

Program Complot  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

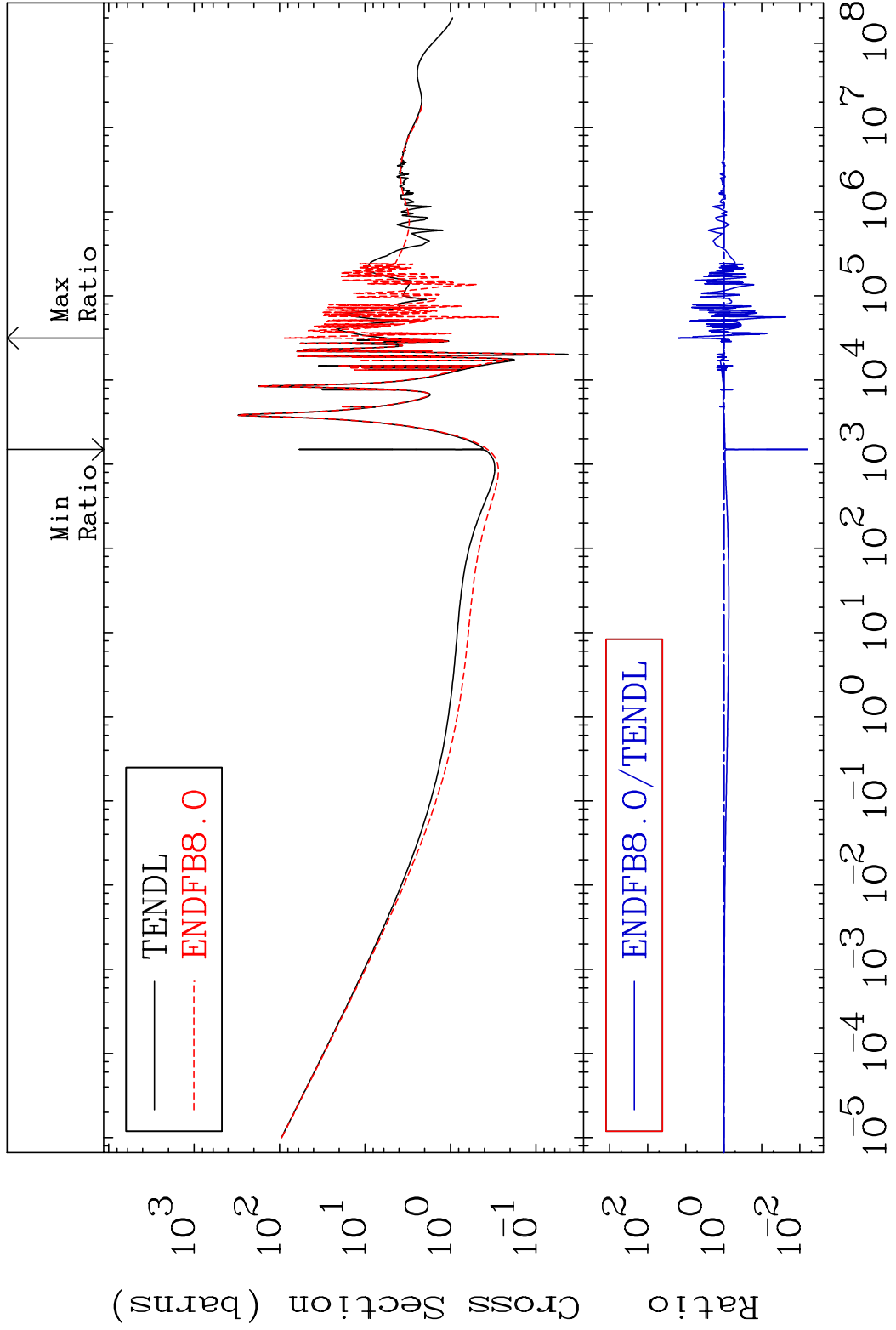
U.S.A.

Tele: 925-443-1911

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

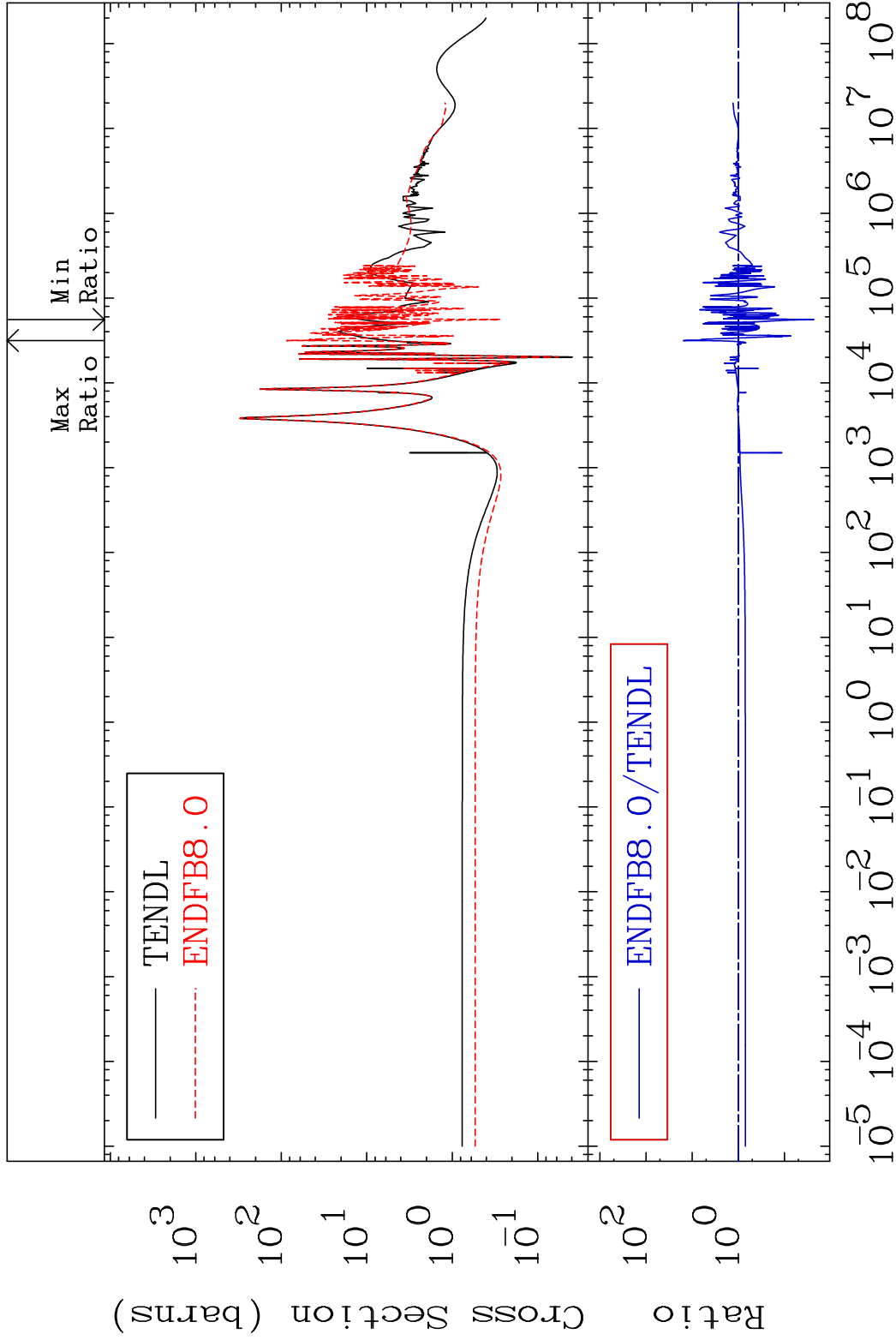
Press Mouse Button to Start

MAT 2234      Total      <sup>22</sup>Ti-49  
Cross Section      -99.38 To 1469. %



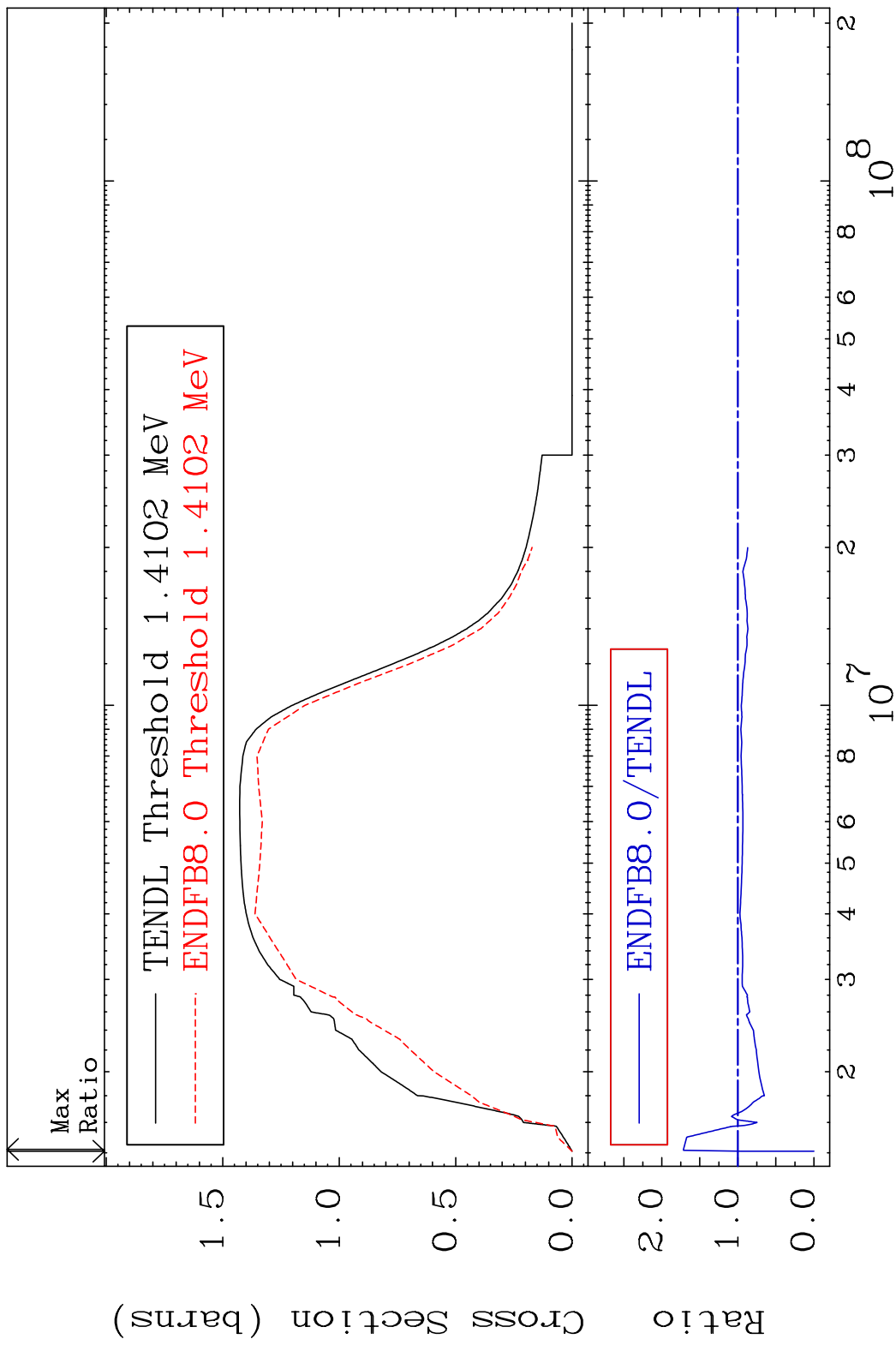
1      Incident Energy (eV)      <sup>22</sup>Ti-49

MAT 2234 Elastic Cross Section 22-Ti-49  
 -97.69 To 1447. %



2 Incident Energy (eV) 22-Ti-49

MAT 2234 Inelastic <sup>22</sup>Ti-49  
 Cross Section -100.0 To 71.52 %



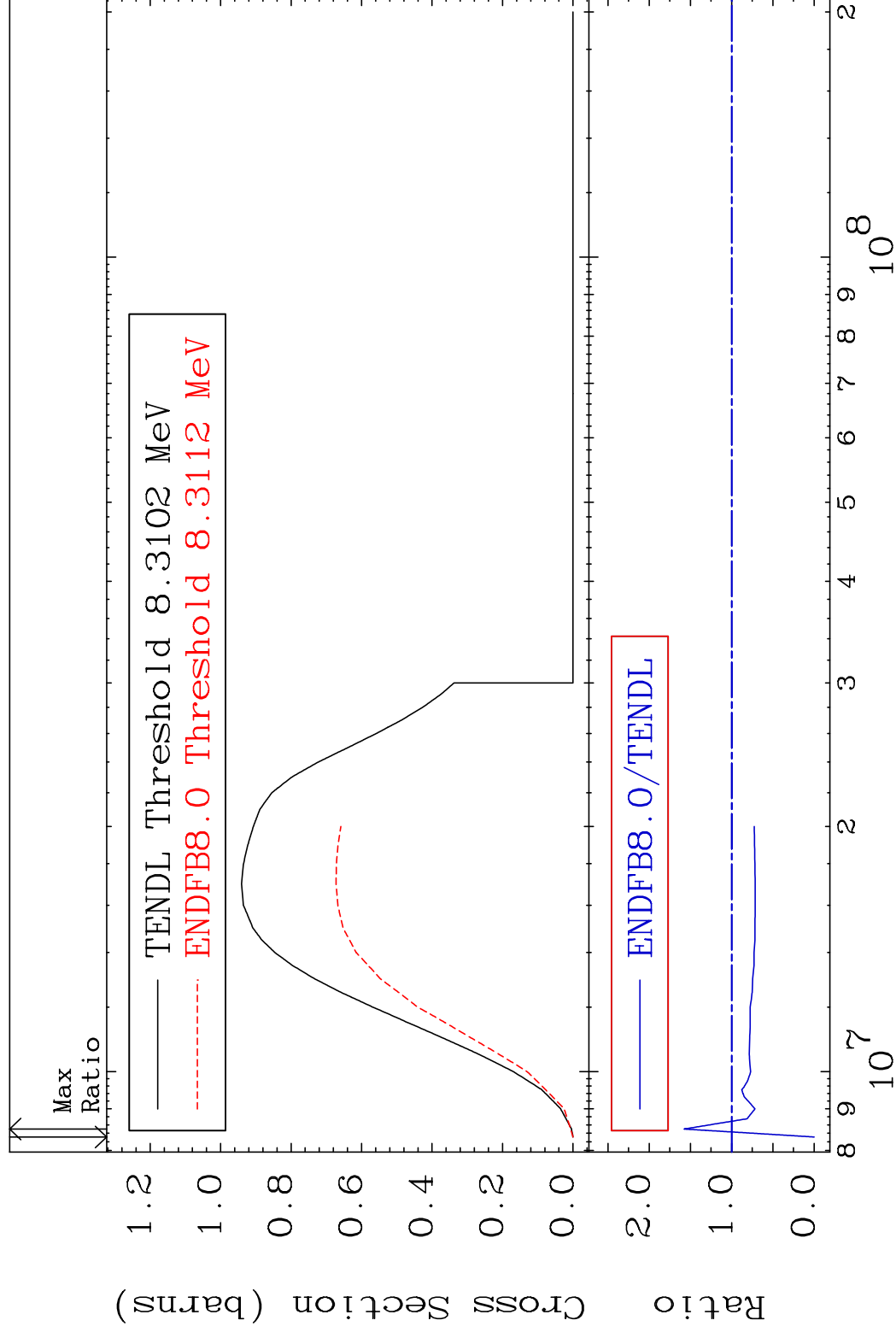
3 Incident Energy (eV) <sup>22</sup>Ti-49

MAT 2234

(n,2n)

<sup>22</sup>Ti-49

Cross Section -100.0 To 57.71 %

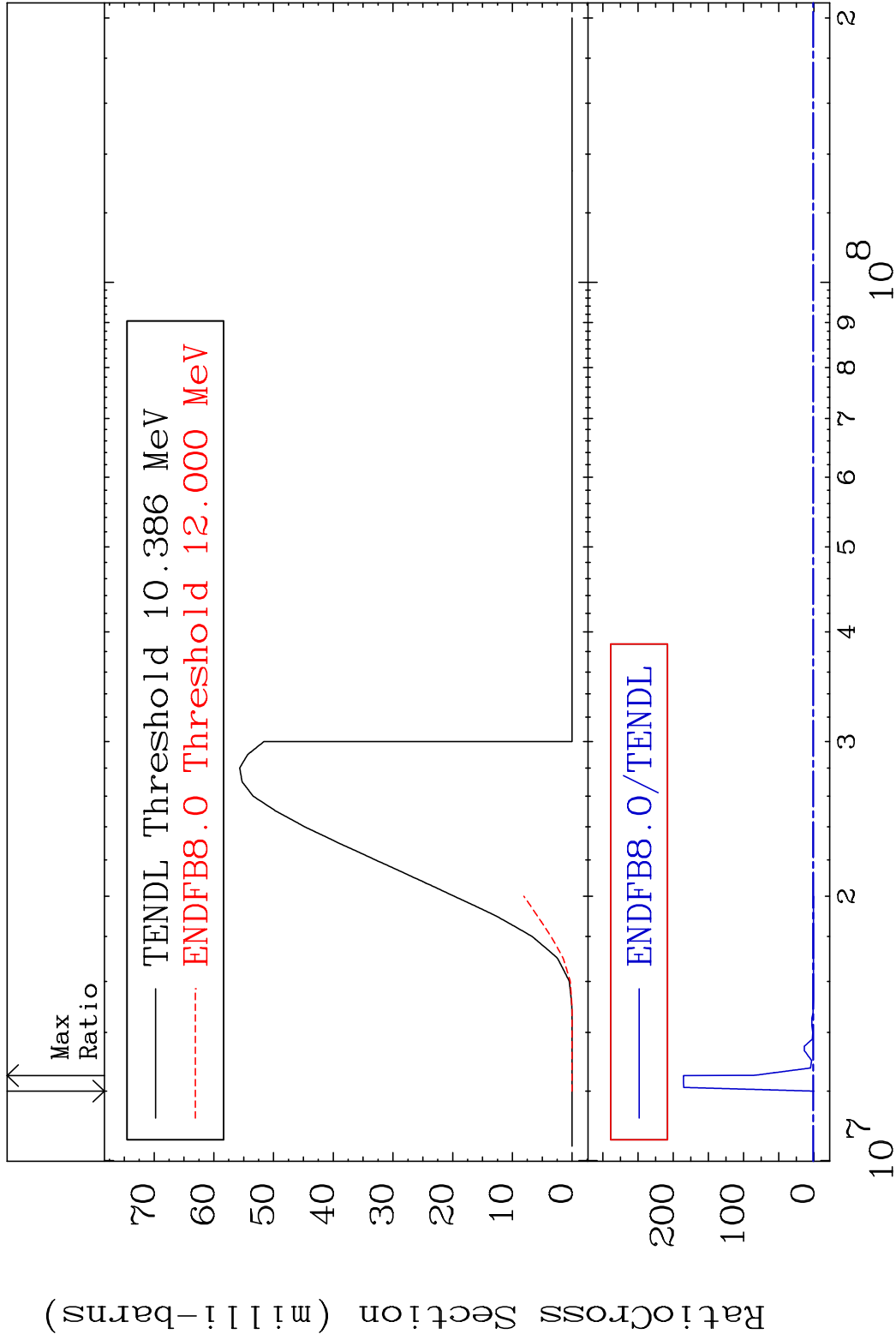


4

Incident Energy (eV)

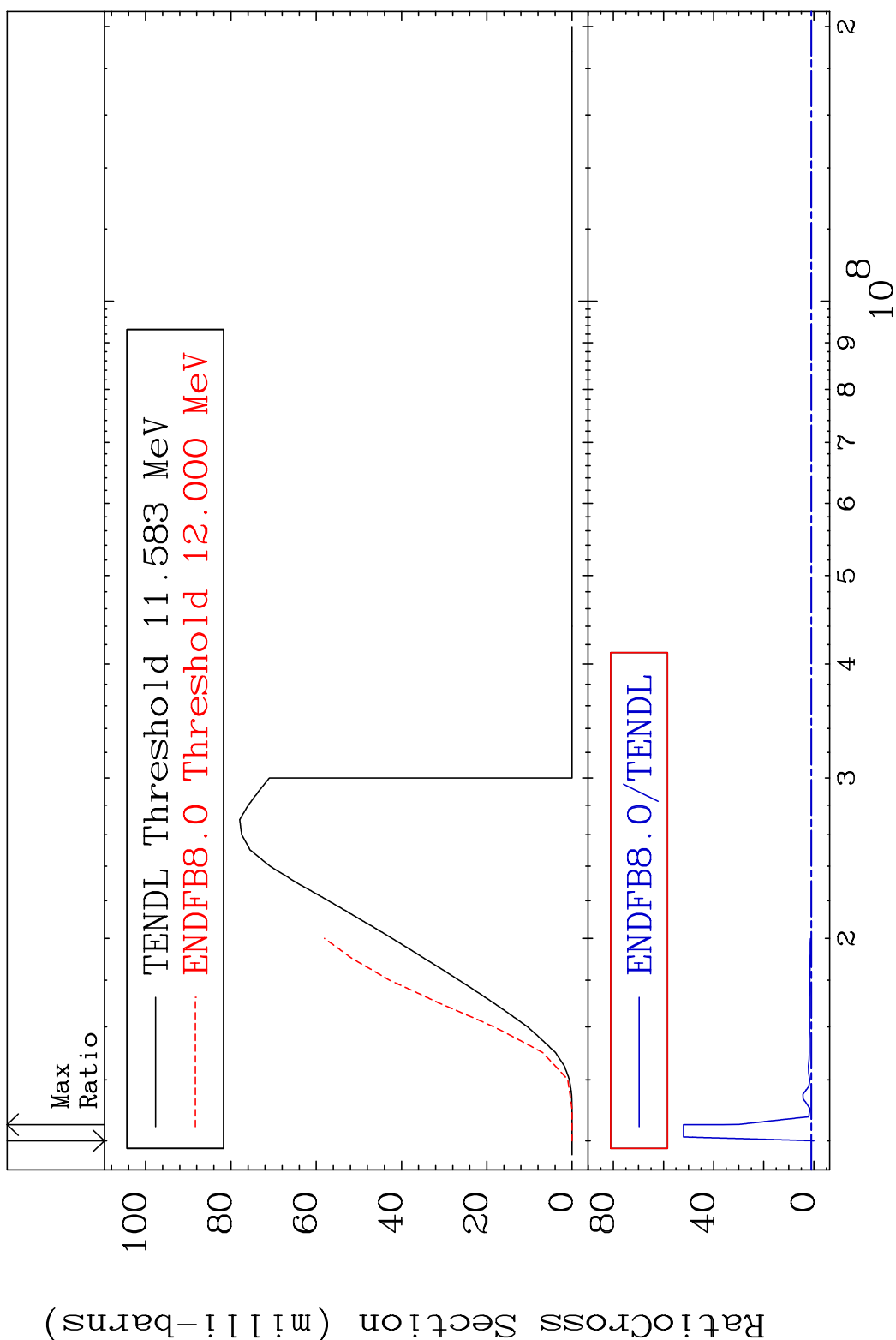
<sup>22</sup>Ti-49

MAT 2234 (n, n')  $\alpha$  22-Ti-49  
 Cross Section -100.0 To 9999. %

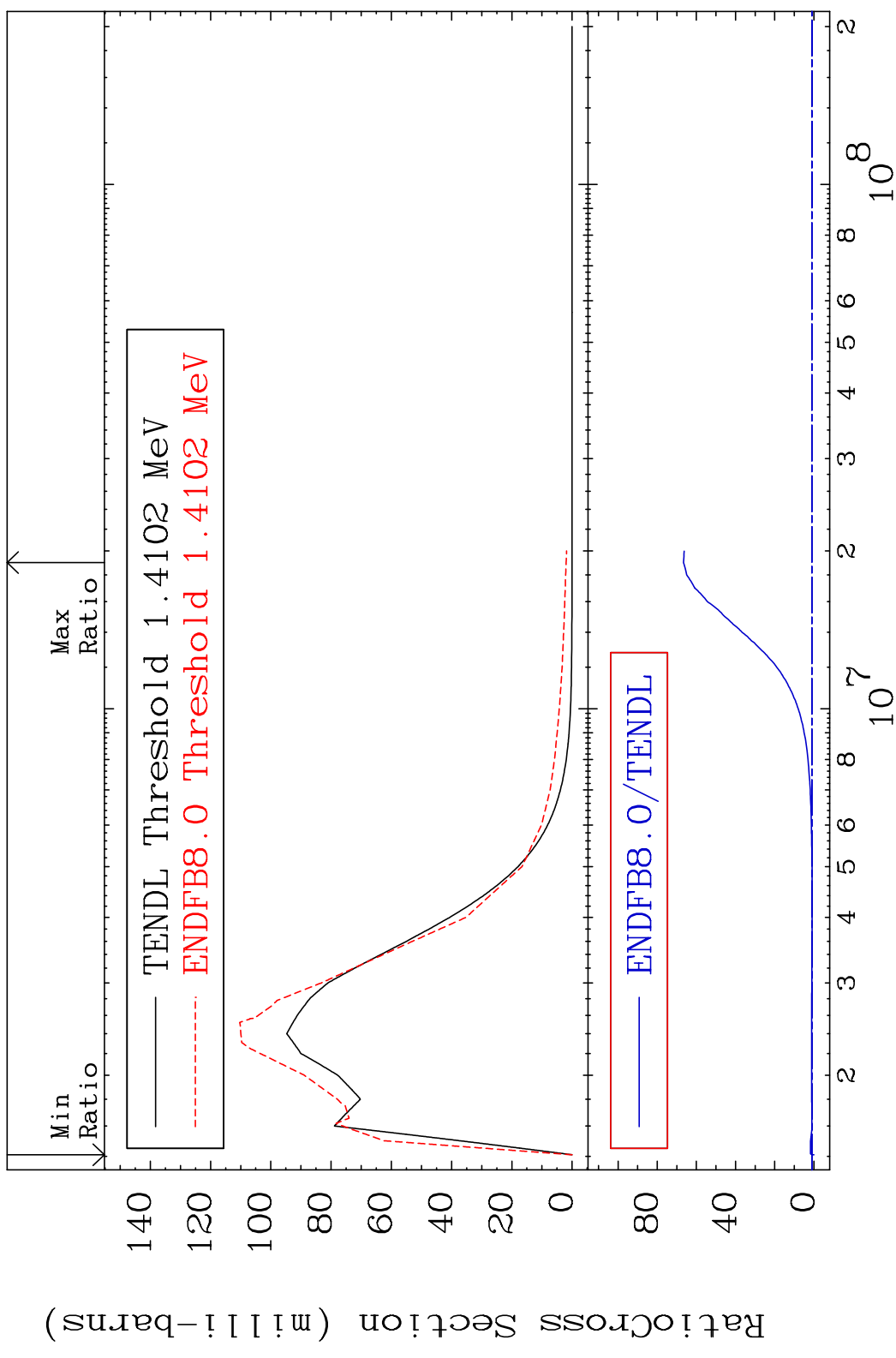


5 Incident Energy (eV) 22-Ti-49

MAT 2234 (n, n') p 22-Ti-49  
 Cross Section -100.0 To 5104. %



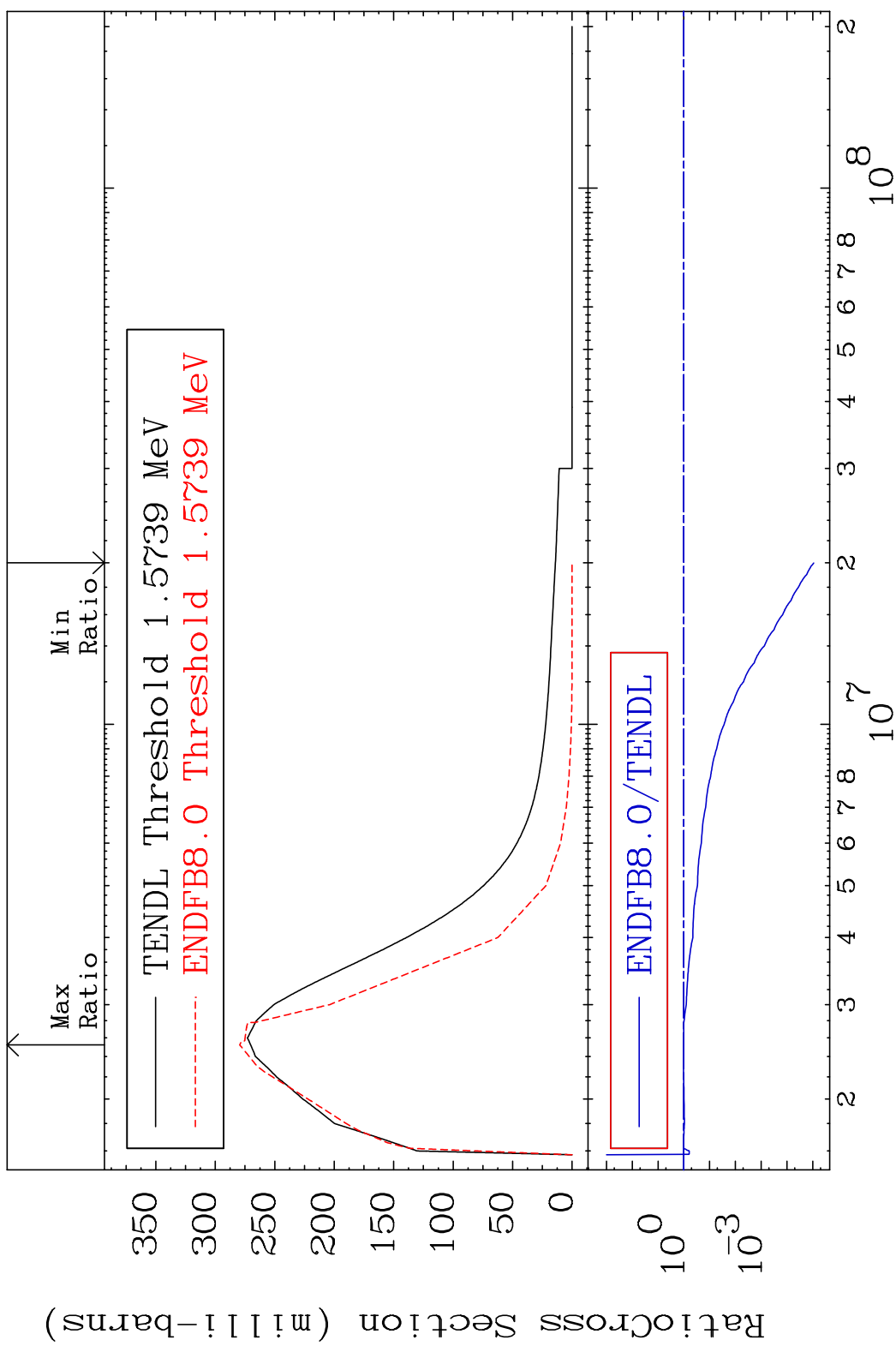
MAT 2234 MT= 51 (n, n') Level 22-Ti-49  
 Cross Section -100.0 To 6560. %



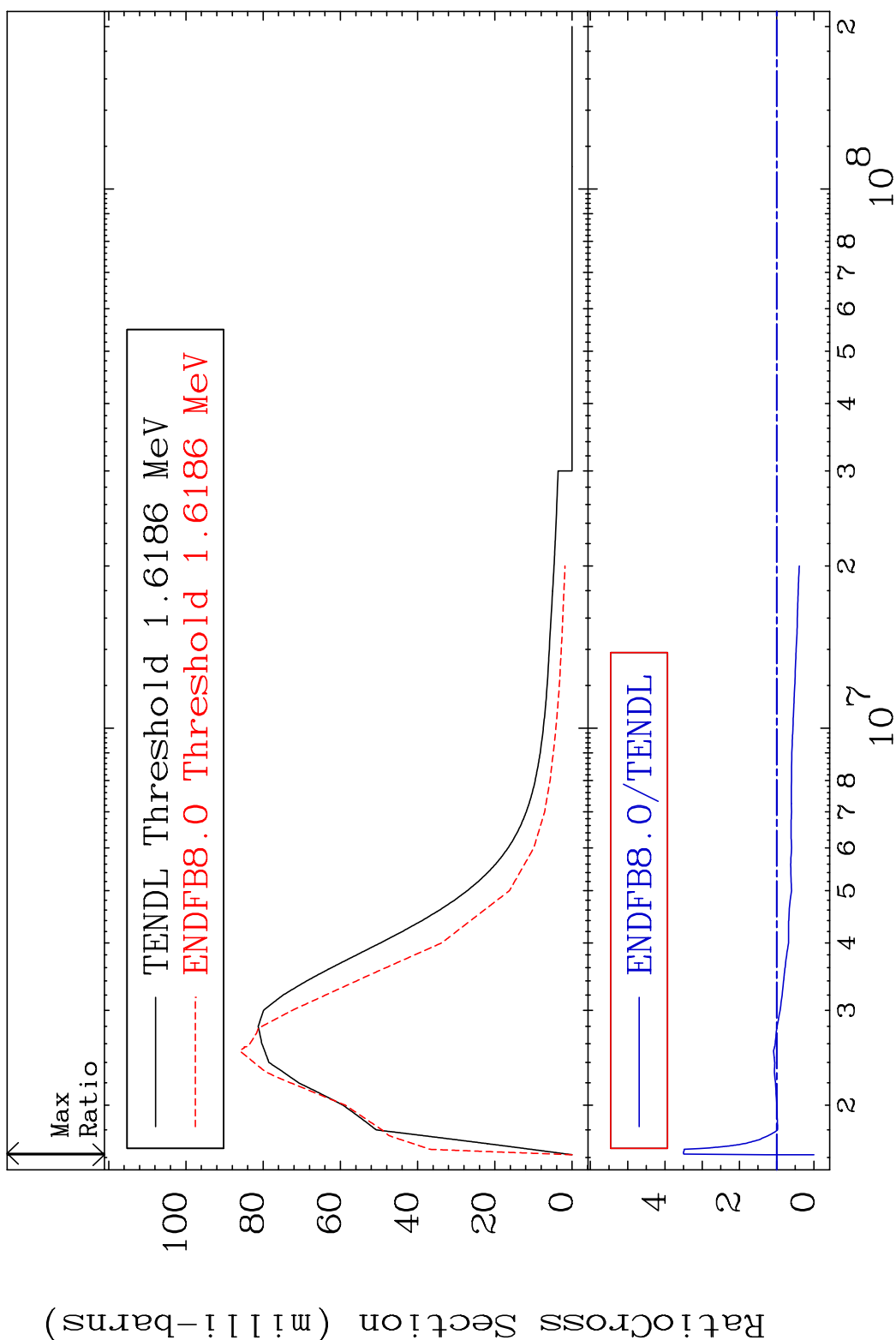
7 22-Ti-49



MAT 2234 MT= 52 (n, n') Level 22-Ti-49  
 Cross Section -100.0 To 3.413 %

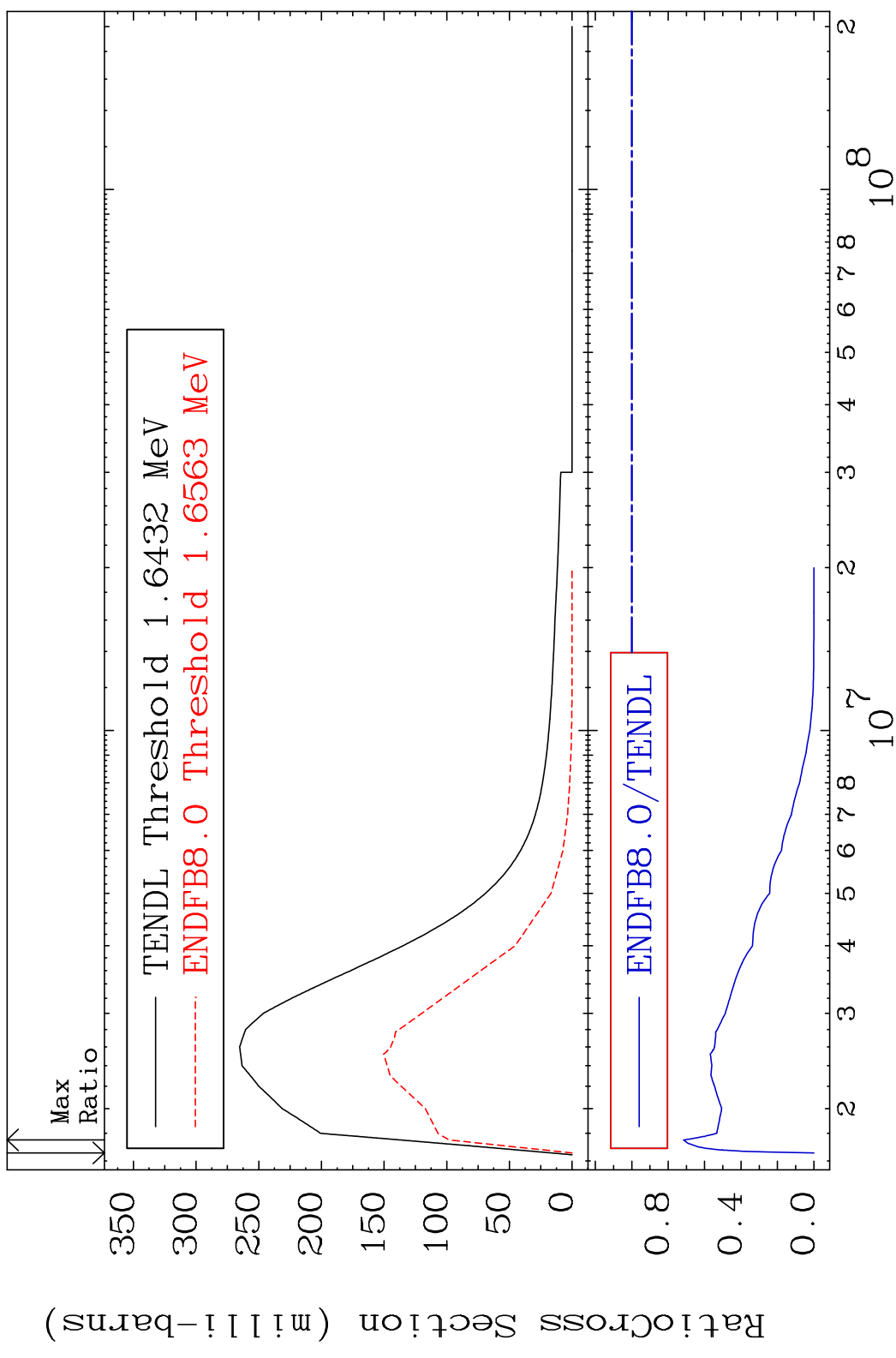


MAT 2234 MT= 53 (n, n') Level 22-Ti-49  
 Cross Section -100.0 To 250.2 %



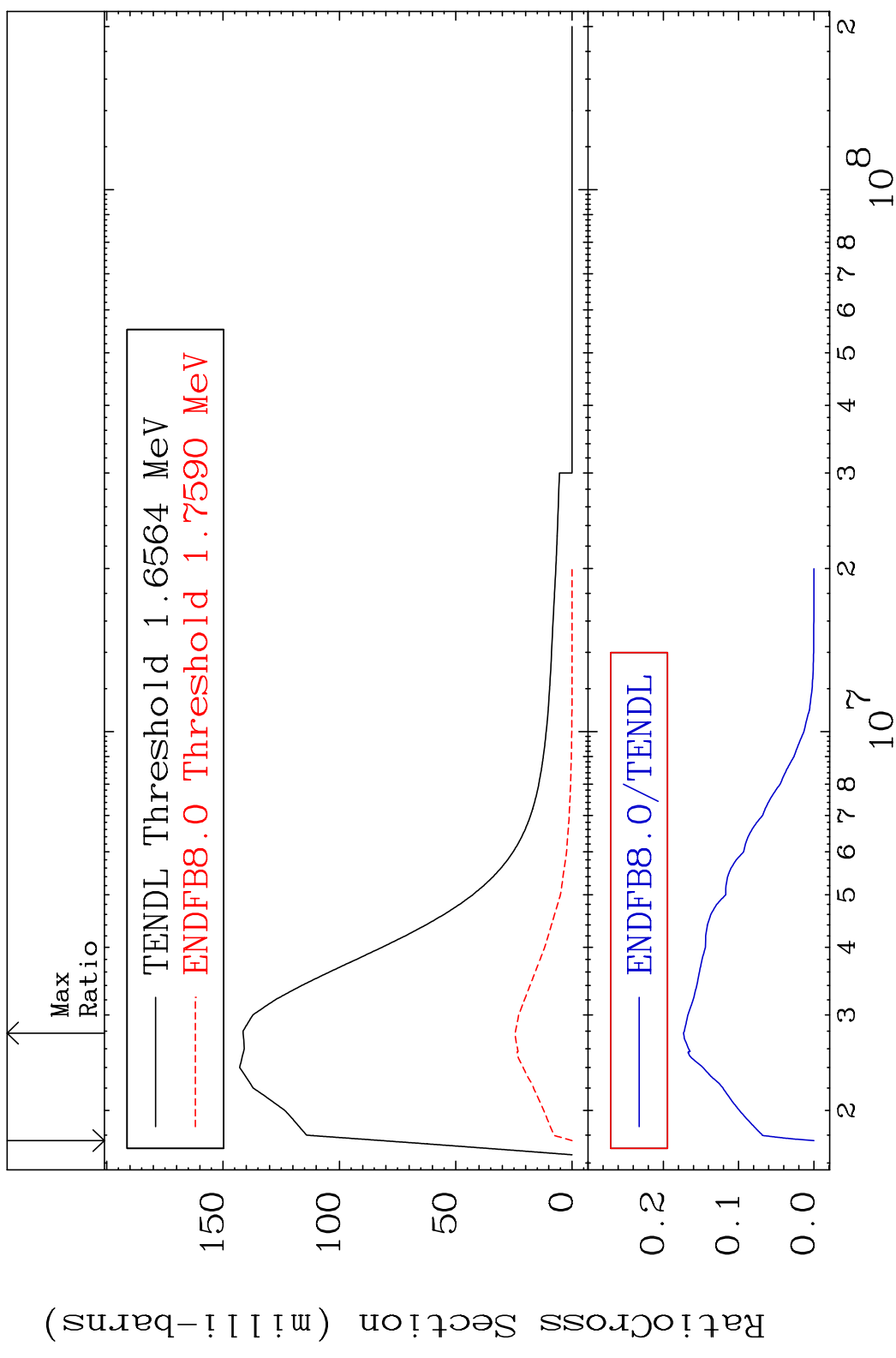
9 Incident Energy (eV) 22-Ti-49

MAT 2234 MT= 54 (n, n') Level 22-Ti-49  
 Cross Section -100.0 To -28.39%



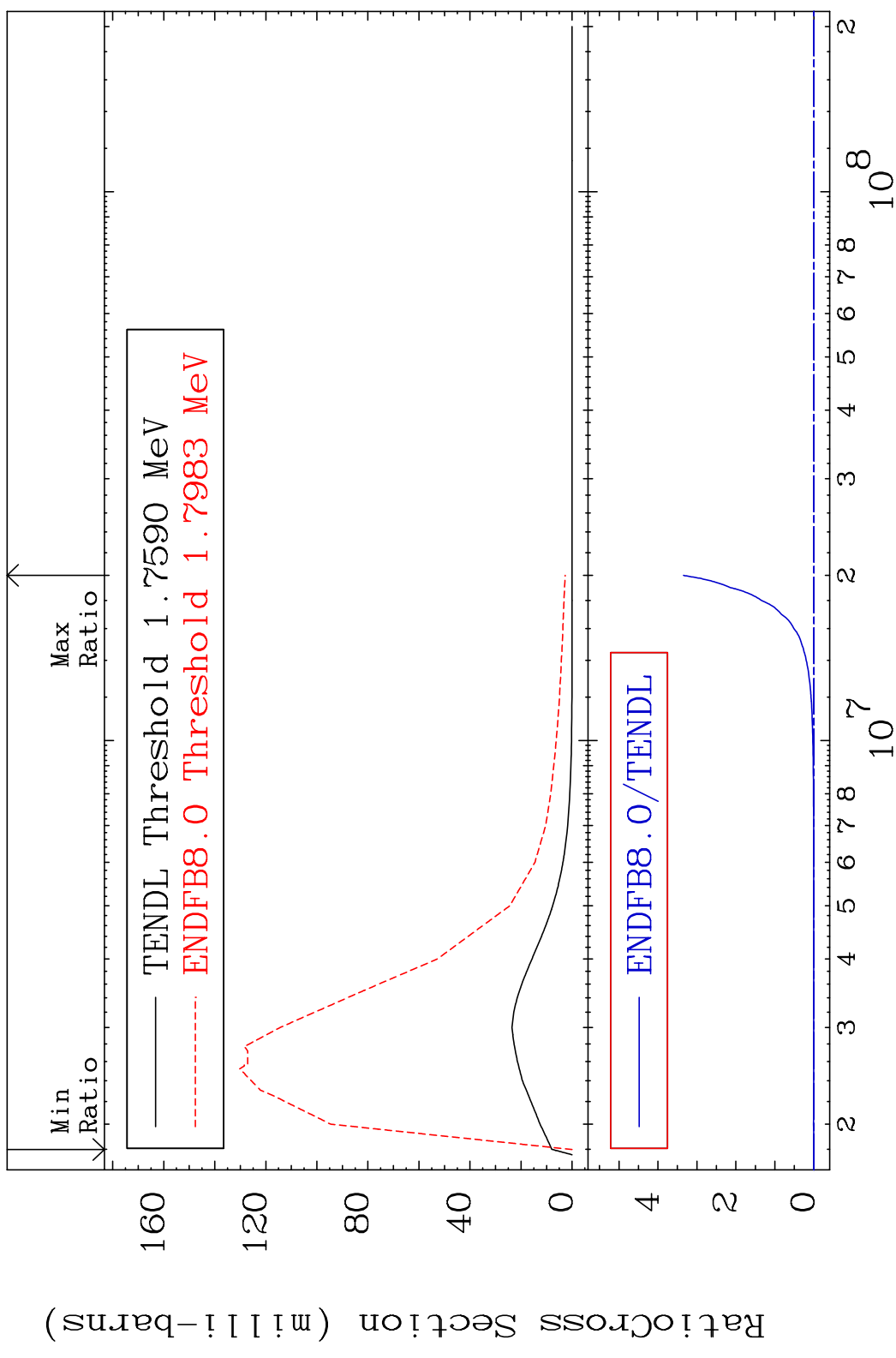
10 Incident Energy (eV) 22-Ti-49

MAT 2234 MT= 55 (n, n') Level 22-Ti-49  
 Cross Section -100.0 To -82.67%



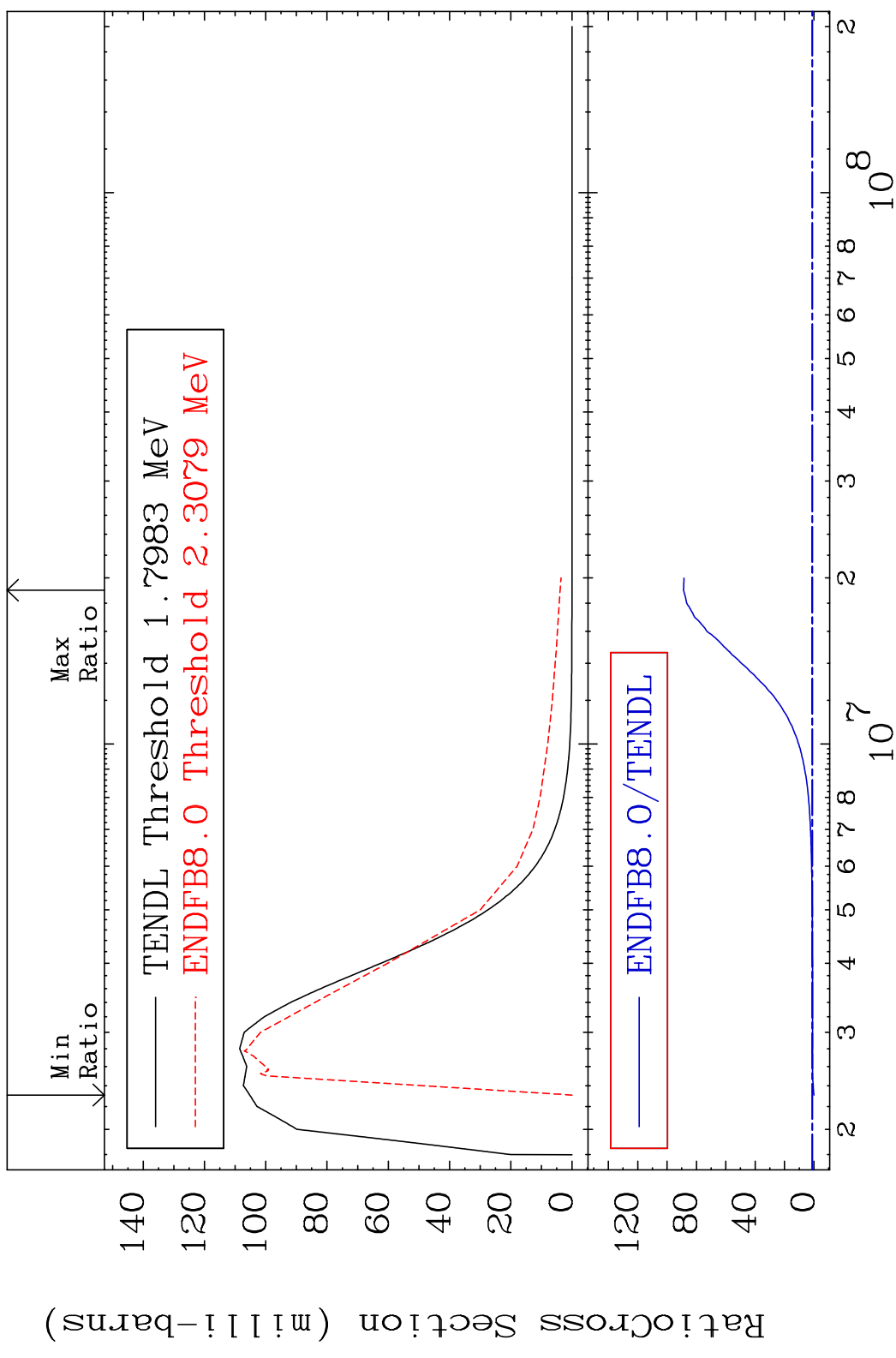
11 Incident Energy (eV) 22-Ti-49

MAT 2234 MT= 56 (n, n') Level 22-Ti-49  
 Cross Section -100.0 To 9999. %



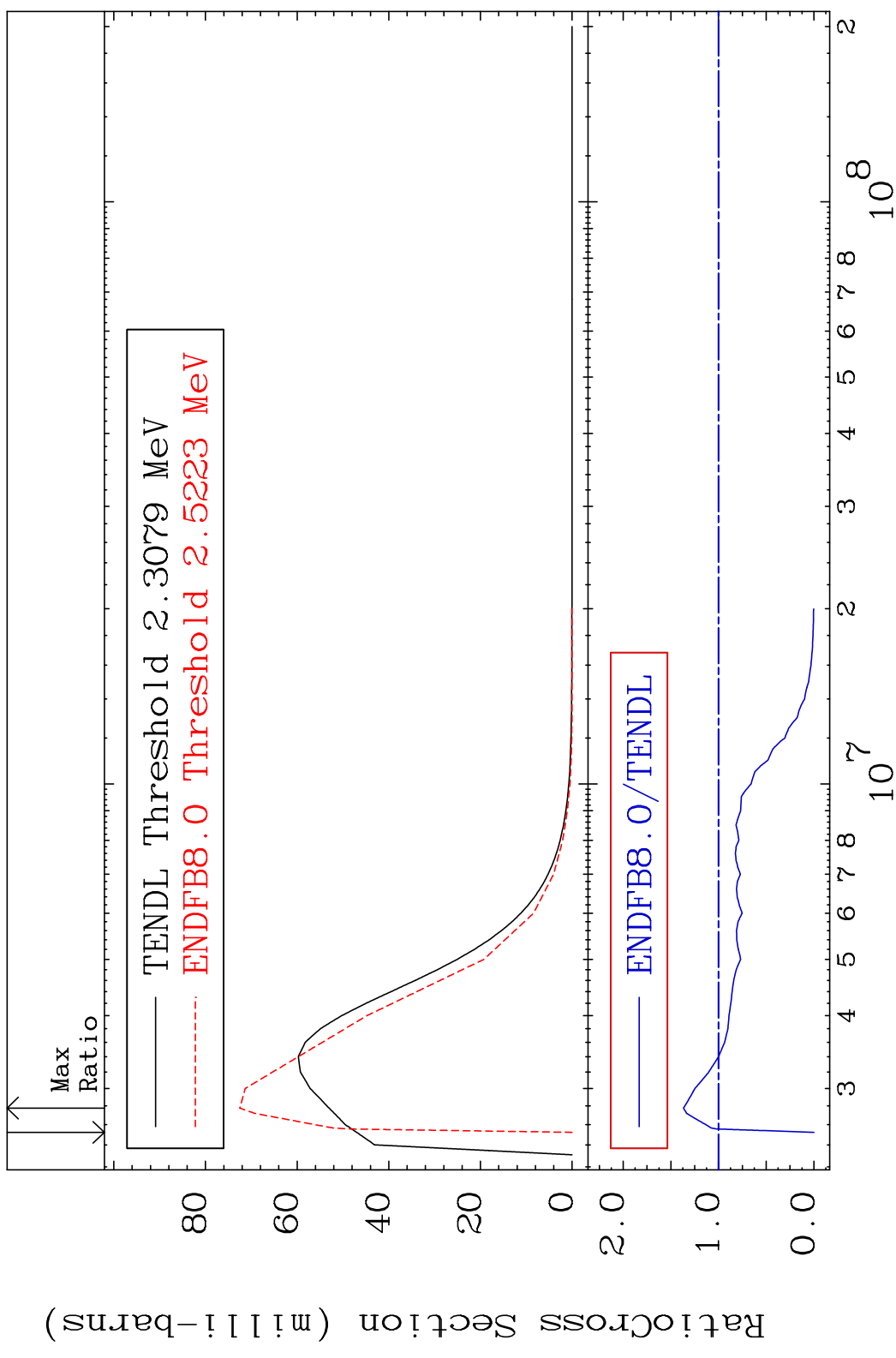
12 Incident Energy (eV) 22-Ti-49

MAT 2234 MT= 57 (n, n') Level 22-Ti-49  
 Cross Section -100.0 To 8784. %



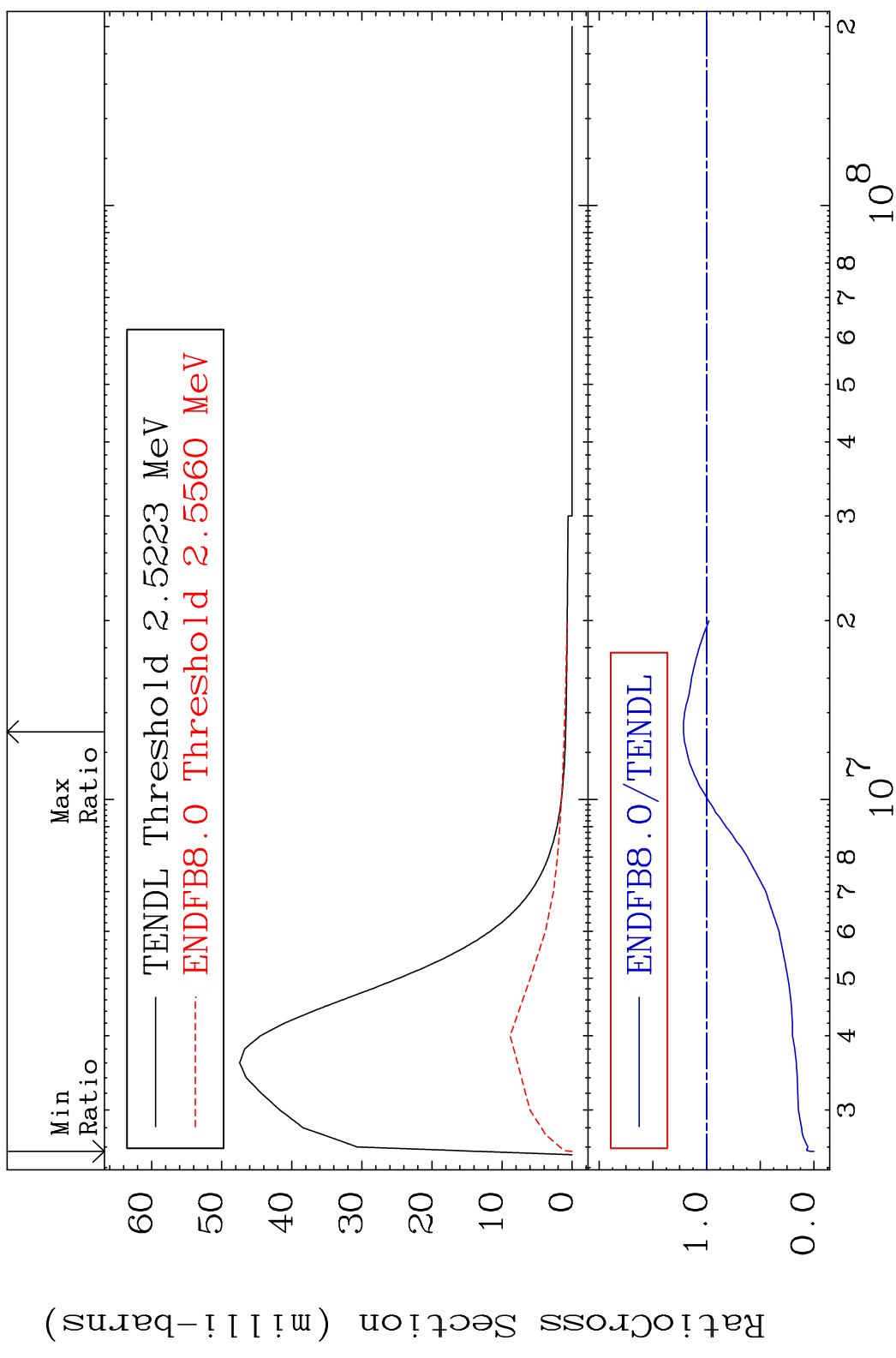
13 Incident Energy (eV) 22-Ti-49

MAT 2234 MT= 58 (n, n') Level 22-Ti-49  
 Cross Section -100.0 To 36.79 %



14 Incident Energy (eV) 22-Ti-49

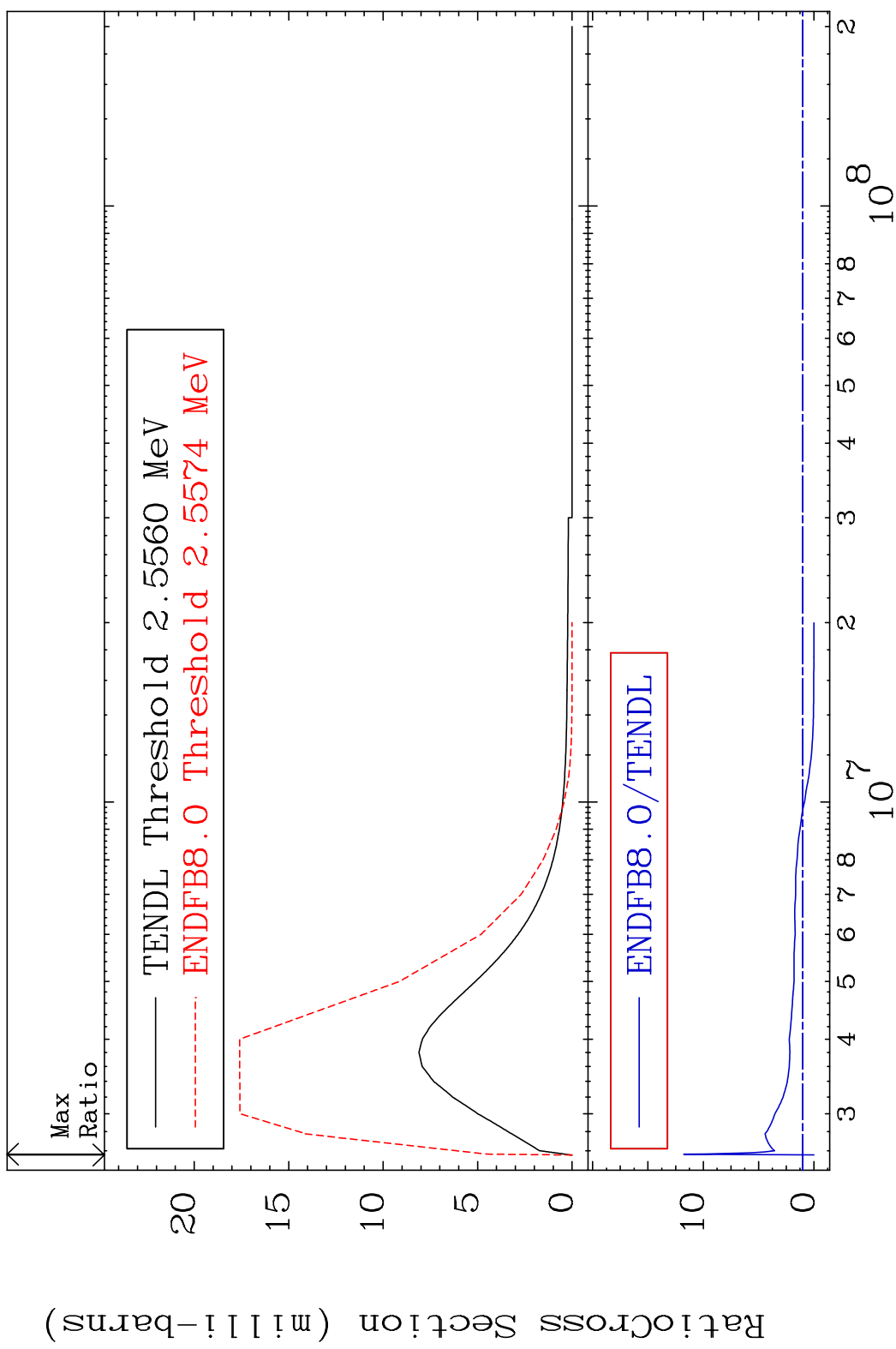
MAT 2234 MT= 59 (n, n') Level 22-Ti-49  
 Cross Section -100.0 To 21.50 %



15 Incident Energy (eV) 22-Ti-49

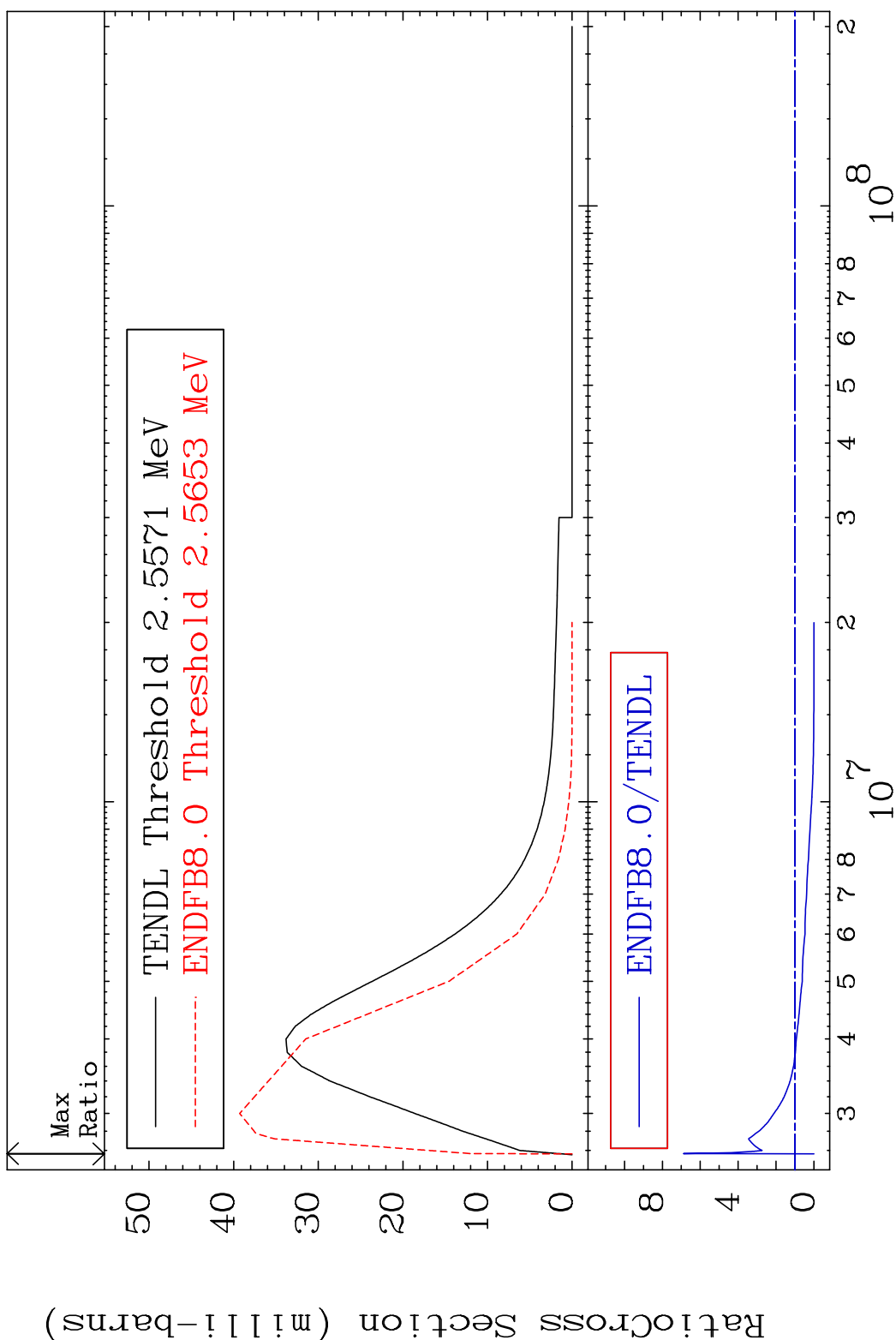


MAT 2234 MT= 60 (n, n') Level 22-Ti-49  
 Cross Section -100.0 To 1079. %



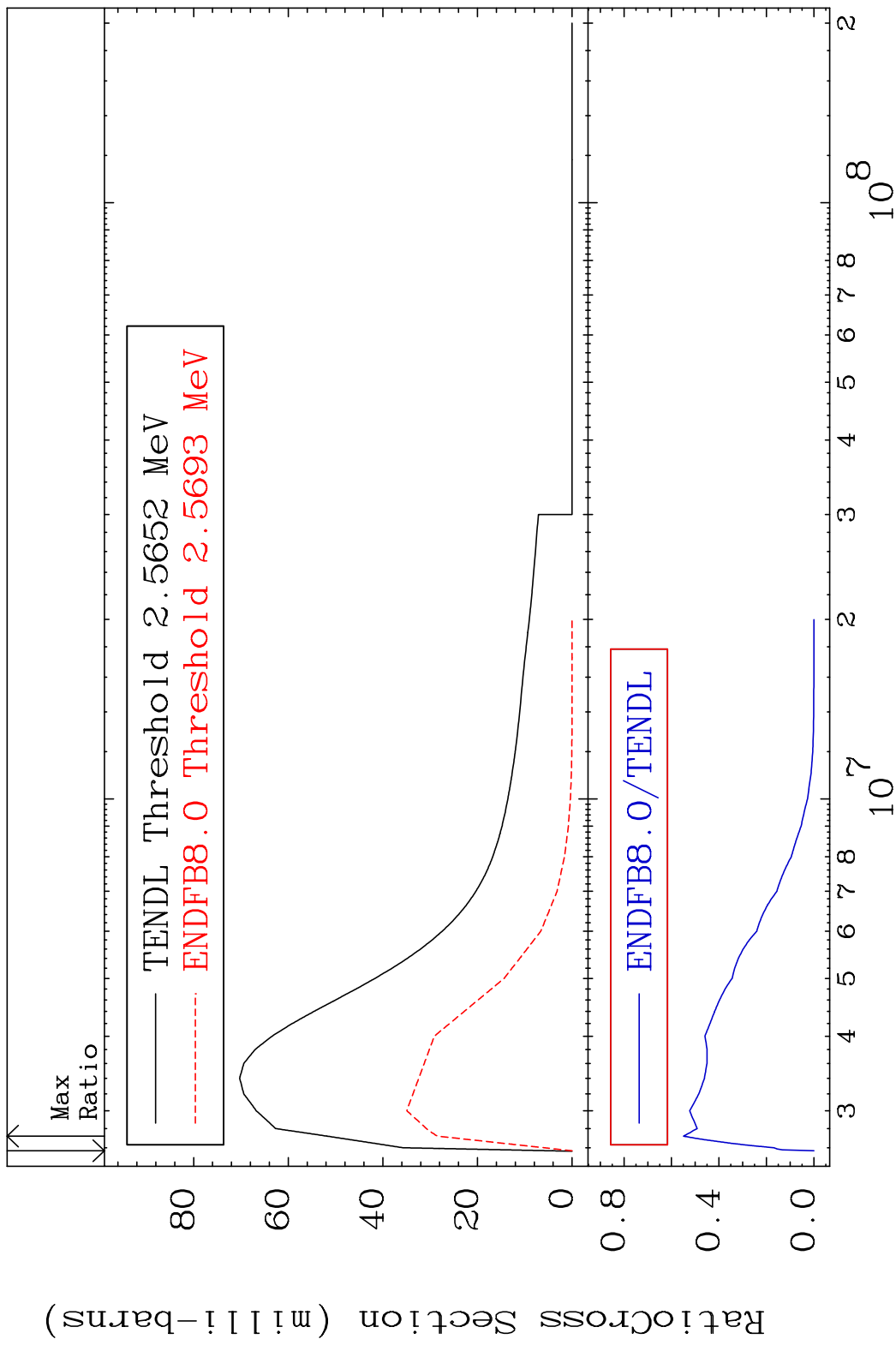
16 Incident Energy (eV) 22-Ti-49

MAT 2234 MT= 61 (n, n') Level 22-Ti-49  
 Cross Section -100.0 To 588.7 %



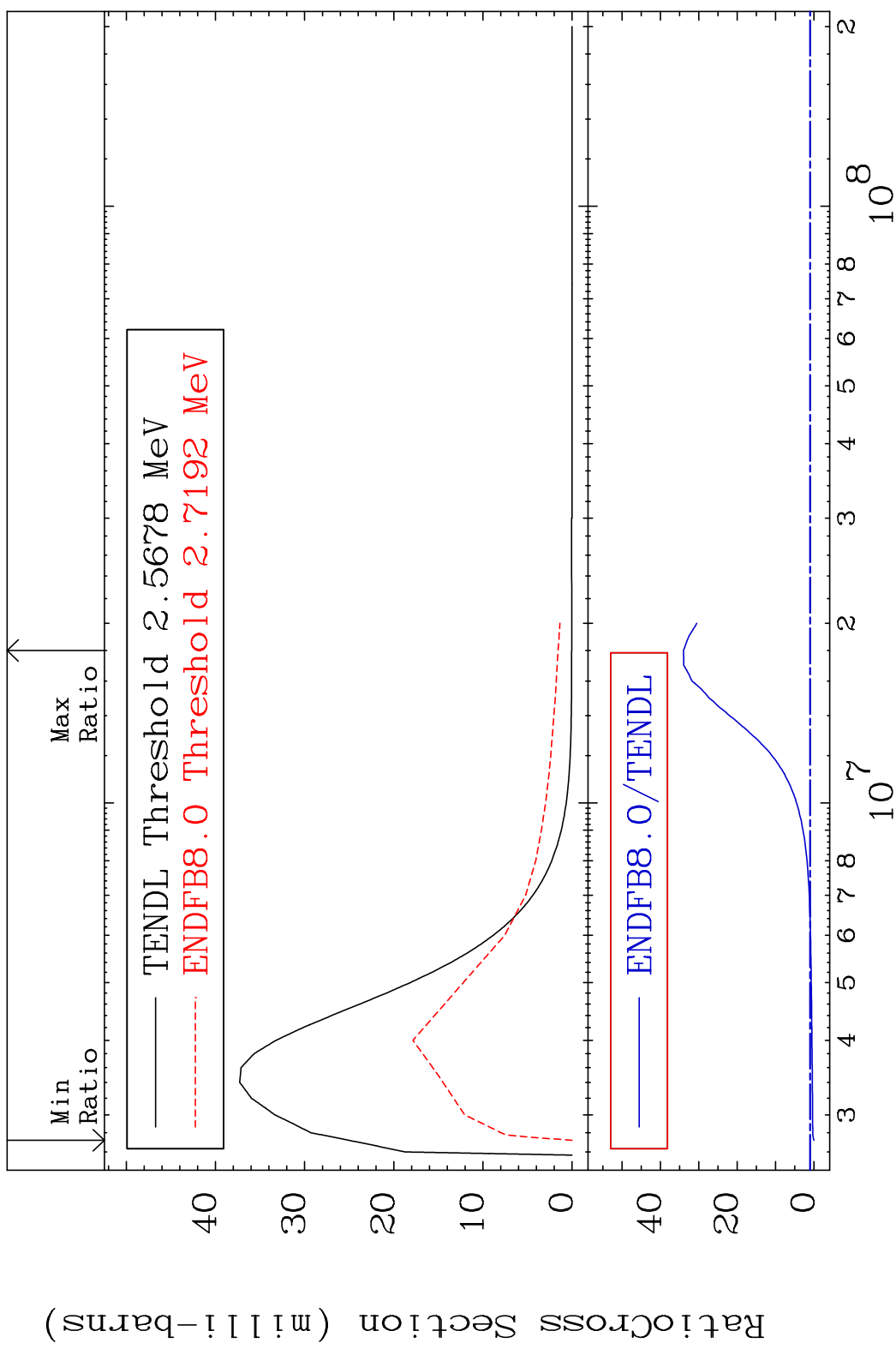
17 Incident Energy (eV) 22-Ti-49

MAT 2234 MT= 62 (n, n') Level 22-Ti-49  
 Cross Section -100.0 To -45.04%



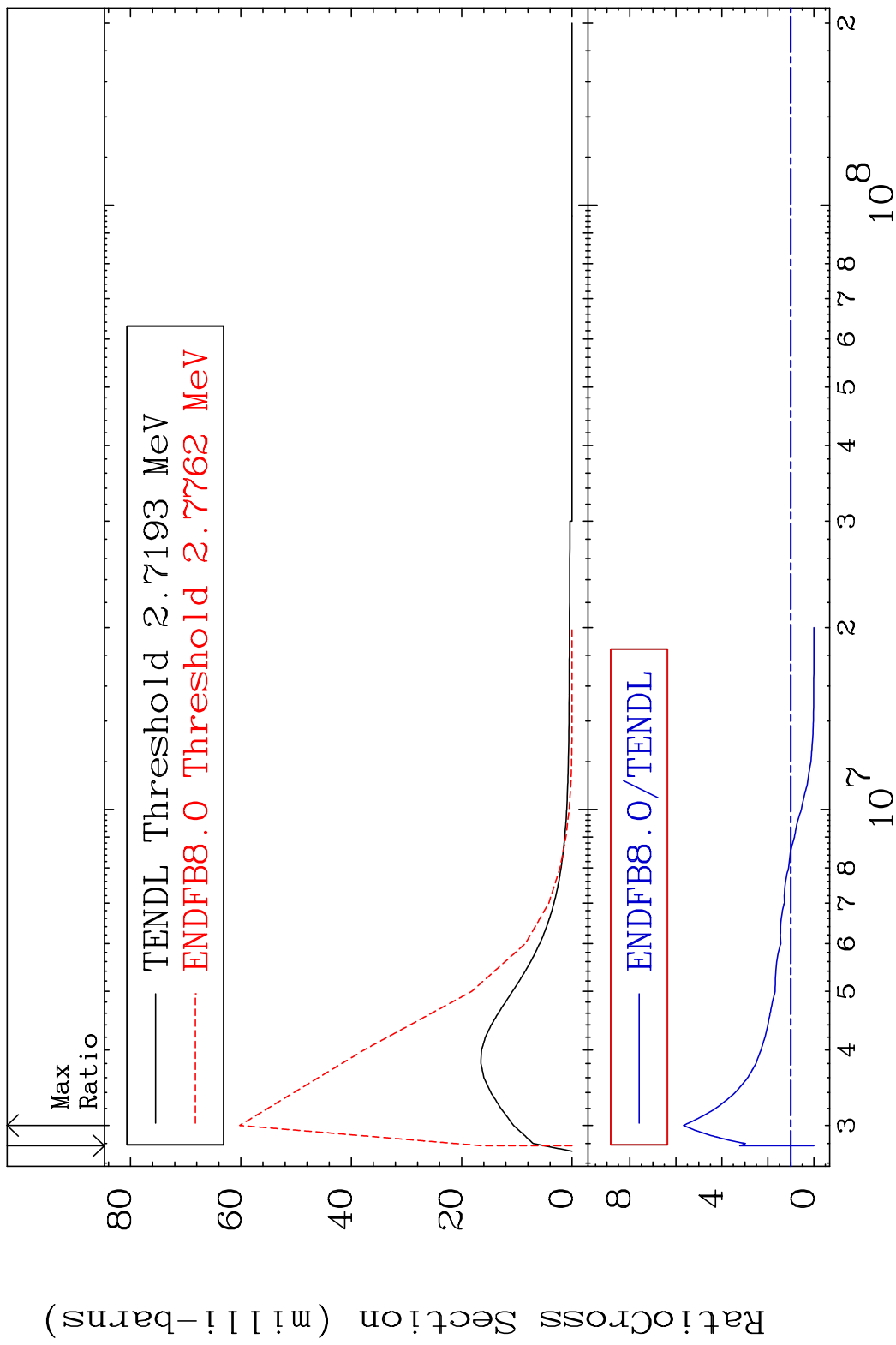
18 22-Ti-49

MAT 2234 MT= 63 (n, n') Level 22-Ti-49  
 Cross Section -100.0 To 3298. %



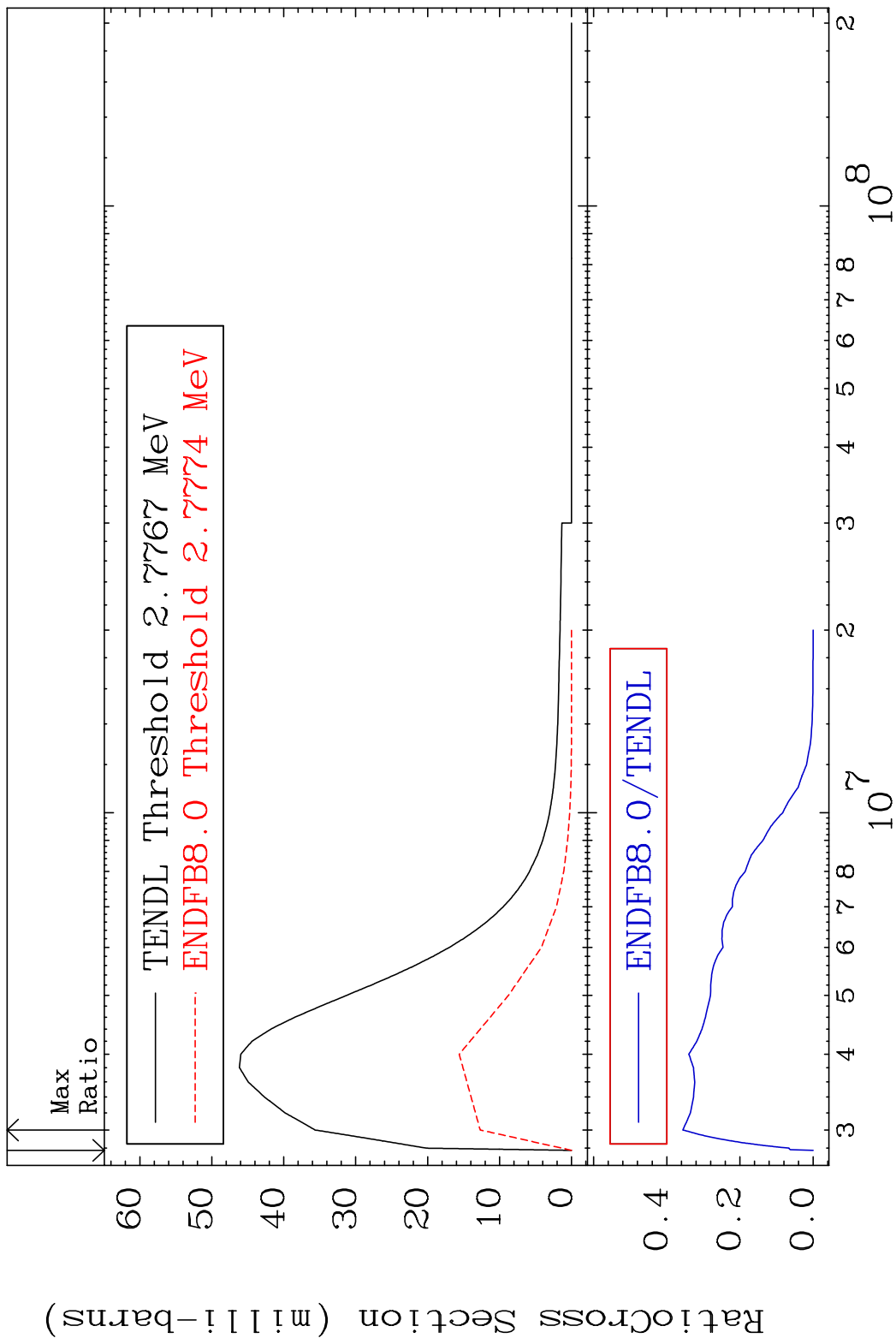
19 22-Ti-49

MAT 2234 MT= 64 (n, n') Level 22-Ti-49  
 Cross Section -100.0 To 467.2 %



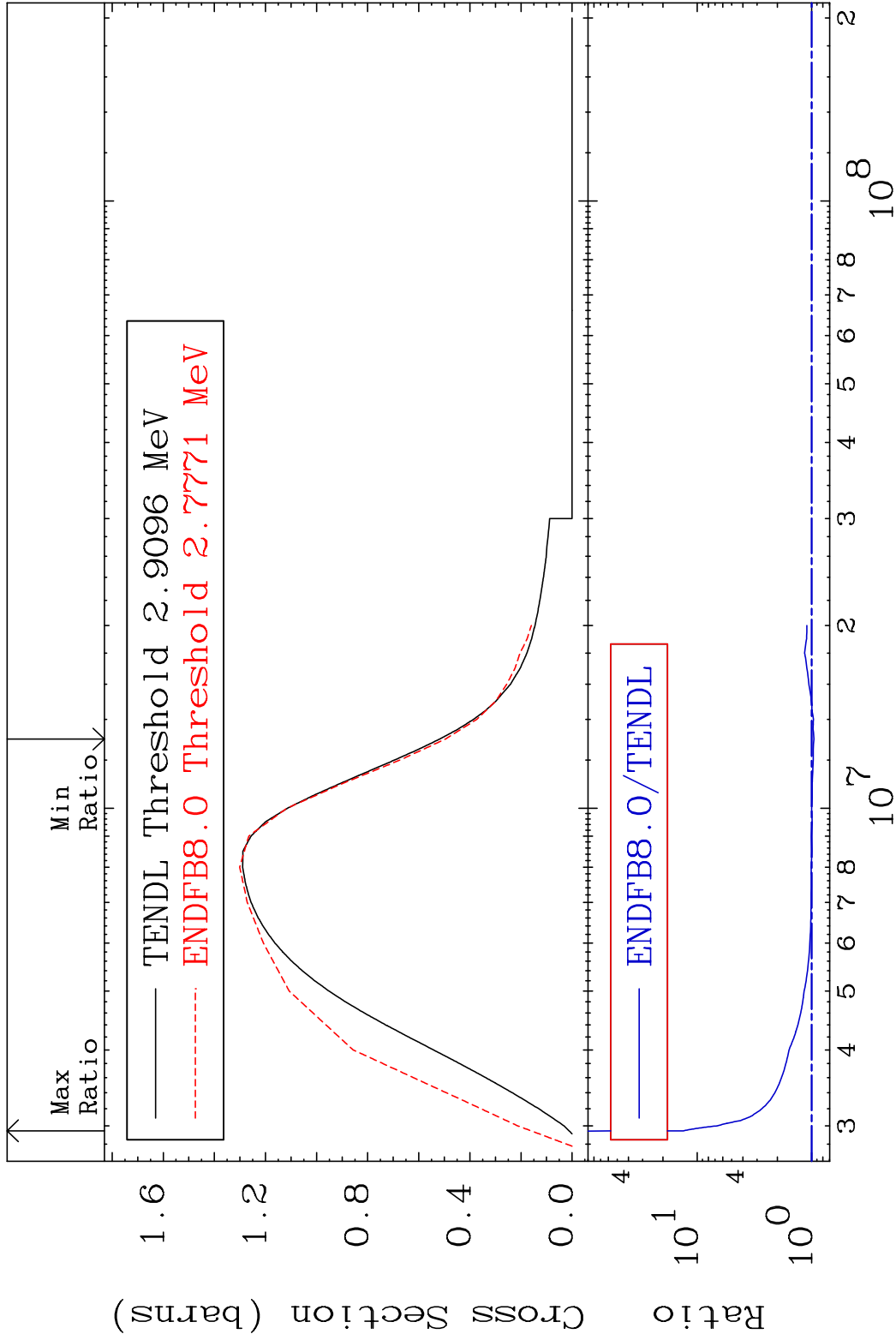
20 Incident Energy (eV) 22-Ti-49

MAT 2234 MT= 65 (n, n') Level 22-Ti-49  
 Cross Section -100.0 To -64.38%

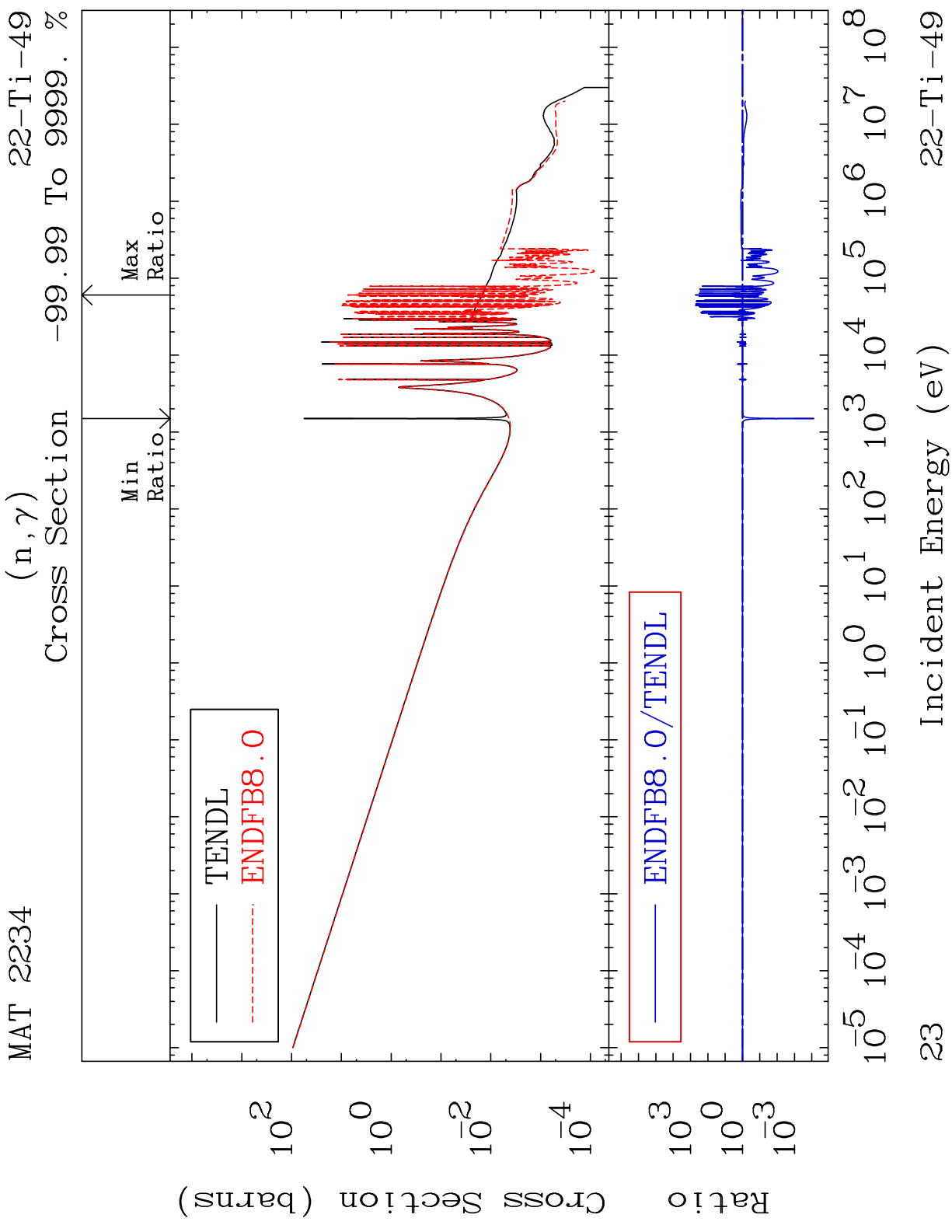


21 Incident Energy (eV) 22-Ti-49

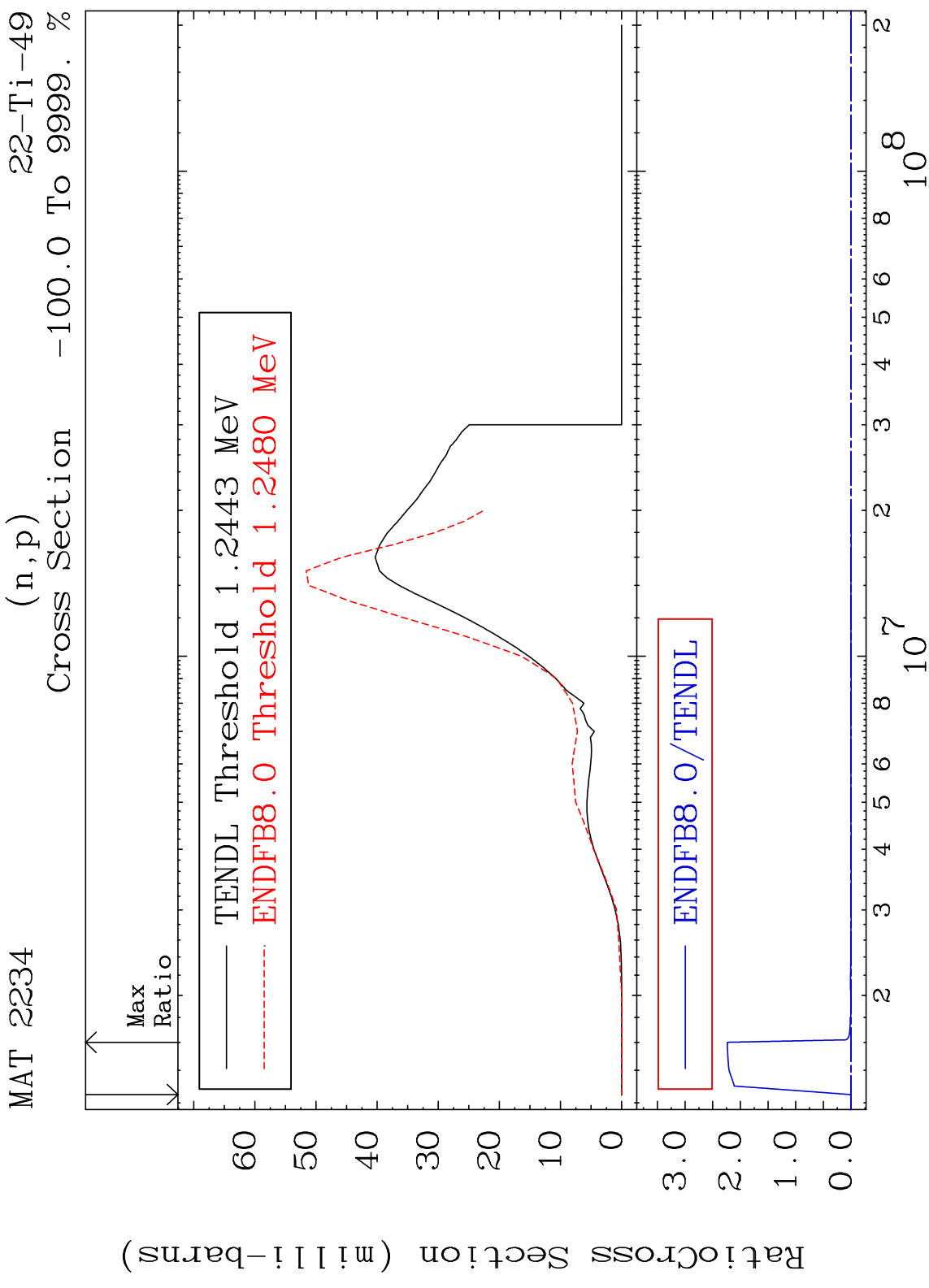
MAT 2234 (n,n') Continuum 22-Ti-49  
 Cross Section -4.268 To 1221. %



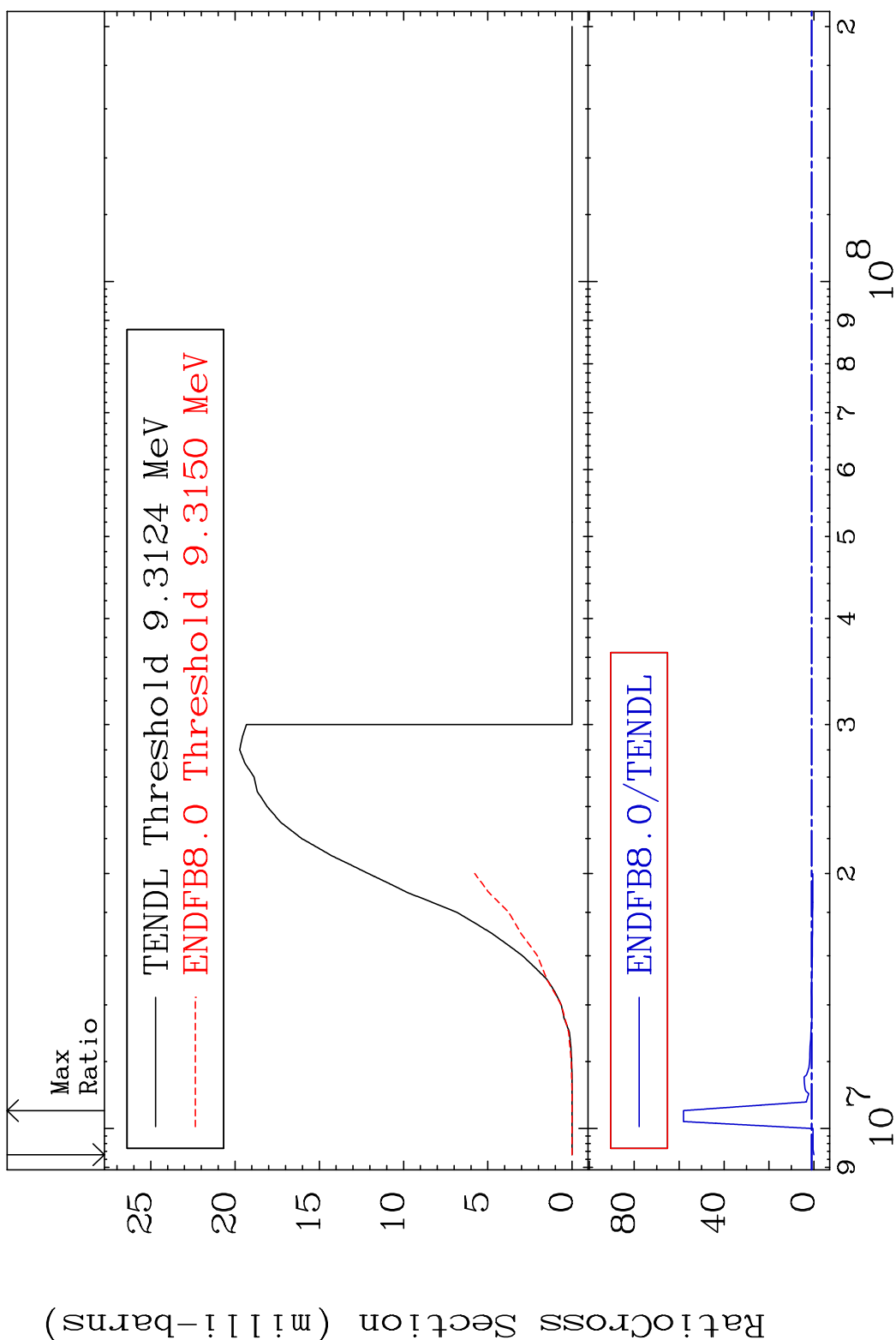
22 Incident Energy (eV) 22-Ti-49





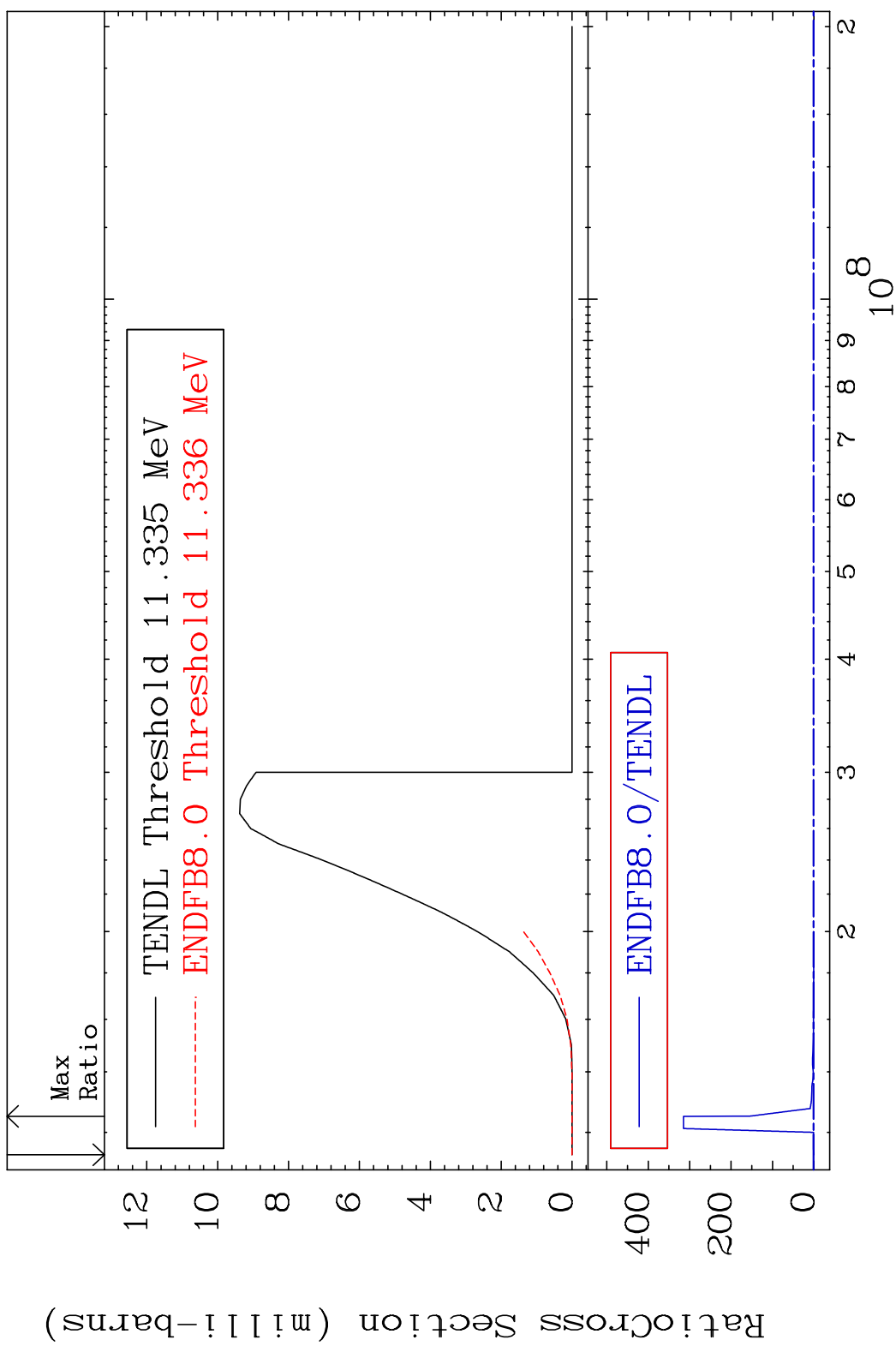


MAT 2234 (n, d) 22-Ti-49  
Cross Section -100.0 To 5709. %



25 22-Ti-49

MAT 2234 (n, t) 22-Ti-49  
 Cross Section -100.0 To 9999. %



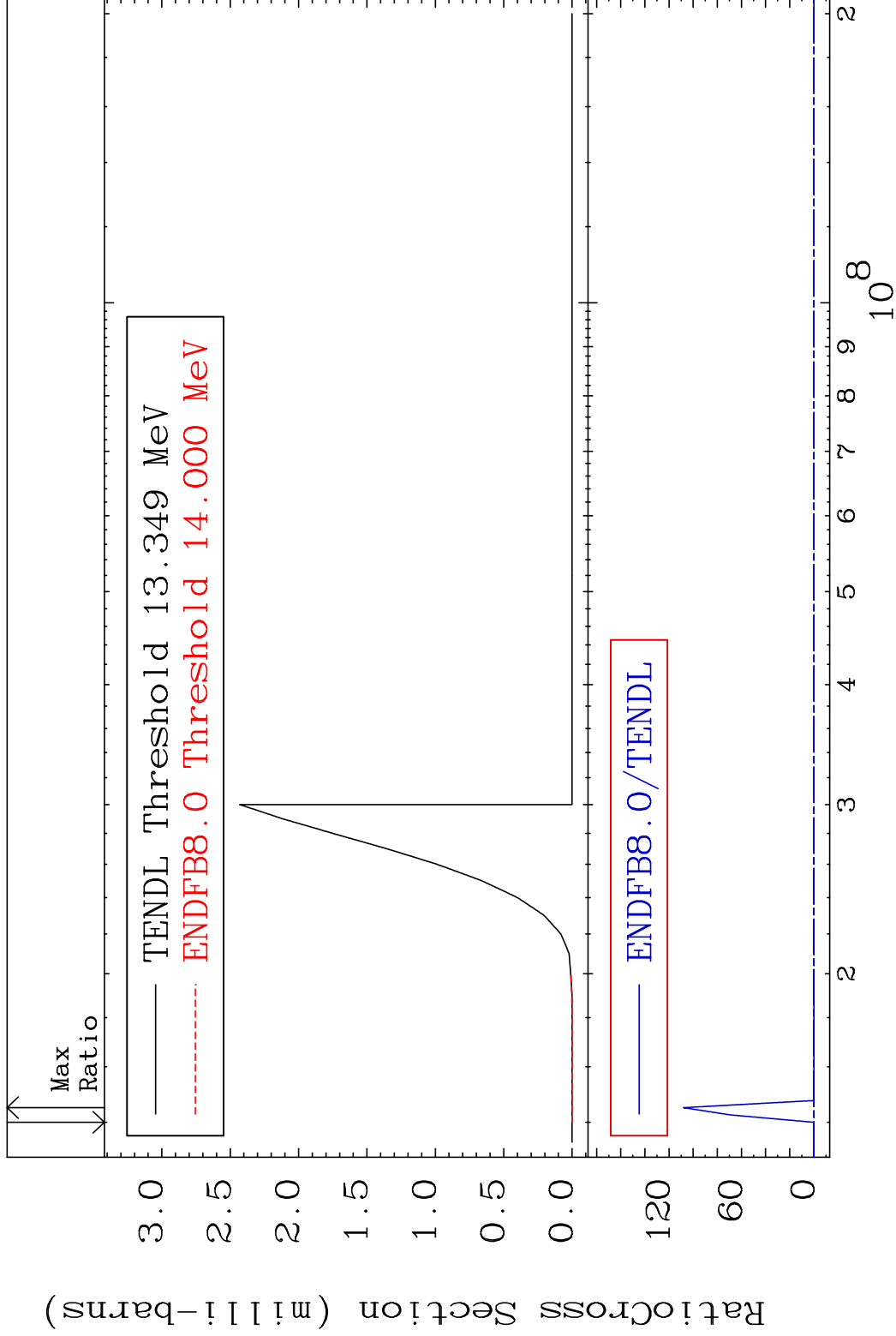
26 Incident Energy (eV) 22-Ti-49

MAT 2234

(n, He-3)

22-Ti-49

Cross Section -100.0 To 9999. %

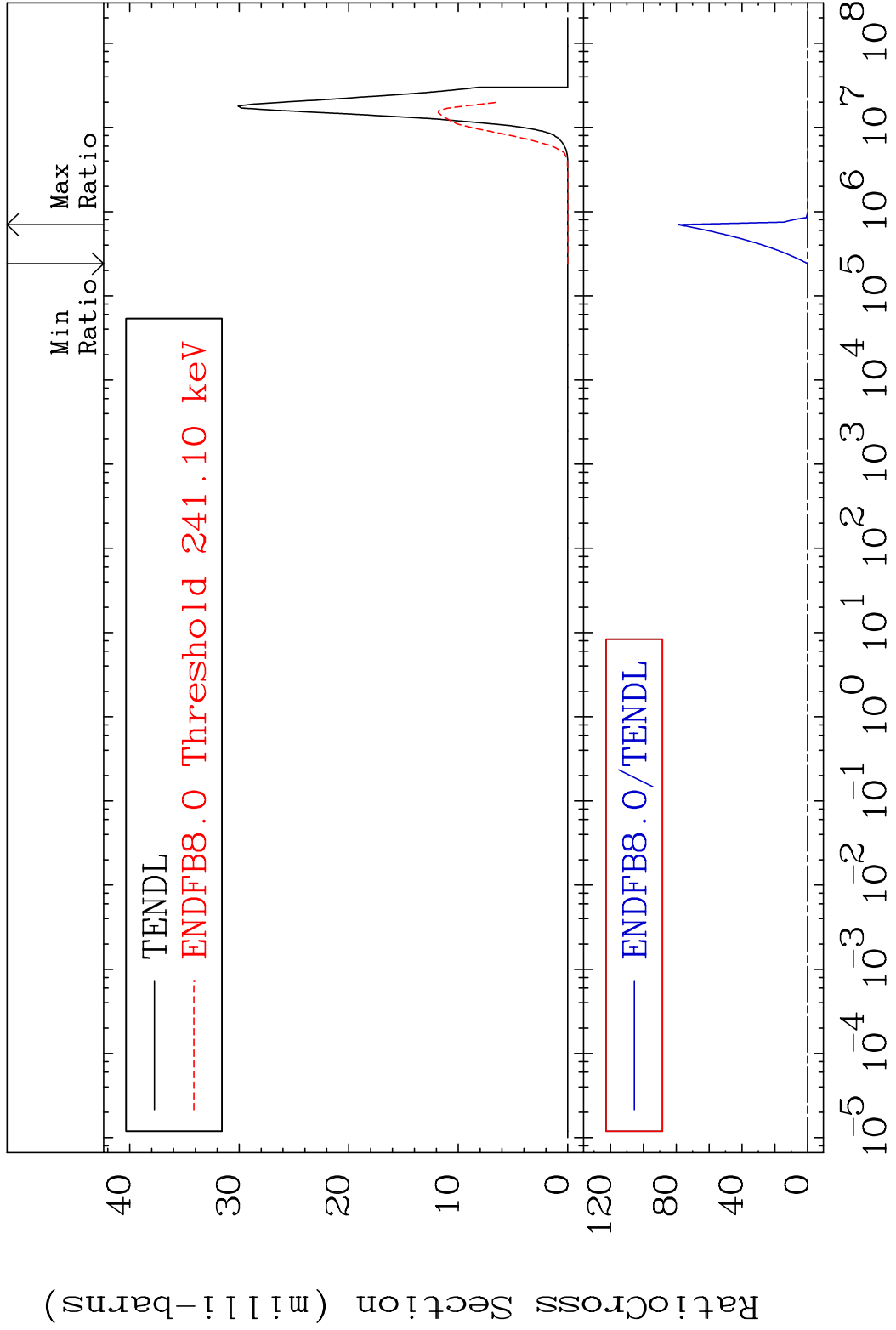


27

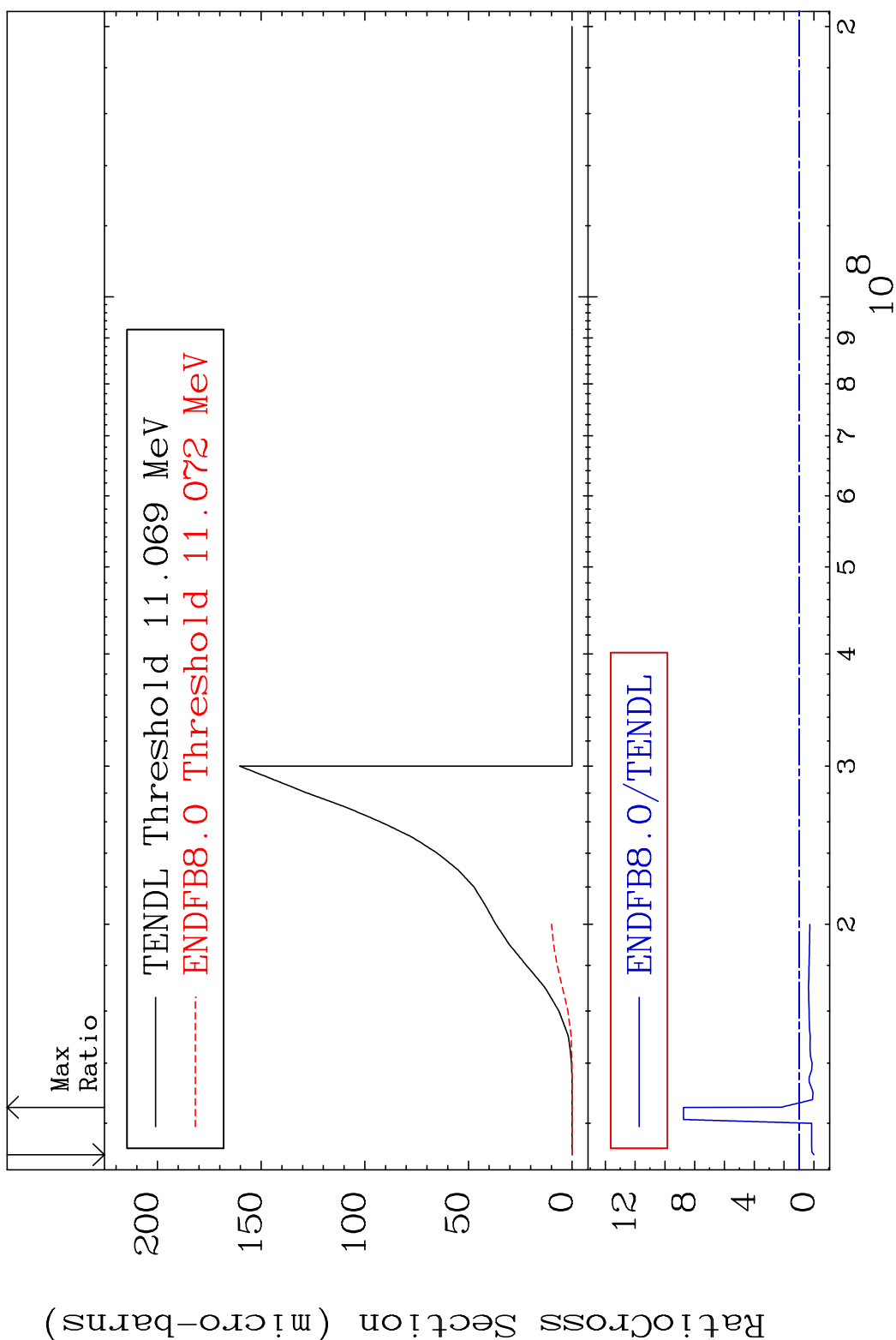
Incident Energy (eV)

22-Ti-49

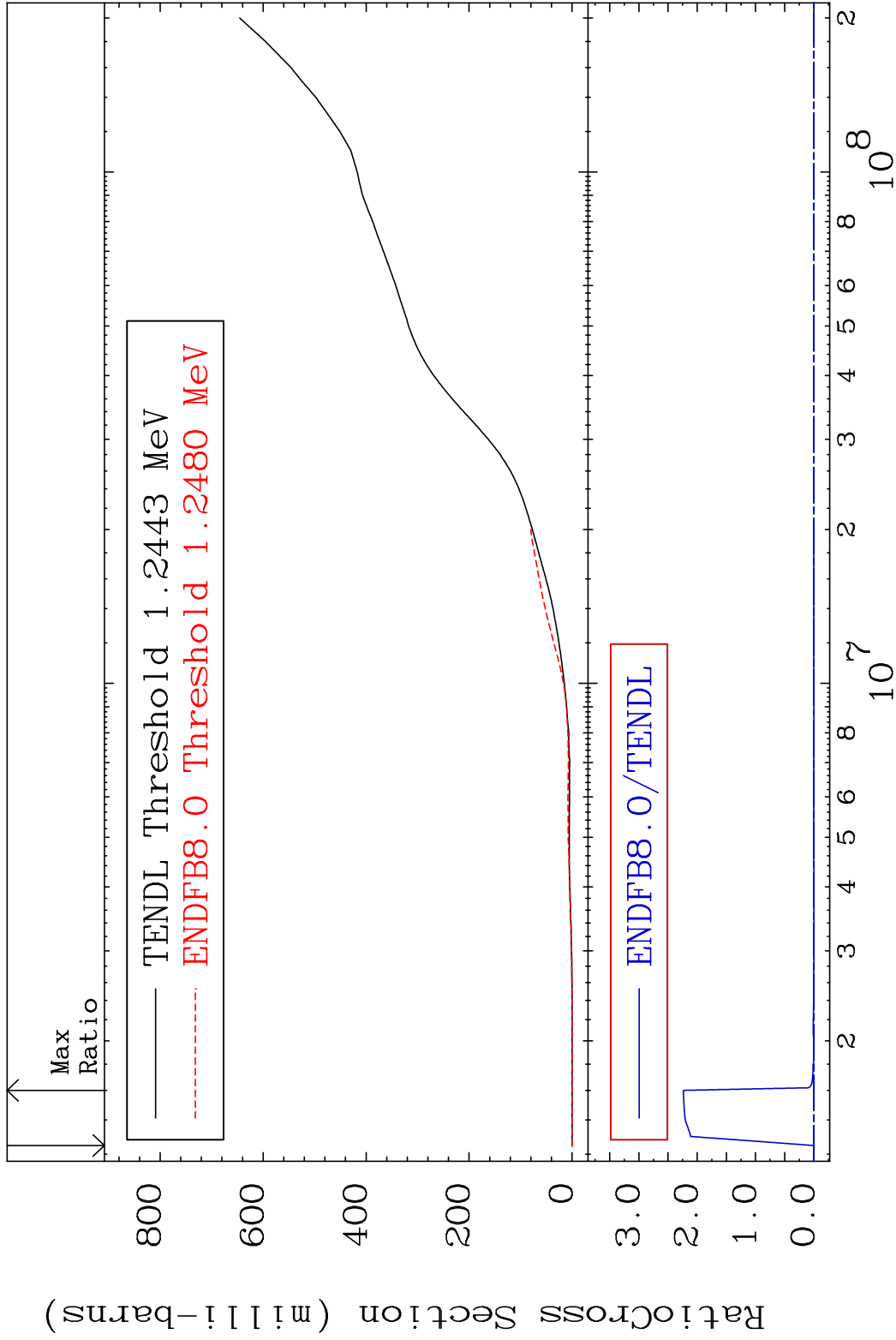
MAT 2234 (n,  $\alpha$ ) 22-Ti-49  
 Cross Section -100.0 To 9999. %



MAT 2234 (n,2p) 22-Ti-49  
 Cross Section -100.0 To 775.4 %

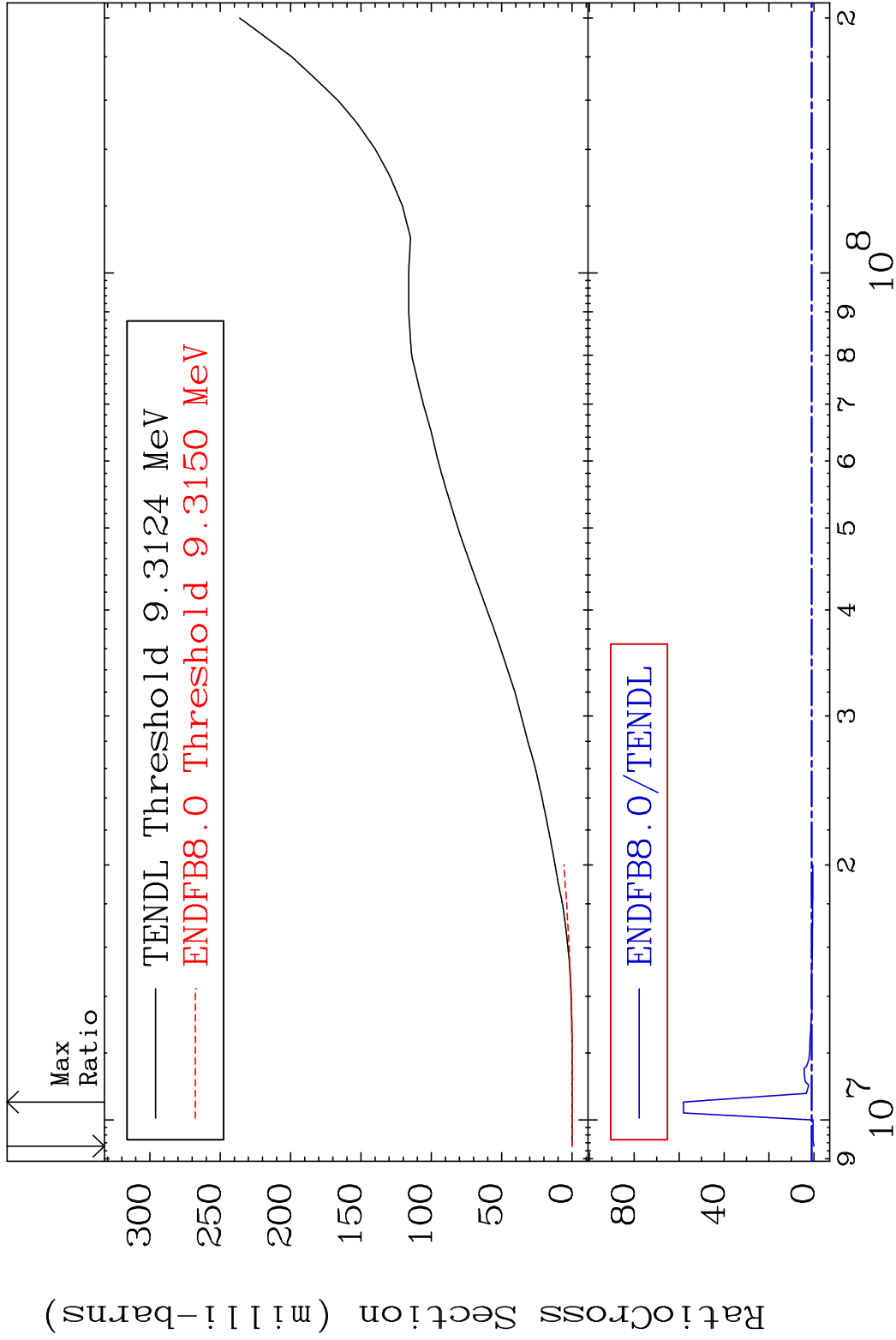


MAT 2234 Hydrogen Production 22-Ti-49  
 Cross Section -100.0 To 9999. %



30 22-Ti-49

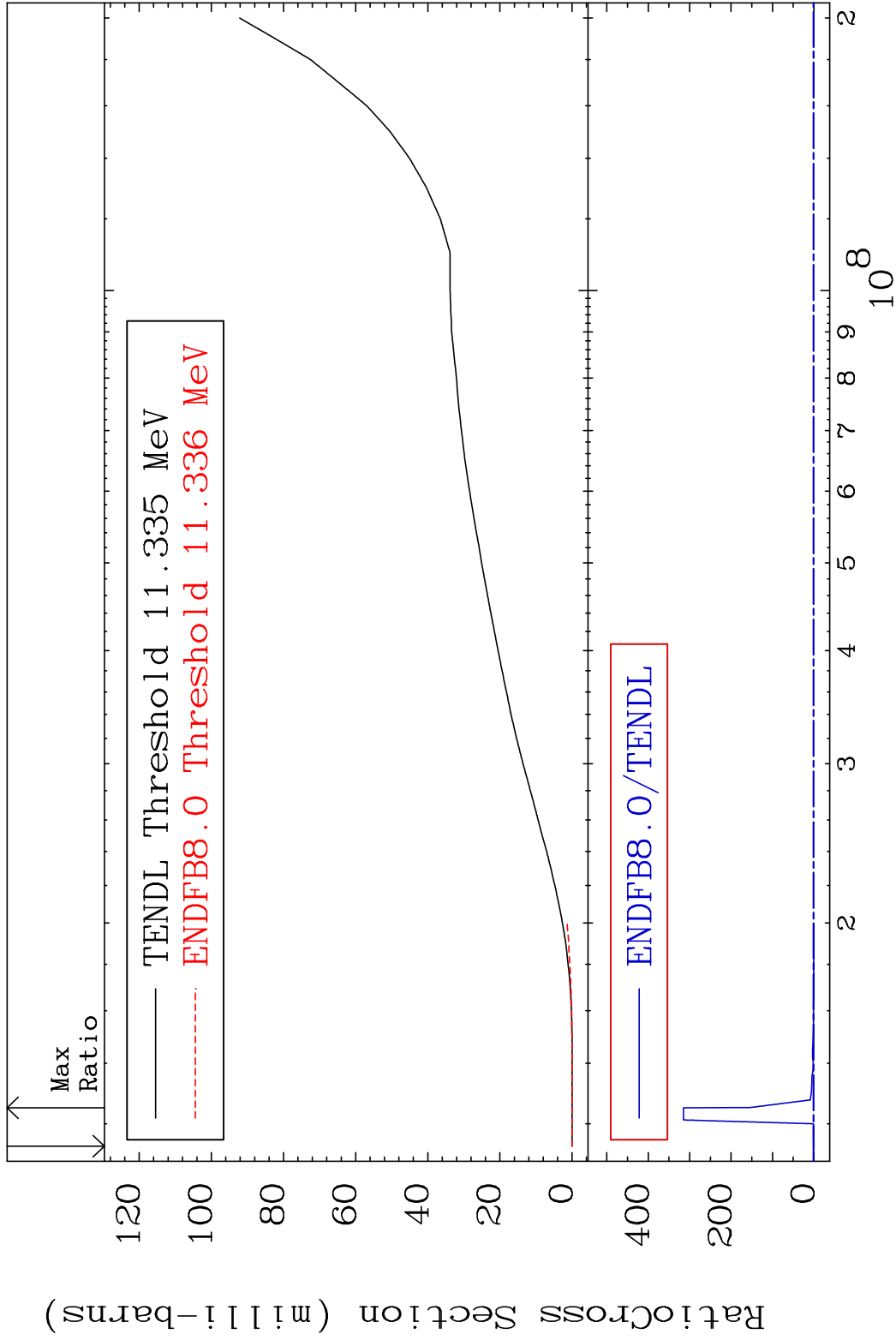
MAT 2234 Deuterium Production 22-Ti-49  
 Cross Section -100.0 To 5709. %



31 Incident Energy (eV) 22-Ti-49

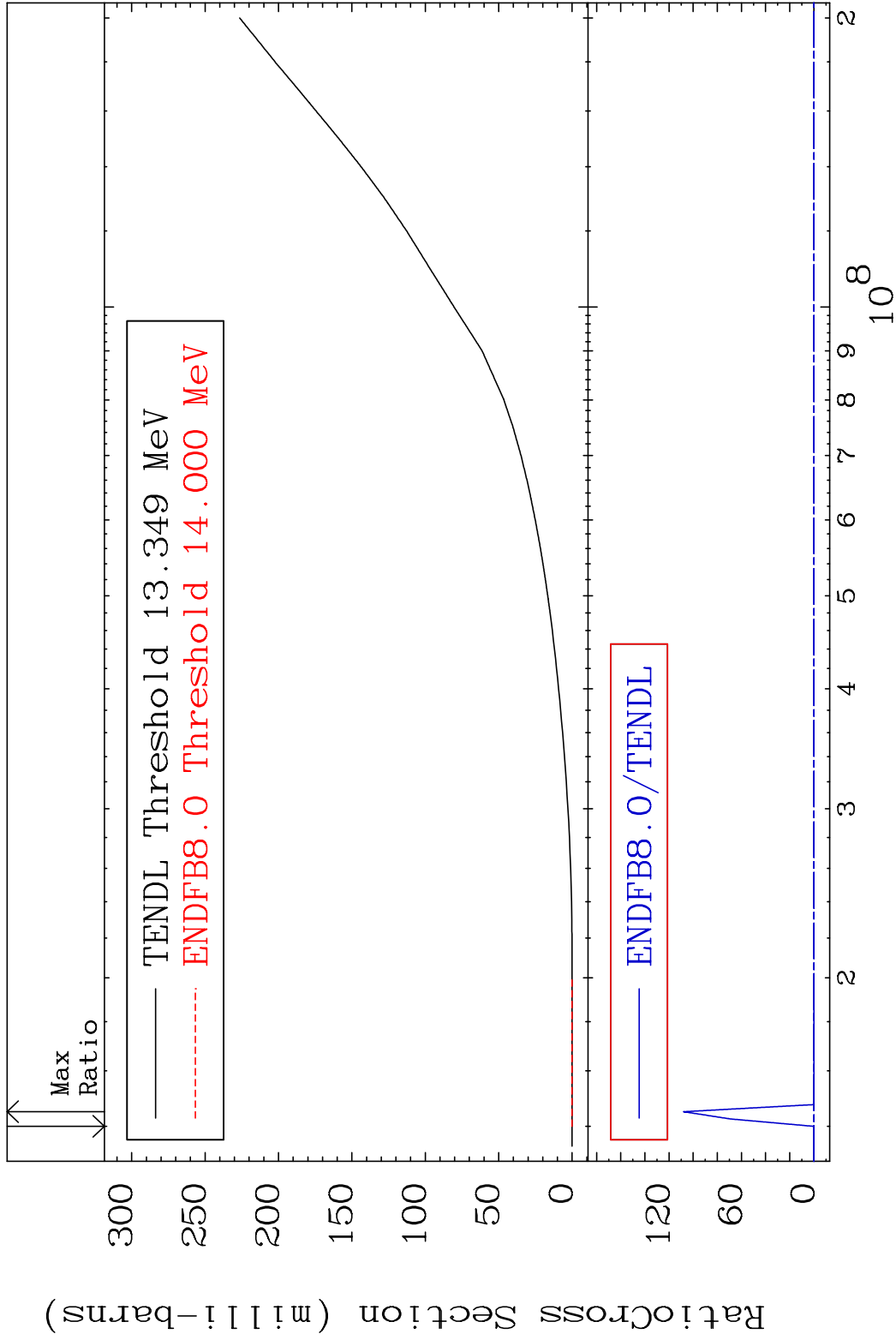


MAT 2234 Tritium Production 22-Ti-49  
 Cross Section -100.0 To 9999. %



32 Incident Energy (eV) 22-Ti-49

MAT 2234 He-3 Production 22-Ti-49  
 Cross Section -100.0 To 9999. %



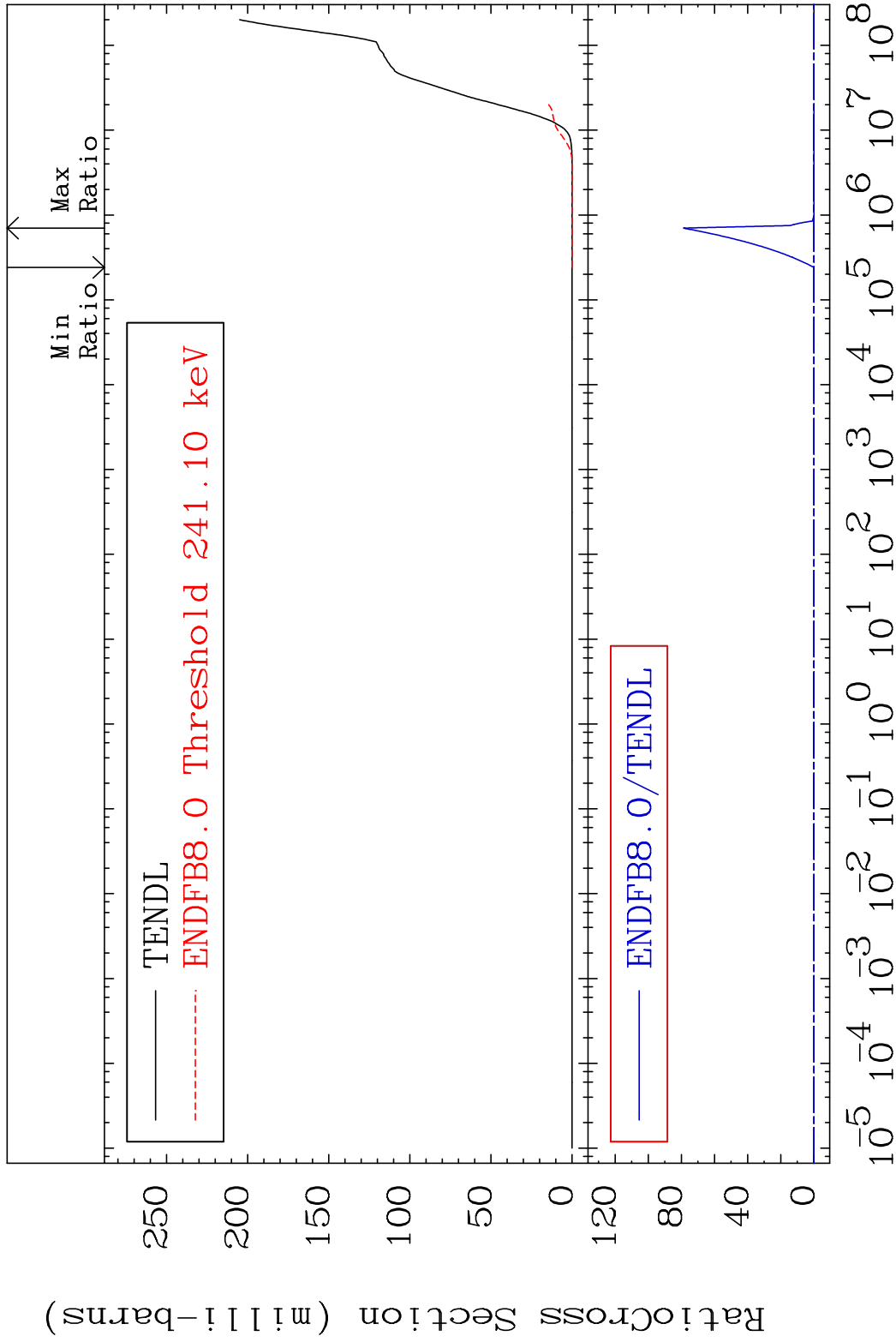
33 Incident Energy (eV) 22-Ti-49

MAT 2234

He-4 Production

22-Ti-49

Cross Section -100.0 To 9999. %

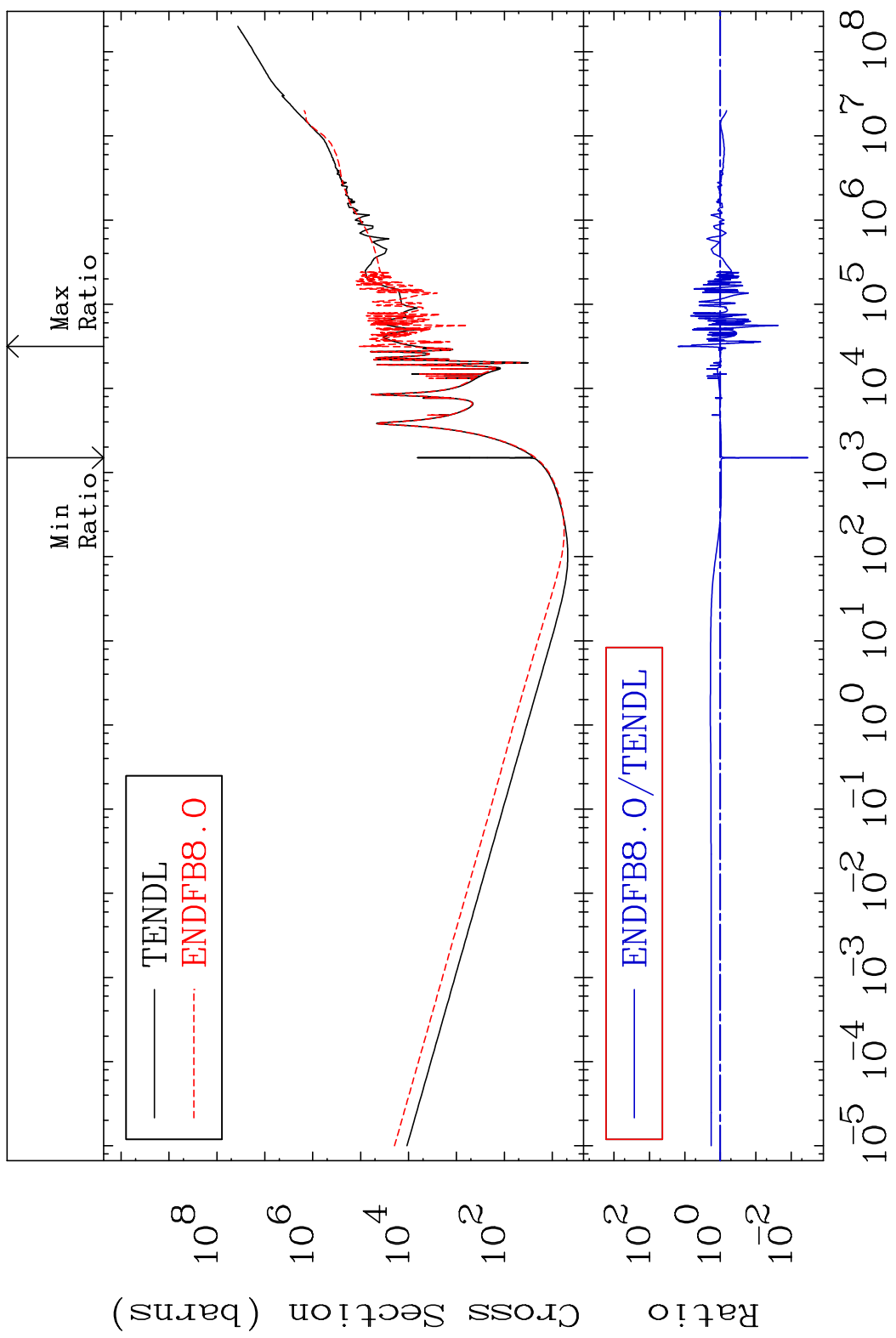


34

Incident Energy (eV)

22-Ti-49

MAT 2234 Kerma total (eV-barns) 22-Ti-49  
 Cross Section -99.66 To 1436. %

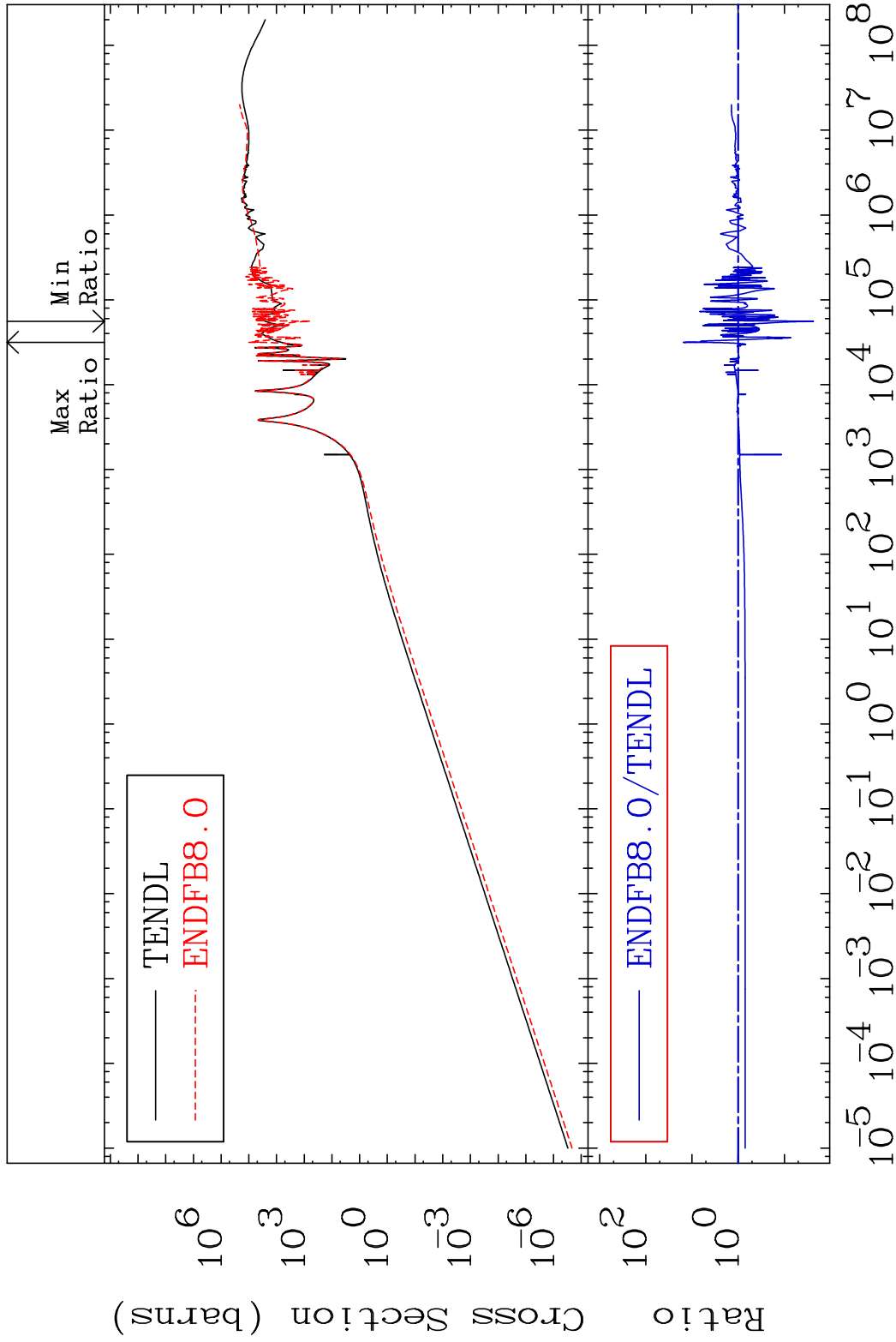


35 Incident Energy (eV) 22-Ti-49

MAT 2234

Kerma elastic  
Cross Section

22-Ti-49  
-97.70 To 1432. %

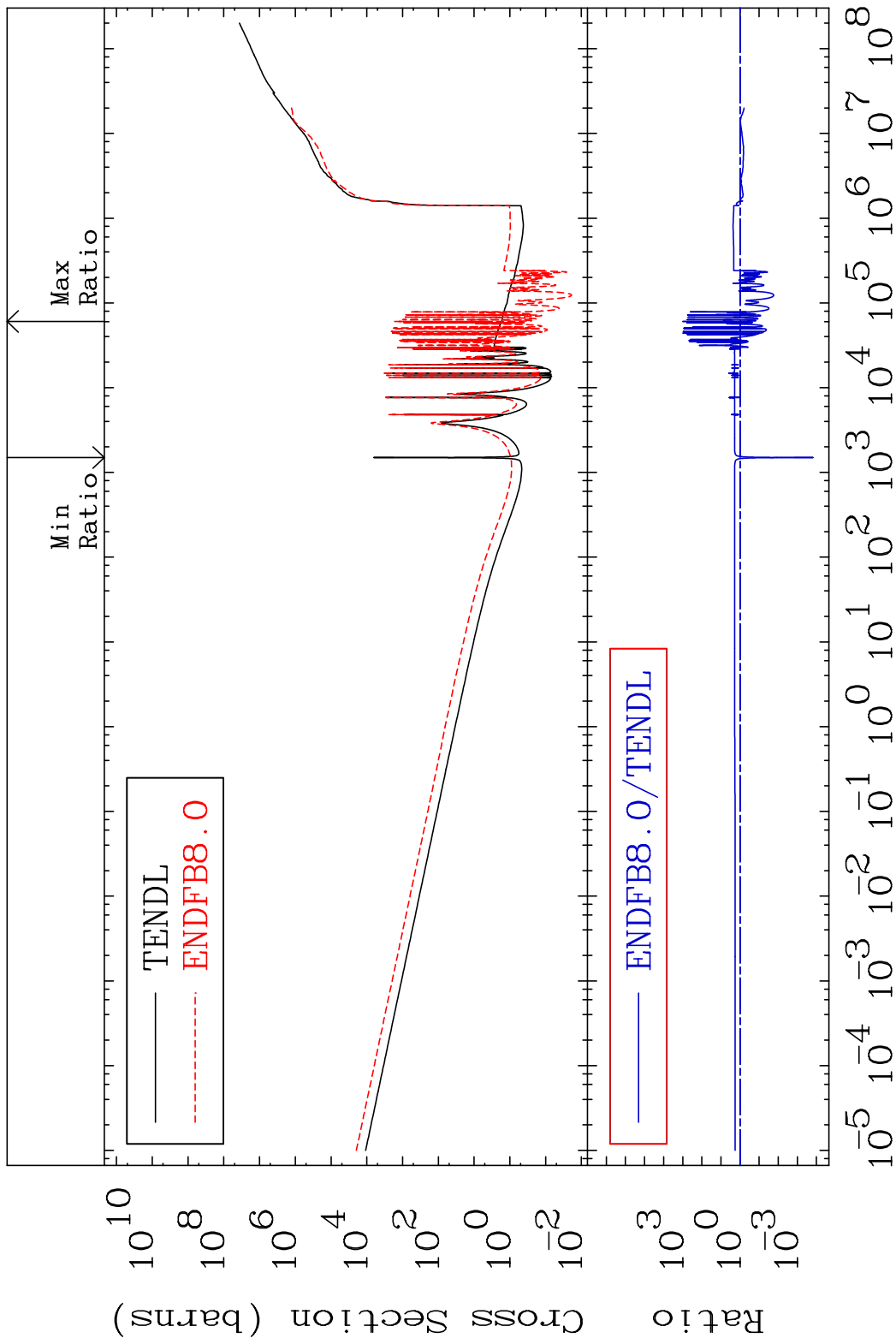


36

Incident Energy (eV)

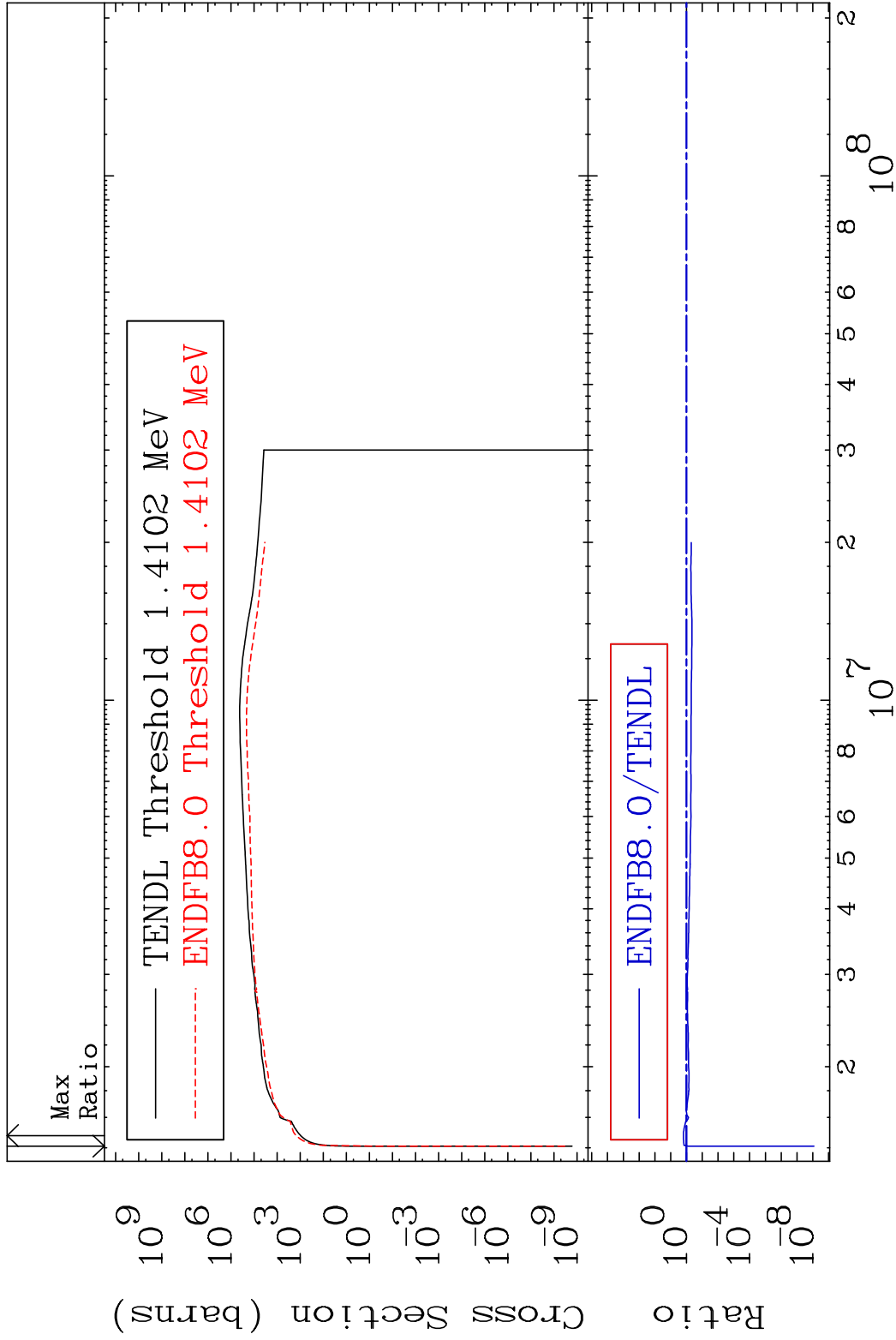
22-Ti-49

MAT 2234 Kerma non-elastic (all but mt2) 22-Ti-49  
 Cross Section -99.99 To 9999. %

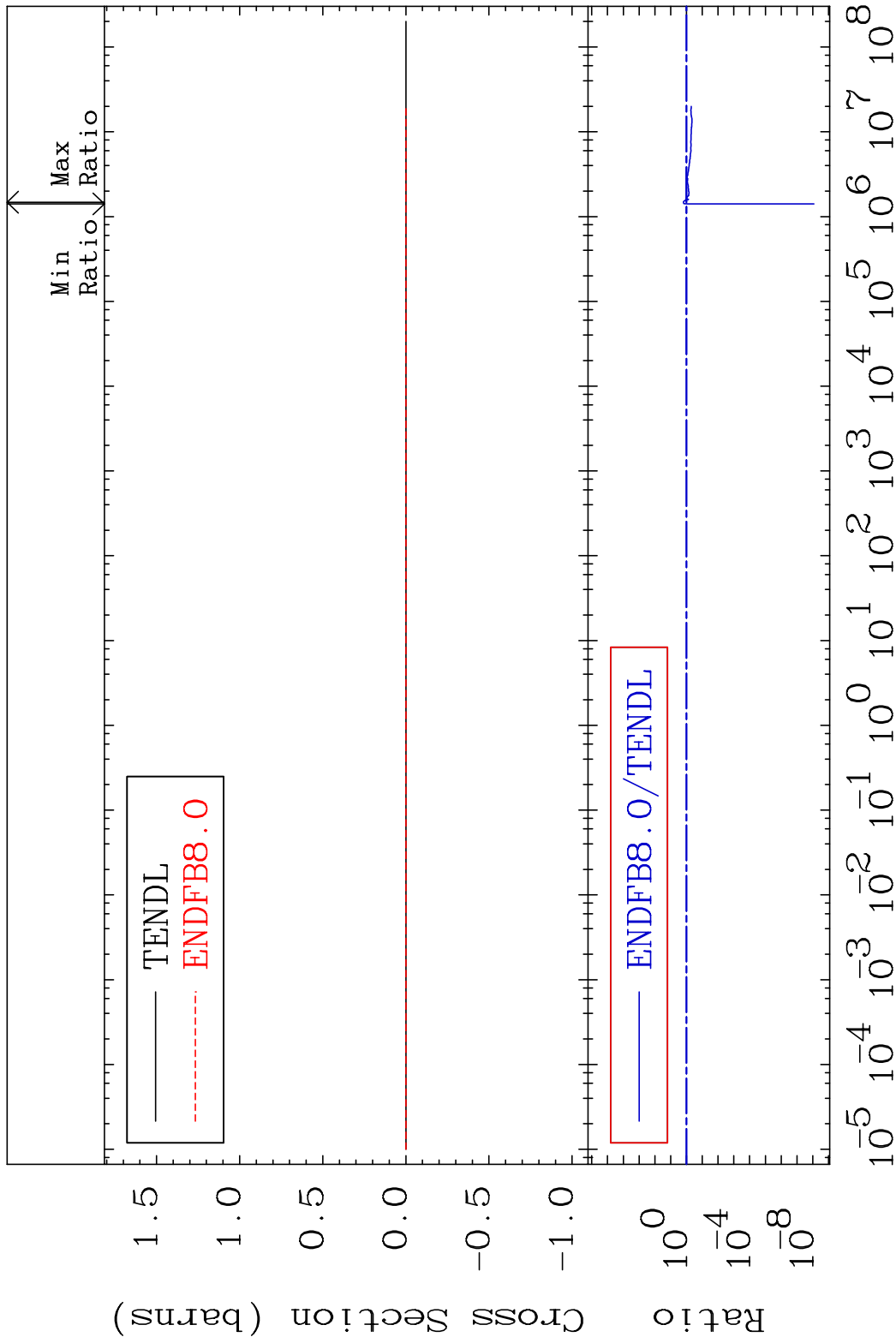


37 Incident Energy (eV) 22-Ti-49

MAT 2234 Kerma inelastic (mt51-91) 22-Ti-49  
 Cross Section -100.0 To 54.78 %



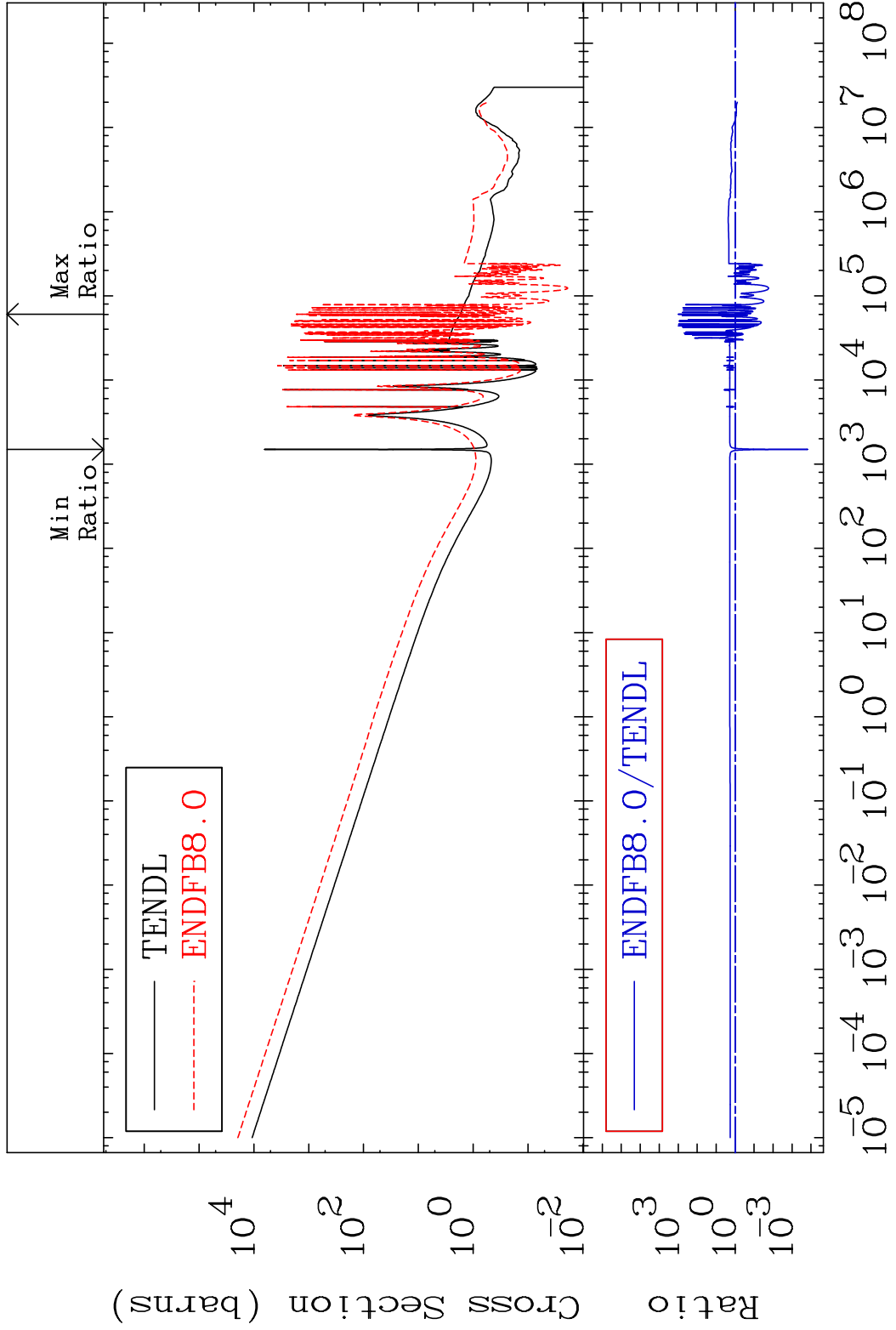
MAT 2234 Kerma fission (mt18 or mt19-20-21-38) 22-Ti-49  
 Cross Section -100.0 To 54.78 %



39 Incident Energy (eV) 22-Ti-49

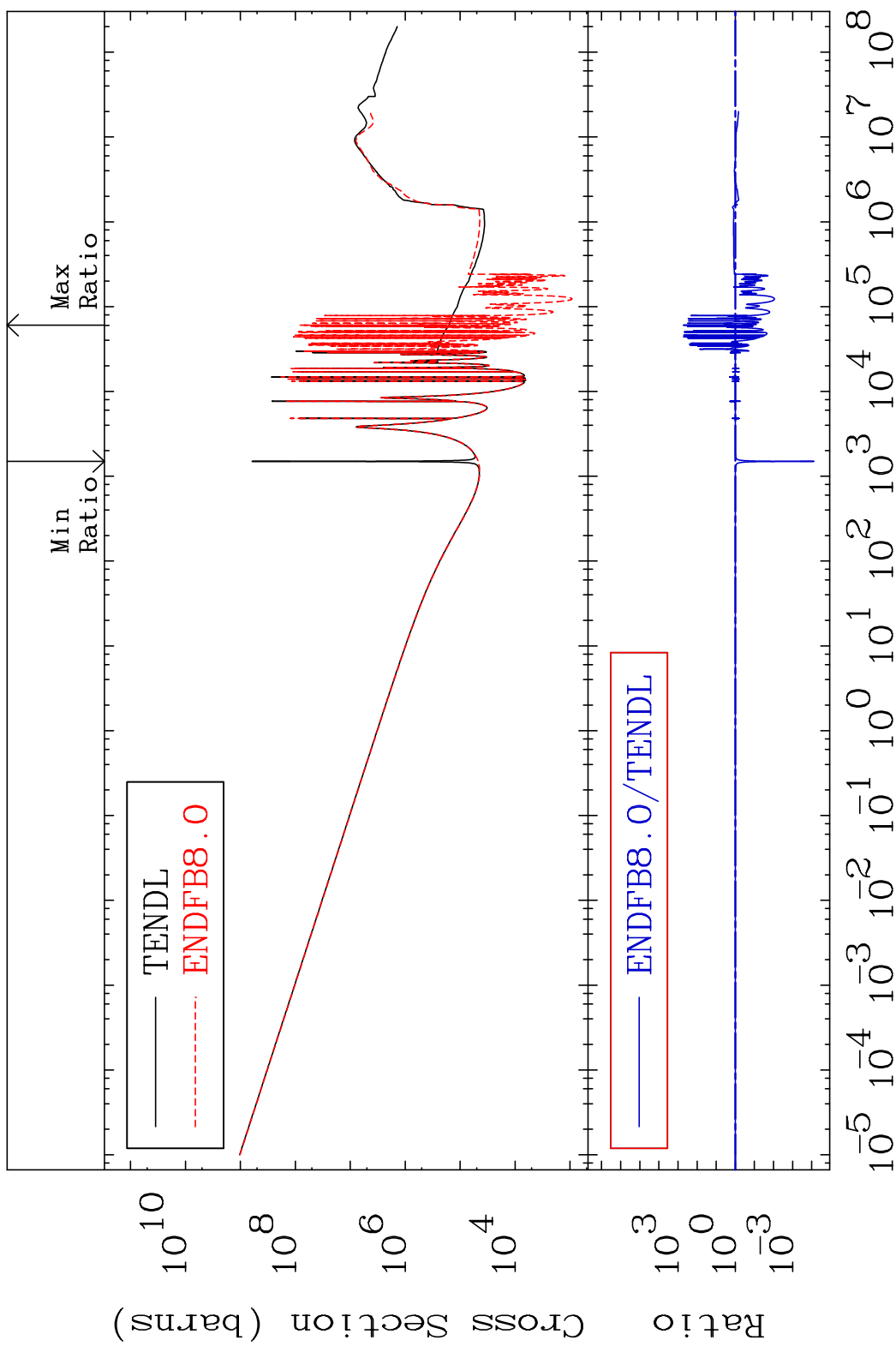


MAT 2234 Kerma capture (mt102) 22-Ti-49  
 Cross Section -99.99 To 9999. %



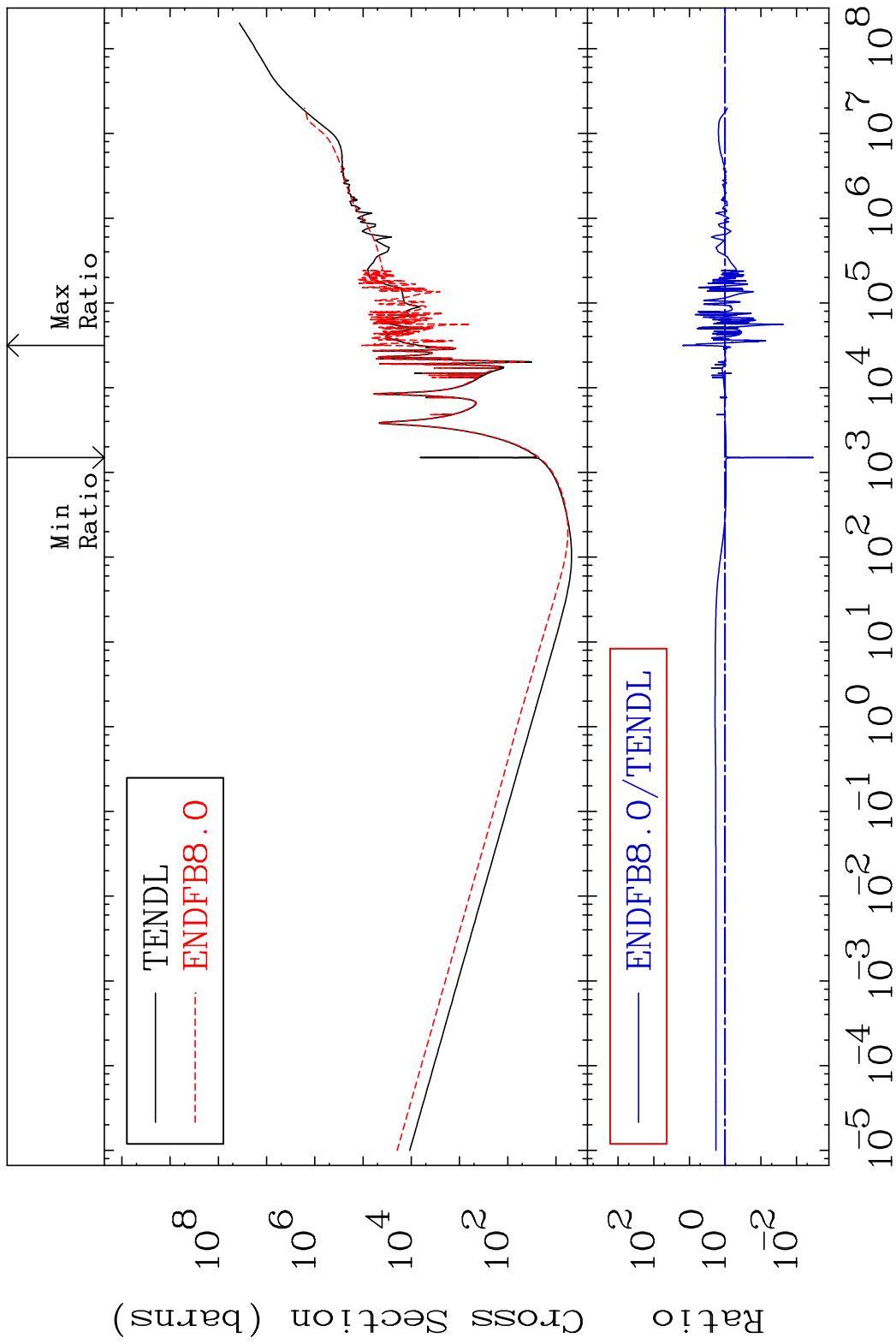
40 Incident Energy (eV) 22-Ti-49

MAT 2234 Total photon (eV-barns) 22-Ti-49  
 Cross Section -99.99 To 9999. %



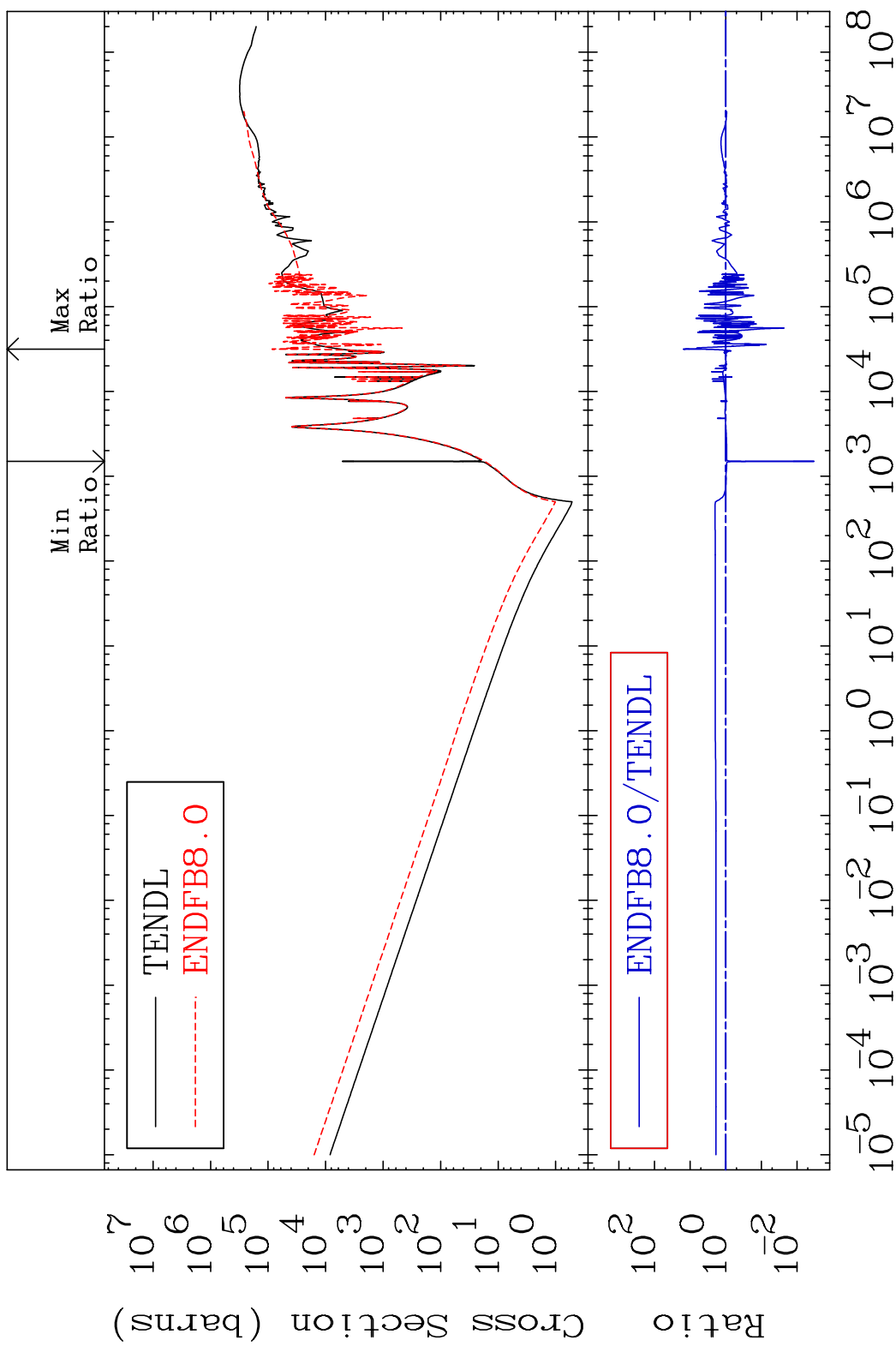
41 Incident Energy (eV) 22-Ti-49

MAT 2234 Total kinematic kerma (high limit) 22-Ti-49  
 Cross Section -99.66 To 1436. %



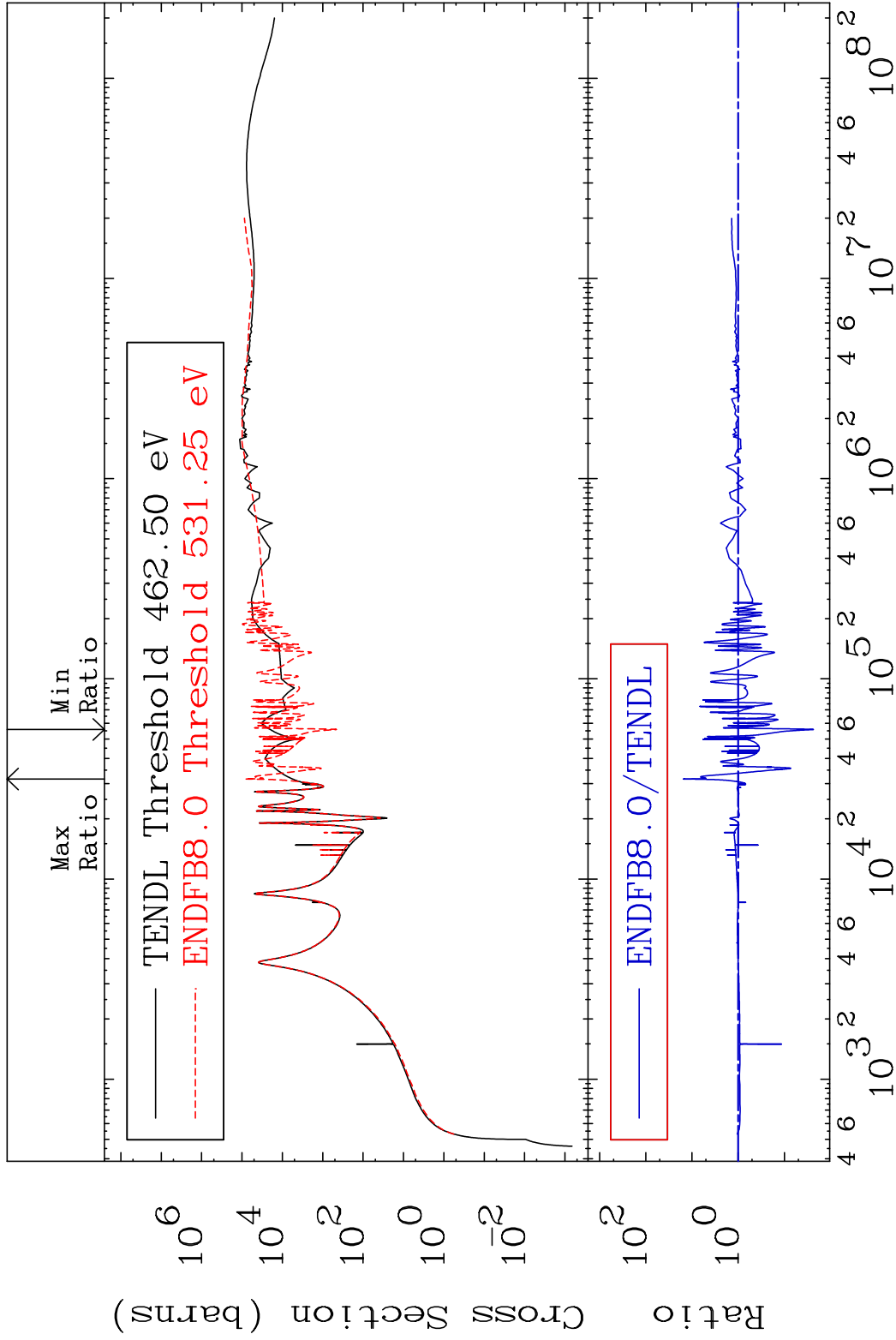
42 Incident Energy (eV) 22-Ti-49

MAT 2234      Dpa total (eV-barns)      <sup>22</sup>Ti-49  
 Cross Section      -99.66 To 1437. %



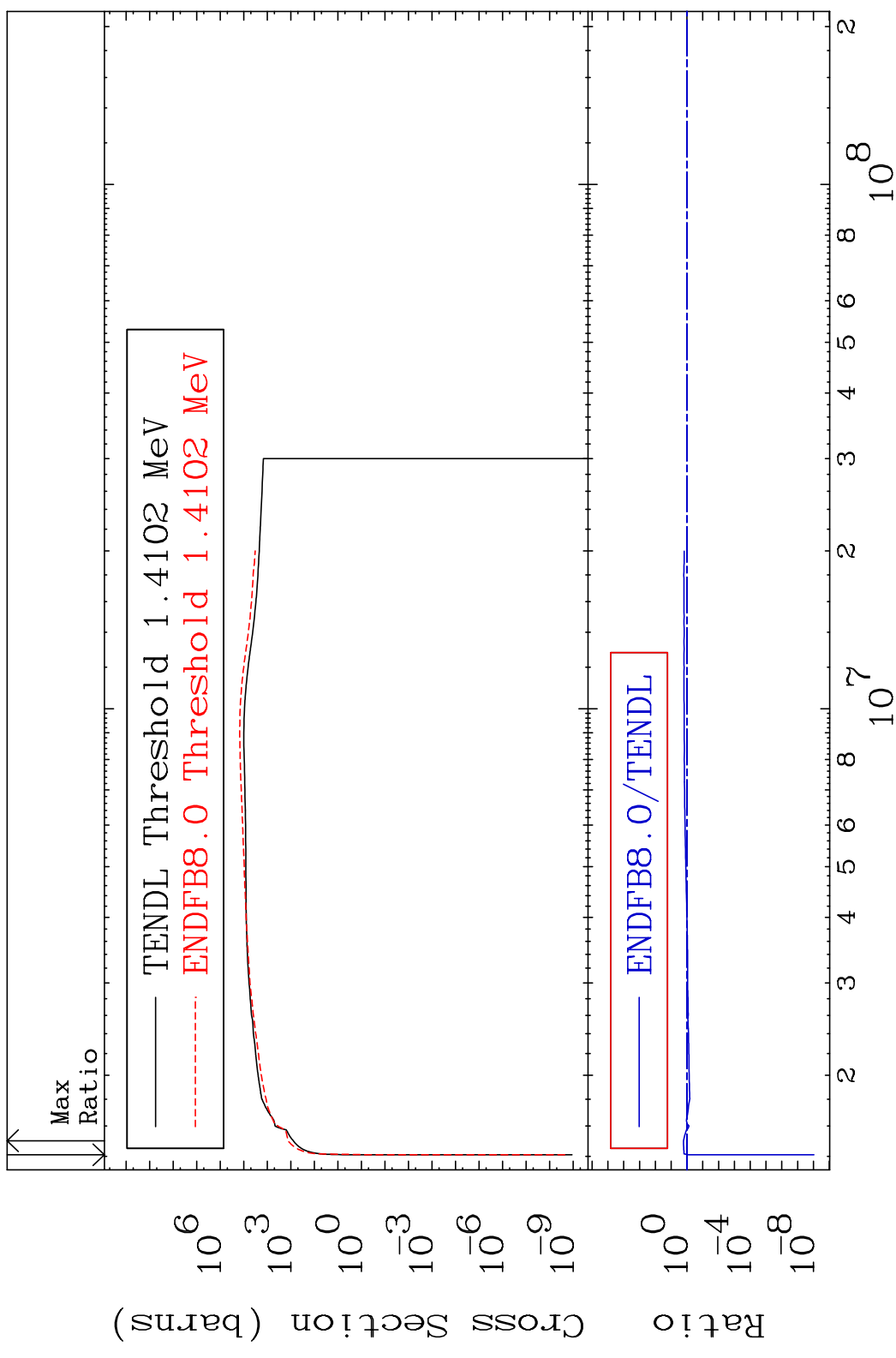
43      Incident Energy (eV)      <sup>22</sup>Ti-49

MAT 2234 Dpa elastic (mt2) 22-Ti-49  
 Cross Section -97.70 To 1432. %



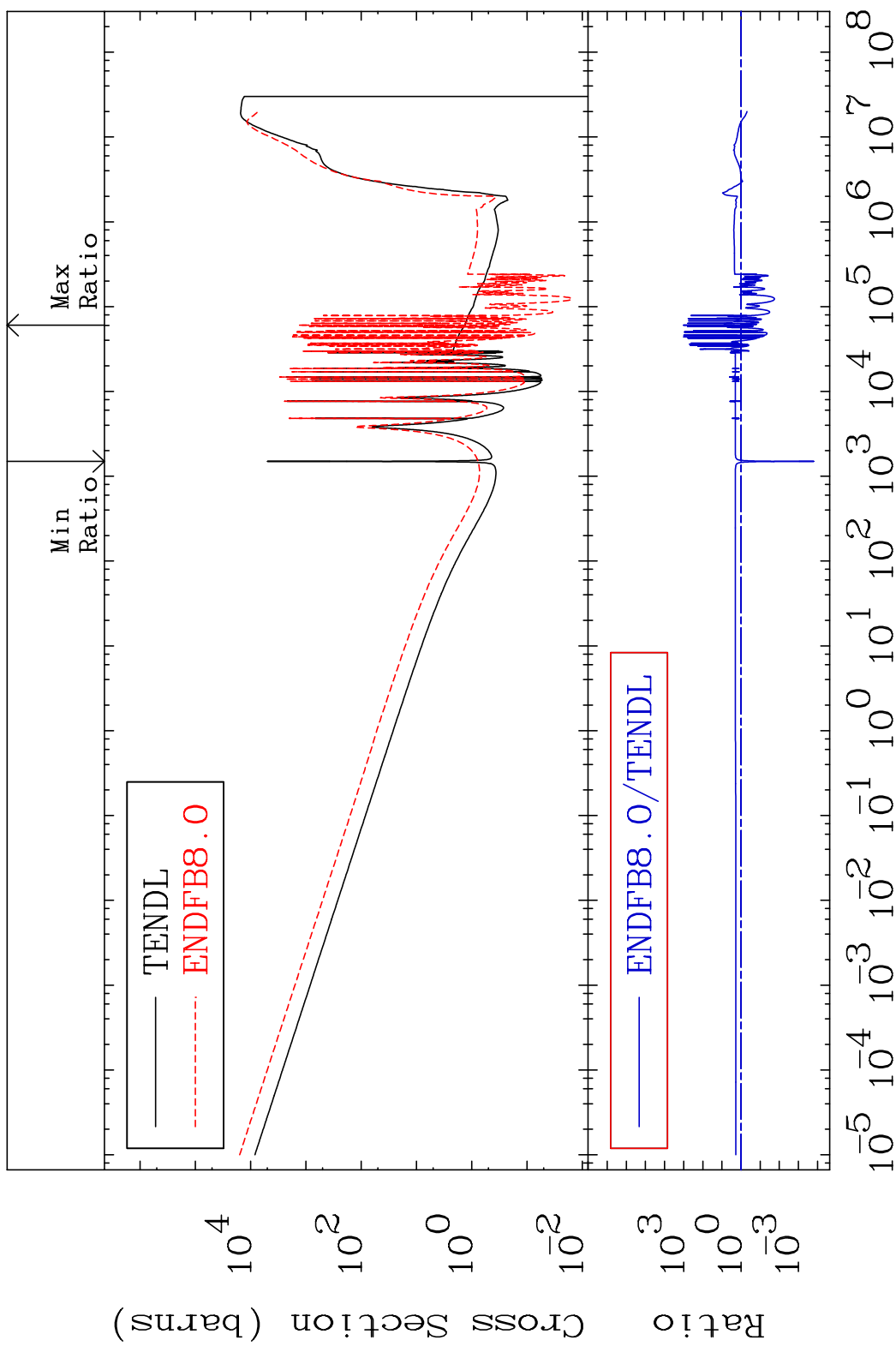
44 Incident Energy (eV) 22-Ti-49

MAT 2234      Dpa inelastic (mt51-91)      <sup>22</sup>Ti-49  
 Cross Section    -100.0 To 67.15 %



45      Incident Energy (eV)      <sup>22</sup>Ti-49

MAT 2234 Dpa disappearance (mt102 -120) 22-Ti-49  
 Cross Section -99.98 To 9999. %



46 Incident Energy (eV) 22-Ti-49