

Program Complot  
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

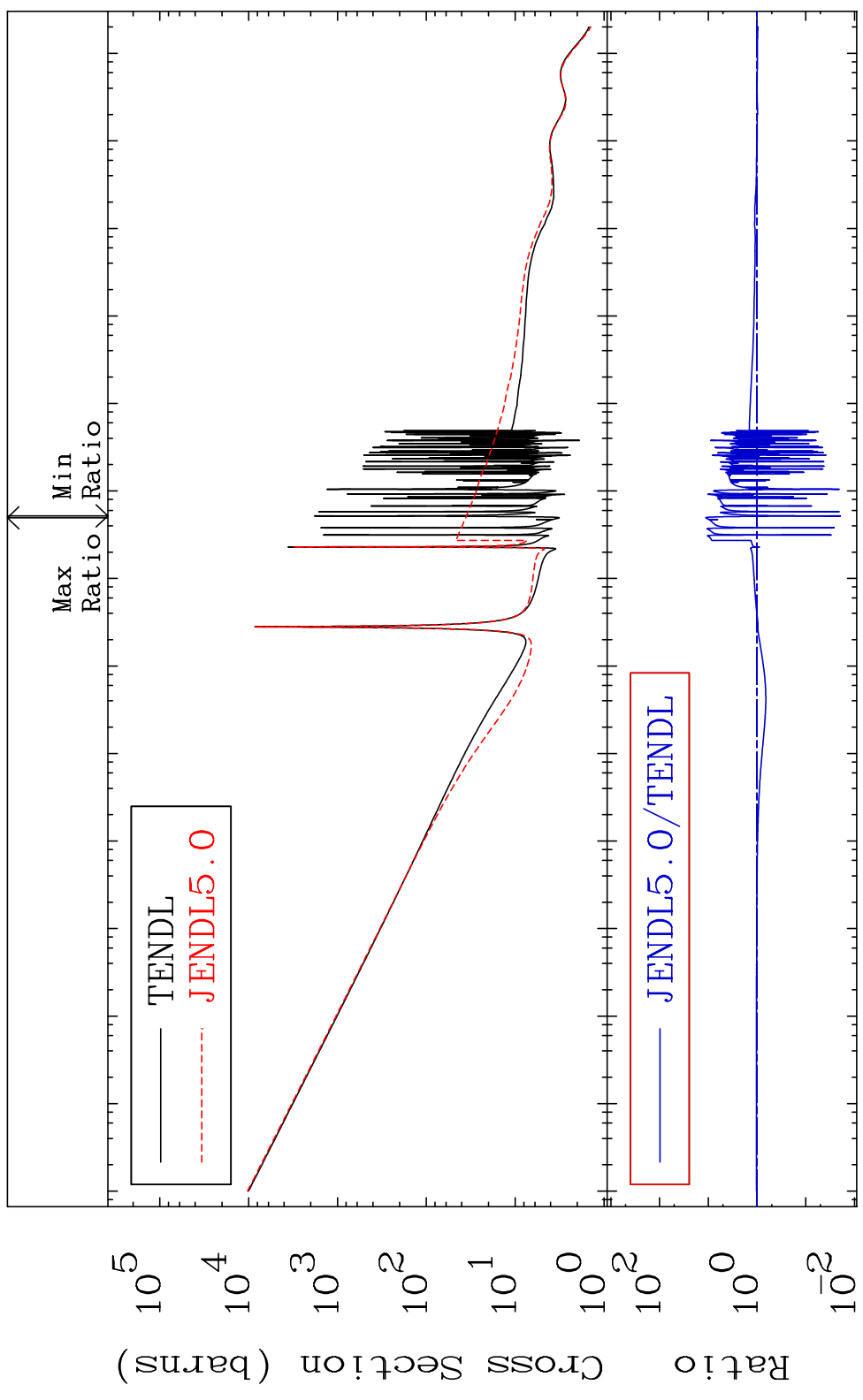
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E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3640

Total Cross Section -98.05 To 1030. %  
36-Kr-83

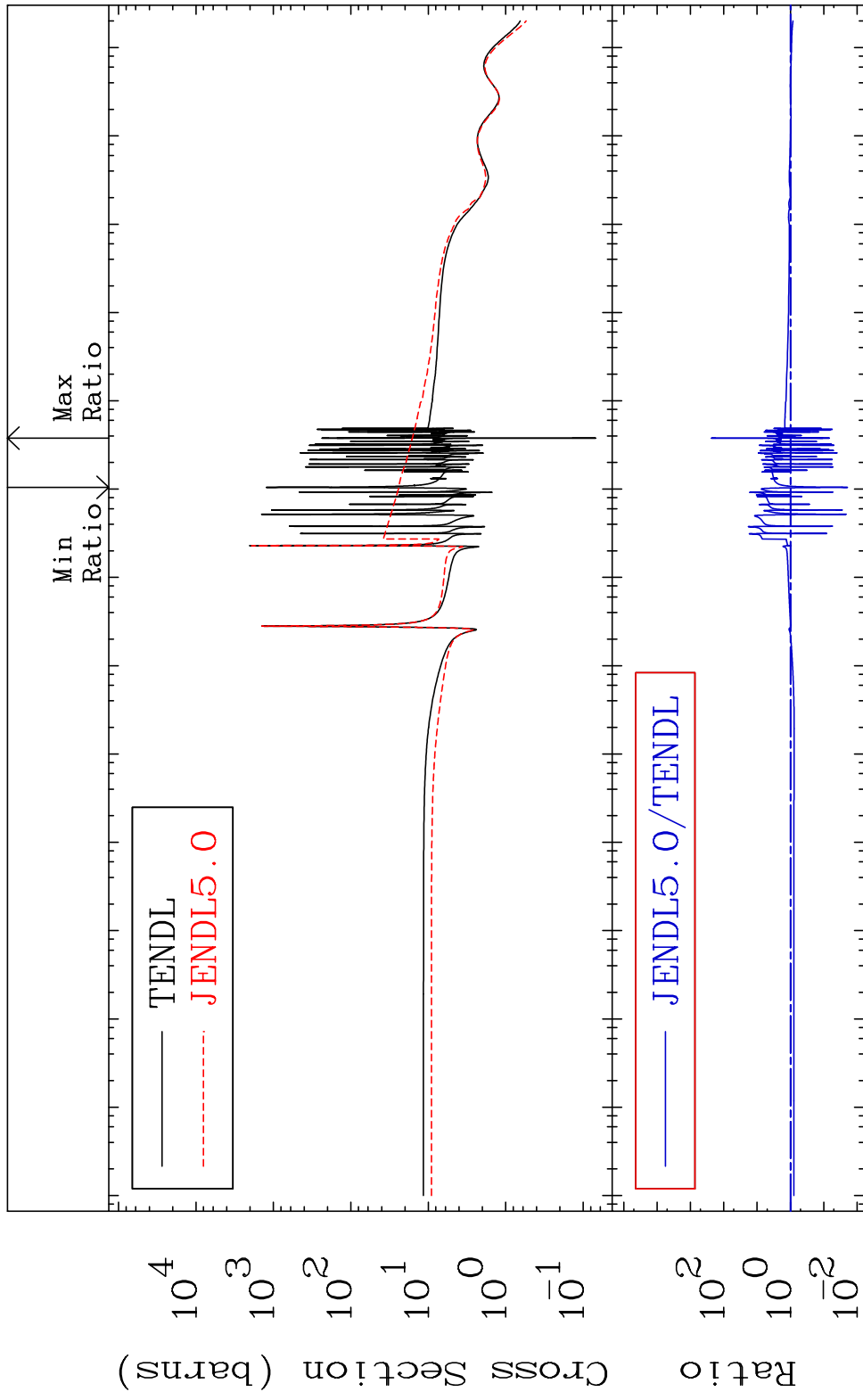


MAT 3640

Elastic

36-Kr-83

Cross Section -98.04 To 9999. %

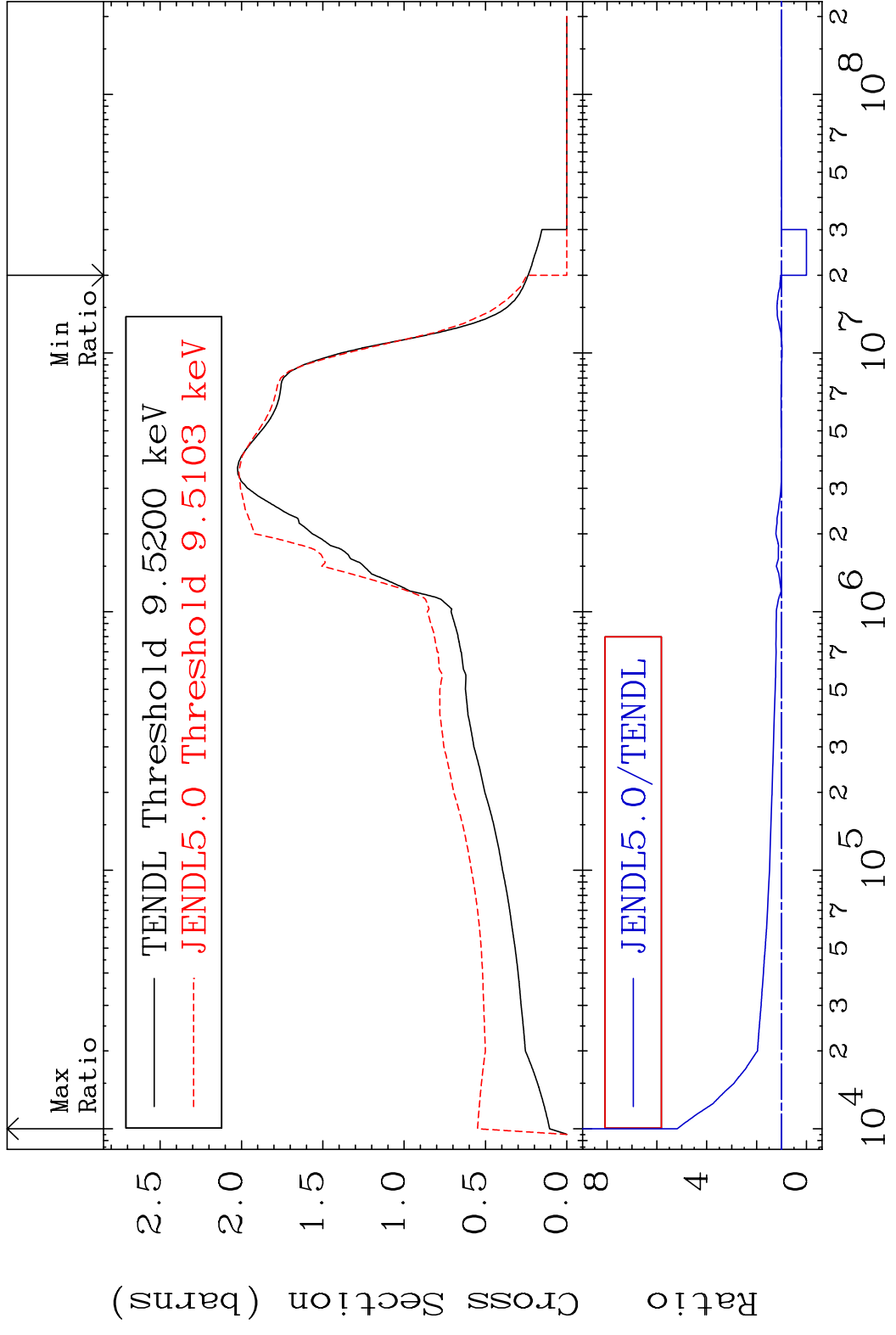


2

Incident Energy (eV)

36-Kr-83

MAT 3640 Inelastic Cross Section -100.0 To 418.7 % 36-Kr-83



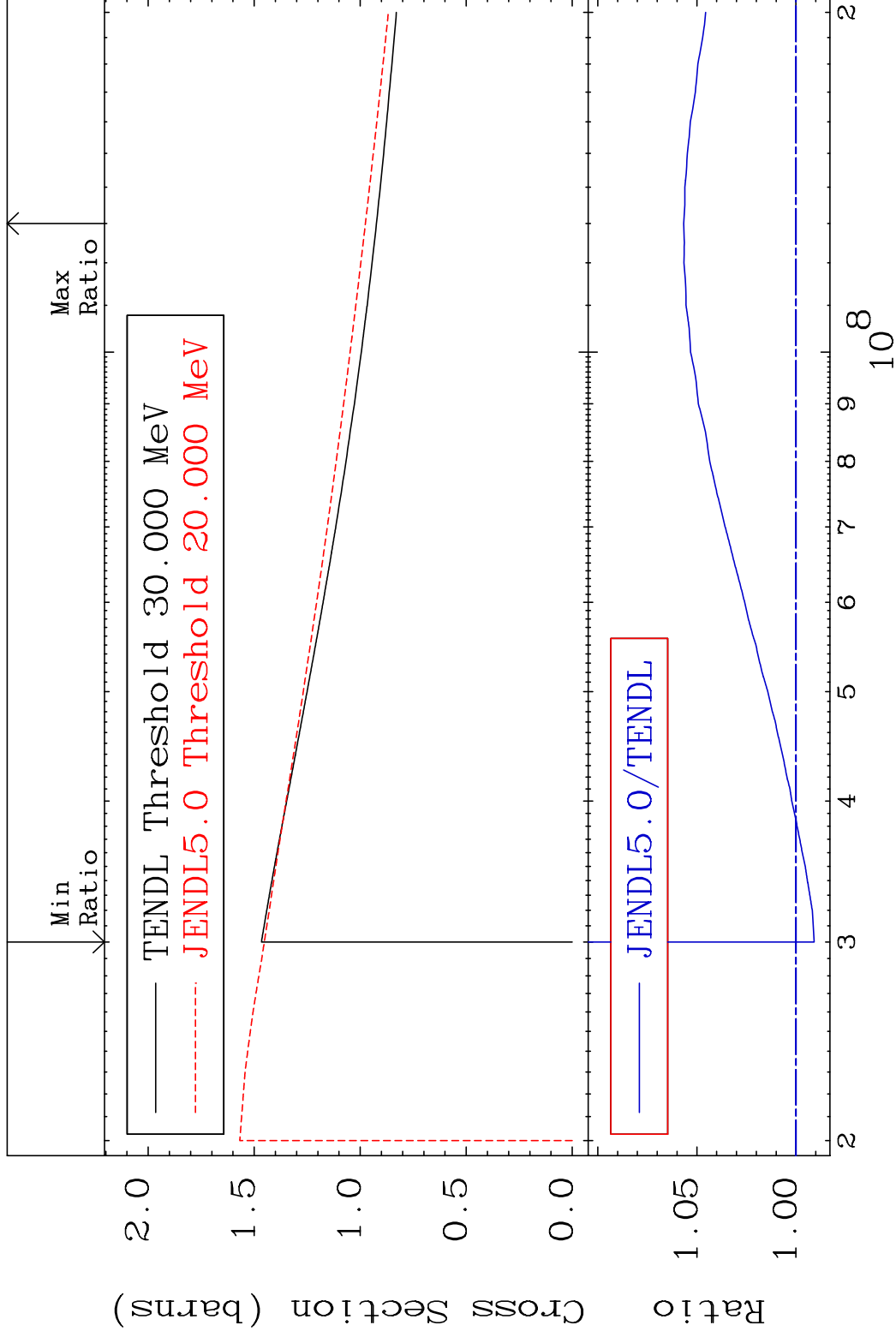
3 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup> 36-Kr-83

MAT 3640

(n, remainder)

36-Kr-83

Cross Section -0.915 To 5.667 %

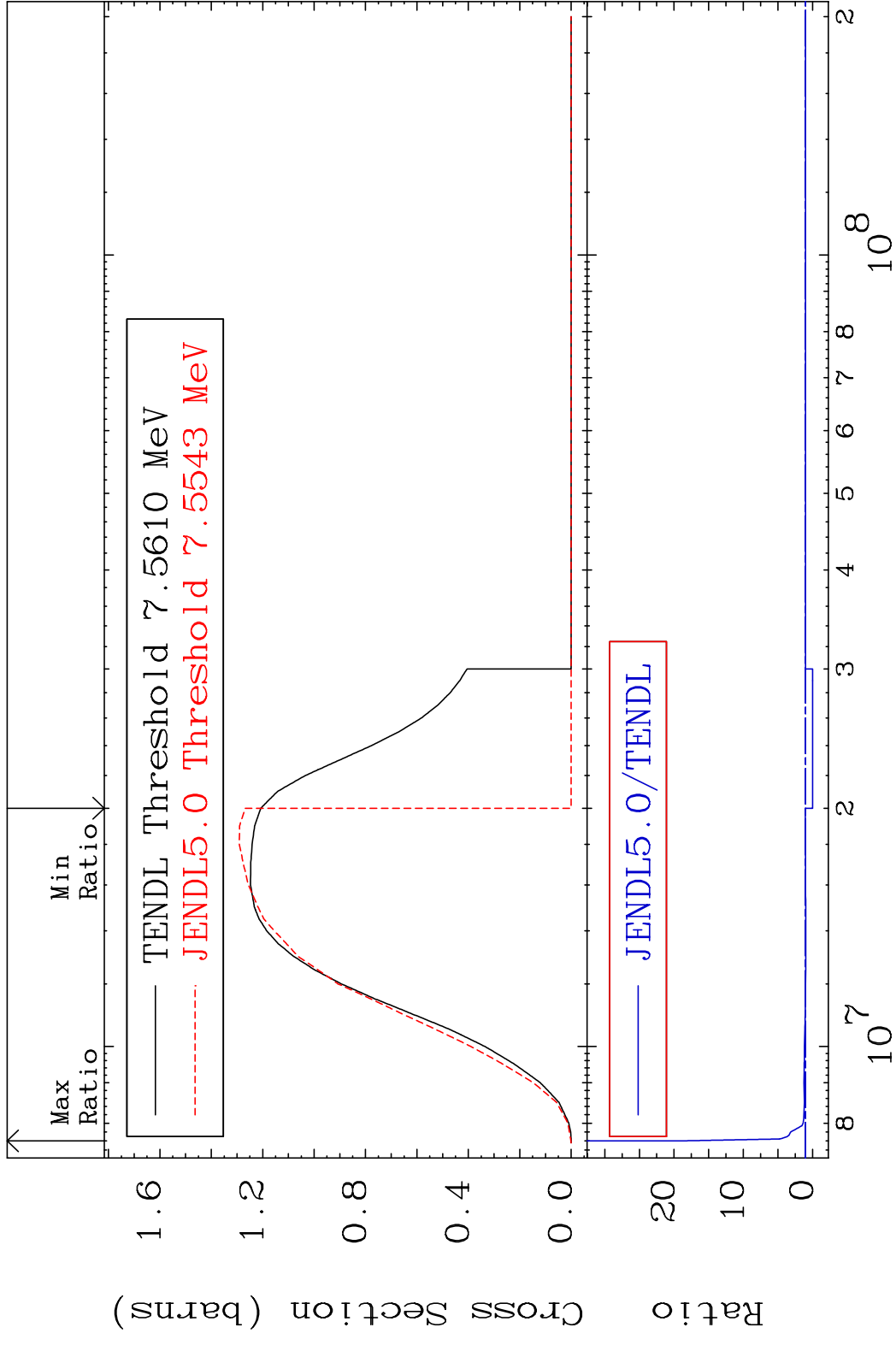


4

Incident Energy (eV)

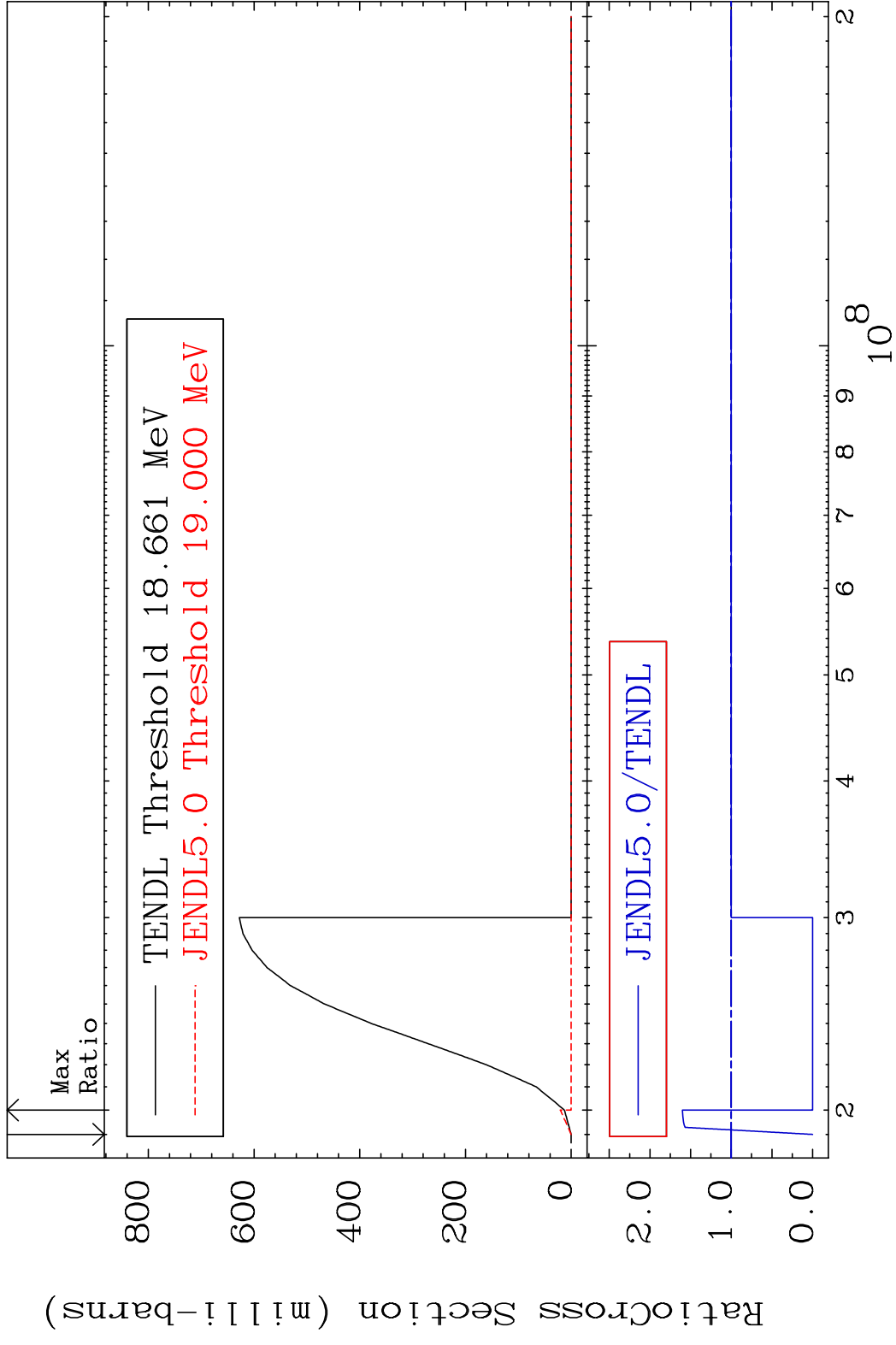
36-Kr-83

MAT 3640 (n,2n) 36-Kr-83  
 Cross Section -100.0 To 1780. %

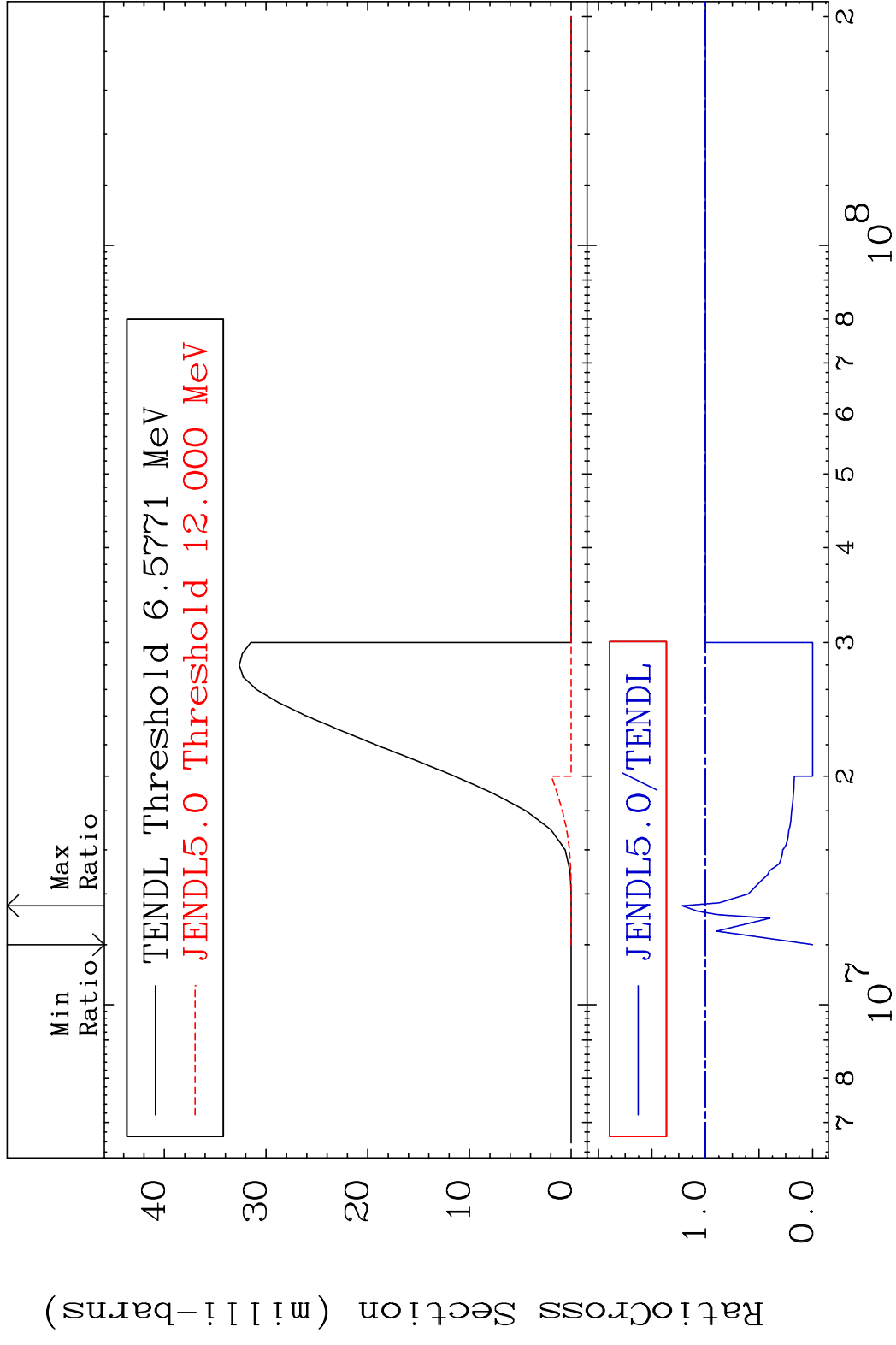


5 Incident Energy (eV) 36-Kr-83

MAT 3640 (n,3n) 36-Kr-83  
 Cross Section -100.0 To 60.13 %

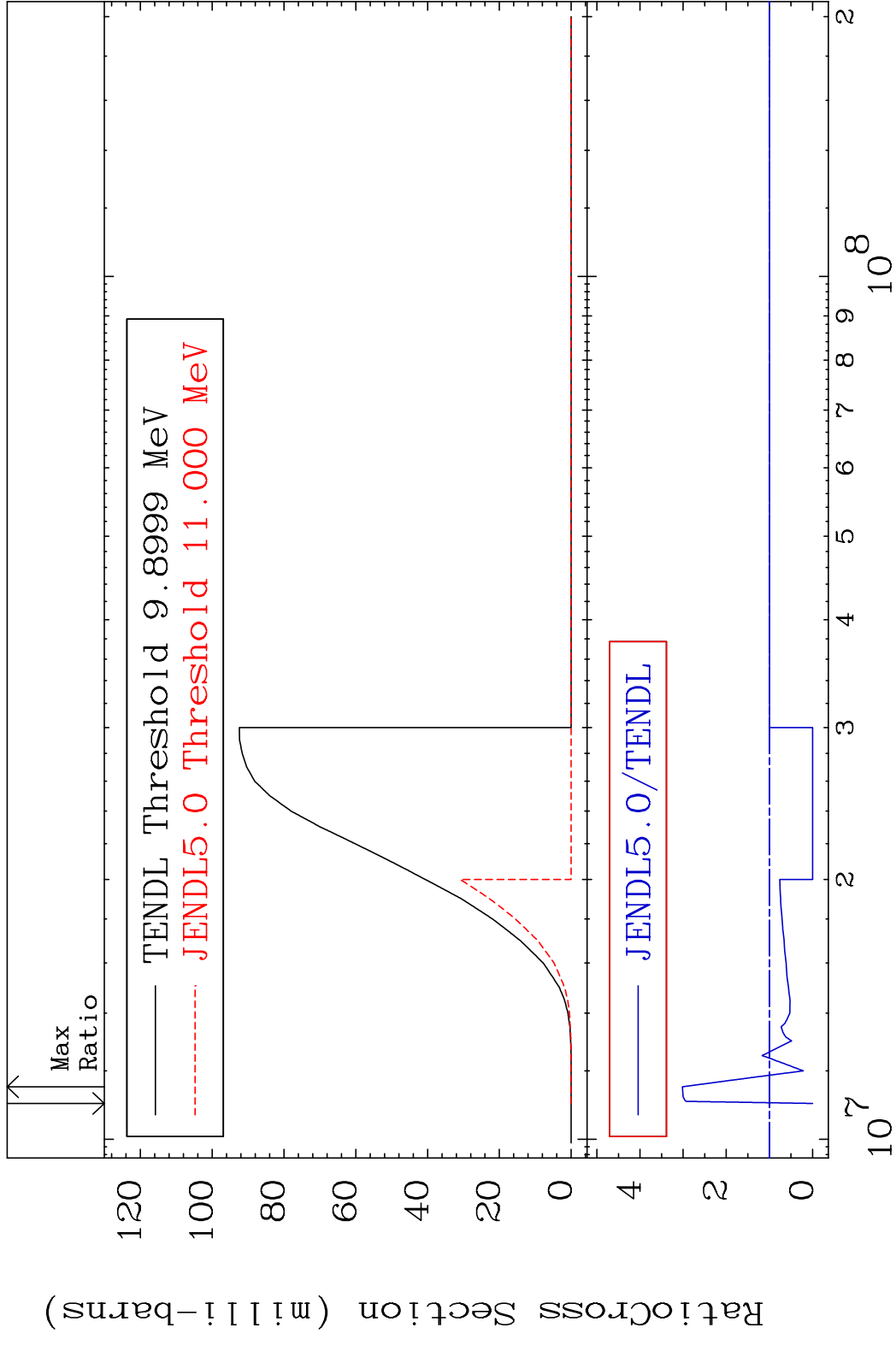


MAT 3640 (n, n')  $\alpha$  36-Kr-83  
 Cross Section -100.0 To 21.59 %



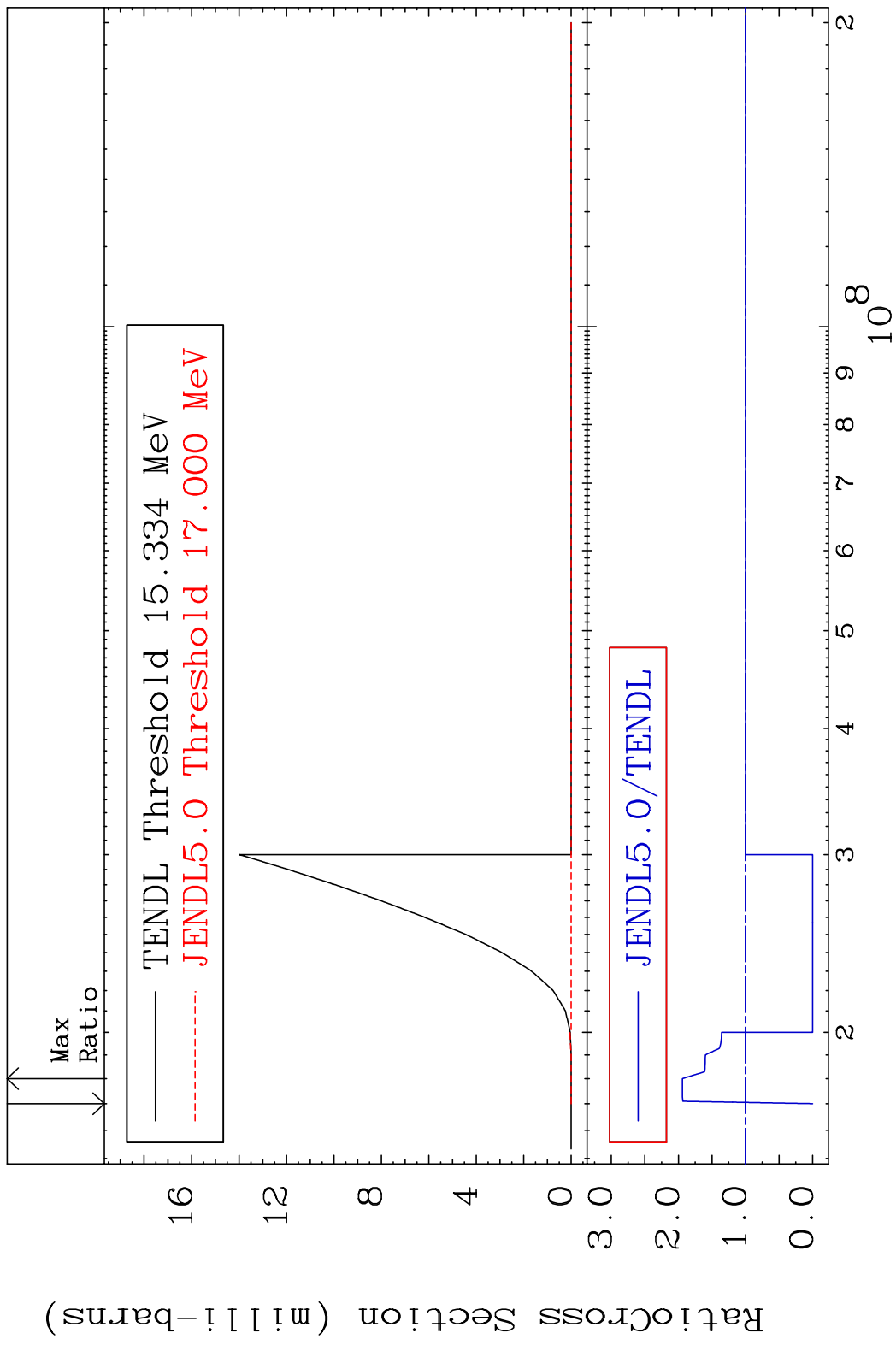
7 Incident Energy (eV) 36-Kr-83

MAT 3640 (n, n') p 36-Kr-83  
 Cross Section -100.0 To 201.8 %

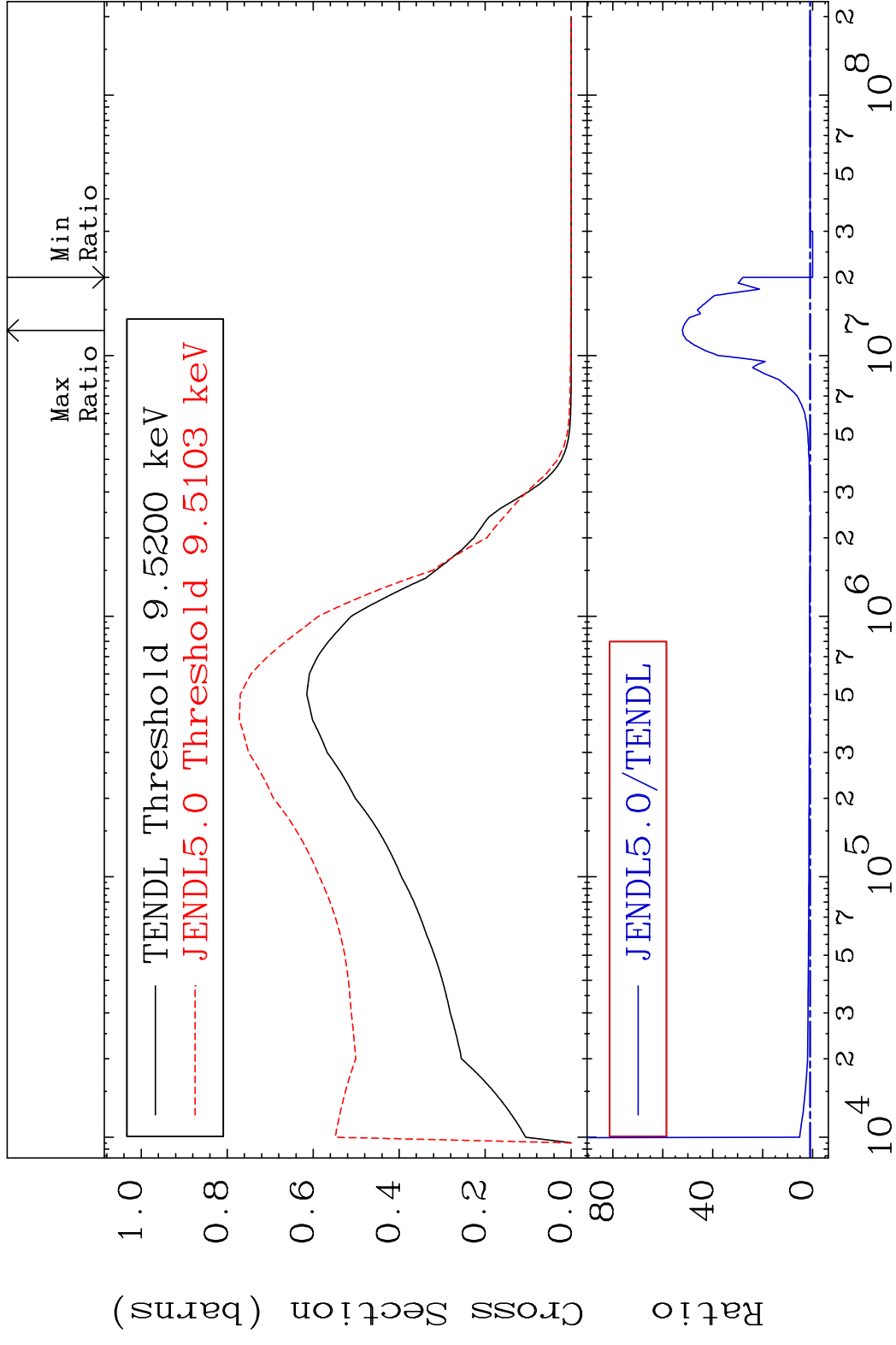


8 8 36-Kr-83

MAT 3640 (n, n') d 36-Kr-83  
 Cross Section -100.0 To 94.12 %

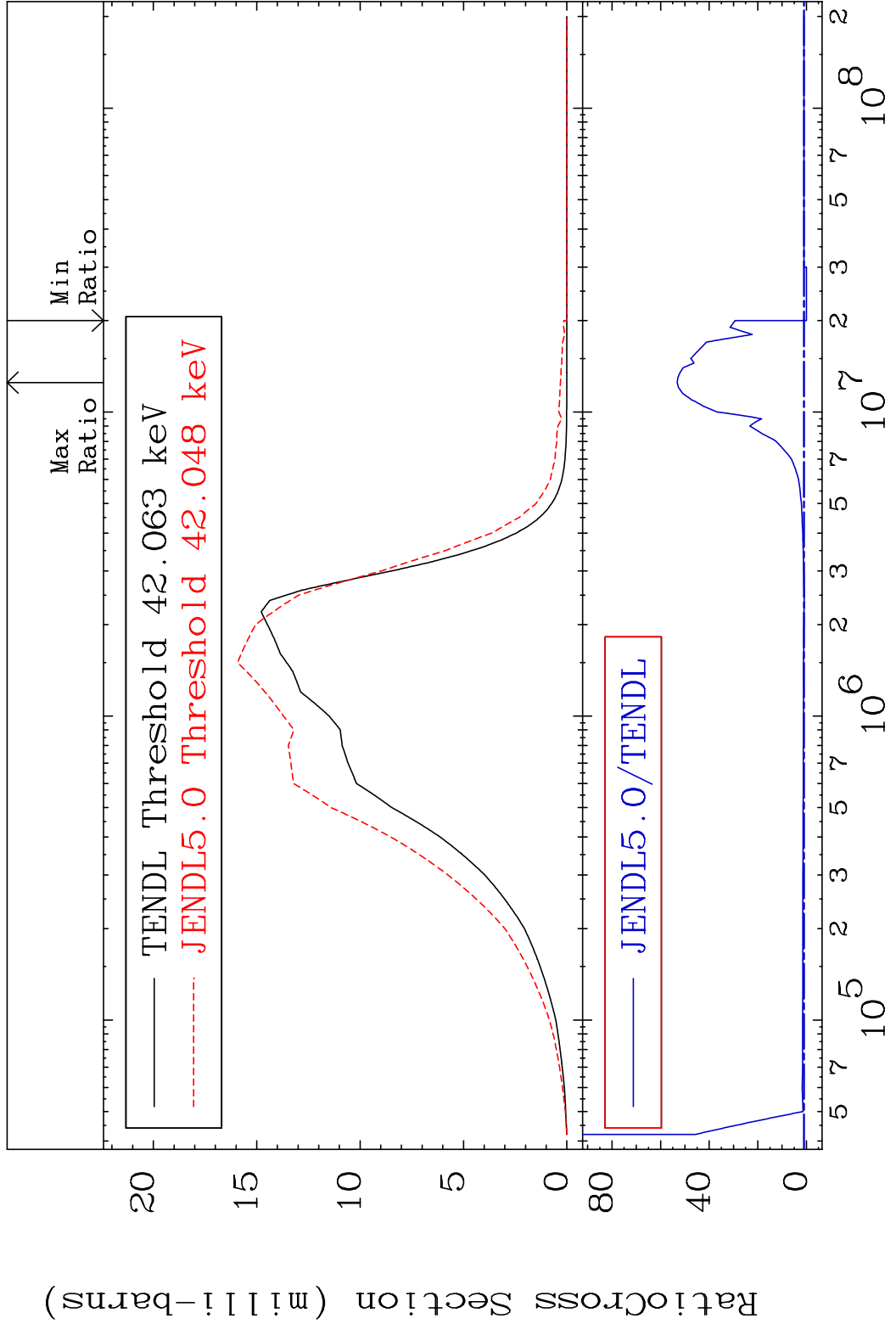


MAT 3640 MT= 51 (n, n') Level 36-Kr-83  
 Cross Section -100.0 To 5117. %

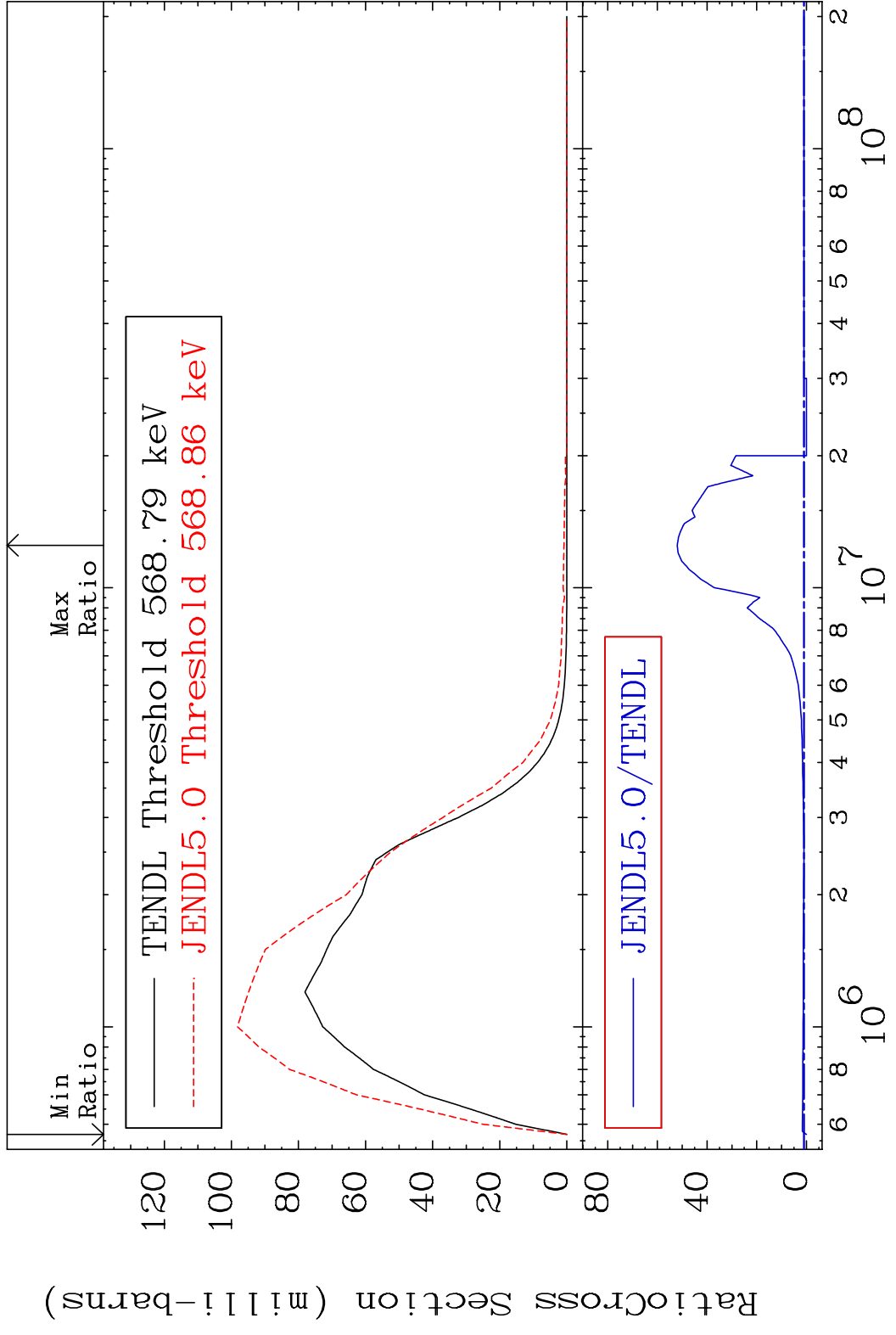


10 Incident Energy (eV) 36-Kr-83

MAT 3640 MT= 52 (n, n') Level 36-Kr-83  
 Cross Section -100.0 To 5217. %

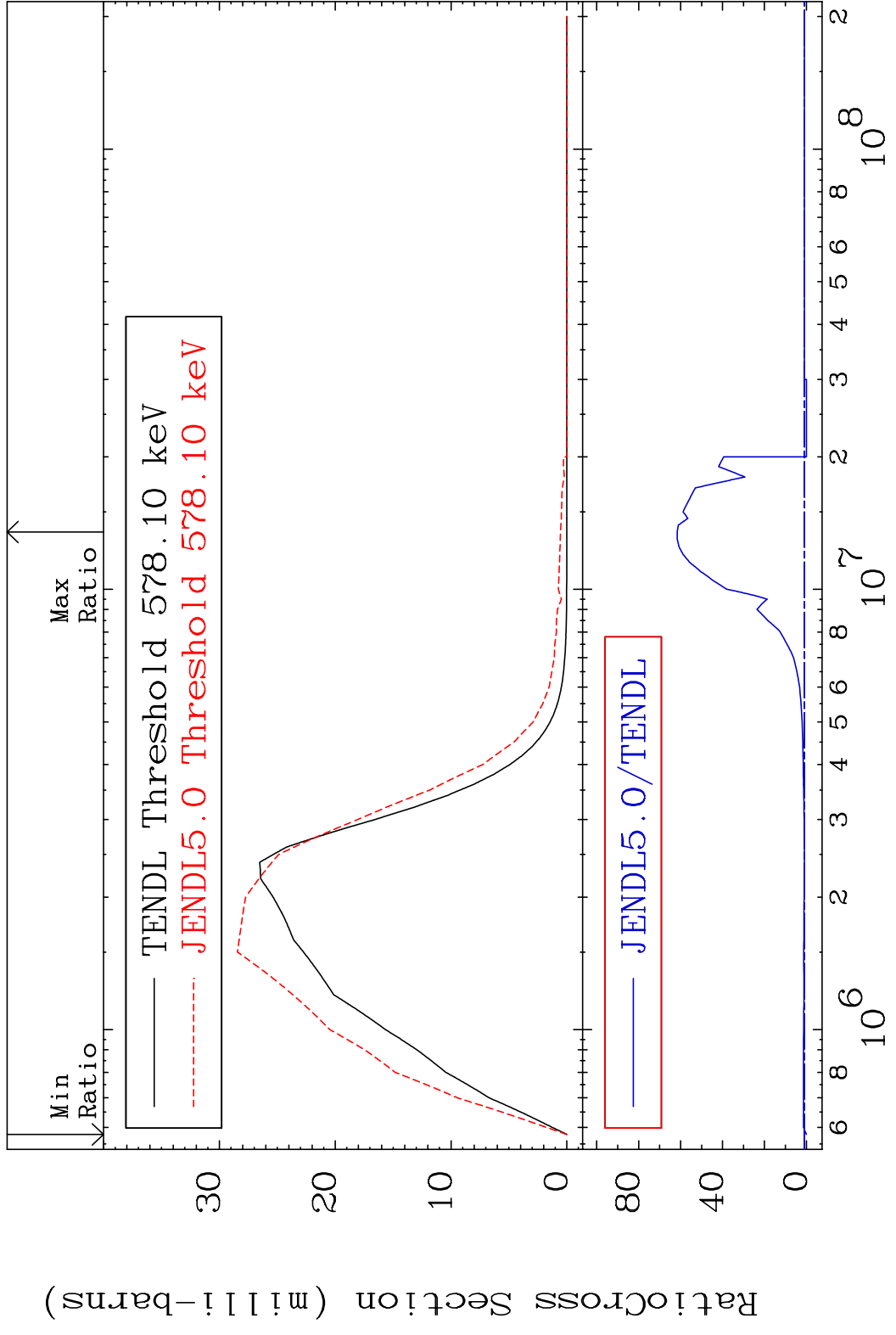


MAT 3640 MT= 53 (n, n') Level 36-Kr-83  
 Cross Section -100.0 To 5103. %

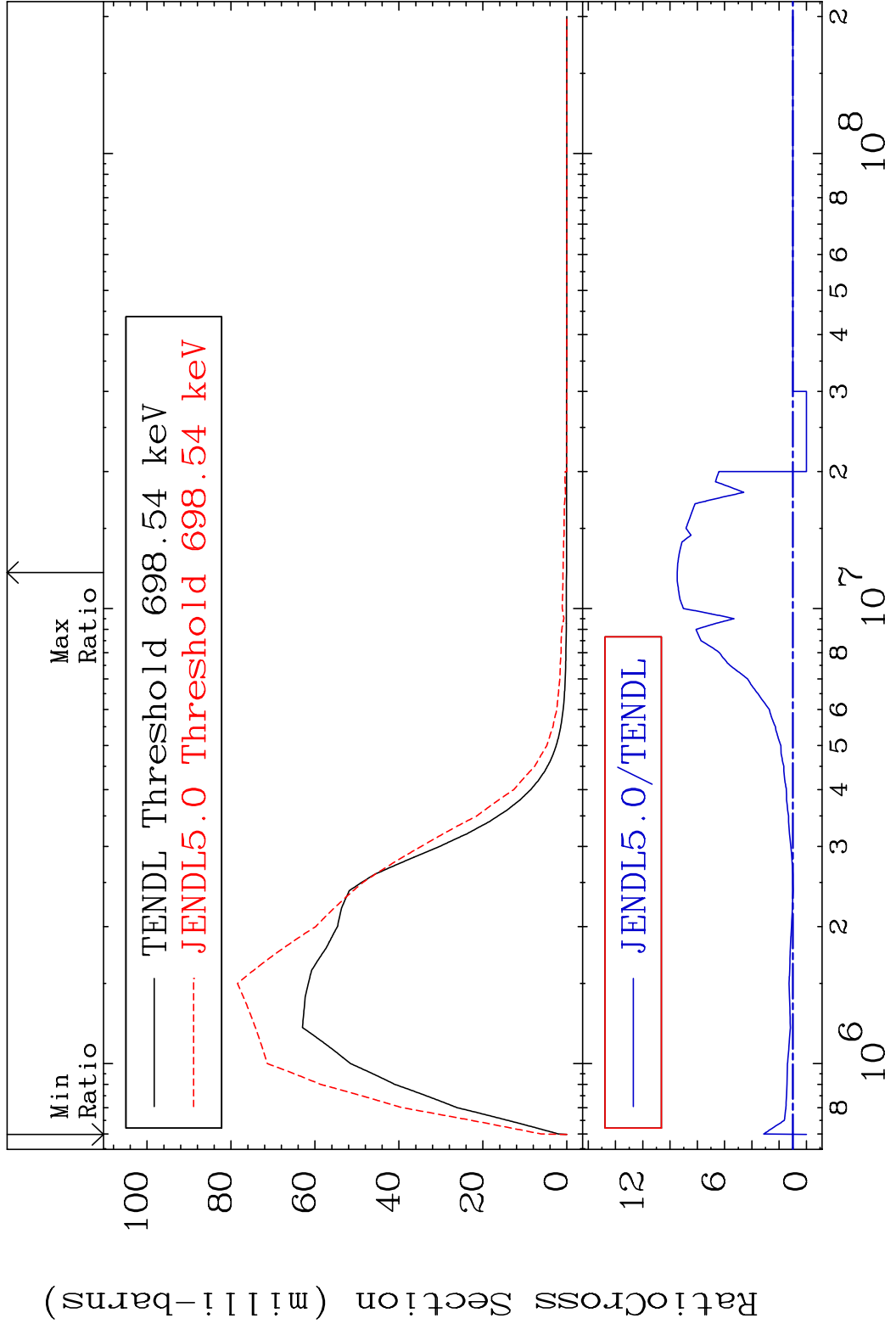


12 36-Kr-83

MAT 3640 MT= 54 (n, n') Level 36-Kr-83  
 Cross Section -100.0 To 6063. %

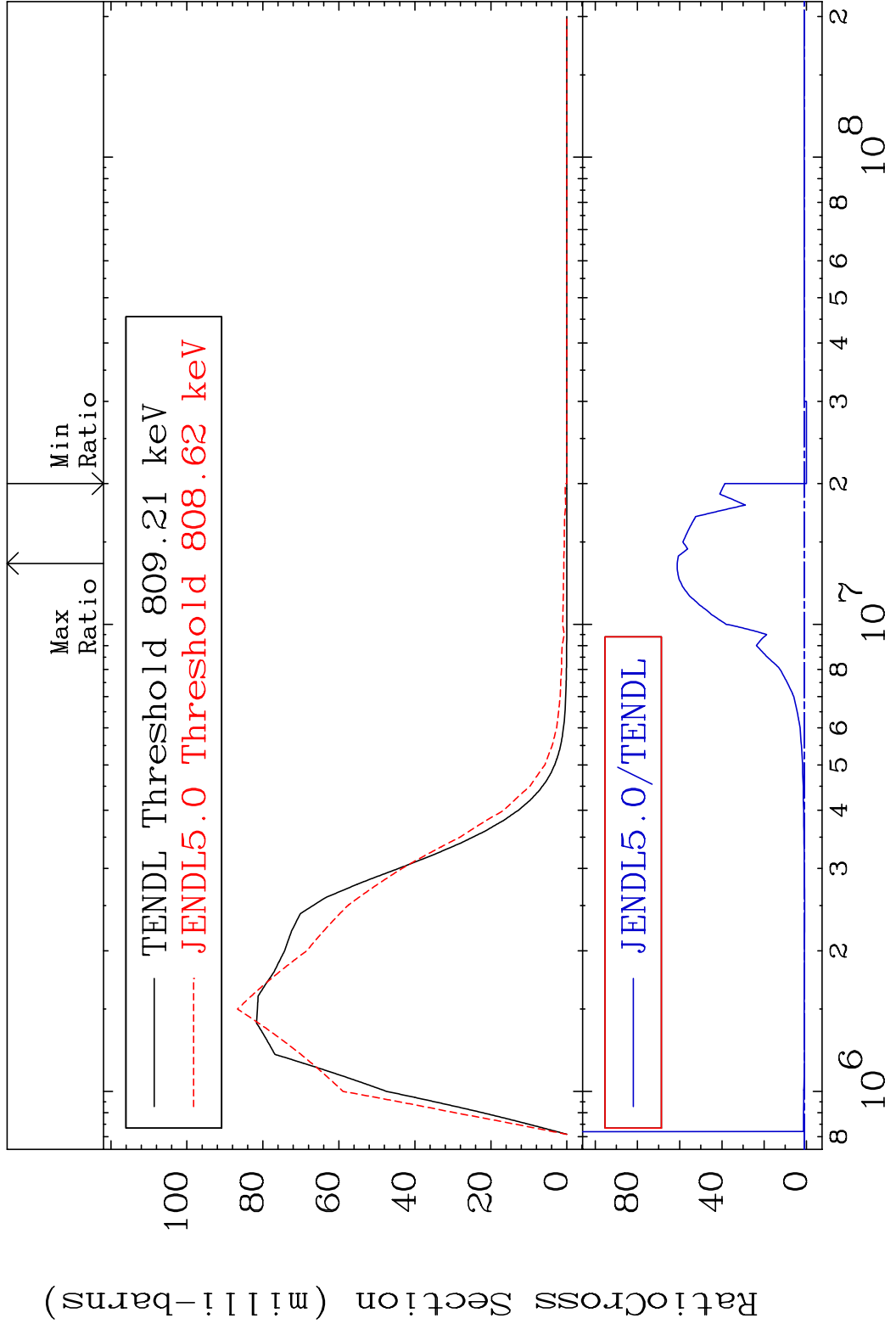


MAT 3640 MT= 55 (n, n') Level 36-Kr-83  
 Cross Section -100.0 To 847.6 %



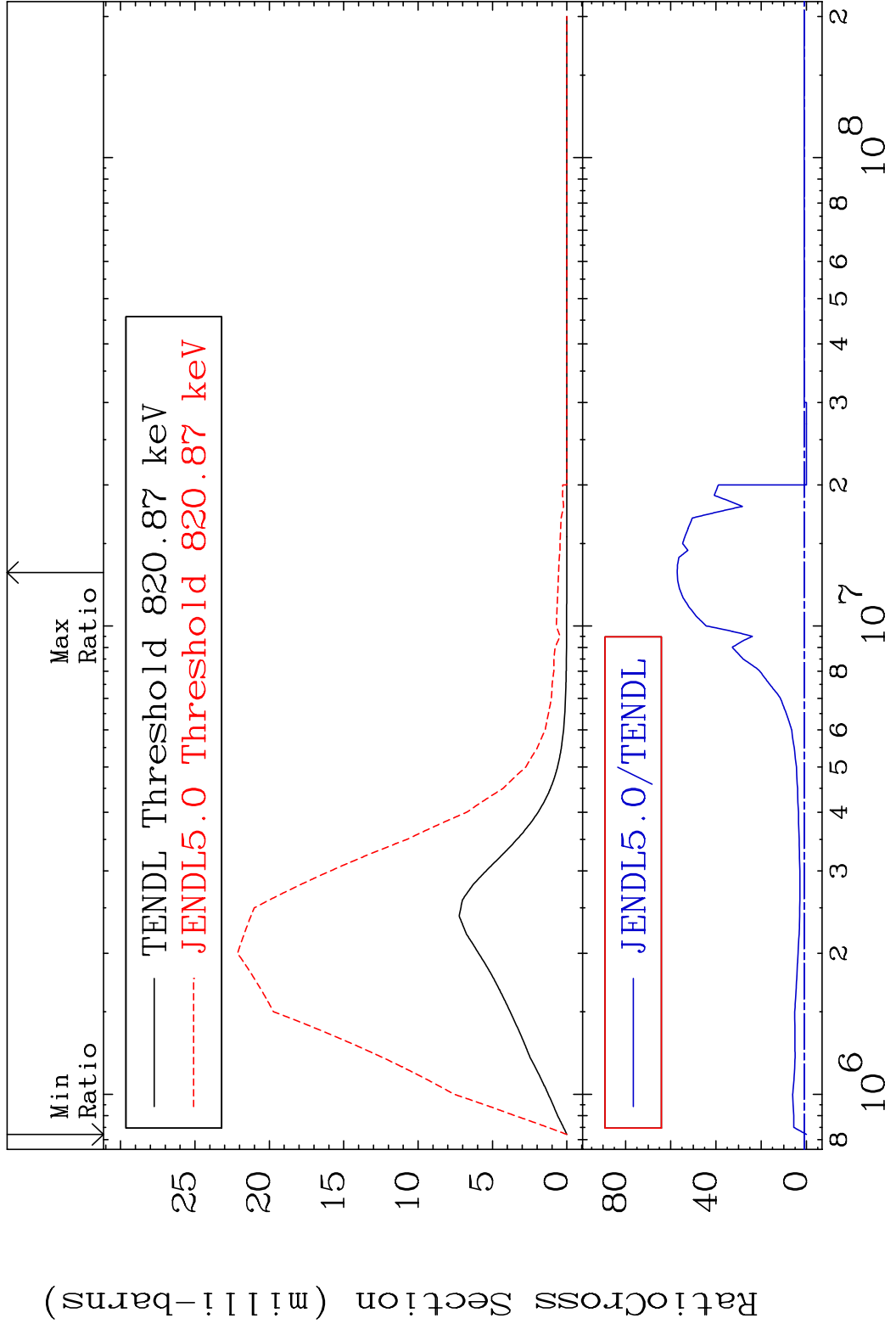
14 36-Kr-83

MAT 3640 MT= 56 (n, n') Level 36-Kr-83  
 Cross Section -100.0 To 6020. %



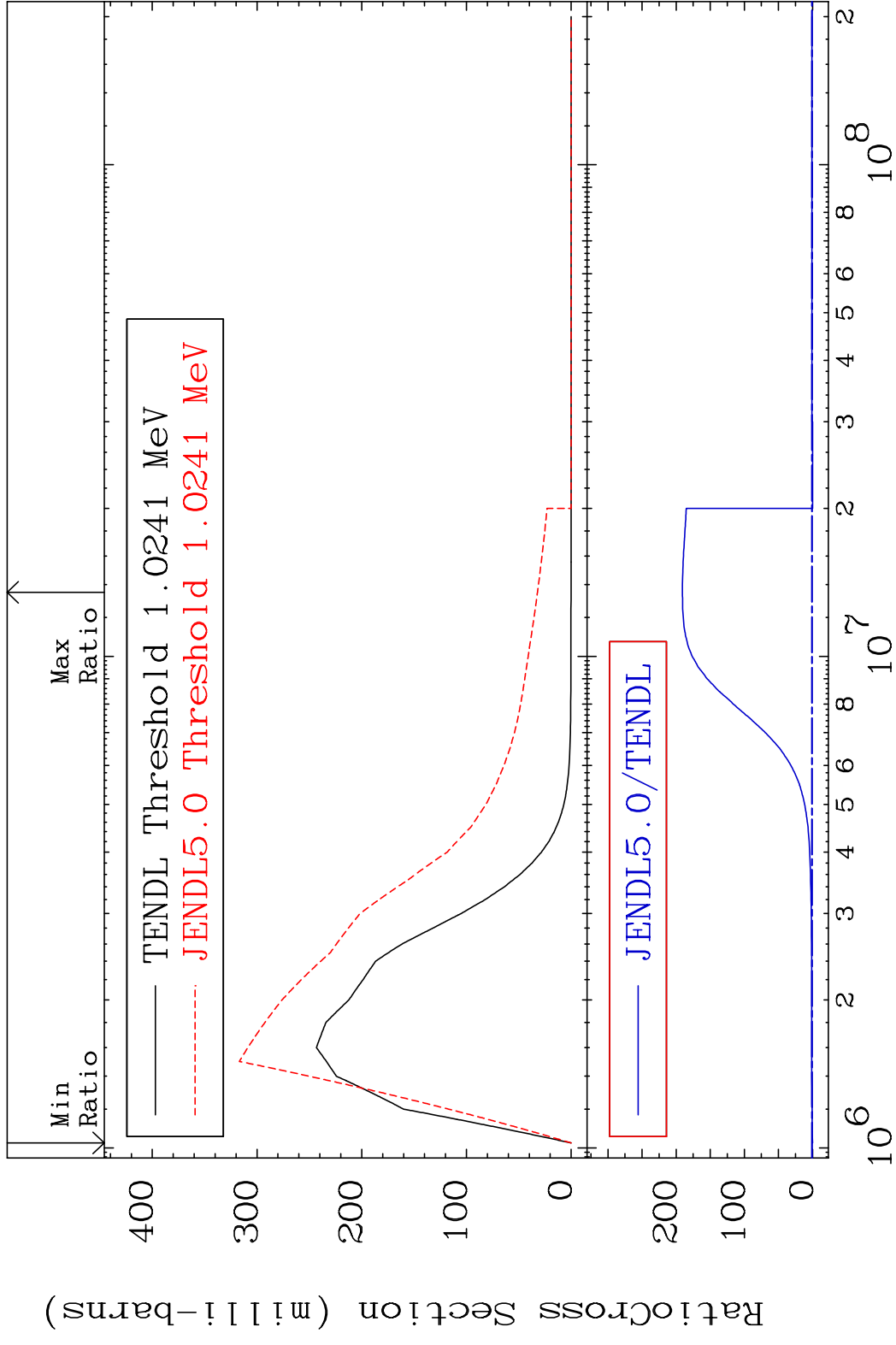
15 36-Kr-83

MAT 3640 MT= 57 (n, n') Level 36-Kr-83  
 Cross Section -100.0 To 5616. %



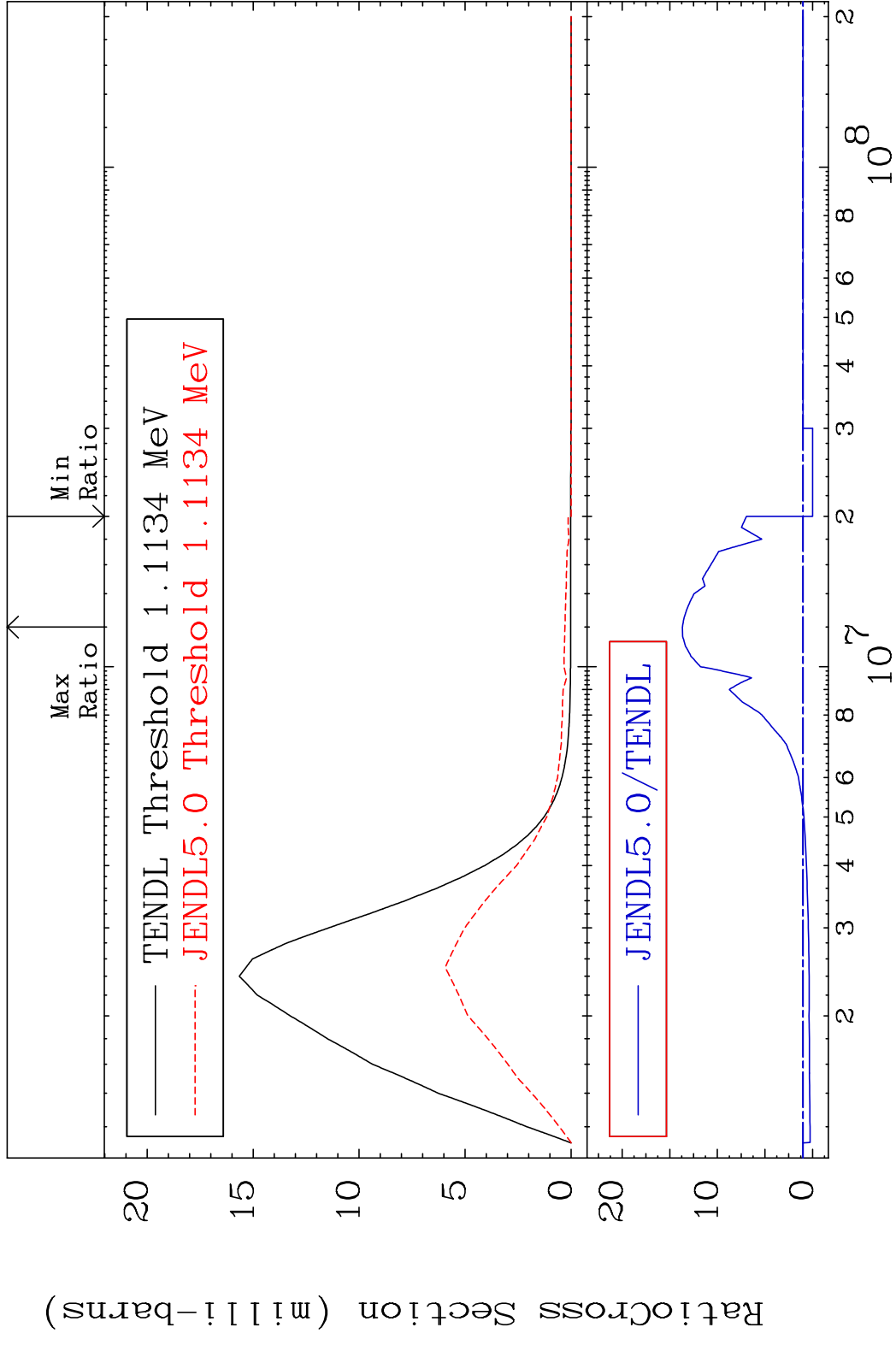
16 36-Kr-83

MAT 3640 MT= 58 (n, n') Level 36-Kr-83  
 Cross Section -100.0 To 9999. %

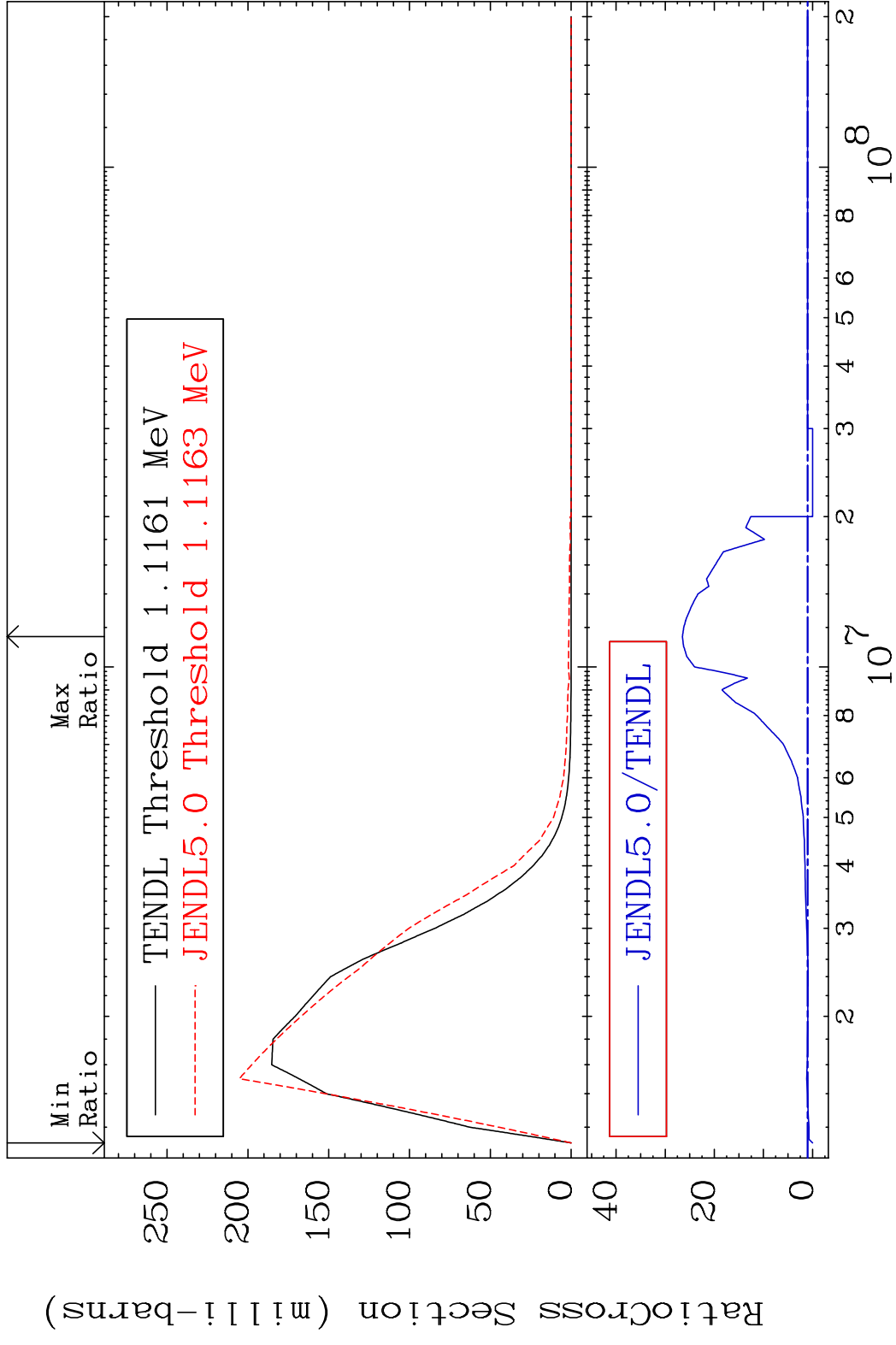


17 36-Kr-83

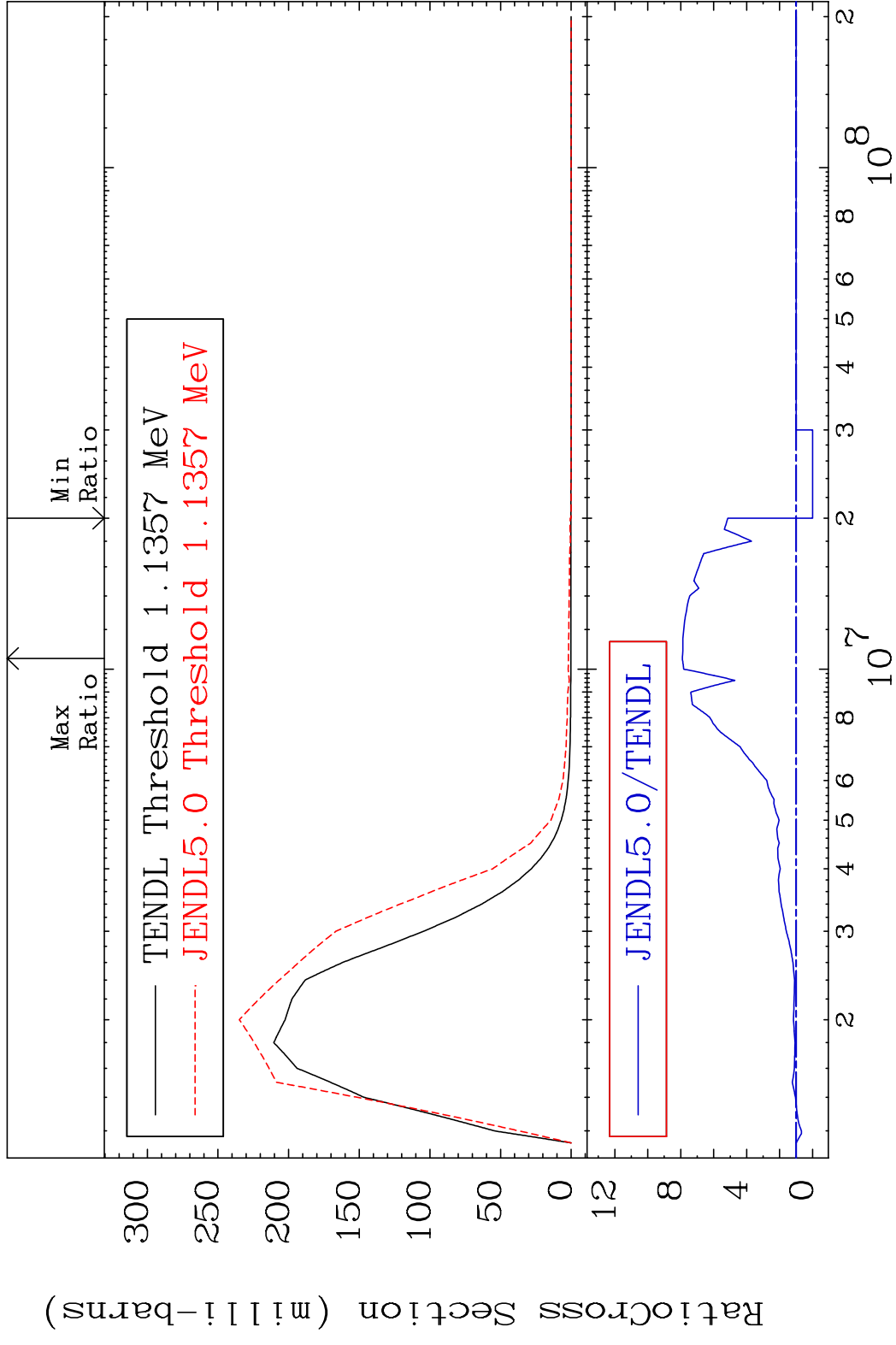
MAT 3640 MT= 59 (n, n') Level 36-Kr-83  
 Cross Section -100.0 To 1268. %



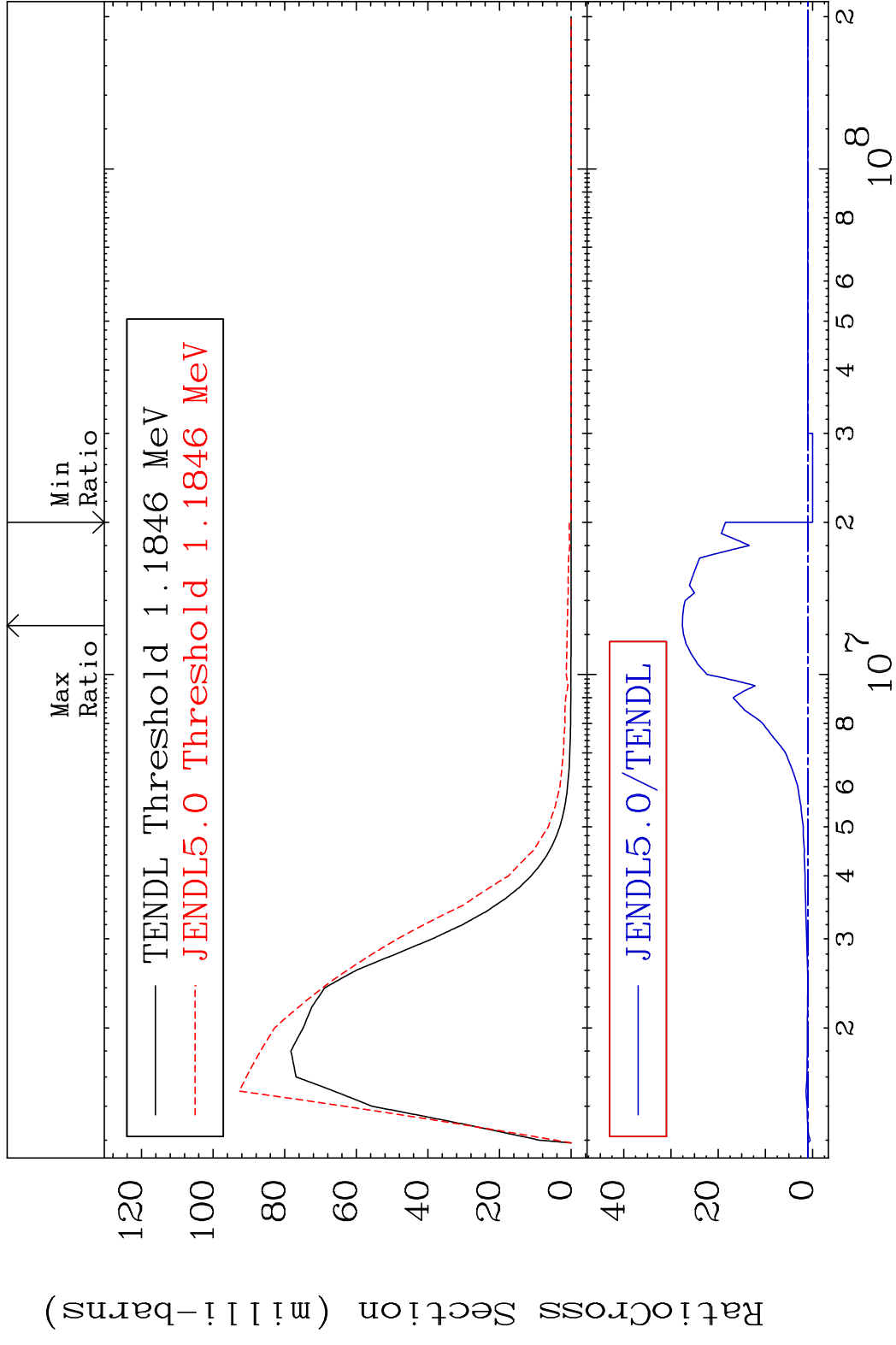
MAT 3640 MT= 60 (n, n') Level 36-Kr-83  
 Cross Section -100.0 To 2551. %



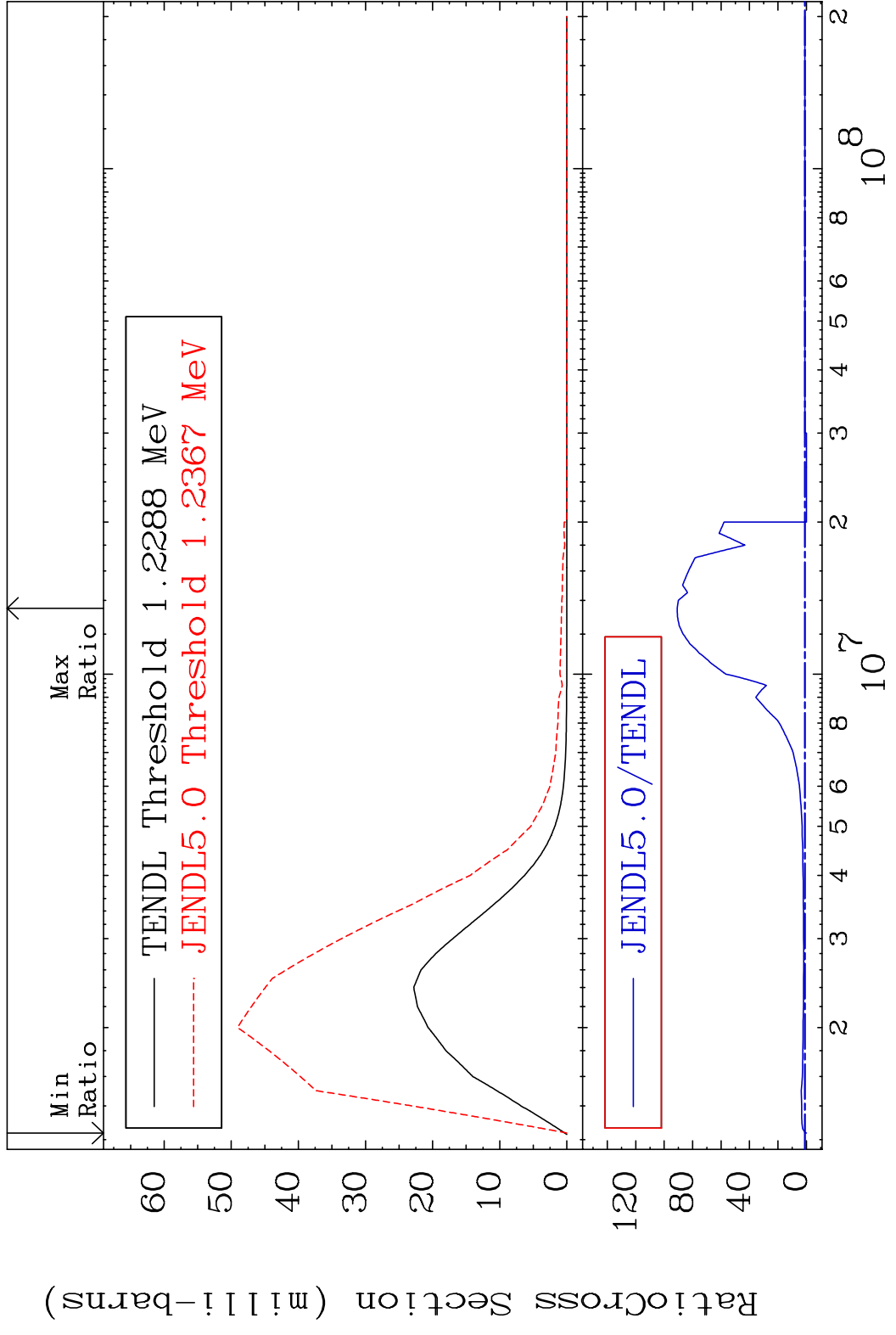
MAT 3640 MT= 61 (n, n') Level 36-Kr-83  
 Cross Section -100.0 To 690.2 %



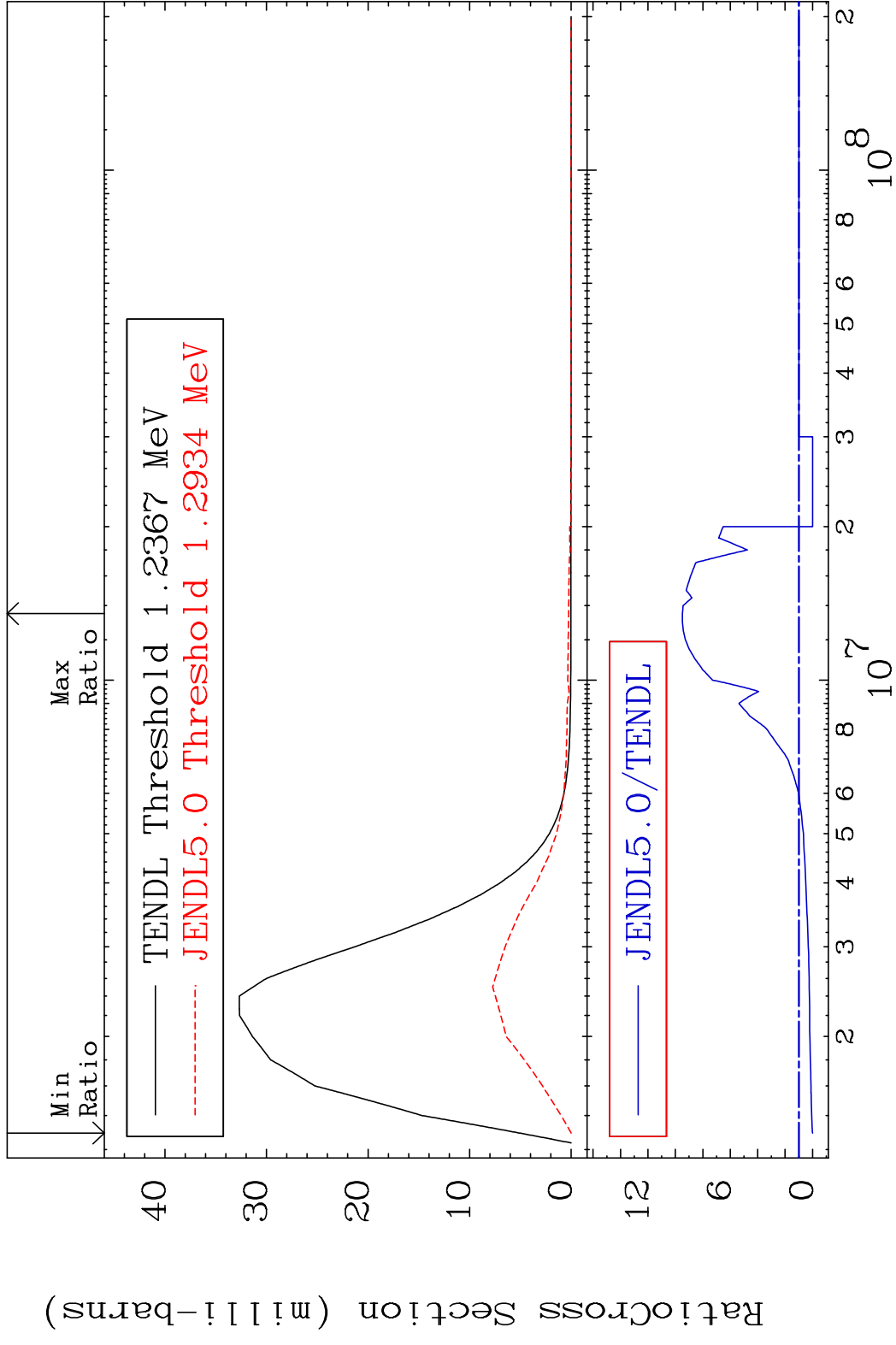
MAT 3640 MT= 62 (n, n') Level 36-Kr-83  
 Cross Section -100.0 To 2659. %



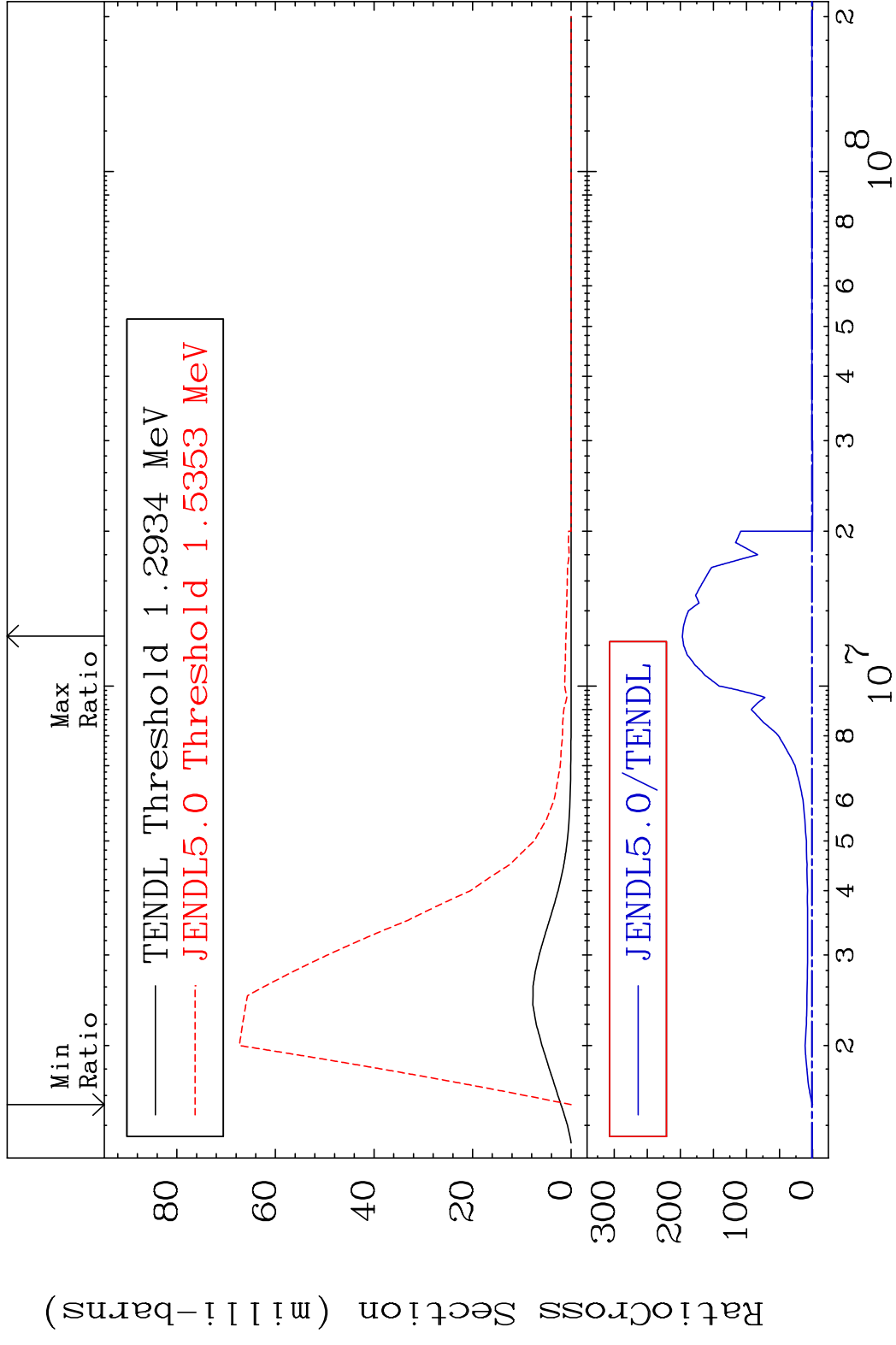
MAT 3640 MT= 63 (n, n') Level 36-Kr-83  
 Cross Section -100.0 To 8987. %



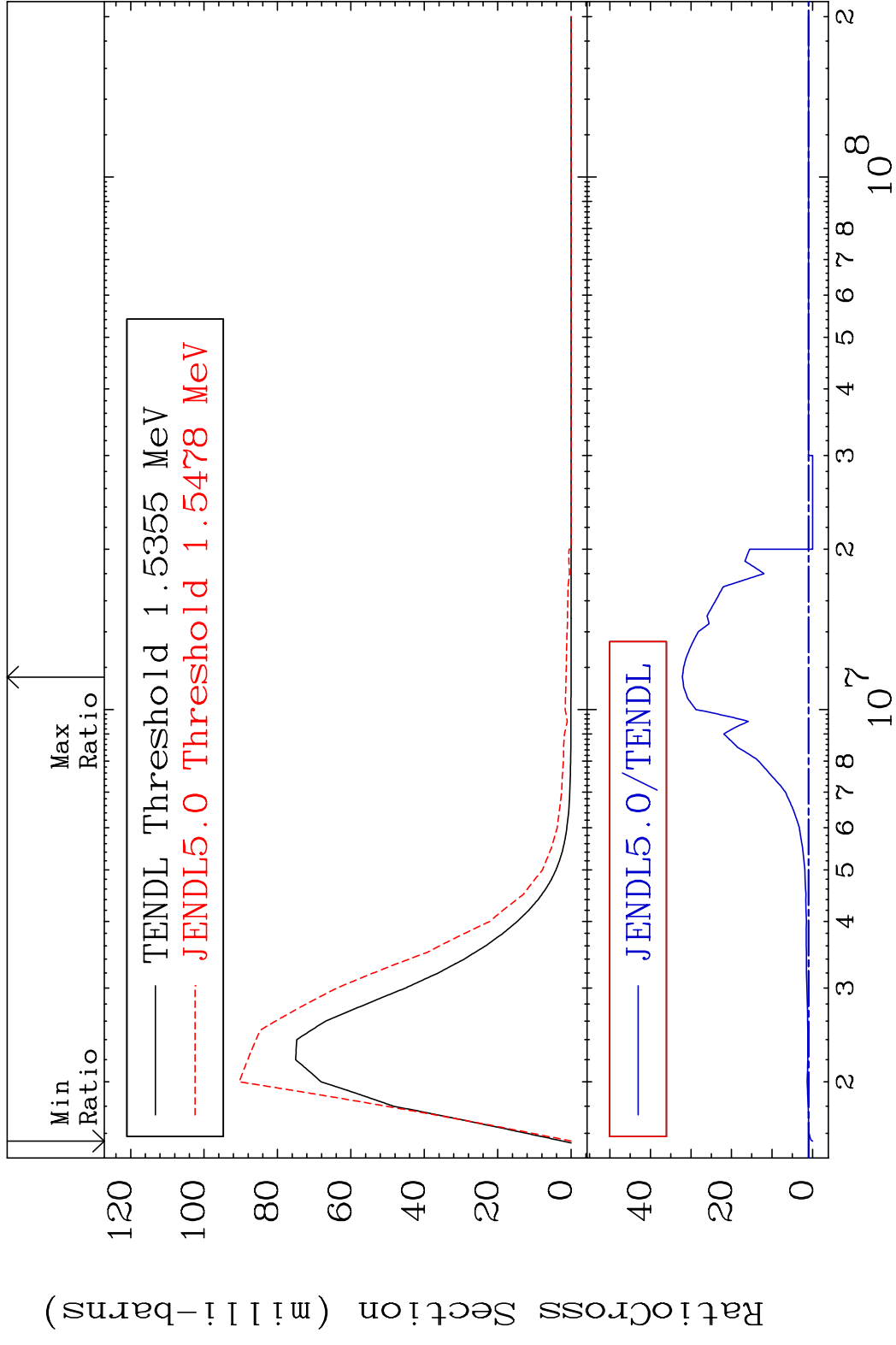
MAT 3640 MT= 64 (n, n') Level 36-Kr-83  
 Cross Section -100.0 To 849.2 %



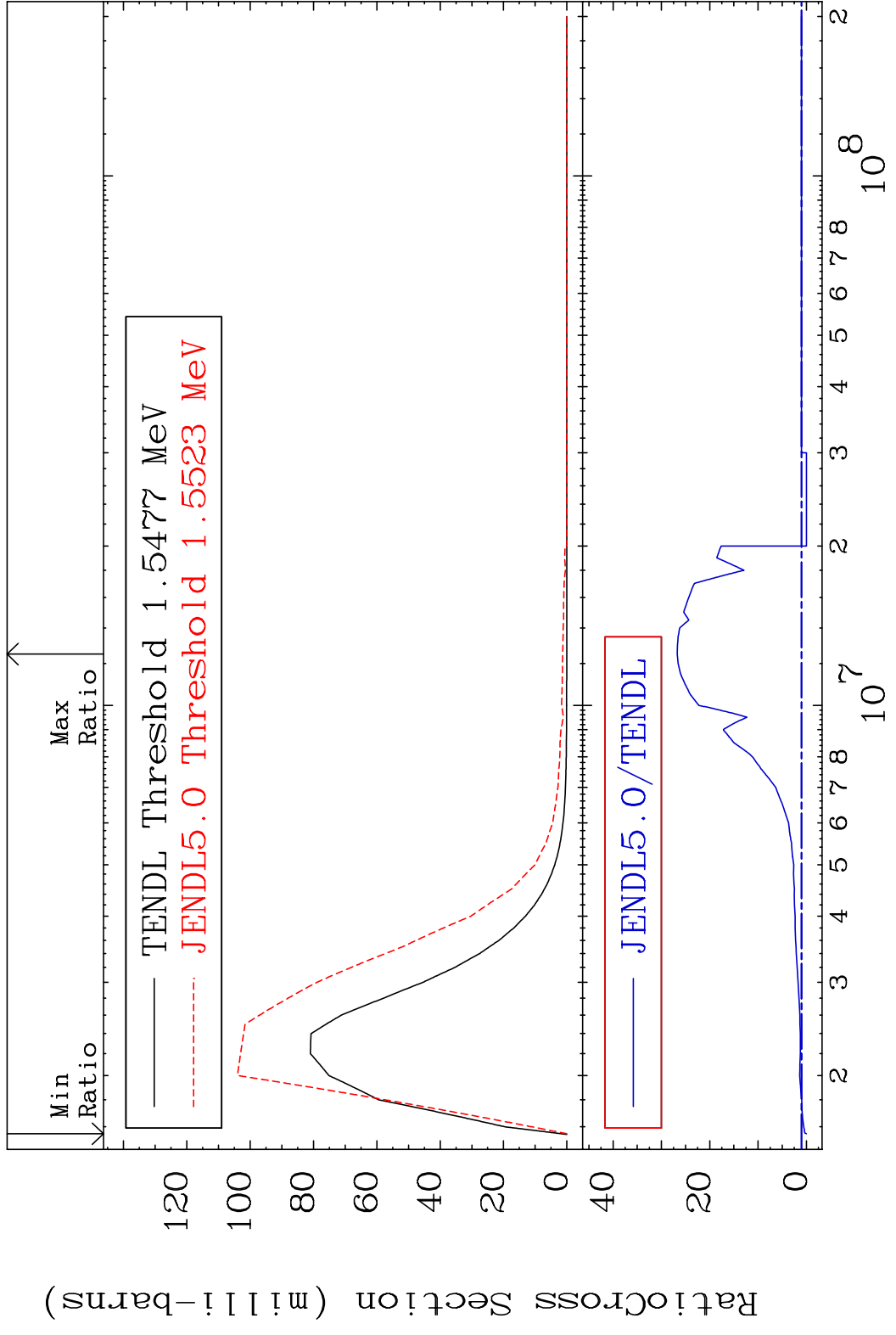
MAT 3640 MT= 65 (n, n') Level 36-Kr-83  
 Cross Section -100.0 To 9999. %



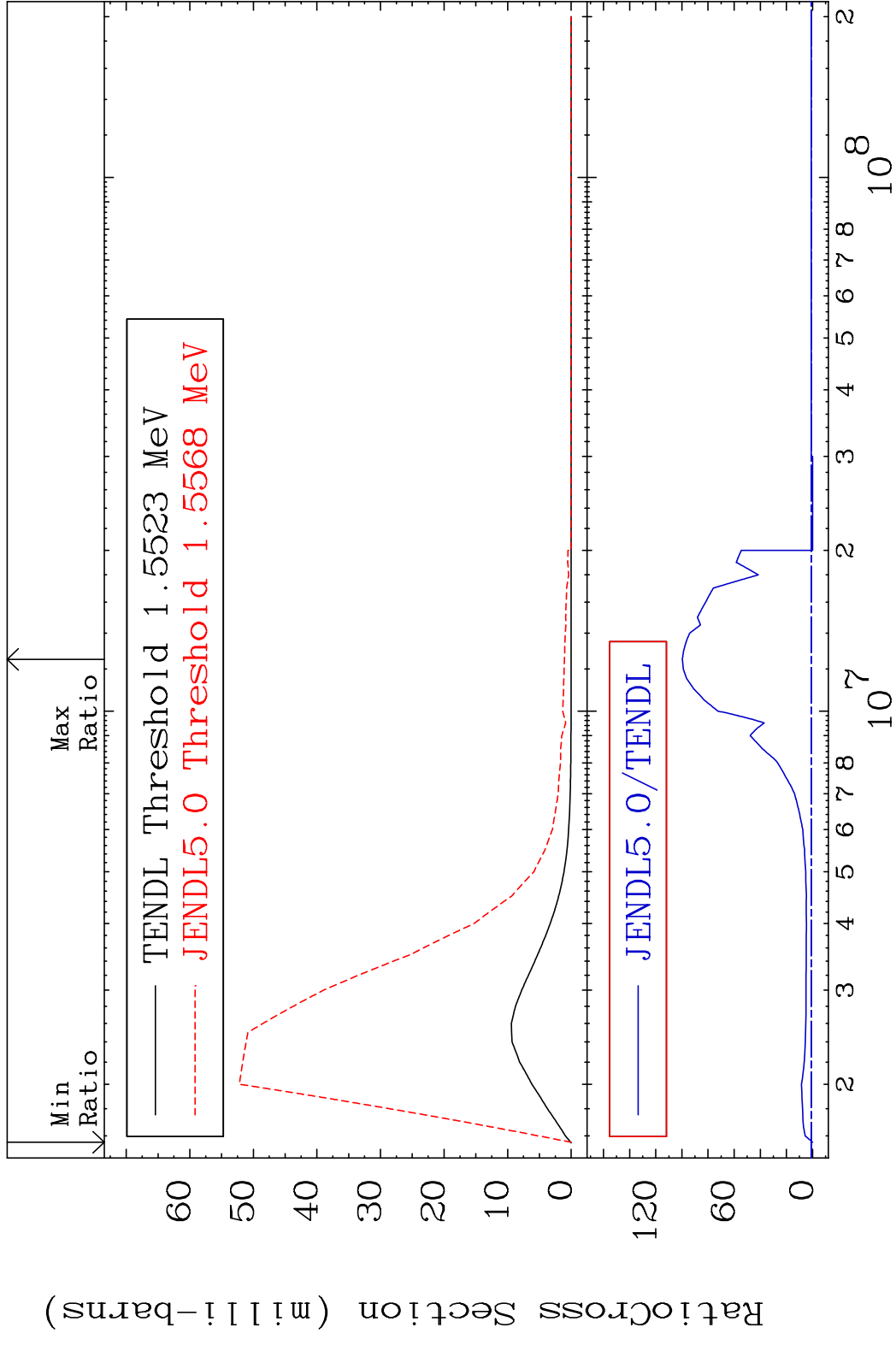
MAT 3640 MT= 66 (n, n') Level 36-Kr-83  
 Cross Section -100.0 To 3113. %



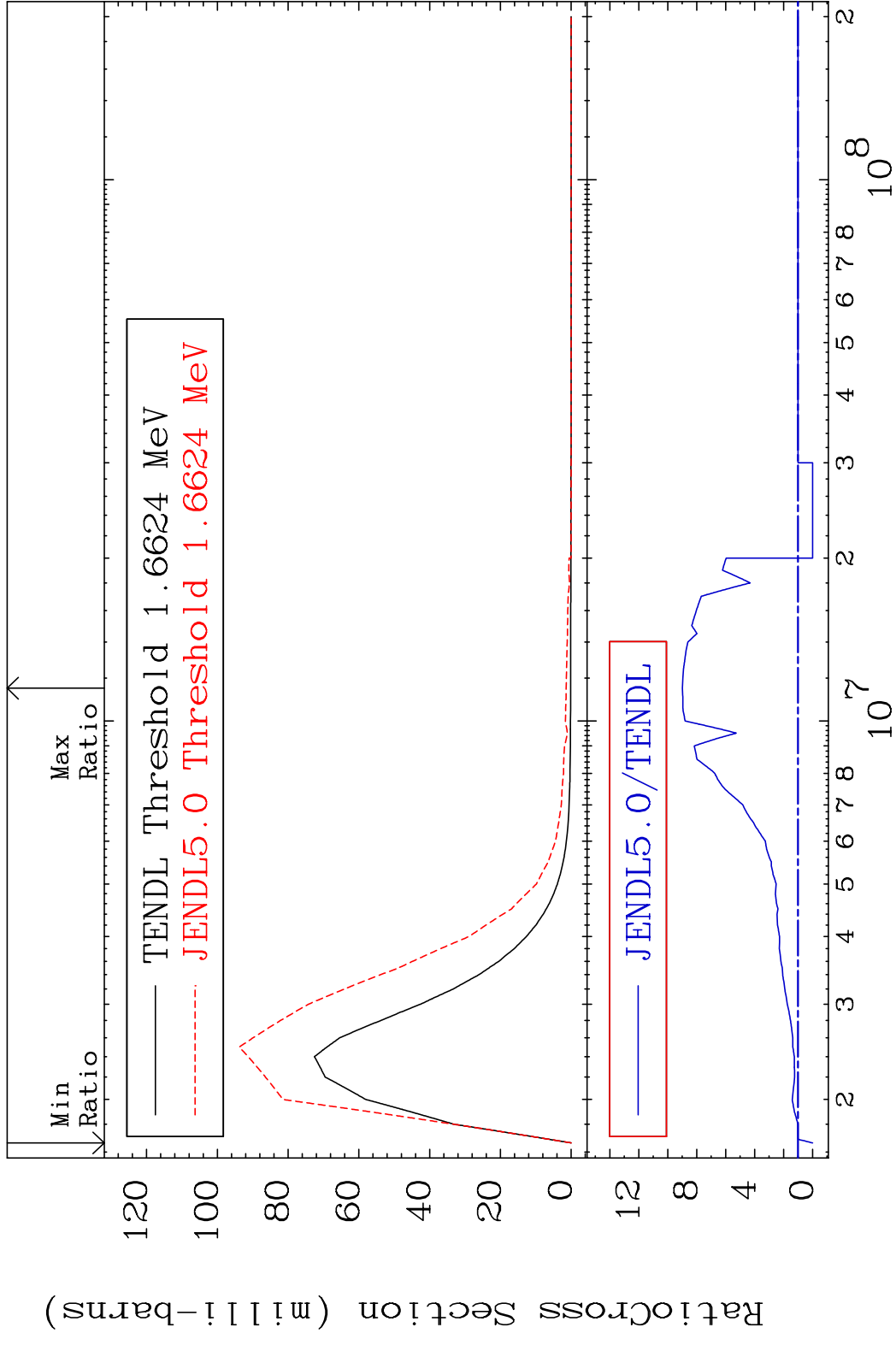
MAT 3640 MT= 67 (n, n') Level 36-Kr-83  
 Cross Section -100.0 To 2574. %



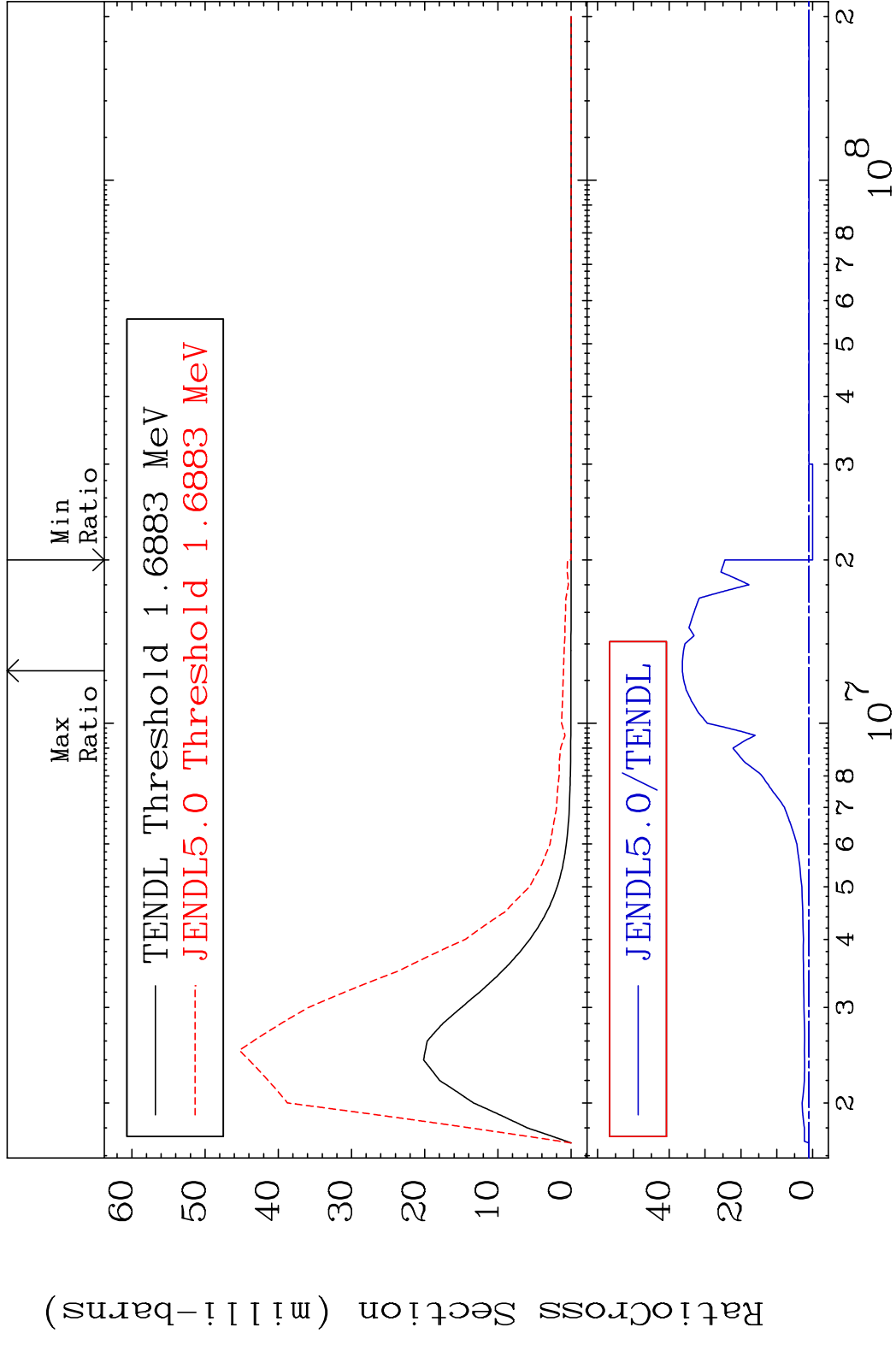
MAT 3640 MT= 68 (n, n') Level 36-Kr-83  
 Cross Section -100.0 To 9866. %



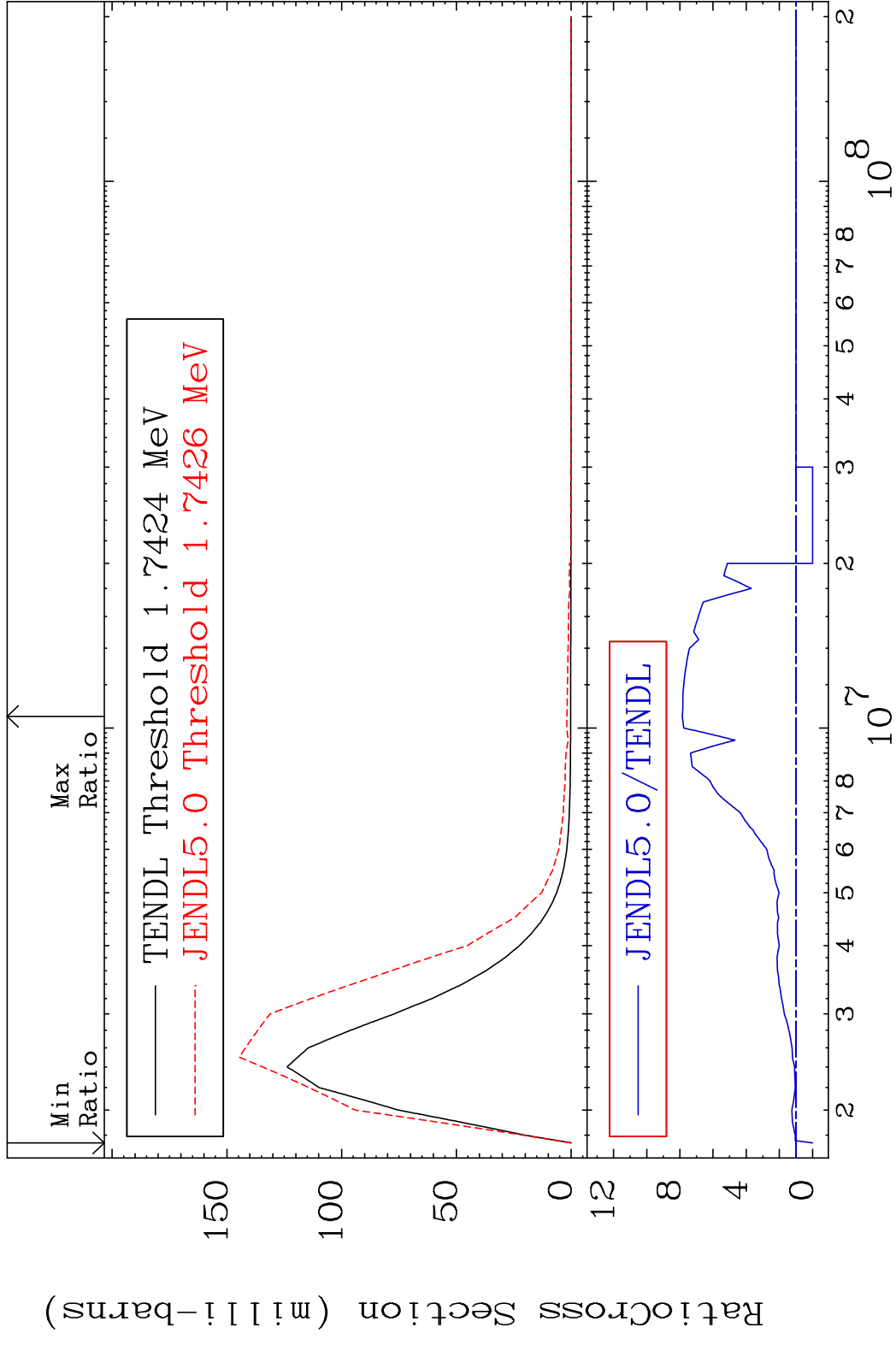
MAT 3640 MT= 69 (n, n') Level 36-Kr-83  
 Cross Section -100.0 To 799.1 %



MAT 3640 MT= 70 (n, n') Level 36-Kr-83  
 Cross Section -100.0 To 3534. %

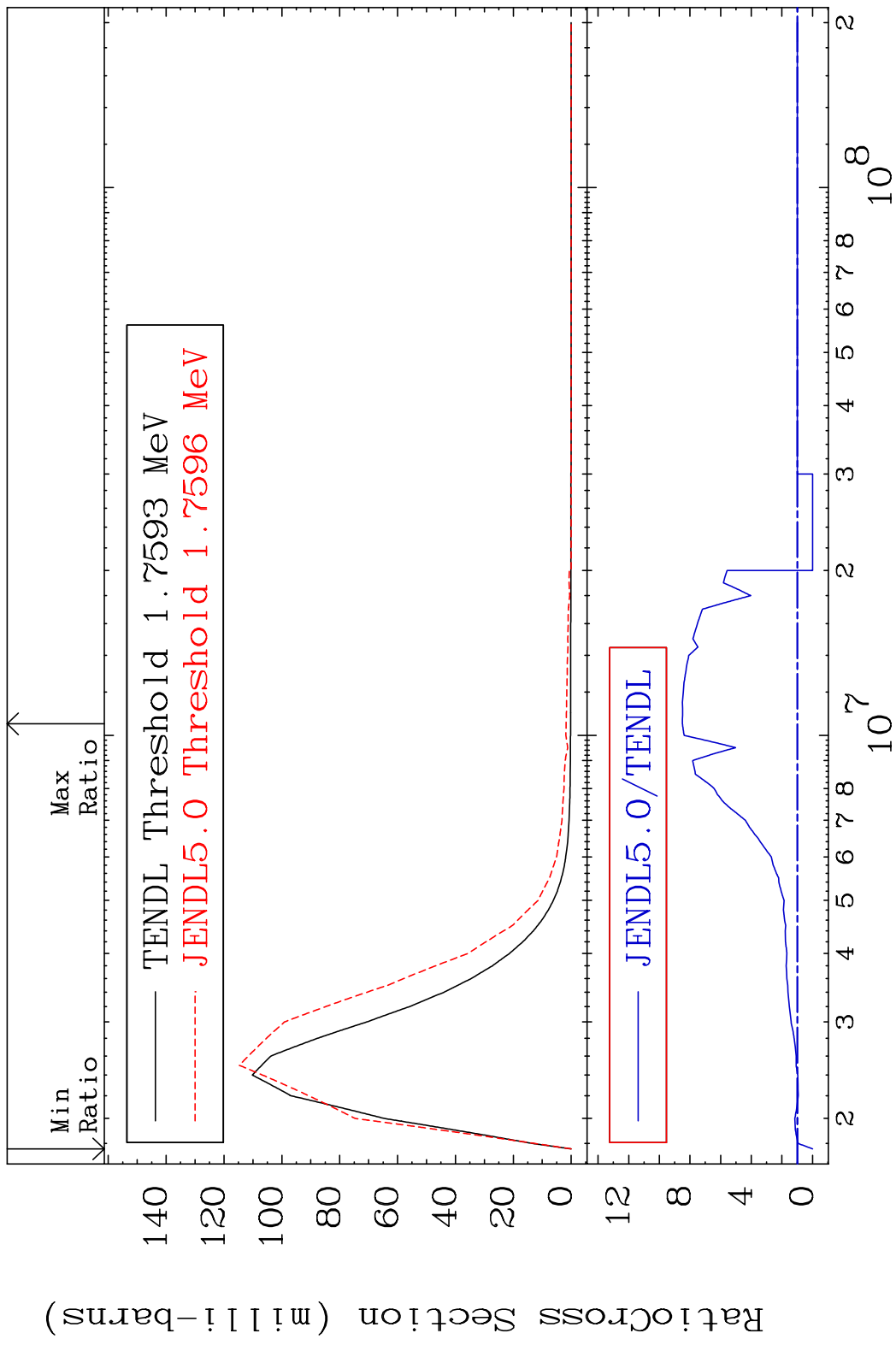


MAT 3640 MT= 71 (n, n') Level 36-Kr-83  
 Cross Section -100.0 To 685.2 %

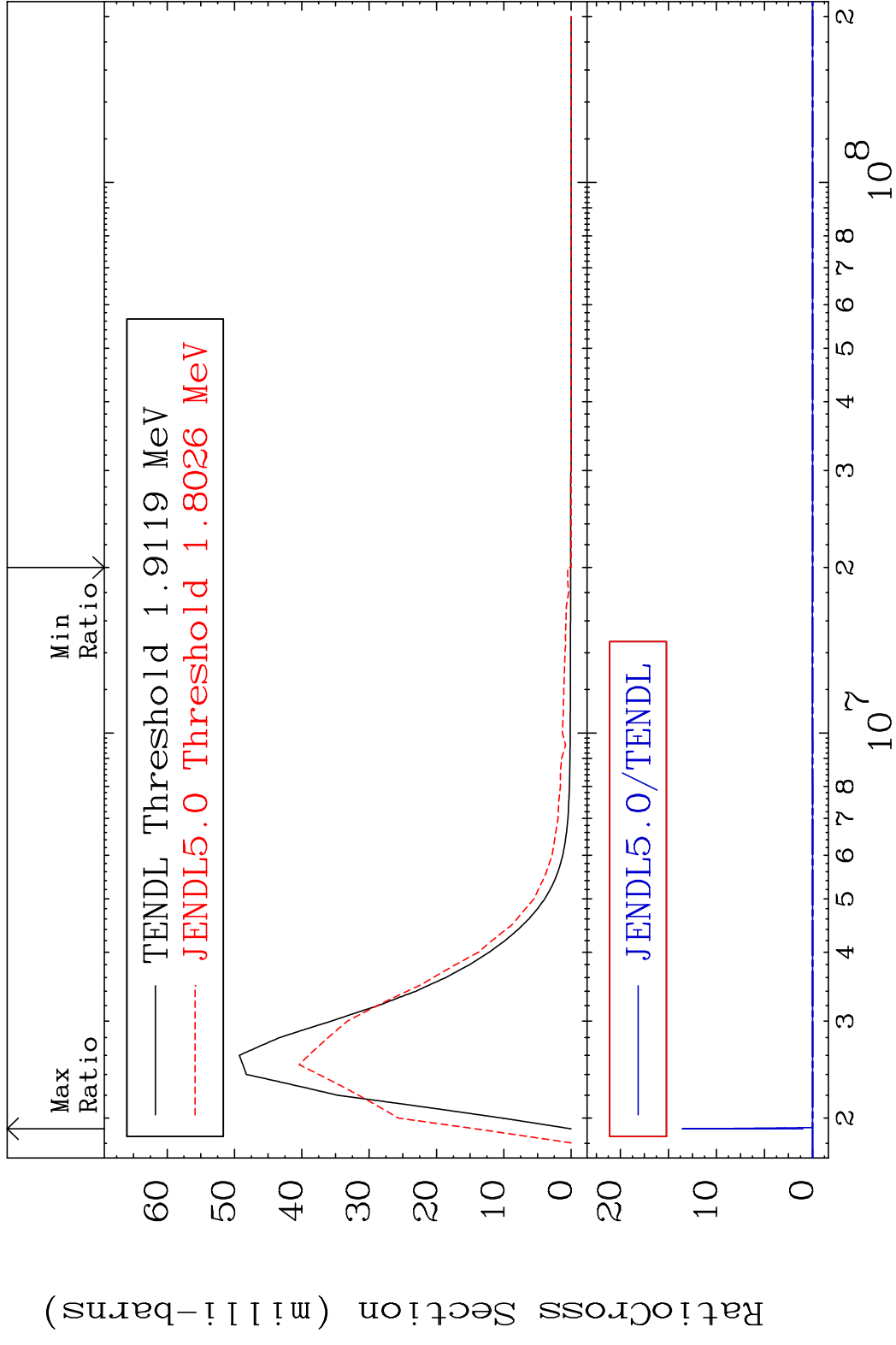


30 Incident Energy (eV) 36-Kr-83

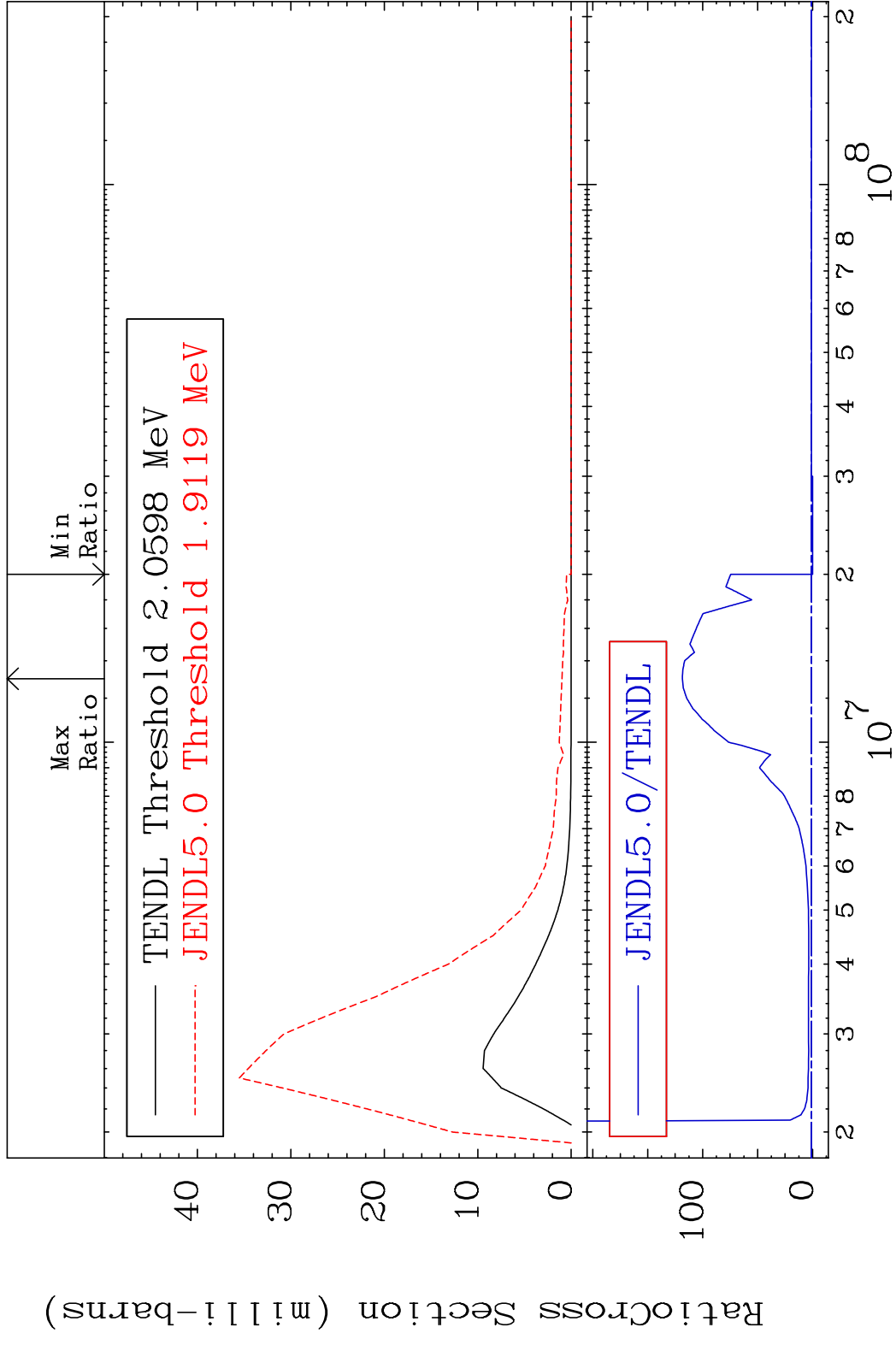
MAT 3640 MT= 72 (n, n') Level 36-Kr-83  
 Cross Section -100.0 To 749.8 %



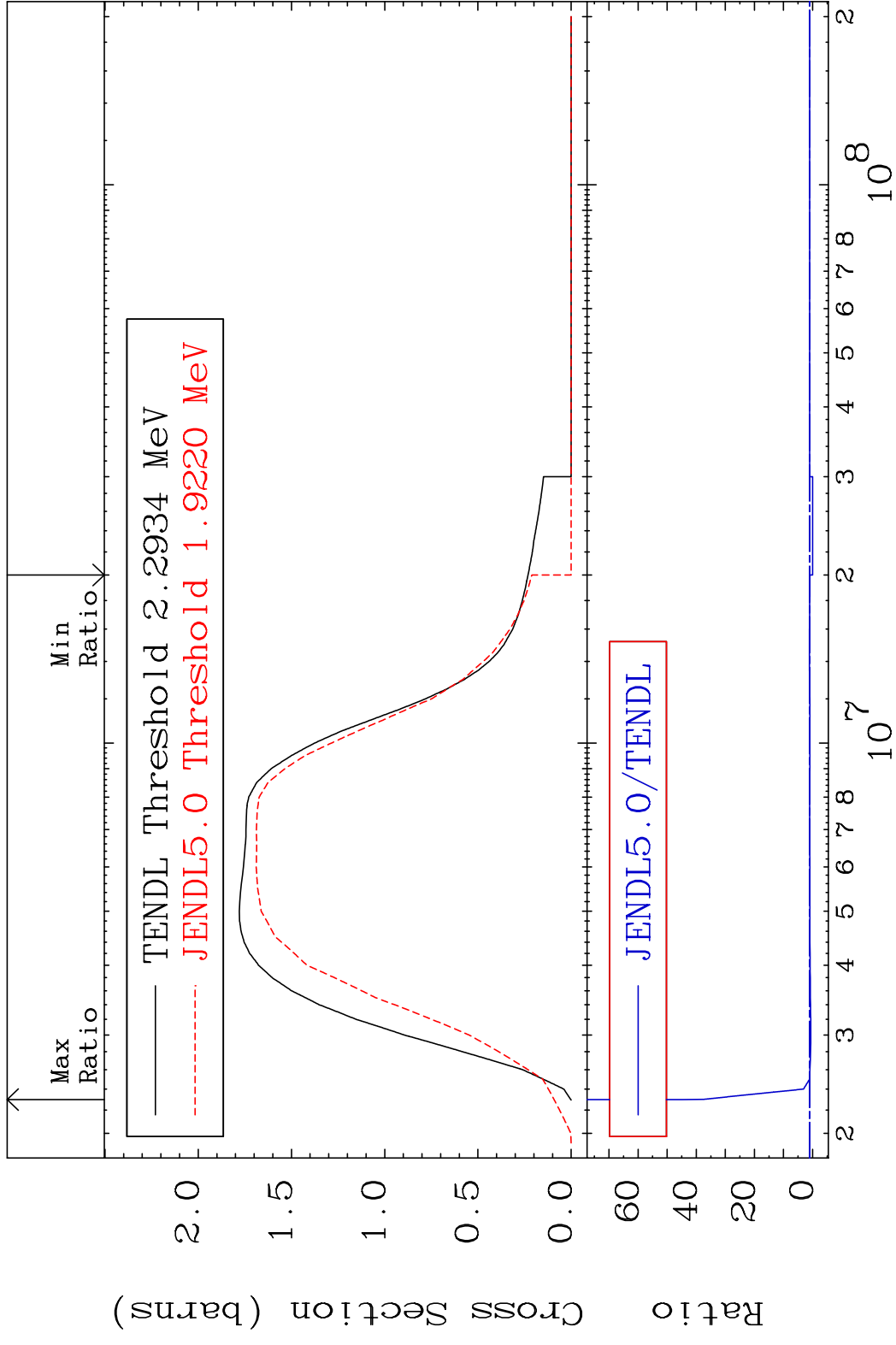
MAT 3640 MT= 73 (n, n') Level 36-Kr-83  
 Cross Section -100.0 To 9999. %



MAT 3640 MT= 74 (n, n') Level 36-Kr-83  
 Cross Section -100.0 To 9999. %



MAT 3640 (n, n') Continuum 36-Kr-83  
 Cross Section -100.0 To 4378. %

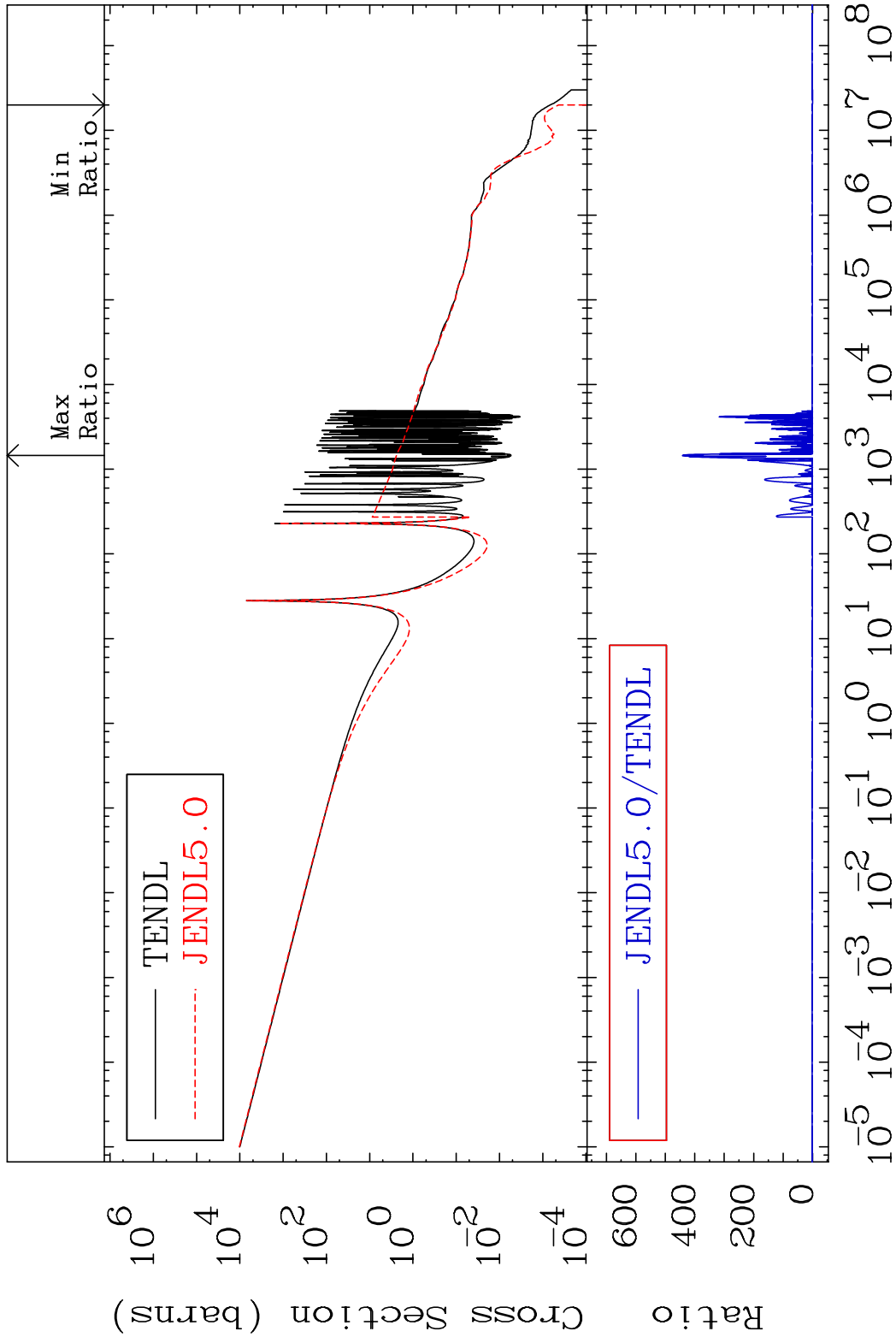


MAT 3640

(n,  $\gamma$ )

36-Kr-83

Cross Section -100.0 To 9999. %

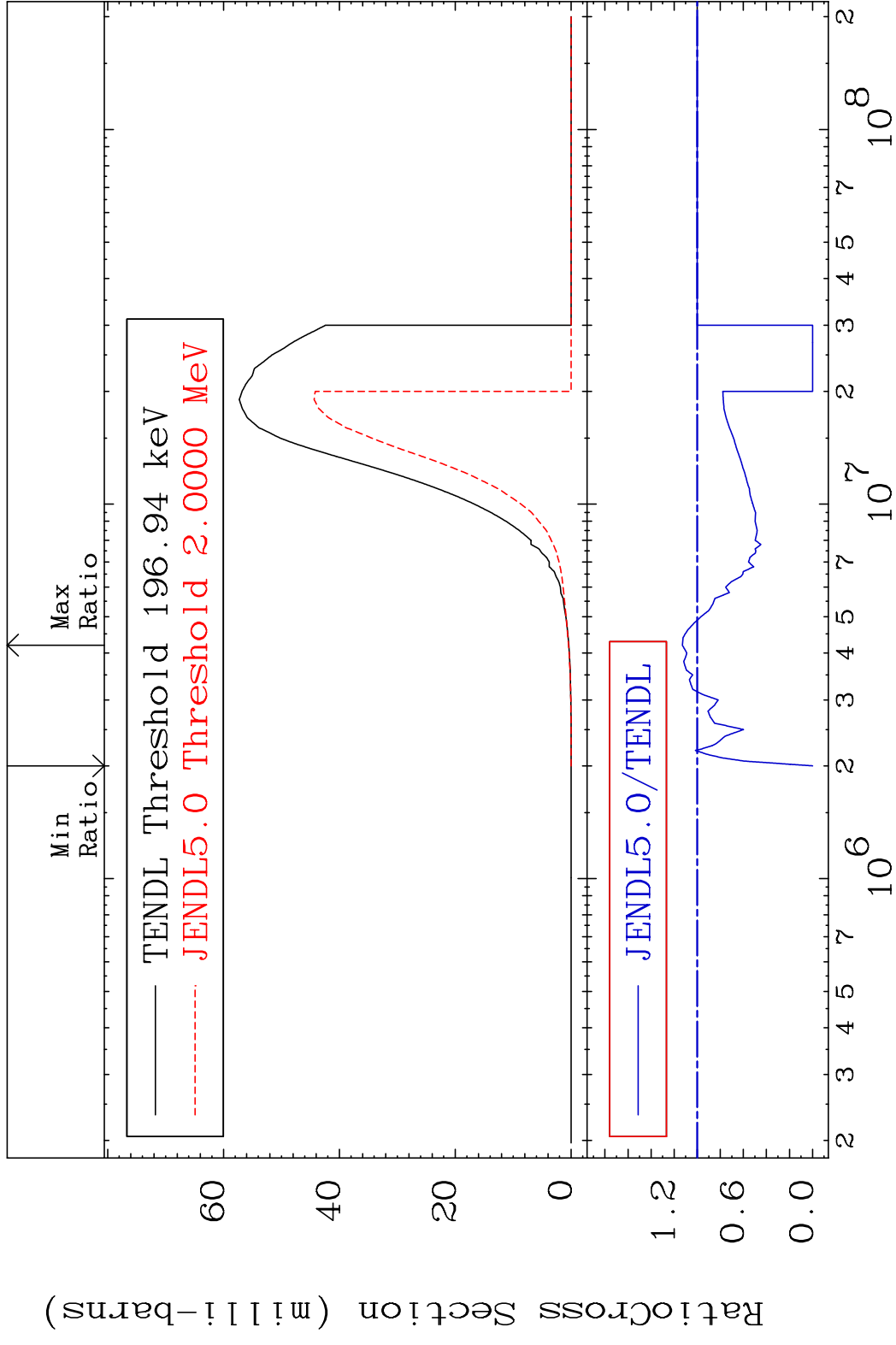


35

Incident Energy (eV)

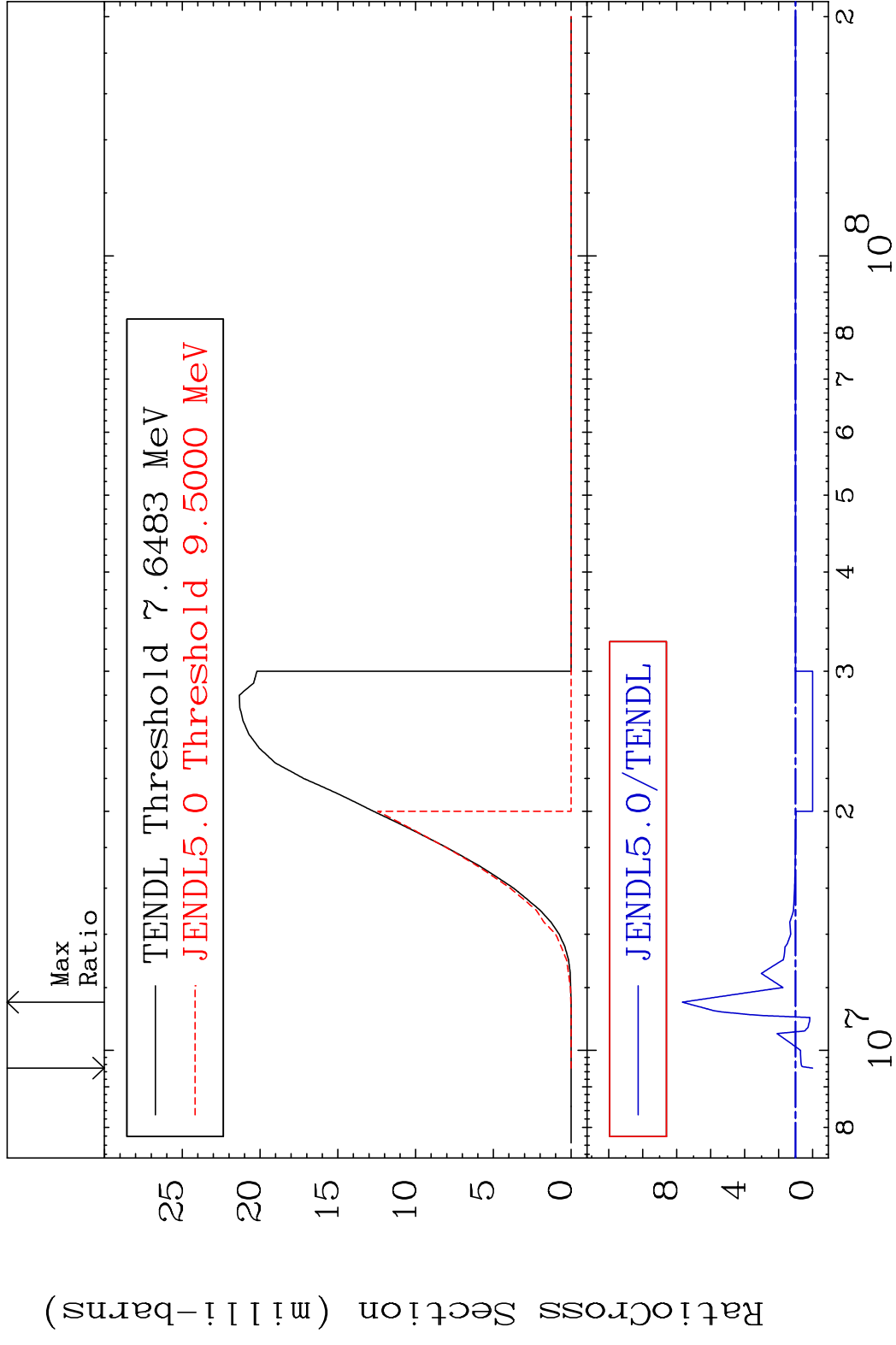
36-Kr-83

MAT 3640 (n,p) 36-Kr-83  
 Cross Section -100.0 To 12.89 %

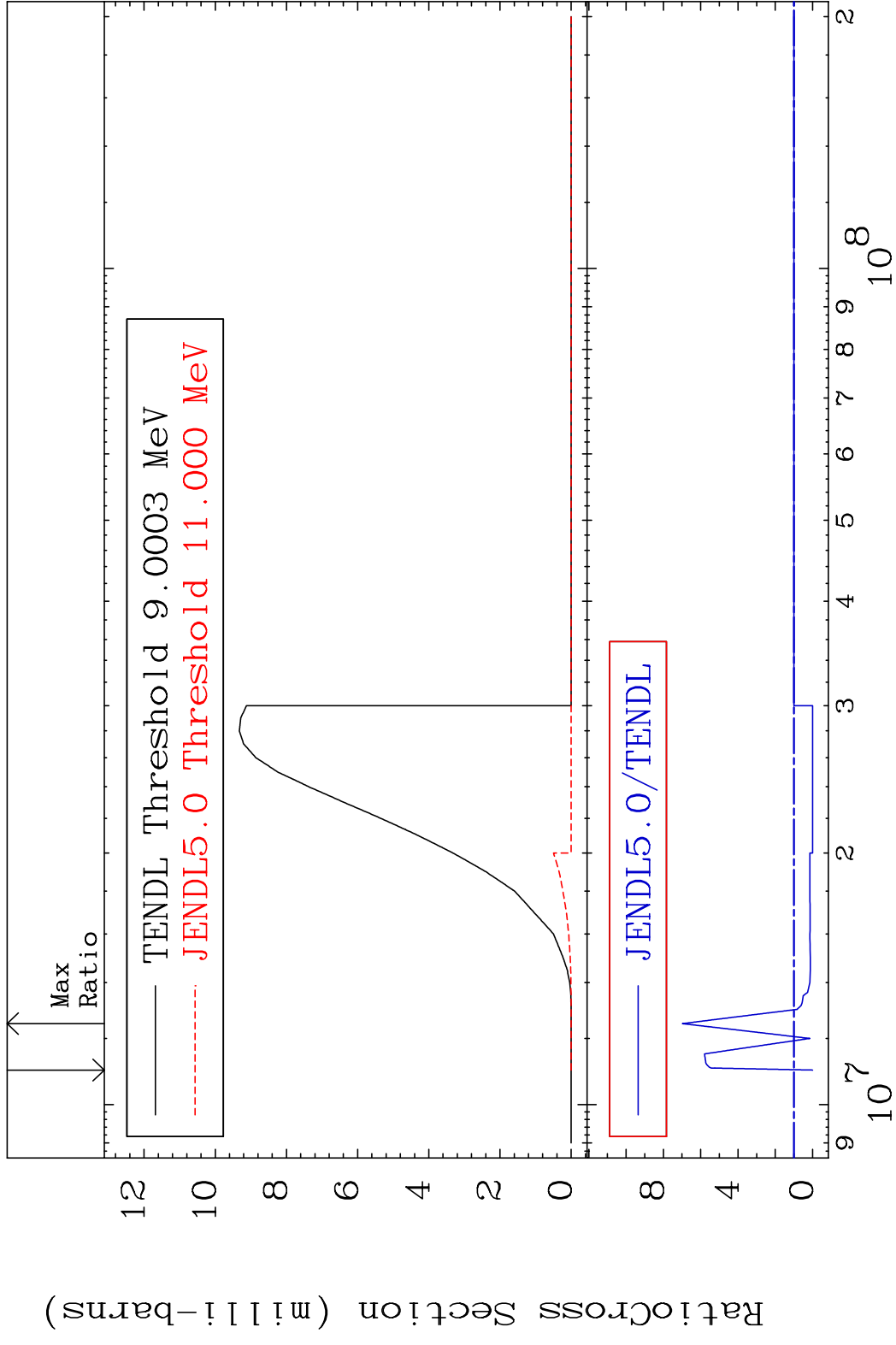


36 Incident Energy (eV) 36-Kr-83

MAT 3640 (n,d) 36-Kr-83  
 Cross Section -100.0 To 666.3 %



MAT 3640 (n, t) 36-Kr-83  
 Cross Section -100.0 To 598.3 %



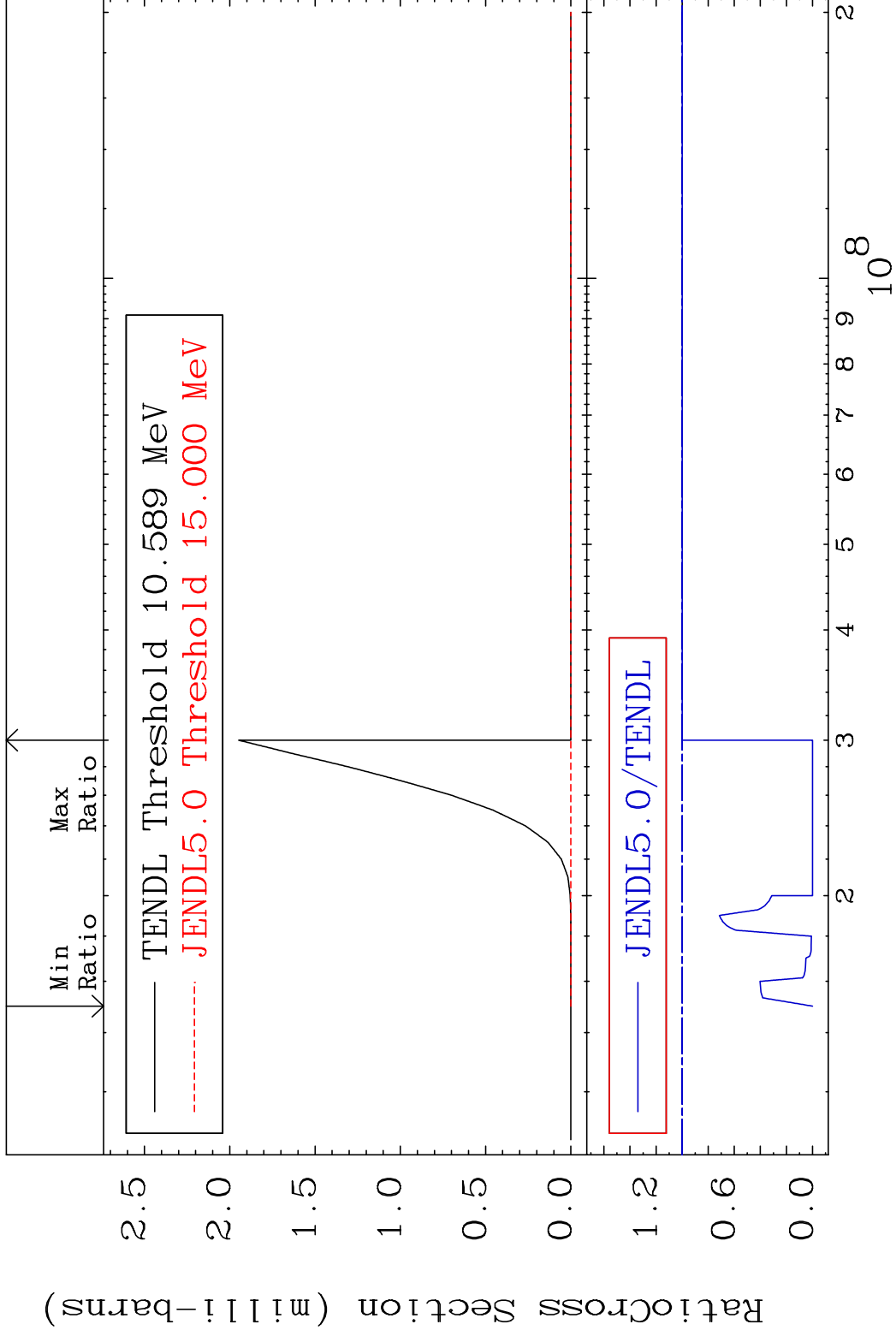
38 36-Kr-83

MAT 3640

(n, He-3)

36-Kr-83

Cross Section -100.0 To 0.000 %



39

Incident Energy (eV)

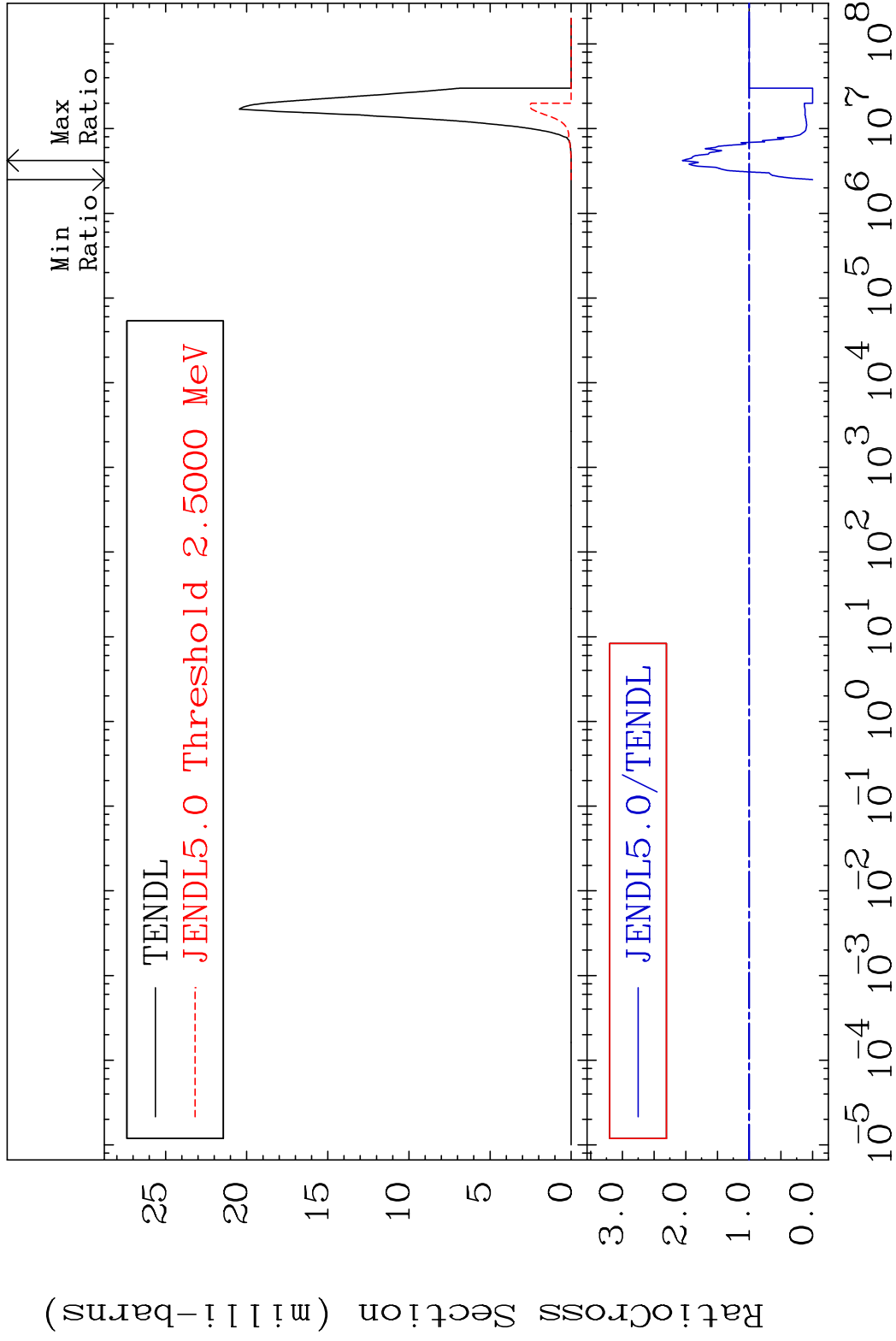
36-Kr-83

MAT 3640

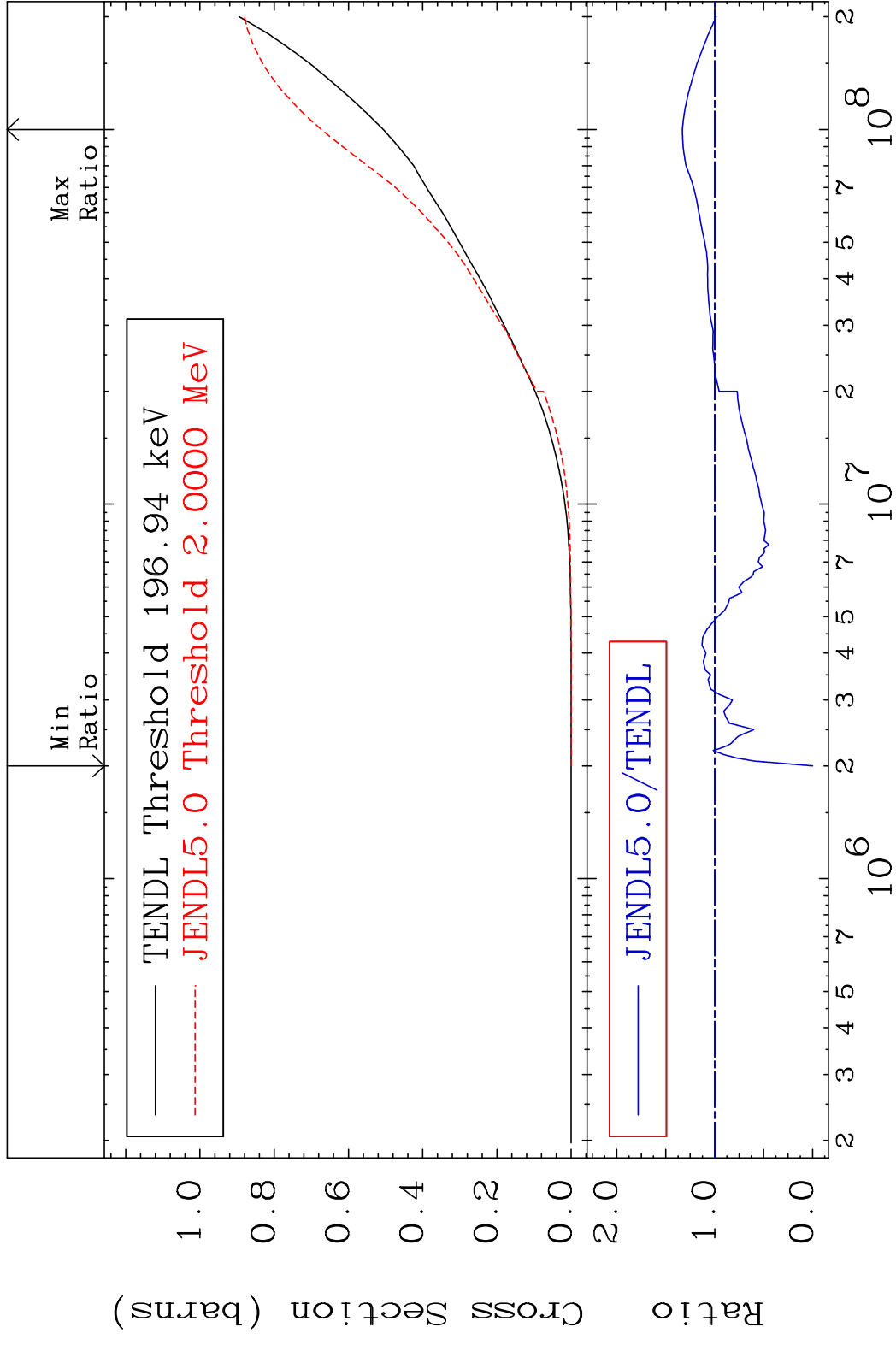
(n,  $\alpha$ )

36-Kr-83

Cross Section -100.0 To 105.3 %



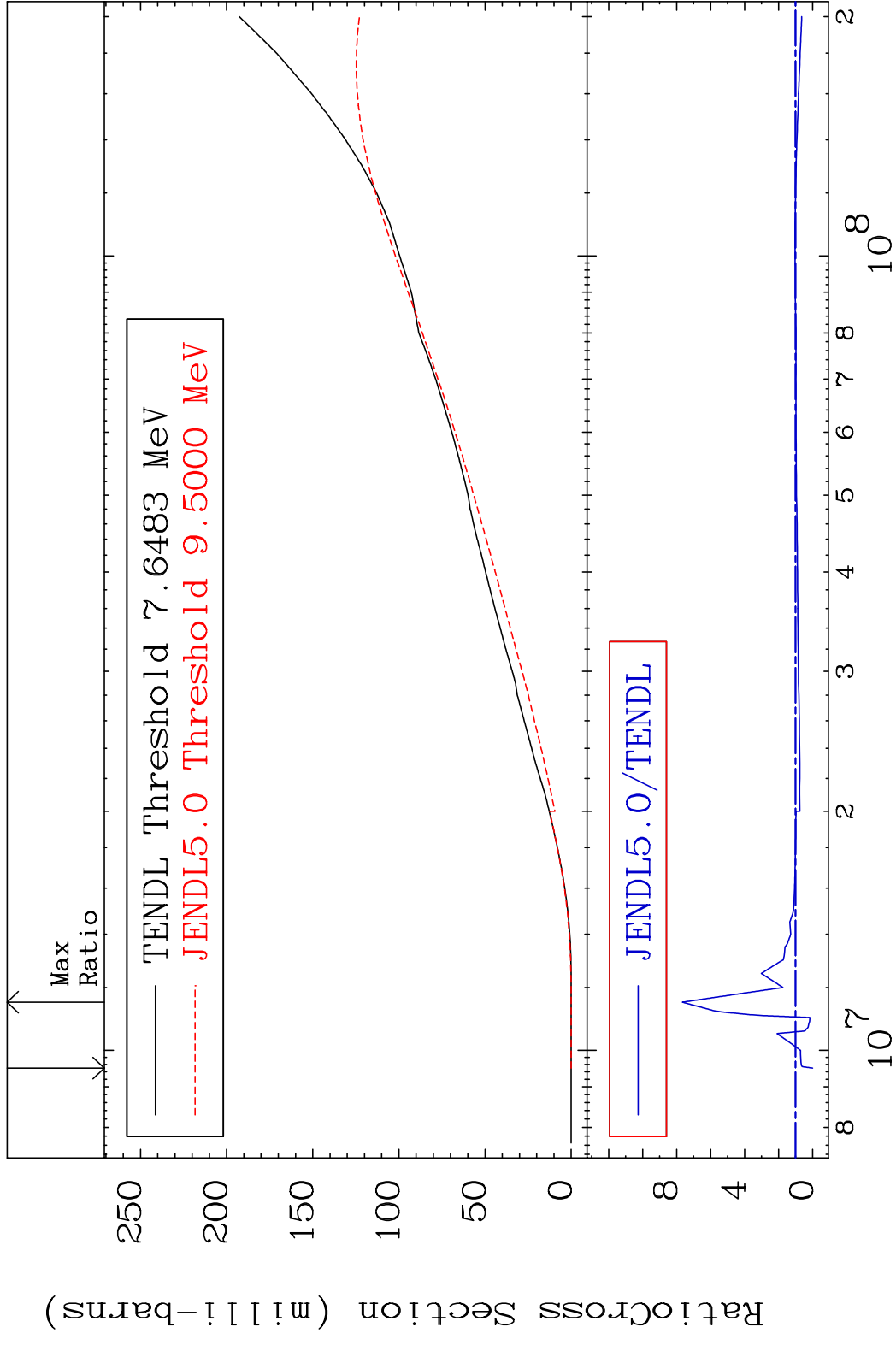
MAT 3640 Hydrogen Production 36-Kr-83  
 Cross Section -100.0 To 33.01 %



MAT 3640

Deuterium Production 36-Kr-83

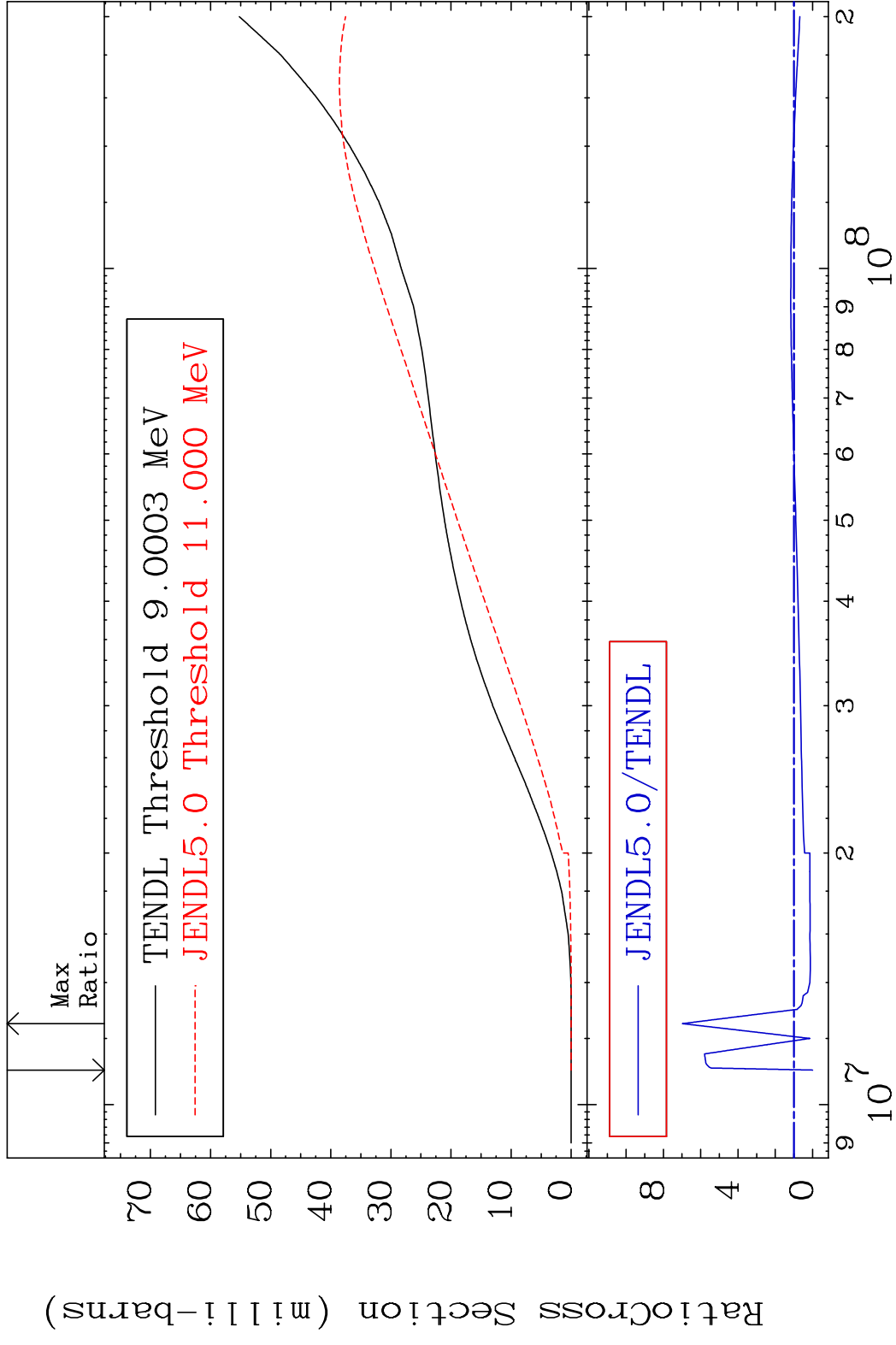
Cross Section -100.0 To 666.3 %



42

Incident Energy (eV) 36-Kr-83

MAT 3640 Tritium Production 36-Kr-83  
 Cross Section -100.0 To 598.3 %



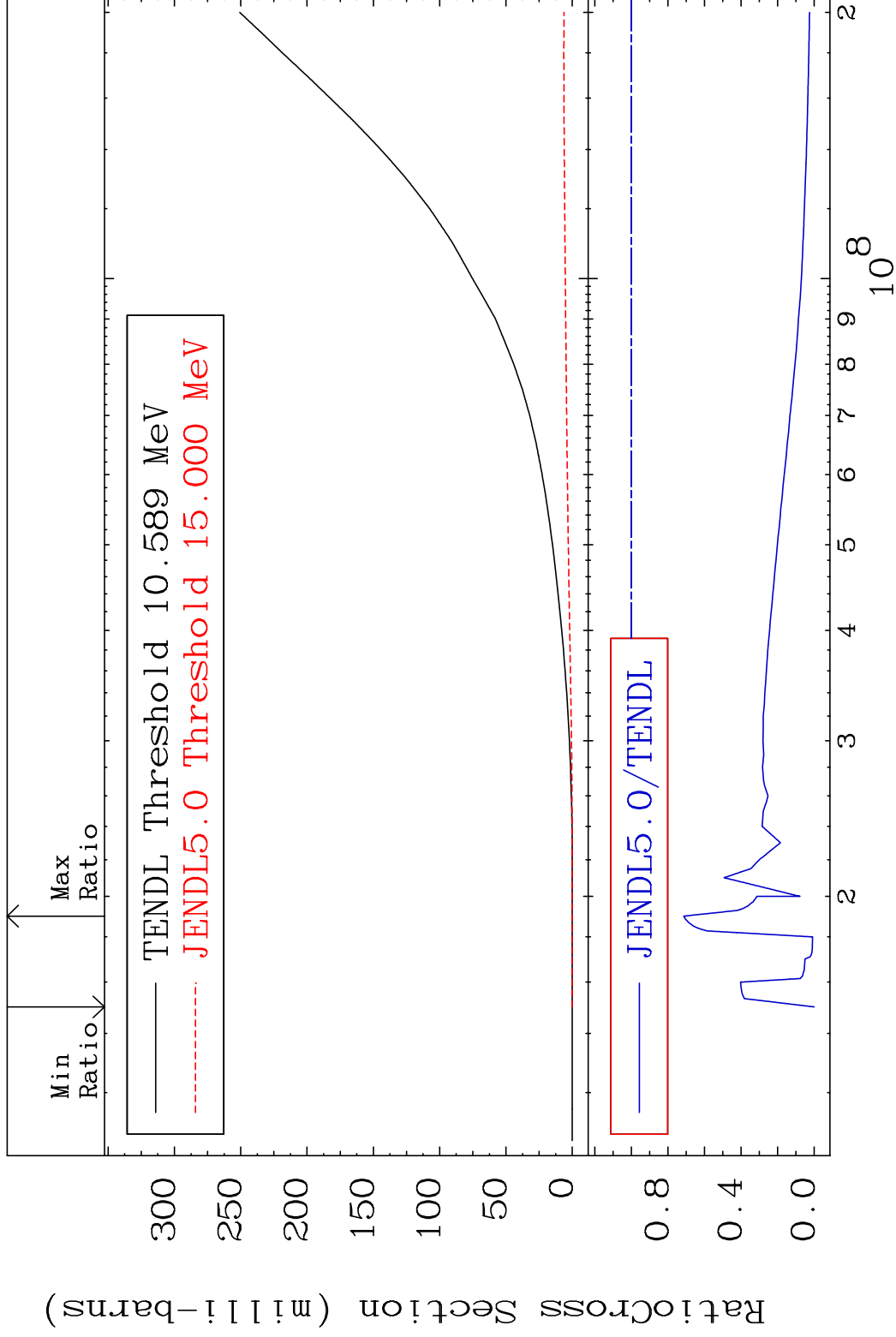
43 36-Kr-83

MAT 3640

He-3 Production

36-Kr-83

Cross Section -100.0 To -28.59%



44

Incident Energy (eV)

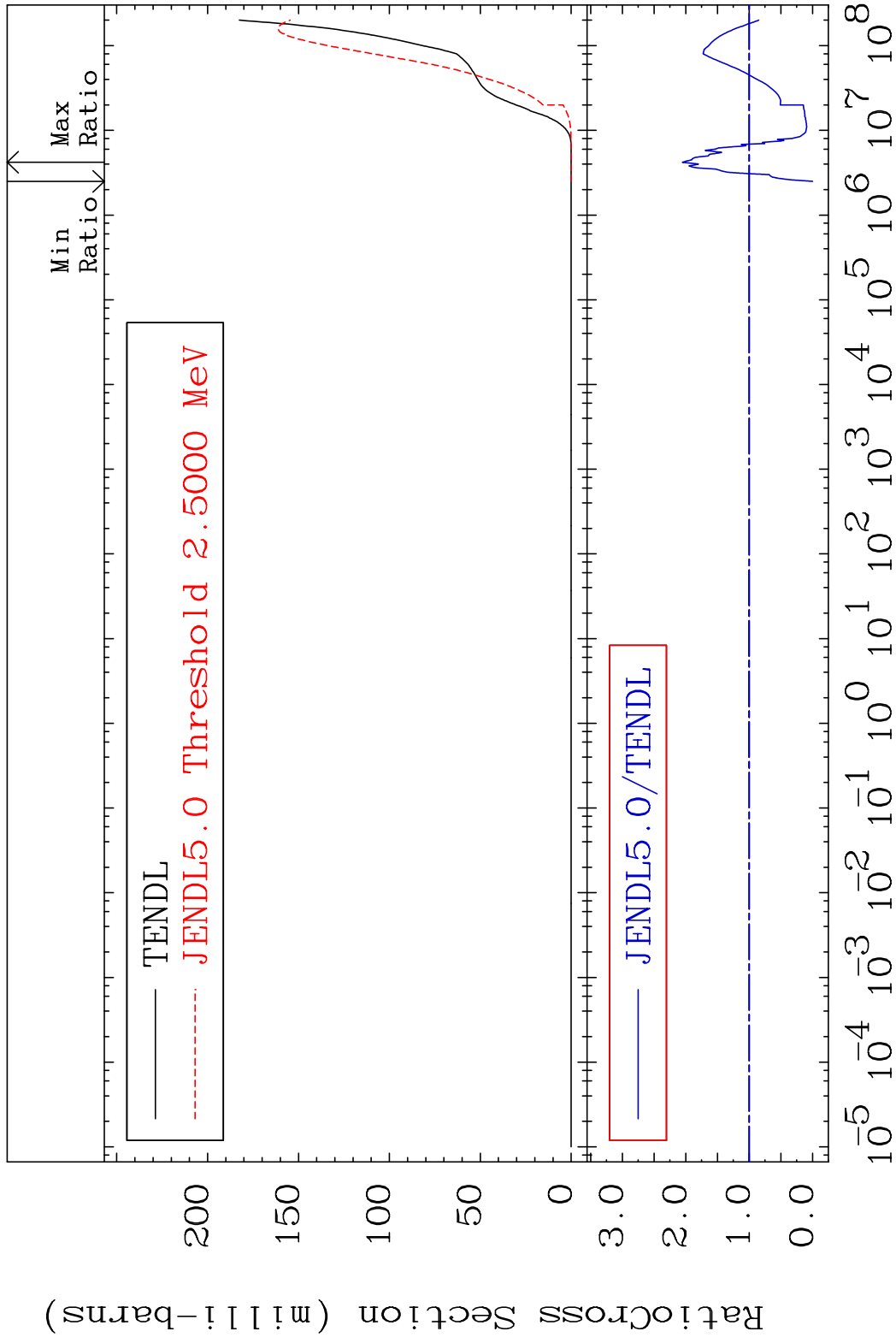
36-Kr-83

MAT 3640

He-4 Production

36-Kr-83

Cross Section -100.0 To 105.3 %

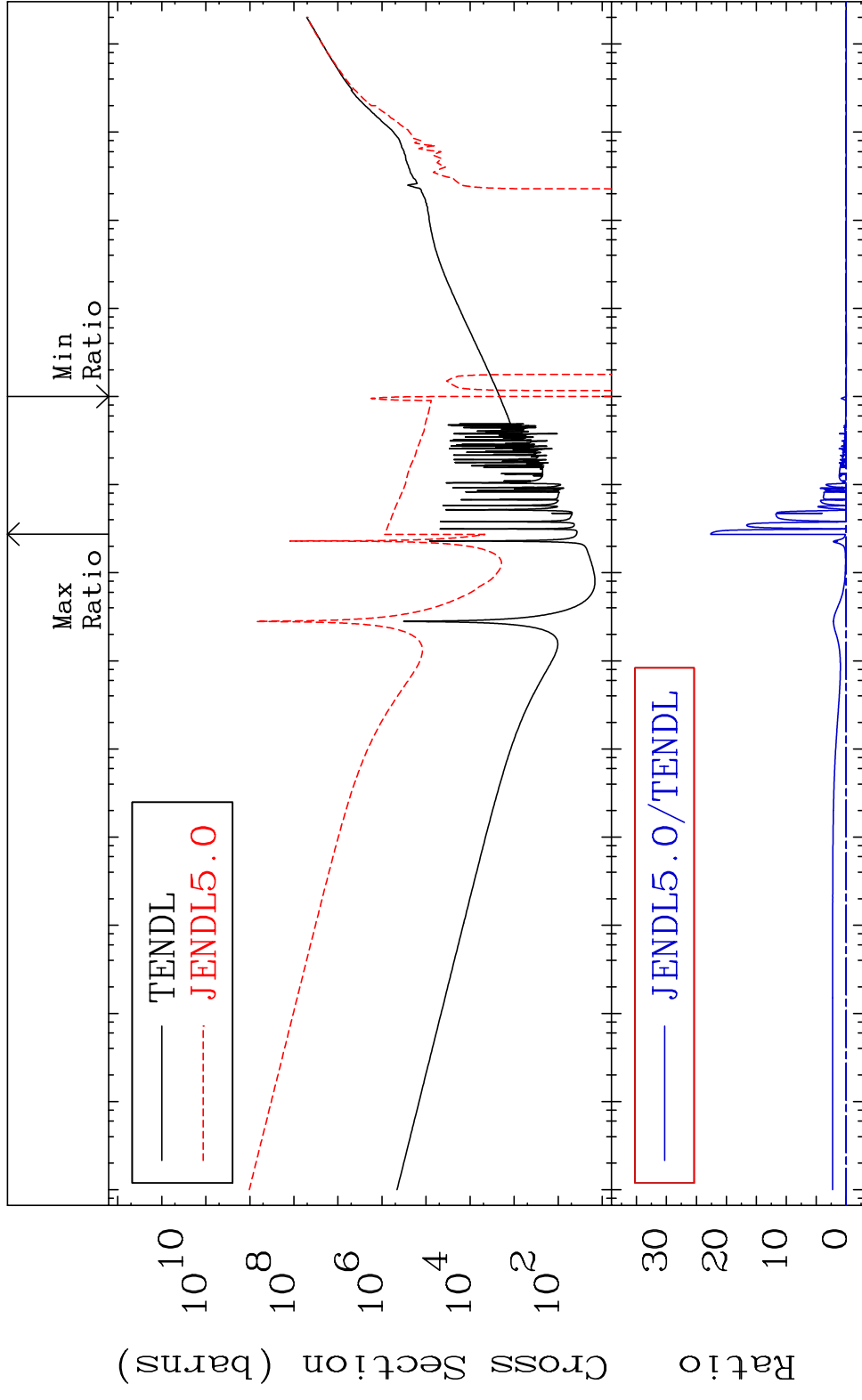


45

Incident Energy (eV)

36-Kr-83

MAT 3640 Kerma total (eV-barns) 36-Kr-83  
 Cross Section -1853. To 9999. %



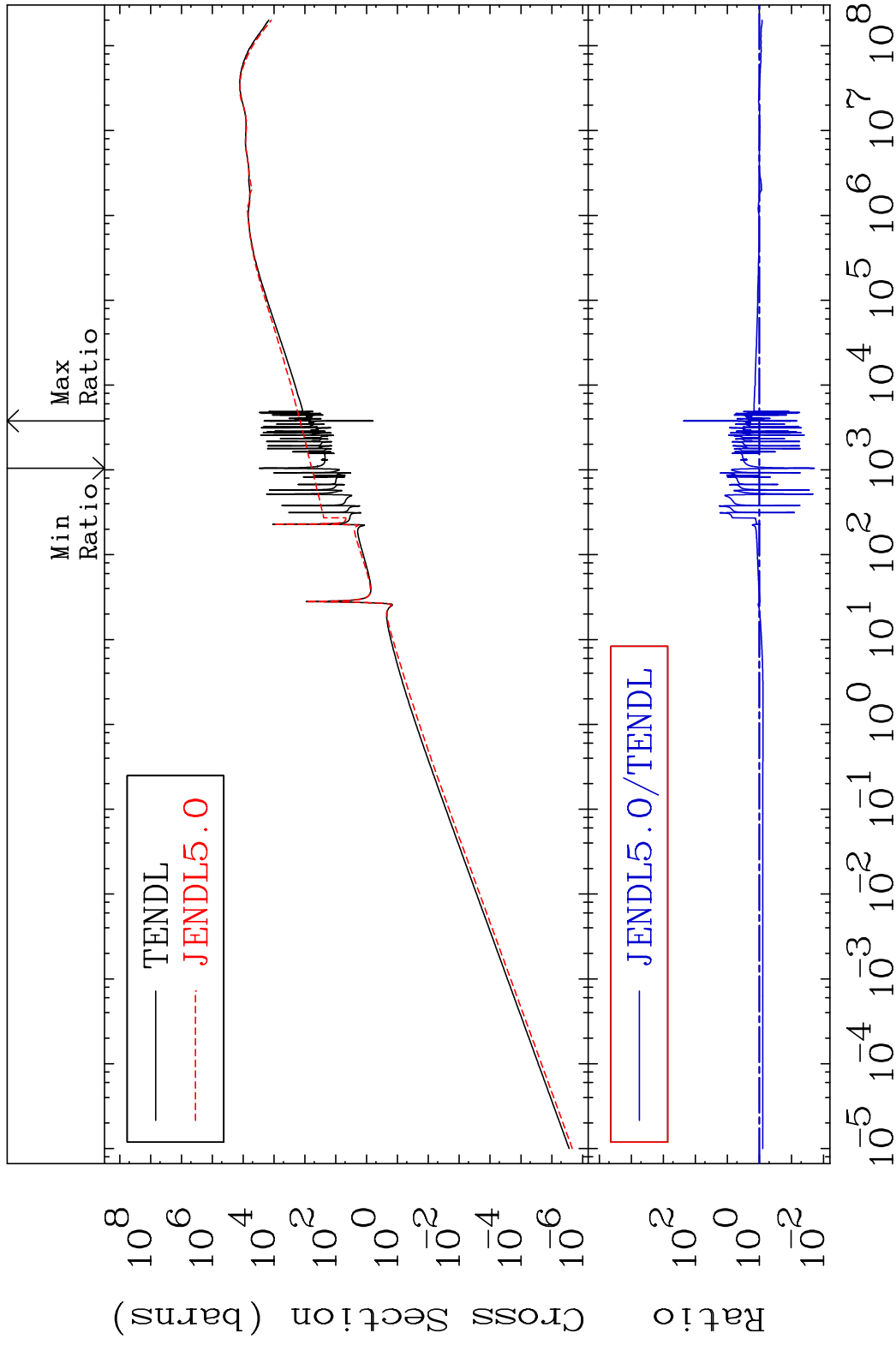
46 Incident Energy (eV) 36-Kr-83

MAT 3640

Kerma elastic

36-Kr-83

Cross Section -98.04 To 9999. %

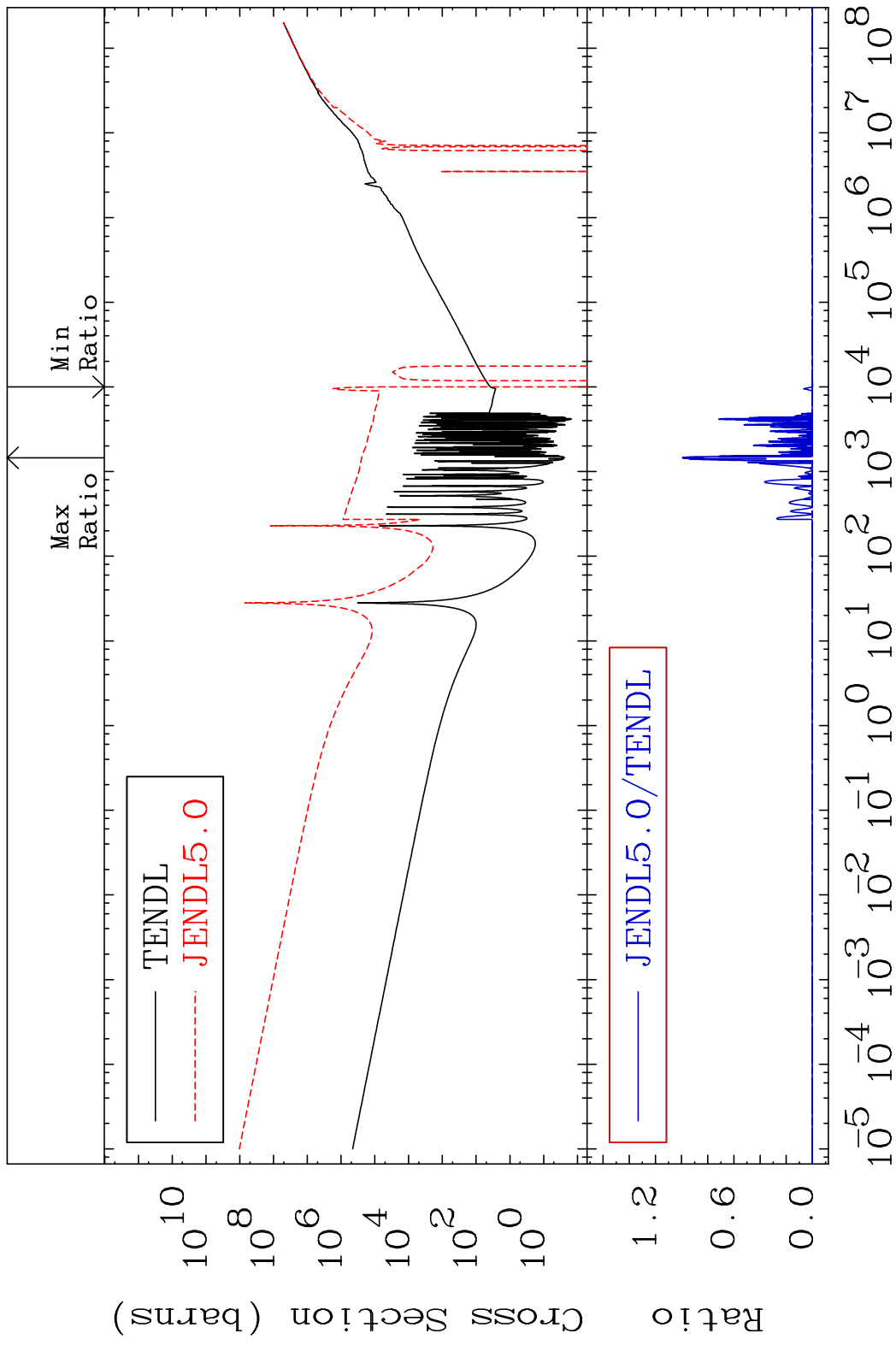


47

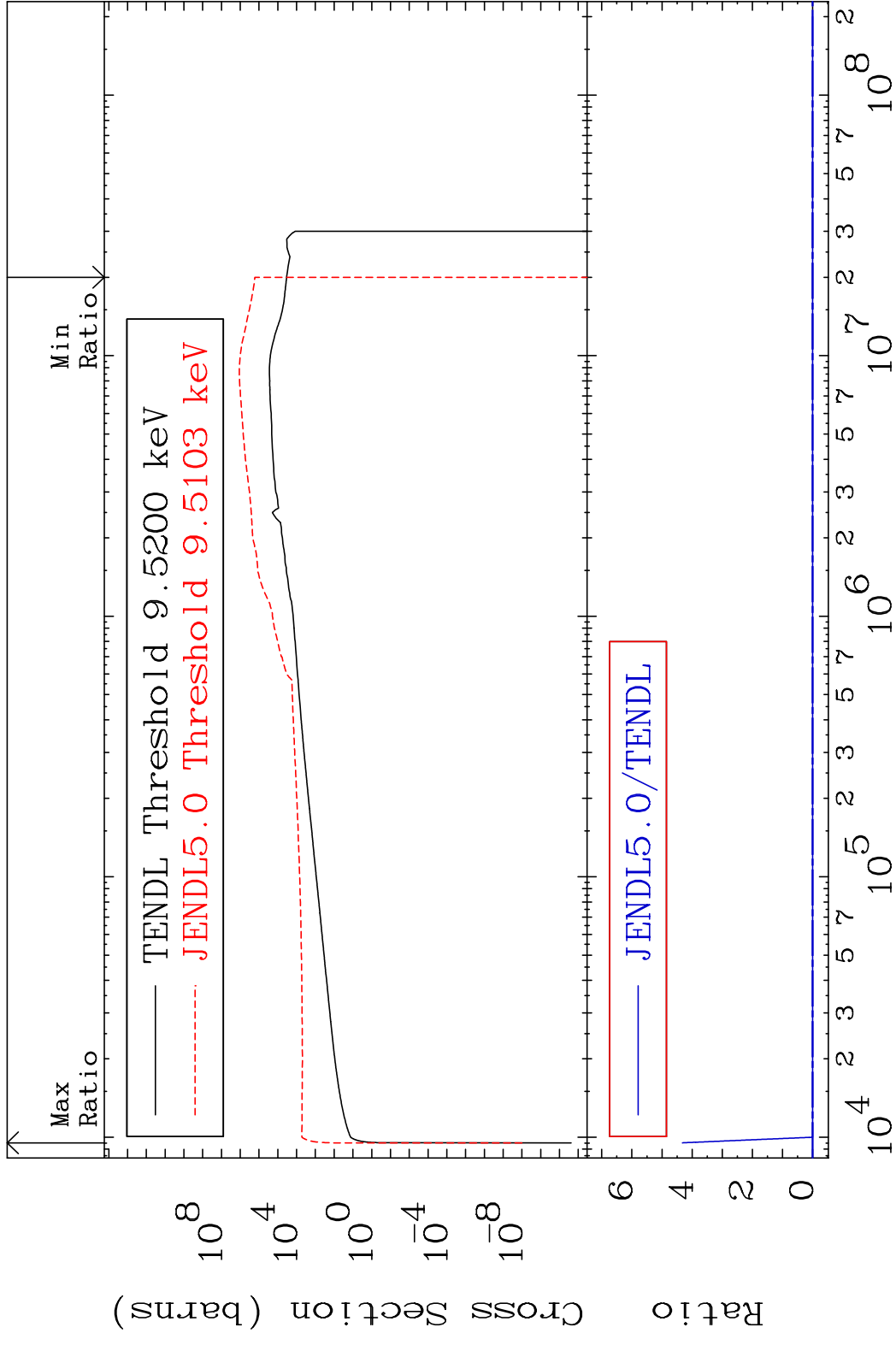
Incident Energy (eV)

36-Kr-83

MAT 3640 Kerma non-elastic (all but mt2) 36-Kr-83  
 Cross Section -9999. To 9999. %

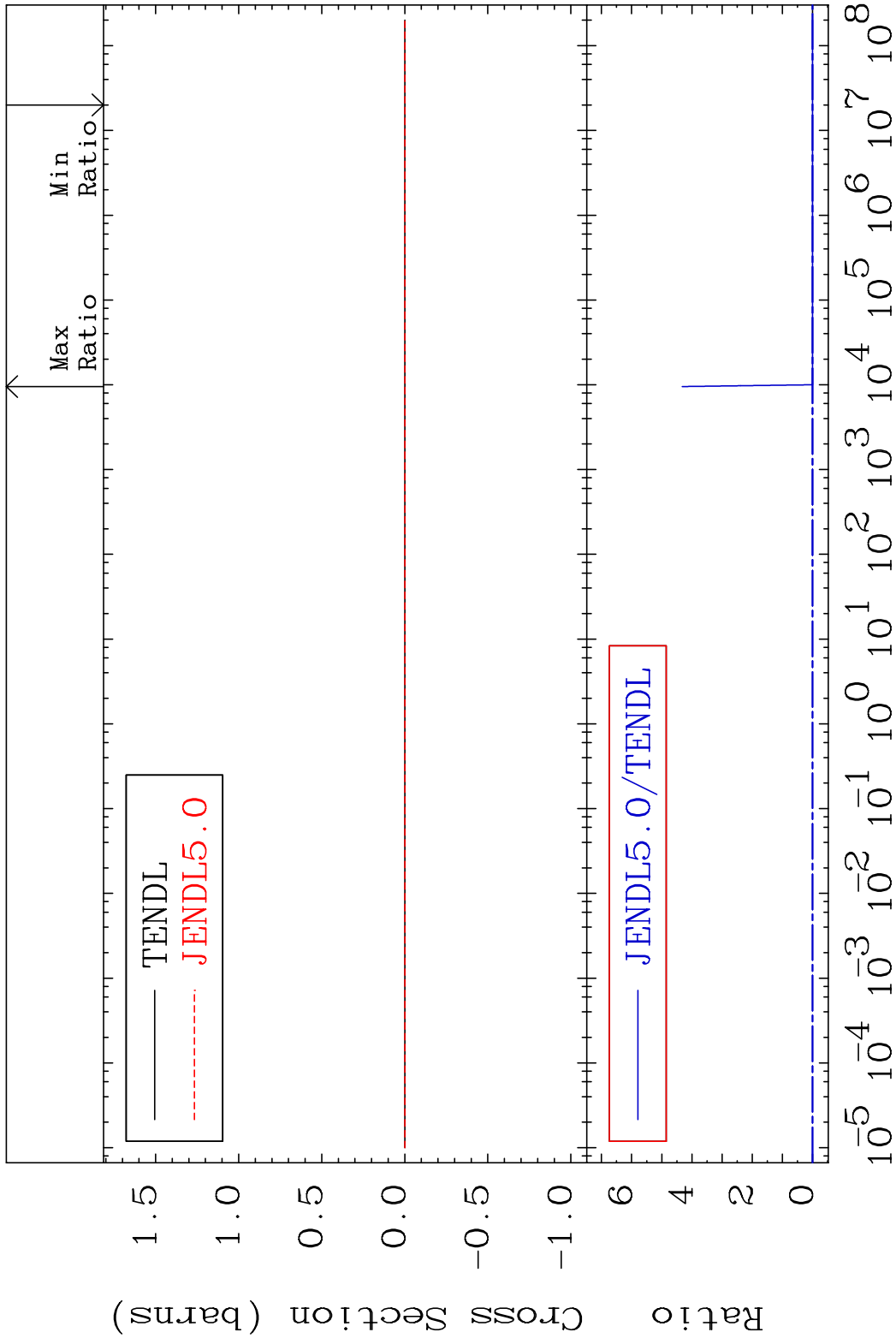


MAT 3640 Kerma inelastic (mt51-91) 36-Kr-83  
 Cross Section -100.0 To 9999. %

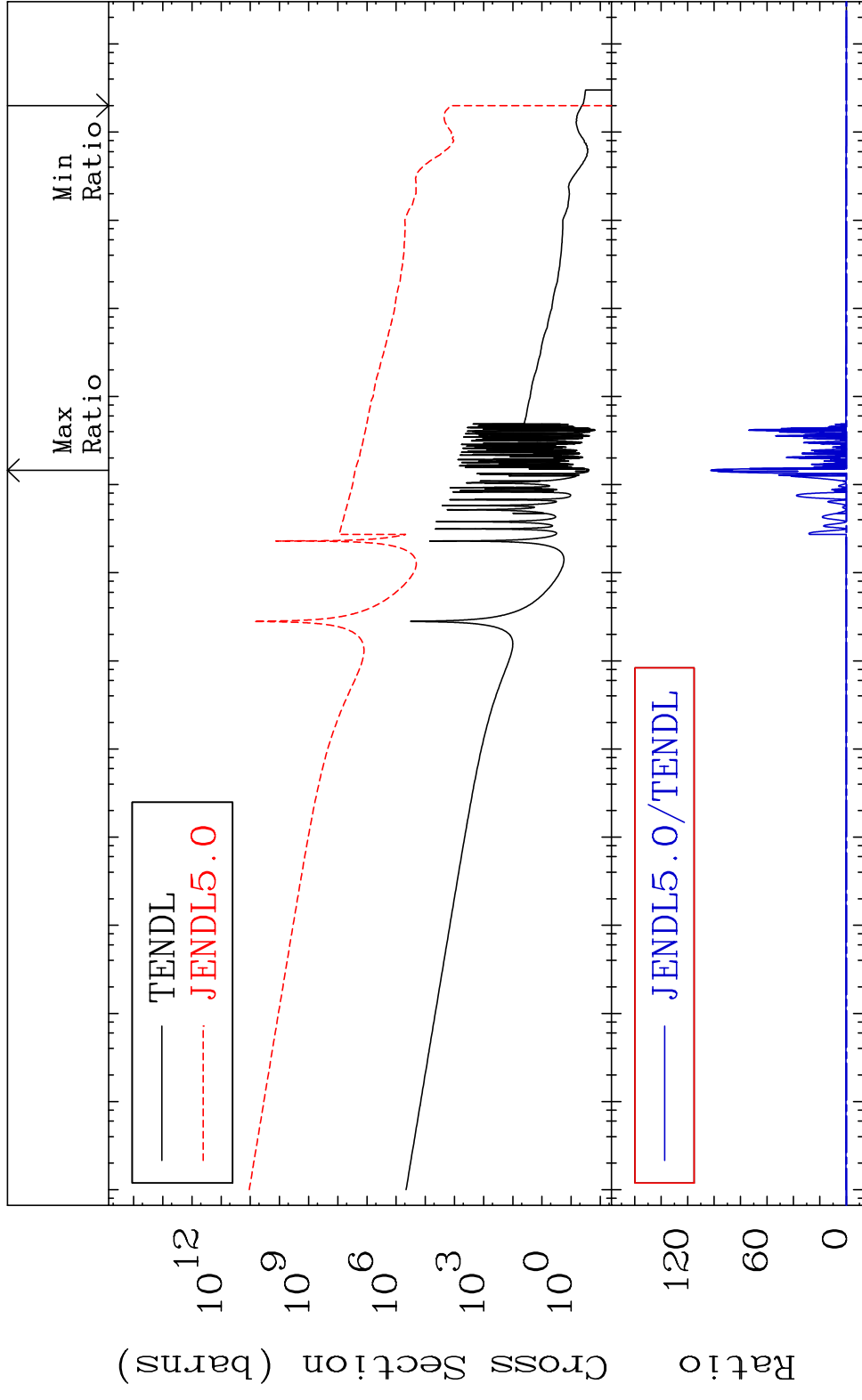


49 Incident Energy (eV) 36-Kr-83

MAT 3640 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-83  
 Cross Section -100.0 To 9999. %

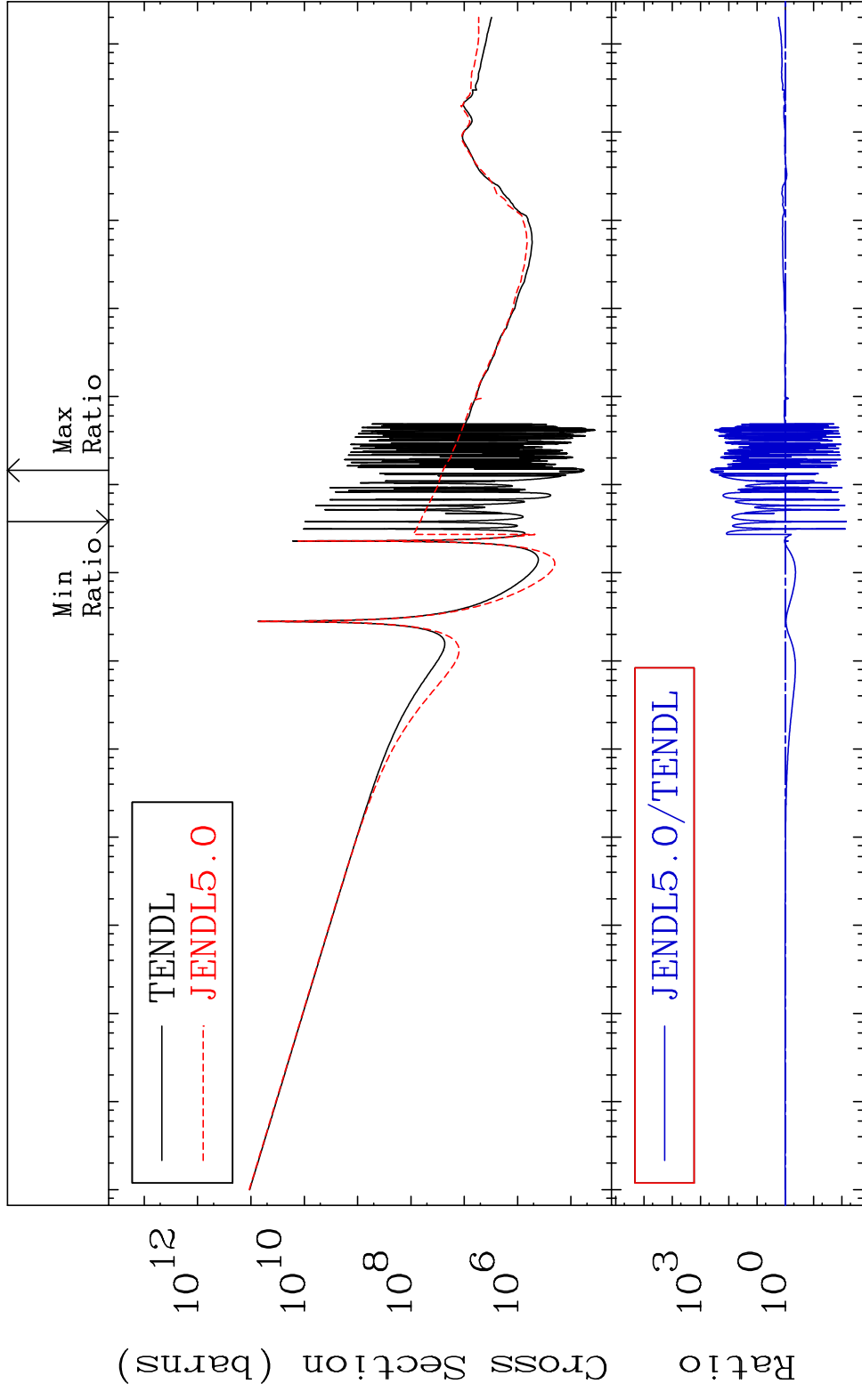


MAT 3640 Kerma capture (mt102) 36-Kr-83  
 Cross Section -100.0 To 9999. %

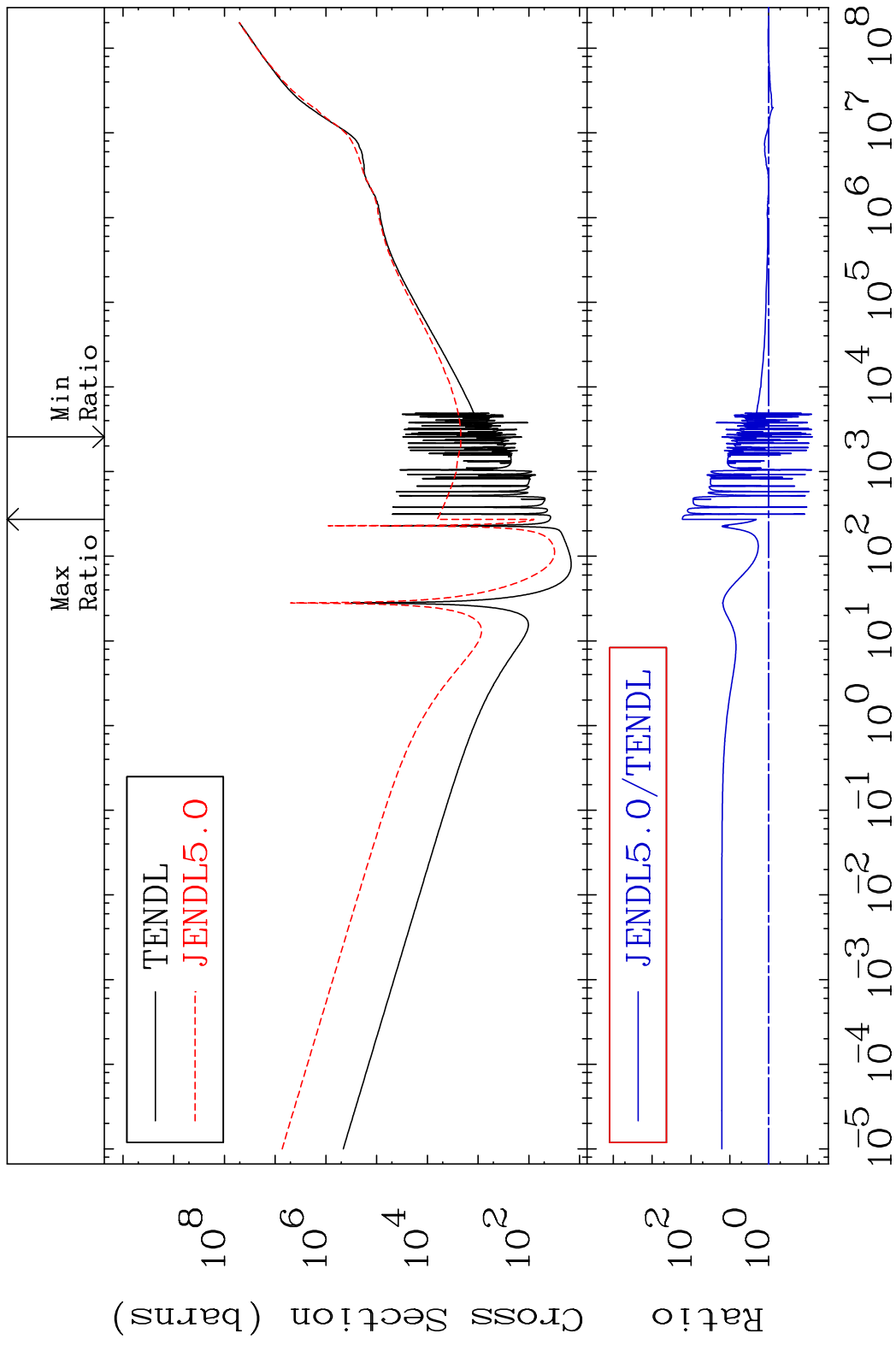


51 Incident Energy (eV) 36-Kr-83

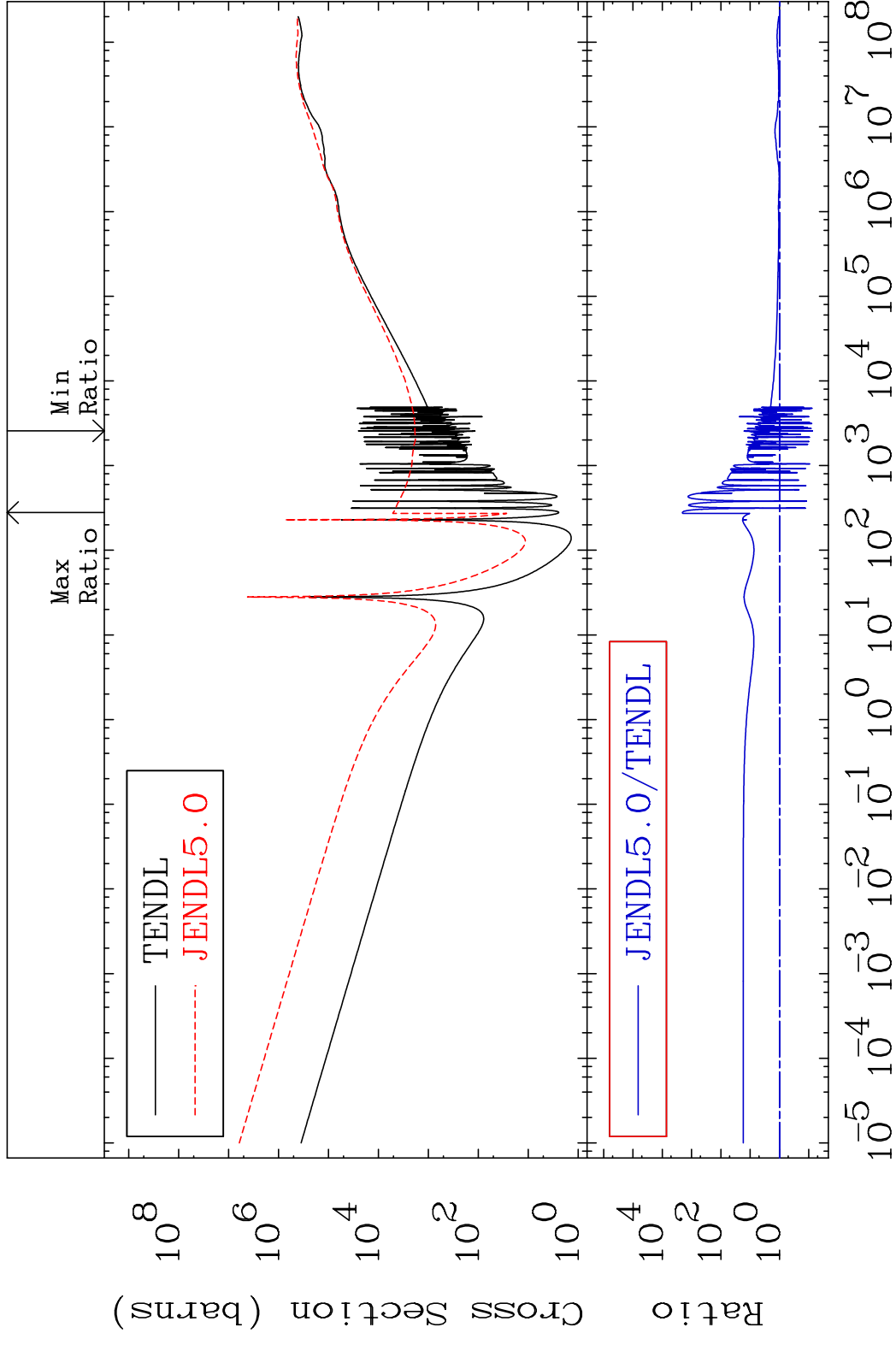
MAT 3640 Total photon (eV-barns) 36-Kr-83  
 Cross Section -99.30 To 9999. %



MAT 3640 Total kinematic kerma (high limit) 36-Kr-83  
Cross Section -92.65 To 9999. %



MAT 3640      Dpa total (eV-barns)      36-Kr-83  
 Cross Section      -92.60 To 9999. %

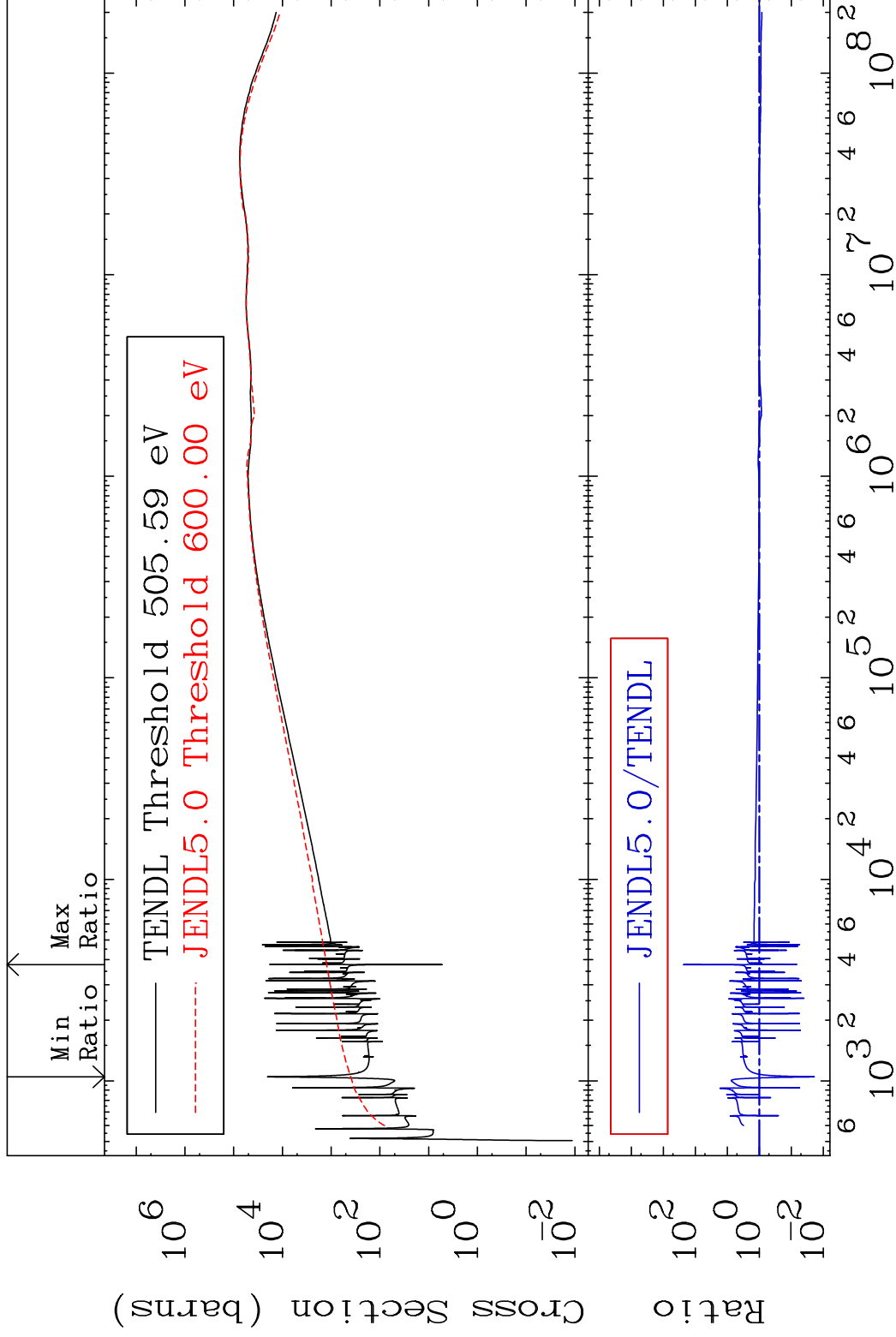


MAT 3640

Dpa elastic (mt2)

36-Kr-83

Cross Section -98.05 To 9999. %

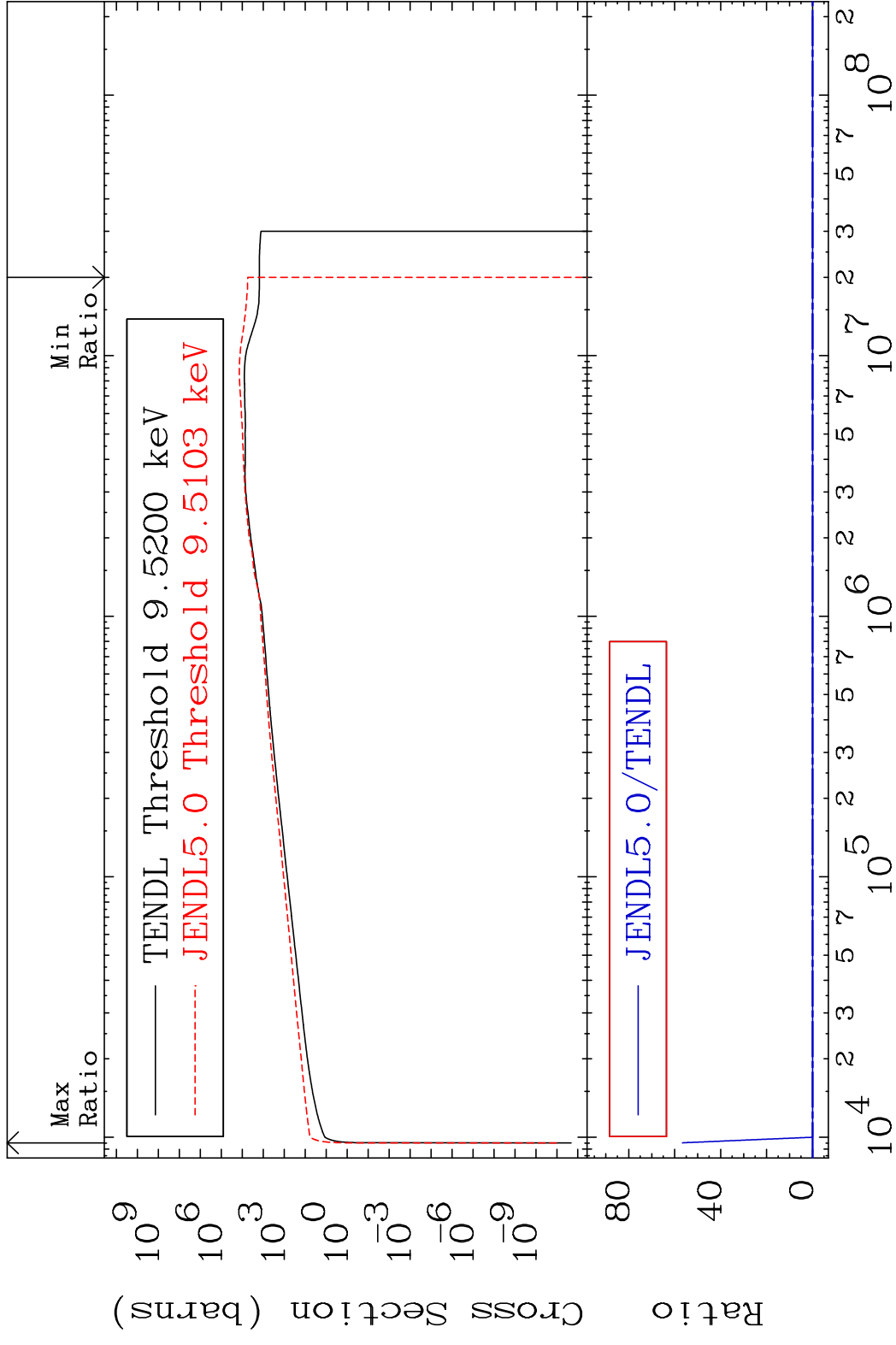


55

Incident Energy (eV)

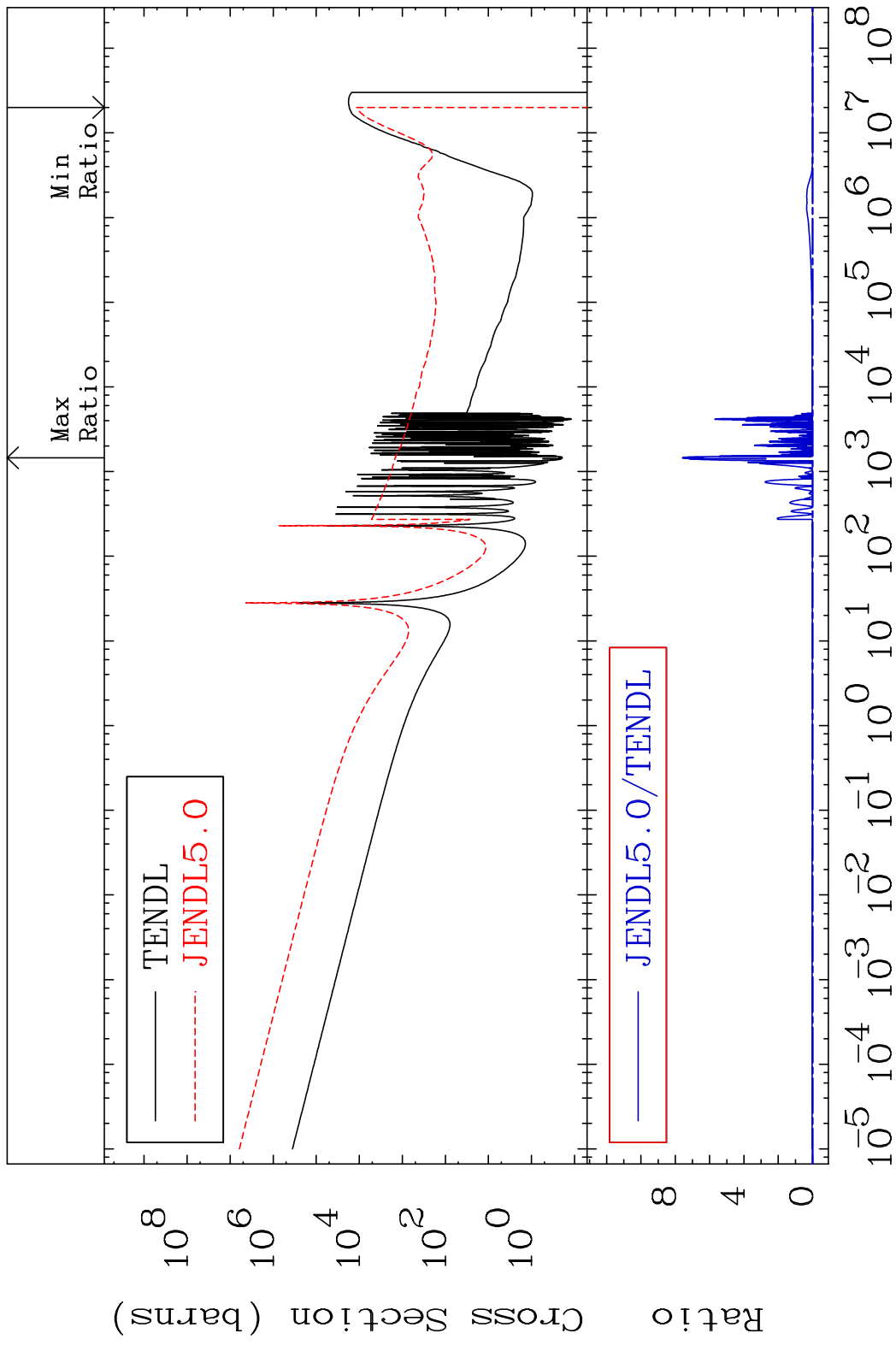
36-Kr-83

MAT 3640 Dpa inelastic (mt51-91) 36-Kr-83  
 Cross Section -100.0 To 9999. %

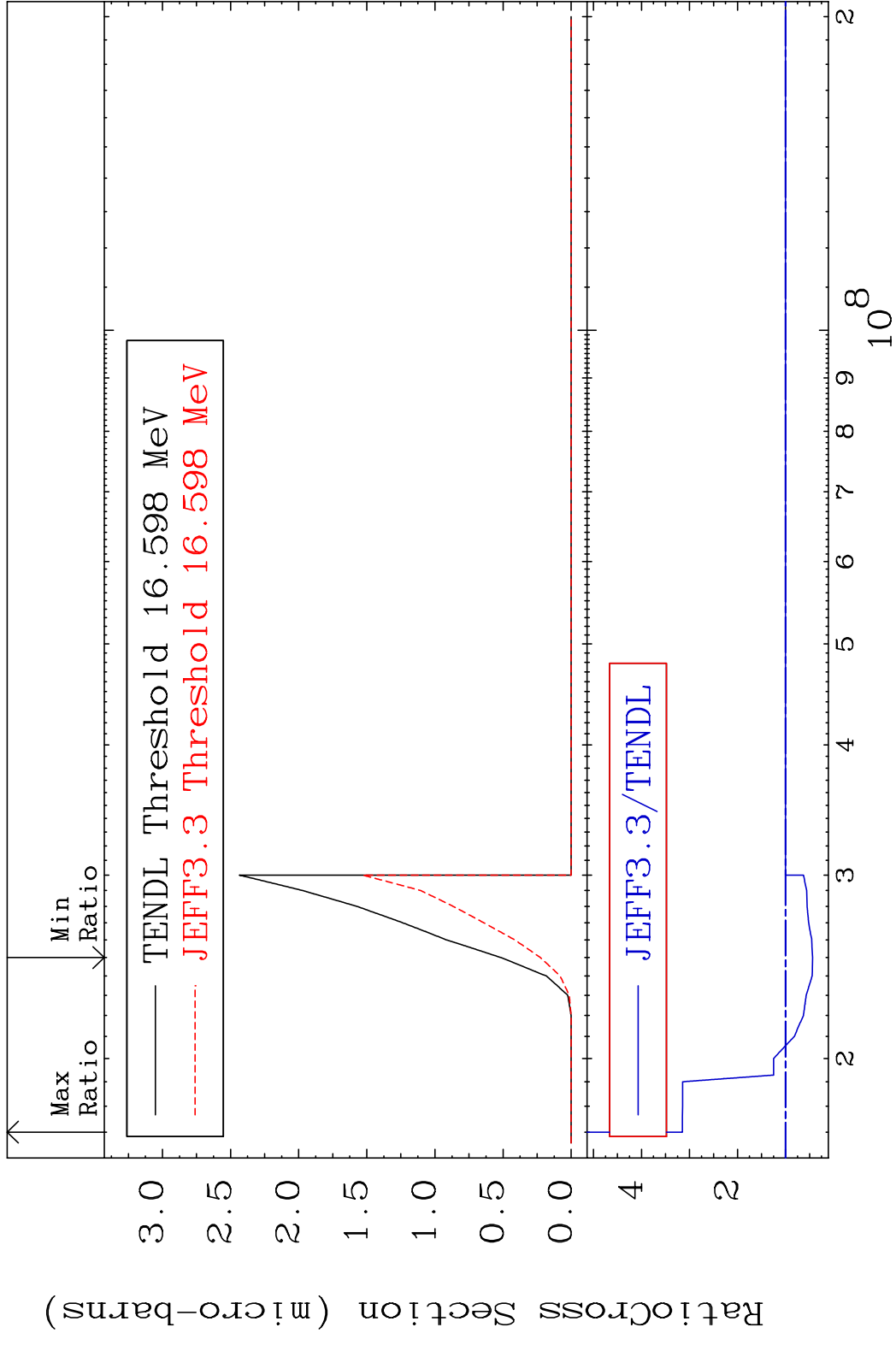


56 Incident Energy (eV) 36-Kr-83

MAT 3640 Dpa disappearance (mt102 -120) 36-Kr-83  
 Cross Section -100.0 To 9999. %



MAT 3640 (n,p) t 36-Kr-83  
 Cross Section -56.22 To 214.9 %

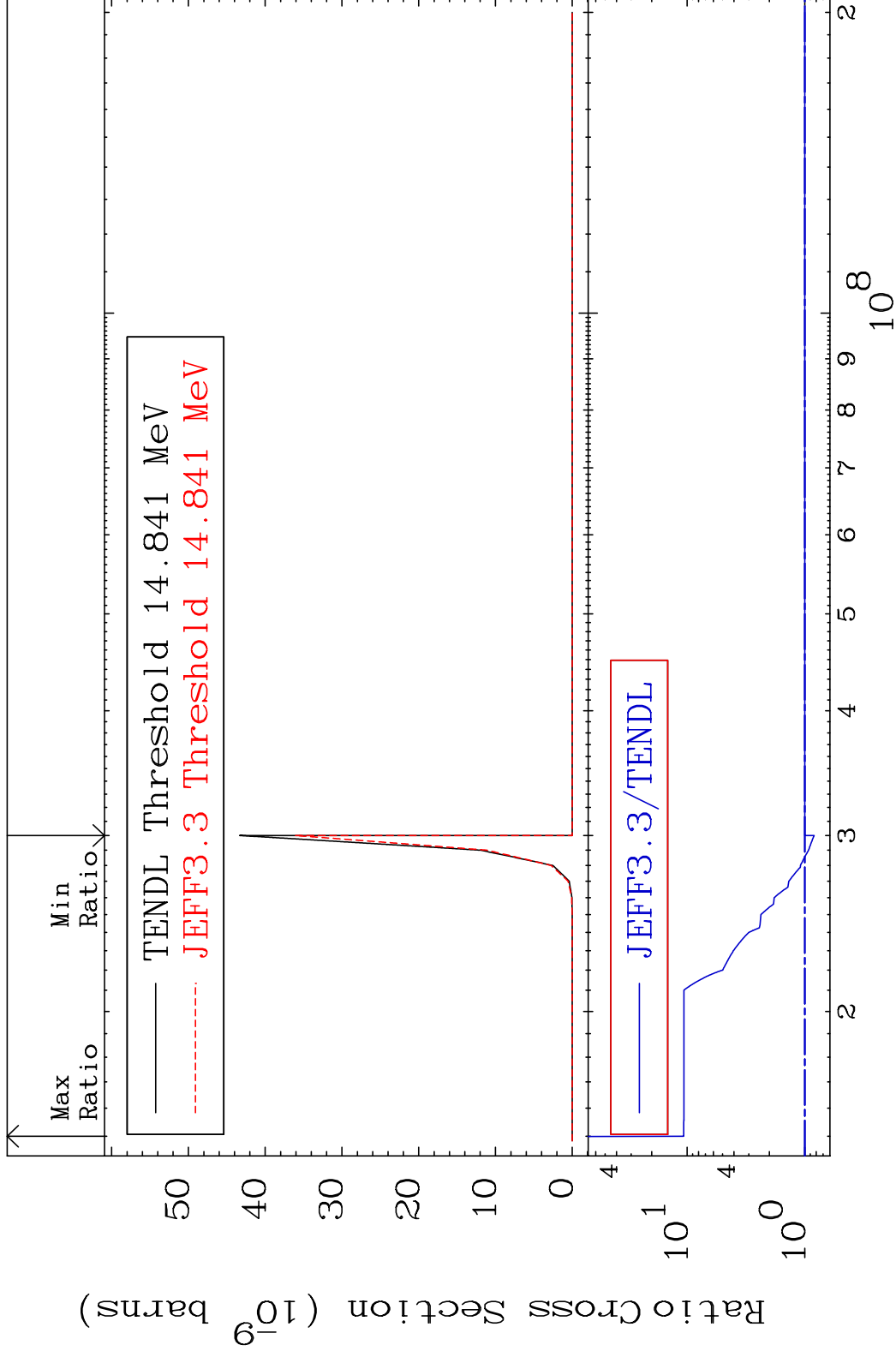


MAT 3640

(n,d)  $\alpha$

36-Kr-83

Cross Section -16.66 To 972.1 %



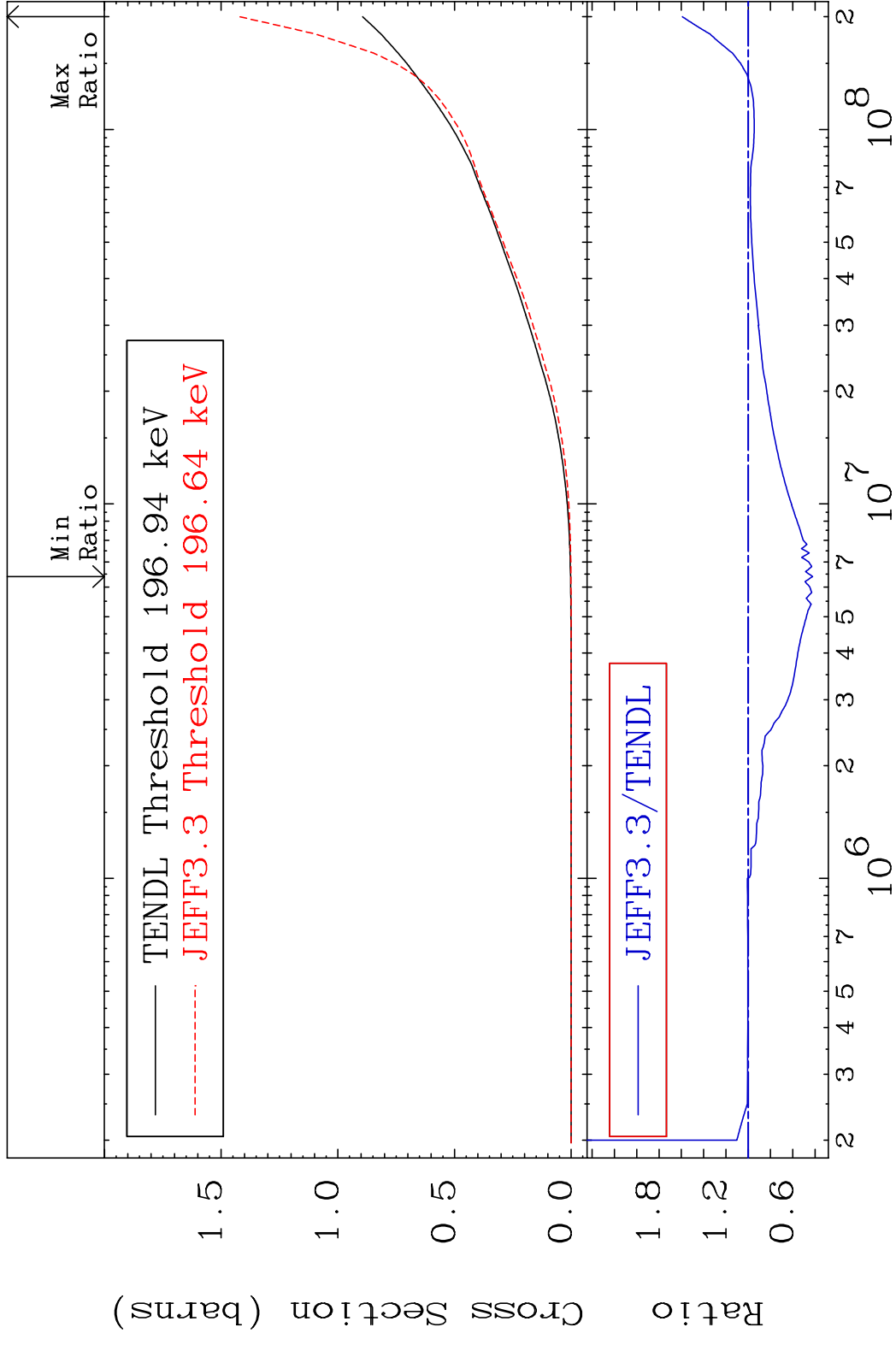
59

Incident Energy (eV)

36-Kr-83

MAT 3640

Hydrogen Production 36-Kr-83  
Cross Section -57.71 To 59.08 %

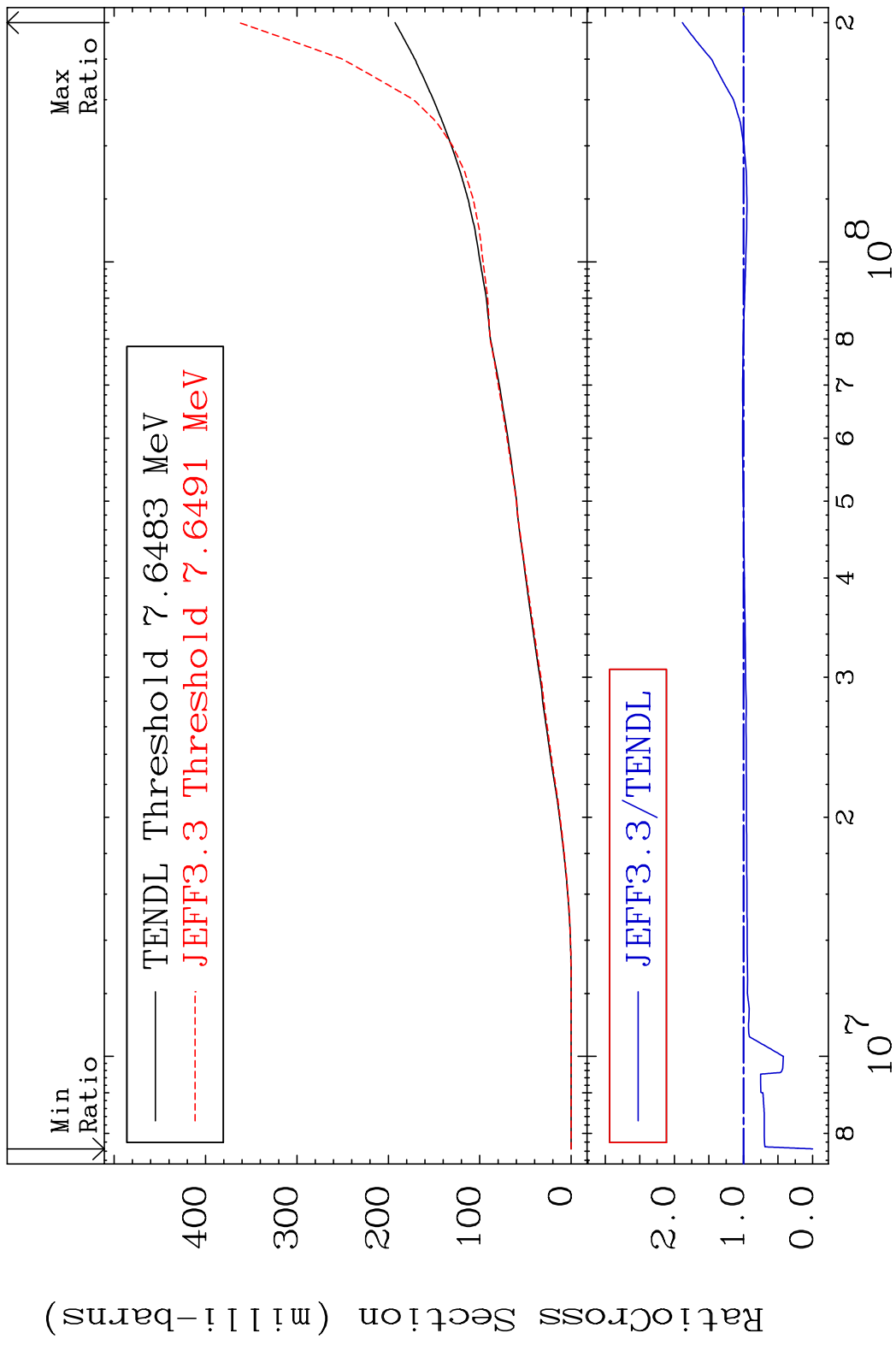


60

Incident Energy (eV)

36-Kr-83

MAT 3640 Deuterium Production 36-Kr-83  
 Cross Section -100.0 To 88.48 %

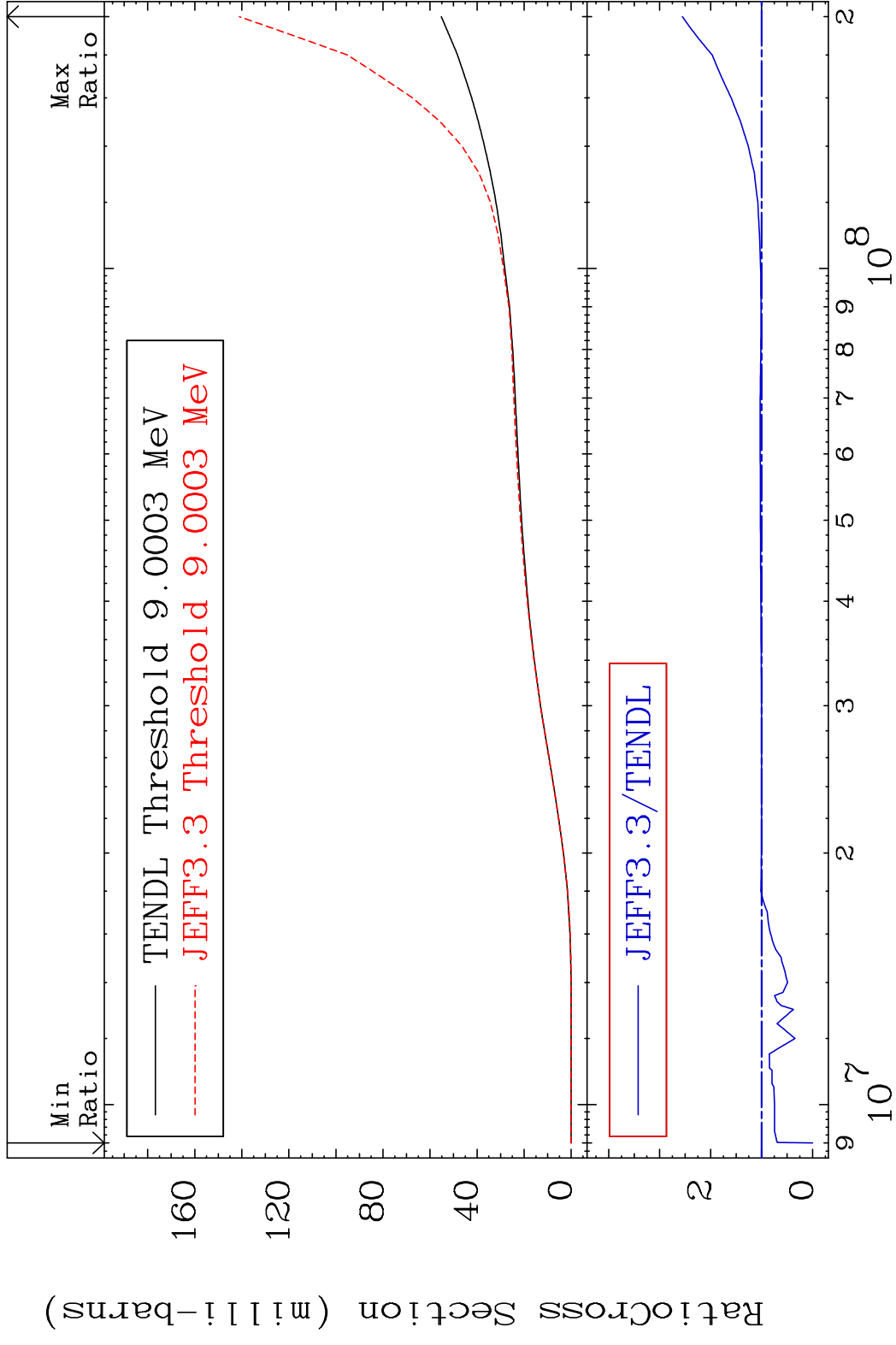


MAT 3640

Tritium Production

36-Kr-83

Cross Section -100.0 To 155.5 %



62

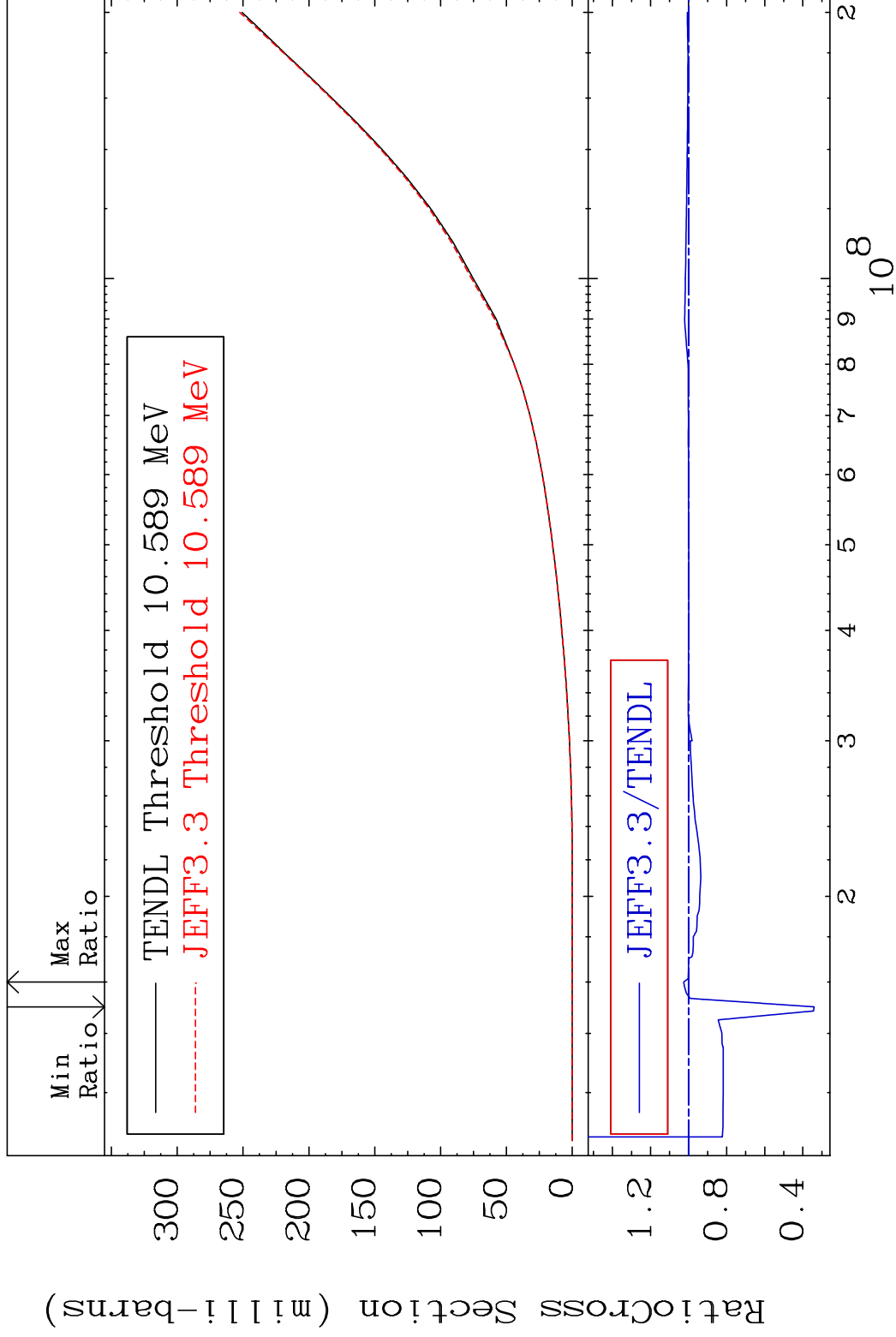
36-Kr-83

MAT 3640

He-3 Production

36-Kr-83

Cross Section -65.92 To 2.599 %



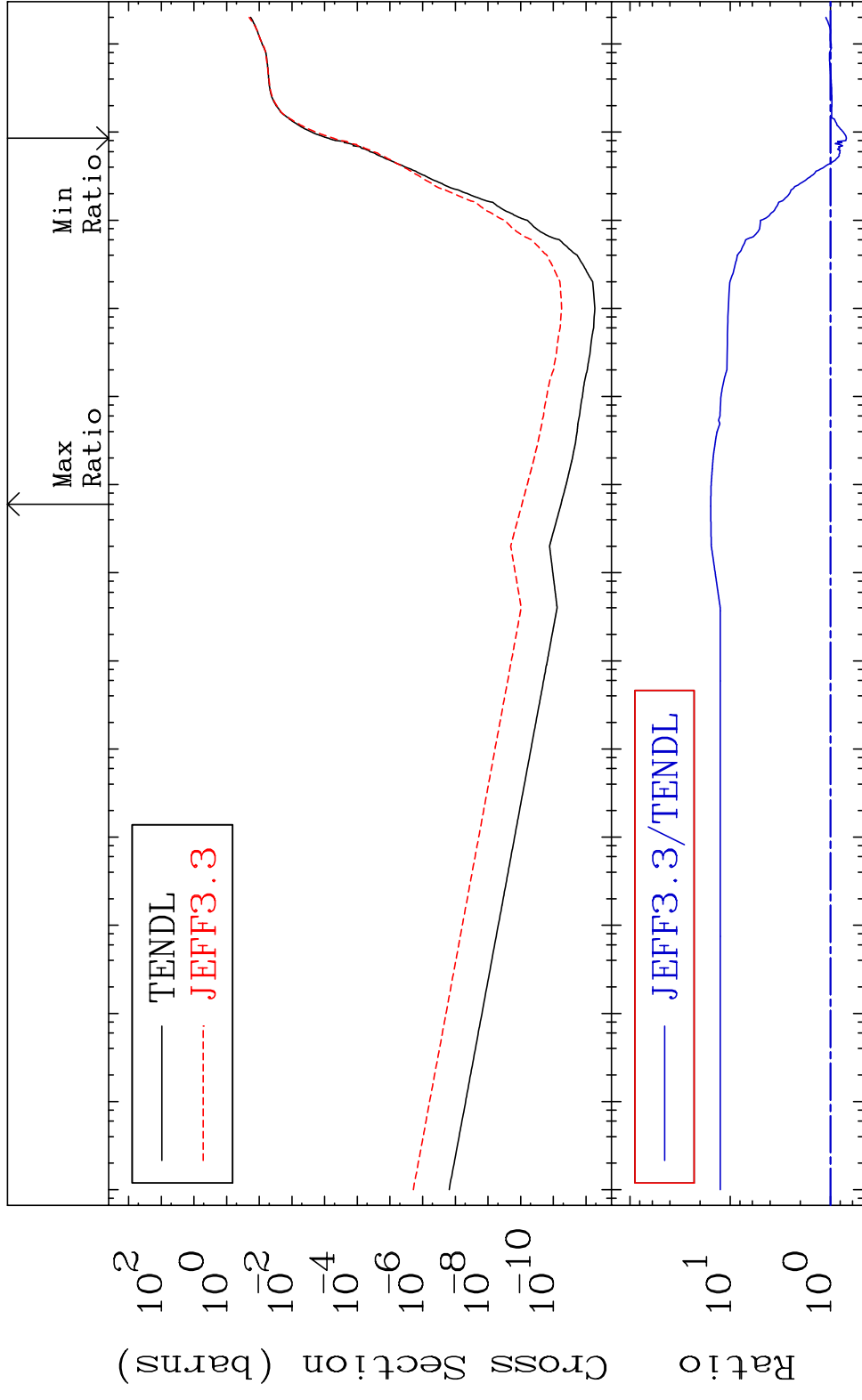
63

Incident Energy (eV)

36-Kr-83

MAT 3640

He-4 Production Cross Section -30.66 To 1465. %  
36-Kr-83

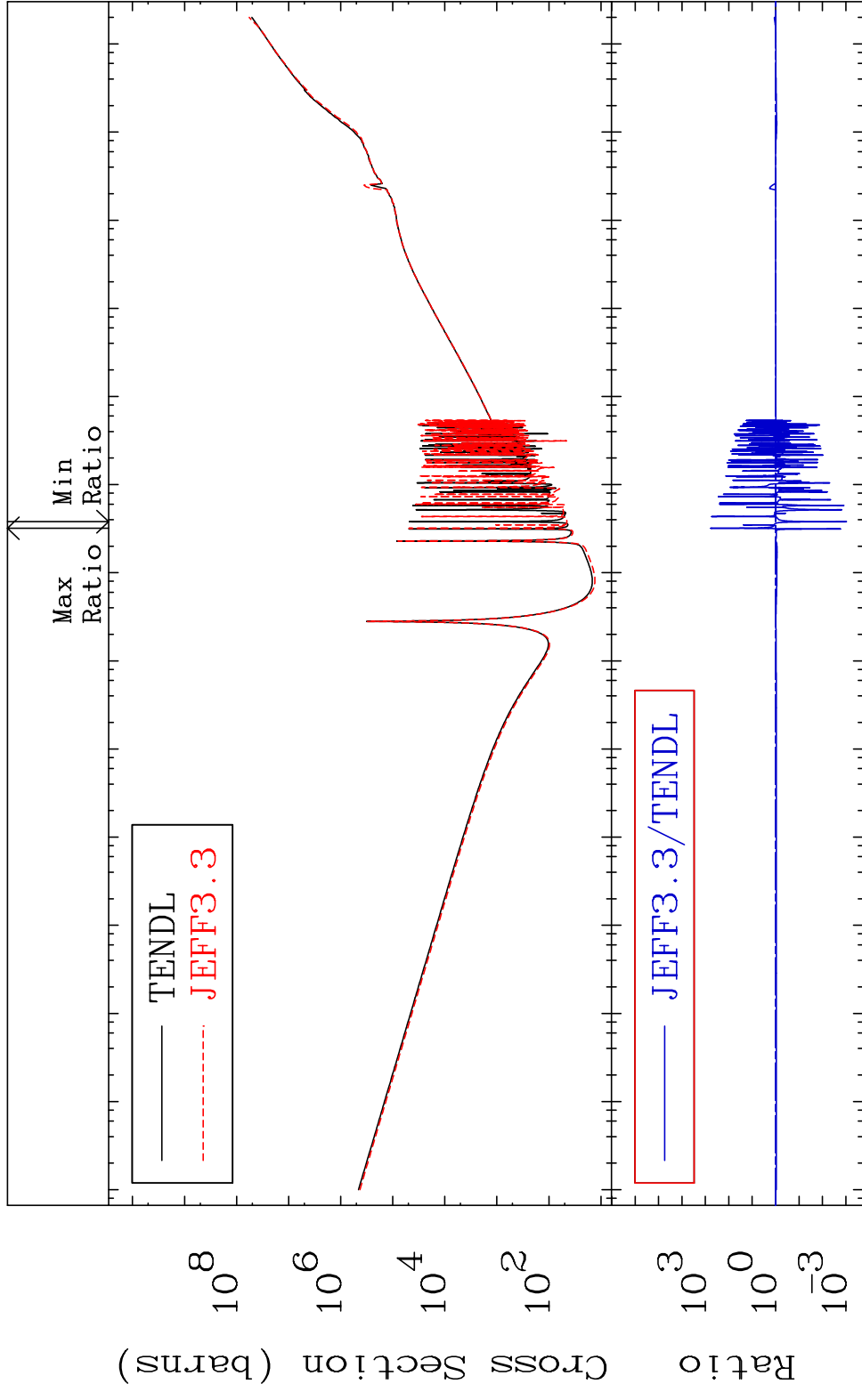


64

Incident Energy (eV)

36-Kr-83

MAT 3640 Kerma total (eV-barns) 36-Kr-83  
 Cross Section -99.91 To 9999. %

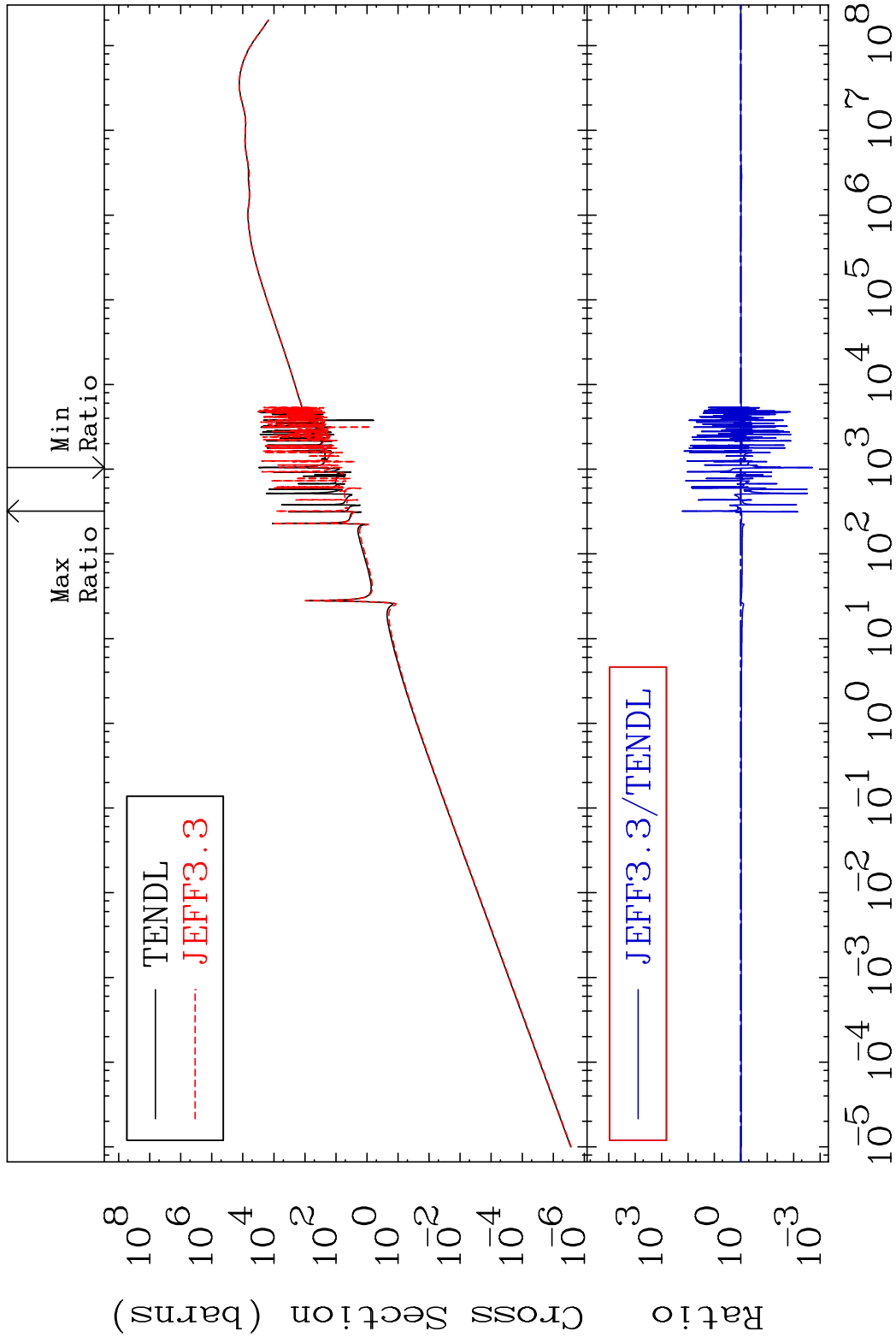


65 Incident Energy (eV) 36-Kr-83

MAT 3640

Kerma elastic Cross Section -99.81 To 9999. %

36-Kr-83

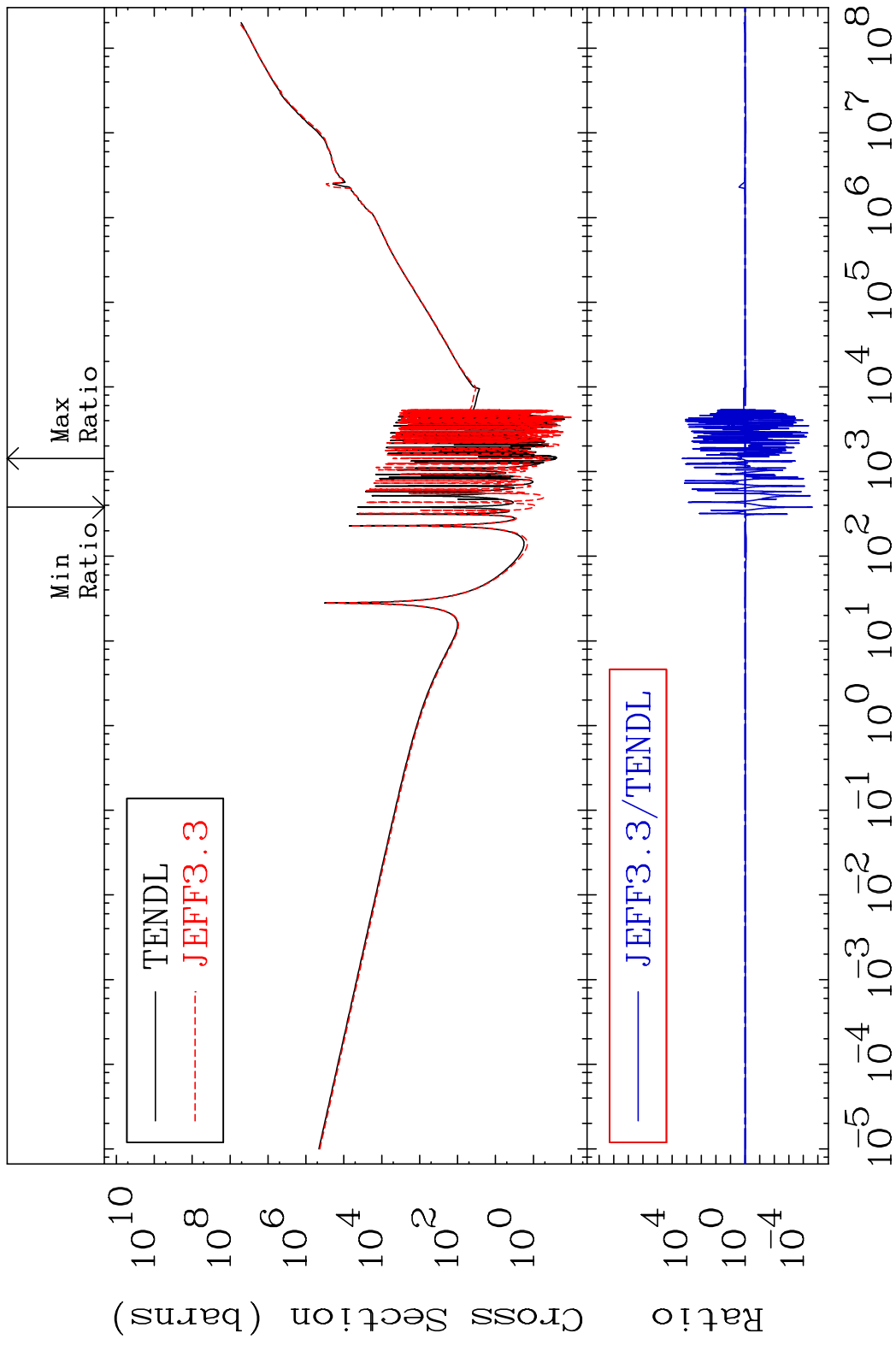


66

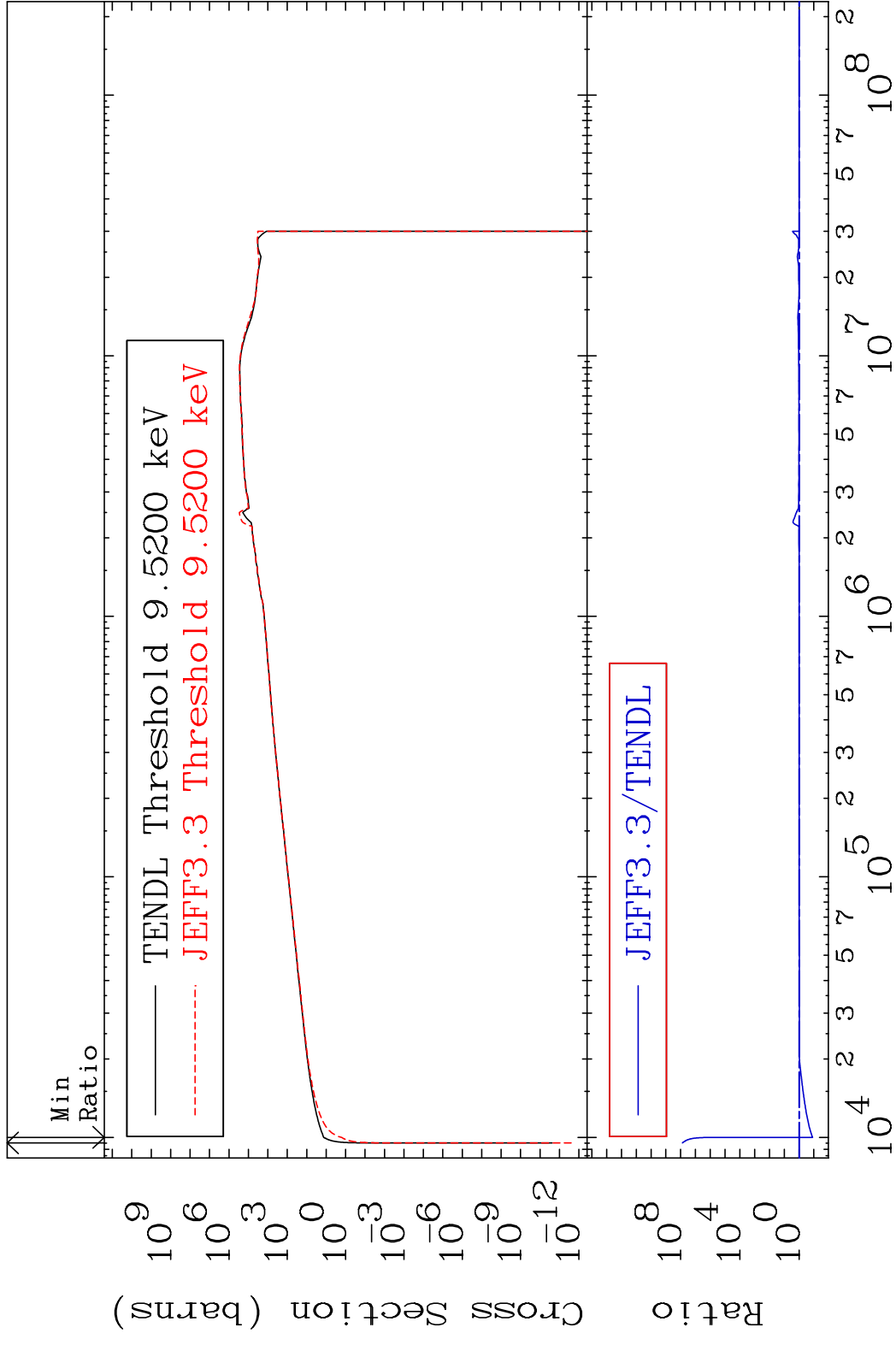
Incident Energy (eV)

36-Kr-83

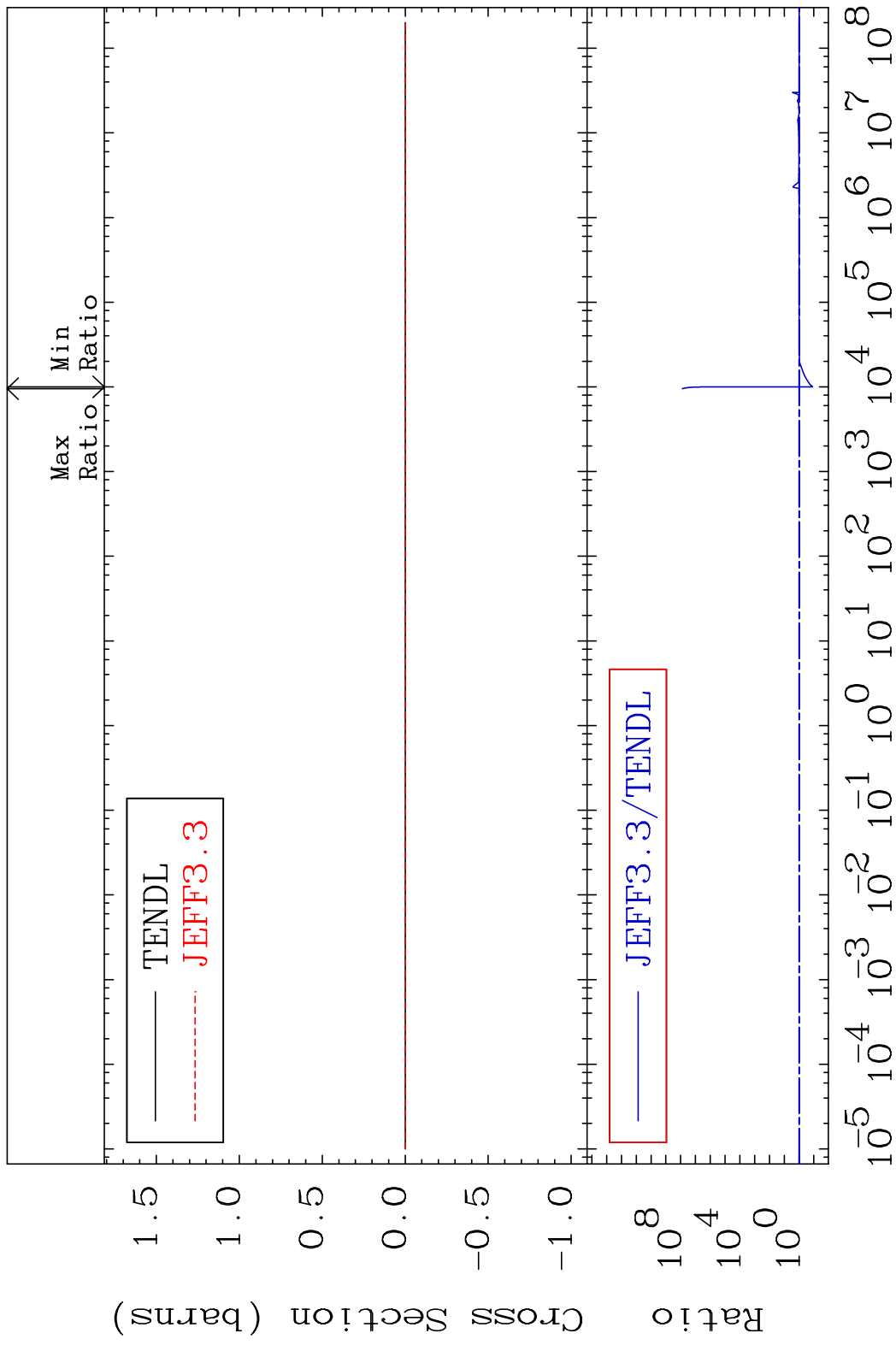
MAT 3640 Kerma non-elastic (all but mt2) 36-Kr-83  
 Cross Section -100.0 To 9999. %



MAT 3640 Kerma inelastic (mt51-91) 36-Kr-83  
 Cross Section -87.78 To 9999. %

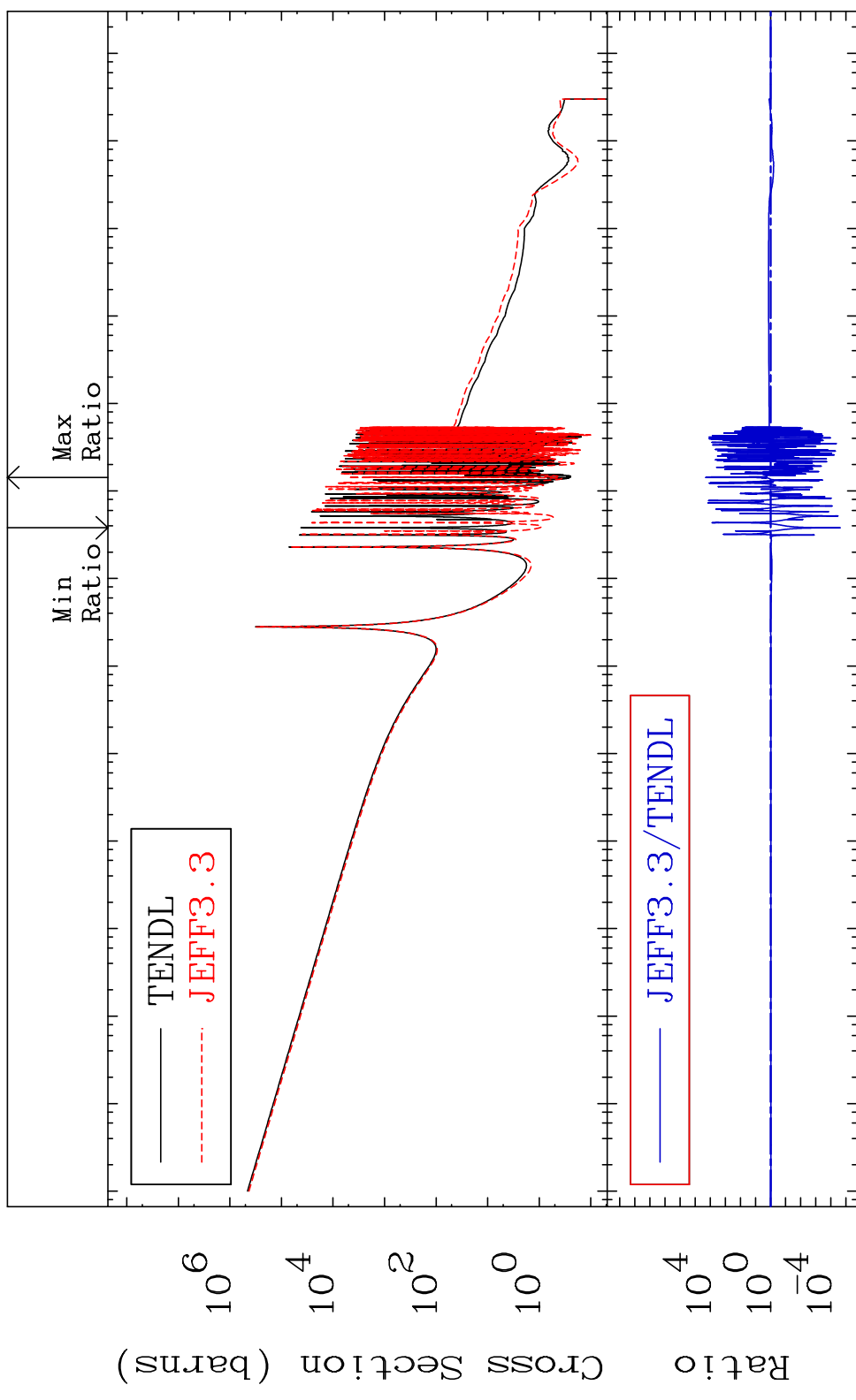


MAT 3640 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-83  
 Cross Section -87.78 To 9999. %



MAT 3640

Kerma capture (mt102) 36-Kr-83  
Cross Section -100.0 To 9999. %



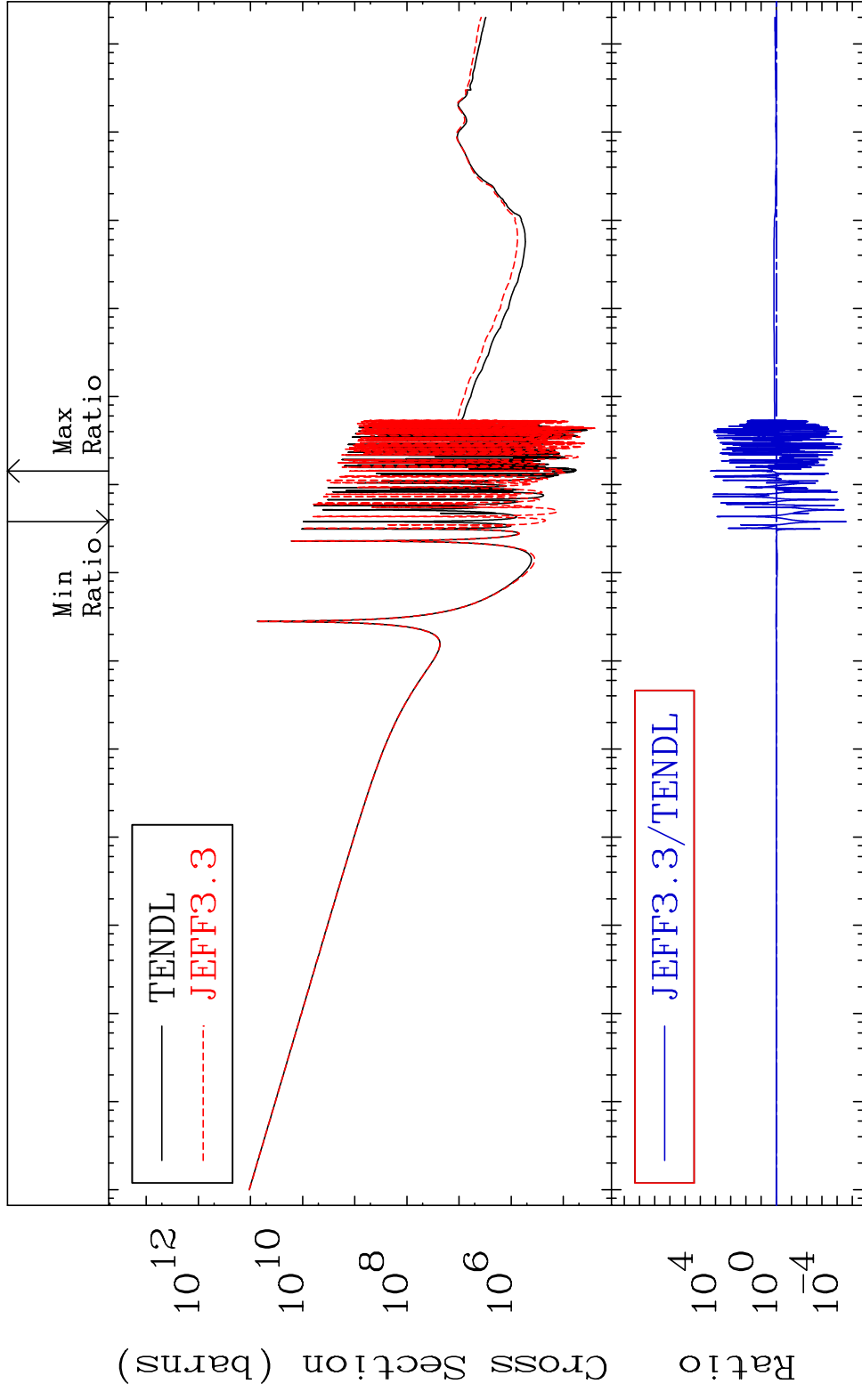
70 10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

70

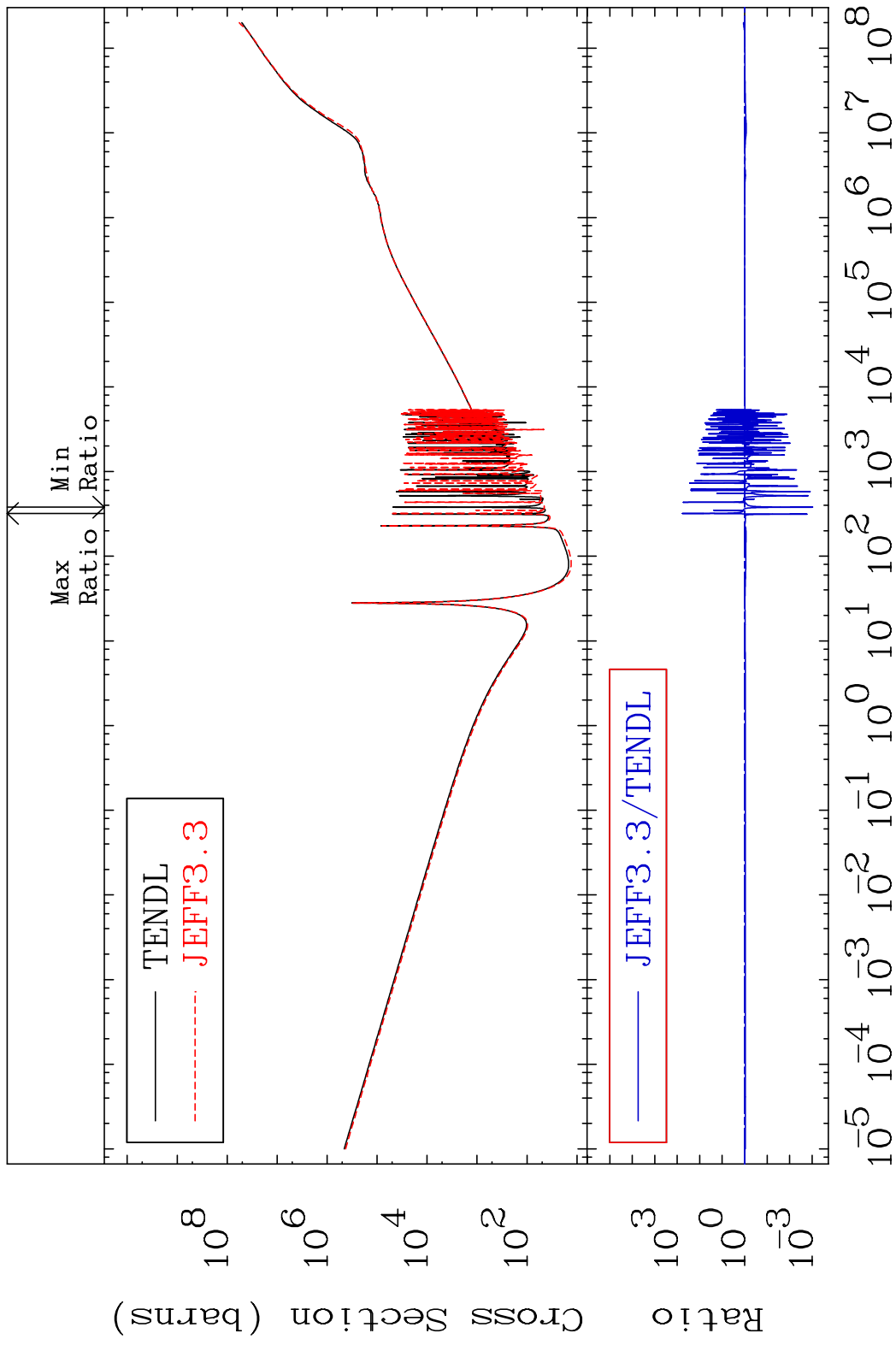
Incident Energy (eV)

36-Kr-83

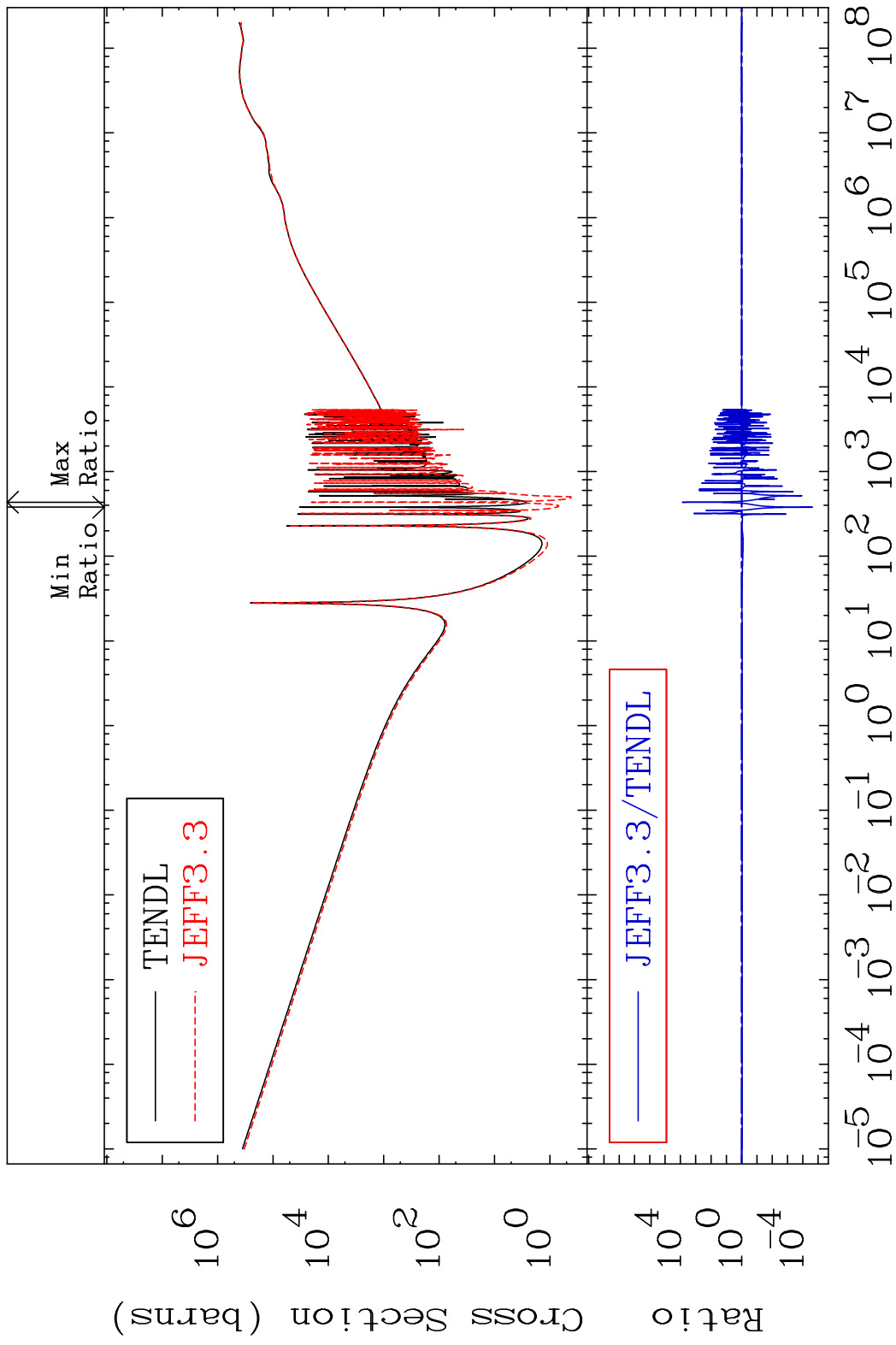
MAT 3640 Total photon (eV-barns) 36-Kr-83  
 Cross Section -100.0 To 9999. %



MAT 3640 Total kinematic kerma (high limit) 36-Kr-83  
 Cross Section -99.91 To 9999. %



MAT 3640      Dpa total (eV-barns)      36-Kr-83  
 Cross Section      -100.0 To 9999.      %



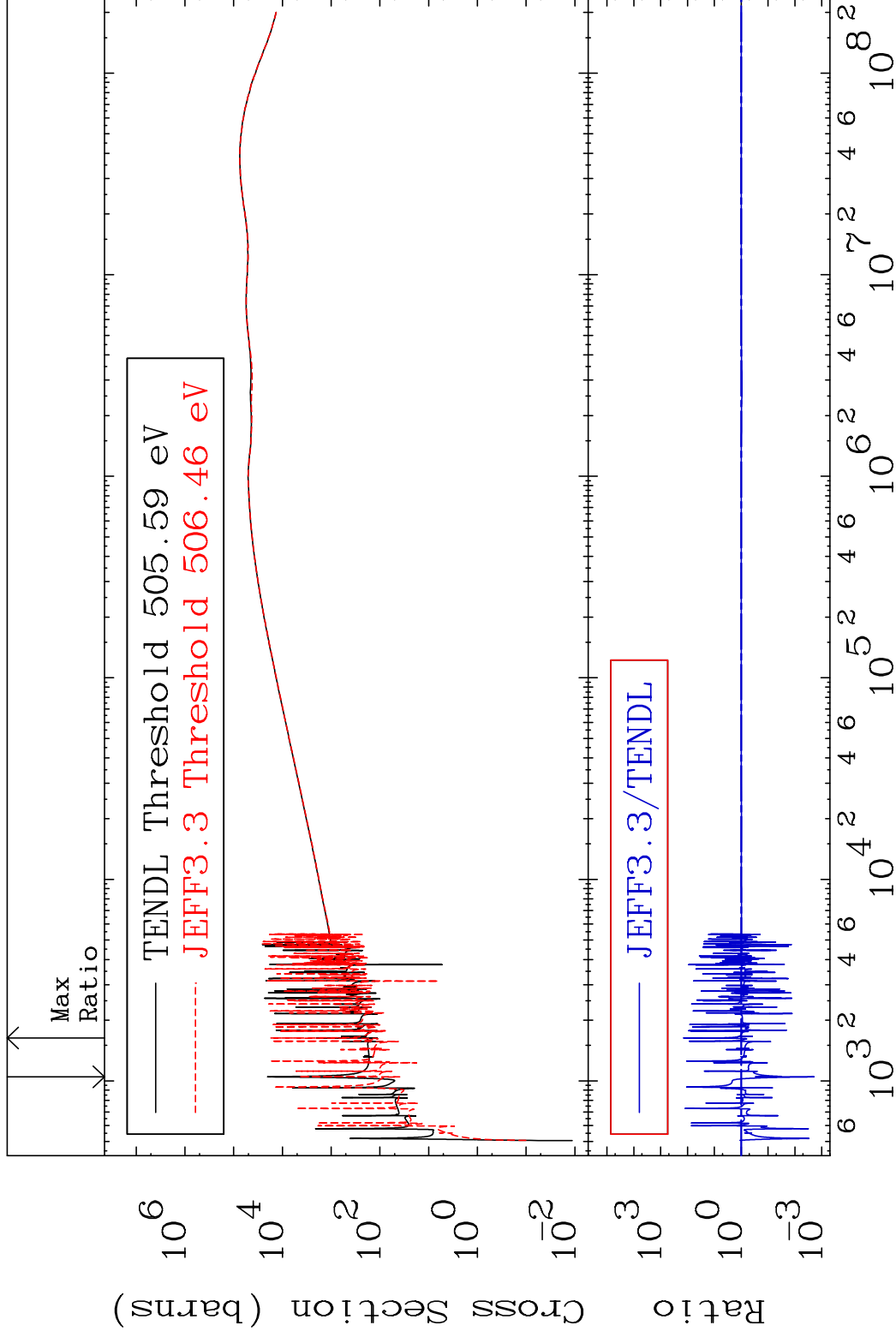
73      Incident Energy (eV)      36-Kr-83

MAT 3640

Dpa elastic (mt2)

36-Kr-83

Cross Section -99.81 To 9999. %

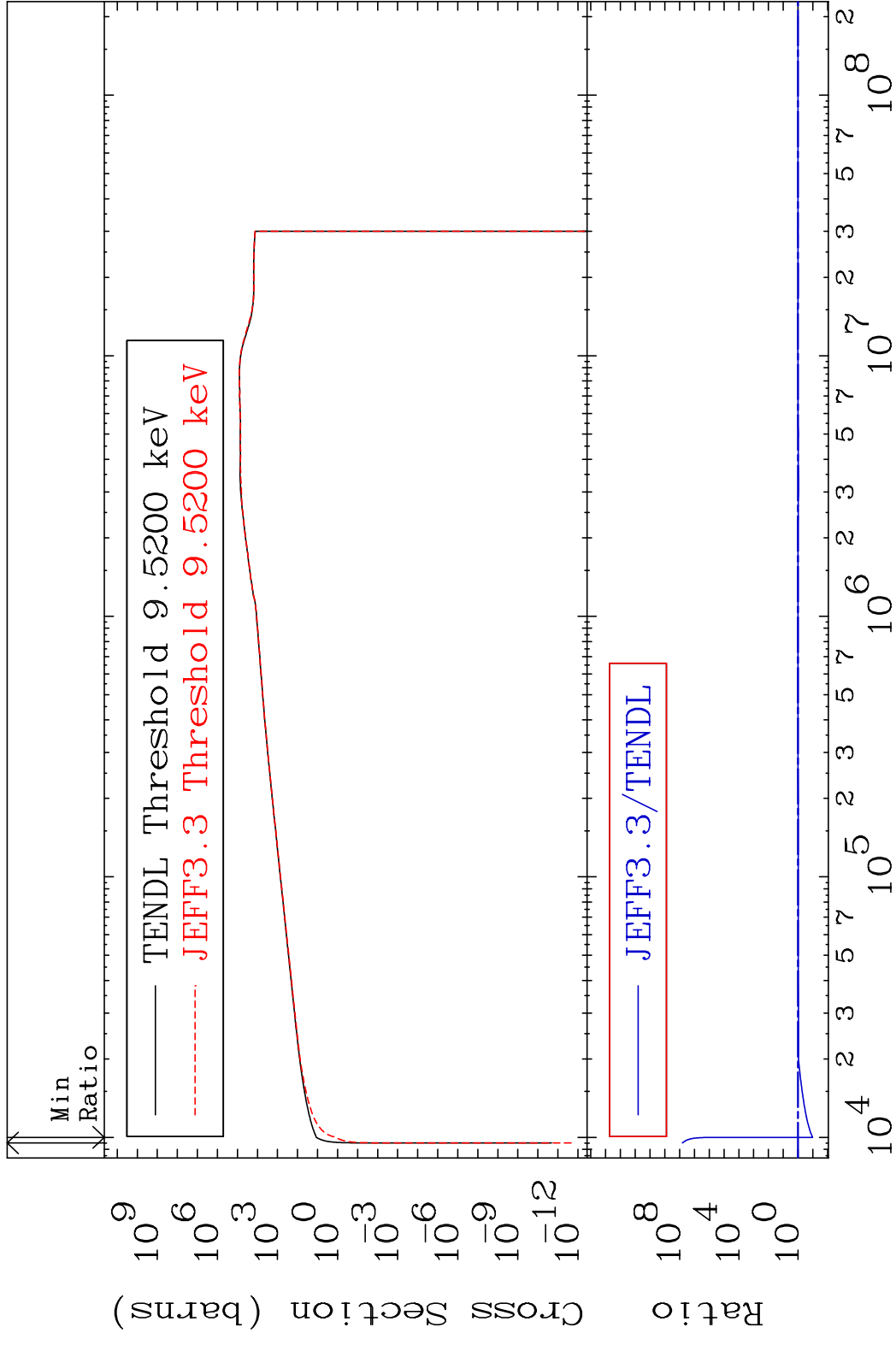


74

Incident Energy (eV)

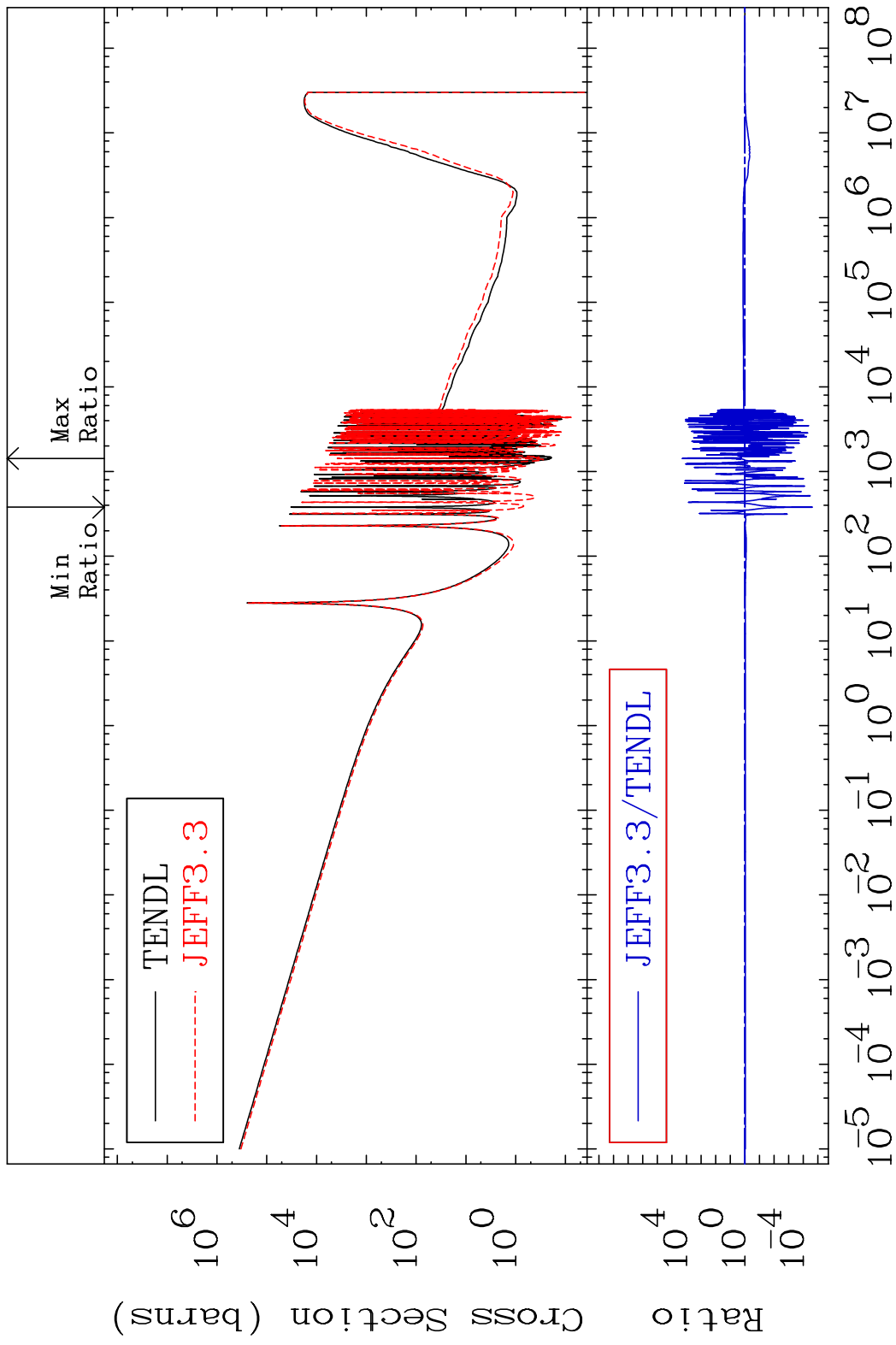
36-Kr-83

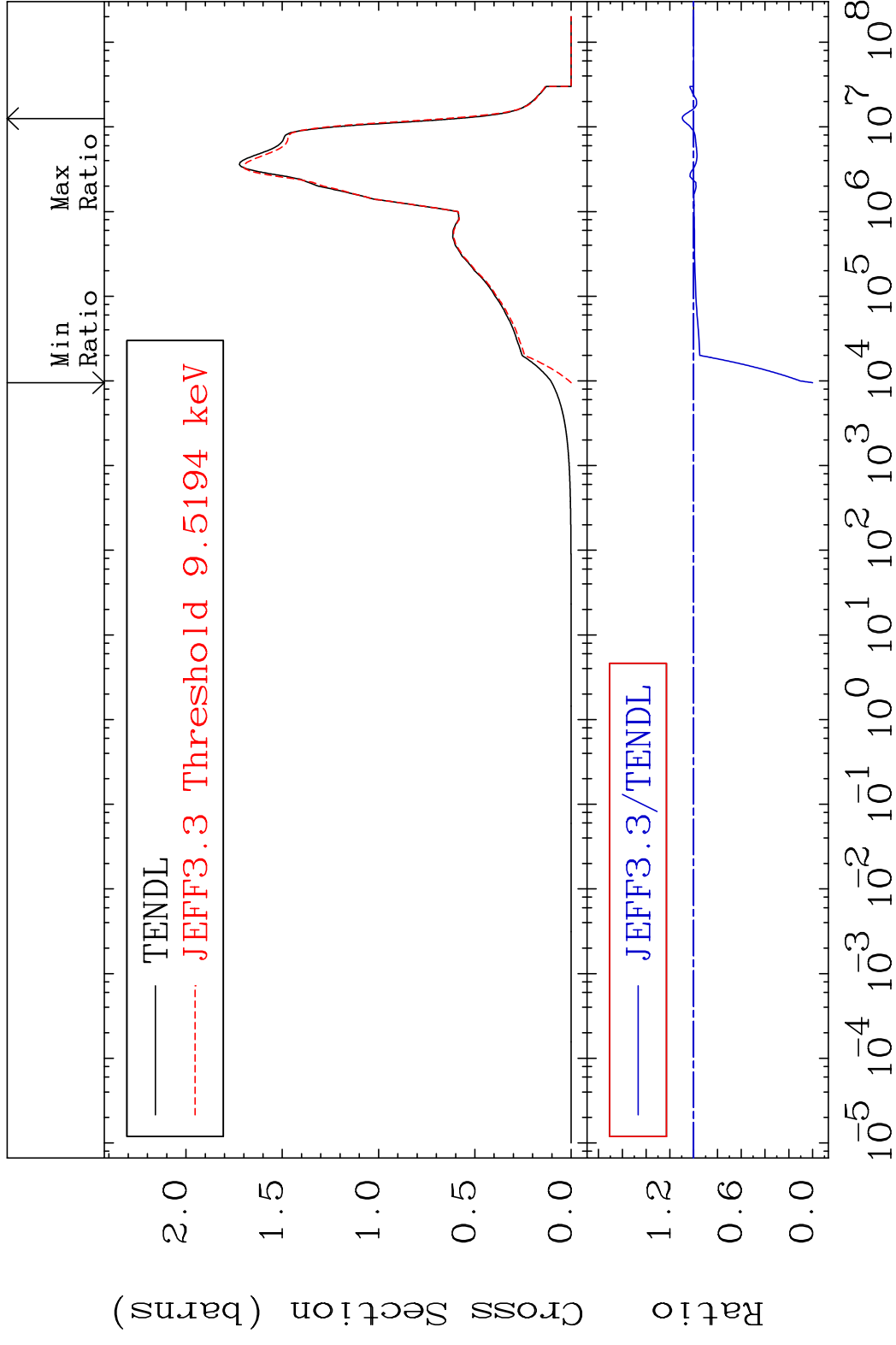
MAT 3640 Dpa inelastic (mt51-91) 36-Kr-83  
 Cross Section -89.51 To 9999. %

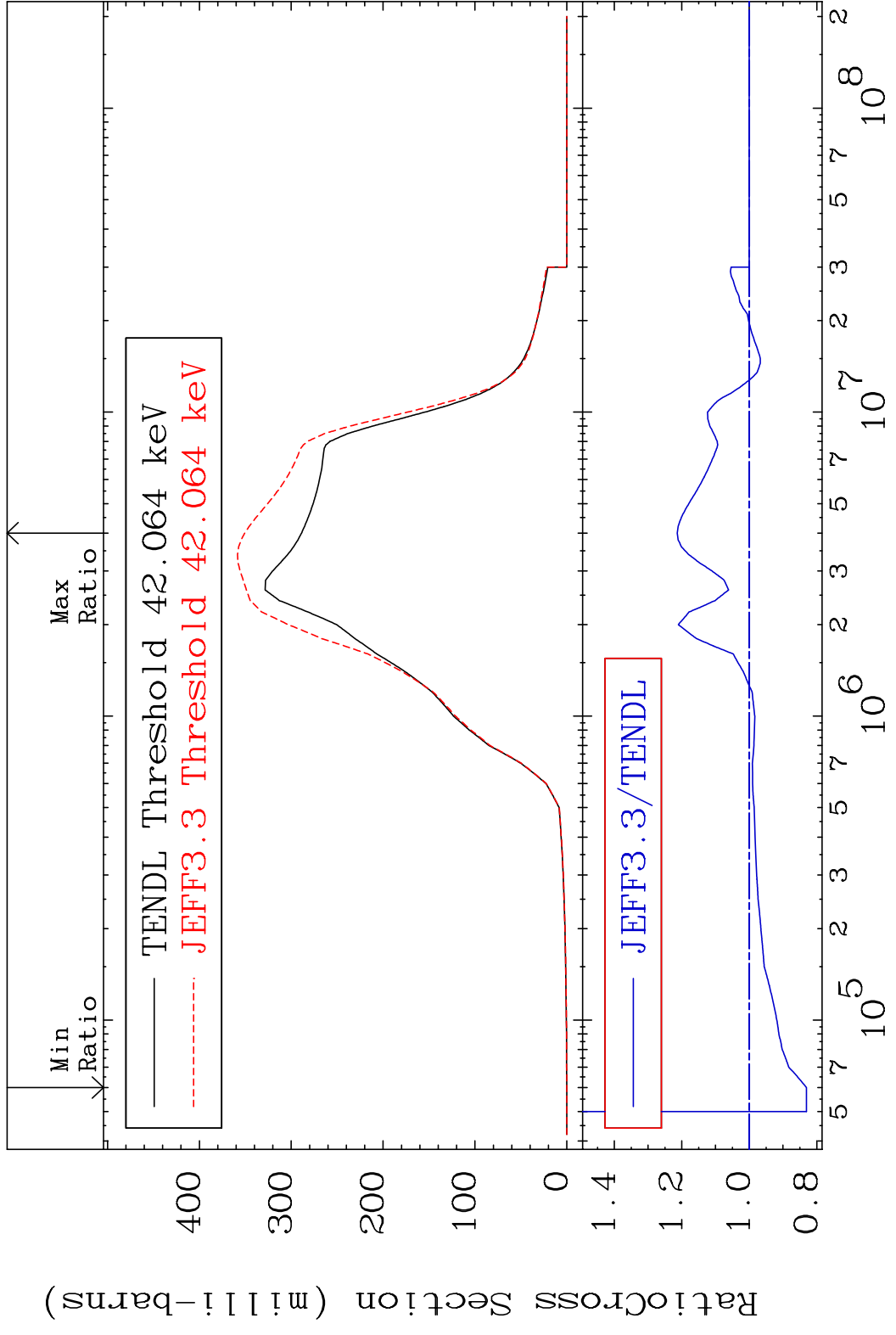


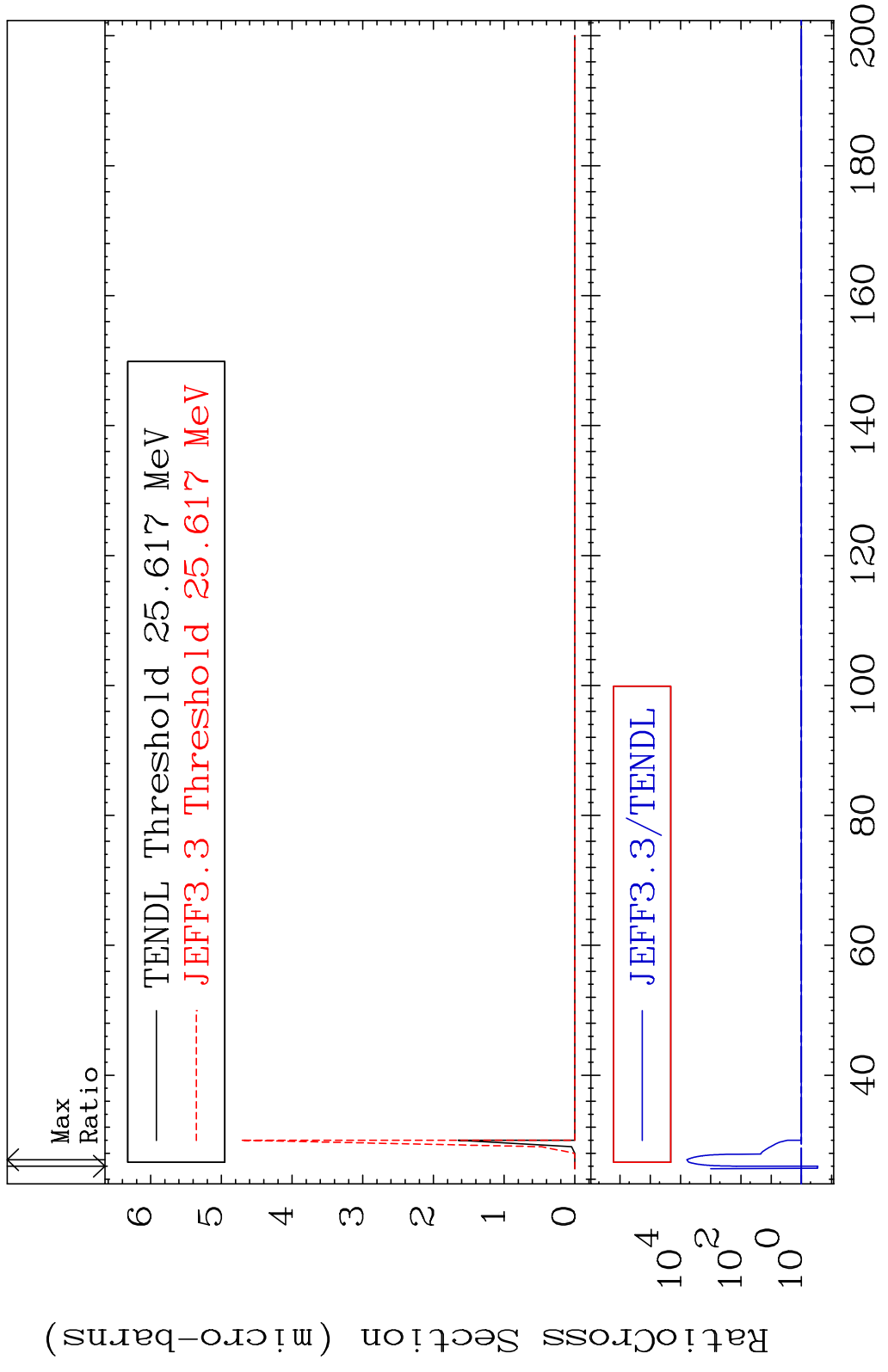
75 Incident Energy (eV) 36-Kr-83

MAT 3640 Dpa disappearance (mt102 -120) 36-Kr-83  
 Cross Section -100.0 To 9999. %

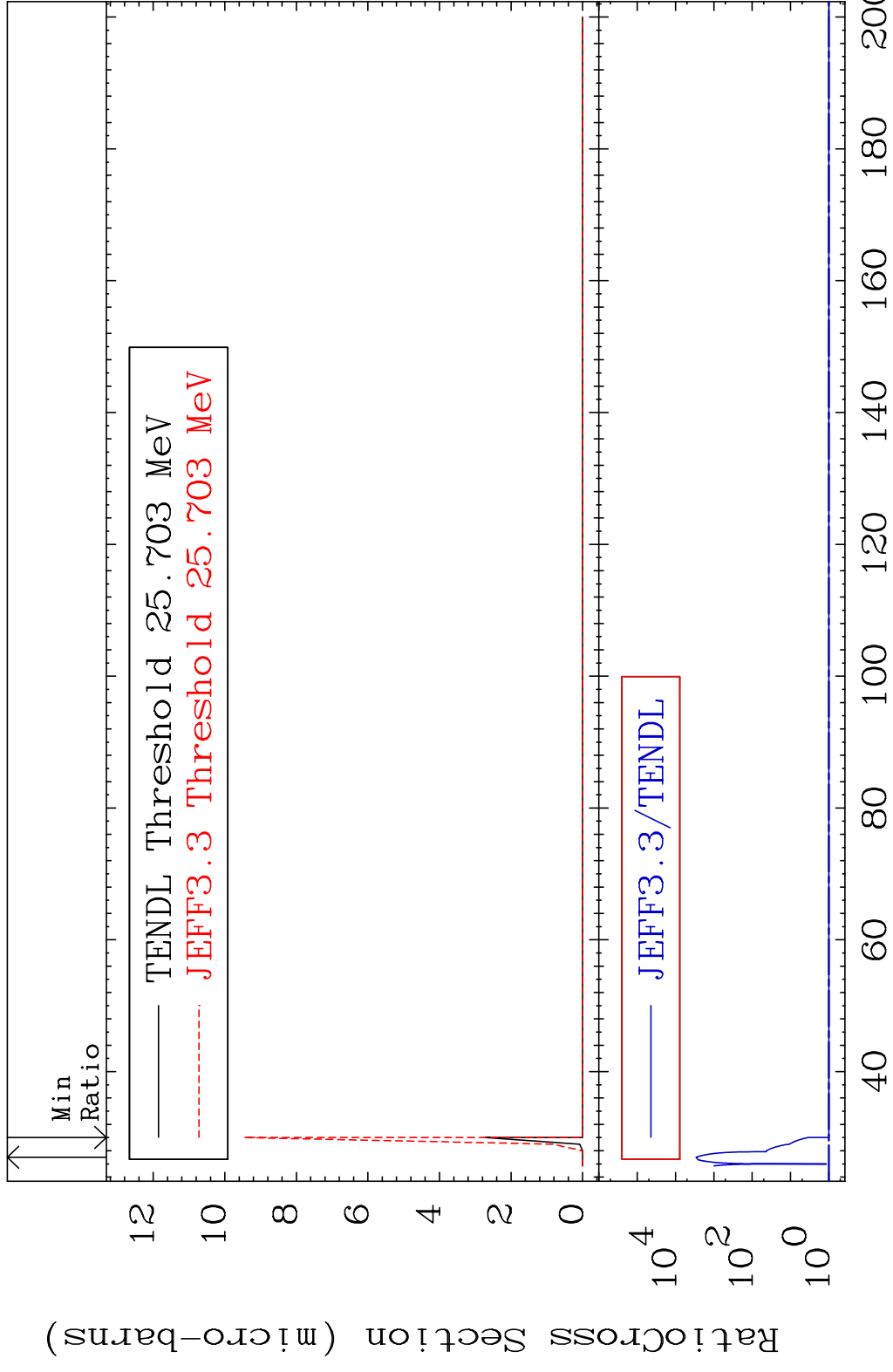






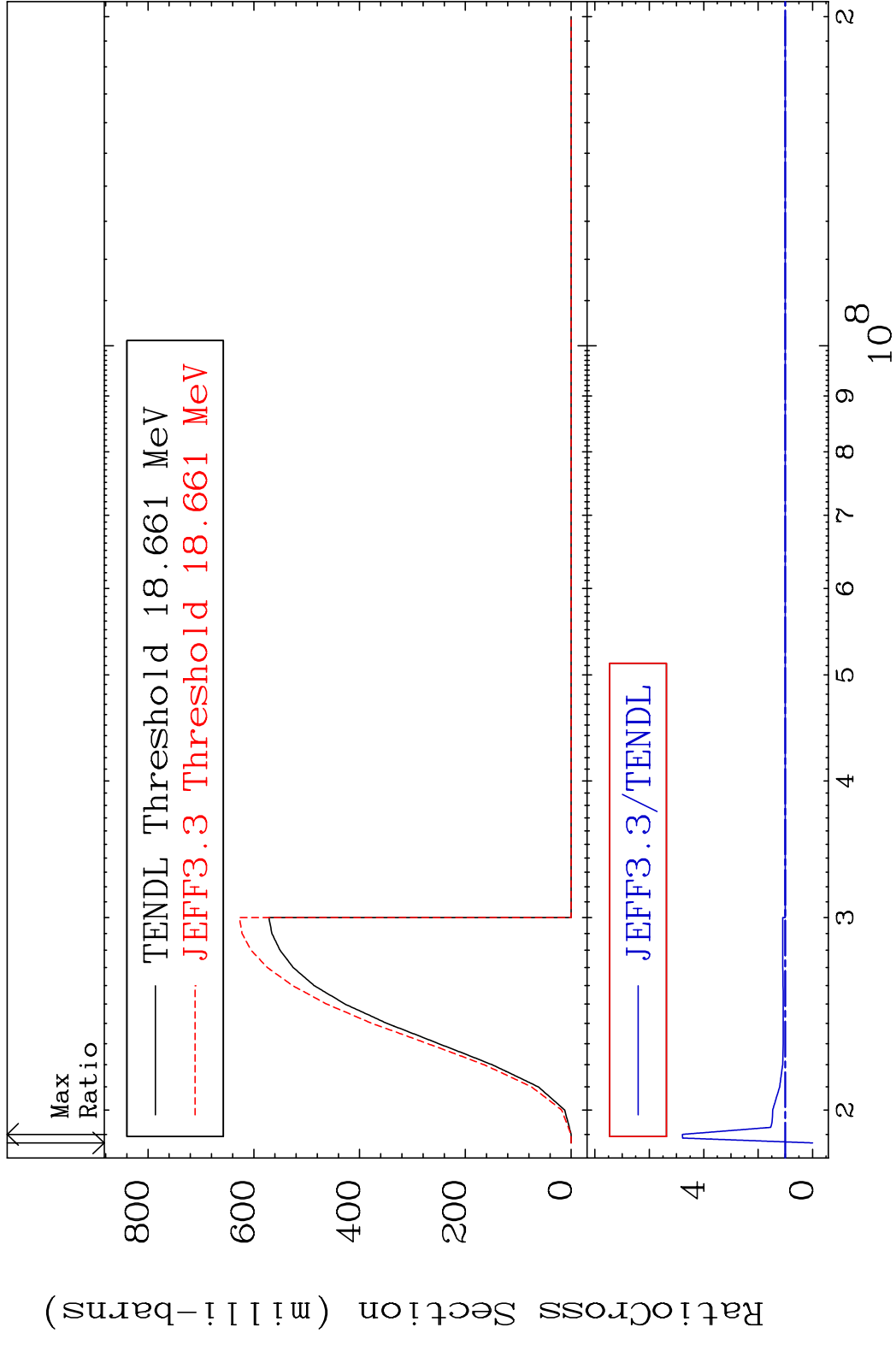


MAT 3640 (n,2n) d:35-Br-80m2 36-Kr-83  
 Radionuclide Production Cross Section, %

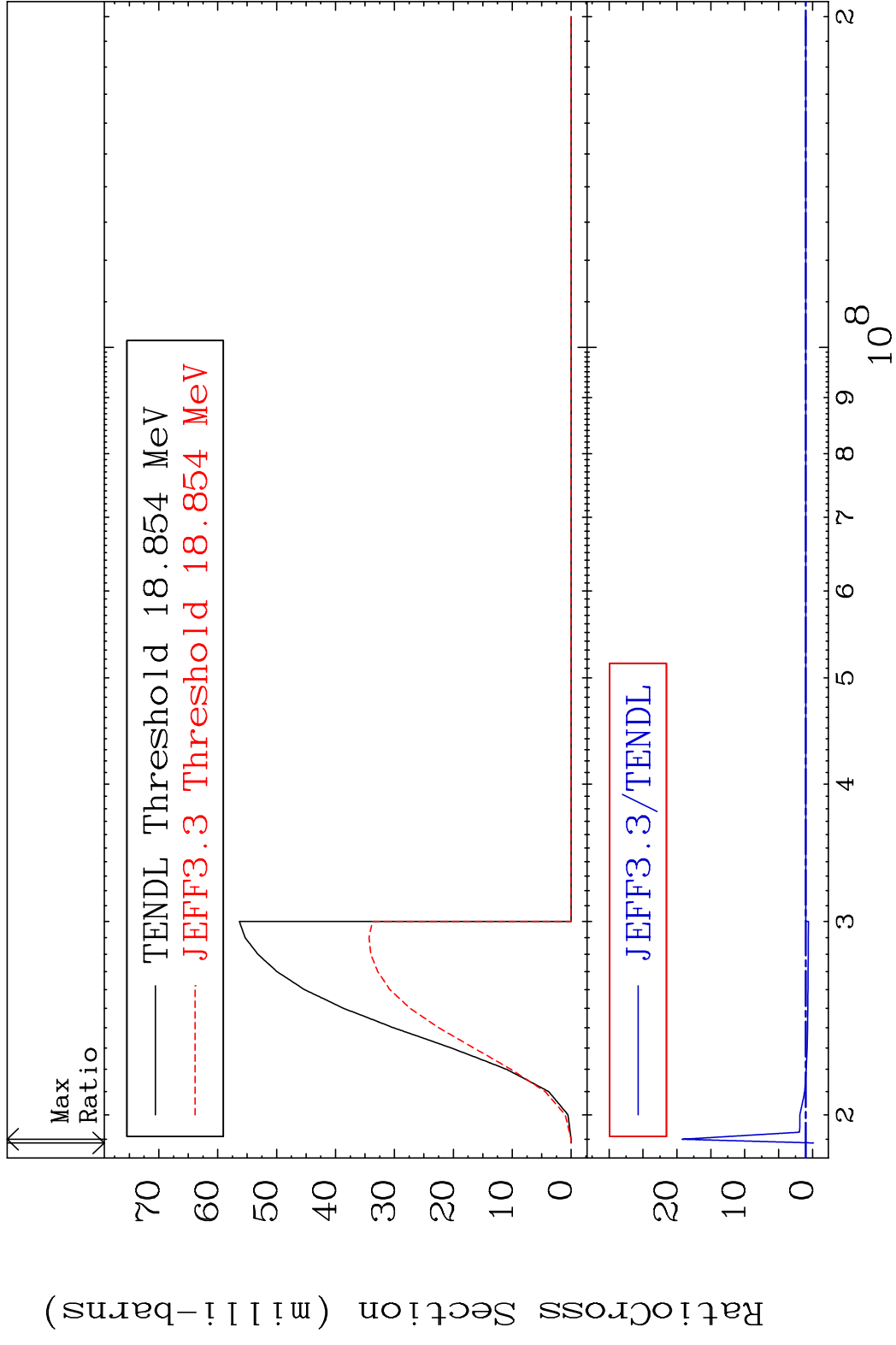


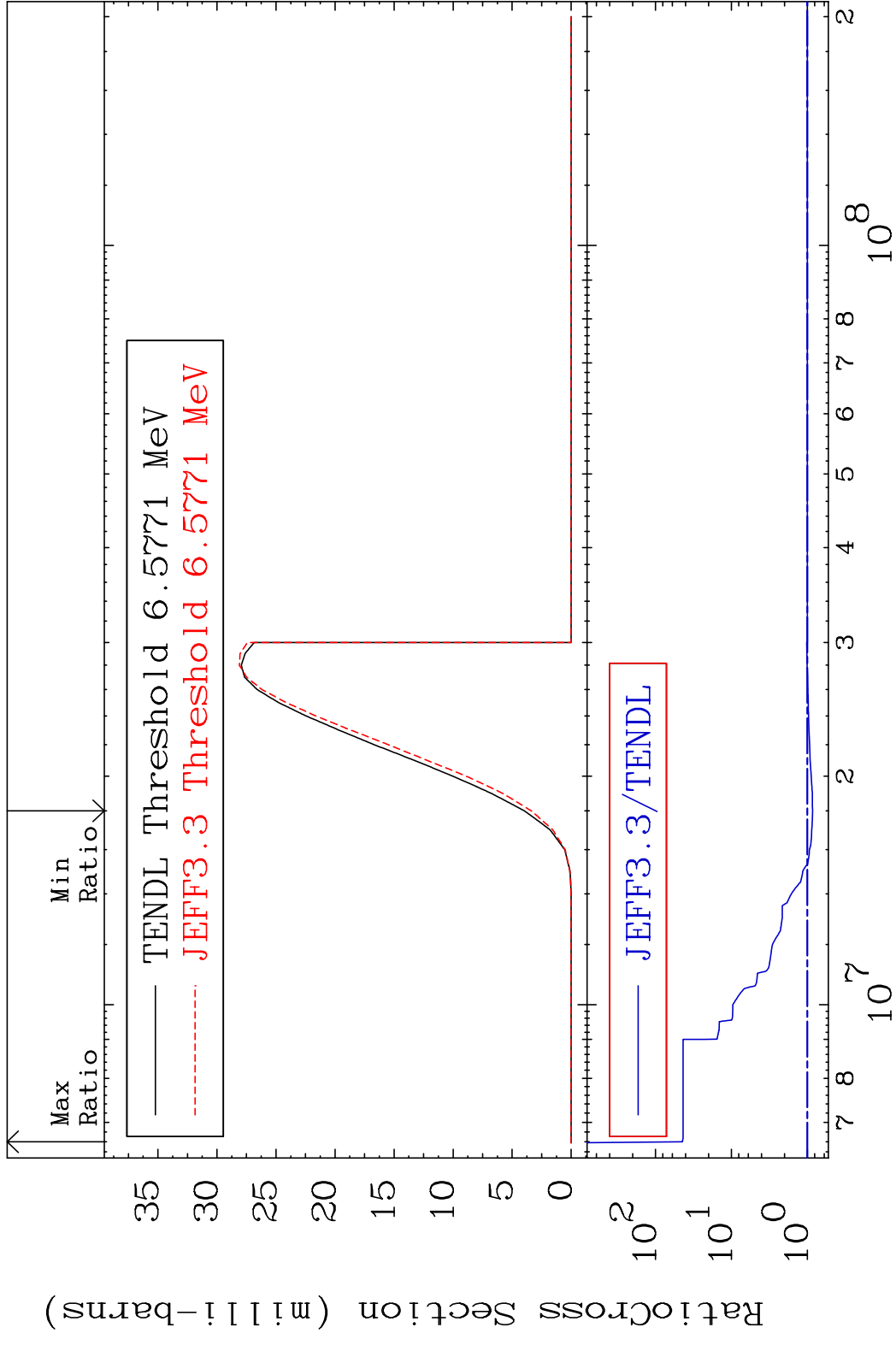
80 Incident Energy (MeV) 36-Kr-83

MAT 3640 (n,3n):36-Kr-81g 36-Kr-83  
 Radionuclide Production Cross Section 18.661 MeV 378.5 %

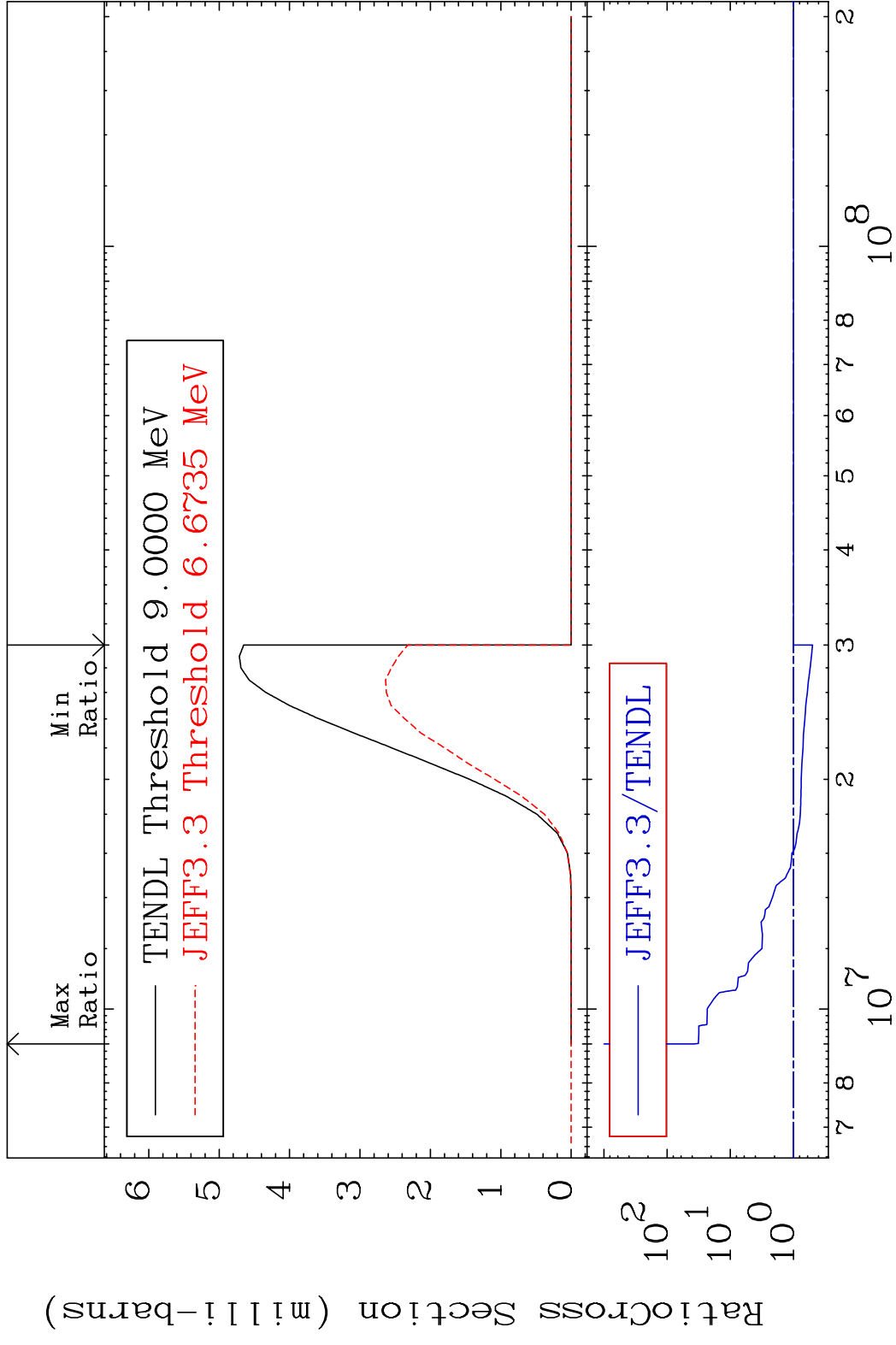


MAT 3640 (n,3n):36-Kr-81m2 36-Kr-83  
 Radionuclide Production Cross Section 1820. %

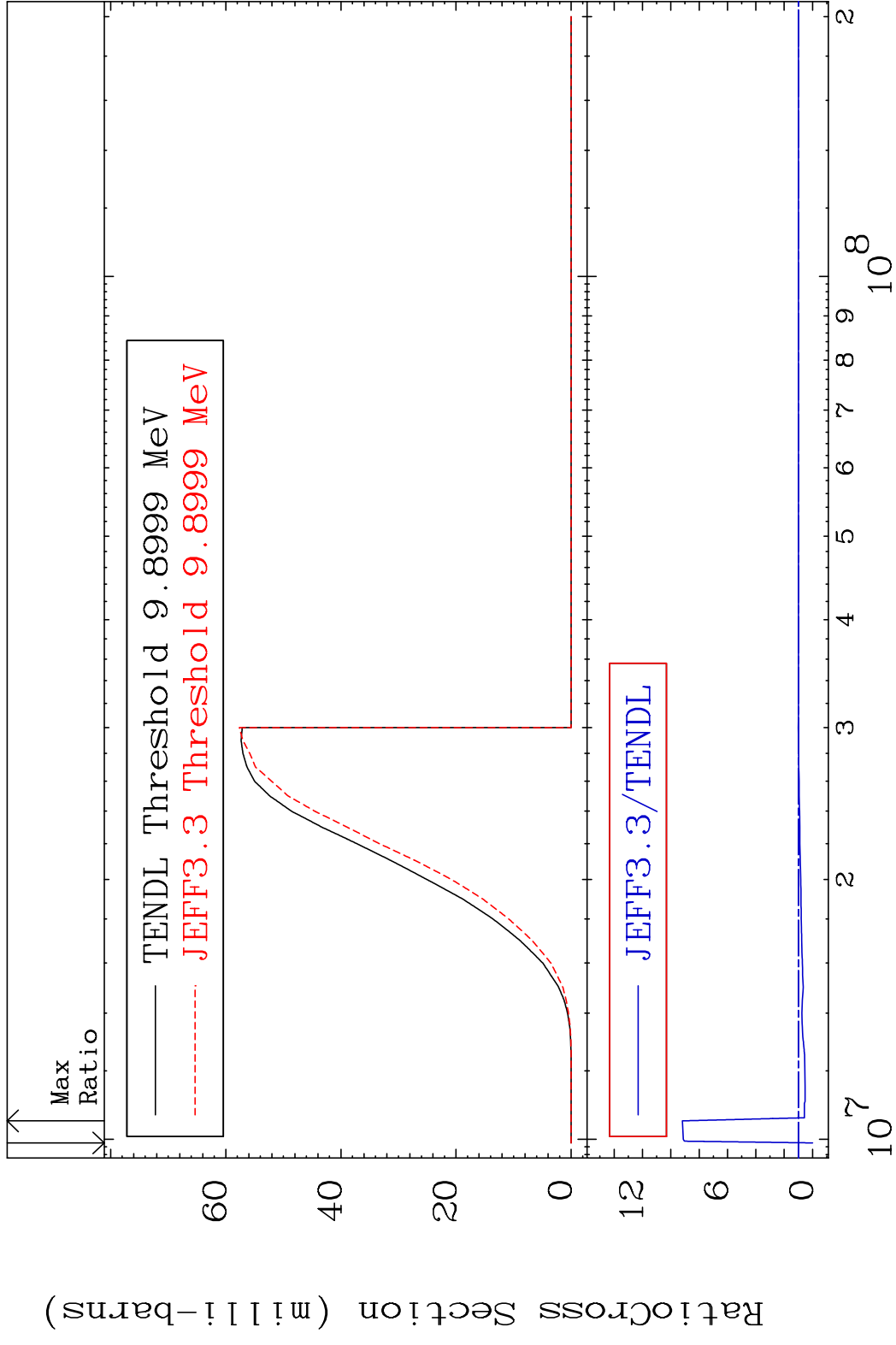




MAT 3640 (n, n')  $\alpha$ :34-Se-79m1 36-Kr-83  
 Radionuclide Production Cross Section 58e091 d10 5625. %

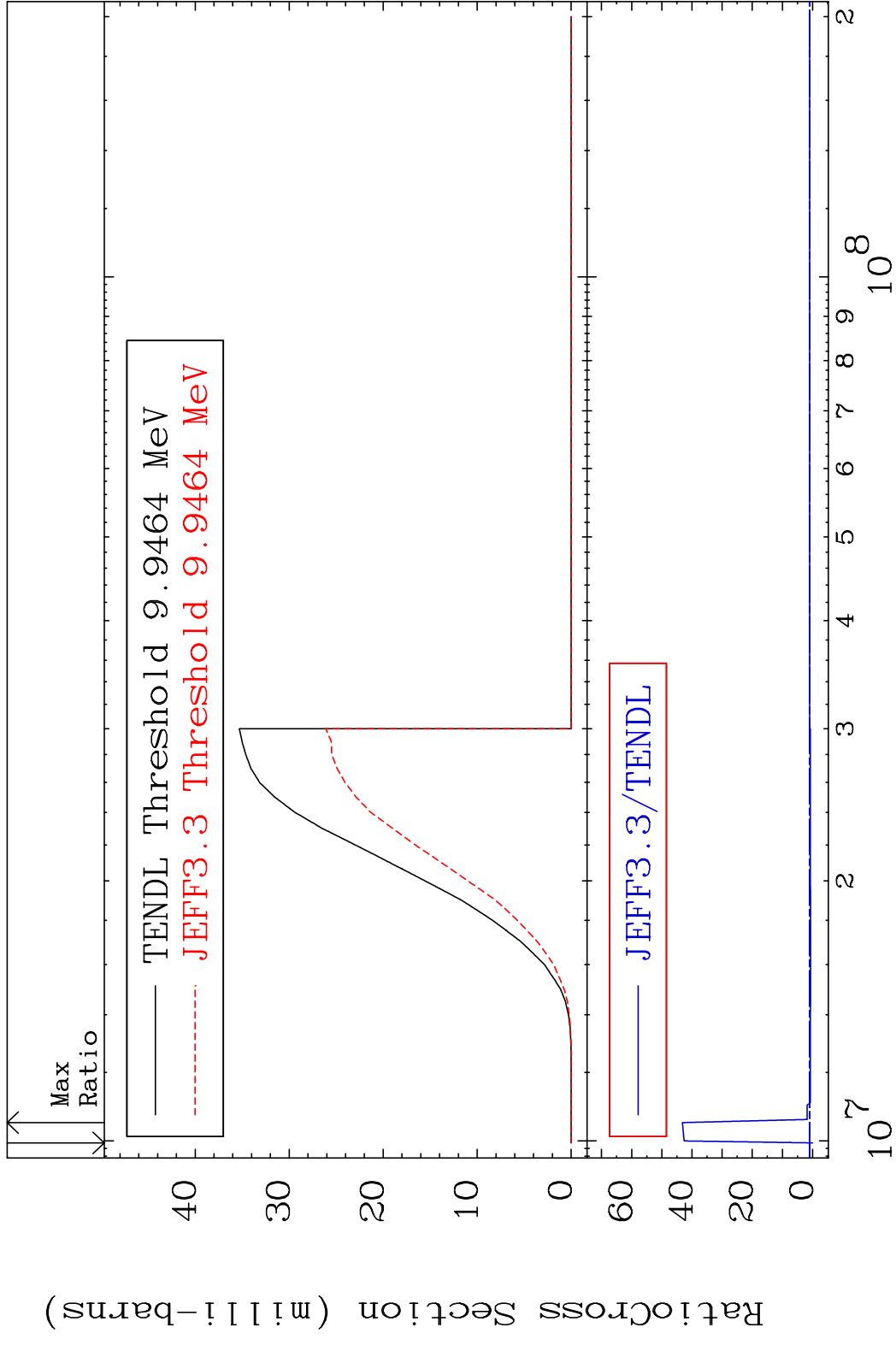


MAT 3640 (n, n') p:35-Br-82g 36-Kr-83  
 Radionuclide Production Cross Section 180.01 dth 818.5 %

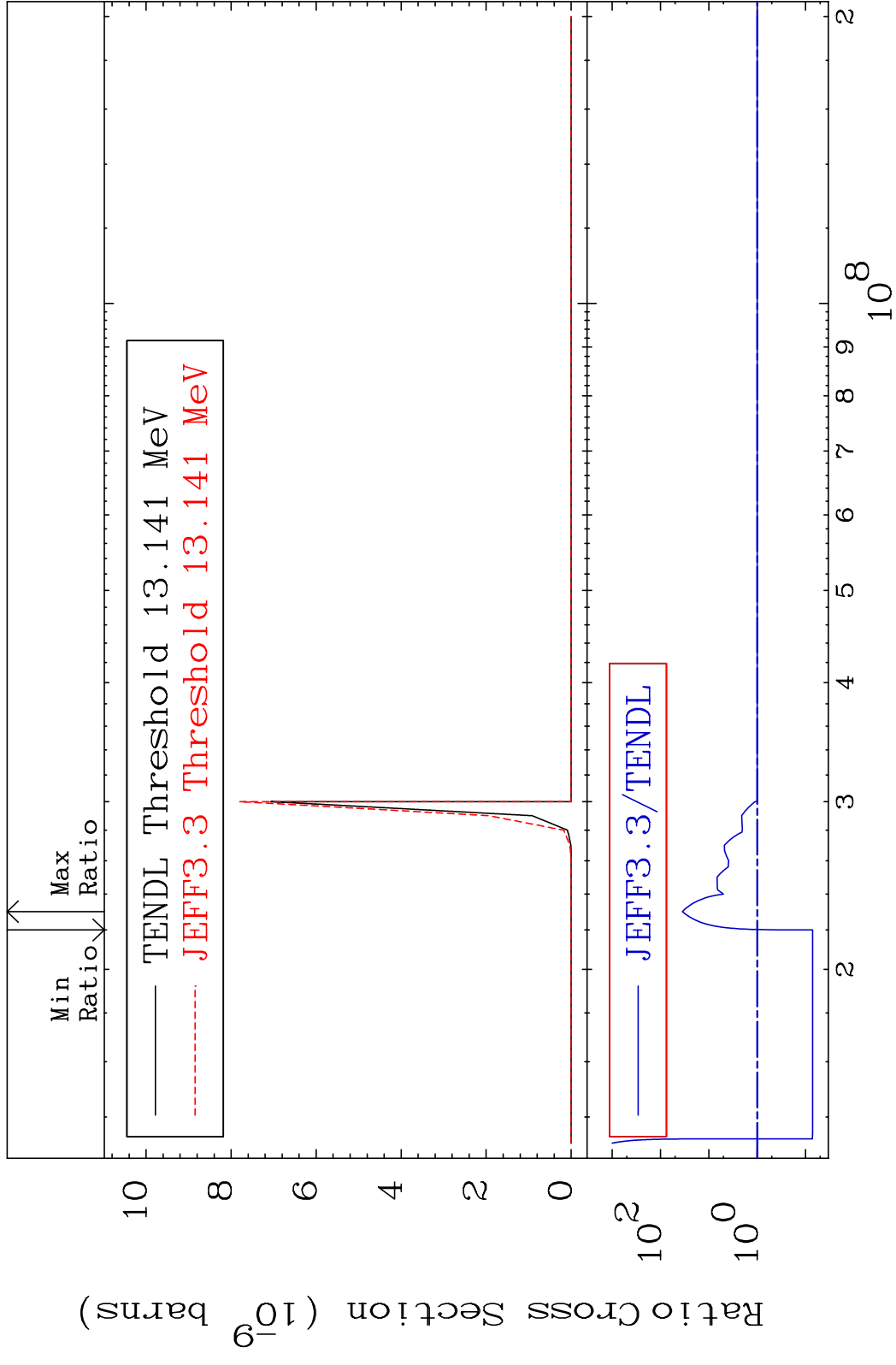


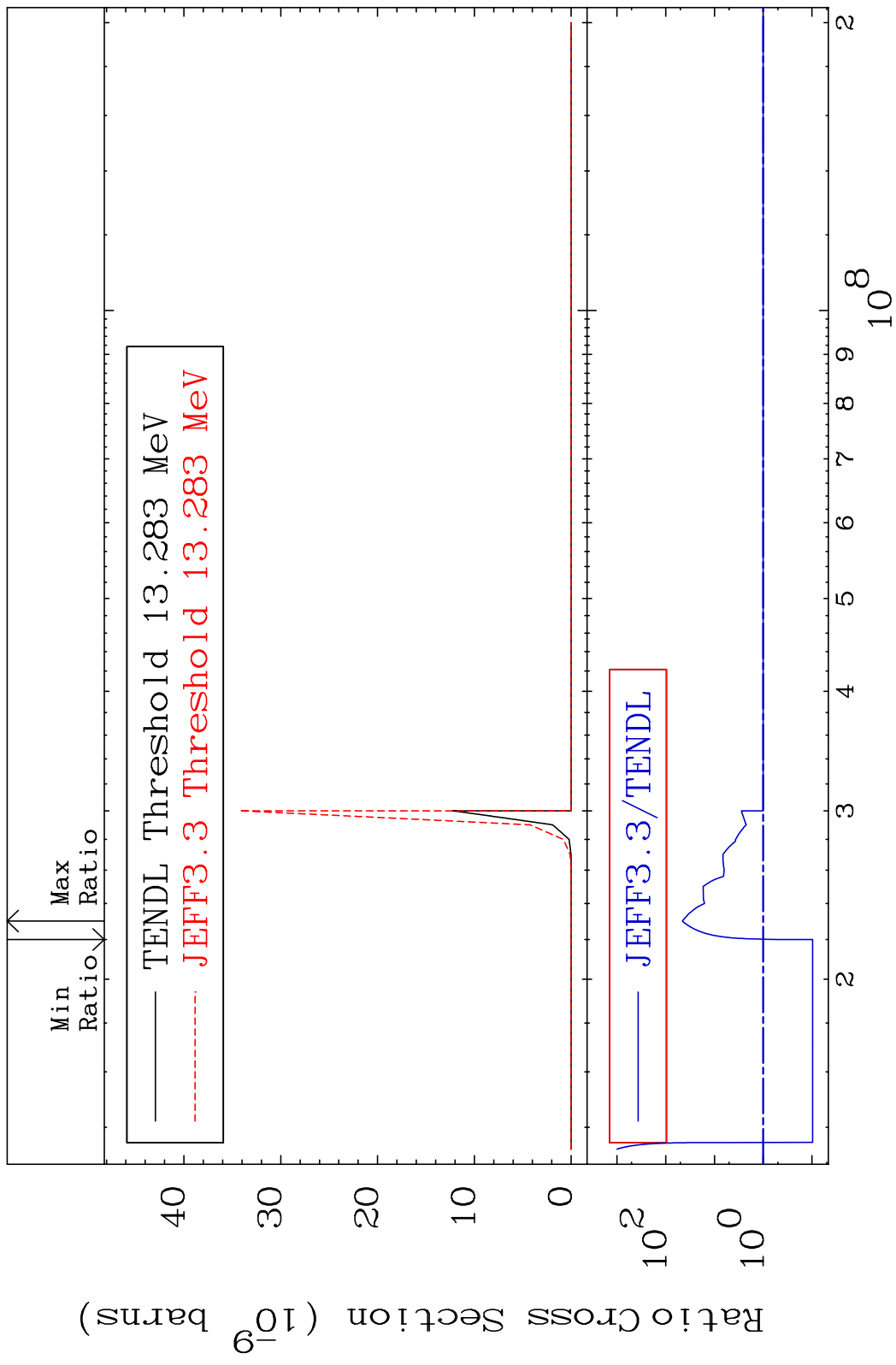
85 Incident Energy (eV) 36-Kr-83

MAT 3640 (n, n') p:35-Br-82m1 36-Kr-83  
 Radionuclide Production Cross Section 4218. %

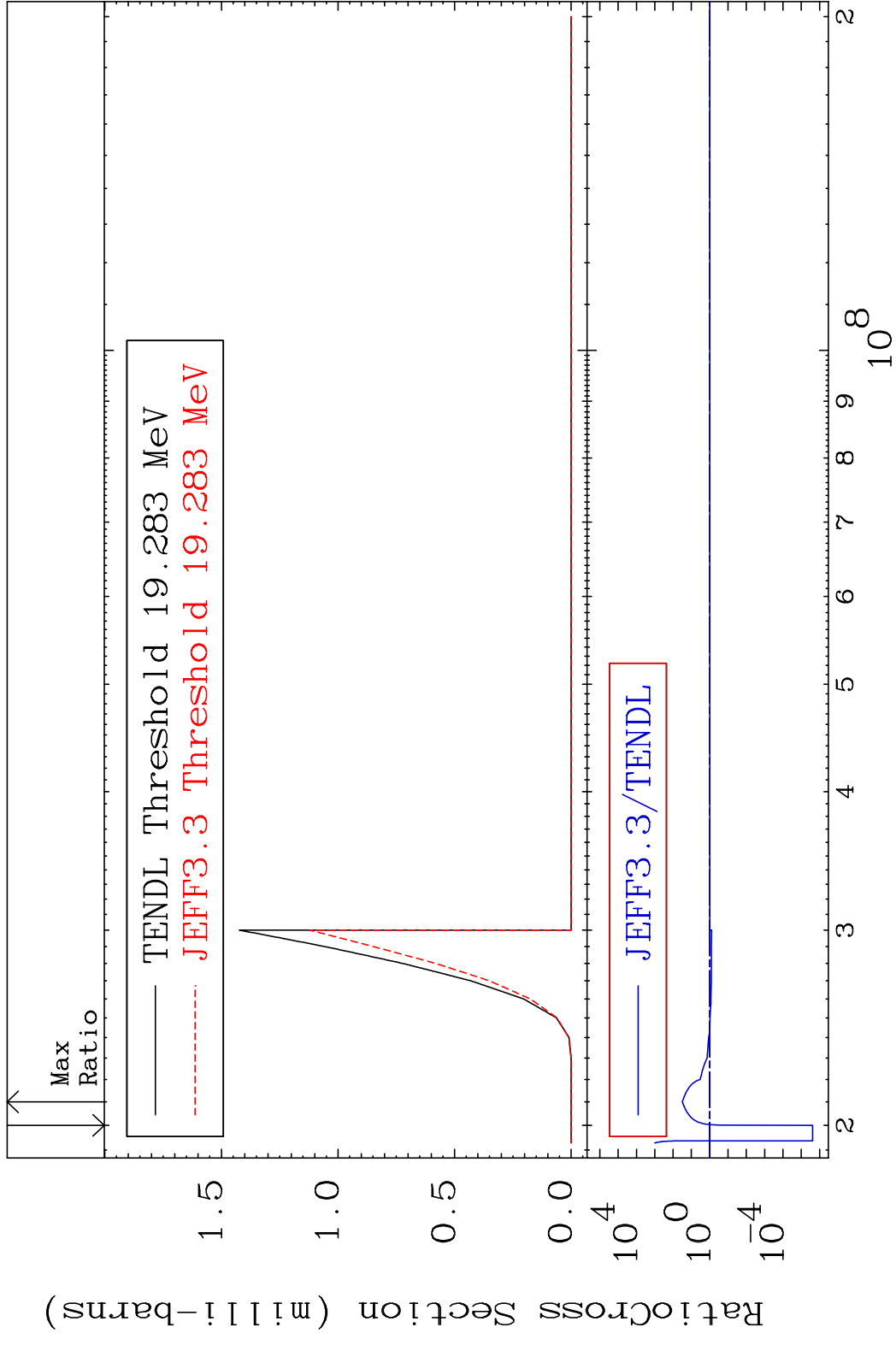


86 Incident Energy (eV) 36-Kr-83

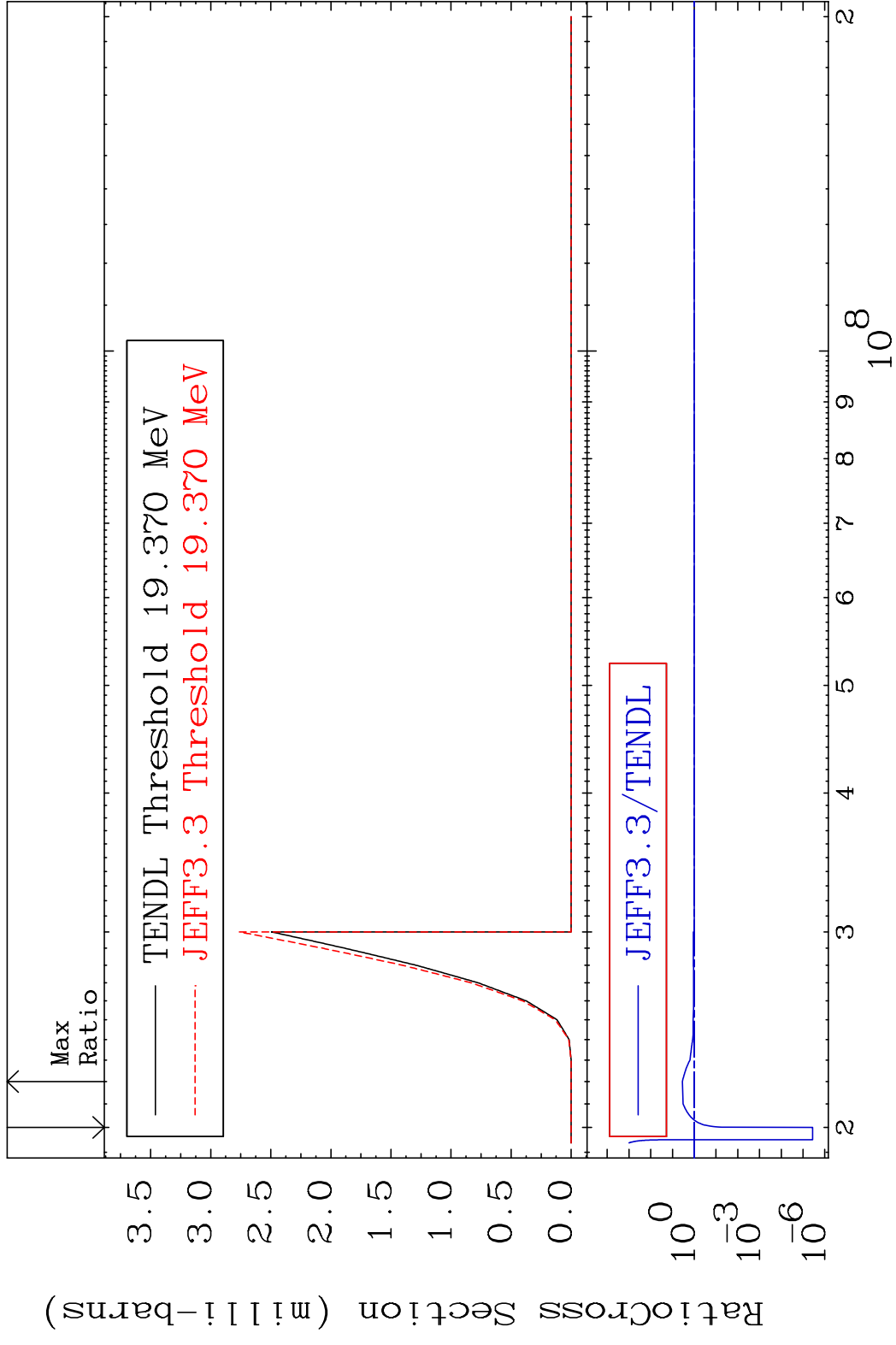




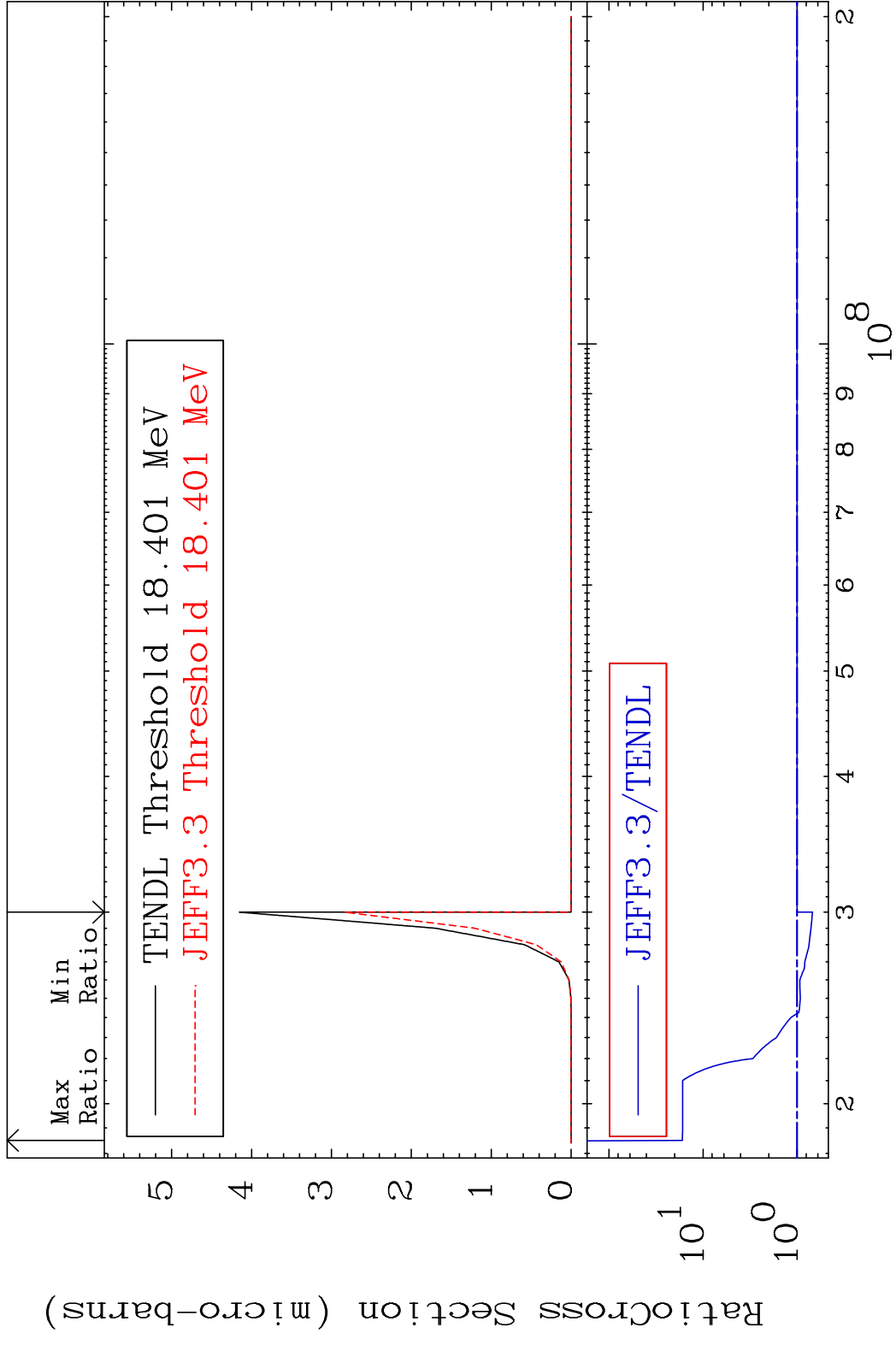
MAT 3640 (n, n') t:35-Br-80g 36-Kr-83  
 Radionuclide Production Cross Section 18000 dth 3015. %

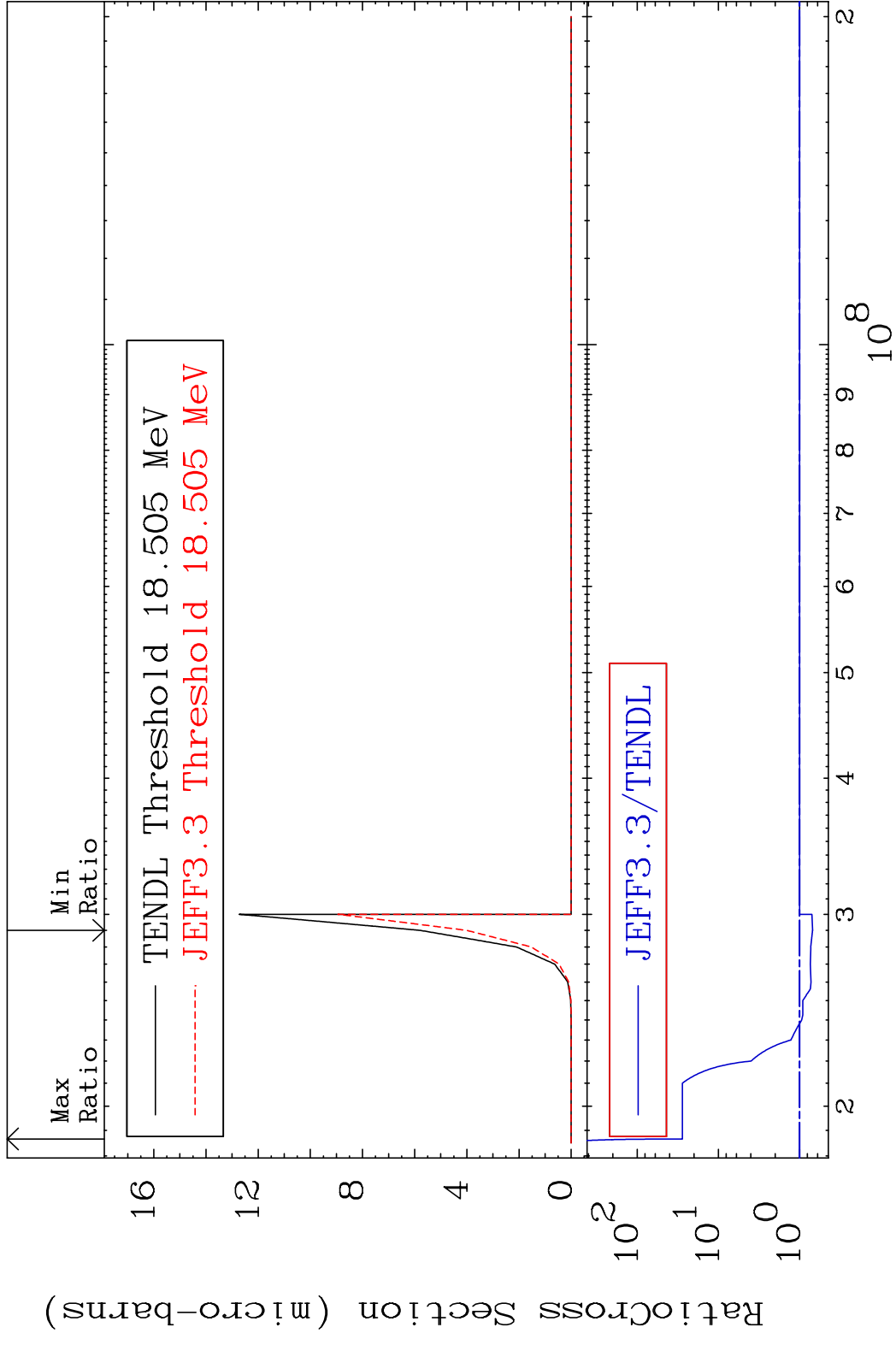


MAT 3640 (n, n') t:35-Br-80m2 36-Kr-83  
 Radionuclide Production Cross Section 1800 dth 251.4 %

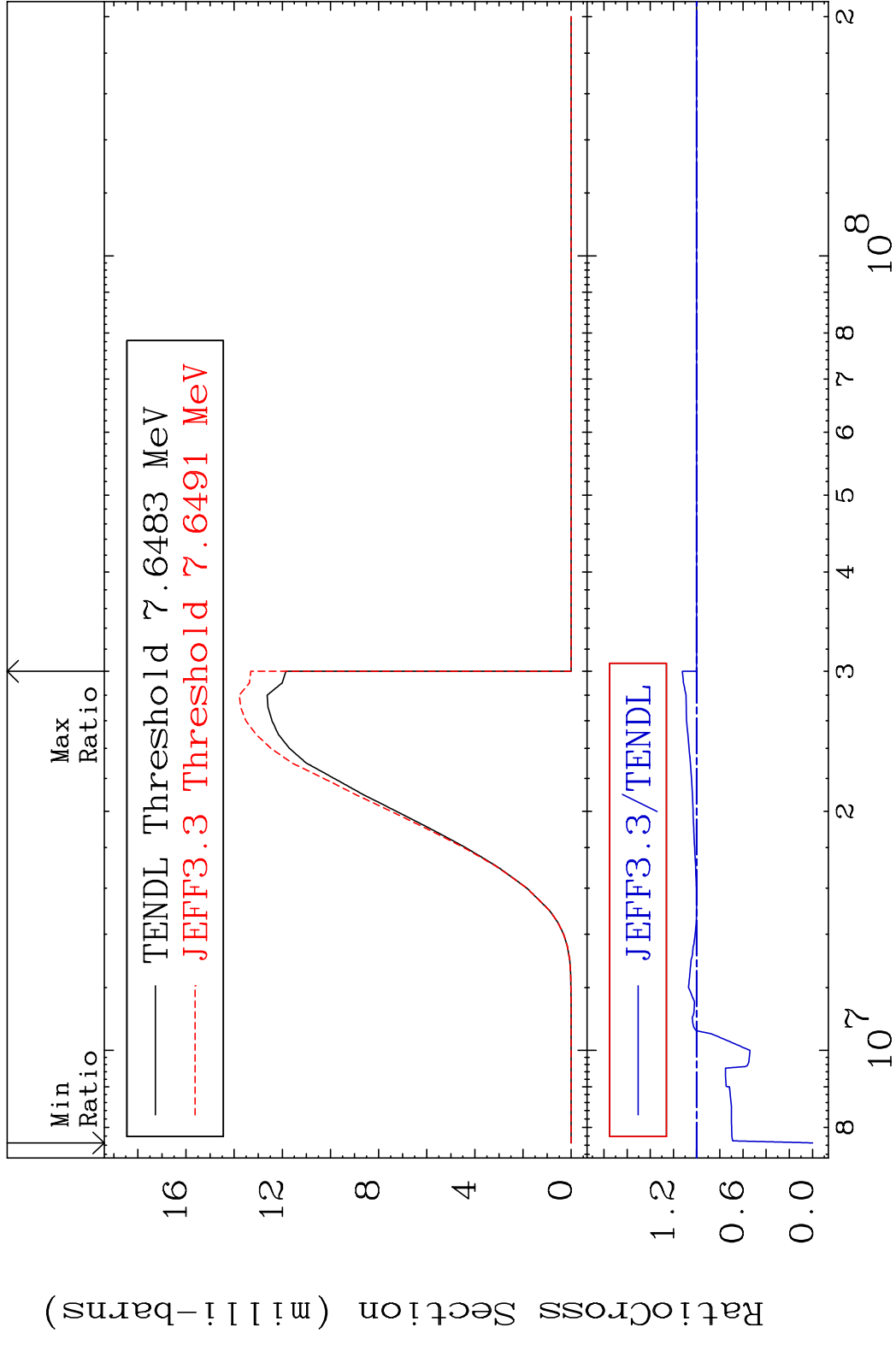


MAT 3640 (n,2n) p:34-Se-81g 36-Kr-83  
 Radionuclide Production Cross Section 1560. %

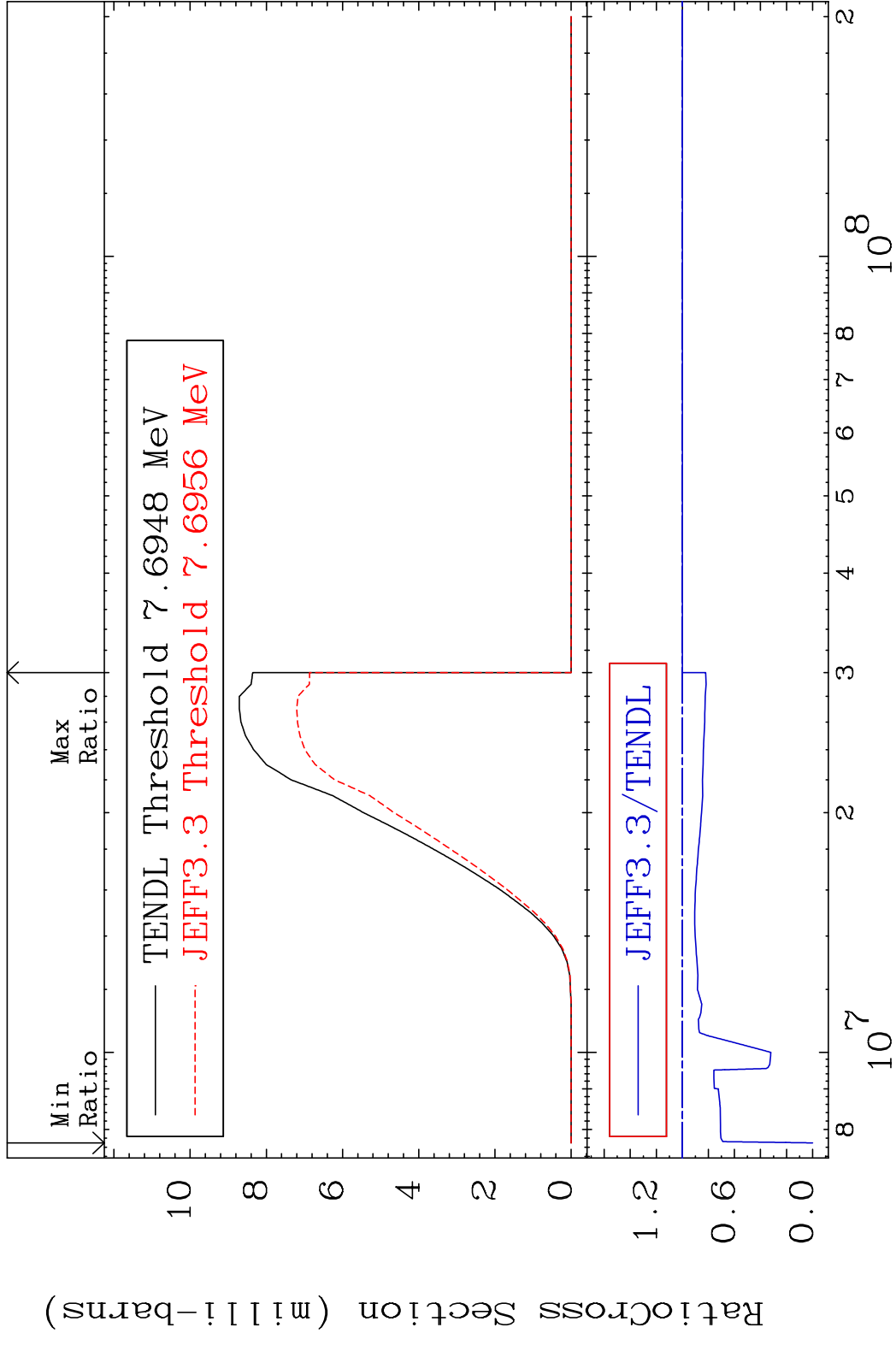


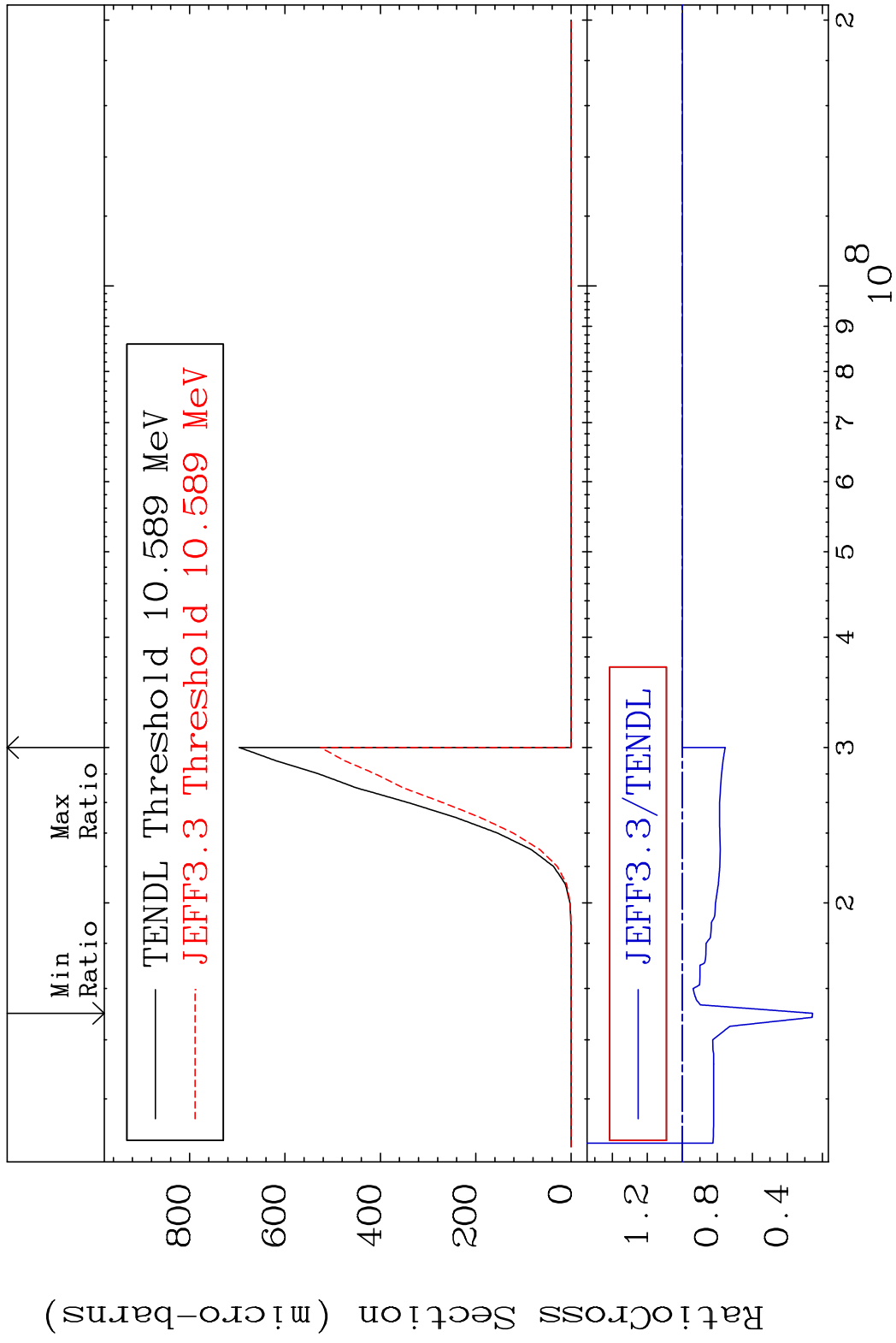


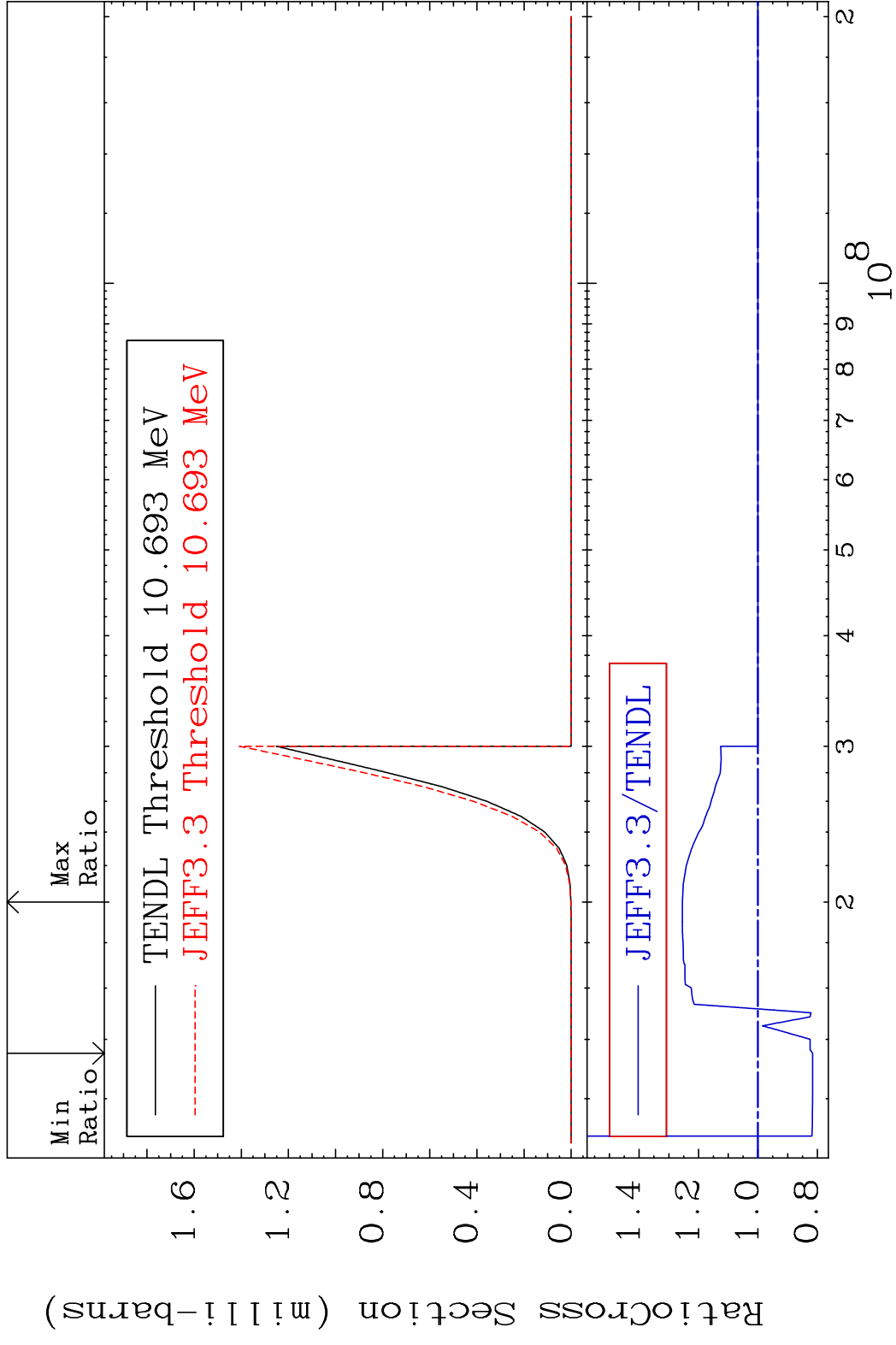
MAT 3640 (n, d) : 35-Br-82g 36-Kr-83  
 Radionuclide Production Cross Section 180.01 dth 12.32 %



MAT 3640 (n,d):35-Br-82m1 36-Kr-83  
 Radionuclide Production Cross Section 0.000 %







MAT 3640 (n, p) d:34-Se-81g 36-Kr-83  
 Radionuclide Production Cross Section 196.2 %

