

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

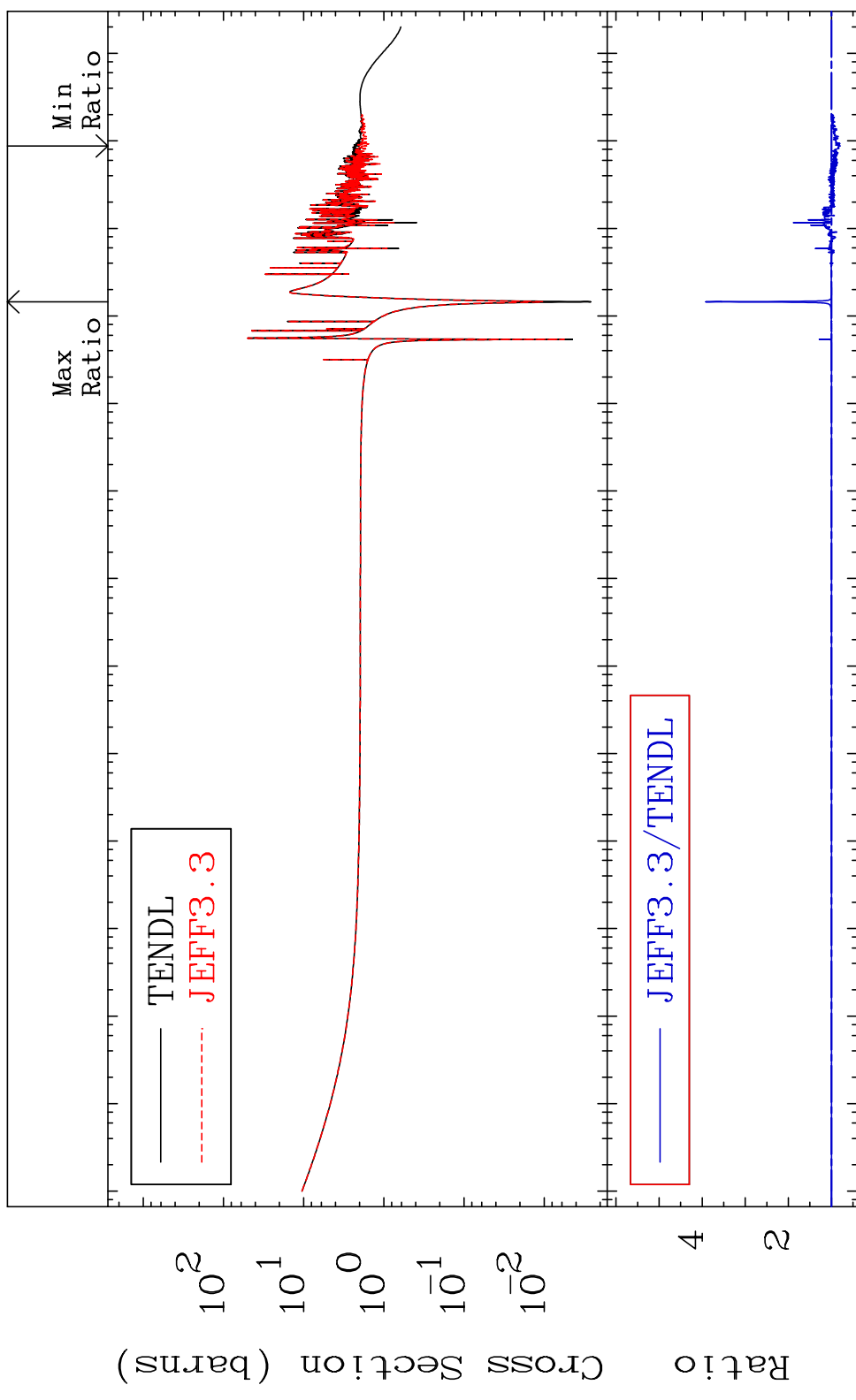
MAT 1425

Total

14-Si-28

Cross Section

-20.80 To 291.8 %



1

Incident Energy (eV)

14-Si-28

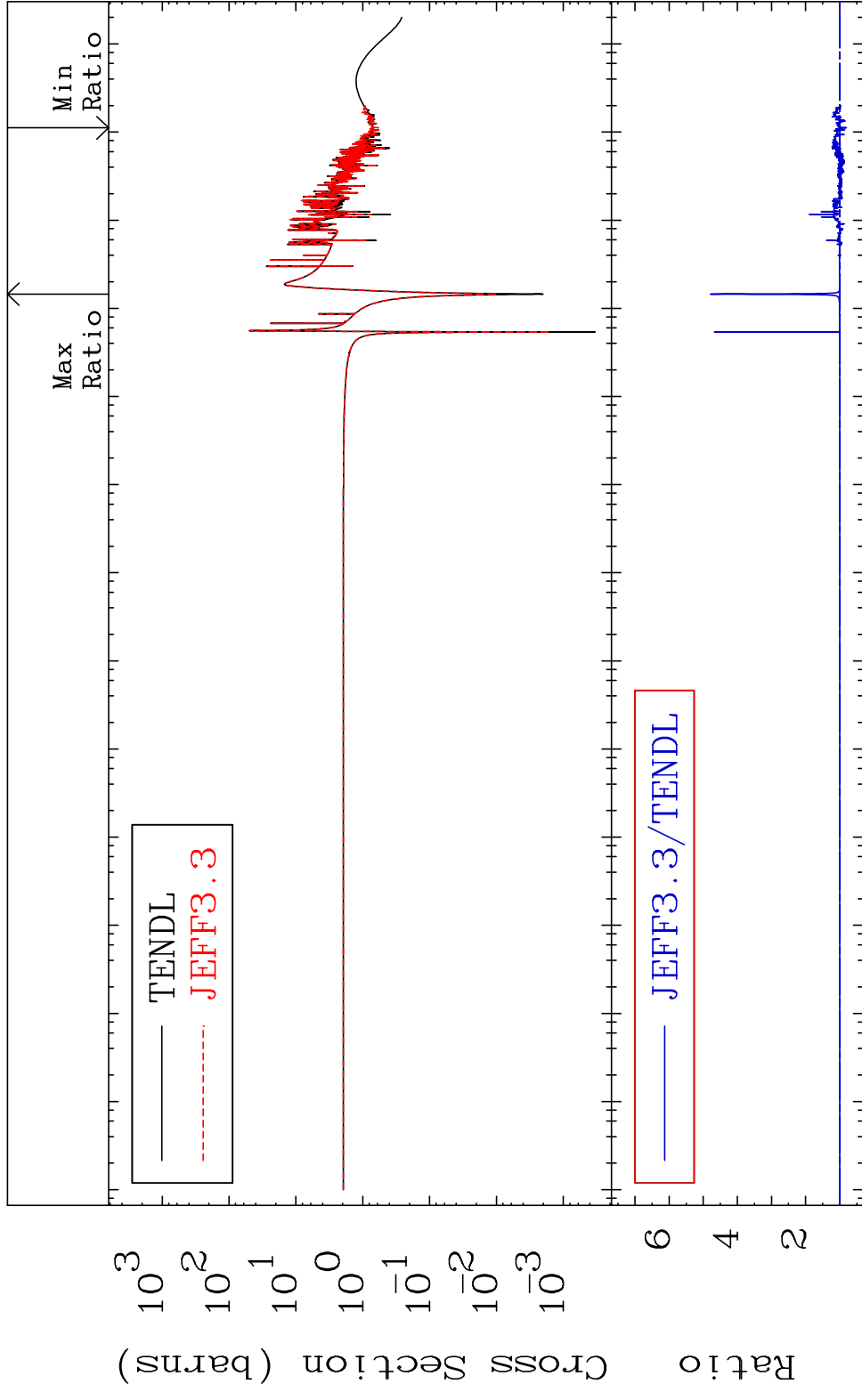
MAT 1425

Elastic

14-Si-28

Cross Section

-19.48 To 378.0 %



2

Incident Energy (eV)

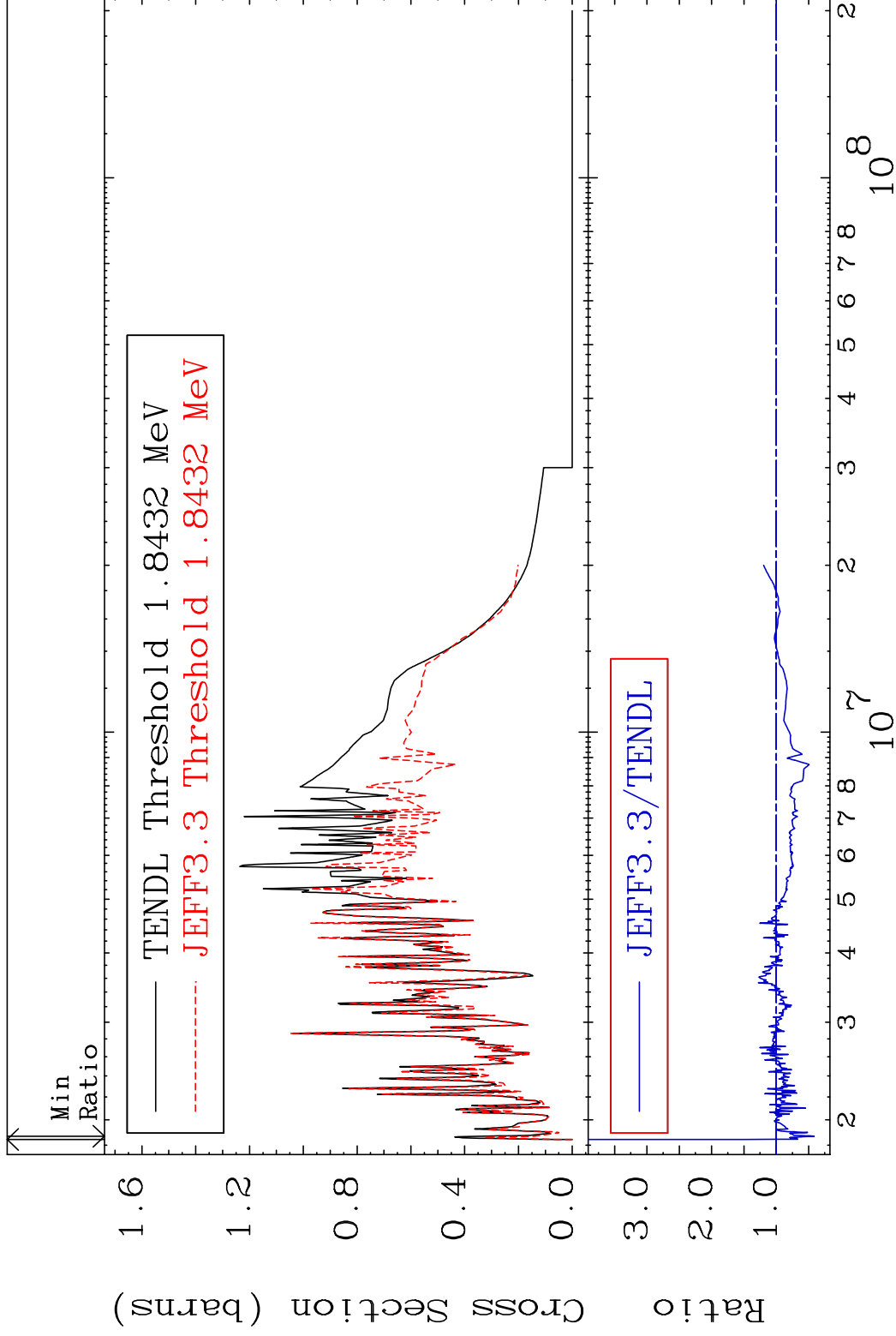
14-Si-28

MAT 1425

Inelastic

<sup>14</sup>Si-28

Cross Section -58.52 To 143.2 %



3

Incident Energy (eV)

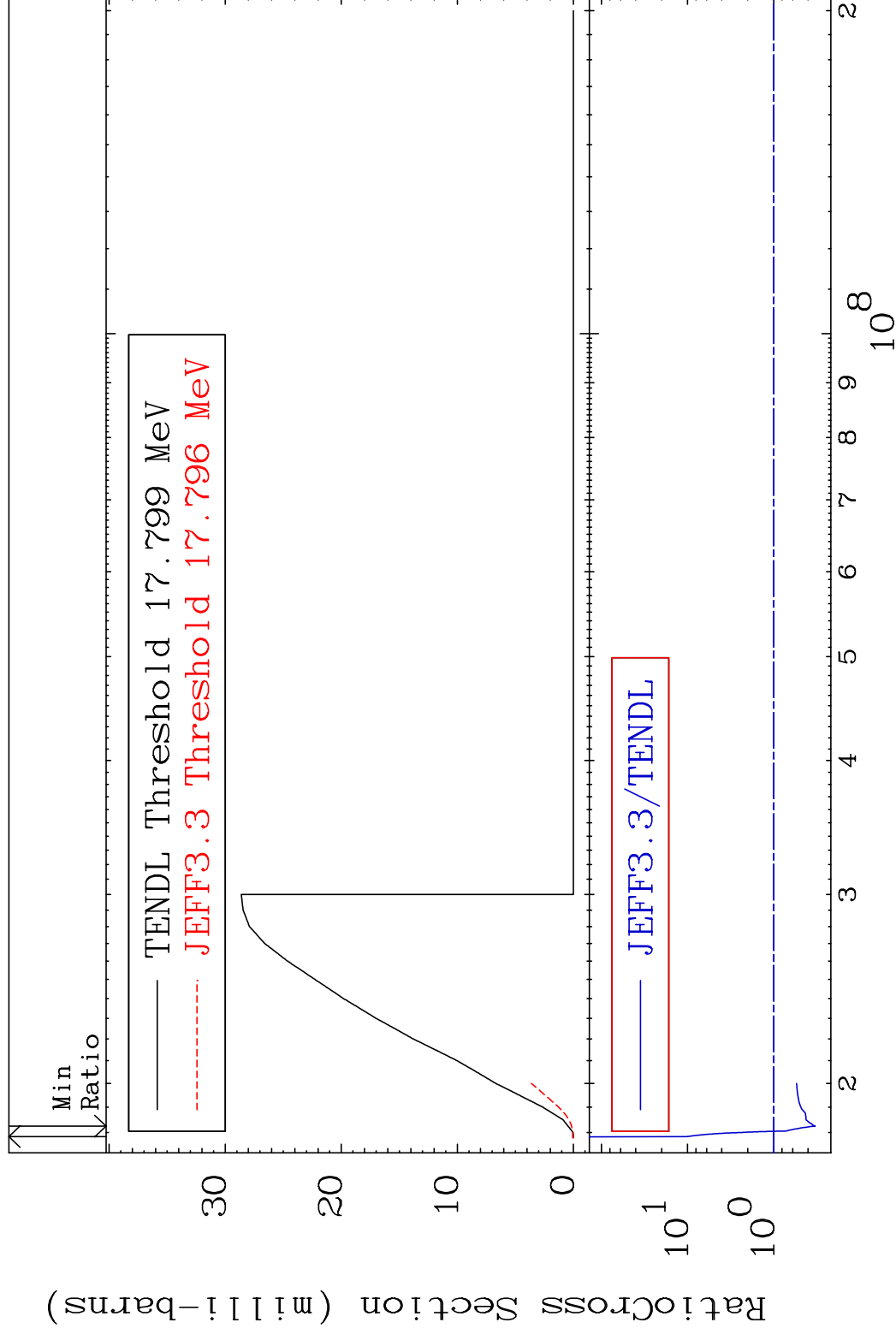
<sup>14</sup>Si-28

MAT 1425

(n,2n)

14-Si-28

Cross Section -66.93 To 979.5 %



4

Incident Energy (eV)

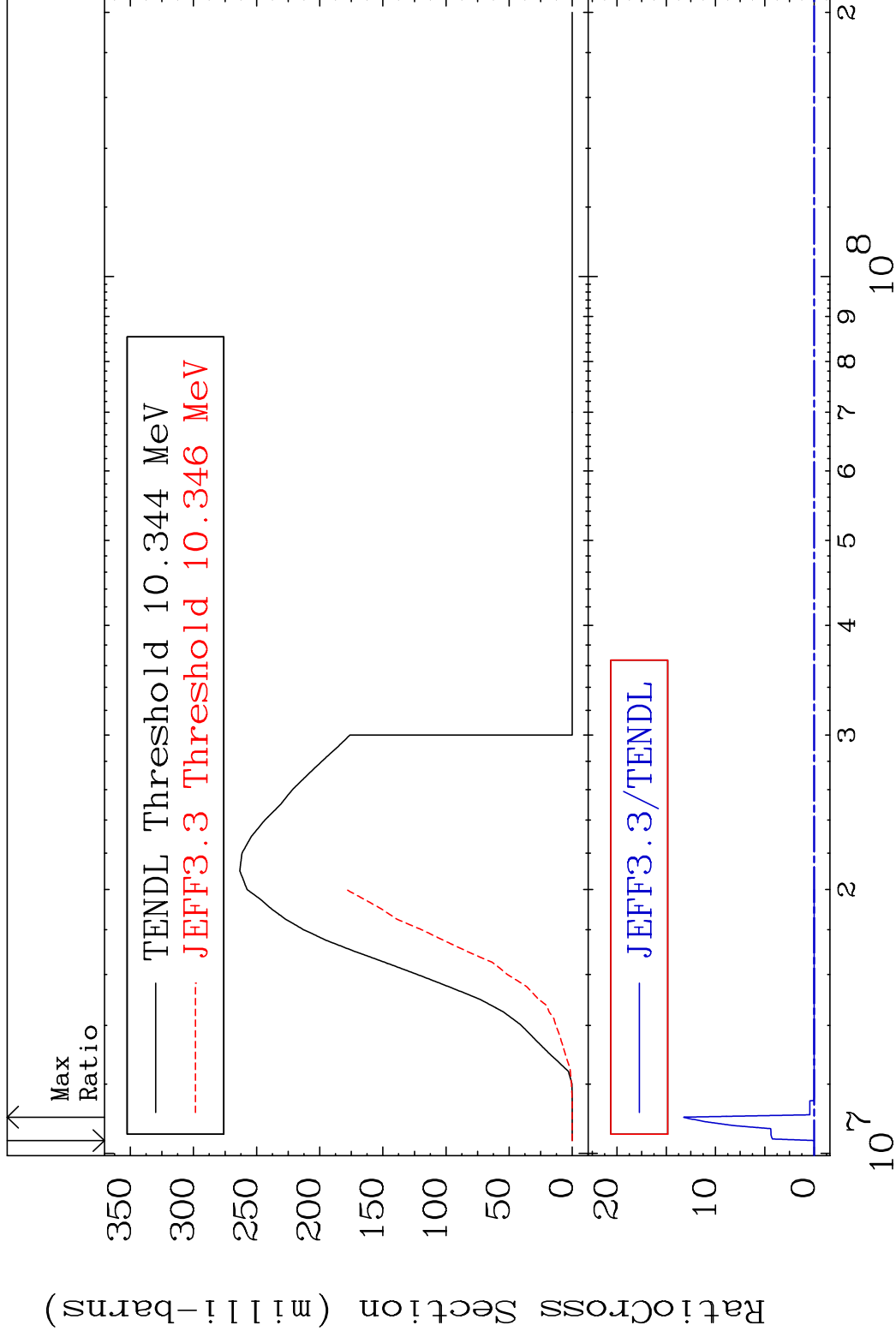
14-Si-28

MAT 1425

(n, n')  $\alpha$

14-Si-28

Cross Section -100.0 To 9999. %



5

Incident Energy (eV)

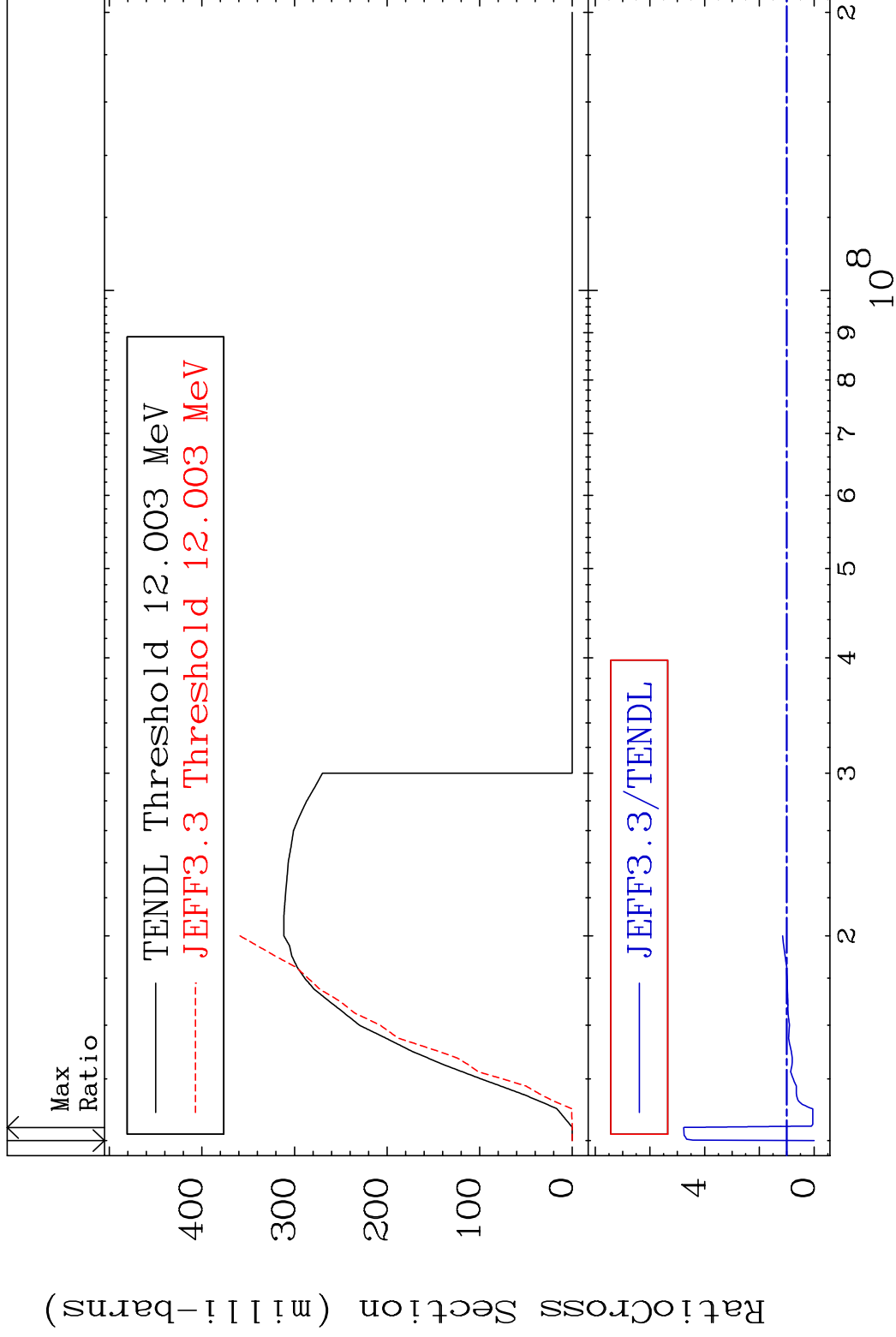
14-Si-28

MAT 1425

(n, n') p

14-Si-28

Cross Section -100.0 To 376.8 %



6

Incident Energy (eV)

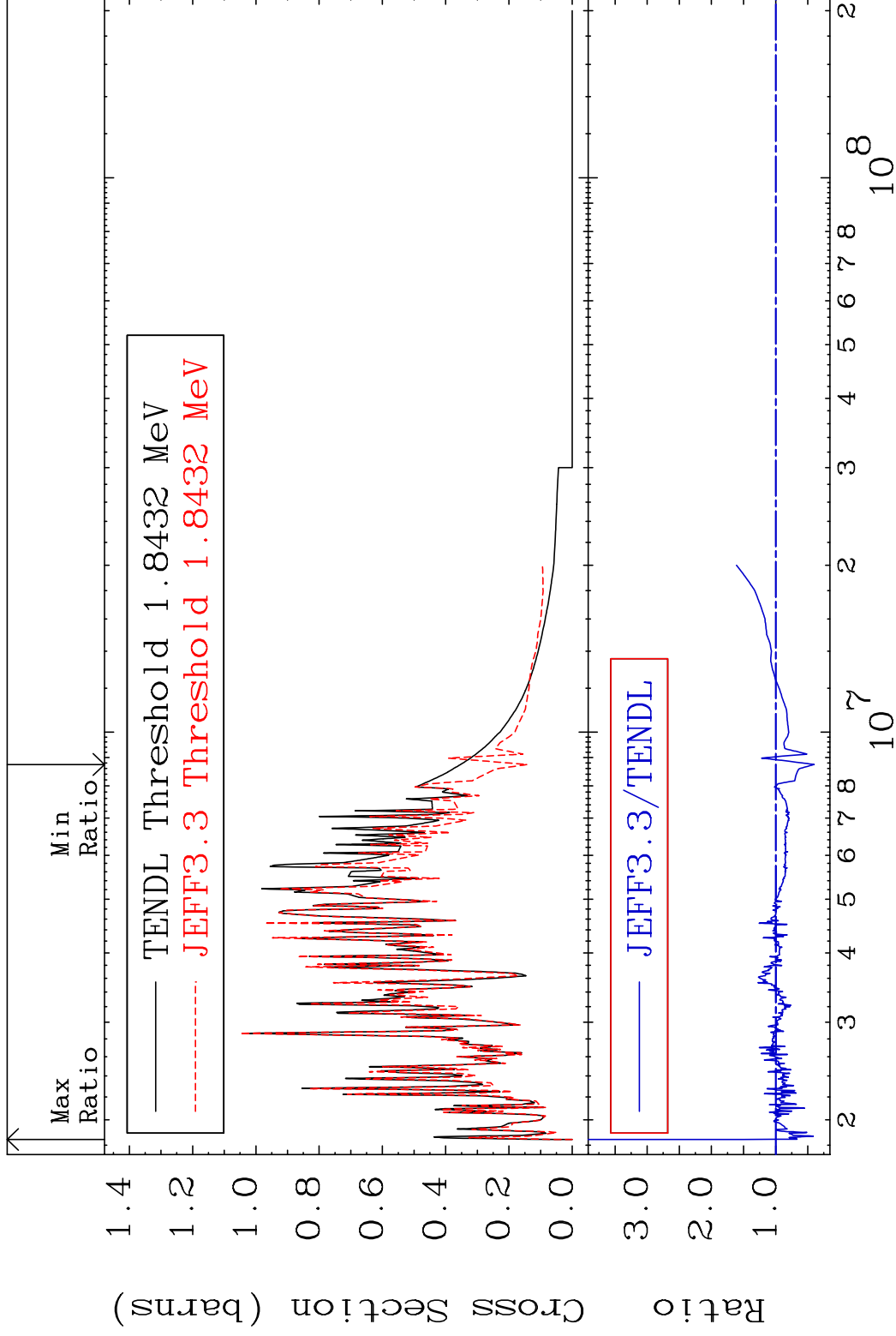
14-Si-28

MAT 1425

MT= 51 (n, n') Level

14-Si-28

Cross Section -59.82 To 143.2 %



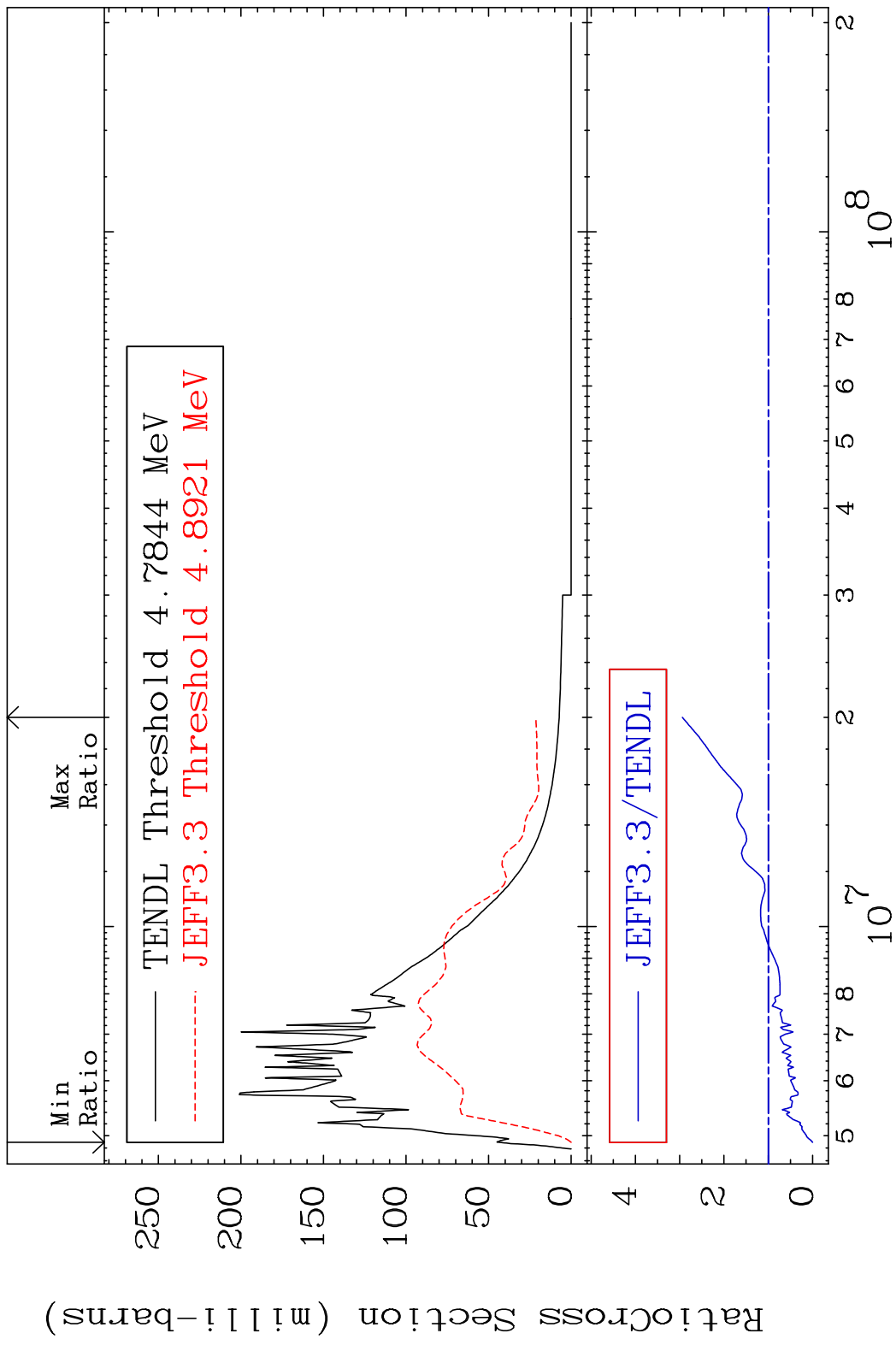
7

Incident Energy (eV)

14-Si-28

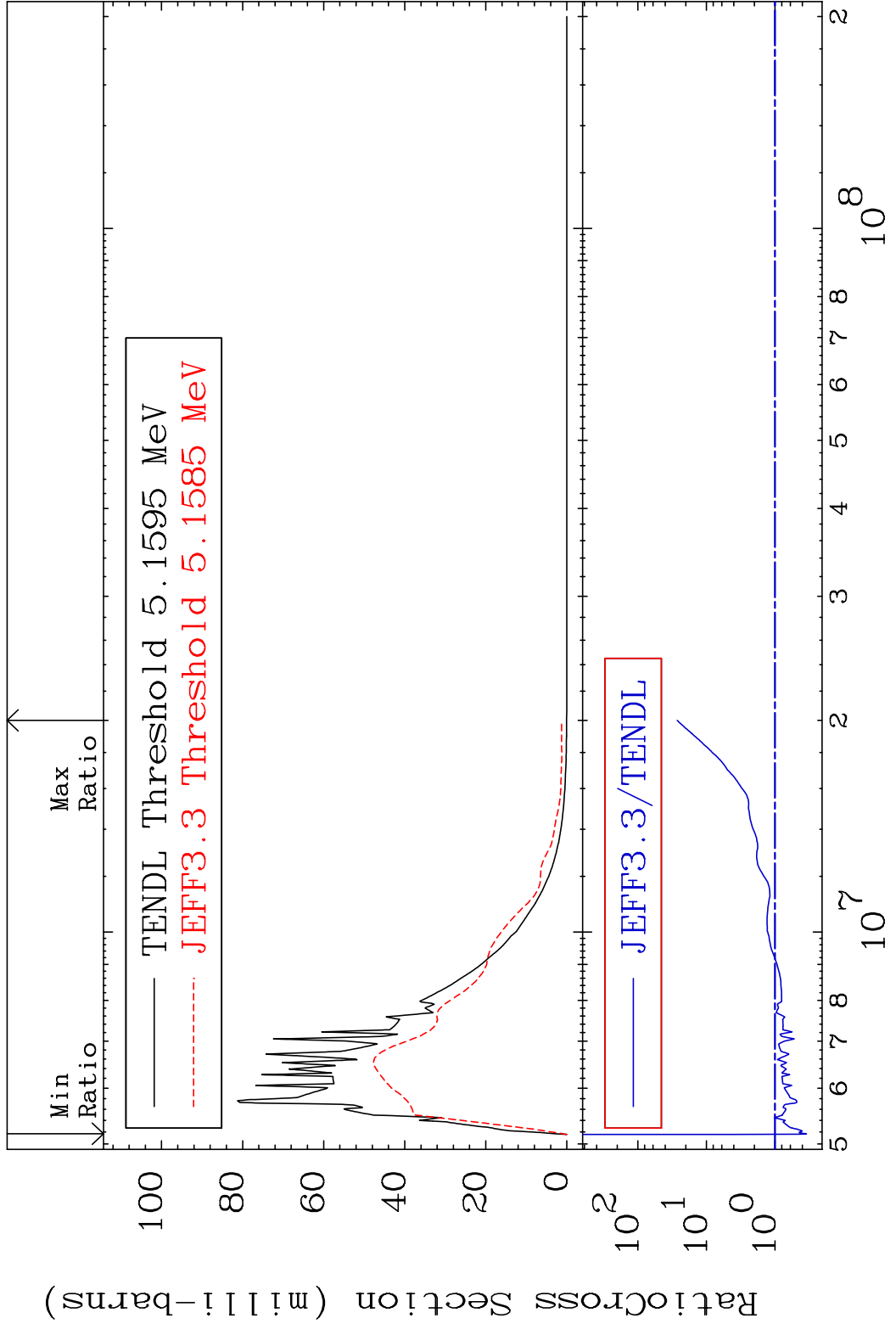


MAT 1425 MT= 52 (n, n') Level 14-Si-28  
 Cross Section -100.0 To 193.9 %



8 Incident Energy (eV) 14-Si-28

MAT 1425 MT= 53 (n, n') Level 14-Si-28  
 Cross Section -65.07 To 2574. %

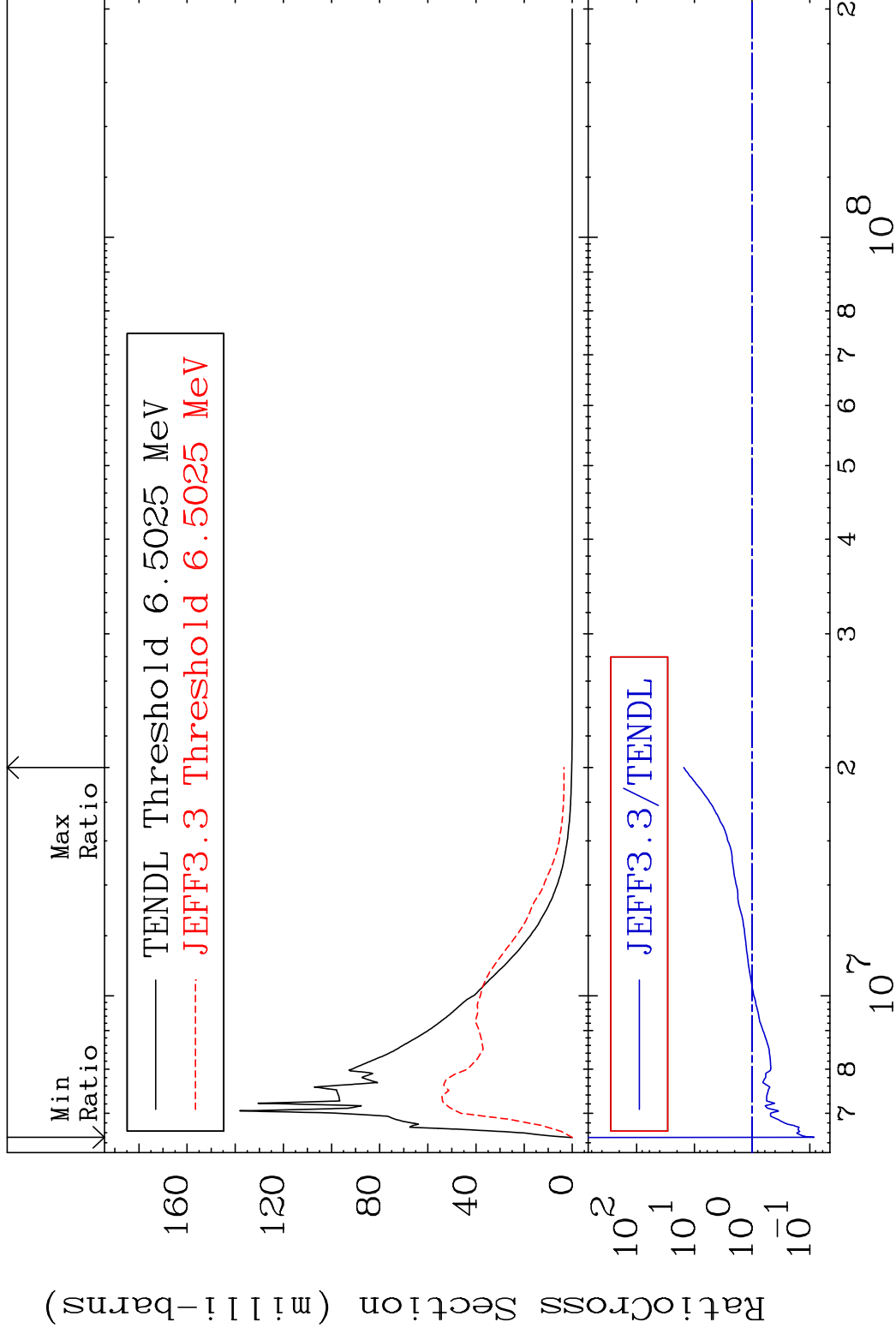


MAT 1425

MT= 54 (n,n') Level

14-Si-28

Cross Section -91.57 To 1432. %

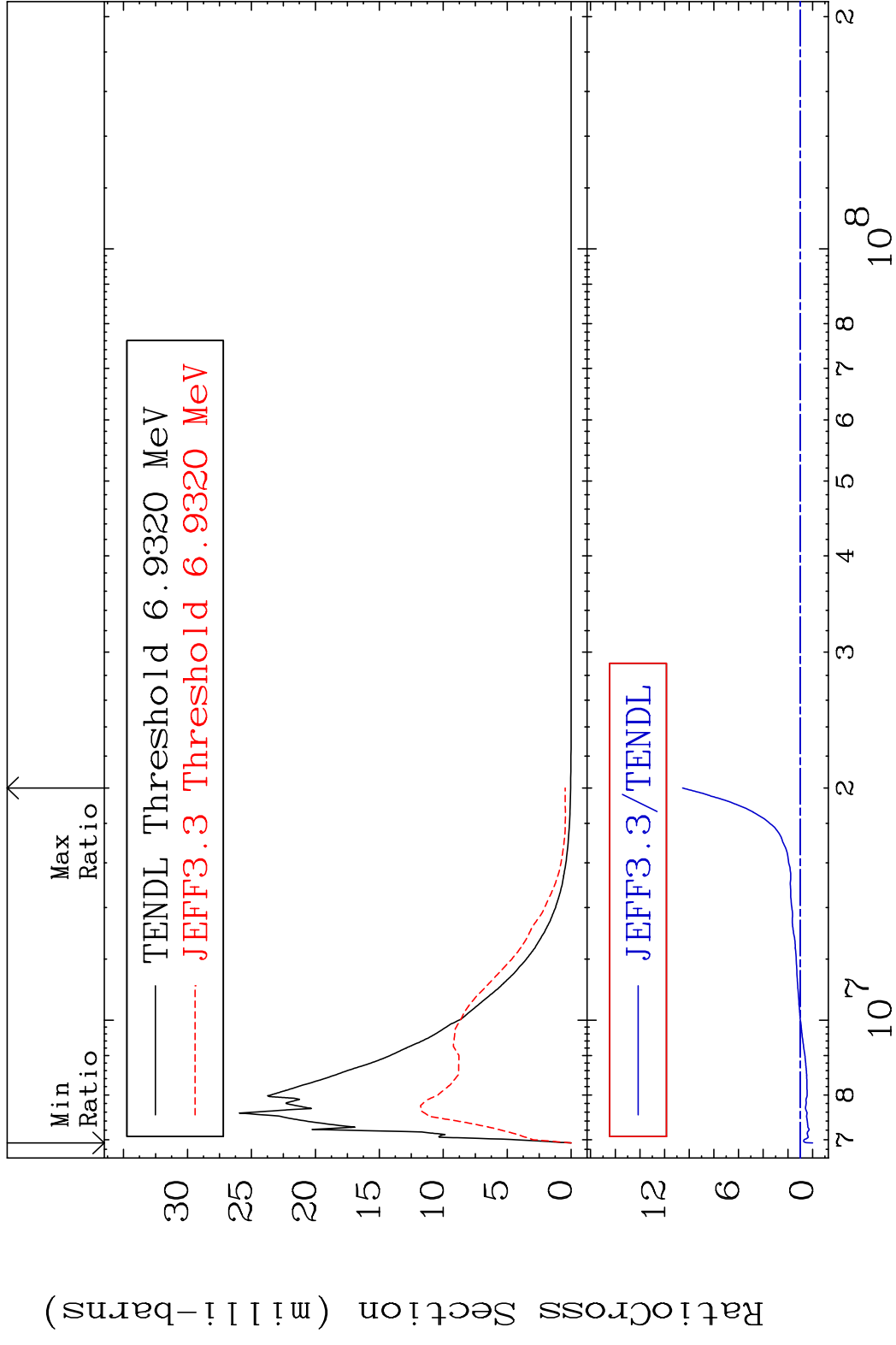


10

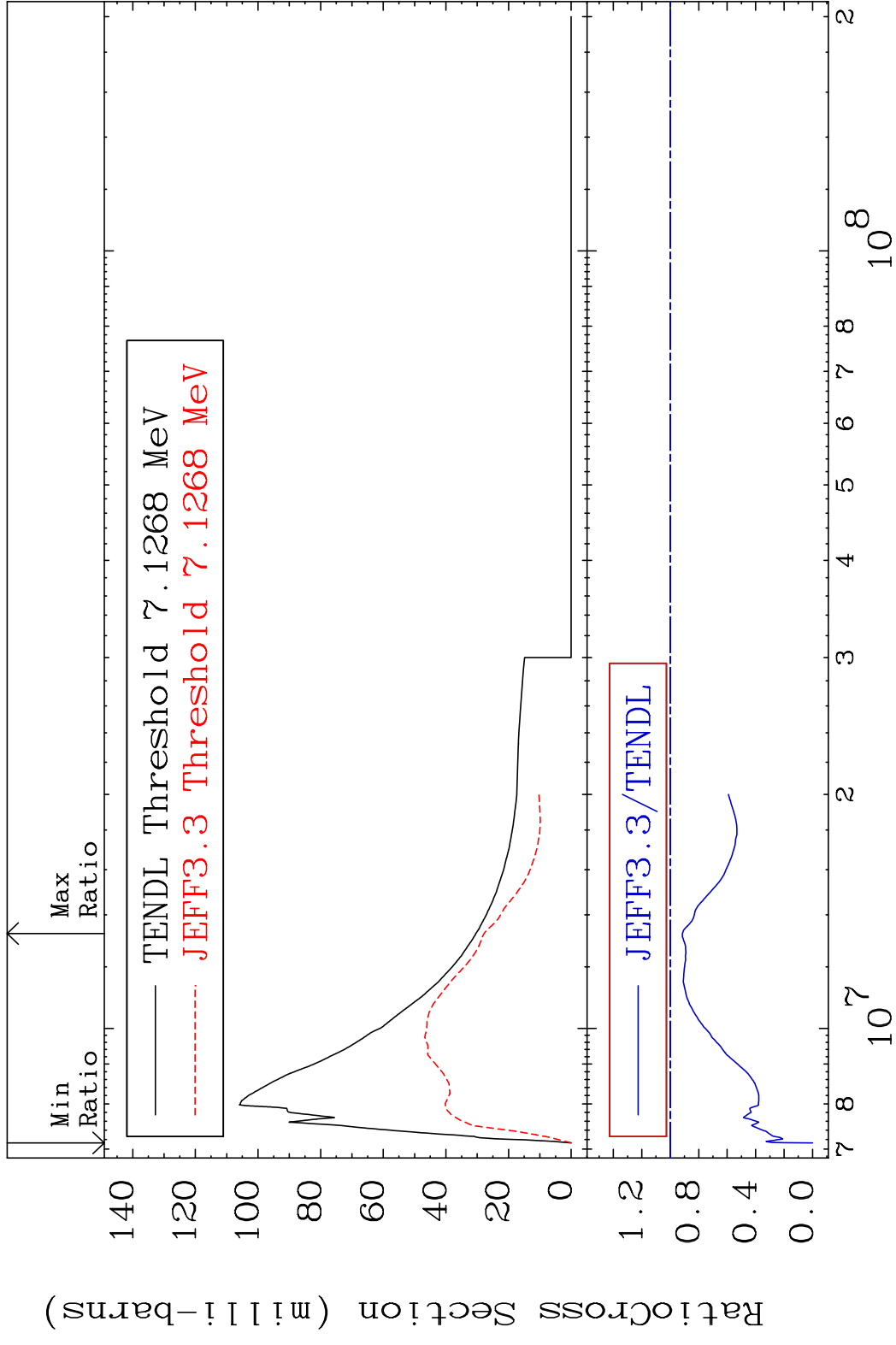
Incident Energy (eV)

14-Si-28

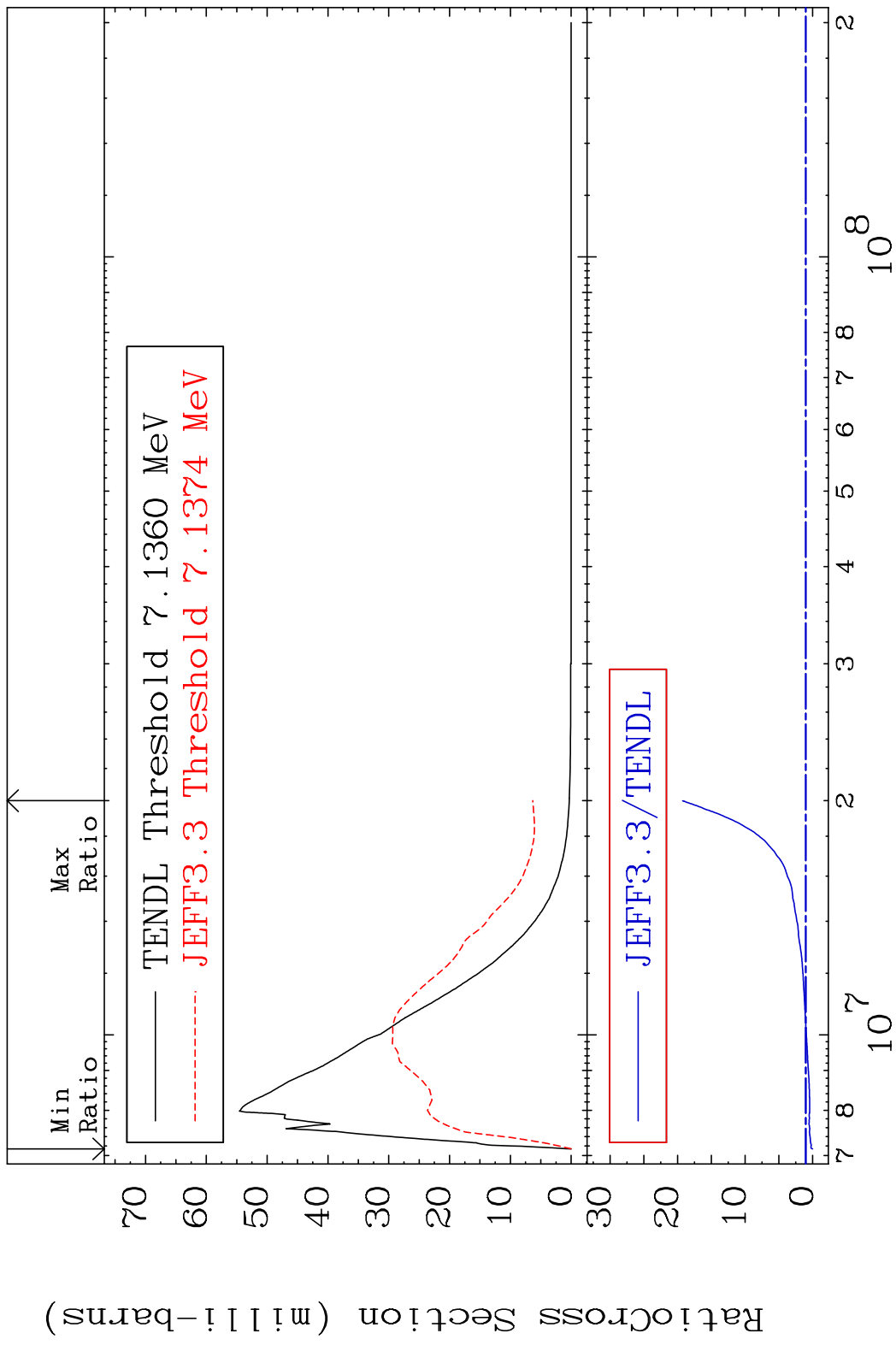
MAT 1425 MT= 55 (n,n') Level 14-Si-28  
 Cross Section -100.0 To 955.8 %



MAT 1425 MT= 56 (n,n') Level 14-Si-28  
 Cross Section -100.0 To -8.488%

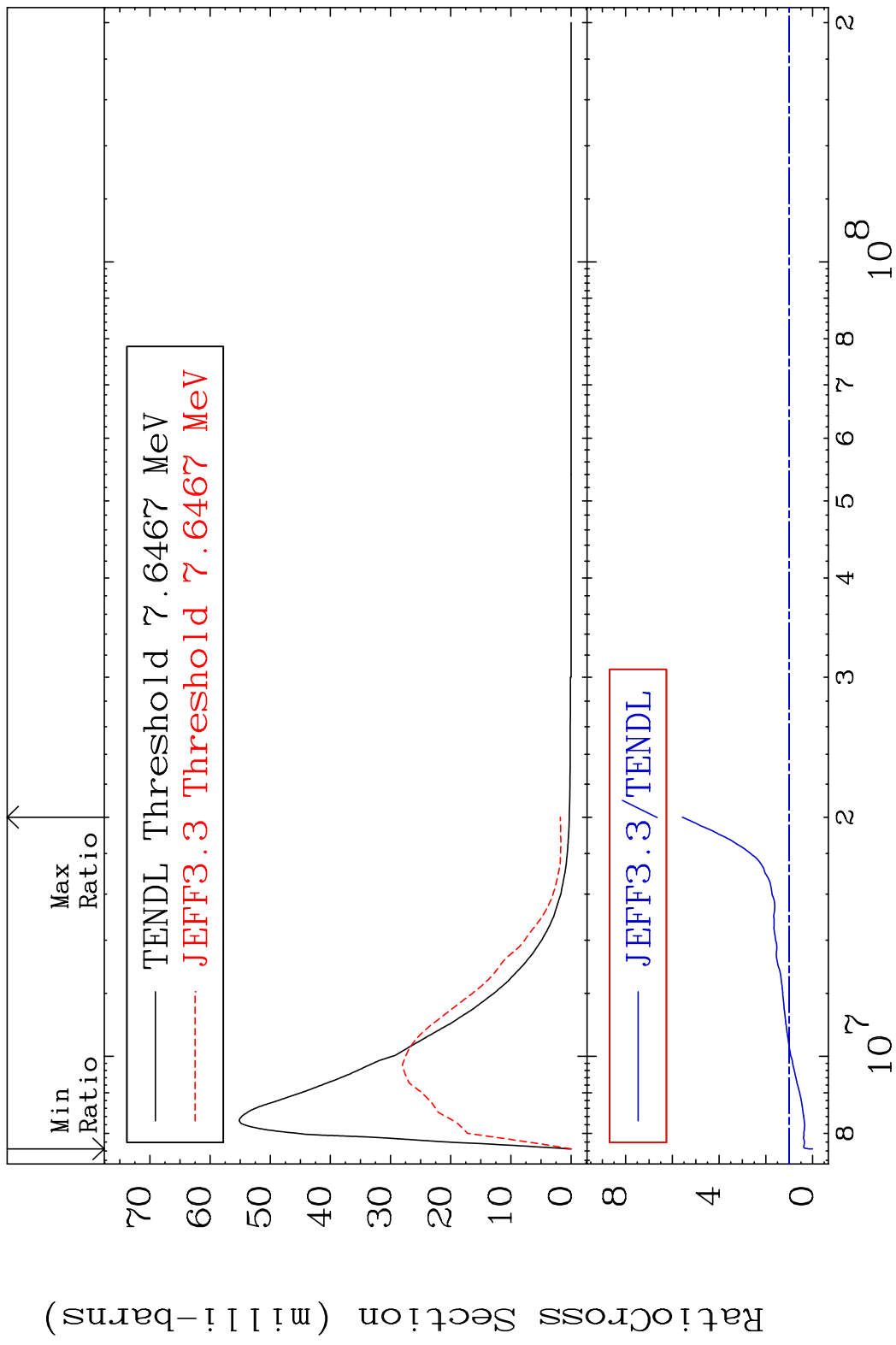


MAT 1425 MT= 57 (n, n') Level 14-Si-28  
 Cross Section -100.0 To 1828. %



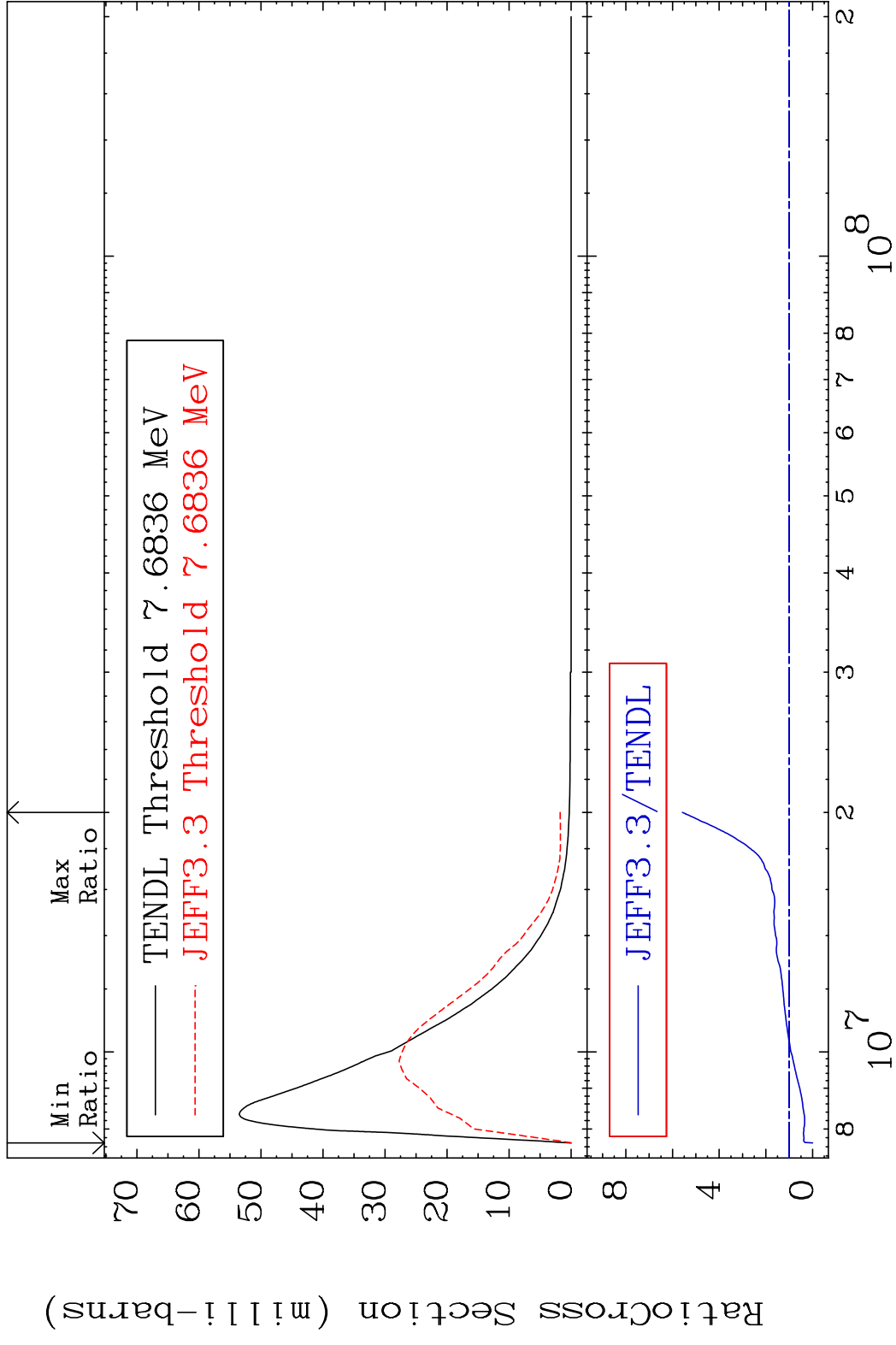
13 Incident Energy (eV) 14-Si-28

MAT 1425 MT= 58 (n,n') Level 14-Si-28  
 Cross Section -100.0 To 457.3 %



14 14-Si-28

MAT 1425 MT= 59 (n,n') Level 14-Si-28  
 Cross Section -100.0 To 457.9 %



15 14-Si-28

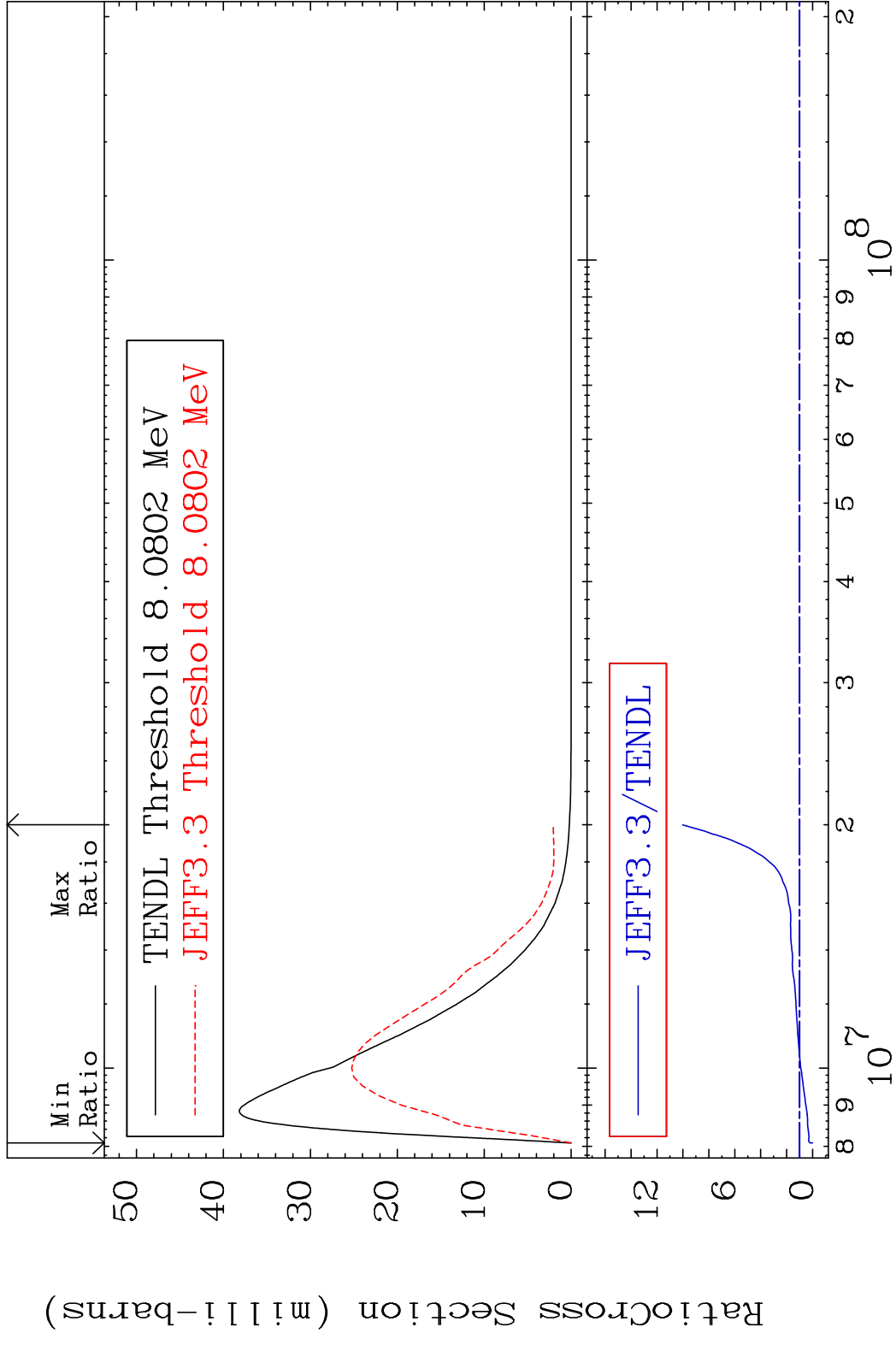


MAT 1425

MT= 60 (n, n') Level

14-Si-28

Cross Section -100.0 To 904.3 %



16

Incident Energy (eV)

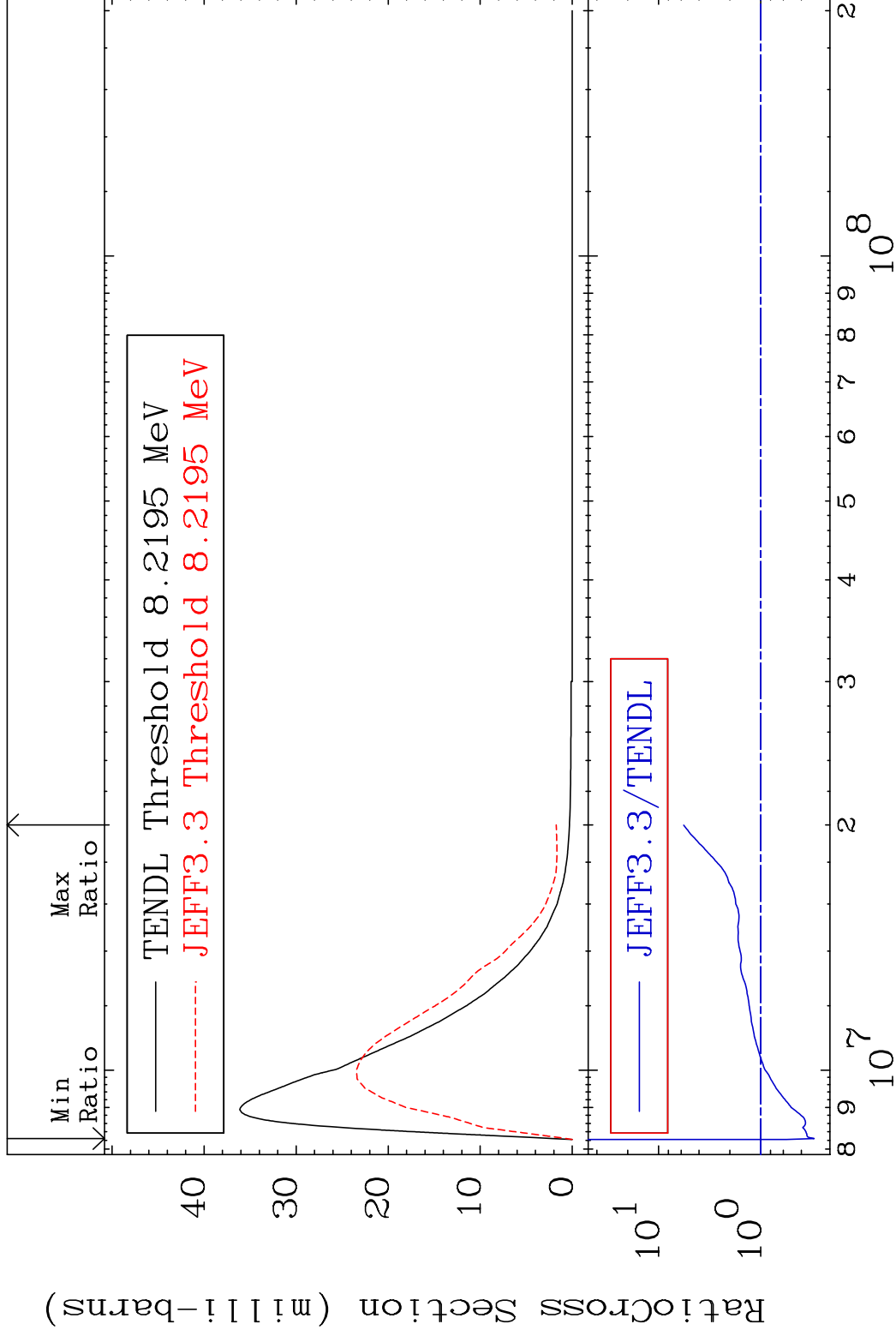
14-Si-28

MAT 1425

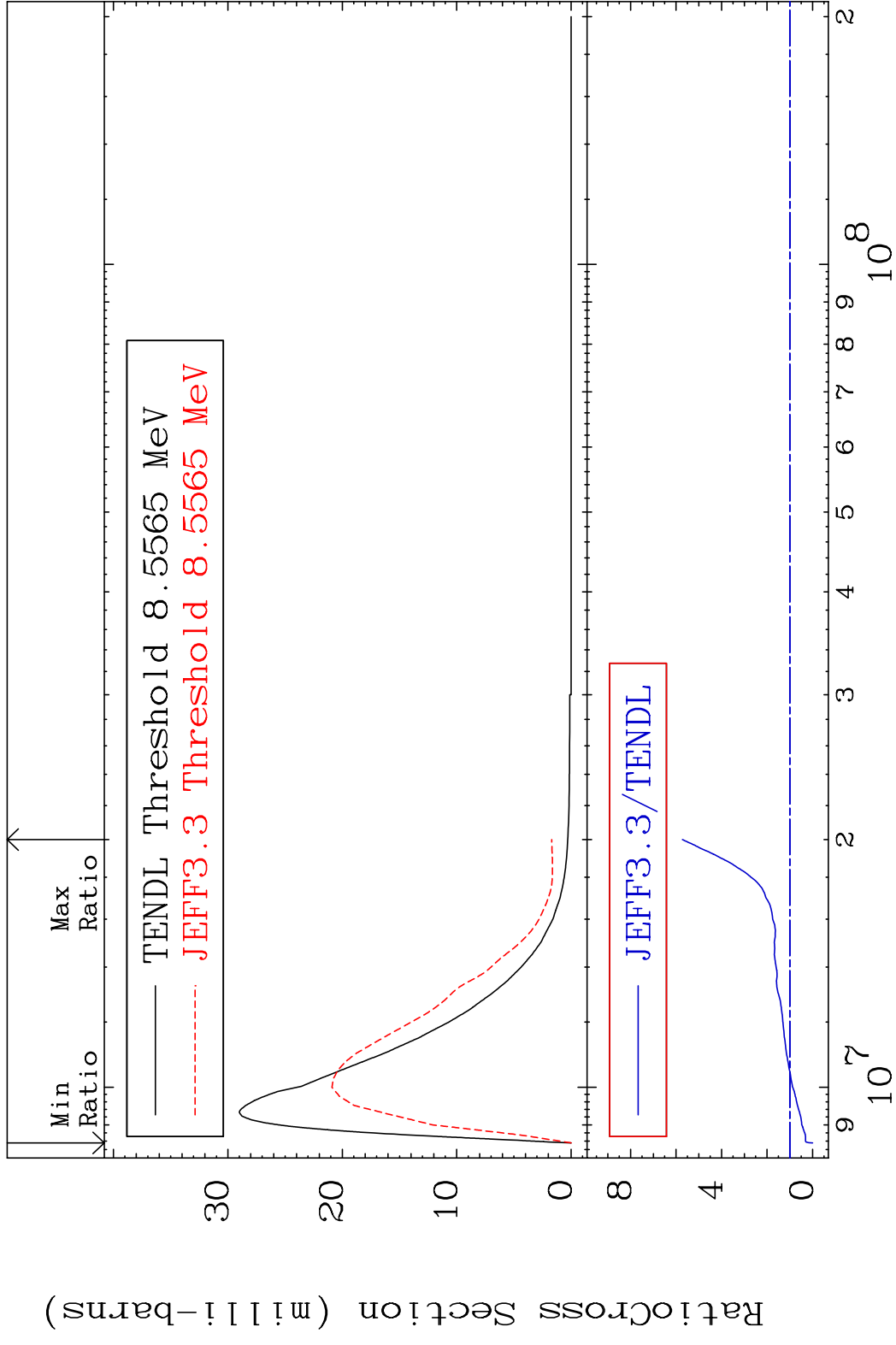
MT= 61 (n, n') Level

14-Si-28

Cross Section -70.03 To 466.6 %



MAT 1425 MT= 62 (n, n') Level 14-Si-28  
 Cross Section -100.0 To 472.4 %



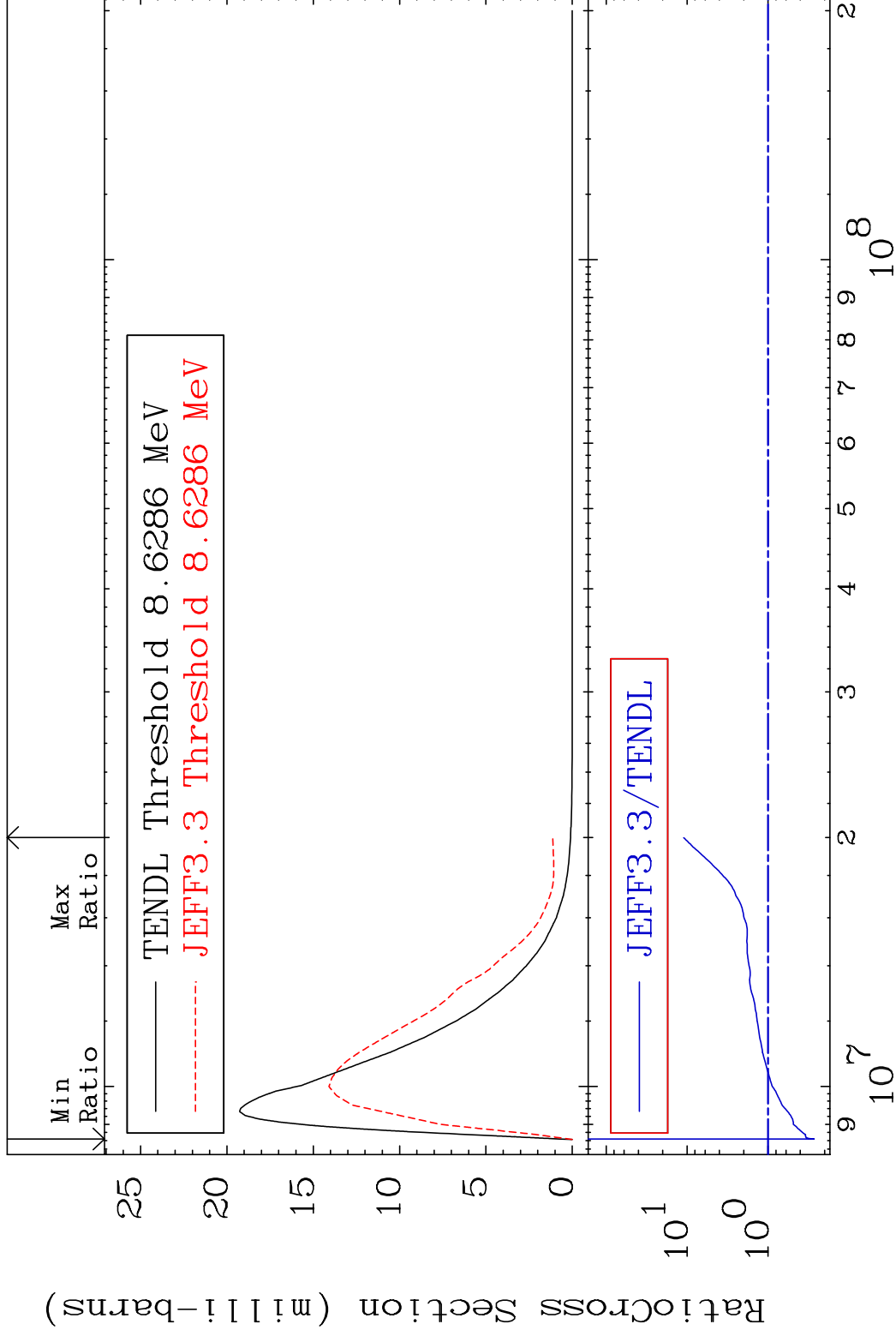
18 Incident Energy (eV) 14-Si-28

MAT 1425

MT= 63 (n, n') Level

14-Si-28

Cross Section -73.00 To 1004. %



19

Incident Energy (eV)

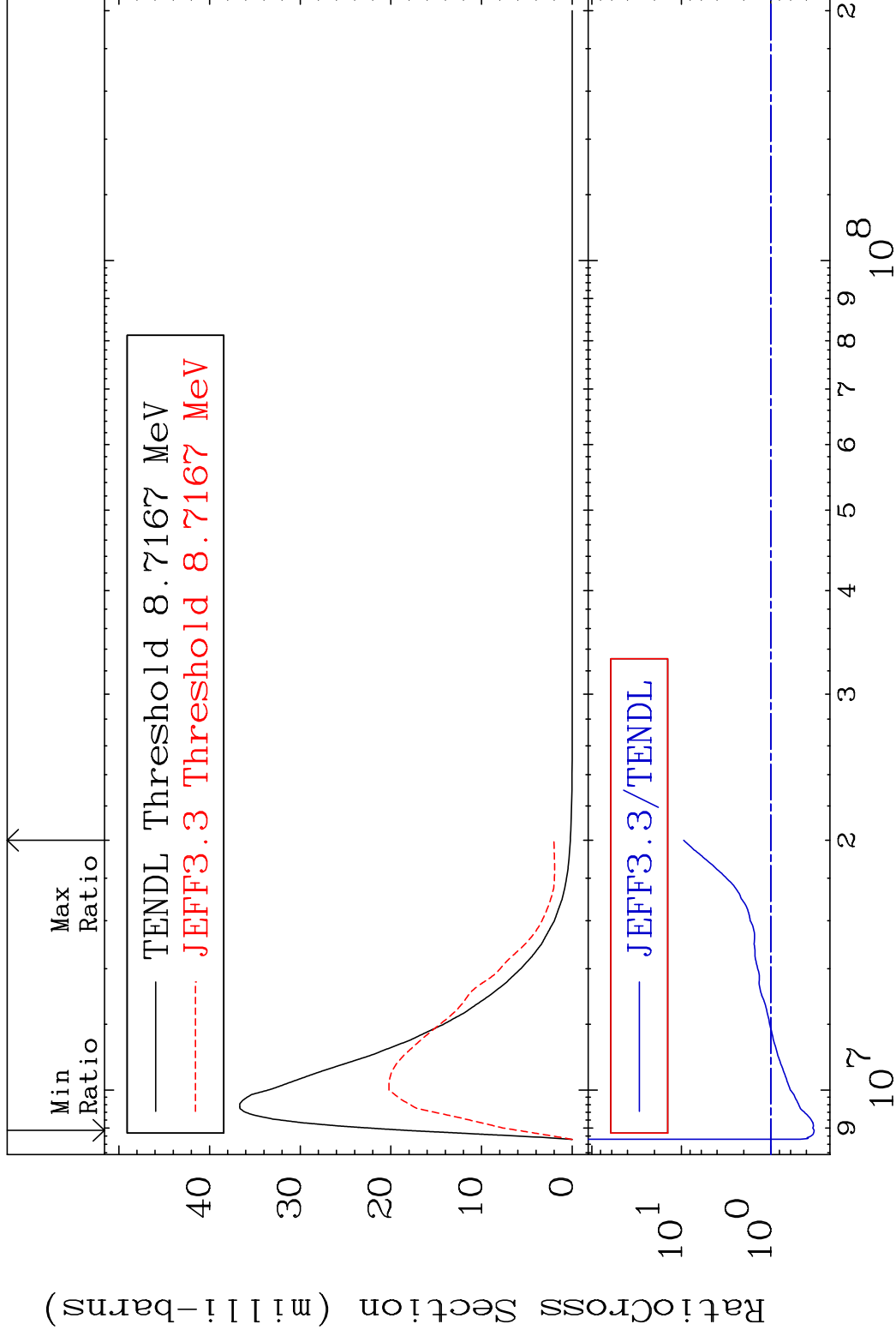
14-Si-28

MAT 1425

MT= 64 (n, n') Level

14-Si-28

Cross Section -67.21 To 843.0 %

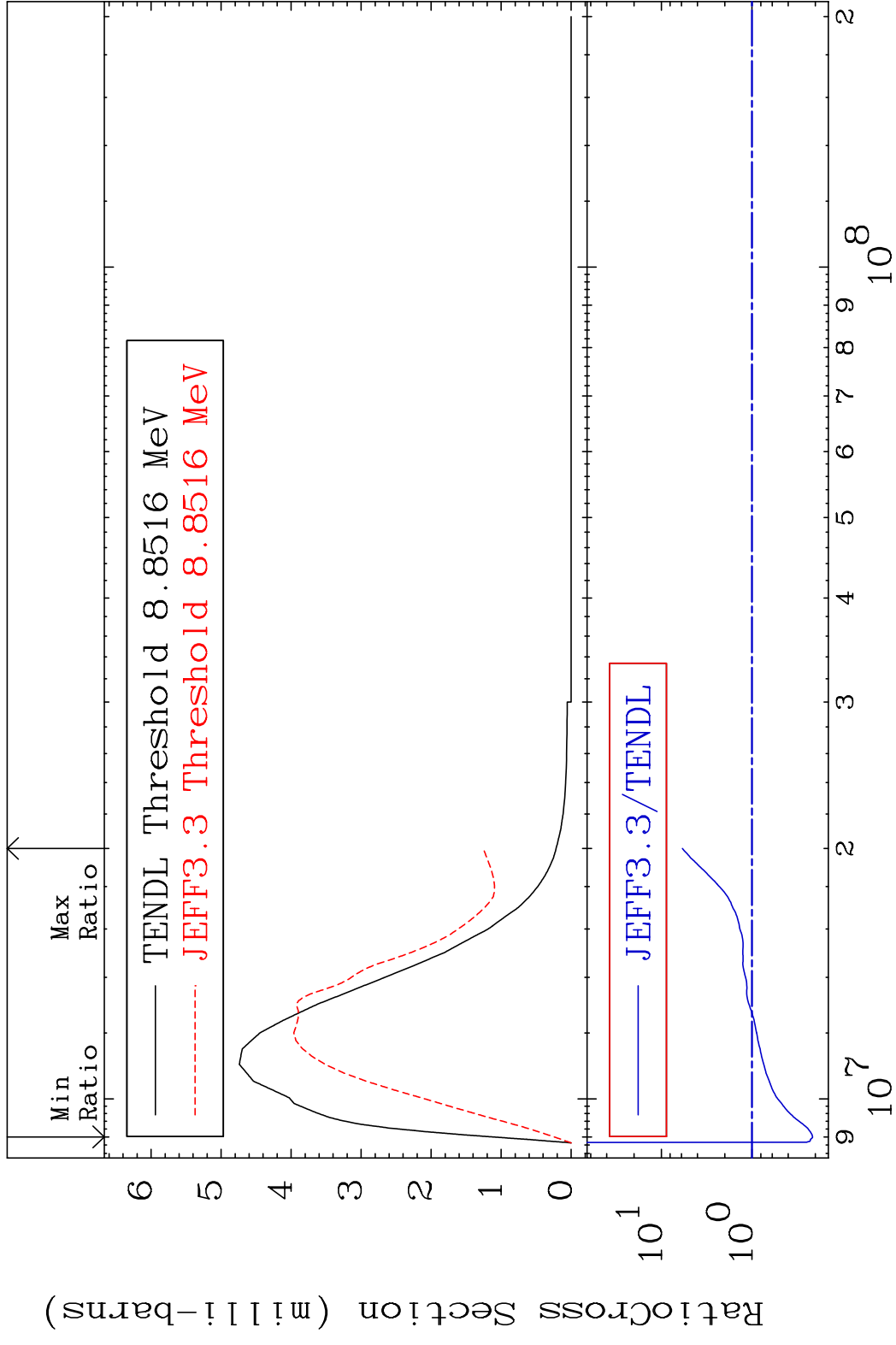


20

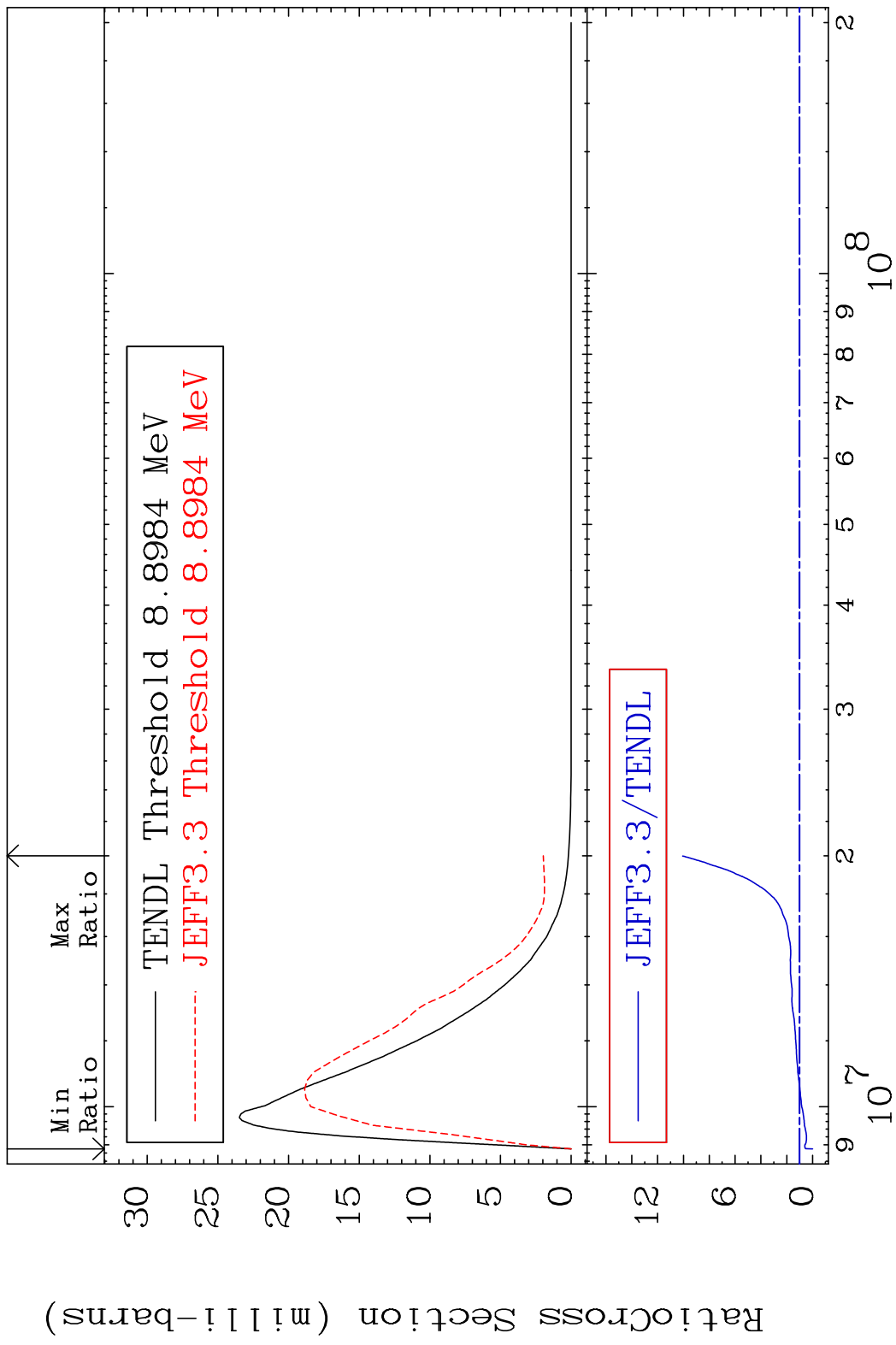
Incident Energy (eV)

14-Si-28

MAT 1425 MT= 65 (n, n') Level 14-Si-28  
 Cross Section -78.49 To 486.4 %

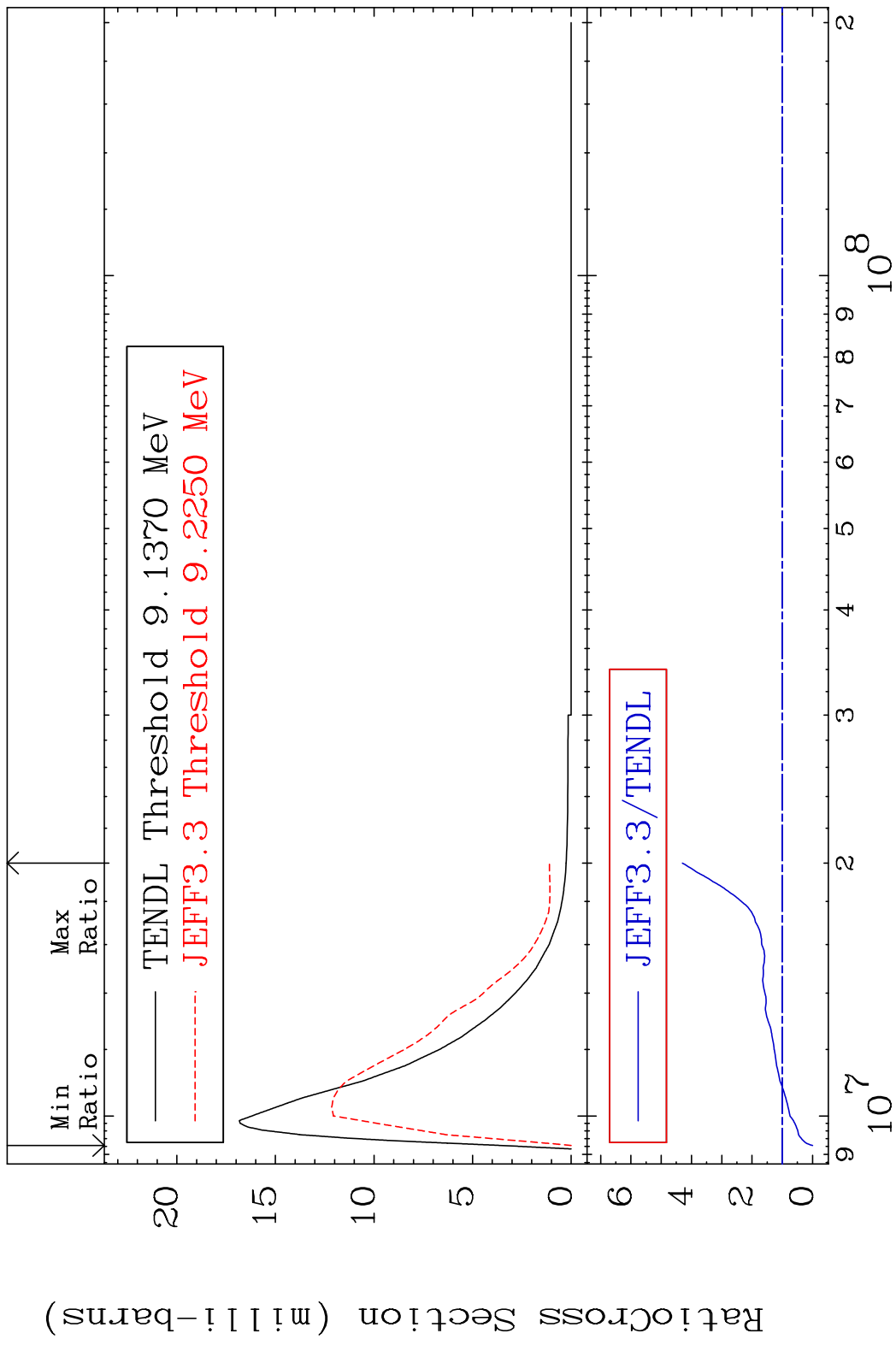


MAT 1425 MT= 66 (n,n') Level 14-Si-28  
 Cross Section -100.0 To 908.3 %



22 14-Si-28

MAT 1425 MT= 67 (n, n') Level 14-Si-28  
 Cross Section -100.0 To 330.1 %



23 Incident Energy (eV) 14-Si-28

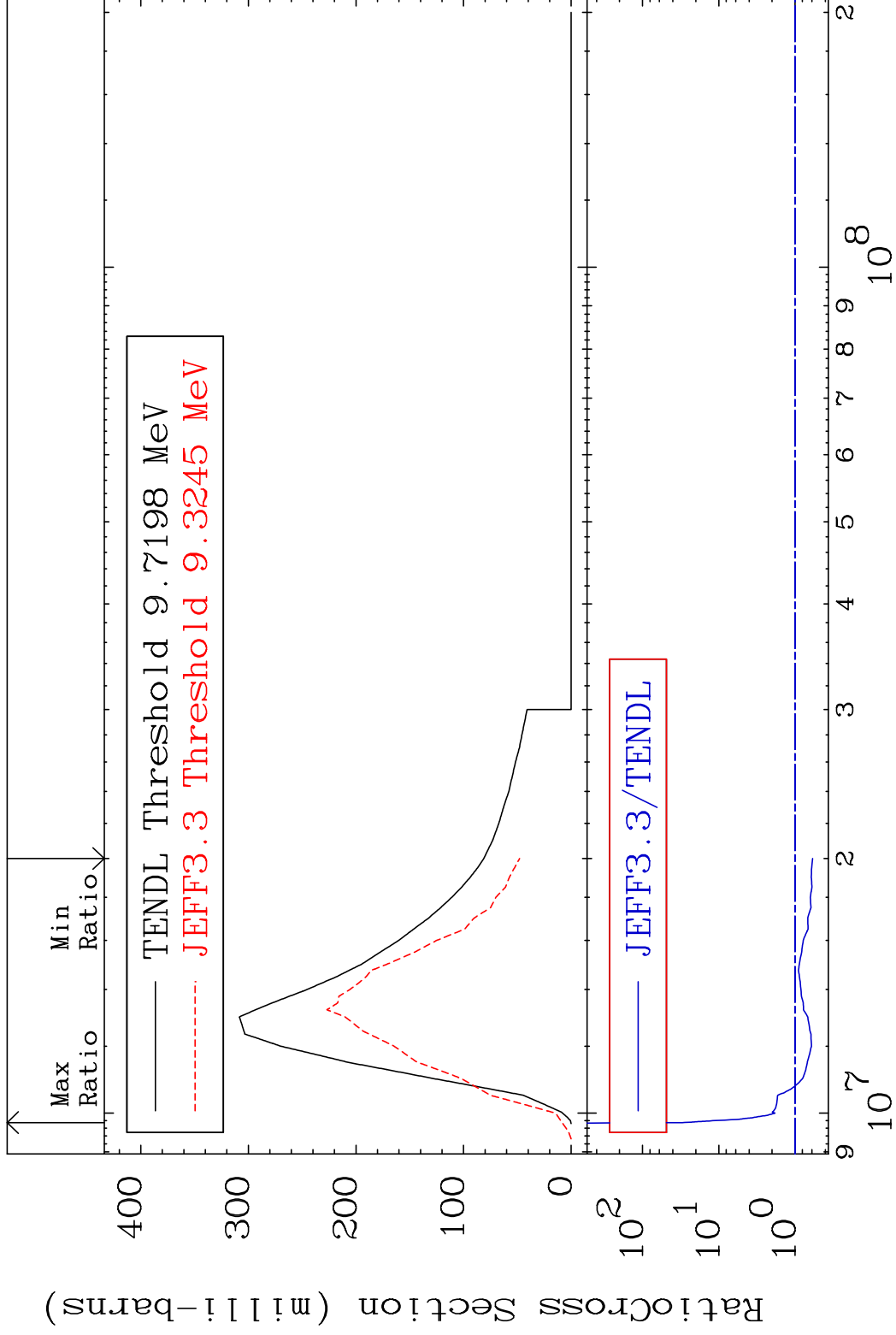


MAT 1425

(n,n') Continuum

<sup>14</sup>Si-28

Cross Section -41.08 To 2903. %



24

Incident Energy (eV)

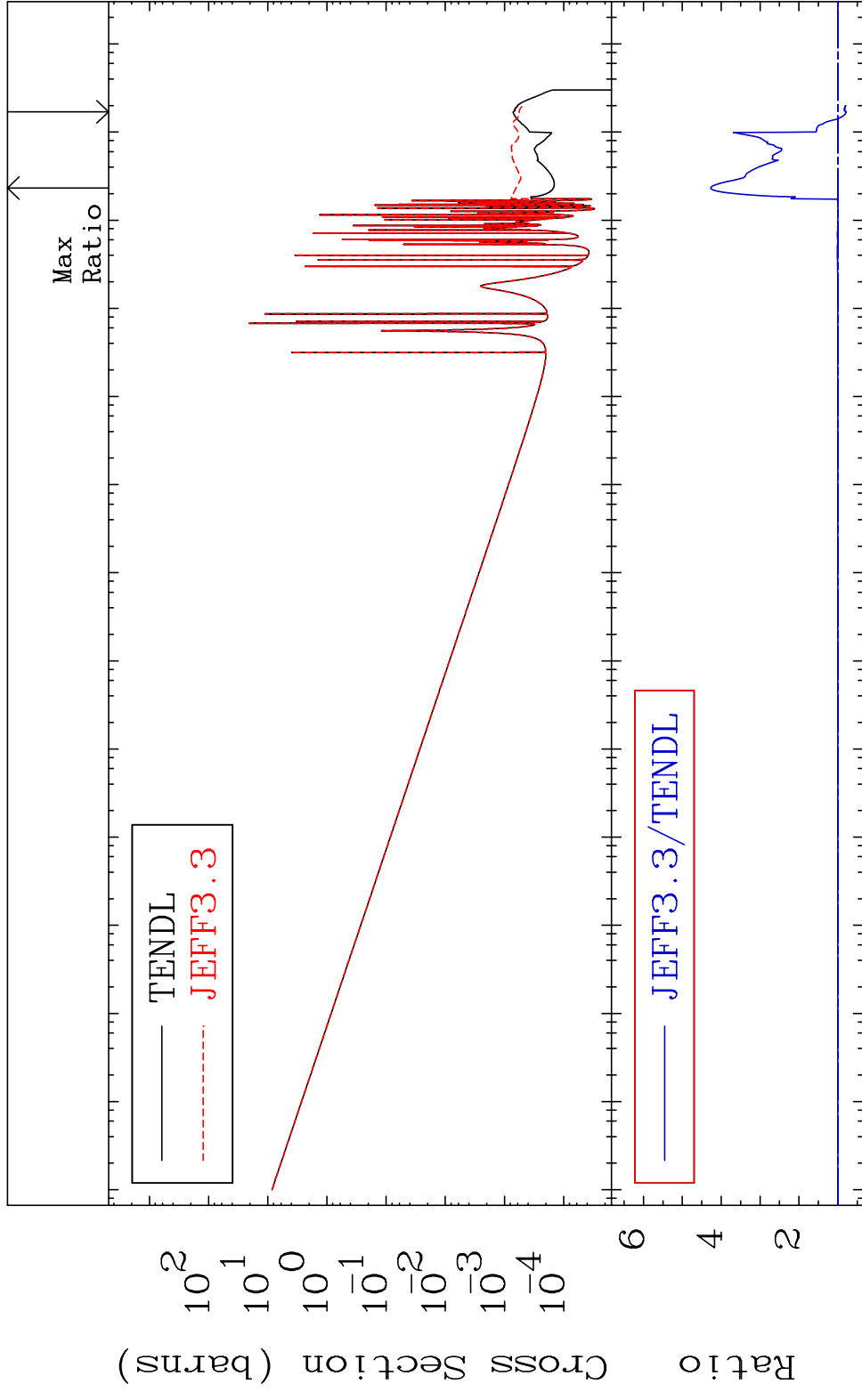
<sup>14</sup>Si-28

MAT 1425

(n,  $\gamma$ )

14-Si-28

Cross Section -21.94 To 327.0 %



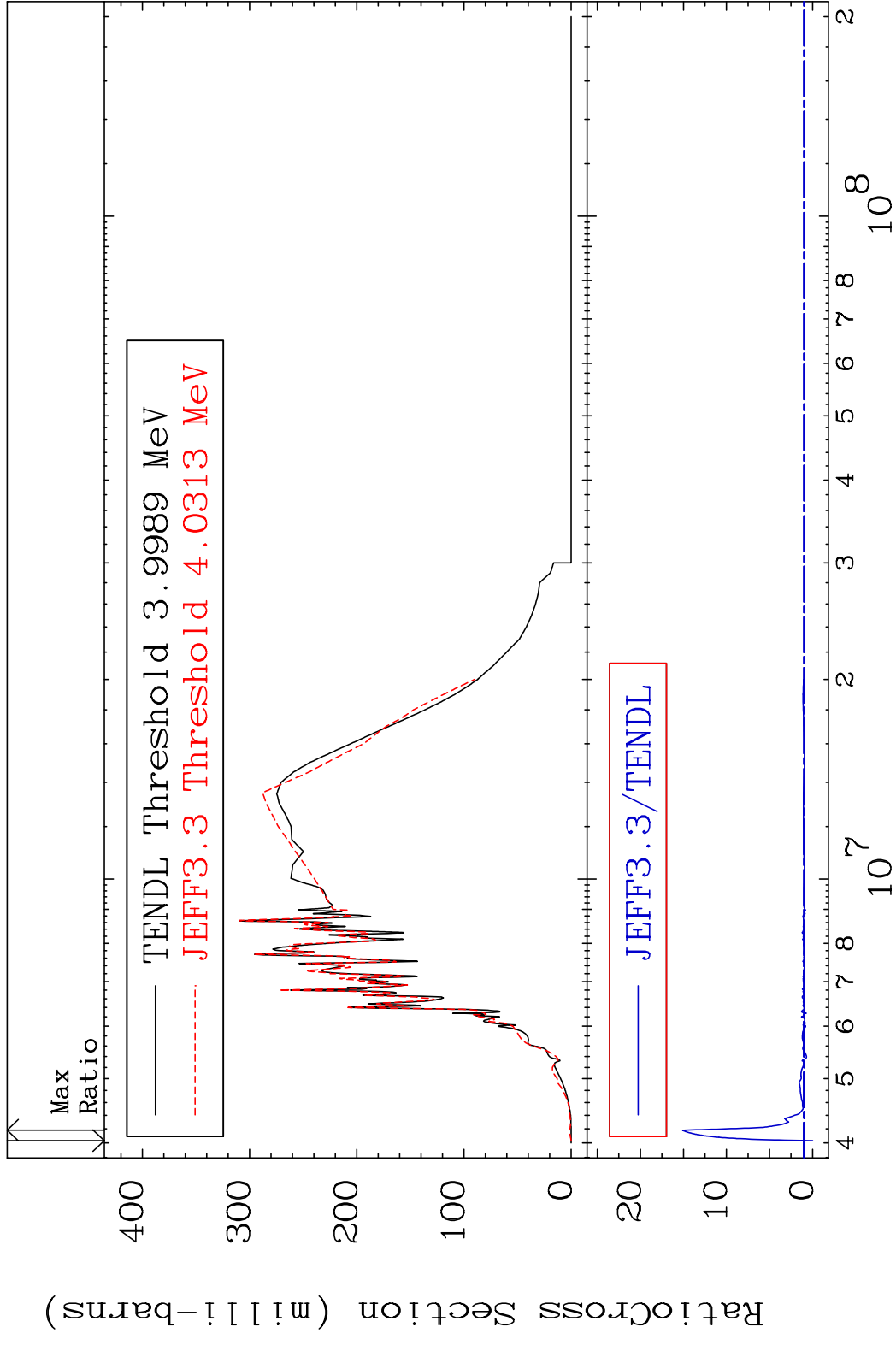
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

25

Incident Energy (eV)

14-Si-28

MAT 1425 (n,p) 14-Si-28  
 Cross Section -100.0 To 1412. %

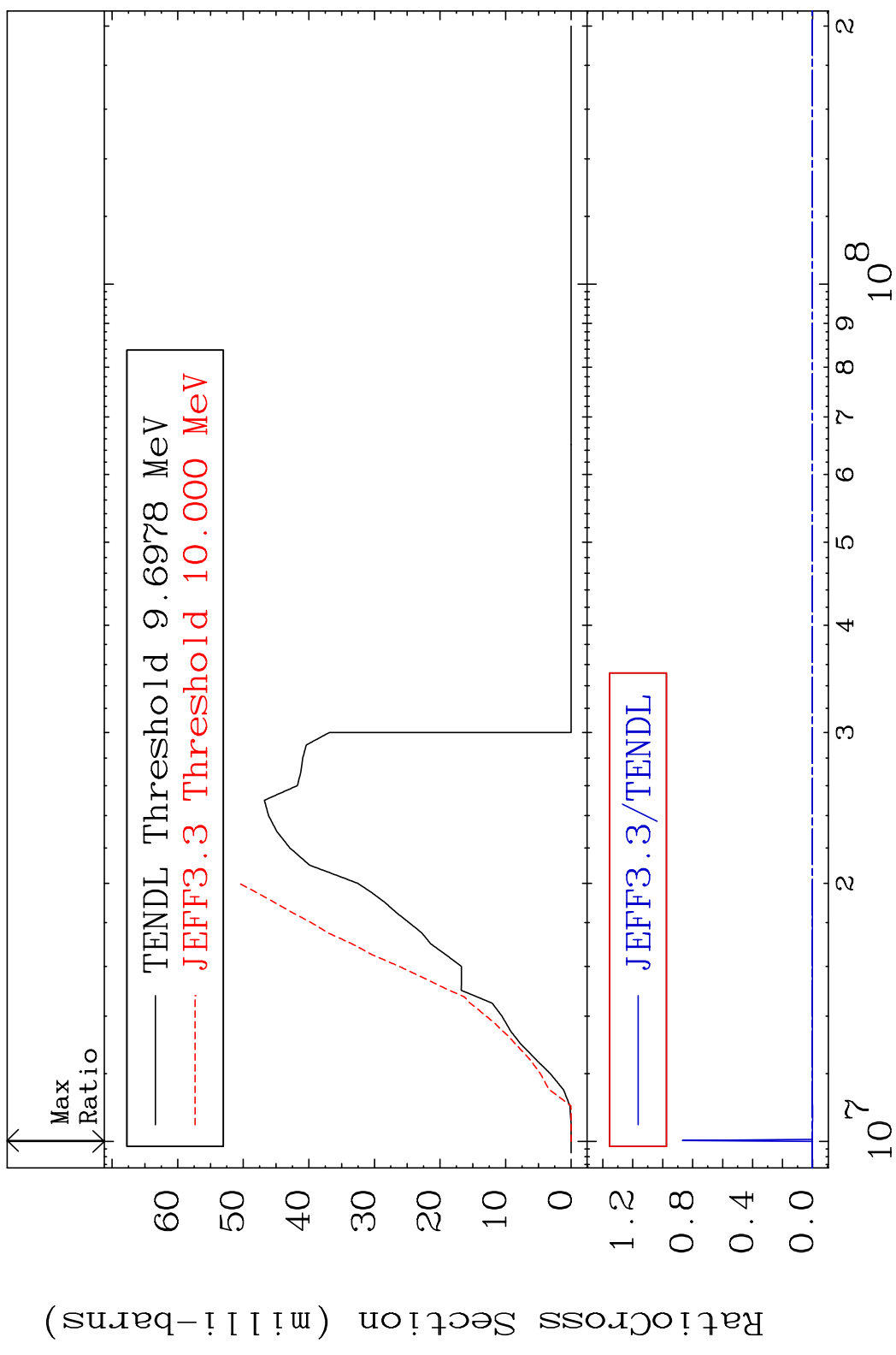


MAT 1425

(n,d)

14-Si-28

Cross Section -100.0 To 9999. %



27

Incident Energy (eV)

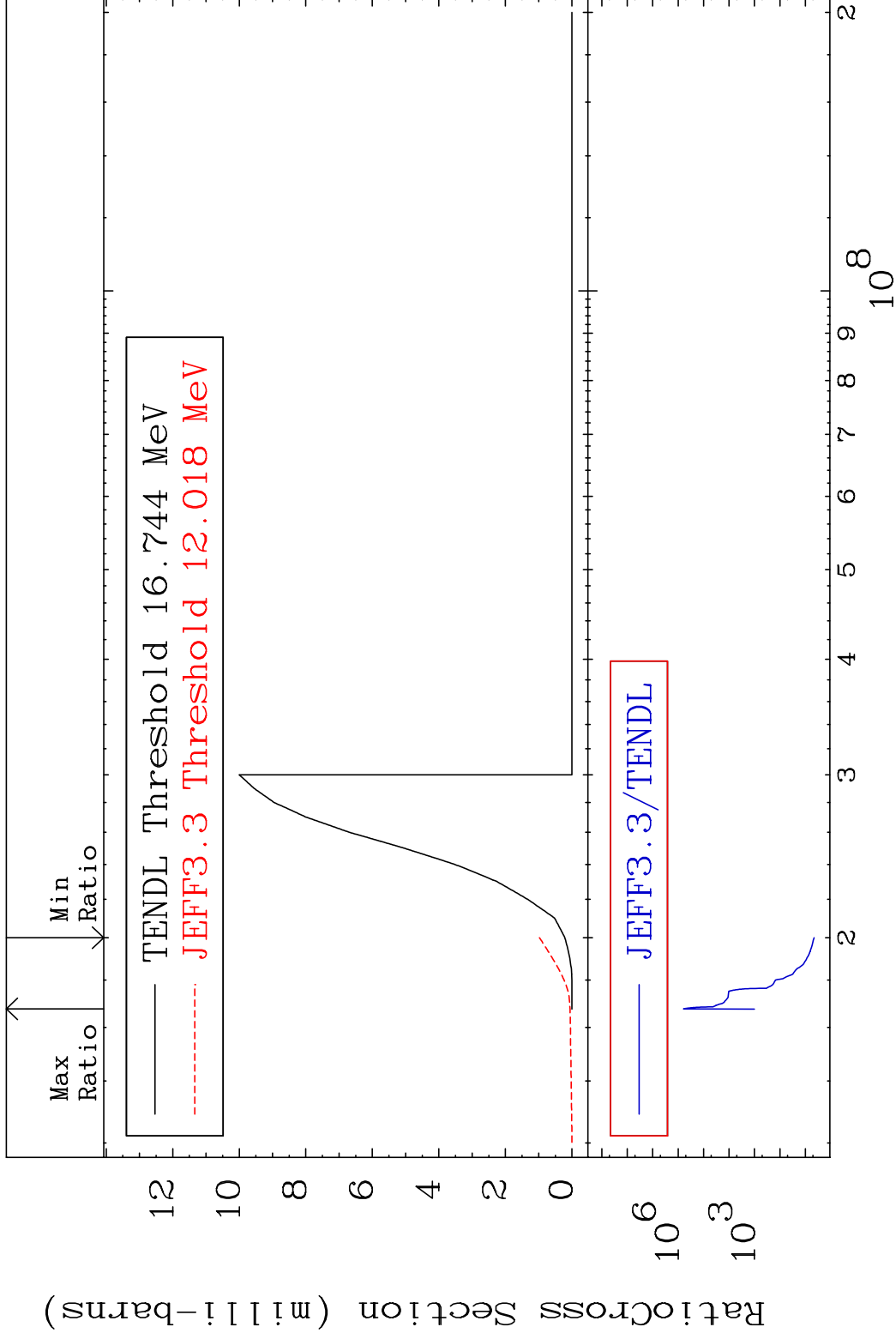
14-Si-28

MAT 1425

(n, t)

14-Si-28

Cross Section 356.2 To 9999. %



28

Incident Energy (eV)

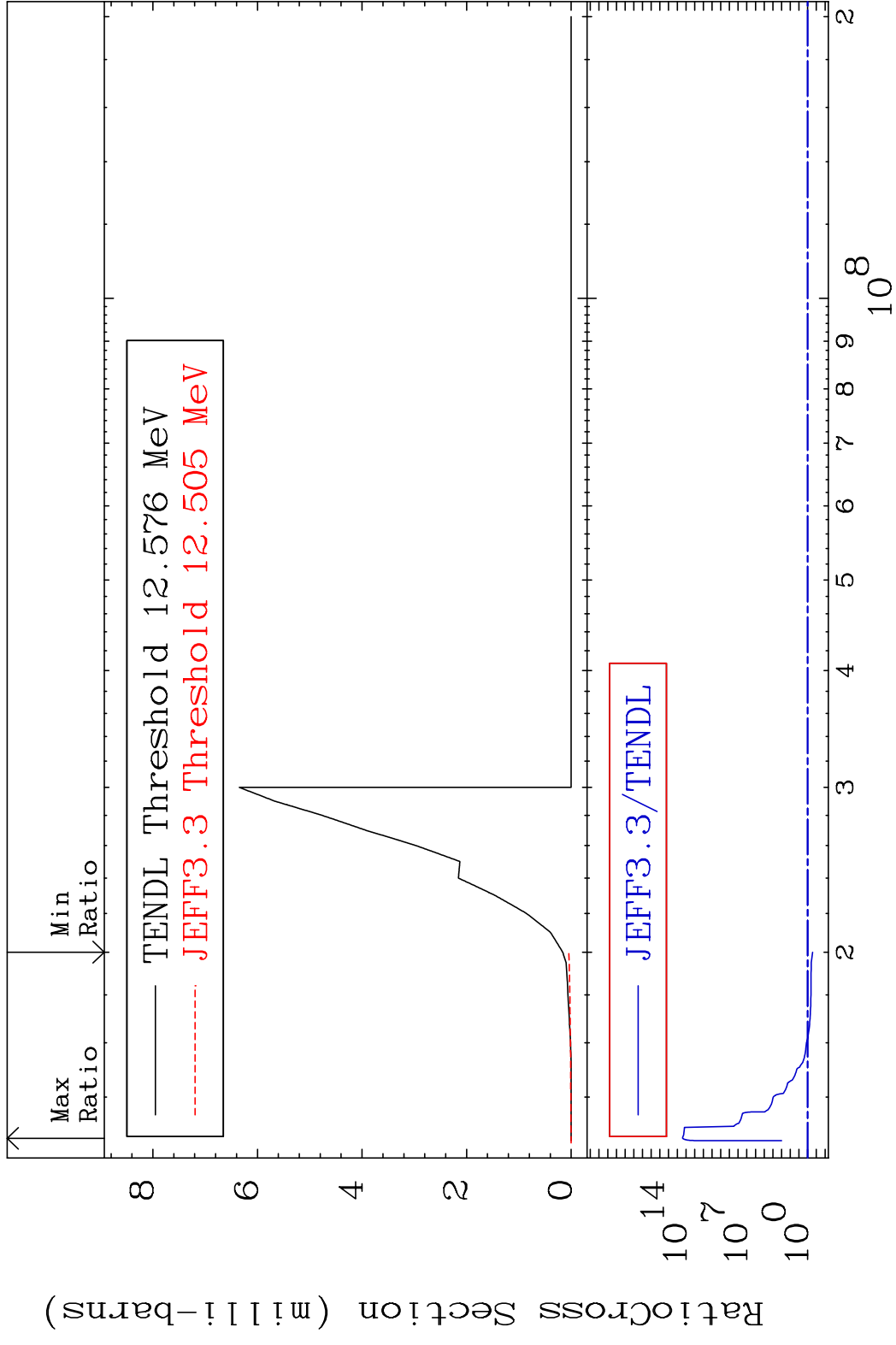
14-Si-28

MAT 1425

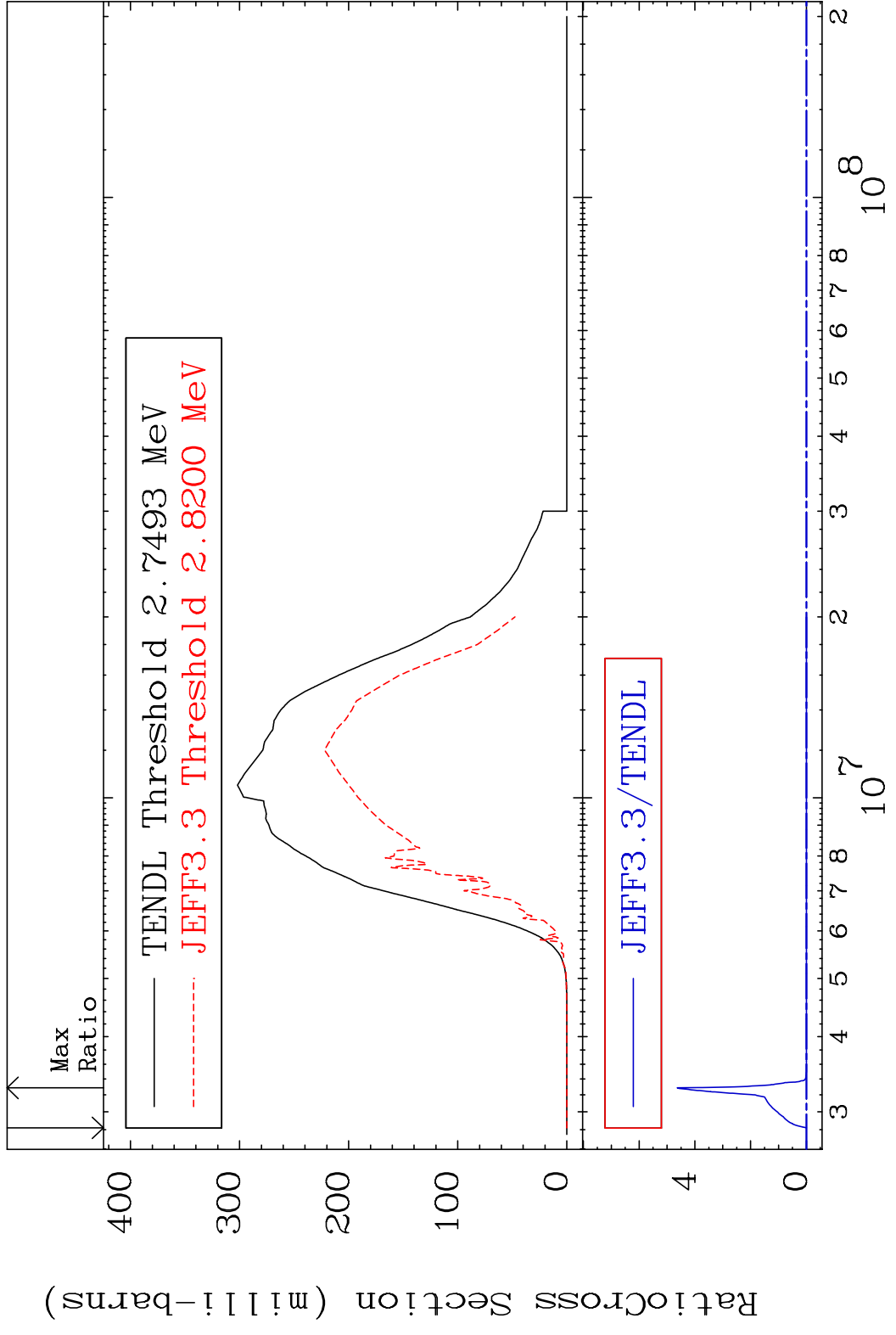
(n, He-3)

14-Si-28

Cross Section -72.63 To 9999. %

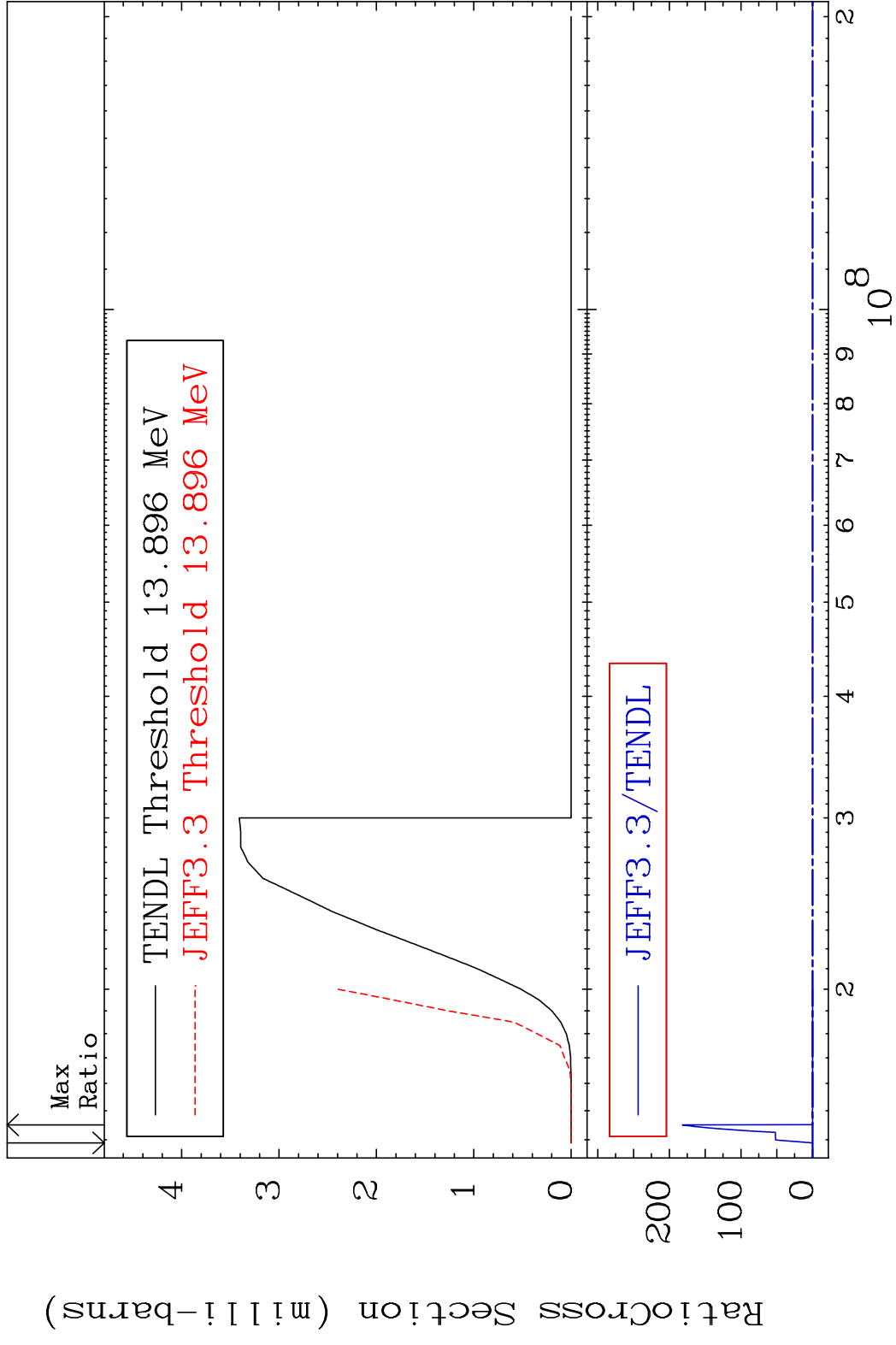


MAT 1425 (n,  $\alpha$ ) 14-Si-28  
 Cross Section -100.0 To 9999. %



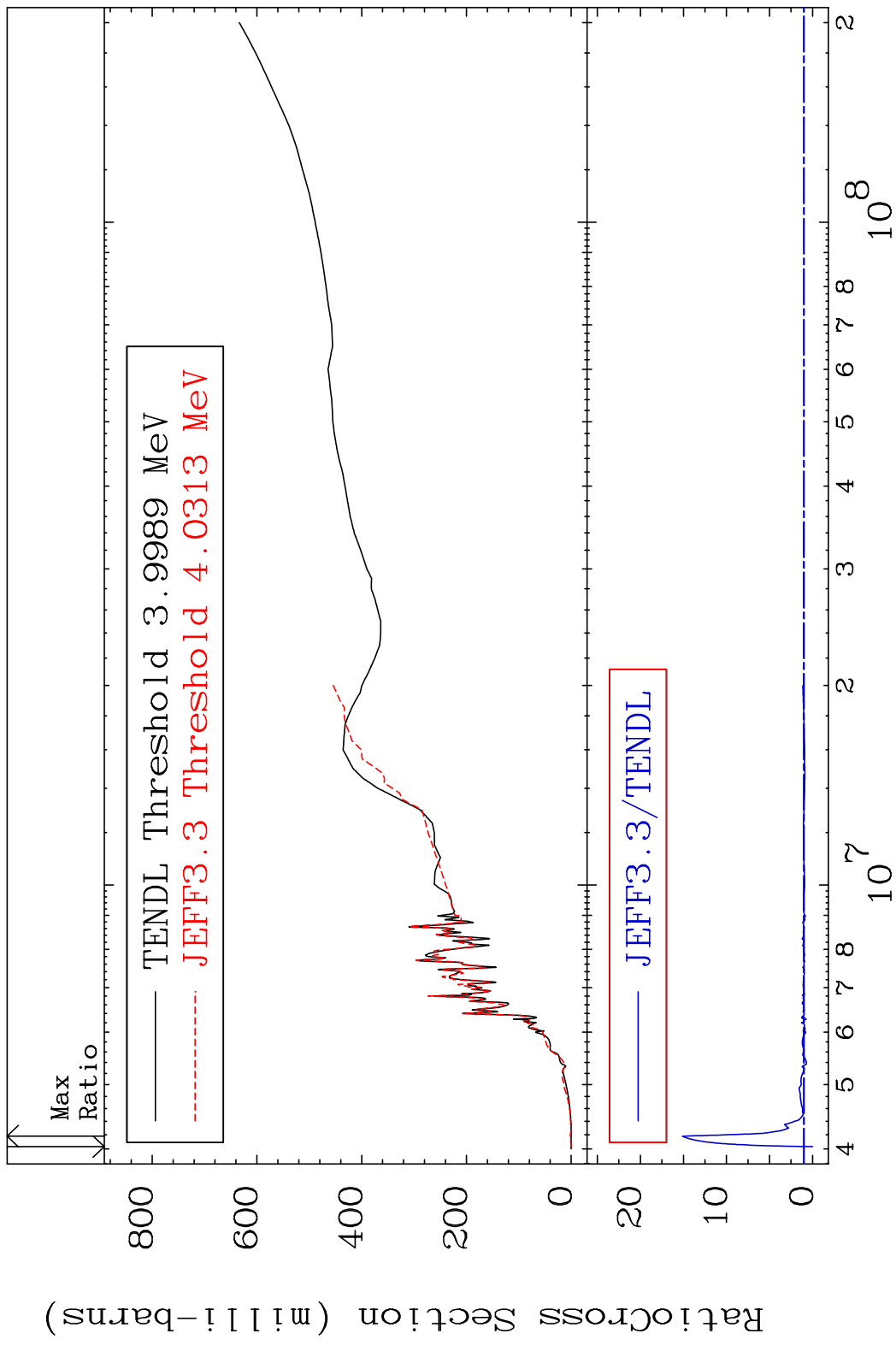
30 14-Si-28

MAT 1425 (n,2p) 14-Si-28  
 Cross Section -100.0 To 9999. %

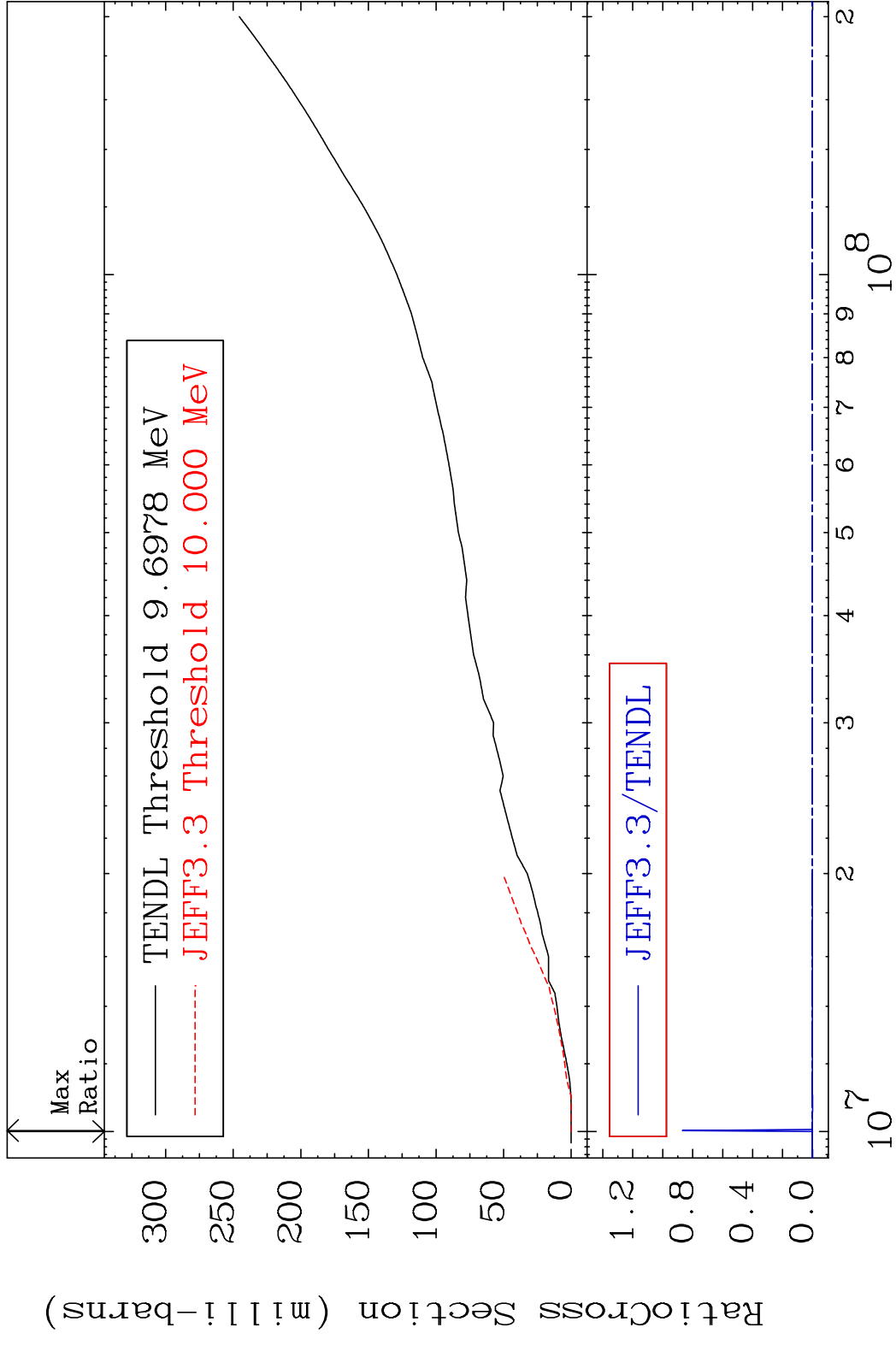




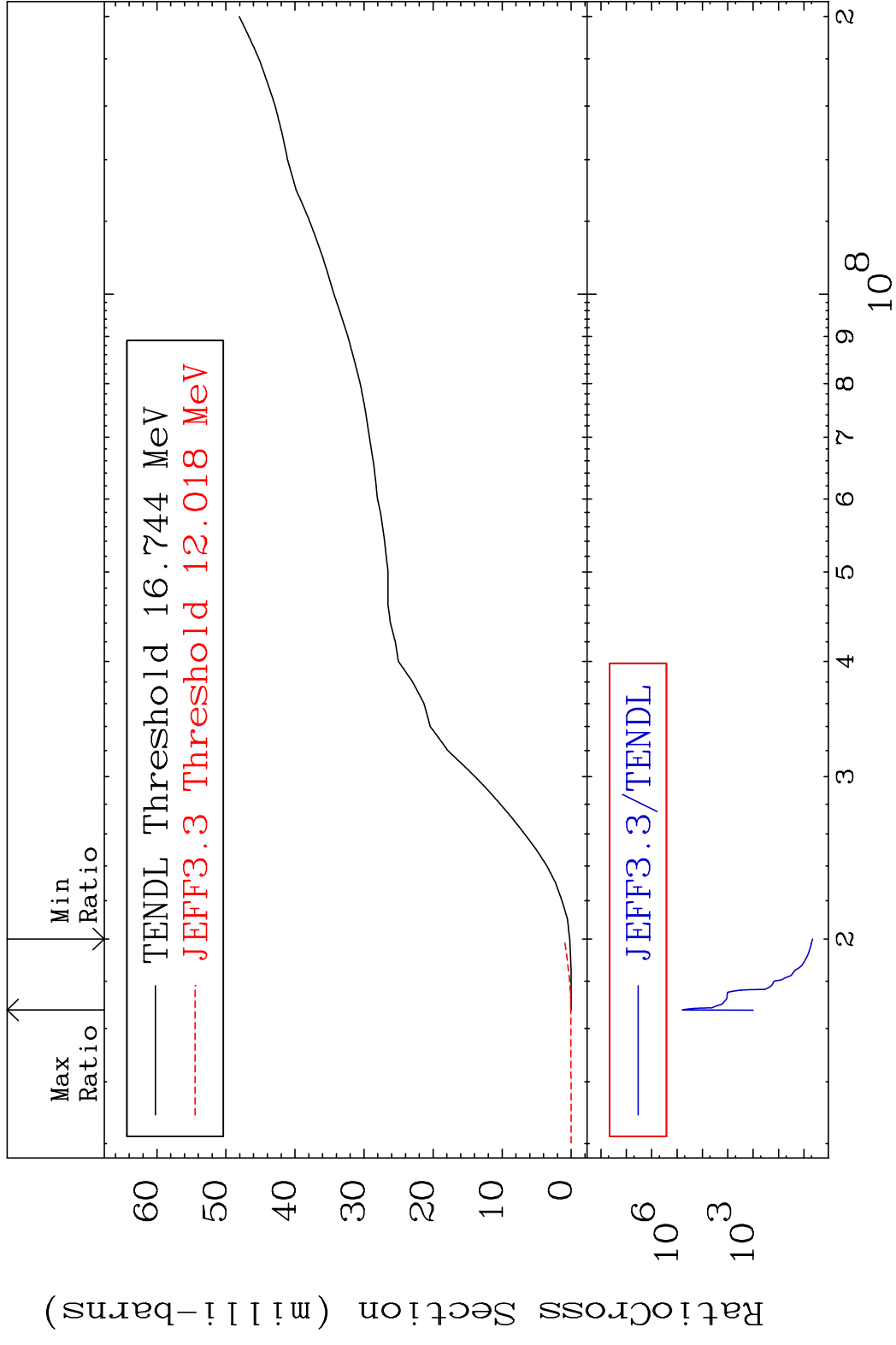
MAT 1425 Hydrogen Production 14-Si-28  
 Cross Section -100.0 To 1412. %



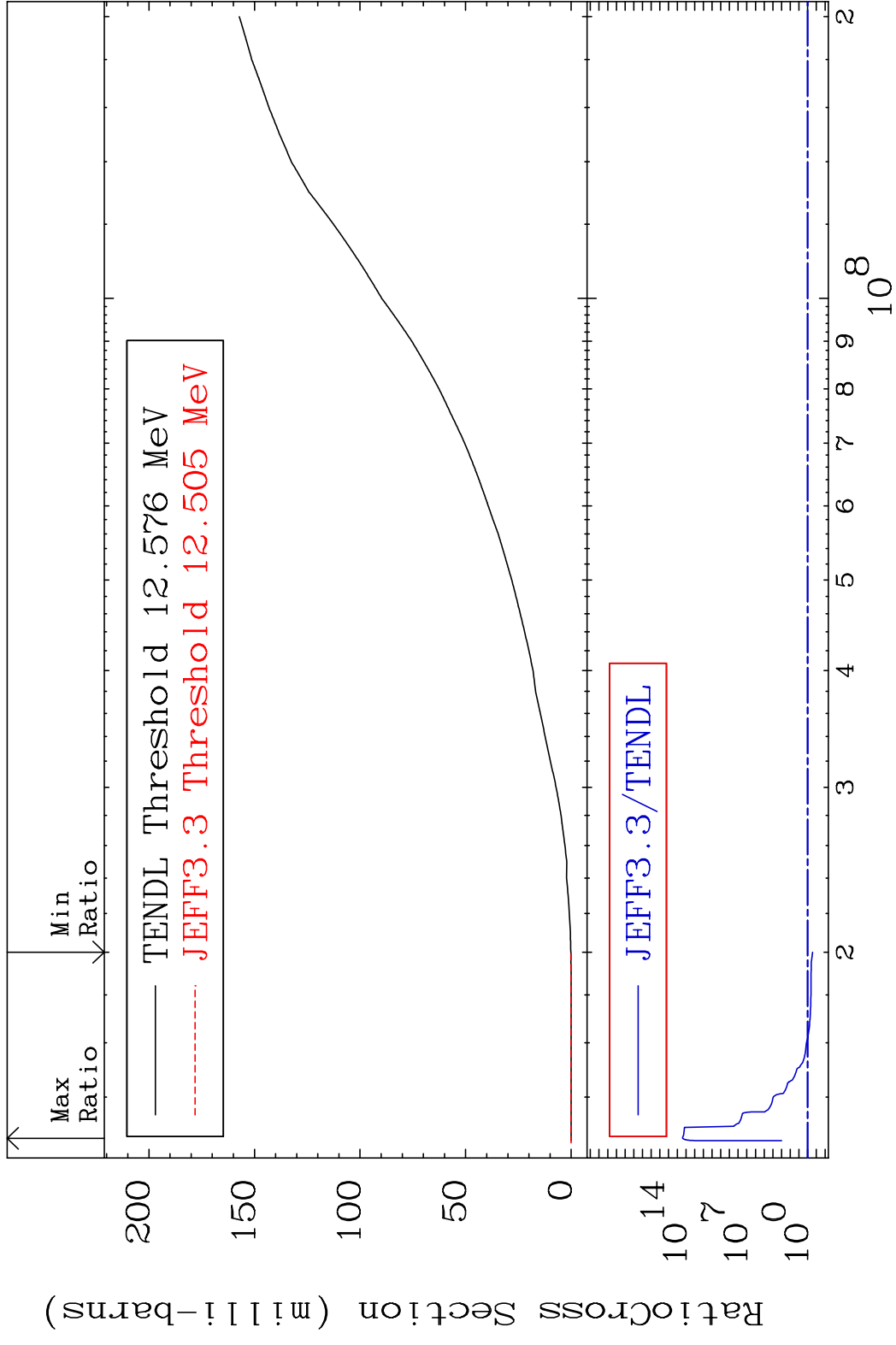
MAT 1425 Deuterium Production 14-Si-28  
 Cross Section -100.0 To 9999. %



33 Incident Energy (eV) 14-Si-28



Cross Section -72.63 To 9999. %

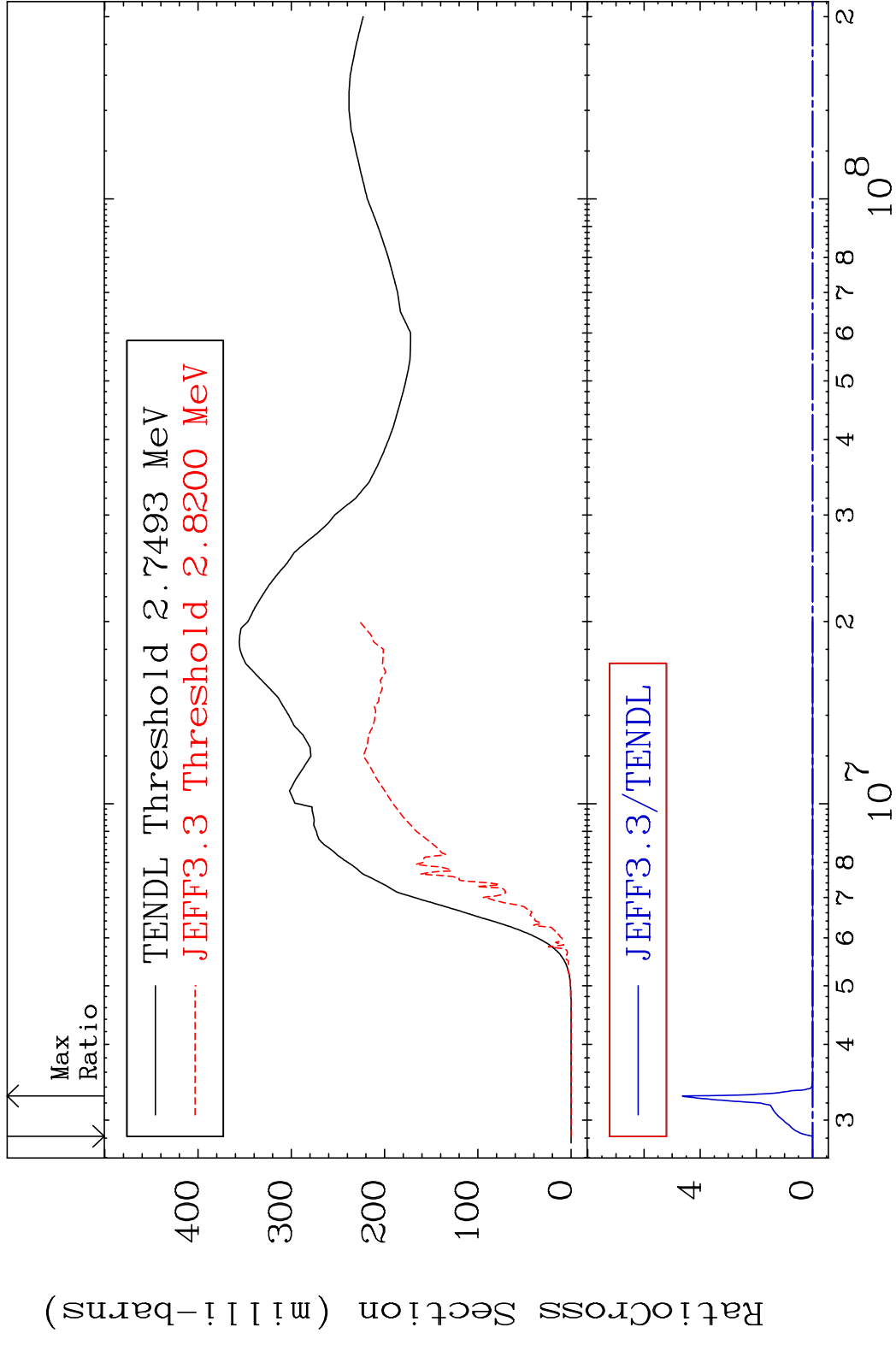


MAT 1425

He-4 Production

14-Si-28

Cross Section -100.0 To 9999. %

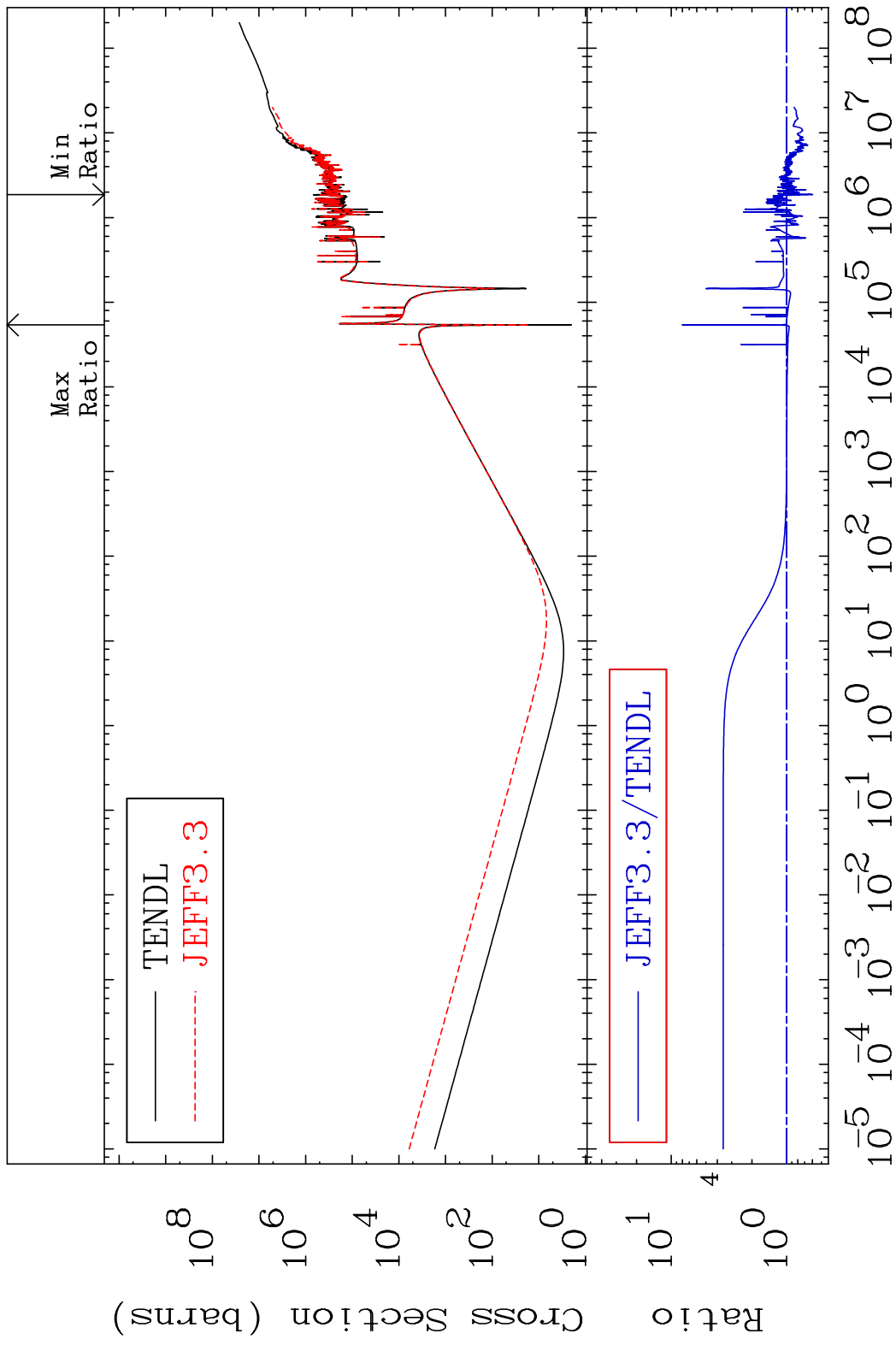


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Incident Energy (eV)

14-Si-28

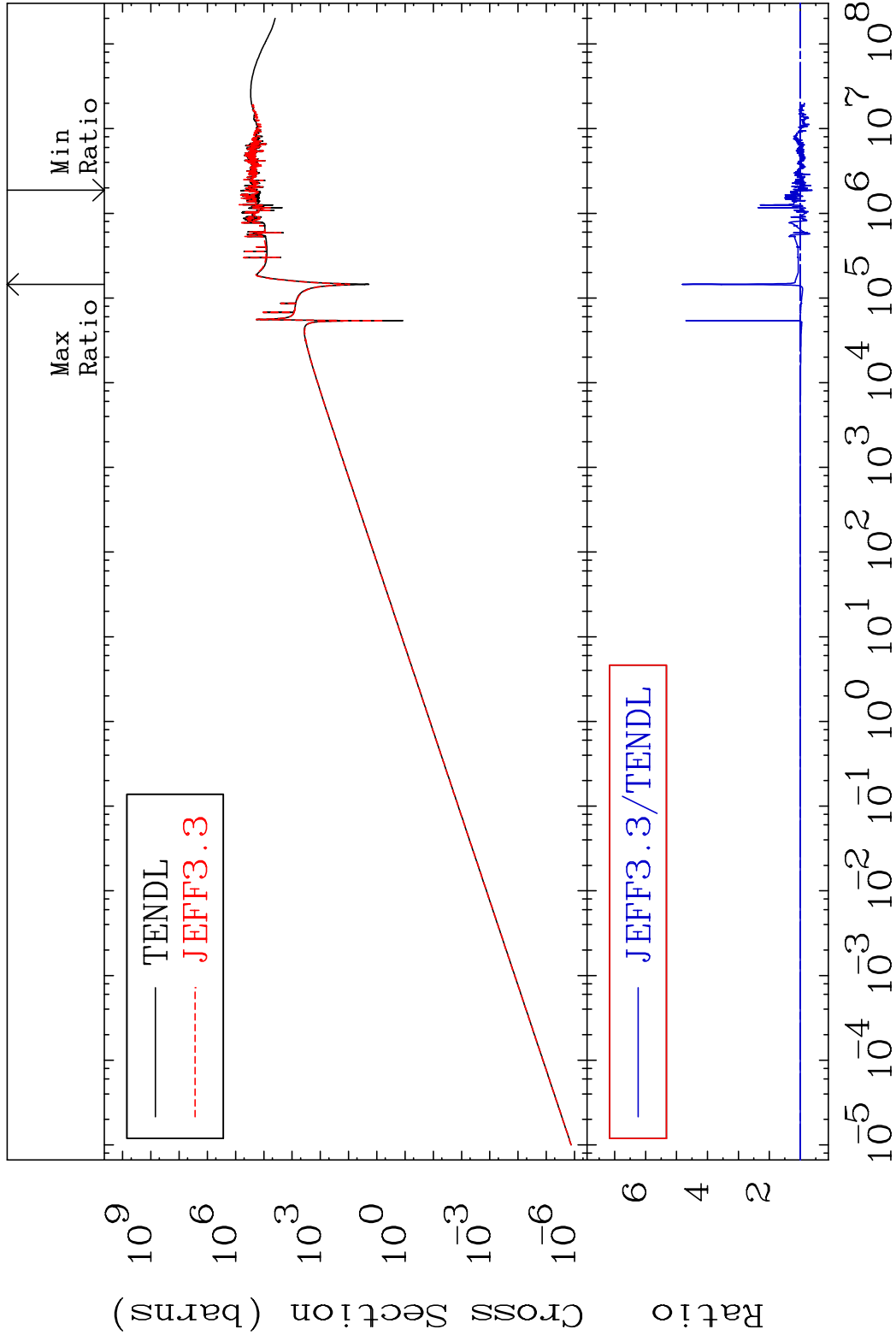
MAT 1425 Kerma total (eV-barns) 14-Si-28  
 Cross Section -40.33 To 701.1 %



MAT 1425

Kerma elastic  
Cross Section

14-Si-28  
-39.77 To 381.3 %

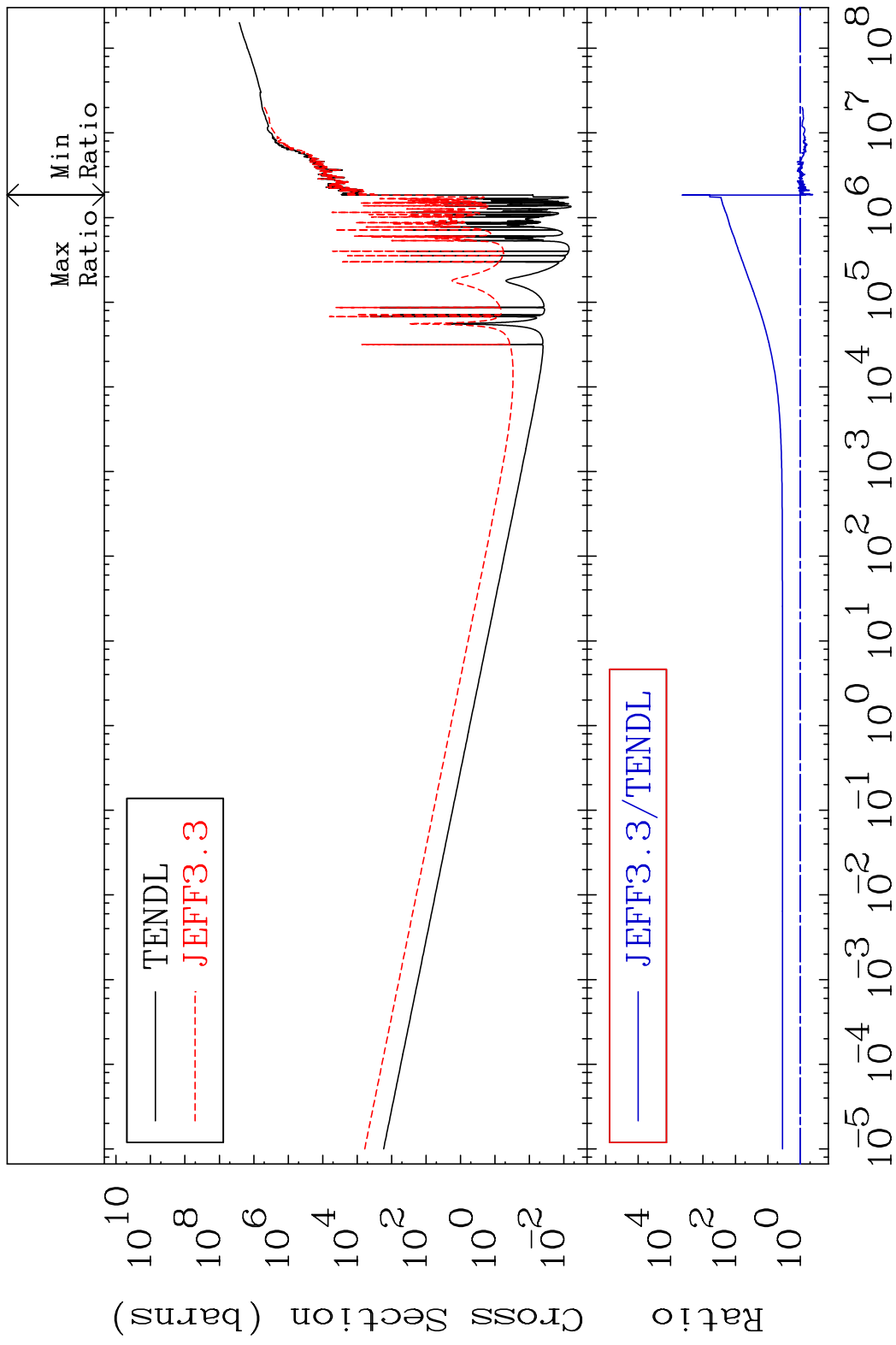


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Incident Energy (eV)

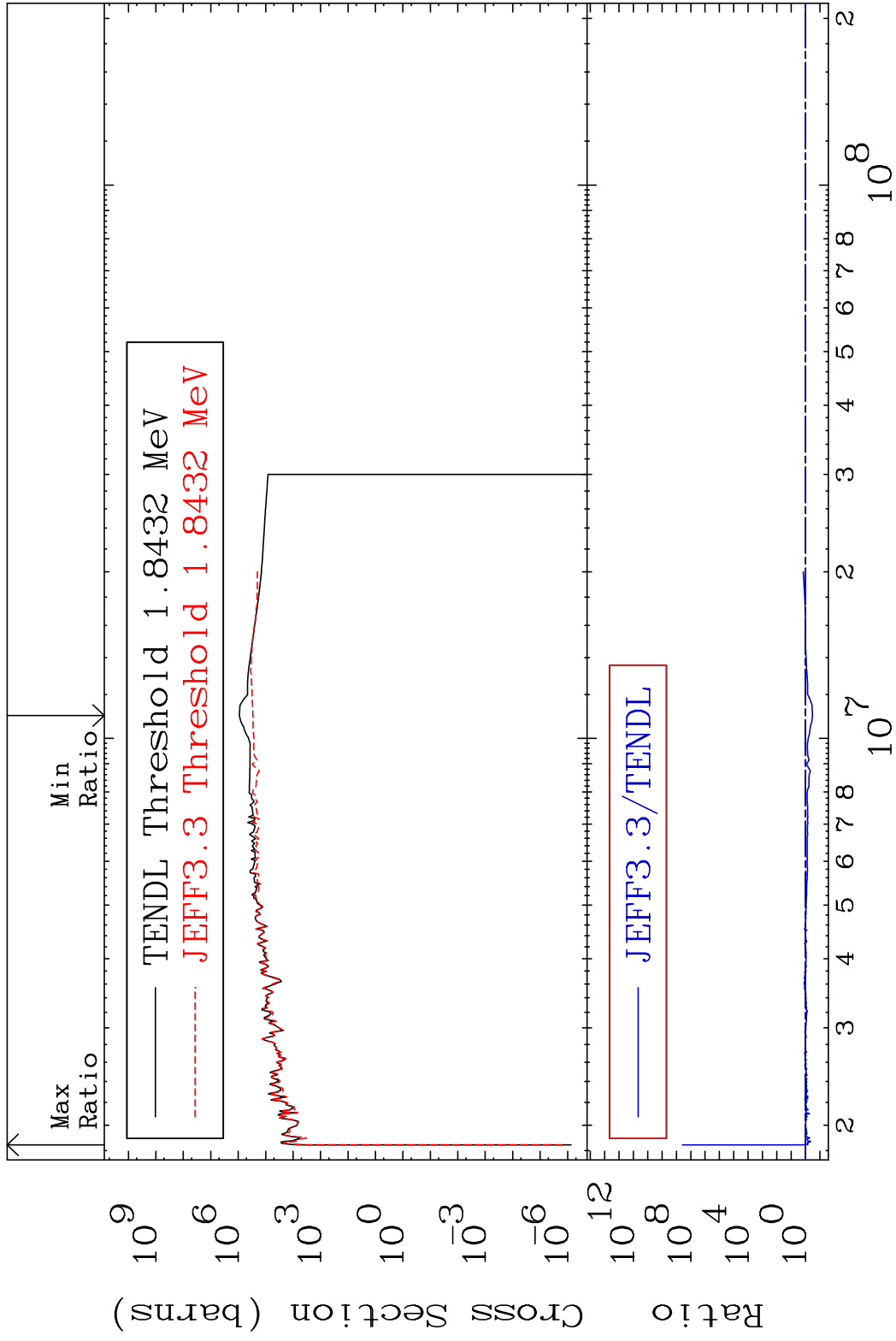
14-Si-28

MAT 1425 Kerma non-elastic (all but mt2) 14-Si-28  
 Cross Section -58.28 To 9999. %

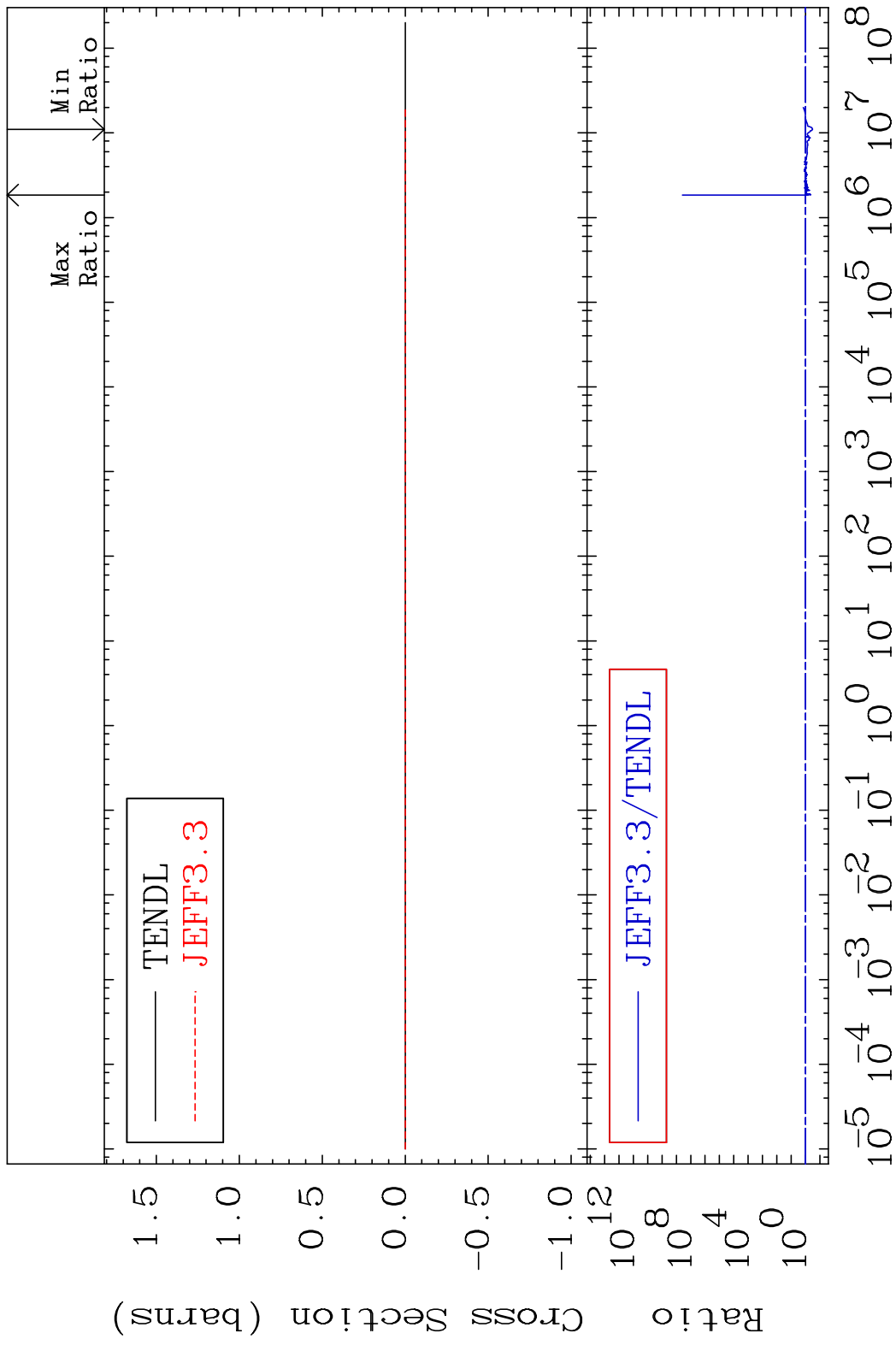




MAT 1425 Kerma inelastic (mt51-91) 14-Si-28  
 Cross Section -68.00 To 9999. %



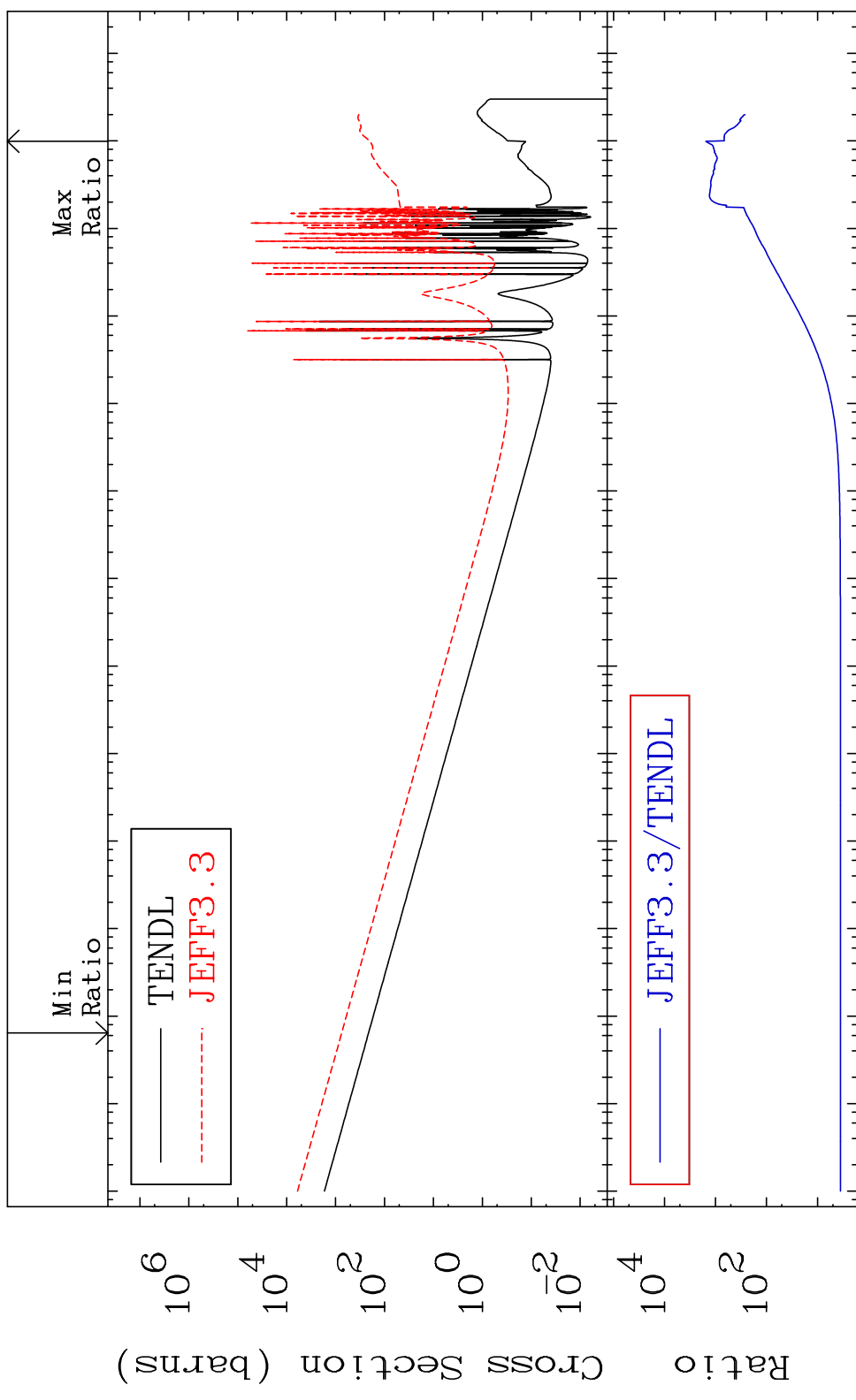
MAT 1425 Kerma fission (mt18 or mt19-20-21-38) 14-Si-28  
 Cross Section -68.00 To 9999. %



MAT 1425

Kerma capture (mt102) 14-Si-28

Cross Section 254.8 To 9999. %



42

Incident Energy (eV)

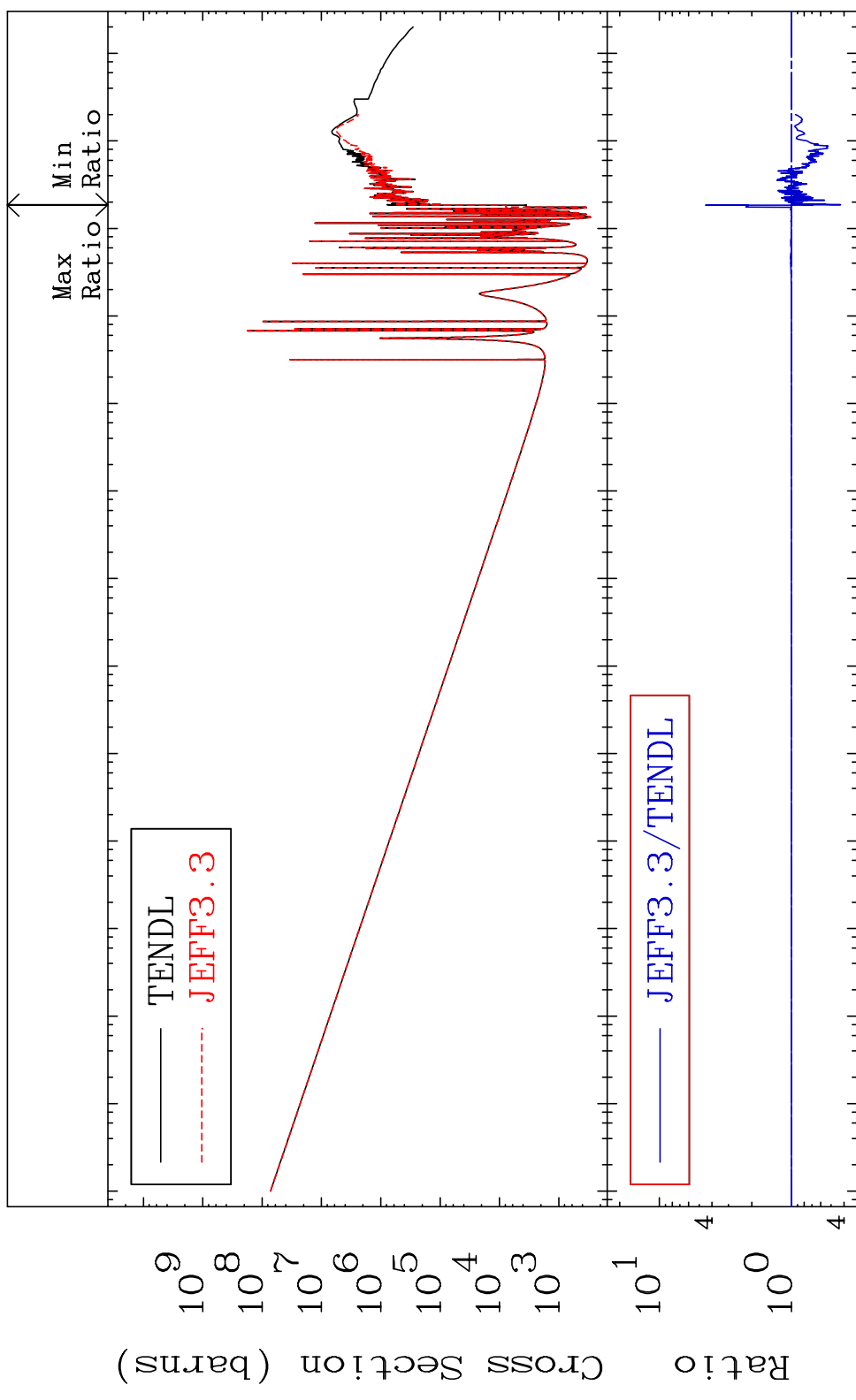
14-Si-28

MAT 1425

Total photon (eV-barns)

14-Si-28

Cross Section -57.47 To 345.5 %

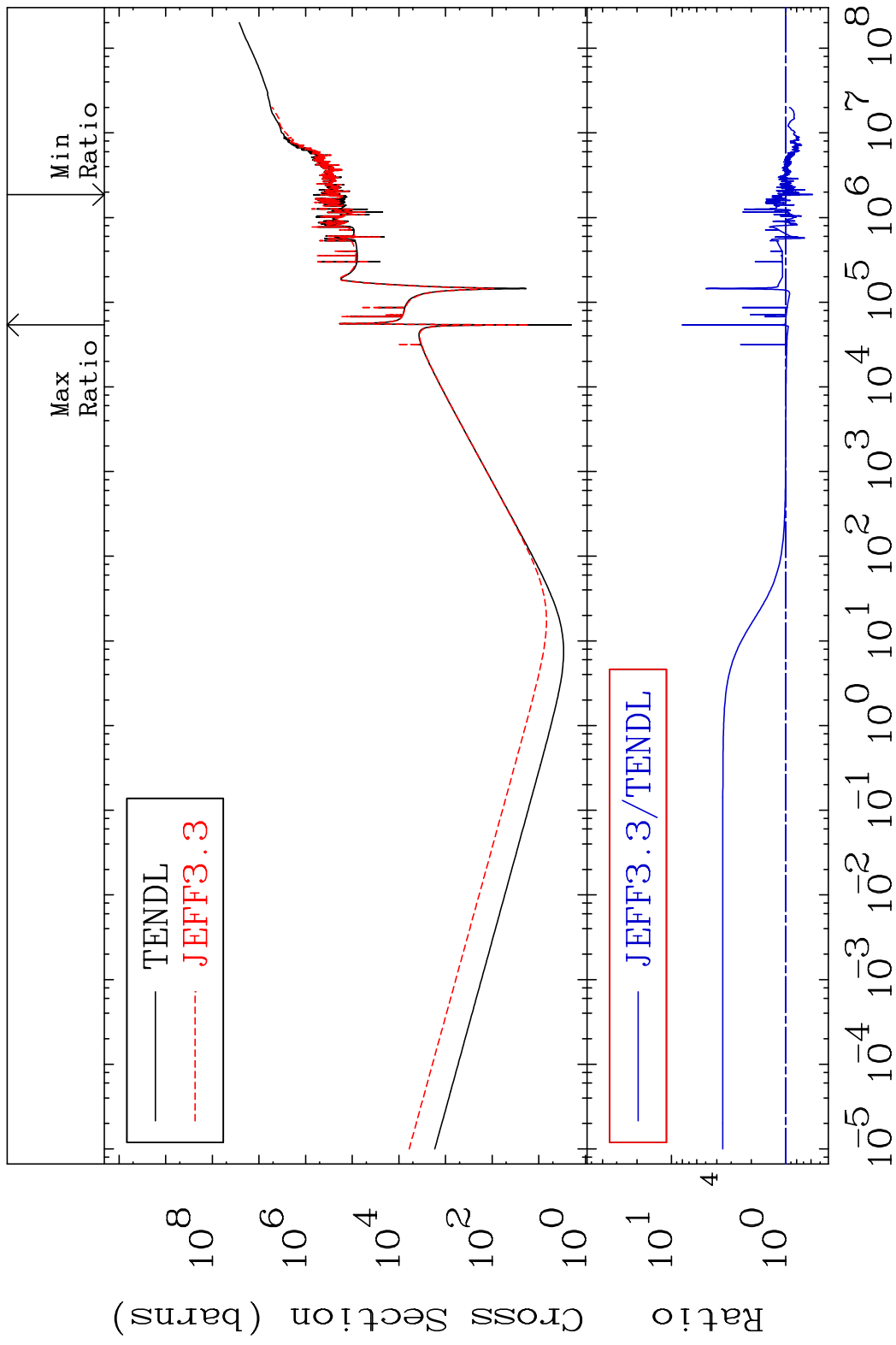


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Incident Energy (eV)

14-Si-28

MAT 1425 Total kinematic kerma (high limit) 14-Si-28  
 Cross Section -41.82 To 701.1 %

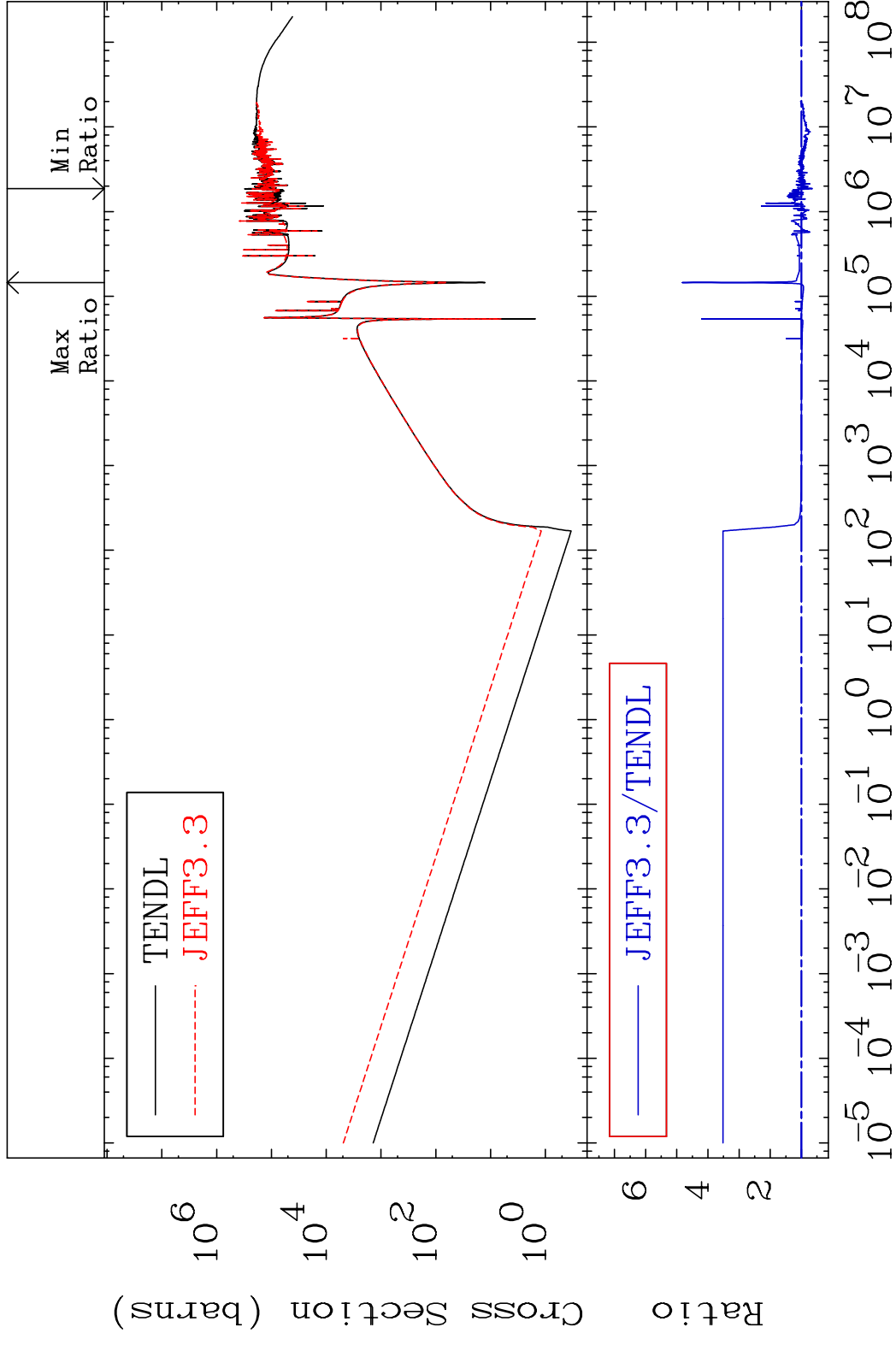


MAT 1425

Dpa total (eV-barns)

14-Si-28

Cross Section -35.75 To 382.1 %



45

Incident Energy (eV)

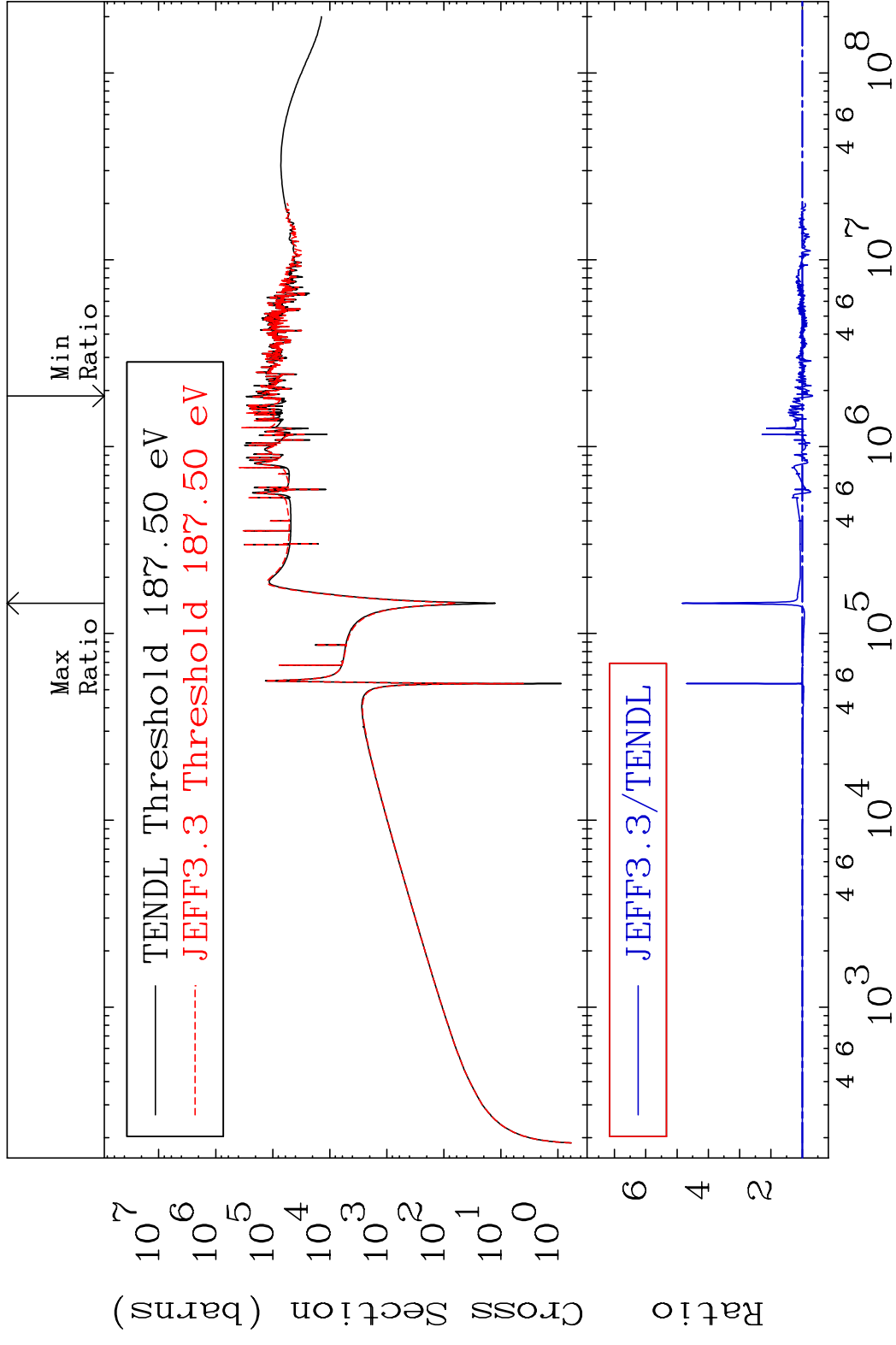
14-Si-28

MAT 1425

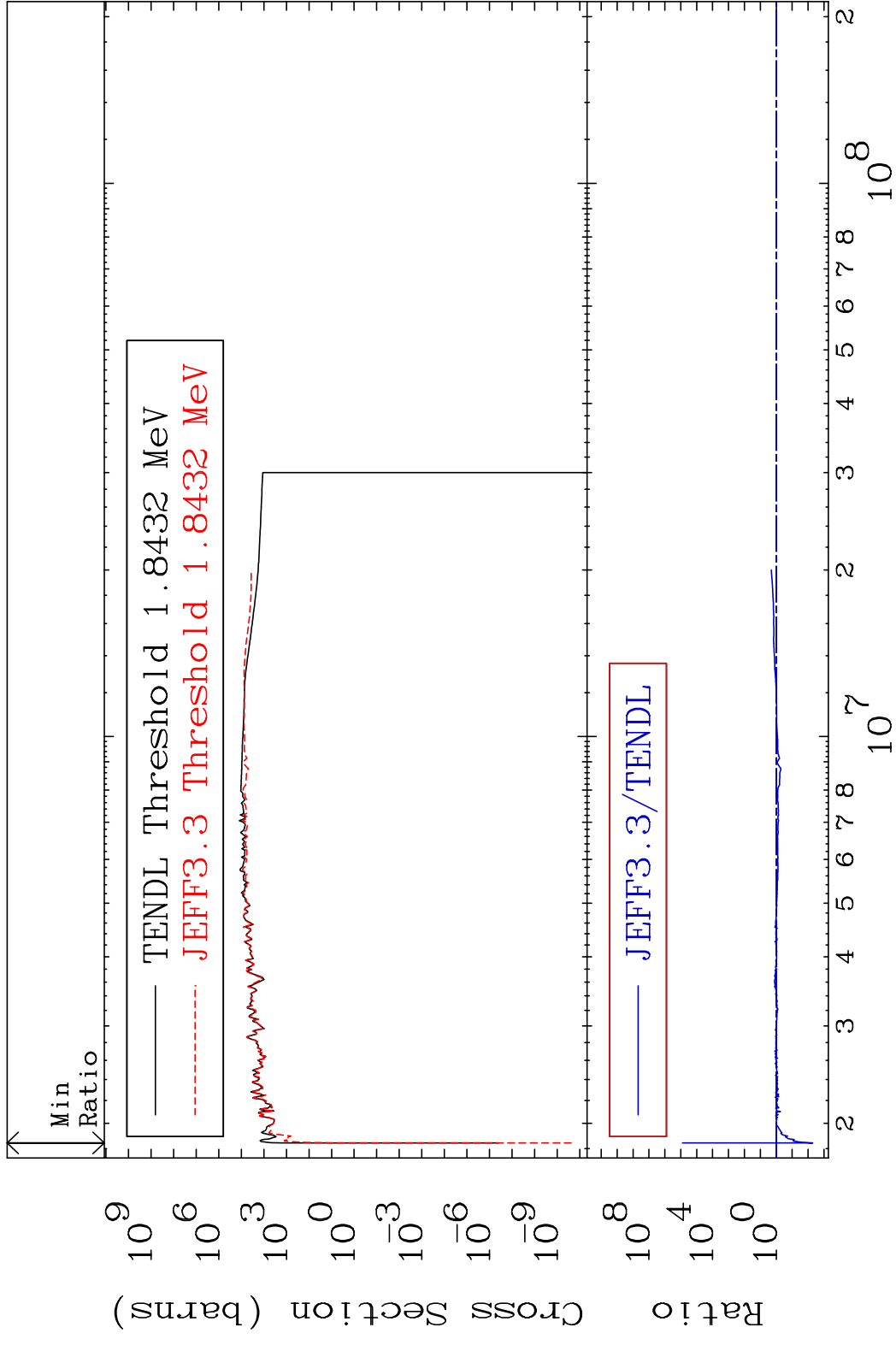
Dpa elastic (mt2)

14-Si-28

Cross Section -32.93 To 383.0 %



MAT 1425 Dpa inelastic (mt51-91) 14-Si-28  
 Cross Section -99.48 To 9999. %





MAT 1425 Dpa disappearance (mt102 -120) 14-Si-28  
 Cross Section -40.29 To 2205. %

