

Program Complot  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

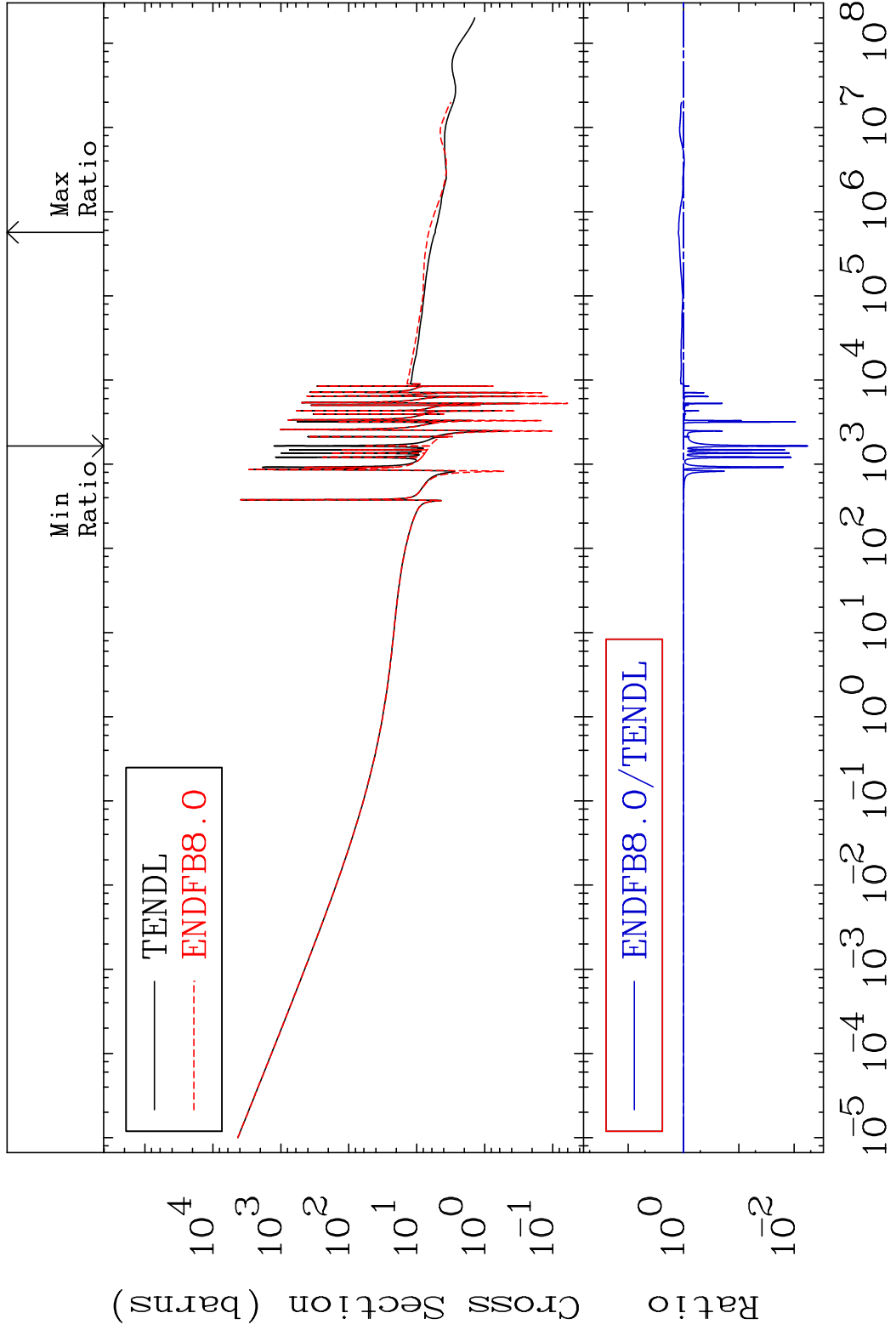
U.S.A.

Tele: 925-443-1911

E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 3431      Total      34-Se-76  
 Cross Section      -99.43 To 24.63 %



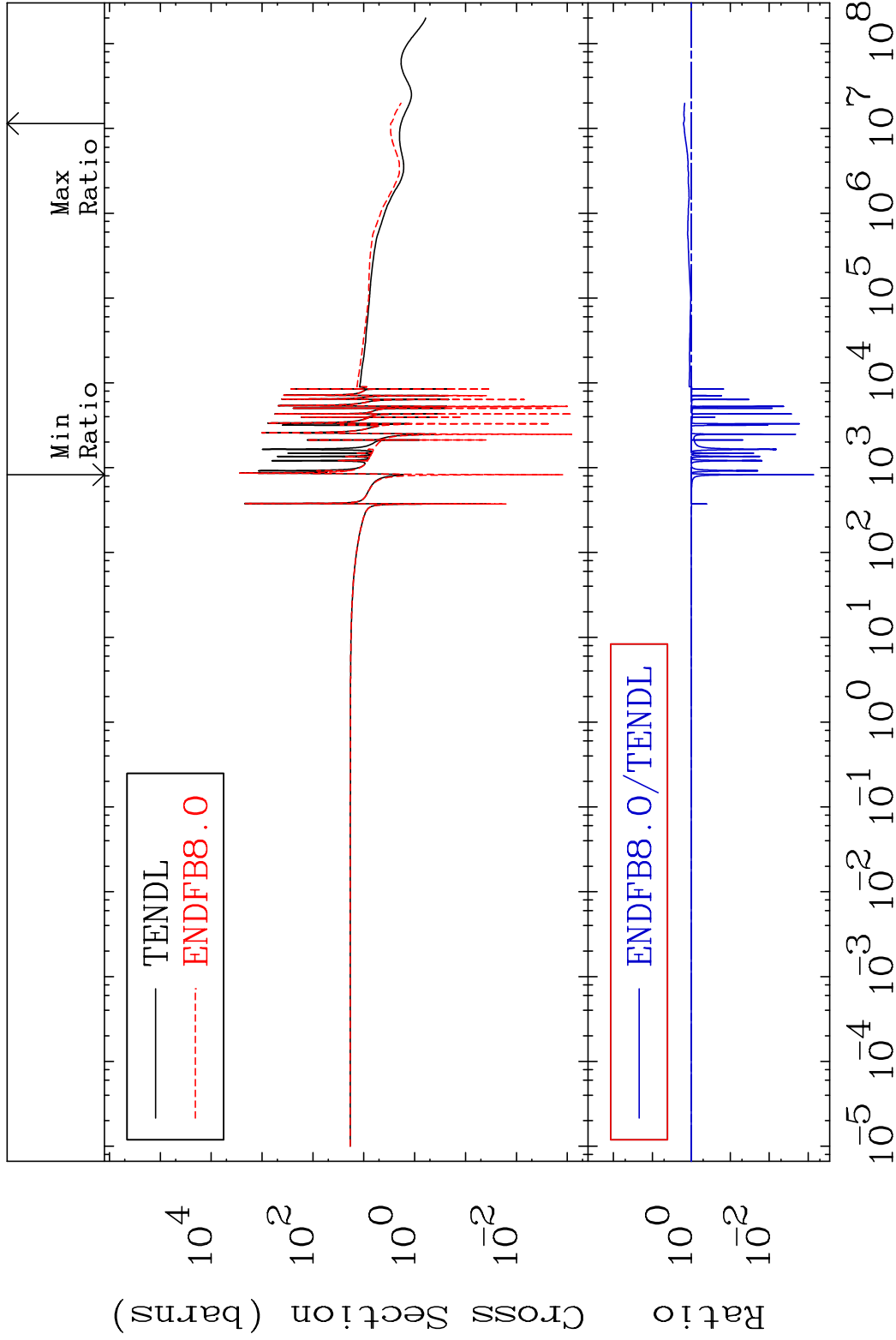
1      Incident Energy (eV)      34-Se-76

MAT 3431

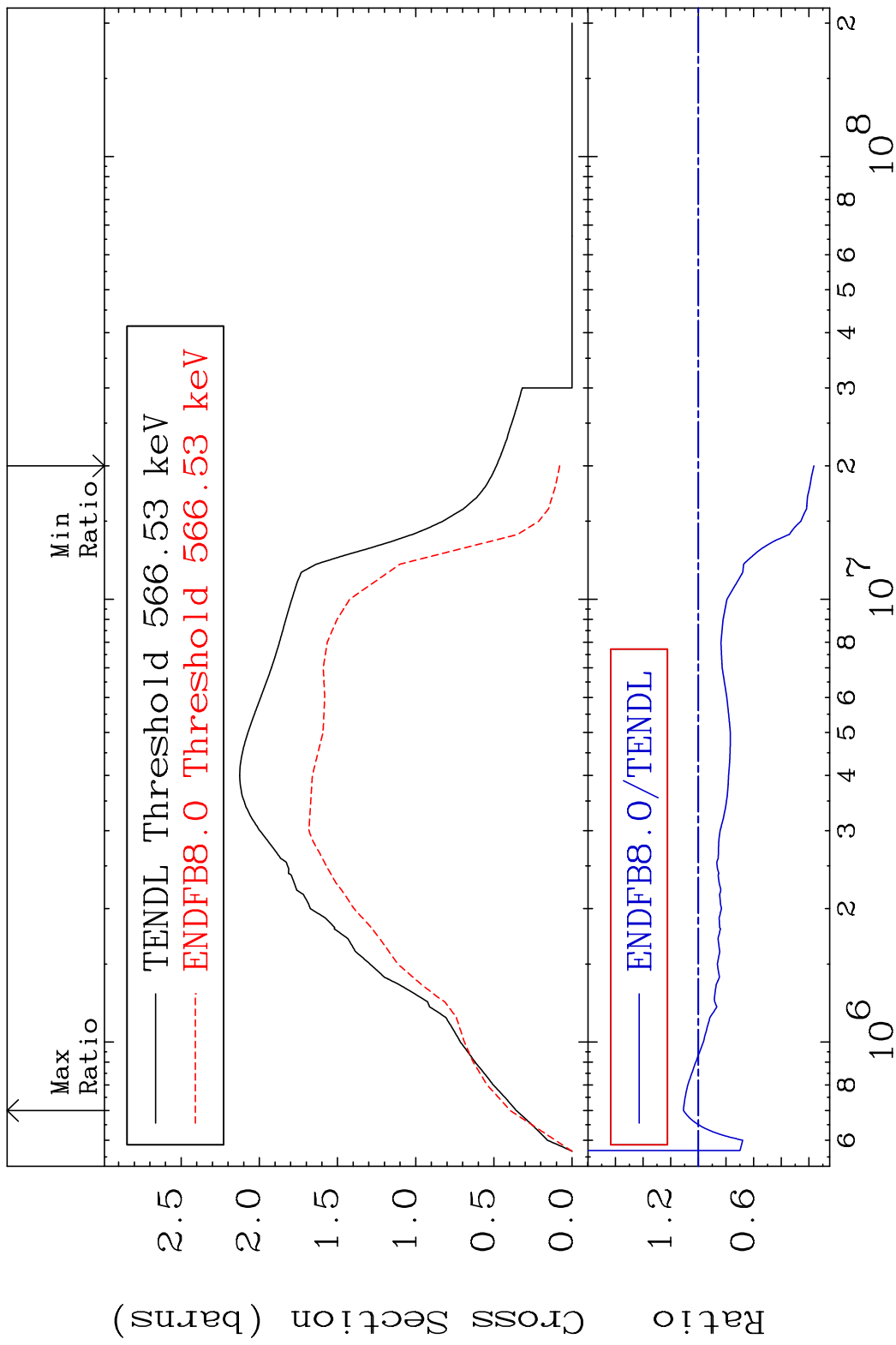
Elastic

34-Se-76

Cross Section -99.93 To 59.33 %

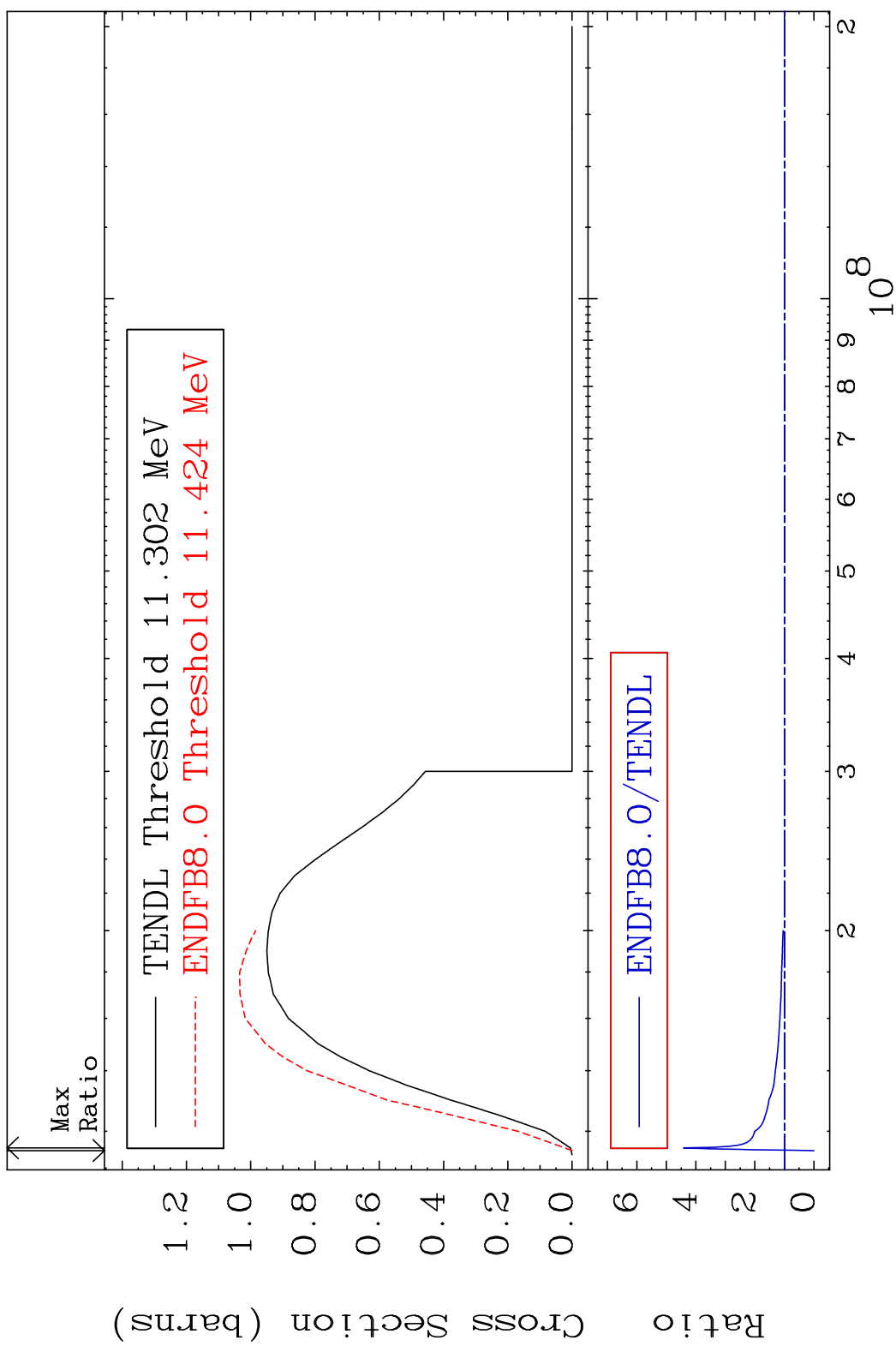


MAT 3431 Inelastic Cross Section -83.59 To 10.79 % 34-Se-76



3 Incident Energy (eV) 34-Se-76

MAT 3431 (n,2n) 34-Se-76  
 Cross Section -100.0 To 342.0 %

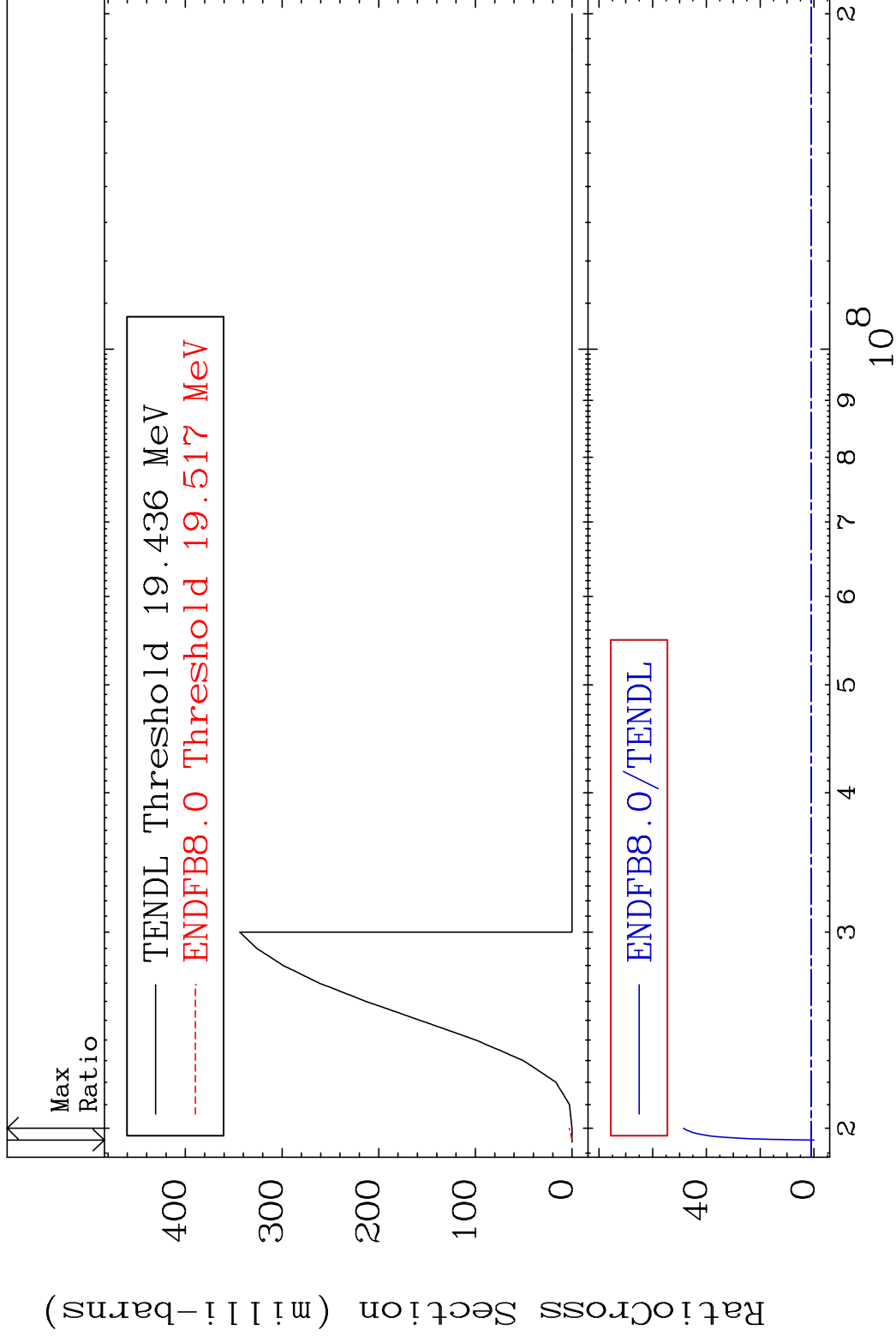


MAT 3431

(n,3n)

<sup>34</sup>Se-76

Cross Section -100.0 To 4754. %

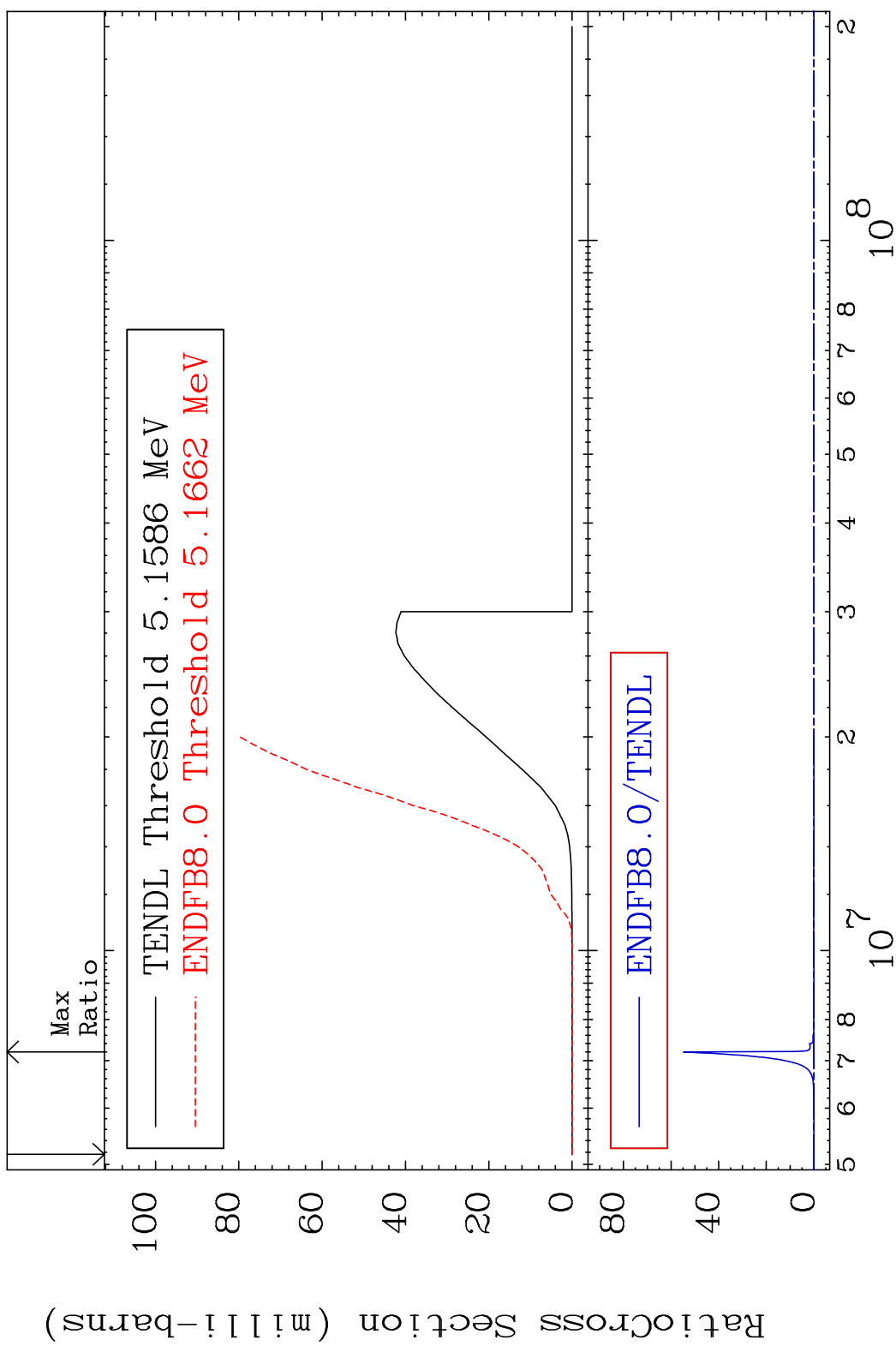


5

Incident Energy (eV)

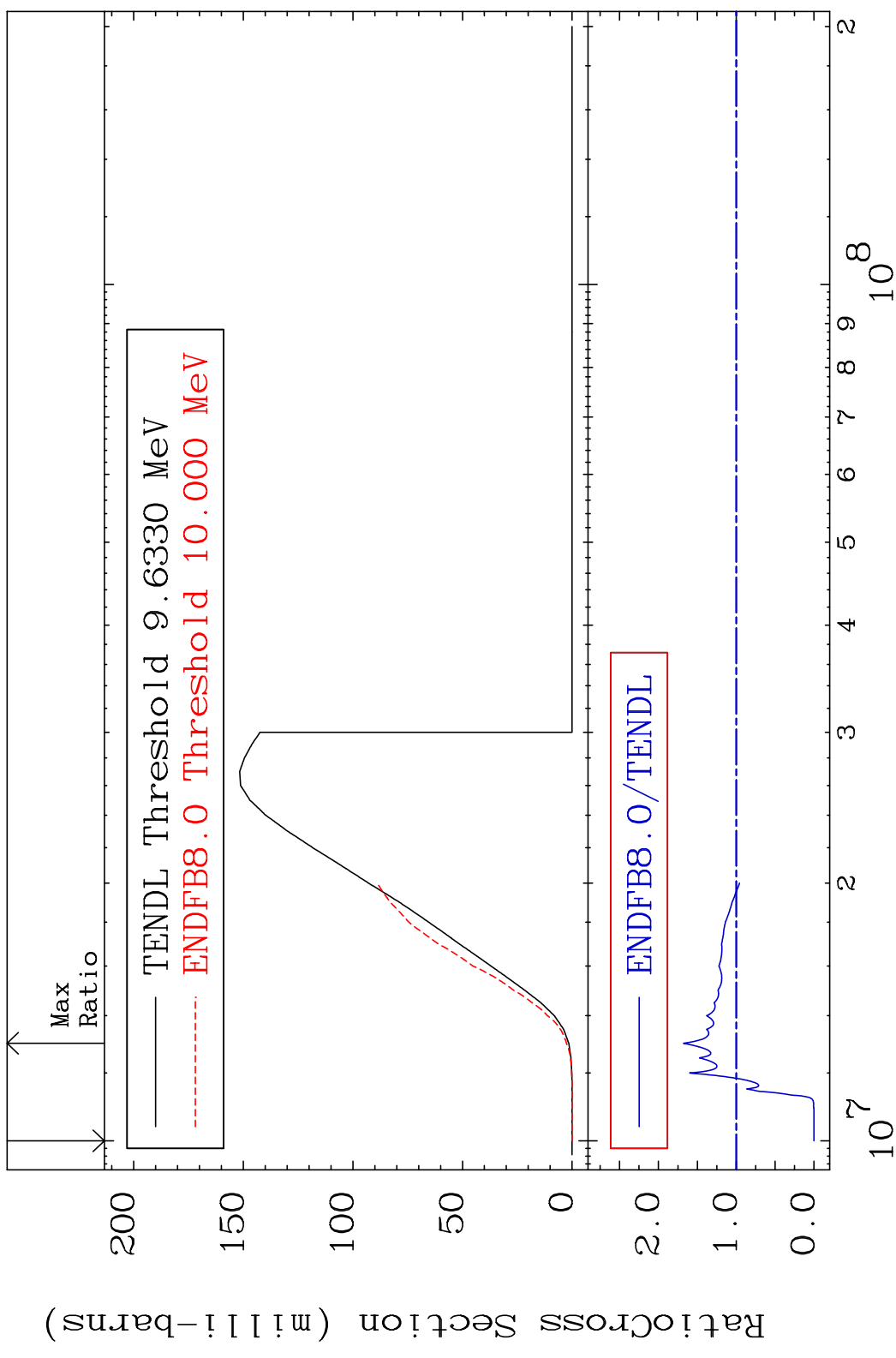
<sup>34</sup>Se-76

MAT 3431 (n, n')  $\alpha$  34-Se-76  
 Cross Section -100.0 To 9999. %



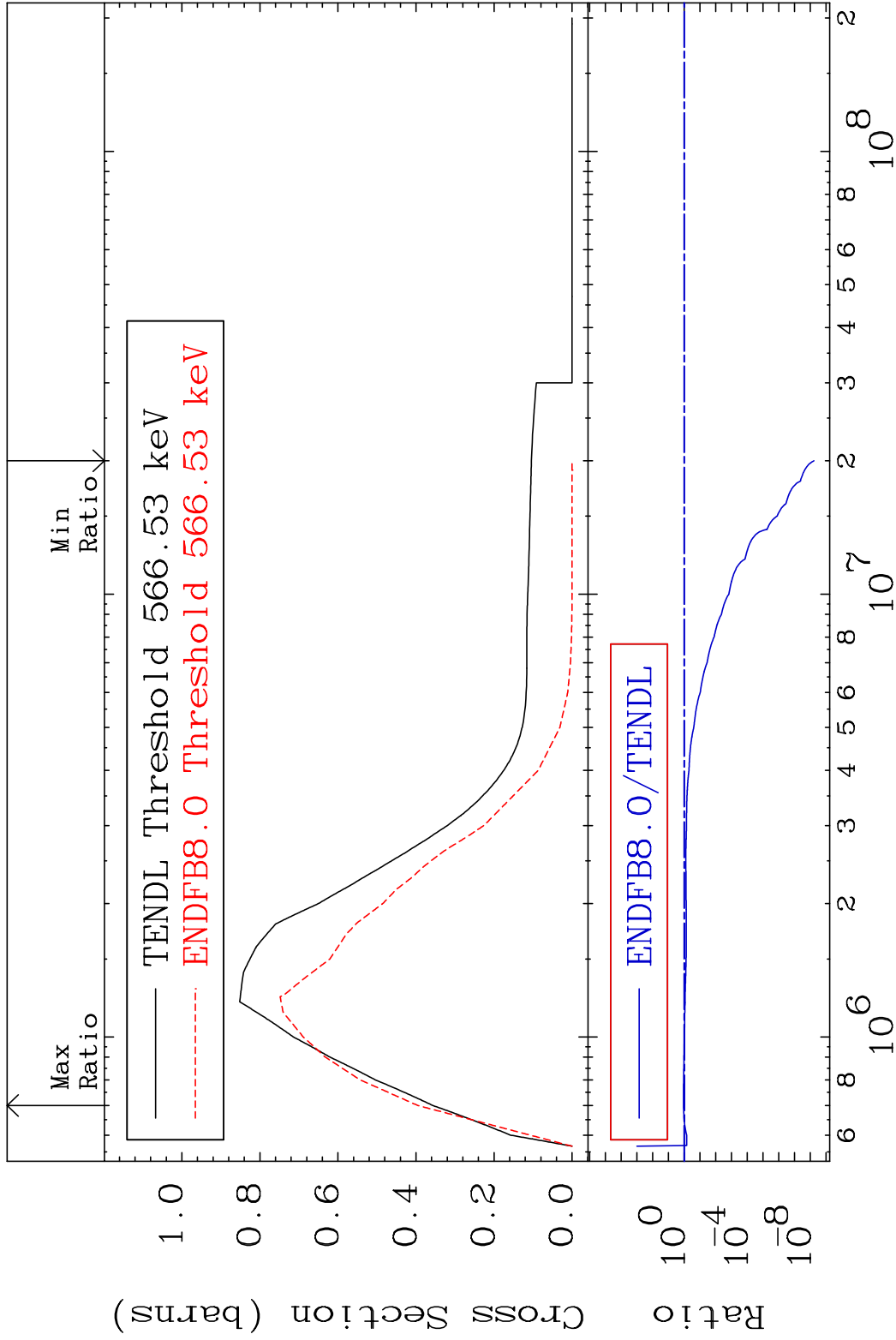
6 34-Se-76

MAT 3431 (n, n') p 34-Se-76  
 Cross Section -100.0 To 67.84 %



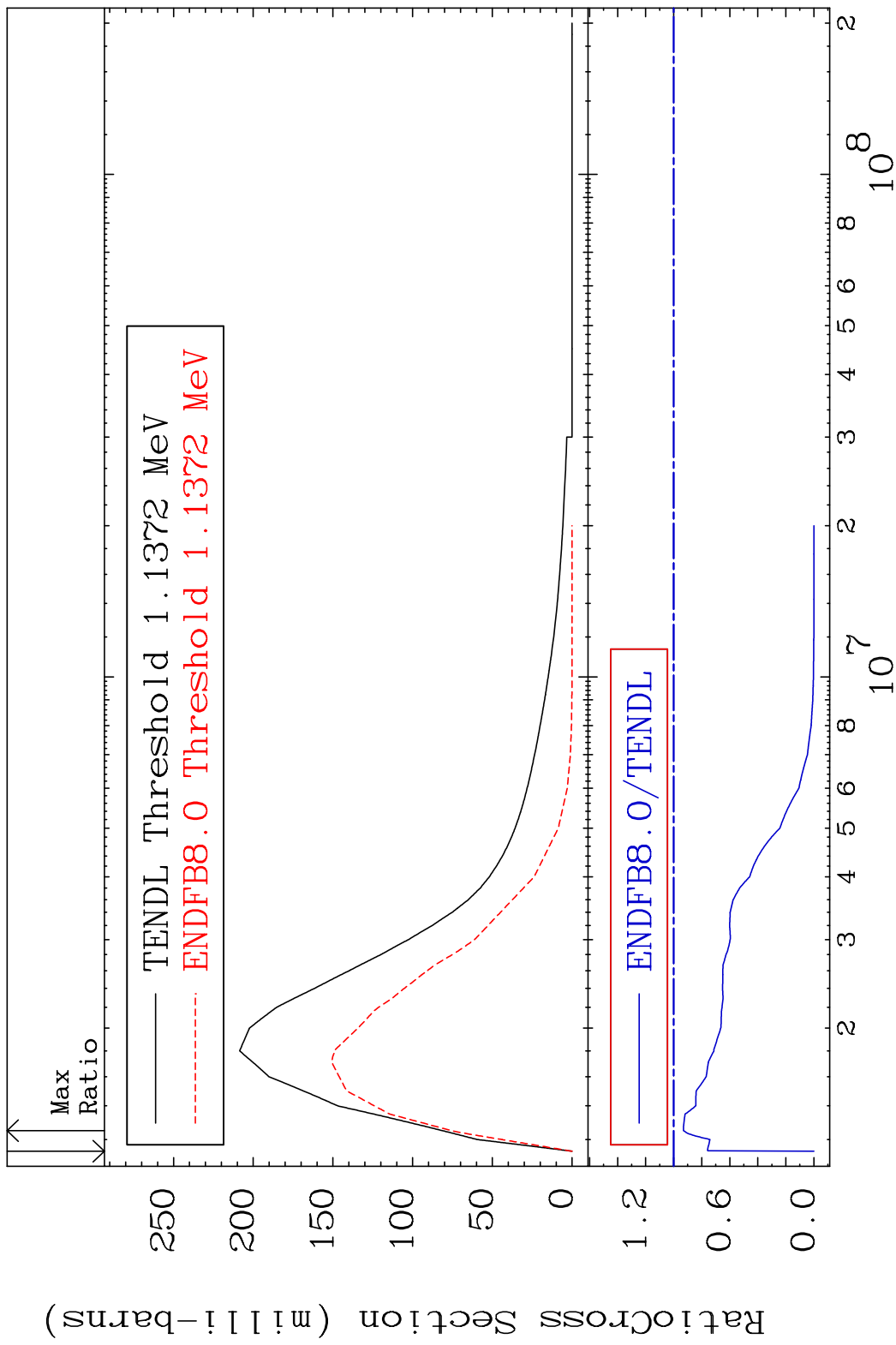
7 Incident Energy (eV) 34-Se-76

MAT 3431 MT= 51 (n, n') Level 34-Se-76  
 Cross Section -100.0 To 10.79 %

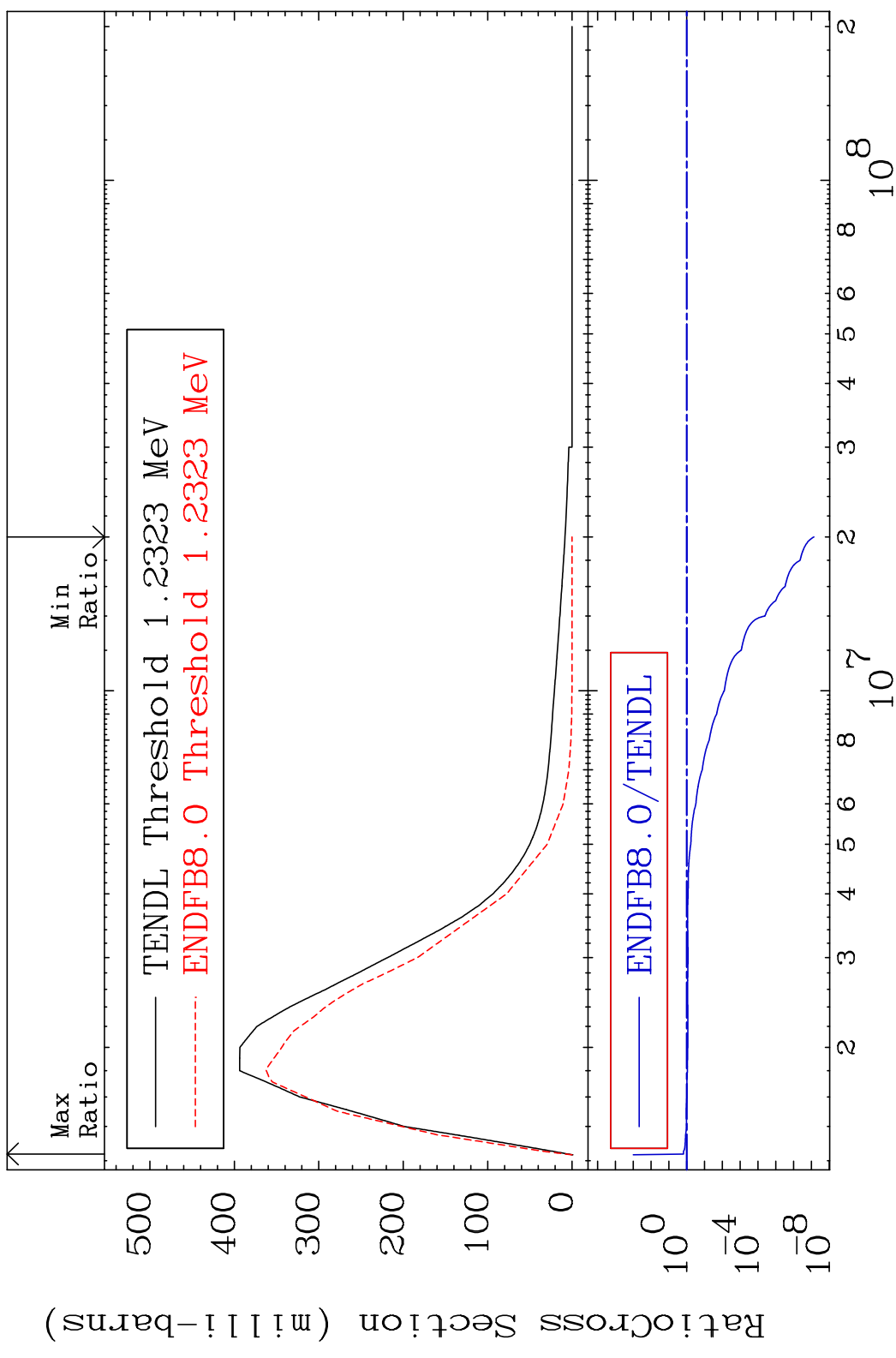


8 Incident Energy (eV) 34-Se-76

MAT 3431 MT= 52 (n, n') Level 34-Se-76  
 Cross Section -100.0 To -6.979%

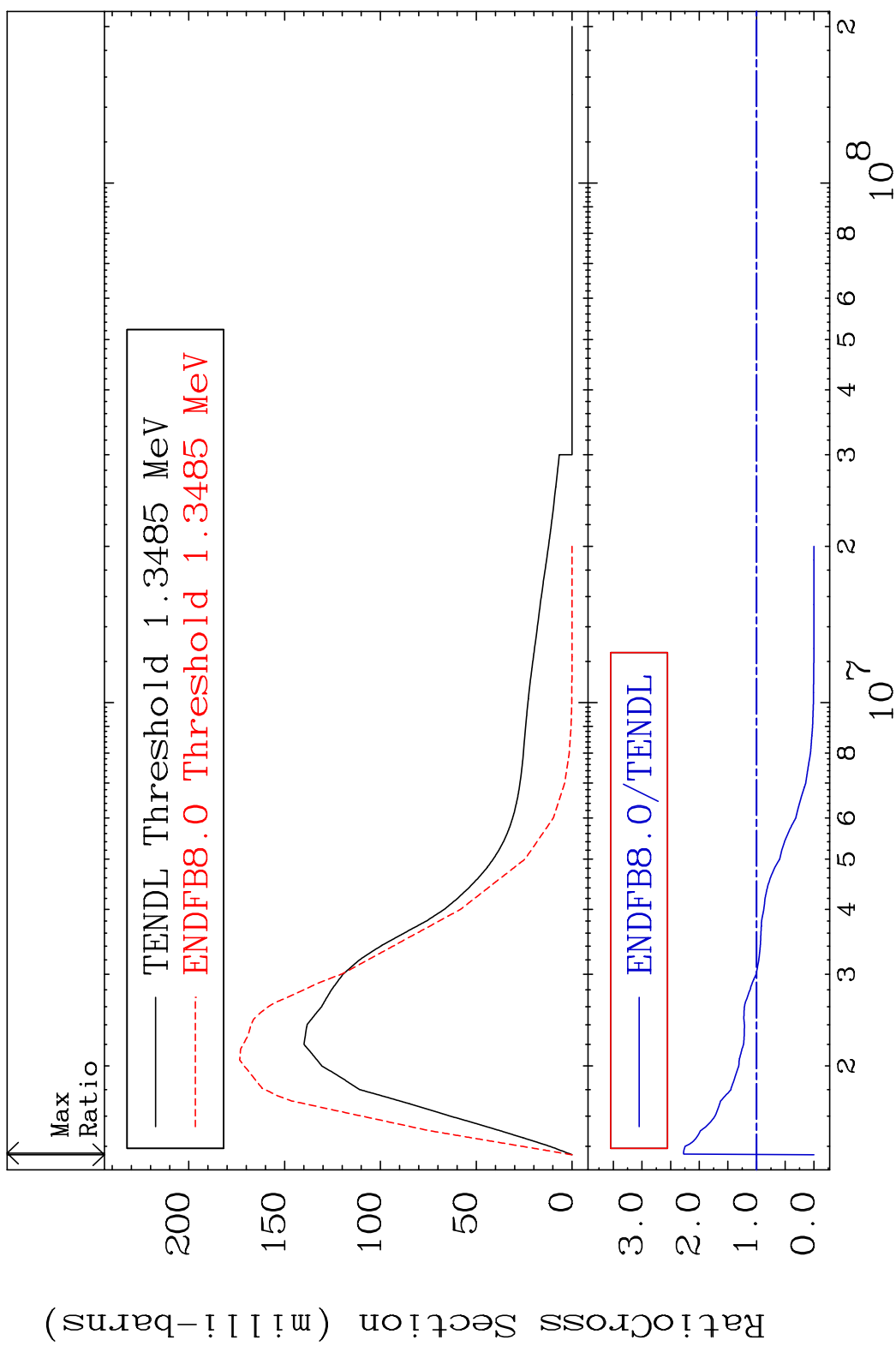


MAT 3431 MT= 53 (n, n') Level 34-Se-76  
 Cross Section -100.0 To 51.84 %

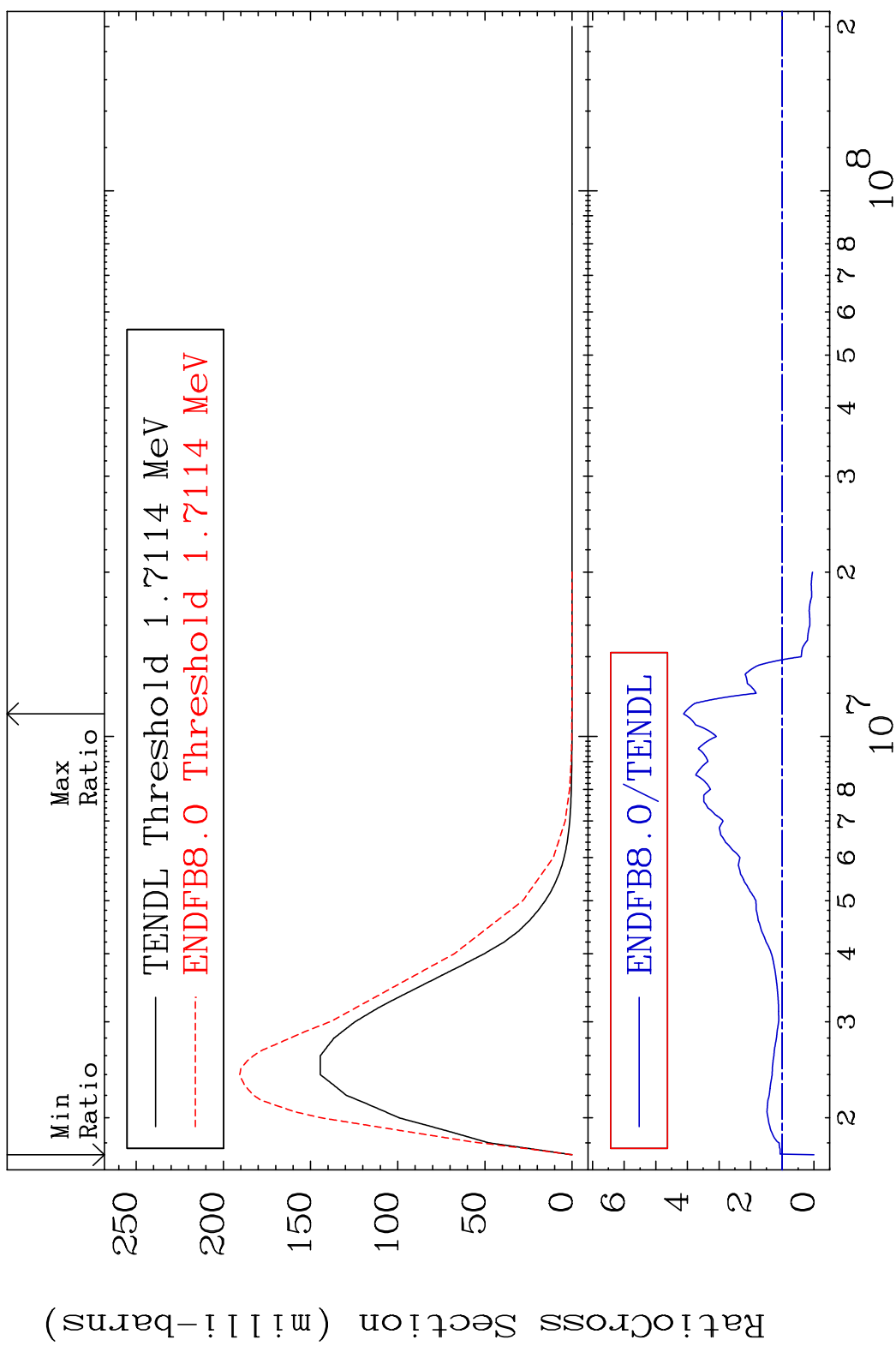


10 Incident Energy (eV) 34-Se-76

MAT 3431 MT= 54 (n, n') Level 34-Se-76  
 Cross Section -100.0 To 127.5 %

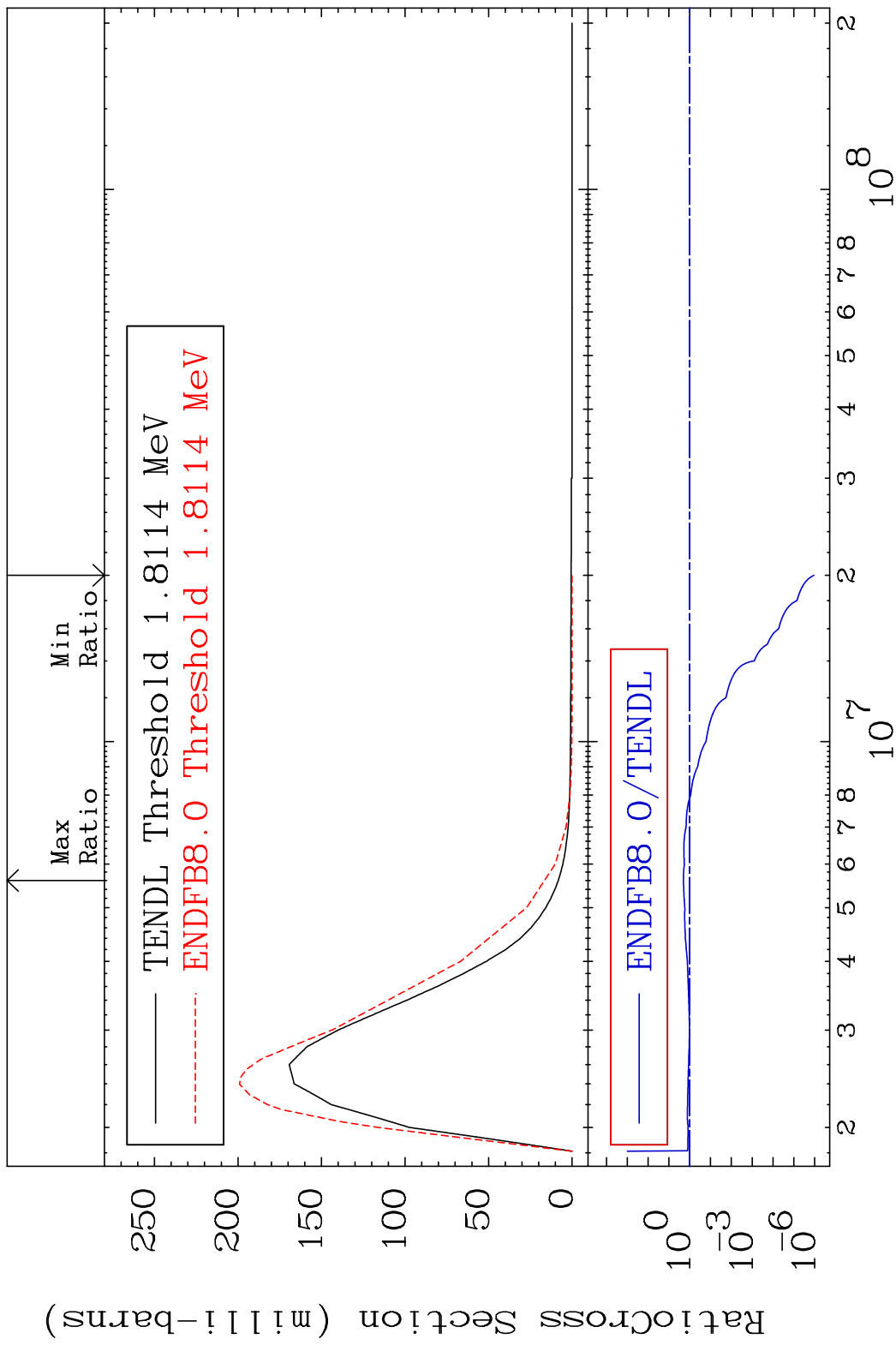


MAT 3431 MT= 55 (n, n') Level 34-Se-76  
 Cross Section -100.0 To 312.6 %



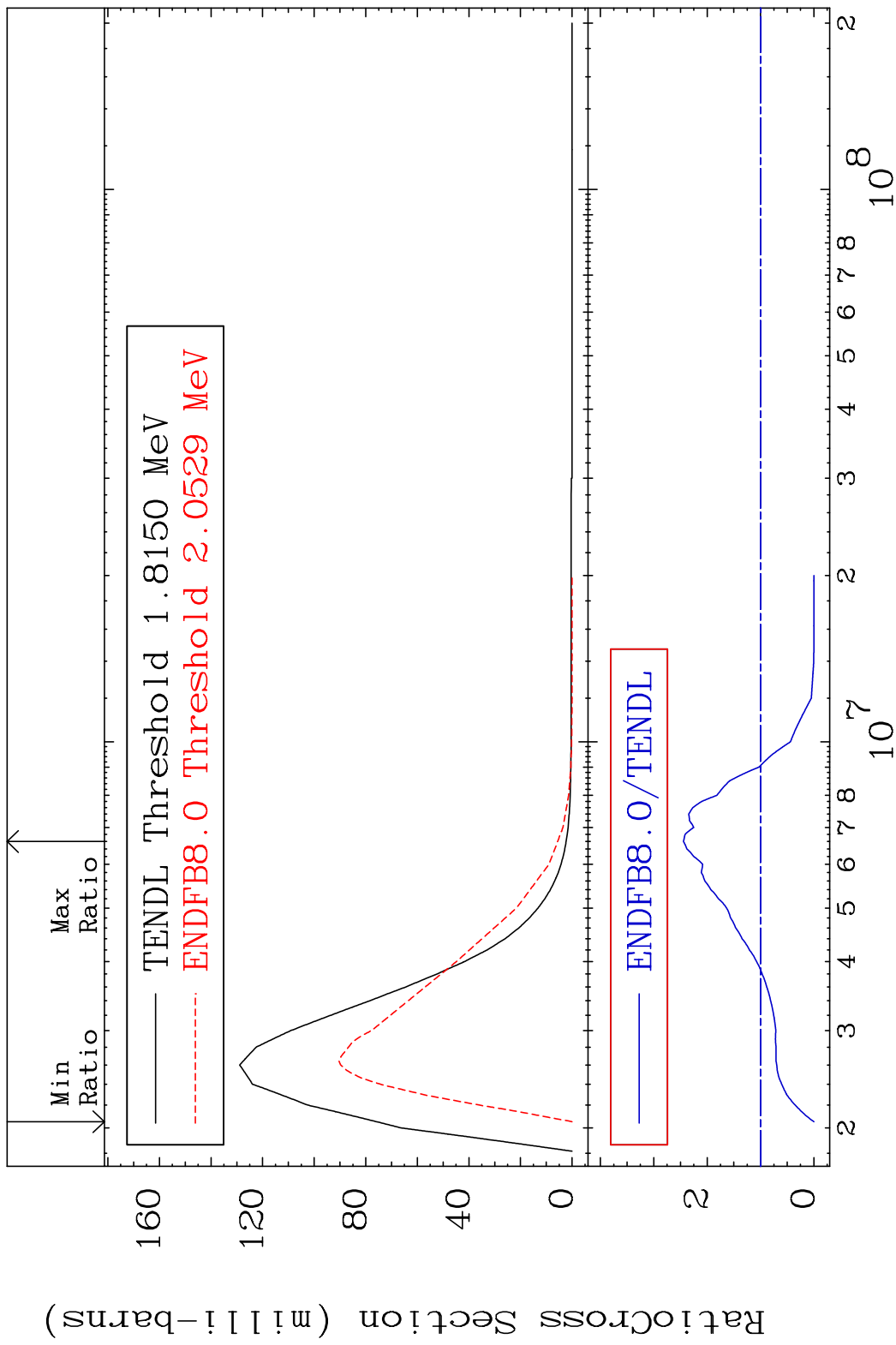
12 Incident Energy (eV) 34-Se-76

MAT 3431 MT= 56 (n, n') Level 34-Se-76  
 Cross Section -100.0 To 99.97 %



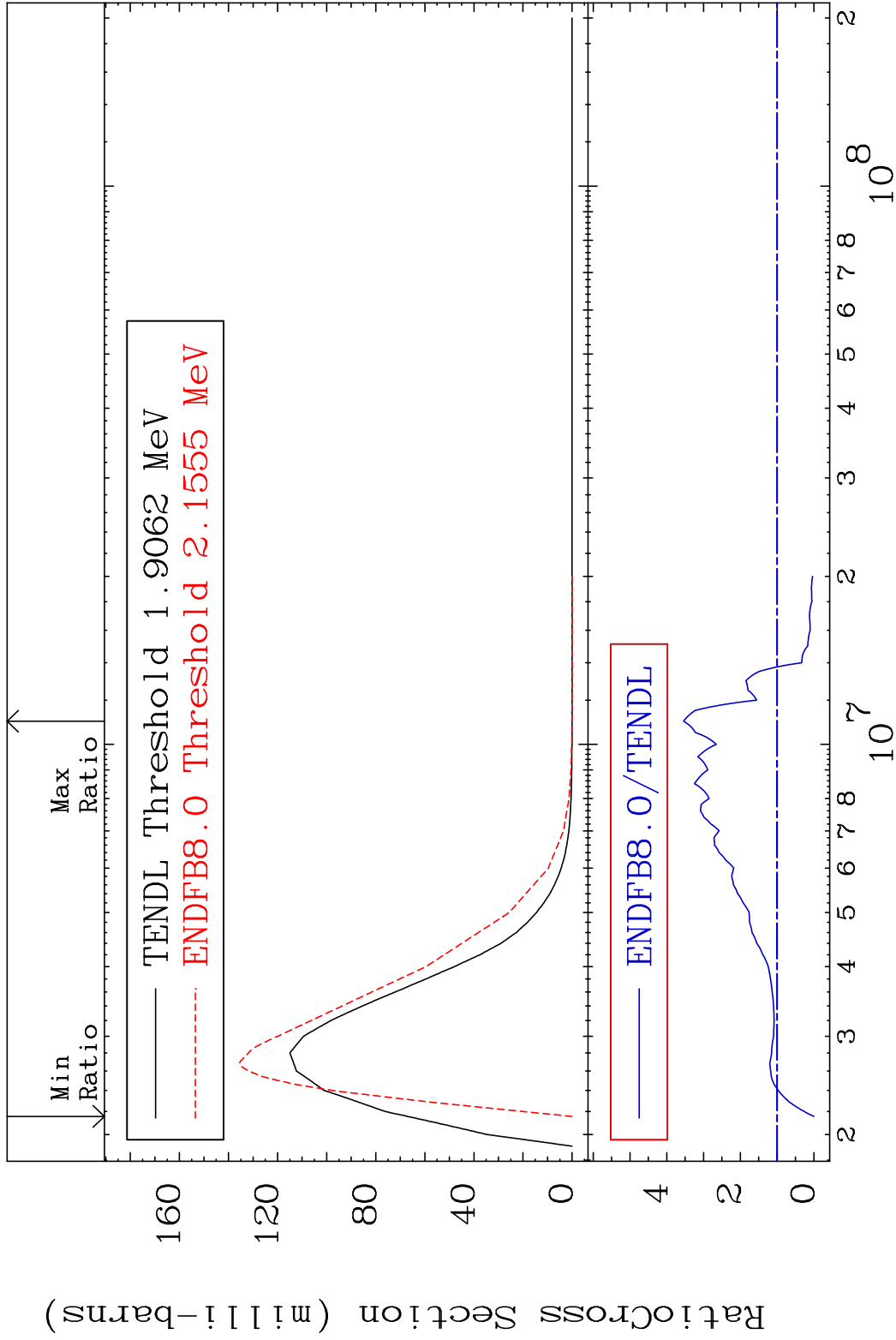
13 Incident Energy (eV) 34-Se-76

MAT 3431 MT= 57 (n, n') Level 34-Se-76  
 Cross Section -100.0 To 144.4 %



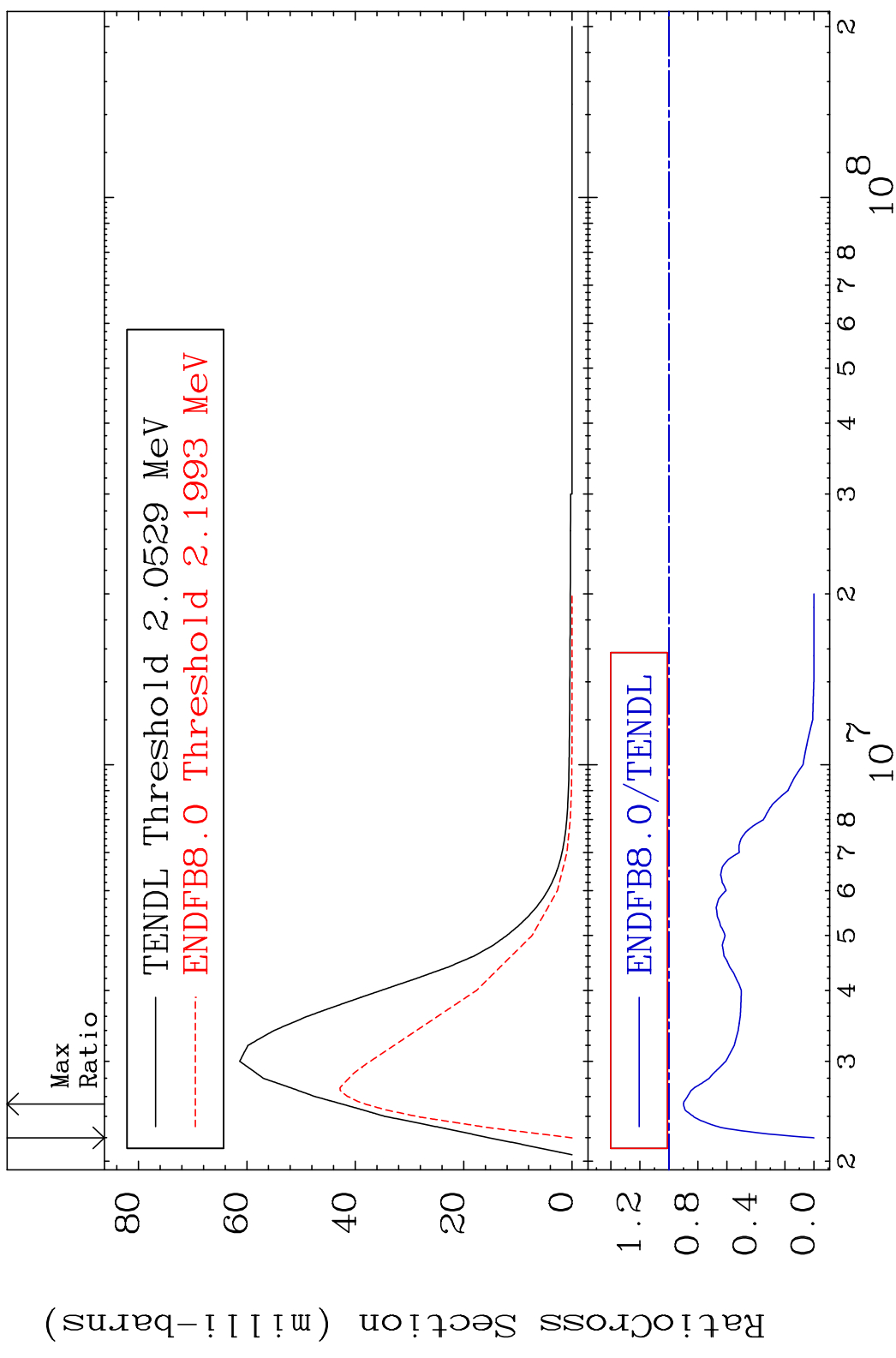
14 Incident Energy (eV) 34-Se-76

MAT 3431 MT= 58 (n, n') Level 34-Se-76  
 Cross Section -100.0 To 254.6 %



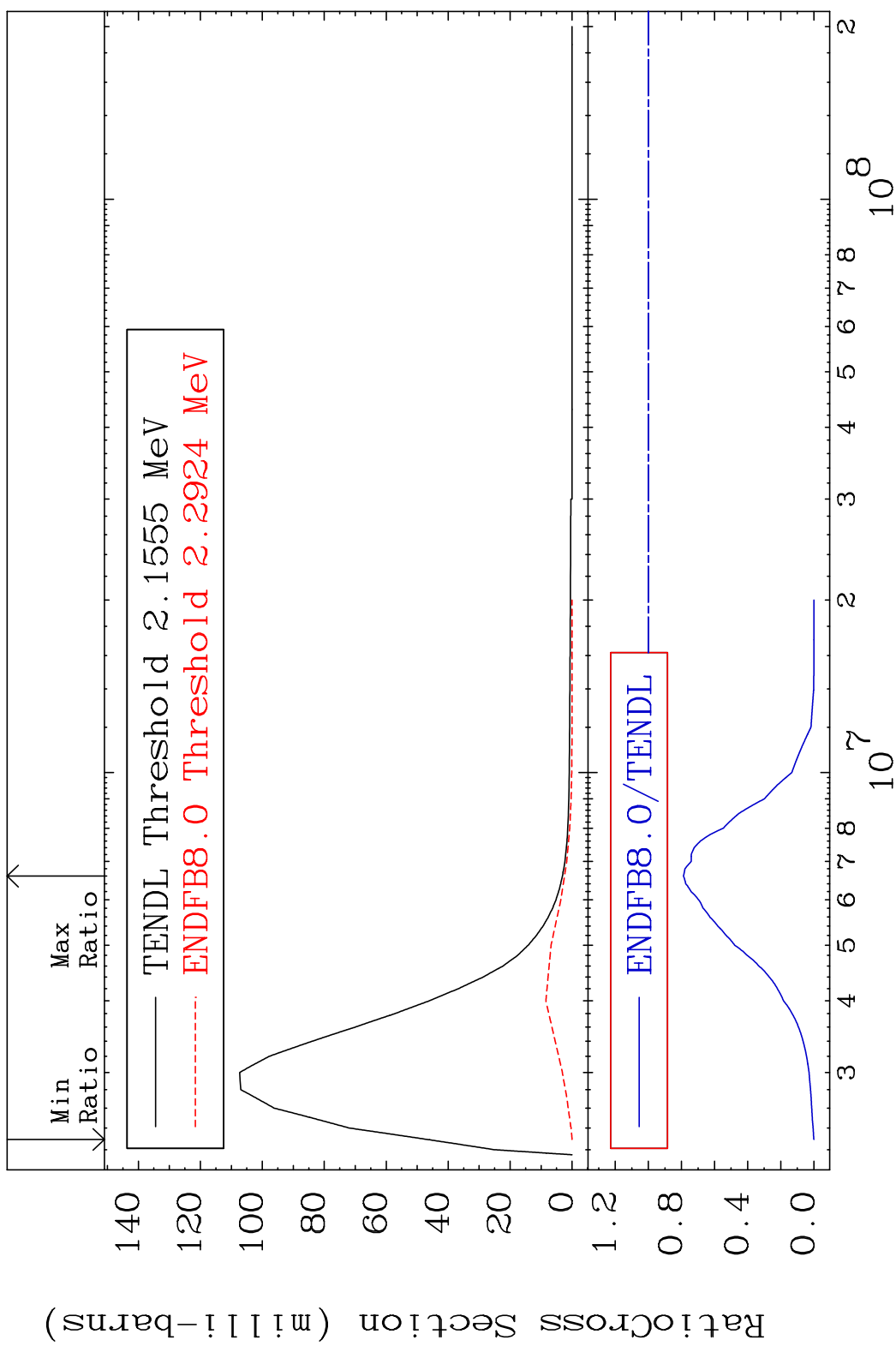
15 Incident Energy (eV) 34-Se-76

MAT 3431 MT= 59 (n, n') Level 34-Se-76  
 Cross Section -100.0 To -10.04%



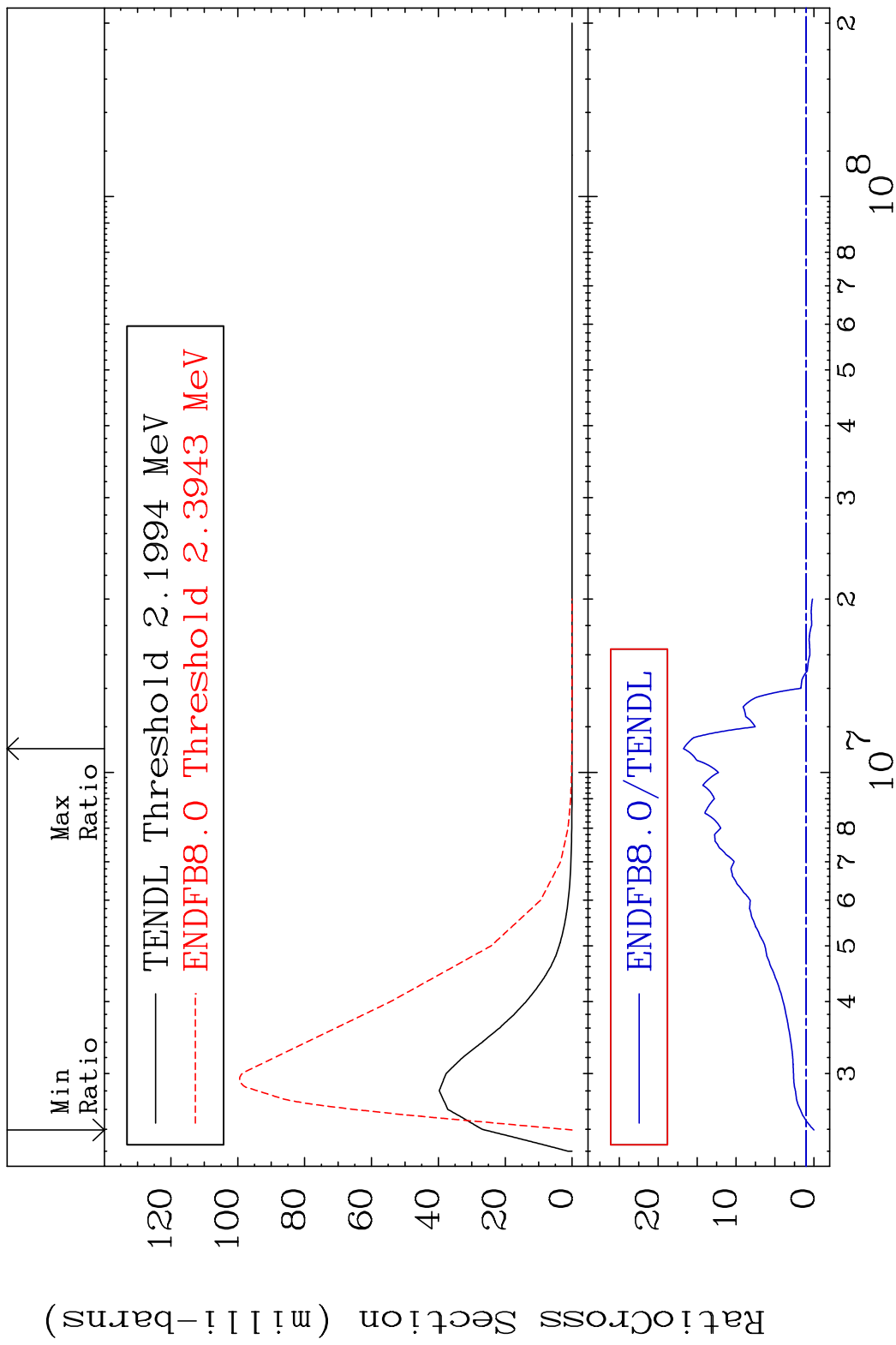
16 Incident Energy (eV) 34-Se-76

MAT 3431 MT= 60 (n, n') Level 34-Se-76  
 Cross Section -100.0 To -21.21%



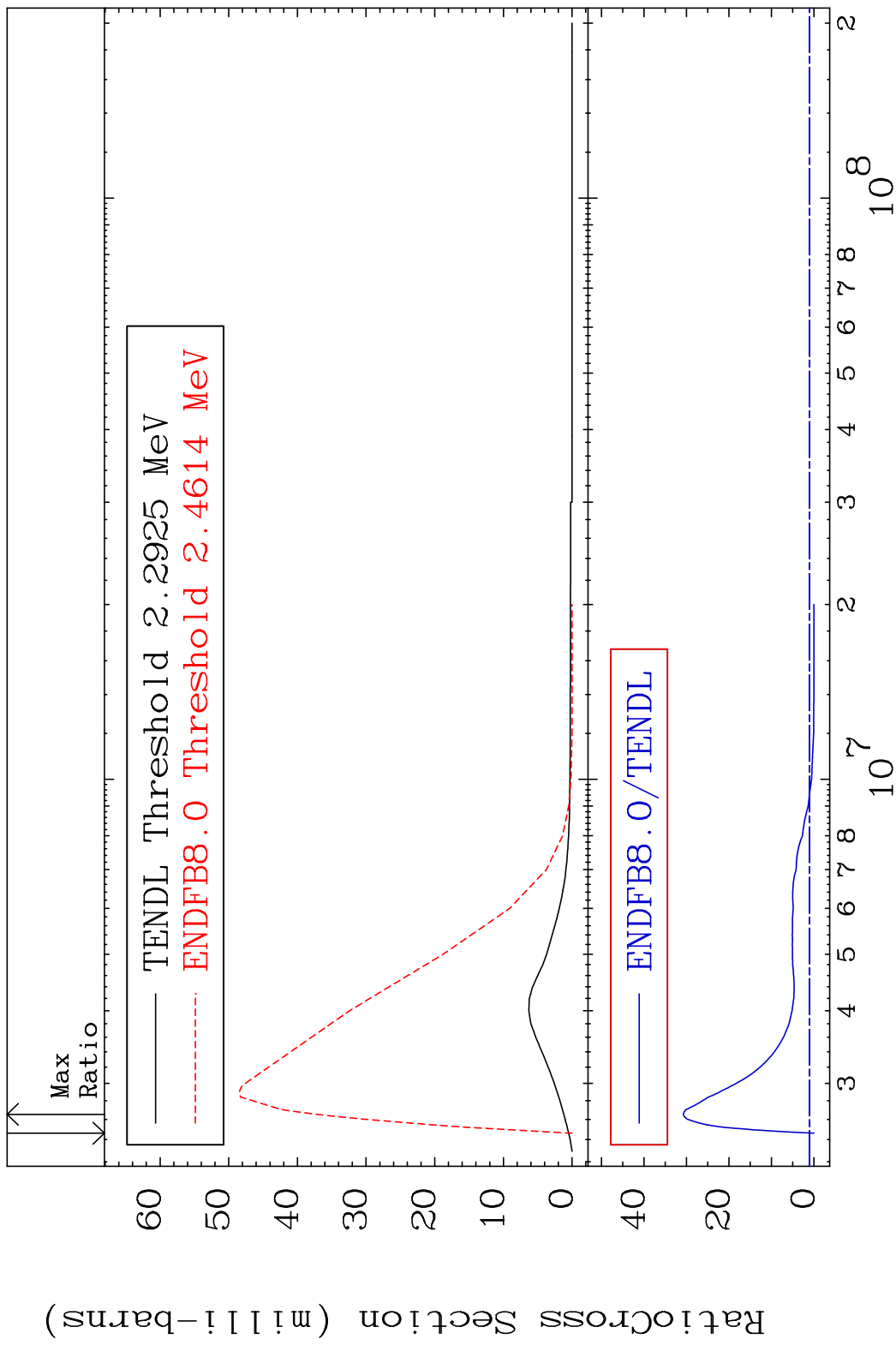
17 Incident Energy (eV) 34-Se-76

MAT 3431 MT= 61 (n, n') Level 34-Se-76  
 Cross Section -100.0 To 1576. %



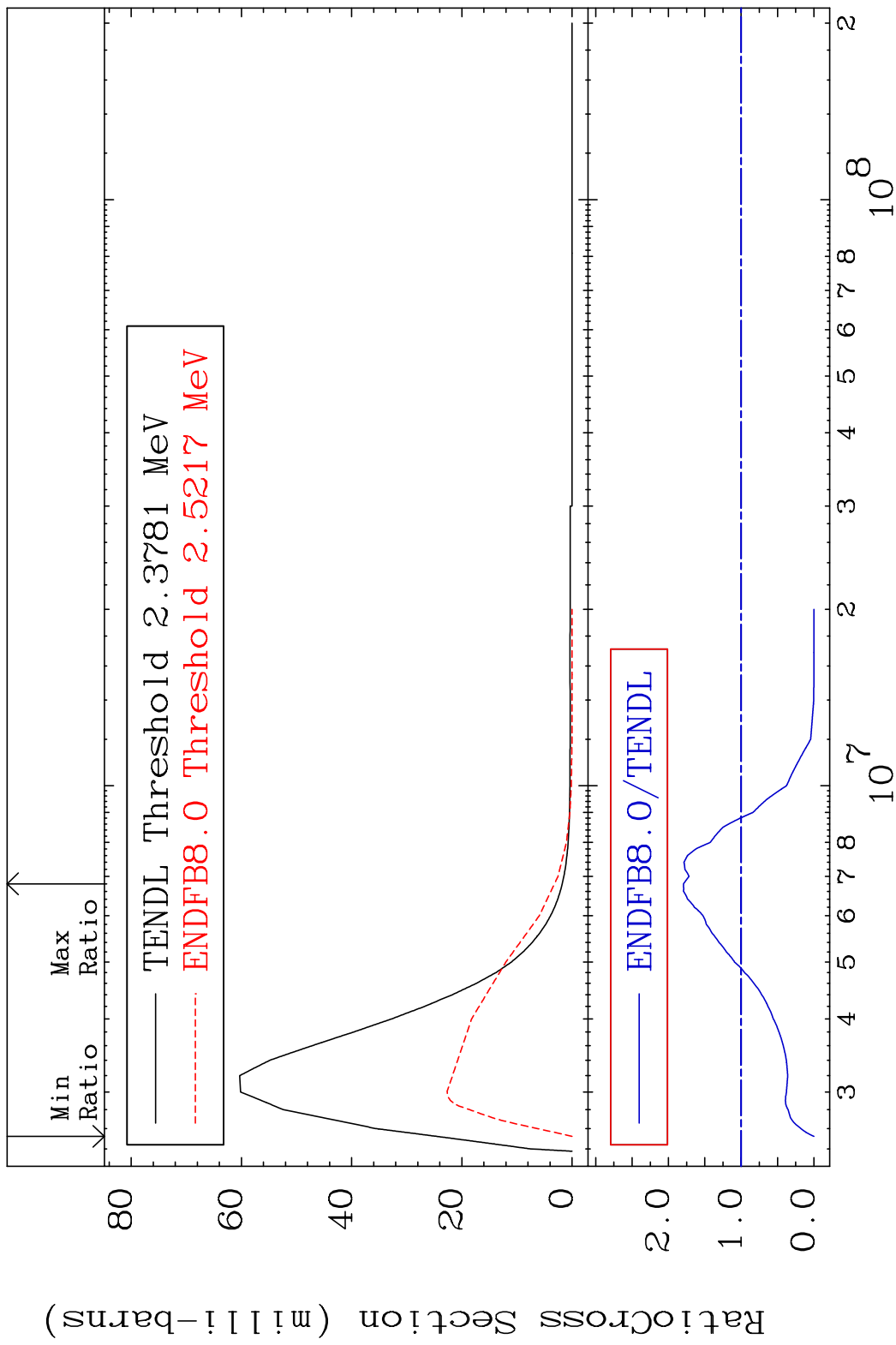
18 Incident Energy (eV) 34-Se-76

MAT 3431 MT= 62 (n, n') Level 34-Se-76  
 Cross Section -100.0 To 2971. %



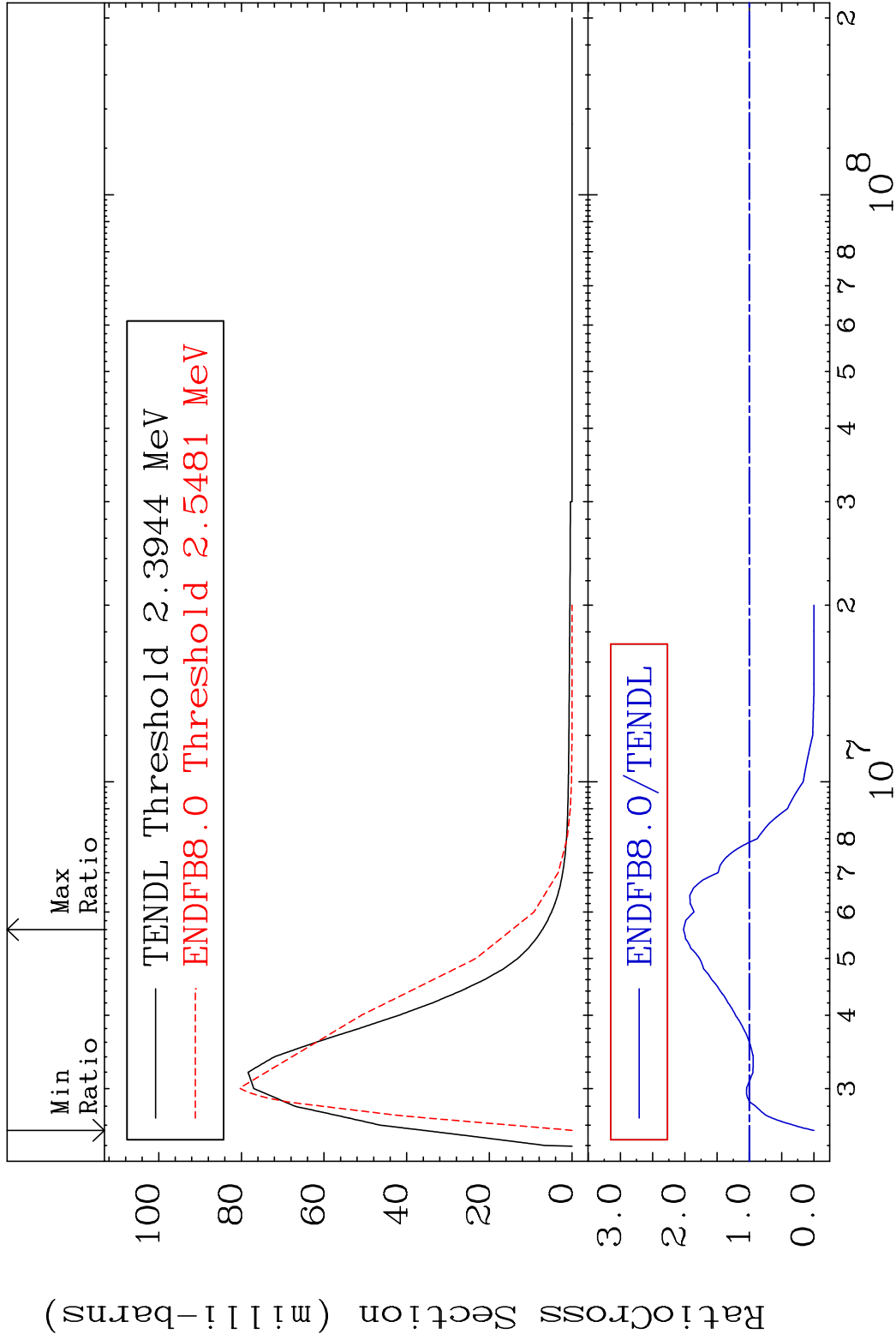
19 Incident Energy (eV) 34-Se-76

MAT 3431 MT= 63 (n, n') Level 34-Se-76  
 Cross Section -100.0 To 79.36 %



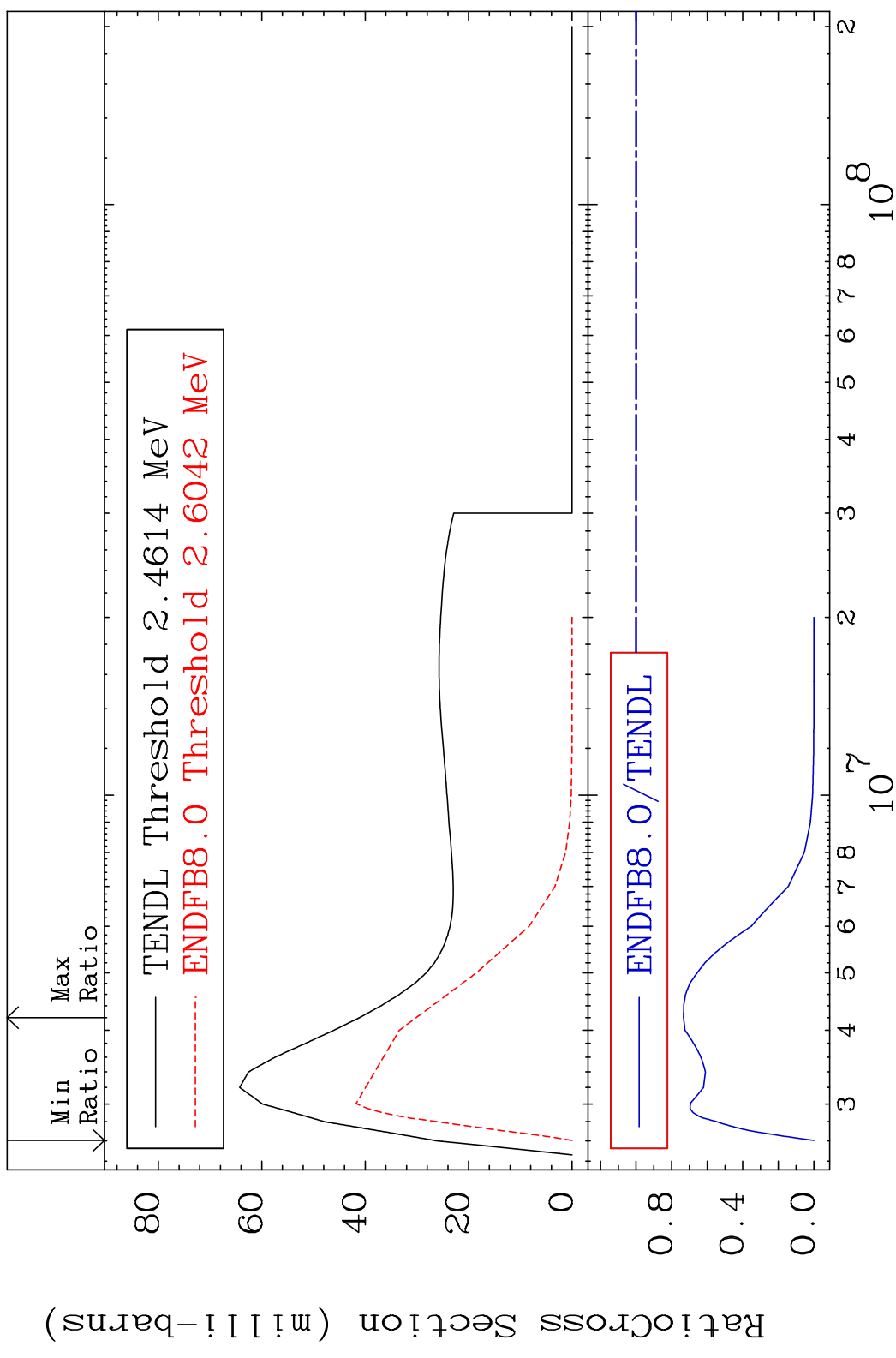
20 Incident Energy (eV) 34-Se-76

MAT 3431 MT= 64 (n, n') Level 34-Se-76  
 Cross Section -100.0 To 102.2 %

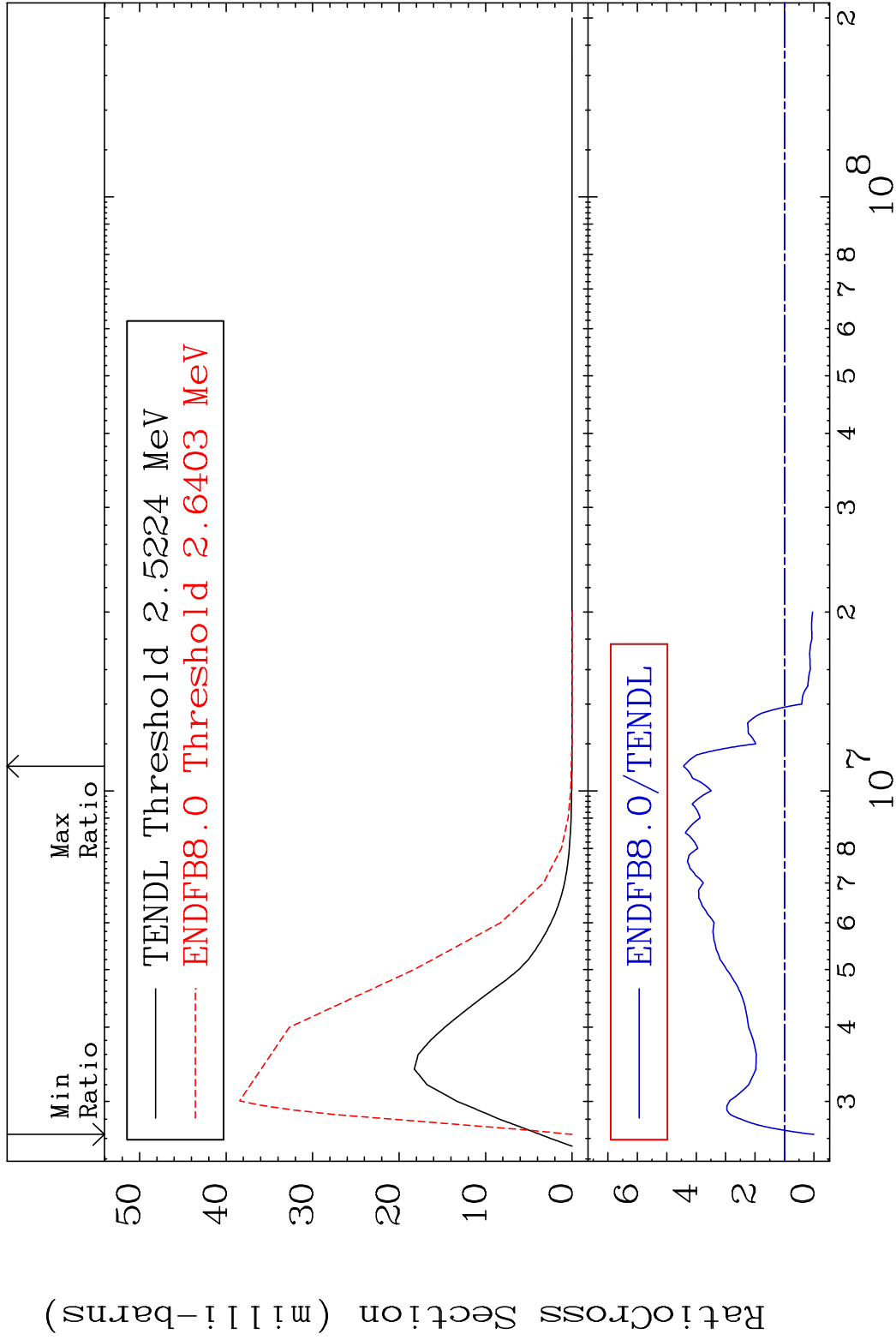


21 Incident Energy (eV) 34-Se-76

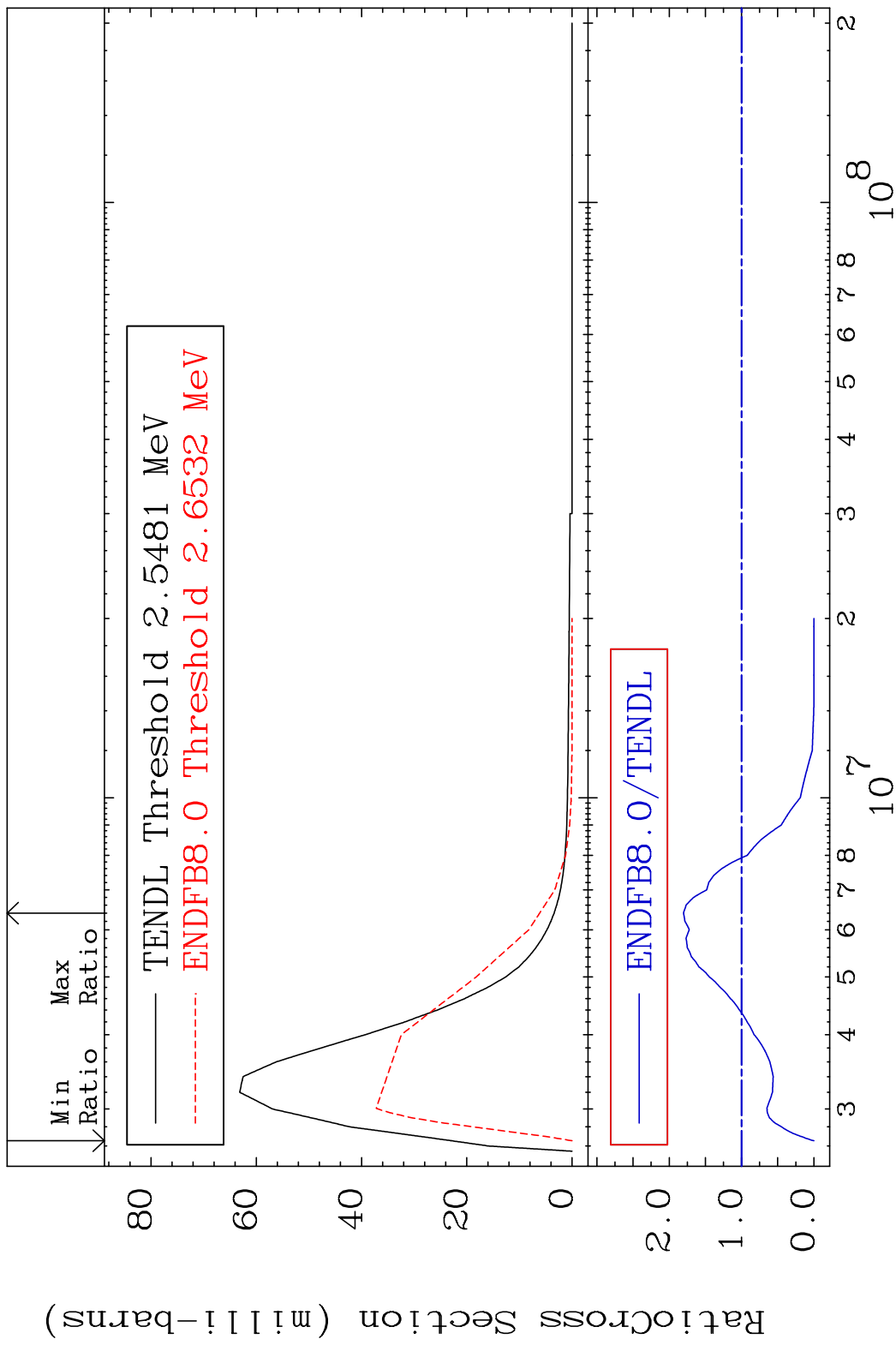
MAT 3431 MT= 65 (n, n') Level 34-Se-76  
 Cross Section -100.0 To -26.65%



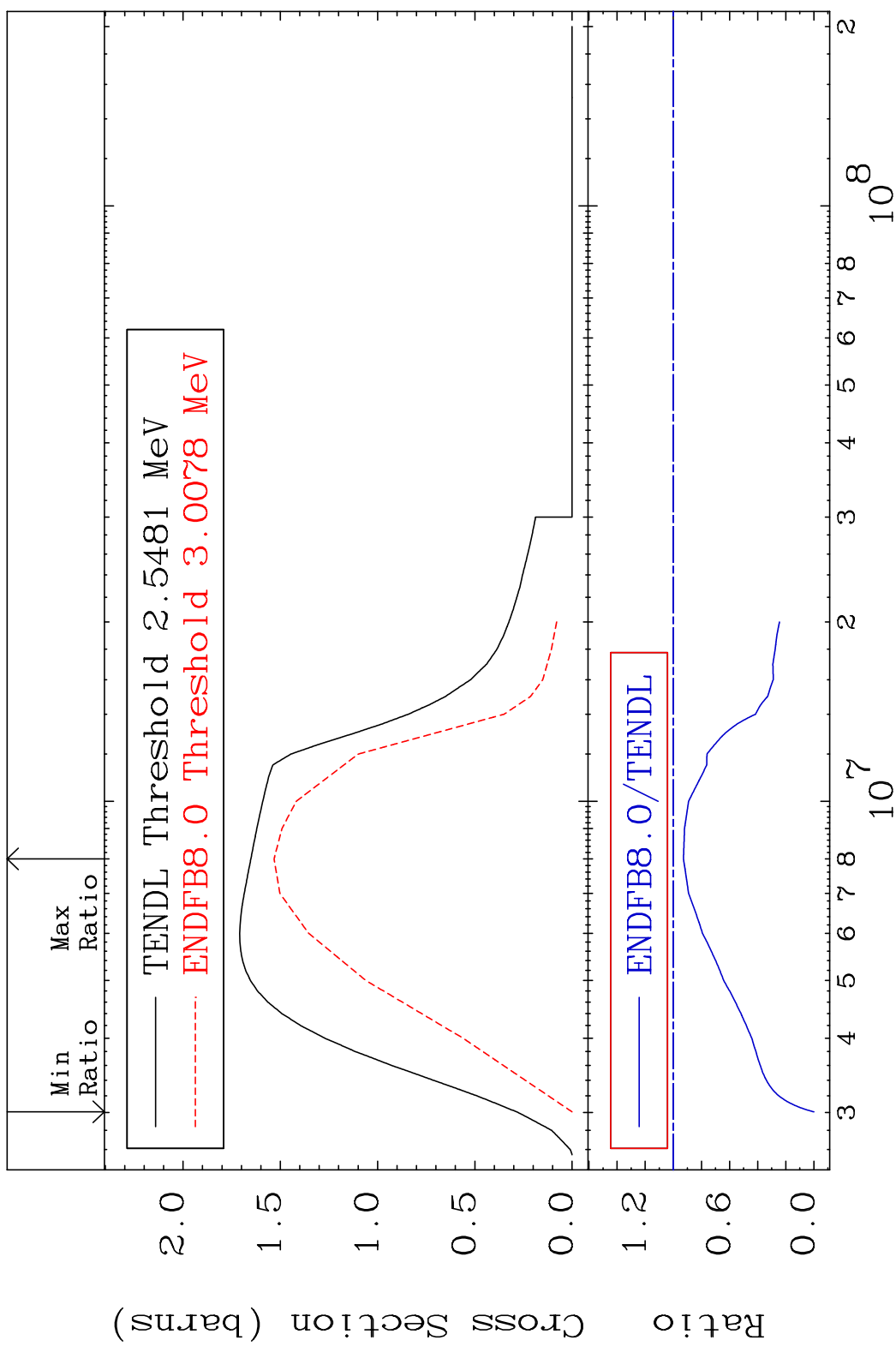
MAT 3431 MT= 66 (n, n') Level 34-Se-76  
 Cross Section -100.0 To 343.3 %



MAT 3431 MT= 67 (n, n') Level 34-Se-76  
 Cross Section -100.0 To 80.32 %



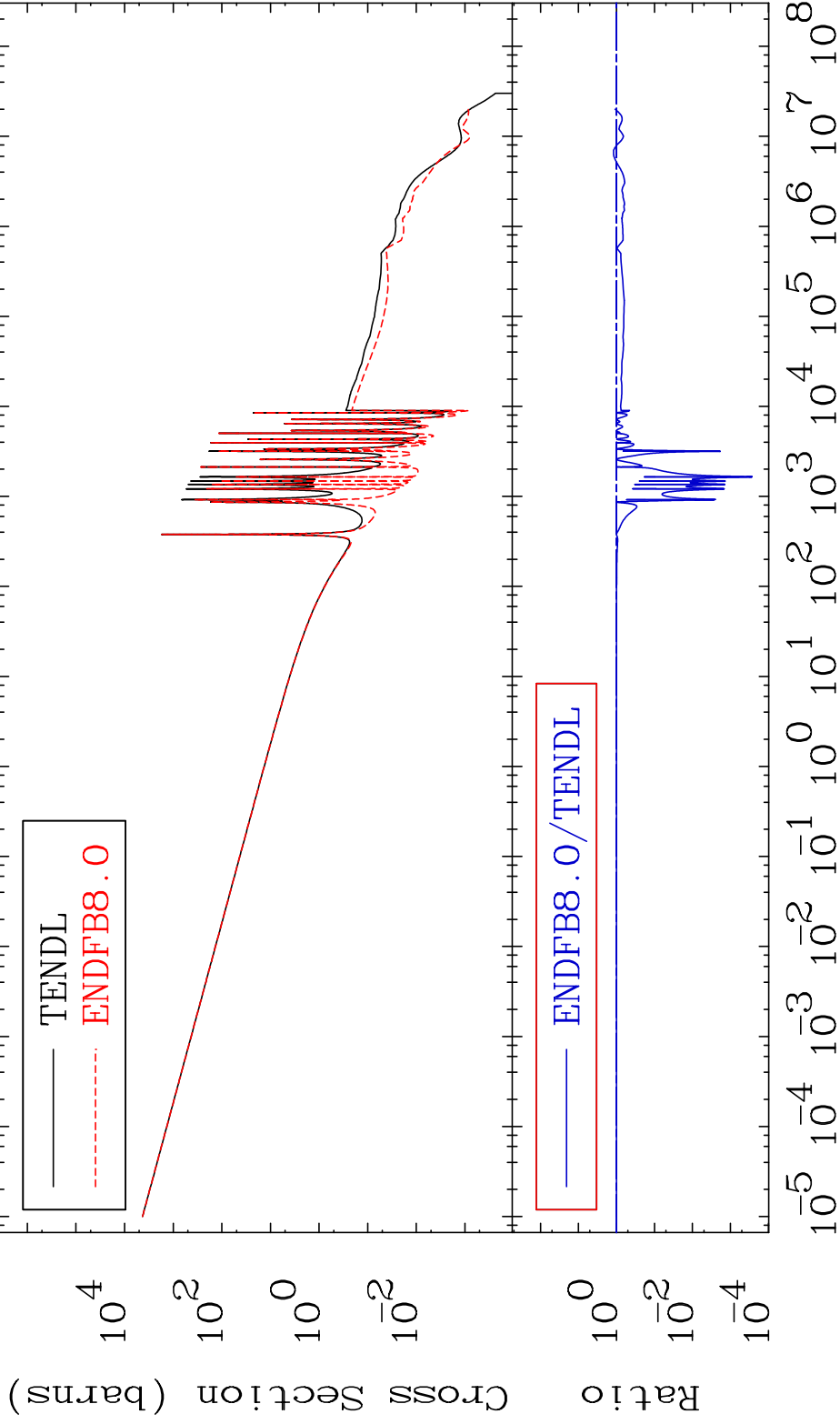
MAT 3431 (n, n') Continuum 34-Se-76  
 Cross Section -100.0 To -7.215%



MAT 3431

(n,  $\gamma$ )

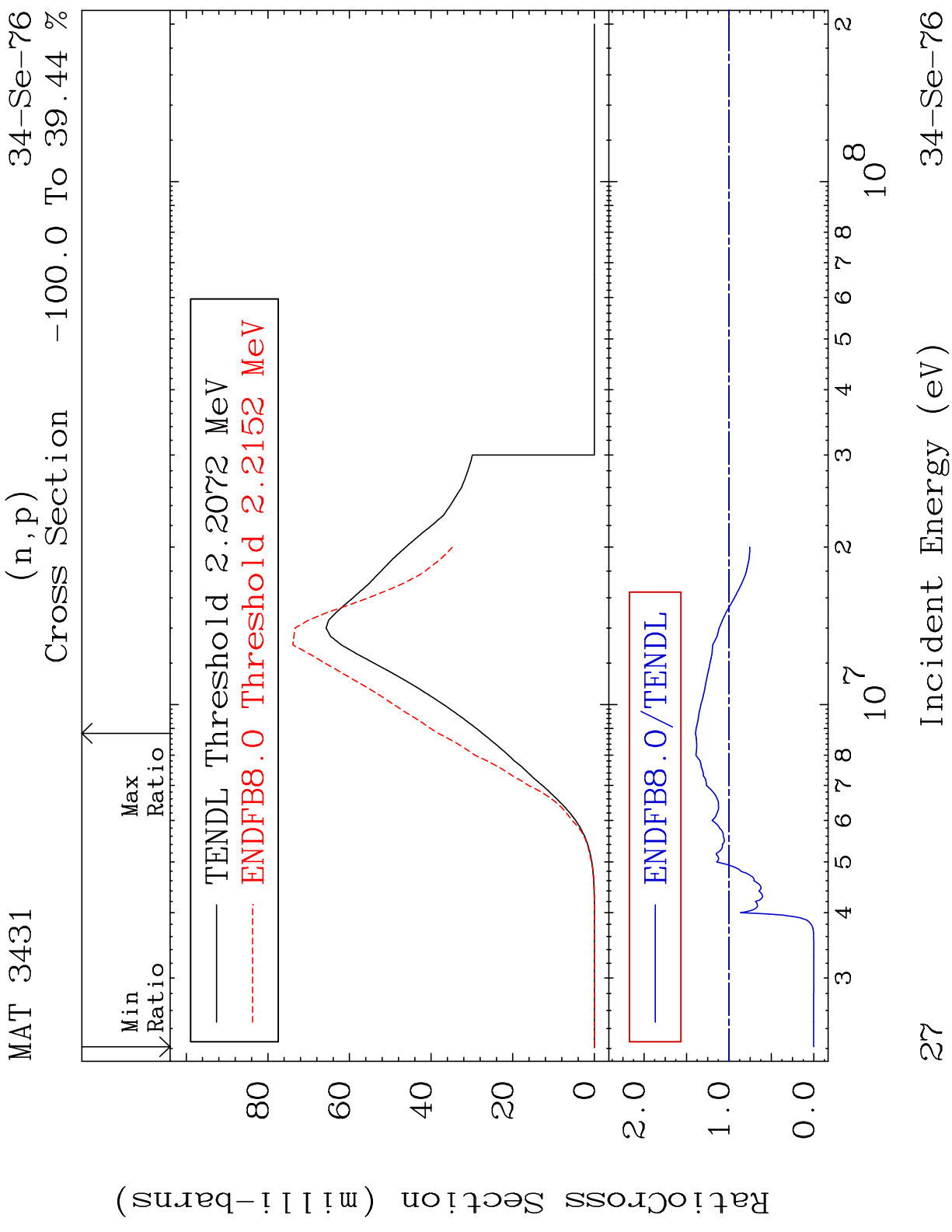
Cross Section -99.97 To 19.56 %  
34-Se-76



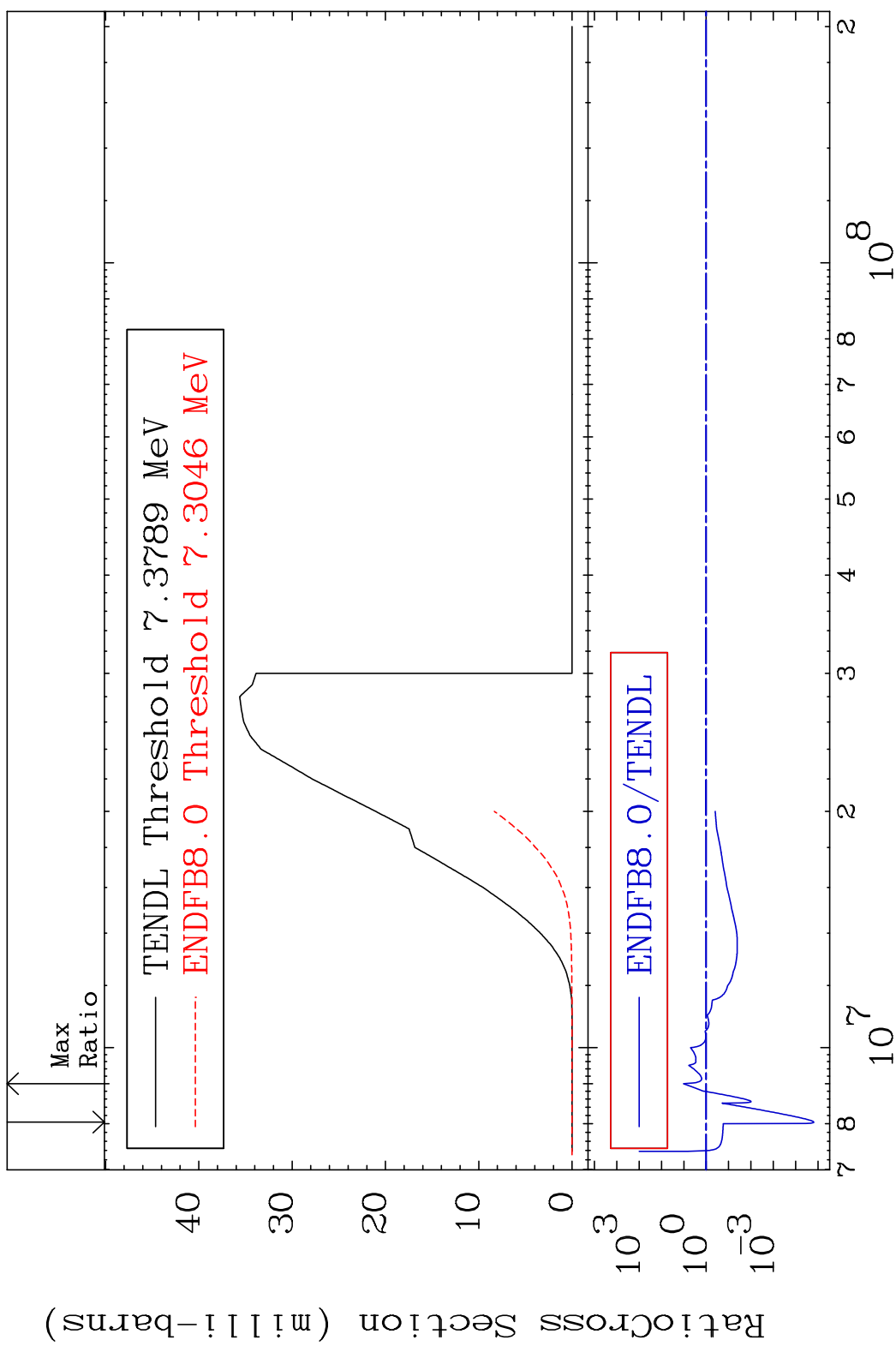
26

Incident Energy (eV)

34-Se-76



MAT 3431 (n, d) 34-Se-76  
 Cross Section -100.0 To 942.7 %



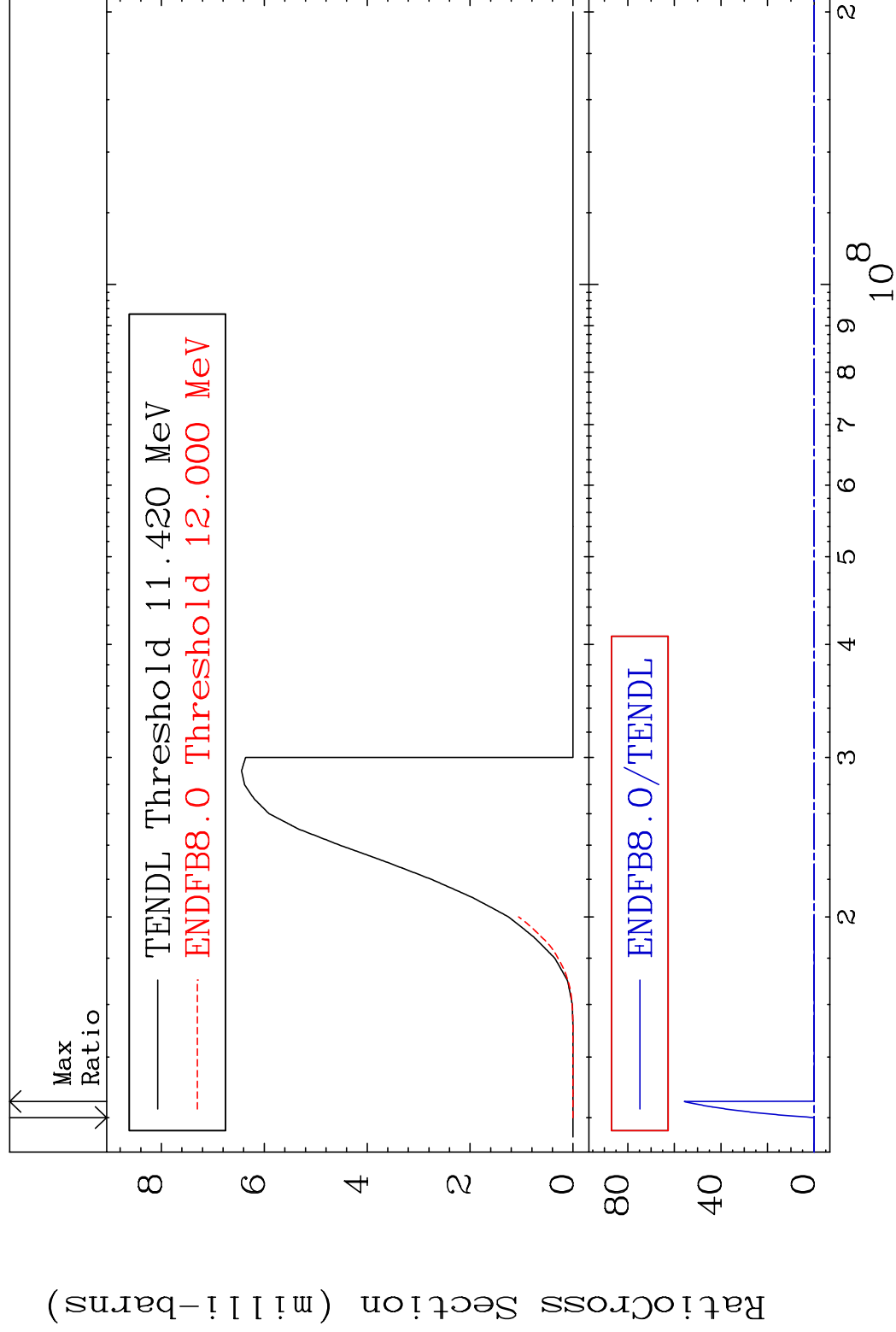
28 Incident Energy (eV) 34-Se-76

MAT 3431

(n, t)

<sup>34</sup>Se-76

Cross Section -100.0 To 9999. %

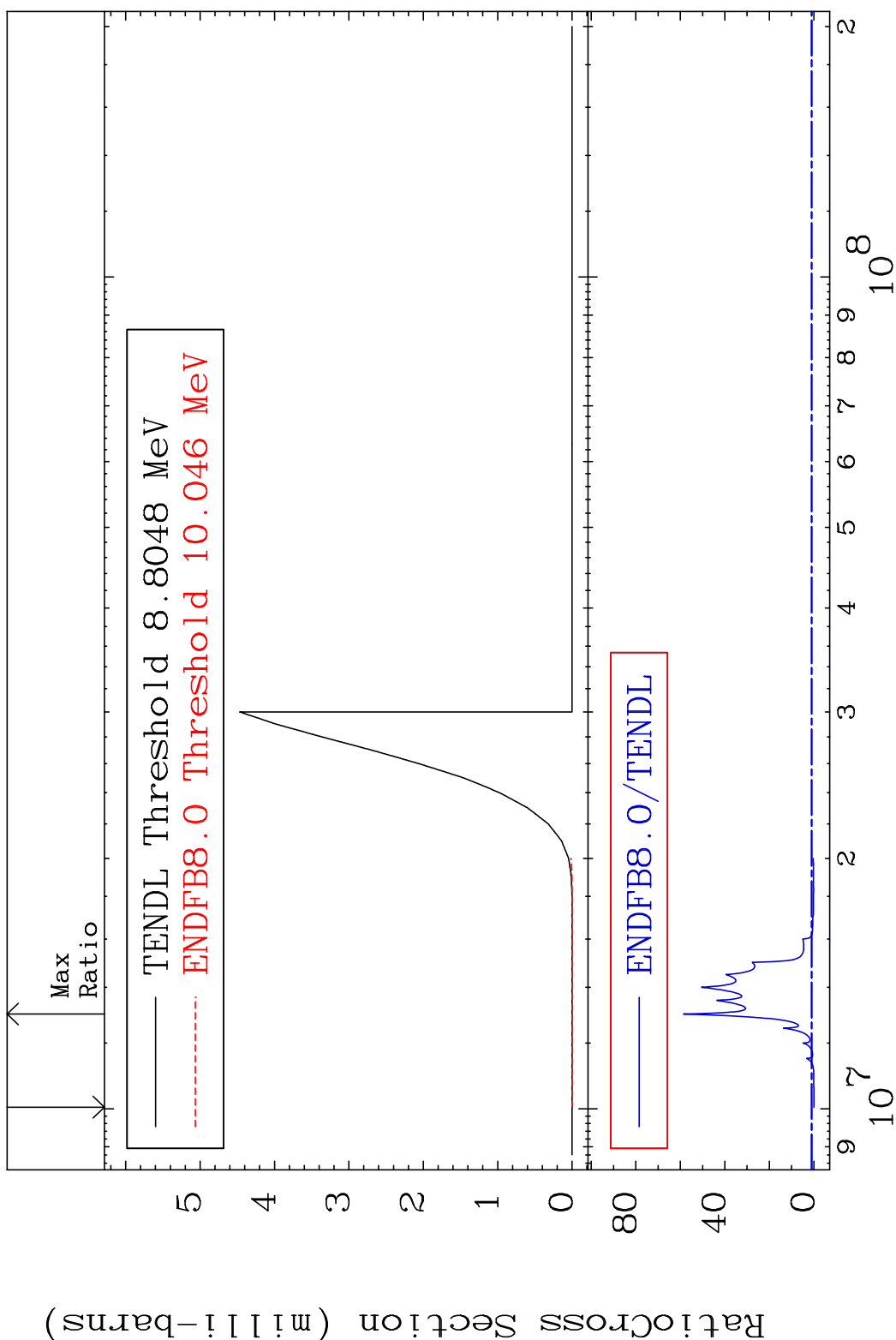


29

Incident Energy (eV)

<sup>34</sup>Se-76

MAT 3431 (n, He-3) 34-Se-76  
 Cross Section -100.0 To 5760. %



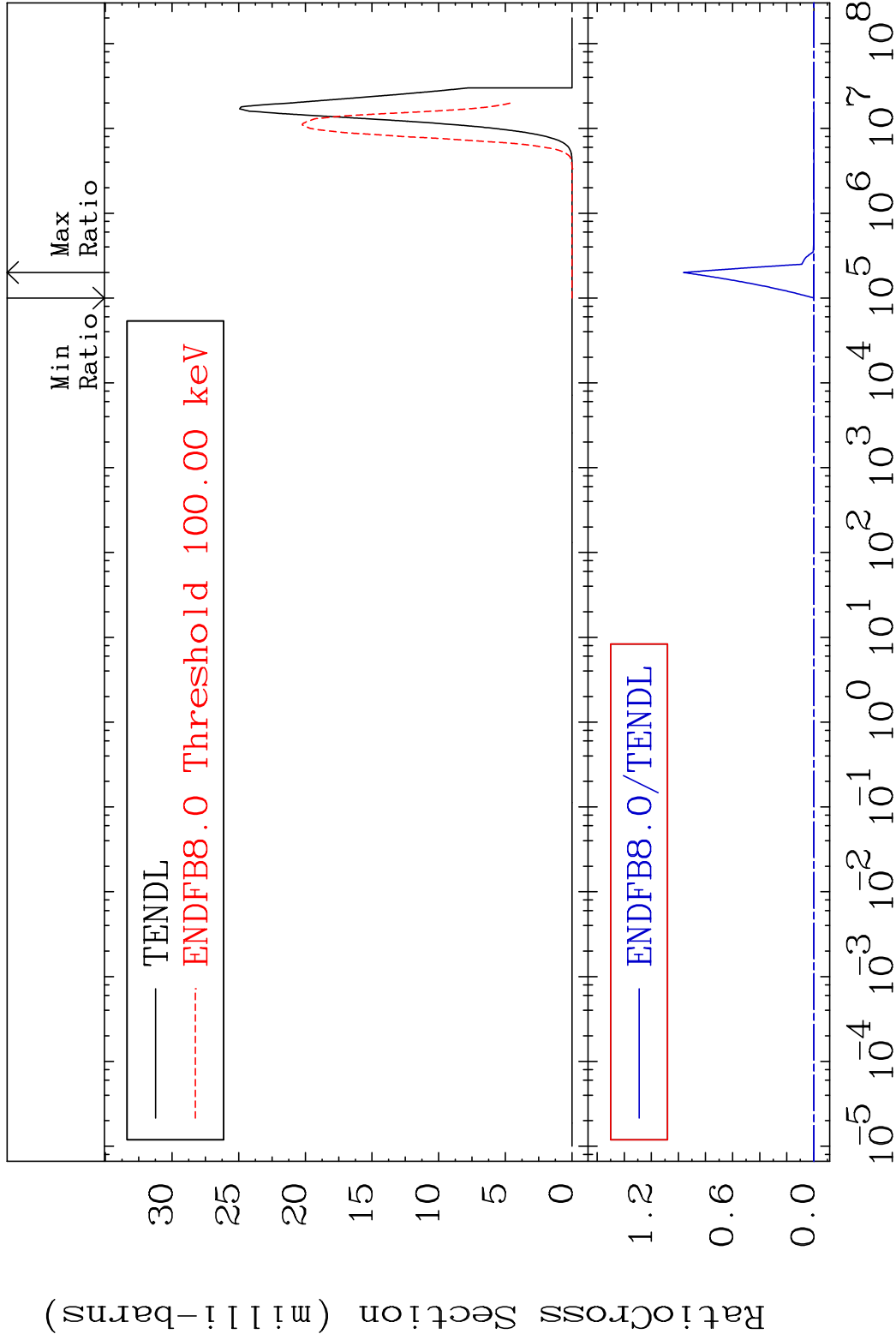
30 34-Se-76

MAT 3431

(n,  $\alpha$ )

<sup>34</sup>Se-76

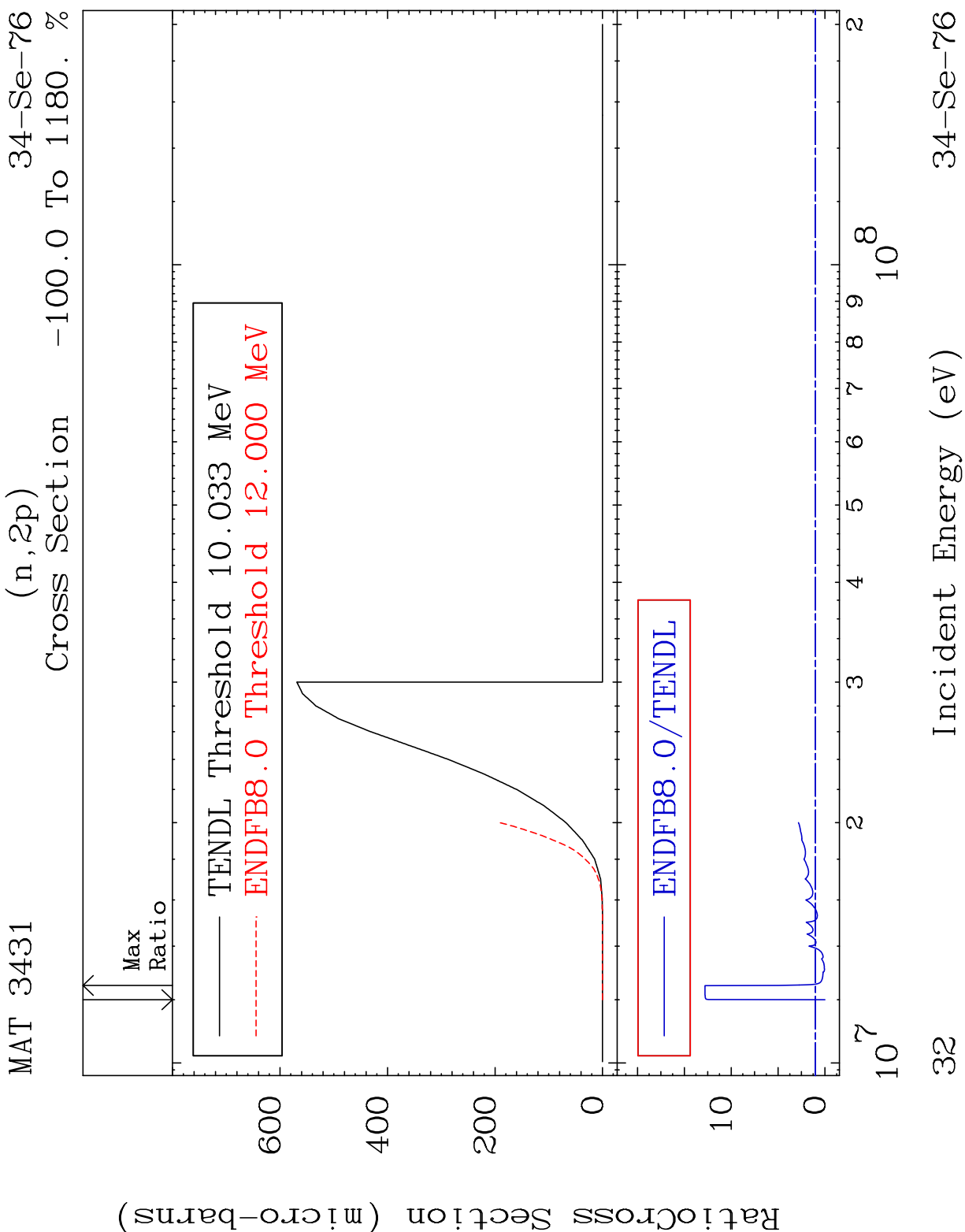
Cross Section -100.0 To 9999. %



31

Incident Energy (eV)

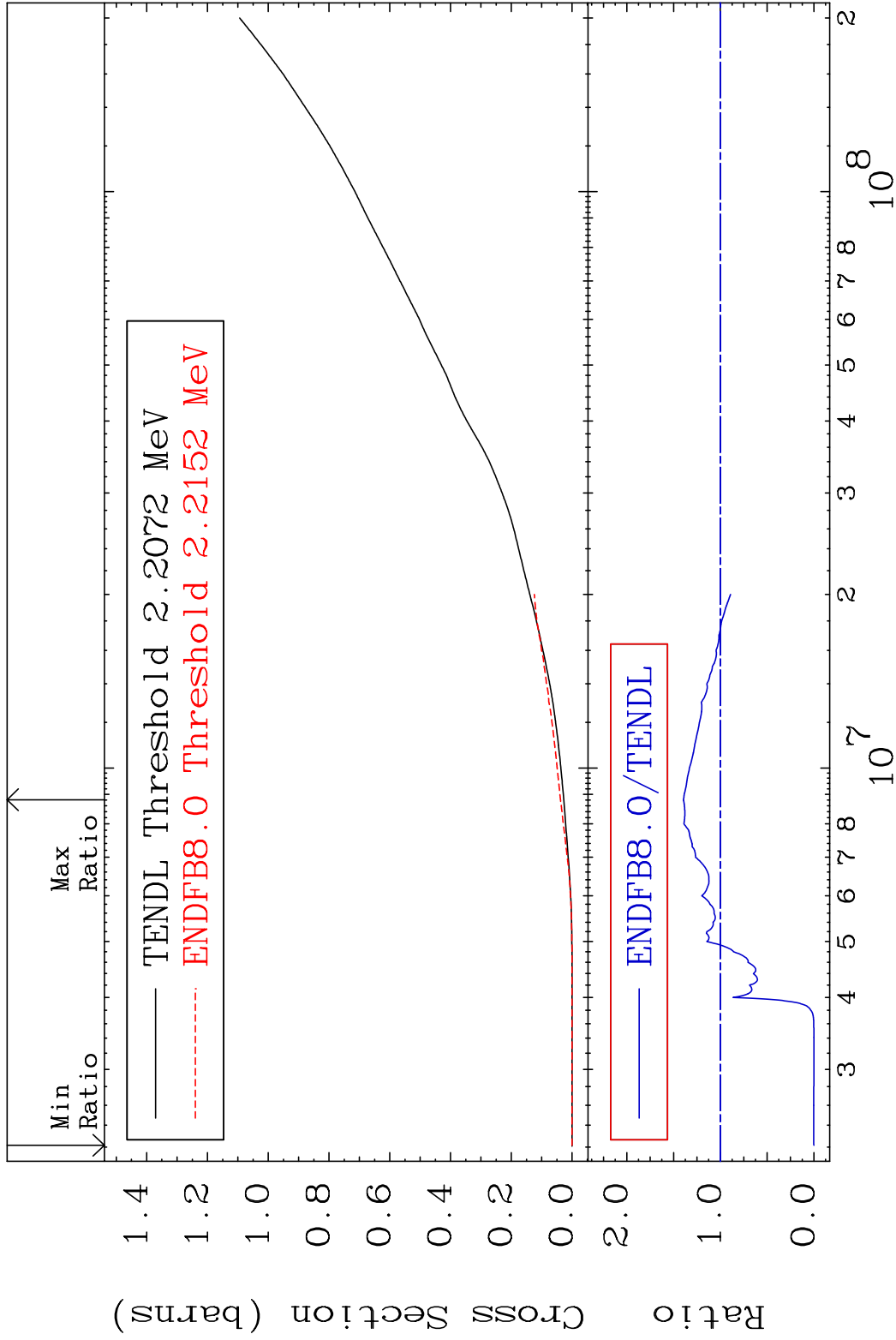
<sup>34</sup>Se-76



MAT 3431

Hydrogen Production  
Cross Section -100.0 To 39.44 %

<sup>34</sup>Se-76

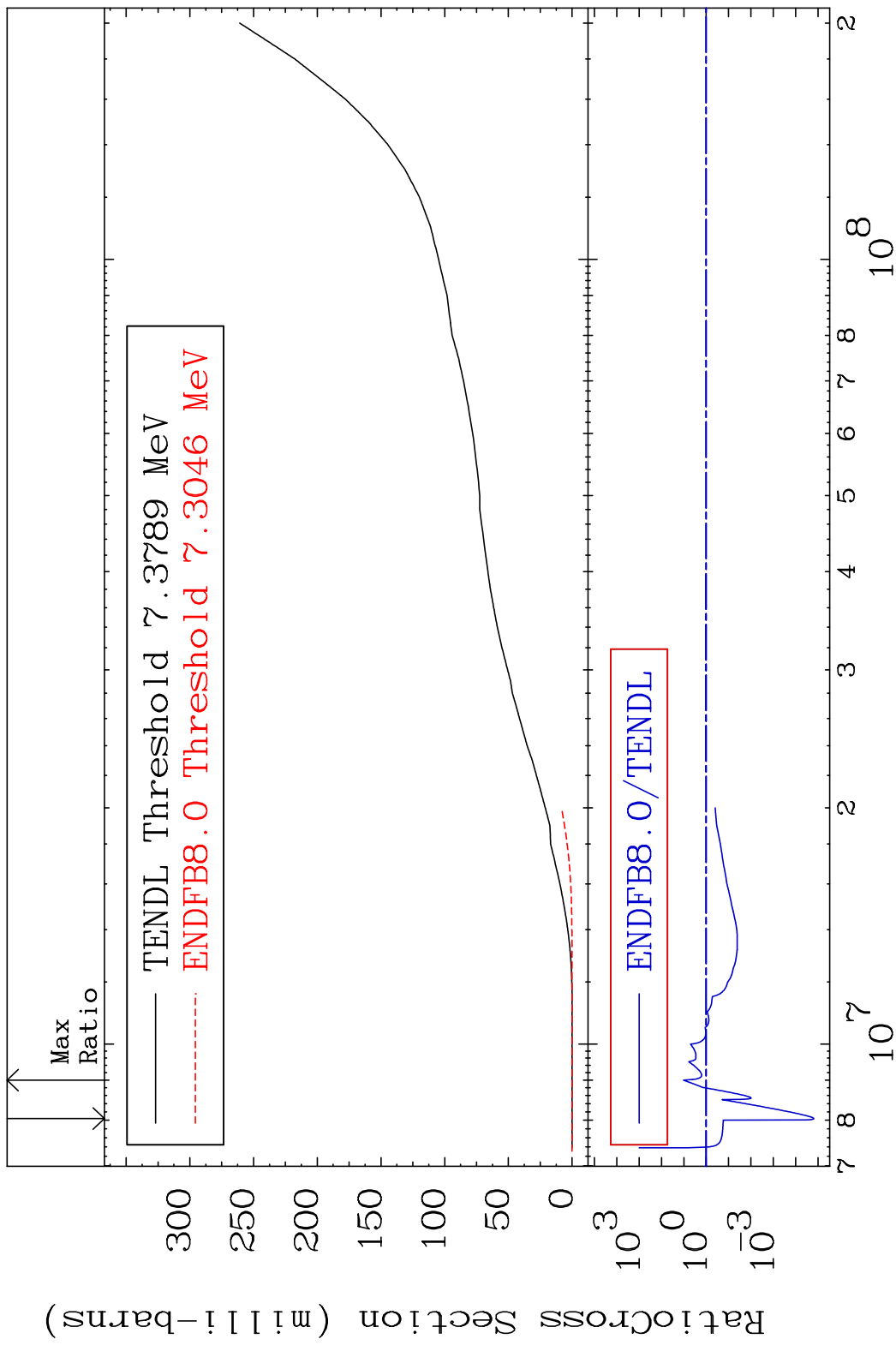


33

Incident Energy (eV)

<sup>34</sup>Se-76

MAT 3431 Deuterium Production <sup>34</sup>Se-76  
 Cross Section -100.0 To 942.7 %



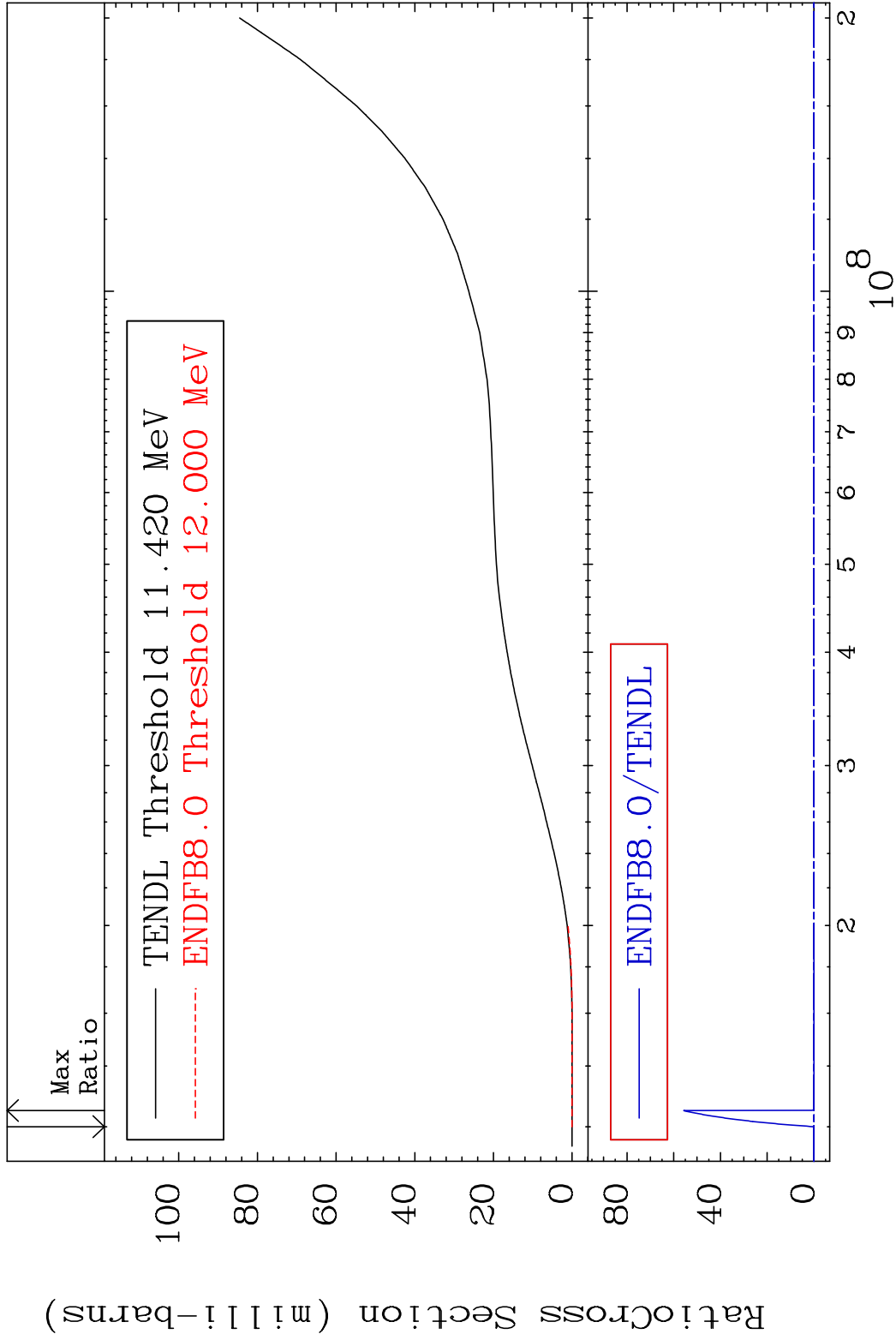
34 Incident Energy (eV) <sup>34</sup>Se-76

MAT 3431

Tritium Production

<sup>34</sup>Se-76

Cross Section -100.0 To 9999. %



35

Incident Energy (eV)

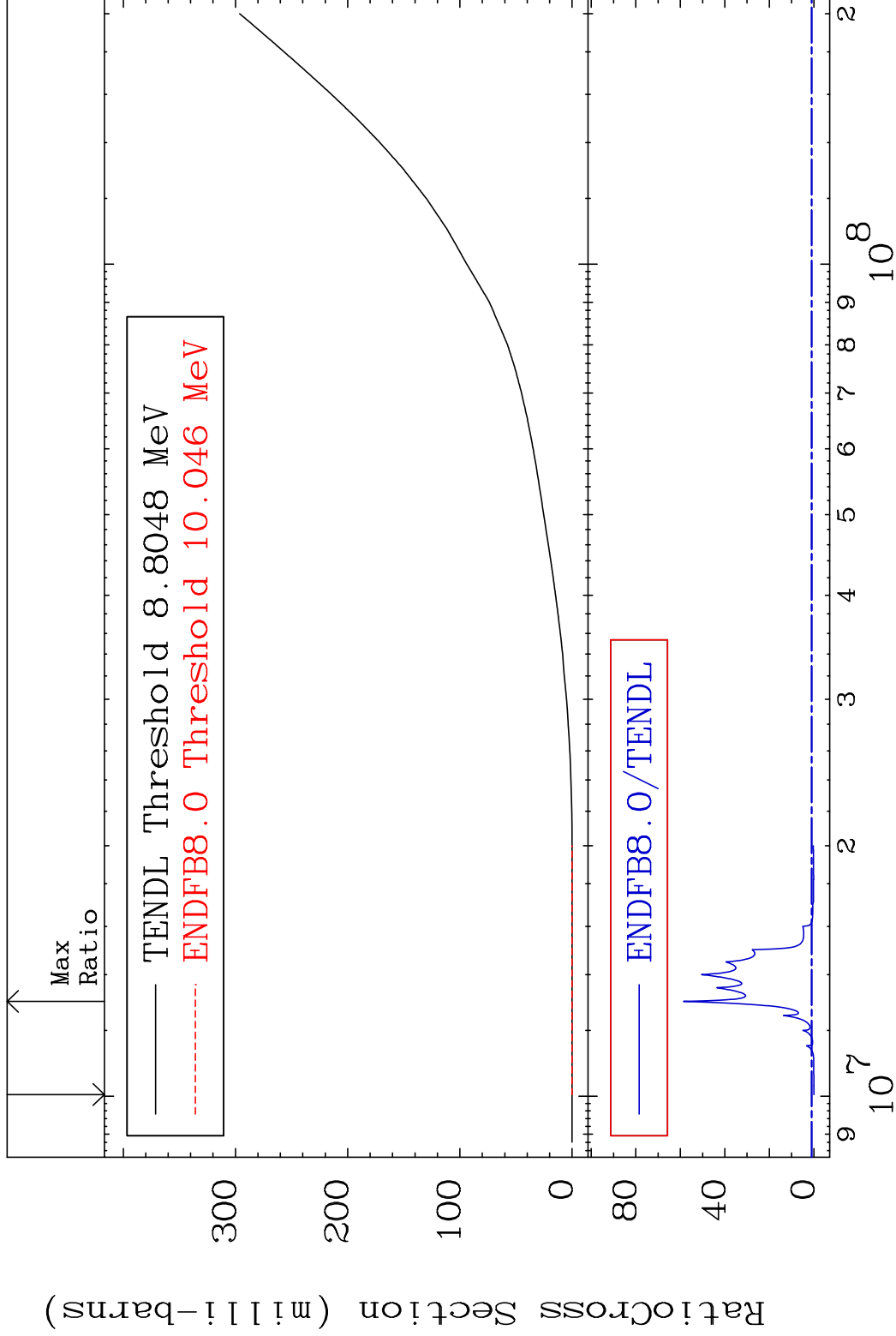
<sup>34</sup>Se-76

MAT 3431

He-3 Production

34-Se-76

Cross Section -100.0 To 5760. %



36

Incident Energy (eV)

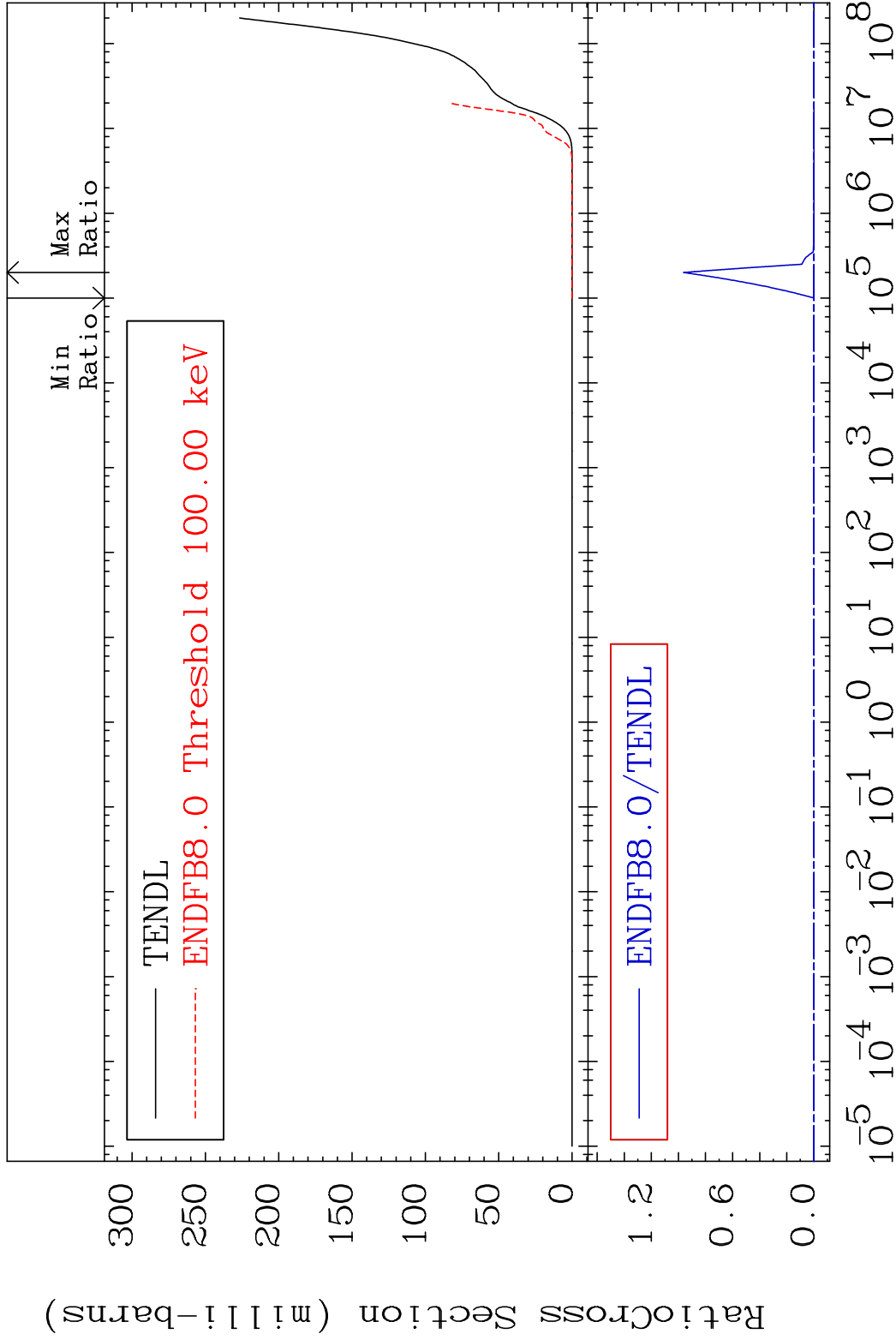
34-Se-76

MAT 3431

He-4 Production

34-Se-76

Cross Section -100.0 To 9999. %

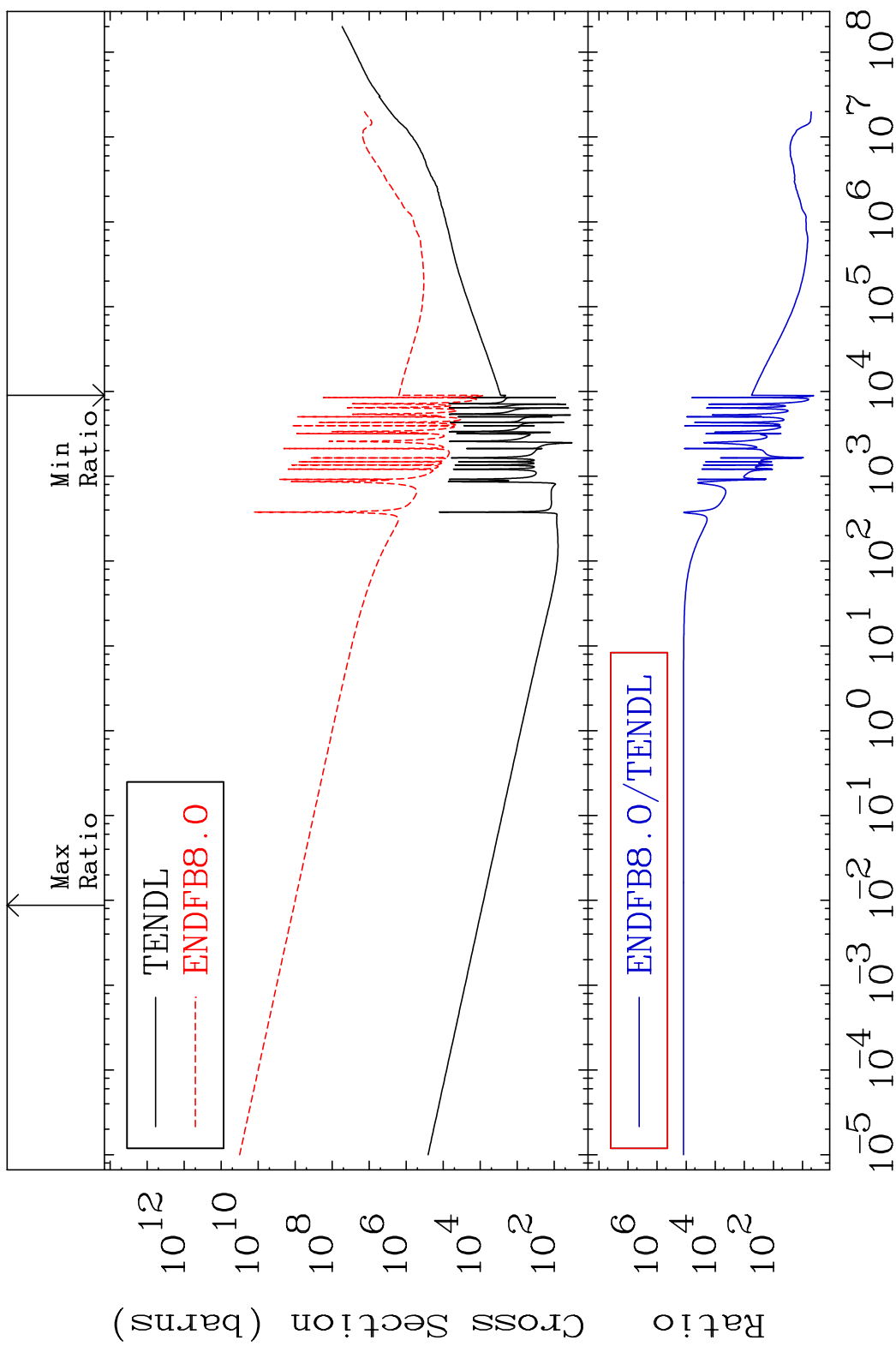


37

Incident Energy (eV)

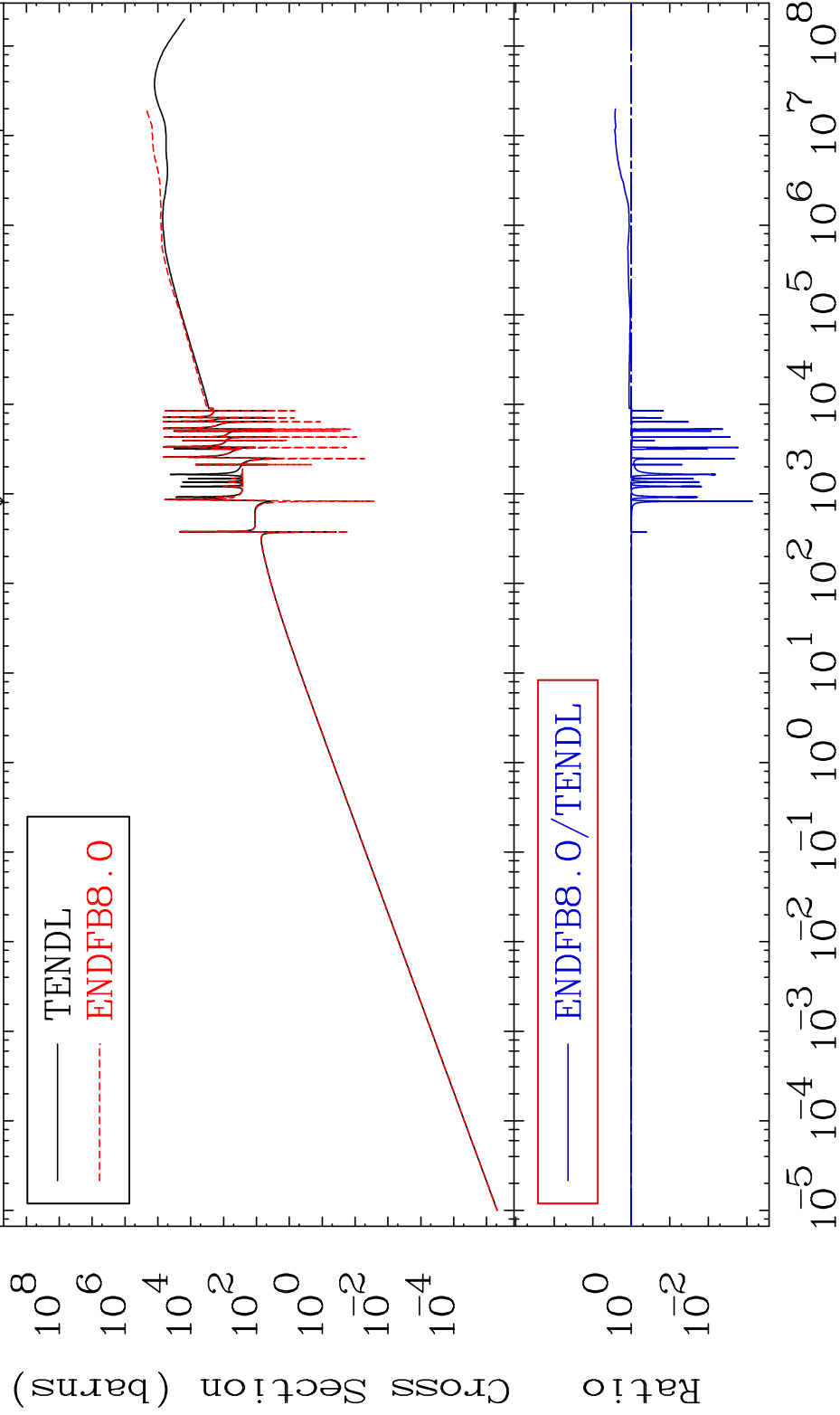
34-Se-76

MAT 3431 Kerma total (eV-barns) 34-Se-76  
 Cross Section 305.3 To 9999. %



MAT 3431

Kerma elastic Cross Section -99.93 To 168.9 %  
34-Se-76

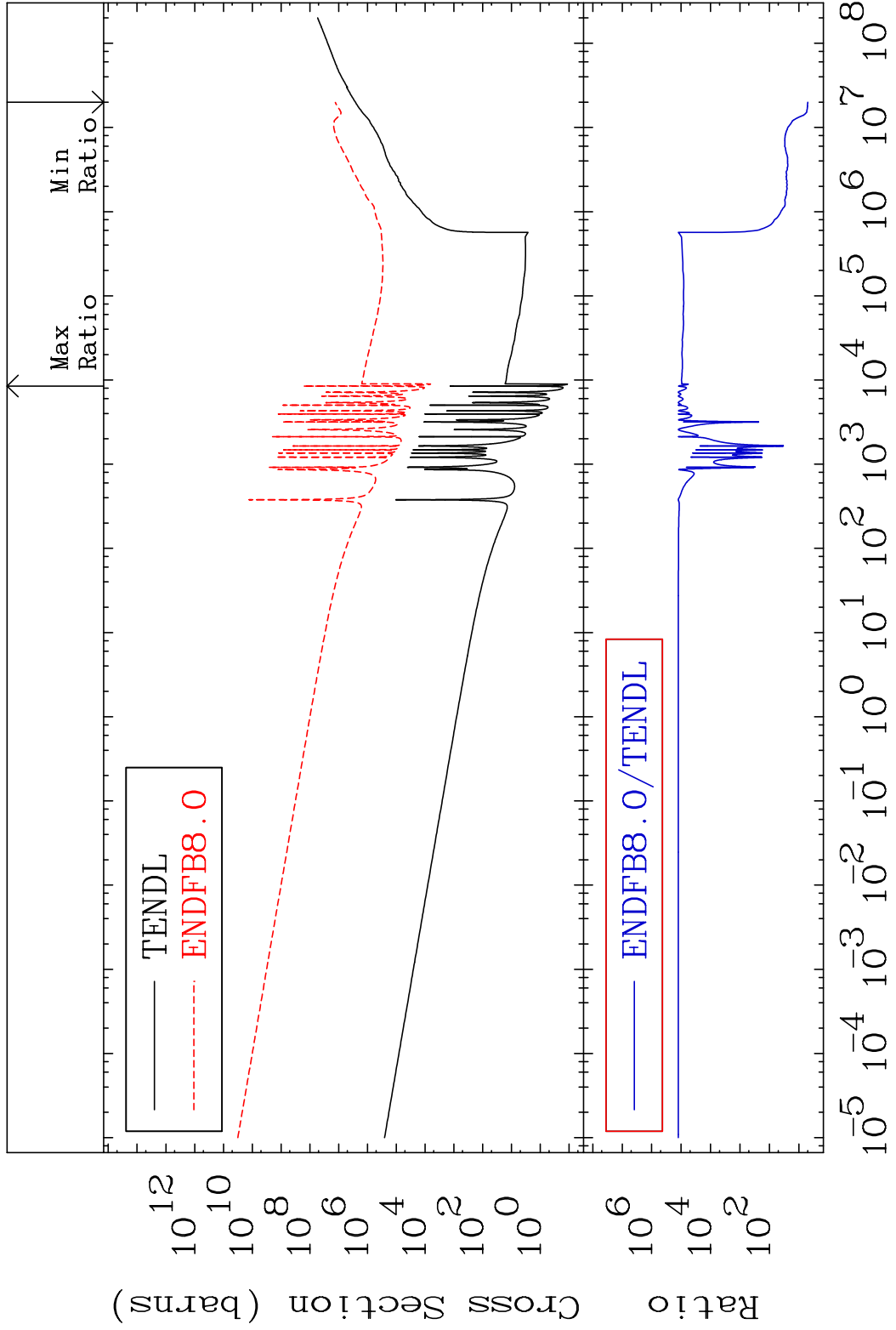


39

Incident Energy (eV)

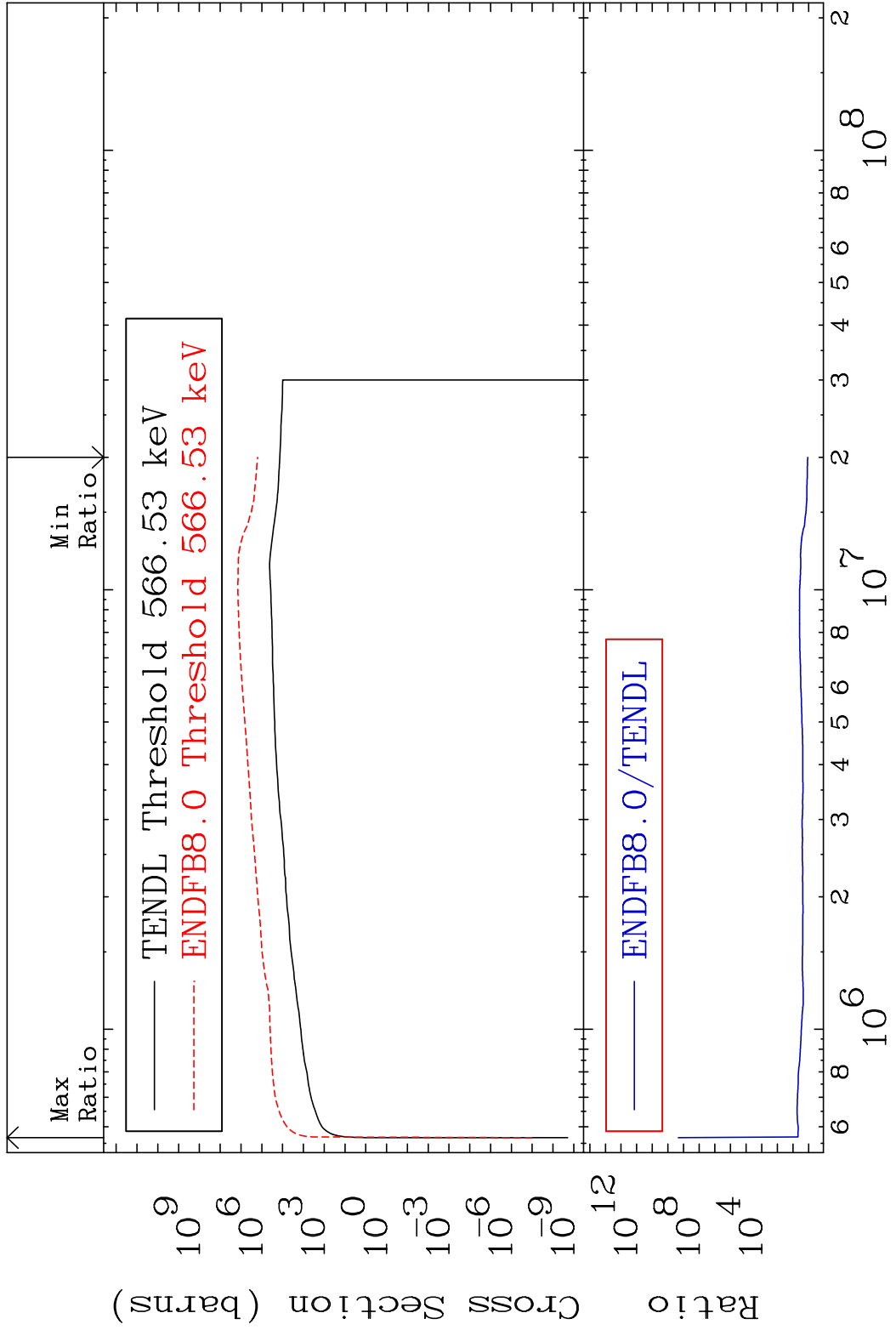
34-Se-76

MAT 3431 Kerma non-elastic (all but mt2) 34-Se-76  
 Cross Section 405.3 To 9999. %



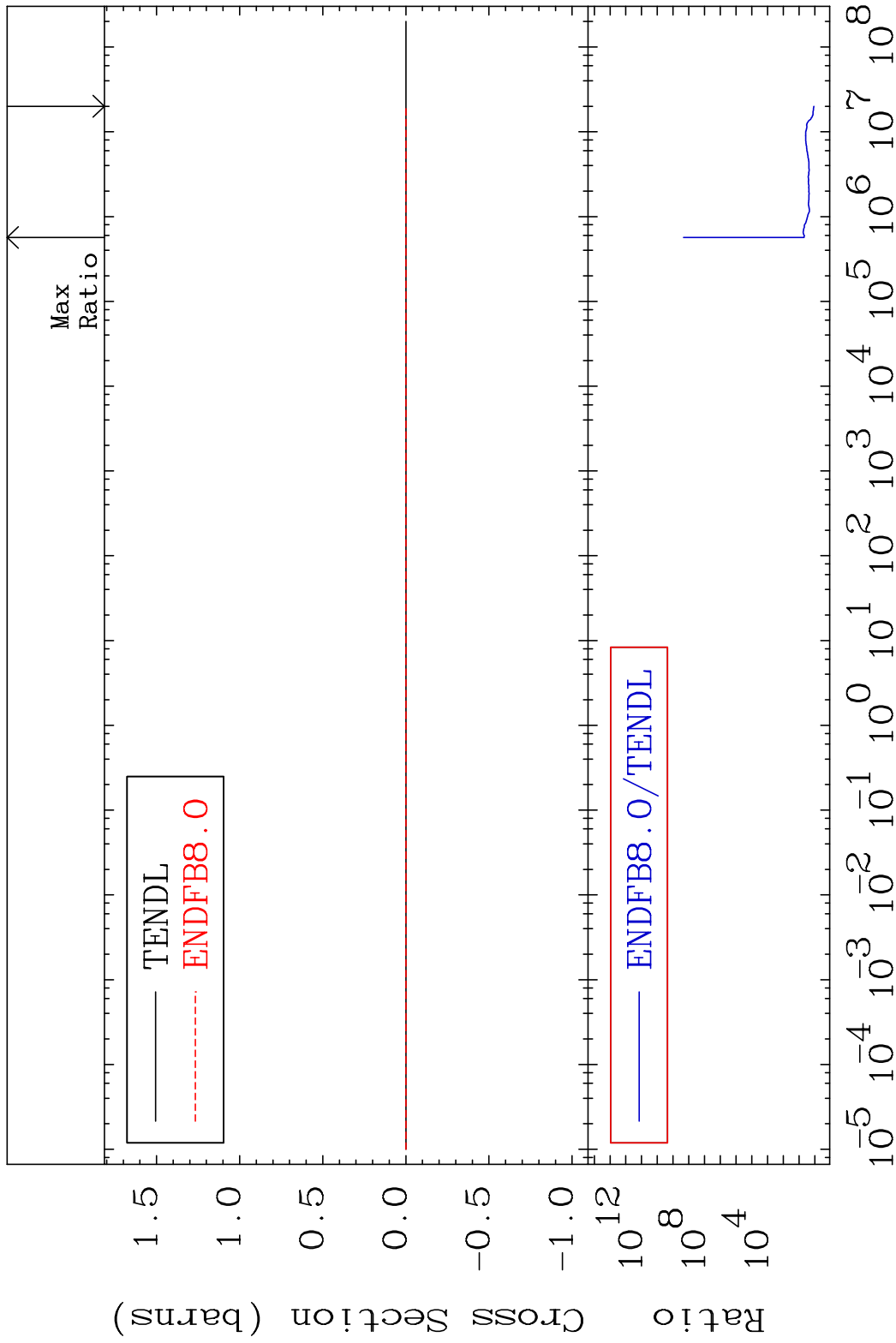
40 Incident Energy (eV) 34-Se-76

MAT 3431 Kerma inelastic (mt51-91) 34-Se-76  
 Cross Section 1061. To 9999. %



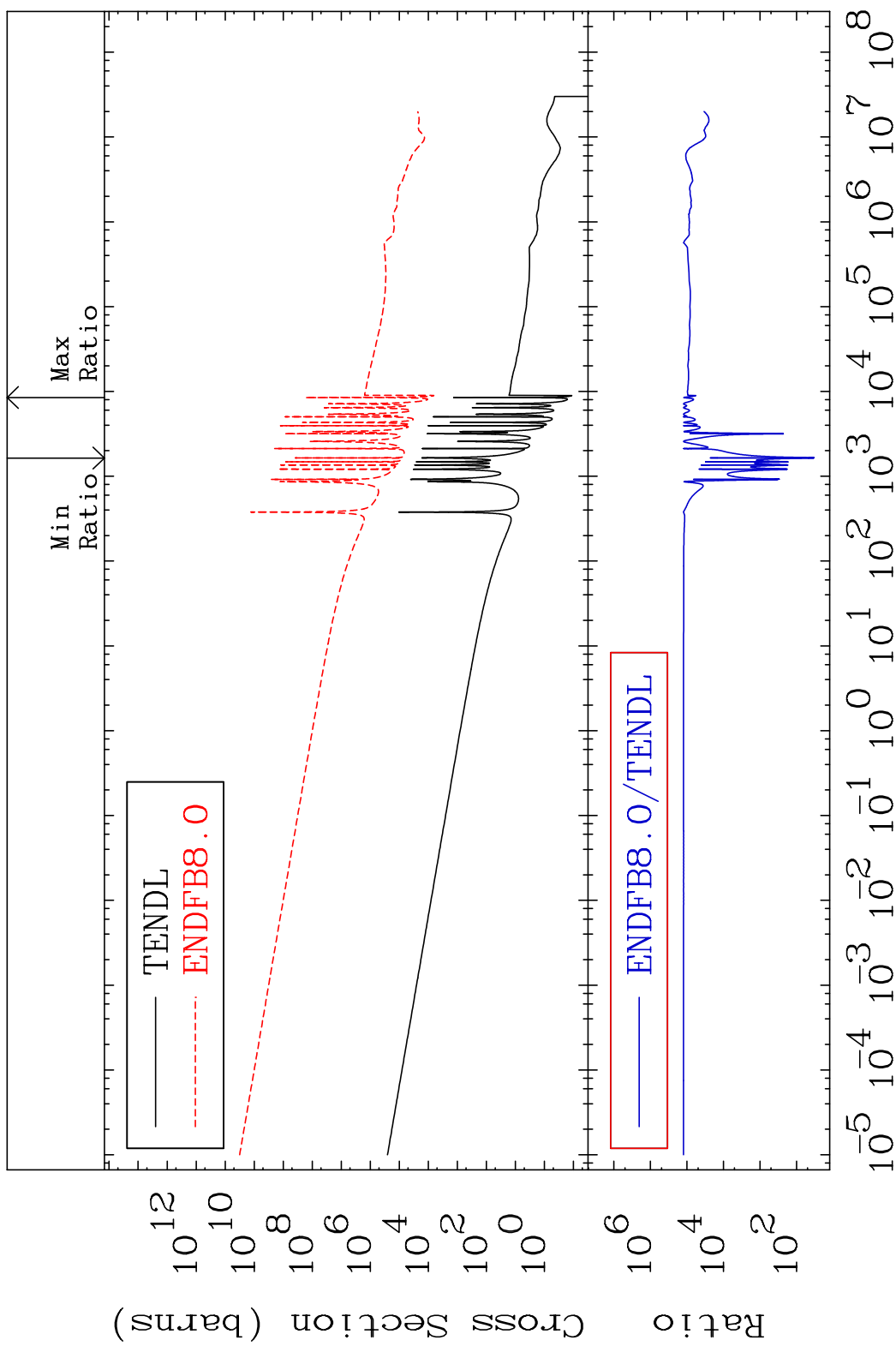
41 Incident Energy (eV) 34-Se-76

MAT 3431 Kerma fission (mt18 or mt19-20-21-38) 34-Se-76  
 Cross Section 1061. To 9999. %



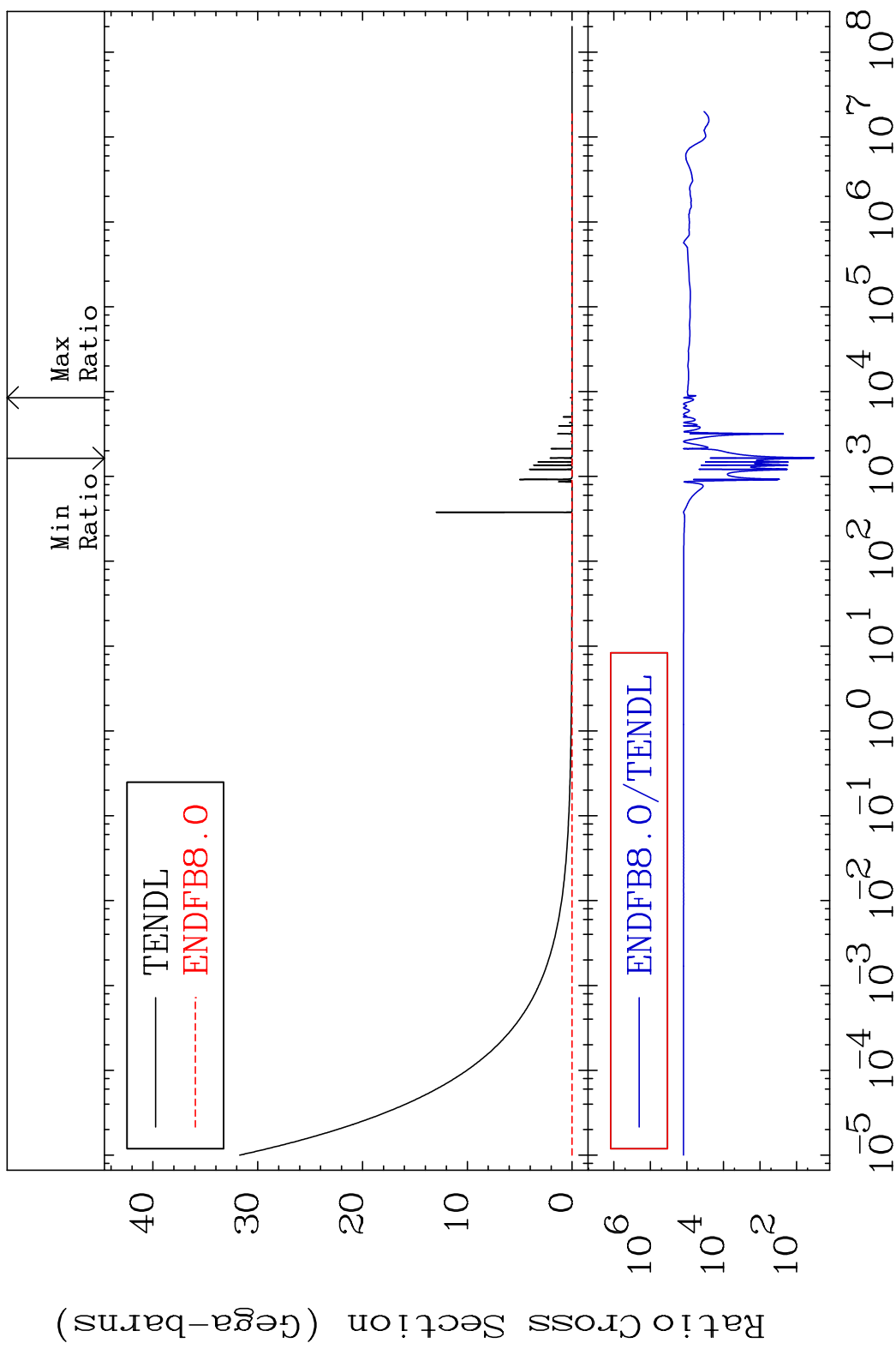
42 Incident Energy (eV) 34-Se-76

MAT 3431 Kerma capture (mt102) 34-Se-76  
 Cross Section 3270. To 9999. %



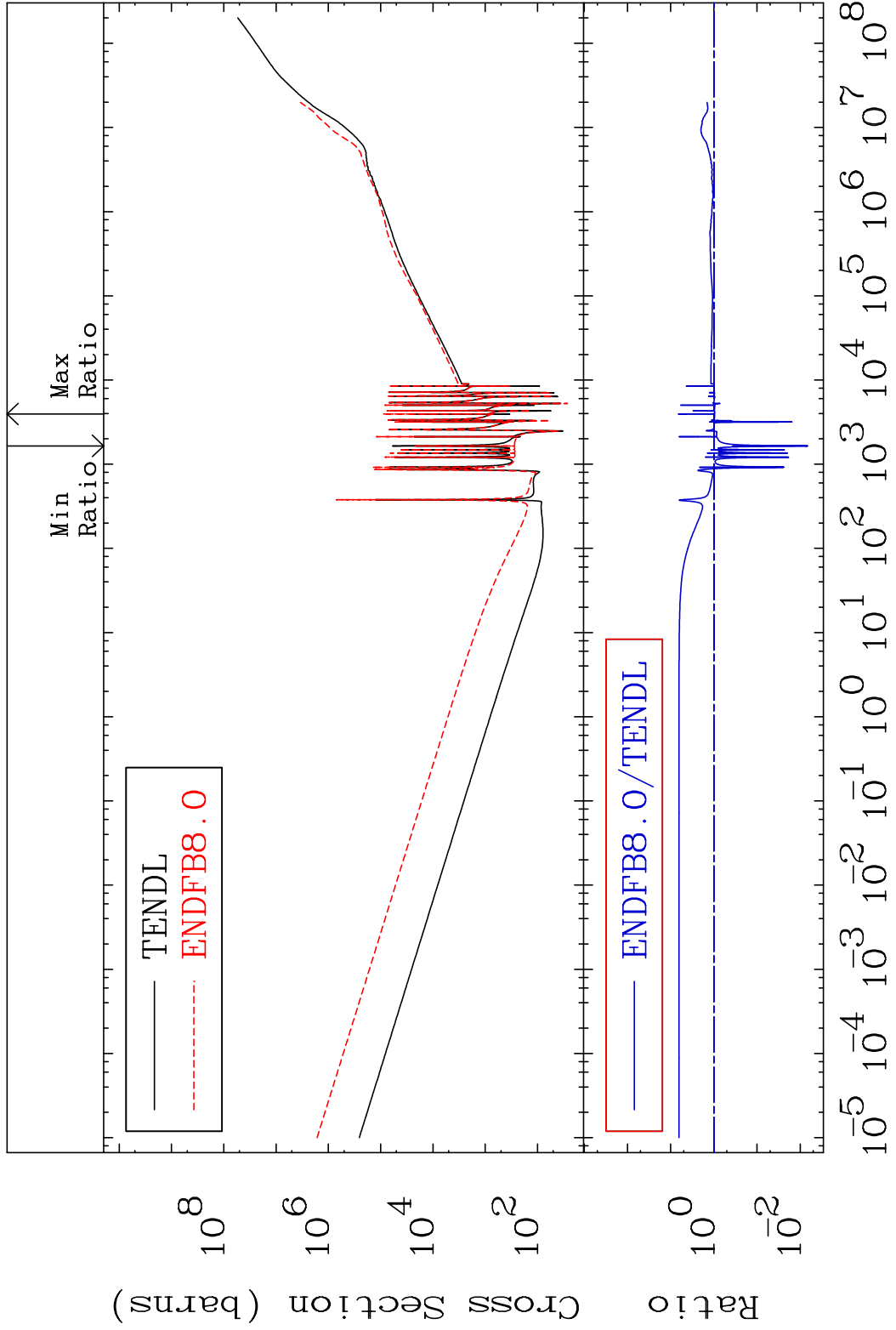
43 Incident Energy (eV) 34-Se-76

MAT 3431 Total photon (eV-barns) 34-Se-76  
 Cross Section 3270. To 9999. %



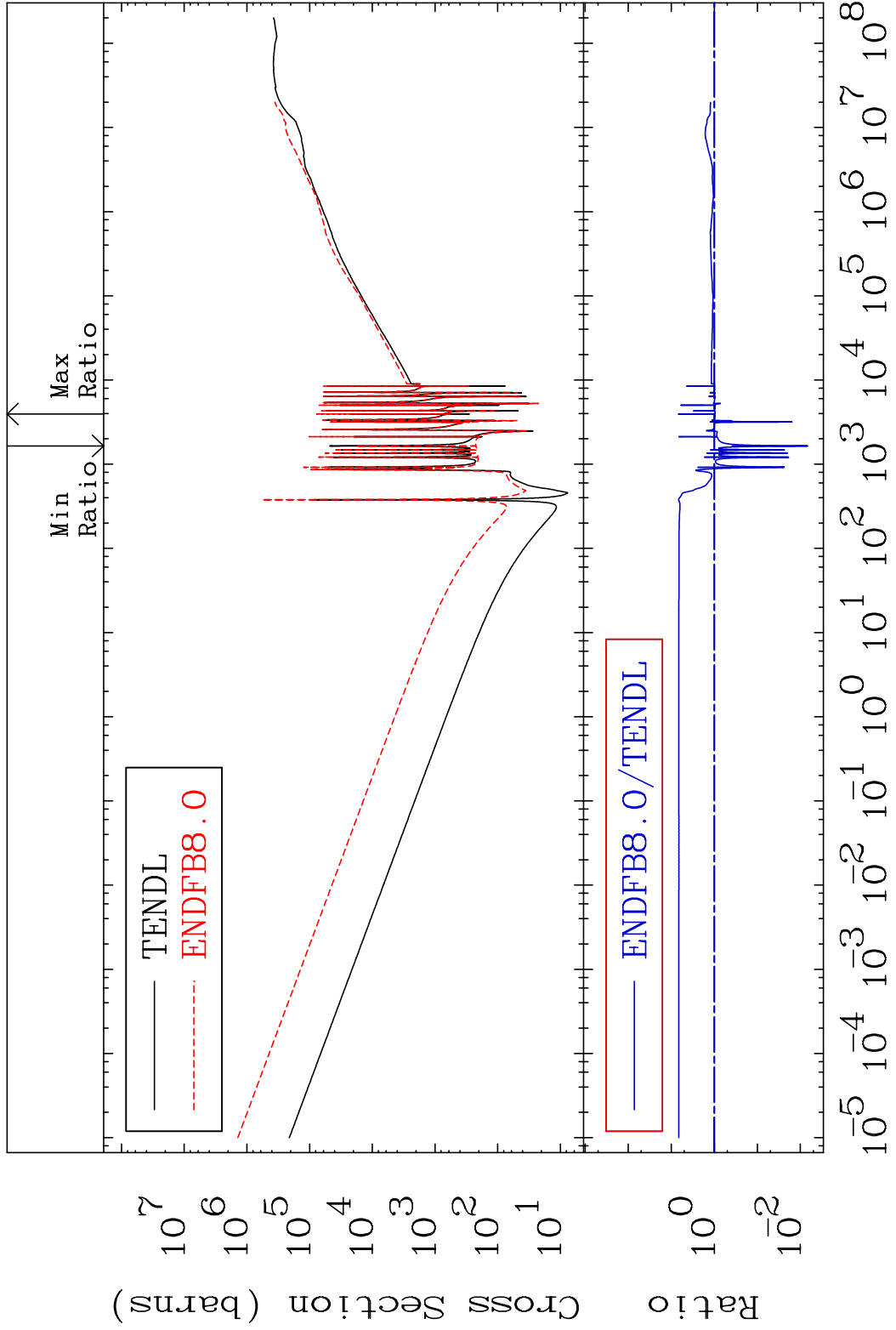
44 Incident Energy (eV) 34-Se-76

MAT 3431 Total kinematic kerma (high limit) 34-Se-76  
 Cross Section -99.33 To 567.0 %



45 Incident Energy (eV) 34-Se-76

MAT 3431      Dpa total (eV-barns)      34-Se-76  
 Cross Section      -99.32 To 584.7 %



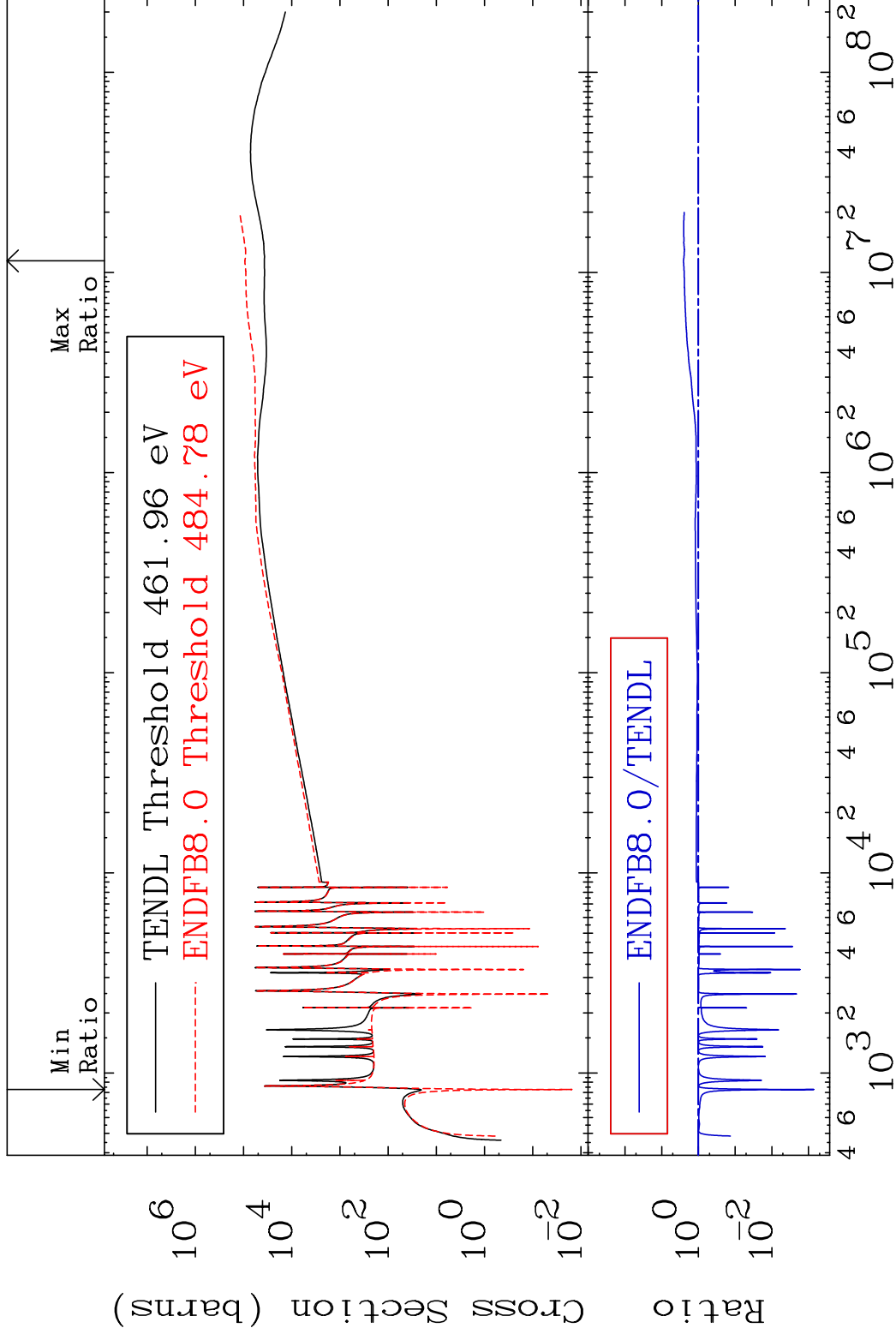
46      Incident Energy (eV)      34-Se-76

MAT 3431

Dpa elastic (mt2)

<sup>34</sup>Se-76

Cross Section -99.93 To 155.3 %

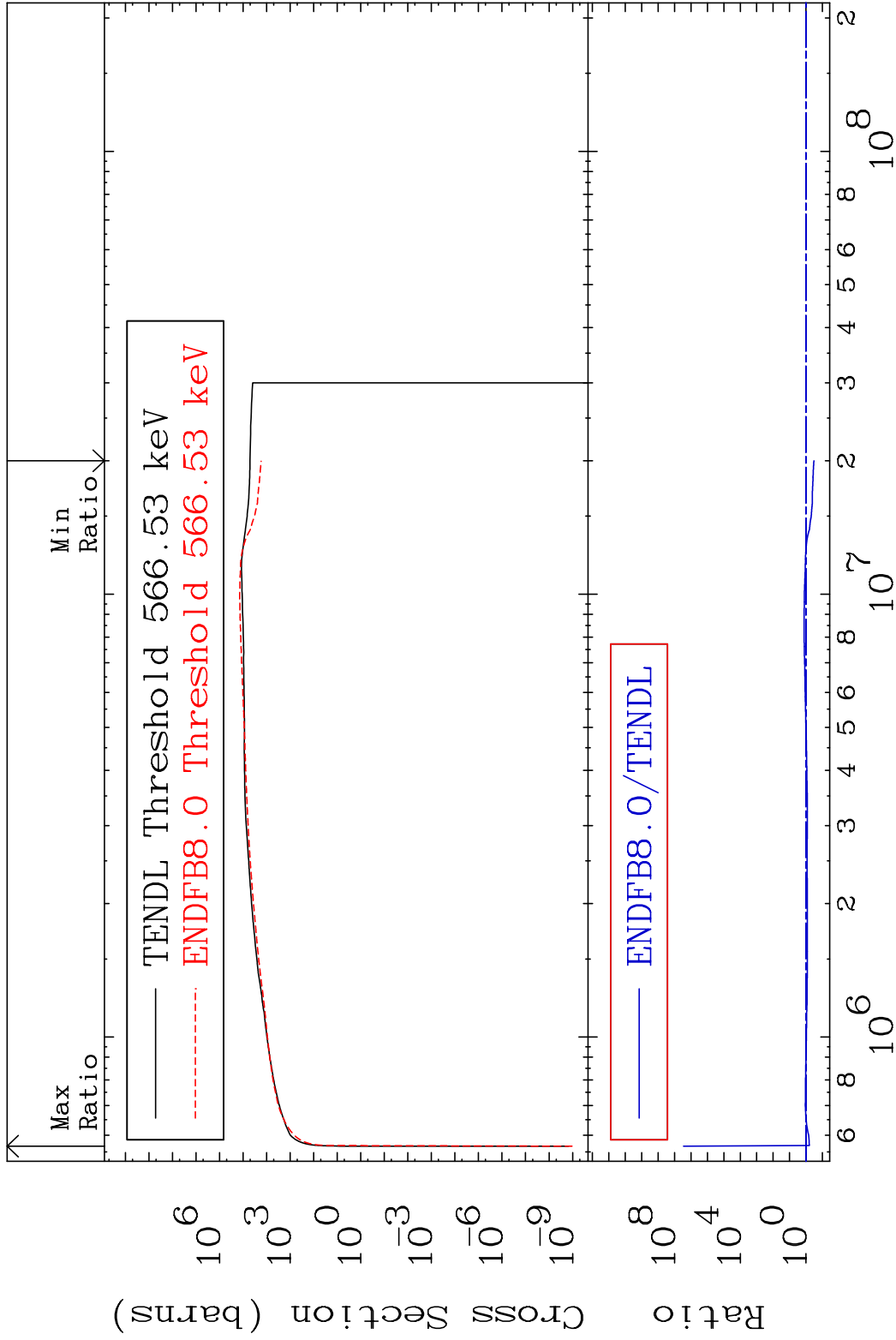


47

Incident Energy (eV)

<sup>34</sup>Se-76

MAT 3431 Dpa inelastic (mt51-91) 34-Se-76  
 Cross Section -66.77 To 9999. %



48 Incident Energy (eV) 34-Se-76

MAT 3431 Dpa disappearance (mt102 -120) 34-Se-76  
 Cross Section -99.81 To 9999. %

