

Program Complot  
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

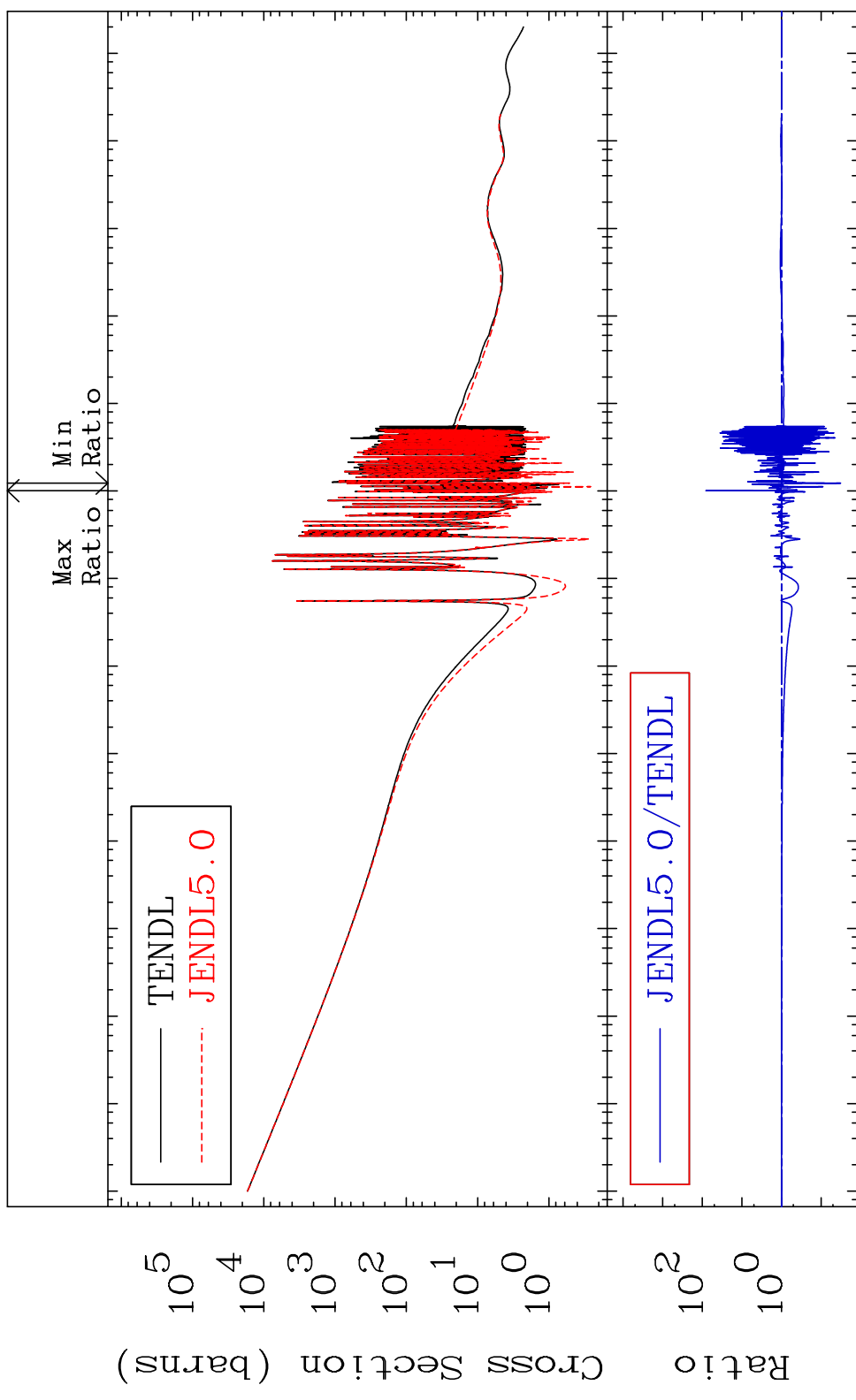
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 6028

Total Cross Section -96.75 To 8083. %  
60-Nd-143



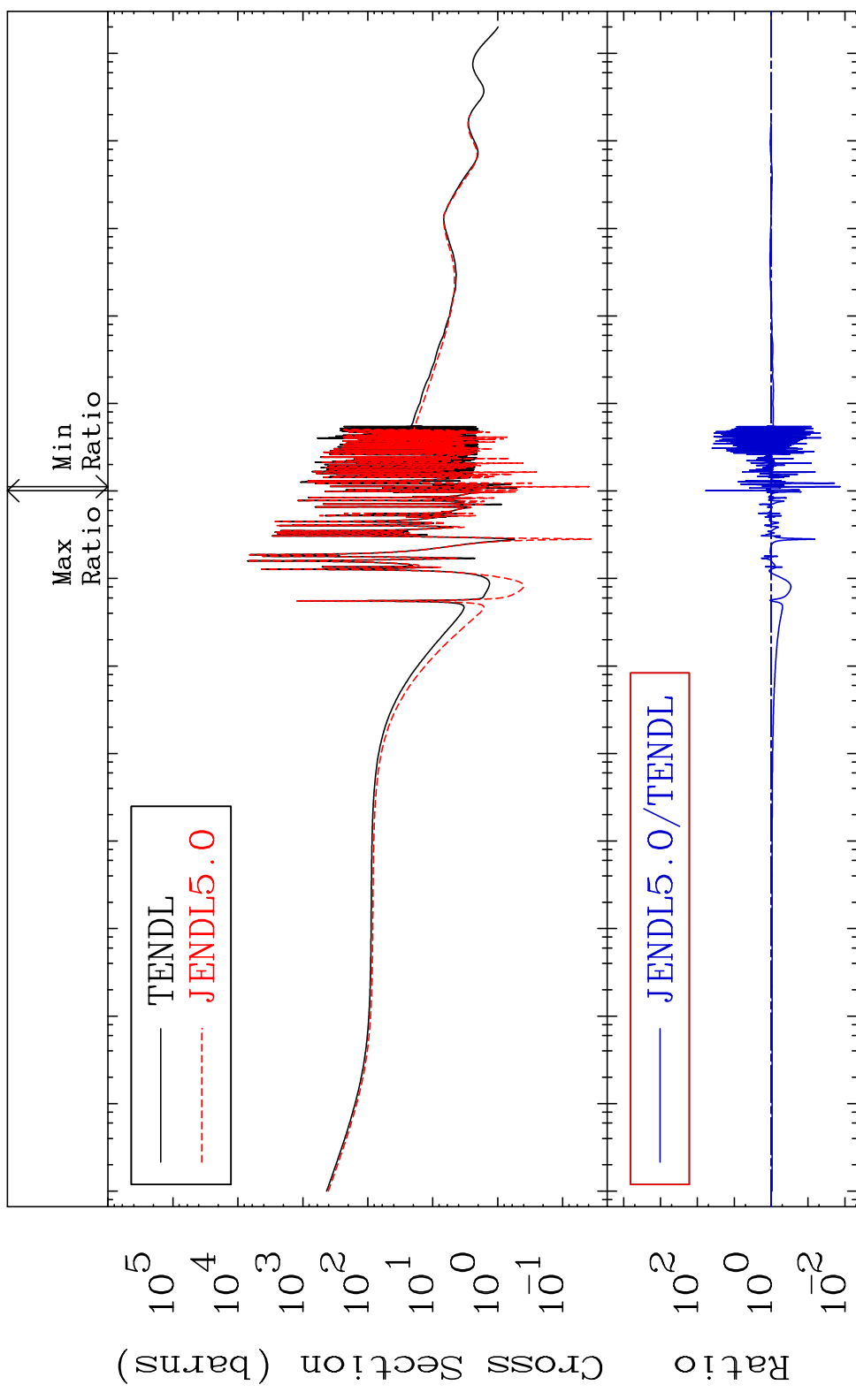
10<sup>5</sup> 10<sup>4</sup> 10<sup>3</sup> 10<sup>2</sup> 10<sup>1</sup> 10<sup>0</sup> 10<sup>-1</sup> 10<sup>-2</sup> 10<sup>-3</sup> 10<sup>-4</sup> 10<sup>-5</sup>

10<sup>8</sup> 10<sup>7</sup> 10<sup>6</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>

1 Incident Energy (eV) 60-Nd-143

MAT 6028

Elastic Cross Section -98.68 To 5825. %  
60-Nd-143



2

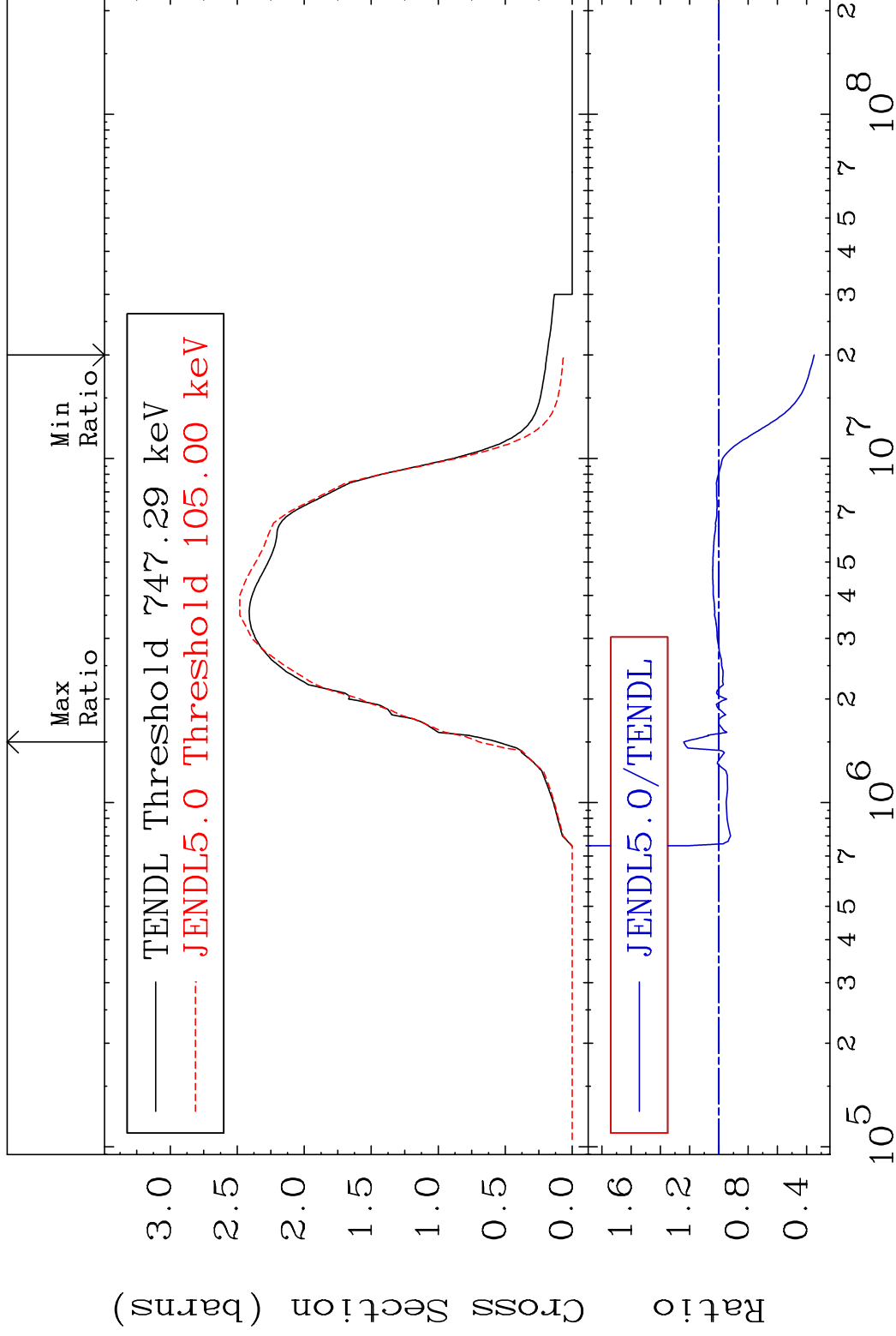
Incident Energy (eV) 60-Nd-143

MAT 6028

Inelastic

60-Nd-143

Cross Section -65.09 To 24.07 %



3

Incident Energy (eV)

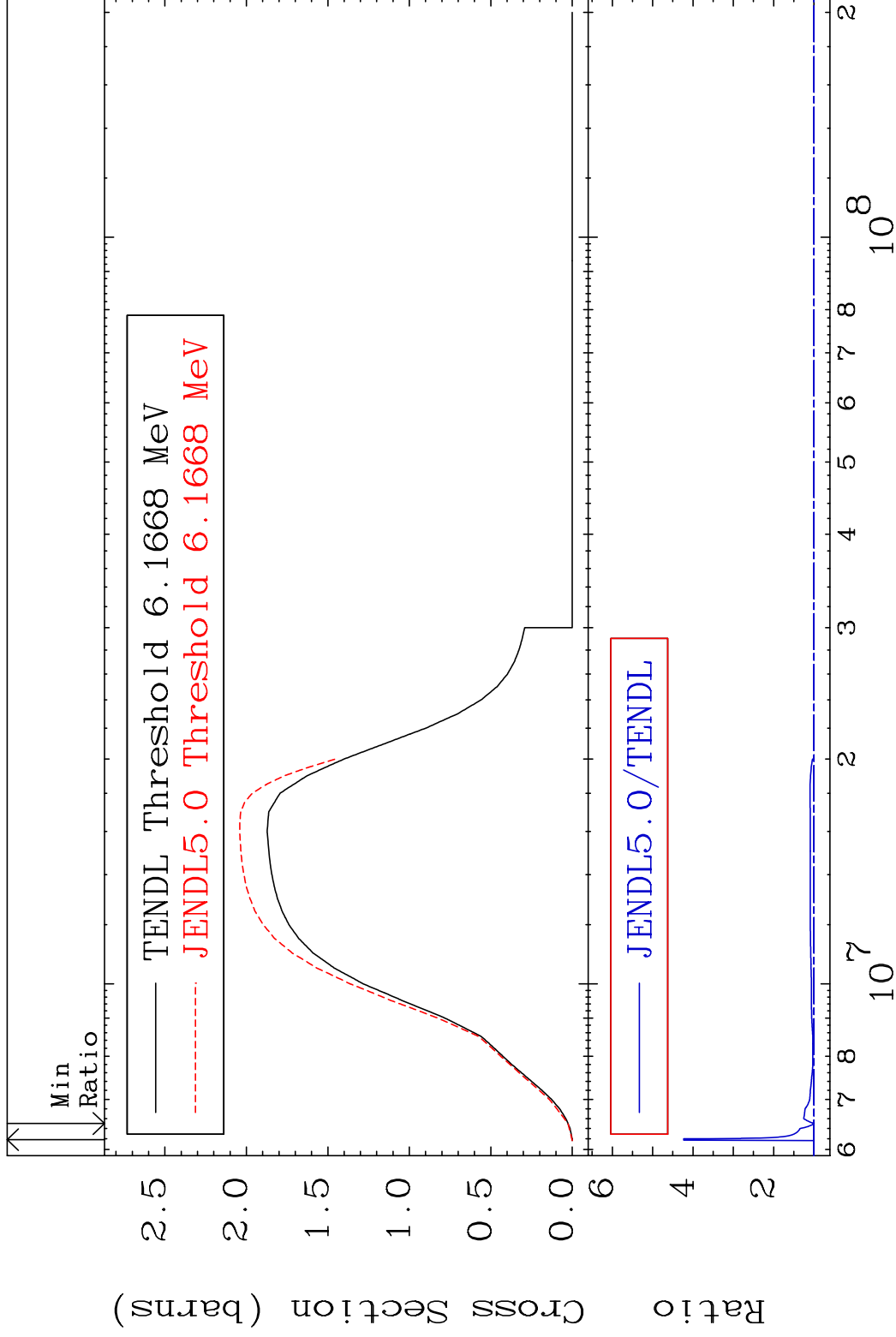
60-Nd-143

MAT 6028

(n,2n)

60-Nd-143

Cross Section -0.283 To 323.1 %



4

Incident Energy (eV)

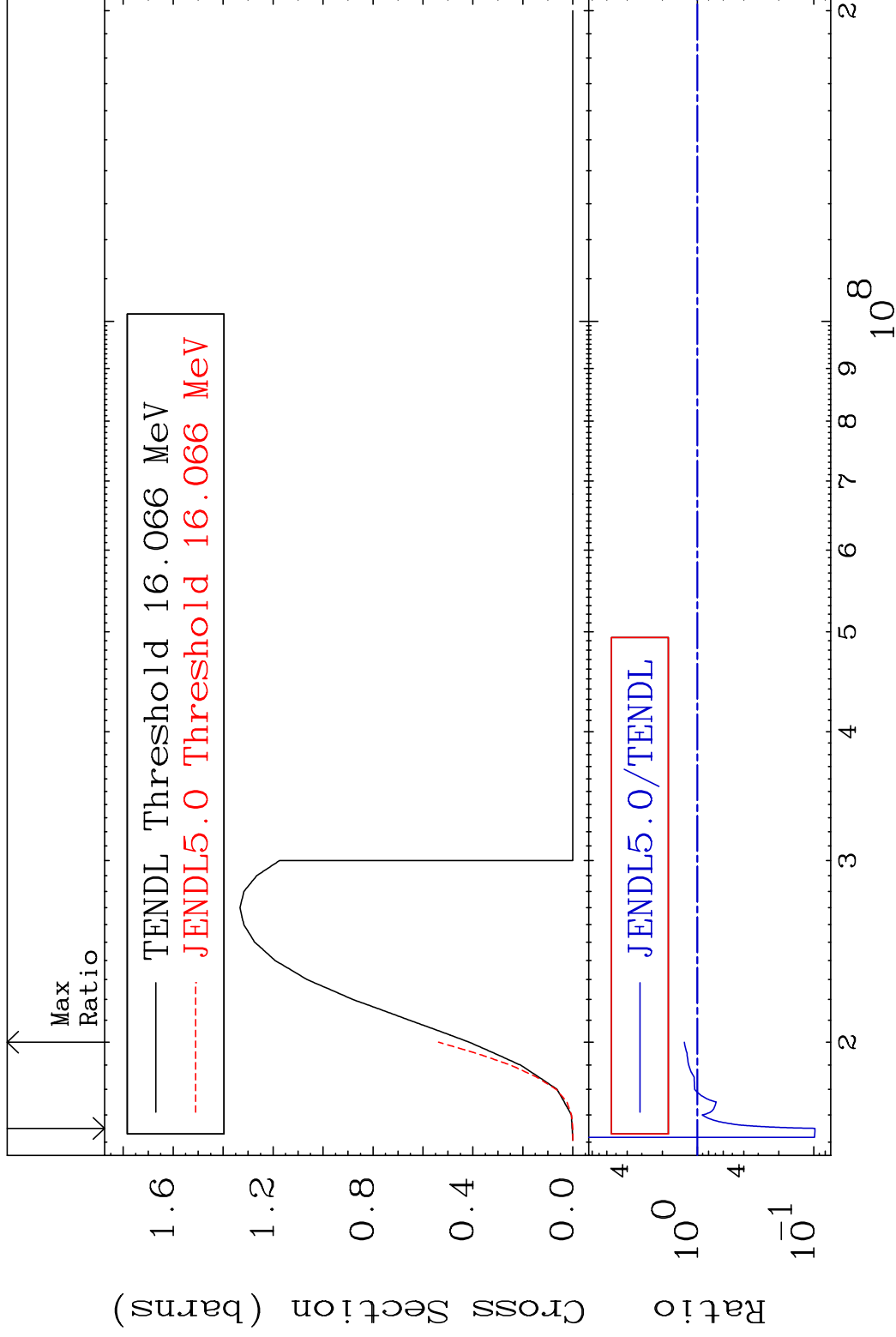
60-Nd-143

MAT 6028

(n,3n)

60-Nd-143

Cross Section -90.19 To 29.53 %



5

Incident Energy (eV)

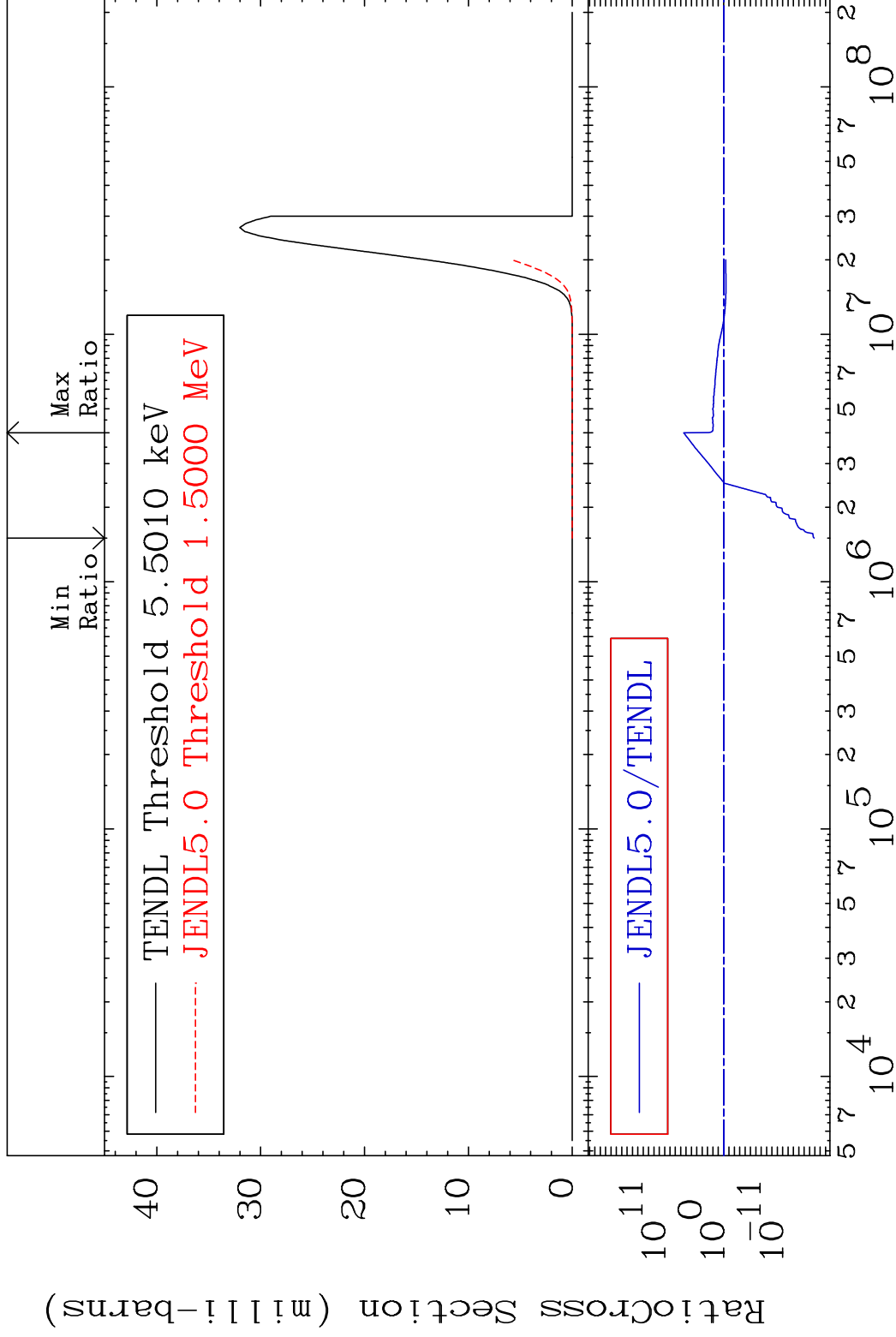
60-Nd-143

MAT 6028

(n, n')  $\alpha$

60-Nd-143

Cross Section -100.0 To 9999. %

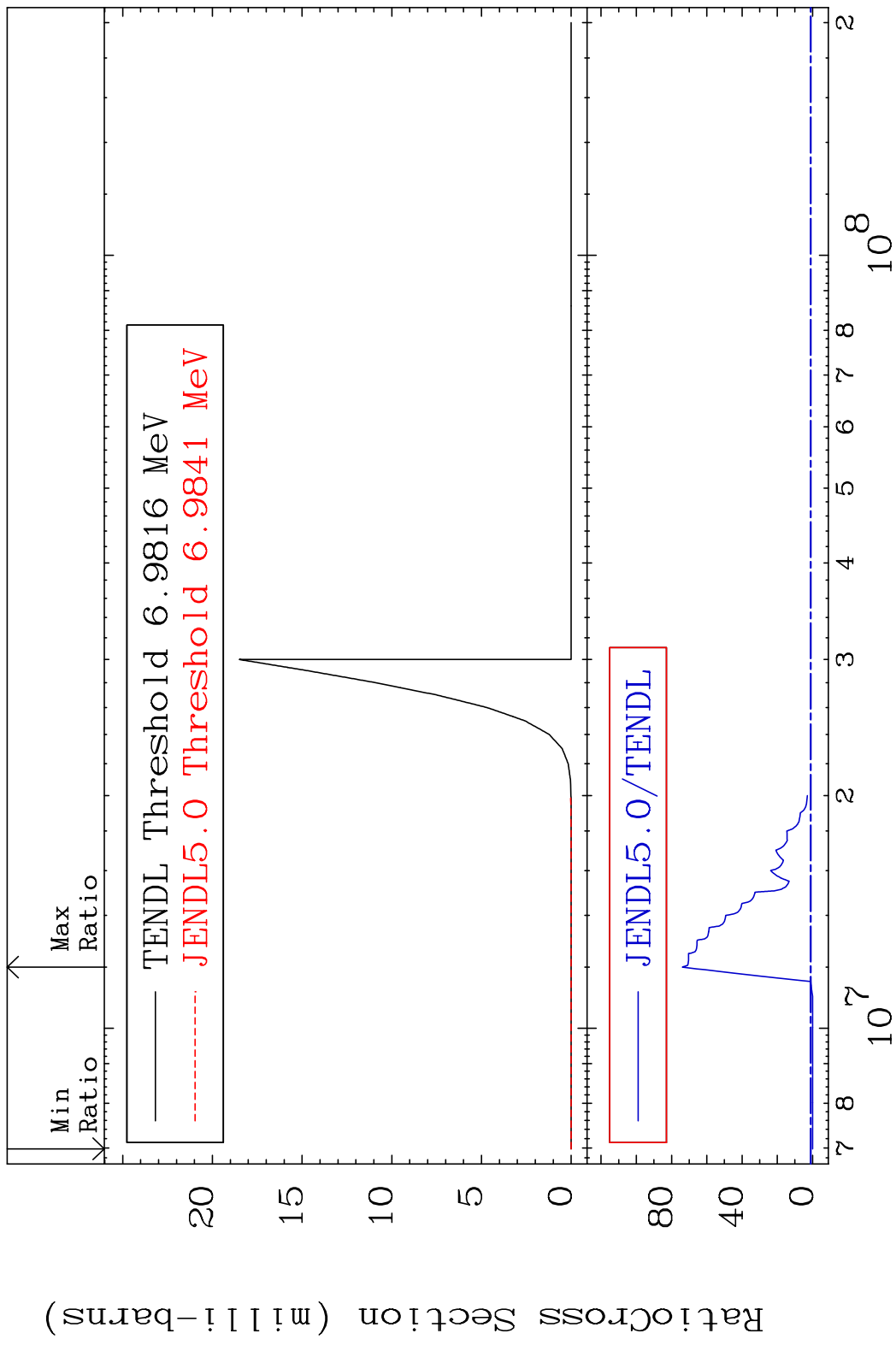


6

Incident Energy (eV)

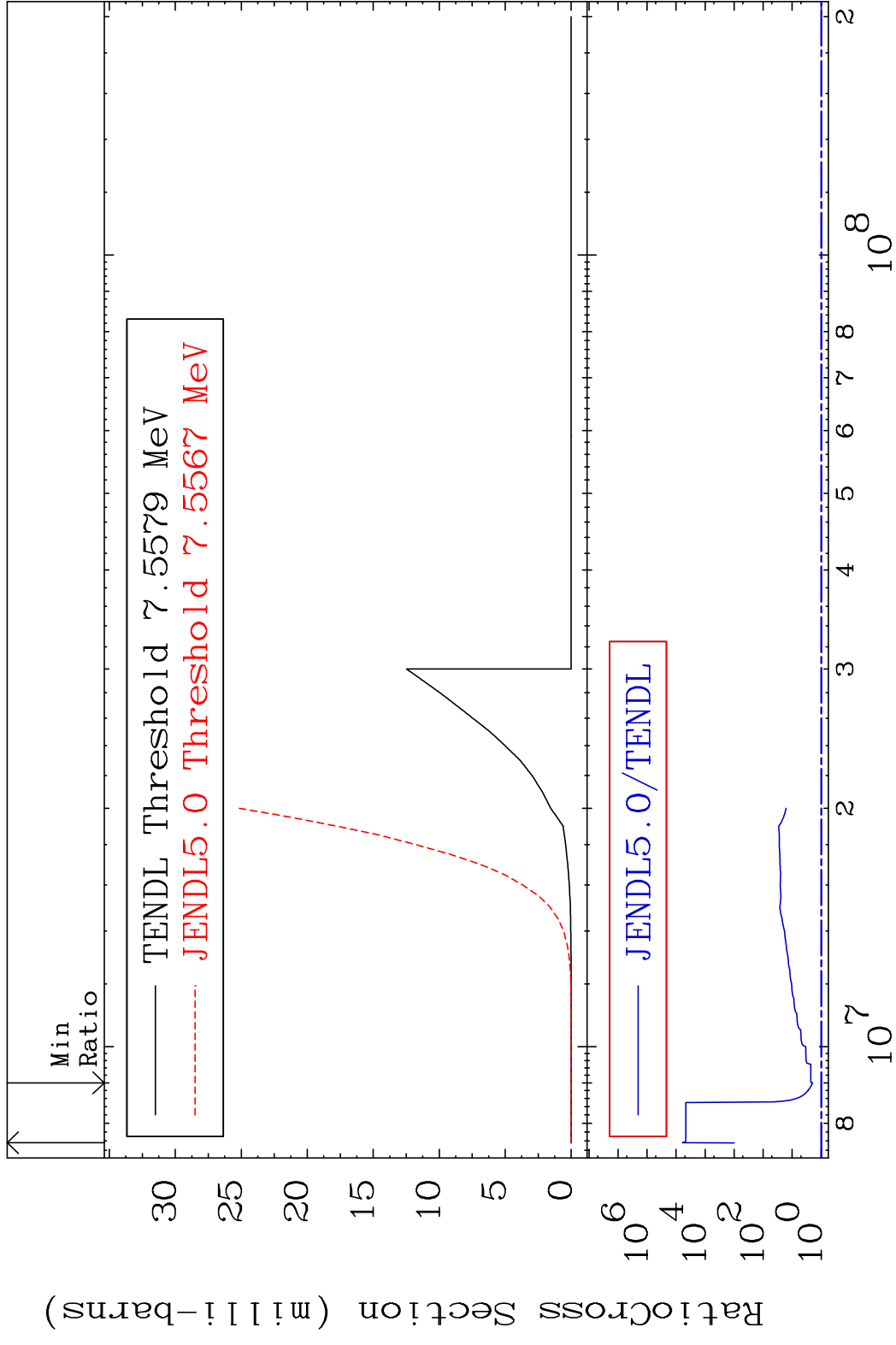
60-Nd-143

MAT 6028 (n,2n)  $\alpha$  60-Nd-143  
 Cross Section -100.0 To 7288. %



7 8 10<sup>7</sup> 2 3 4 5 6 7 8 10<sup>8</sup> 2 60-Nd-143

MAT 6028 (n, n') p 60-Nd-143  
 Cross Section 98.44 To 9999. %



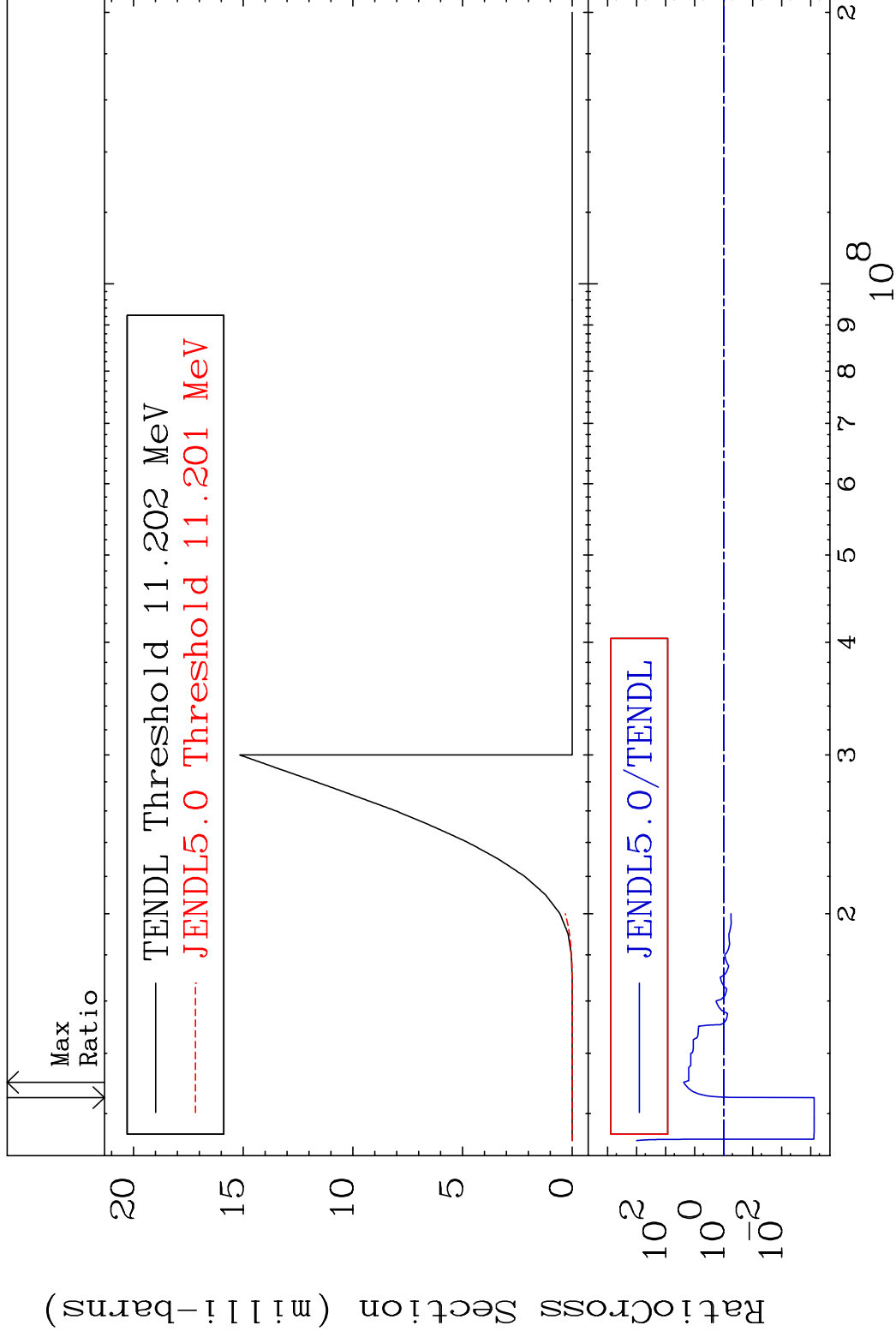
8 8 Incident Energy (eV) 60-Nd-143

MAT 6028

(n, n') d

60-Nd-143

Cross Section -99.92 To 2294. %

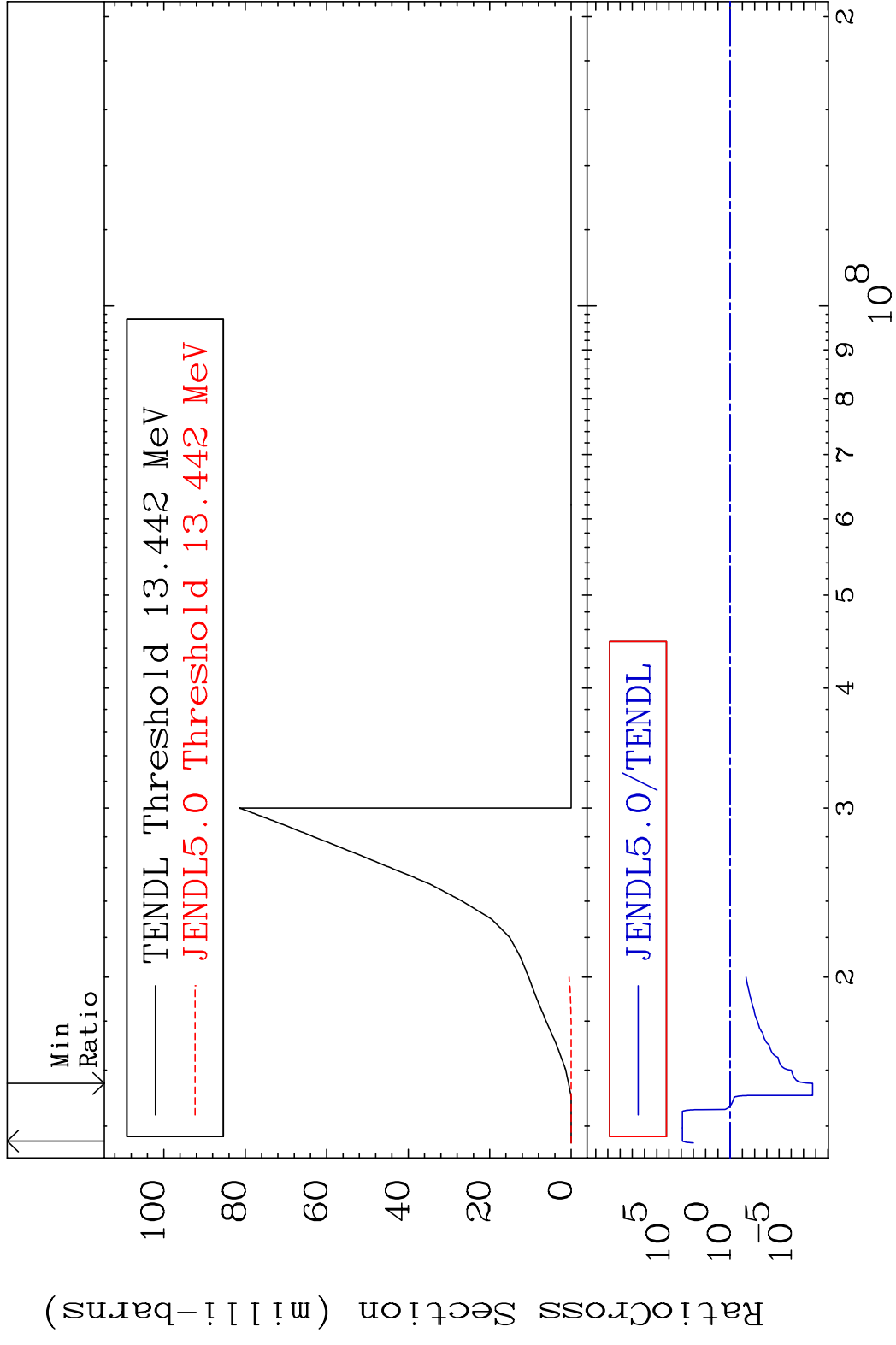


9

Incident Energy (eV)

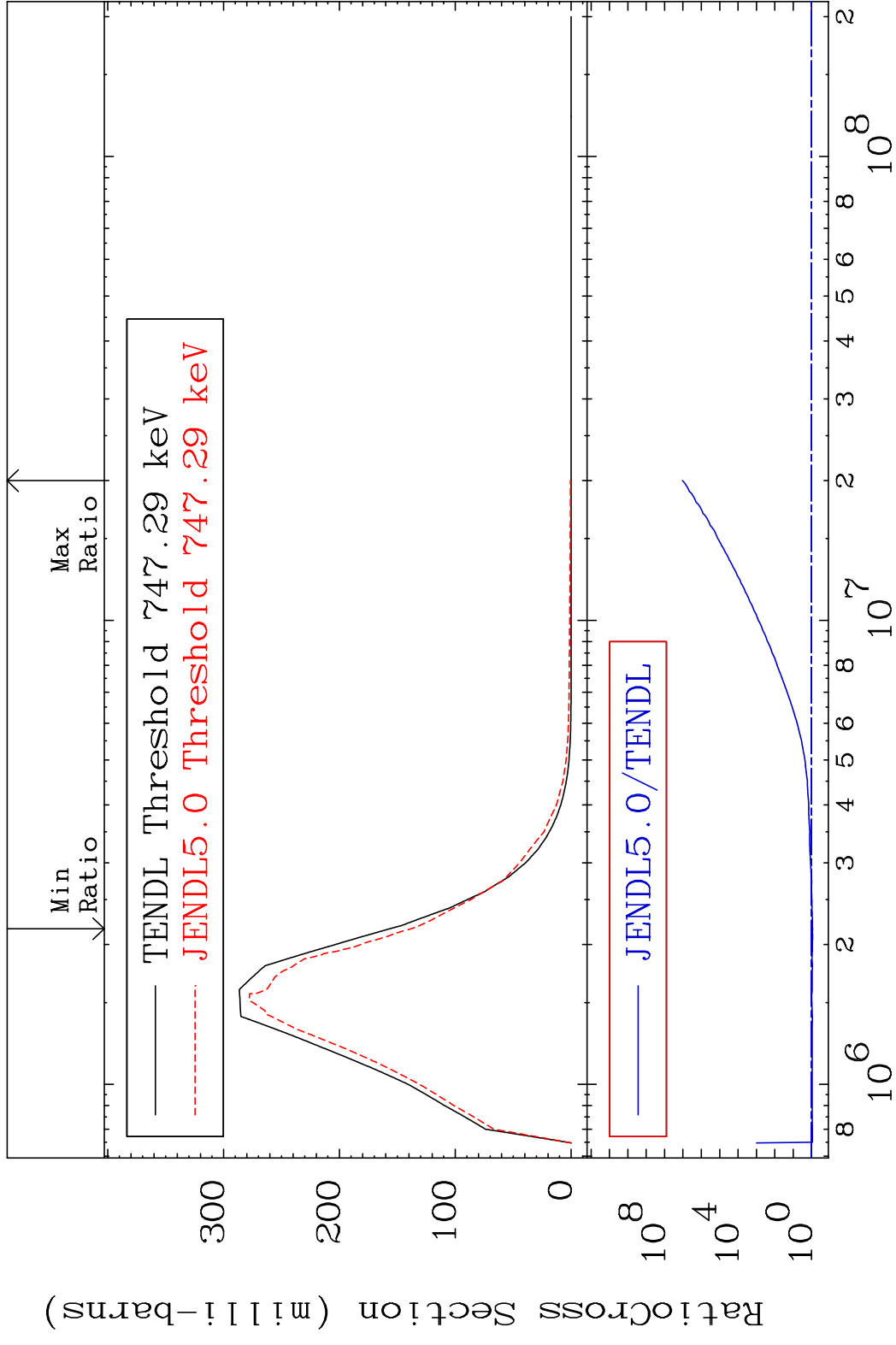
60-Nd-143

MAT 6028 (n,2n) p 60-Nd-143  
 Cross Section -100.0 To 9999. %

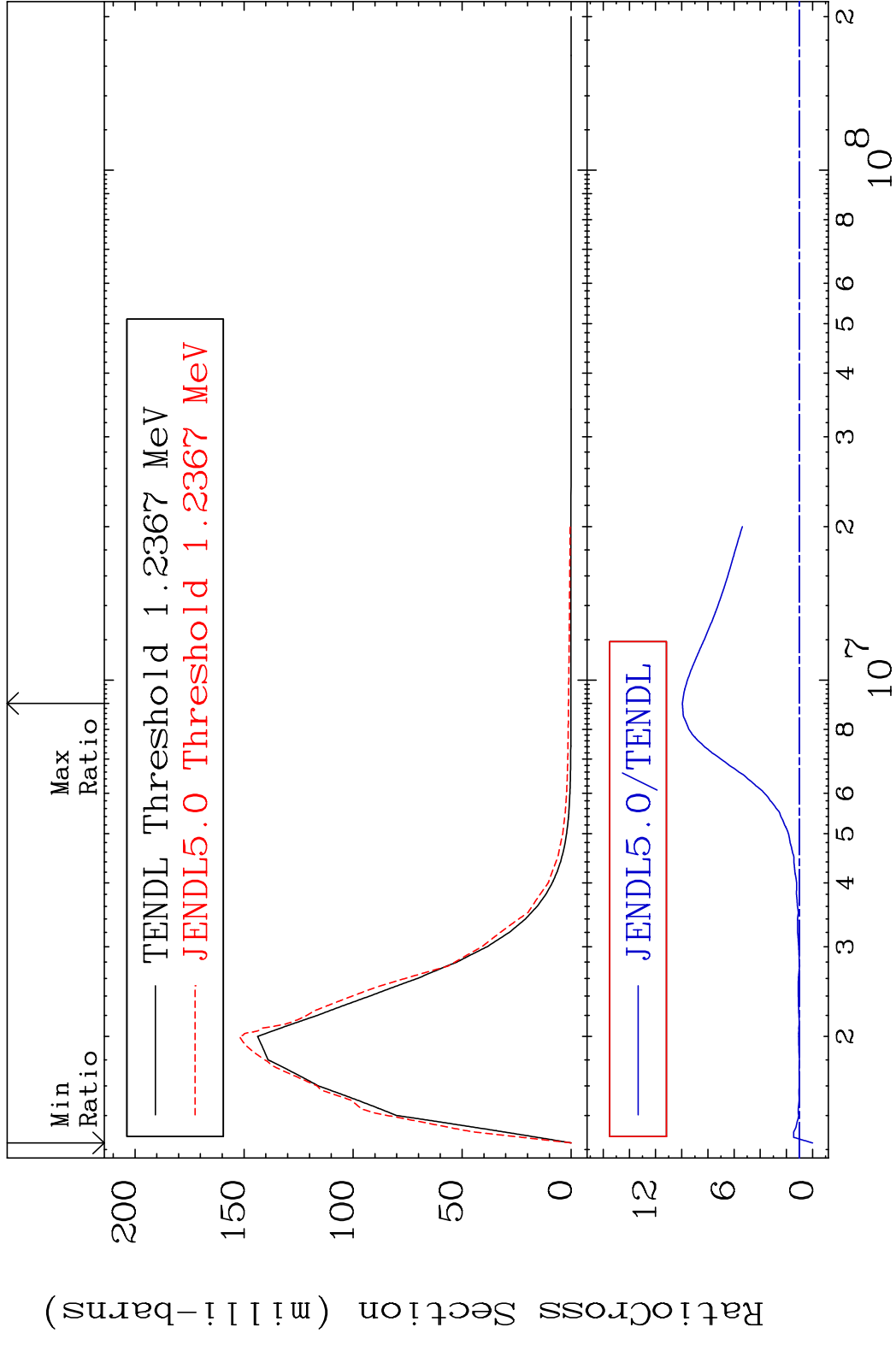


10 Incident Energy (eV) 60-Nd-143

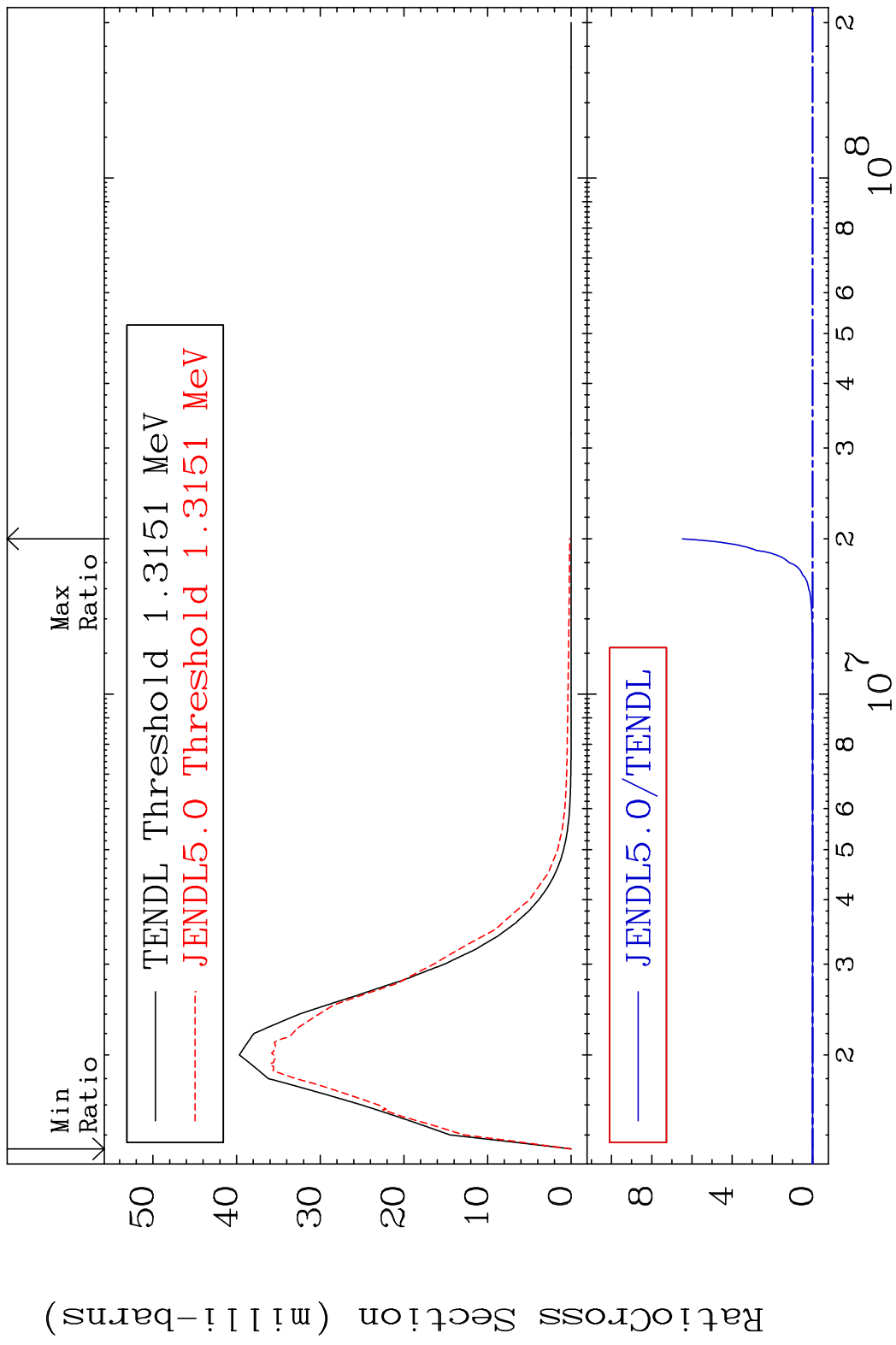
MAT 6028 MT= 51 (n, n') Level 60-Nd-143  
 Cross Section -11.90 To 9999. %



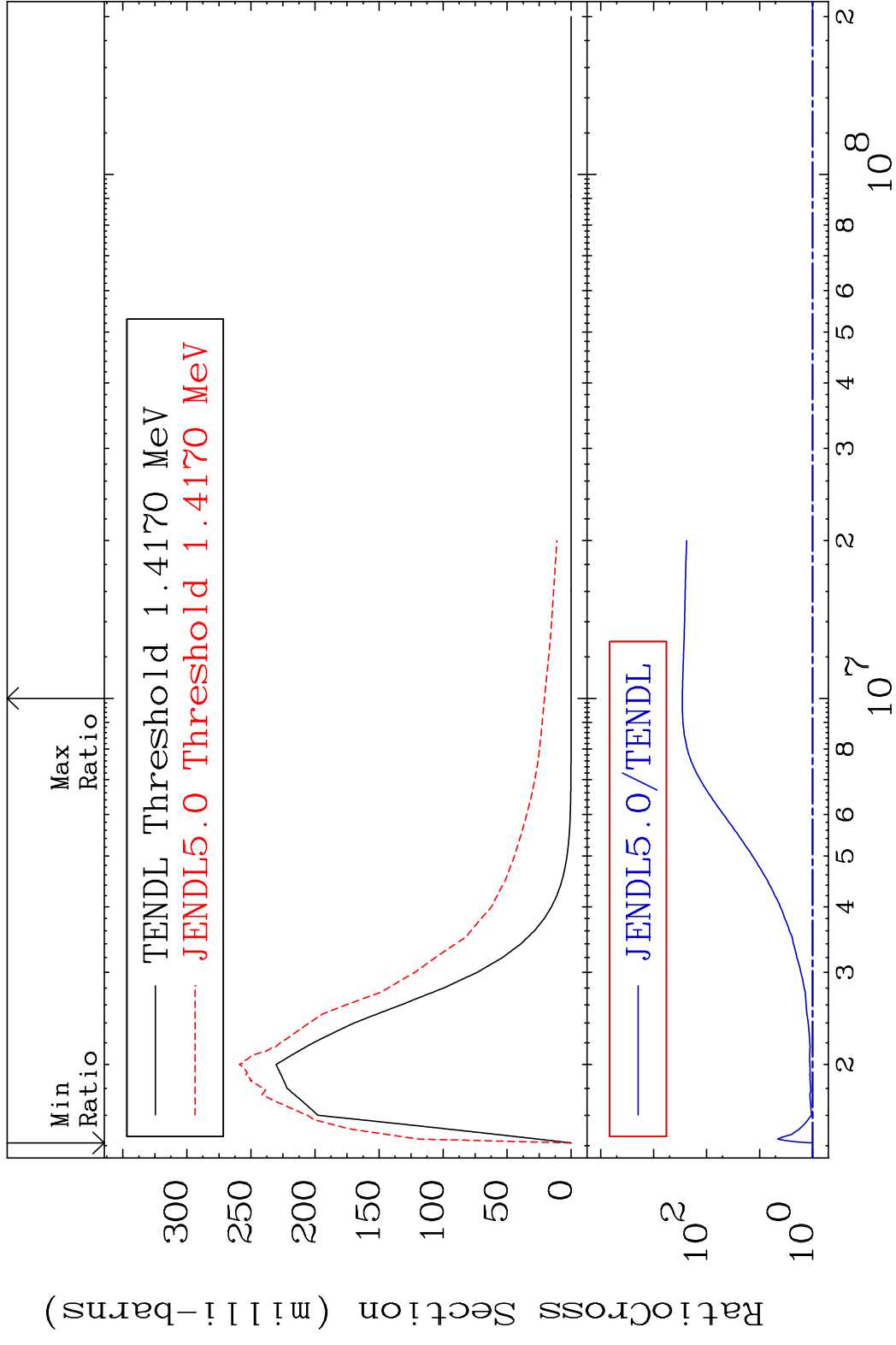
MAT 6028 MT= 52 (n, n') Level 60-Nd-143  
 Cross Section -100.0 To 895.4 %



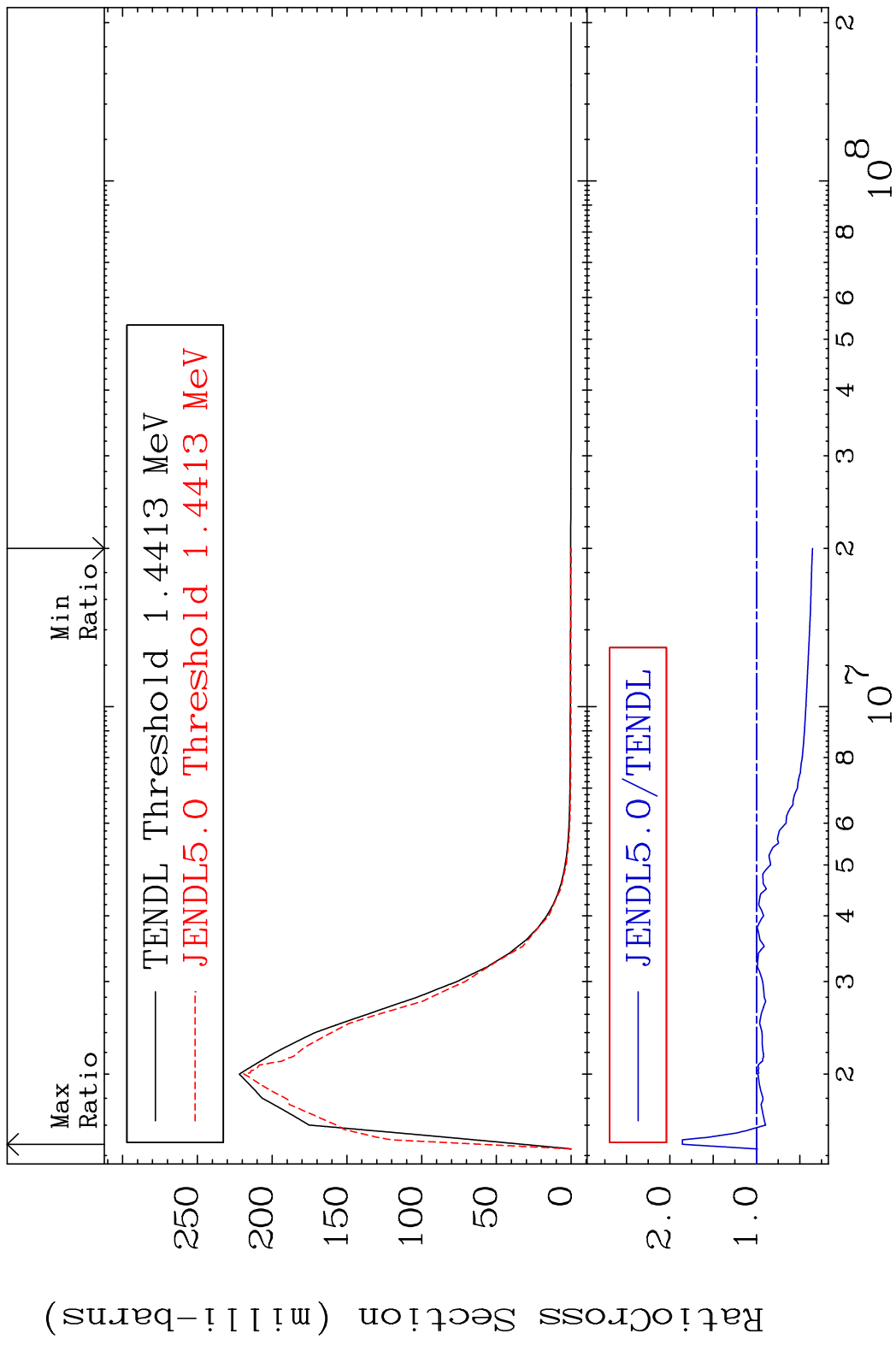
MAT 6028 MT= 53 (n, n') Level 60-Nd-143  
 Cross Section -100.0 To 9999. %



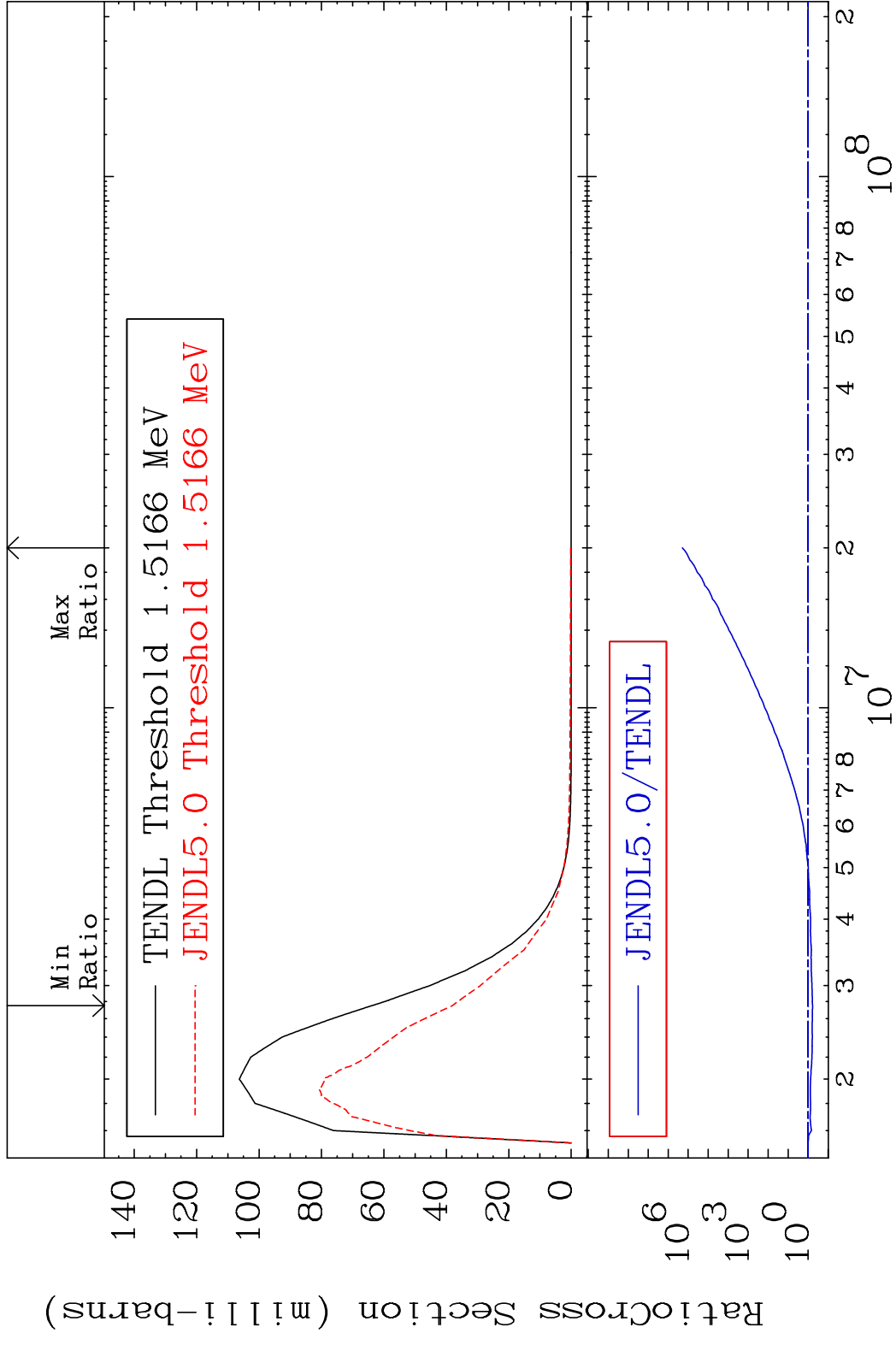
MAT 6028 MT= 54 (n, n') Level 60-Nd-143  
 Cross Section 0.000 To 9999. %



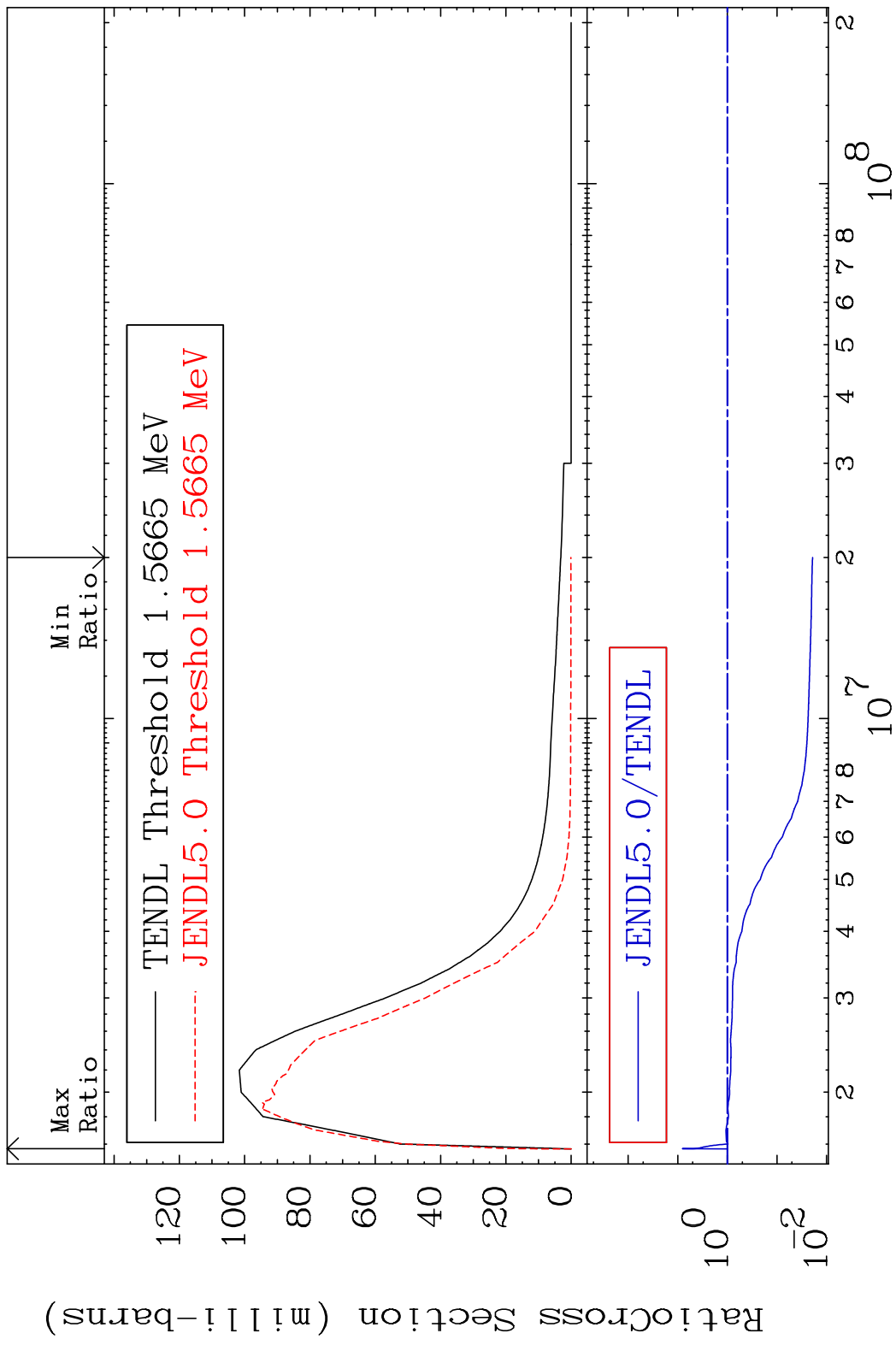
MAT 6028 MT= 55 (n, n') Level 60-Nd-143  
 Cross Section -64.72 To 85.63 %



MAT 6028 MT= 56 (n, n') Level 60-Nd-143  
 Cross Section -40.32 To 9999. %

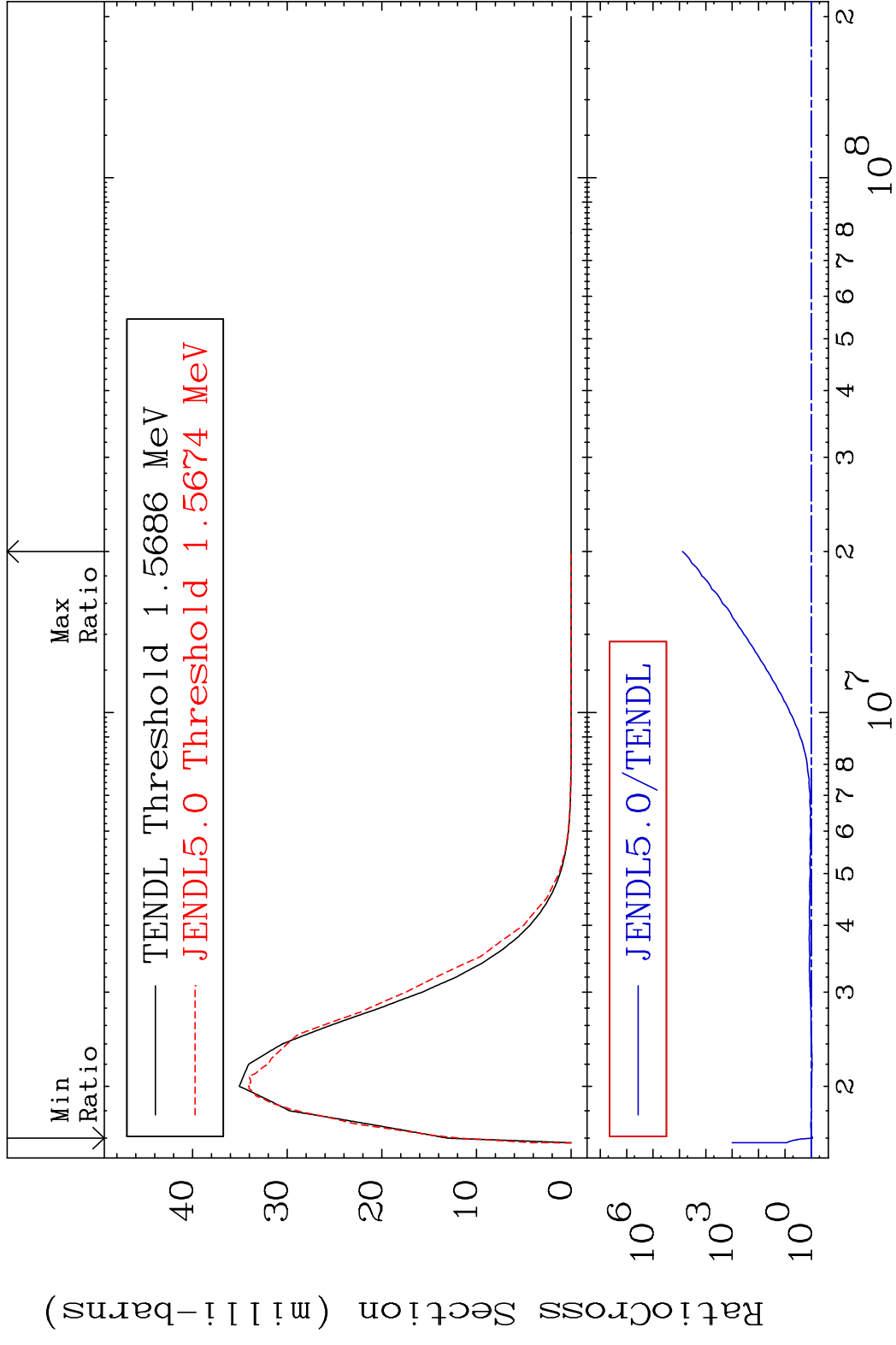


MAT 6028 MT= 57 (n, n') Level 60-Nd-143  
 Cross Section -98.08 To 707.1 %

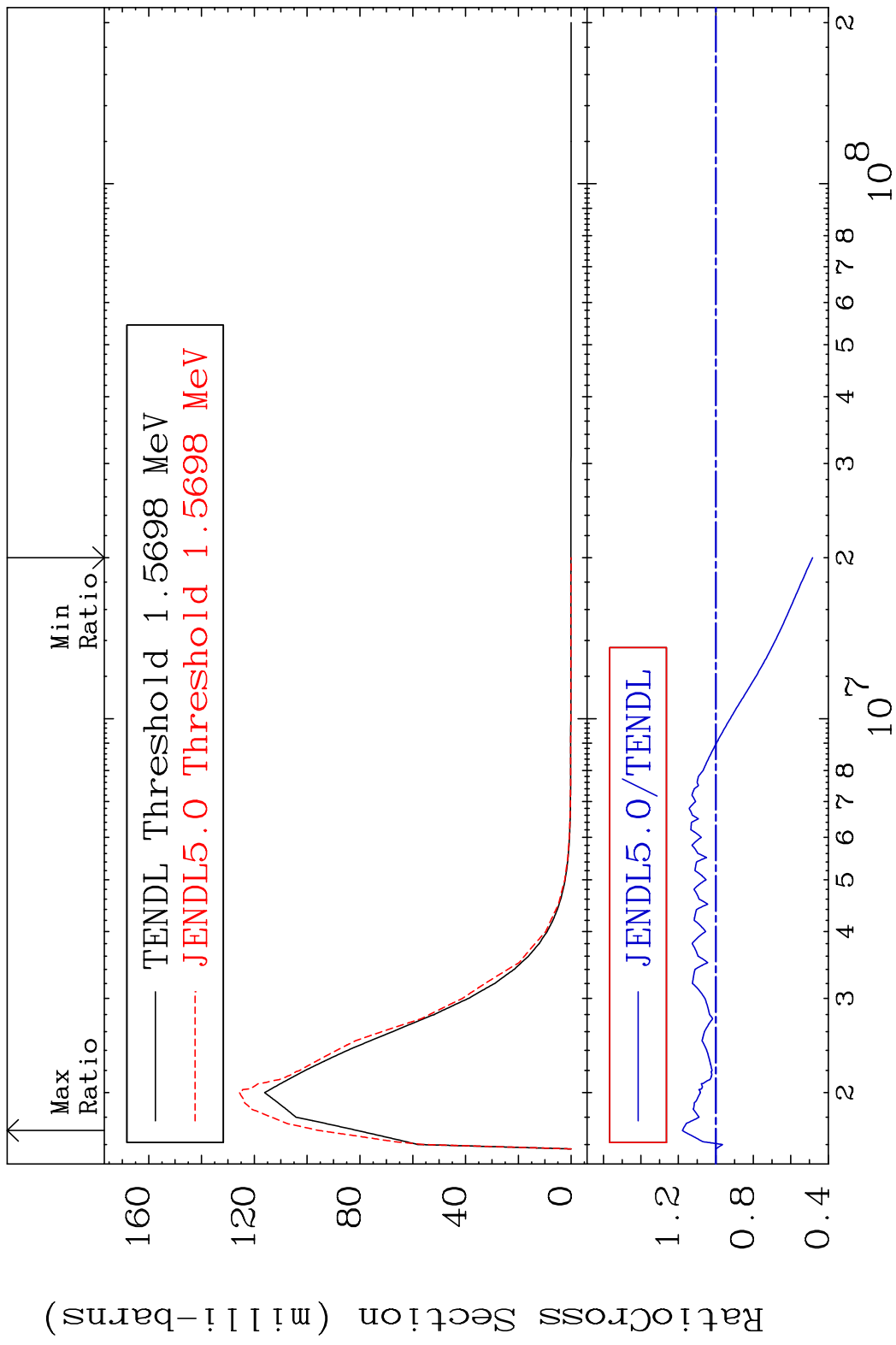


17 Incident Energy (eV) 60-Nd-143

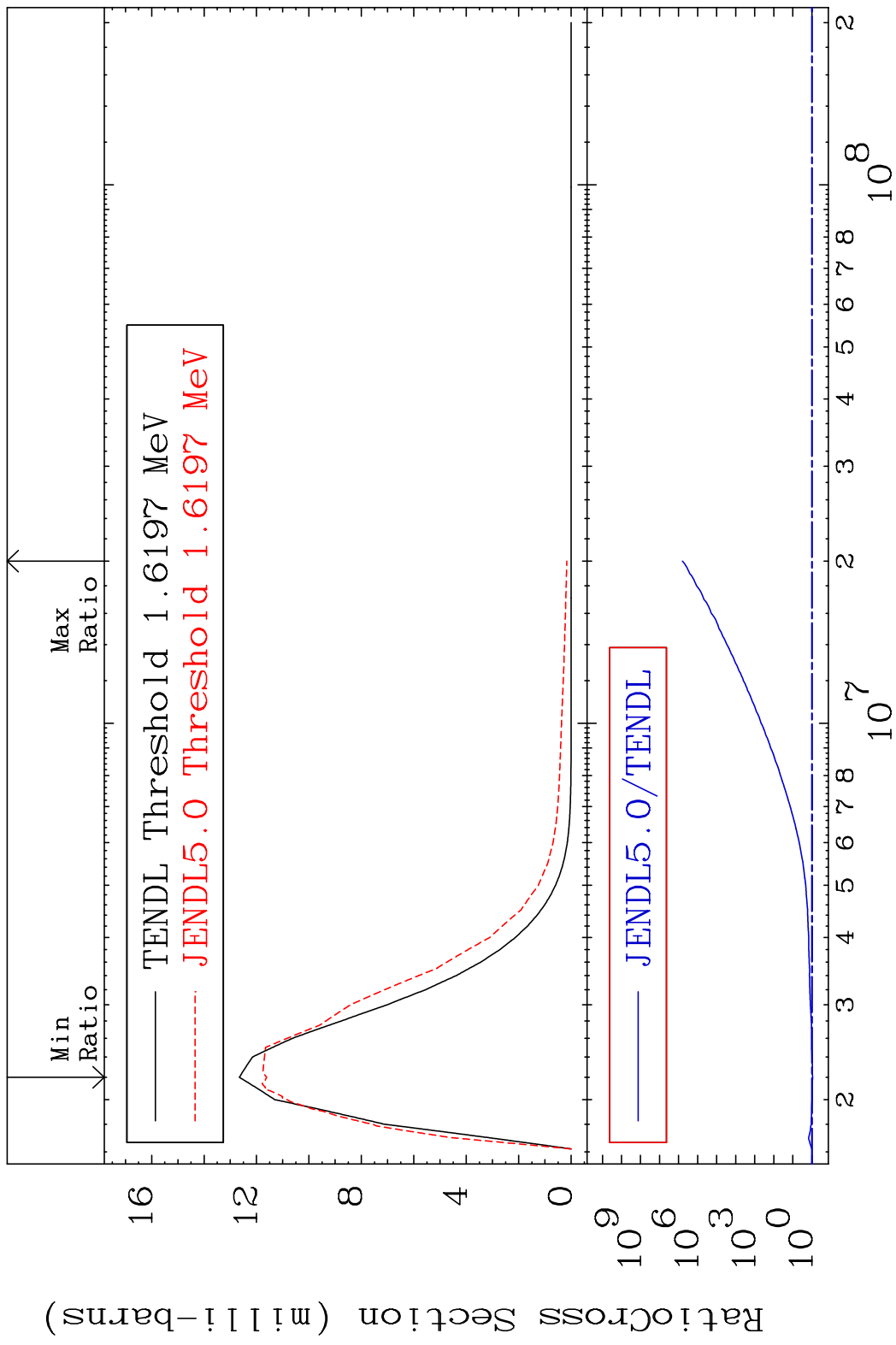
MAT 6028 MT= 58 (n, n') Level 60-Nd-143  
 Cross Section -9.613 To 9999. %



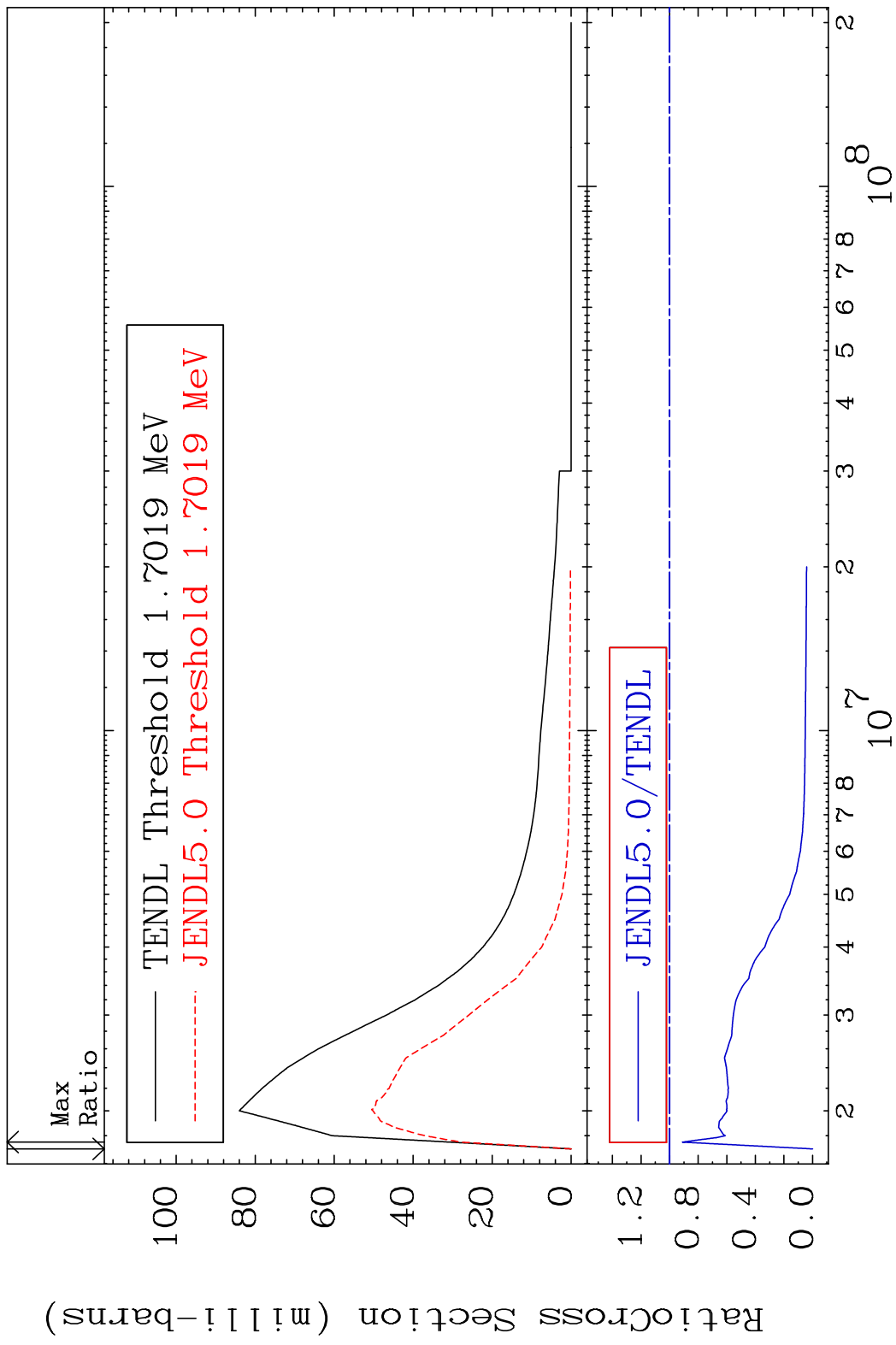
MAT 6028 MT= 59 (n, n') Level 60-Nd-143  
 Cross Section -51.62 To 17.87 %



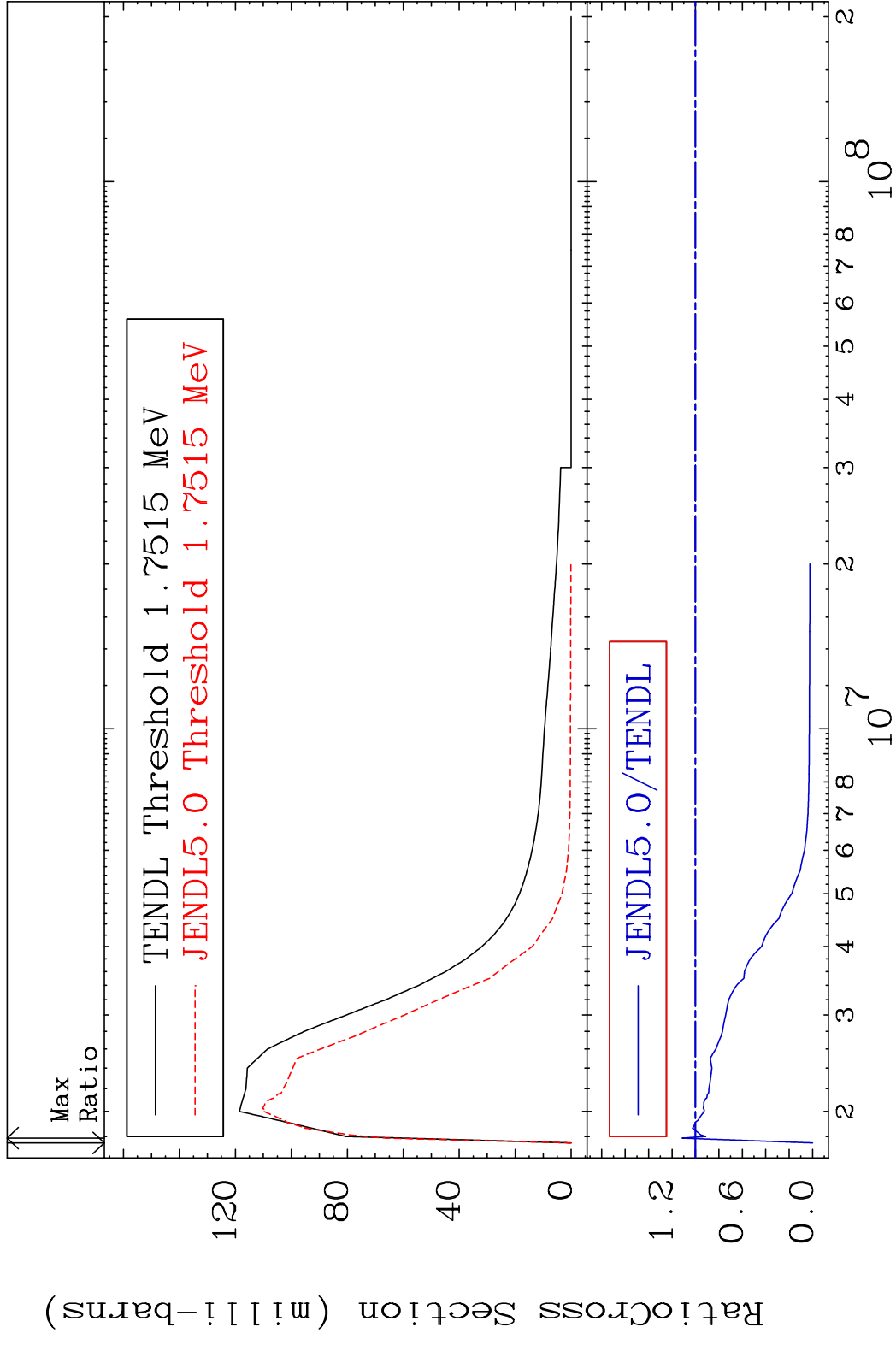
MAT 6028 MT= 60 (n, n') Level 60-Nd-143  
 Cross Section -8.194 To 9999. %



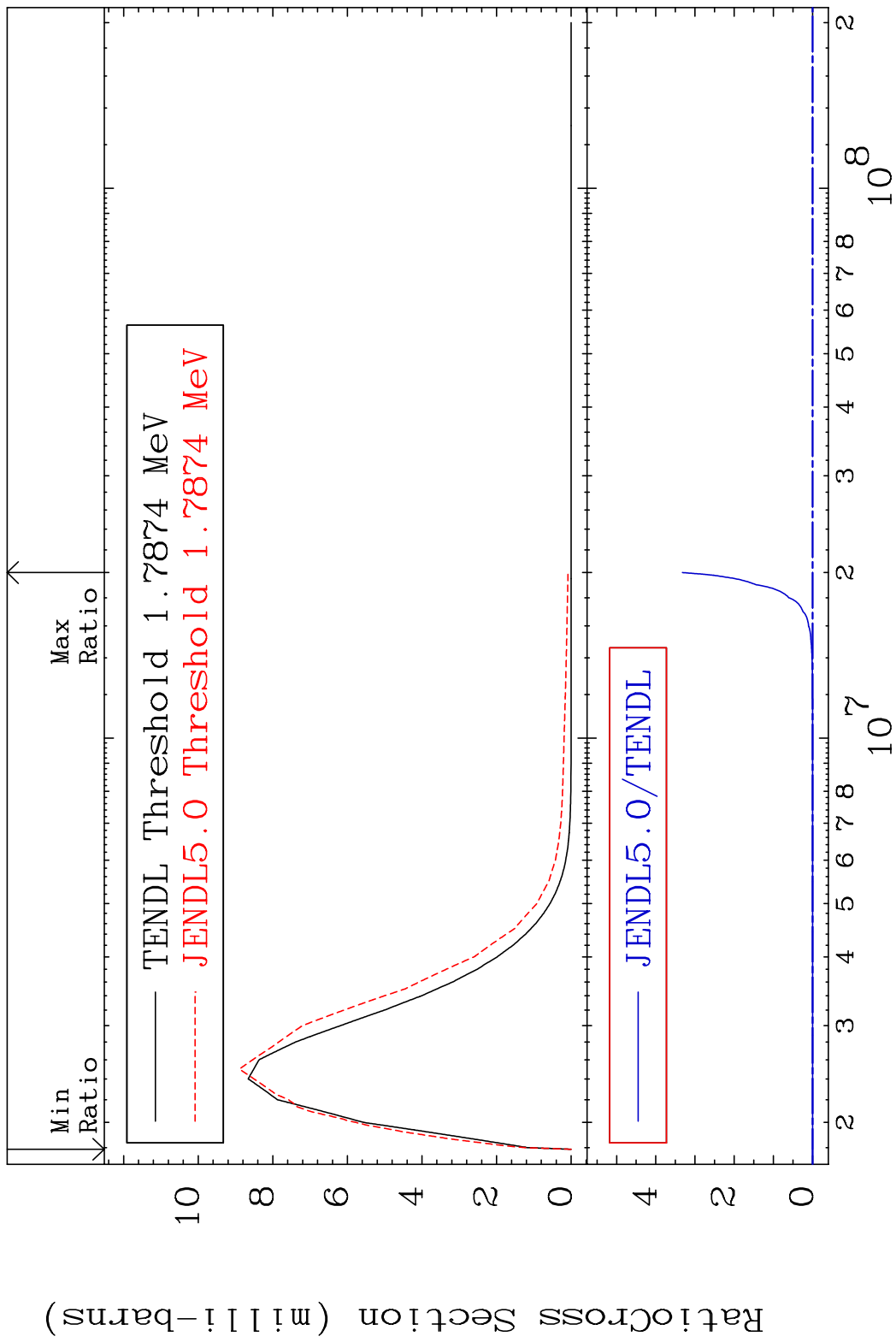
MAT 6028 MT= 61 (n, n') Level 60-Nd-143  
 Cross Section -100.0 To -8.910%



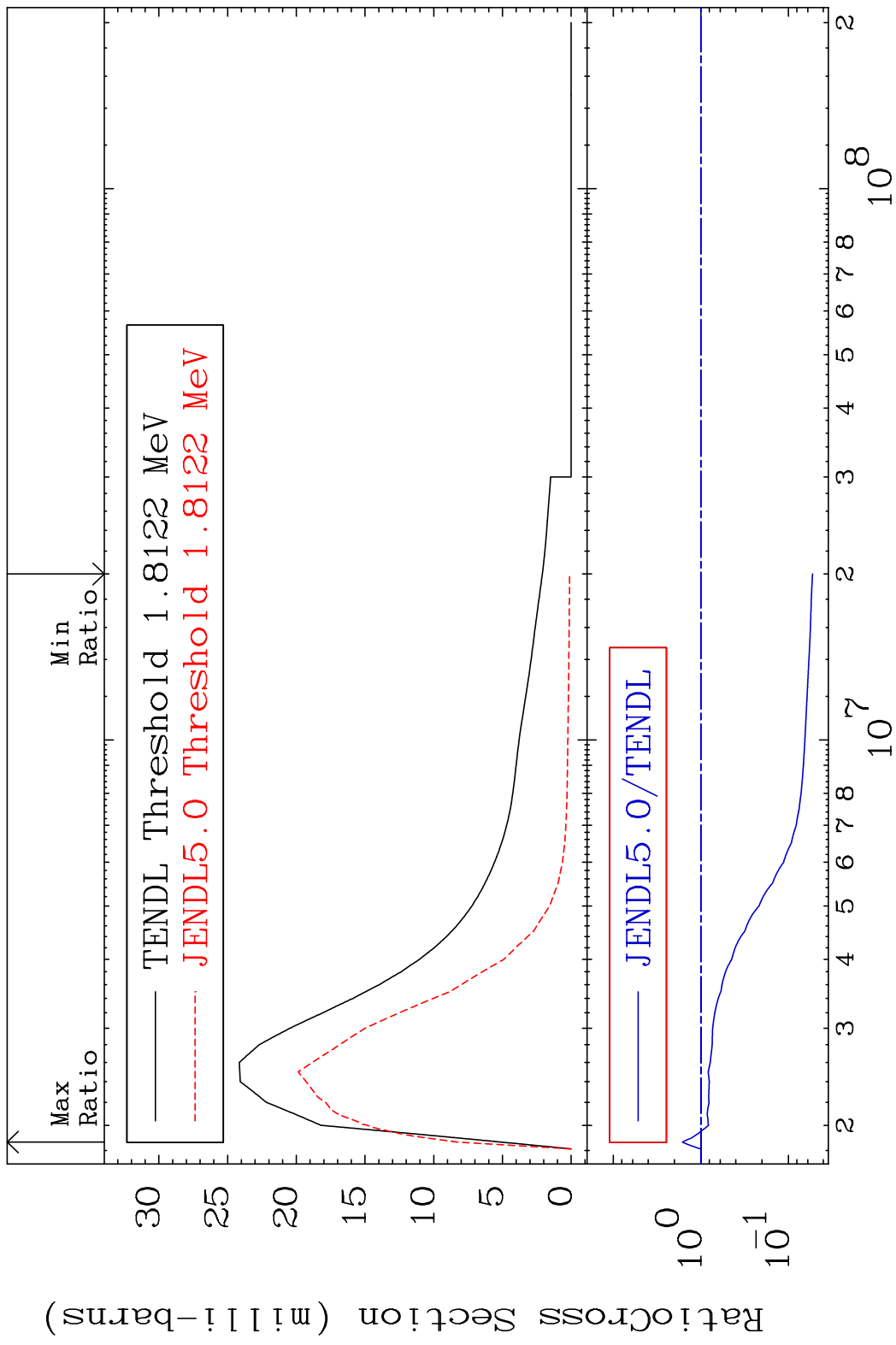
MAT 6028 MT= 62 (n, n') Level 60-Nd-143  
 Cross Section -100.0 To 11.19 %



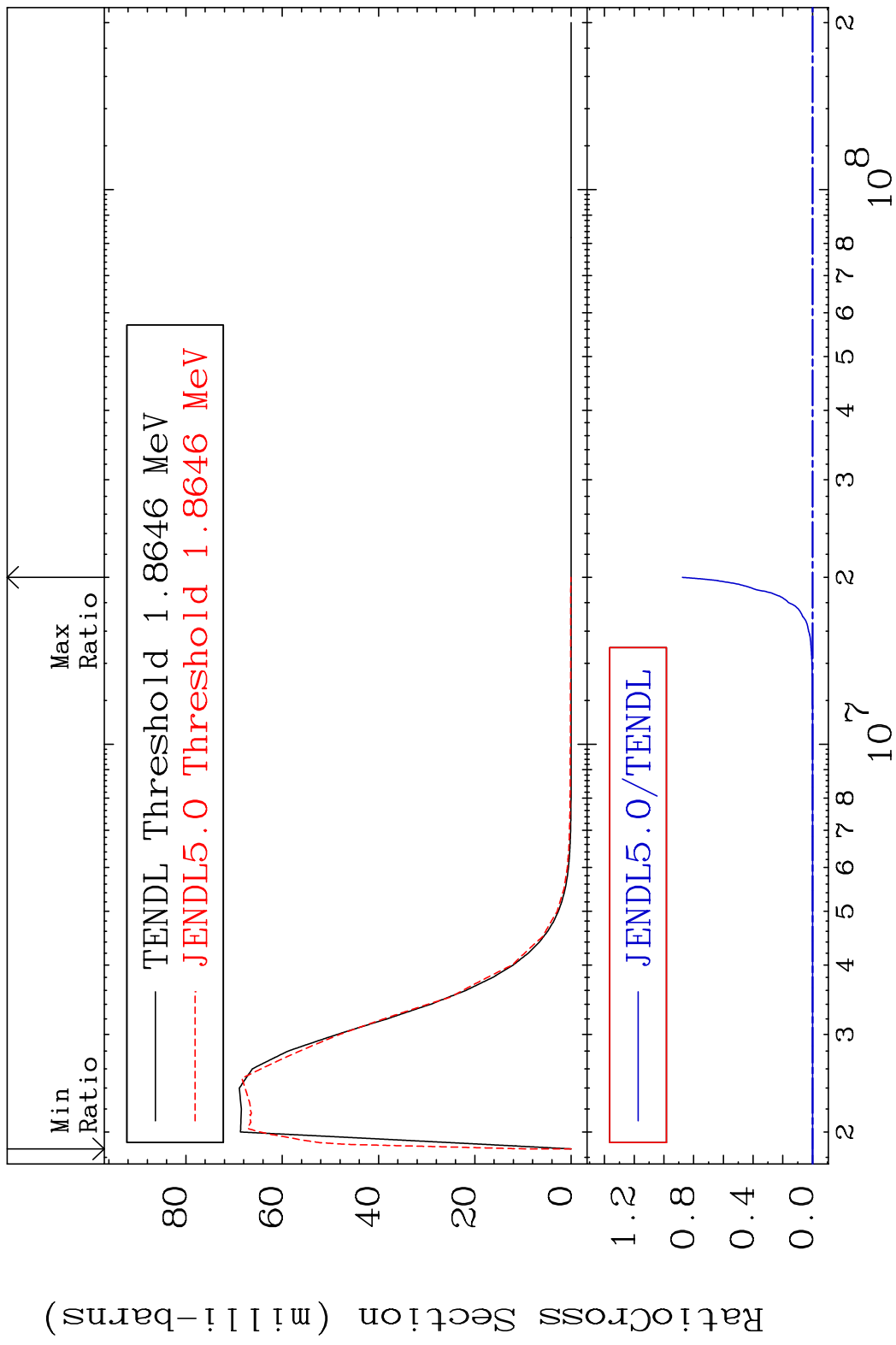
MAT 6028 MT= 63 (n, n') Level 60-Nd-143  
 Cross Section -100.0 To 9999. %



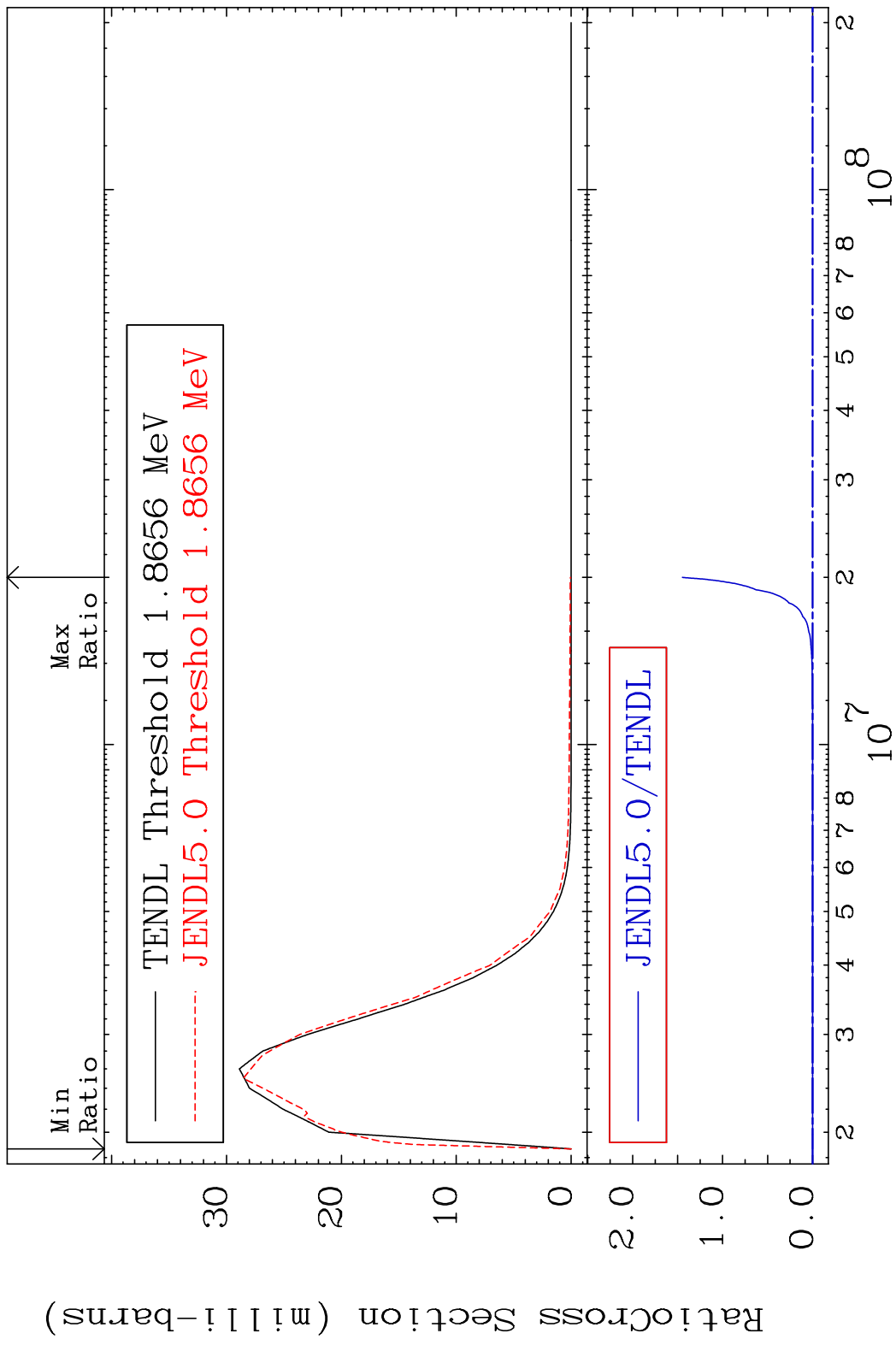
MAT 6028 MT= 64 (n, n') Level 60-Nd-143  
 Cross Section -94.70 To 62.51 %



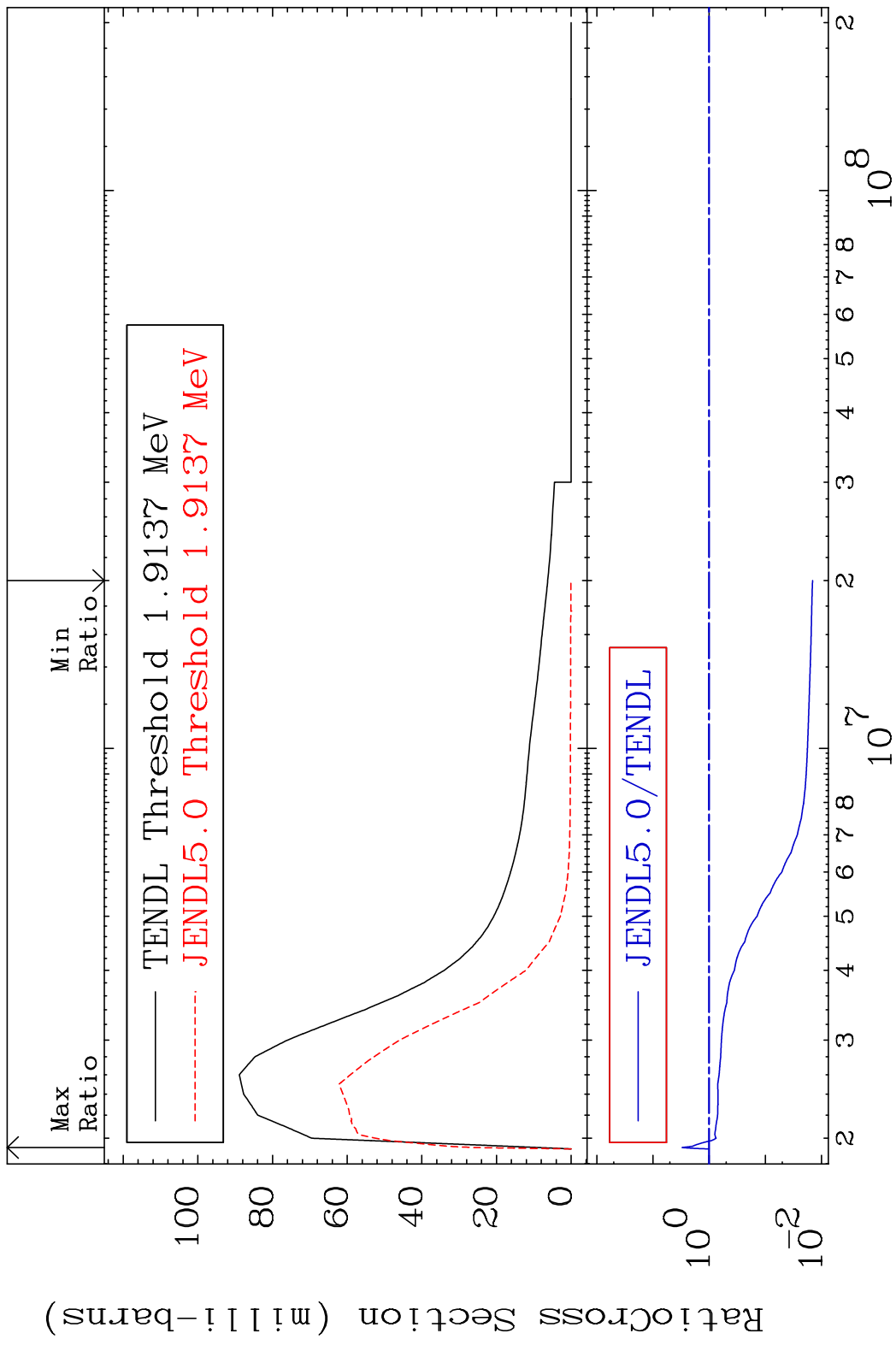
MAT 6028 MT= 65 (n, n') Level 60-Nd-143  
 Cross Section -100.0 To 9999. %



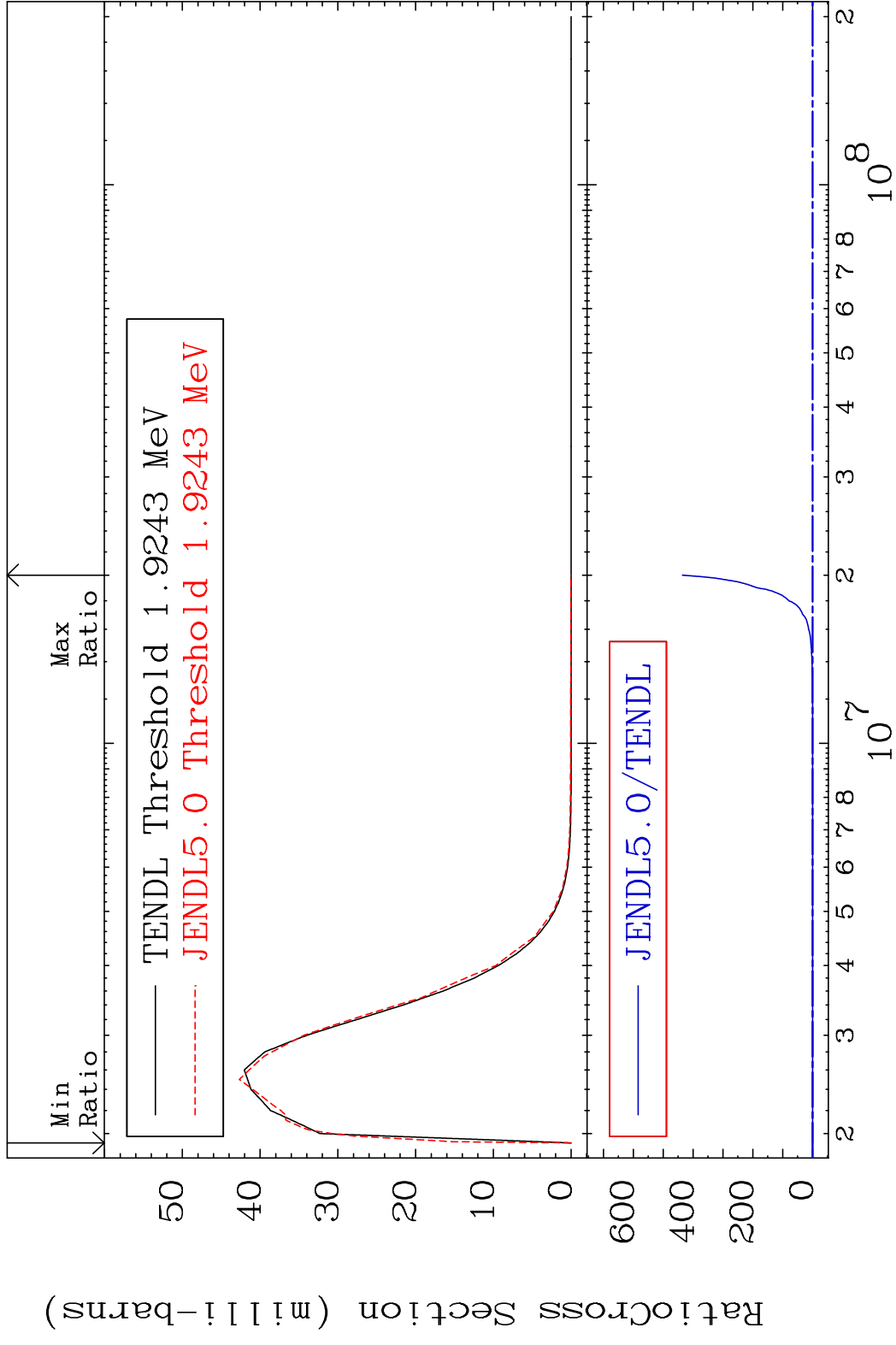
MAT 6028 MT= 66 (n, n') Level 60-Nd-143  
 Cross Section -100.0 To 9999. %



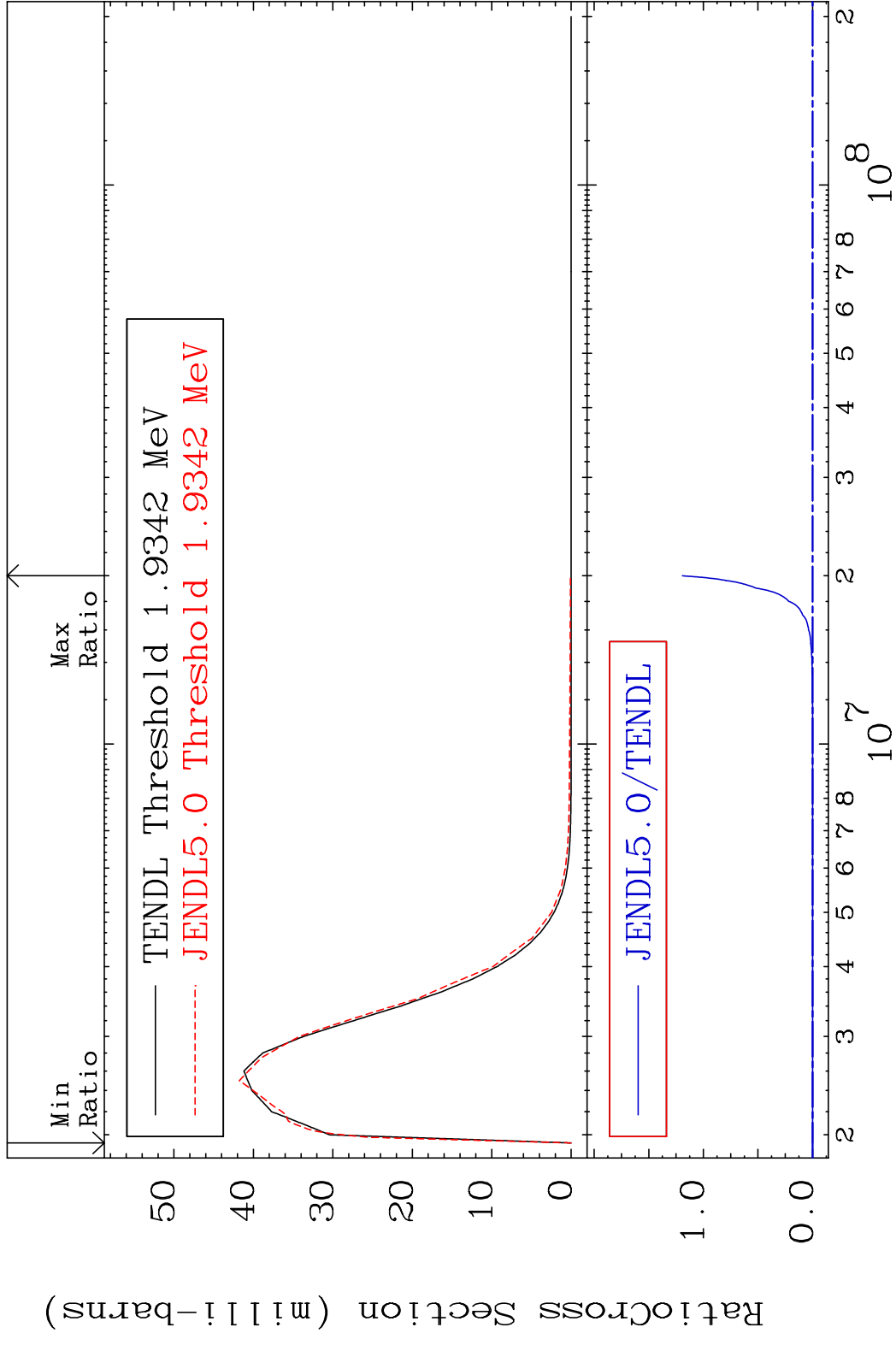
MAT 6028 MT= 67 (n, n') Level 60-Nd-143  
 Cross Section -98.56 To 200.4 %



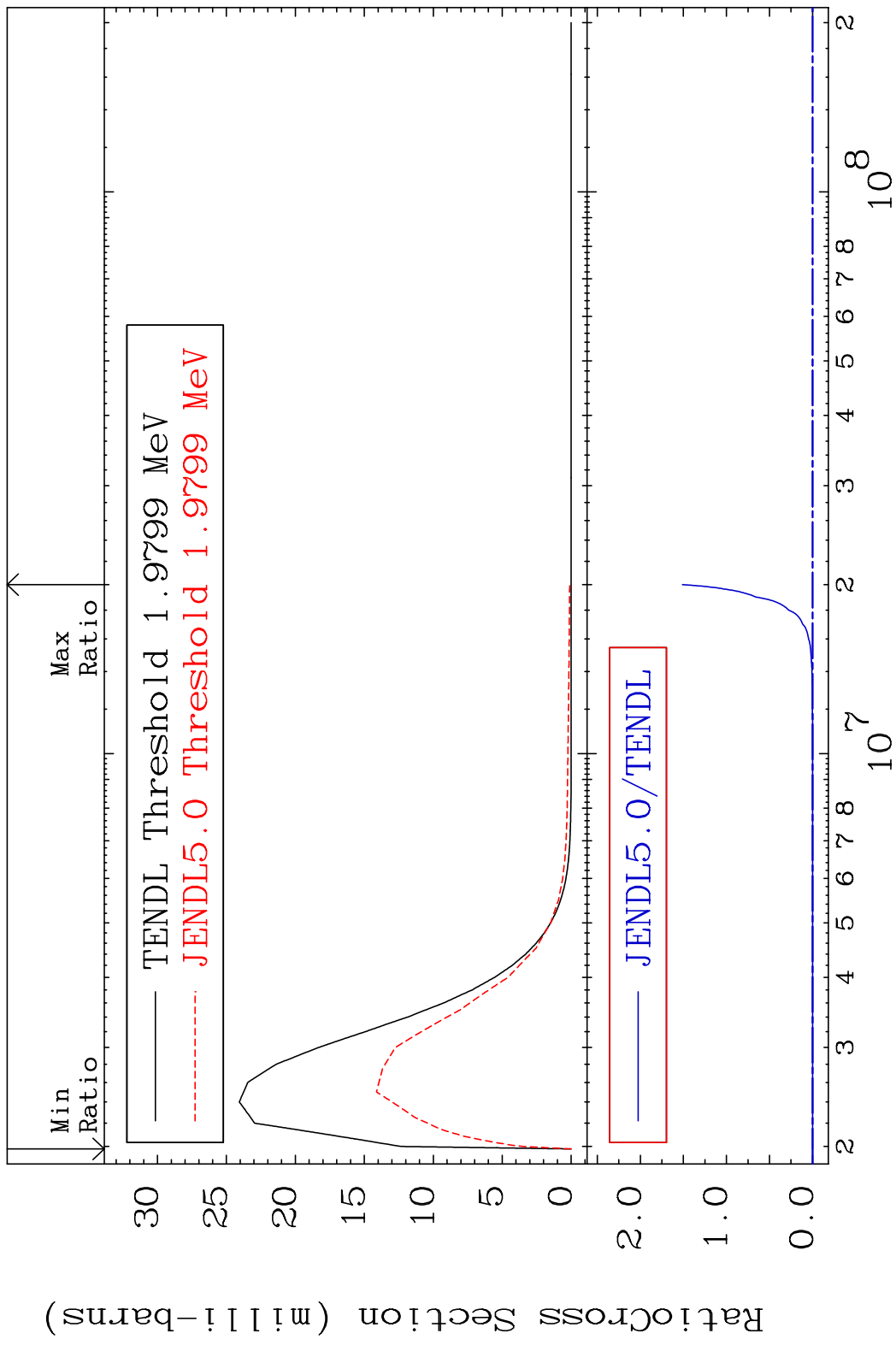
MAT 6028 MT= 68 (n, n') Level 60-Nd-143  
 Cross Section -100.0 To 9999. %



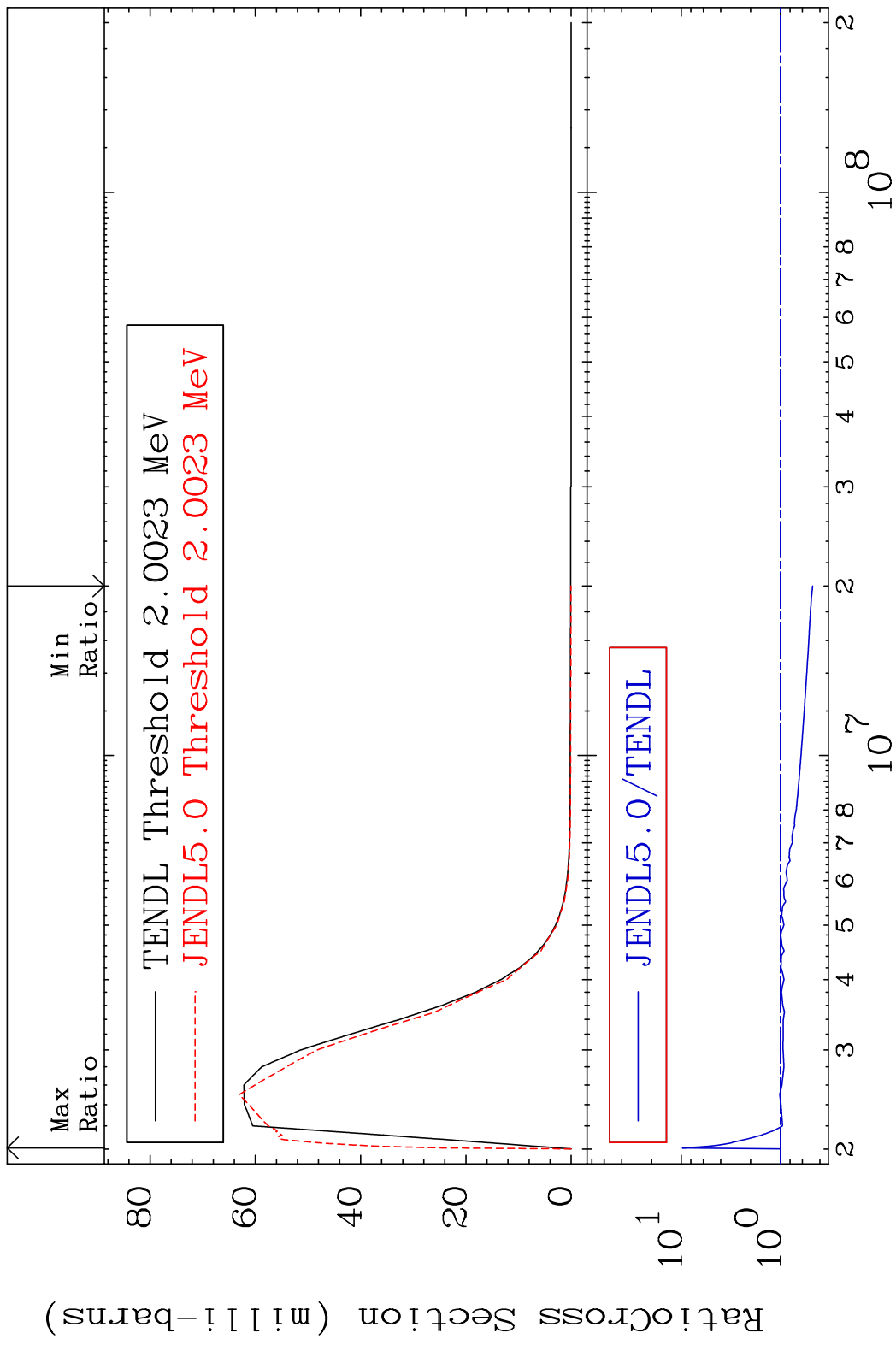
MAT 6028 MT= 69 (n, n') Level 60-Nd-143  
 Cross Section -100.0 To 9999. %



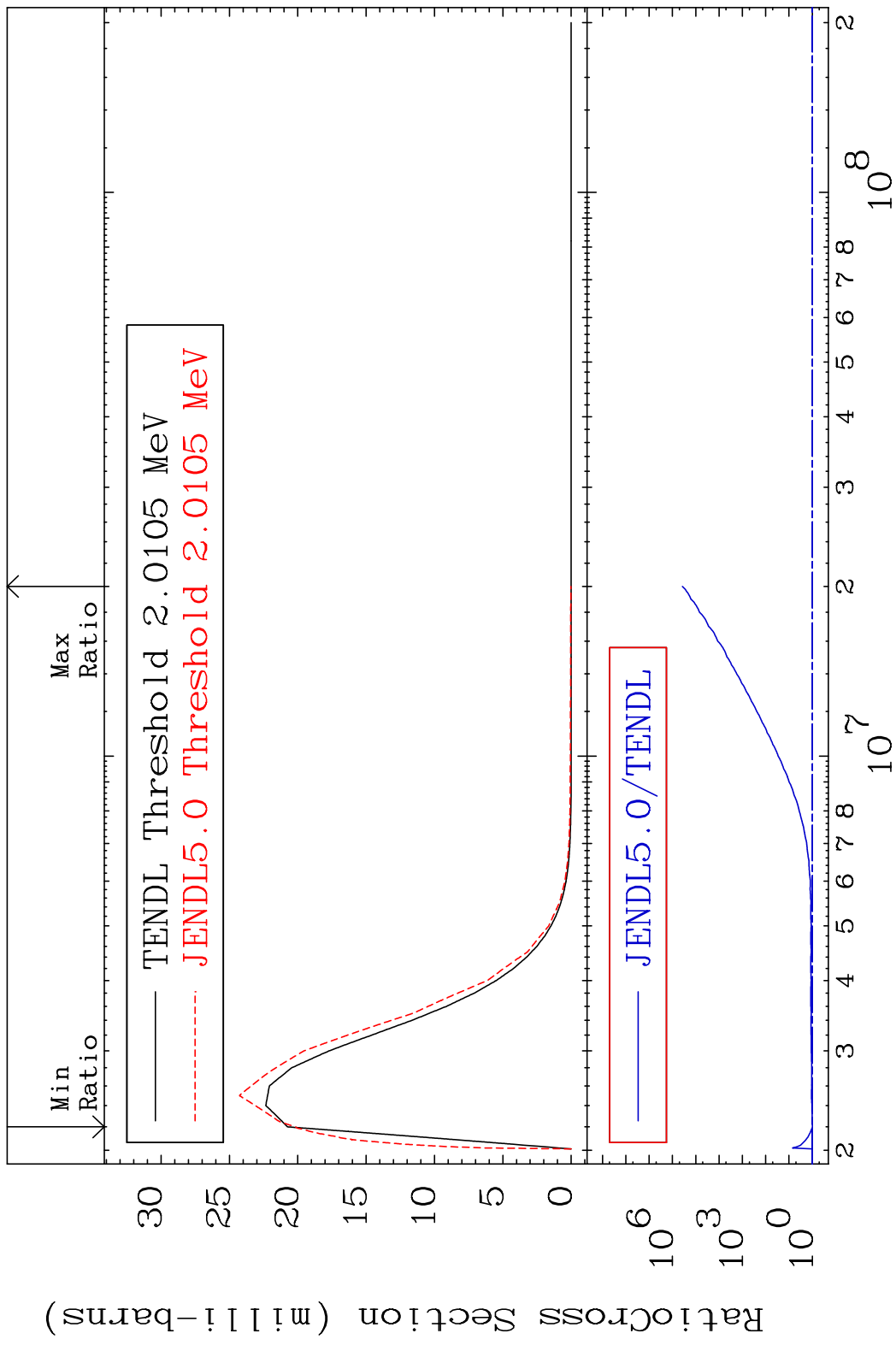
MAT 6028 MT= 70 (n, n') Level 60-Nd-143  
 Cross Section -100.0 To 9999. %



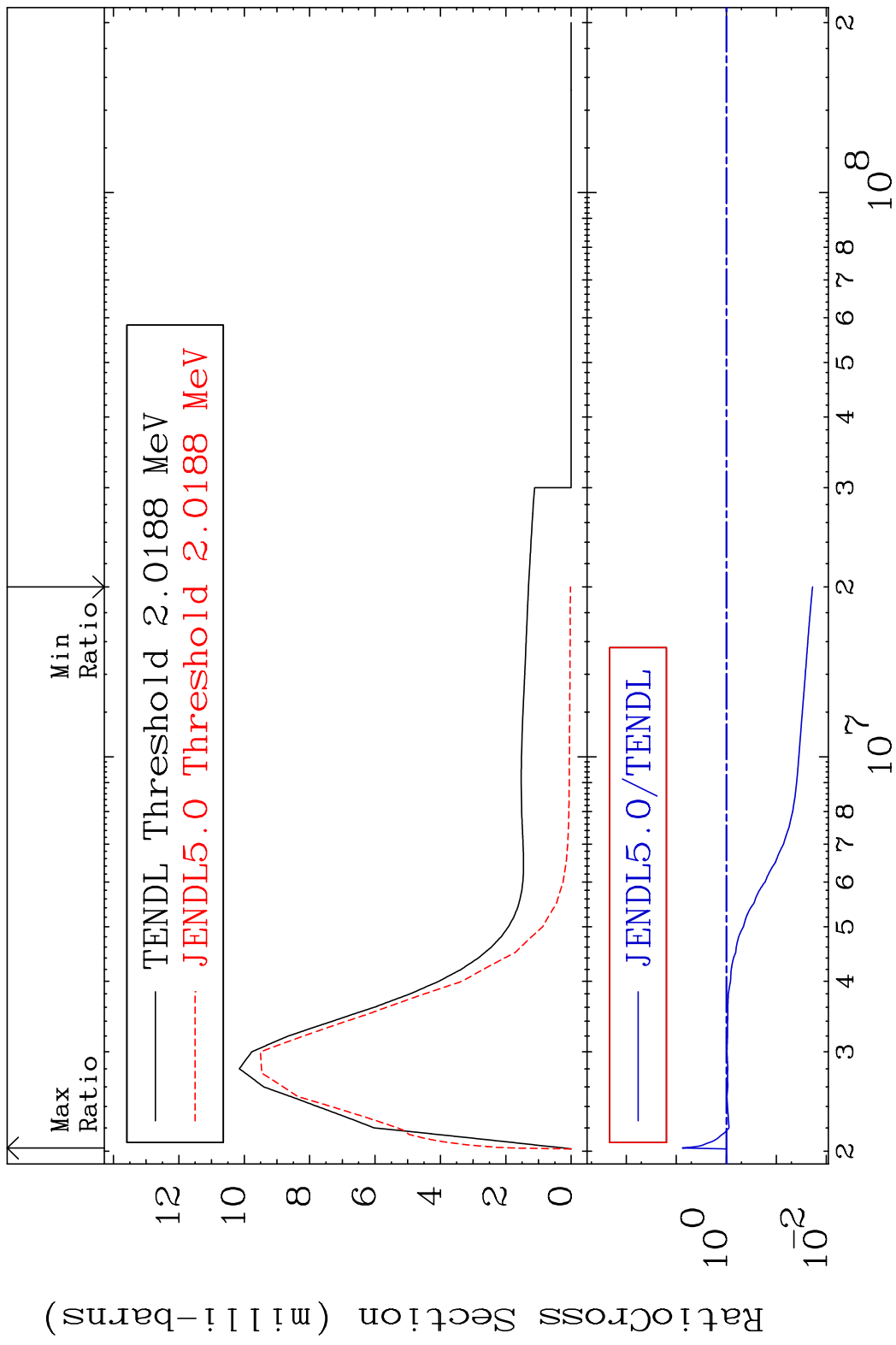
MAT 6028 MT= 71 (n, n') Level 60-Nd-143  
 Cross Section -52.64 To 876.6 %



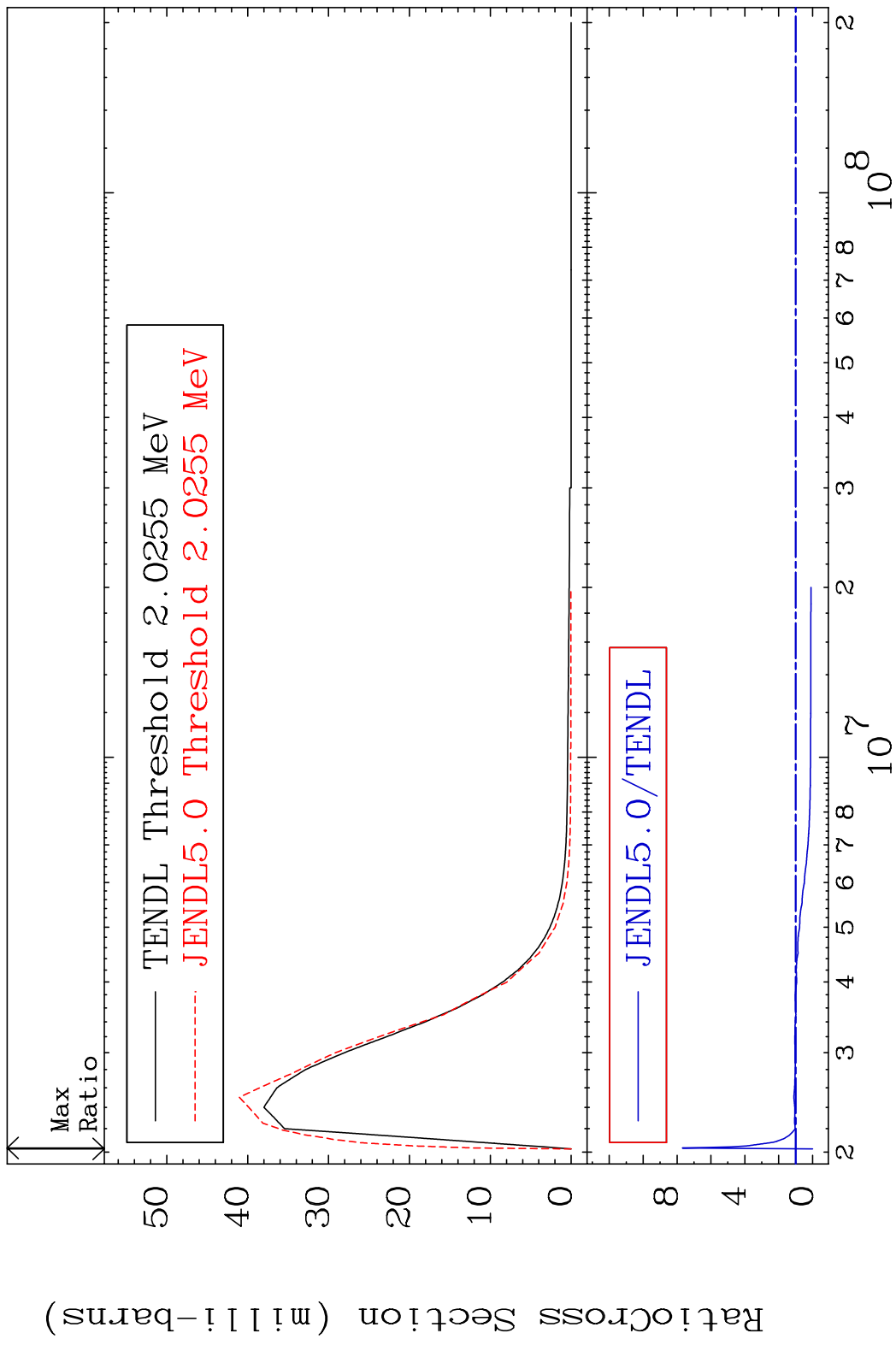
MAT 6028 MT= 72 (n, n') Level 60-Nd-143  
 Cross Section -2.657 To 9999. %



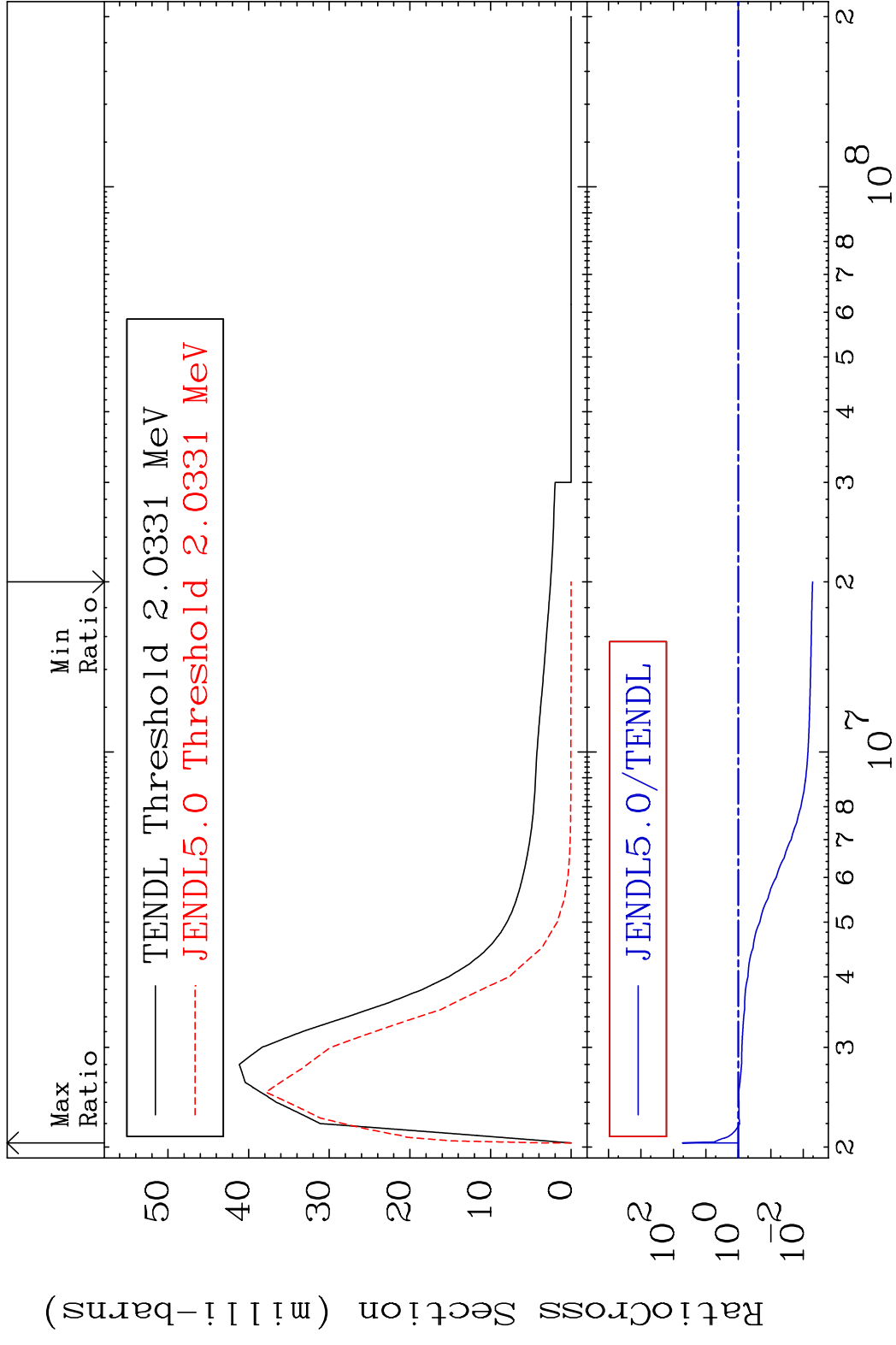
MAT 6028 MT= 73 (n, n') Level 60-Nd-143  
 Cross Section -98.11 To 657.2 %



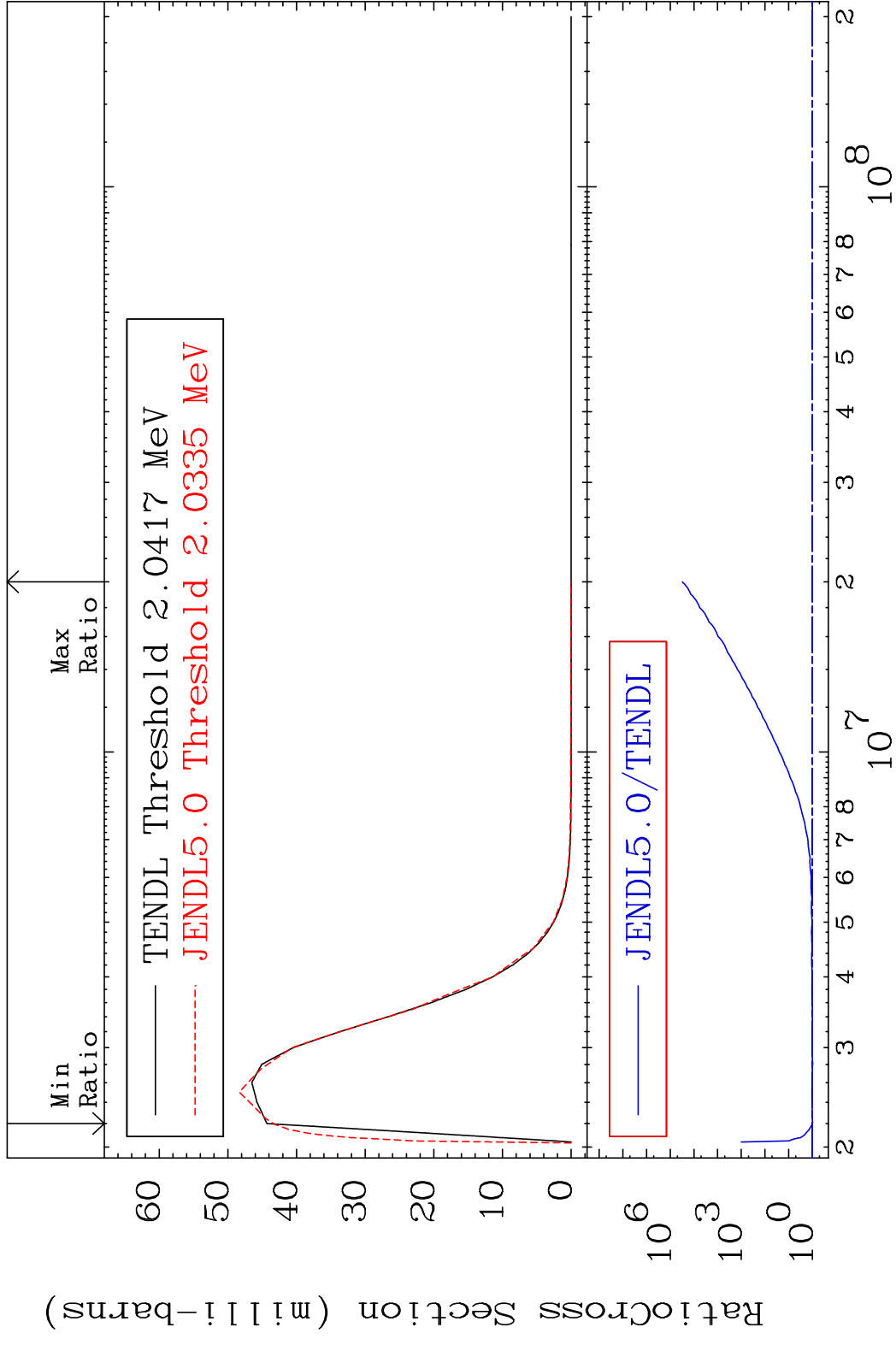
MAT 6028 MT= 74 (n, n') Level 60-Nd-143  
 Cross Section -100.0 To 668.6 %



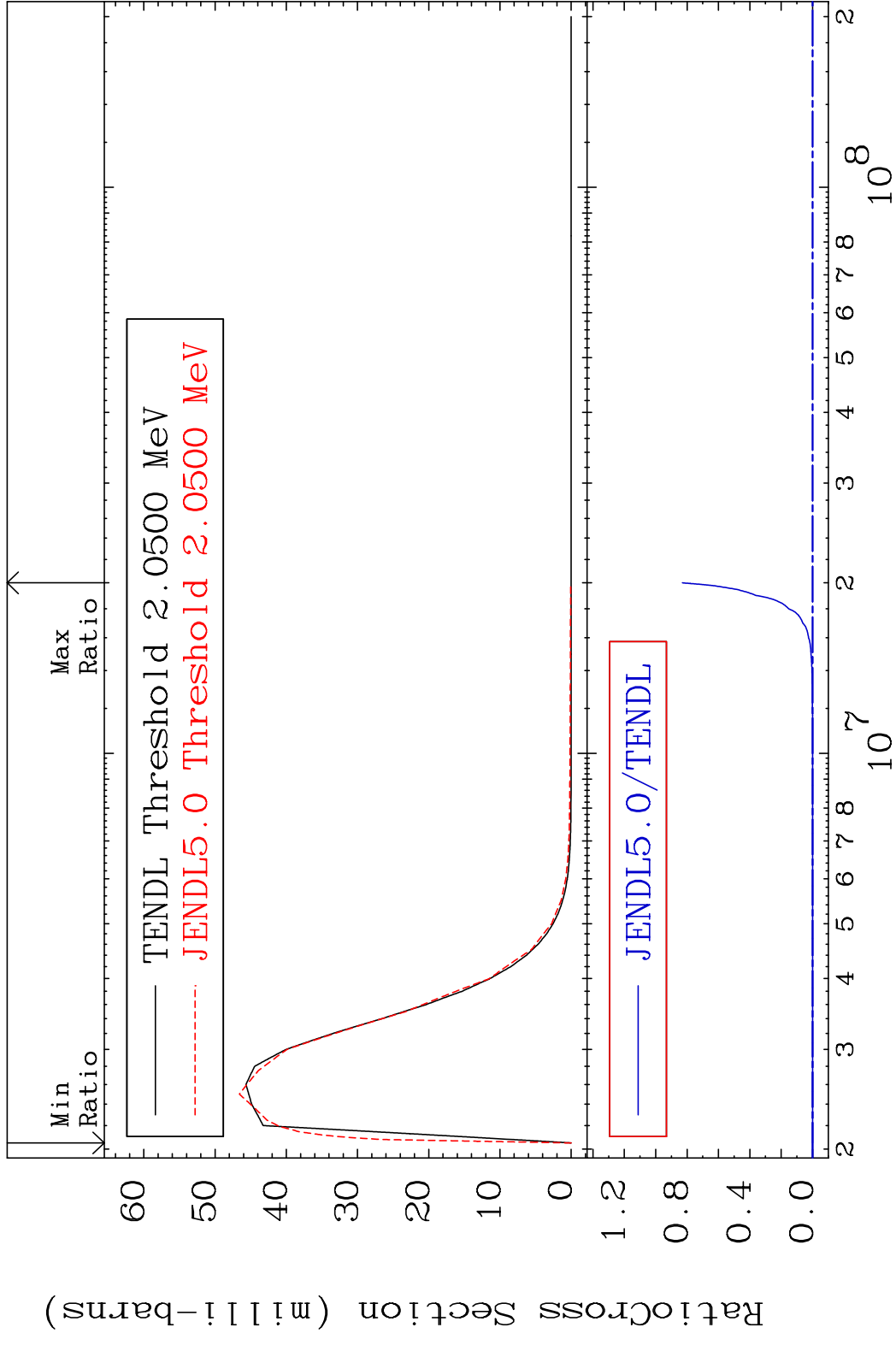
MAT 6028 MT= 75 (n, n') Level 60-Nd-143  
 Cross Section -99.48 To 5210. %



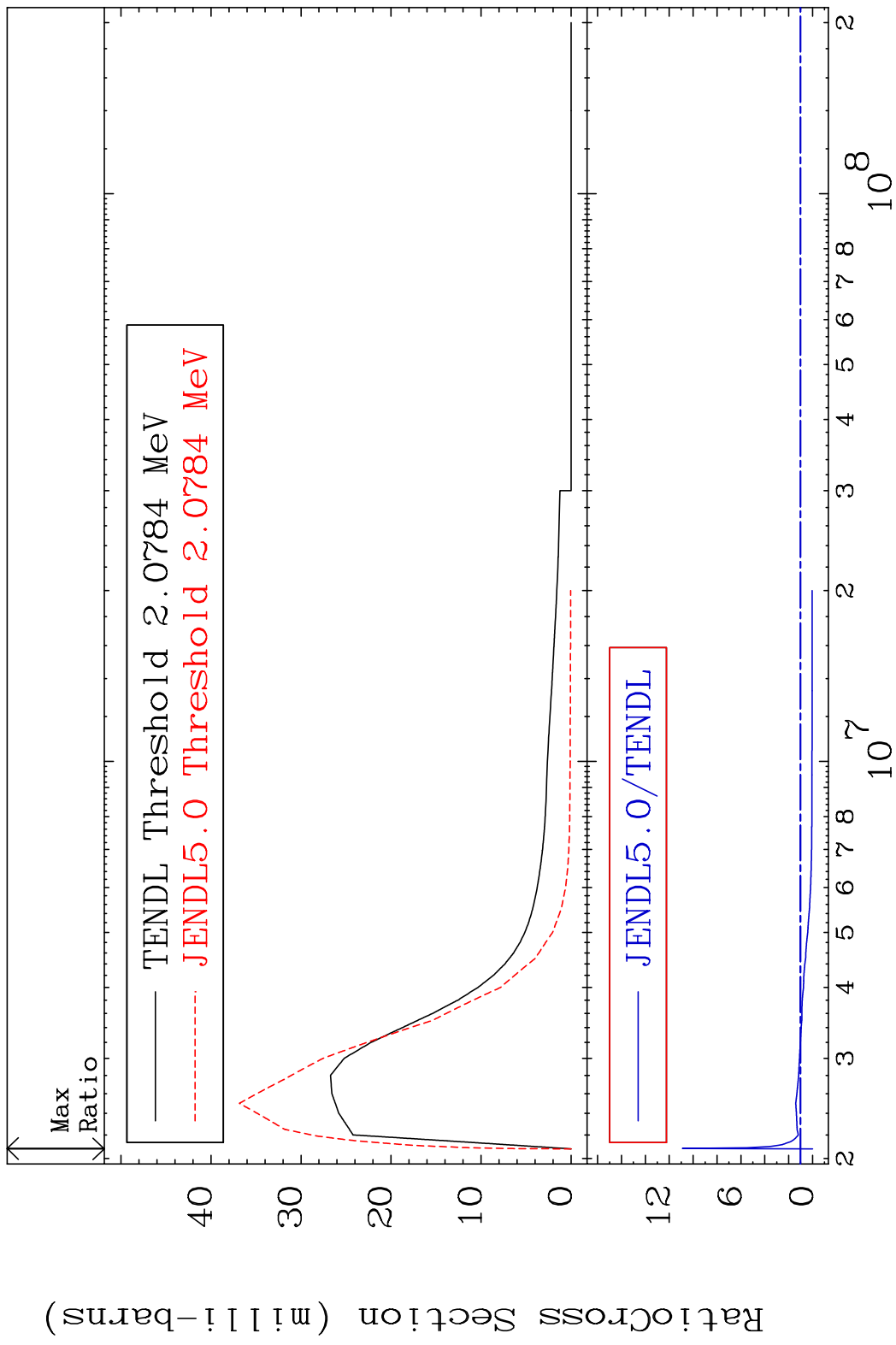
MAT 6028 MT= 76 (n, n') Level 60-Nd-143  
 Cross Section -2.144 To 9999. %



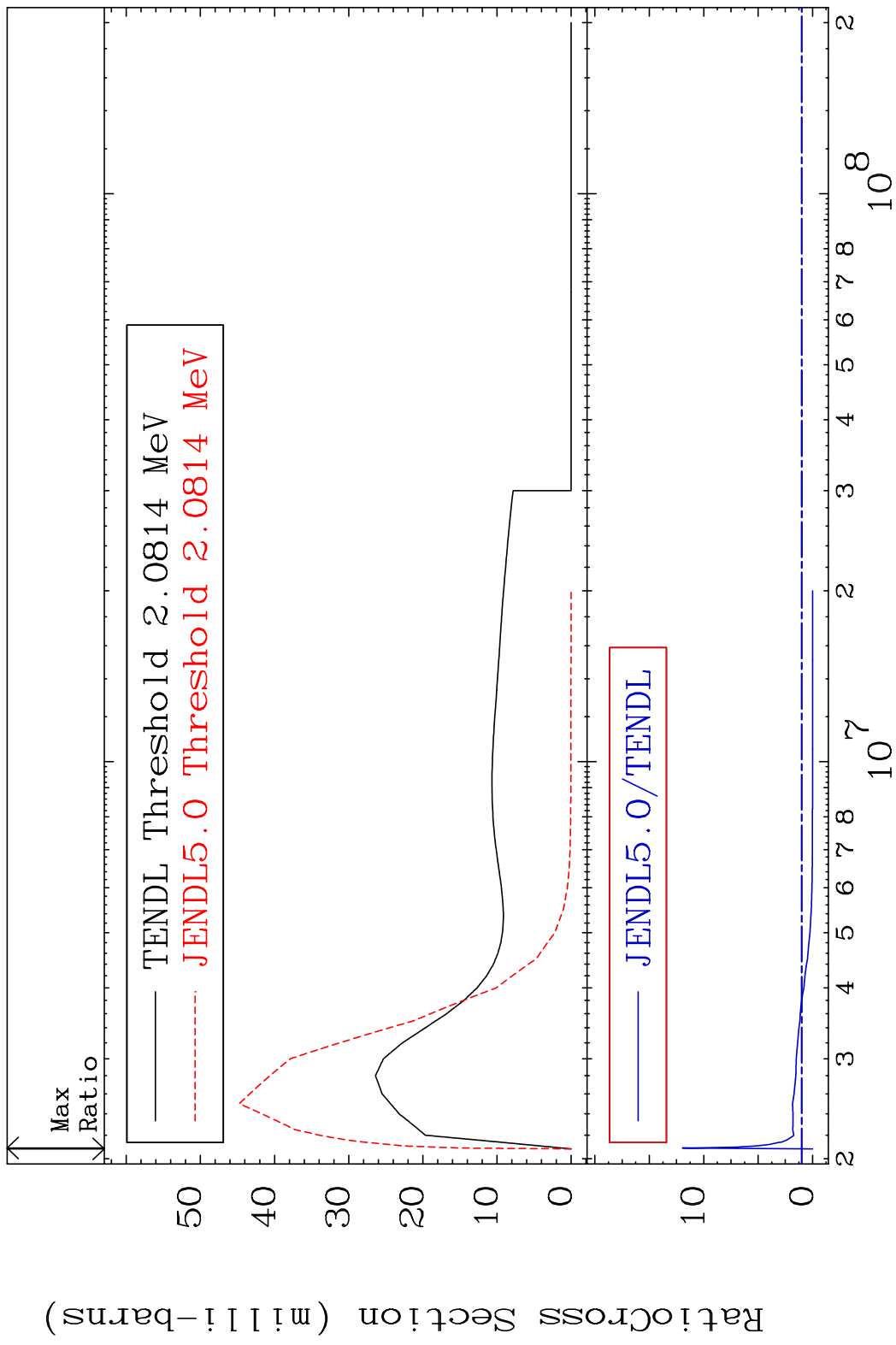
MAT 6028 MT= 77 (n, n') Level 60-Nd-143  
 Cross Section -100.0 To 9999. %



MAT 6028 MT= 78 (n, n') Level 60-Nd-143  
 Cross Section -100.0 To 990.4 %



MAT 6028 MT= 79 (n, n') Level 60-Nd-143  
 Cross Section -100.0 To 1096. %



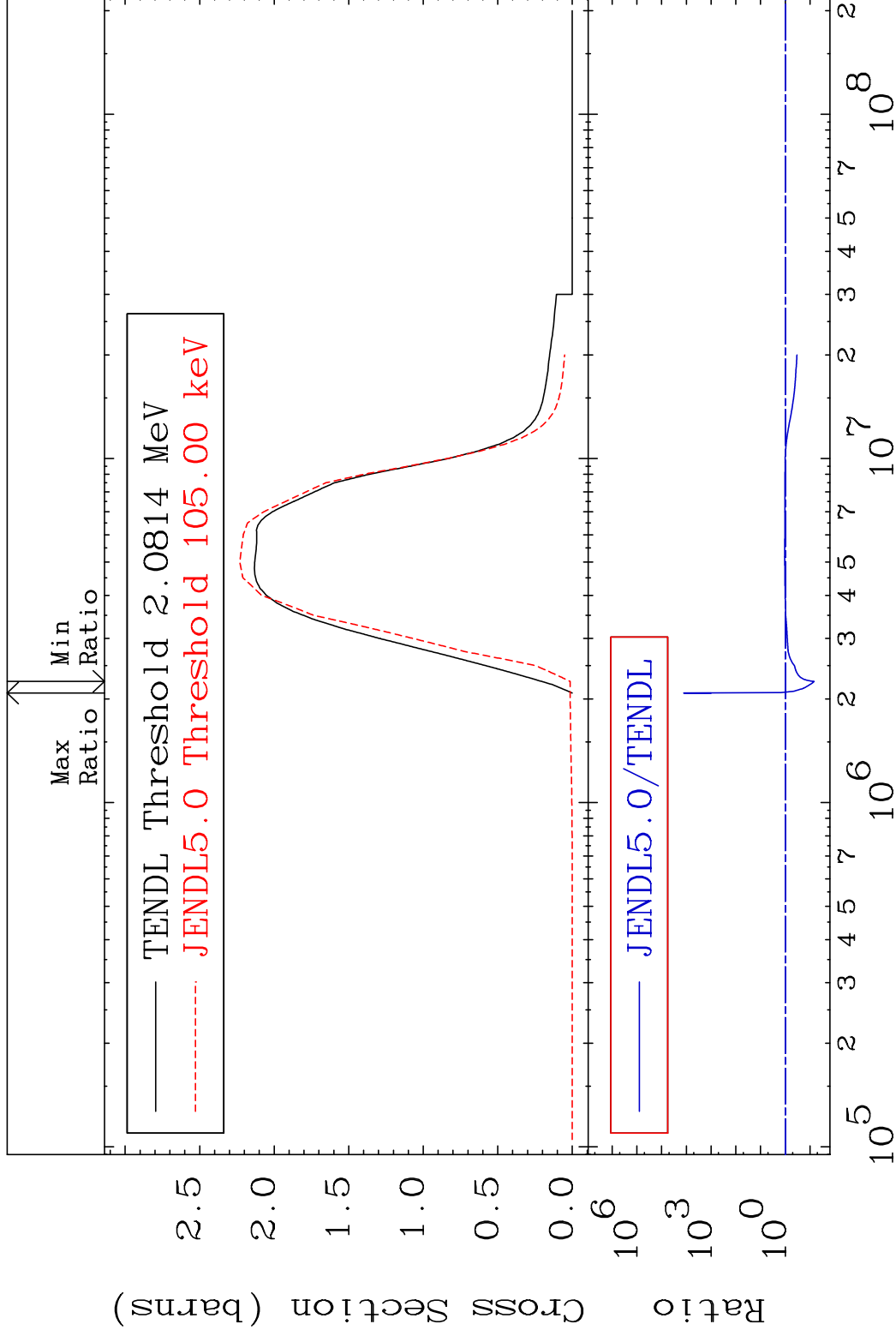
39 Incident Energy (eV) 60-Nd-143

MAT 6028

(n, n') Continuum

60-Nd-143

Cross Section -93.19 To 9999. %



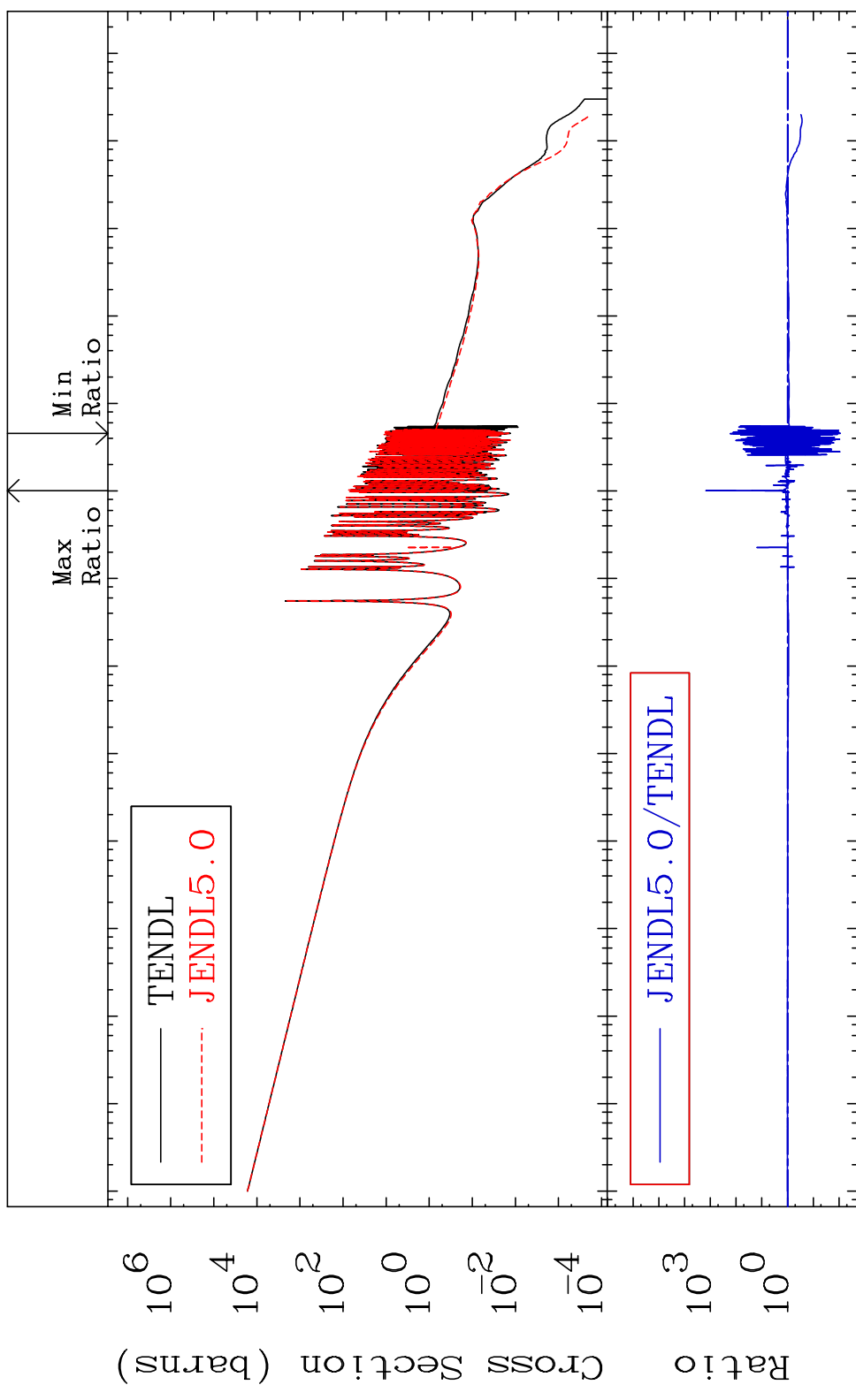
40

Incident Energy (eV)

60-Nd-143

MAT 6028

(n,  $\gamma$ )  
Cross Section -99.12 To 9999. %  
60-Nd-143



41

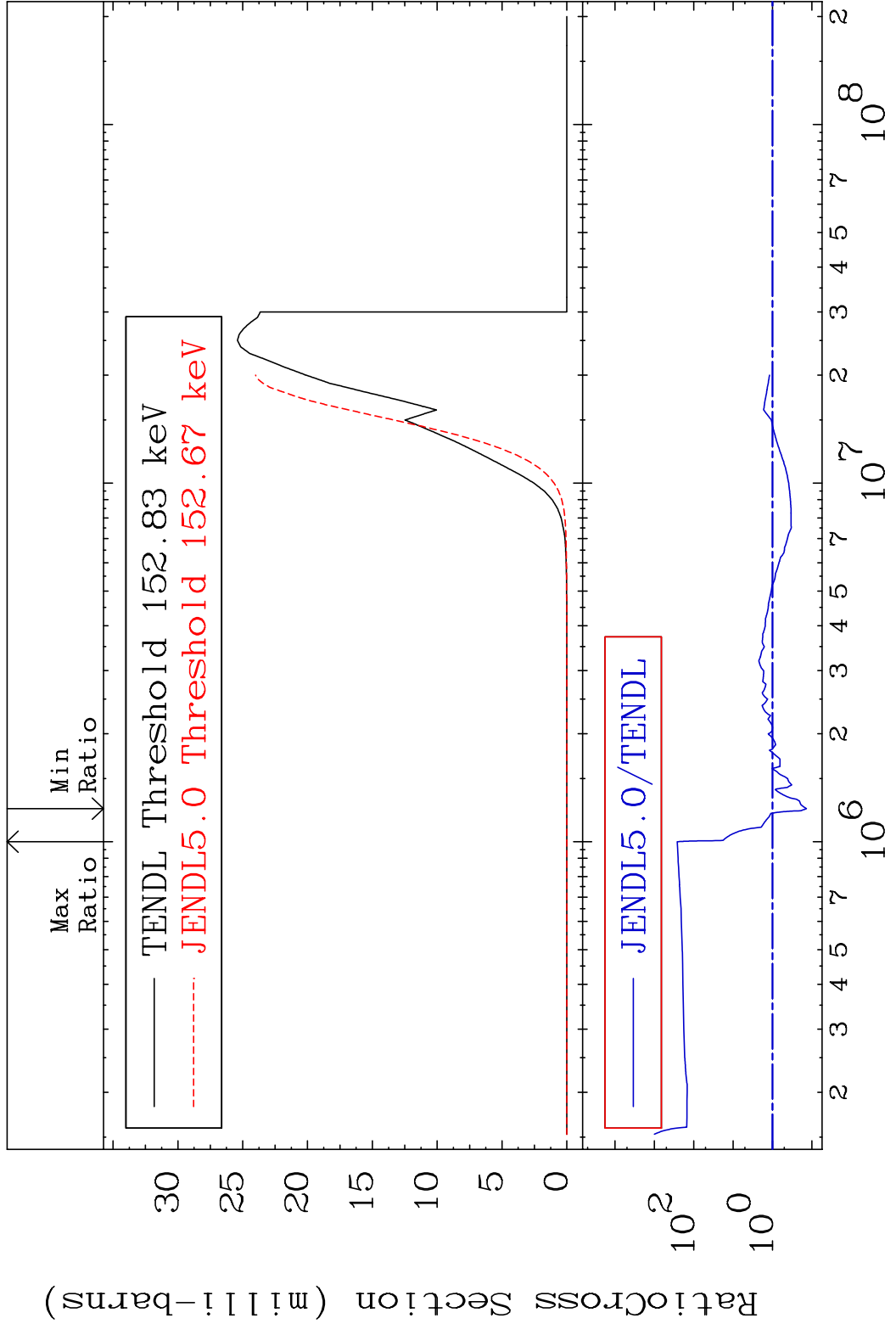
Incident Energy (eV) 60-Nd-143

MAT 6028

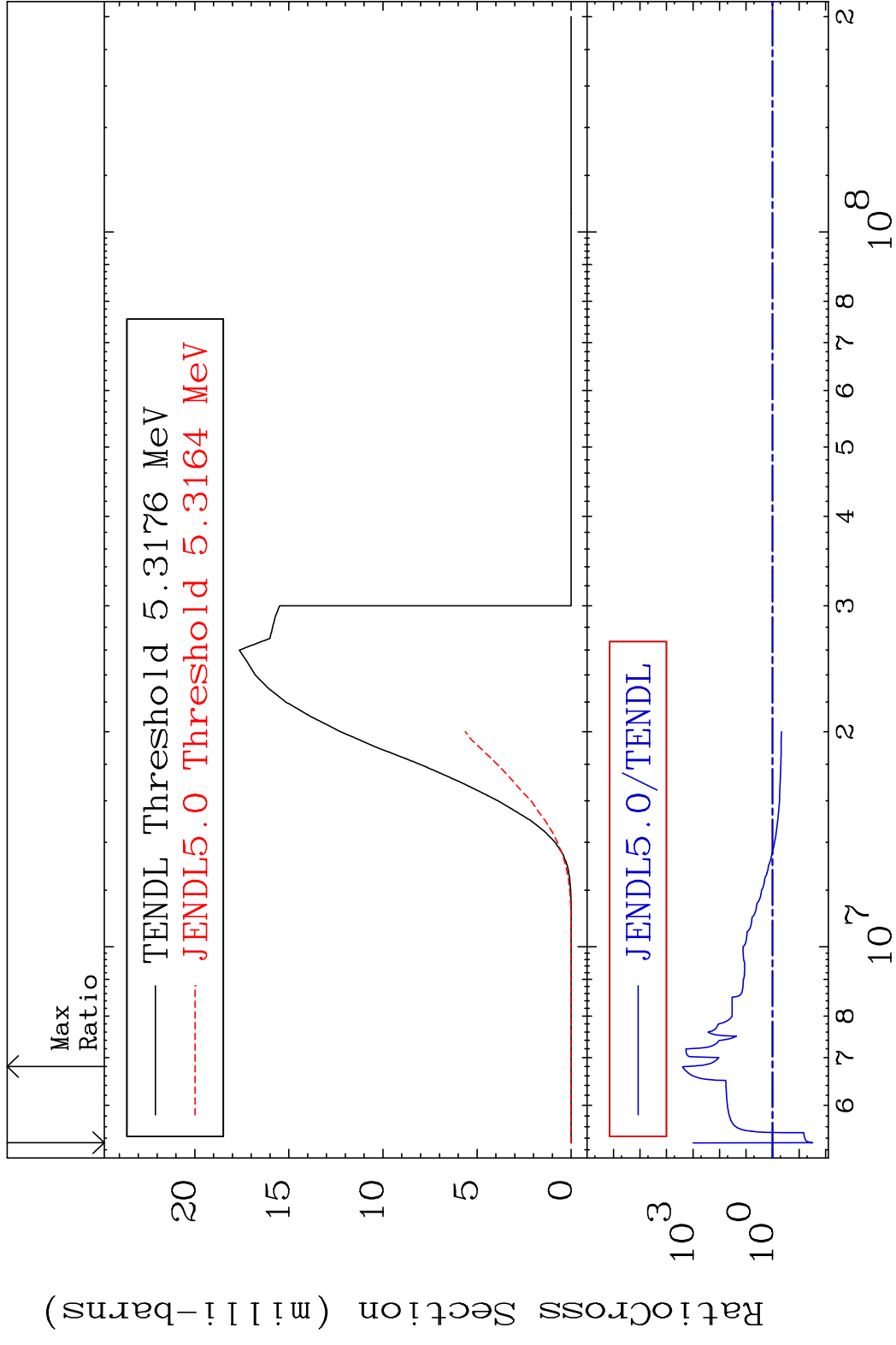
(n,p)

60-Nd-143

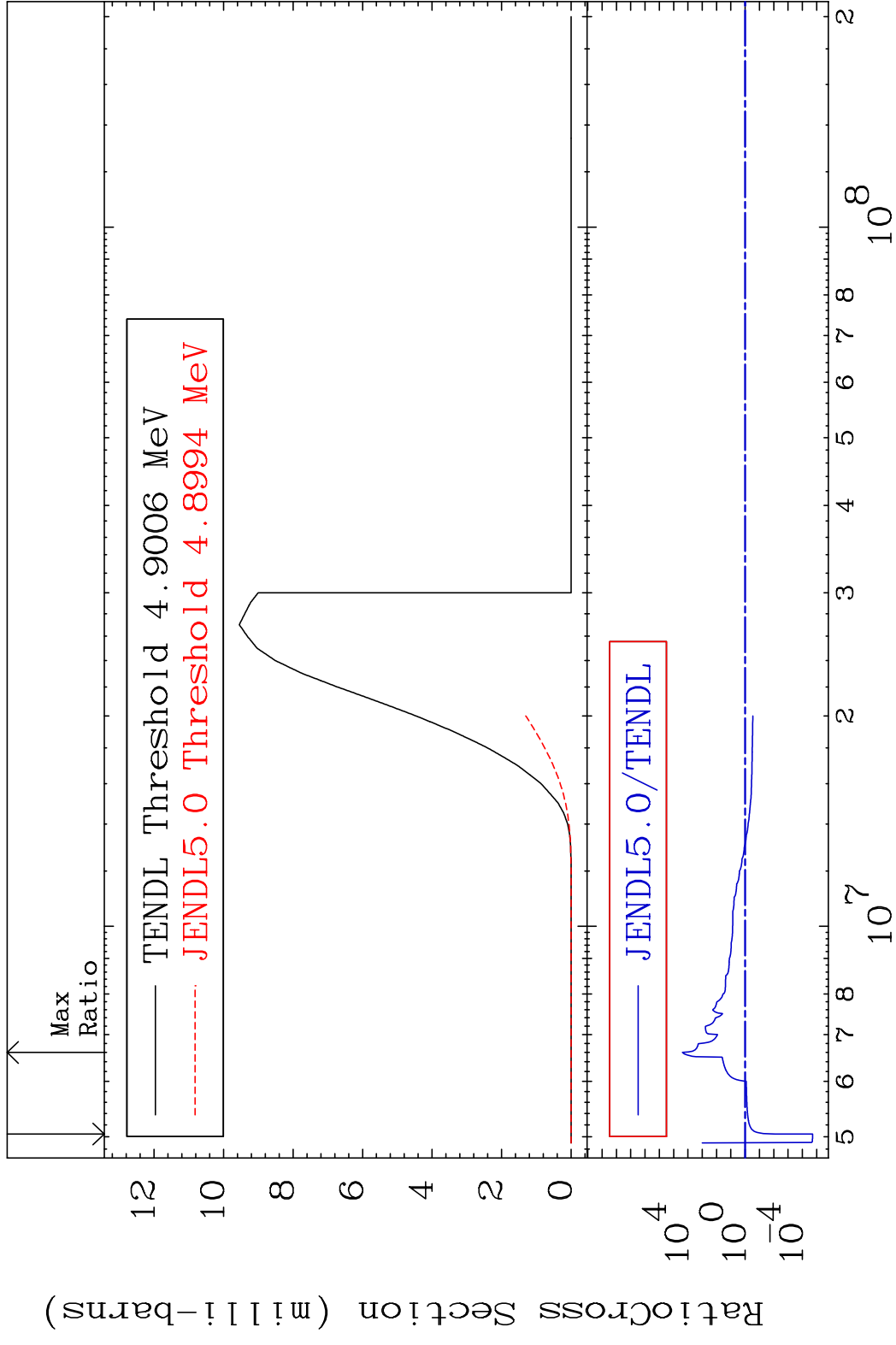
Cross Section -86.25 To 9999. %



MAT 6028 (n,d) 60-Nd-143  
 Cross Section -96.90 To 9999. %



MAT 6028 (n, t) 60-Nd-143  
 Cross Section -100.0 To 9999. %

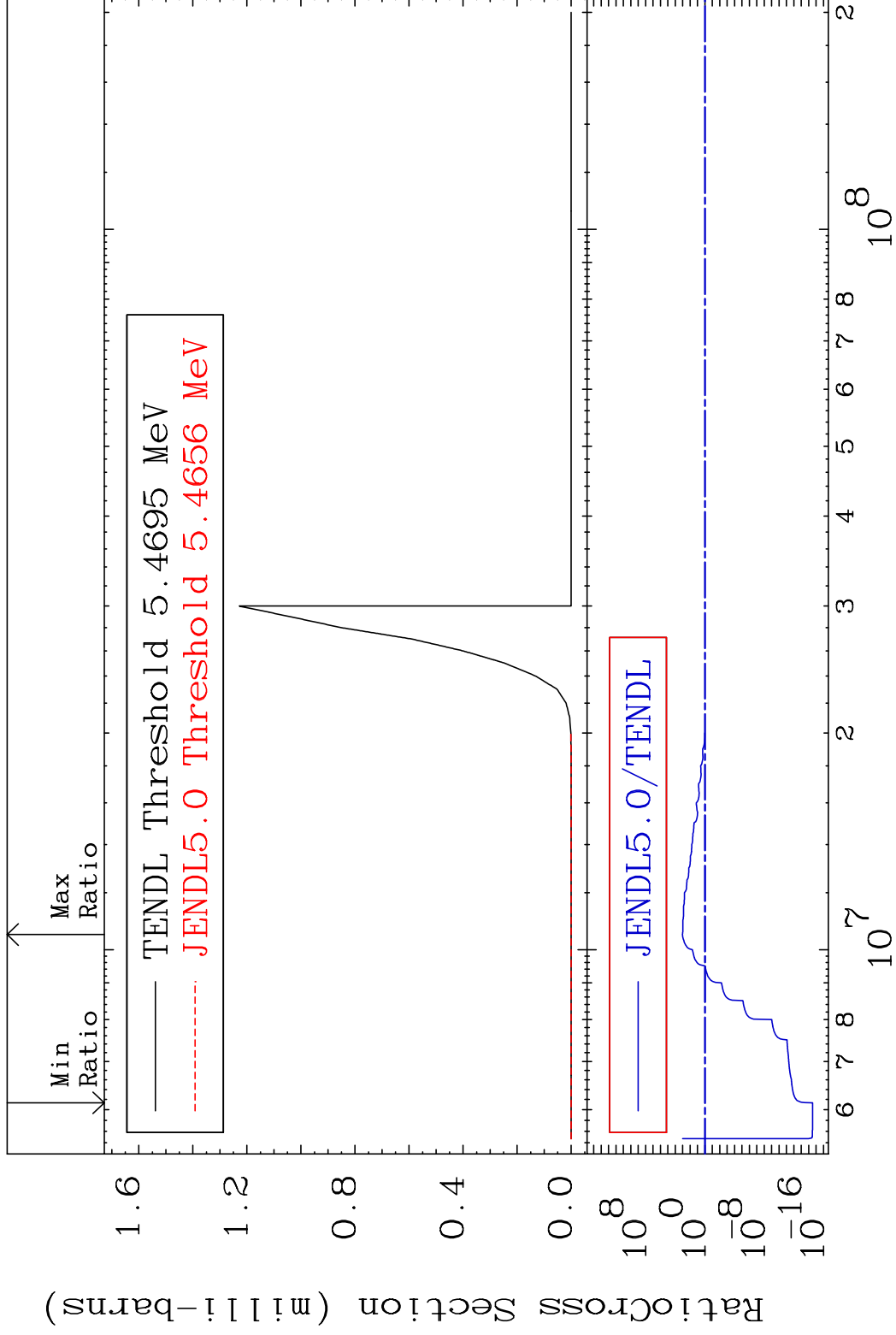


MAT 6028

(n, He-3)

60-Nd-143

Cross Section -100.0 To 9999. %



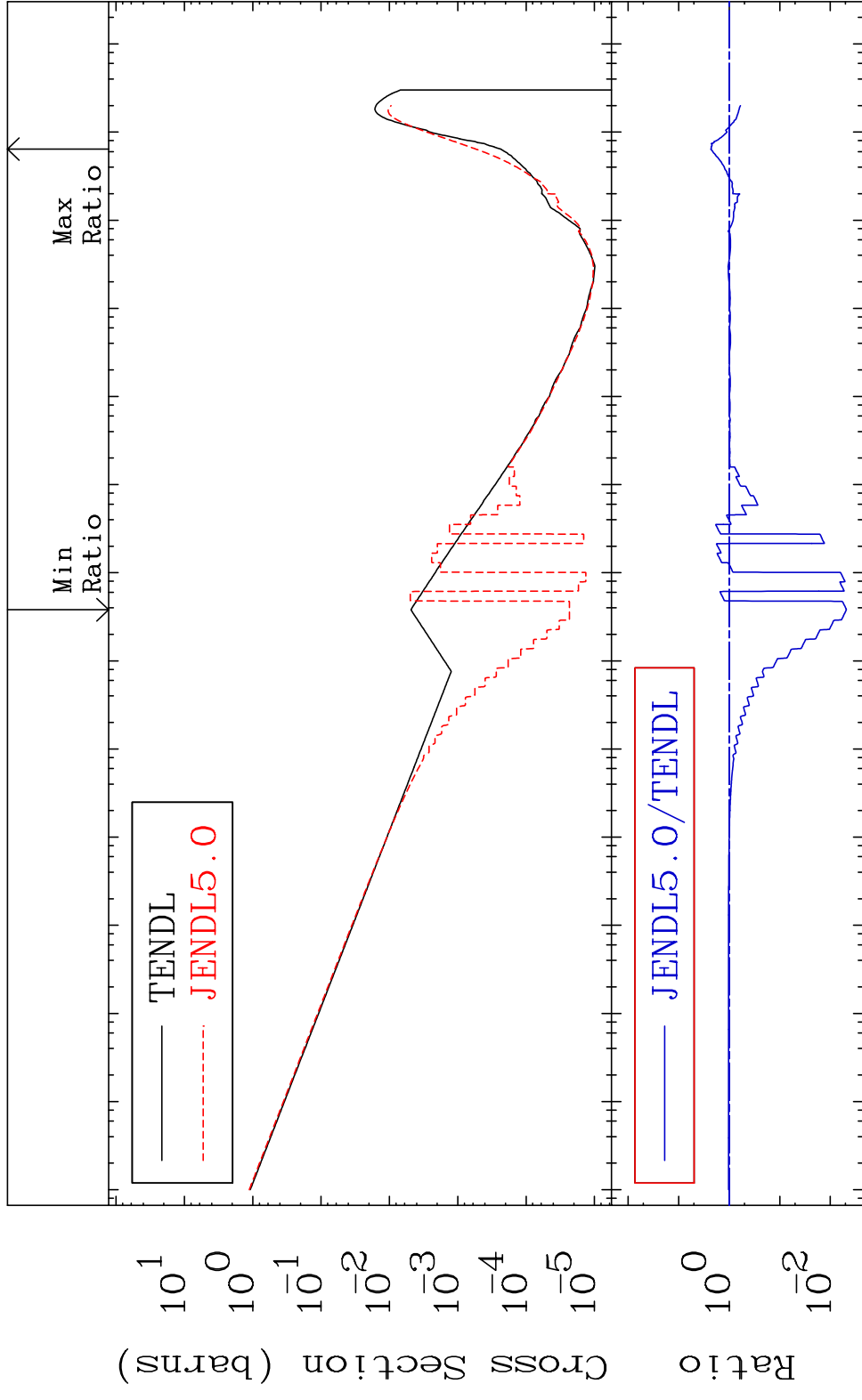
45

Incident Energy (eV)

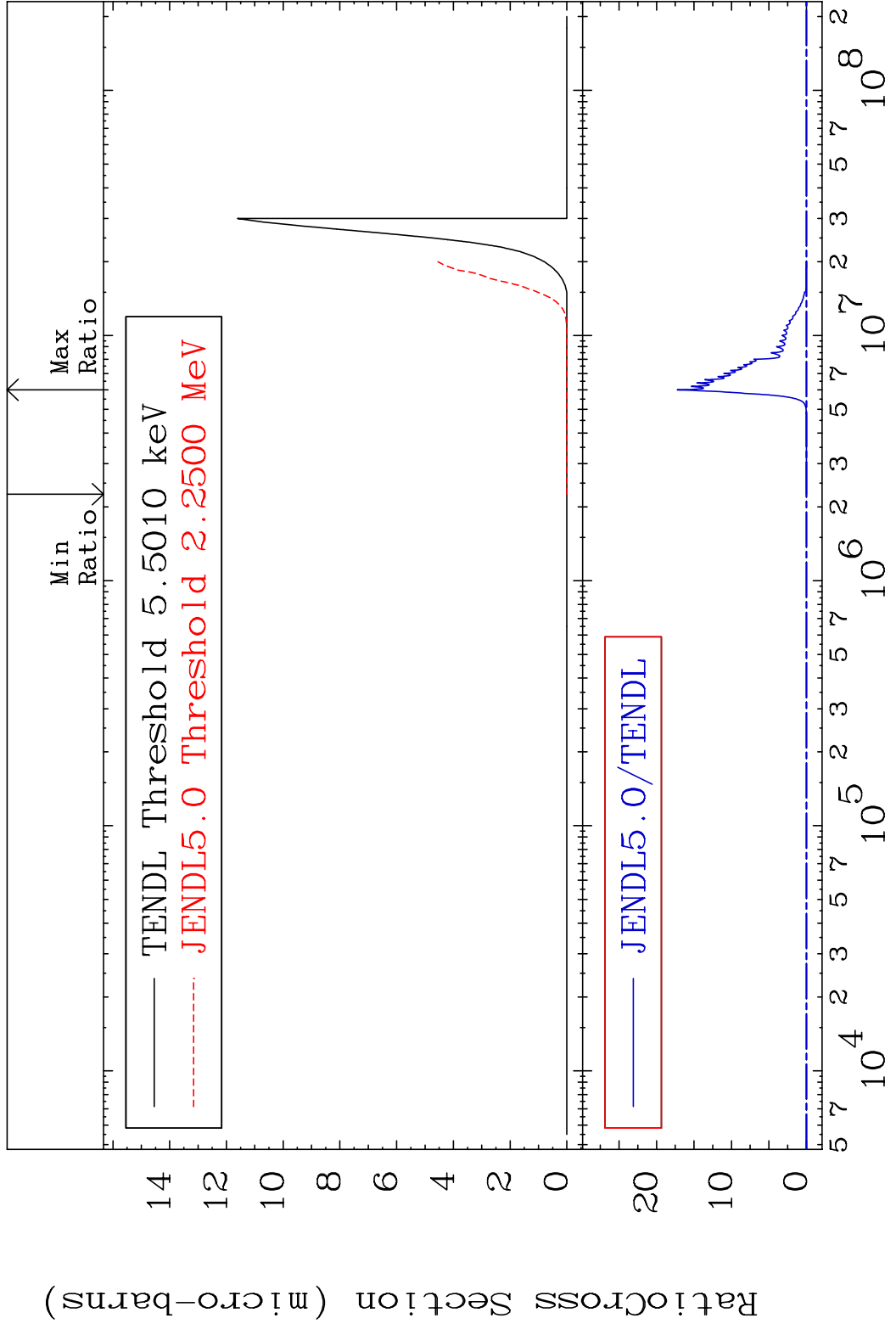
60-Nd-143

MAT 6028

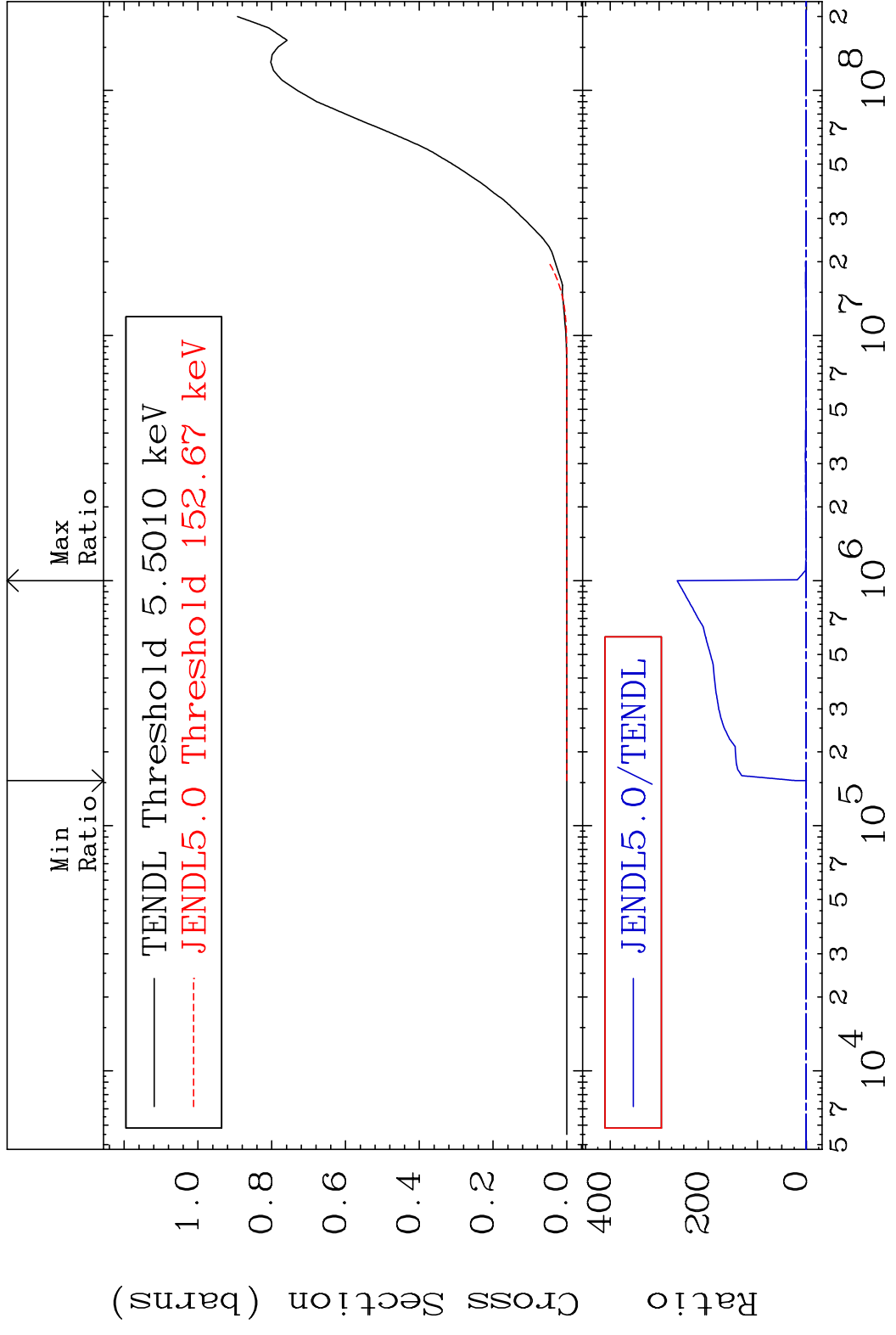
(n,  $\alpha$ ) Cross Section -99.52 To 132.2 %  
60-Nd-143



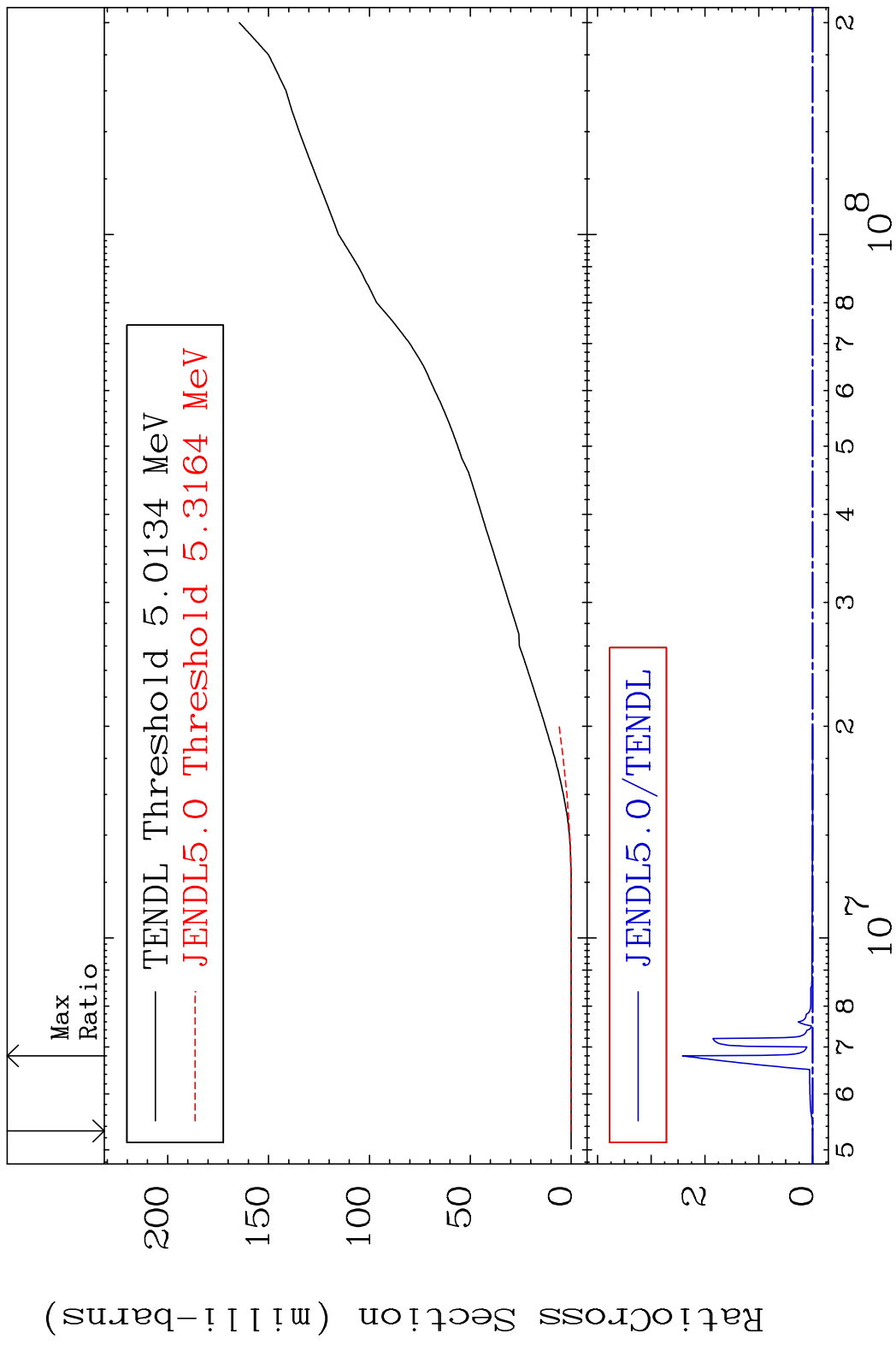
MAT 6028 (n,p)  $\alpha$  60-Nd-143  
Cross Section -100.0 To 9999. %



MAT 6028 Hydrogen Production 60-Nd-143  
 Cross Section -100.0 To 9999. %

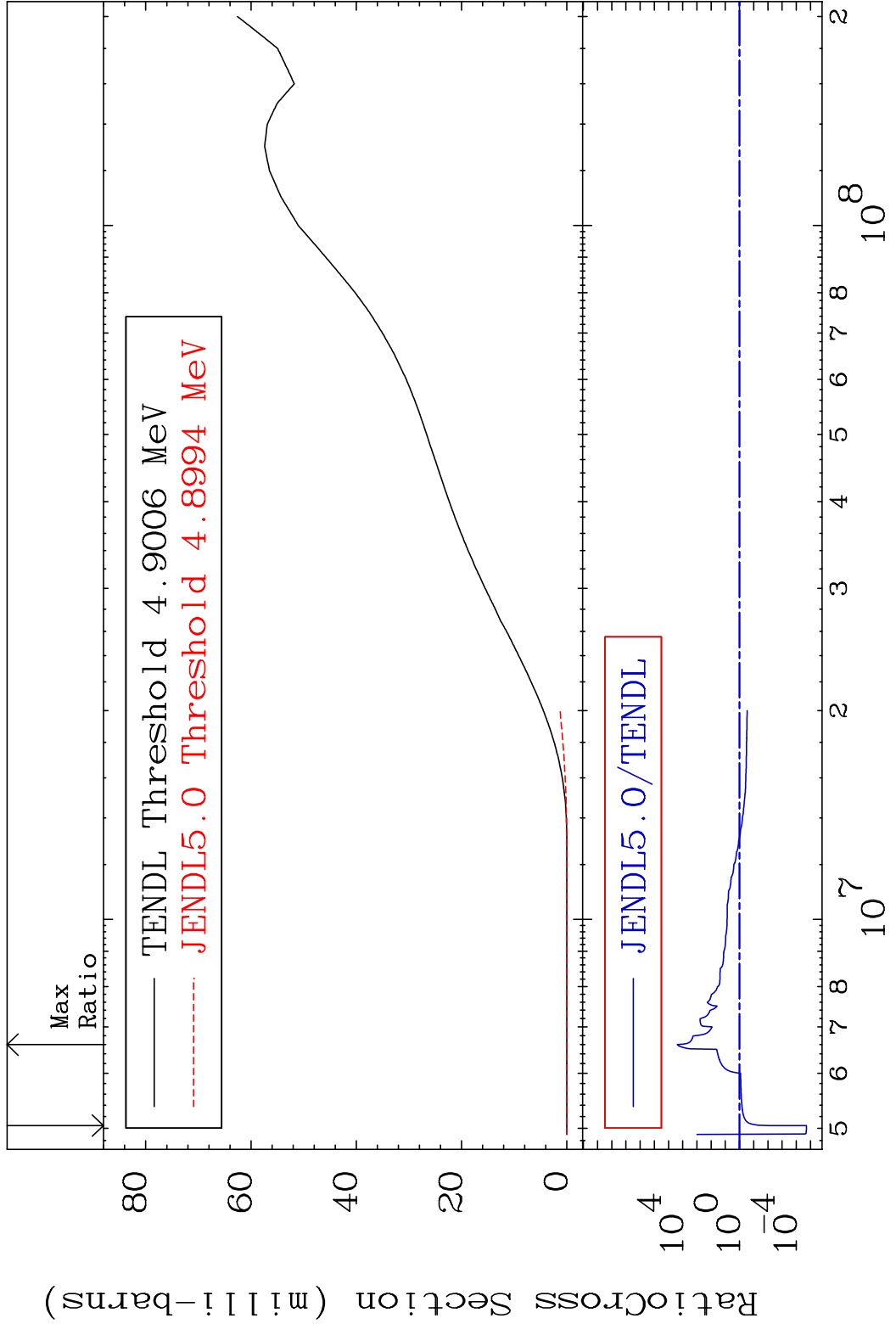


MAT 6028 Deuterium Production 60-Nd-143  
Cross Section -100.0 To 9999. %



49 60-Nd-143

MAT 6028 Tritium Production 60-Nd-143  
 Cross Section -100.0 To 9999. %

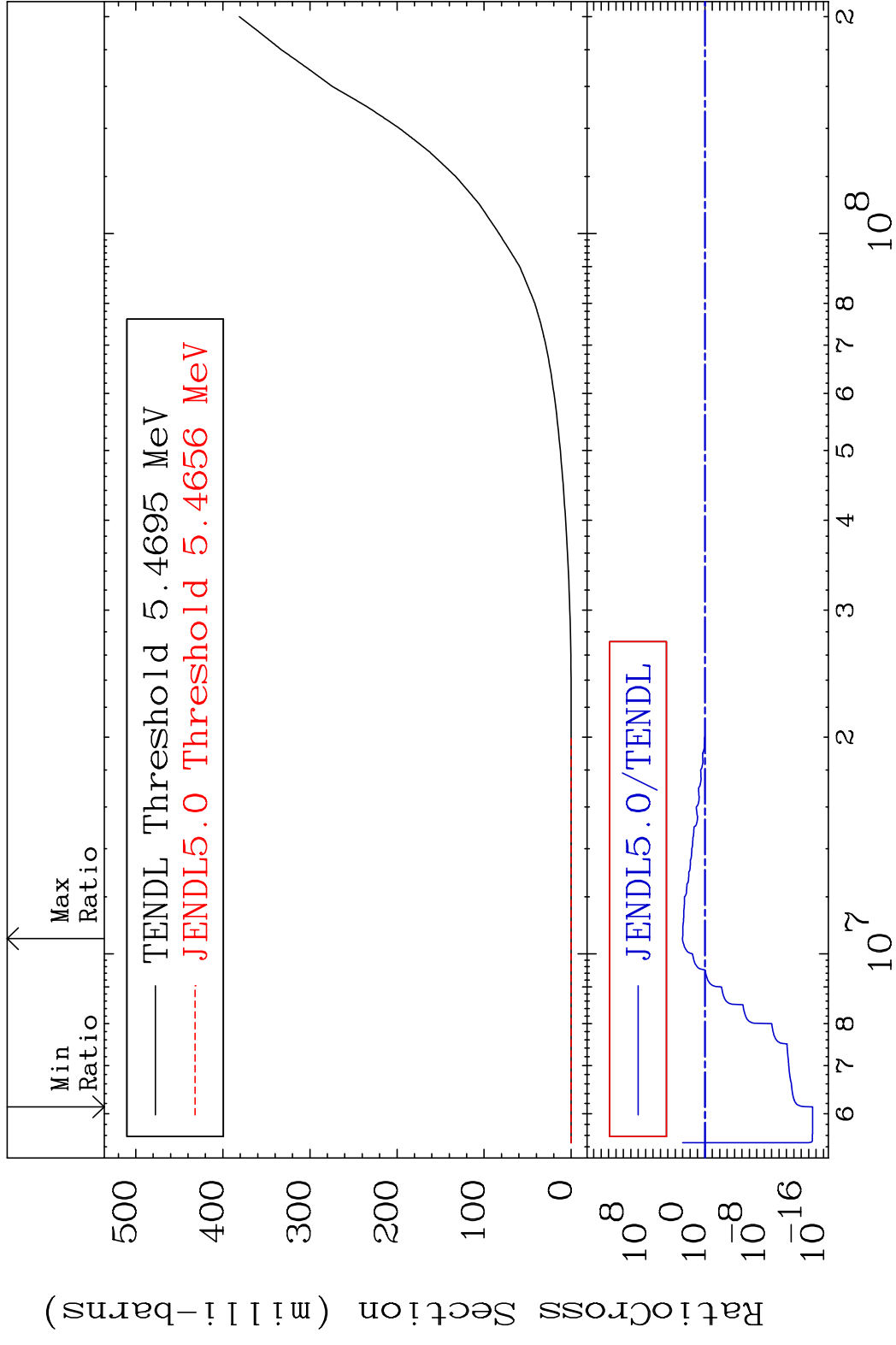


MAT 6028

He-3 Production

60-Nd-143

Cross Section -100.0 To 9999. %

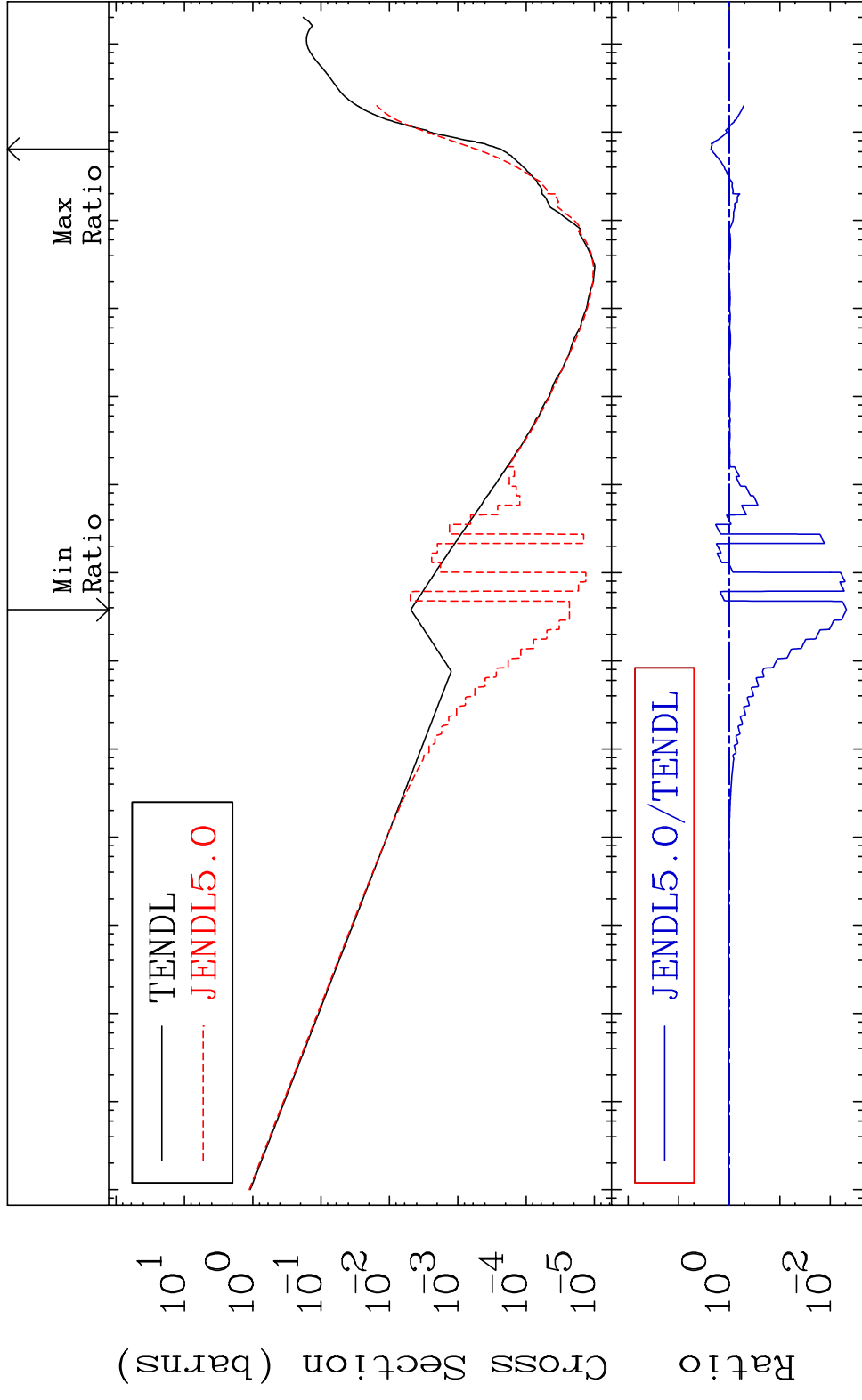


MAT 6028

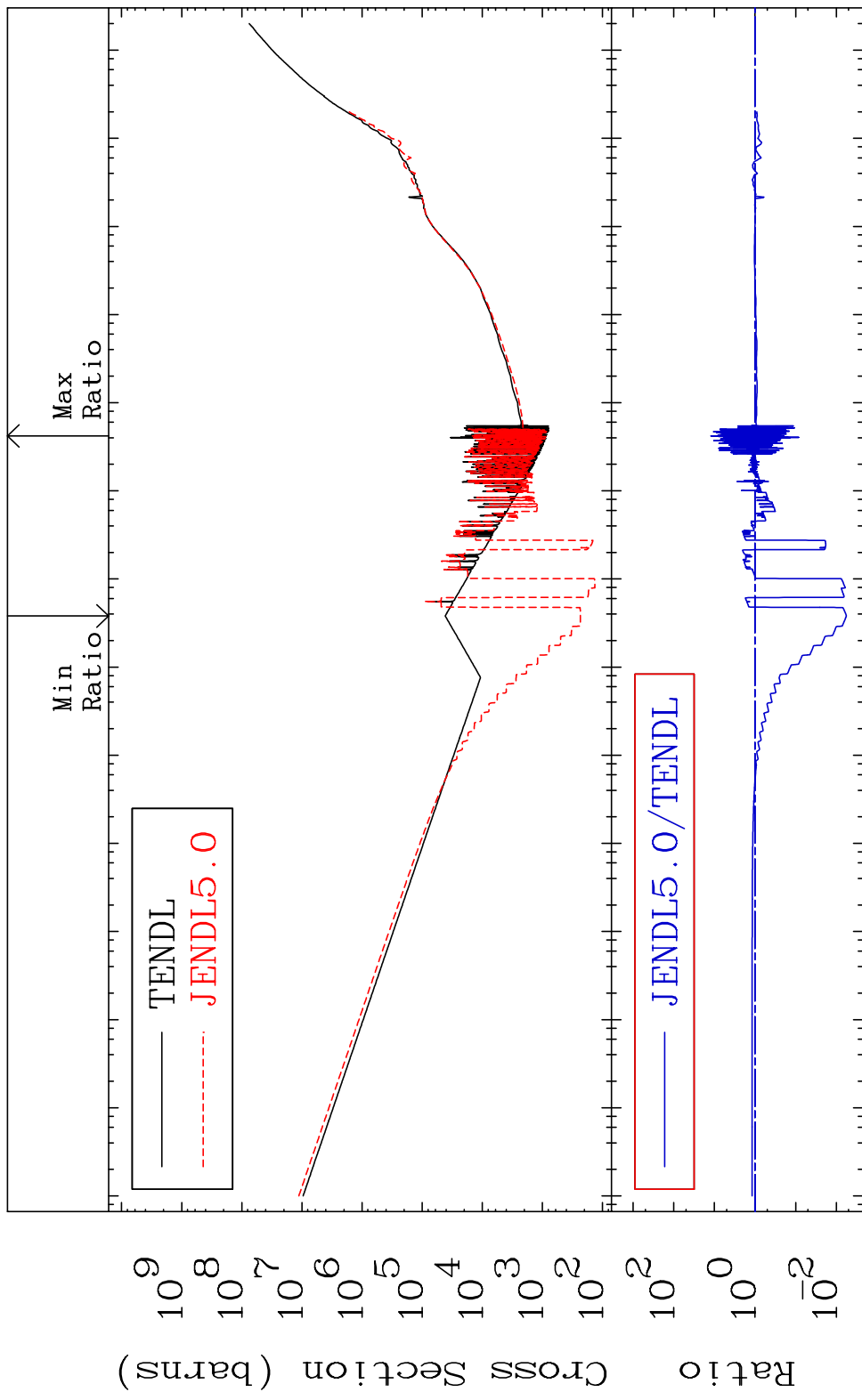
He-4 Production

60-Nd-143

Cross Section -99.52 To 132.2 %



MAT 6028 Kerma total (eV-barns) 60-Nd-143  
 Cross Section -99.43 To 1133. %

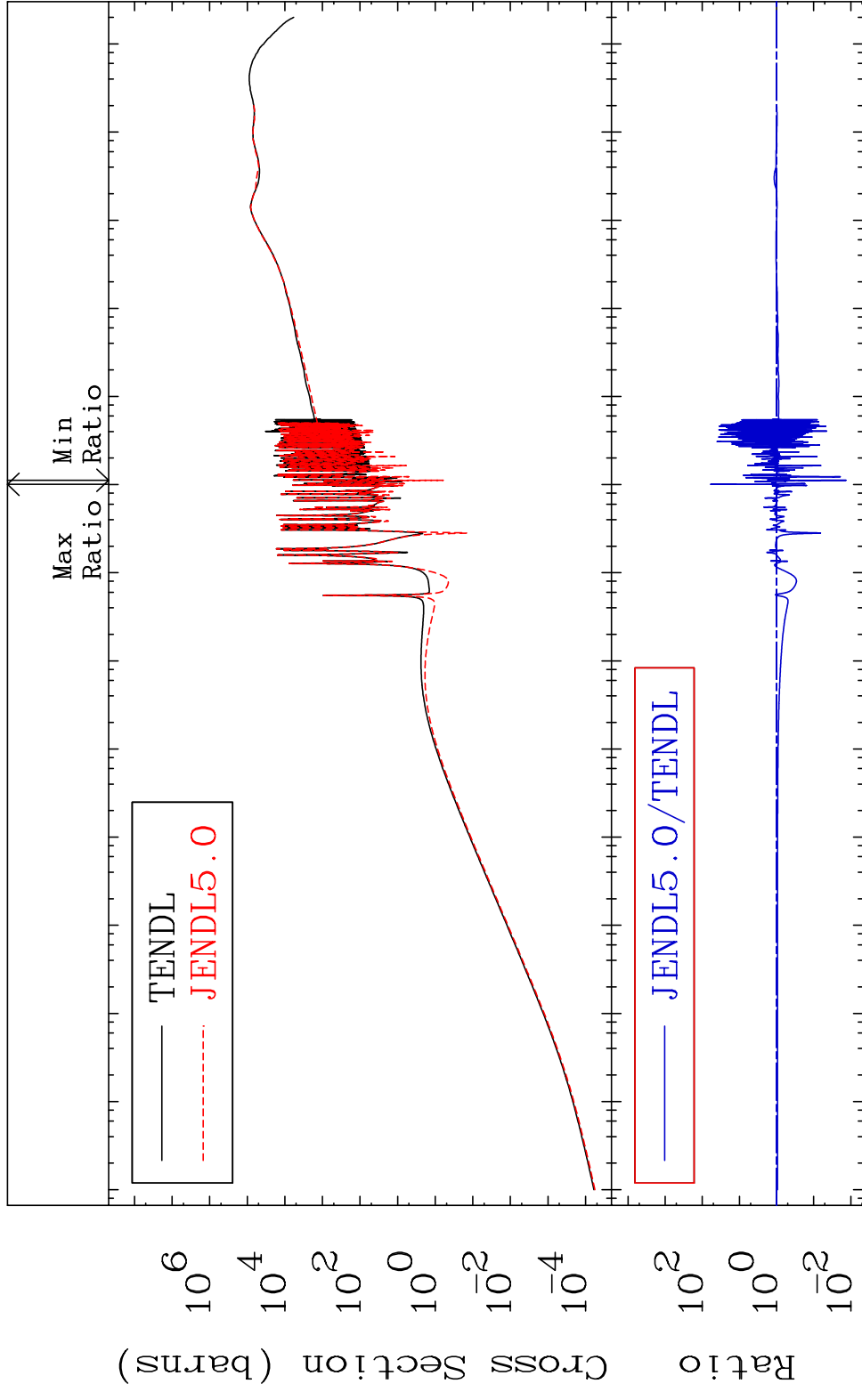


Incident Energy (eV) 60-Nd-143

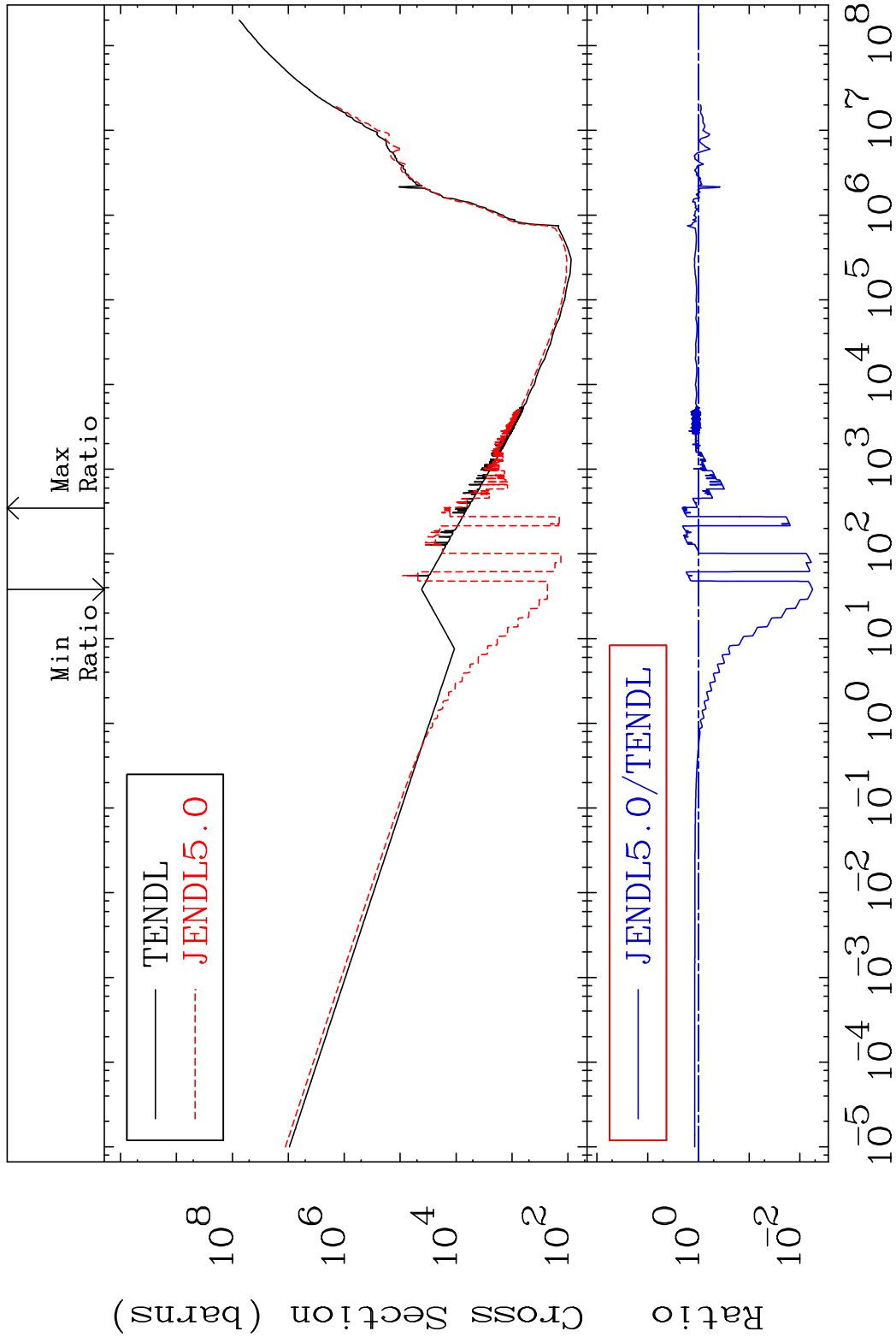
MAT 6028

Kerma elastic  
Cross Section

60-Nd-143  
-98.68 To 5825. %

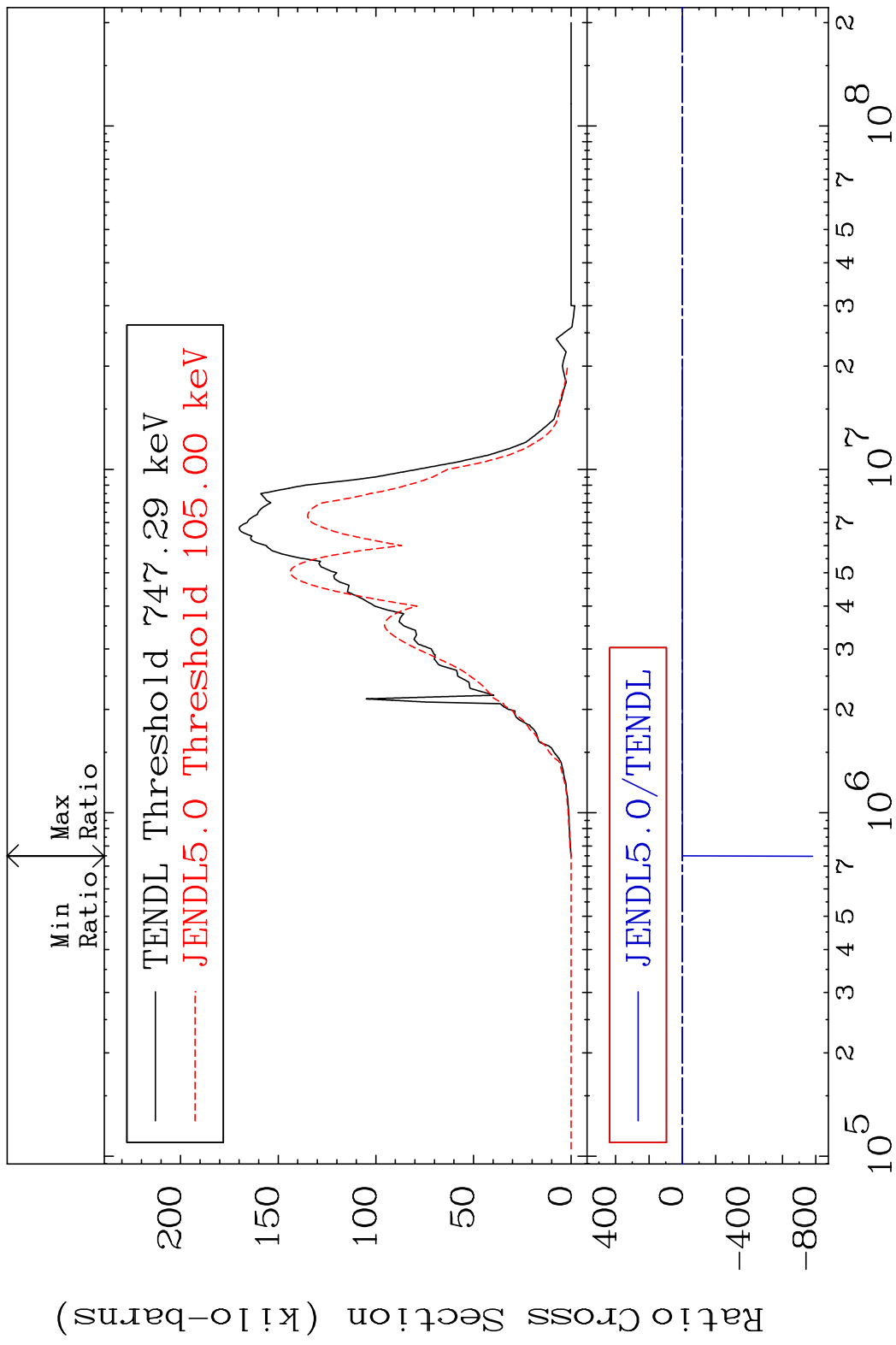


MAT 6028 Kerma non-elastic (all but mt2) 60-Nd-143  
 Cross Section -99.44 To 107.3 %

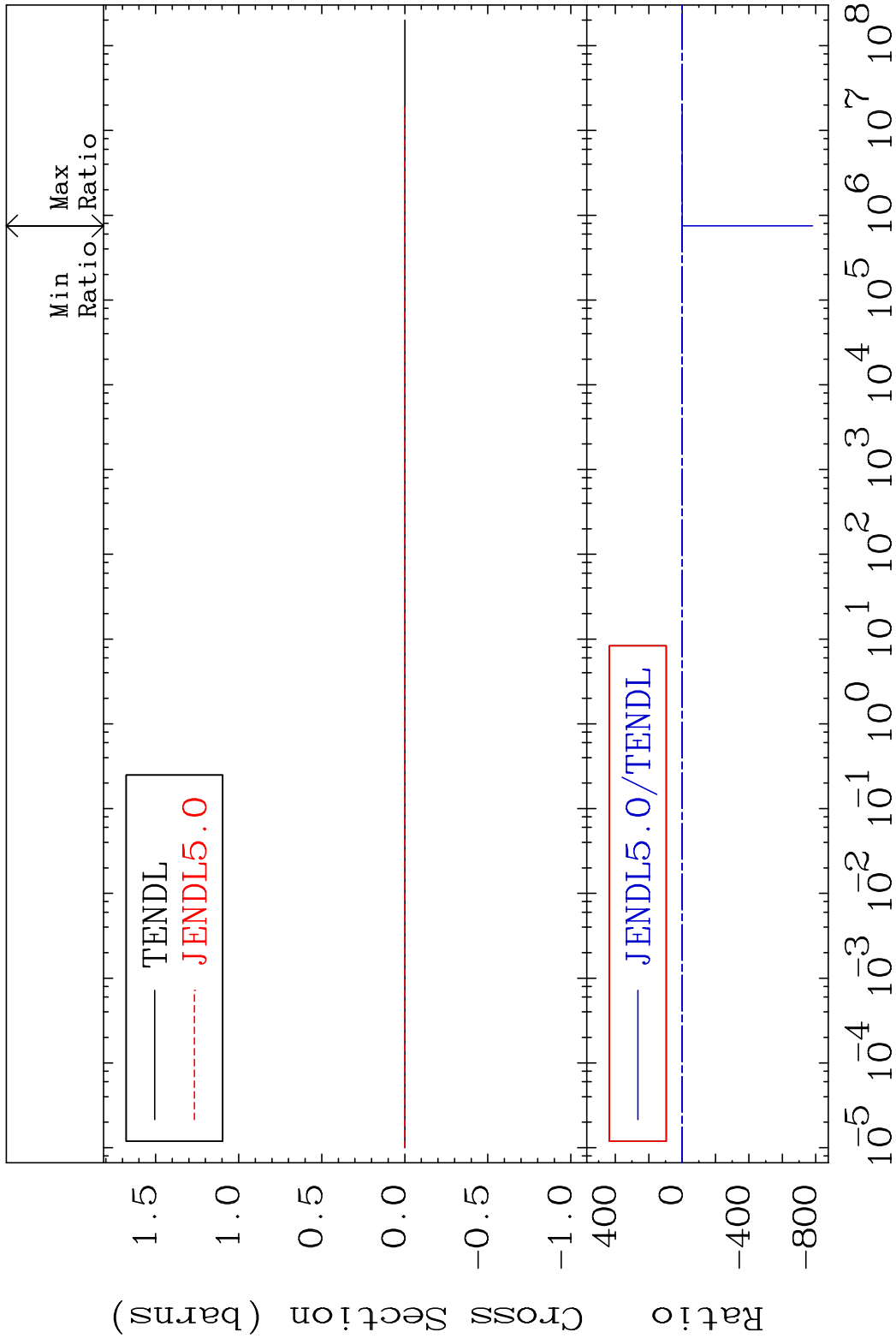


55 Incident Energy (eV) 60-Nd-143

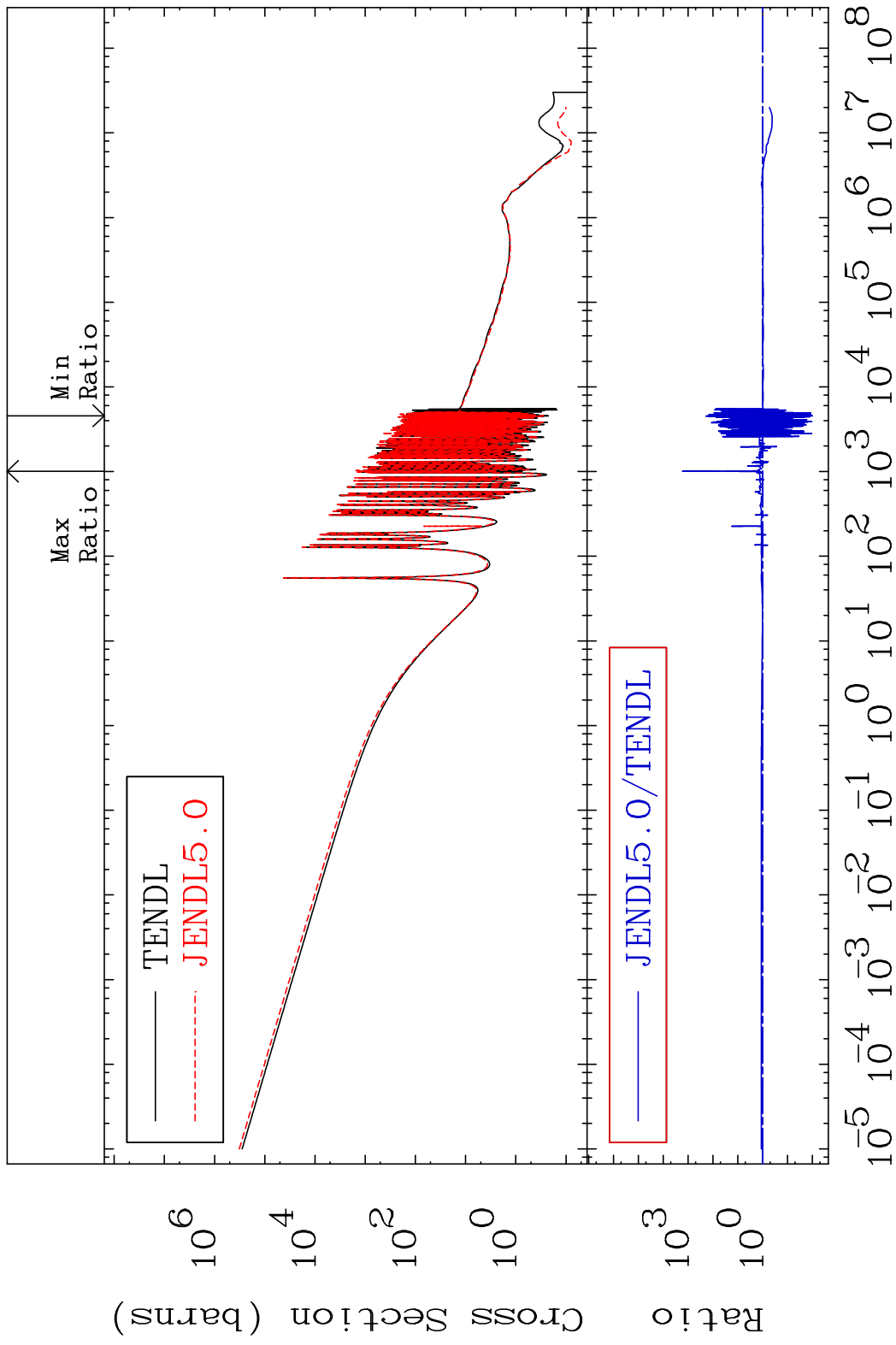
MAT 6028 Kerma inelastic (mt51-91) 60-Nd-143  
 Cross Section -9999. To 337.4 %



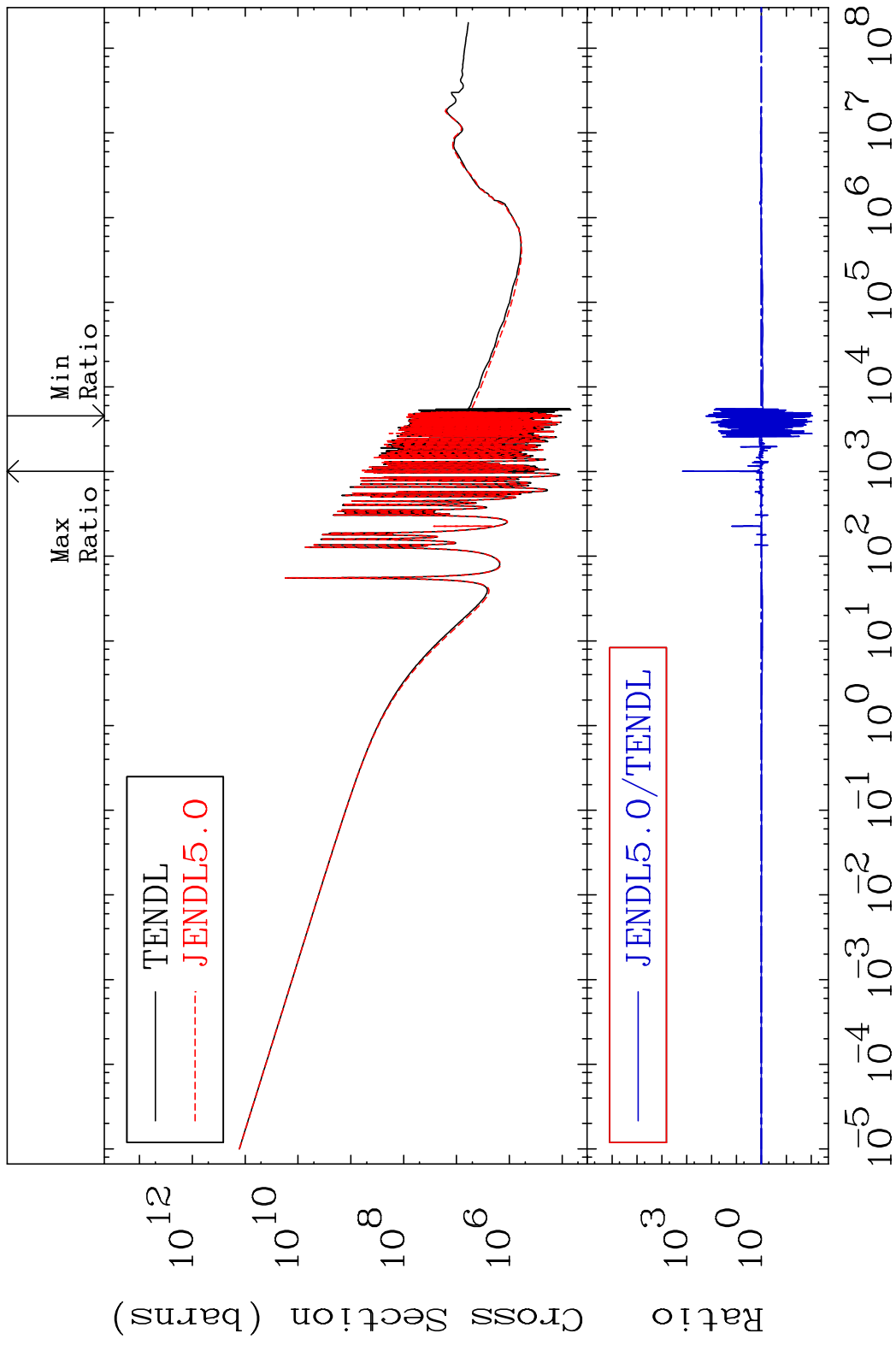
MAT 6028 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-143  
 Cross Section -9999. To 337.4 %



MAT 6028 Kerma capture (mt102) 60-Nd-143  
 Cross Section -99.02 To 9999. %

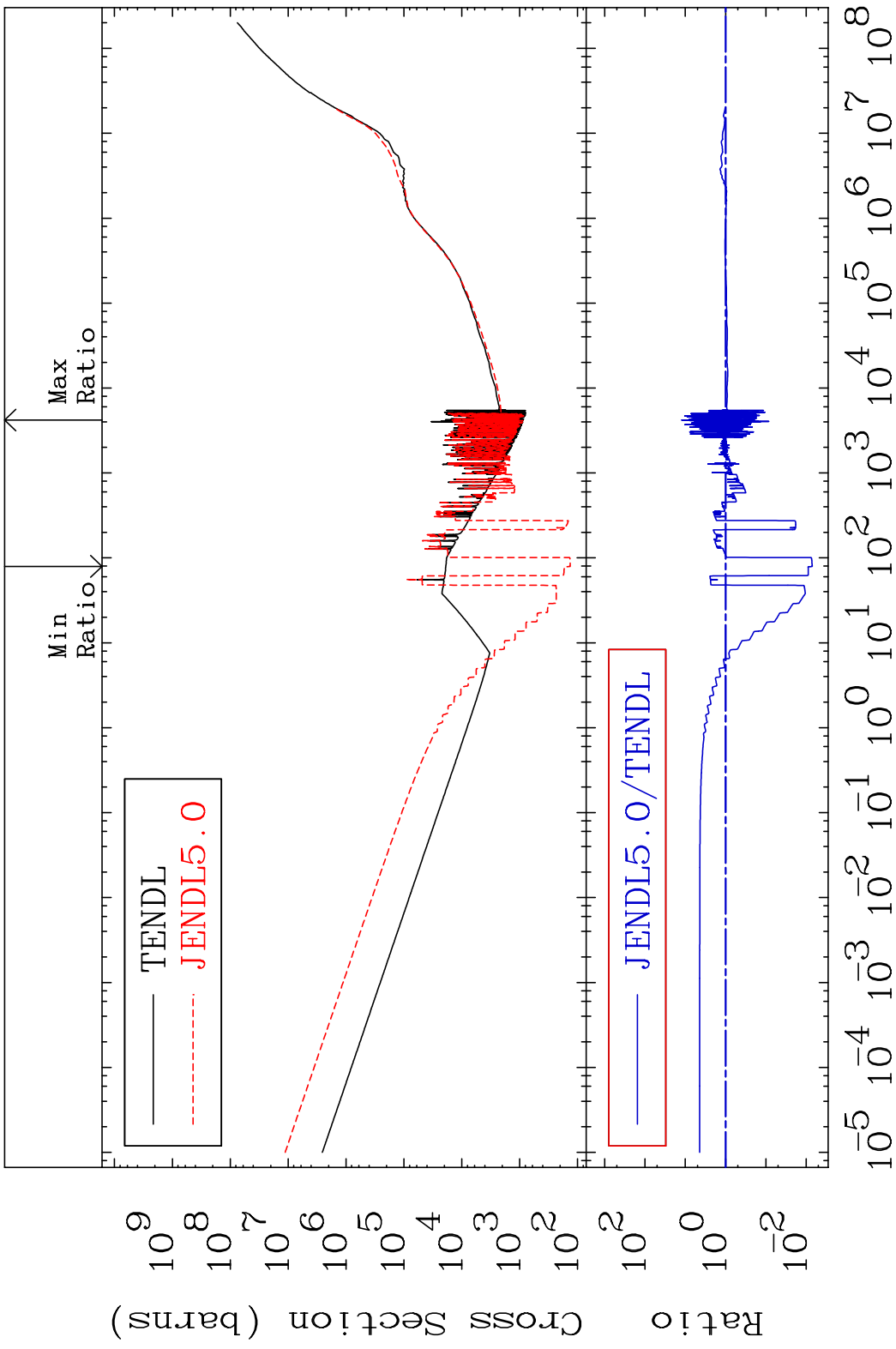


MAT 6028 Total photon (eV-barns) 60-Nd-143  
 Cross Section -99.12 To 9999. %



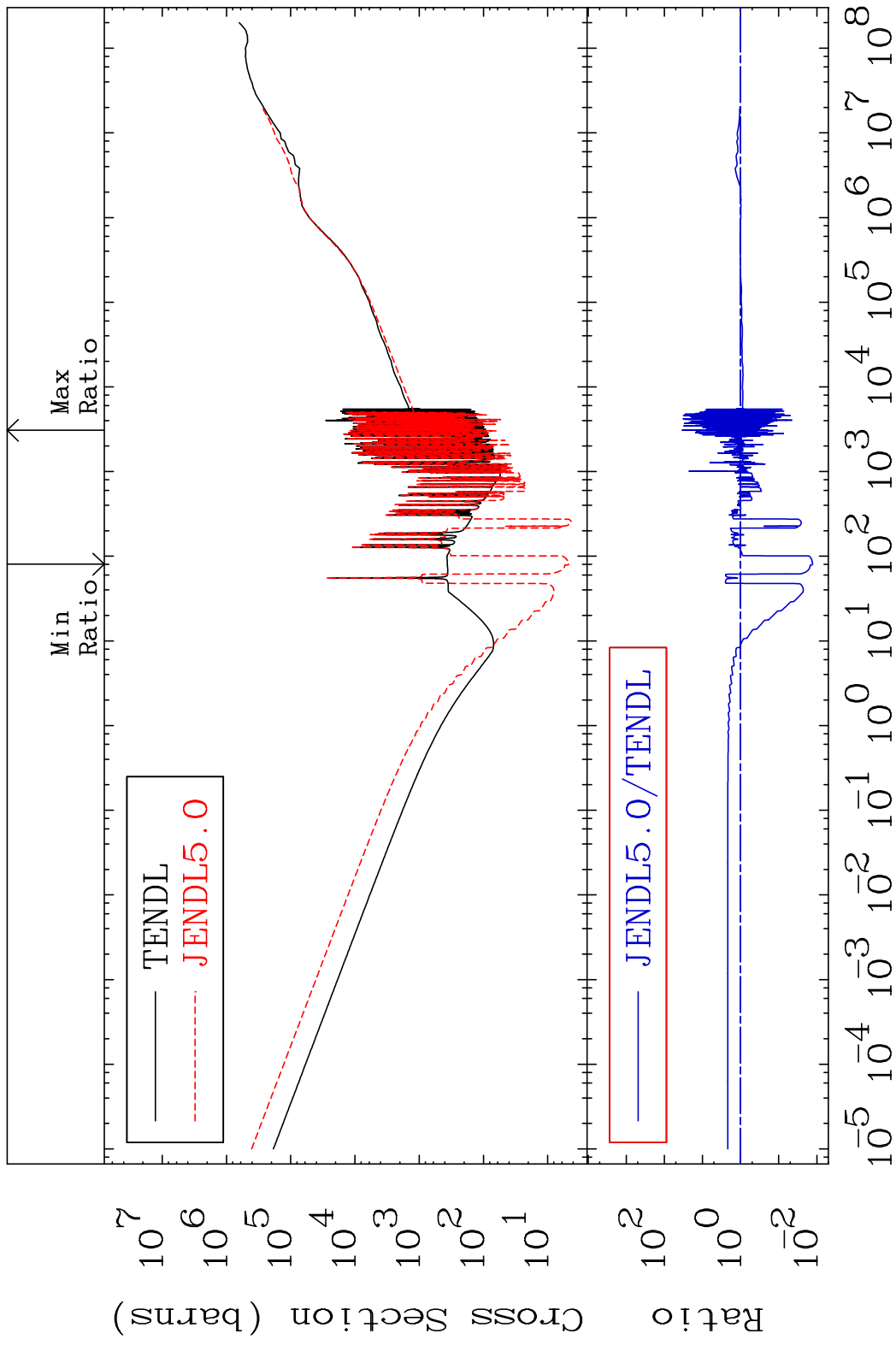
59 Incident Energy (eV) 60-Nd-143

MAT 6028 Total kinematic kerma (high limit) 60-Nd-143  
Cross Section -99.29 To 1127. %



60 Incident Energy (eV) 60-Nd-143

MAT 6028      Dpa total (eV-barns)      60-Nd-143  
 Cross Section      -98.70 To 3275. %

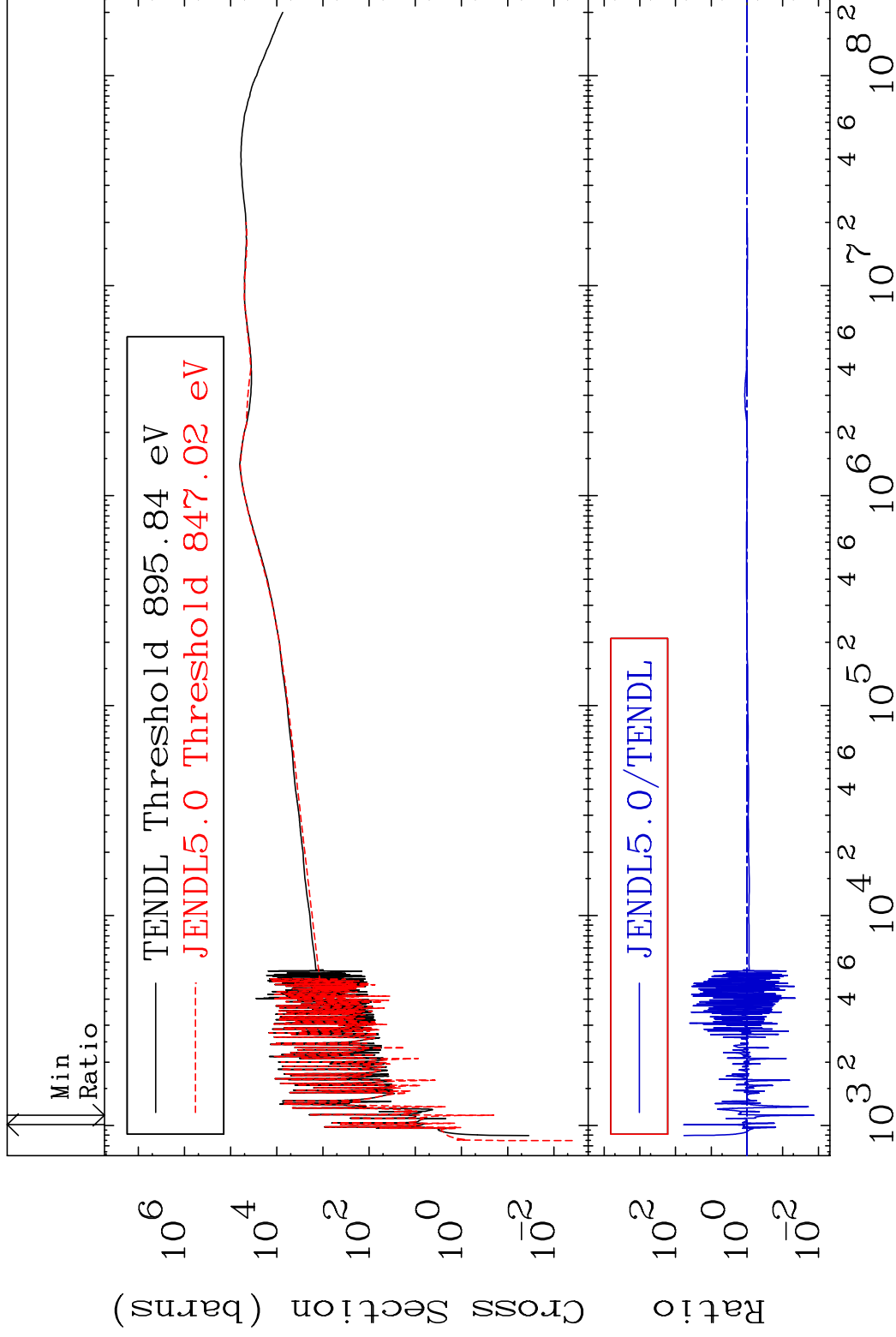


MAT 6028

Dpa elastic (mt2)

60-Nd-143

Cross Section -98.68 To 5824. %

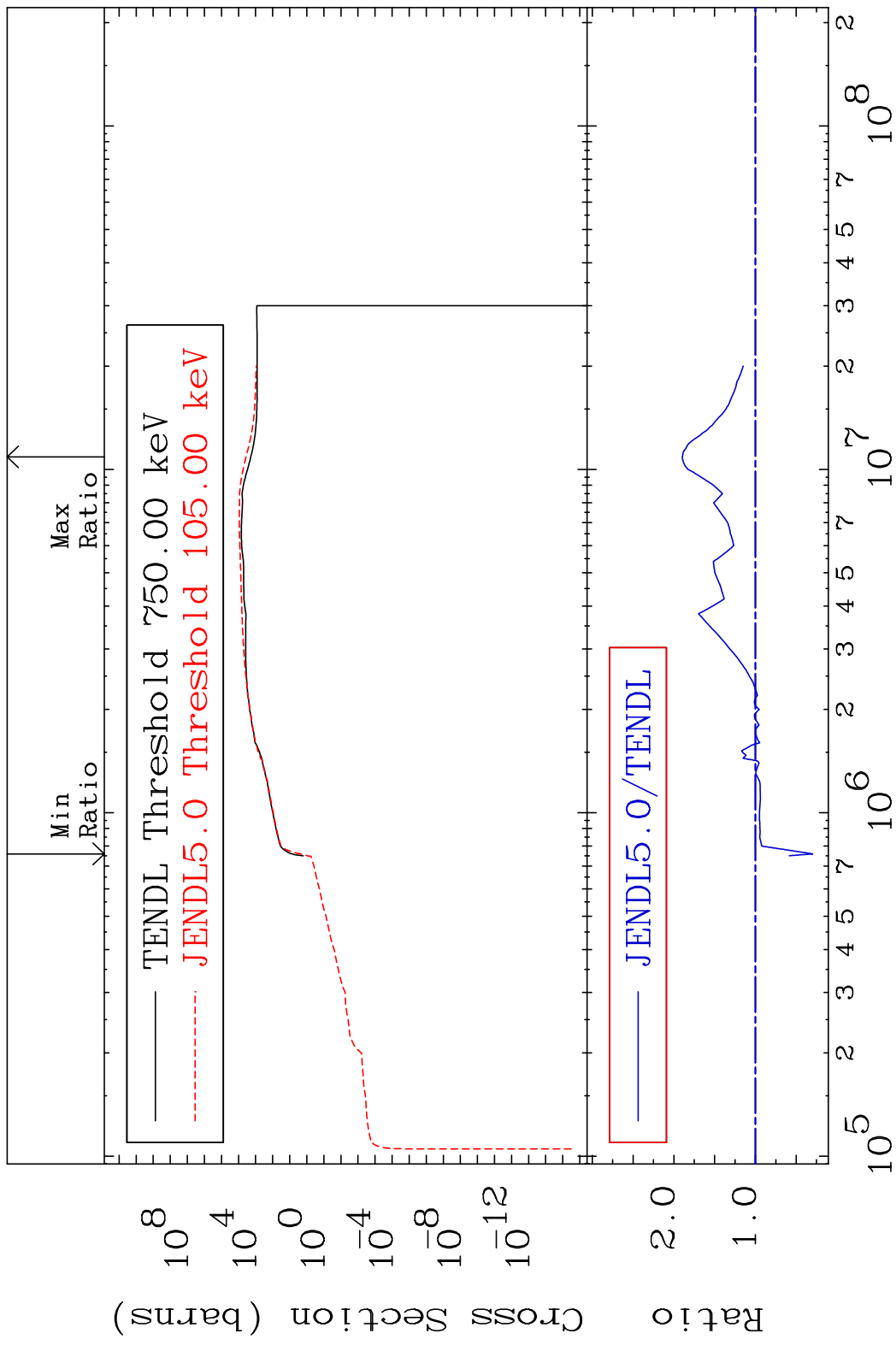


62

Incident Energy (eV)

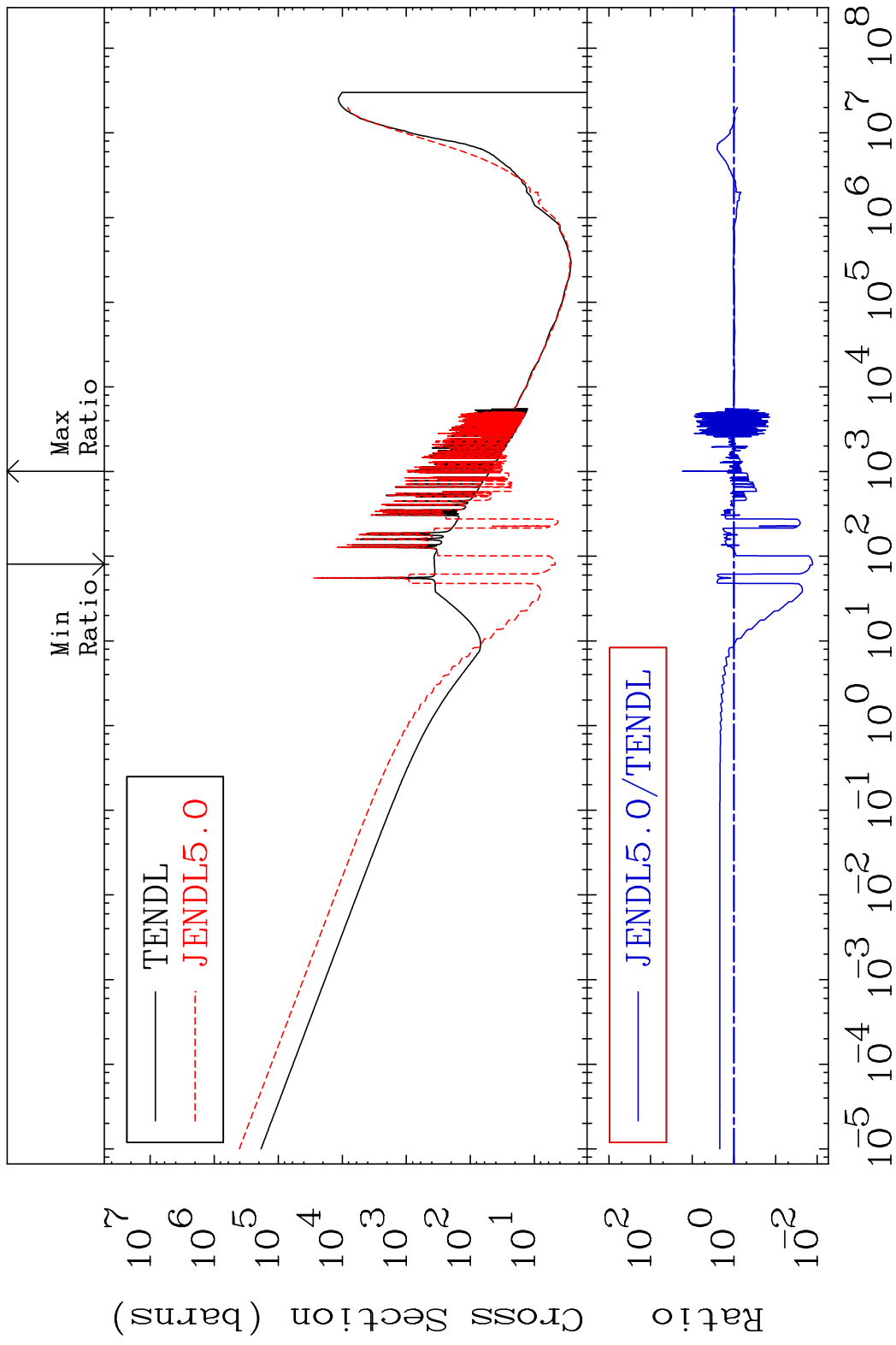
60-Nd-143

MAT 6028 Dpa inelastic (mt51-91) 60-Nd-143  
 Cross Section -70.06 To 89.57 %



63 Incident Energy (eV) 60-Nd-143

MAT 6028 Dpa disappearance (mt102 -120) 60-Nd-143  
 Cross Section -98.70 To 1626. %



64 Incident Energy (eV) 60-Nd-143