

Program Complot  
(Version 2021-1)

by

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(Present Contact Information)

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Press Mouse Button to Start

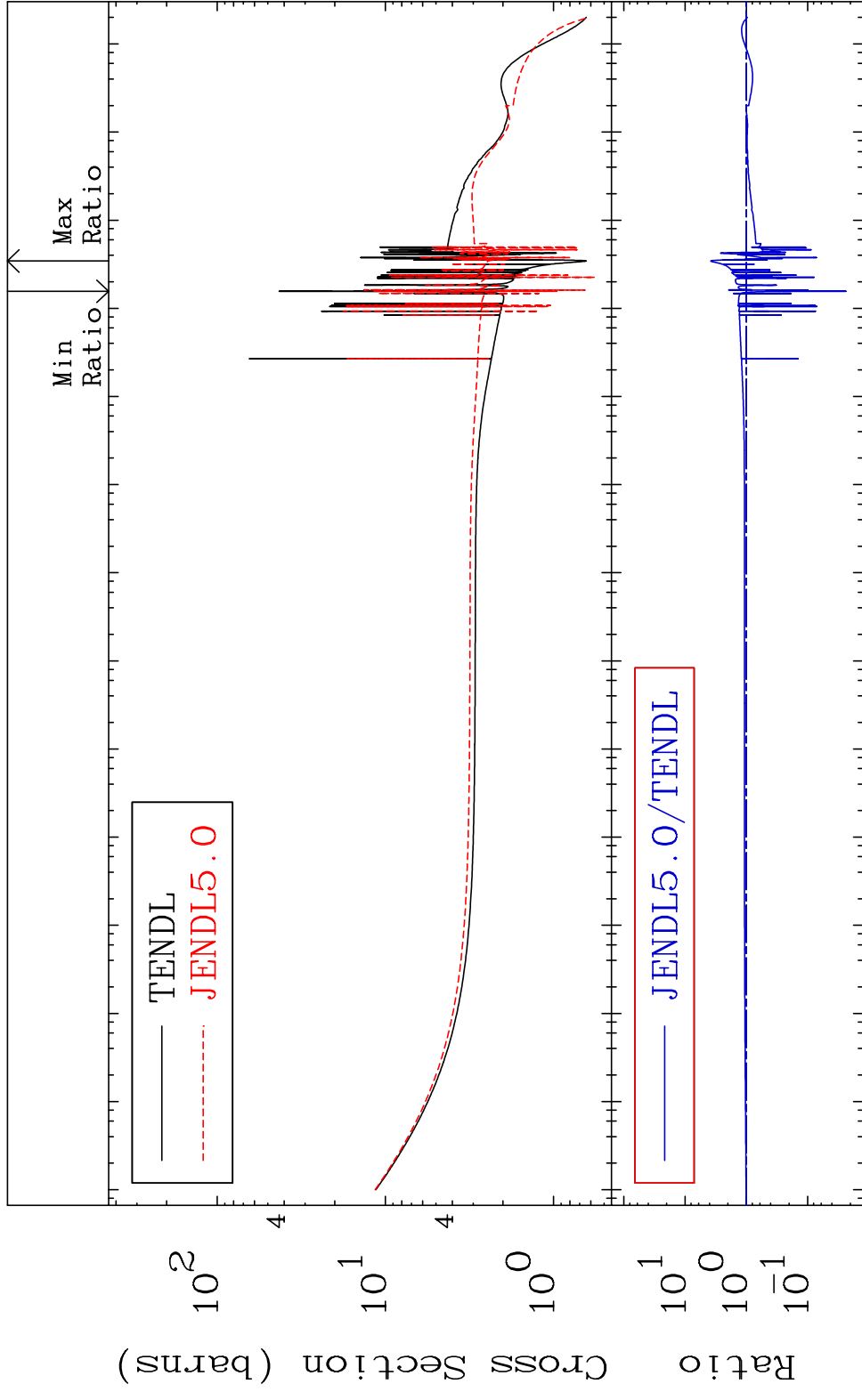
MAT 1525

Total

15-P -31

Cross Section

-97.67 To 281.7 %

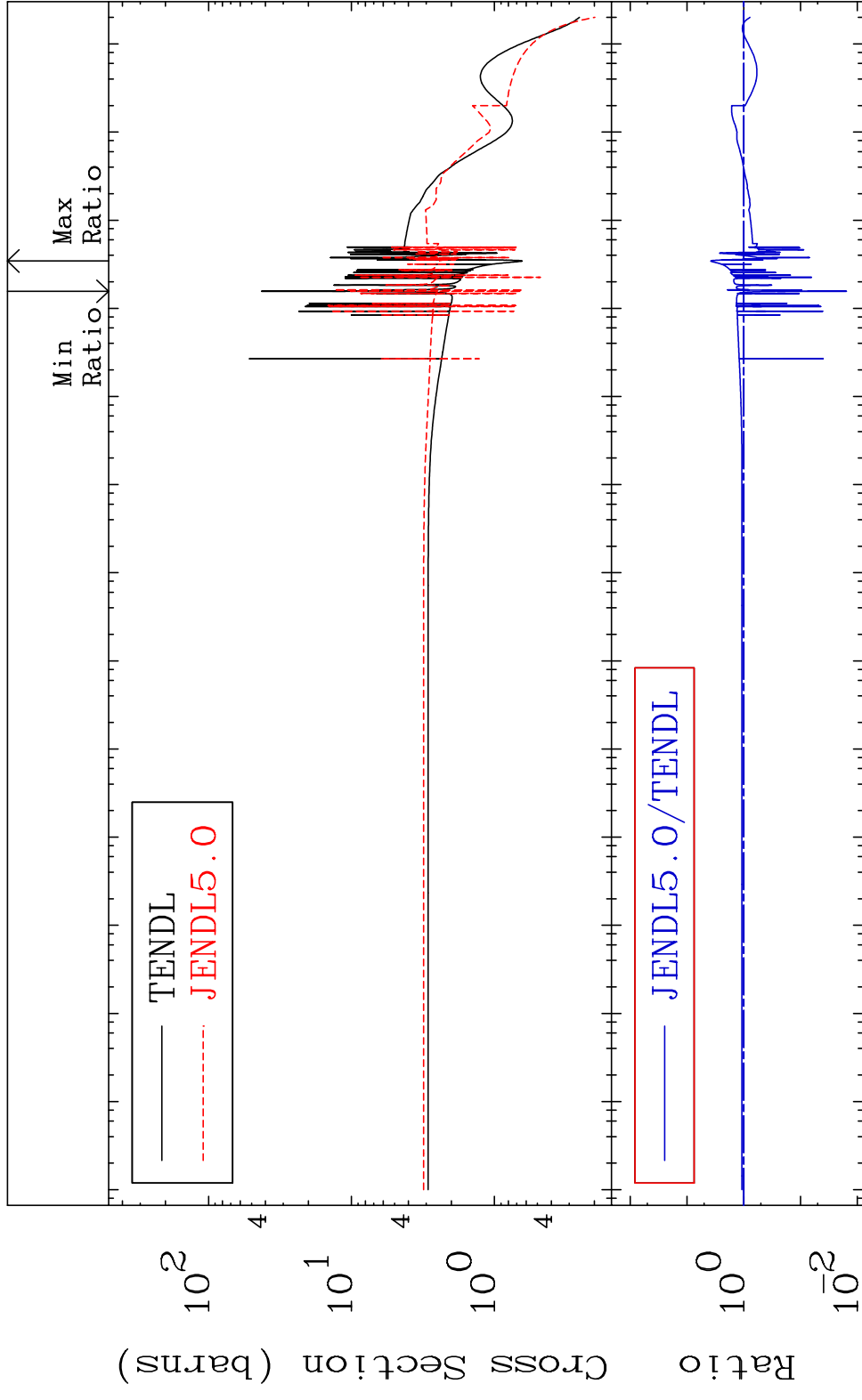


1

Incident Energy (eV)

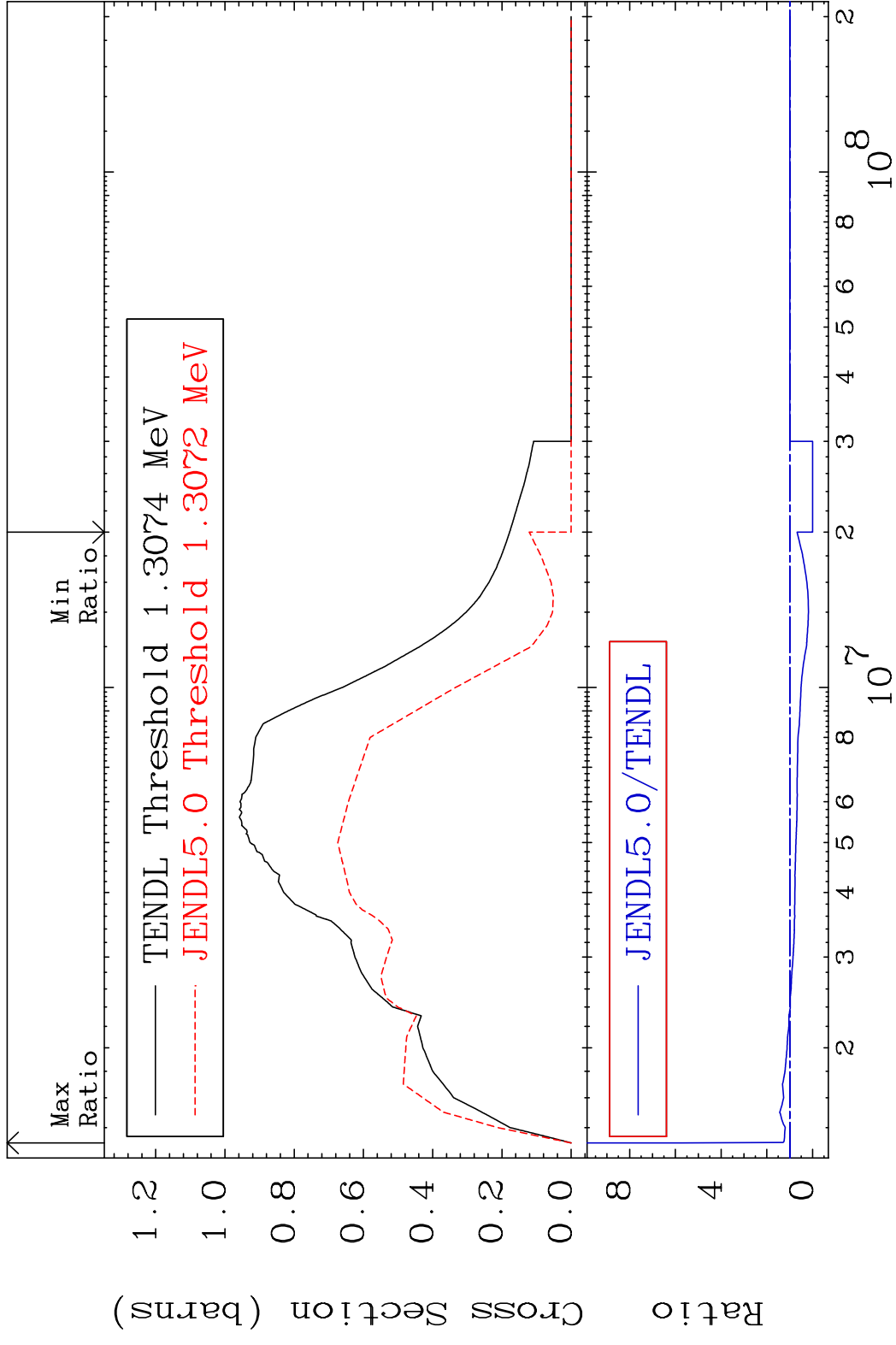
15-P -31

MAT 1525                      Elastic                      15-P -31  
 Cross Section                      -98.43 To 281.8 %



2                      Incident Energy (eV)                      15-P -31

MAT 1525 Inelastic 15-P -31  
 Cross Section -100.0 To 469.7 %

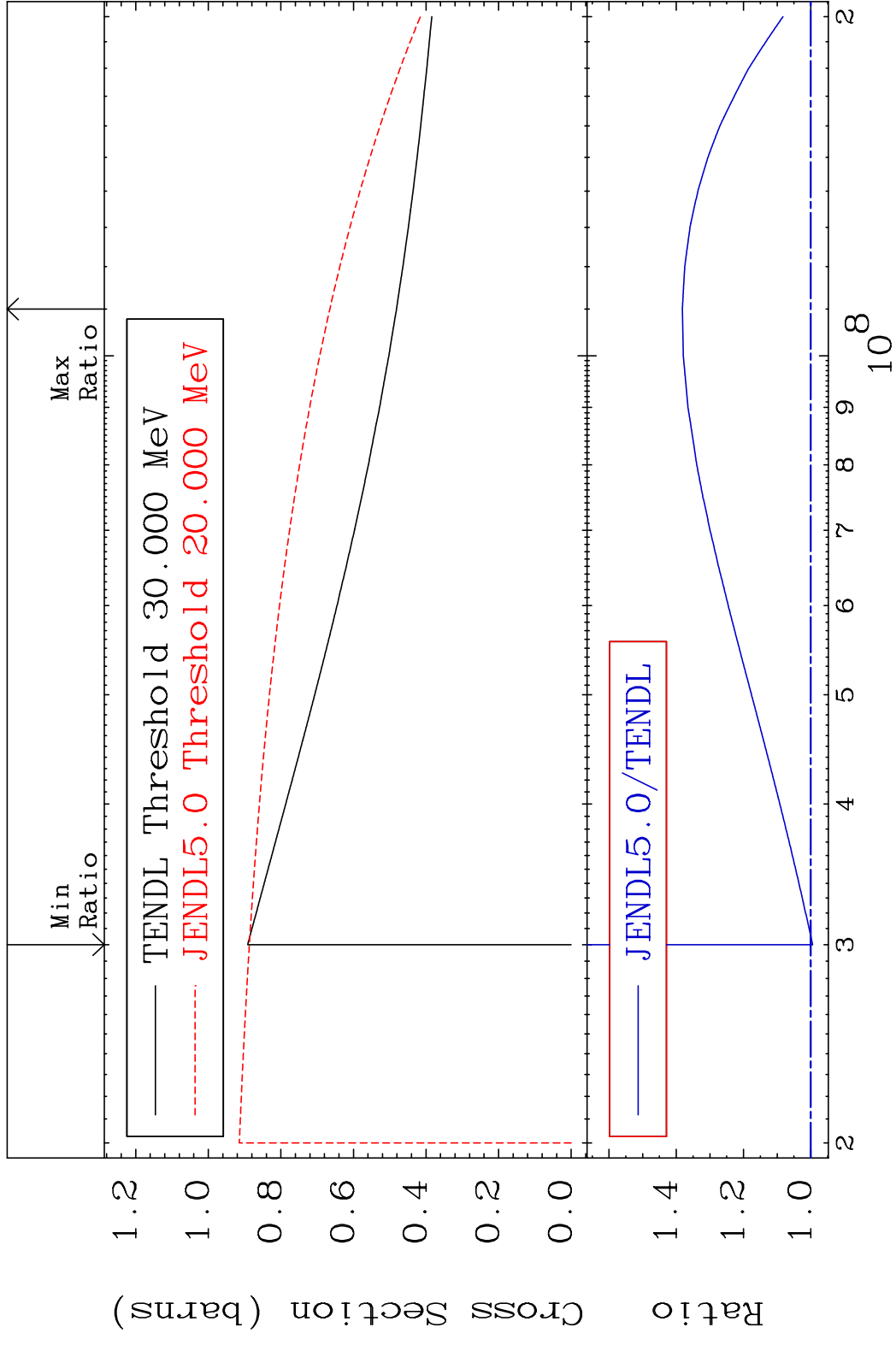


MAT 1525

(n, remainder)

15-P -31

Cross Section -0.521 To 38.19 %

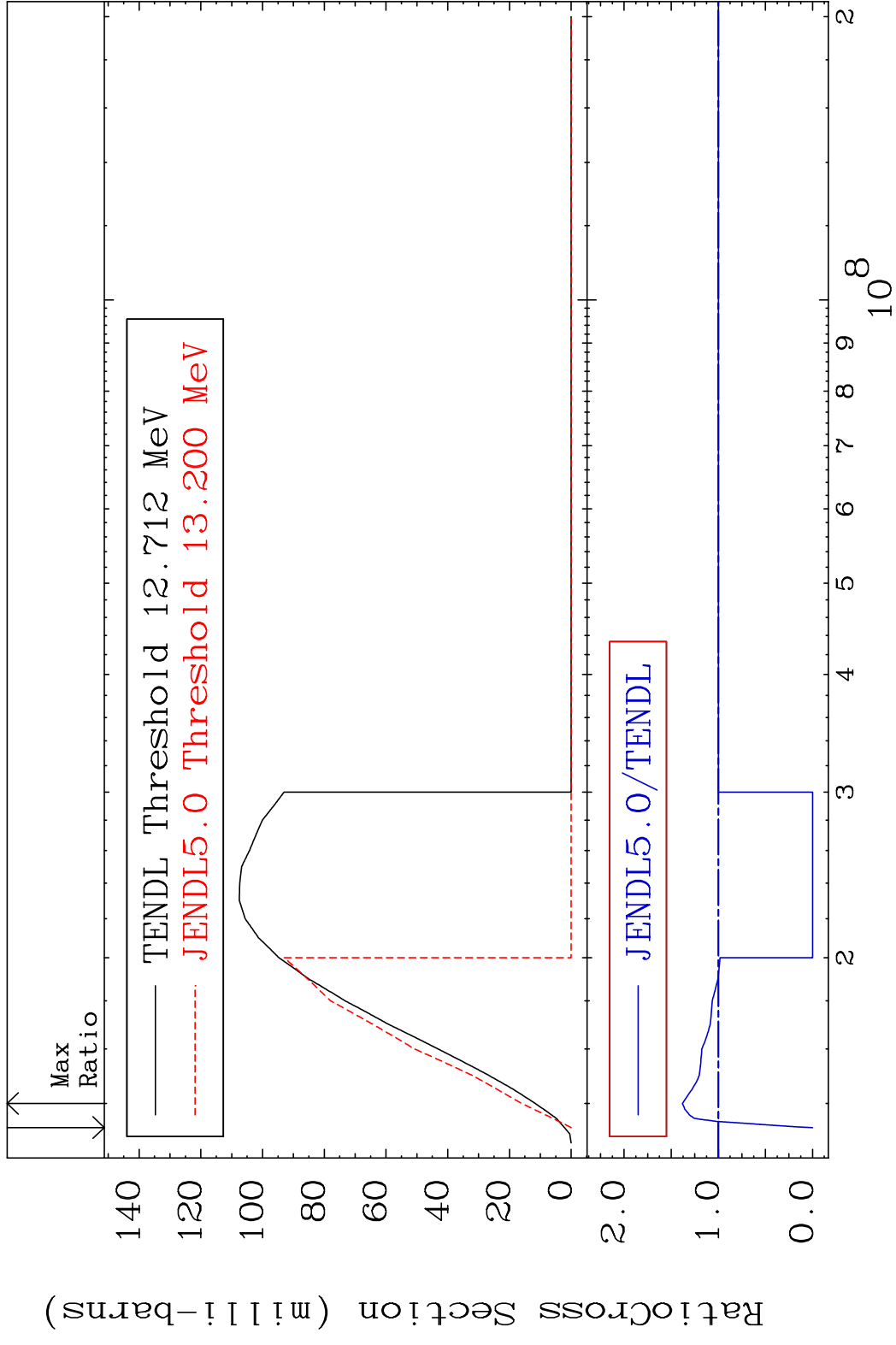


4

Incident Energy (eV)

15-P -31

MAT 1525 (n,2n) 15-P -31  
 Cross Section -100.0 To 38.16 %

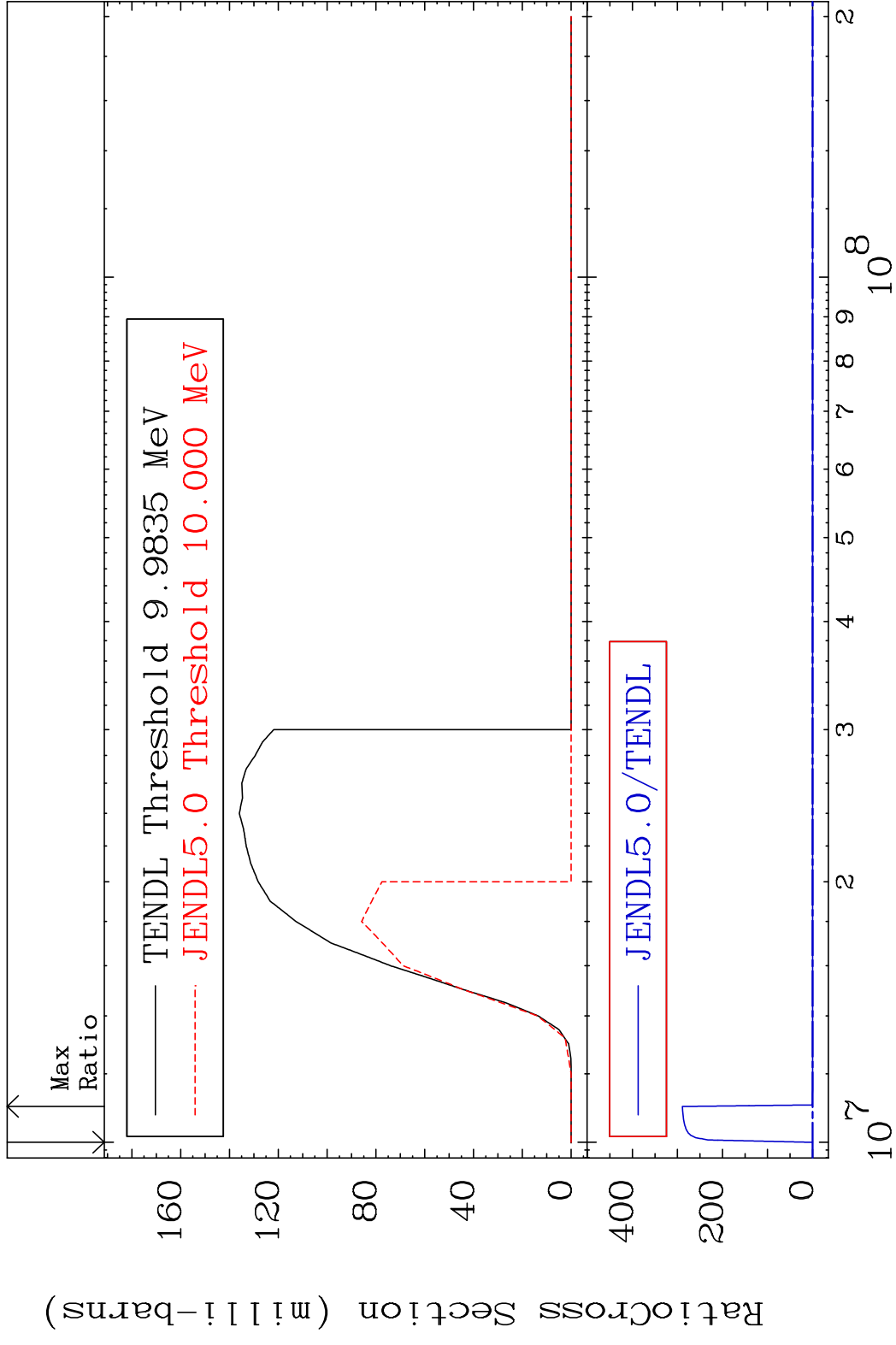


MAT 1525

(n, n')  $\alpha$

15-P -31

Cross Section -100.0 To 9999. %

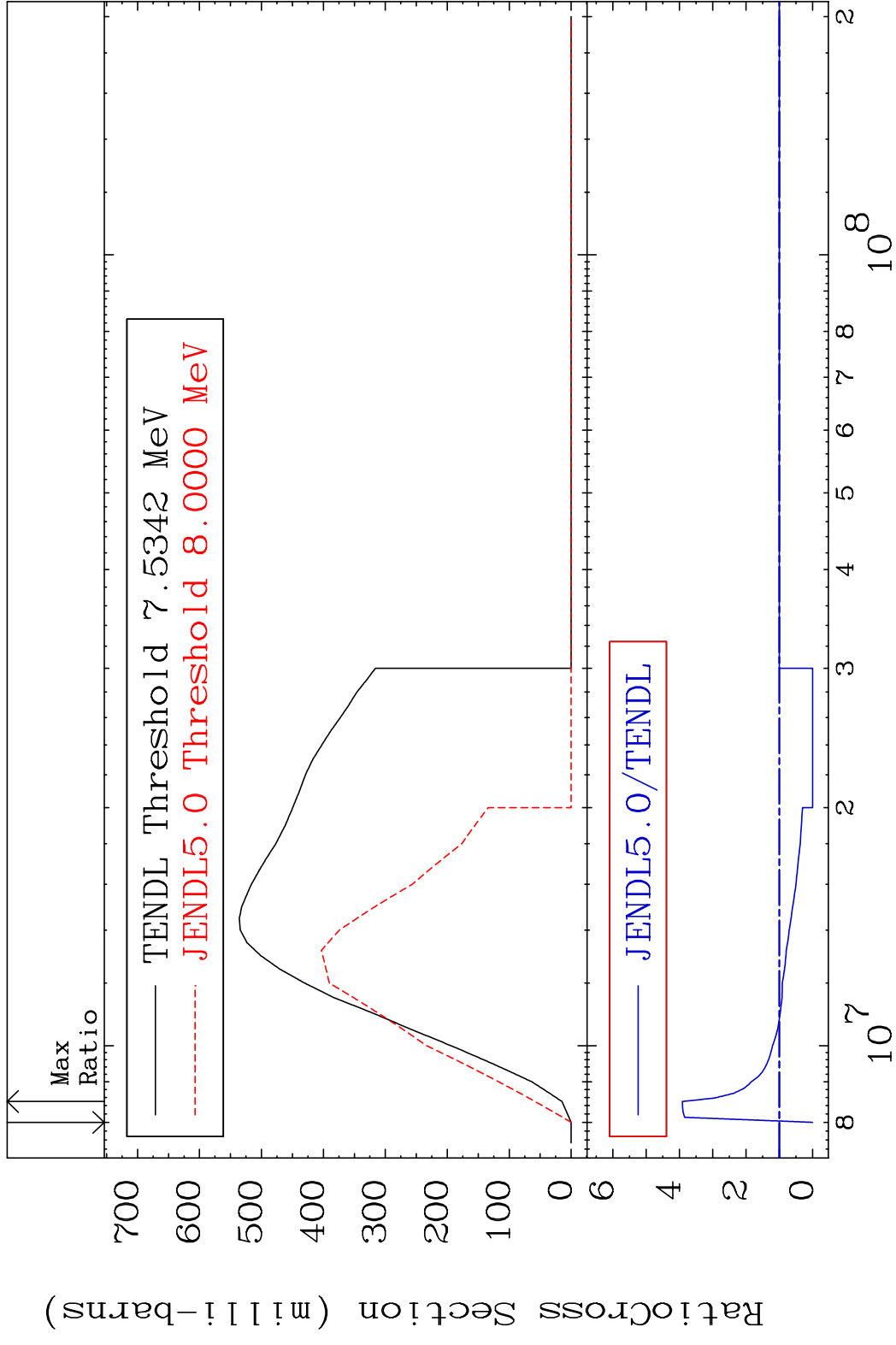


Incident Energy (eV)

15-P -31

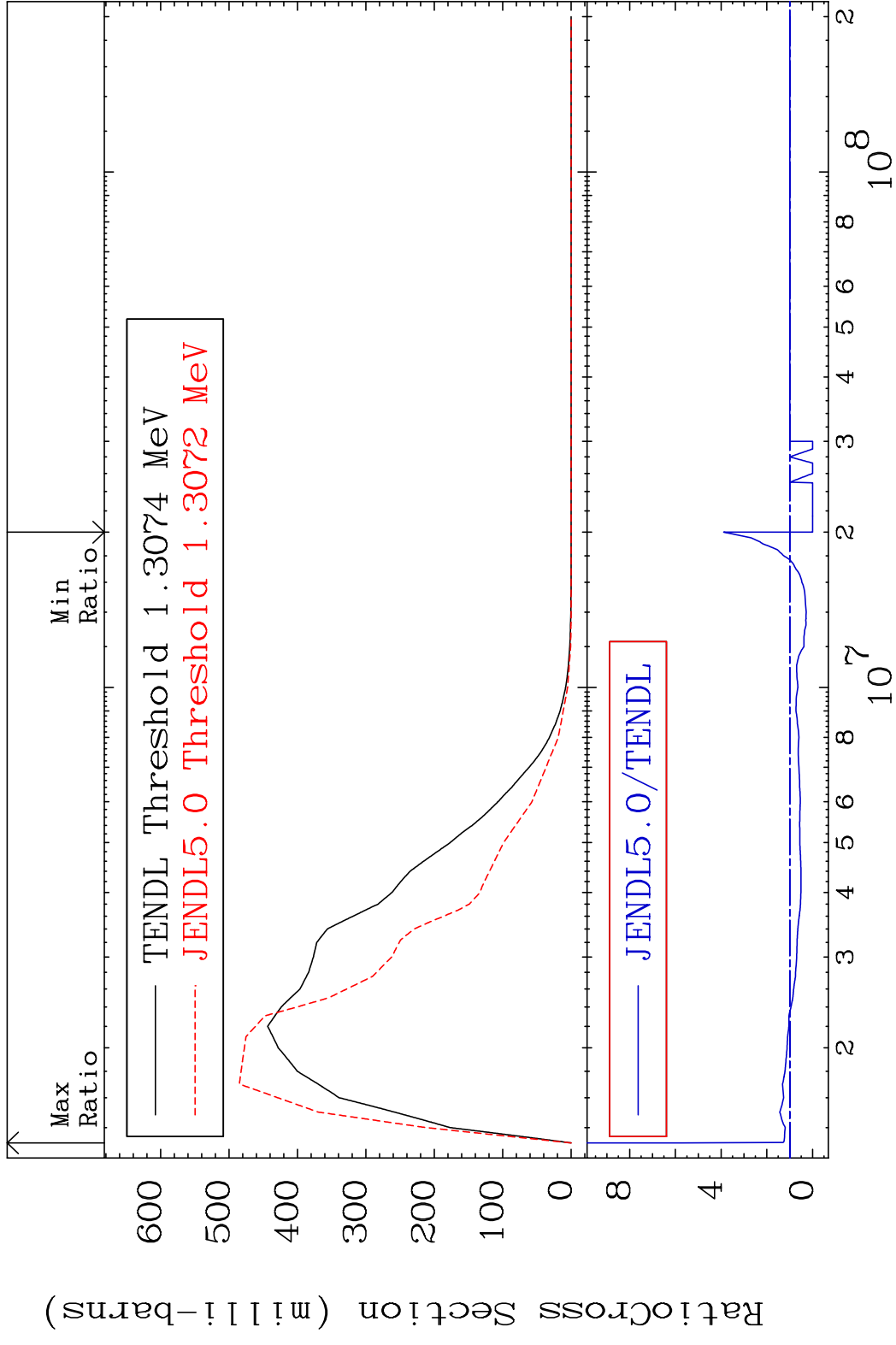
6

MAT 1525 (n, n') p 15-P -31  
 Cross Section -100.0 To 291.0 %

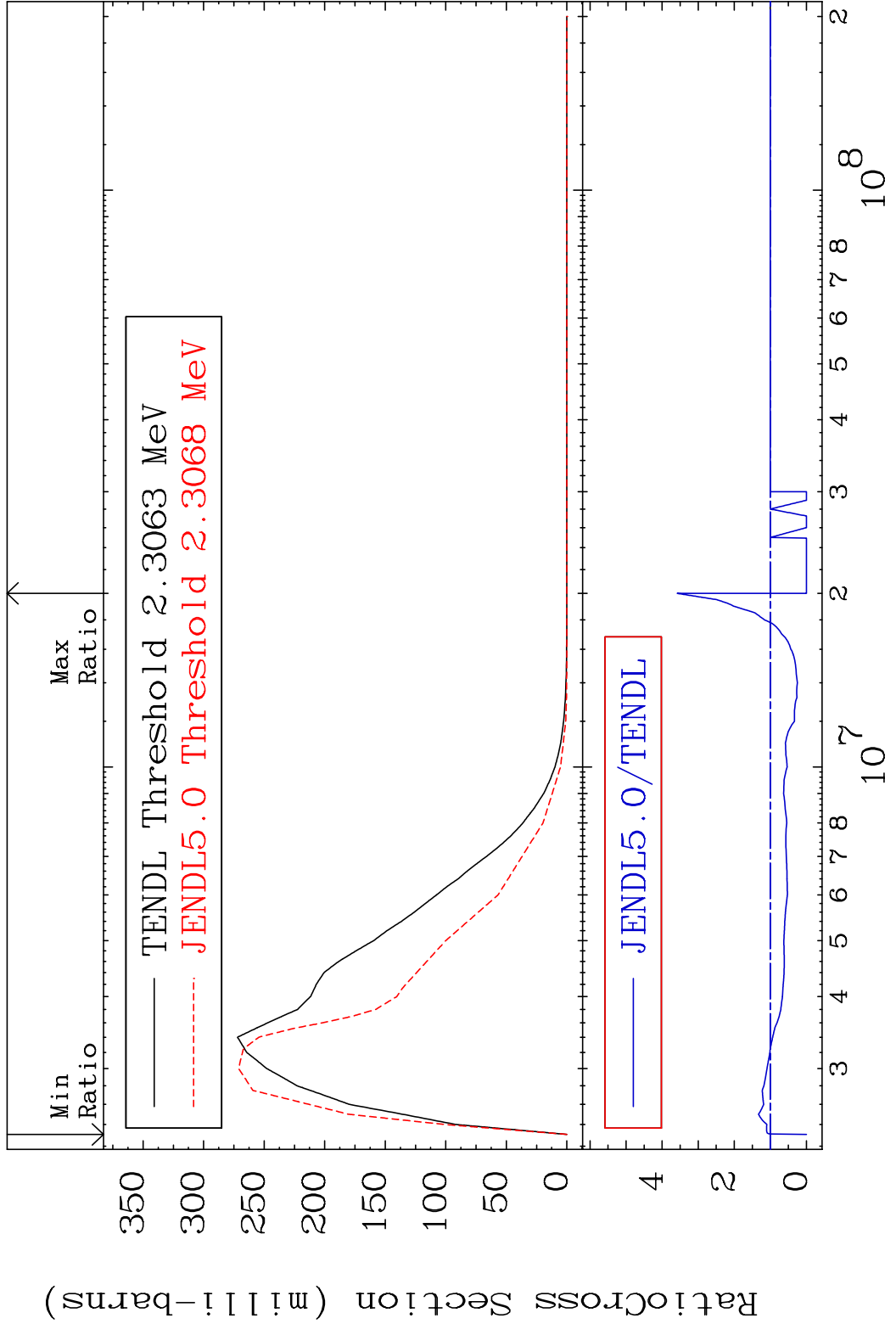


7 Incident Energy (eV) 15-P -31

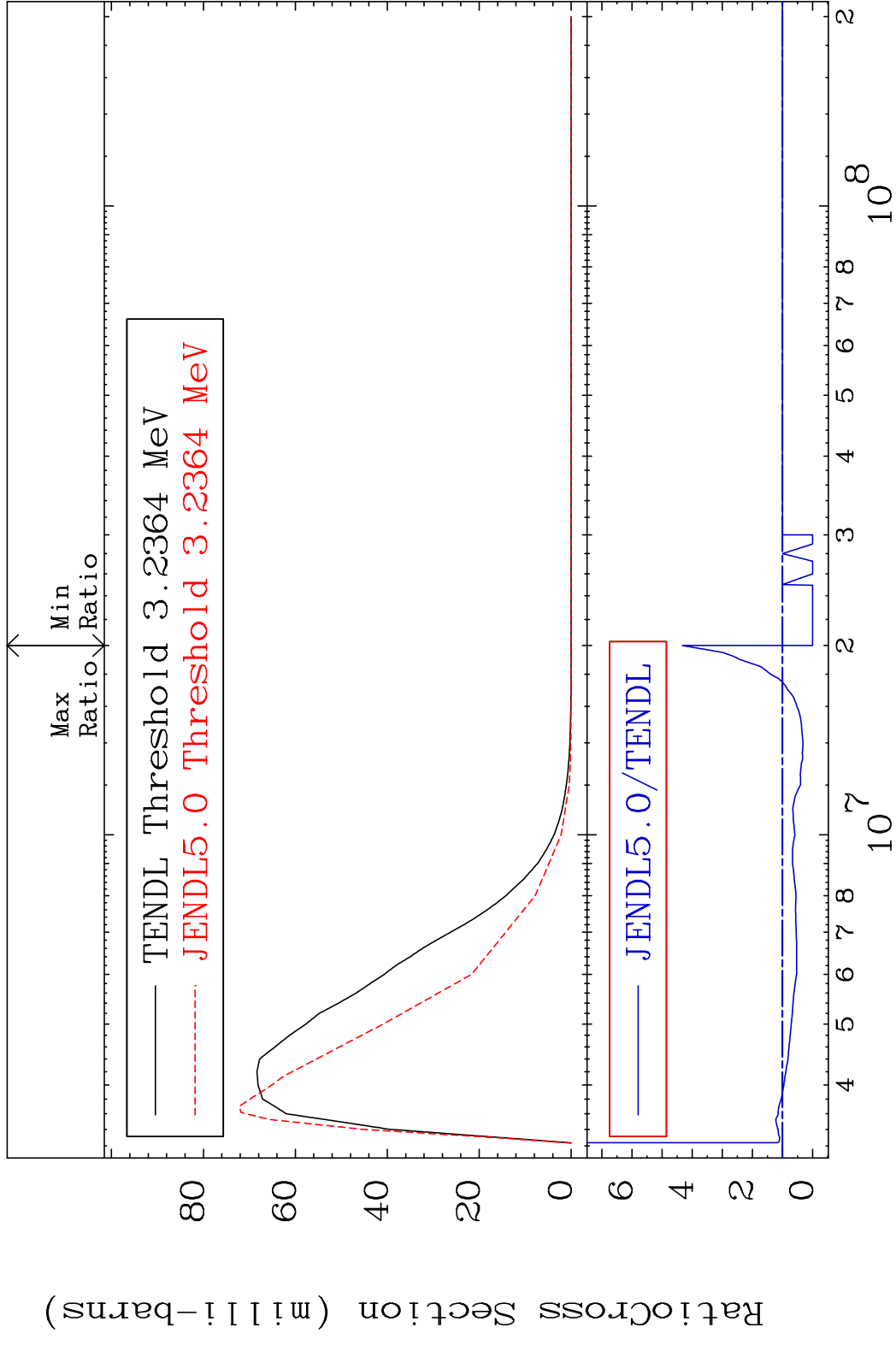
MAT 1525 MT= 51 (n, n') Level 15-P -31  
 Cross Section -100.0 To 469.7 %



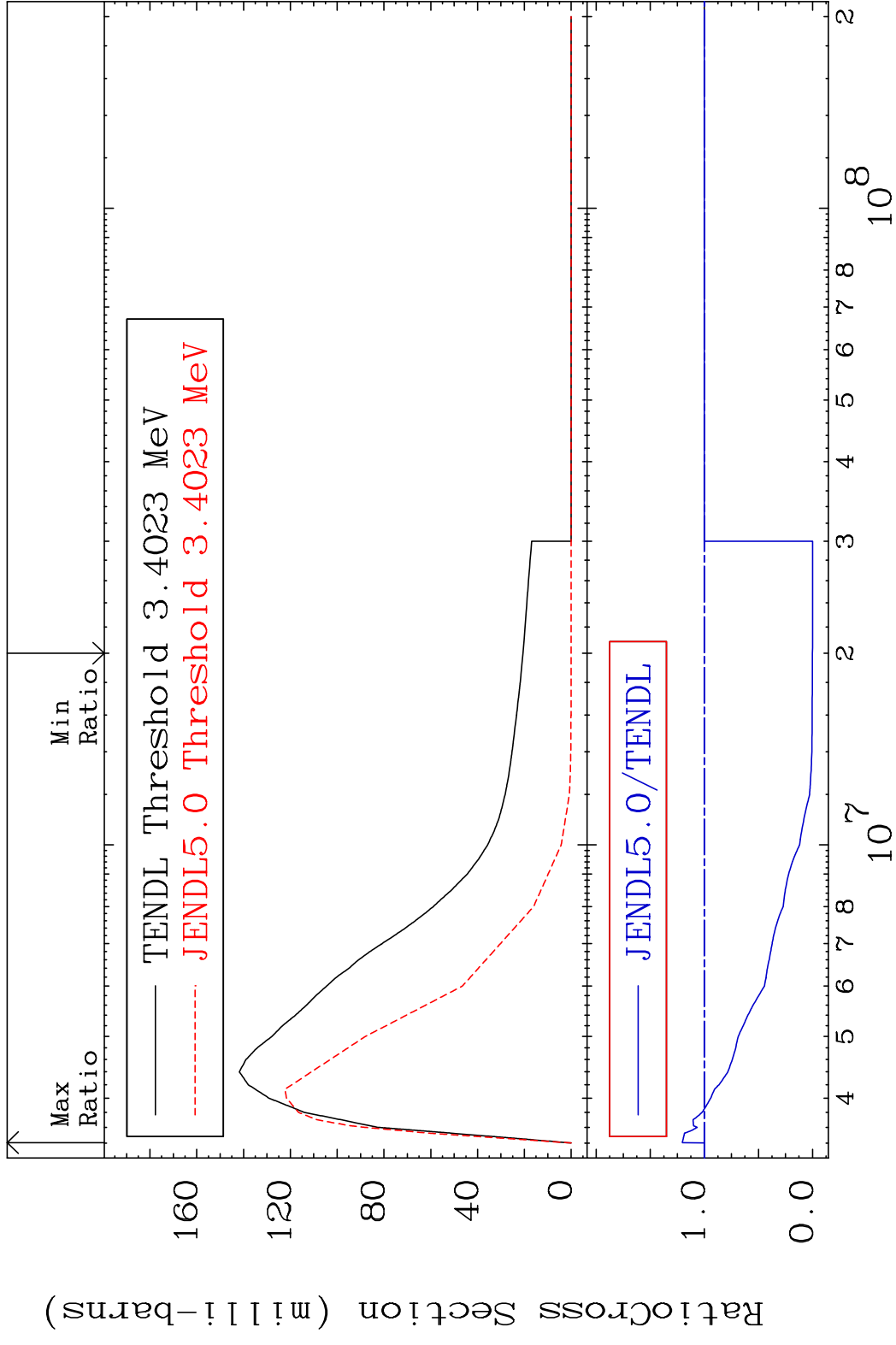
MAT 1525 MT= 52 (n, n') Level 15-P -31  
 Cross Section -100.0 To 258.3 %



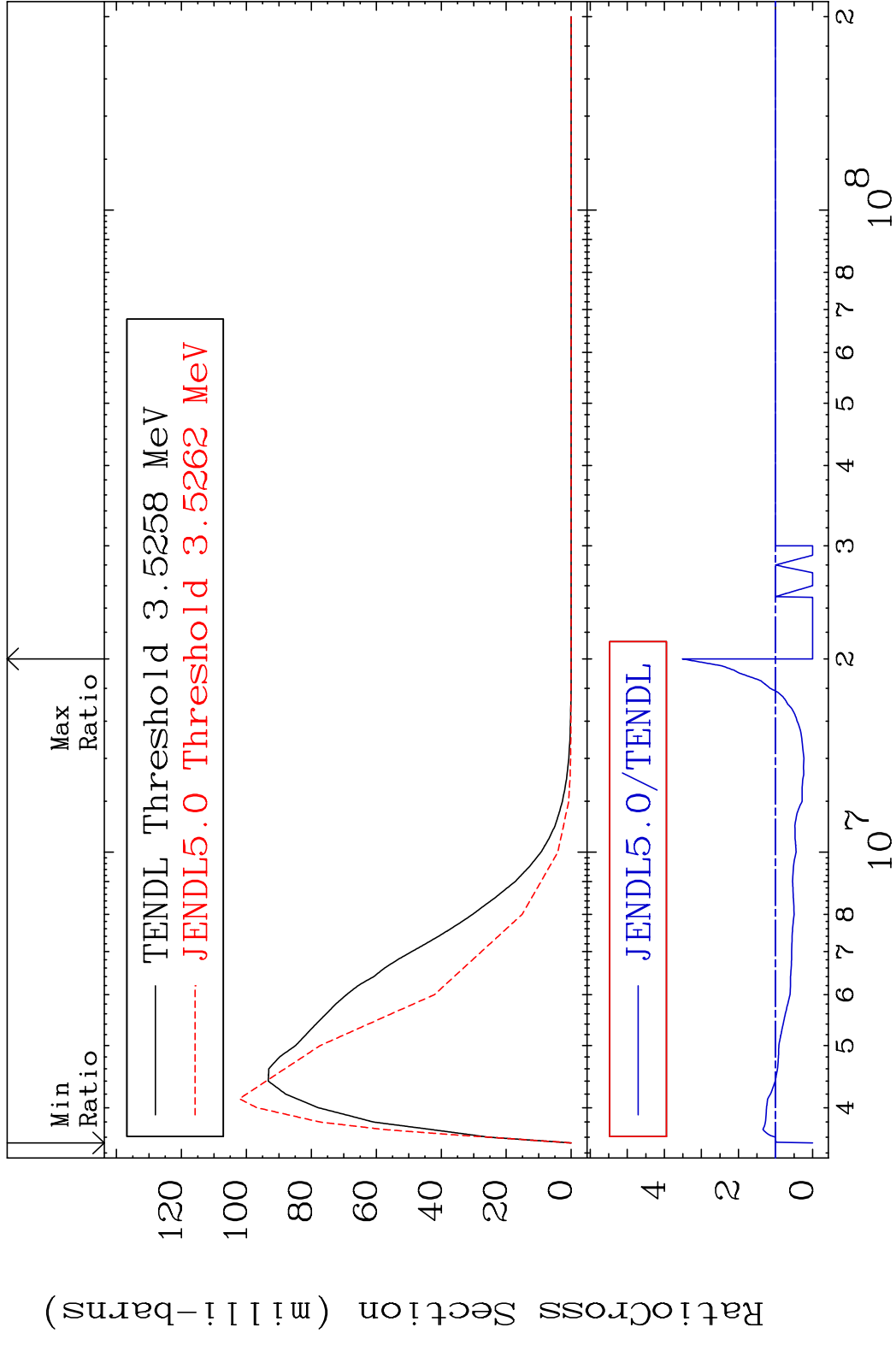
MAT 1525 MT= 53 (n, n') Level 15-P -31  
 Cross Section -100.0 To 332.6 %



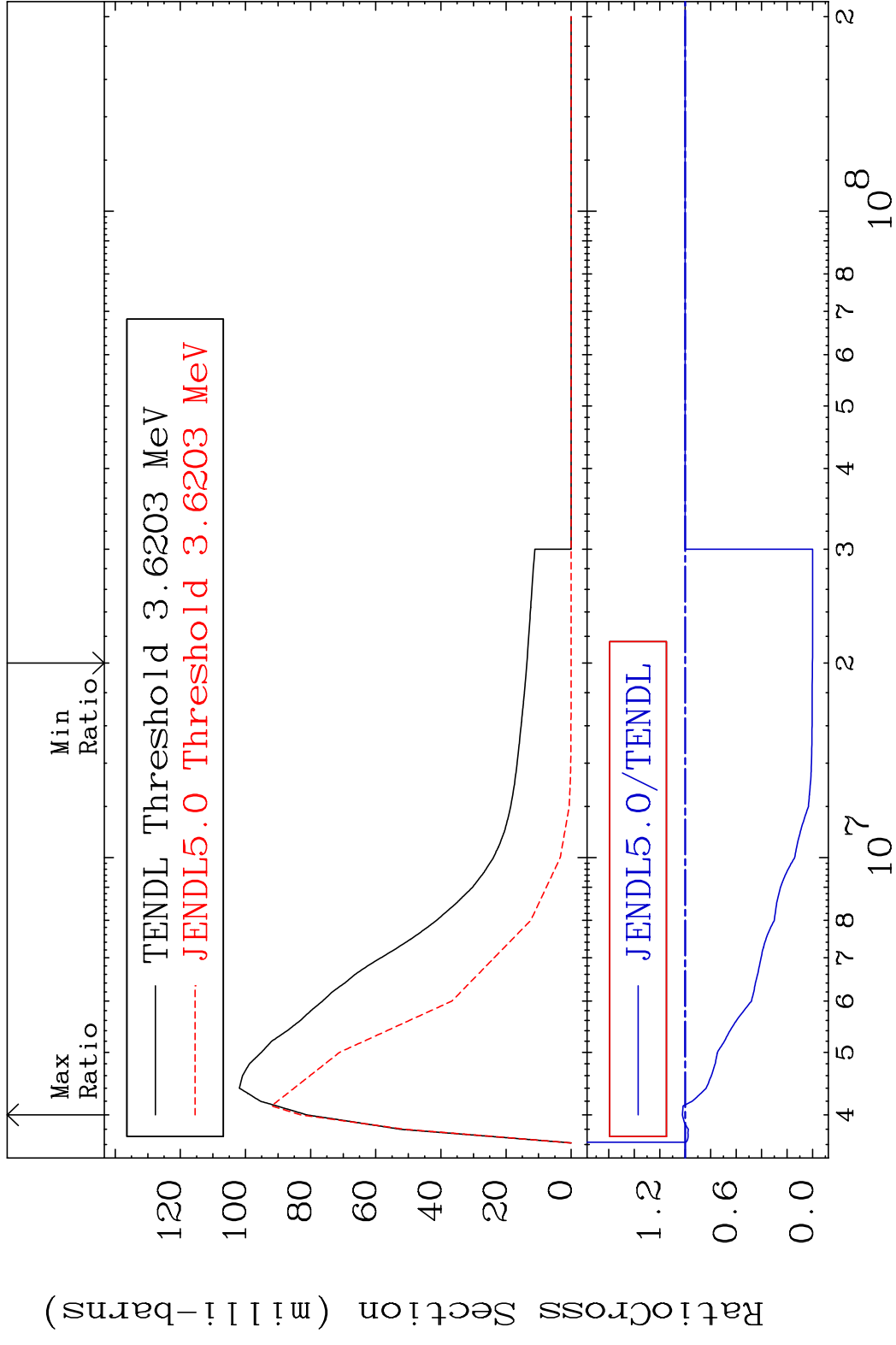
MAT 1525 MT= 54 (n,n') Level 15-P -31  
 Cross Section -100.0 To 20.35 %



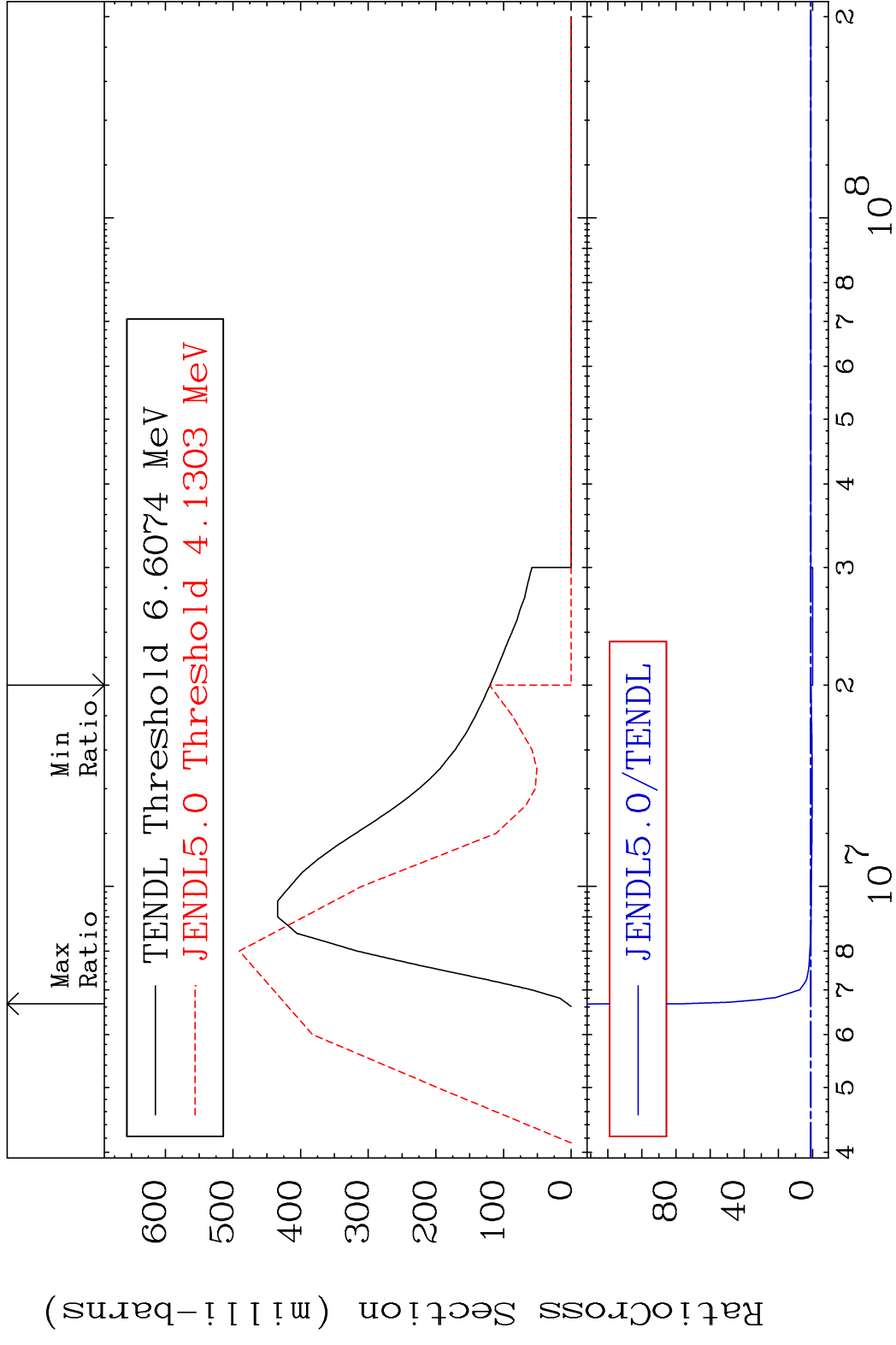
MAT 1525 MT= 55 (n,n') Level 15-P -31  
 Cross Section -100.0 To 251.4 %



MAT 1525 MT= 56 (n,n') Level 15-P -31  
 Cross Section -100.0 To 2.262 %



MAT 1525 (n,n') Continuum 15-P -31  
 Cross Section -100.0 To 7529. %

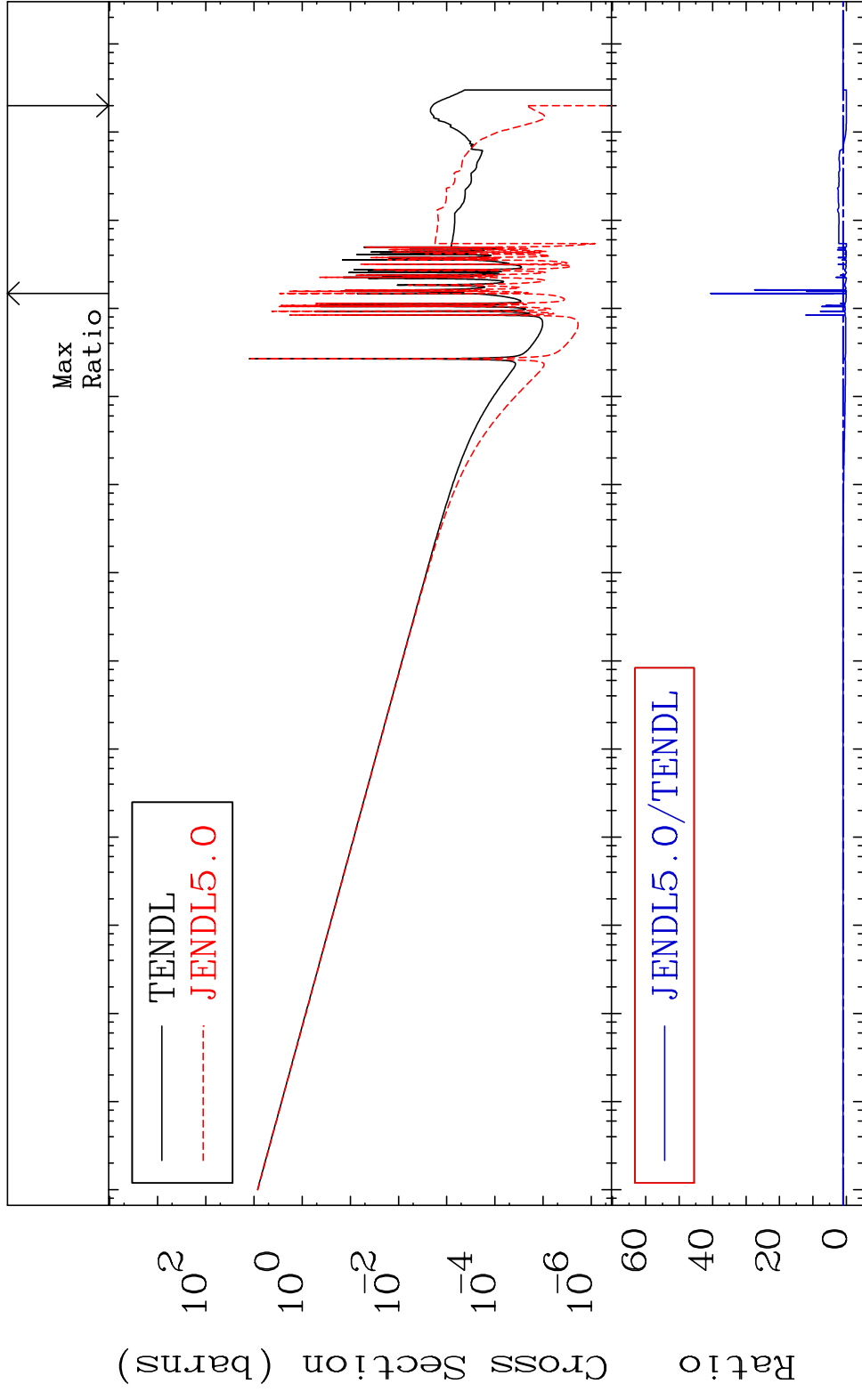


MAT 1525

(n,  $\gamma$ )

15-P -31

Cross Section -100.0 To 3957. %



15

Incident Energy (eV)

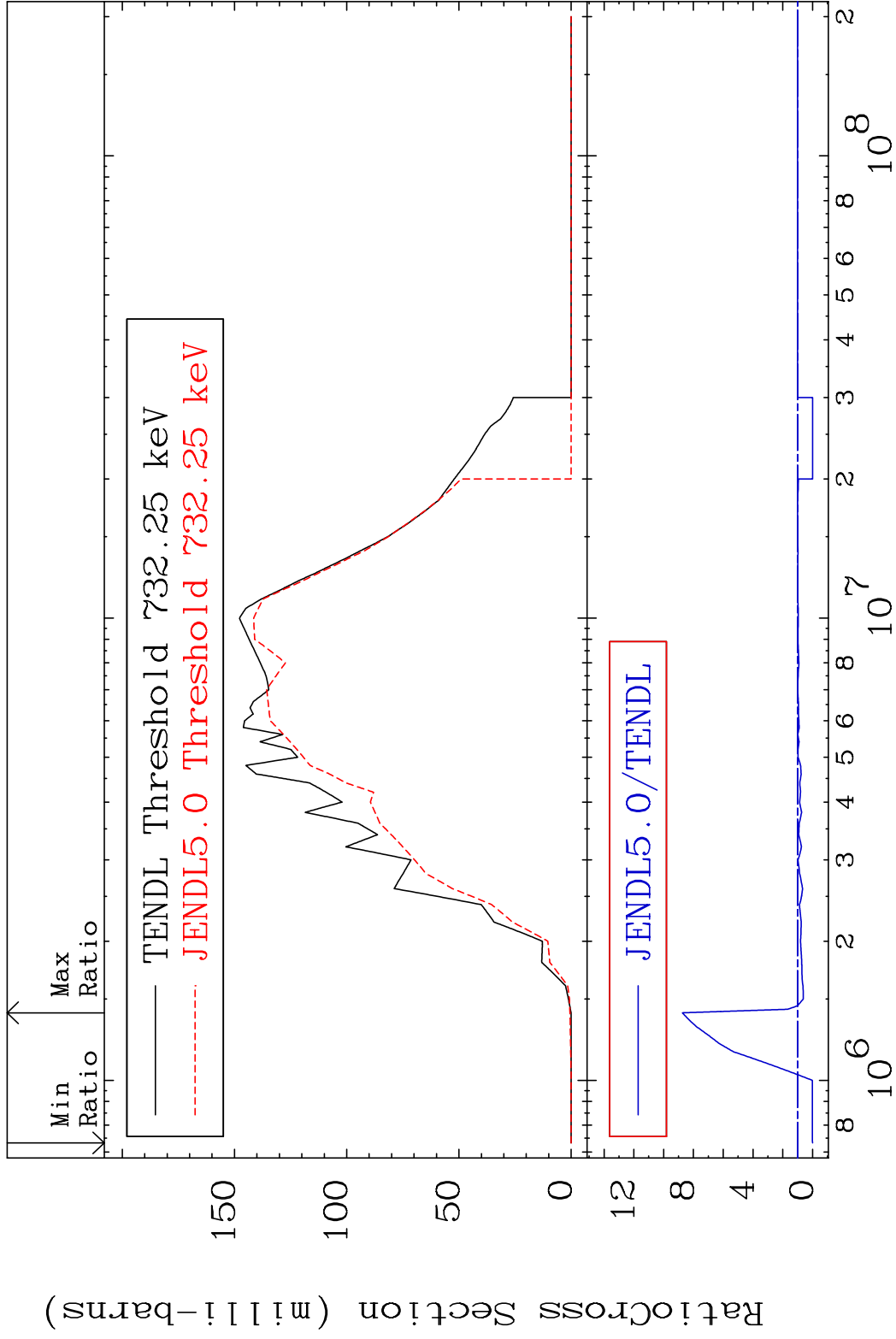
15-P -31

MAT 1525

(n,p)

15-P -31

Cross Section -100.0 To 774.3 %

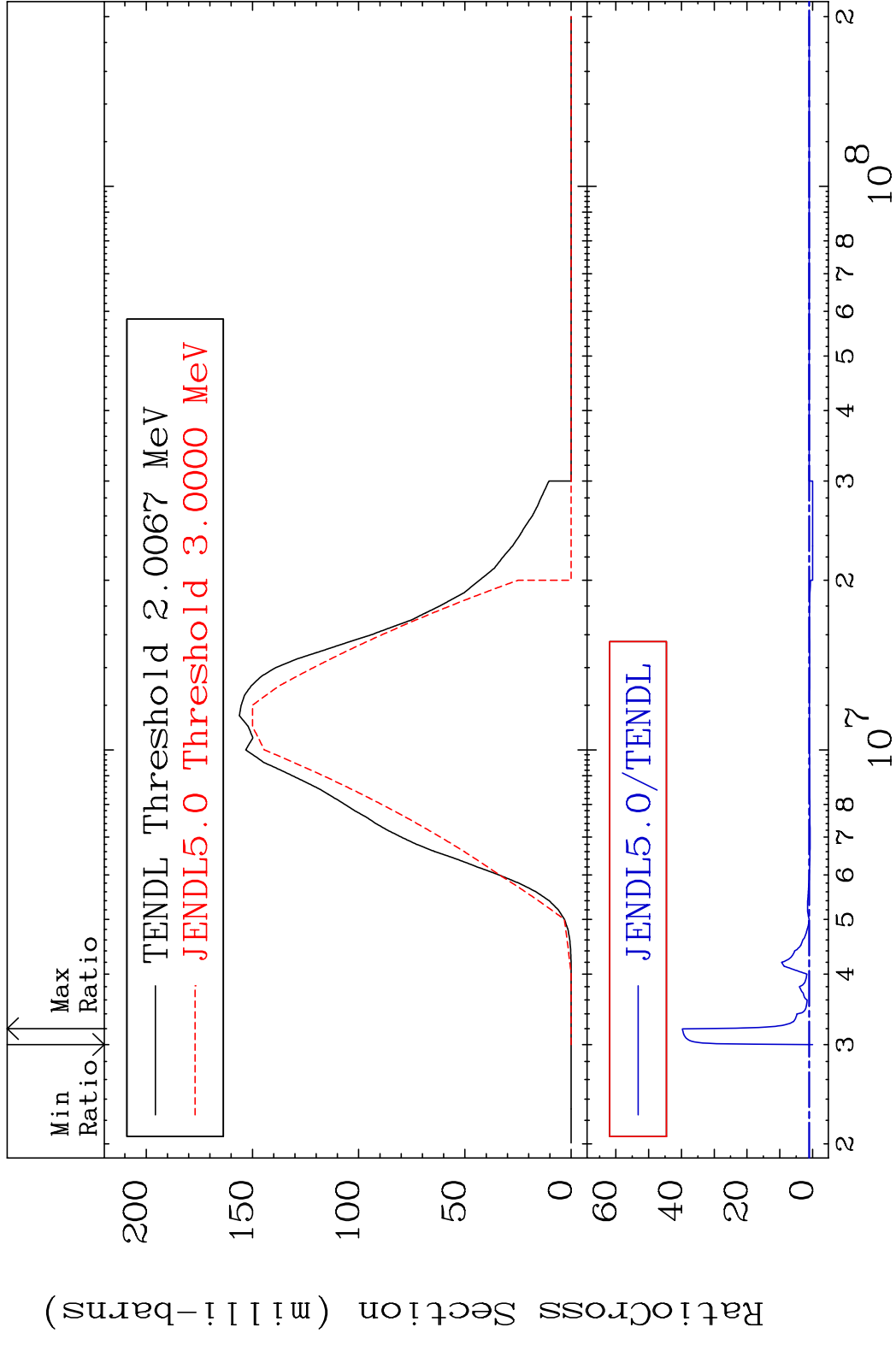


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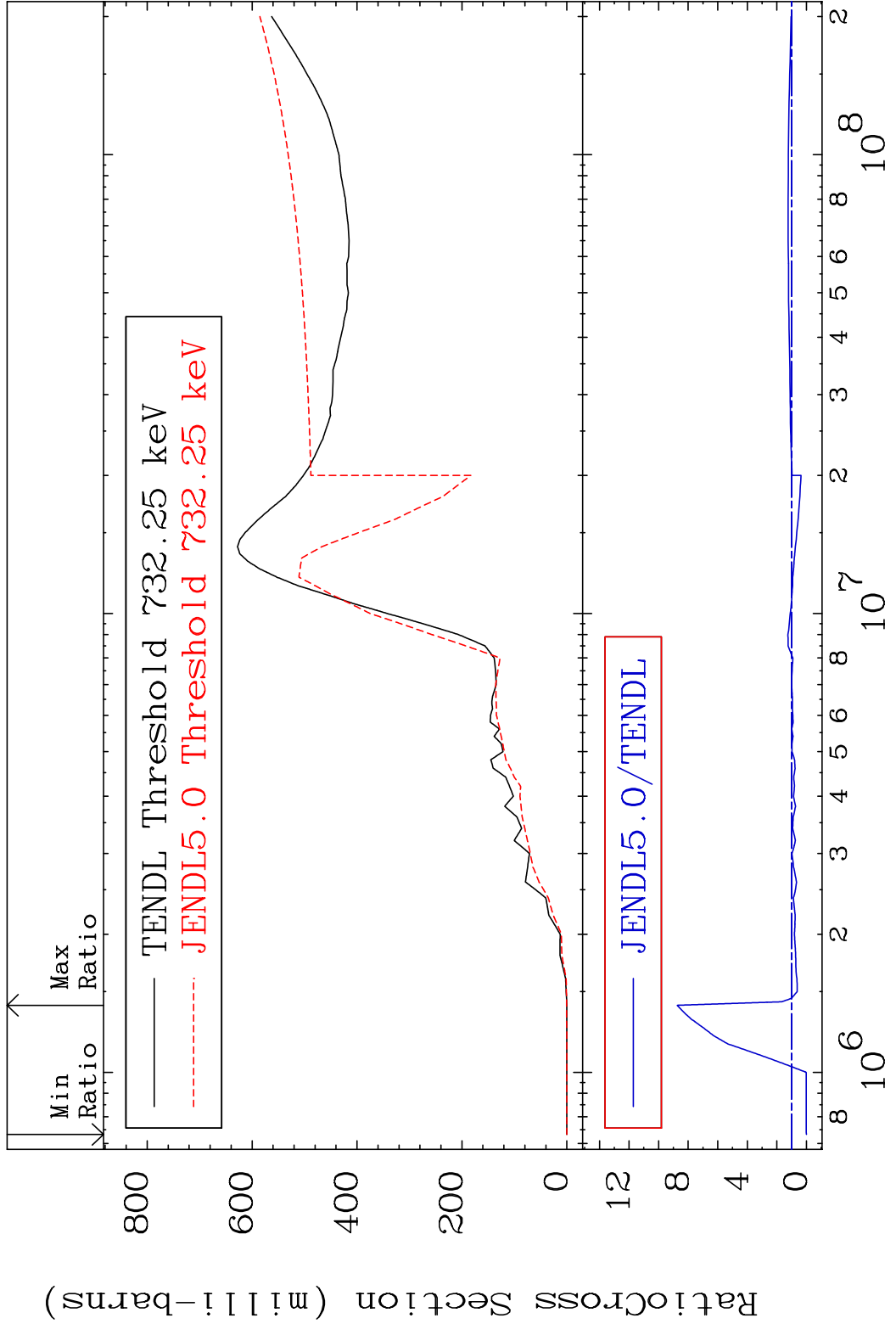
Incident Energy (eV)

15-P -31

MAT 1525 (n,  $\alpha$ ) 15-P -31  
 Cross Section -100.0 To 3872. %

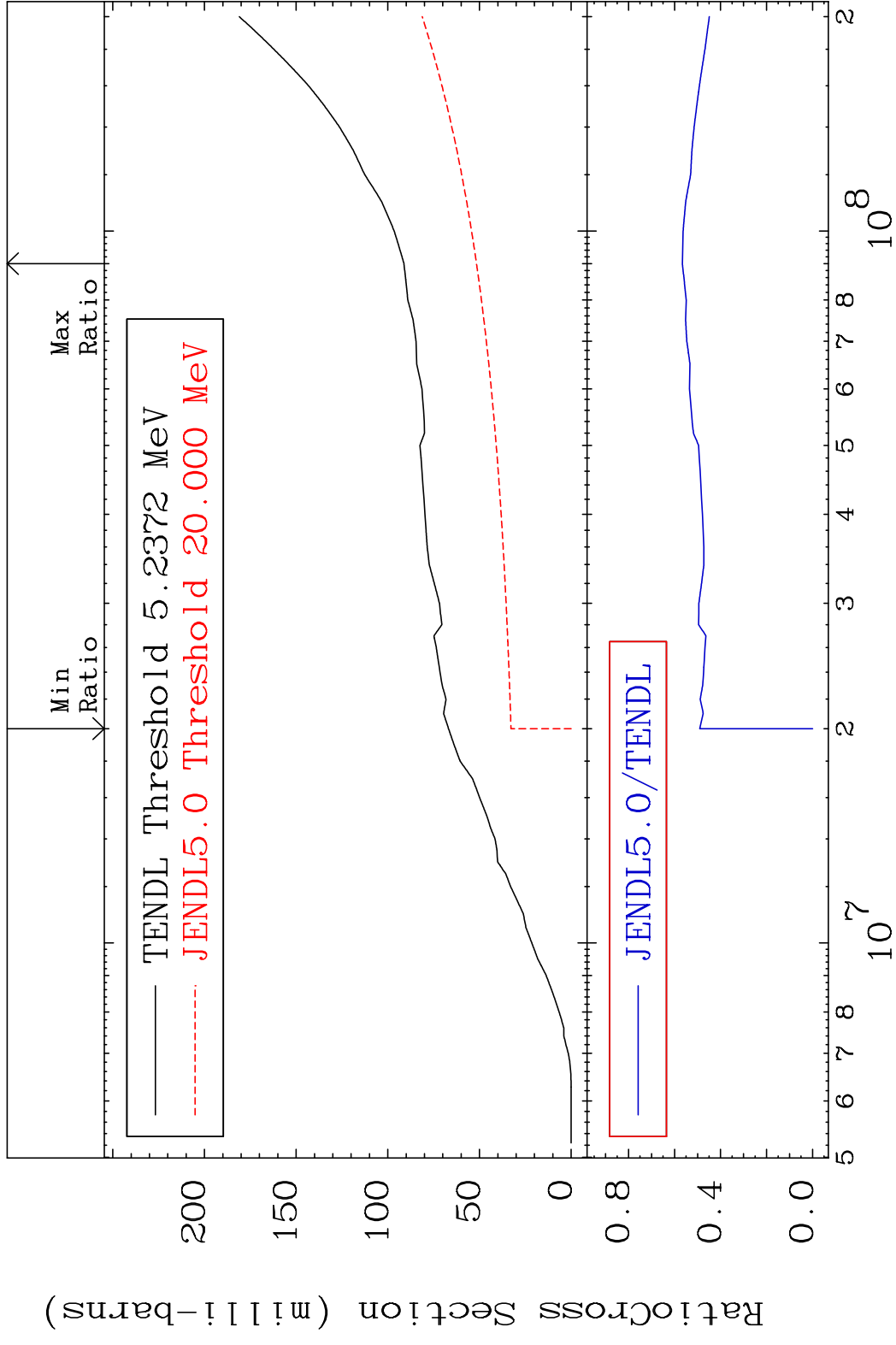


MAT 1525 Hydrogen Production 15-P -31  
 Cross Section -100.0 To 774.3 %

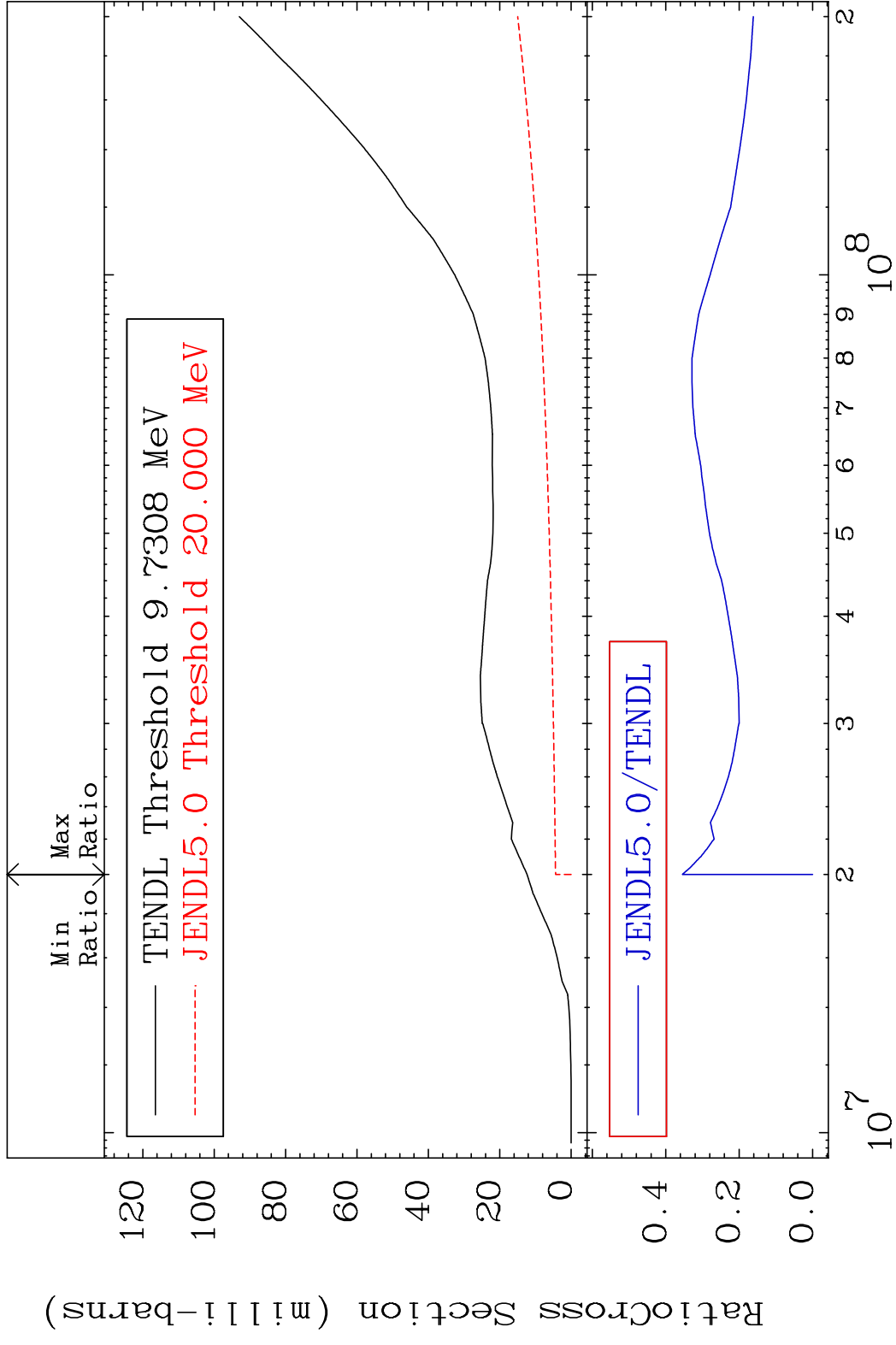


18 15-P -31

MAT 1525 Deuterium Production 15-P -31  
 Cross Section -100.0 To -43.38%



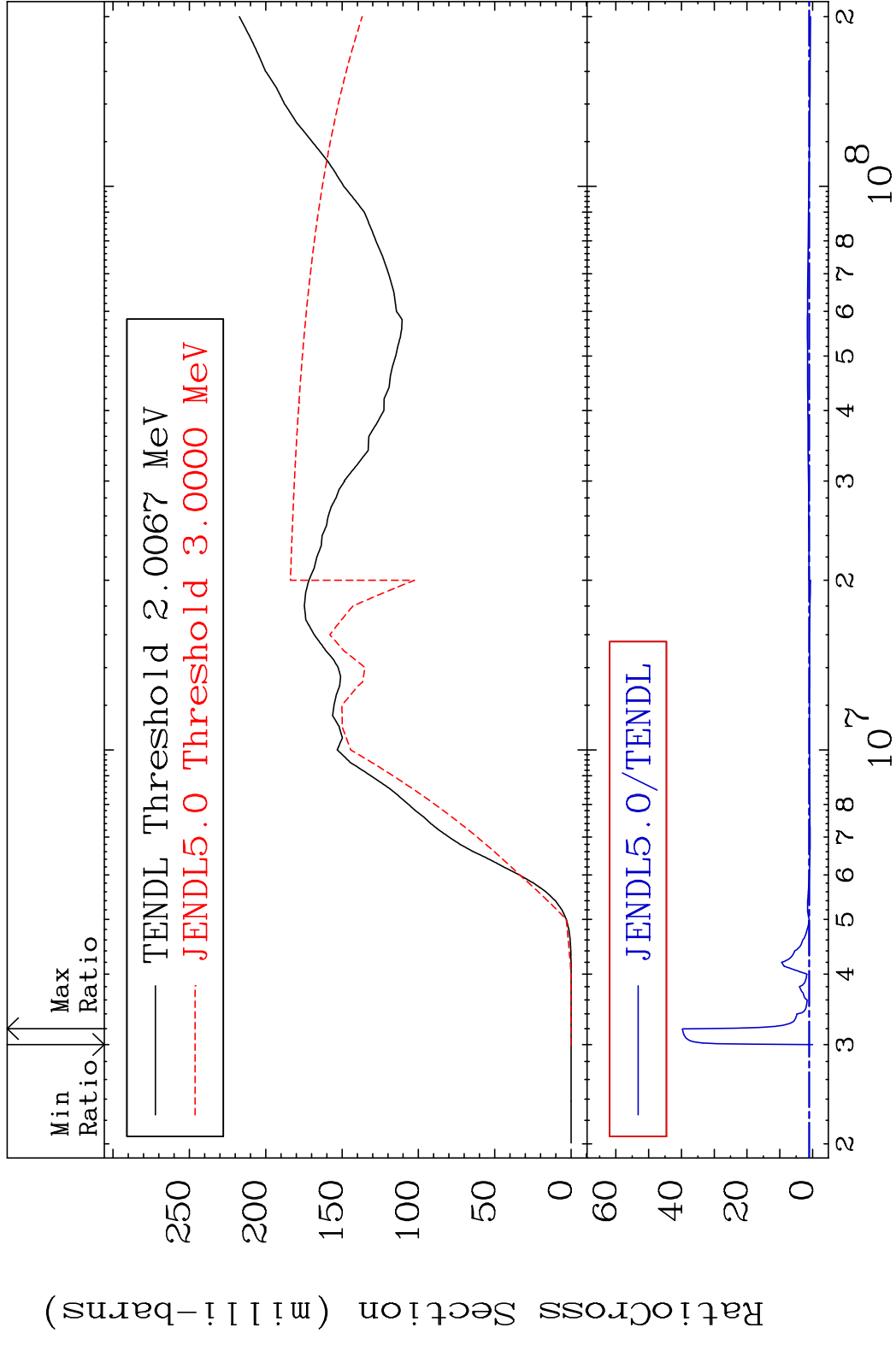
MAT 1525 Tritium Production 15-P -31  
 Cross Section -100.0 To -64.53%



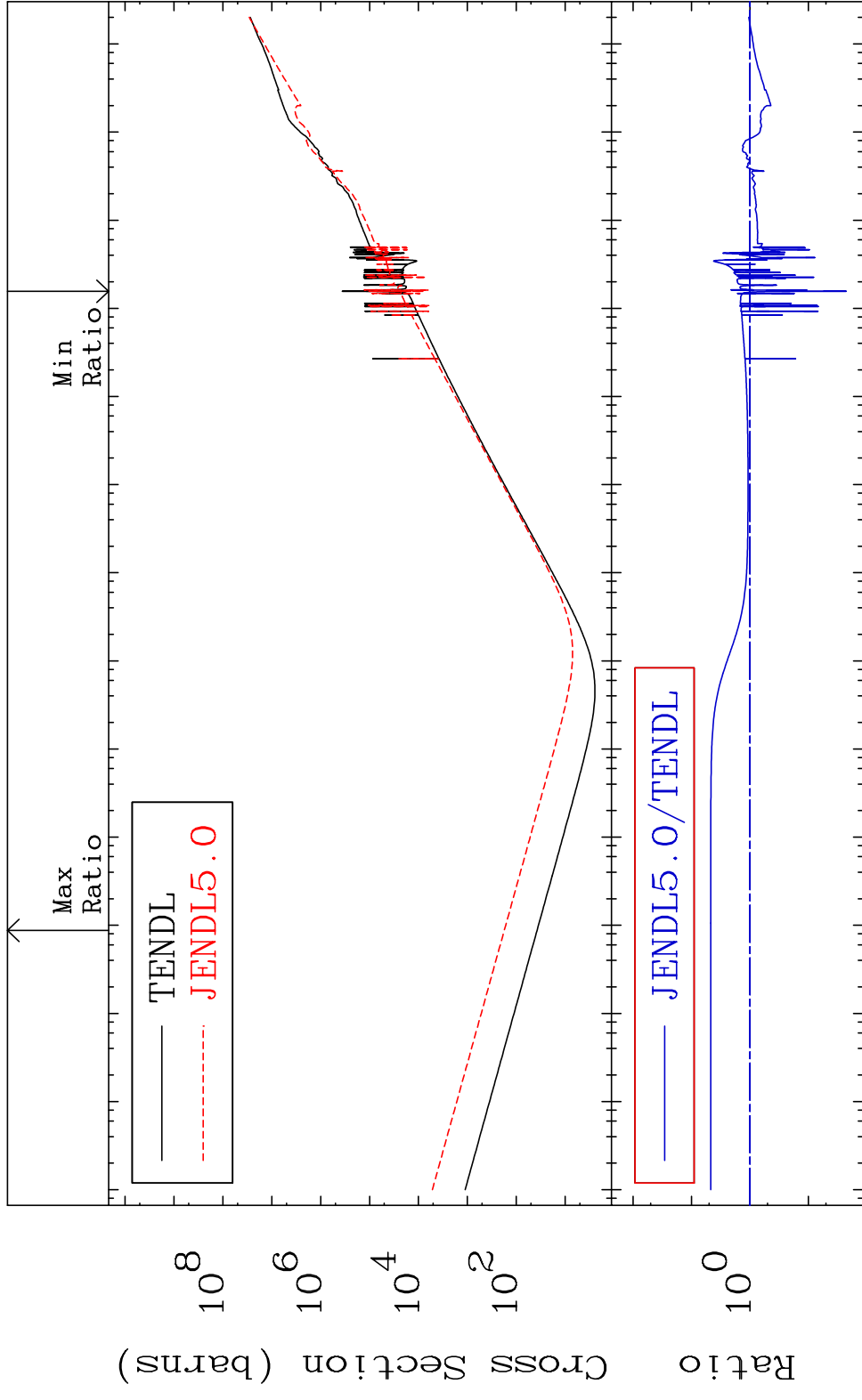
20 Incident Energy (eV) 15-P -31



Cross Section -100.0 To 3872. %

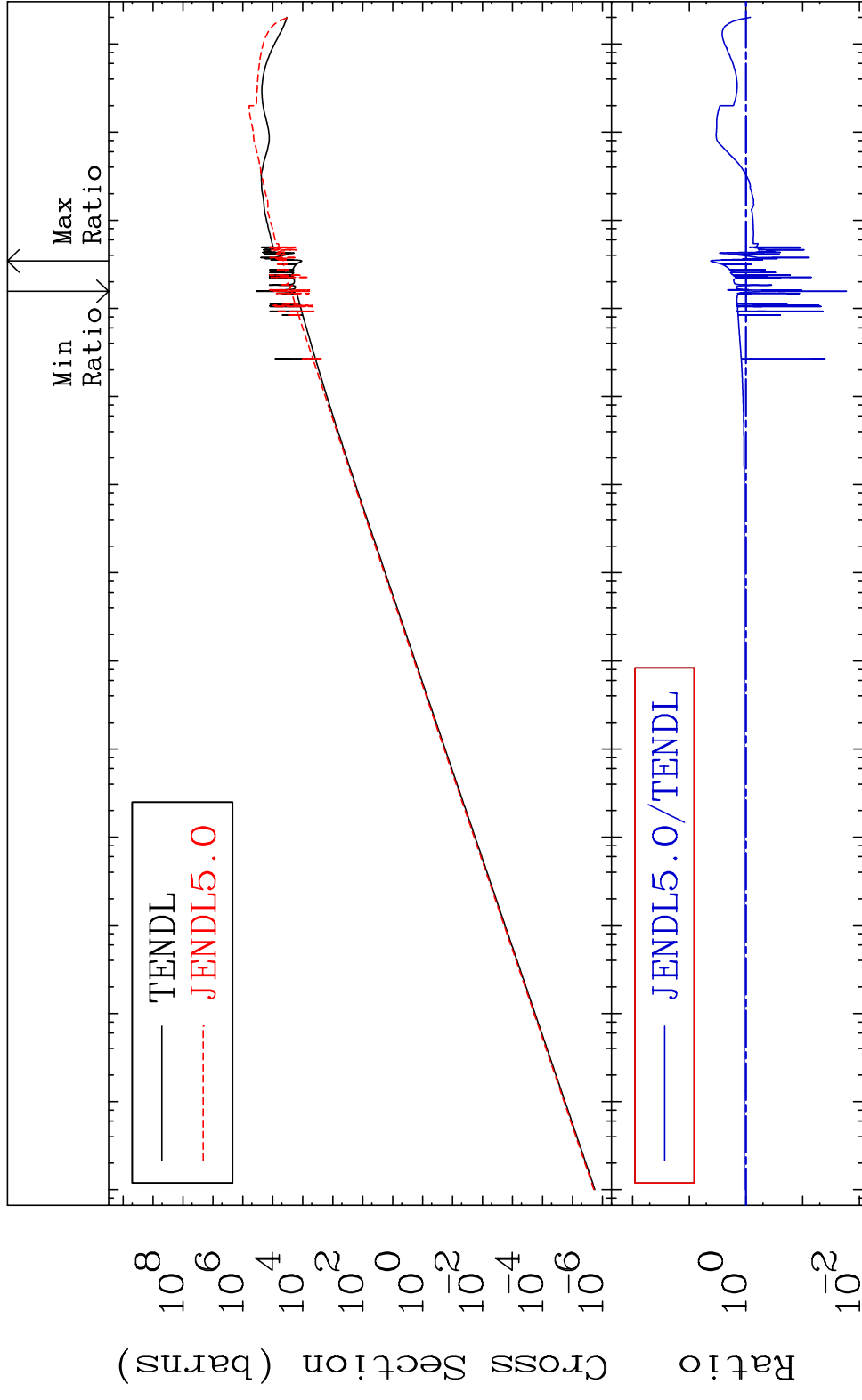


MAT 1525 Kerma total (eV-barns) 15-P -31  
 Cross Section -97.76 To 368.5 %



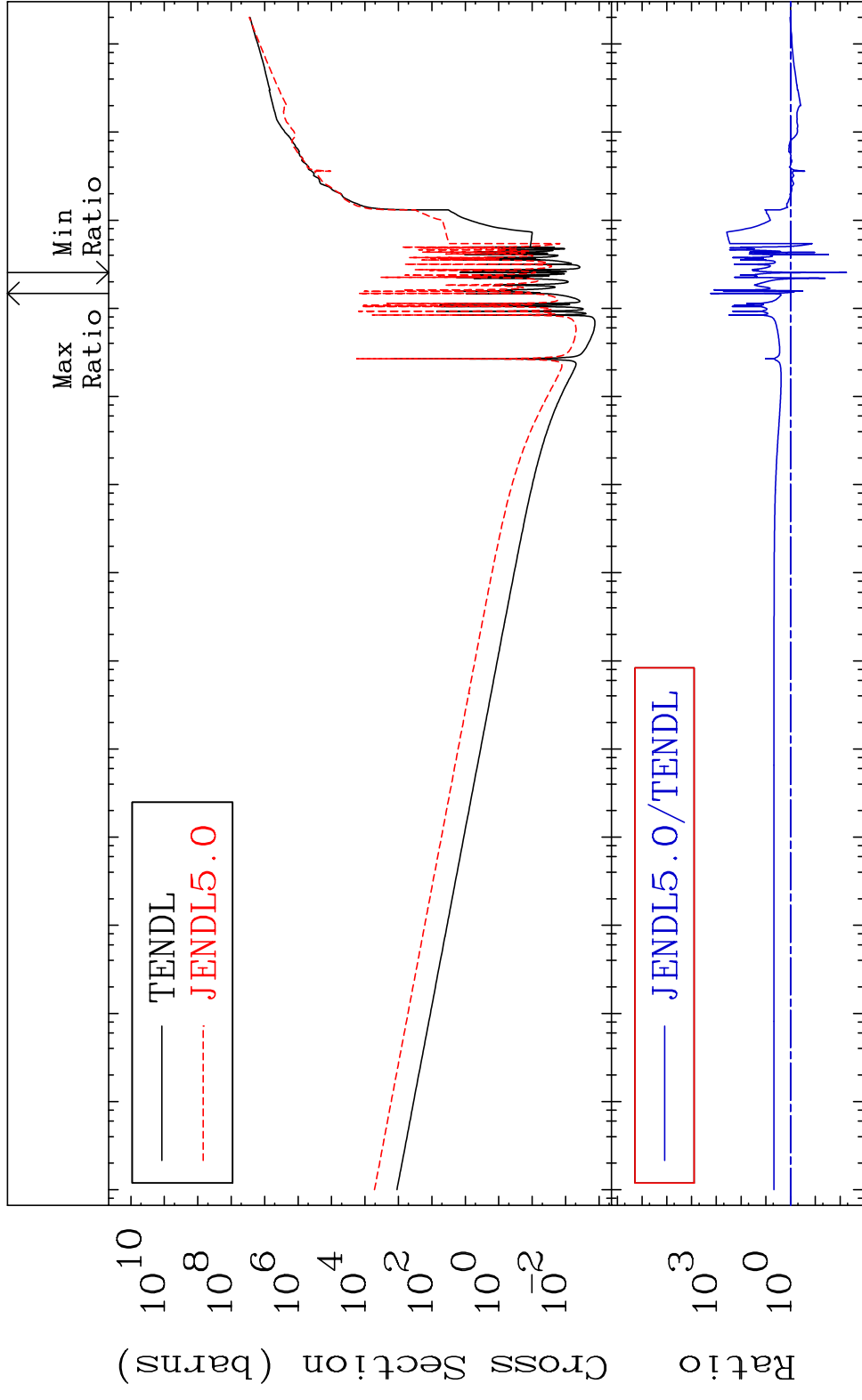
23 Incident Energy (eV) 15-P -31

MAT 1525 Kerma elastic Cross Section 15-P -31  
 -98.30 To 318.6 %



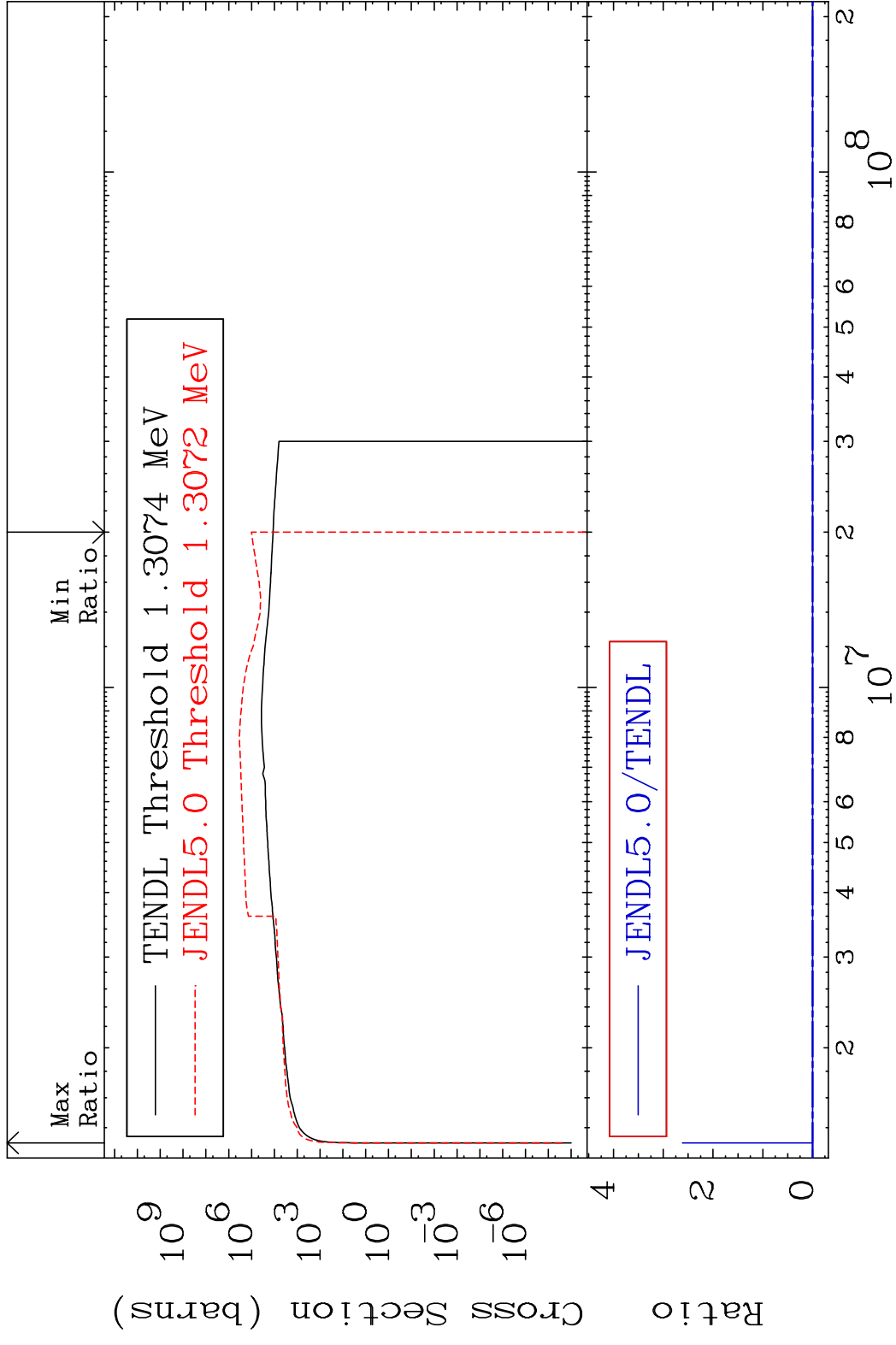
24 Incident Energy (eV) 15-P -31

MAT 1525 Kerma non-elastic (all but mt2) 15-P -31  
 Cross Section -99.44 To 9999. %

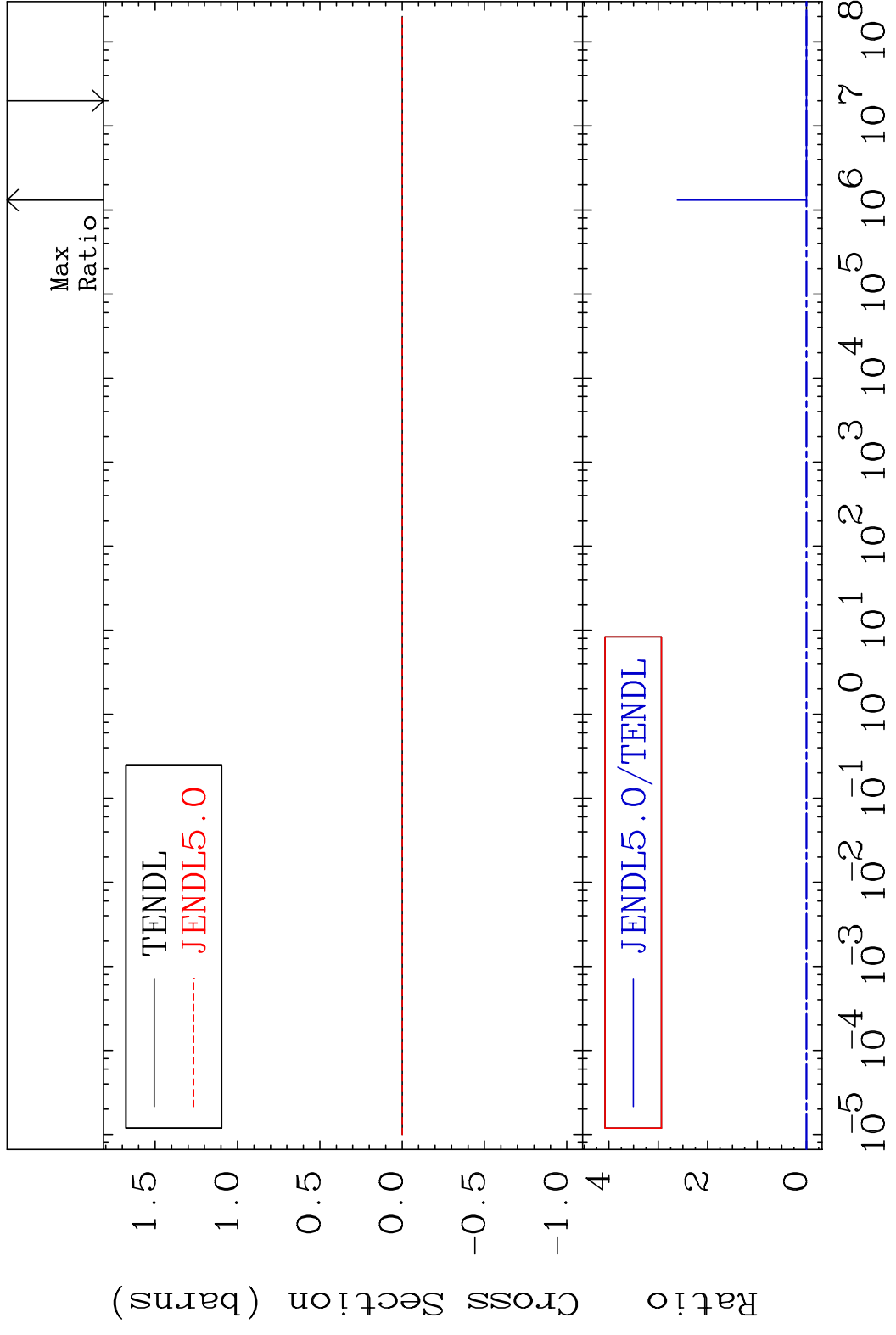


25 Incident Energy (eV) 15-P -31

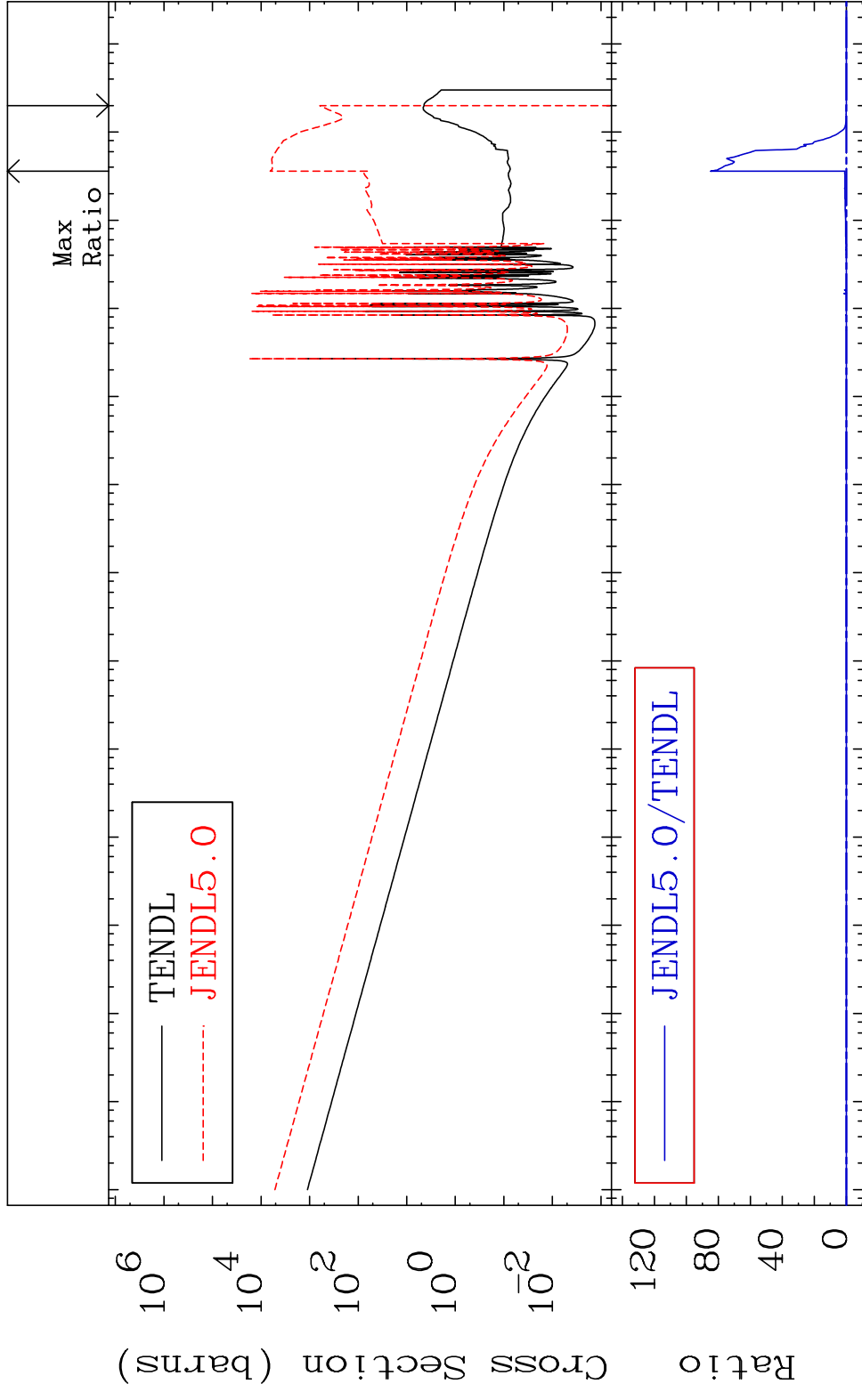
MAT 1525 Kerma inelastic (mt51-91) 15-P -31  
 Cross Section -100.0 To 9999. %



MAT 1525 Kerma fission (mt18 or mt19-20-21-38) 15-P -31  
 Cross Section -100.0 To 9999. %

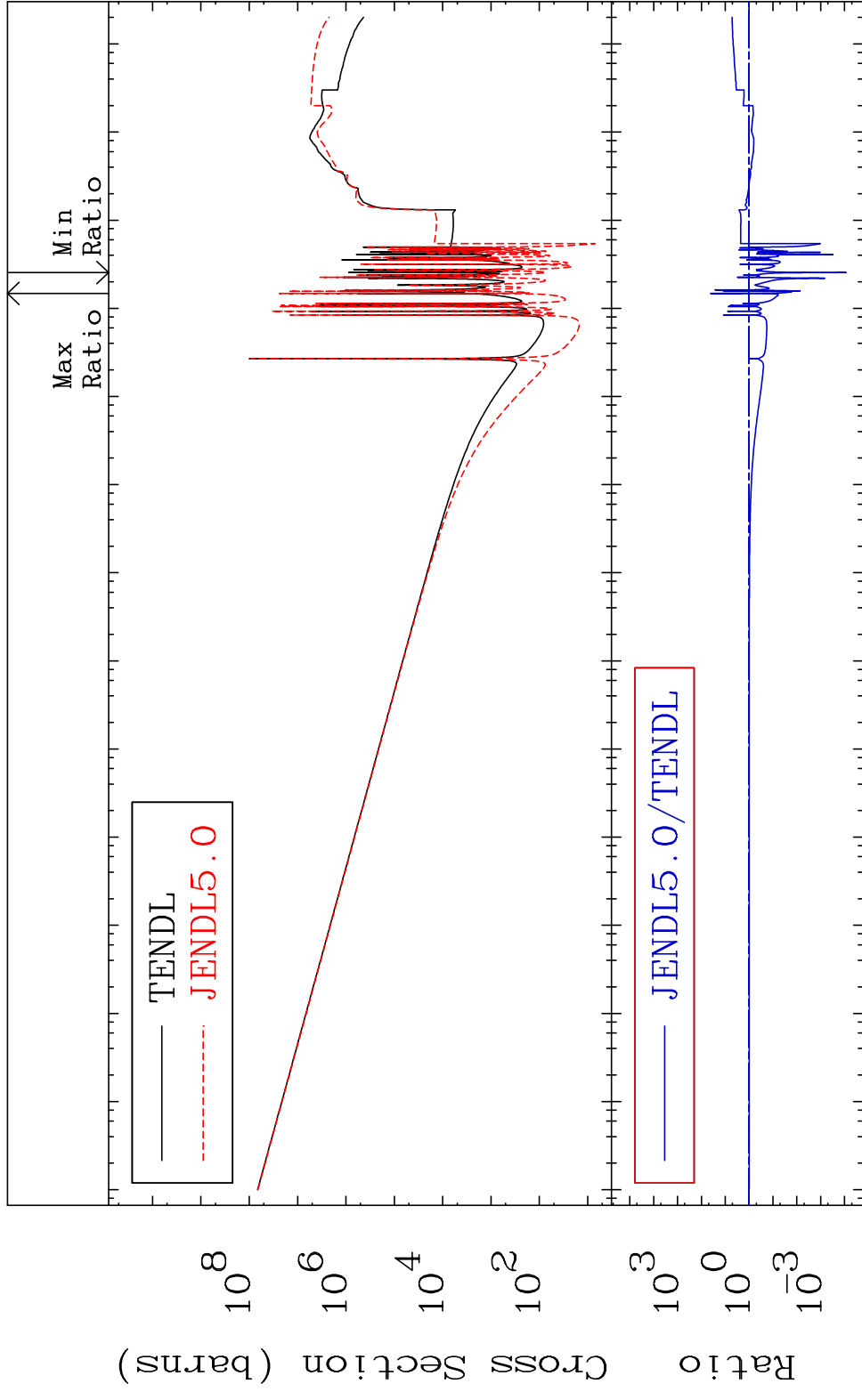


MAT 1525 Kerma capture (mt102) 15-P -31  
 Cross Section -100.0 To 9999. %



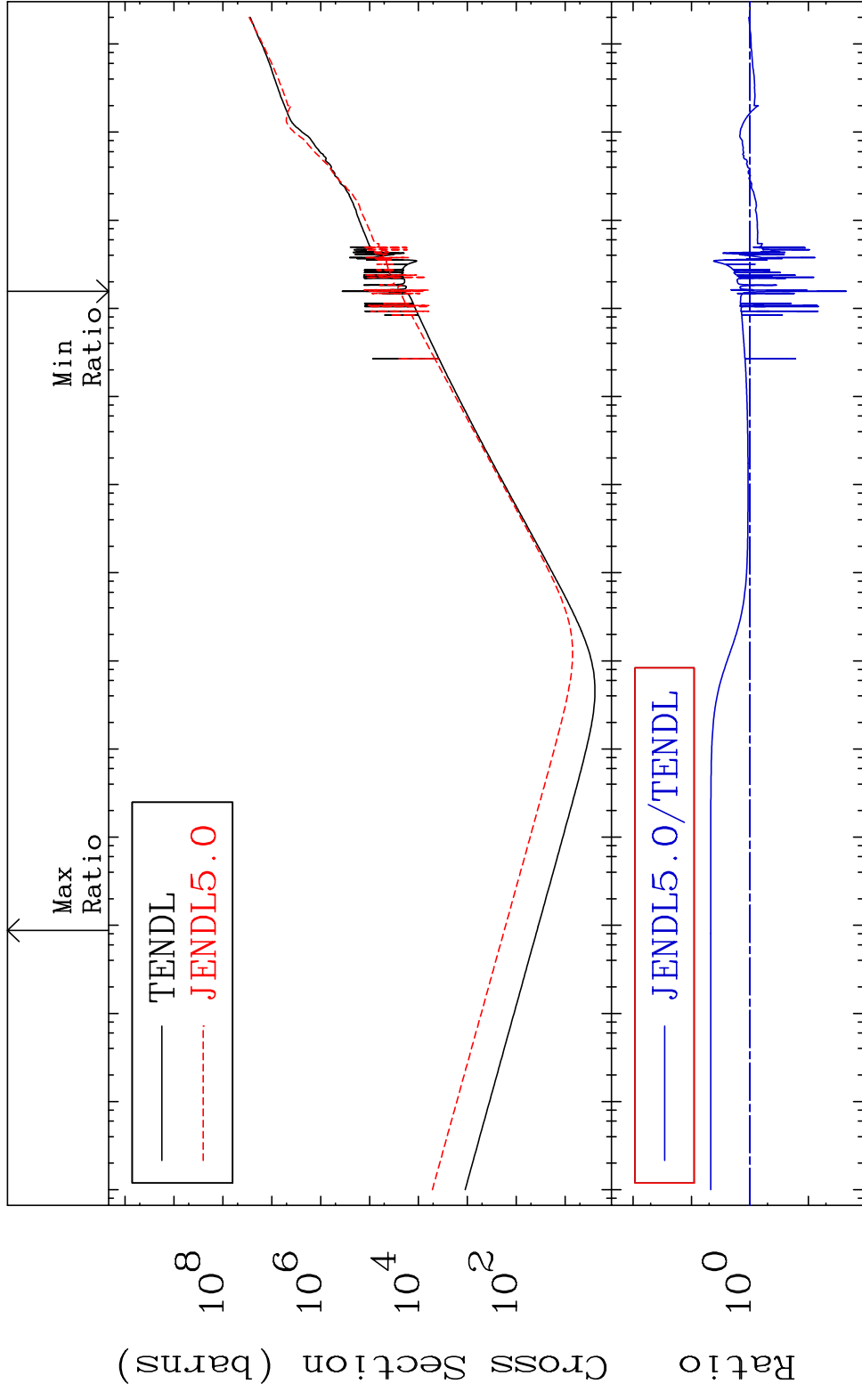
28 Incident Energy (eV) 15-P -31

MAT 1525 Total photon (eV-barns) 15-P -31  
 Cross Section -99.99 To 3959. %



29 Incident Energy (eV) 15-P -31

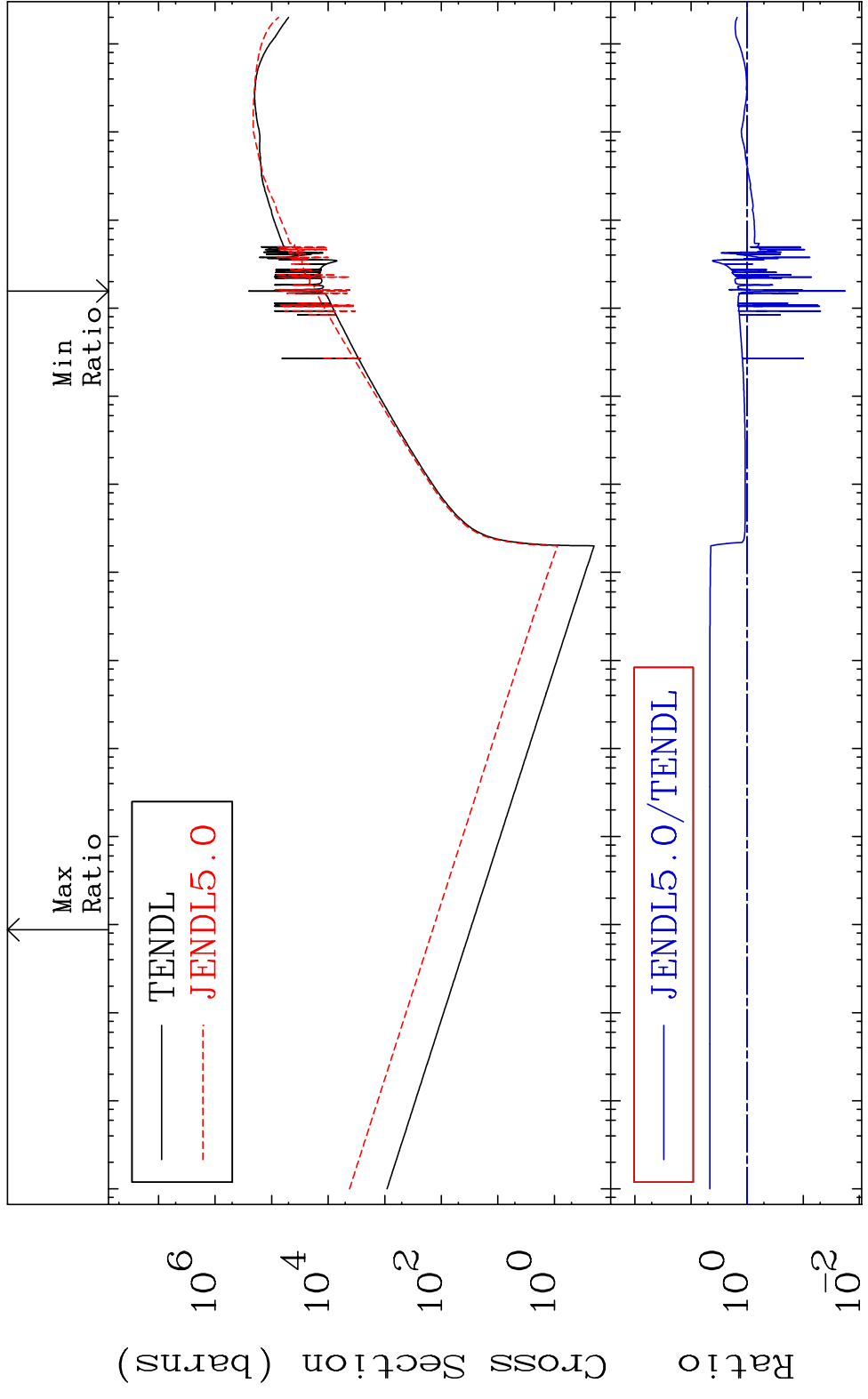
MAT 1525 Total kinematic kerma (high limit) 15-P -31  
 Cross Section -97.76 To 368.5 %



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

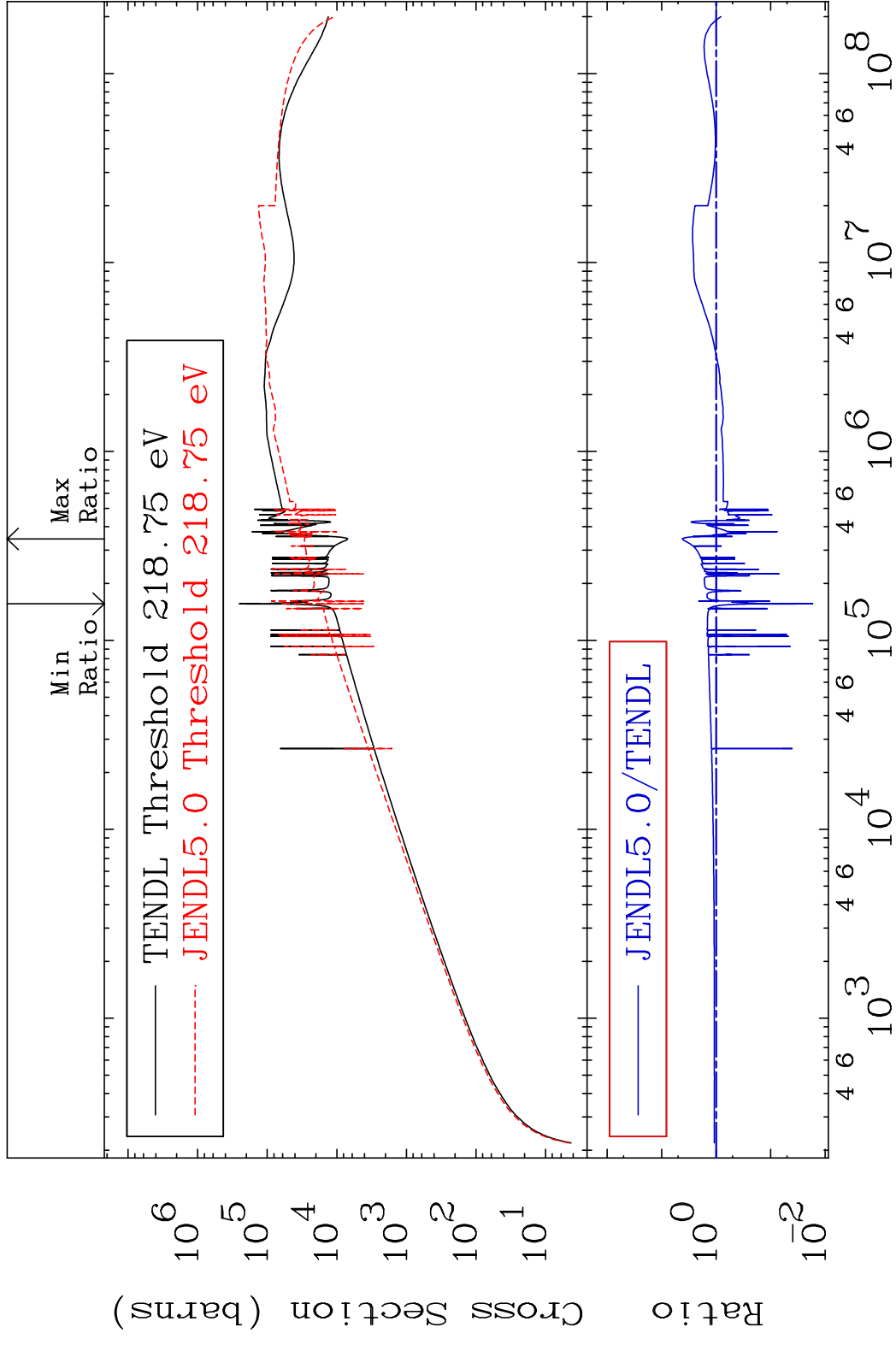
30 Incident Energy (eV) 15-P -31

MAT 1525 Dpa total (eV-barns) 15-P -31  
 Cross Section -98.22 To 362.2 %

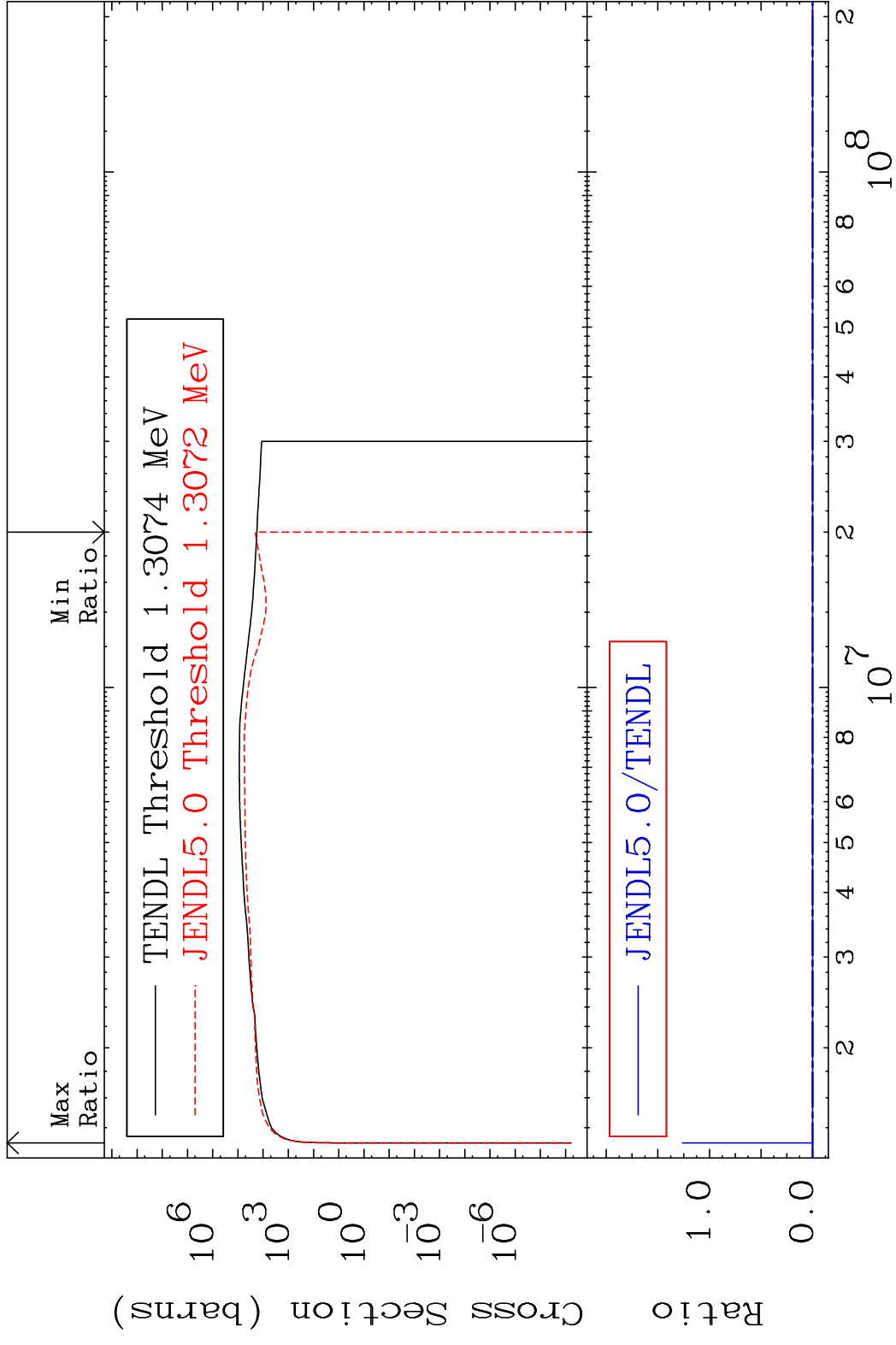


Ratio  
 Cross Section (barns)  
 Incident Energy (eV)  
 31 15-P -31

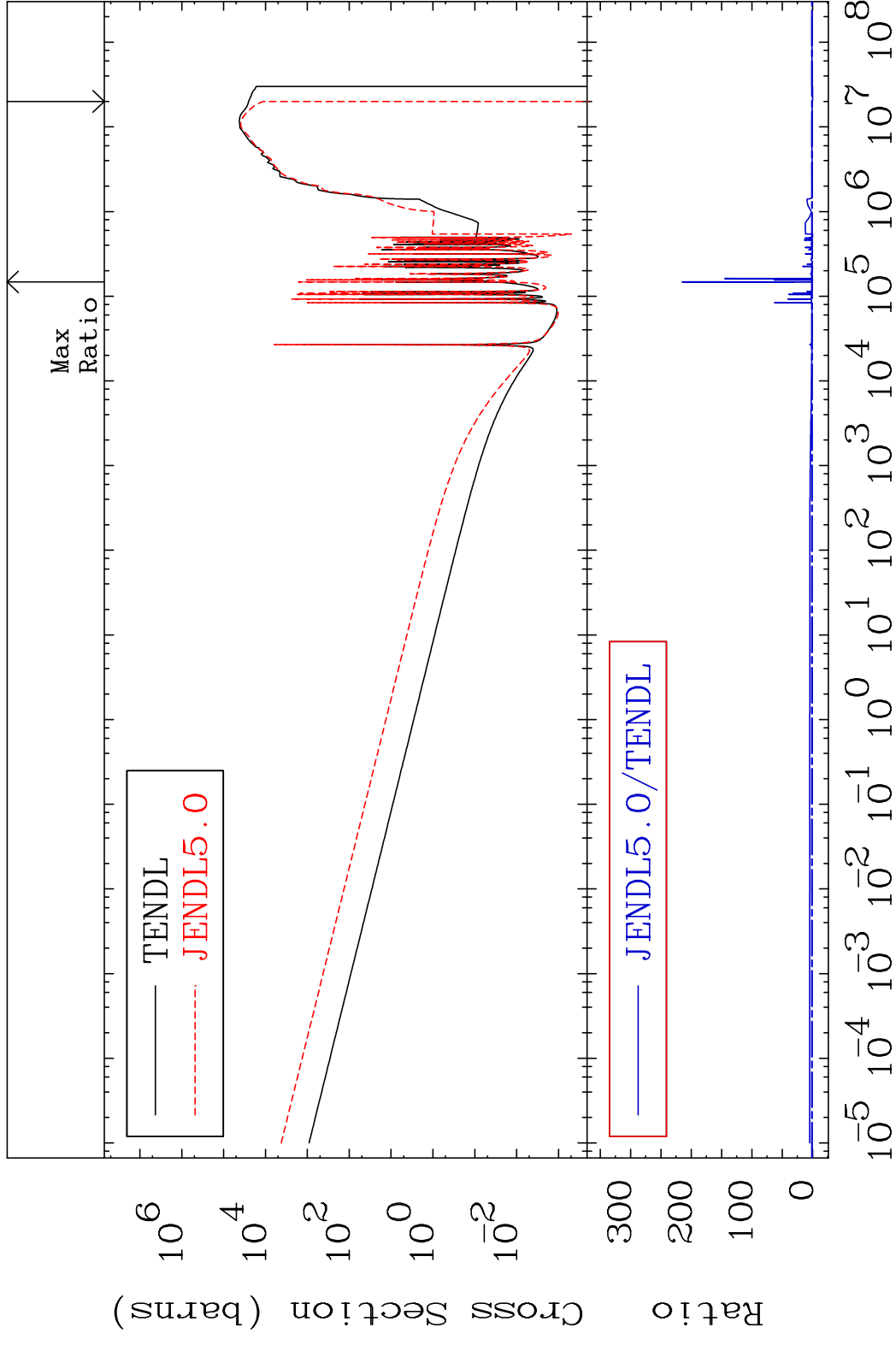
MAT 1525 Dpa elastic (mt2) 15-P -31  
 Cross Section -98.30 To 315.8 %



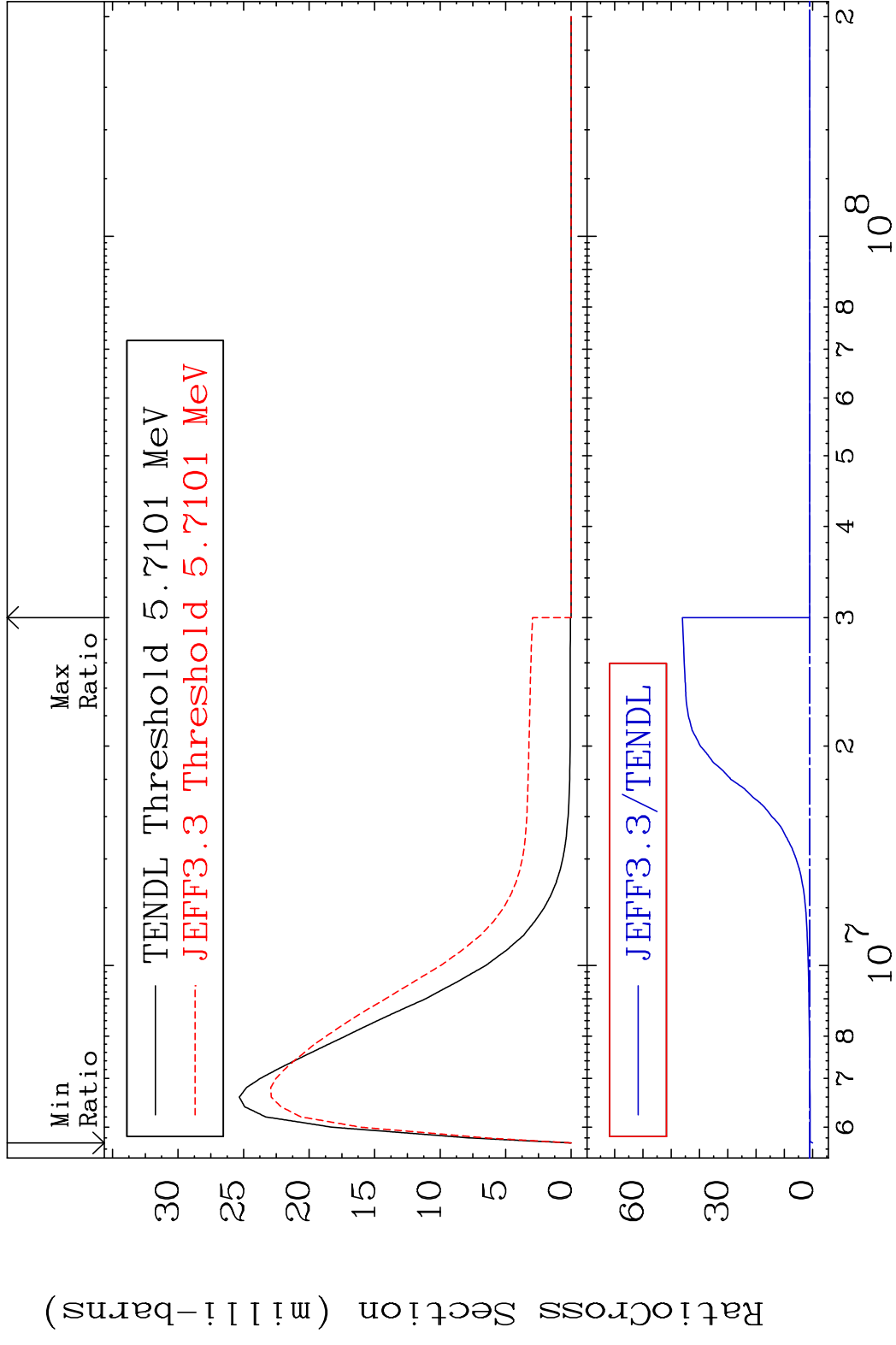
MAT 1525 Dpa inelastic (mt51-91) 15-P -31  
 Cross Section -100.0 To 9999. %



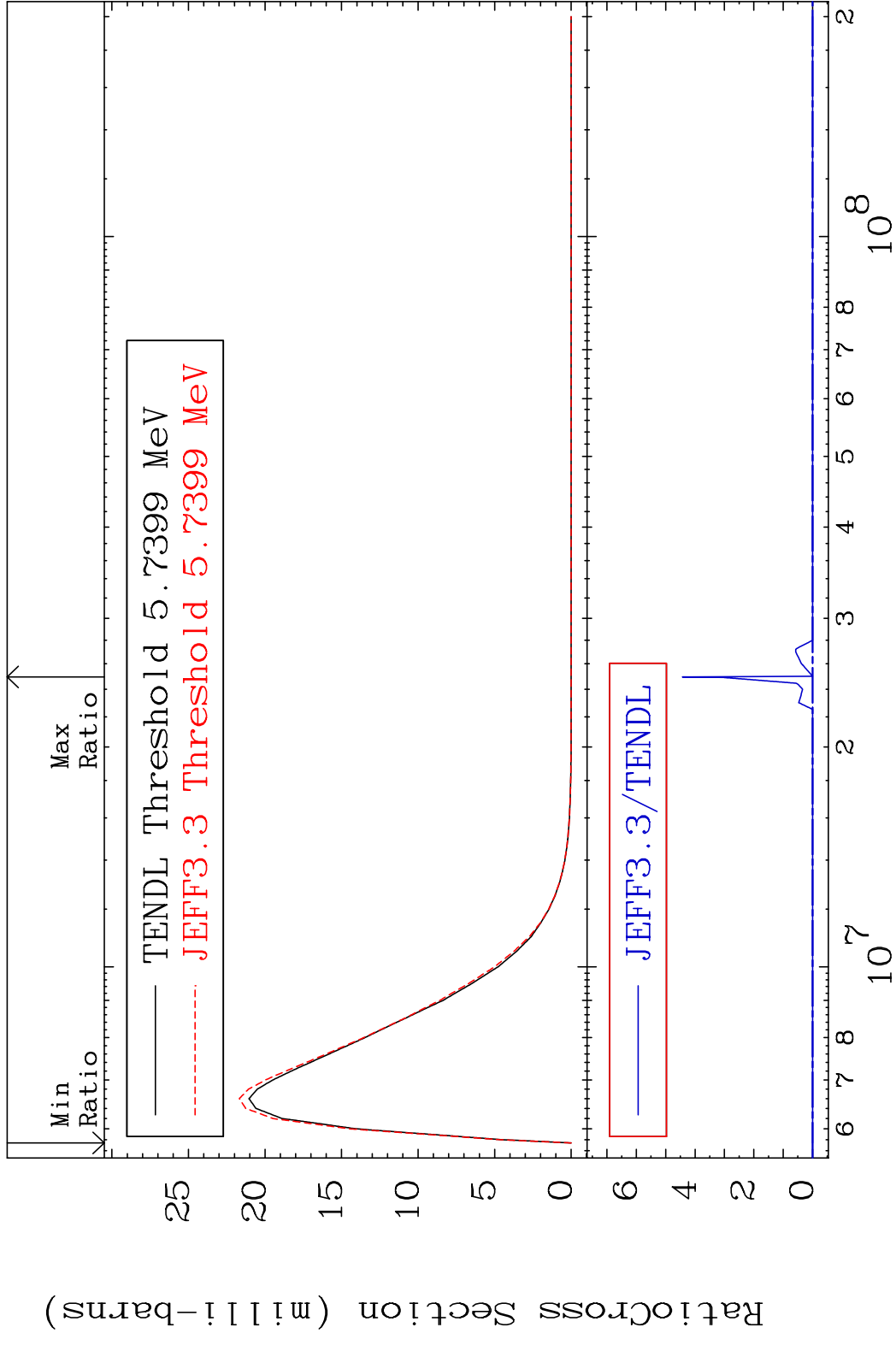
MAT 1525 Dpa disappearance (mt102 -120) 15-P -31  
 Cross Section -100.0 To 9999. %



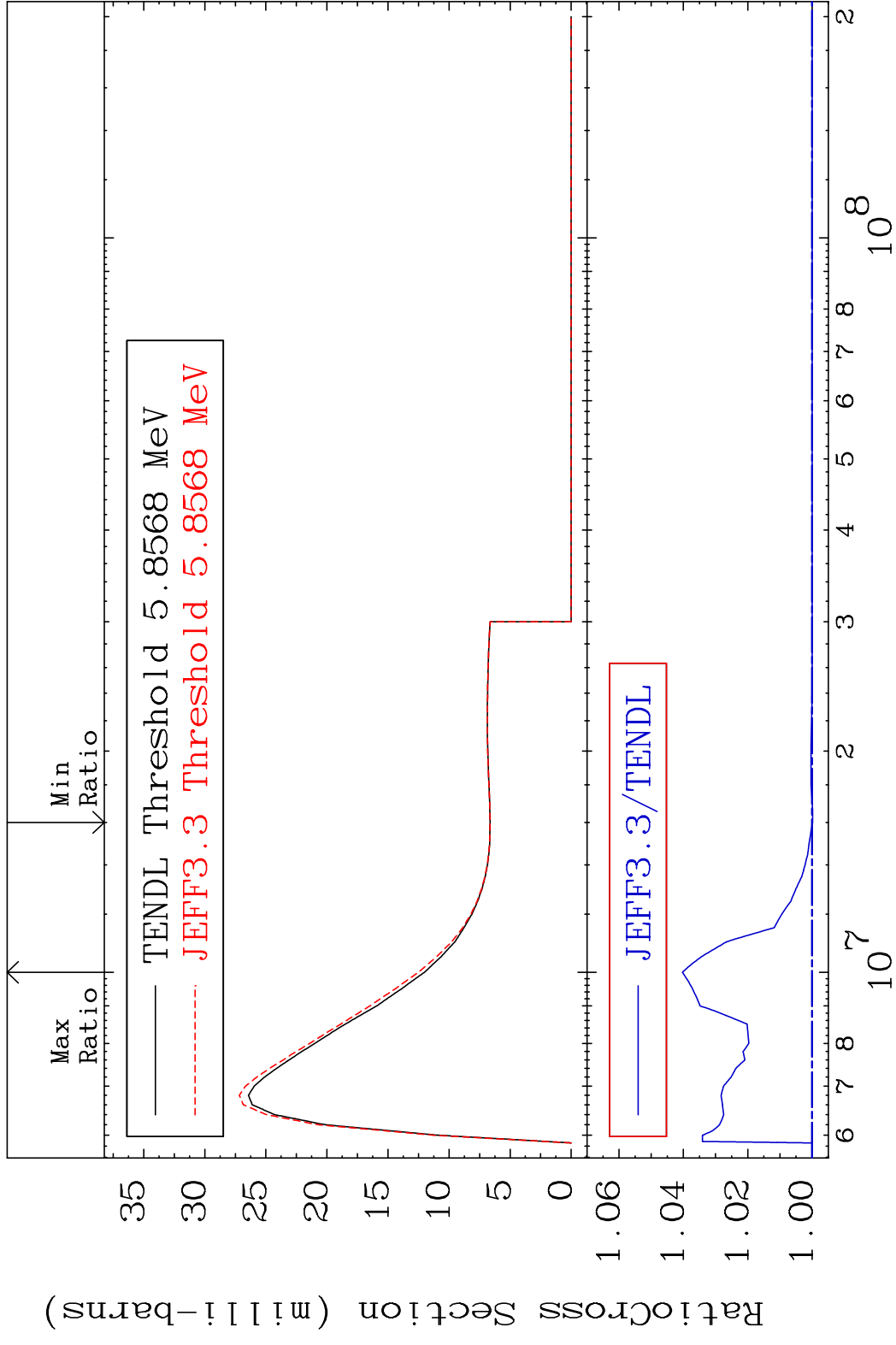
MAT 1525 MT= 68 (n, n') Level 15-P -31  
 Cross Section -100.0 To 4503. %



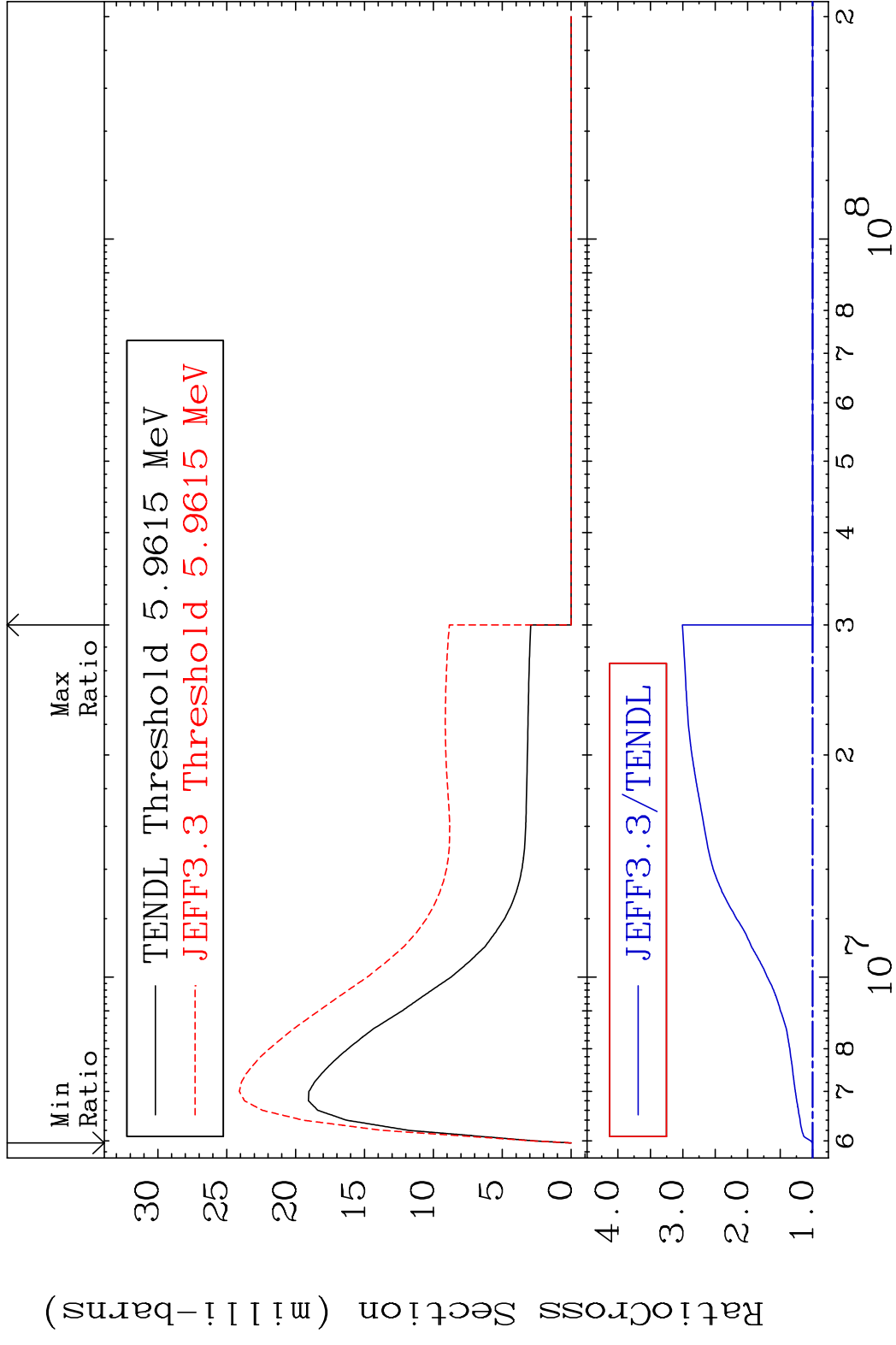
MAT 1525 MT= 69 (n, n') Level 15-P -31  
 Cross Section -100.0 To 9999. %



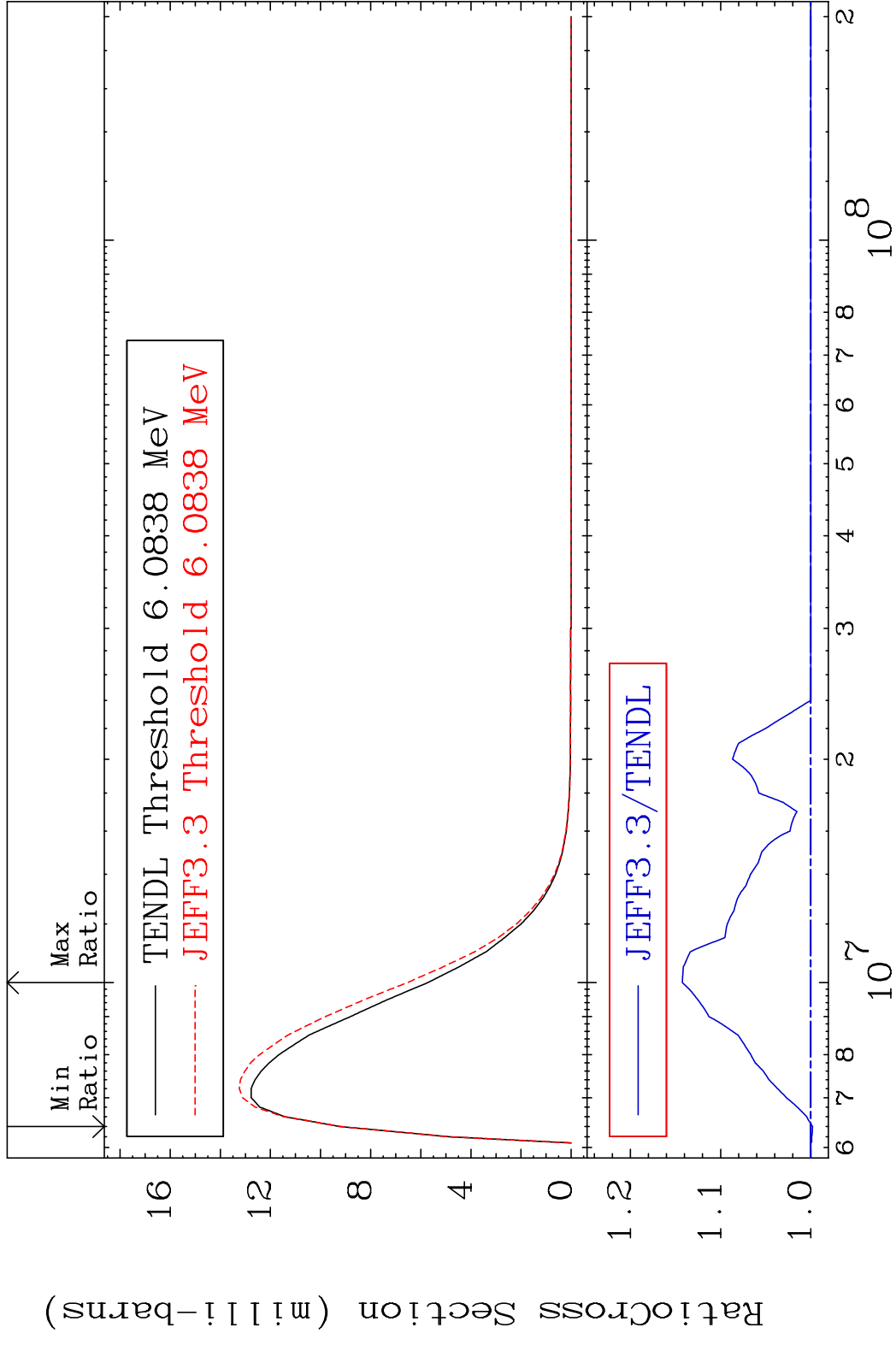
MAT 1525 MT= 70 (n,n') Level 15-P -31  
 Cross Section -0.015 To 4.032 %



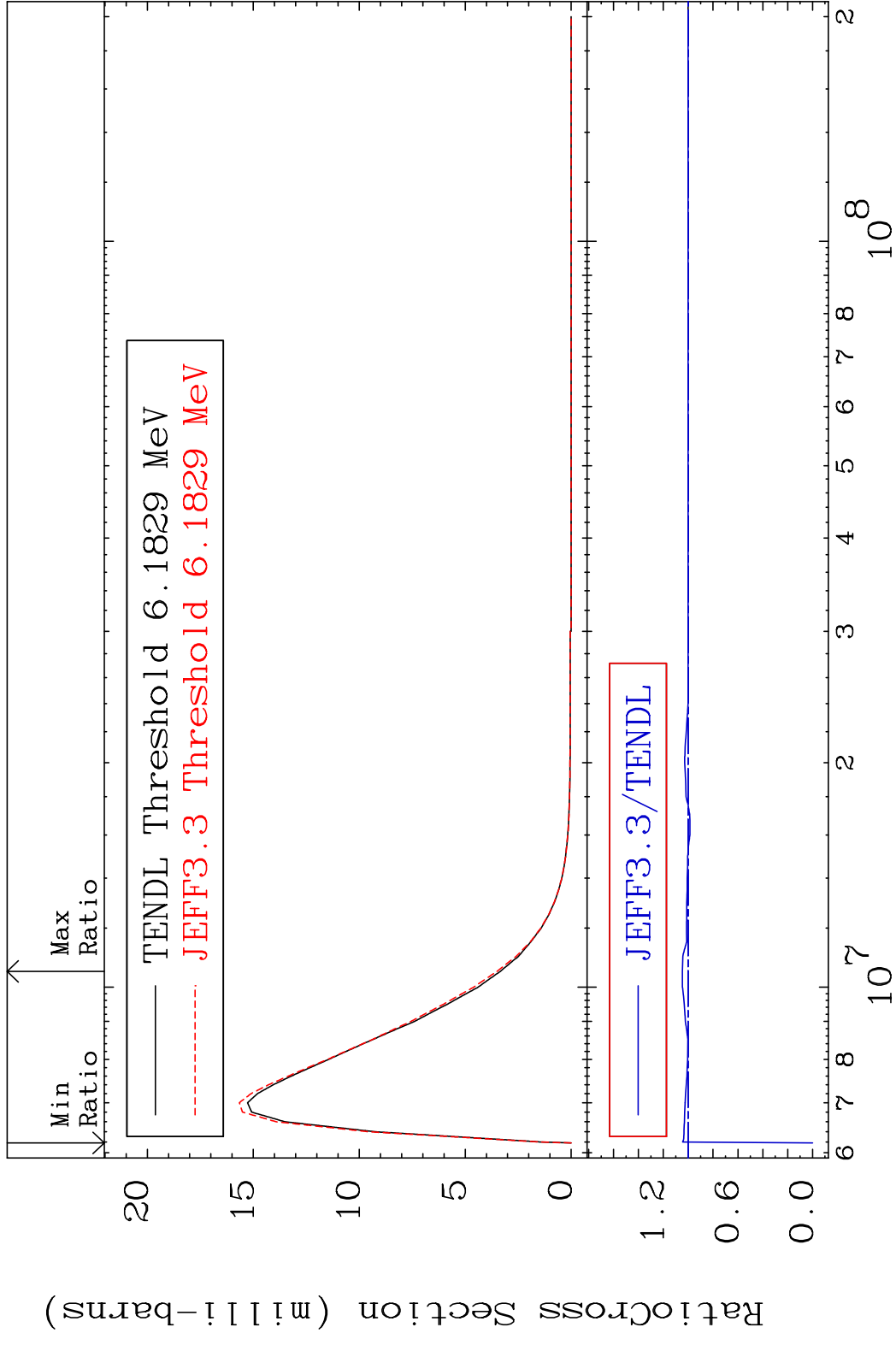
MAT 1525 MT= 71 (n,n') Level 15-P -31  
 Cross Section 0.000 To 200.7 %



MAT 1525 MT= 72 (n,n') Level 15-P -31  
 Cross Section -0.204 To 14.24 %

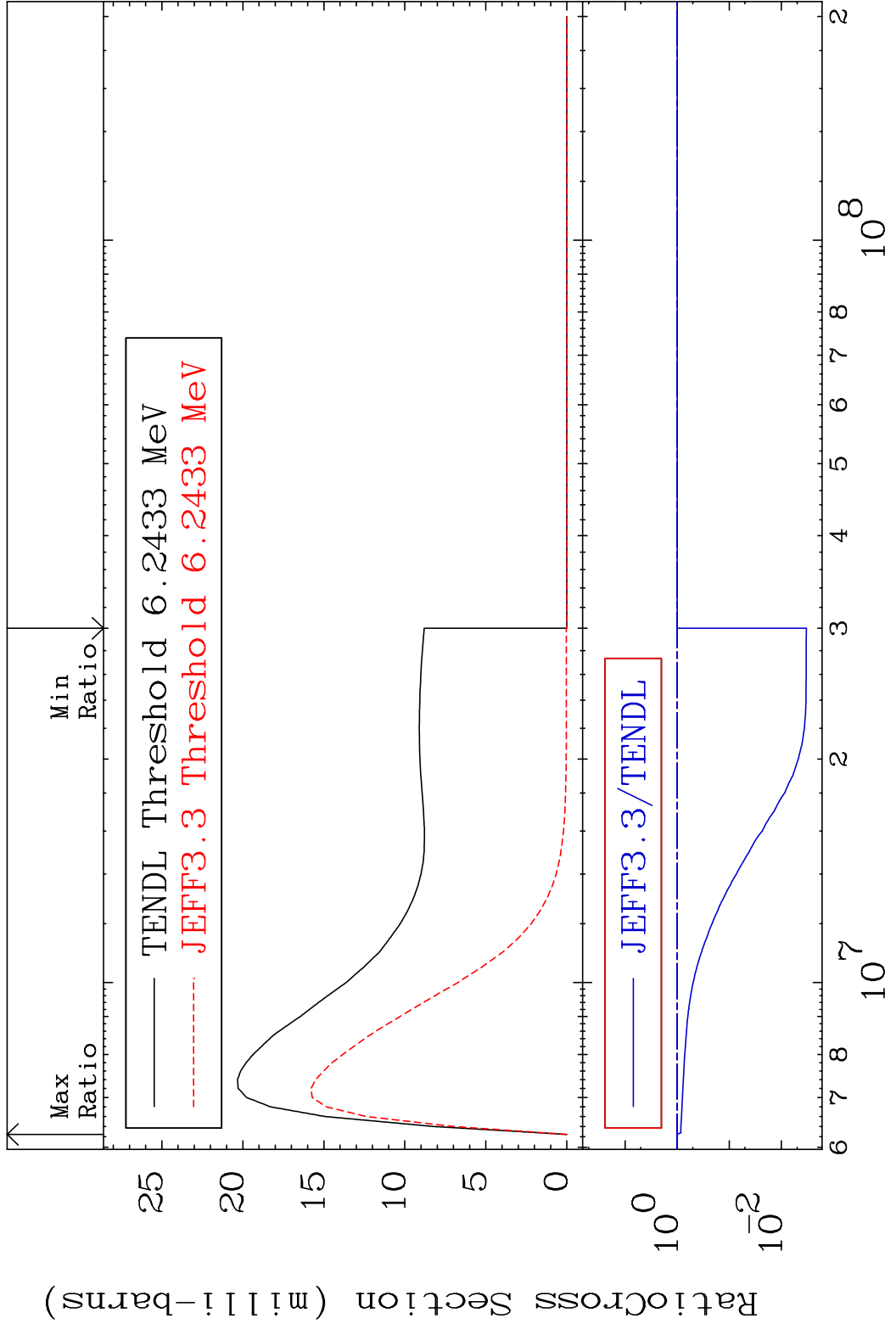


MAT 1525 MT= 73 (n, n') Level 15-P -31  
 Cross Section -100.0 To 4.688 %

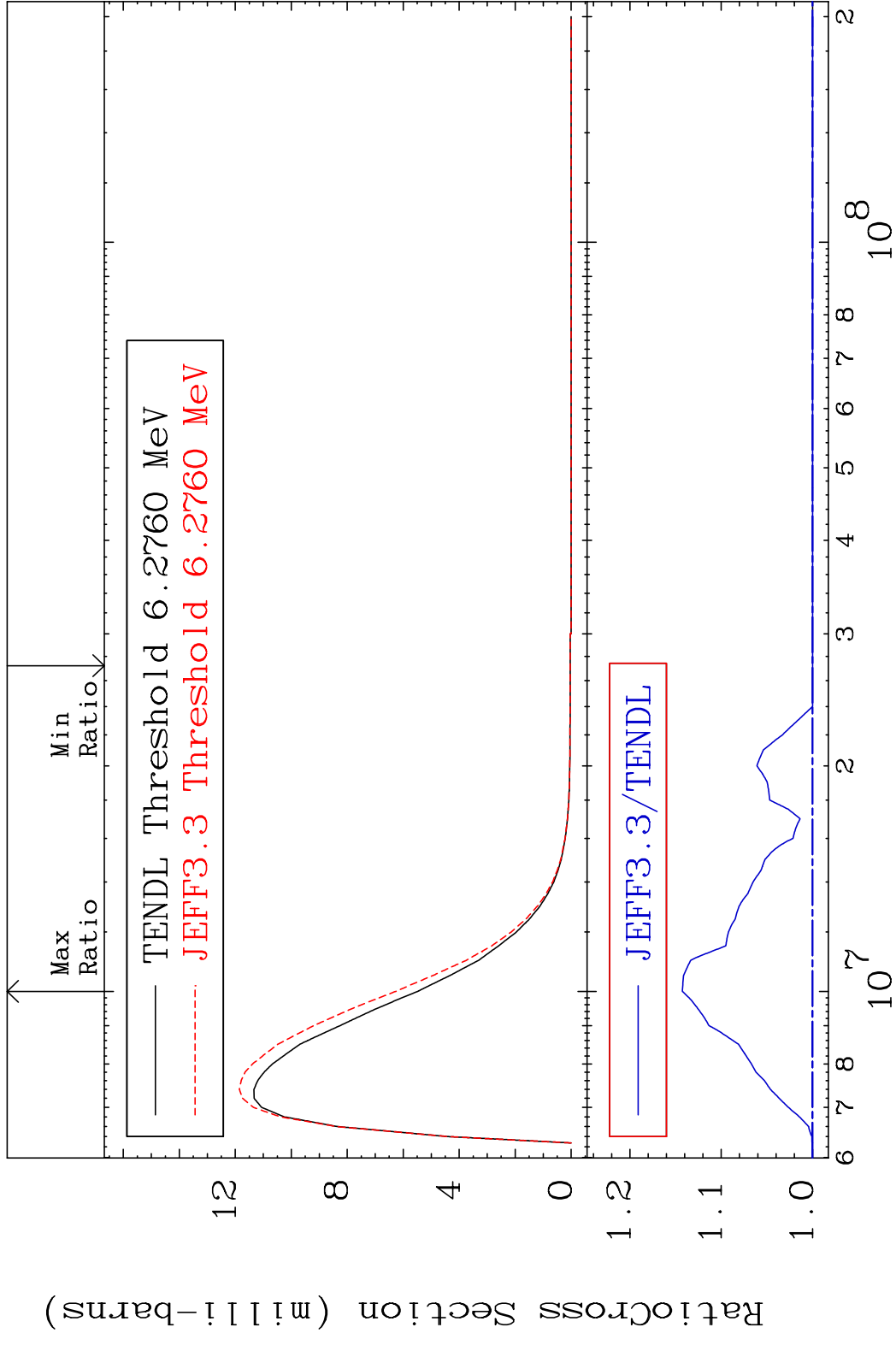


40 Incident Energy (eV) 15-P -31

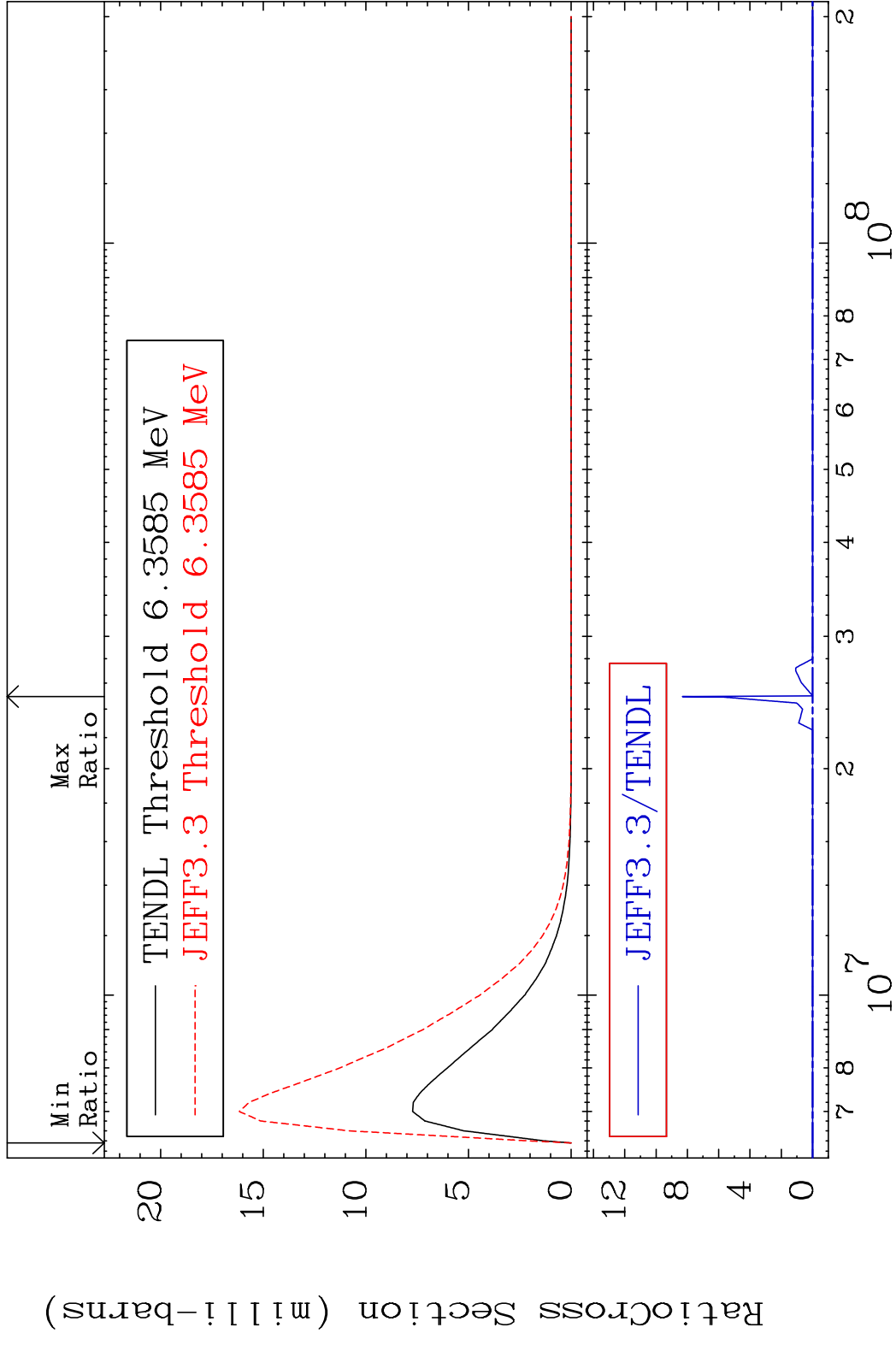
MAT 1525 MT= 74 (n,n') Level 15-P -31  
 Cross Section -99.67 To 0.000 %



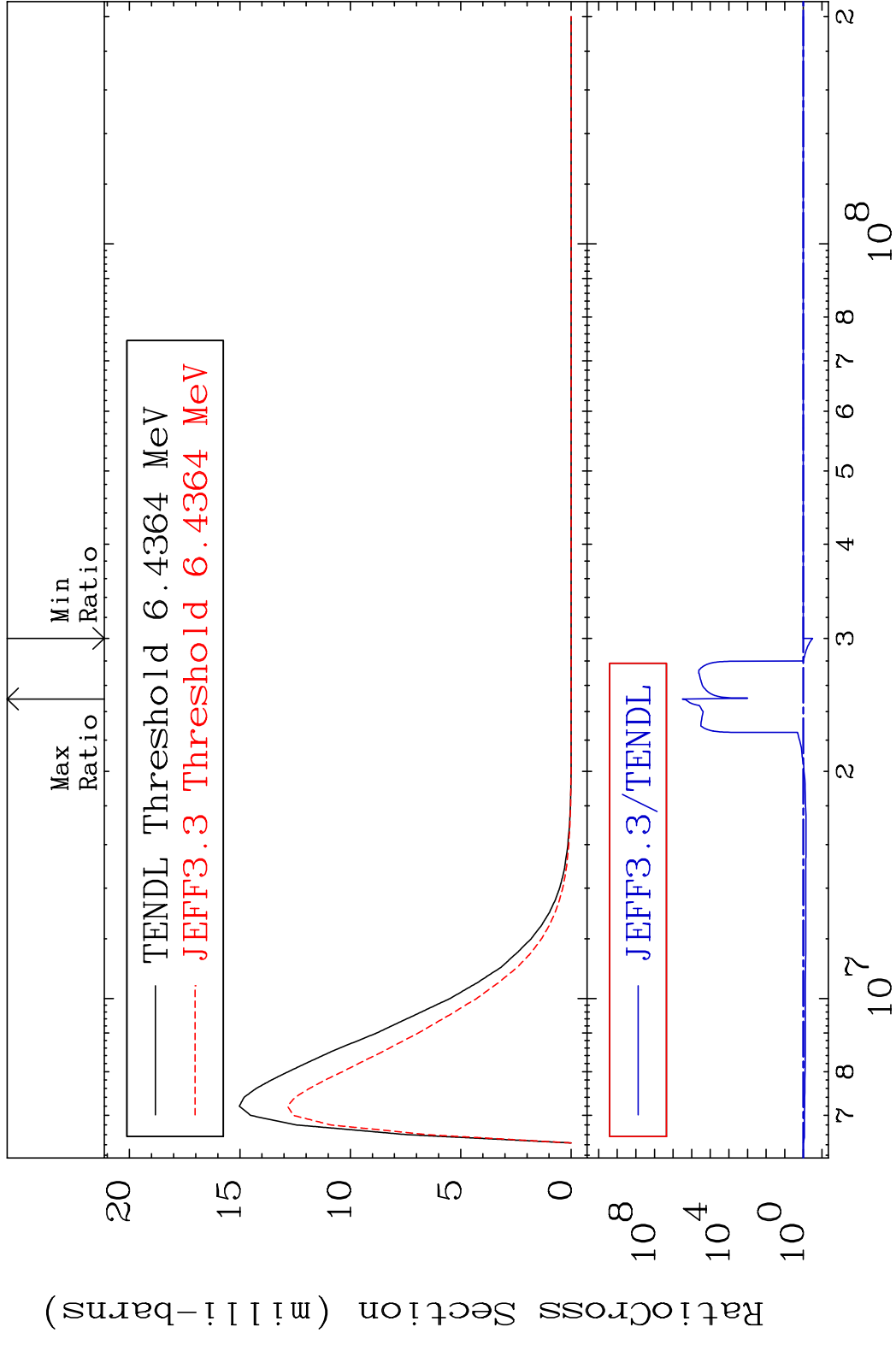
MAT 1525 MT= 75 (n,n') Level 15-P -31  
 Cross Section 0.000 To 14.26 %



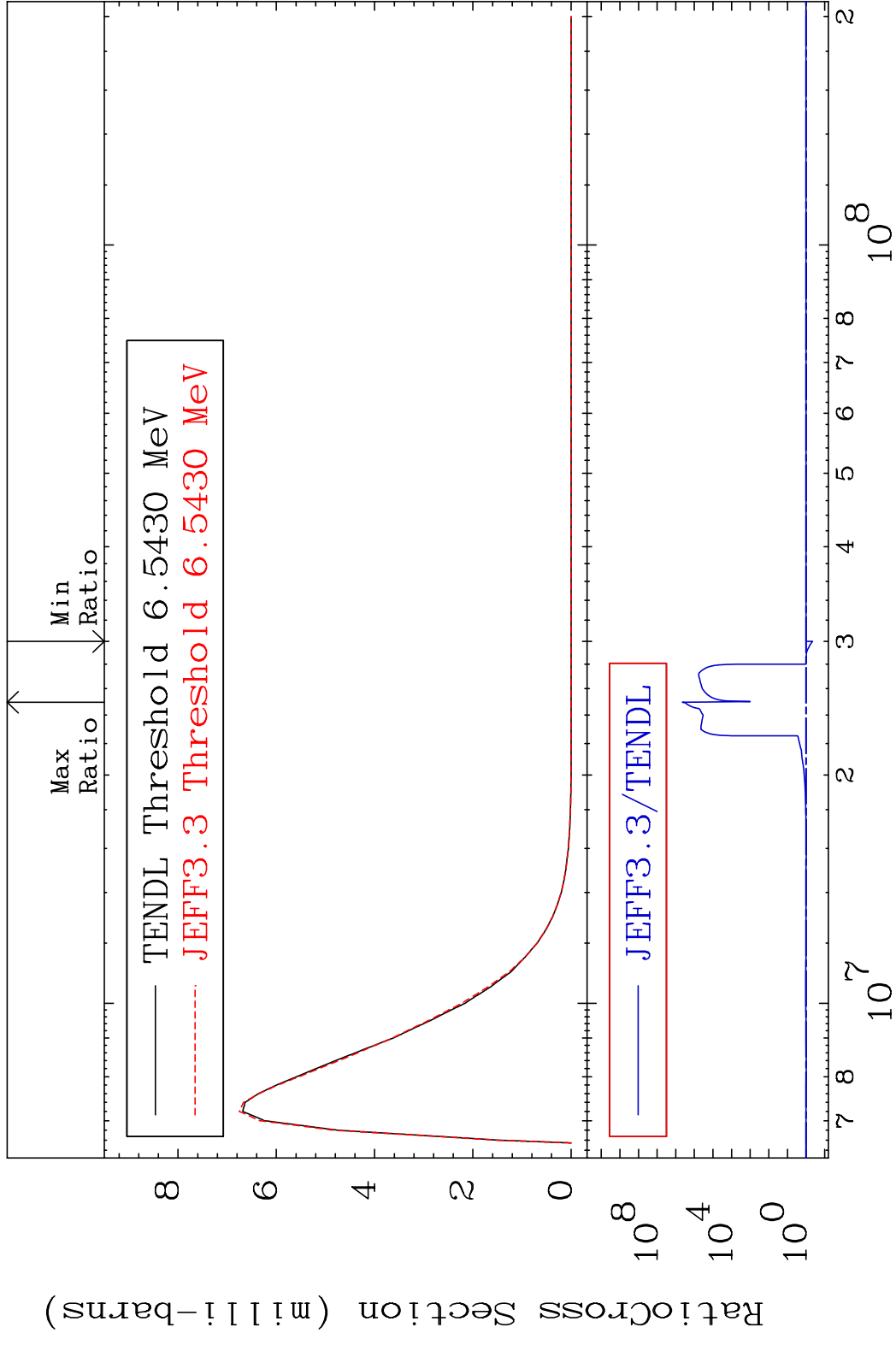
MAT 1525 MT= 76 (n,n') Level 15-P -31  
 Cross Section -100.0 To 9999. %



MAT 1525 MT= 77 (n, n') Level 15-P -31  
 Cross Section -68.13 To 9999. %

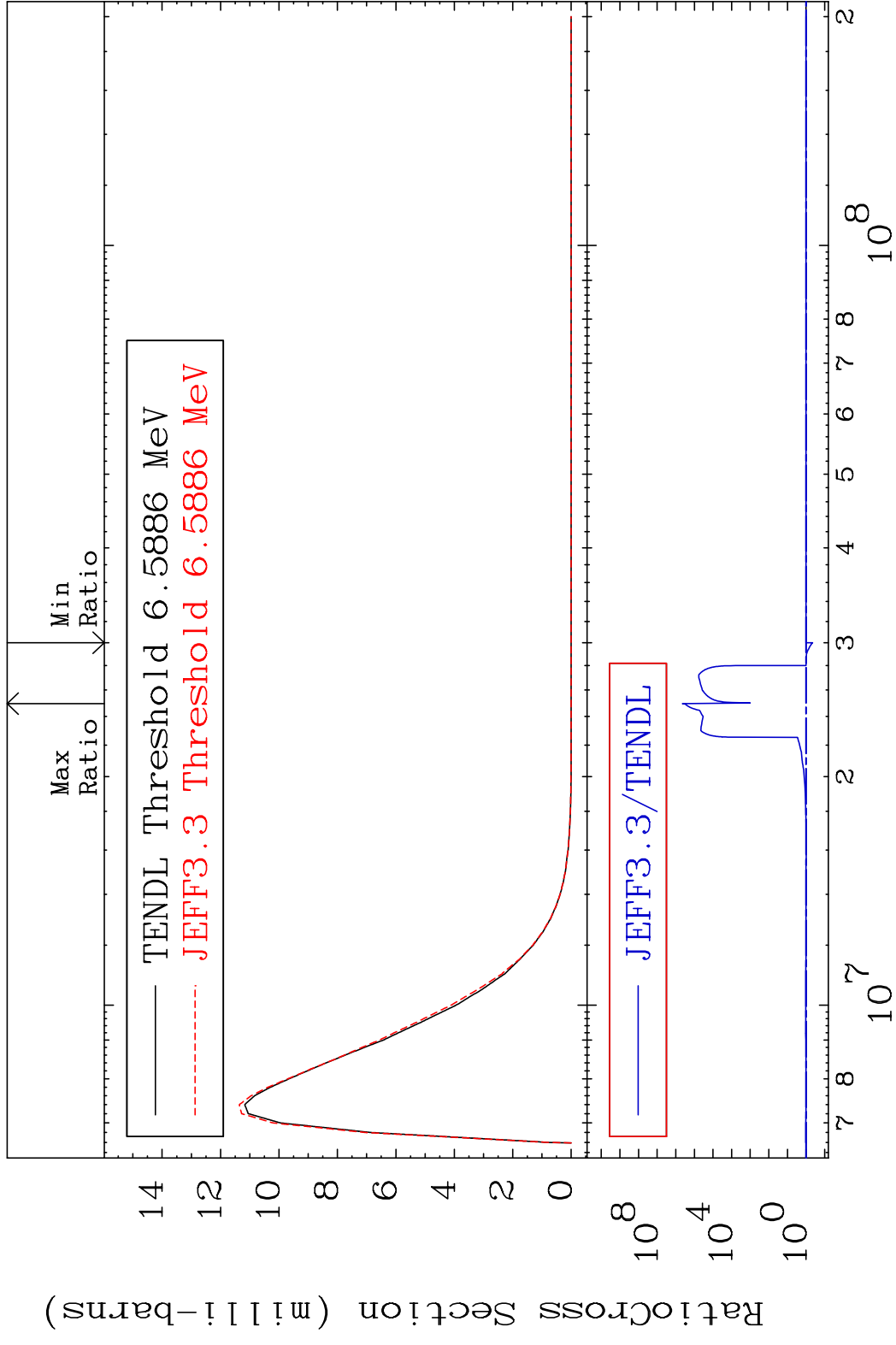


MAT 1525 MT= 78 (n, n') Level 15-P -31  
 Cross Section -55.36 To 9999. %

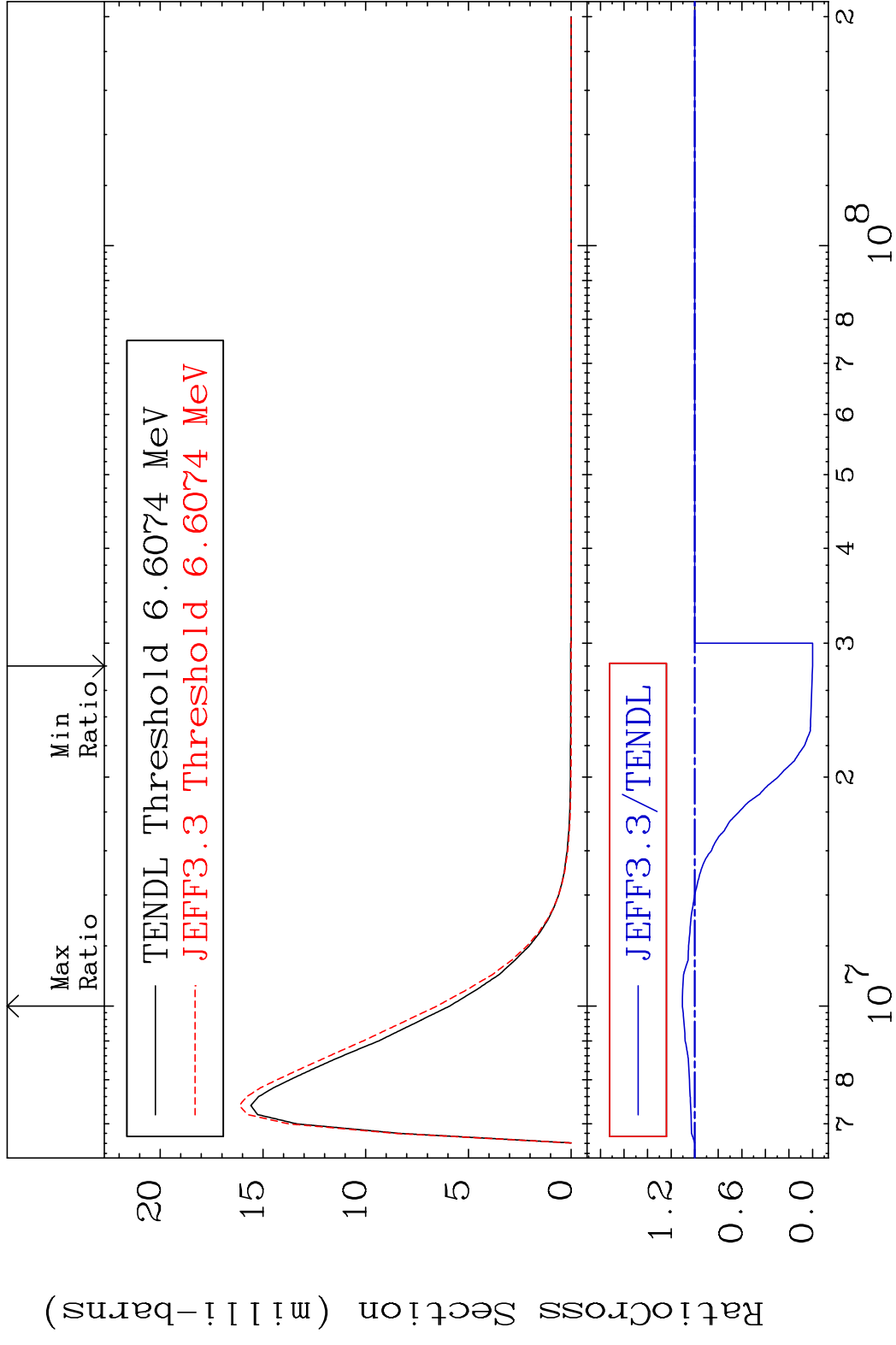


45 Incident Energy (eV) 15-P -31

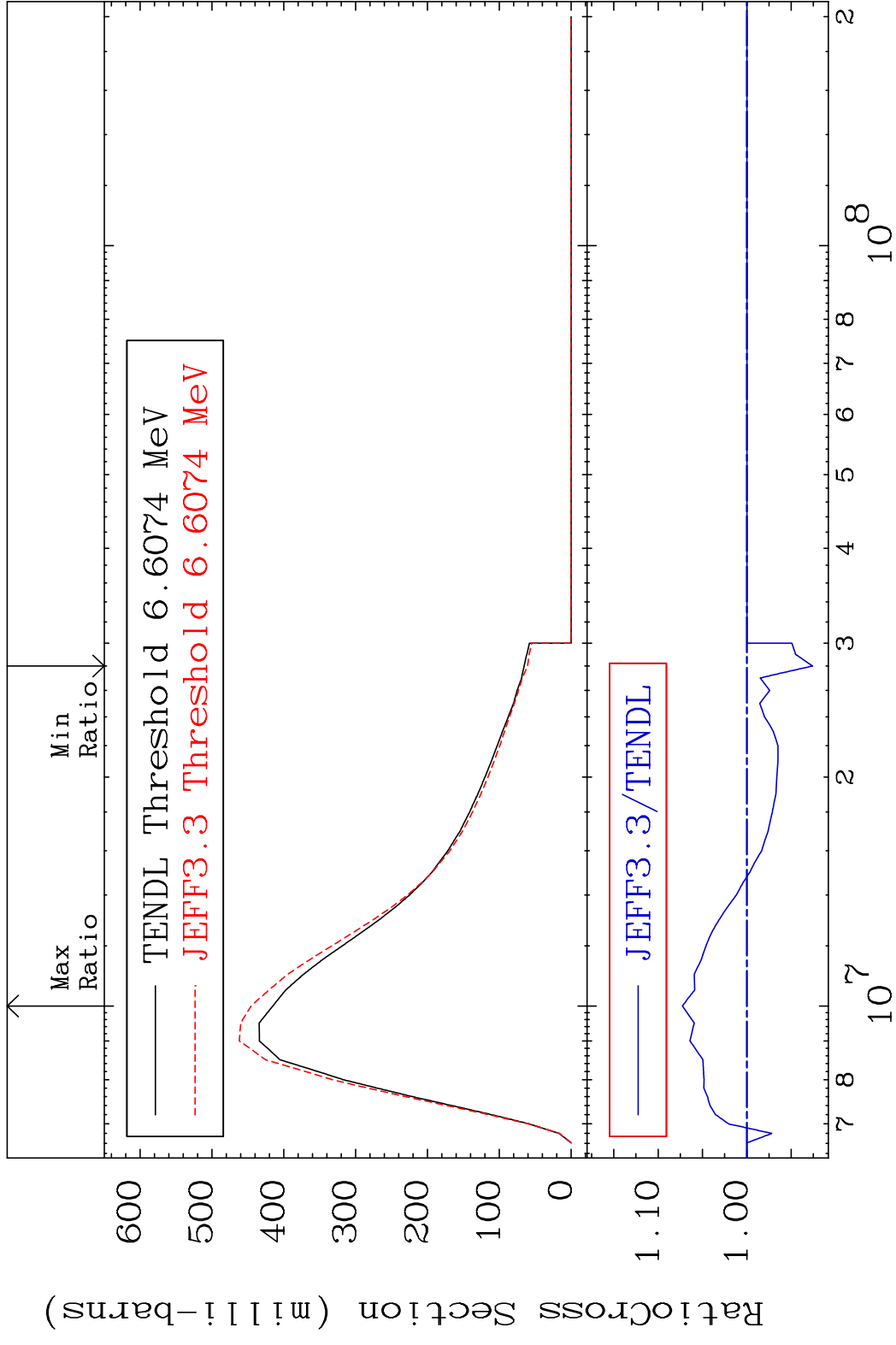
MAT 1525 MT= 79 (n, n') Level 15-P -31  
 Cross Section -55.26 To 9999. %



MAT 1525 MT= 80 (n,n') Level 15-P -31  
 Cross Section -100.0 To 10.48 %



MAT 1525 (n,n') Continuum 15-P -31  
 Cross Section -7.407 To 7.269 %

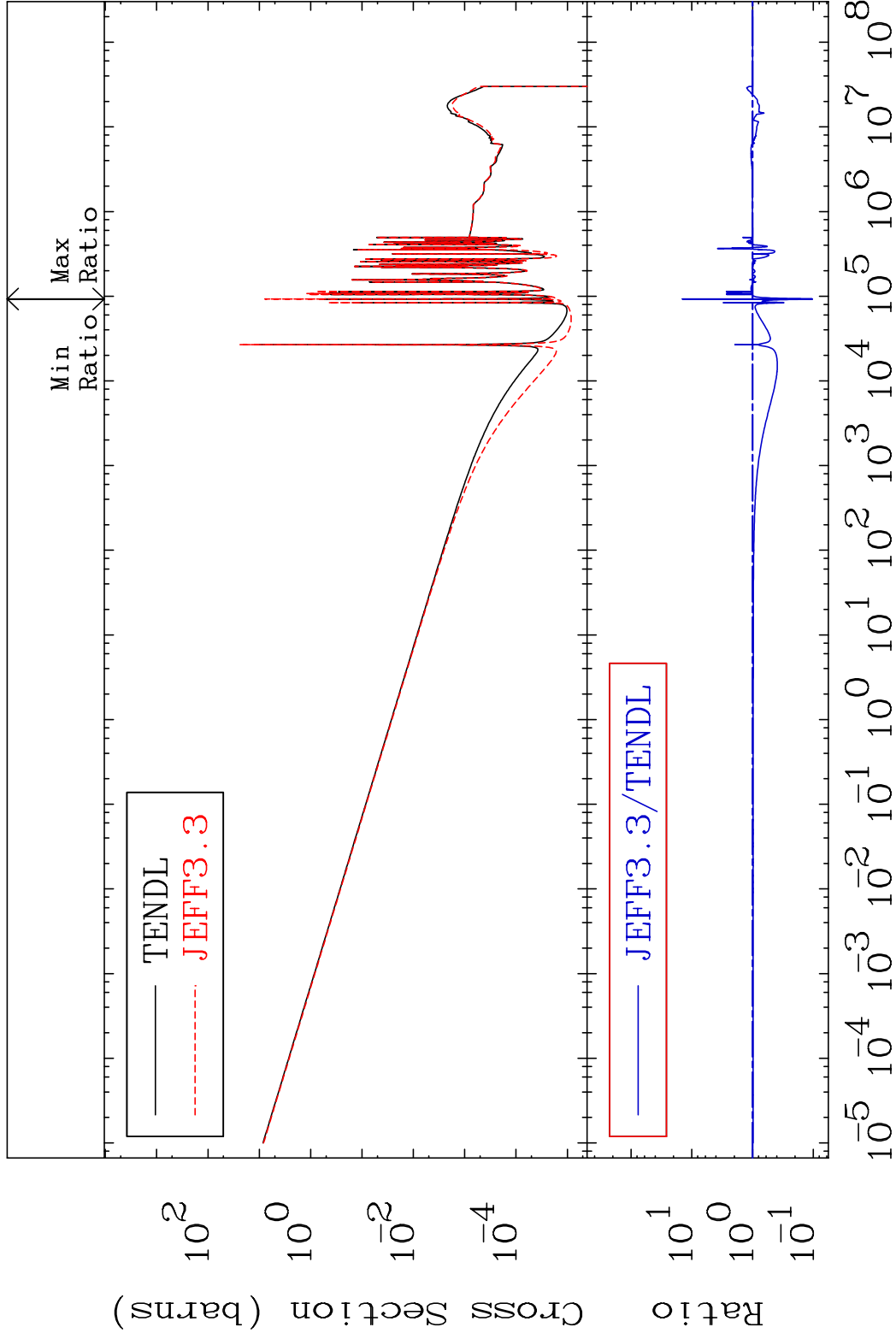


MAT 1525

(n,  $\gamma$ )

15-P -31

Cross Section -89.72 To 1333. %

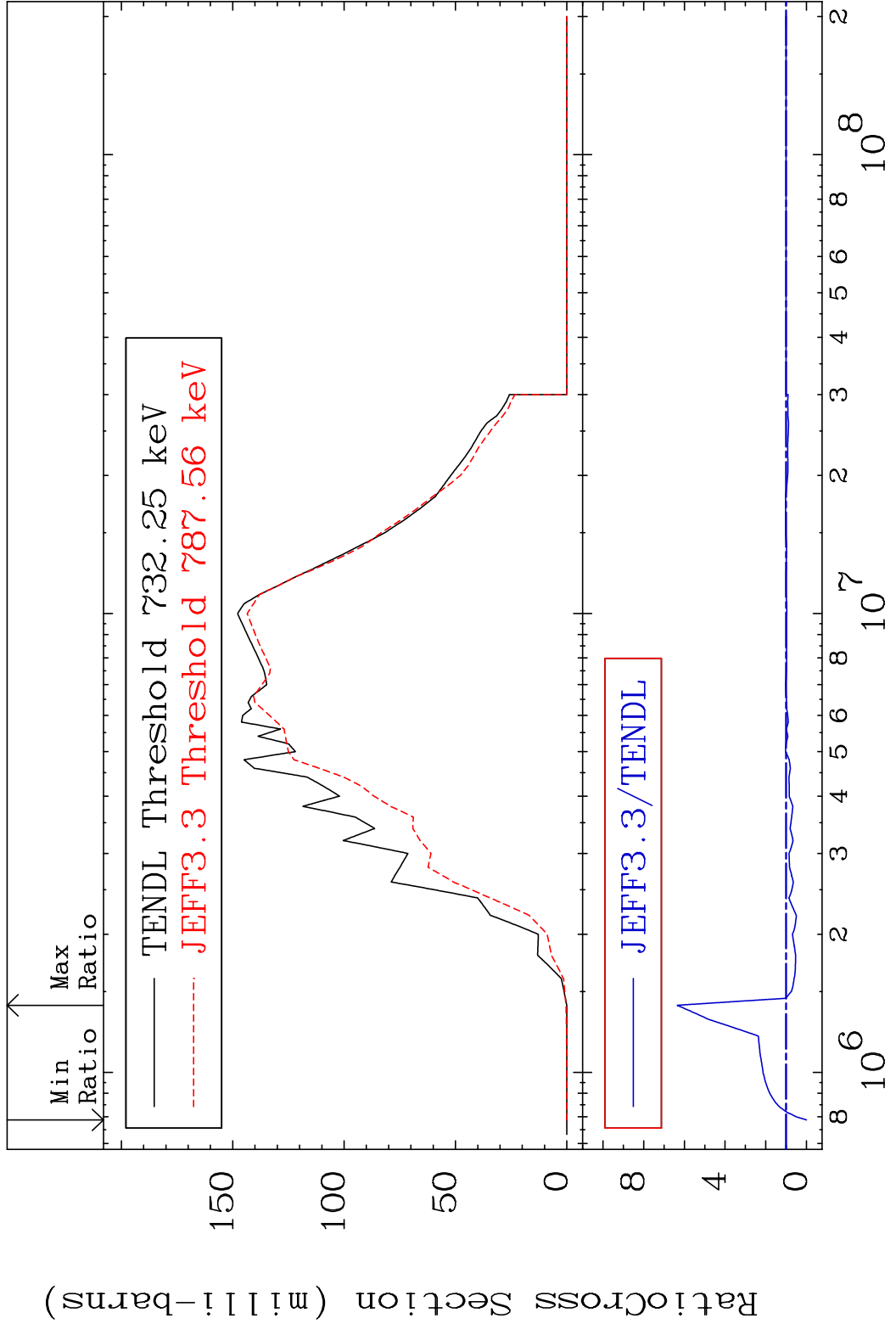


49

Incident Energy (eV)

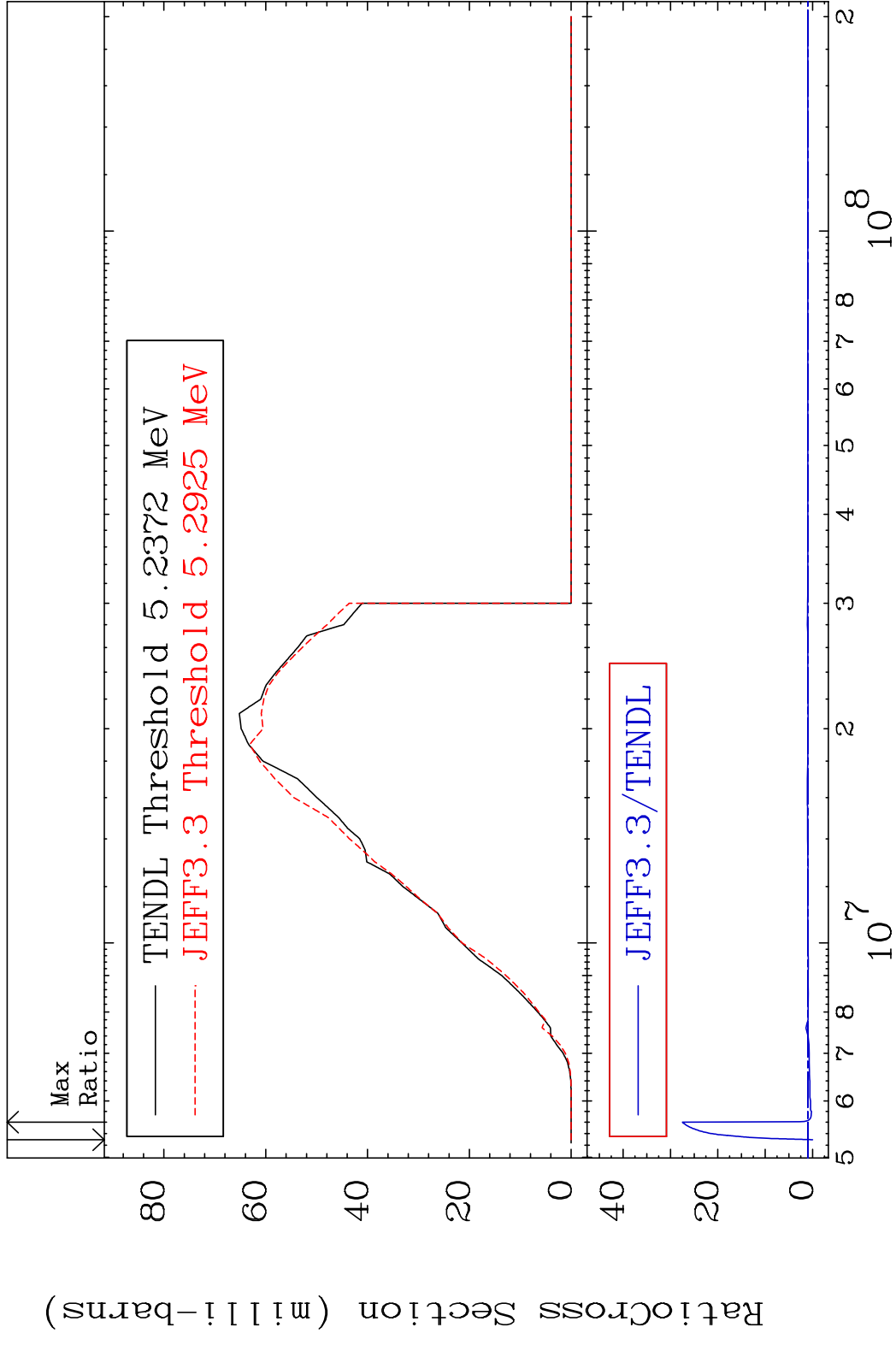
15-P -31

MAT 1525 (n,p) 15-P -31  
 Cross Section -100.0 To 535.4 %



50 Incident Energy (eV) 15-P -31

MAT 1525 (n,d) 15-P -31  
 Cross Section -100.0 To 2649. %

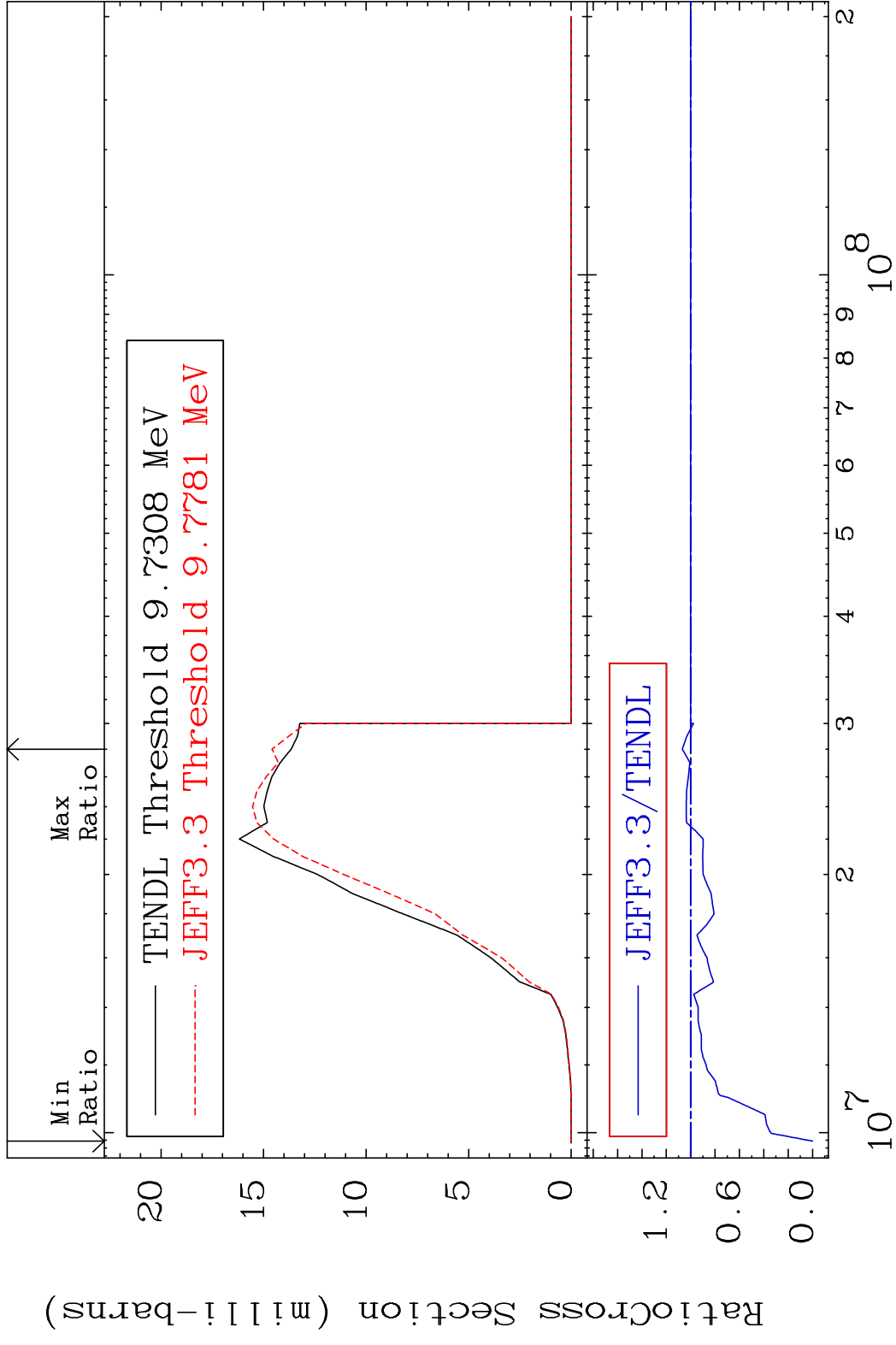


MAT 1525

(n, t)

15-P -31

Cross Section -100.0 To 6.835 %



52

Incident Energy (eV)

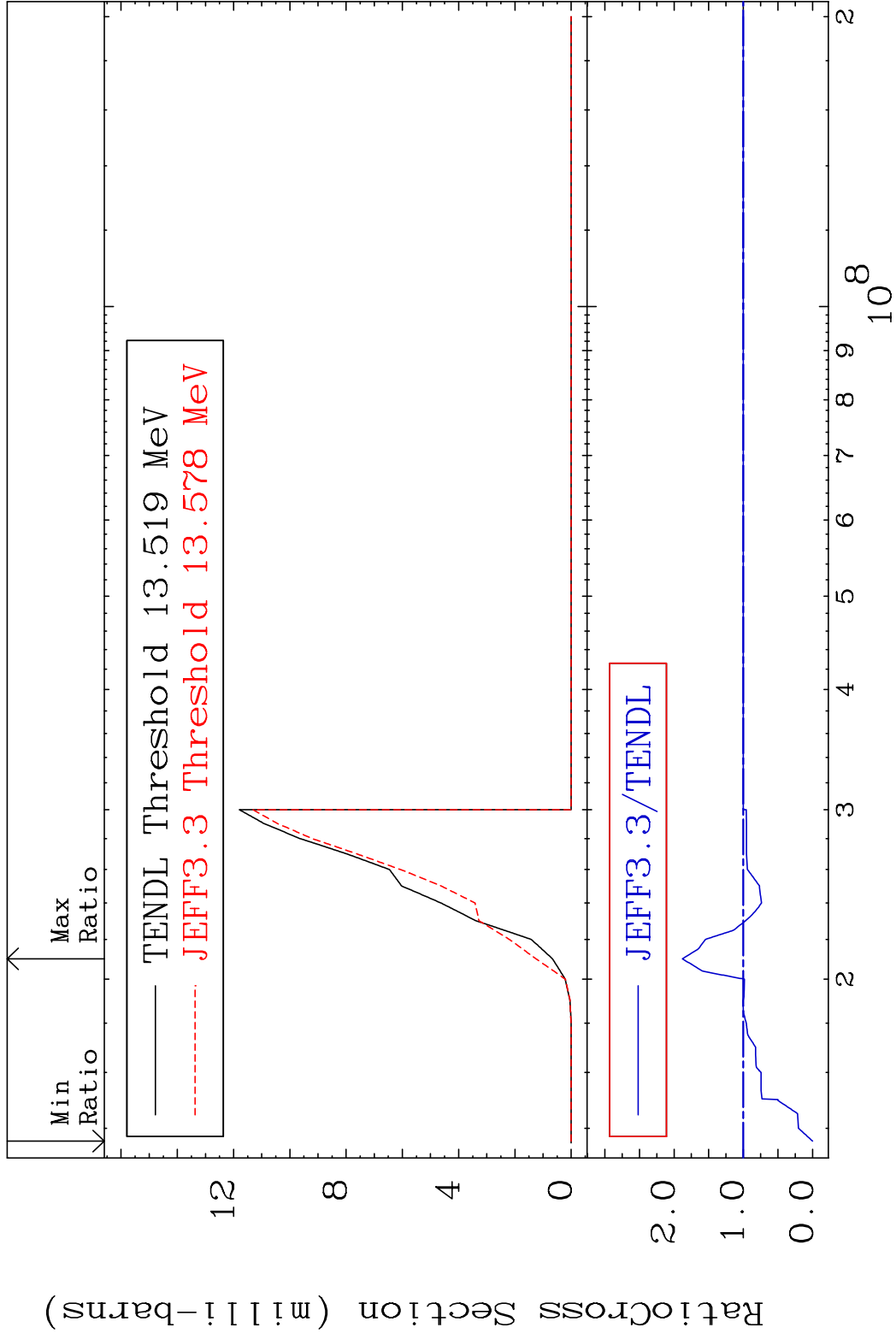
15-P -31

MAT 1525

(n, He-3)

15-P -31

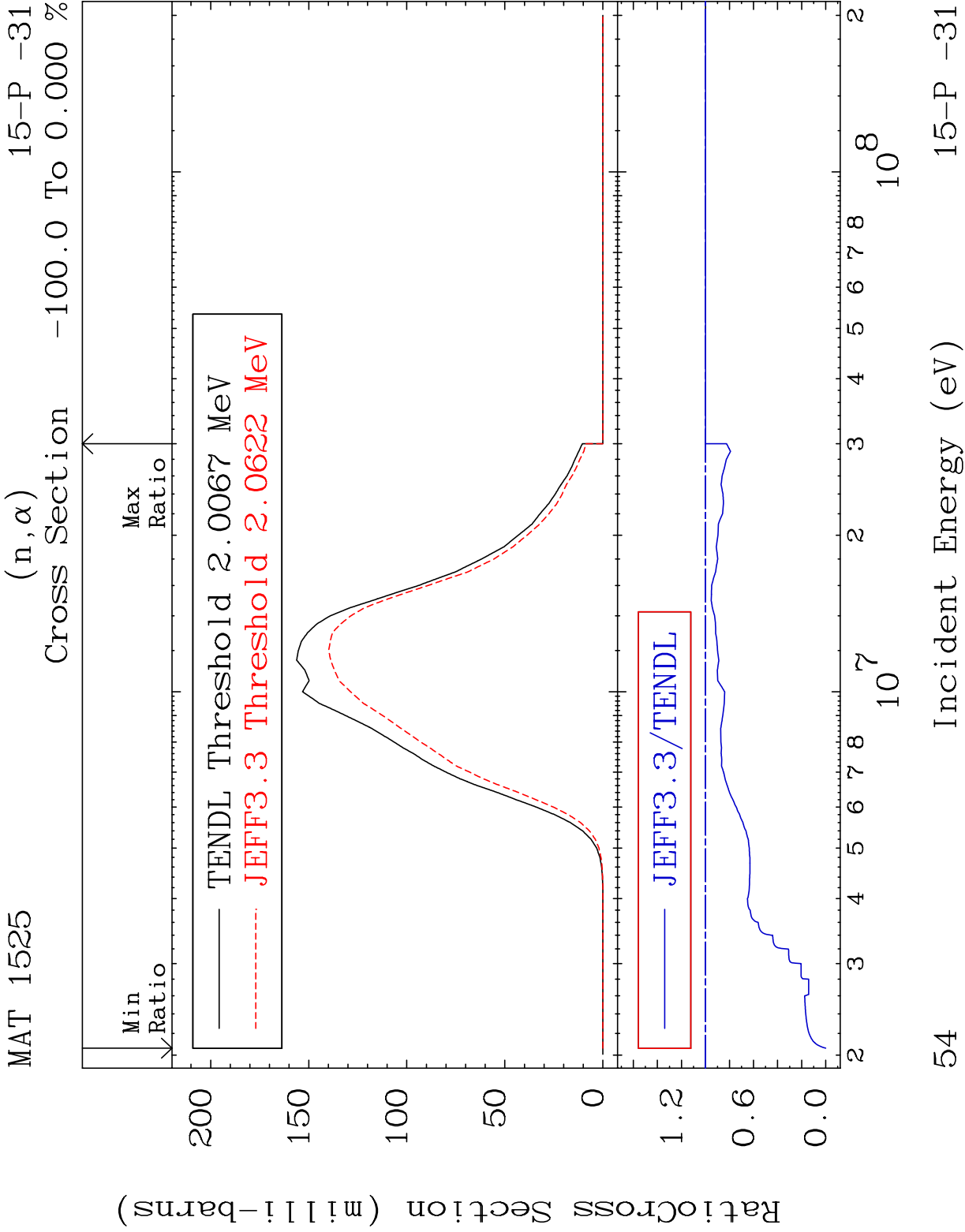
Cross Section -100.0 To 88.05 %



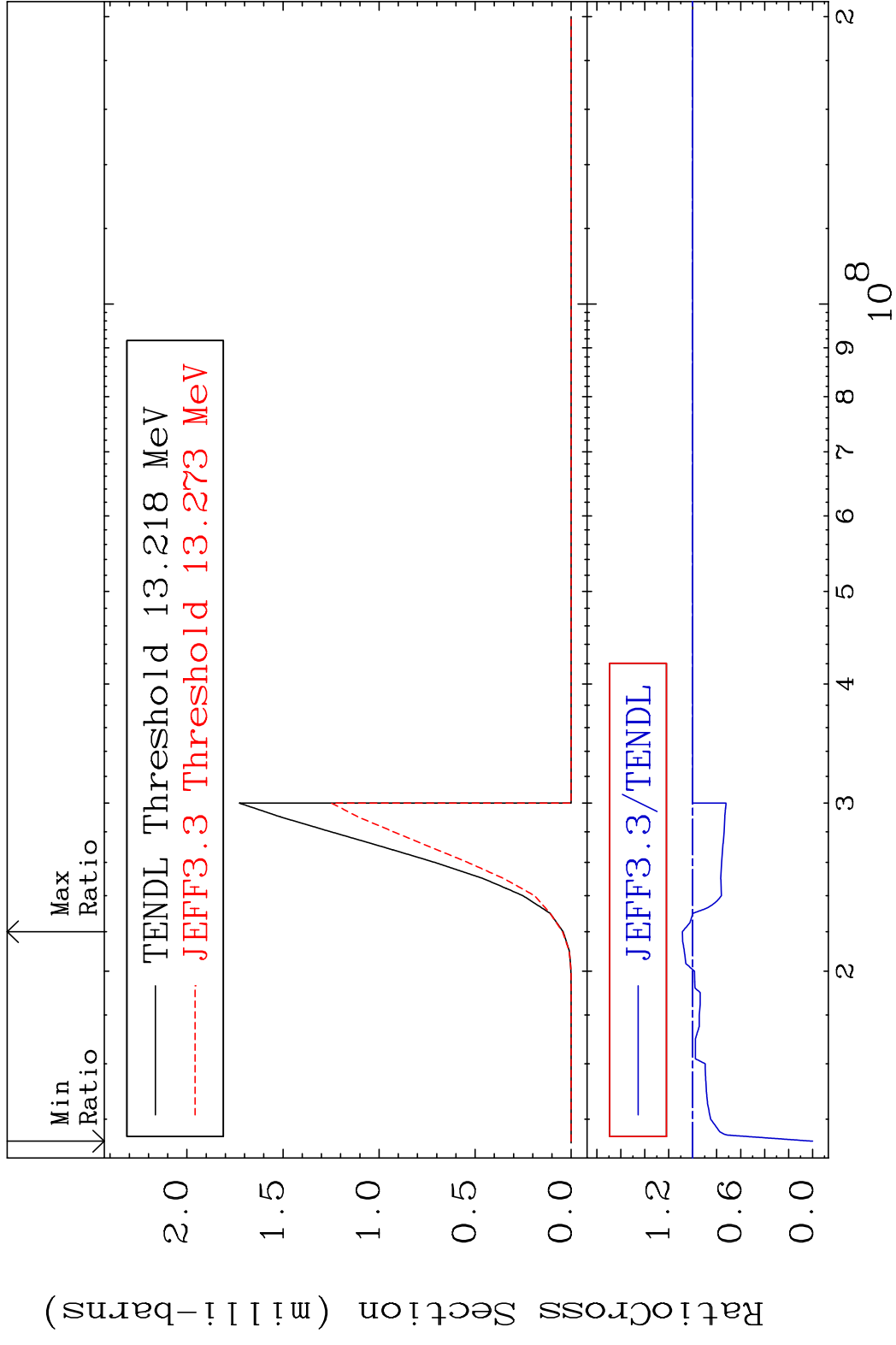
53

Incident Energy (eV)

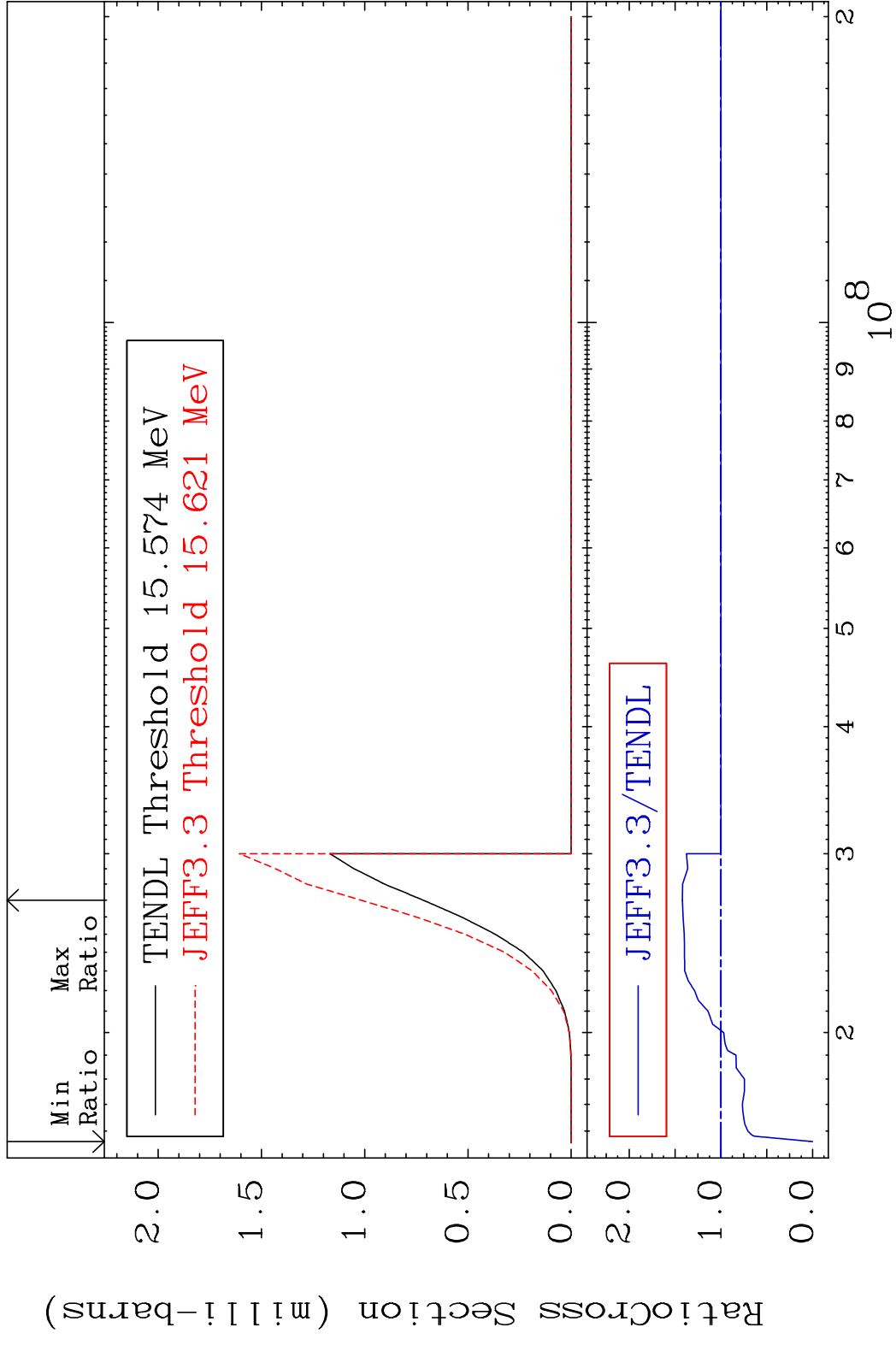
15-P -31



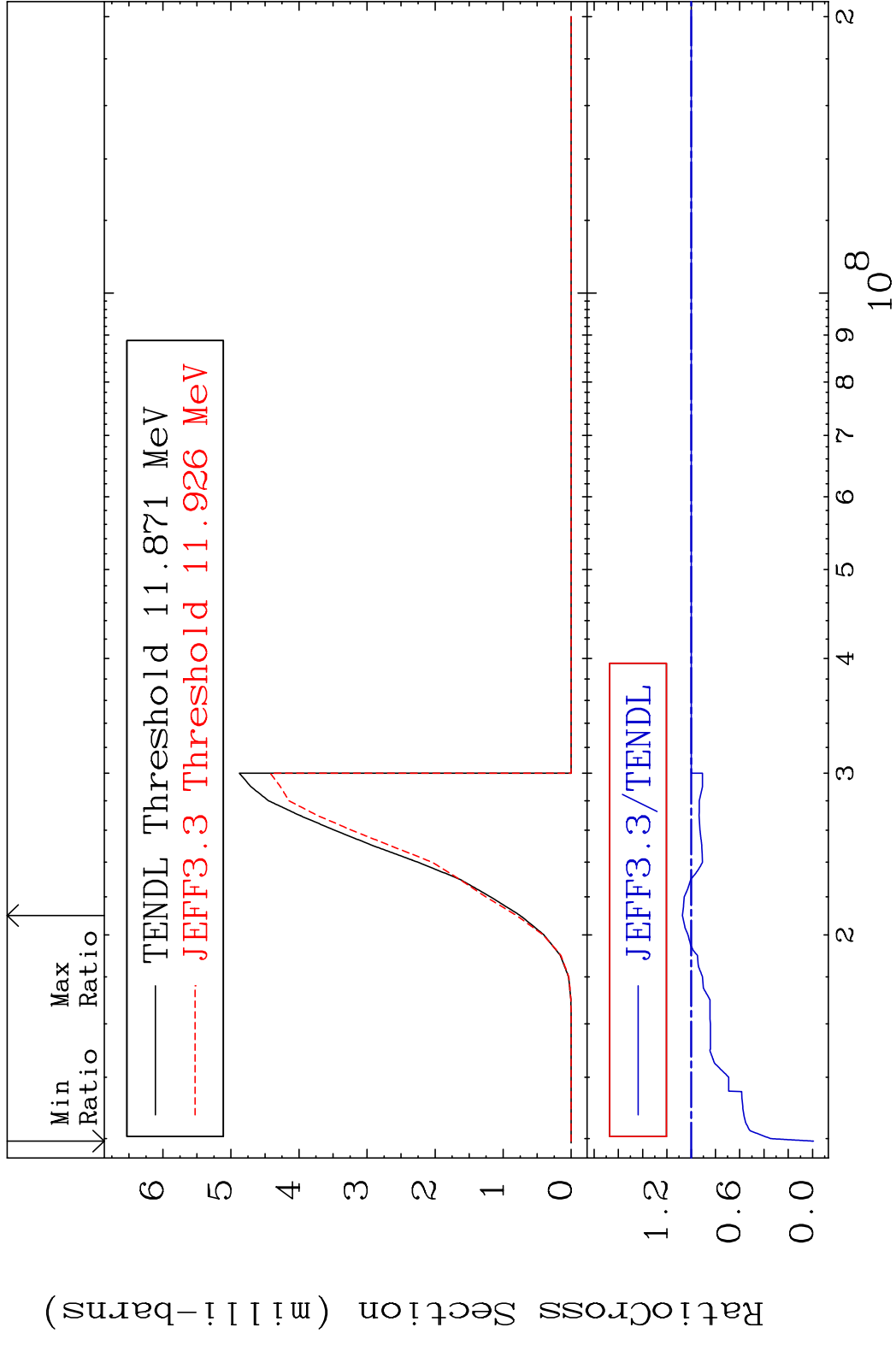
MAT 1525 (n,2α) 15-P -31  
 Cross Section -100.0 To 8.675 %



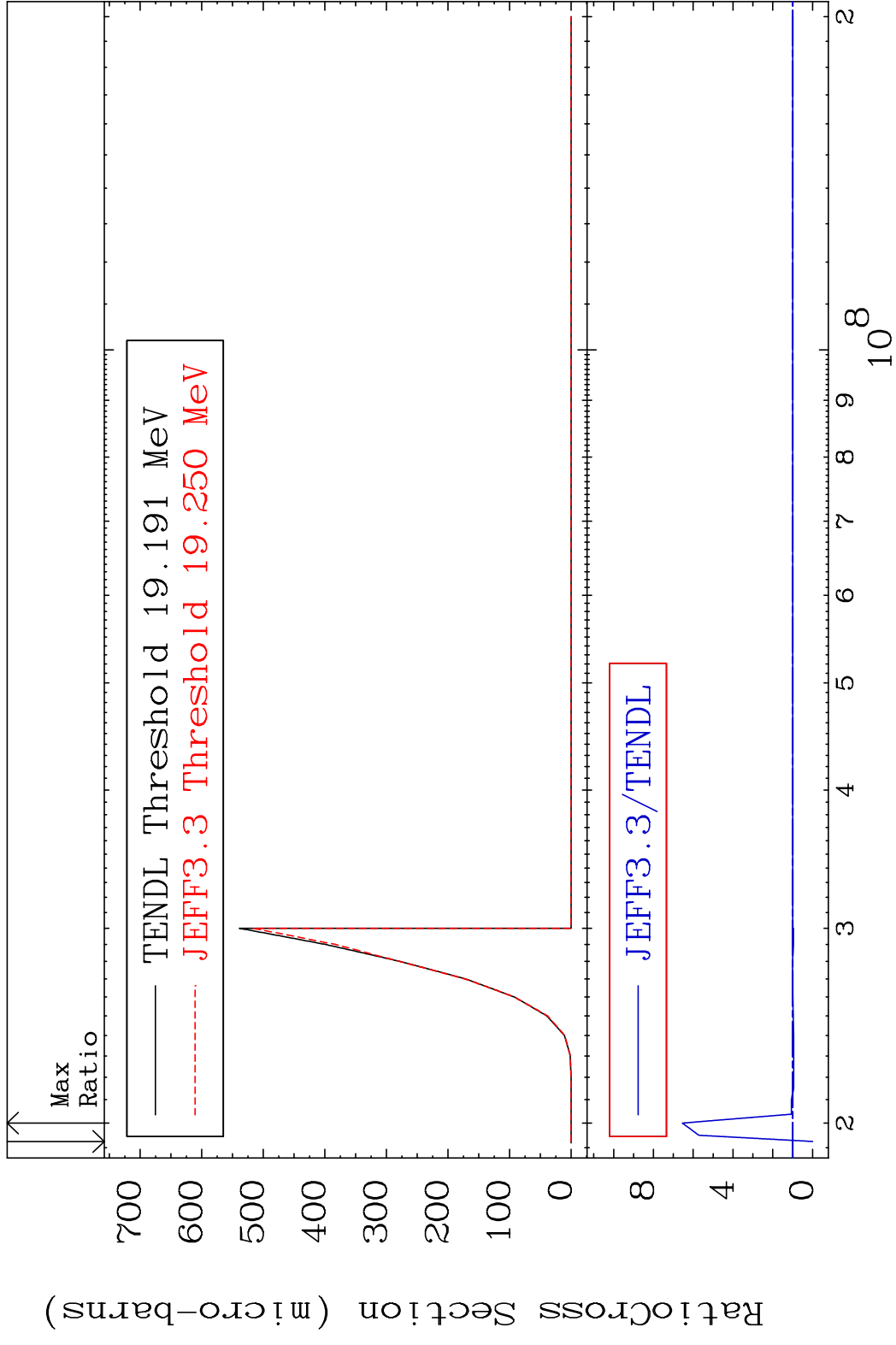
MAT 1525 (n,2p) 15-P -31  
 Cross Section -100.0 To 42.01 %



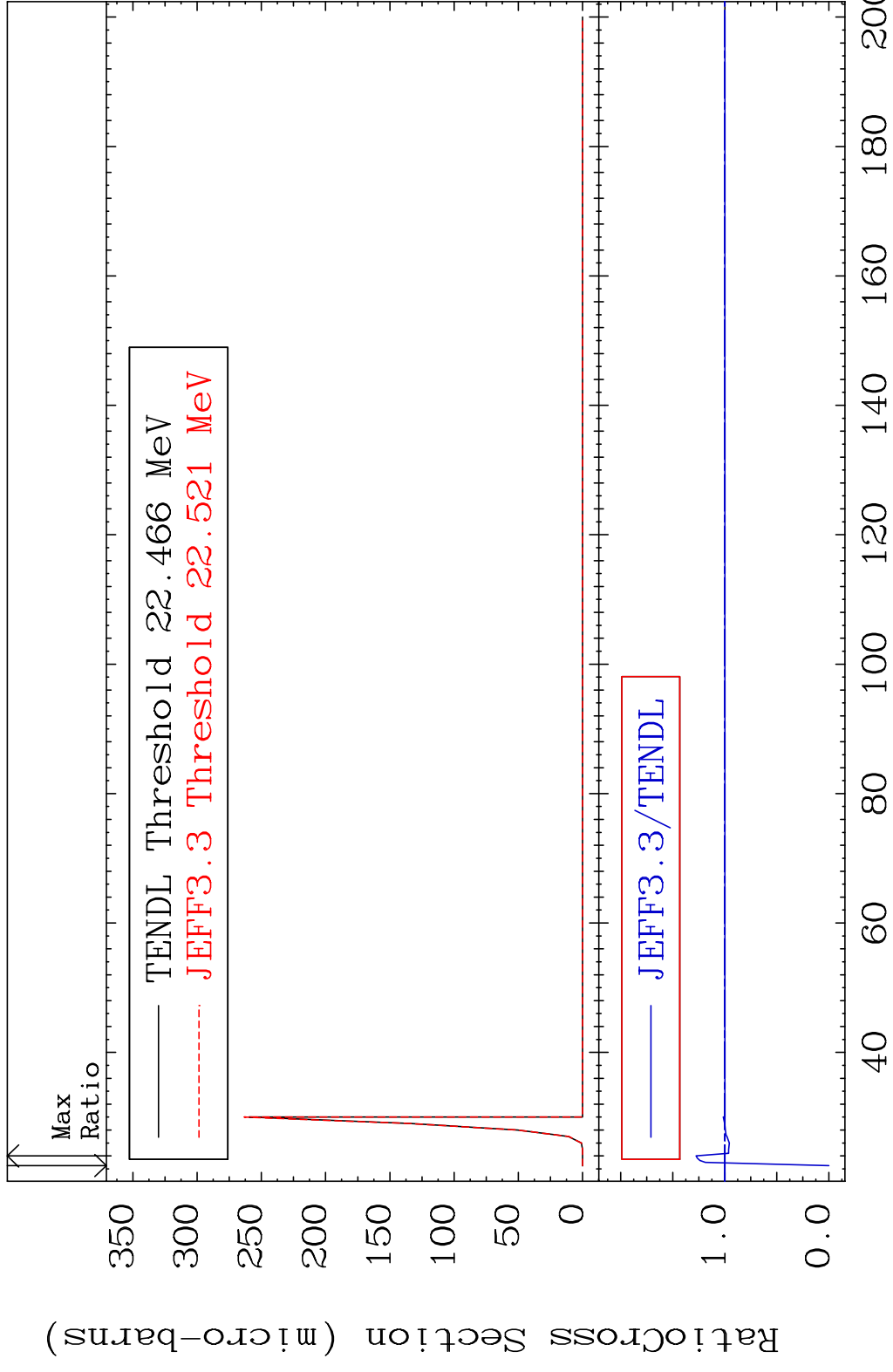
MAT 1525 (n,p)  $\alpha$  15-P -31  
 Cross Section -100.0 To 7.270 %



MAT 1525 (n,p) d 15-P -31  
 Cross Section -100.0 To 554.6 %



MAT 1525 (n,p) t 15-P -31  
 Cross Section -100.0 To 27.65 %

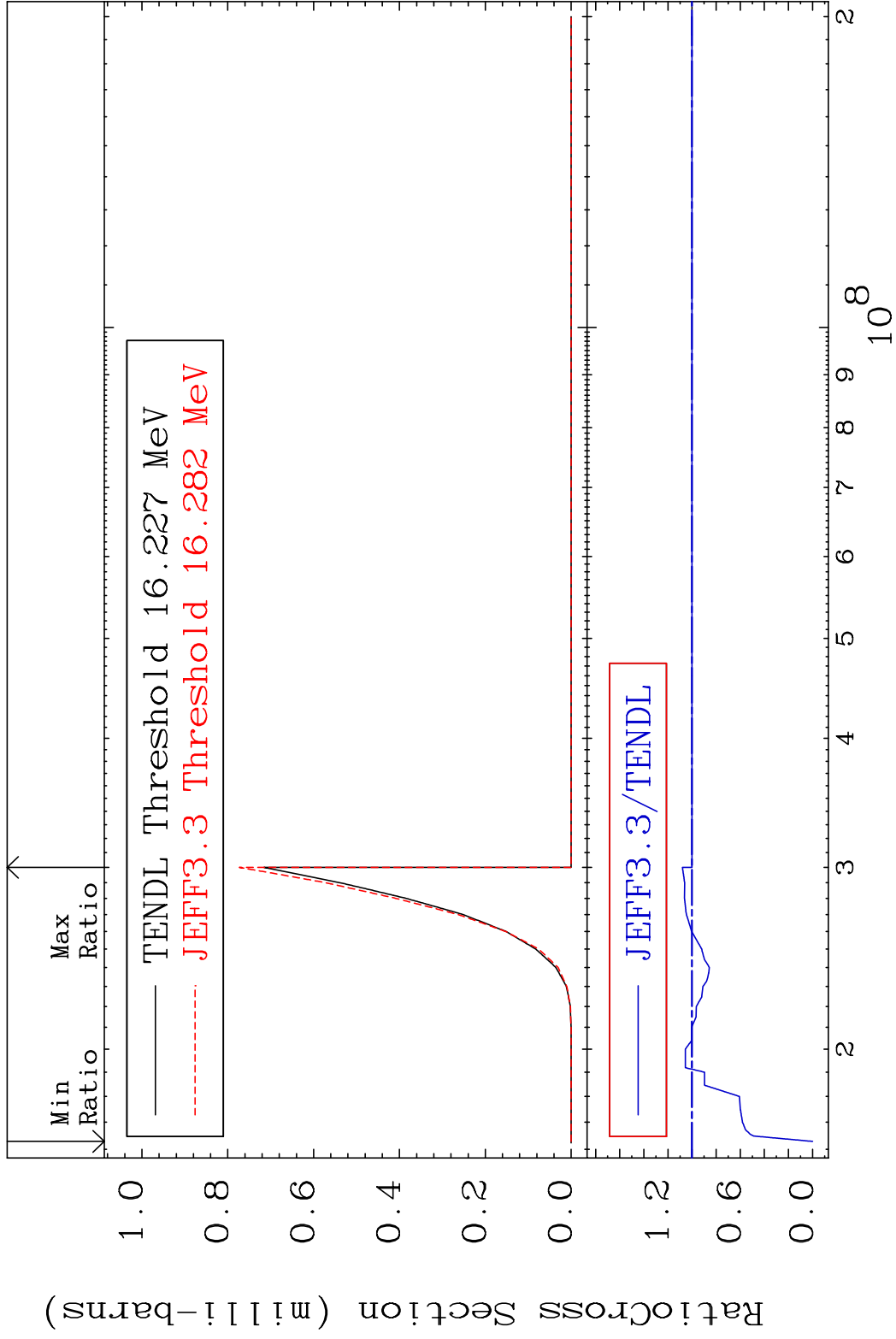


MAT 1525

(n,d)  $\alpha$

15-P -31

Cross Section -100.0 To 8.046 %

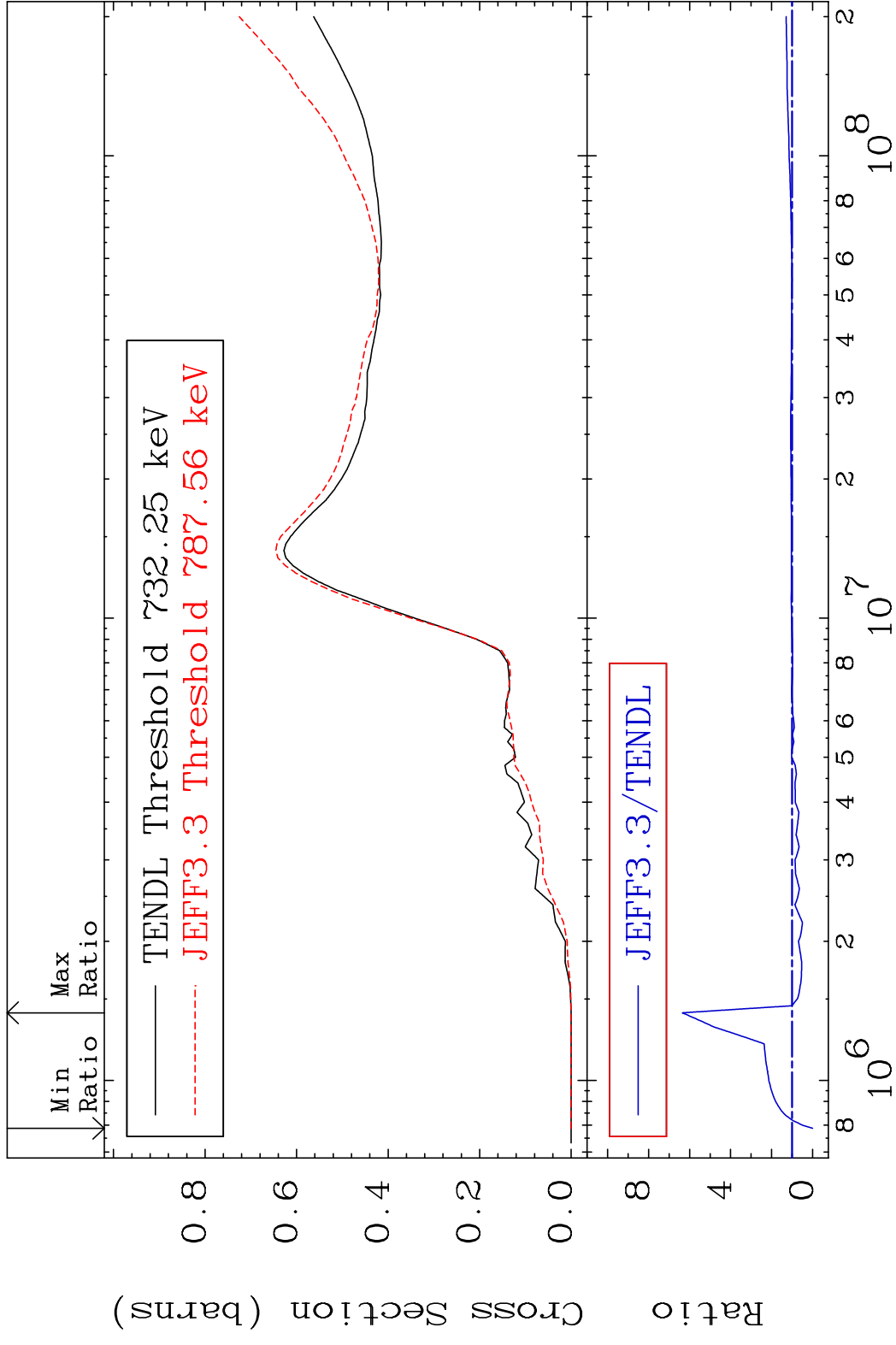


60

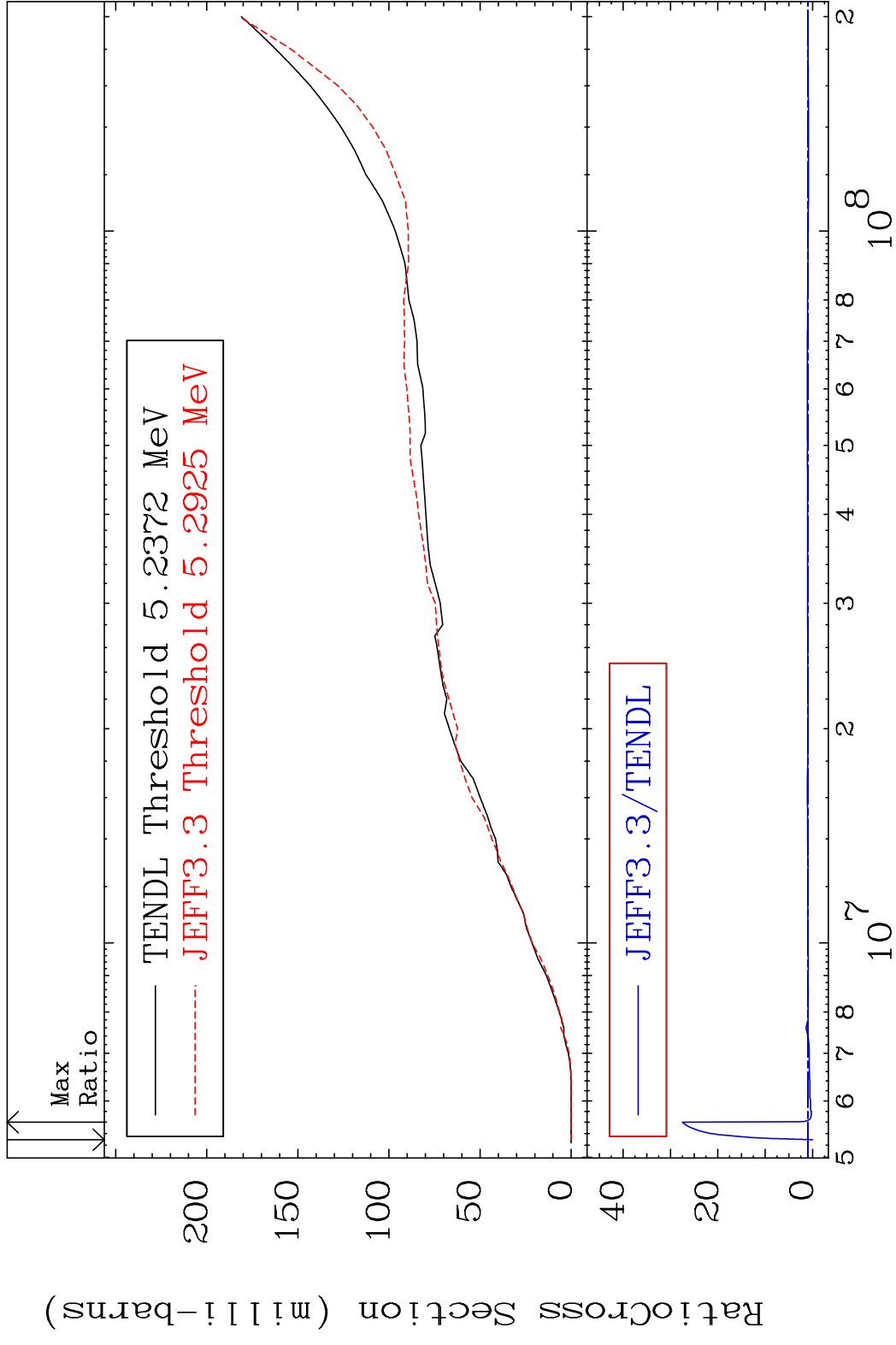
Incident Energy (eV)

15-P -31

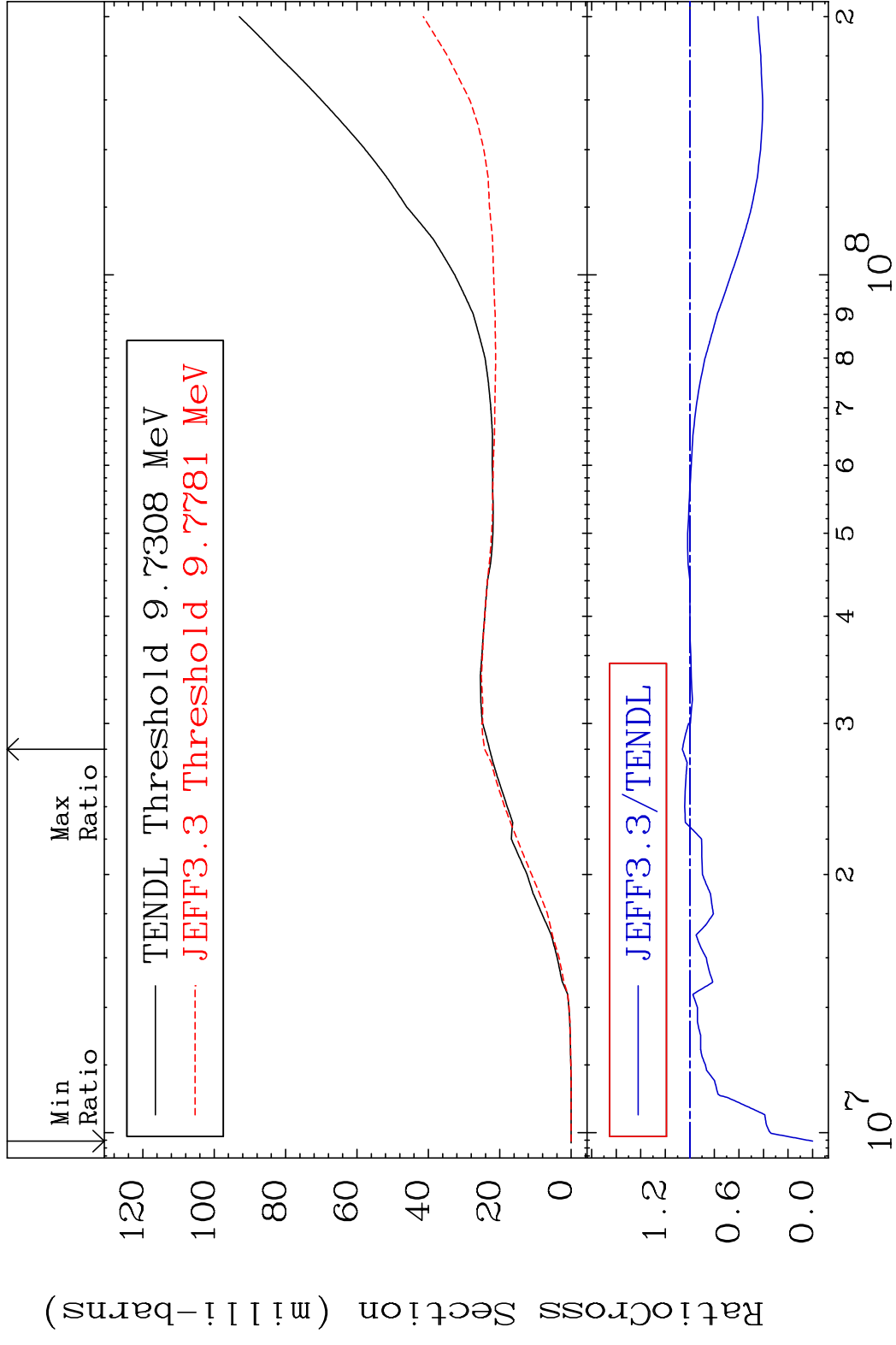
Cross Section -100.0 To 535.4 %



MAT 1525 Deuterium Production 15-P -31  
 Cross Section -100.0 To 2649. %

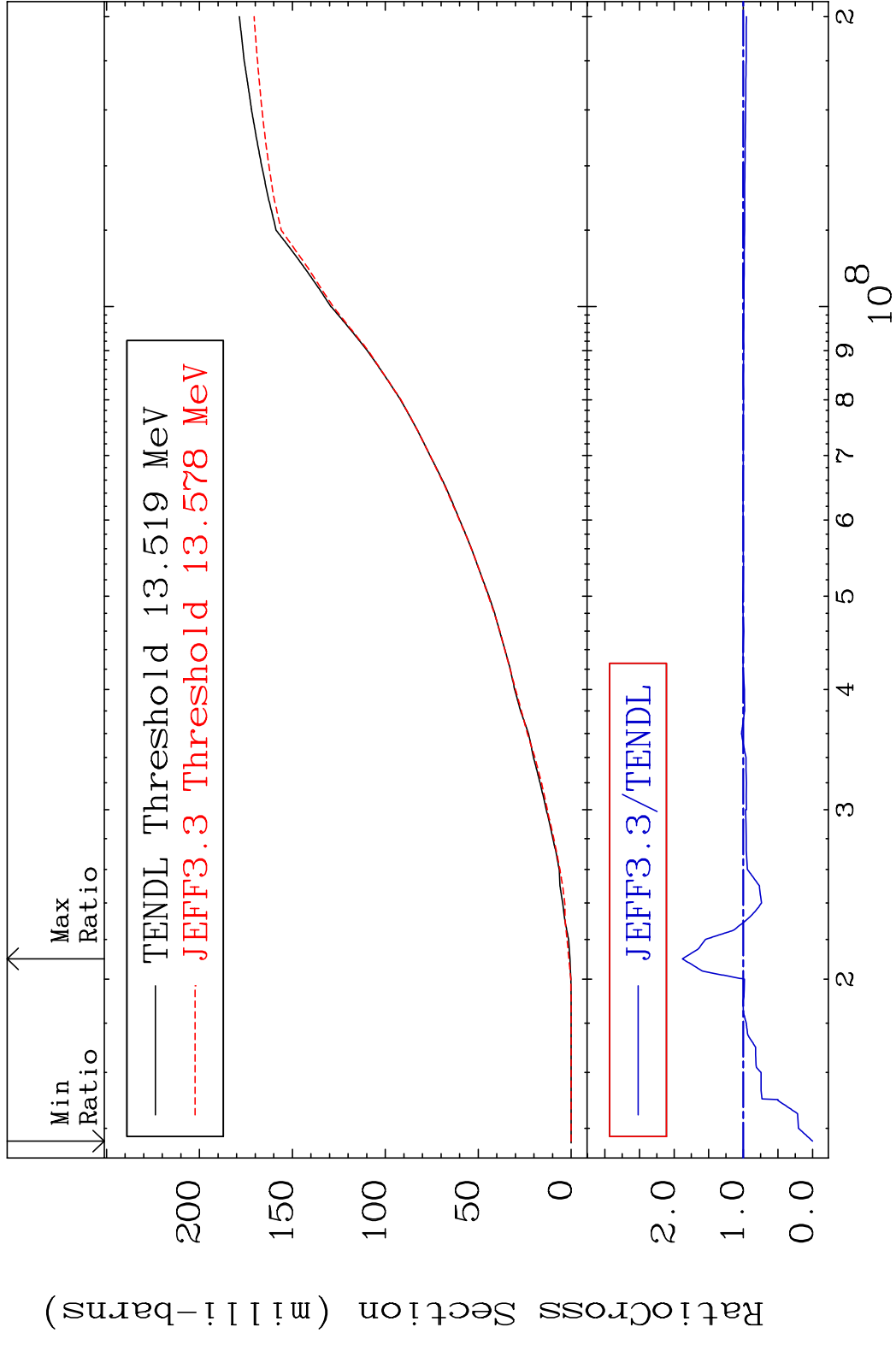


MAT 1525 Tritium Production 15-P -31  
 Cross Section -100.0 To 6.101 %

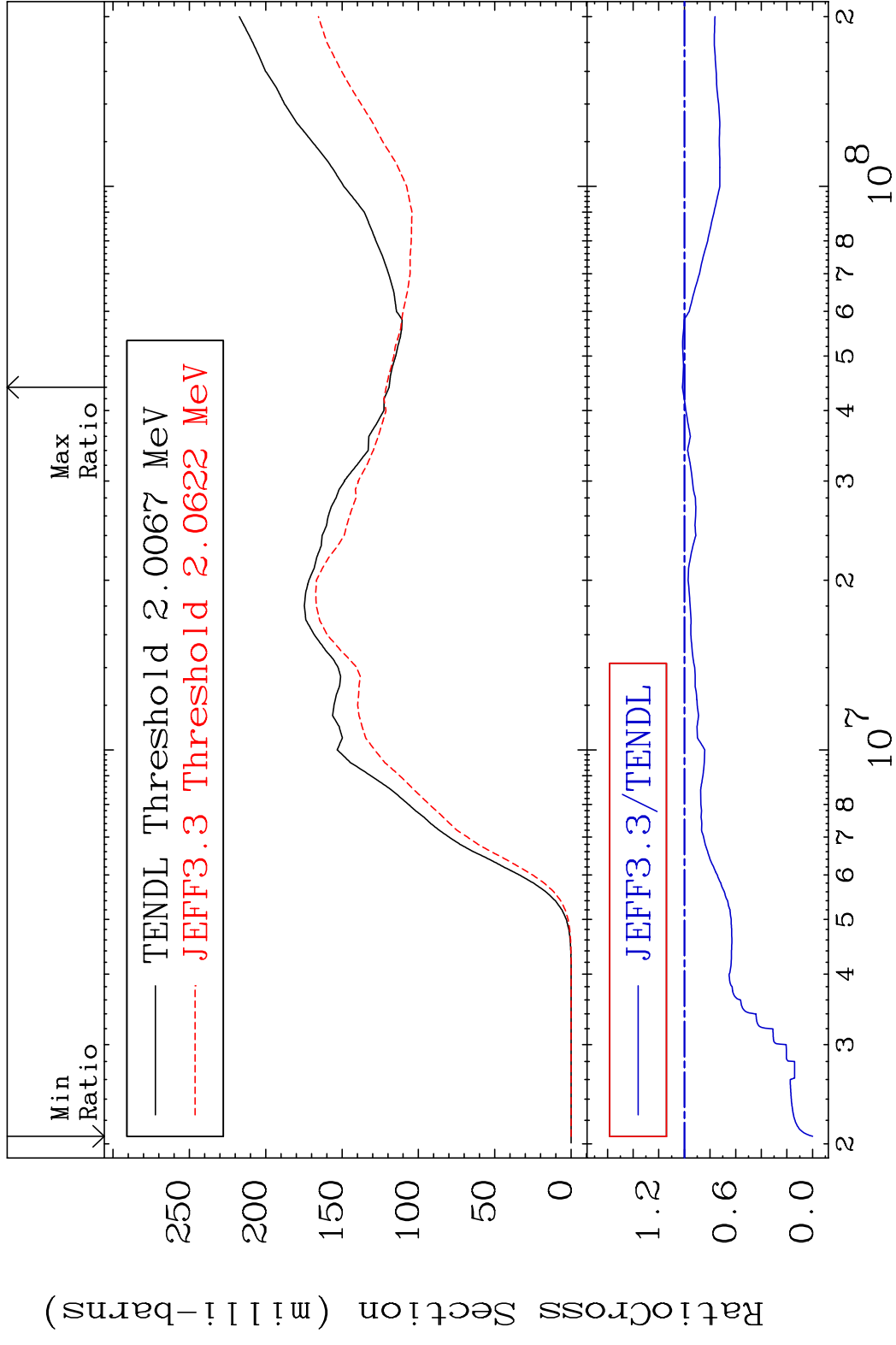


63 Incident Energy (eV) 15-P -31

MAT 1525 He-3 Production 15-P -31  
 Cross Section -100.0 To 88.05 %

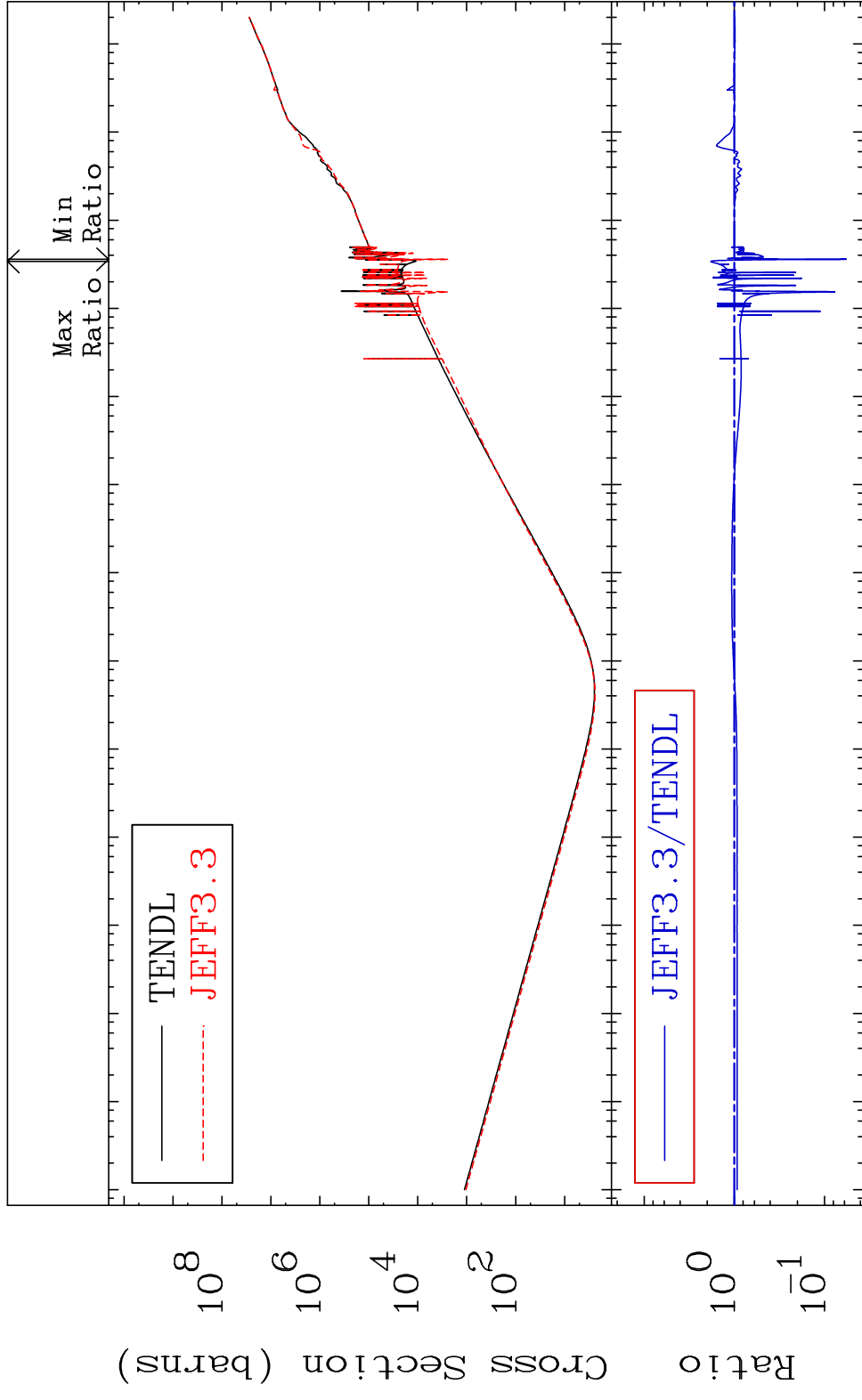


MAT 1525 He-4 Production 15-P -31  
 Cross Section -100.0 To 1.582 %



65 Incident Energy (eV) 15-P -31

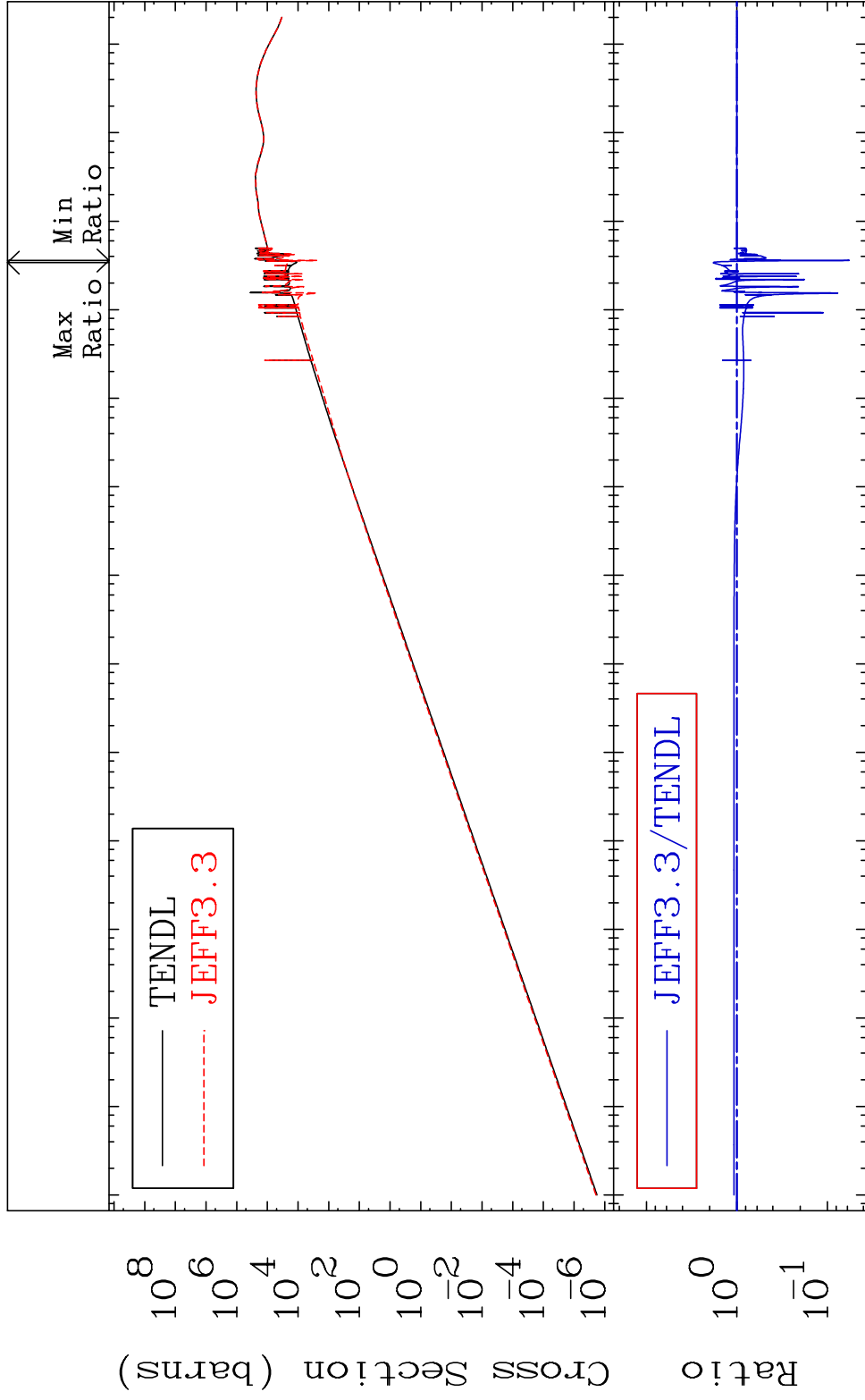
MAT 1525 Kerma total (eV-barns) 15-P -31  
 Cross Section -94.27 To 82.94 %



MAT 1525

Kerma elastic  
Cross Section

15-P -31  
-94.27 To 82.94 %

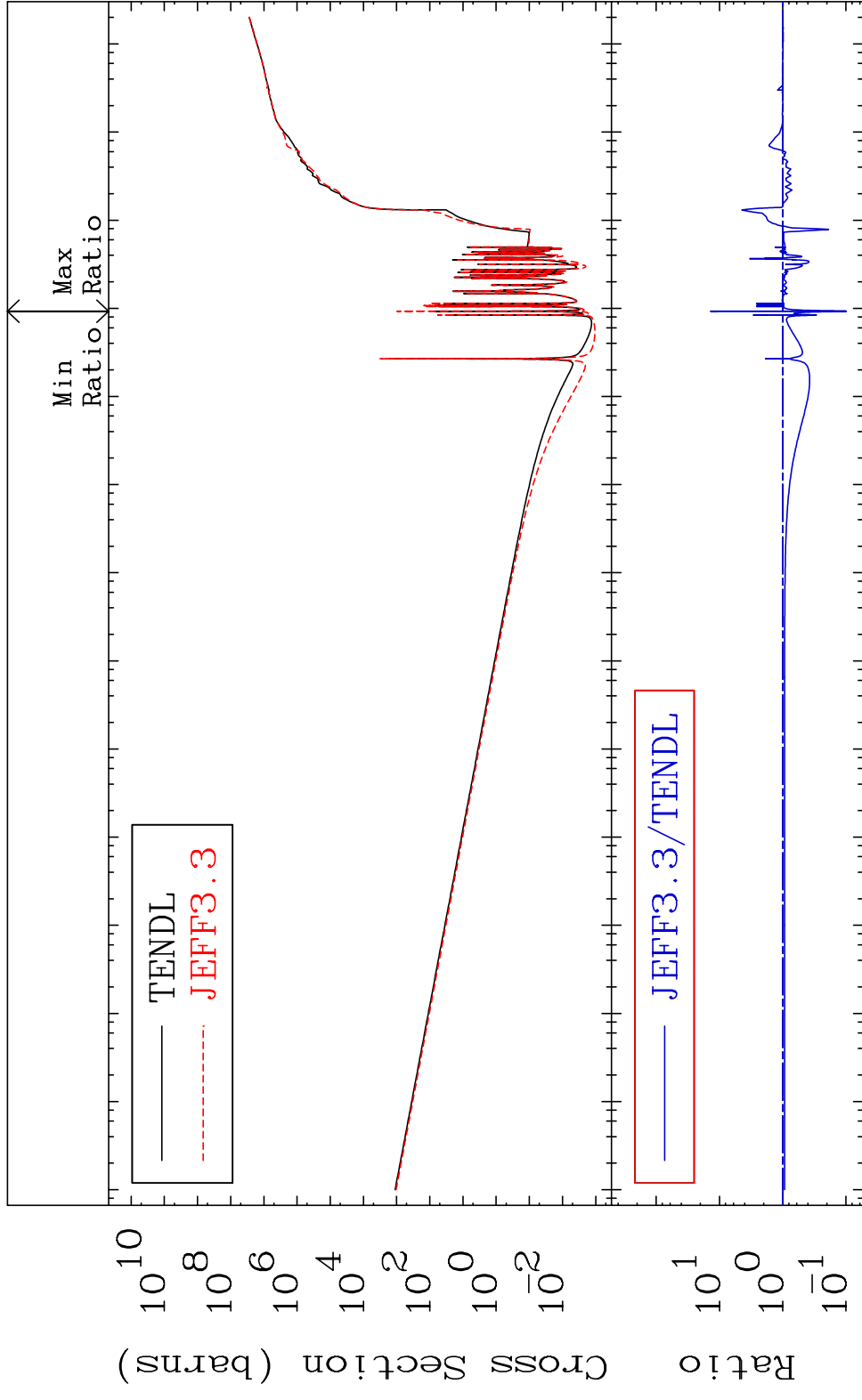


67

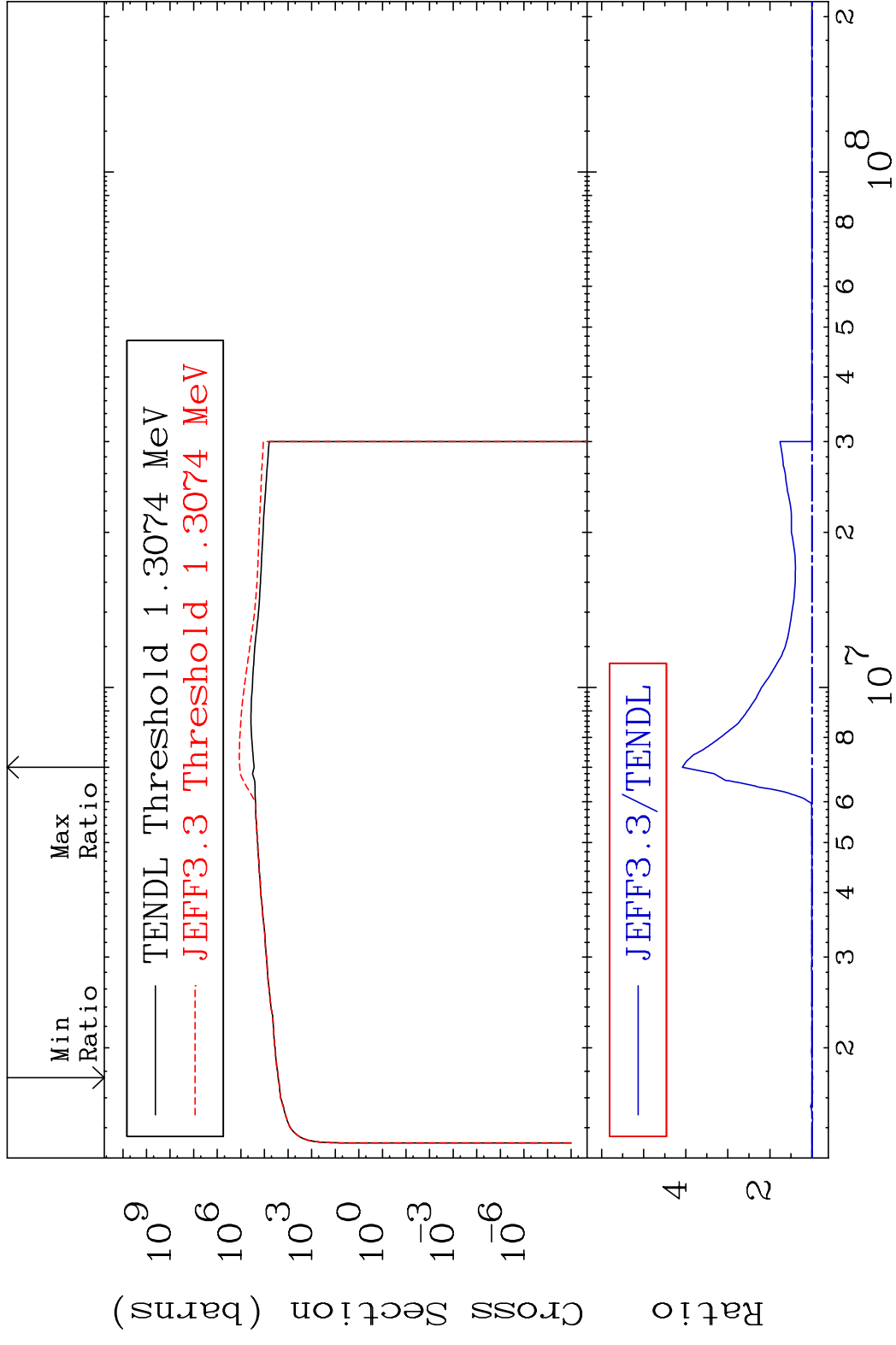
Incident Energy (eV)

15-P -31

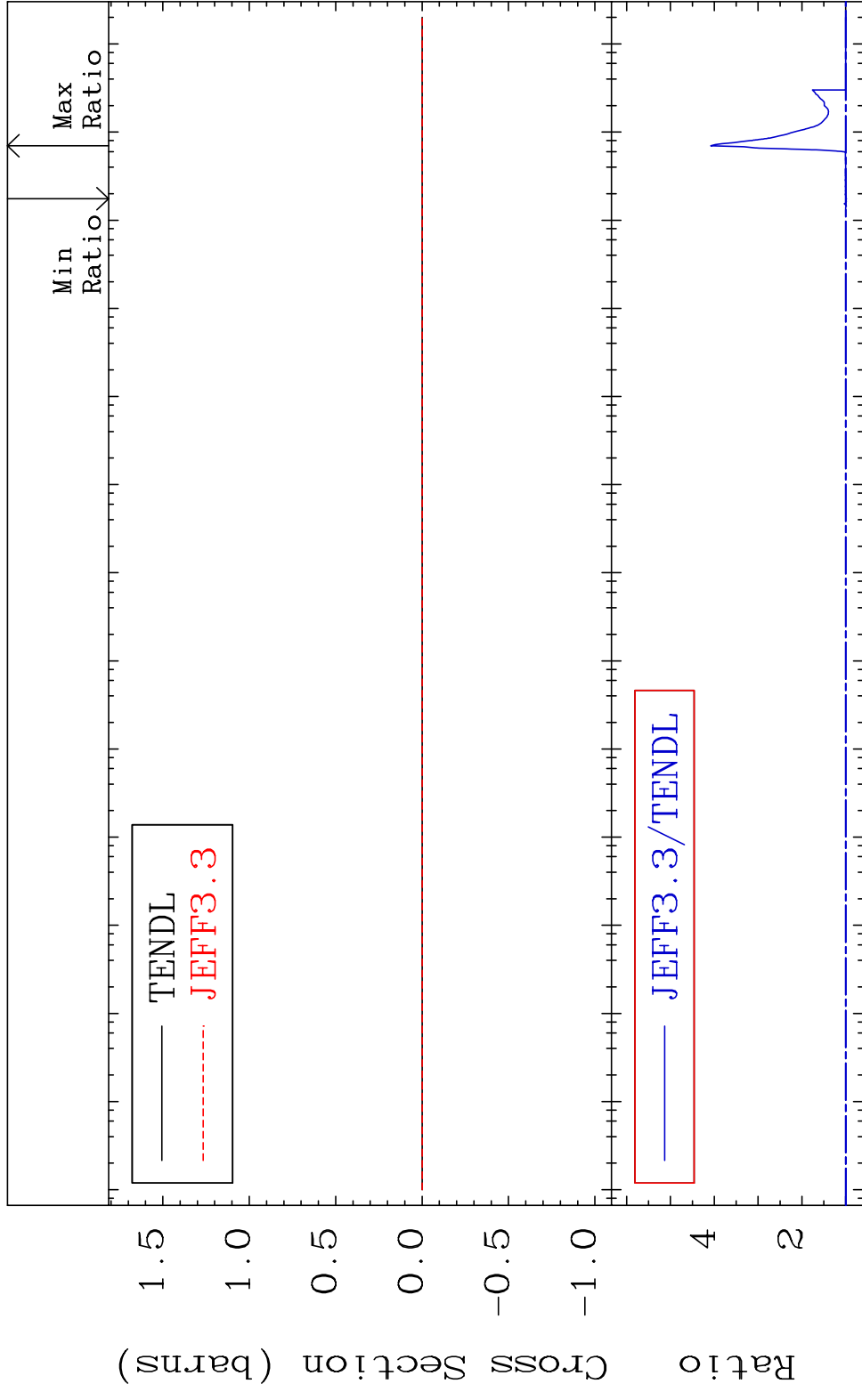
MAT 1525 Kerma non-elastic (all but mt2) 15-P -31  
 Cross Section -90.14 To 1274. %



MAT 1525 Kerma inelastic (mt51-91) 15-P -31  
 Cross Section -1.243 To 308.1 %



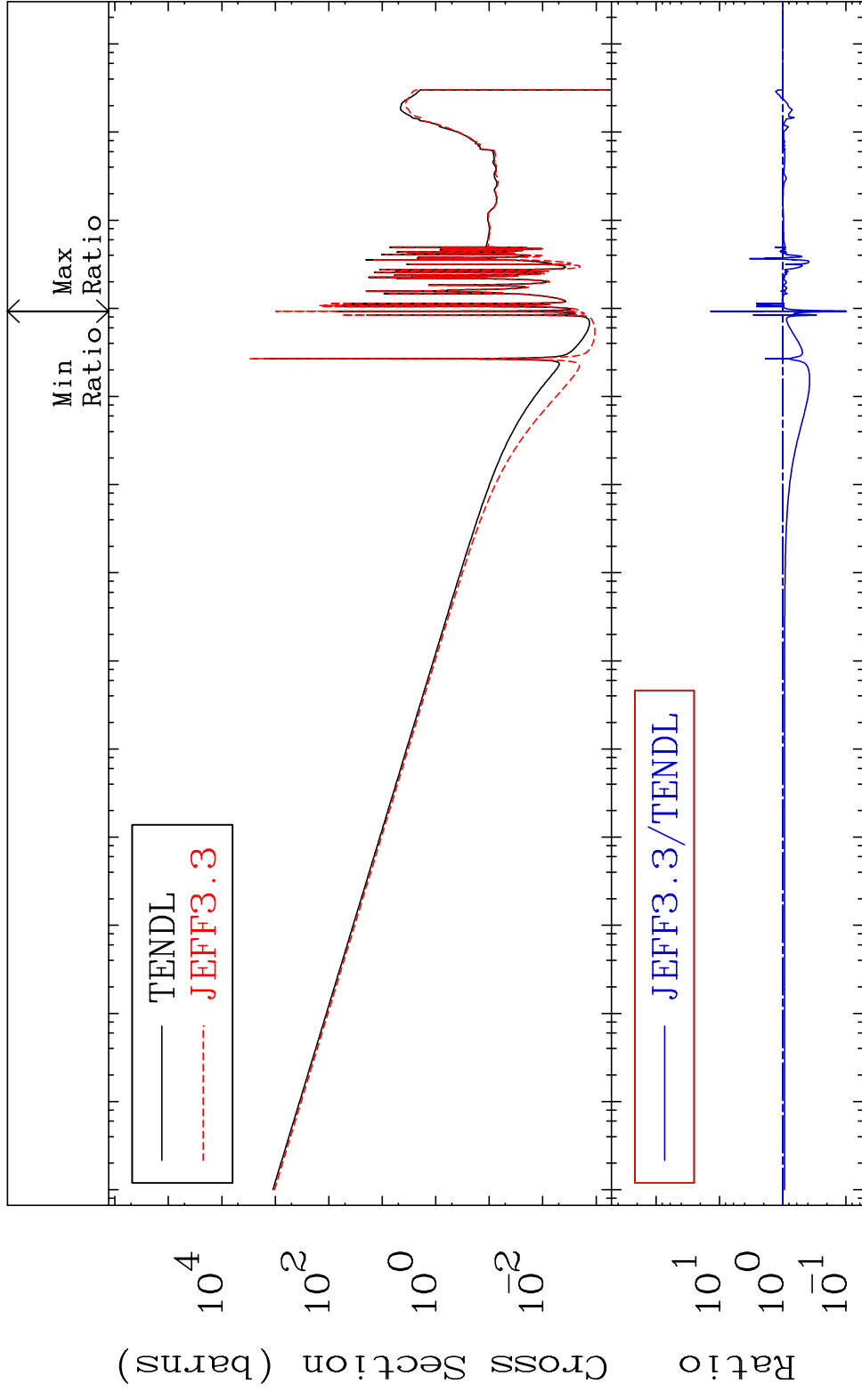
MAT 1525 Kerma fission (mt18 or mt19-20-21-38) 15-P -31  
 Cross Section -1.243 To 308.1 %



70 Incident Energy (eV) 15-P -31

MAT 1525

Kerma capture (mt102) 15-P -31  
Cross Section -90.14 To 1274. %



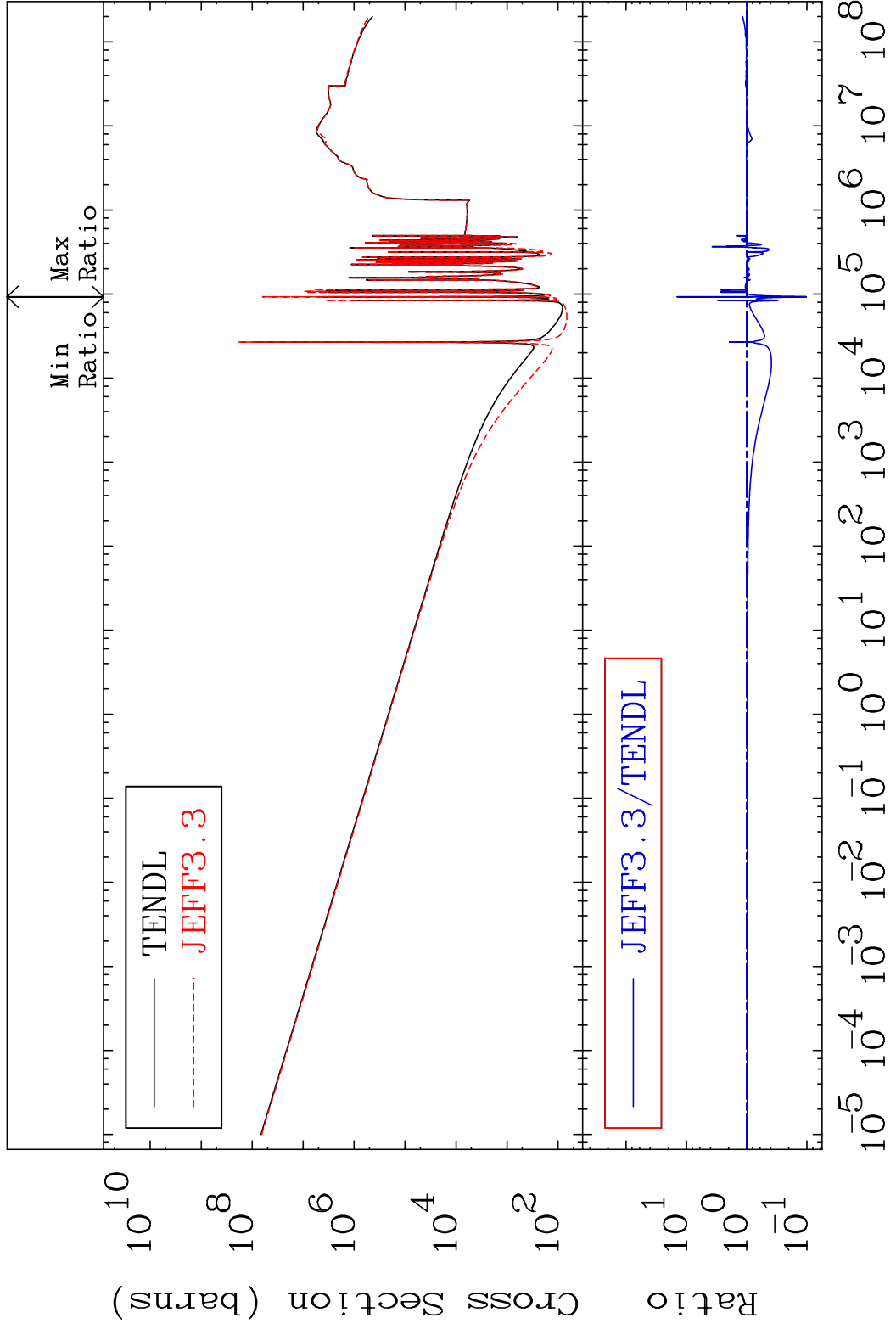
71

Incident Energy (eV)

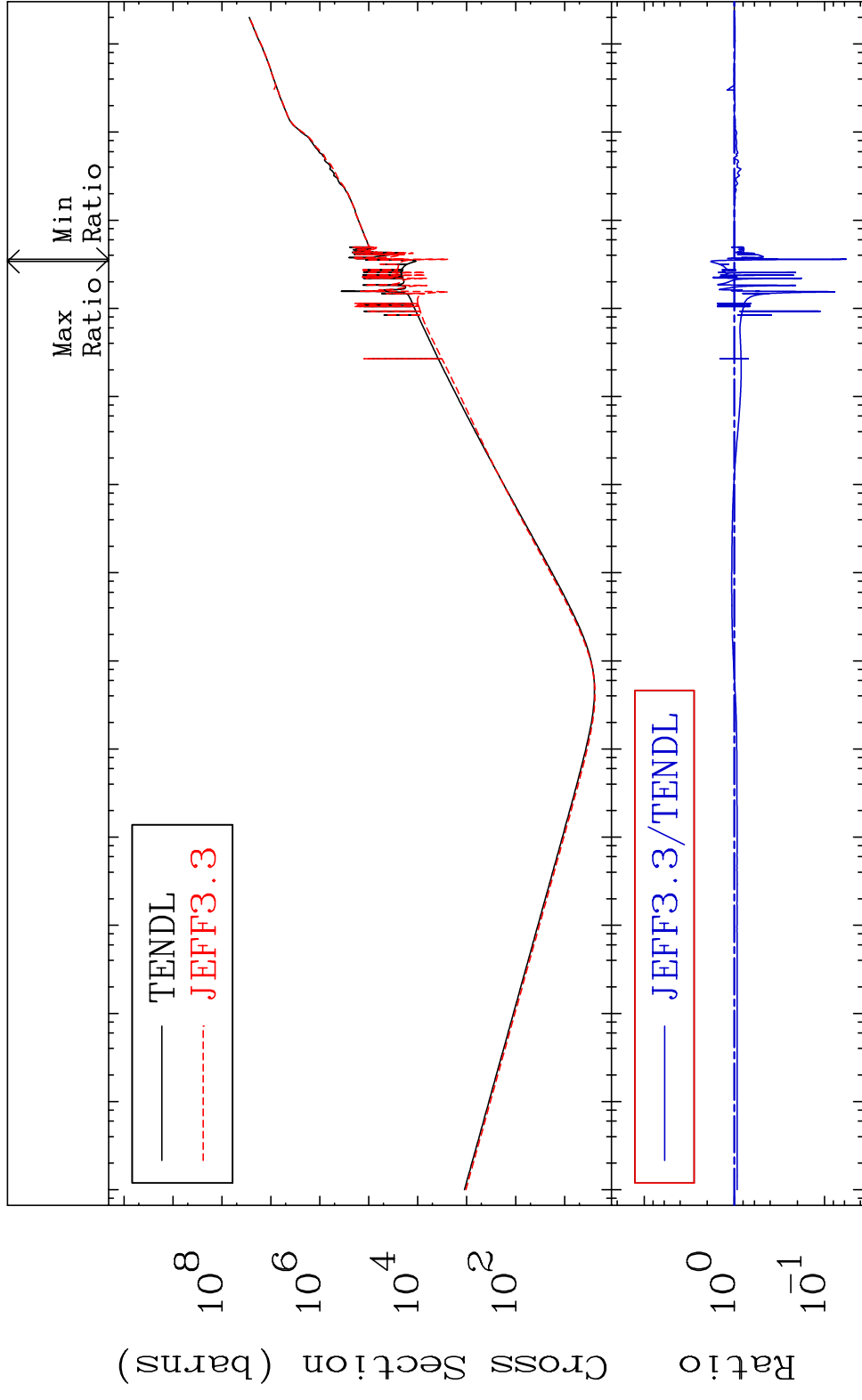
15-P -31

MAT 1525

Total photon (eV-barns) 15-P -31  
Cross Section -89.78 To 1324. %



MAT 1525 Total kinematic kerma (high limit) 15-P -31  
 Cross Section -94.27 To 82.94 %



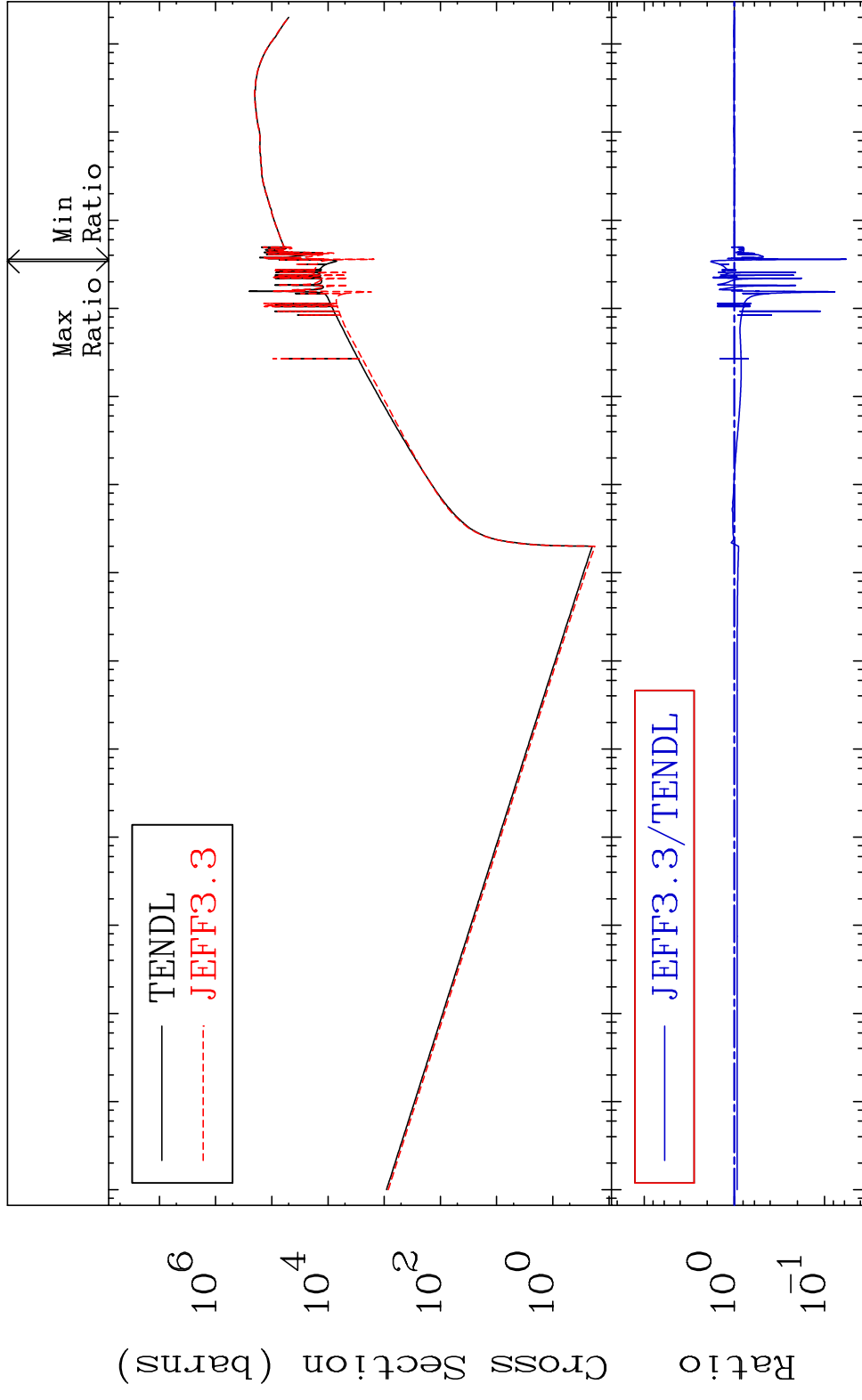
73 Incident Energy (eV) 15-P -31

MAT 1525

Dpa total (eV-barns)

15-P -31

Cross Section -94.27 To 82.94 %



74

Incident Energy (eV)

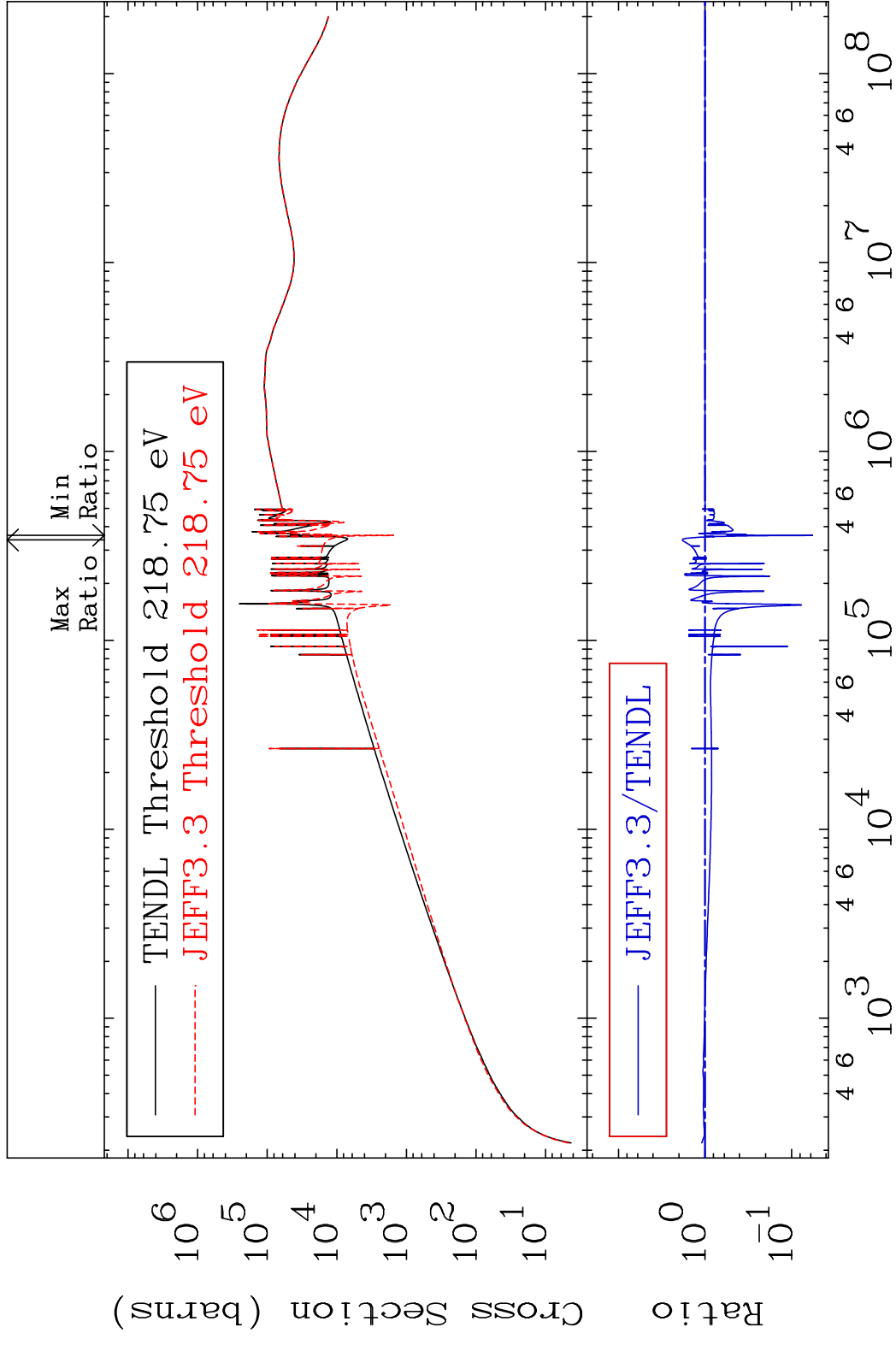
15-P -31

MAT 1525

Dpa elastic (mt2)

15-P -31

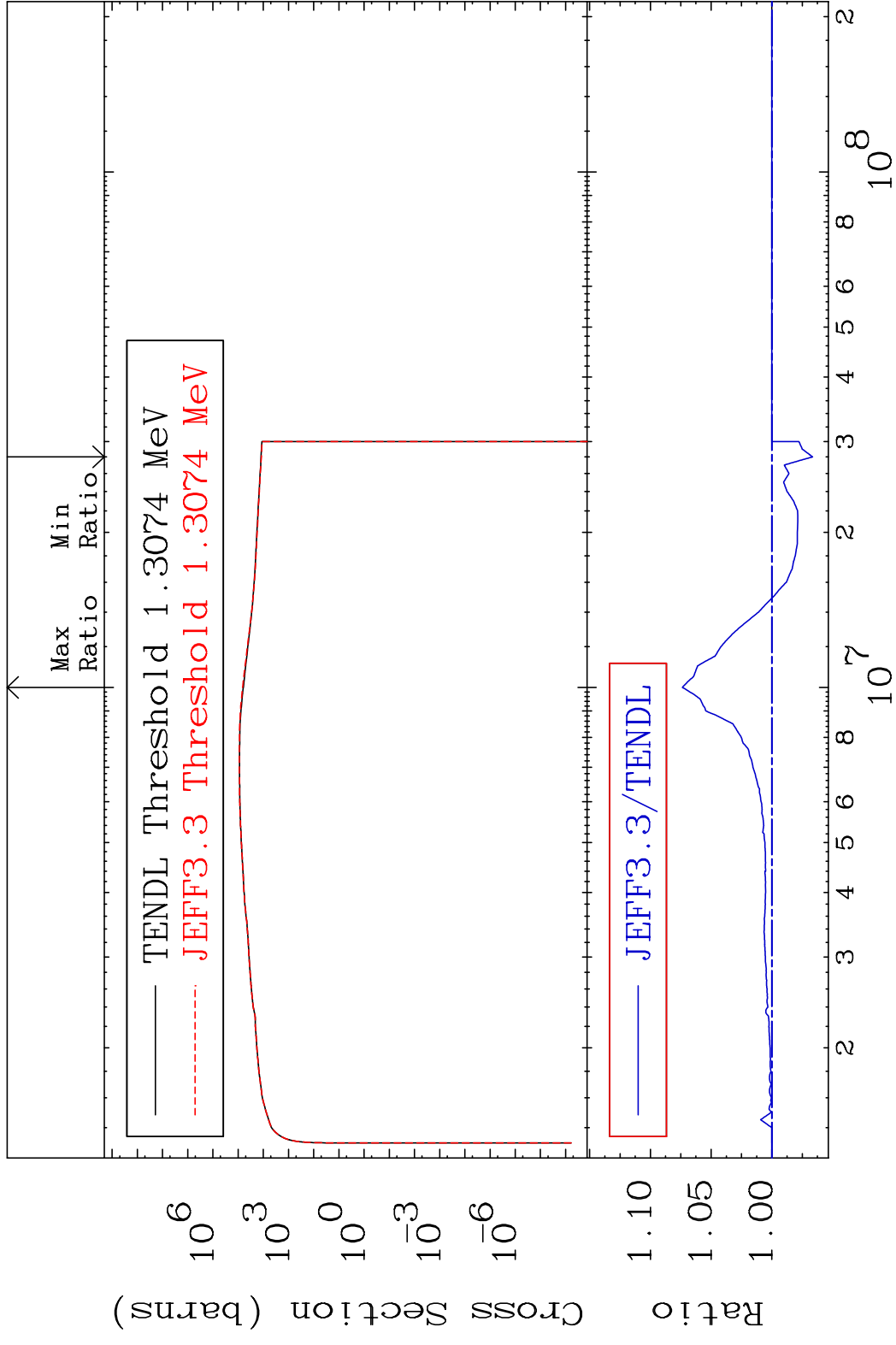
Cross Section -94.27 To 82.94 %



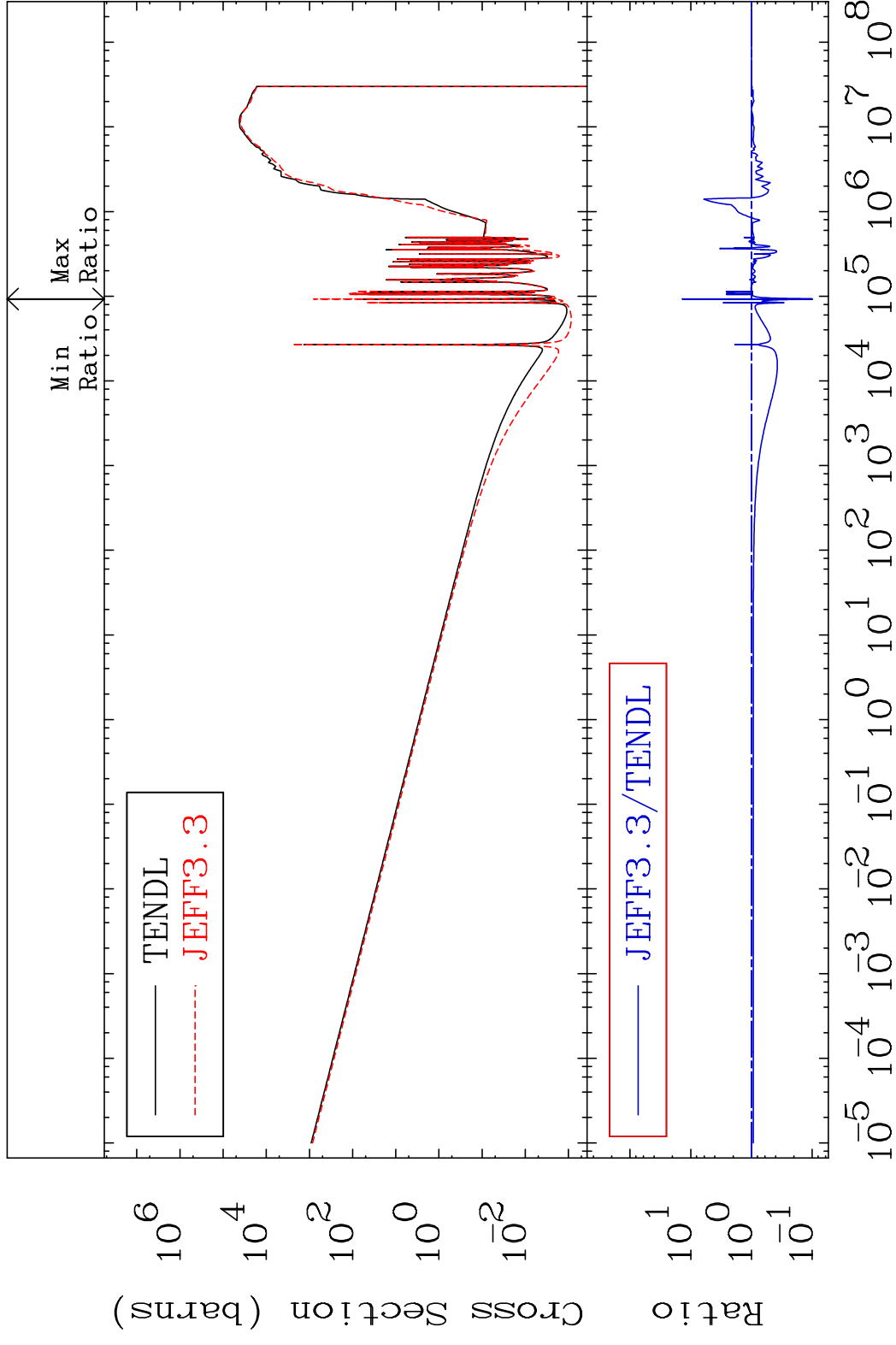
75

Incident Energy (eV)

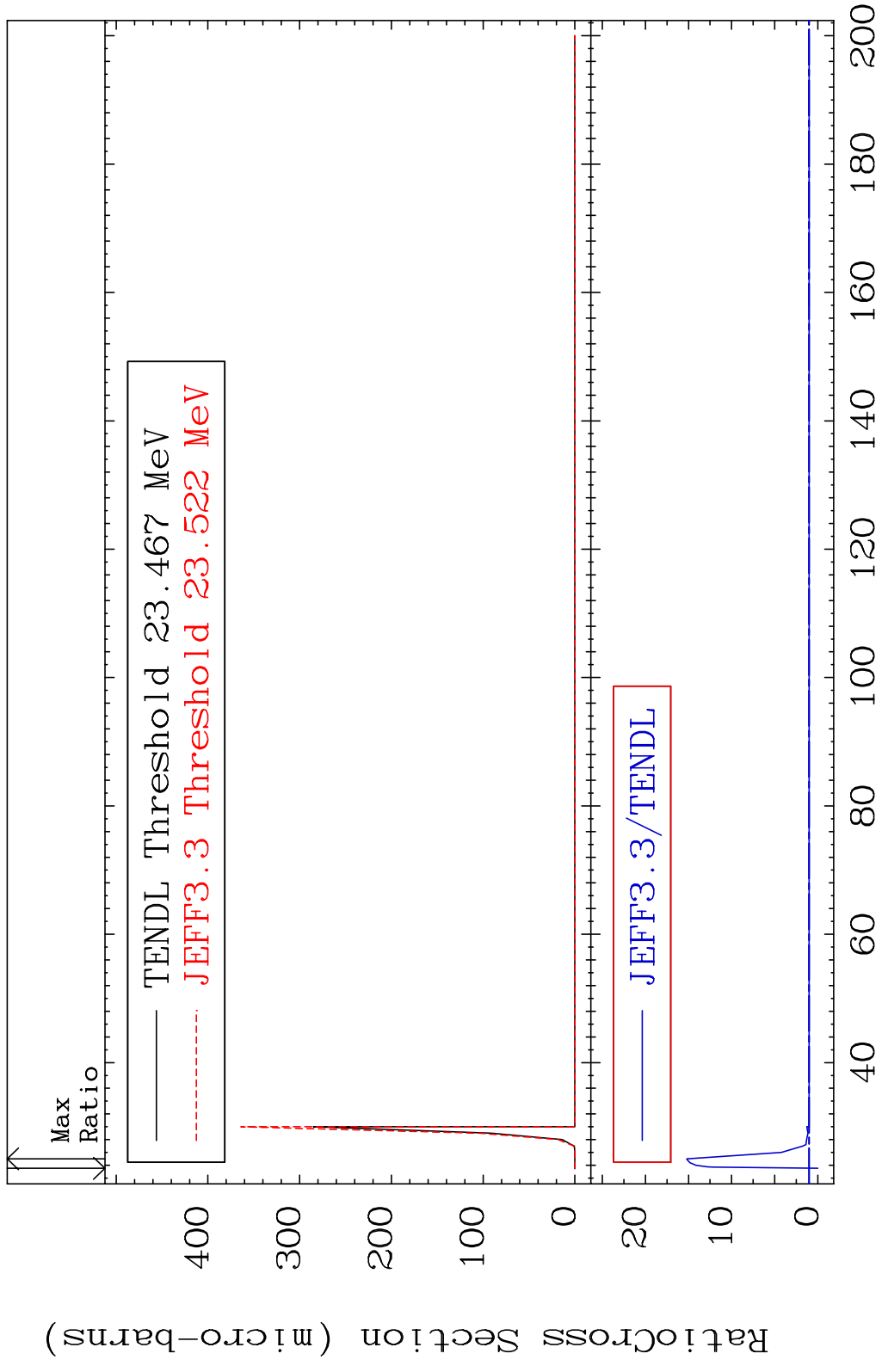
15-P -31



MAT 1525 Dpa disappearance (mt102 -120) 15-P -31  
 Cross Section -90.15 To 1273. %



MAT 1525 (n,2n)  $\alpha$ :13-Al-26g 15-P -31  
 Radionuclide Production Cross Section 15-P -31  
 1800.0 dth 1421. %



MAT 1525 (n,2n)  $\alpha$ :13-Al-26m1 15-P -31  
 Radionuclide Production Cross Section to 9999. %

