

Program Complot  
(Version 2021-1)

by

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(Present Contact Information)

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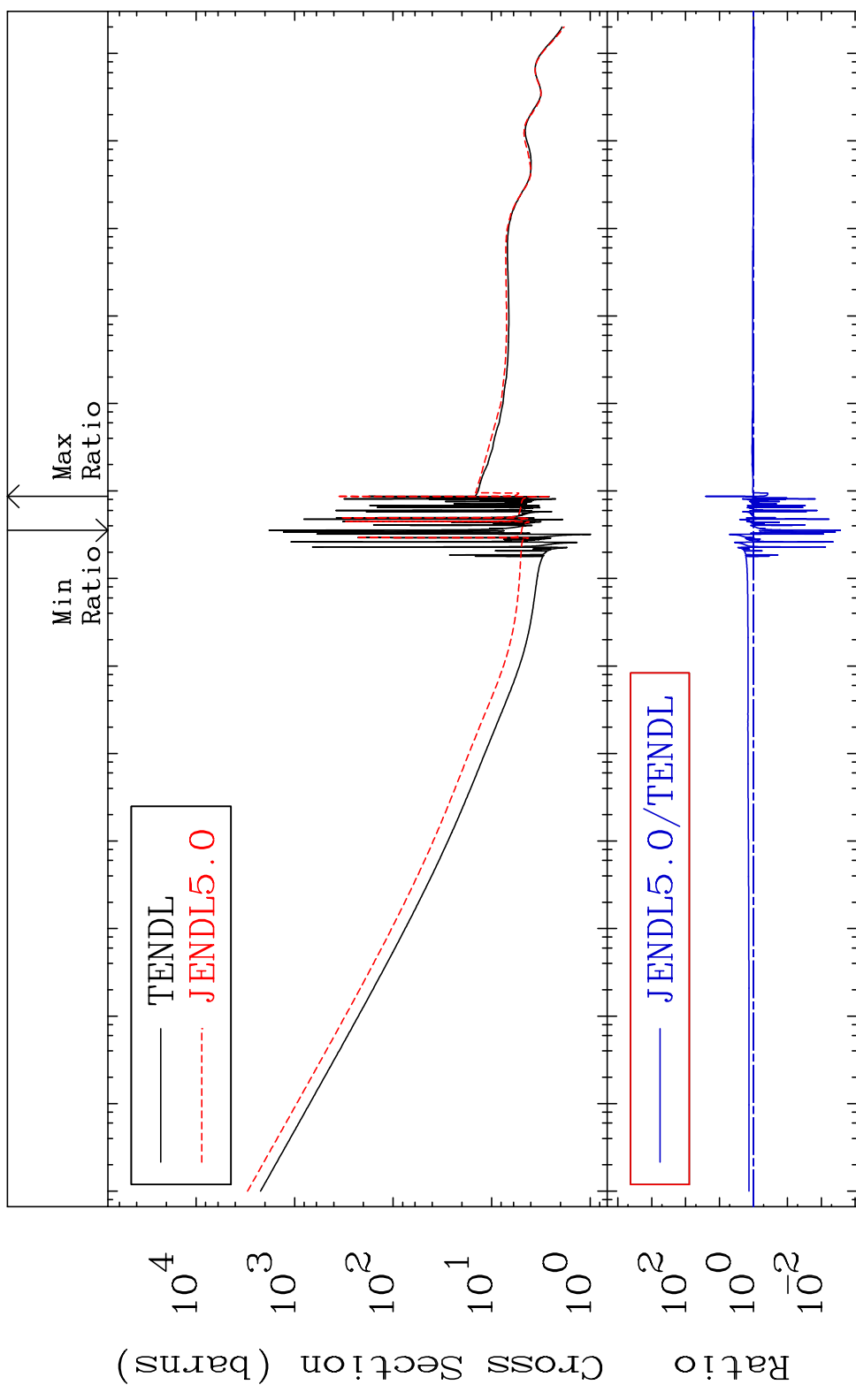
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E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 5034

Total Cross Section -99.73 To 2446. %  
50-Sn-115



Ratio  
Cross Section (barns)  
10<sup>4</sup>  
10<sup>3</sup>  
10<sup>2</sup>  
10<sup>1</sup>  
10<sup>0</sup>  
10<sup>-2</sup>  
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>

1 Incident Energy (eV) 50-Sn-115

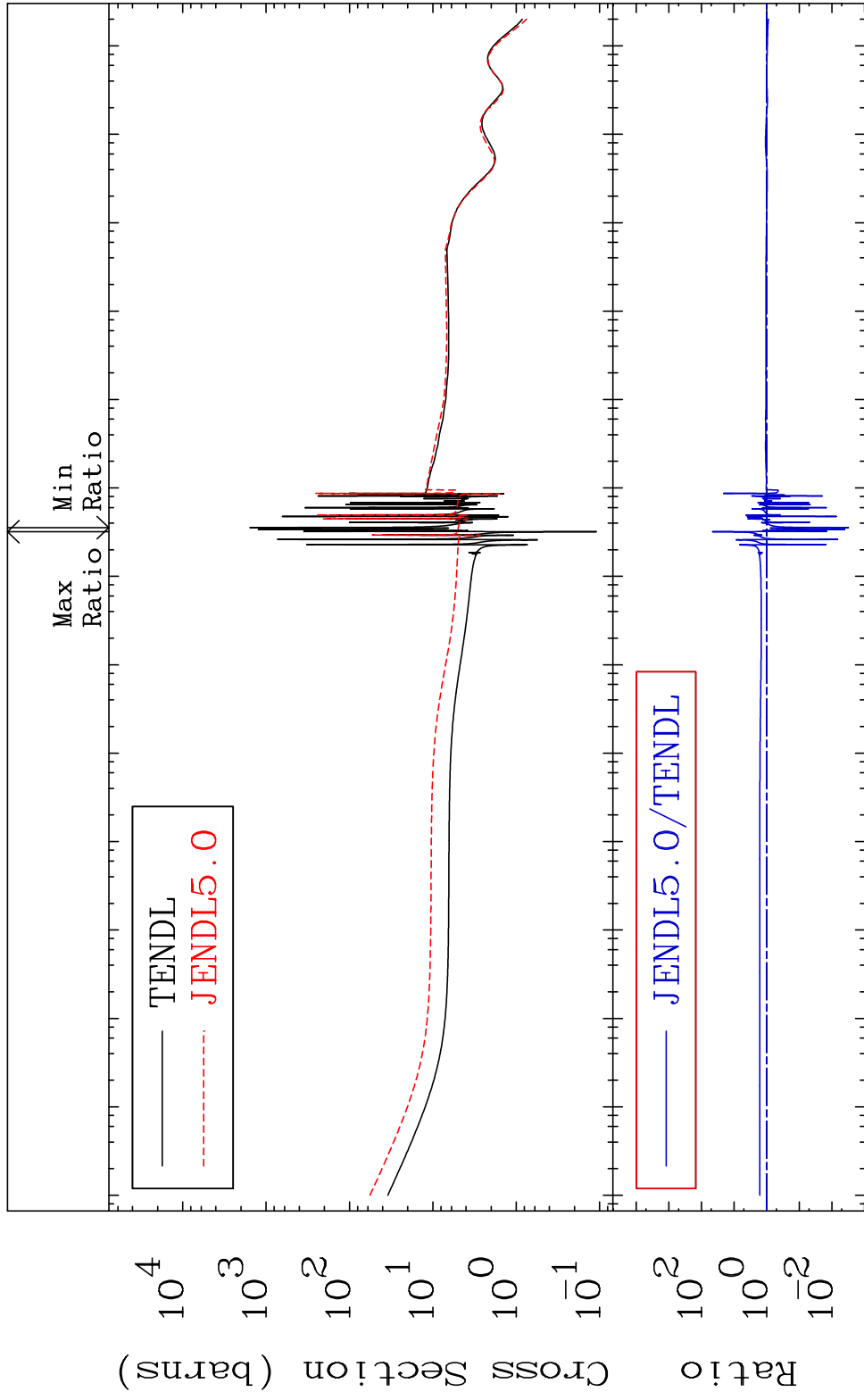
MAT 5034

Elastic

50-Sn-115

Cross Section

-99.68 To 4526. %

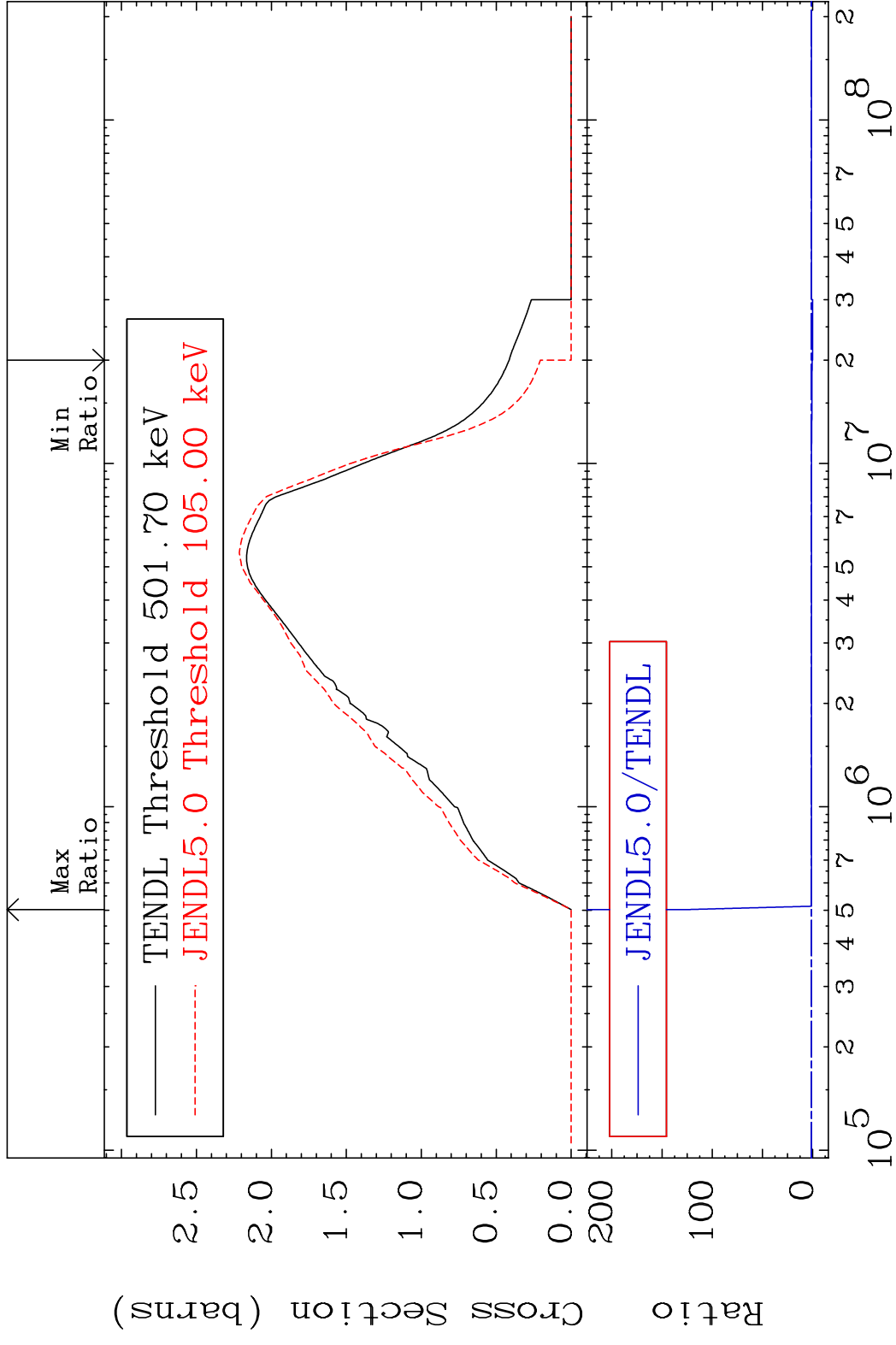


2

Incident Energy (eV)

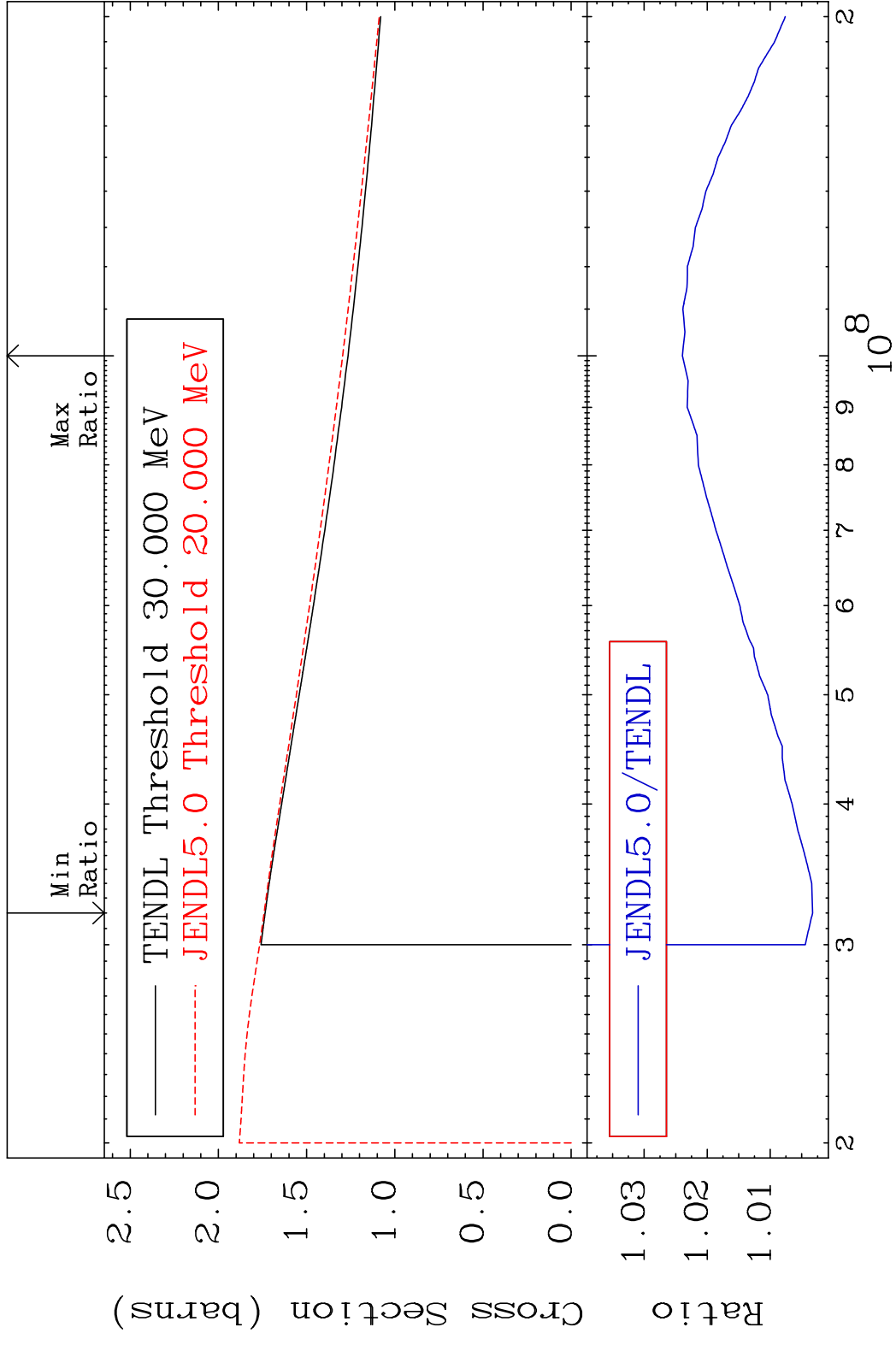
50-Sn-115

MAT 5034 Inelastic Cross Section -100.0 To 9999. % 50-Sn-115



3 Incident Energy (eV) 50-Sn-115

MAT 5034 (n, remainder) 50-Sn-115  
 Cross Section 0.329 To 2.394 %

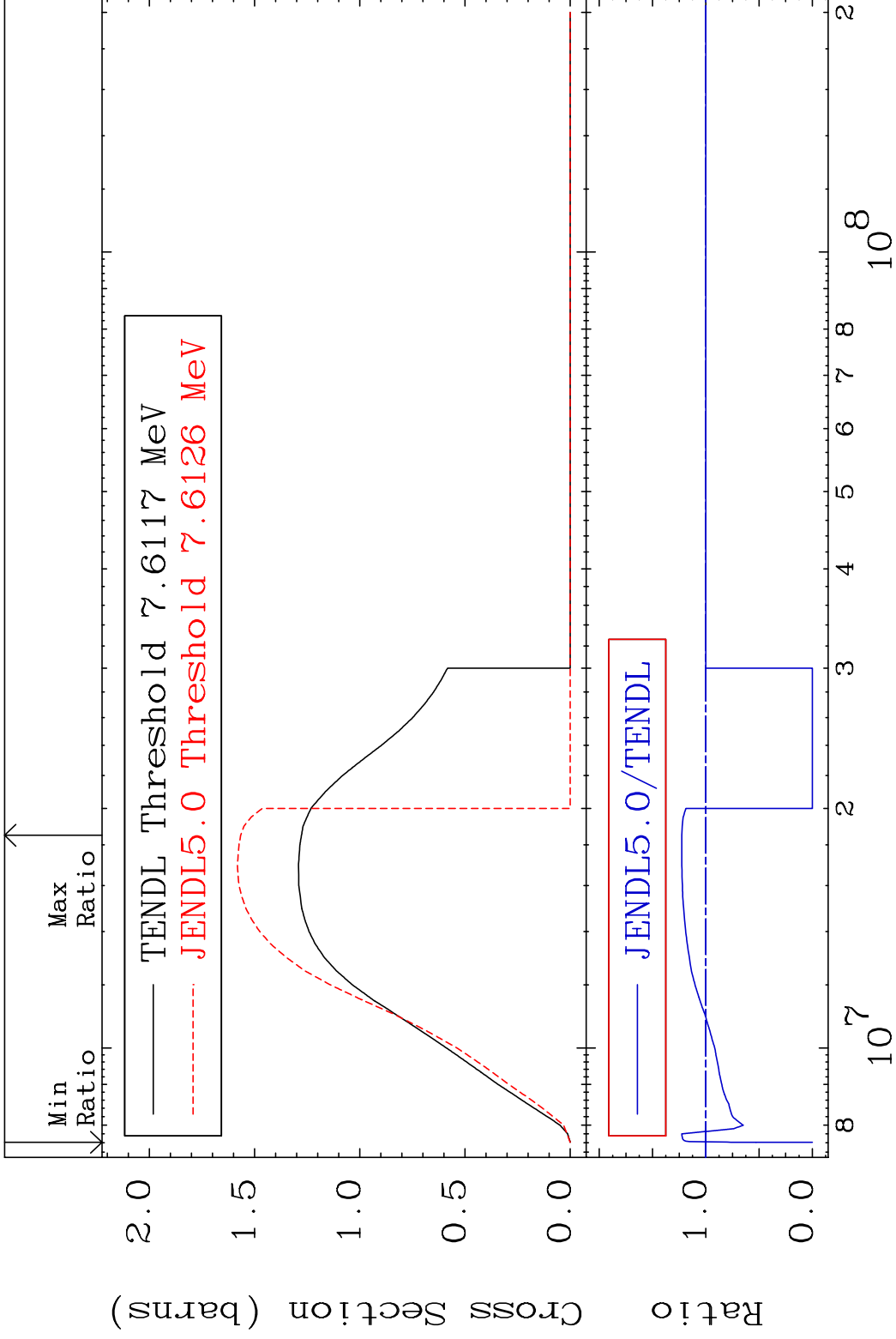


MAT 5034

(n,2n)

50-Sn-115

Cross Section -100.0 To 22.60 %

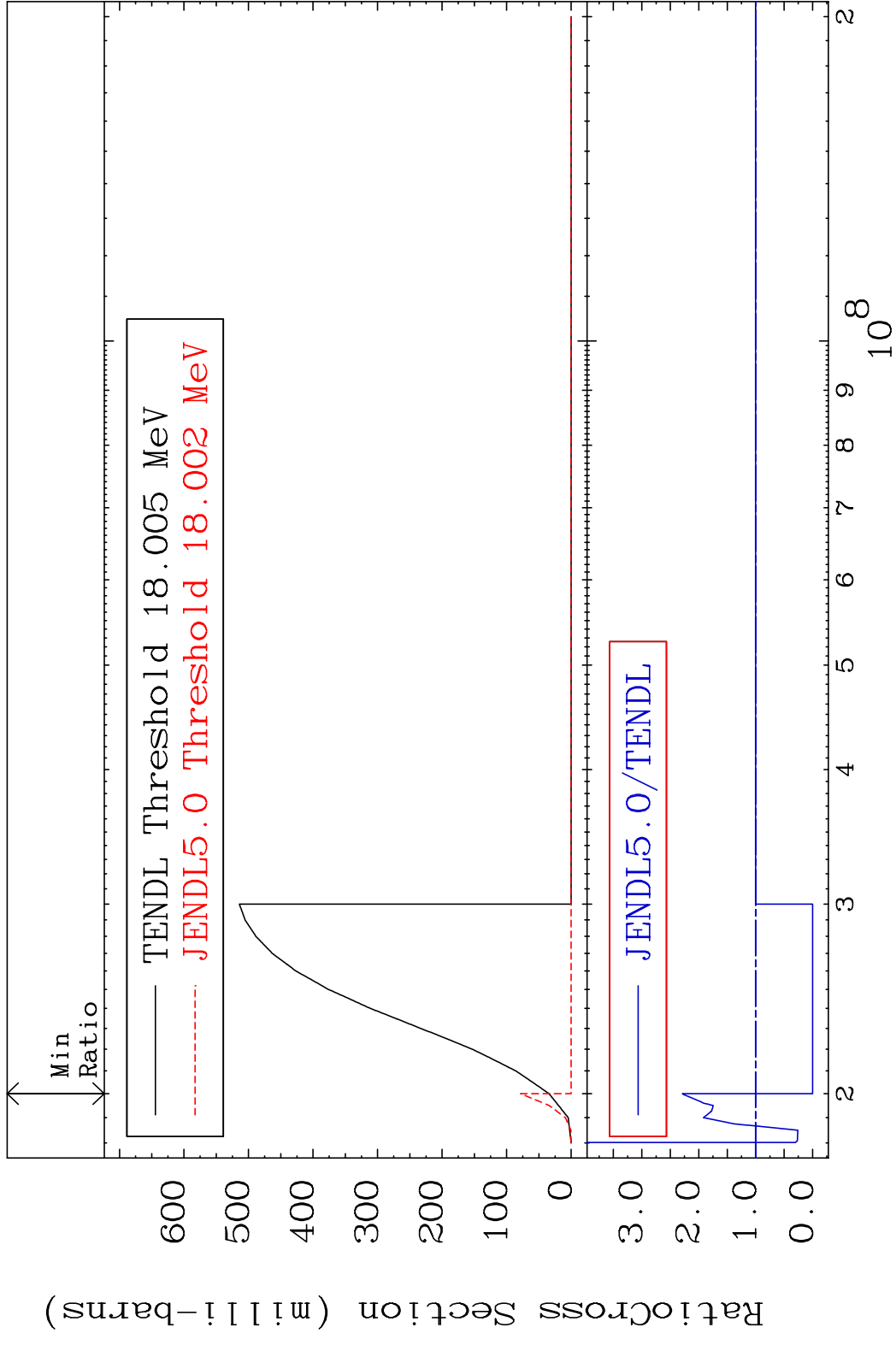


5

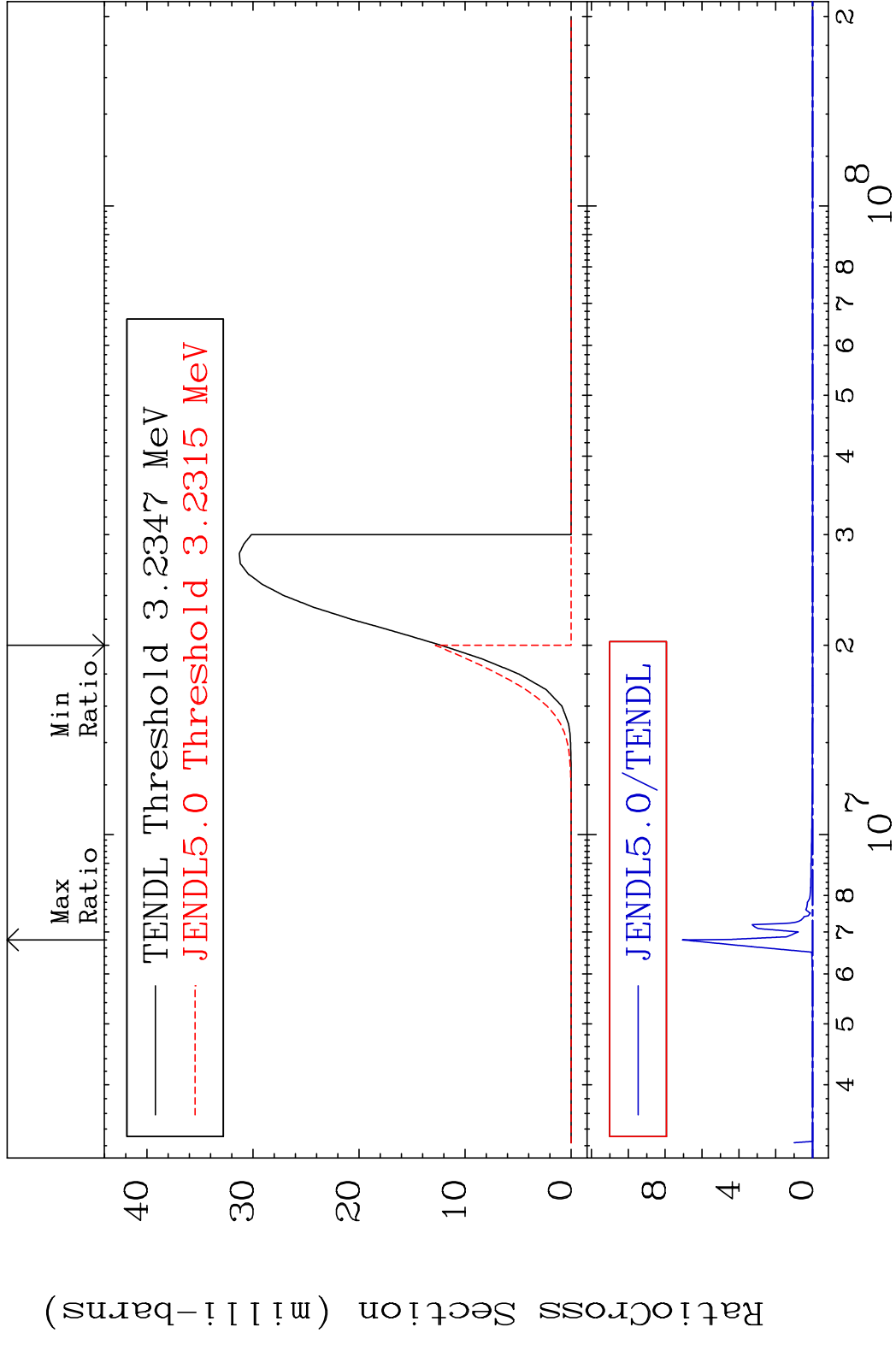
Incident Energy (eV)

50-Sn-115

MAT 5034 (n,3n) 50-Sn-115  
 Cross Section -100.0 To 128.8 %



MAT 5034 (n, n')  $\alpha$  50-Sn-115  
 Cross Section -100.0 To 9999. %

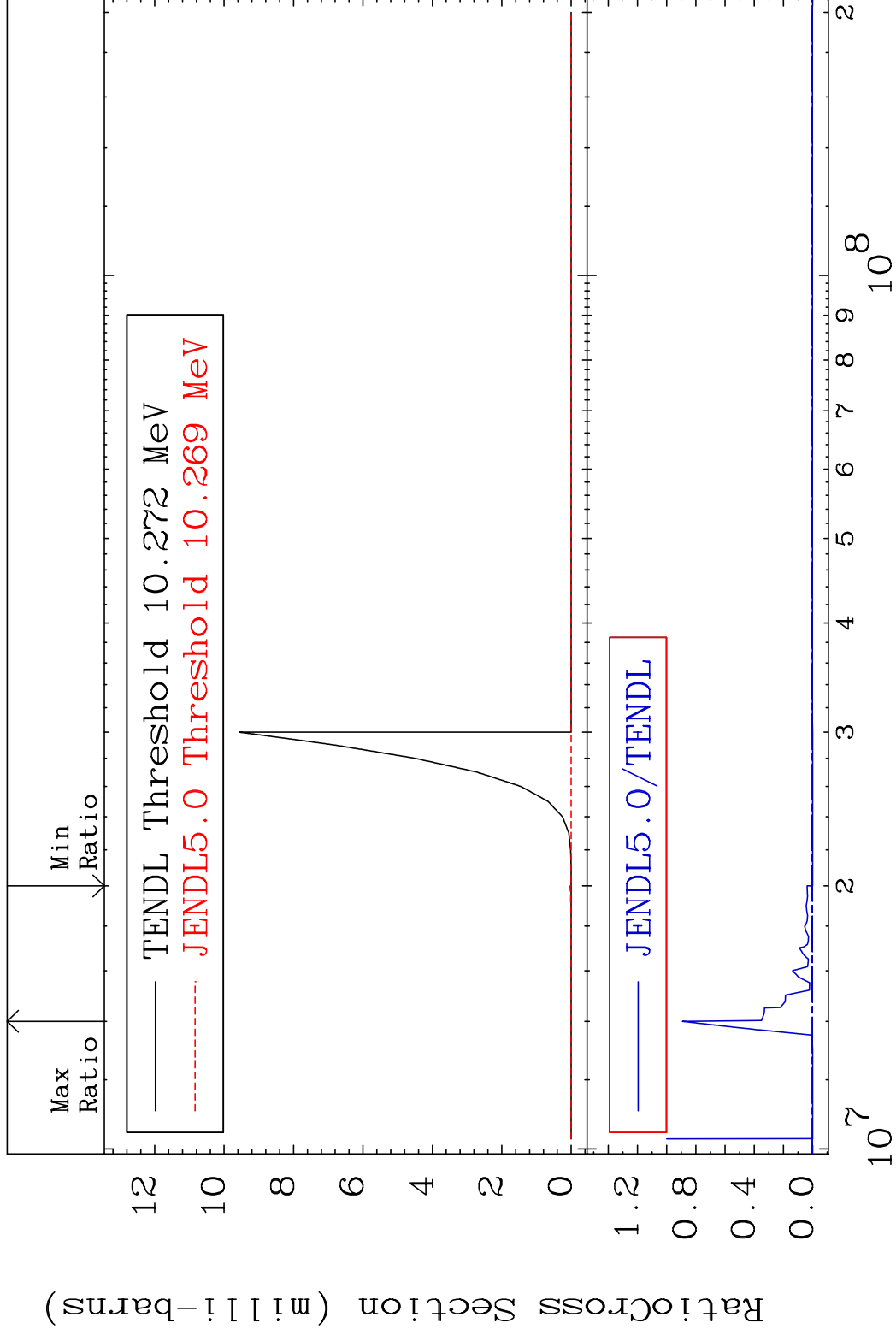


MAT 5034

(n,2n)  $\alpha$

50-Sn-115

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

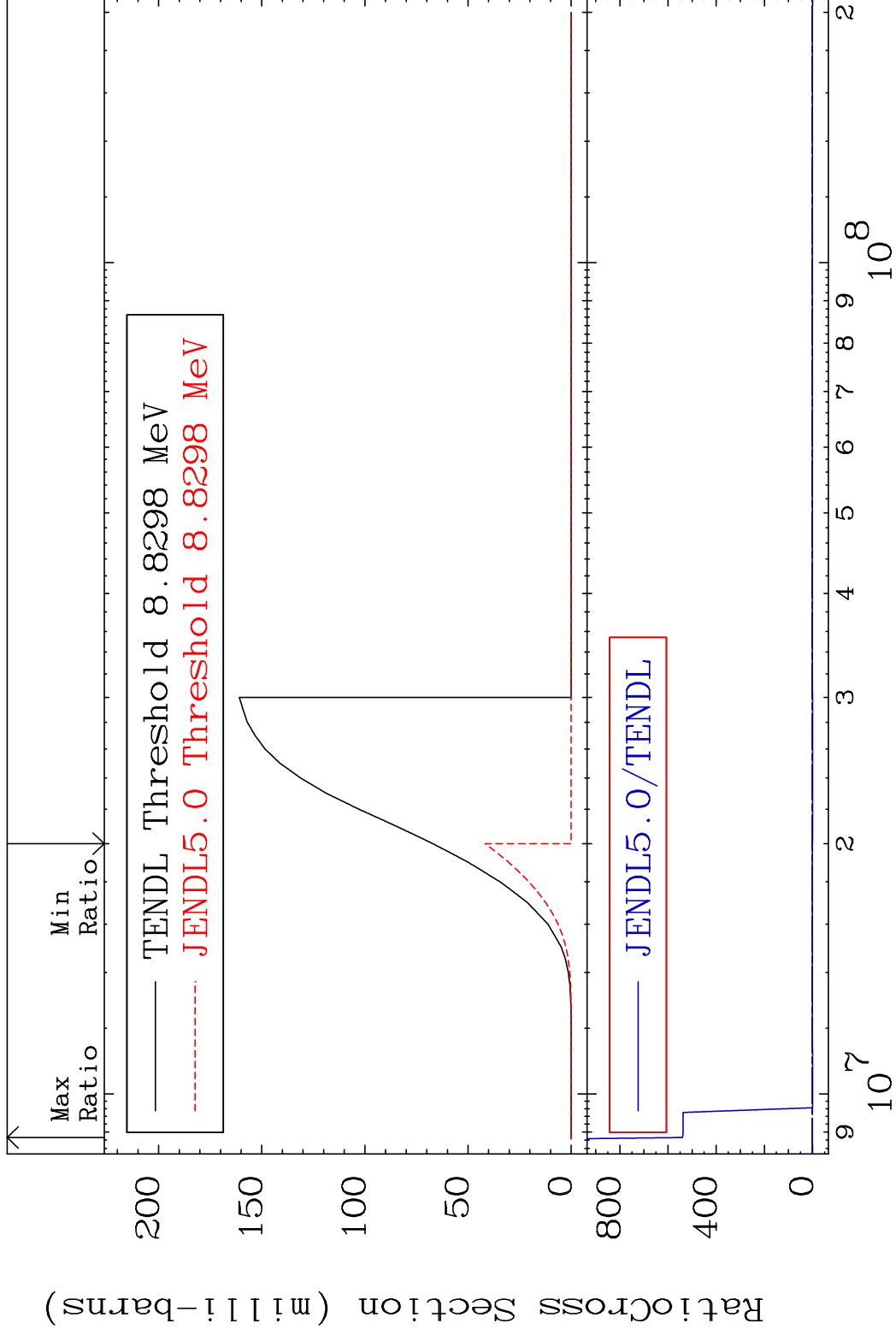
50-Sn-115

MAT 5034

(n,n') p

50-Sn-115

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

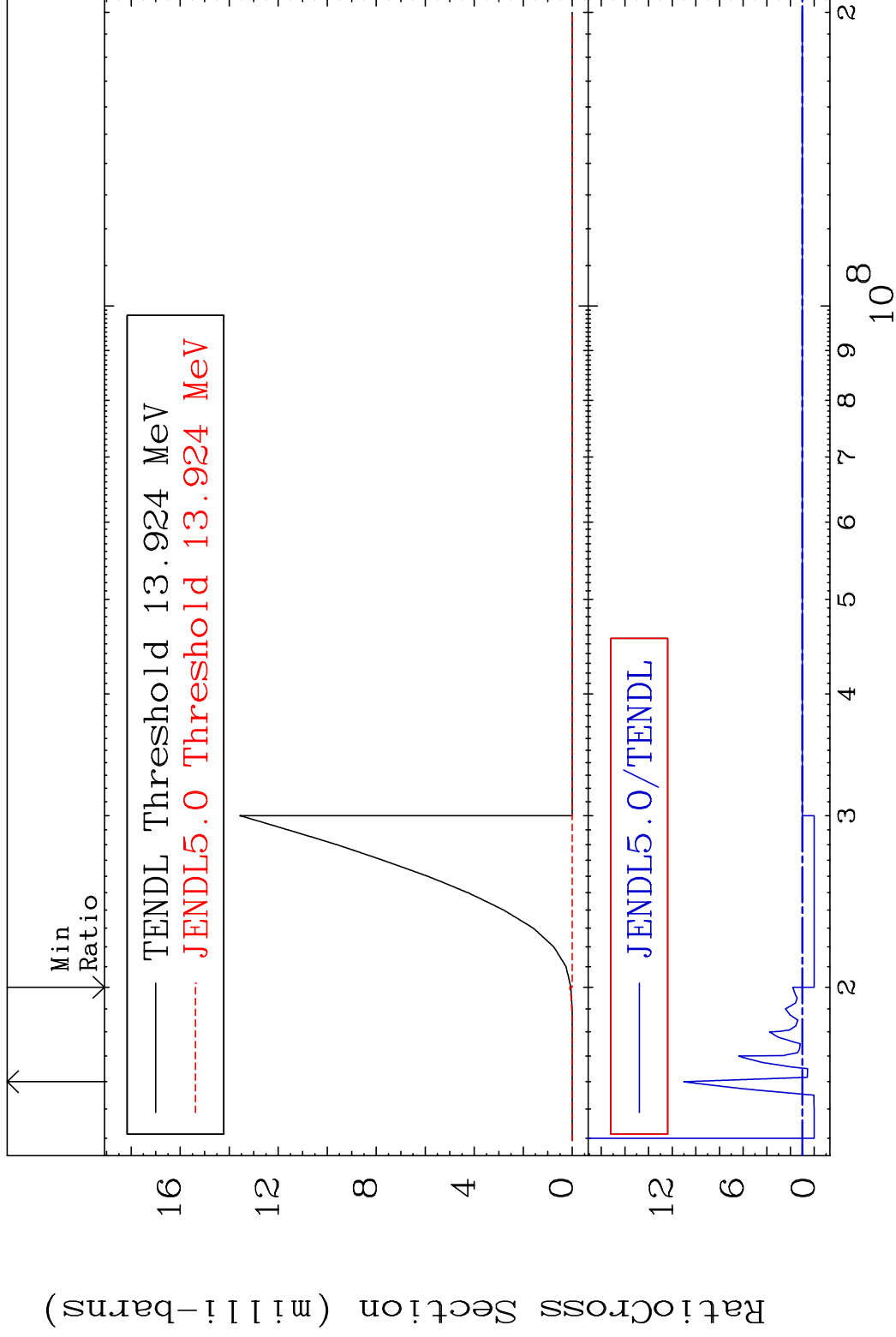
50-Sn-115

MAT 5034

(n, n') d

50-Sn-115

Cross Section -100.0 To 1003. %

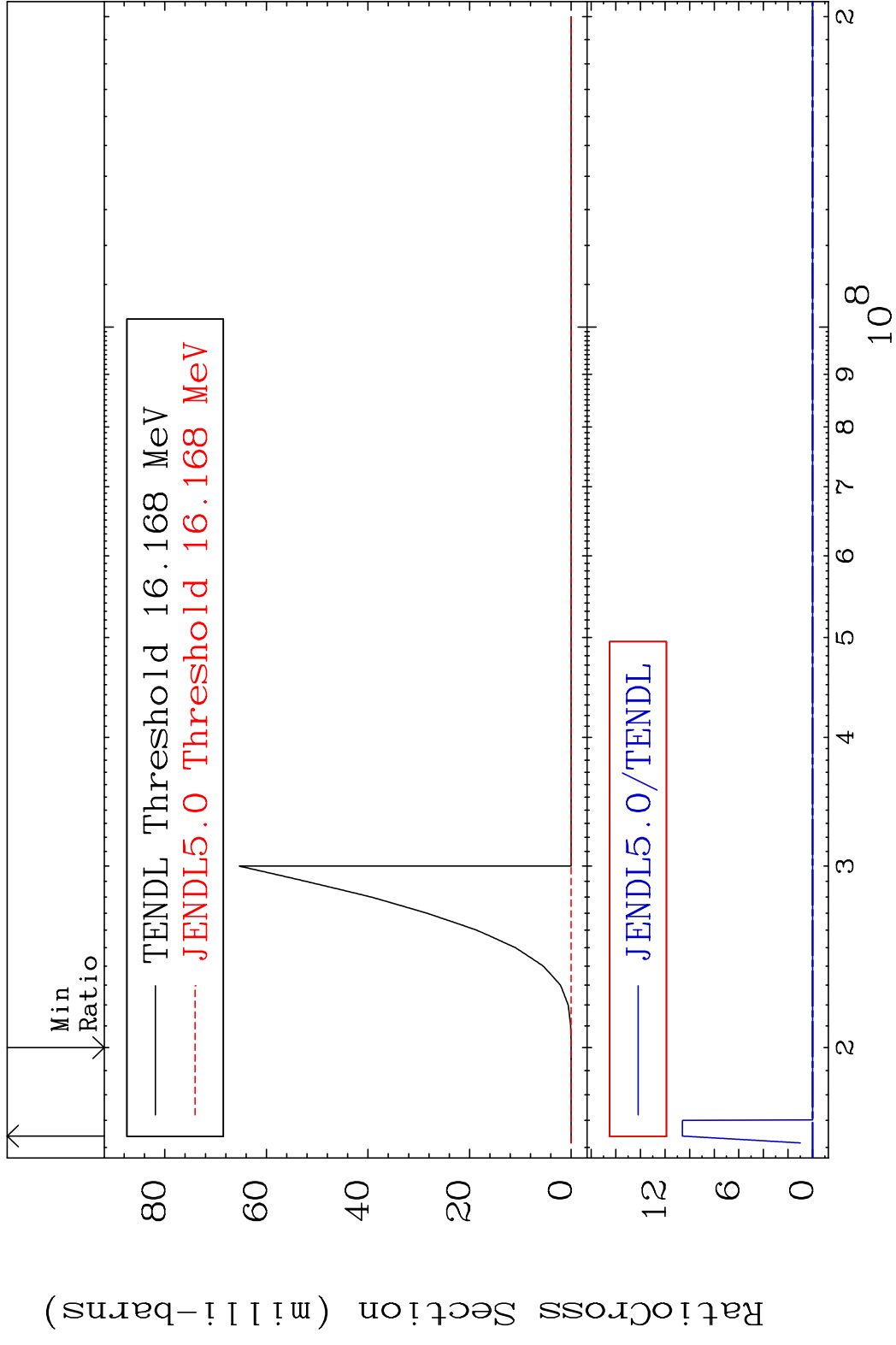


10

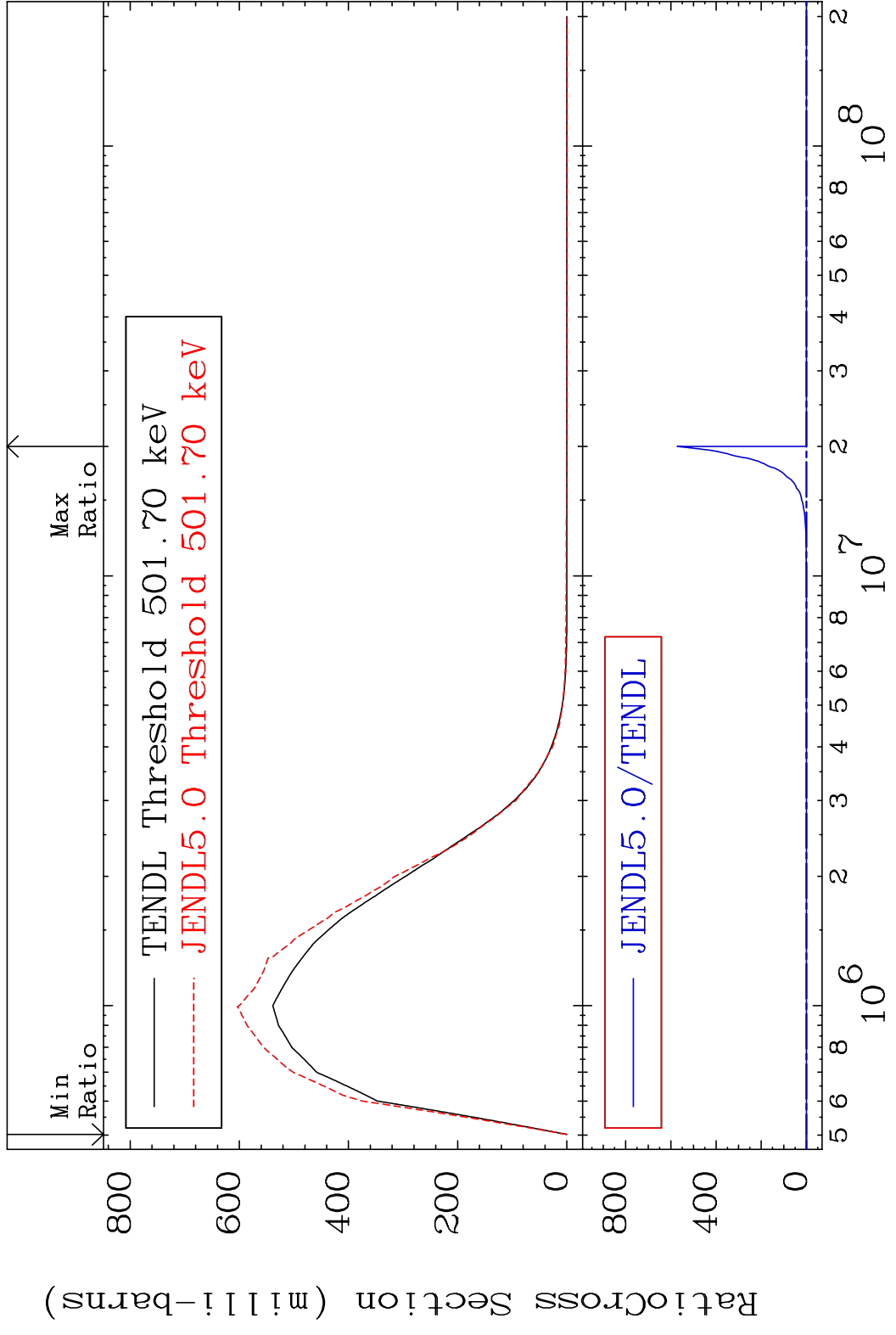
Incident Energy (eV)

50-Sn-115

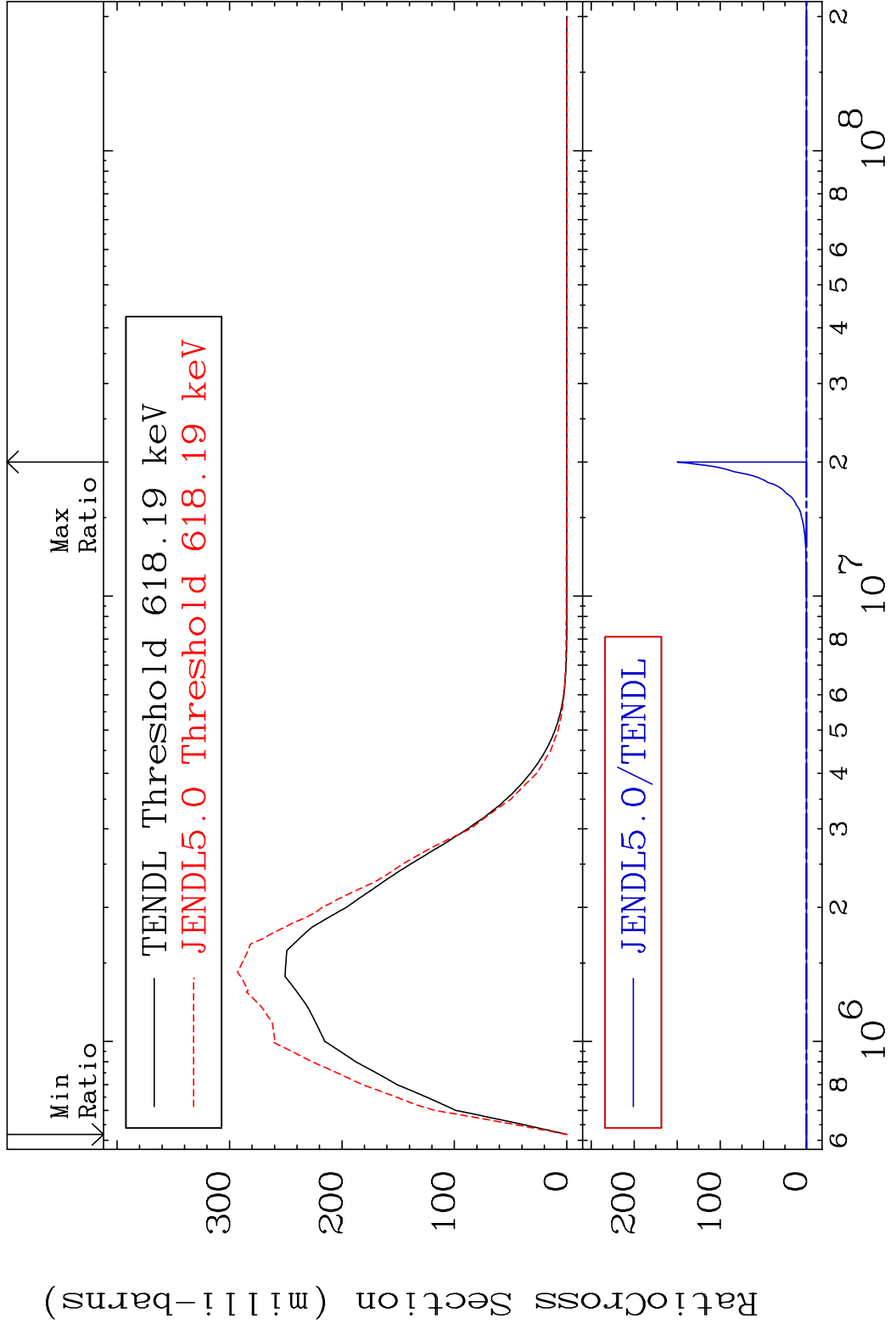
MAT 5034 (n,2n) p 50-Sn-115  
 Cross Section -100.0 To 9999. %



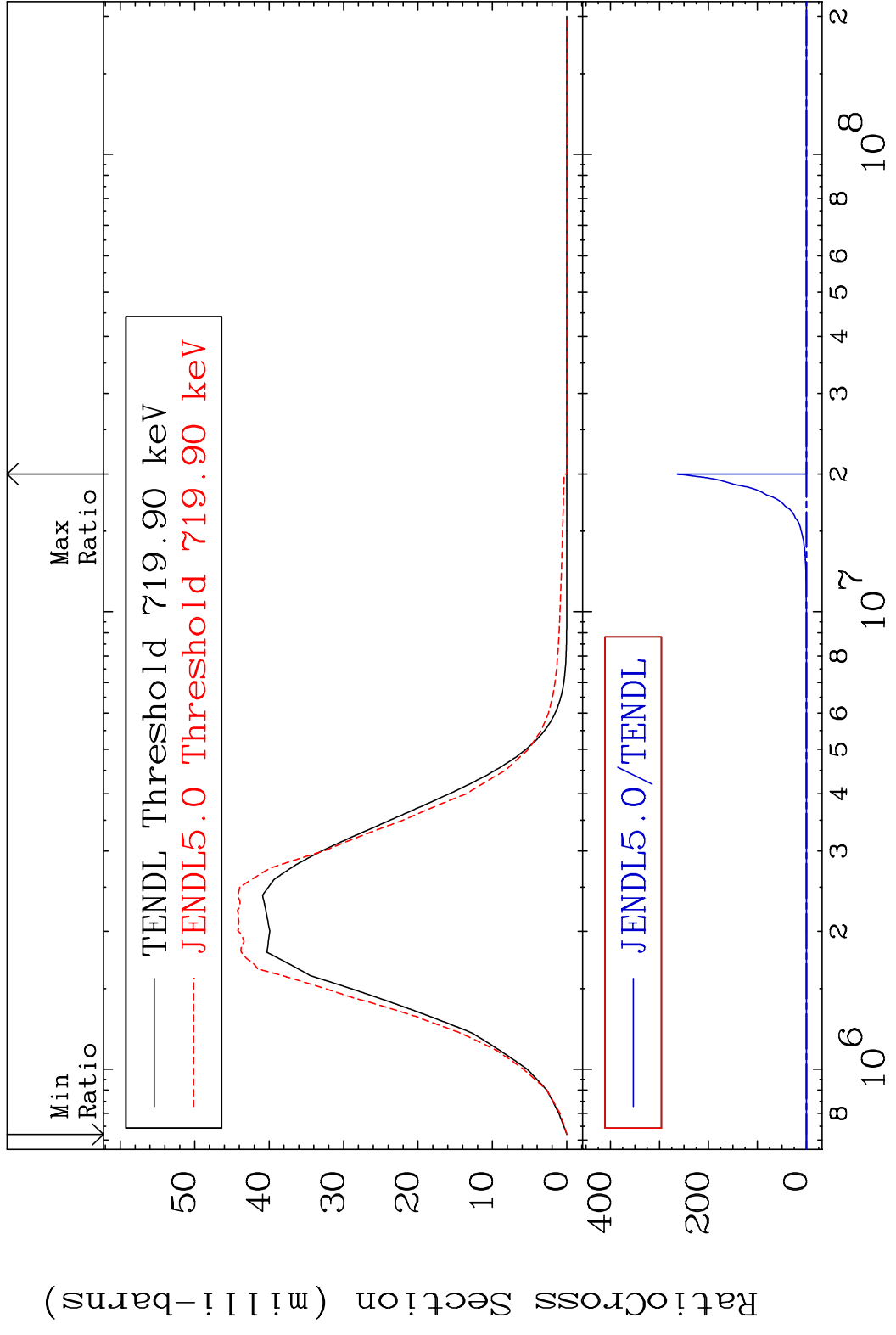
MAT 5034 MT= 51 (n, n') Level 50-Sn-115  
 Cross Section -100.0 To 9999. %



MAT 5034 MT= 52 (n, n') Level 50-Sn-115  
 Cross Section -100.0 To 9999. %

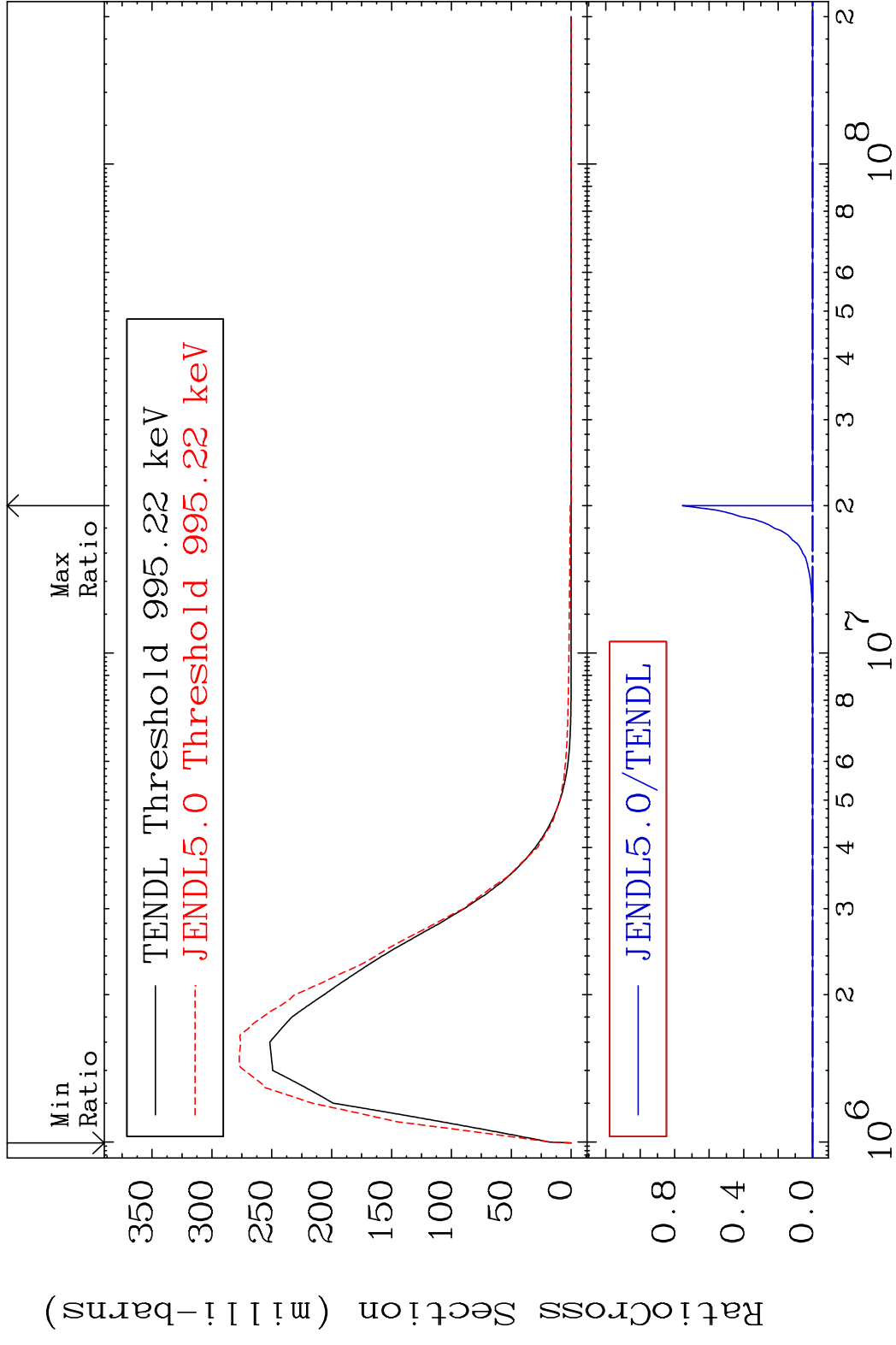


MAT 5034 MT= 53 (n, n') Level 50-Sn-115  
 Cross Section -100.0 To 9999. %



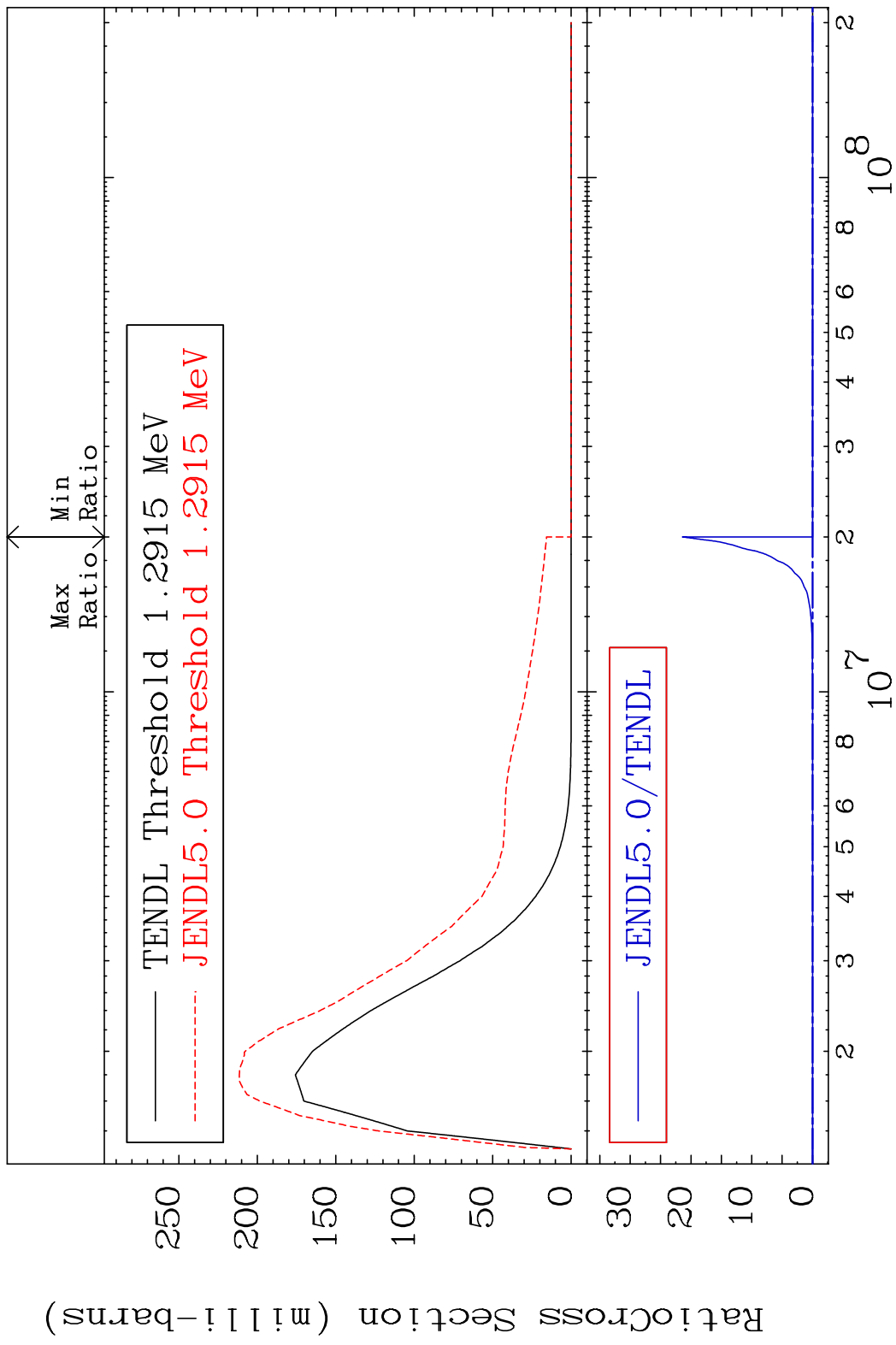
14 Incident Energy (eV) 50-Sn-115

MAT 5034 MT= 54 (n, n') Level 50-Sn-115  
 Cross Section -100.0 To 9999. %

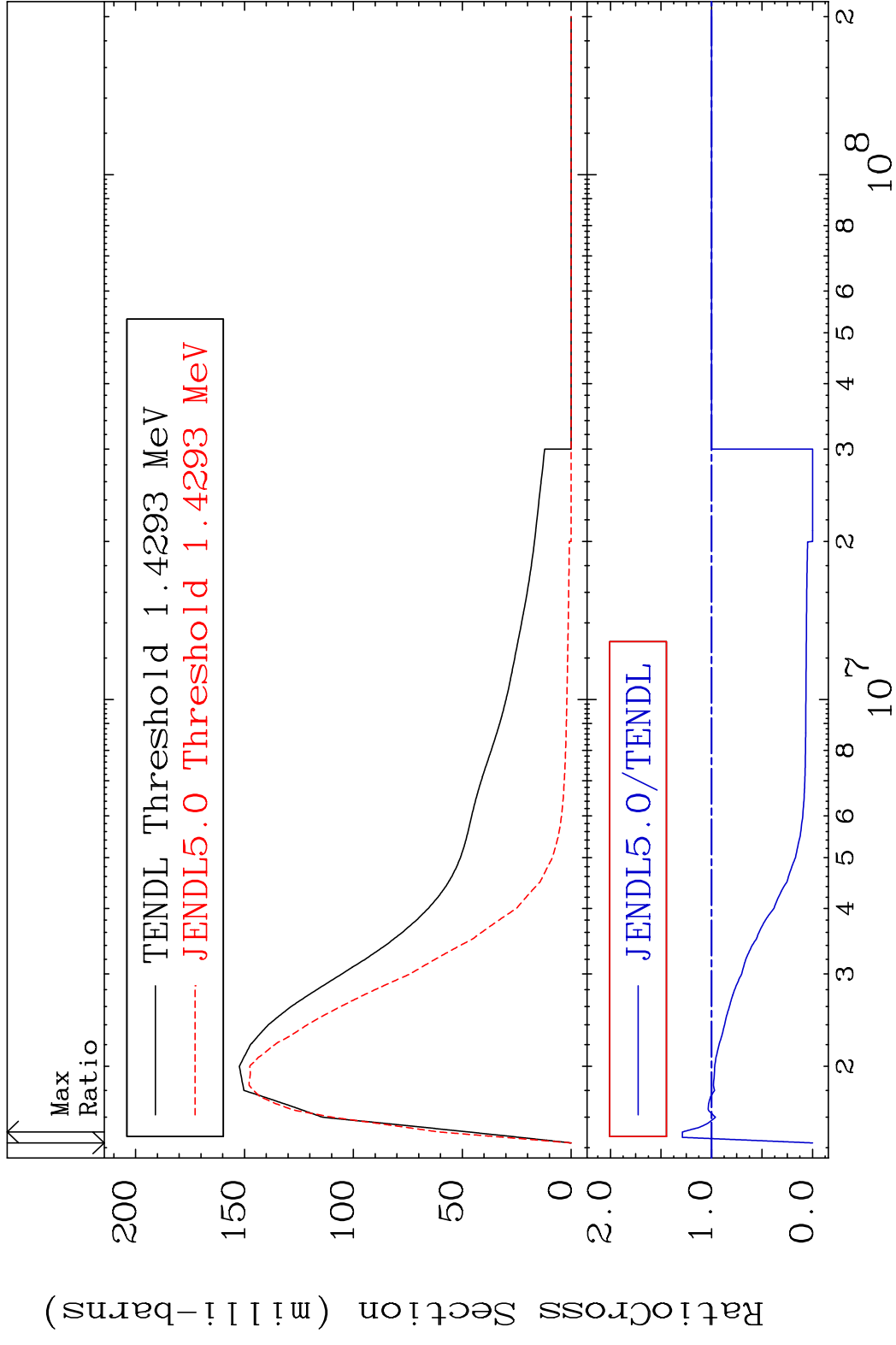


15 Incident Energy (eV) 50-Sn-115

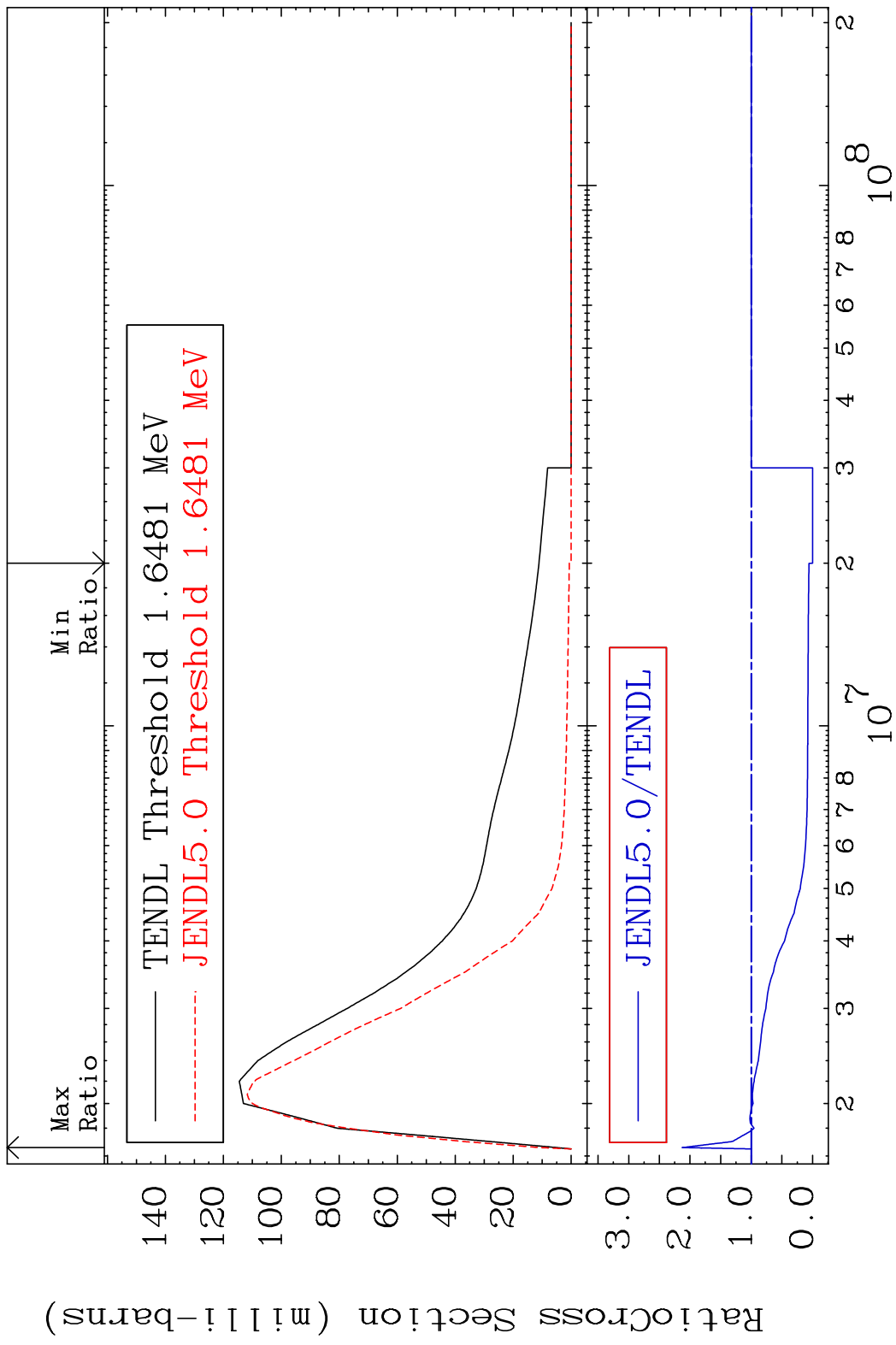
MAT 5034 MT= 55 (n, n') Level 50-Sn-115  
 Cross Section -100.0 To 9999. %



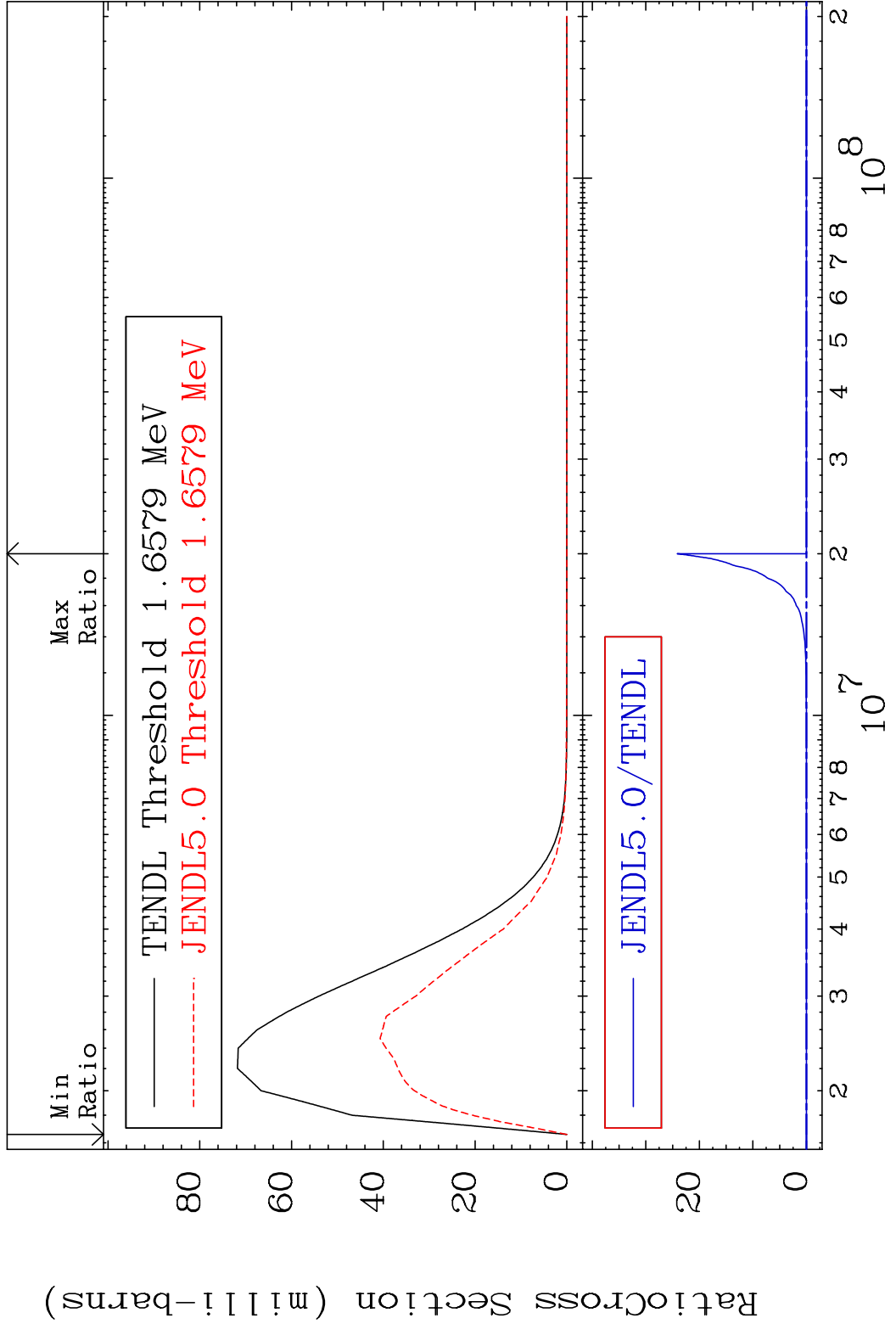
MAT 5034 MT= 56 (n,n') Level 50-Sn-115  
 Cross Section -100.0 To 28.85 %



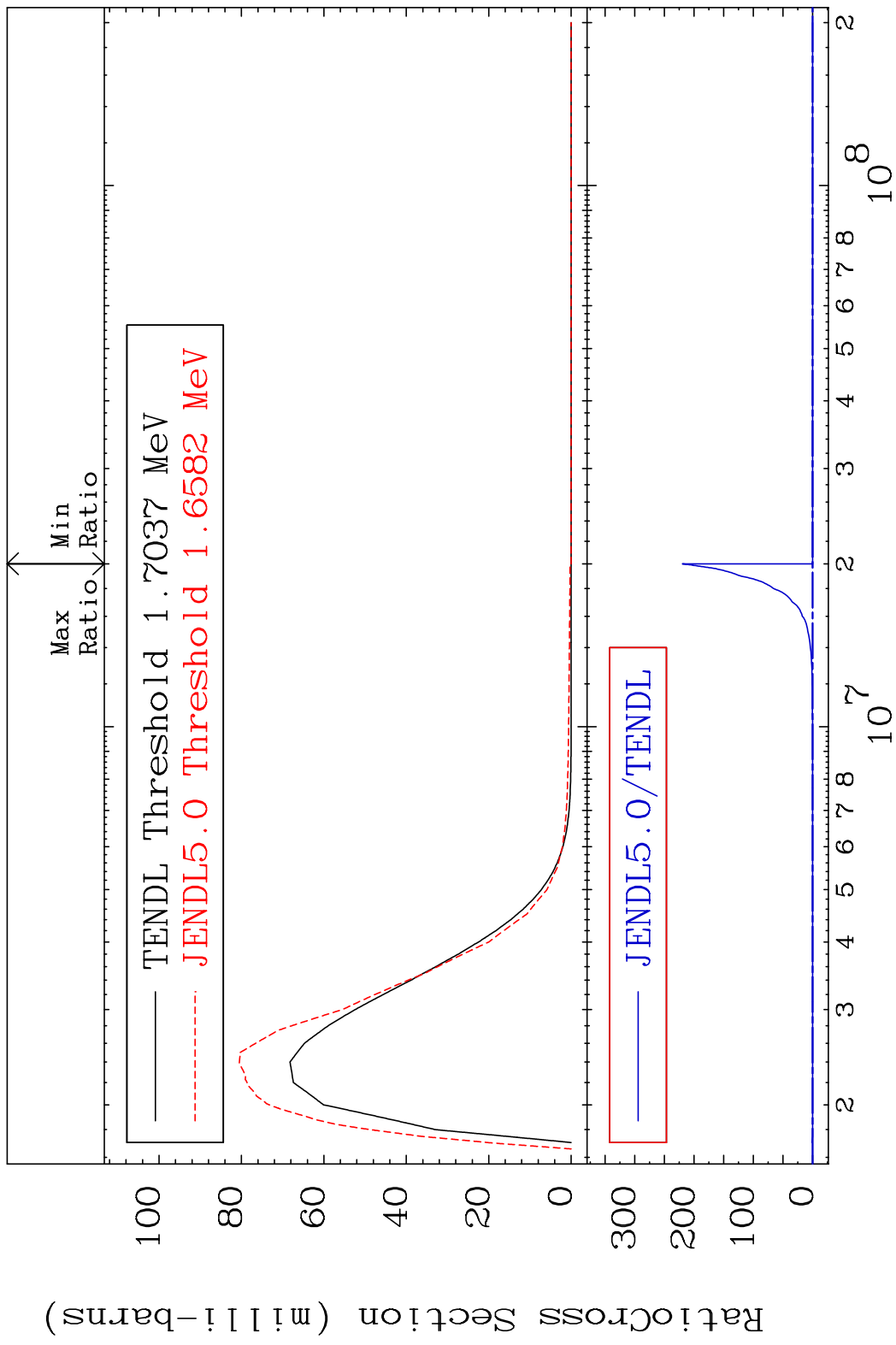
MAT 5034 MT= 57 (n, n') Level 50-Sn-115  
 Cross Section -100.0 To 112.5 %



MAT 5034 MT= 58 (n, n') Level 50-Sn-115  
 Cross Section -100.0 To 9999. %

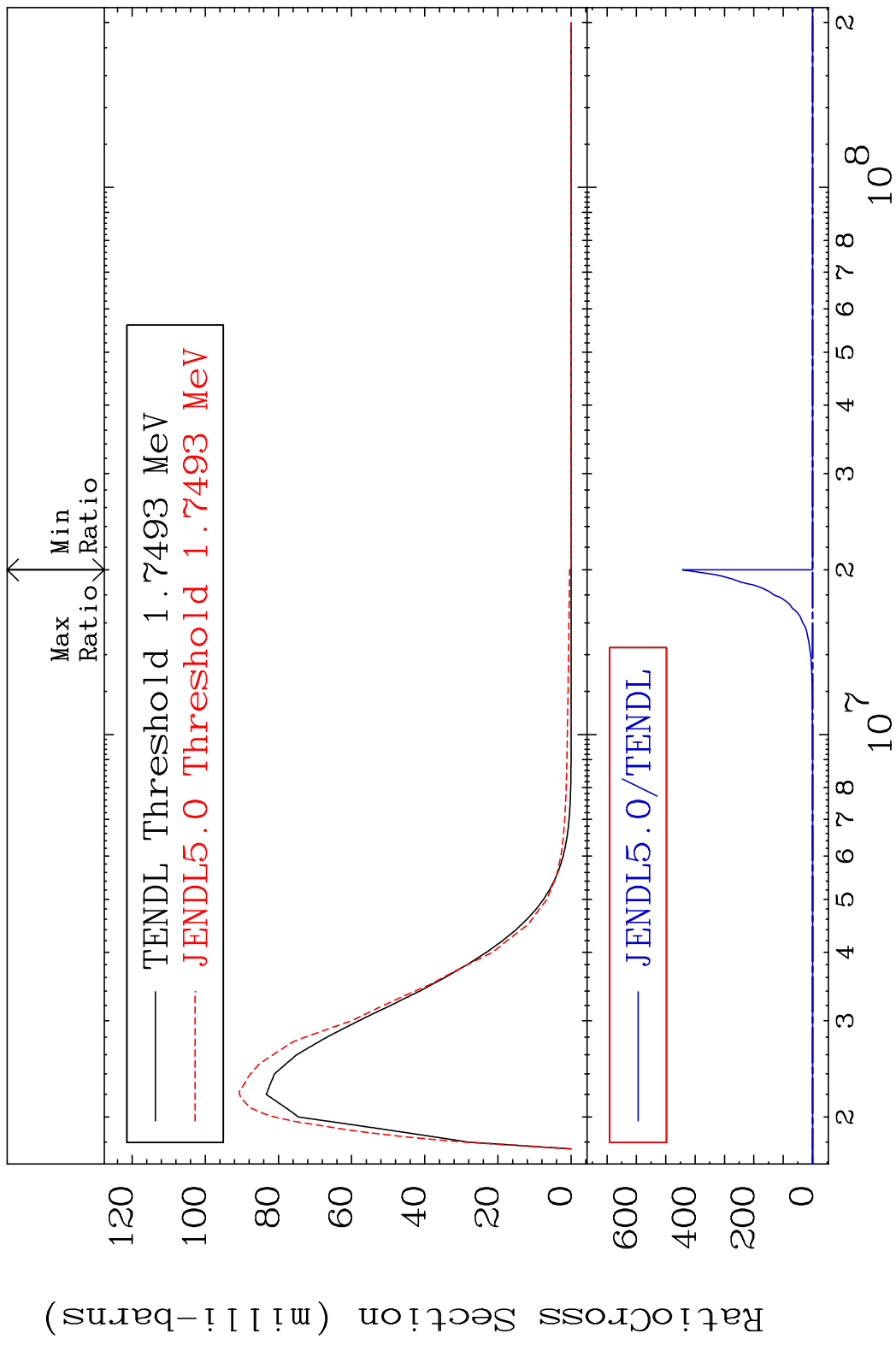


MAT 5034 MT= 59 (n, n') Level 50-Sn-115  
 Cross Section -100.0 To 9999. %

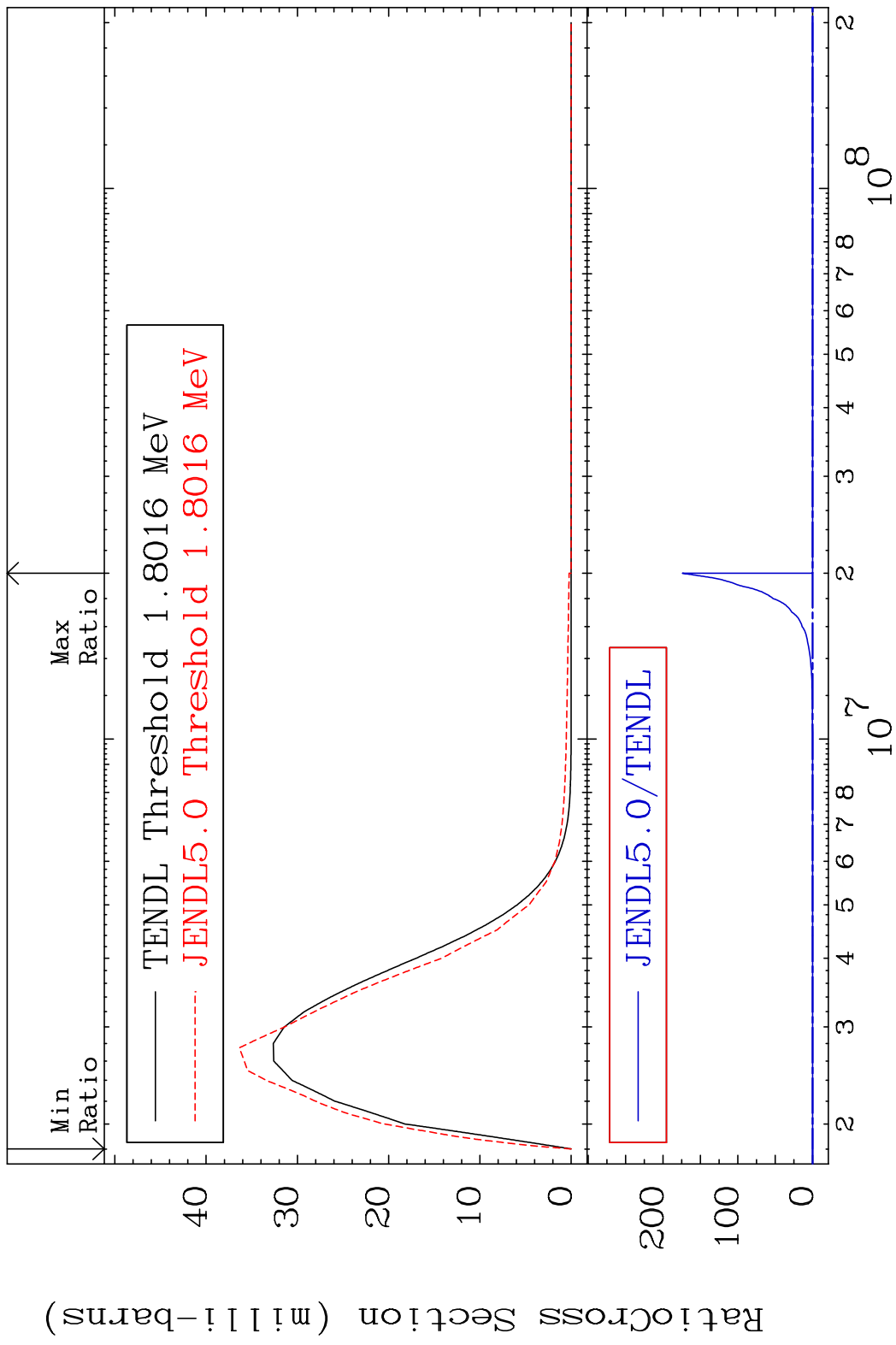


20 20 50-Sn-115

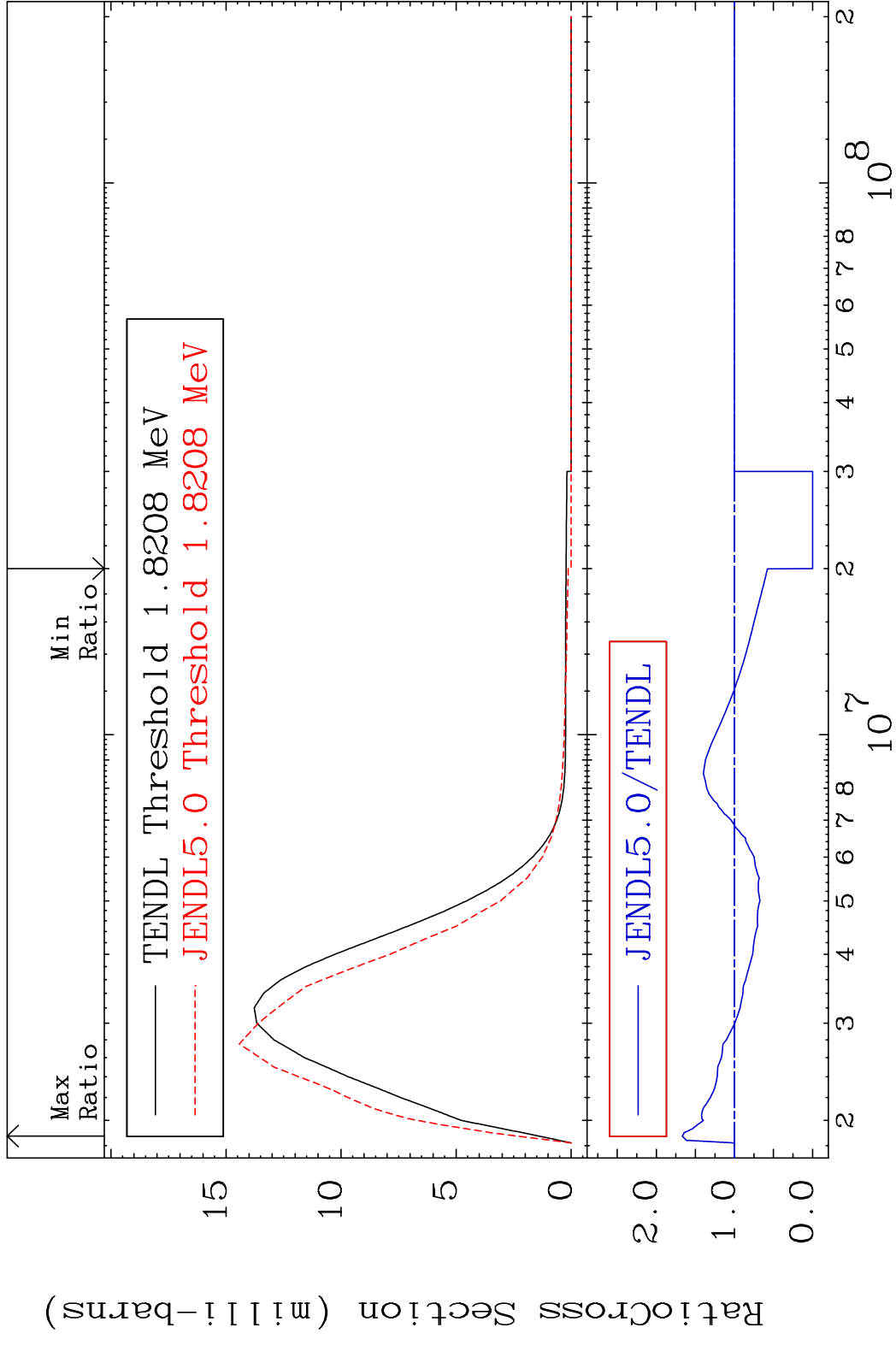
MAT 5034 MT= 60 (n, n') Level 50-Sn-115  
 Cross Section -100.0 To 9999. %



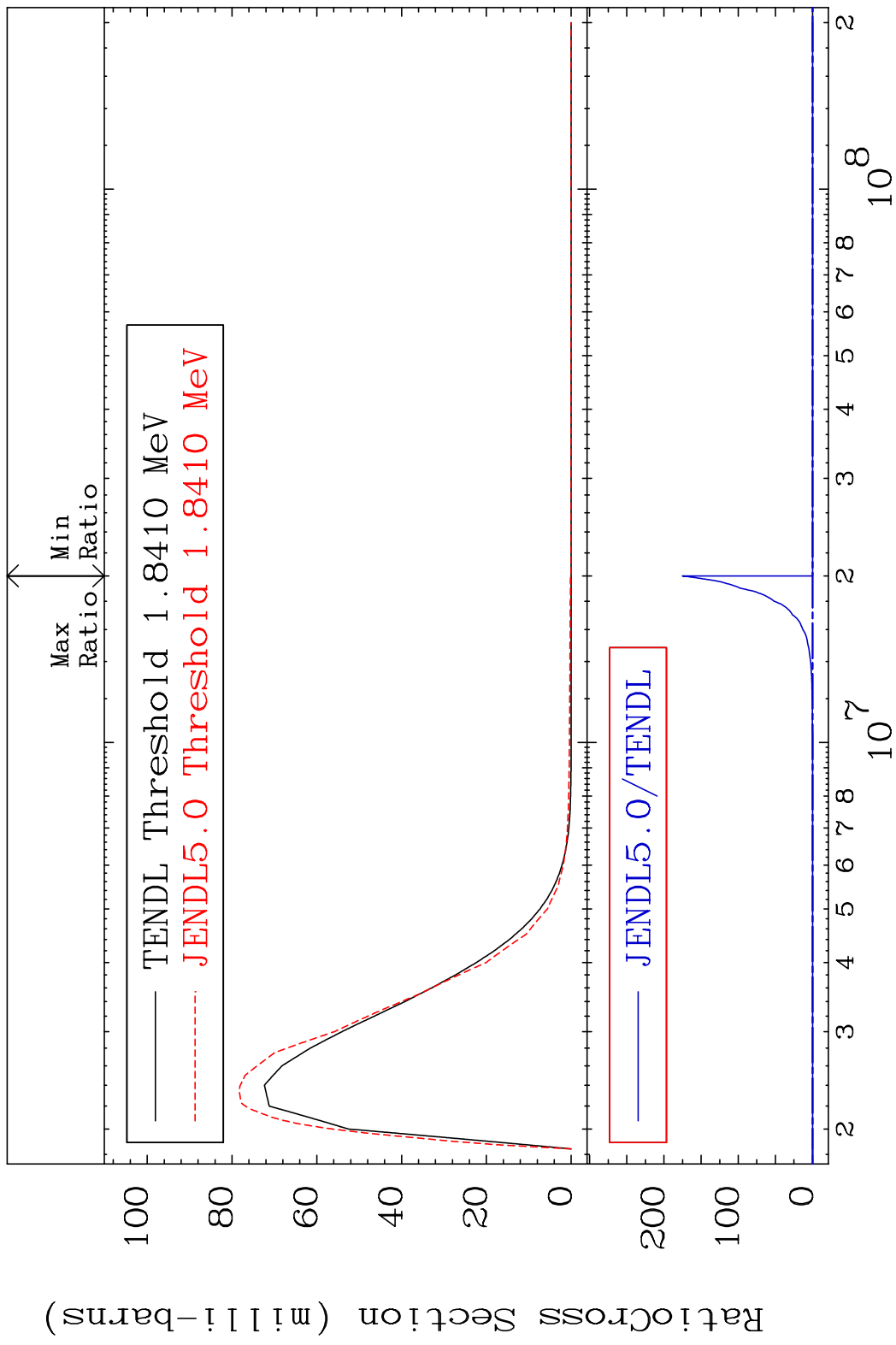
MAT 5034 MT= 61 (n, n') Level 50-Sn-115  
 Cross Section -100.0 To 9999. %



MAT 5034 MT= 62 (n, n') Level 50-Sn-115  
 Cross Section -100.0 To 66.65 %

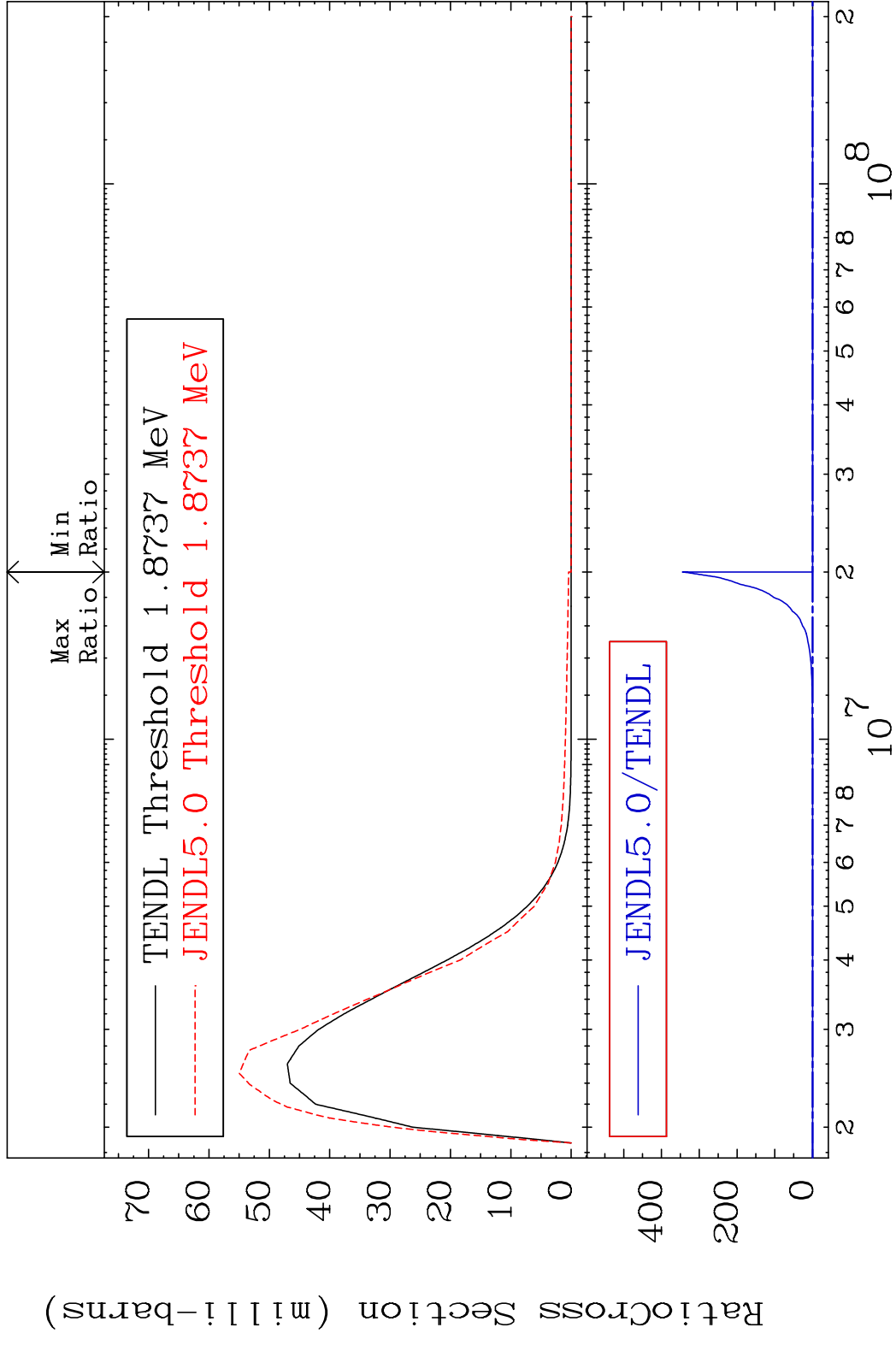


MAT 5034 MT= 63 (n, n') Level 50-Sn-115  
 Cross Section -100.0 To 9999. %

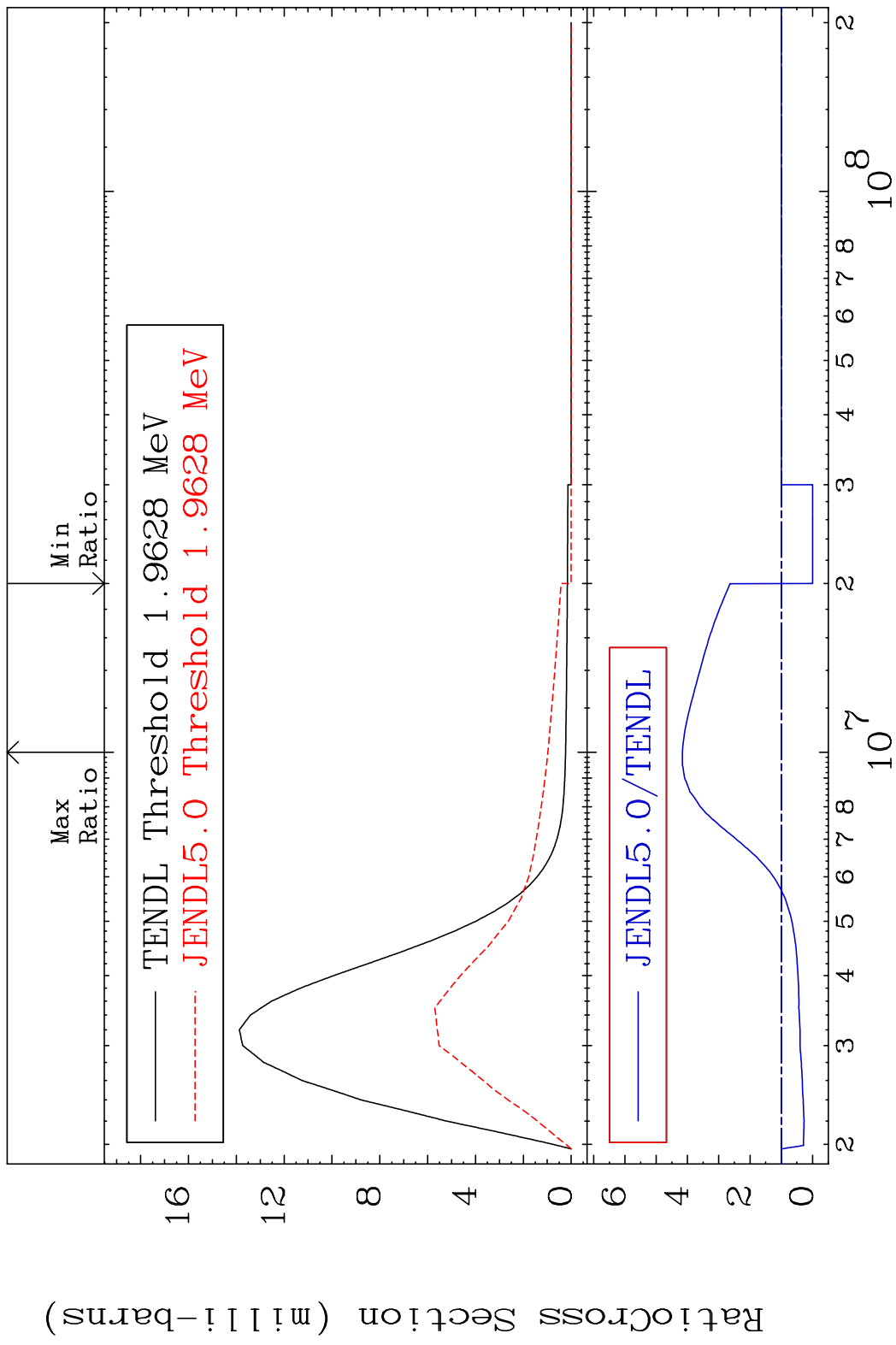


24 Incident Energy (eV) 50-Sn-115

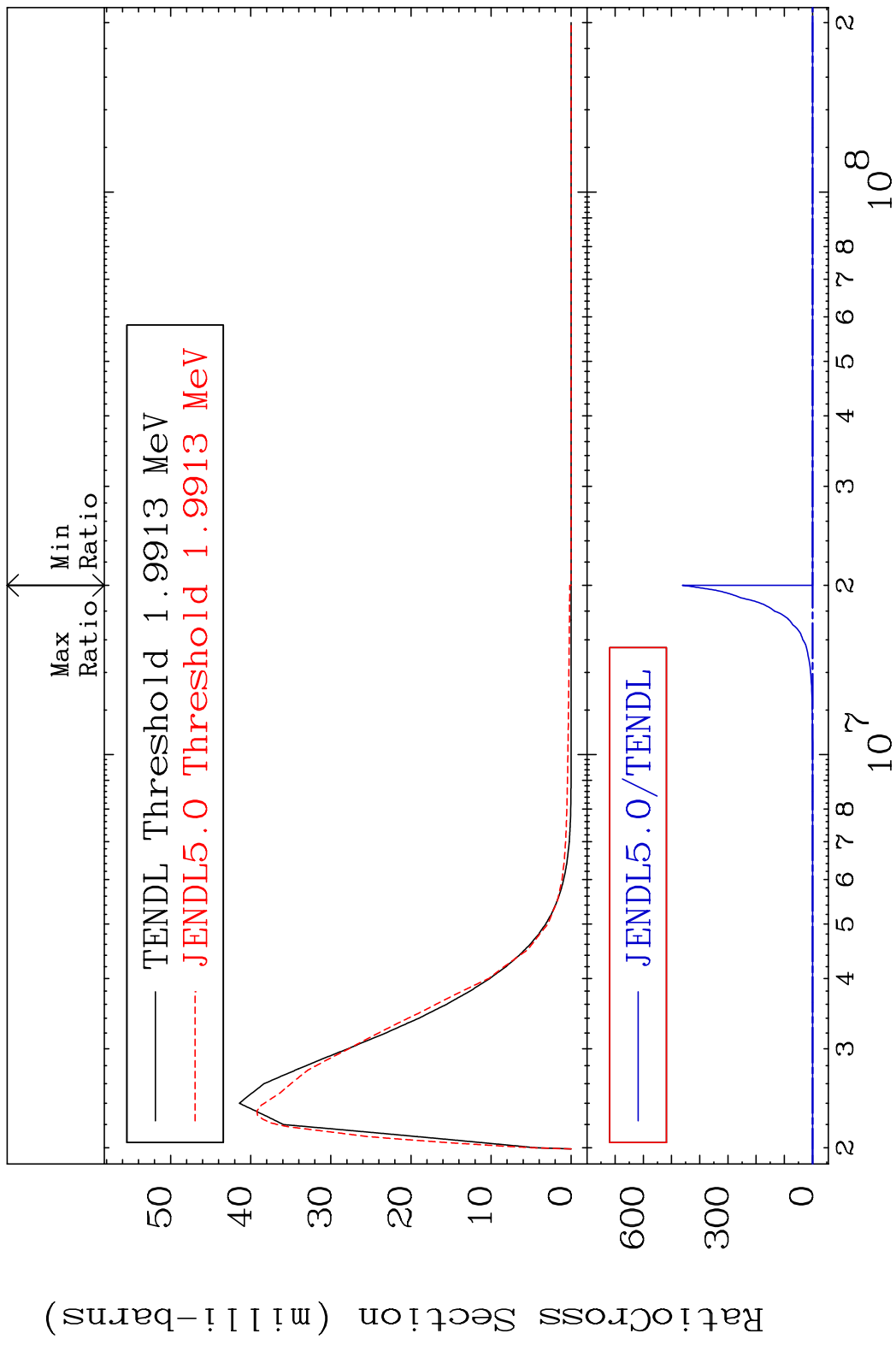
MAT 5034 MT= 64 (n, n') Level 50-Sn-115  
 Cross Section -100.0 To 9999. %



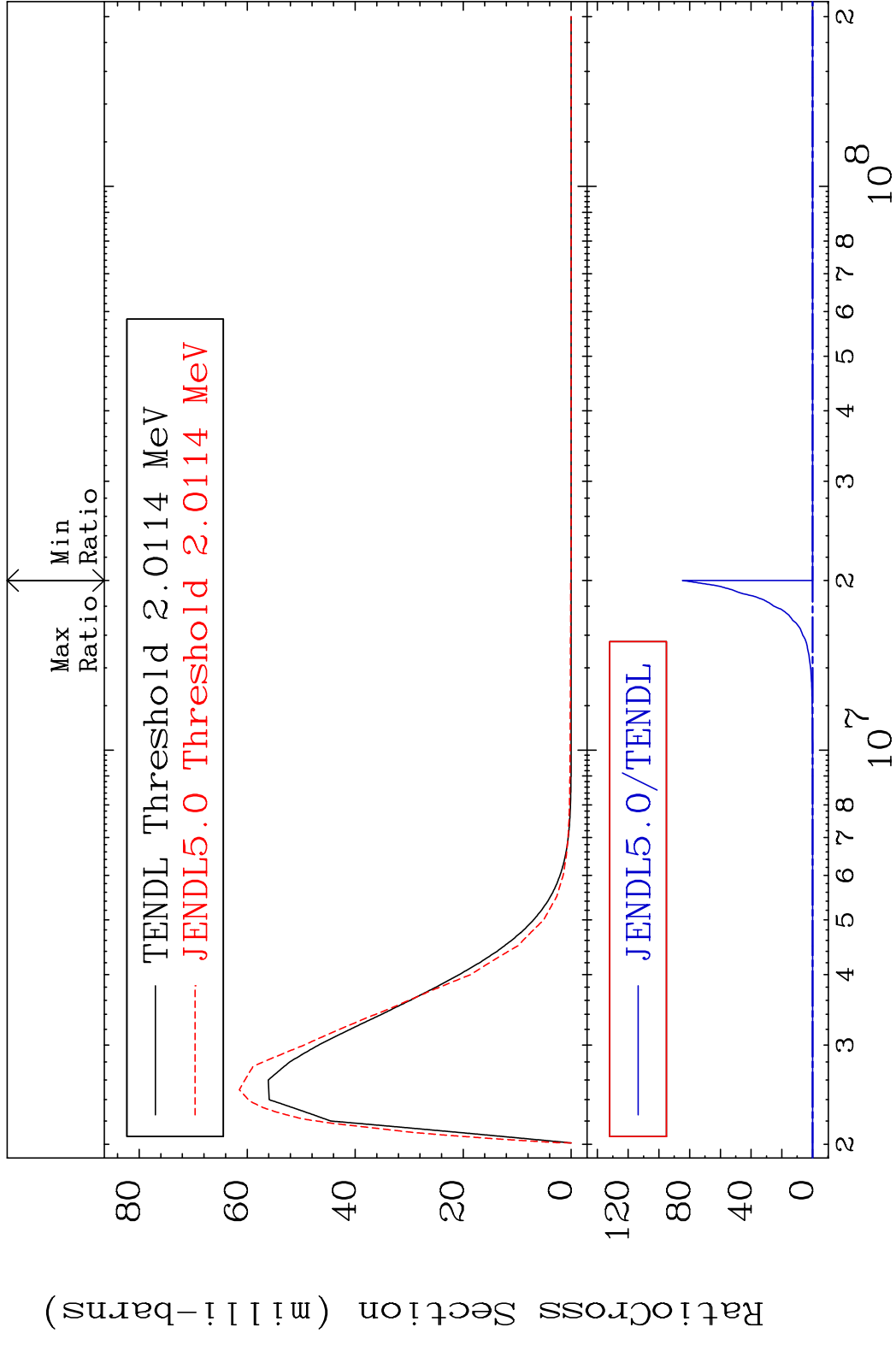
MAT 5034 MT= 65 (n, n') Level 50-Sn-115  
 Cross Section -100.0 To 316.4 %



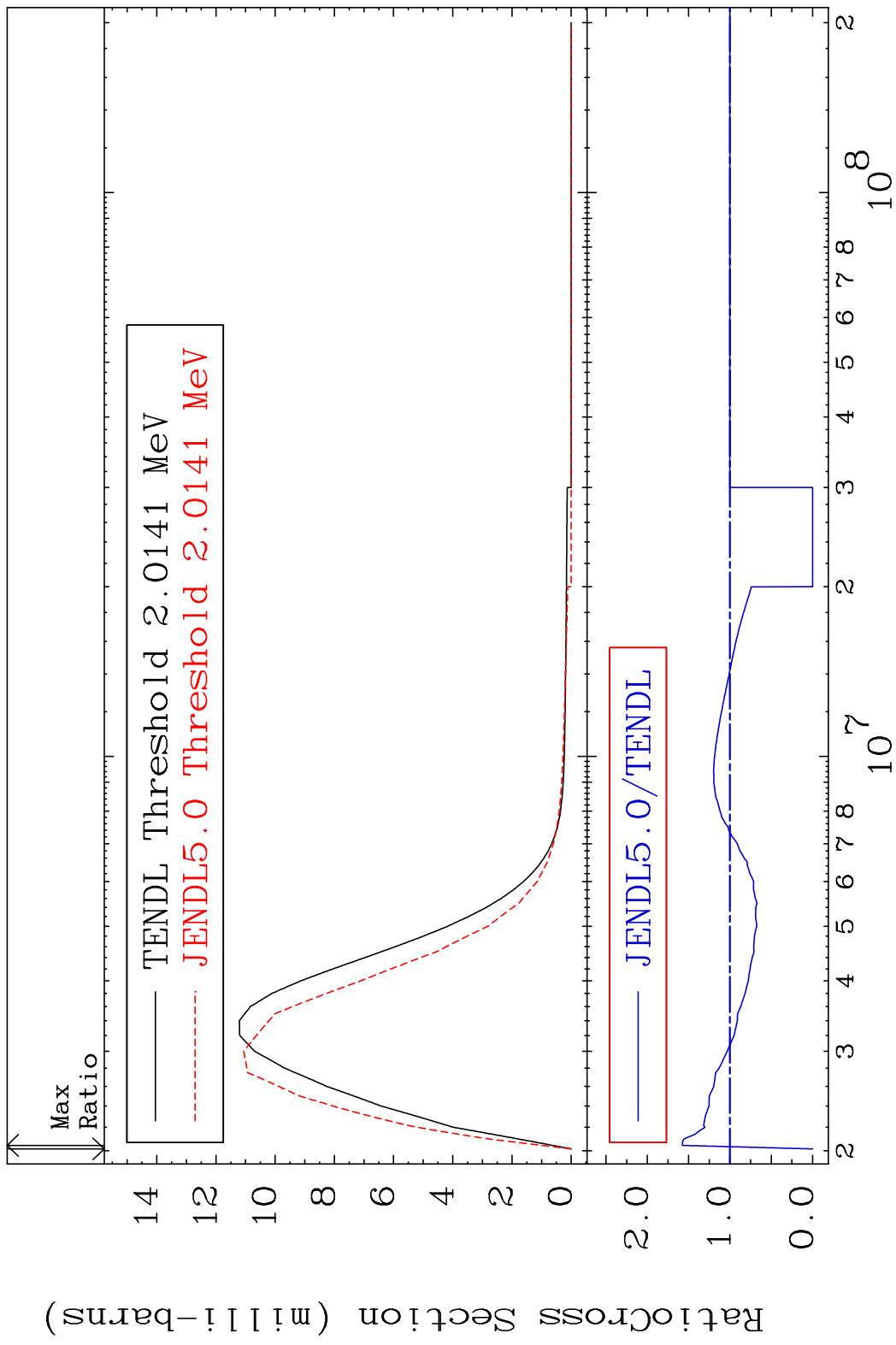
MAT 5034 MT= 66 (n, n') Level 50-Sn-115  
 Cross Section -100.0 To 9999. %



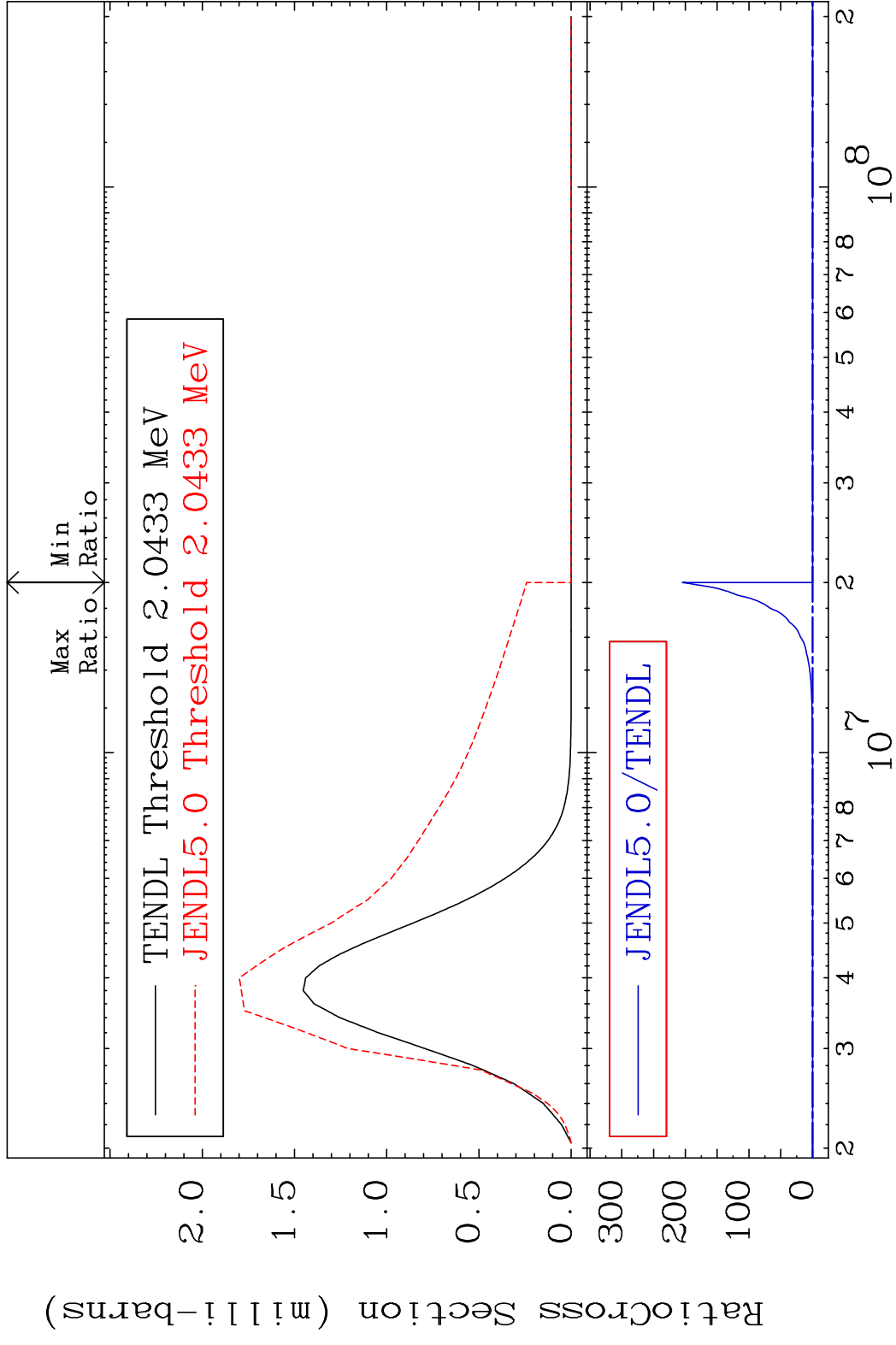
MAT 5034 MT= 67 (n, n') Level 50-Sn-115  
 Cross Section -100.0 To 9999. %



MAT 5034 MT= 68 (n,n') Level 50-Sn-115  
 Cross Section -100.0 To 57.57 %

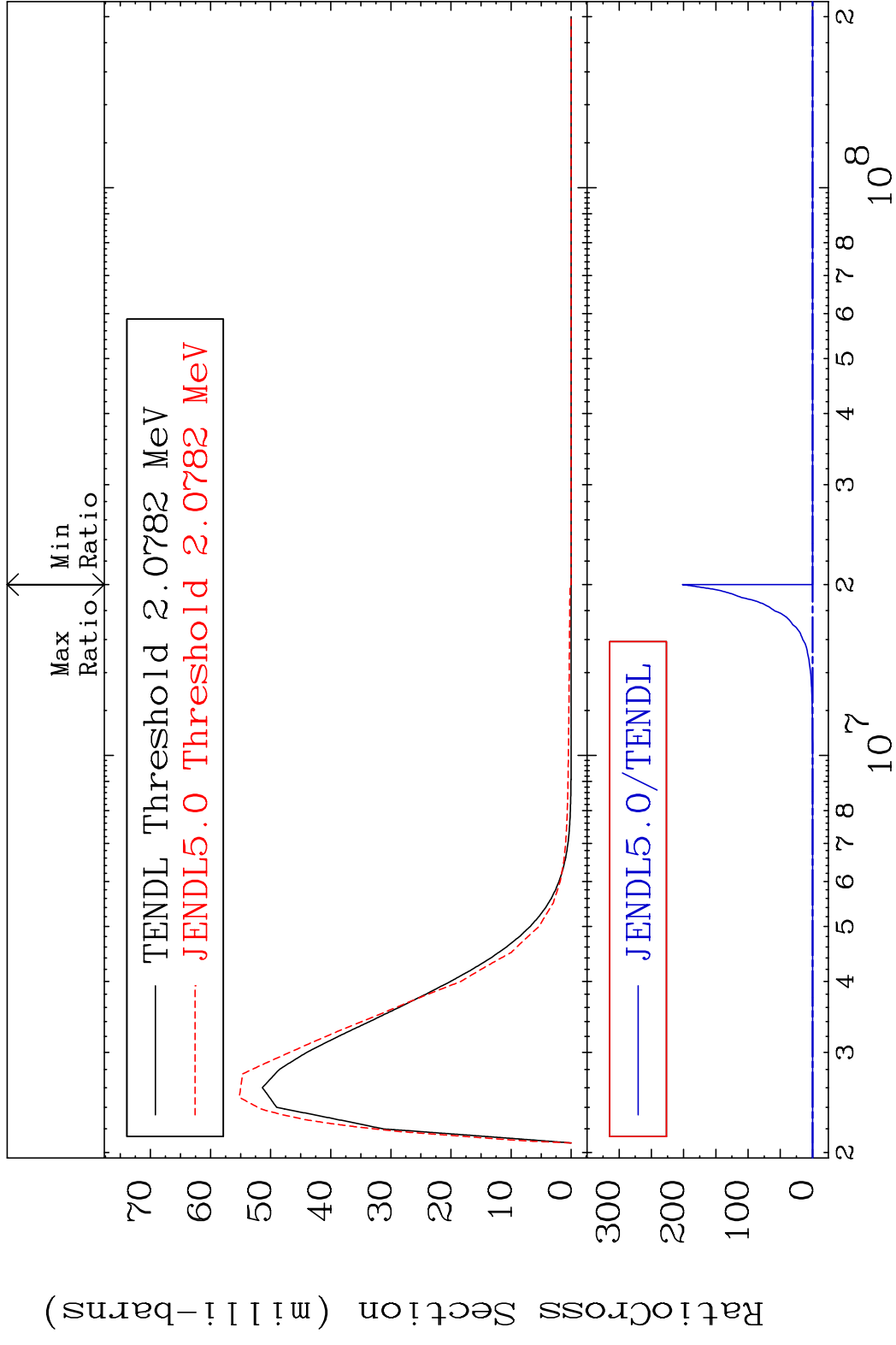


MAT 5034 MT= 69 (n, n') Level 50-Sn-115  
 Cross Section -100.0 To 9999. %

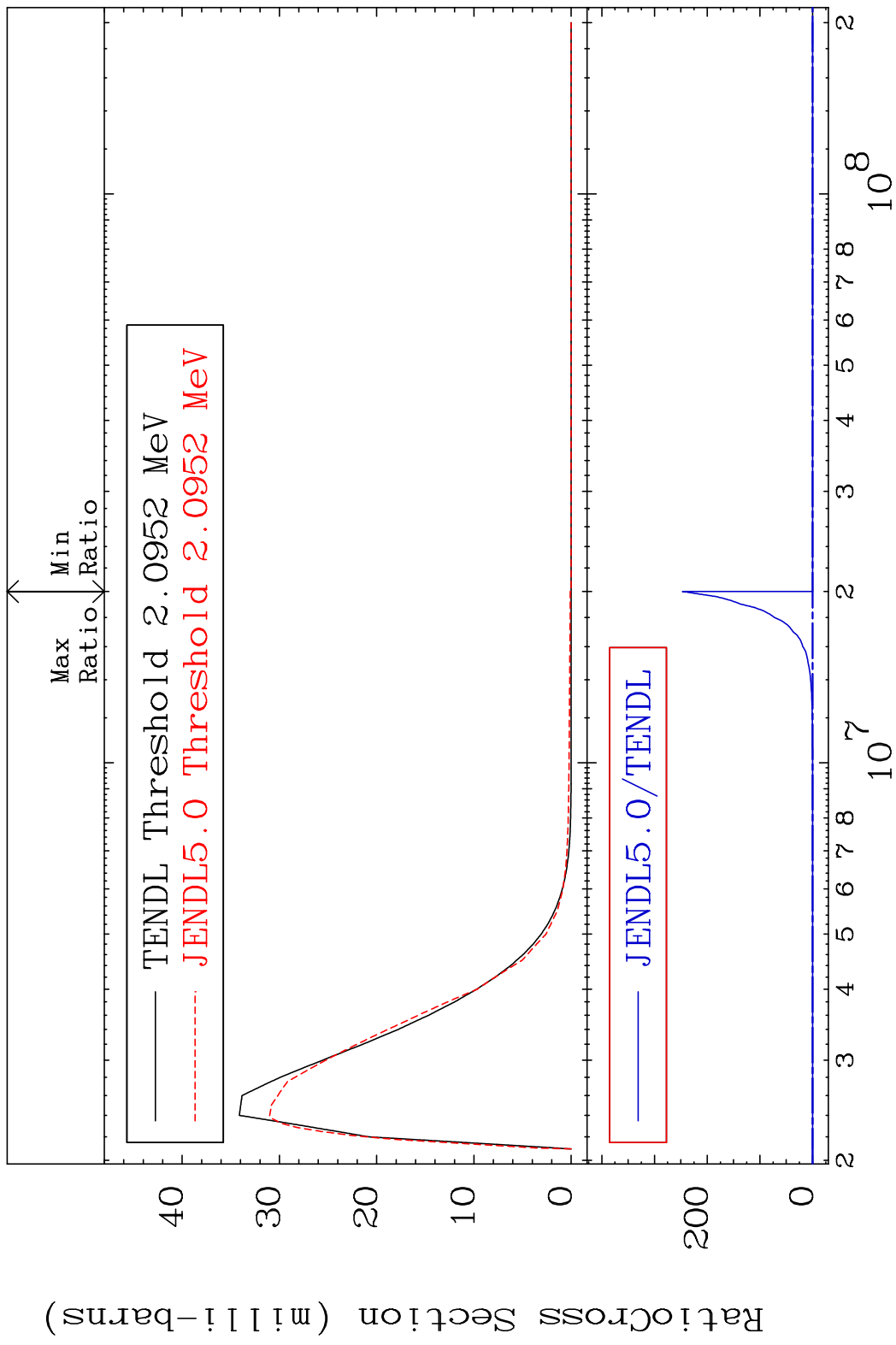


30 50-Sn-115

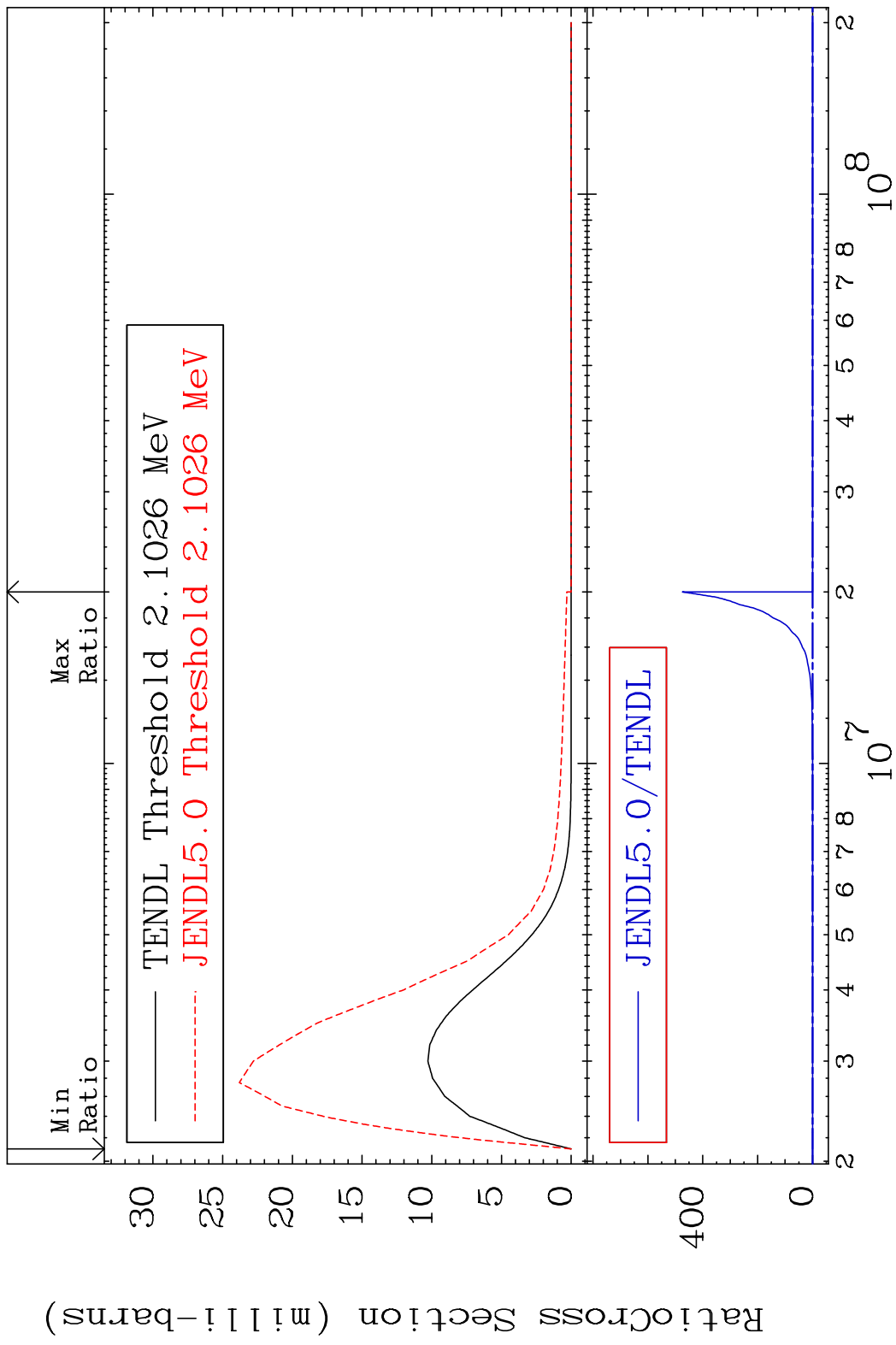
MAT 5034 MT= 70 (n, n') Level 50-Sn-115  
 Cross Section -100.0 To 9999. %



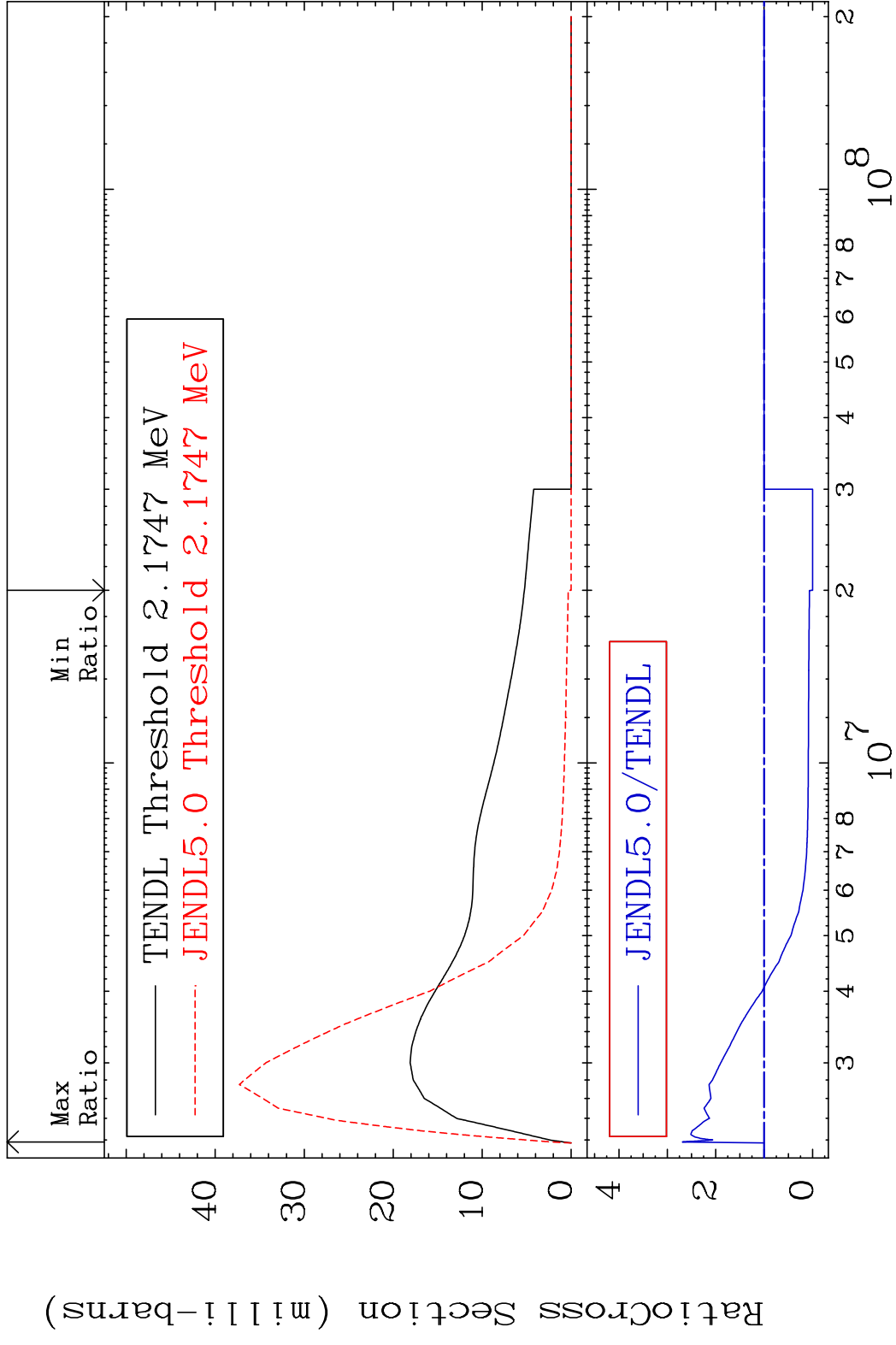
MAT 5034 MT= 71 (n, n') Level 50-Sn-115  
 Cross Section -100.0 To 9999. %



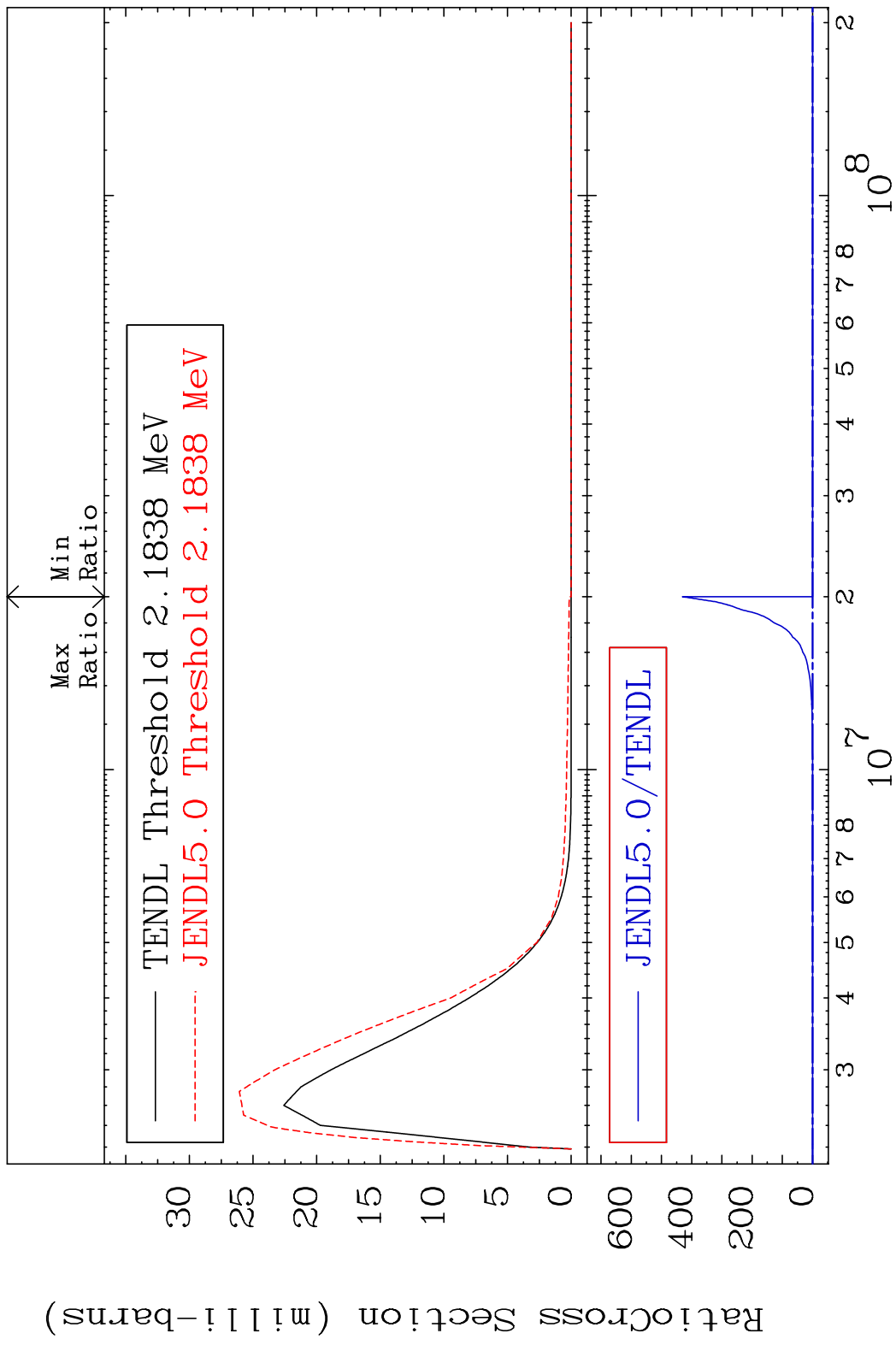
MAT 5034 MT= 72 (n, n') Level 50-Sn-115  
 Cross Section -100.0 To 9999. %



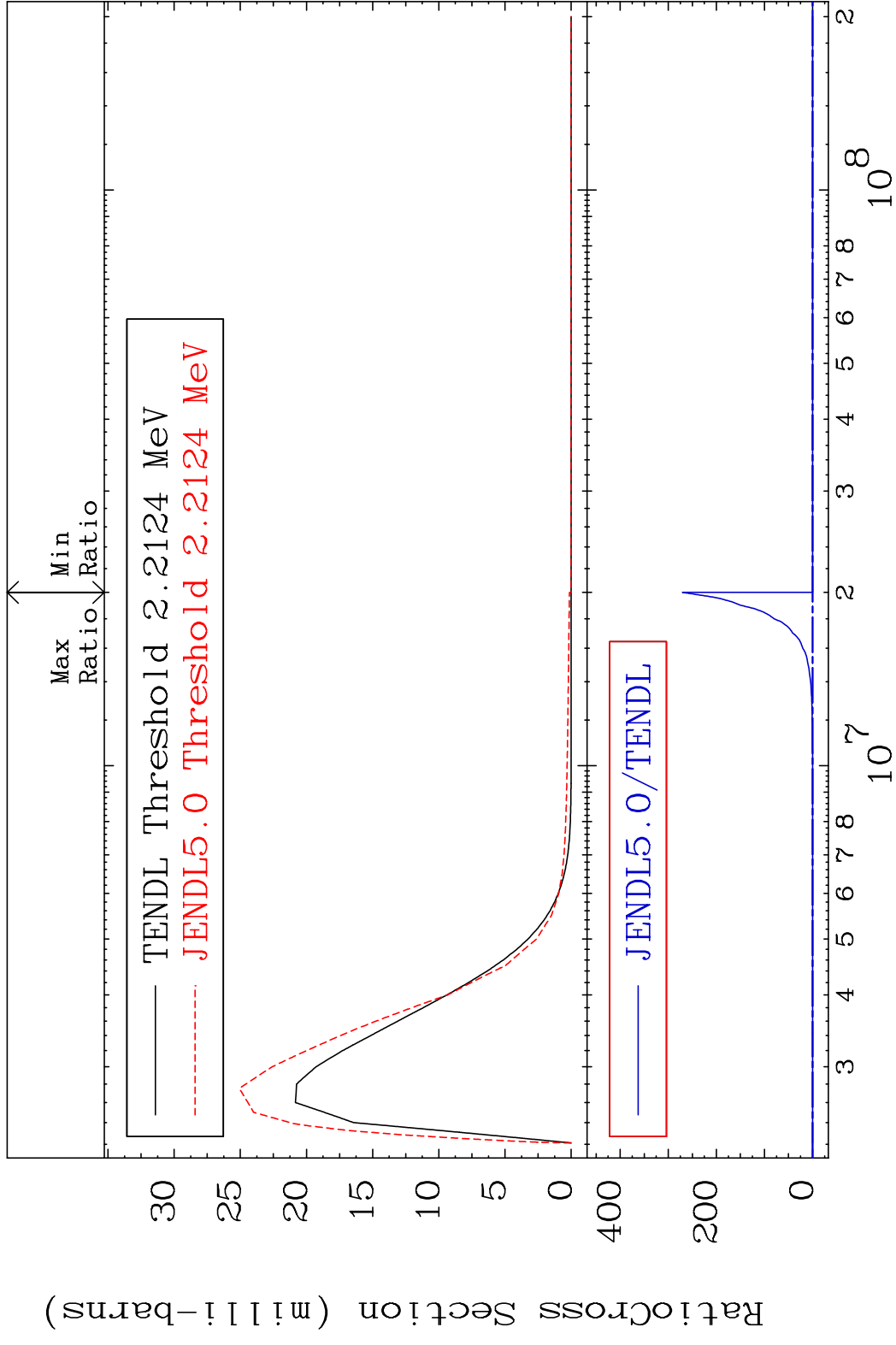
MAT 5034 MT= 73 (n, n') Level 50-Sn-115  
 Cross Section -100.0 To 168.9 %



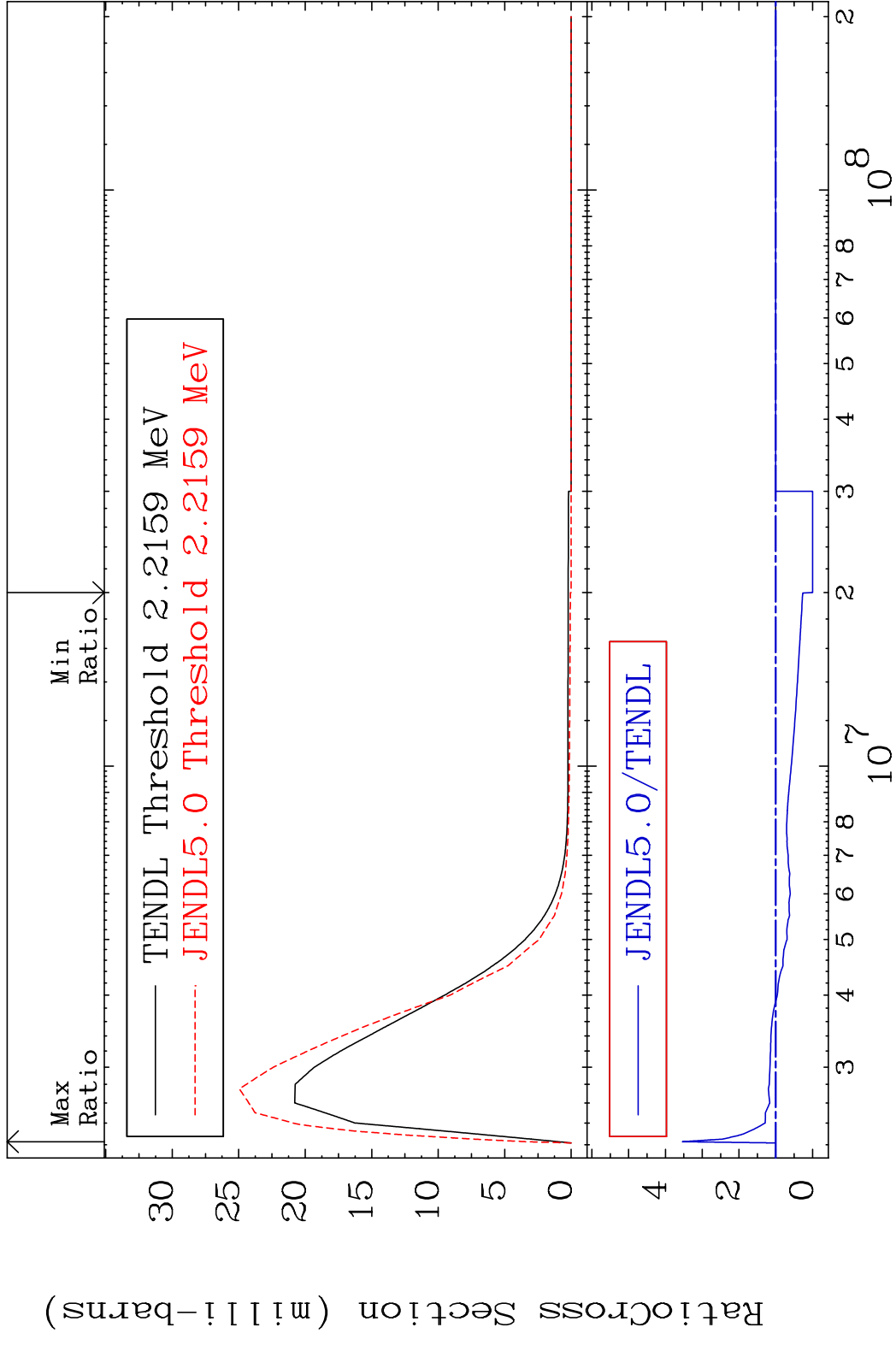
MAT 5034 MT= 74 (n, n') Level 50-Sn-115  
 Cross Section -100.0 To 9999. %



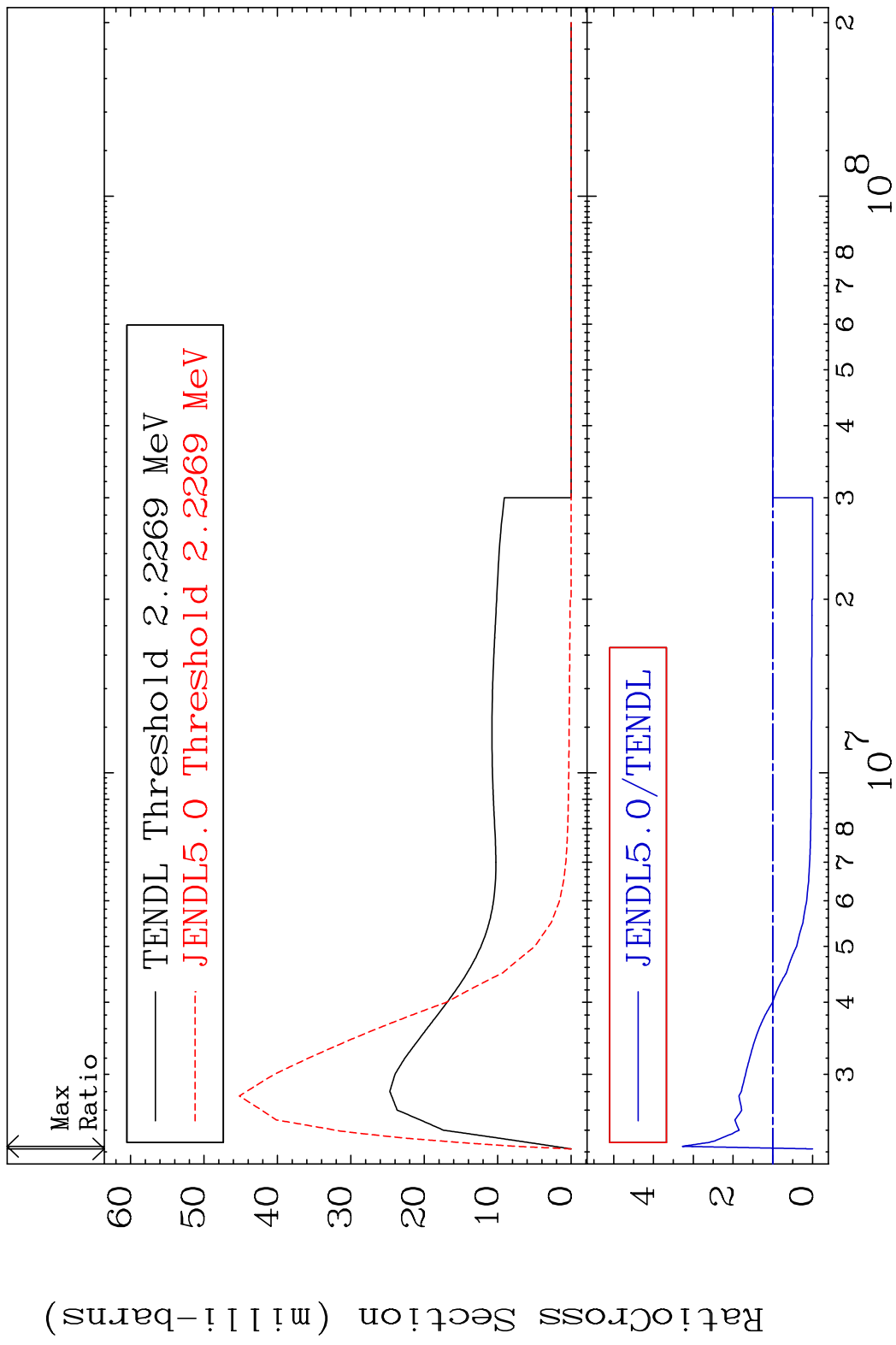
MAT 5034 MT= 75 (n, n') Level 50-Sn-115  
 Cross Section -100.0 To 9999. %



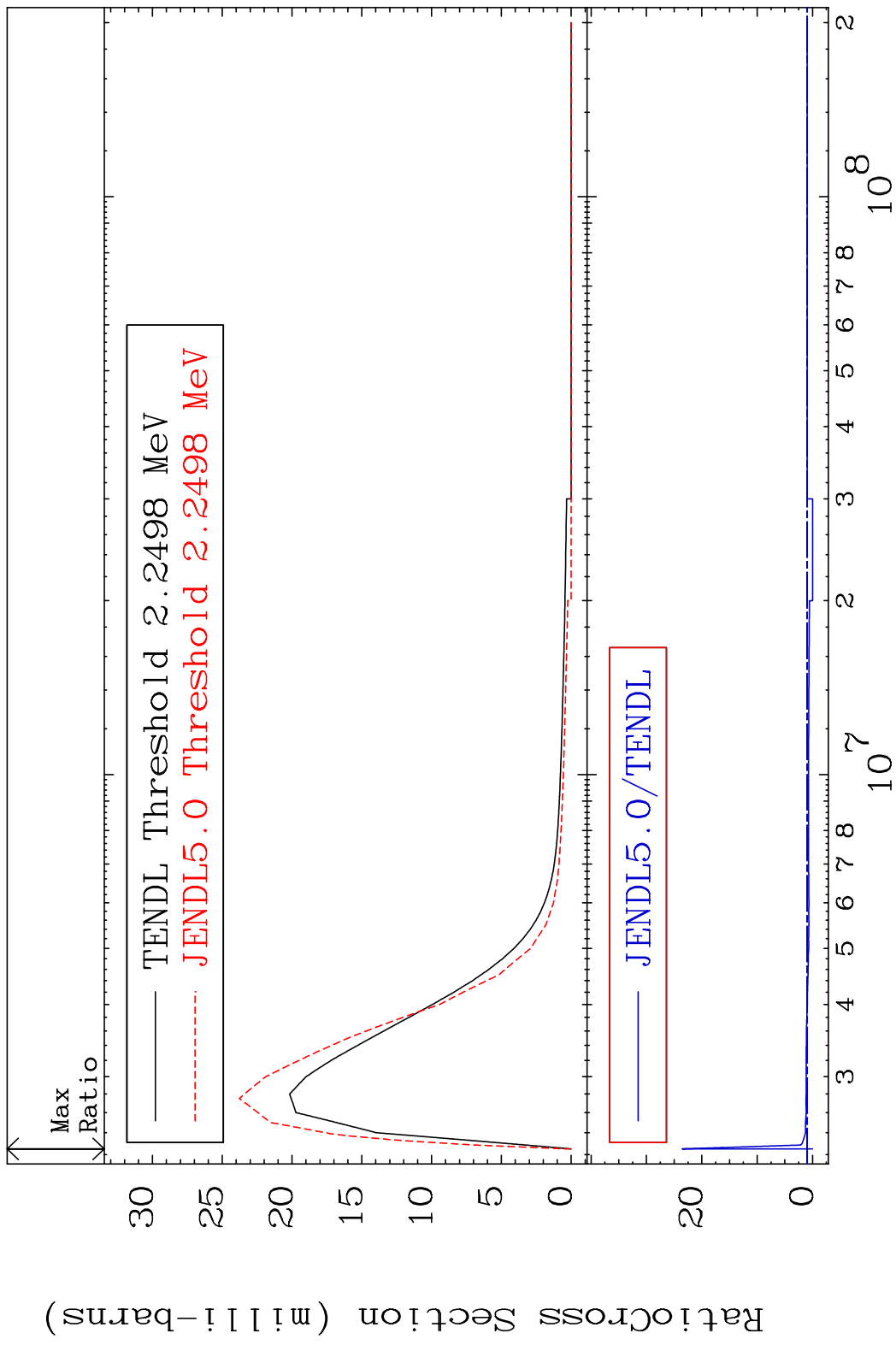
MAT 5034 MT= 76 (n,n') Level 50-Sn-115  
 Cross Section -100.0 To 254.0 %



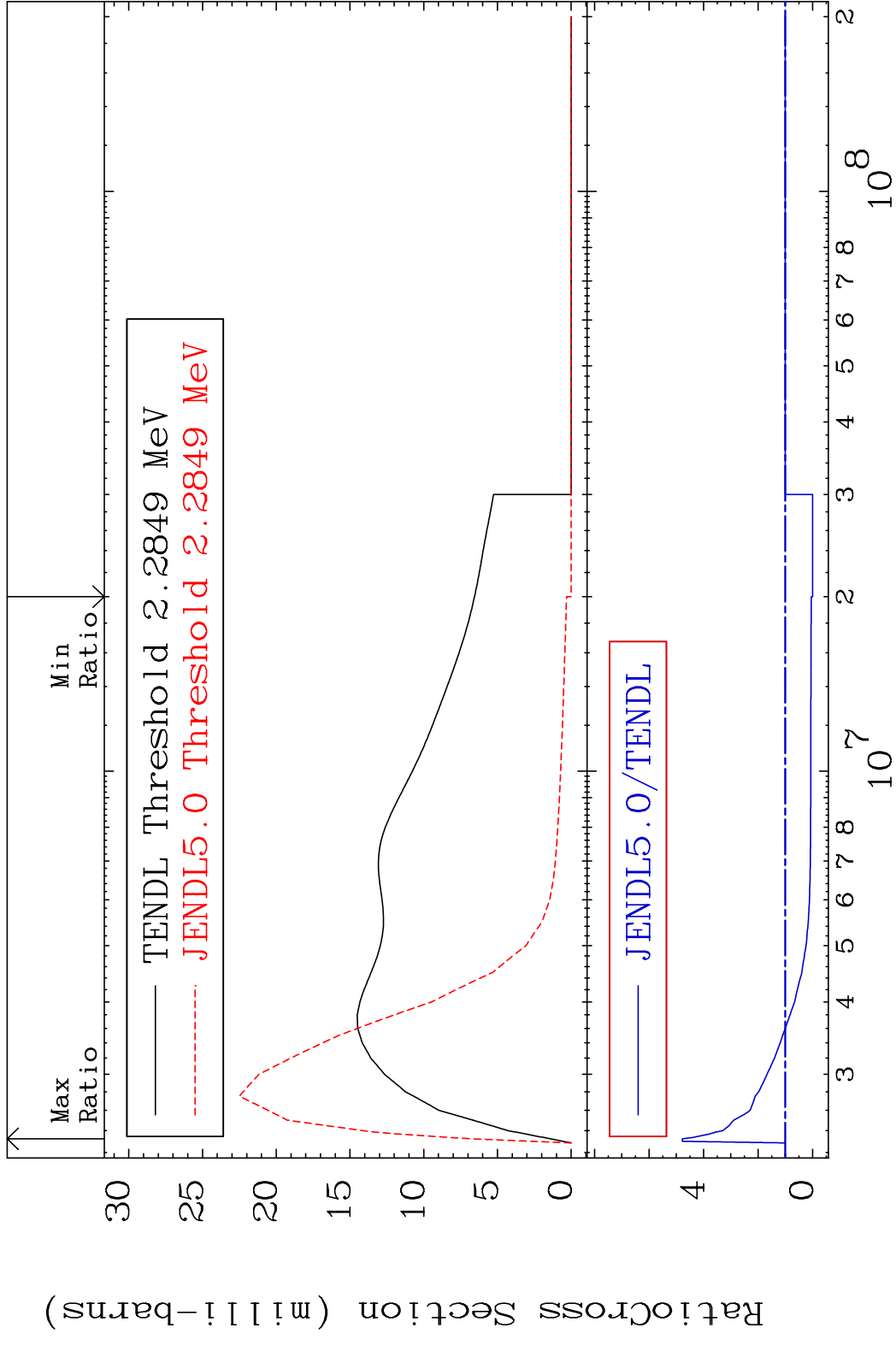
MAT 5034 MT= 77 (n,n') Level 50-Sn-115  
 Cross Section -100.0 To 227.3 %



MAT 5034 MT= 78 (n, n') Level 50-Sn-115  
 Cross Section -100.0 To 2252. %



MAT 5034 MT= 79 (n,n') Level 50-Sn-115  
 Cross Section -100.0 To 377.8 %

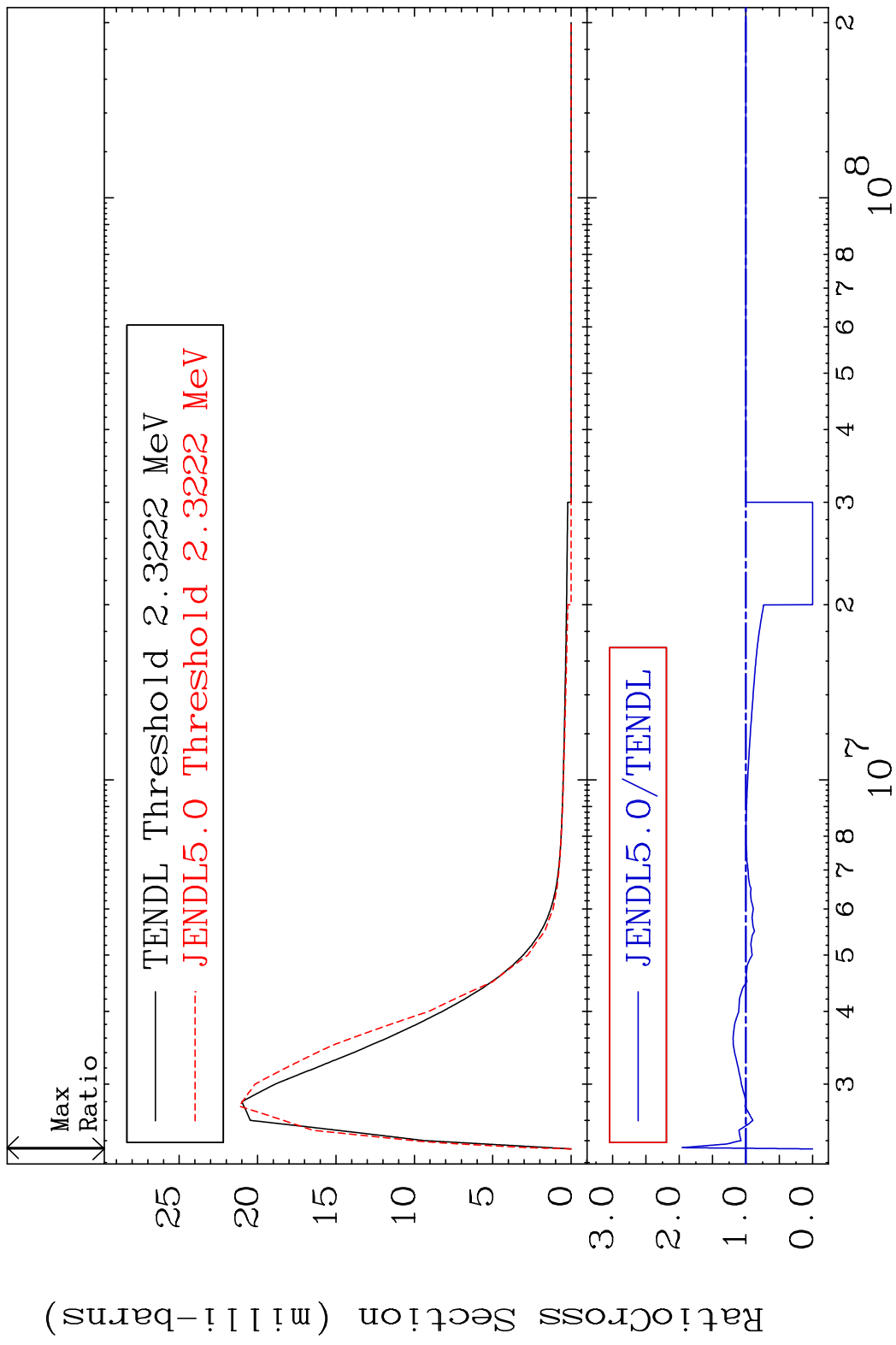


40

Incident Energy (eV)

50-Sn-115

MAT 5034 MT= 80 (n,n') Level 50-Sn-115  
 Cross Section -100.0 To 95.32 %

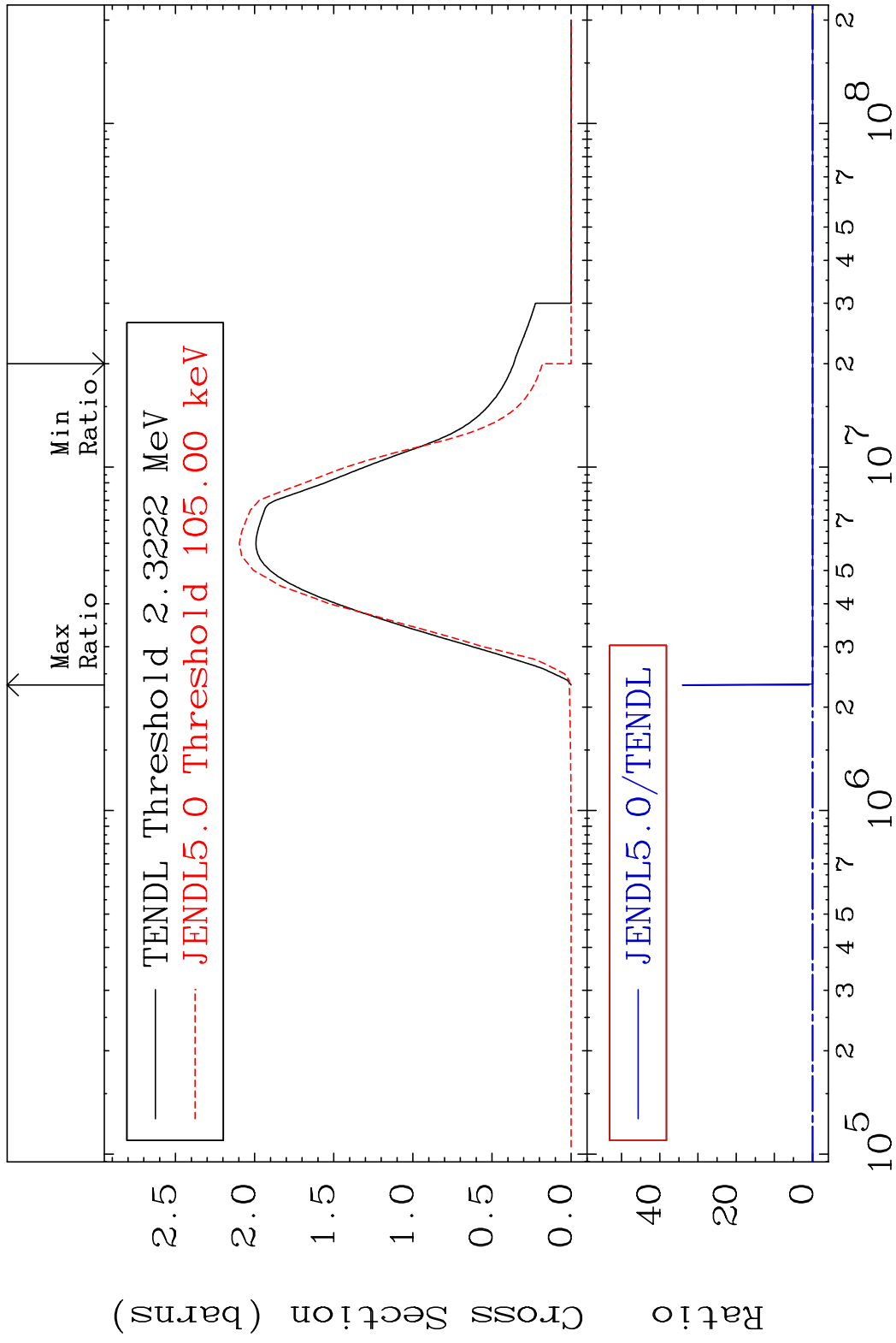


MAT 5034

(n, n') Continuum

50-Sn-115

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

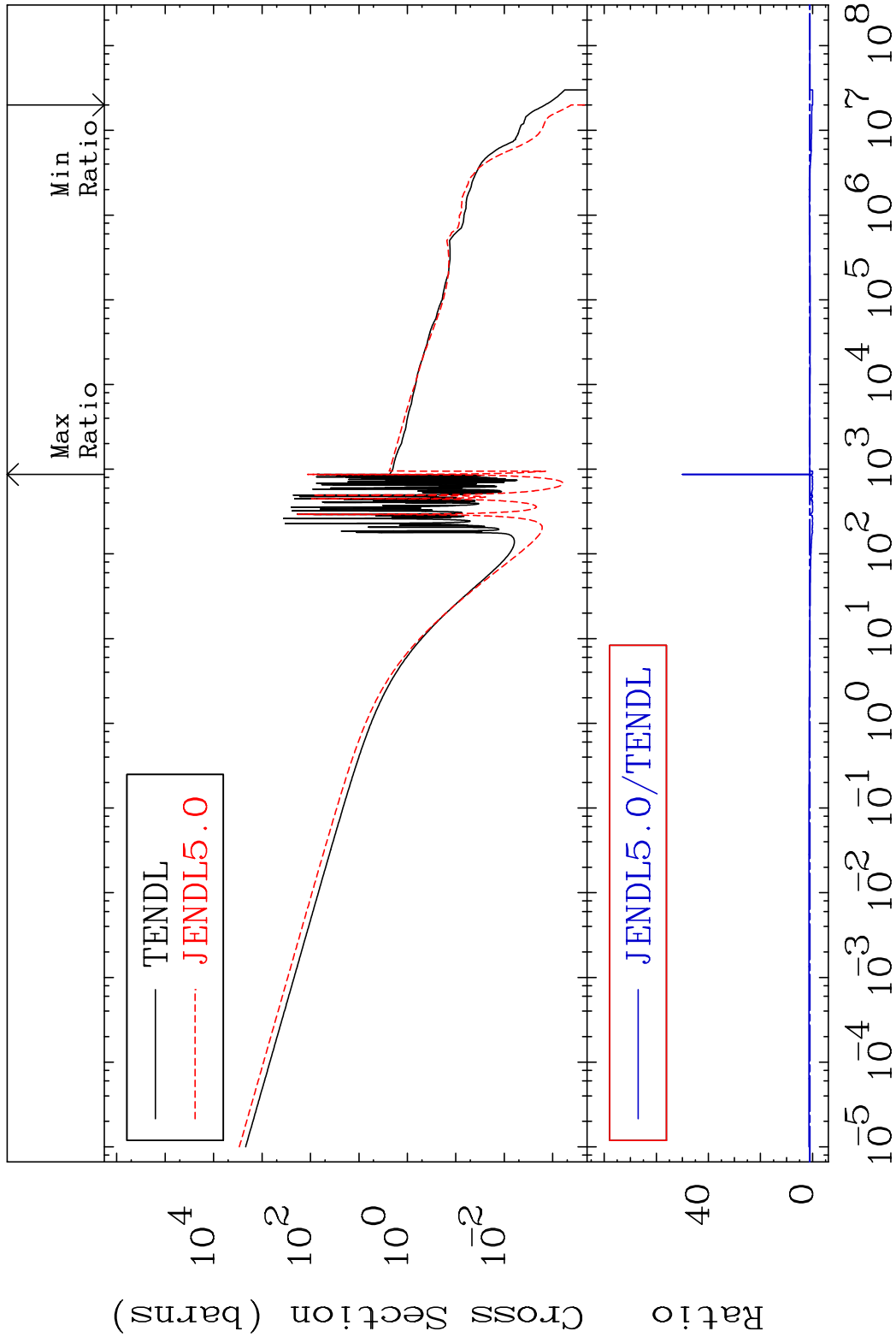
50-Sn-115

MAT 5034

(n,  $\gamma$ )

50-Sn-115

Cross Section -100.0 To 4900.0 %



43

Incident Energy (eV)

50-Sn-115

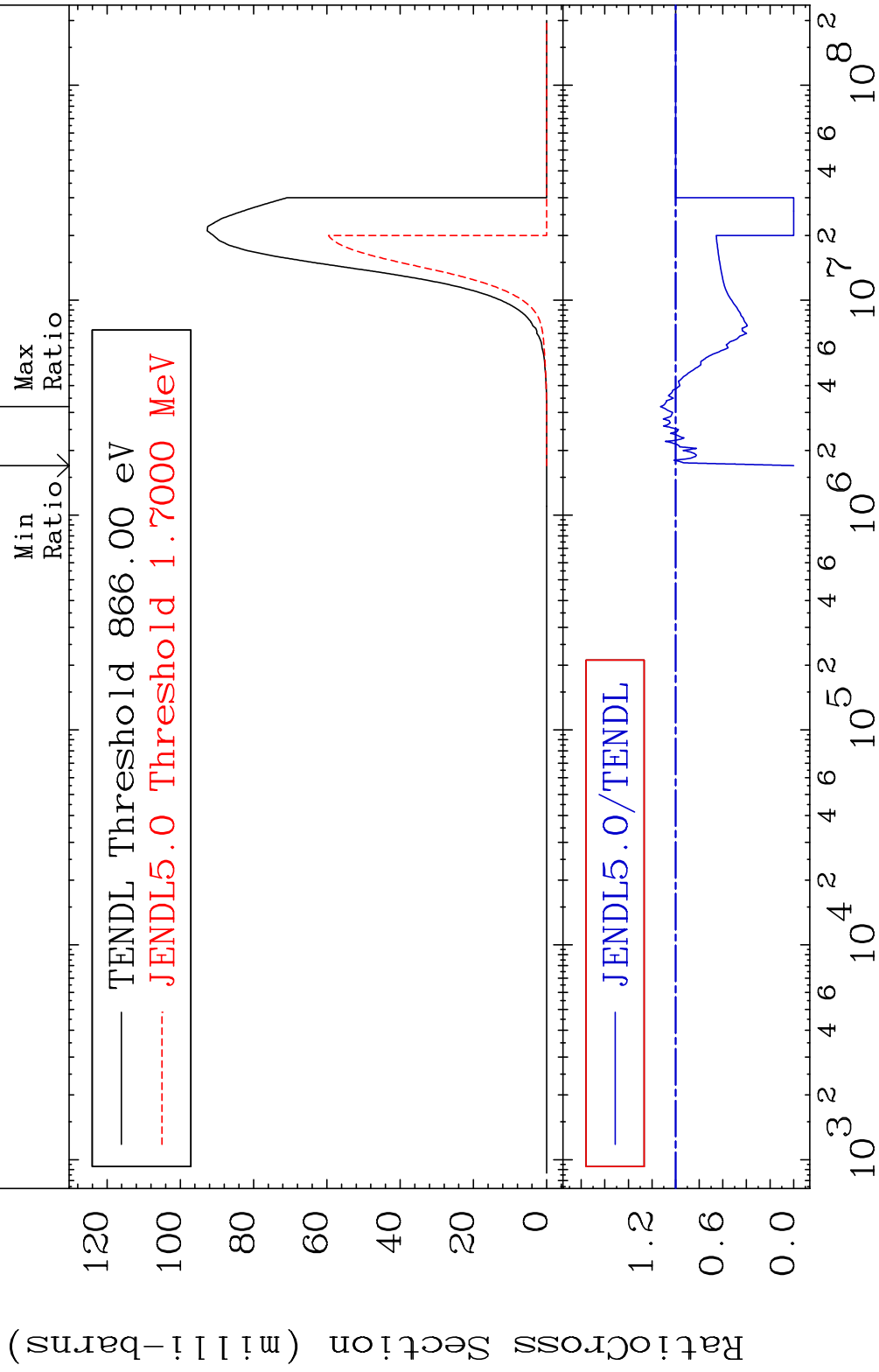
MAT 5034

(n,p)

50-Sn-115

Cross Section

-100.0 To 12.85 %



44

Incident Energy (eV)

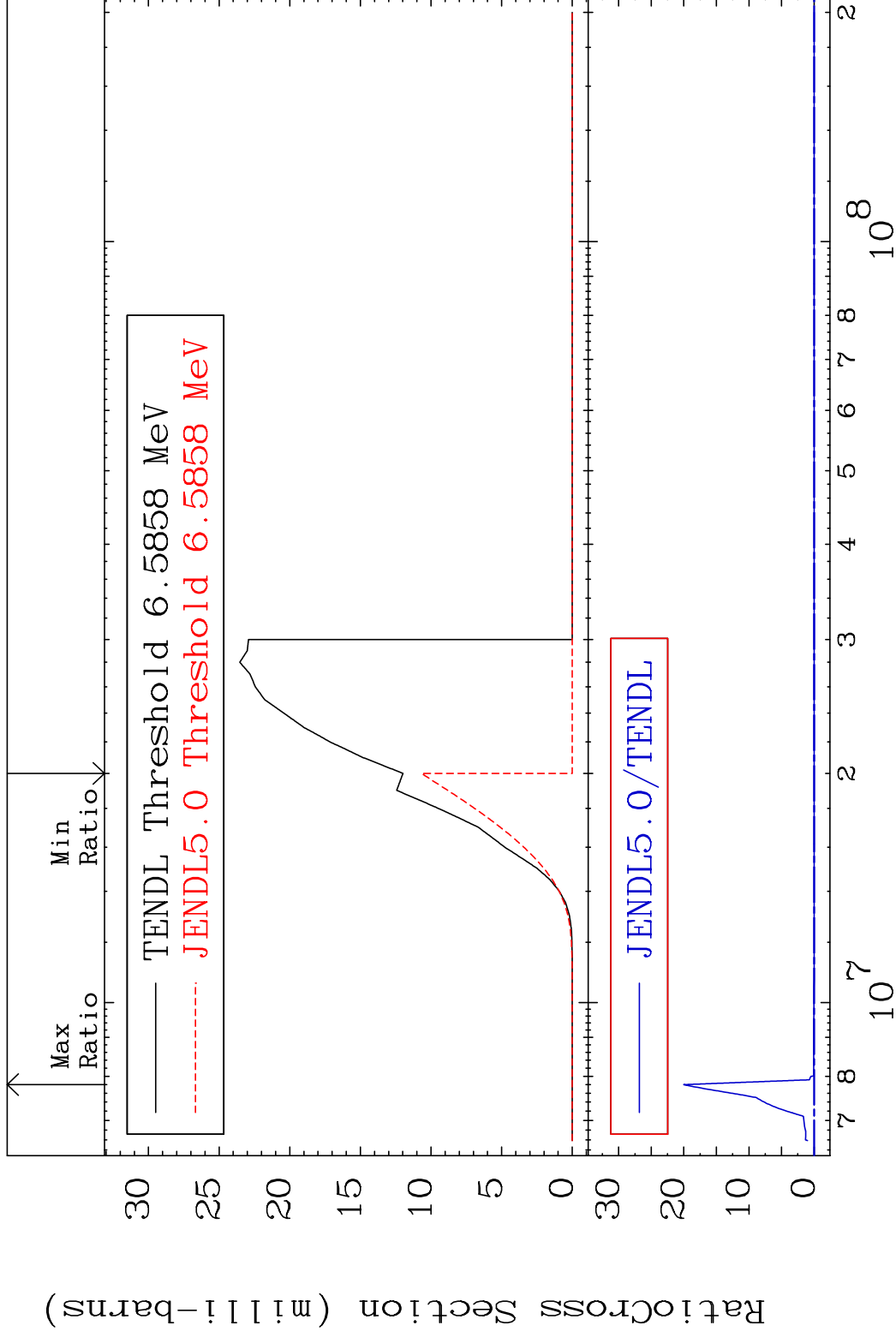
50-Sn-115

MAT 5034

(n,d)

50-Sn-115

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

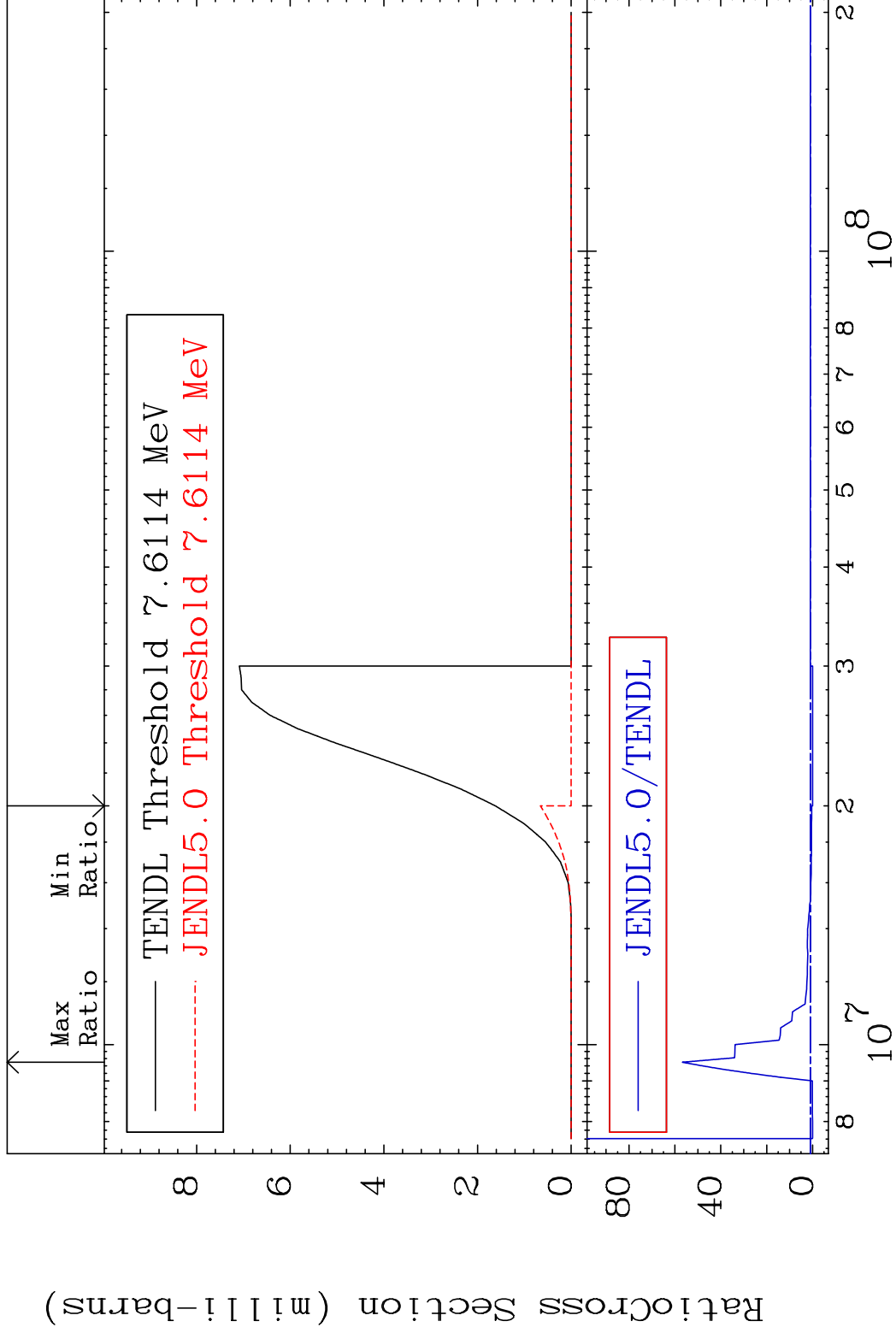
50-Sn-115

MAT 5034

(n, t)

50-Sn-115

Cross Section -100.0 To 5576. %

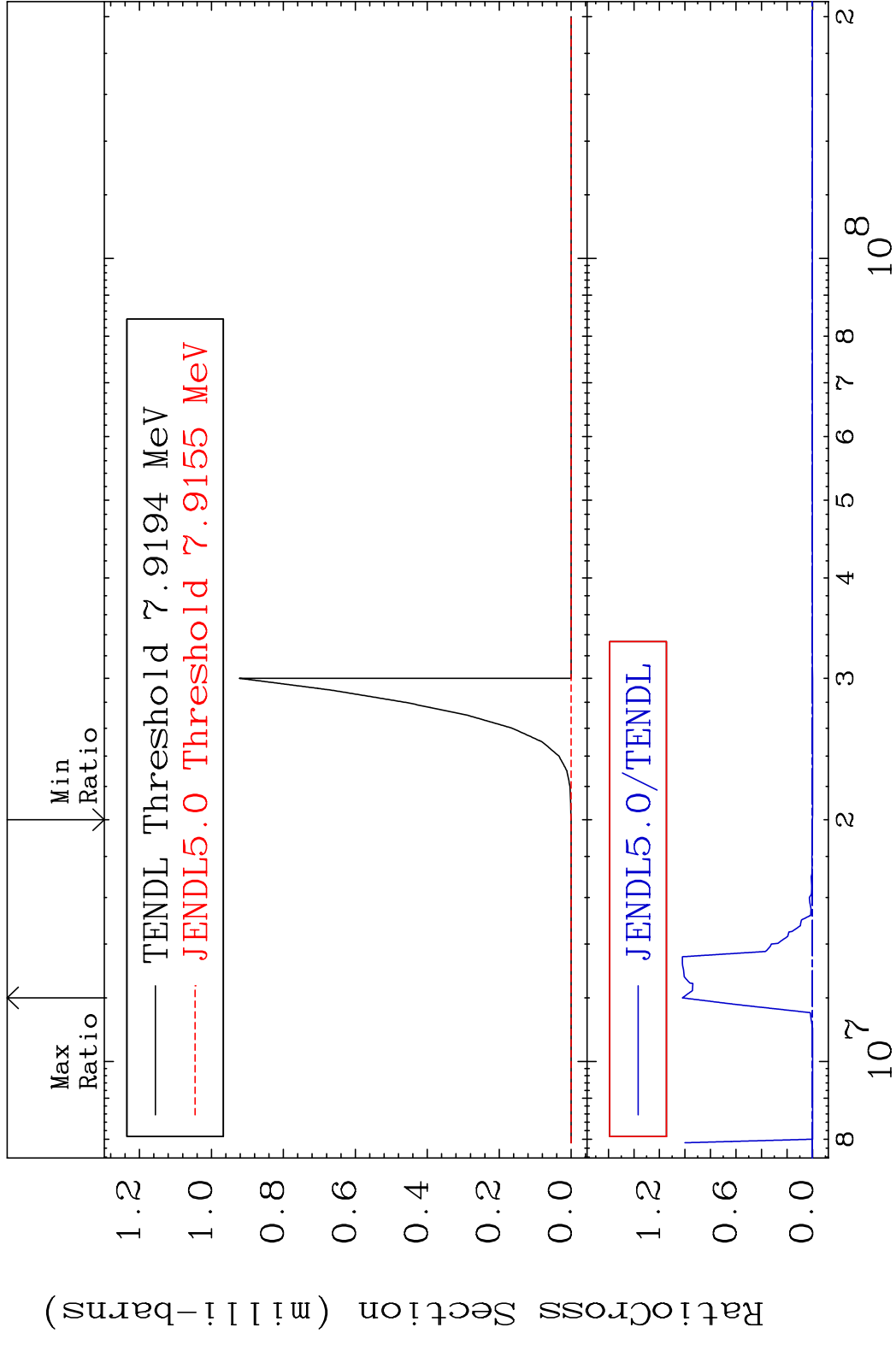


46

Incident Energy (eV)

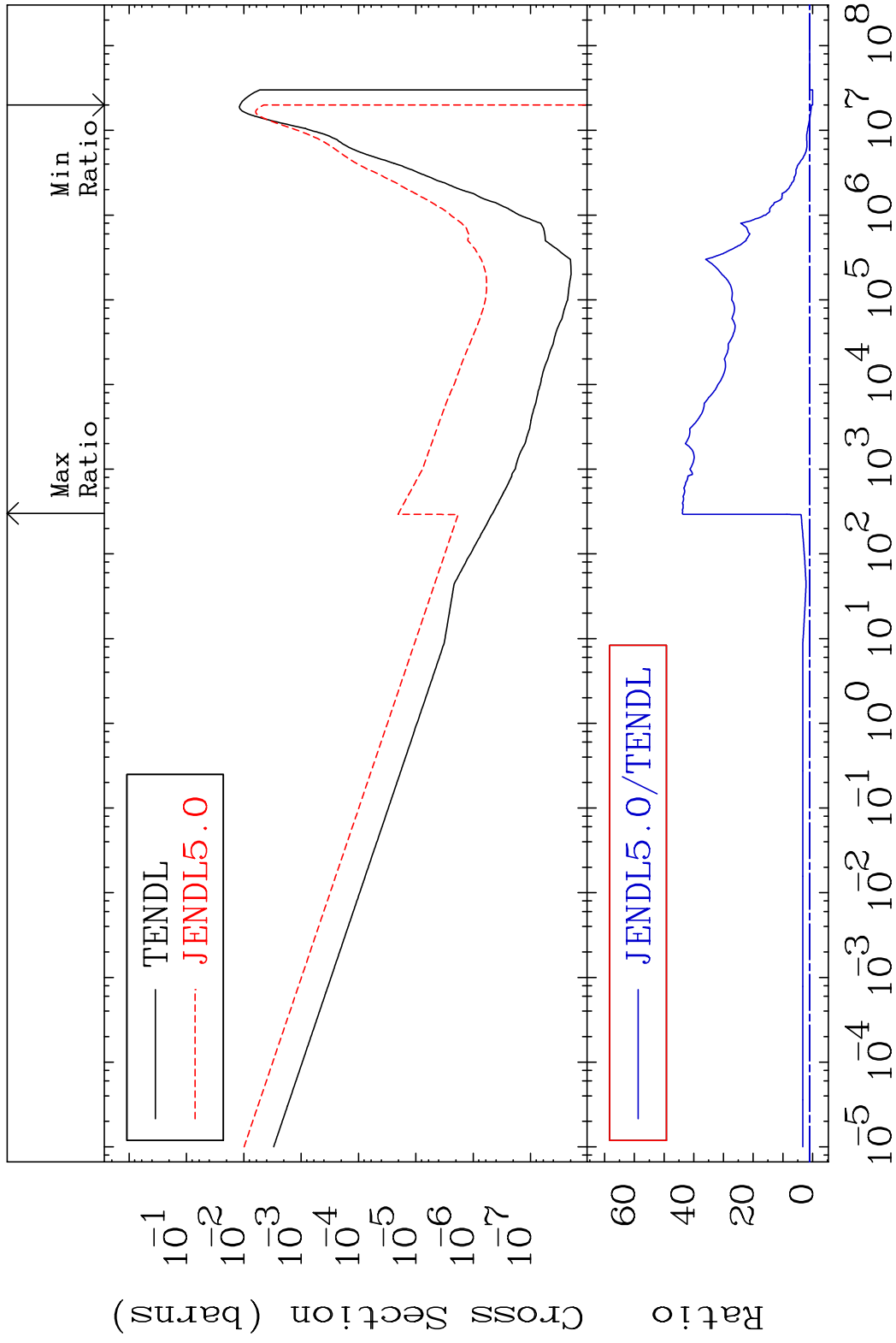
50-Sn-115

MAT 5034 (n, He-3) 50-Sn-115  
 Cross Section -100.0 To 9999. %



MAT 5034

(n,  $\alpha$ )  
Cross Section -100.0 To 4284. %  
50-Sn-115

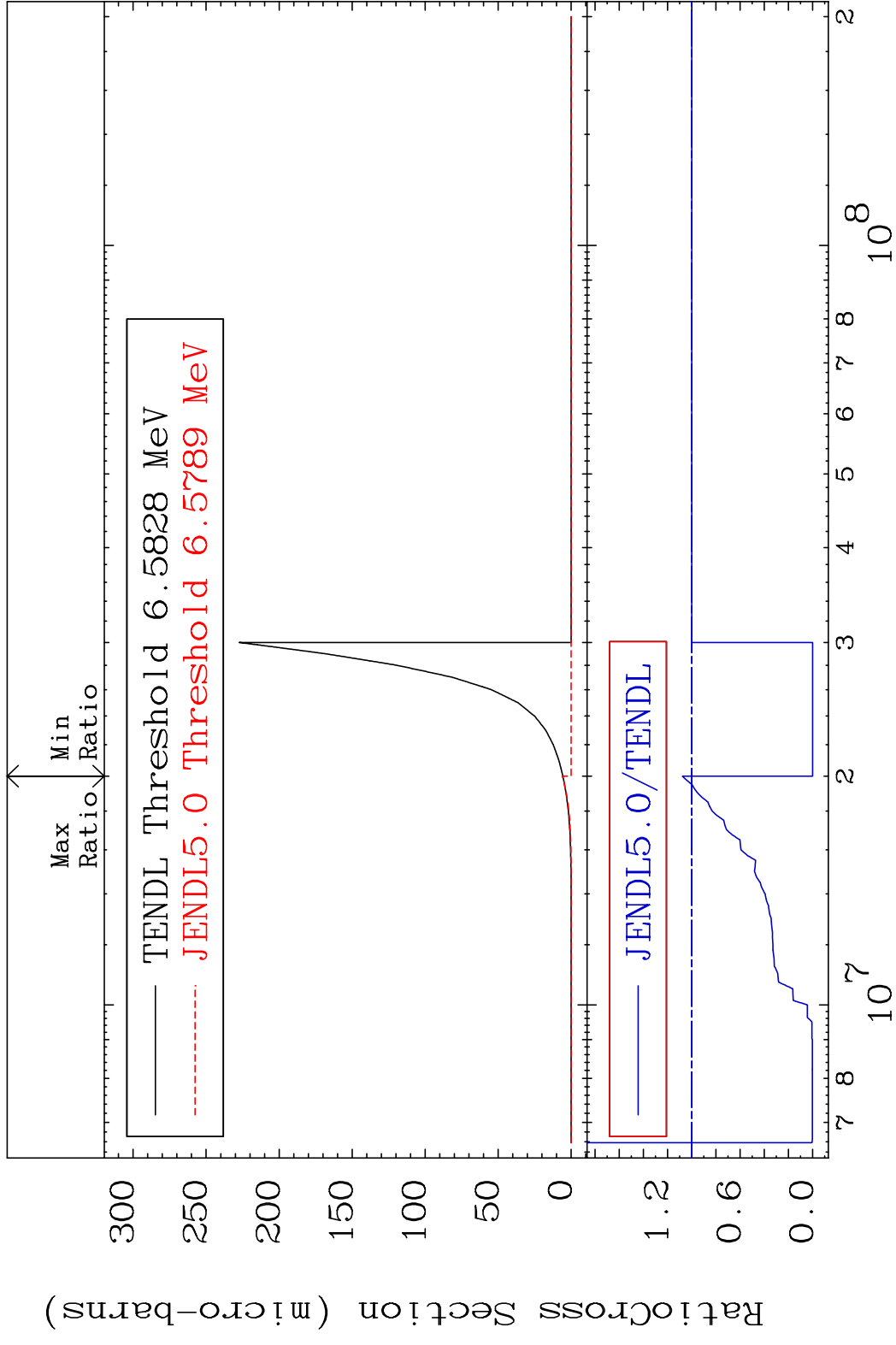


48

Incident Energy (eV)

50-Sn-115

MAT 5034 (n,2p) 50-Sn-115  
 Cross Section -100.0 To 7.713 %

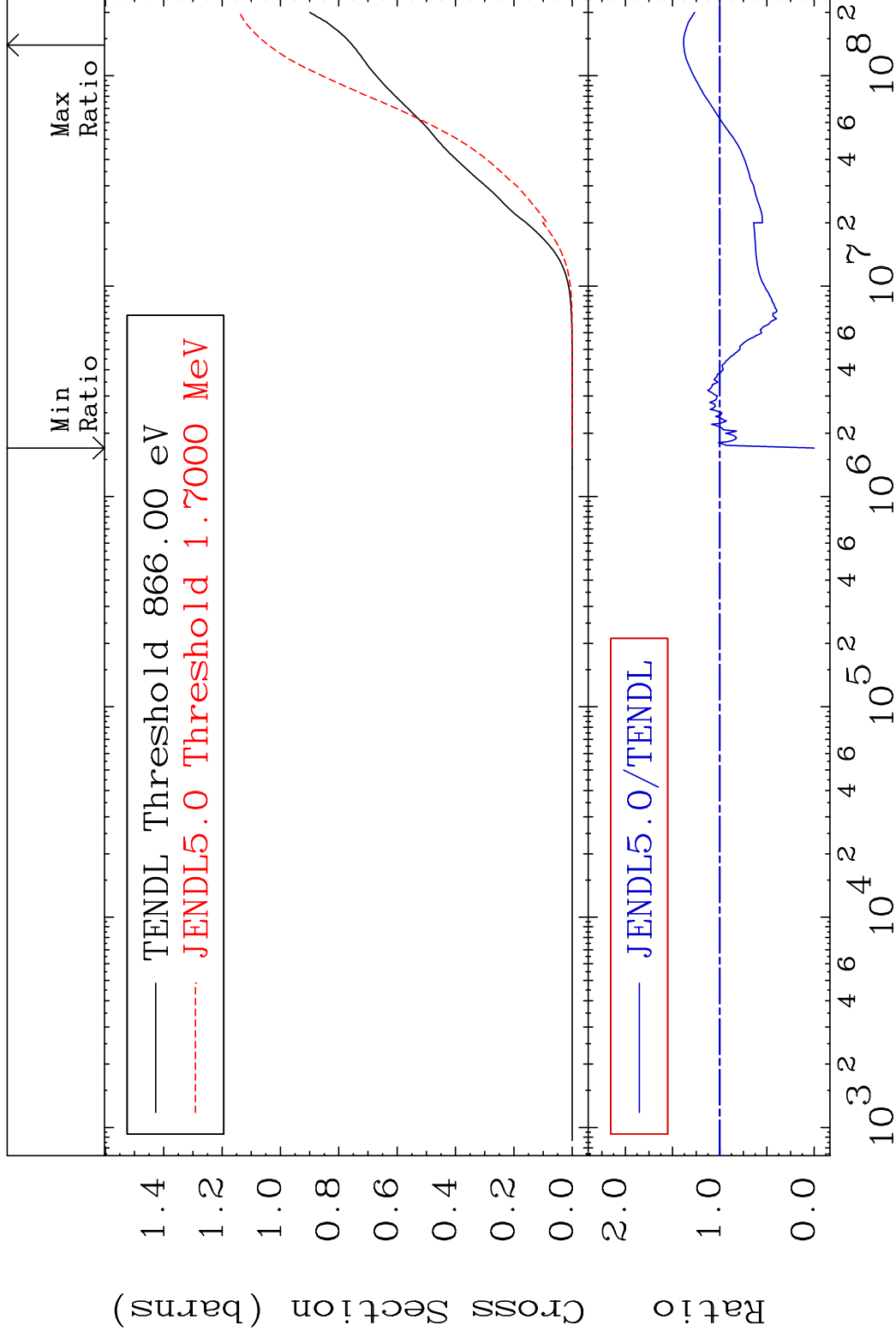


MAT 5034

Hydrogen Production

50-Sn-115

Cross Section -100.0 To 38.25 %

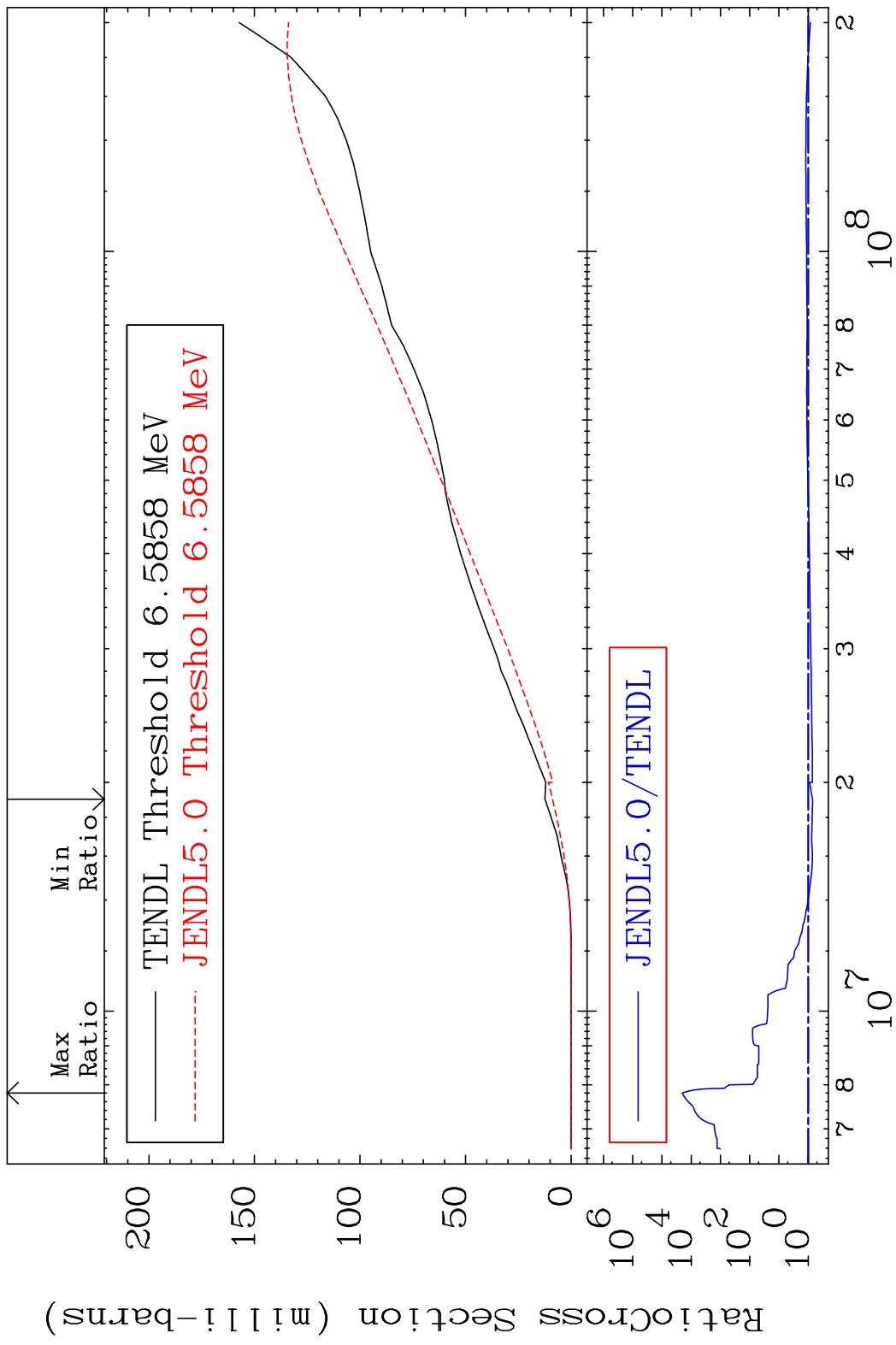


50

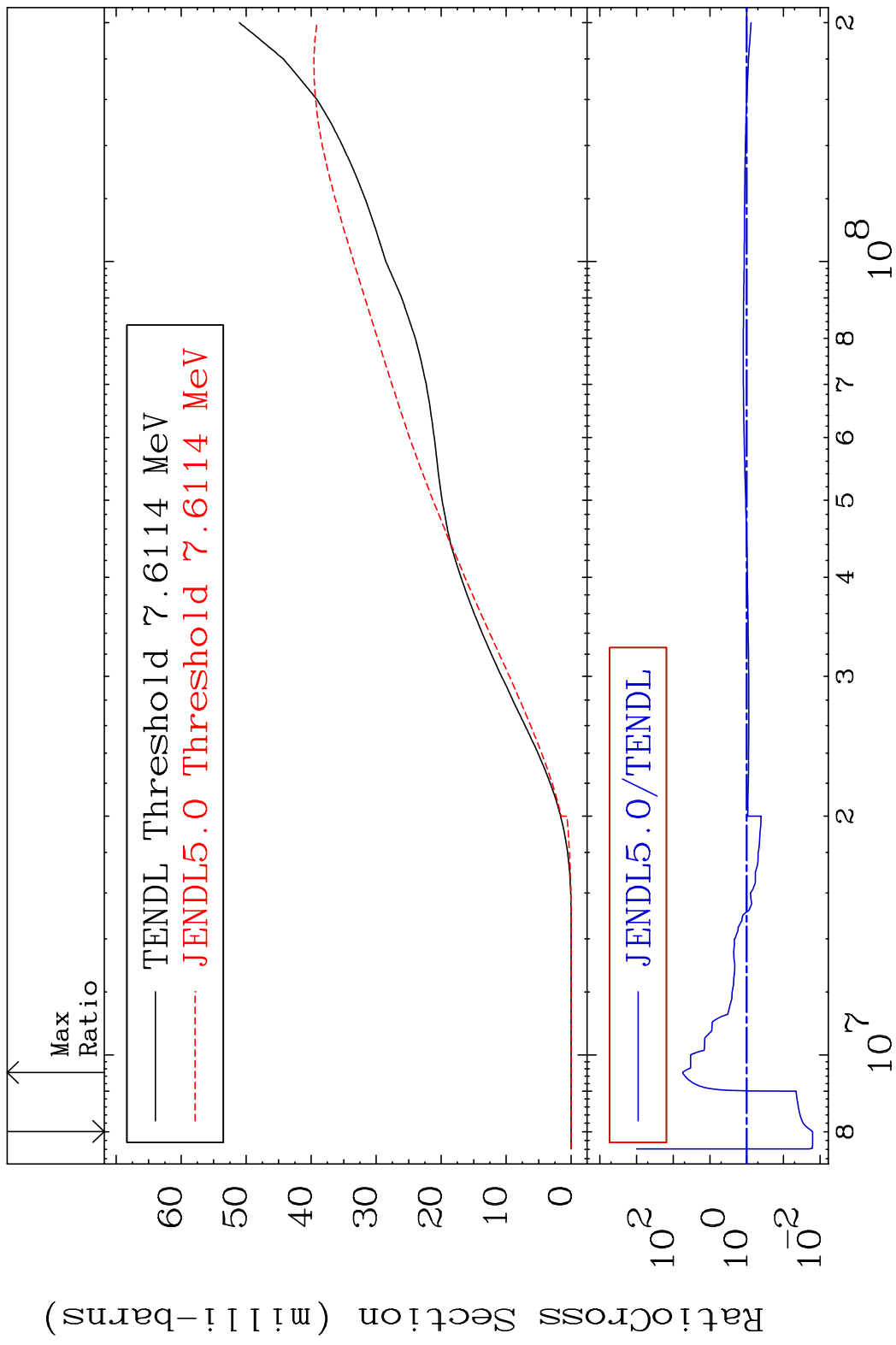
Incident Energy (eV)

50-Sn-115

MAT 5034 Deuterium Production 50-Sn-115  
 Cross Section -28.98 To 9999. %



MAT 5034 Tritium Production 50-Sn-115  
 Cross Section -98.38 To 5576. %

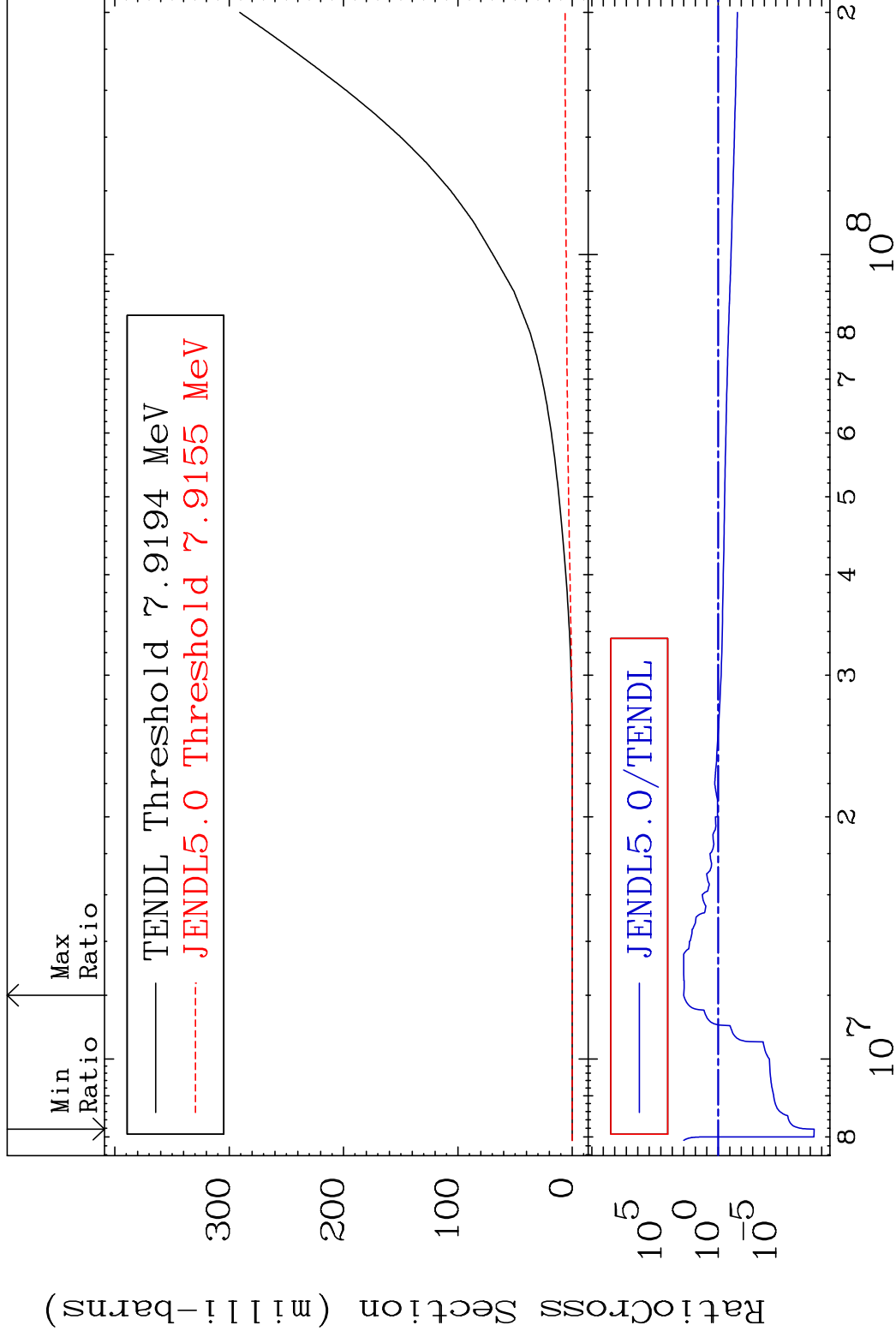


MAT 5034

He-3 Production

50-Sn-115

Cross Section -100.0 To 9999. %



53

Incident Energy (eV)

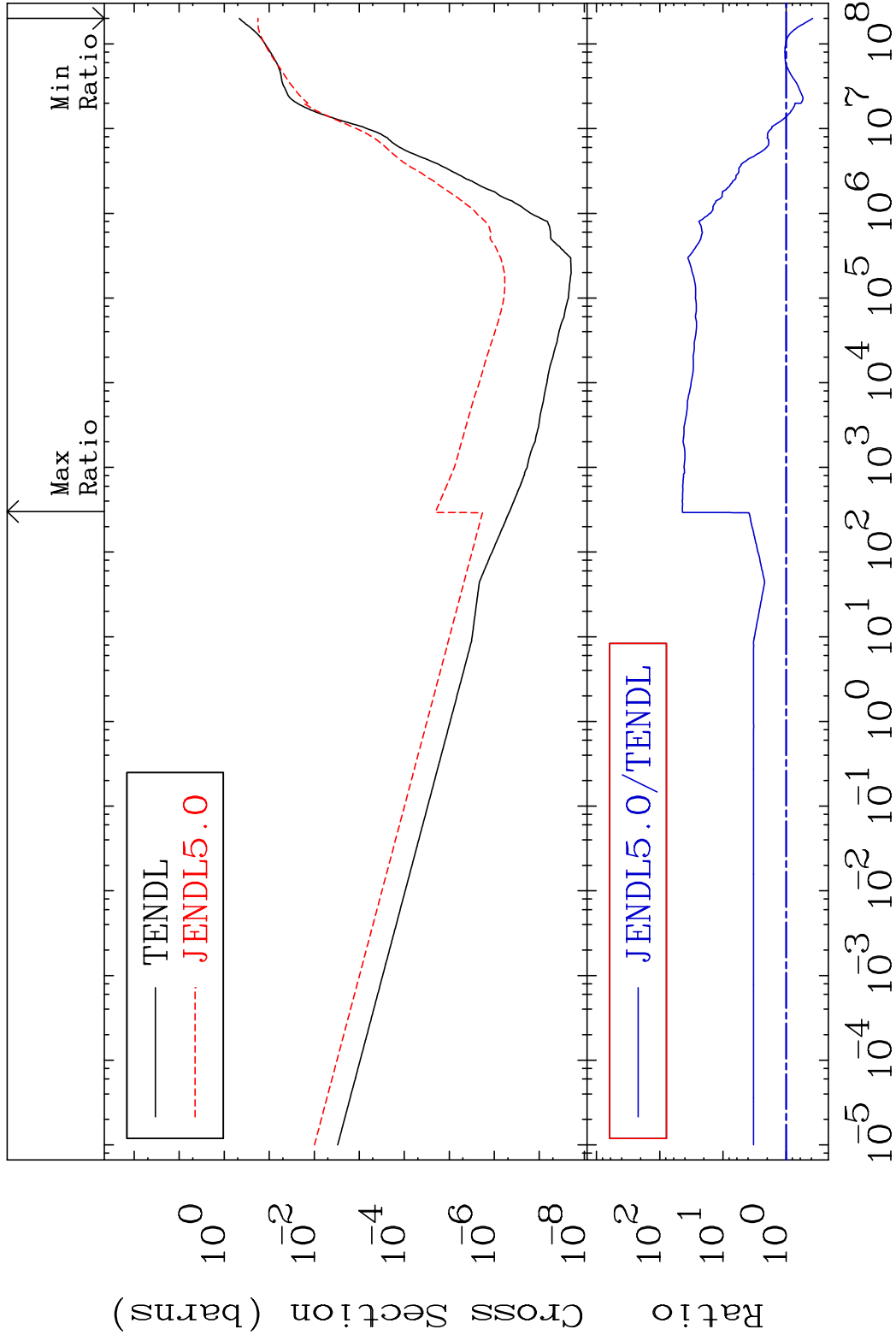
50-Sn-115

MAT 5034

He-4 Production

50-Sn-115

Cross Section -61.72 To 4284. %

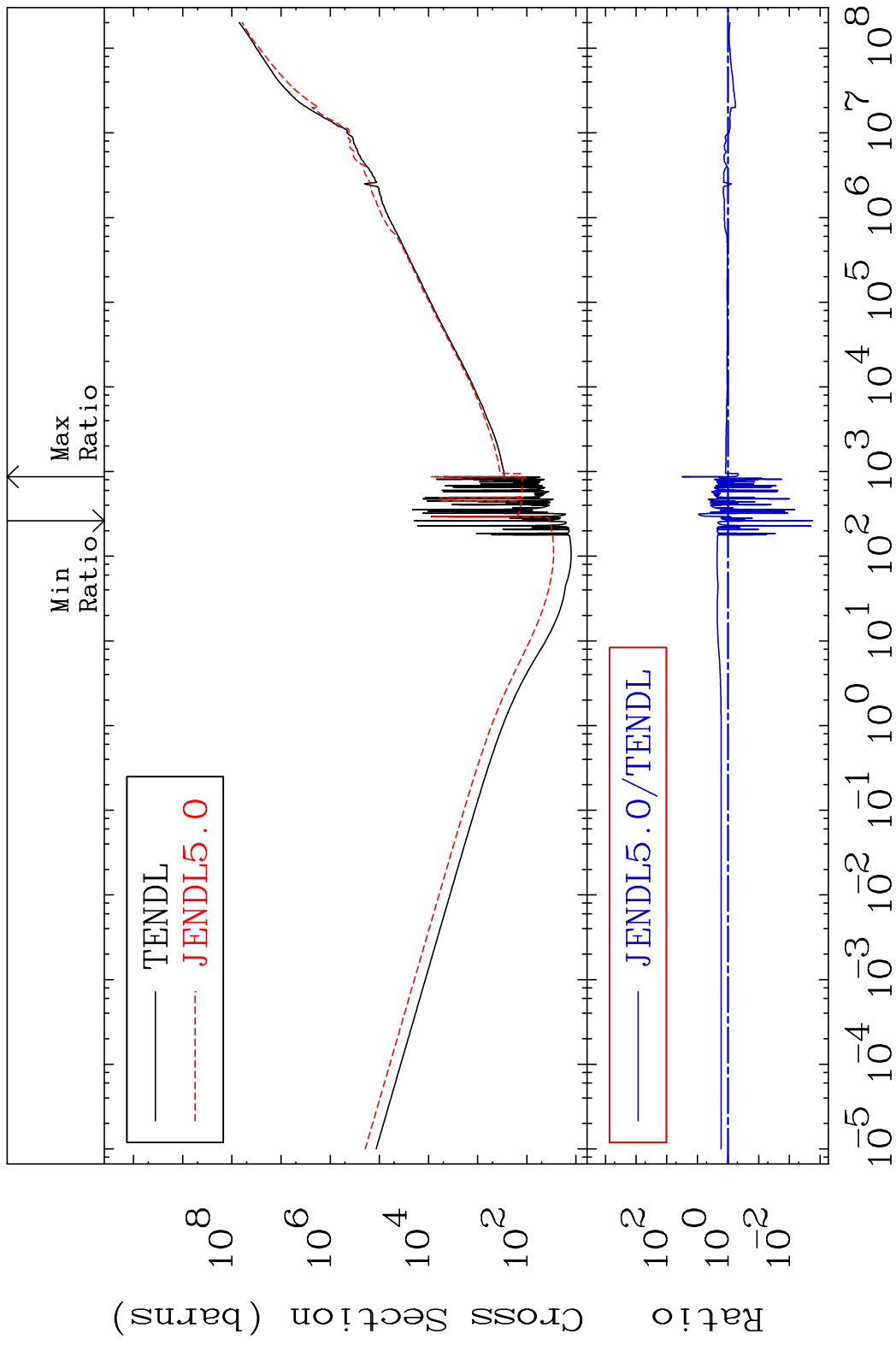


54

Incident Energy (eV)

50-Sn-115

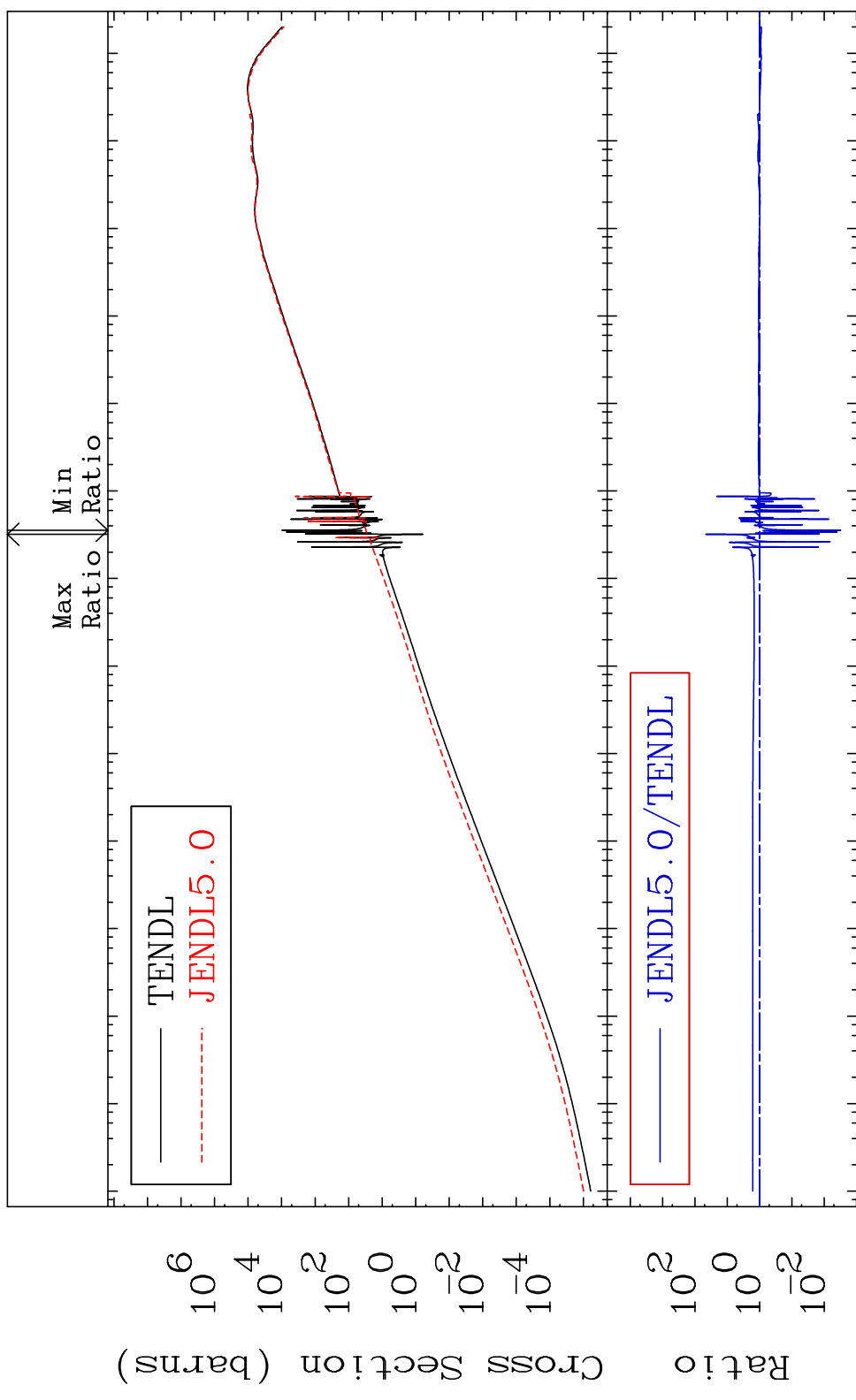
MAT 5034 Kerma total (eV-barns) 50-Sn-115  
Cross Section -99.82 To 2997. %



55 Incident Energy (eV) 50-Sn-115

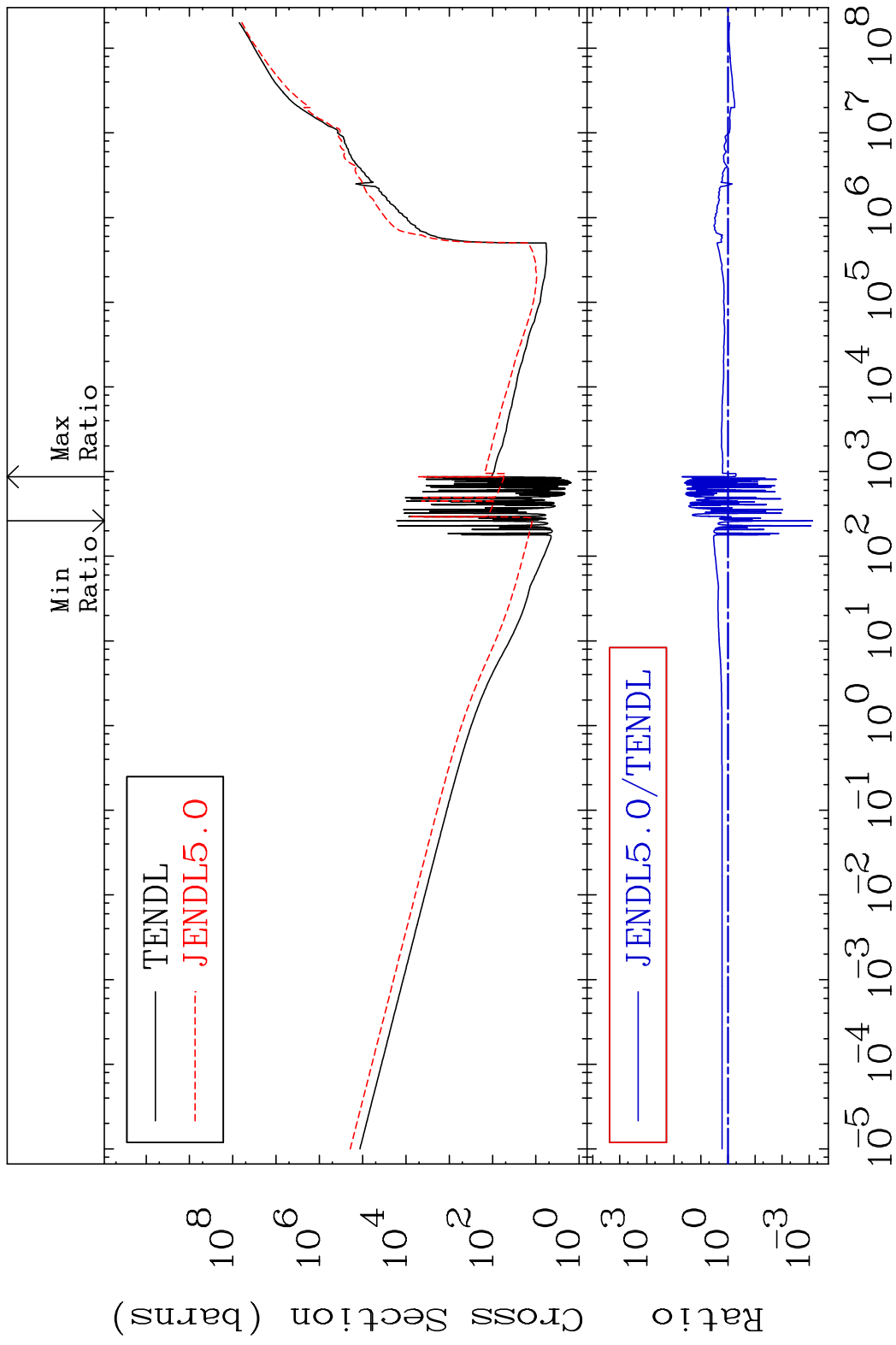
MAT 5034

Kerma elastic Cross Section -99.68 To 4526. %  
50-Sn-115



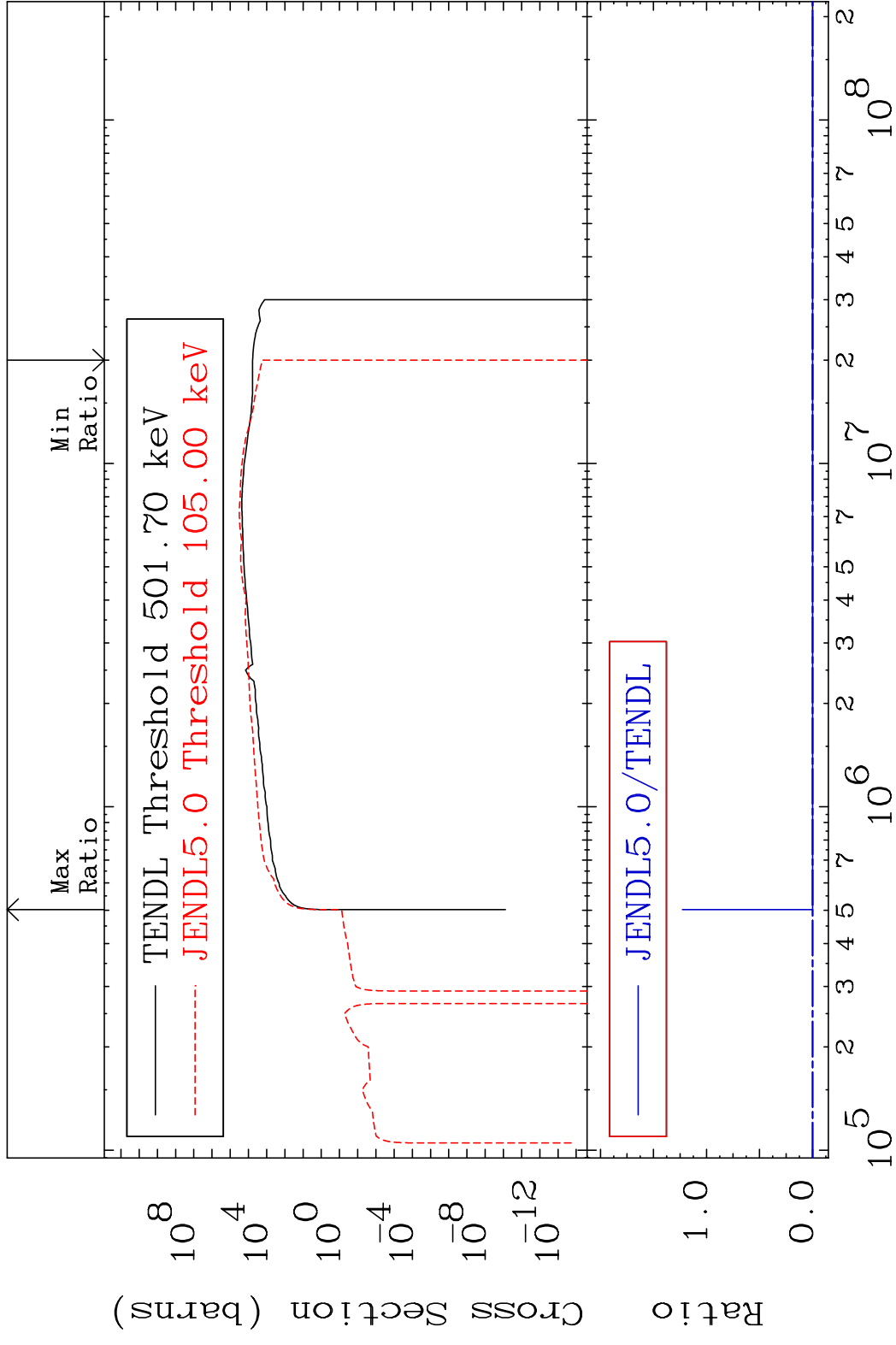
Incident Energy (eV) 50-Sn-115

MAT 5034 Kerma non-elastic (all but mt2) 50-Sn-115  
 Cross Section -99.93 To 4757. %



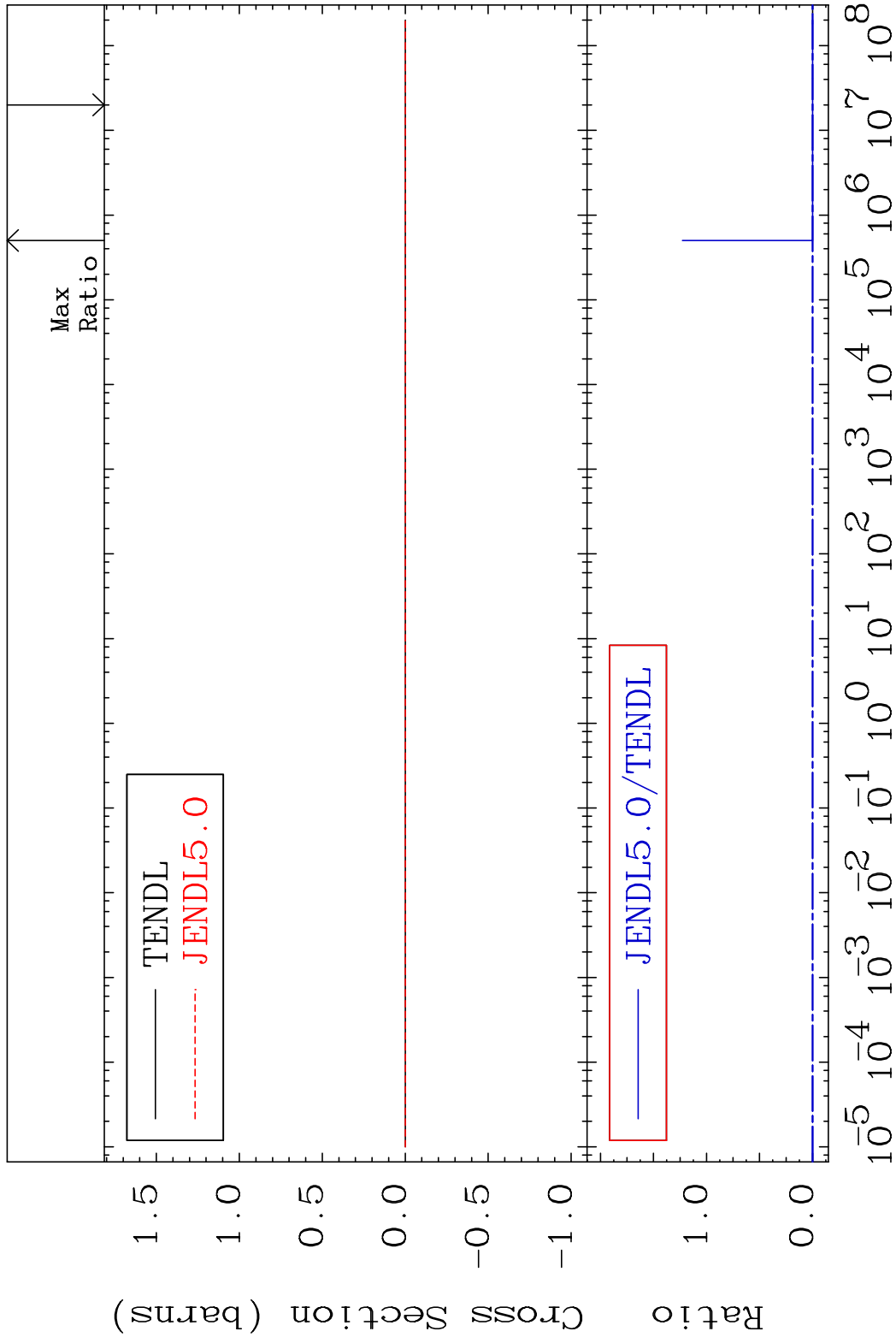
57 Incident Energy (eV) 50-Sn-115

MAT 5034 Kerma inelastic (mt51-91) 50-Sn-115  
 Cross Section -100.0 To 9999. %

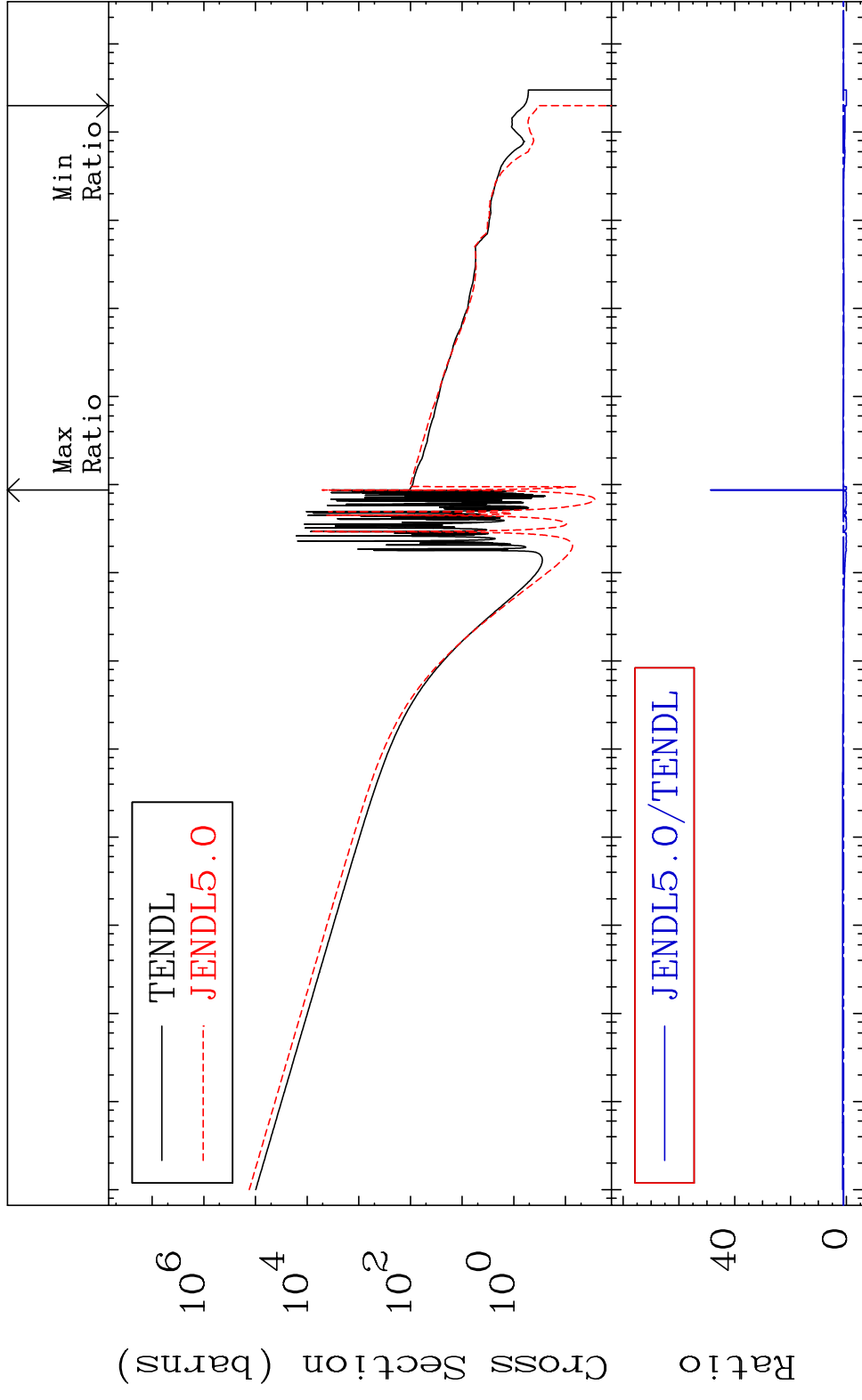


58 Incident Energy (eV) 50-Sn-115

MAT 5034 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-115  
 Cross Section -100.0 To 9999. %

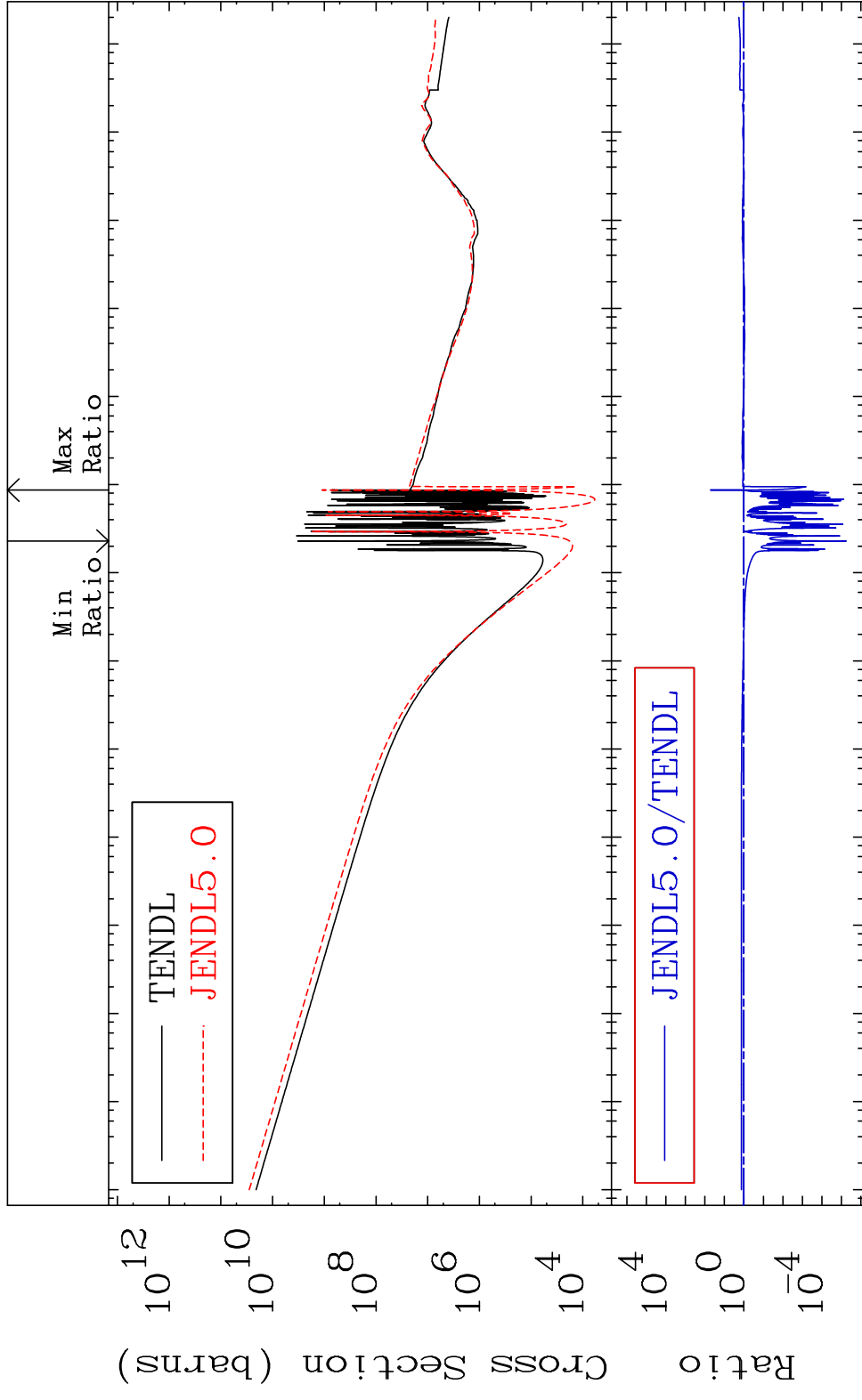


MAT 5034 Kerma capture (mt102) 50-Sn-115  
Cross Section -100.0 To 4761. %



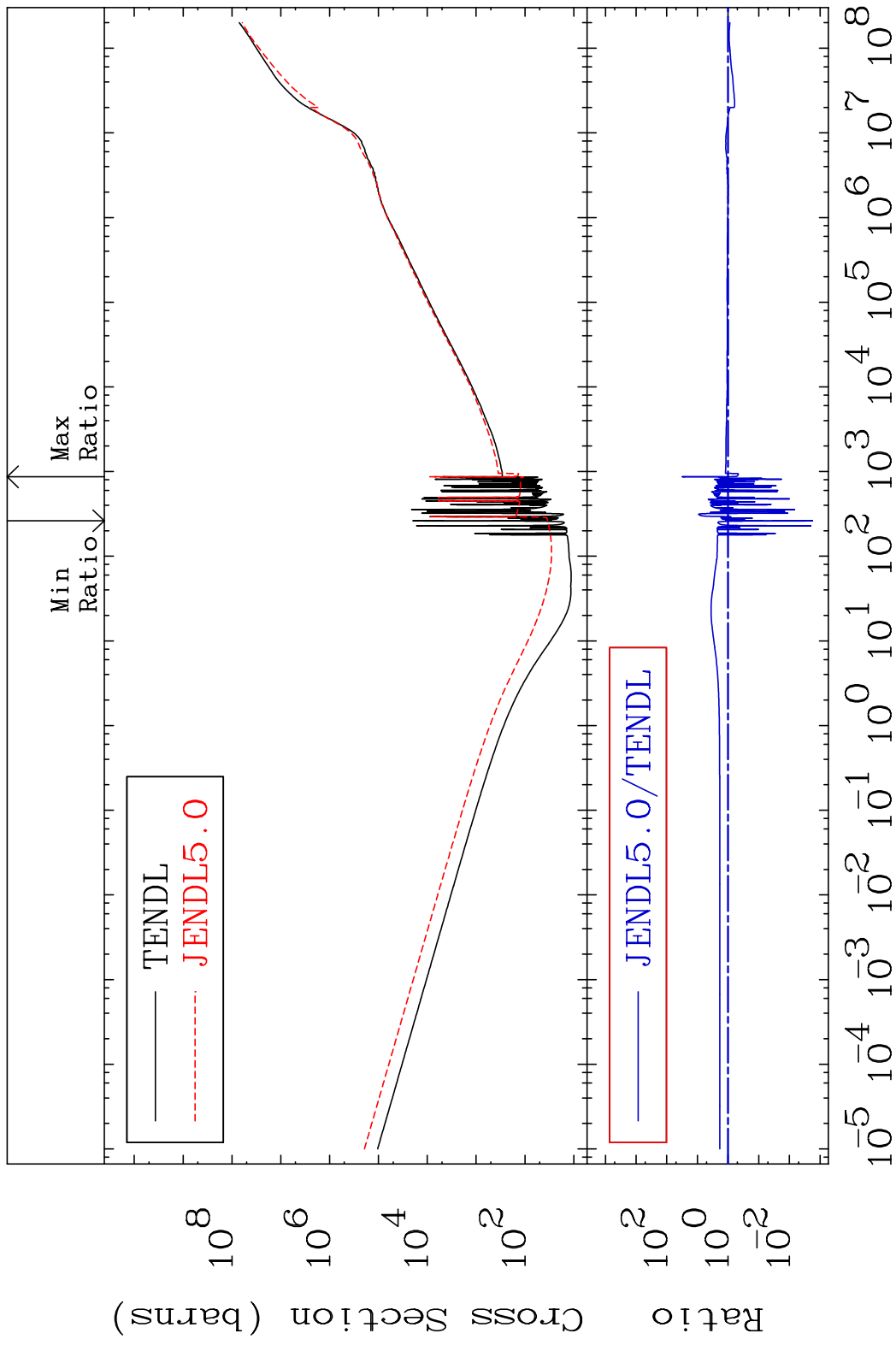
Incident Energy (eV) 50-Sn-115

MAT 5034 Total photon (eV-barns) 50-Sn-115  
 Cross Section -100.0 To 4907. %

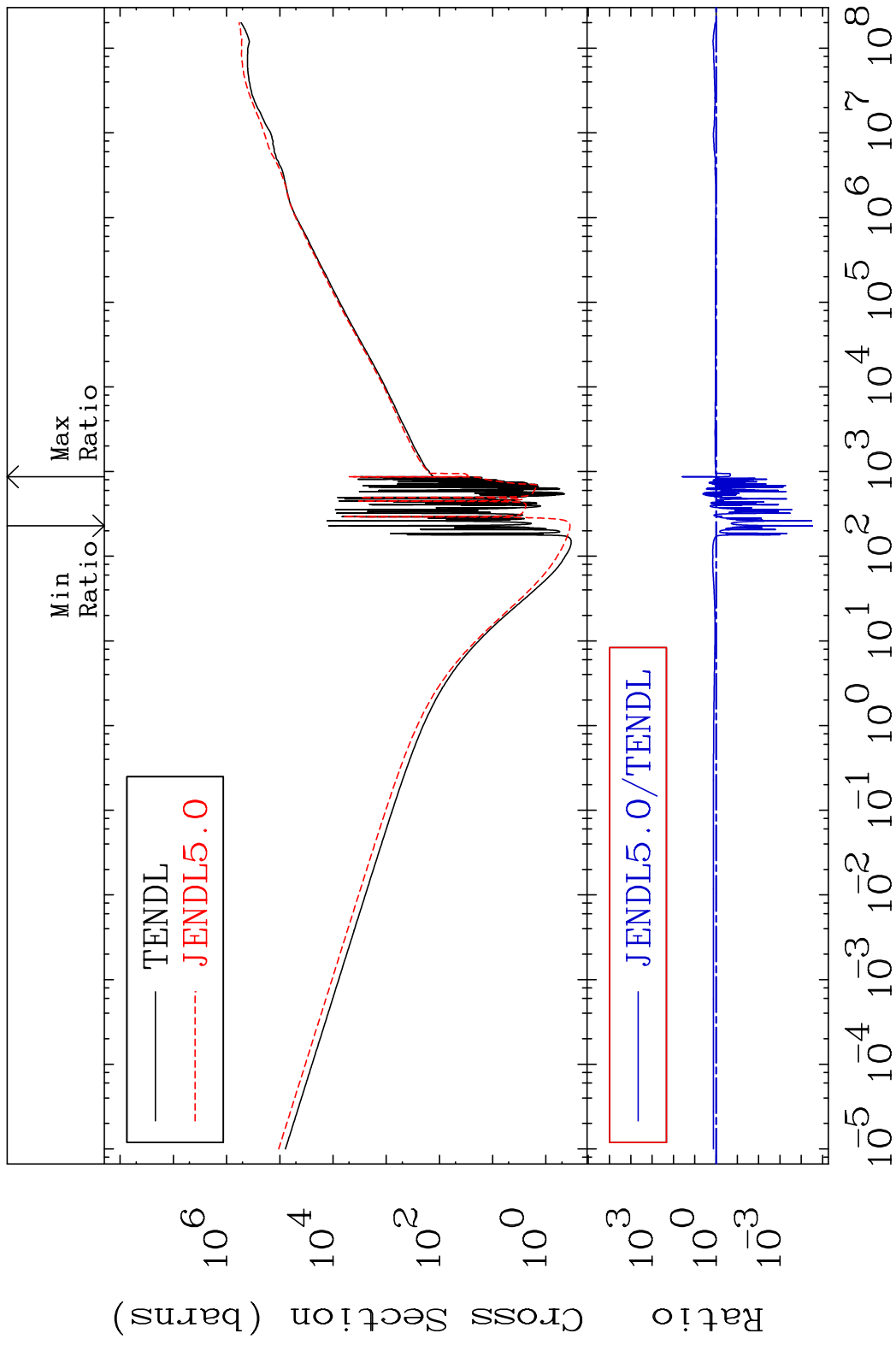


61 Incident Energy (eV) 50-Sn-115

MAT 5034 Total kinematic kerma (high limit) 50-Sn-115  
 Cross Section -99.82 To 2997. %



MAT 5034 Dpa total (eV-barns) 50-Sn-115  
 Cross Section -100.0 To 3709. %

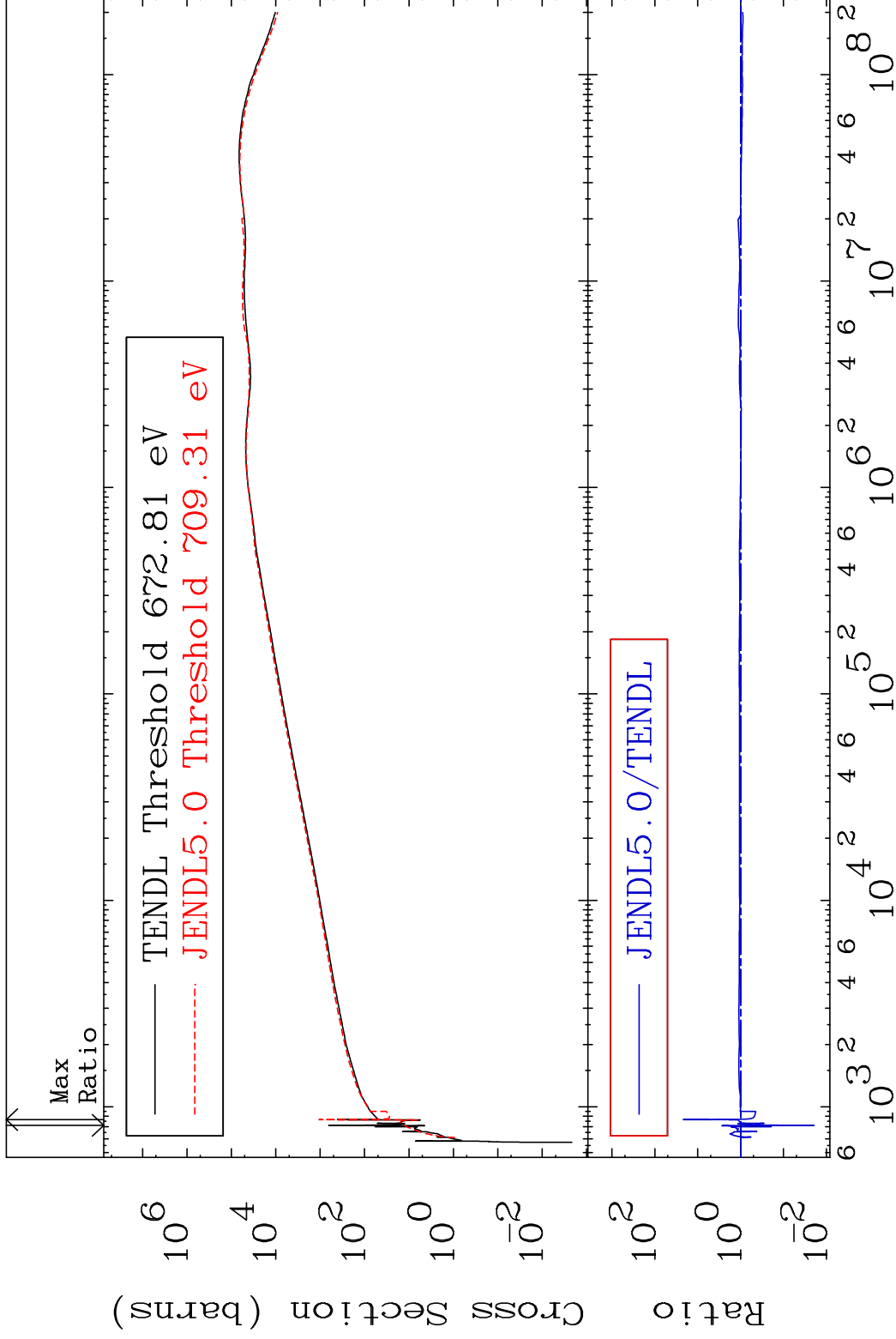


MAT 5034

Dpa elastic (mt2)

50-Sn-115

Cross Section -98.05 To 2056. %



64

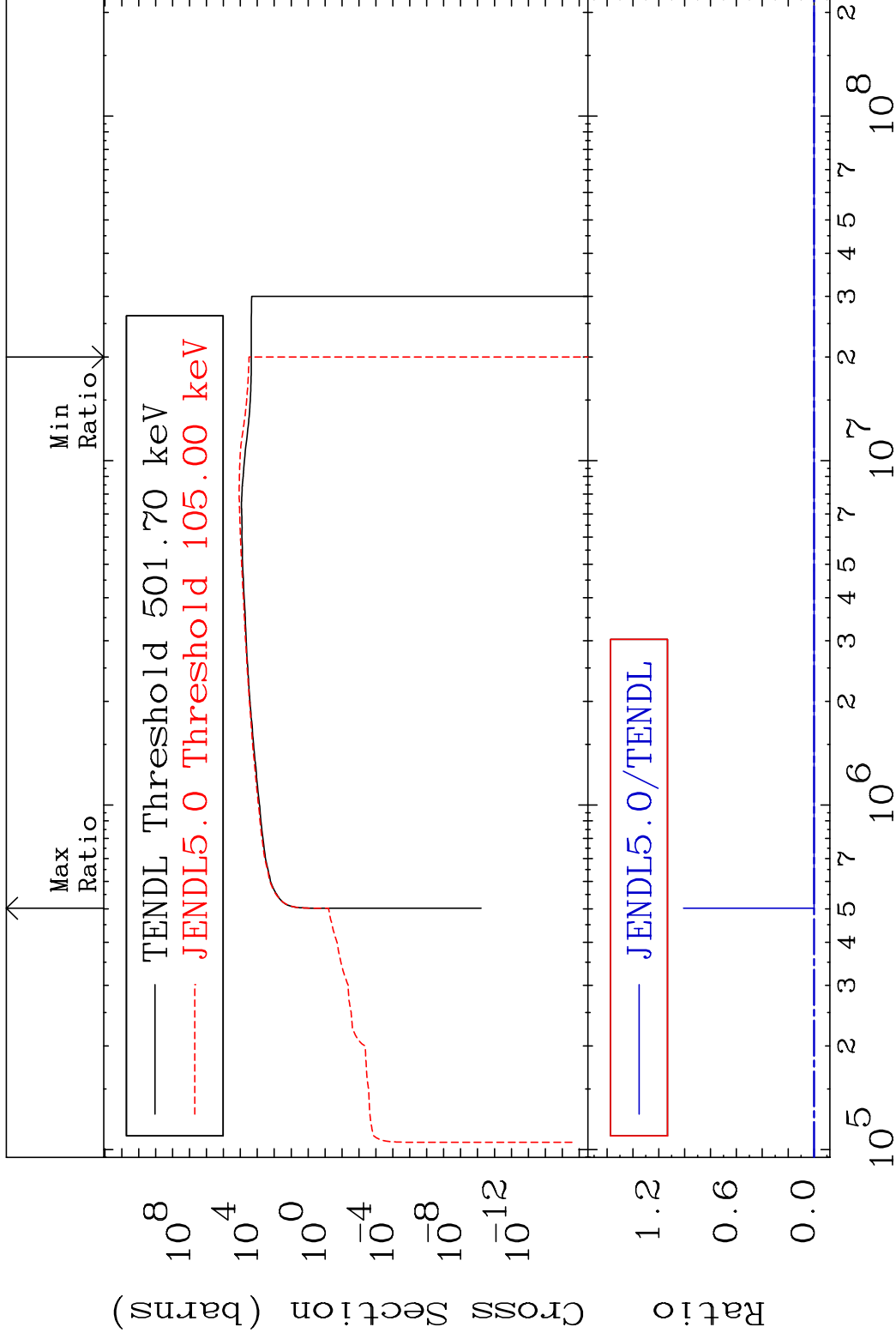
Incident Energy (eV)

50-Sn-115

MAT 5034

Dpa inelastic (mt51-91) 50-Sn-115

Cross Section -100.0 To 9999. %

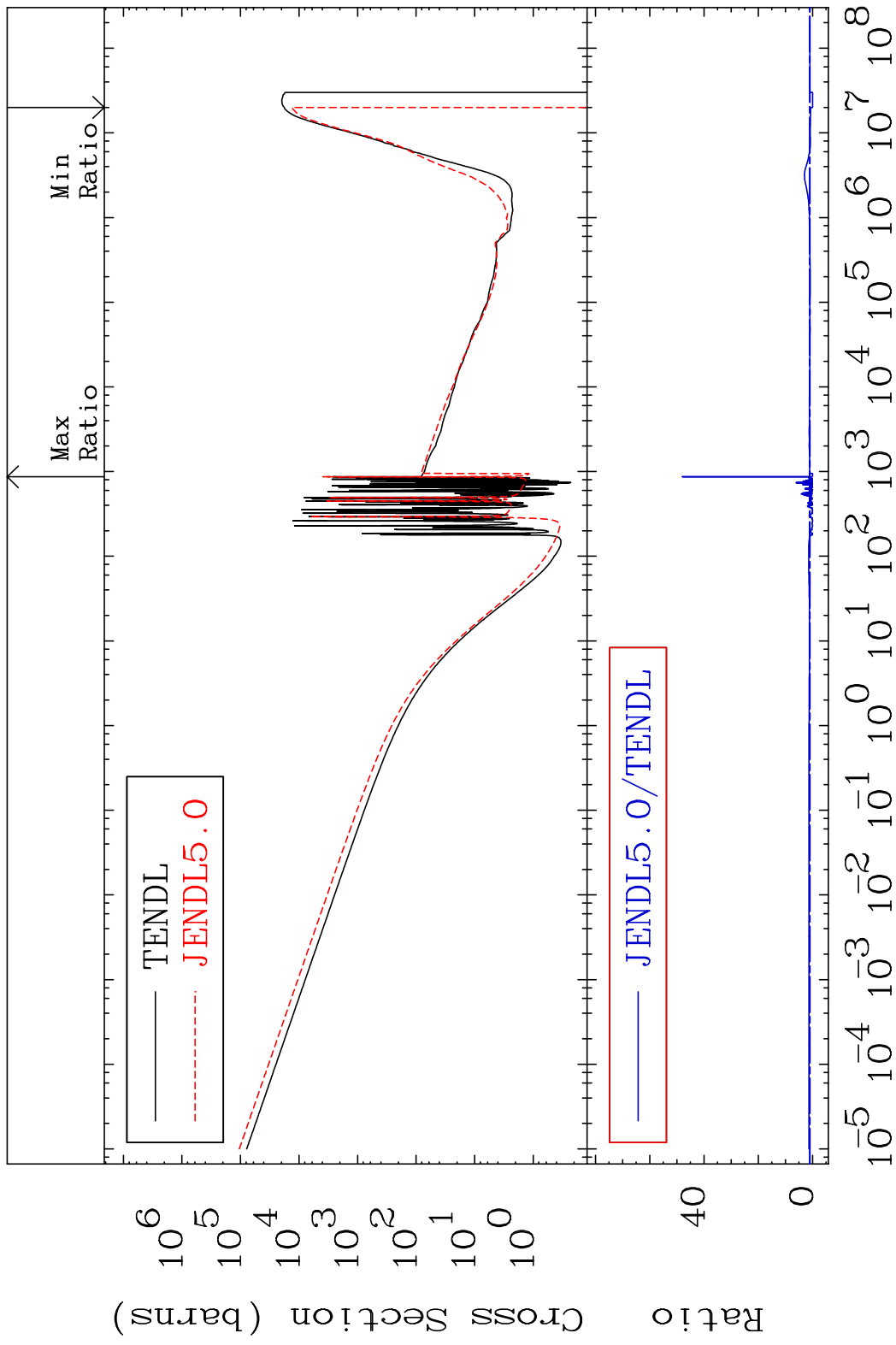


65

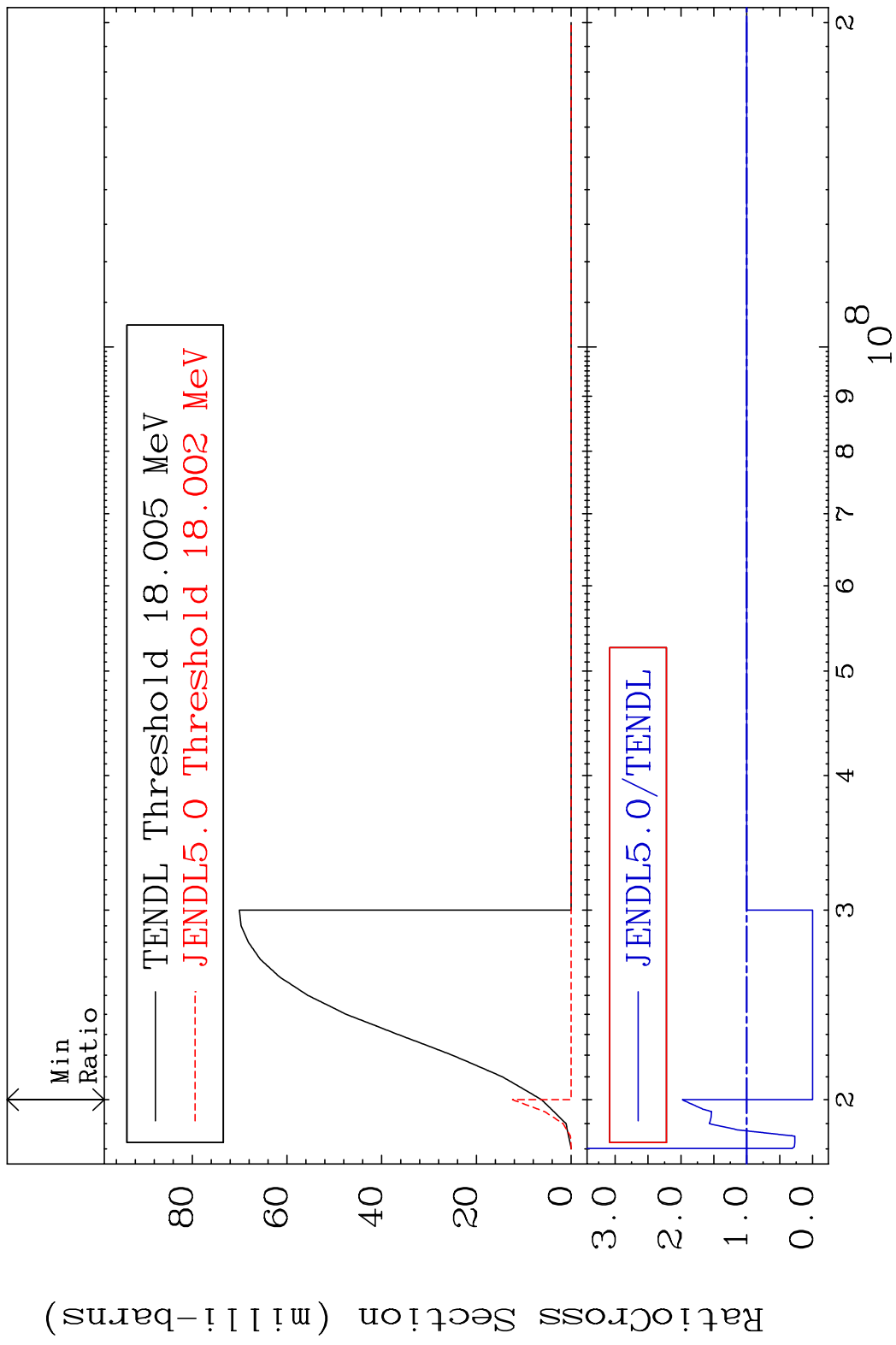
Incident Energy (eV)

50-Sn-115

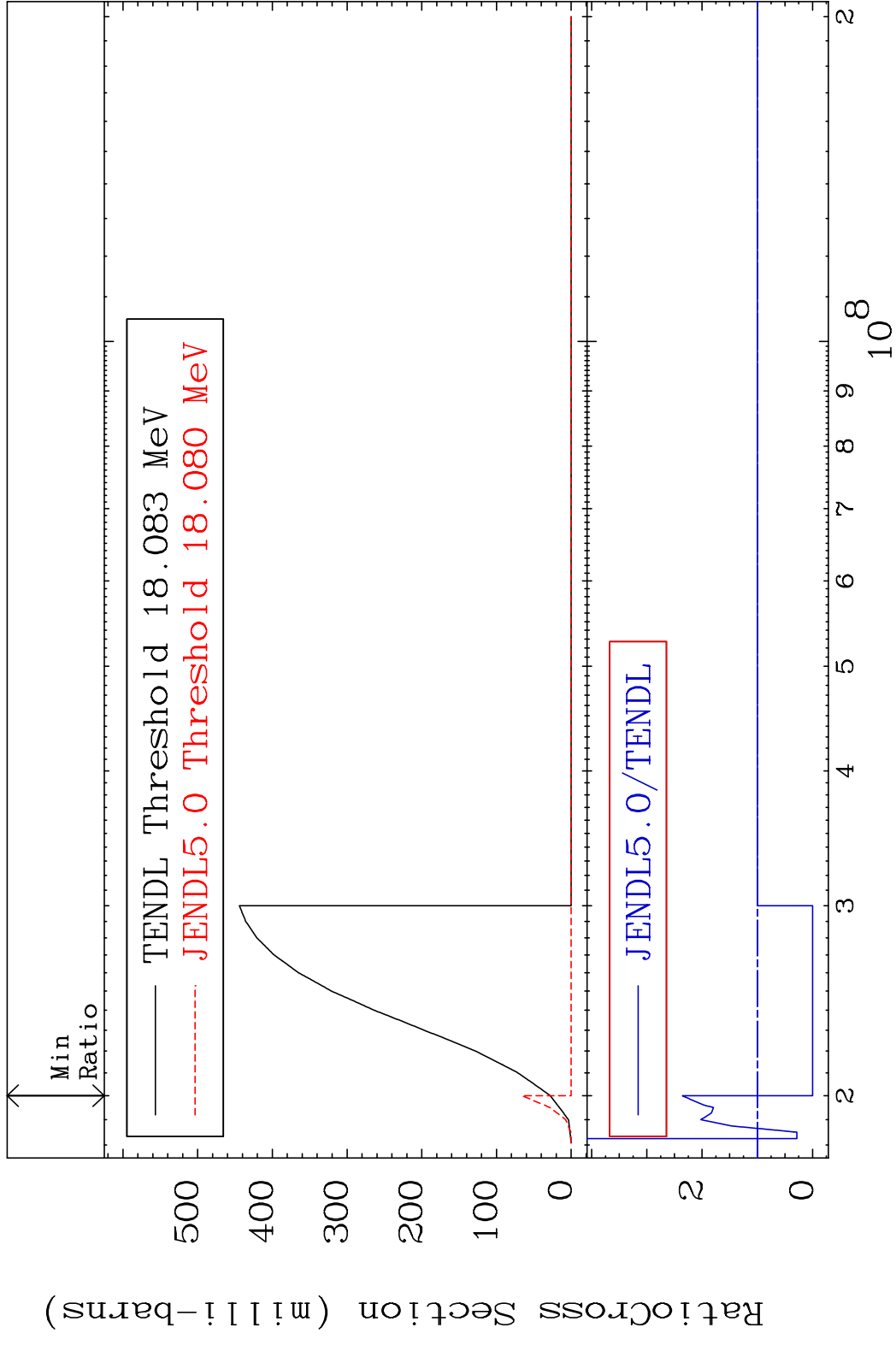
MAT 5034 Dpa disappearance (mt102 -120) 50-Sn-115  
 Cross Section -100.0 To 4698. %

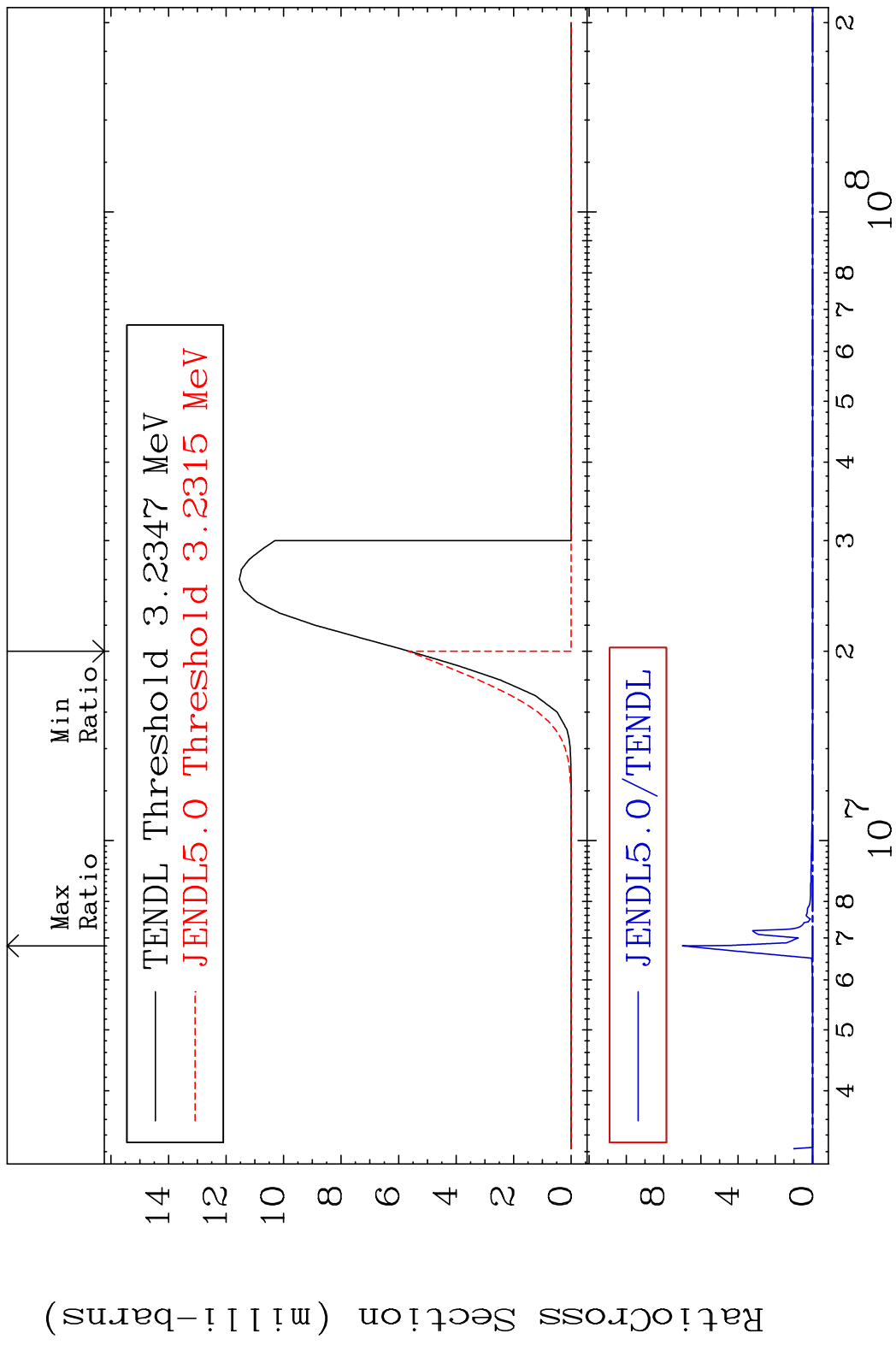


MAT 5034 (n,3n):50-Sn-113g 50-Sn-115  
 Radionuclide Production Cross Section 180.01 dth 97.88 %

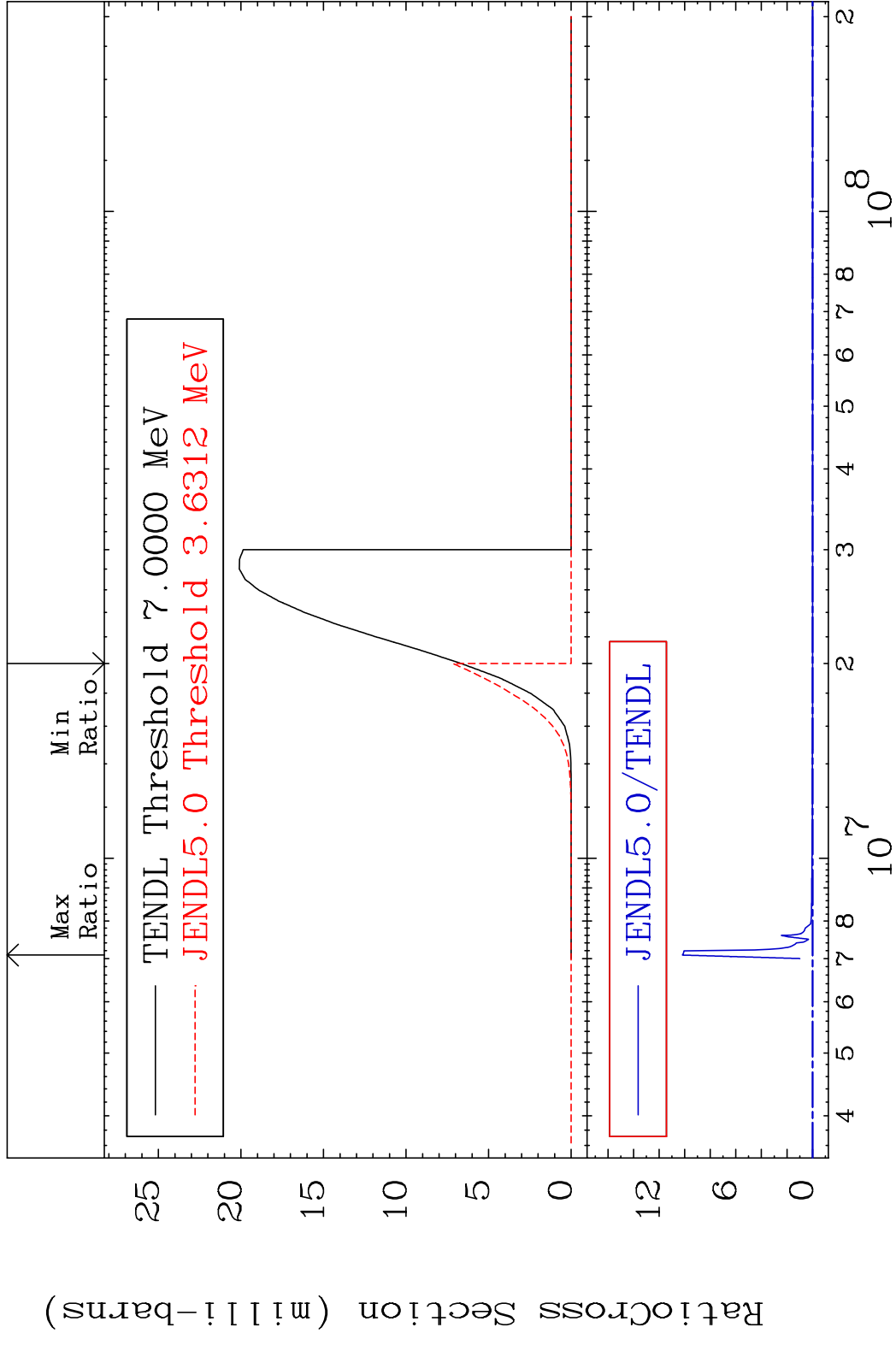


MAT 5034 (n, 3n):50-Sn-113m1 50-Sn-115  
 Radionuclide Production Cross Section 135.7 %



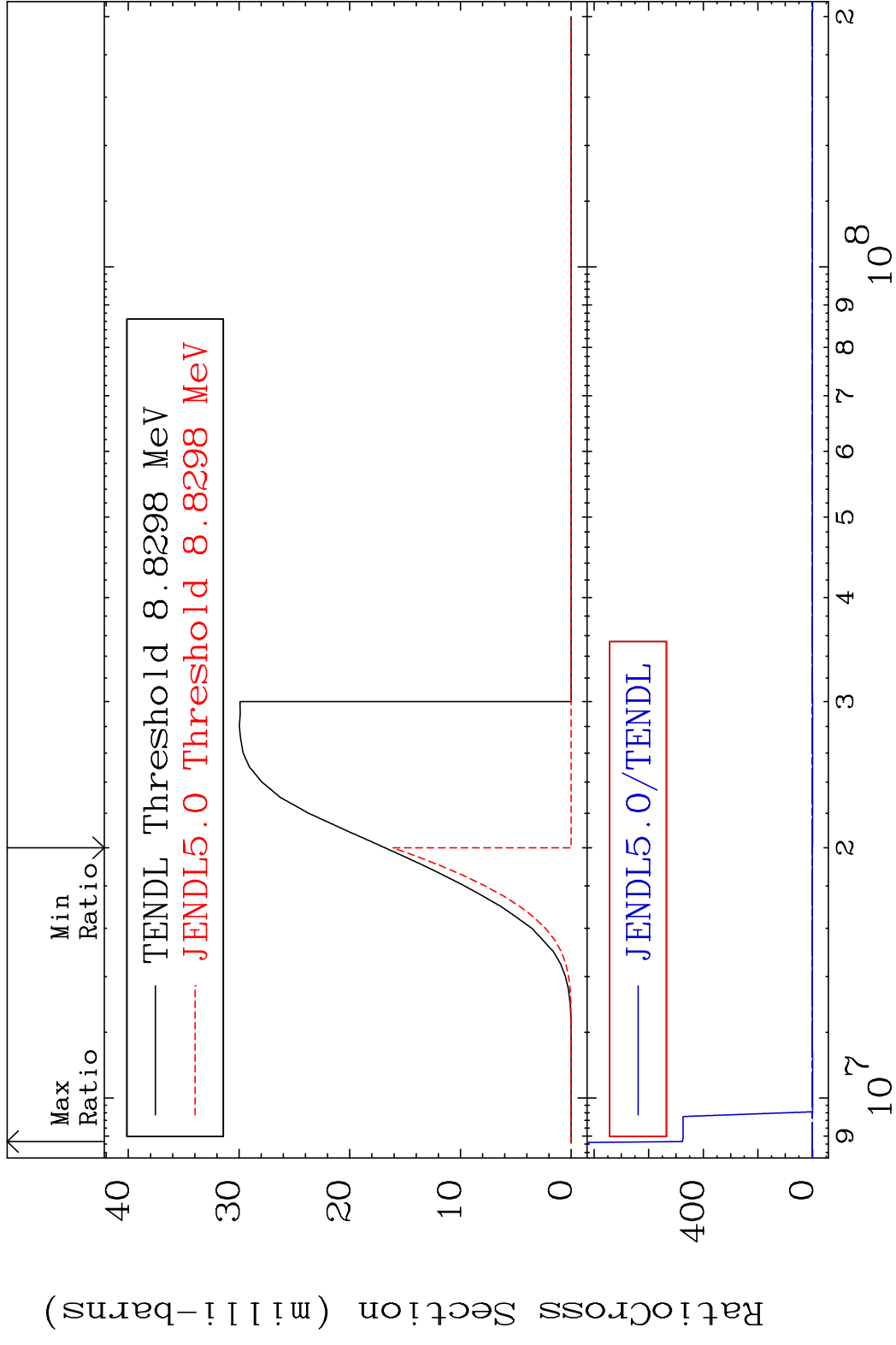


MAT 5034 (n, n')  $\alpha$ :48-Cd-111m3 50-Sn-115  
 Radionuclide Production Cross Section 1800.0 dth 9999. %



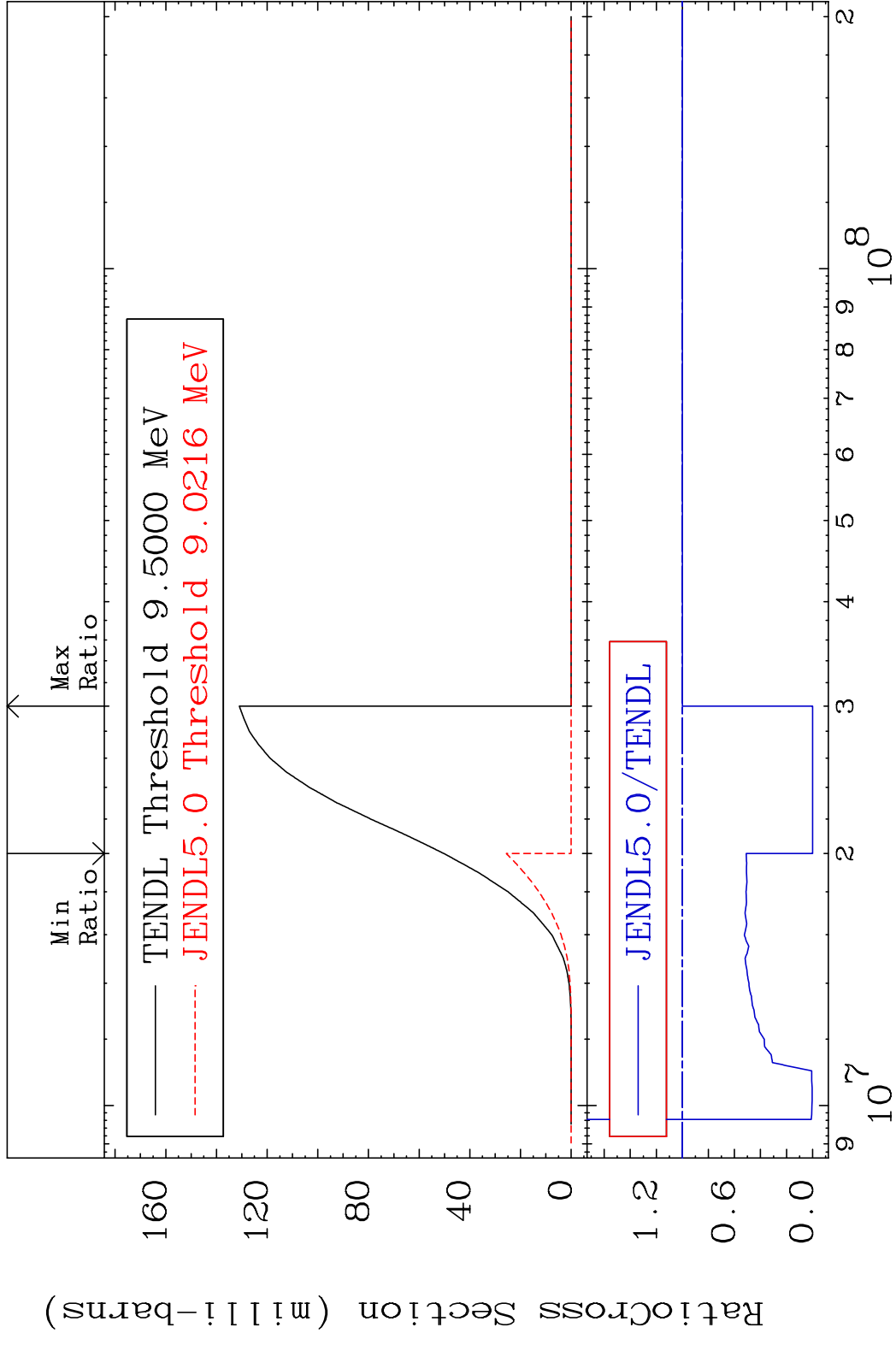
70 Incident Energy (eV) 50-Sn-115

MAT 5034 (n, n') p:49-In-114g 50-Sn-115  
 Radionuclide Production Cross Section 100.00 dth 9999. %



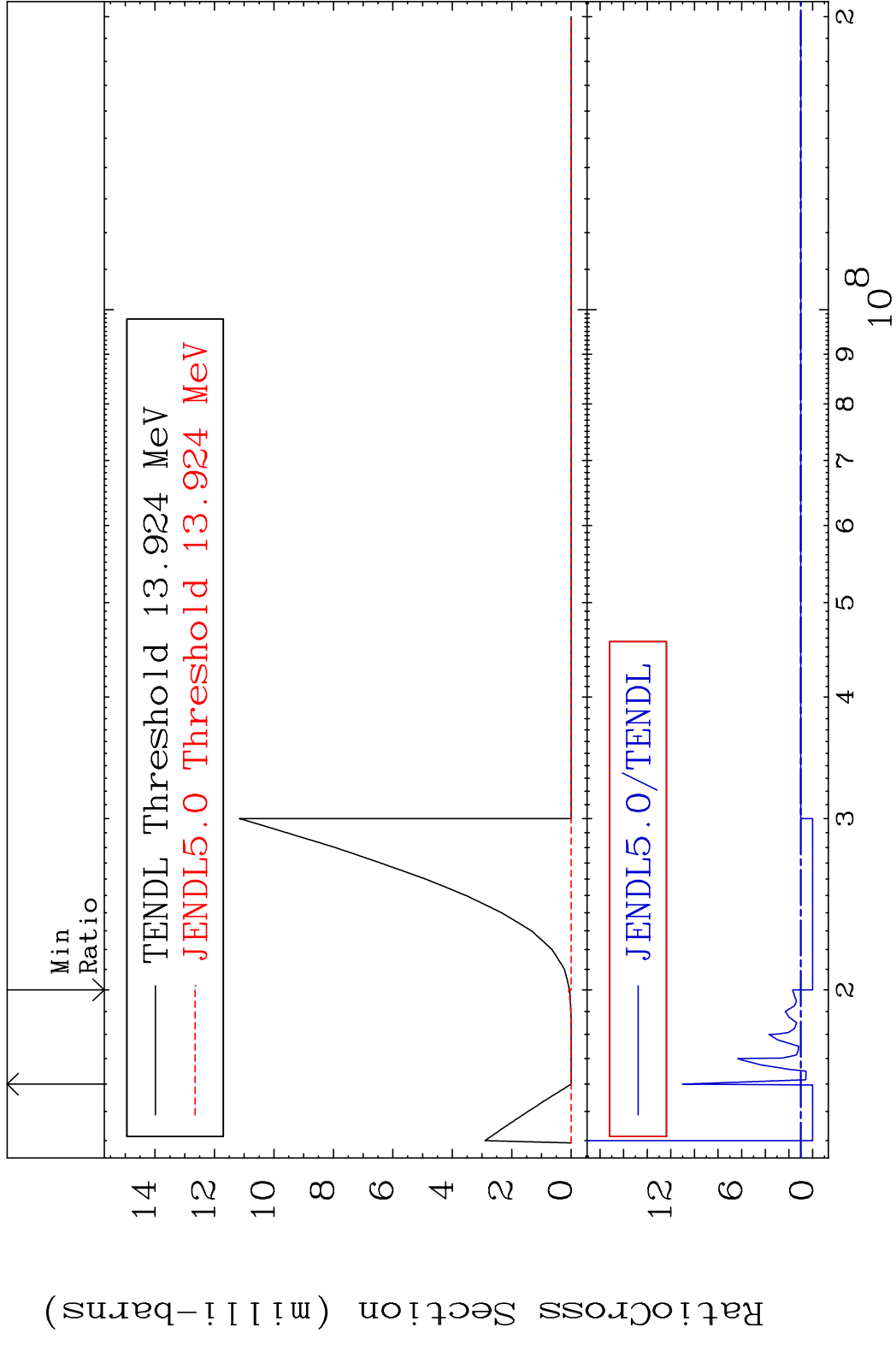
71 Incident Energy (eV) 50-Sn-115

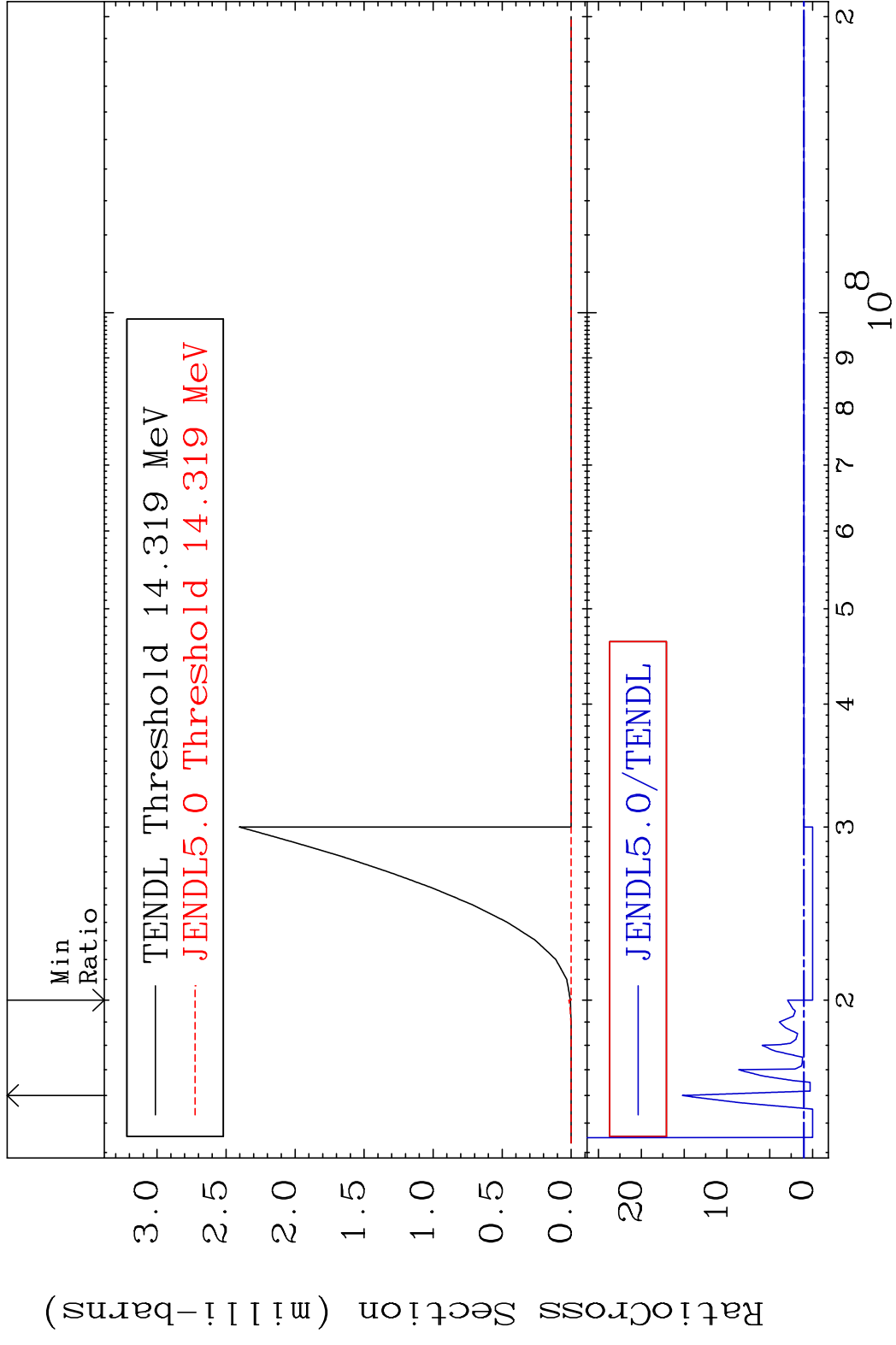
MAT 5034 (n, n') p:49-In-114m1 50-Sn-115  
 Radionuclide Production Cross Section 180.0 dth 0.000 %



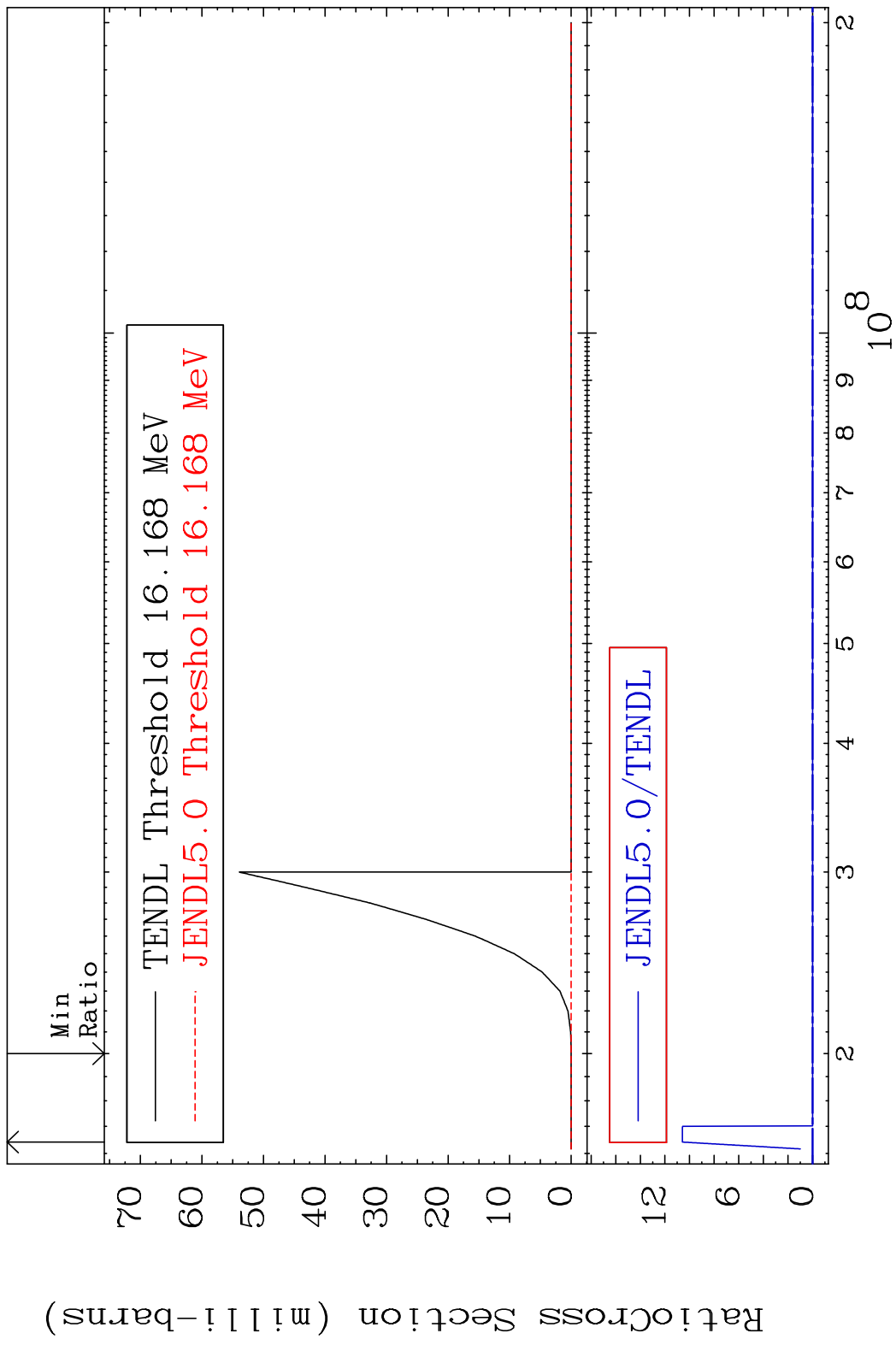
72 Incident Energy (eV) 50-Sn-115

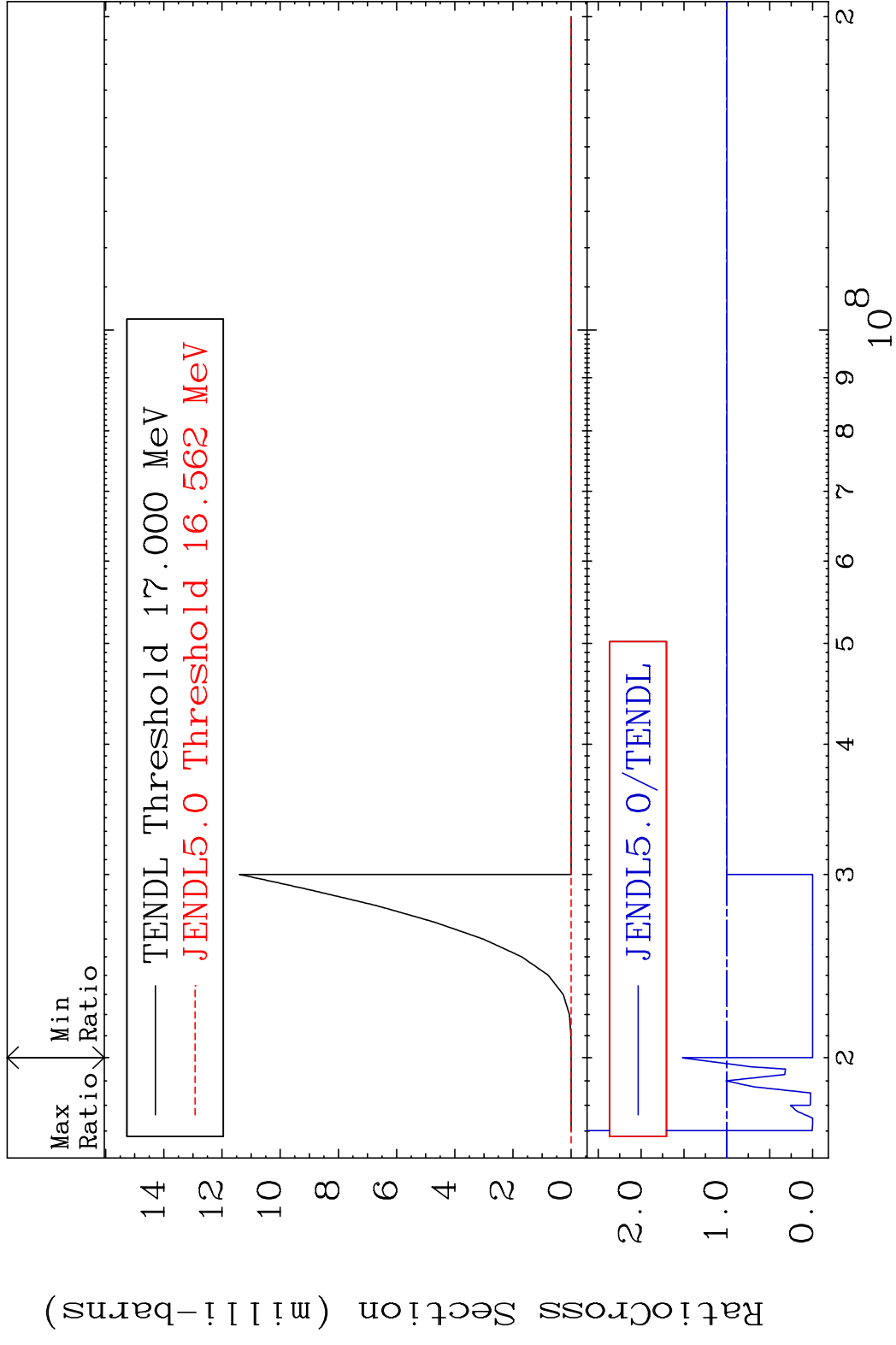
MAT 5034 (n, n') d:49-In-113g 50-Sn-115  
 Radionuclide Production Cross Section 100% 1002. %



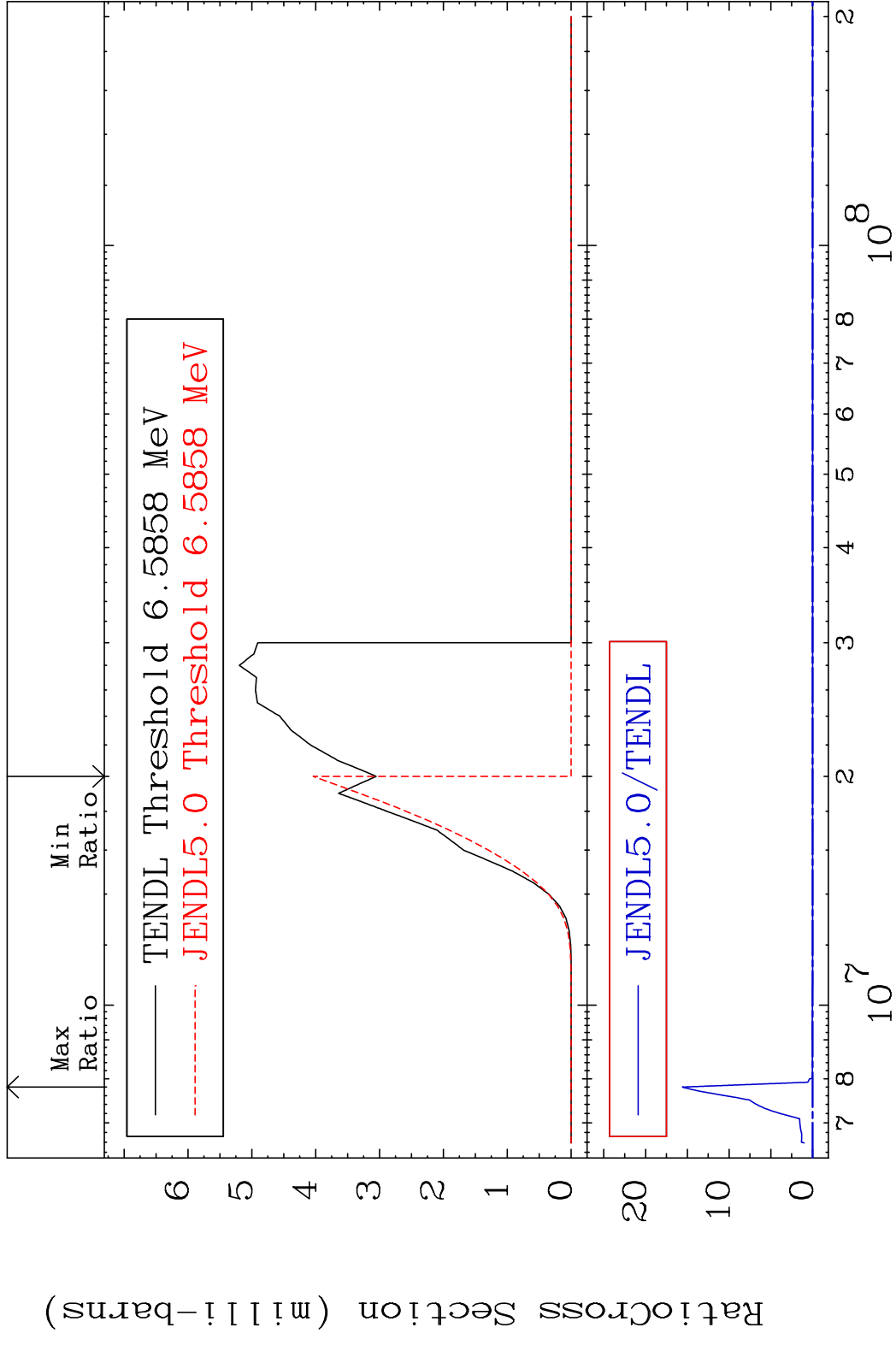


MAT 5034 (n,2n) p:49-In-113g 50-Sn-115  
 Radionuclide Production Cross Section 100.00 dth 9999. %

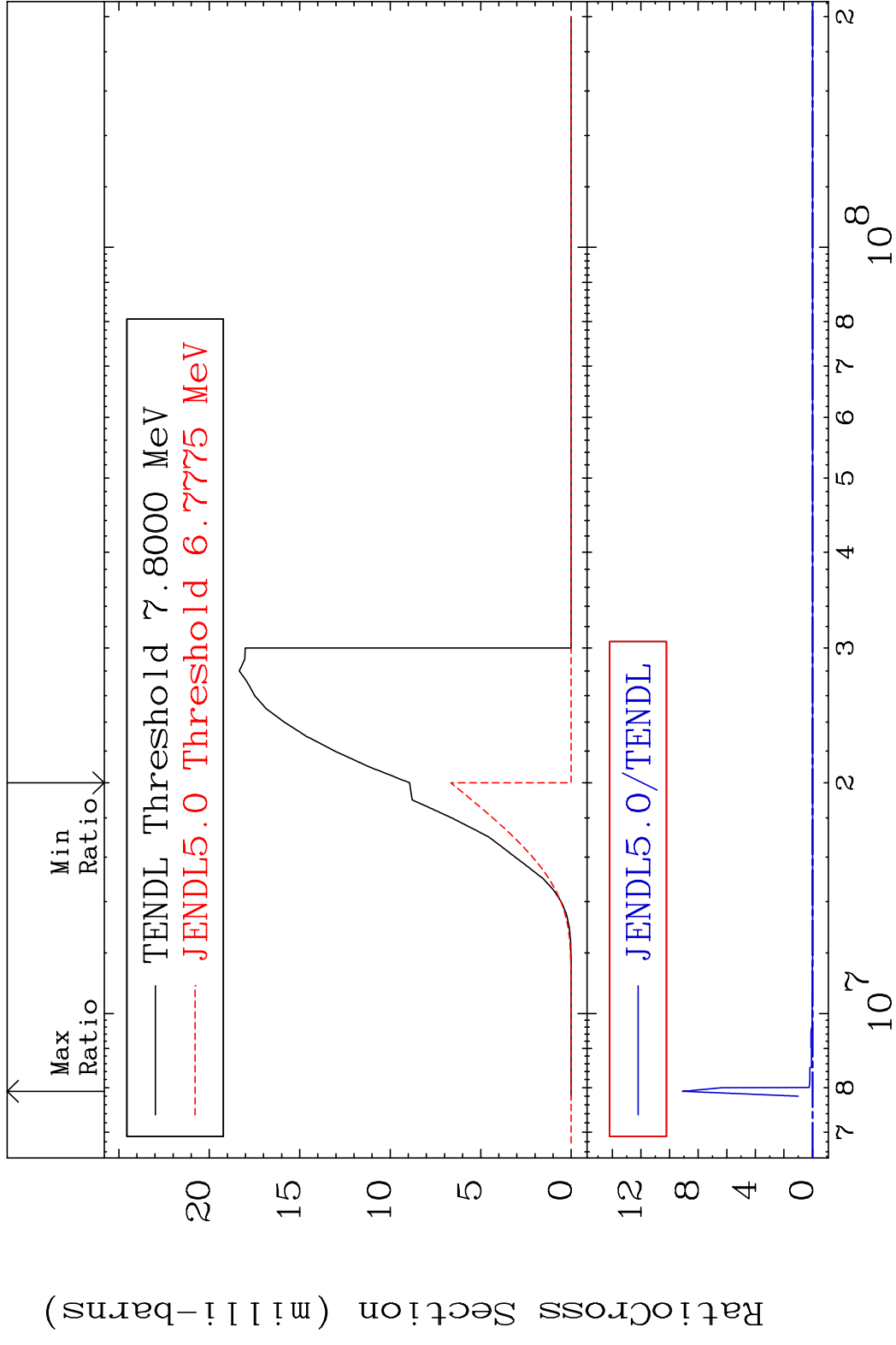




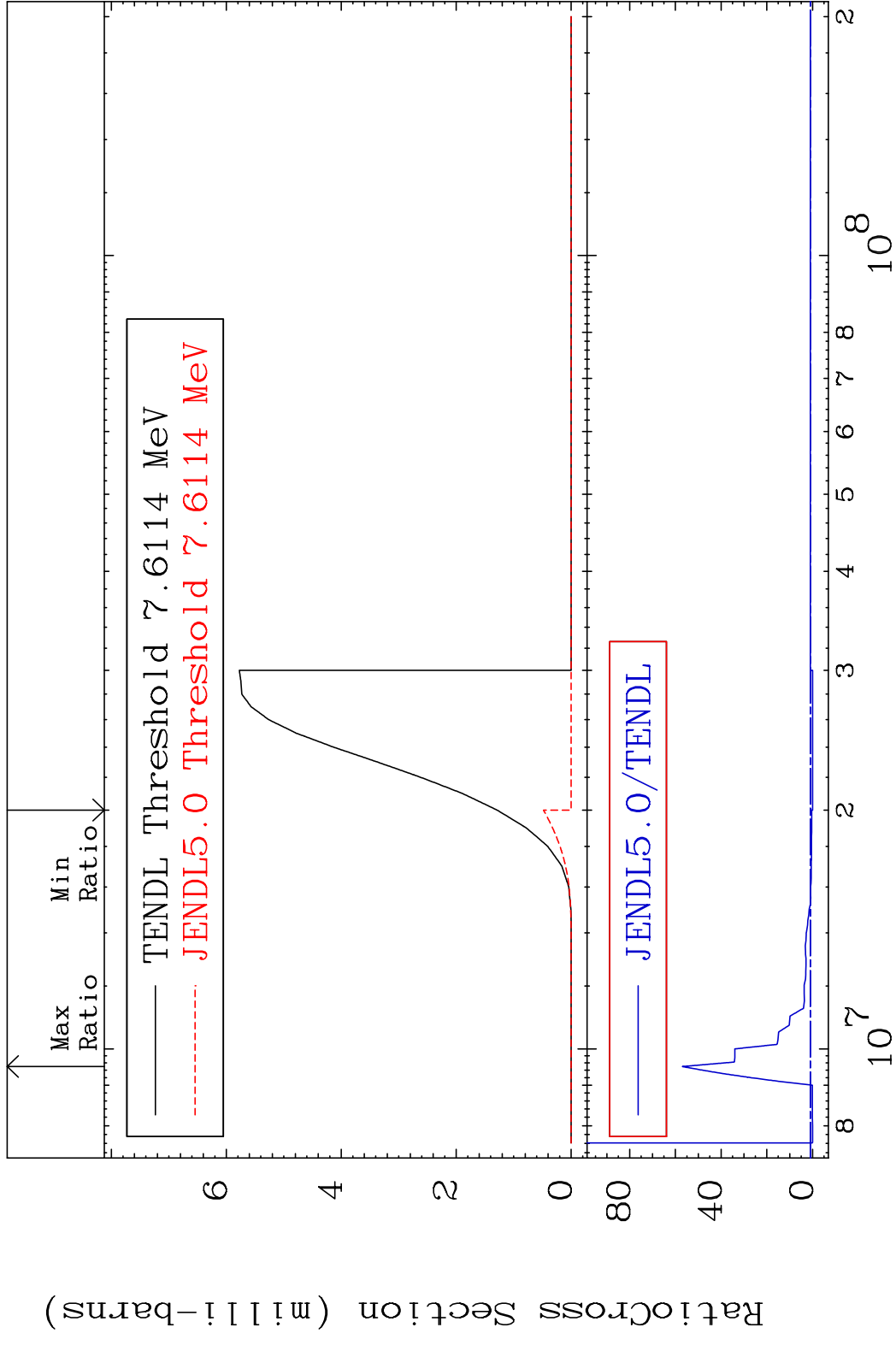
MAT 5034 (n,d):49-In-114g 50-Sn-115  
 Radionuclide Production Cross Section 100.00 dth 9999. %



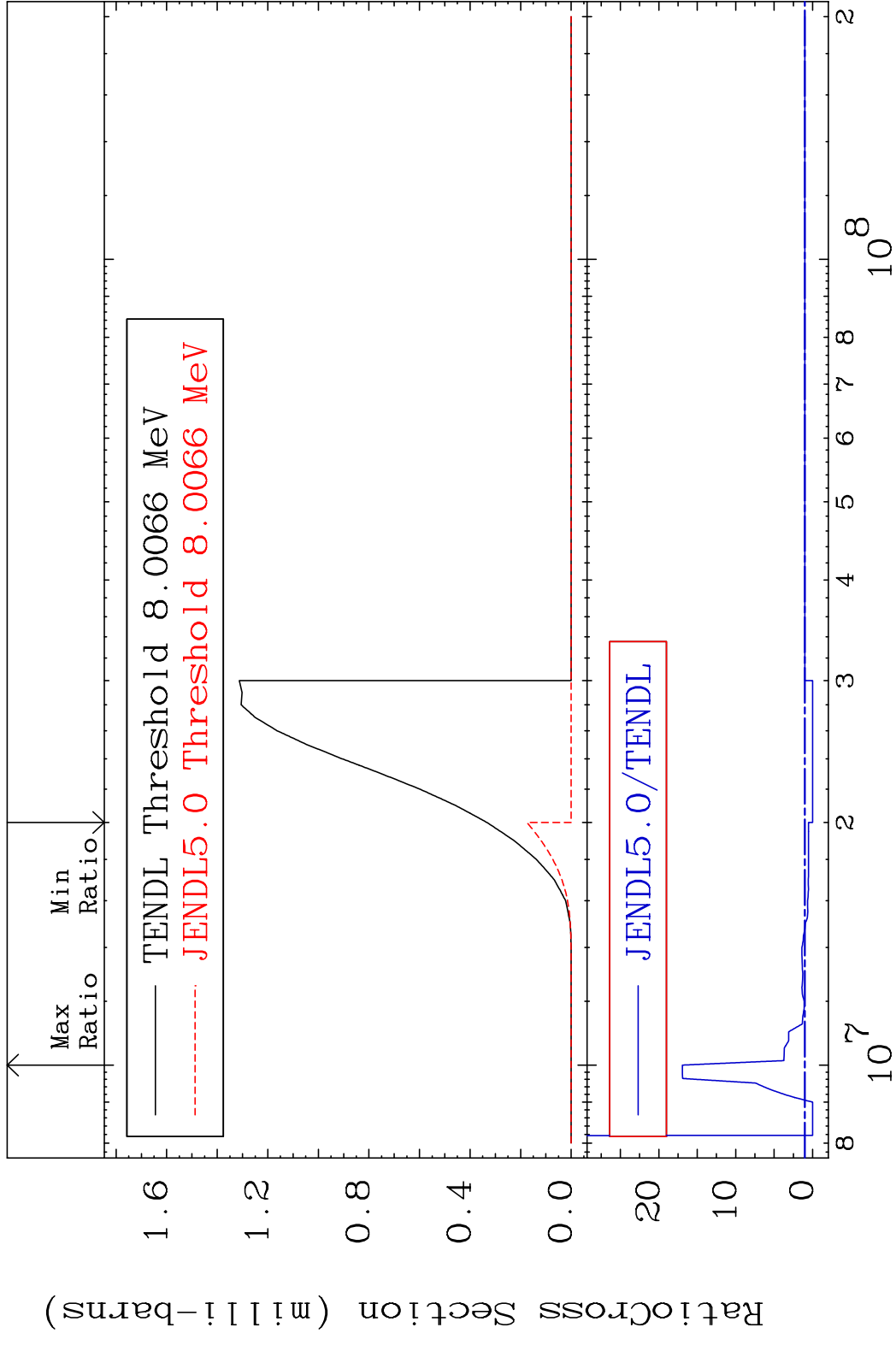
MAT 5034 (n,d):49-In-114m1 50-Sn-115  
 Radionuclide Production Cross Section 100.00 %



MAT 5034 (n,t):49-In-113g 50-Sn-115  
 Radionuclide Production Cross Section 5596. %



MAT 5034 (n, t): 49-In-113m1 50-Sn-115  
 Radionuclide Production Cross Section 1594.0 %



80 Incident Energy (eV) 50-Sn-115