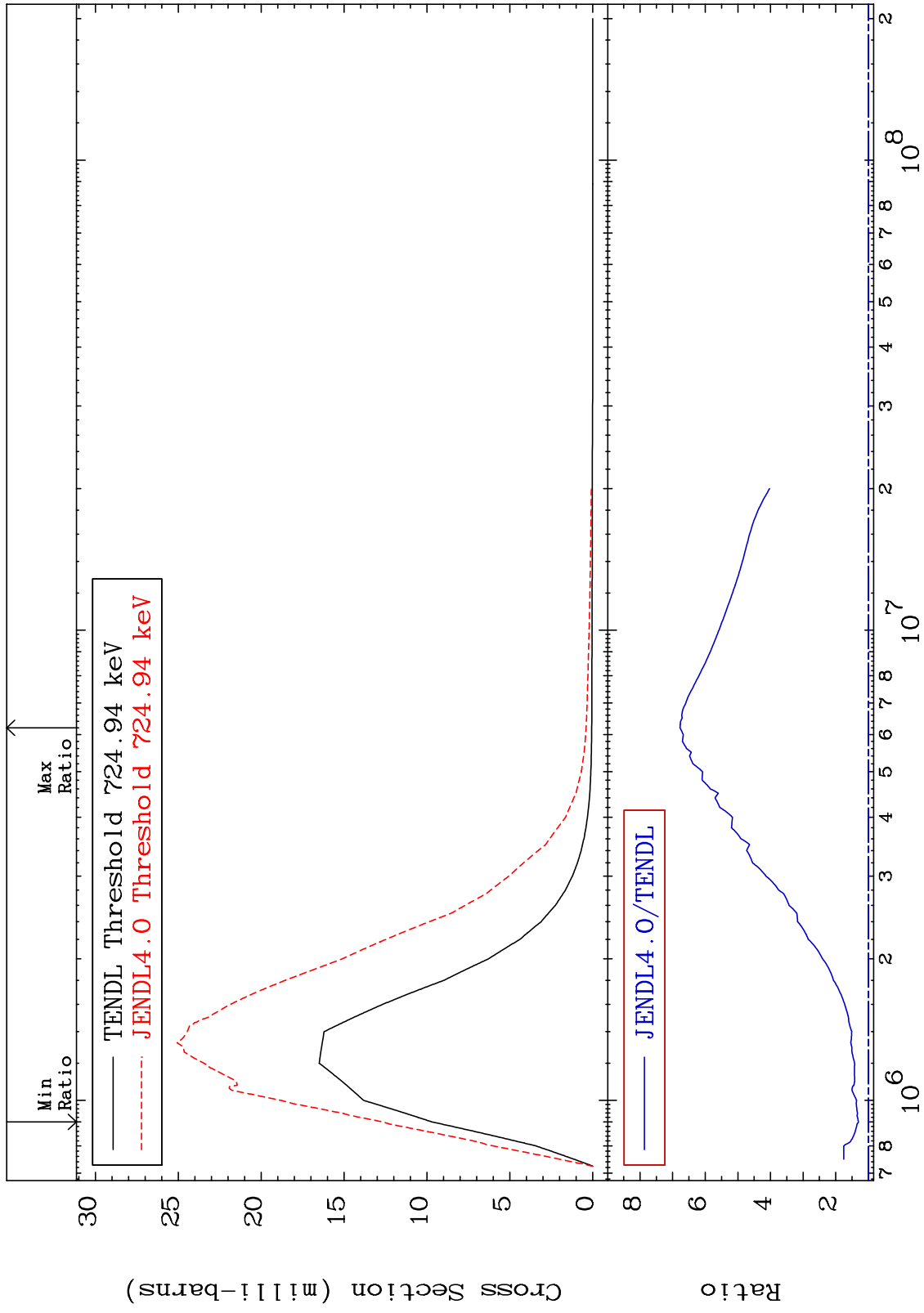
MAT 6234

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

62-Sm-147  
-55.22 To 612.4 %



MAT 6234      MT= 54 (n,n') Level      62-Sm-147  
Cross Section      30.45 To 577.3 %



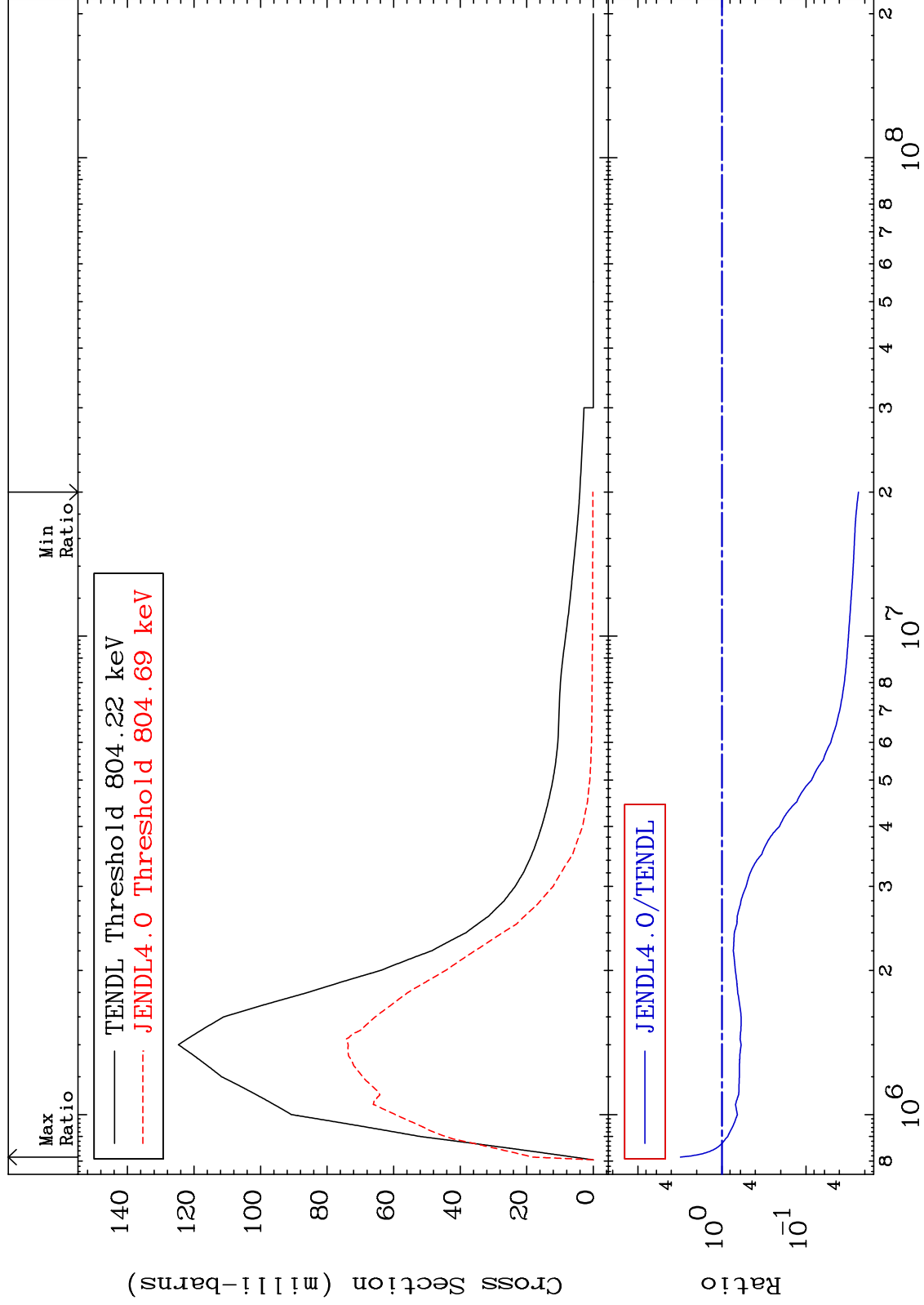
15      Incident Energy (eV)      62-Sm-147



MAT 6234

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

62-Sm-147  
-97.63 To 211.6 %

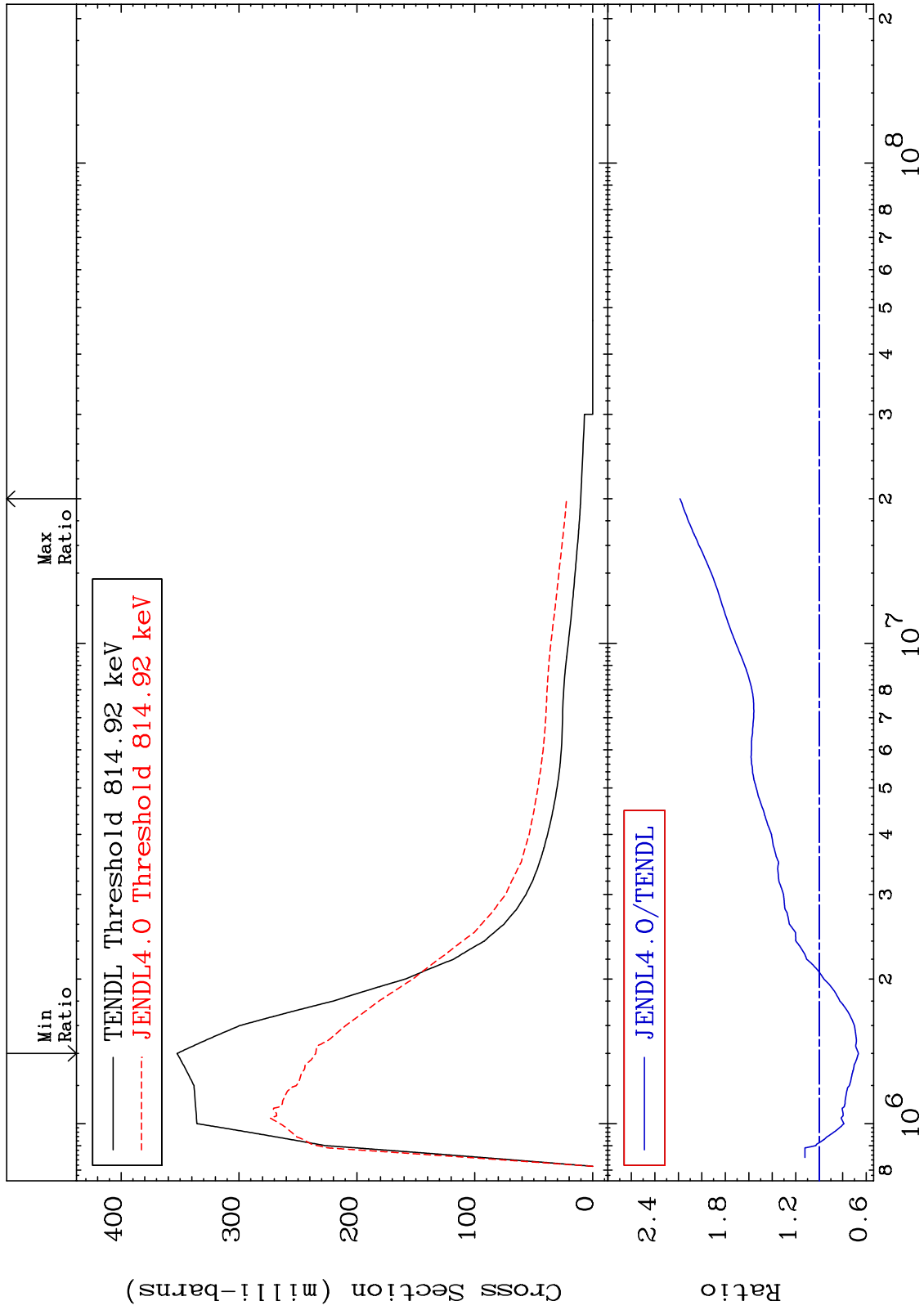


16

Incident Energy (eV)

62-Sm-147

MAT 6234 MT= 56 (n,n') Level Cross Section -33.37 To 118.6 % 62-Sm-147

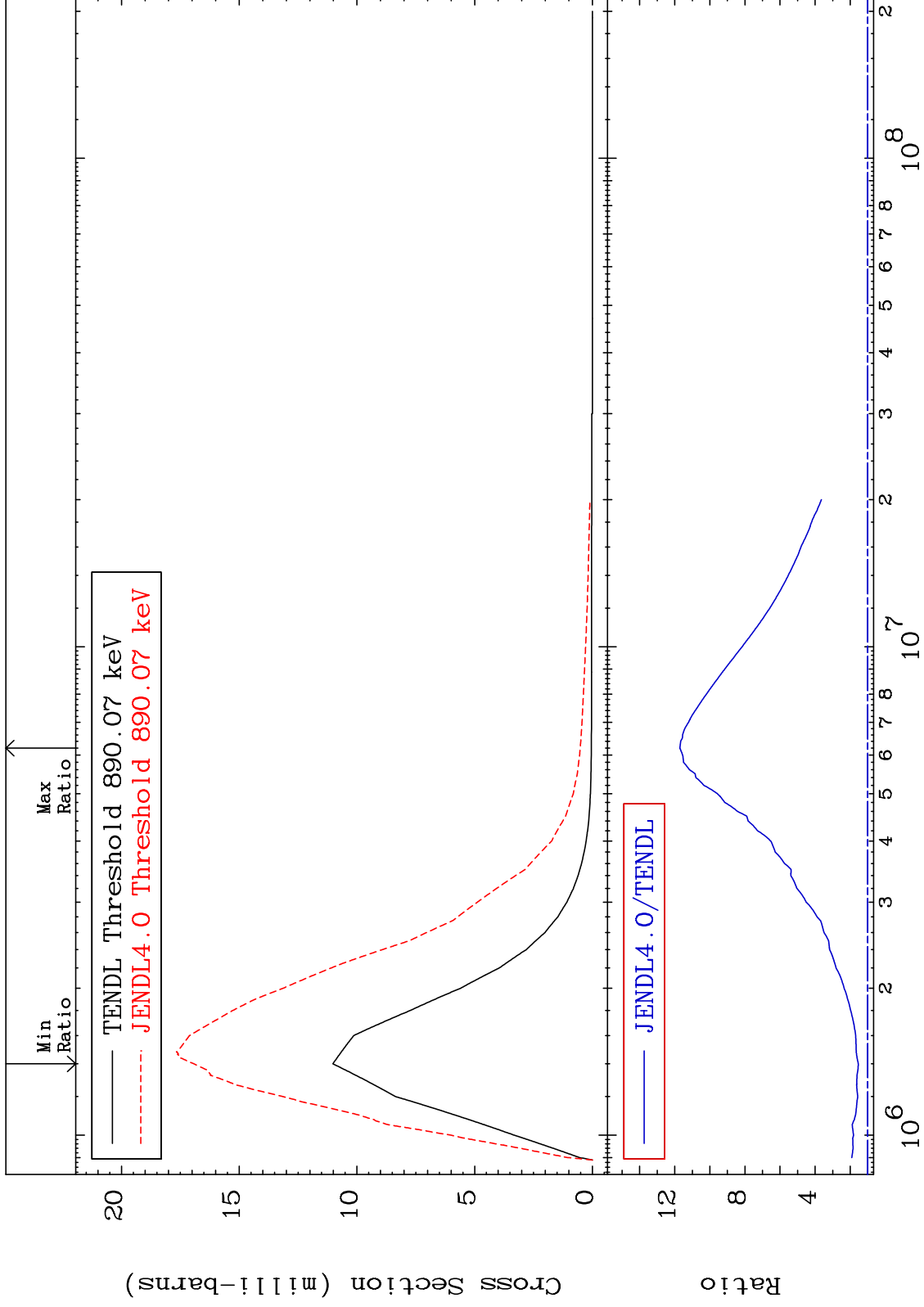


17 Incident Energy (eV) 62-Sm-147

MAT 6234

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

62-Sm-147  
53.56 To 1071. %



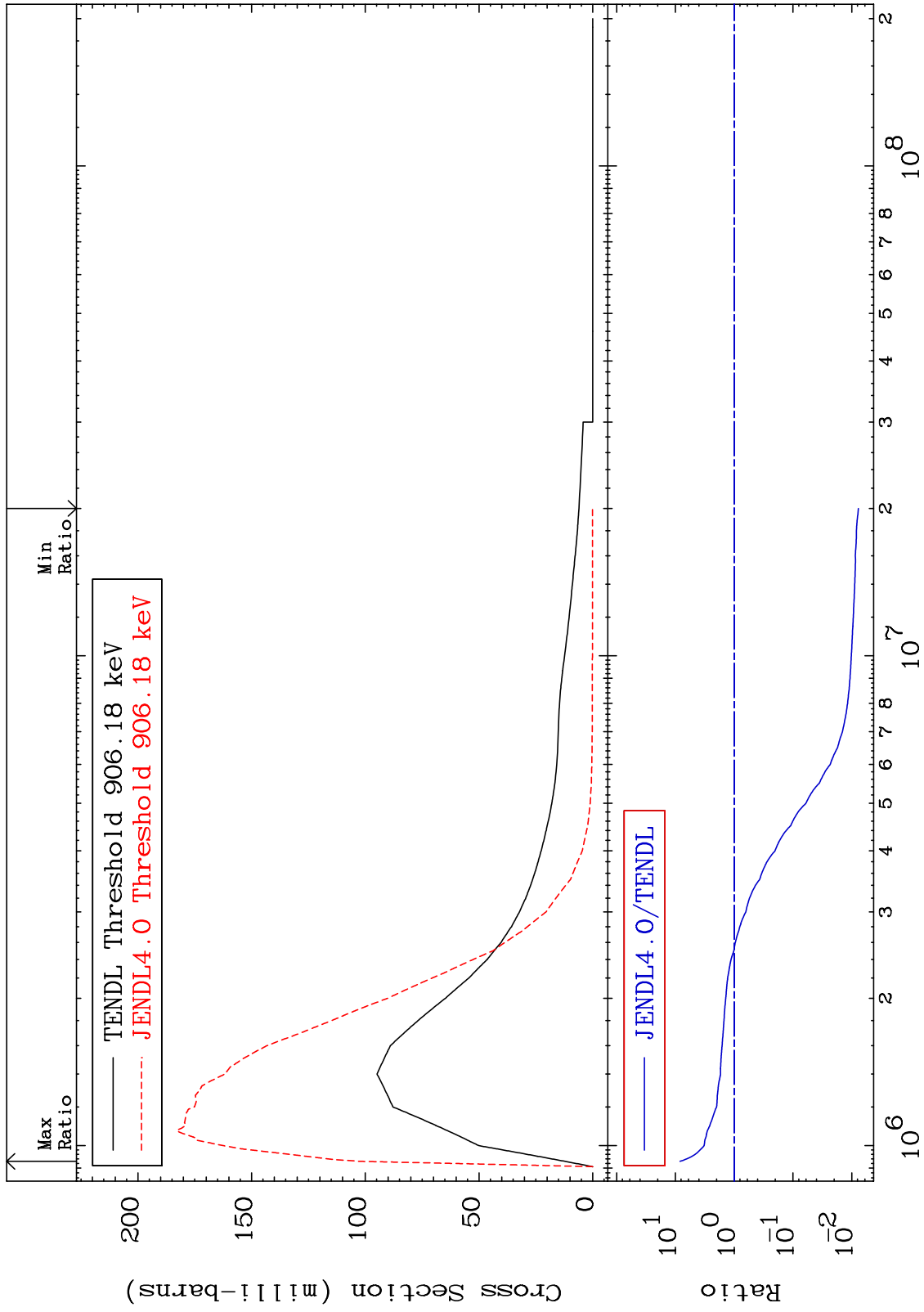
Incident Energy (eV)

62-Sm-147

MAT 6234

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

62-Sm-147  
-99.23 To 736.0 %



62-Sm-147

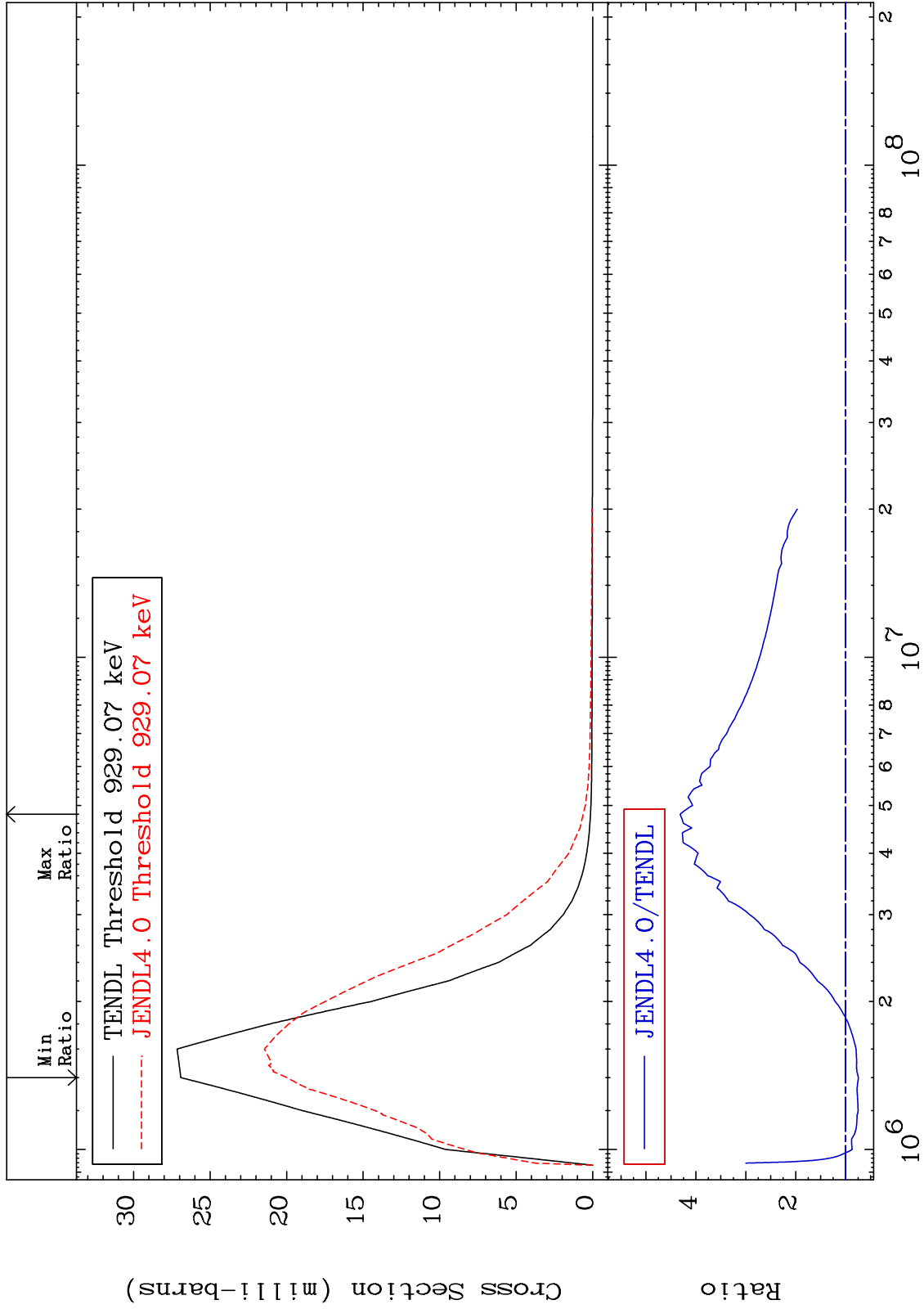
Incident Energy (eV)

19

MAT 6234

MT= 59 (n,n') Level  
Cross Section

62-Sm-147  
-25.74 To 331.8 %



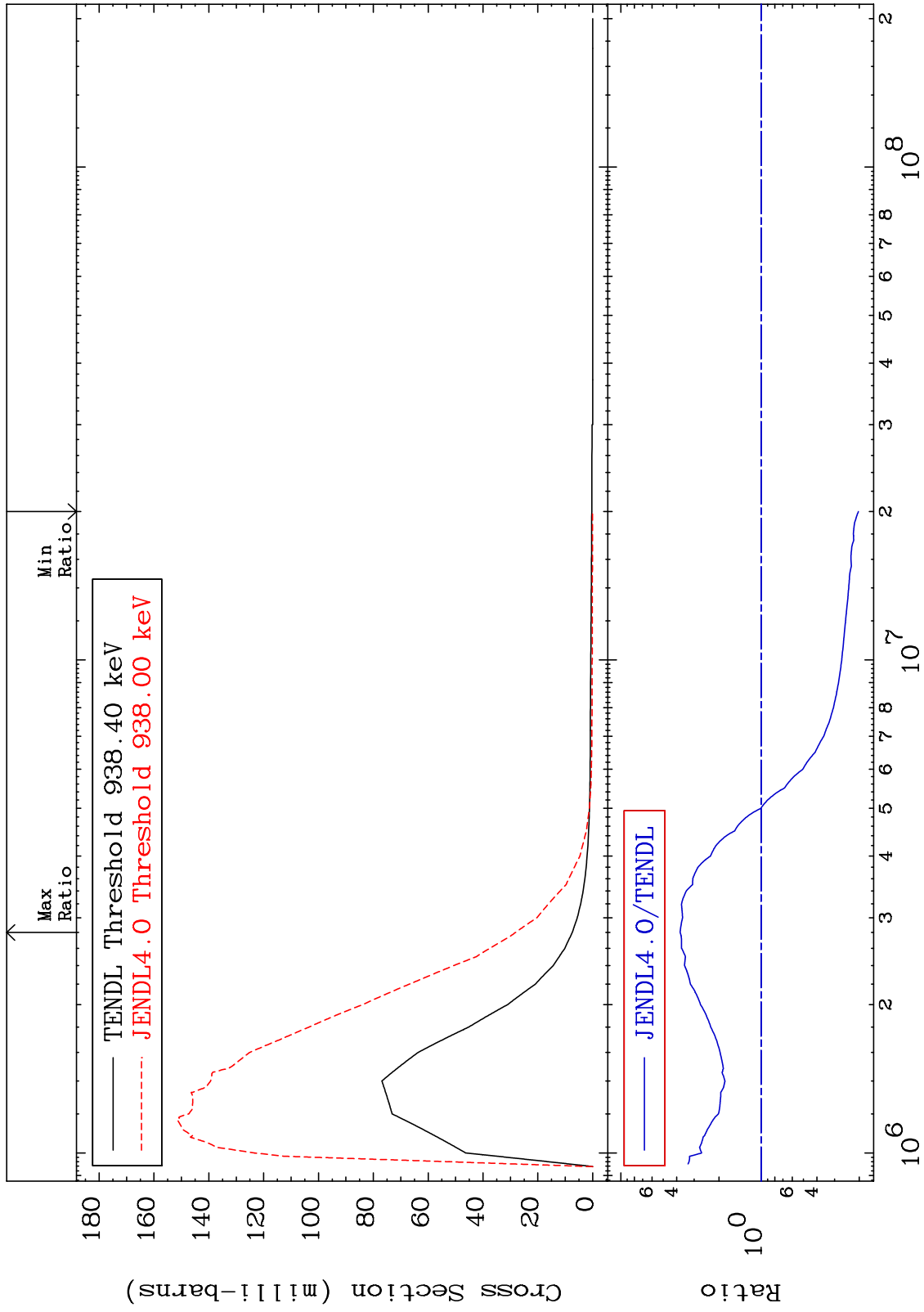
Incident Energy (eV)

62-Sm-147

MAT 6234

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

62-Sm-147  
-79.71 To 278.7 %



21

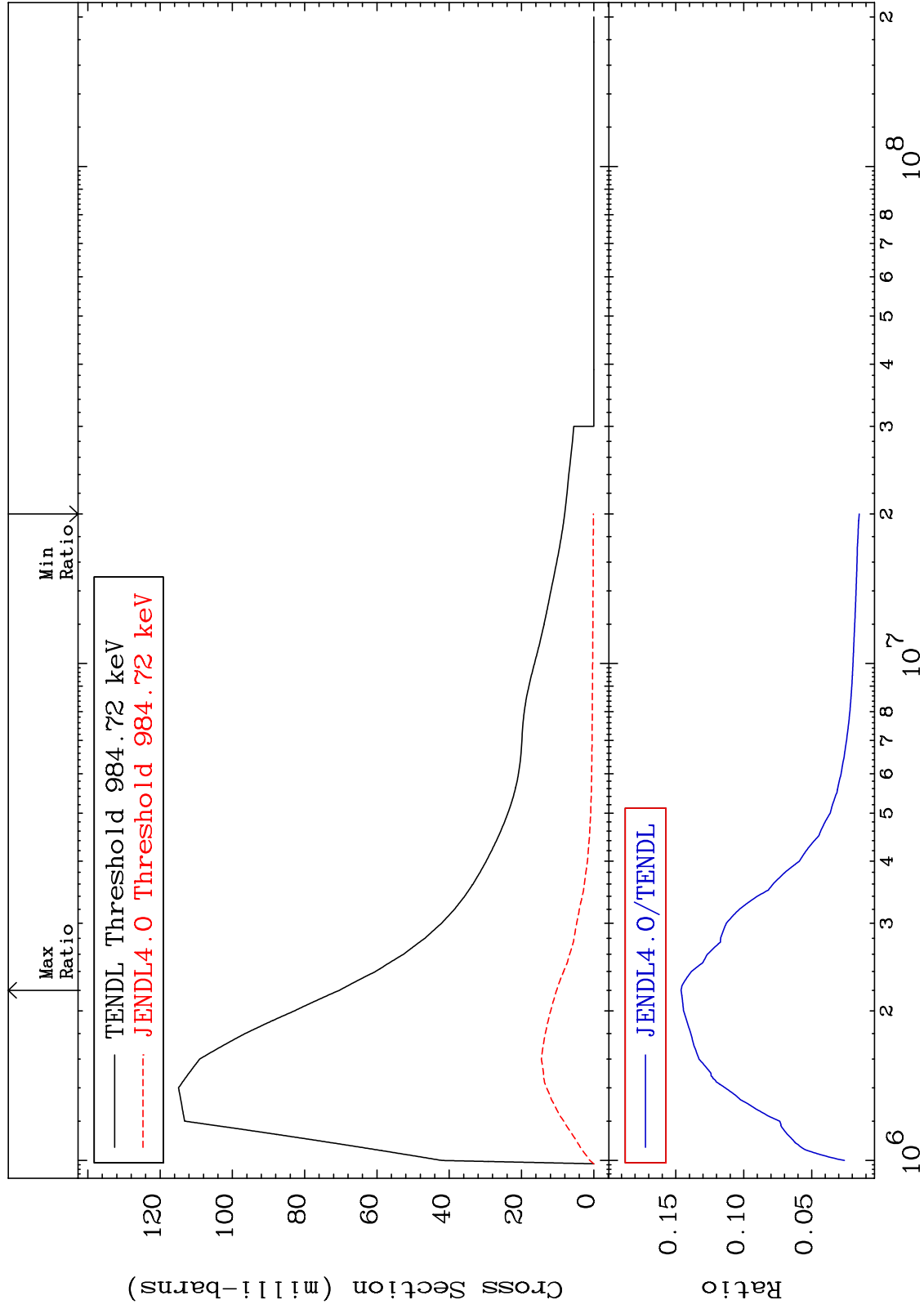
Incident Energy (eV)

62-Sm-147

MAT 6234

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

62-Sm-147  
-98.51 To -85.38%



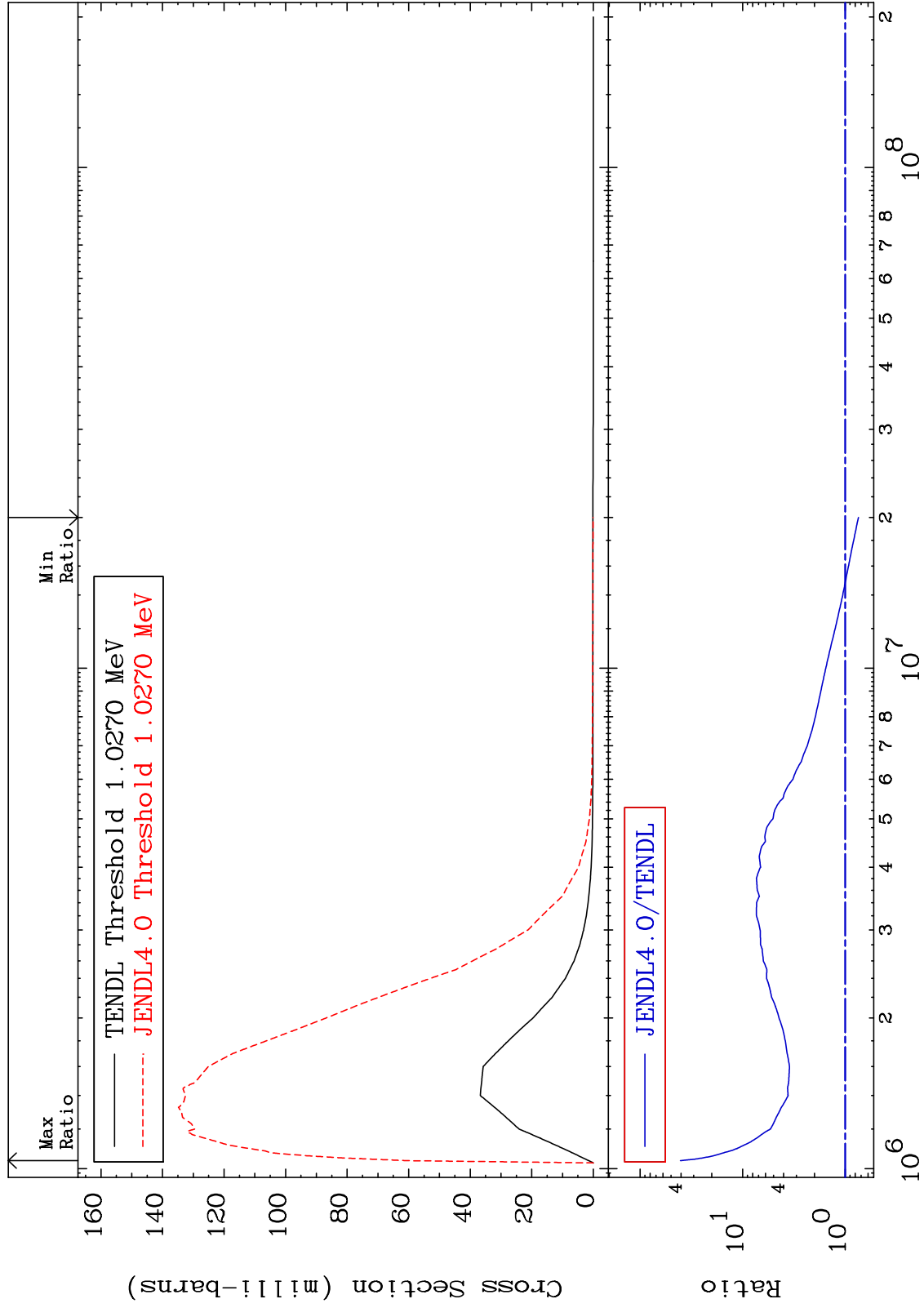
62-Sm-147

22

MAT 6234

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

62-Sm-147  
-25.71 To 3943. %



23

Incident Energy (eV)

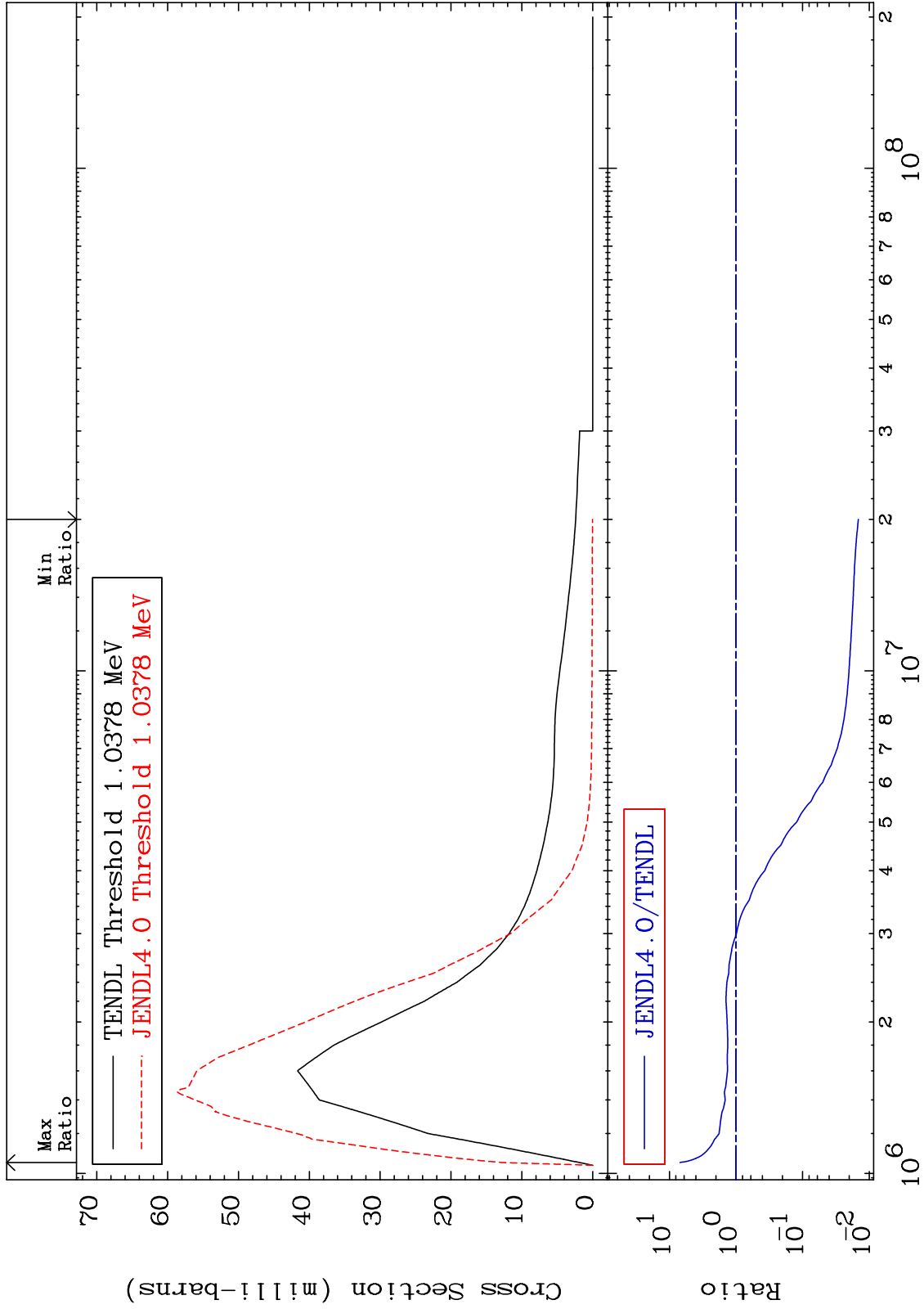
62-Sm-147



MAT 6234

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

62-Sm-147  
-98.55 To 592.7 %



24

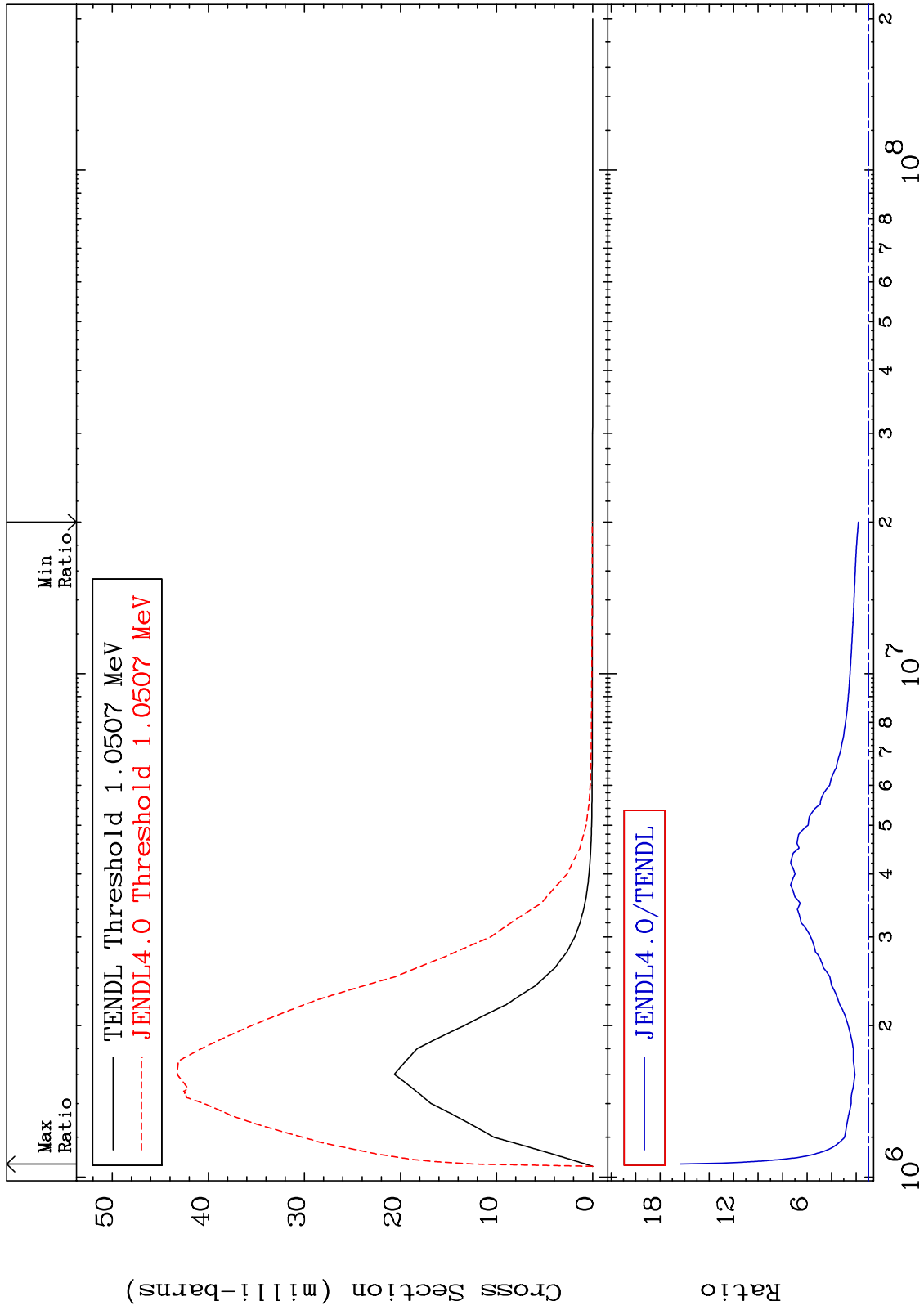
Incident Energy (eV)

62-Sm-147

MAT 6234

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

62-Sm-147  
80.93 To 1538. %



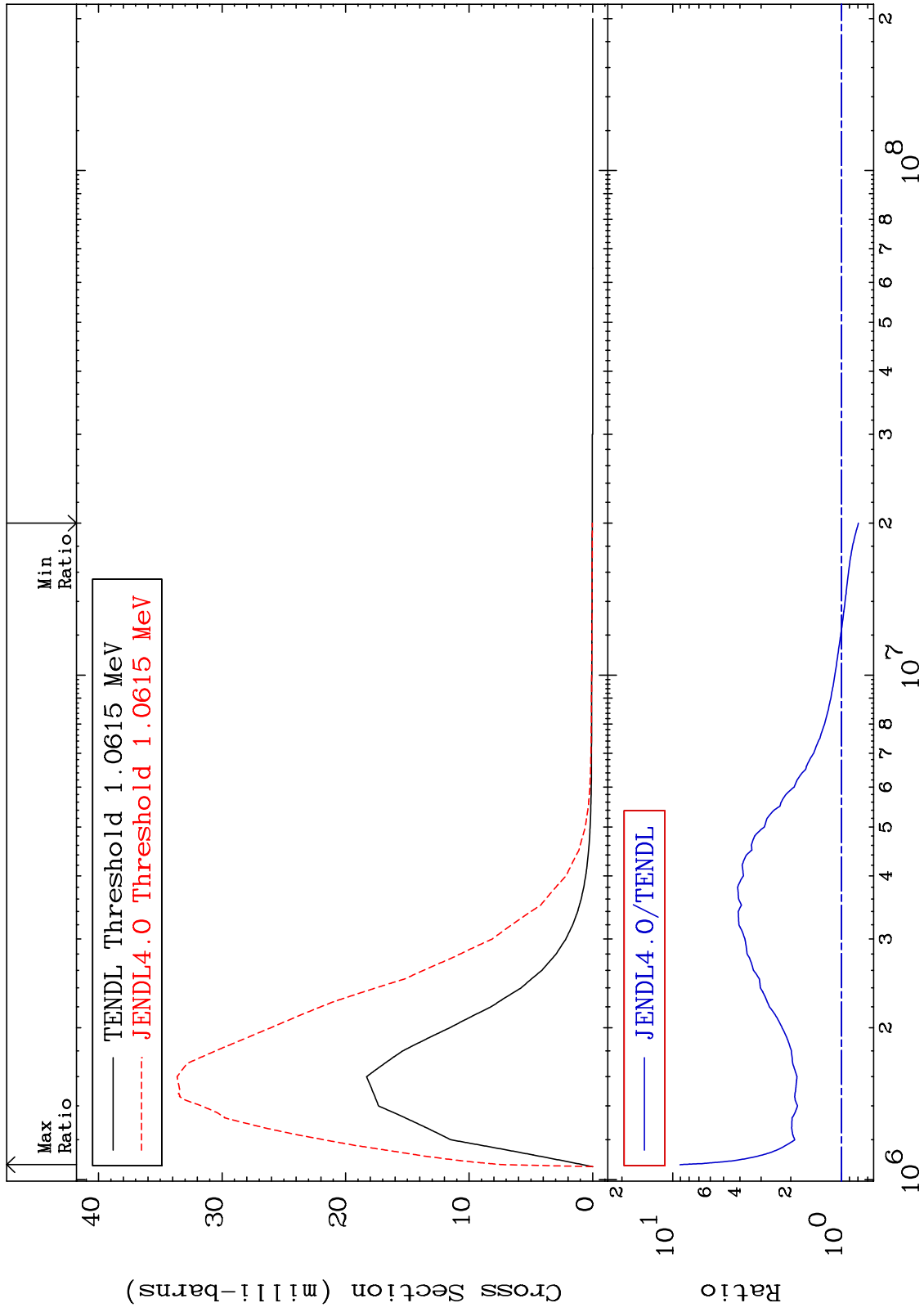
25

62-Sm-147

MAT 6234

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

62-Sm-147  
-20.47 To 805.8 %



26

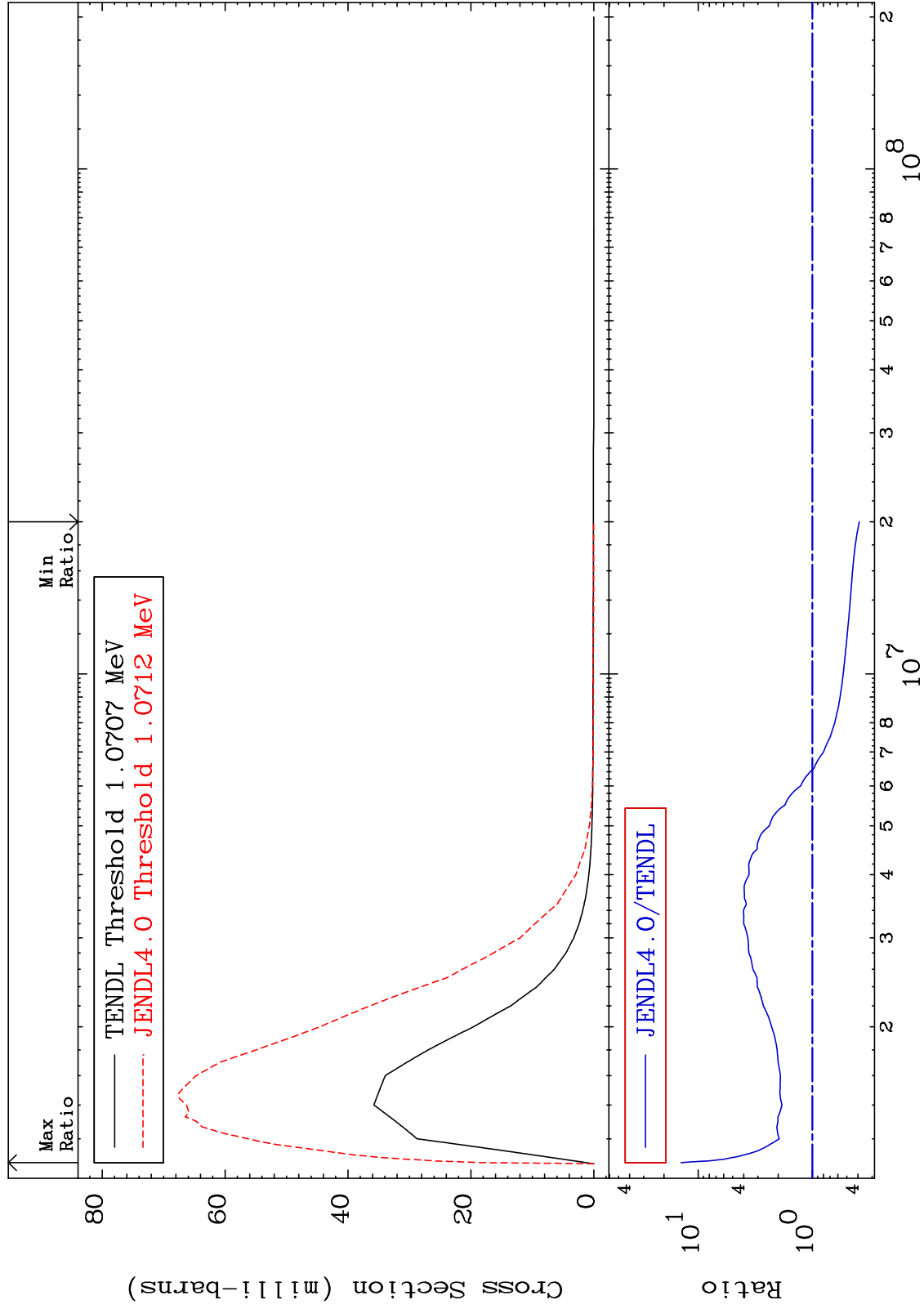
62-Sm-147

62-Sm-147

MAT 6234

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

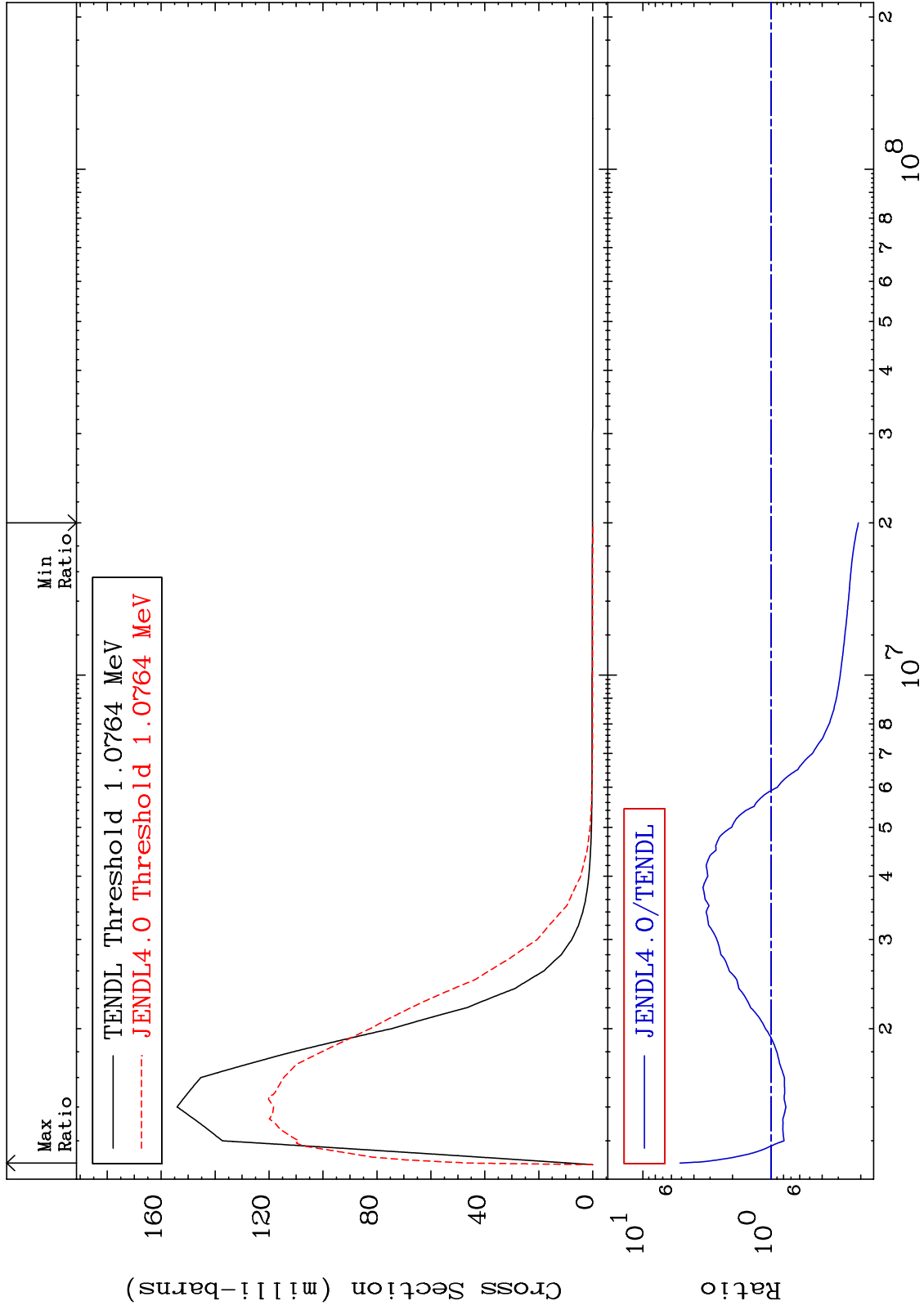
62-Sm-147  
-61.11 To 1315. %



MAT 6234

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

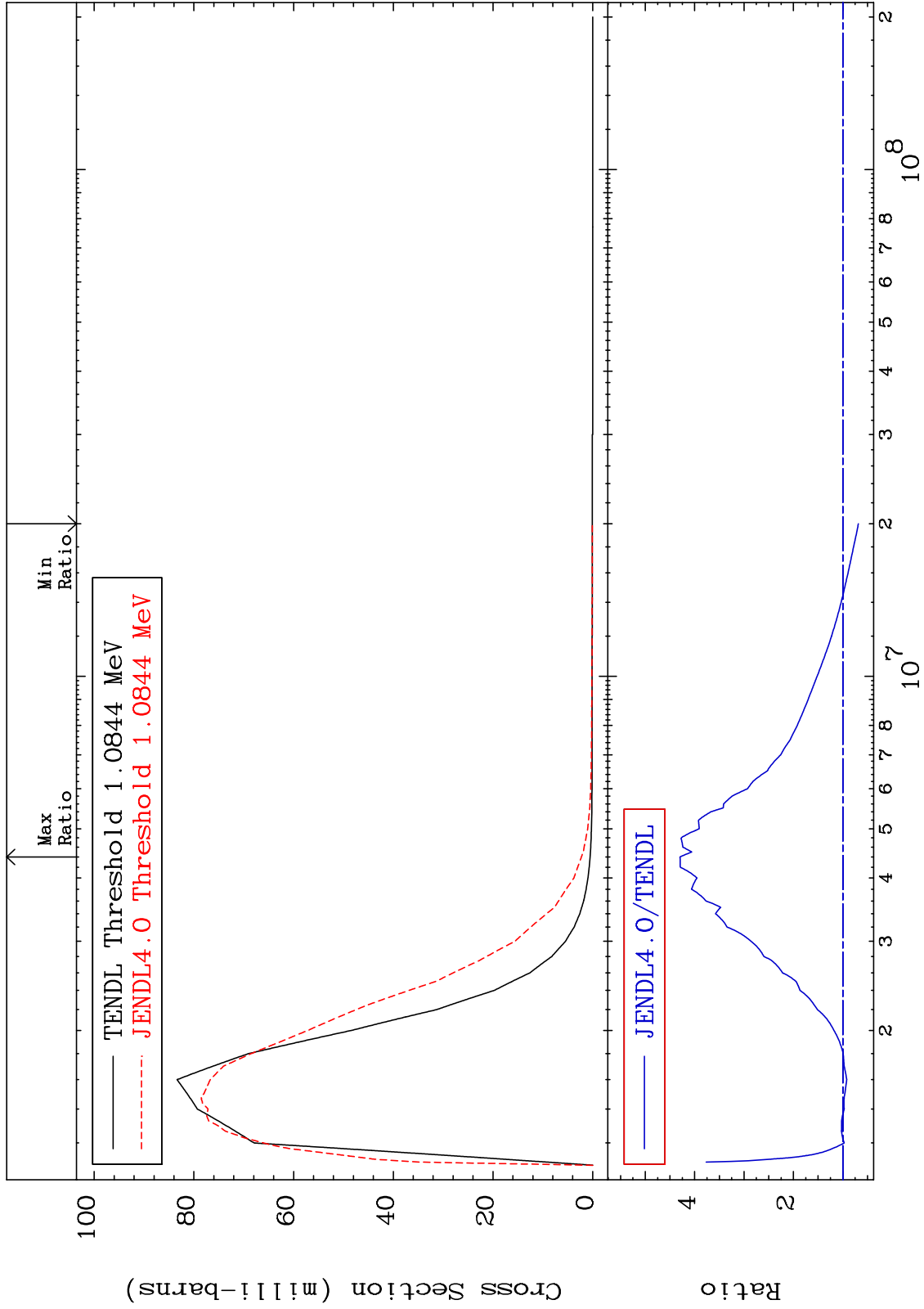
62-Sm-147  
-79.11 To 413.5 %



MAT 6234

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

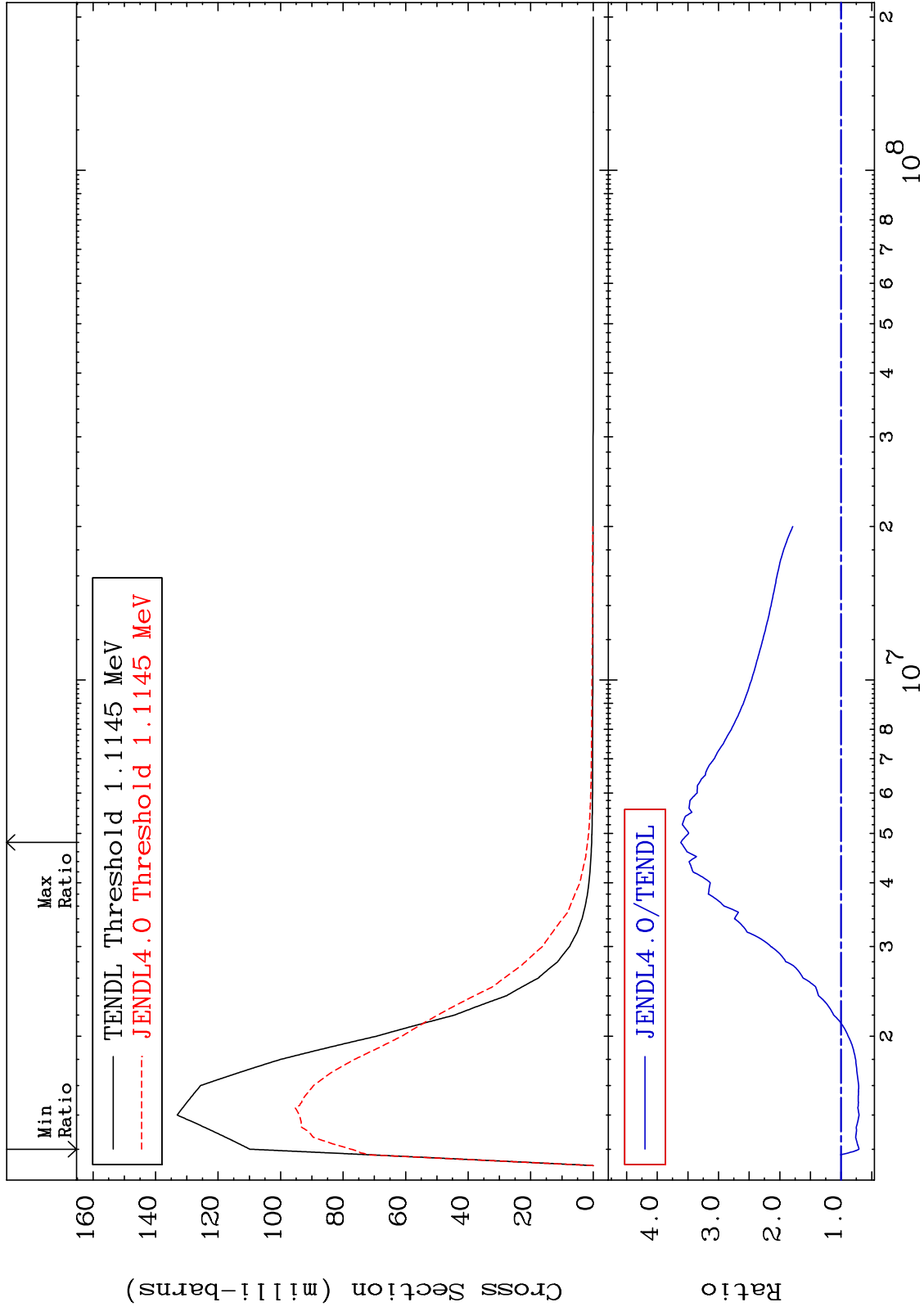
62-Sm-147  
-31.61 To 329.6 %



MAT 6234

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

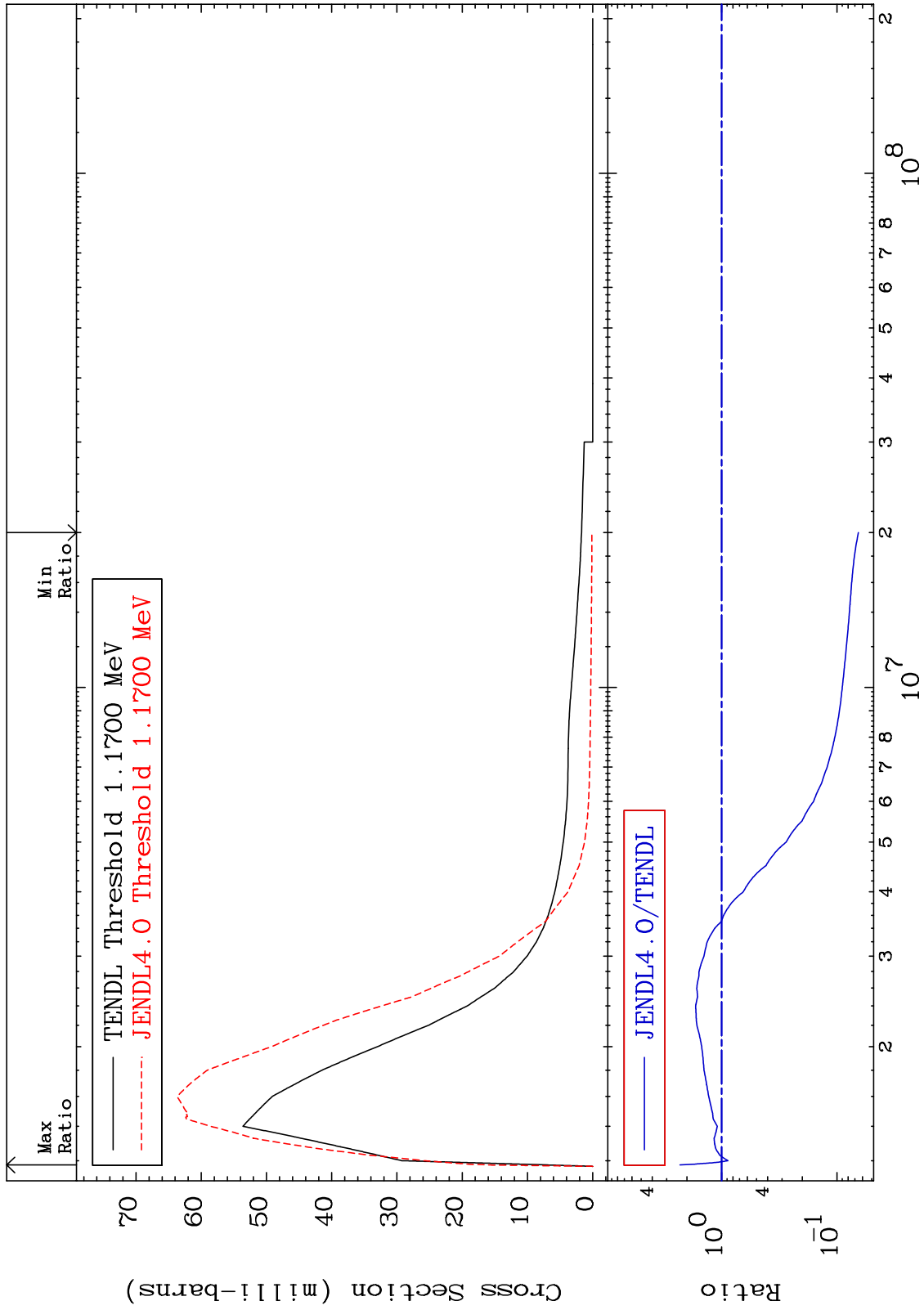
62-Sm-147  
-29.54 To 261.9 %



MAT 6234

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

62-Sm-147  
-93.48 To 129.8 %

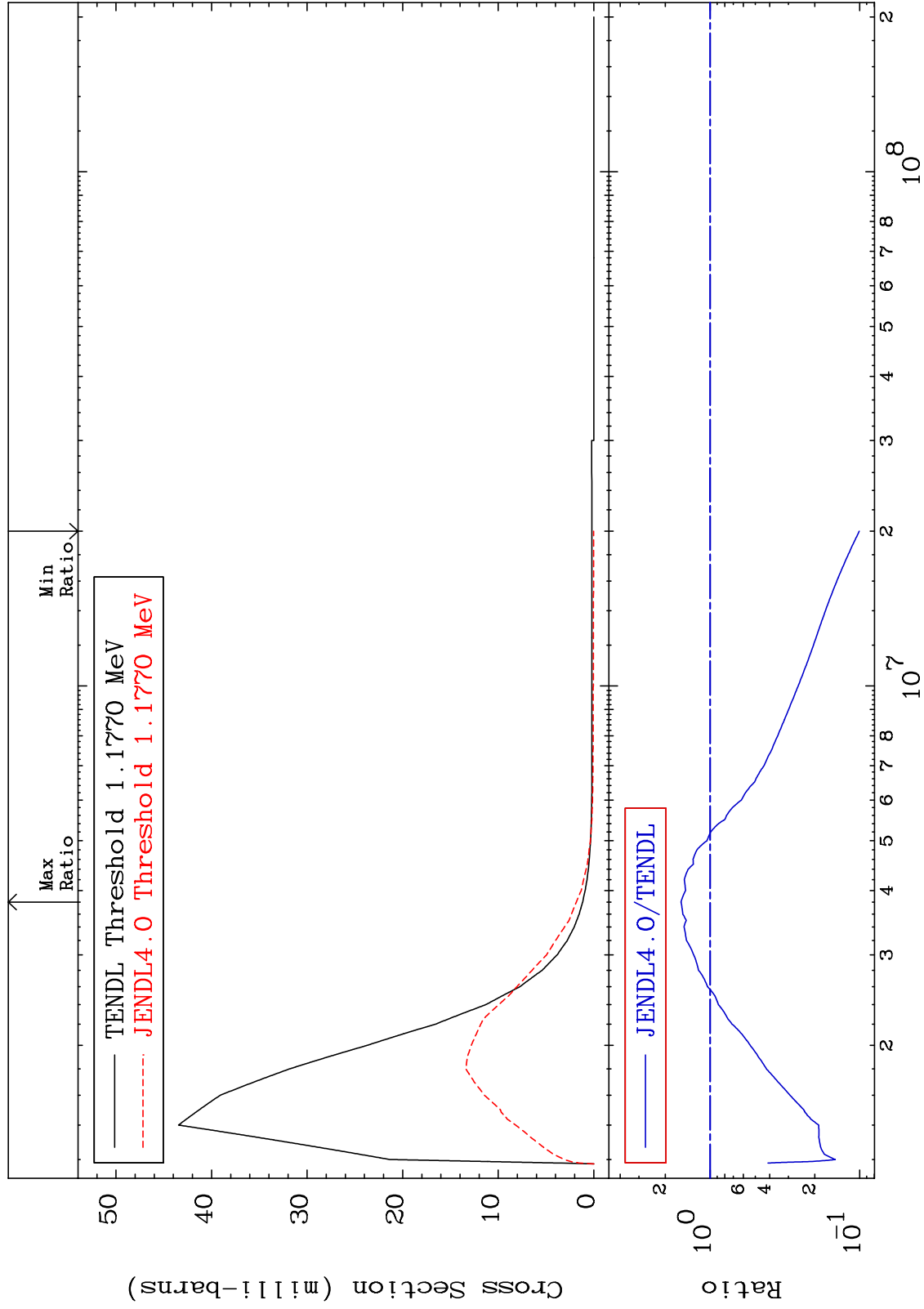




MAT 6234

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

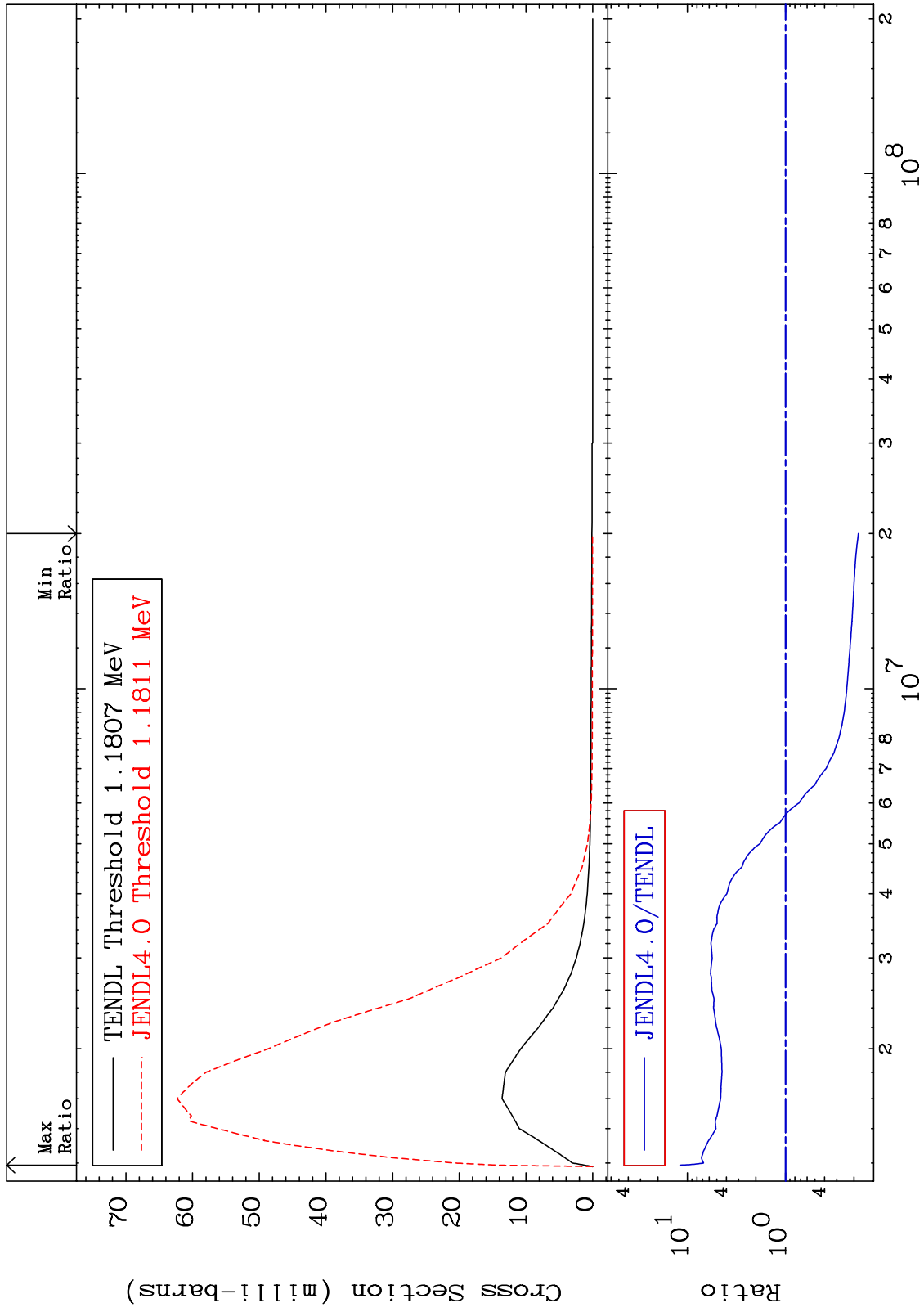
62-Sm-147  
-89.93 To 56.66 %



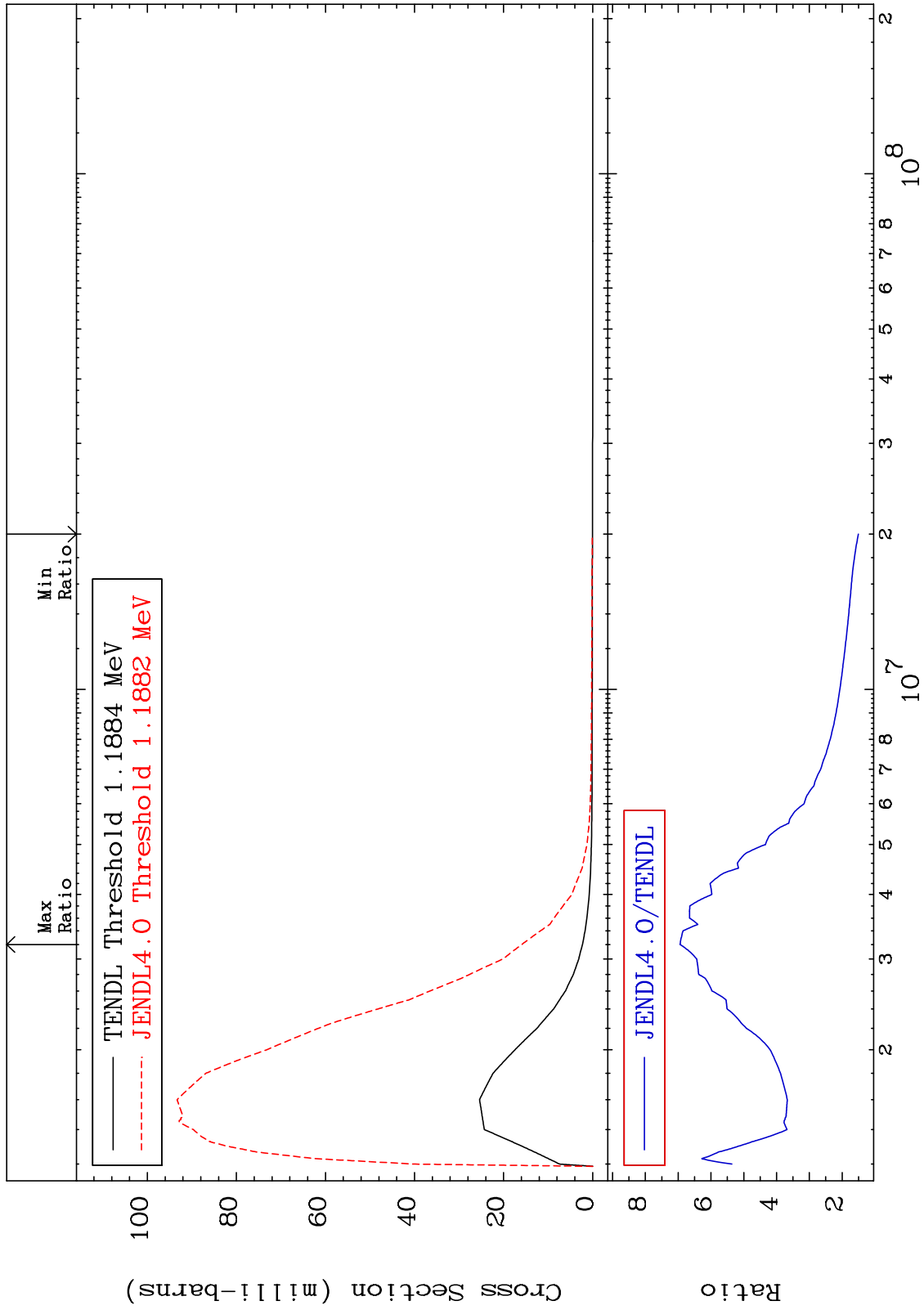
MAT 6234

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

62-Sm-147  
-81.96 To 1088. %



MAT 6234 MT= 73 (n,n') Level Cross Section 62-Sm-147 To 594.4 %



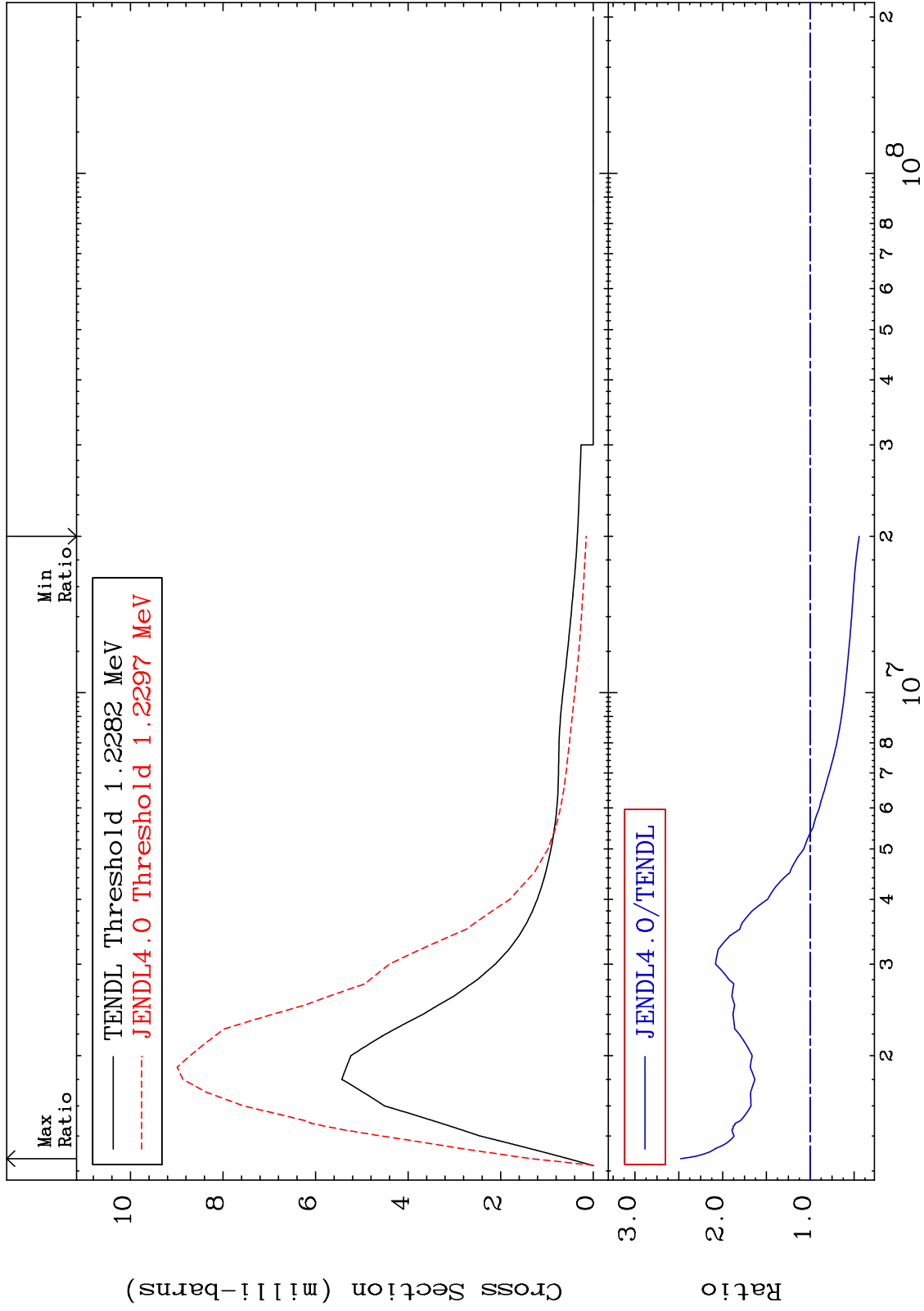
62-Sm-147

Incident Energy (eV)

MAT 6234

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

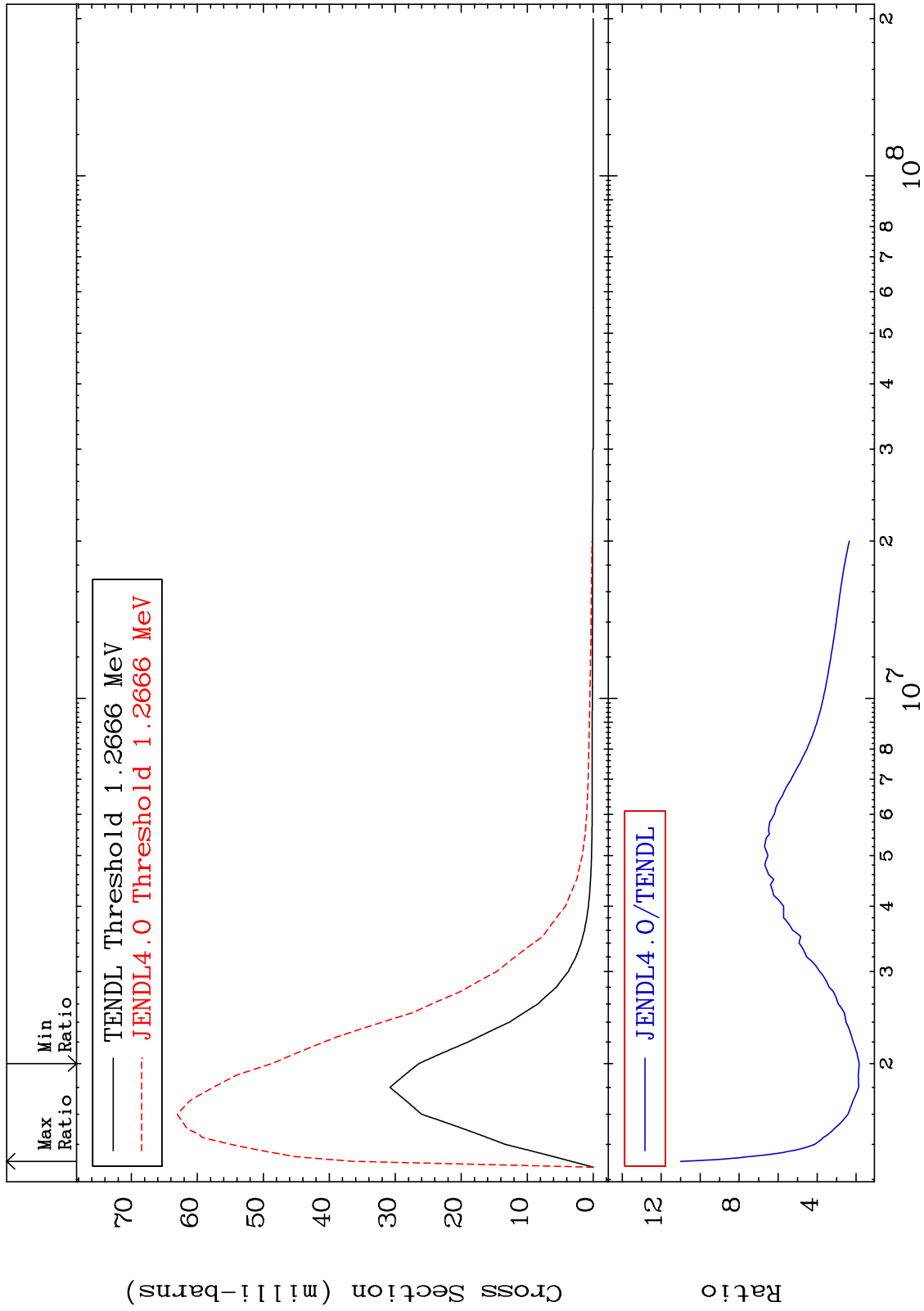
62-Sm-147  
-55.83 To 148.0 %



MAT 6234

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

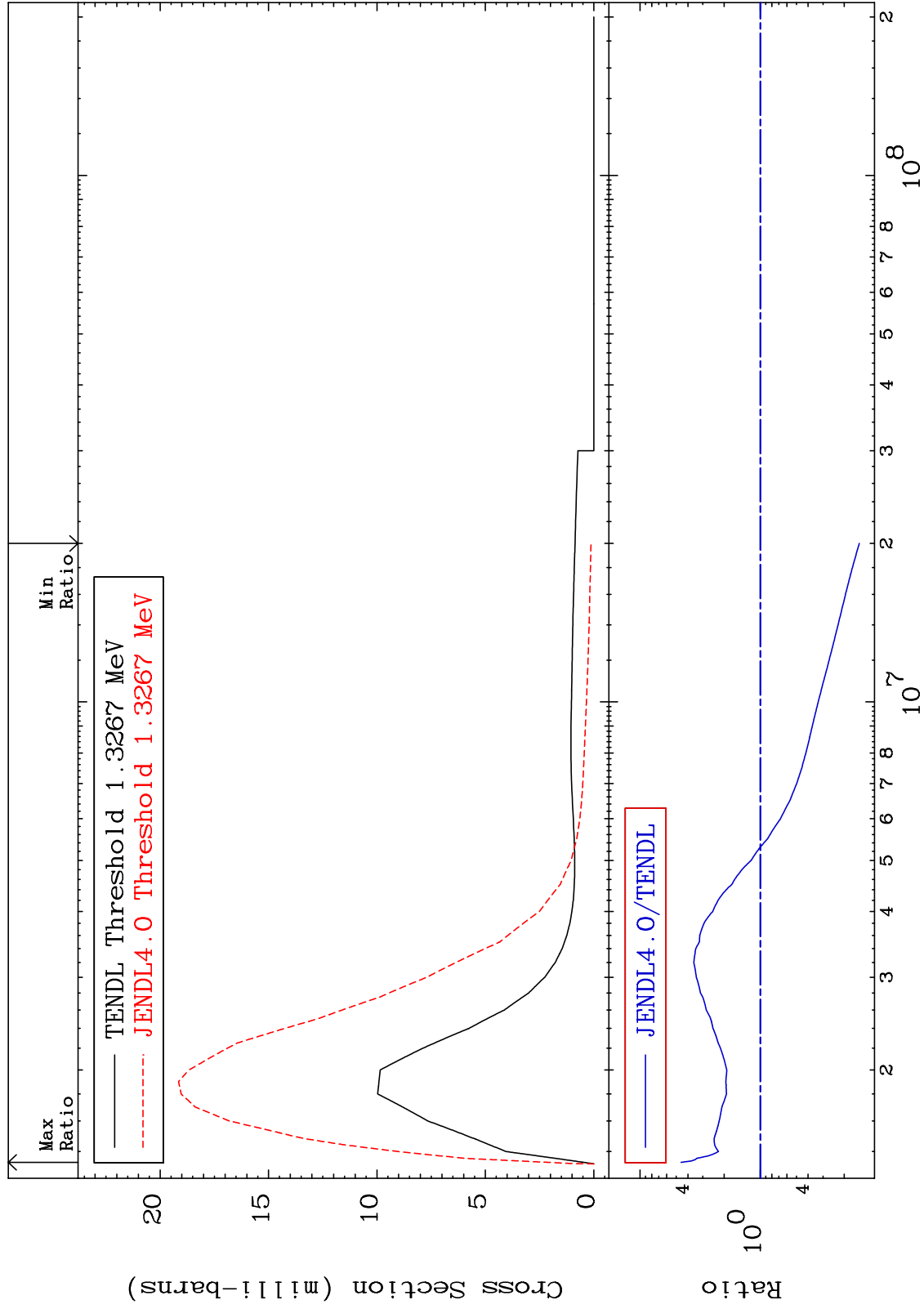
62-Sm-147  
84.40 To 1000. %



MAT 6234

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

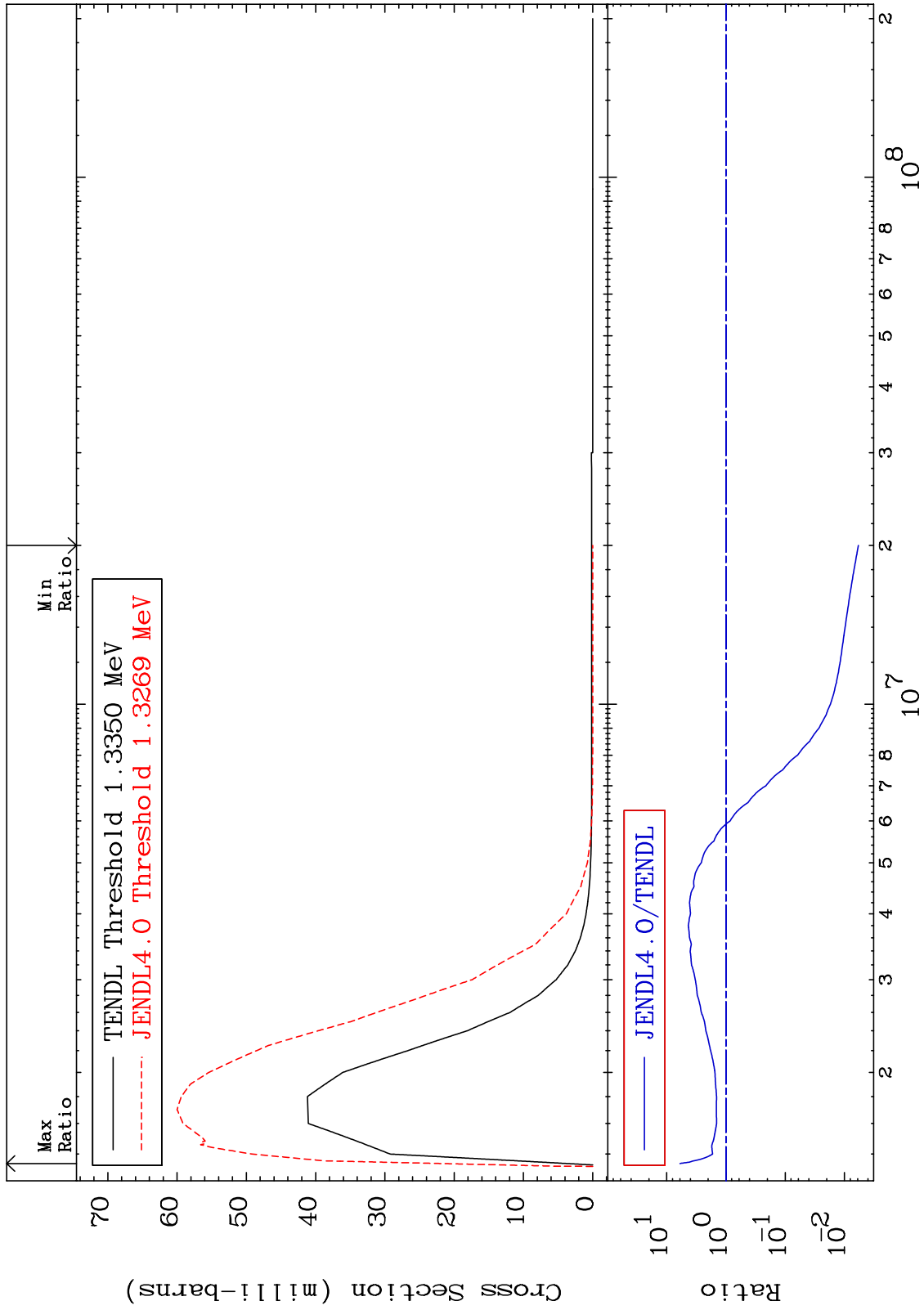
62-Sm-147  
-85.01 To 355.7 %



MAT 6234

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

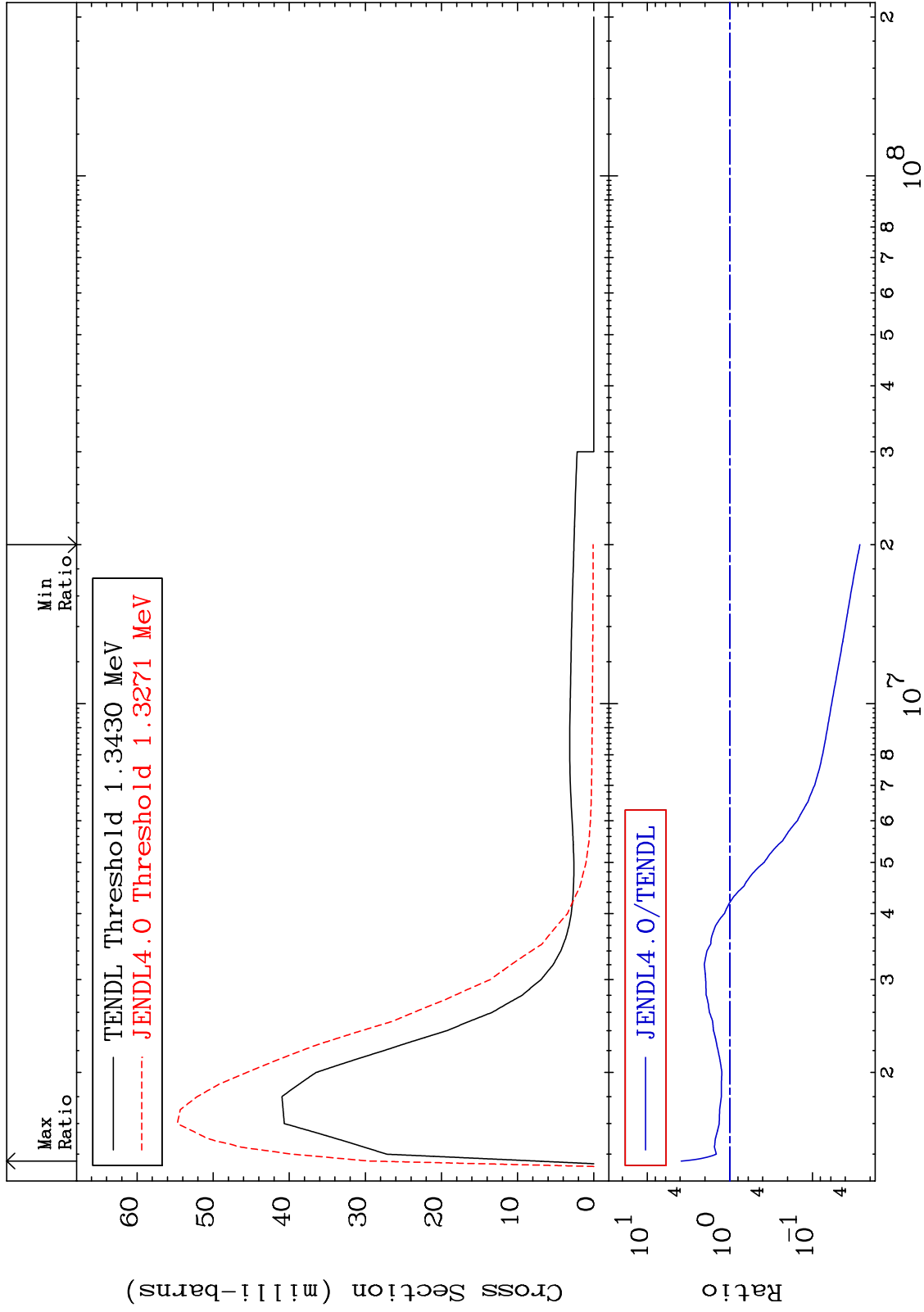
62-Sm-147  
-99.42 To 497.2 %



MAT 6234

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

62-Sm-147  
-97.34 To 288.4 %

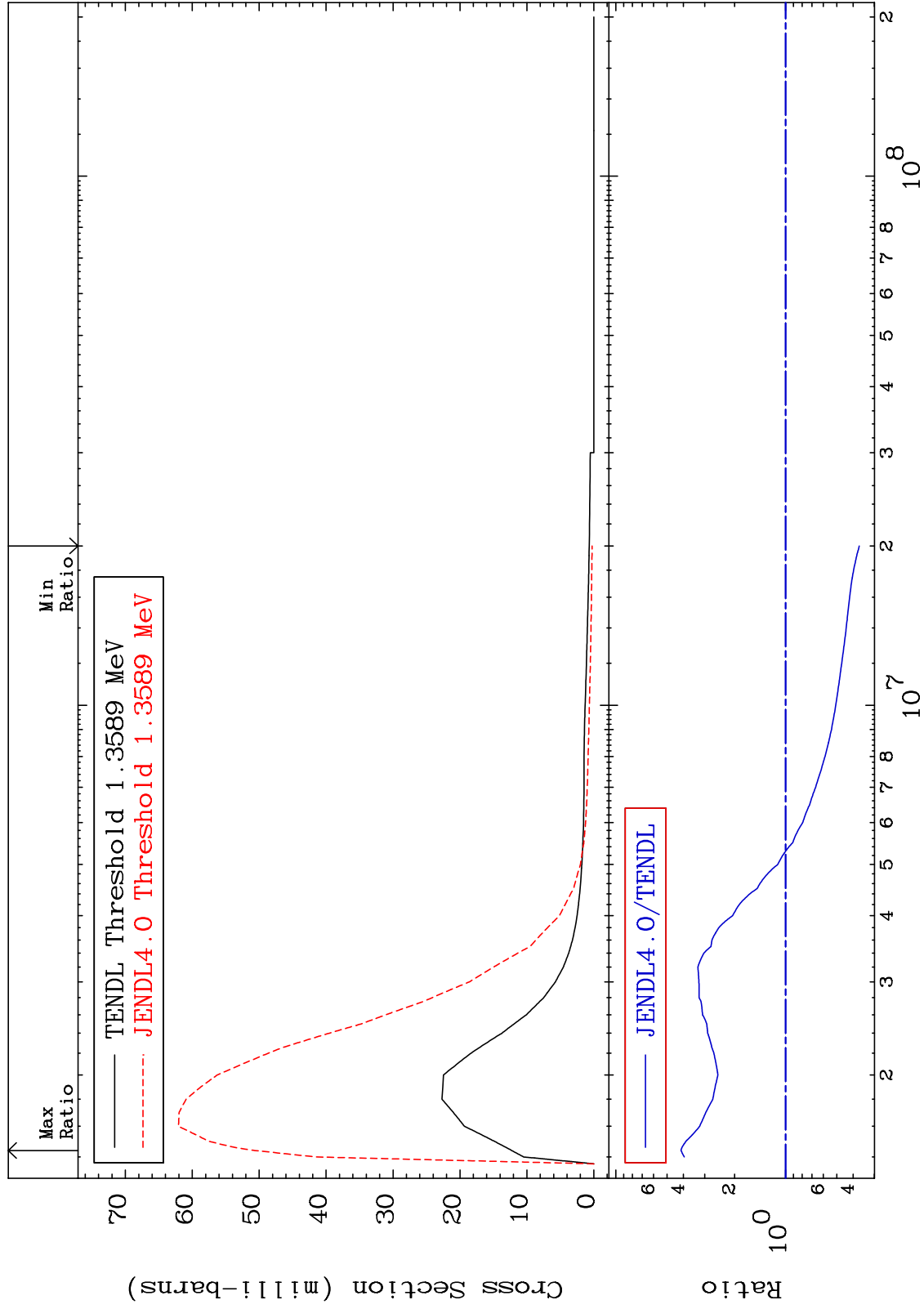




MAT 6234

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

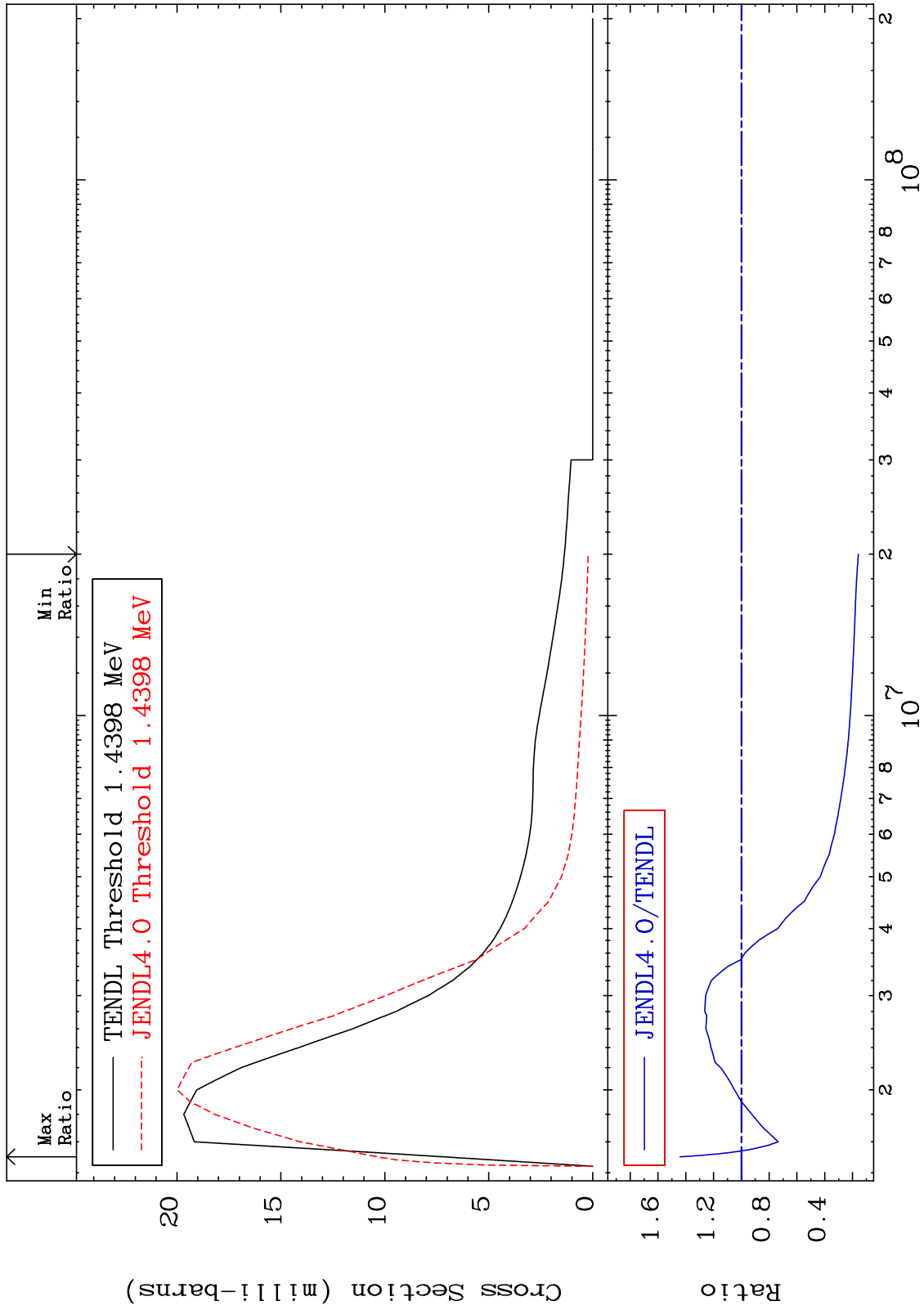
62-Sm-147  
-63.20 To 313.2 %



MAT 6234

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

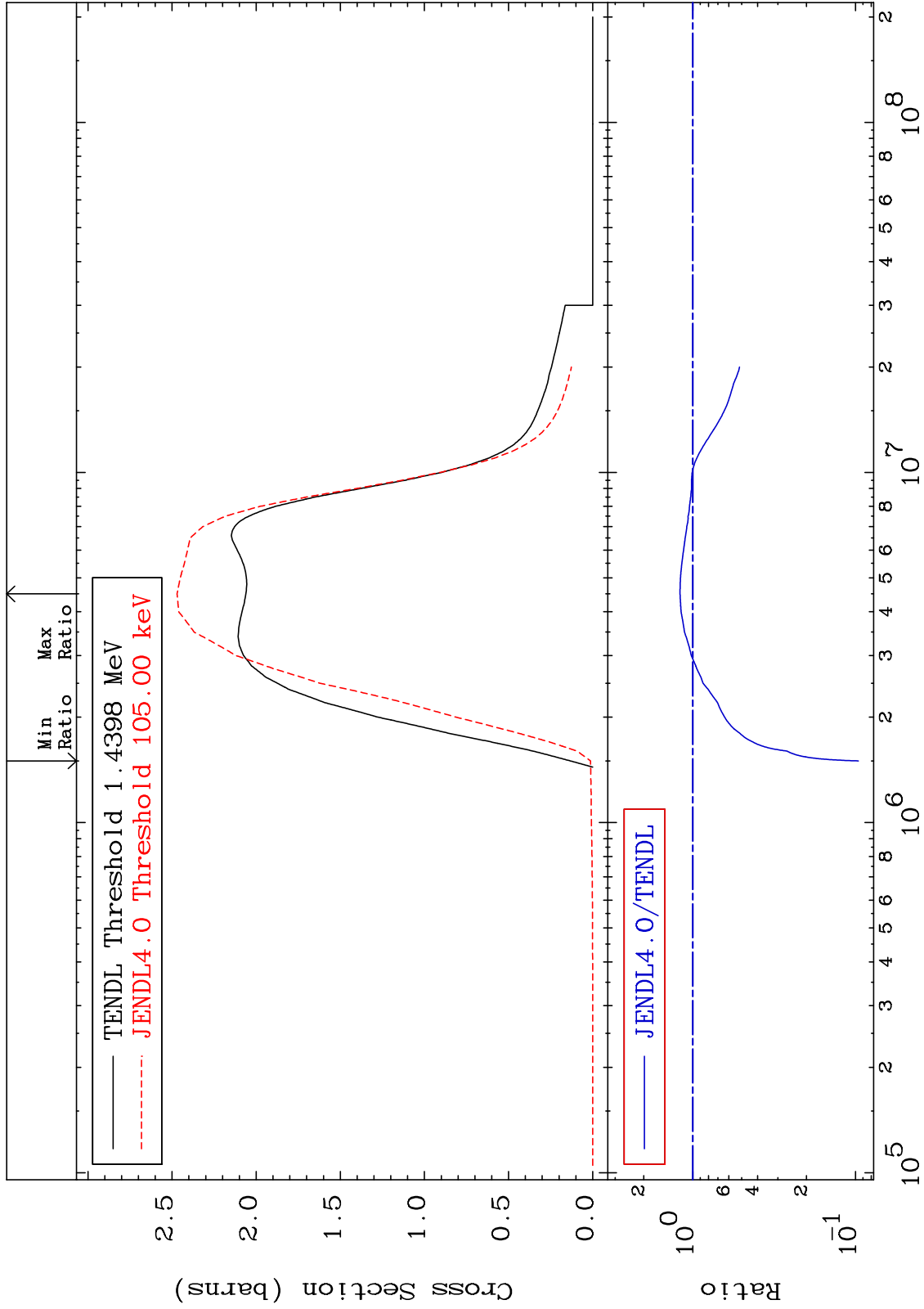
62-Sm-147  
-84.23 To 44.14 %



MAT 6234

(n, n') Continuum  
Cross Section

62-Sm-147  
-90.41 To 19.84 %



Incident Energy (eV)

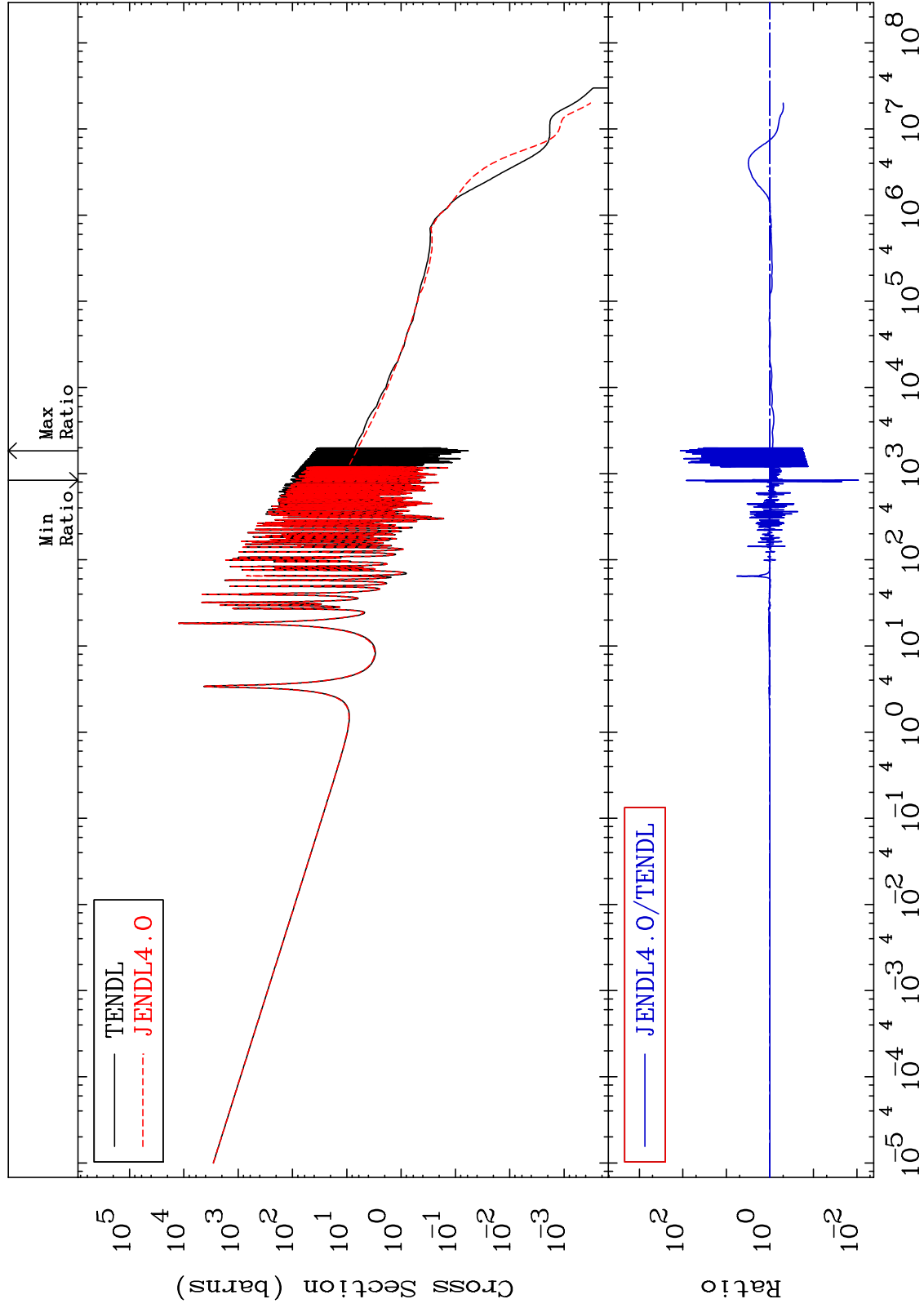
62-Sm-147

42

MAT 6234

(n,  $\gamma$ )  
Cross Section

62-Sm-147  
-99.08 To 9999. %



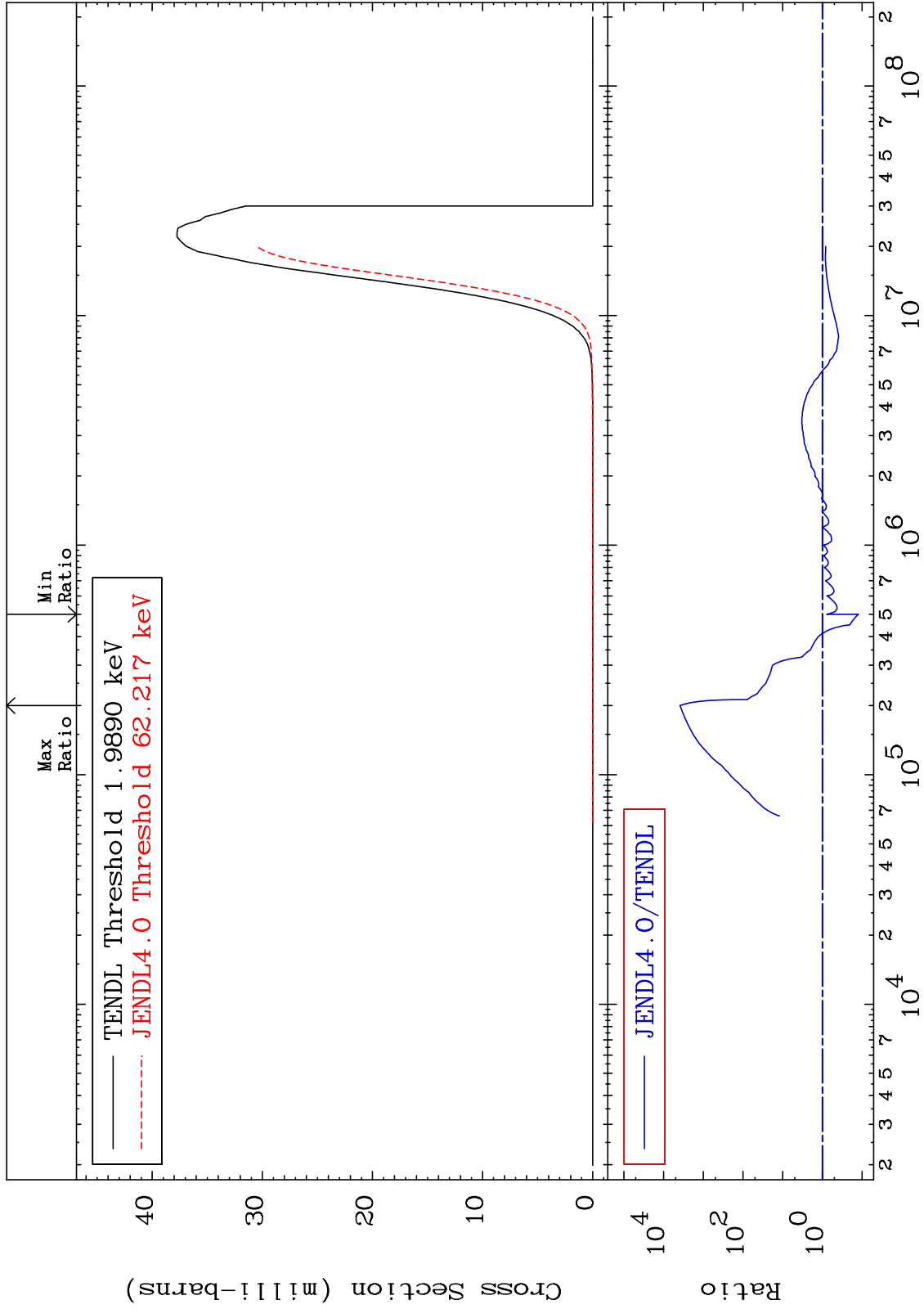
62-Sm-147

Incident Energy (eV)

43

MAT 6234

(n, p) Cross Section  
62-Sm-147  
-87.60 To 9999. %



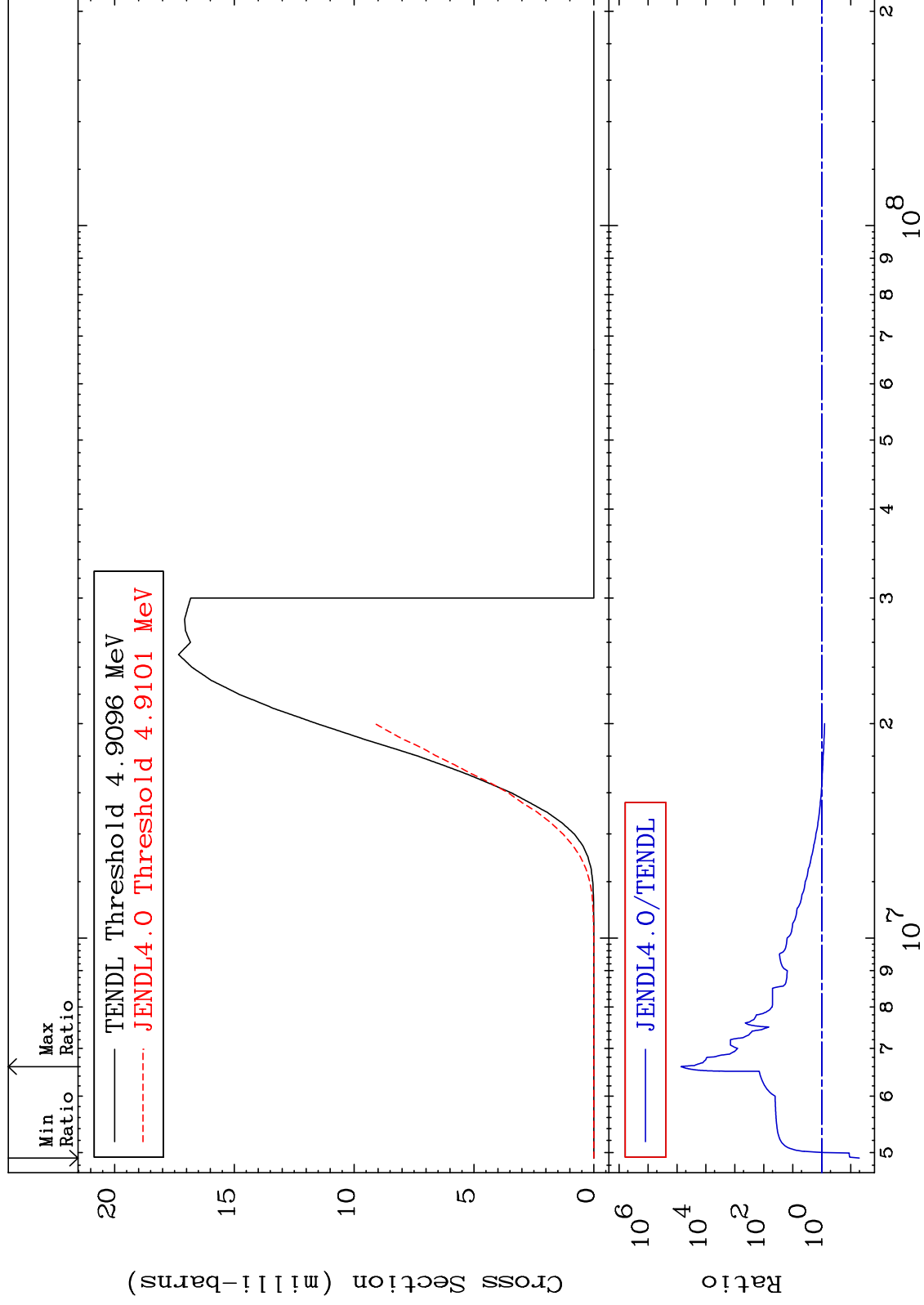
MAT 6234

(n, d)

62-Sm-147

Cross Section

-94.97 To 9999. %



45

Incident Energy (eV)

62-Sm-147

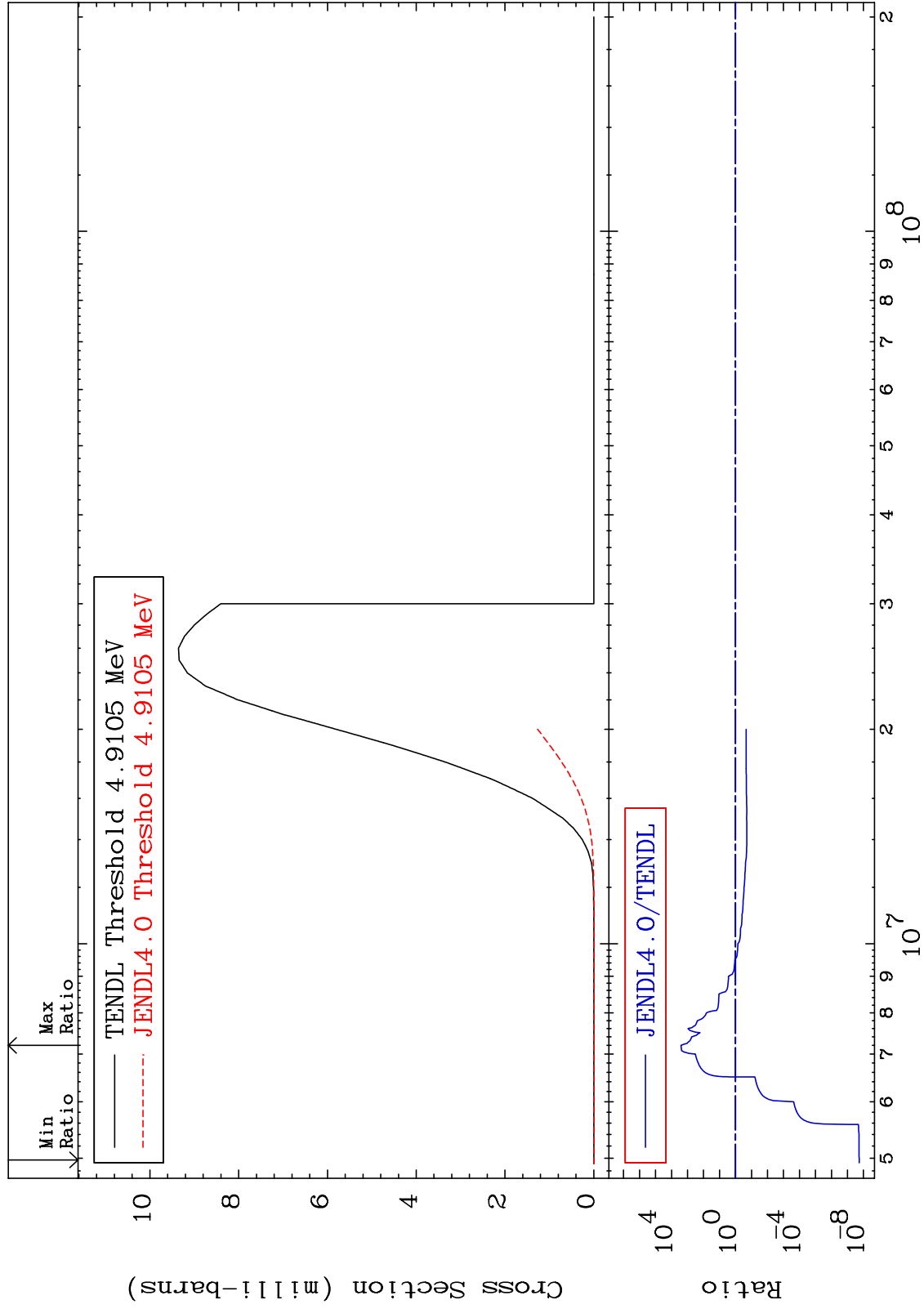
MAT 6234

(n, t)

62-Sm-147

Cross Section

-100.0 To 9999. %



46

Incident Energy (eV)

62-Sm-147

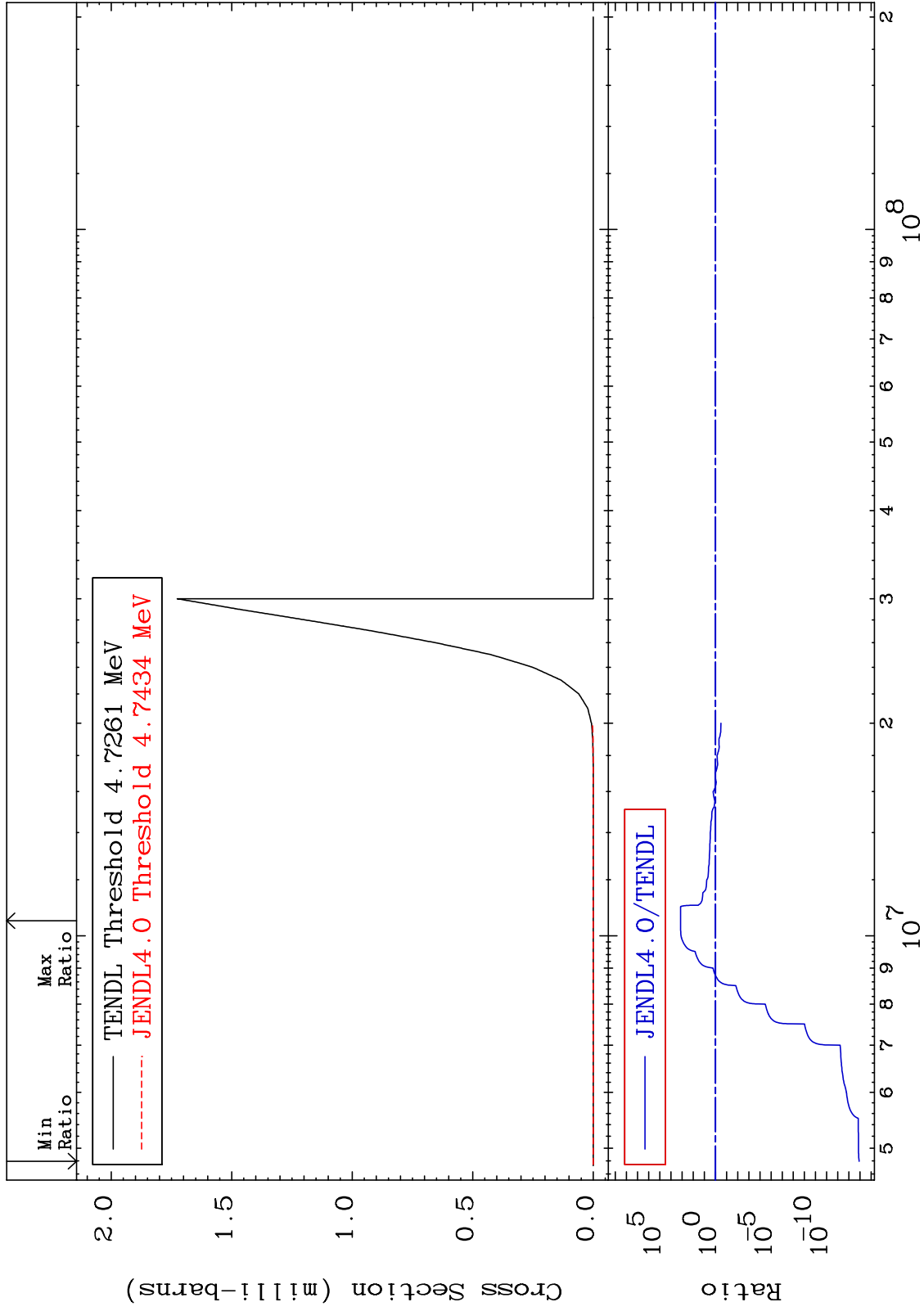
MAT 6234

(n, He-3)

62-Sm-147

Cross Section

-100.0 To 9999. %

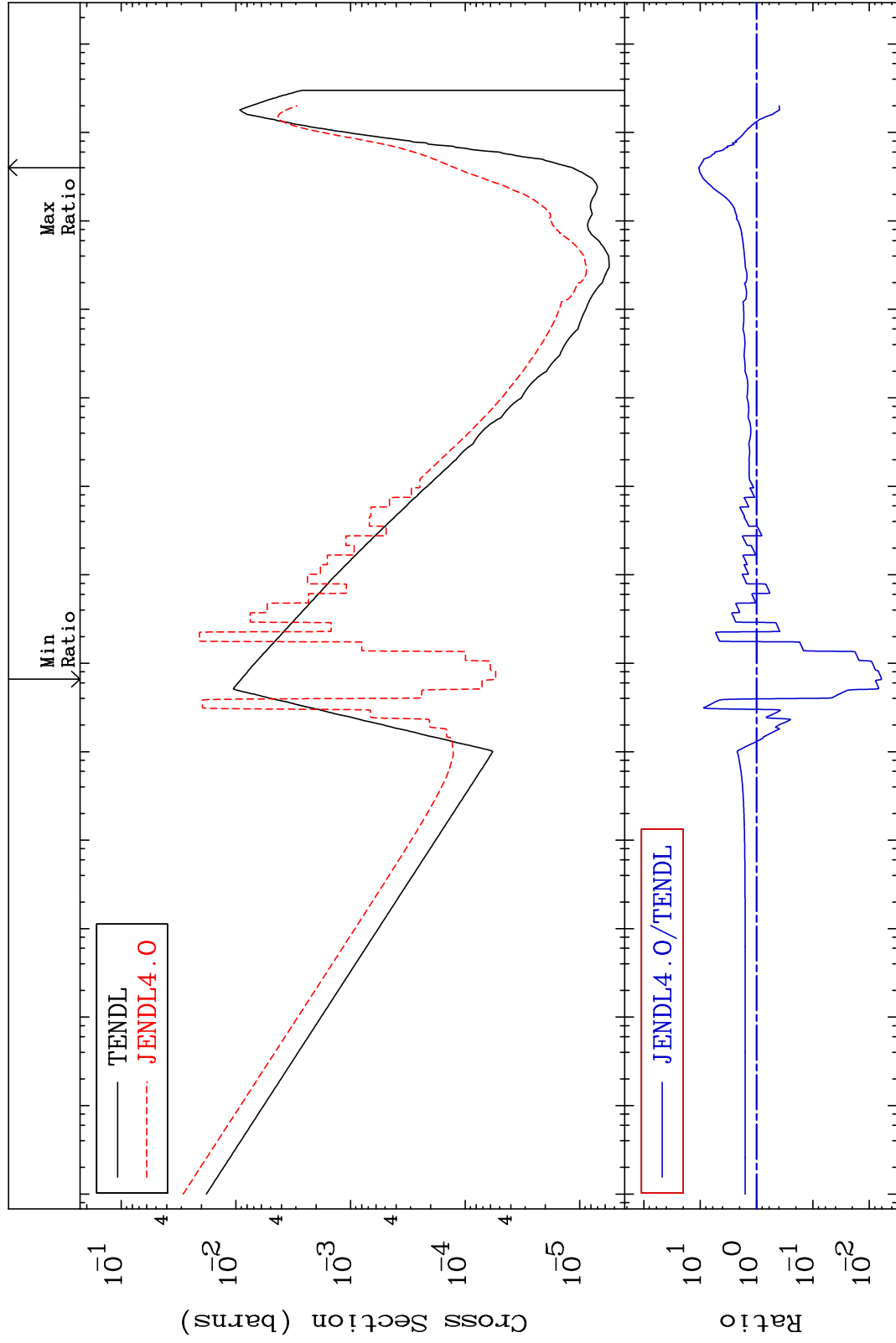




MAT 6234

(n,  $\alpha$ )  
Cross Section

62-Sm-147  
-99.39 To 963.8 %



48

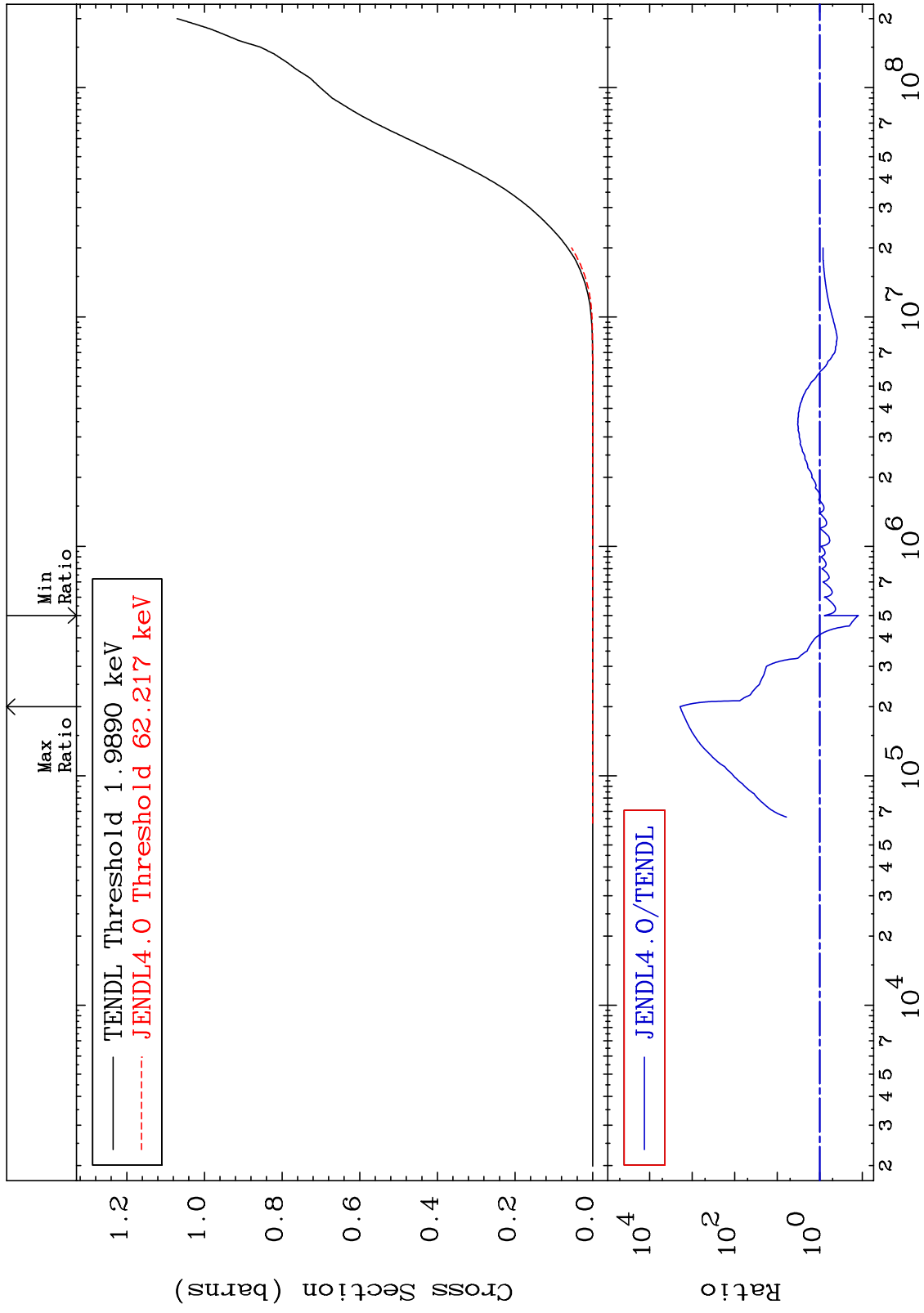
Incident Energy (eV)

62-Sm-147

MAT 6234

Hydrogen Production  
Cross Section

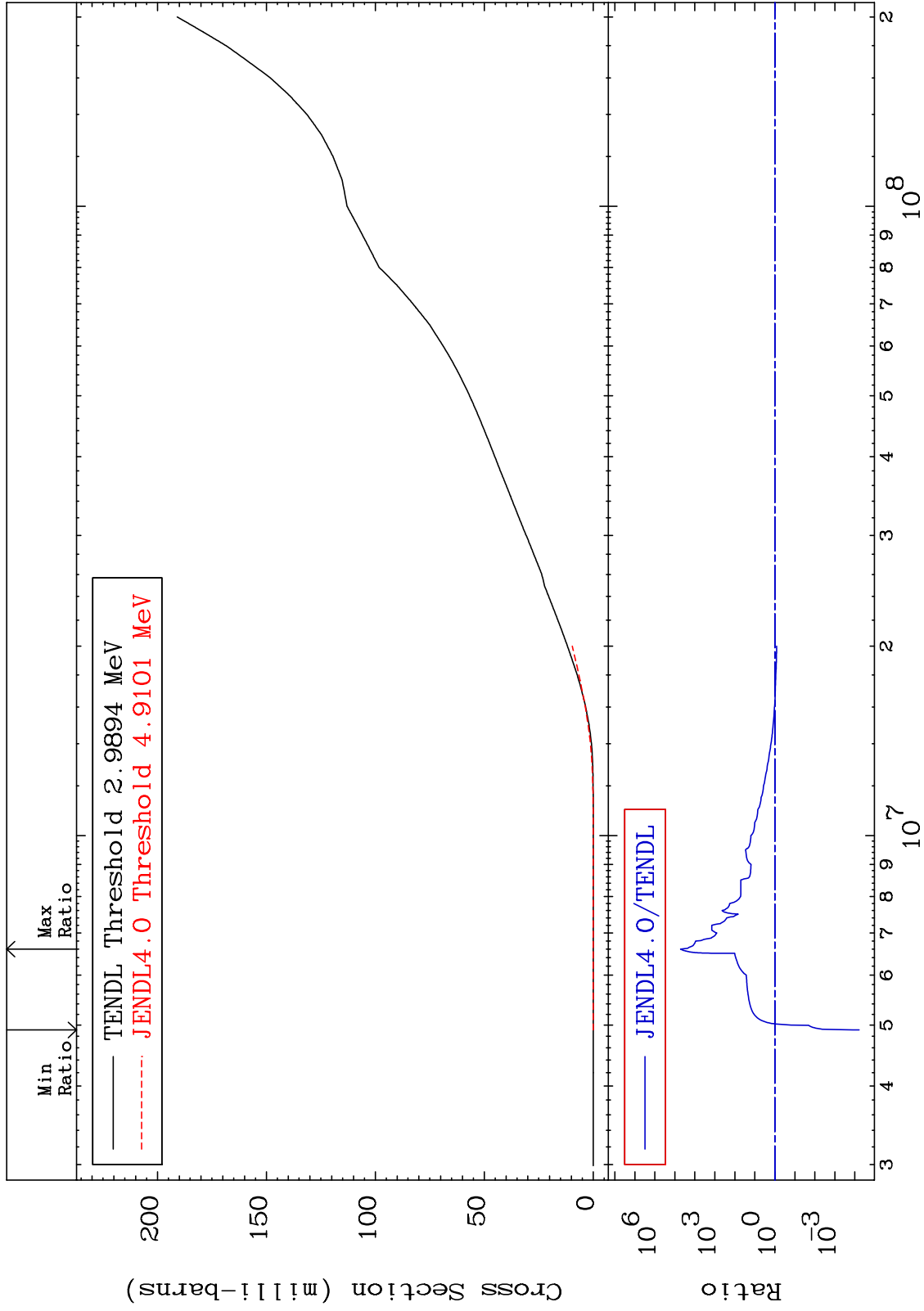
62-Sm-147  
-87.60 To 9999. %



MAT 6234

Deuterium Production  
Cross Section

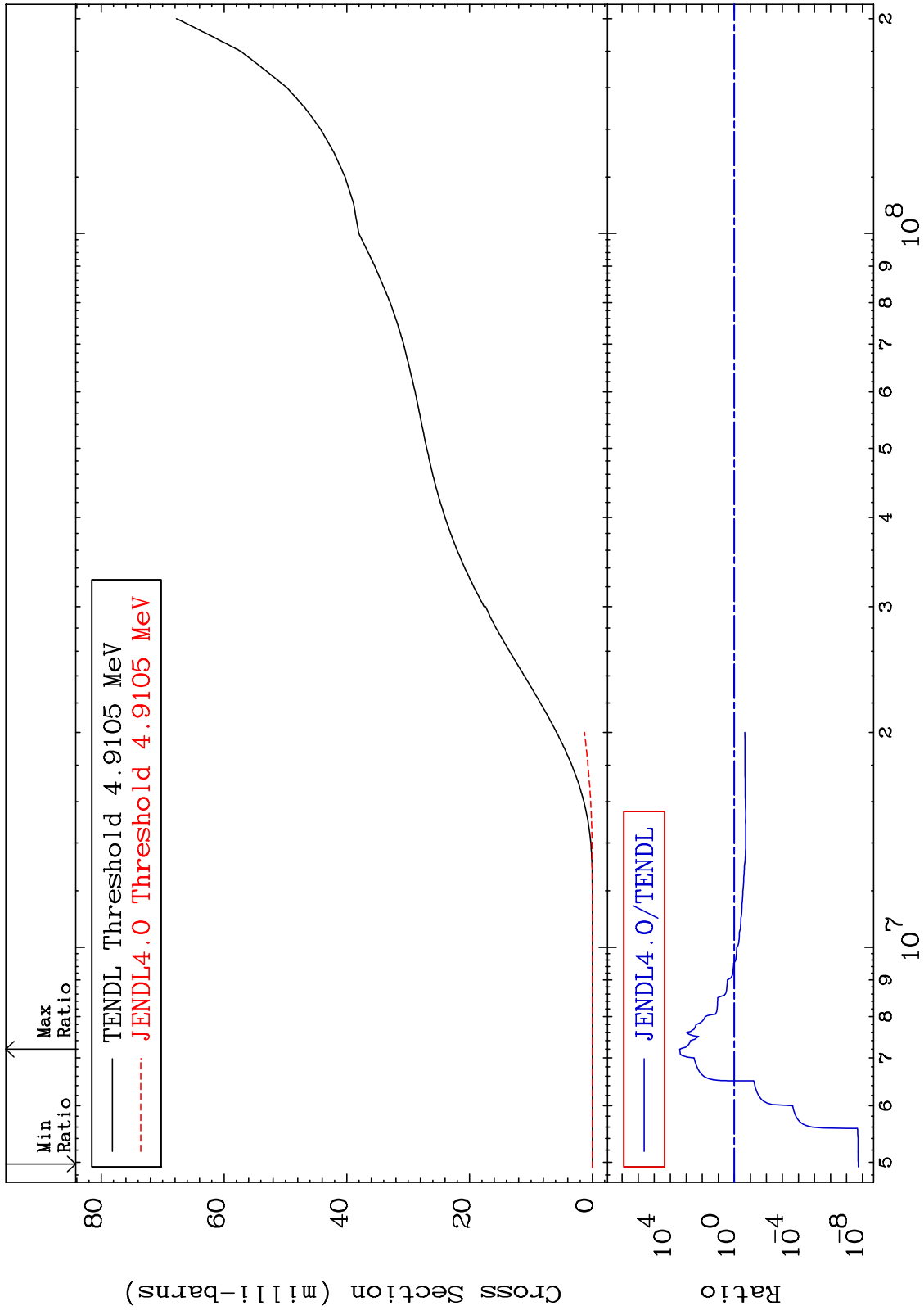
62-Sm-147  
-99.99 To 9999. %



MAT 6234

Tritium Production  
Cross Section

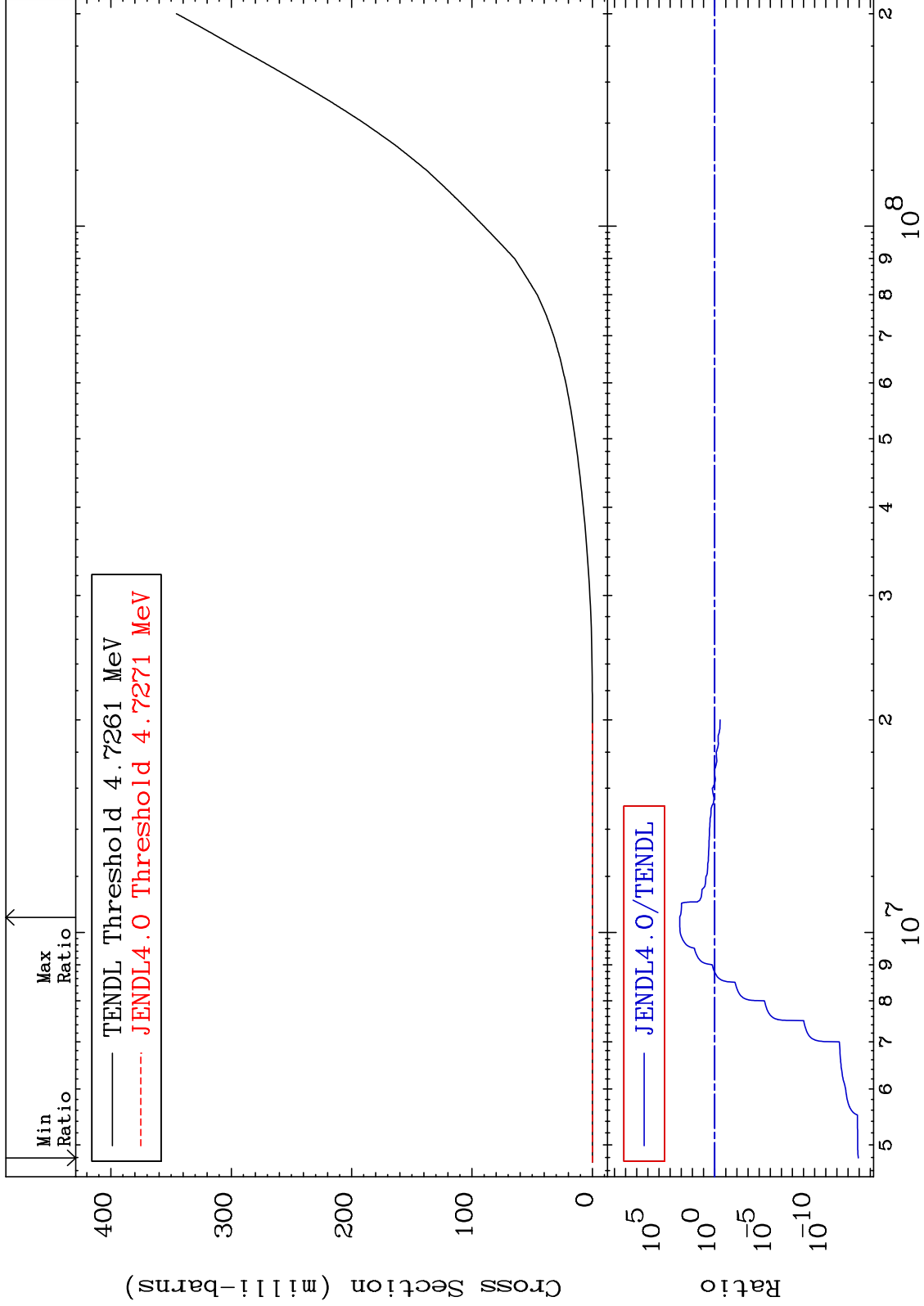
62-Sm-147  
-100.0 To 9999. %



MAT 6234

He-3 Production  
Cross Section

62-Sm-147  
-100.0 To 9999. %



52

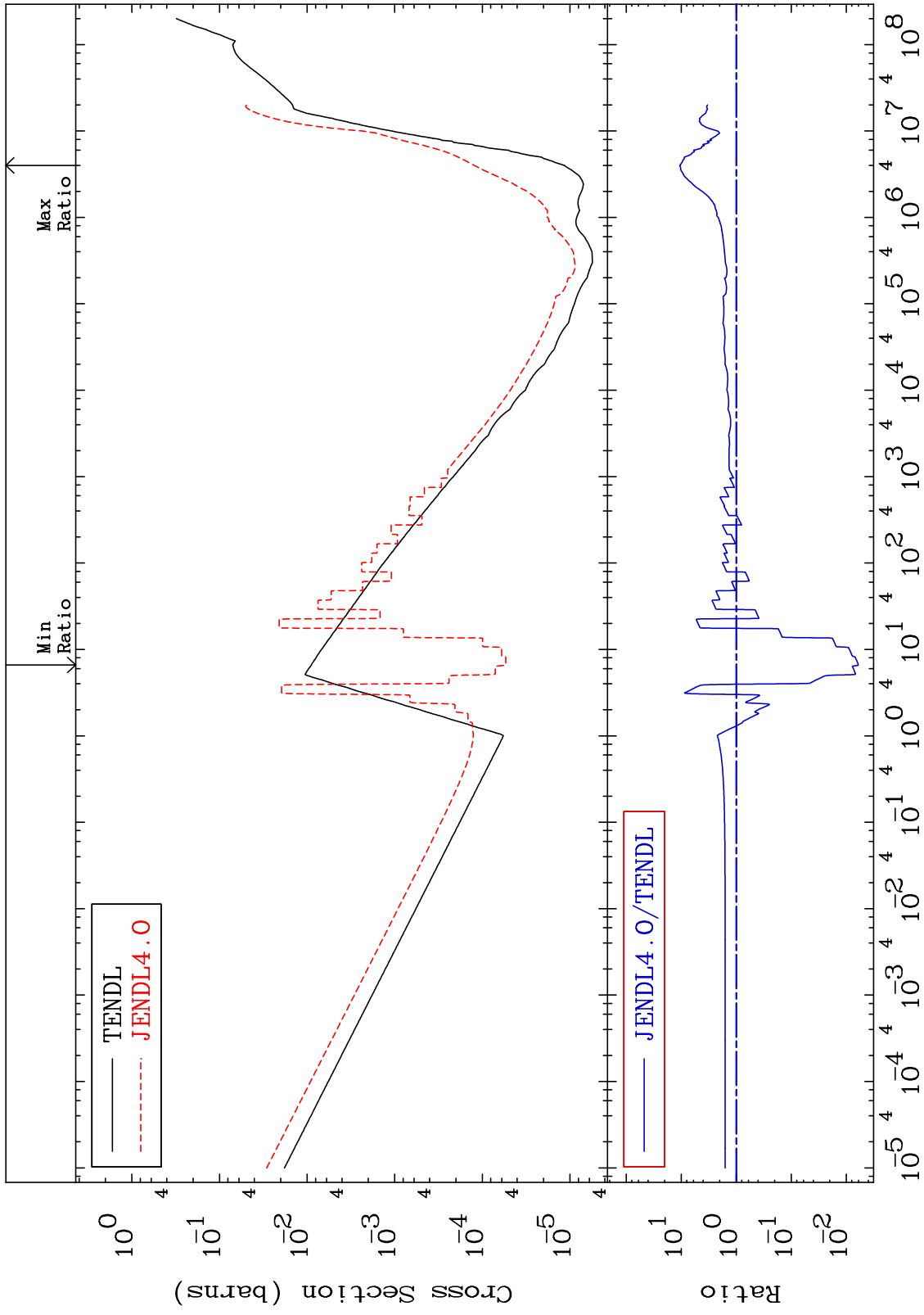
Incident Energy (eV)

62-Sm-147

MAT 6234

He-4 Production  
Cross Section

62-Sm-147  
-99.39 To 964.5 %



53

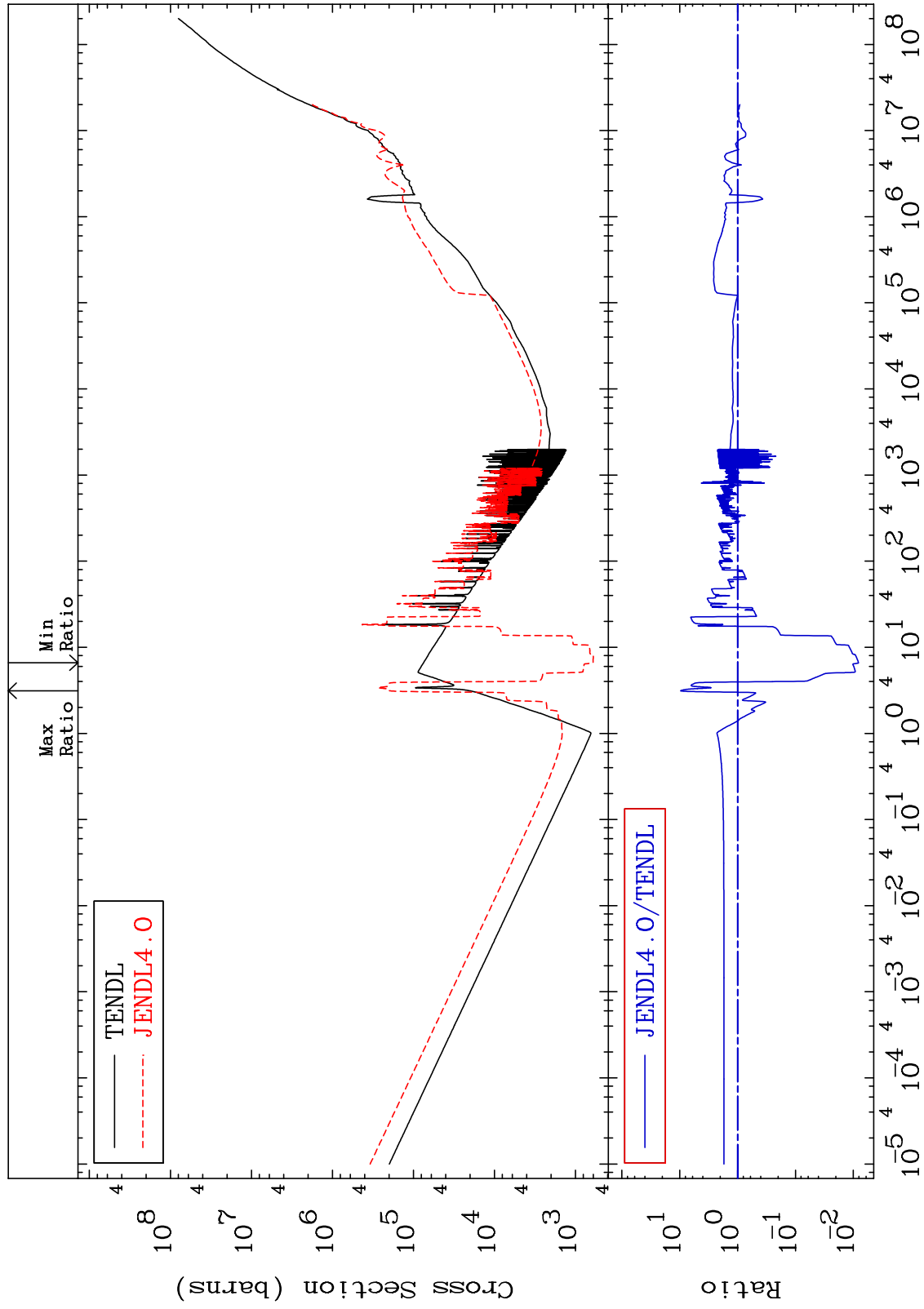
Incident Energy (eV)

62-Sm-147

MAT 6234

Kerma total (eV-barns)  
Cross Section

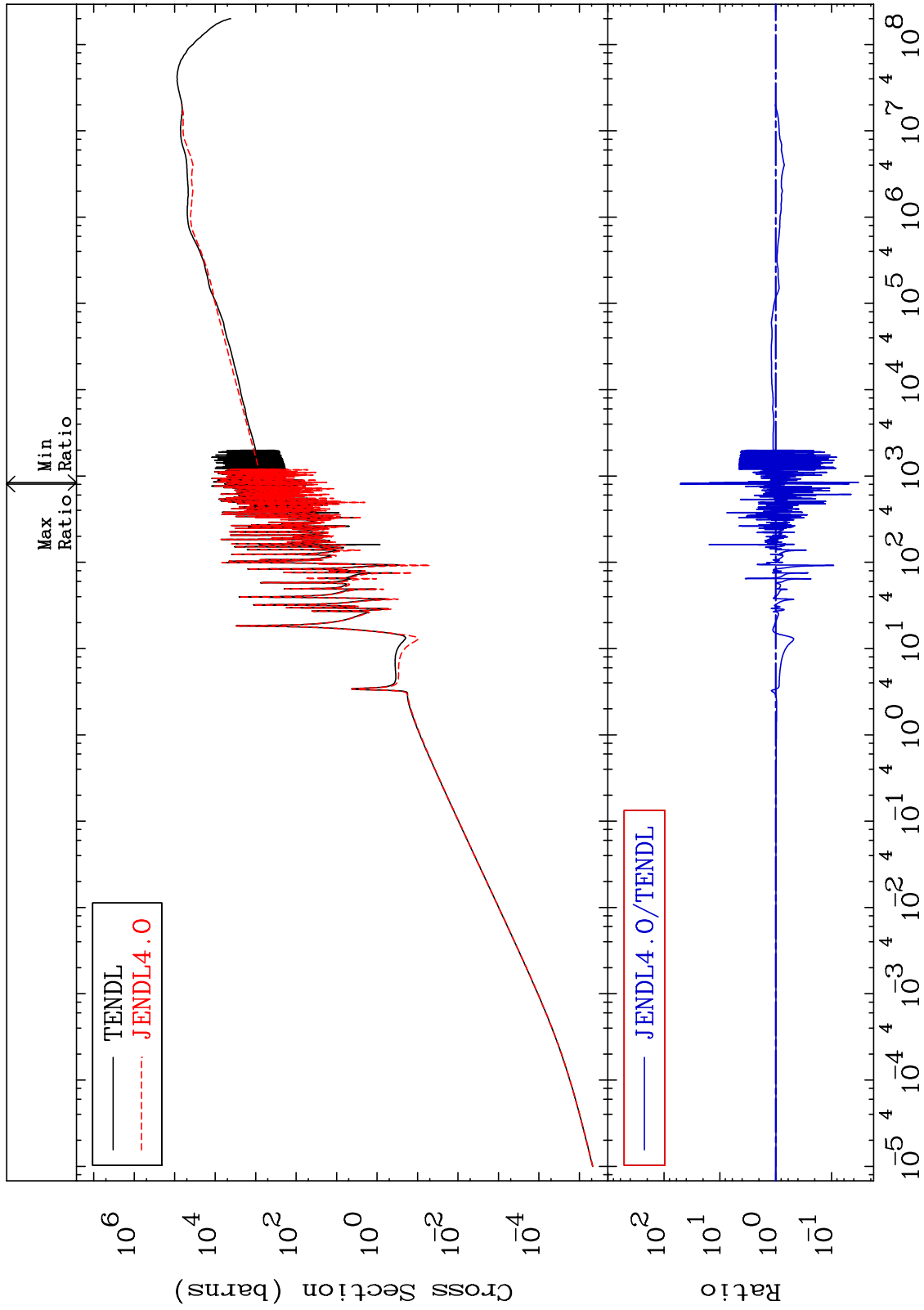
62-Sm-147  
-99.19 To 871.8 %



MAT 6234

Kerma elastic  
Cross Section

62-Sm-147  
-96.68 To 5062. %



55

Incident Energy (eV)

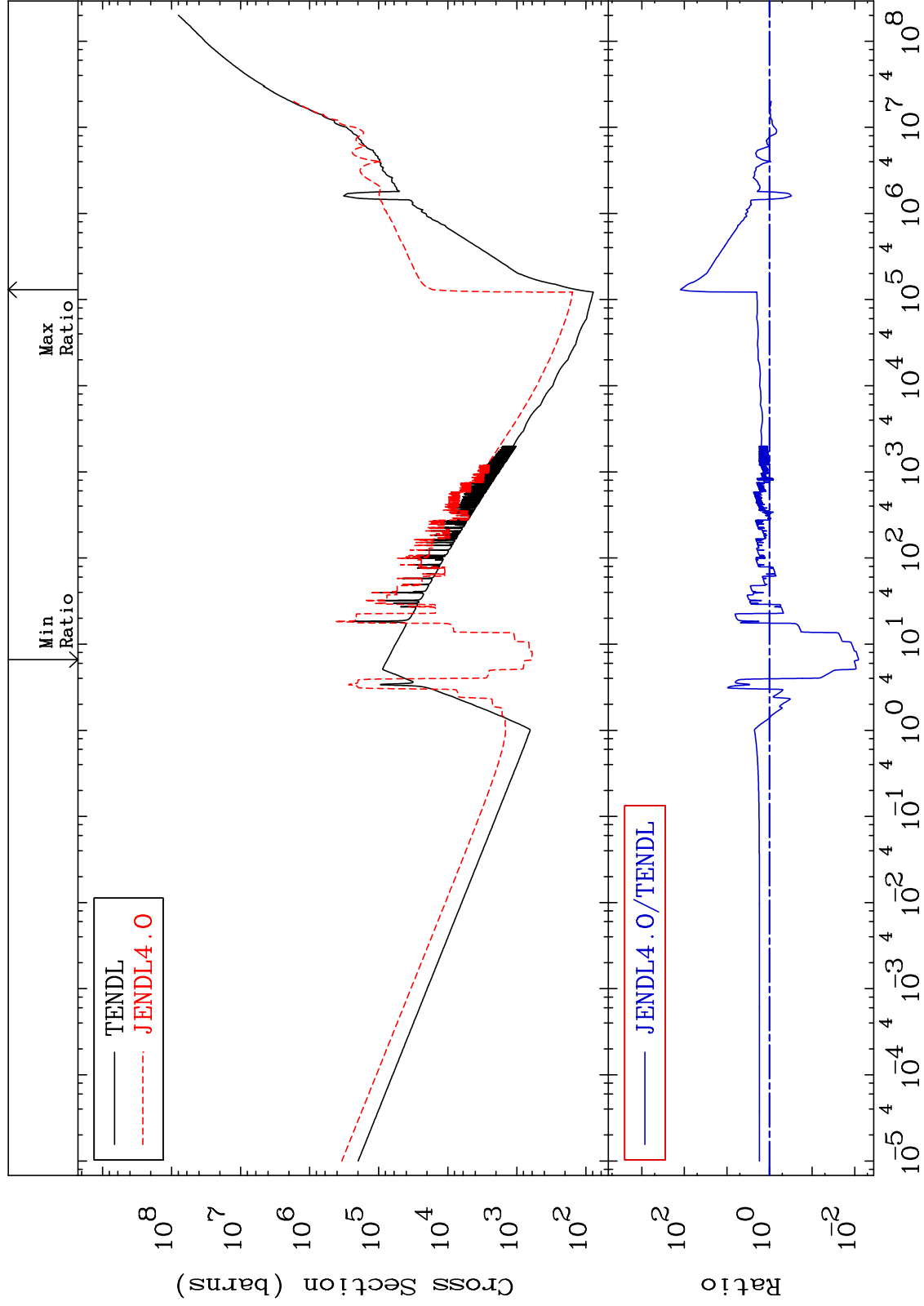
62-Sm-147



MAT 6234

Kerma non-elastic (all but mt2)  
Cross Section

62-Sm-147  
-99.19 To 9999. %



56

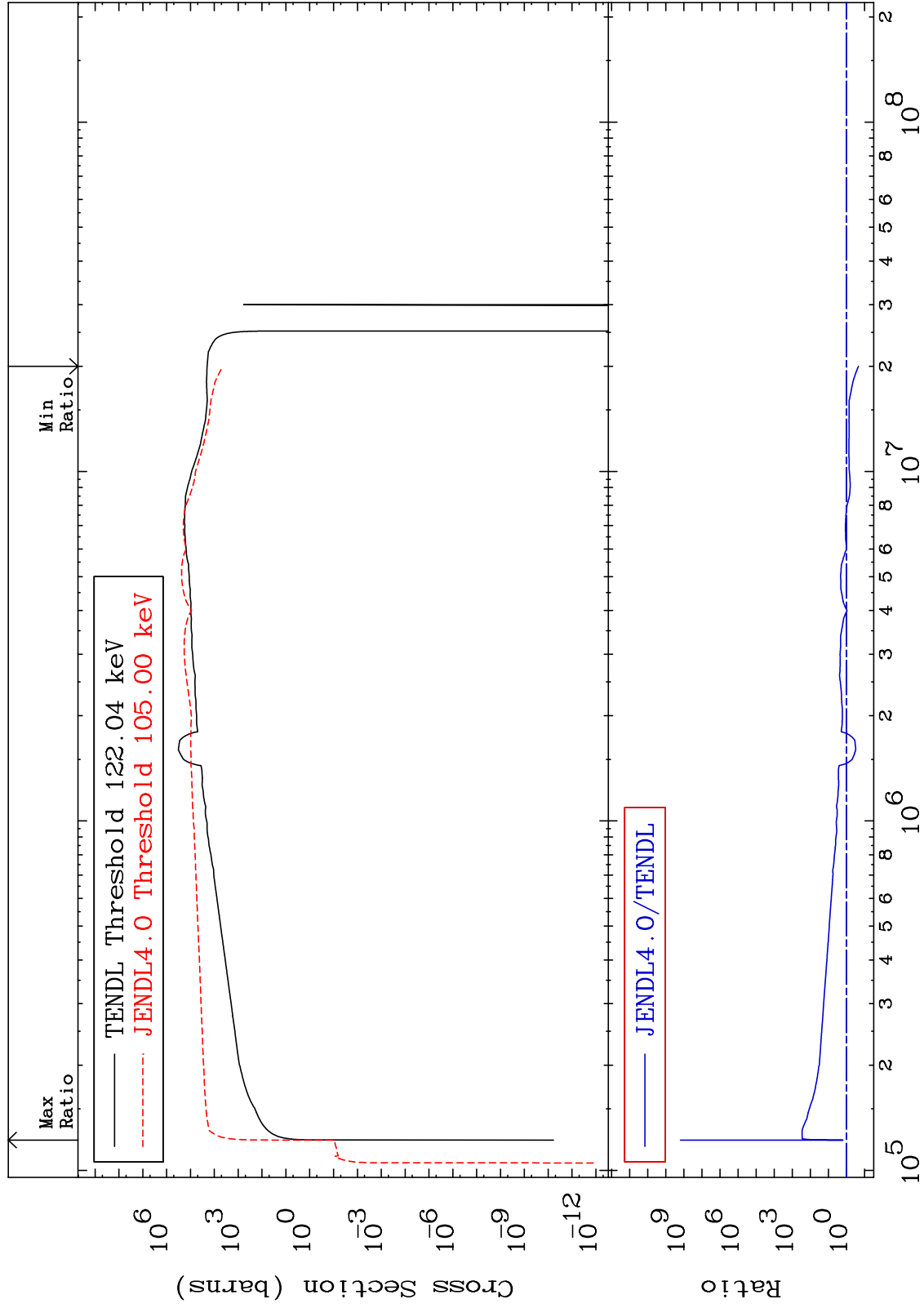
Incident Energy (eV)

62-Sm-147

MAT 6234

Kerma inelastic (mt51-91)  
Cross Section

62-Sm-147  
-78.59 To 9999. %



57

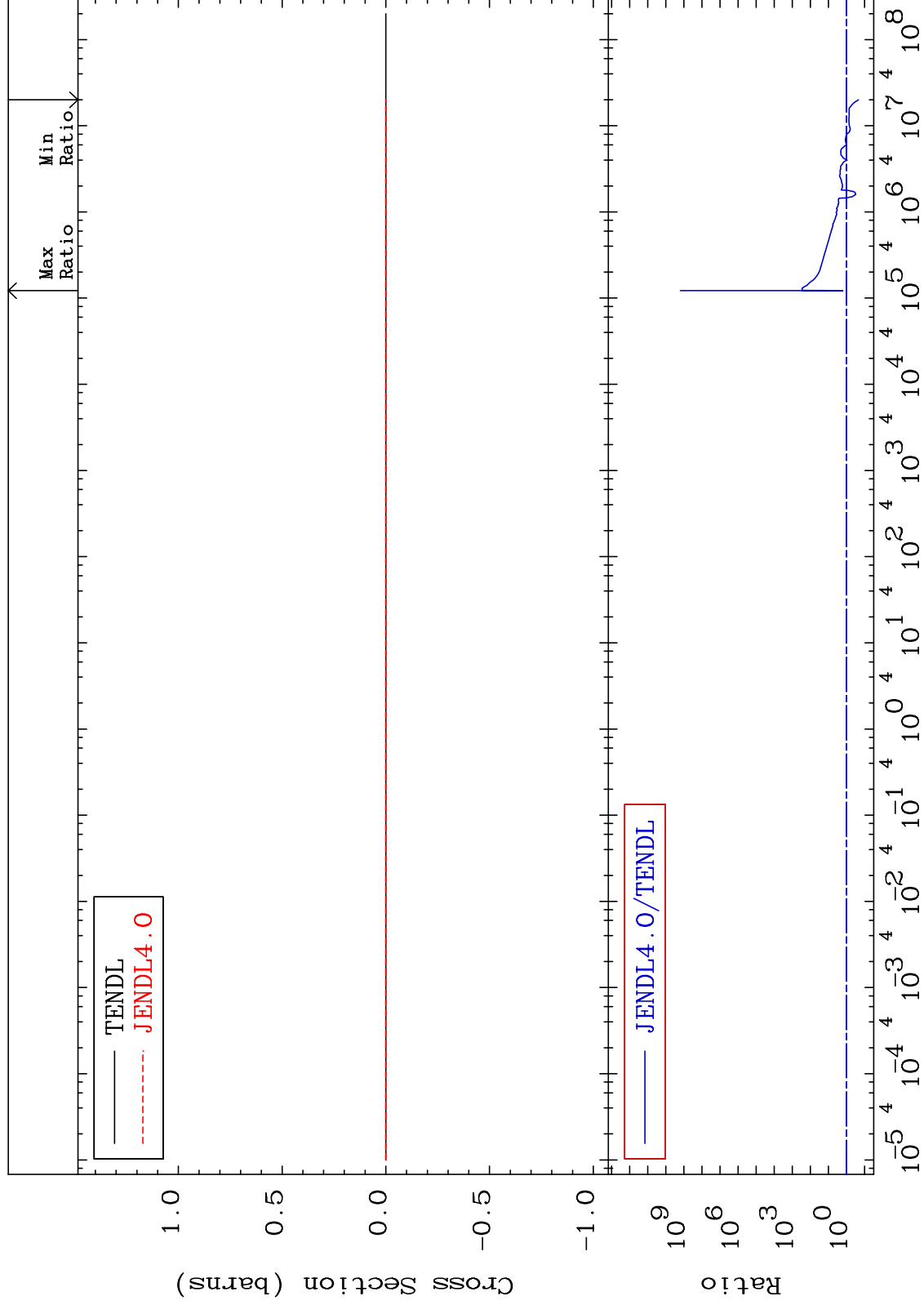
Incident Energy (eV)

62-Sm-147

MAT 6234

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

62-Sm-147  
-78.59 To 9999. %



58

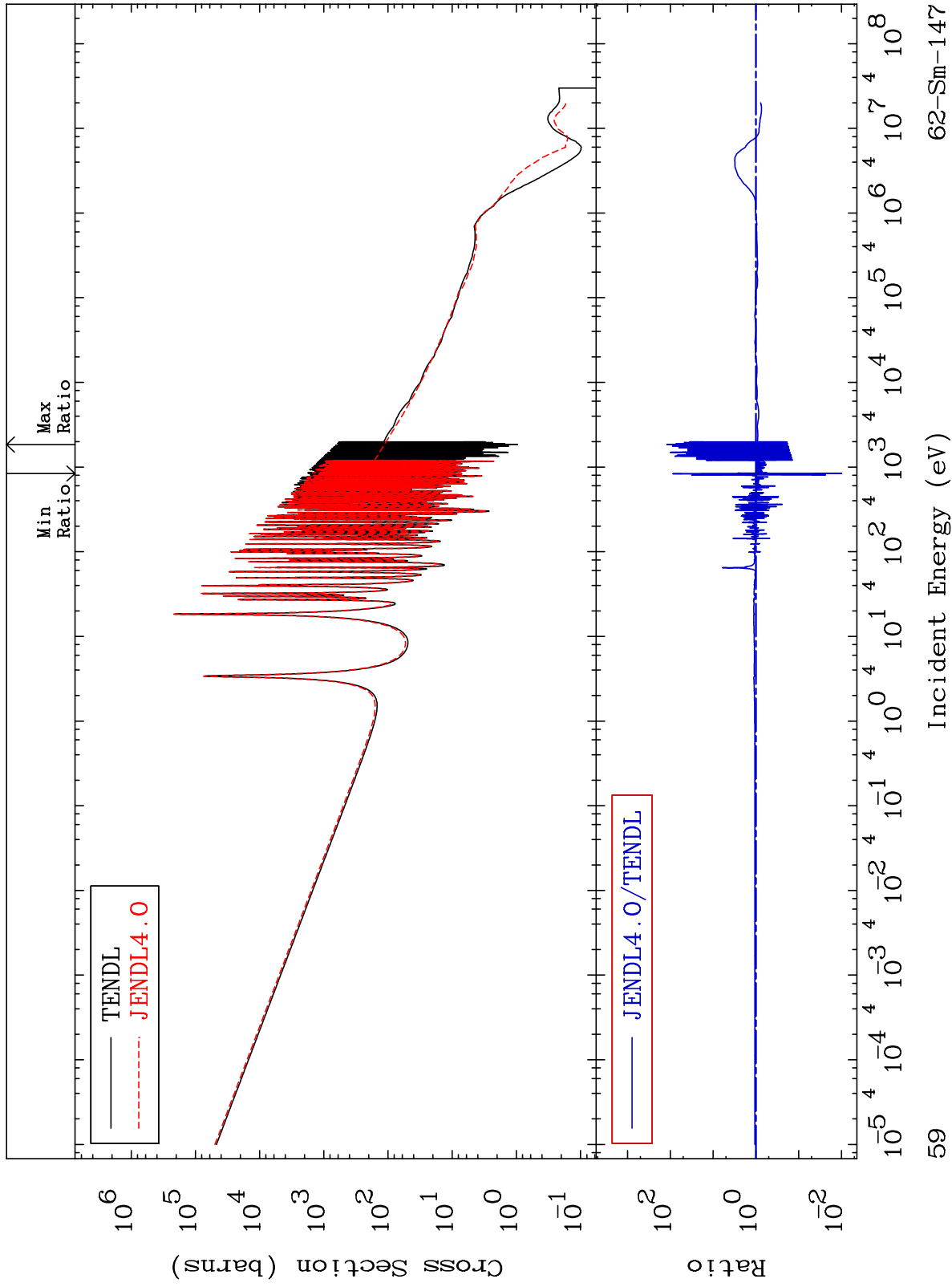
Incident Energy (eV)

62-Sm-147

MAT 6234

Kerma capture (mt102)  
Cross Section

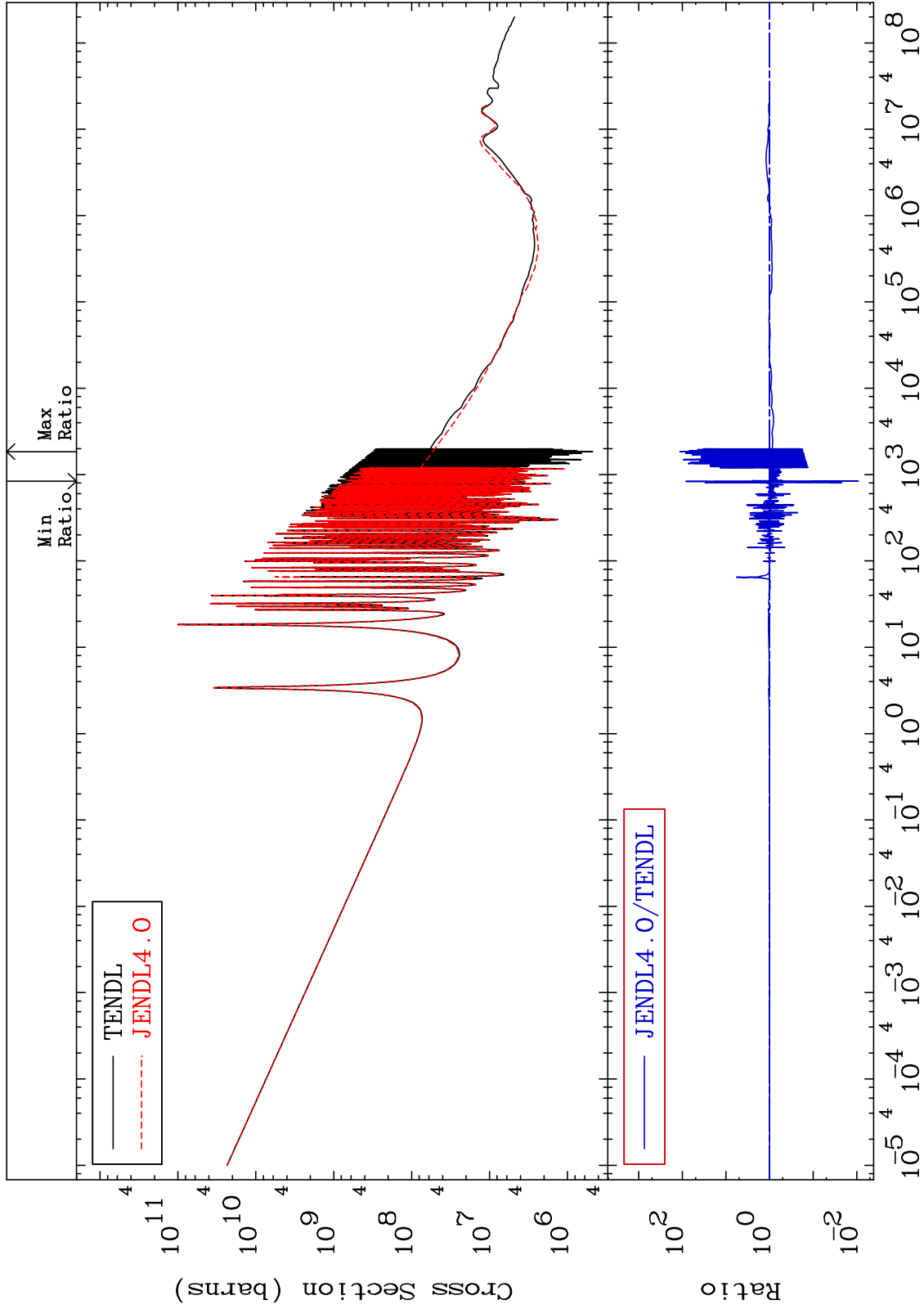
62-Sm-147  
-99.03 To 9999. %



MAT 6234

Total photon (eV-barns)  
Cross Section

62-Sm-147  
-99.08 To 9999. %



60

Incident Energy (eV)

62-Sm-147

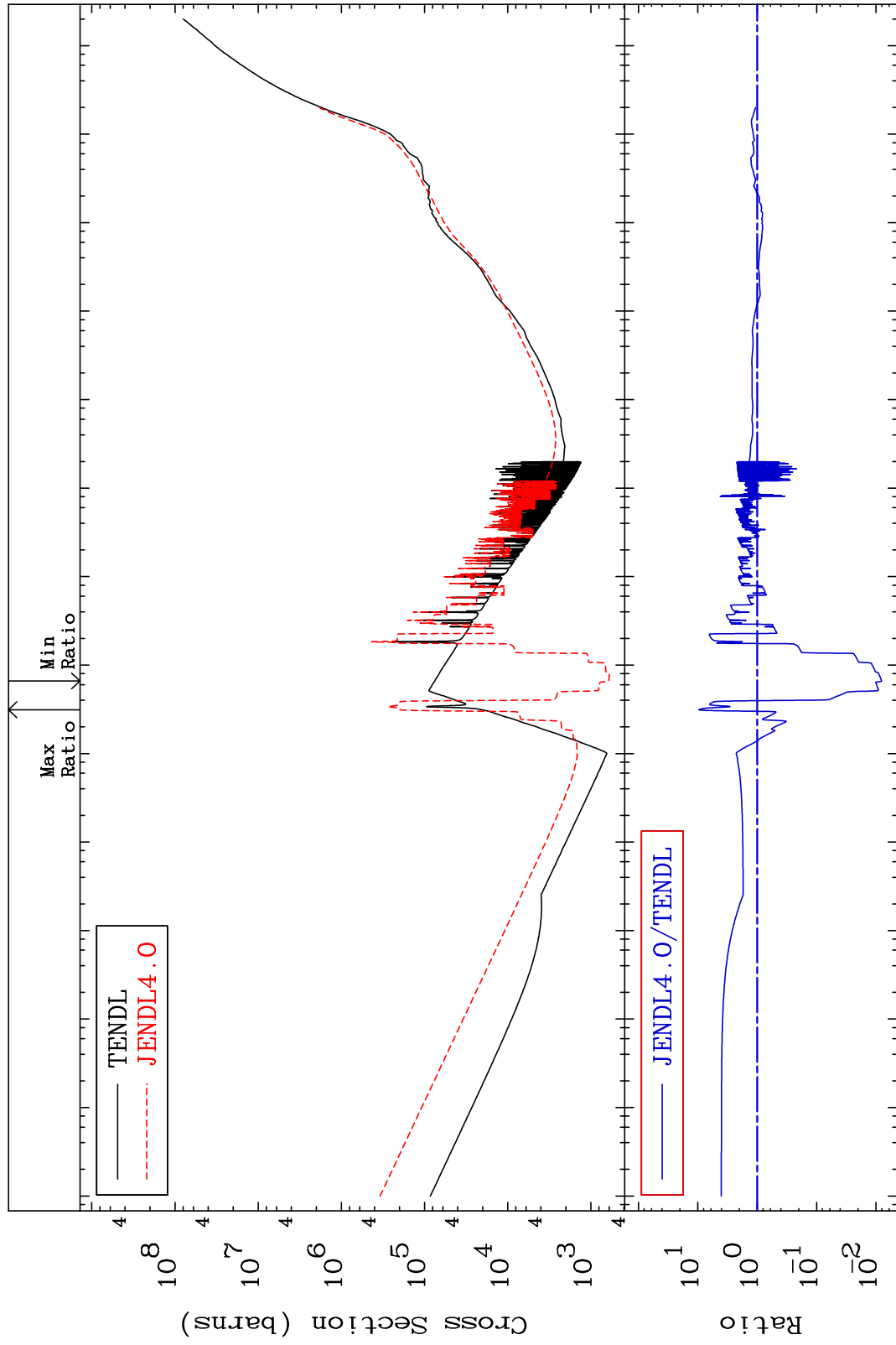
MAT 6234

Total kinematic kerma (high limit)

62-Sm-147

-99.19 To 865.6 %

Cross Section



Incident Energy (eV)

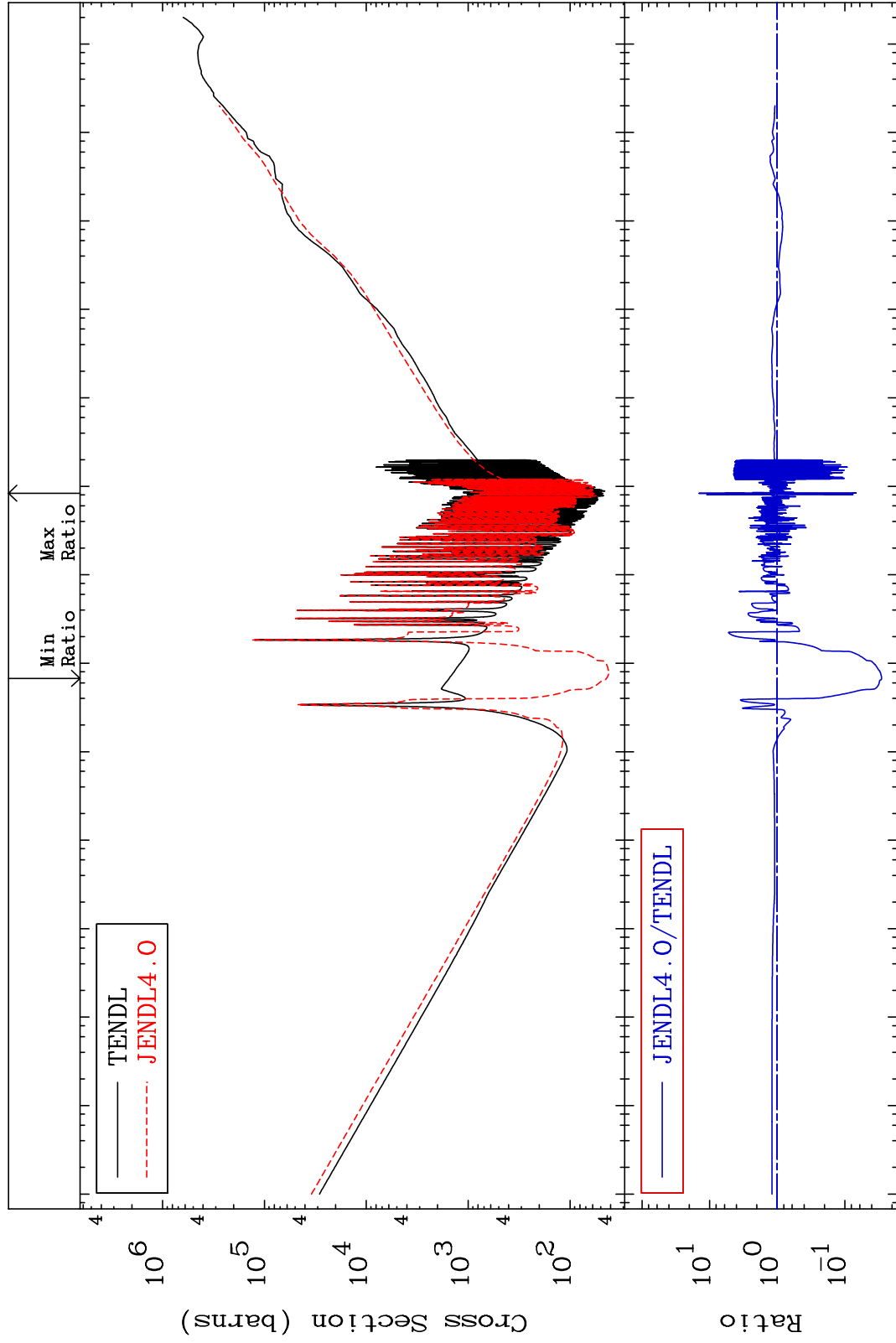
MAT 6234

Dpa total (eV-barns)

62-Sm-147

-97.15 To 1350. %

Cross Section



62

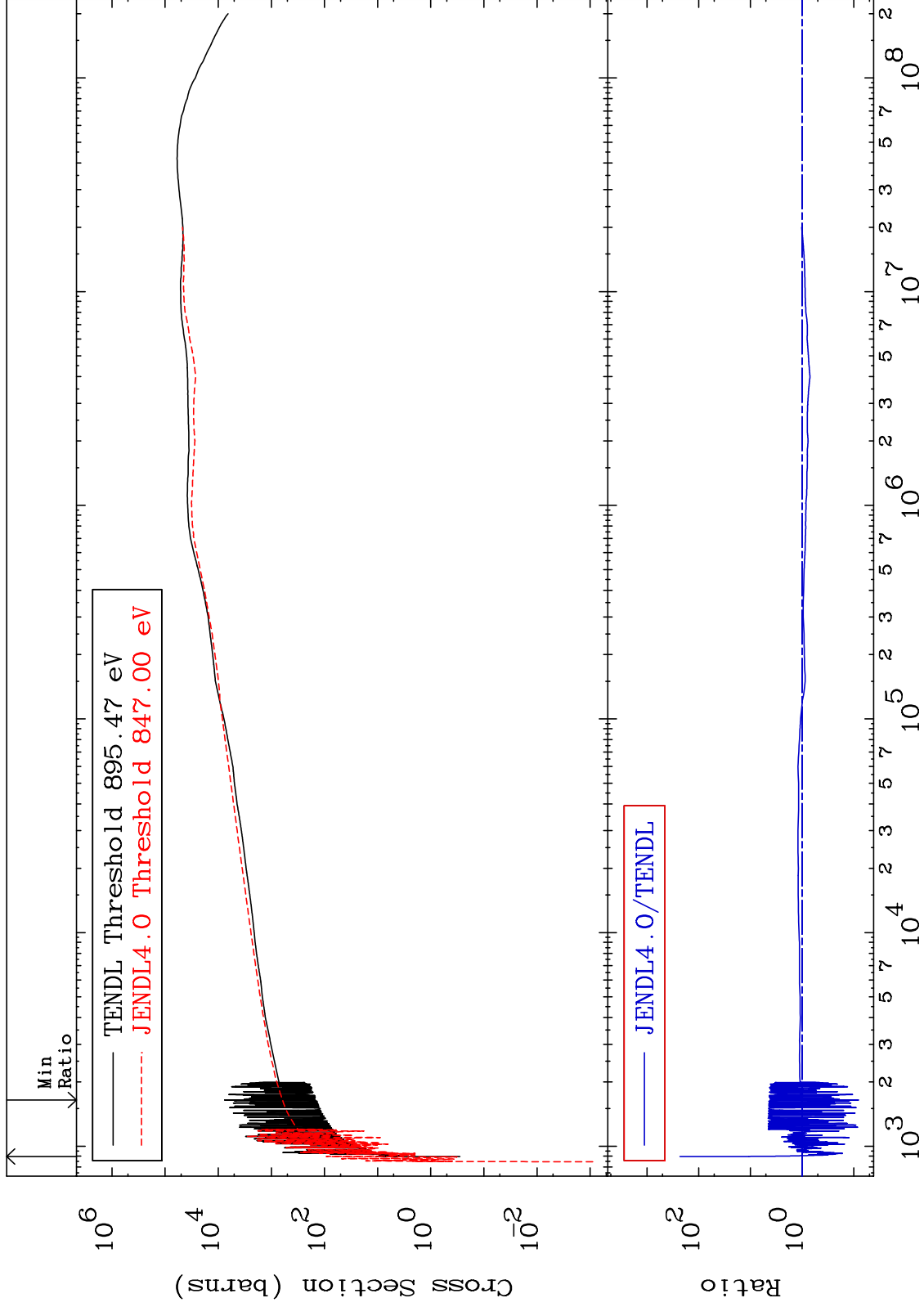
Incident Energy (eV)

62-Sm-147

MAT 6234

Dpa elastic (mt2)  
Cross Section

62-Sm-147  
-91.84 To 9999. %



63

Incident Energy (eV)

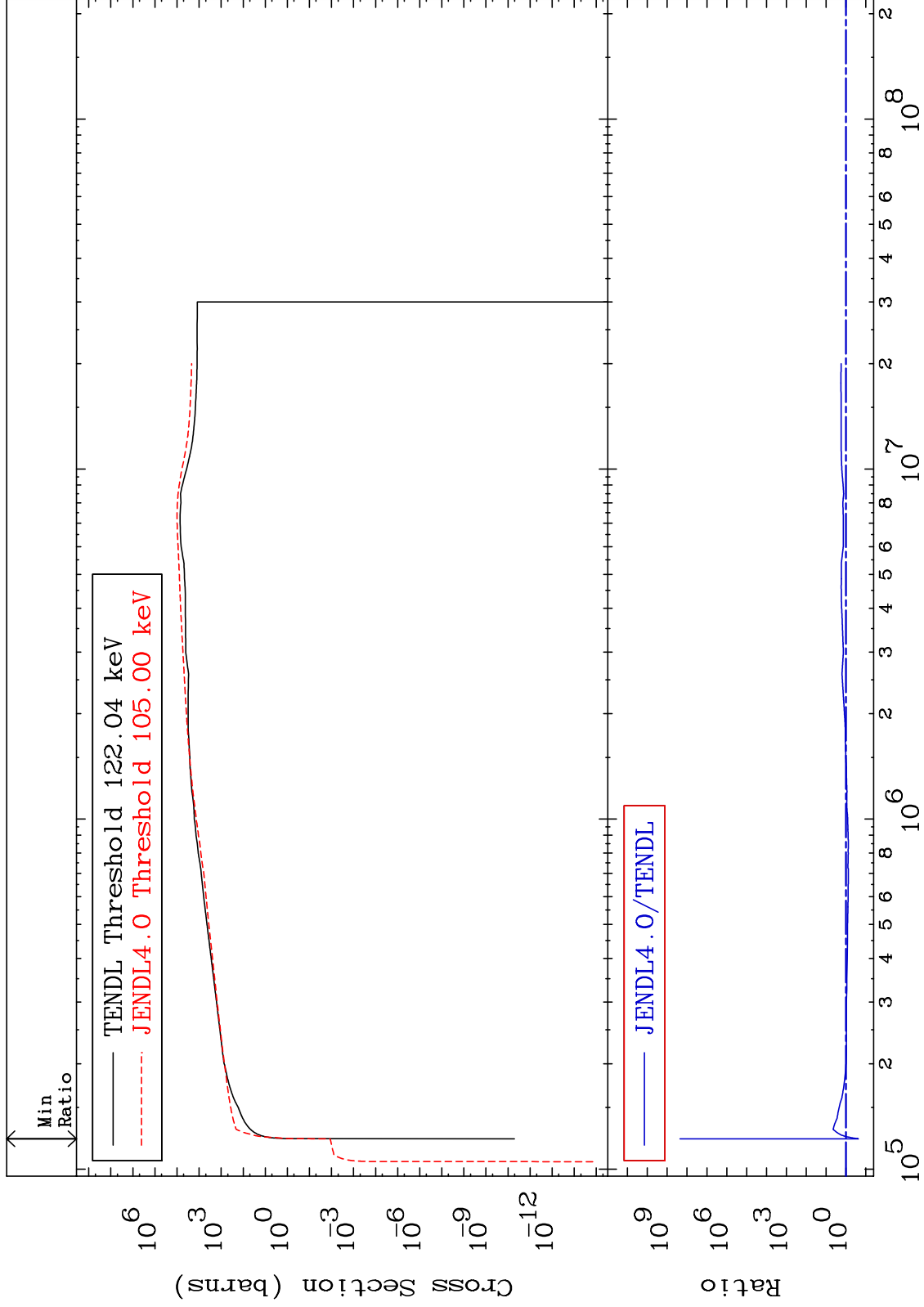
62-Sm-147



MAT 6234

Dpa inelastic (mt51-91)  
Cross Section

62-Sm-147  
-76.43 To 9999. %



64

Incident Energy (eV)

62-Sm-147

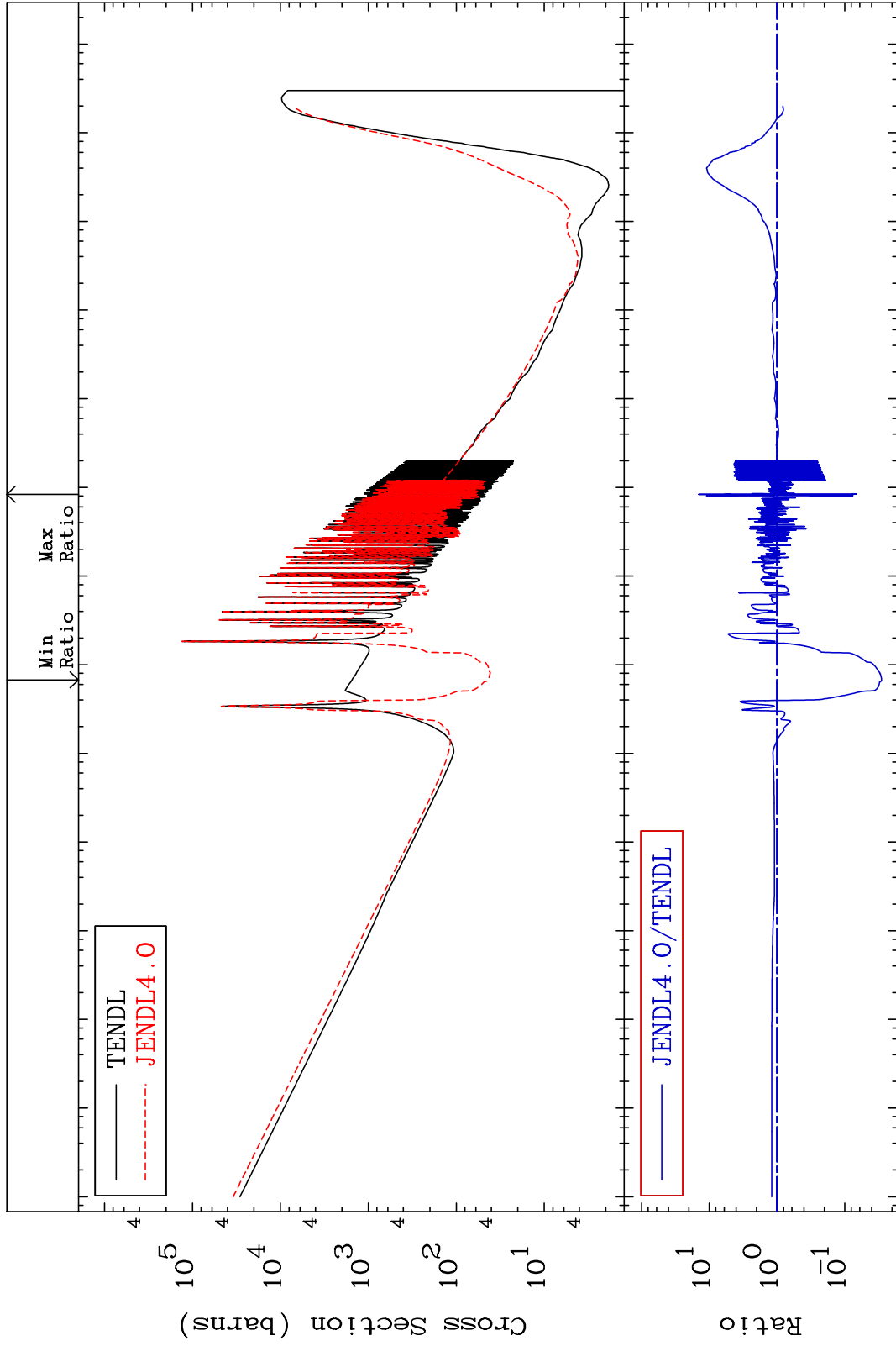
MAT 6234

Dpa disappearance (mt102 -120)

62-Sm-147

-97.15 To 1350. %

Cross Section



65

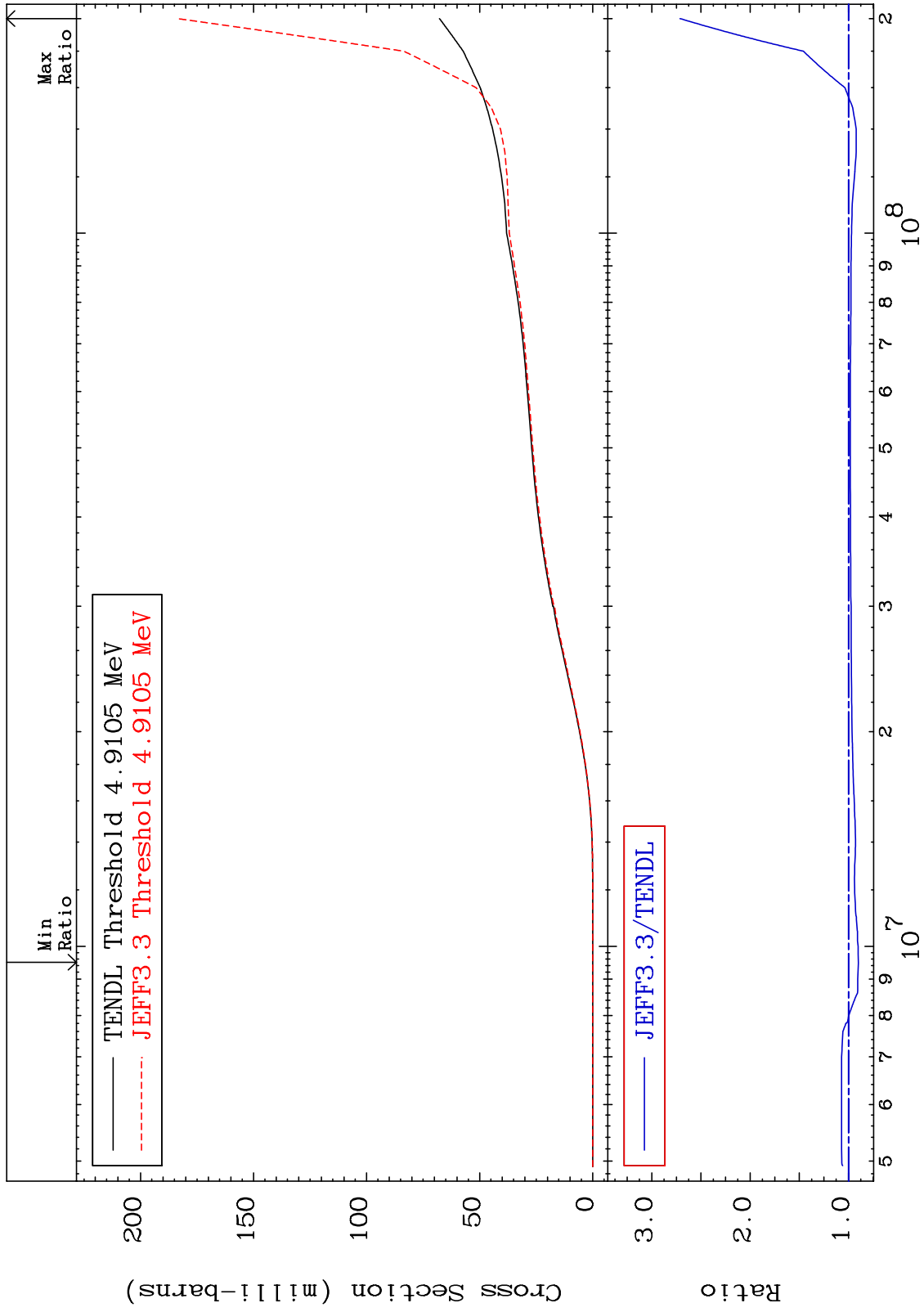
Incident Energy (eV)

62-Sm-147

MAT 6234

Tritium Production  
Cross Section

$^{62}\text{Sm-147}$   
-10.05 To 171.3 %



66

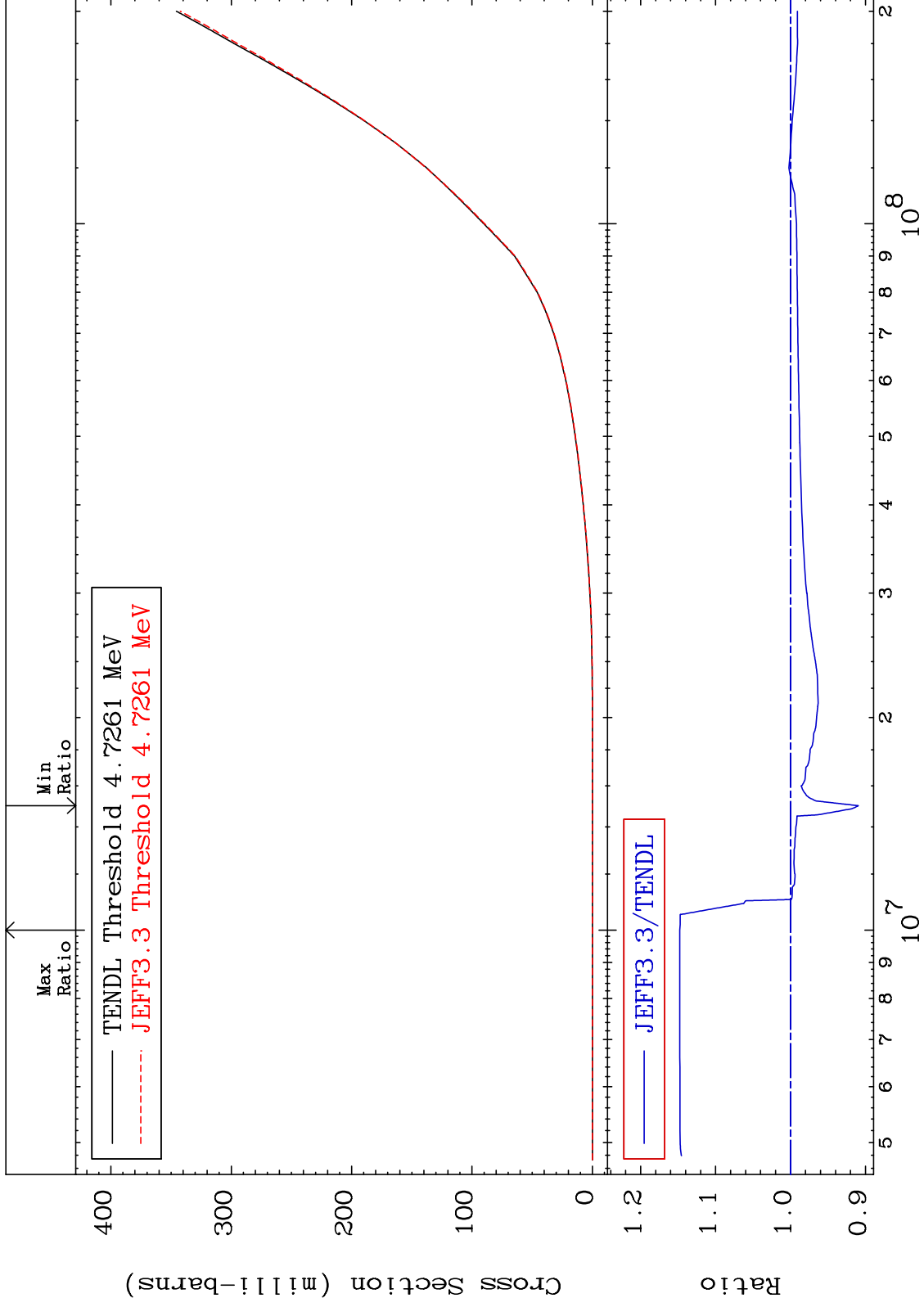
Incident Energy (eV)

$^{62}\text{Sm-147}$

MAT 6234

He-3 Production  
Cross Section

62-Sm-147  
-9.042 To 14.78 %



67

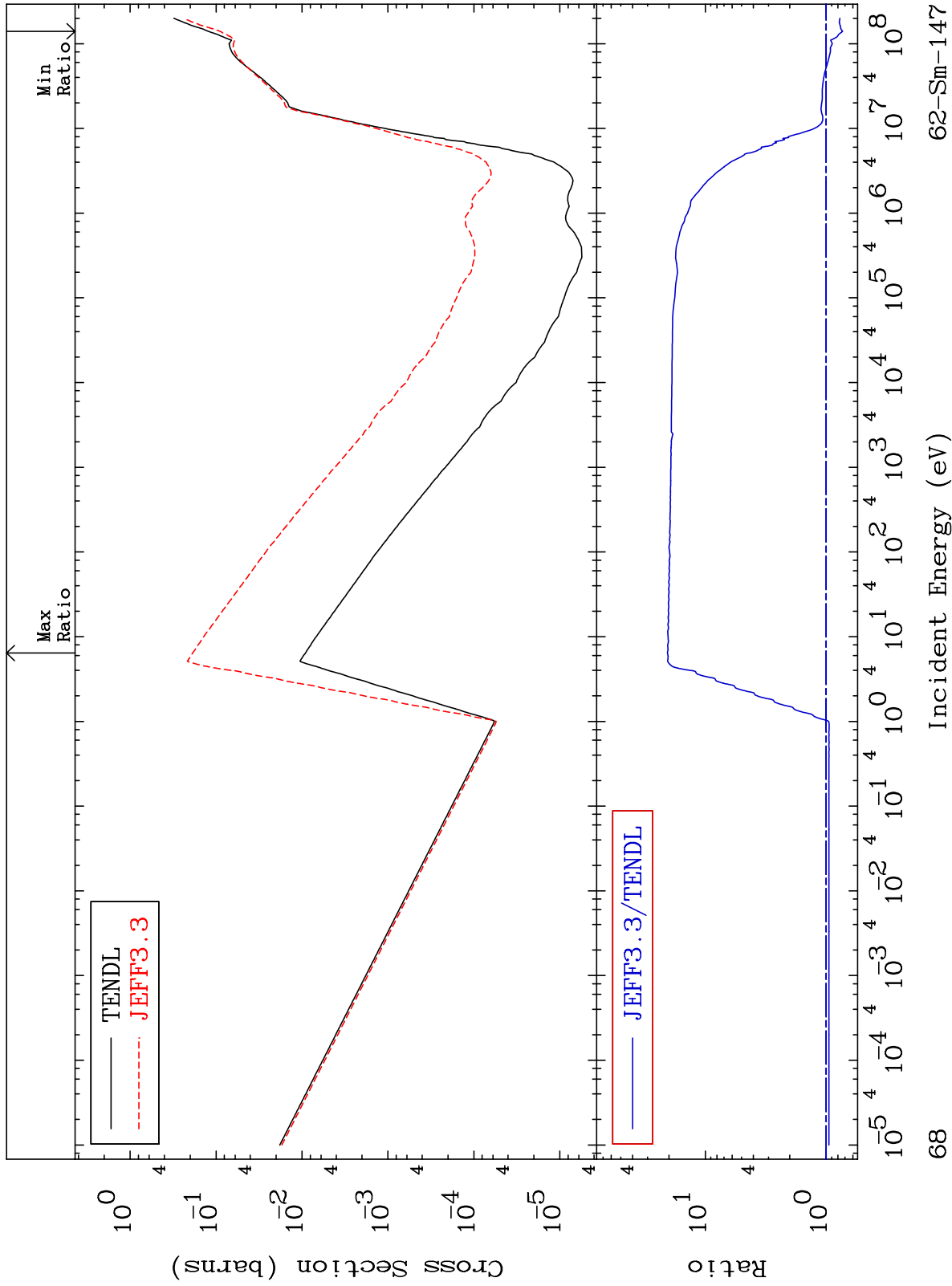
Incident Energy (eV)

62-Sm-147

MAT 6234

He-4 Production  
Cross Section

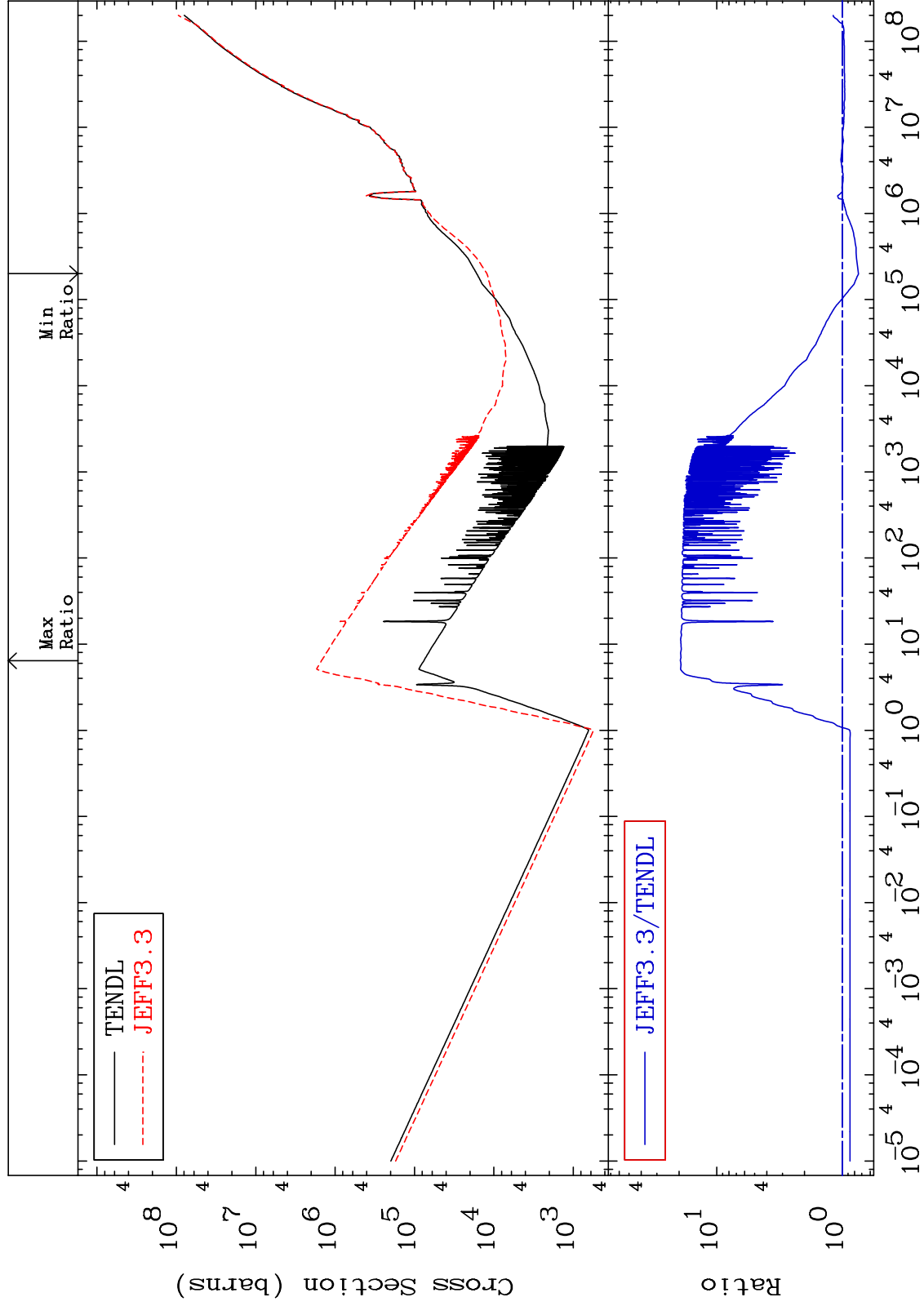
62-Sm-147  
-26.97 To 1951. %



MAT 6234

Kerma total (eV-barns)  
Cross Section

62-Sm-147  
-25.71 To 1848. %



69

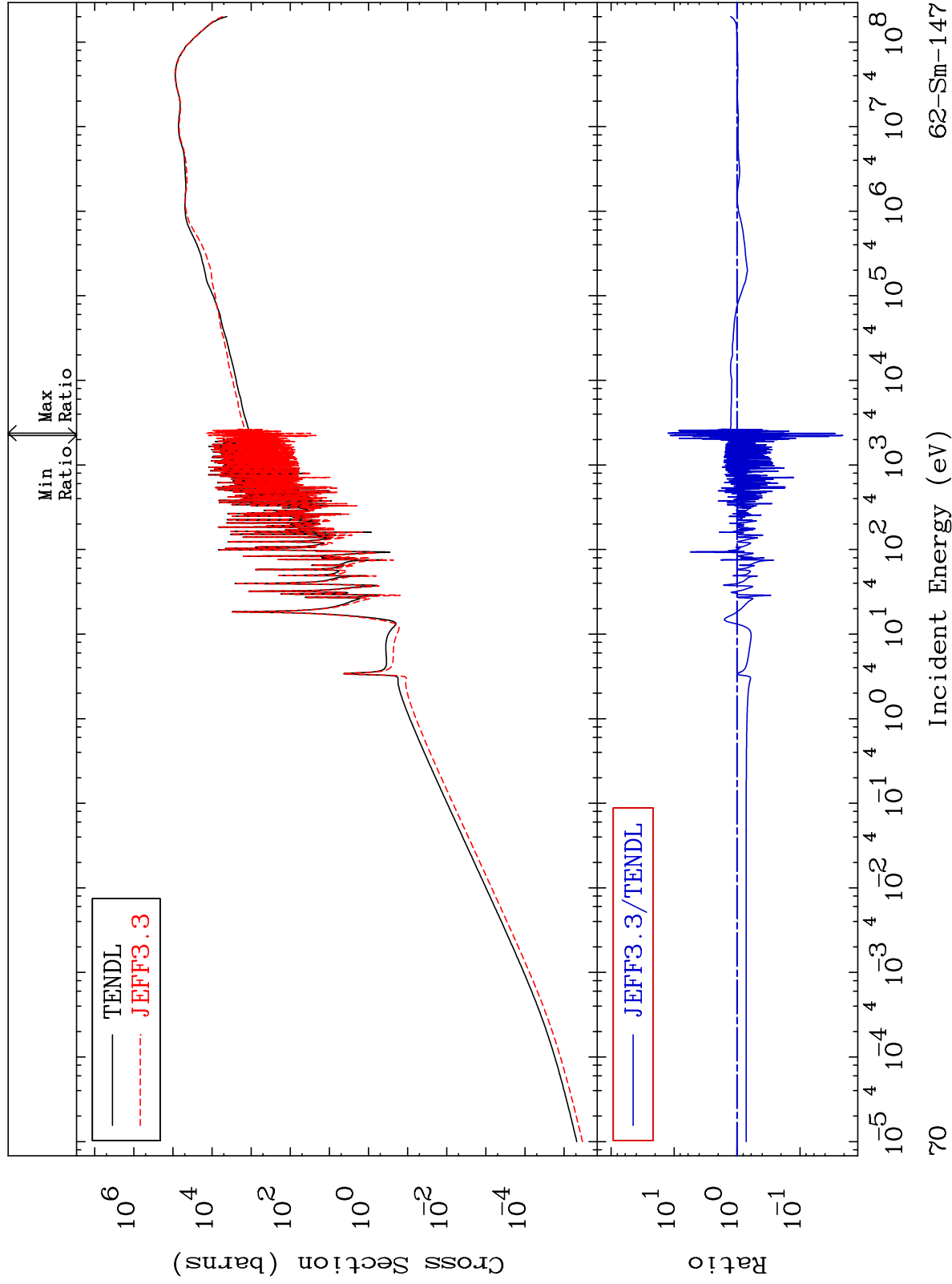
Incident Energy (eV)

62-Sm-147

MAT 6234

Kerma elastic  
Cross Section

62-Sm-147  
-97.91 To 1150. %



70

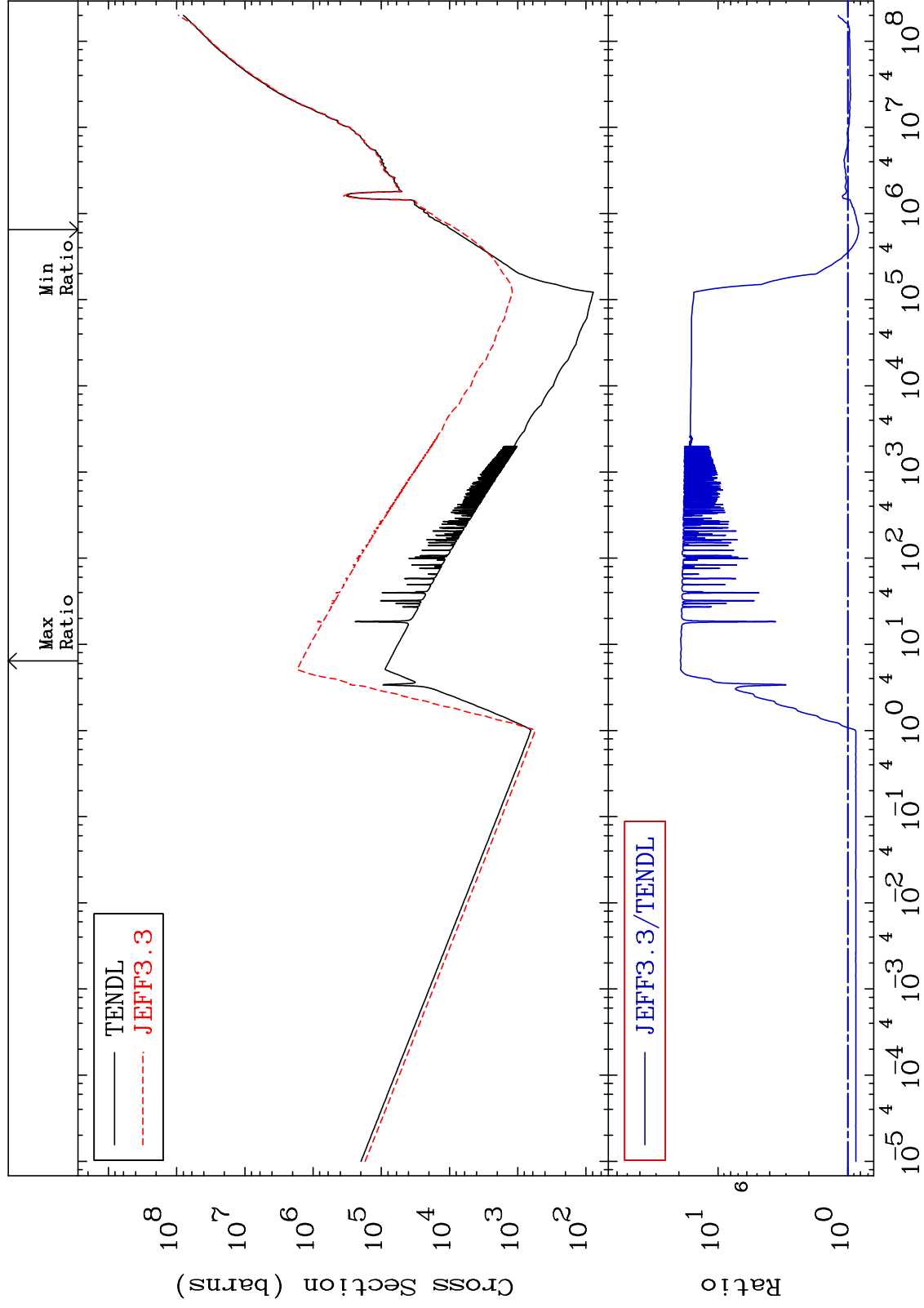
Incident Energy (eV)

62-Sm-147

MAT 6234

Kerma non-elastic (all but mt2)  
Cross Section

62-Sm-147  
-17.21 To 1848. %



71

Incident Energy (eV)

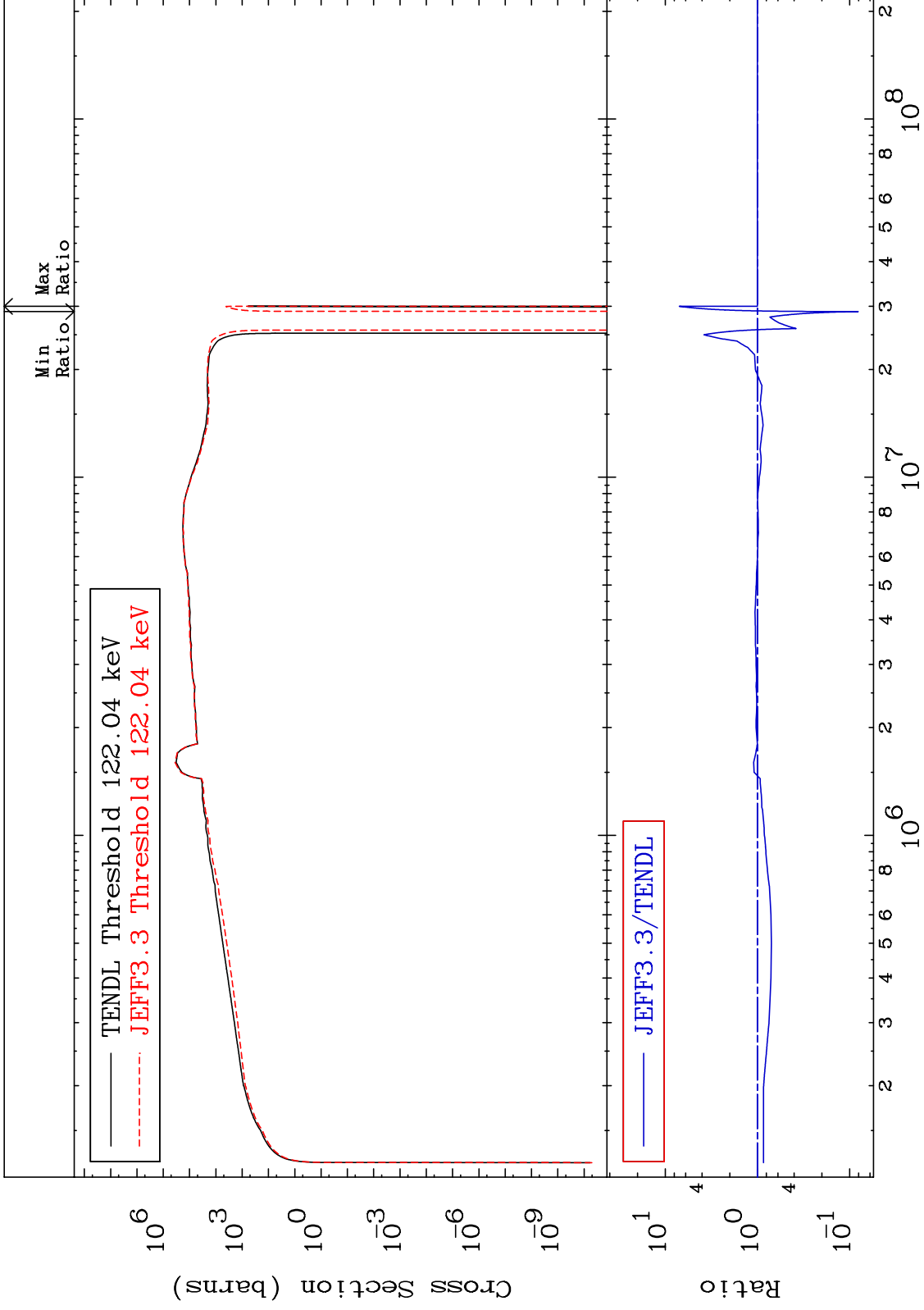
62-Sm-147



MAT 6234

Kerma inelastic (mt51-91)  
Cross Section

62-Sm-147  
-91.93 To 603.7 %



72

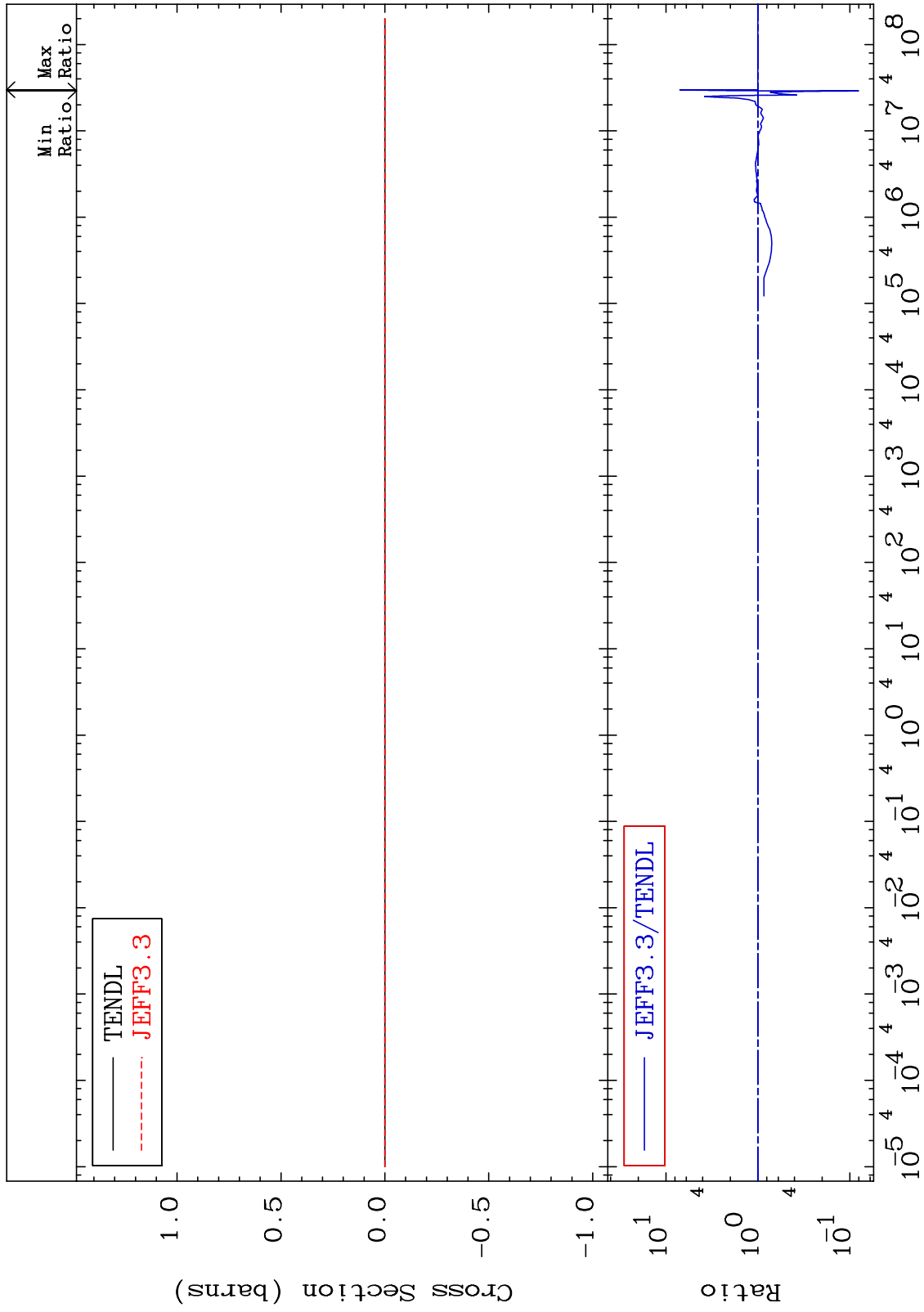
Incident Energy (eV)

62-Sm-147

MAT 6234

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

62-Sm-147  
-91.93 To 603.7 %



73

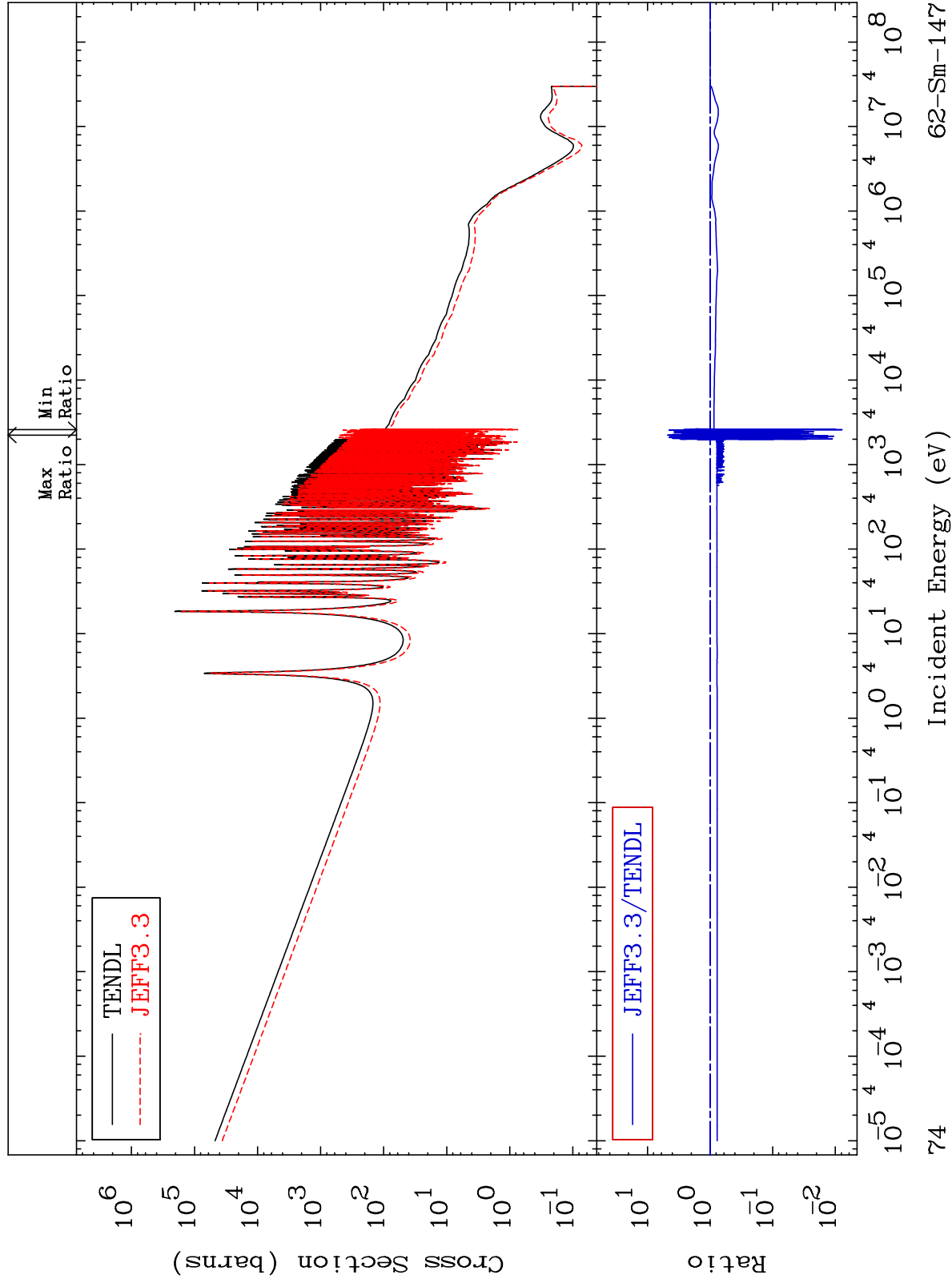
Incident Energy (eV)

62-Sm-147

MAT 6234

Kerma capture (mt102)  
Cross Section

62-Sm-147  
-99.22 To 379.1 %



74

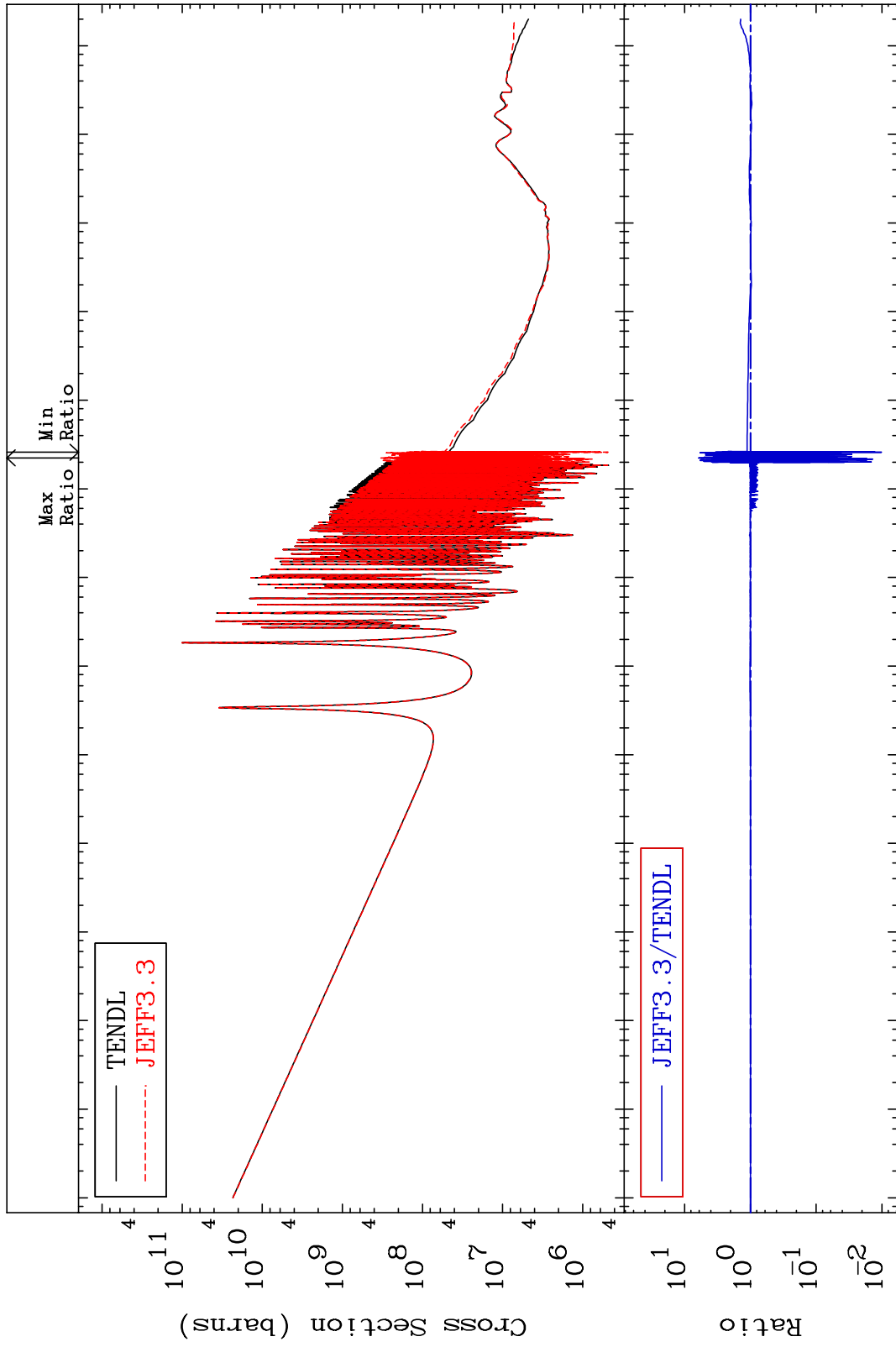
Incident Energy (eV)

62-Sm-147

MAT 6234

Total photon (eV-barns)  
Cross Section

62-Sm-147  
-98.99 To 518.2 %



75

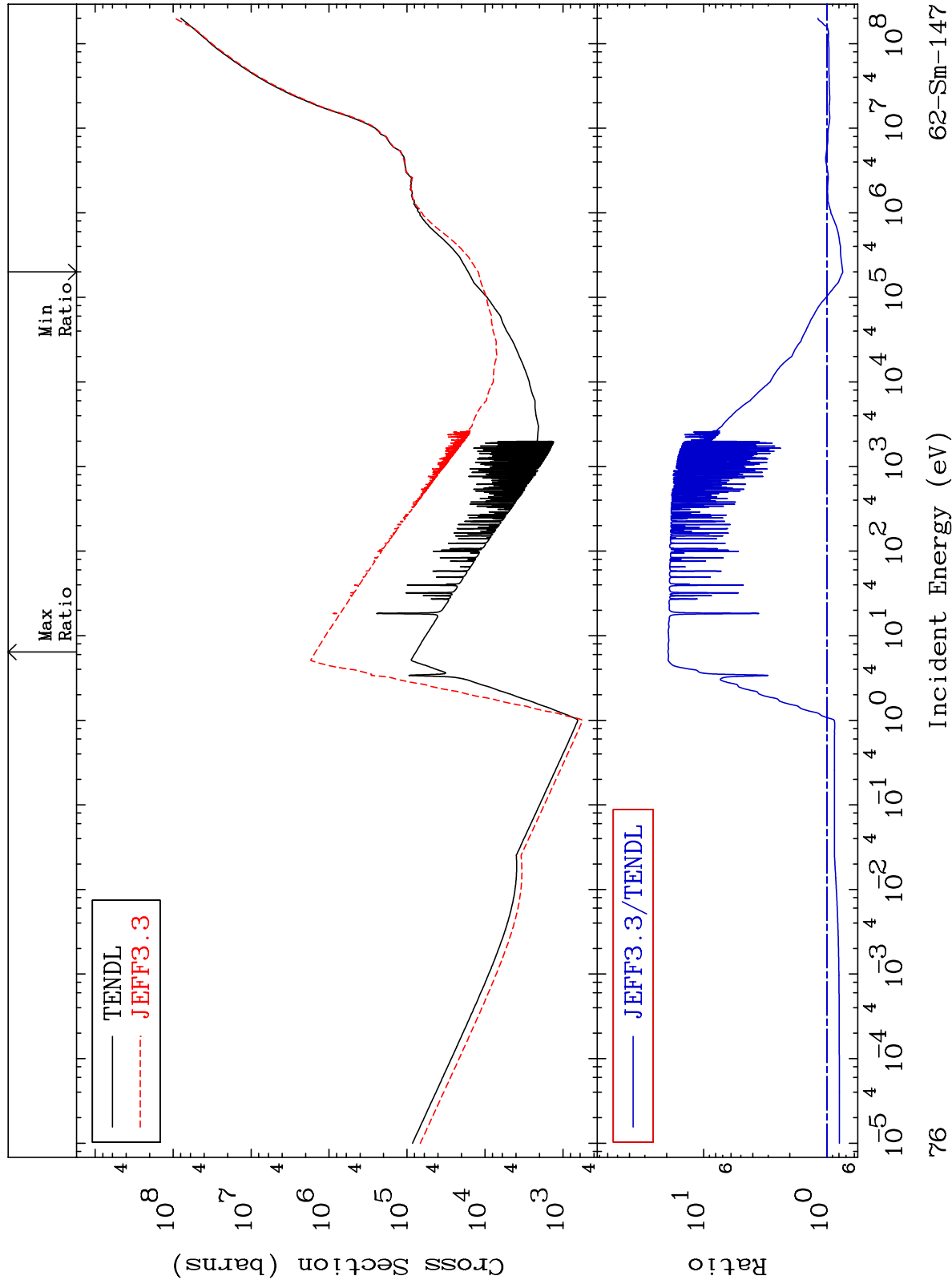
Incident Energy (eV)

62-Sm-147

MAT 6234

Total kinematic kerma (high limit)  
Cross Section

62-Sm-147  
-25.68 To 1847. %



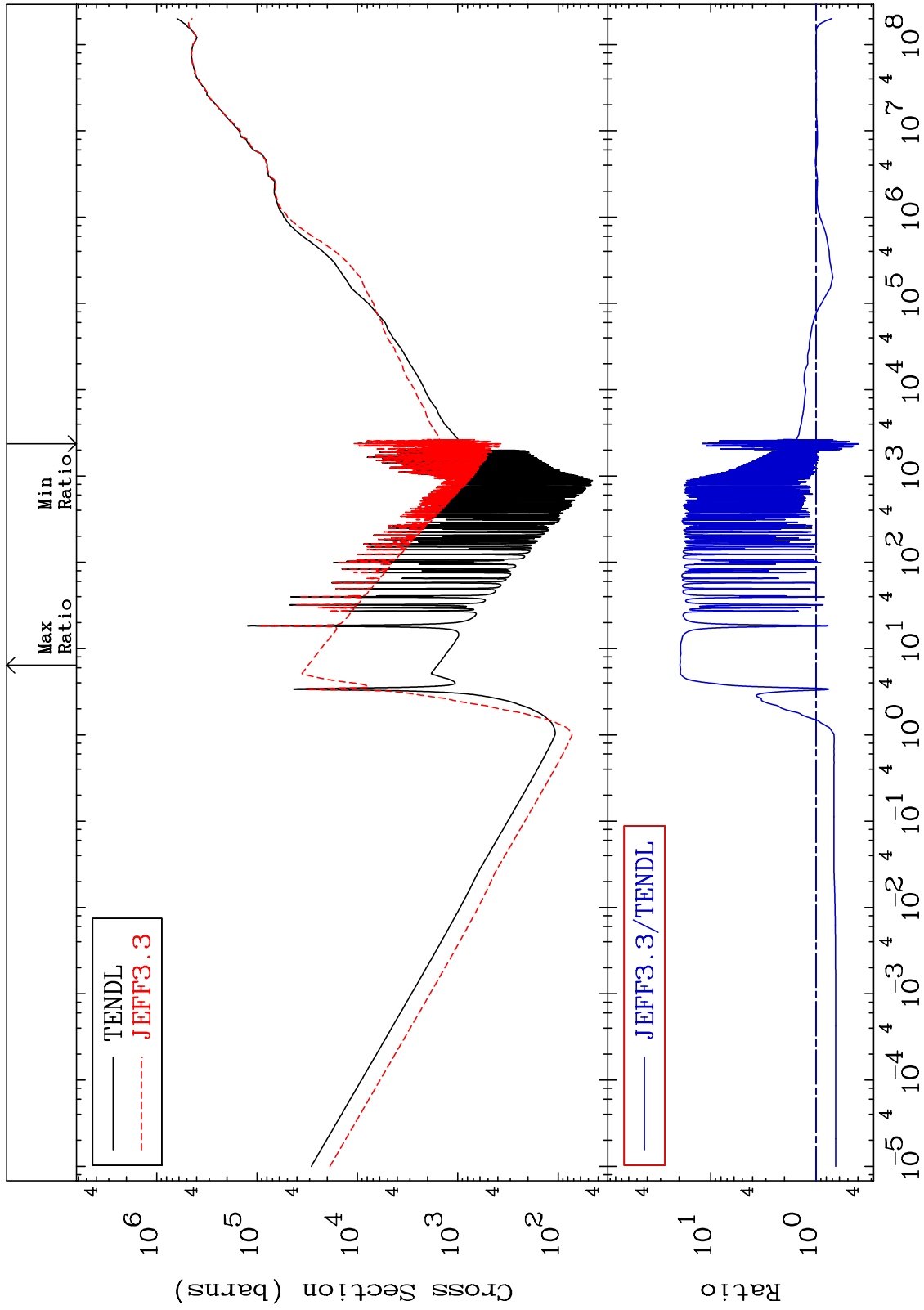
76

62-Sm-147

MAT 6234

Dpa total (eV-barns)  
Cross Section

62-Sm-147  
-60.34 To 1856. %



77

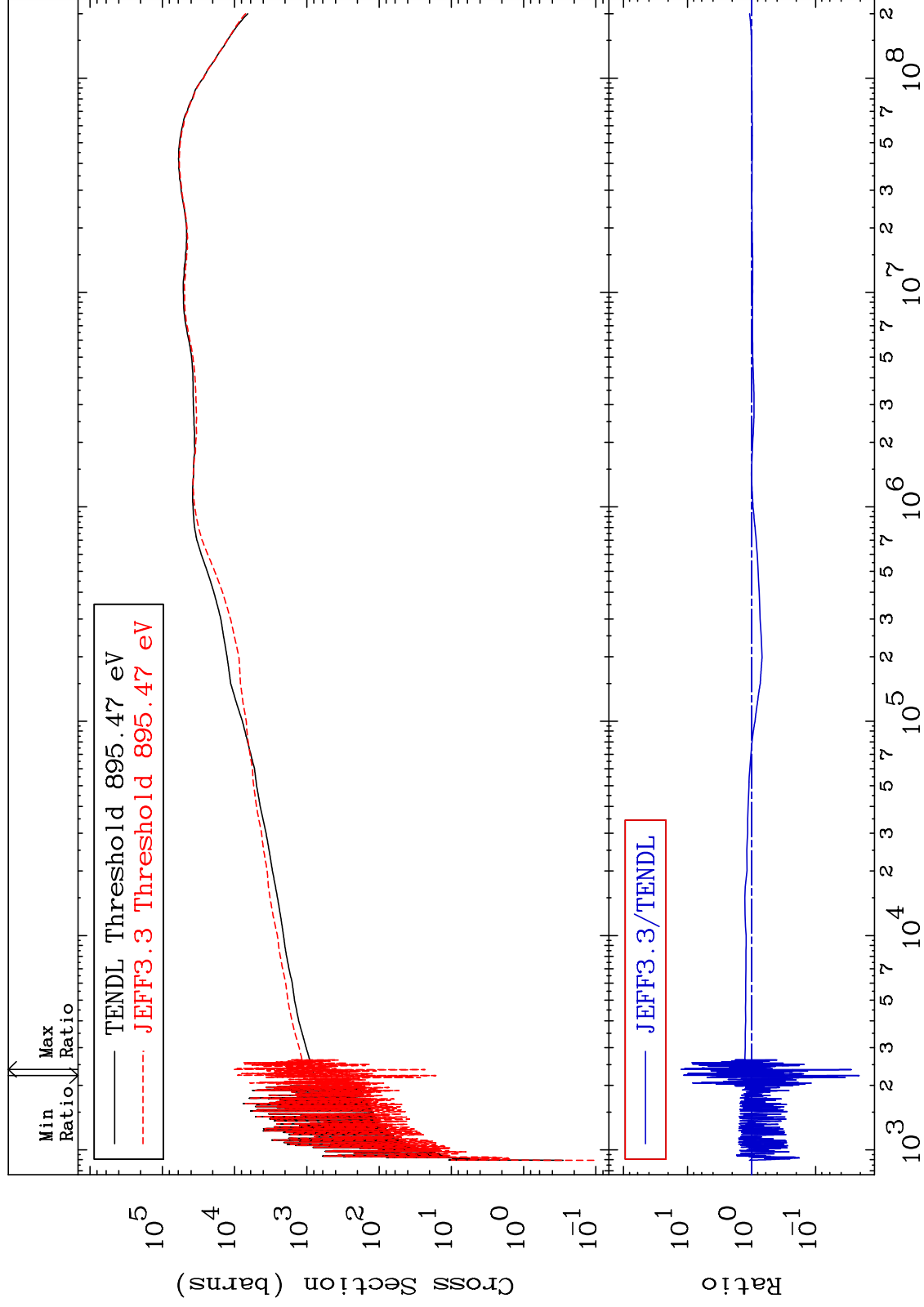
Incident Energy (eV)

62-Sm-147

MAT 6234

Dpa elastic (mt2)  
Cross Section

62-Sm-147  
-97.92 To 1160. %



78

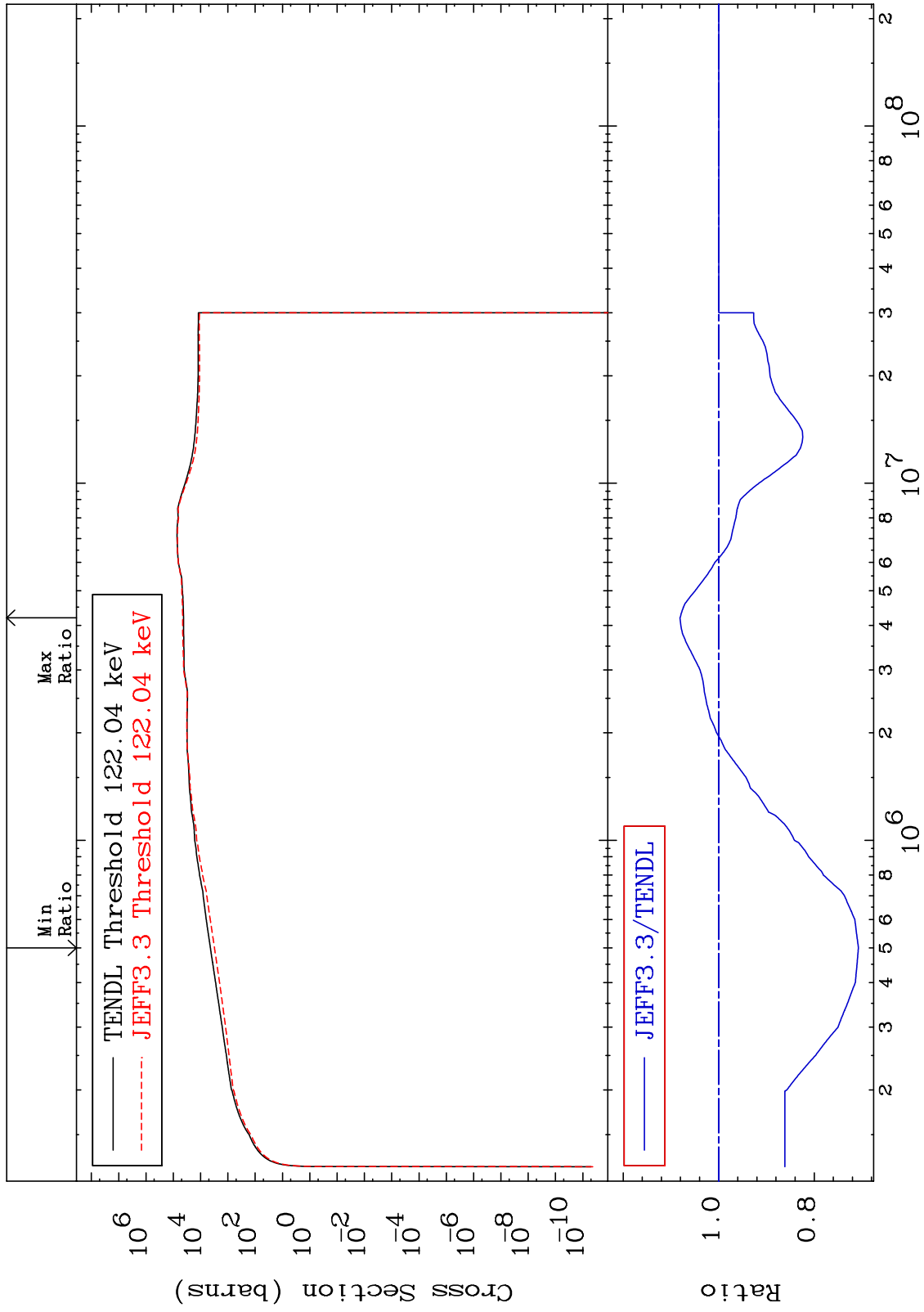
Incident Energy (eV)

62-Sm-147

MAT 6234

Dpa inelastic (mt51-91)  
Cross Section

62-Sm-147  
-29.25 To 8.094 %

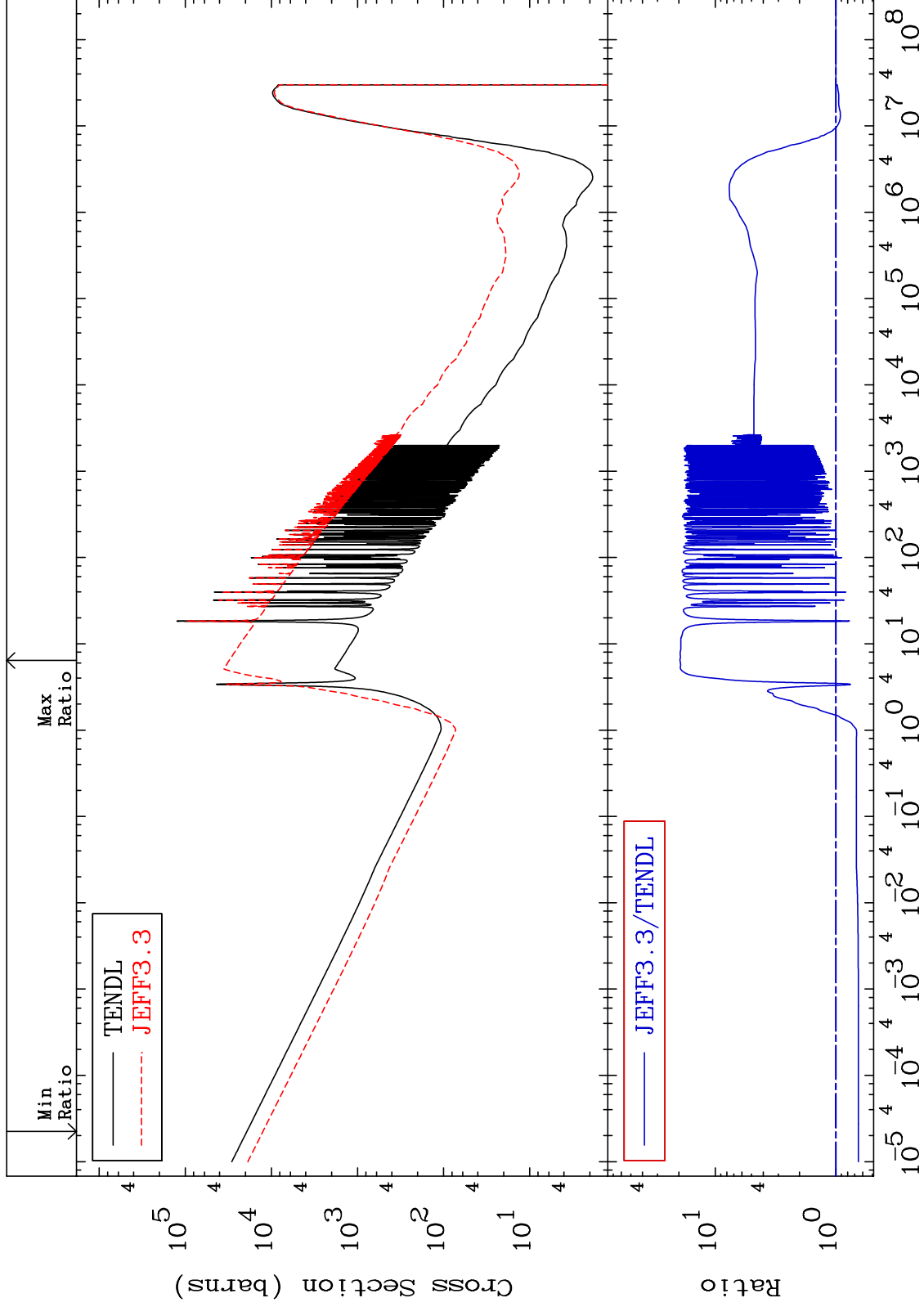




MAT 6234

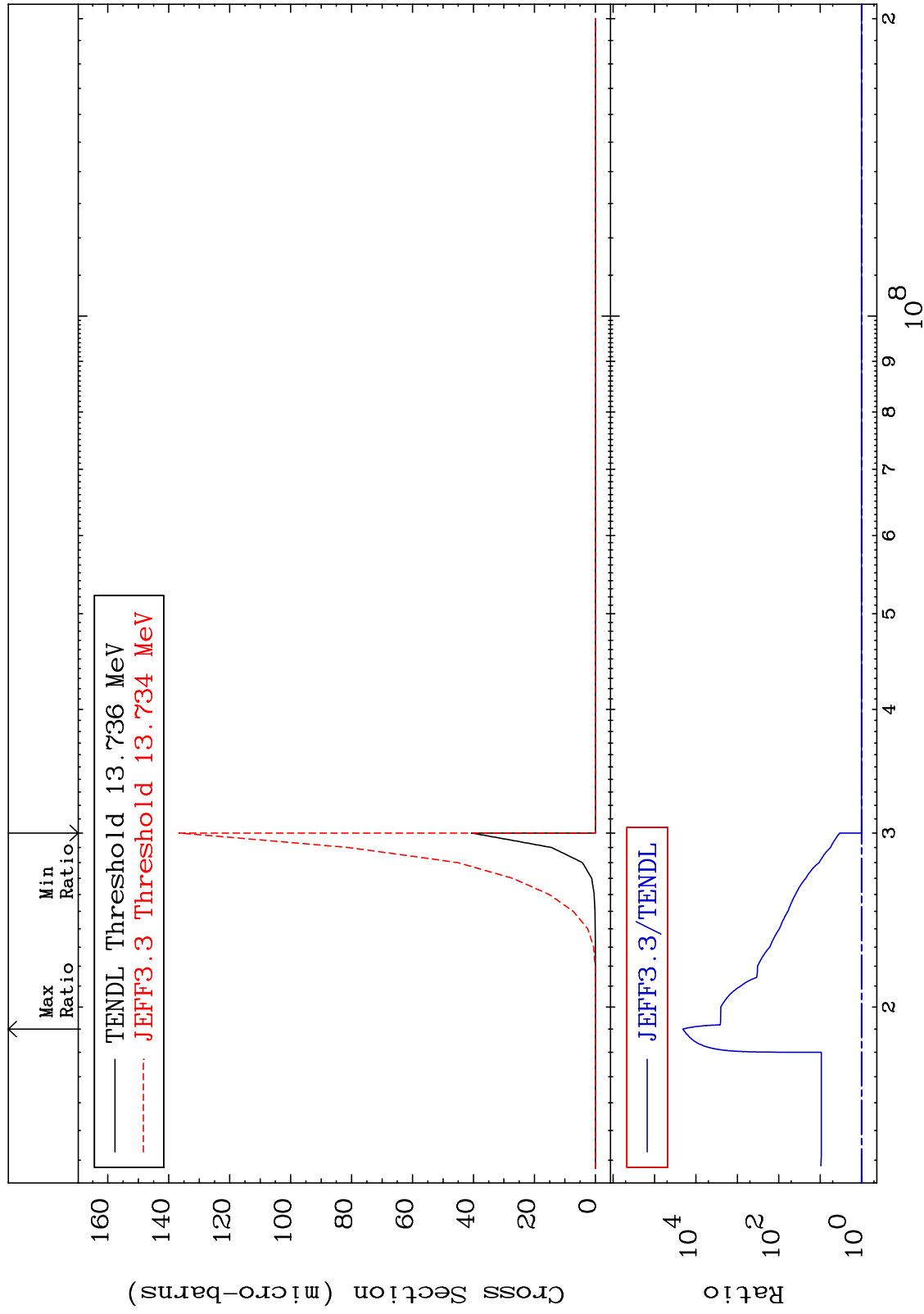
Dpa disappearance (mt102 -120)  
Cross Section

62-Sm-147  
-34.89 To 1856. %



MAT 6234

(n,3n)  $\alpha$ :60-Nd-141g 62-Sm-147  
Radionuclide Production Cross Section 0.000 To 9999. %

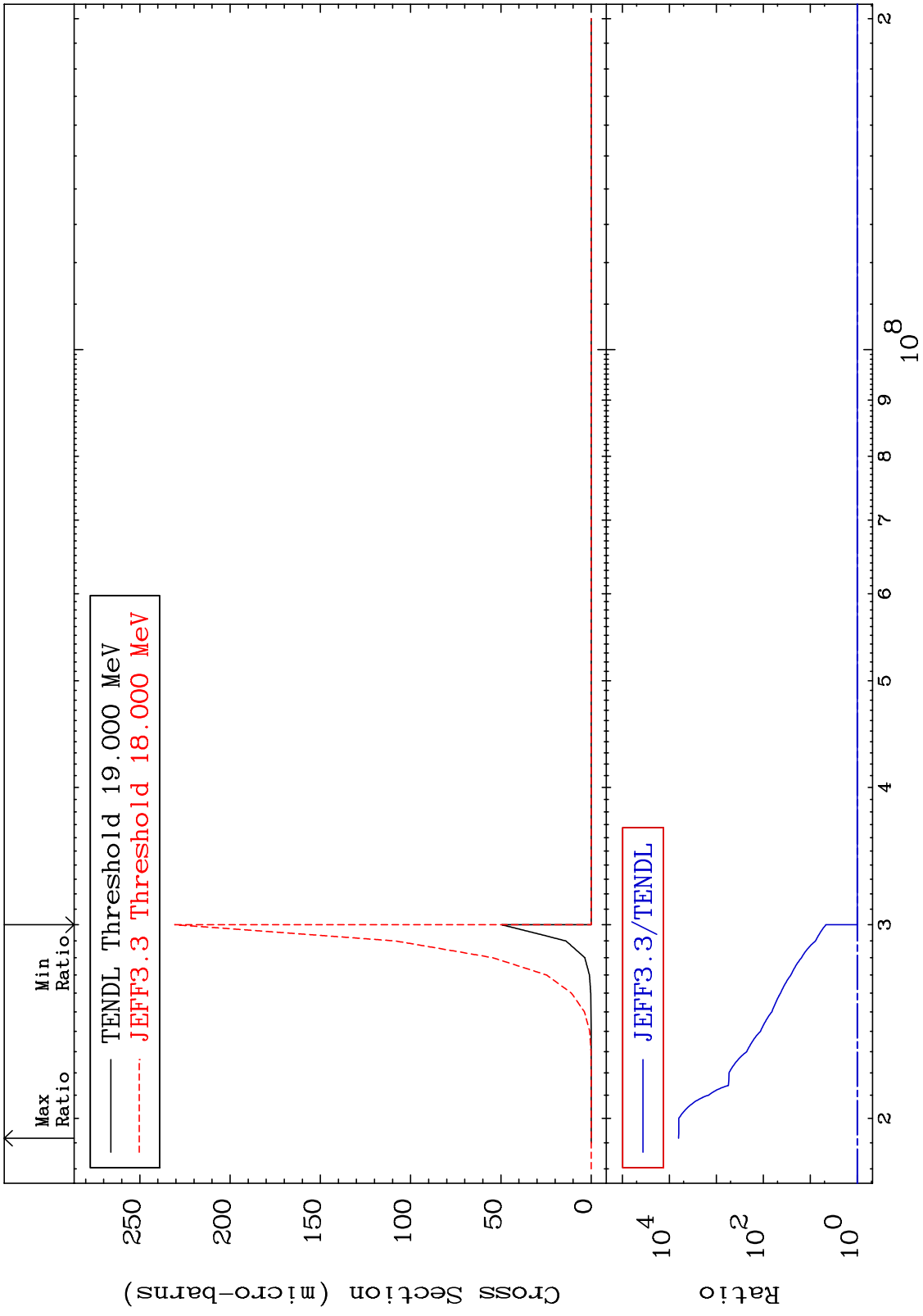


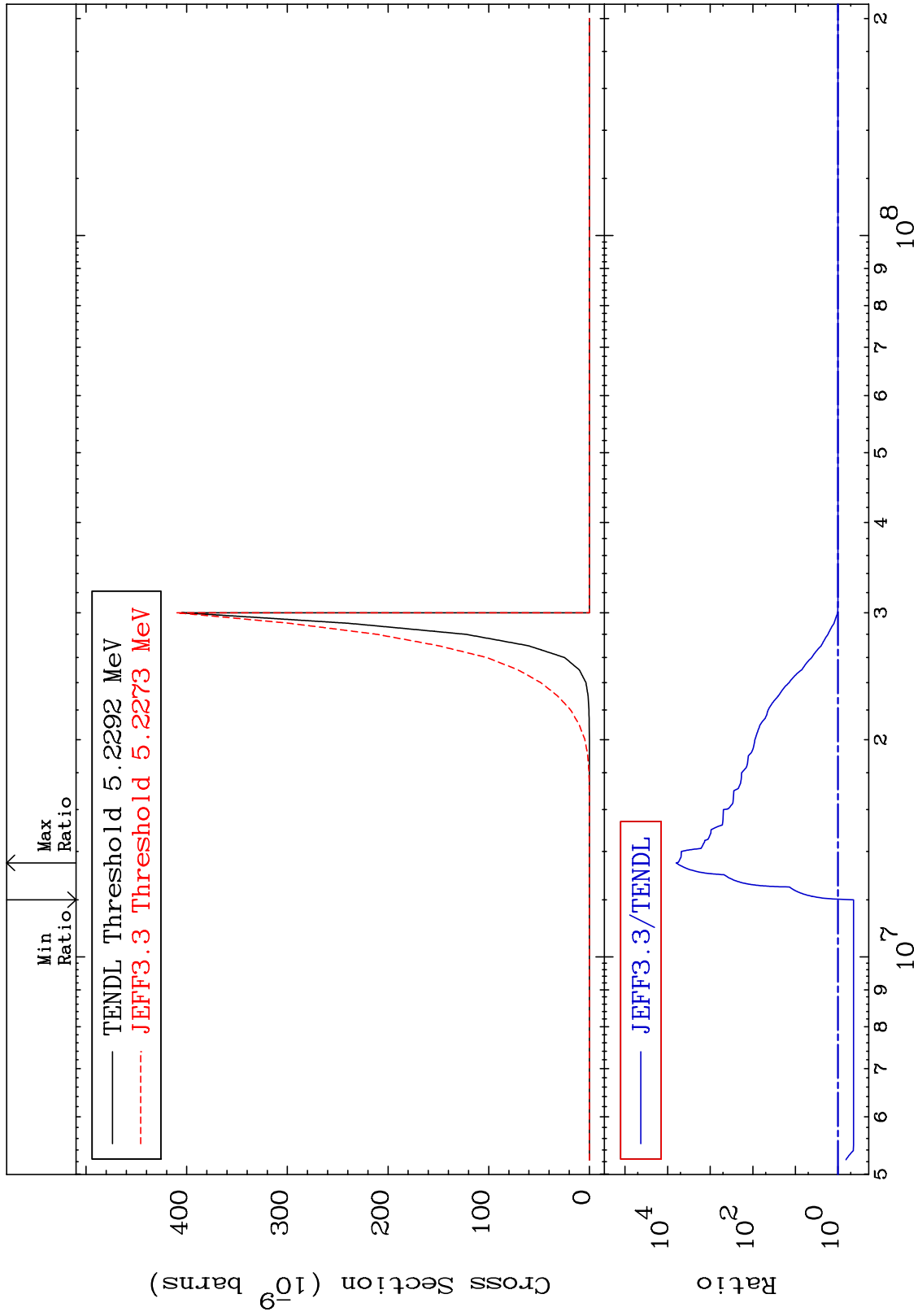
MAT 6234

(n, 3n)  $\alpha$ : 60-Nd-141m2

62-Sm-147

Radionuclide Production Cross Section 0.000 To 9999. %



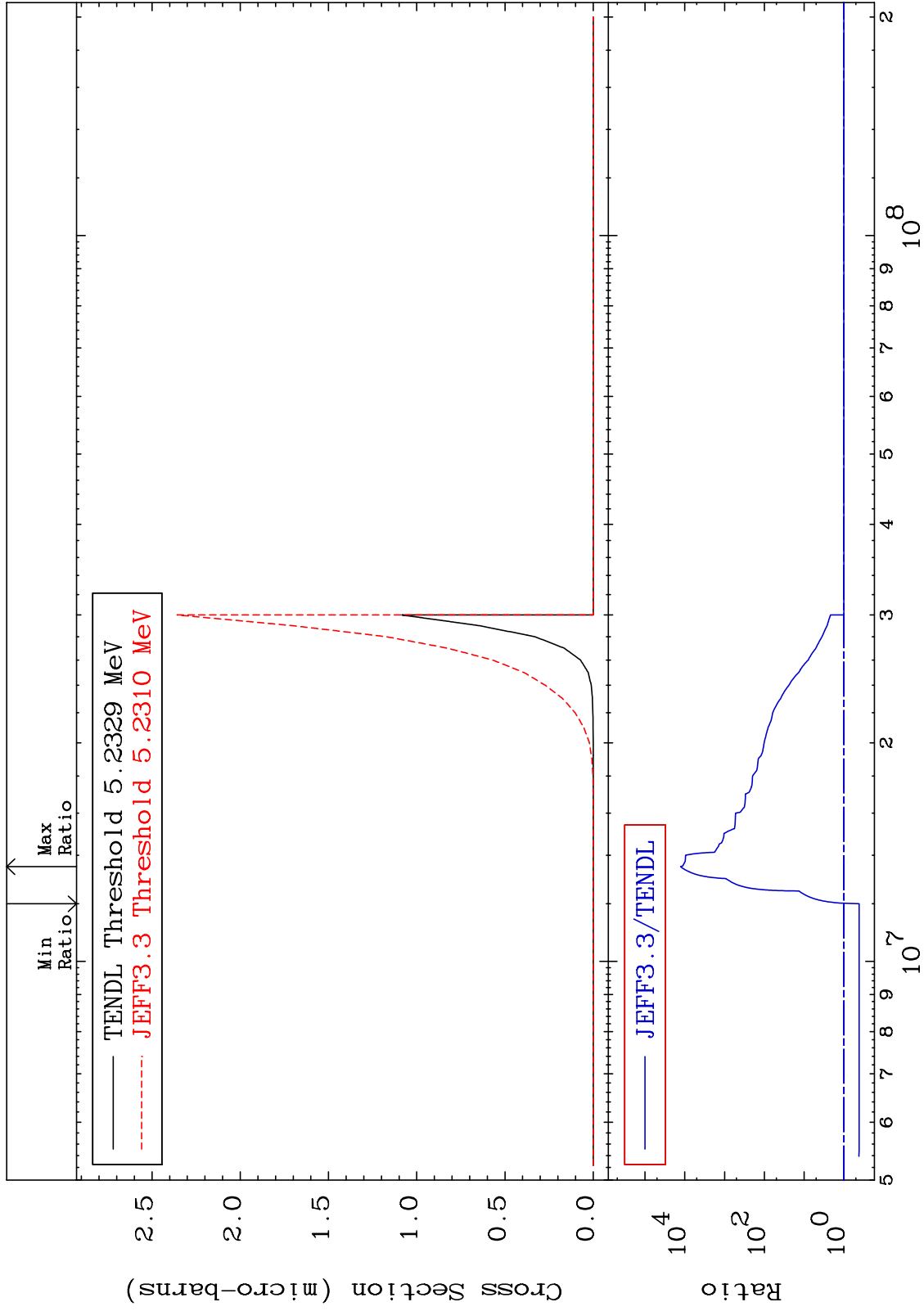


MAT 6234

(n, n') p  $\alpha$ :59-Pr-142m1

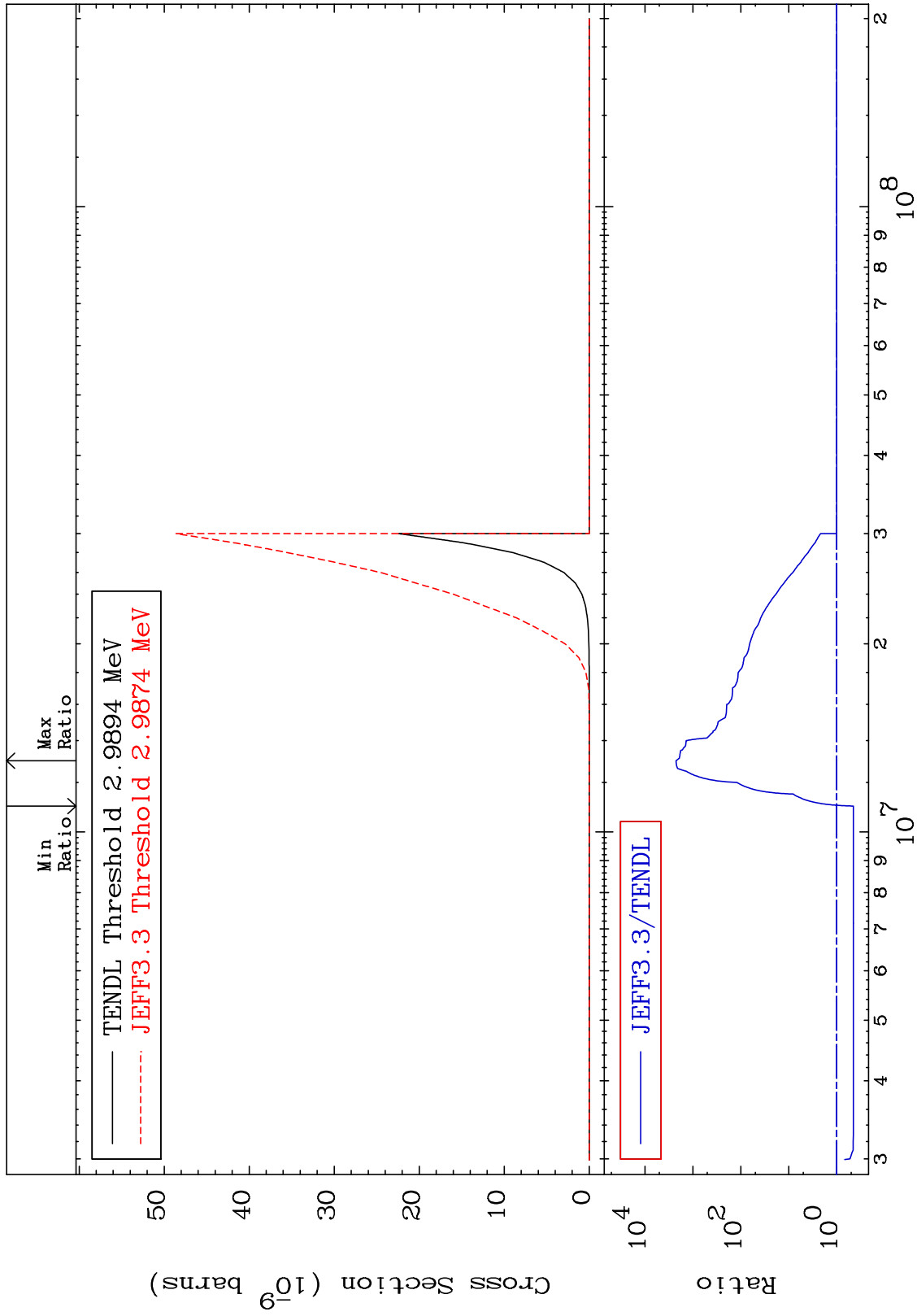
62-Sm-147

Radionuclide Production Cross Section -58.75 To 9999. %



MAT 6234

(n, d)  $\alpha$ :59-Pr-142g 62-Sm-147  
Radionuclide Production Cross Section -55.18 To 9999. %



85

Incident Energy (eV)

62-Sm-147

MAT 6234

(n,d)  $\alpha$ :59-Pr-142m1

62-Sm-147

Radionuclide Production Cross Section -57.25 To 9999. %

