

Program Complot  
(Version 2021-1)

by

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(Present Contact Information)

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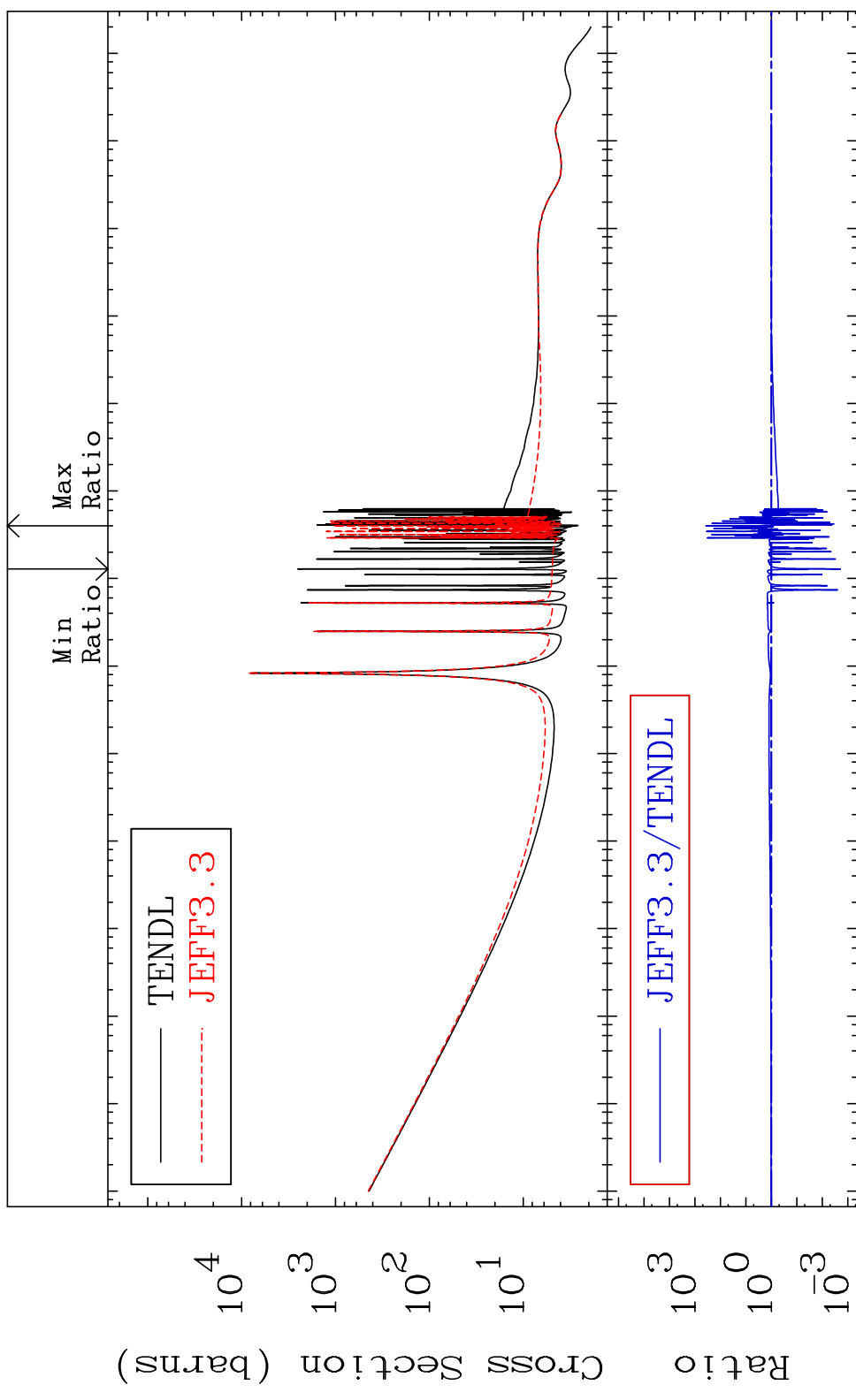
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 5028

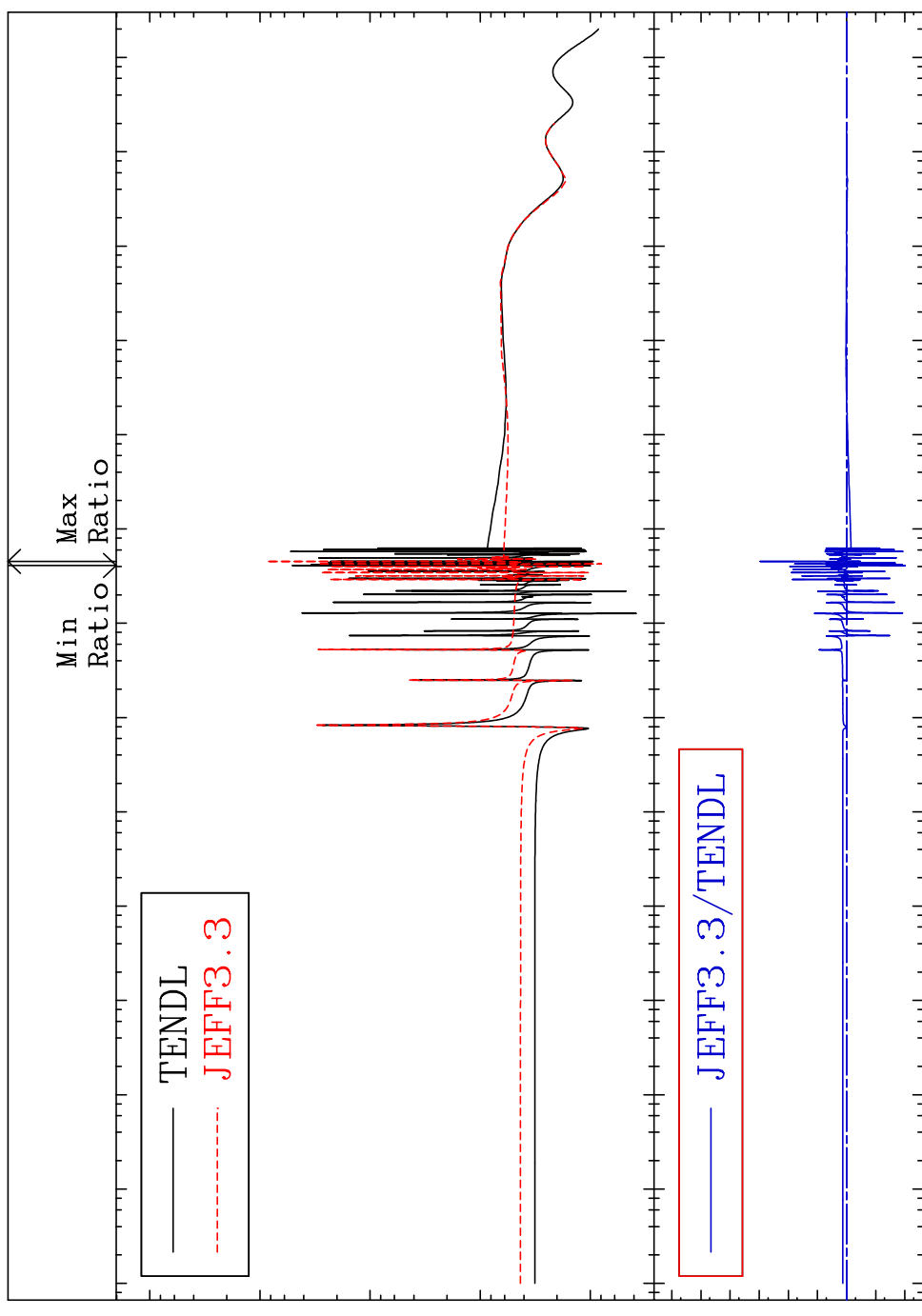
Total Cross Section -99.80 To 9999. %  
50-Sn-113



1 Incident Energy (eV) 50-Sn-113

MAT 5028

Elastic Cross Section -99.03 To 9999. %  
50-Sn-113

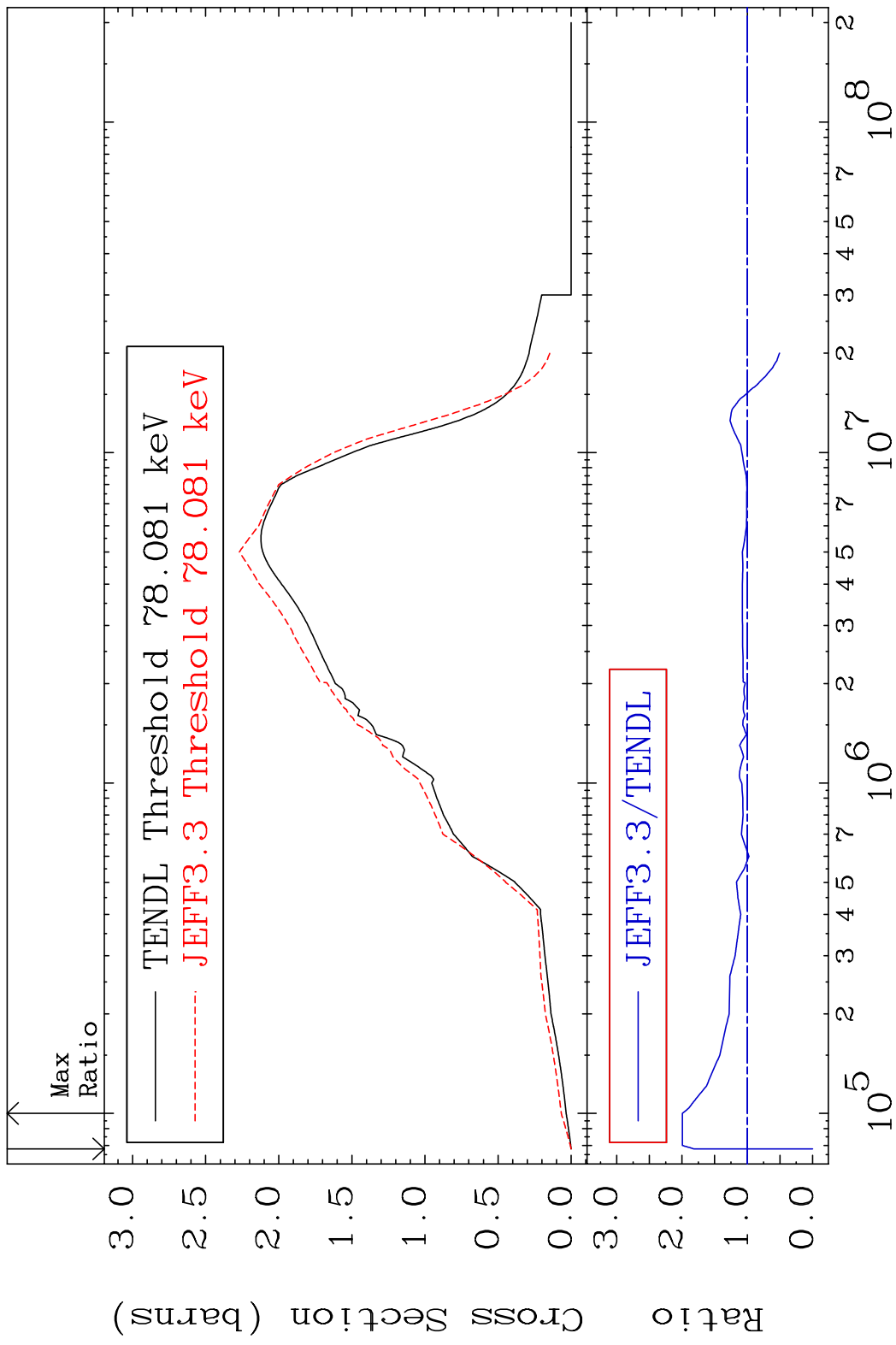


Cross Section (barns)  
Ratio

Incident Energy (eV)

2 50-Sn-113

MAT 5028 Inelastic 50-Sn-113  
Cross Section -100.0 To 99.46 %



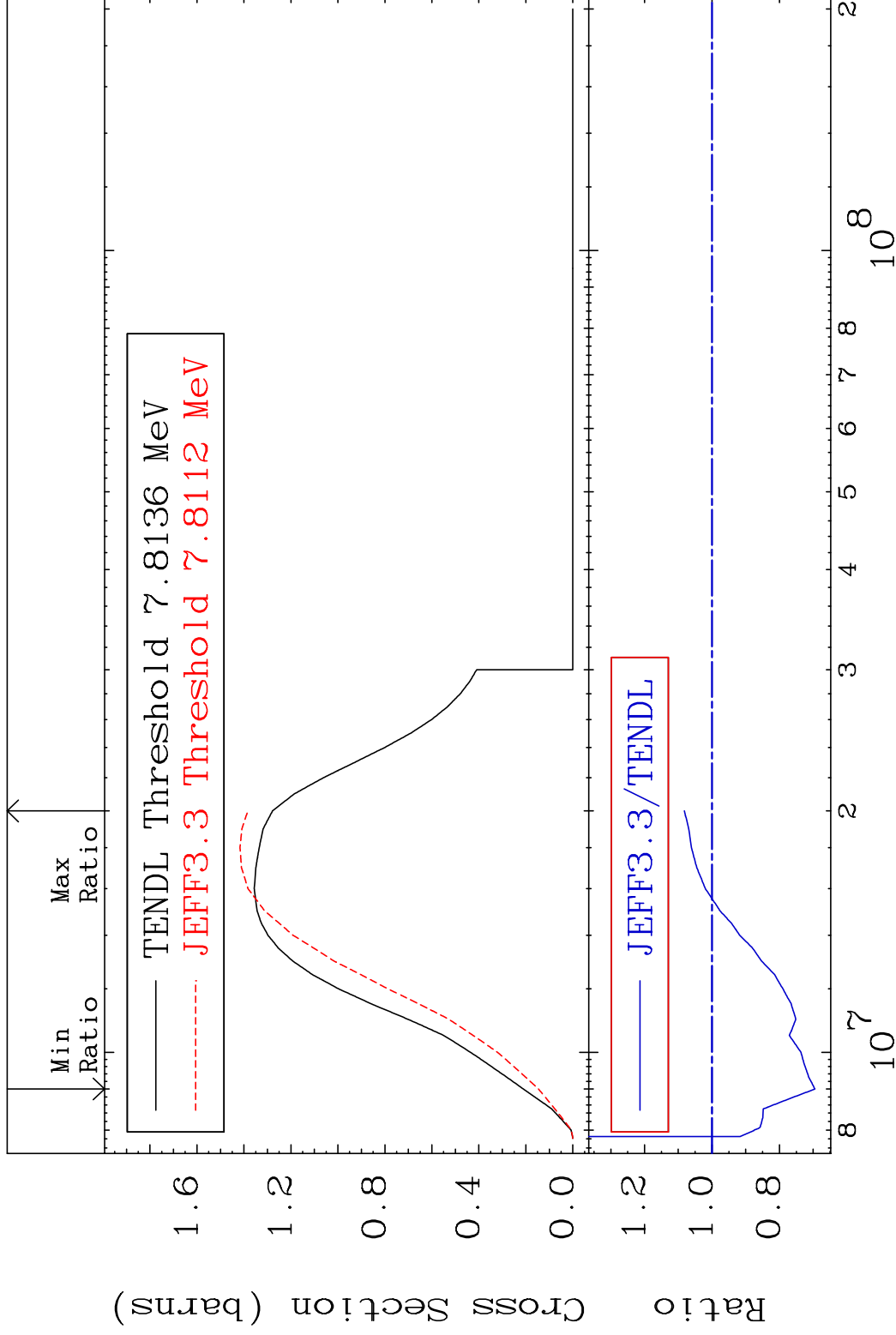
3 Incident Energy (eV) 50-Sn-113

MAT 5028

(n,2n)

50-Sn-113

Cross Section -30.51 To 8.213 %



4

Incident Energy (eV)

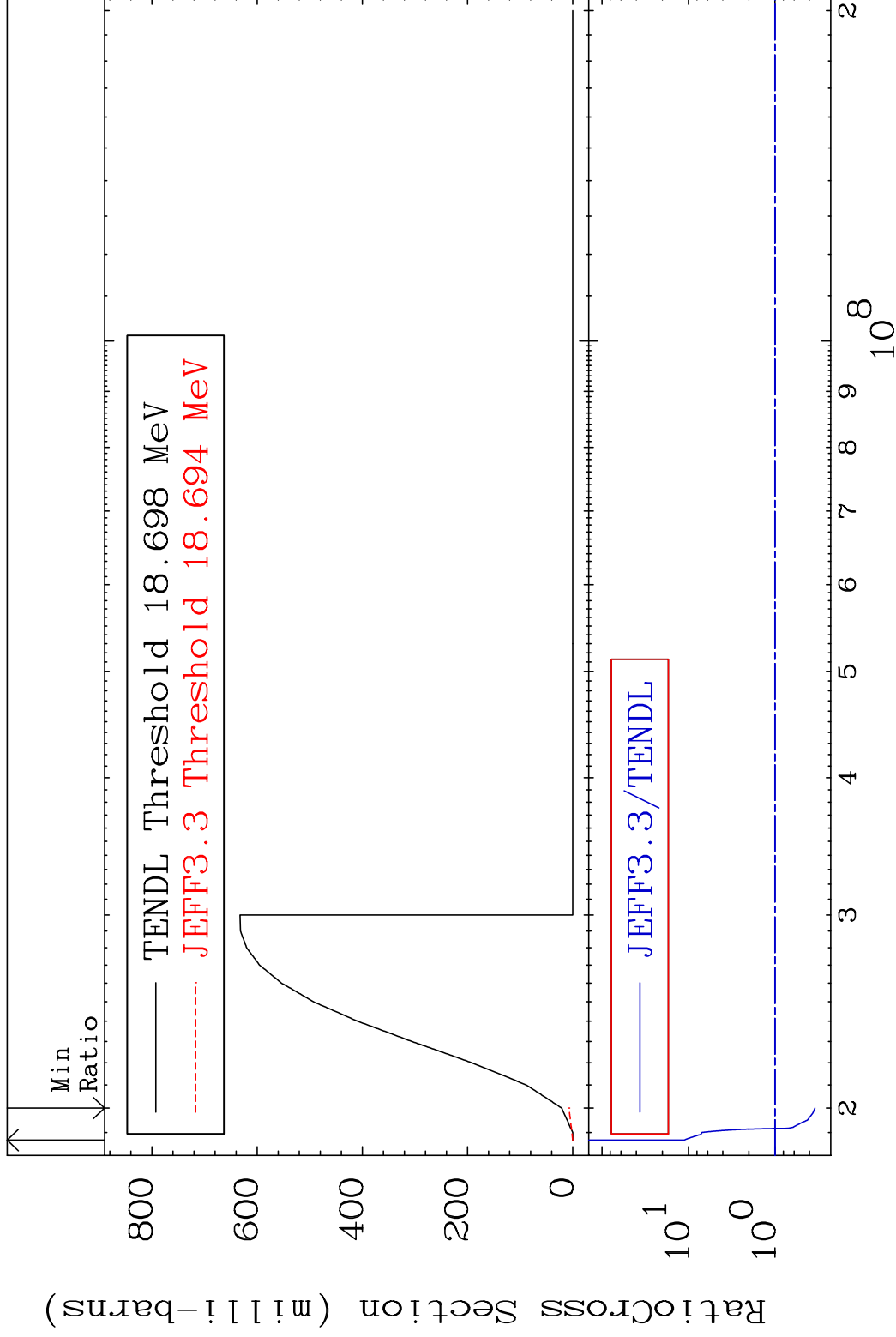
50-Sn-113

MAT 5028

(n,3n)

50-Sn-113

Cross Section -65.43 To 1016. %



5

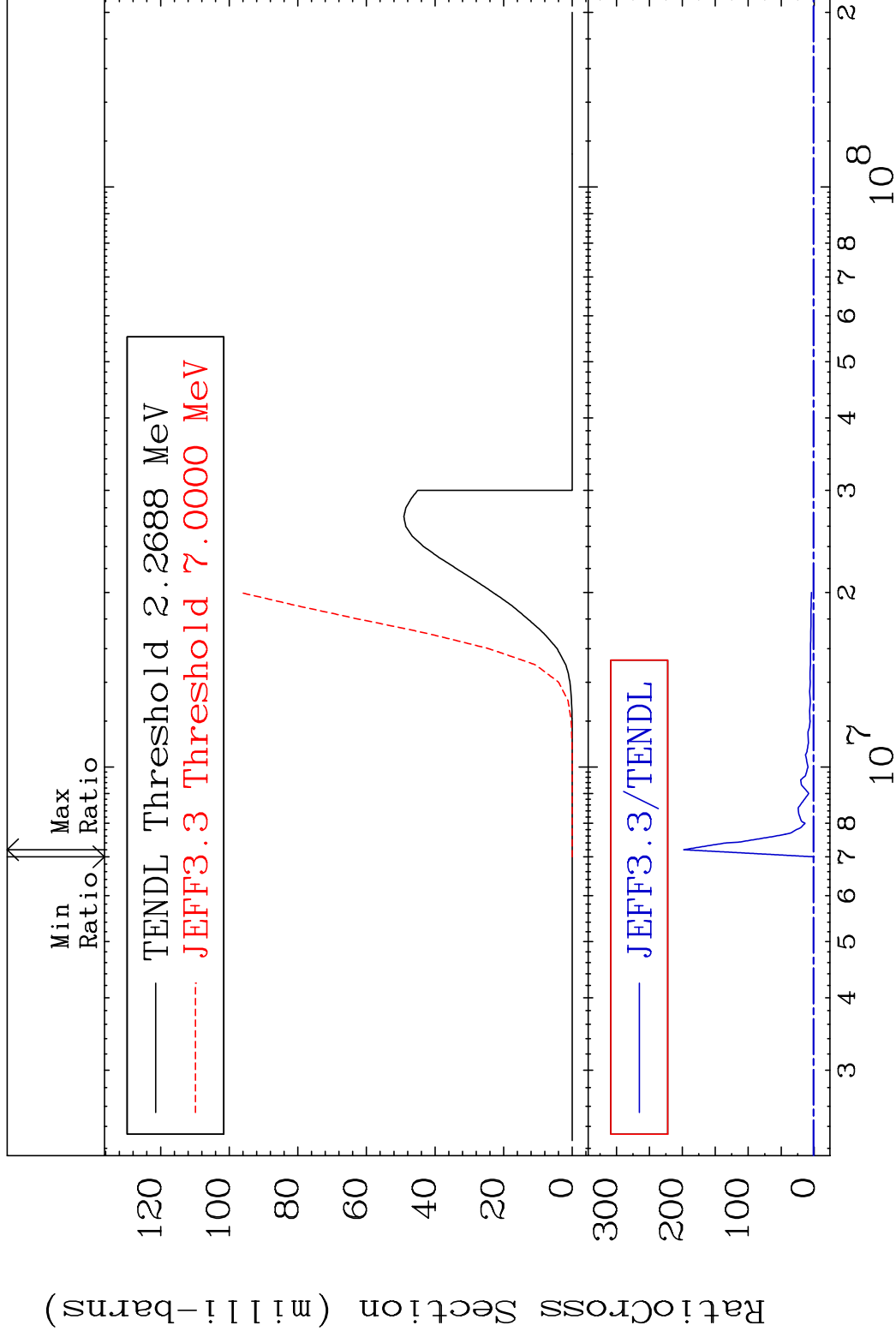
Incident Energy (eV)

50-Sn-113

MAT 5028

(n, n')  $\alpha$  50-Sn-113

Cross Section -100.0 To 9999. %



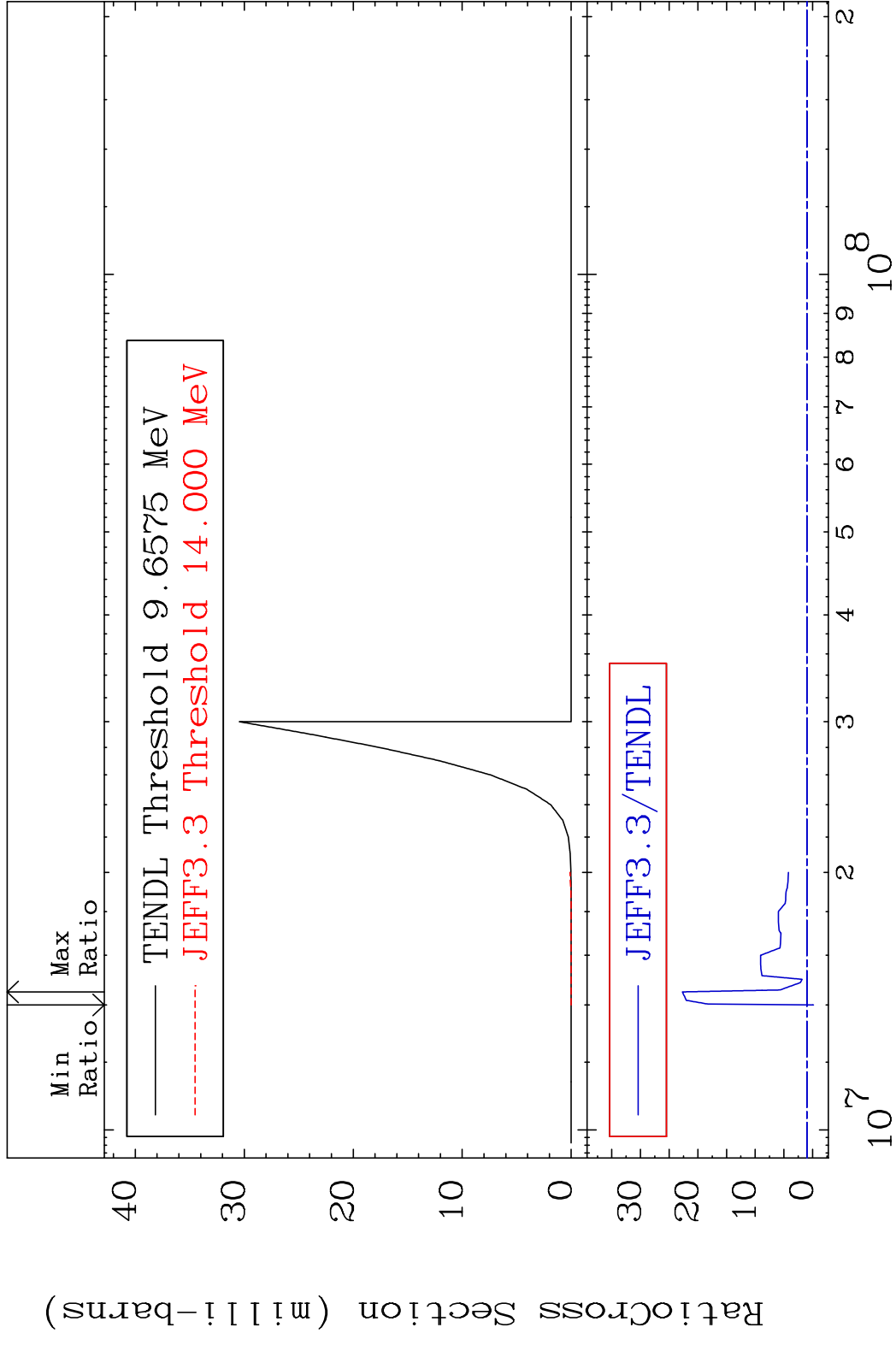
6

Incident Energy (eV)

50-Sn-113

MAT 5028

(n,2n)  $\alpha$  50-Sn-113  
Cross Section -100.0 To 2170. %



7 8 9 2  
10<sup>7</sup> 10<sup>8</sup> 10<sup>9</sup>  
50-Sn-113

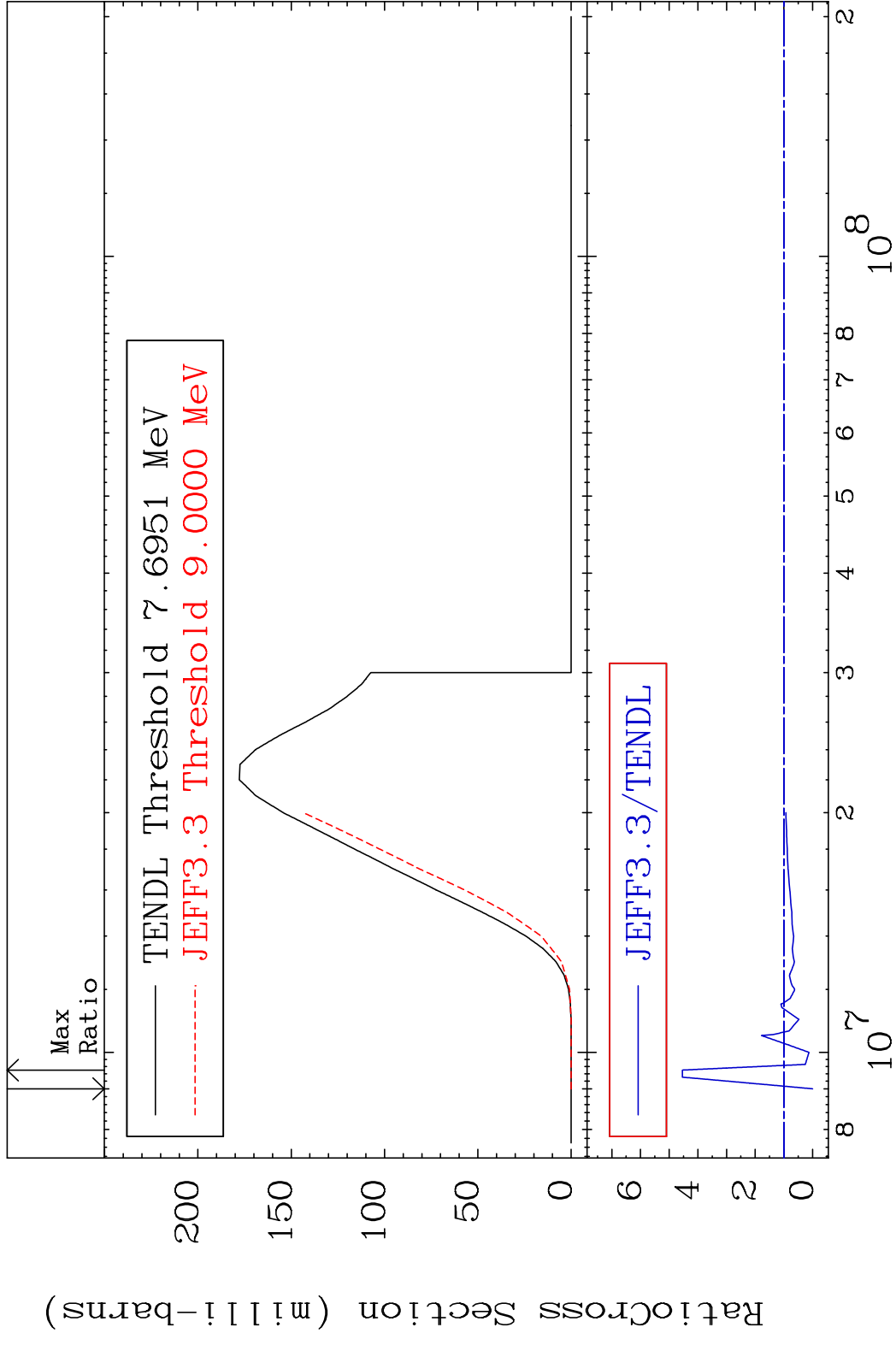


MAT 5028

(n, n') p

50-Sn-113

Cross Section -100.0 To 354.0 %



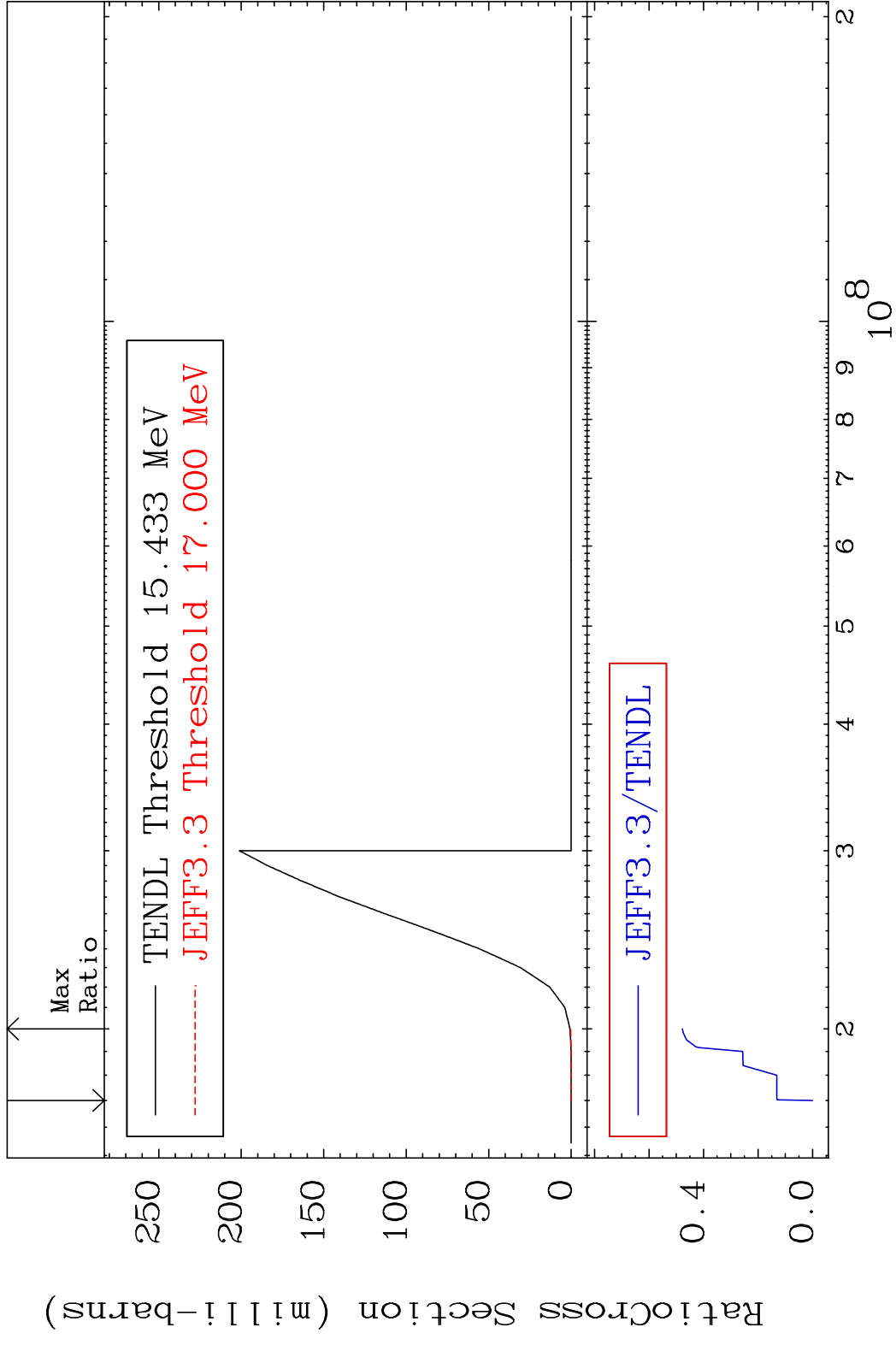
8

Incident Energy (eV)

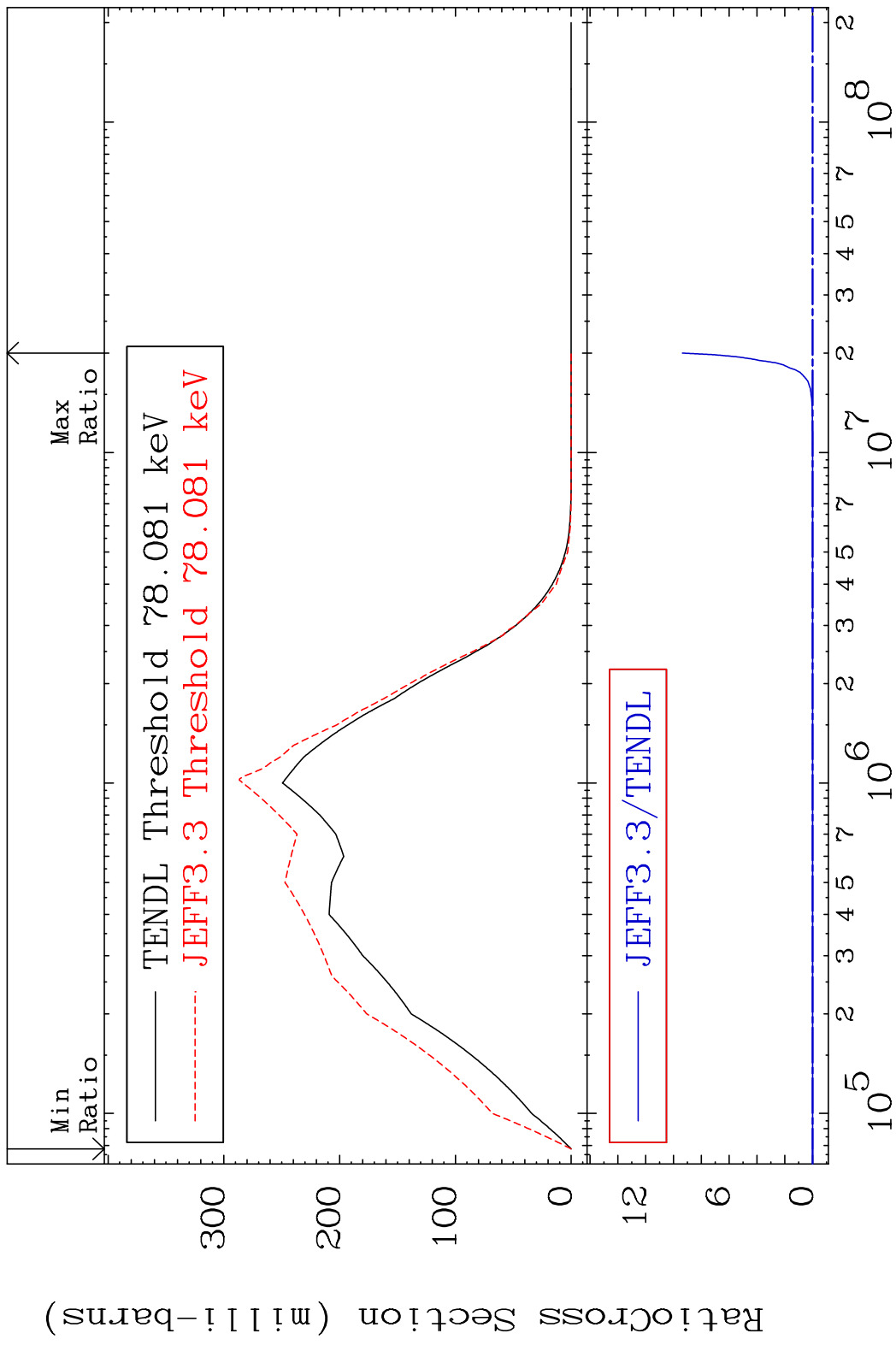
50-Sn-113

MAT 5028

(n,2n) p 50-Sn-113  
Cross Section -100.0 To -52.23%

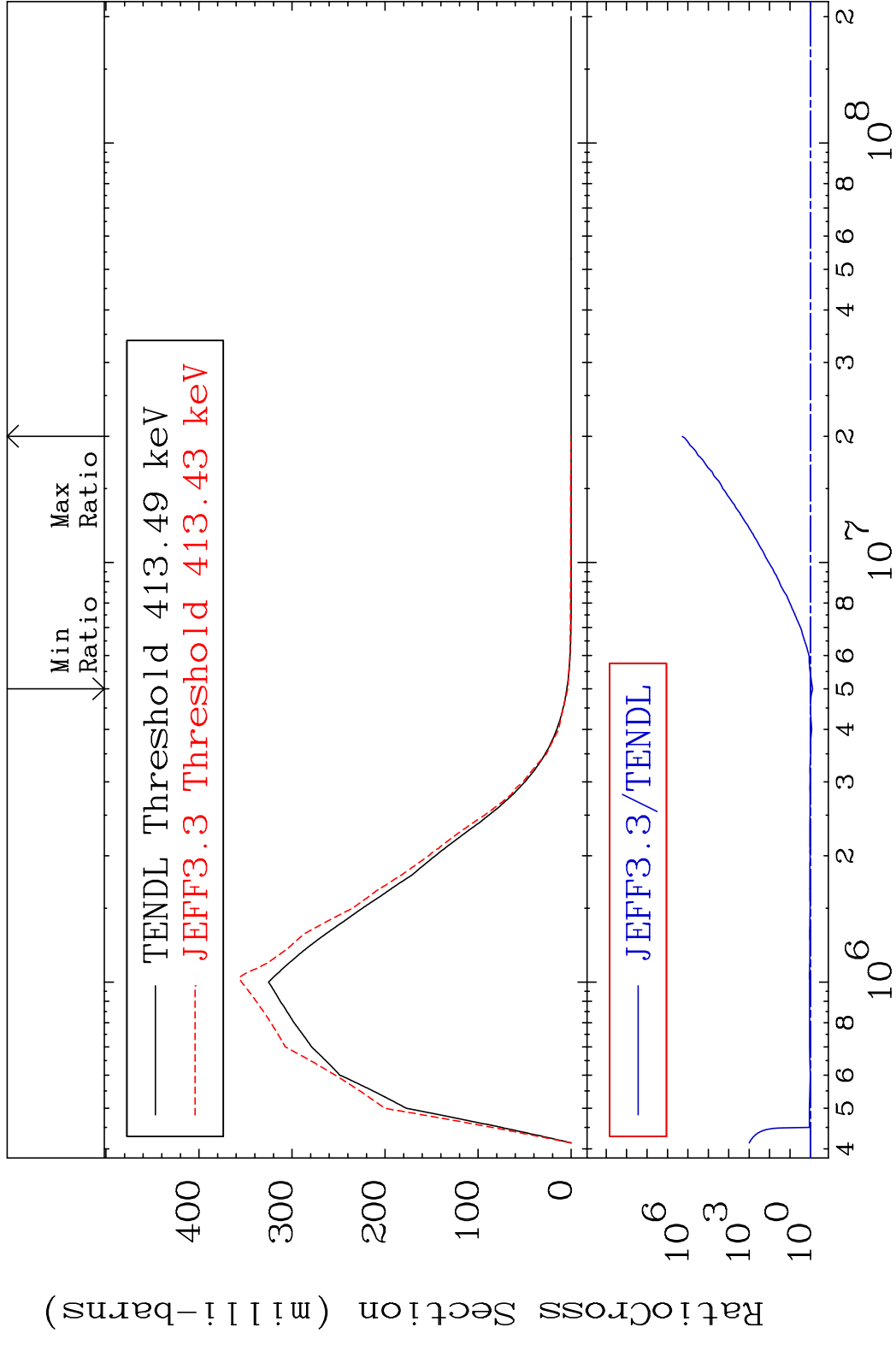


MAT 5028 MT= 51 (n,n') Level 50-Sn-113  
 Cross Section -100.0 To 9999. %

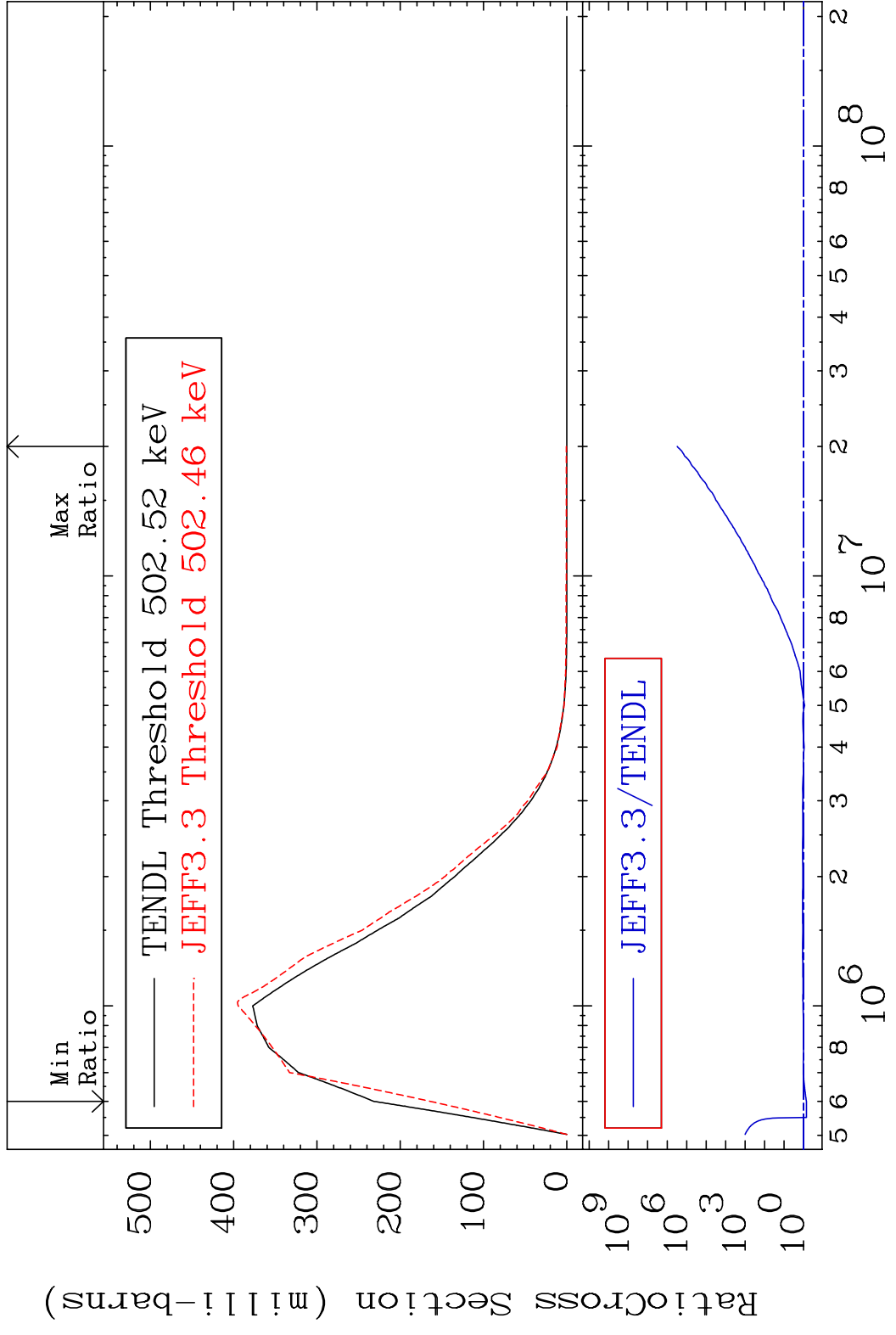


10 2 3 4 5 7 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup> 2 3 4 5 7 10 20 50-Sn-113

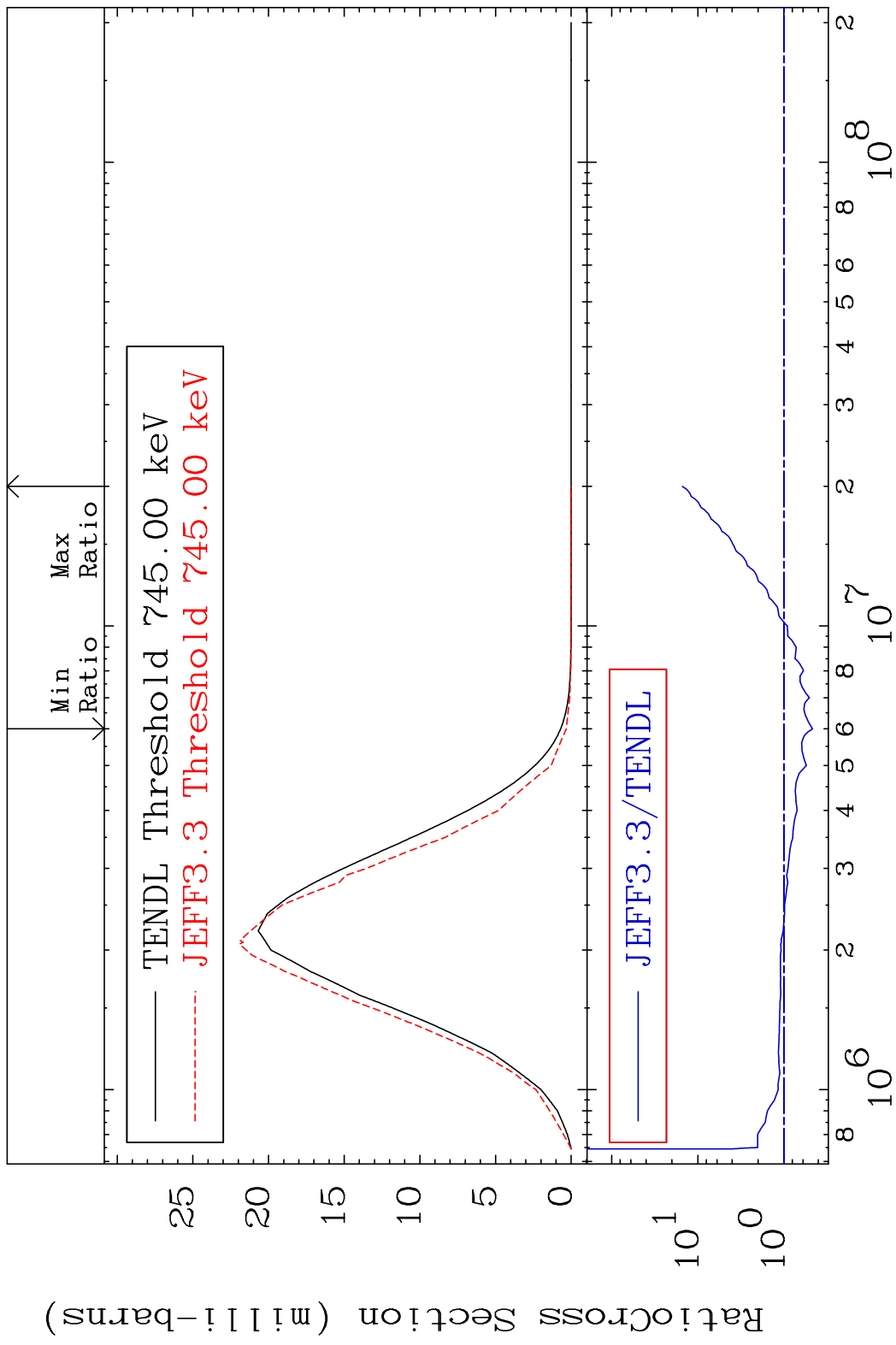
MAT 5028 MT= 52 (n, n') Level 50-Sn-113  
 Cross Section -21.21 To 9999. %



MAT 5028 MT= 53 (n, n') Level 50-Sn-113  
 Cross Section -29.11 To 9999. %

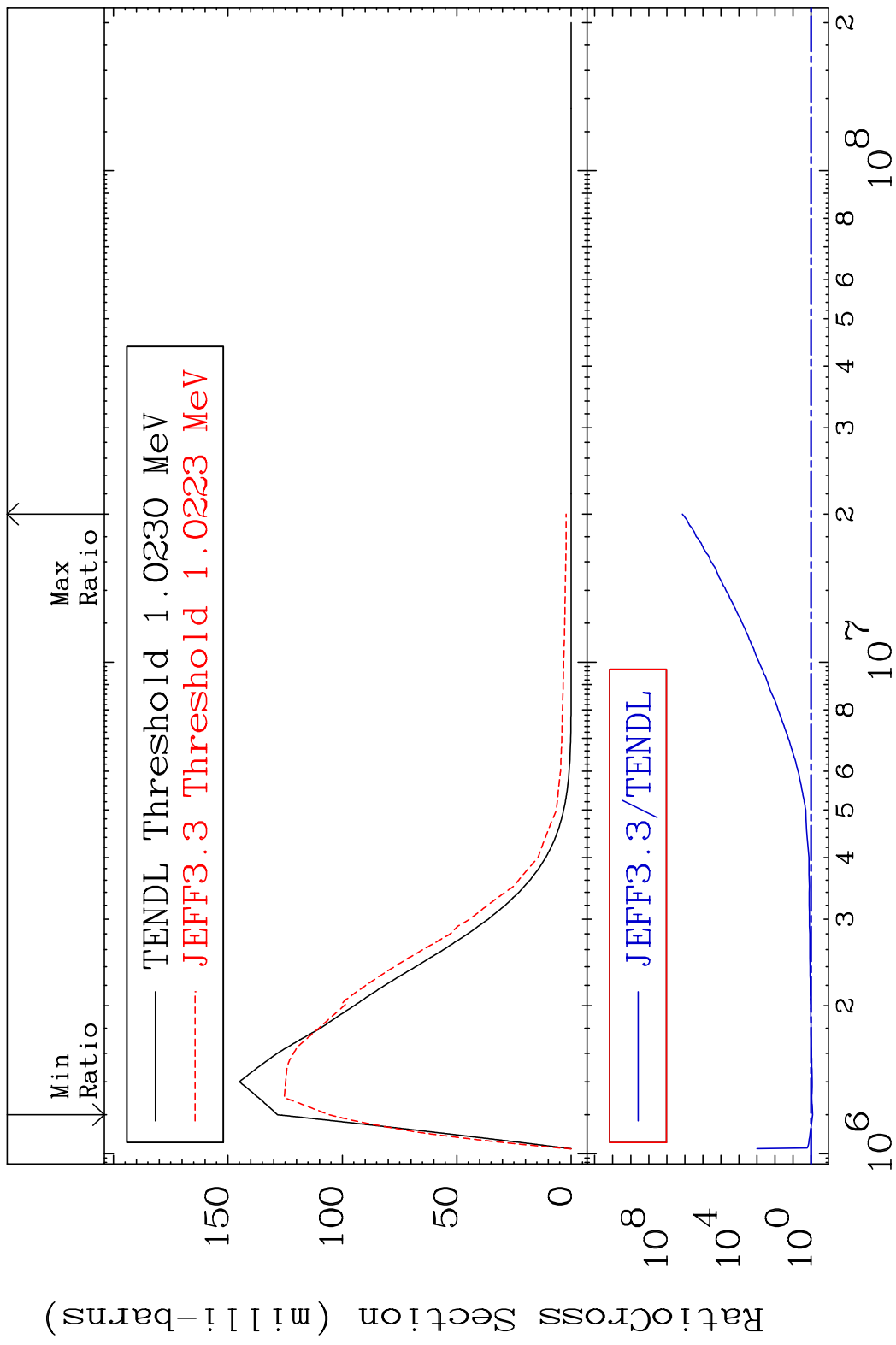


MAT 5028 MT= 54 (n, n') Level 50-Sn-113  
 Cross Section -53.43 To 1415. %



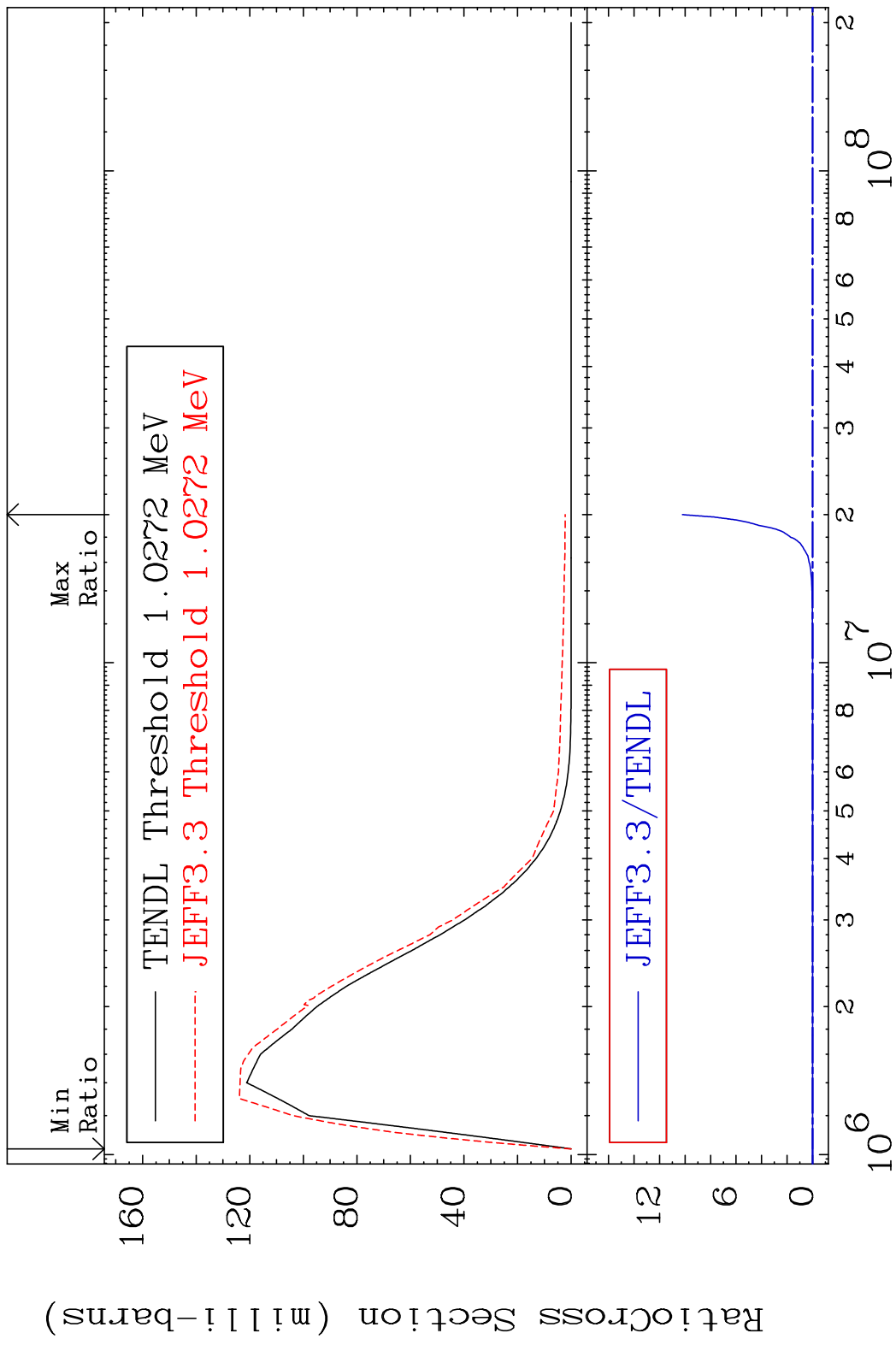
13 Incident Energy (eV) 50-Sn-113

MAT 5028 MT= 55 (n, n') Level 50-Sn-113  
 Cross Section -17.51 To 9999. %



14 Incident Energy (eV) 50-Sn-113

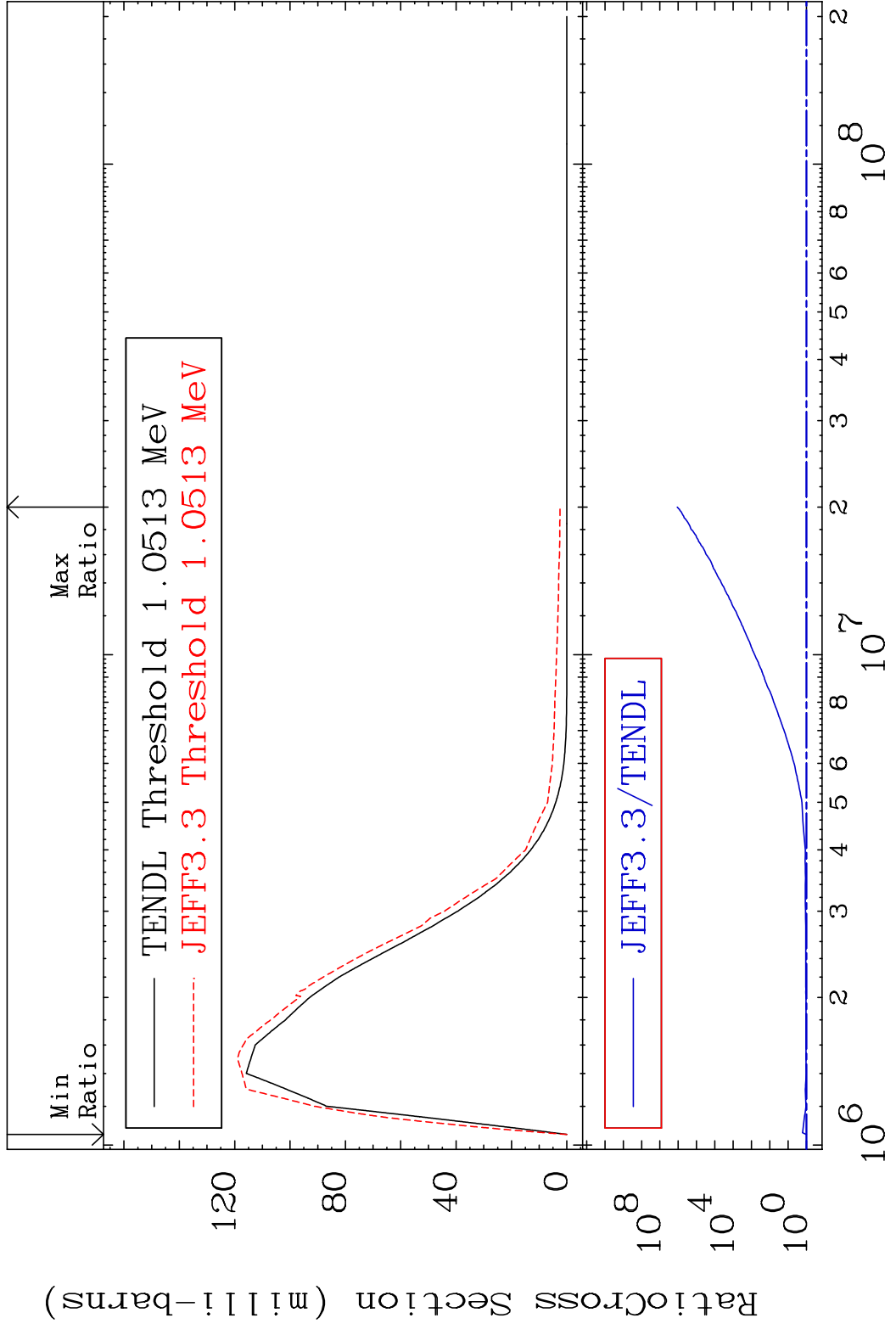
MAT 5028 MT= 56 (n, n') Level 50-Sn-113  
 Cross Section -100.0 To 9999. %



15 Incident Energy (eV) 50-Sn-113

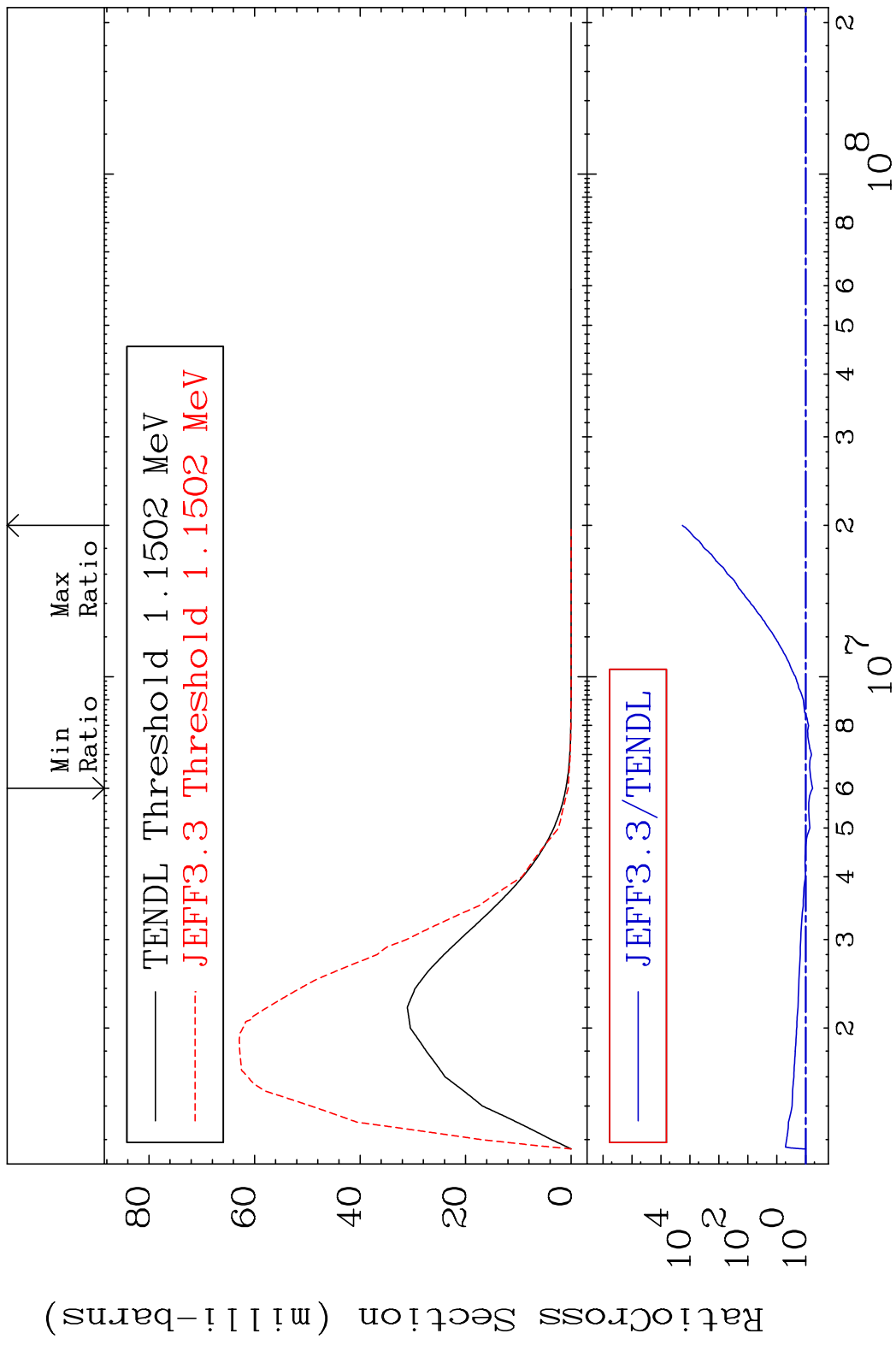


MAT 5028 MT= 57 (n, n') Level 50-Sn-113  
 Cross Section 0.000 To 9999. %

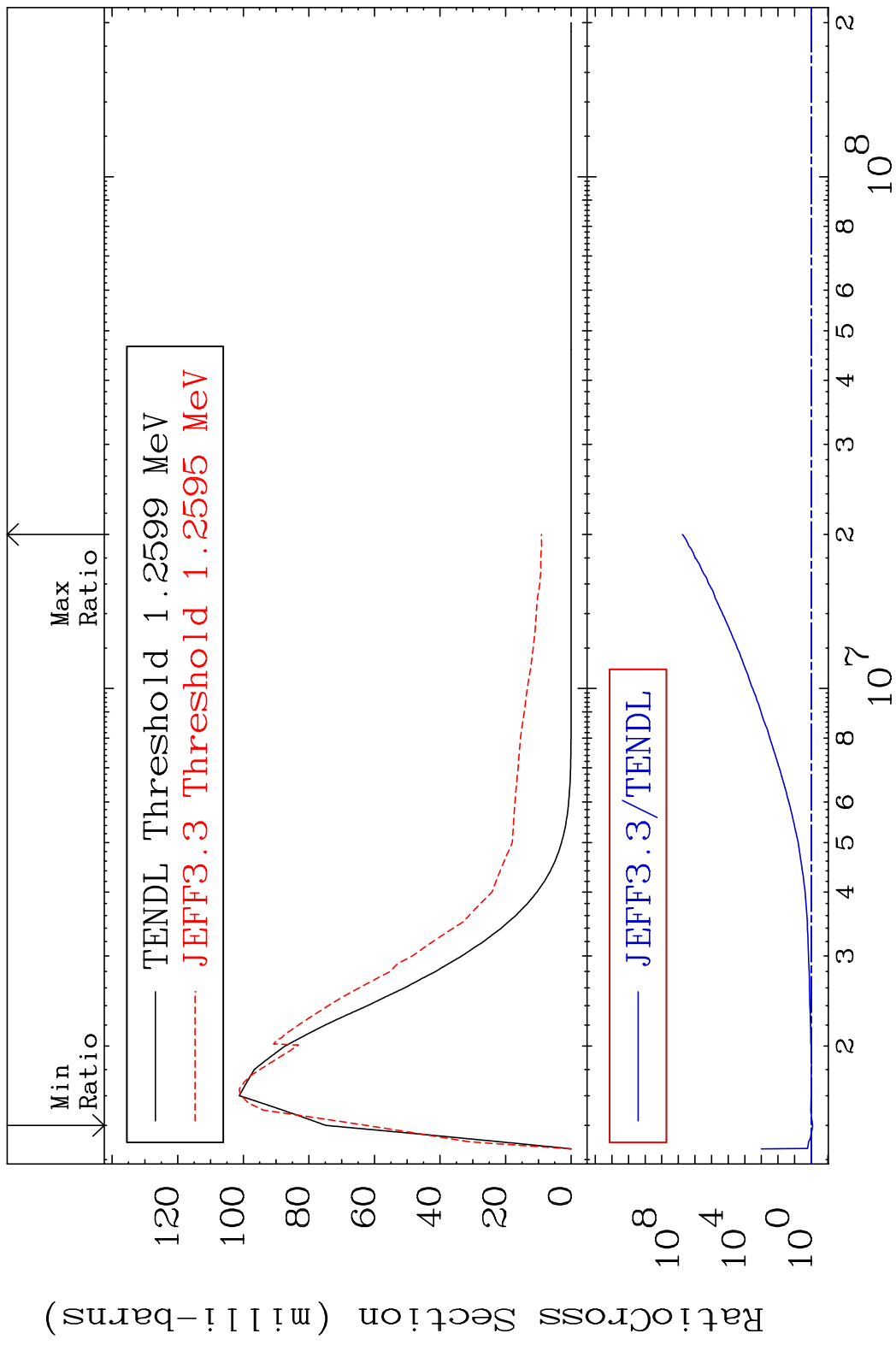


16 Incident Energy (eV) 50-Sn-113

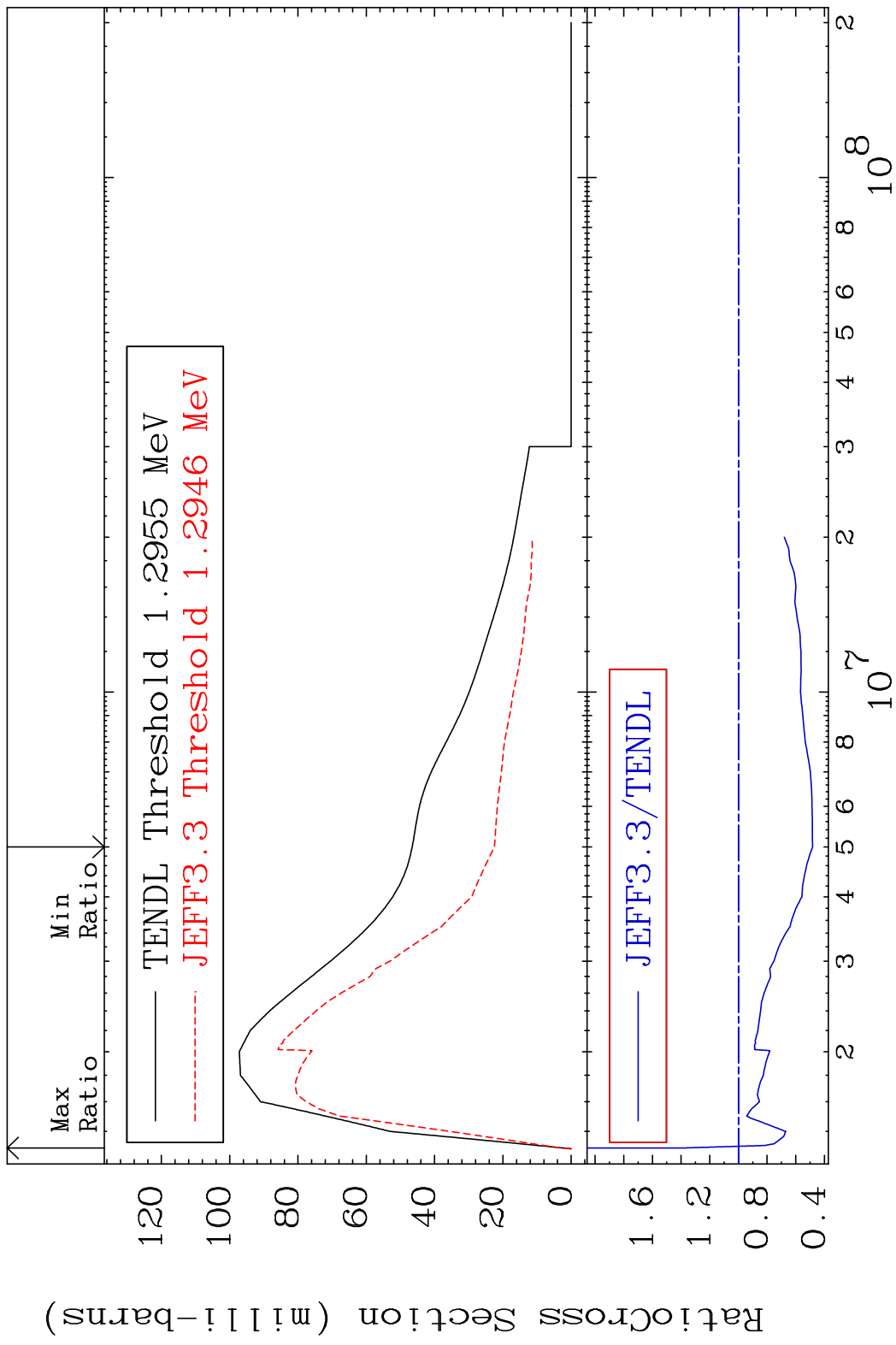
MAT 5028 MT= 58 (n, n') Level 50-Sn-113  
 Cross Section -41.99 To 9999. %



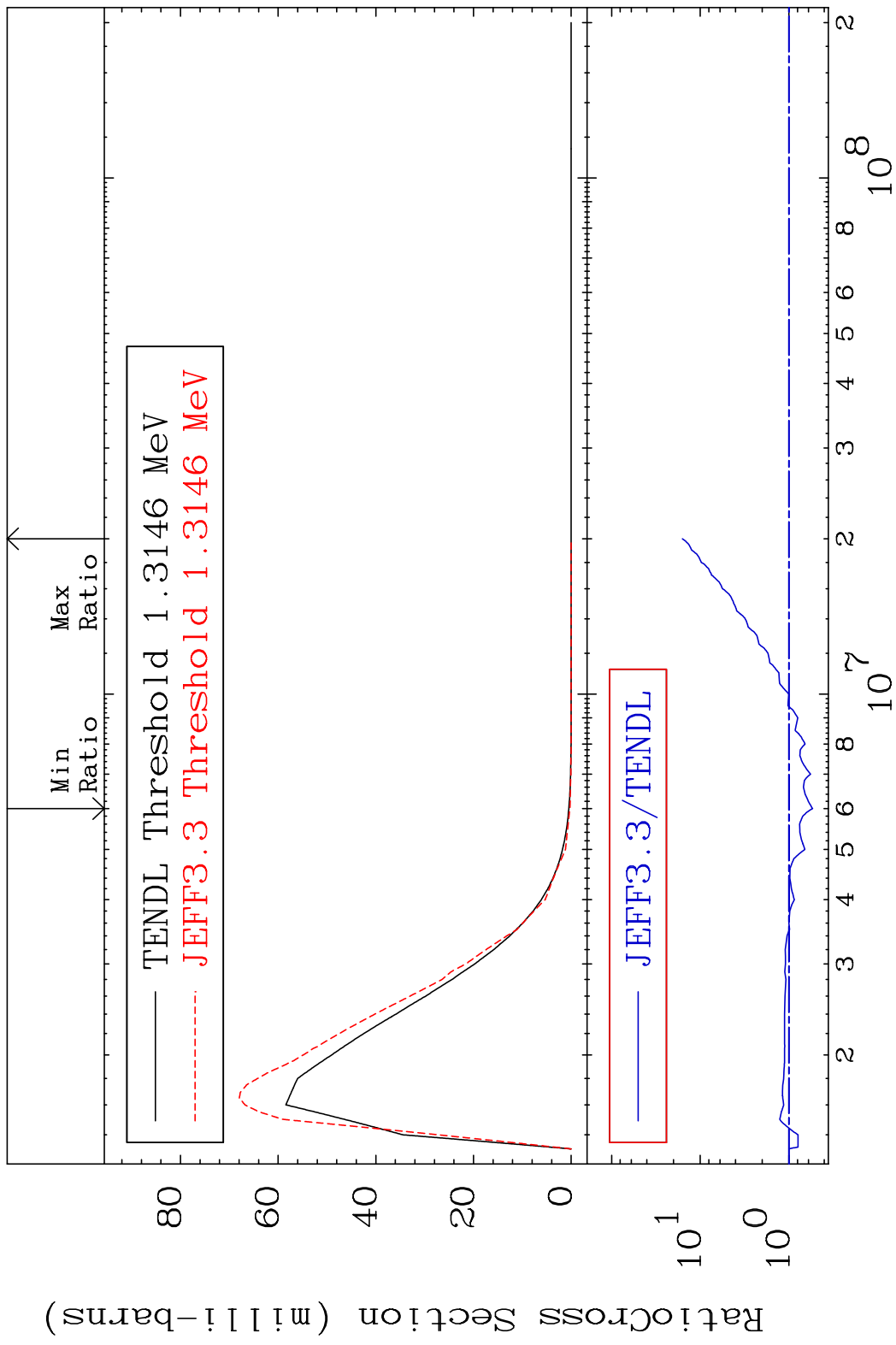
MAT 5028 MT= 59 (n, n') Level 50-Sn-113  
 Cross Section -16.57 To 9999. %



MAT 5028 MT= 60 (n,n') Level 50-Sn-113  
 Cross Section -51.71 To 39.12 %



MAT 5028 MT= 61 (n, n') Level 50-Sn-113  
 Cross Section -45.88 To 1493. %



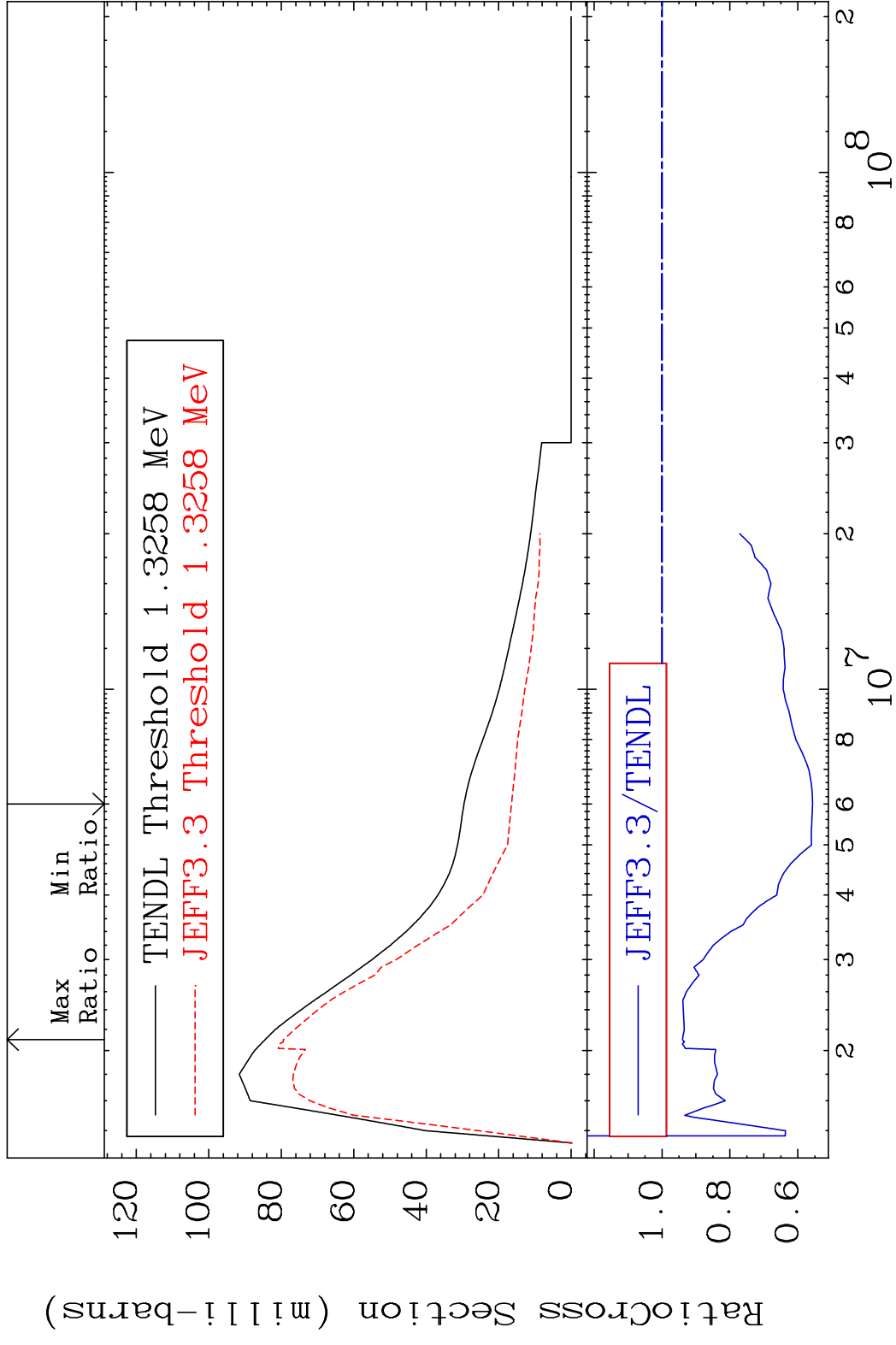
20 Incident Energy (eV) 50-Sn-113

MAT 5028

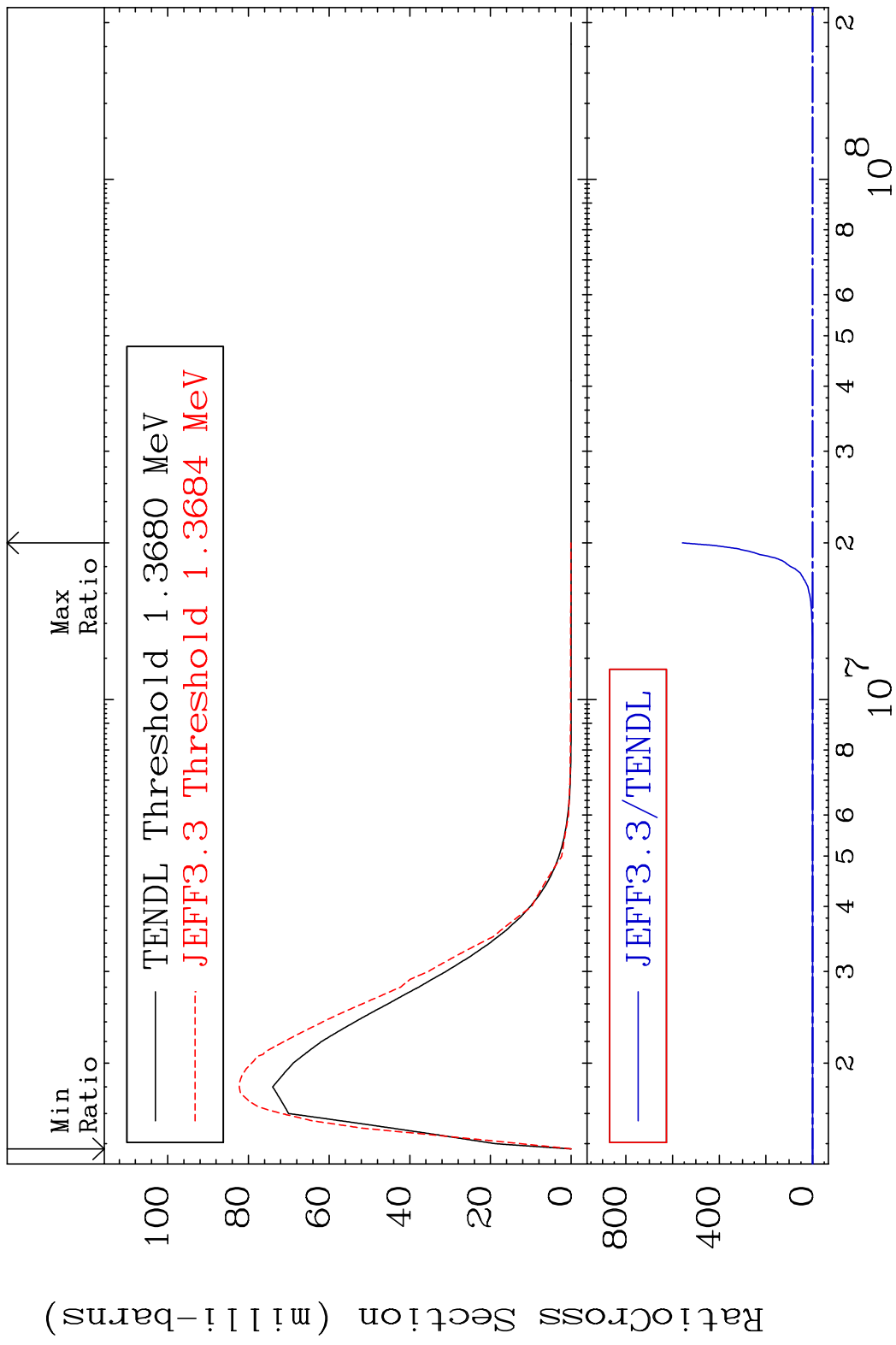
MT= 62 (n, n') Level

50-Sn-113

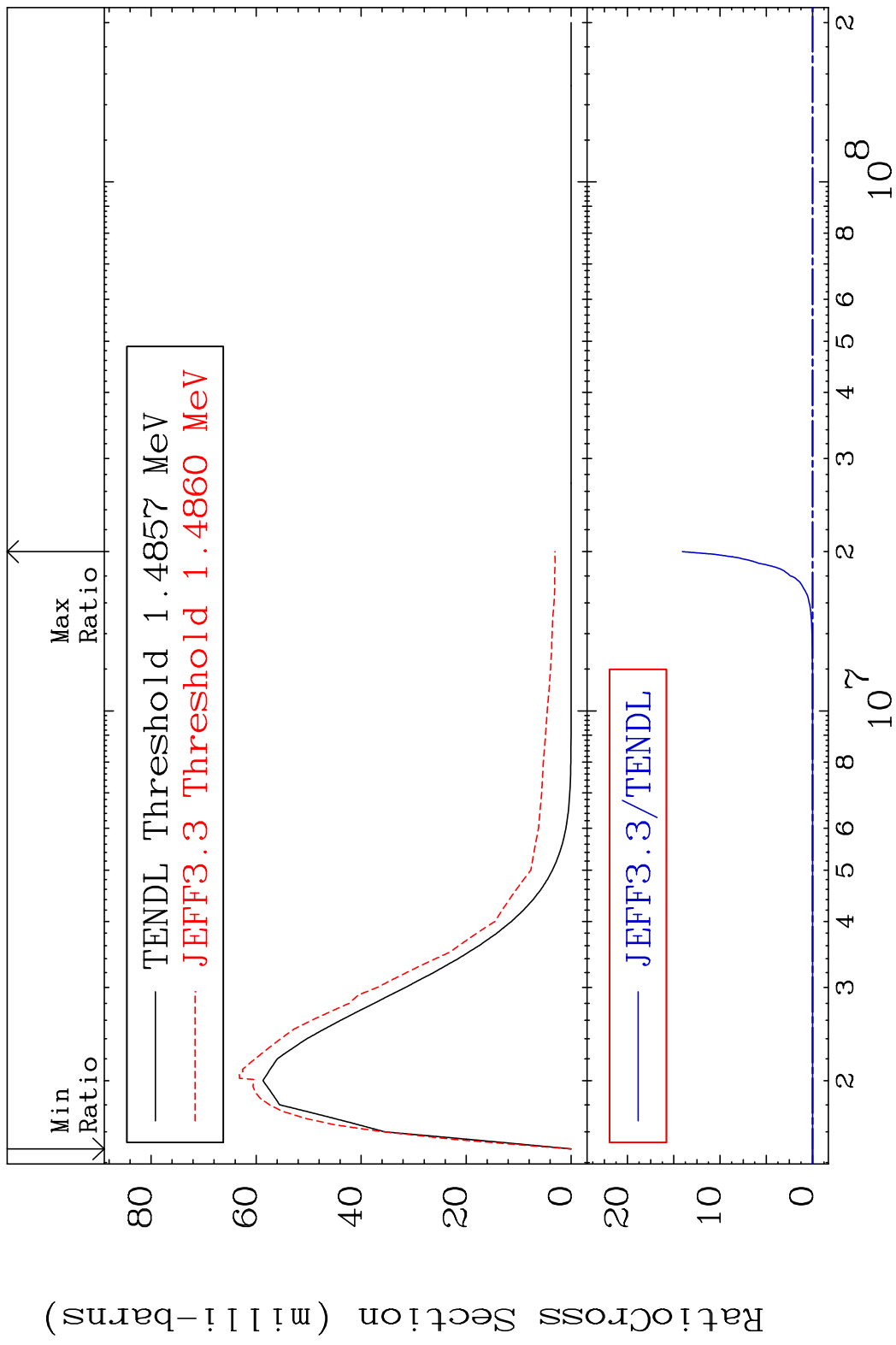
Cross Section -44.33 To -5.997%



MAT 5028 MT= 63 (n, n') Level 50-Sn-113  
 Cross Section -100.0 To 9999. %

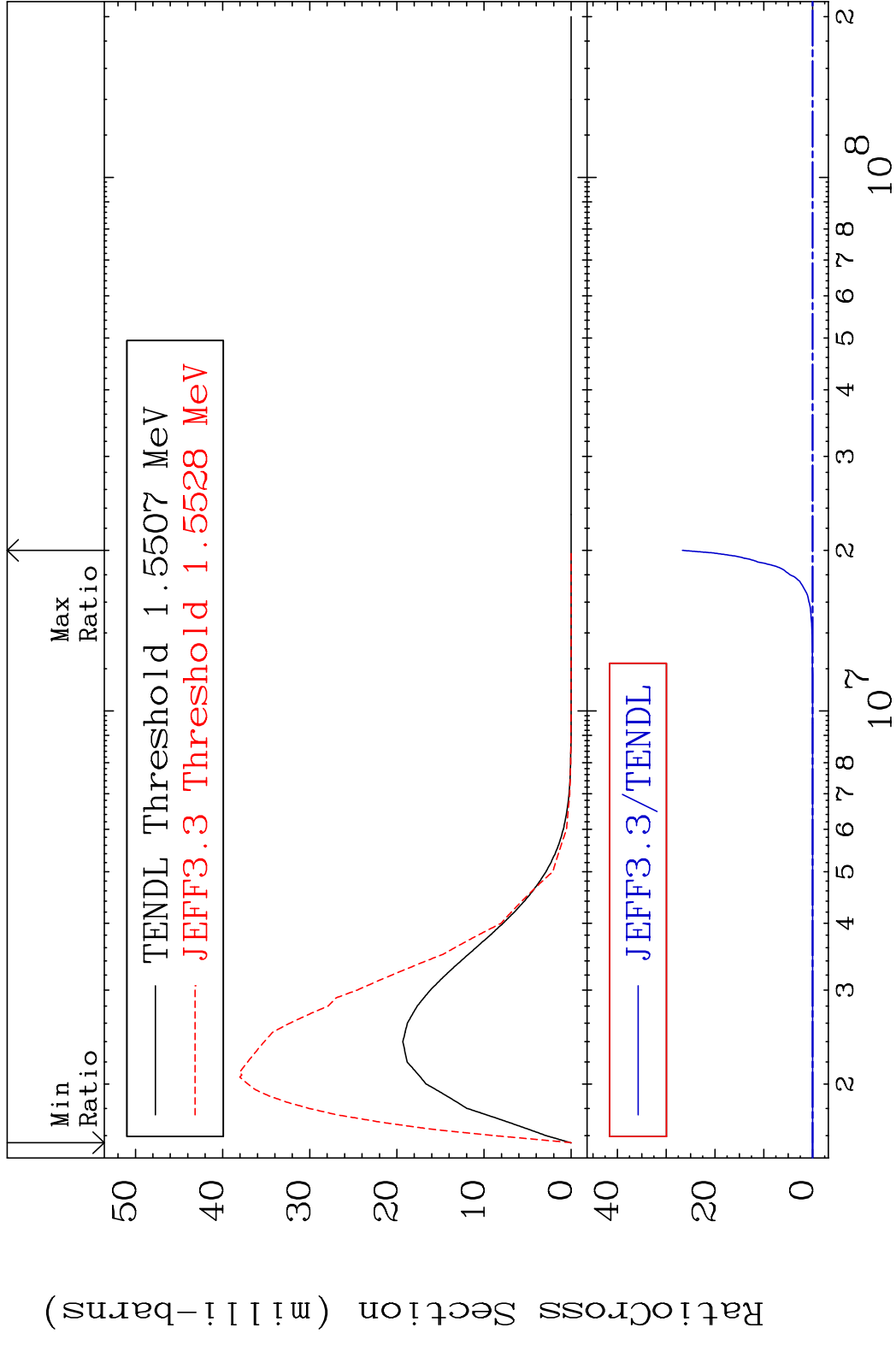


MAT 5028 MT= 64 (n, n') Level 50-Sn-113  
 Cross Section -100.0 To 9999. %

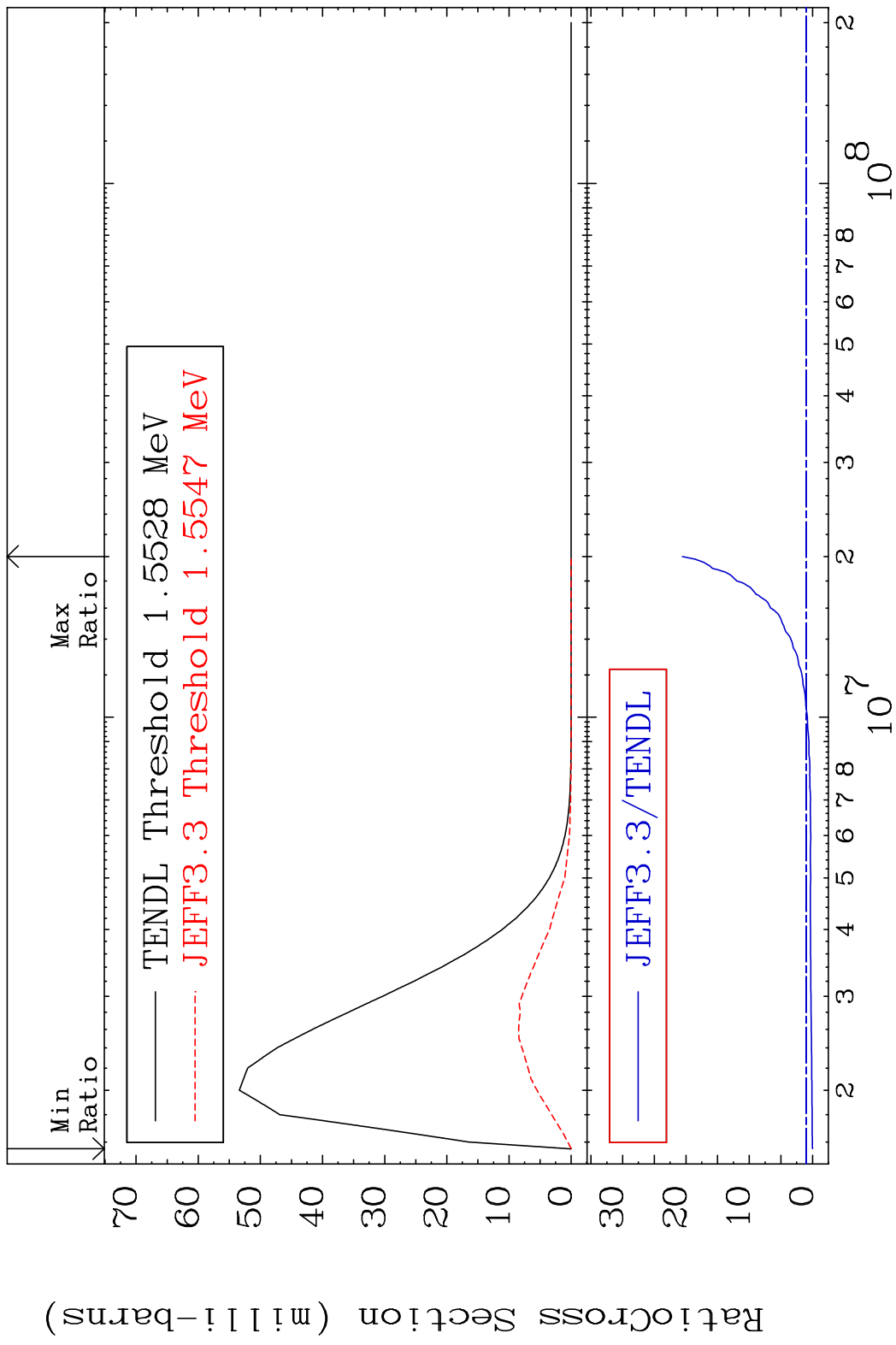




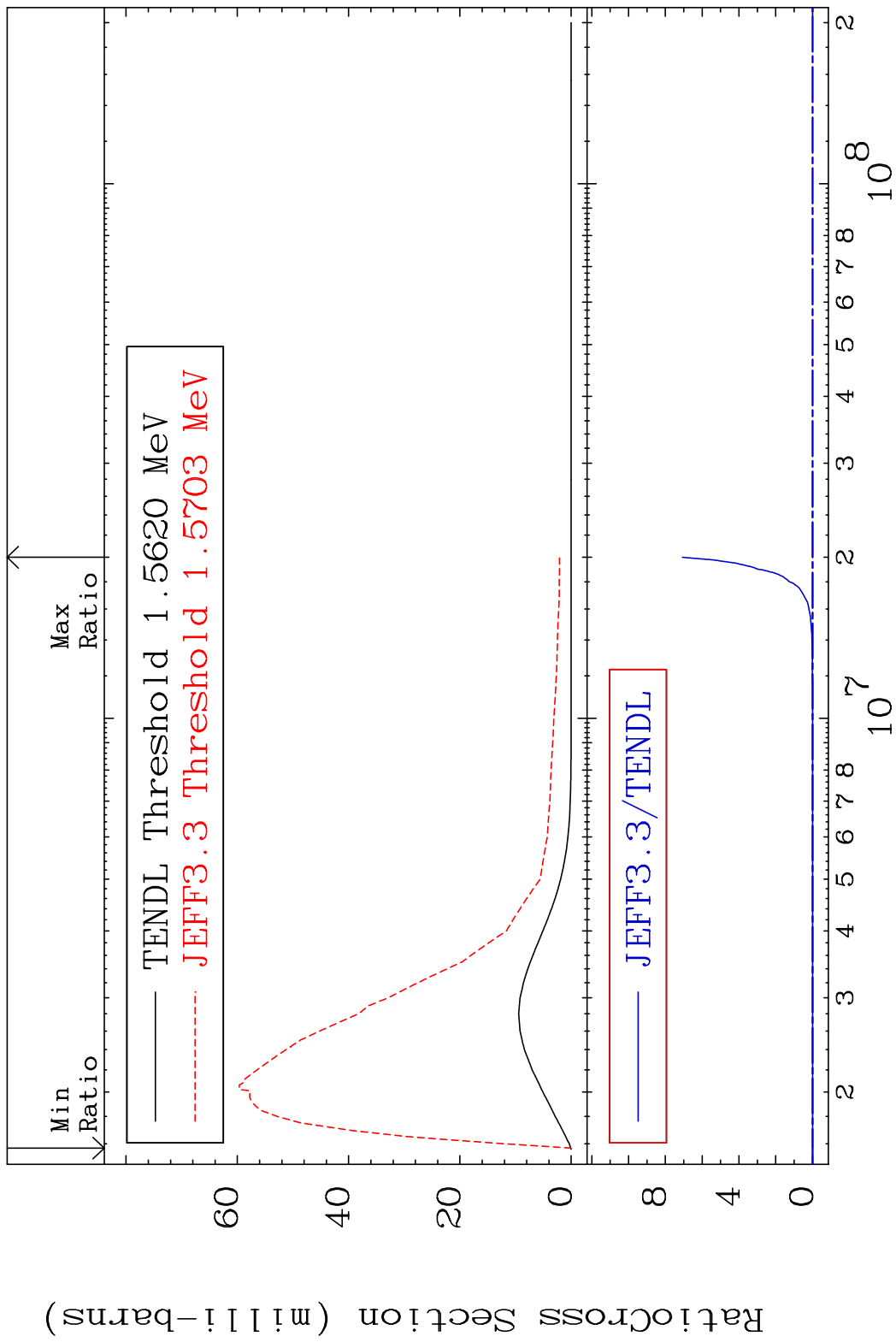
MAT 5028 MT= 65 (n, n') Level 50-Sn-113  
 Cross Section -100.0 To 9999. %



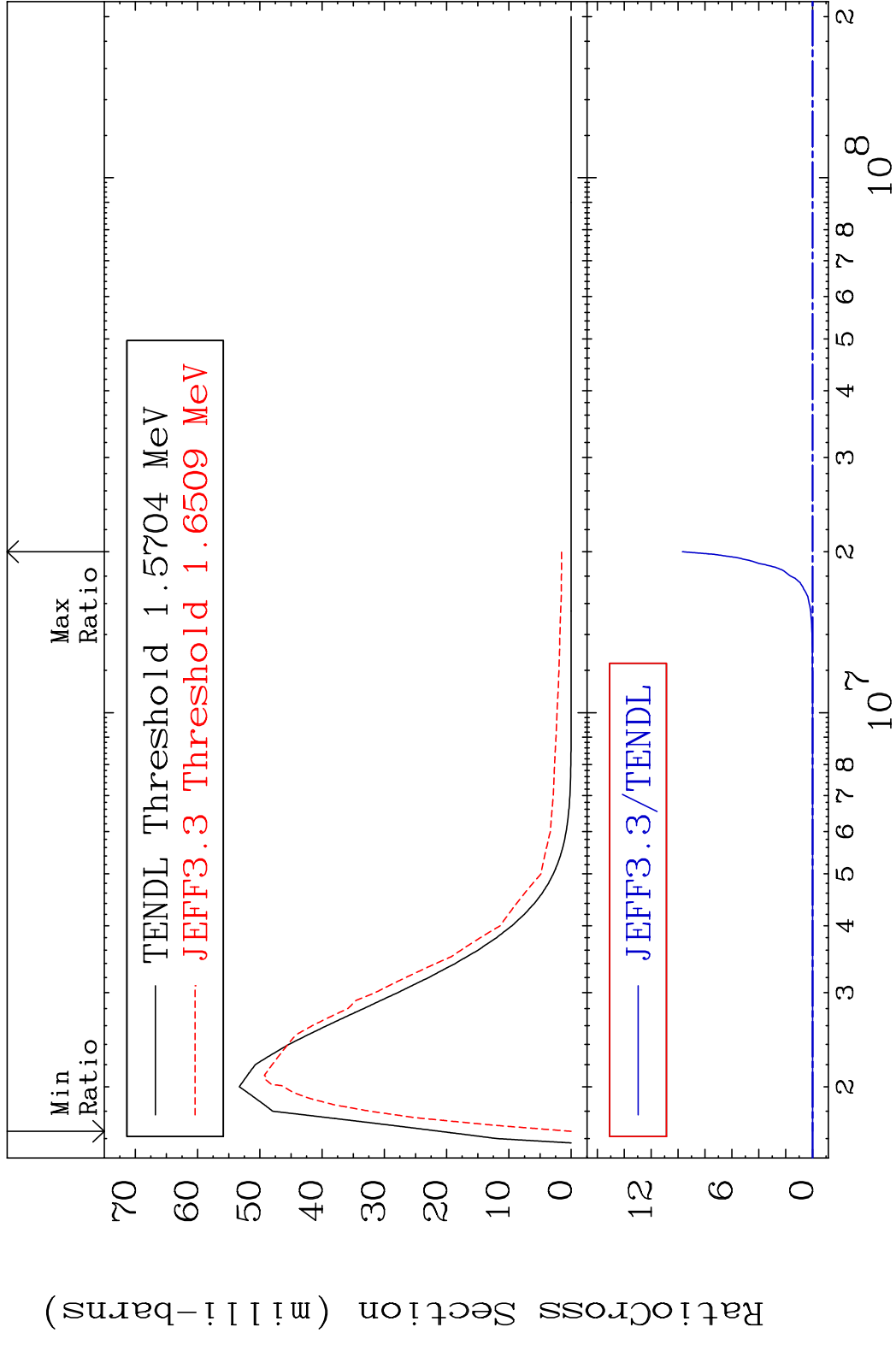
MAT 5028 MT= 66 (n, n') Level 50-Sn-113  
 Cross Section -100.0 To 1957. %



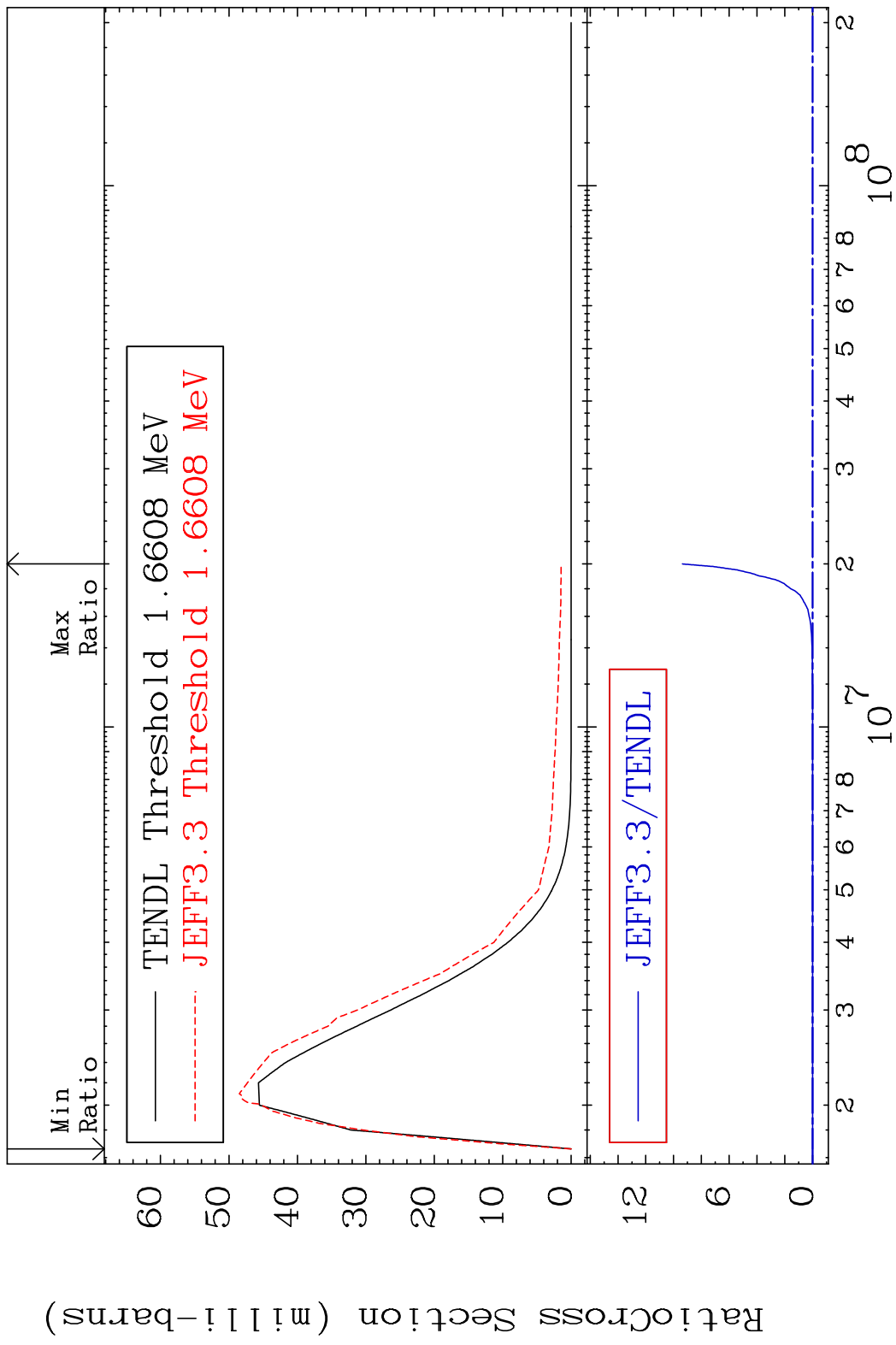
MAT 5028 MT= 67 (n, n') Level 50-Sn-113  
 Cross Section -100.0 To 9999. %



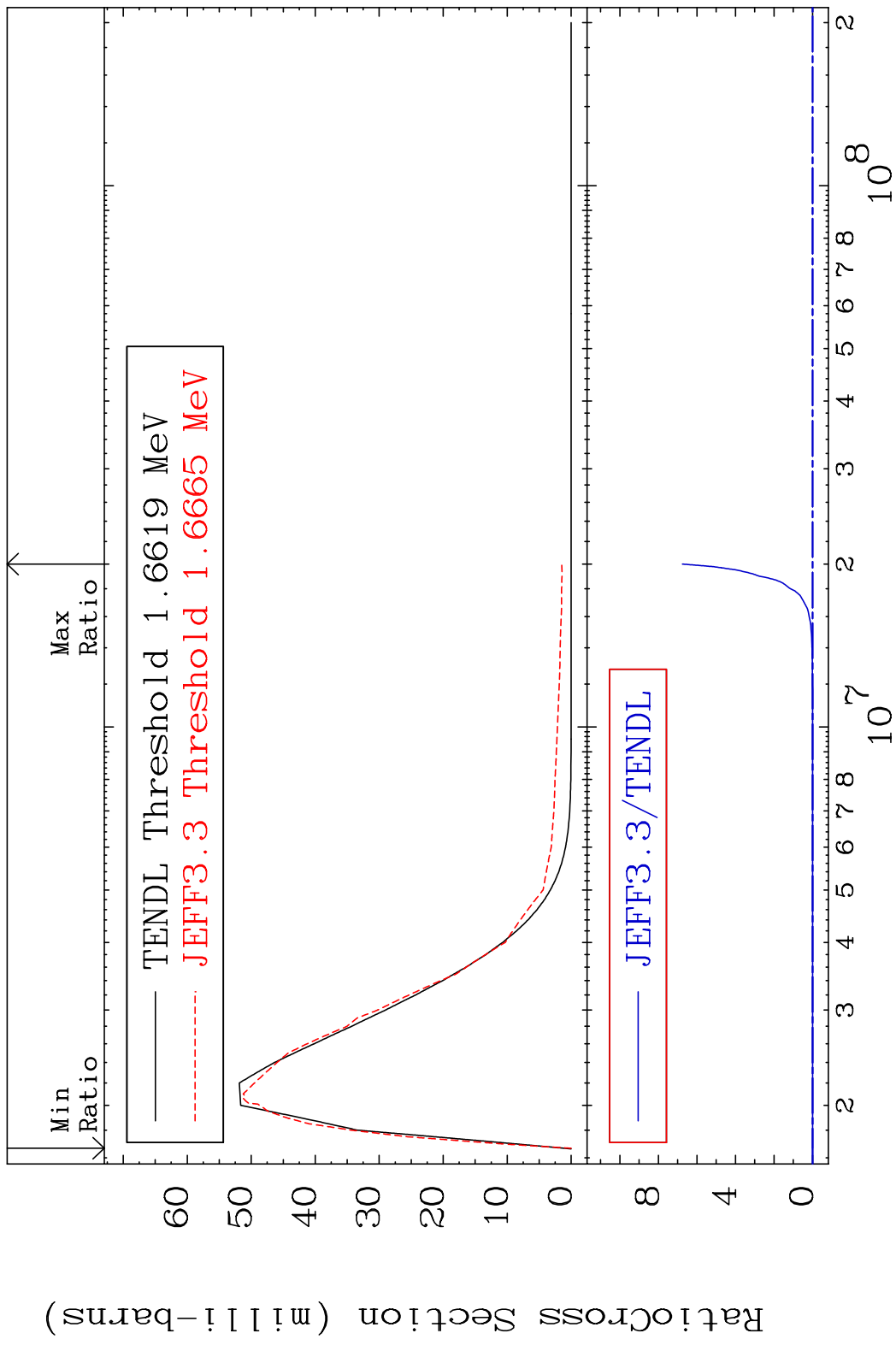
MAT 5028 MT= 68 (n, n') Level 50-Sn-113  
 Cross Section -100.0 To 9999. %



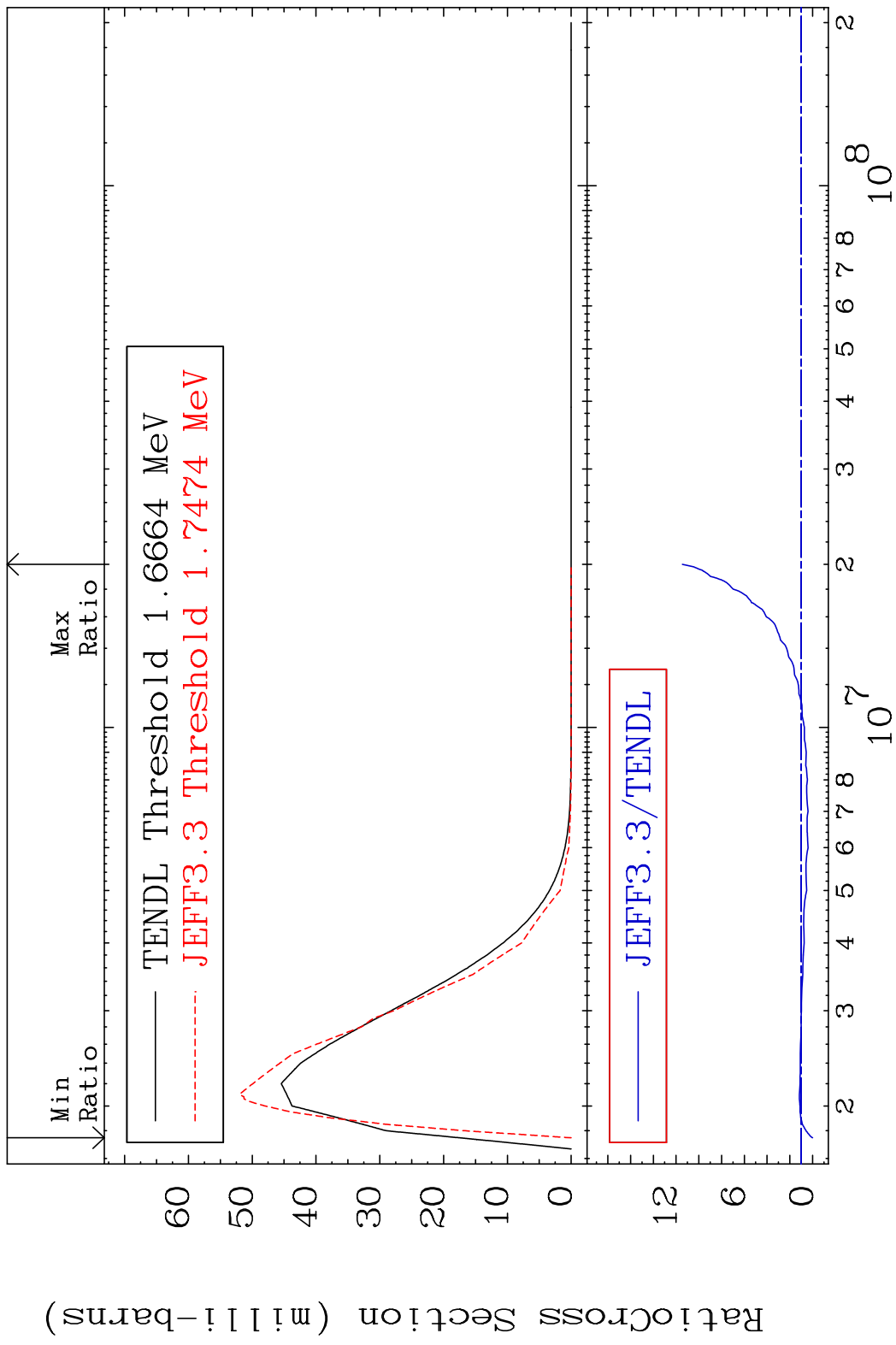
MAT 5028 MT= 69 (n, n') Level 50-Sn-113  
 Cross Section -100.0 To 9999. %



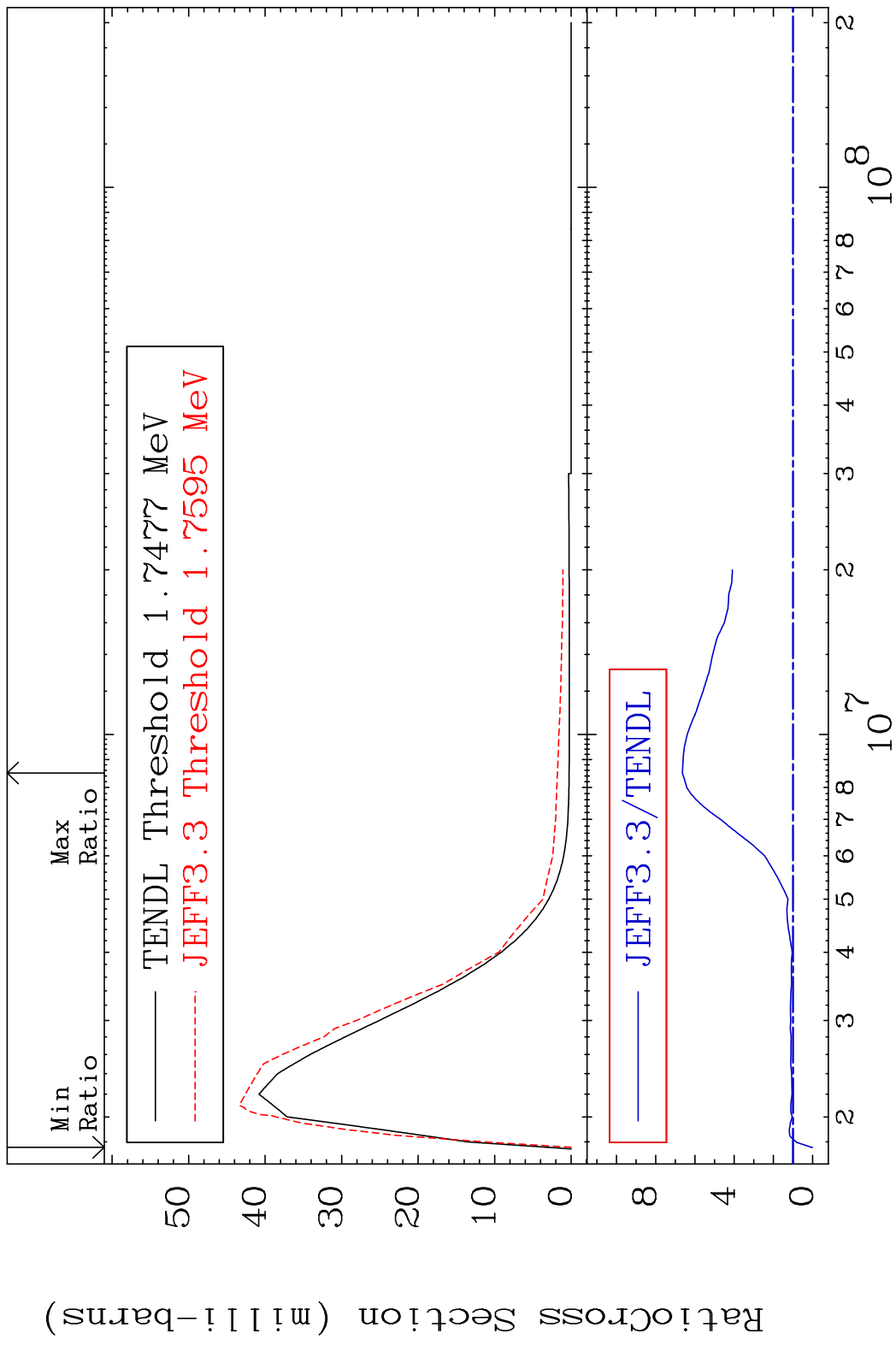
MAT 5028 MT= 70 (n, n') Level 50-Sn-113  
 Cross Section -100.0 To 9999. %



MAT 5028 MT= 71 (n, n') Level 50-Sn-113  
 Cross Section -100.0 To 1045. %

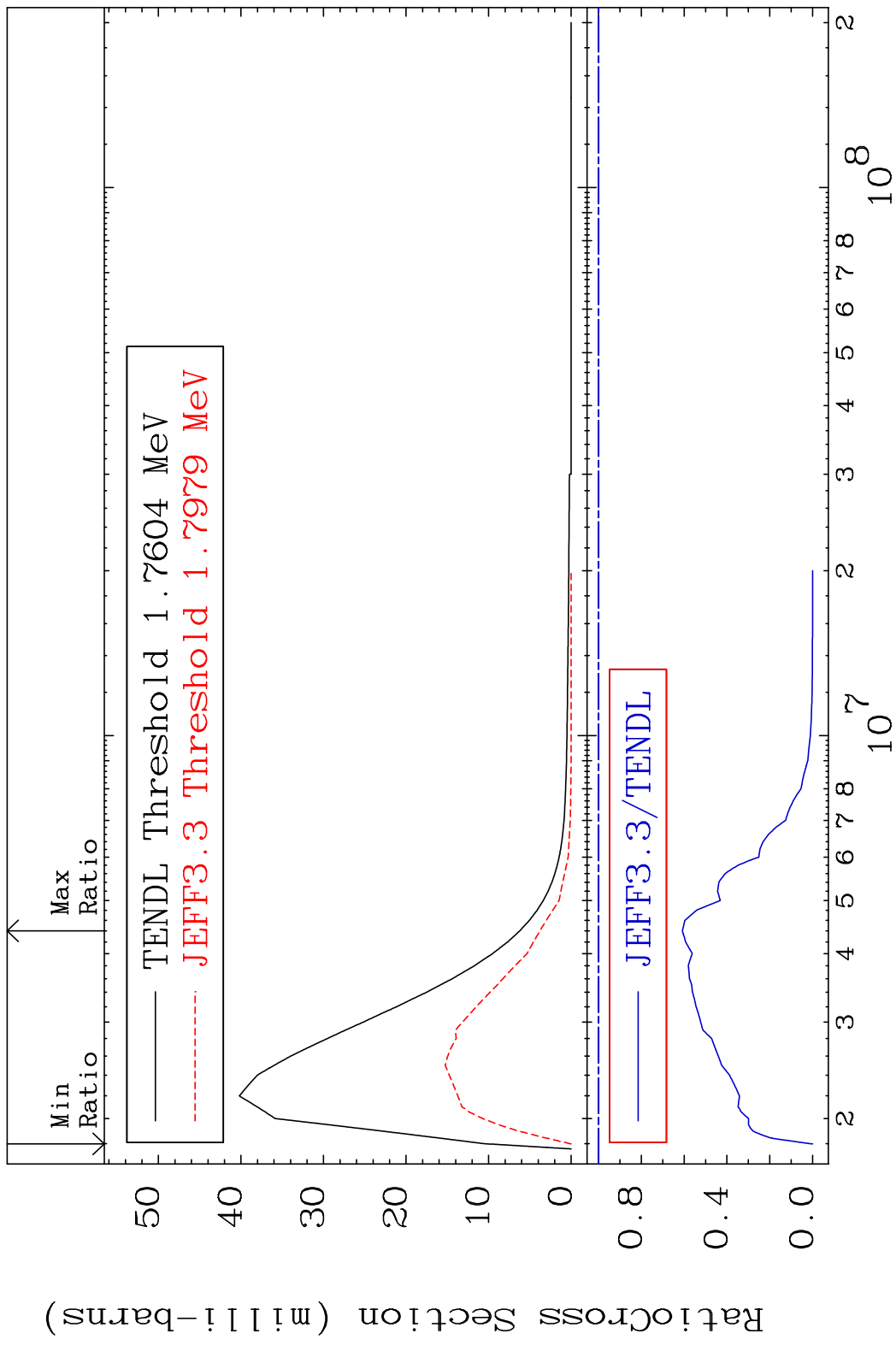


MAT 5028 MT= 72 (n,n') Level 50-Sn-113  
 Cross Section -100.0 To 563.7 %

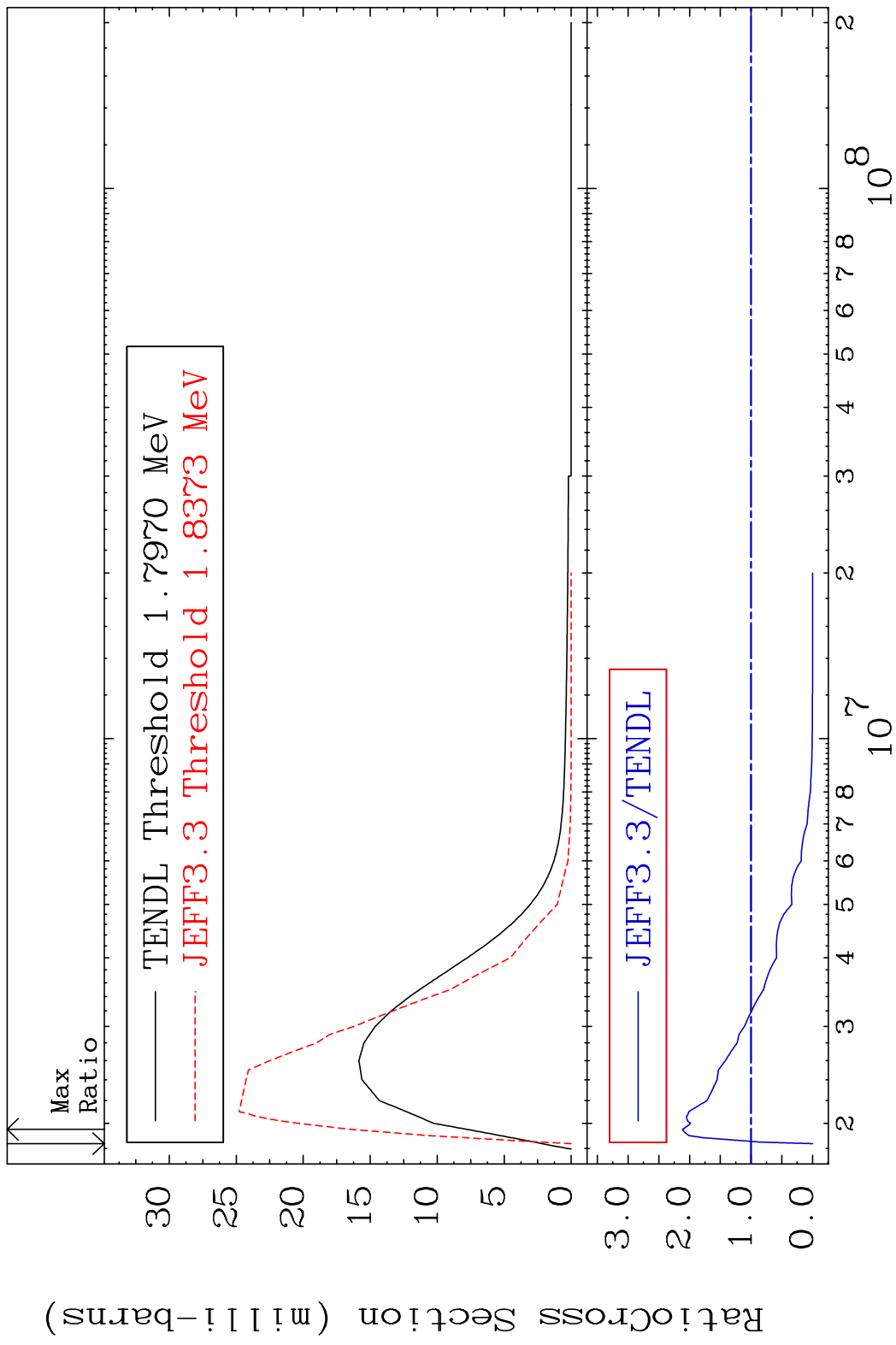




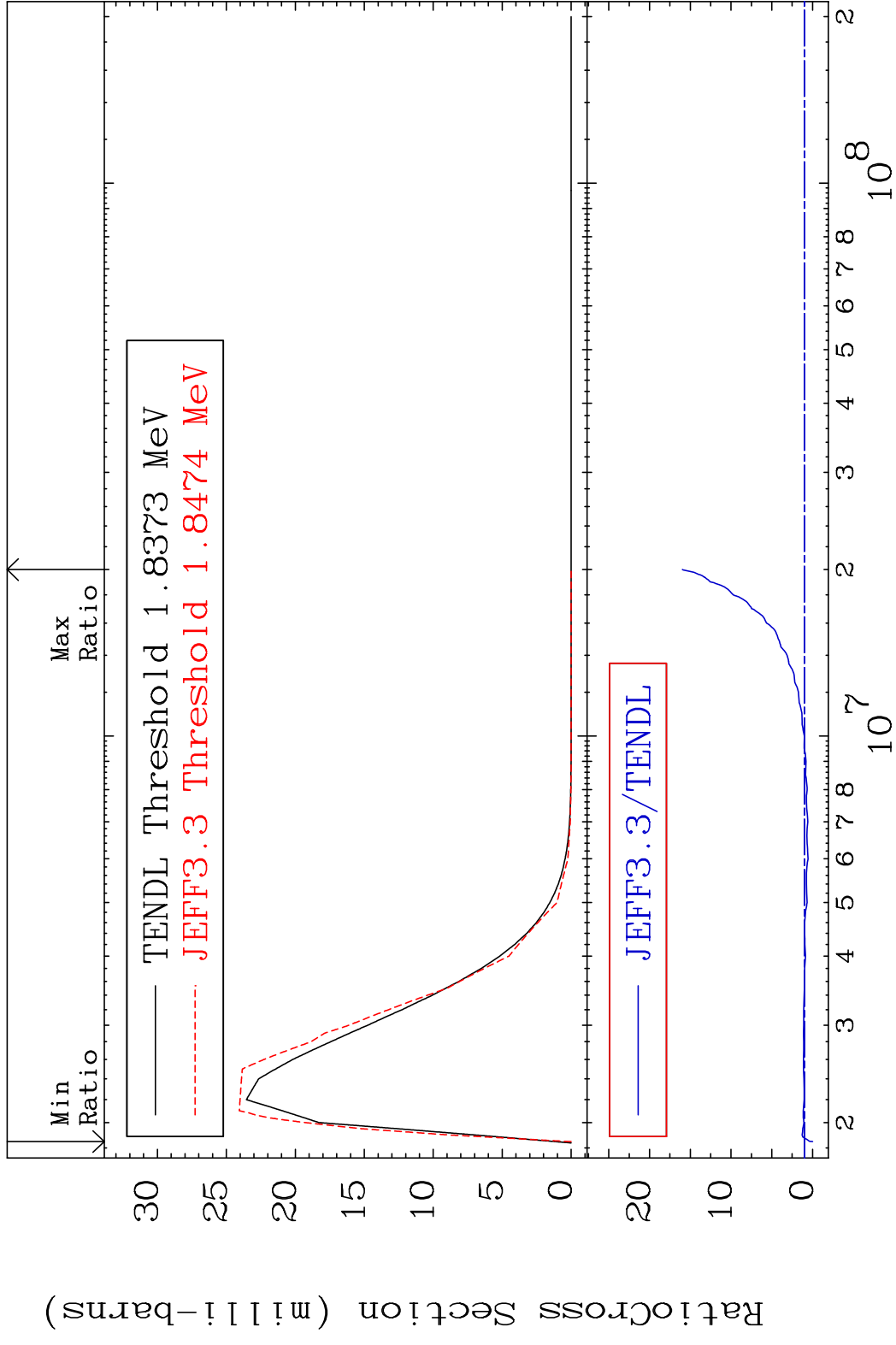
MAT 5028      MT= 73 (n,n') Level      50-Sn-113  
 Cross Section    -100.0 To -39.15%



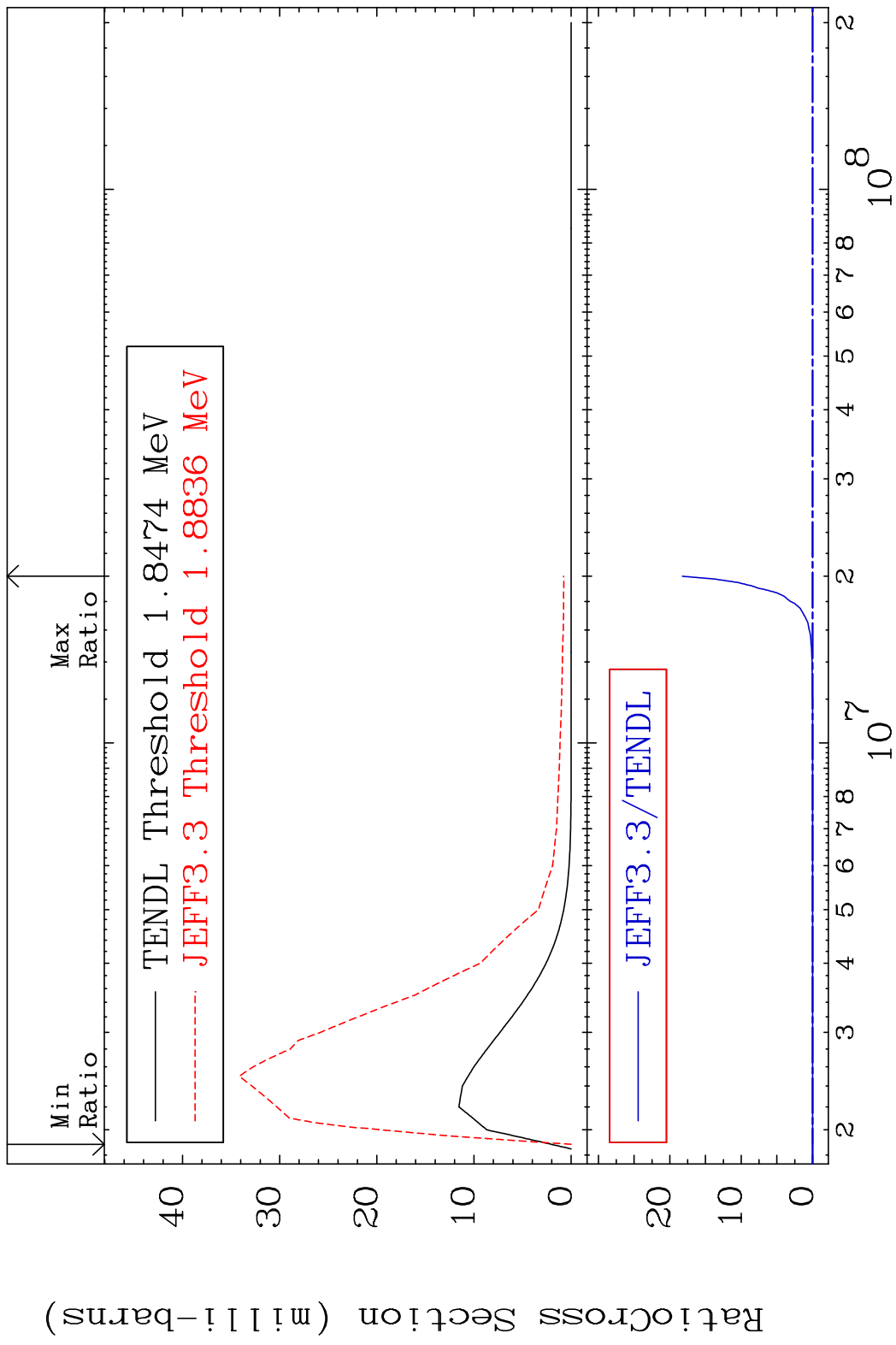
MAT 5028 MT= 74 (n, n') Level 50-Sn-113  
 Cross Section -100.0 To 111.8 %



MAT 5028 MT= 75 (n, n') Level 50-Sn-113  
 Cross Section -100.0 To 1497. %

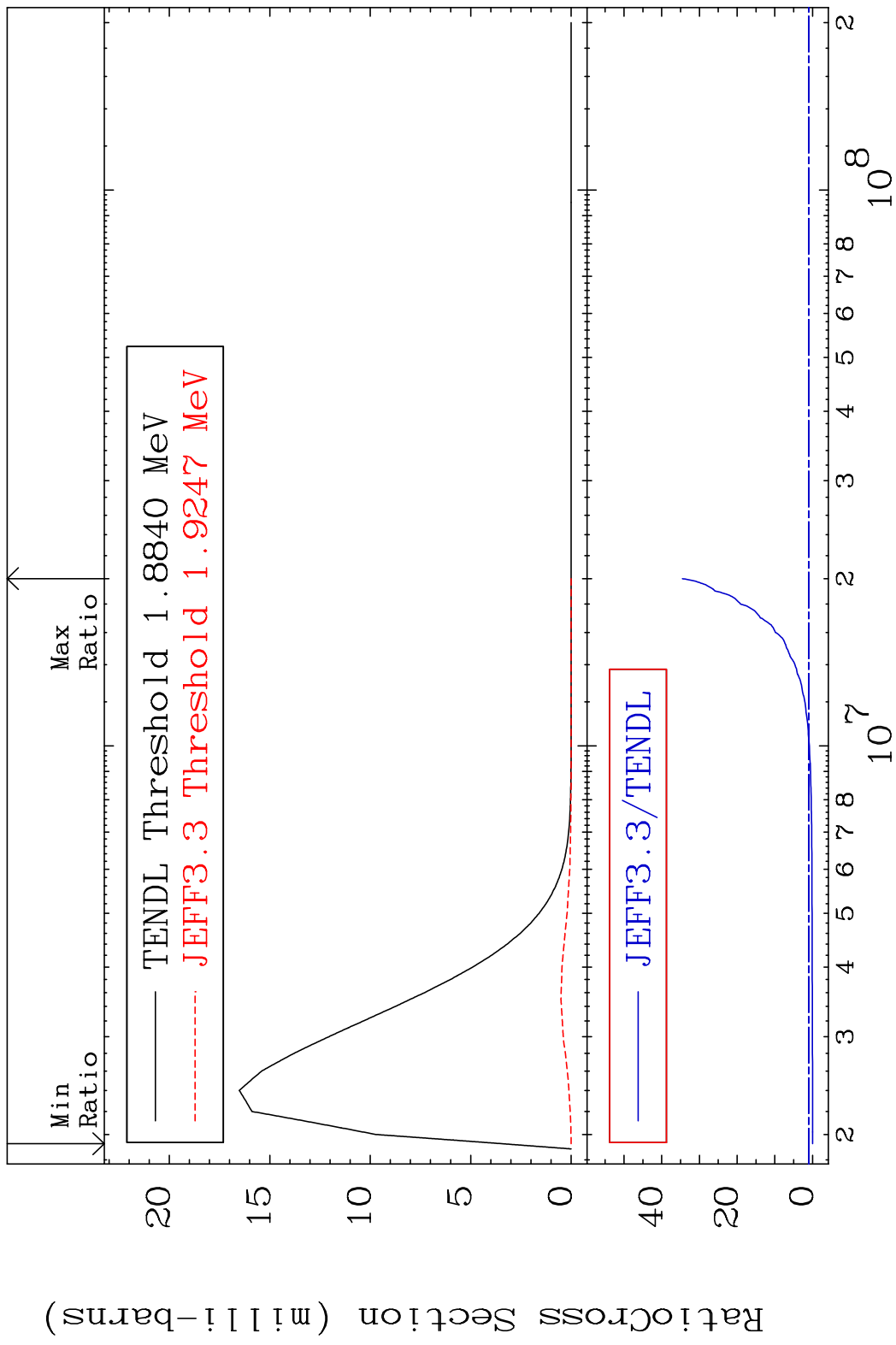


MAT 5028 MT= 76 (n, n') Level 50-Sn-113  
 Cross Section -100.0 To 9999. %

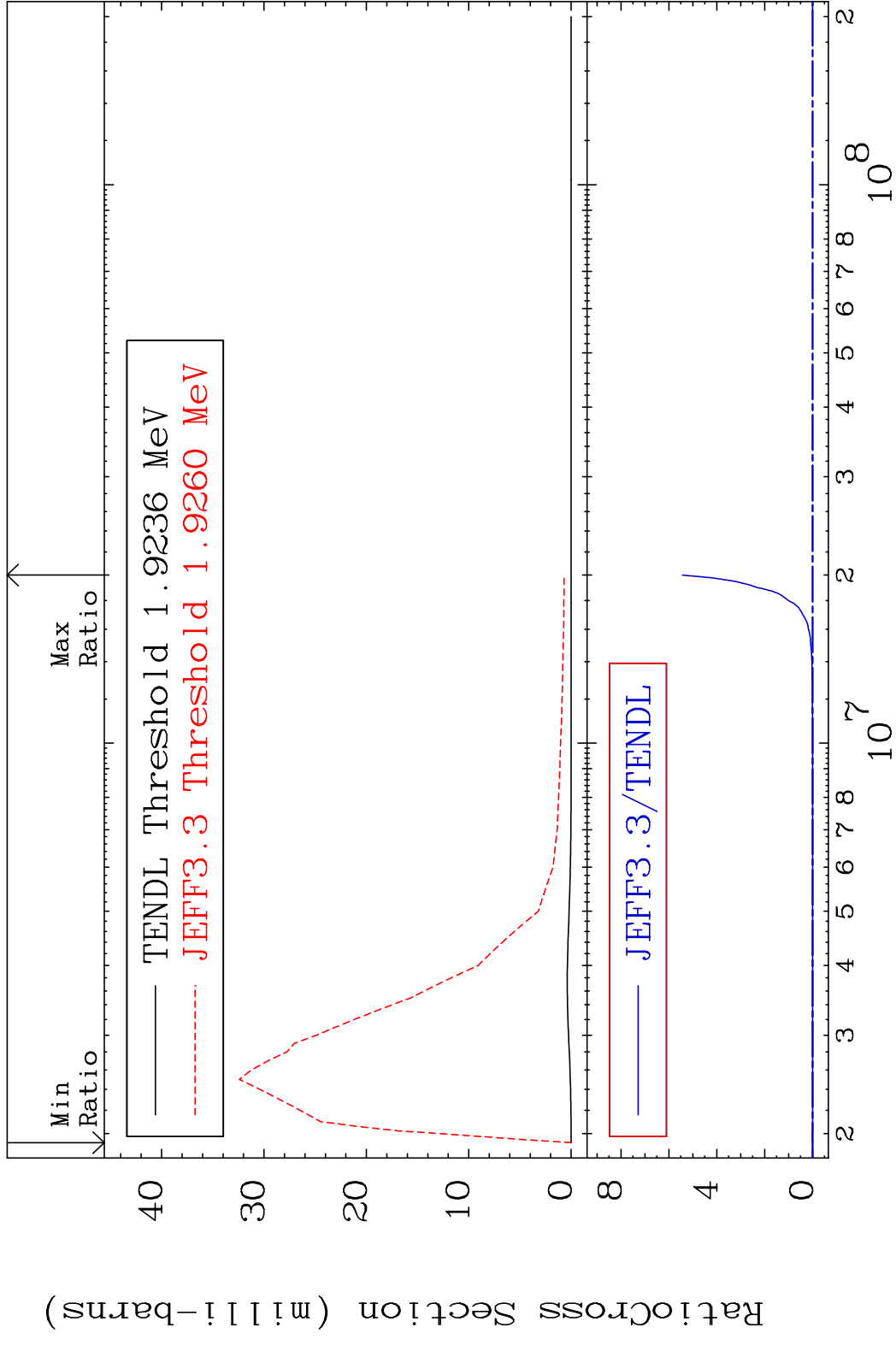


35 Incident Energy (eV) 50-Sn-113

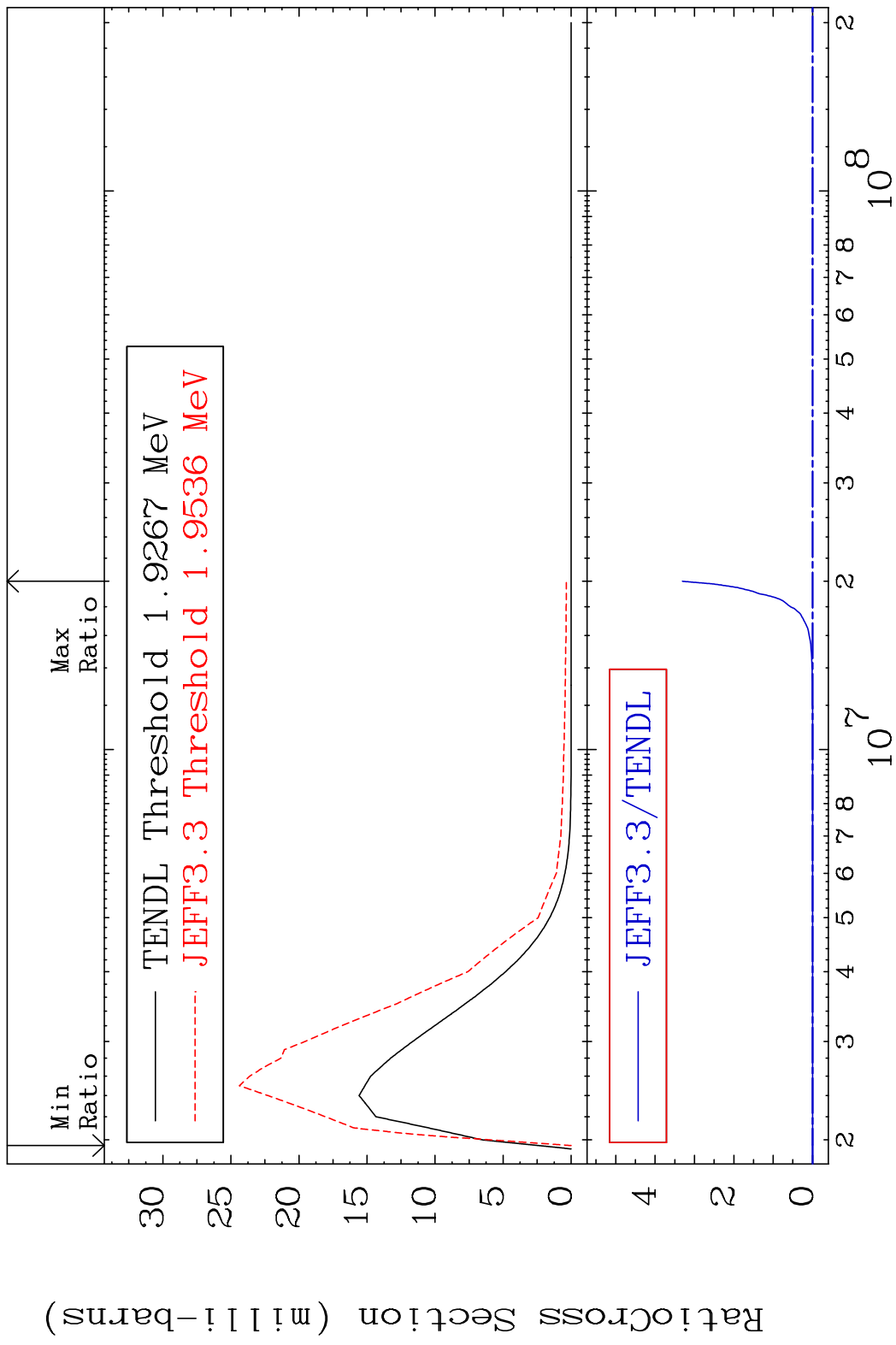
MAT 5028 MT= 77 (n, n') Level 50-Sn-113  
 Cross Section -100.0 To 3352. %



MAT 5028 MT= 78 (n, n') Level 50-Sn-113  
 Cross Section -100.0 To 9999. %



MAT 5028 MT= 79 (n, n') Level 50-Sn-113  
 Cross Section -100.0 To 9999. %

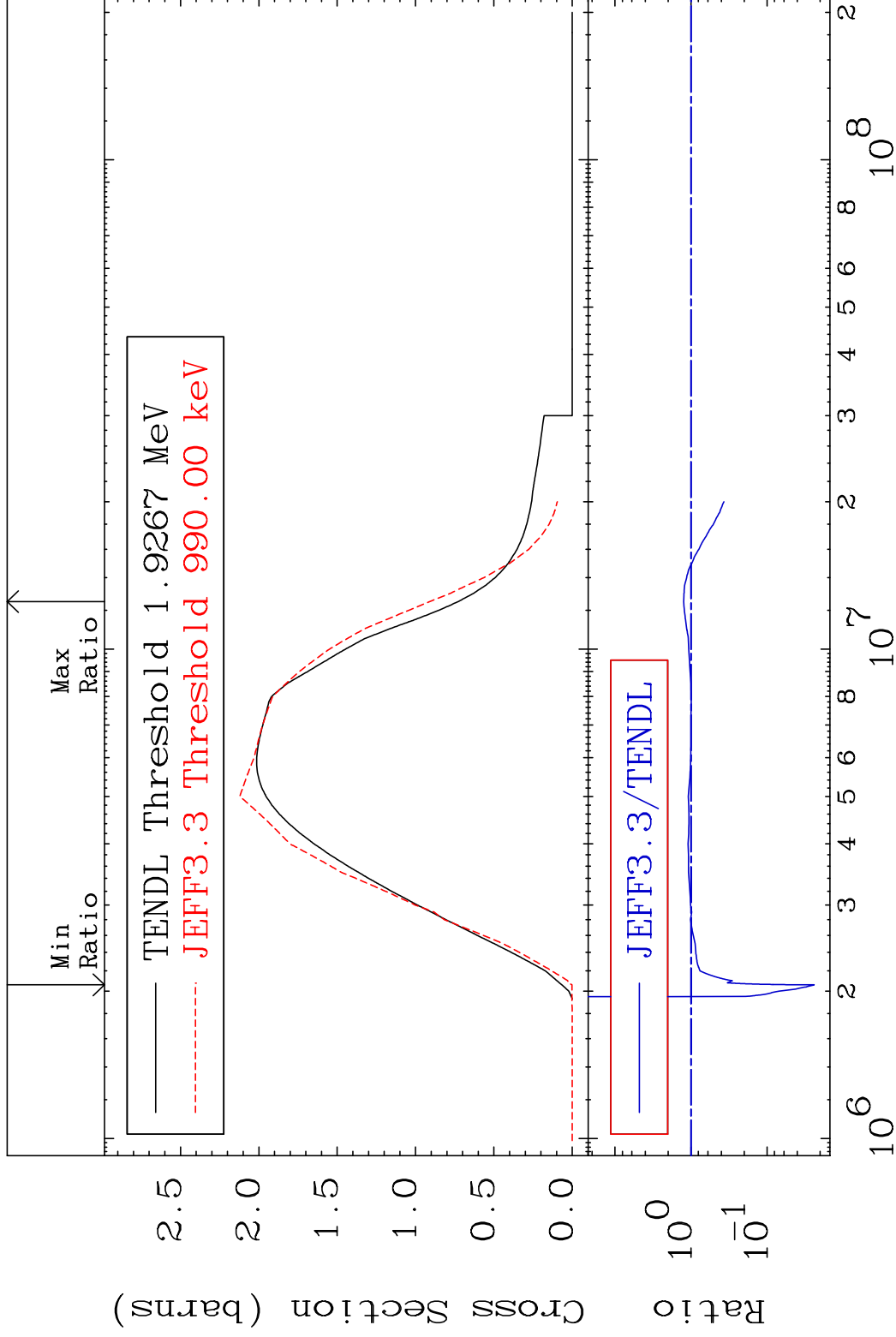


MAT 5028

(n, n') Continuum

50-Sn-113

Cross Section -97.60 To 25.05 %



39

Incident Energy (eV)

50-Sn-113

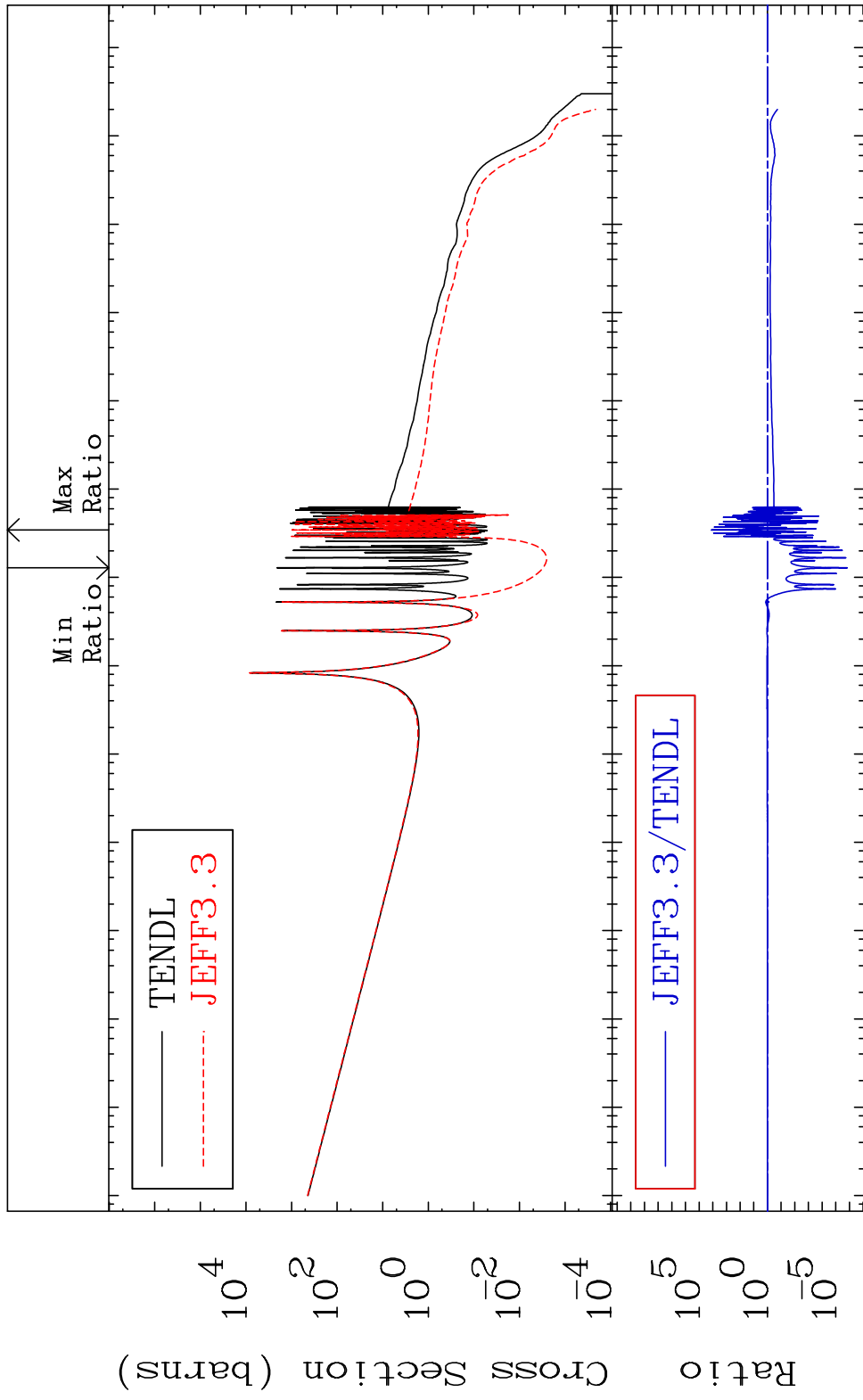


MAT 5028

(n,  $\gamma$ )

50-Sn-113

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

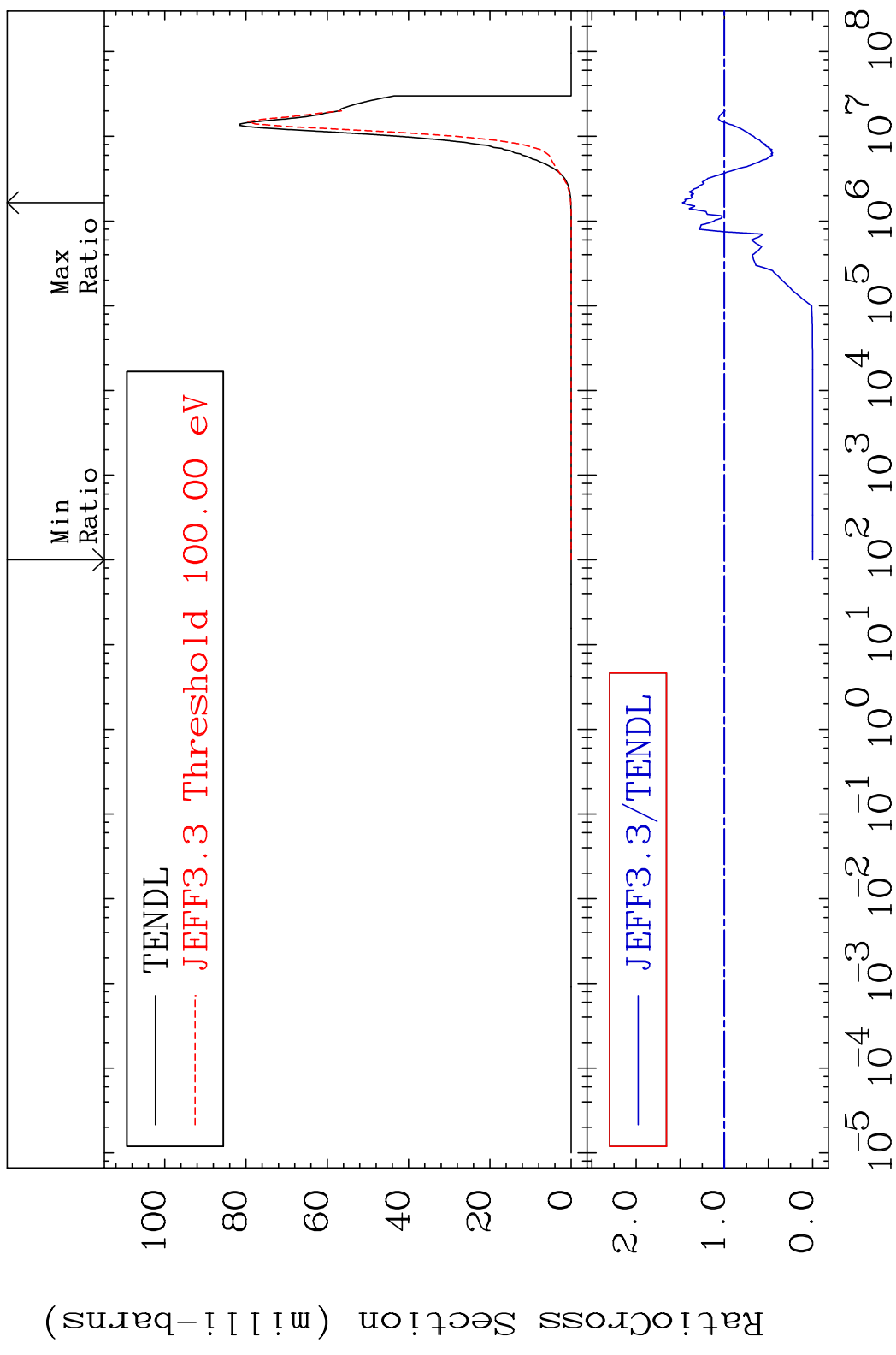
50-Sn-113

MAT 5028

(n, p)

50-Sn-113

Cross Section -100.0 To 47.54 %



41

Incident Energy (eV)

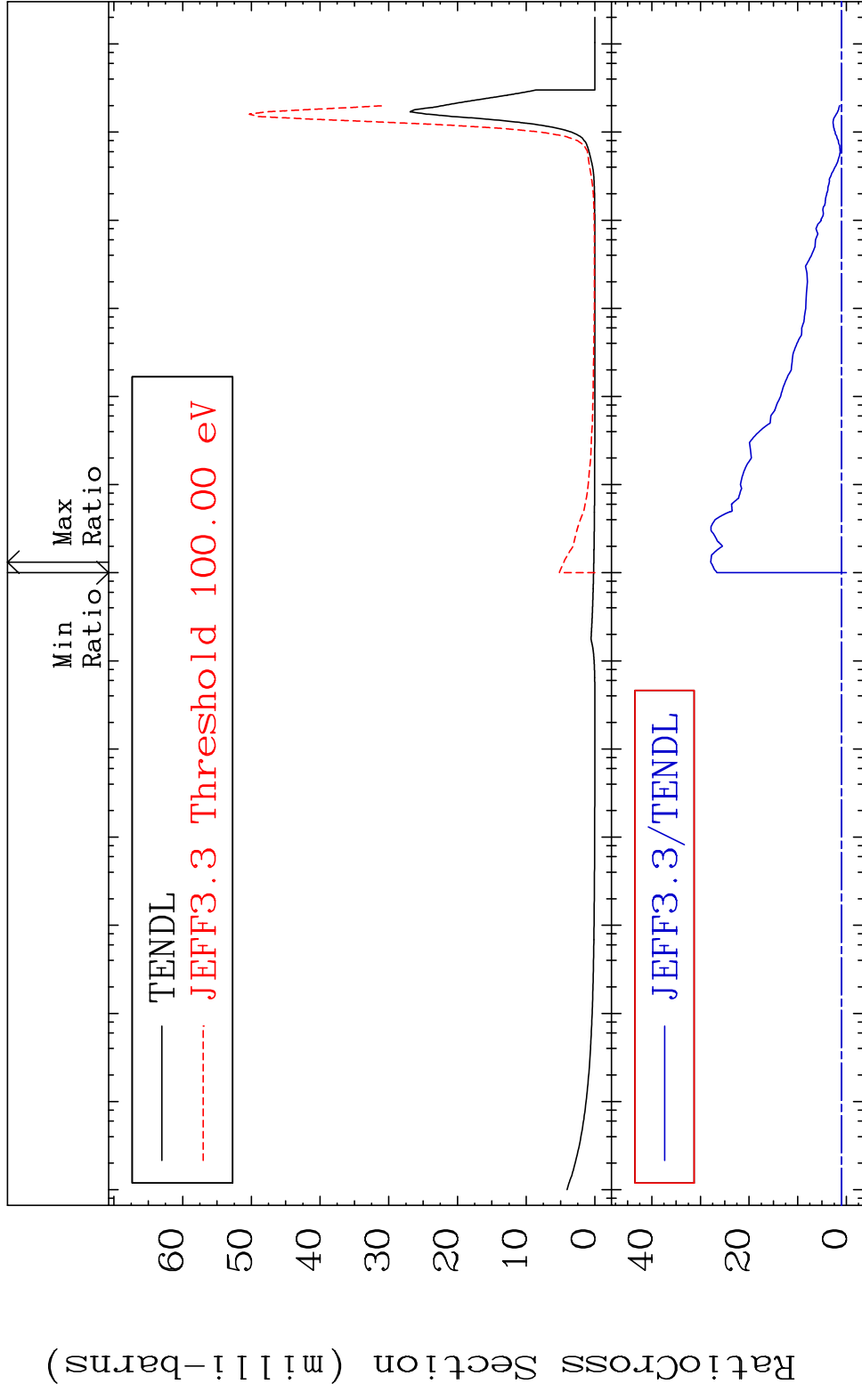
50-Sn-113

MAT 5028

50-Sn-113

(n,  $\alpha$ )

Cross Section -100.0 To 2689. %



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>

42

Incident Energy (eV)

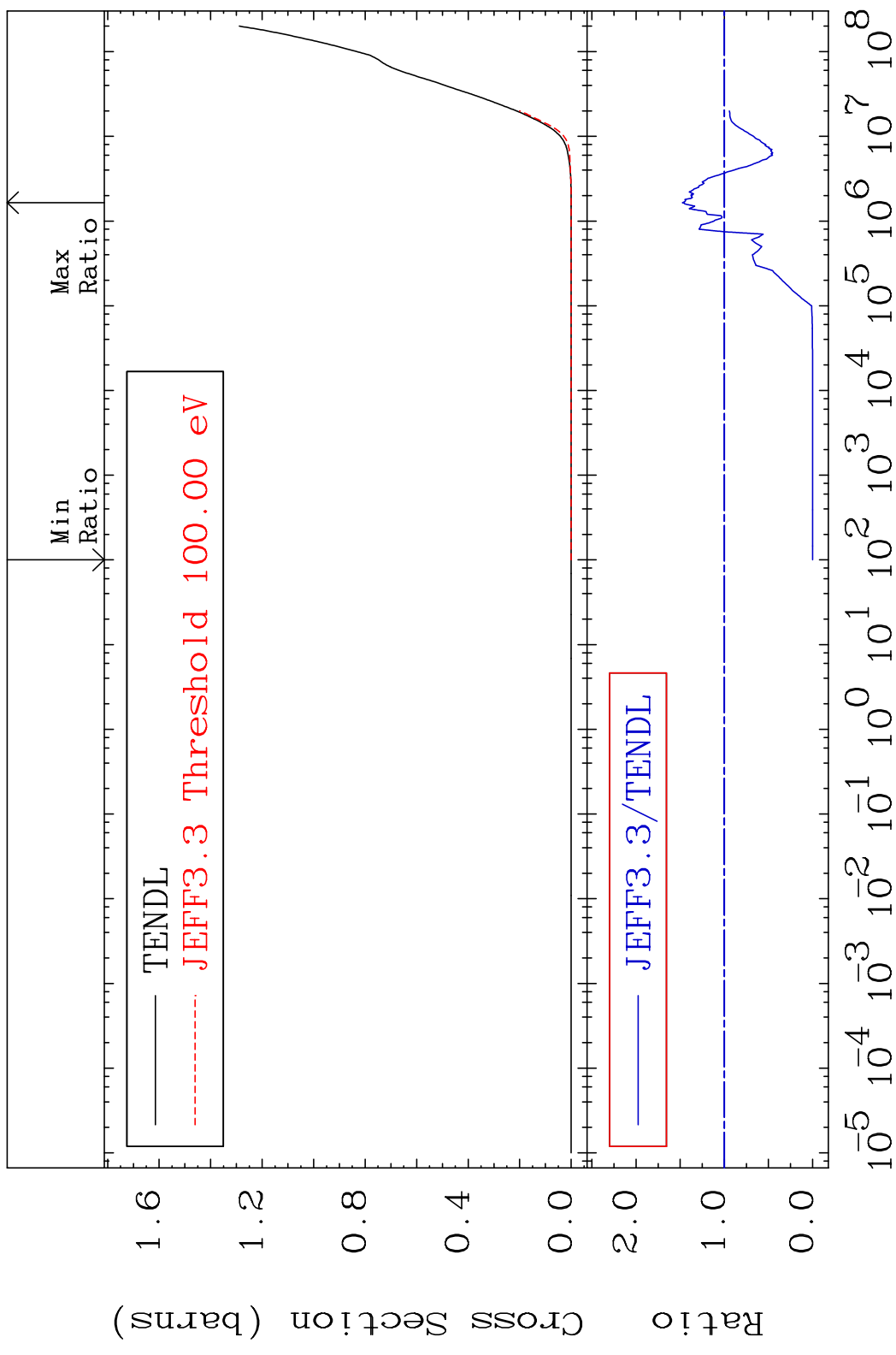
50-Sn-113

MAT 5028

Hydrogen Production

50-Sn-113

Cross Section -100.0 To 47.54 %



43

Incident Energy (eV)

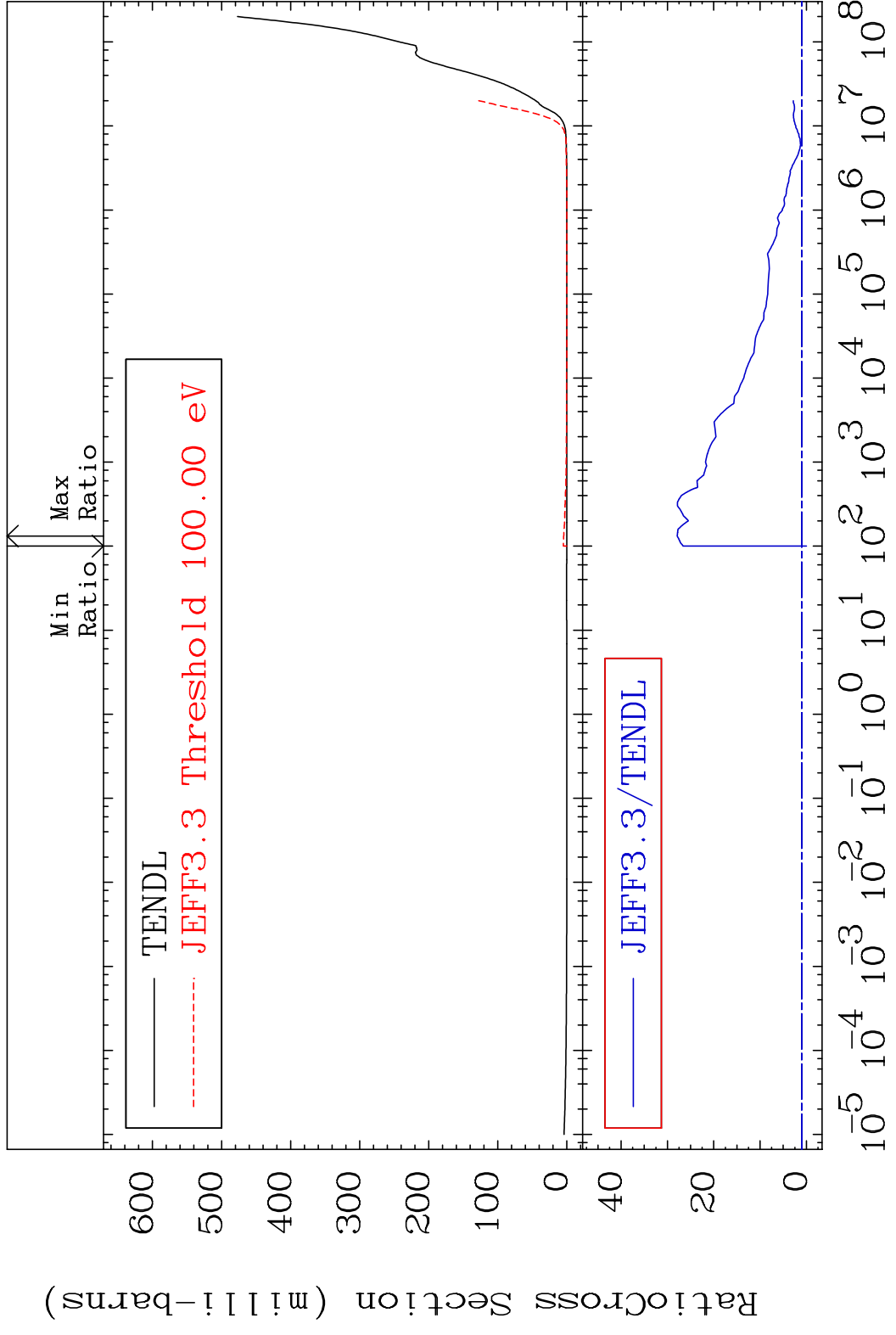
50-Sn-113

MAT 5028

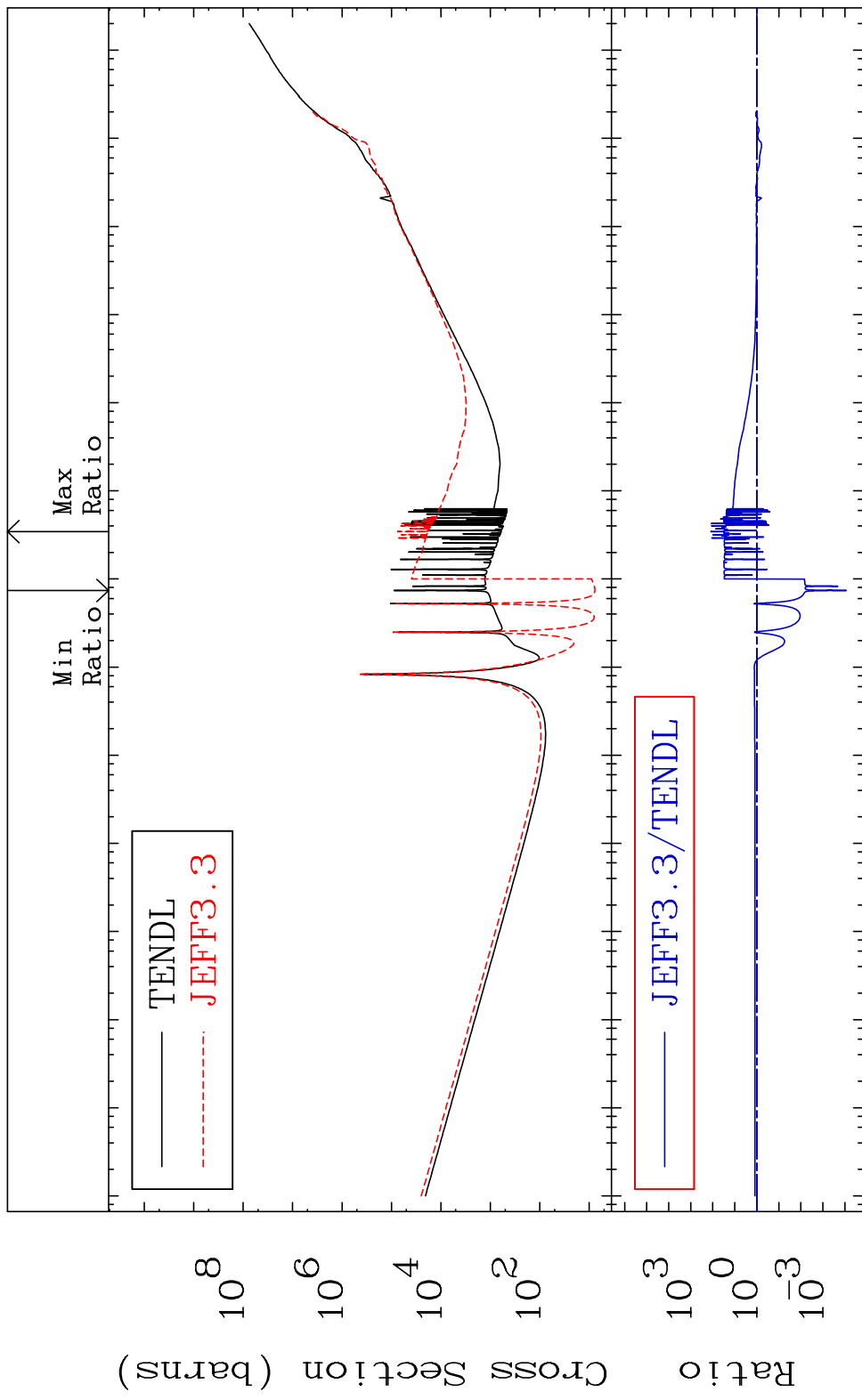
He-4 Production

50-Sn-113

Cross Section -100.0 To 2689. %



MAT 5028 Kerma total (eV-barns) 50-Sn-113  
 Cross Section -99.99 To 9999. %



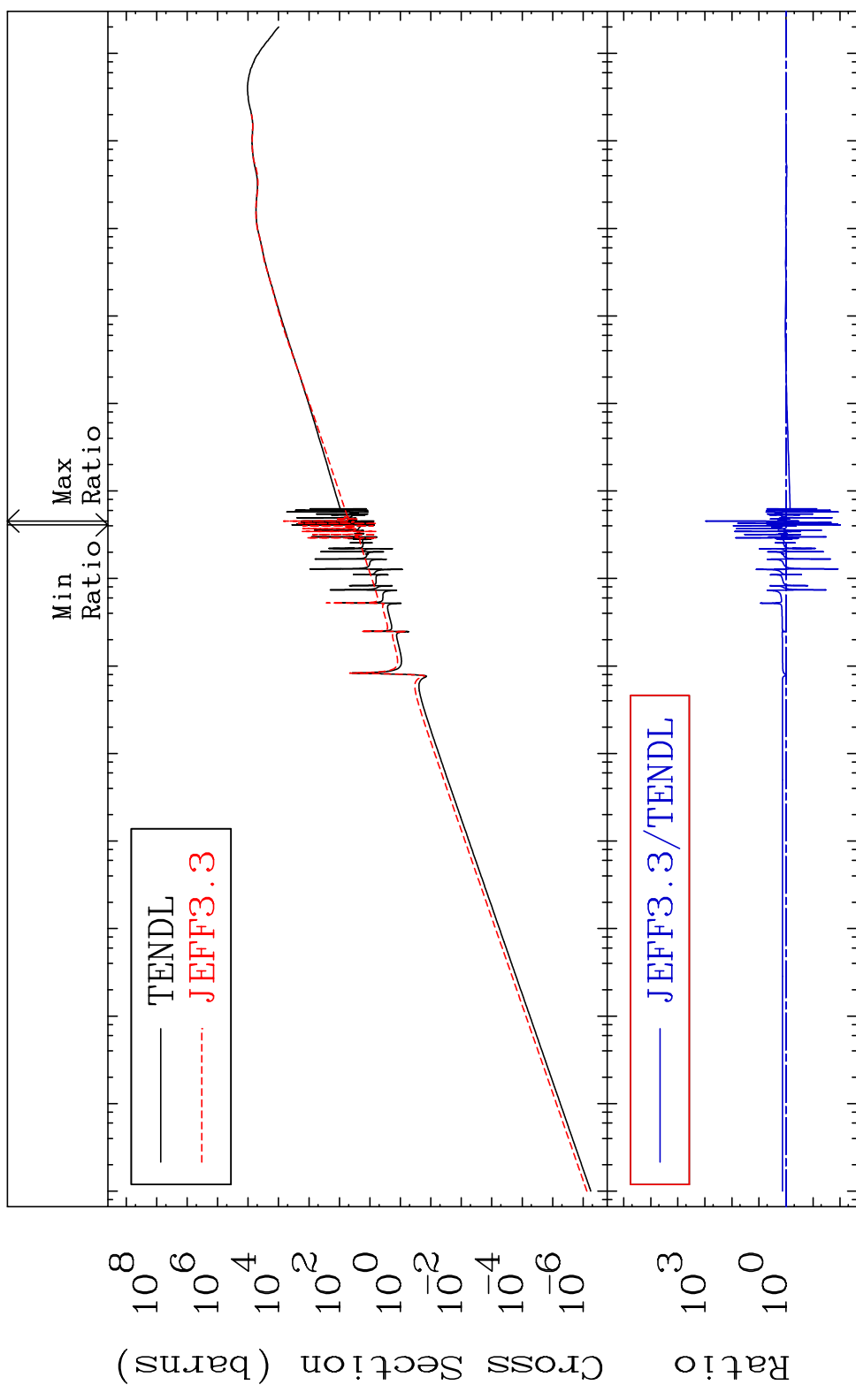
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

45 Incident Energy (eV) 50-Sn-113

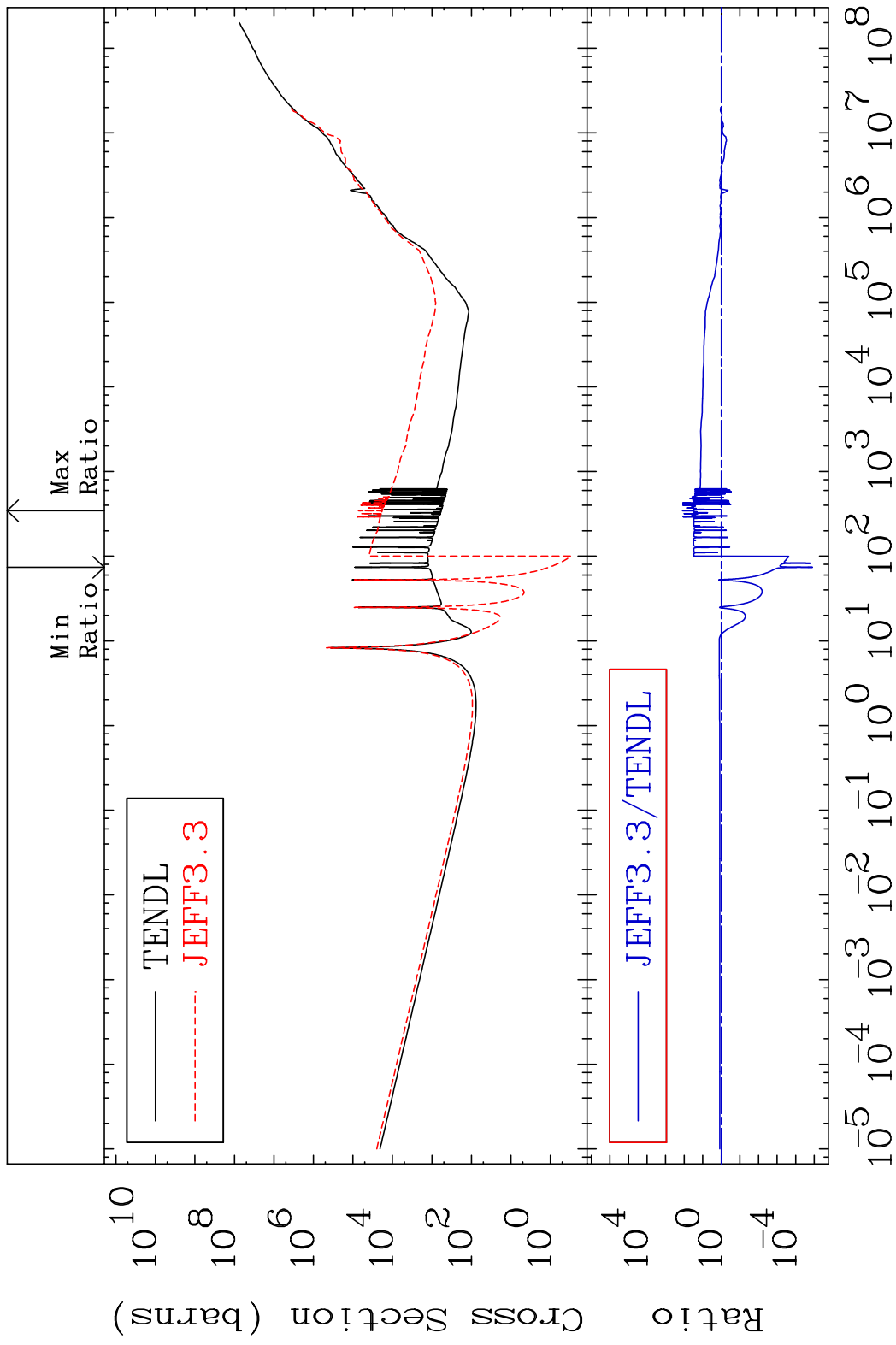
MAT 5028

Kerma elastic  
Cross Section -99.03 To 9999. %

50-Sn-113

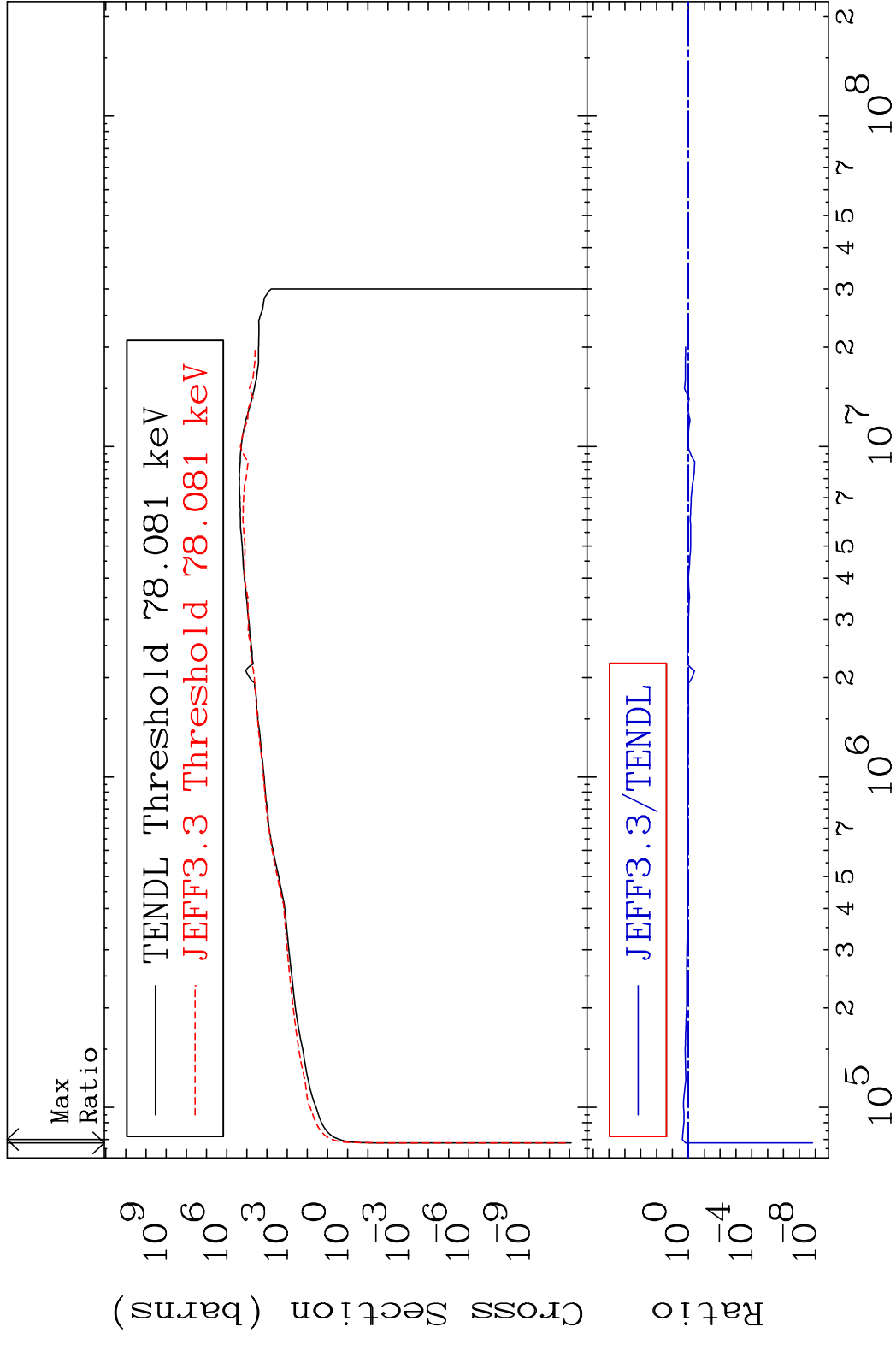


MAT 5028 Kerma non-elastic (all but mt2) 50-Sn-113  
 Cross Section -100.0 To 9999. %

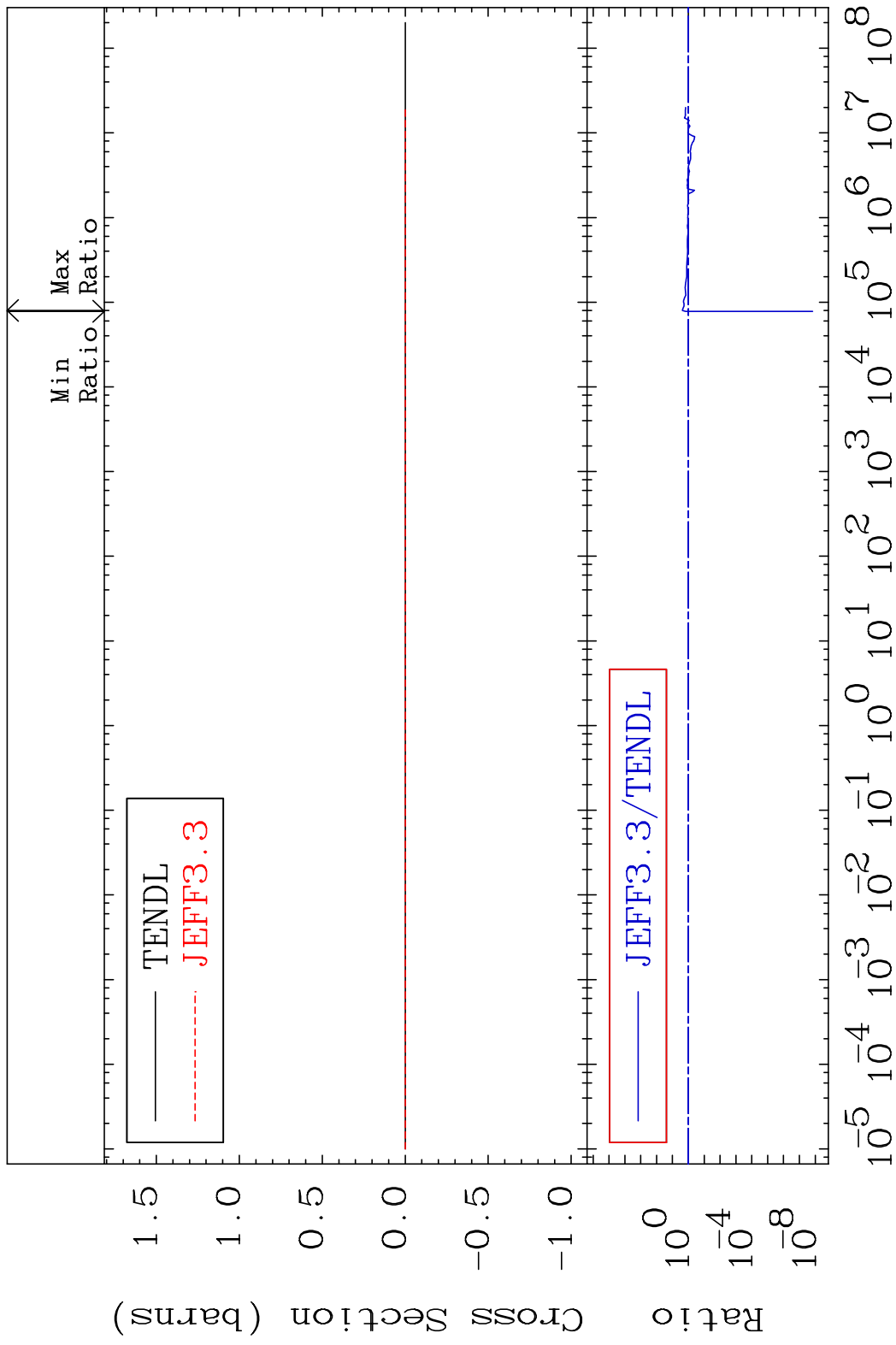




MAT 5028 Kerma inelastic (mt51-91) 50-Sn-113  
 Cross Section -100.0 To 138.0 %

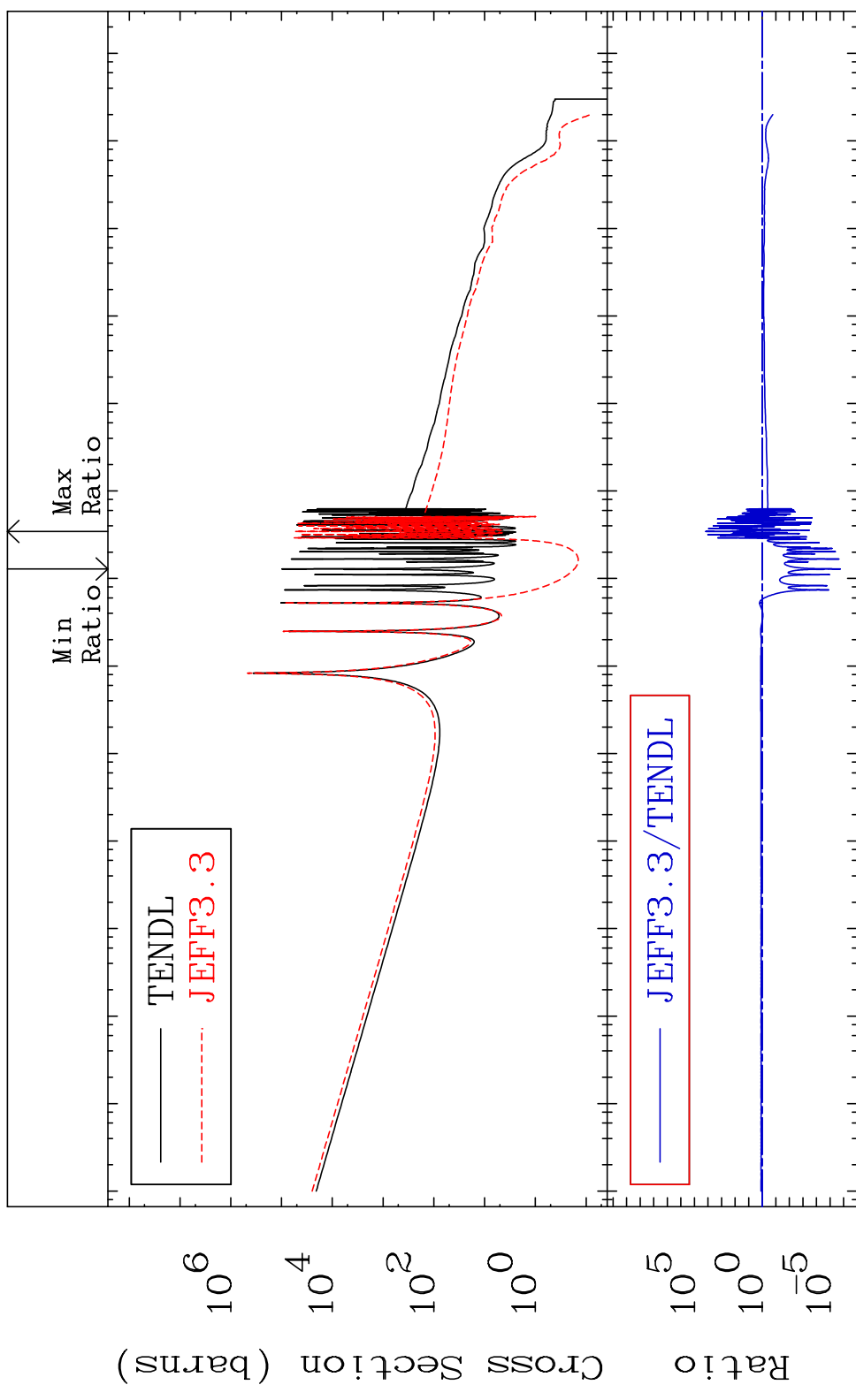


MAT 5028 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-113  
 Cross Section -100.0 To 138.0 %



MAT 5028

Kerma capture (mt102) 50-Sn-113  
Cross Section -100.0 To 9999. %

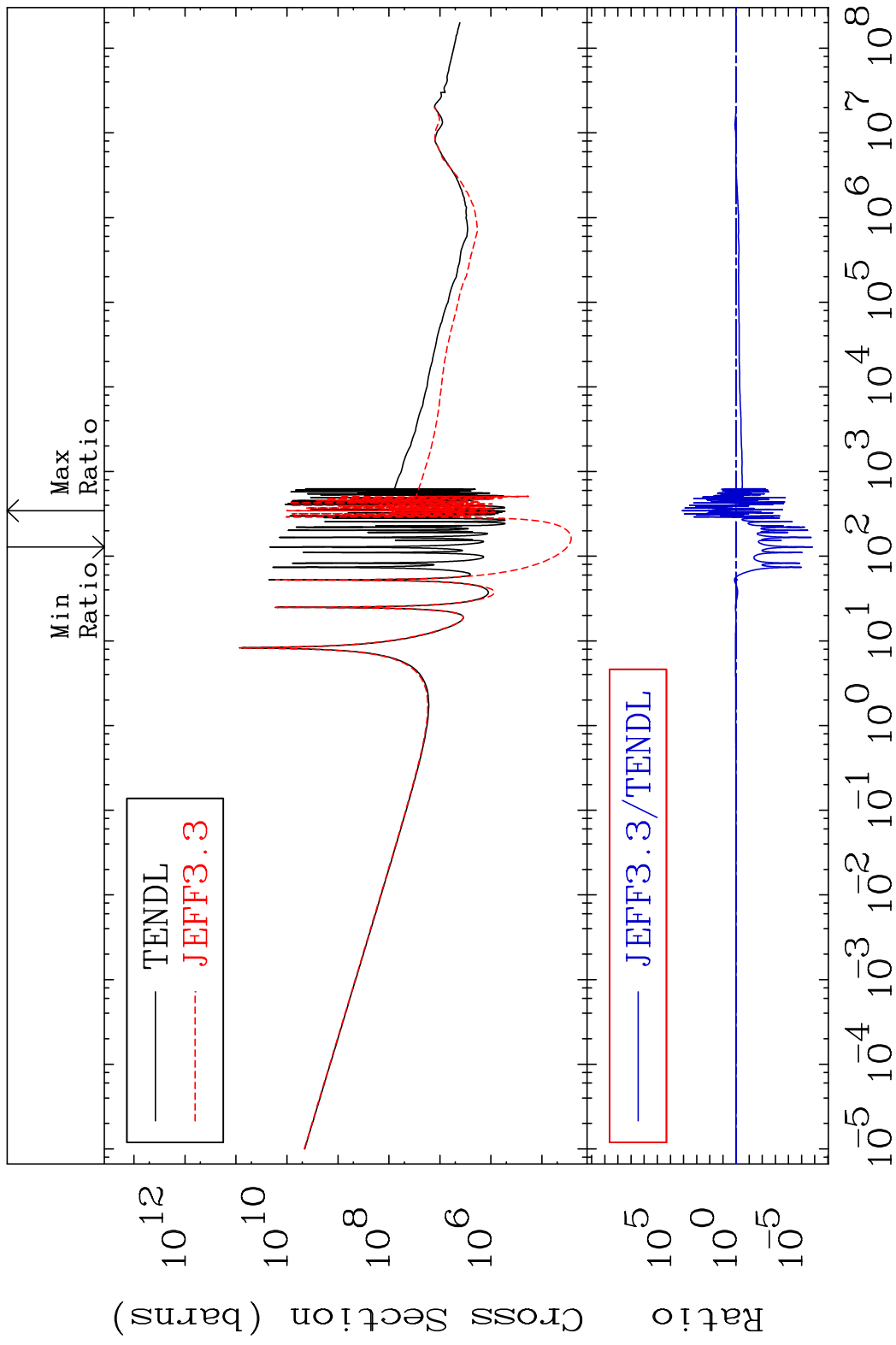


50

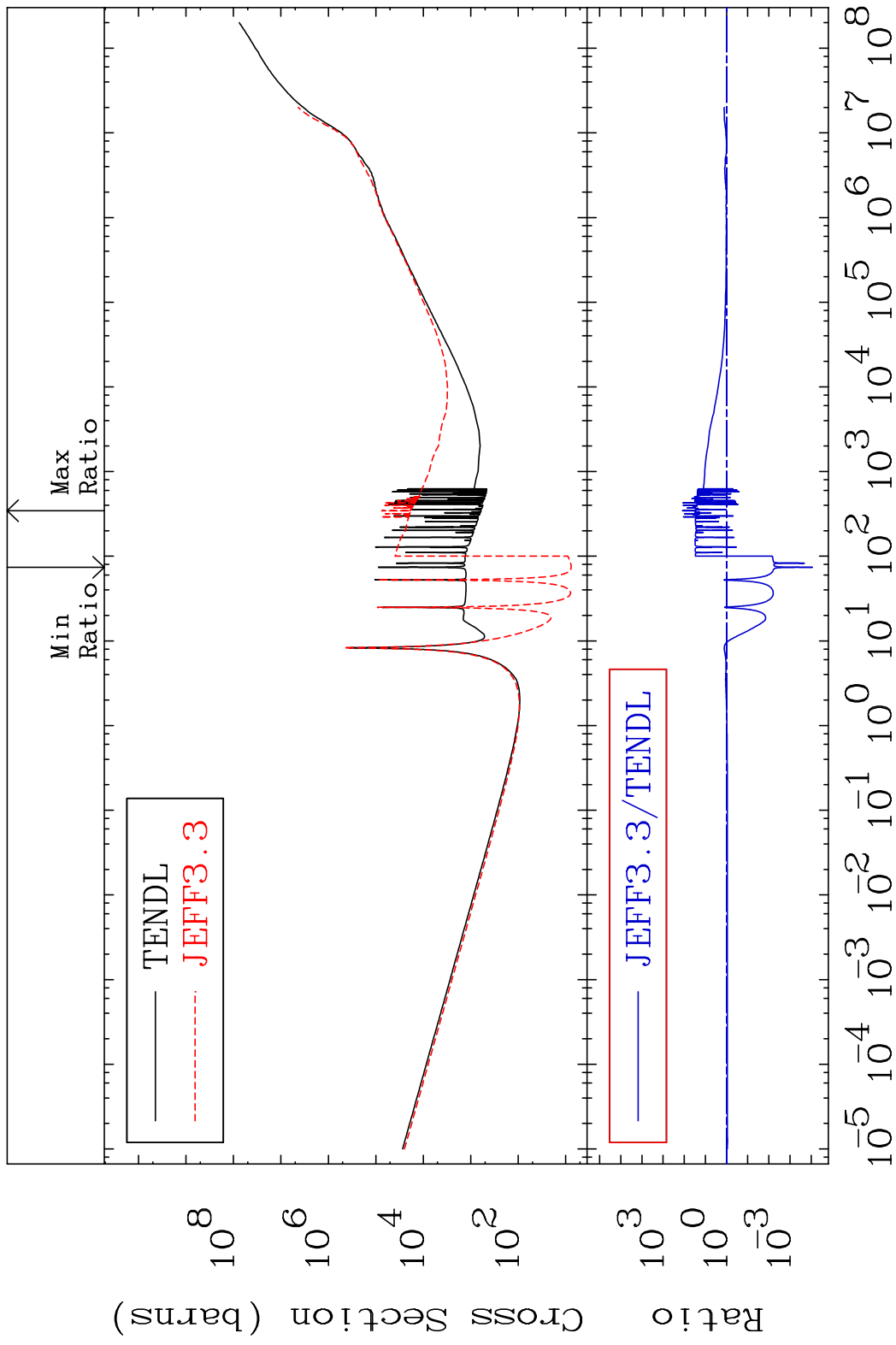
Incident Energy (eV)

50-Sn-113

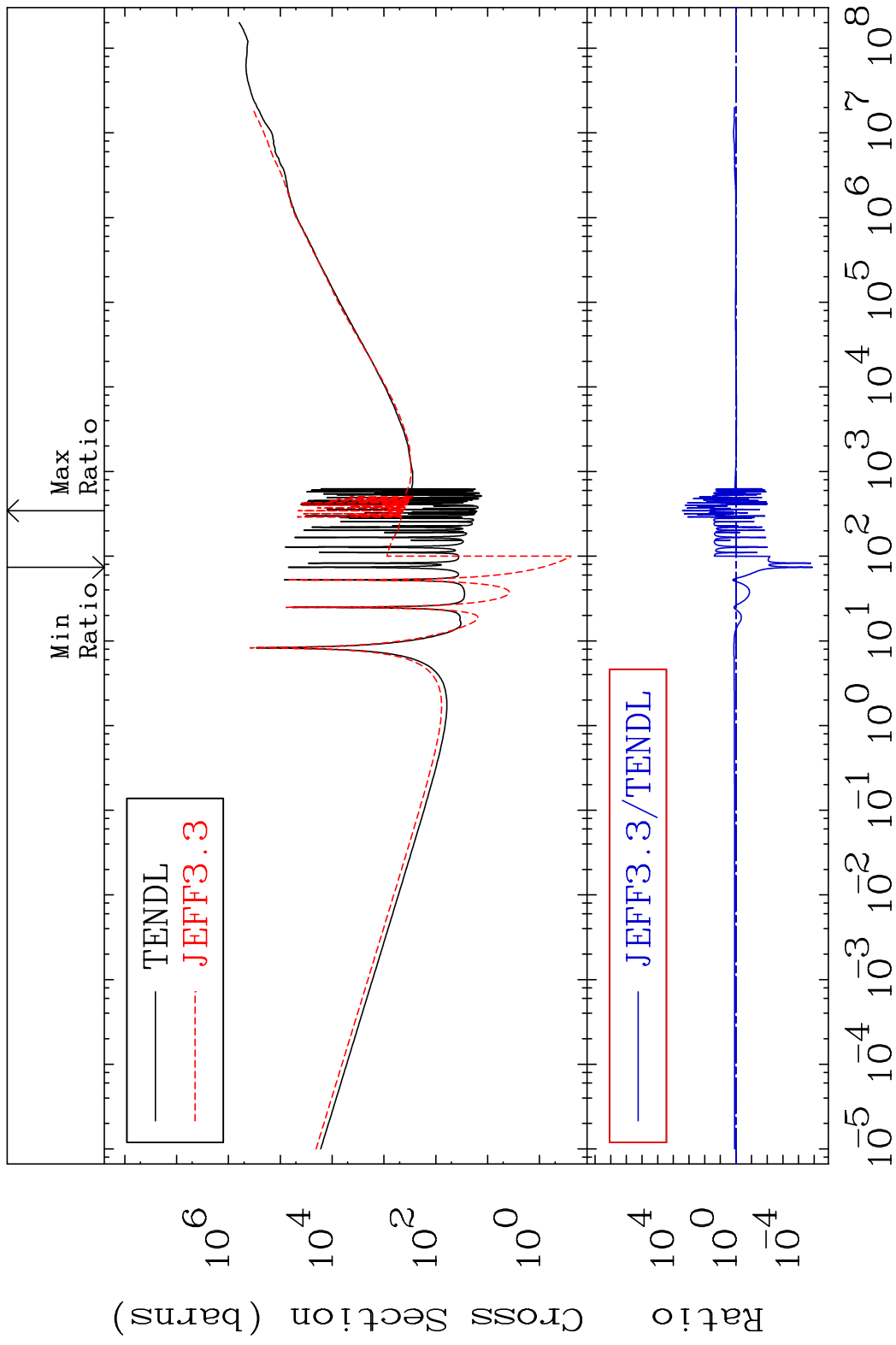
MAT 5028 Total photon (eV-barns) 50-Sn-113  
 Cross Section -100.0 To 9999. %



MAT 5028 Total kinematic kerma (high limit) 50-Sn-113  
 Cross Section -99.99 To 9999. %



MAT 5028      Dpa total (eV-barns)      50-Sn-113  
 Cross Section      -100.0 To 9999.      %



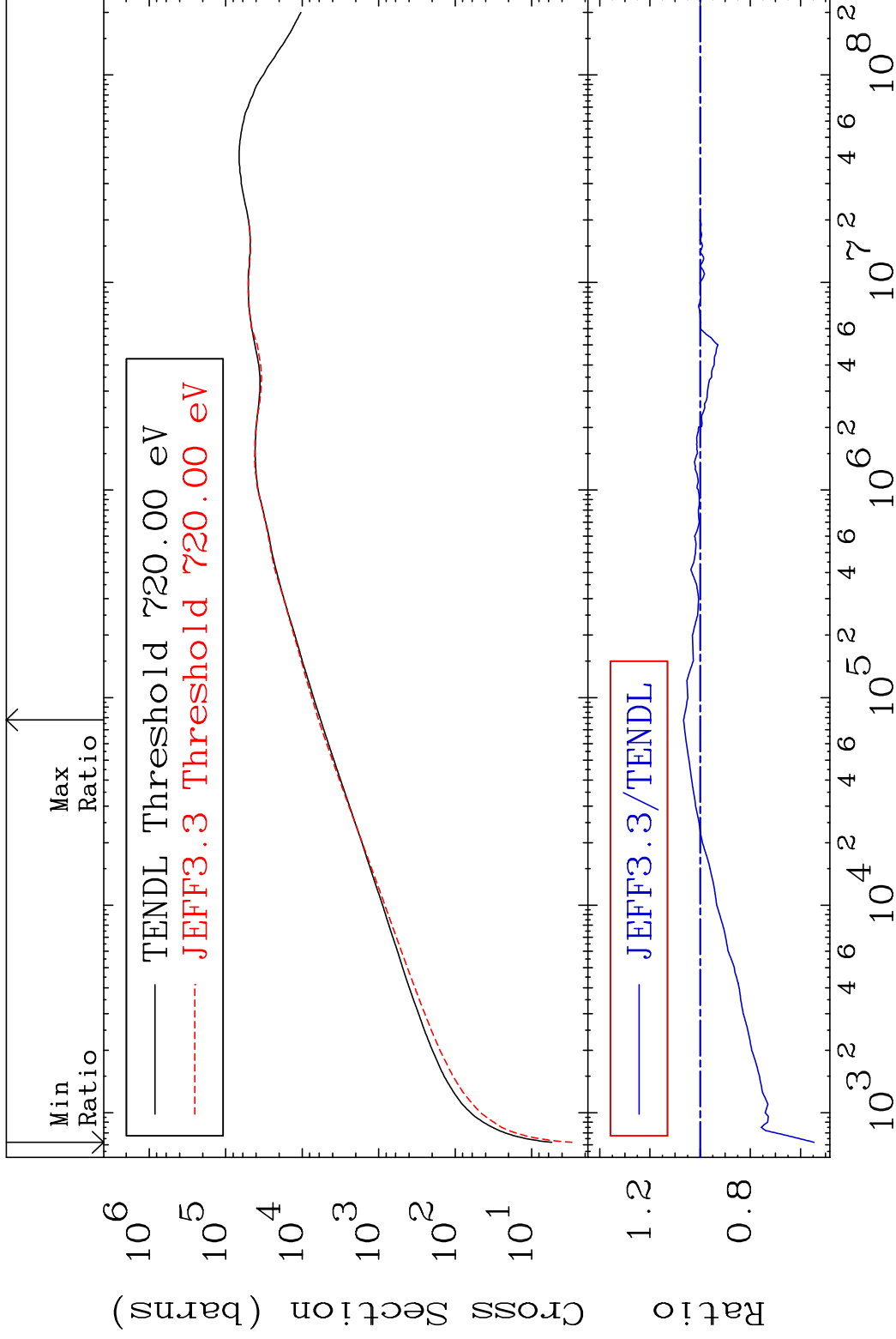
MAT 5028

Dpa elastic (mt2)

50-Sn-113

Cross Section

-45.38 To 6.642 %

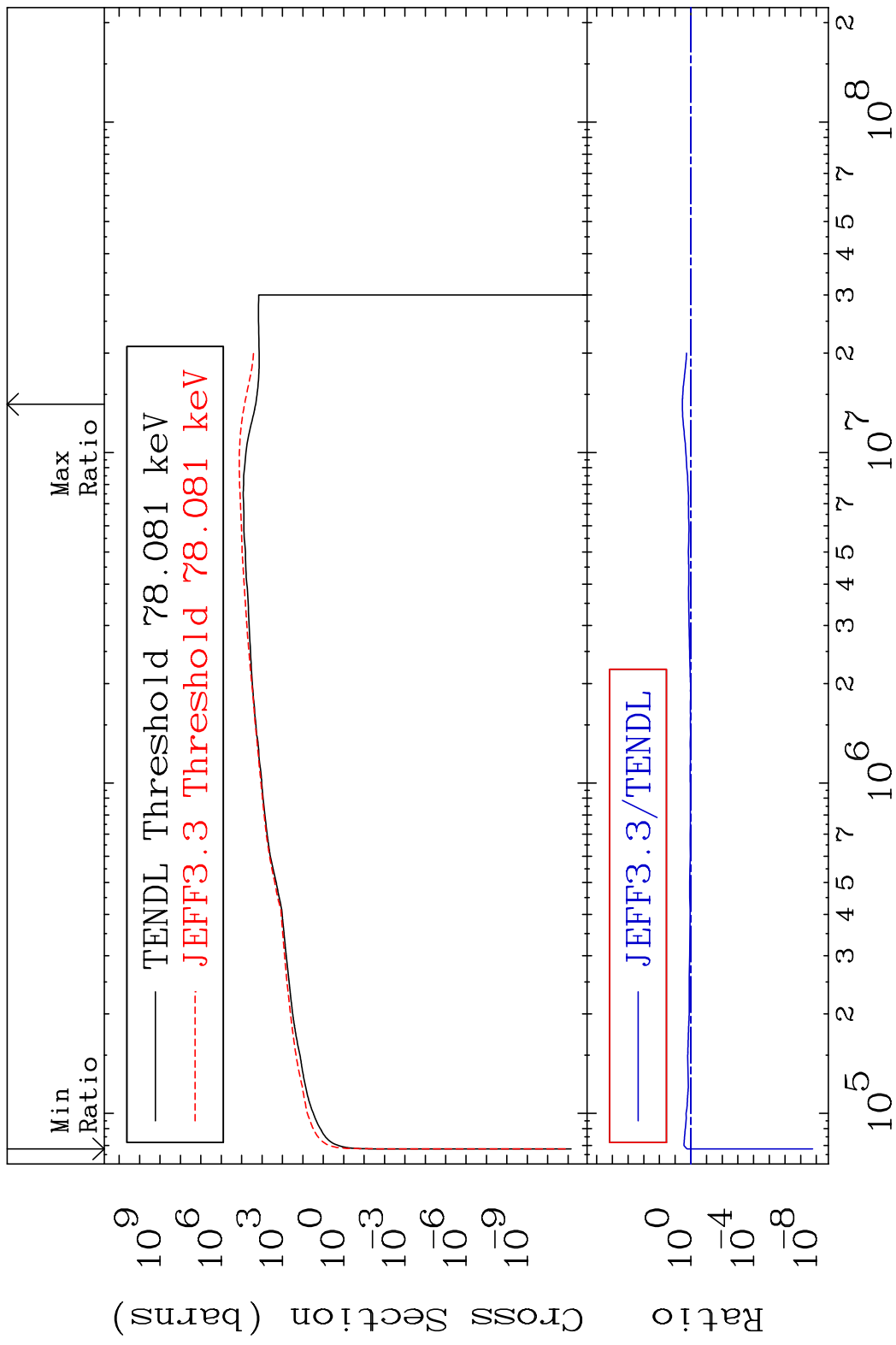


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Incident Energy (eV)

50-Sn-113

MAT 5028 Dpa inelastic (mt51-91) 50-Sn-113  
 Cross Section -100.0 To 247.7 %





MAT 5028 Dpa disappearance (mt102 -120) 50-Sn-113  
 Cross Section -100.0 To 9999. %

