

Program Complot  
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

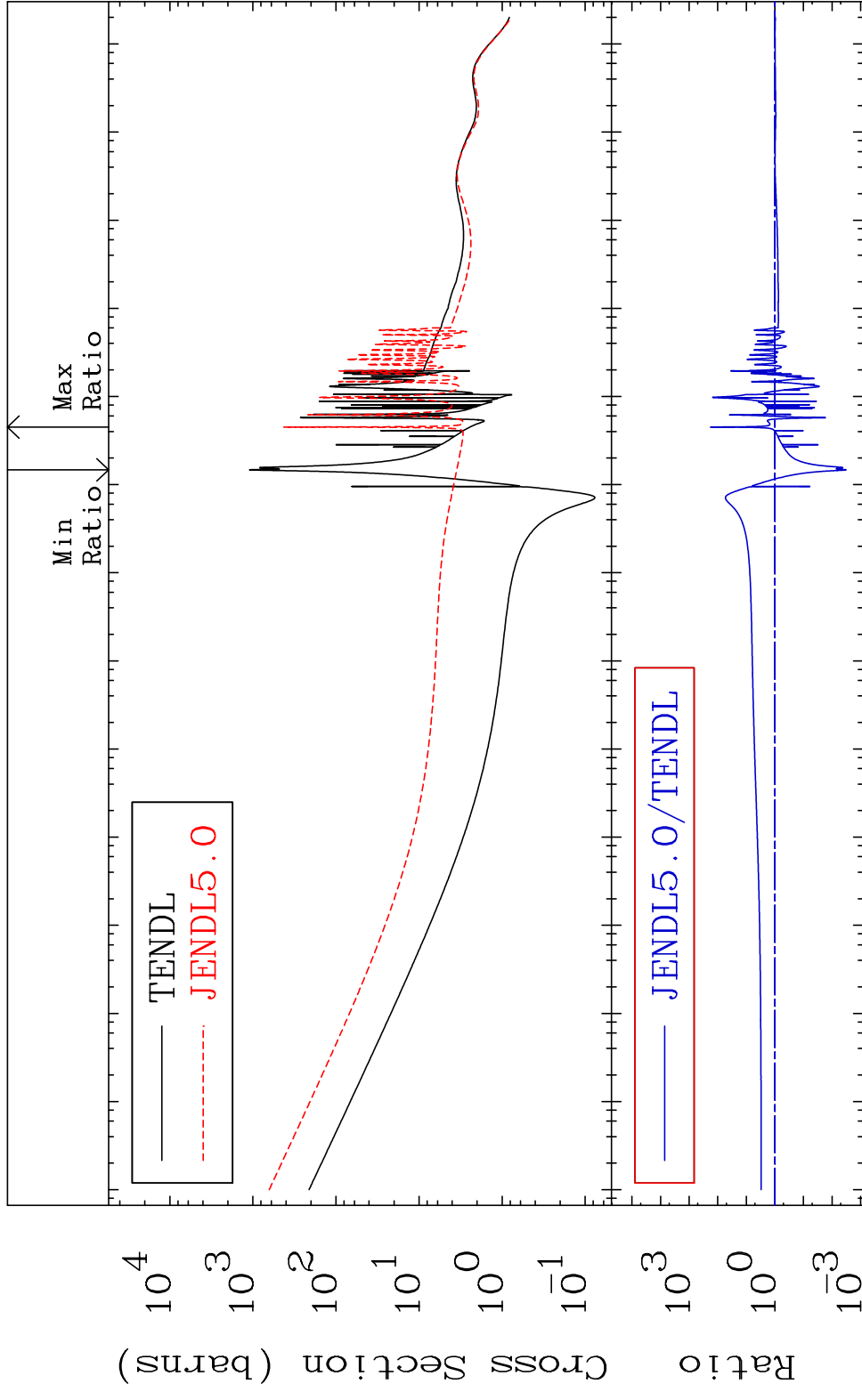
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 2028

Total Cross Section -99.68 To 9999. % 20-Ca-41

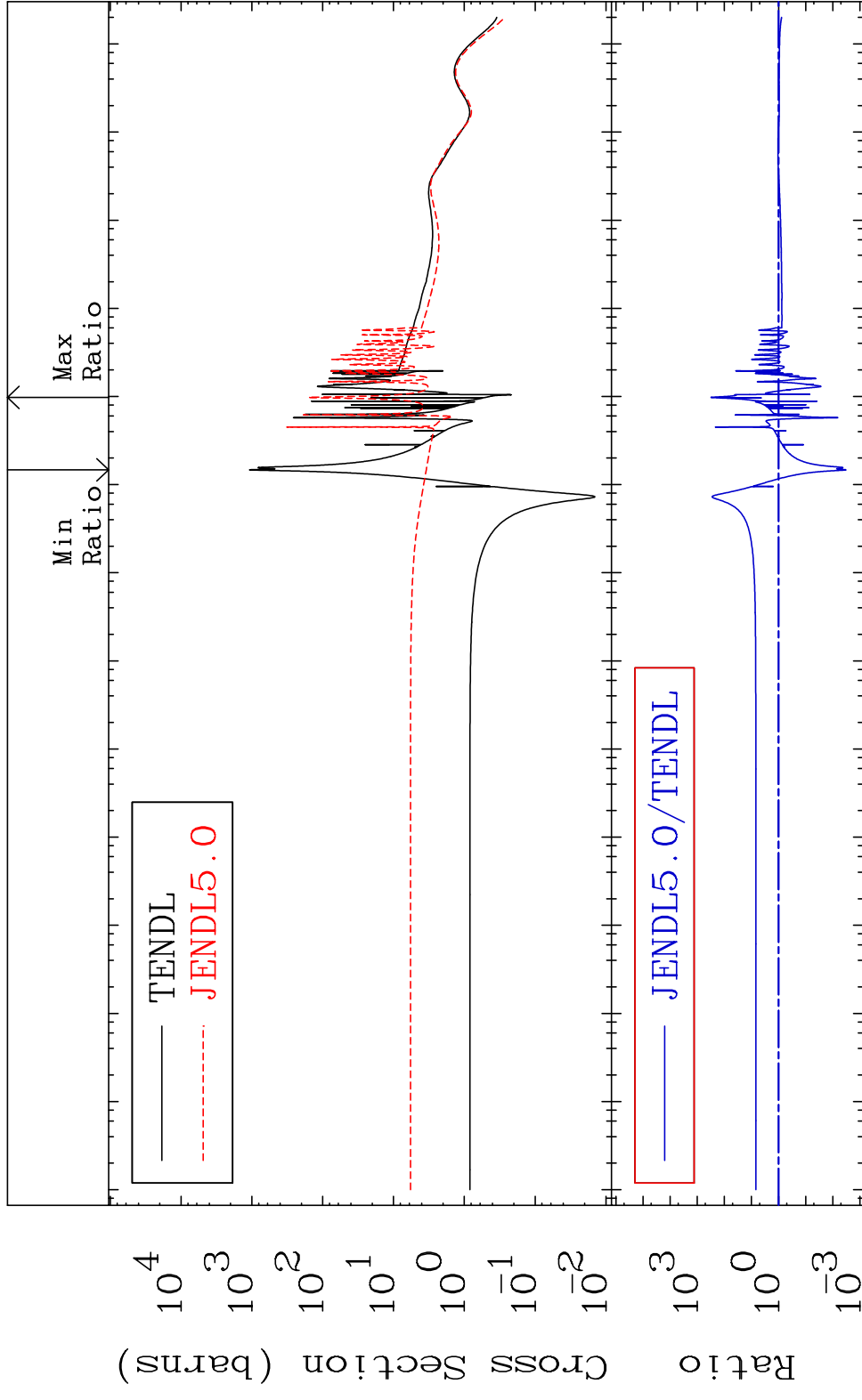


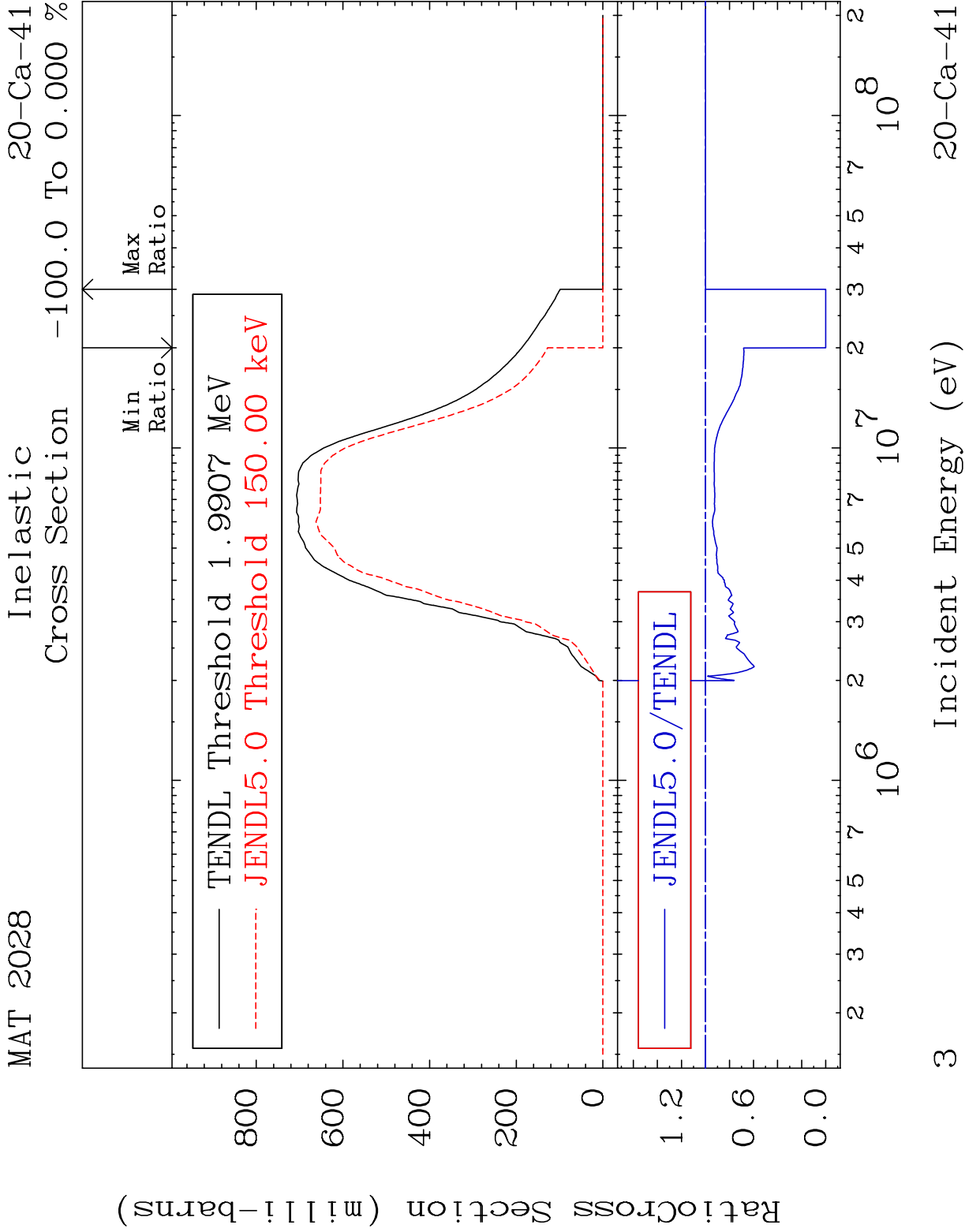
10<sup>4</sup> 10<sup>3</sup> 10<sup>2</sup> 10<sup>1</sup> 10<sup>0</sup> 10<sup>-1</sup> 10<sup>-2</sup> 10<sup>-3</sup> 10<sup>-4</sup> 10<sup>-5</sup> Incident Energy (eV)

1 20-Ca-41

MAT 2028

Elastic Cross Section -99.68 To 9999. % 20-Ca-41



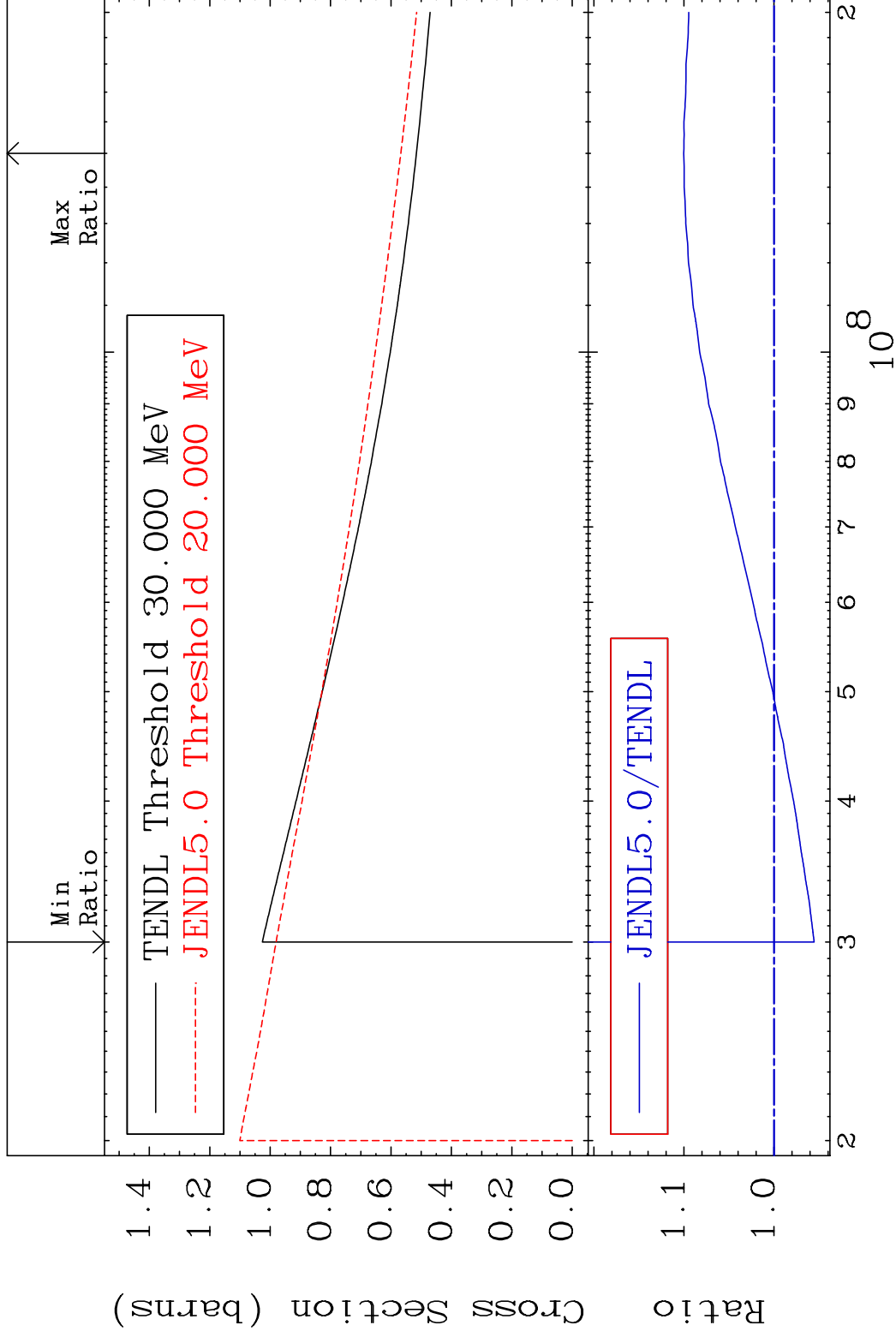


MAT 2028

(n, remainder)

20-Ca-41

Cross Section -4.454 To 10.04 %



4

Incident Energy (eV)

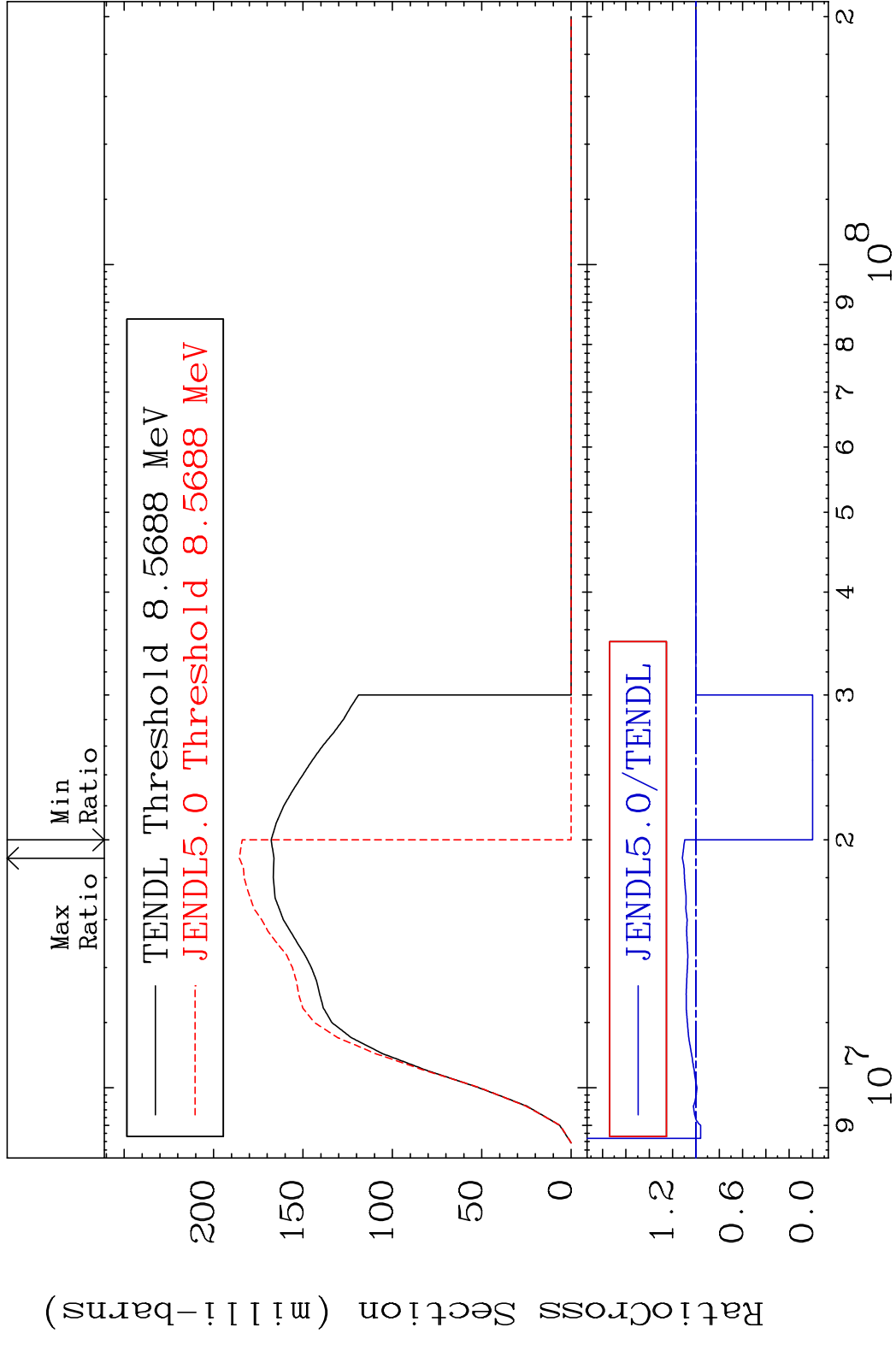
20-Ca-41

MAT 2028

(n,2n)

20-Ca-41

Cross Section -100.0 To 11.62 %

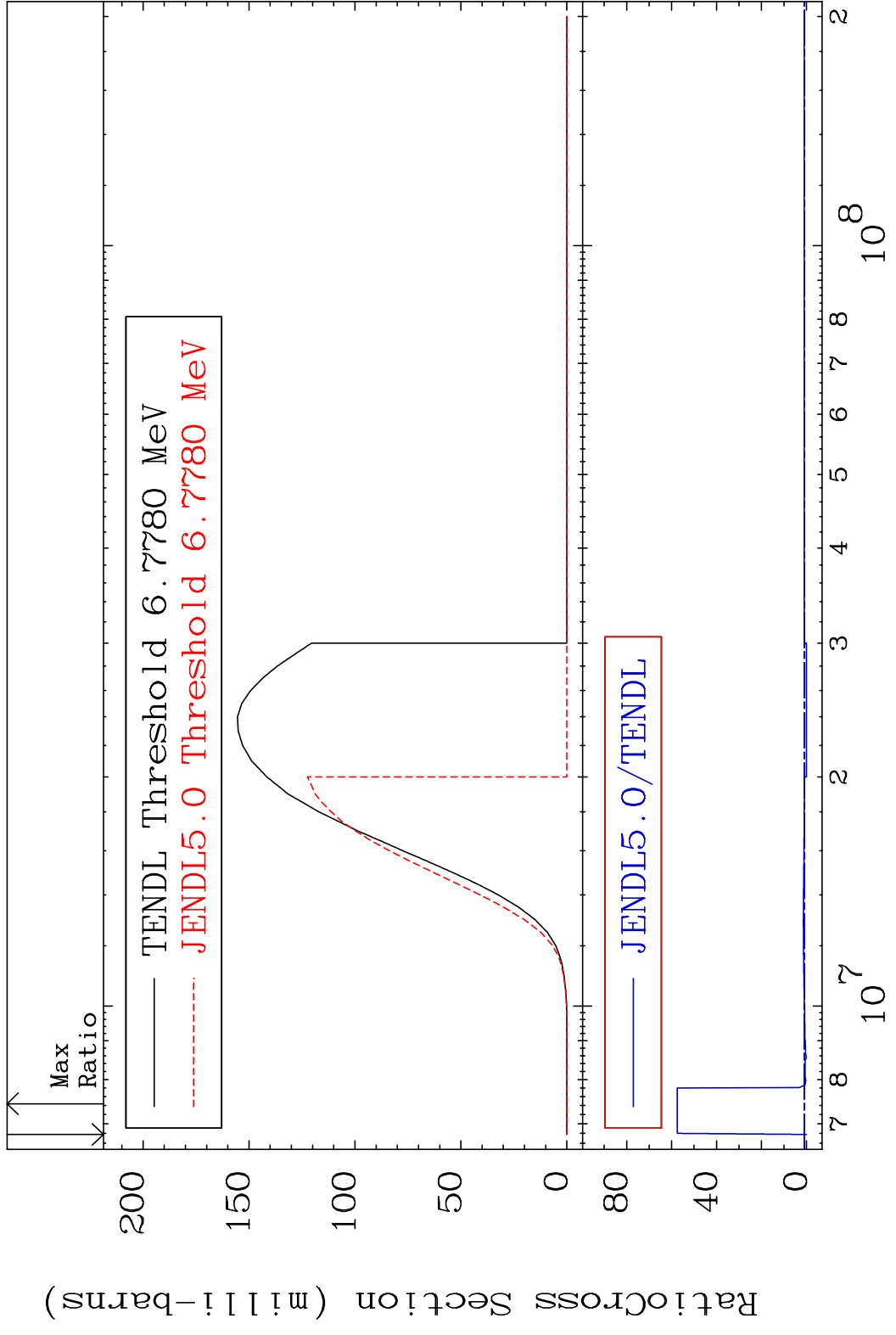


5

Incident Energy (eV)

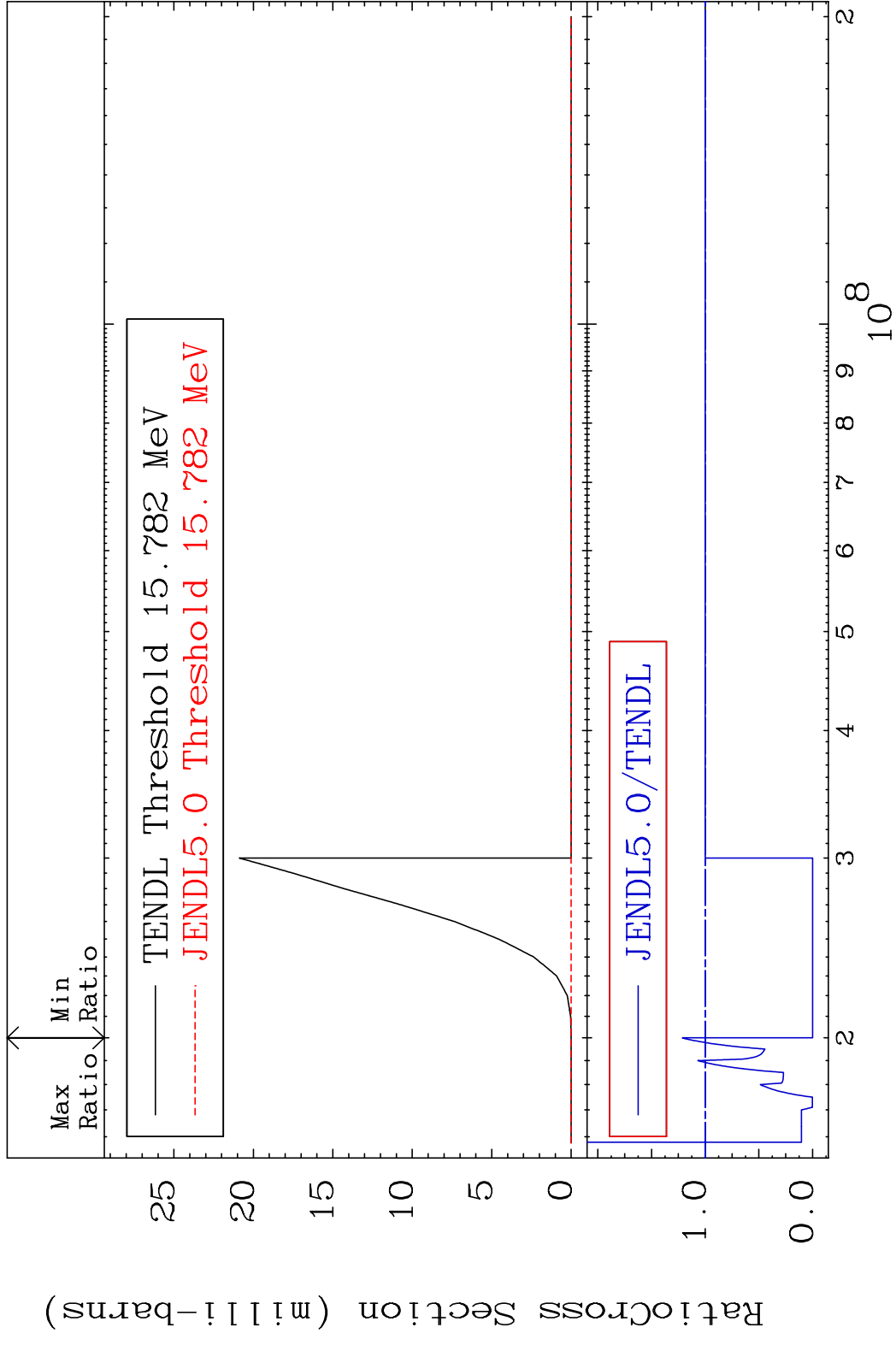
20-Ca-41

MAT 2028 (n, n')  $\alpha$  20-Ca-41  
 Cross Section -100.0 To 5652. %



6 7 8 10<sup>7</sup> 10<sup>8</sup> 2

MAT 2028 (n,2n)  $\alpha$  20-Ca-41  
 Cross Section -100.0 To 21.30 %



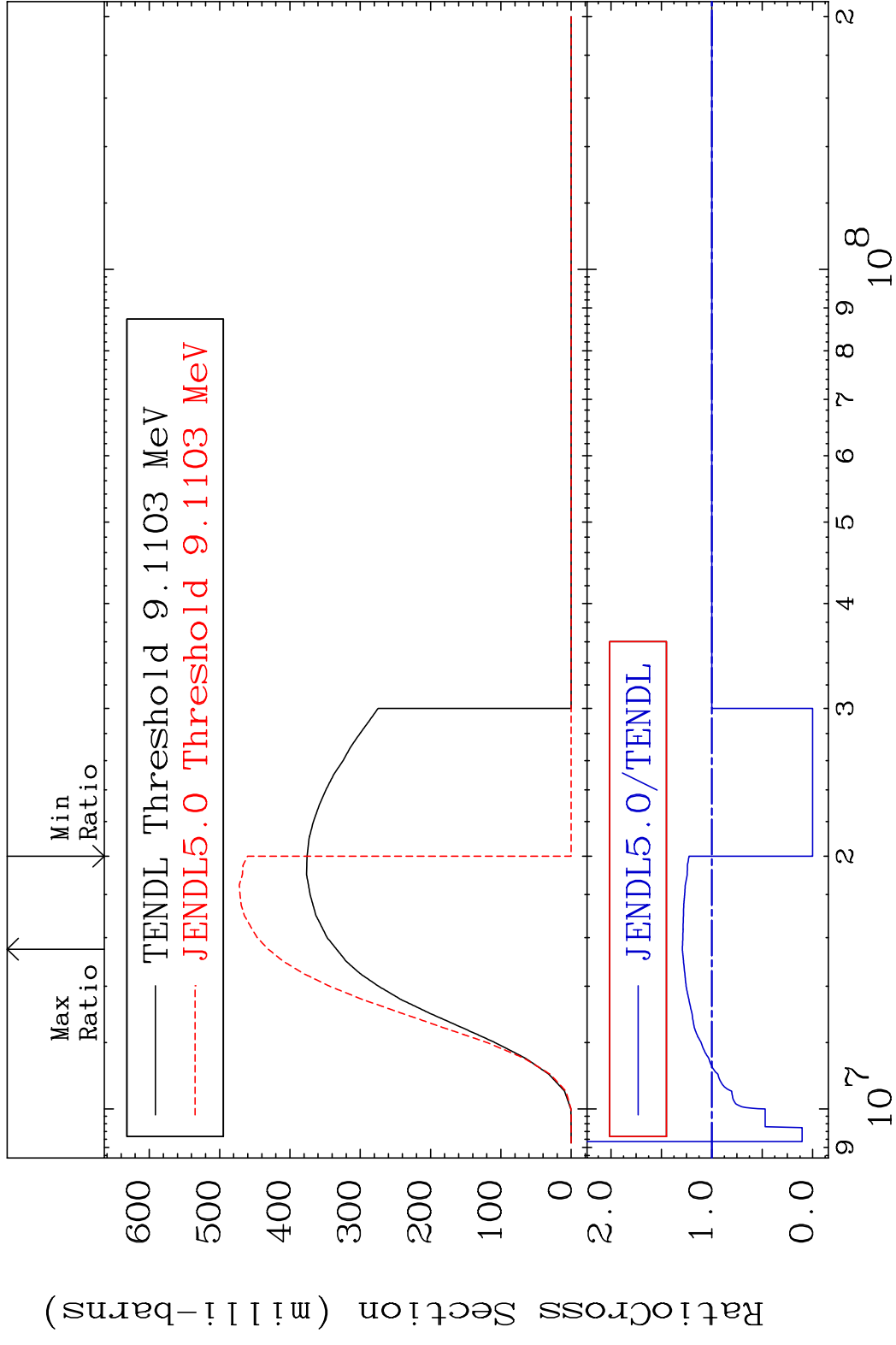
7 Incident Energy (eV) 20-Ca-41

MAT 2028

(n, n') p

20-Ca-41

Cross Section -100.0 To 29.13 %

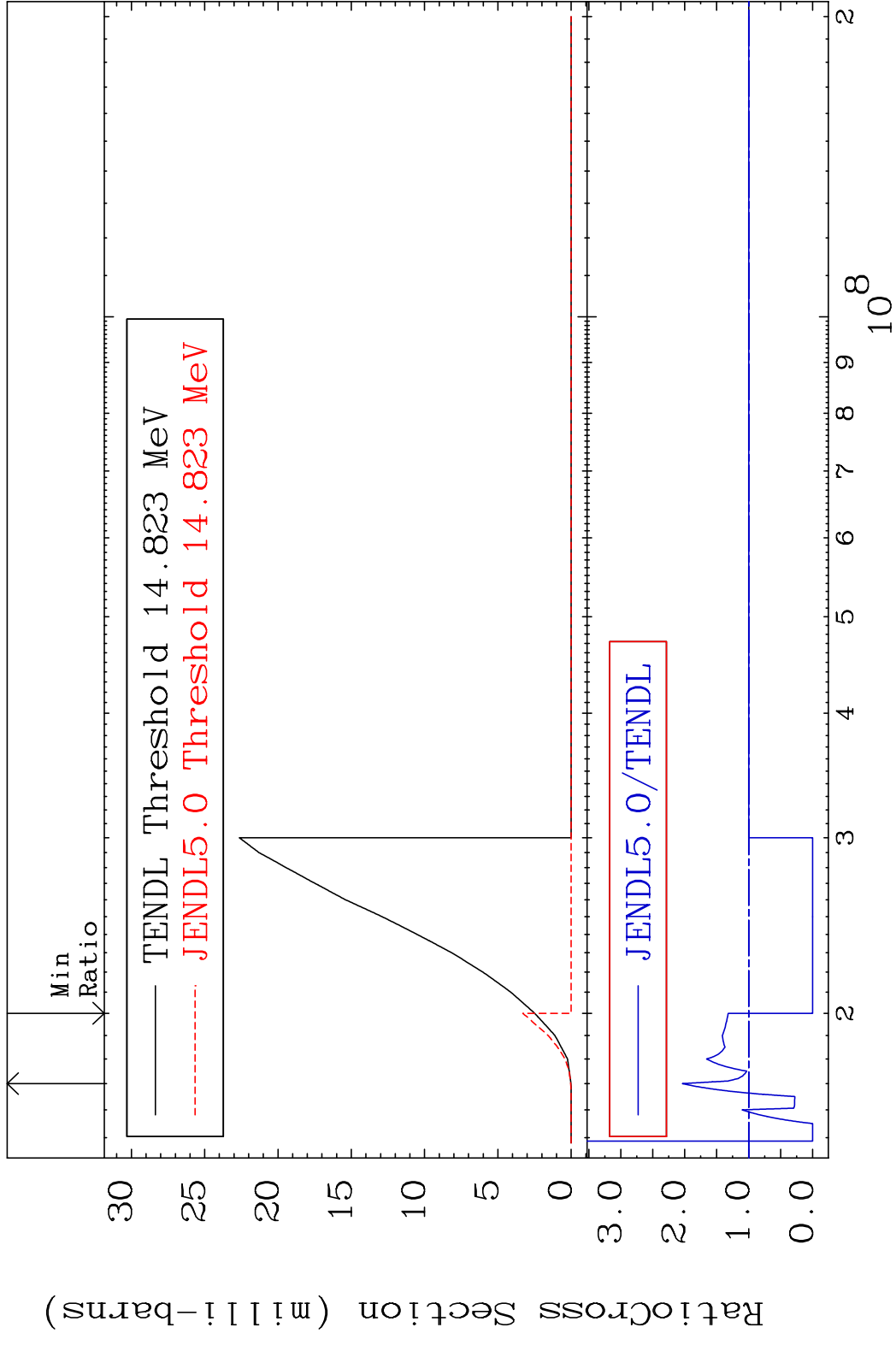


8

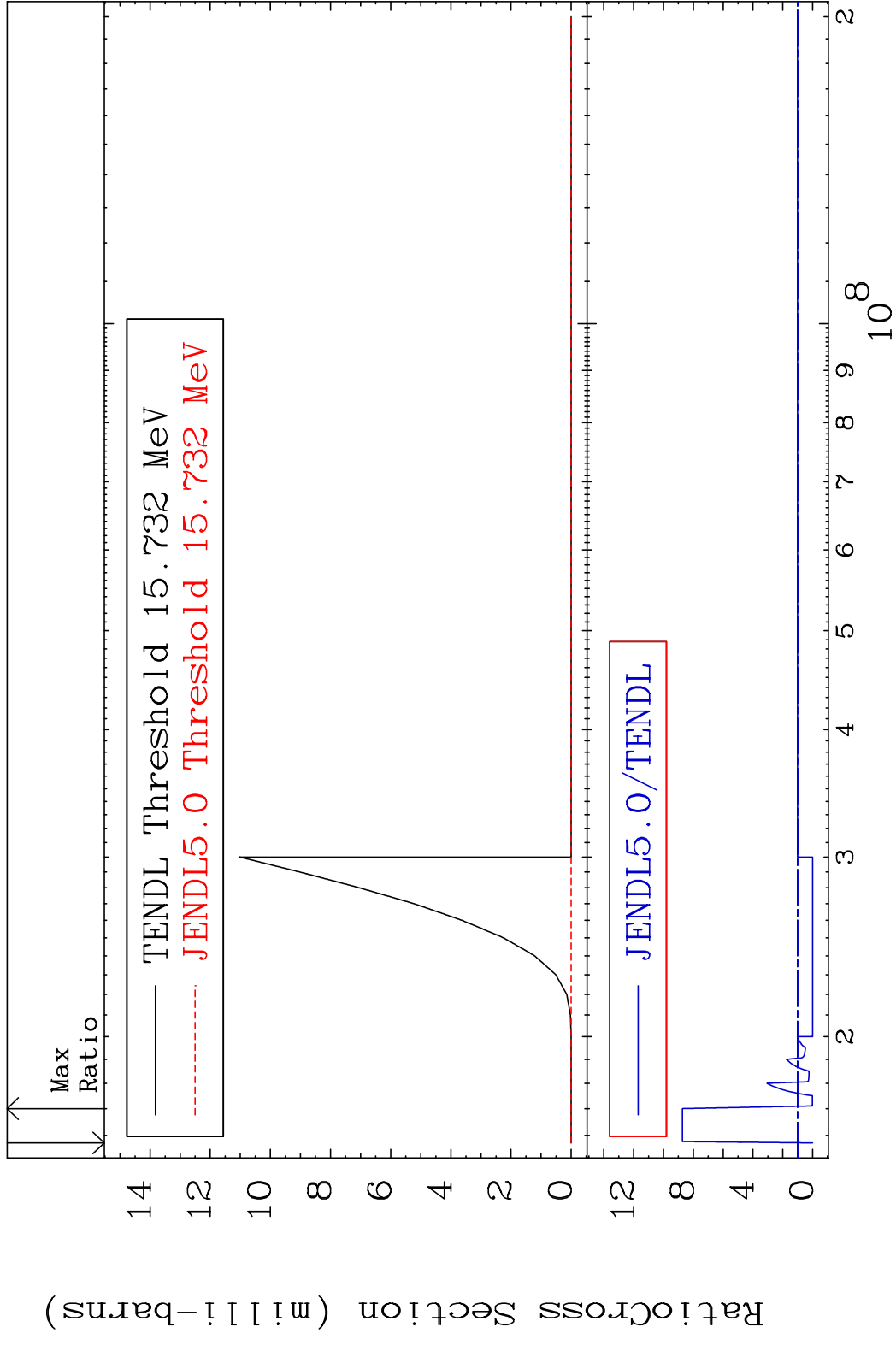
Incident Energy (eV)

20-Ca-41

MAT 2028 (n, n') d 20-Ca-41  
 Cross Section -100.0 To 103.7 %

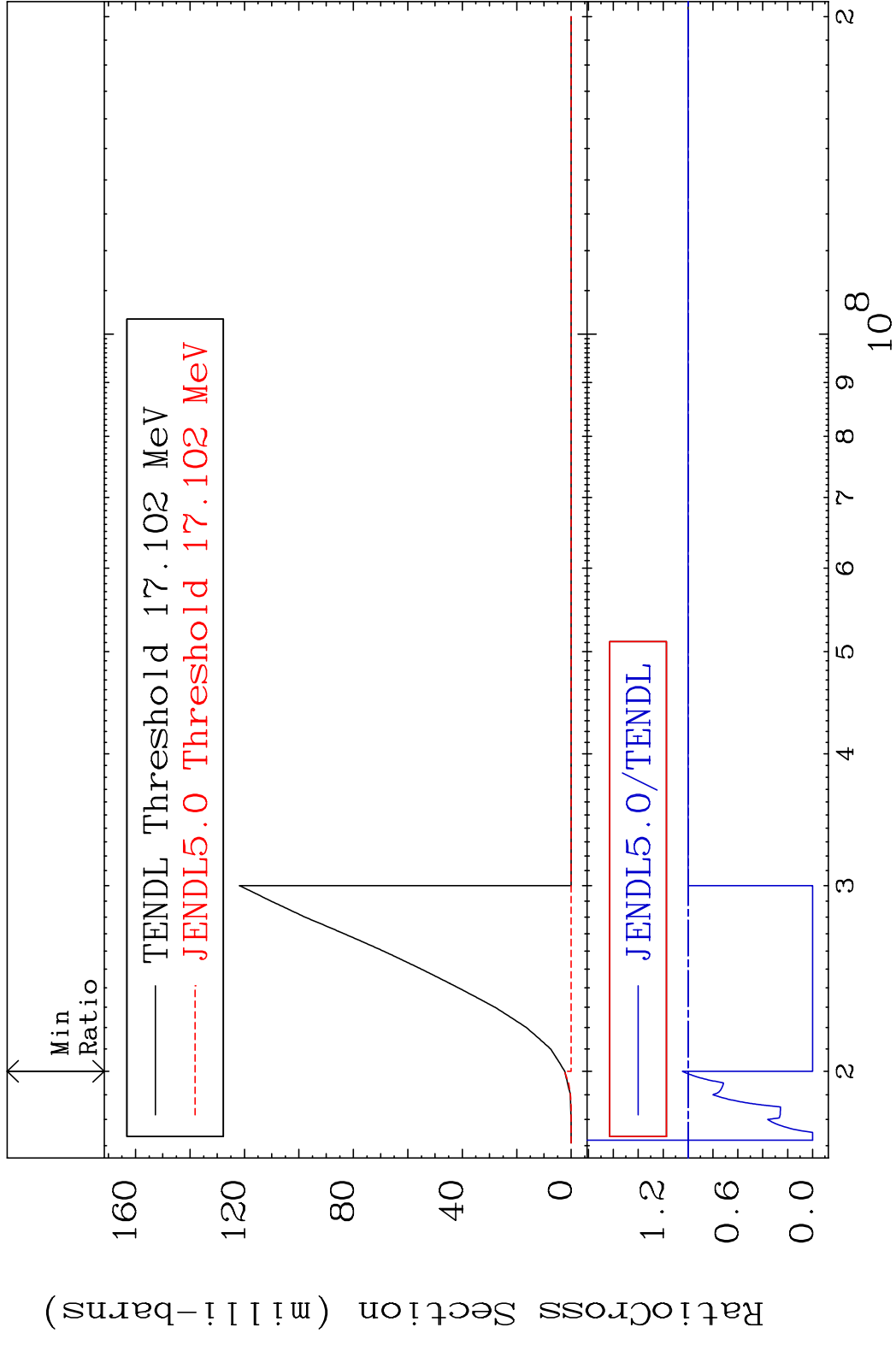


MAT 2028 (n,n') He-3 20-Ca-41  
 Cross Section -100.0 To 773.3 %

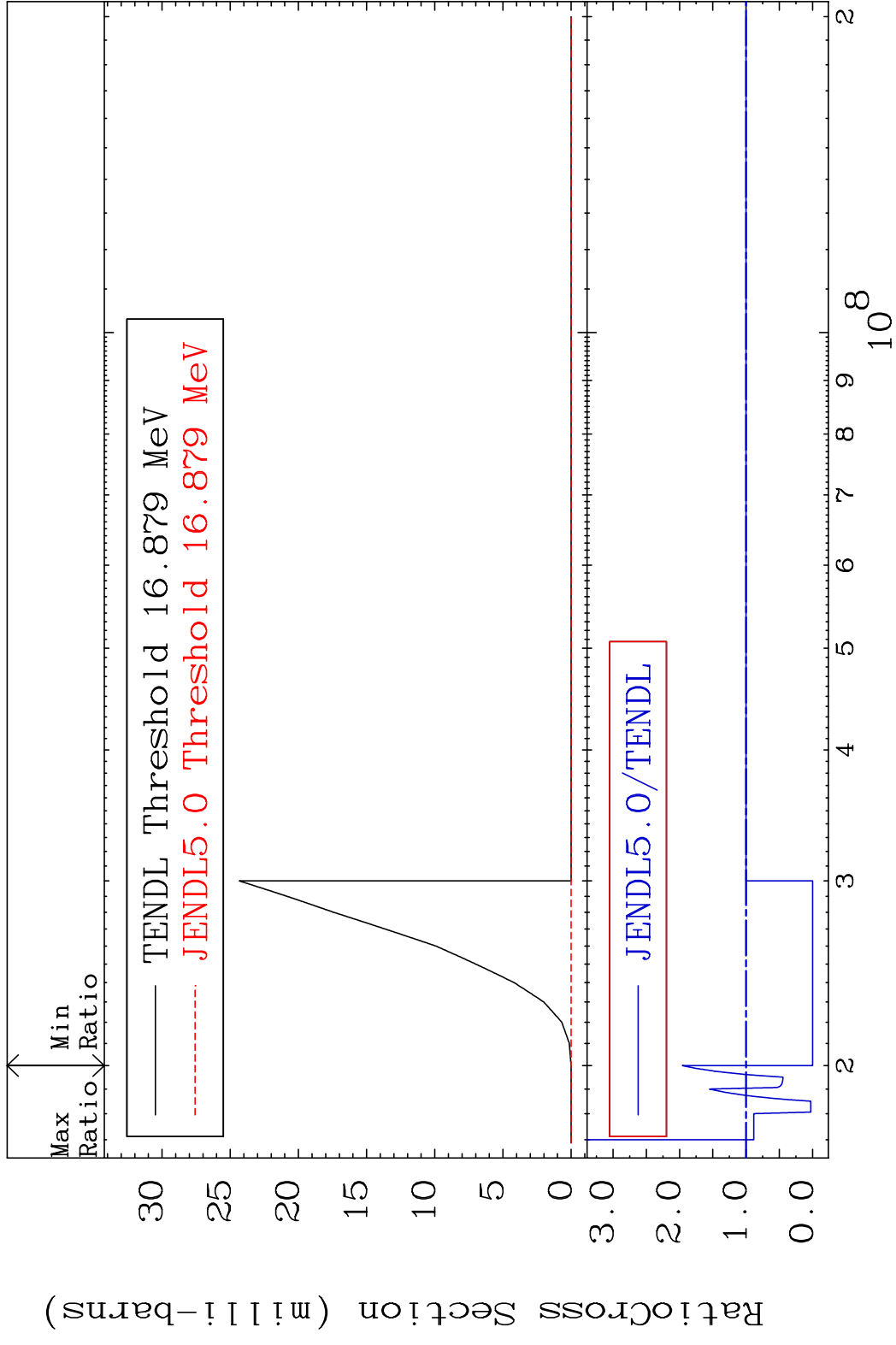


10 Incident Energy (eV) 20-Ca-41

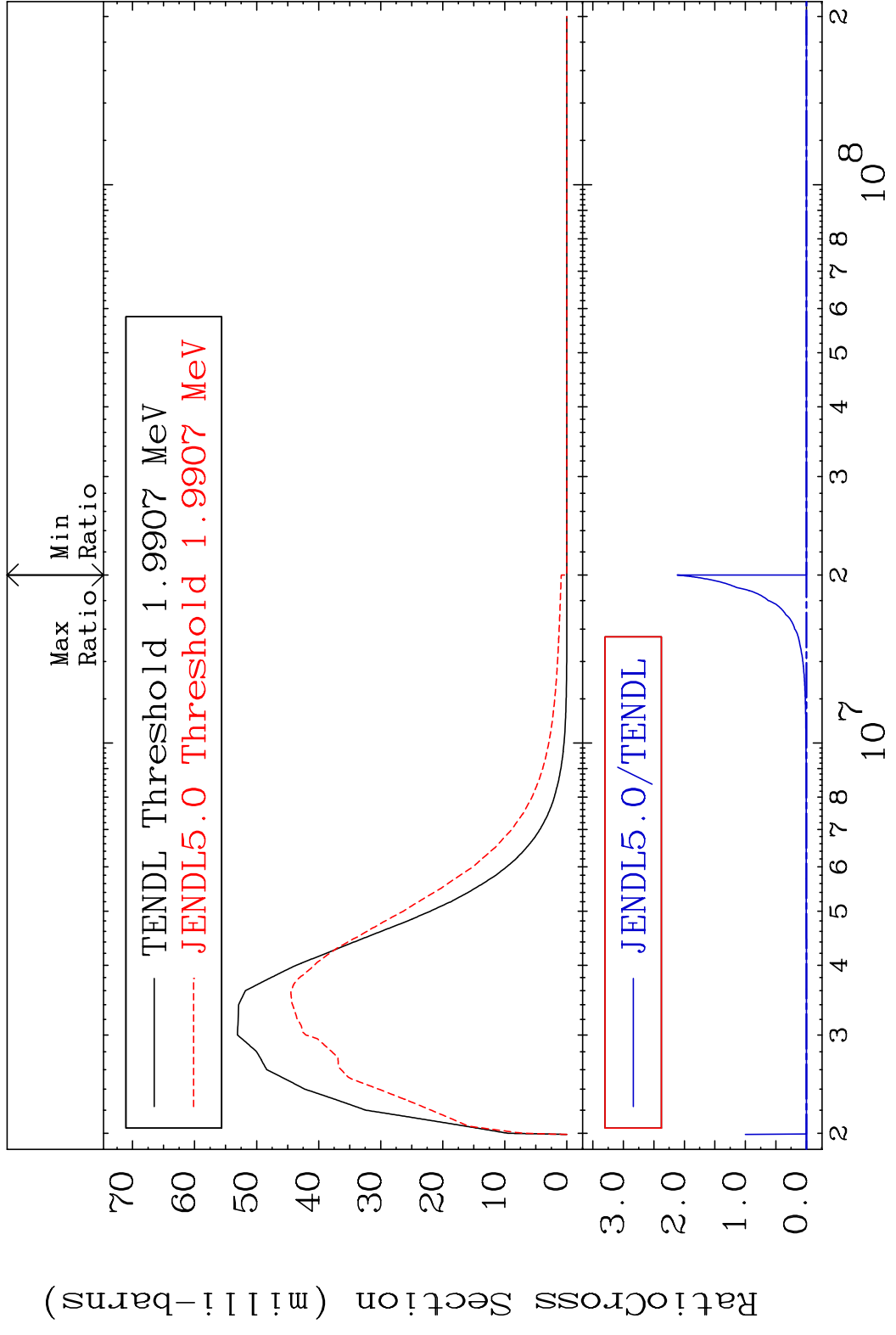
MAT 2028 (n,2n) p 20-Ca-41  
 Cross Section -100.0 To 4.576 %



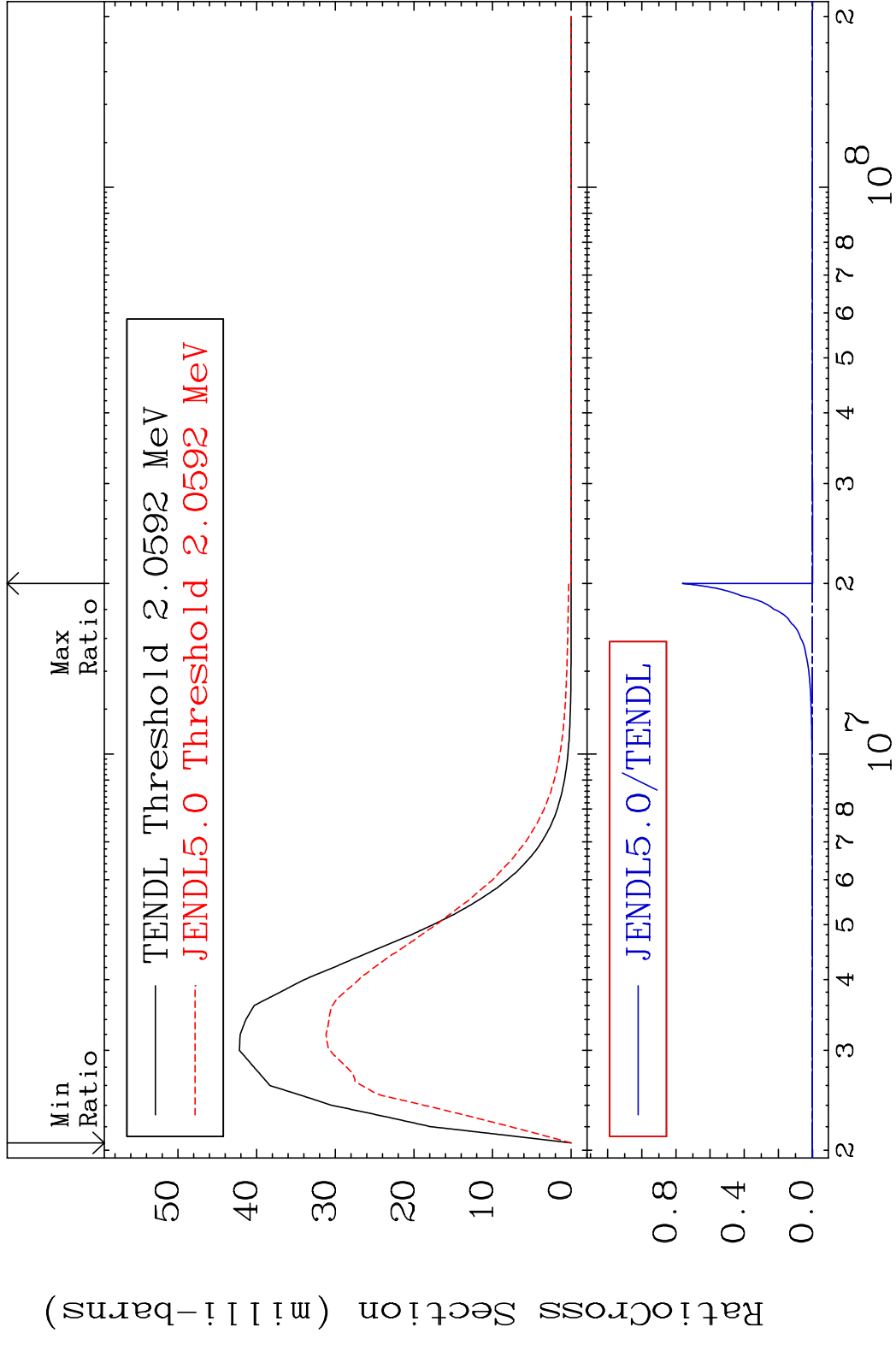
MAT 2028 (n,2n) p 20-Ca-41  
 Cross Section -100.0 To 95.78 %



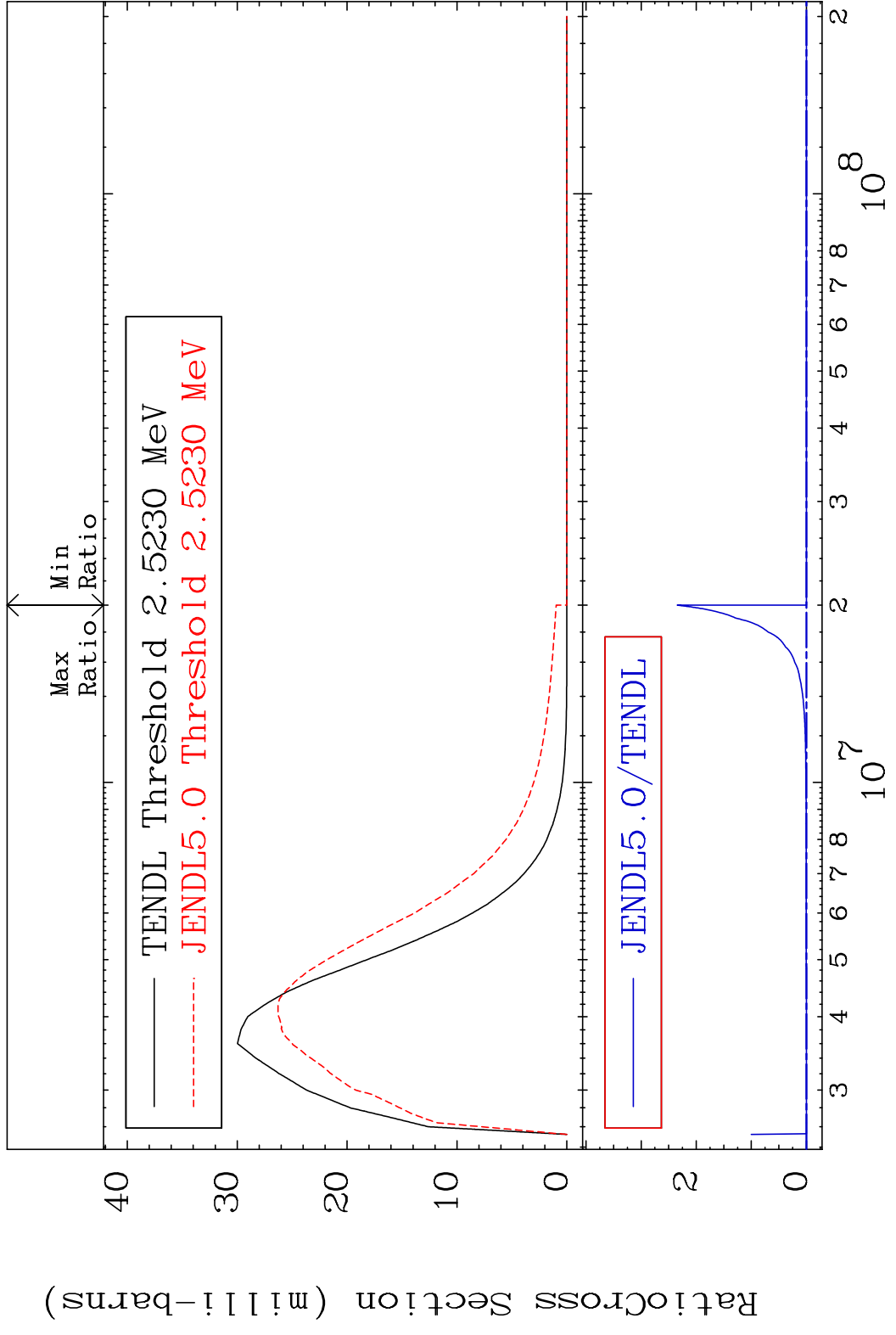
MAT 2028 MT= 51 (n, n') Level 20-Ca-41  
 Cross Section -100.0 To 9999. %



MAT 2028 MT= 52 (n, n') Level 20-Ca-41  
 Cross Section -100.0 To 9999. %

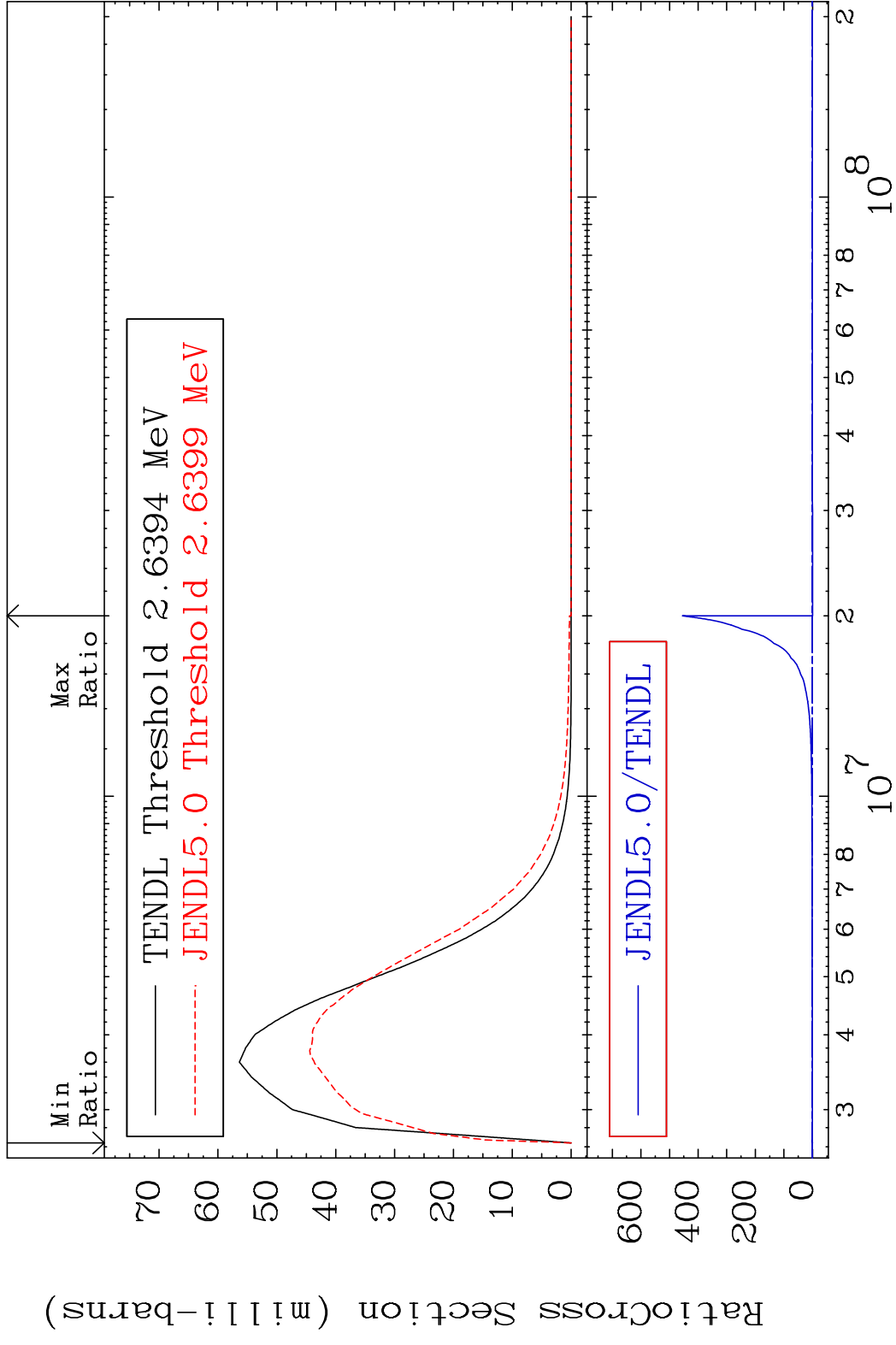


MAT 2028 MT= 53 (n, n') Level 20-Ca-41  
 Cross Section -100.0 To 9999. %

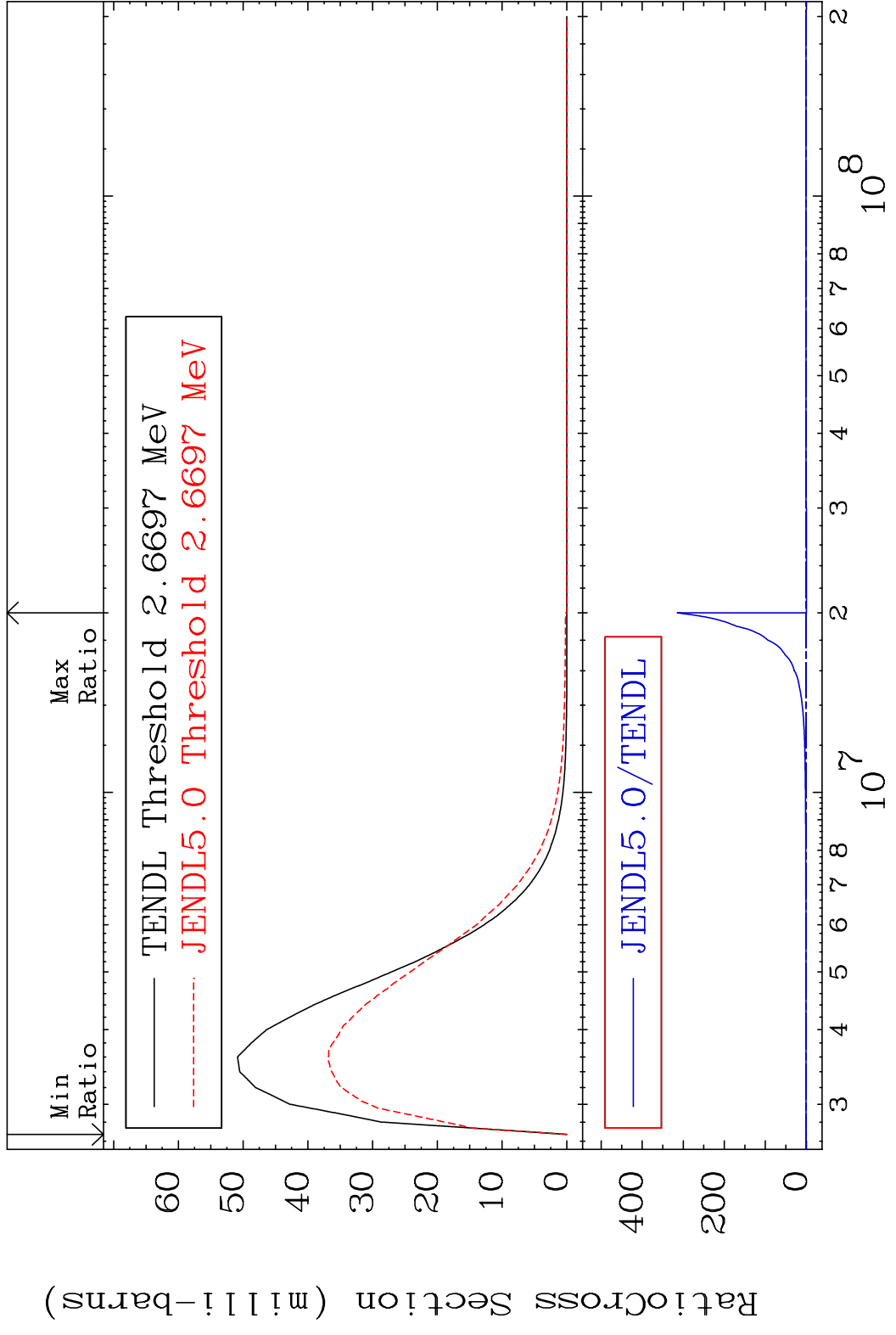


15 20-Ca-41

MAT 2028 MT= 54 (n, n') Level 20-Ca-41  
 Cross Section -100.0 To 9999. %

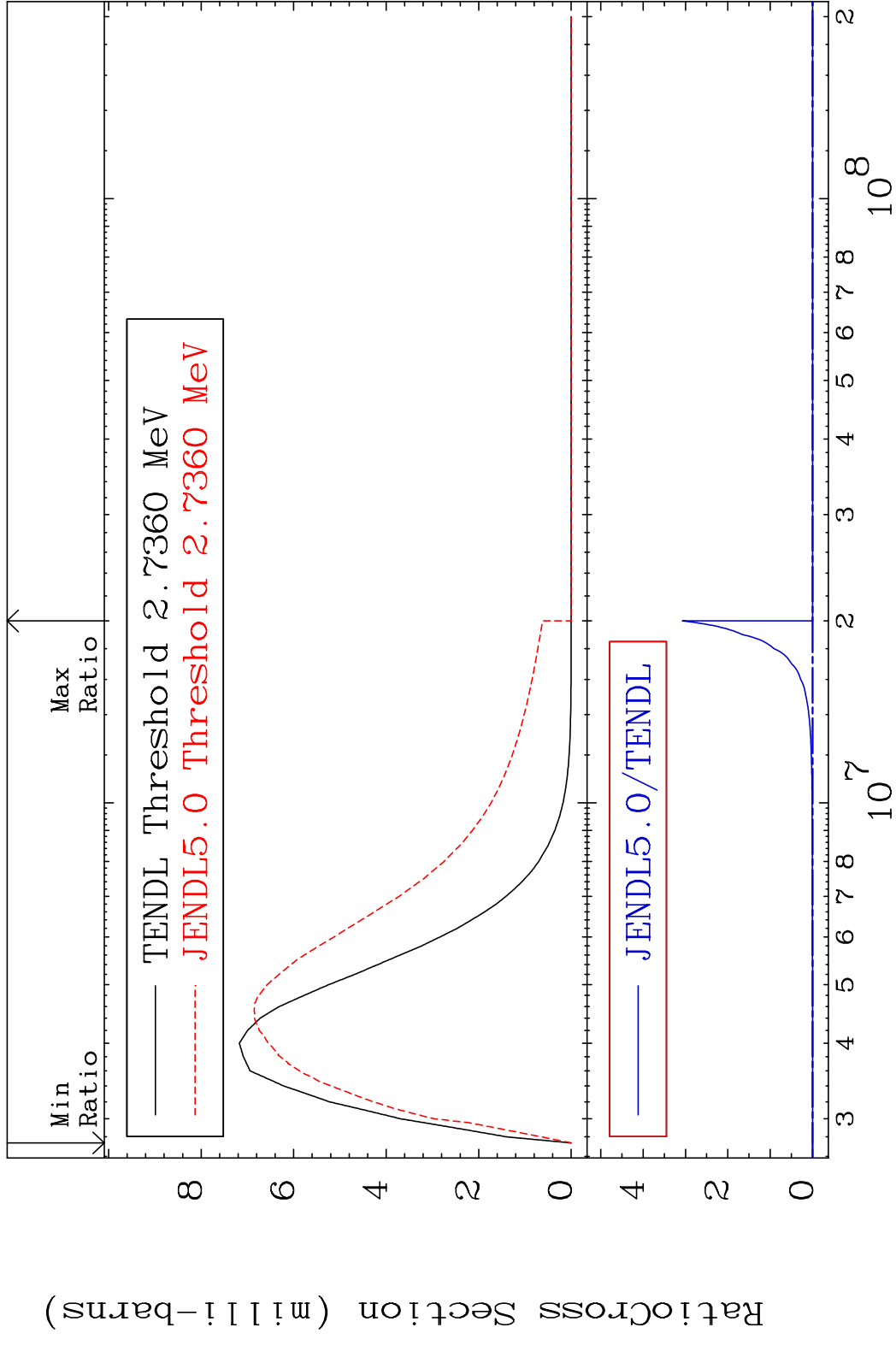


MAT 2028 MT= 55 (n, n') Level 20-Ca-41  
 Cross Section -100.0 To 9999. %

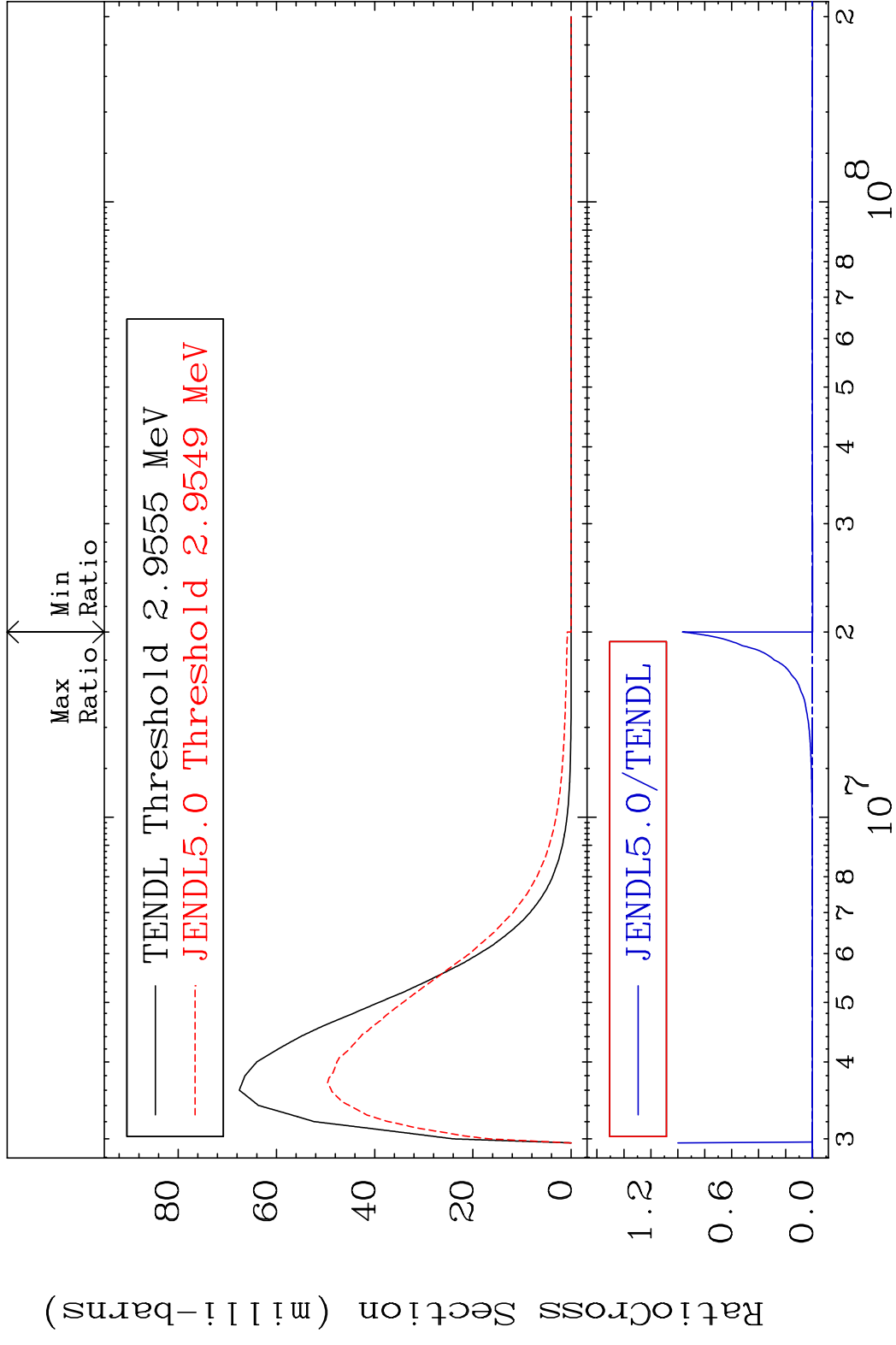


17 Incident Energy (eV) 20-Ca-41

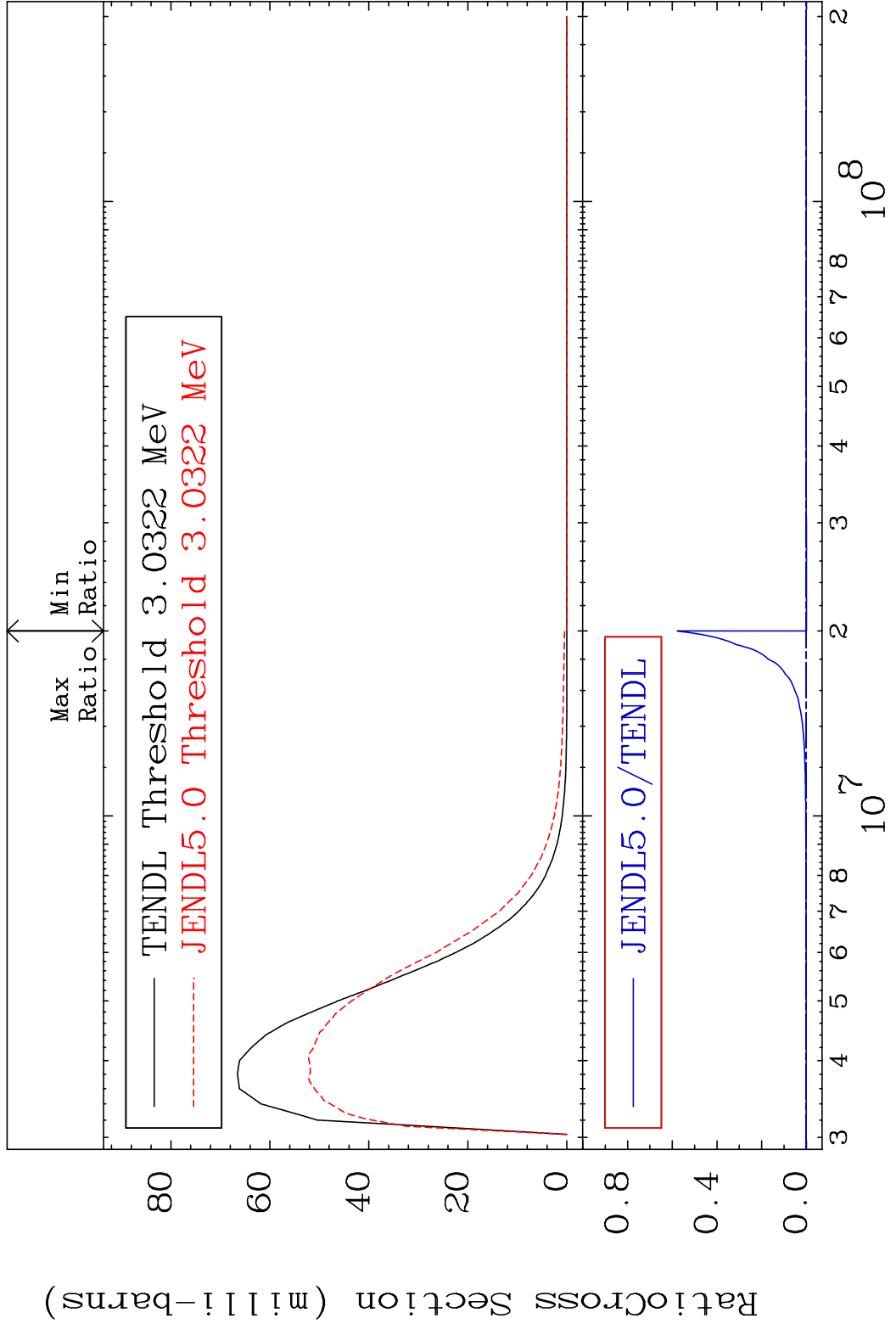
MAT 2028 MT= 56 (n, n') Level 20-Ca-41  
 Cross Section -100.0 To 9999. %



MAT 2028 MT= 57 (n, n') Level 20-Ca-41  
 Cross Section -100.0 To 9999. %

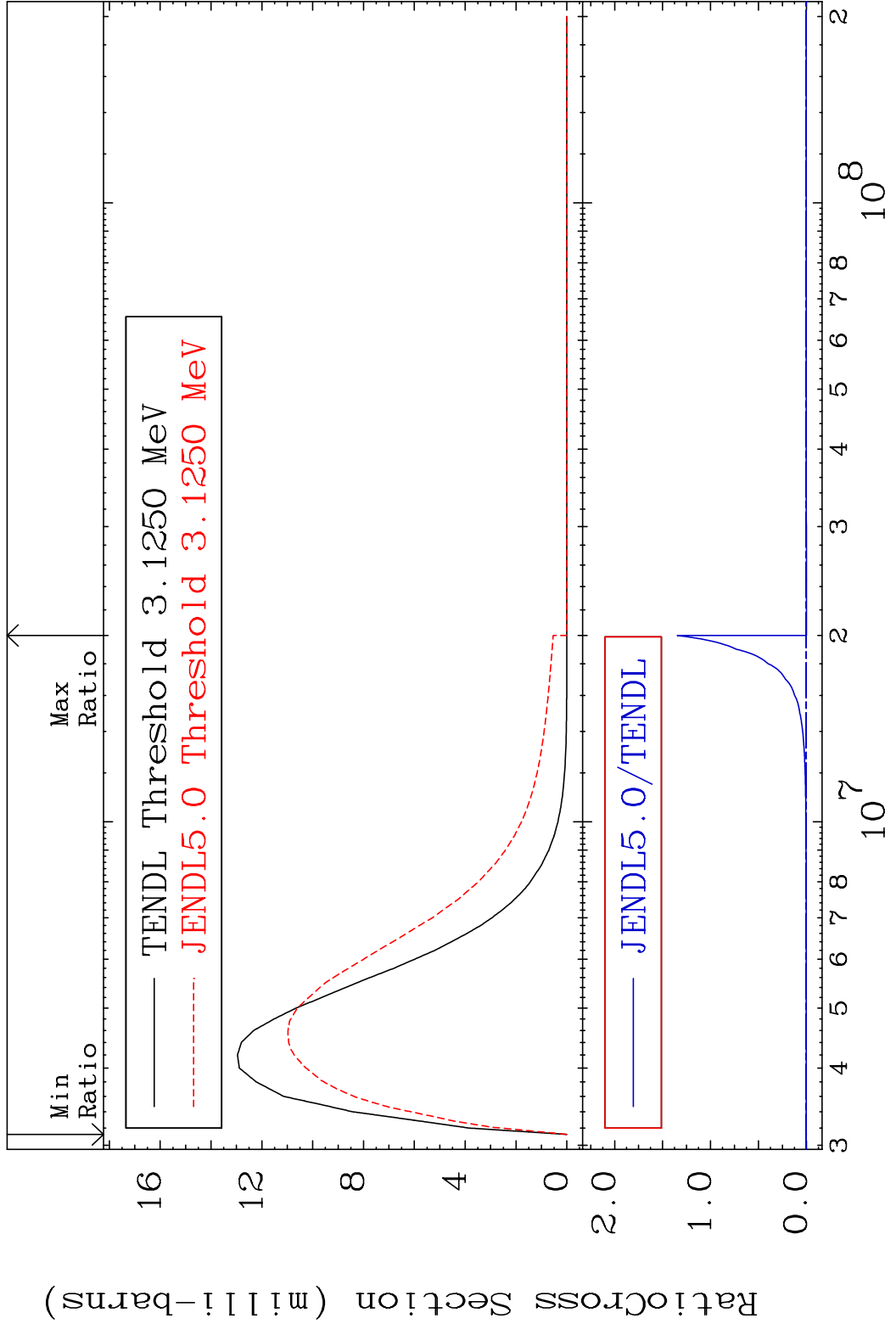


MAT 2028 MT= 58 (n, n') Level 20-Ca-41  
 Cross Section -100.0 To 9999. %

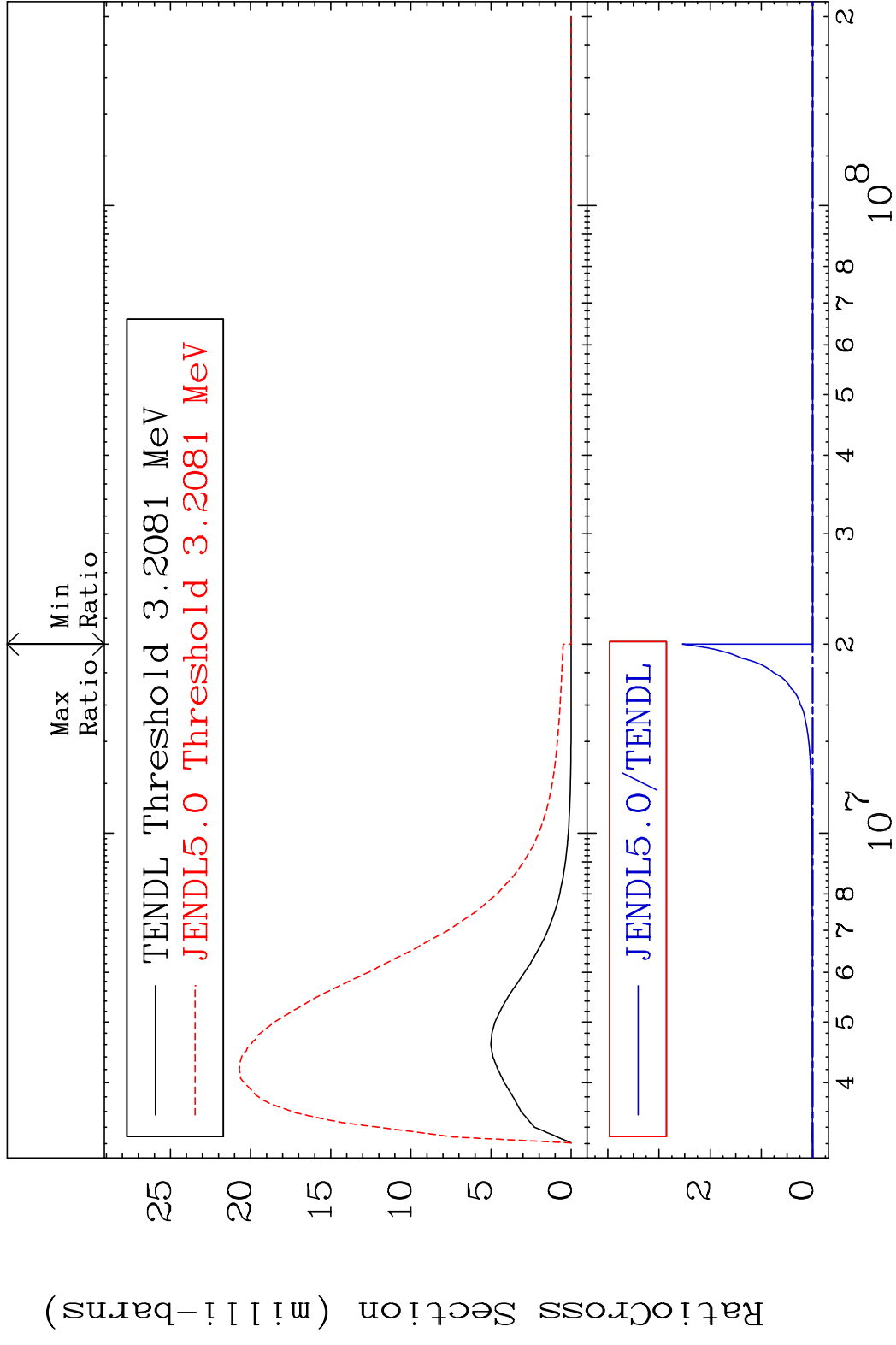


20 Incident Energy (eV) 20-Ca-41

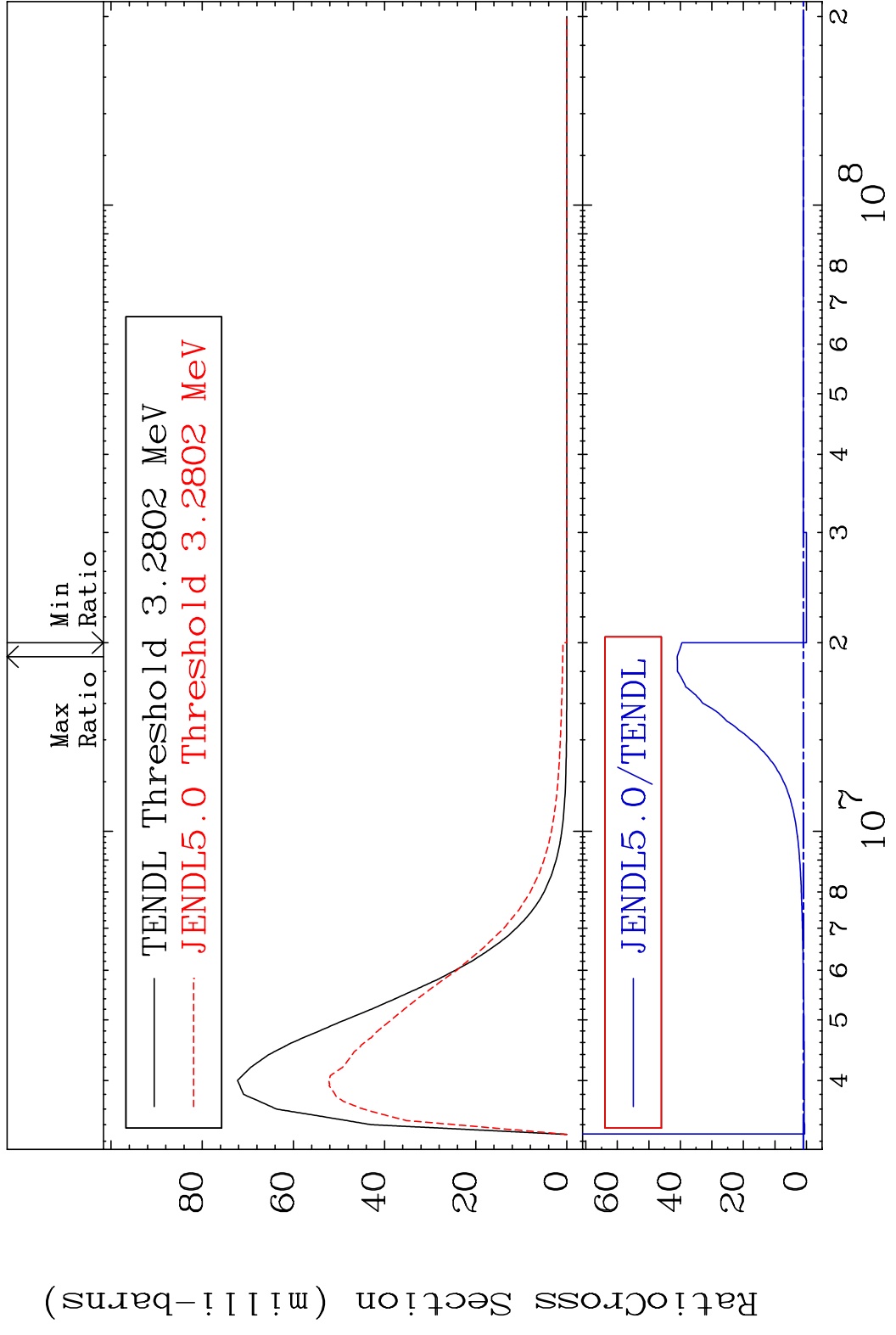
MAT 2028 MT= 59 (n,n') Level 20-Ca-41  
 Cross Section -100.0 To 9999. %



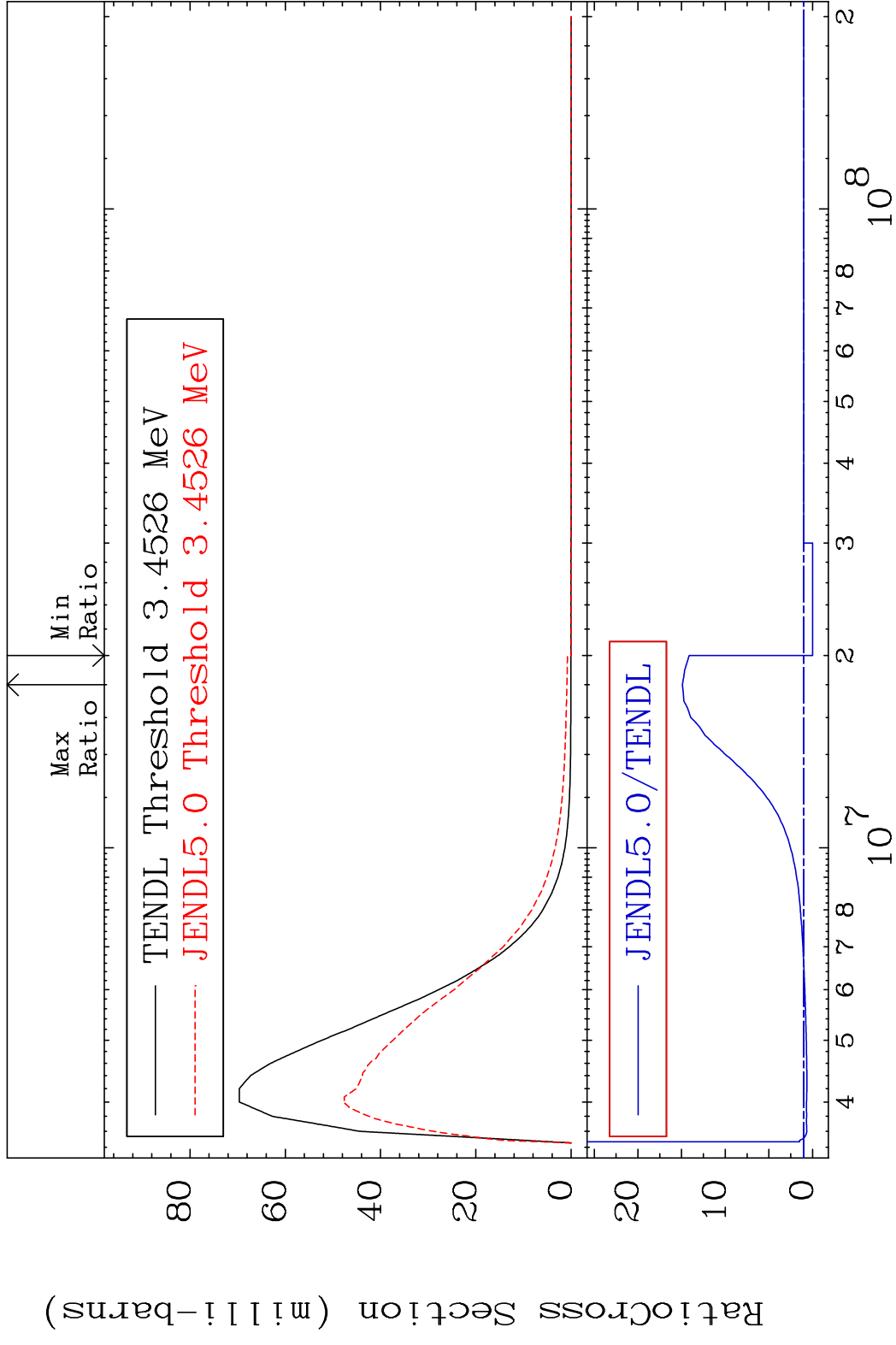
MAT 2028 MT= 60 (n, n') Level 20-Ca-41  
 Cross Section -100.0 To 9999. %



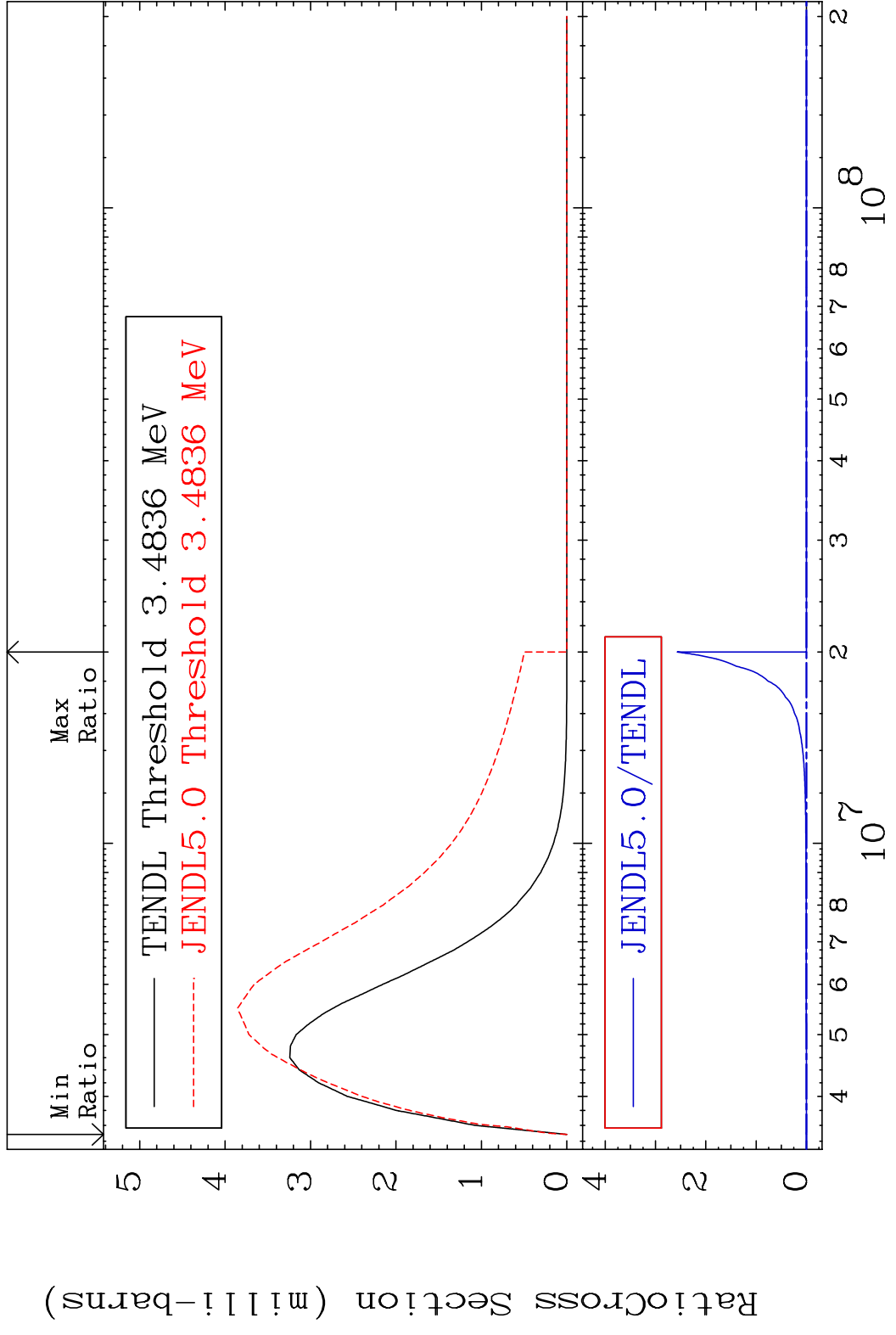
MAT 2028 MT= 61 (n, n') Level 20-Ca-41  
 Cross Section -100.0 To 4000. %



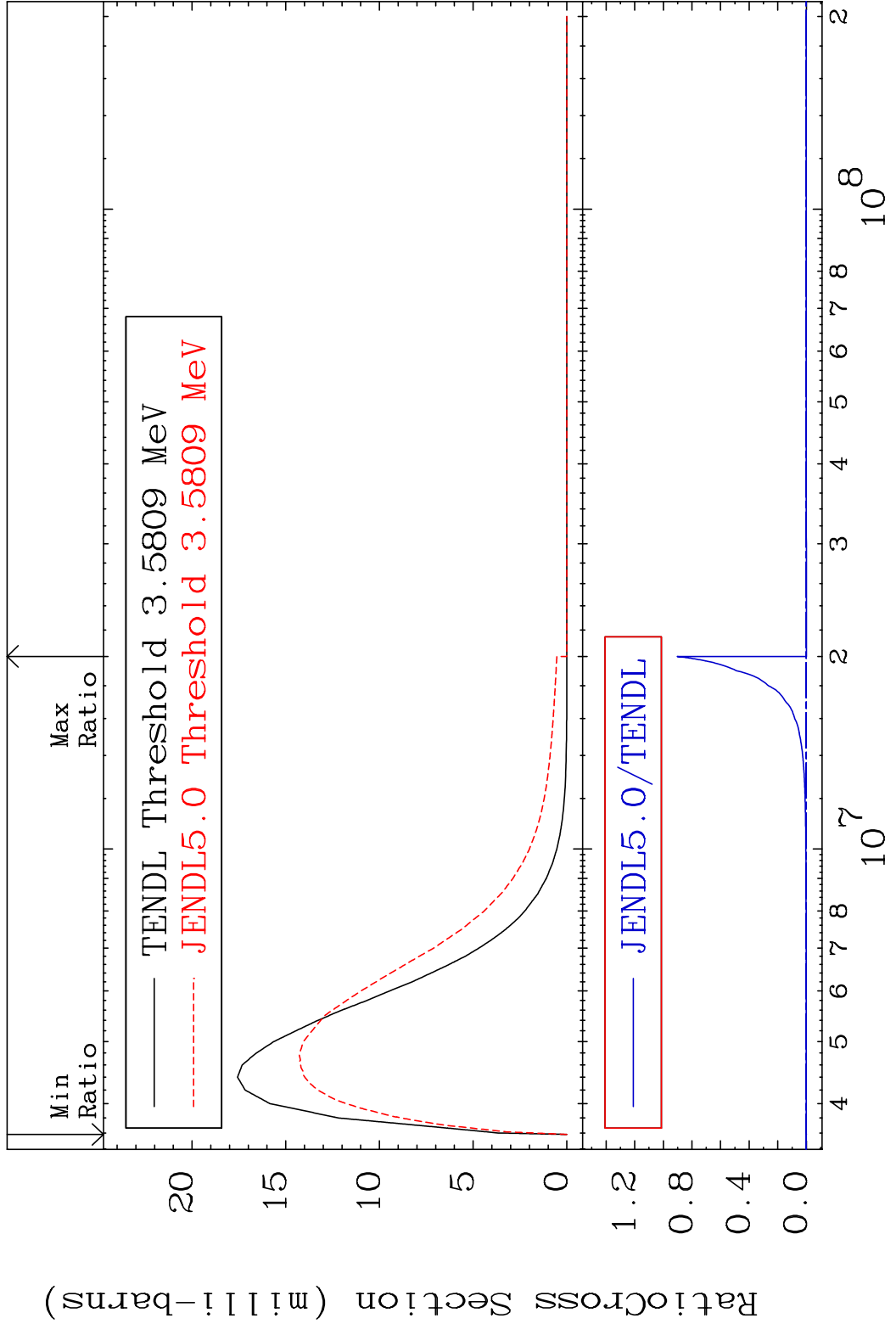
MAT 2028 MT= 62 (n, n') Level 20-Ca-41  
 Cross Section -100.0 To 1391. %



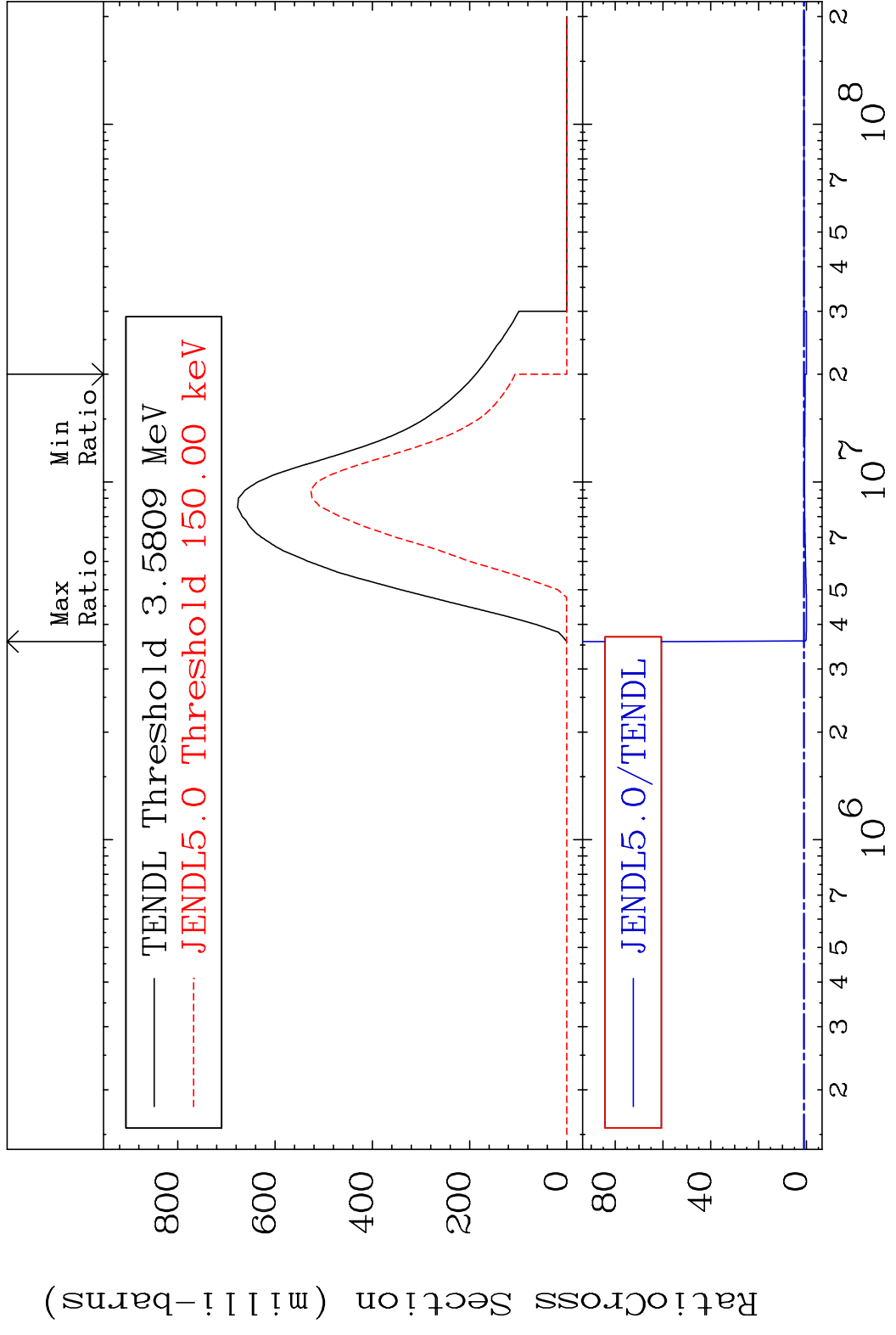
MAT 2028 MT= 63 (n, n') Level 20-Ca-41  
 Cross Section -100.0 To 9999. %



MAT 2028 MT= 64 (n, n') Level 20-Ca-41  
 Cross Section -100.0 To 9999. %



MAT 2028 (n, n') Continuum 20-Ca-41  
 Cross Section -100.0 To 5305. %

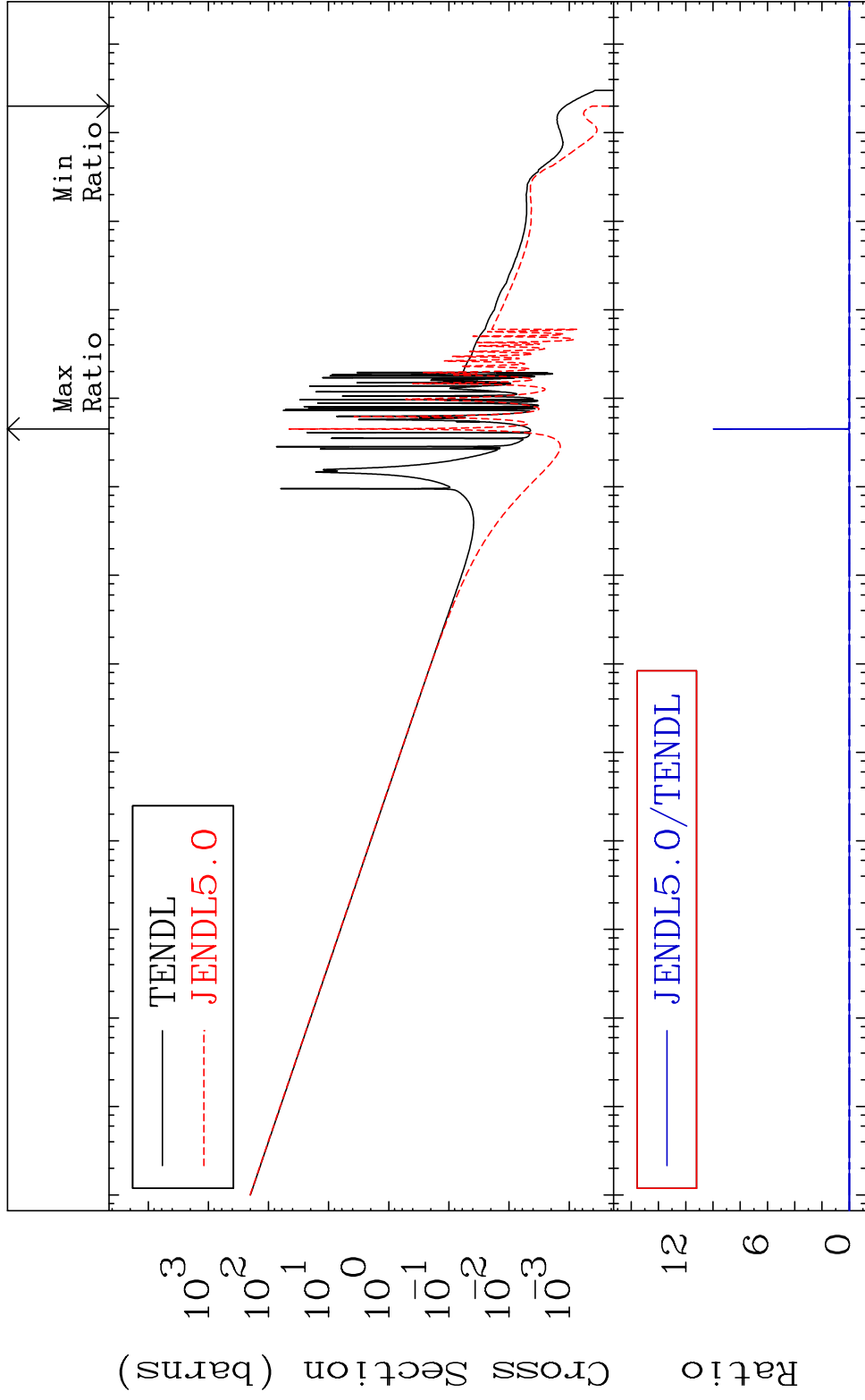


MAT 2028

(n,  $\gamma$ )

20-Ca-41

Cross Section -100.0 To 9999. %



28

Incident Energy (eV)

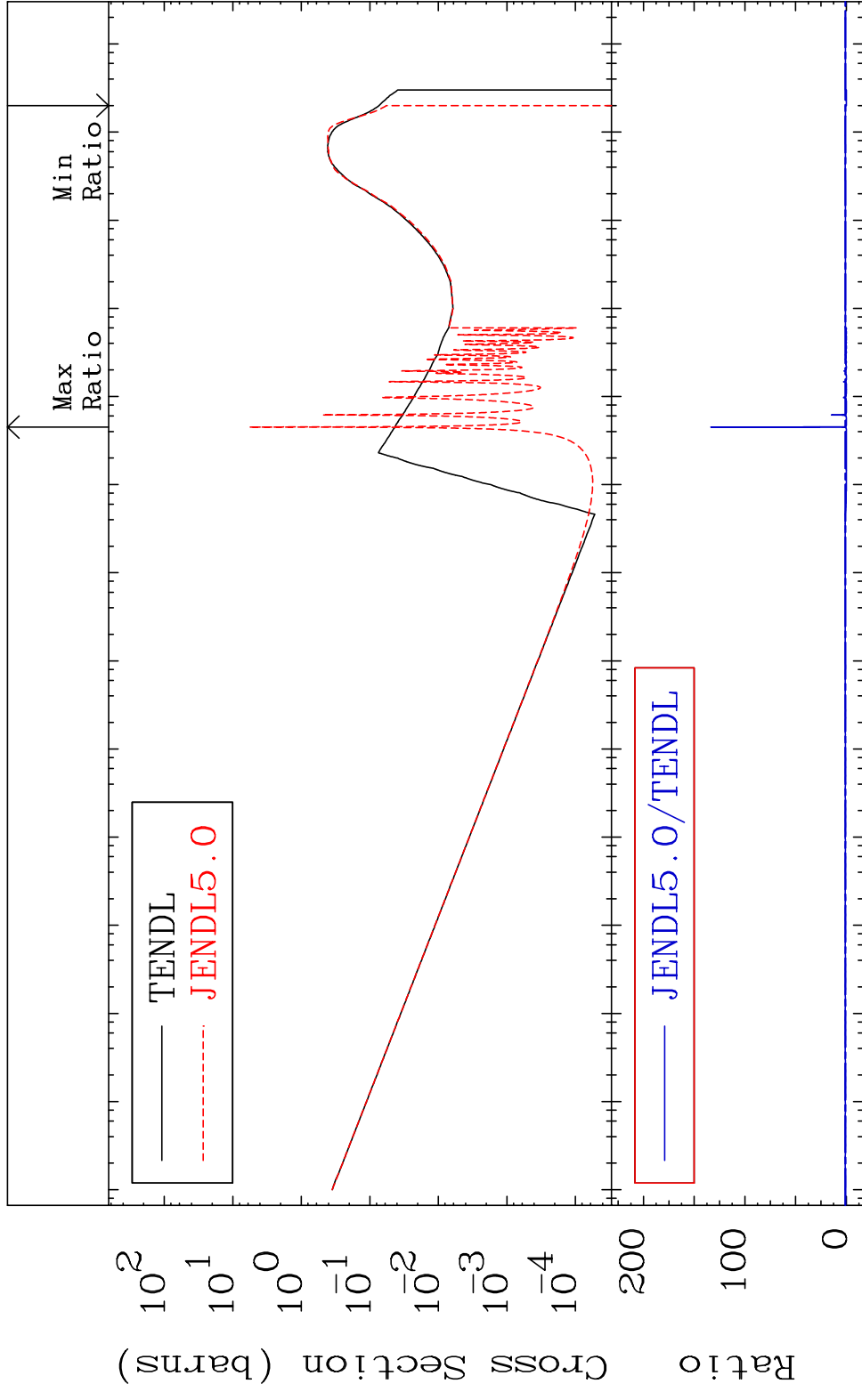
20-Ca-41

MAT 2028

(n, p)

20-Ca-41

Cross Section -100.0 To 9999. %

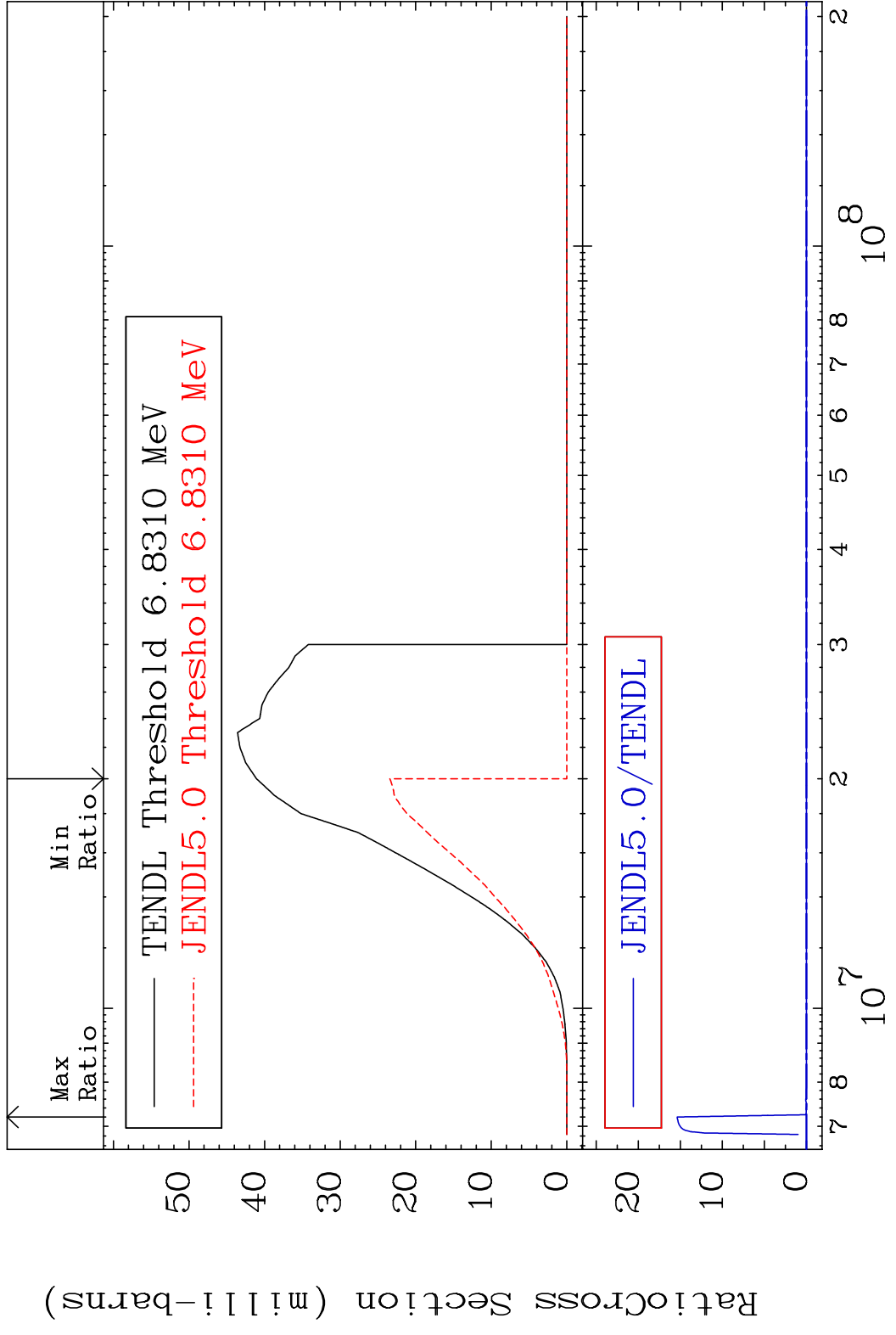


29

Incident Energy (eV)

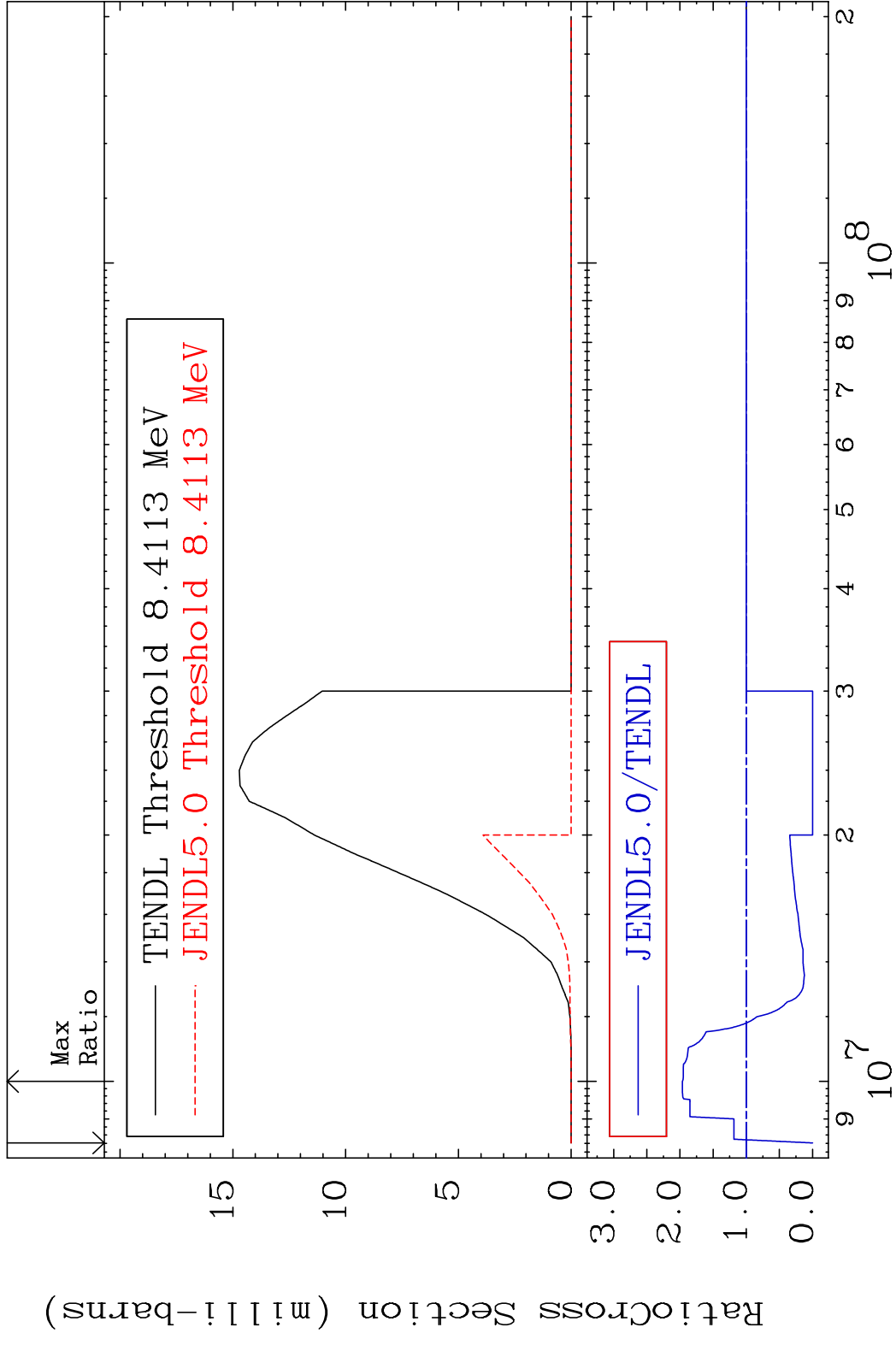
20-Ca-41

MAT 2028 (n,d) 20-Ca-41  
 Cross Section -100.0 To 9999. %

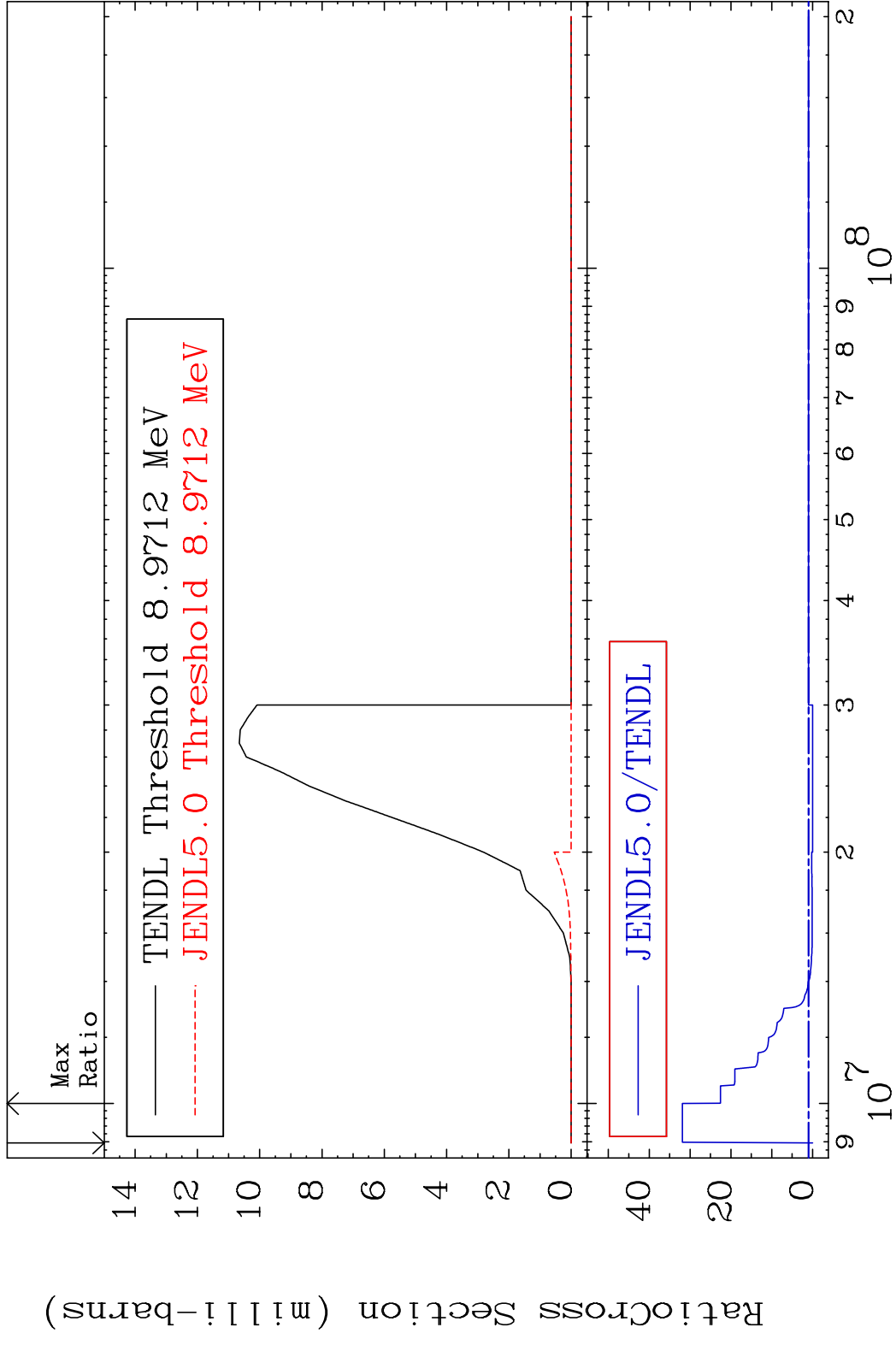


30 Incident Energy (eV) 20-Ca-41

MAT 2028 (n, t) 20-Ca-41  
 Cross Section -100.0 To 96.42 %



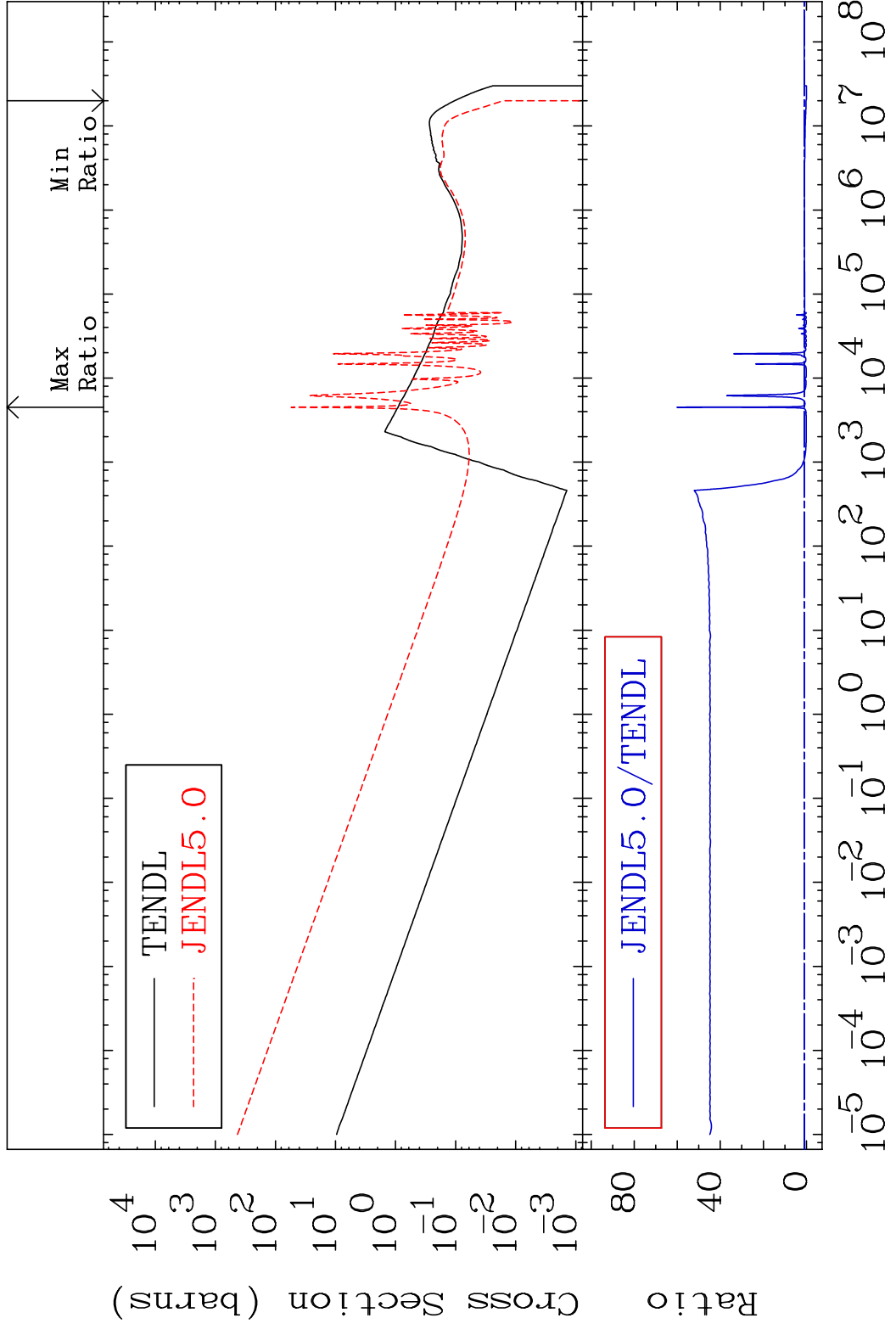
MAT 2028 (n, He-3) 20-Ca-41  
 Cross Section -100.0 To 3088. %



32 Incident Energy (eV) 20-Ca-41

MAT 2028

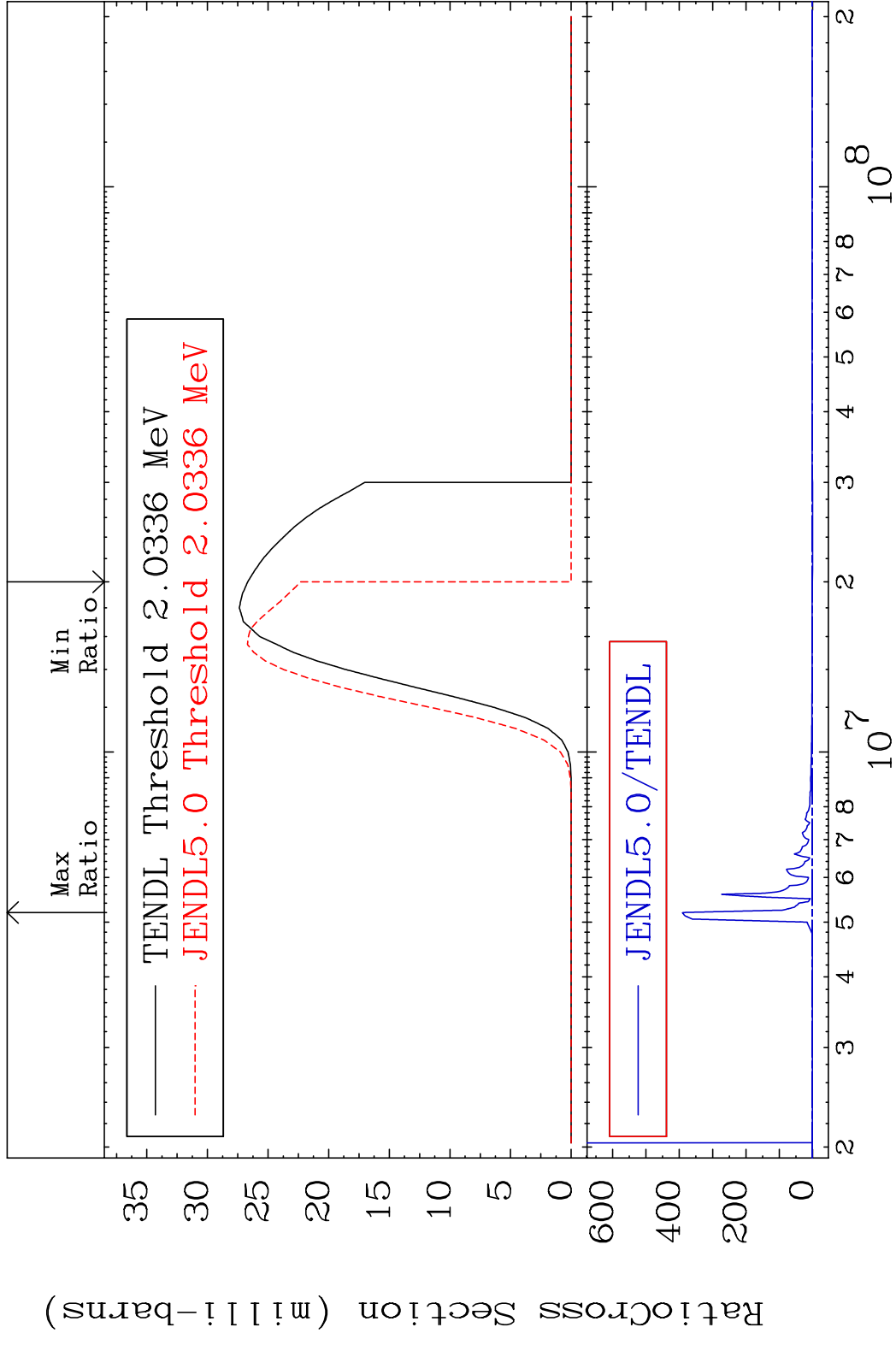
(n,  $\alpha$ )  
Cross Section -100.0 To 5902. %  
20-Ca-41



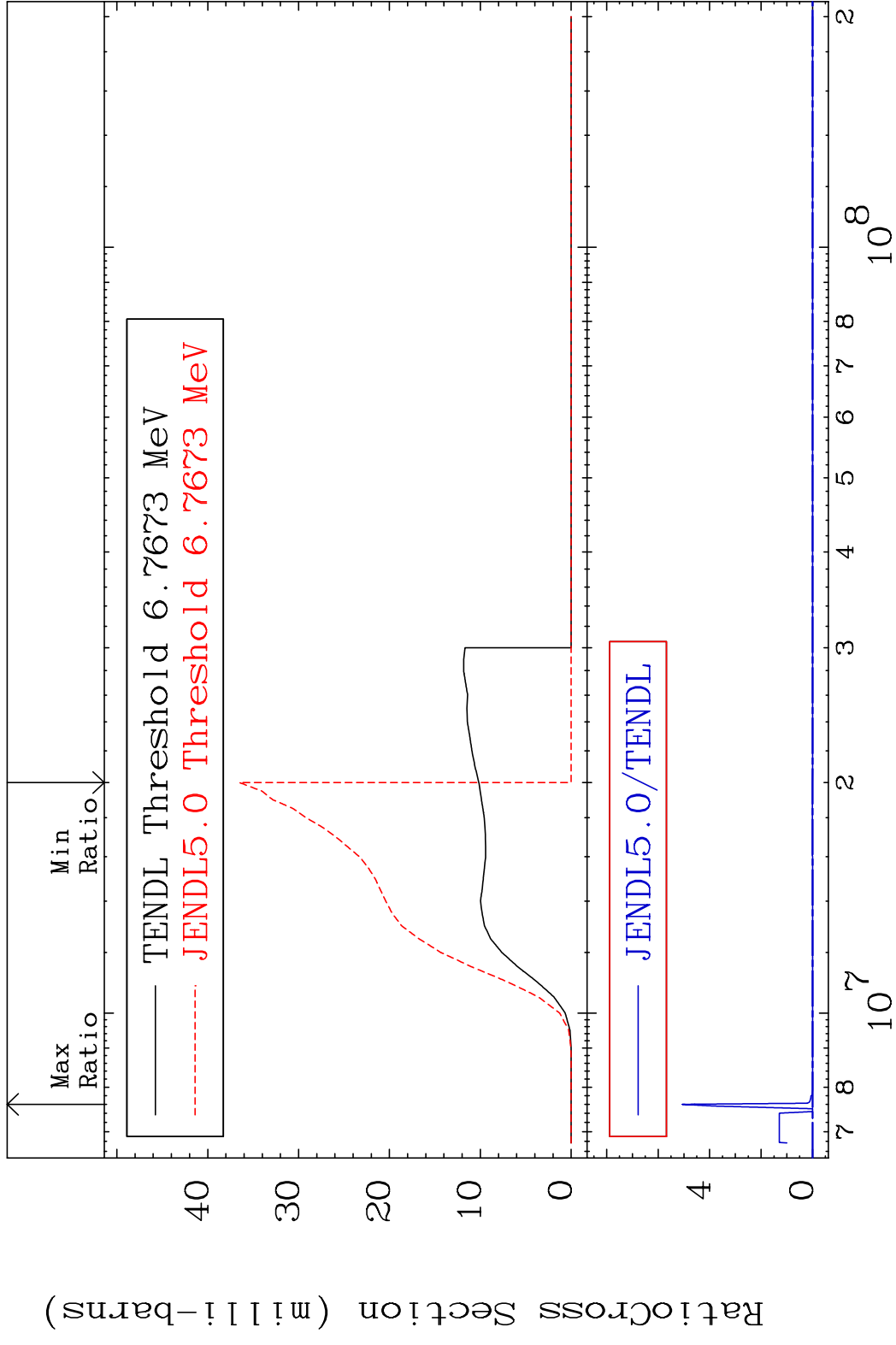
33

Incident Energy (eV) 20-Ca-41

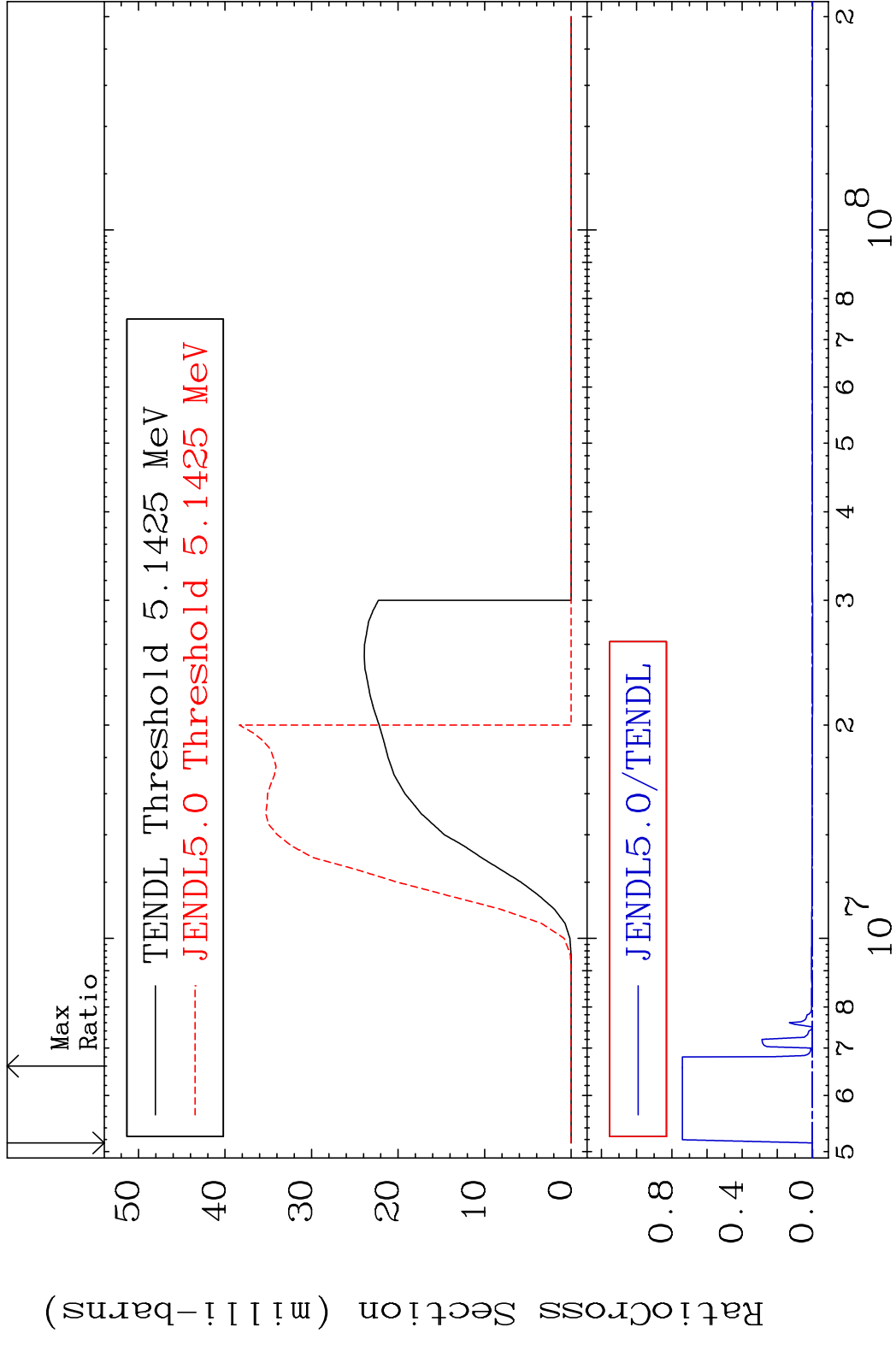
MAT 2028 (n,2α) 20-Ca-41  
 Cross Section -100.0 To 9999. %



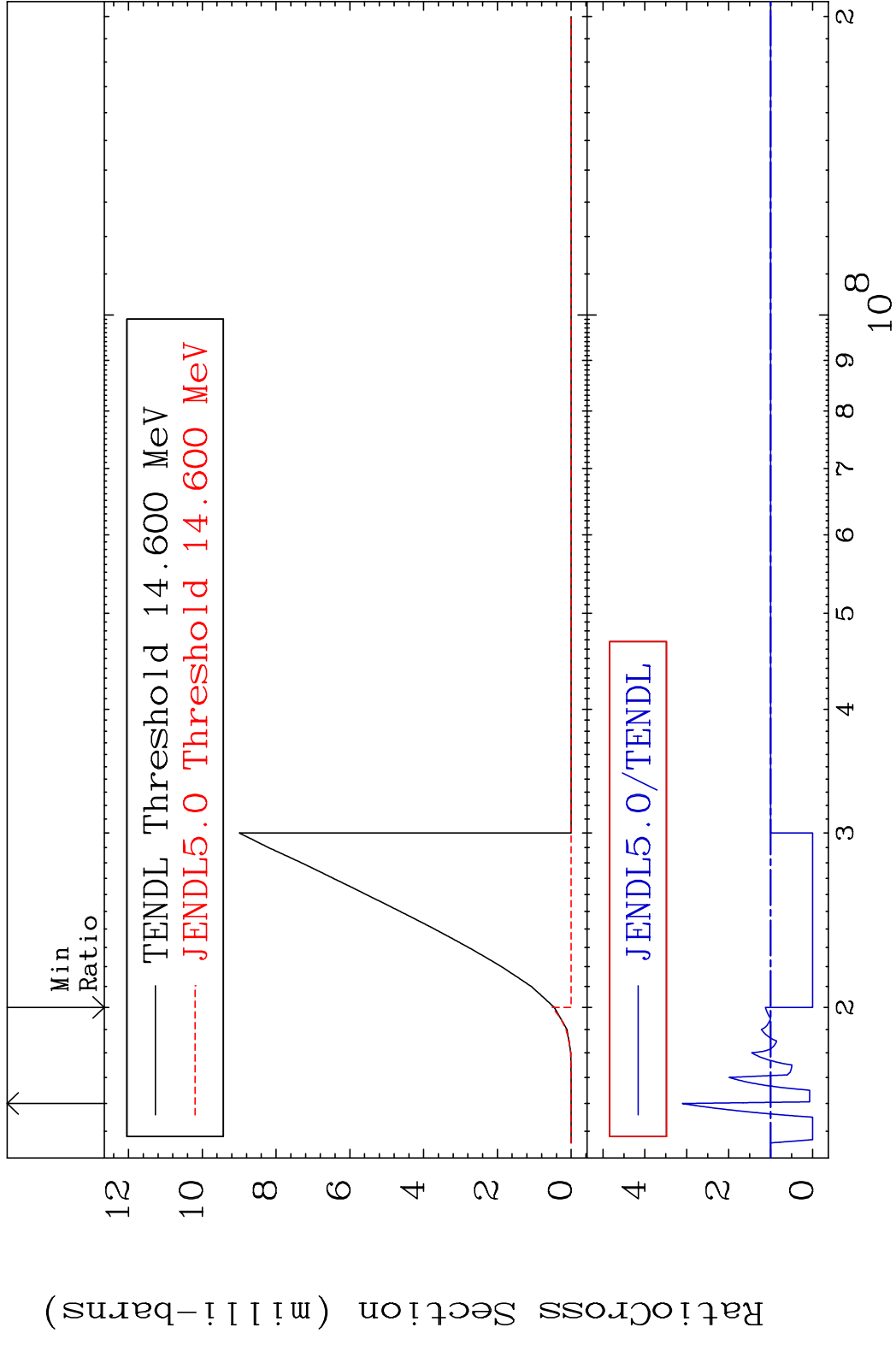
MAT 2028 (n,2p) 20-Ca-41  
 Cross Section -100.0 To 9999. %



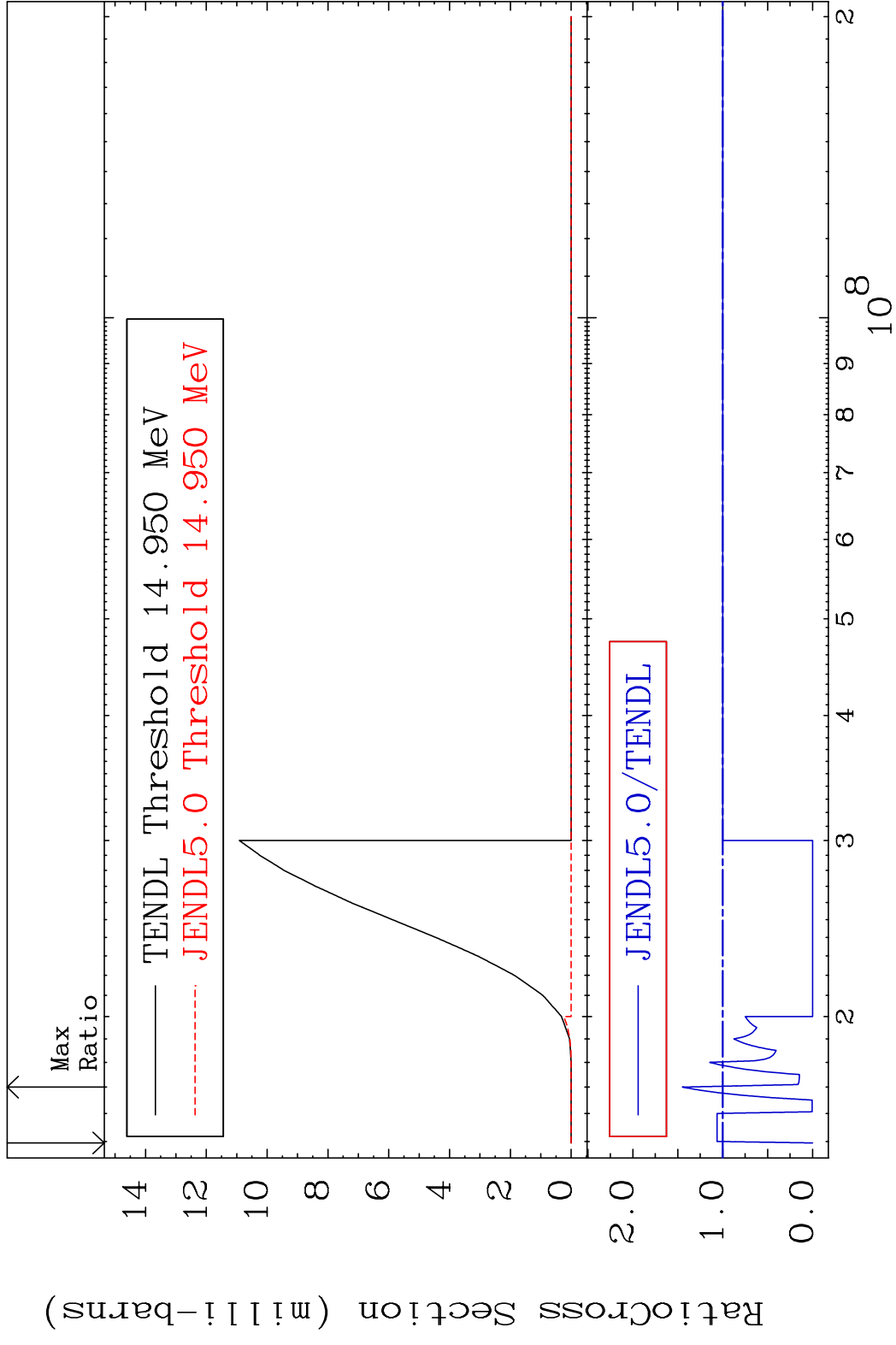
MAT 2028 (n,p)  $\alpha$  20-Ca-41  
 Cross Section -100.0 To 9999. %



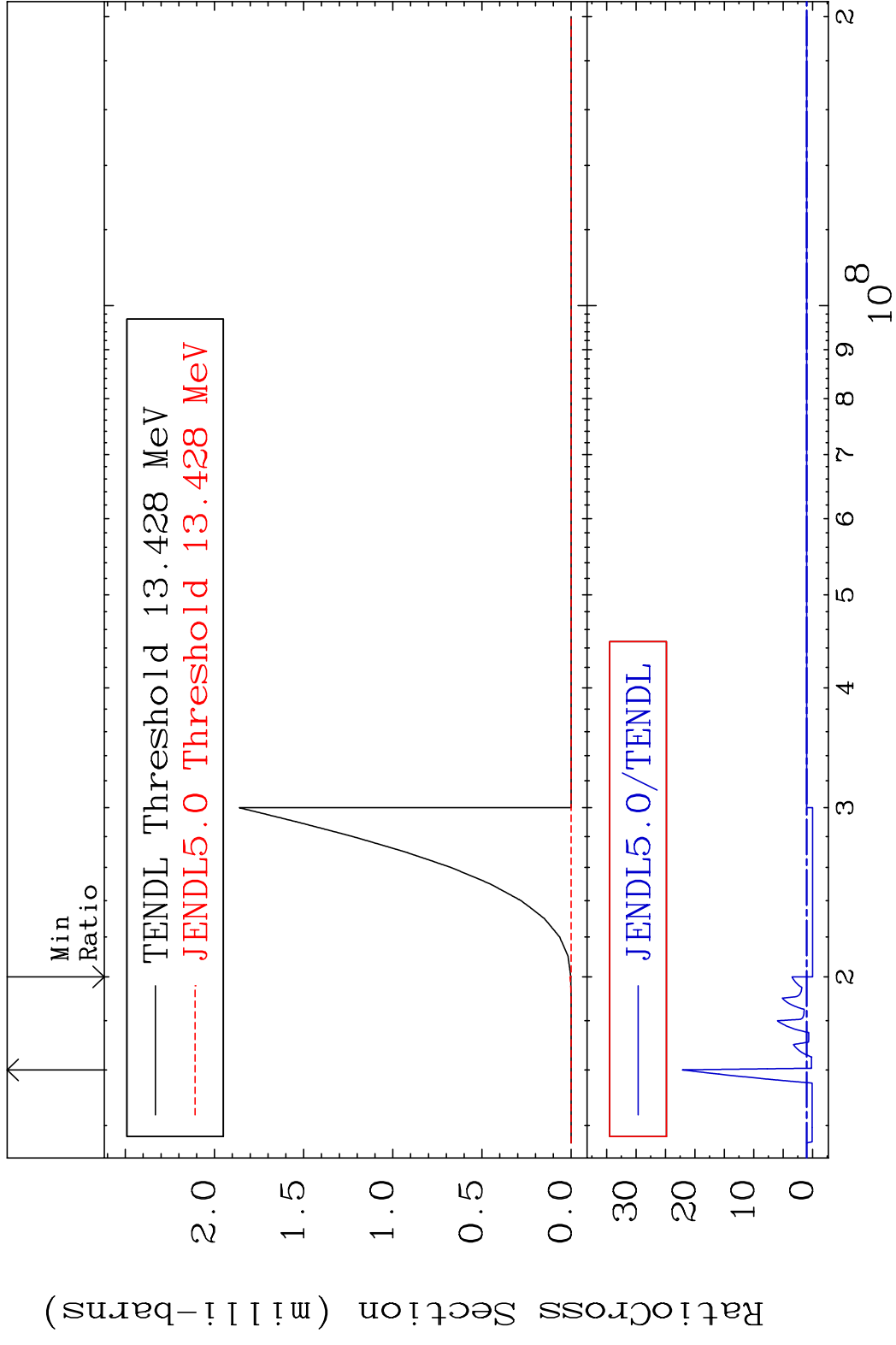
MAT 2028 (n,p) d 20-Ca-41  
 Cross Section -100.0 To 210.6 %



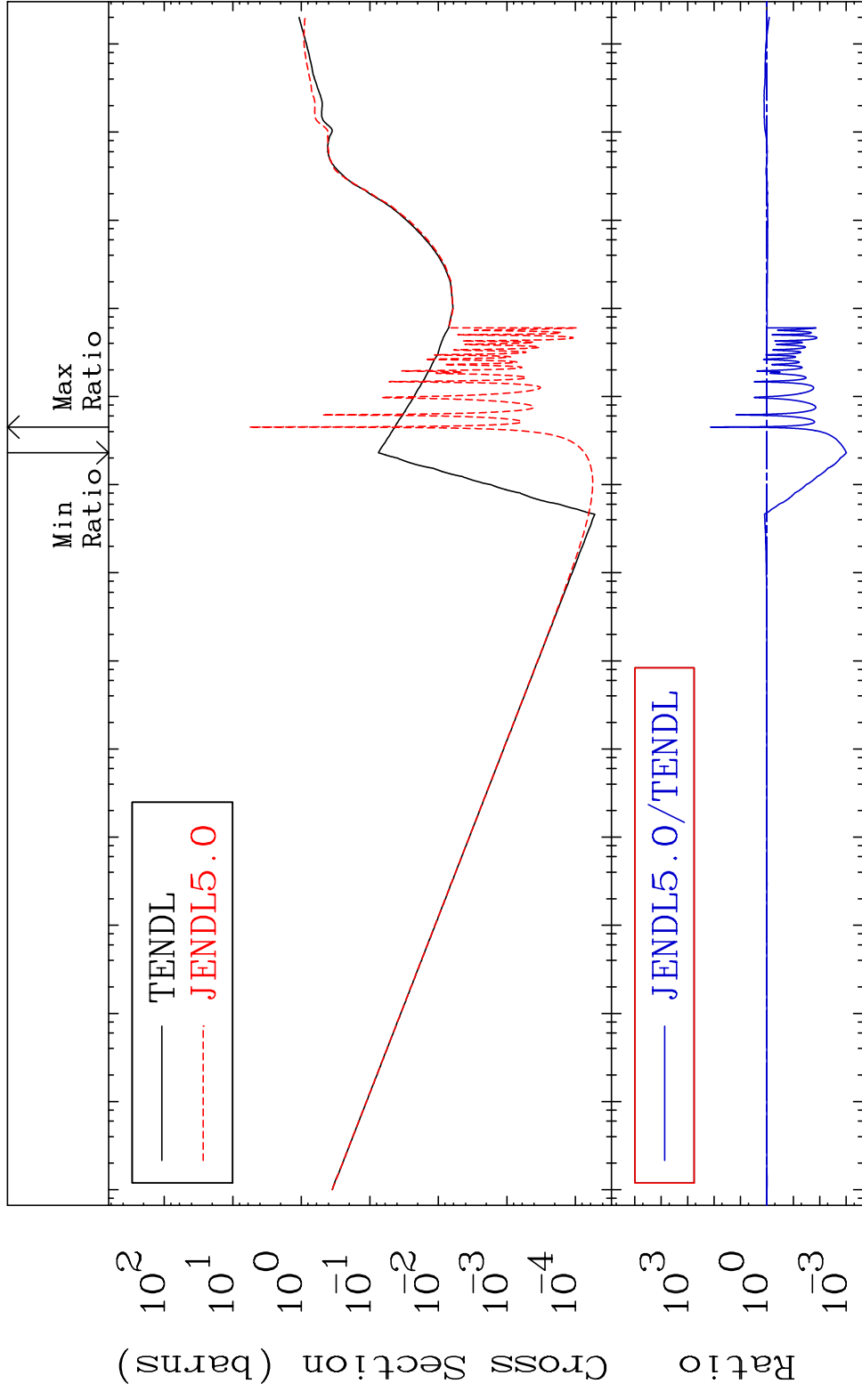
MAT 2028 (n,p) t 20-Ca-41  
 Cross Section -100.0 To 44.88 %



MAT 2028 (n,d)  $\alpha$  20-Ca-41  
 Cross Section -100.0 To 2113. %

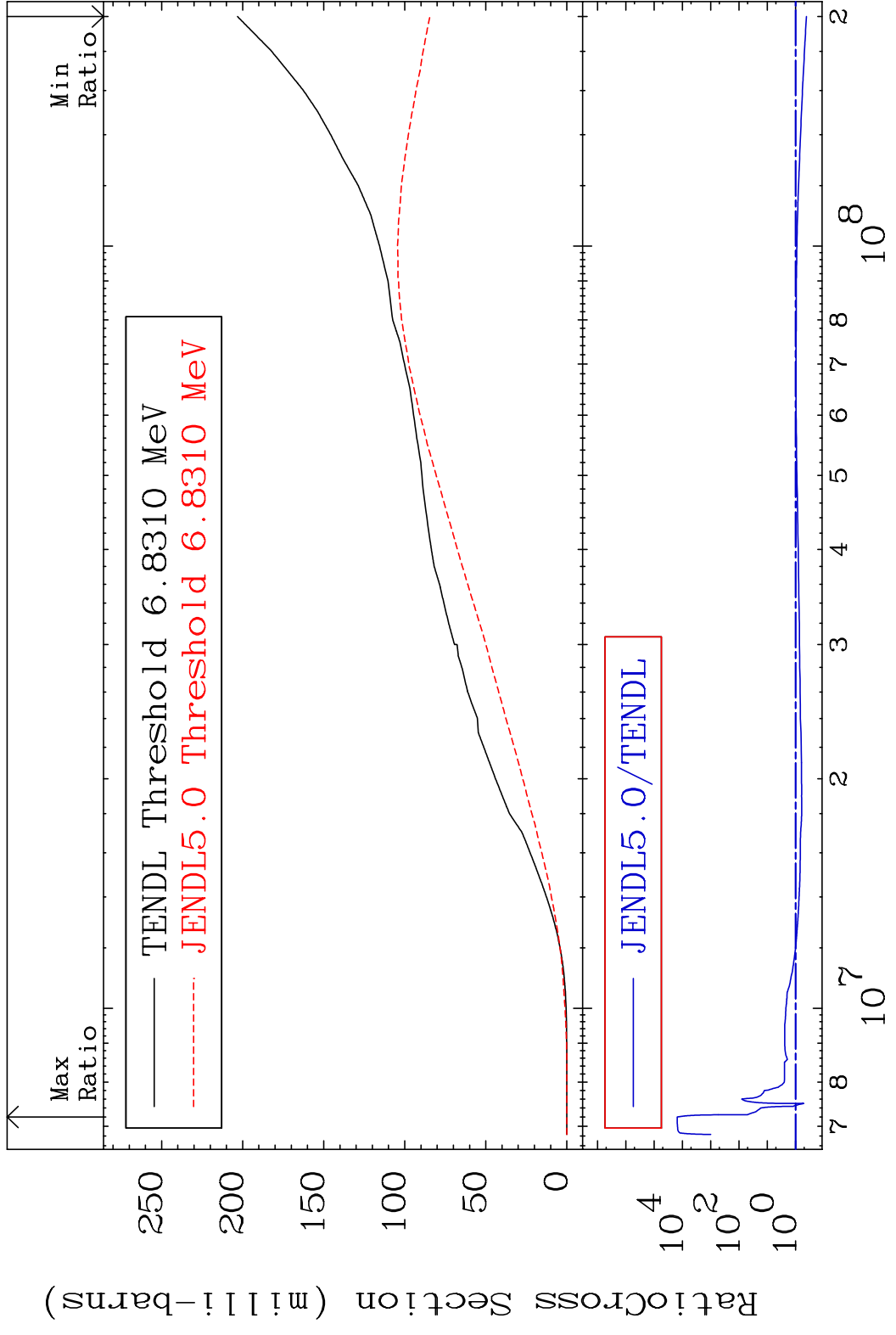


MAT 2028 Hydrogen Production 20-Ca-41  
 Cross Section -99.90 To 9999. %



40 Incident Energy (eV) 20-Ca-41

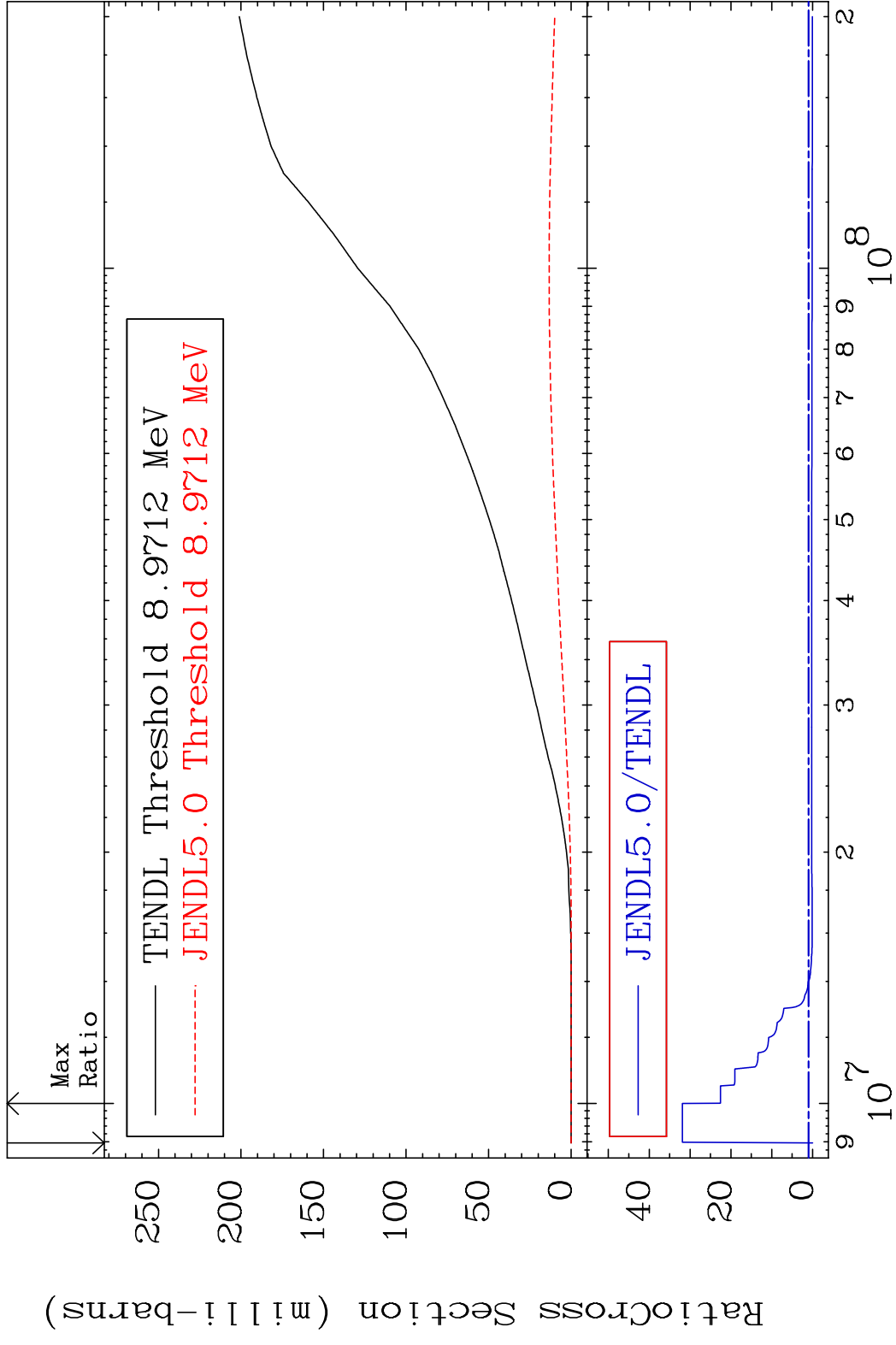
MAT 2028 Deuterium Production 20-Ca-41  
 Cross Section -58.42 To 9999. %



41 Incident Energy (eV) 20-Ca-41



MAT 2028 He-3 Production 20-Ca-41  
 Cross Section -100.0 To 3088. %



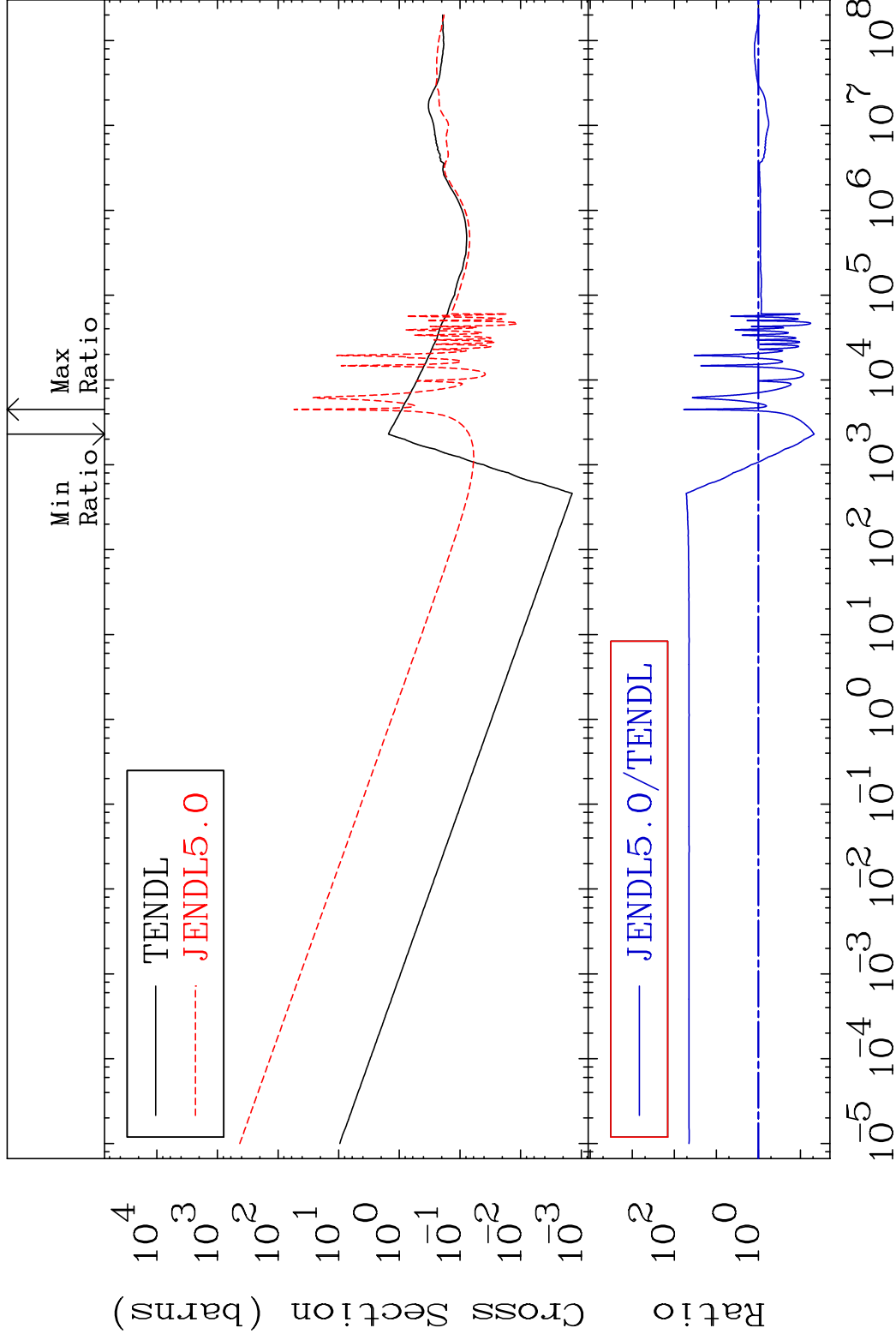
43 Incident Energy (eV) 20-Ca-41

MAT 2028

He-4 Production

20-Ca-41

Cross Section -95.29 To 5902. %

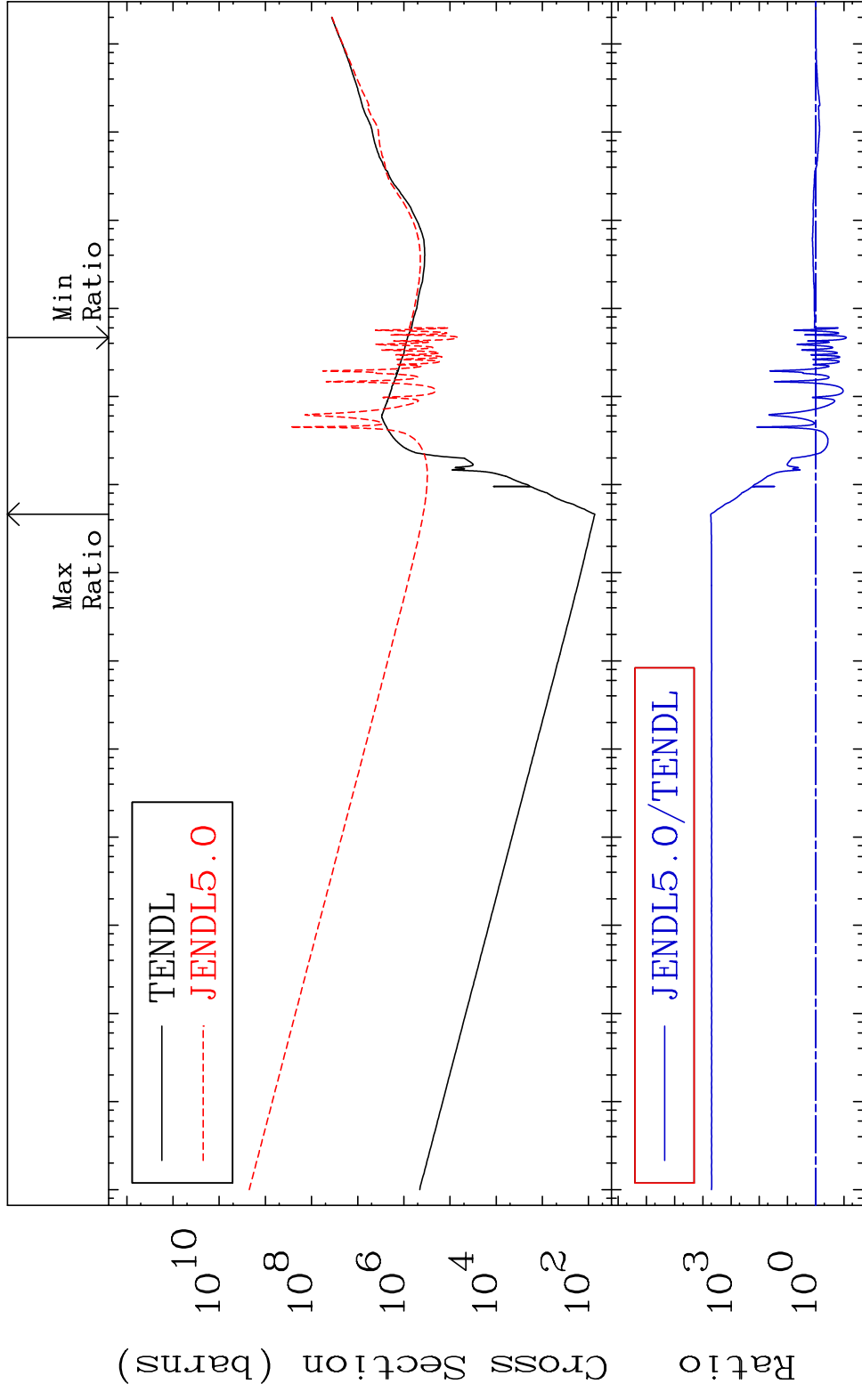


44

Incident Energy (eV)

20-Ca-41

MAT 2028 Kerma total (eV-barns) 20-Ca-41  
 Cross Section -91.78 To 9999. %

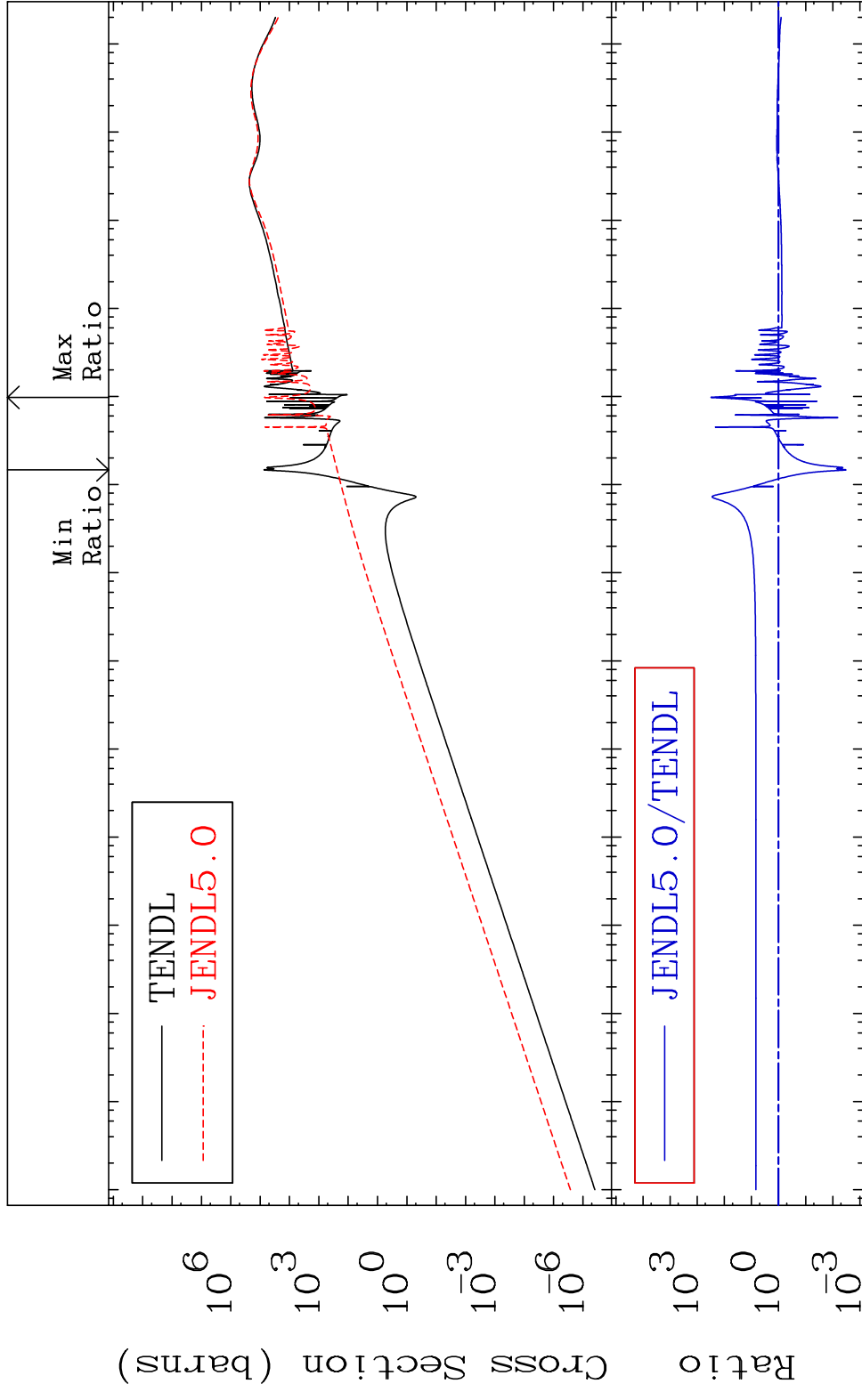


45 Incident Energy (eV) 20-Ca-41

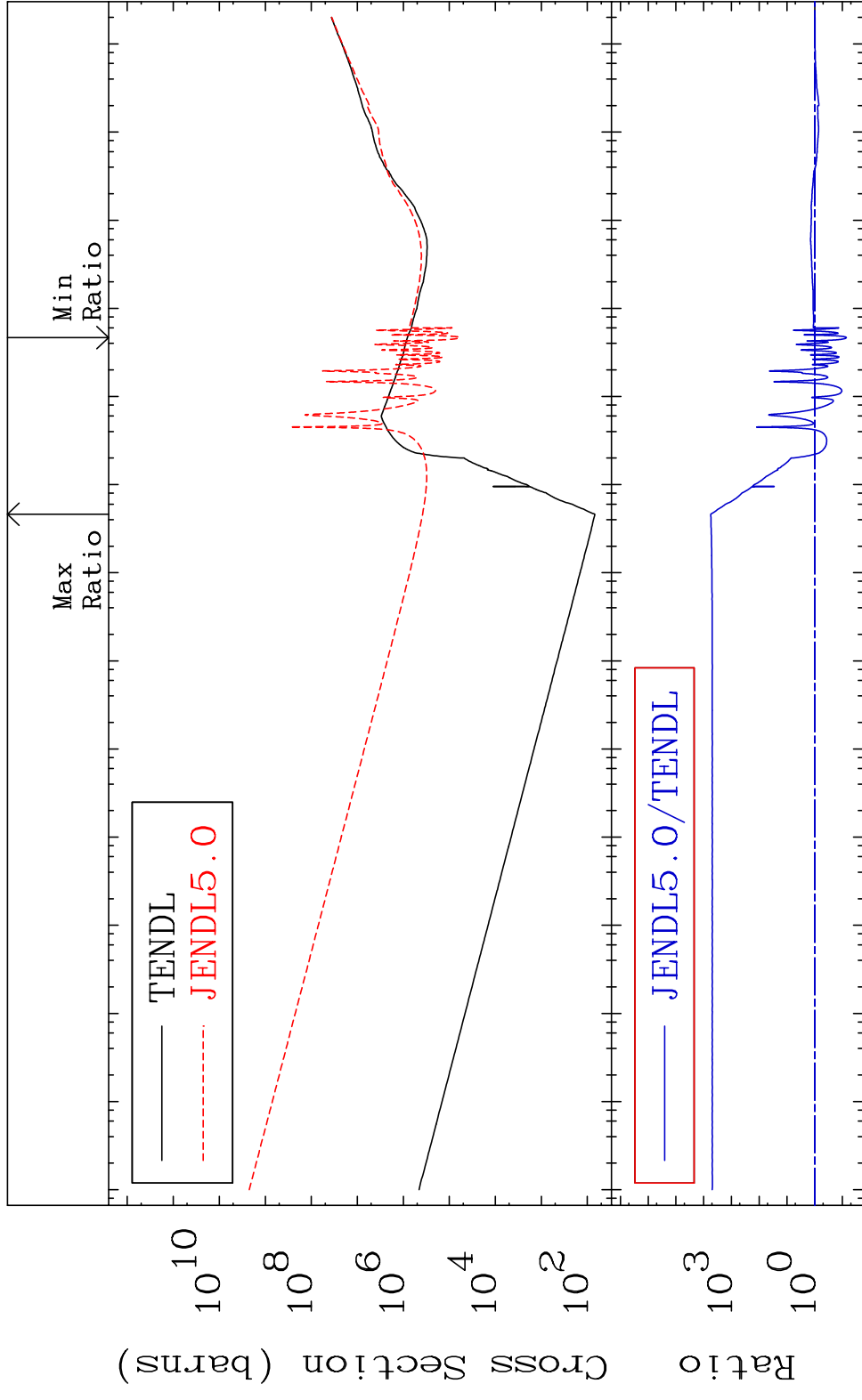
MAT 2028

Kerma elastic  
Cross Section

20-Ca-41  
-99.68 To 9999. %

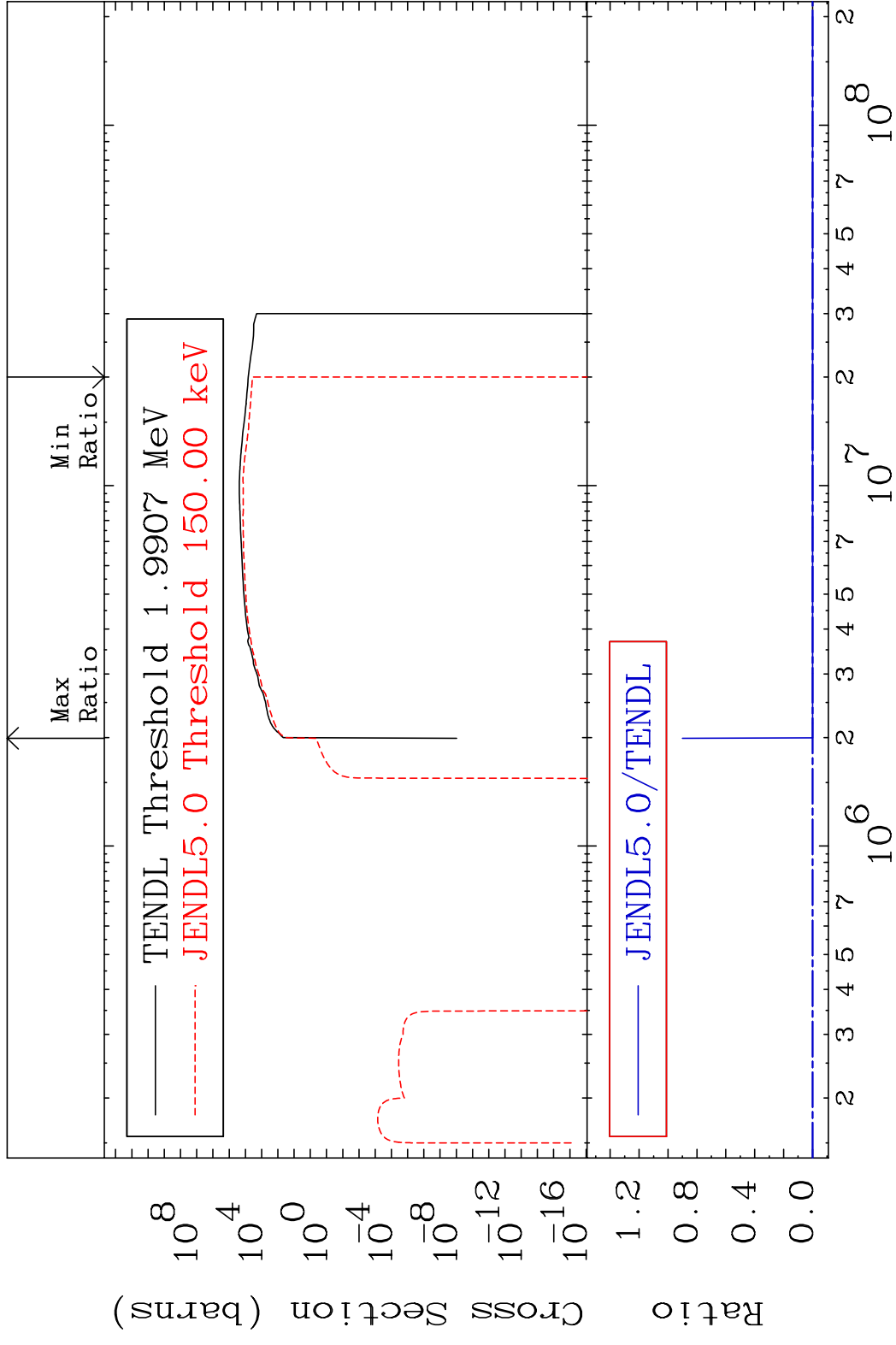


MAT 2028 Kerma non-elastic (all but mt2) 20-Ca-41  
 Cross Section -92.76 To 9999. %

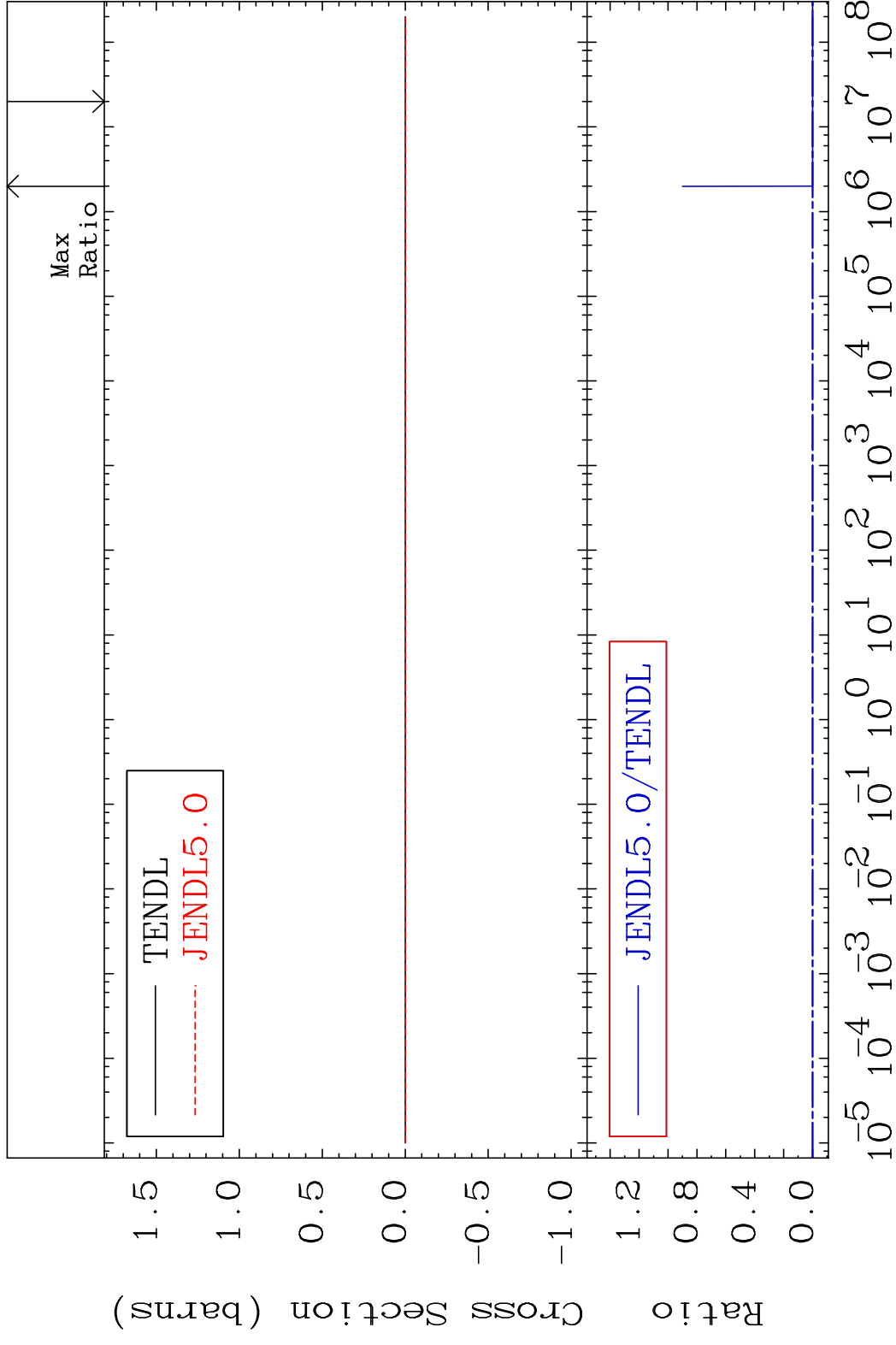


47 Incident Energy (eV) 20-Ca-41

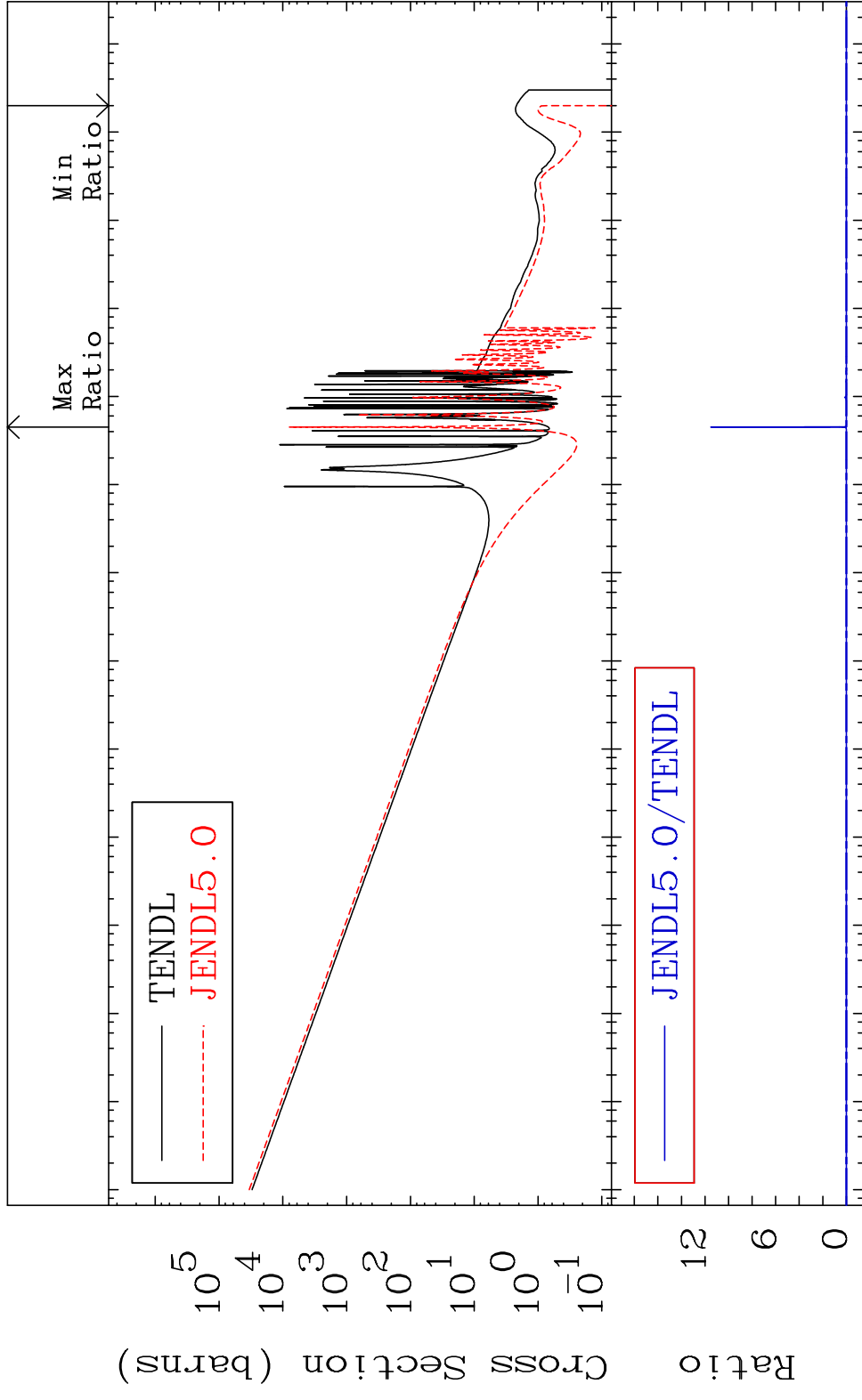
MAT 2028 Kerma inelastic (mt51-91) 20-Ca-41  
 Cross Section -100.0 To 9999. %



MAT 2028 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-41  
 Cross Section -100.0 To 9999. %

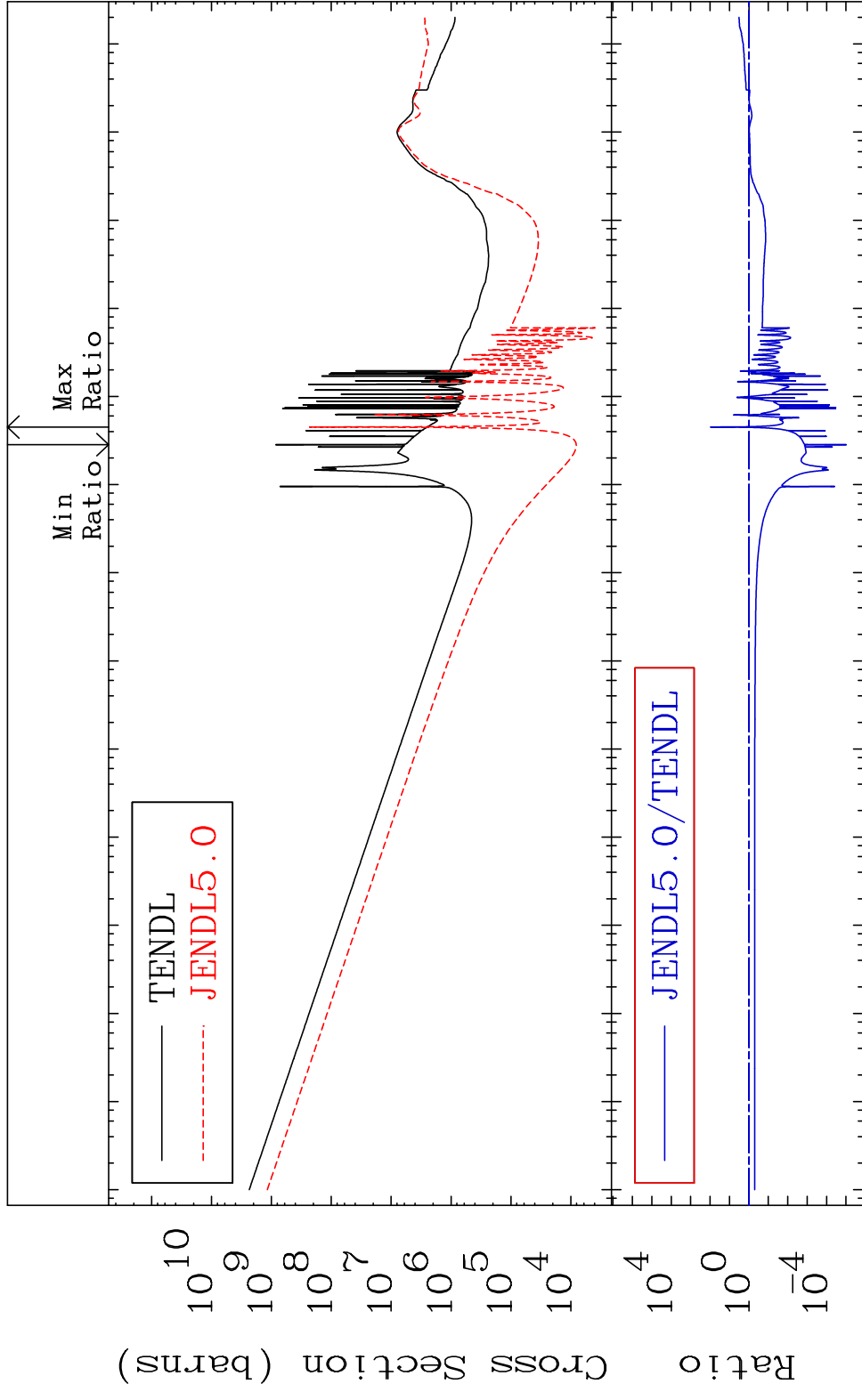


MAT 2028 Kerma capture (mt102) 20-Ca-41  
 Cross Section -100.0 To 9999. %



50 Incident Energy (eV) 20-Ca-41

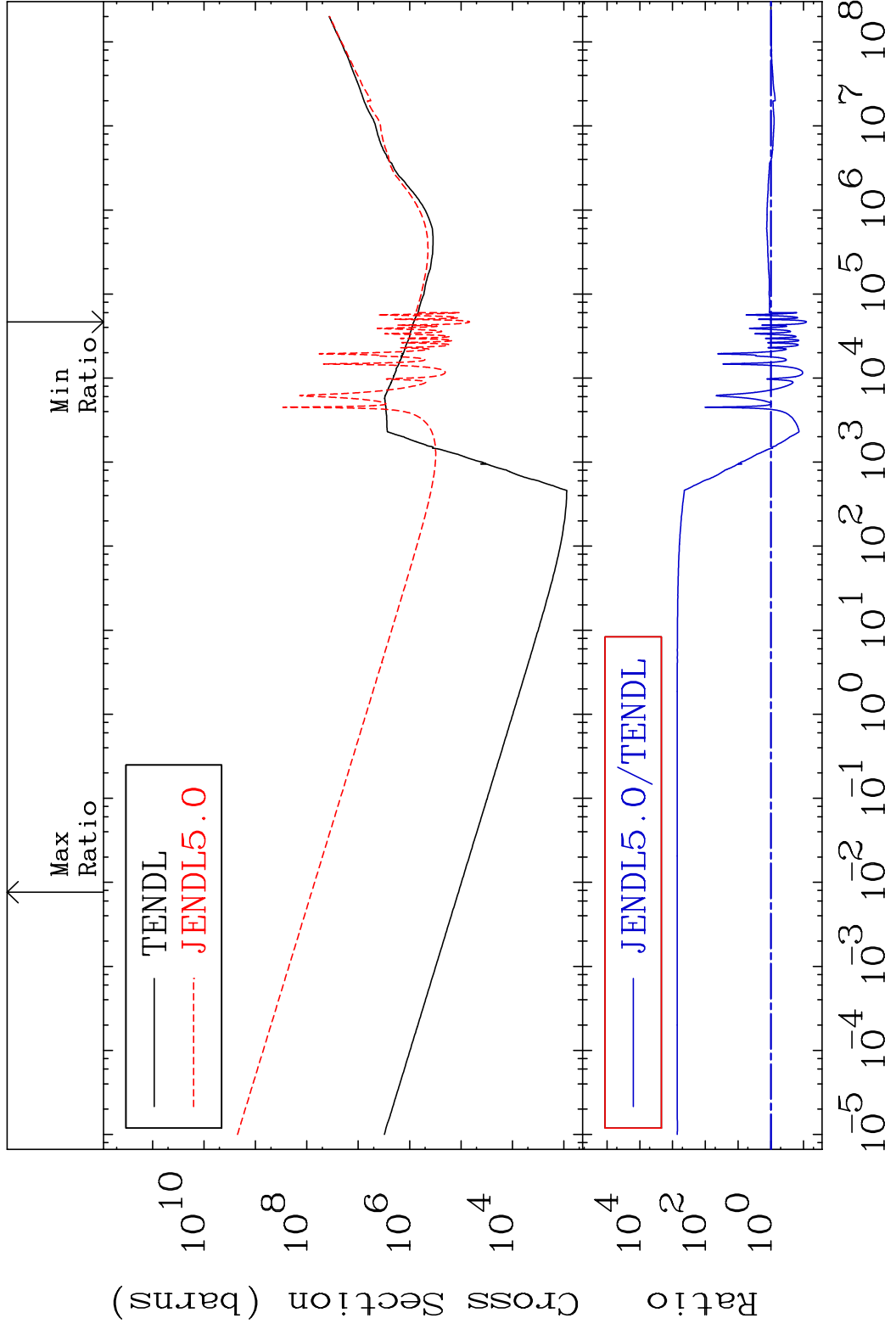
MAT 2028 Total photon (eV-barns) 20-Ca-41  
 Cross Section -100.0 To 9168. %



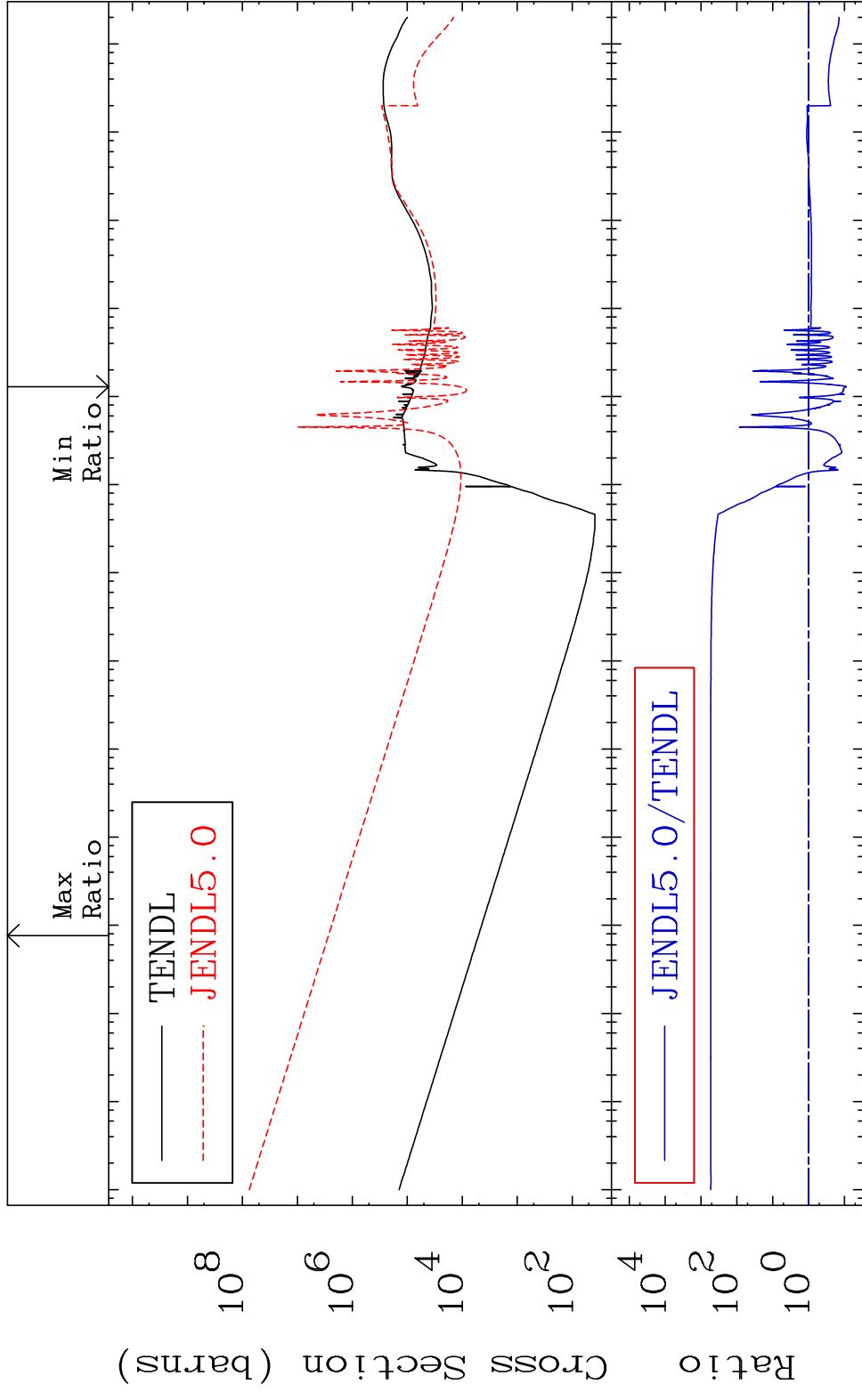
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

51 Incident Energy (eV) 20-Ca-41

MAT 2028 Total kinematic kerma (high limit) 20-Ca-41  
 Cross Section -91.79 To 9999. %

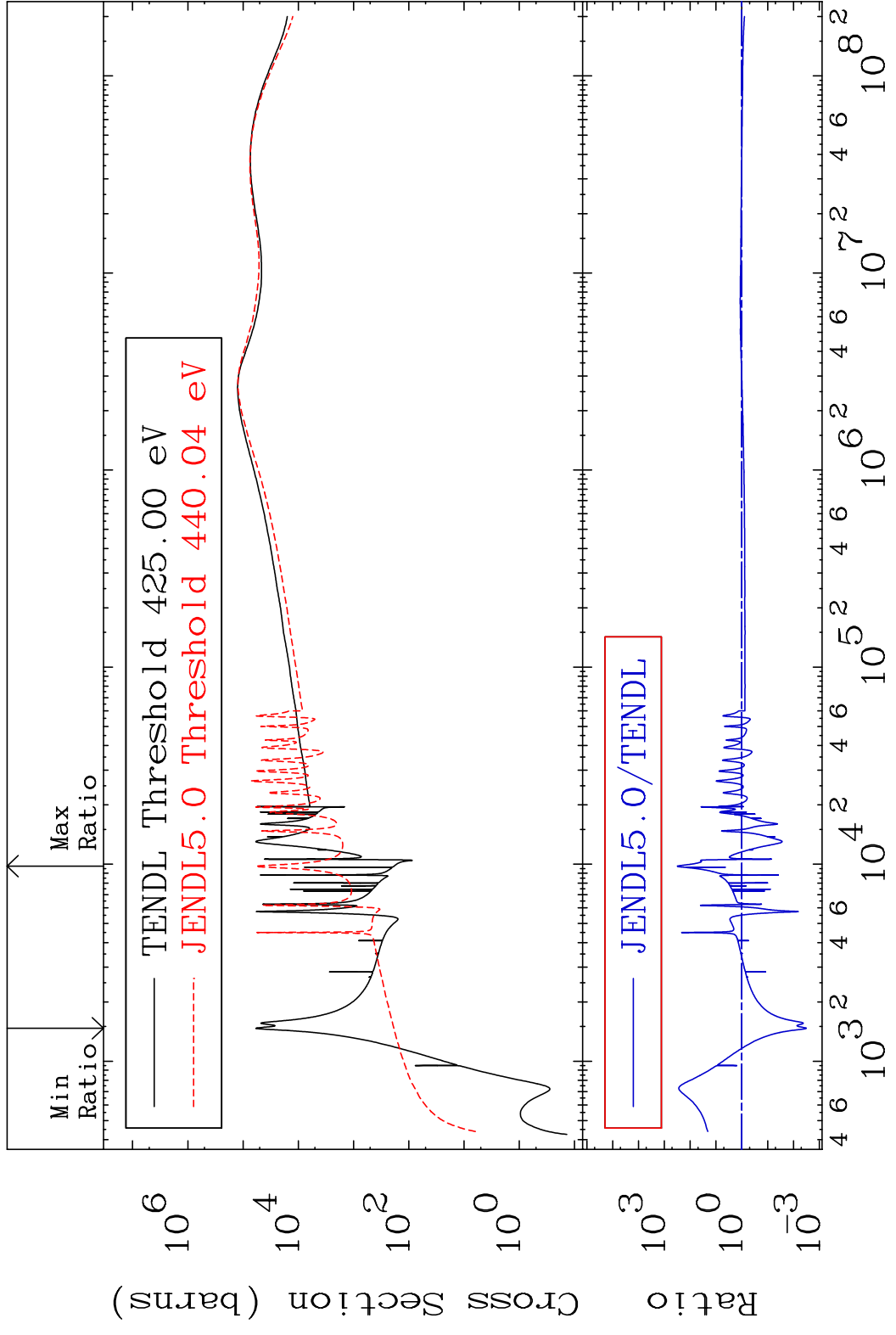


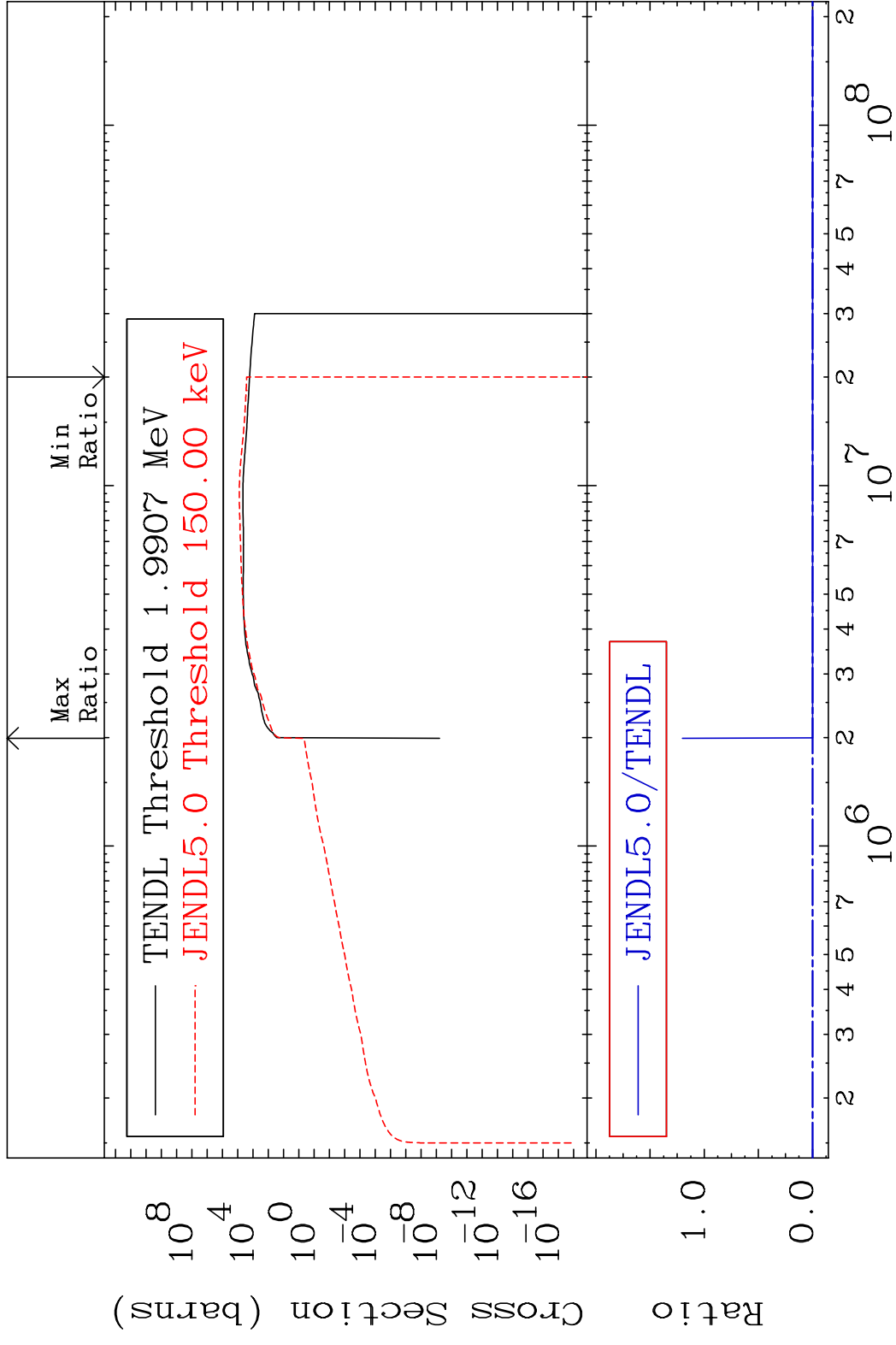
MAT 2028 Dpa total (eV-barns) 20-Ca-41  
 Cross Section -91.13 To 9999. %



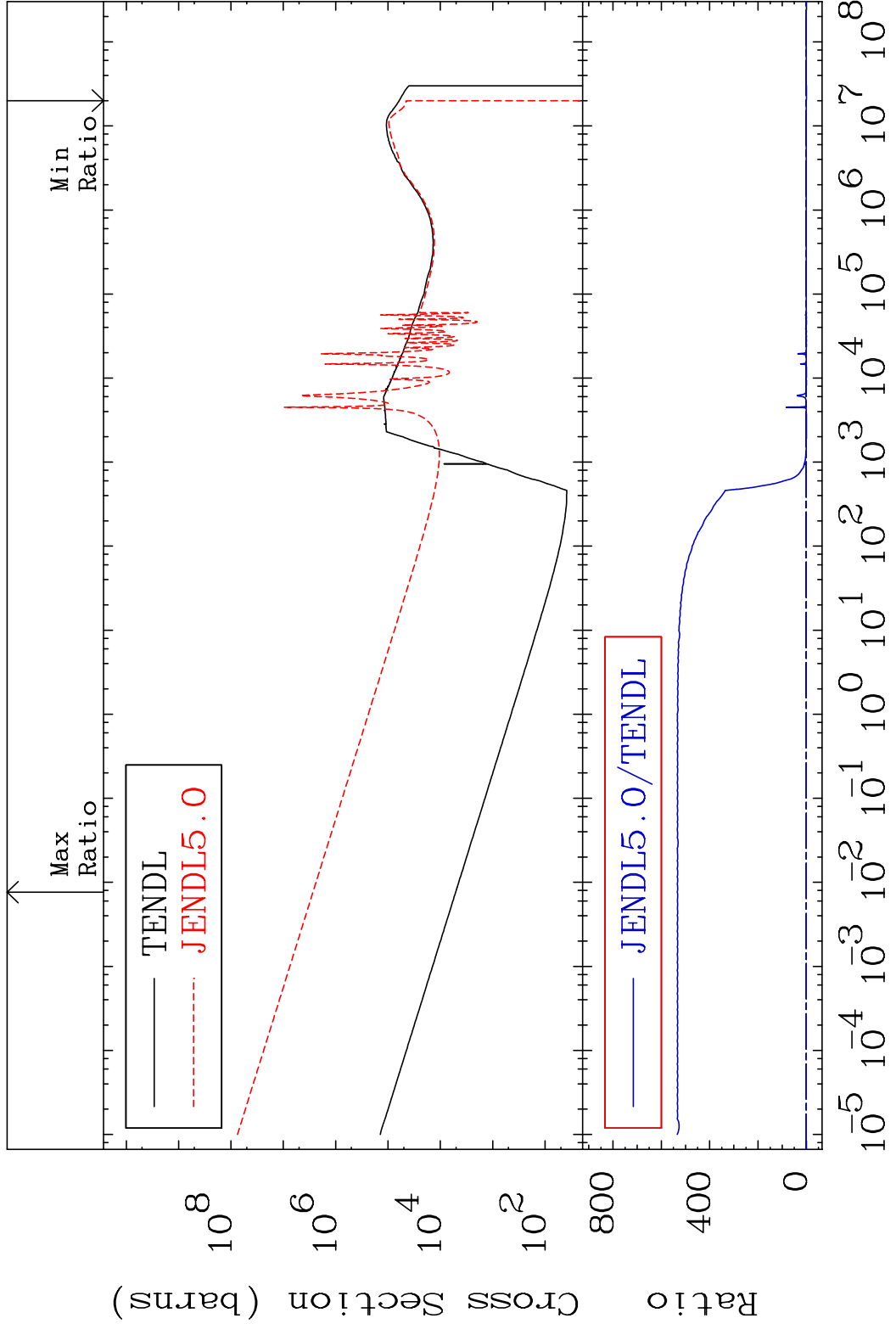
53 Incident Energy (eV) 20-Ca-41

MAT 2028 Dpa elastic (mt2) 20-Ca-41  
 Cross Section -99.68 To 9999. %



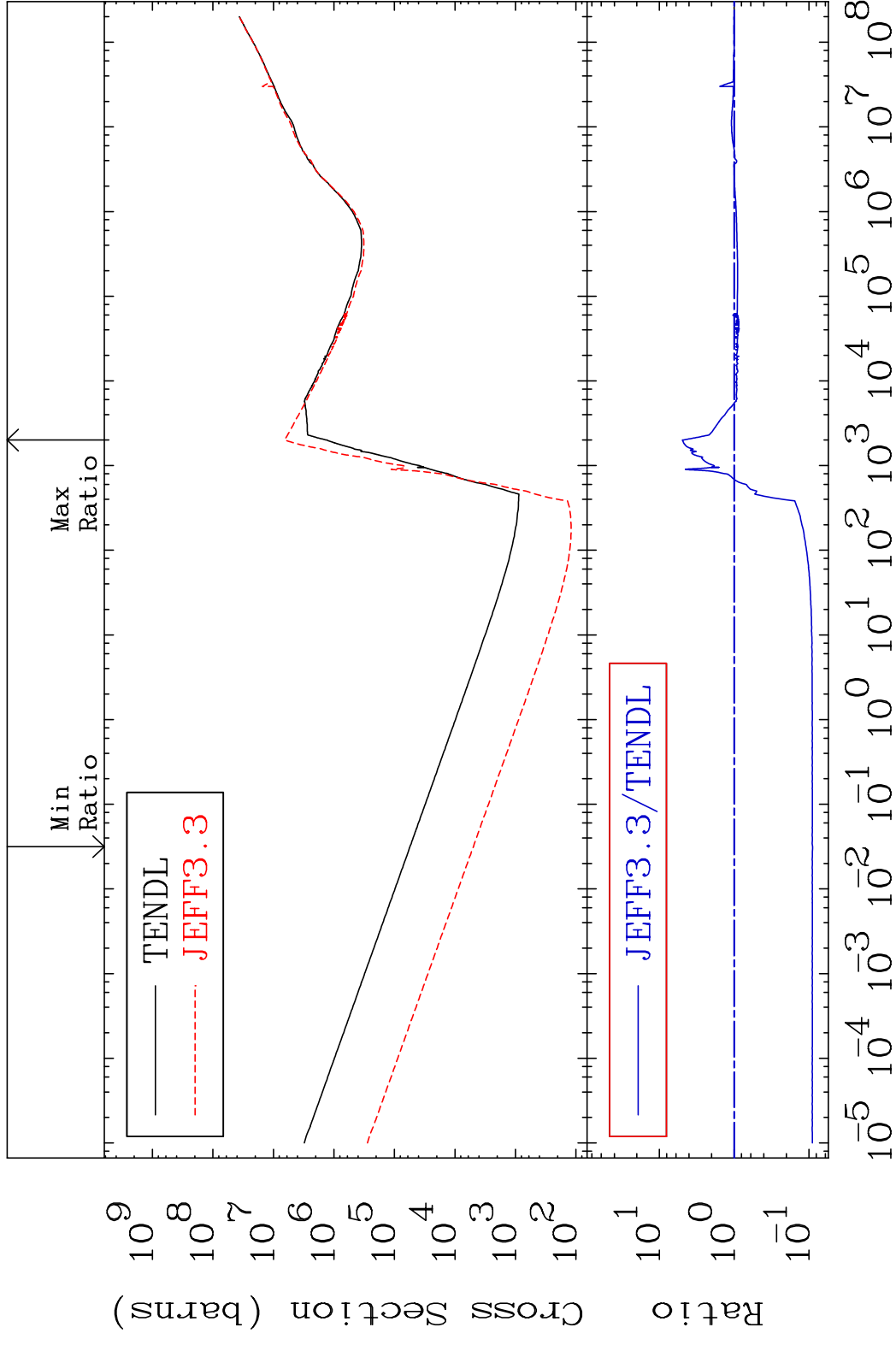


MAT 2028 Dpa disappearance (mt102 -120) 20-Ca-41  
 Cross Section -100.0 To 9999. %

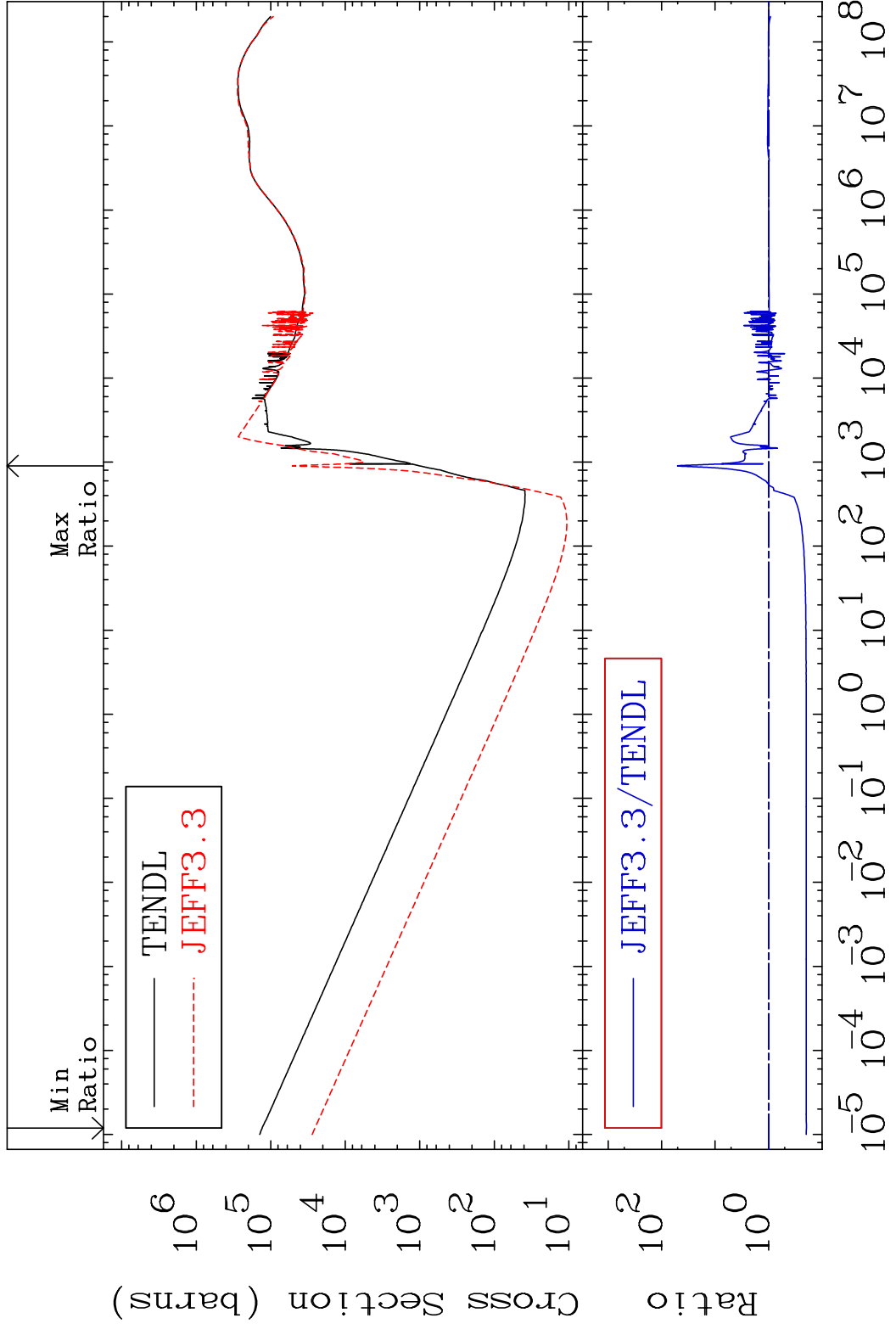


56 Incident Energy (eV) 20-Ca-41

MAT 2028 Total kinematic kerma (high limit) 20-Ca-41  
 Cross Section -91.07 To 392.4 %



MAT 2028      Dpa total (eV-barns)      20-Ca-41  
 Cross Section      -80.42 To 5024. %

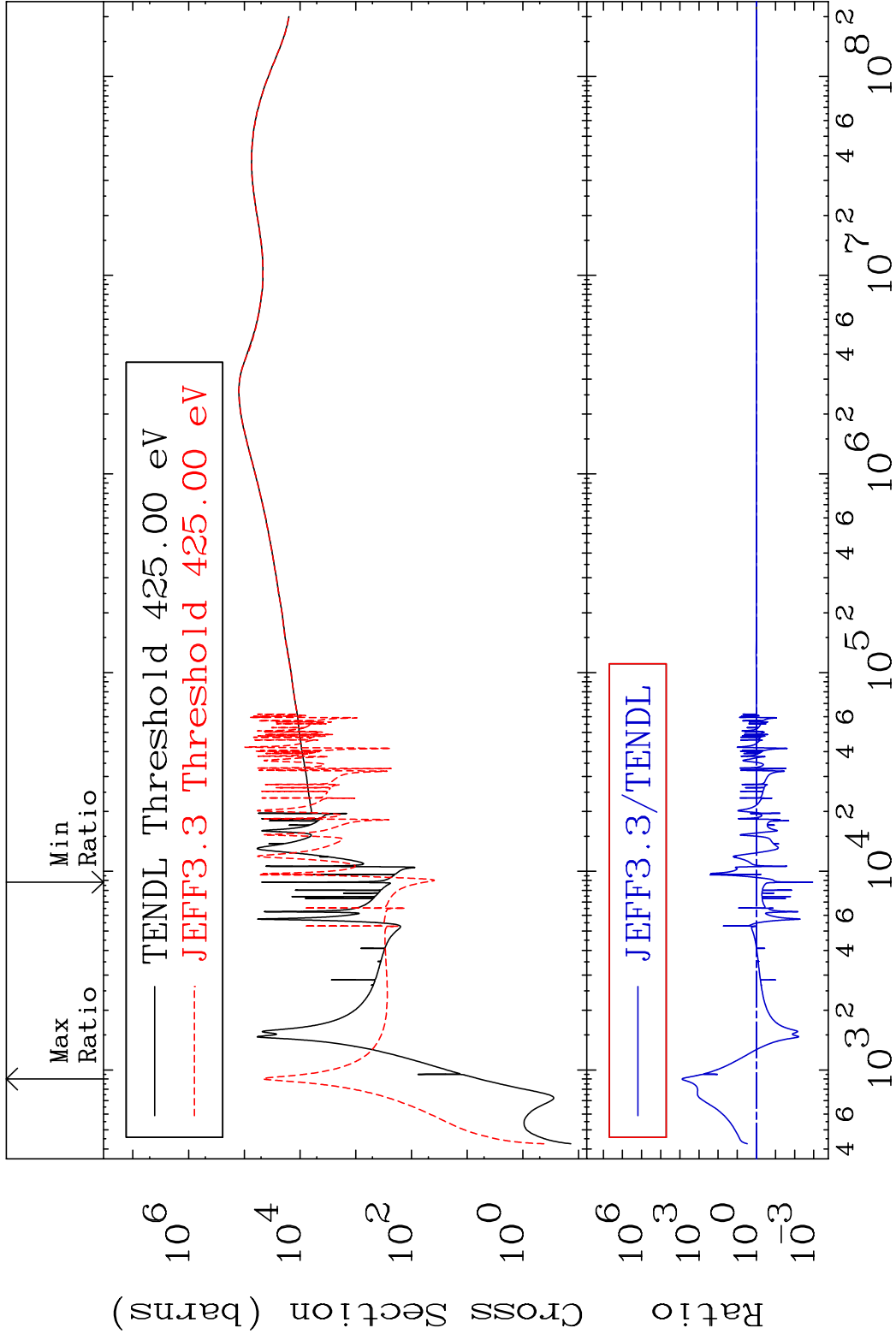


MAT 2028

Dpa elastic (mt2)

20-Ca-41

Cross Section -99.88 To 9999. %

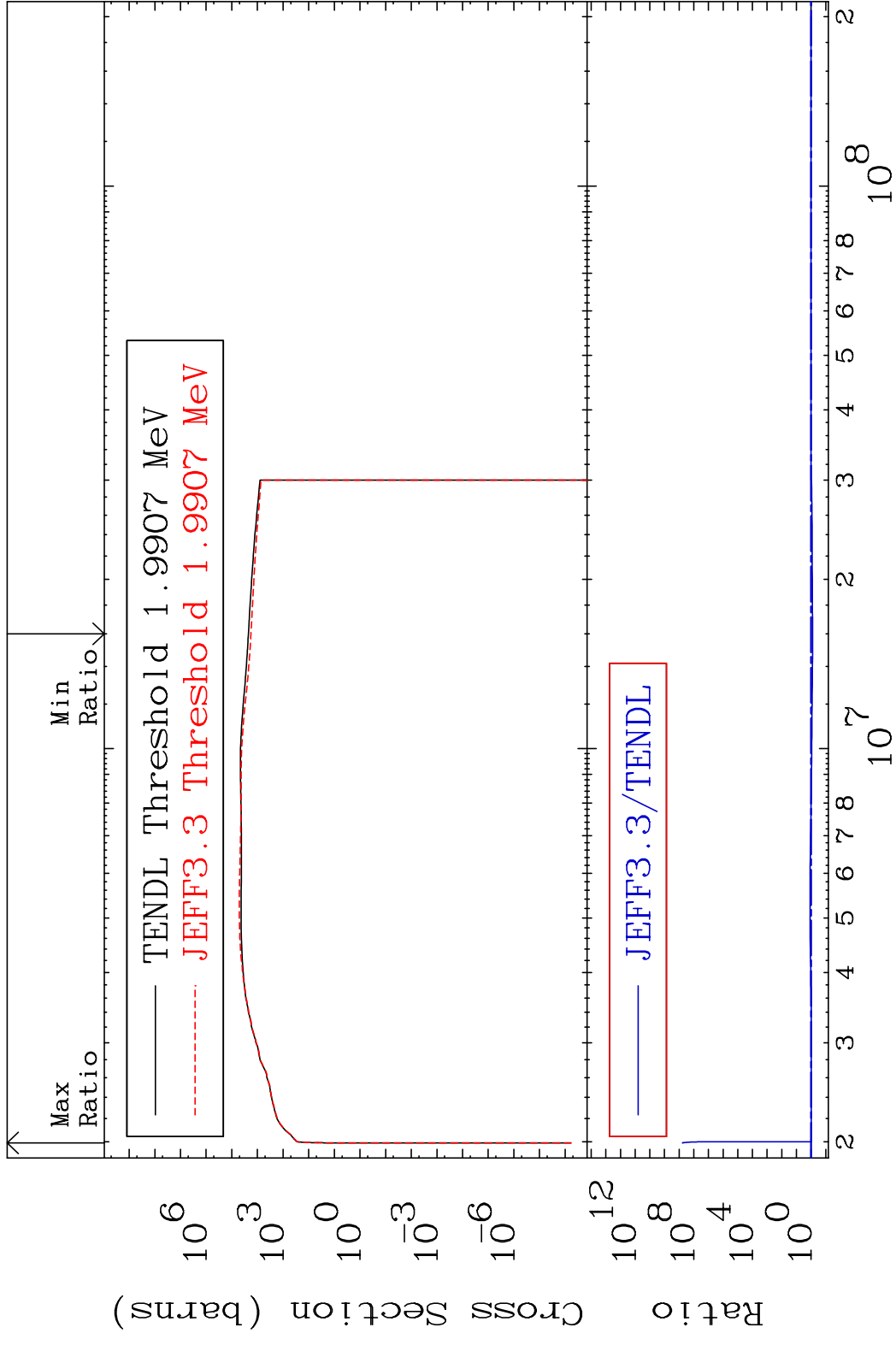


59

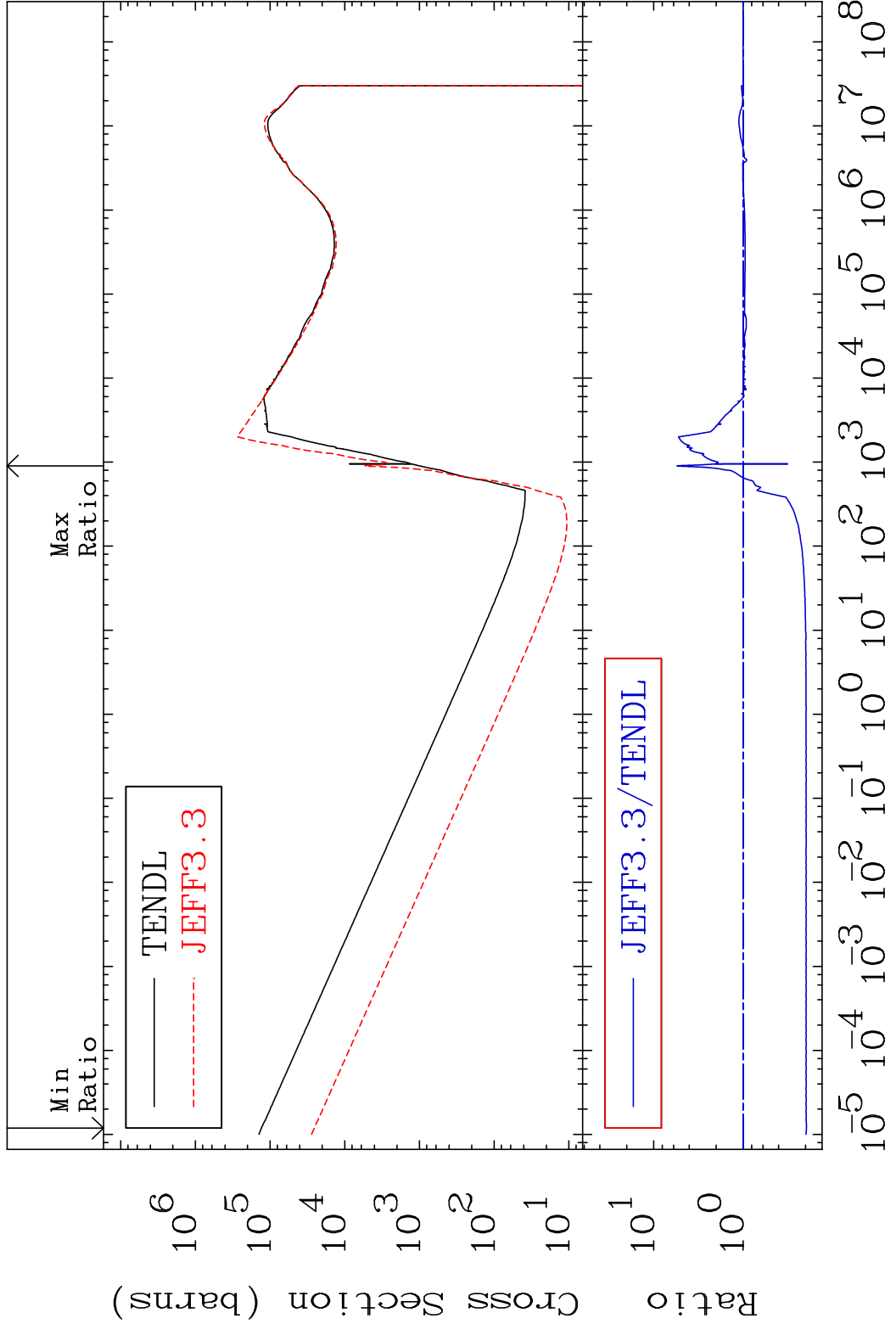
Incident Energy (eV)

20-Ca-41

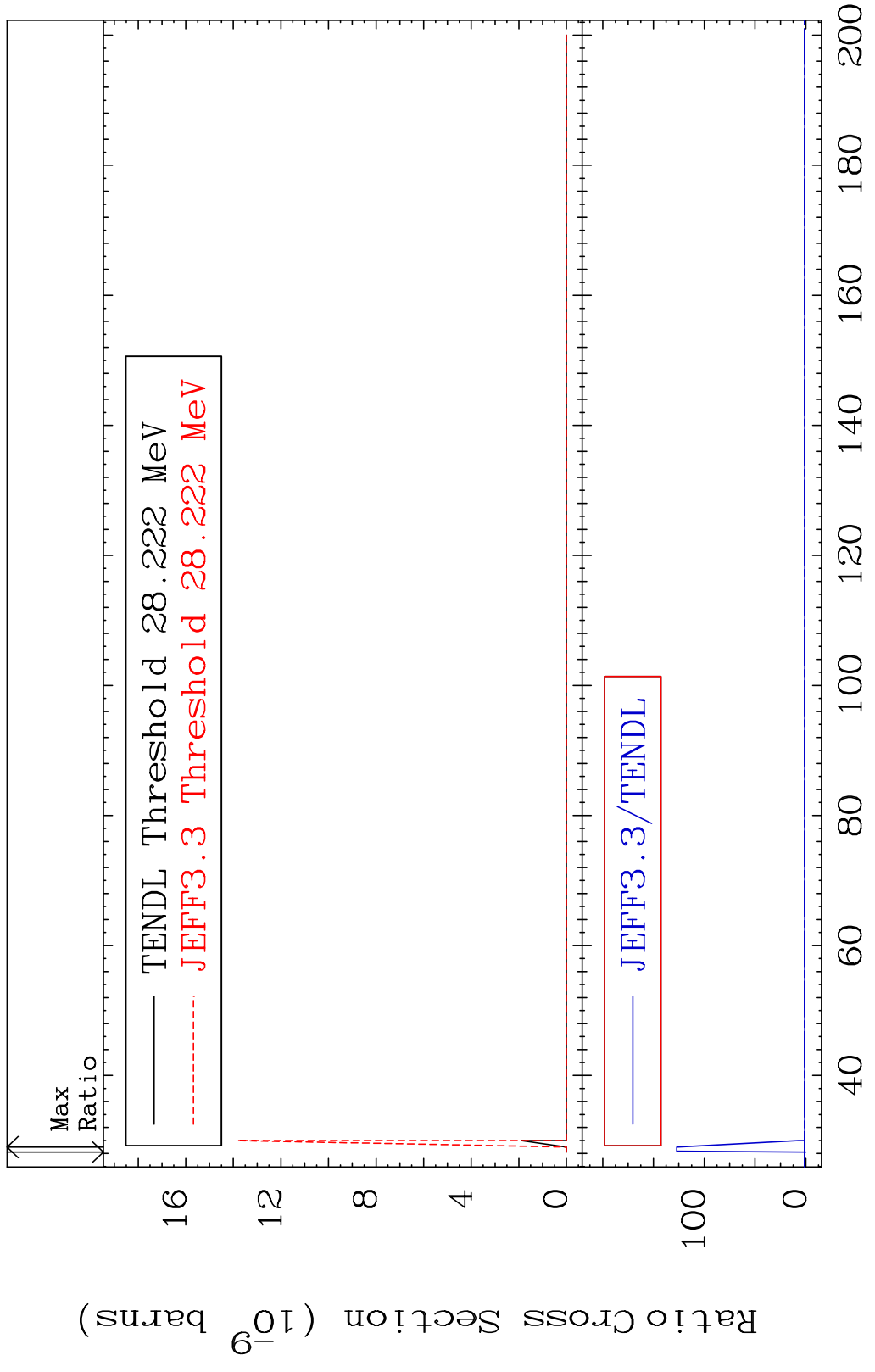
MAT 2028 Dpa inelastic (mt51-91) 20-Ca-41  
 Cross Section -20.84 To 9999. %



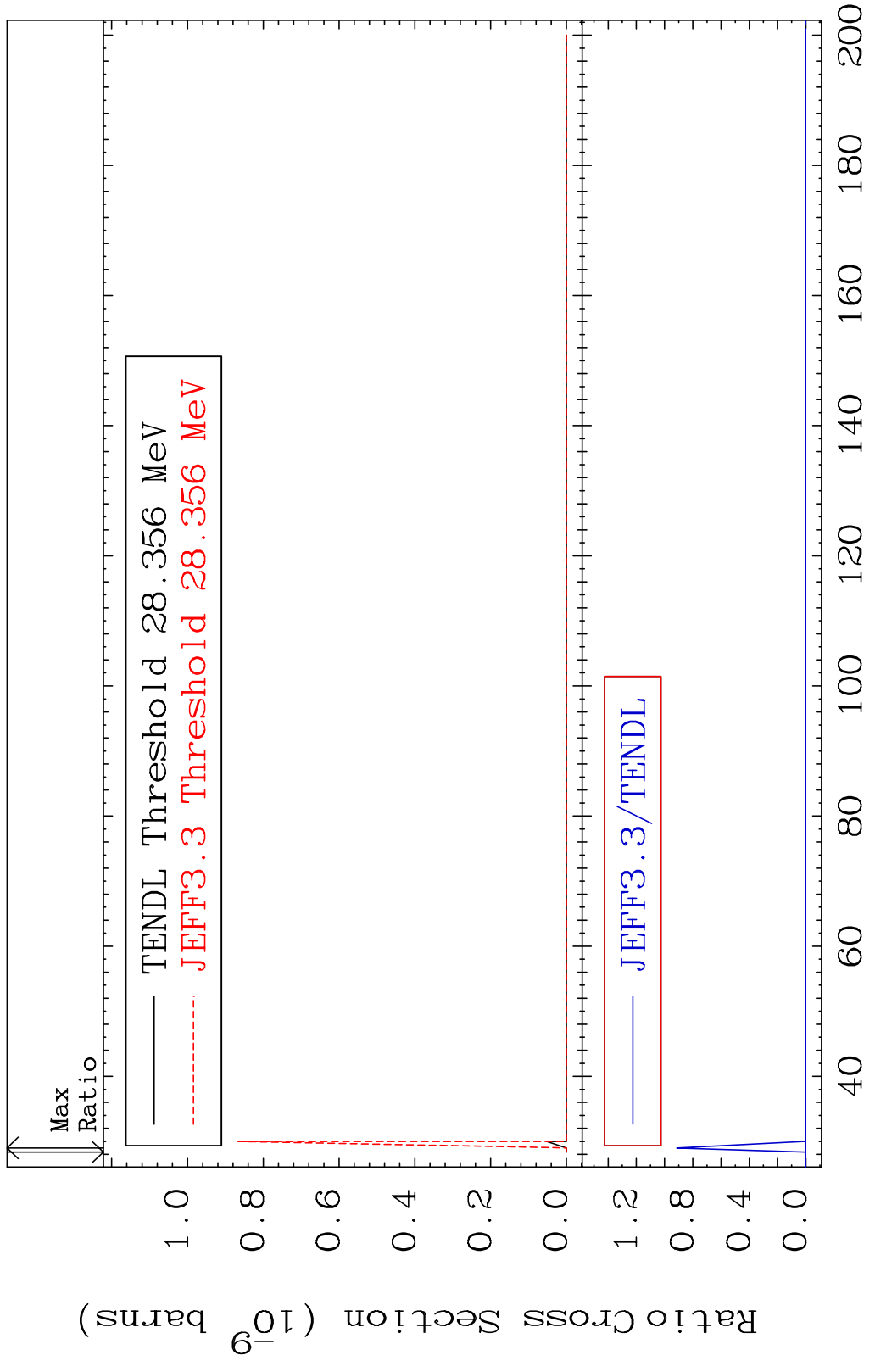
MAT 2028 Dpa disappearance (mt102 -120) 20-Ca-41  
 Cross Section -80.42 To 445.8 %



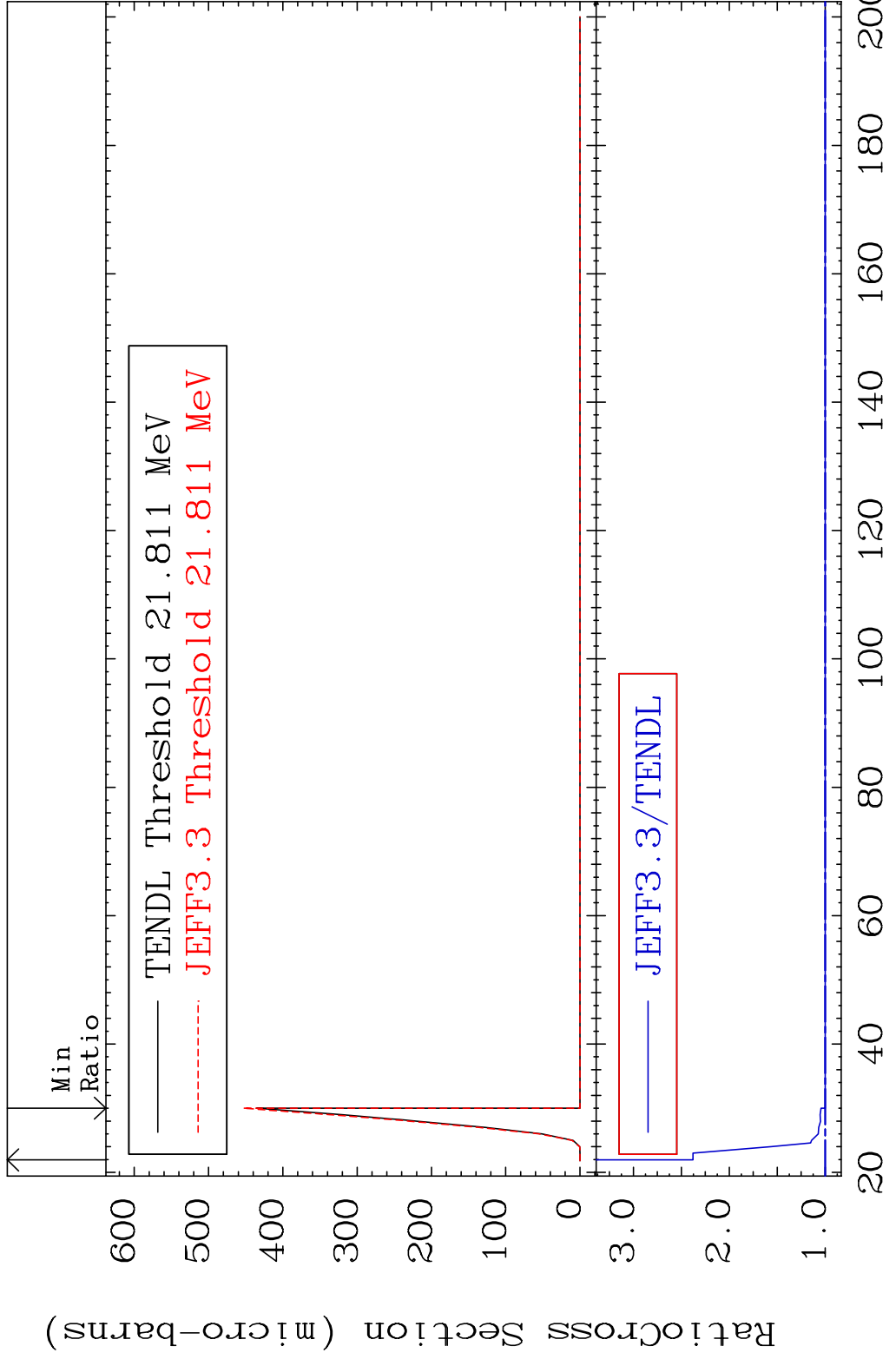
MAT 2028 (n,2n) d:19-K -38g 20-Ca-41  
 Radionuclide Production Cross Section Ratio 9999. %



MAT 2028 (n,2n) d:19-K -38m1 20-Ca-41  
 Radionuclide Production Cross Section 18000 dth 9999. %



MAT 2028 (n, n') t:19-K -38g 20-Ca-41  
 Radionuclide Production Cross Section 137.9 %



MAT 2028 (n, n') t:19-K -38m1 20-Ca-41  
 Radionuclide Production Cross Section 1800 d to 493.2 %

