

Program Complot
(Version 2018-1)

by

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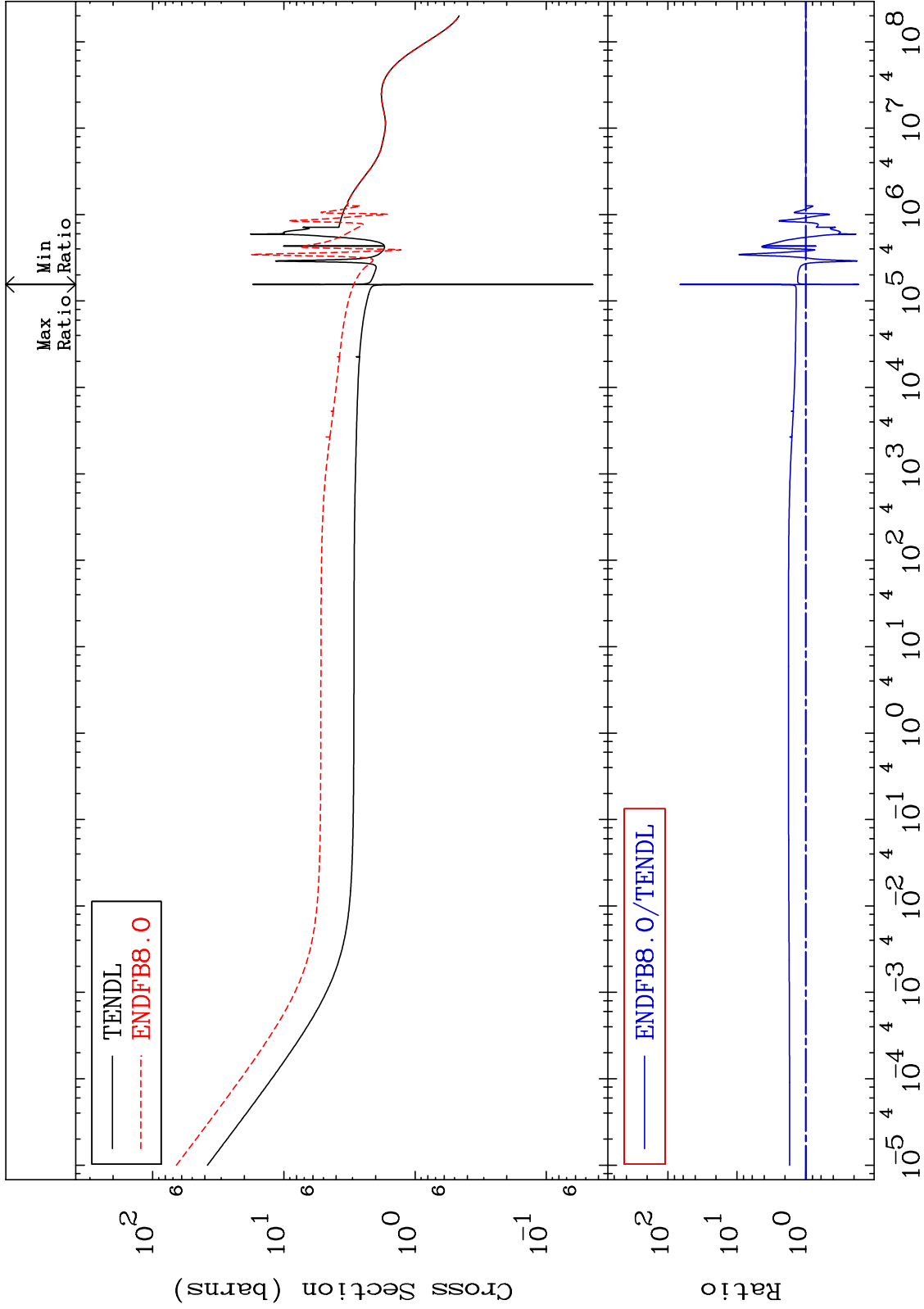
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 1031

Total
Cross Section

10-Ne-22
-82.99 To 6521. %



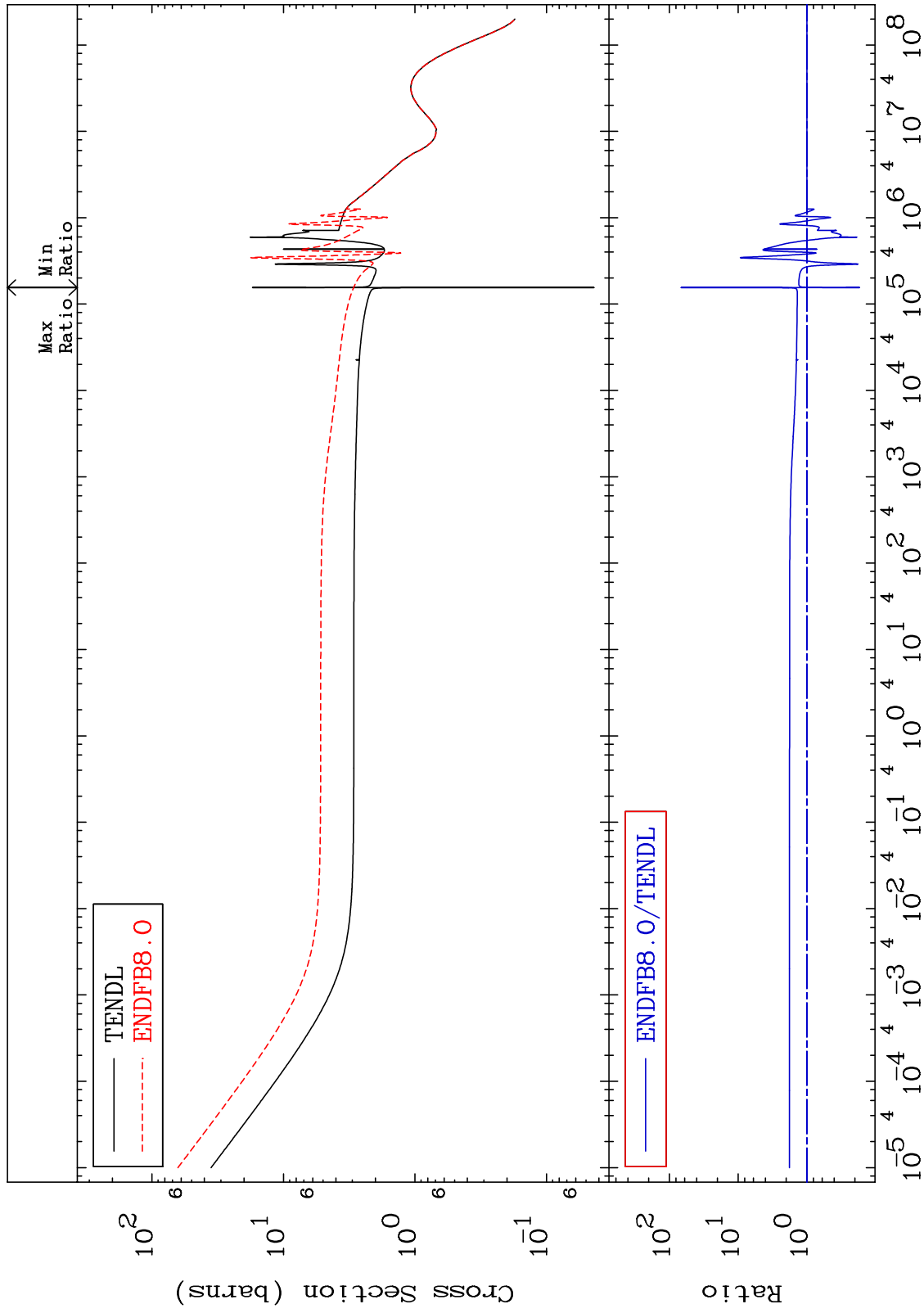
Incident Energy (eV)

10-Ne-22

MAT 1031

Elastic
Cross Section

10-Ne-22
-82.98 To 6613. %



2

Incident Energy (eV)

10-Ne-22

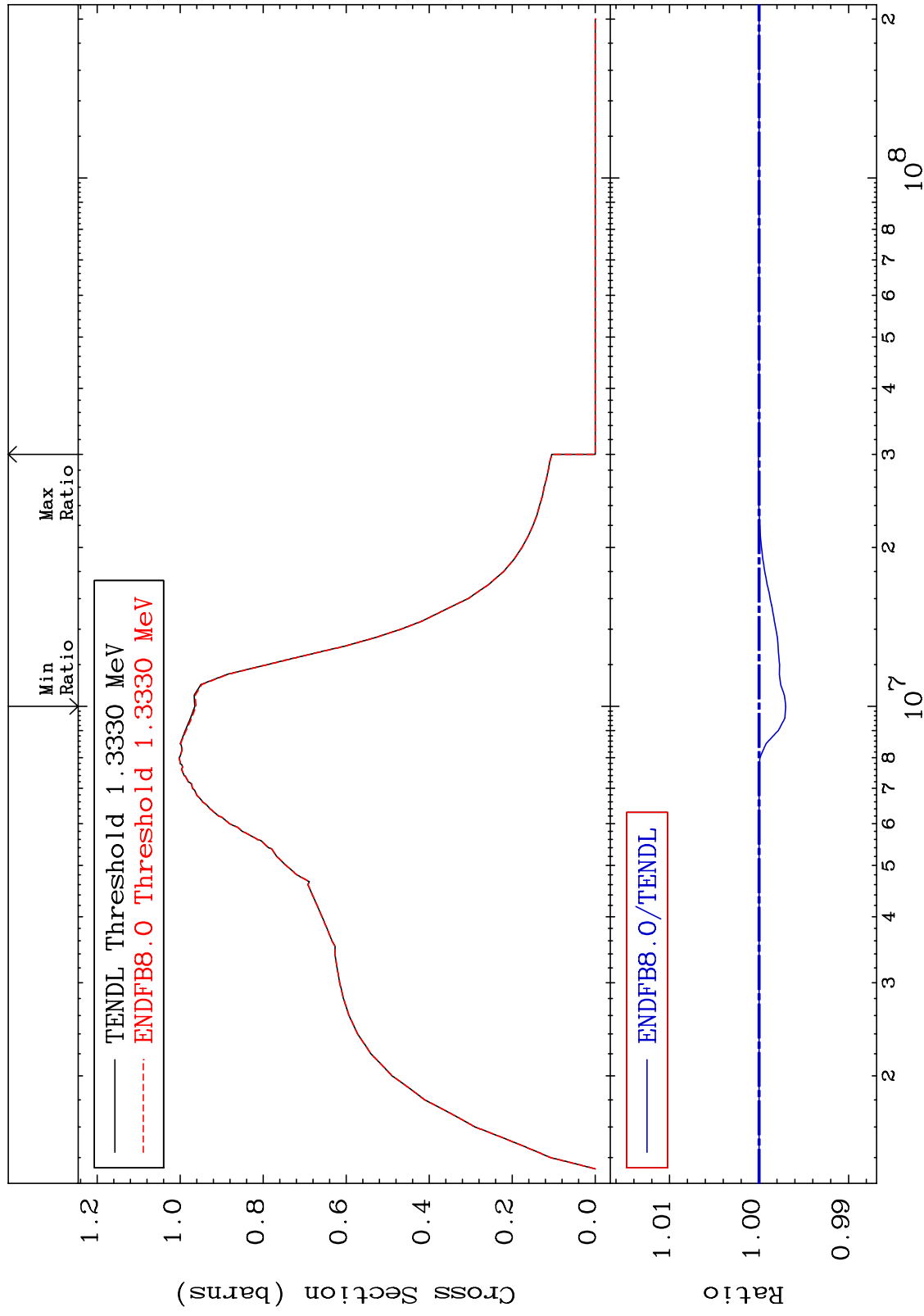
MAT 1031

10-Ne-22

Inelastic

Cross Section

-0.297 To 0.008 %

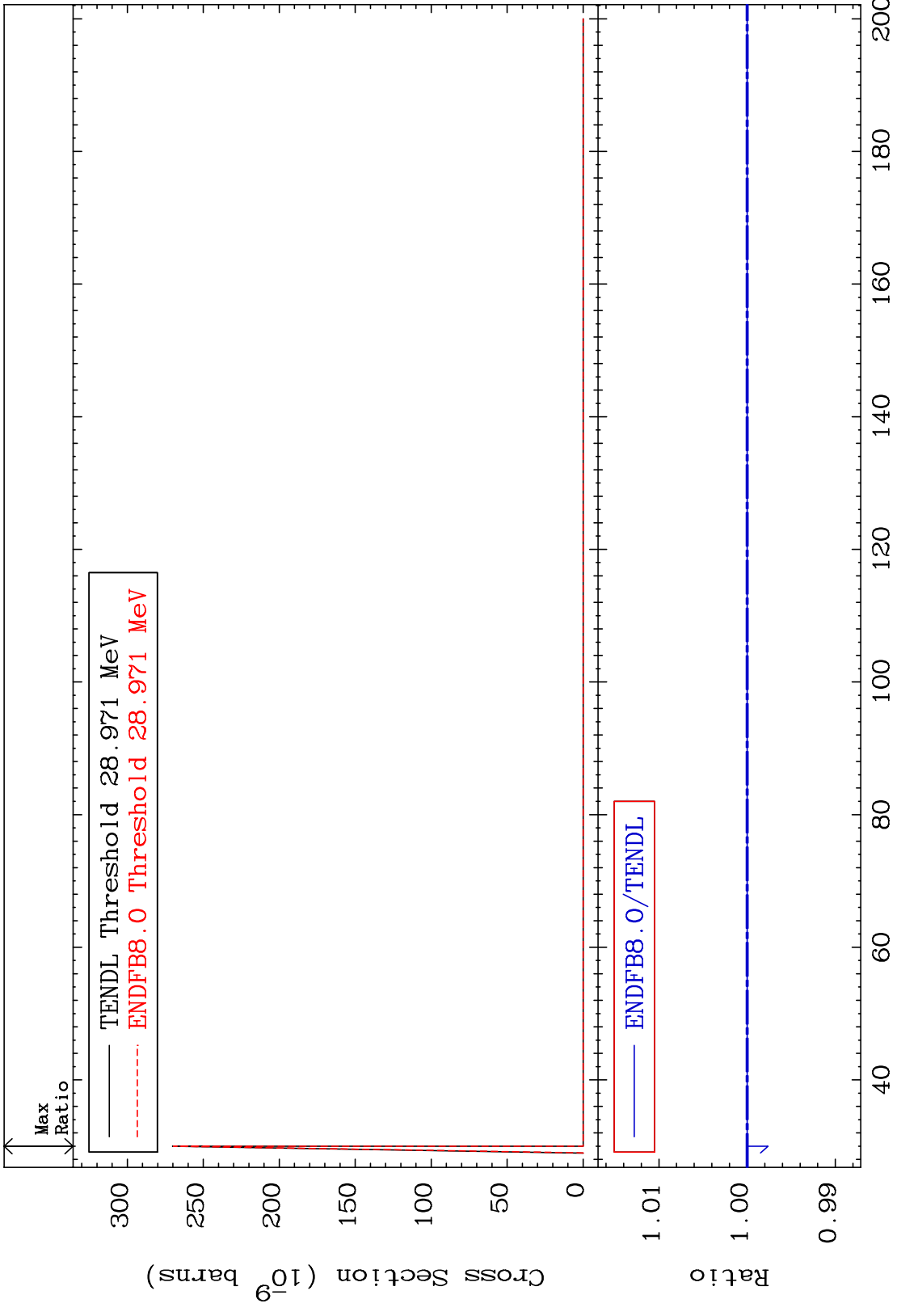


3

Incident Energy (eV)

10-Ne-22

MAT 1031 (n,2n) d 10-Ne-22
 Cross Section -0.236 To 0.000 %



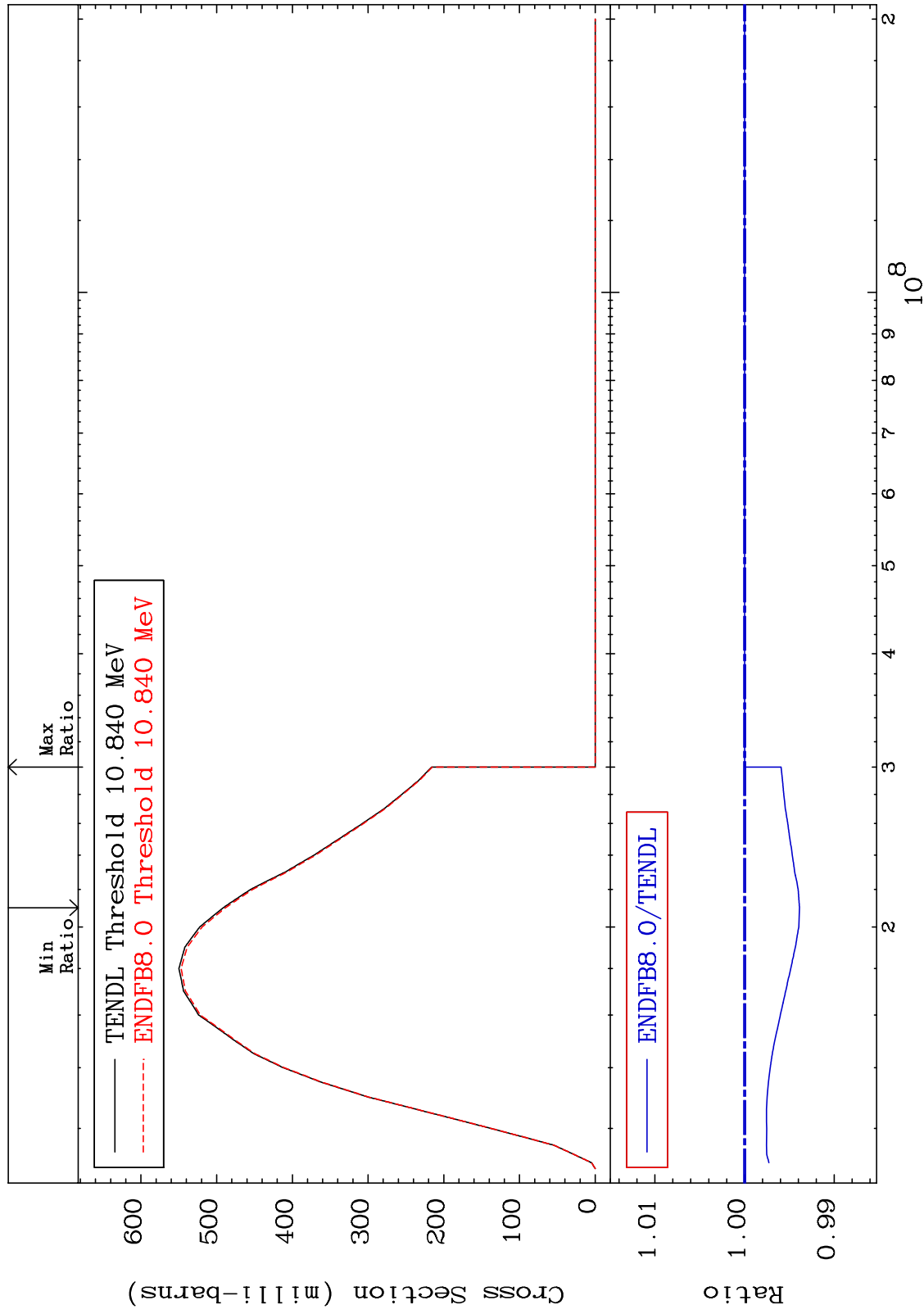
MAT 1031

(n,2n)

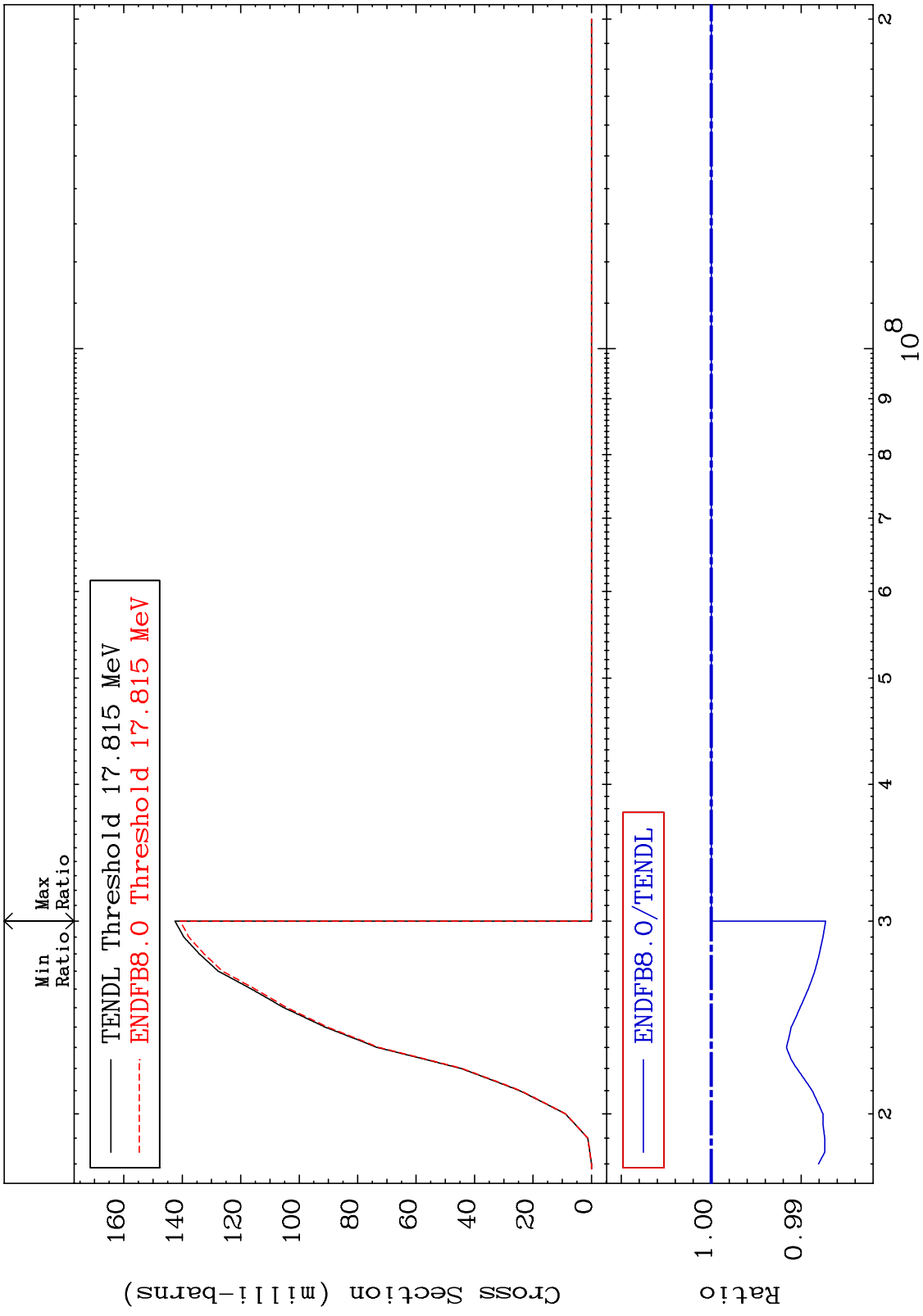
10-Ne-22

Cross Section

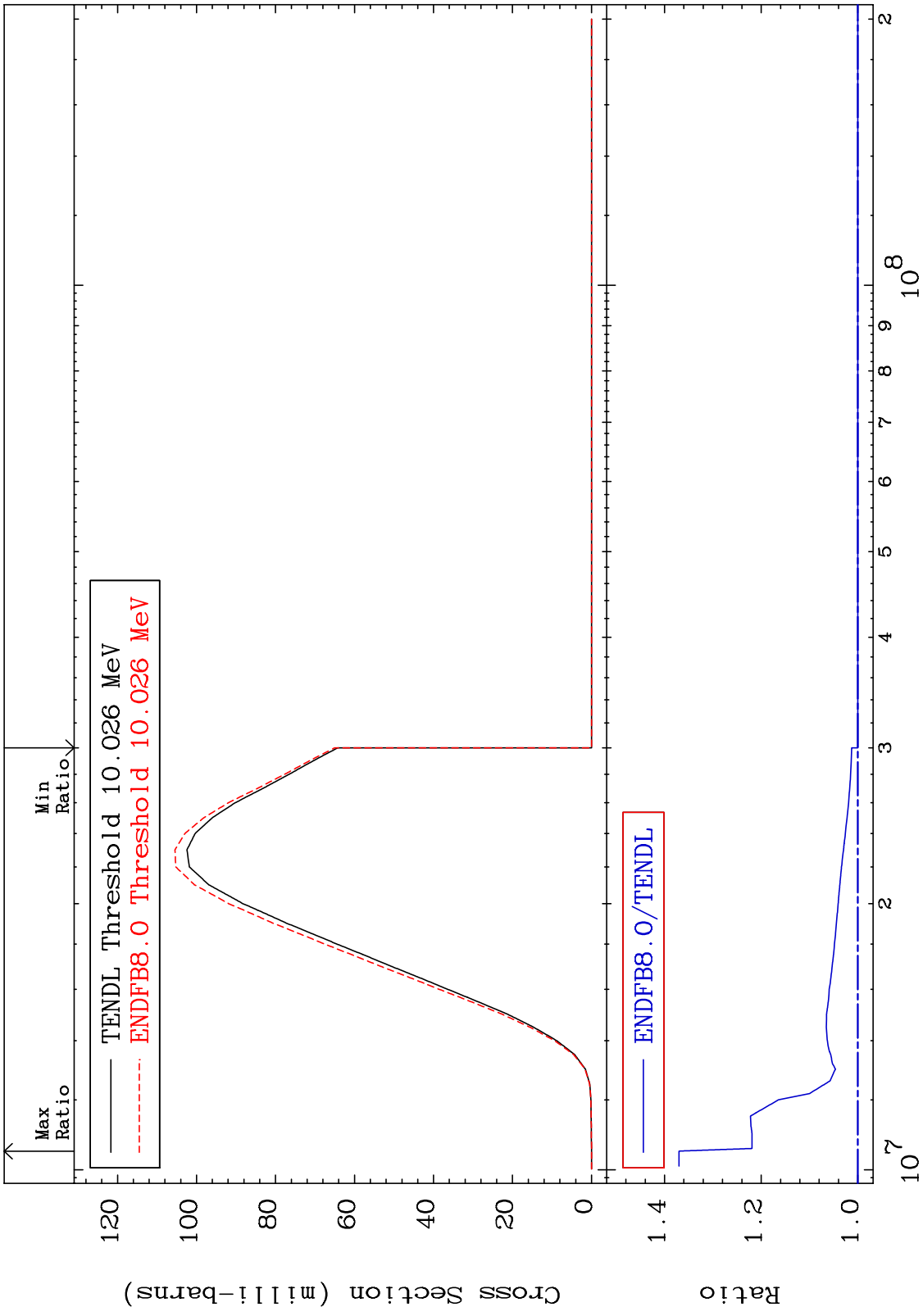
-0.613 To 0.000 %



MAT 1031 (n,3n) 10-Ne-22
 Cross Section -1.272 To 0.000 %

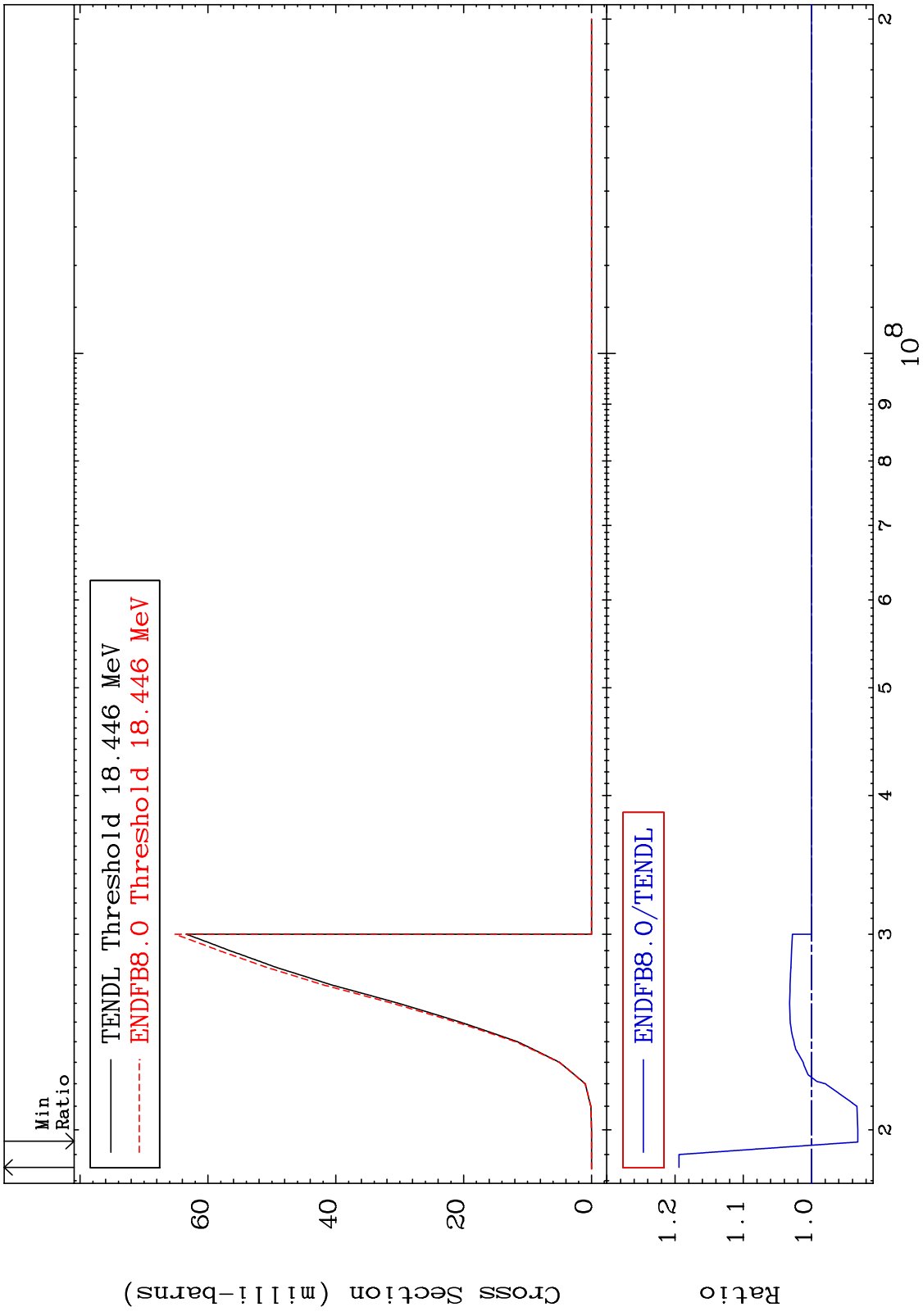


MAT 1031 $(n, n') \alpha$ Cross Section 10-Ne-22 To 37.00 %



10-Ne-22

MAT 1031 $(n, 2n) \alpha$ 10-Ne-22
 Cross Section -6.791 To 19.42 %



8 Incident Energy (eV) 10-Ne-22

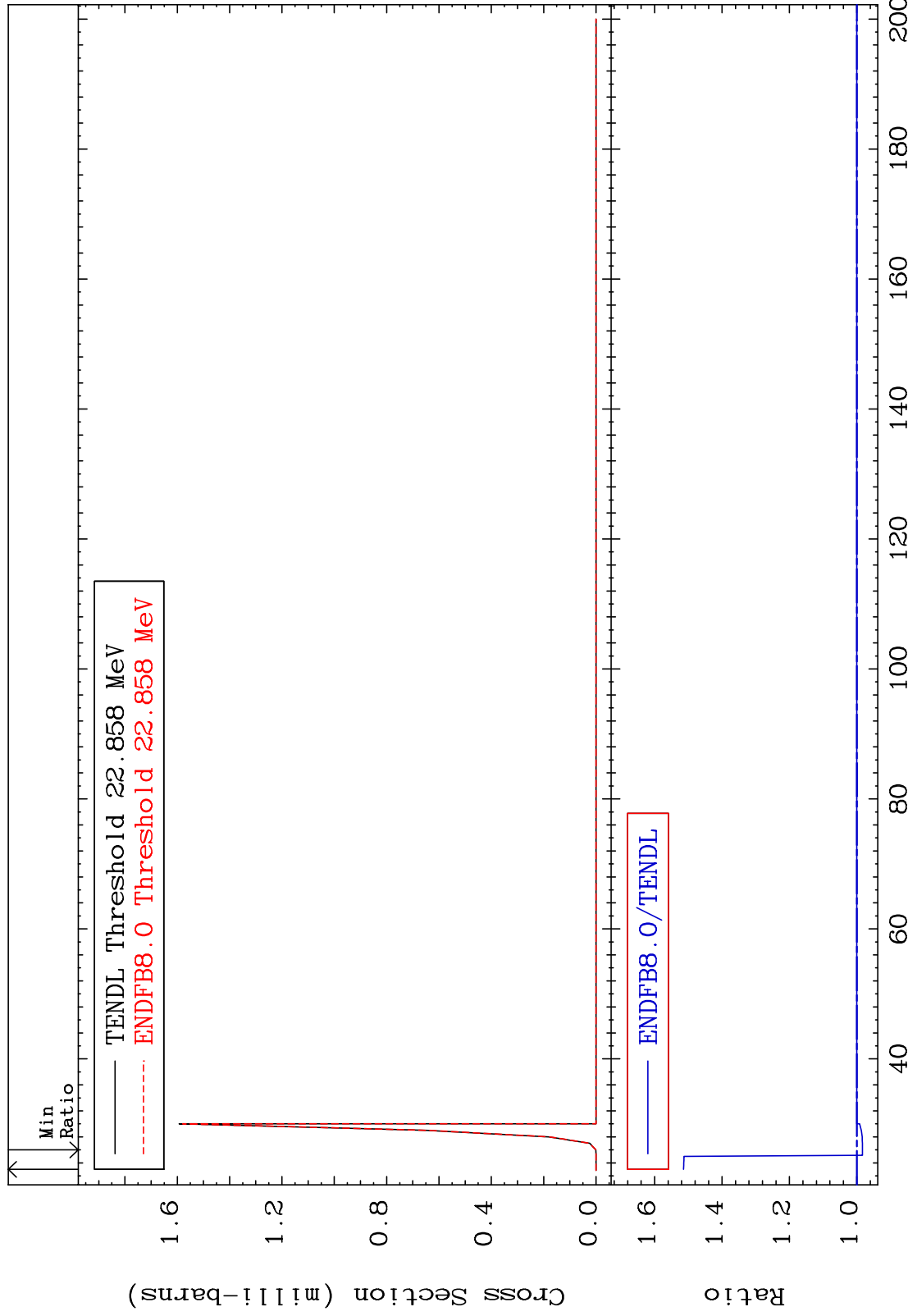
MAT 1031

(n,3n) α

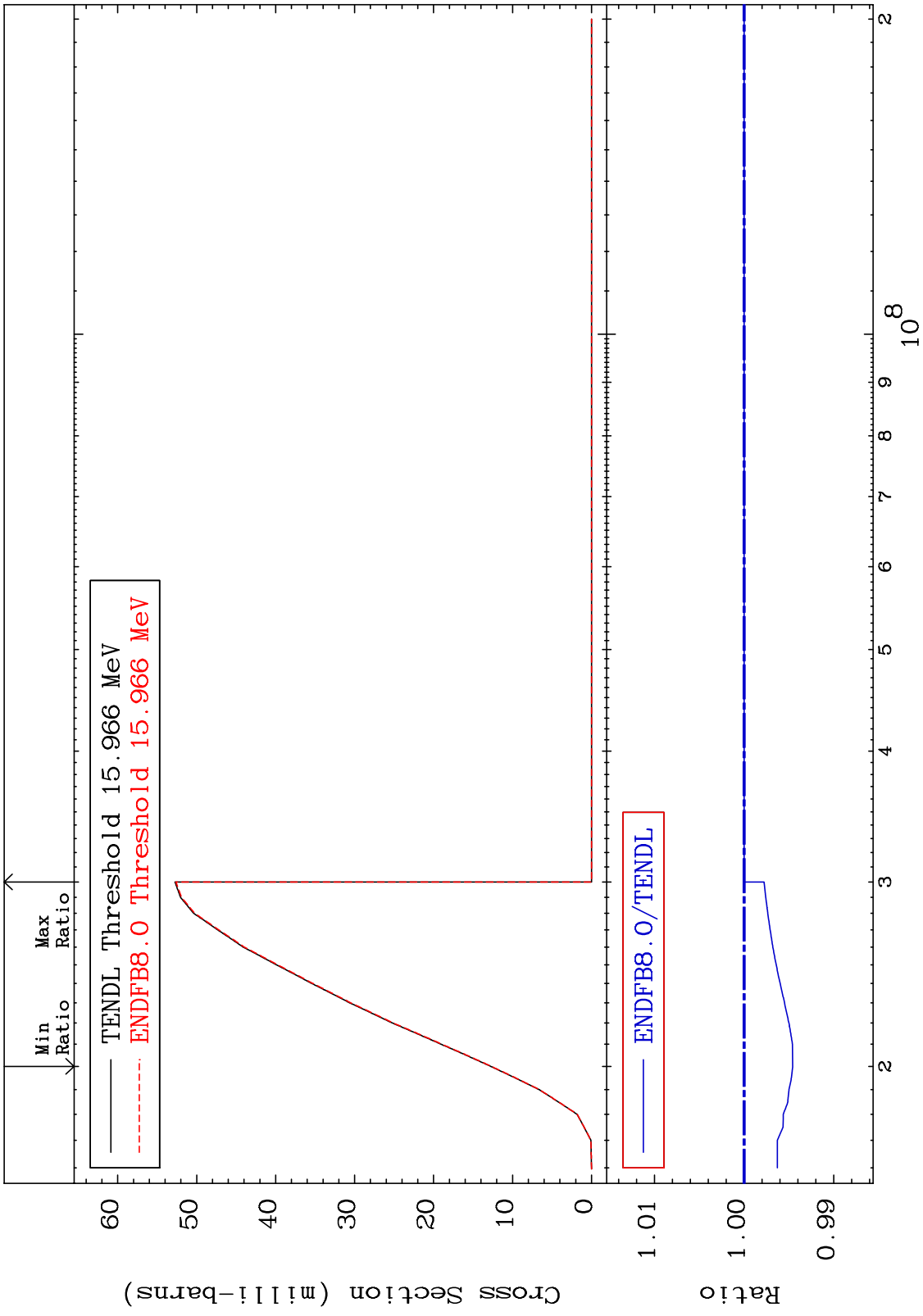
10-Ne-22

Cross Section

-1.679 To 51.42 %

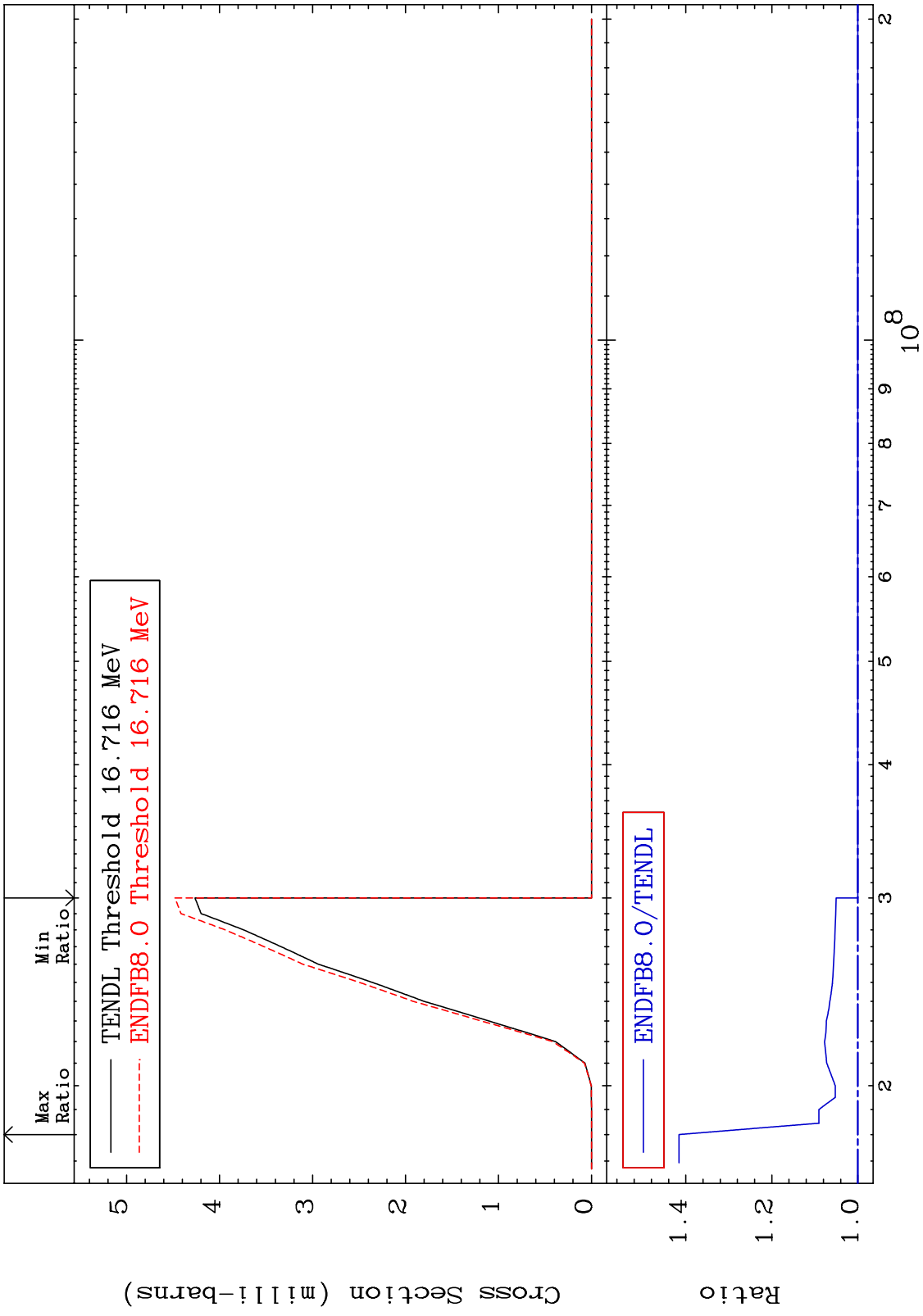


MAT 1031 (n,n') p 10-Ne-22
Cross Section -0.541 To 0.000 %



10 10-Ne-22

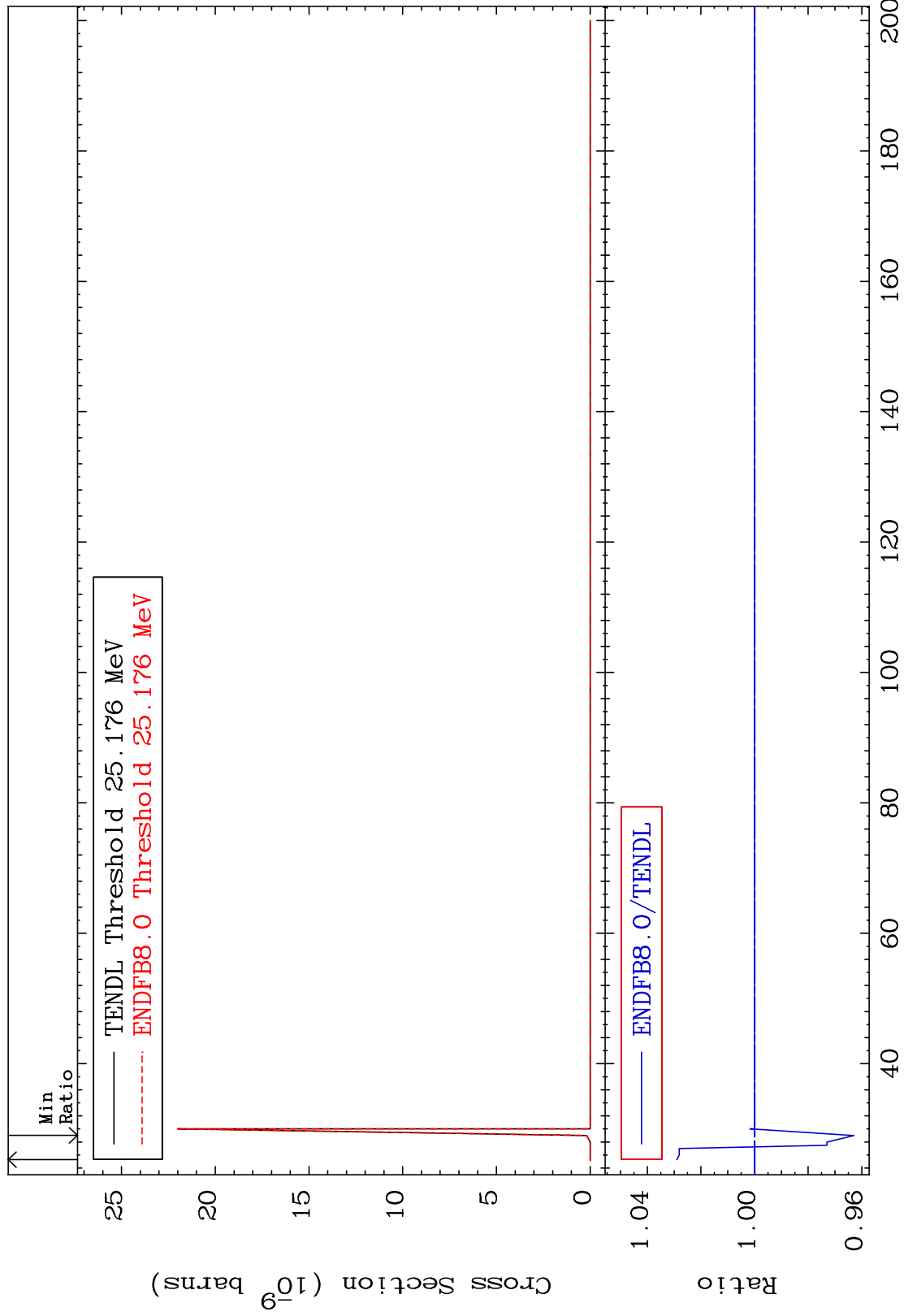
MAT 1031 (n,n') 2α Cross Section 10-Ne-22 To 41.57 %



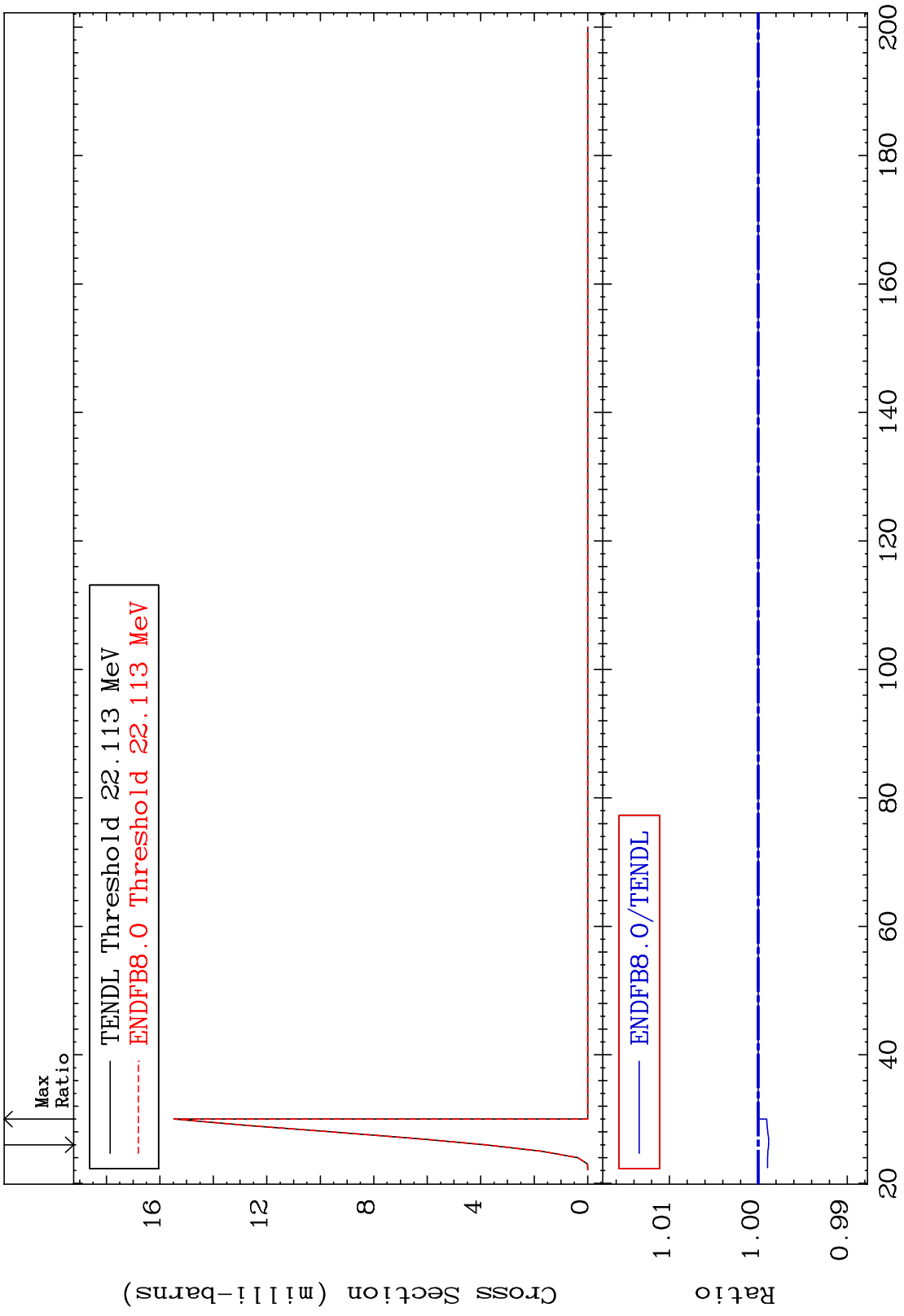
MAT 1031

(n,2n) 2α
Cross Section

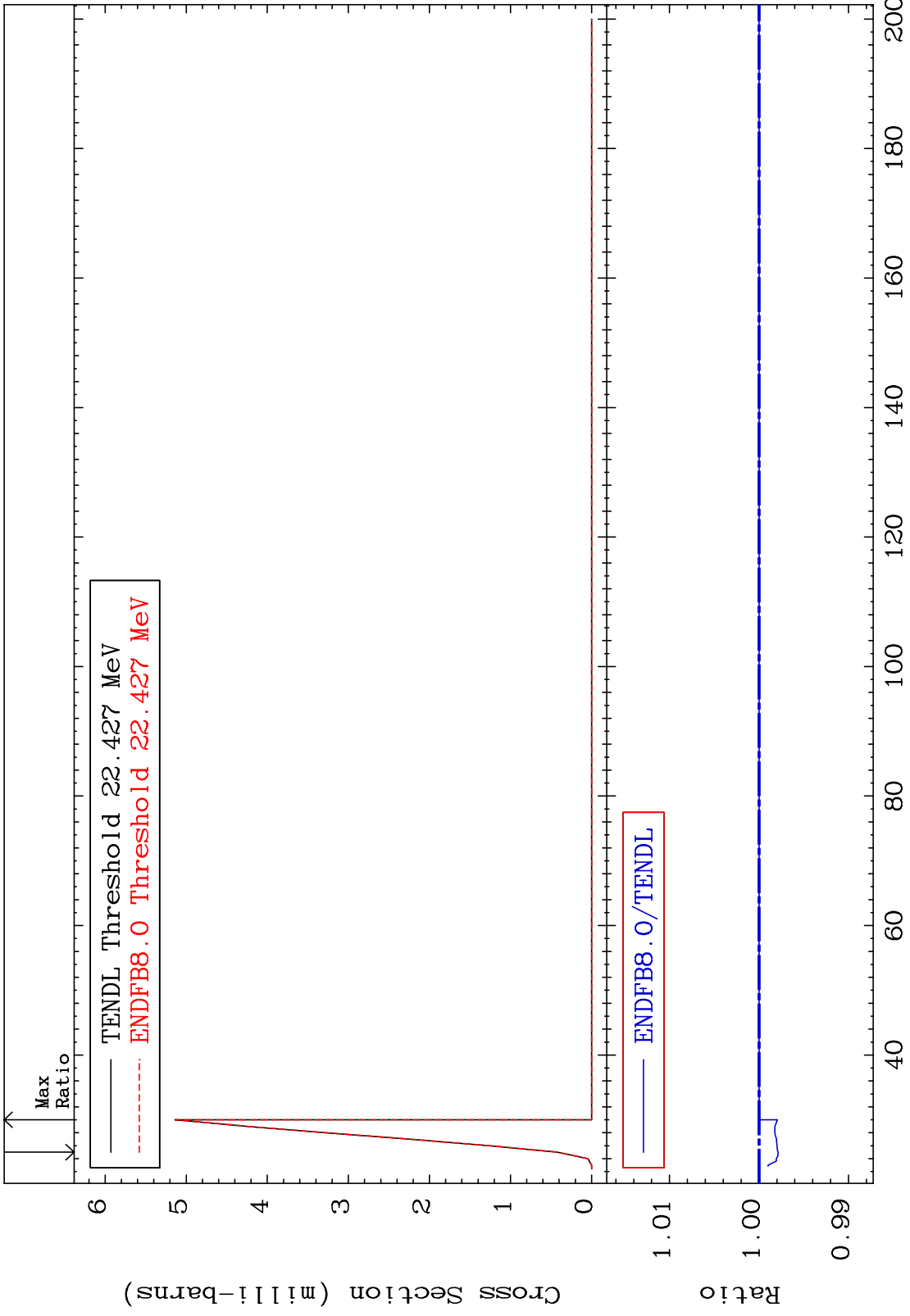
10-Ne-22
-3.711 To 2.897 %



MAT 1031 (n,n') d 10-Ne-22
 Cross Section -0.117 To 0.000 %



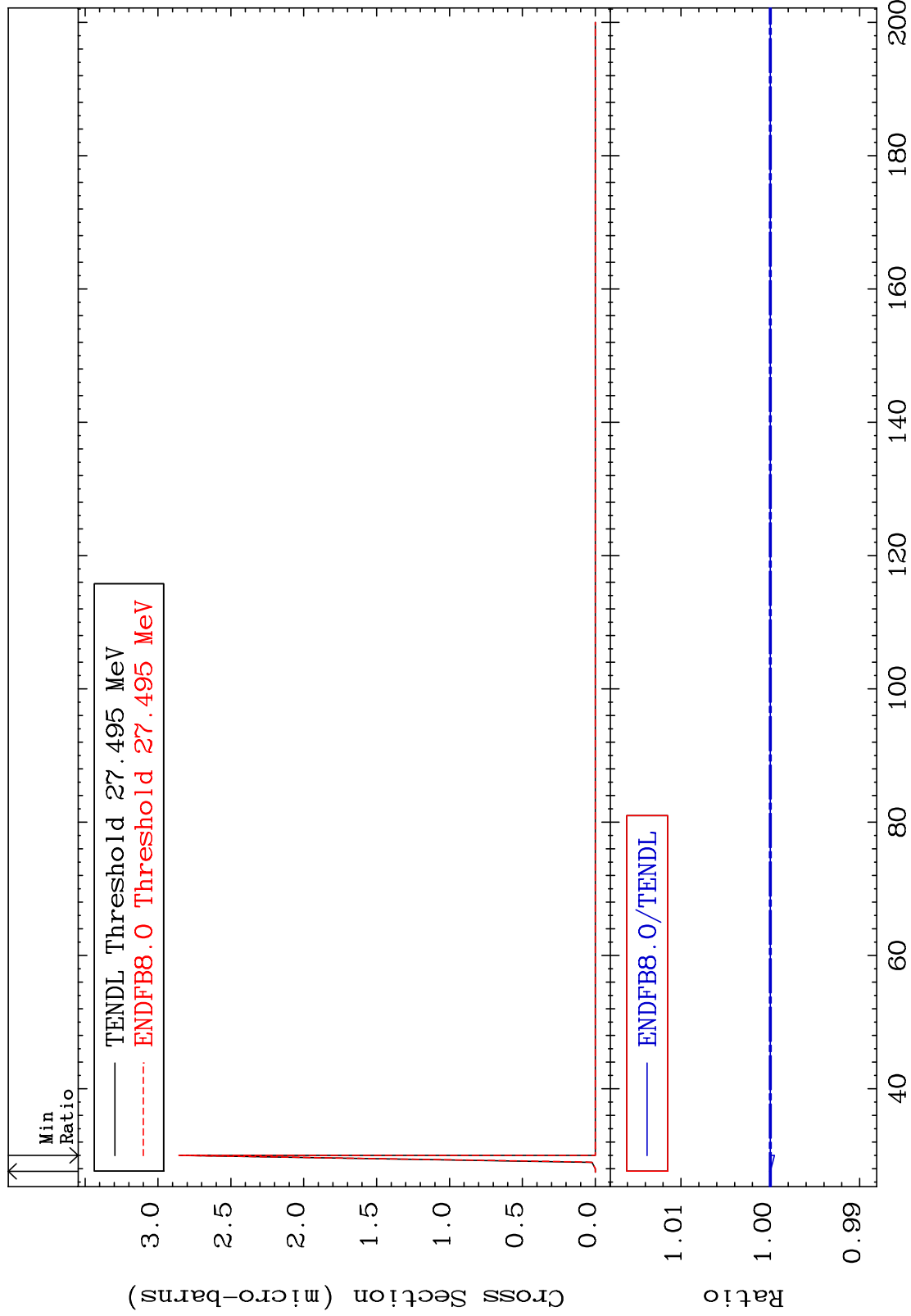
MAT 1031 (n,n') t 10-Ne-22
 Cross Section -0.213 To 0.000 %



MAT 1031

(n, n') He-3
Cross Section

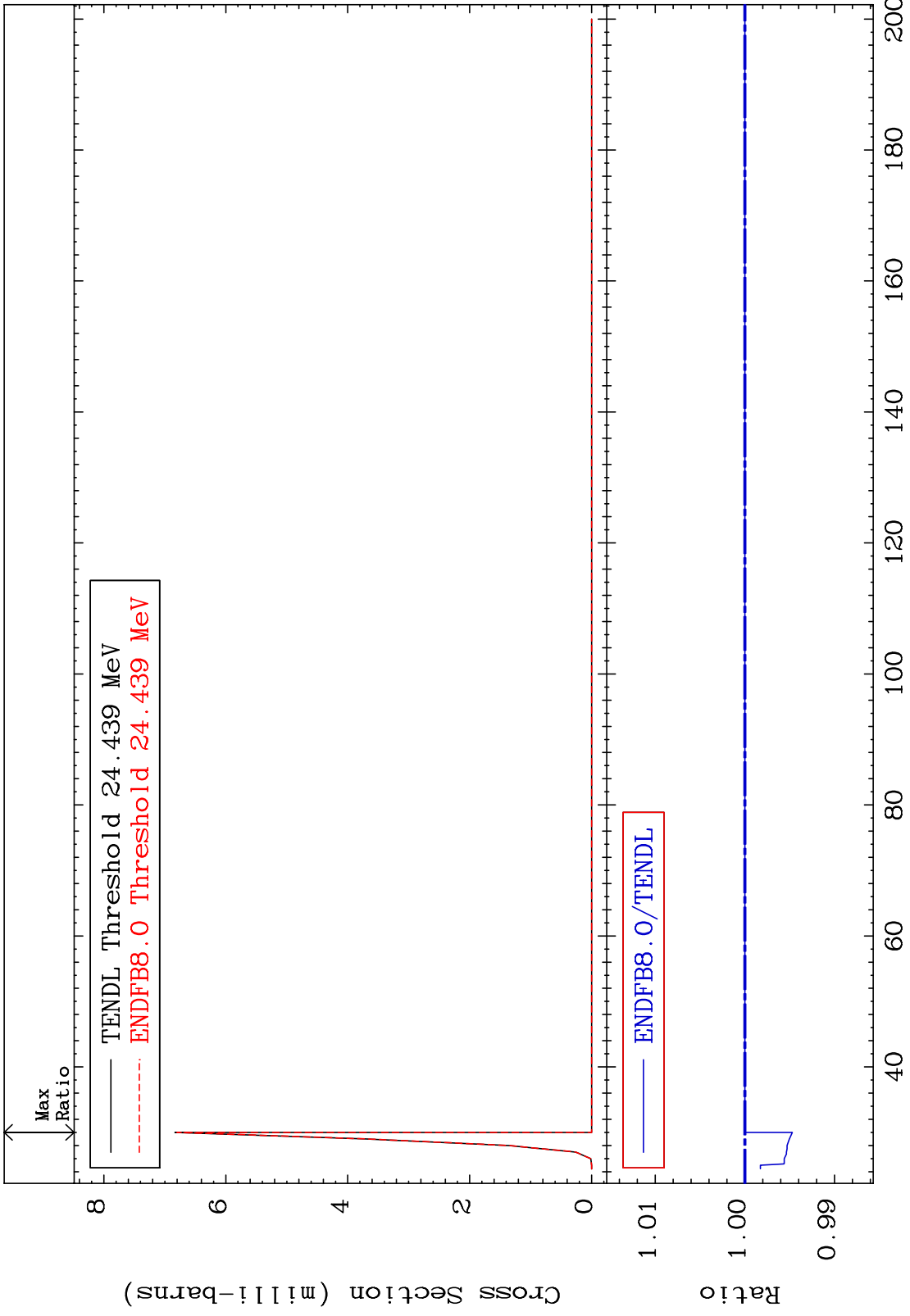
10-Ne-22
-0.047 To 0.007 %



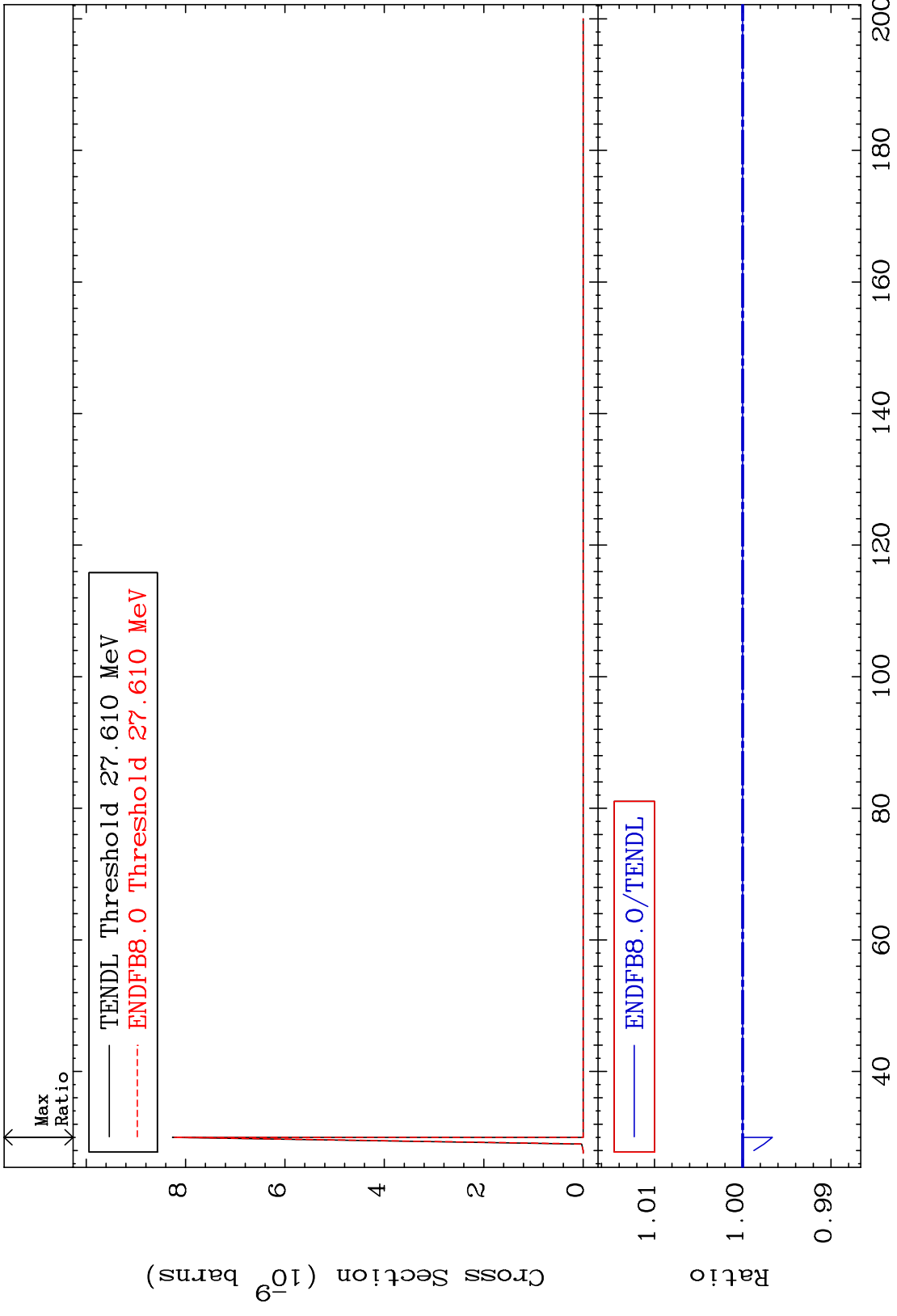
15

10-Ne-22

MAT 1031 (n,2n) p 10-Ne-22
 Cross Section -0.528 To 0.000 %



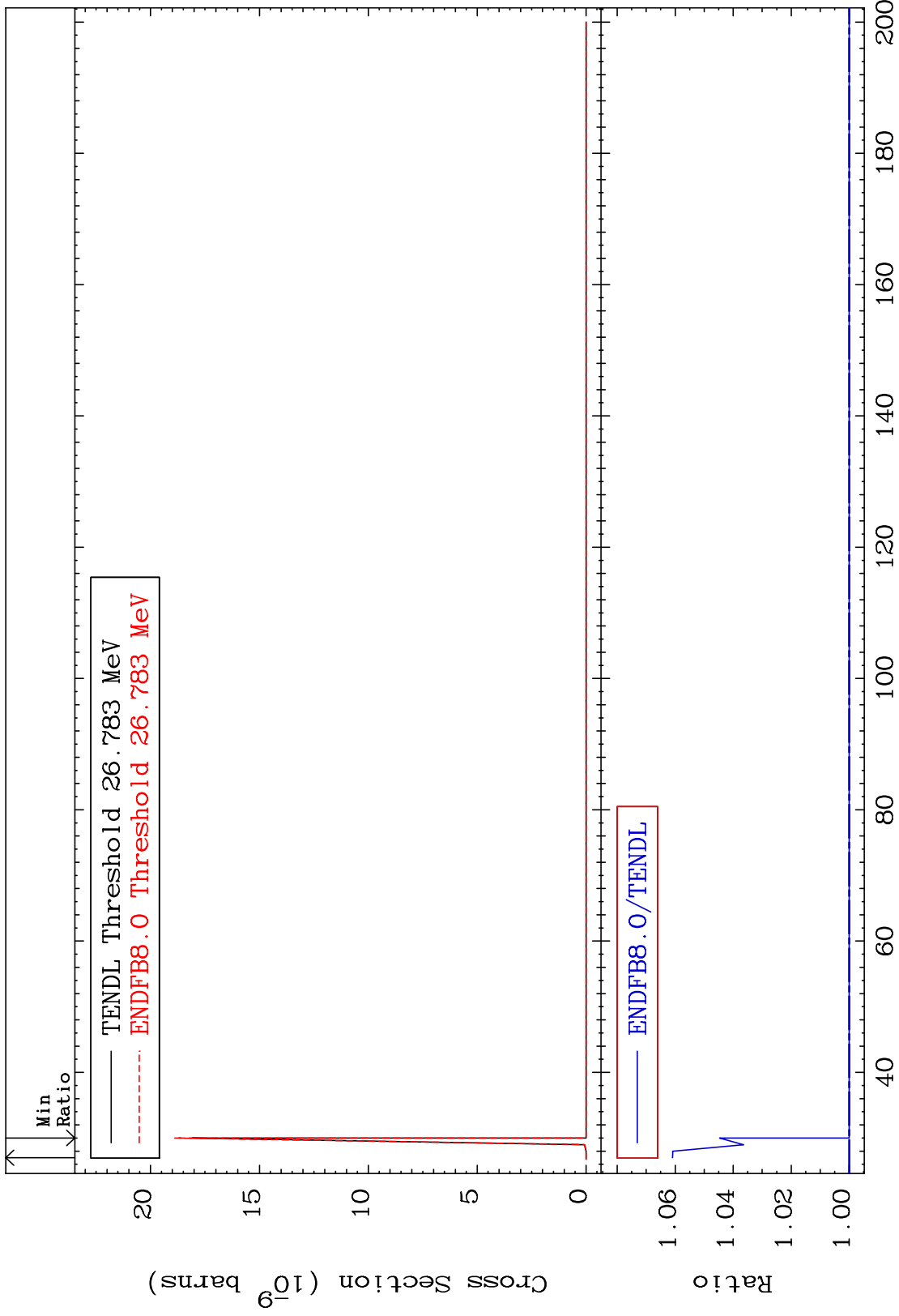
MAT 1031 (n,2n) p 10-Ne-22
 Cross Section -0.337 To 0.000 %



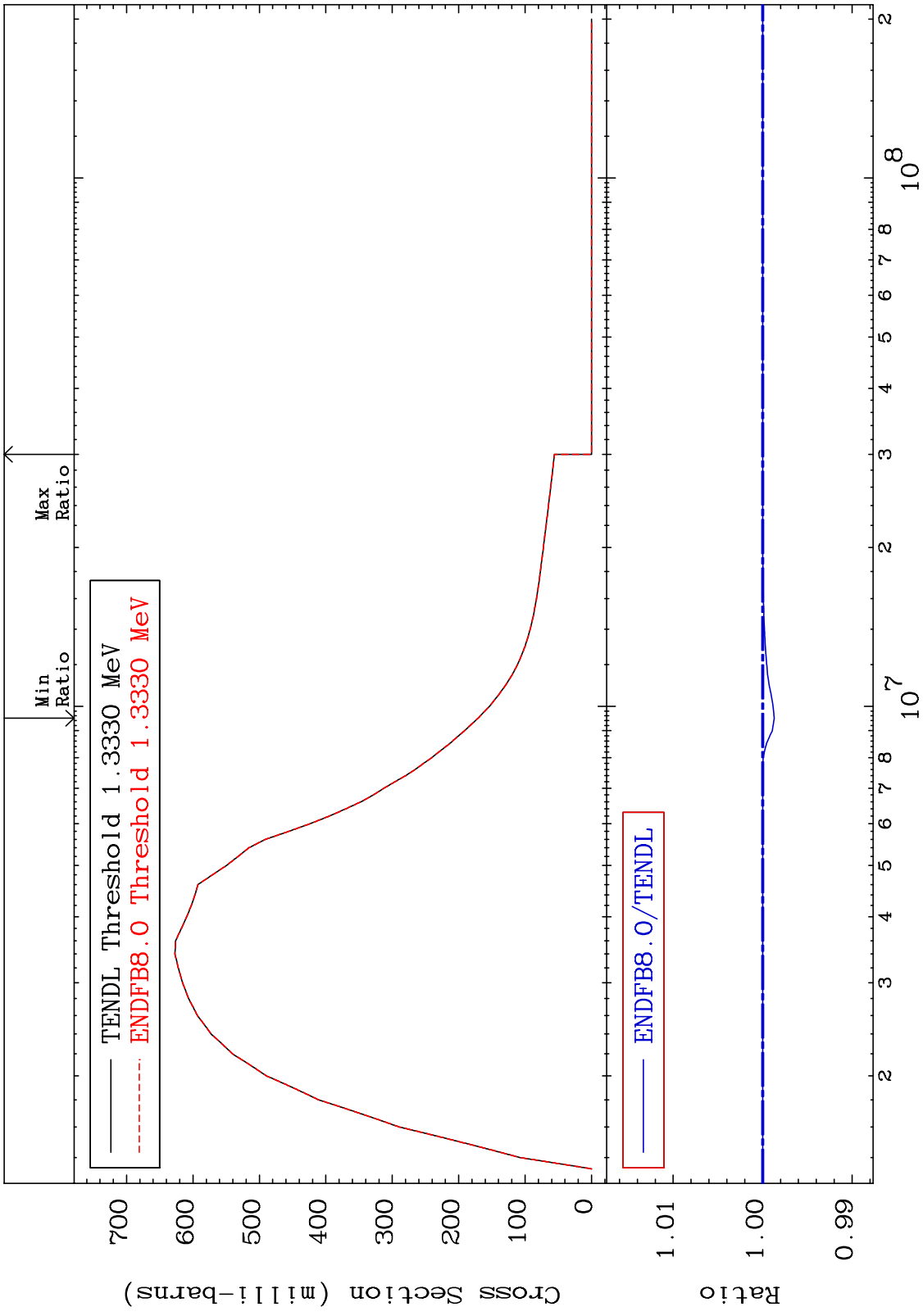
MAT 1031

(n,n') p α
Cross Section

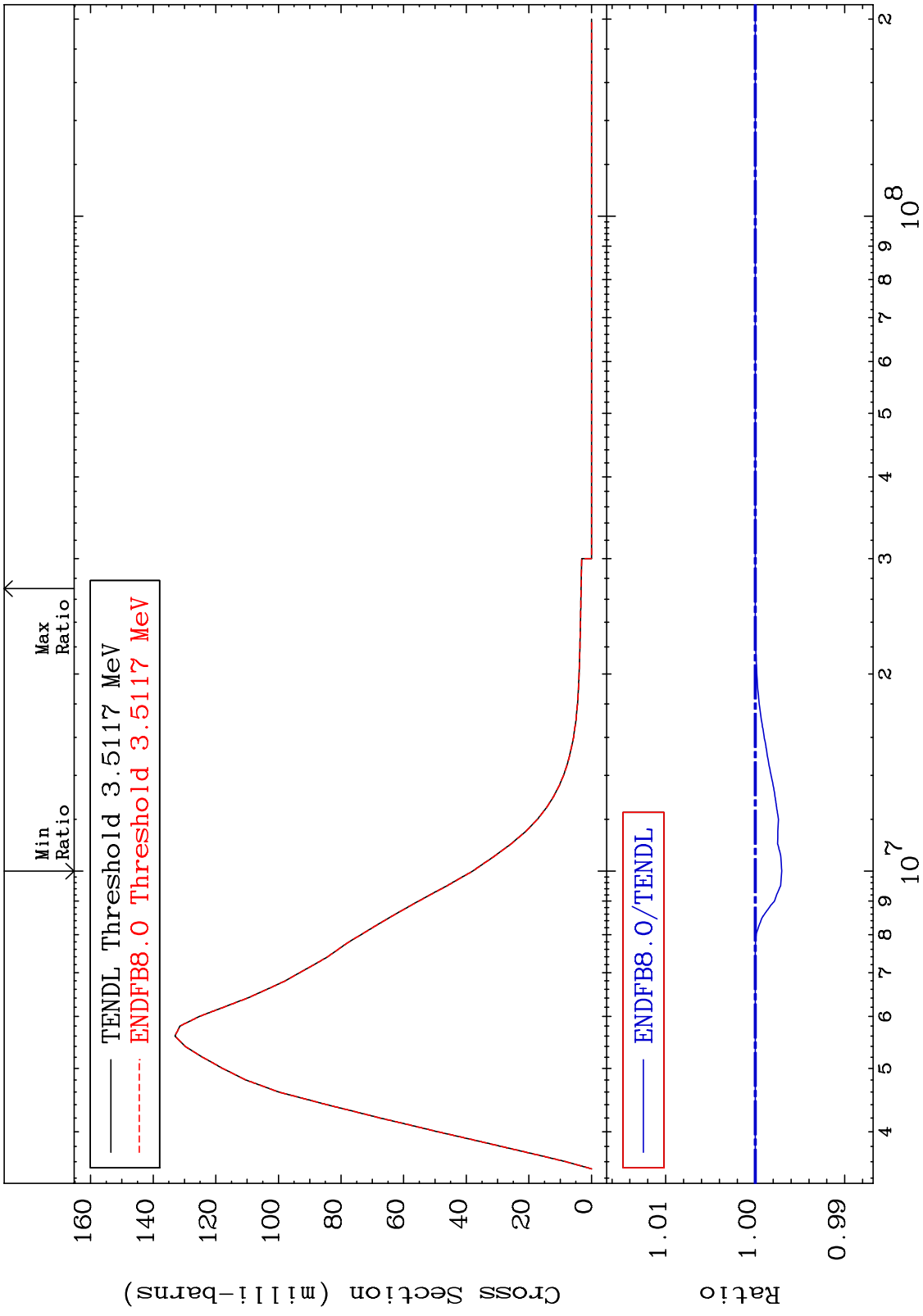
10-Ne-22
To 6.091 %



MAT 1031 MT= 51 (n,n') Level Cross Section 10-Ne-22
 -0.130 To 0.000 %

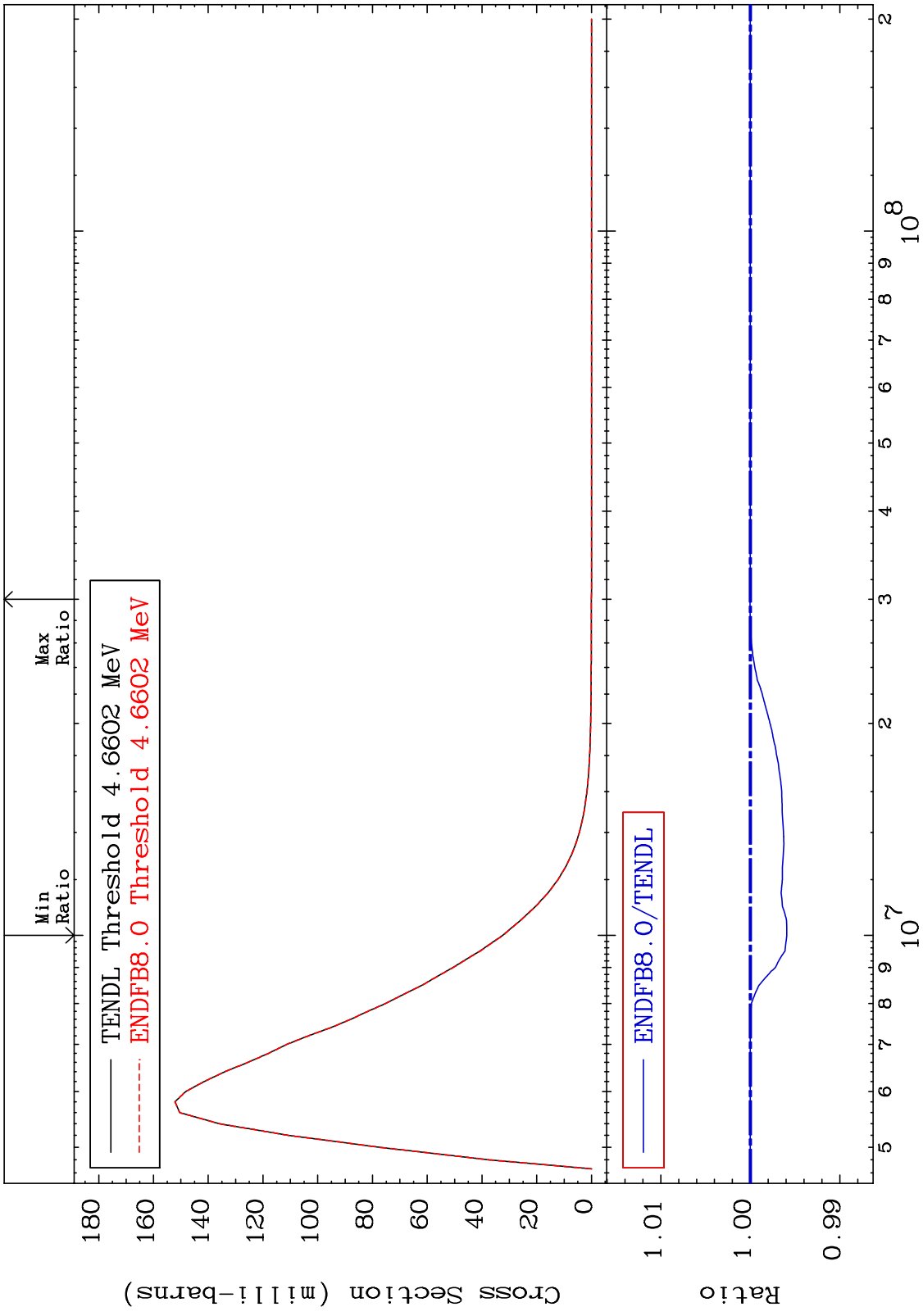


MAT 1031 MT= 52 (n,n') Level Cross Section 10-Ne-22
 -0.296 To 0.000 %



20 Incident Energy (eV) 10-Ne-22

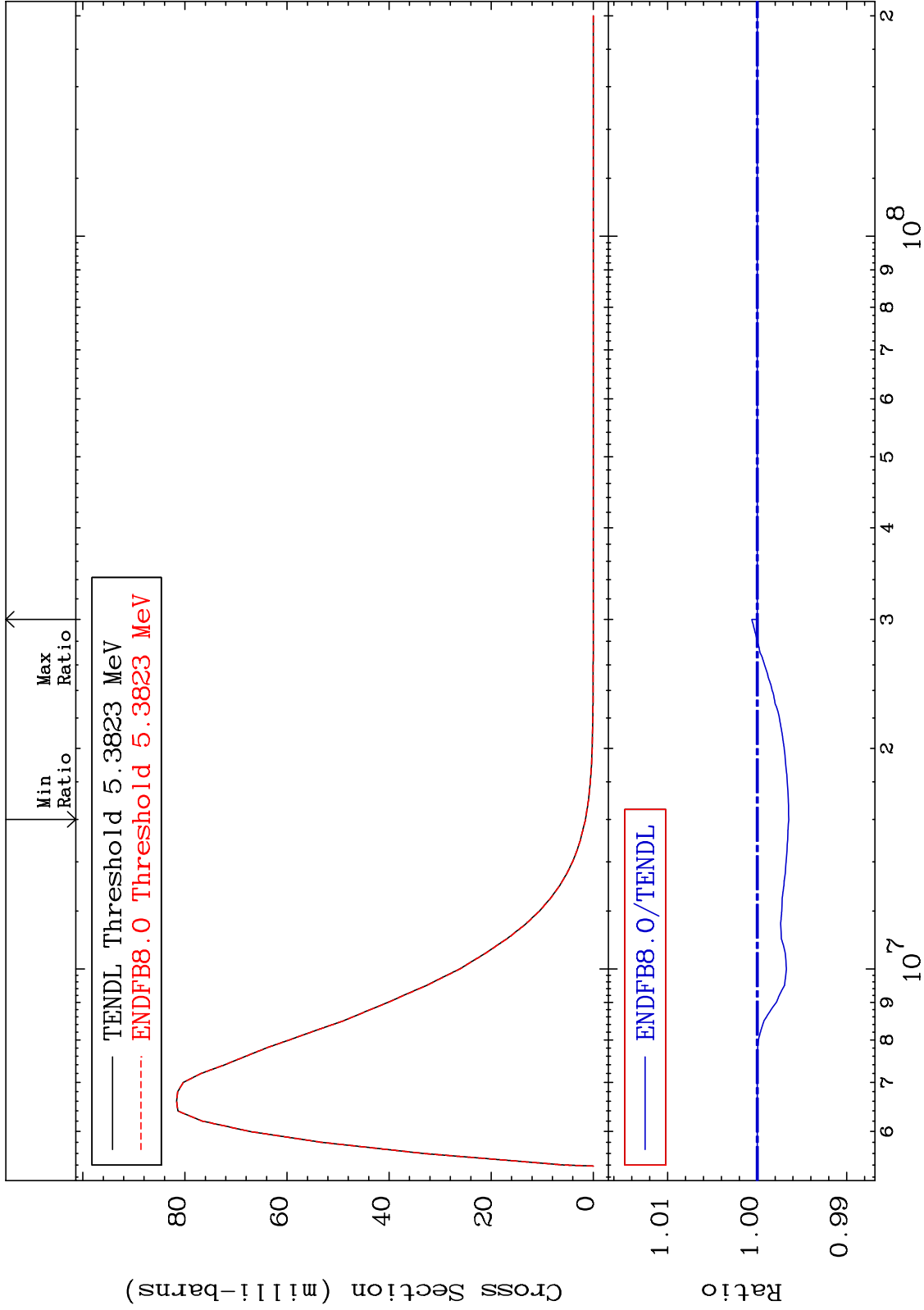
MAT 1031 MT= 53 (n,n') Level Cross Section 10-Ne-22
 -0.407 To 0.003 %



MAT 1031

MT= 54 (n,n') Level
Cross Section

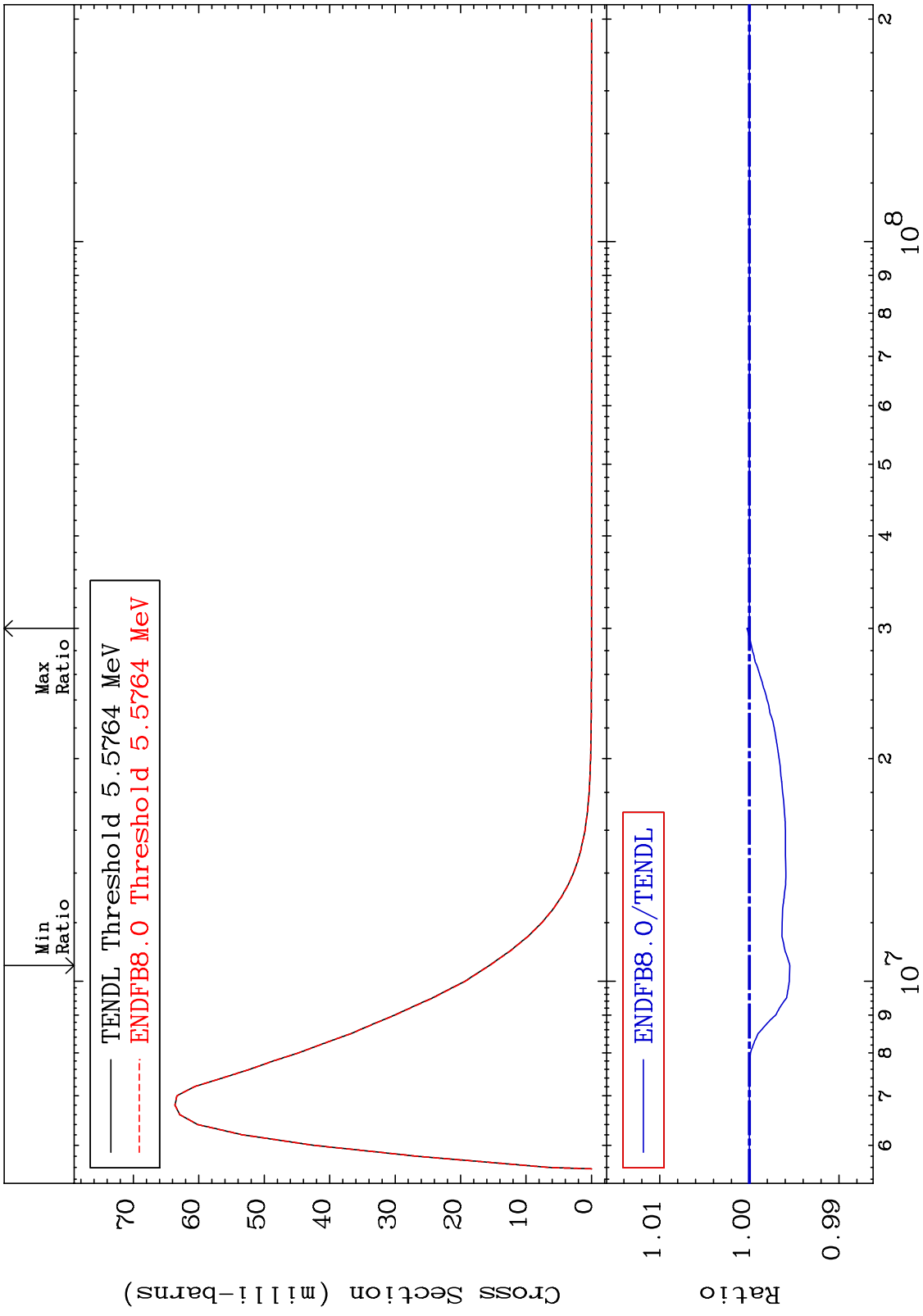
10-Ne-22
-0.352 To 0.061 %



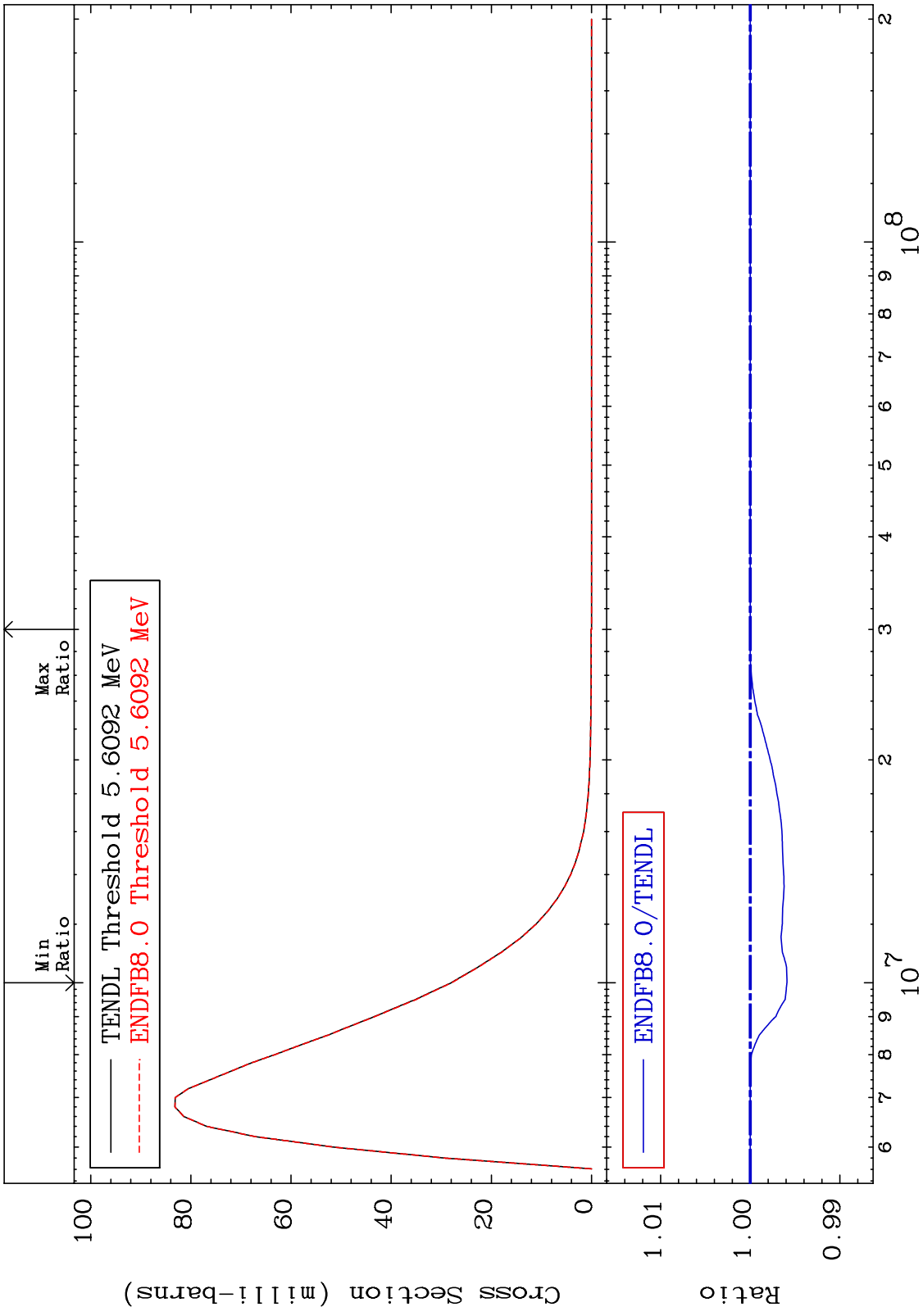
22

10-Ne-22

MAT 1031 MT= 55 (n,n') Level Cross Section 10-Ne-22
 -0.452 To 0.027 %



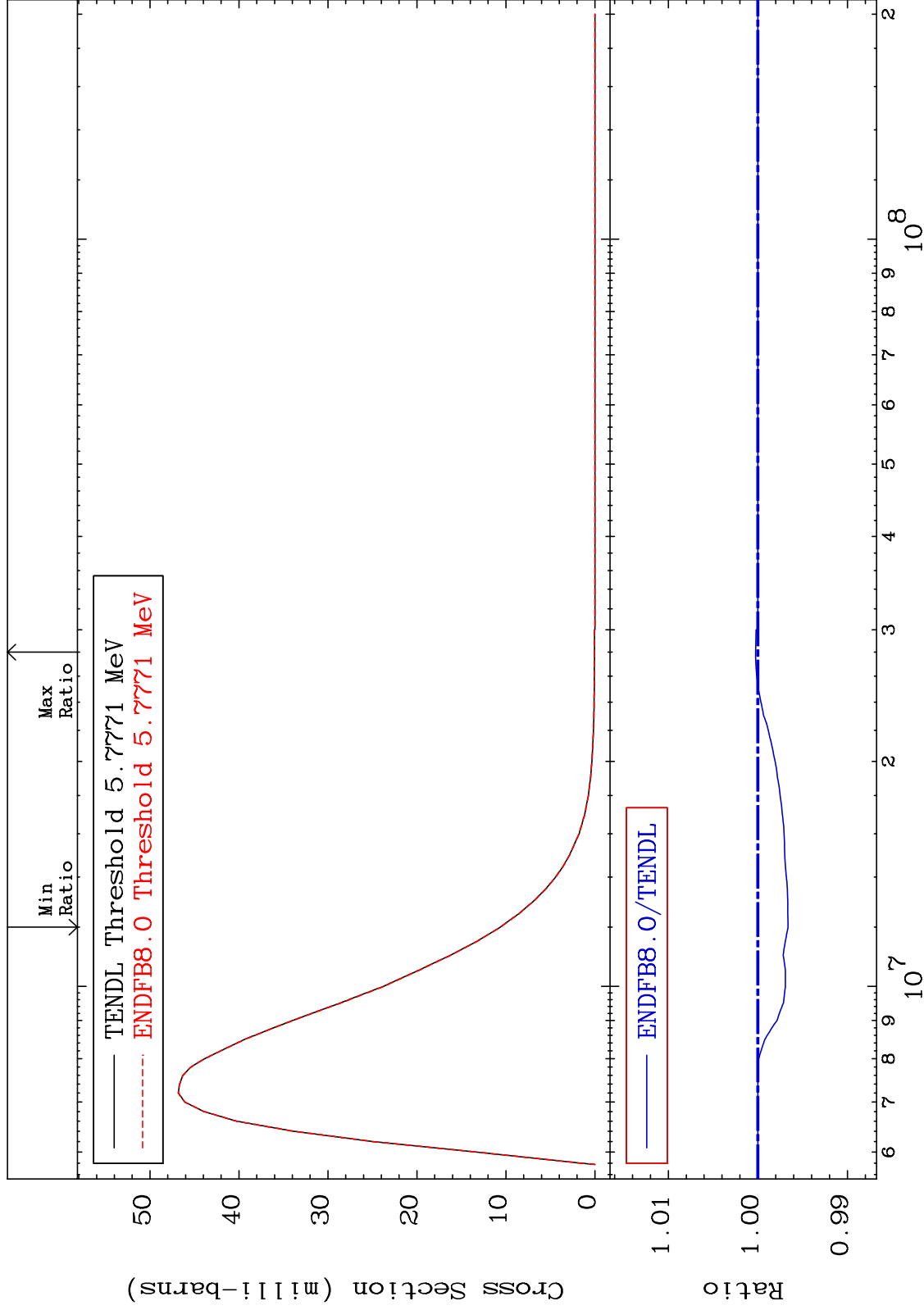
MAT 1031 MT= 56 (n,n') Level Cross Section 10-Ne-22 -0.410 To 0.003 %



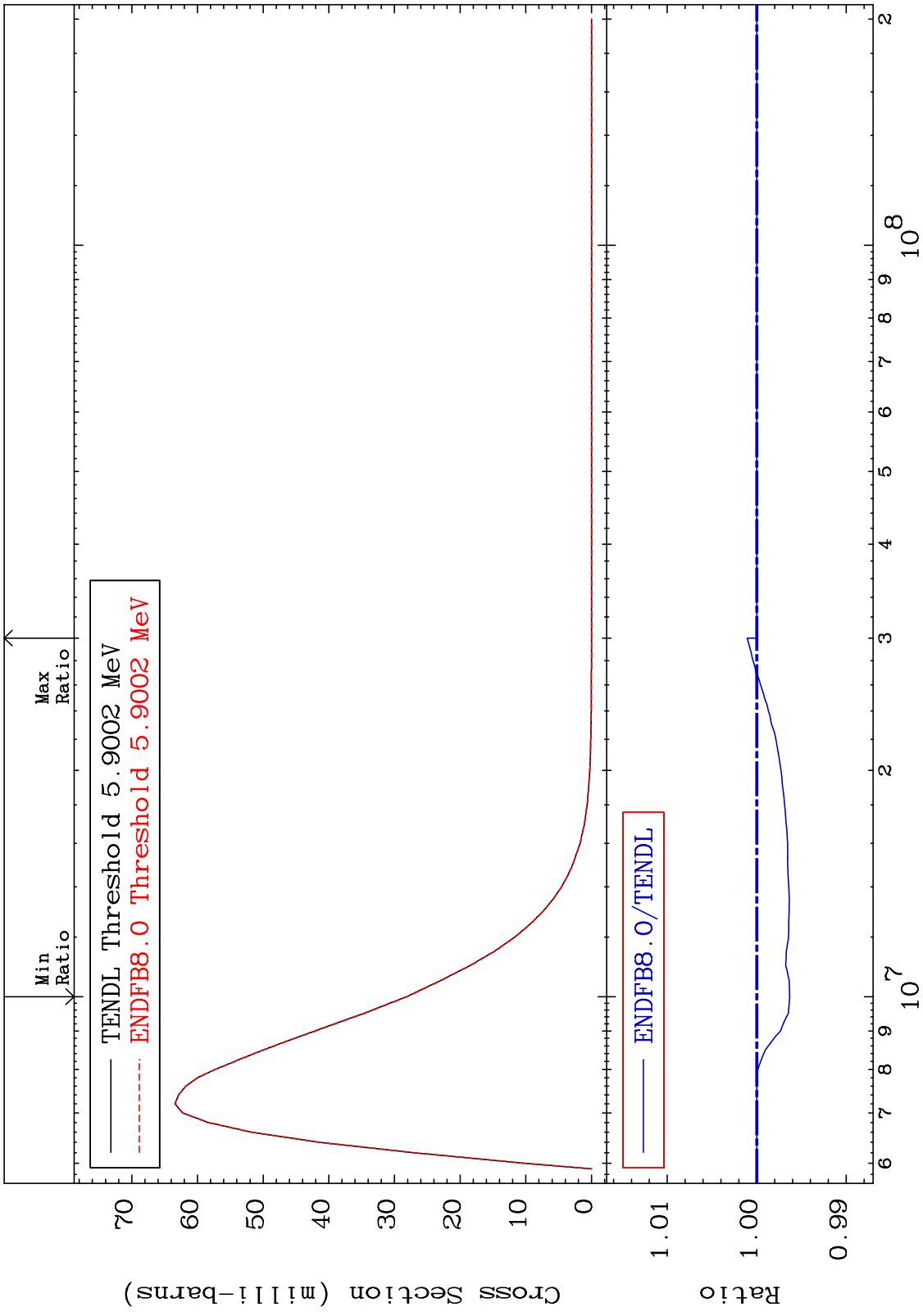
MAT 1031

MT= 57 (n,n') Level
Cross Section

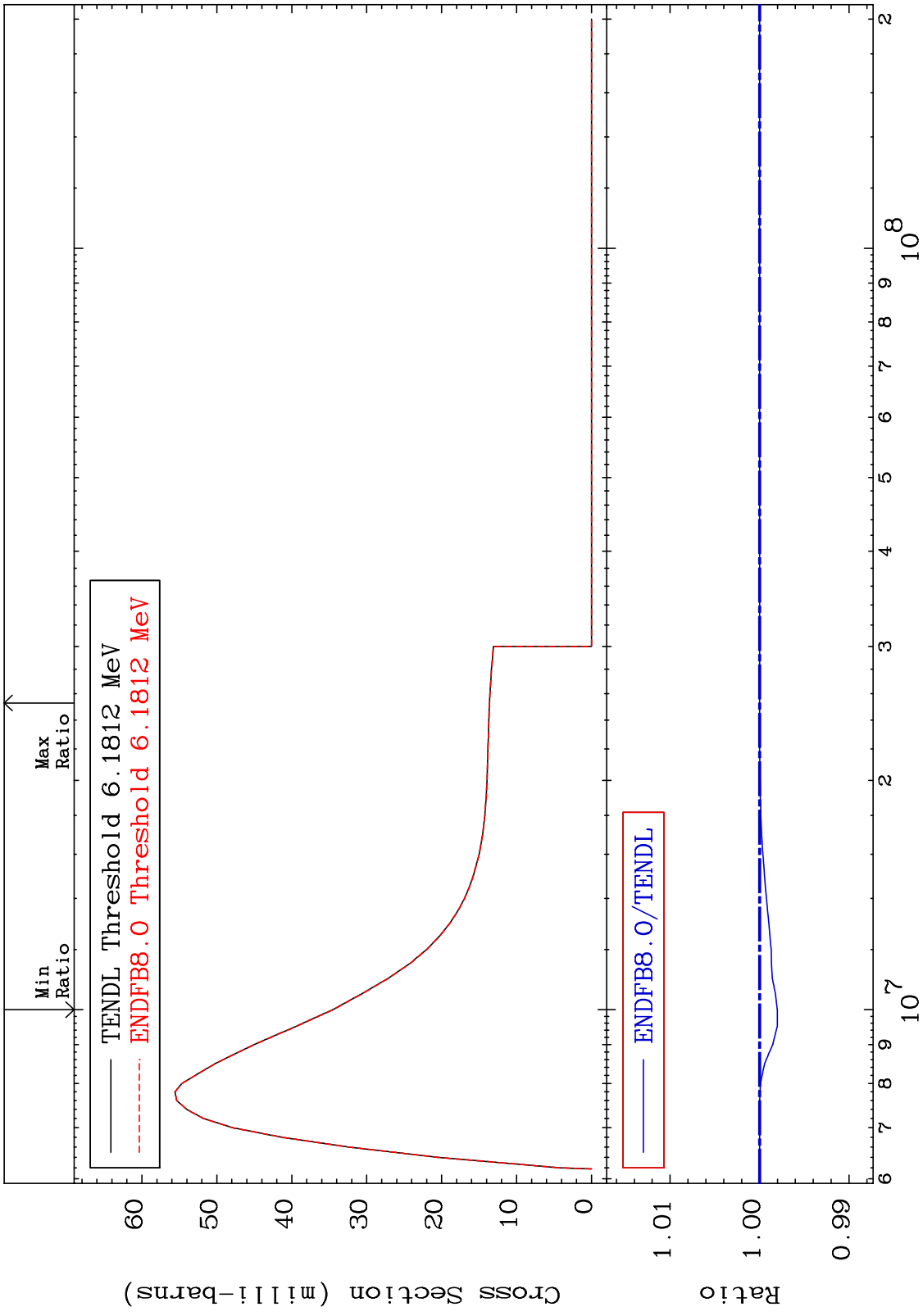
10-Ne-22
-0.3337 To 0.024 %



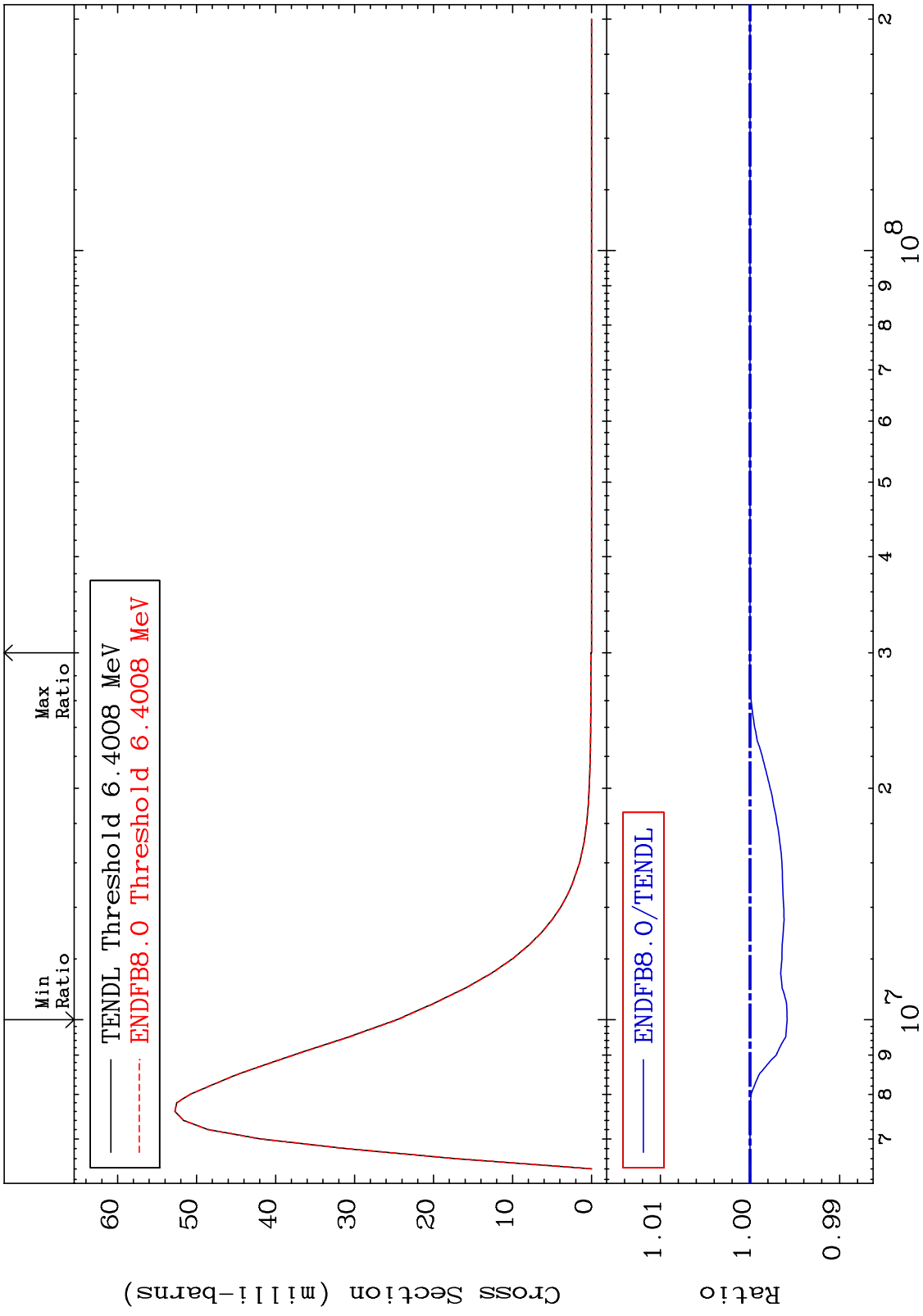
MAT 1031 MT= 58 (n,n') Level Cross Section 10-Ne-22
 -0.368 To 0.107 %



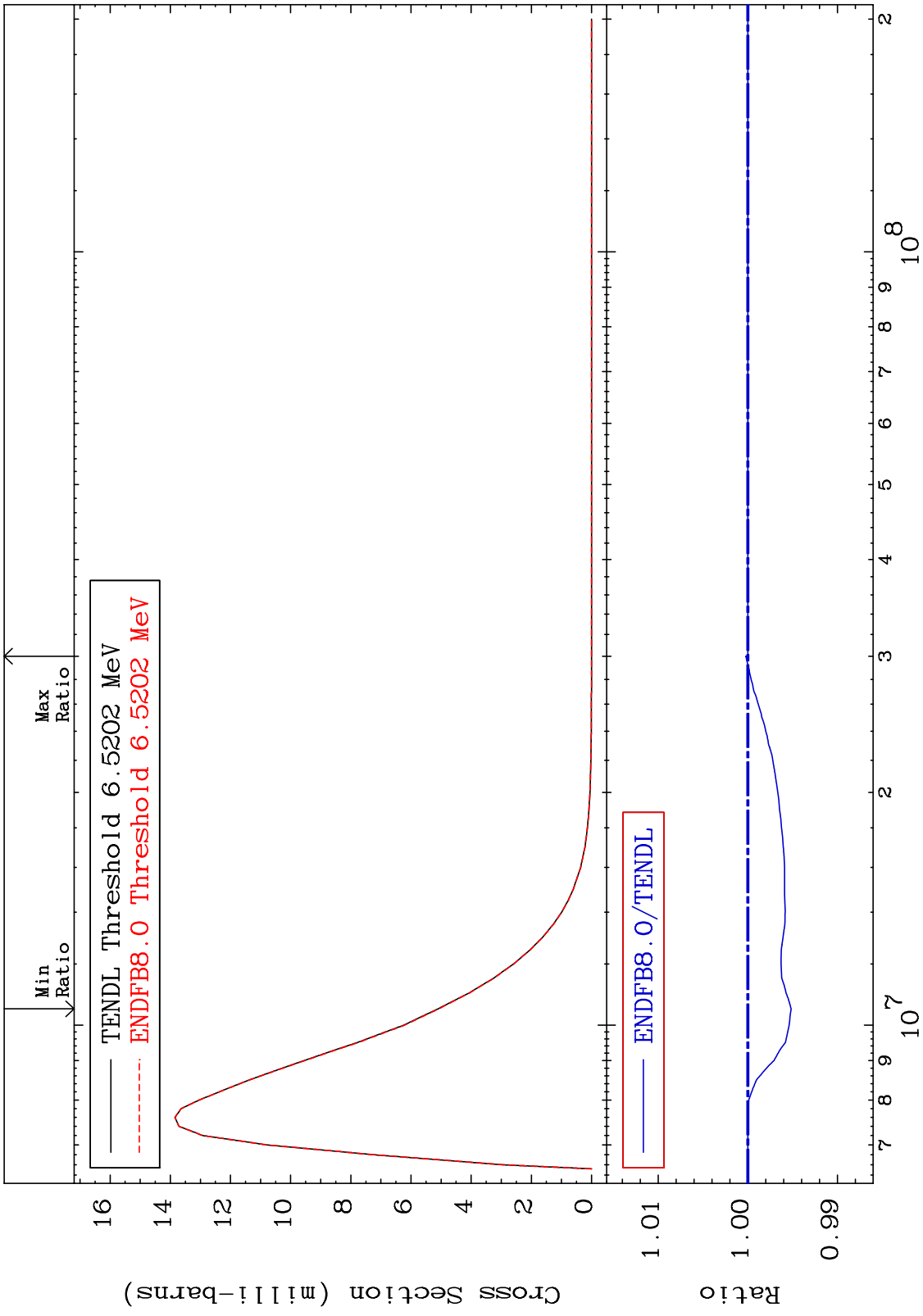
MAT 1031 MT= 59 (n,n') Level Cross Section 10-Ne-22
 -0.198 To 0.000 %



MAT 1031 MT= 60 (n,n') Level Cross Section 10-Ne-22
 -0.415 To 0.003 %



MAT 1031 MT= 61 (n,n') Level Cross Section 10-Ne-22
 -0.482 To 0.024 %

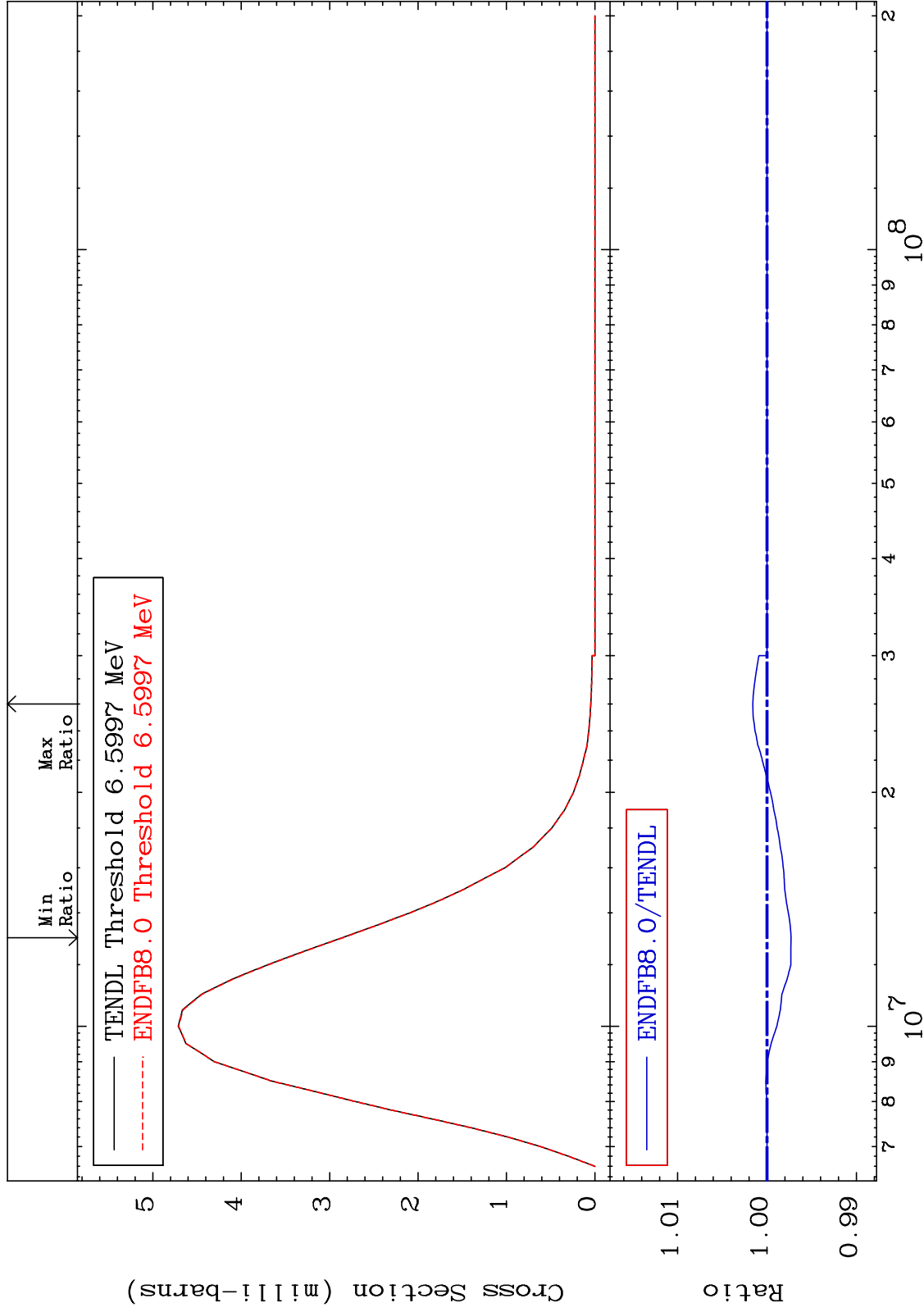


29 Incident Energy (eV) 10-Ne-22

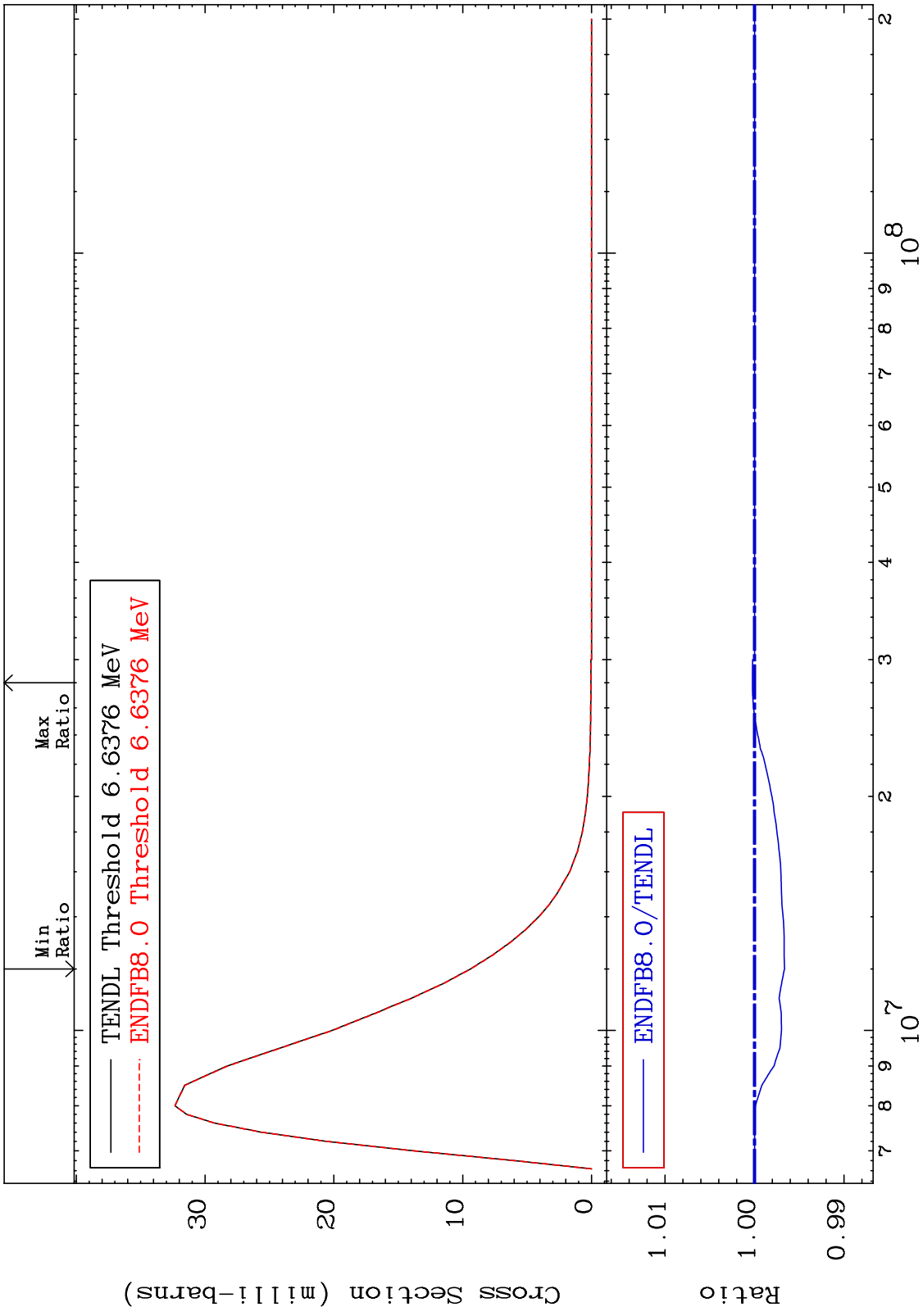
MAT 1031

MT= 62 (n,n') Level
Cross Section

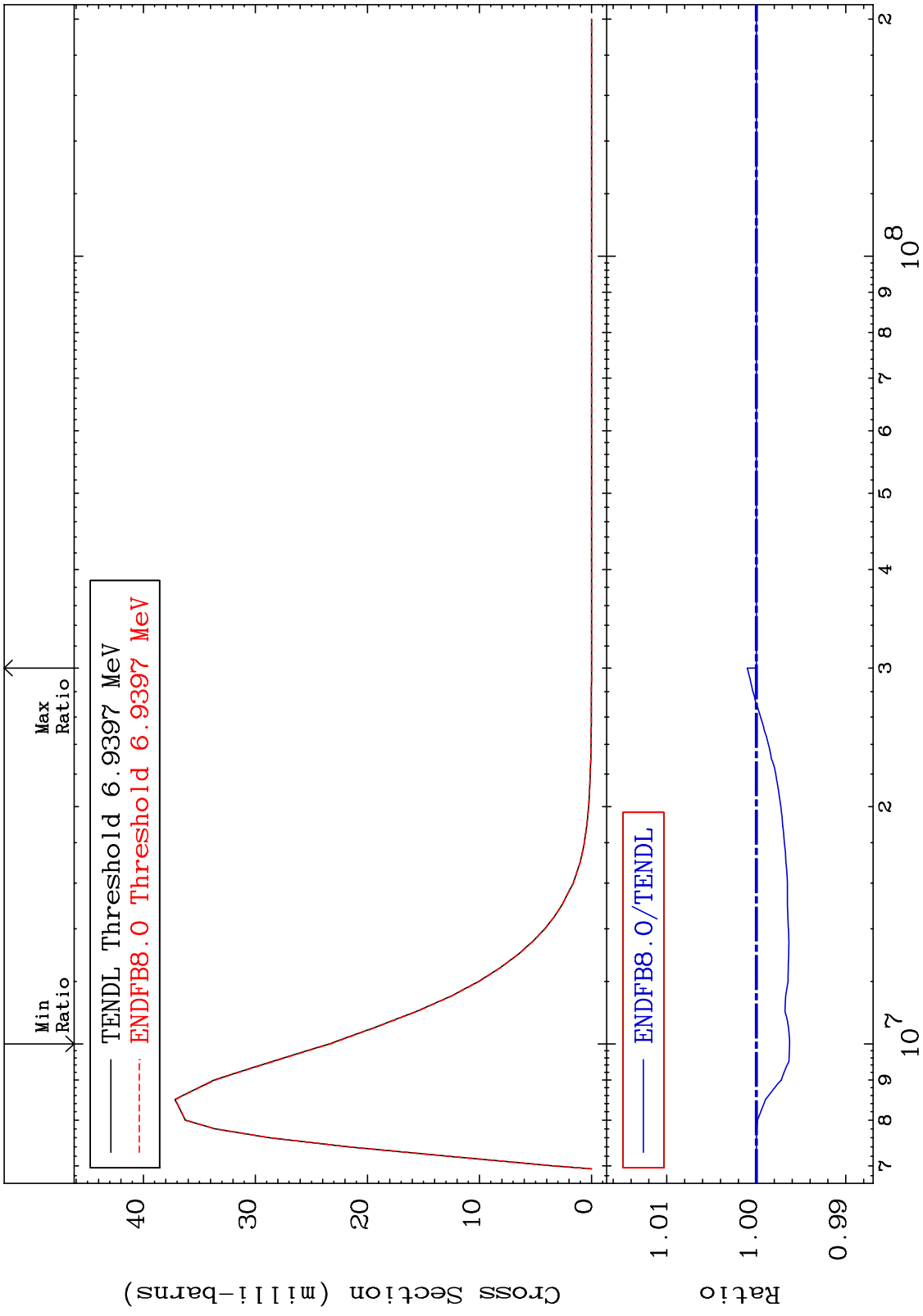
10-Ne-22
-0.269 To 0.159 %



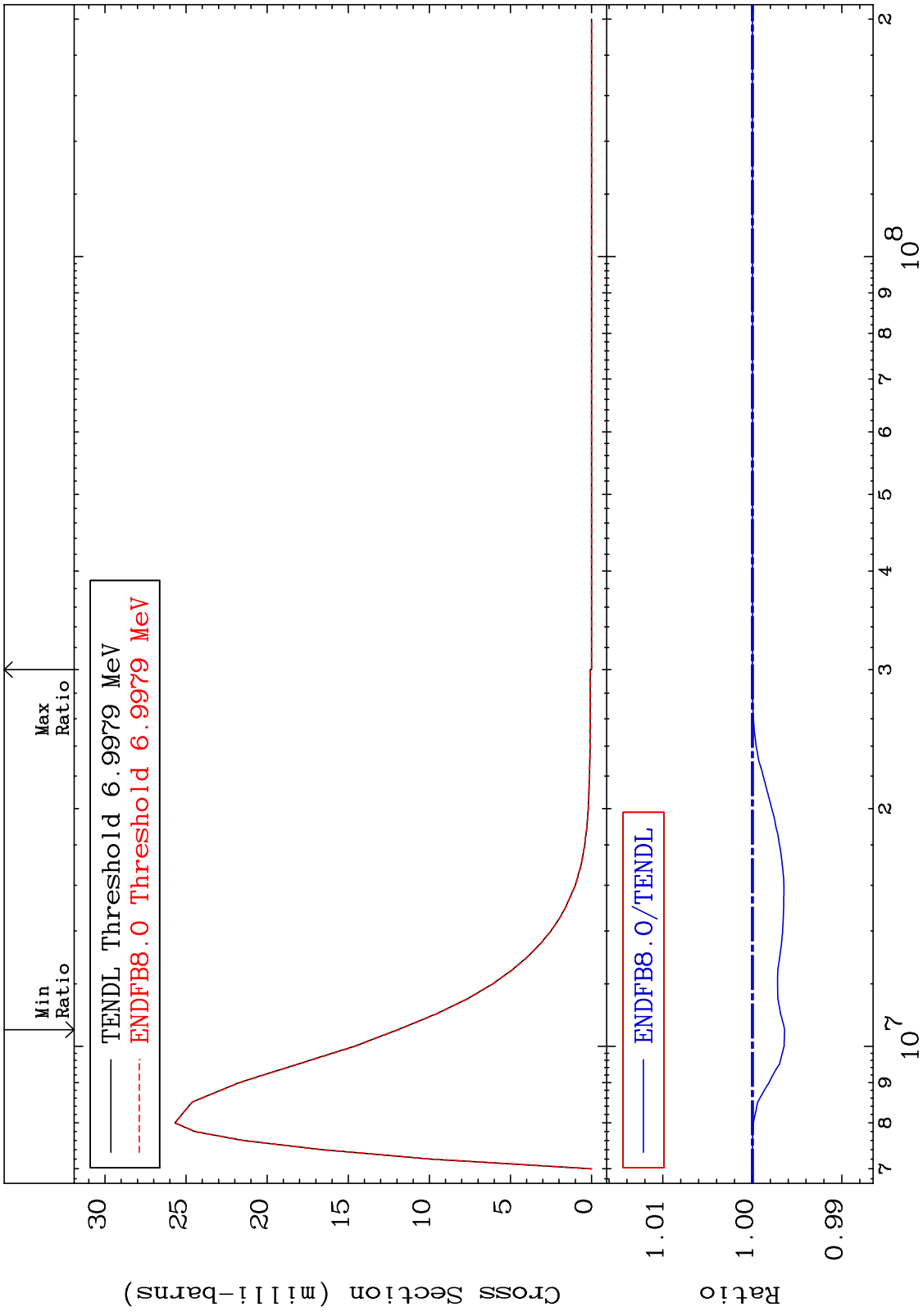
MAT 1031 MT= 63 (n,n') Level Cross Section 10-Ne-22
 -0.335 To 0.023 %



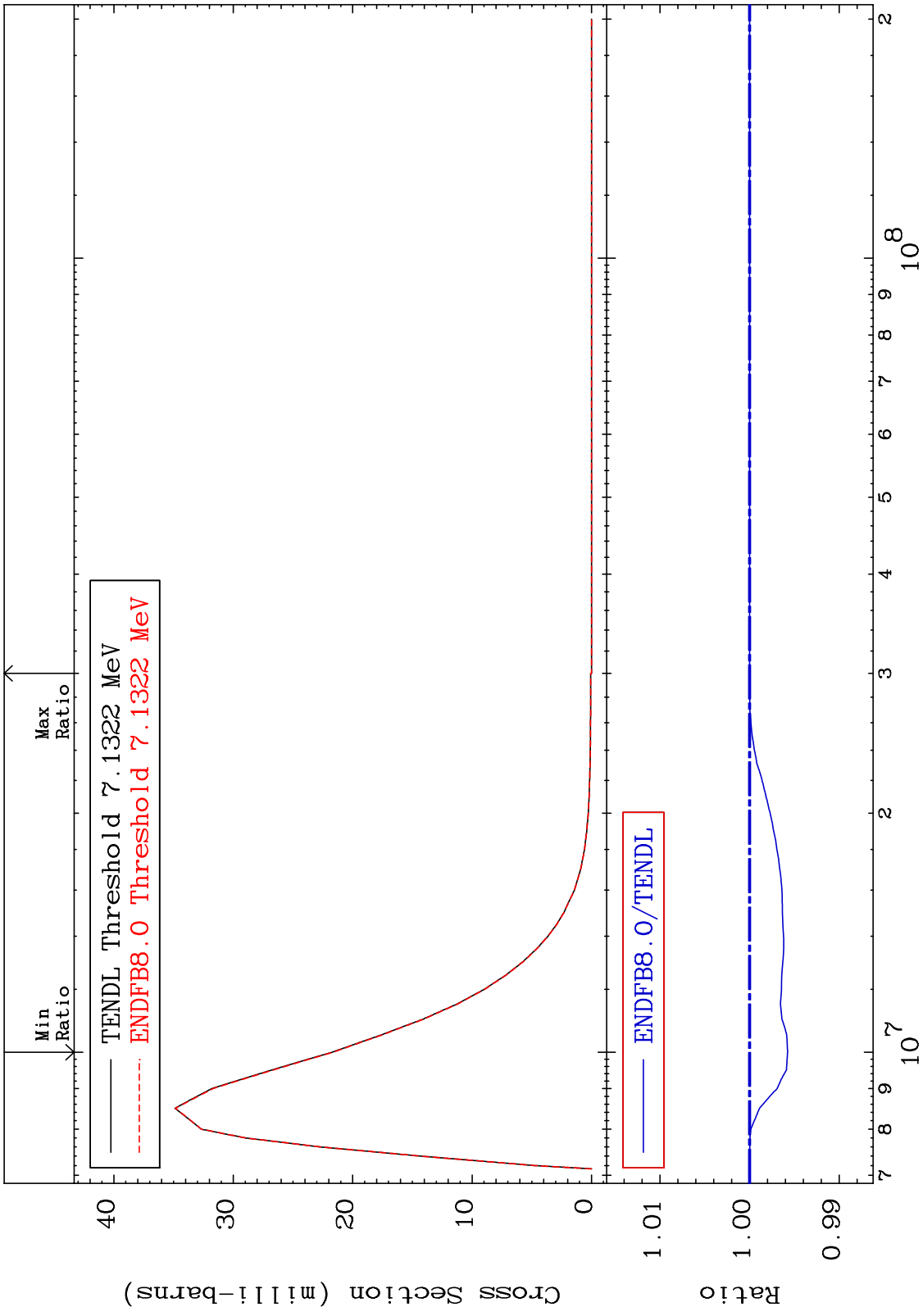
MAT 1031 MT= 64 (n,n') Level Cross Section 10-Ne-22
 -0.373 To 0.102 %



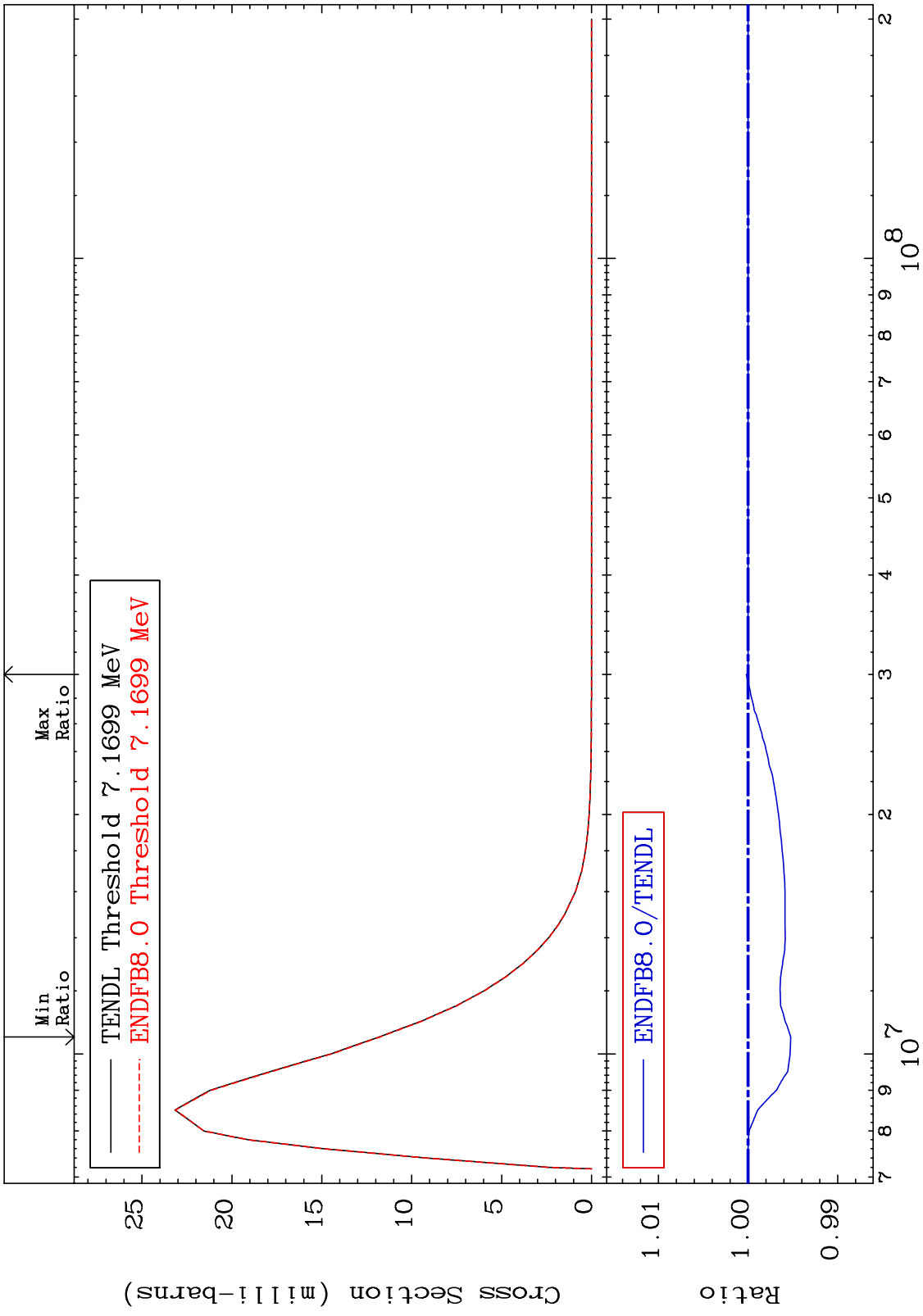
MAT 1031 MT= 65 (n,n') Level Cross Section 10-Ne-22
 -0.360 To 0.000 %



MAT 1031 MT= 66 (n,n') Level Cross Section 10-Ne-22
 -0.424 To 0.003 %

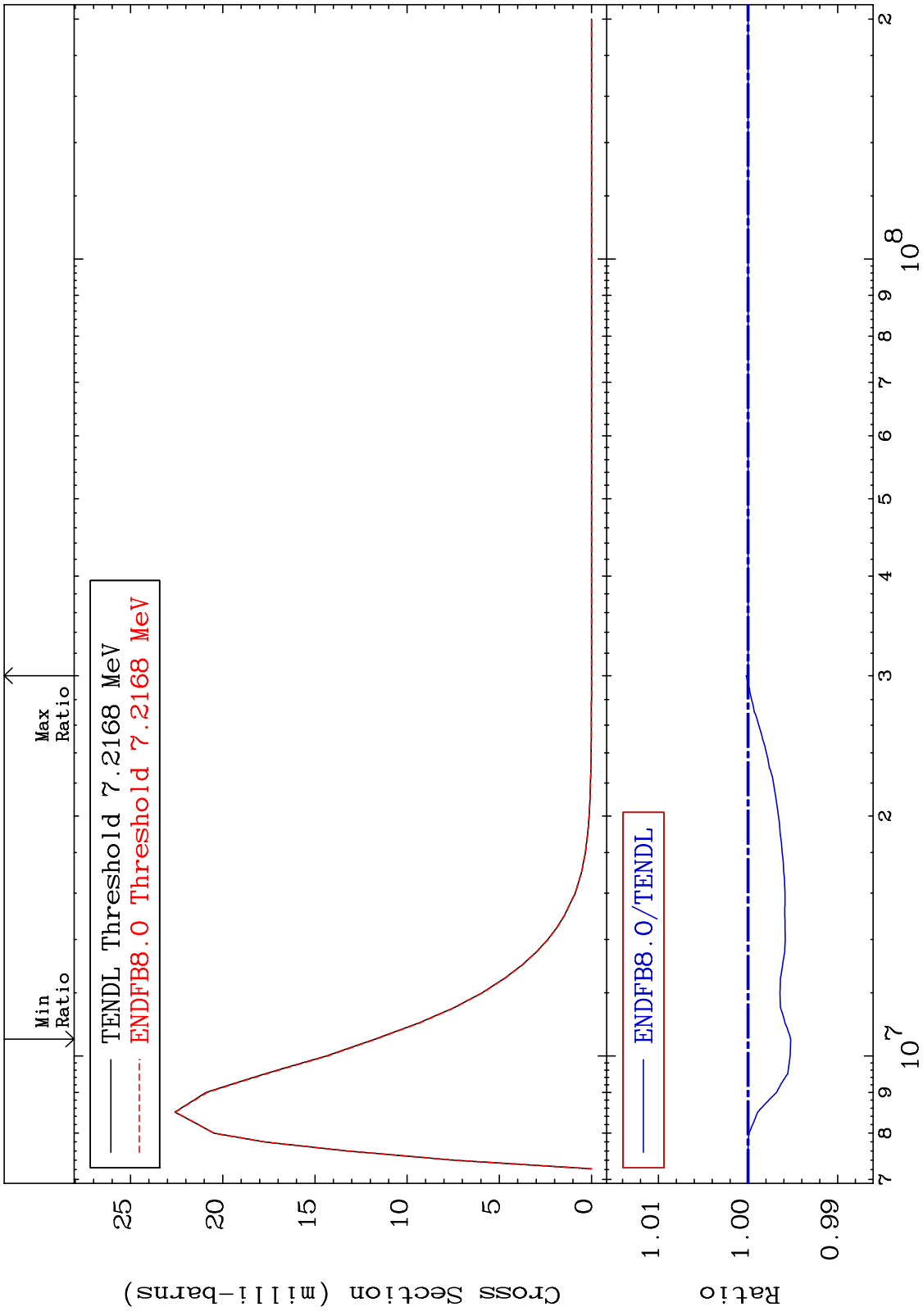


MAT 1031 MT= 67 (n,n') Level Cross Section 10-Ne-22
 -0.475 To 0.020 %

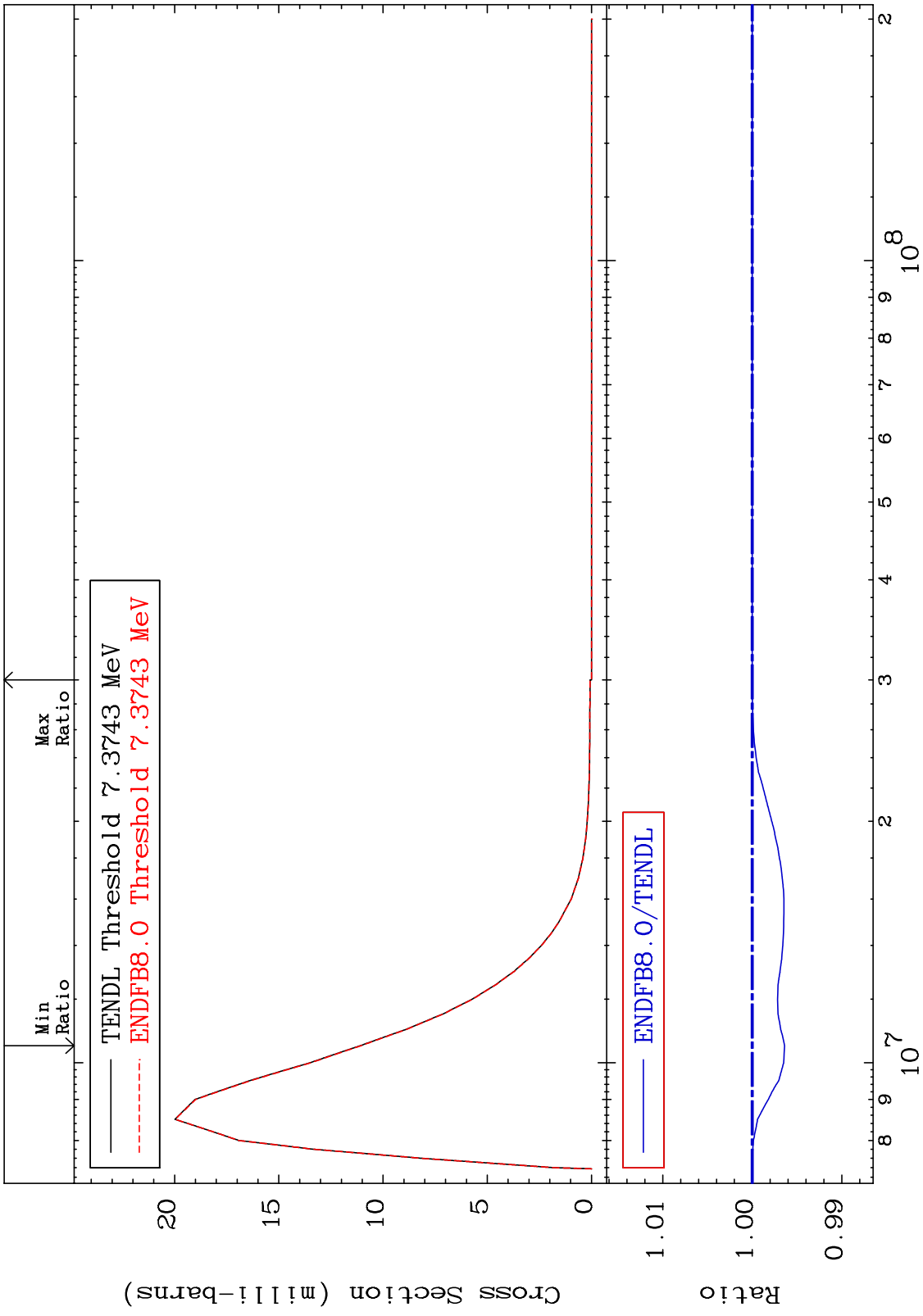


35 Incident Energy (eV) 10-Ne-22

MAT 1031 MT= 68 (n,n') Level Cross Section 10-Ne-22
 -0.477 To 0.020 %

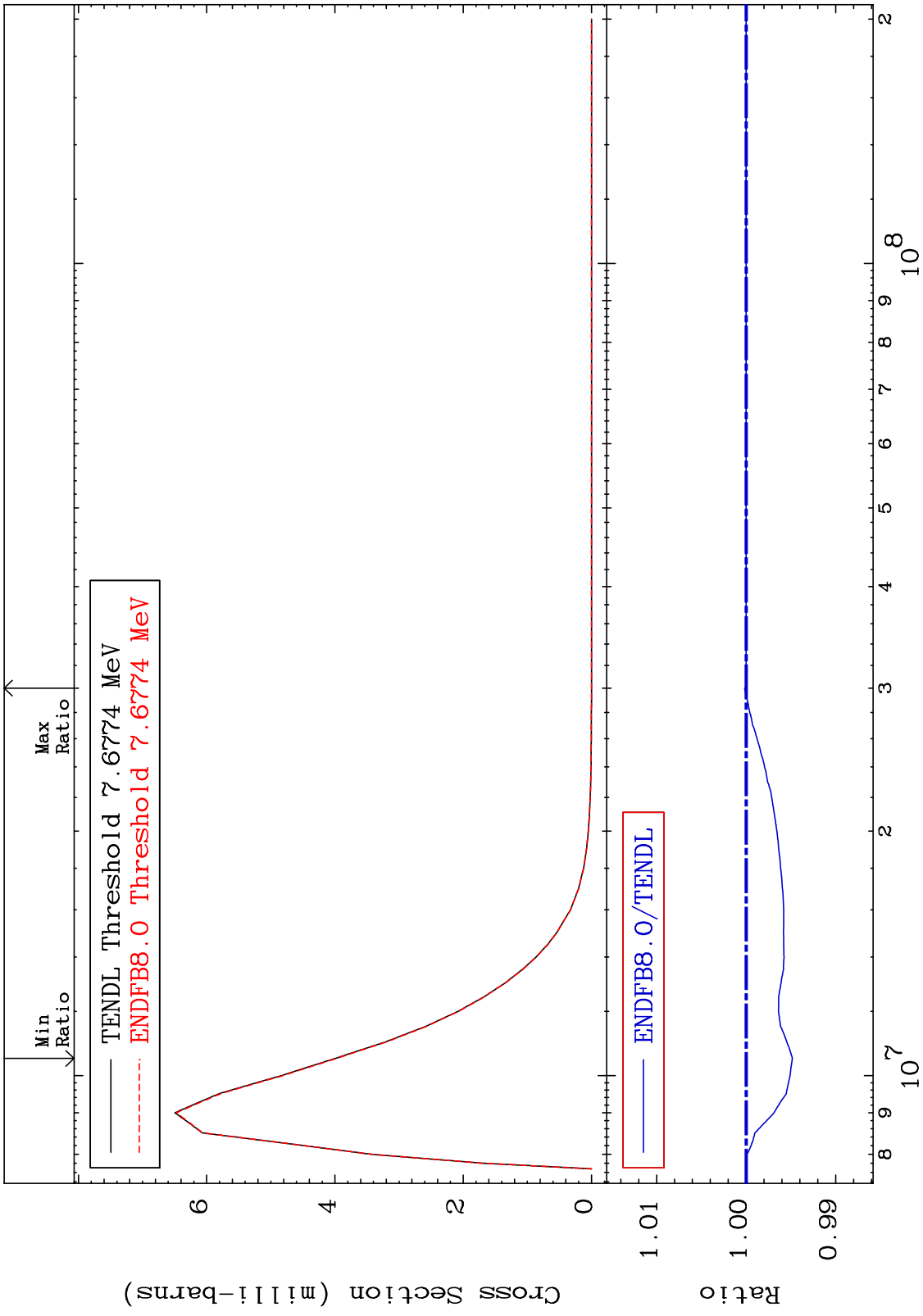


MAT 1031 MT= 69 (n,n') Level Cross Section 10-Ne-22
 -0.361 To 0.000 %

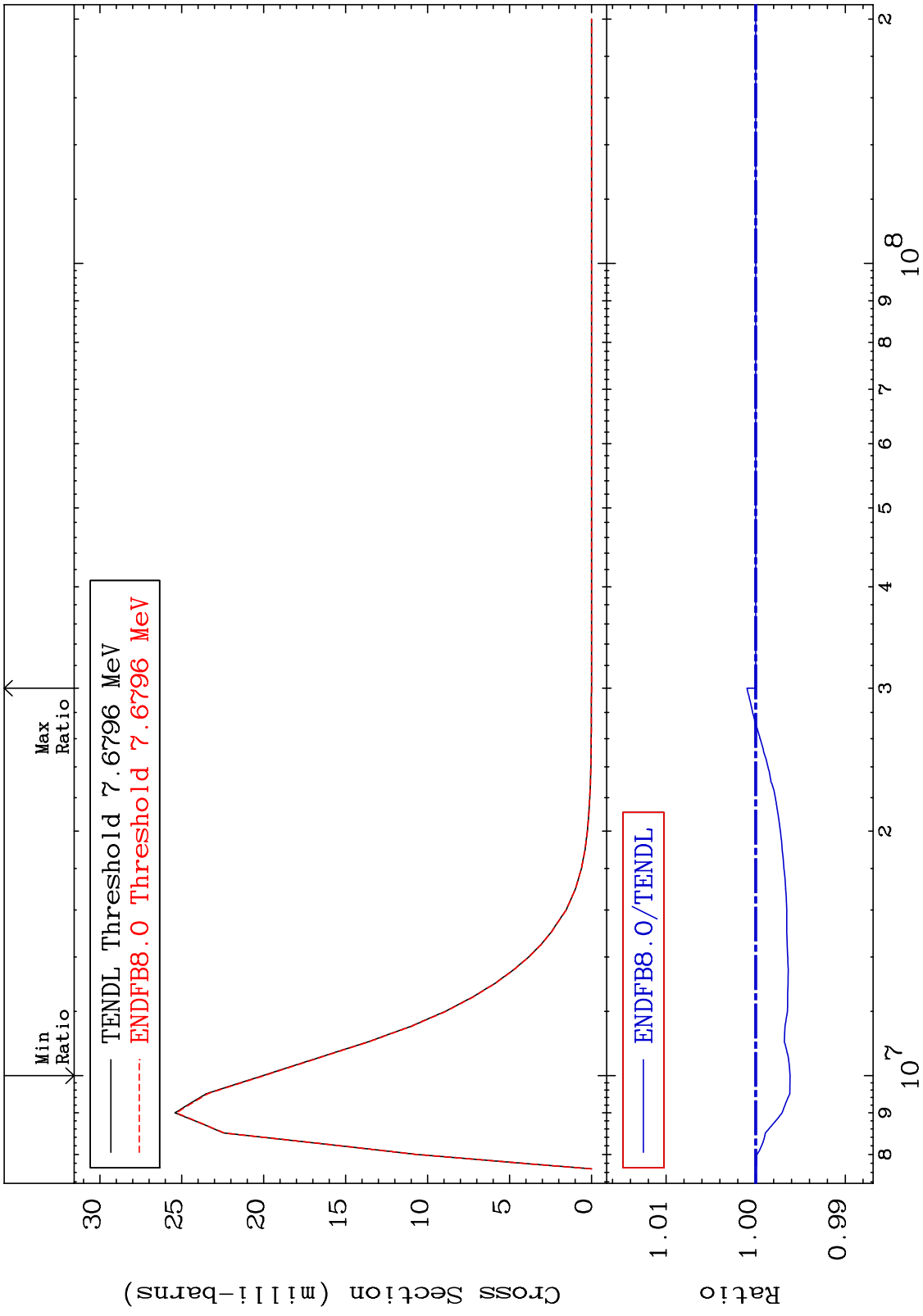


37 Incident Energy (eV) 10-Ne-22

MAT 1031 MT= 70 (n,n') Level Cross Section 10-Ne-22
 -0.516 To 0.019 %



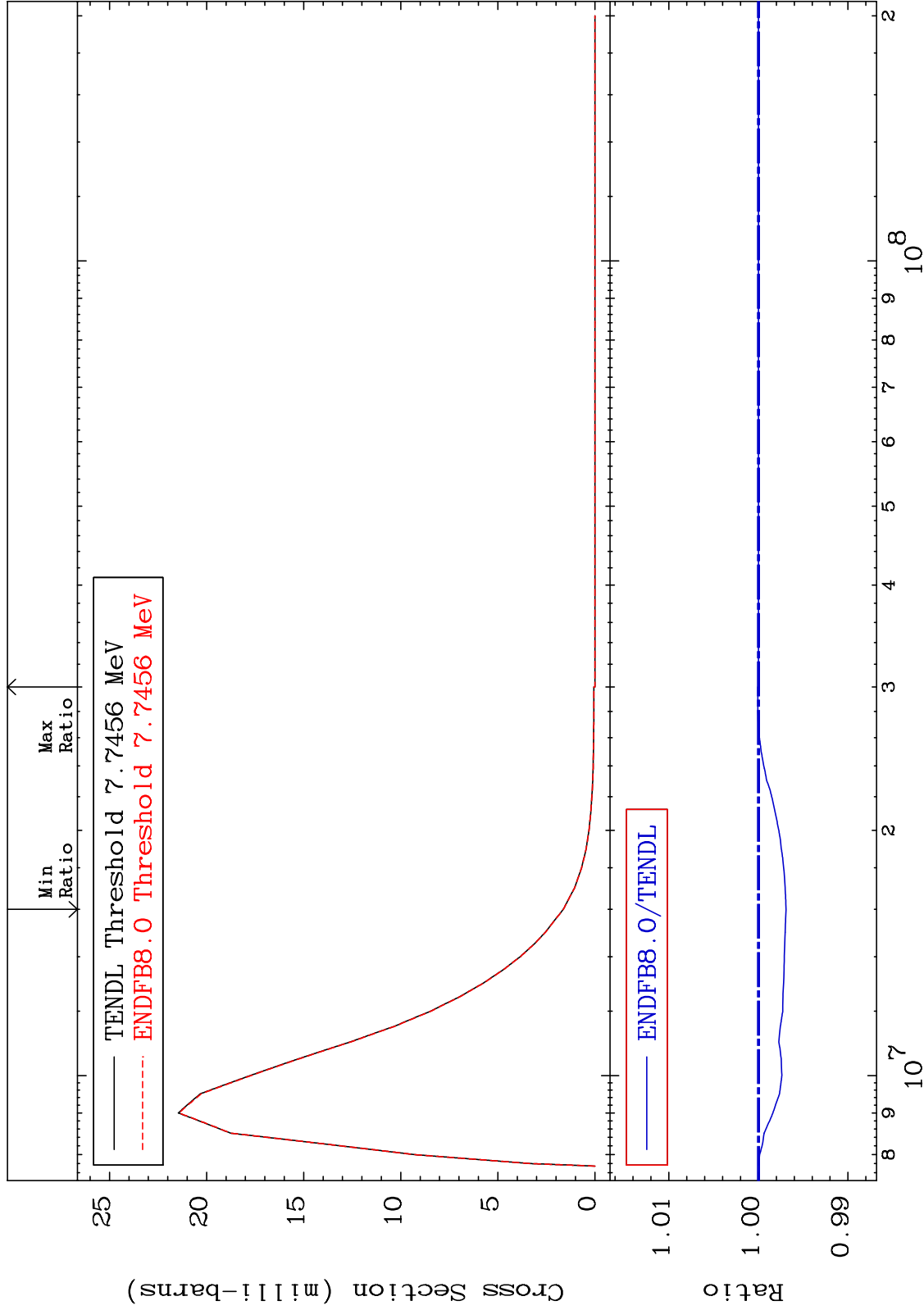
MAT 1031 MT= 71 (n,n') Level Cross Section 10-Ne-22
 -0.383 To 0.099 %



MAT 1031

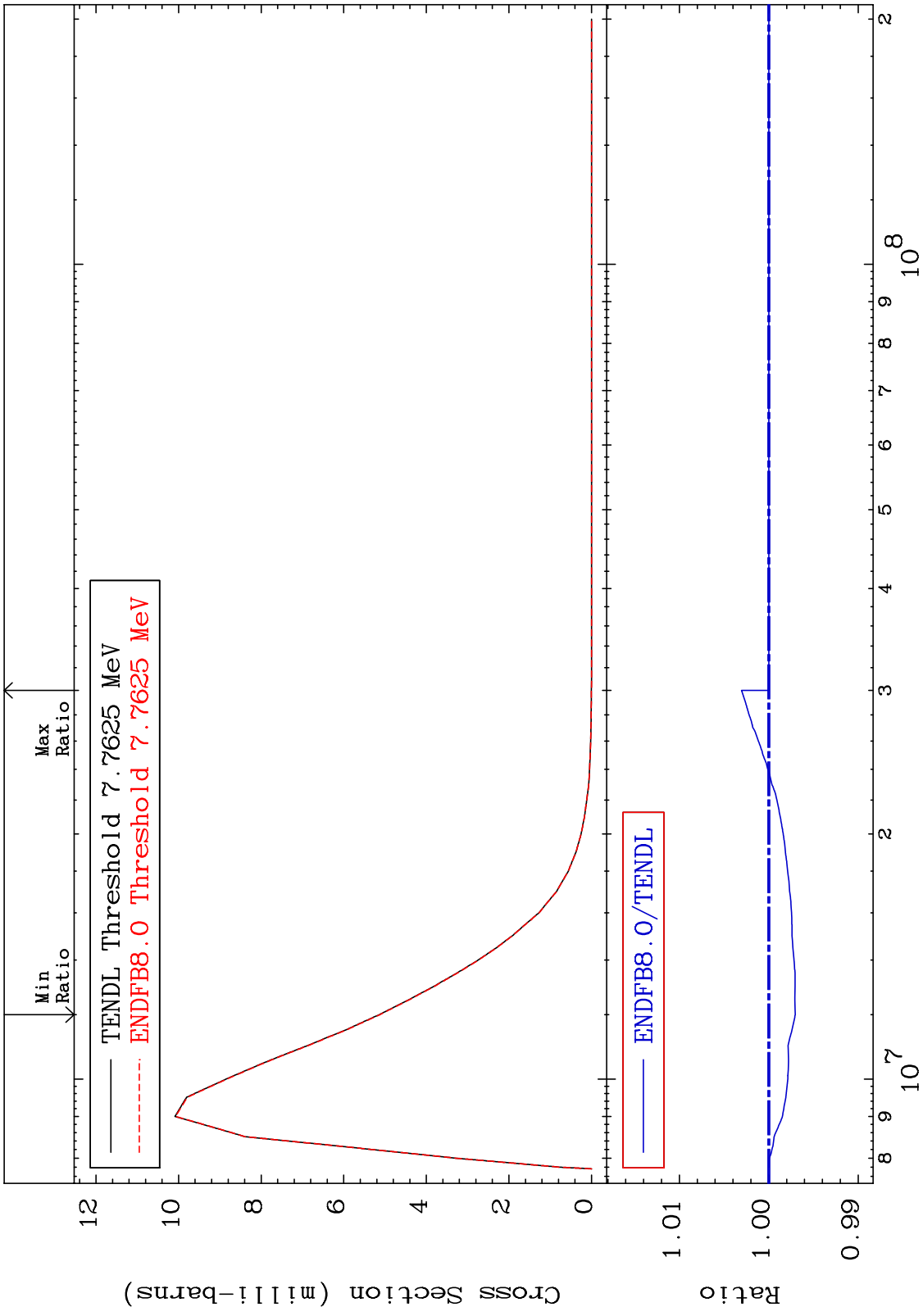
MT= 72 (n,n') Level
Cross Section

10-Ne-22
-0.308 To 0.008 %



40

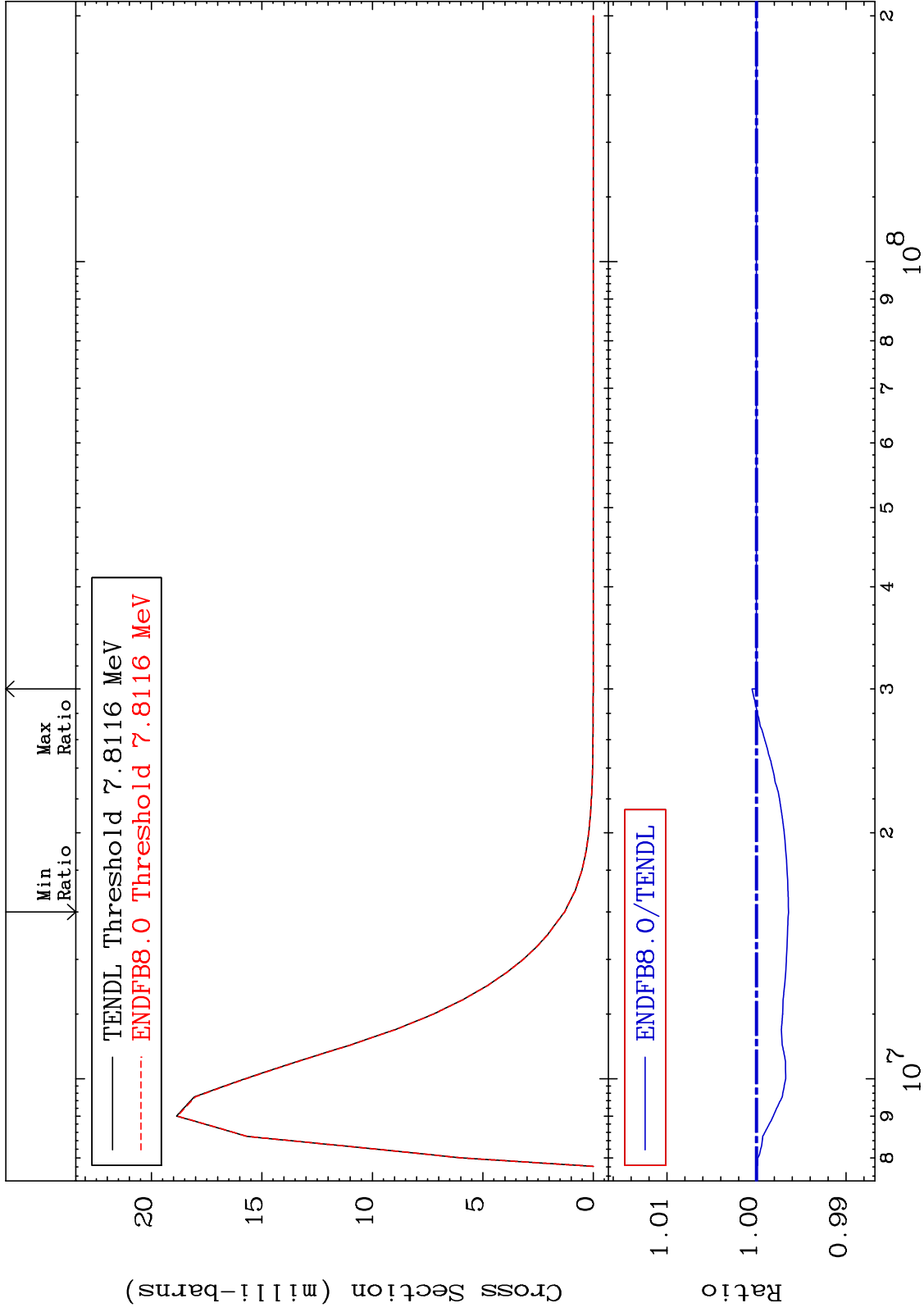
MAT 1031 MT= 73 (n,n') Level Cross Section 10-Ne-22
 -0.297 To 0.304 %



MAT 1031

MT= 74 (n,n') Level
Cross Section

10-Ne-22
-0.357 To 0.051 %

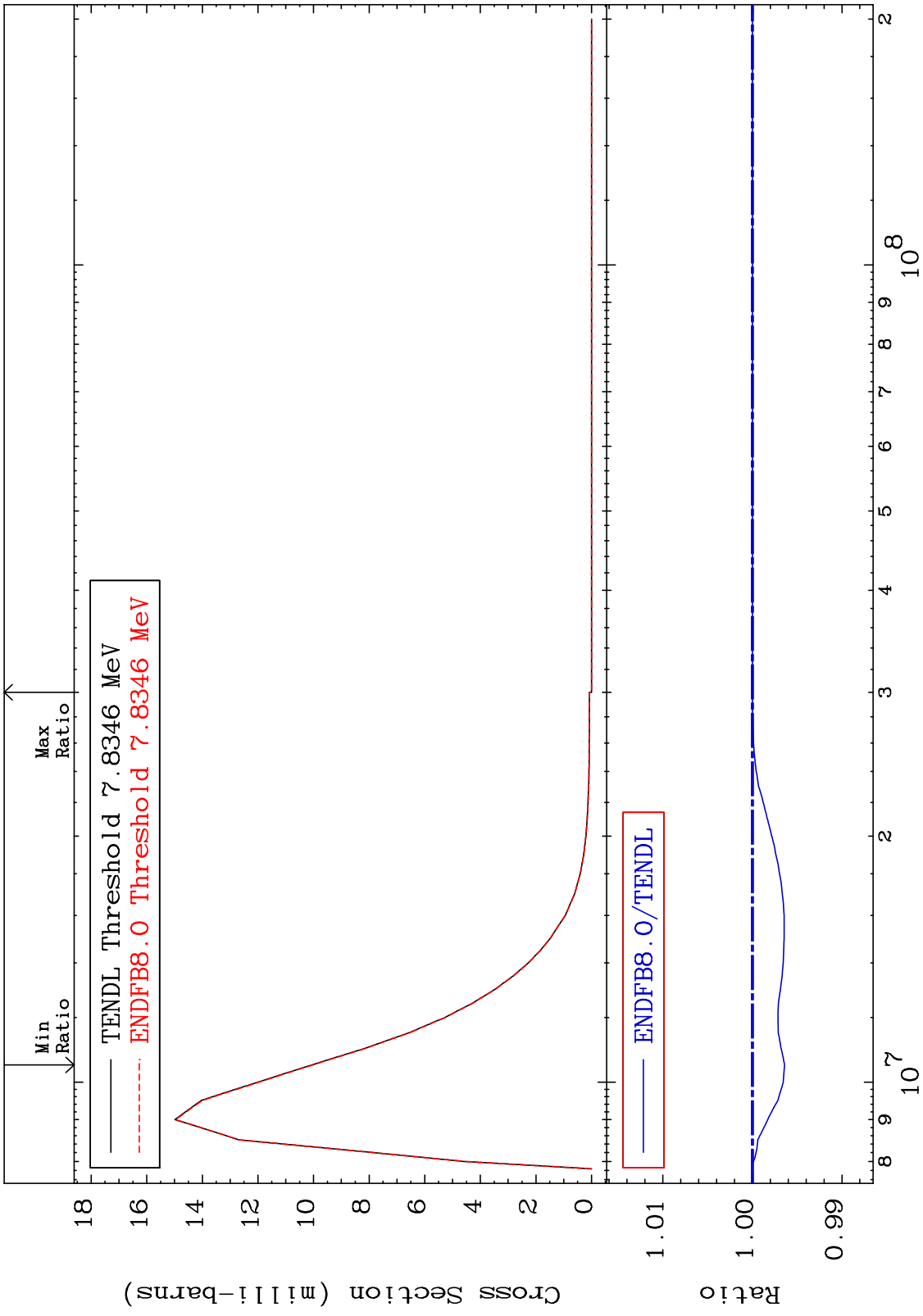


42

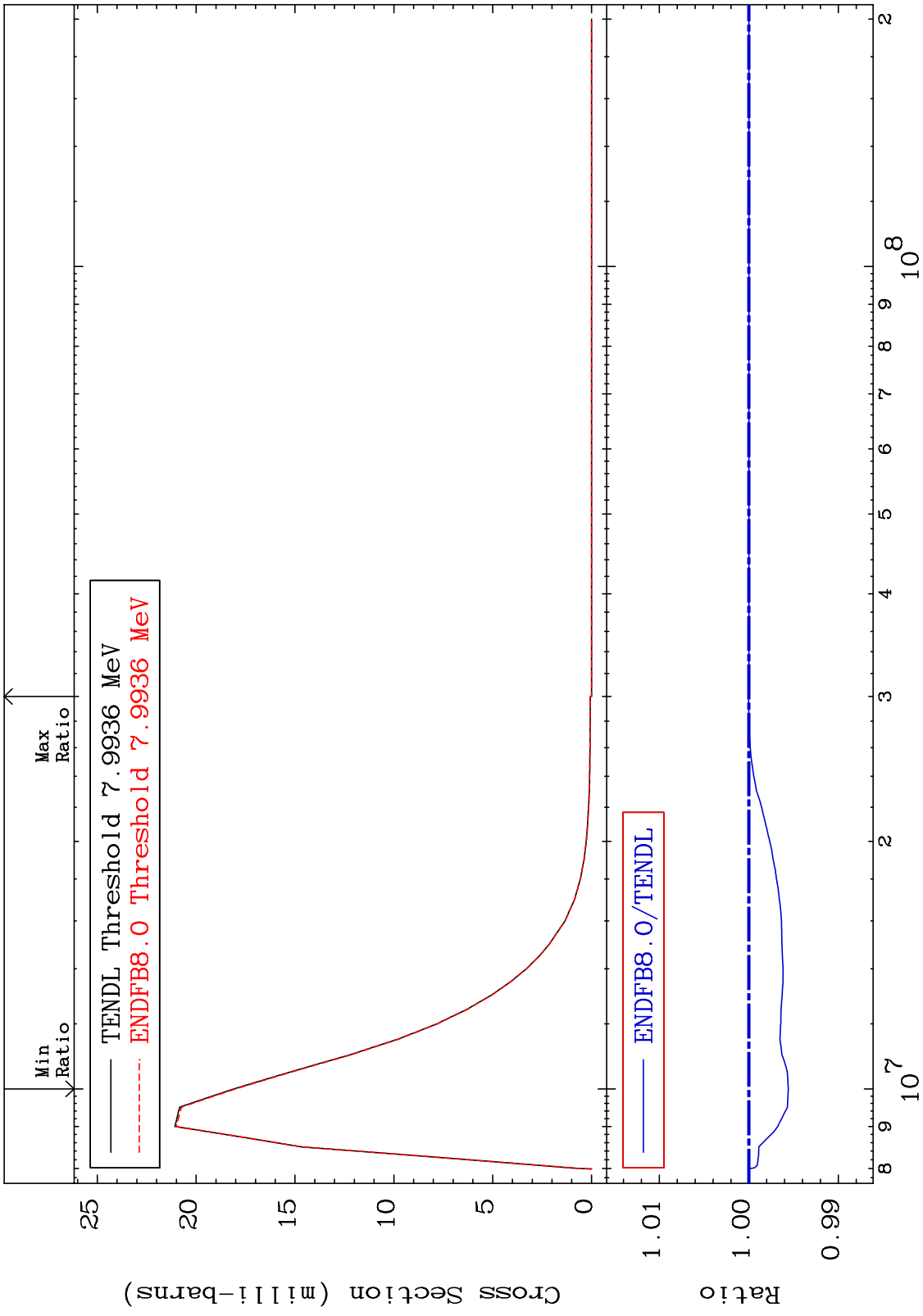
Incident Energy (eV)

10-Ne-22

MAT 1031 MT= 75 (n,n') Level Cross Section 10-Ne-22
 -0.359 To 0.000 %



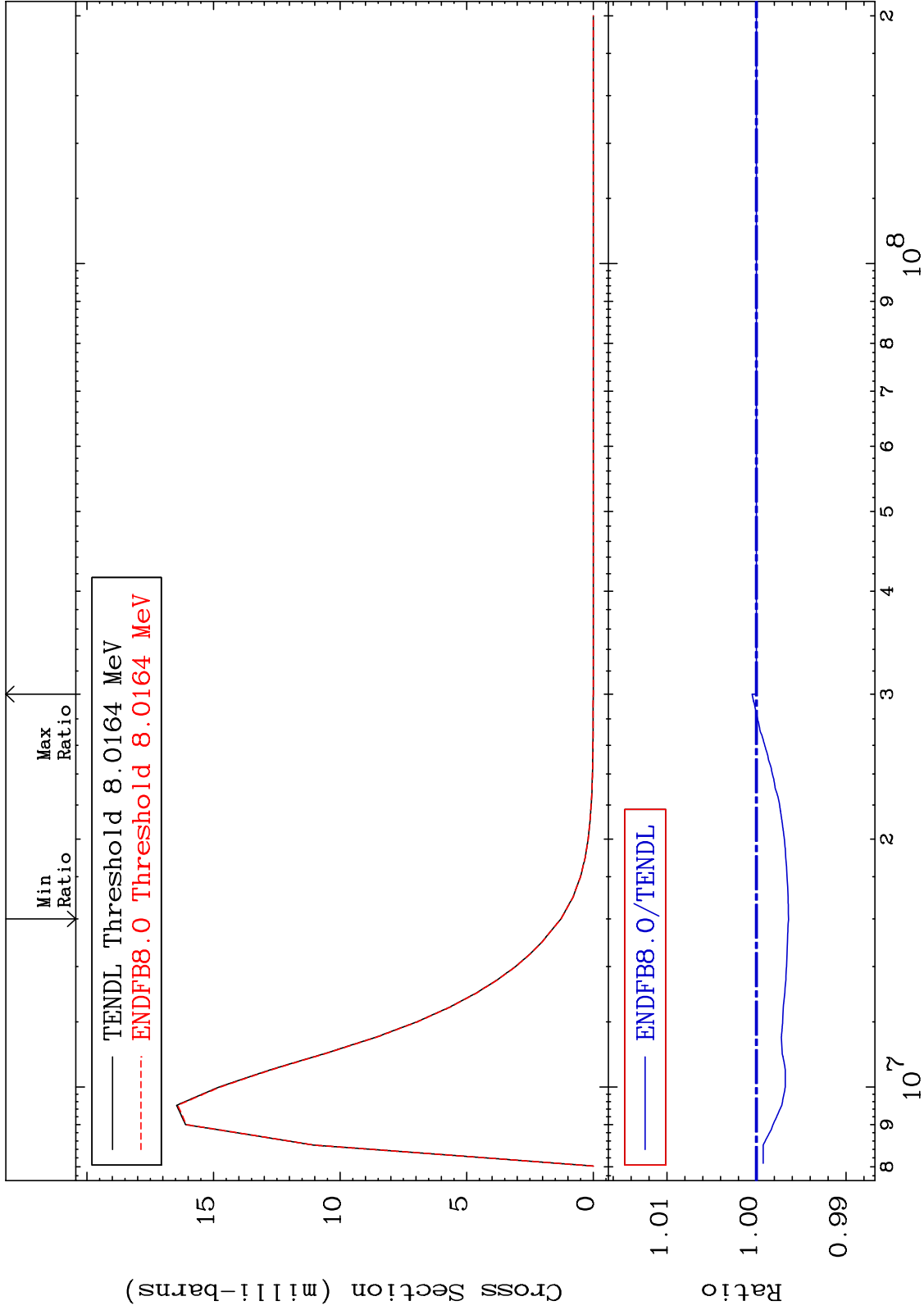
MAT 1031 MT= 76 (n,n') Level Cross Section 10-Ne-22
 -0.440 To 0.003 %



MAT 1031

MT= 77 (n,n') Level
Cross Section

10-Ne-22
-0.358 To 0.050 %

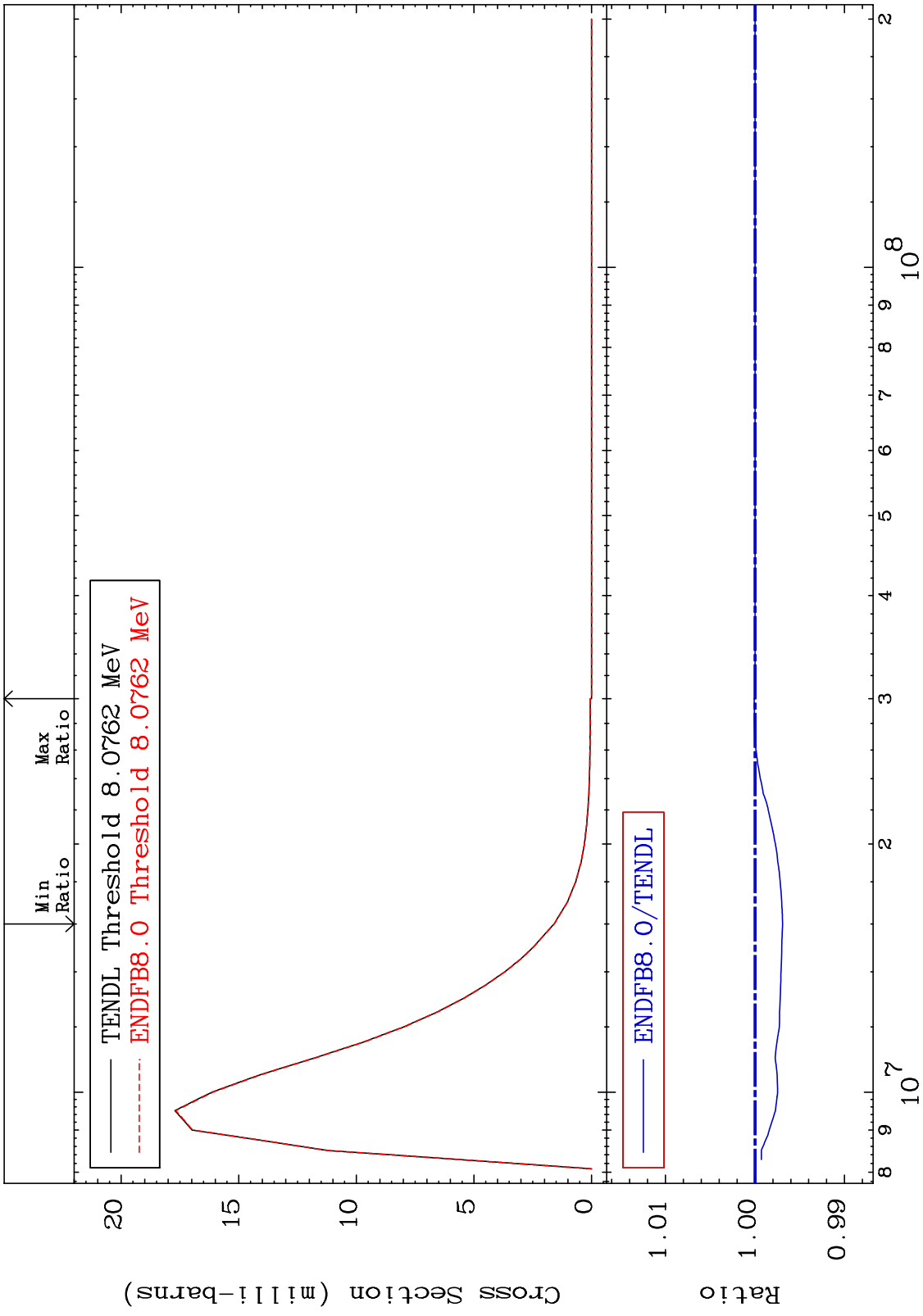


45

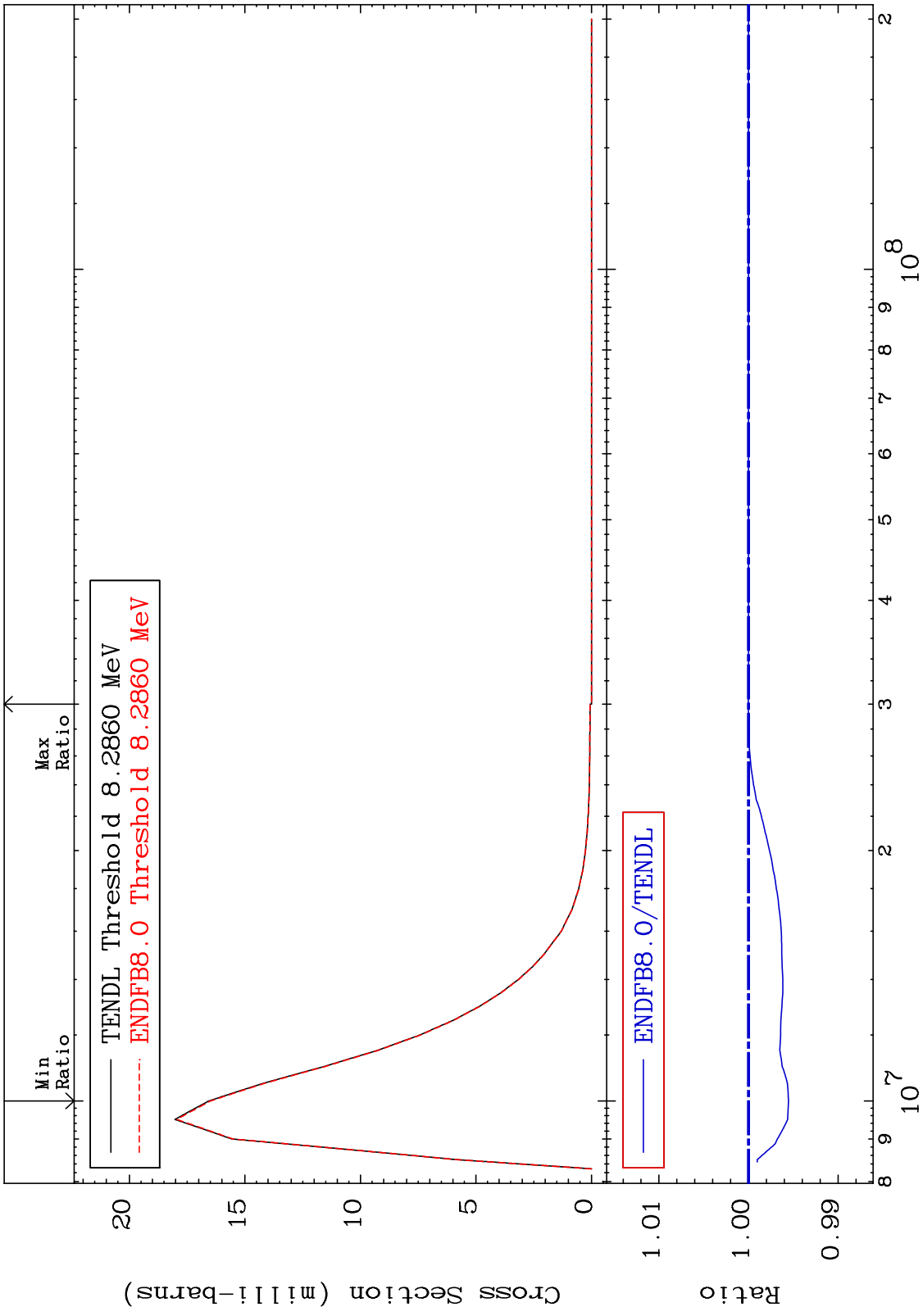
Incident Energy (eV)

10-Ne-22

MAT 1031 MT= 78 (n,n') Level Cross Section 10-Ne-22 -0.309 To 0.008 %



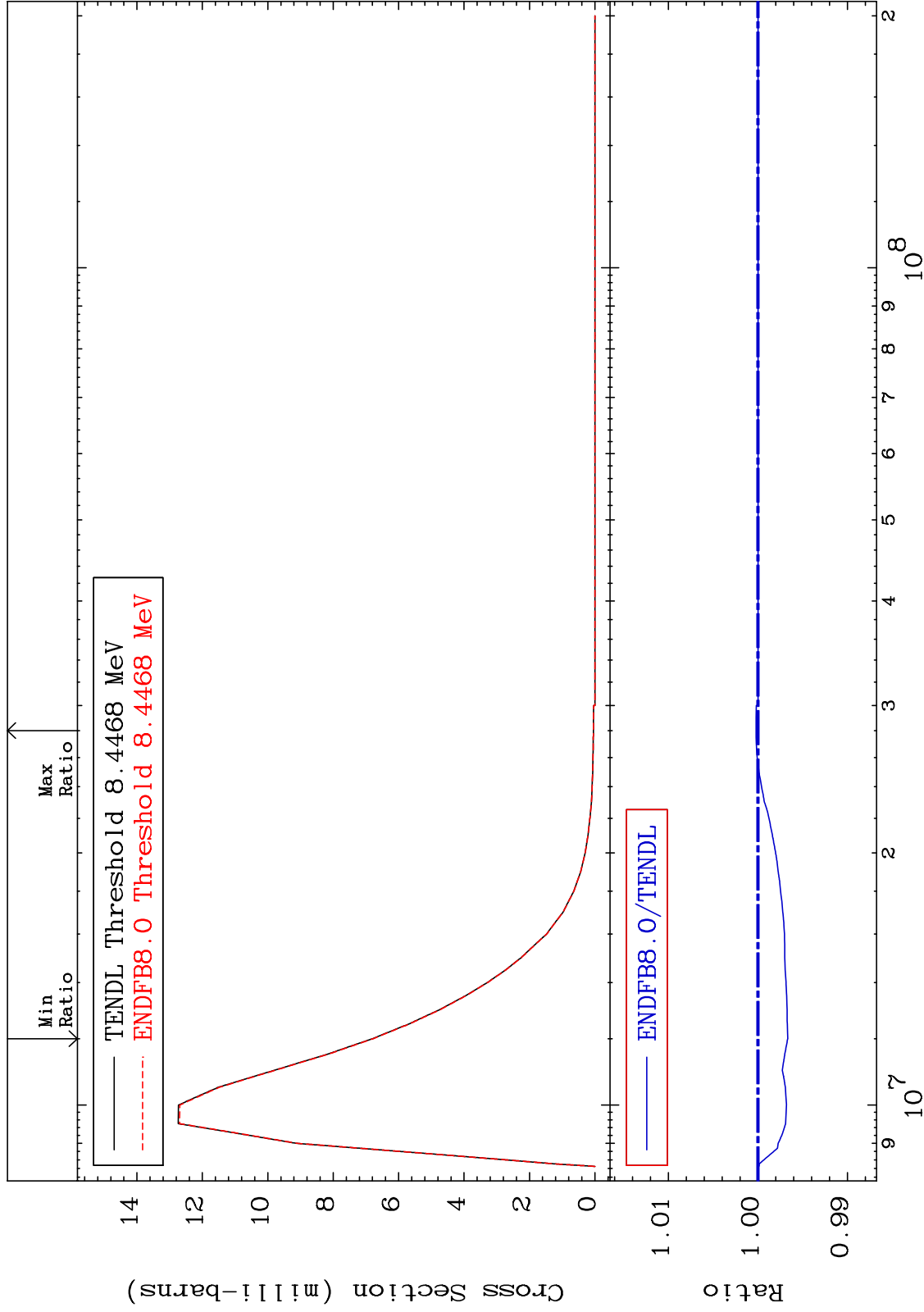
MAT 1031 MT= 79 (n,n') Level Cross Section 10-Ne-22
 -0.446 To 0.003 %



MAT 1031

MT= 80 (n,n') Level
Cross Section

10-Ne-22
-0.333 To 0.022 %



48

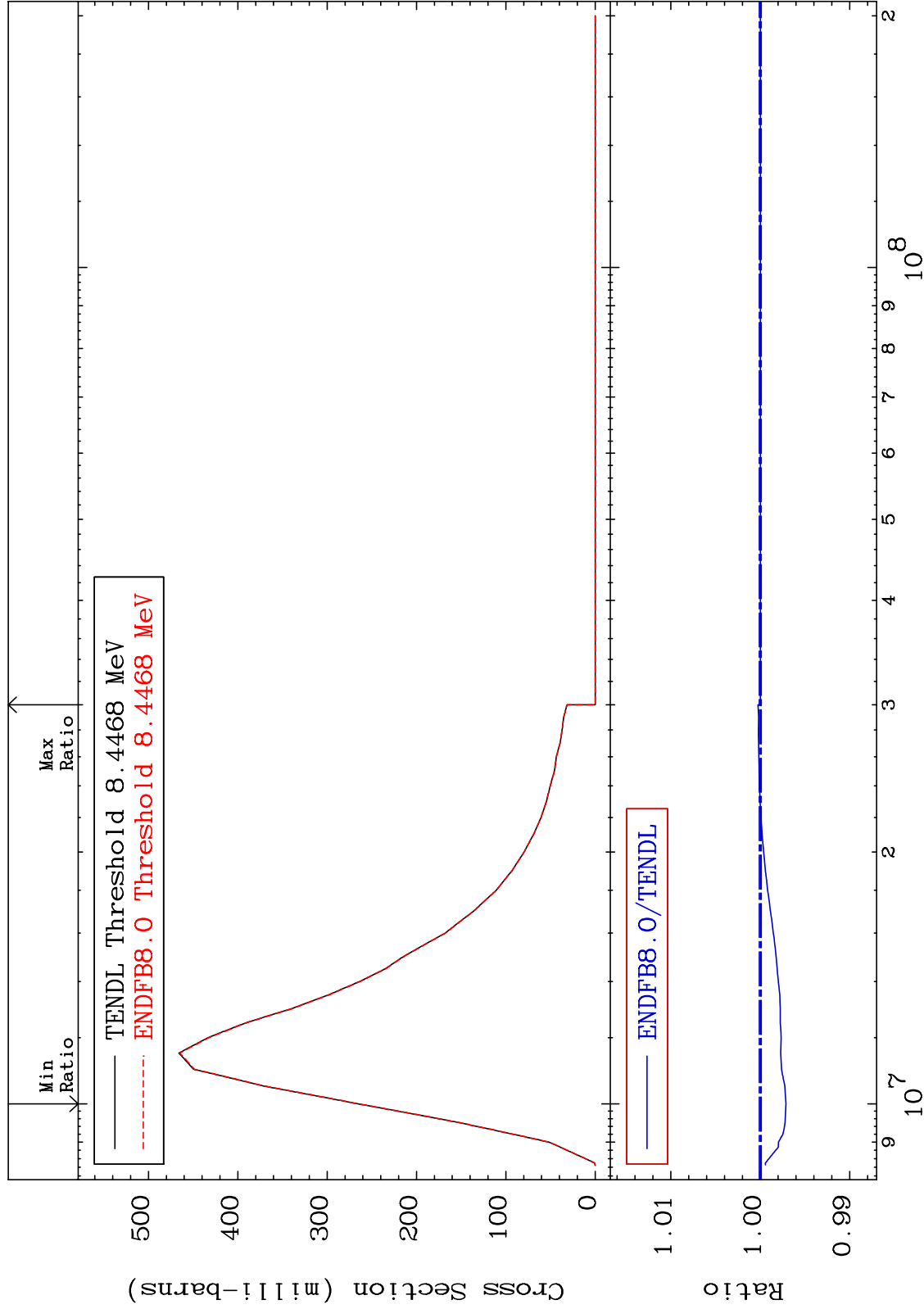
Incident Energy (eV)

10-Ne-22

MAT 1031

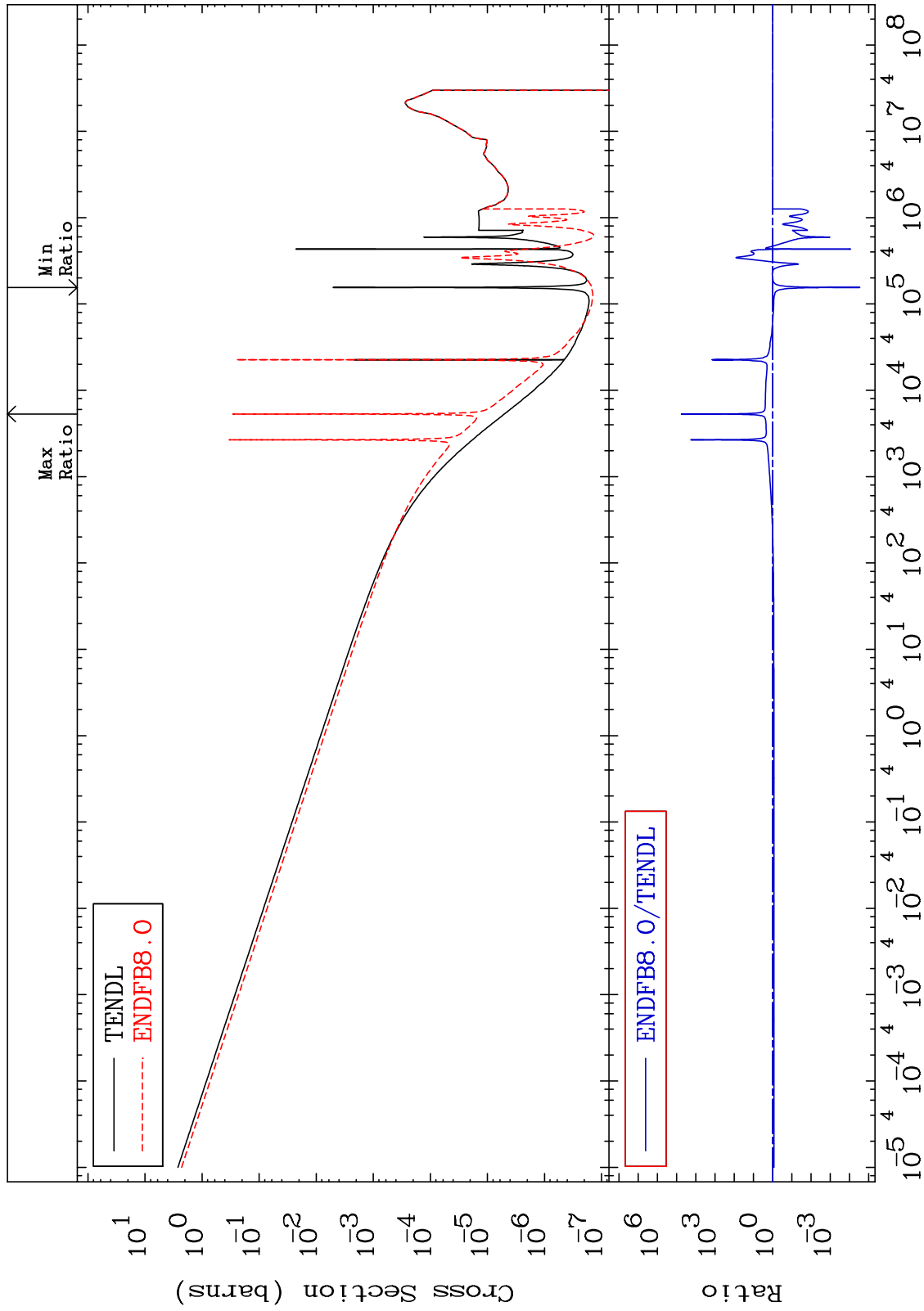
(n, n') Continuum
Cross Section

10-Ne-22
-0.287 To 0.025 %

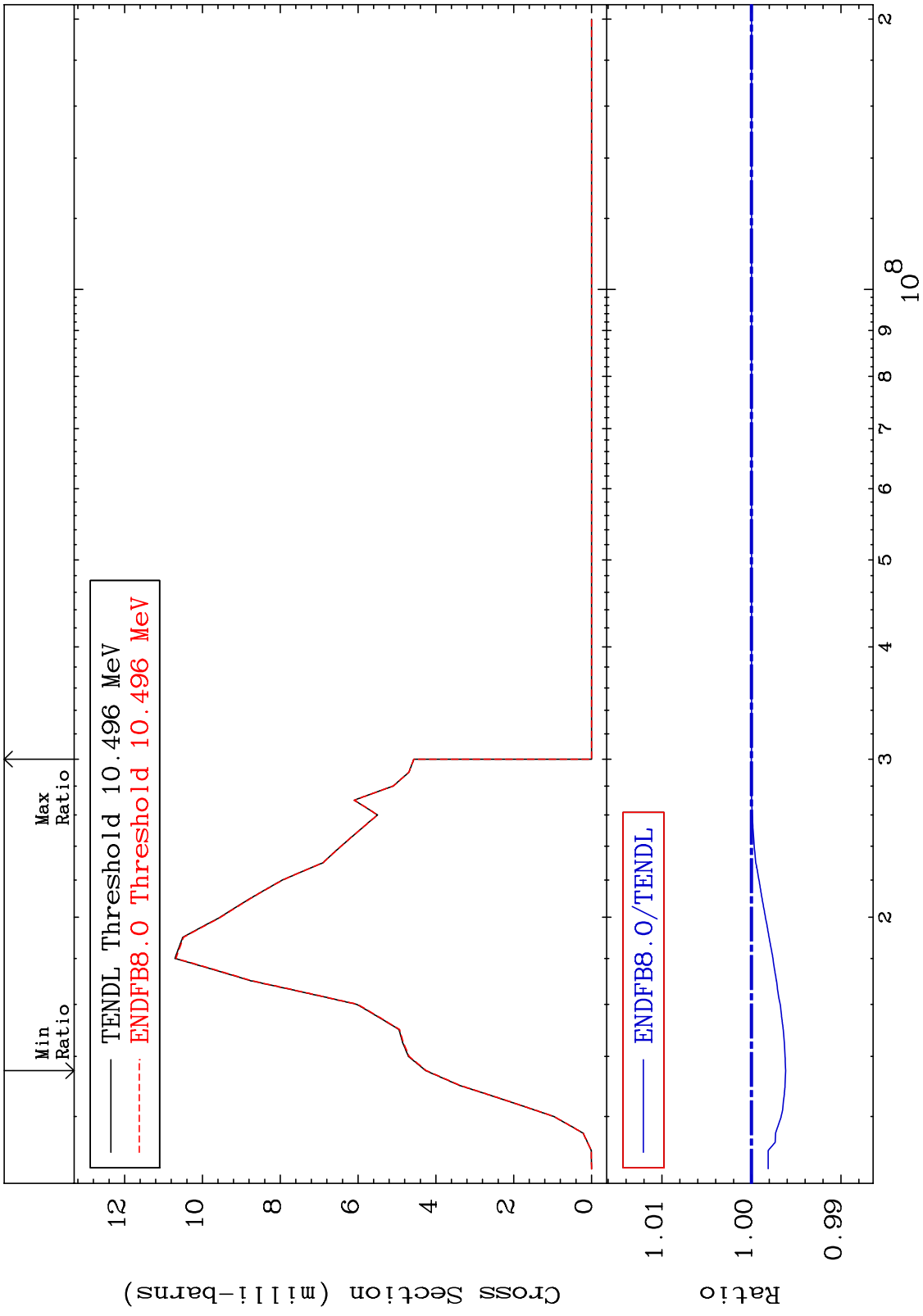


MAT 1031

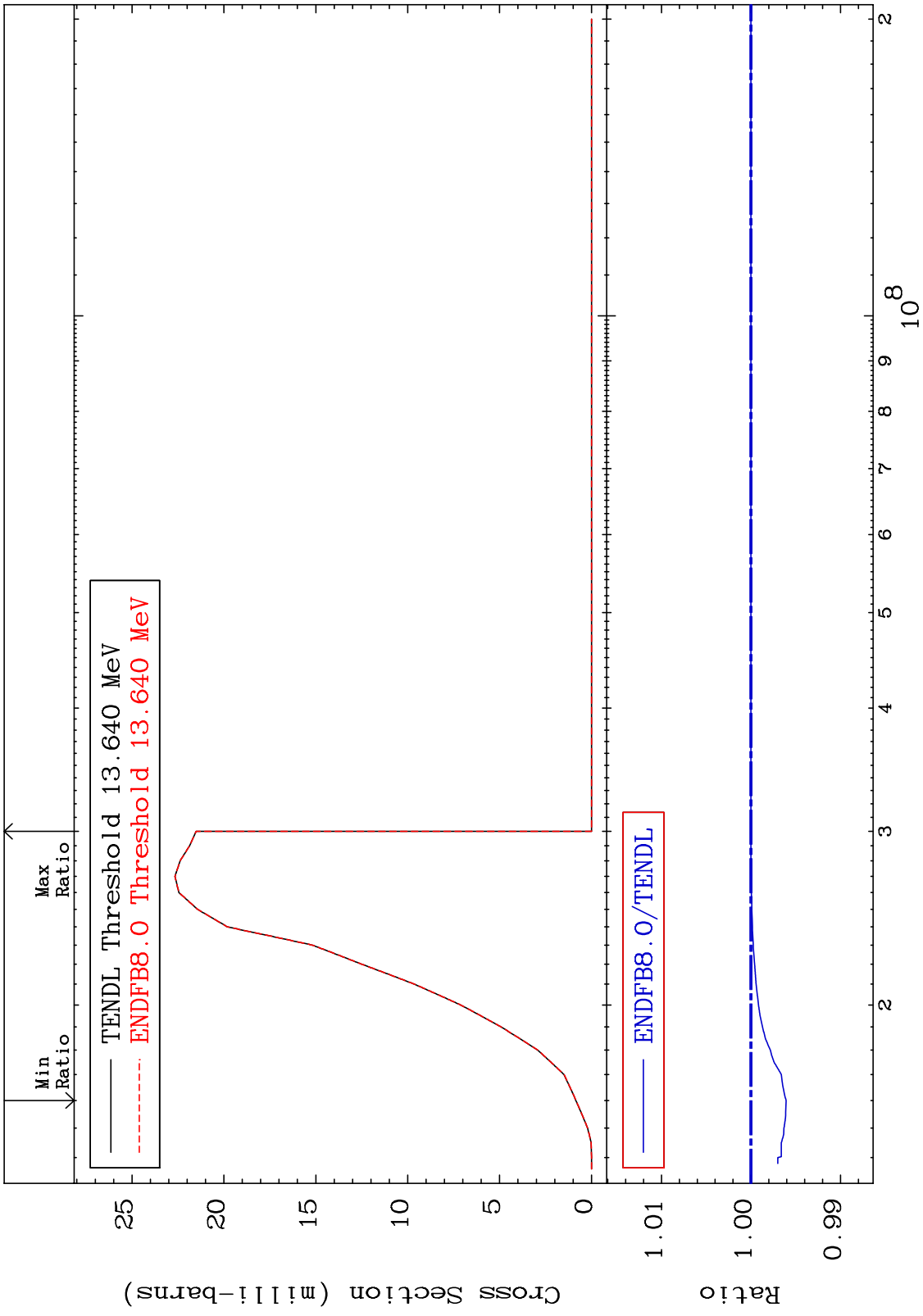
(n, γ) Cross Section
10-Ne-22
-100.0 To 9999. %



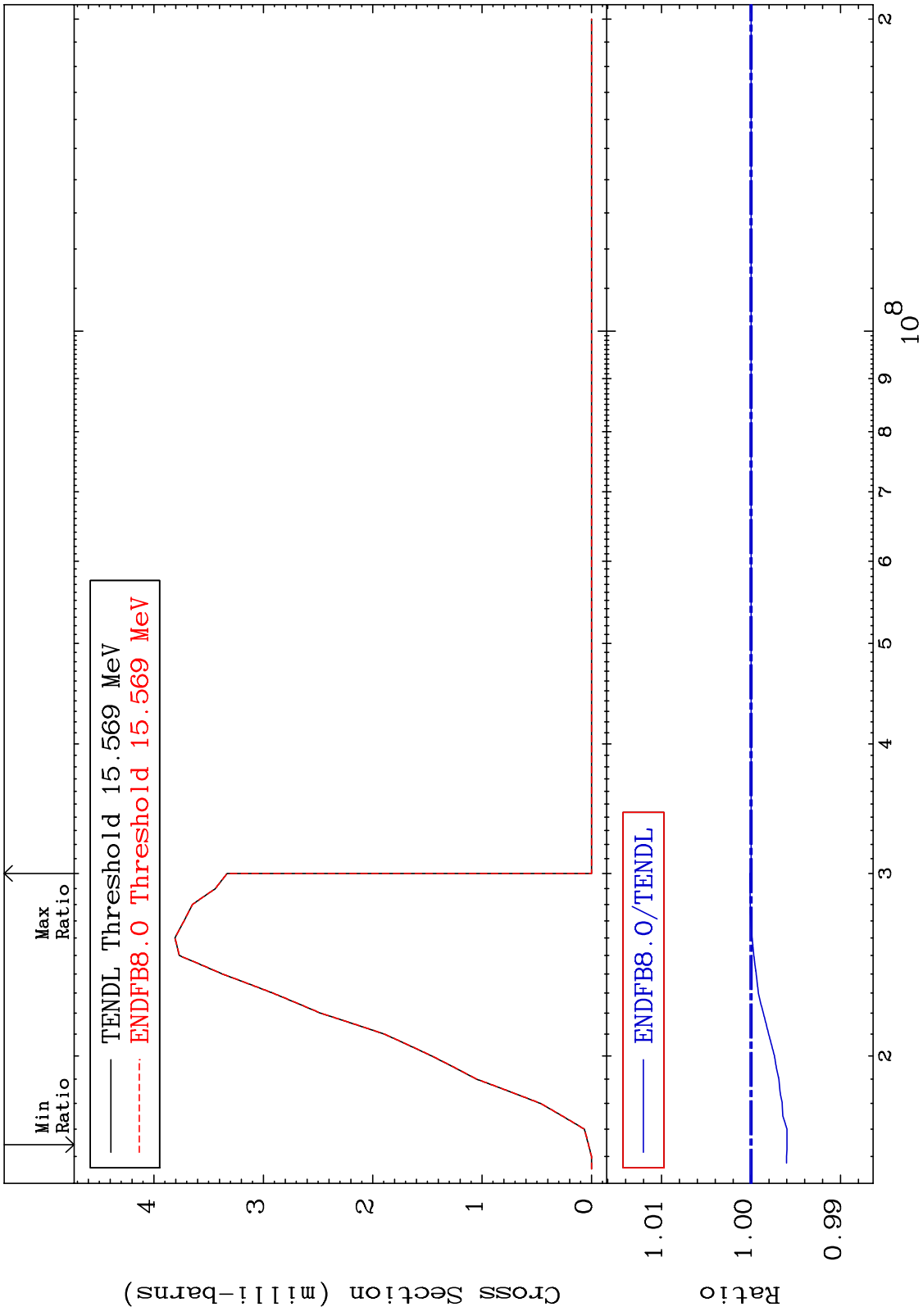
MAT 1031 (n,p) Cross Section 10-Ne-22 -0.381 To 0.002 %

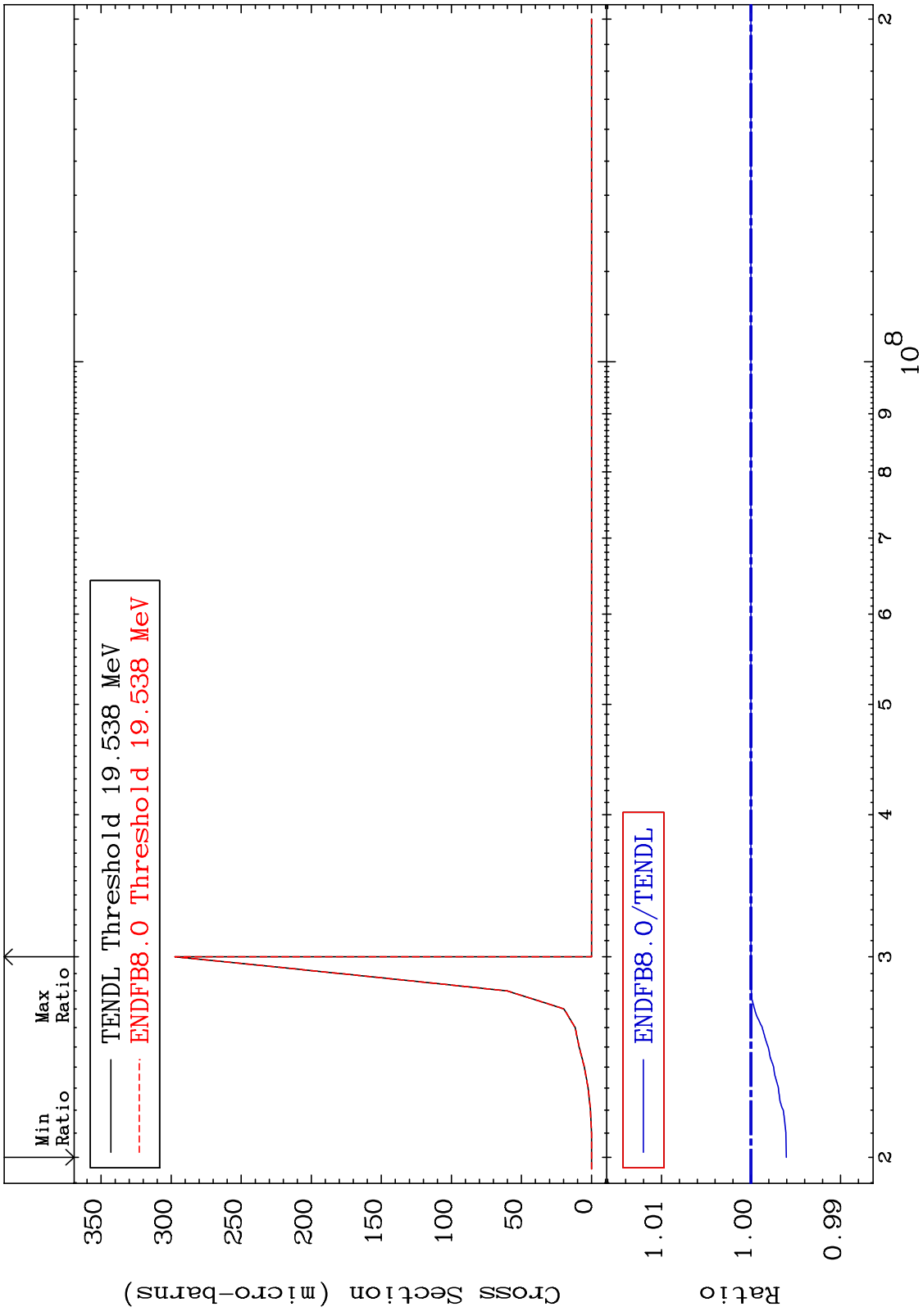


MAT 1031 (n,d) 10-Ne-22
 Cross Section -0.392 To 0.002 %

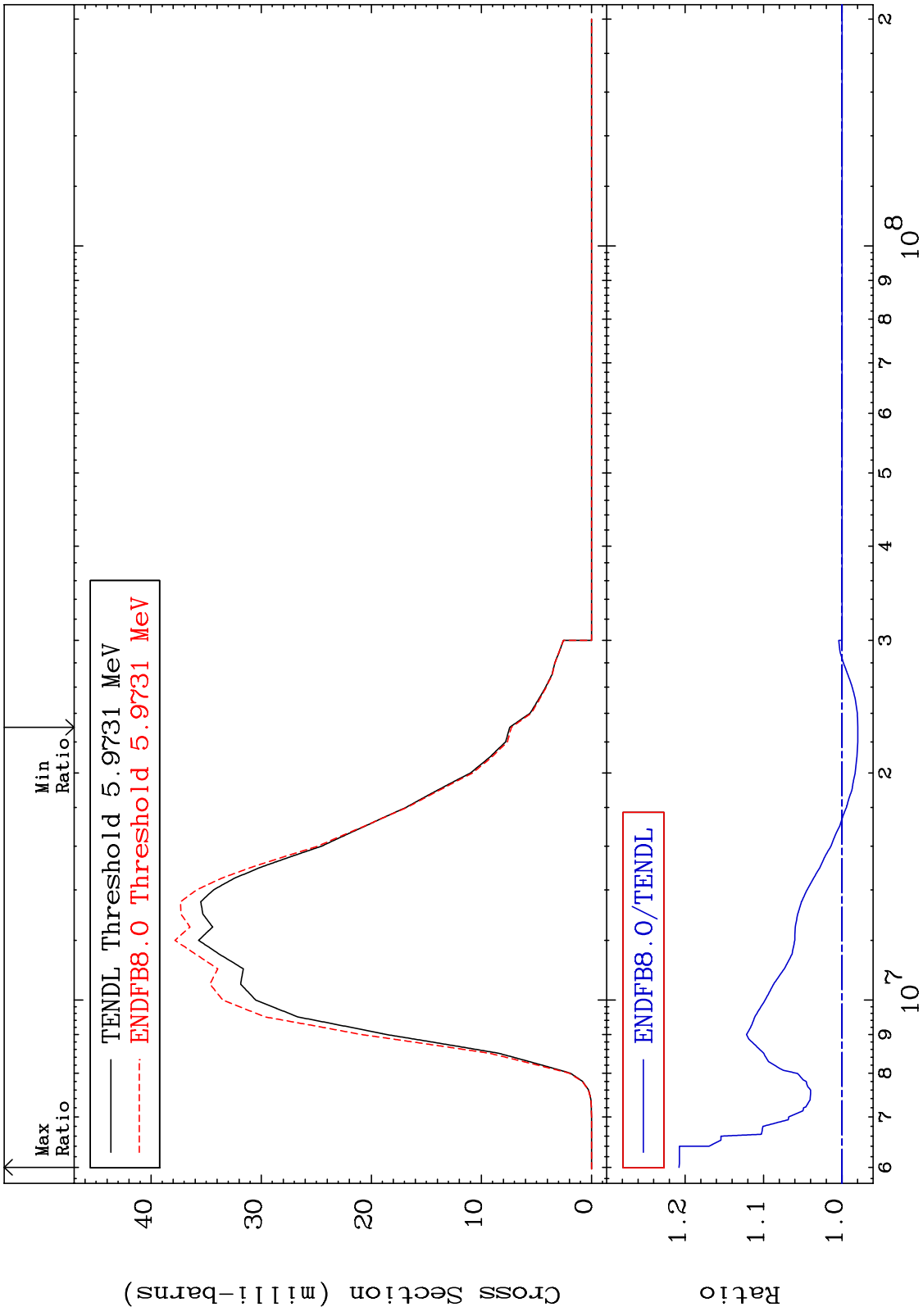


MAT 1031 (n, t) 10-Ne-22
 Cross Section -0.402 To 0.013 %

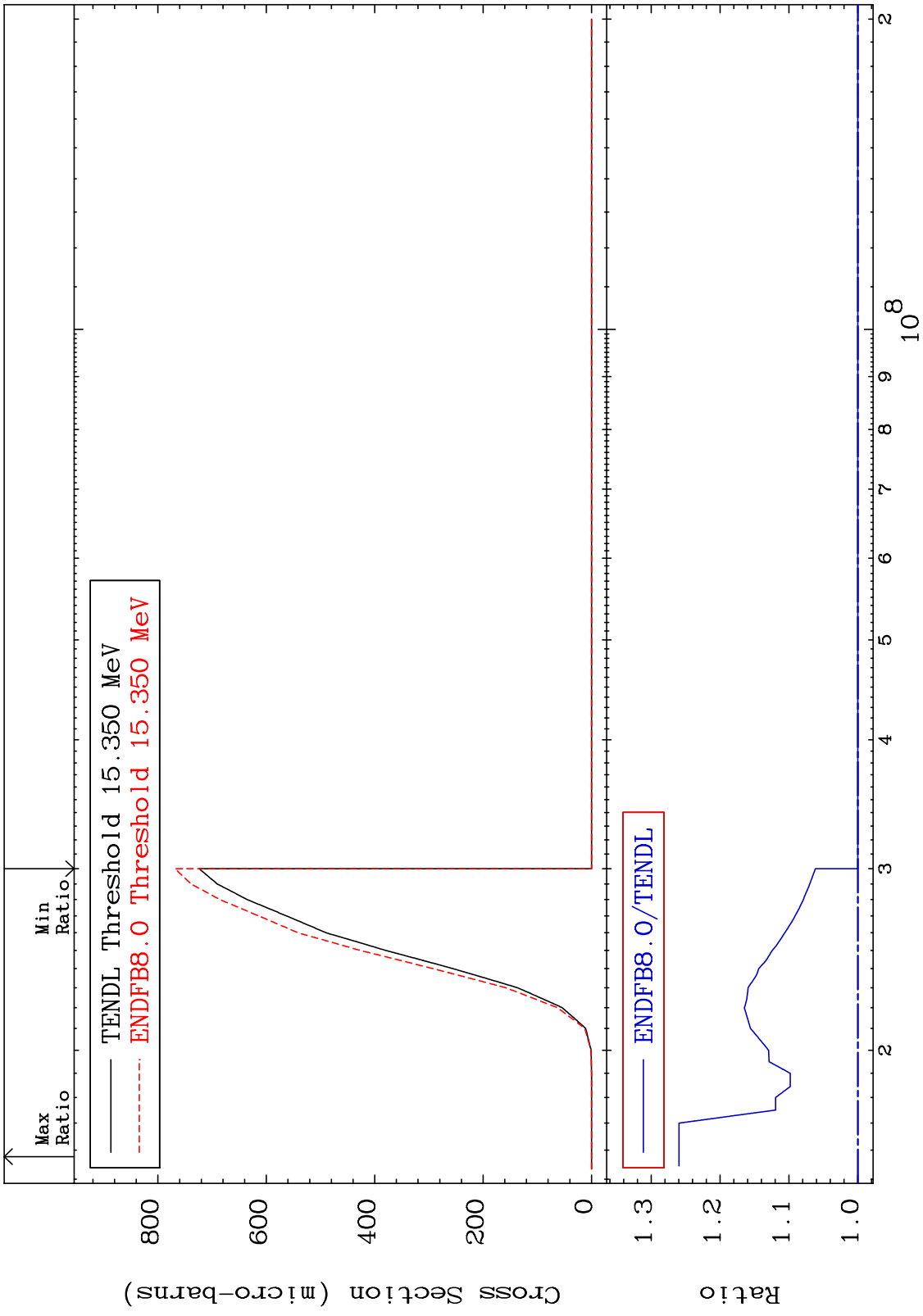




MAT 1031 (n, α) 10-Ne-22
Cross Section -2.023 To 20.77 %



MAT 1031 $(n, 2\alpha)$ Cross Section 10-Ne-22 To 25.96 %



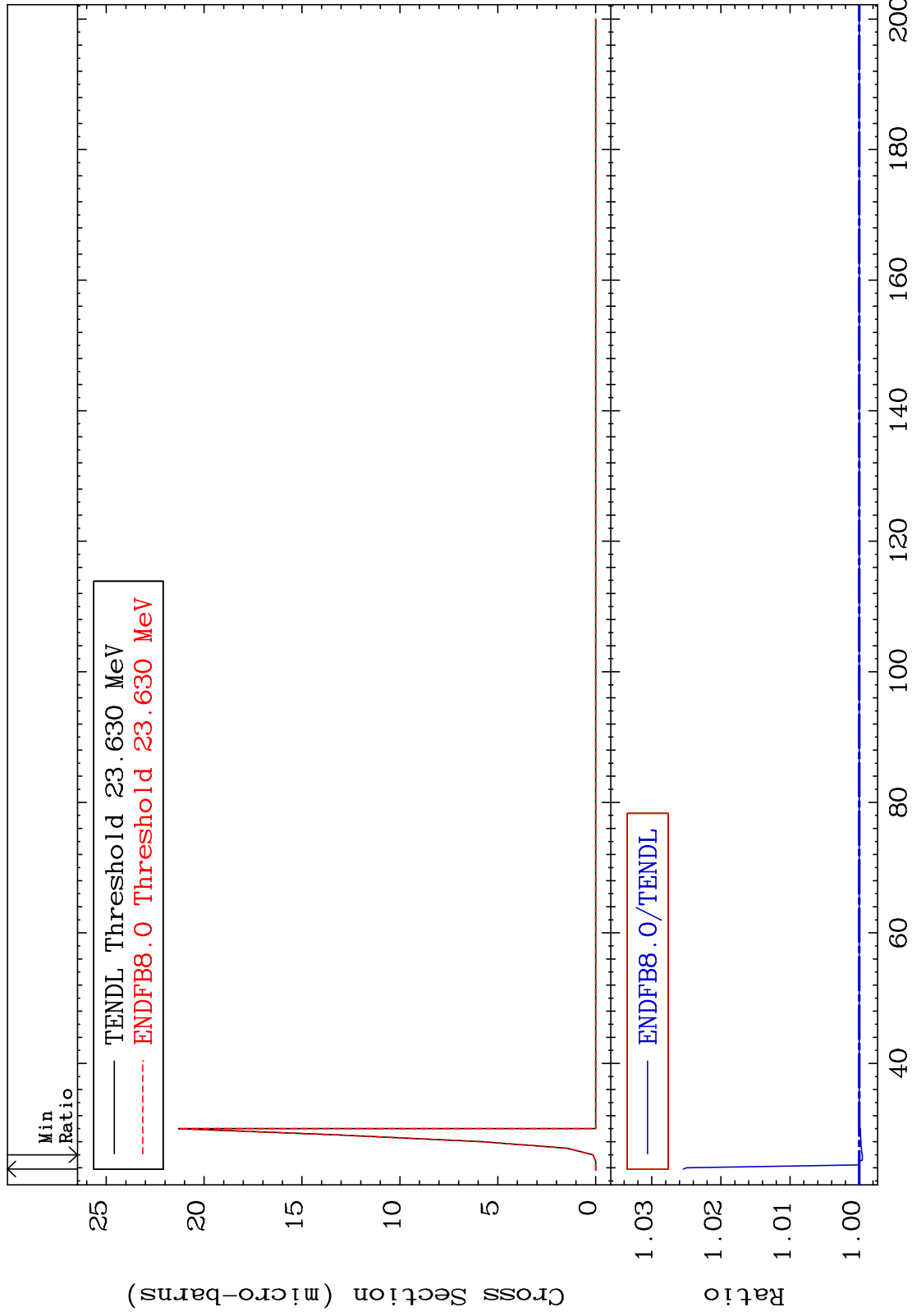
MAT 1031

(n,2p)

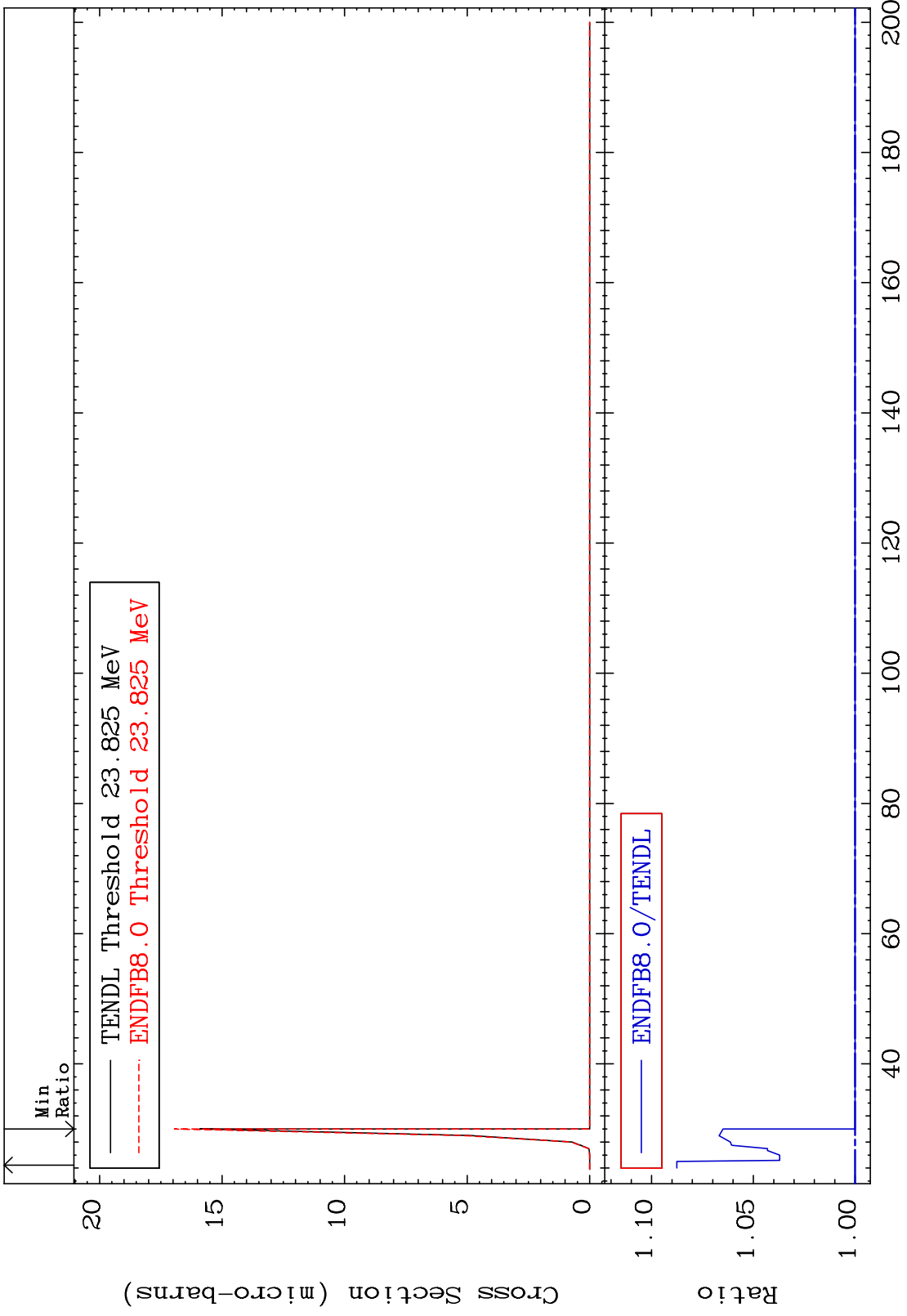
10-Ne-22

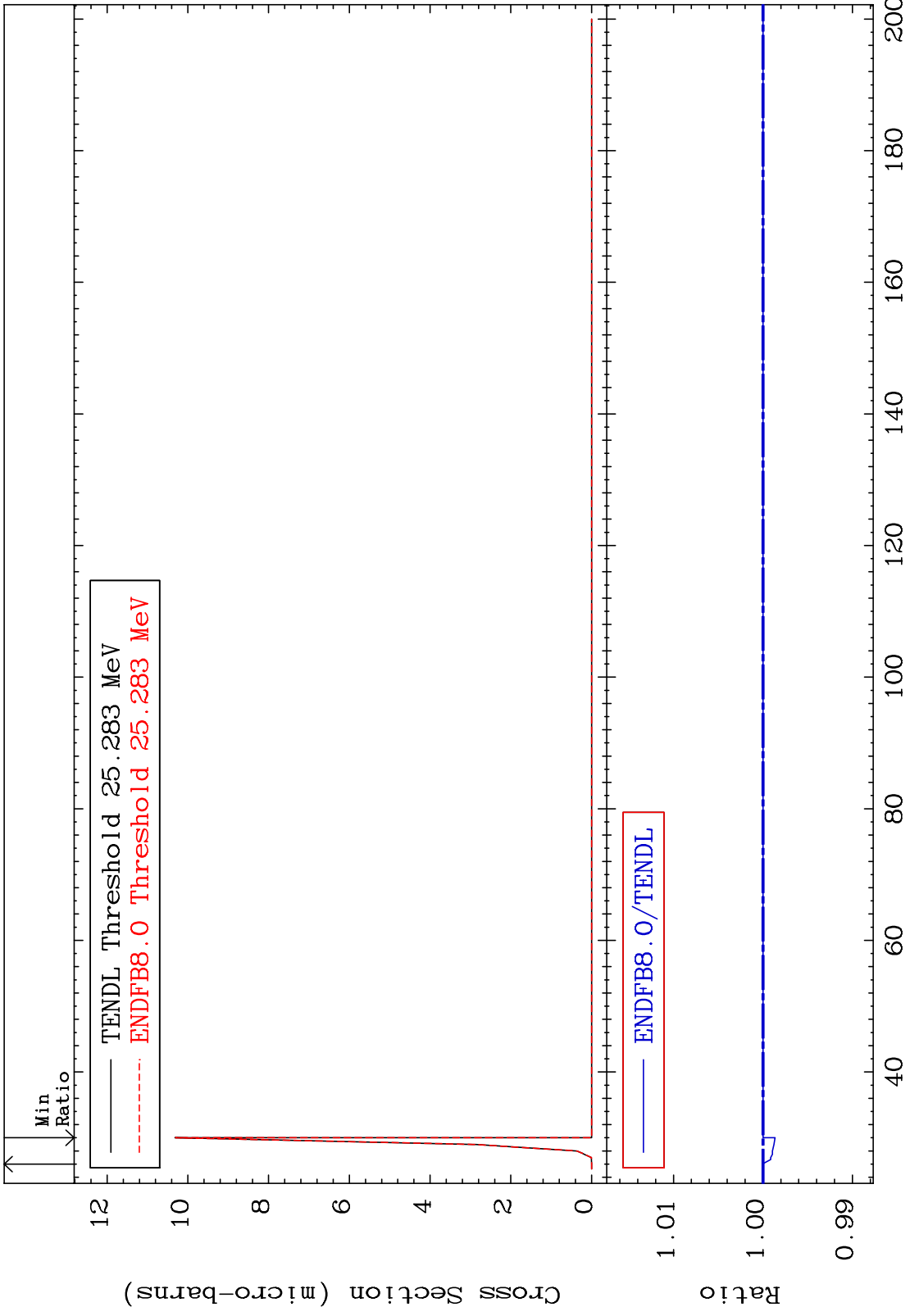
Cross Section

-0.044 To 2.545 %

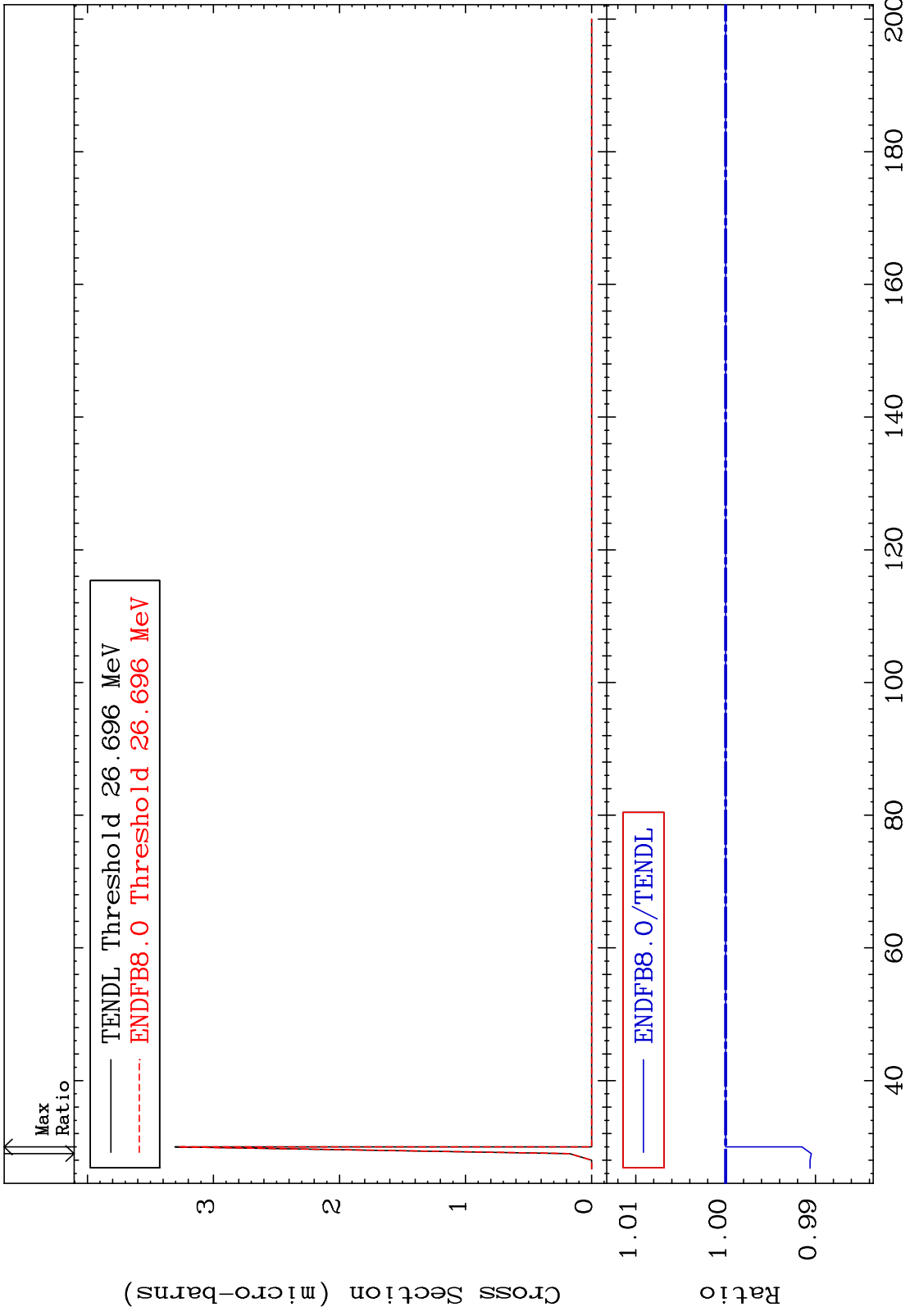


MAT 1031 (n,p) α 10-Ne-22
Cross Section To 8.759 %



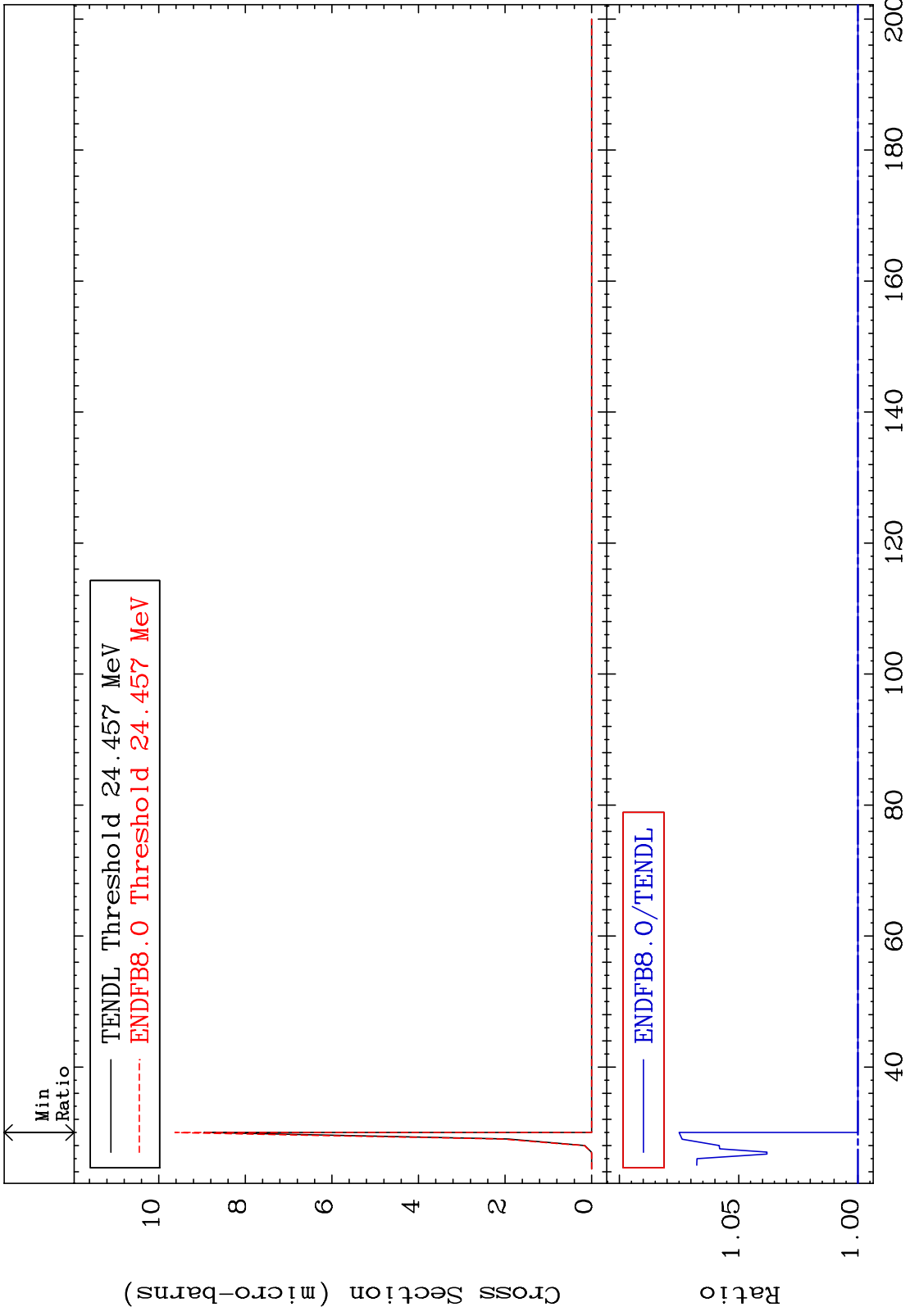


MAT 1031 (n,p) t 10-Ne-22
Cross Section -0.955 To 0.000 %



60 Incident Energy (MeV) 10-Ne-22

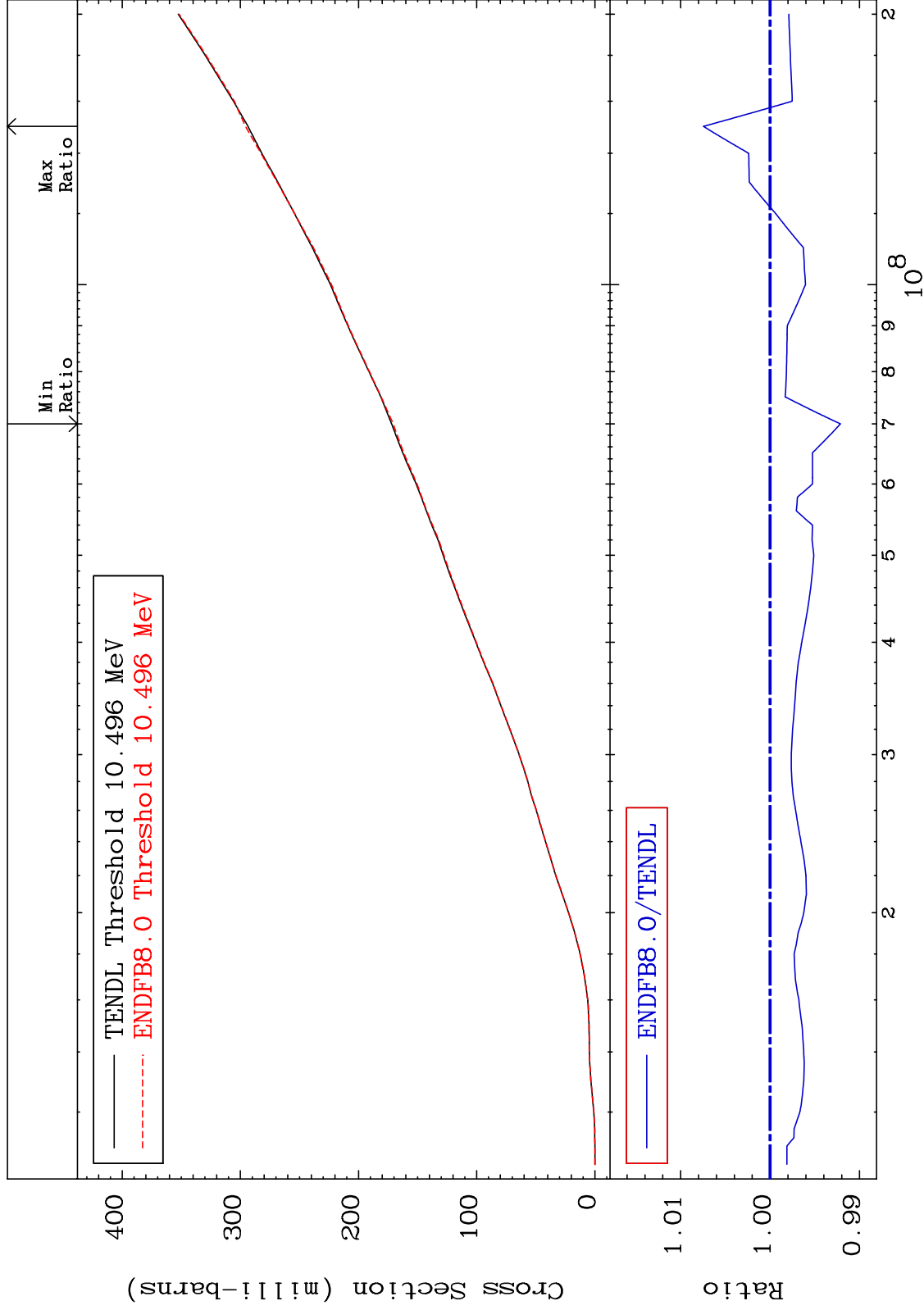
MAT 1031 (n,d) α Cross Section 10-Ne-22 To 7.496 %
 0.000



MAT 1031

Hydrogen Production
Cross Section

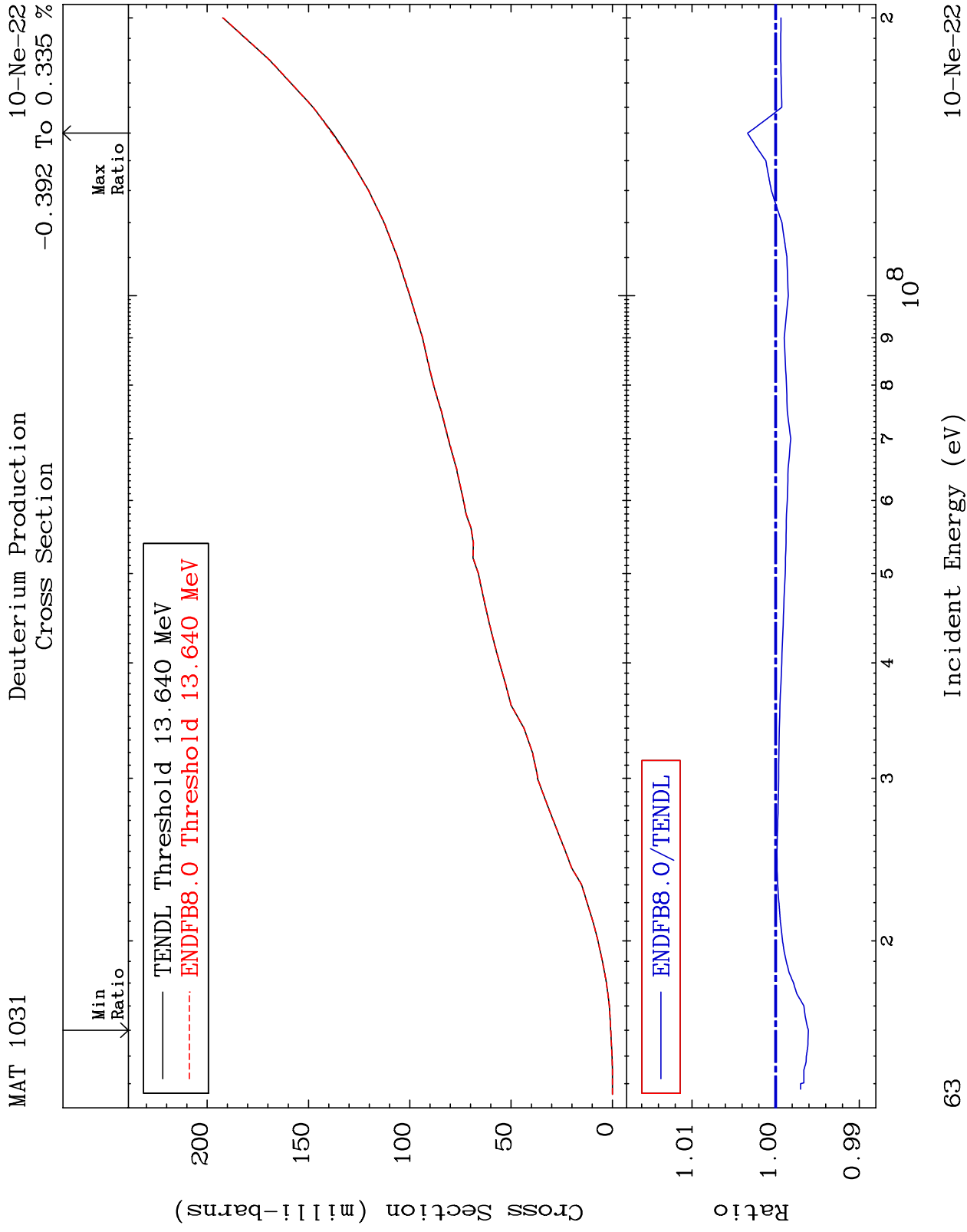
10-Ne-22
-0.786 To 0.747 %

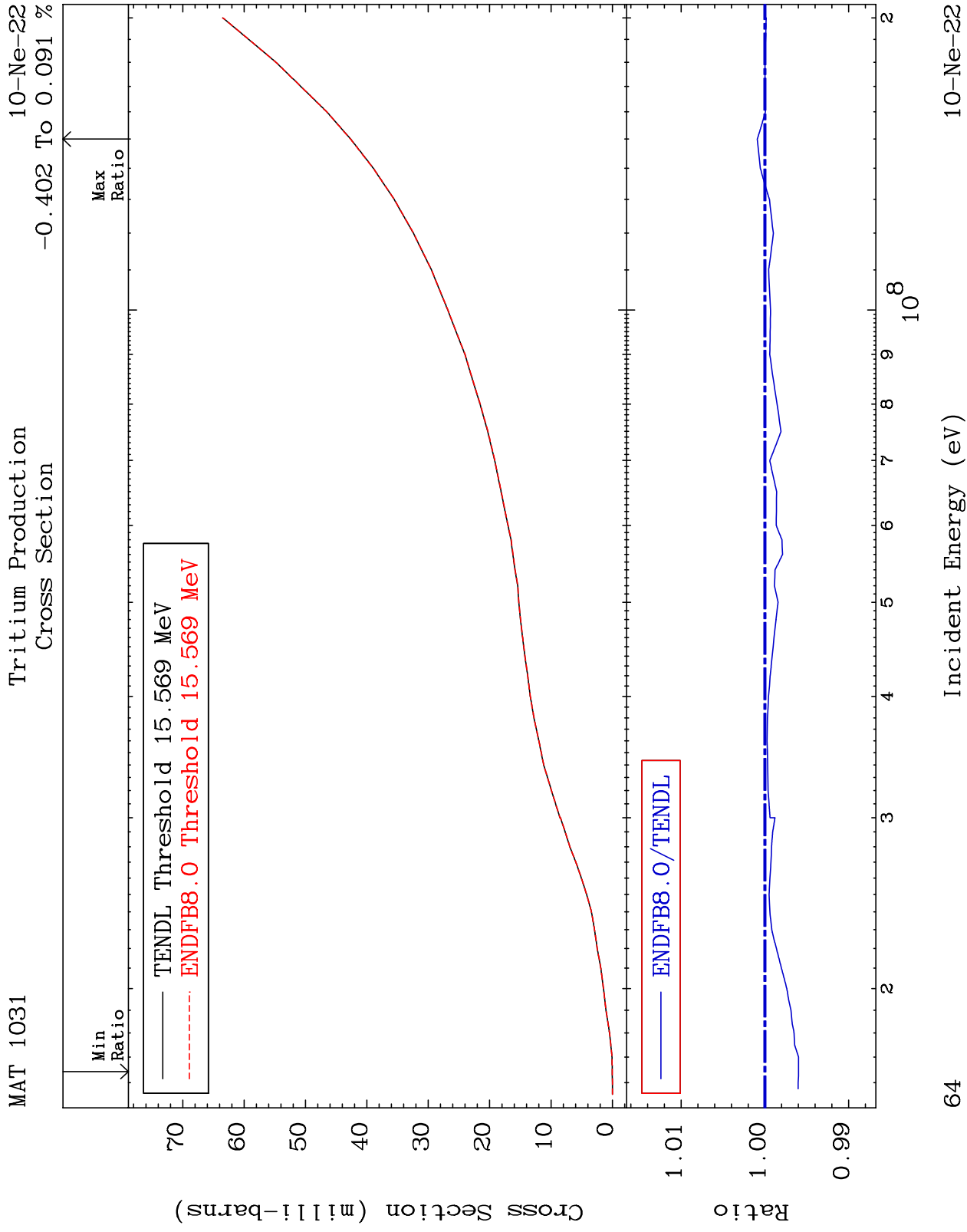


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Incident Energy (eV)

10-Ne-22

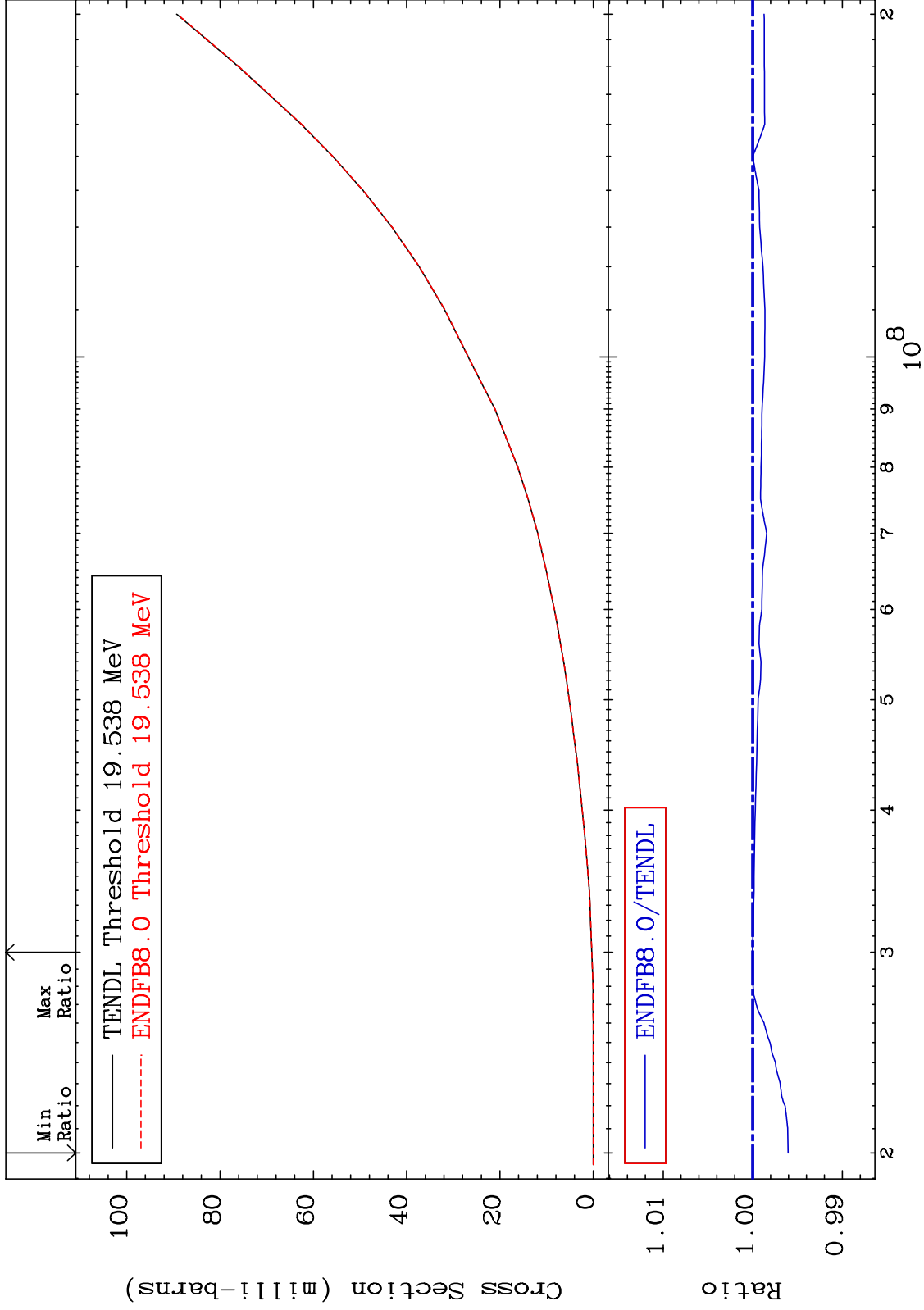




MAT 1031

He-3 Production
Cross Section

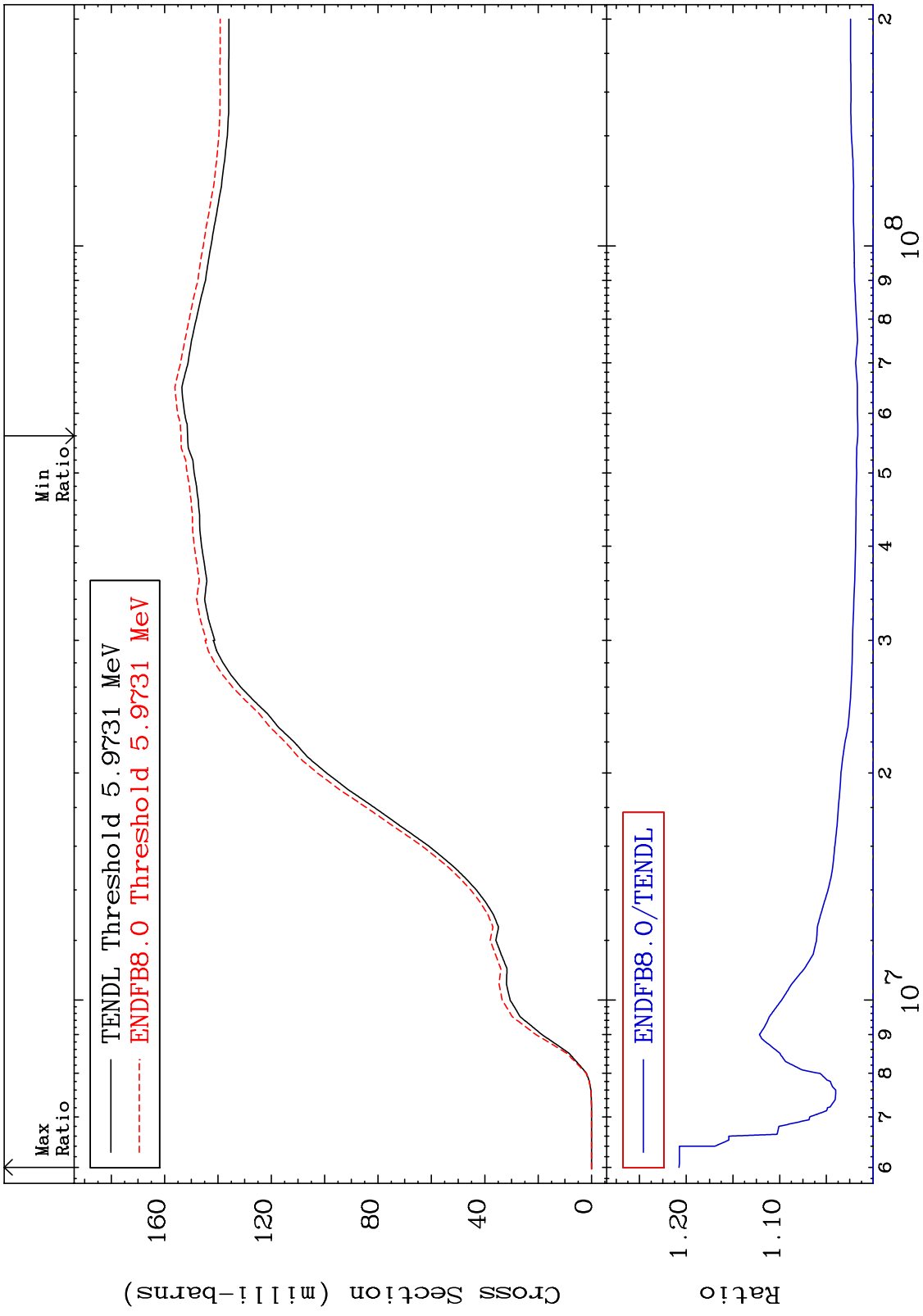
10-Ne-22
-0.394 To 0.004 %



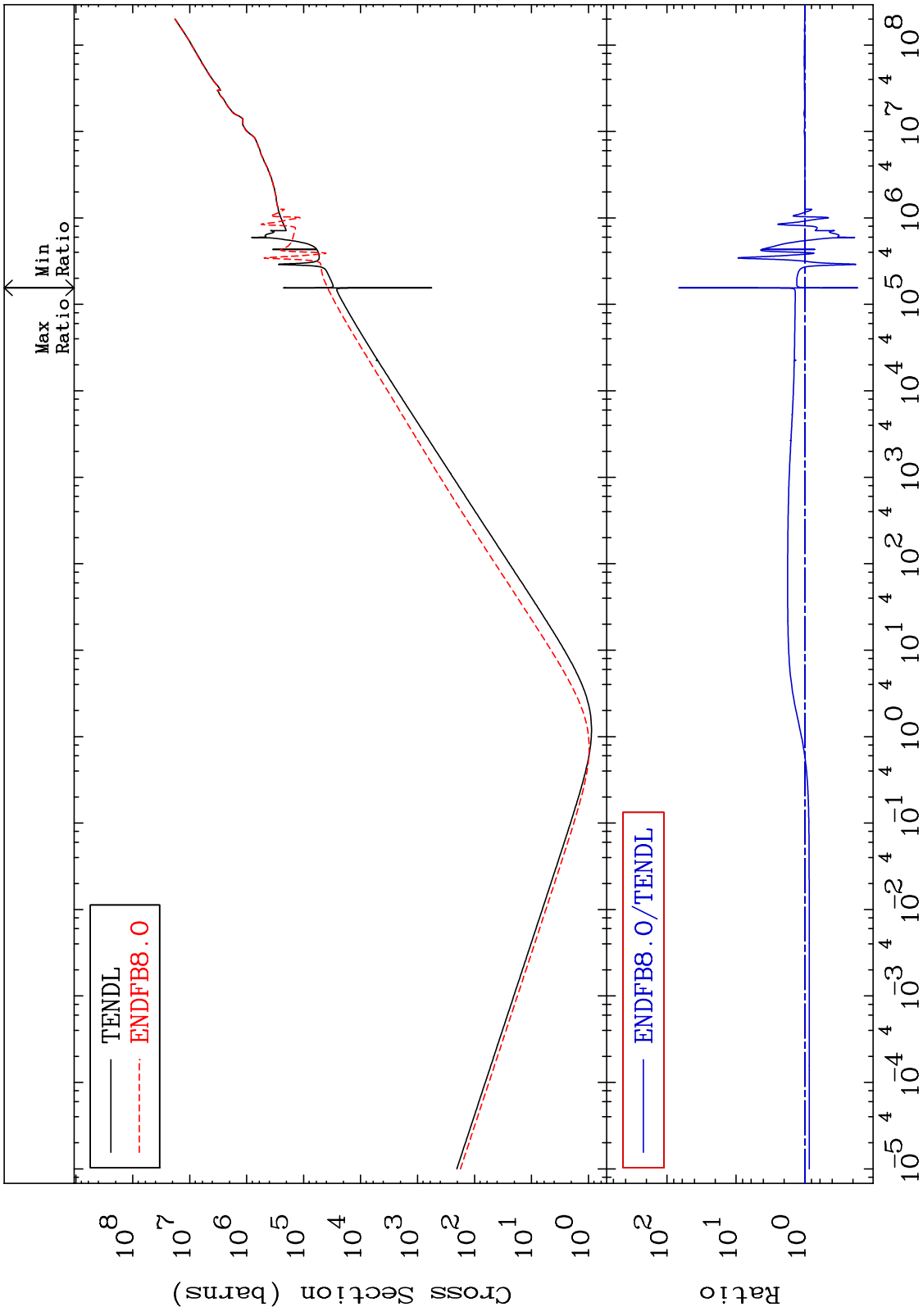
65

10-Ne-22

MAT 1031 He-4 Production Cross Section 10-Ne-22 To 20.77 %
1.633



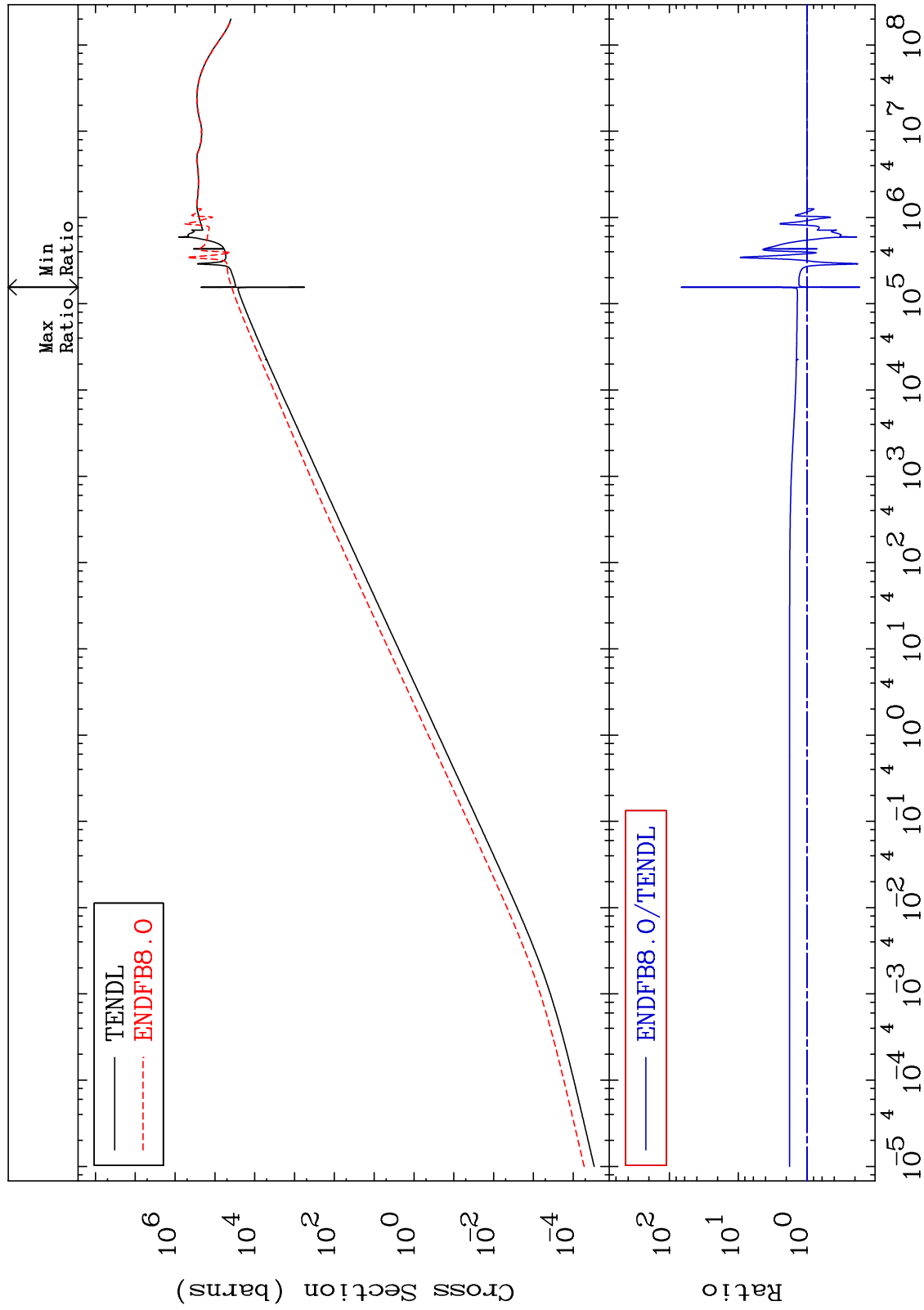
MAT 1031 Kerma total (eV-barns) Cross Section 10-Ne-22 -83.02 To 6598. %



MAT 1031

Kerma elastic
Cross Section

10-Ne-22
-83.02 To 6598. %

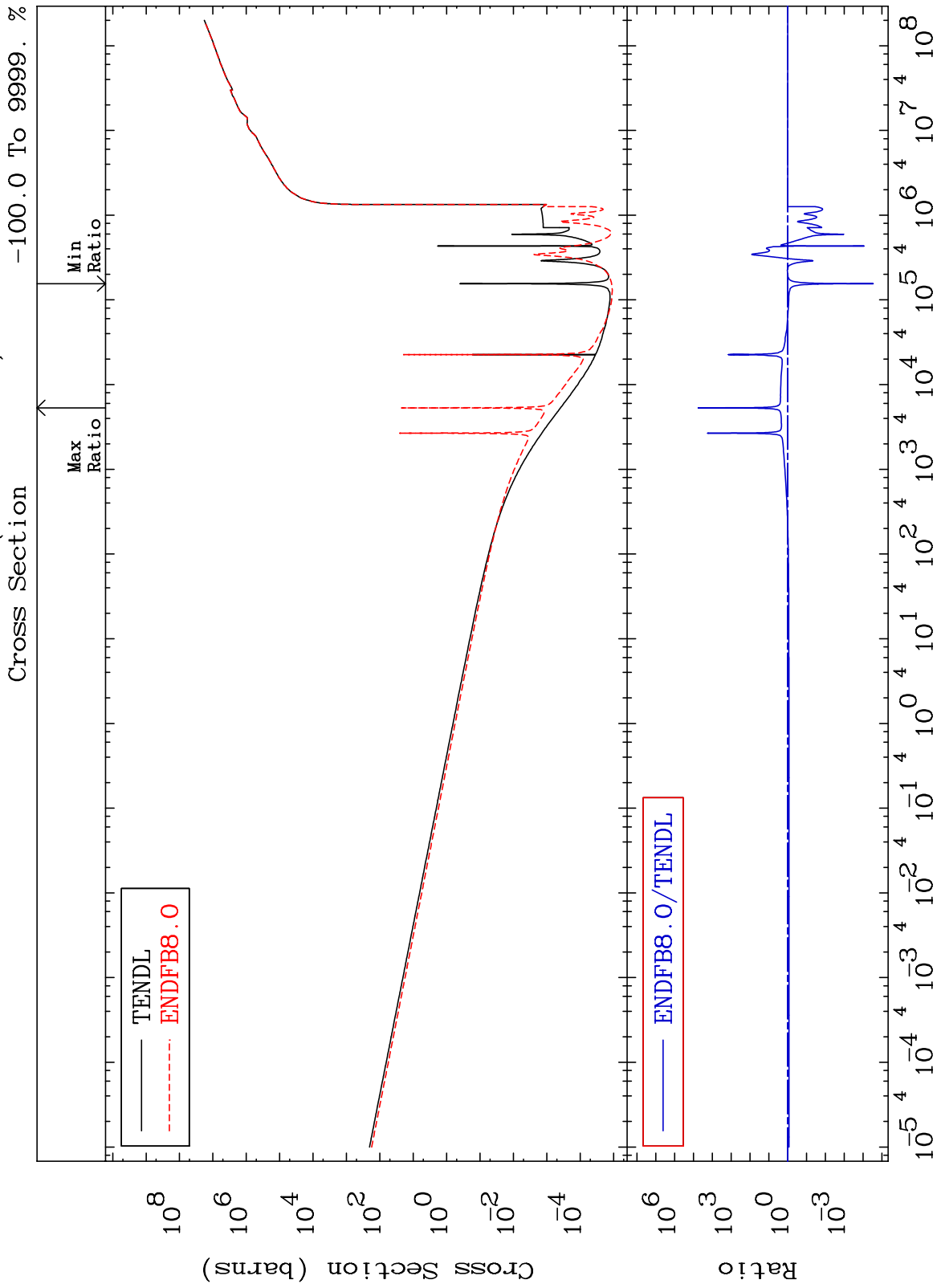


MAT 1031

Kerma non-elastic (all but mt2)

10-Ne-22

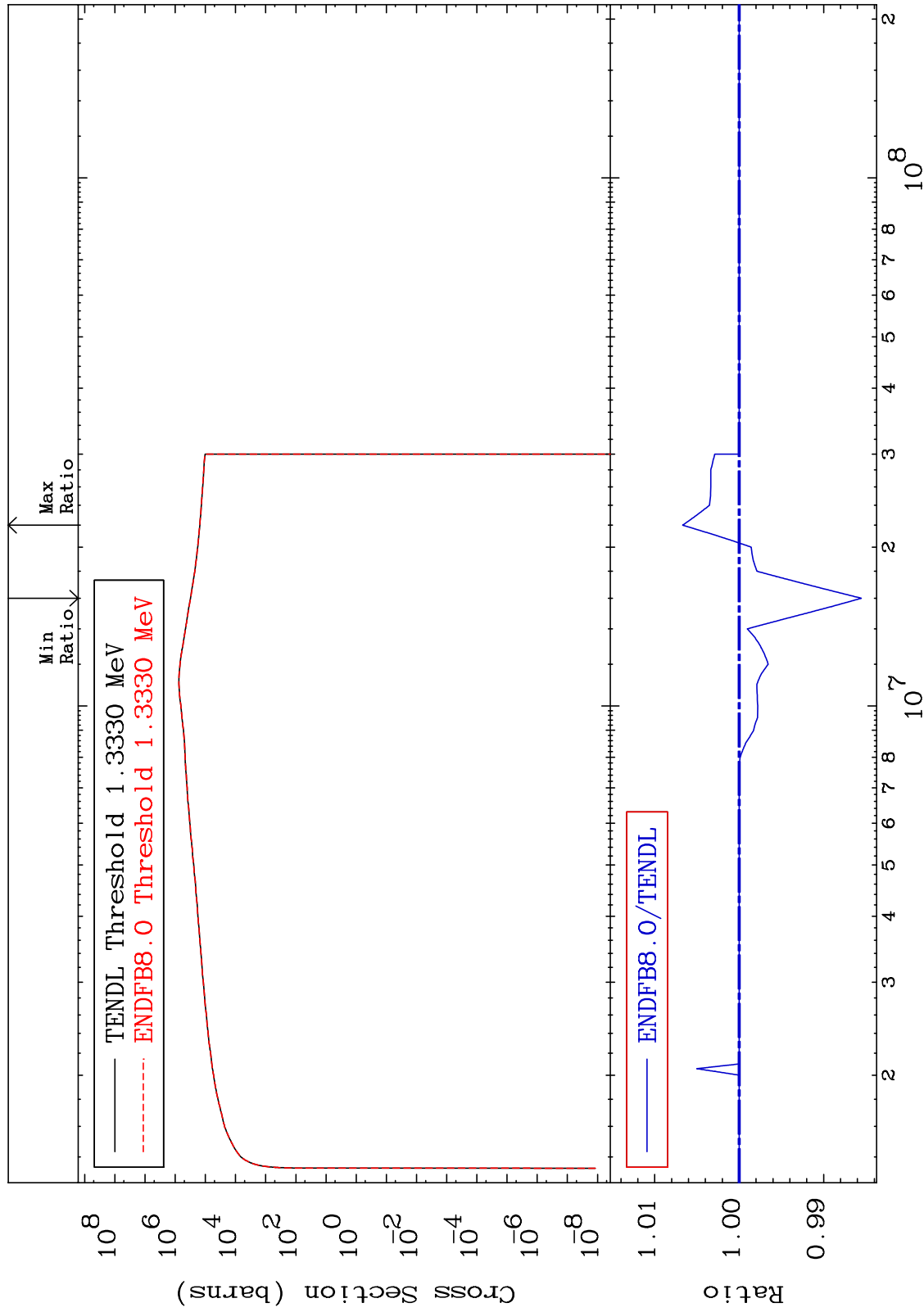
-100.0 To 9999. %



MAT 1031

Kerma inelastic (mt51-91)
Cross Section

10-Ne-22
-1.446 To 0.669 %



70

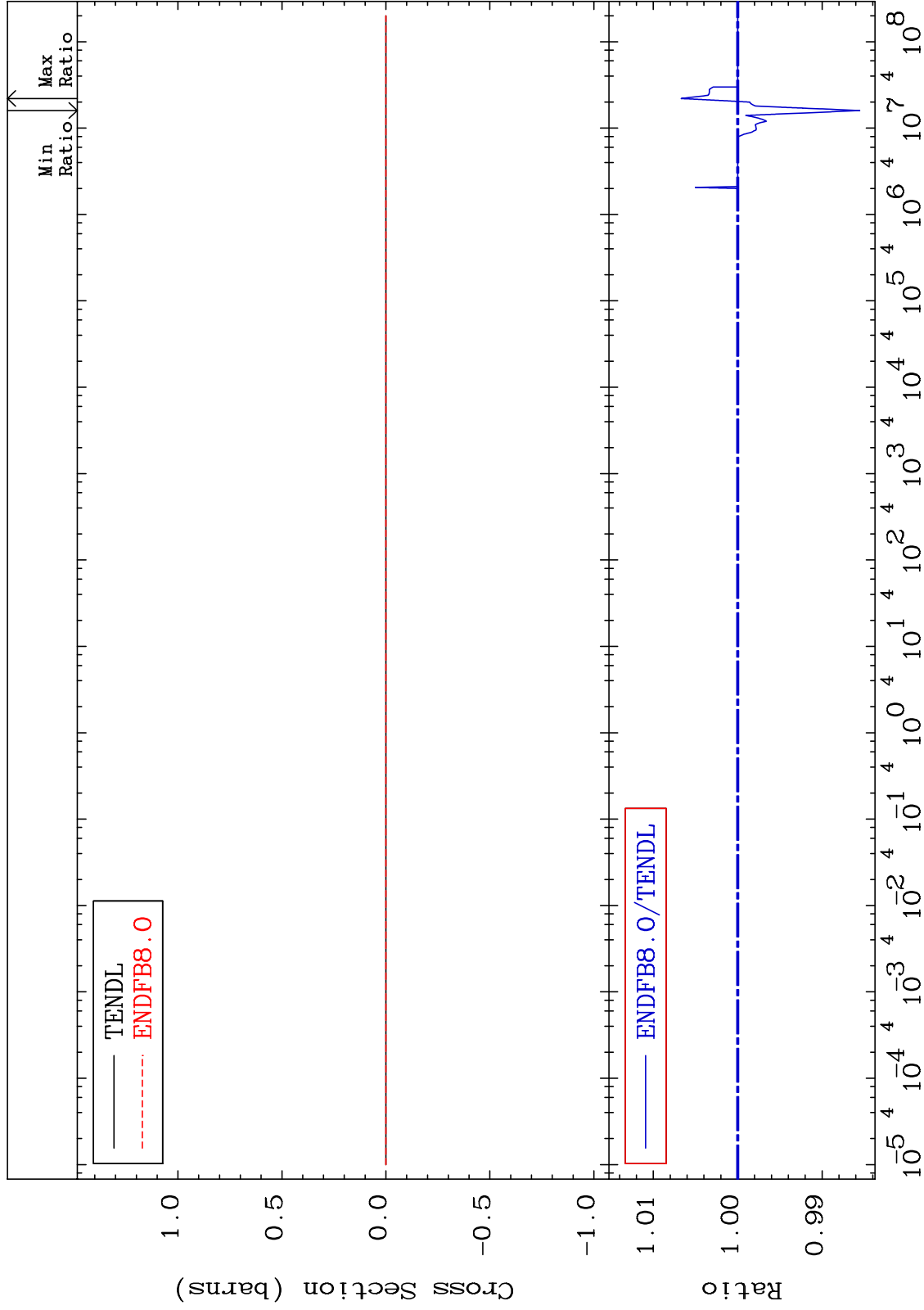
Incident Energy (eV)

10-Ne-22

MAT 1031

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

10-Ne-22
-1.446 To 0.669 %



71

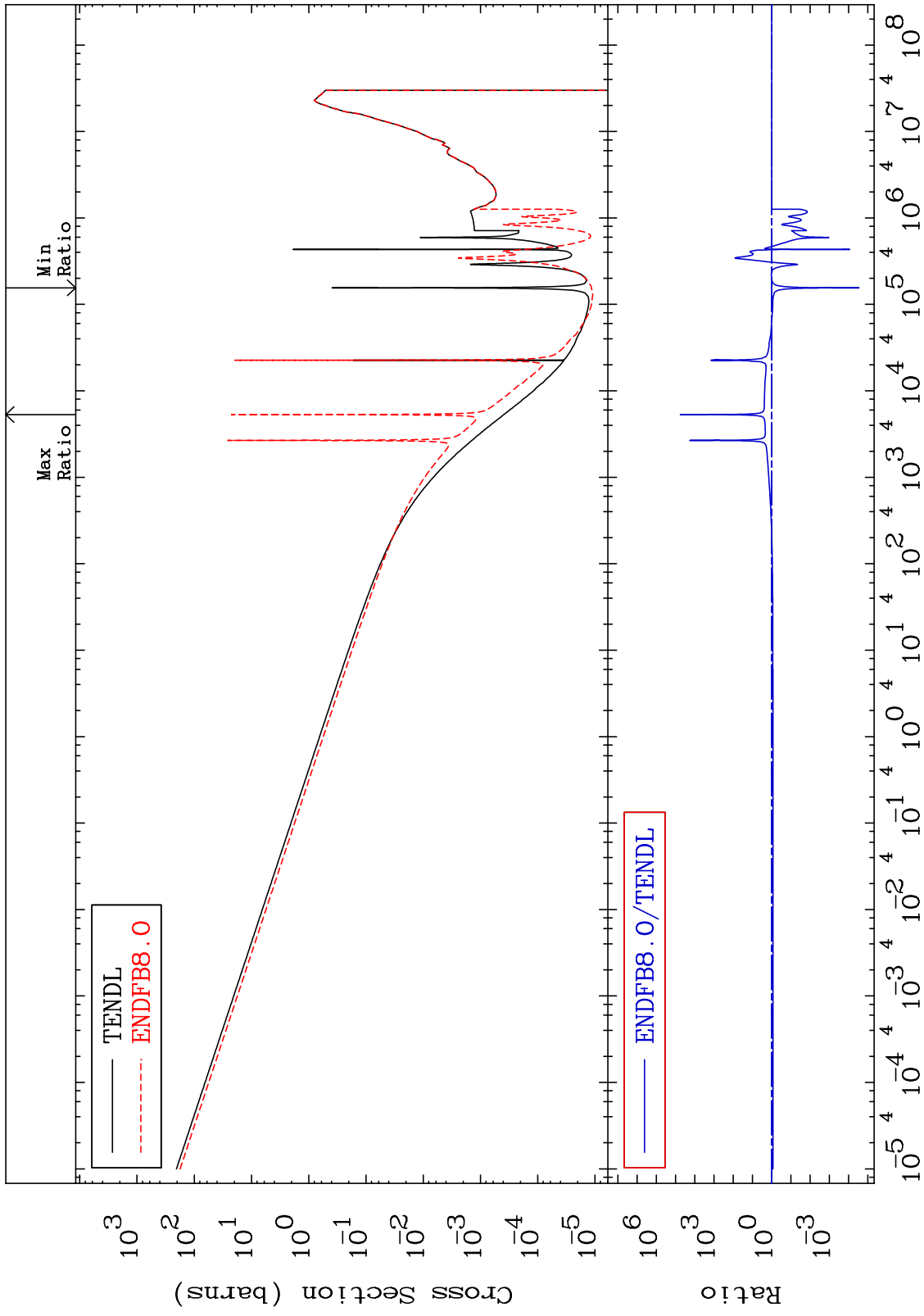
Incident Energy (eV)

10-Ne-22

MAT 1031

Kerma capture (mt102)
Cross Section

10-Ne-22
-100.0 To 9999. %



72

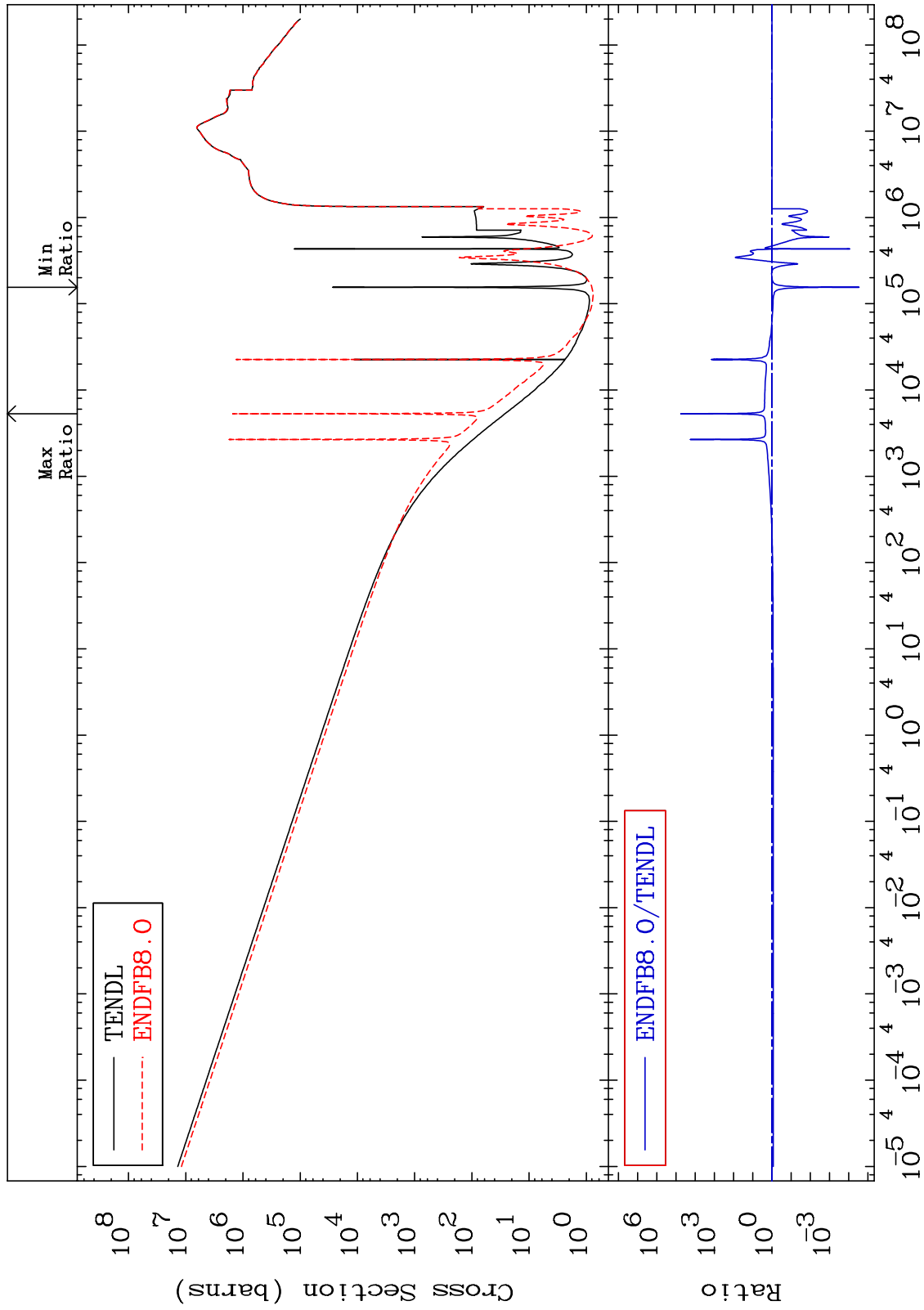
Incident Energy (eV)

10-Ne-22

MAT 1031

Total photon (eV-barns)
Cross Section

10-Ne-22
-100.0 To 9999. %

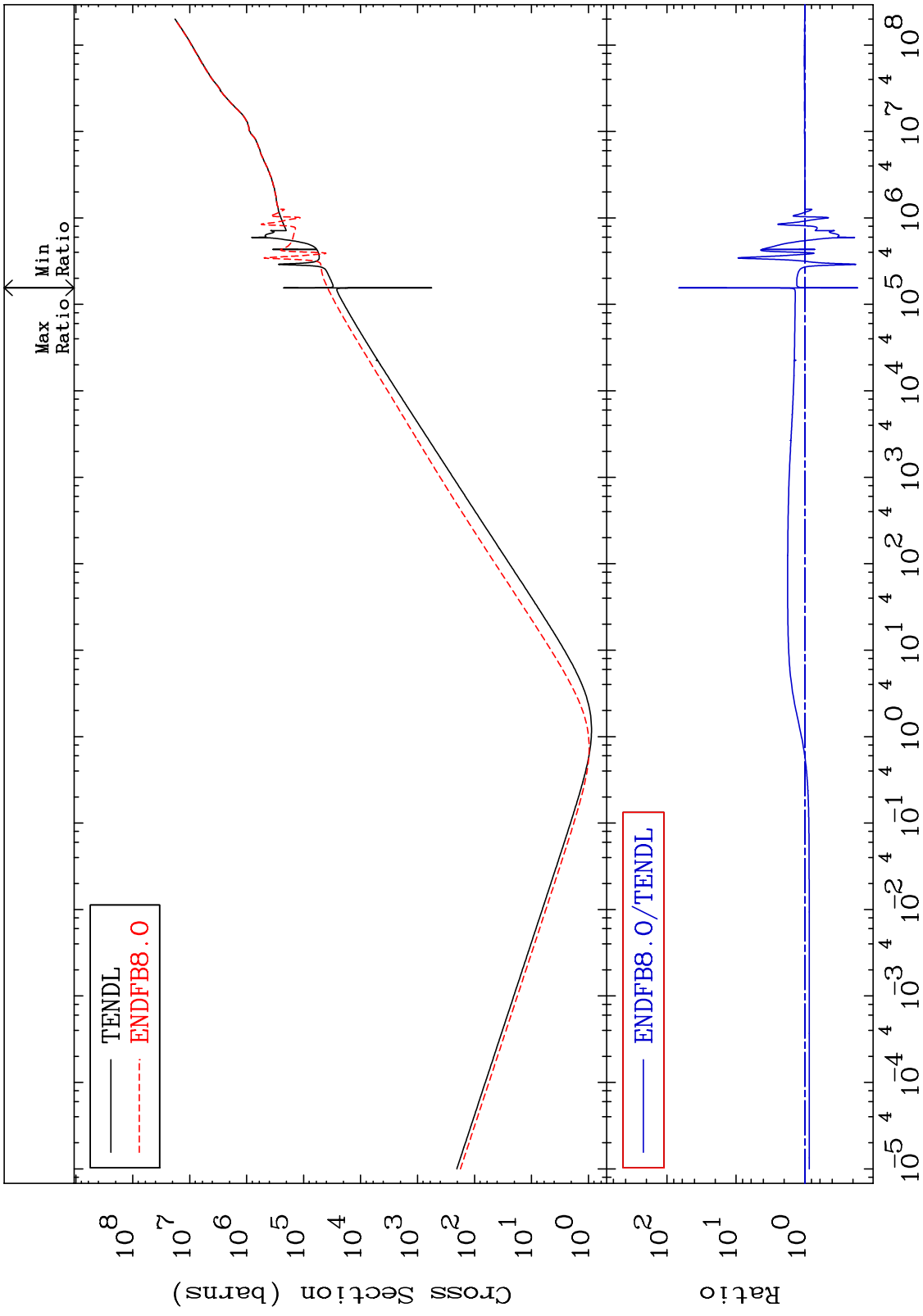


73

Incident Energy (eV)

10-Ne-22

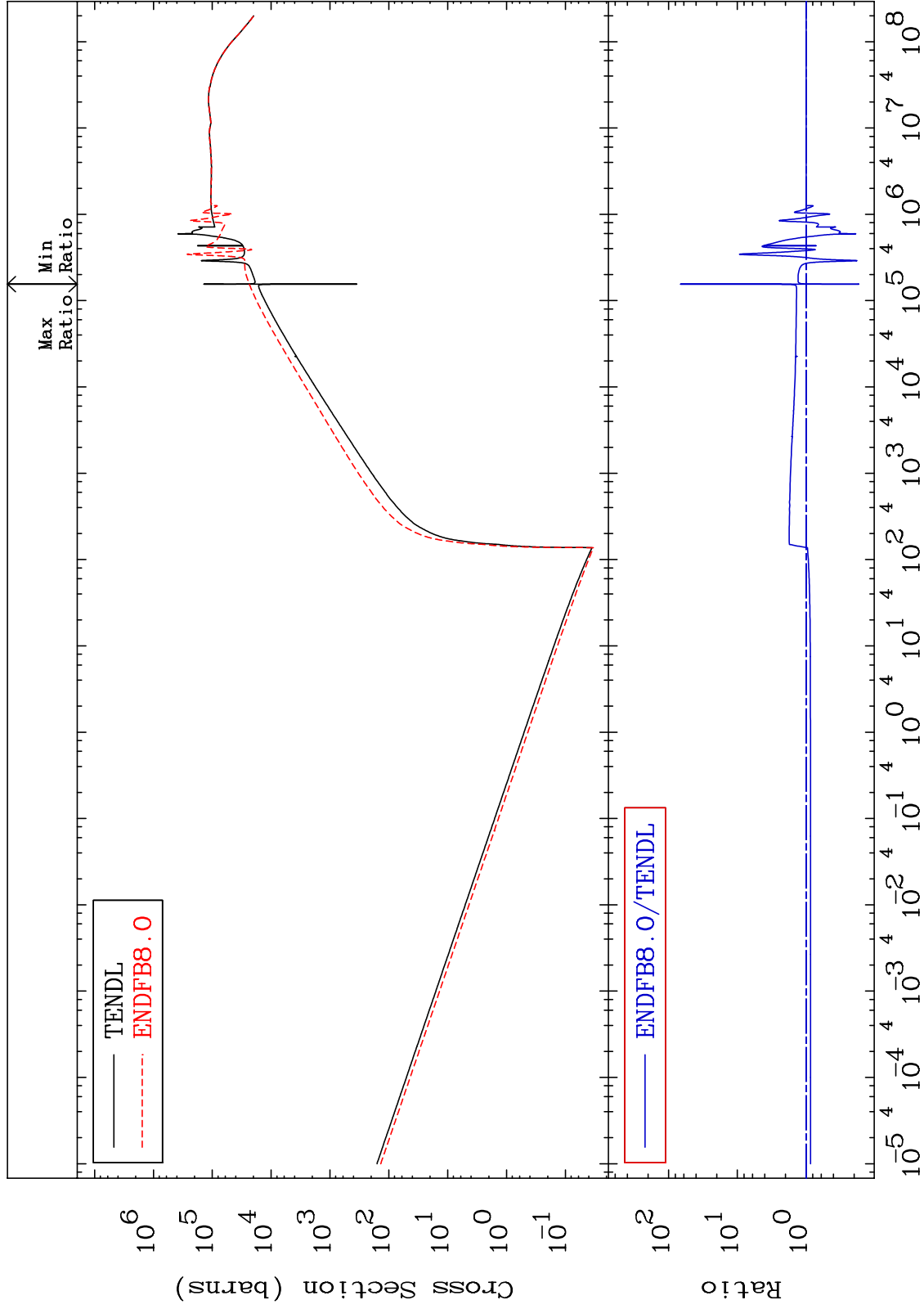
MAT 1031 Total kinematic kerma (high limit) Cross Section 10-Ne-22 -83.02 To 6598. %



MAT 1031

Dpa total (eV-barns)
Cross Section

10-Ne-22
-83.03 To 6596. %



75

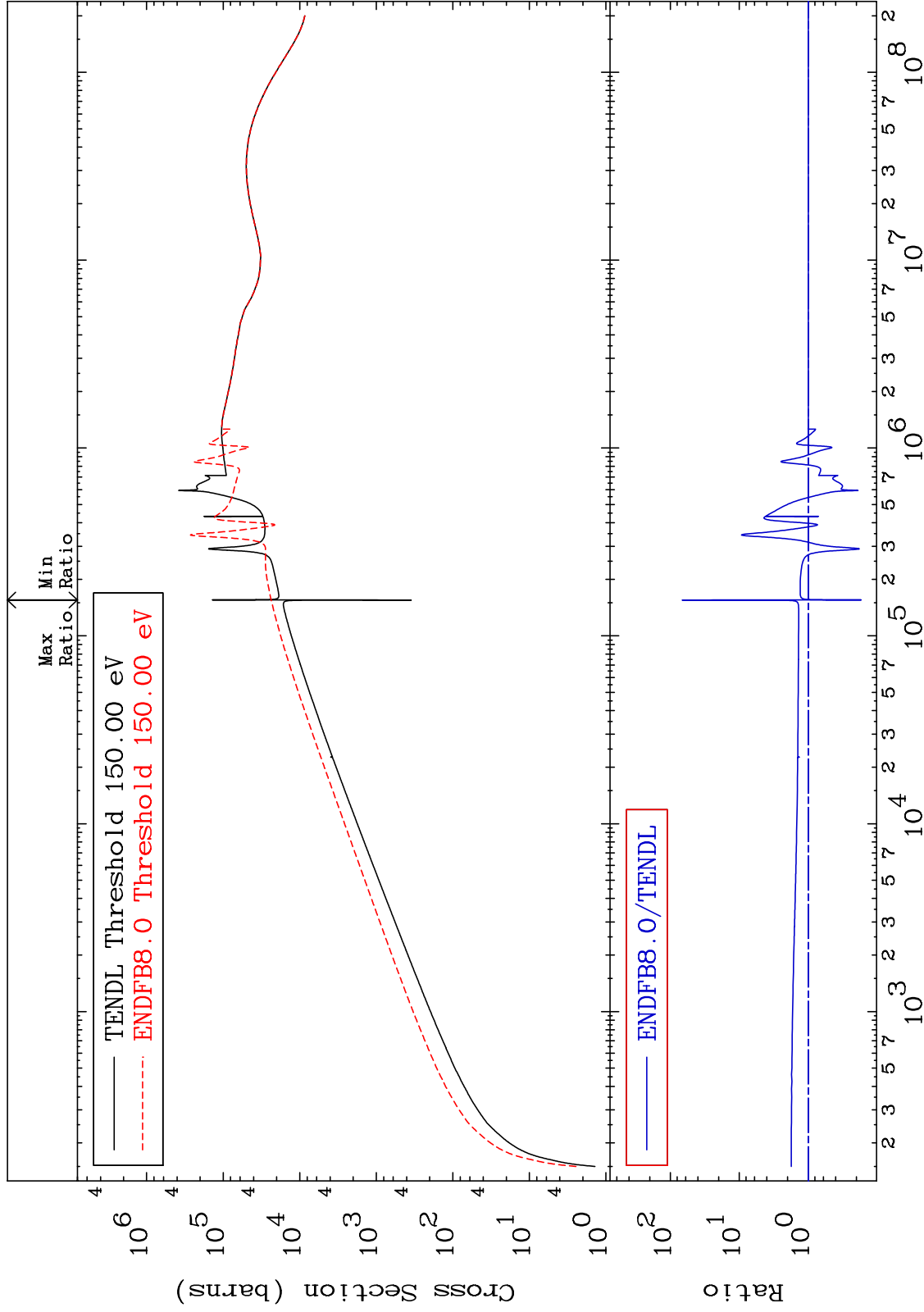
Incident Energy (eV)

10-Ne-22

MAT 1031

Dpa elastic (mt2)
Cross Section

10-Ne-22
-83.03 To 6596. %

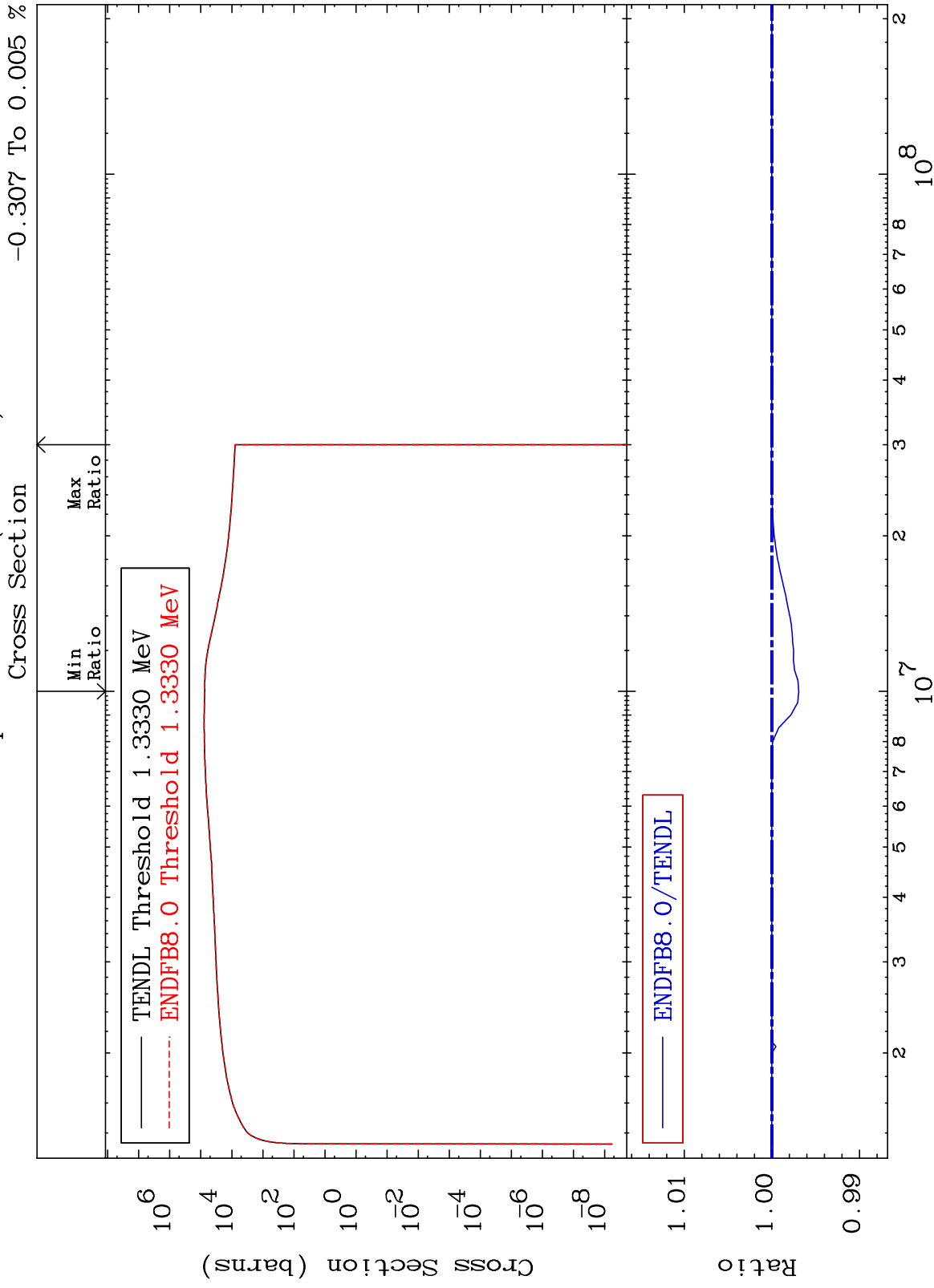


MAT 1031

Dpa inelastic (mt51-91)

10-Ne-22

-0.307 To 0.005 %



MAT 1031

Dpa disappearance (mt102 -120)
Cross Section

10-Ne-22
-100.0 To 9999. %

