

Program Complot  
(Version 2021-1)

by

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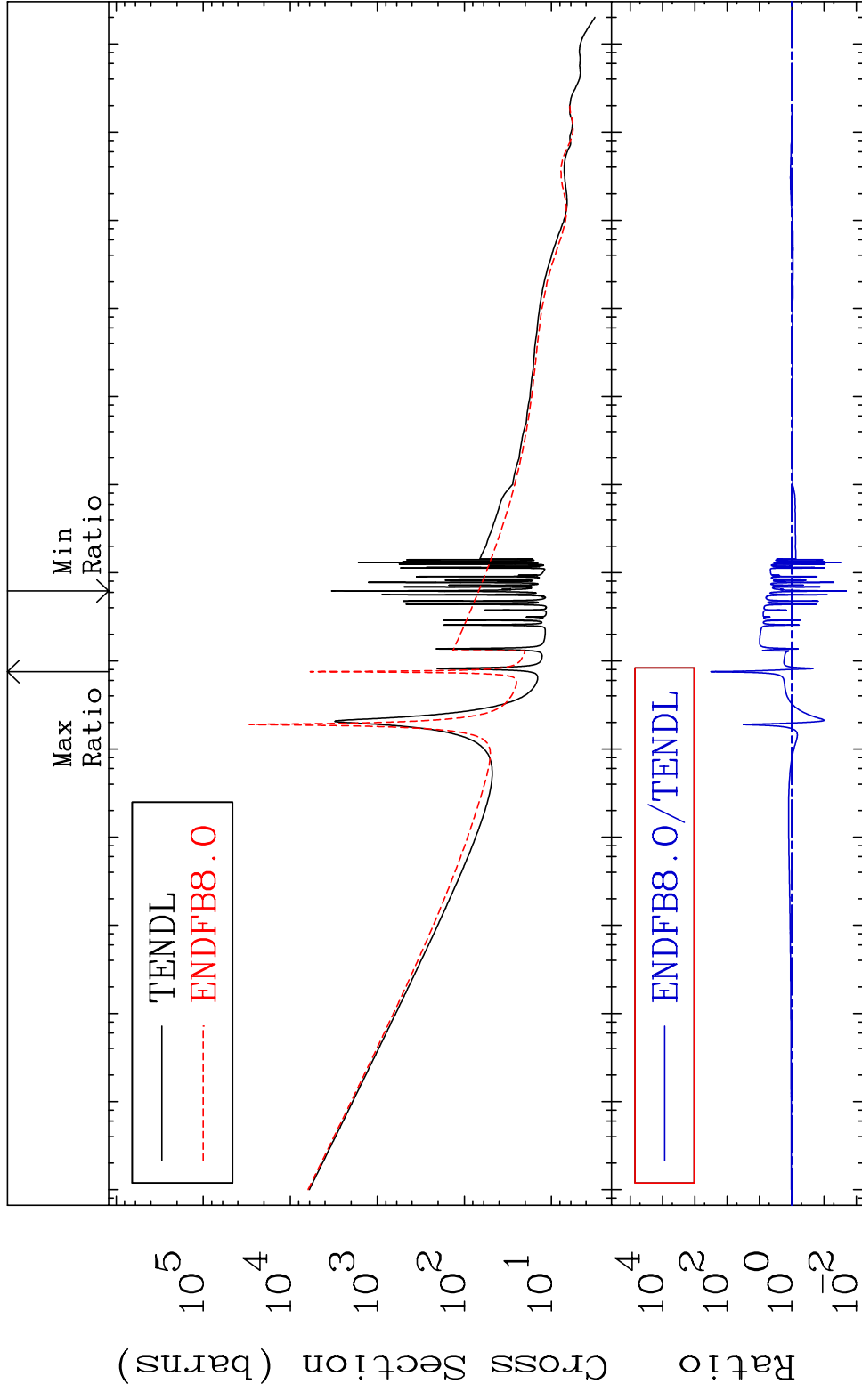
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9028

Total Cross Section -97.96 To 9999. %

90-Th-228

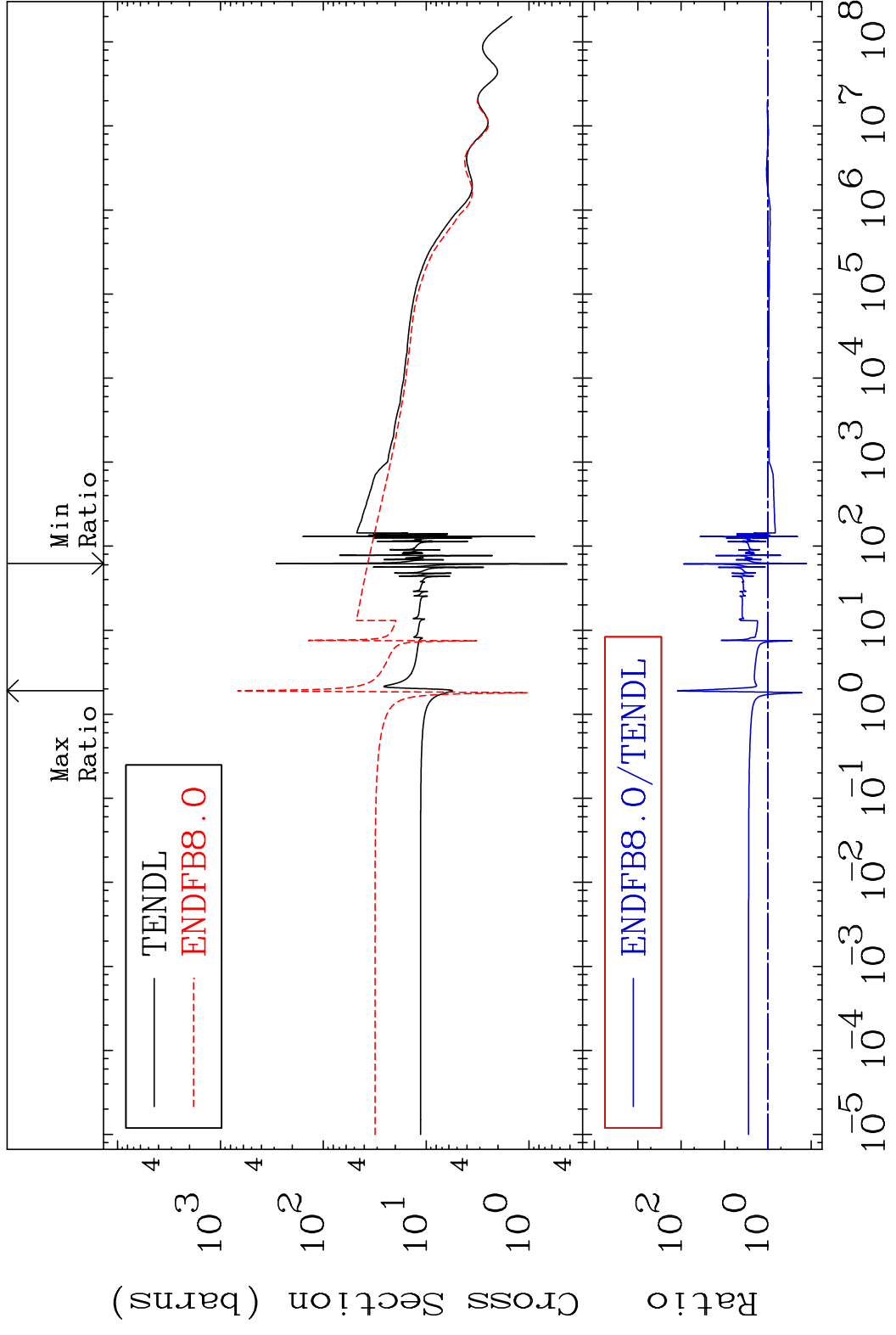


1 Incident Energy (eV) 90-Th-228

MAT 9028

Elastic Cross Section -87.15 To 9999. %

90-Th-228



2

Incident Energy (eV)

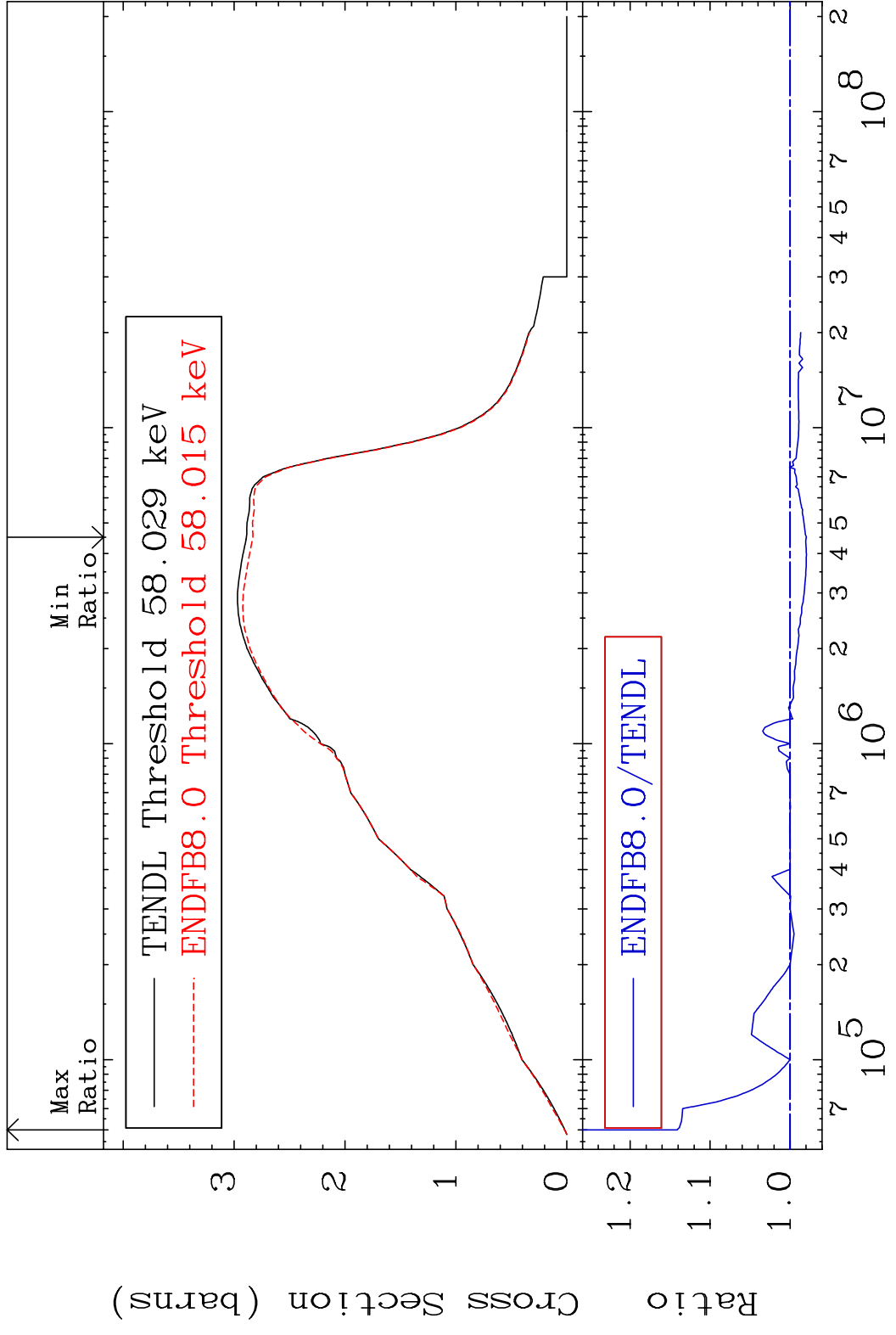
90-Th-228

MAT 9028

Inelastic

90-Th-228

Cross Section -2.044 To 14.12 %



3

Incident Energy (eV)

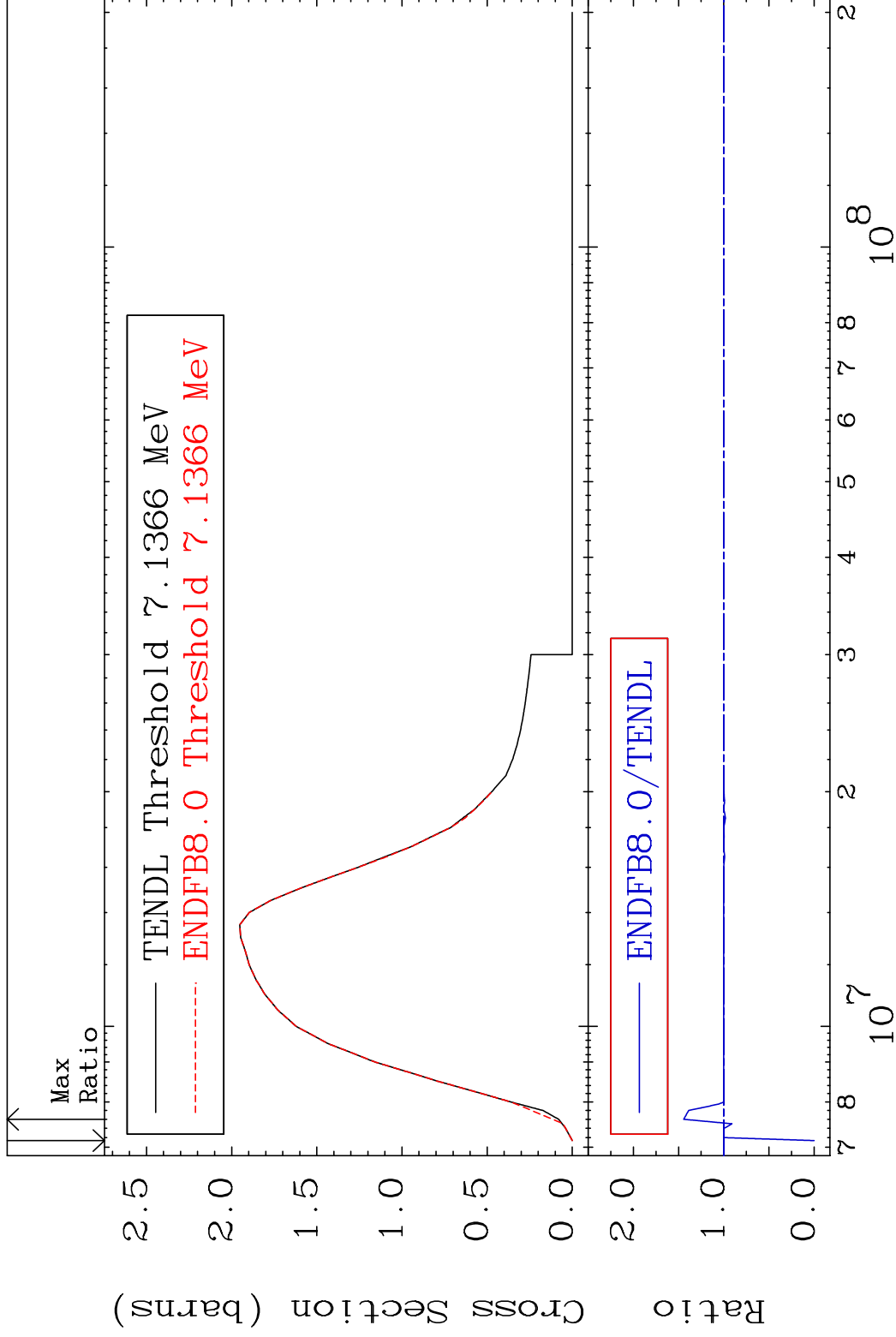
90-Th-228

MAT 9028

(n,2n)

90-Th-228

Cross Section -100.0 To 44.38 %



4

Incident Energy (eV)

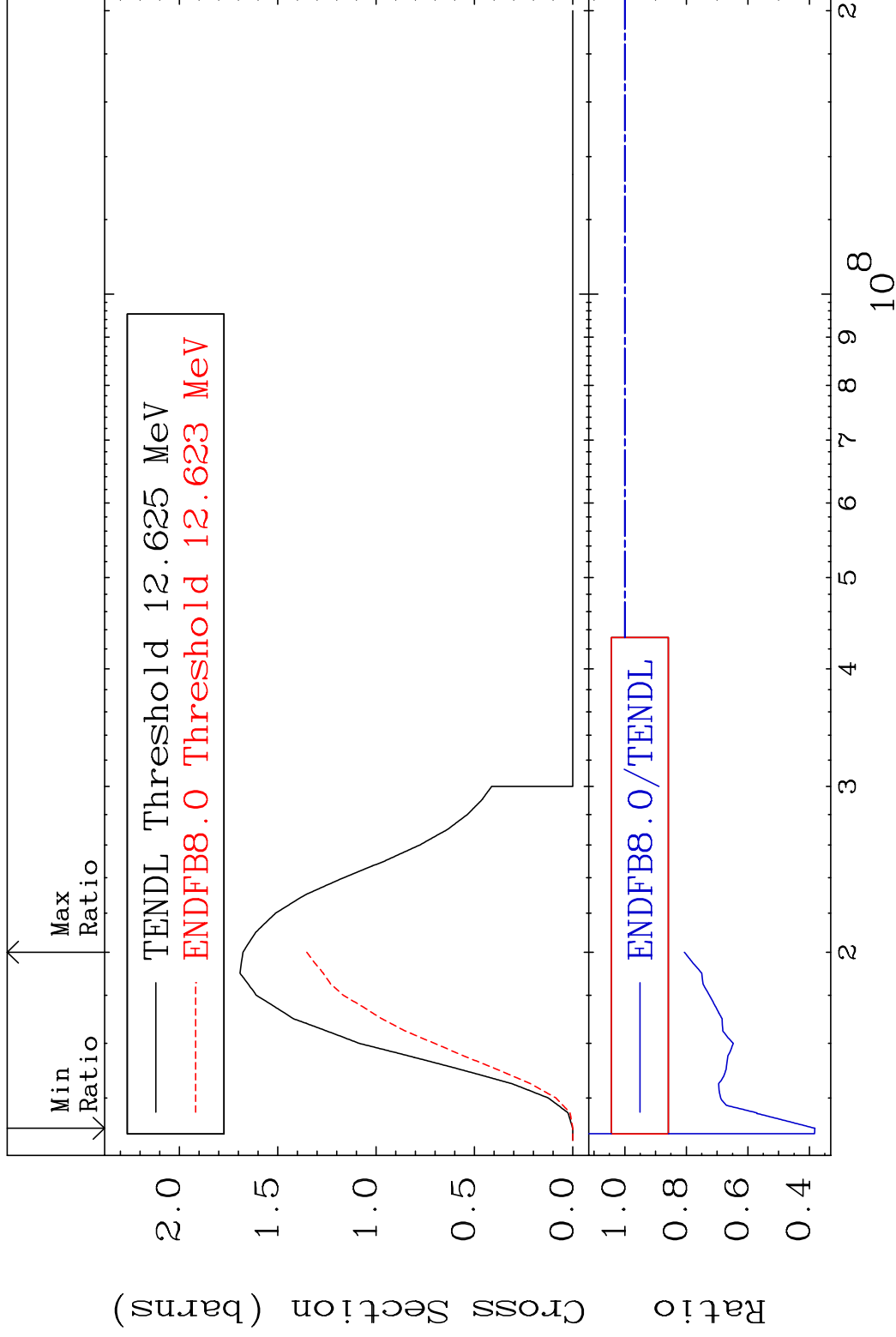
90-Th-228

MAT 9028

(n,3n)

90-Th-228

Cross Section -61.77 To -19.34%



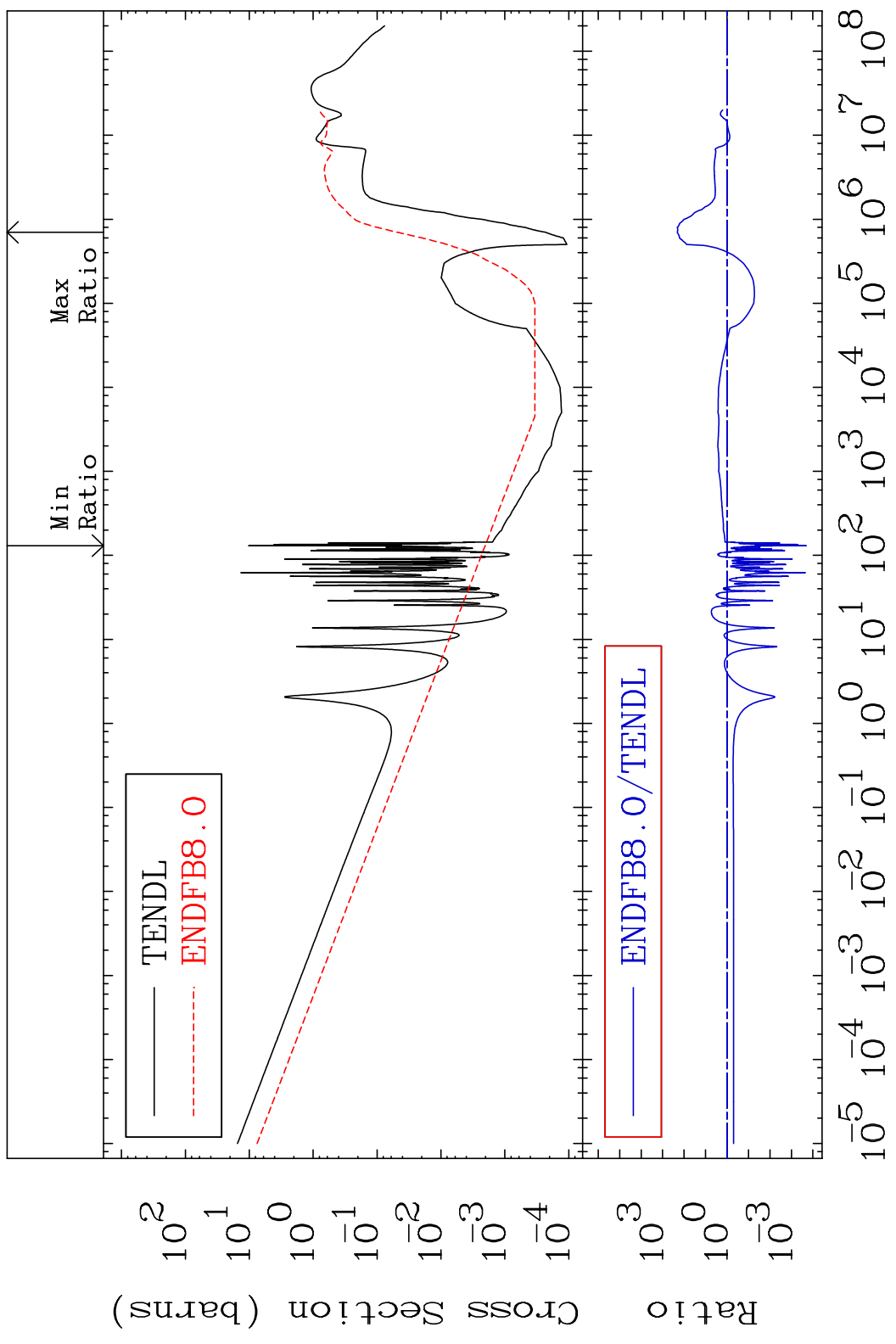
5

Incident Energy (eV)

90-Th-228

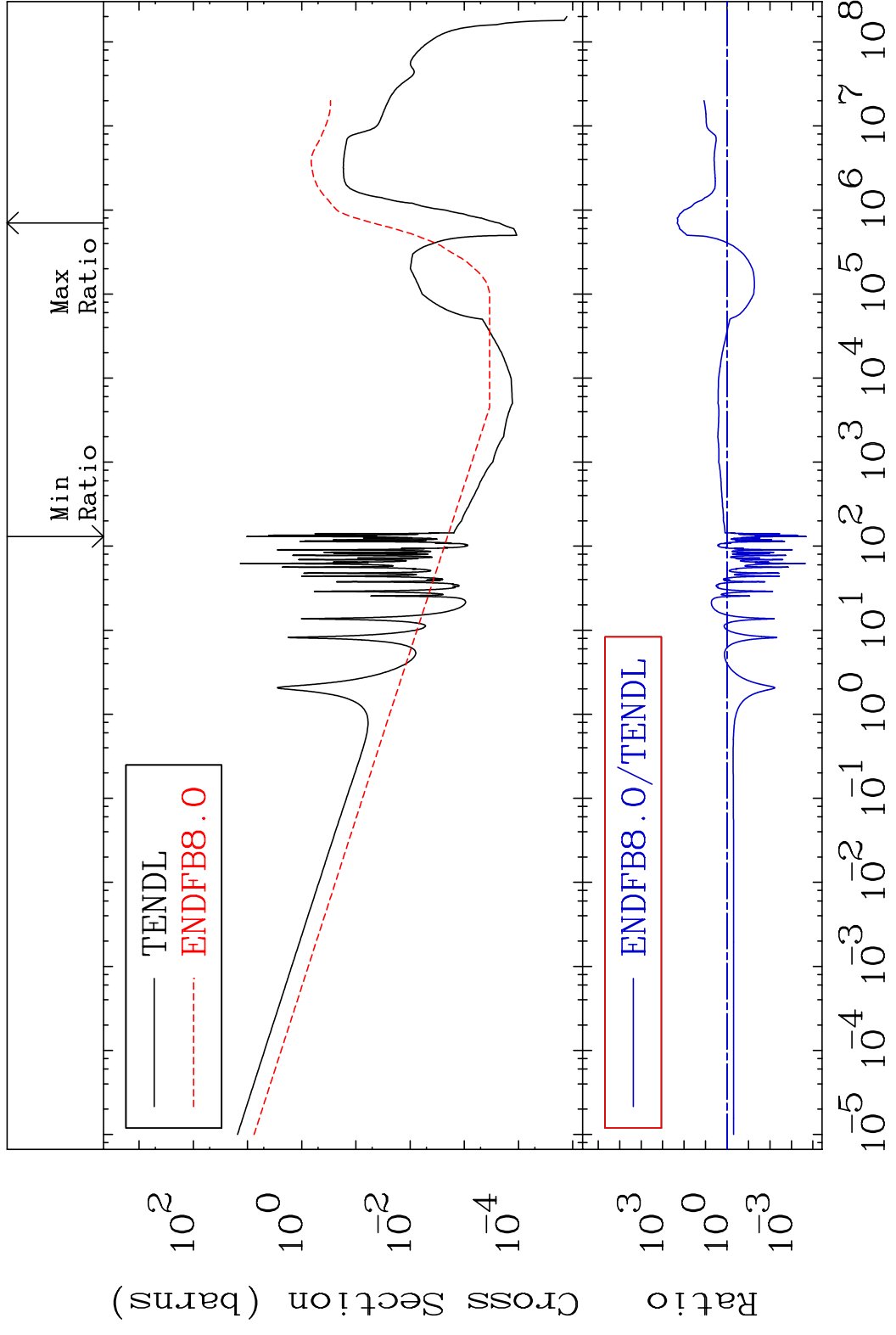
MAT 9028

Fission Cross Section 90-Th-228  
-99.98 To 9999. %



MAT 9028

(n,f) First Chance 90-Th-228  
Cross Section -99.98 To 9999. %

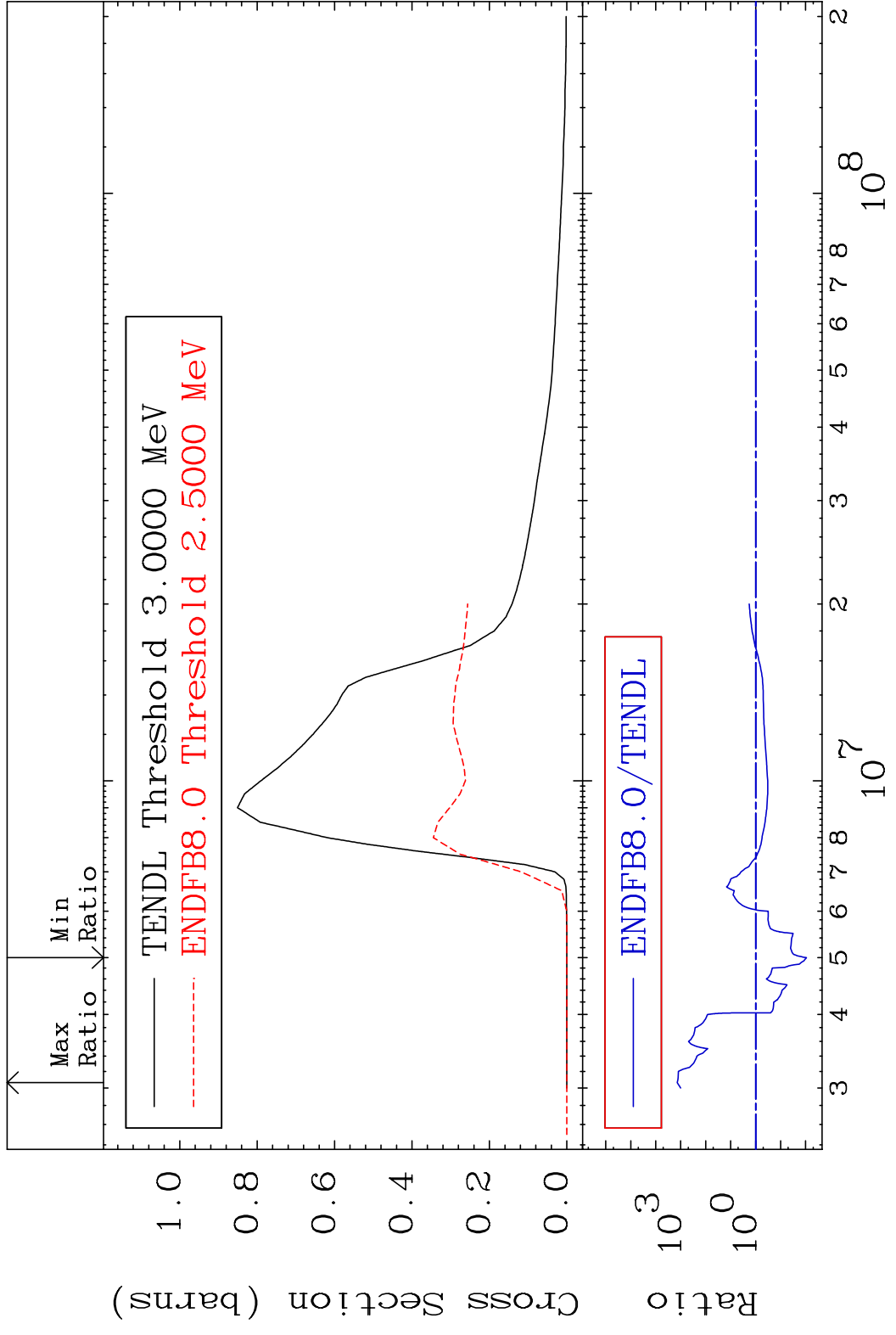


7 Incident Energy (eV) 90-Th-228



MAT 9028

(n,nf) Second Chance 90-Th-228  
Cross Section -99.07 To 9999. %

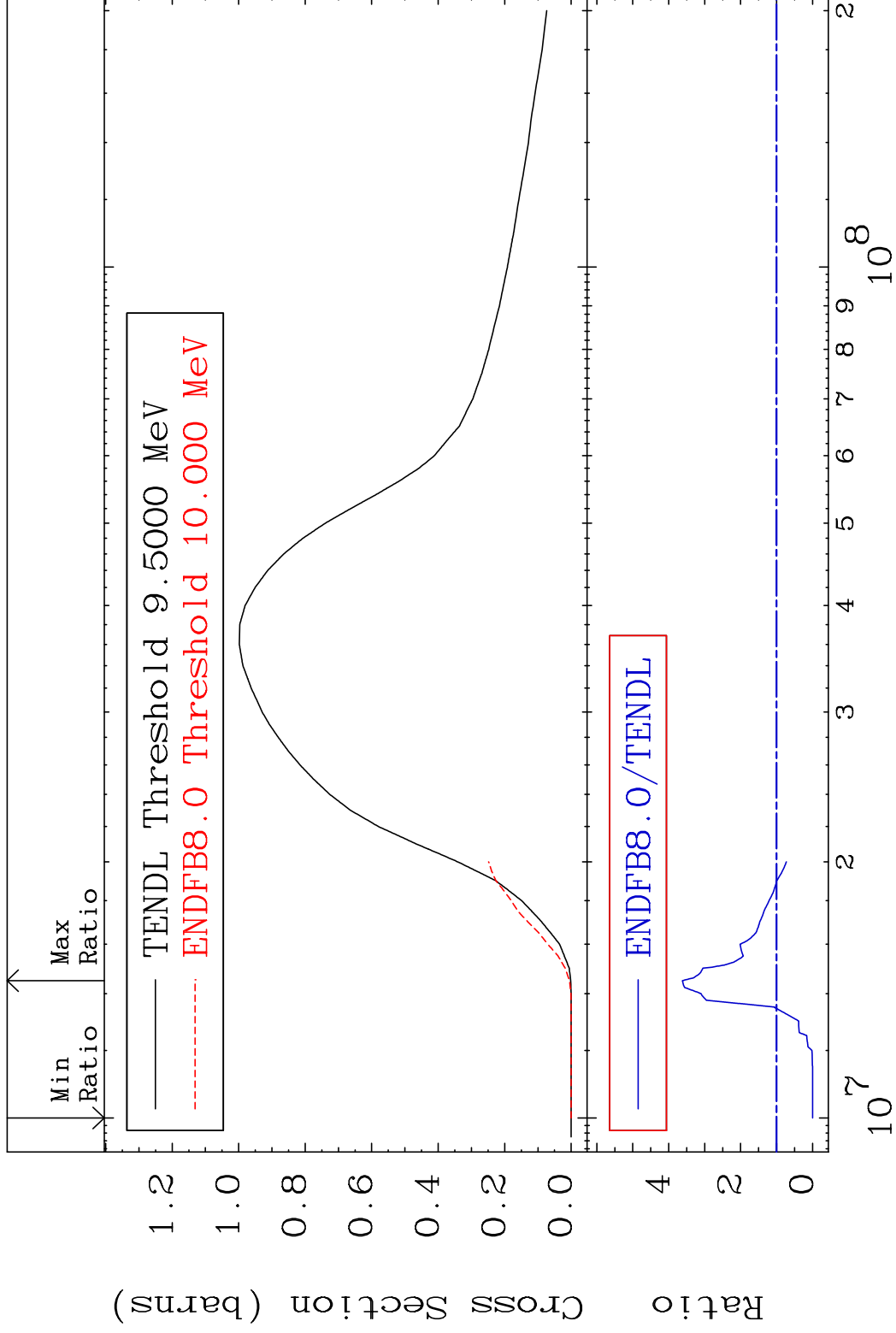


MAT 9028

(n,2nf) Third Chance

90-Th-228

Cross Section -100.0 To 262.1 %



9

Incident Energy (eV)

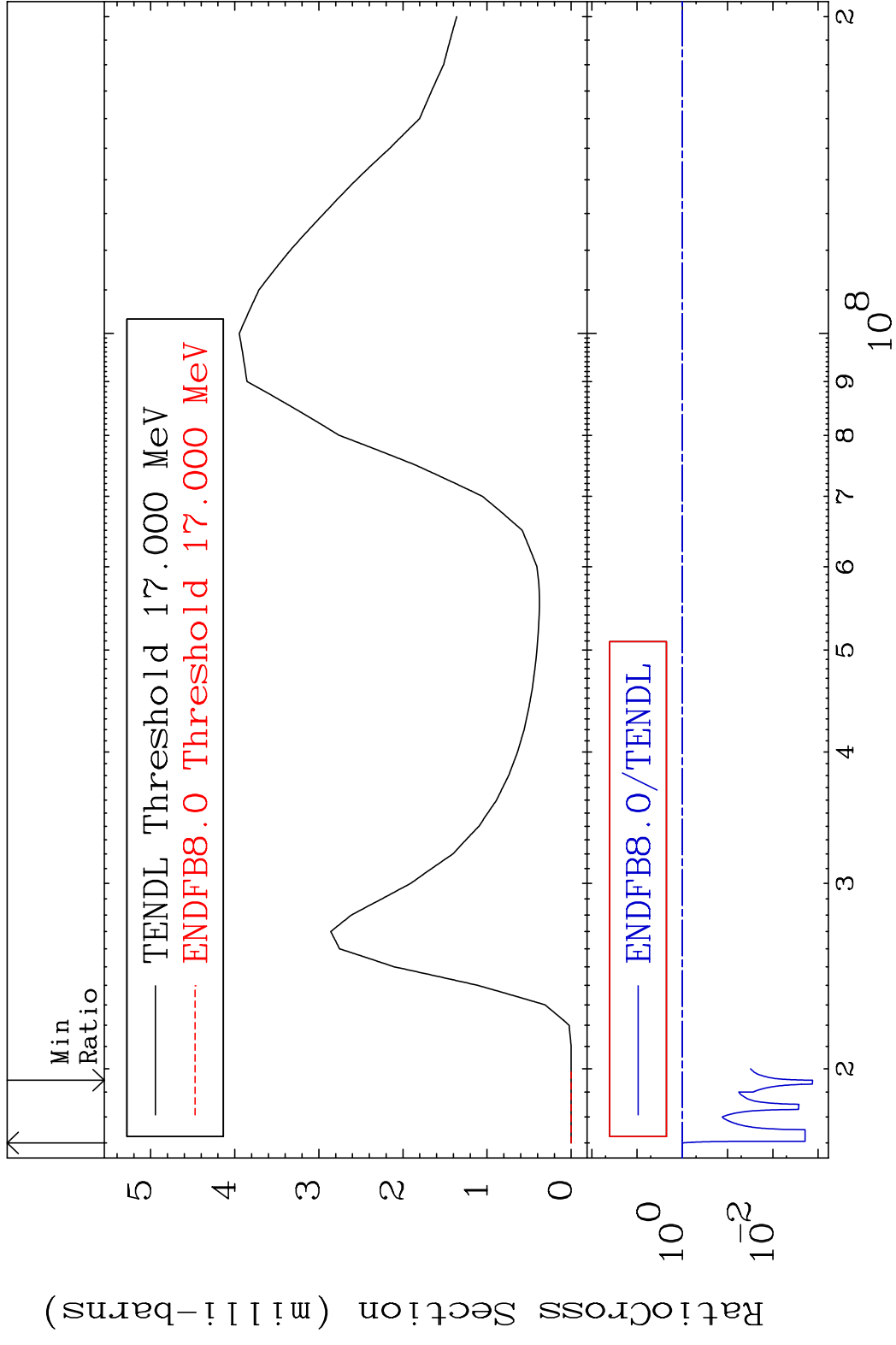
90-Th-228

MAT 9028

(n,3nf) Fourth Chance

90-Th-228

Cross Section -99.87 To 0.000 %

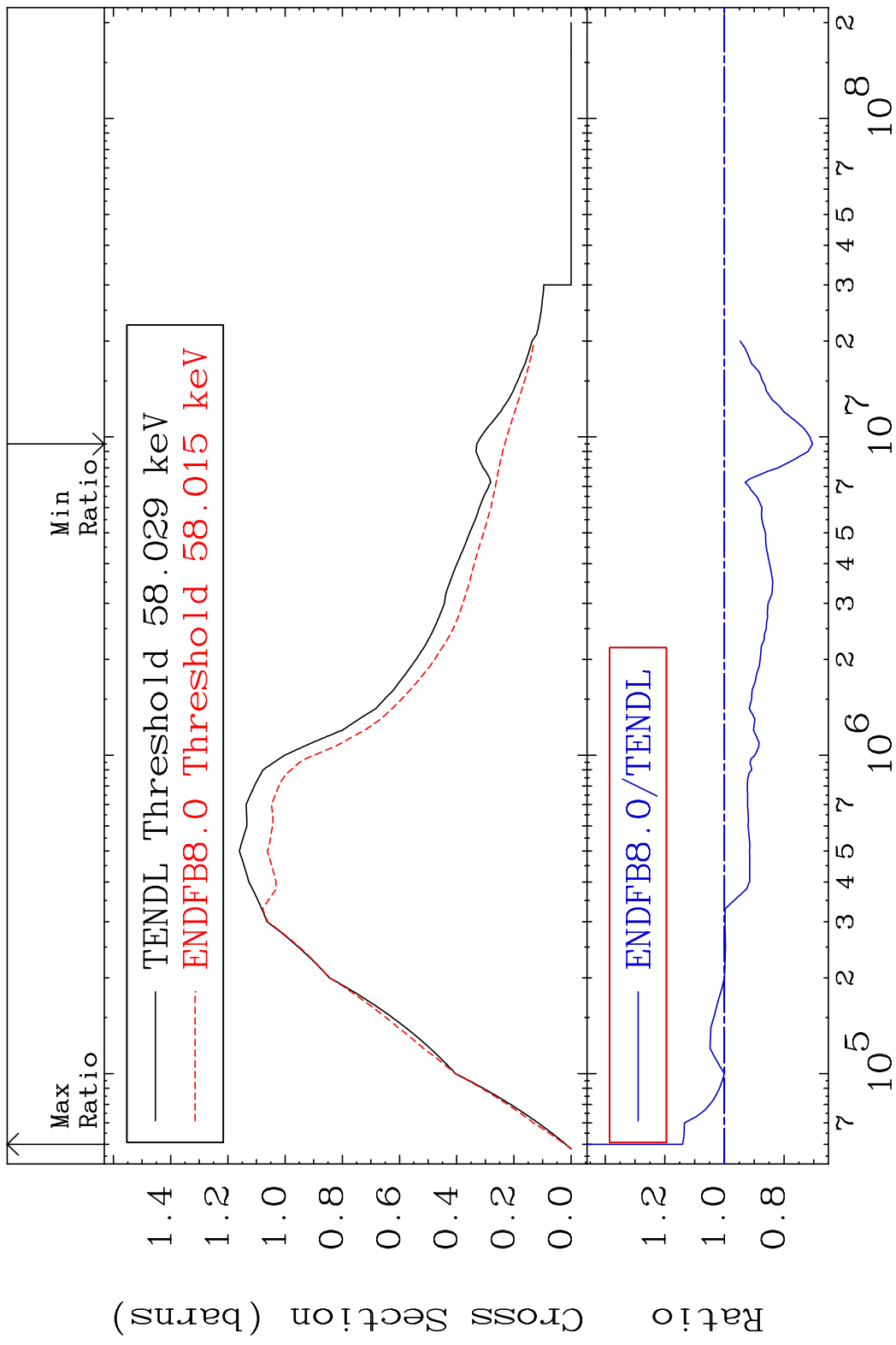


10

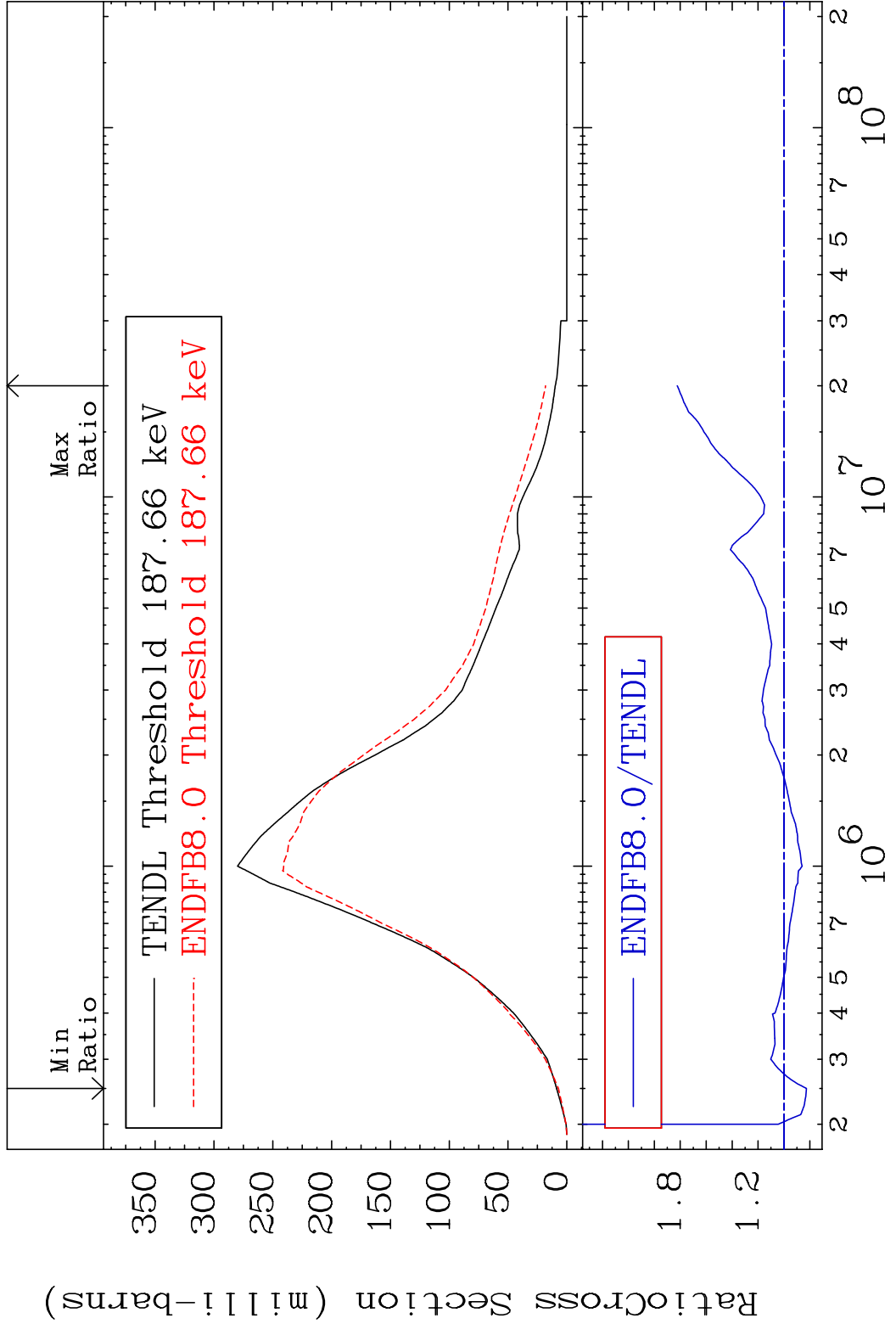
Incident Energy (eV)

90-Th-228

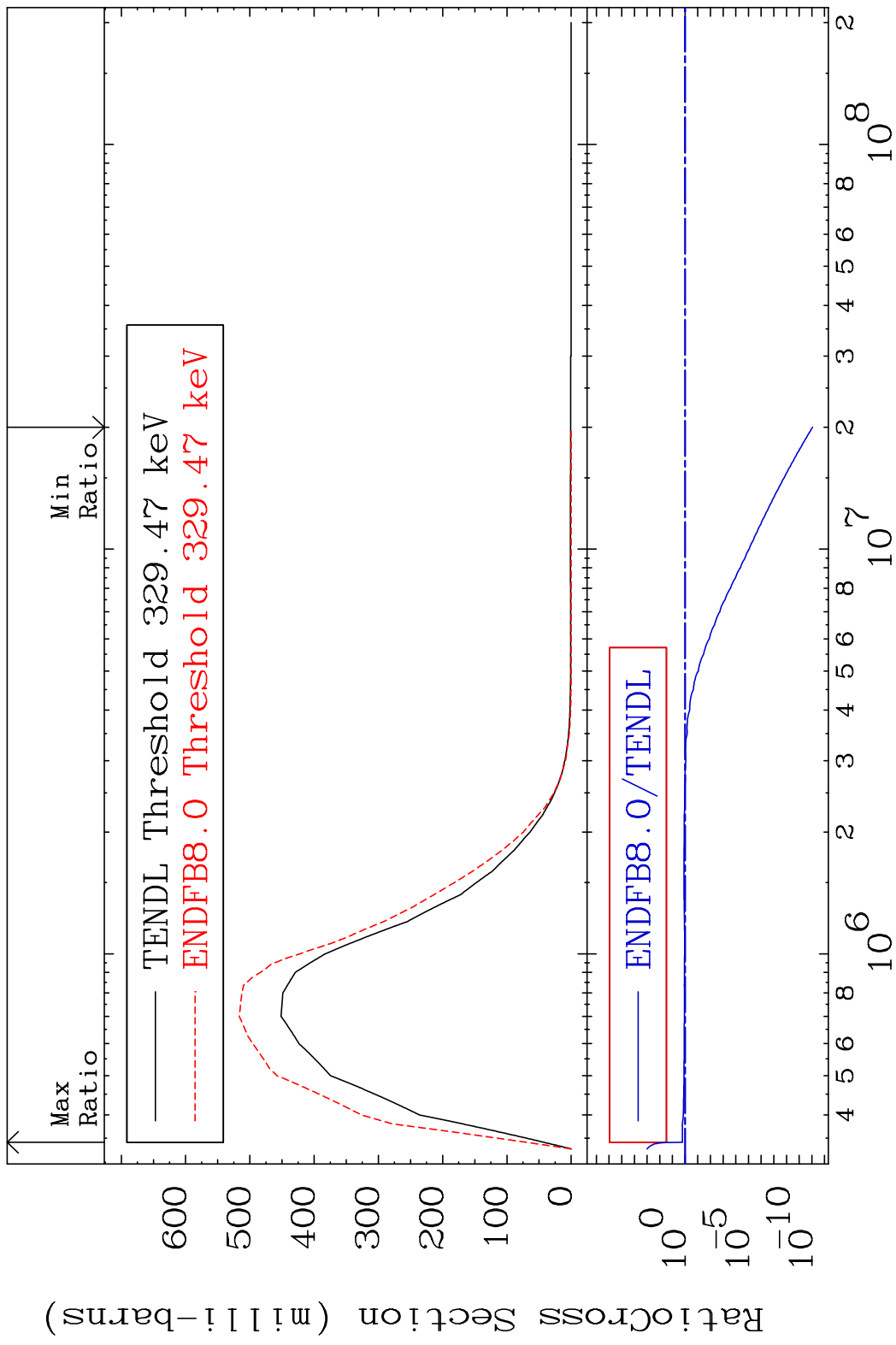
MAT 9028 MT= 51 (n, n') Level 90-Th-228  
 Cross Section -29.59 To 14.12 %



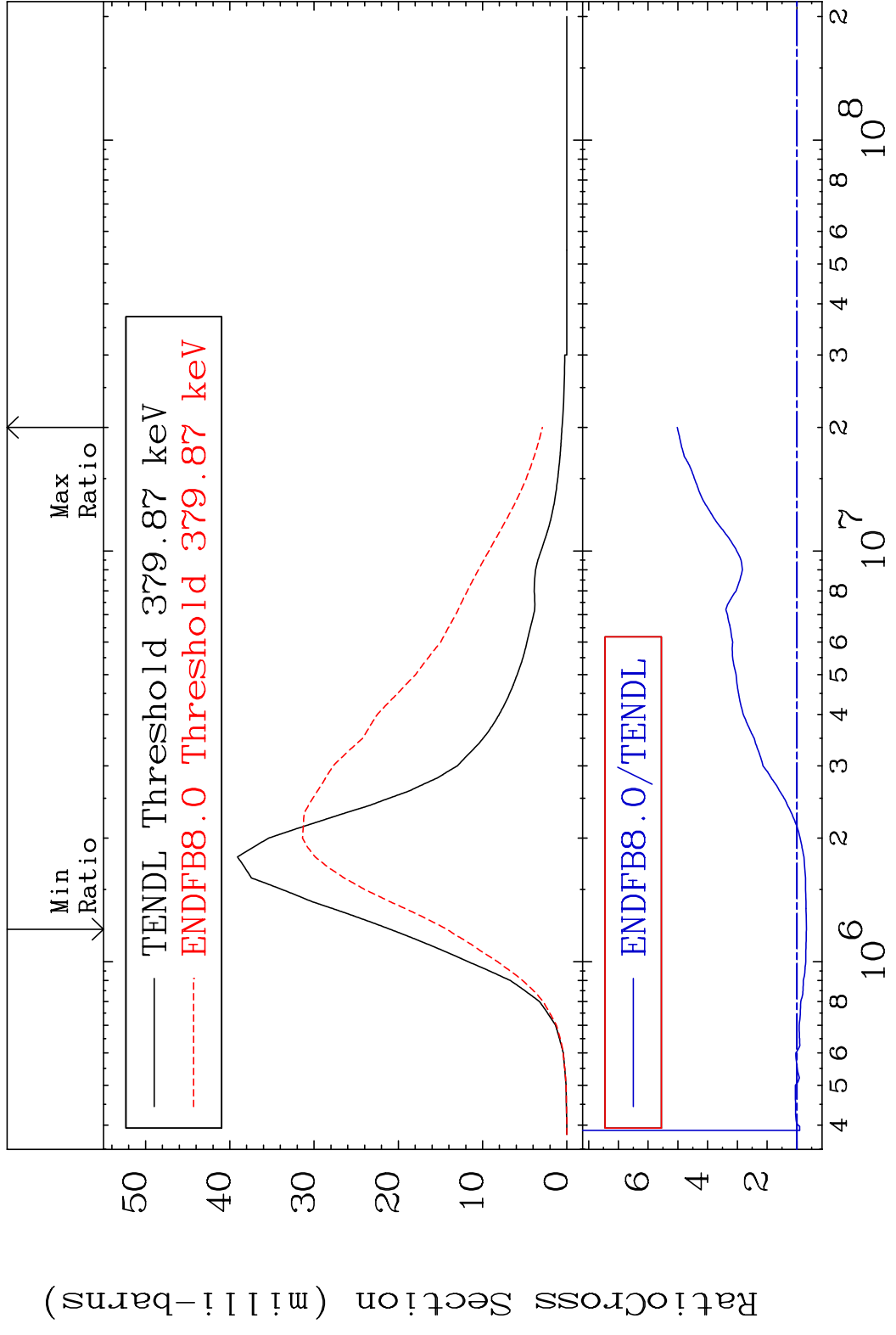
MAT 9028 MT= 52 (n, n') Level 90-Th-228  
 Cross Section -17.29 To 82.38 %



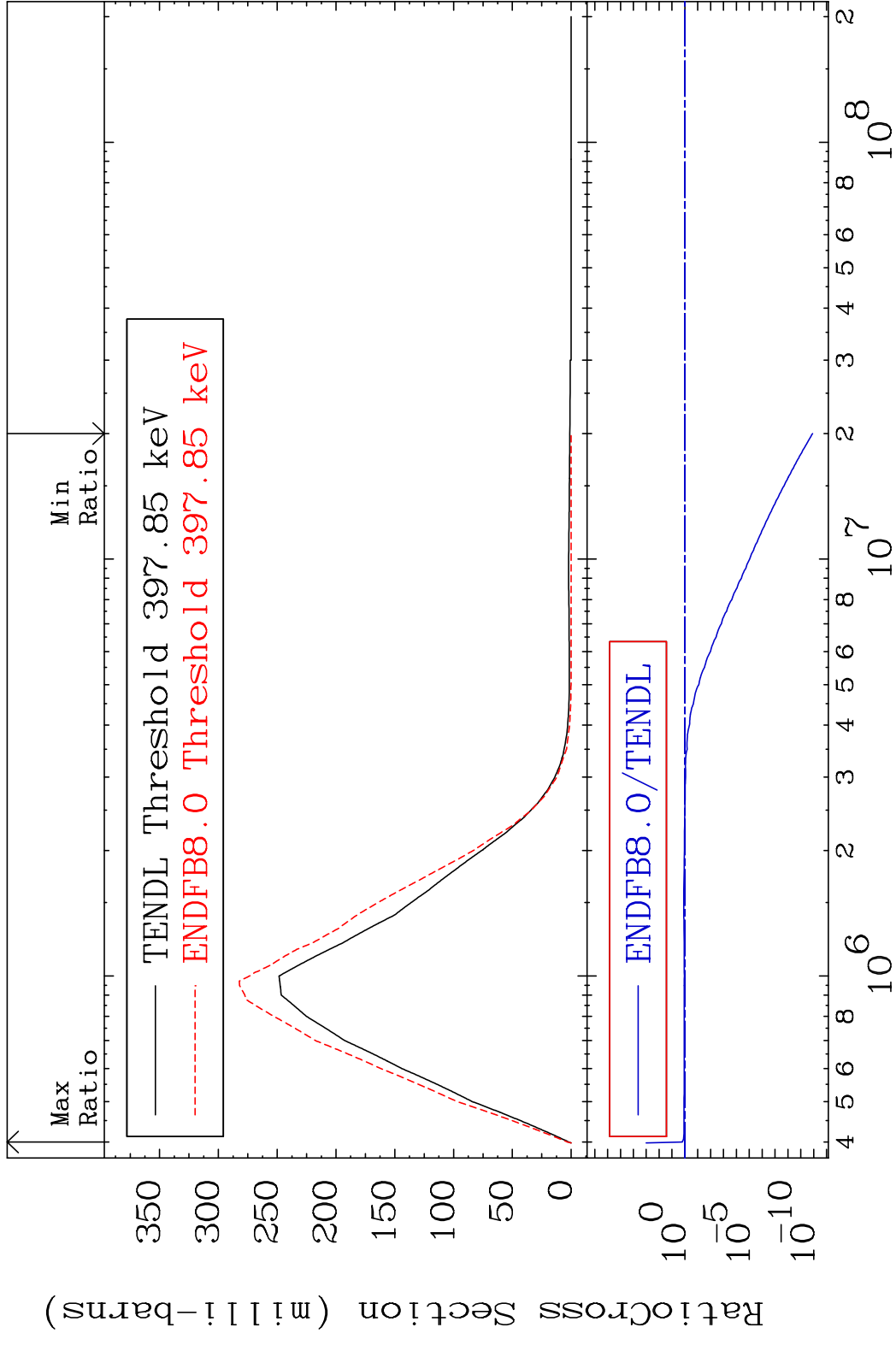
MAT 9028 MT= 53 (n, n') Level 90-Th-228  
 Cross Section -100.0 To 64.82 %



MAT 9028 MT= 54 (n, n') Level 90-Th-228  
 Cross Section -32.10 To 402.3 %

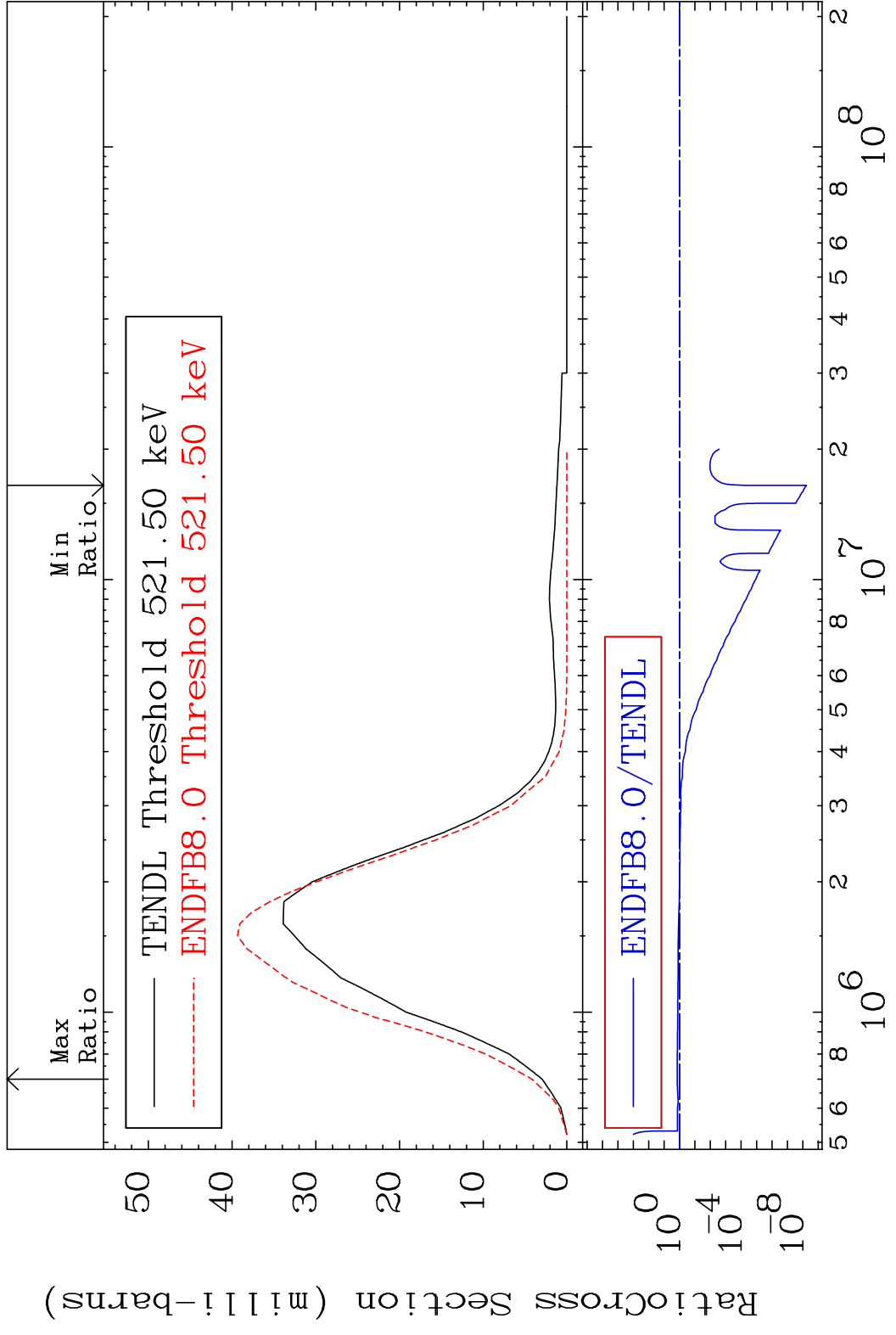


MAT 9028 MT= 55 (n,n') Level 90-Th-228  
 Cross Section -100.0 To 56.82 %

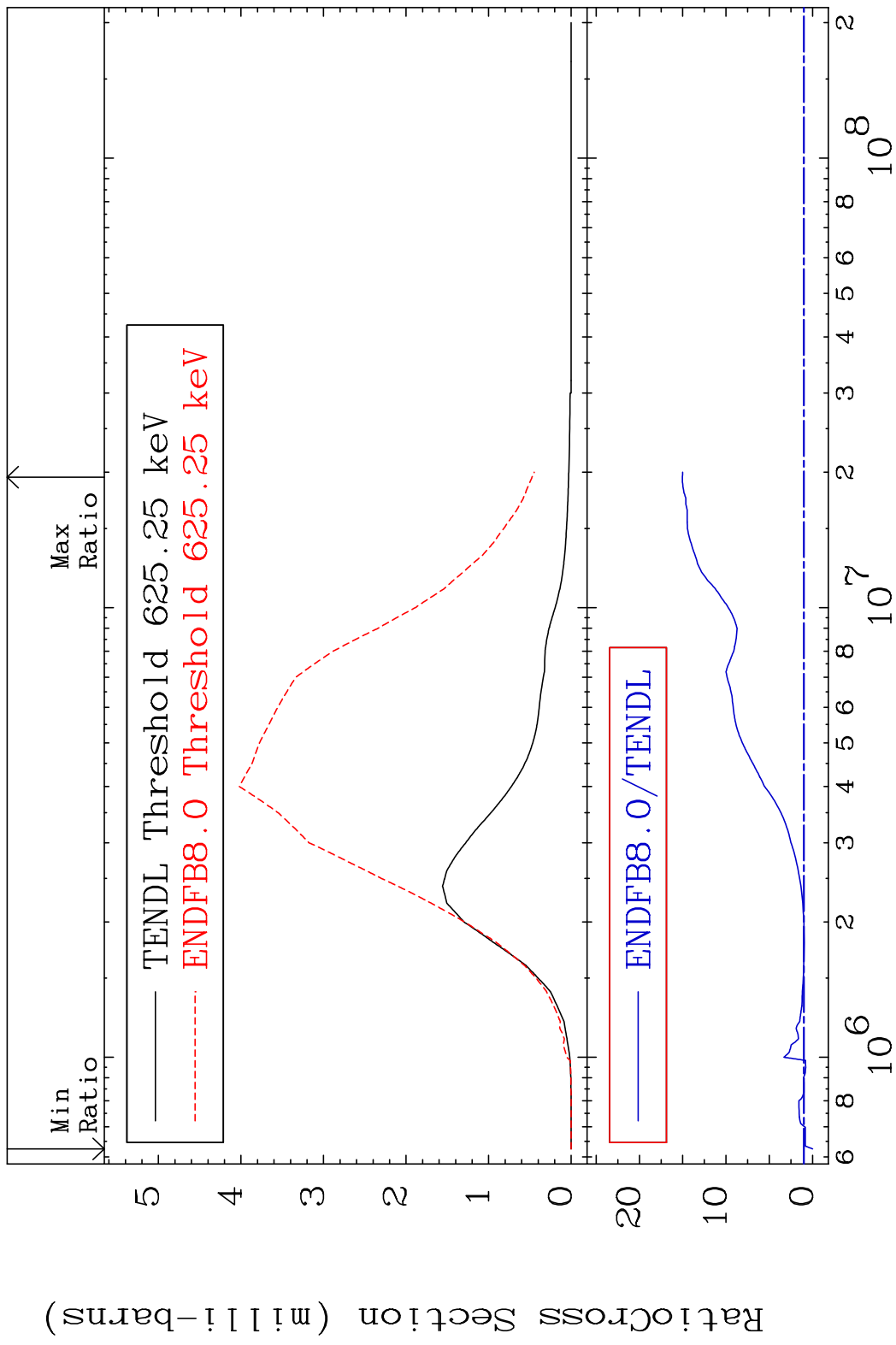




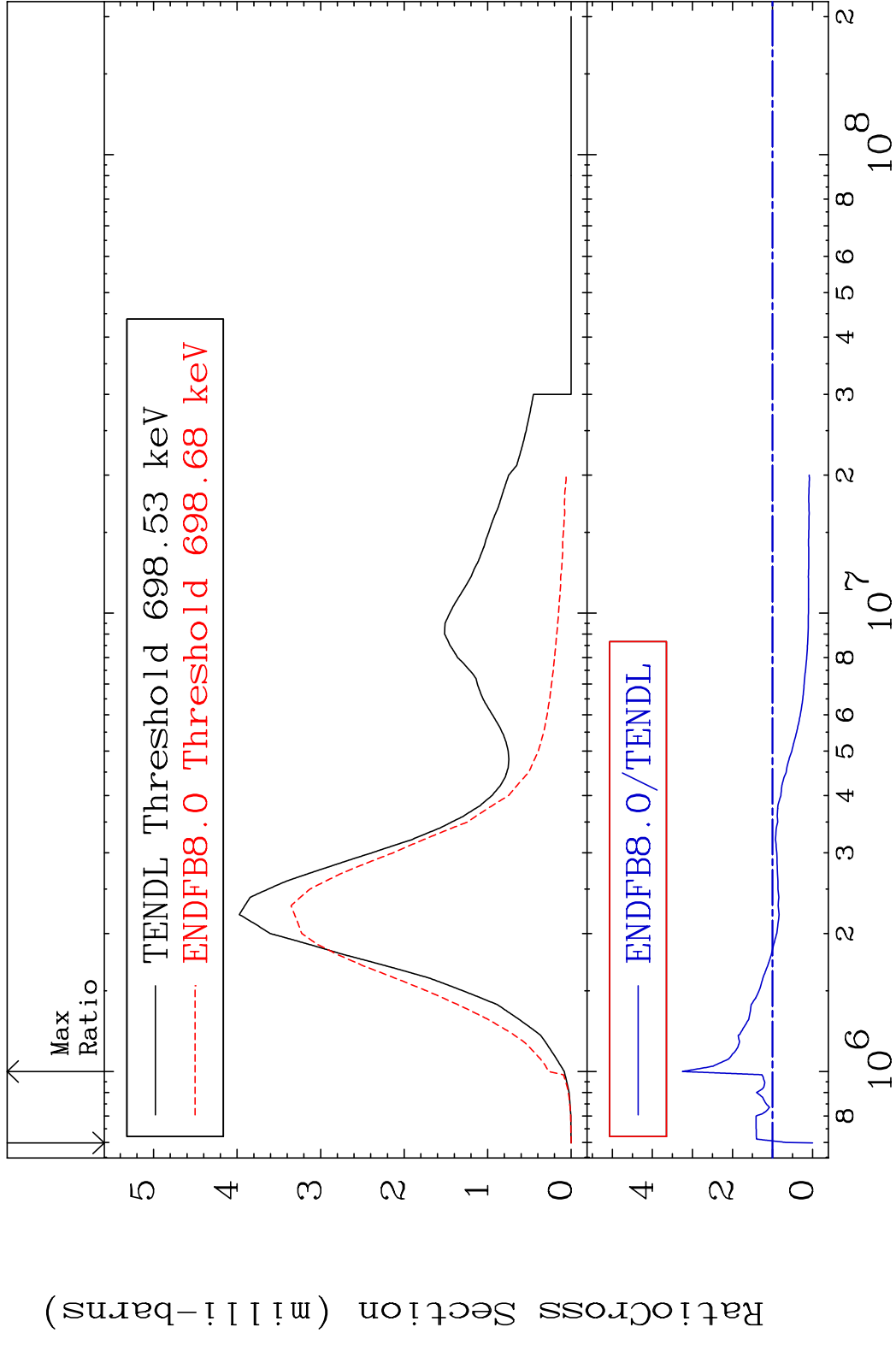
MAT 9028 MT= 56 (n, n') Level 90-Th-228  
 Cross Section -100.0 To 41.76 %



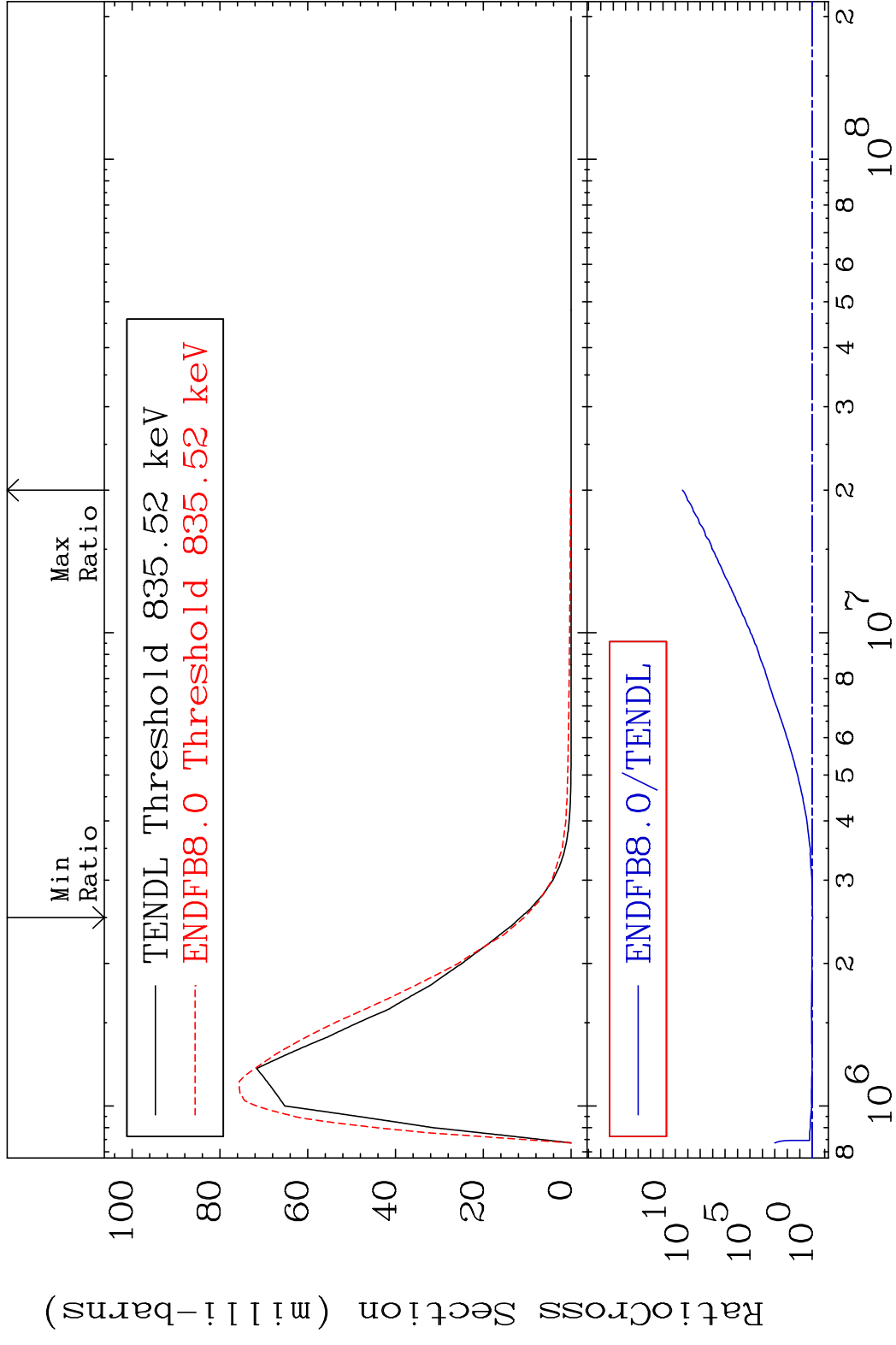
MAT 9028 MT= 57 (n, n') Level 90-Th-228  
 Cross Section -100.0 To 1404. %



MAT 9028 MT= 58 (n, n') Level 90-Th-228  
 Cross Section -100.0 To 225.2 %

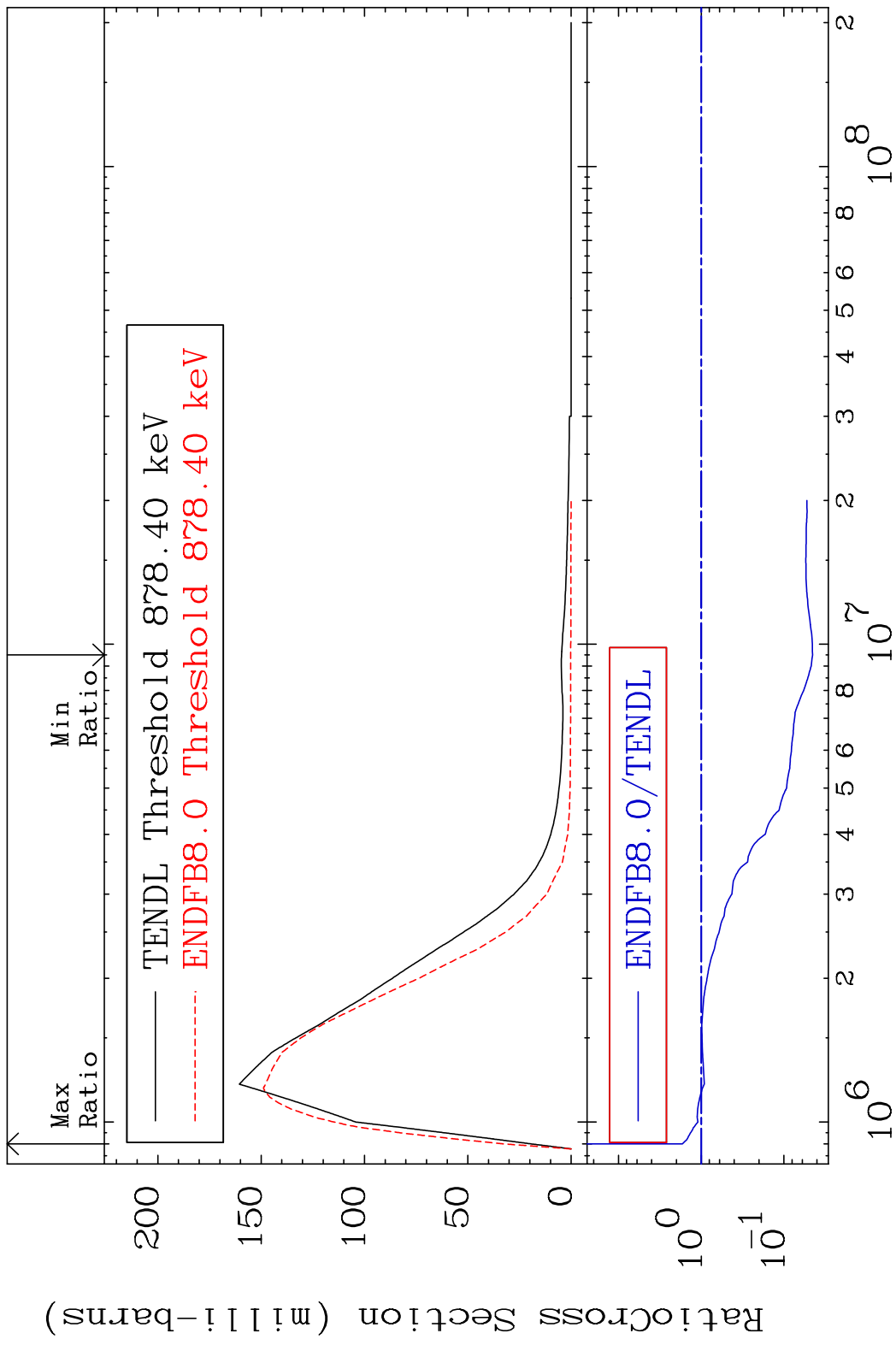


MAT 9028 MT= 59 (n, n') Level 90-Th-228  
 Cross Section -7.144 To 9999. %



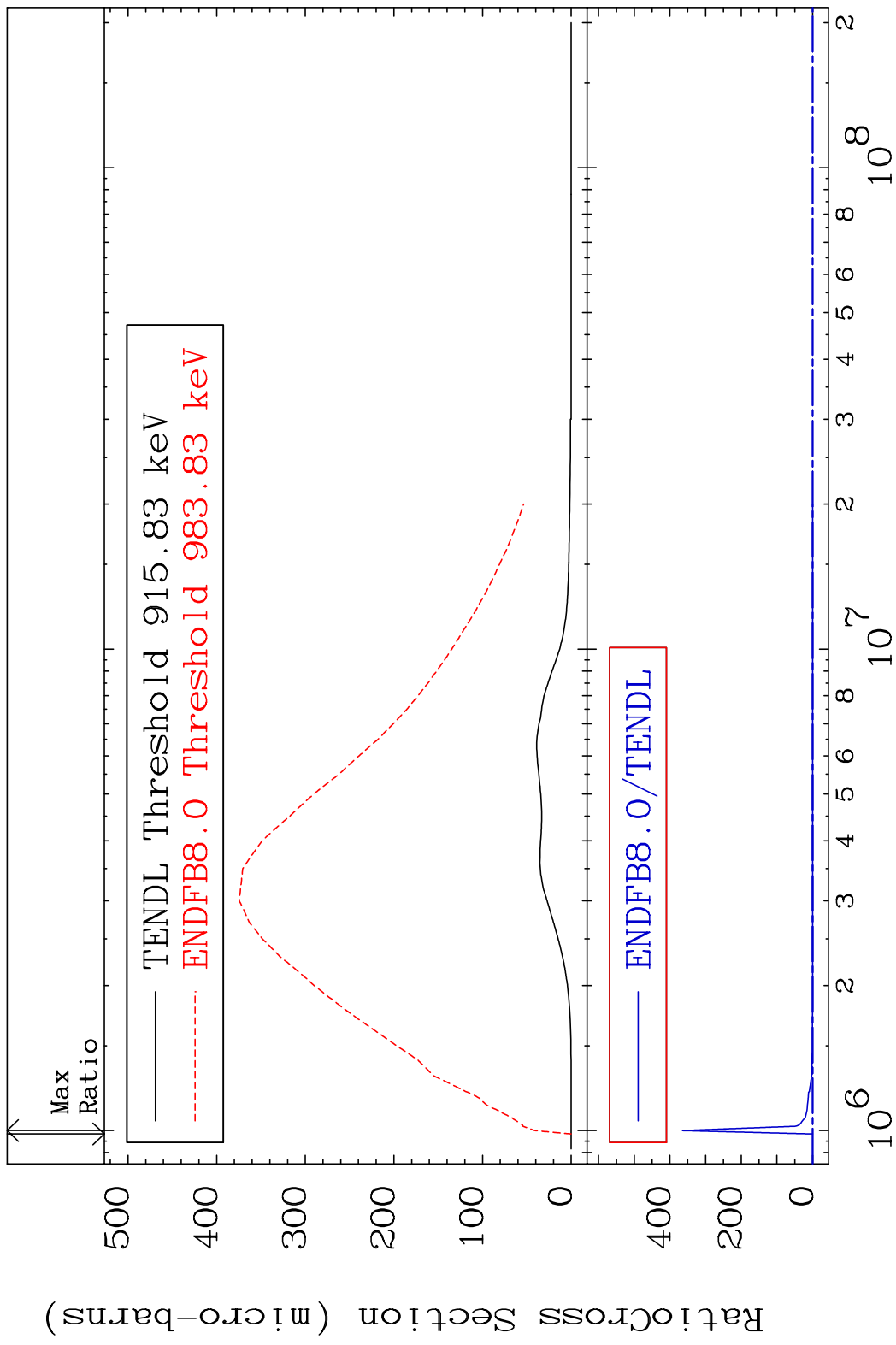
19 Incident Energy (eV) 90-Th-228

MAT 9028 MT= 60 (n, n') Level 90-Th-228  
 Cross Section -95.49 To 69.43 %



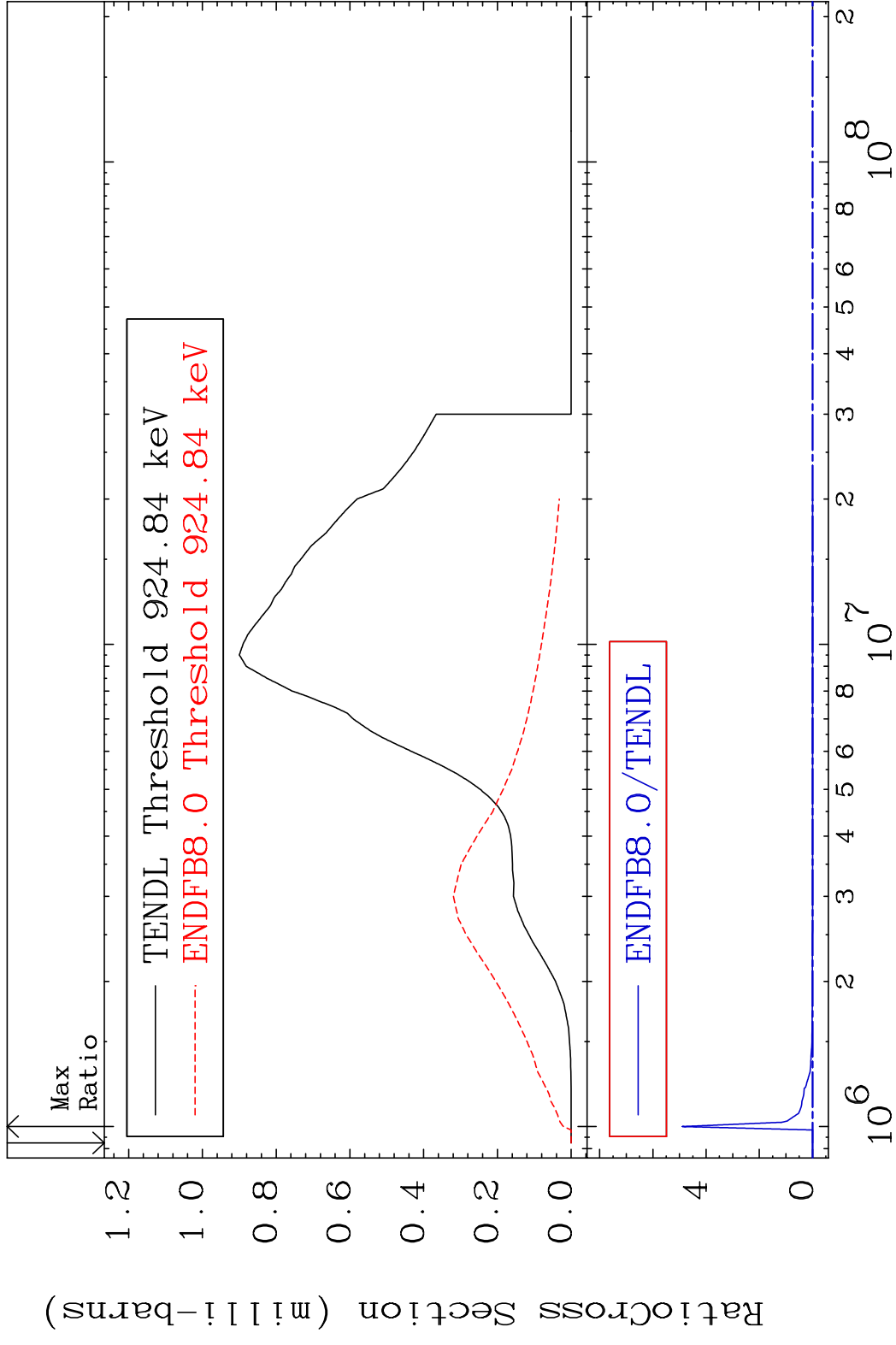
20 Incident Energy (eV) 90-Th-228

MAT 9028 MT= 61 (n, n') Level 90-Th-228  
 Cross Section -100.0 To 9999. %

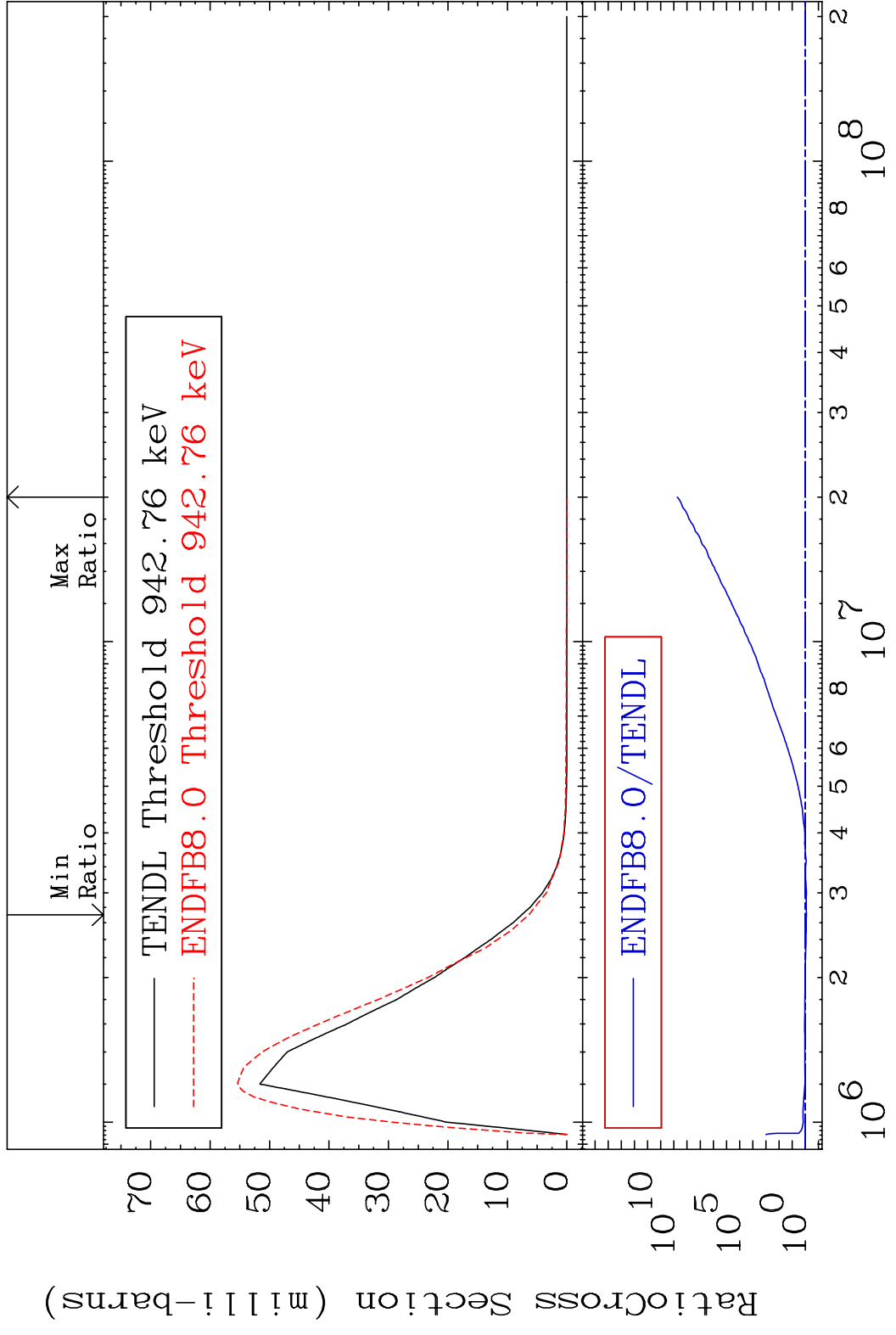


21 Incident Energy (eV) 90-Th-228

MAT 9028 MT= 62 (n,n') Level 90-Th-228  
 Cross Section -100.0 To 9999. %



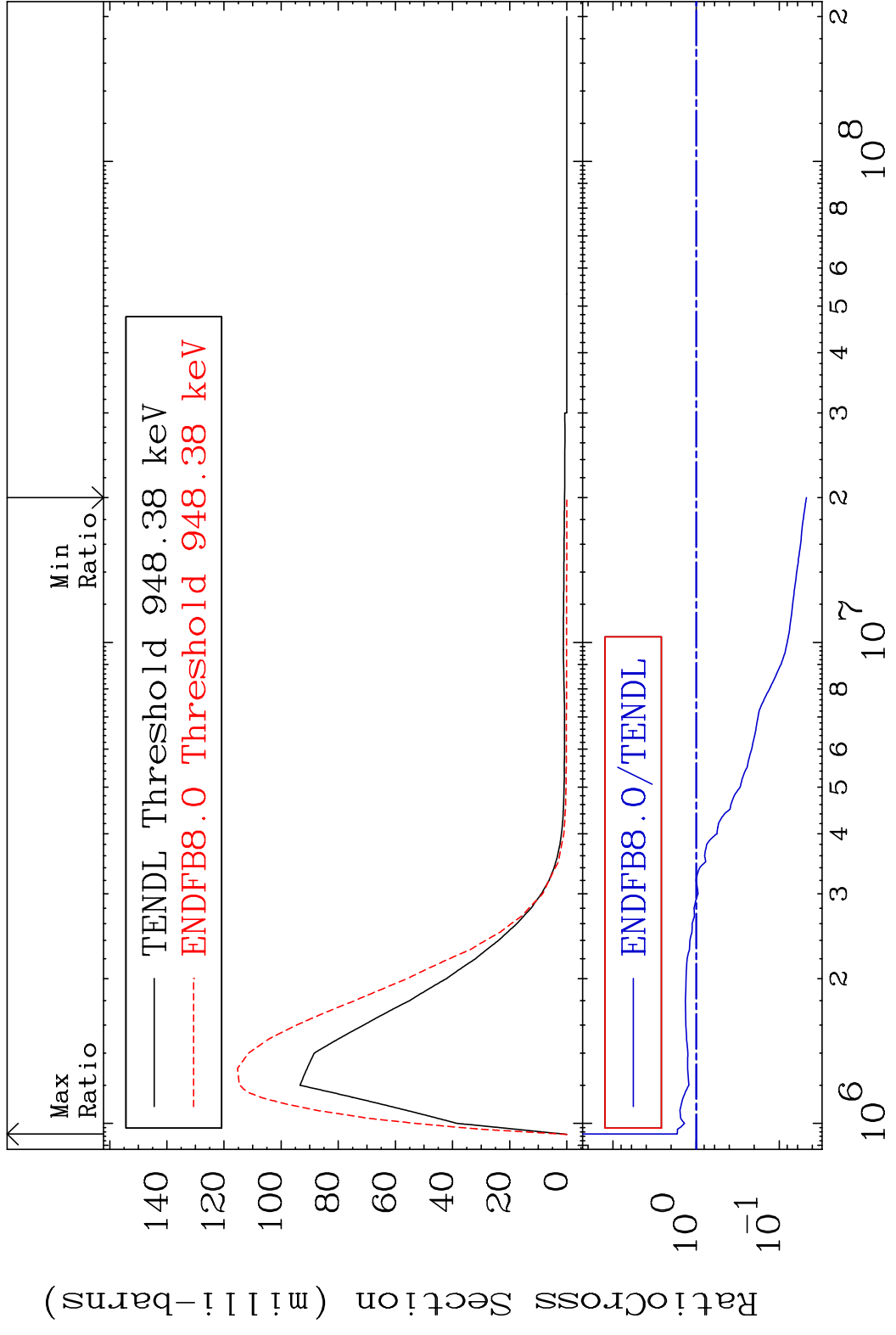
MAT 9028 MT= 63 (n, n') Level 90-Th-228  
 Cross Section -16.06 To 9999. %



23 Incident Energy (eV) 90-Th-228

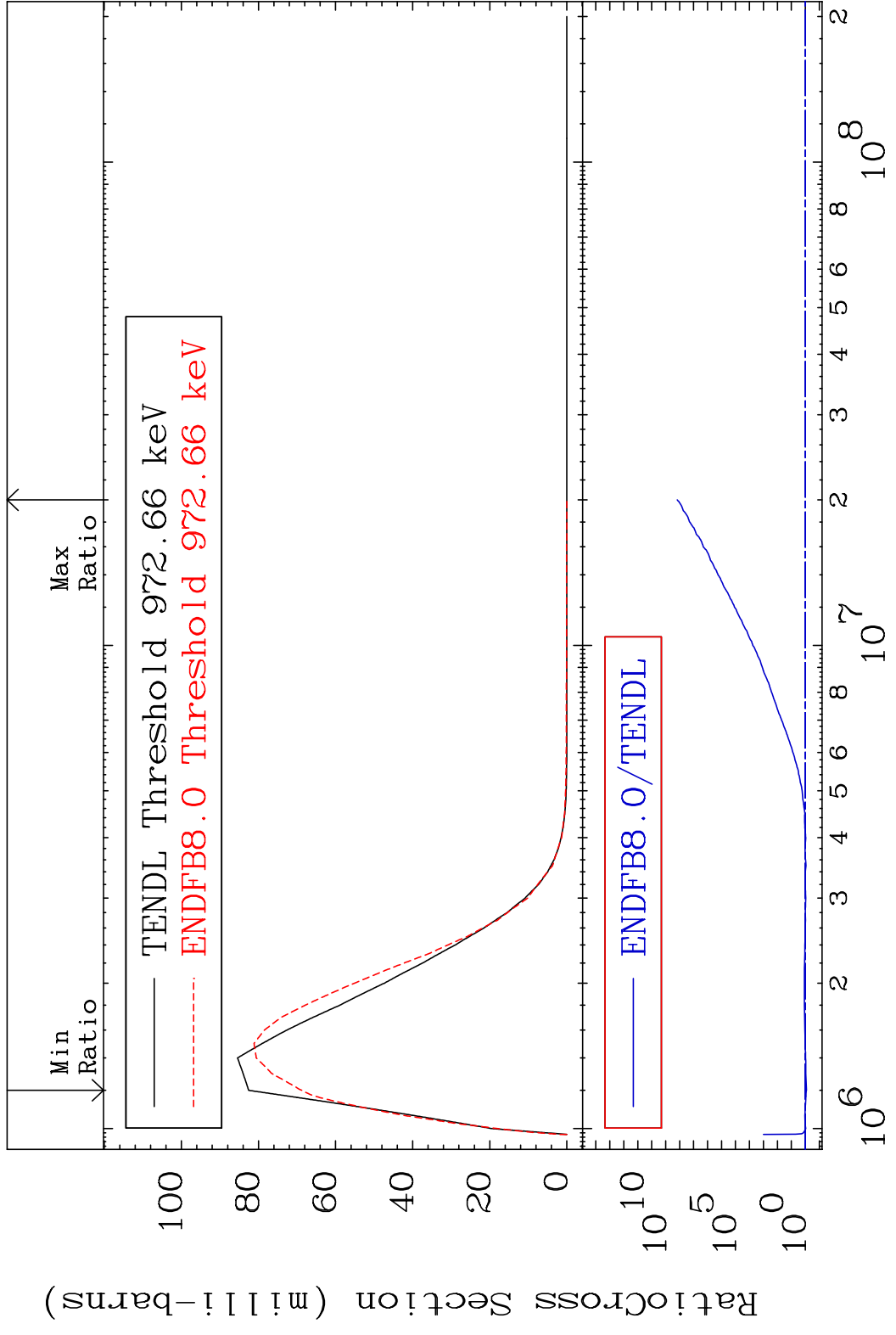


MAT 9028 MT= 64 (n, n') Level 90-Th-228  
 Cross Section -95.29 To 69.06 %



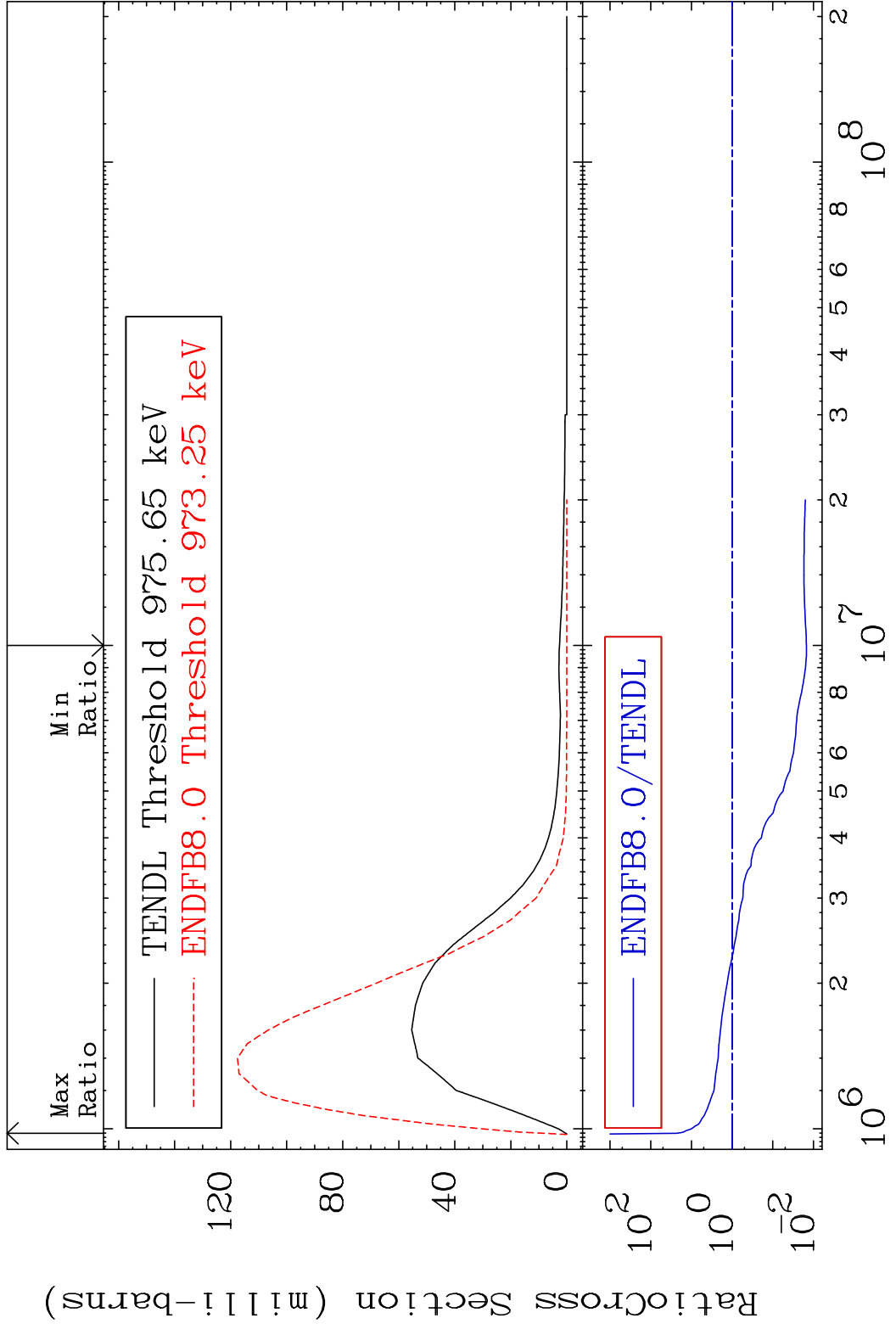
24 Incident Energy (eV) 90-Th-228

MAT 9028 MT= 65 (n, n') Level 90-Th-228  
 Cross Section -16.67 To 9999. %



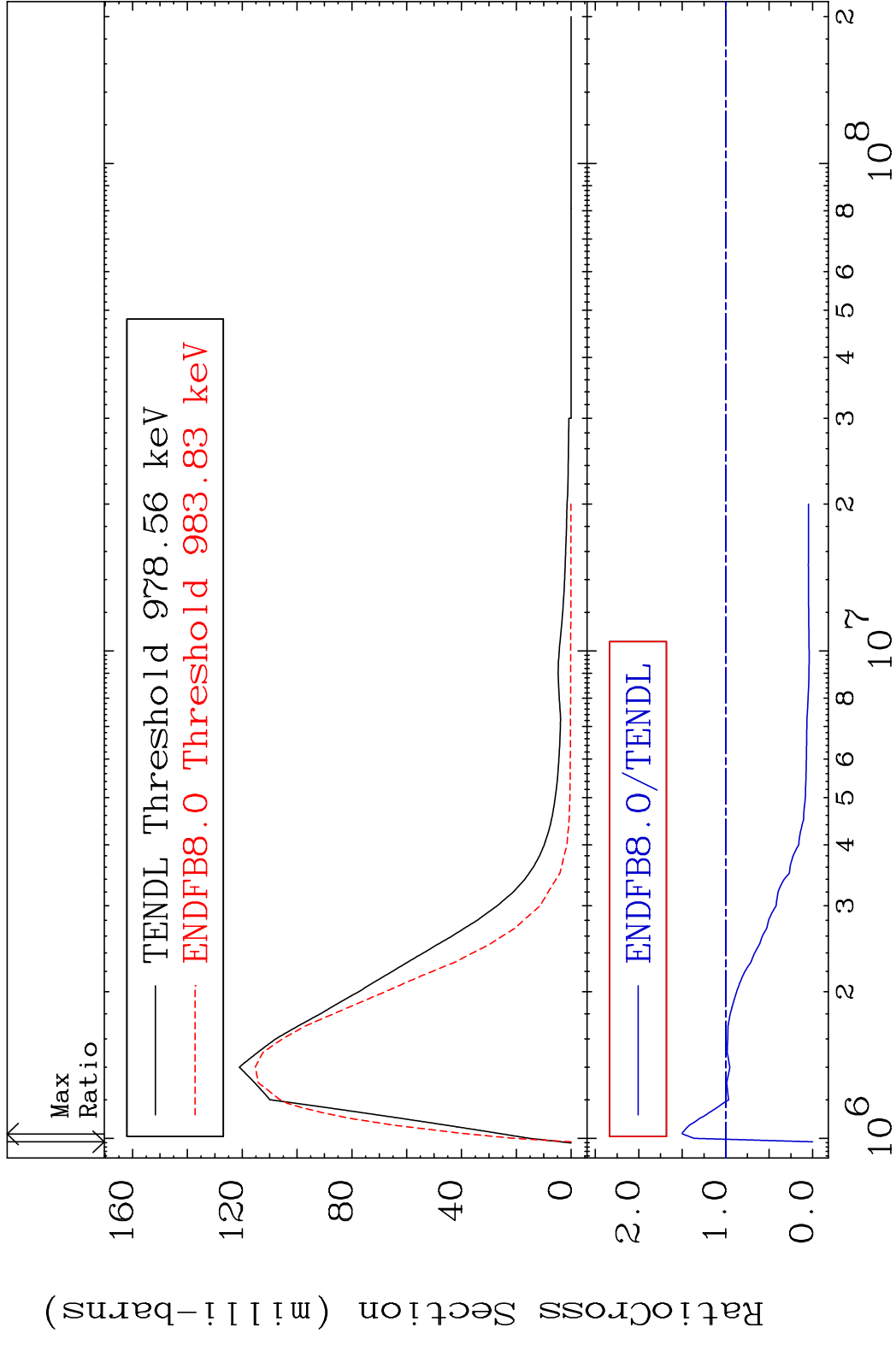
25 90-Th-228

MAT 9028 MT= 66 (n,n') Level 90-Th-228  
 Cross Section -98.50 To 2134. %



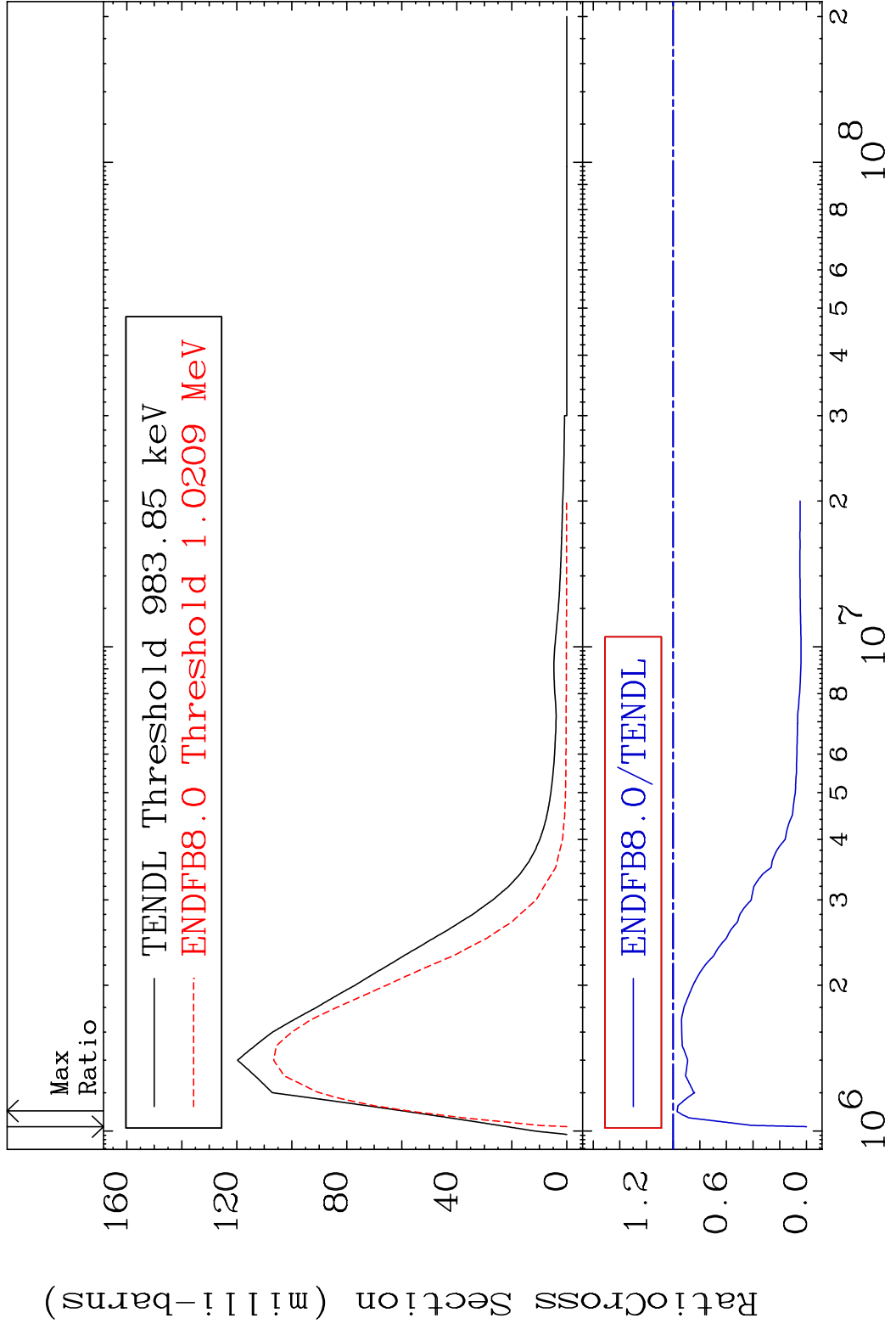
26 Incident Energy (eV) 90-Th-228

MAT 9028 MT= 67 (n, n') Level 90-Th-228  
 Cross Section -100.0 To 49.89 %



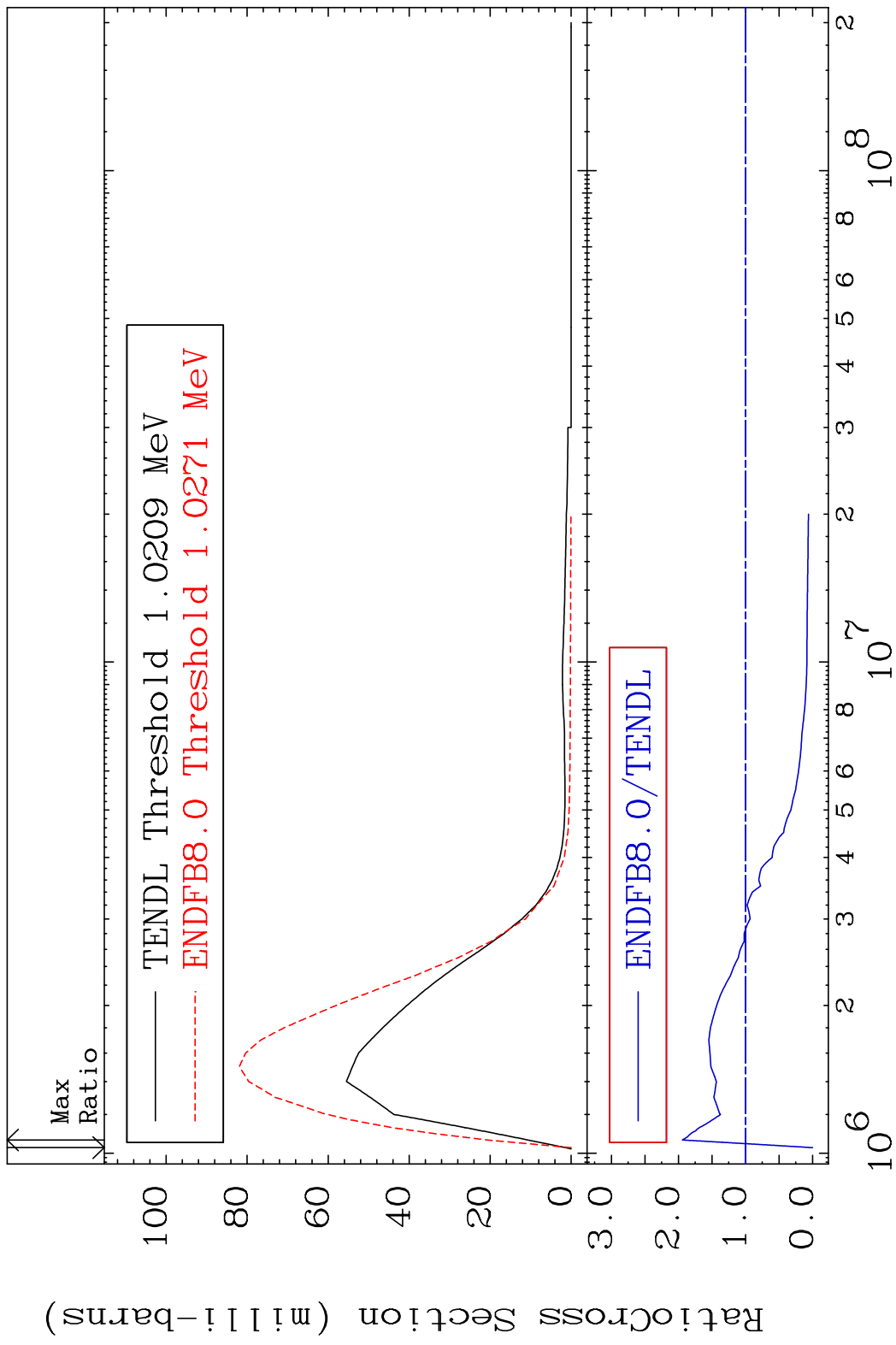
27 Incident Energy (eV) 90-Th-228

MAT 9028 MT= 68 (n, n') Level 90-Th-228  
 Cross Section -100.0 To -3.052%



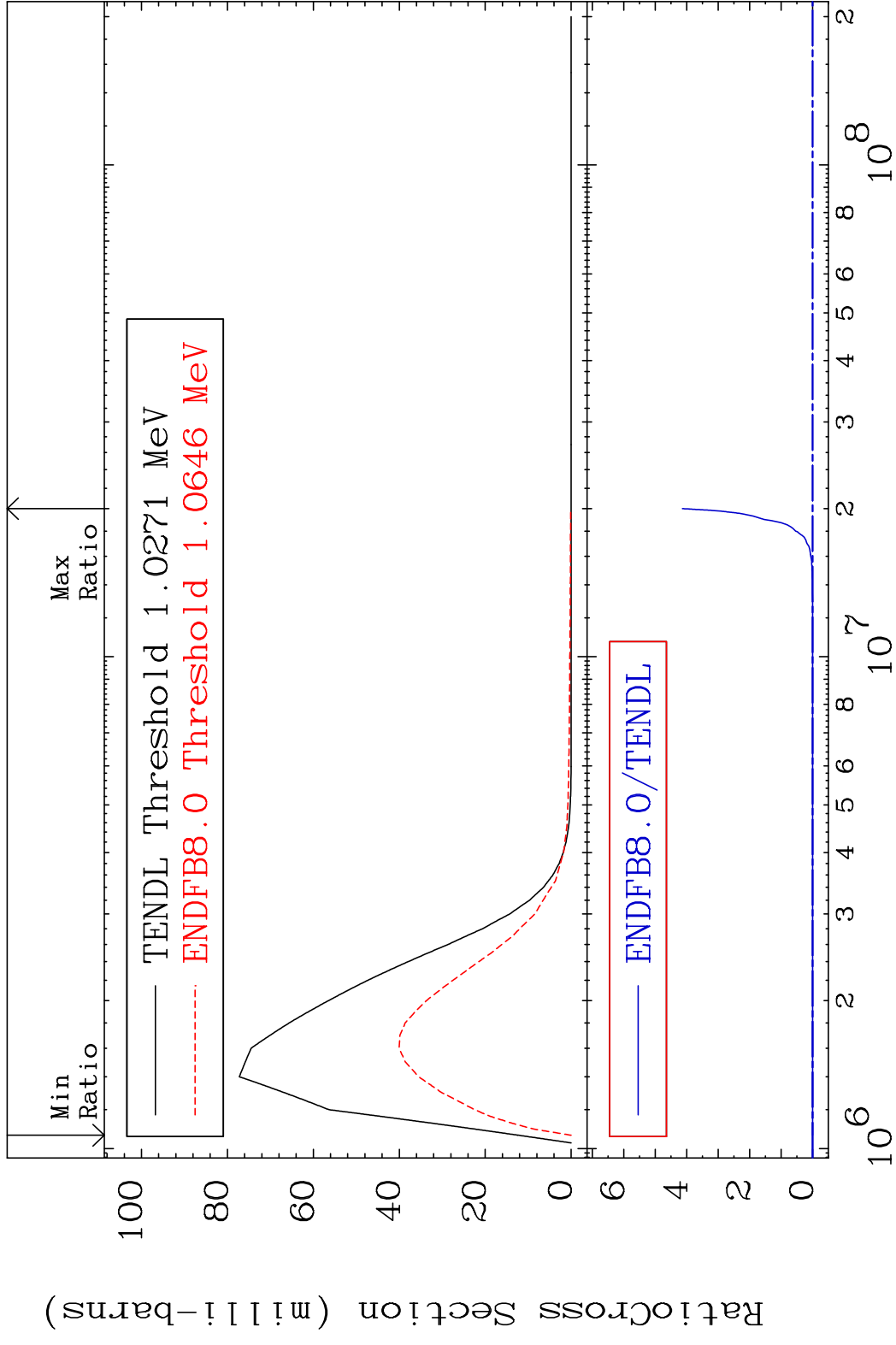
28 Incident Energy (eV) 90-Th-228

MAT 9028 MT= 69 (n, n') Level 90-Th-228  
 Cross Section -100.0 To 94.22 %



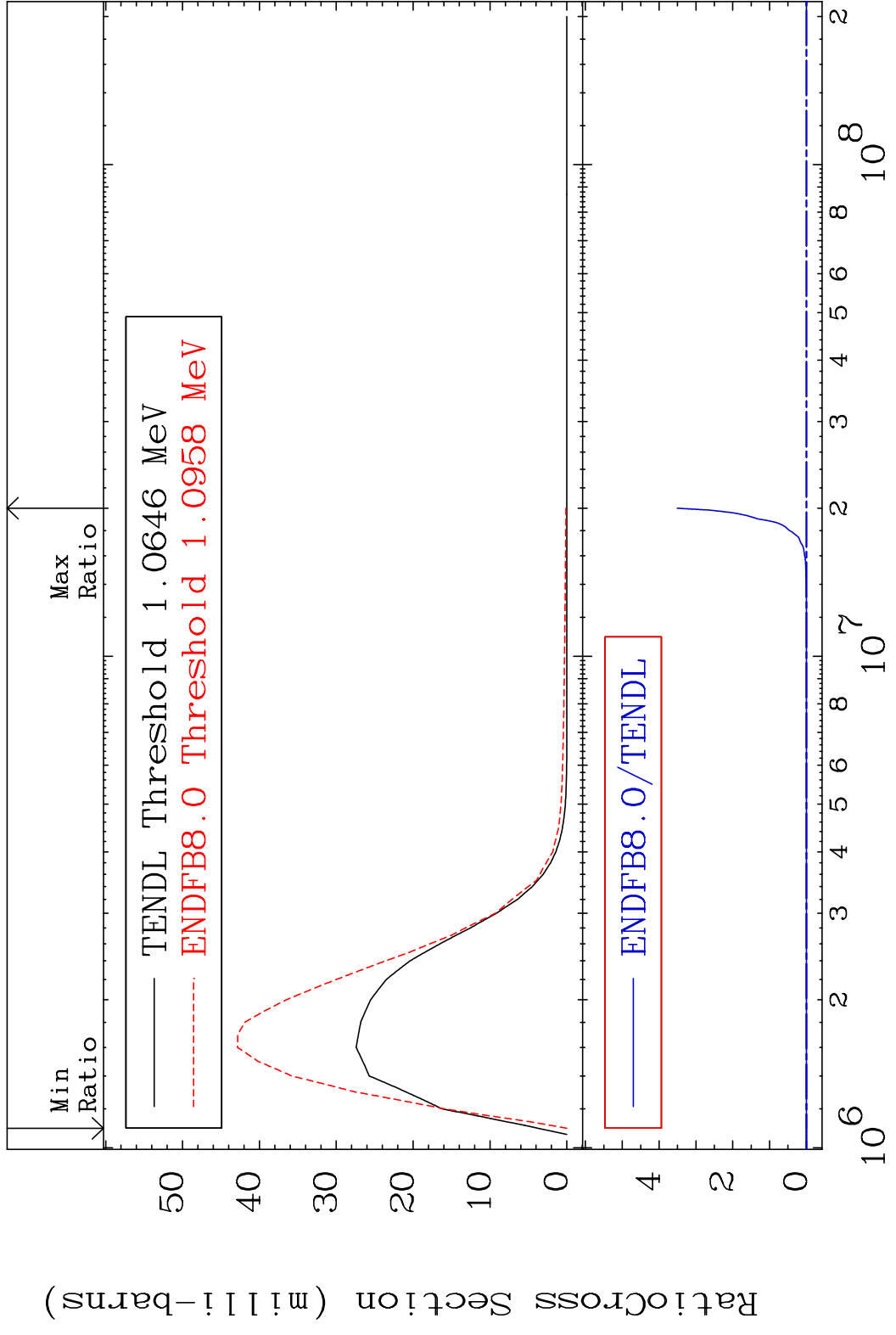
29 Incident Energy (eV) 90-Th-228

MAT 9028 MT= 70 (n, n') Level 90-Th-228  
 Cross Section -100.0 To 9999. %



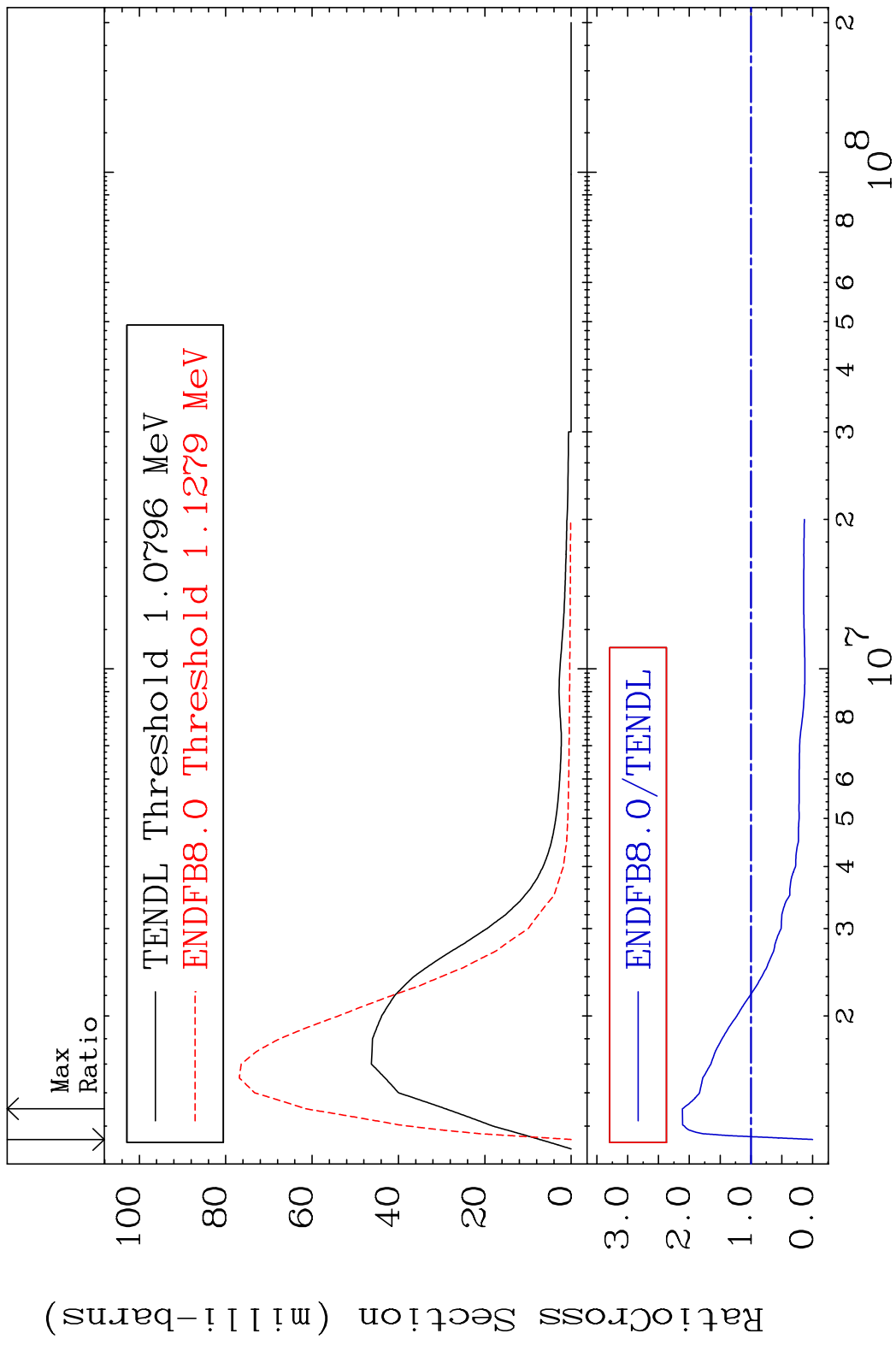
30 Incident Energy (eV) 90-Th-228

MAT 9028 MT= 71 (n, n') Level 90-Th-228  
 Cross Section -100.0 To 9999. %

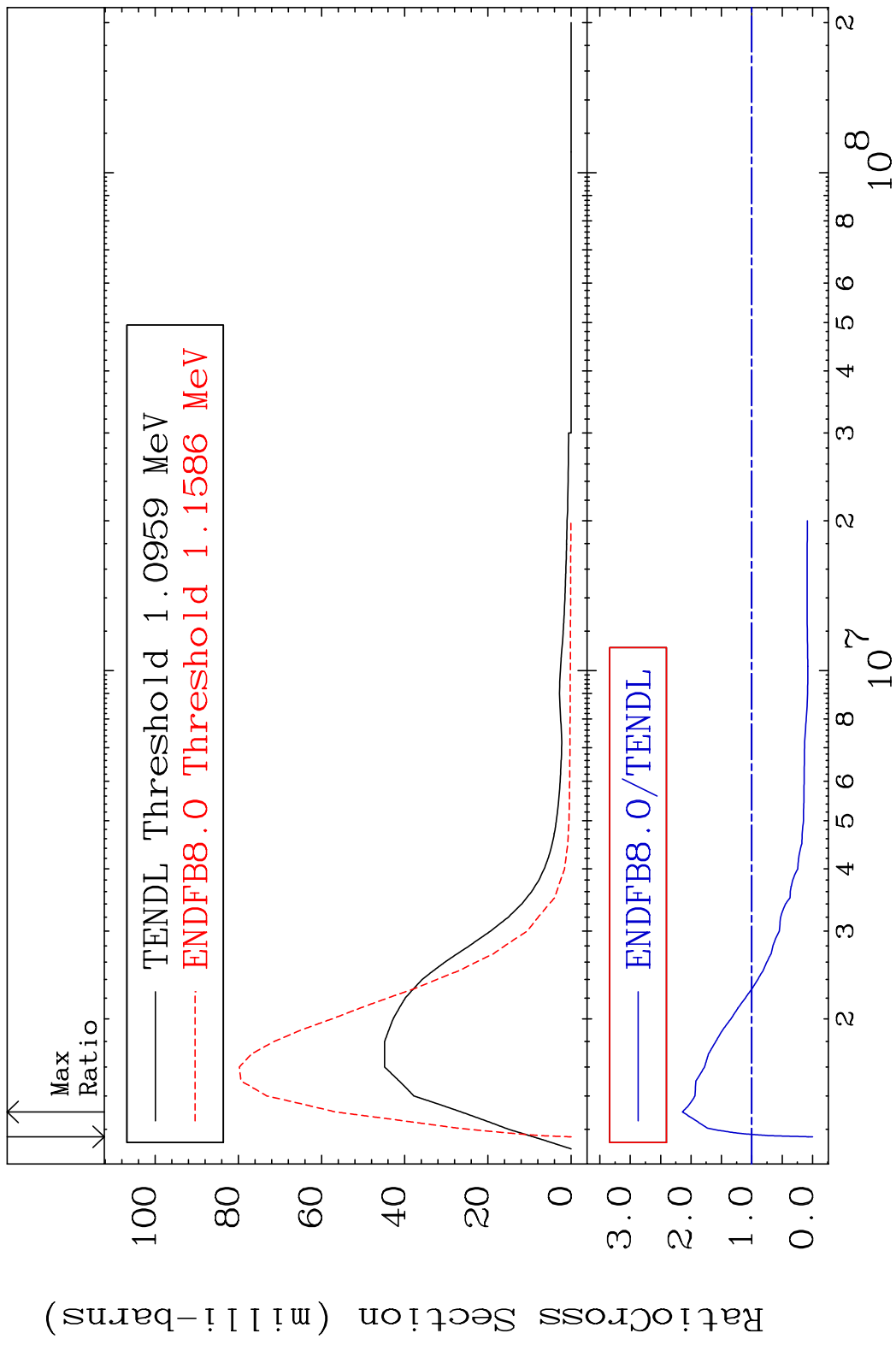




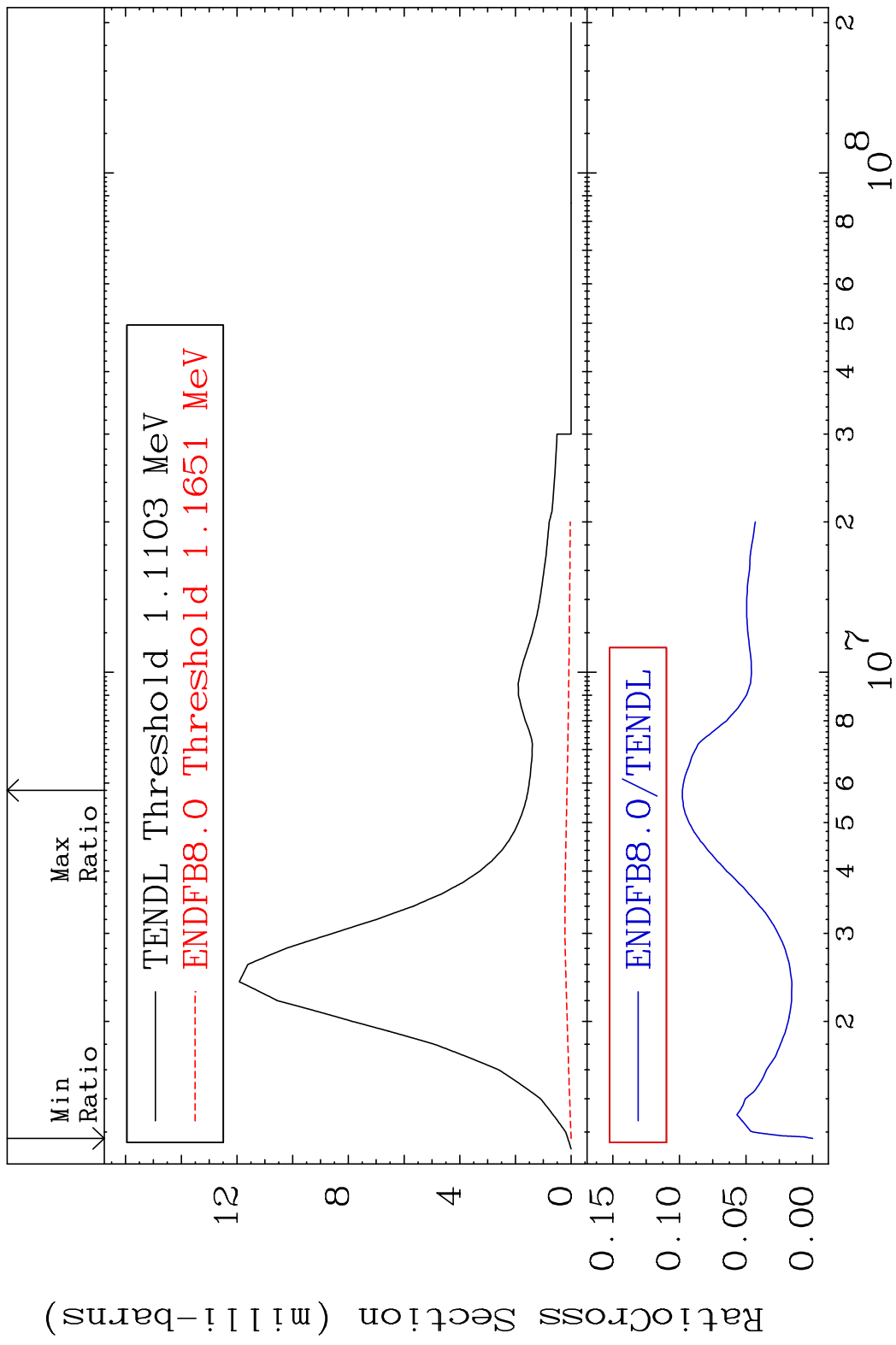
MAT 9028 MT= 72 (n, n') Level 90-Th-228  
 Cross Section -100.0 To 111.3 %



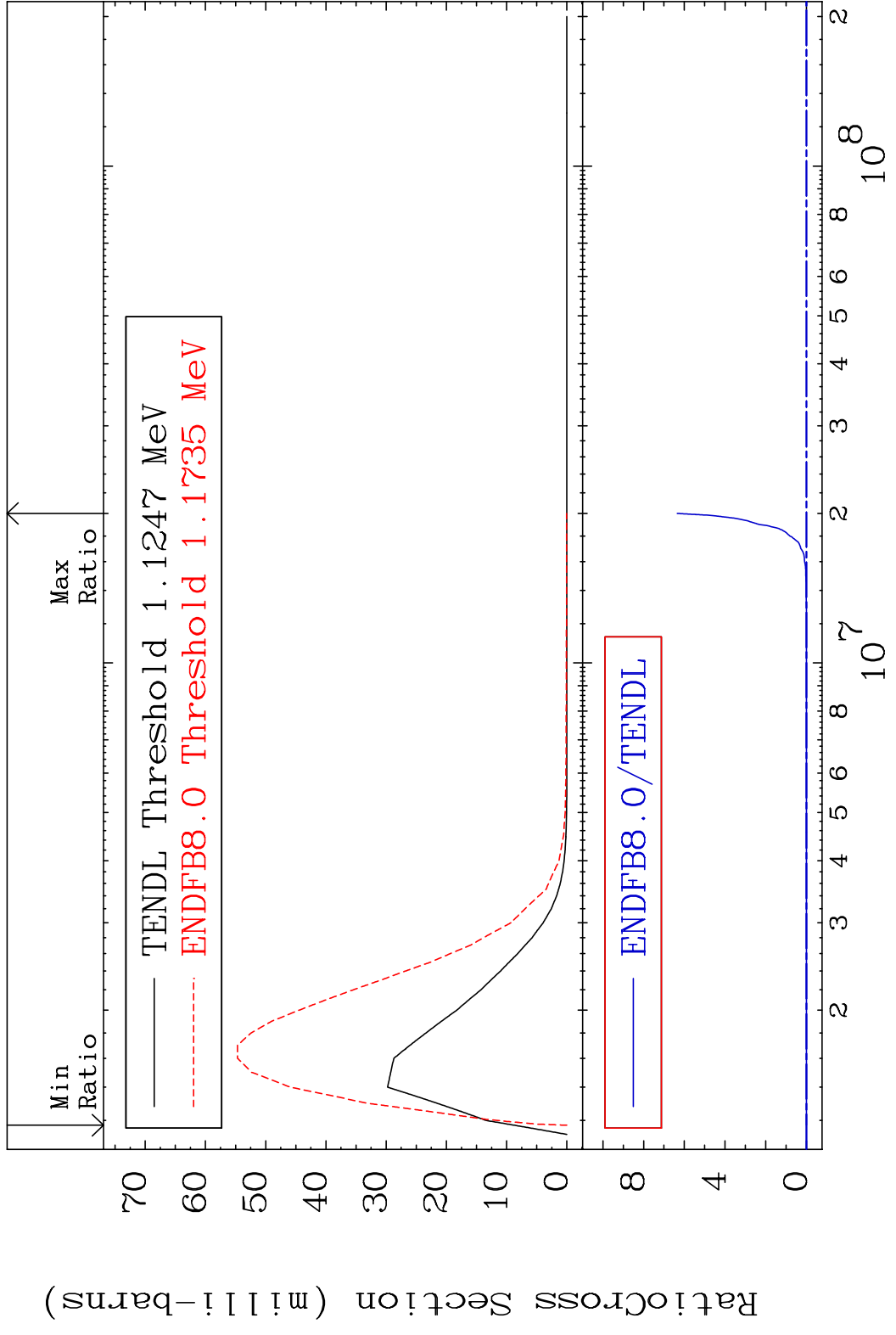
MAT 9028      MT= 73 (n, n') Level      90-Th-228  
 Cross Section    -100.0 To 114.2 %



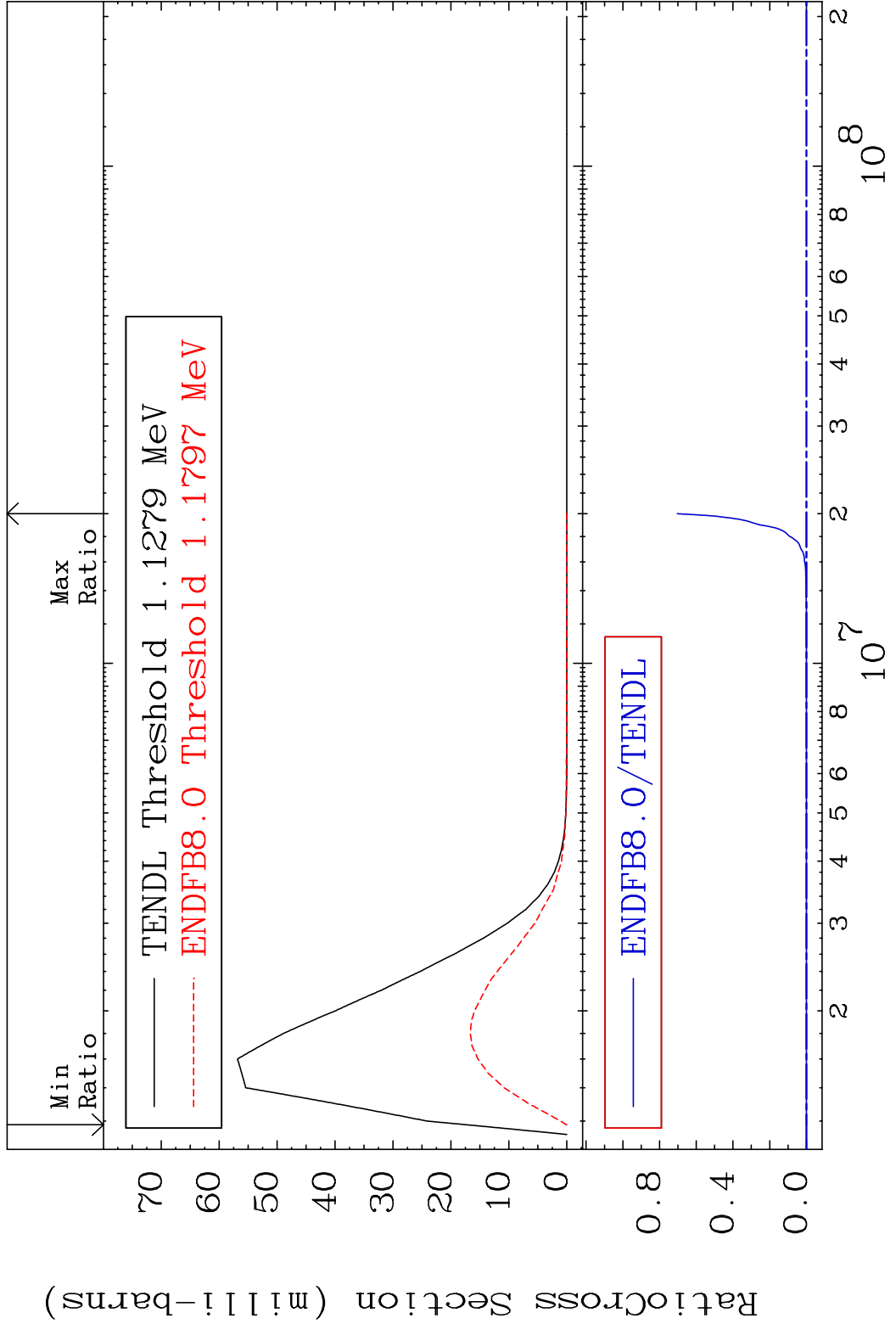
MAT 9028 MT= 74 (n,n') Level 90-Th-228  
 Cross Section -100.0 To -90.22%



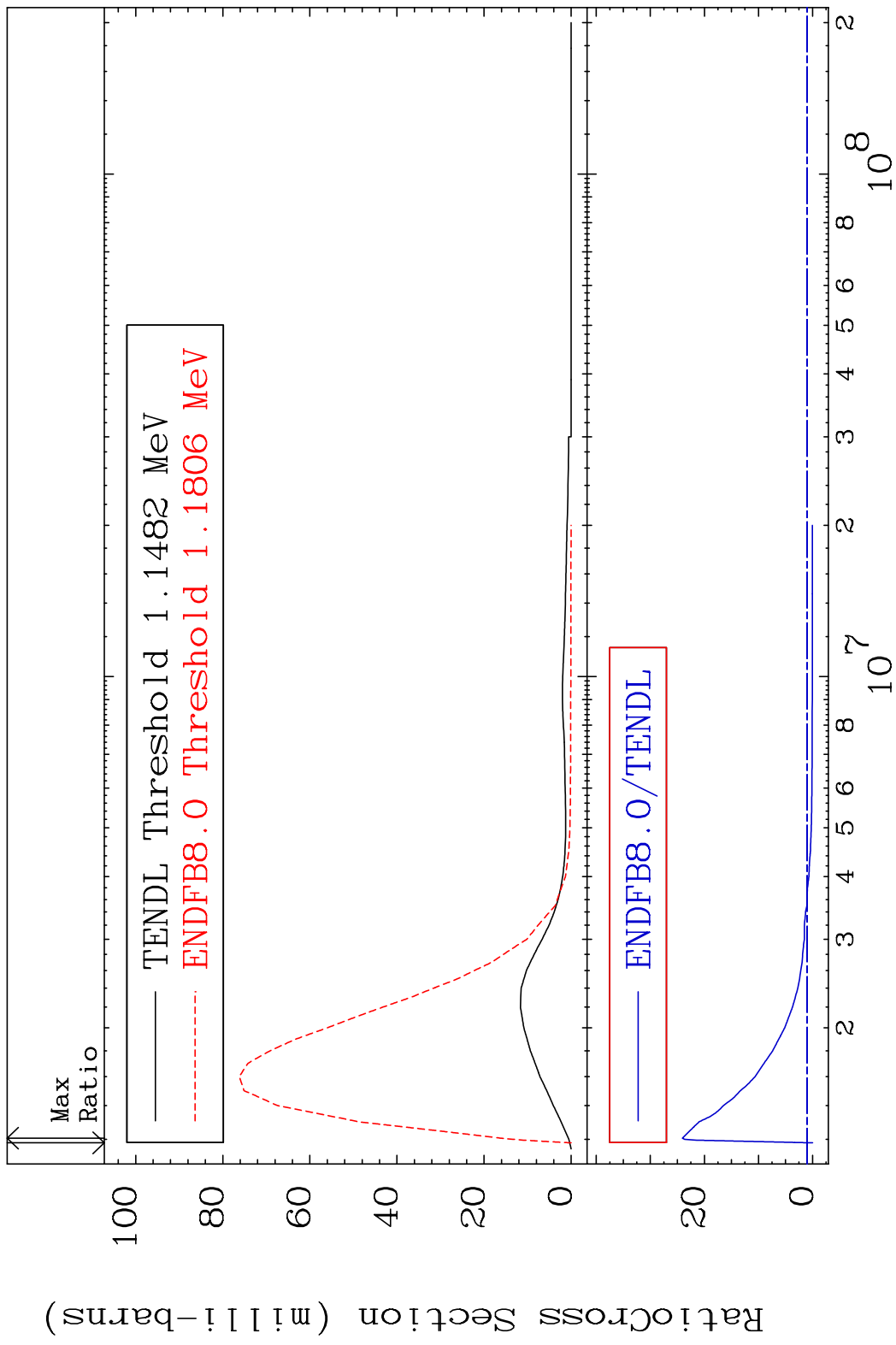
MAT 9028 MT= 75 (n, n') Level 90-Th-228  
 Cross Section -100.0 To 9999. %



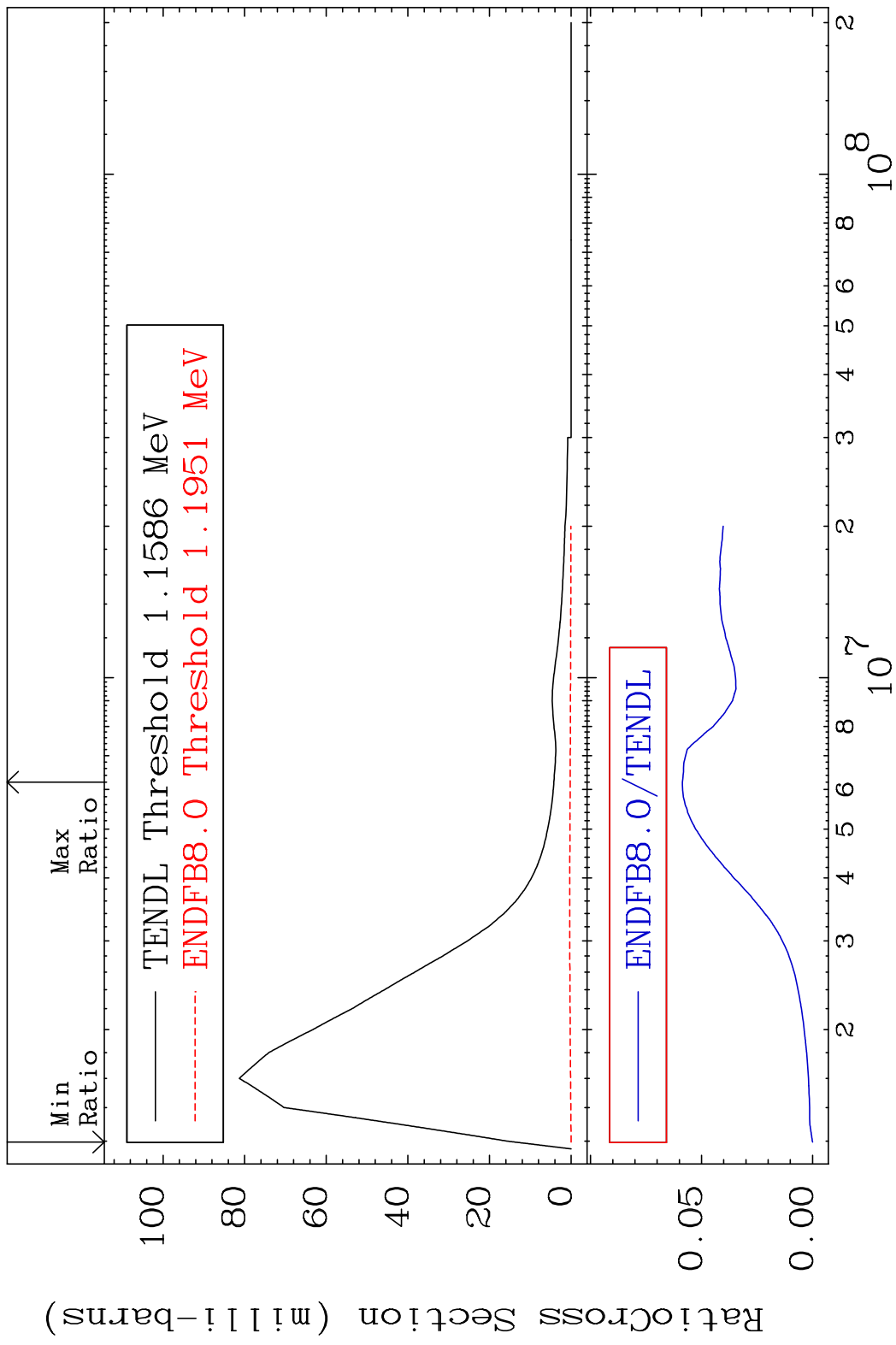
MAT 9028 MT= 76 (n, n') Level 90-Th-228  
 Cross Section -100.0 To 9999. %



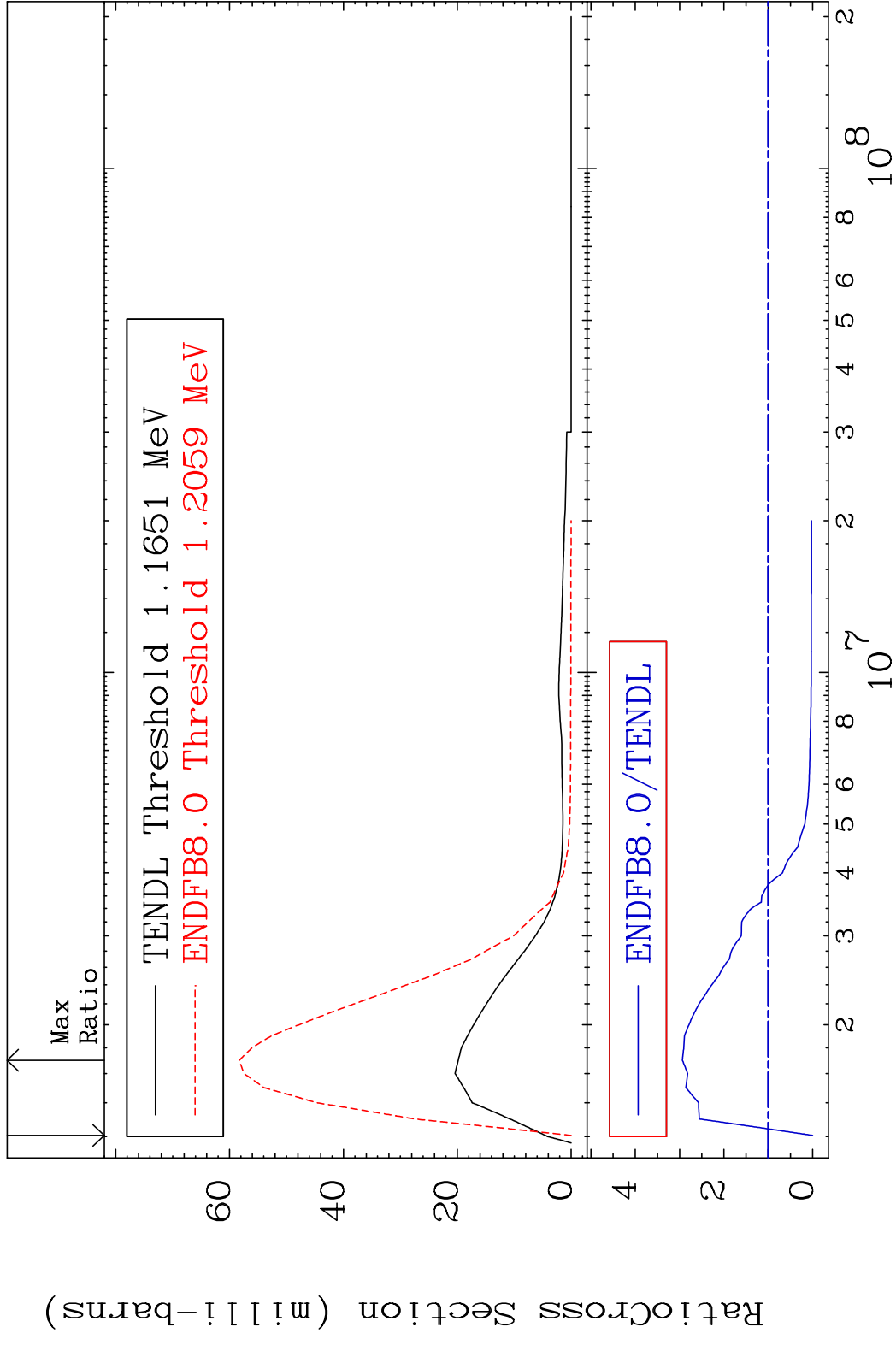
MAT 9028 MT= 77 (n, n') Level 90-Th-228  
 Cross Section -100.0 To 2308. %



MAT 9028 MT= 78 (n, n') Level 90-Th-228  
 Cross Section -100.0 To -94.14%



MAT 9028 MT= 79 (n, n') Level 90-Th-228  
 Cross Section -100.0 To 193.8 %



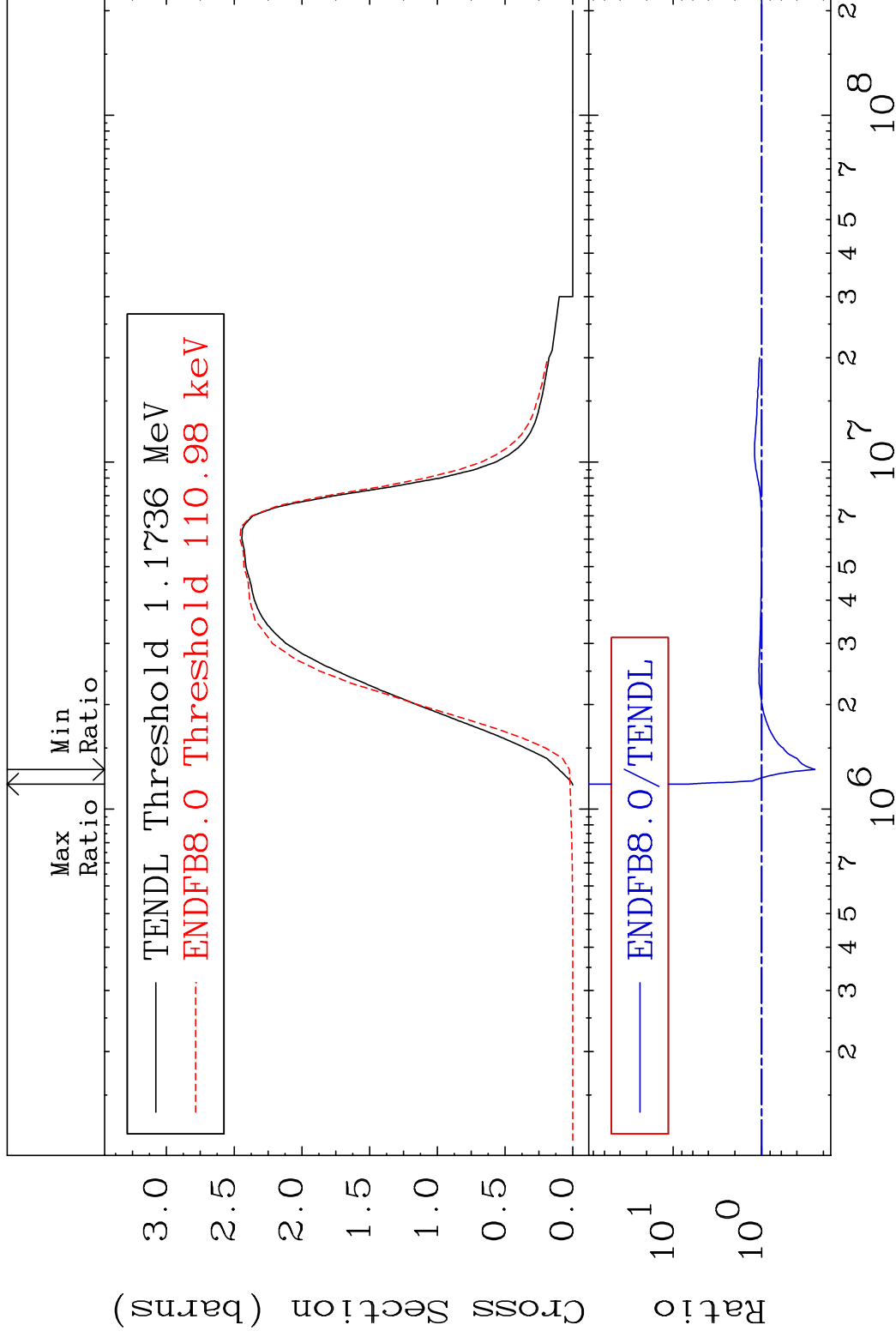


MAT 9028

(n, n') Continuum

90-Th-228

Cross Section -75.05 To 649.1 %



40

Incident Energy (eV)

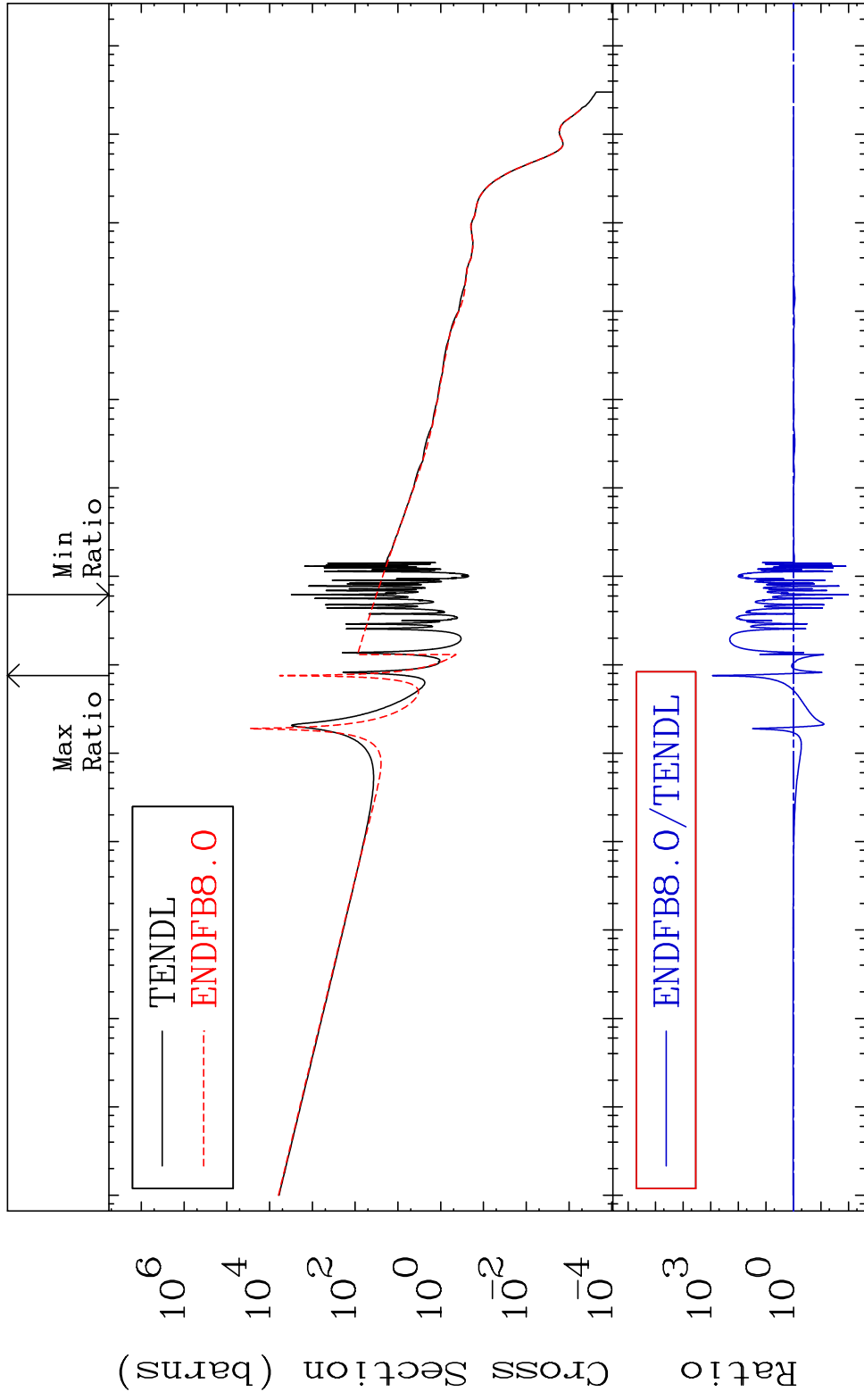
90-Th-228

MAT 9028

(n,  $\gamma$ )

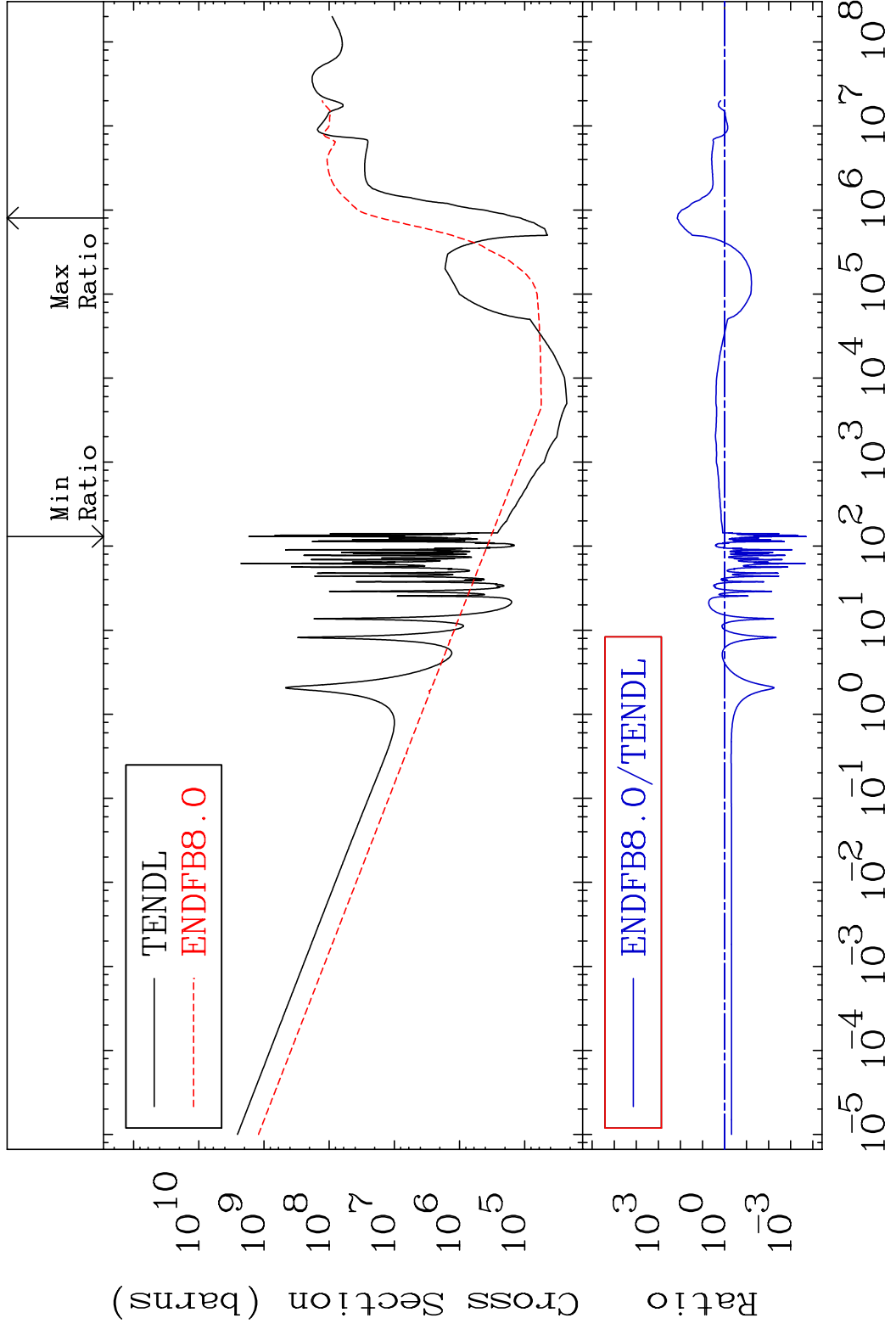
90-Th-228

Cross Section -98.97 To 9999. %



MAT 9028

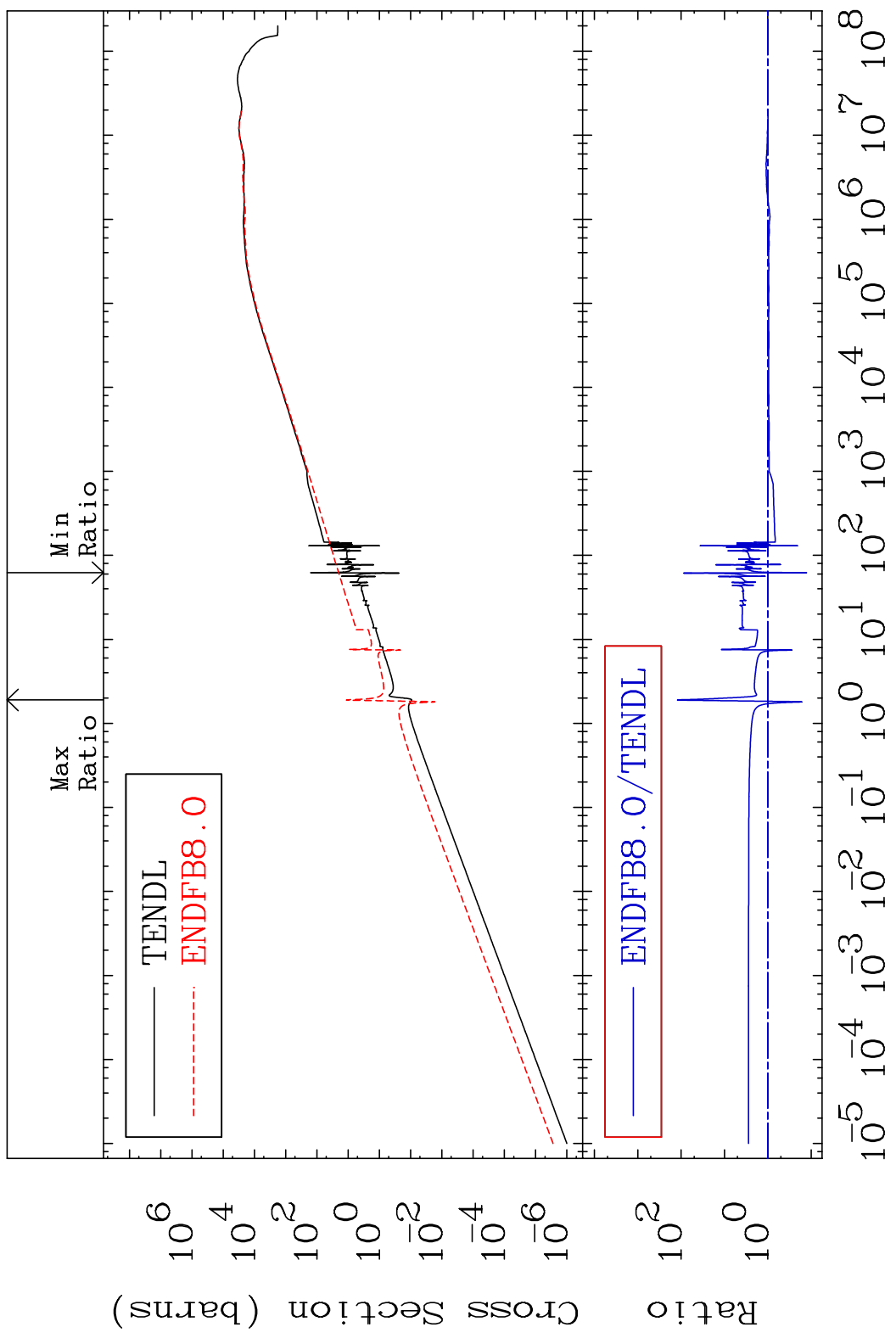
Kerma total (eV-barns) 90-Th-228  
Cross Section -99.98 To 9999. %



MAT 9028

Kerma elastic Cross Section -87.16 To 9999. %

90-Th-228

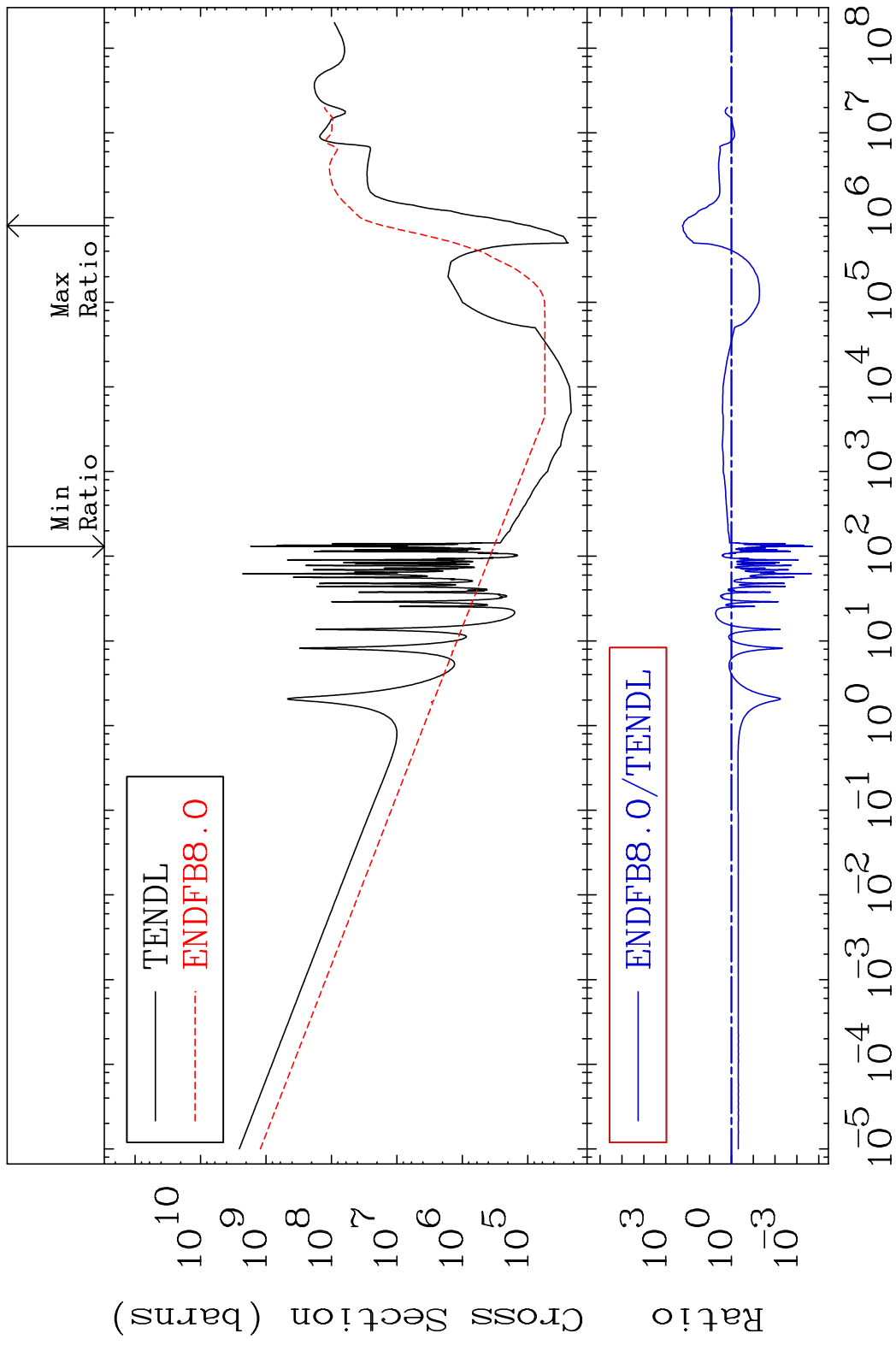


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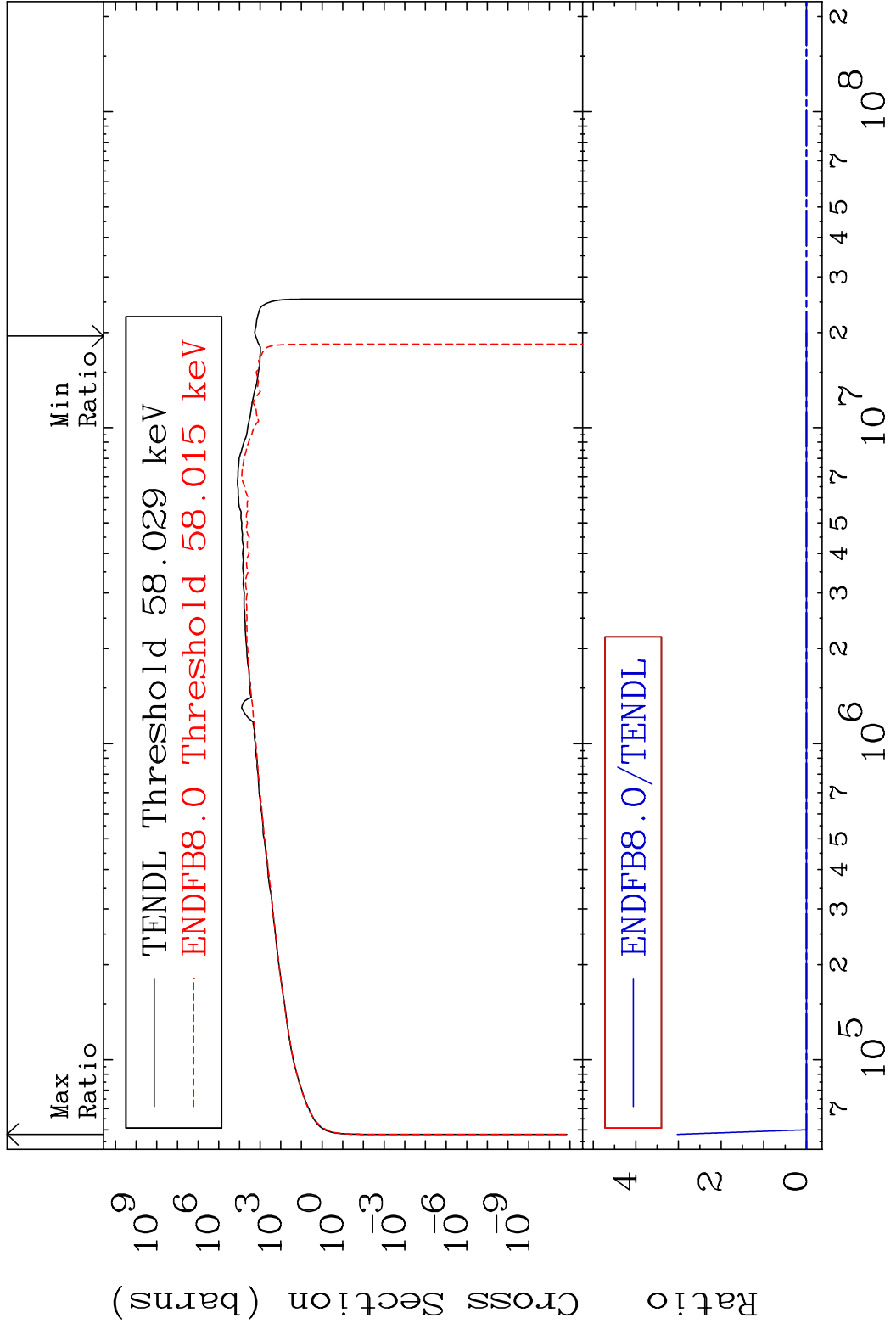
Incident Energy (eV)

90-Th-228

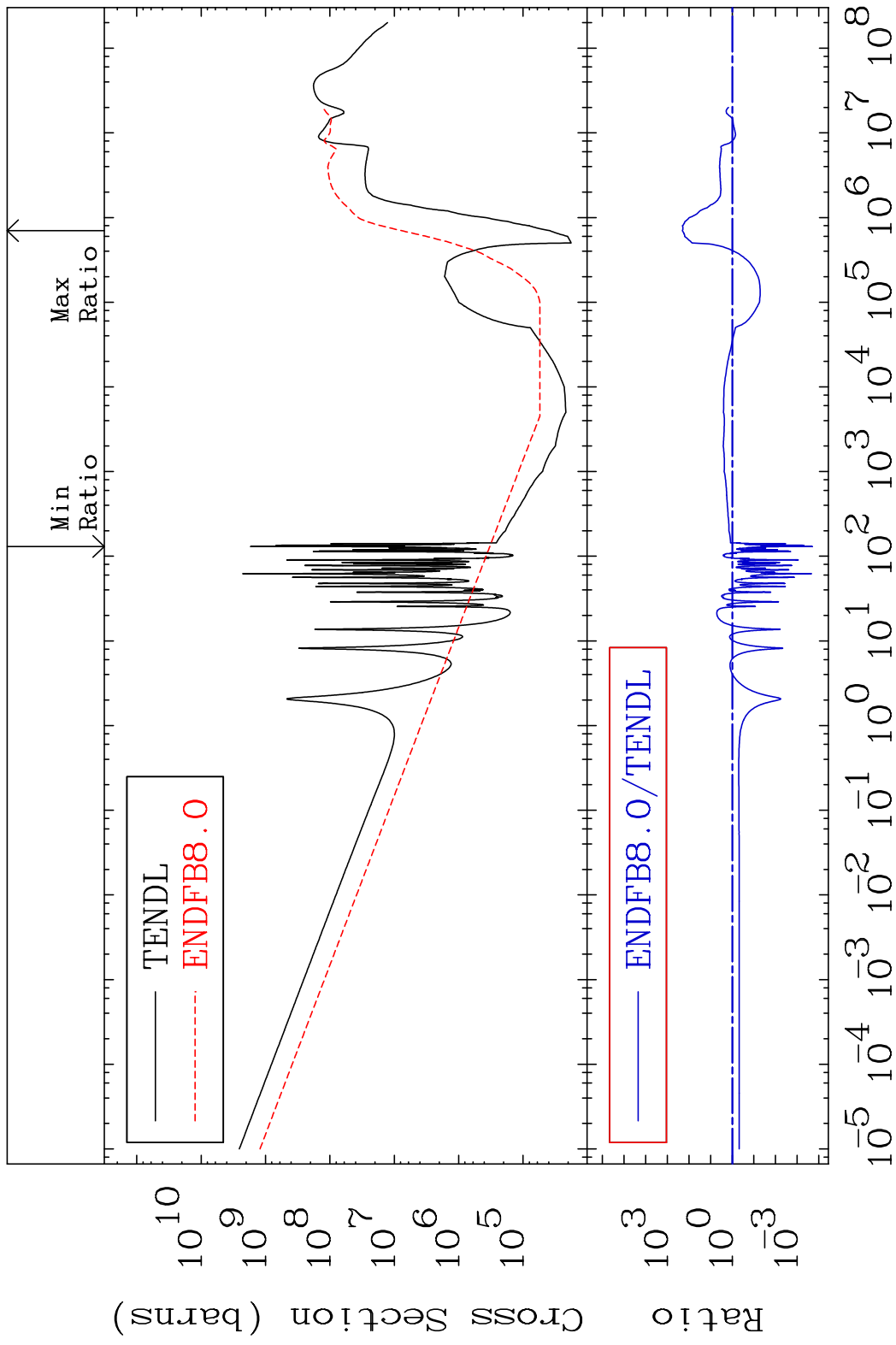
MAT 9028 Kerma non-elastic (all but mt2) 90-Th-228  
 Cross Section -99.98 To 9999. %

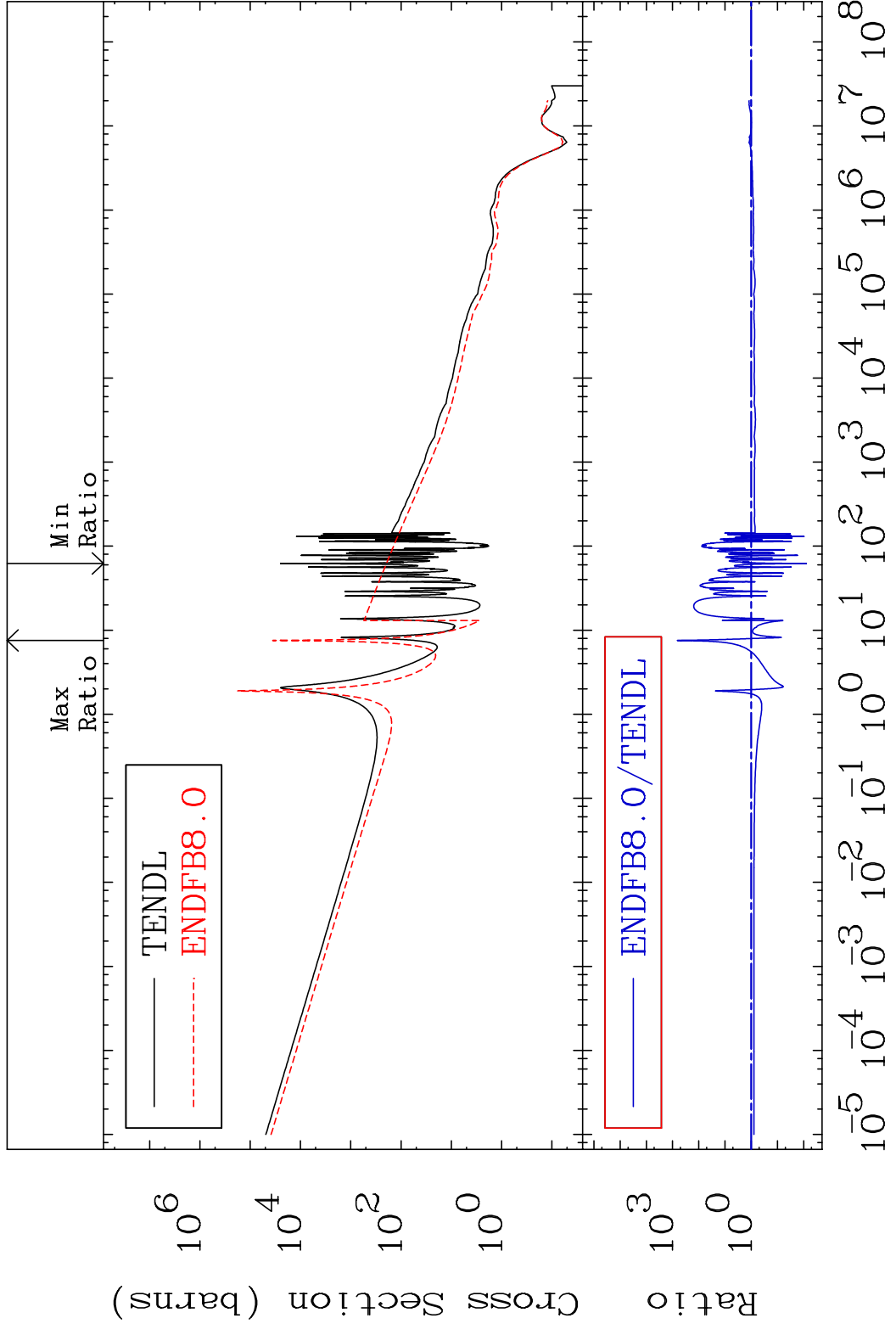


MAT 9028 Kerma inelastic (mt51-91) 90-Th-228  
 Cross Section -125.2 To 9999. %



MAT 9028 Kerma fission (mt18 or mt19-20-21-38) 90-Th-228  
 Cross Section -99.98 To 9999. %

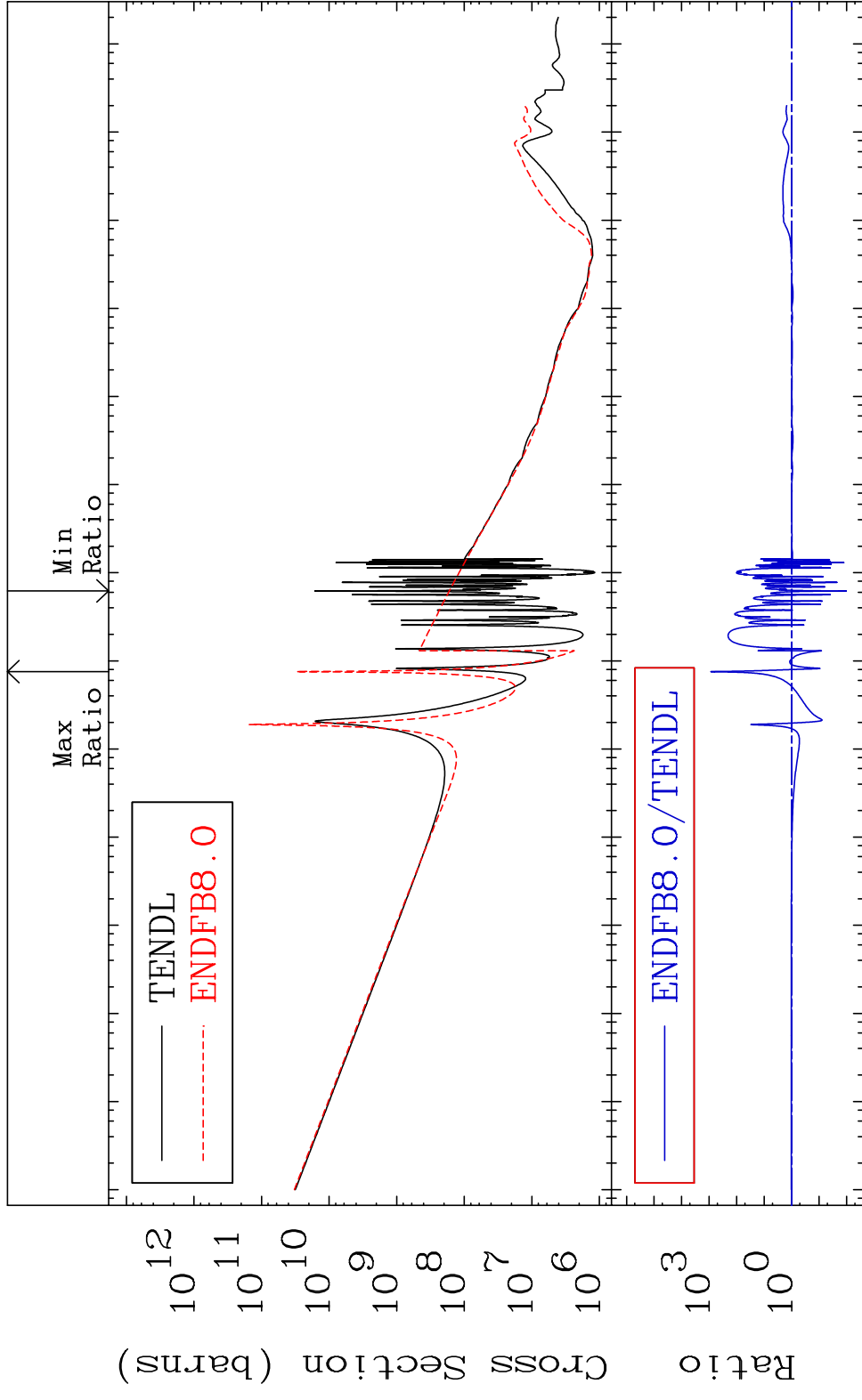






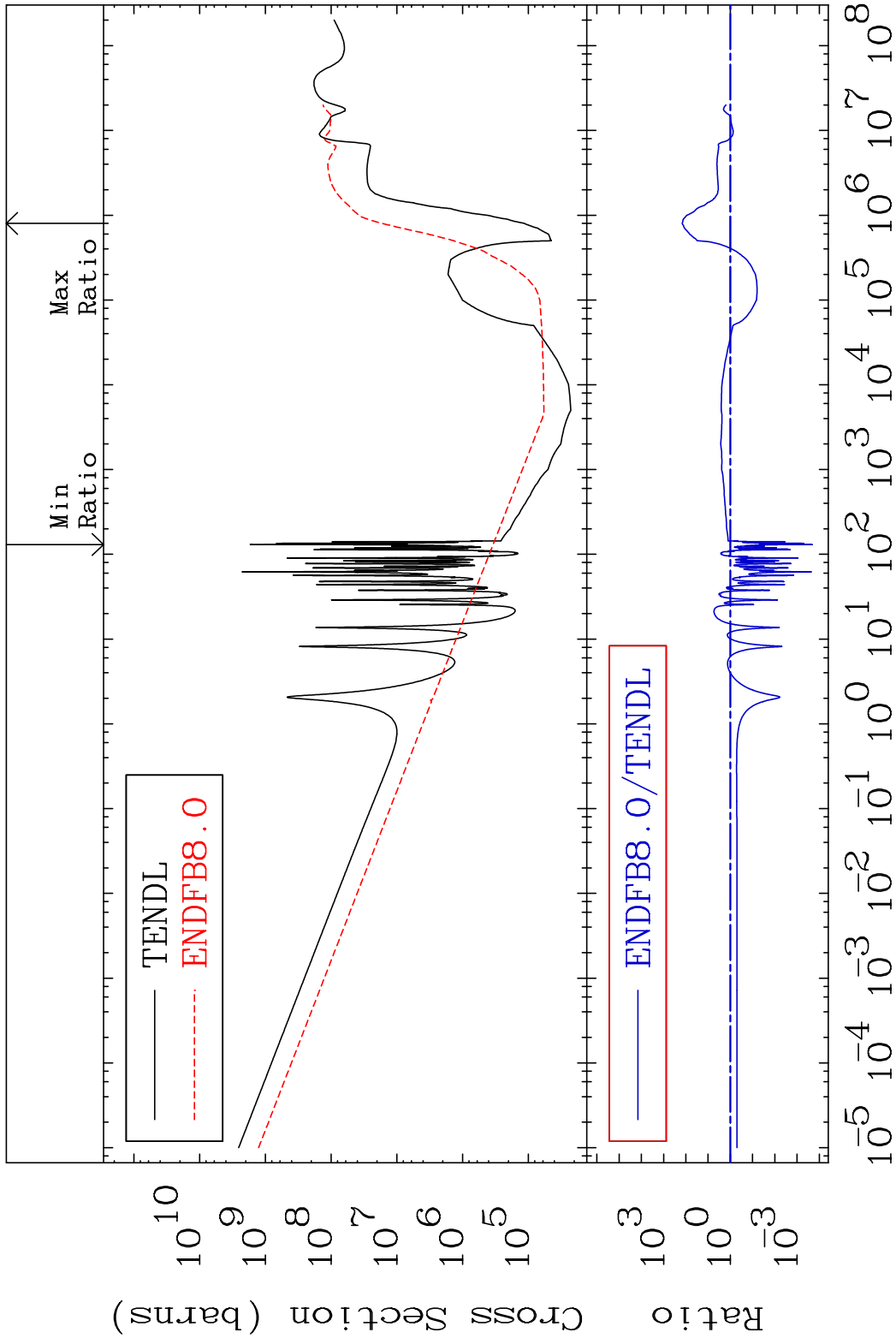
MAT 9028

Total photon (eV-barns) 90-Th-228  
Cross Section -98.97 To 9999. %

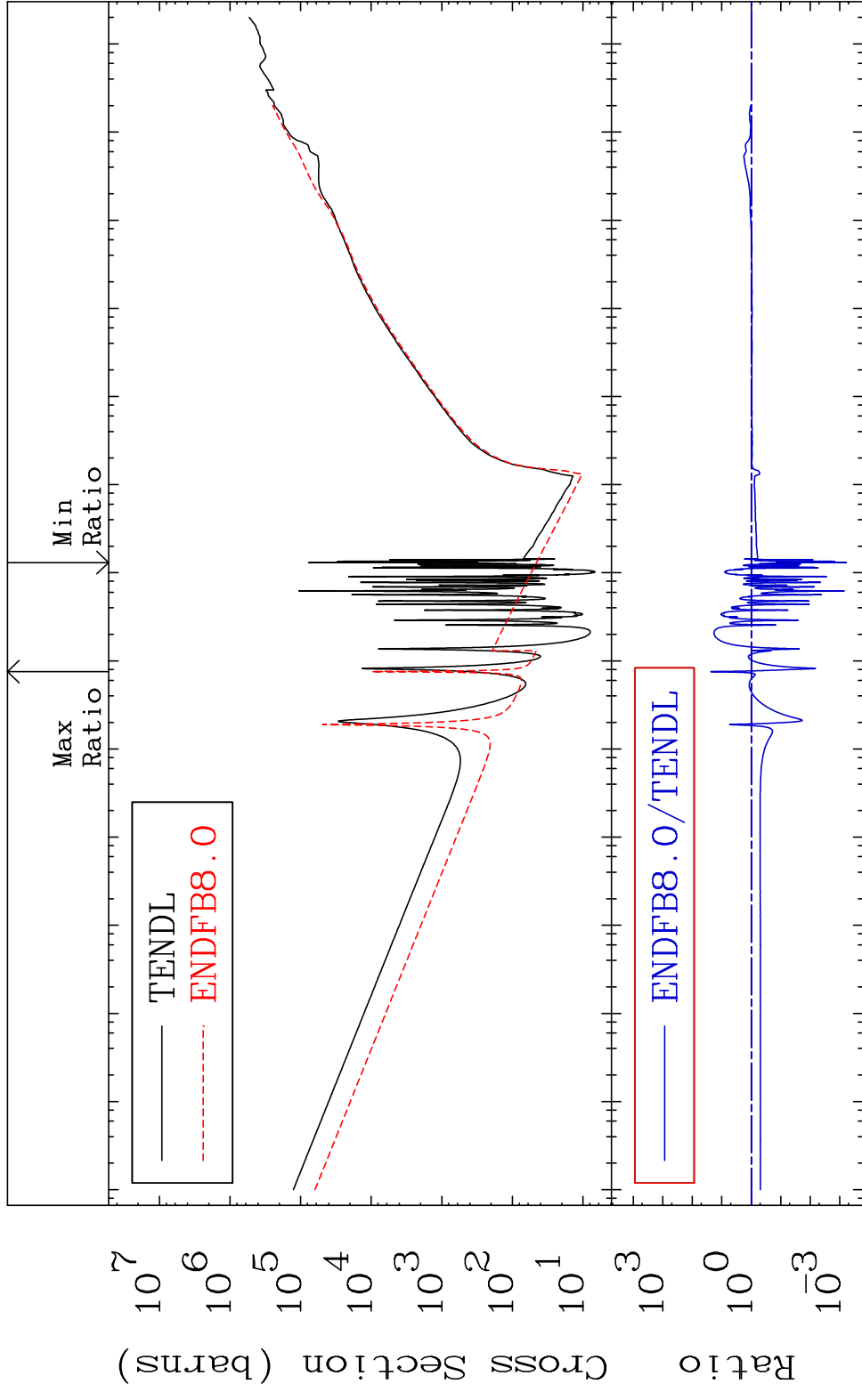


Ratio  
10<sup>3</sup>  
10<sup>0</sup>  
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

MAT 9028 Total kinematic kerma (high limit) 90-Th-228  
 Cross Section -99.98 To 9999. %



MAT 9028 Dpa total (eV-barns) 90-Th-228  
 Cross Section -99.94 To 2273. %



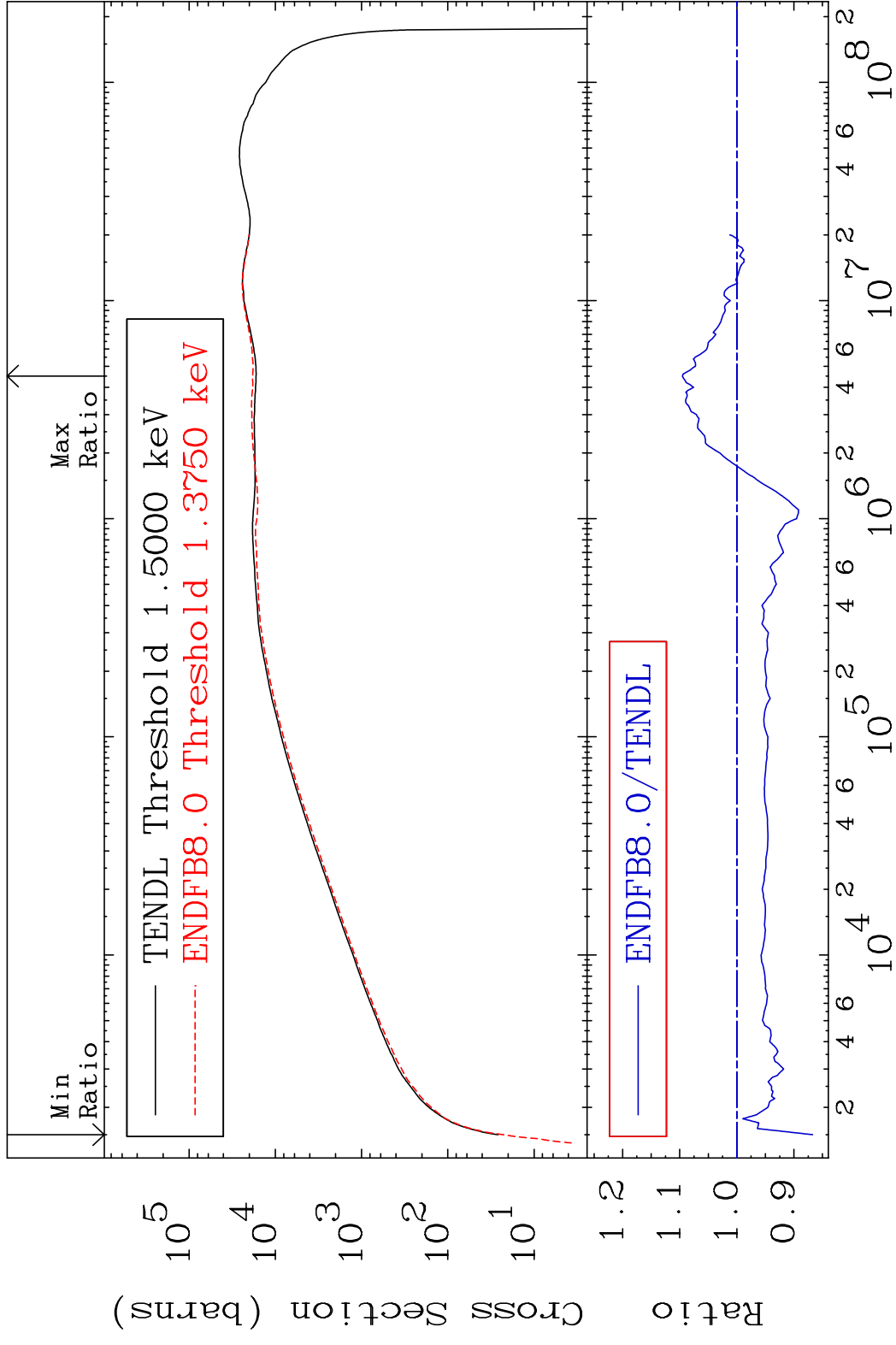
50 Incident Energy (eV) 90-Th-228

MAT 9028

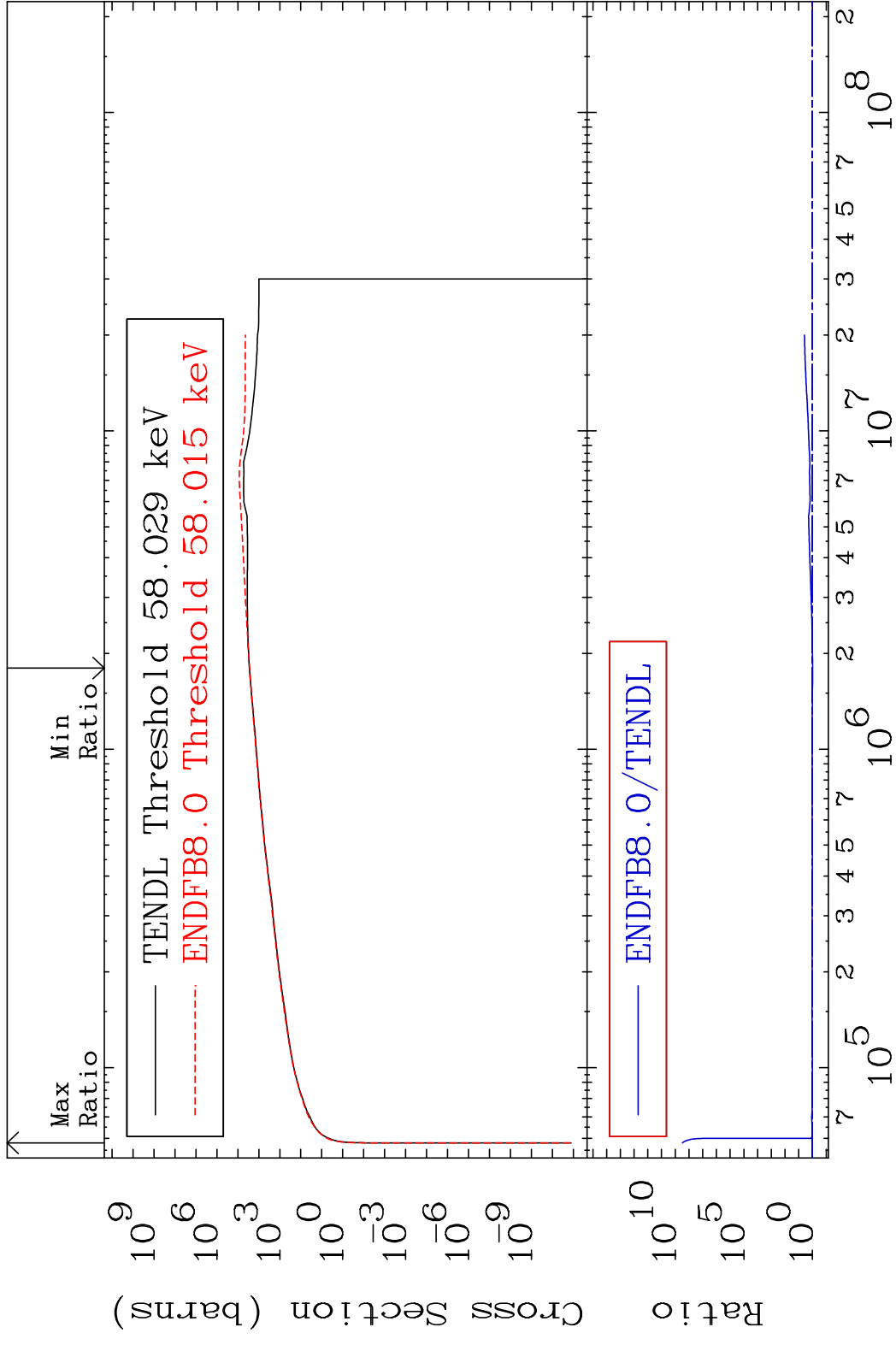
Dpa elastic (mt2)

90-Th-228

Cross Section -13.26 To 9.540 %



MAT 9028 Dpa inelastic (mt51-91) 90-Th-228  
 Cross Section -1.671 To 9999. %



MAT 9028 Dpa disappearance (mt102 -120) 90-Th-228  
 Cross Section -100.0 To 9999. %

