

Program Complot  
(Version 2021-1)

by

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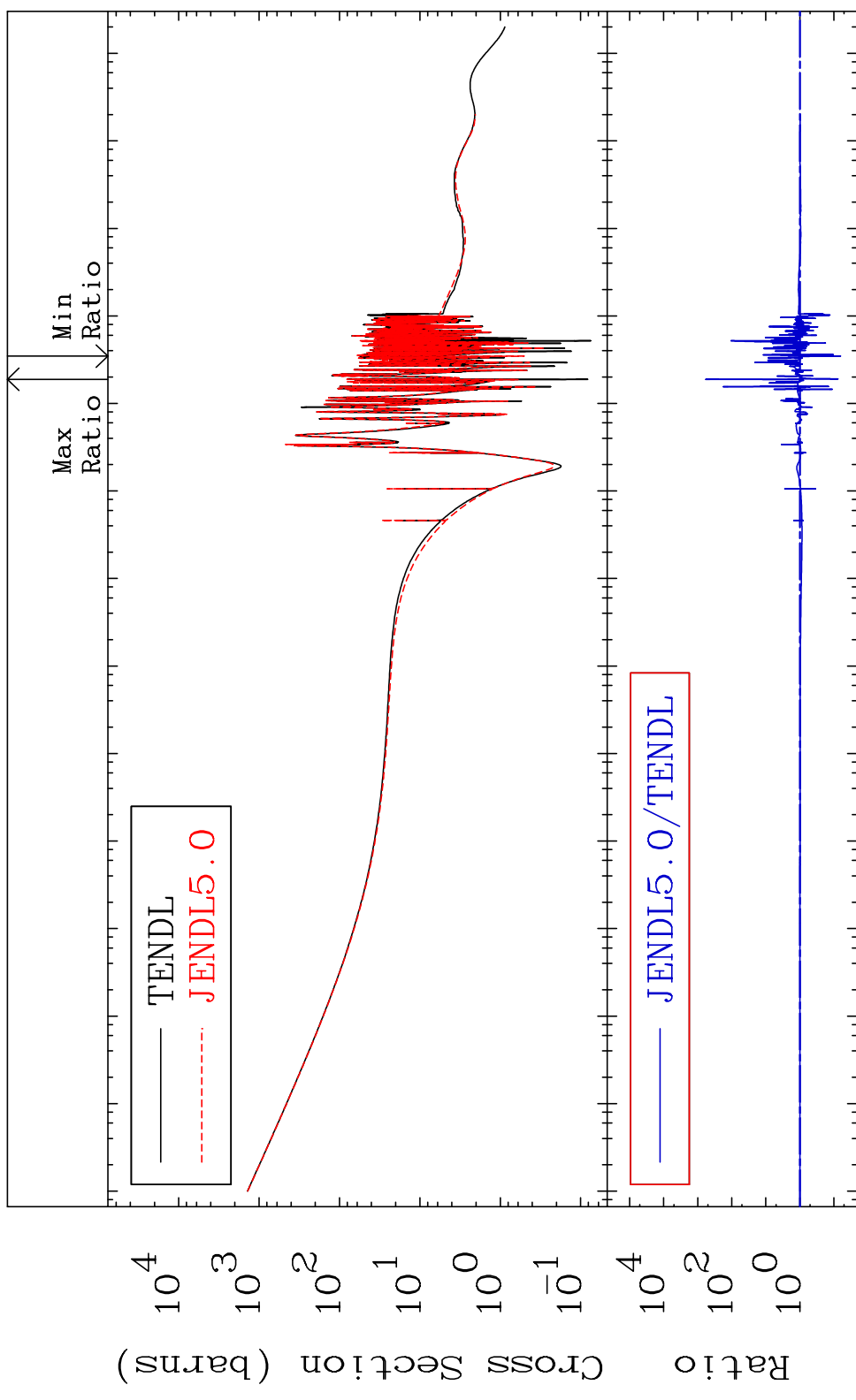
Press Mouse Button to Start

MAT 2125

Total

21-Sc-45

Cross Section -93.60 To 9999. %



1

Incident Energy (eV)

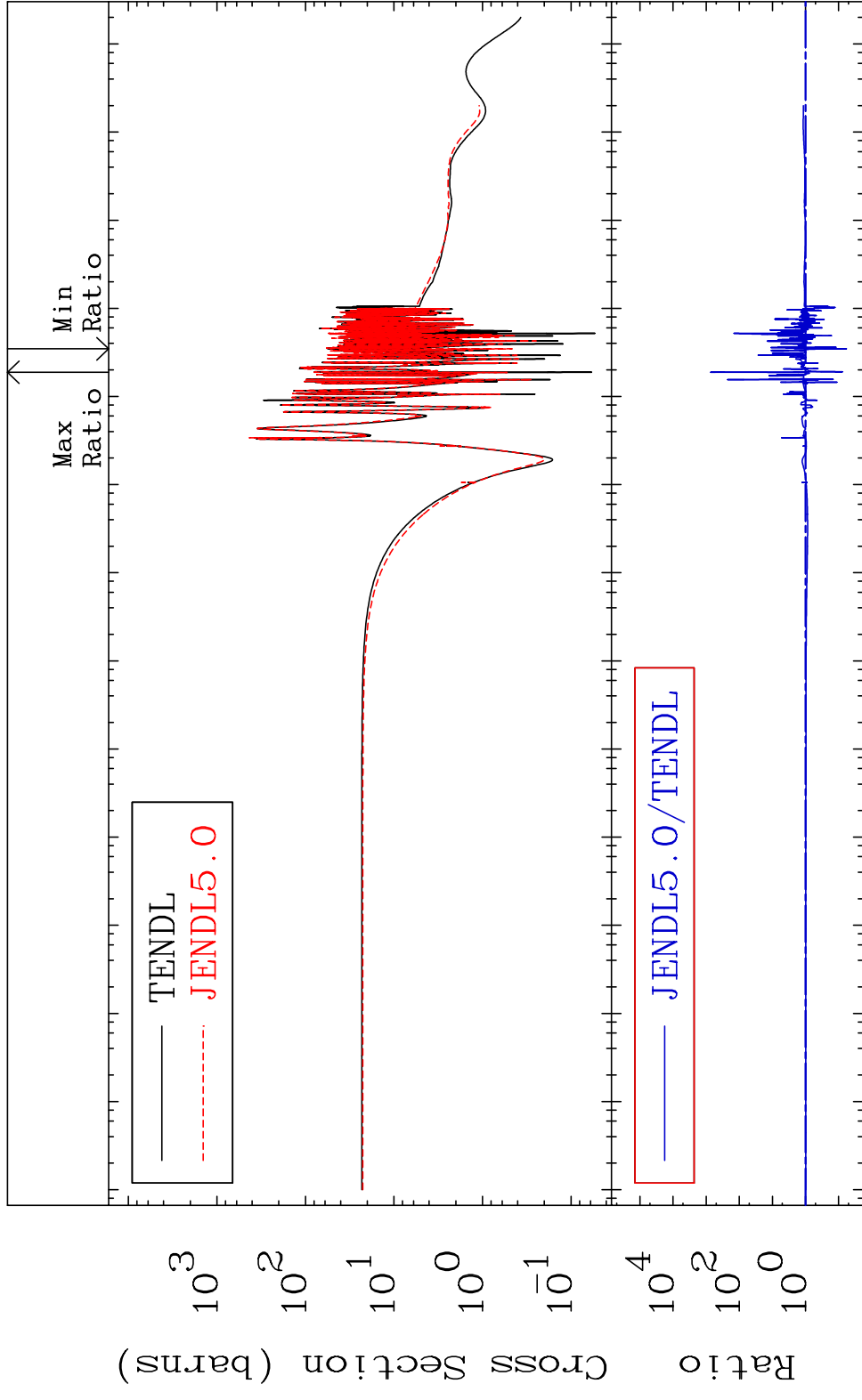
21-Sc-45

MAT 2125

Elastic

21-Sc-45

Cross Section -94.15 To 9999. %



2

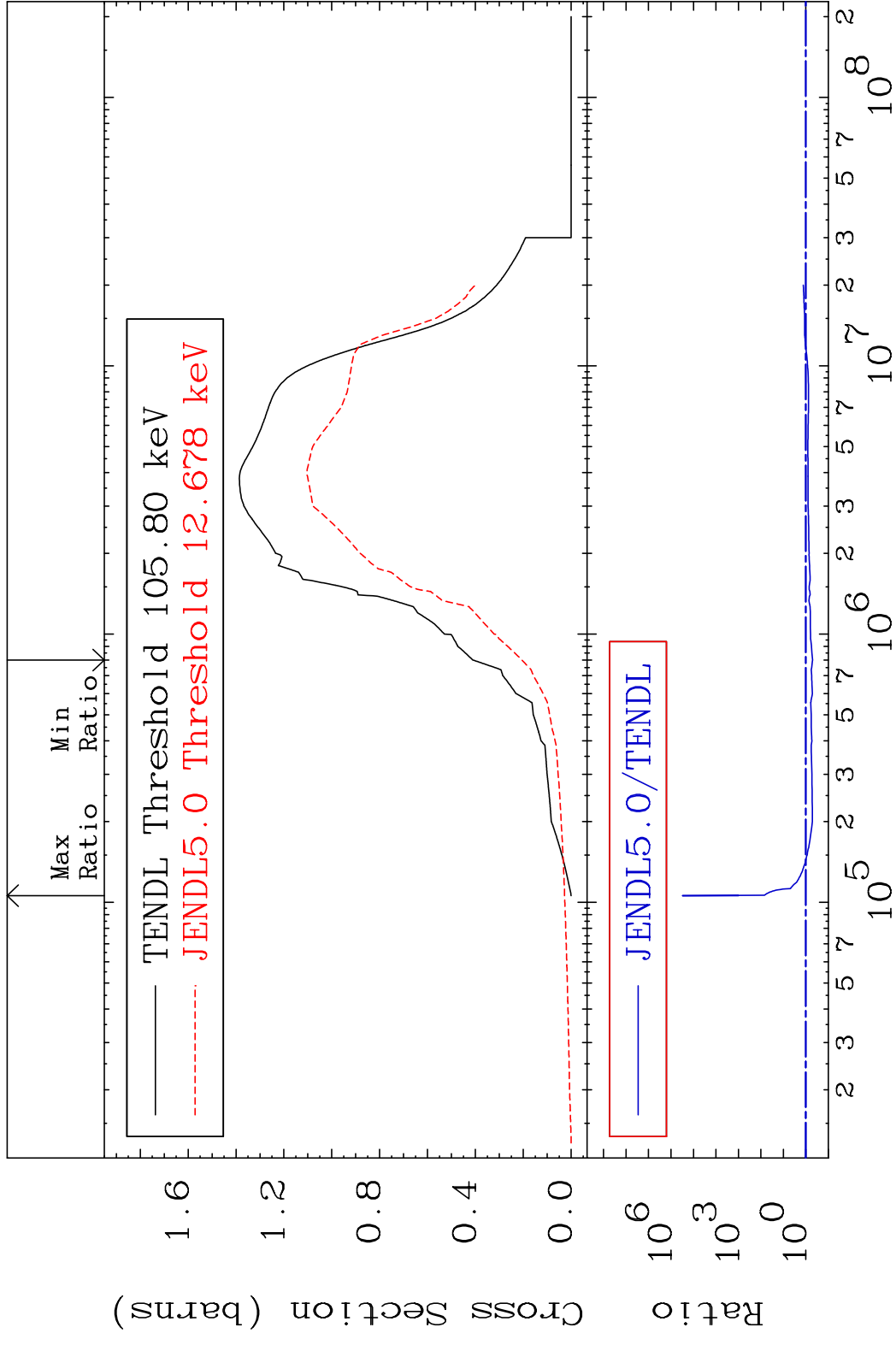
Incident Energy (eV)

21-Sc-45

MAT 2125

Inelastic 21-Sc-45

Cross Section -49.88 To 9999. %

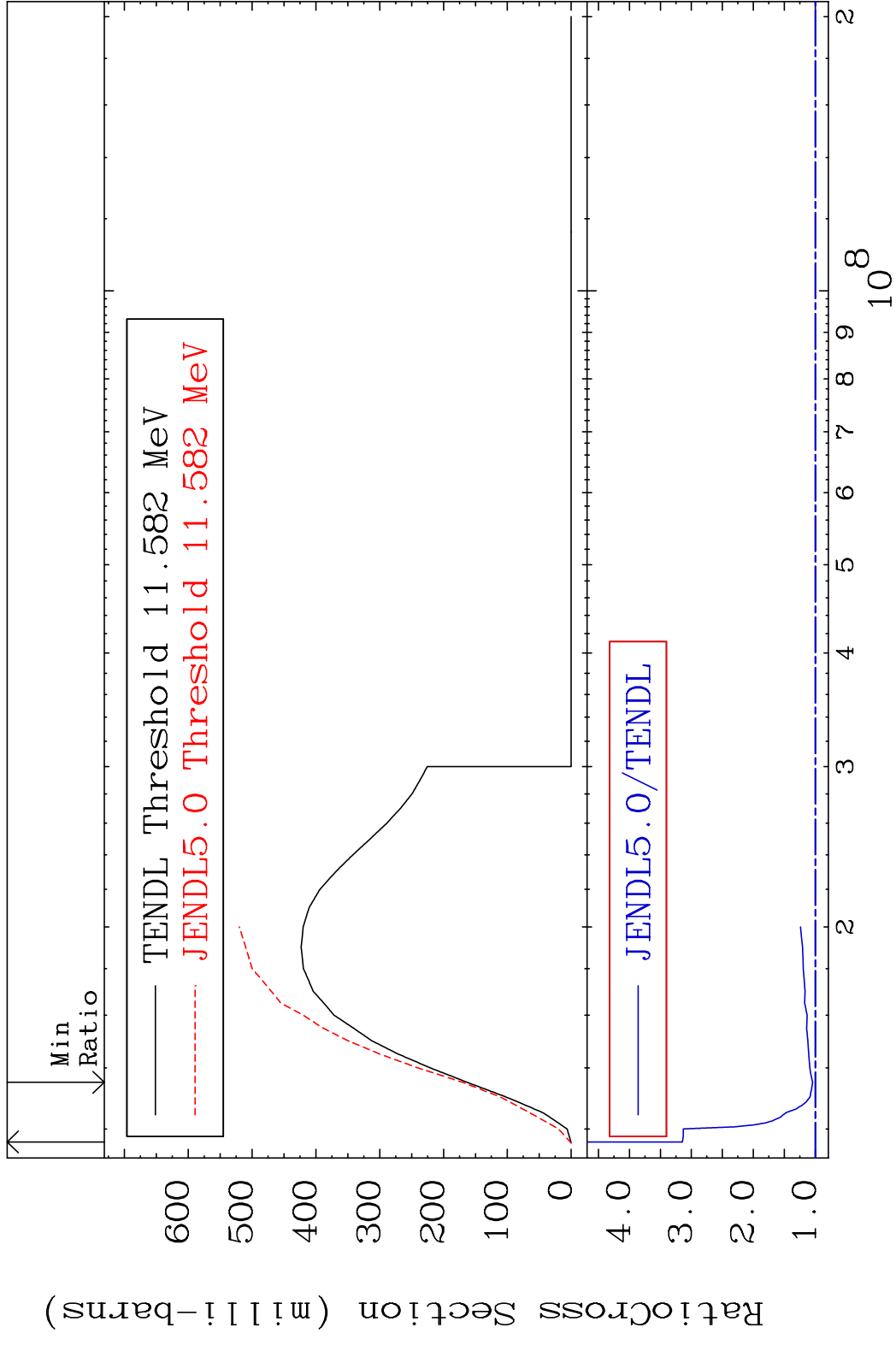


MAT 2125

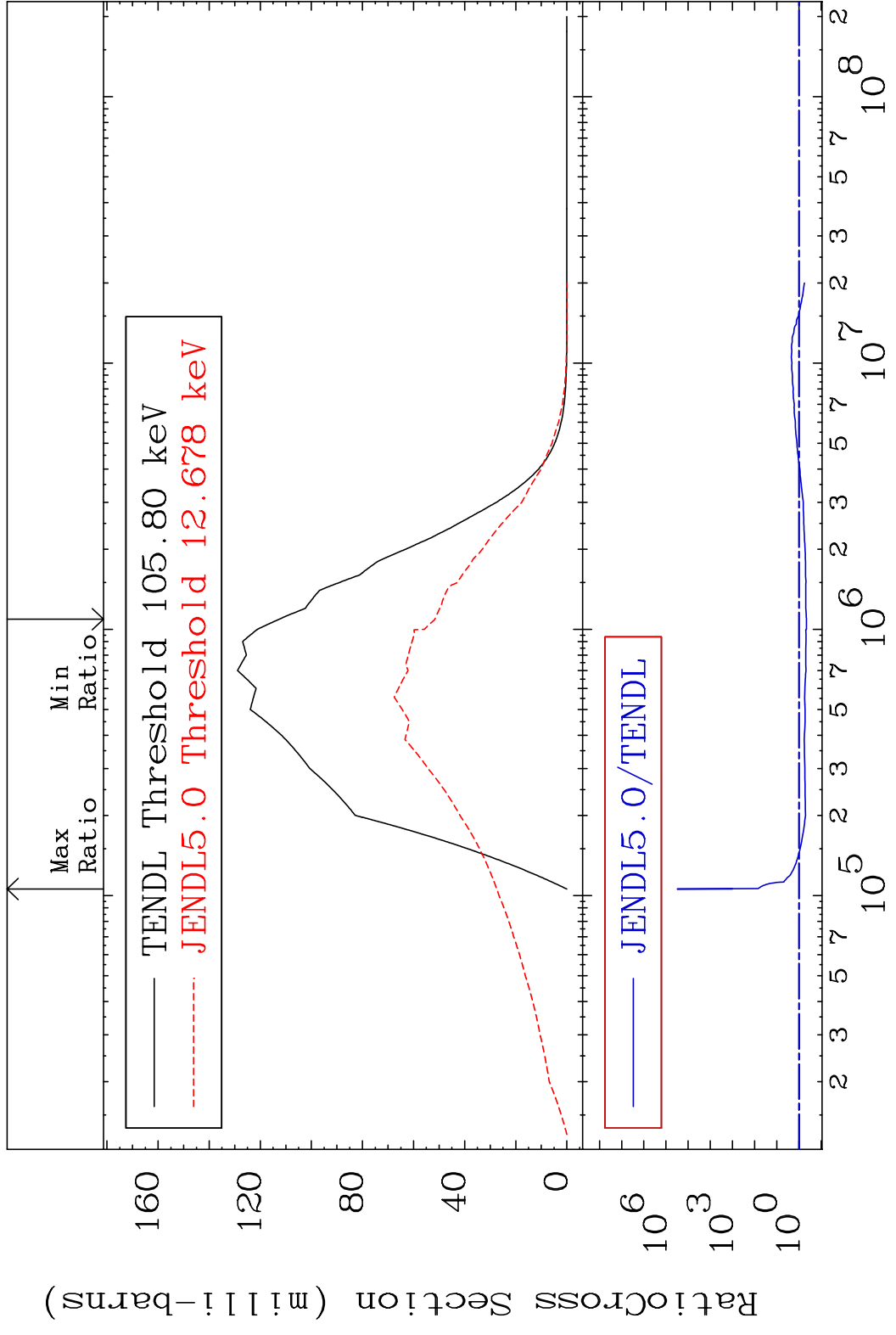
(n,2n)

21-Sc-45

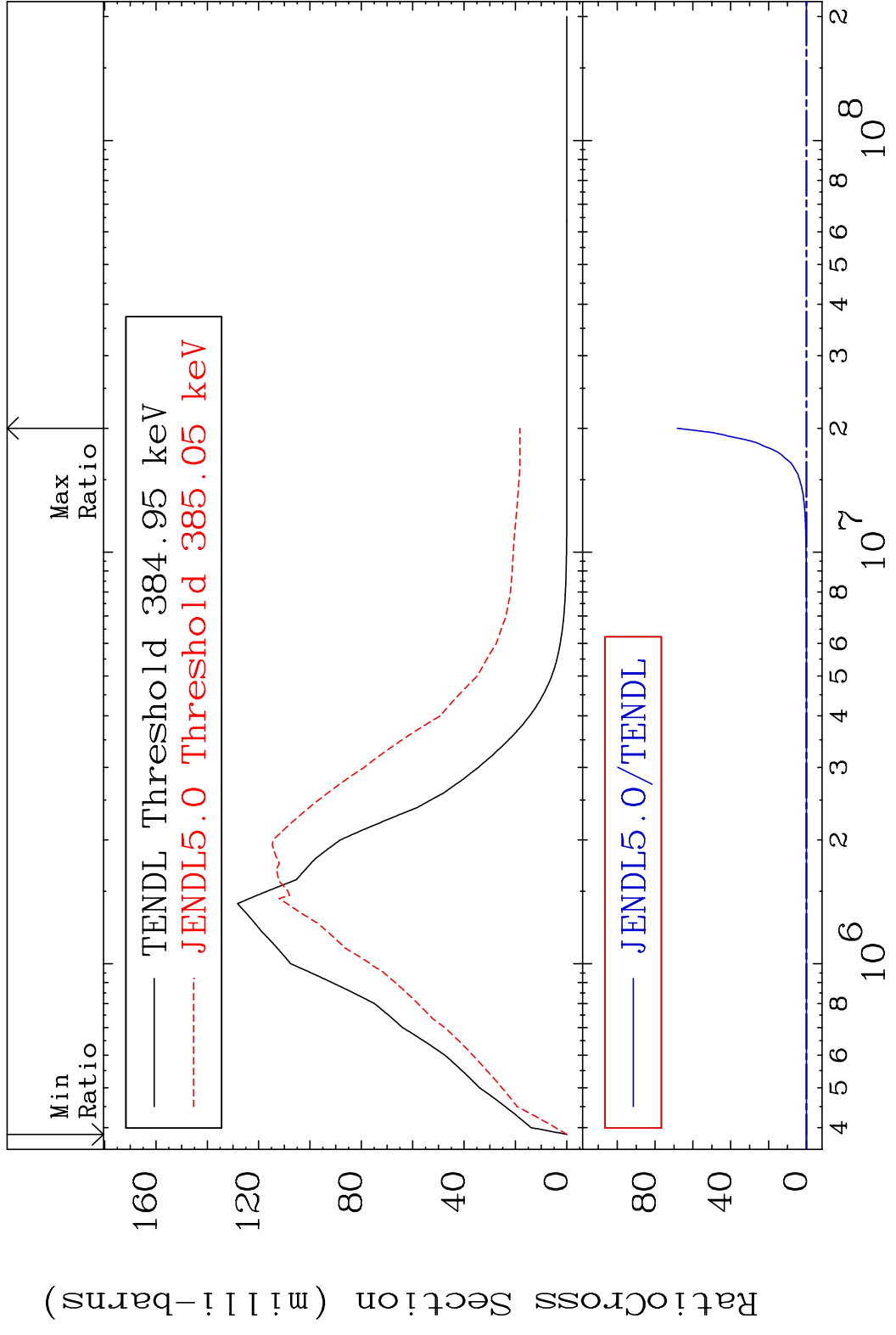
Cross Section 4.330 To 214.6 %



MAT 2125 MT= 51 (n, n') Level 21-Sc-45  
 Cross Section -54.15 To 9999. %

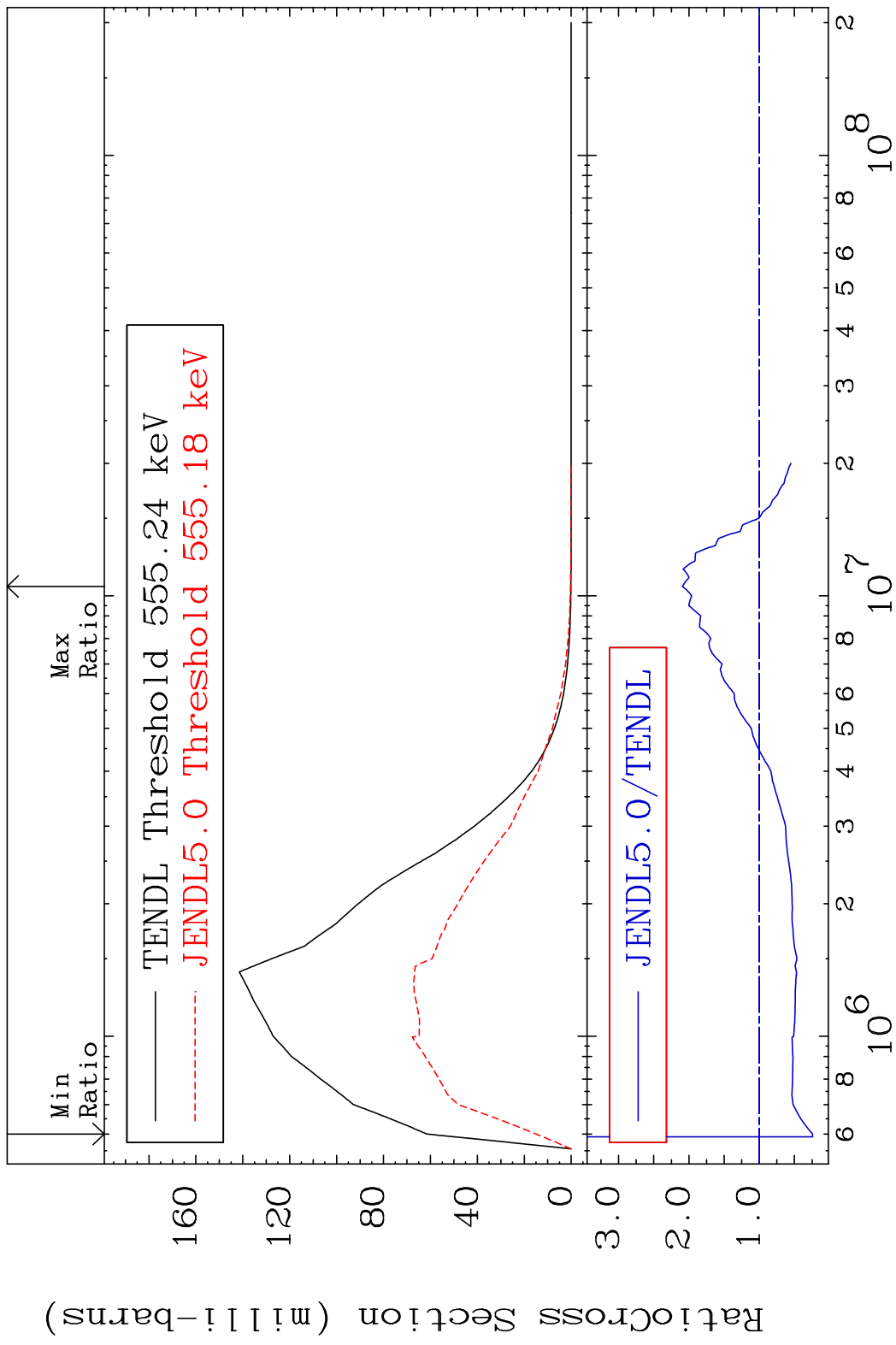


MAT 2125 MT= 52 (n, n') Level 21-Sc-45  
 Cross Section -100.0 To 9999. %



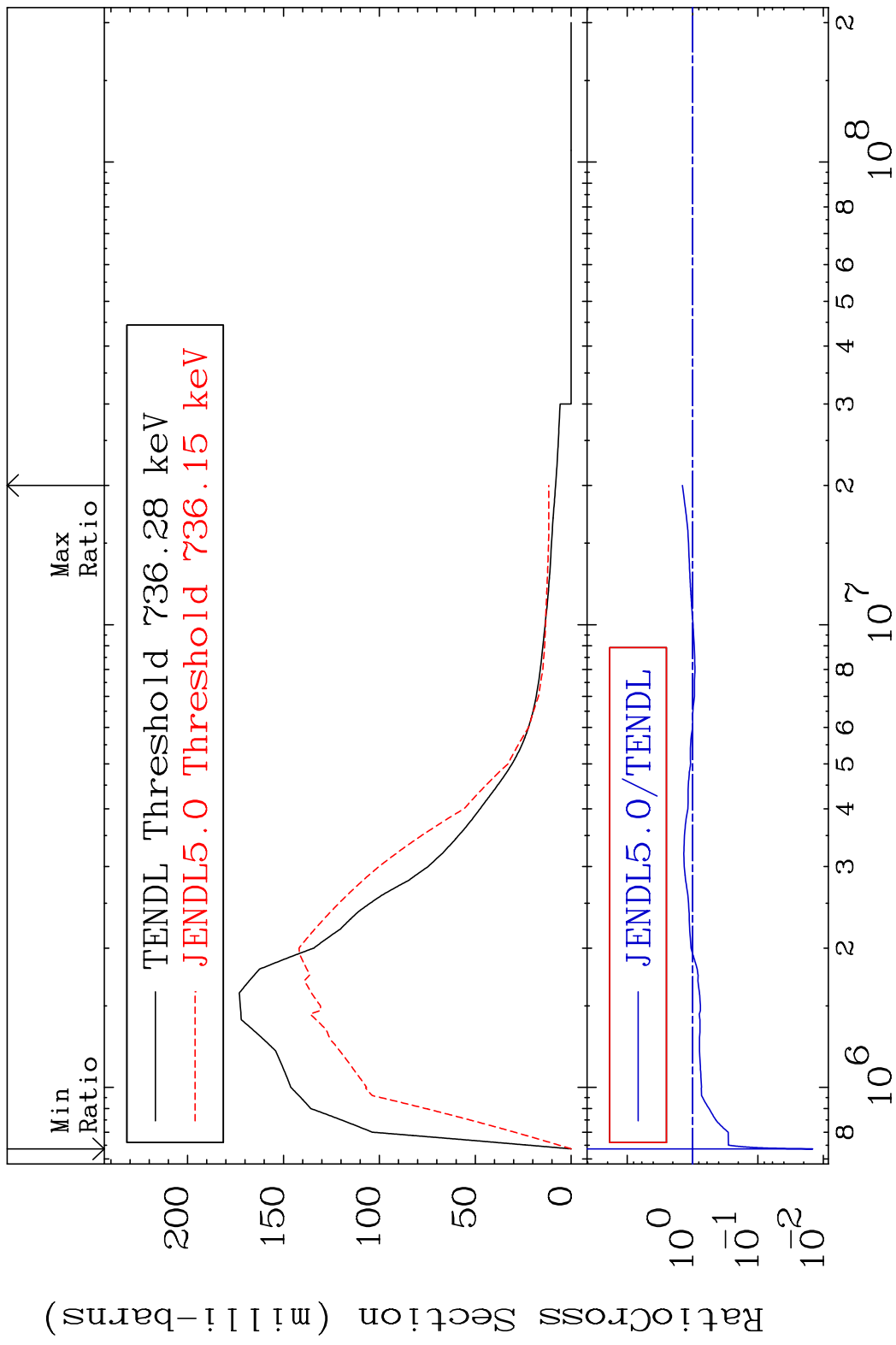
6 21-Sc-45

MAT 2125 MT= 53 (n, n') Level 21-Sc-45  
 Cross Section -75.73 To 109.4 %



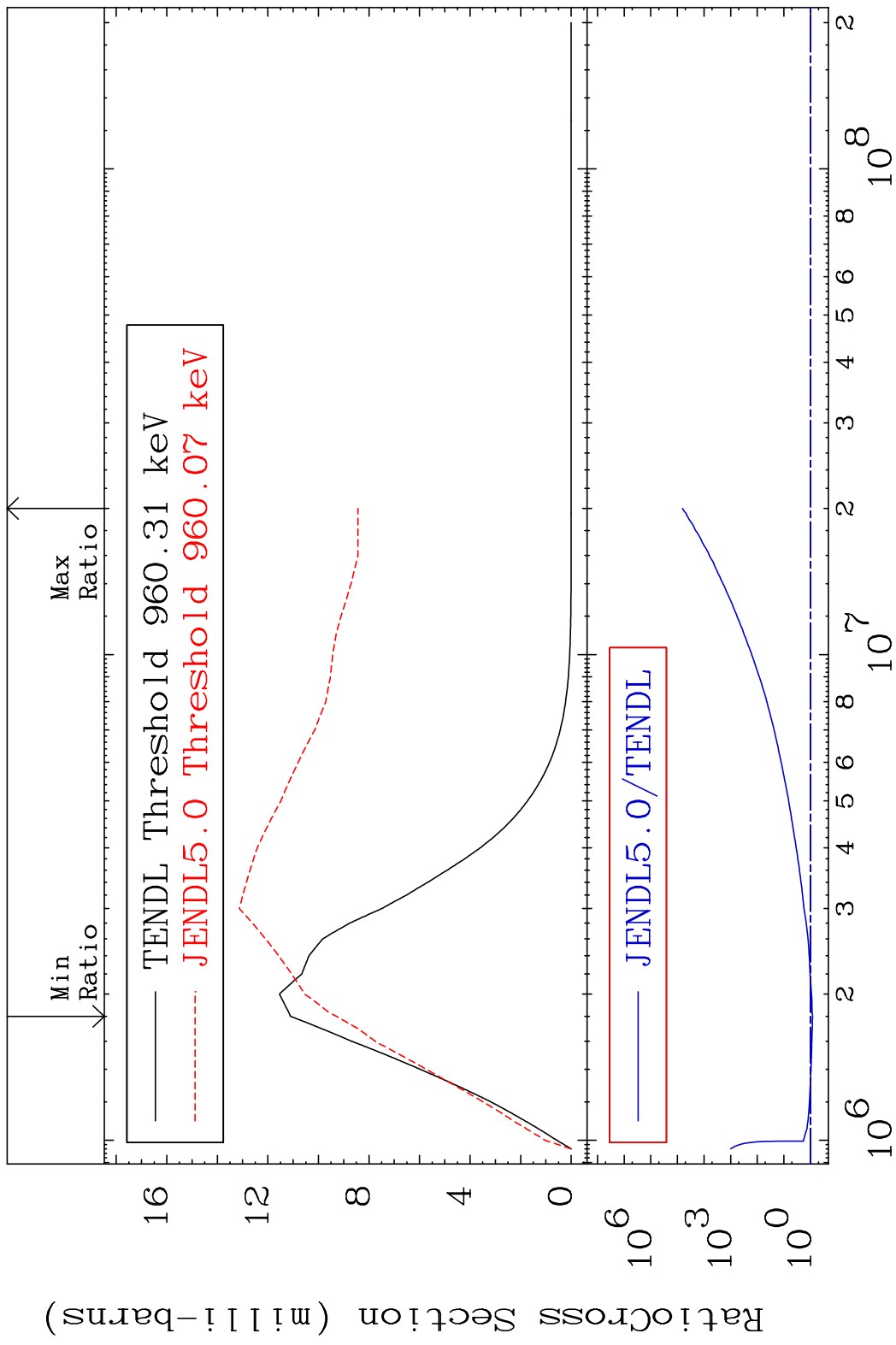


MAT 2125 MT= 54 (n, n') Level 21-Sc-45  
 Cross Section -98.54 To 43.26 %



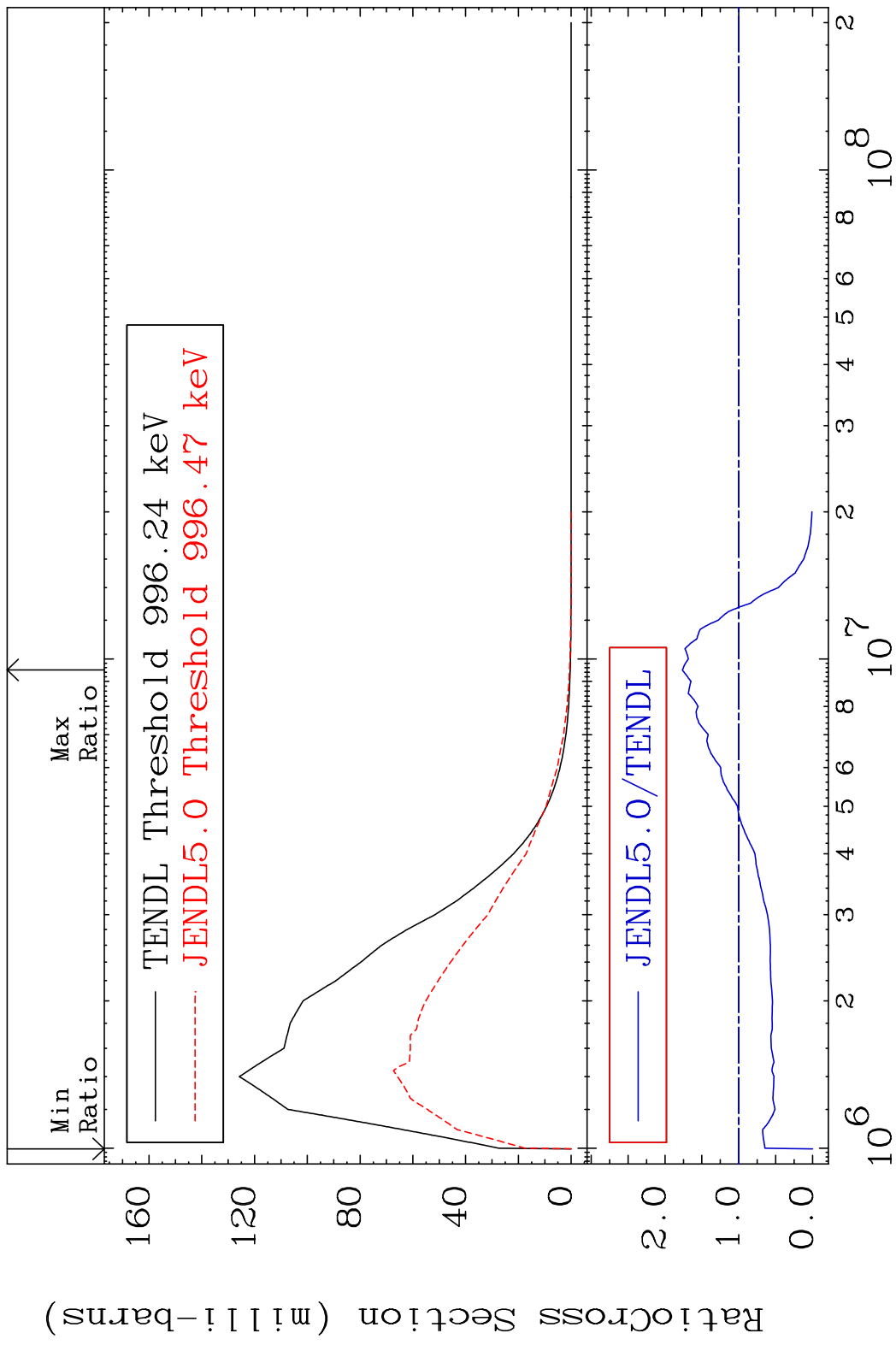
8 8 Incident Energy (eV) 21-Sc-45

MAT 2125 MT= 55 (n, n') Level 21-Sc-45  
 Cross Section -16.31 To 9999. %

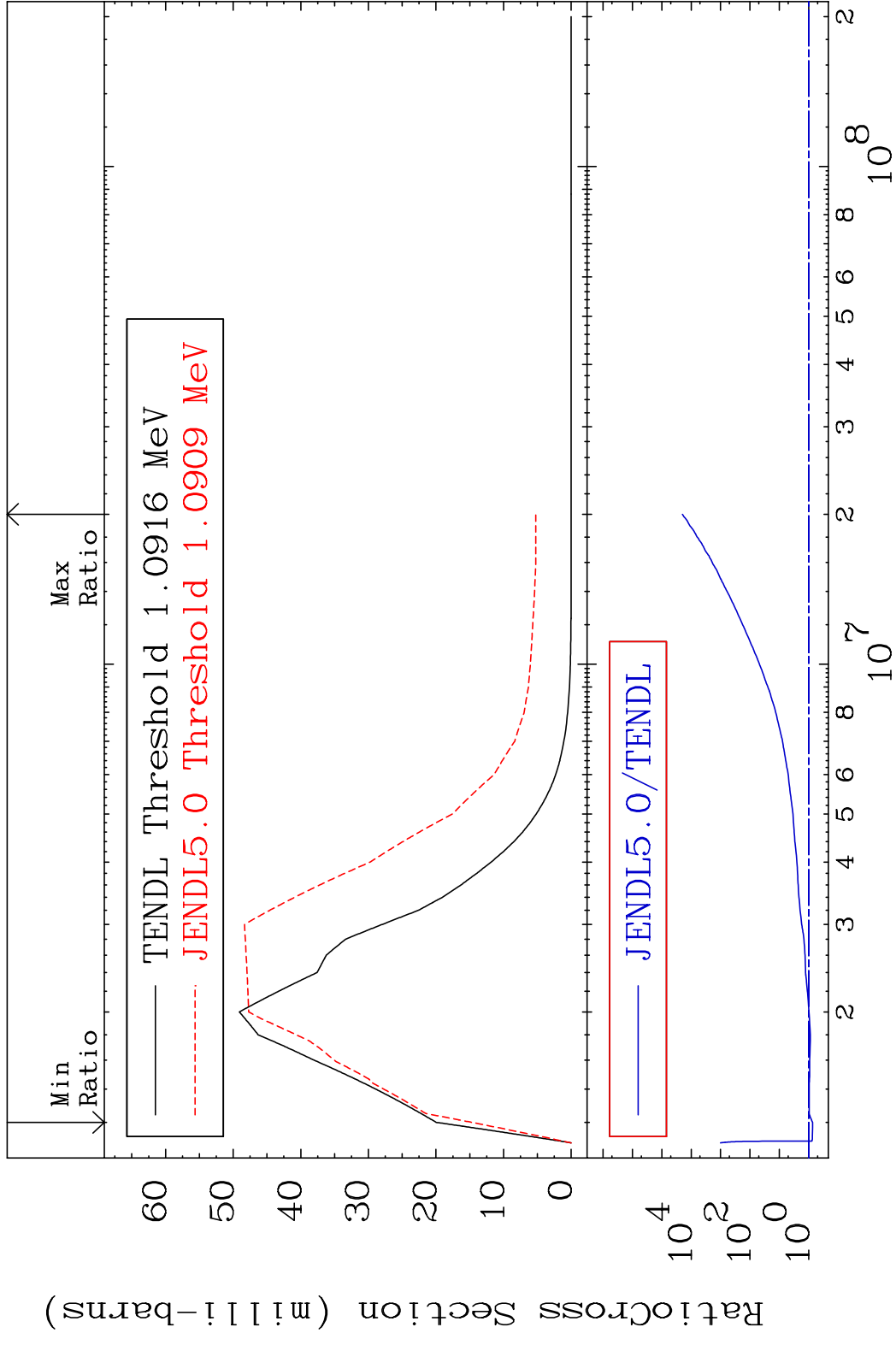


9 Incident Energy (eV) 21-Sc-45

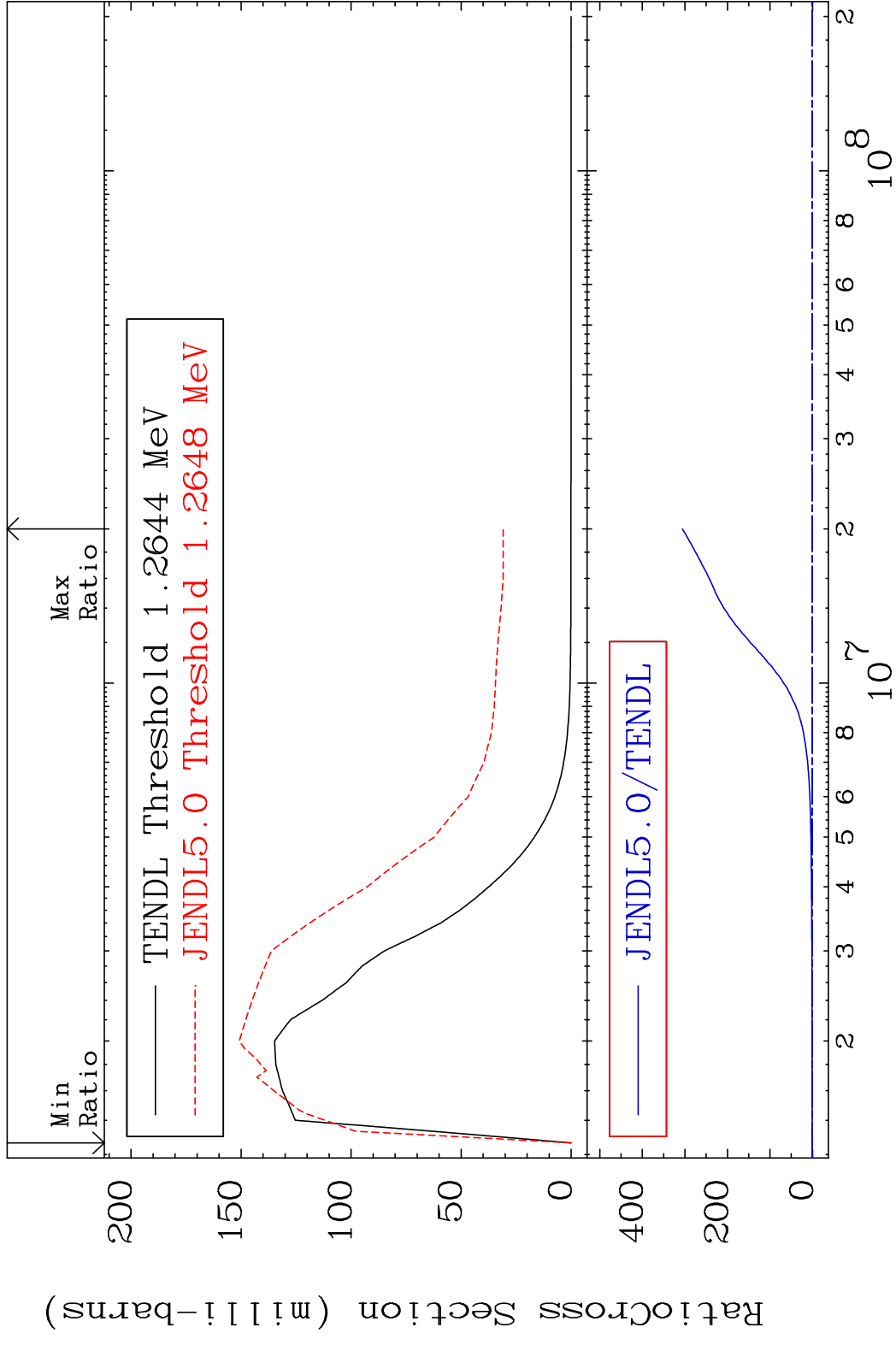
MAT 2125 MT= 56 (n, n') Level 21-Sc-45  
 Cross Section -100.0 To 76.45 %



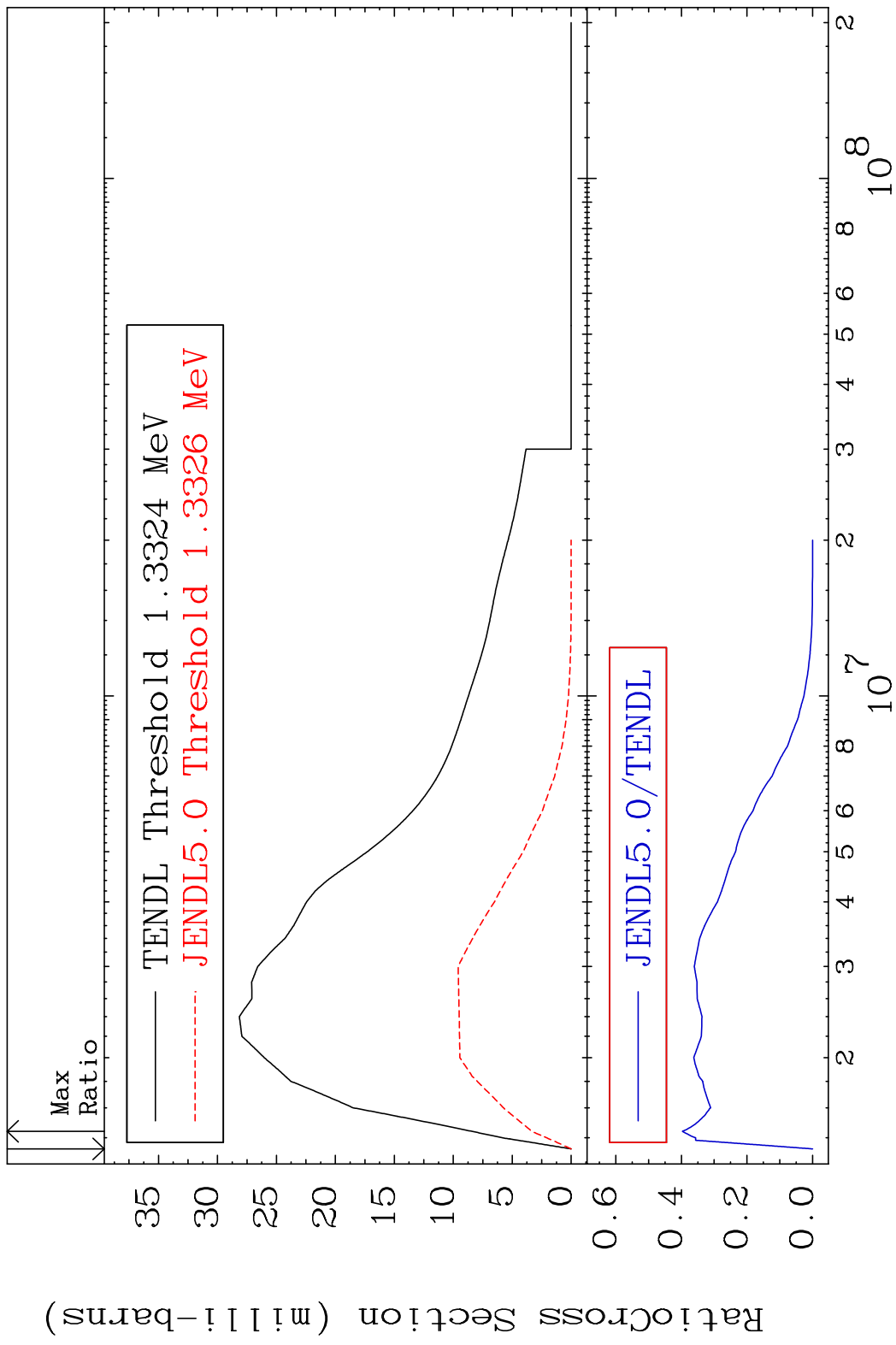
MAT 2125 MT= 57 (n, n') Level 21-Sc-45  
 Cross Section -26.22 To 9999. %



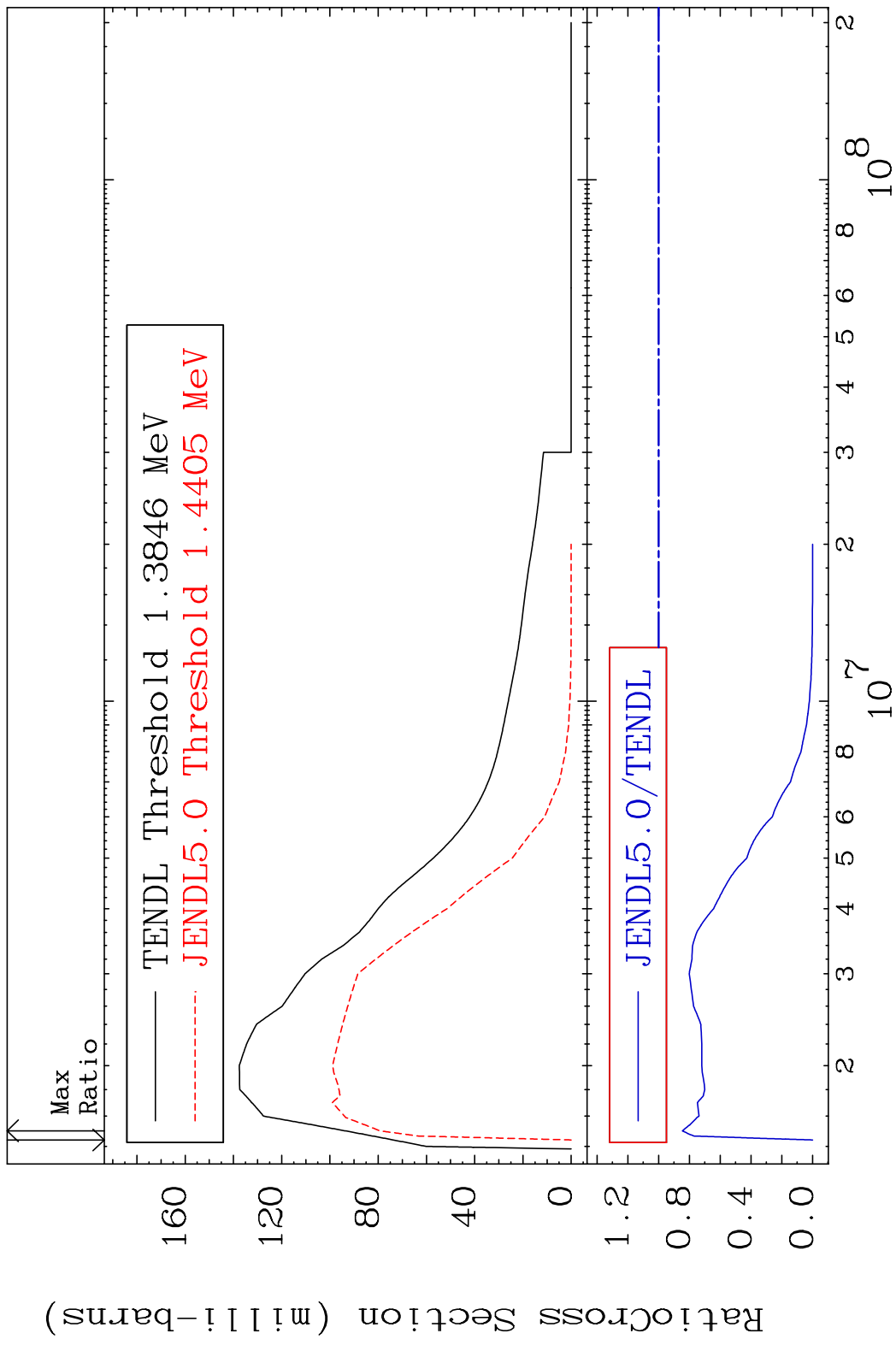
MAT 2125 MT= 58 (n, n') Level 21-Sc-45  
 Cross Section -100.0 To 9999. %



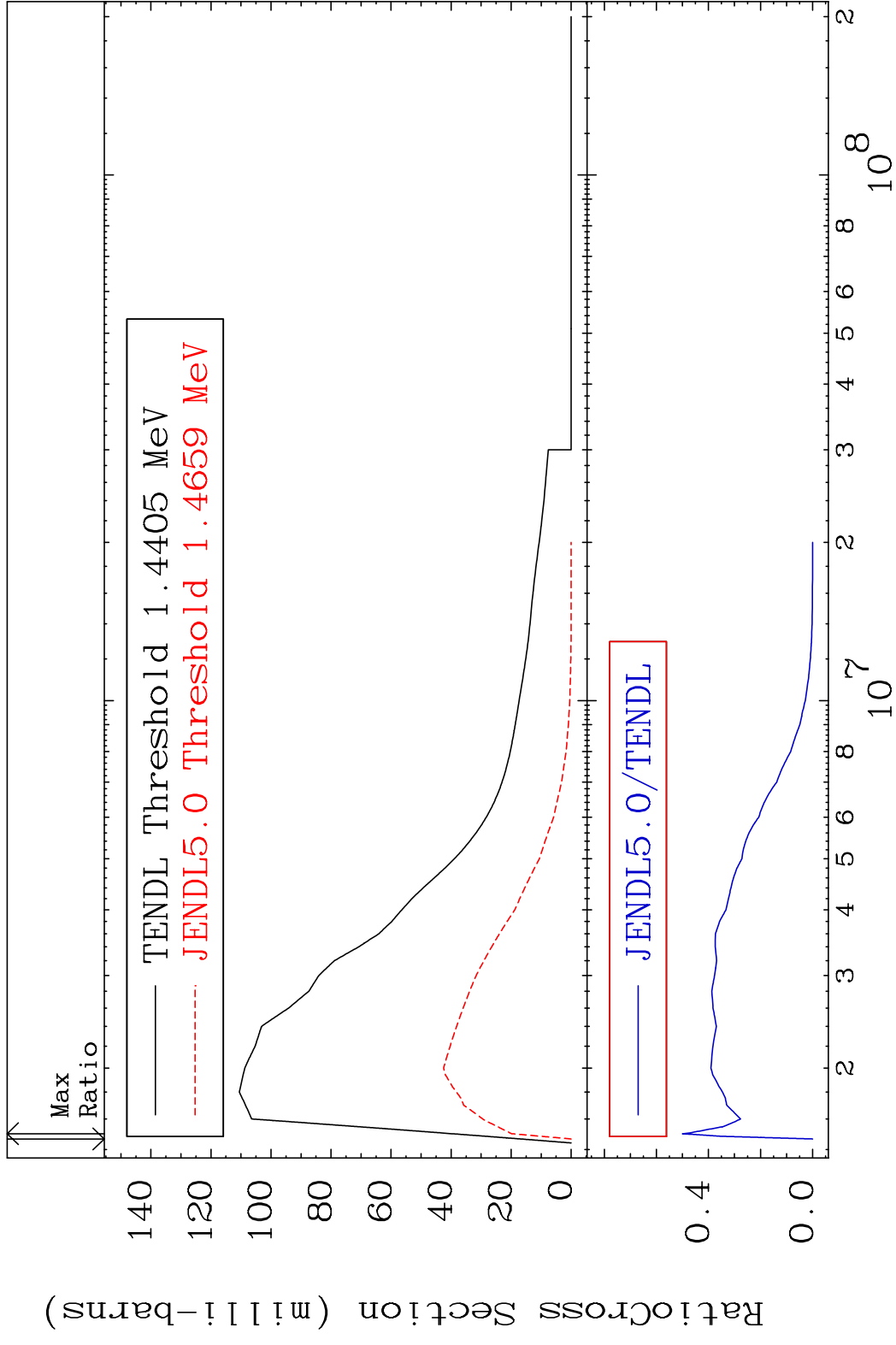
MAT 2125 MT= 59 (n,n') Level 21-Sc-45  
 Cross Section -100.0 To -60.29%



MAT 2125 MT= 60 (n, n') Level 21-Sc-45  
 Cross Section -100.0 To -15.42%

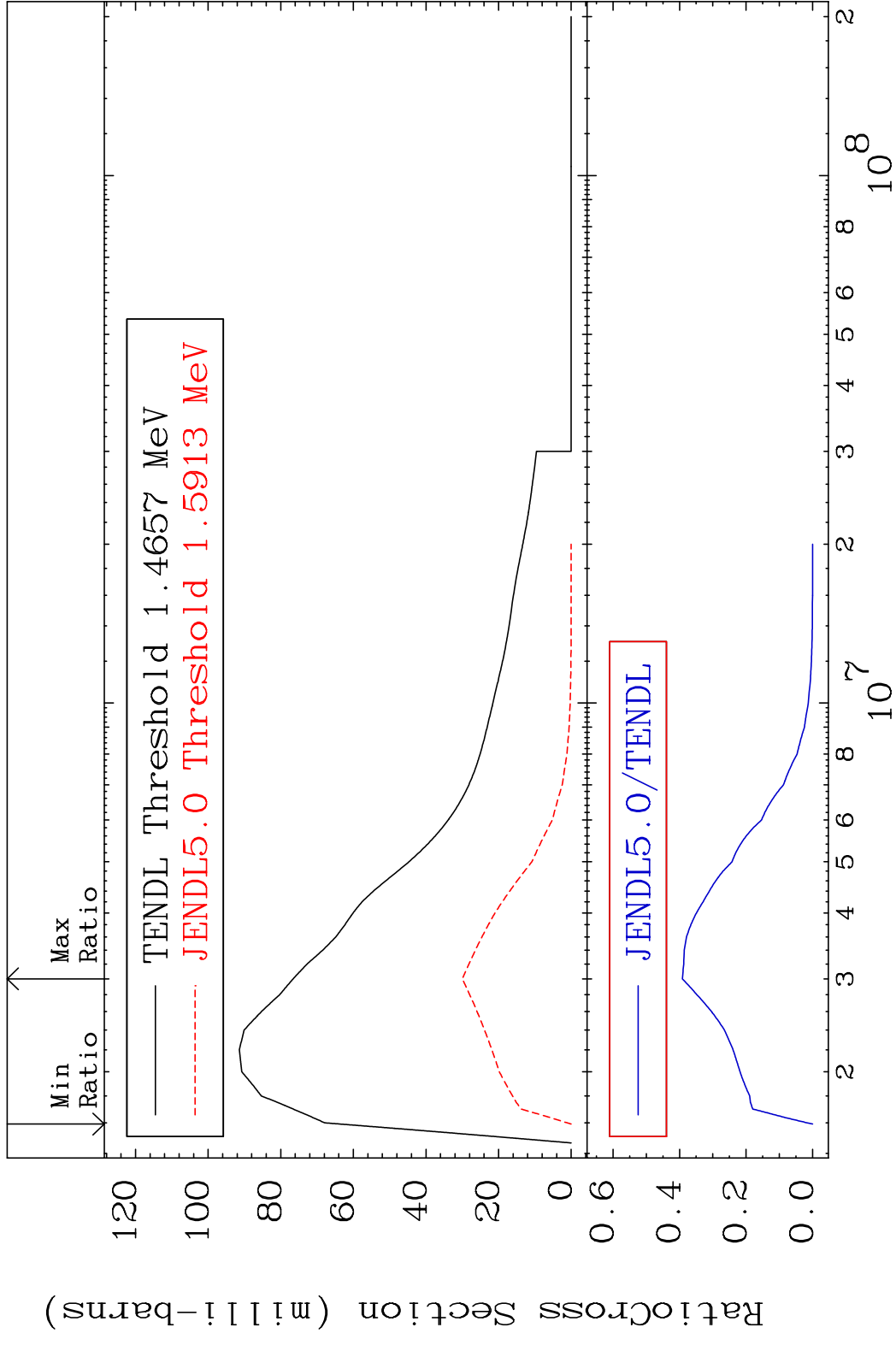


MAT 2125 MT= 61 (n, n') Level 21-Sc-45  
 Cross Section -100.0 To -49.96%

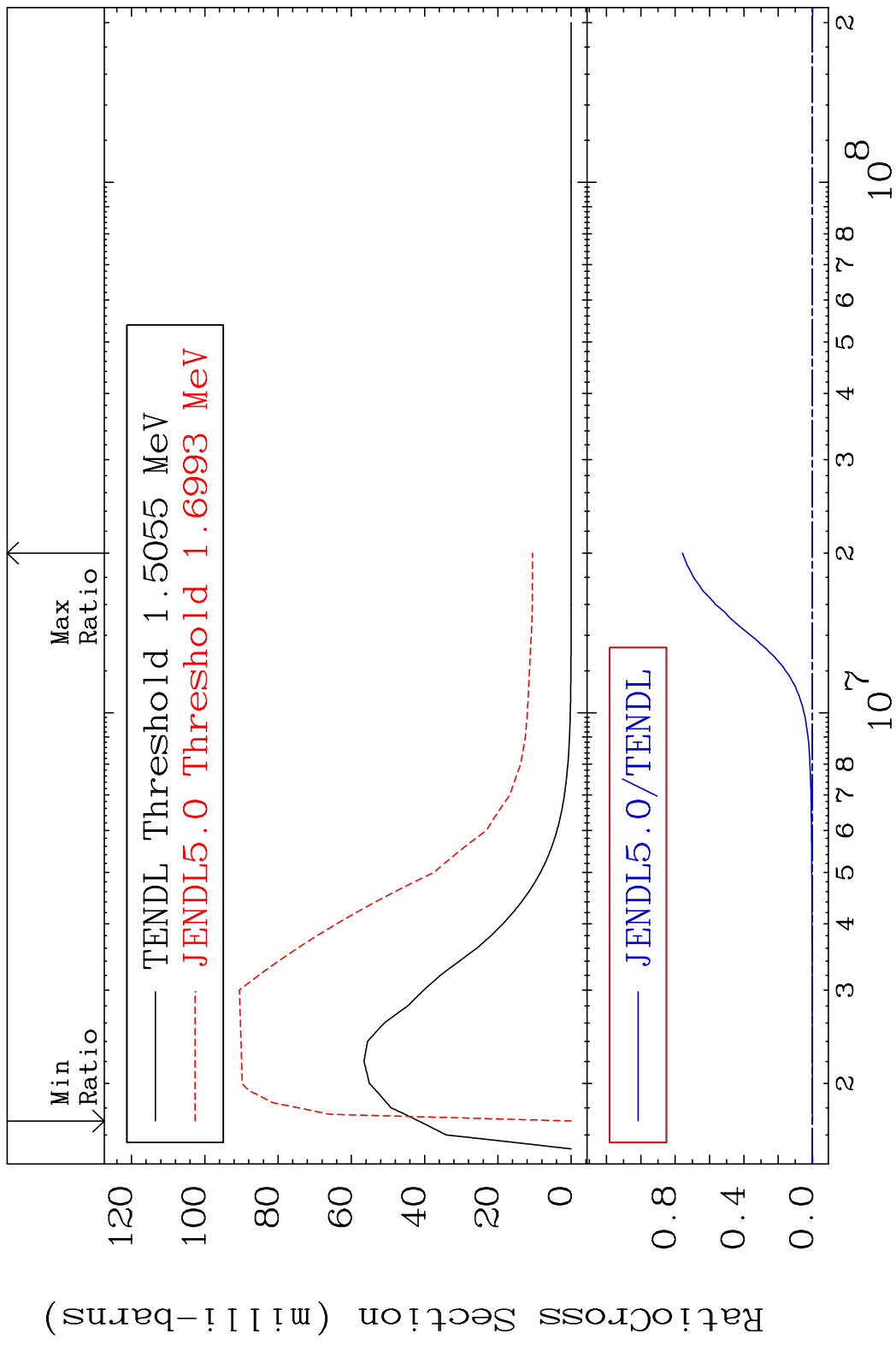




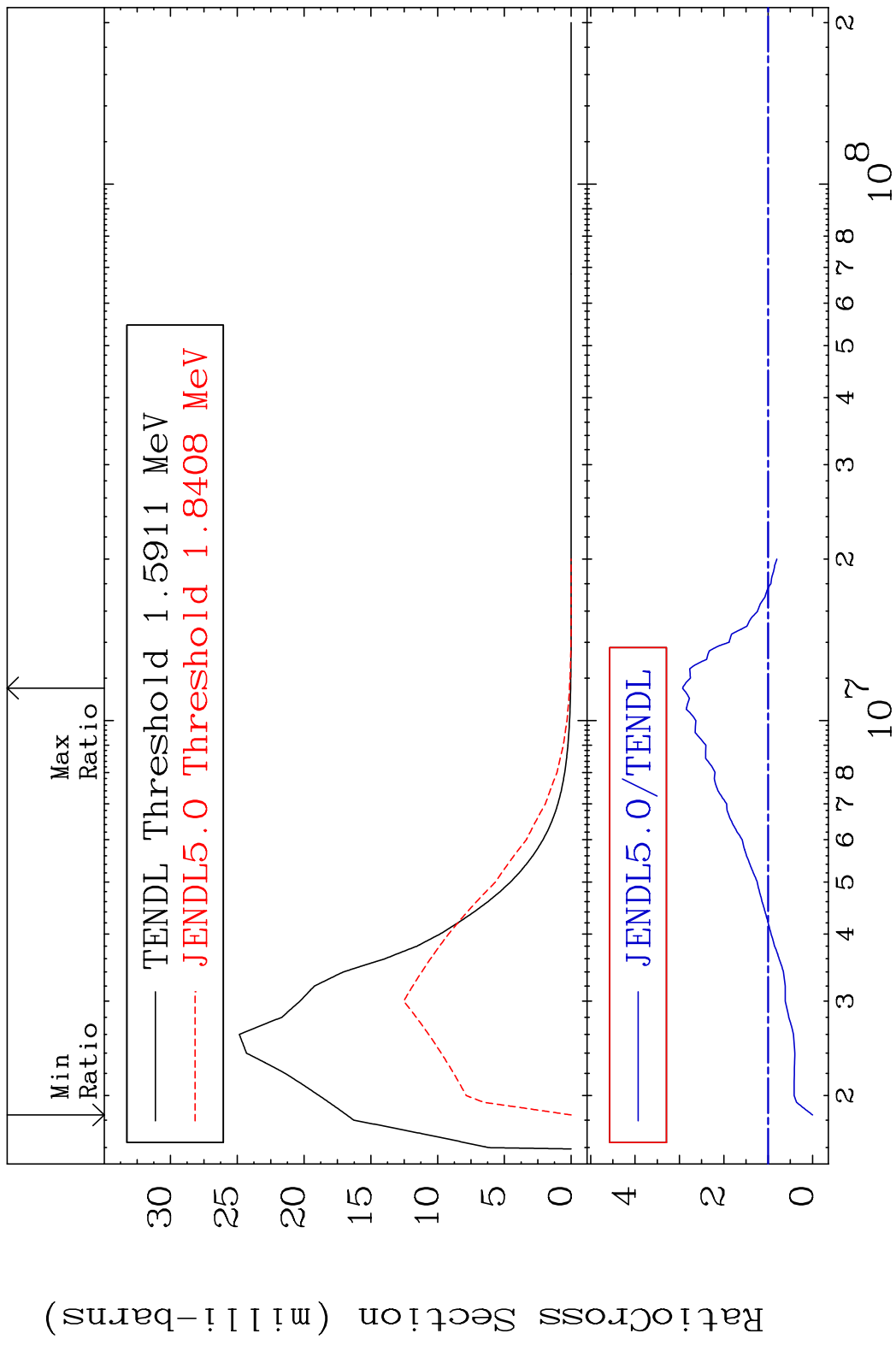
MAT 2125 MT= 62 (n,n') Level 21-Sc-45  
 Cross Section -100.0 To -60.84%



MAT 2125 MT= 63 (n, n') Level 21-Sc-45  
 Cross Section -100.0 To 9999. %



MAT 2125 MT= 64 (n, n') Level 21-Sc-45  
 Cross Section -100.0 To 193.4 %

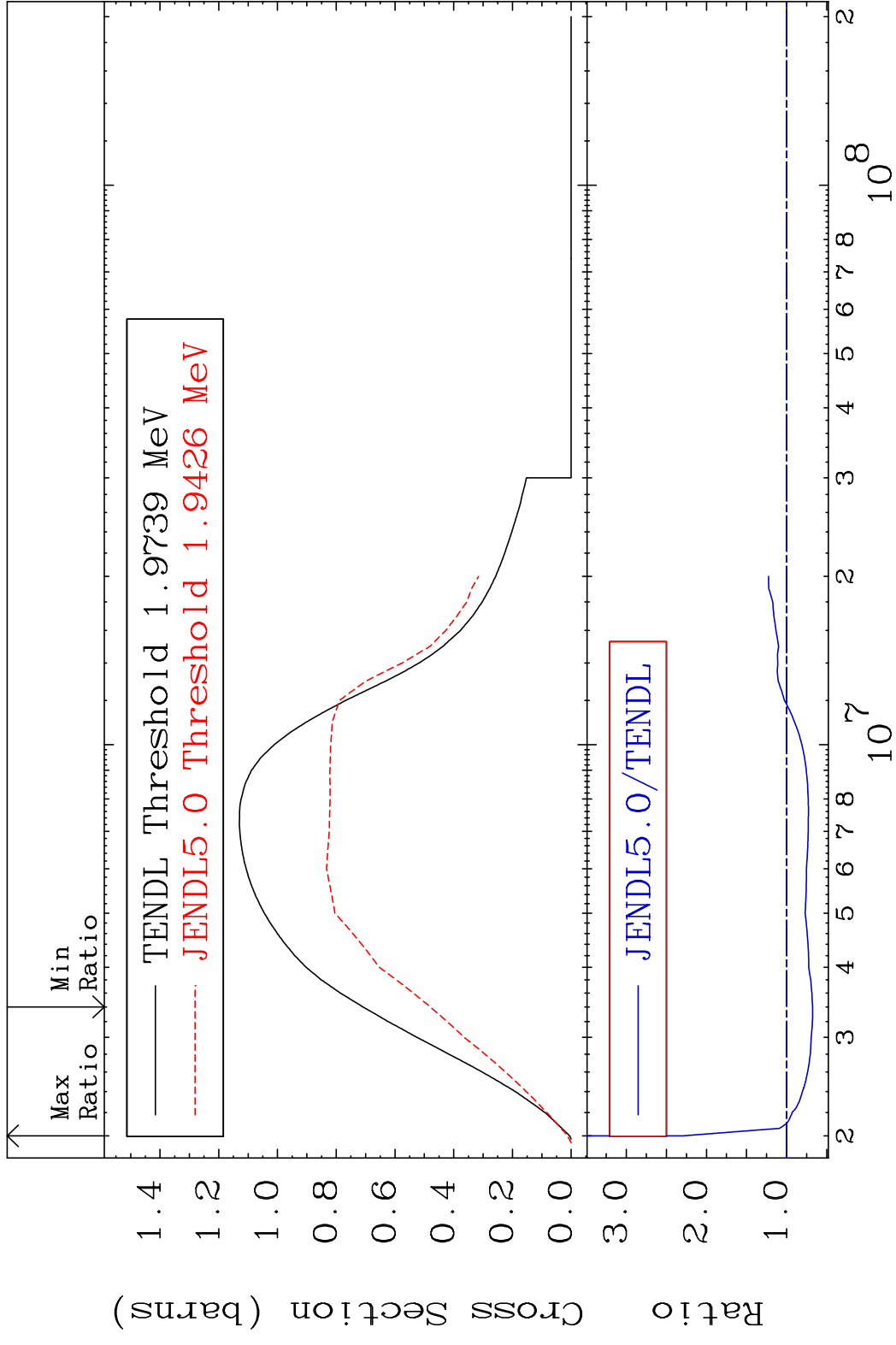


MAT 2125

(n,n') Continuum

21-Sc-45

Cross Section -32.35 To 130.1 %

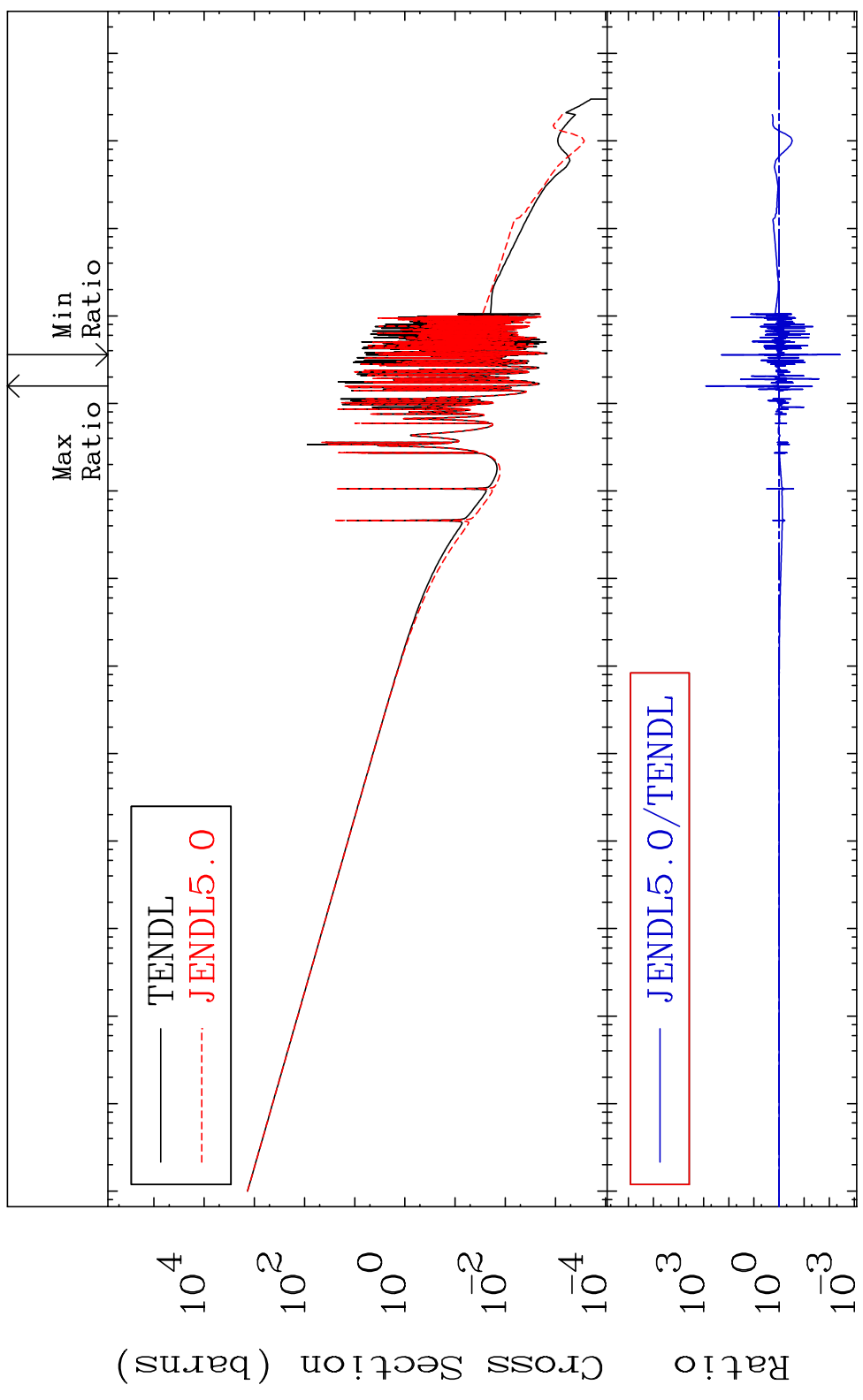


MAT 2125

(n,  $\gamma$ )

21-Sc-45

Cross Section -99.64 To 9999. %



20

Incident Energy (eV)

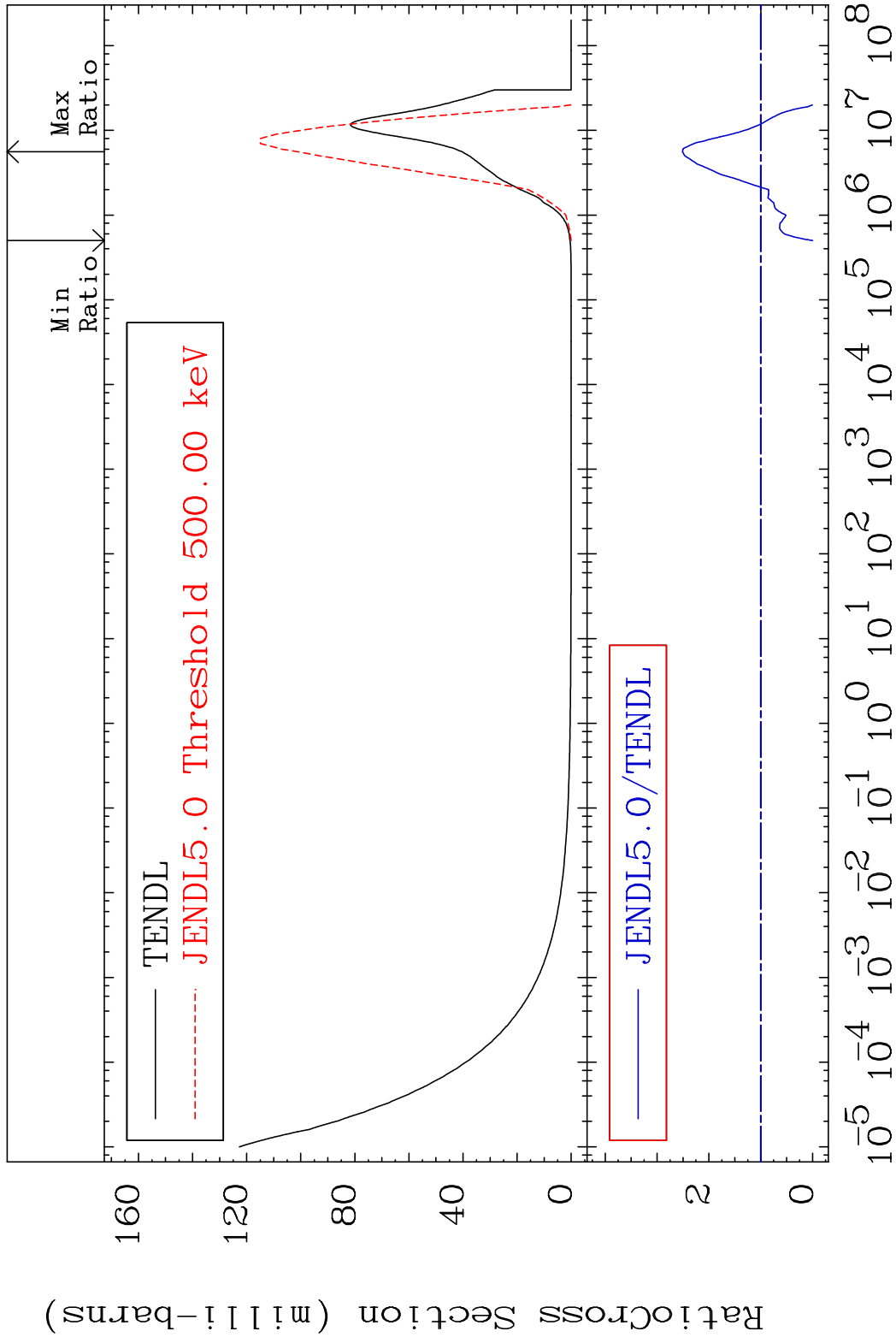
21-Sc-45

MAT 2125

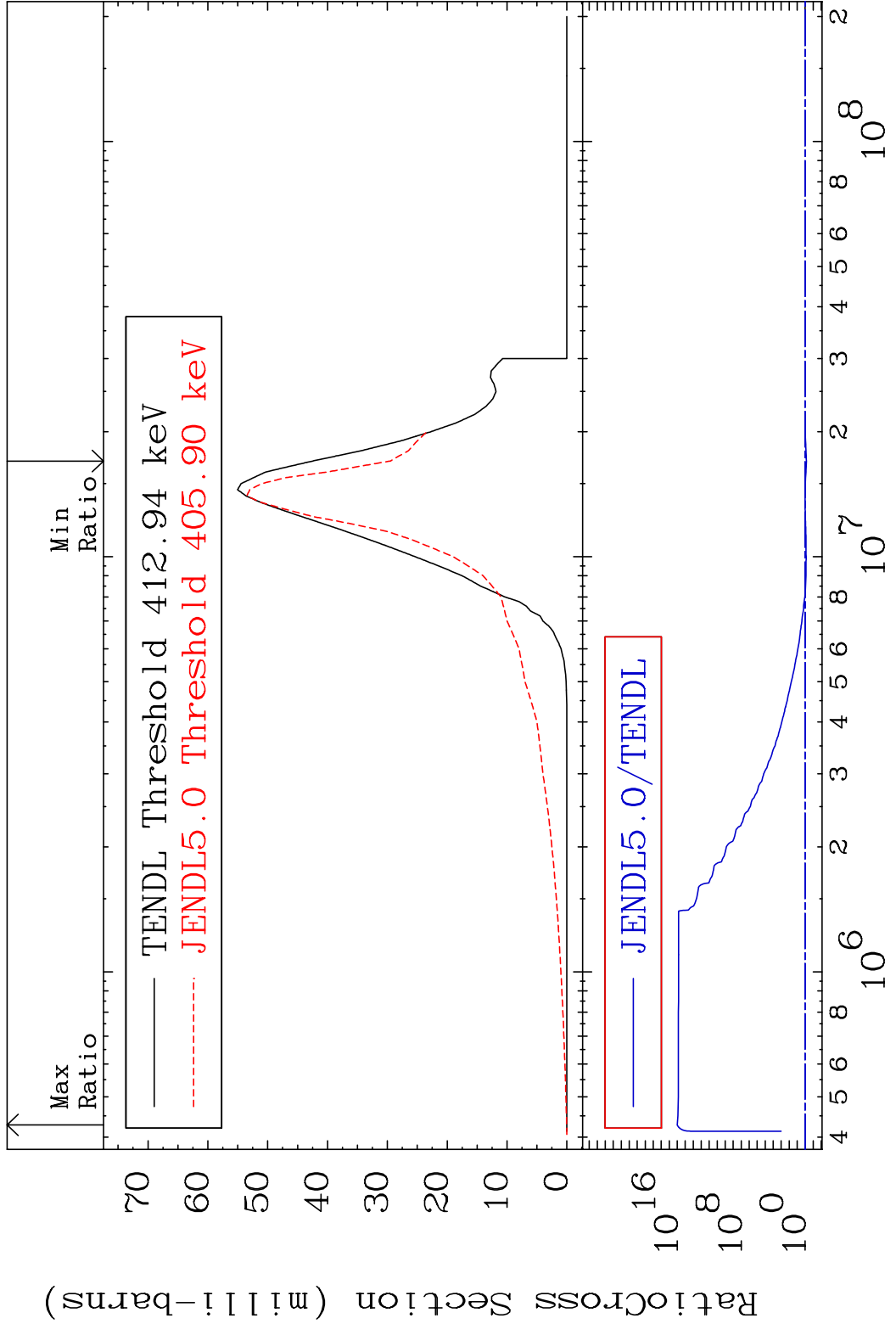
(n, p)

21-Sc-45

Cross Section -100.0 To 151.2 %



MAT 2125 (n,  $\alpha$ ) 21-Sc-45  
 Cross Section -30.54 To 9999. %

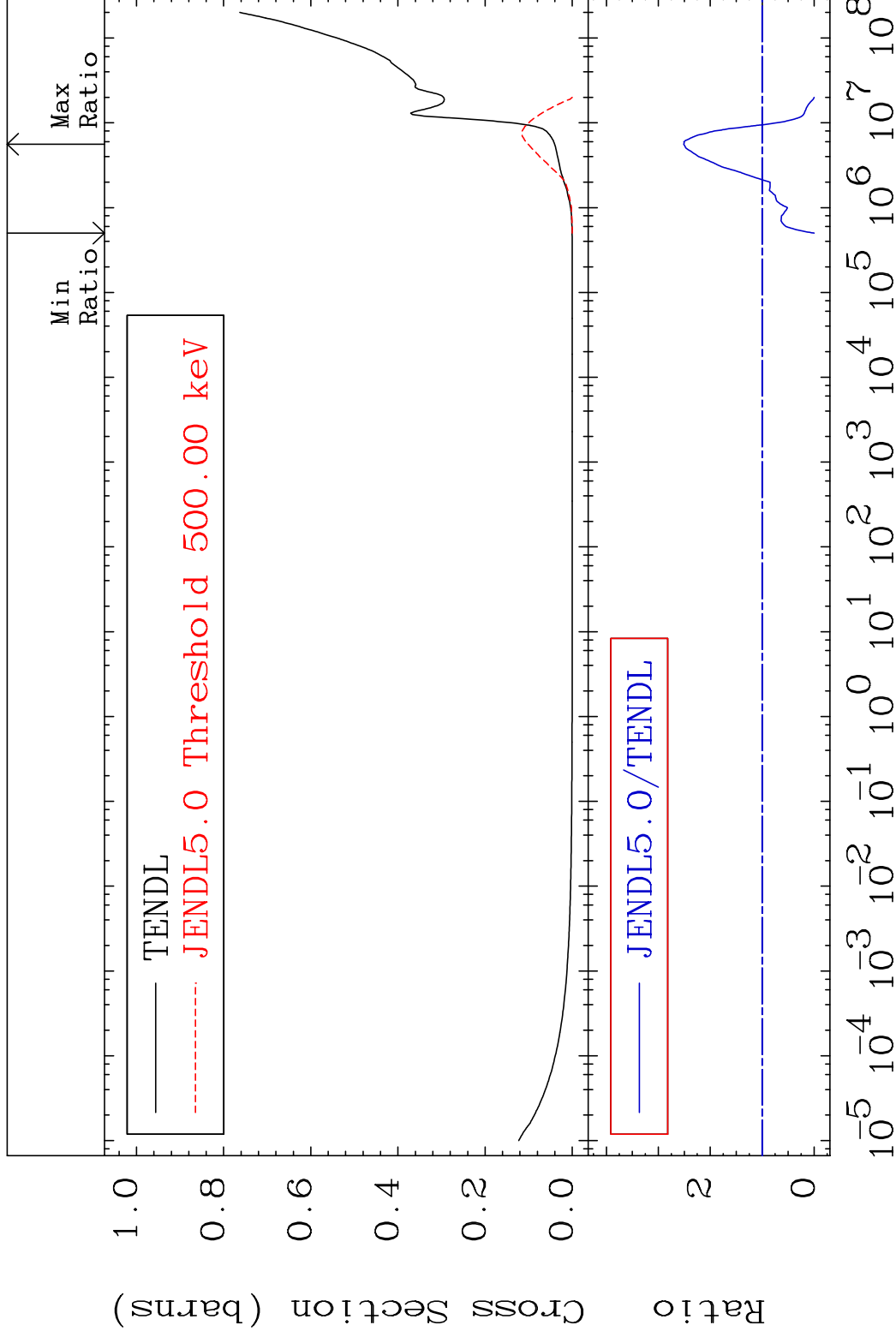


MAT 2125

Hydrogen Production

21-Sc-45

Cross Section -100.0 To 151.2 %



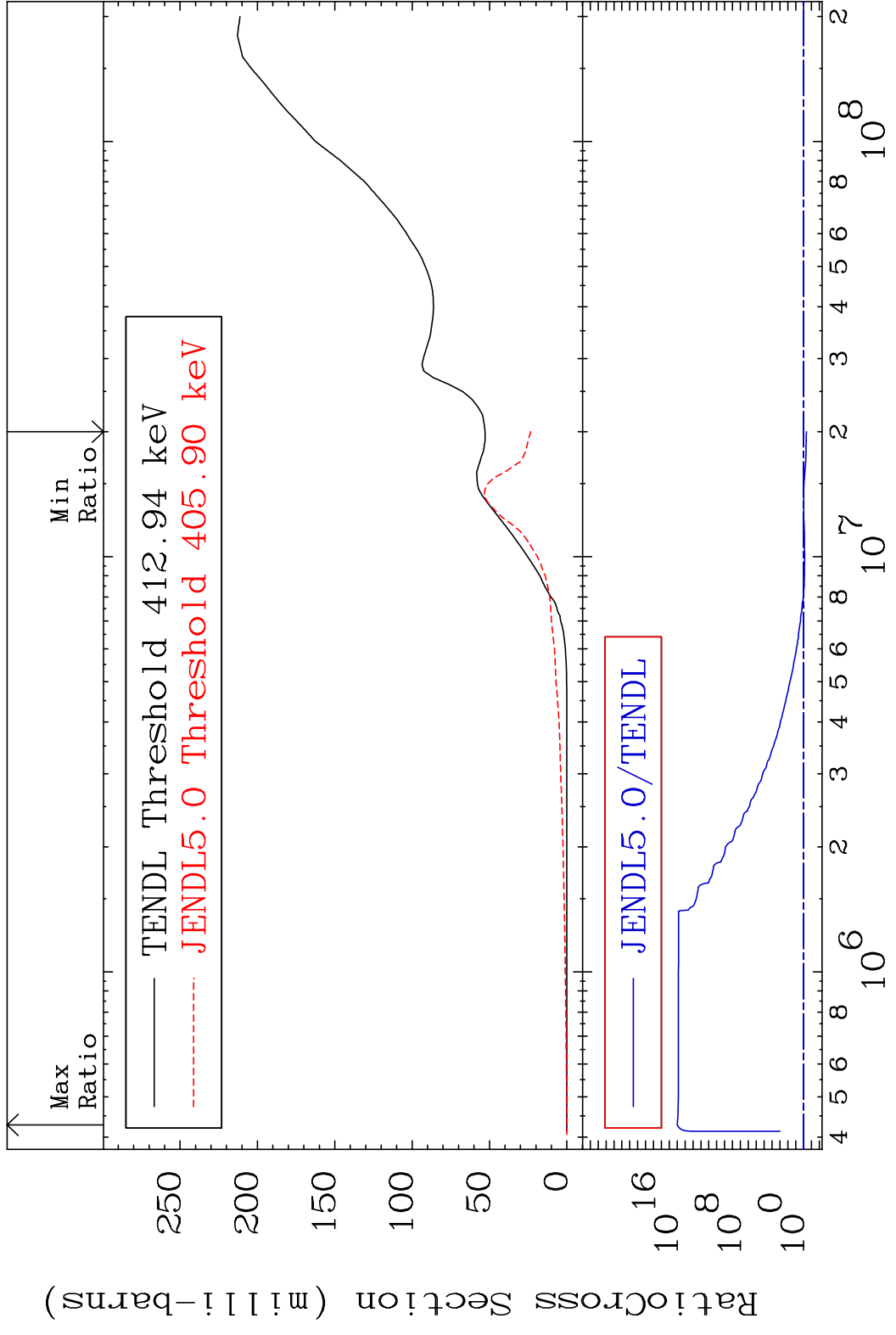
23

Incident Energy (eV)

21-Sc-45

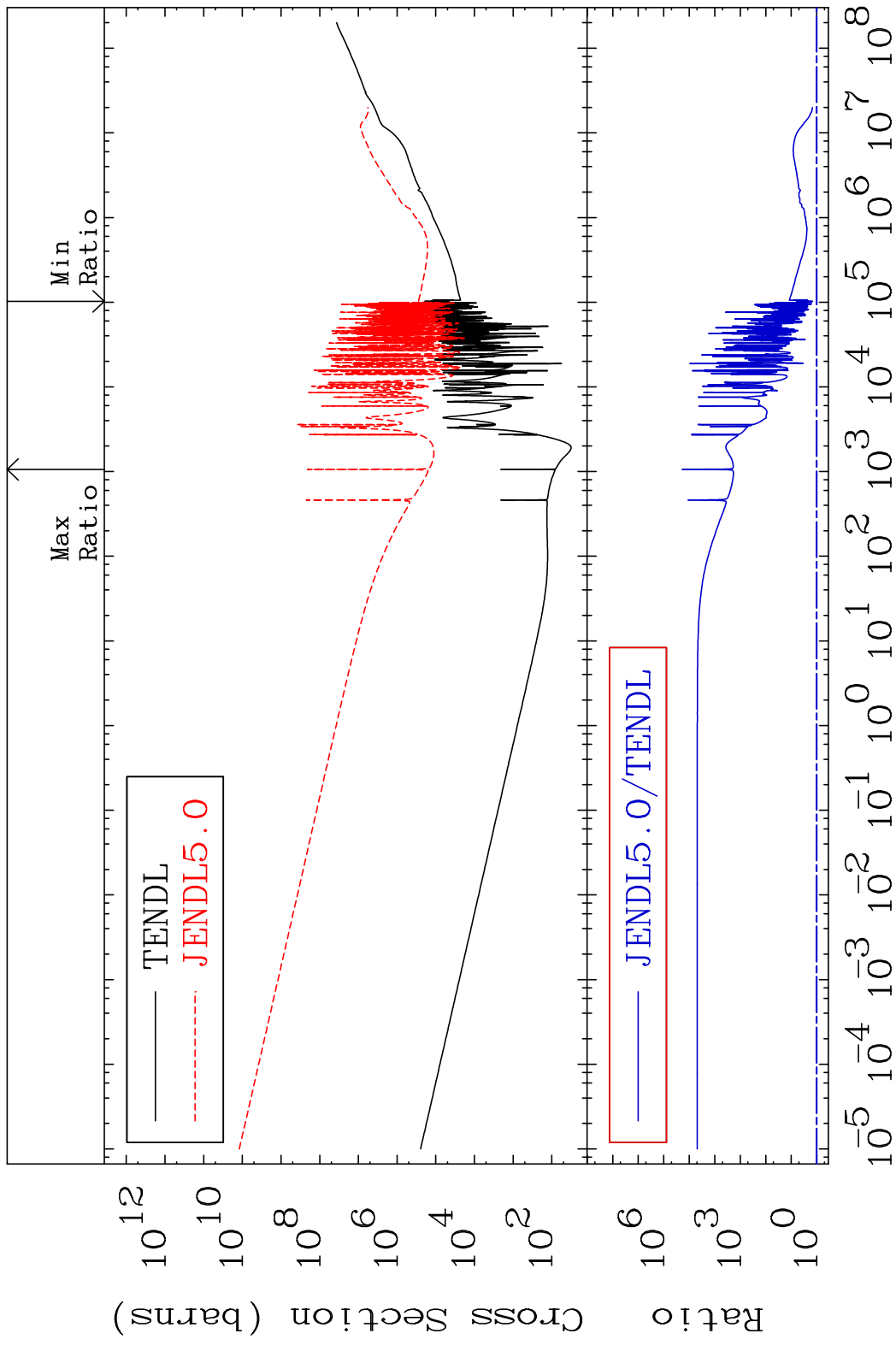


MAT 2125 He-4 Production 21-Sc-45  
 Cross Section -55.77 To 9999. %



24 Incident Energy (eV) 21-Sc-45

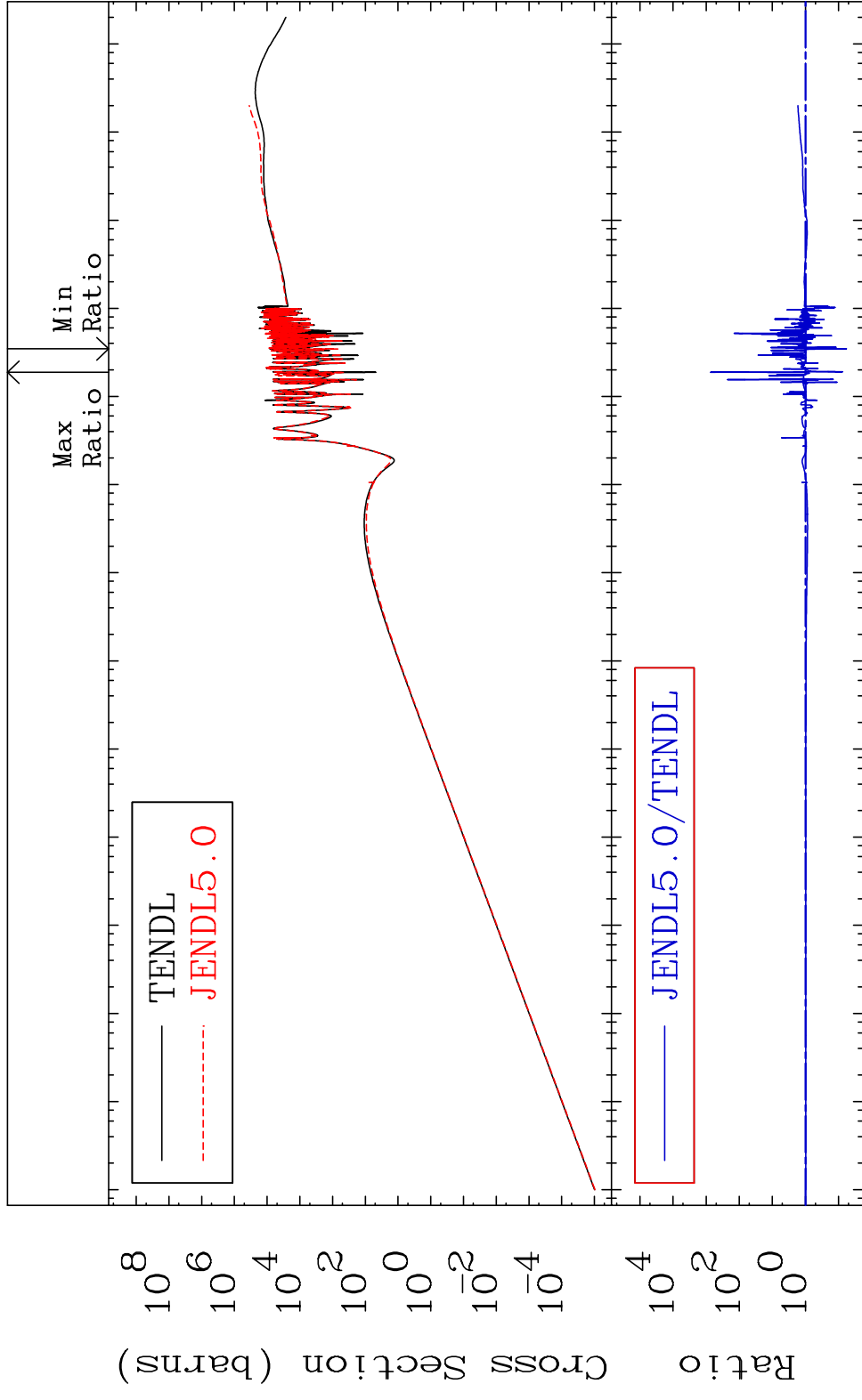
MAT 2125 Kerma total (eV-barns) 21-Sc-45  
 Cross Section 46.22 To 9999. %



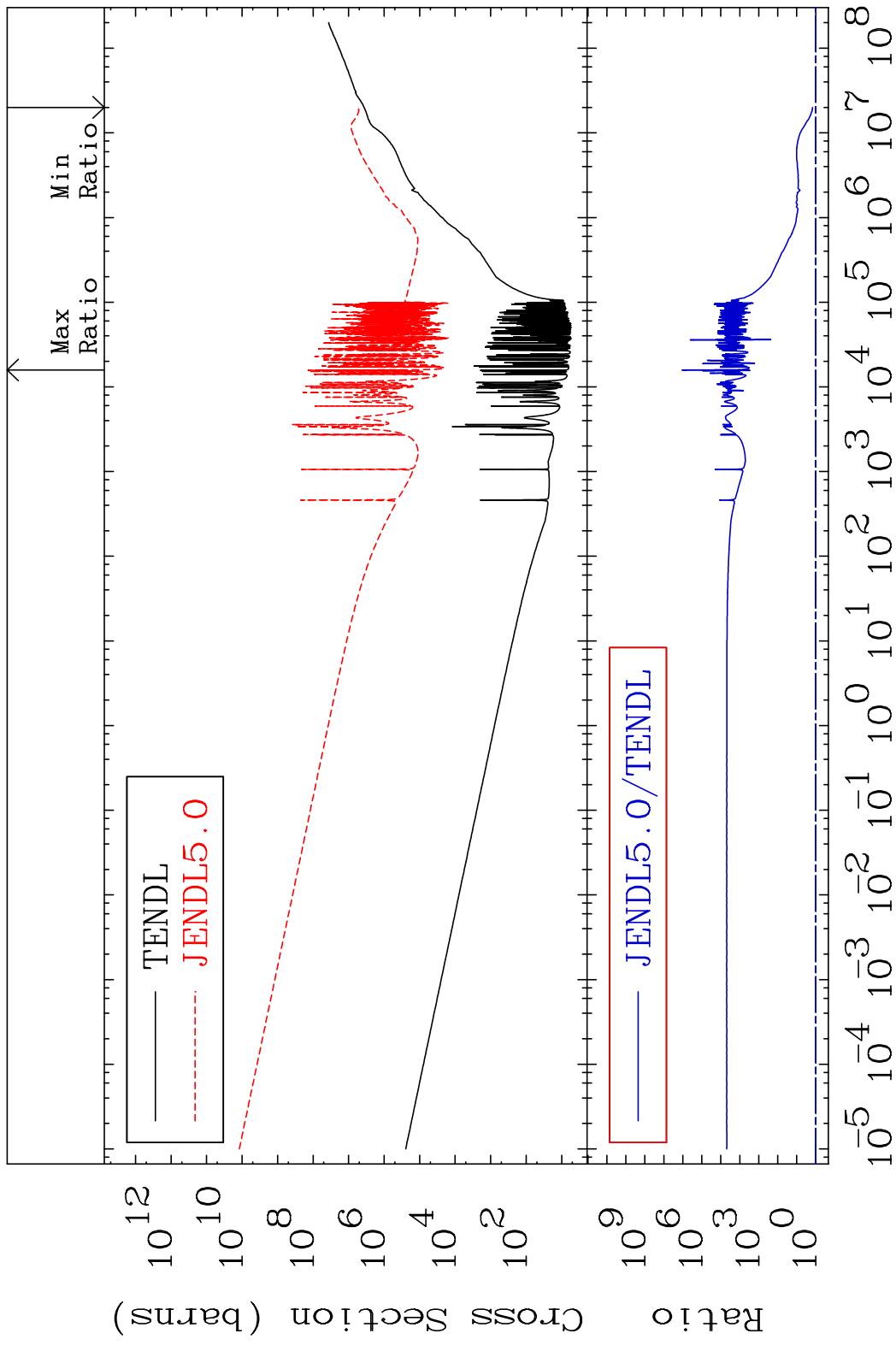
MAT 2125

Kerma elastic  
Cross Section -94.16 To 9999. %

21-Sc-45

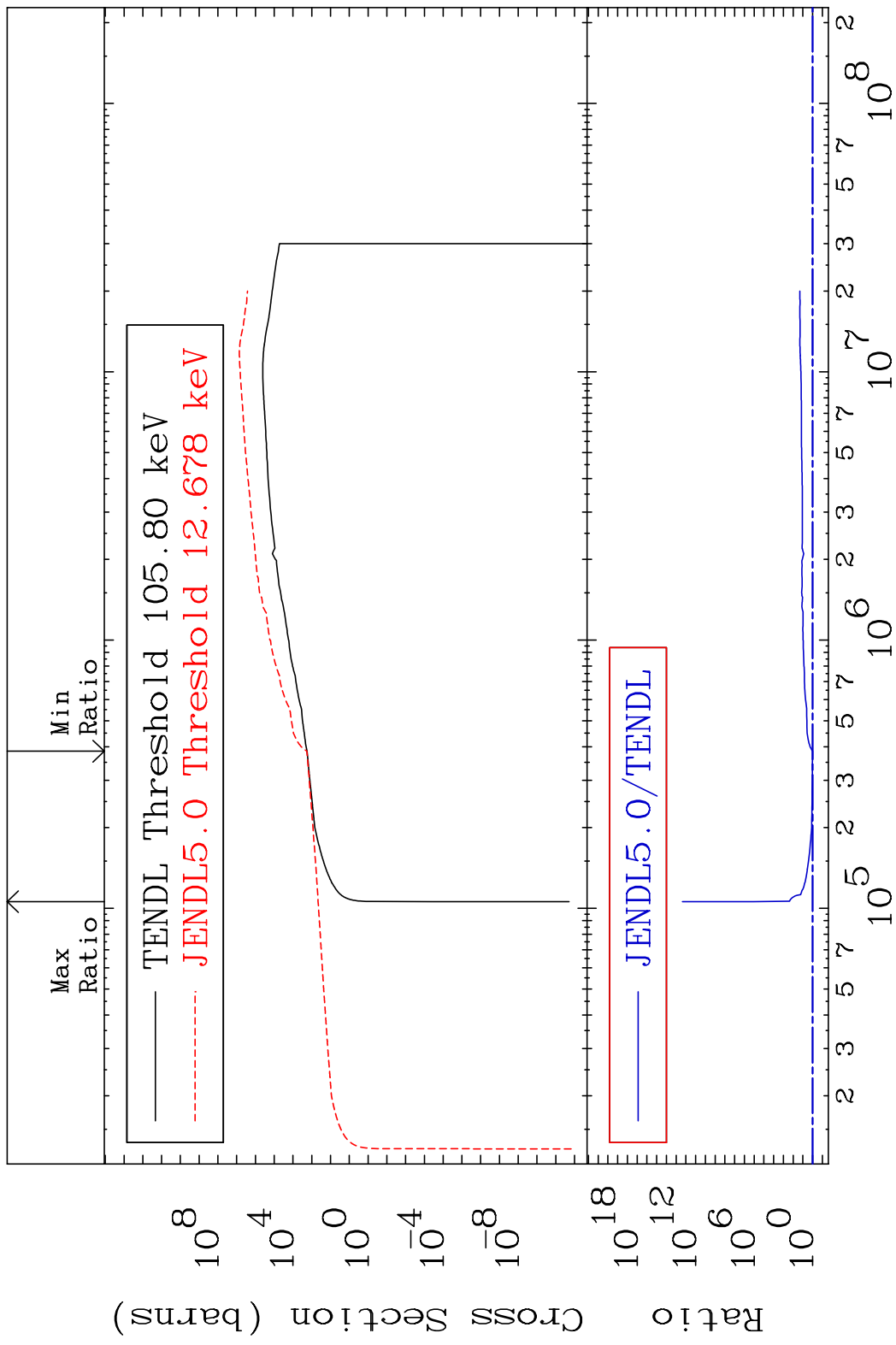


MAT 2125 Kerma non-elastic (all but mt2) 21-Sc-45  
 Cross Section 46.49 To 9999. %

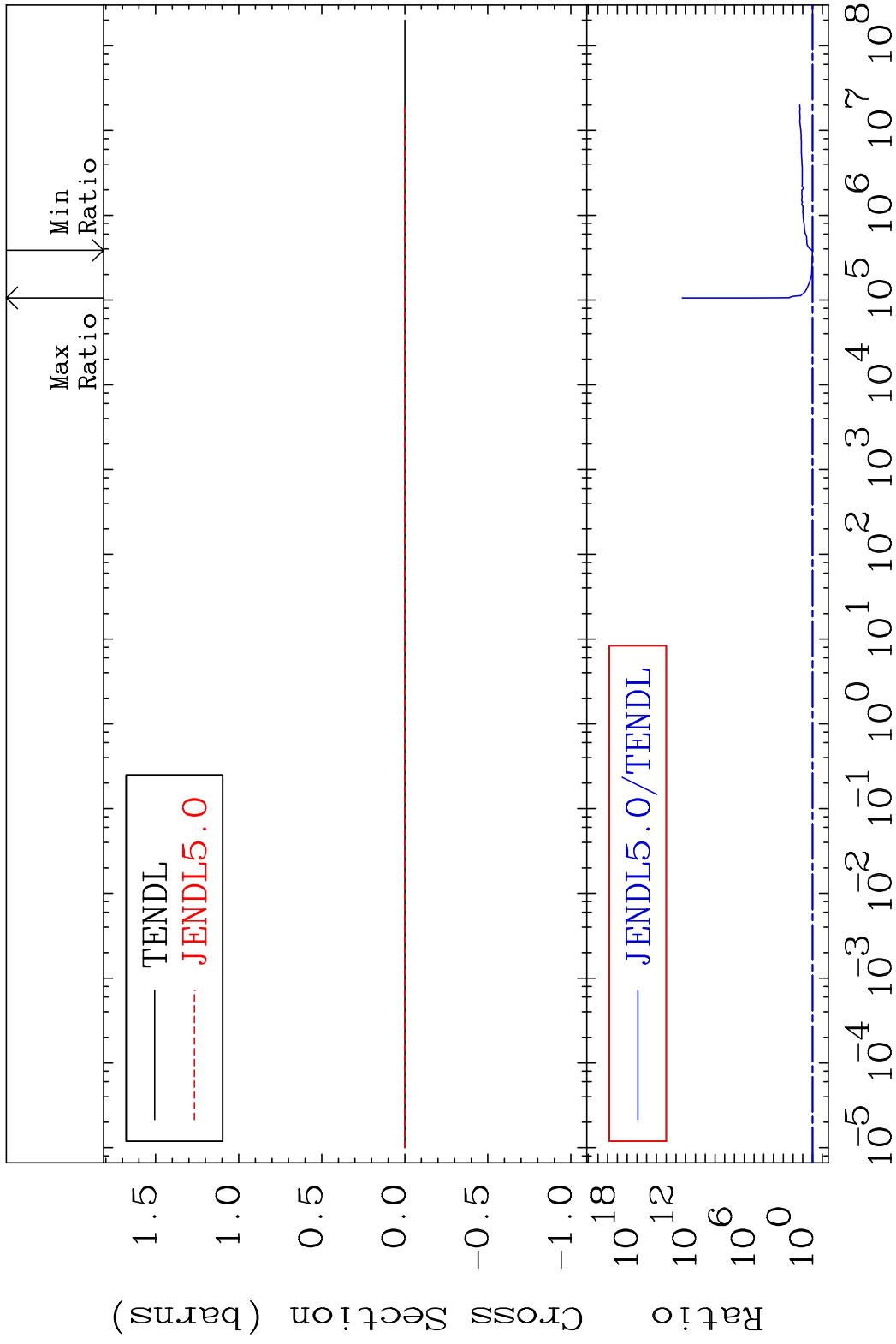


27 Incident Energy (eV) 21-Sc-45

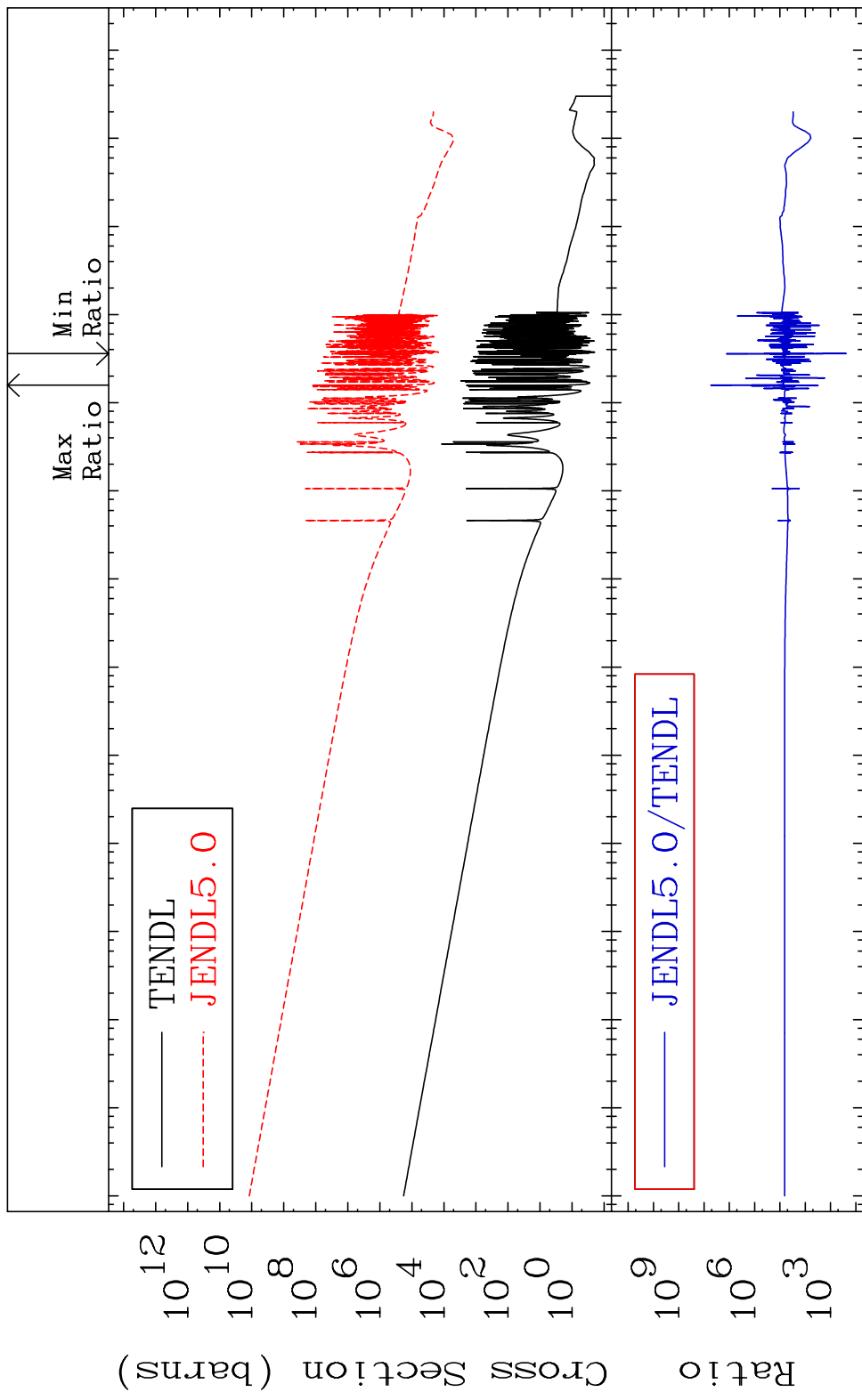
MAT 2125 Kerma inelastic (mt51-91) 21-Sc-45  
 Cross Section 1.515 To 9999. %



MAT 2125 Kerma fission (mt18 or mt19-20-21-38) 21-Sc-45  
 Cross Section 1.515 To 9999. %

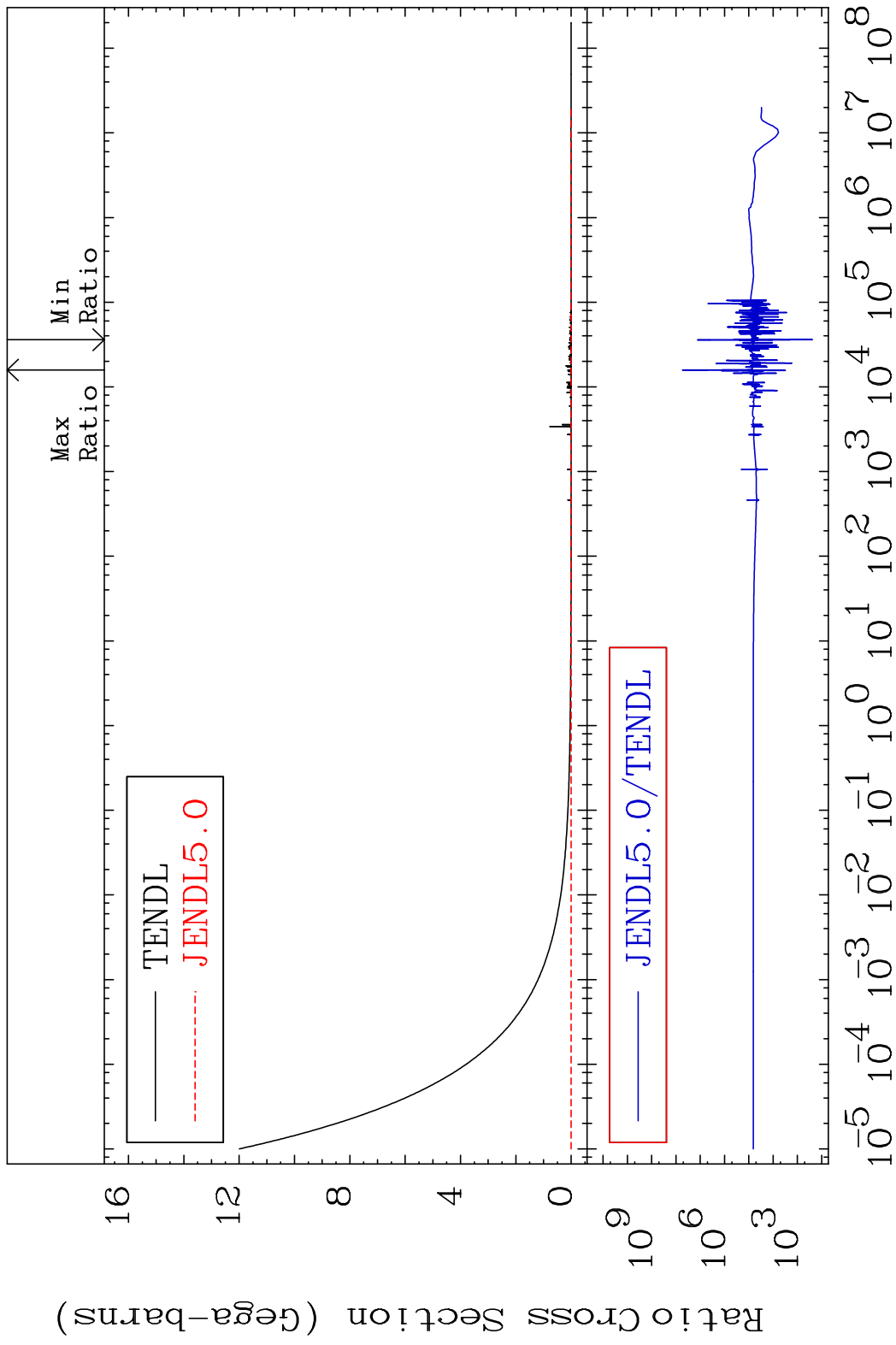


MAT 2125 Kerma capture (mt102) 21-Sc-45  
 Cross Section 9999. To 9999. %



30 Incident Energy (eV) 21-Sc-45

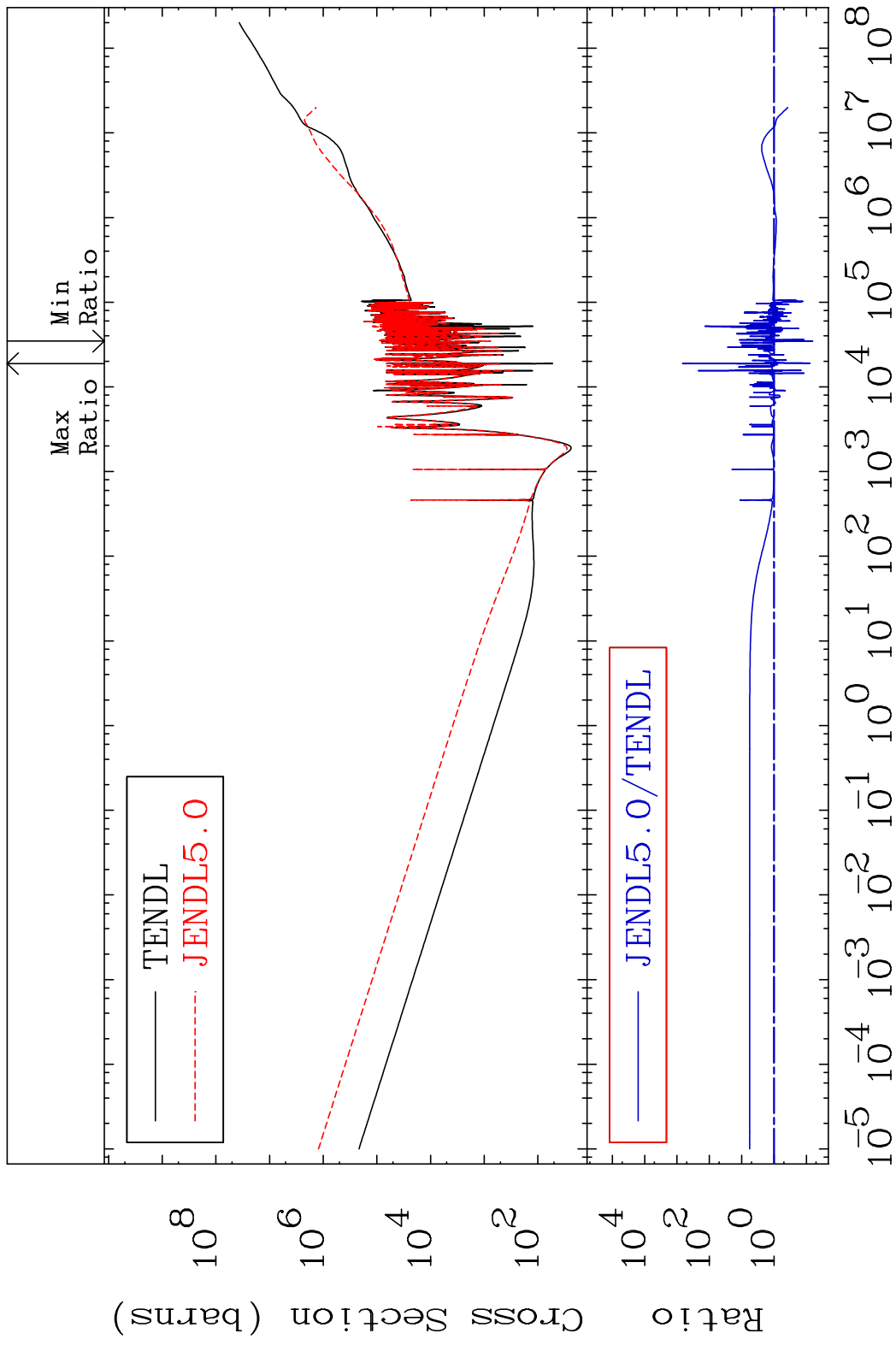
MAT 2125 Total photon (eV-barns) 21-Sc-45  
 Cross Section 9999. To 9999. %



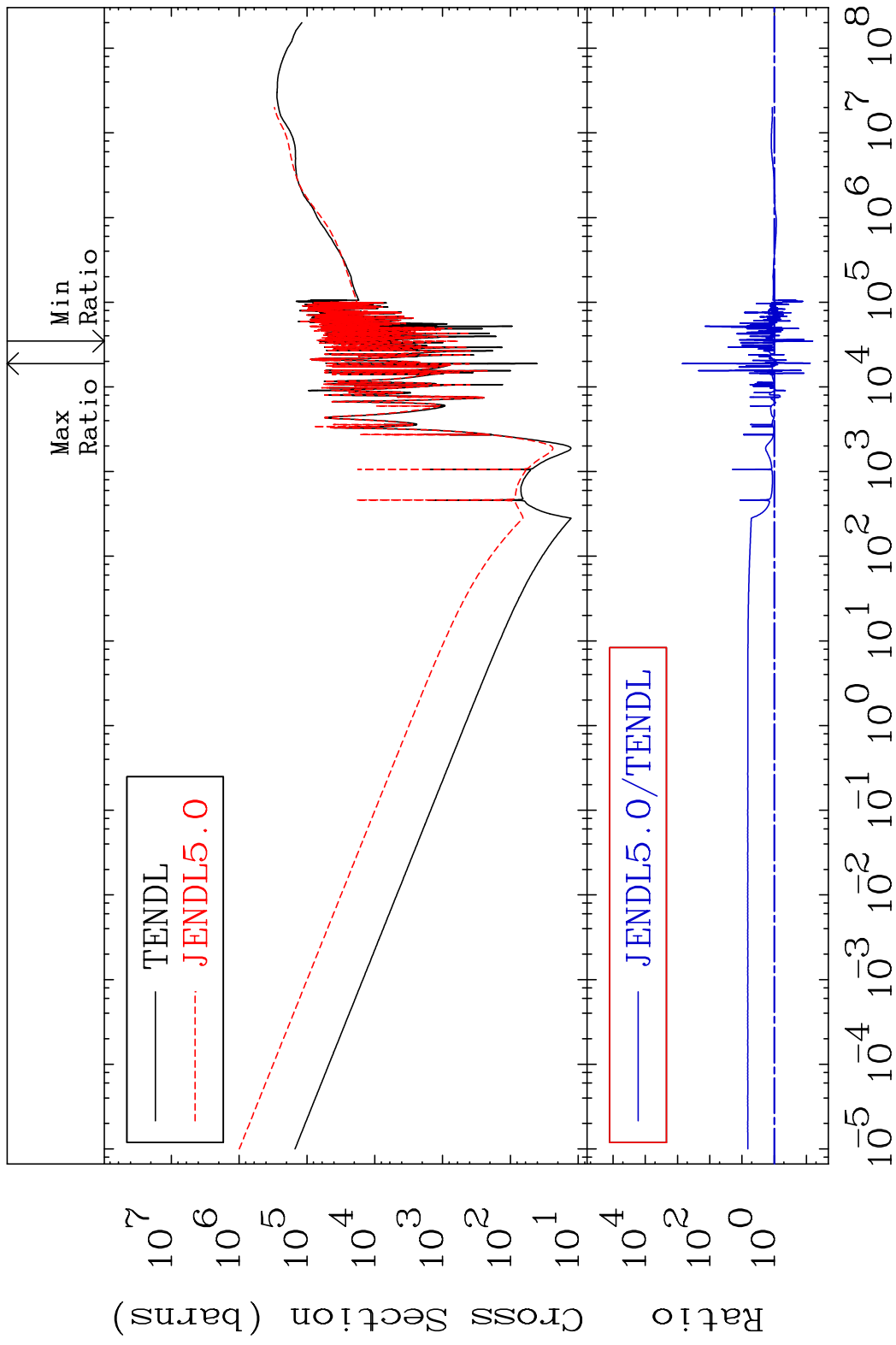
31 Incident Energy (eV) 21-Sc-45



MAT 2125 Total kinematic kerma (high limit) 21-Sc-45  
 Cross Section -93.56 To 9999. %

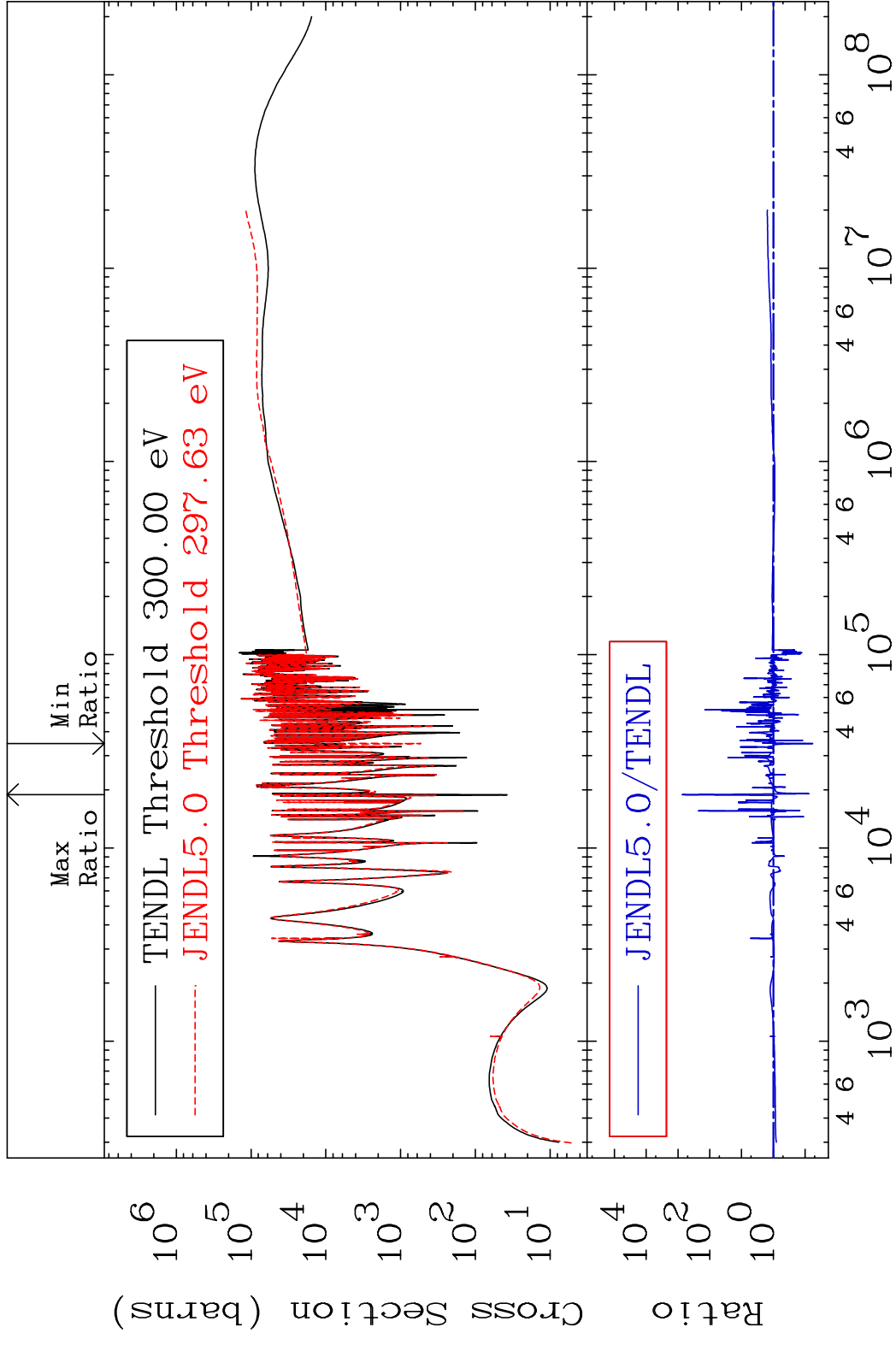


MAT 2125      Dpa total (eV-barns)      21-Sc-45  
 Cross Section      -93.55 To 9999. %

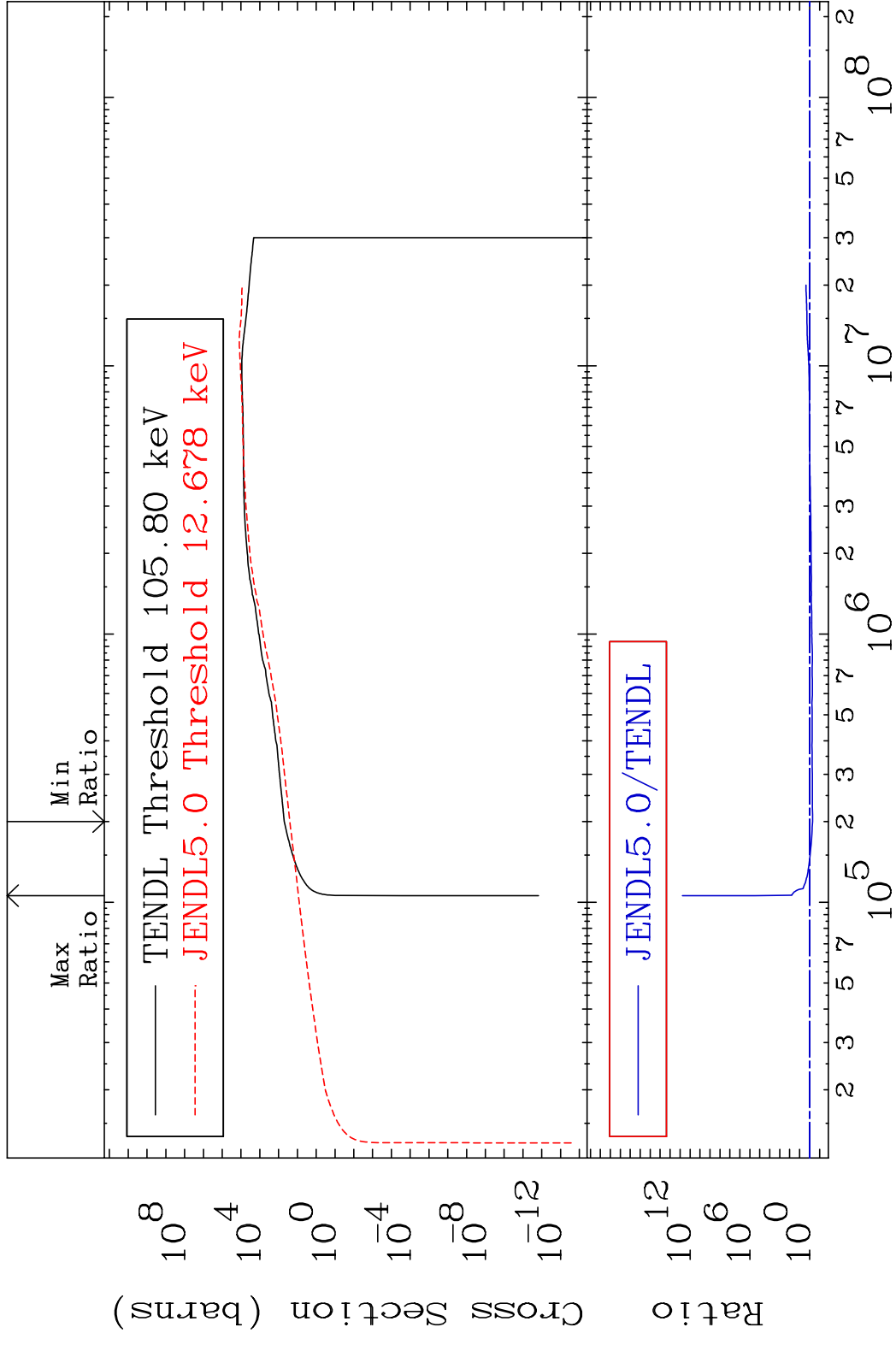


33      Incident Energy (eV)      21-Sc-45

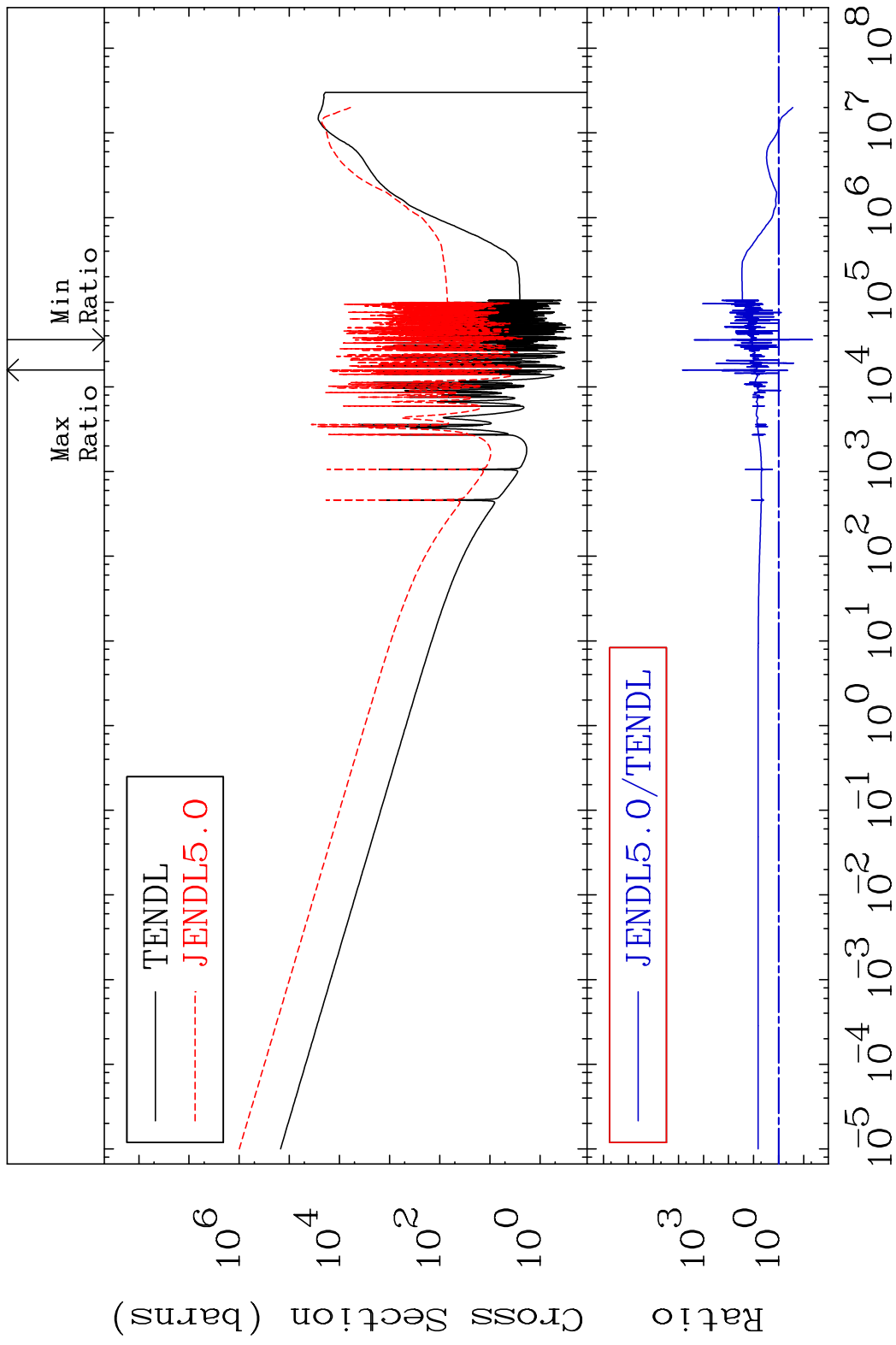
MAT 2125      Dpa elastic (mt2)      21-Sc-45  
 Cross Section      -94.16 To 9999. %

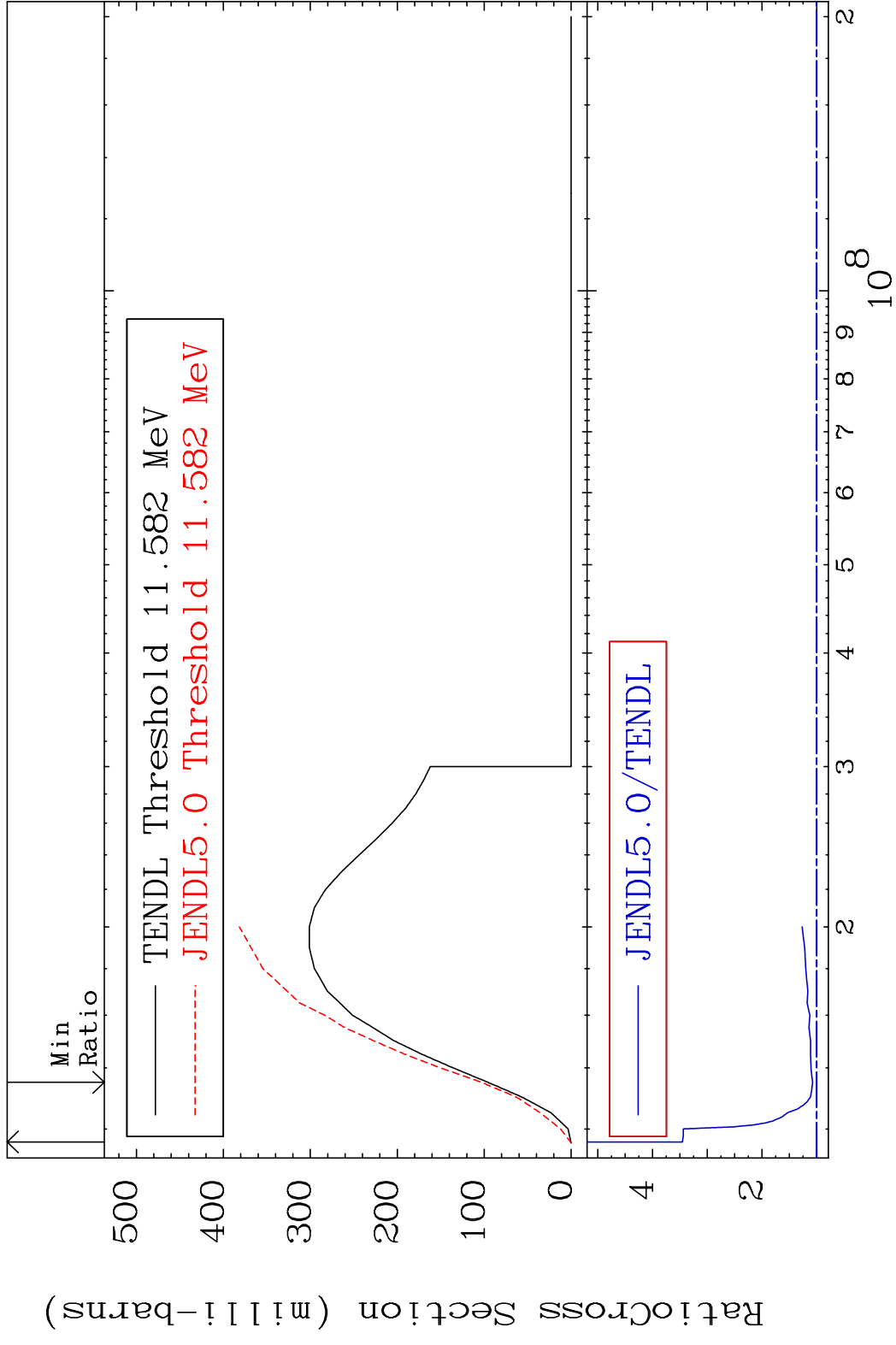


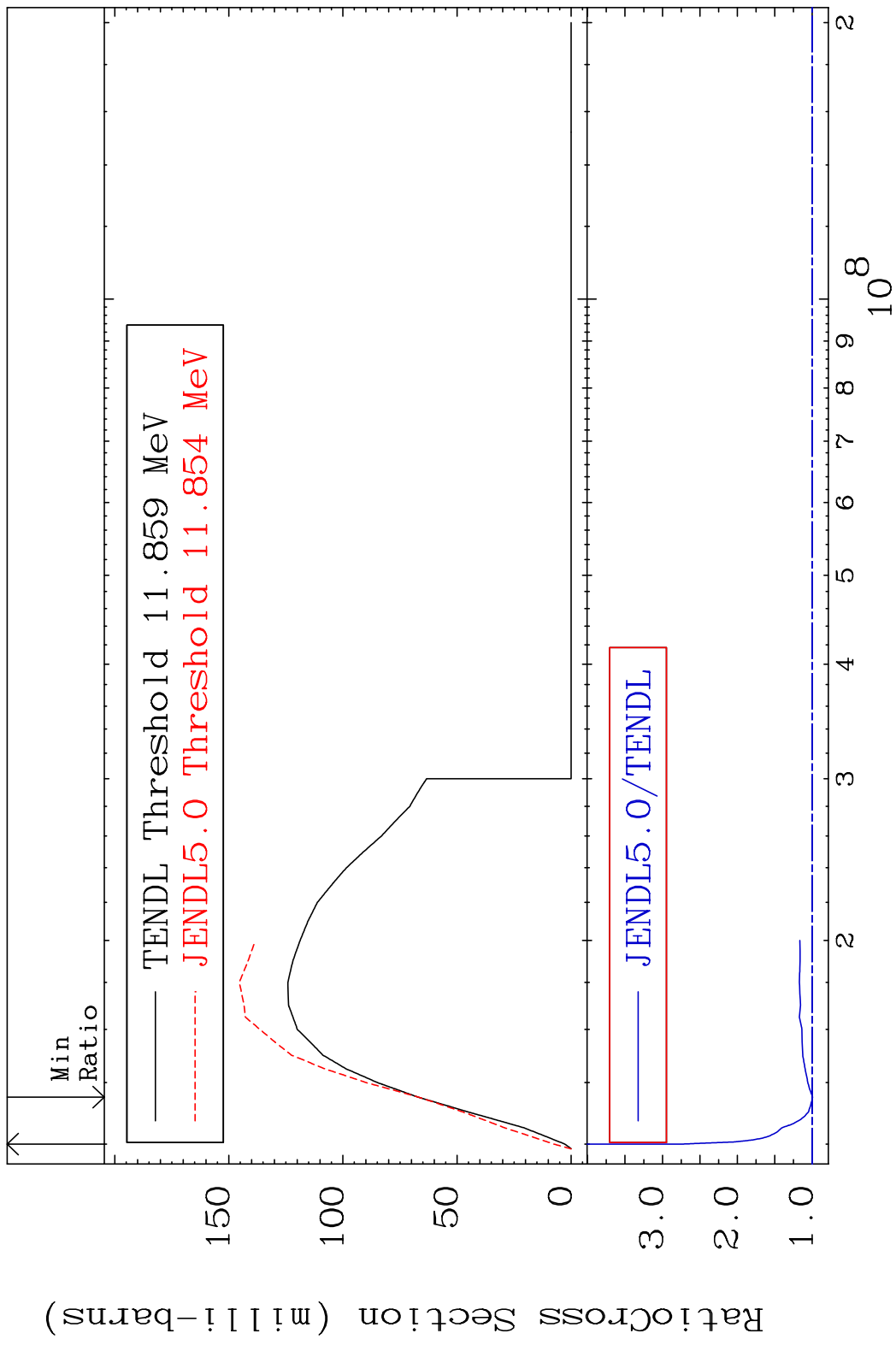
MAT 2125 Dpa inelastic (mt51-91) 21-Sc-45  
 Cross Section -49.48 To 9999. %



MAT 2125 Dpa disappearance (mt102 -120) 21-Sc-45  
 Cross Section -95.60 To 9999. %





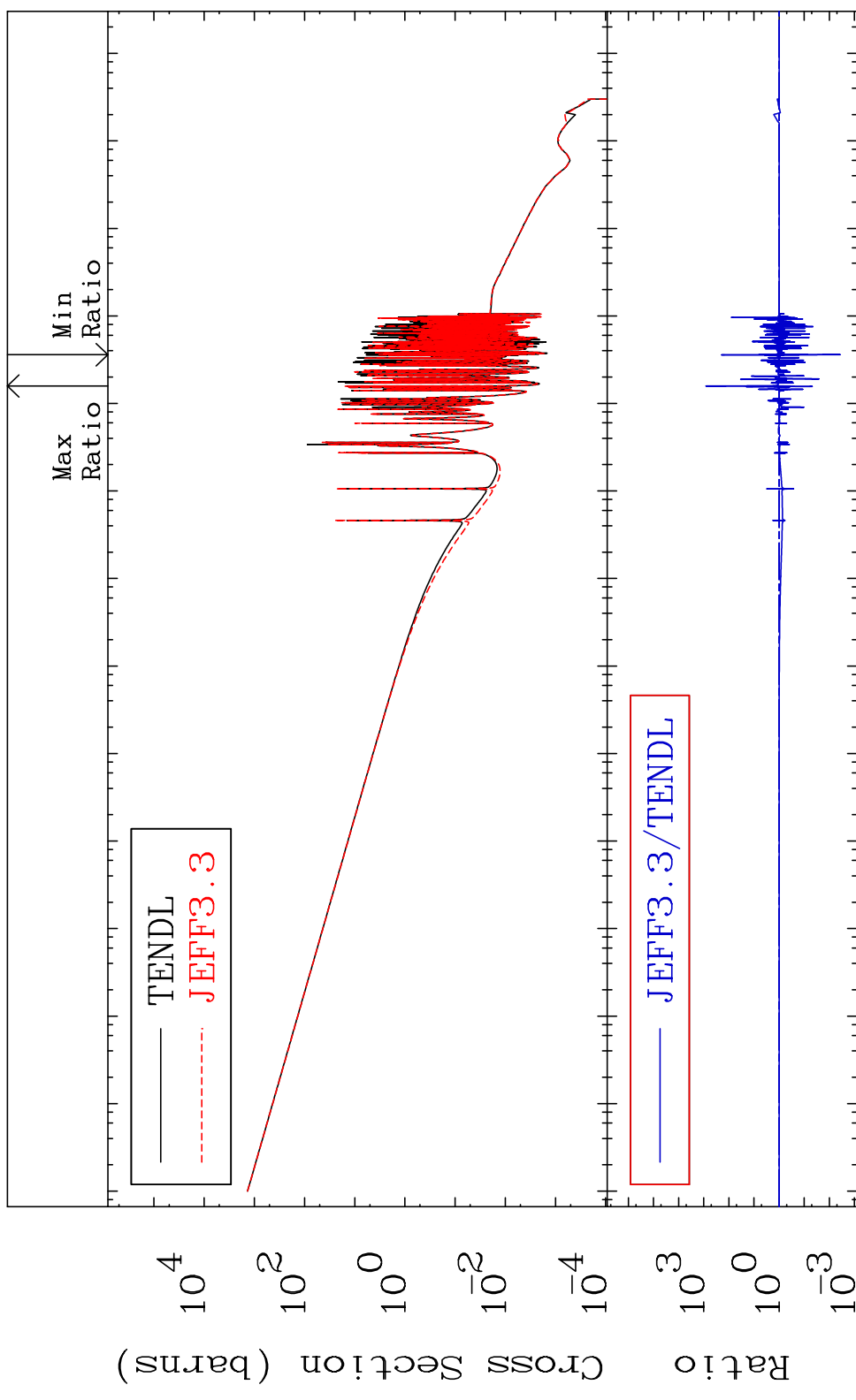


MAT 2125

(n,  $\gamma$ )

21-Sc-45

Cross Section -99.64 To 9999. %



39

Incident Energy (eV)

21-Sc-45

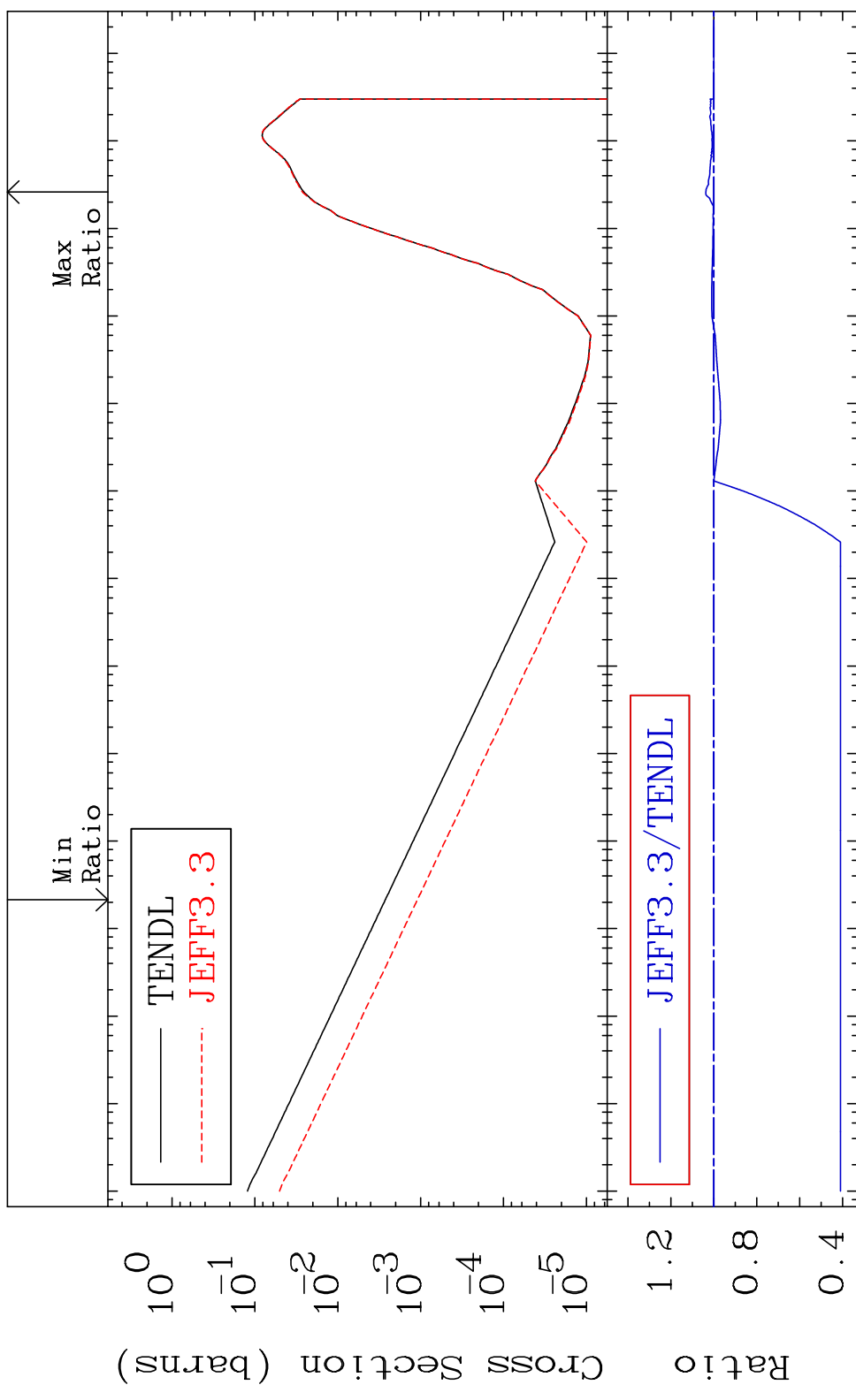


MAT 2125

(n, p)

21-Sc-45

Cross Section -58.94 To 3.763 %



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>-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>

40

Incident Energy (eV)

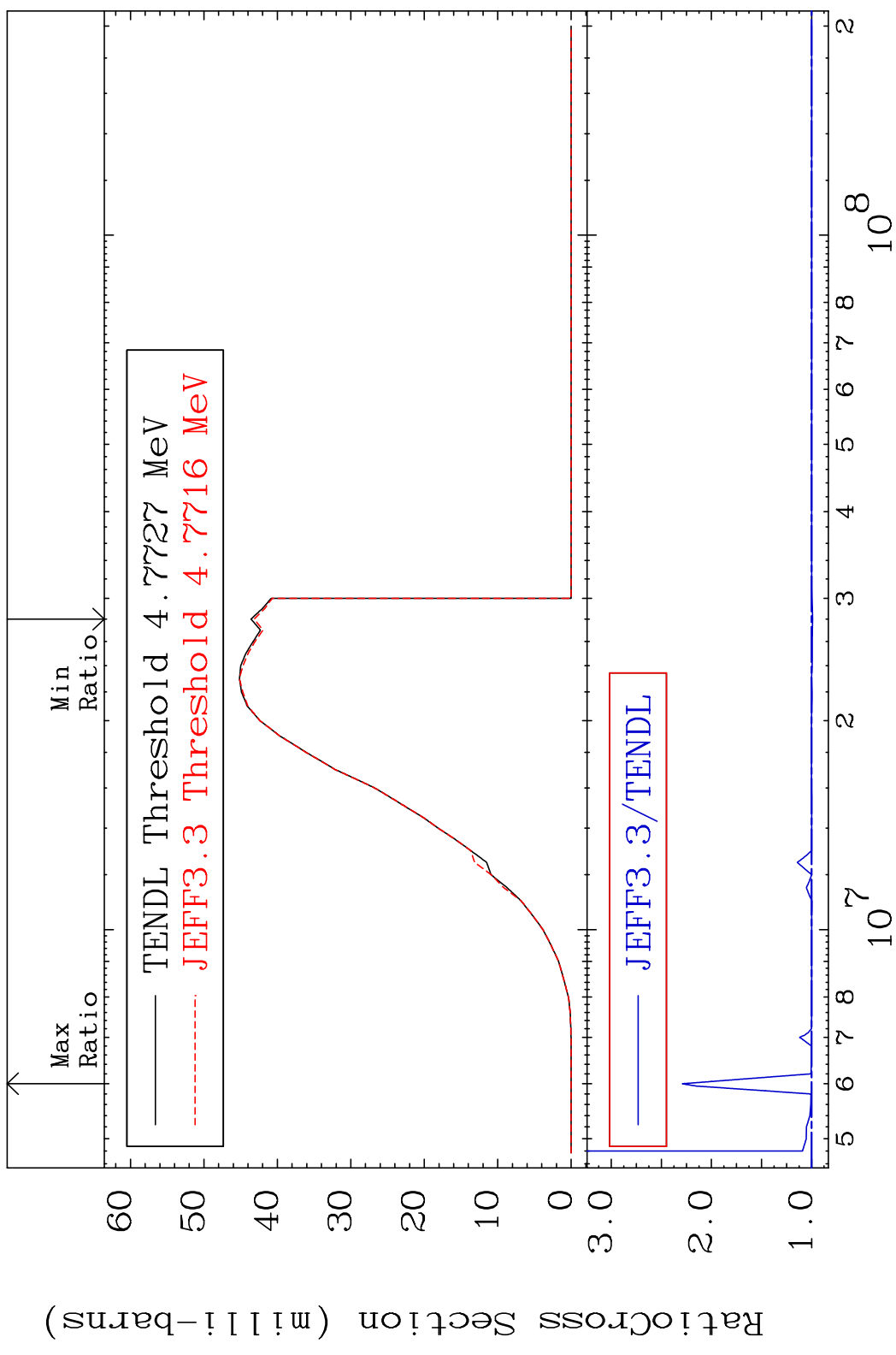
21-Sc-45

MAT 2125

(n, d)

<sup>21</sup>Sc-45

Cross Section -0.975 To 129.1 %

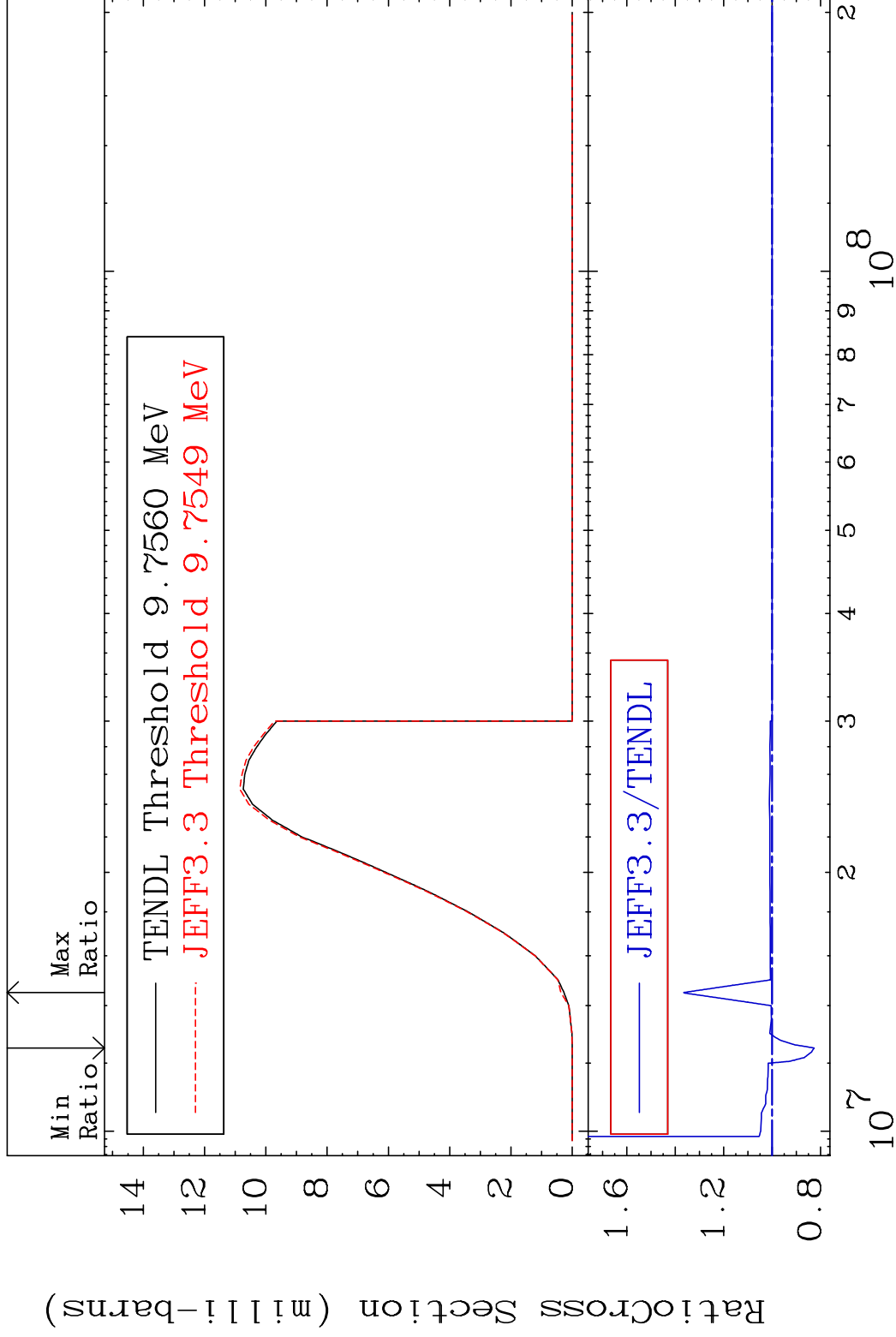


MAT 2125

(n, t)

21-Sc-45

Cross Section -17.32 To 36.54 %



42

Incident Energy (eV)

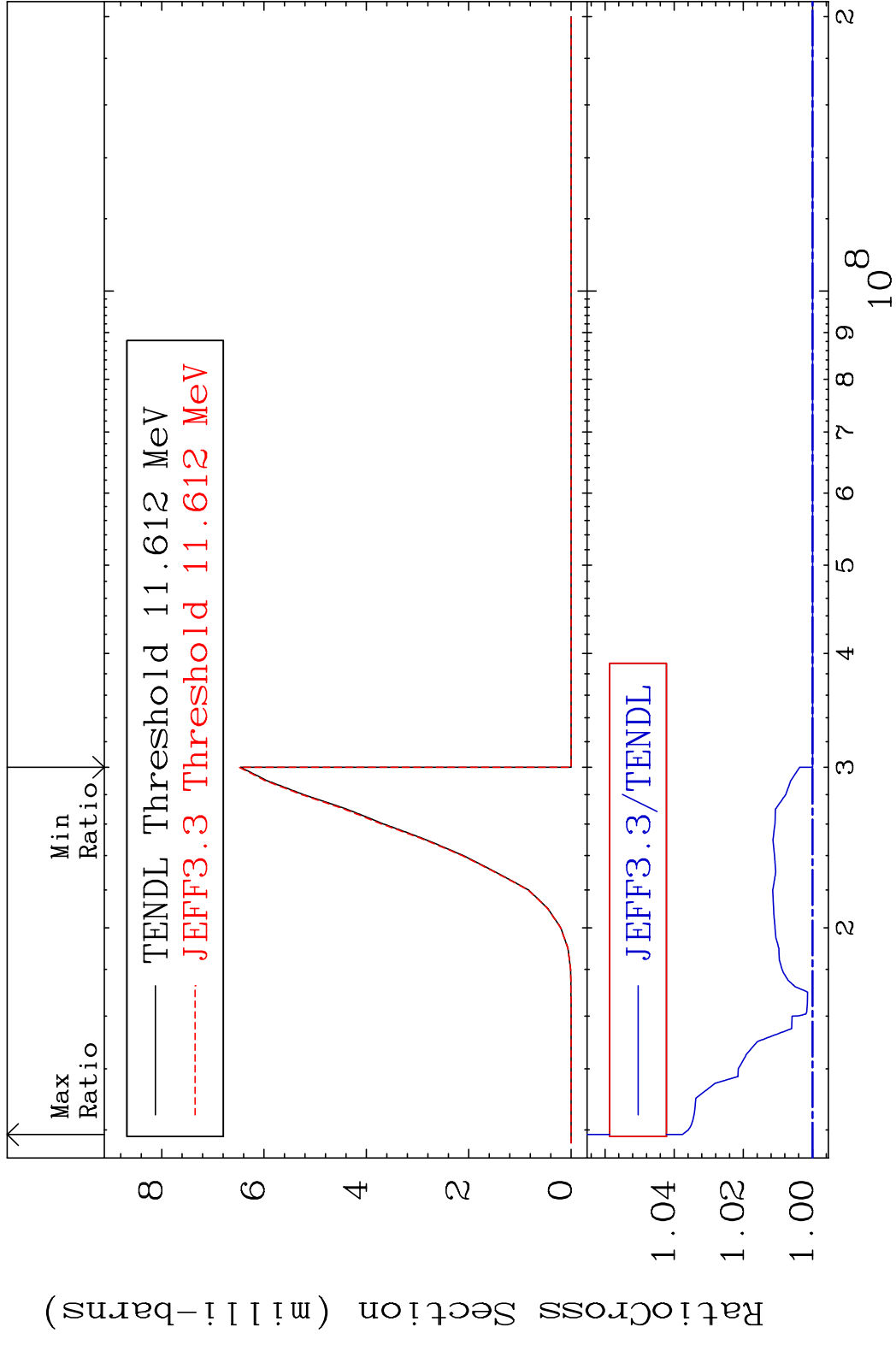
21-Sc-45

MAT 2125

(n, He-3)

21-Sc-45

Cross Section 0.000 To 3.764 %

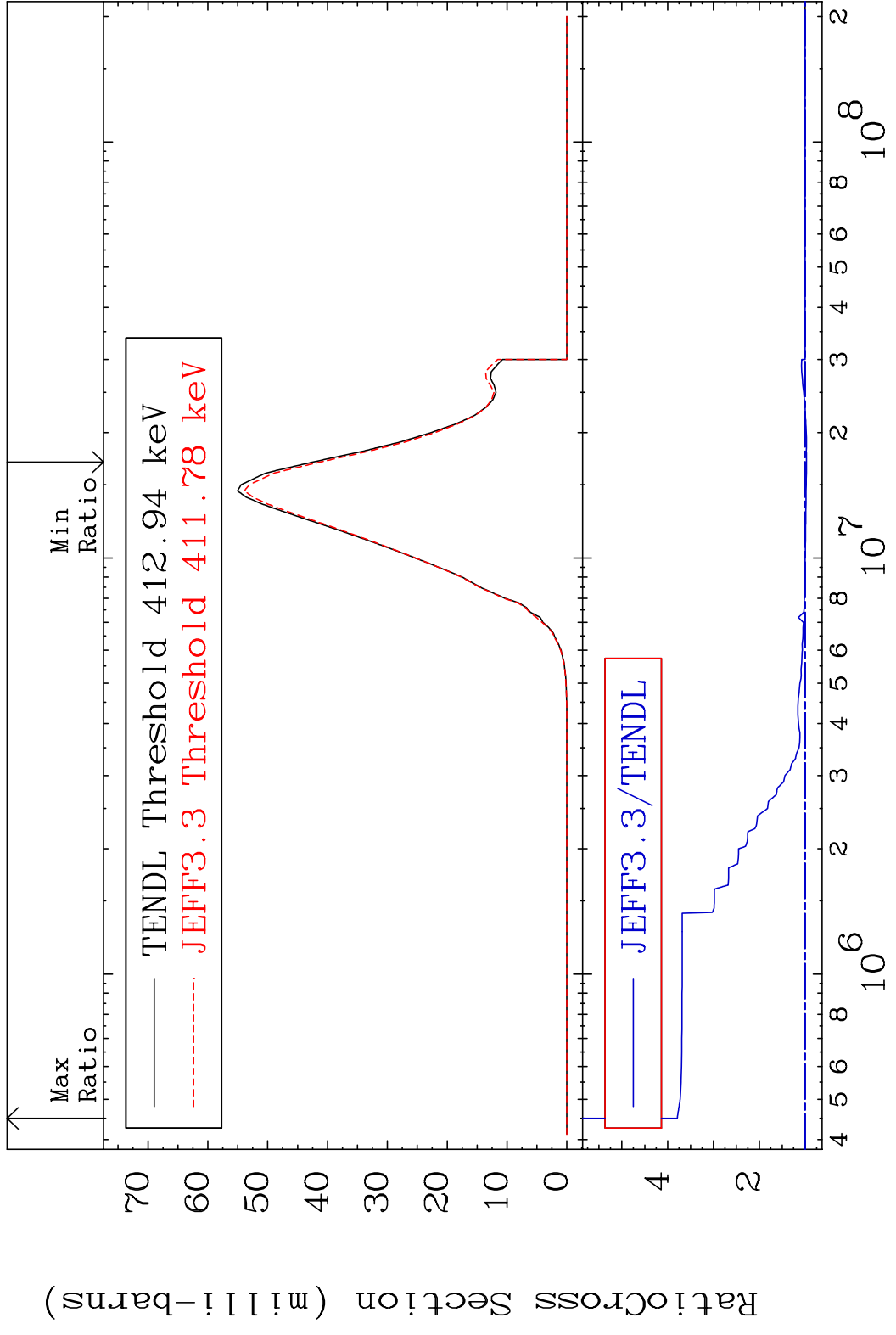


43

Incident Energy (eV)

21-Sc-45

MAT 2125  $(n, \alpha)$  21-Sc-45  
 Cross Section -2.877 To 279.2 %

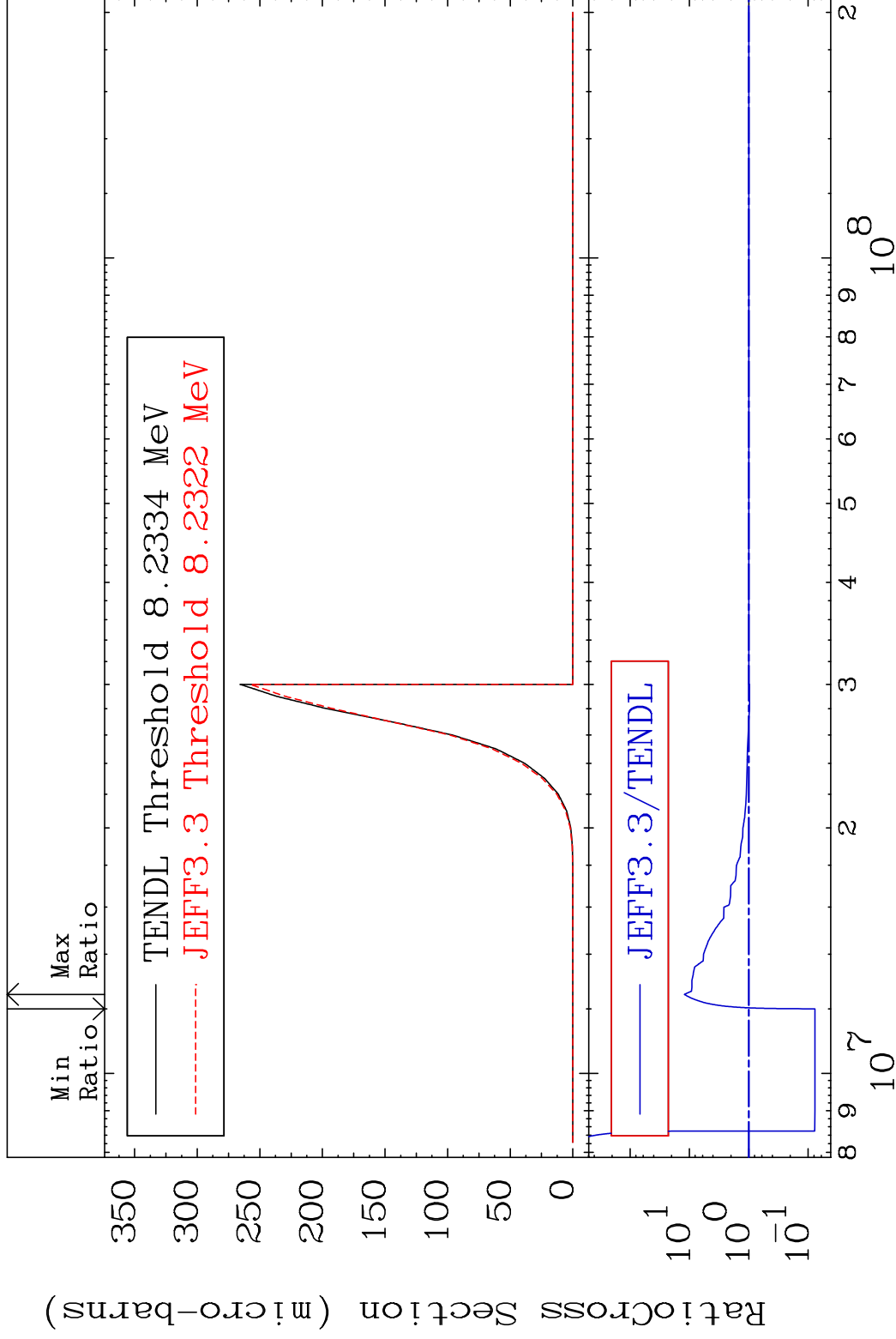


MAT 2125

(n,2α)

21-Sc-45

Cross Section -92.30 To 1119. %



45

Incident Energy (eV)

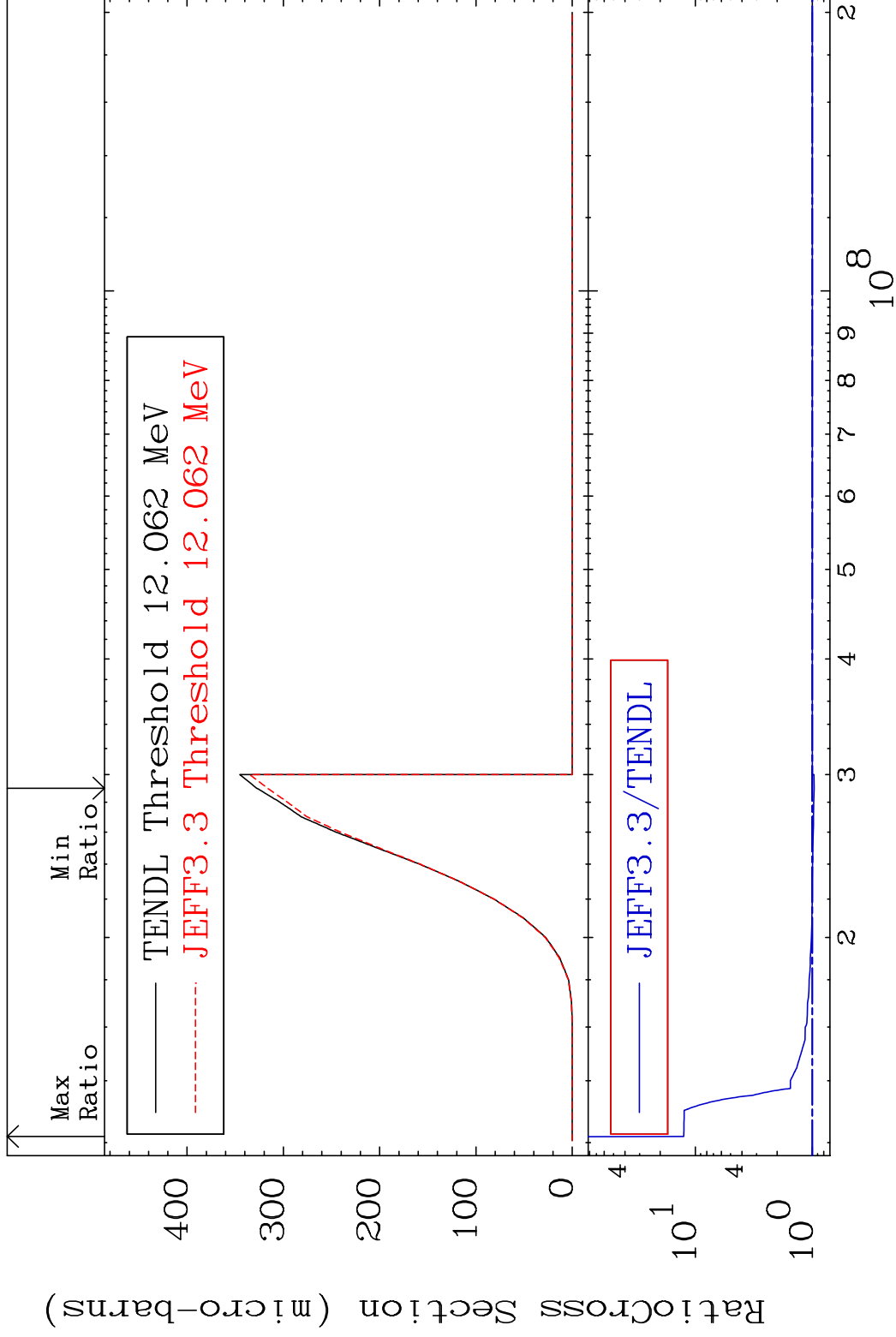
21-Sc-45

MAT 2125

(n,2p)

21-Sc-45

Cross Section -3.421 To 1158. %



46

Incident Energy (eV)

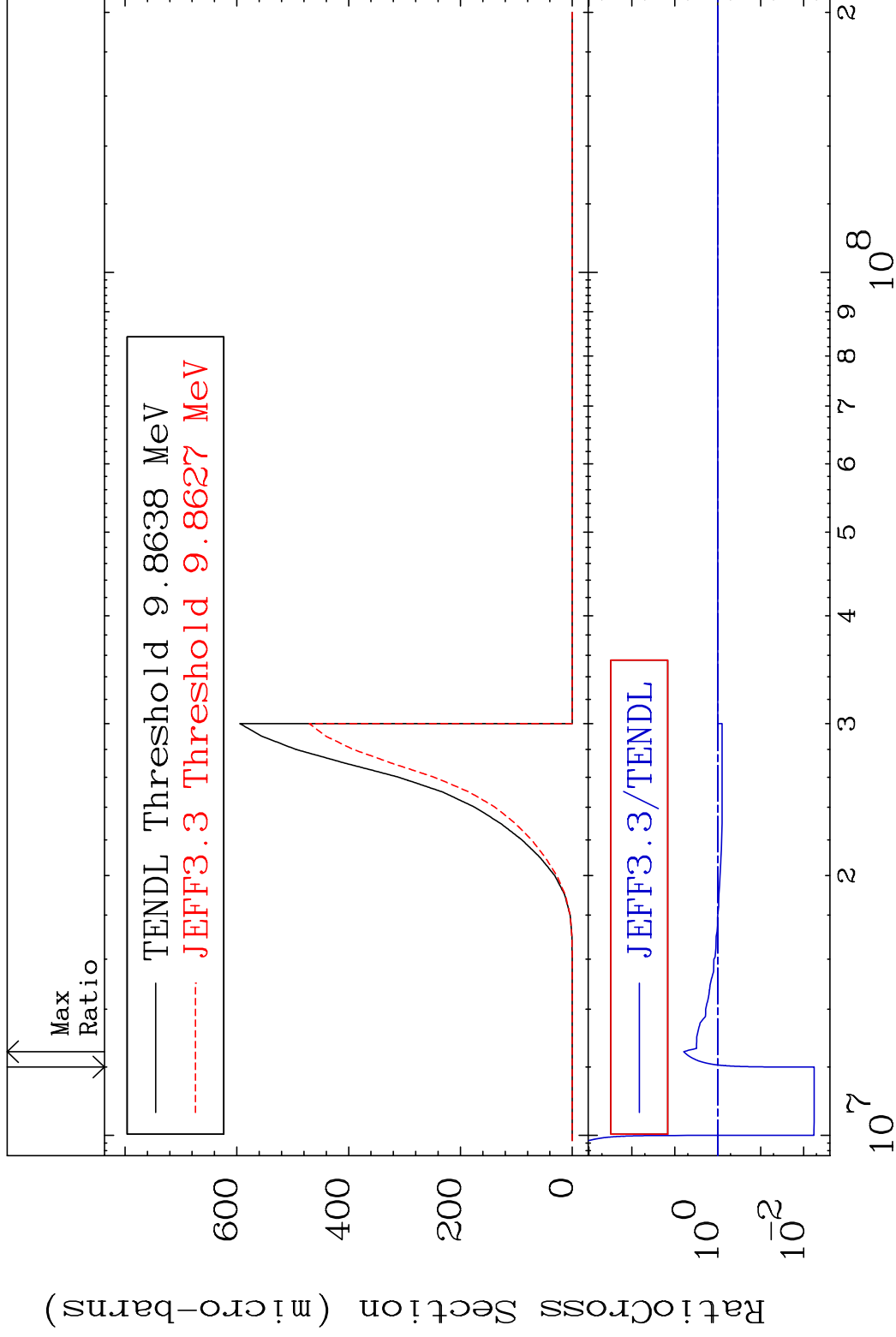
21-Sc-45

MAT 2125

(n,p)  $\alpha$

21-Sc-45

Cross Section -99.43 To 521.6 %



47

Incident Energy (eV)

21-Sc-45

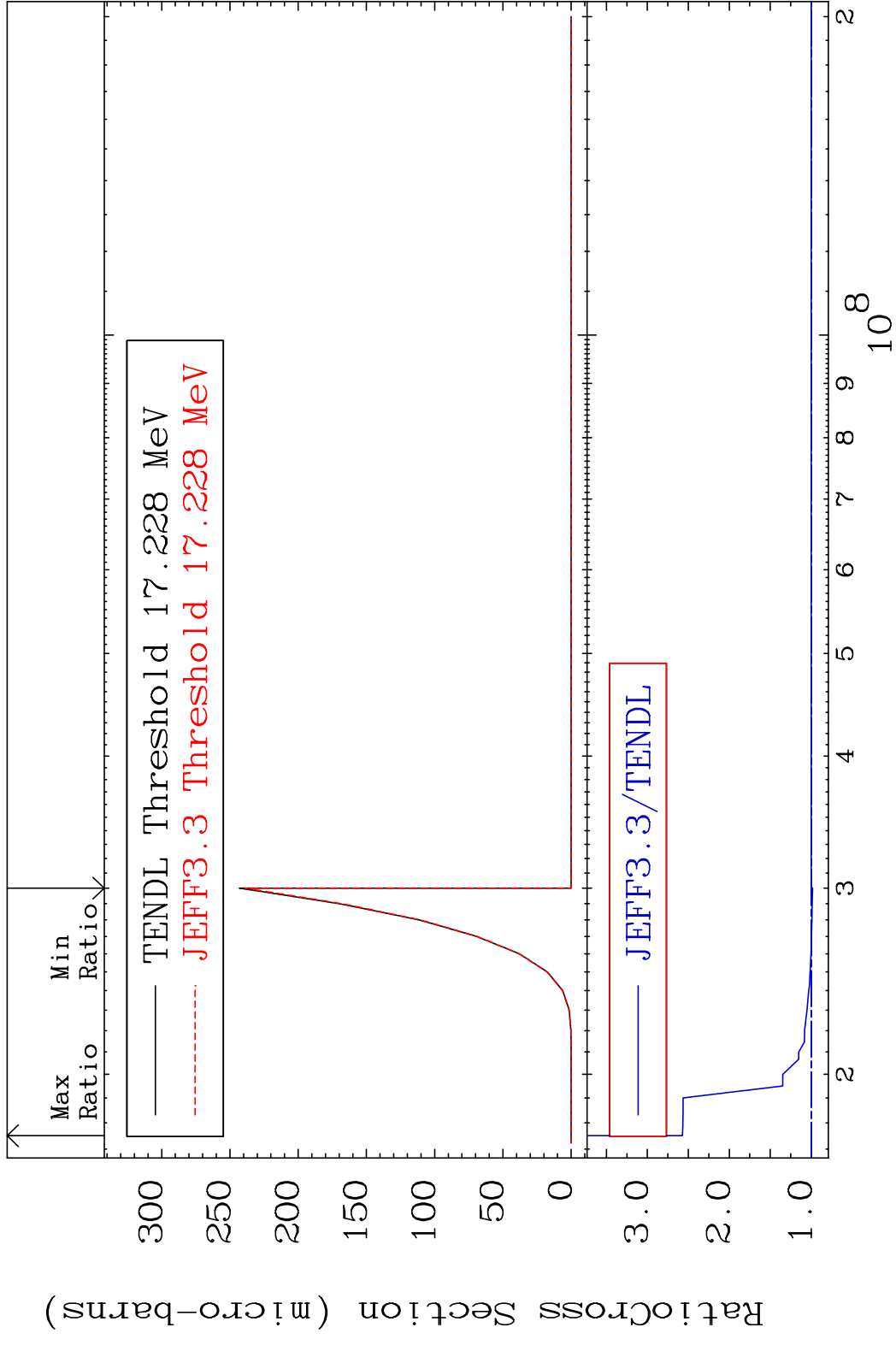


MAT 2125

(n,p) d

21-Sc-45

Cross Section -1.645 To 157.3 %



48

Incident Energy (eV)

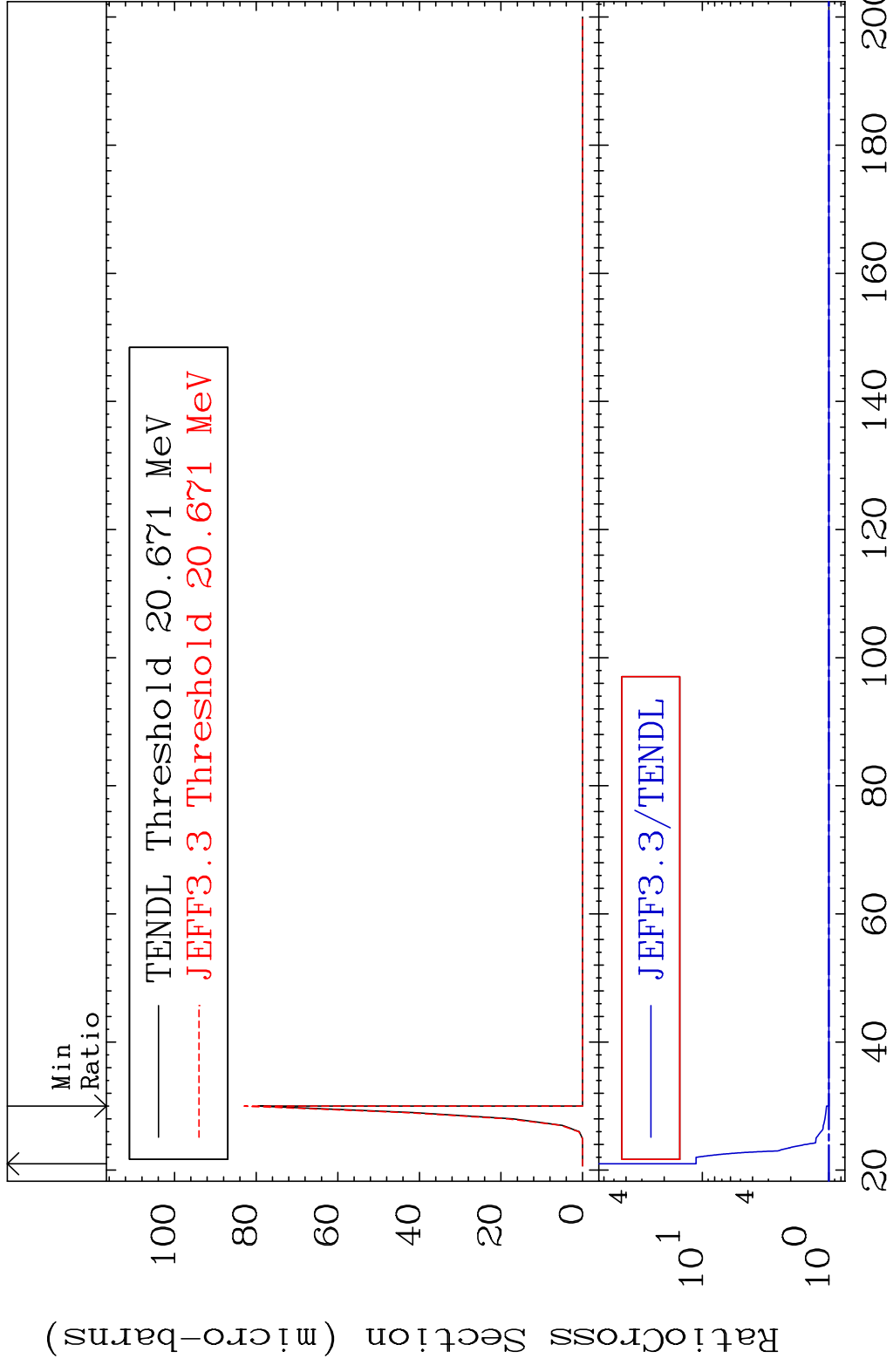
21-Sc-45

MAT 2125

(n,p) t

21-Sc-45

Cross Section 0.000 To 1021. %



49

Incident Energy (MeV)

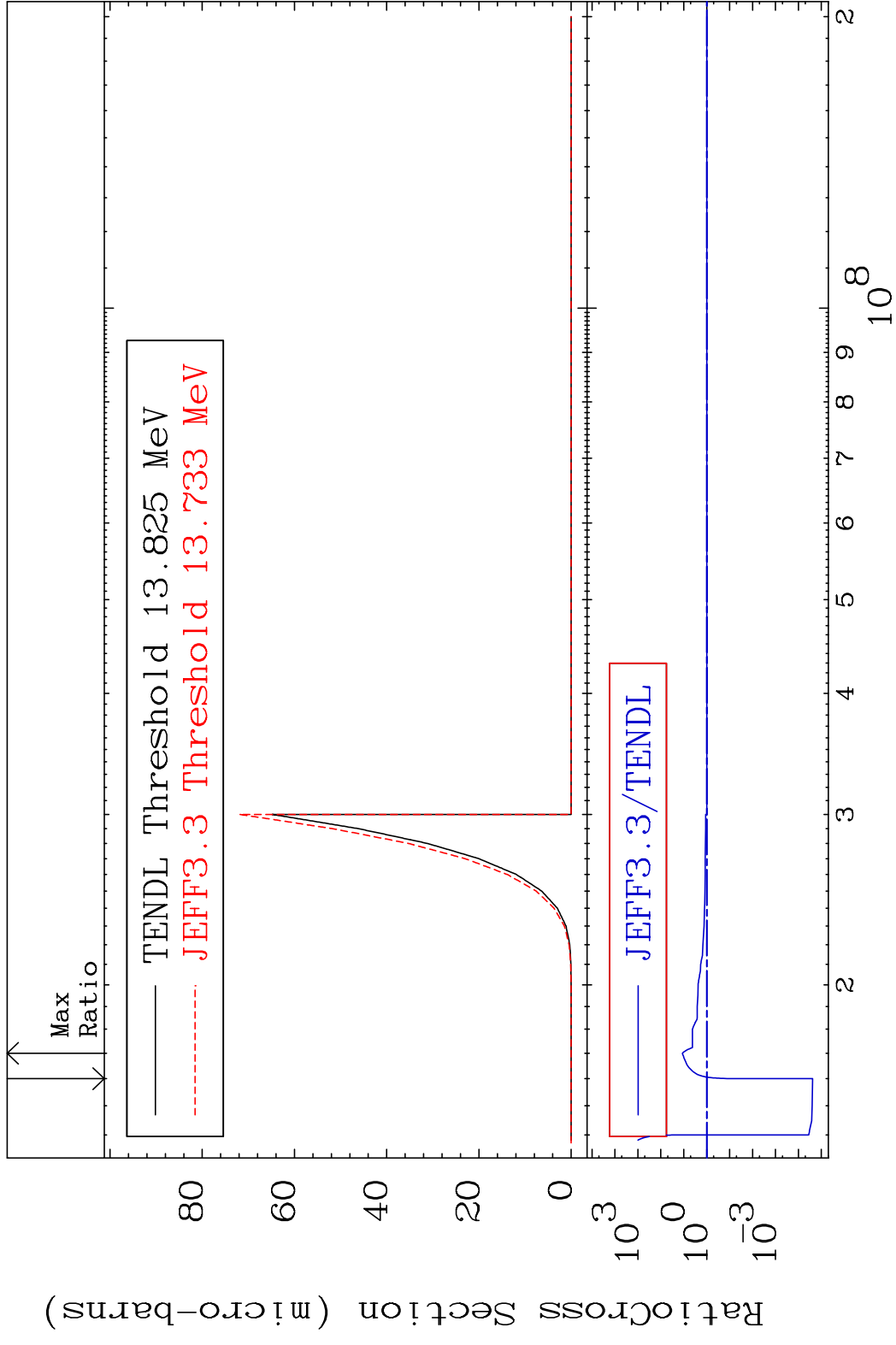
21-Sc-45

MAT 2125

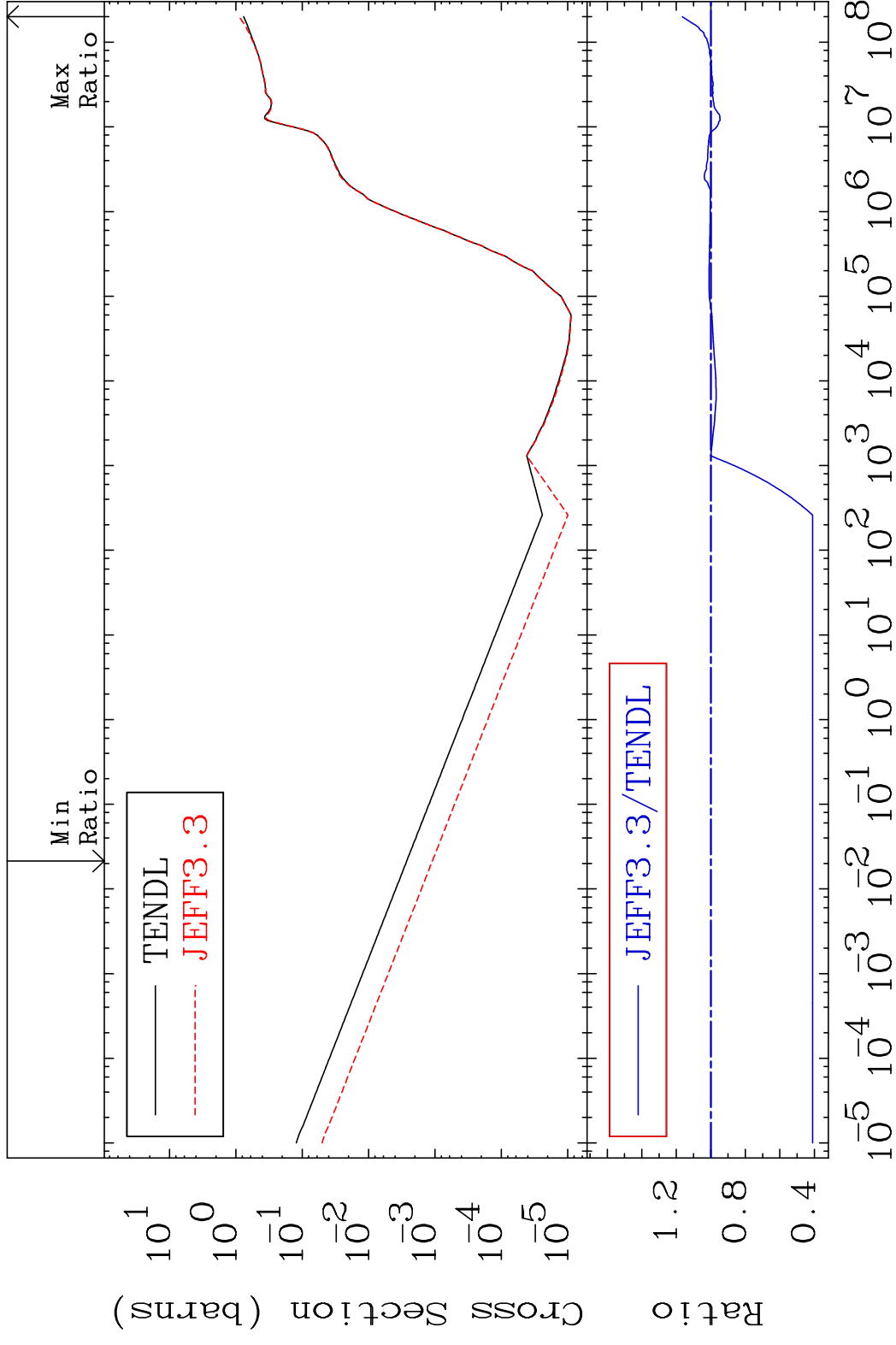
(n,d)  $\alpha$

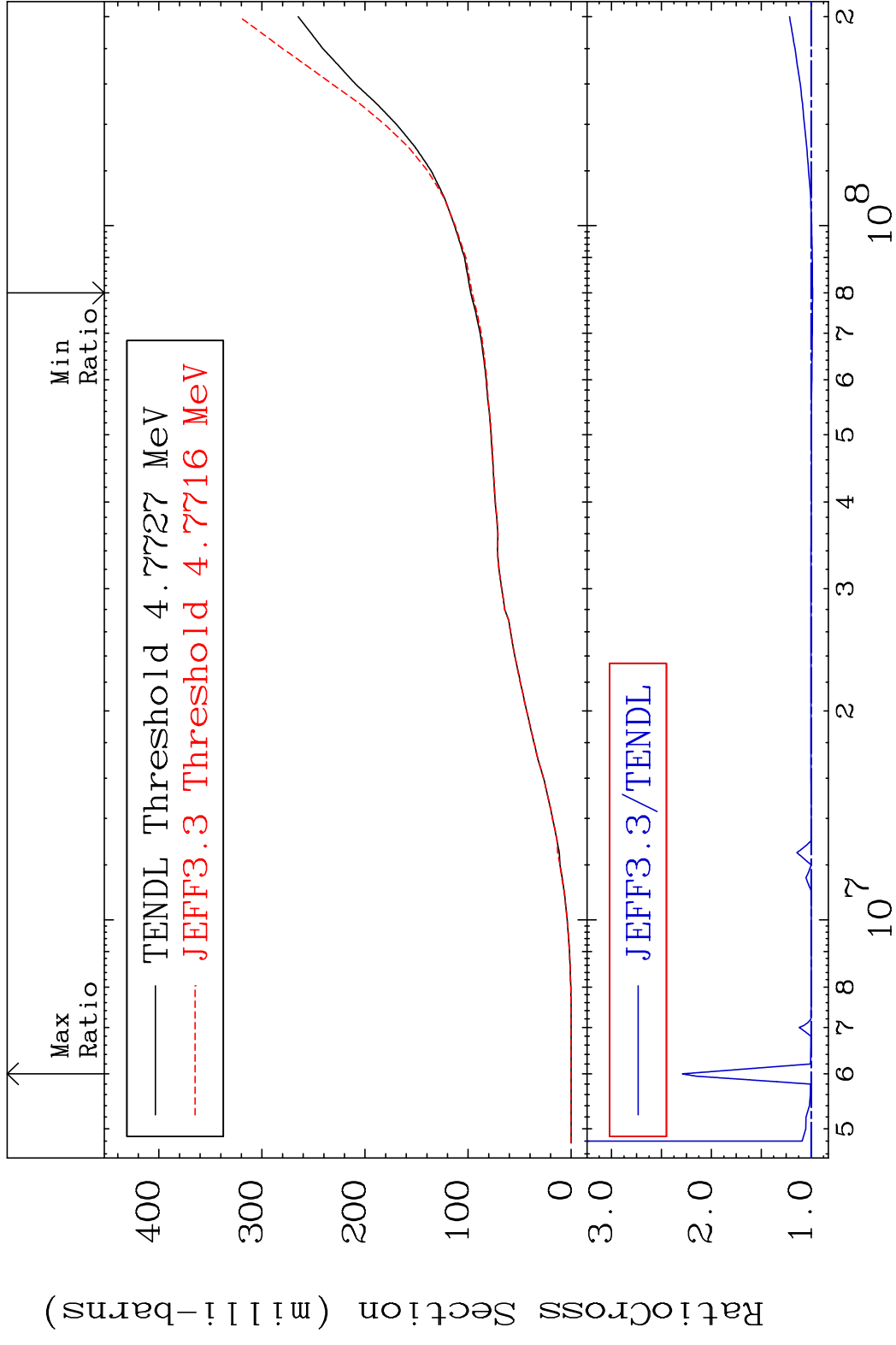
21-Sc-45

Cross Section -100.0 To 1050. %



MAT 2125 Hydrogen Production 21-Sc-45  
 Cross Section -58.94 To 16.50 %



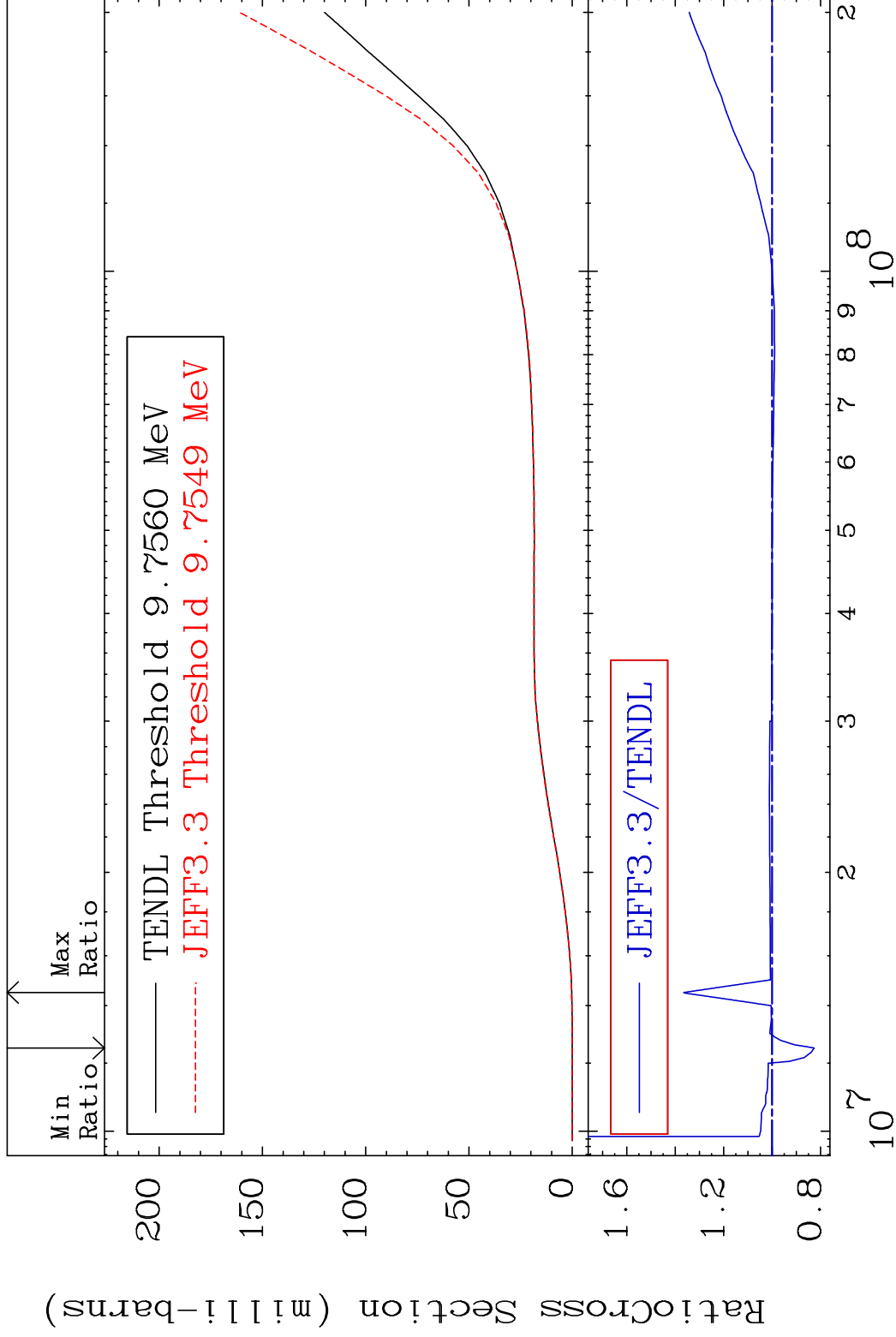


MAT 2125

Tritium Production

21-Sc-45

Cross Section -17.32 To 36.54 %



53

Incident Energy (eV)

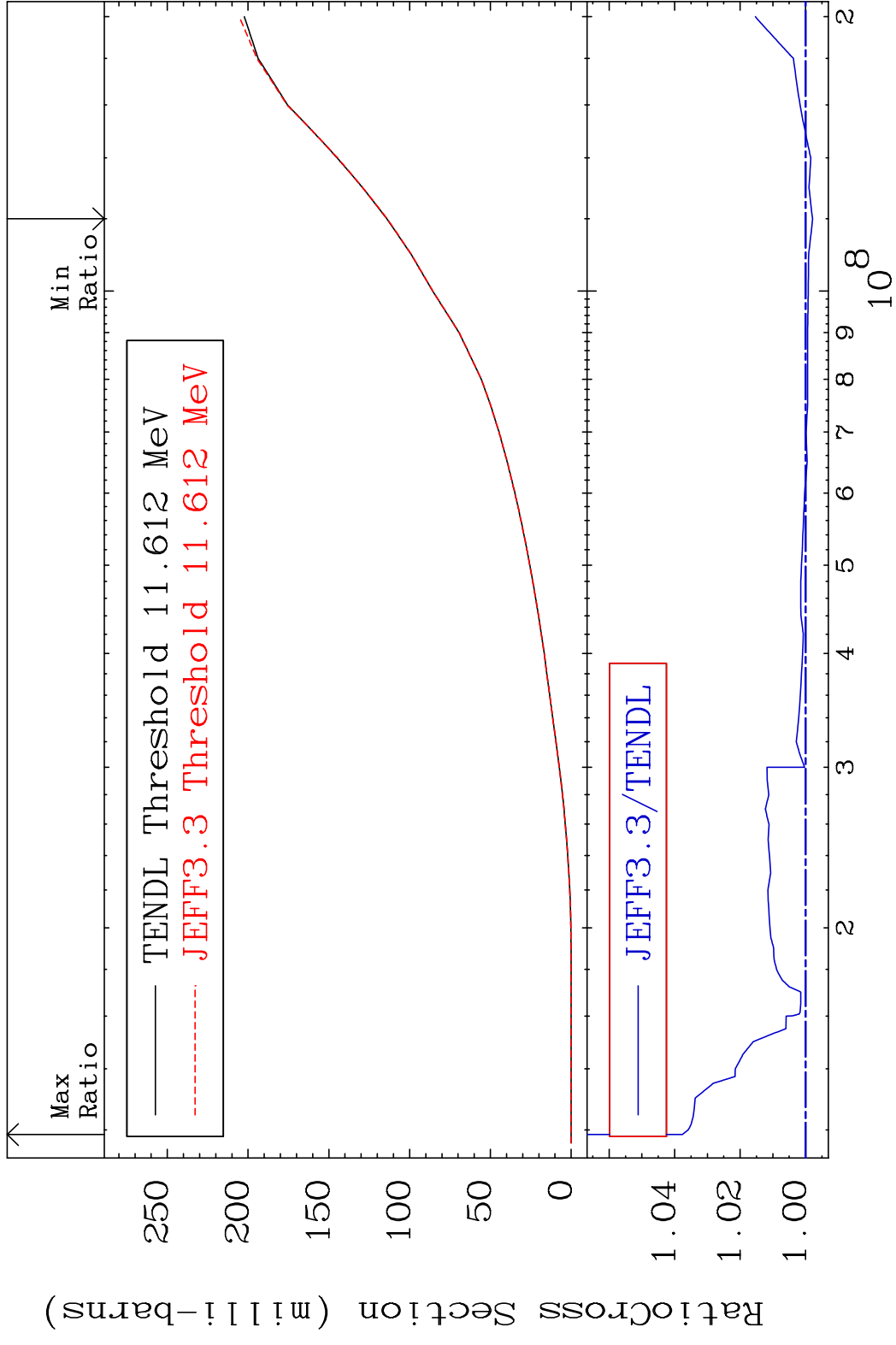
21-Sc-45

MAT 2125

He-3 Production

21-Sc-45

Cross Section -0.213 To 3.764 %

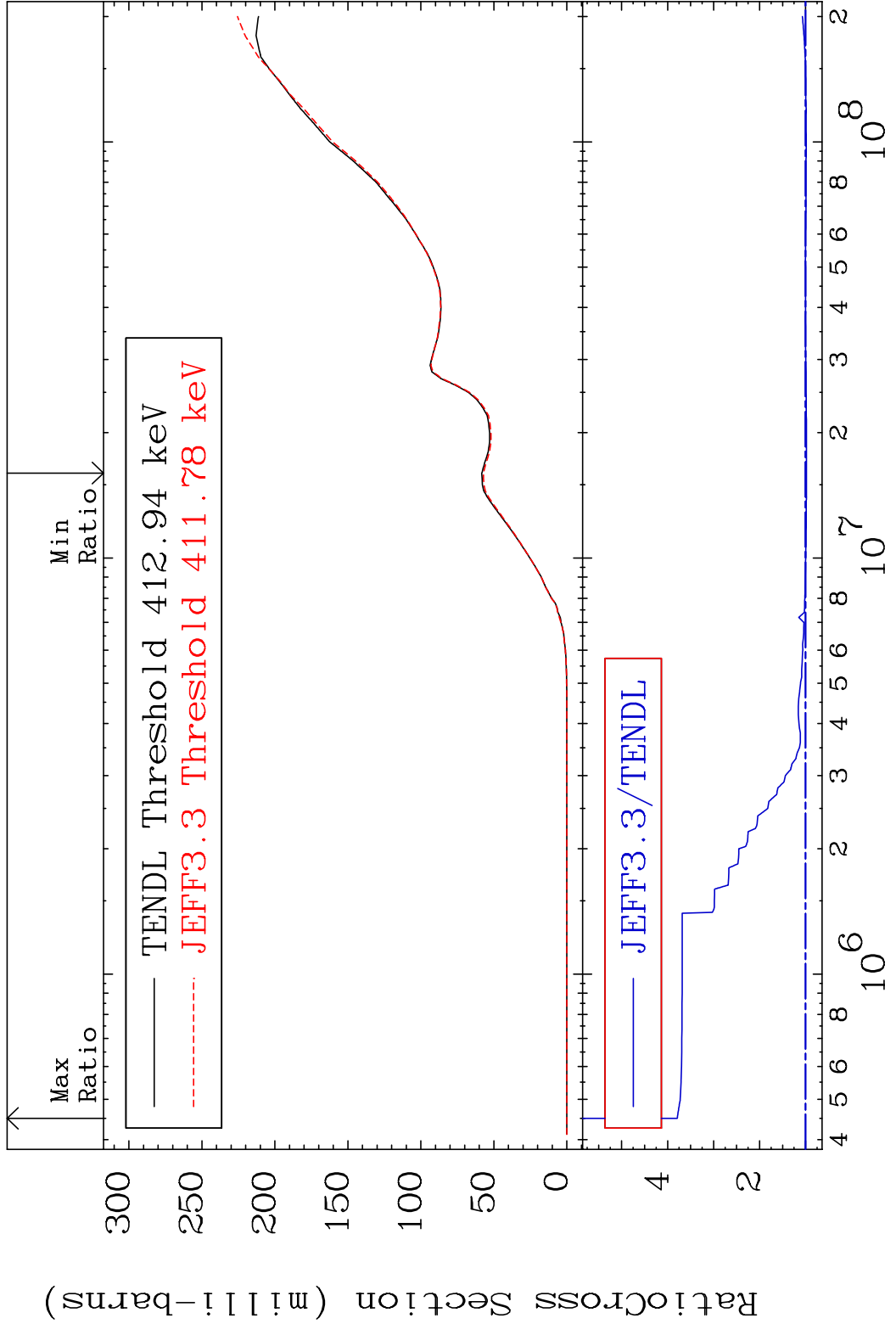


MAT 2125

He-4 Production

21-Sc-45

Cross Section -1.779 To 279.2 %



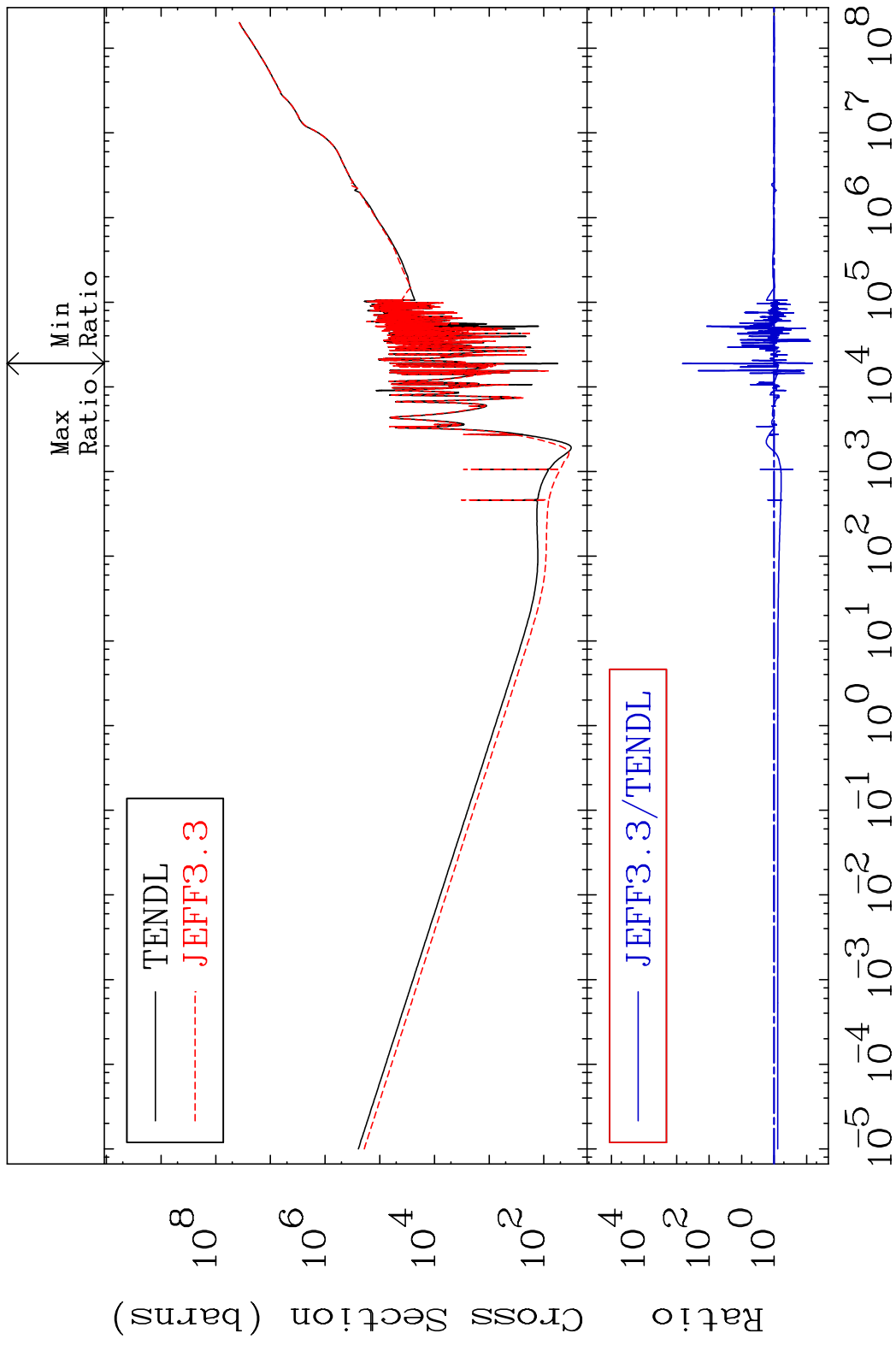
55

Incident Energy (eV)

21-Sc-45



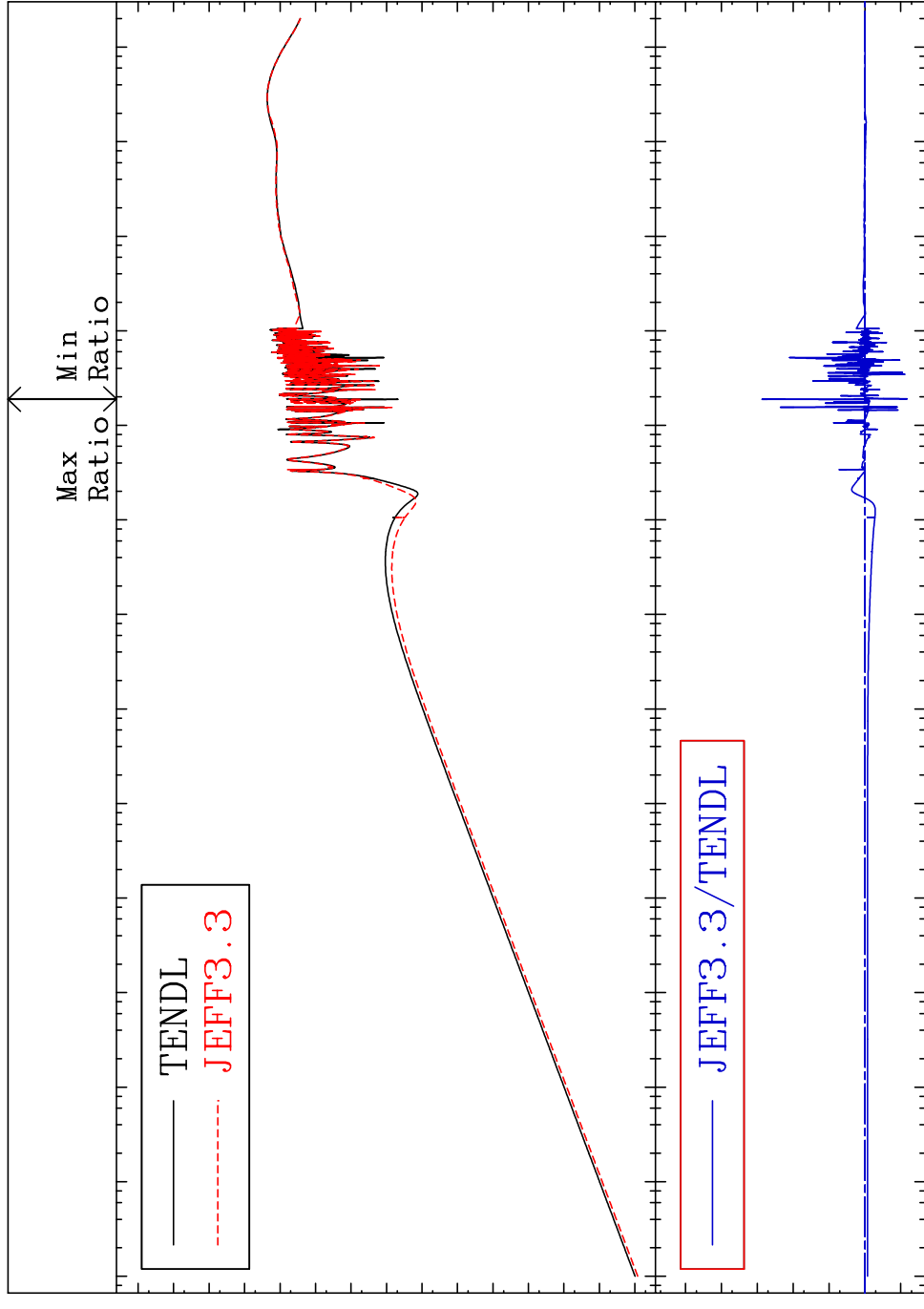
MAT 2125 Kerma total (eV-barns) 21-Sc-45  
 Cross Section -93.39 To 9999. %



MAT 2125

Kerma elastic  
Cross Section

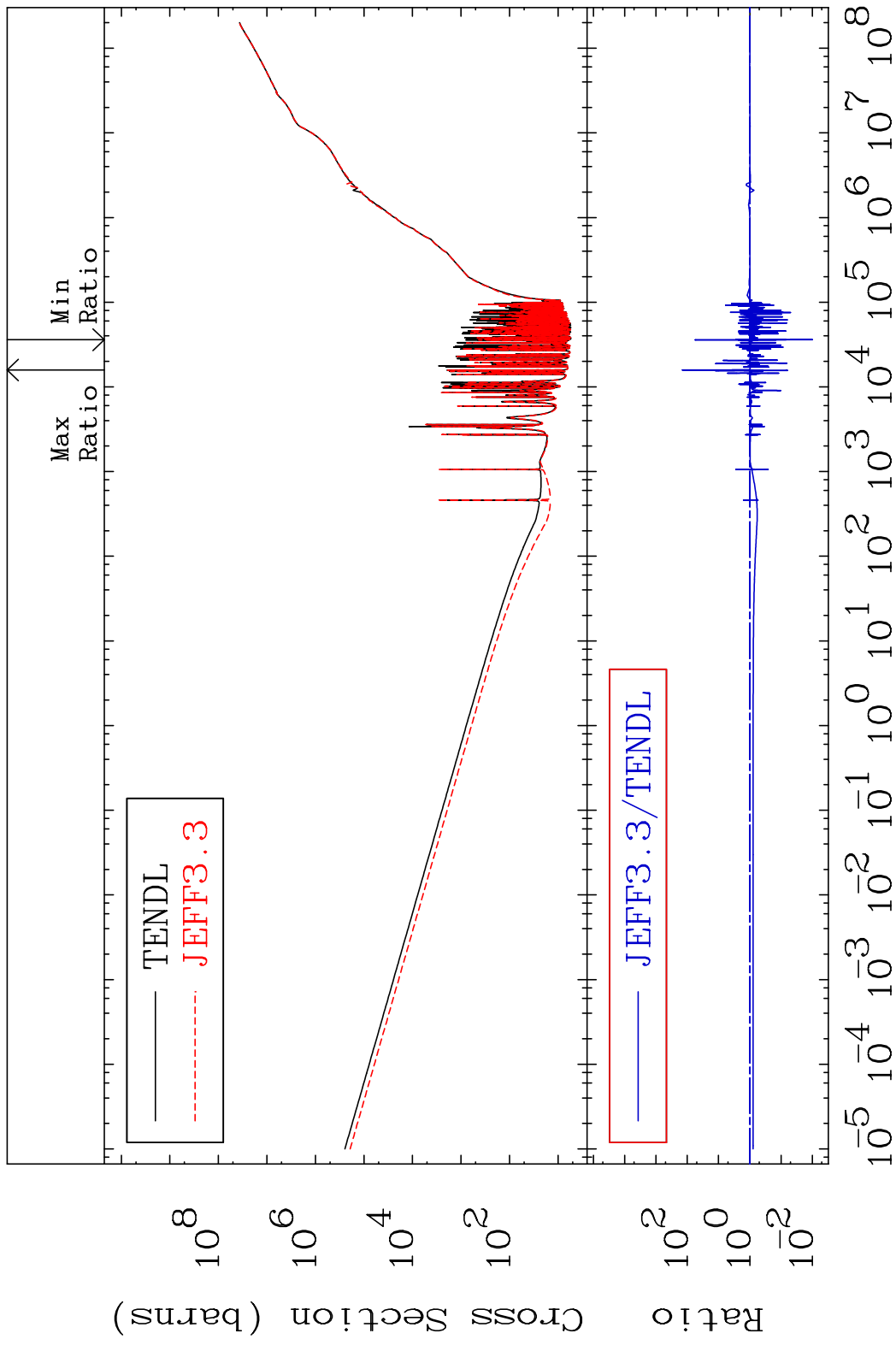
21-Sc-45  
-93.39 To 9999. %



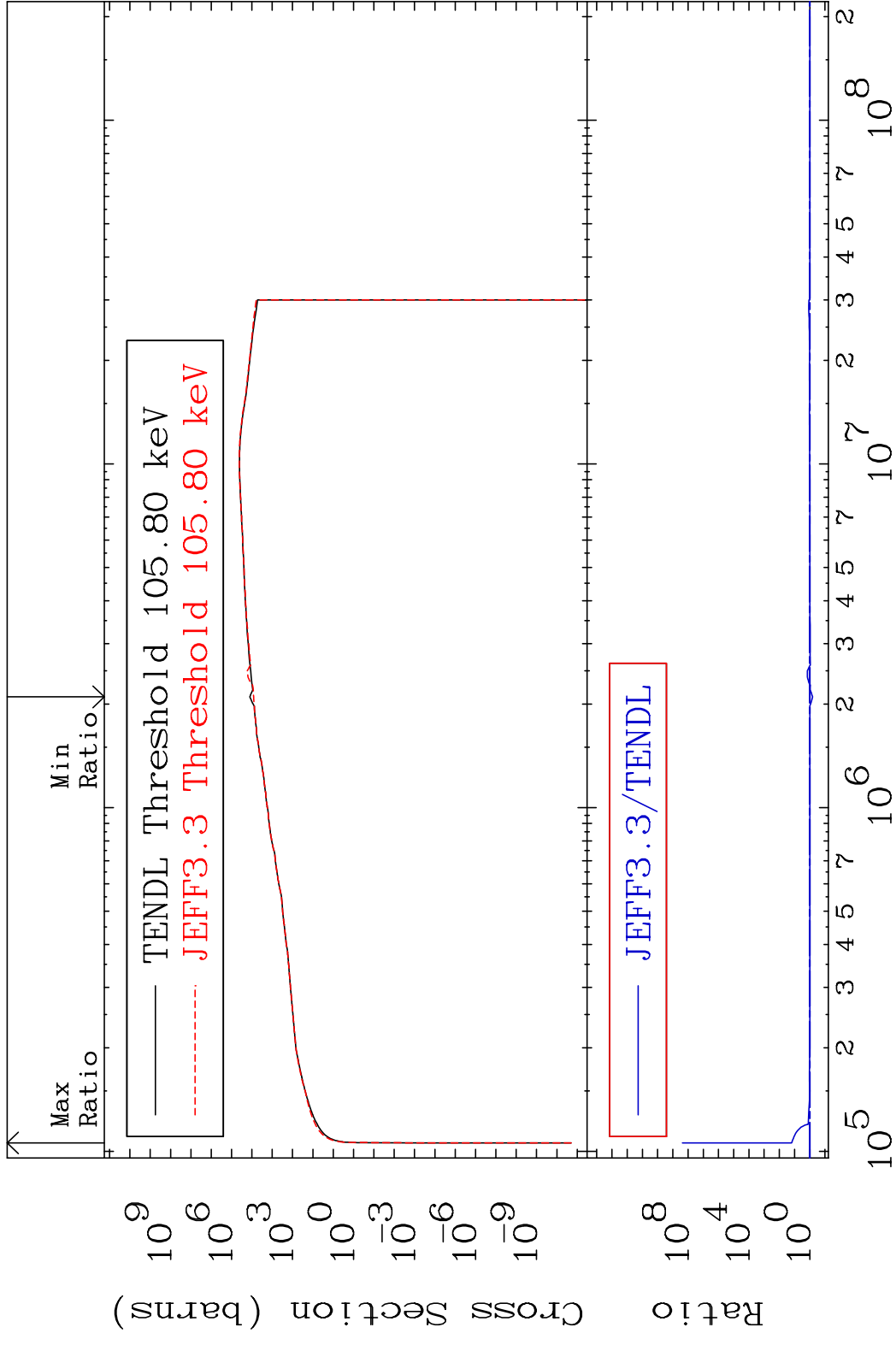
Cross Section (barns)  
Ratio

Incident Energy (eV)

MAT 2125 Kerma non-elastic (all but mt2) 21-Sc-45  
 Cross Section -99.02 To 9999. %

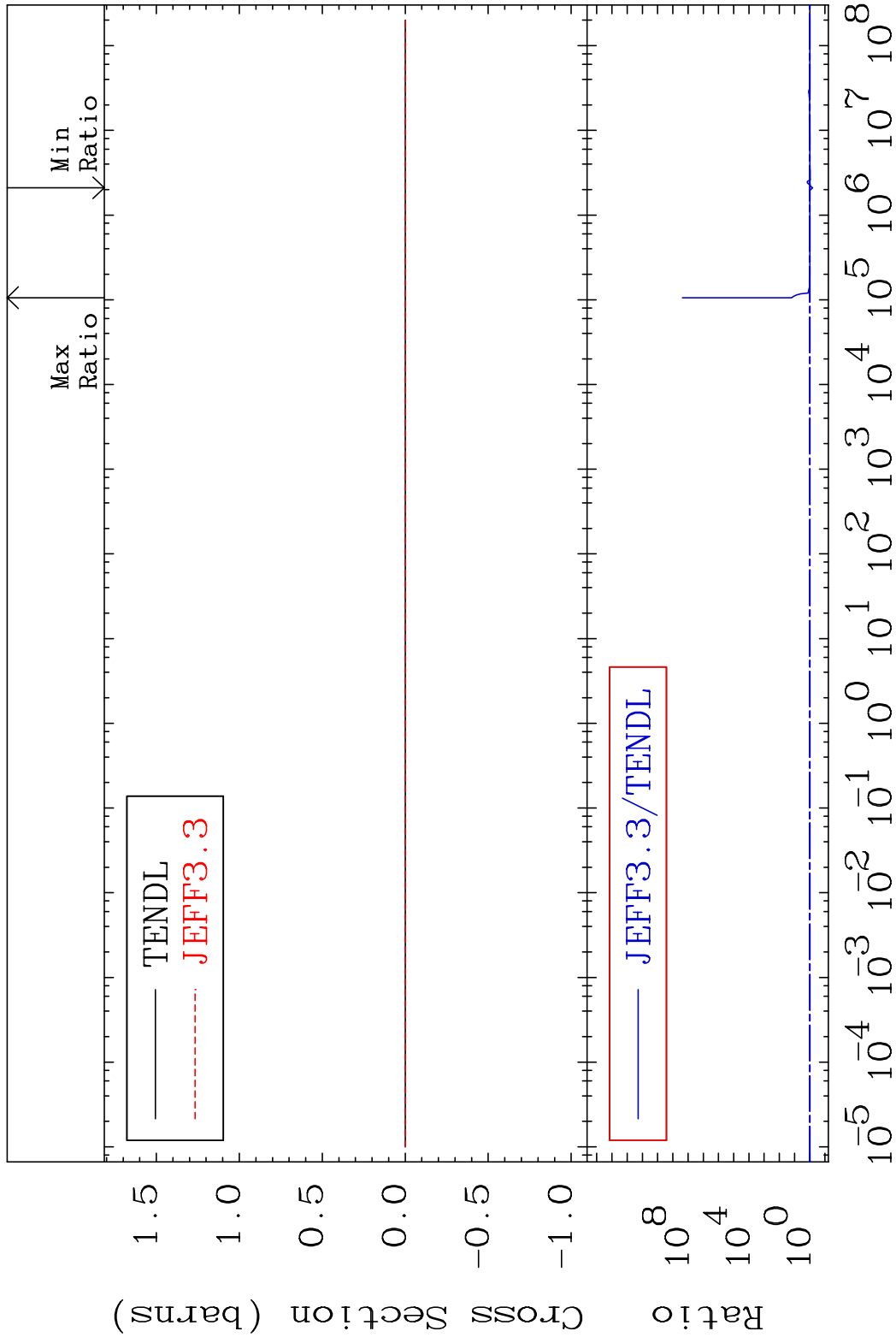


MAT 2125 Kerma inelastic (mt51-91) 21-Sc-45  
 Cross Section -34.13 To 9999. %

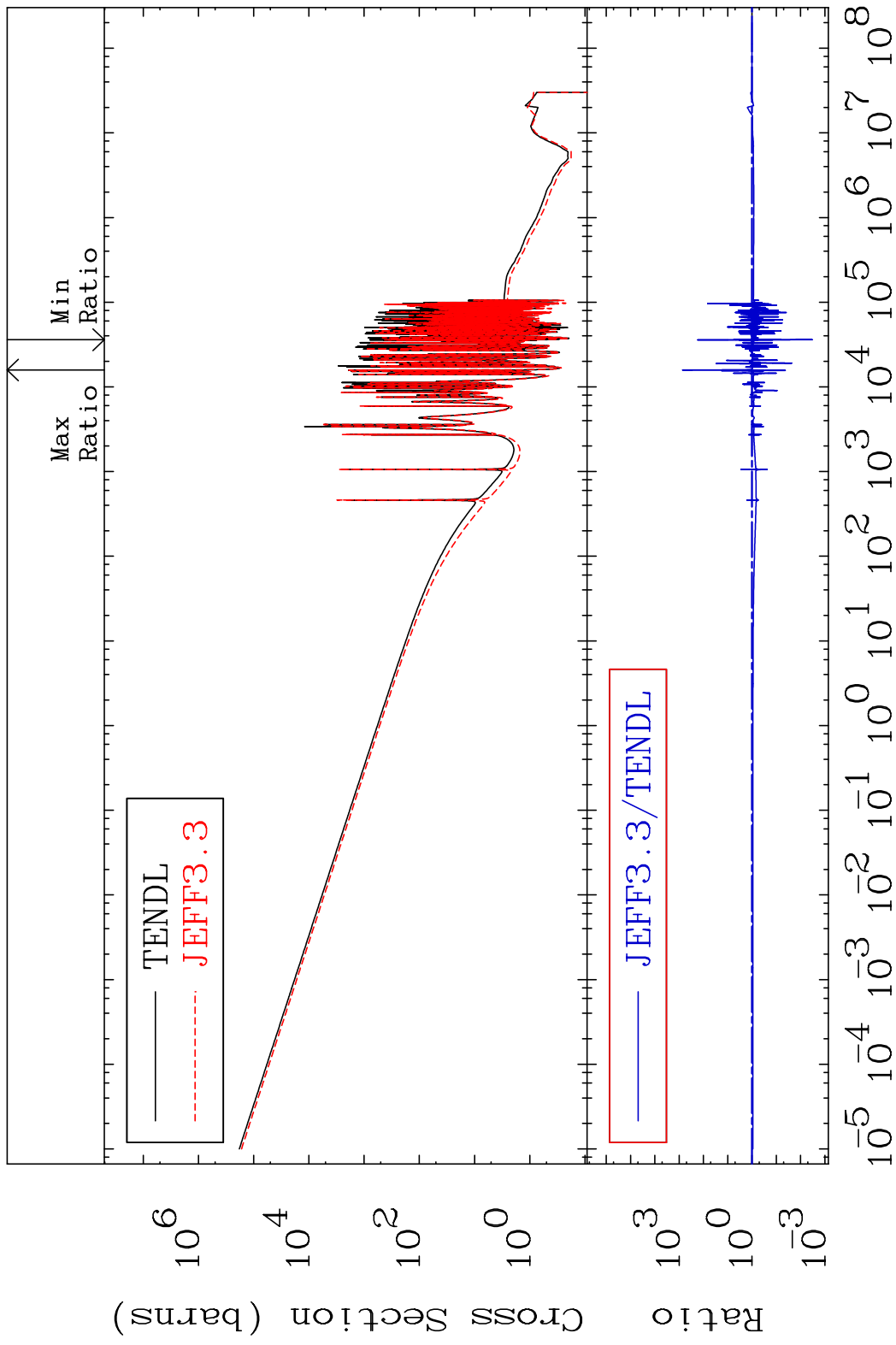


59 Incident Energy (eV) 21-Sc-45

MAT 2125 Kerma fission (mt18 or mt19-20-21-38) 21-Sc-45  
 Cross Section -34.13 To 9999. %

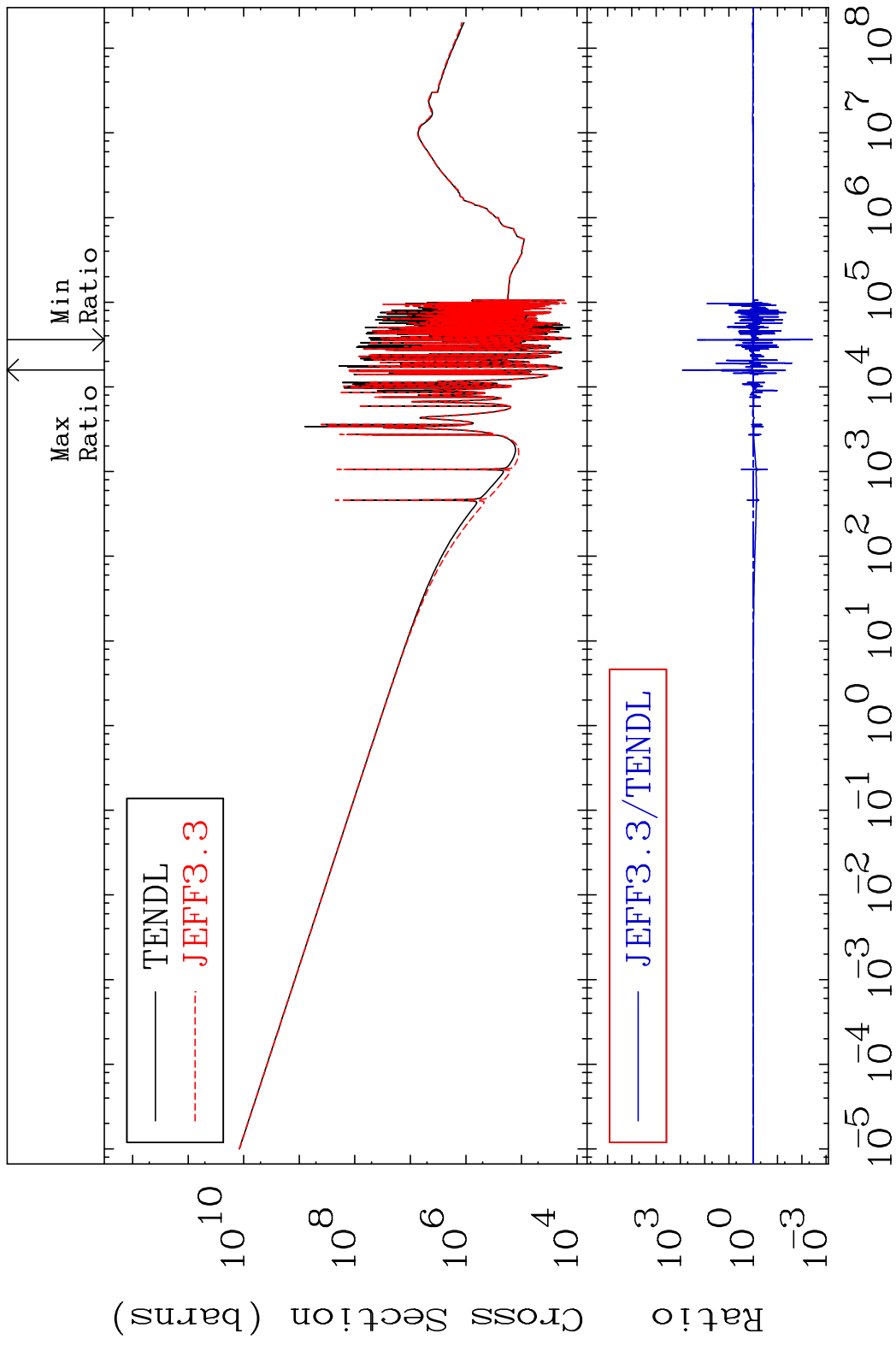


MAT 2125 Kerma capture (mt102) 21-Sc-45  
 Cross Section -99.68 To 9999. %



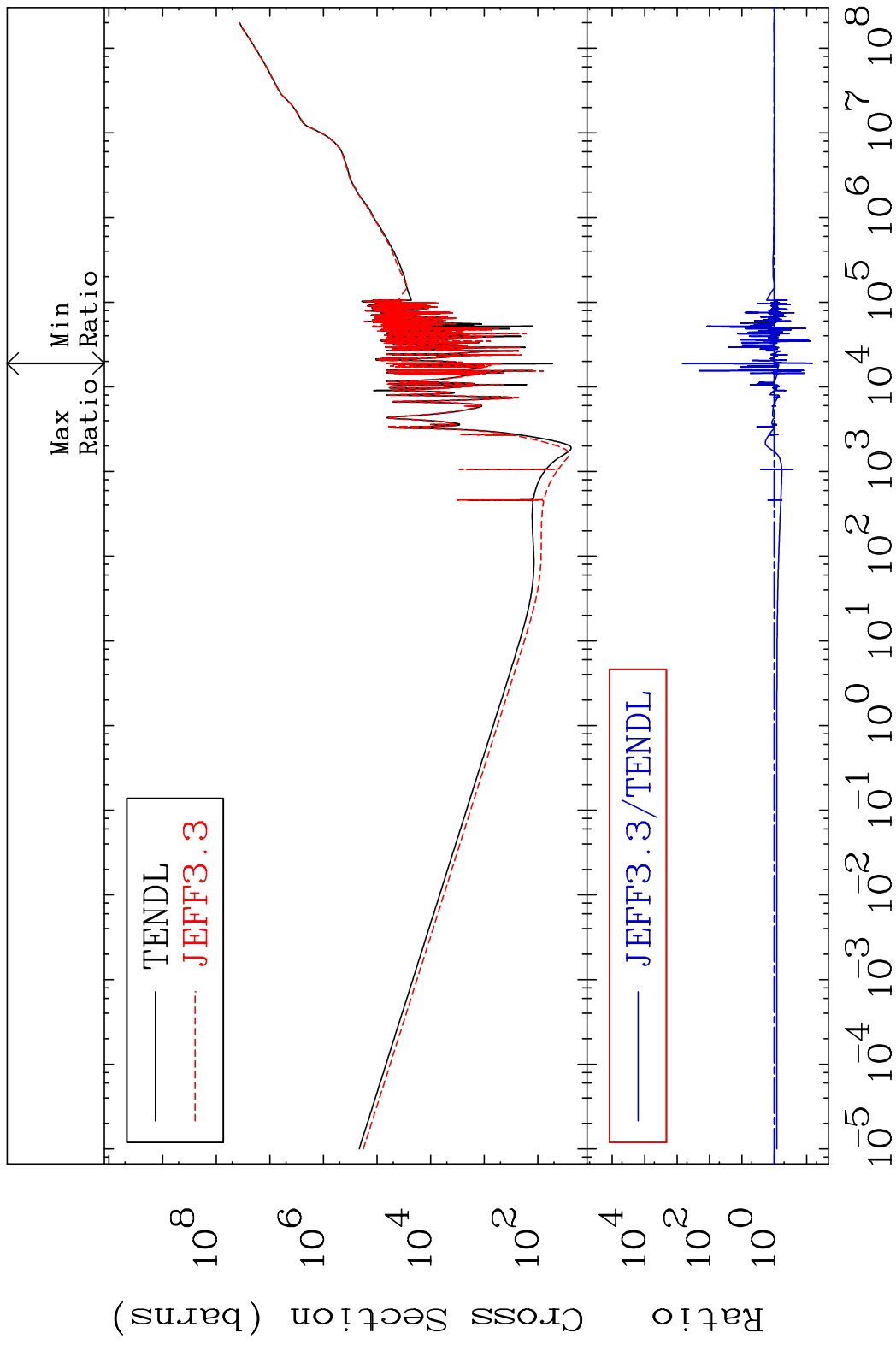
61 Incident Energy (eV) 21-Sc-45

MAT 2125 Total photon (eV-barns) 21-Sc-45  
 Cross Section -99.64 To 9999. %



62 Incident Energy (eV) 21-Sc-45

MAT 2125 Total kinematic kerma (high limit) 21-Sc-45  
 Cross Section -93.39 To 9999. %



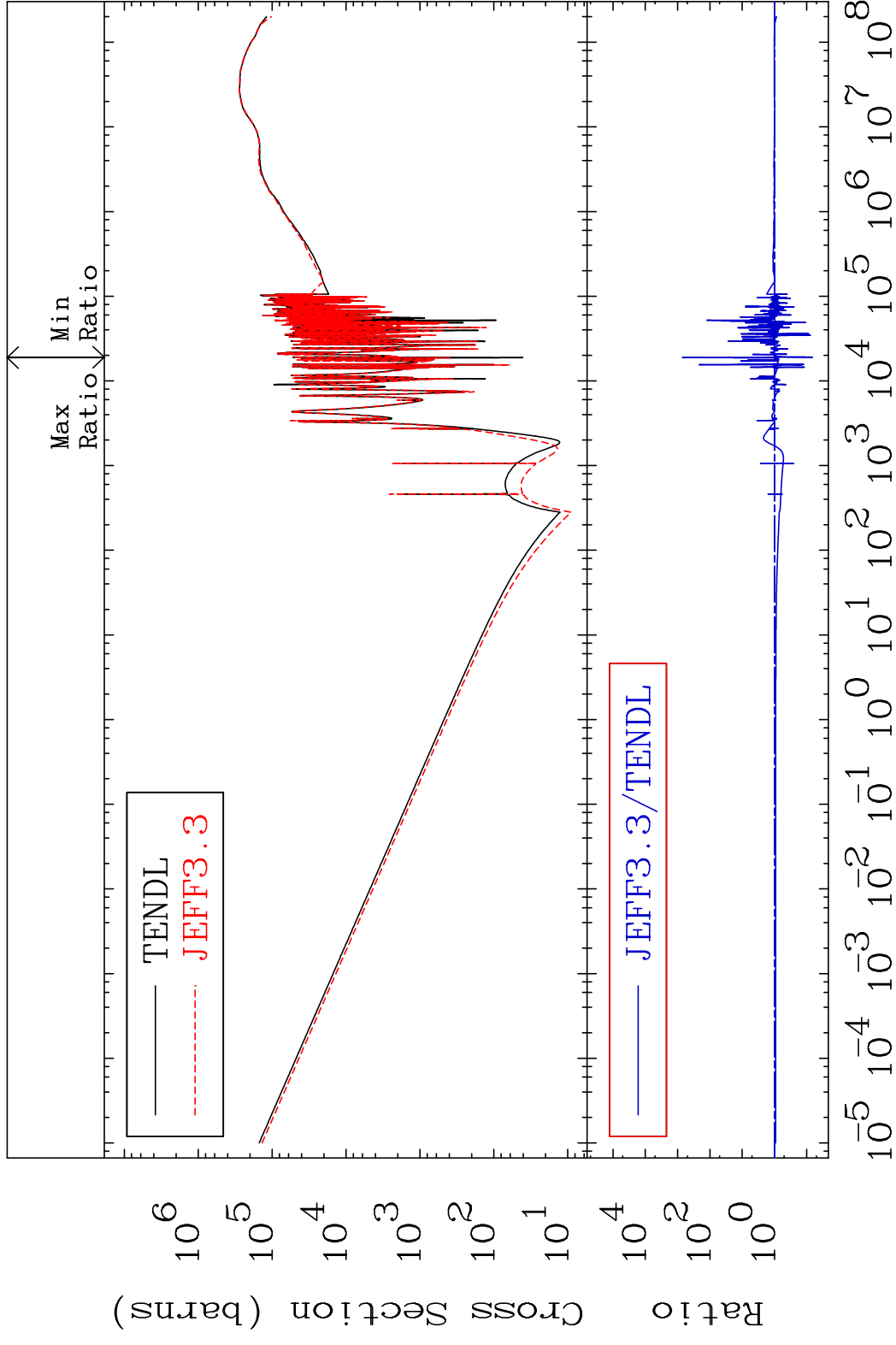


MAT 2125

Dpa total (eV-barns)

21-Sc-45

Cross Section -93.40 To 9999. %



64

Incident Energy (eV)

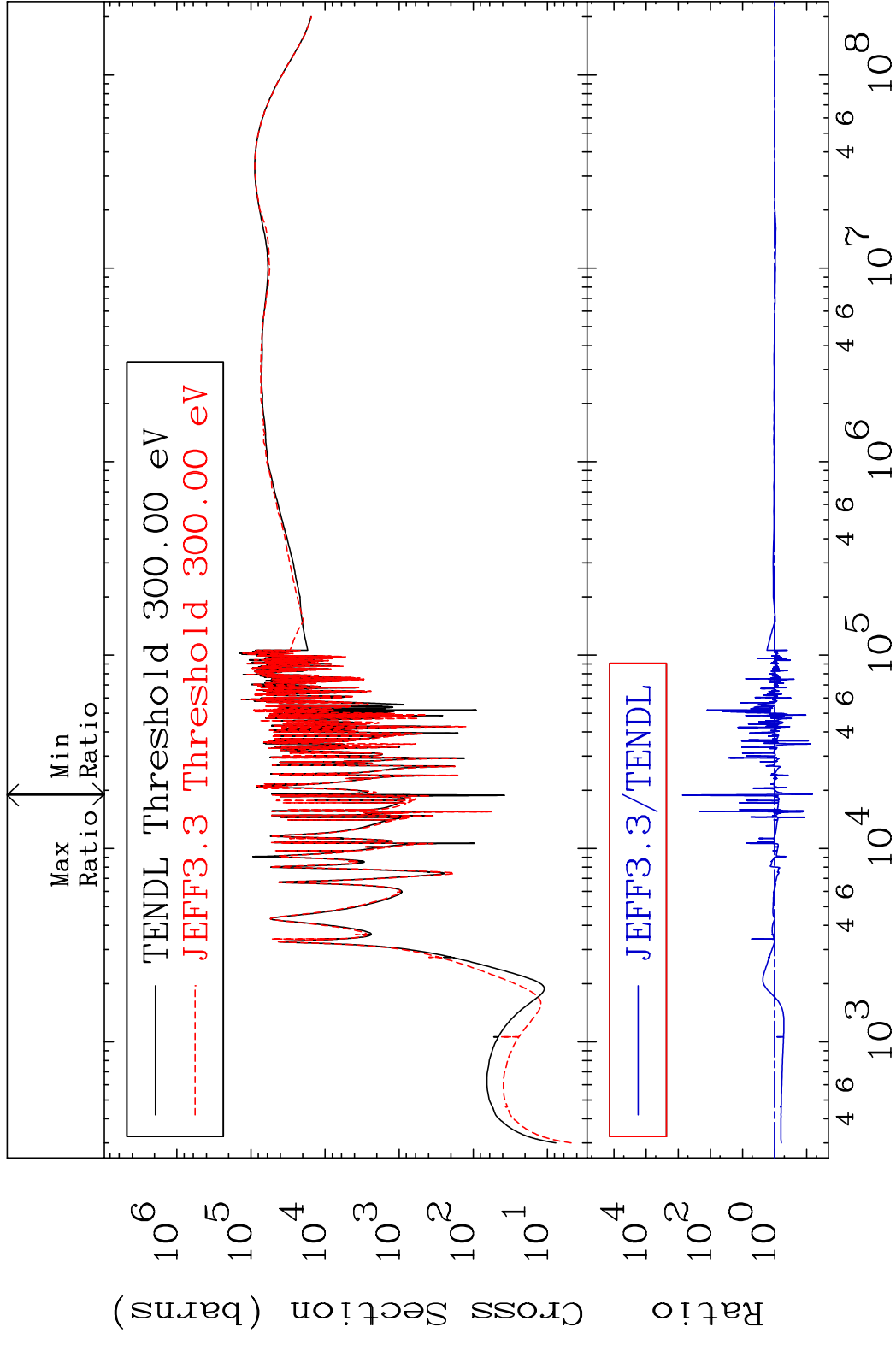
21-Sc-45

MAT 2125

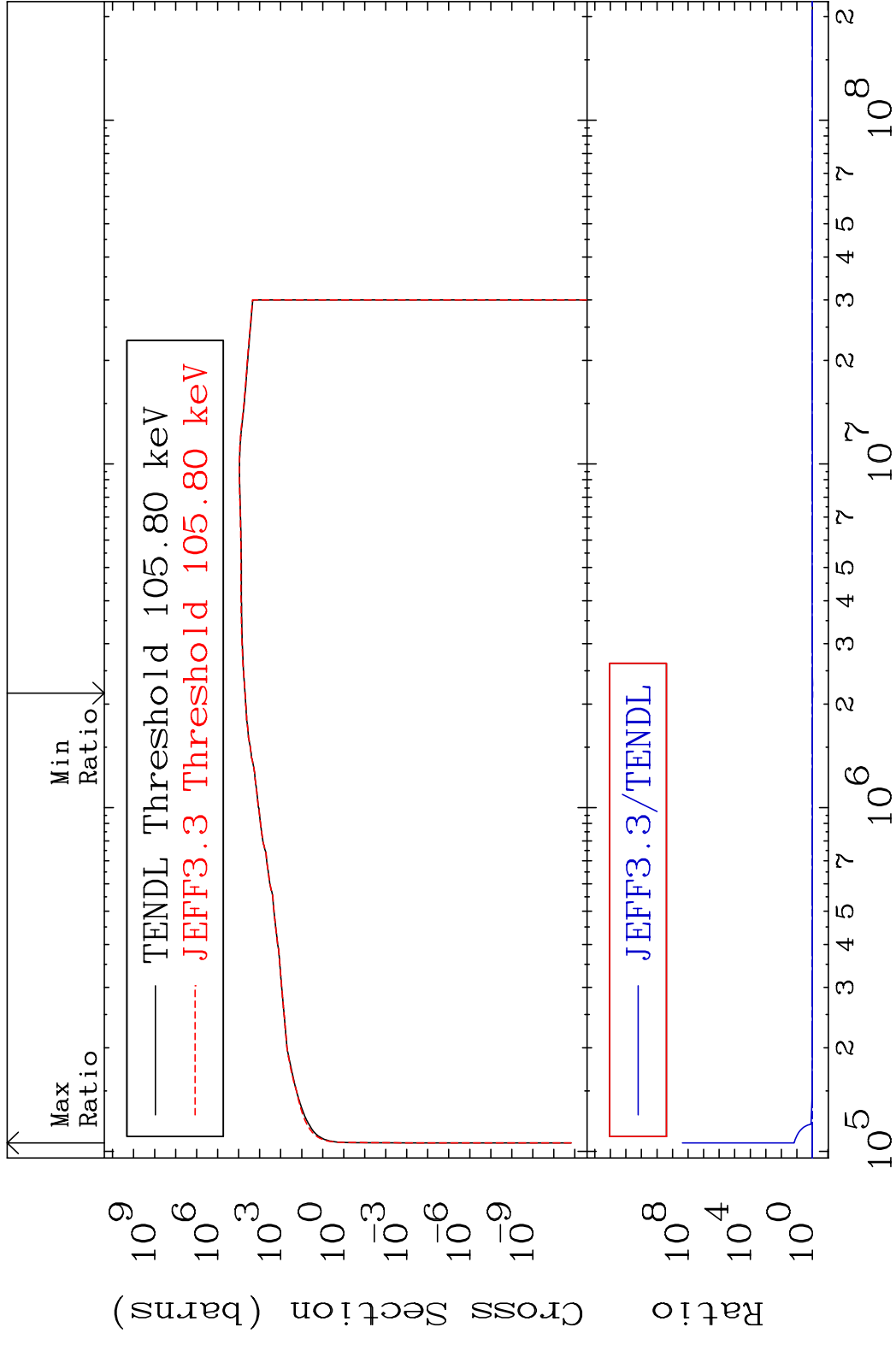
Dpa elastic (mt2)

21-Sc-45

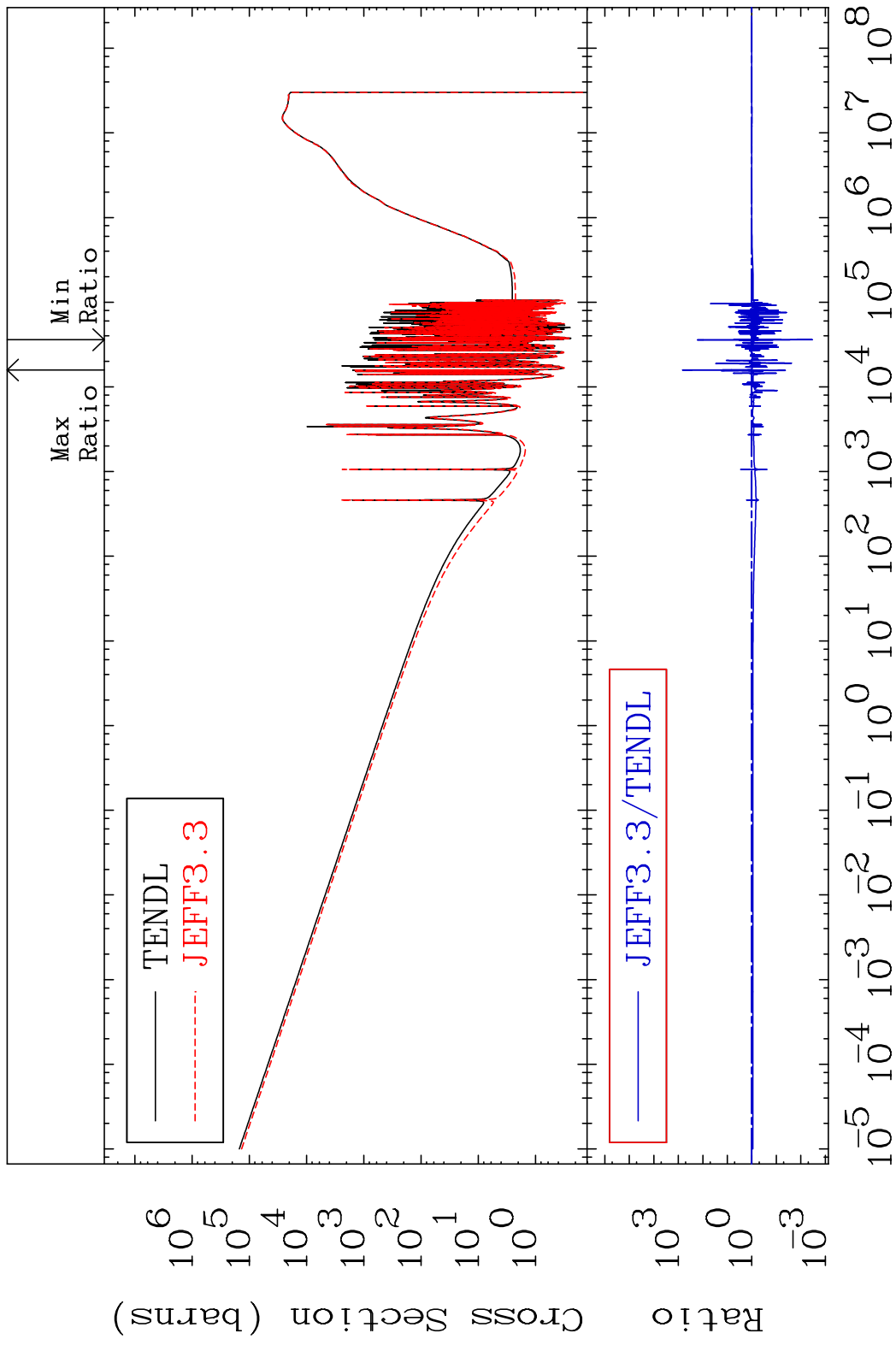
Cross Section -93.39 To 9999. %

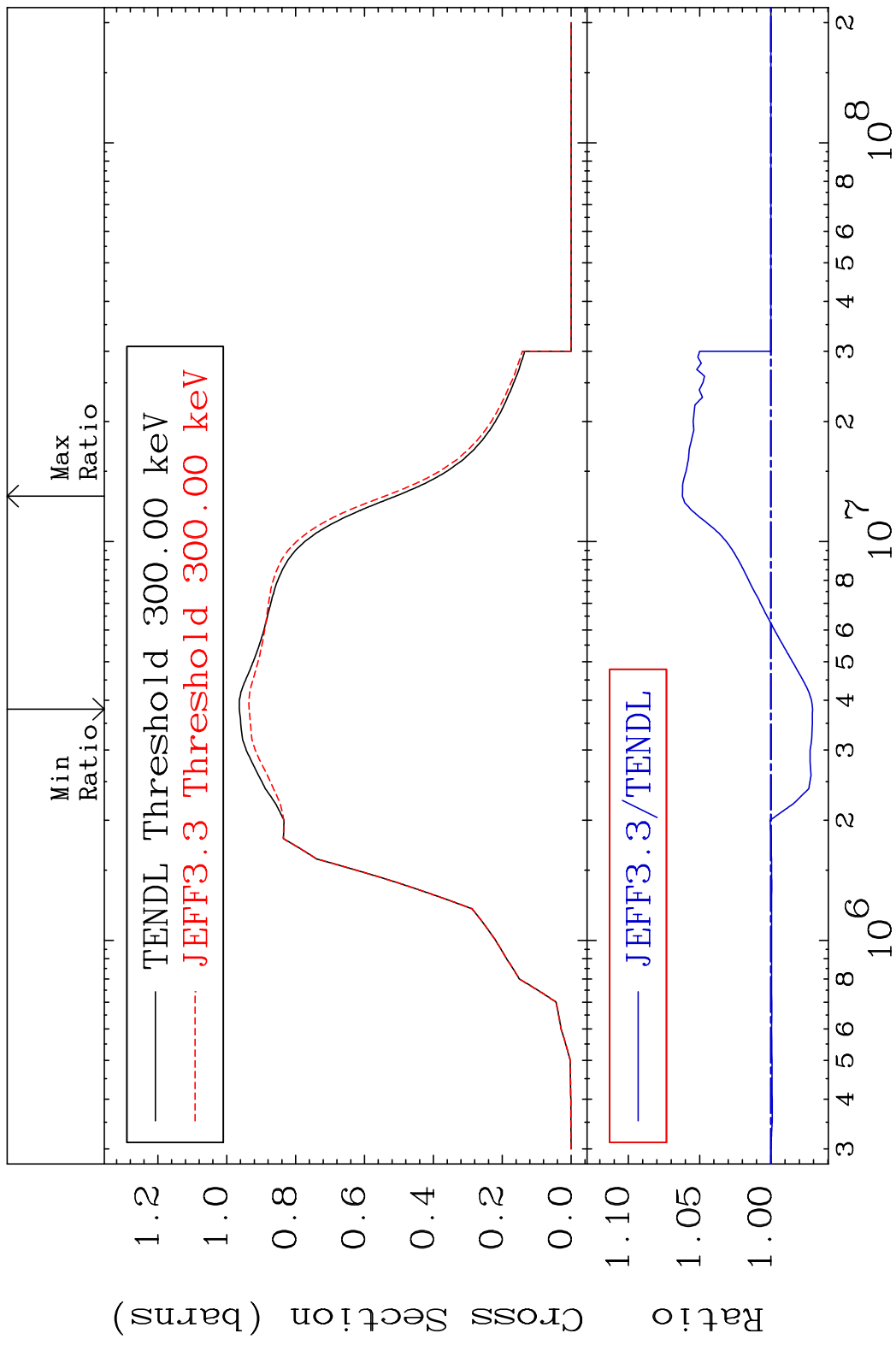


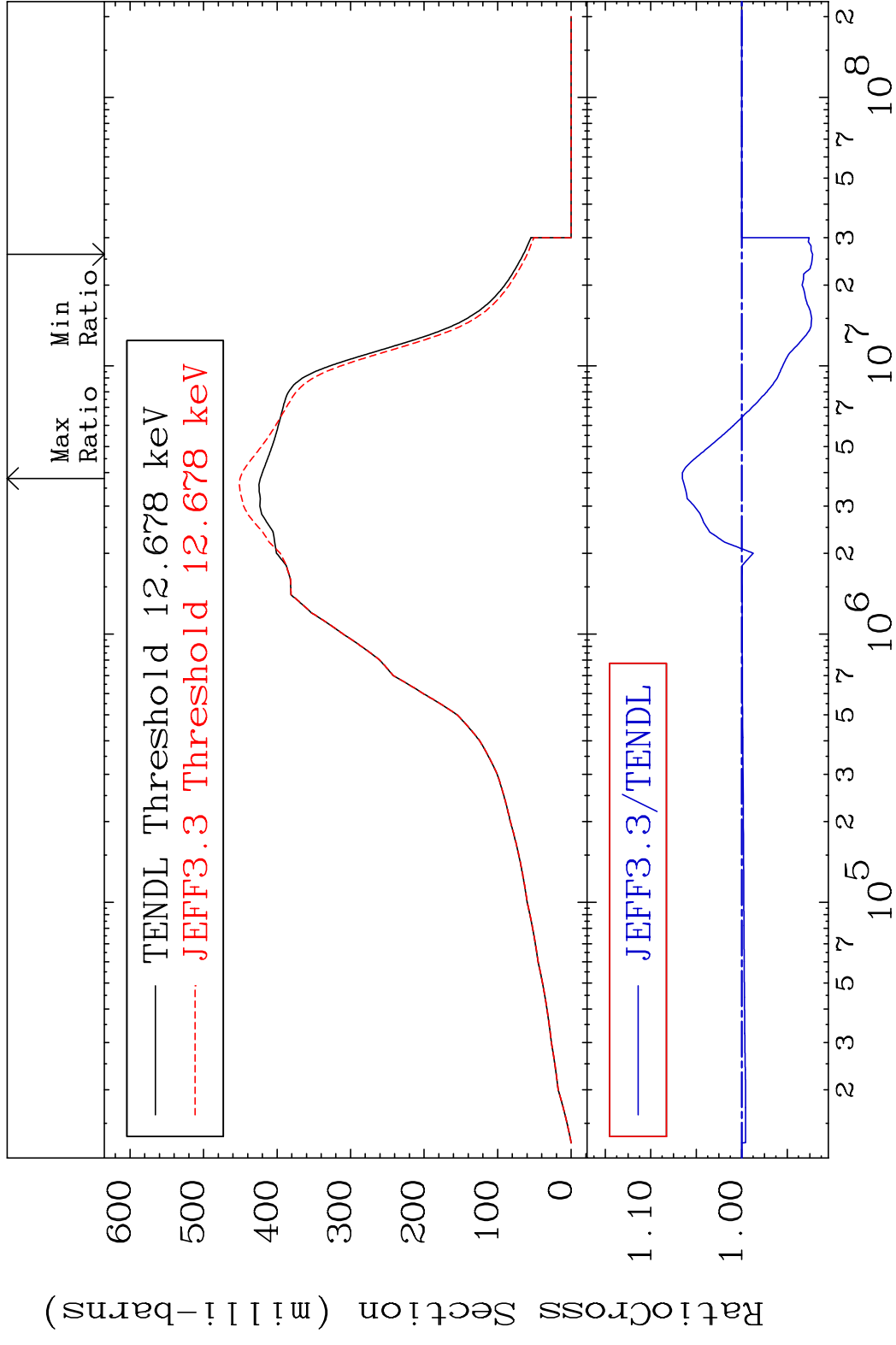
MAT 2125 Dpa inelastic (mt51-91) 21-Sc-45  
 Cross Section -1.812 To 9999. %



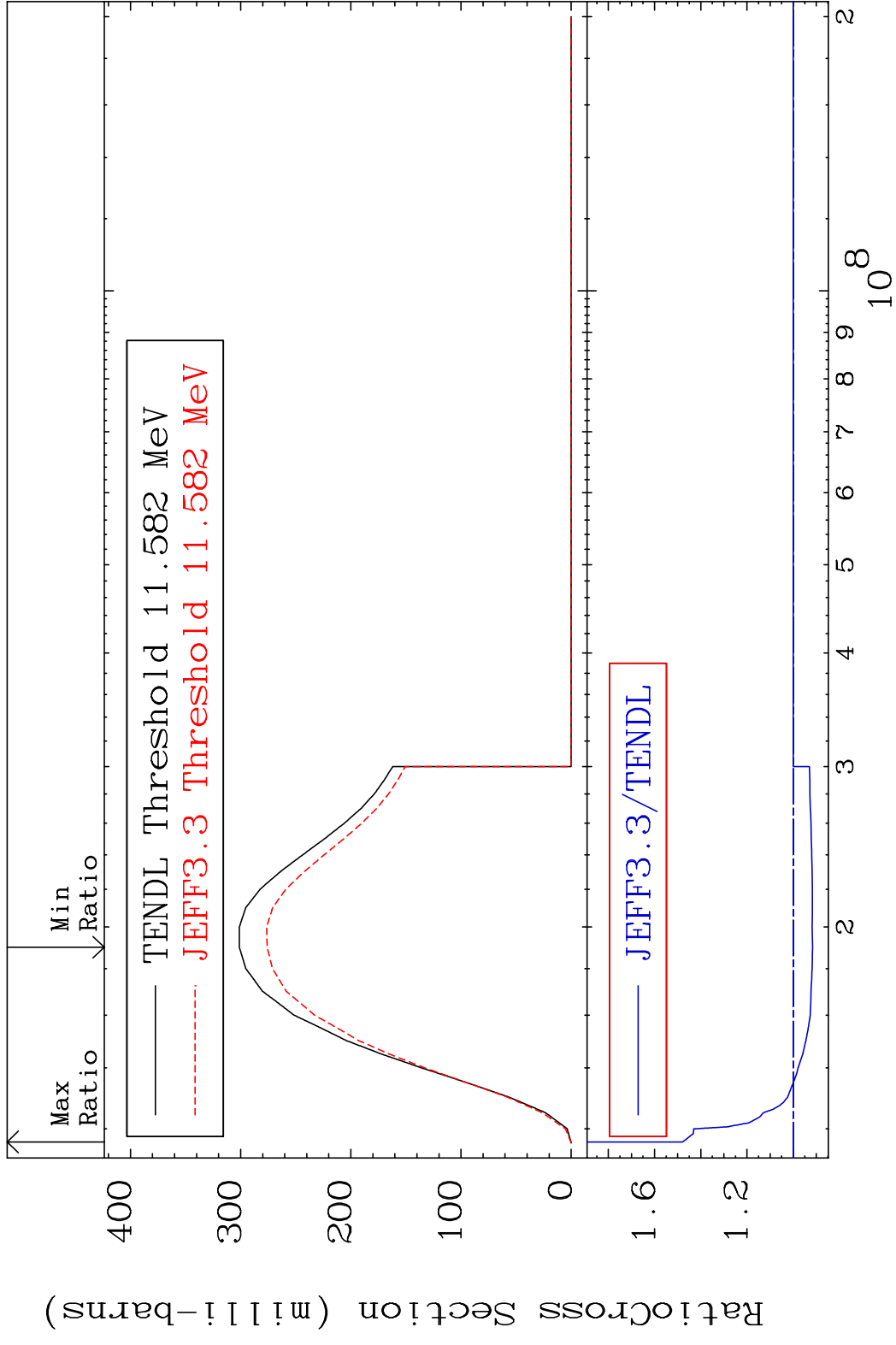
MAT 2125 Dpa disappearance (mt102 -120) 21-Sc-45  
 Cross Section -99.67 To 9999. %







MAT 2125 (n,2n):21-Sc-44g 21-Sc-45  
 Radionuclide Production Cross Section 47.98 %



70 Incident Energy (eV) 21-Sc-45

