

Program Complot
(Version 2018-1)

by

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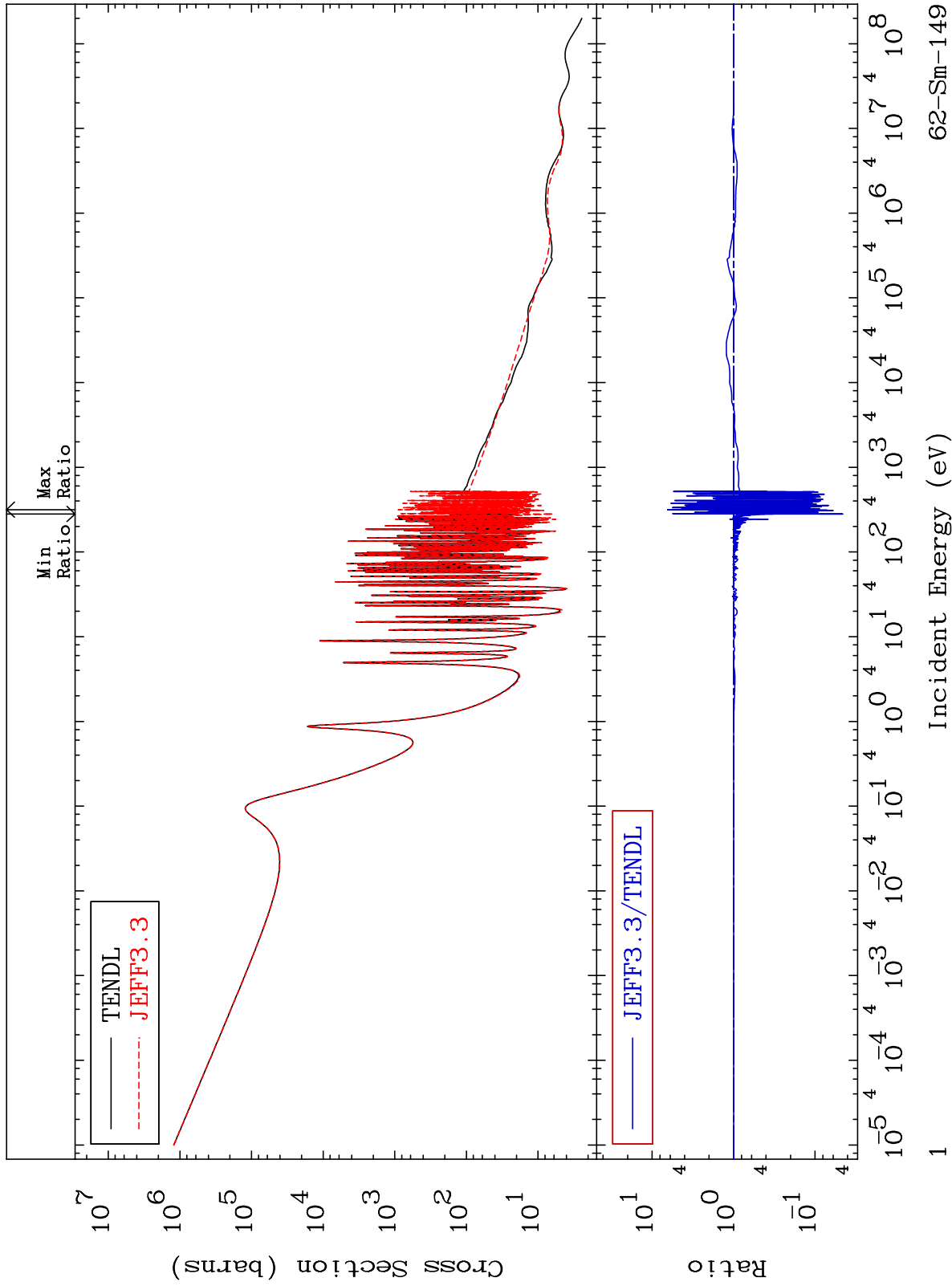
U.S.A.

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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6240 Total Cross Section 62-Sm-149 -95.42 To 547.3 %



62-Sm-149

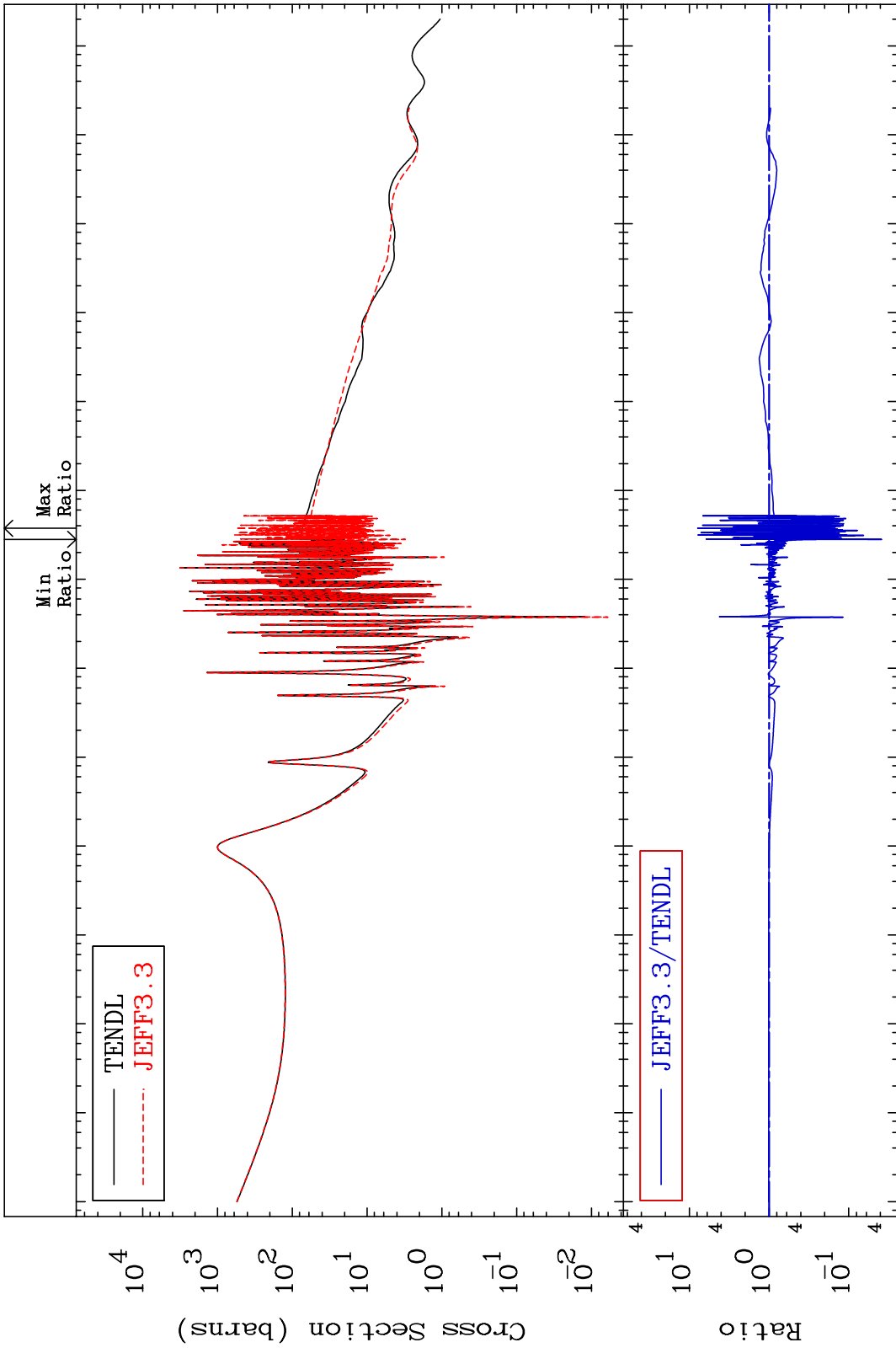
MAT 6240

Elastic

62-Sm-149

Cross Section

-96.12 To 684.3 %



— TENDL
- - - JEFF3.3

— JEFF3.3/TENDL

Incident Energy (eV)

62-Sm-149

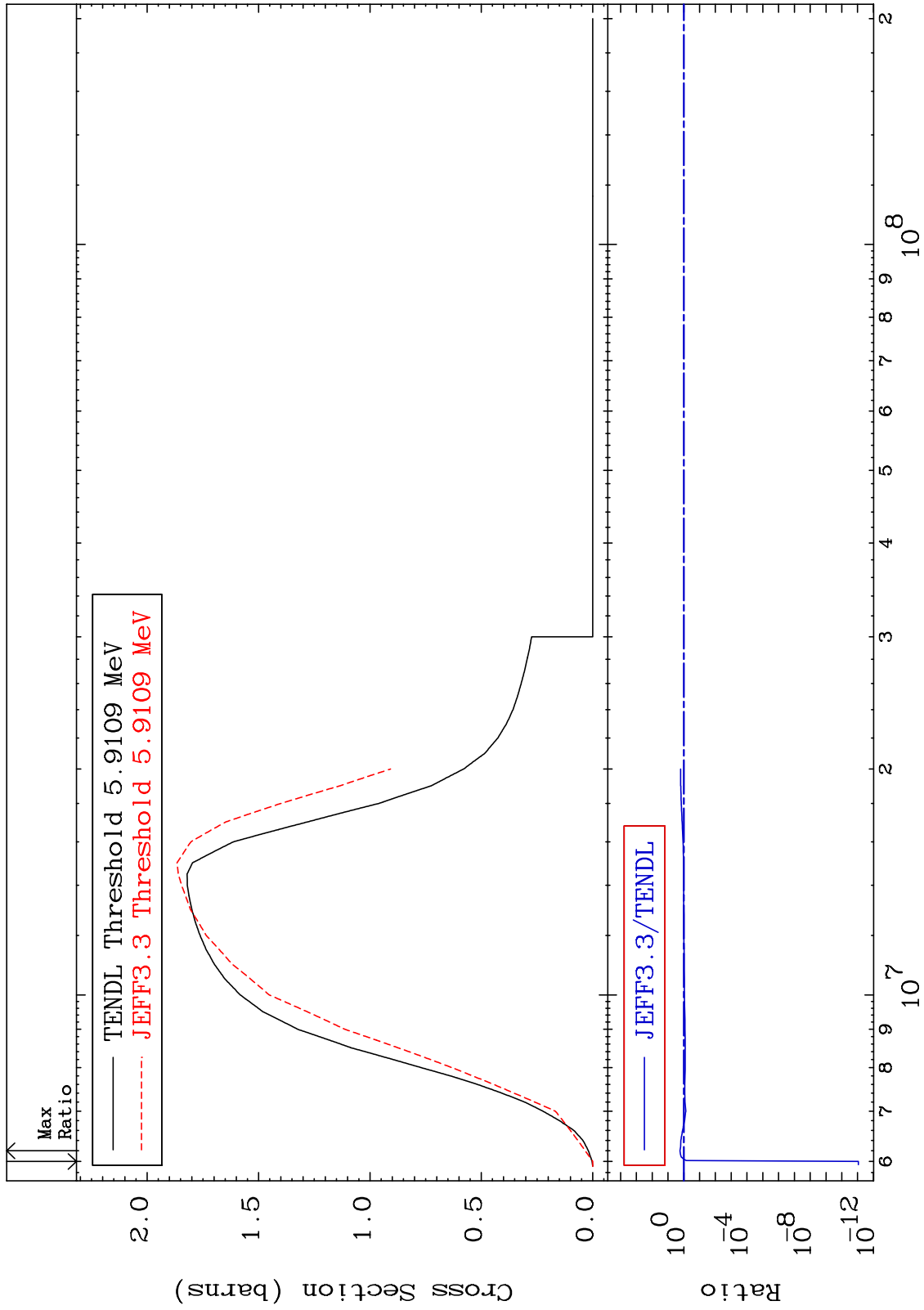
MAT 6240

(n, 2n)

62-Sm-149

Cross Section

-100.0 To 73.26 %



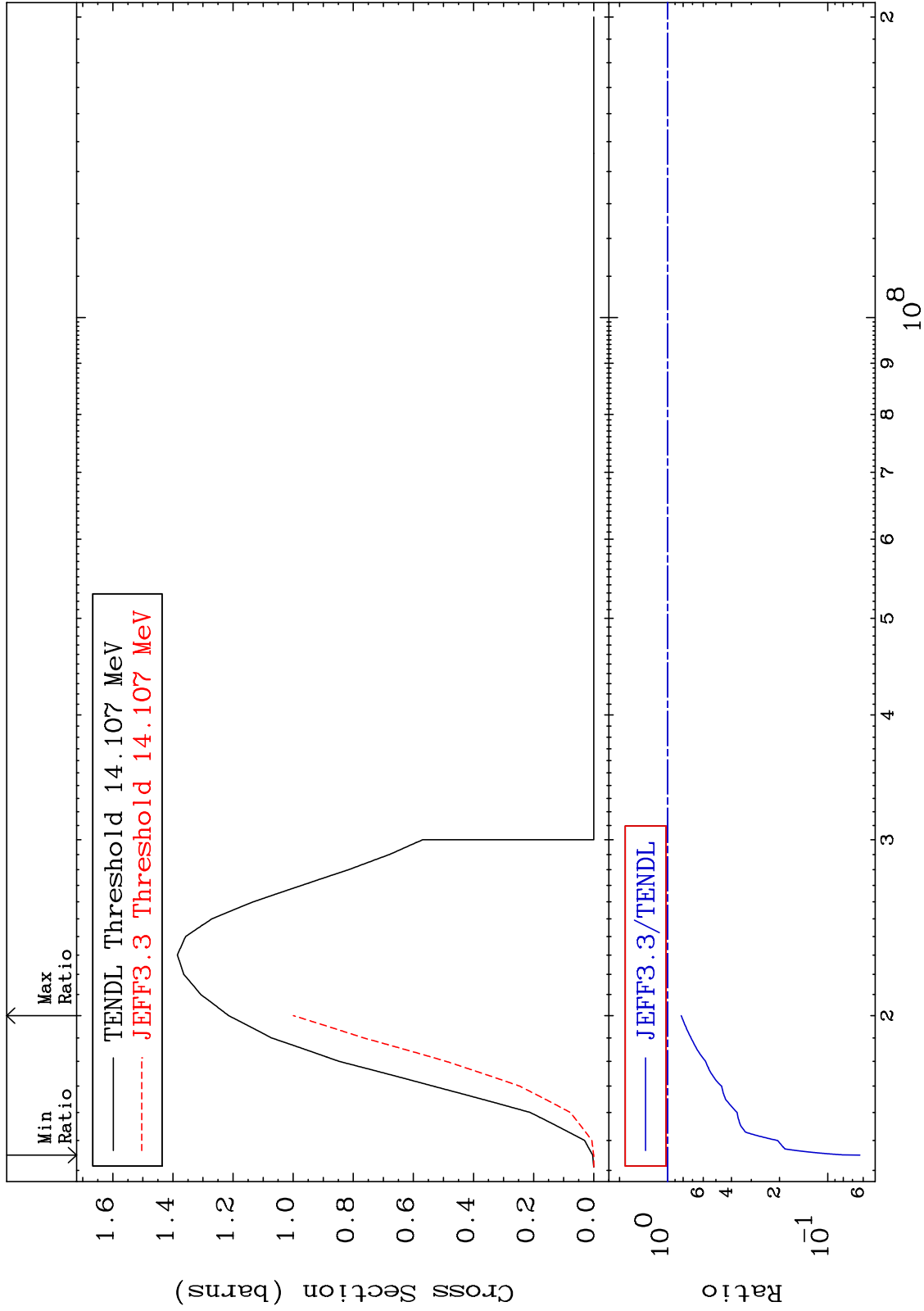
MAT 6240

(n, 3n)

62-Sm-149

Cross Section

-93.71 To -17.76%



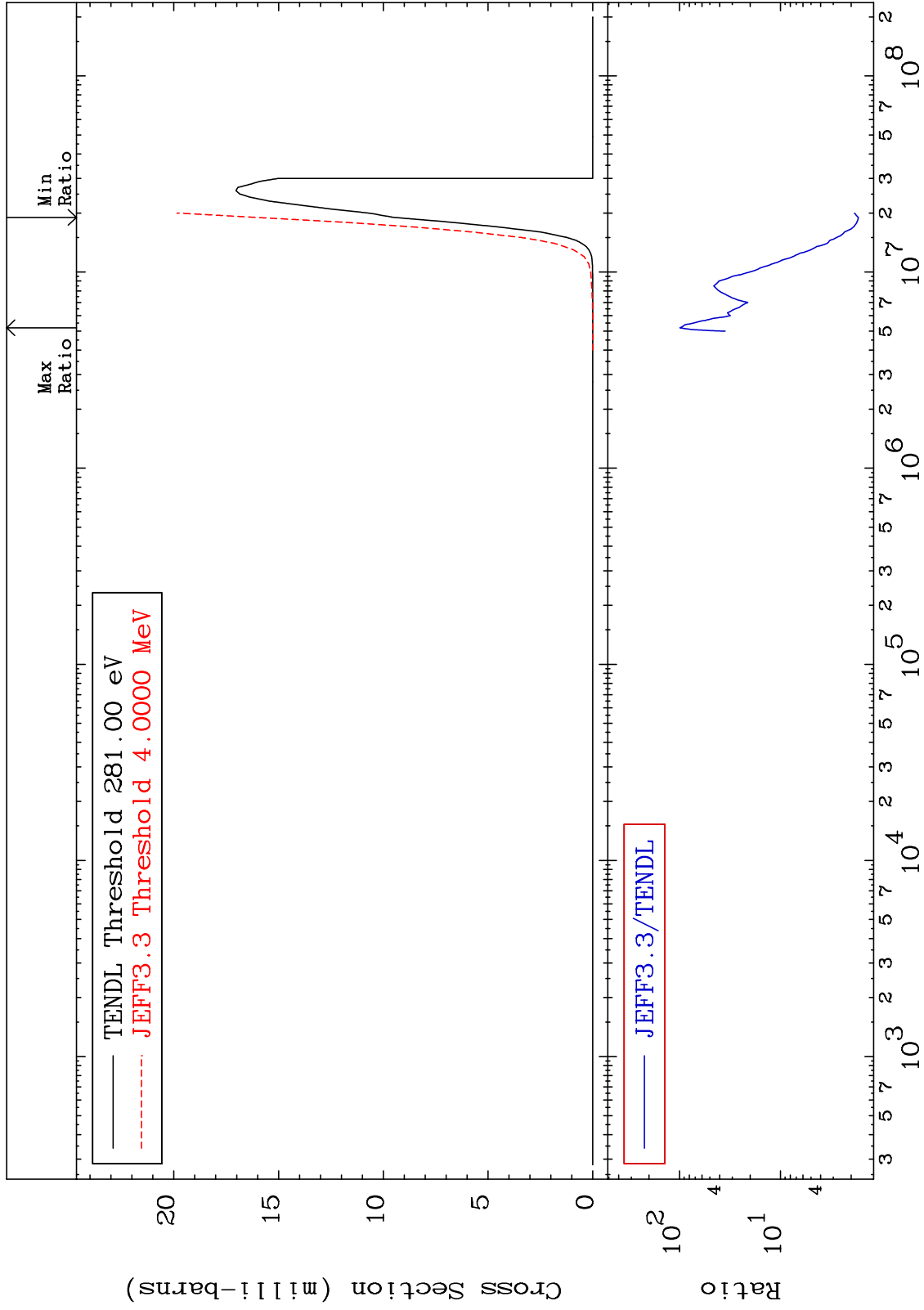
MAT 6240

(n, n') α

Cross Section

62-Sm-149

69.42 To 9779. %



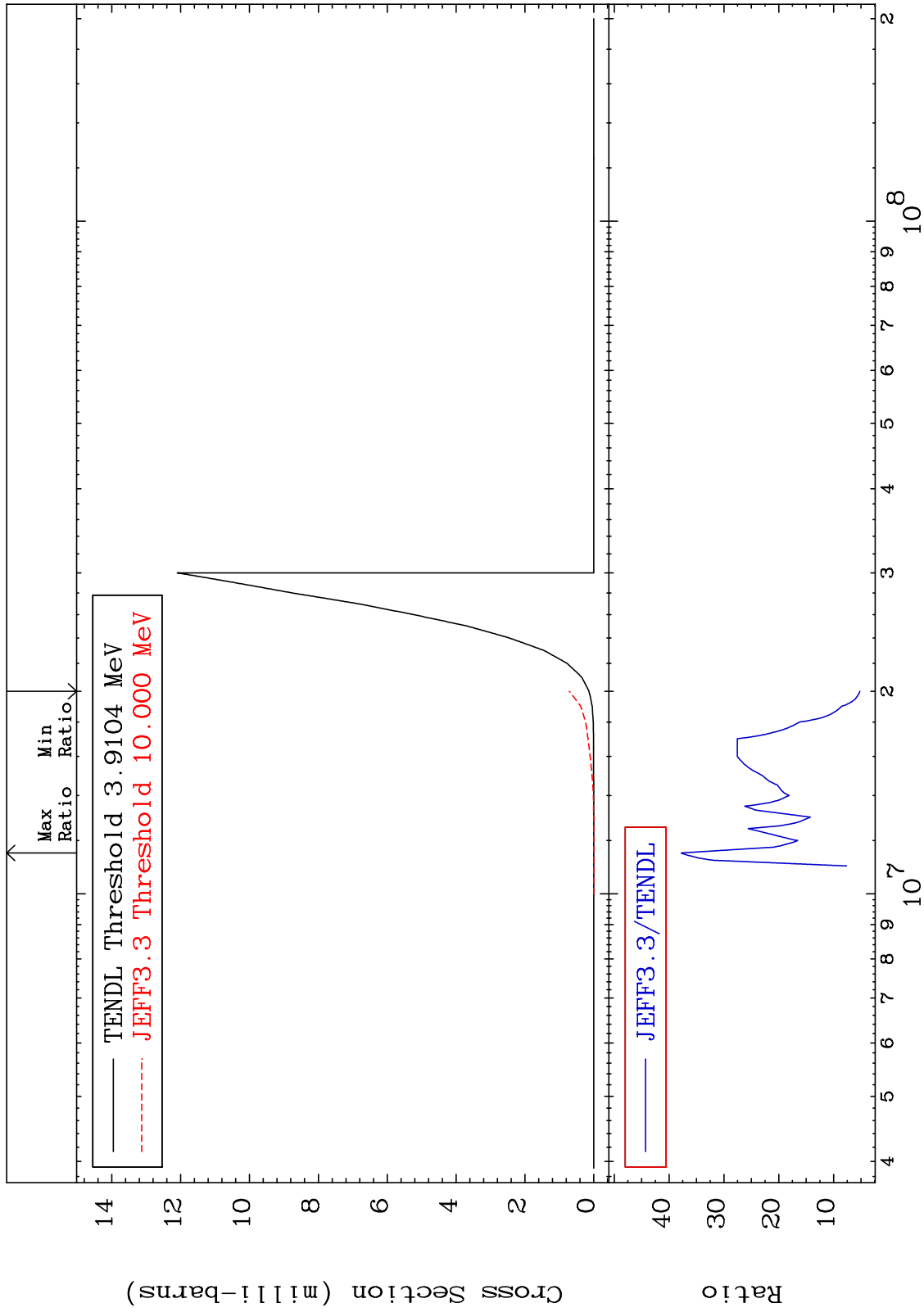
MAT 6240

(n,2n) α

62-Sm-149

419.5 To 3678. %

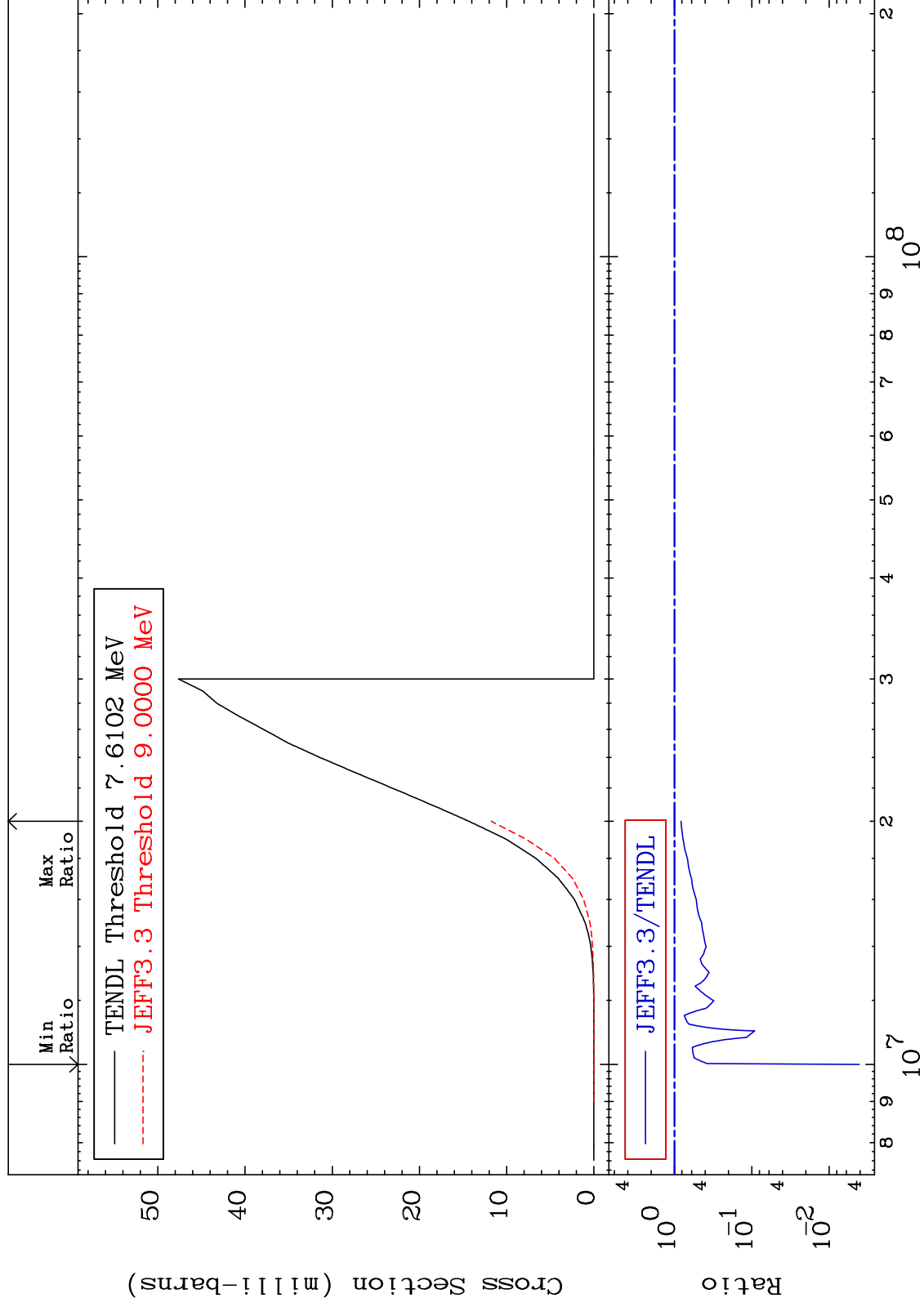
Cross Section



MAT 6240

(n, n') p
Cross Section

62-Sm-149
-99.59 To -17.82%



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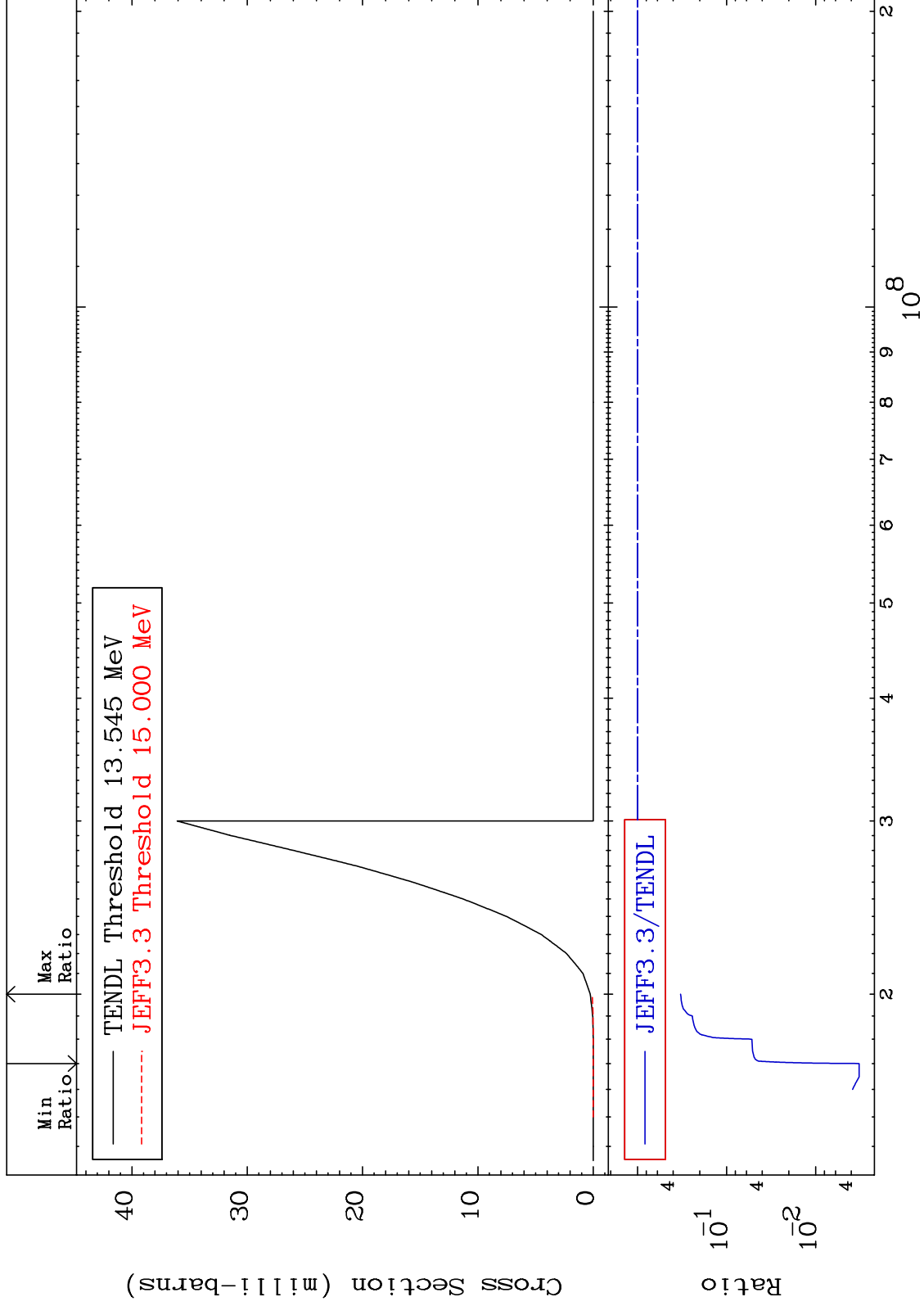
Incident Energy (eV)

62-Sm-149

MAT 6240

(n,2n) p
Cross Section

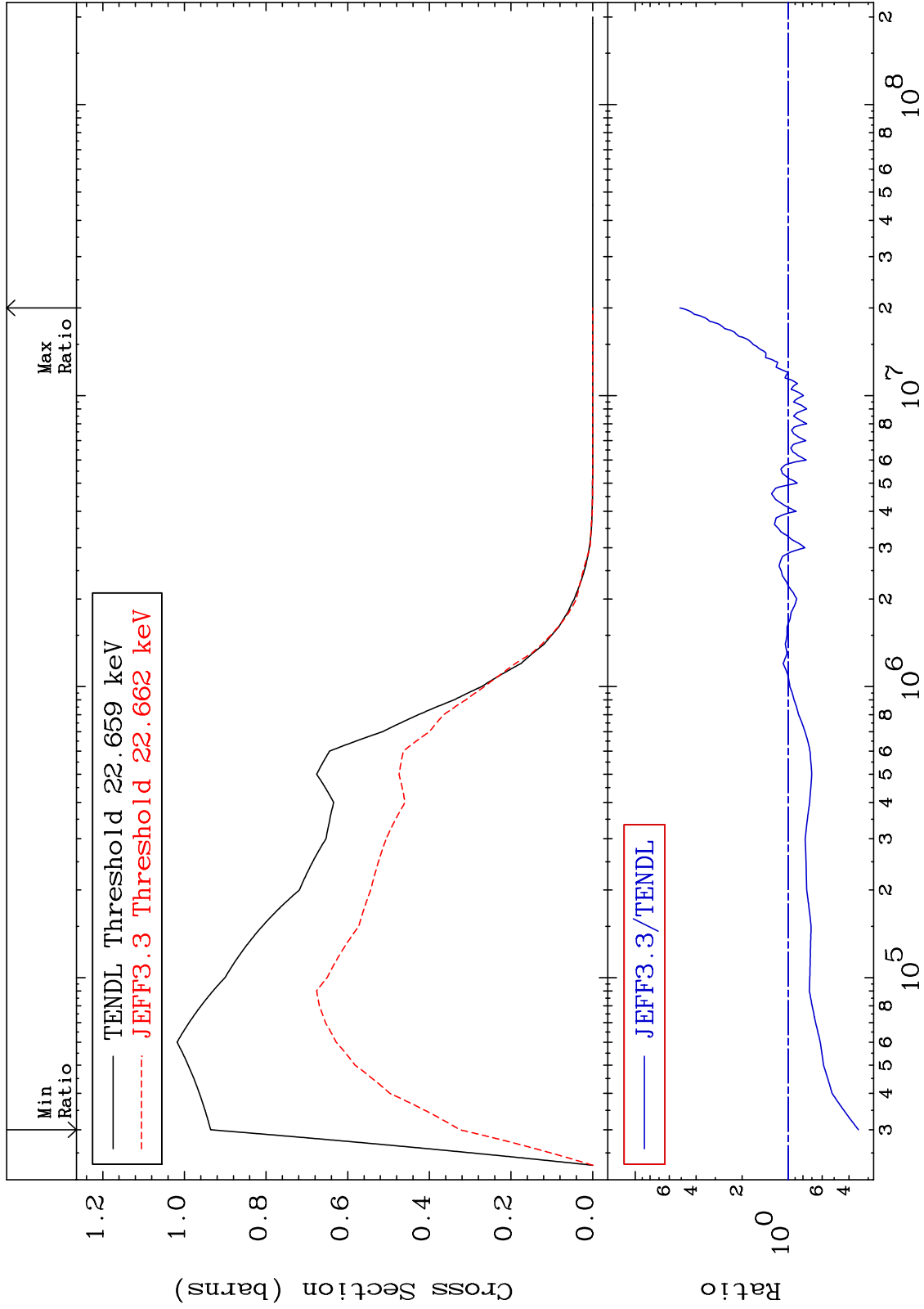
62-Sm-149
-99.67 To -67.13%



MAT 6240

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

62-Sm-149
-65.26 To 410.0 %

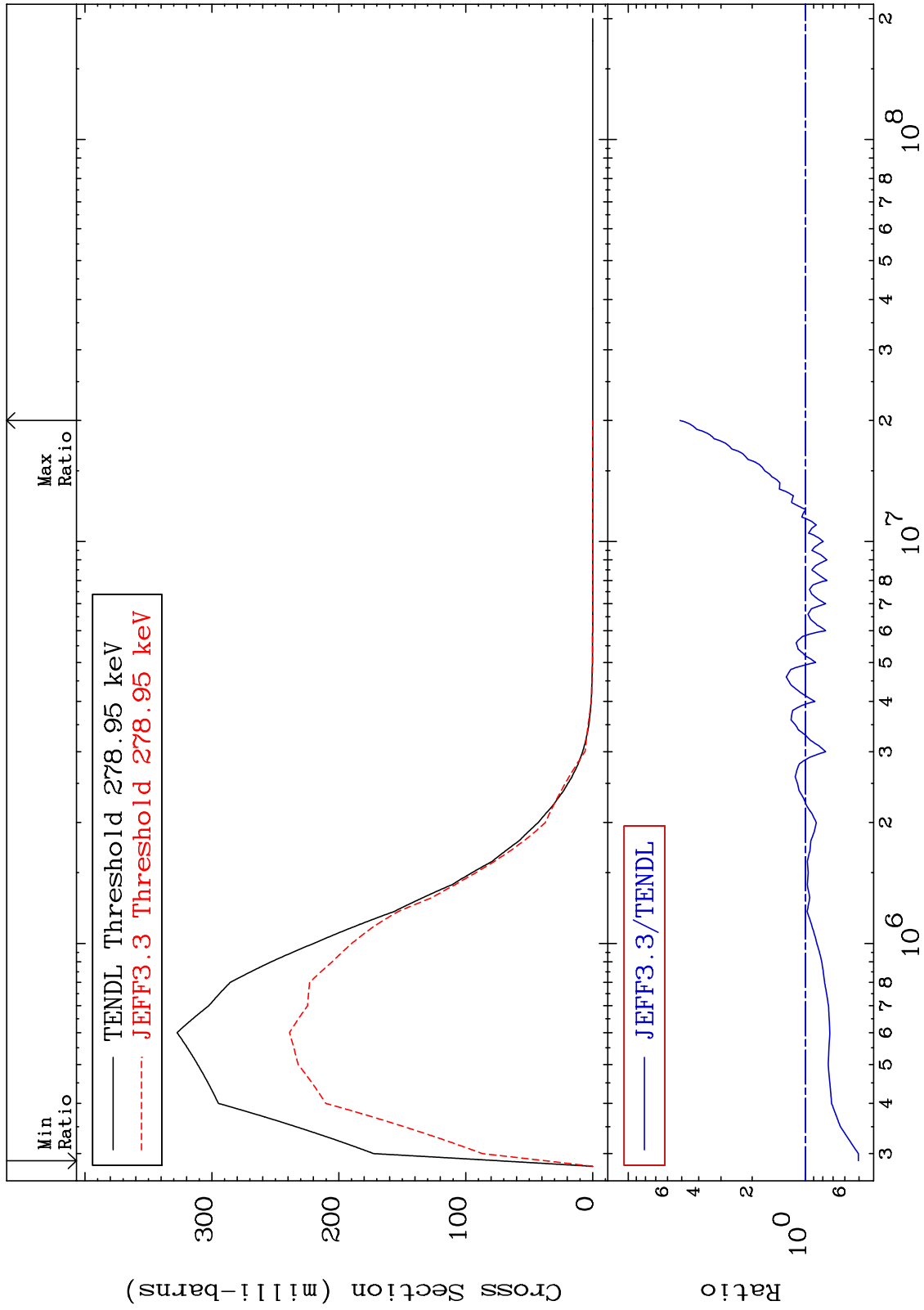


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Incident Energy (eV)

62-Sm-149

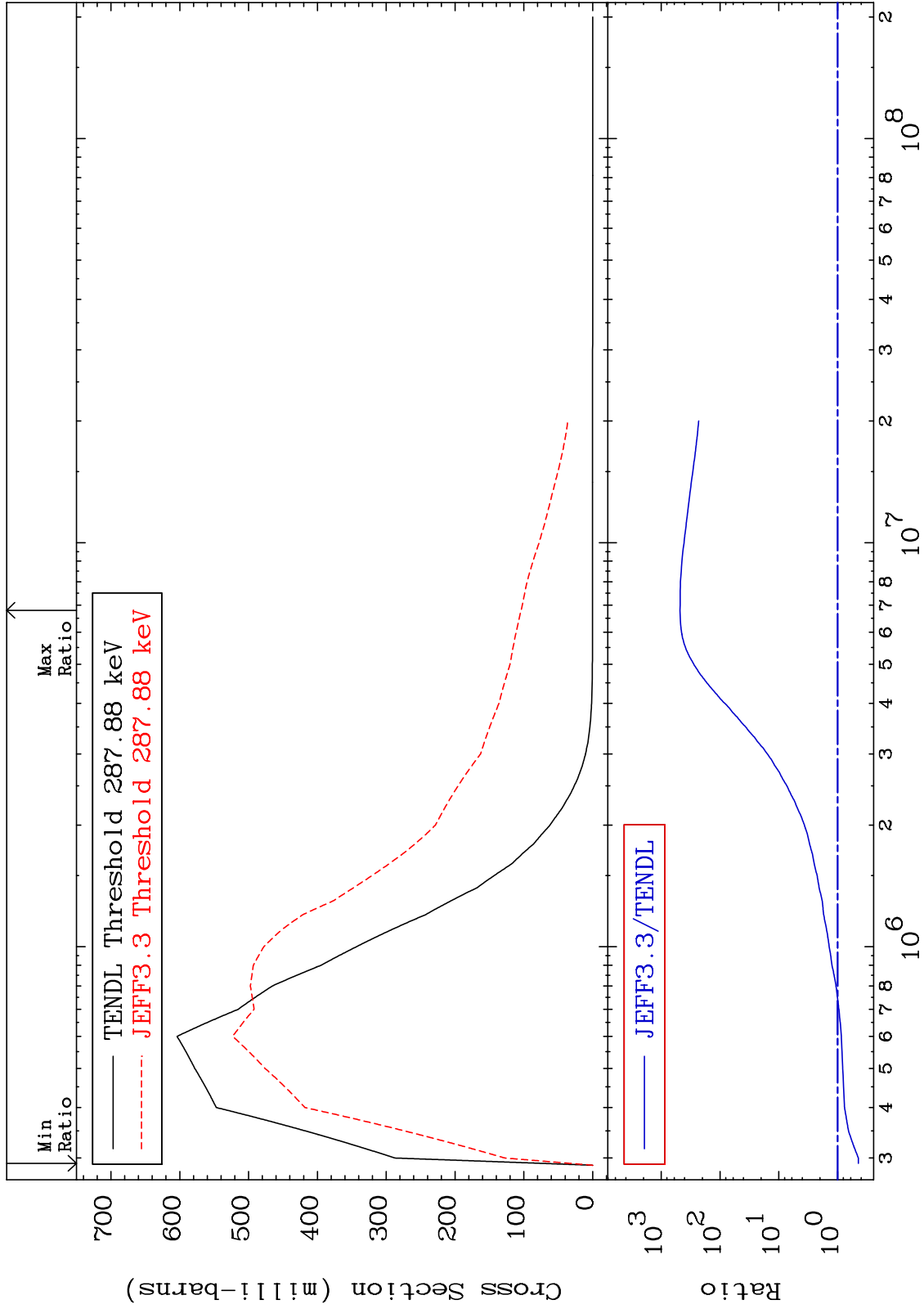
MAT 6240 MT= 52 (n,n') Level Cross Section 62-Sm-149 -49.65 To 410.6 %



MAT 6240

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

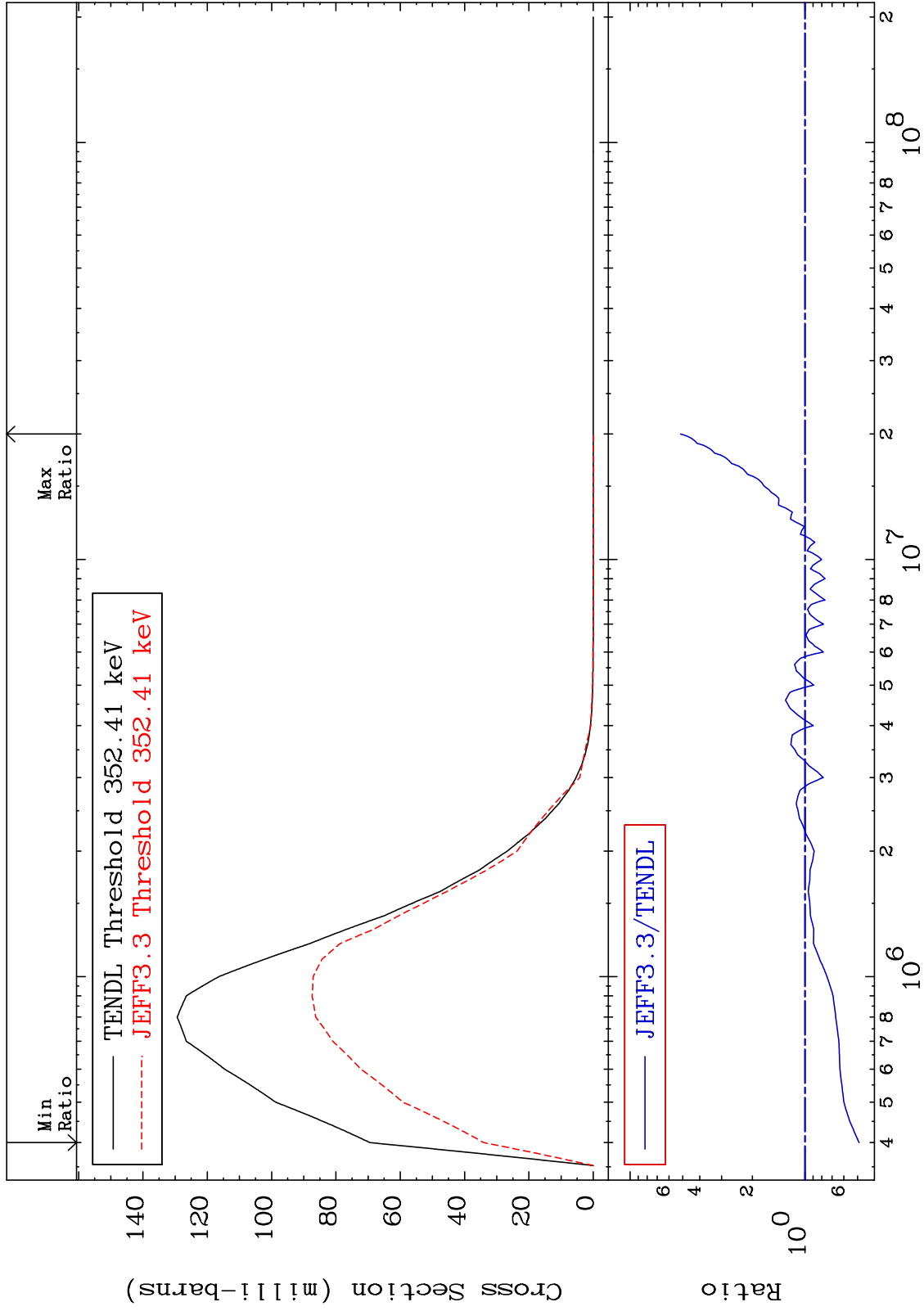
62-Sm-149
-55.55 To 9999. %



MAT 6240

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

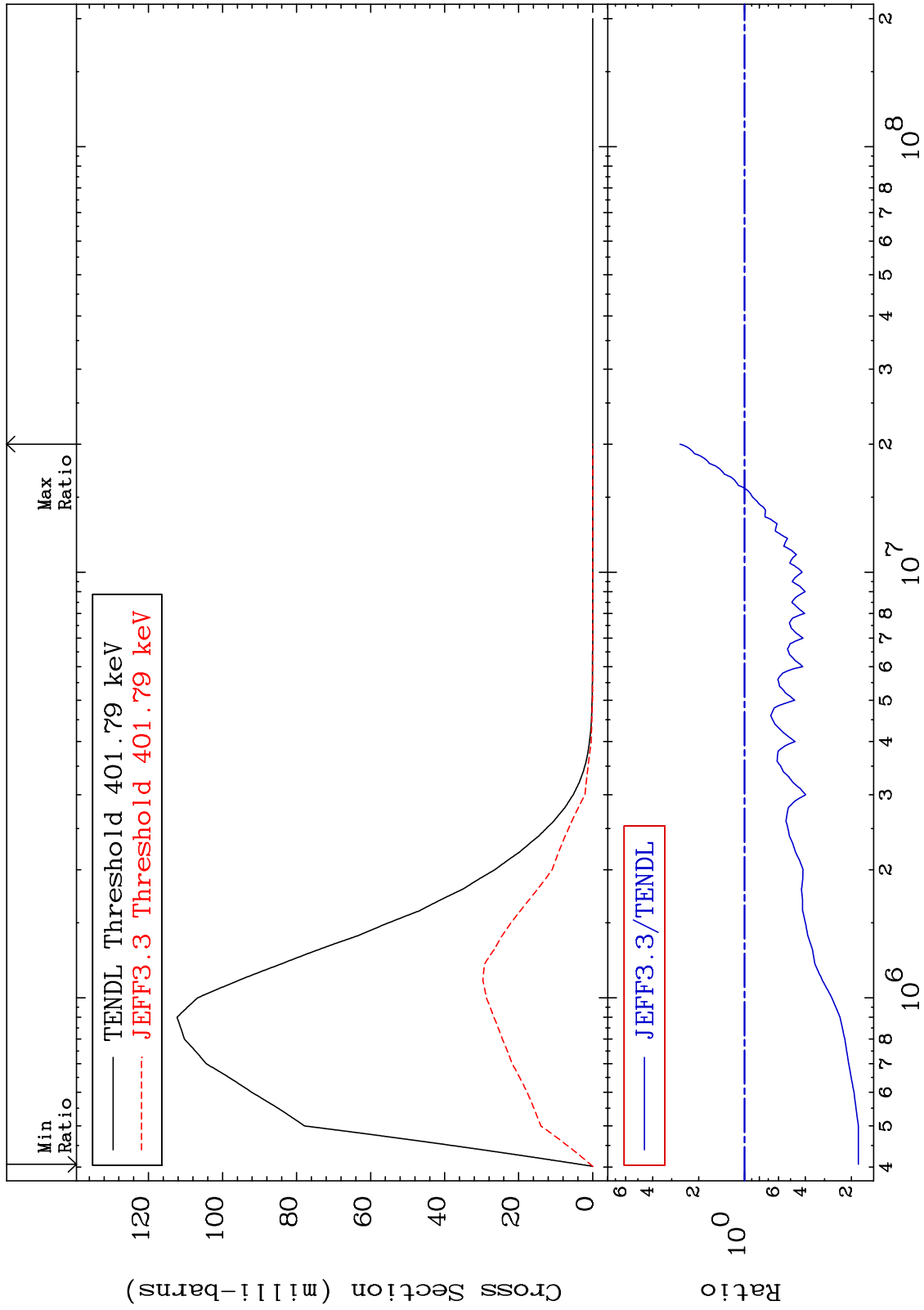
62-Sm-149
-51.03 To 414.2 %



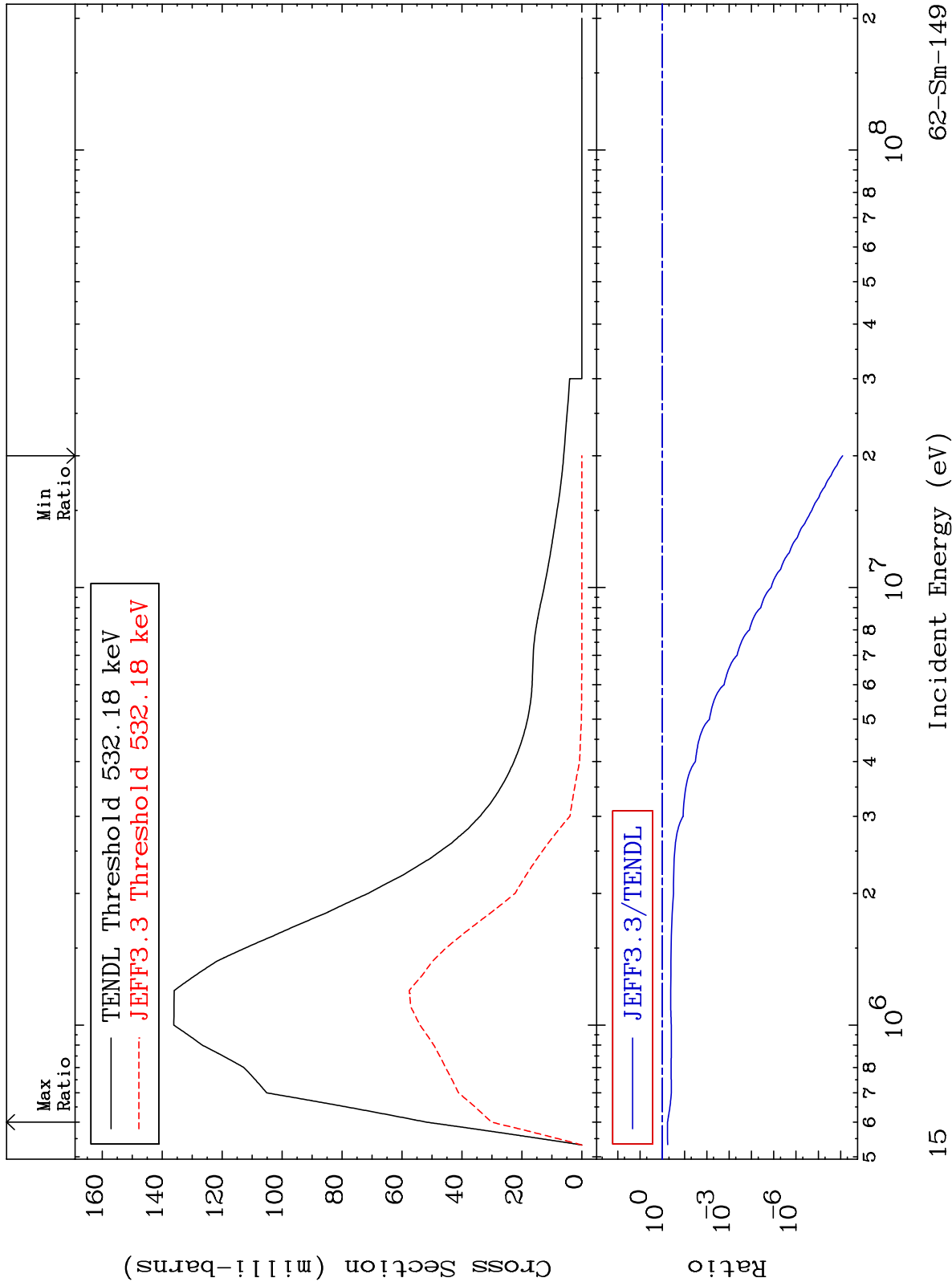
MAT 6240

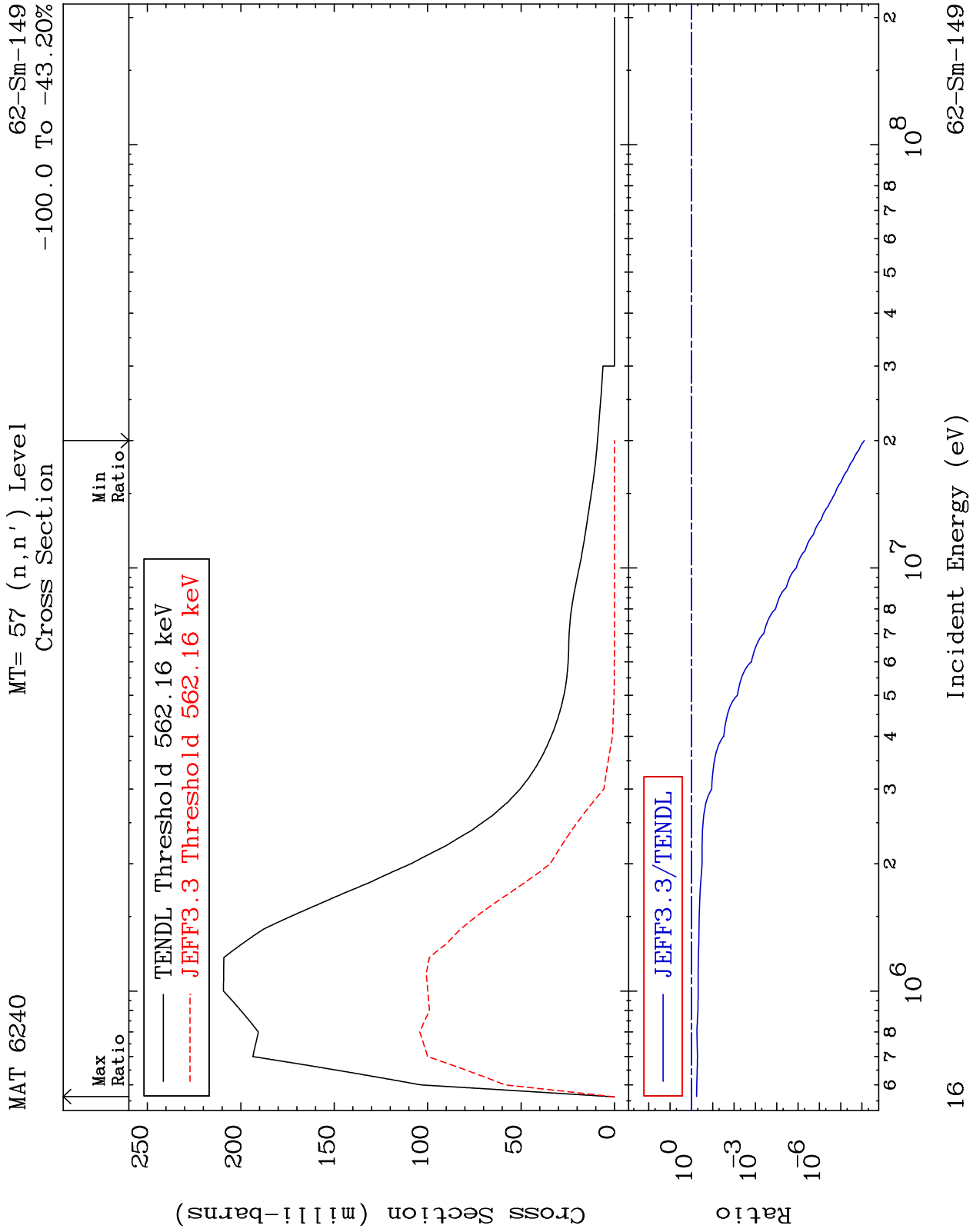
MT= 55 (n,n') Level
Cross Section

62-Sm-149
-82.00 To 164.7 %

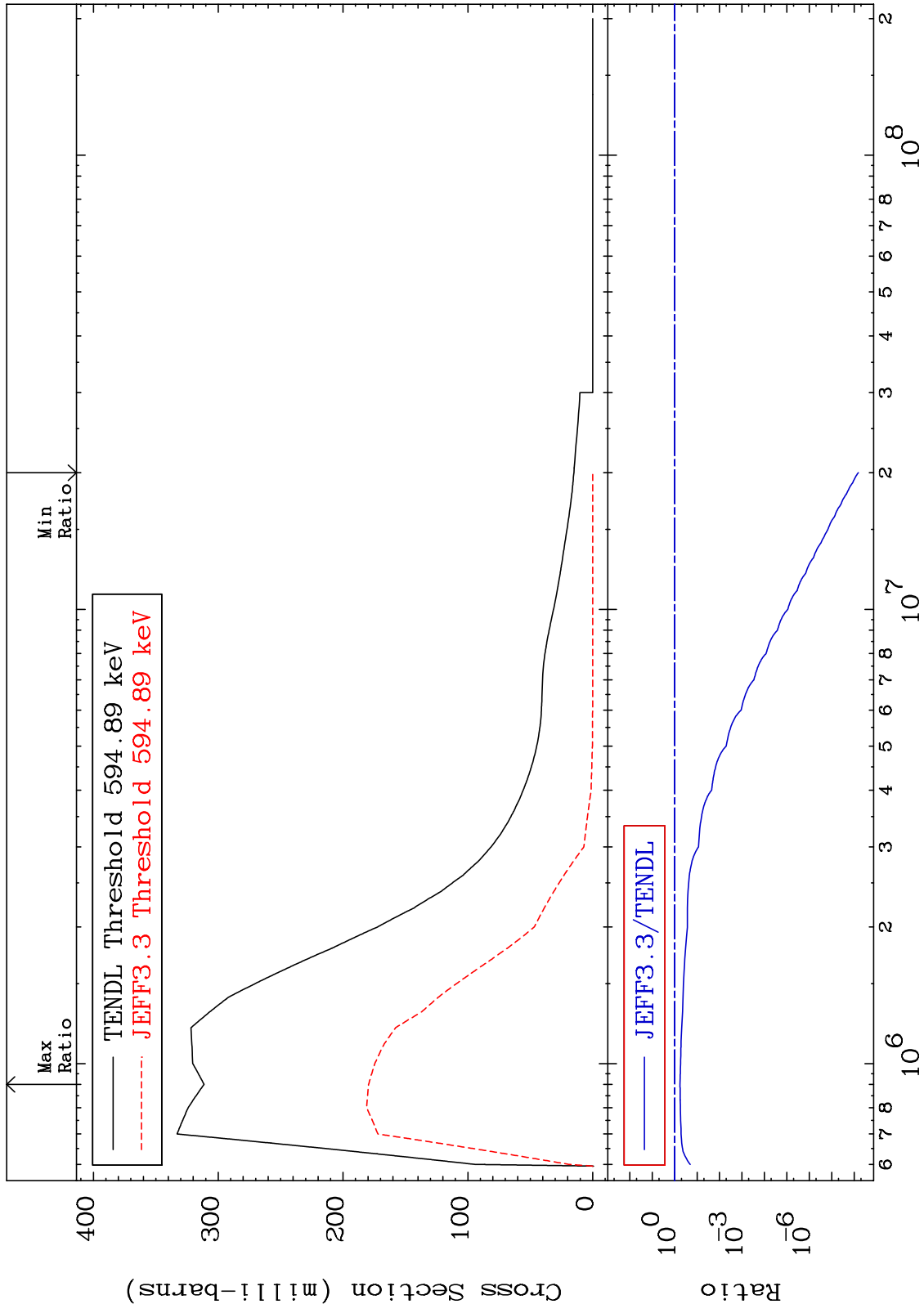


MAT 6240 MT= 56 (n,n') Level Cross Section 62-Sm-149 -100.0 To -41.87%

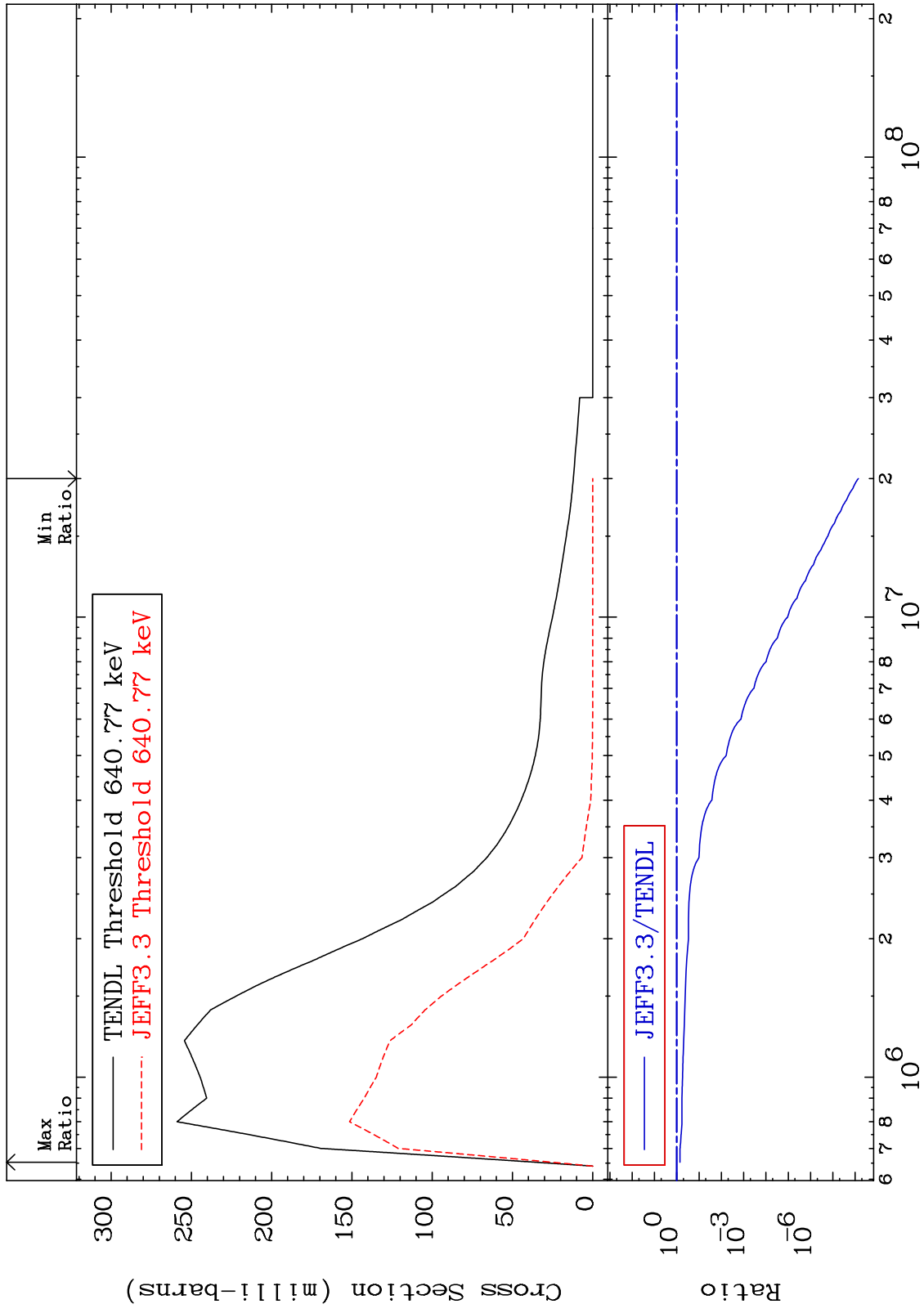




MAT 6240 MT= 58 (n,n') Level Cross Section 62-Sm-149
-100.0 To -42.33%

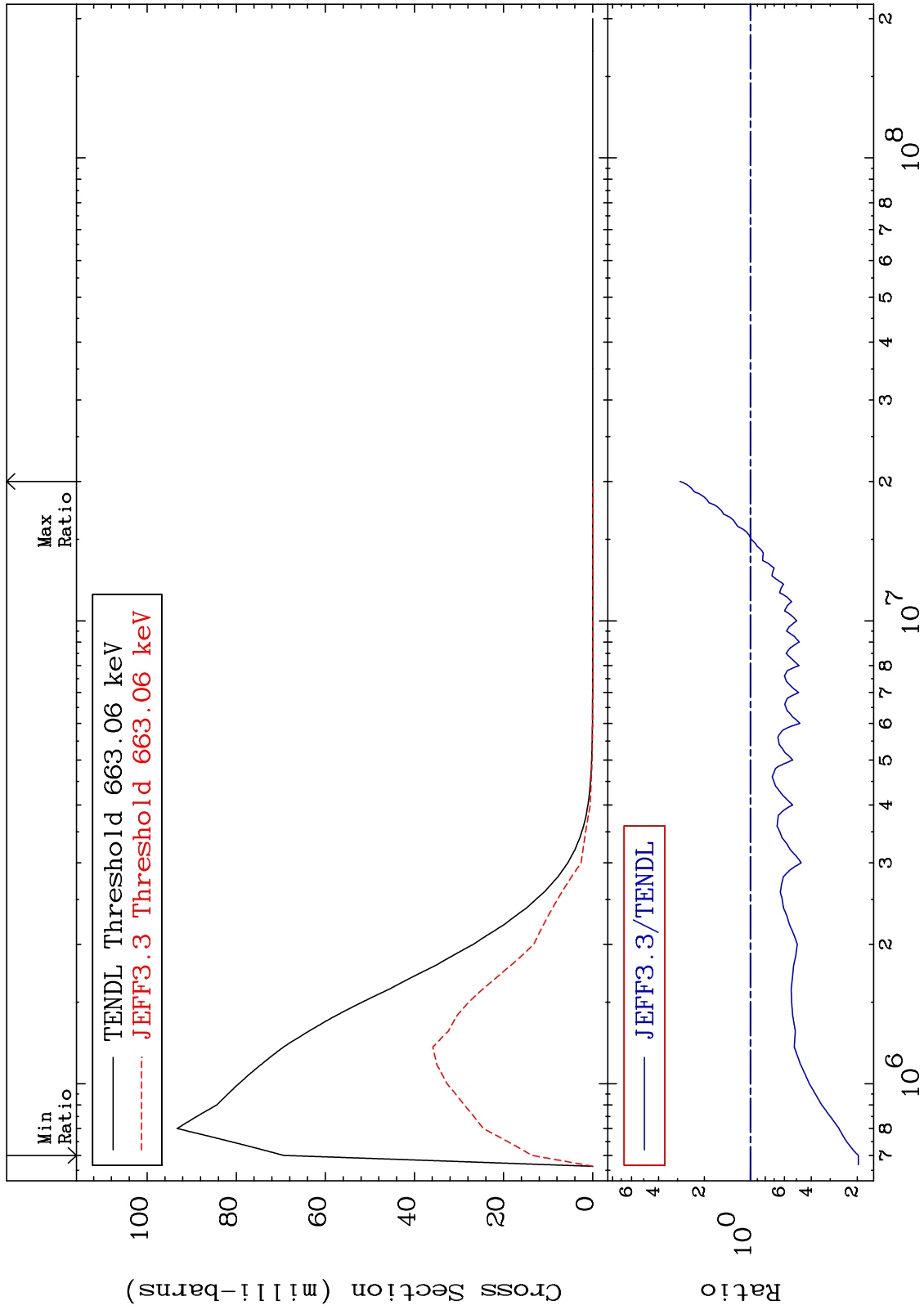


MAT 6240 MT= 59 (n,n') Level 62-Sm-149
 Cross Section -100.0 To -28.46%

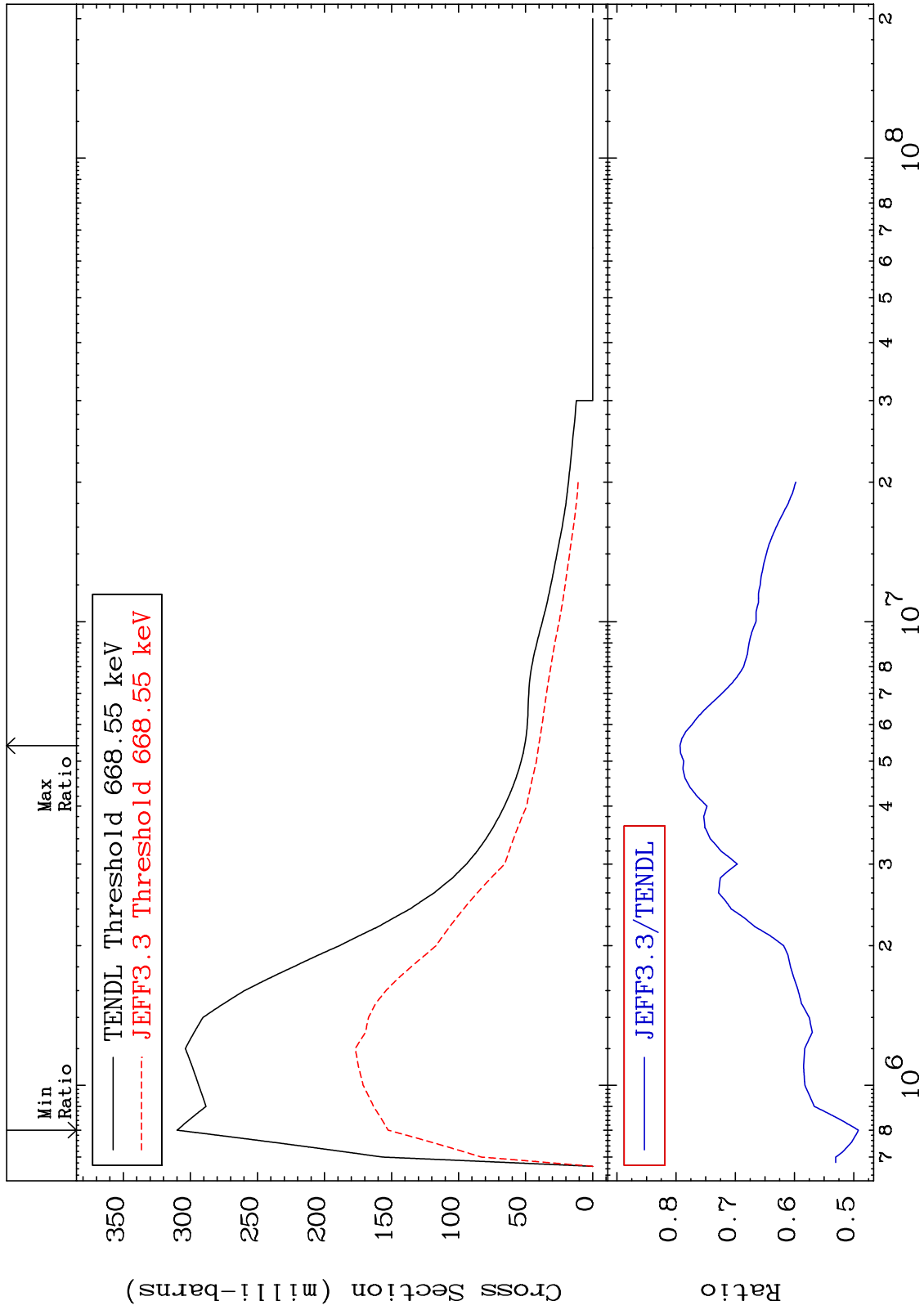


18 Incident Energy (eV) 62-Sm-149

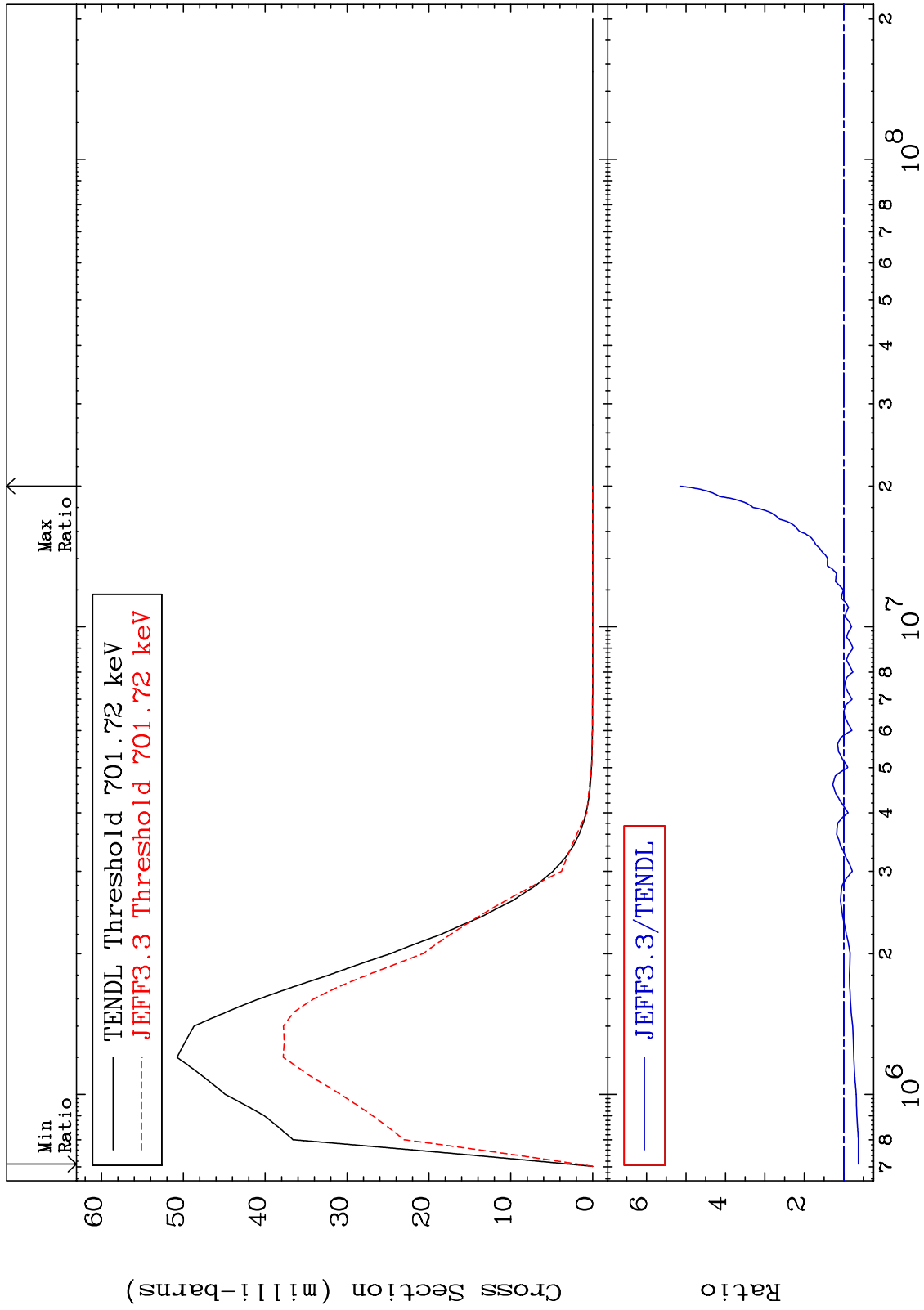
MAT 6240 MT= 60 (n,n') Level 62-Sm-149
 Cross Section -80.36 To 189.2 %



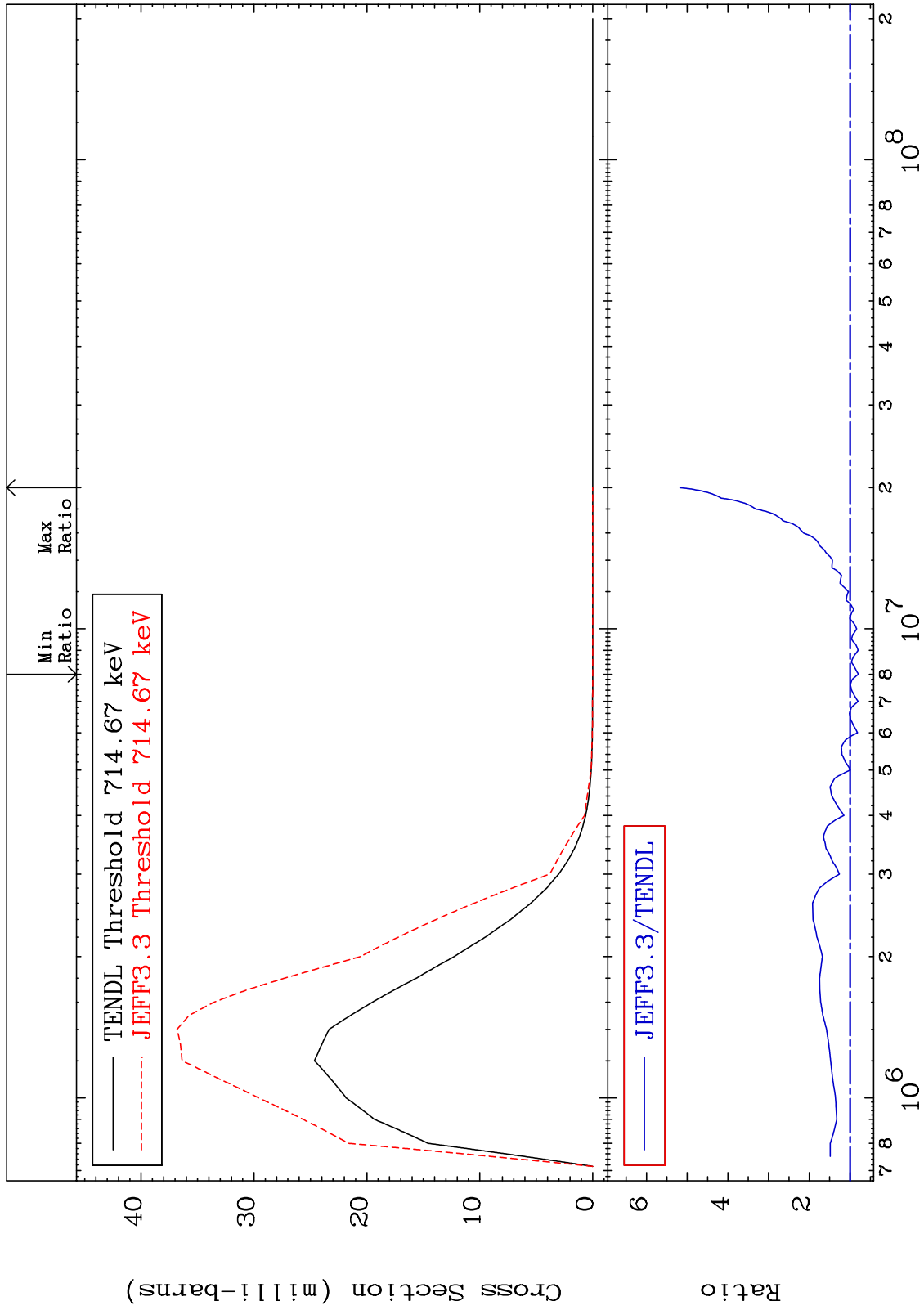
MAT 6240 MT= 61 (n,n') Level Cross Section 62-Sm-149 -50.79 To -20.66%



MAT 6240 MT= 62 (n,n') Level Cross Section 62-Sm-149 -37.06 To 415.1 %



MAT 6240 MT= 63 (n,n') Level 62-Sm-149
 Cross Section -20.69 To 417.6 %

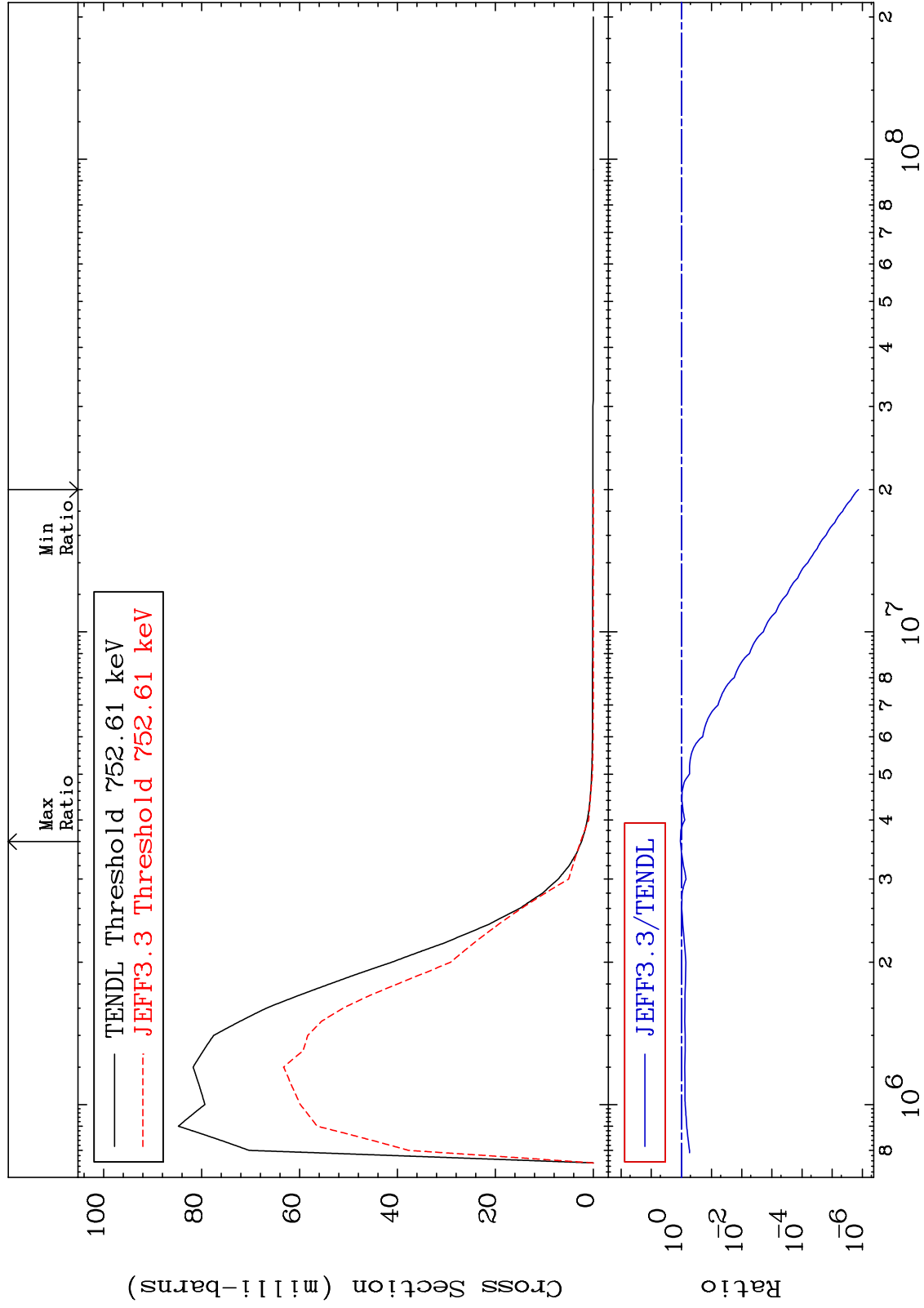


22 Incident Energy (eV) 62-Sm-149

MAT 6240

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

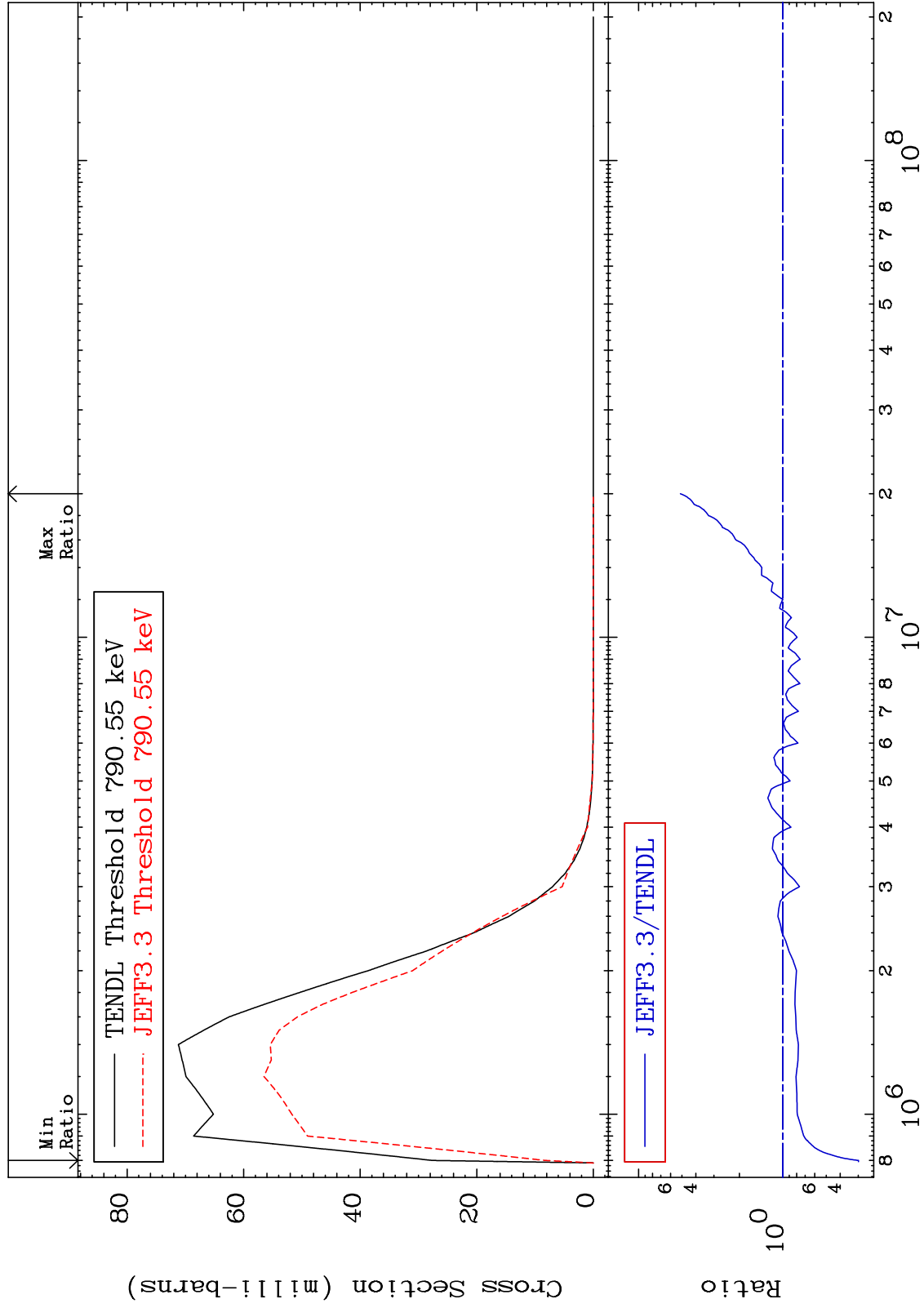
62-Sm-149
-100.0 To 7.549 %



MAT 6240

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

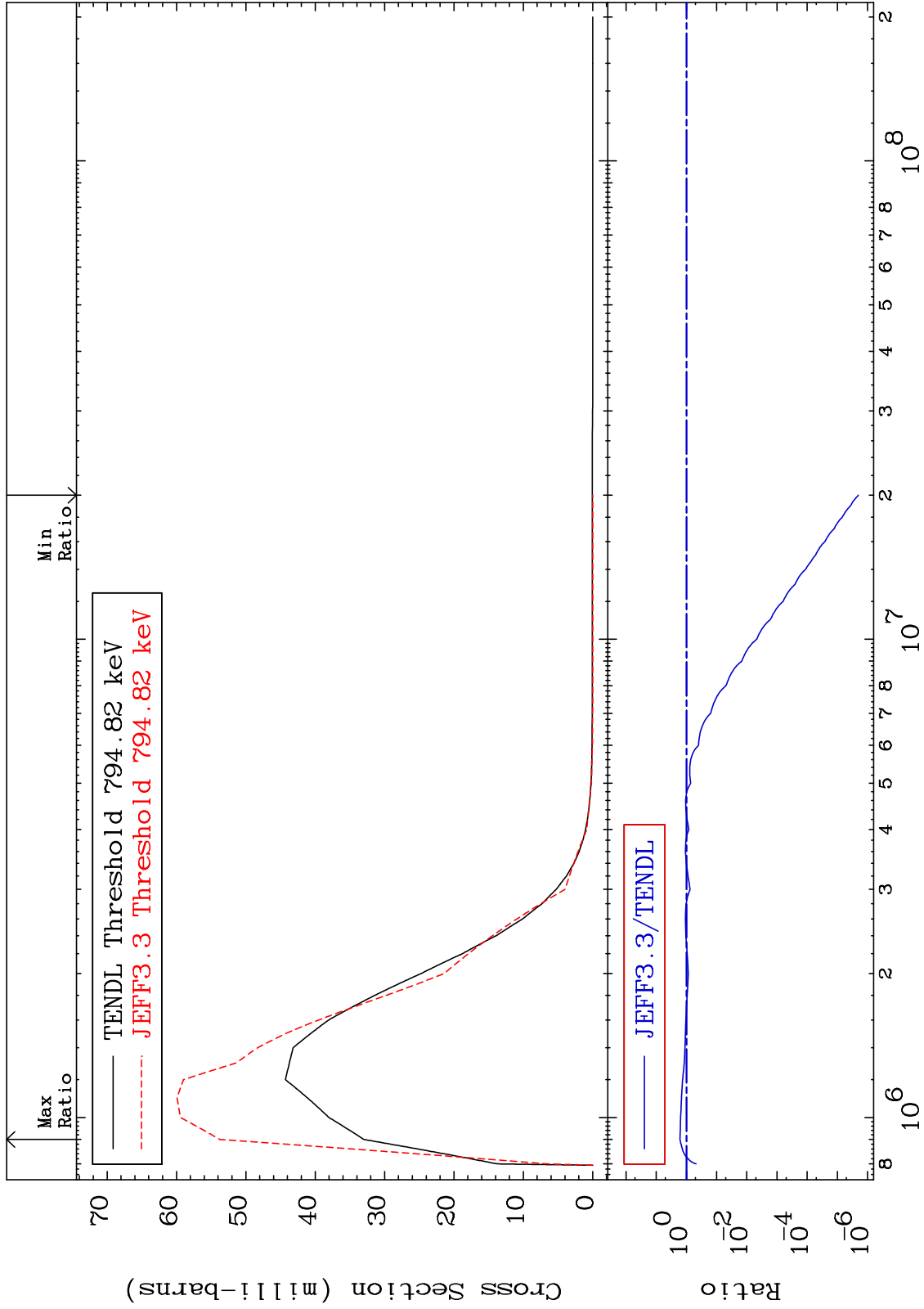
62-Sm-149
-70.18 To 411.8 %



MAT 6240

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

62-Sm-149
-100.0 To 62.91 %



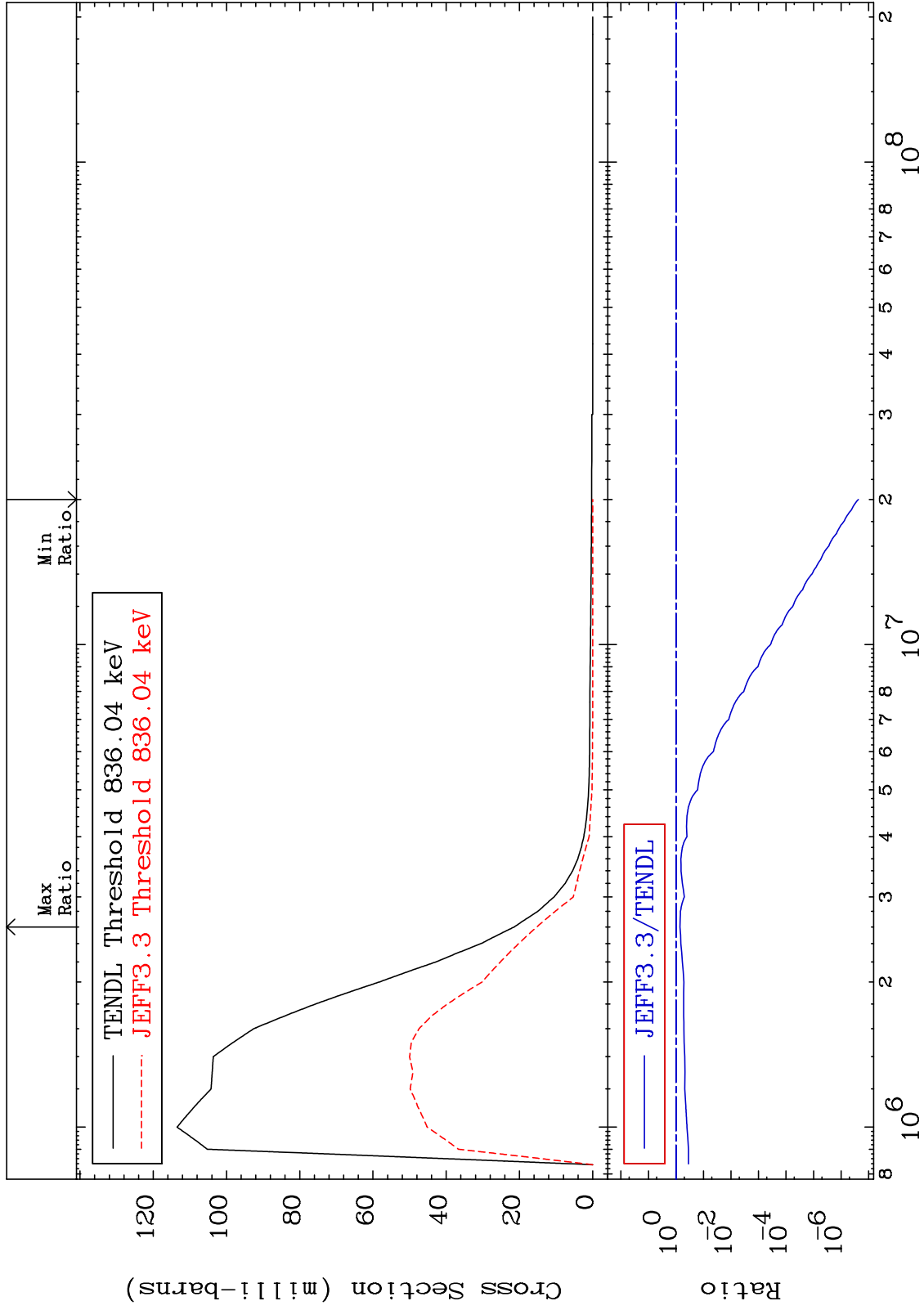
25

62-Sm-149

MAT 6240

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

62-Sm-149
-100.0 To -28.81%

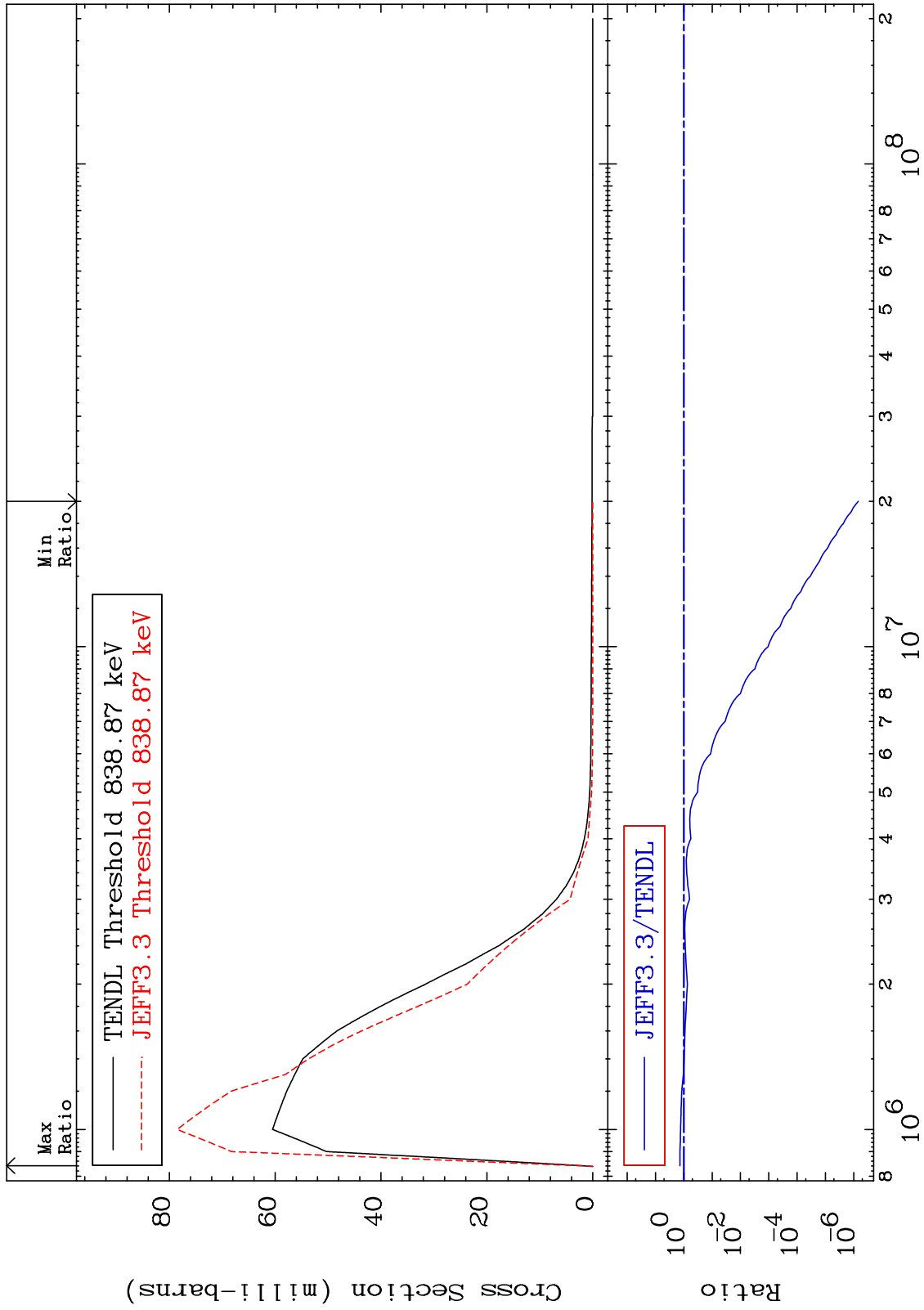


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Incident Energy (eV)

62-Sm-149

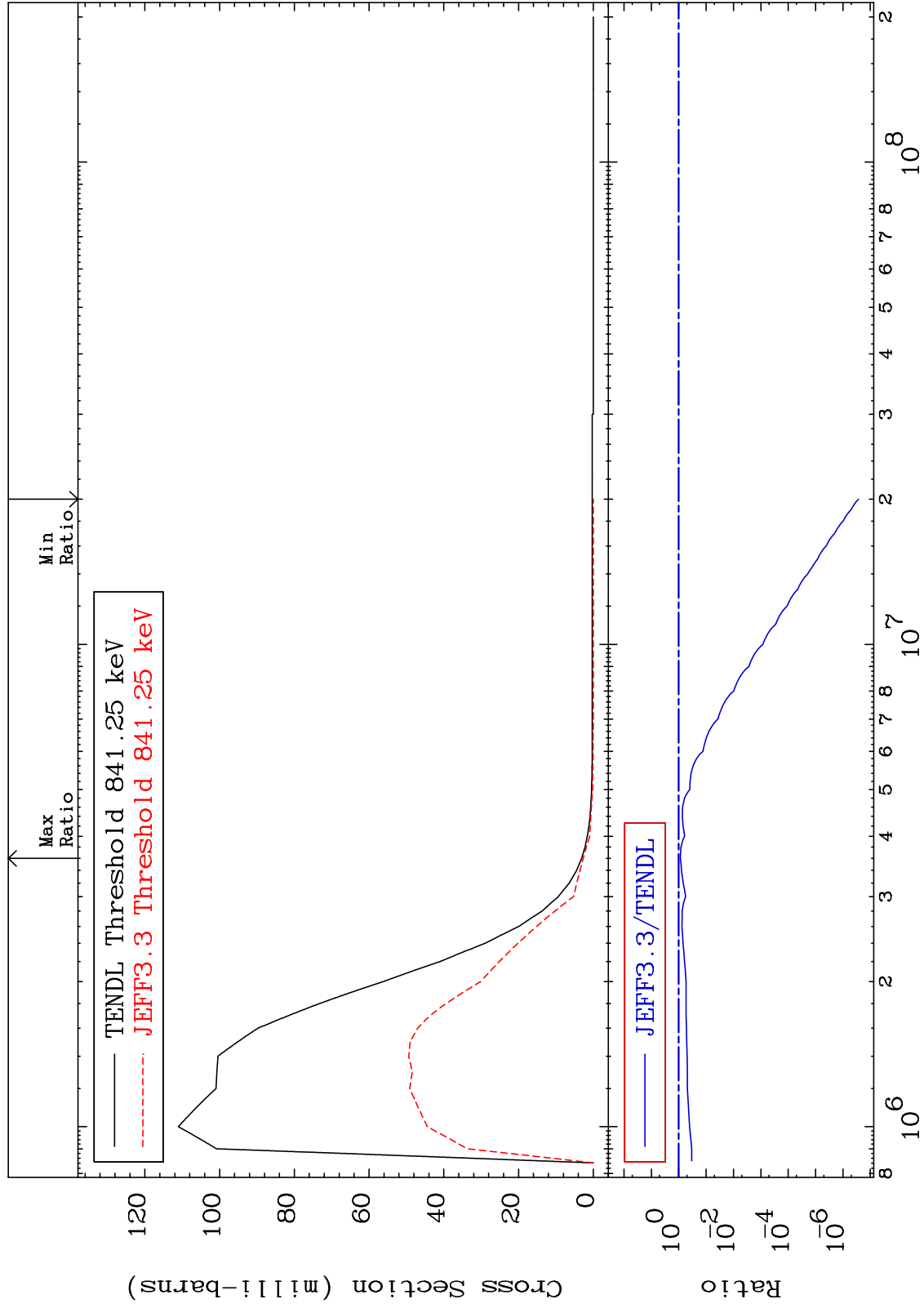
MAT 6240 MT= 68 (n,n') Level Cross Section 62-Sm-149
-100.0 To 35.74 %



MAT 6240

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

62-Sm-149
-100.0 To -13.57%



28

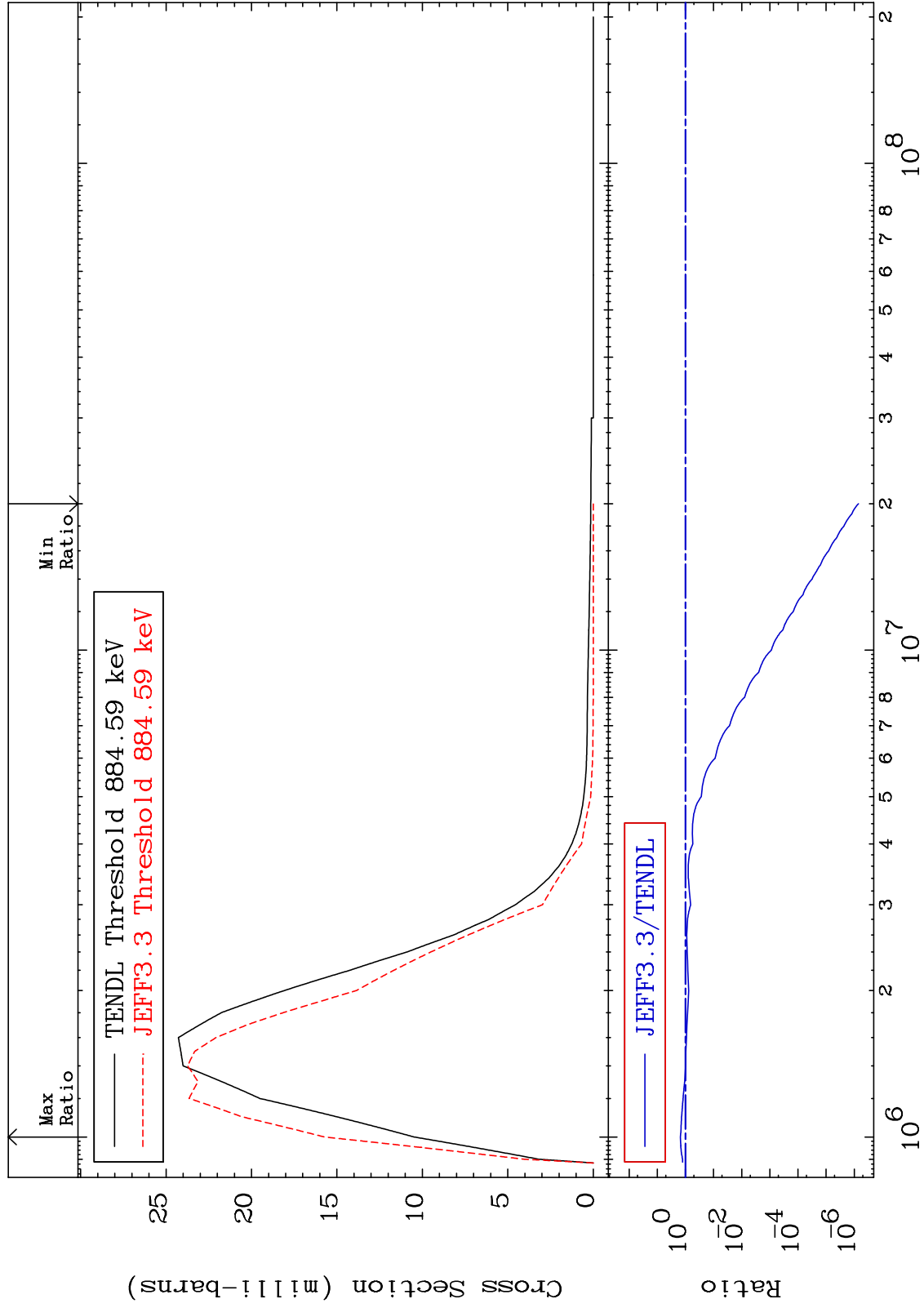
Incident Energy (eV)

62-Sm-149

MAT 6240

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

62-Sm-149
-100.0 To 50.06 %



29

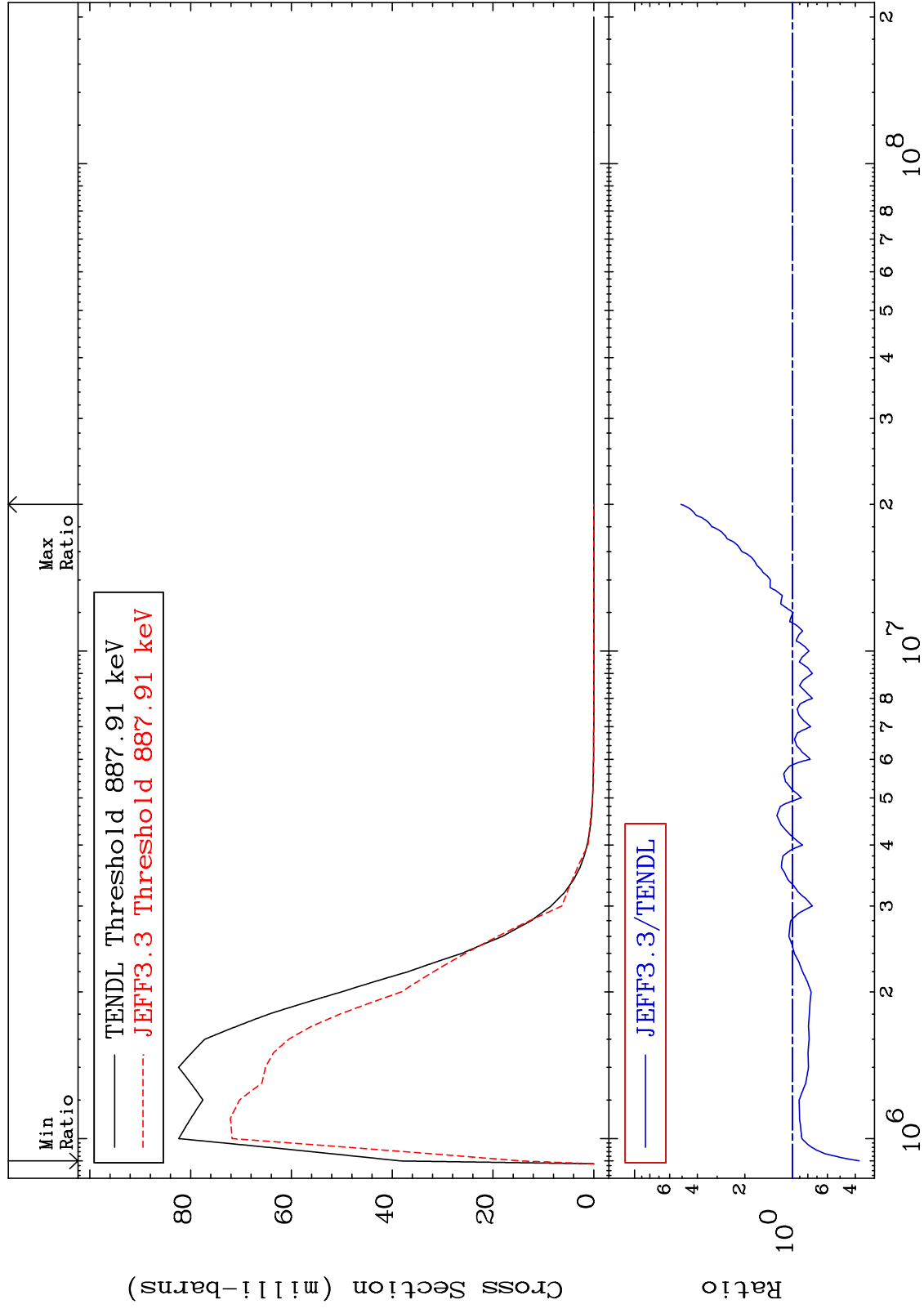
Incident Energy (eV)

62-Sm-149

MAT 6240

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

62-Sm-149
-62.28 To 407.6 %



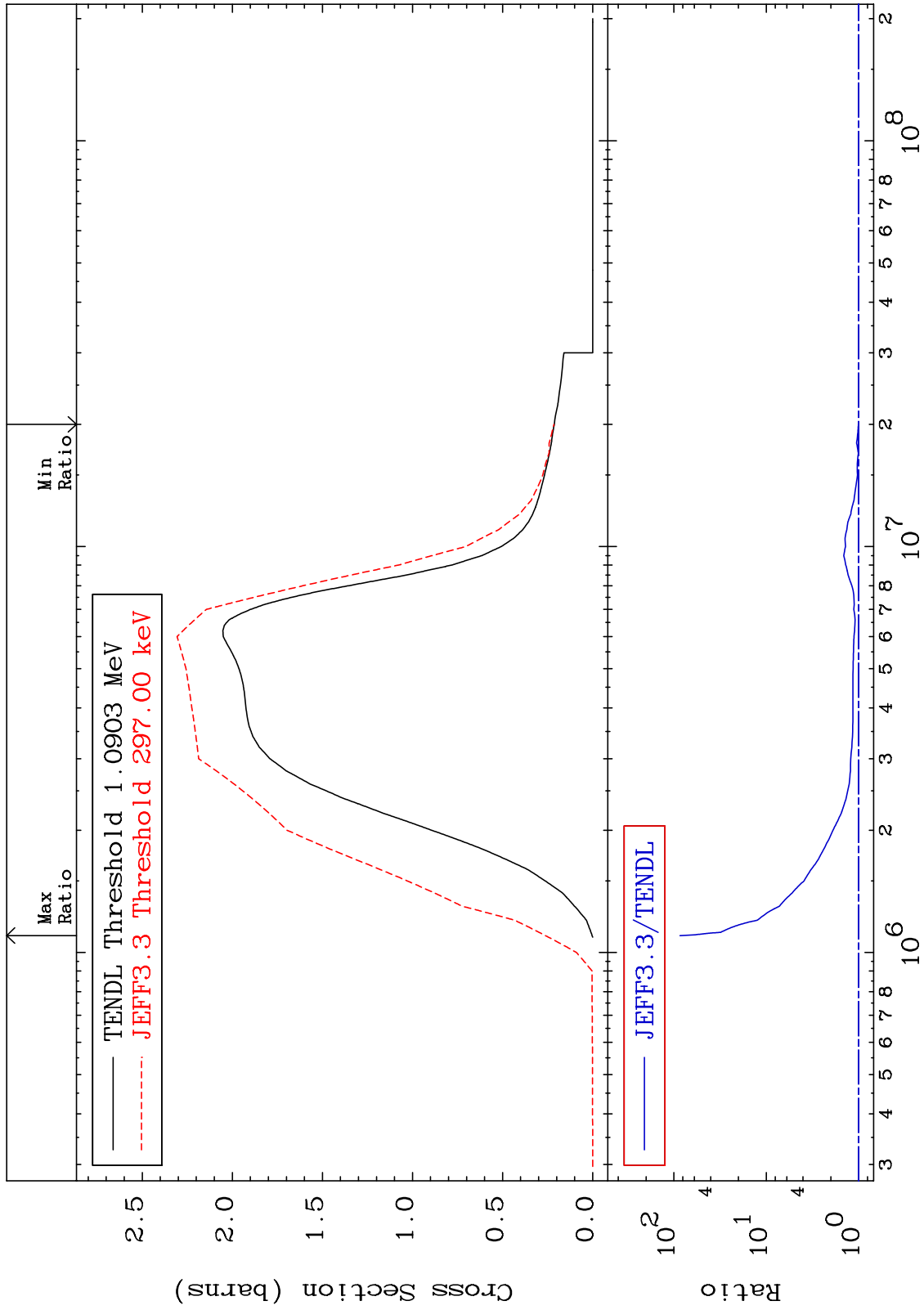
62-Sm-149

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MAT 6240

(n, n') Continuum
Cross Section

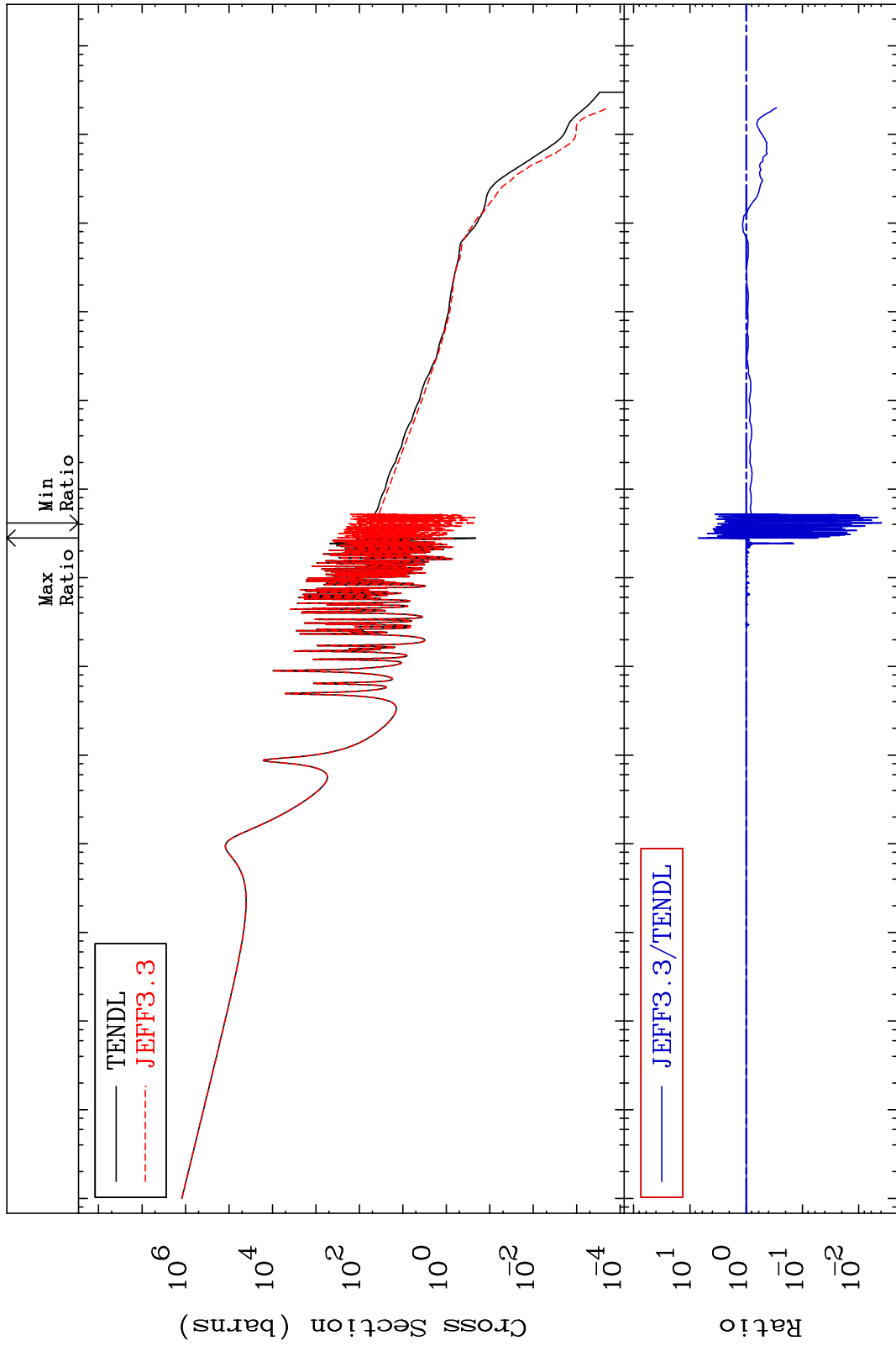
62-Sm-149
0.668 To 8489. %



MAT 6240

62-Sm-149

(n, γ)
Cross Section
-99.61 To 608.4 %



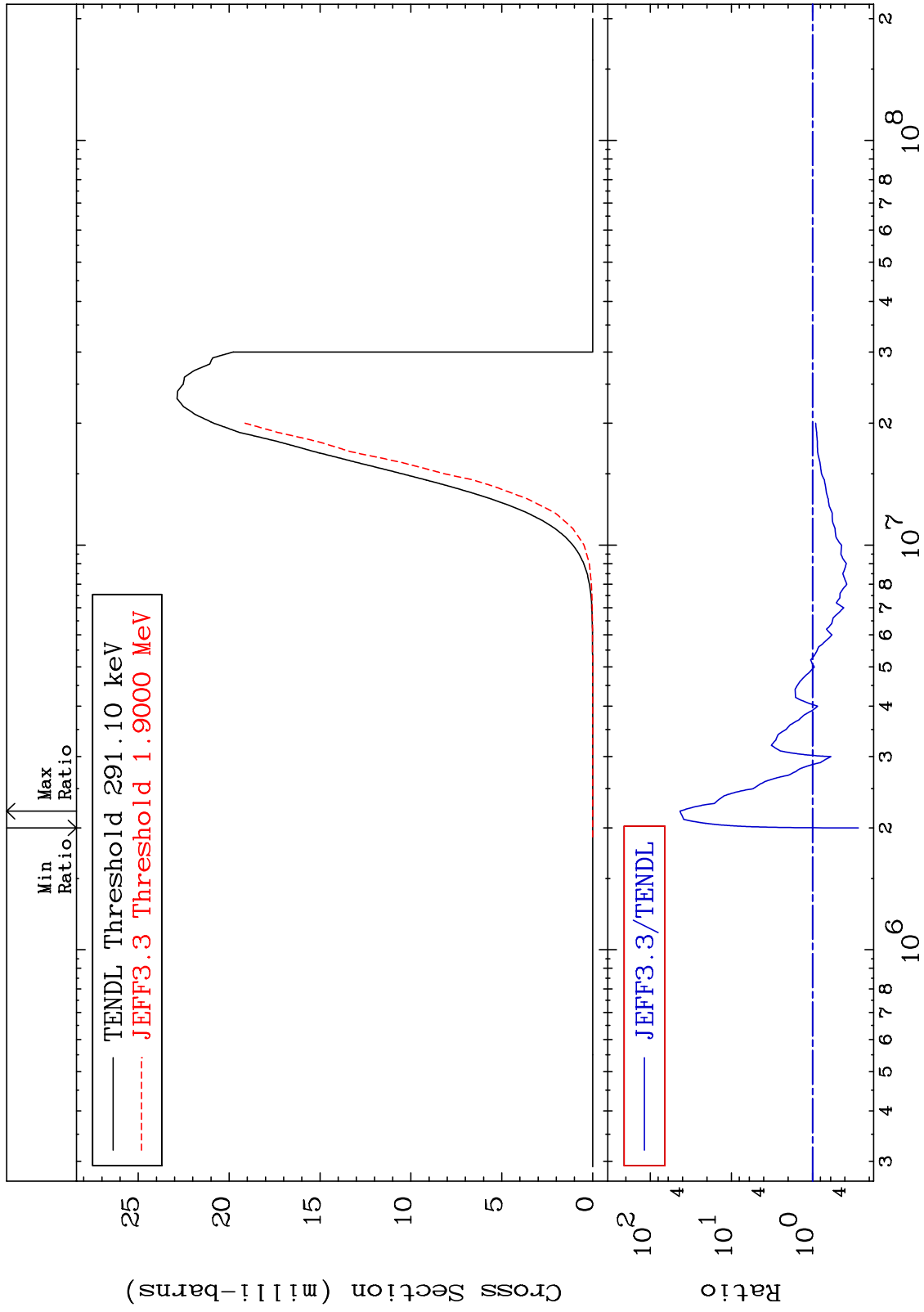
MAT 6240

(n, p)

62-Sm-149

Cross Section

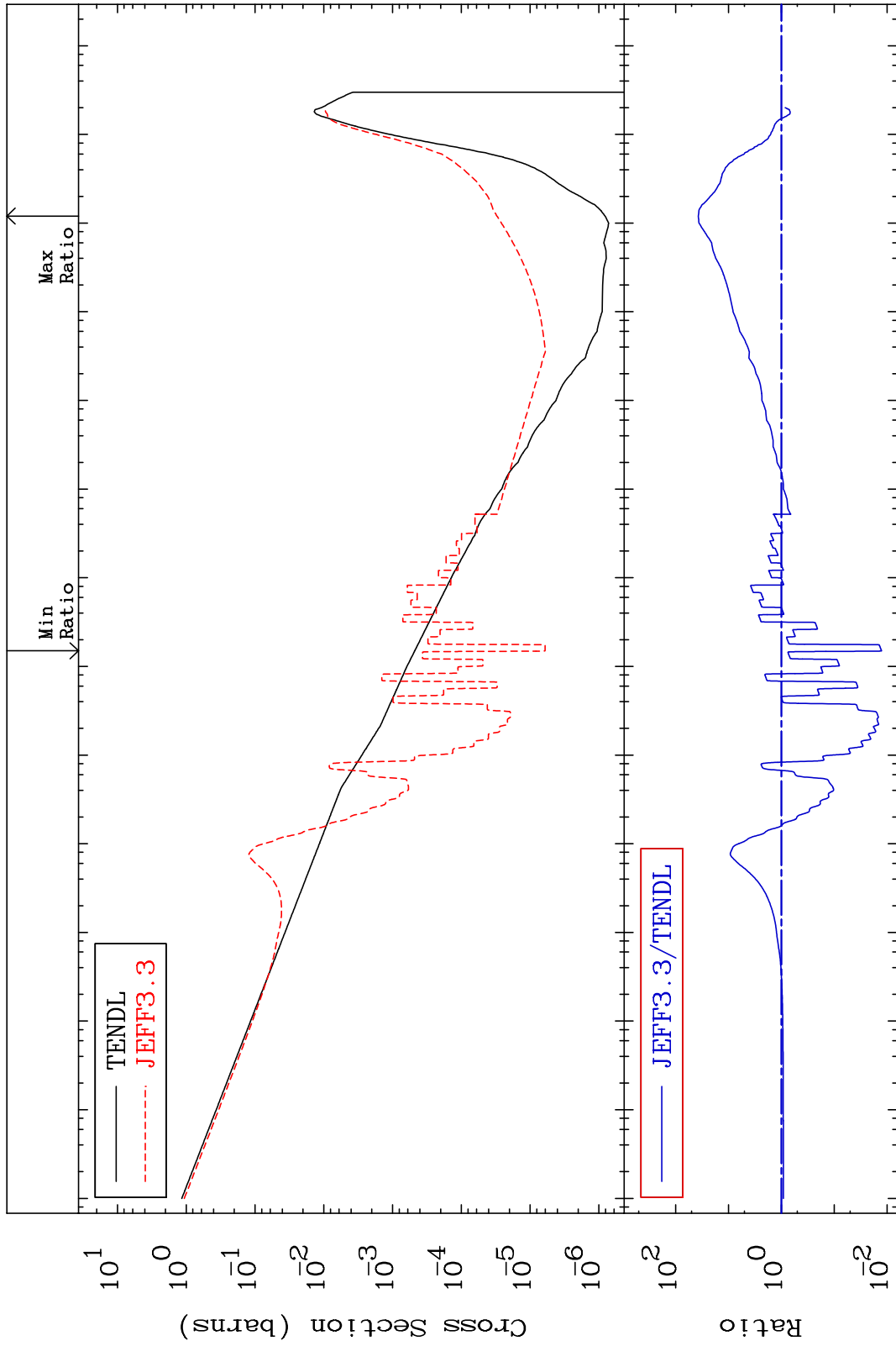
-72.73 To 4194. %



MAT 6240

(n, α)
Cross Section

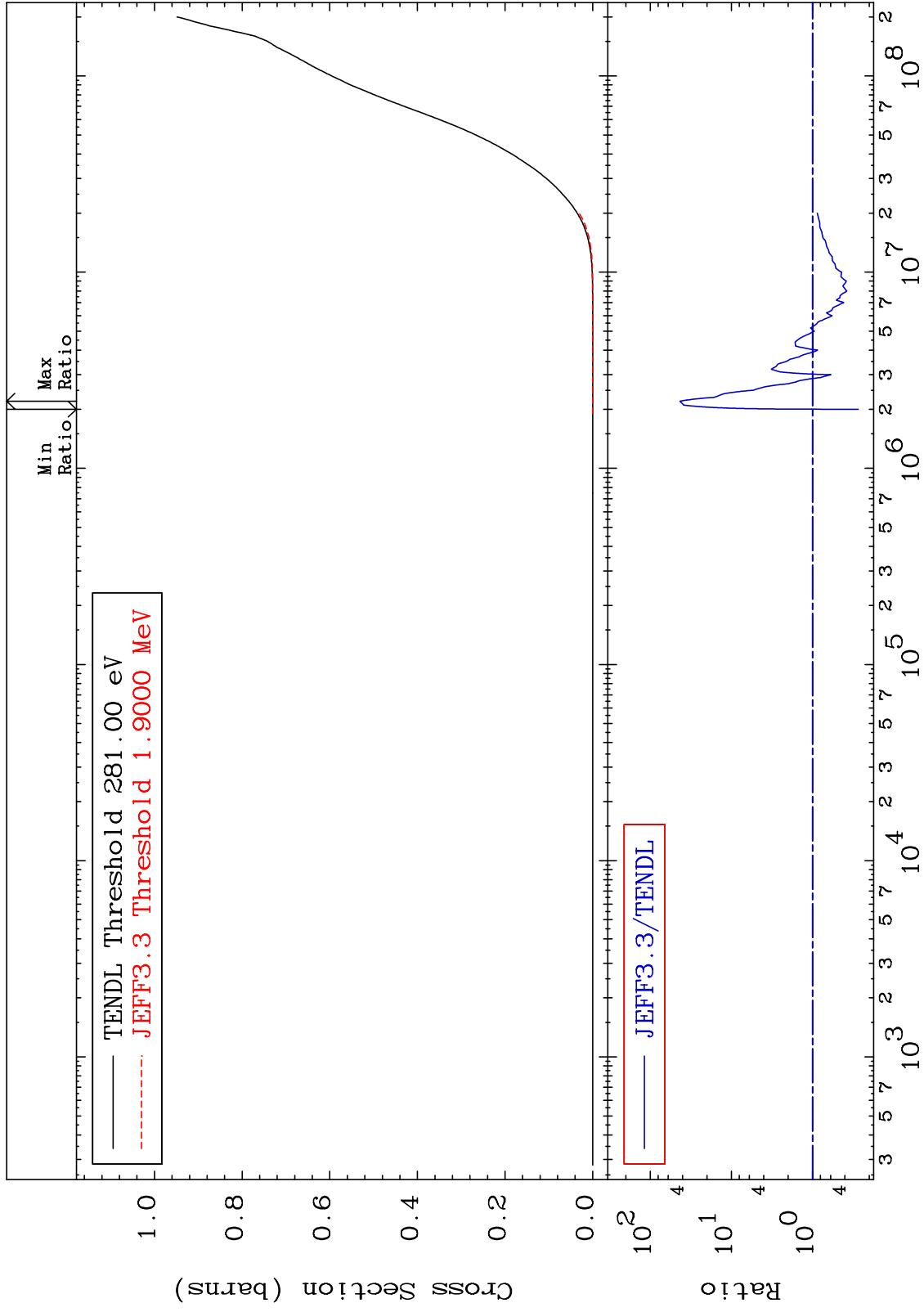
62-Sm-149
-98.73 To 3620. %



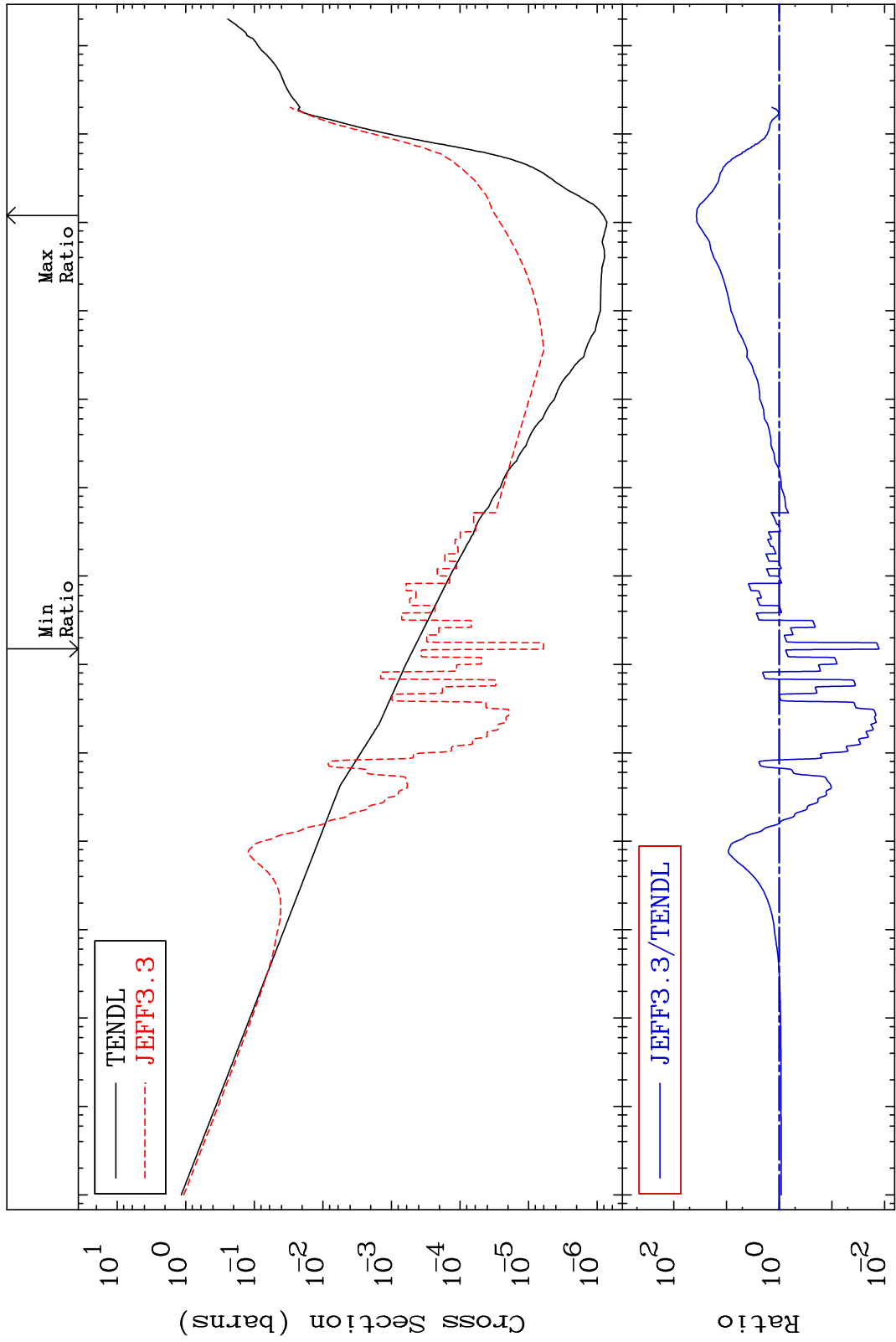
MAT 6240

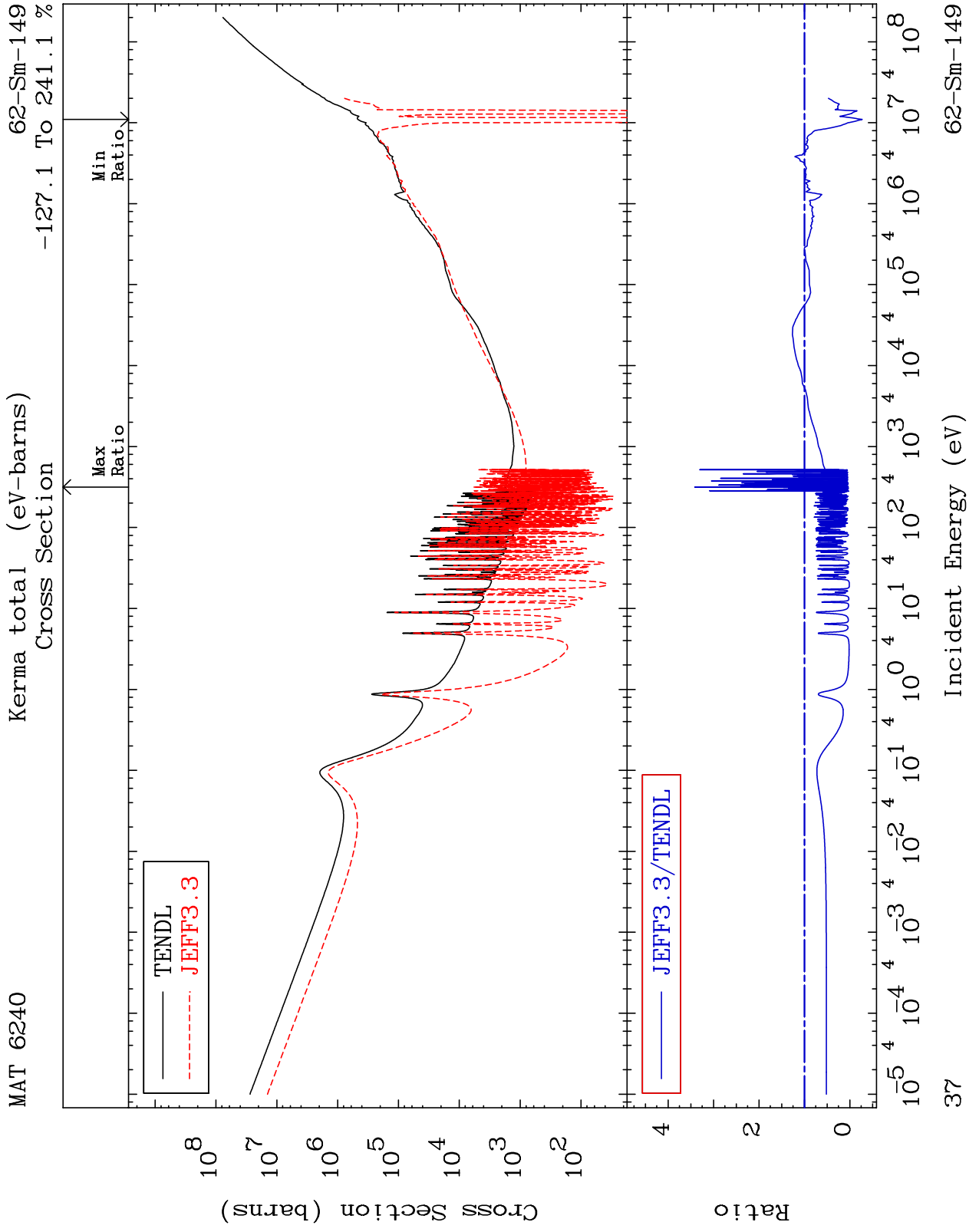
Hydrogen Production
Cross Section

62-Sm-149
-72.73 To 4194. %



MAT 6240 He-4 Production Cross Section 62-Sm-149 -98.73 To 3620. %

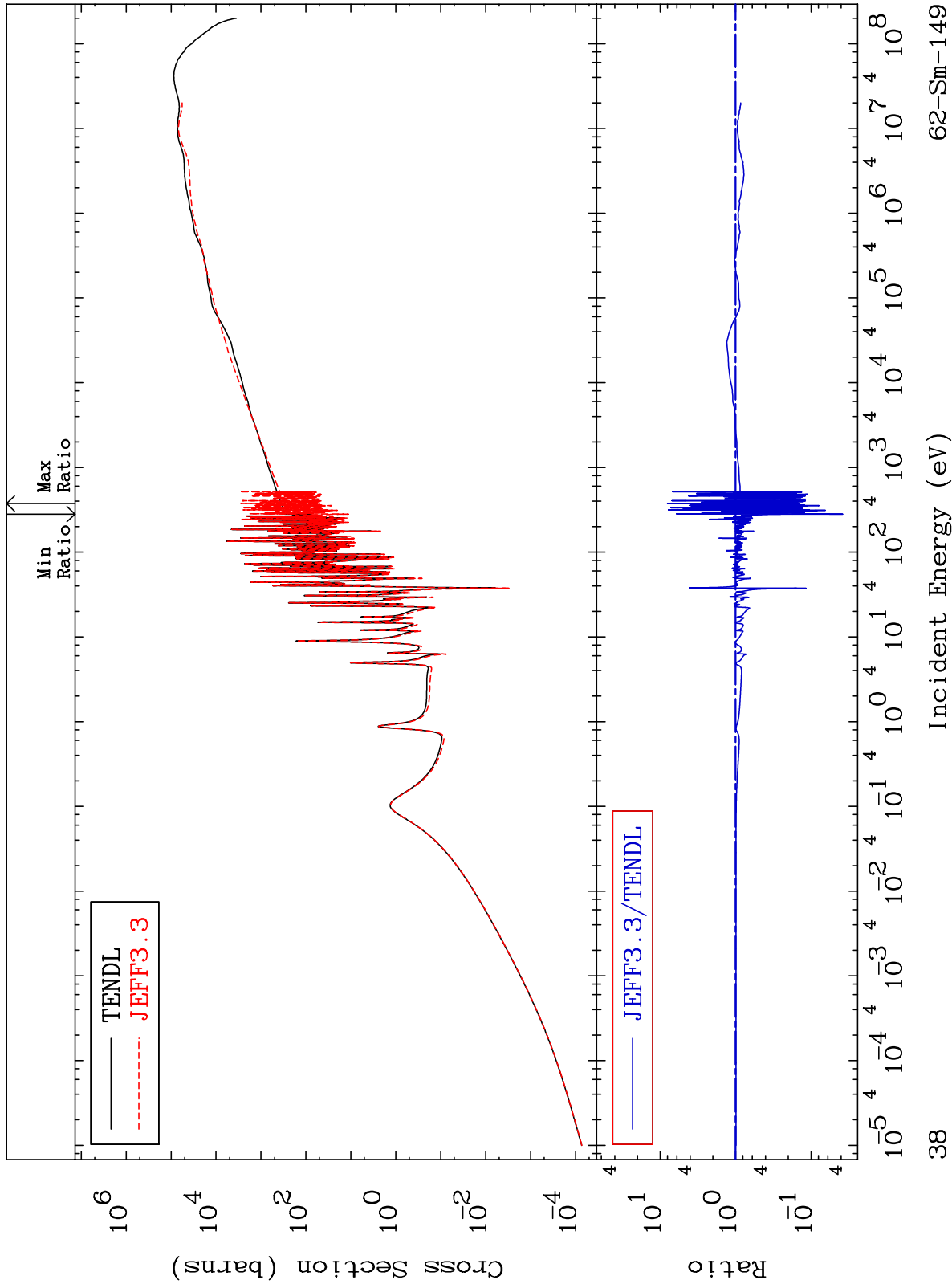




MAT 6240

Kerma elastic
Cross Section

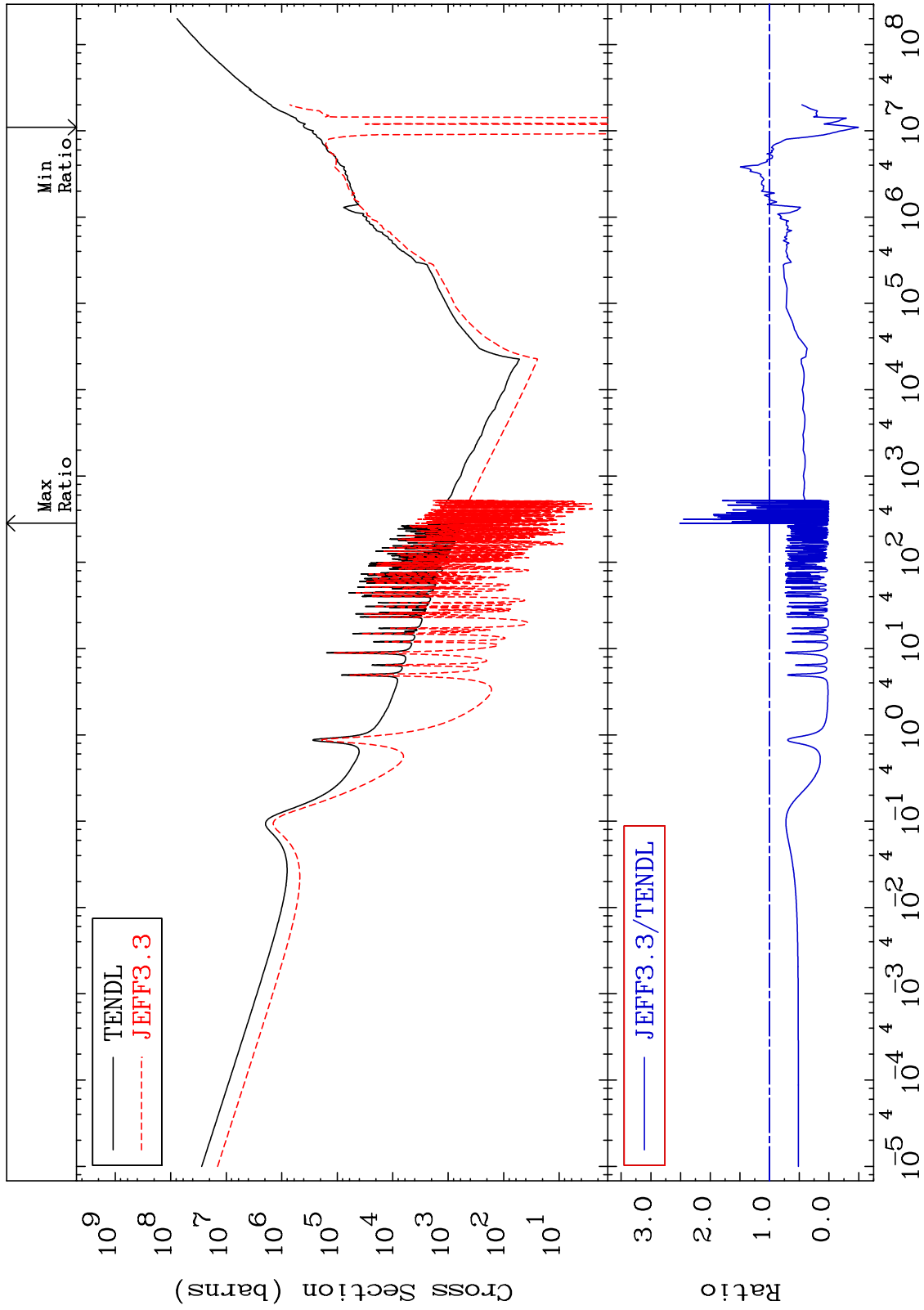
62-Sm-149
-96.19 To 697.6 %



MAT 6240

Kerma non-elastic (all but mt2)
Cross Section

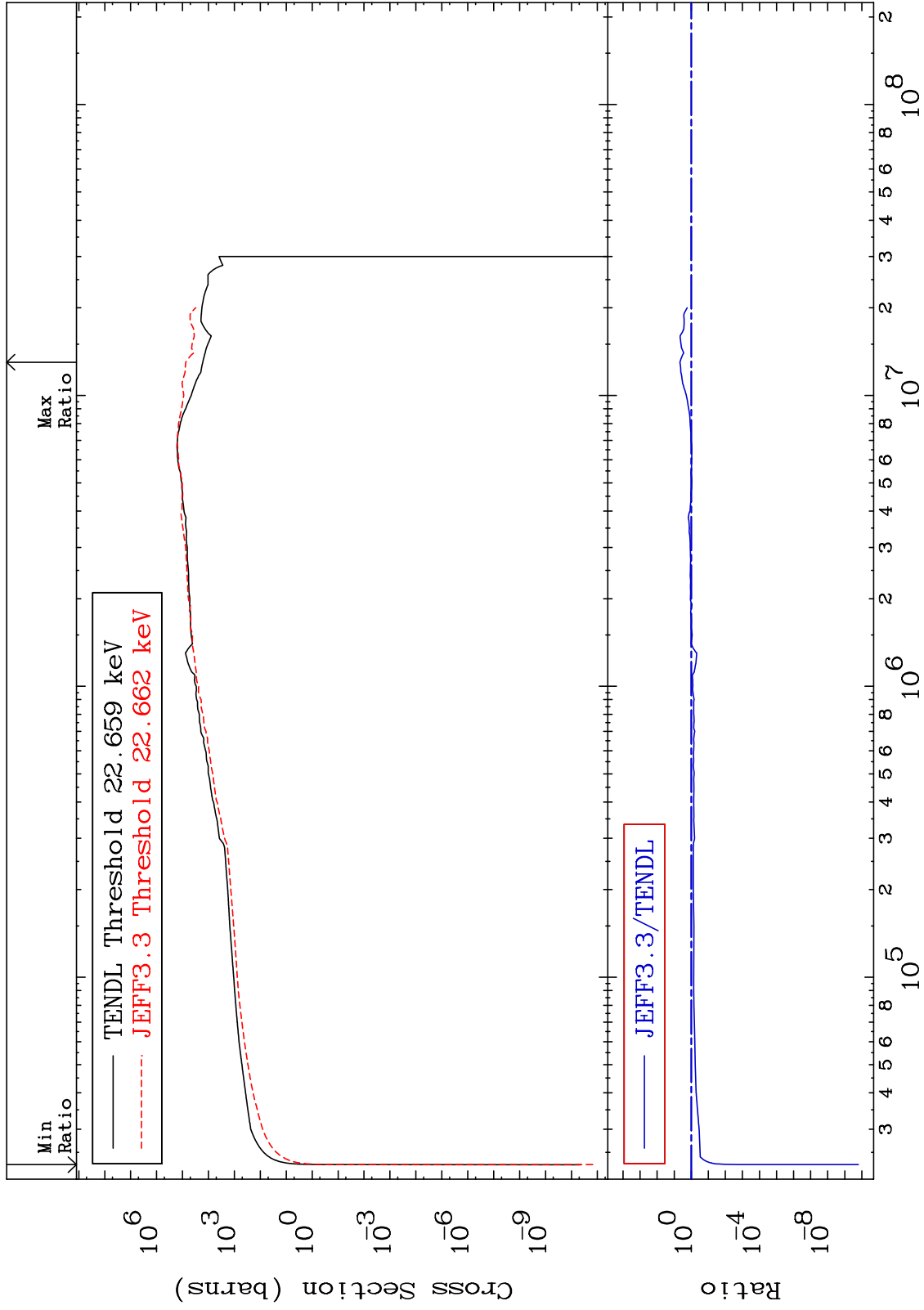
62-Sm-149
-149.5 To 150.9 %



MAT 6240

Kerma inelastic (mt51-91)
Cross Section

62-Sm-149
-100.0 To 355.9 %



40

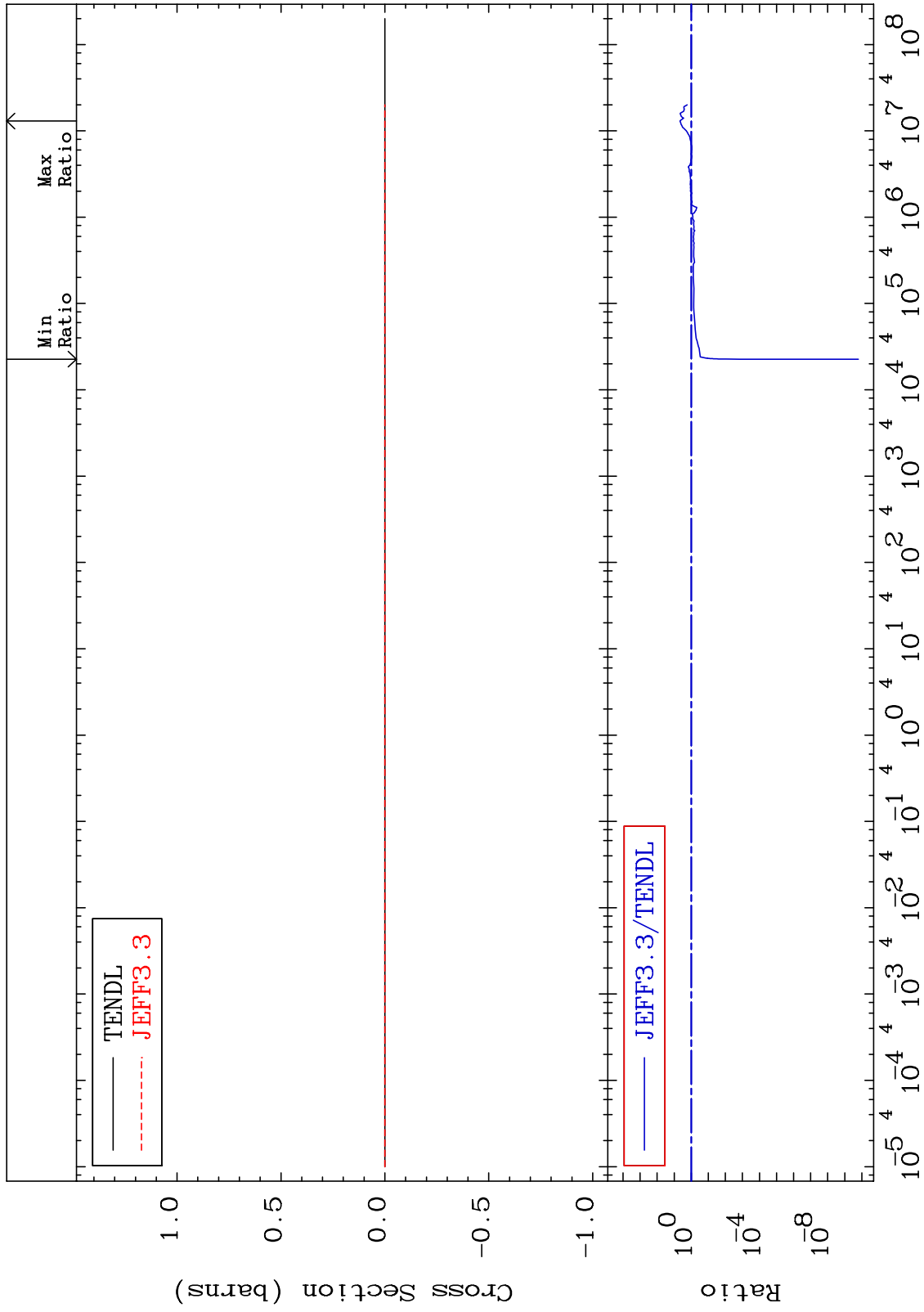
Incident Energy (eV)

62-Sm-149

MAT 6240

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

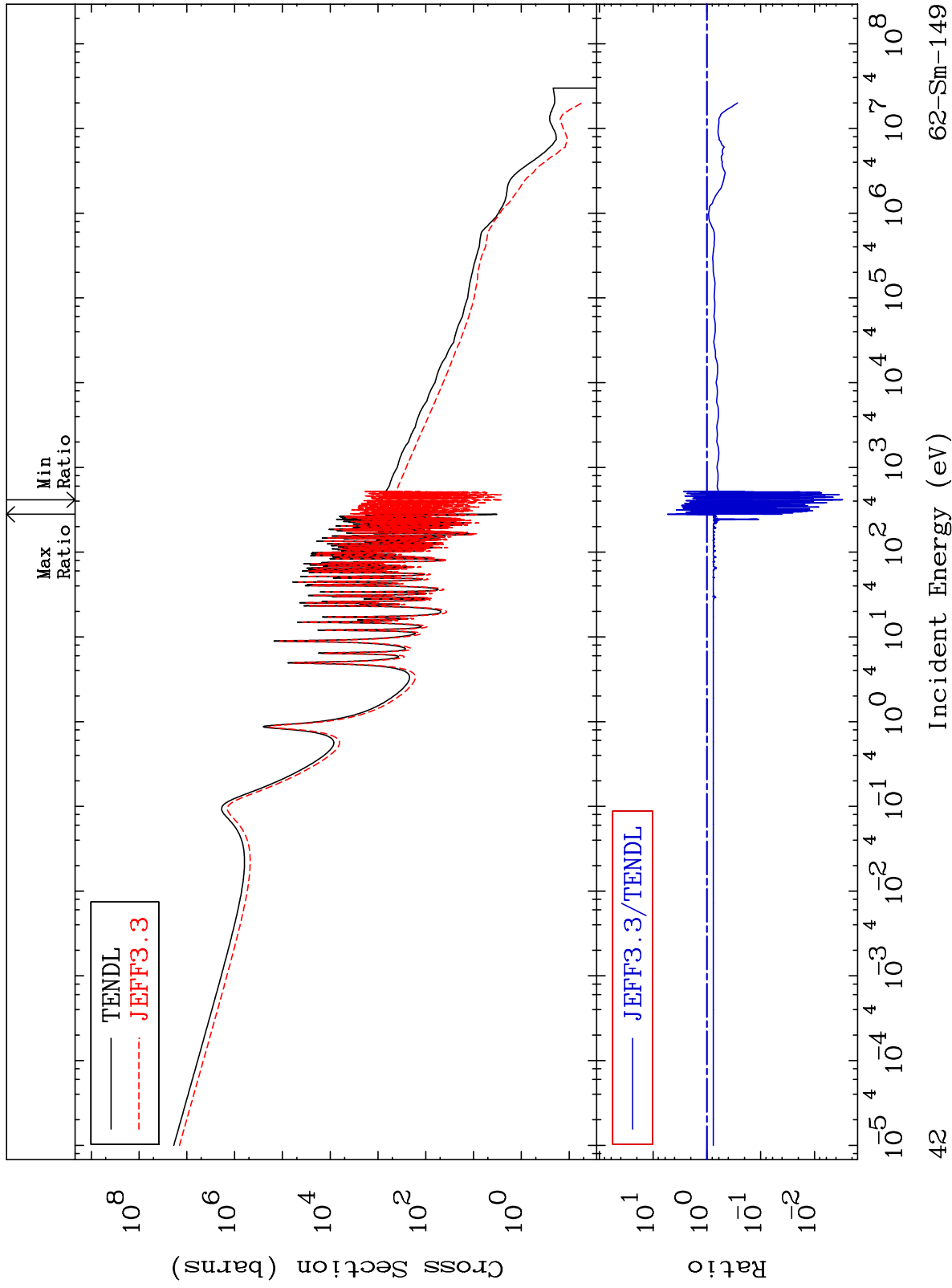
62-Sm-149
-100.0 To 355.9 %



MAT 6240

Kerma capture (mt102)
Cross Section

62-Sm-149
-99.70 To 439.3 %



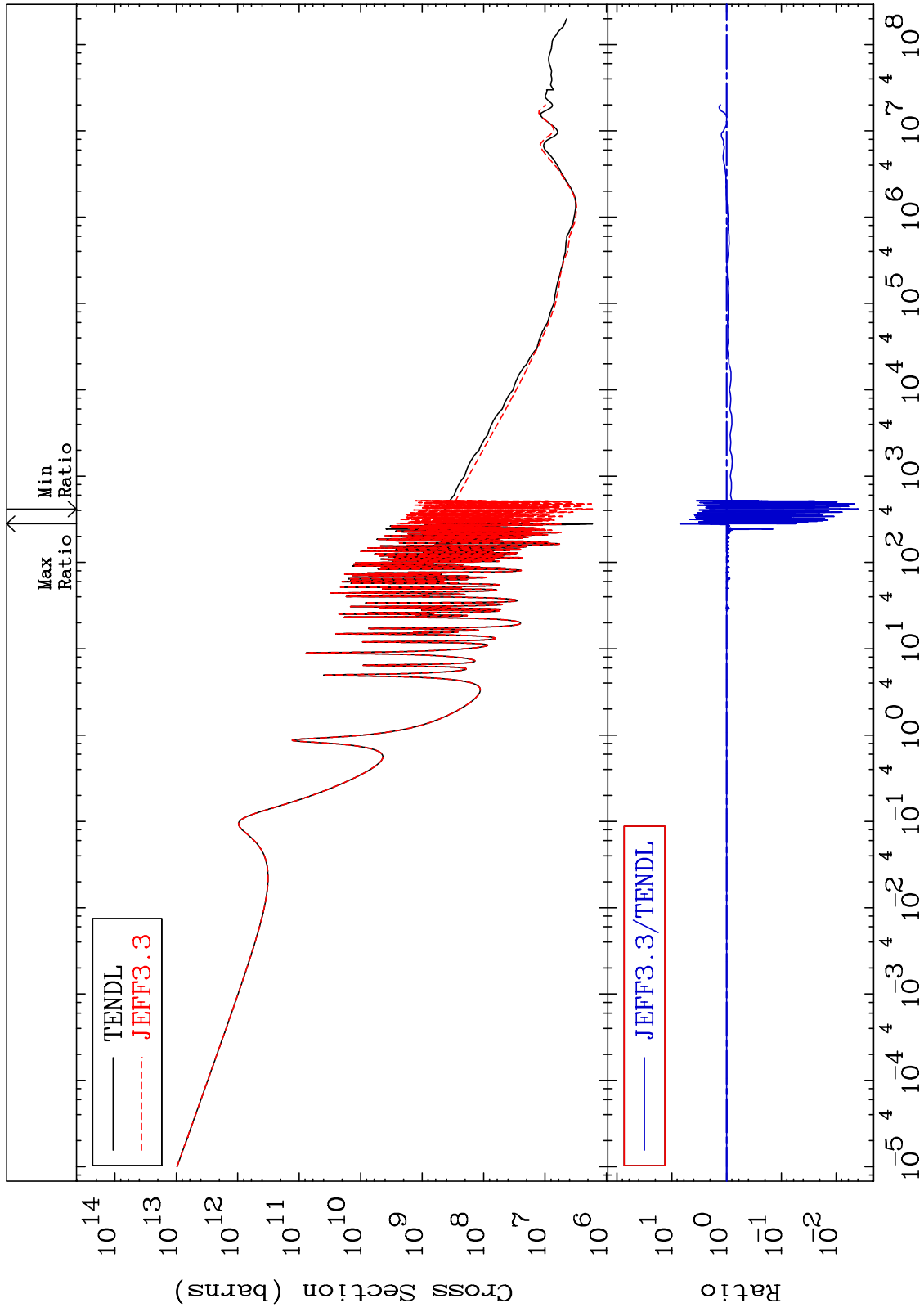
62-Sm-149

42

MAT 6240

Total photon (eV-barns)
Cross Section

62-Sm-149
-99.61 To 608.4 %

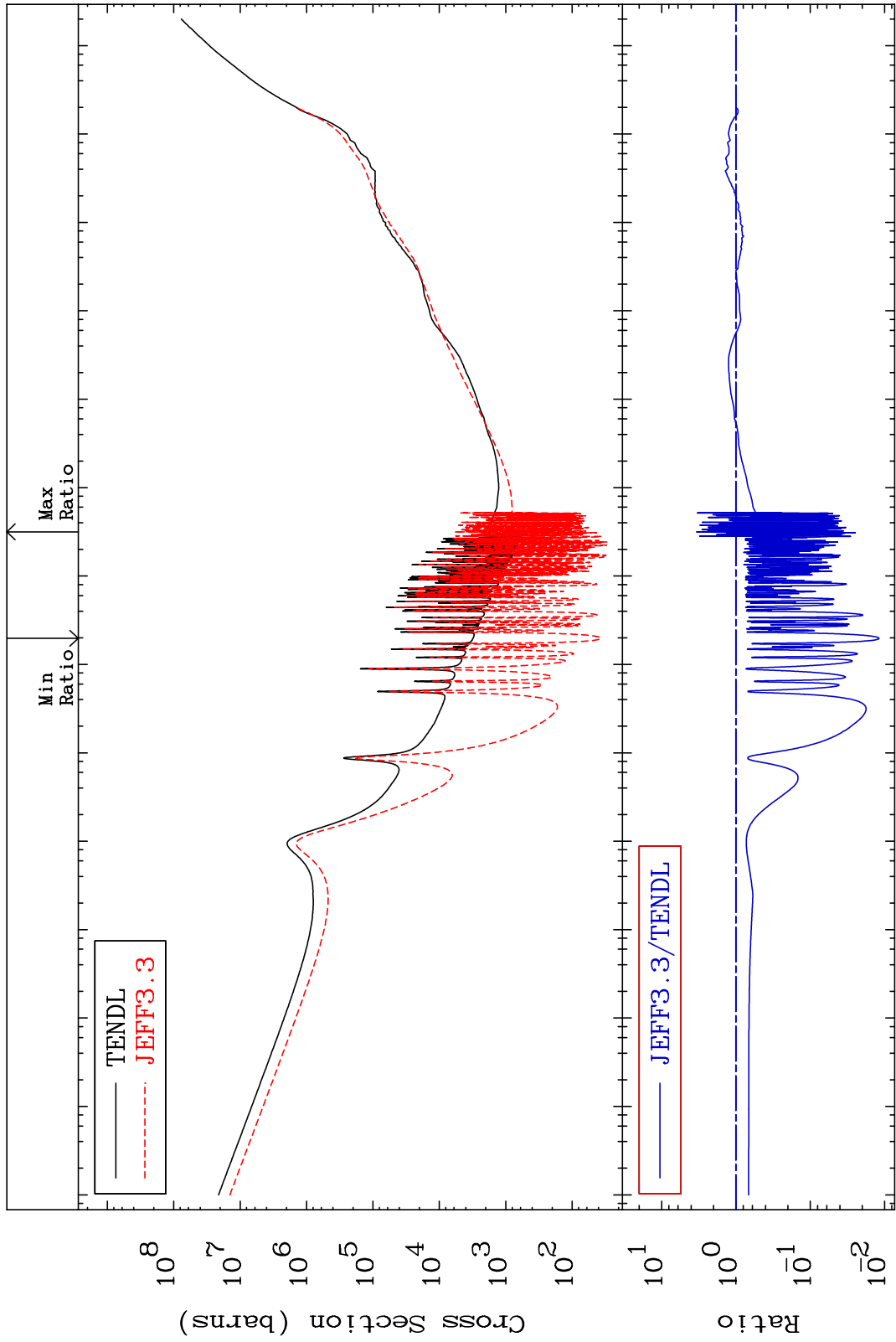


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Incident Energy (eV)

62-Sm-149

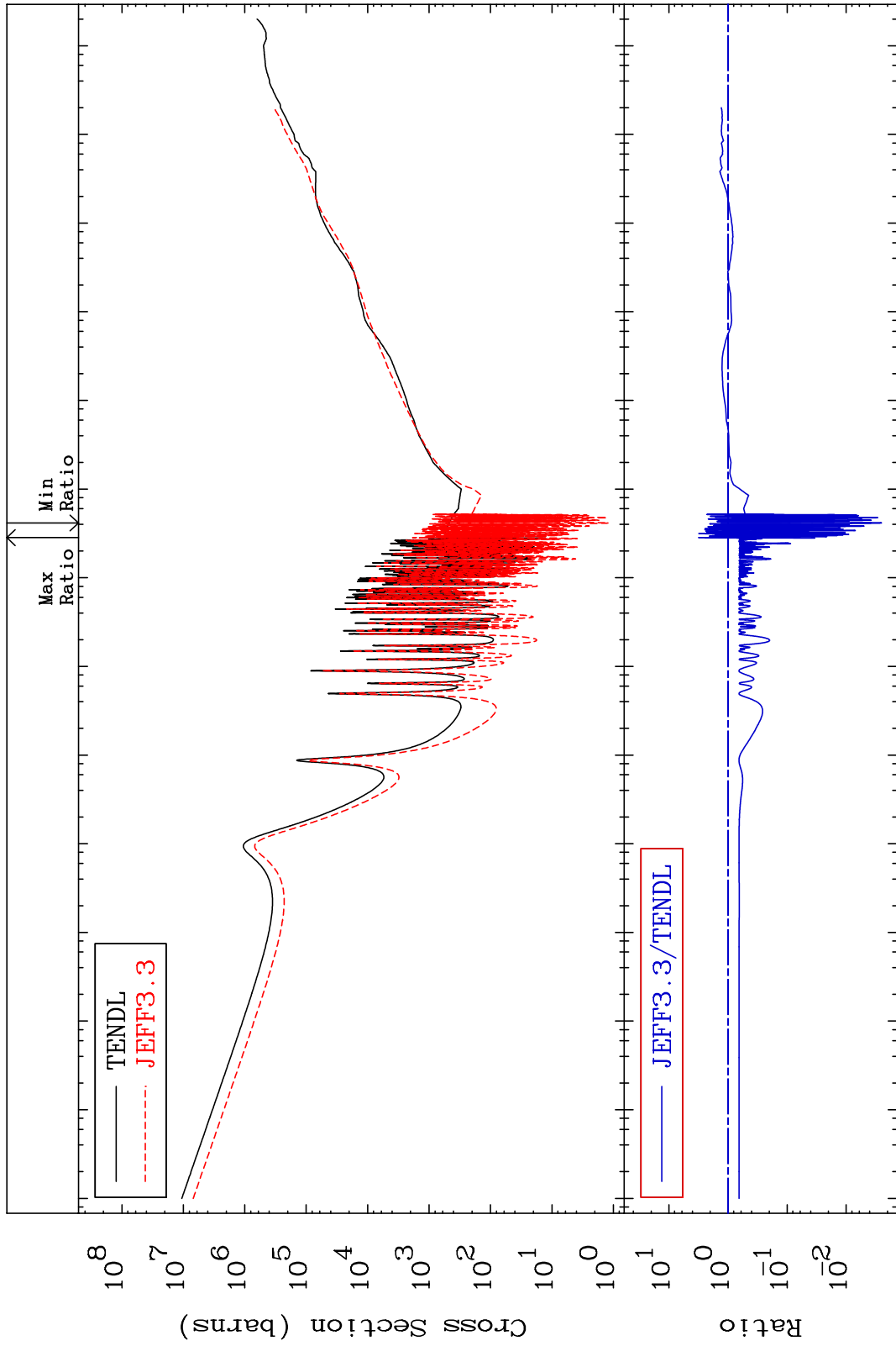
MAT 6240 Total kinematic kerma (high limit) 62-Sm-149
 Cross Section -98.81 To 240.6 %



MAT 6240

Dpa total (eV-barns)
Cross Section

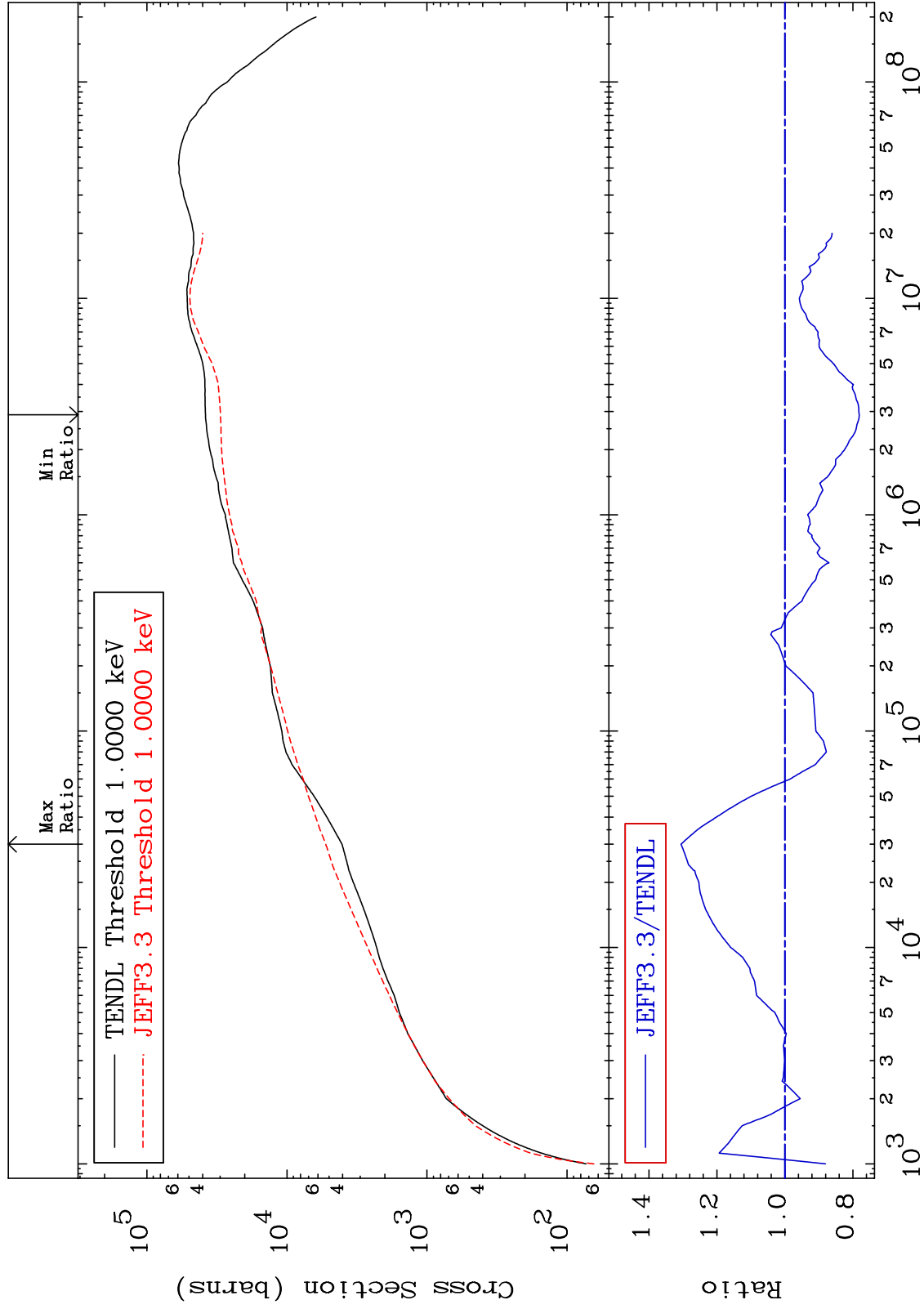
62-Sm-149
-99.75 To 217.7 %



MAT 6240

Dpa elastic (mt2)
Cross Section

62-Sm-149
-21.90 To 30.54 %



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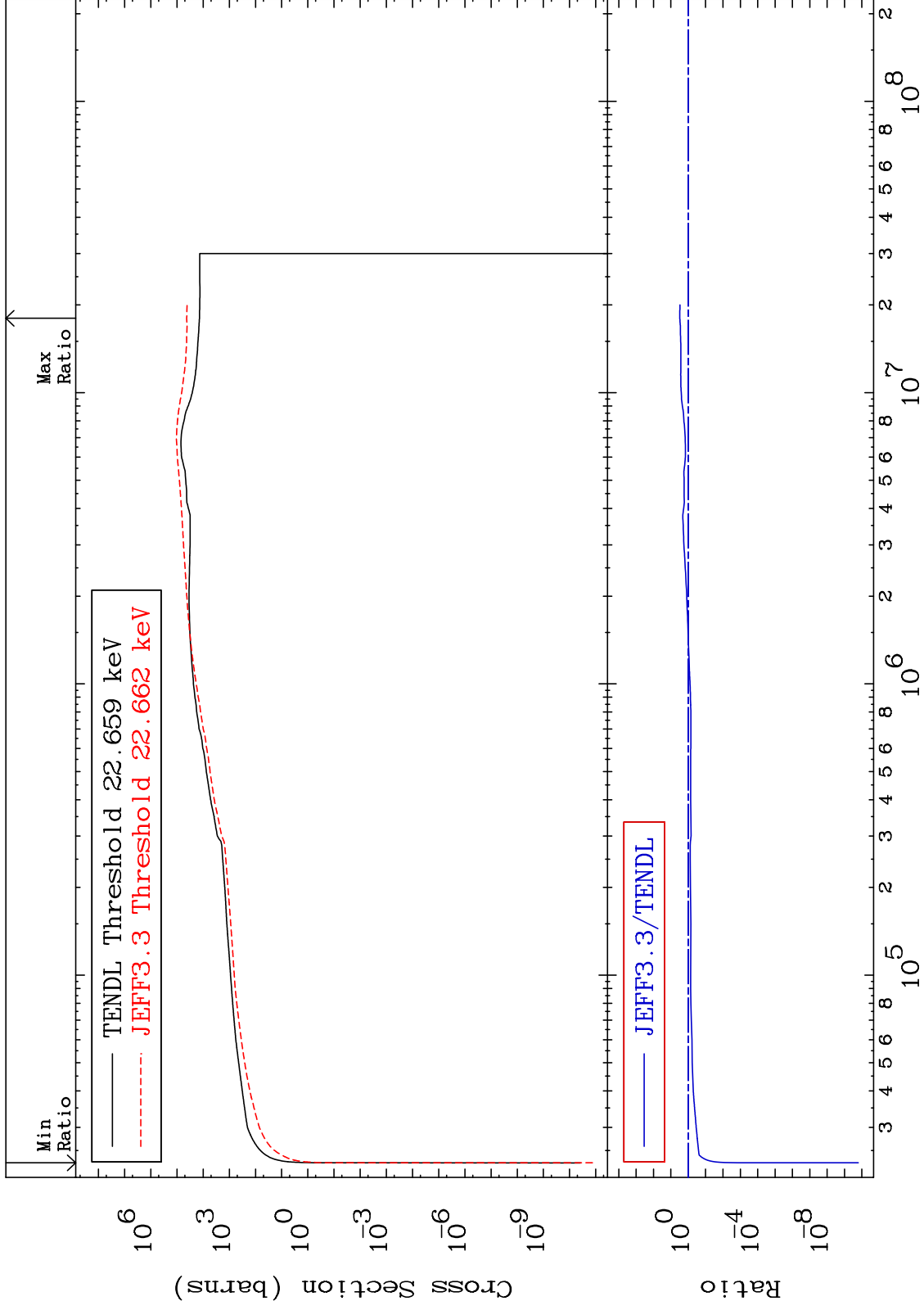
Incident Energy (eV)

62-Sm-149

MAT 6240

Dpa inelastic (mt51-91)
Cross Section

62-Sm-149
-100.0 To 205.7 %



MAT 6240 Dpa disappearance (mt102 -120) 62-Sm-149
Cross Section -99.75 To 324.0 %

