

Program Complot
(Version 2018-1)

by

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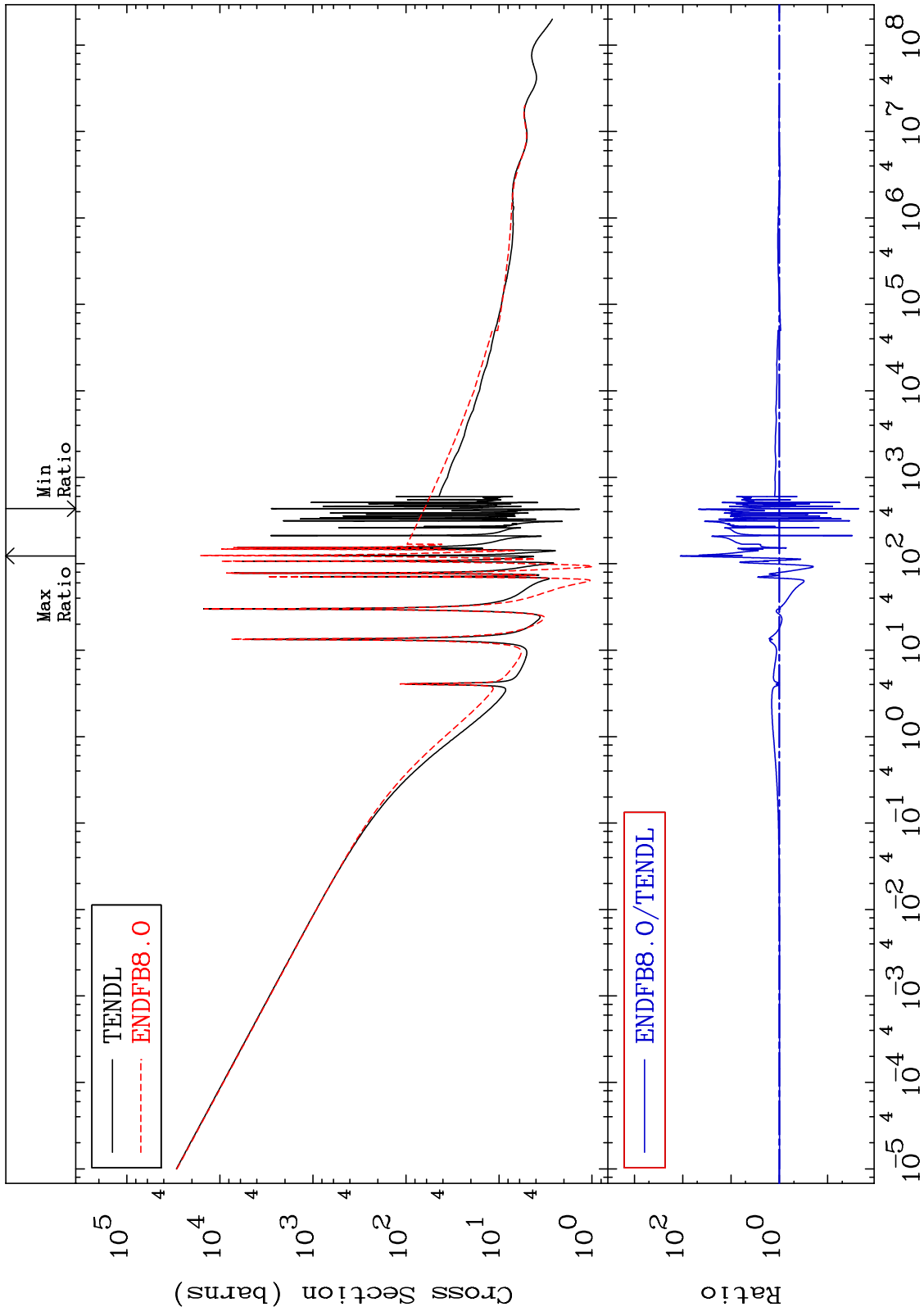
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7225

Total
Cross Section

72-Hf-174
-97.75 To 9999. %



Incident Energy (eV)

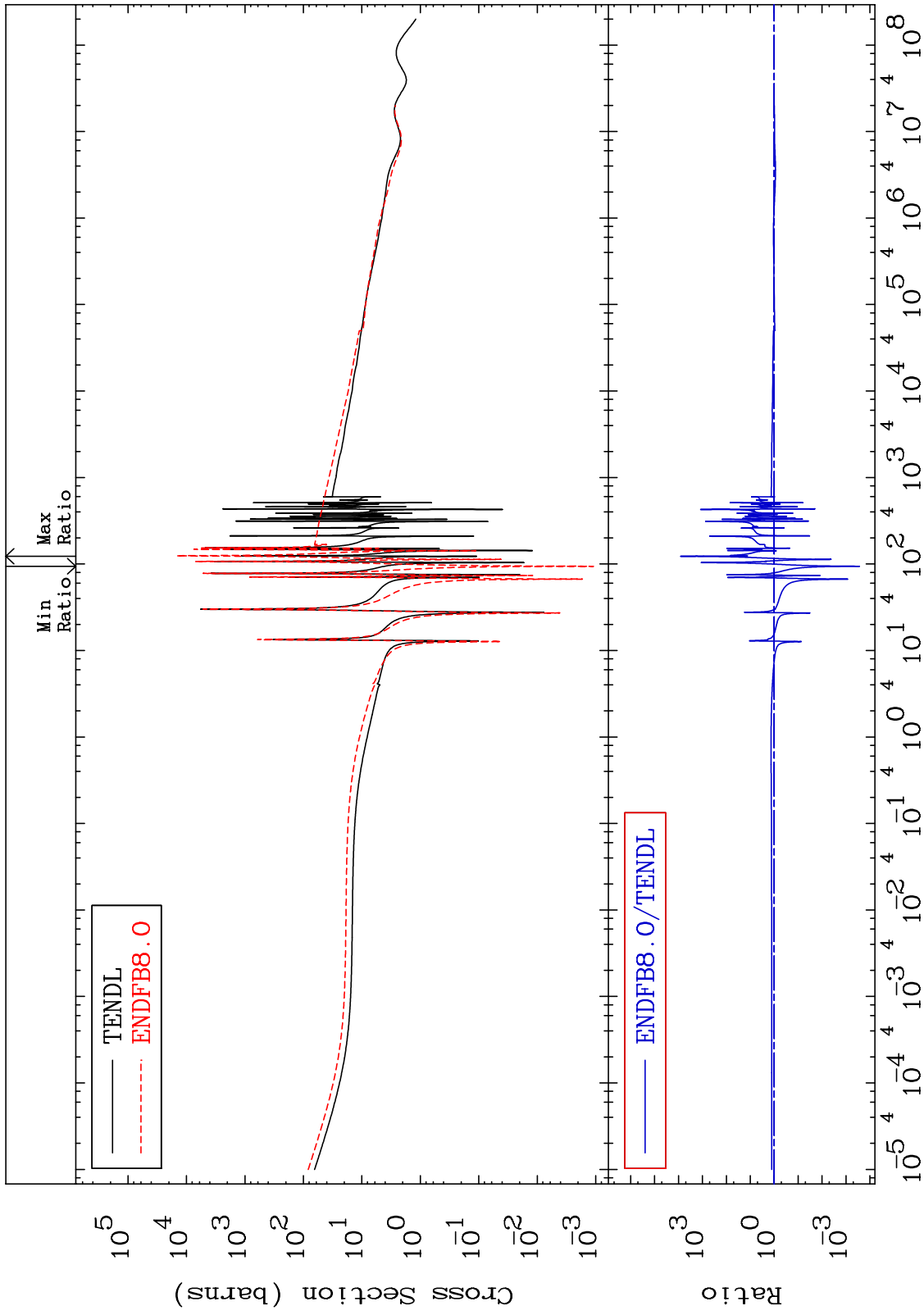
72-Hf-174

1

MAT 7225

Elastic
Cross Section

72-Hf-174
-99.97 To 9999. %

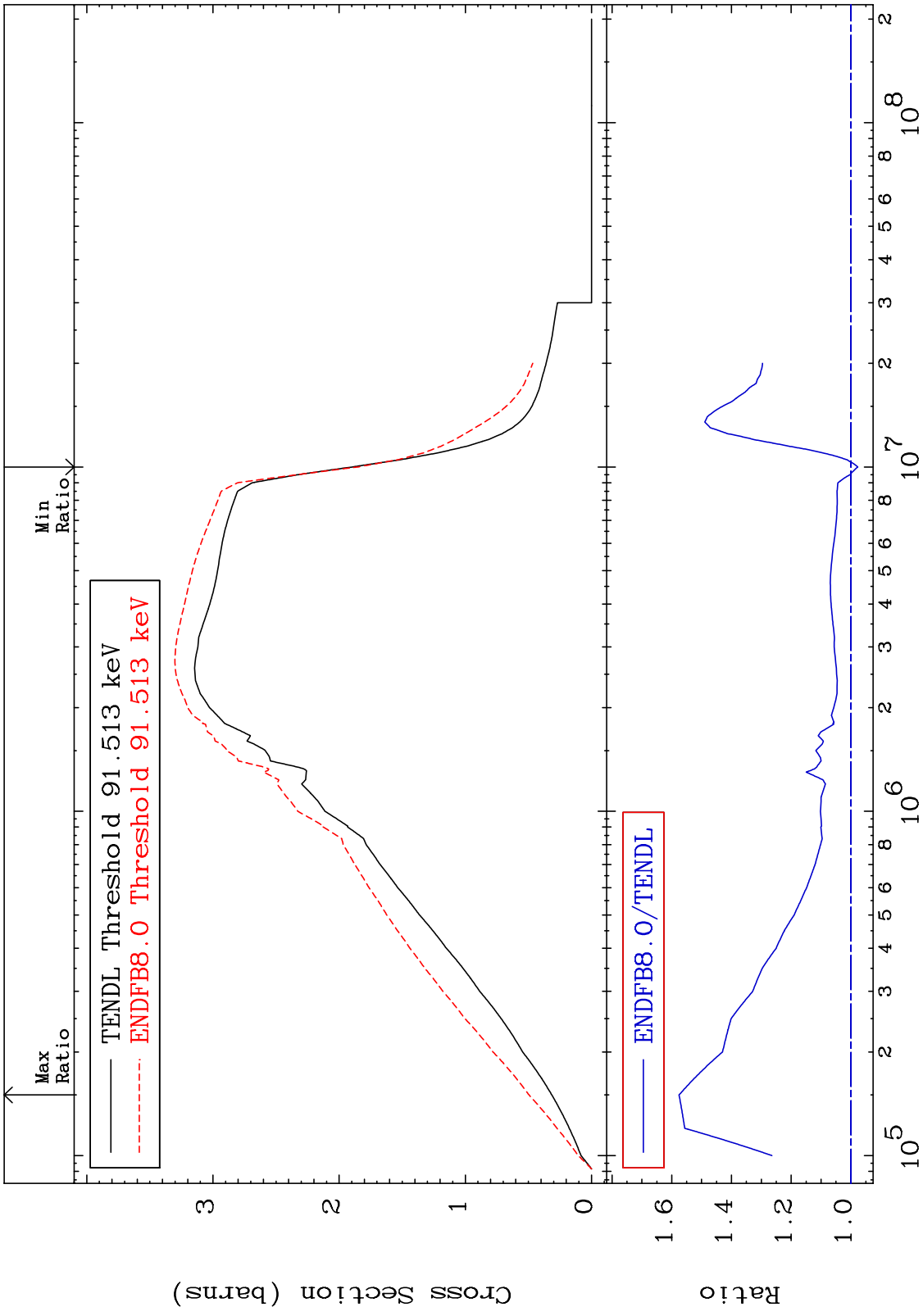


2

Incident Energy (eV)

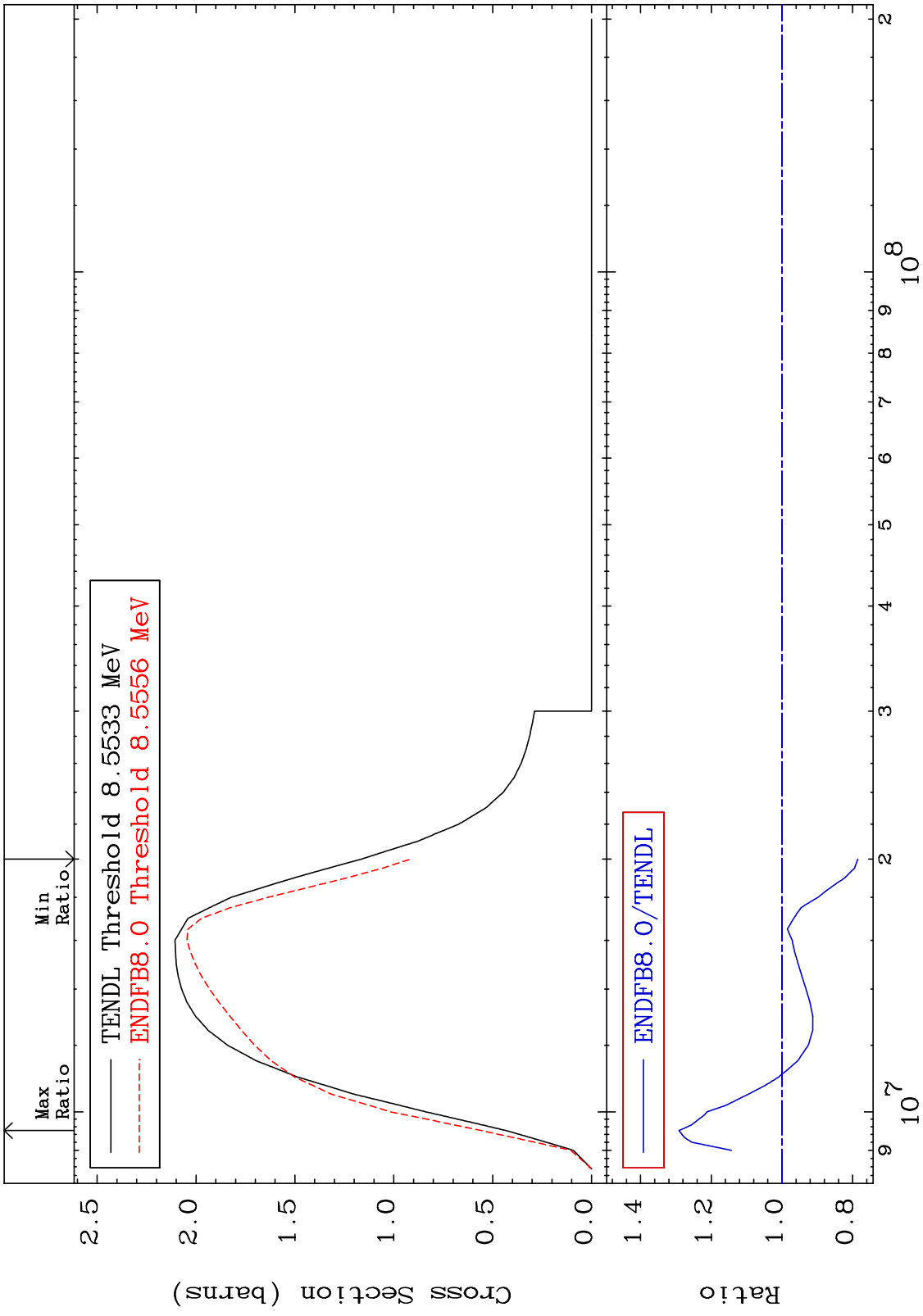
72-Hf-174

MAT 7225 Inelastic Cross Section 72-Hf-174 -2.320 To 57.55 %



3 Incident Energy (eV) 72-Hf-174

MAT 7225 (n,2n) Cross Section 72-Hf-174 -21.47 To 29.11 %



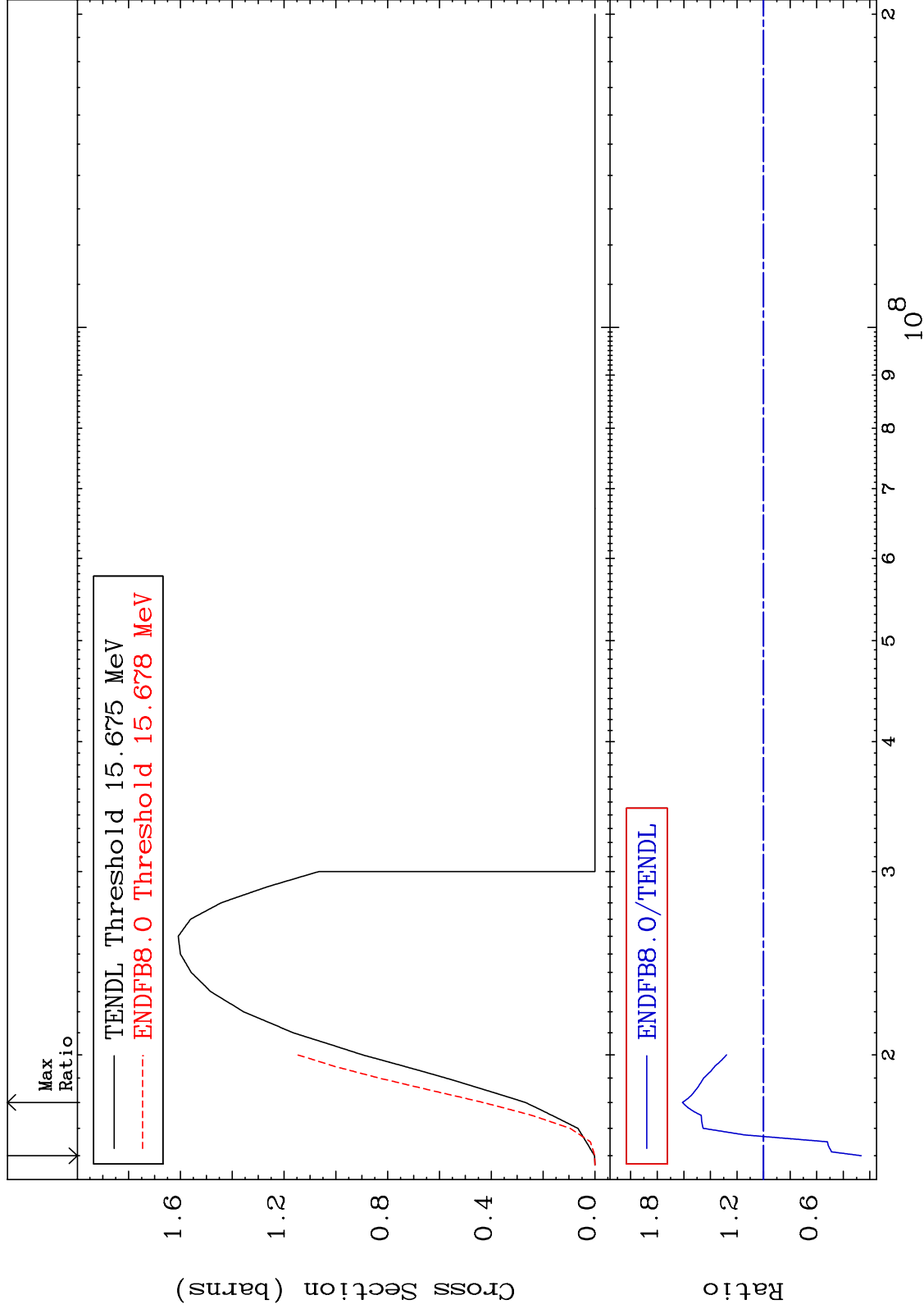
MAT 7225

(n,3n)

72-Hf-174

Cross Section

-73.57 To 61.03 %



5

Incident Energy (eV)

72-Hf-174

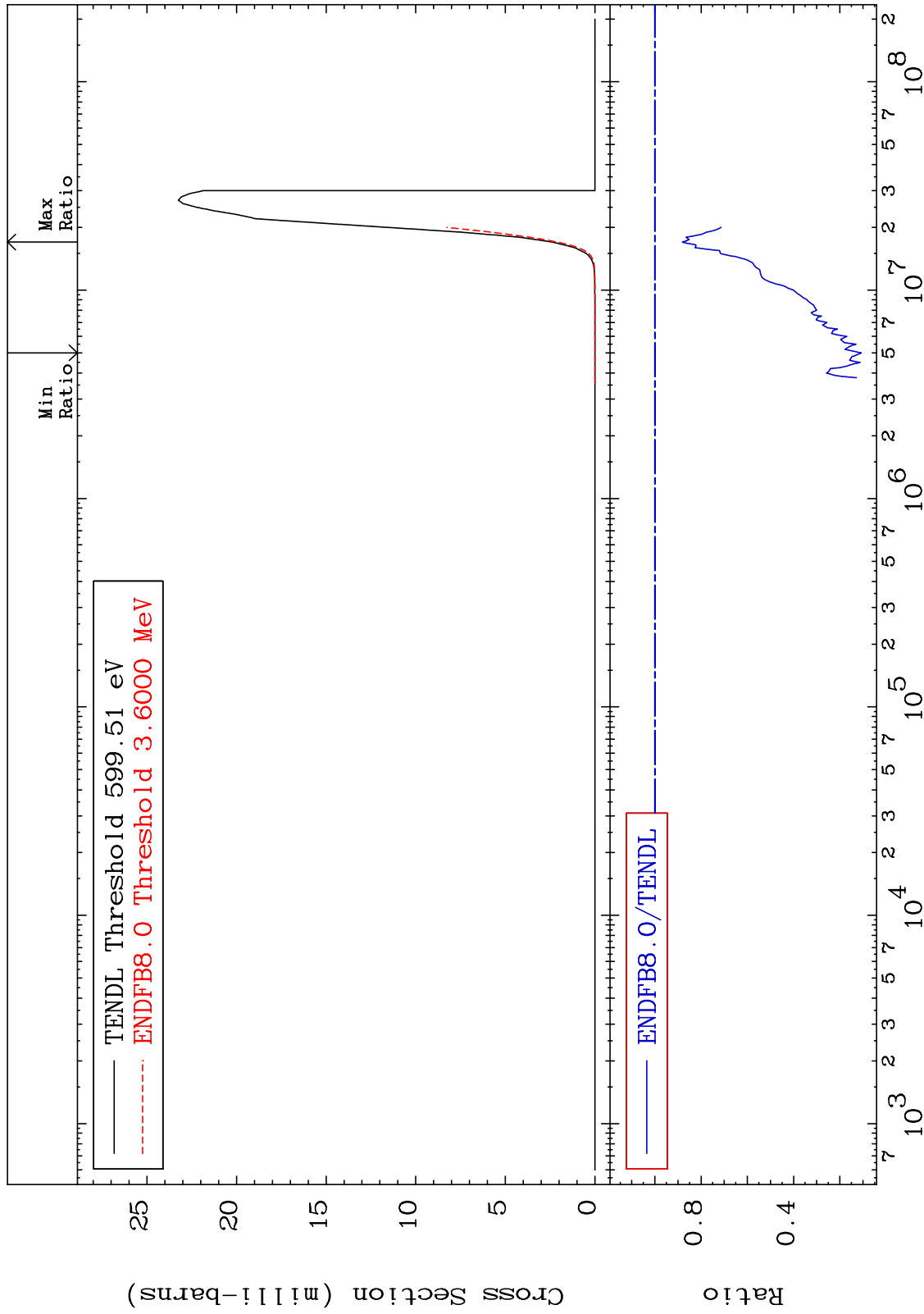
MAT 7225

(n,n') α

72-Hf-174

Cross Section

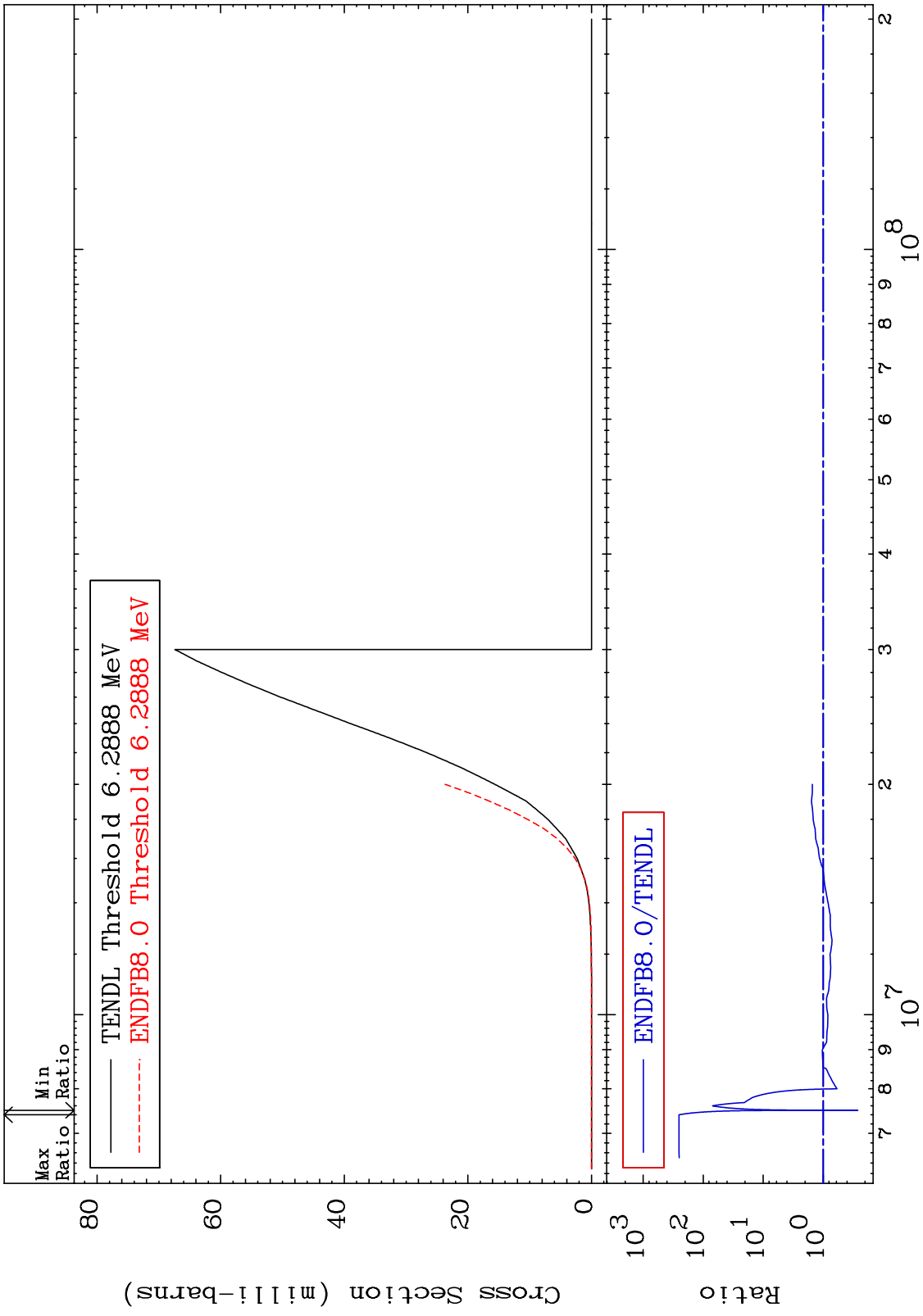
-89.28 To -11.93%



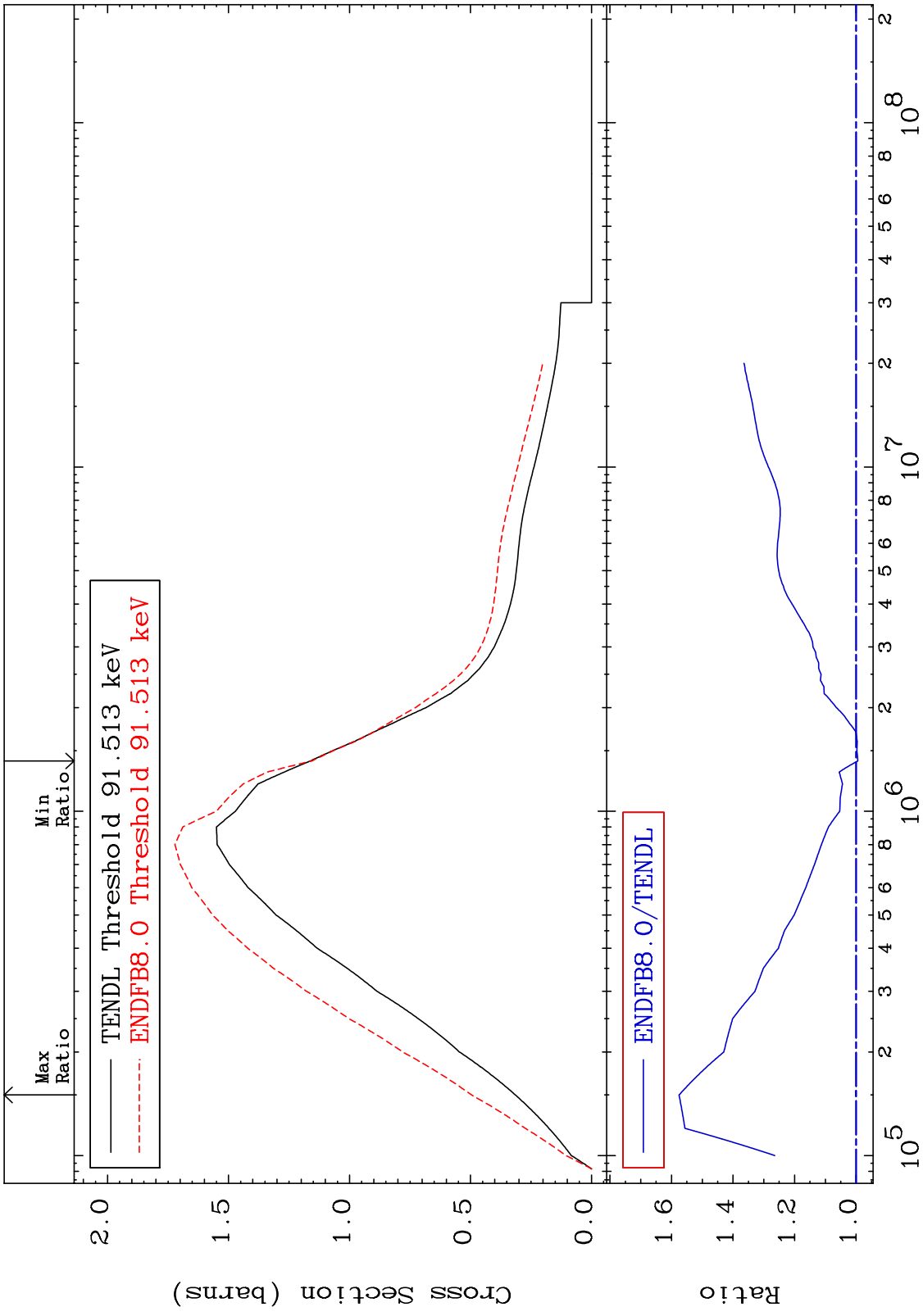
6

Incident Energy (eV)

72-Hf-174

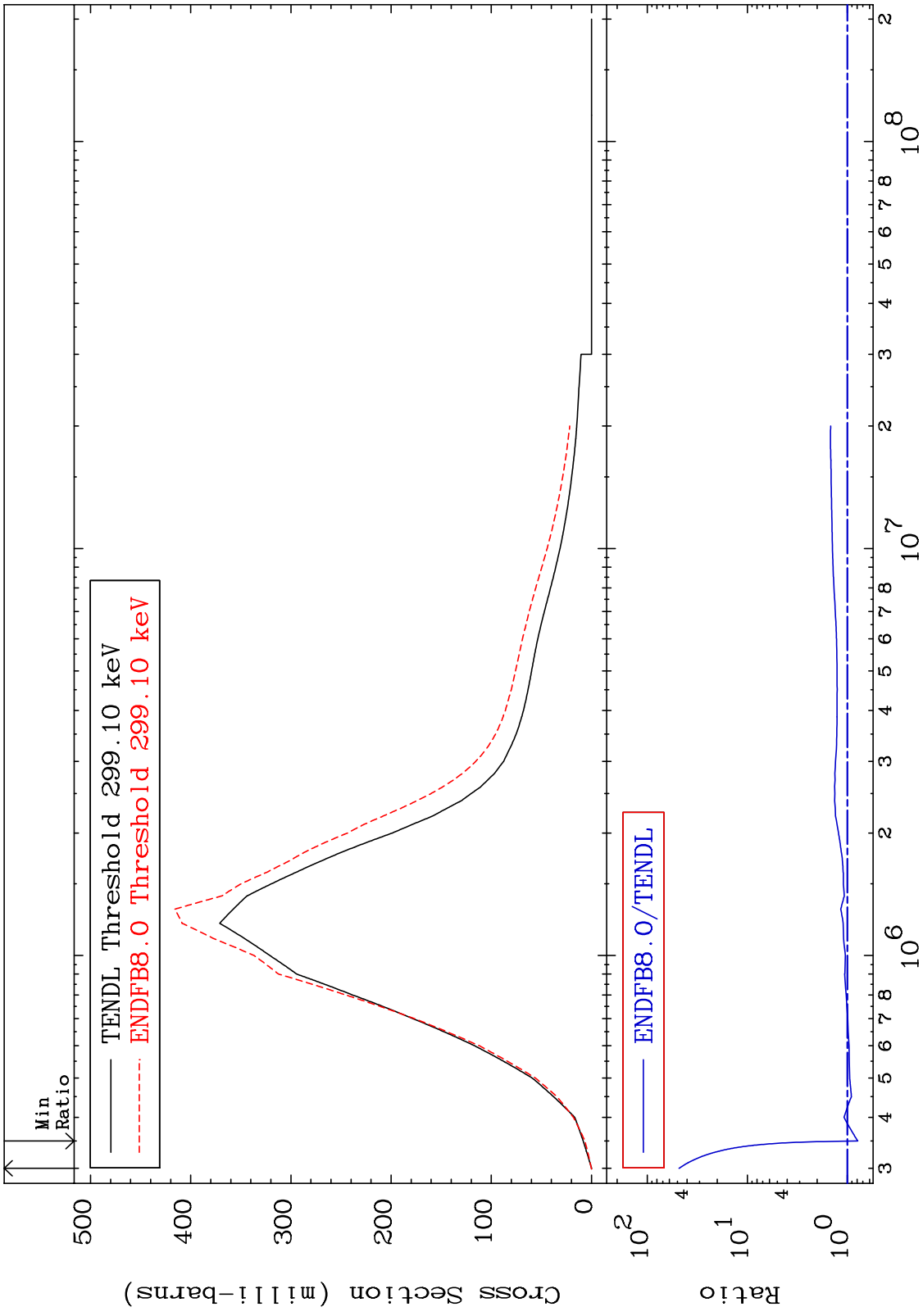


MAT 7225 MT= 51 (n,n') Level Cross Section 72-Hf-174 -0.555 To 57.55 %

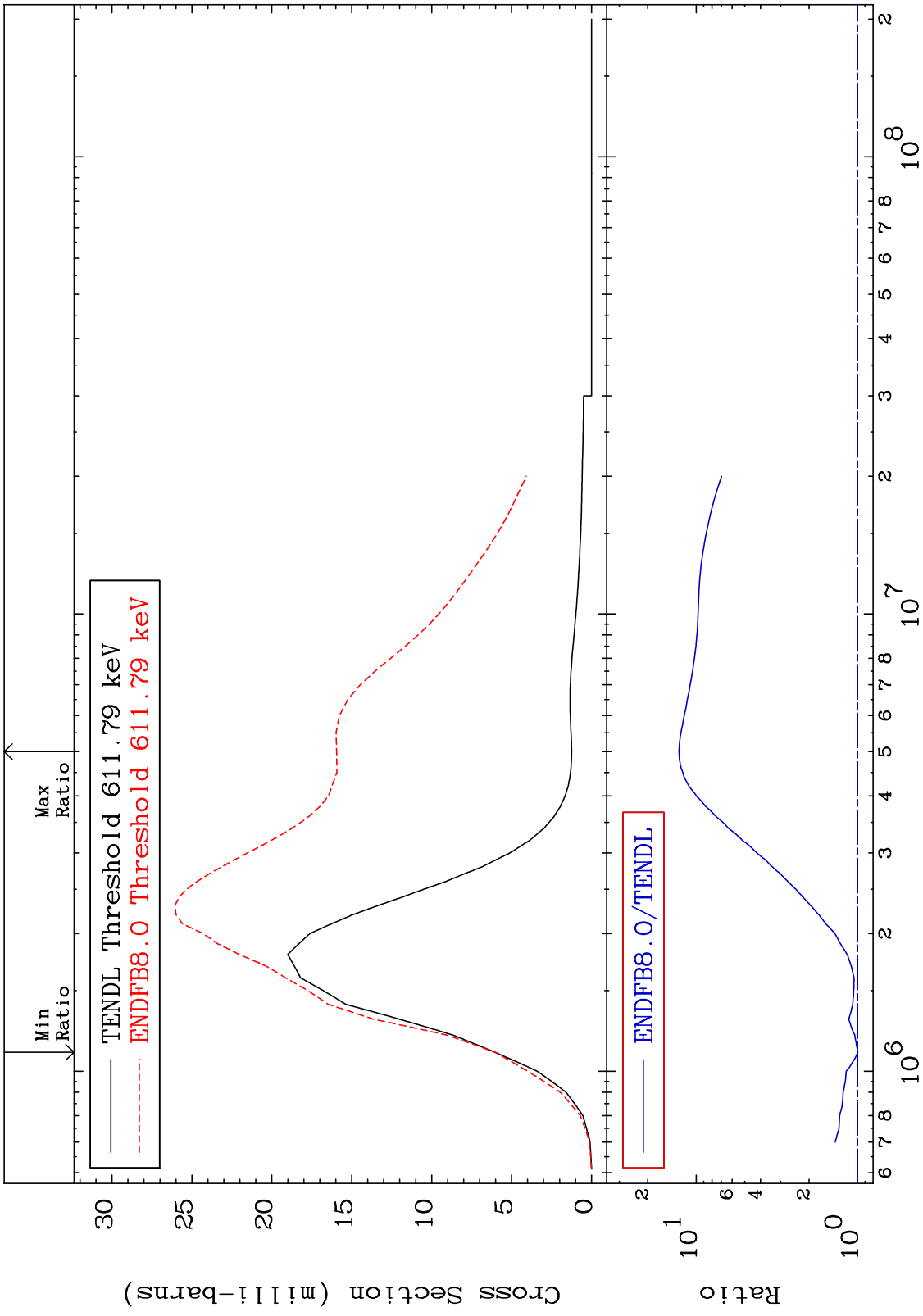


8 Incident Energy (eV) 72-Hf-174

MAT 7225 MT= 52 (n,n') Level Cross Section 72-Hf-174 -21.44 To 4711. %

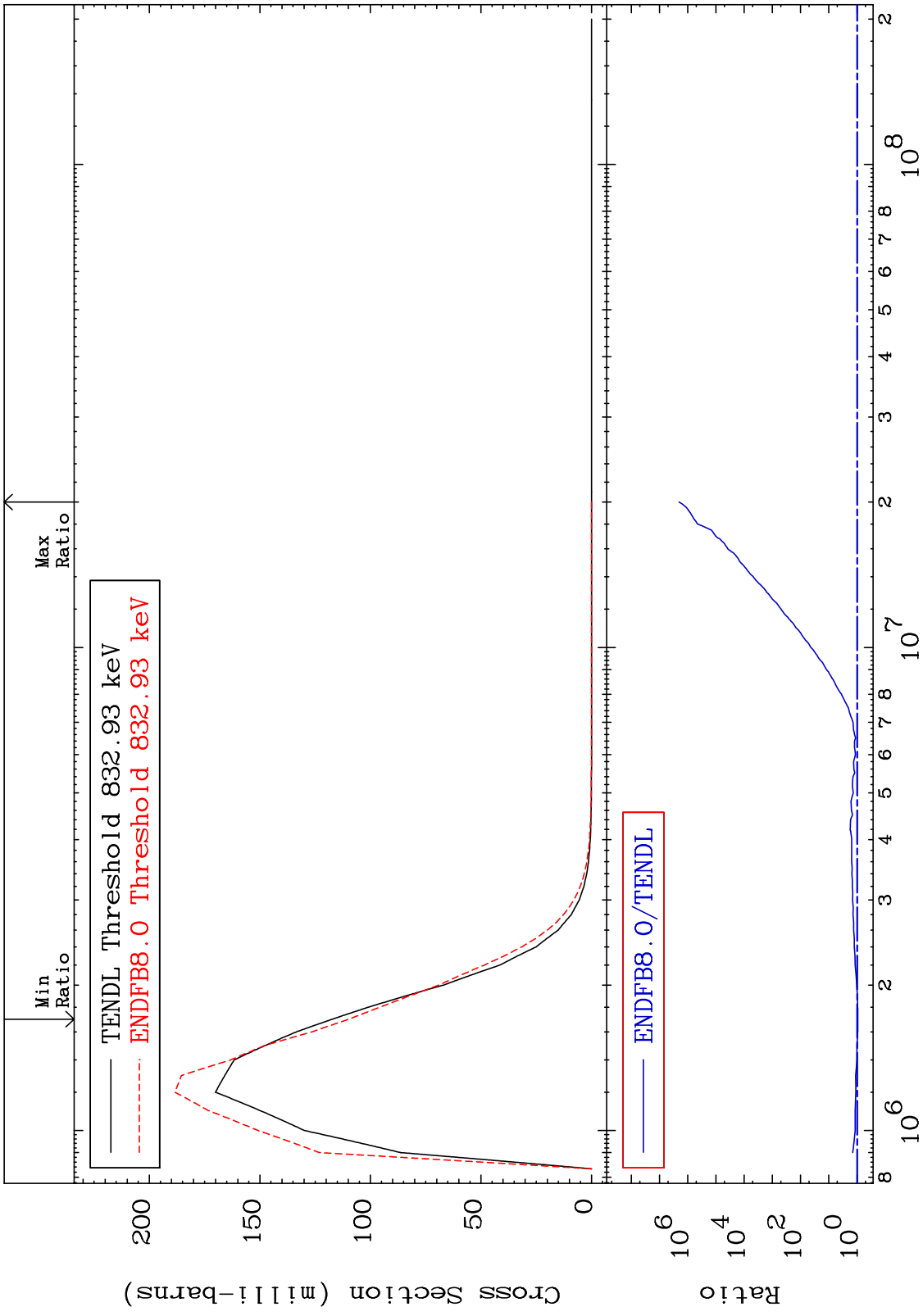


MAT 7225 MT= 53 (n,n') Level 72-Hf-174
 Cross Section -0.331 To 1179. %

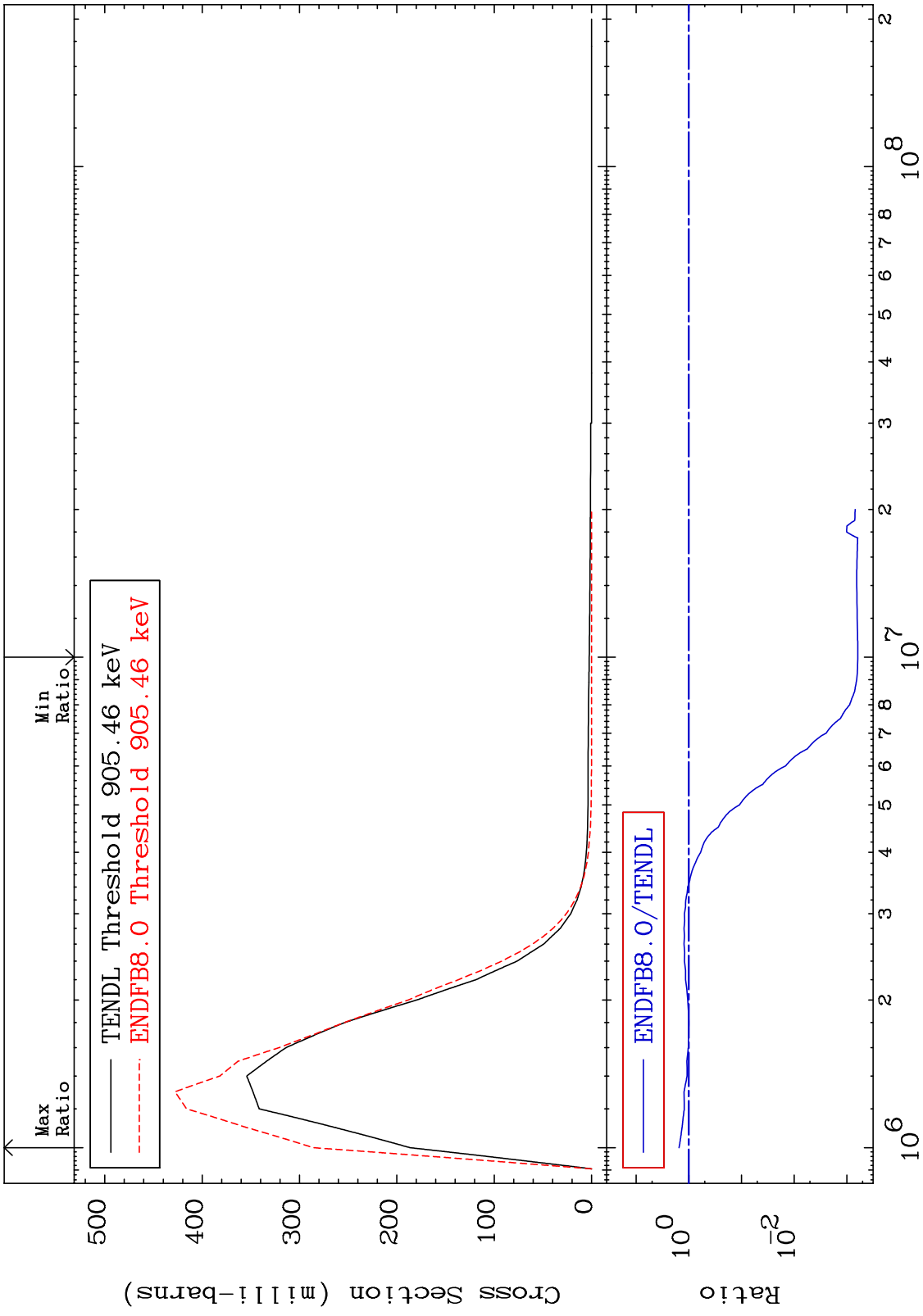


10 Incident Energy (eV) 72-Hf-174

MAT 7225 MT= 54 (n,n') Level Cross Section 72-Hf-174
 -6.394 To 9999. %

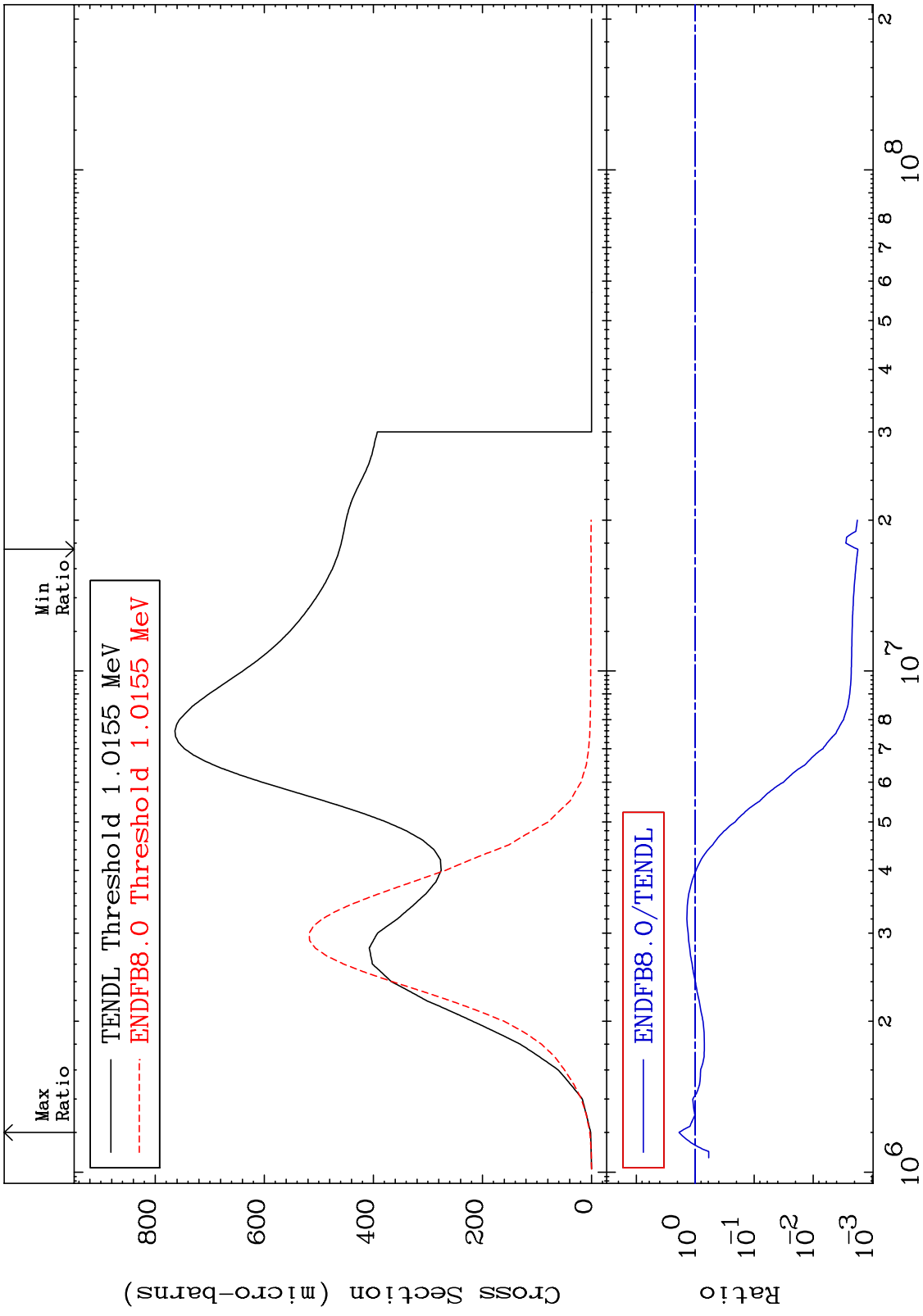


MAT 7225 MT= 55 (n,n') Level Cross Section 72-Hf-174 -99.94 To 53.23 %



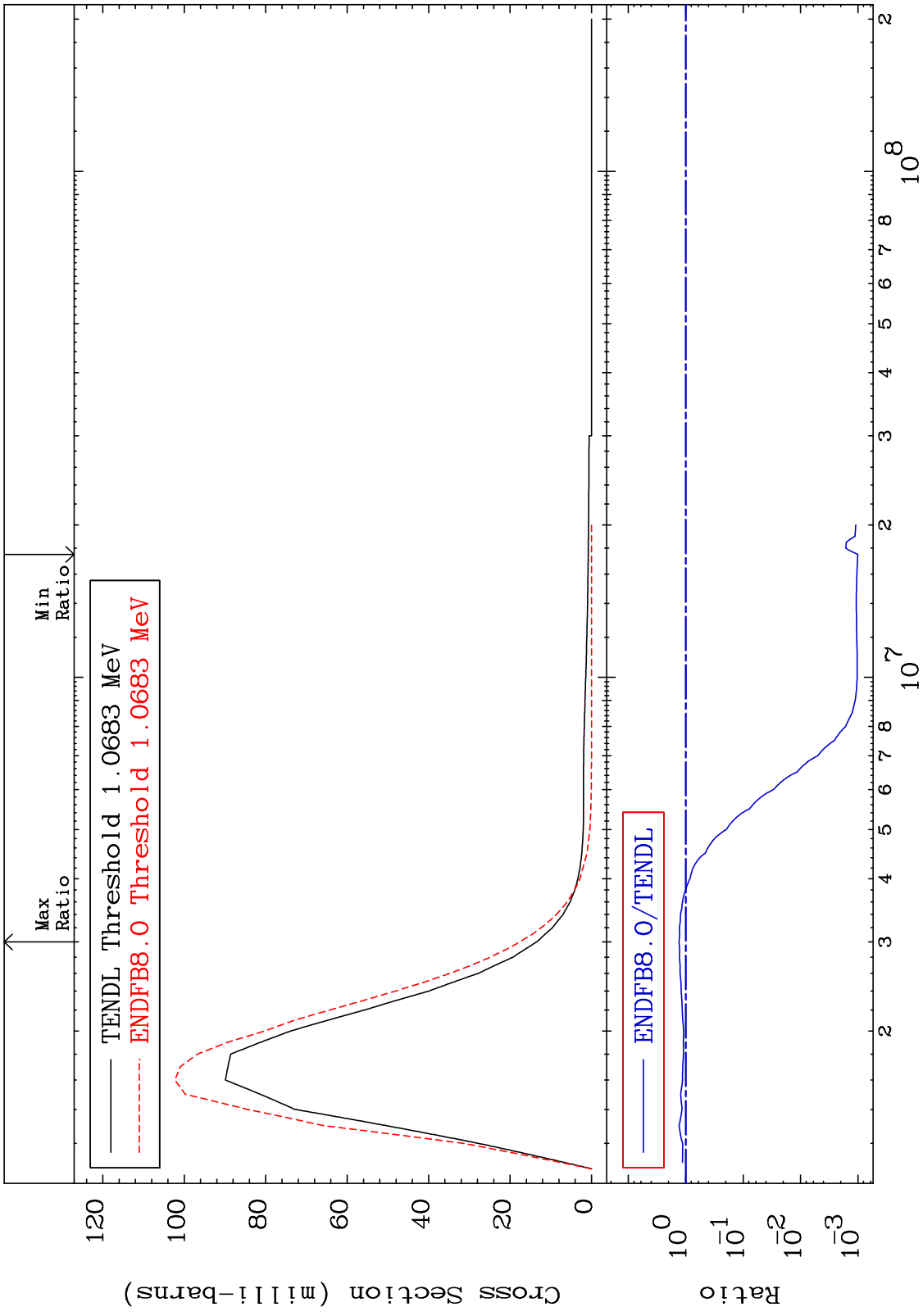
12 Incident Energy (eV) 72-Hf-174

MAT 7225 MT= 56 (n,n') Level Cross Section 72-Hf-174 -99.82 To 88.24 %

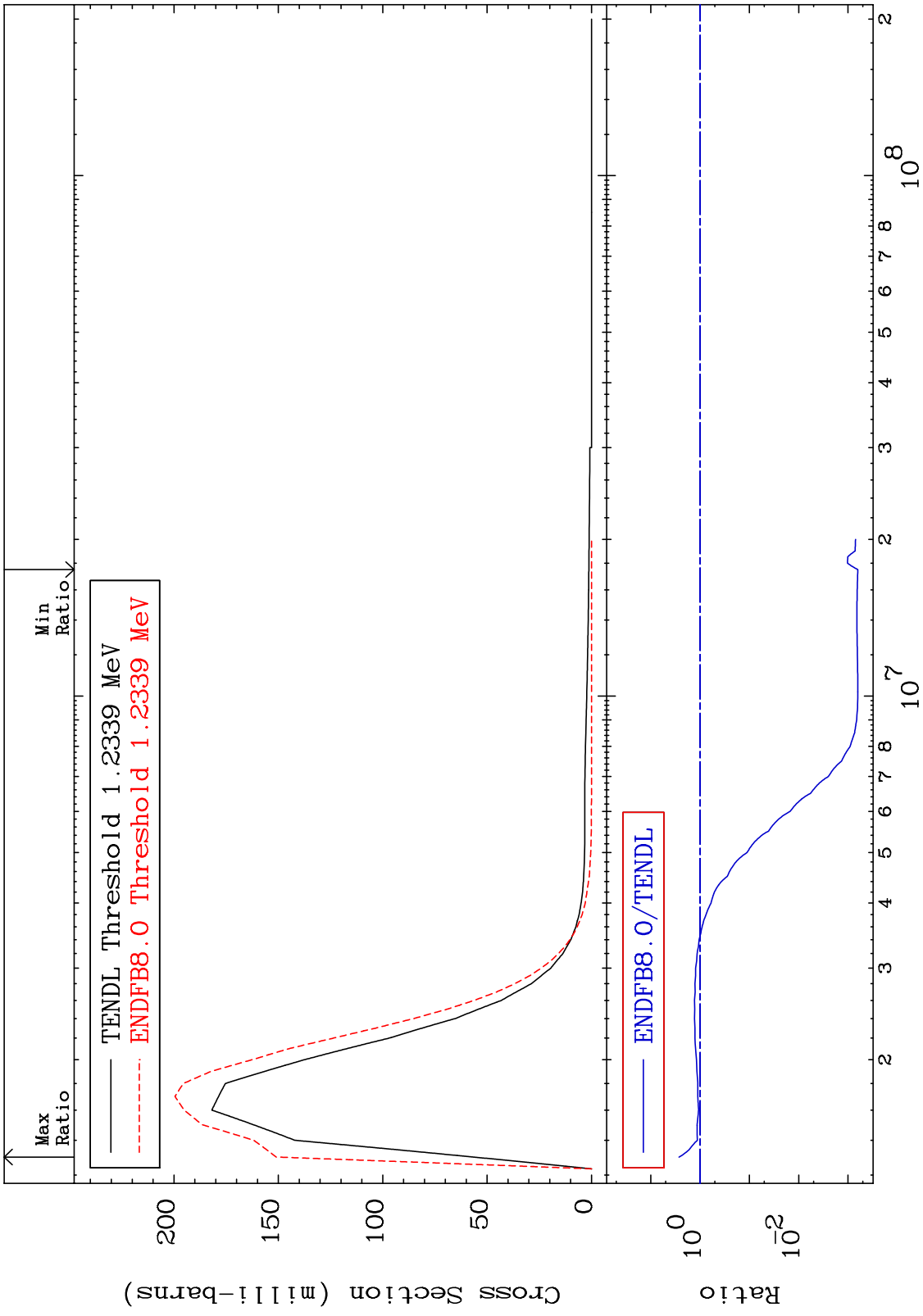


13 Incident Energy (eV) 72-Hf-174

MAT 7225 MT= 57 (n,n') Level Cross Section 72-Hf-174
 -99.90 To 30.71 %



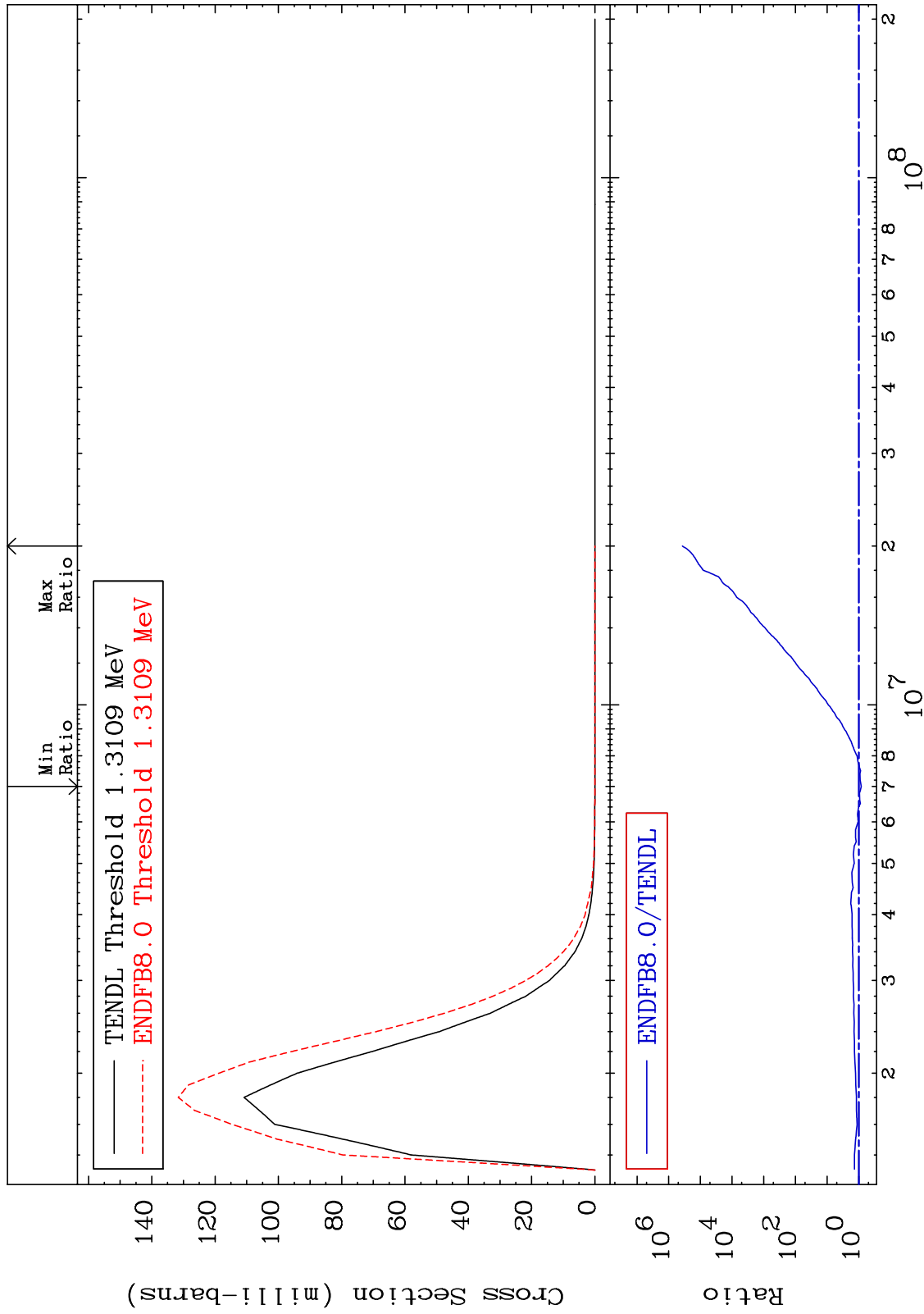
MAT 7225 MT= 58 (n,n') Level Cross Section 72-Hf-174 -99.94 To 166.9 %



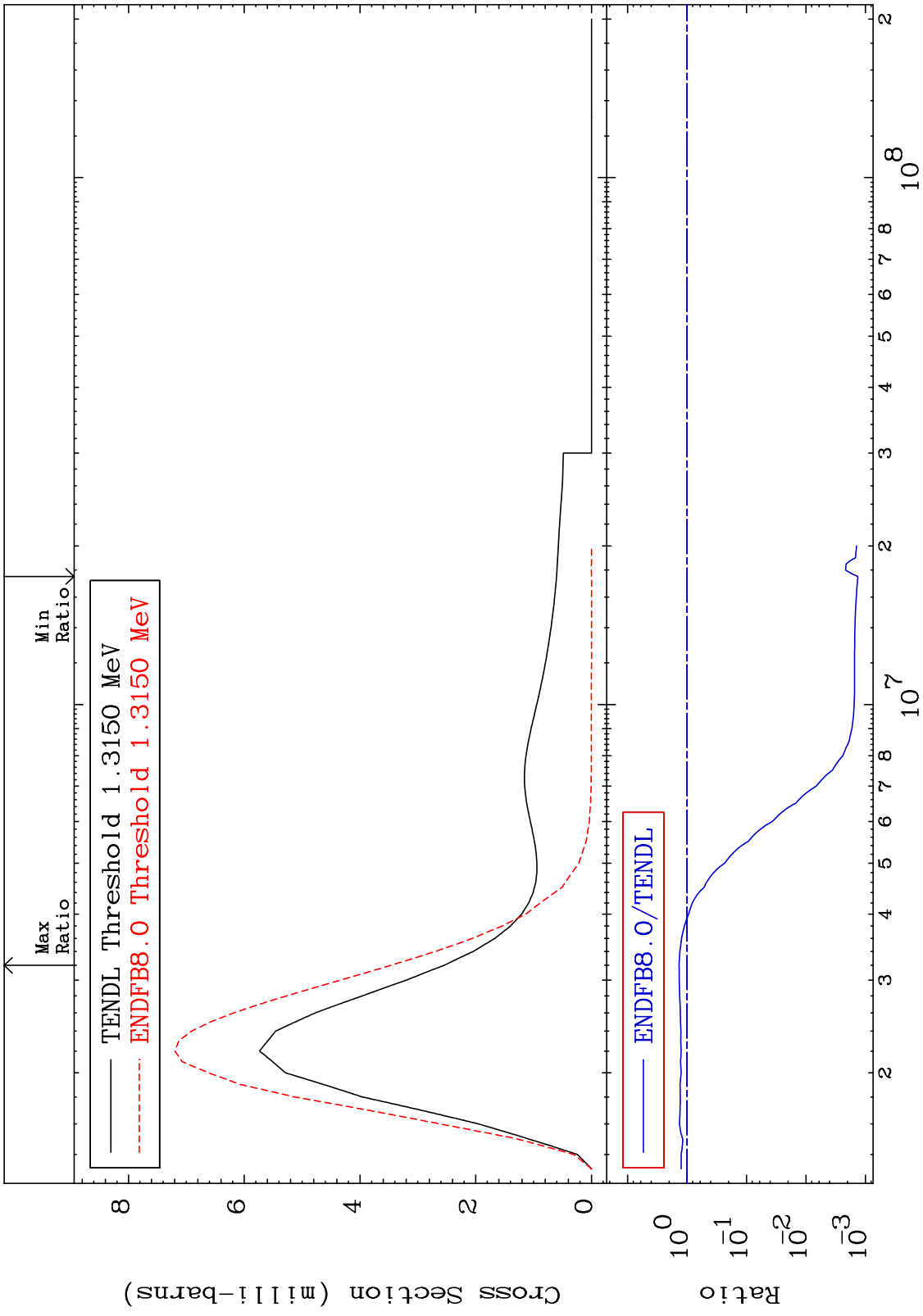
MAT 7225

MT= 59 (n,n') Level
Cross Section

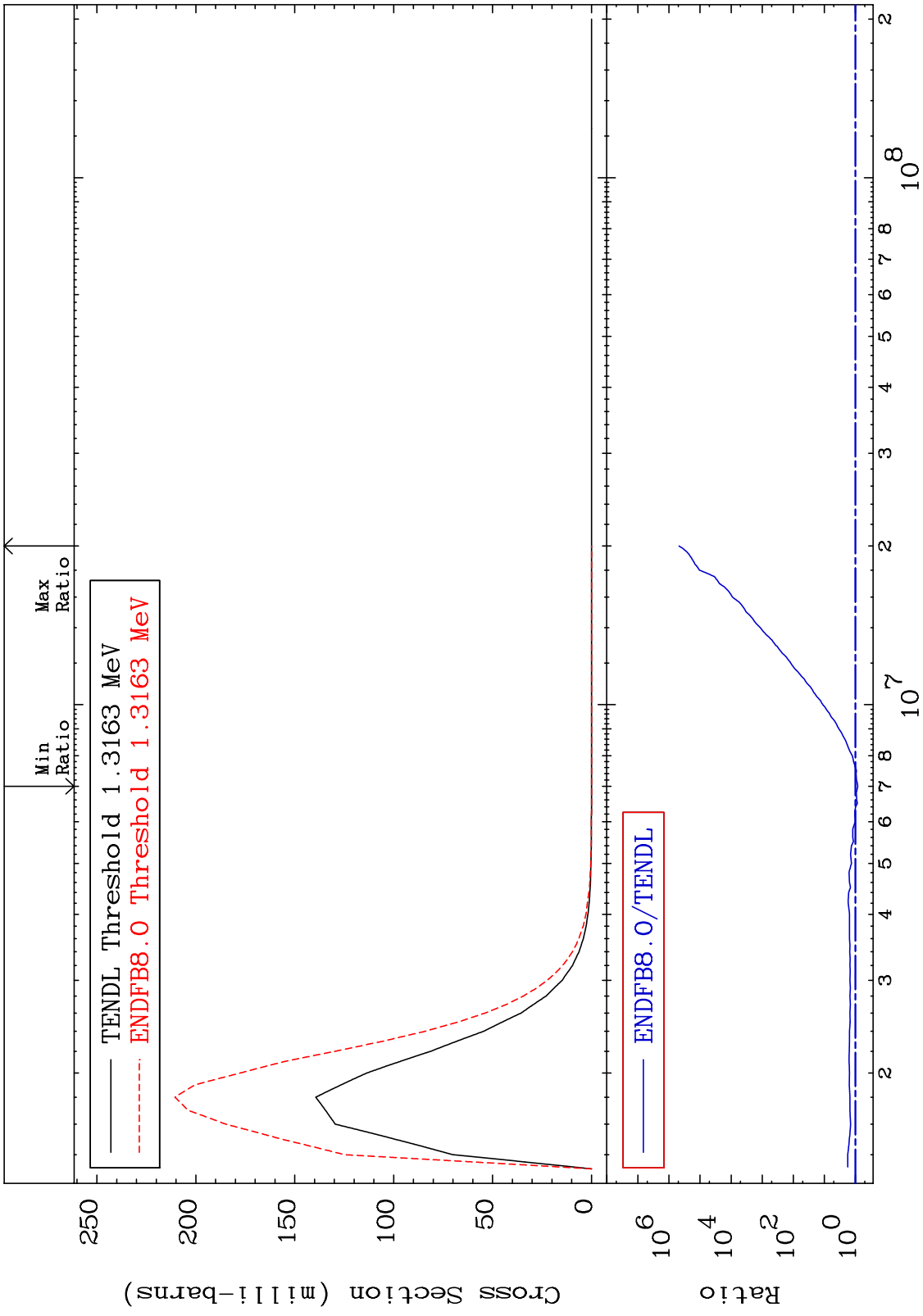
72-Hf-174
-16.46 To 9999. %



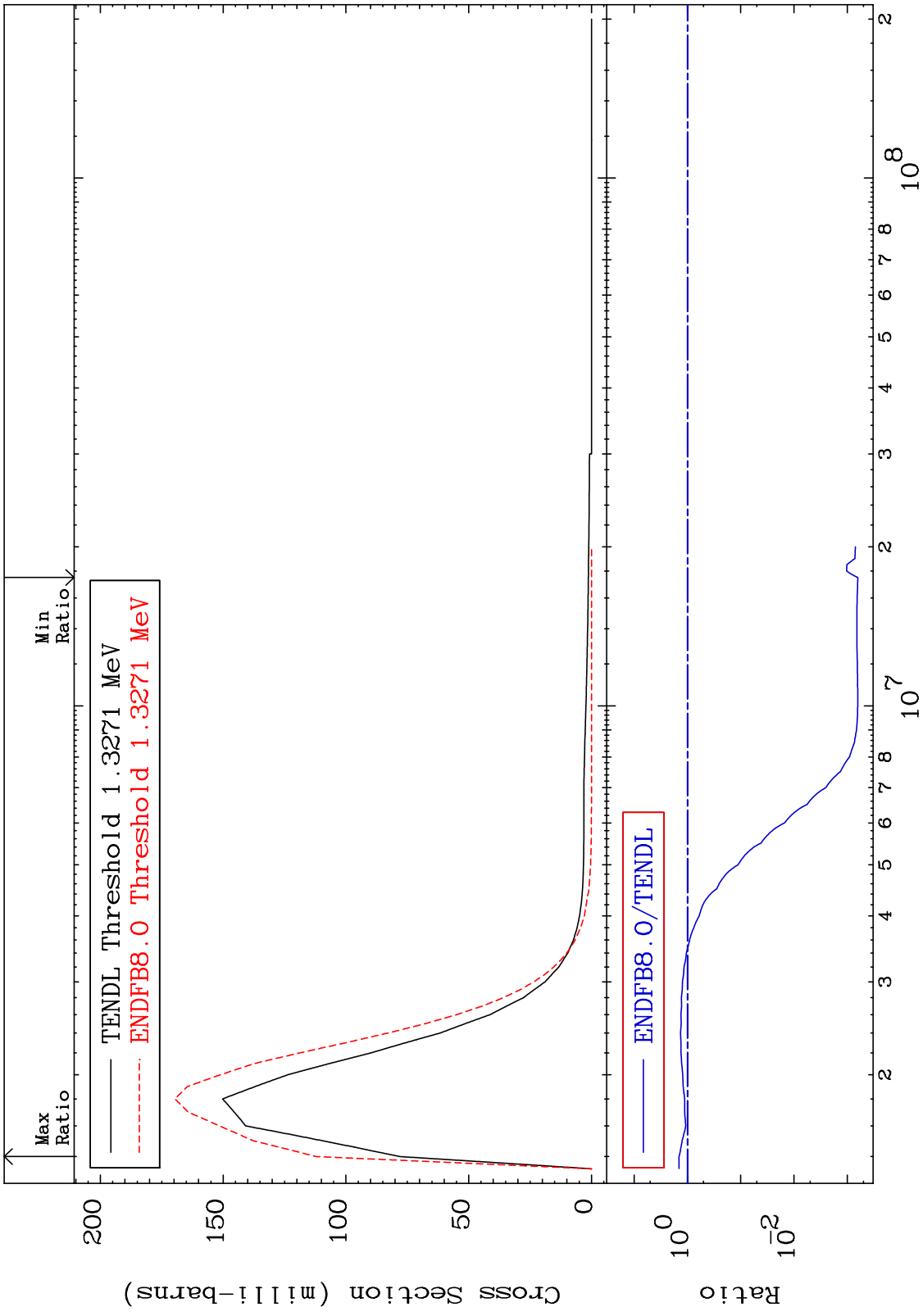
MAT 7225 MT= 60 (n,n') Level Cross Section 72-Hf-174 -99.87 To 36.11 %



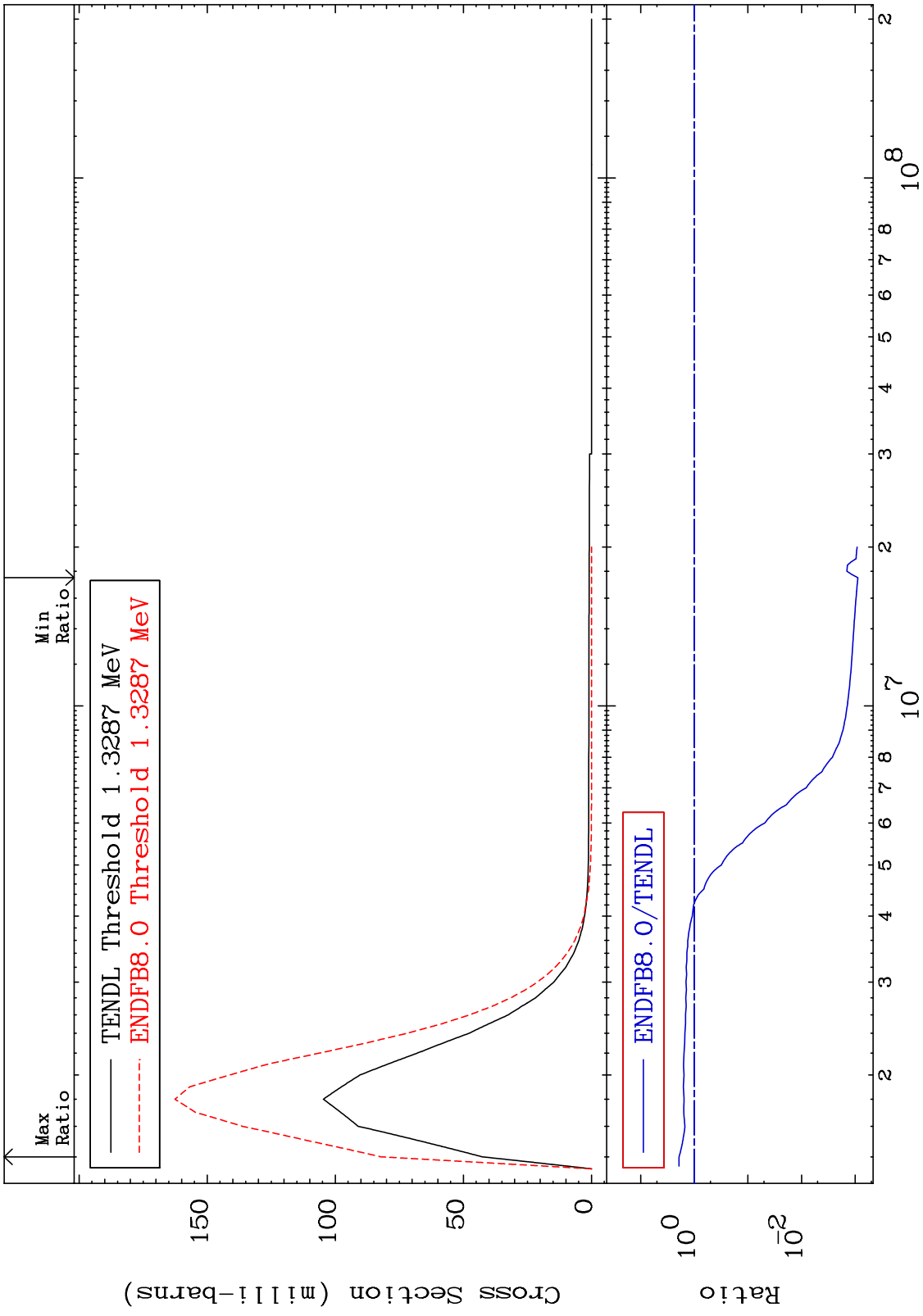
MAT 7225 MT= 61 (n,n') Level Cross Section 72-Hf-174
 -16.12 To 9999. %



MAT 7225 MT= 62 (n,n') Level Cross Section 72-Hf-174 -99.94 To 43.56 %

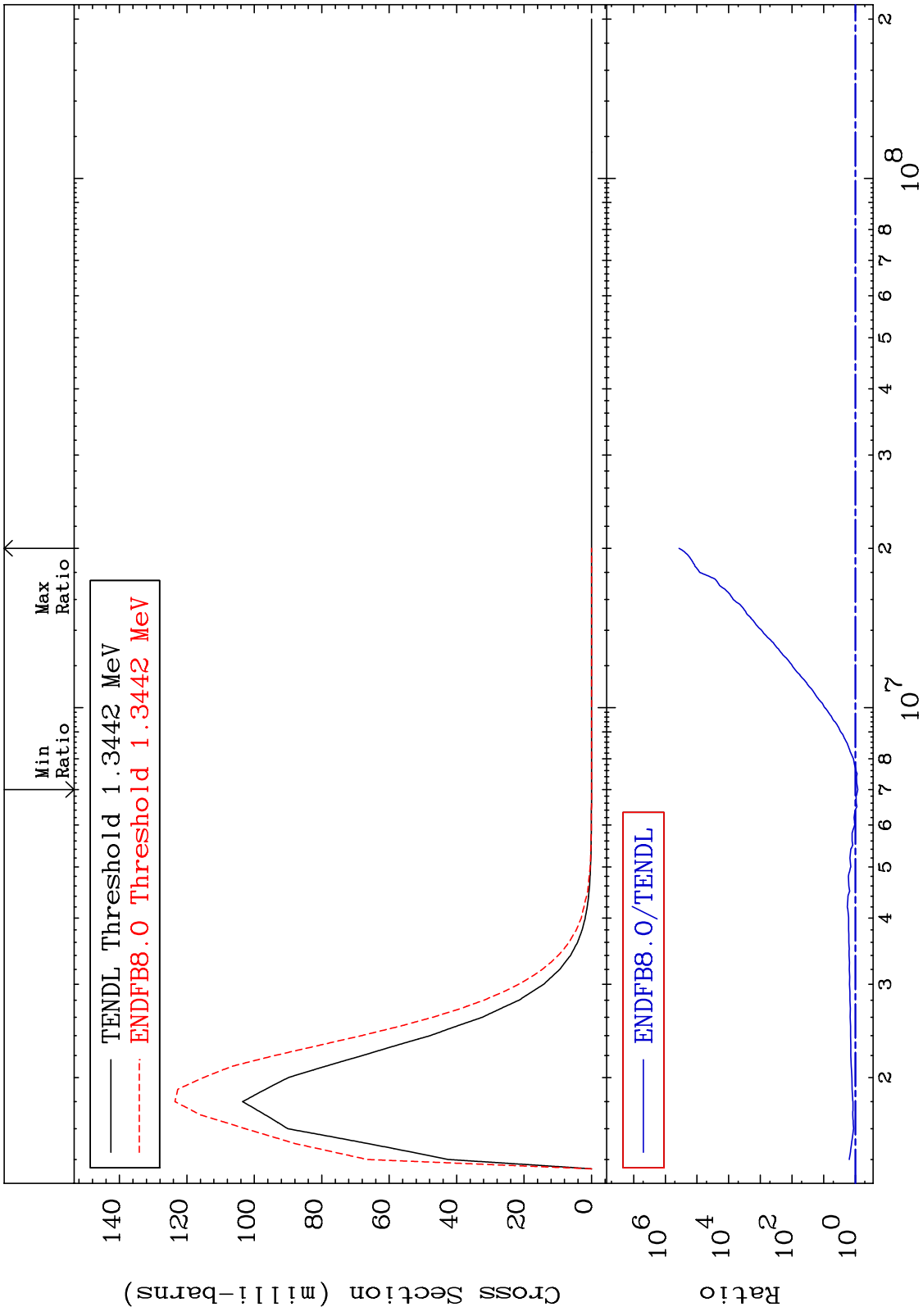


MAT 7225 MT= 63 (n,n') Level Cross Section 72-Hf-174 -99.91 To 92.73 %

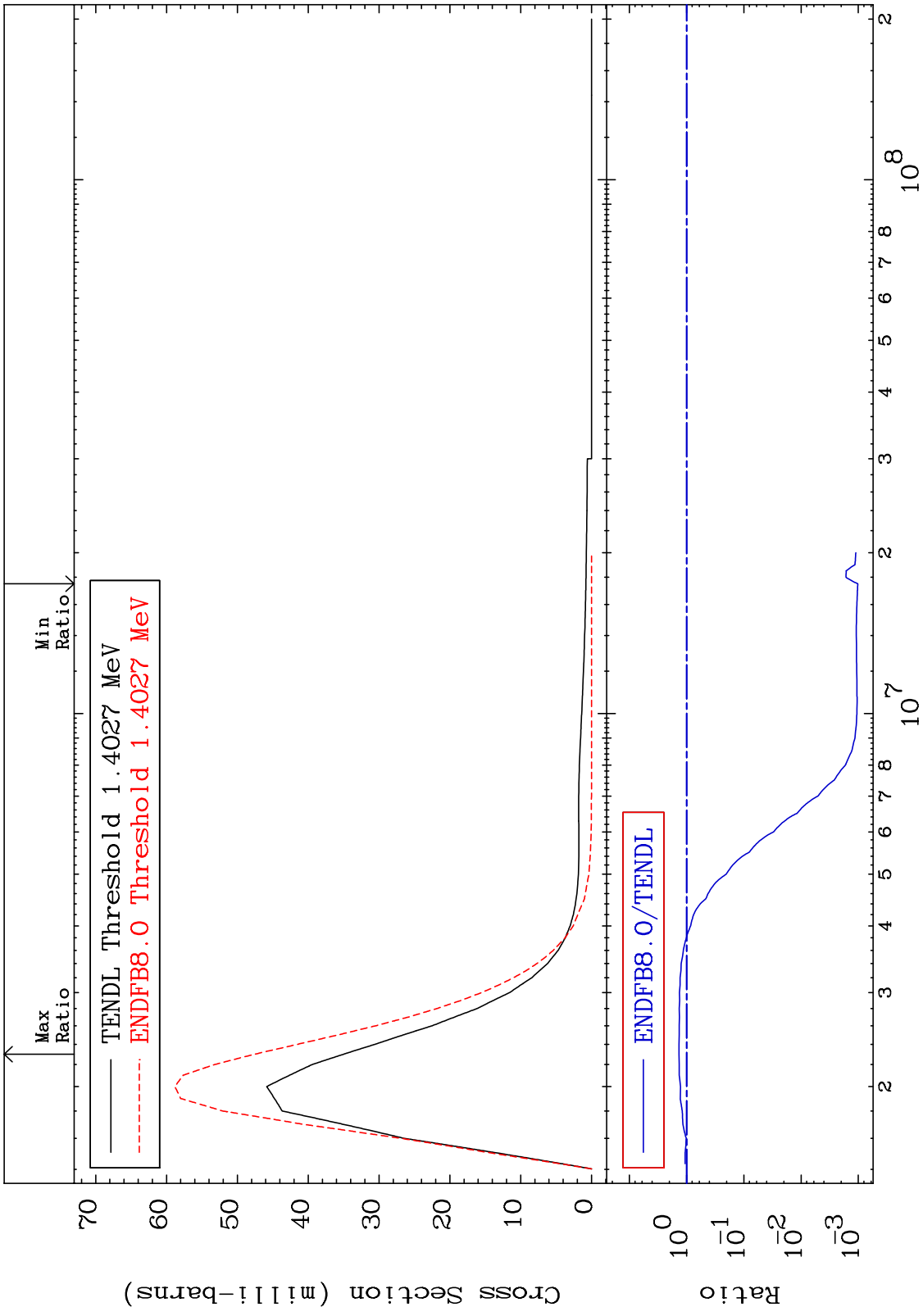


20 72-Hf-174

MAT 7225 MT= 64 (n,n') Level Cross Section 72-Hf-174
 -16.55 To 9999. %



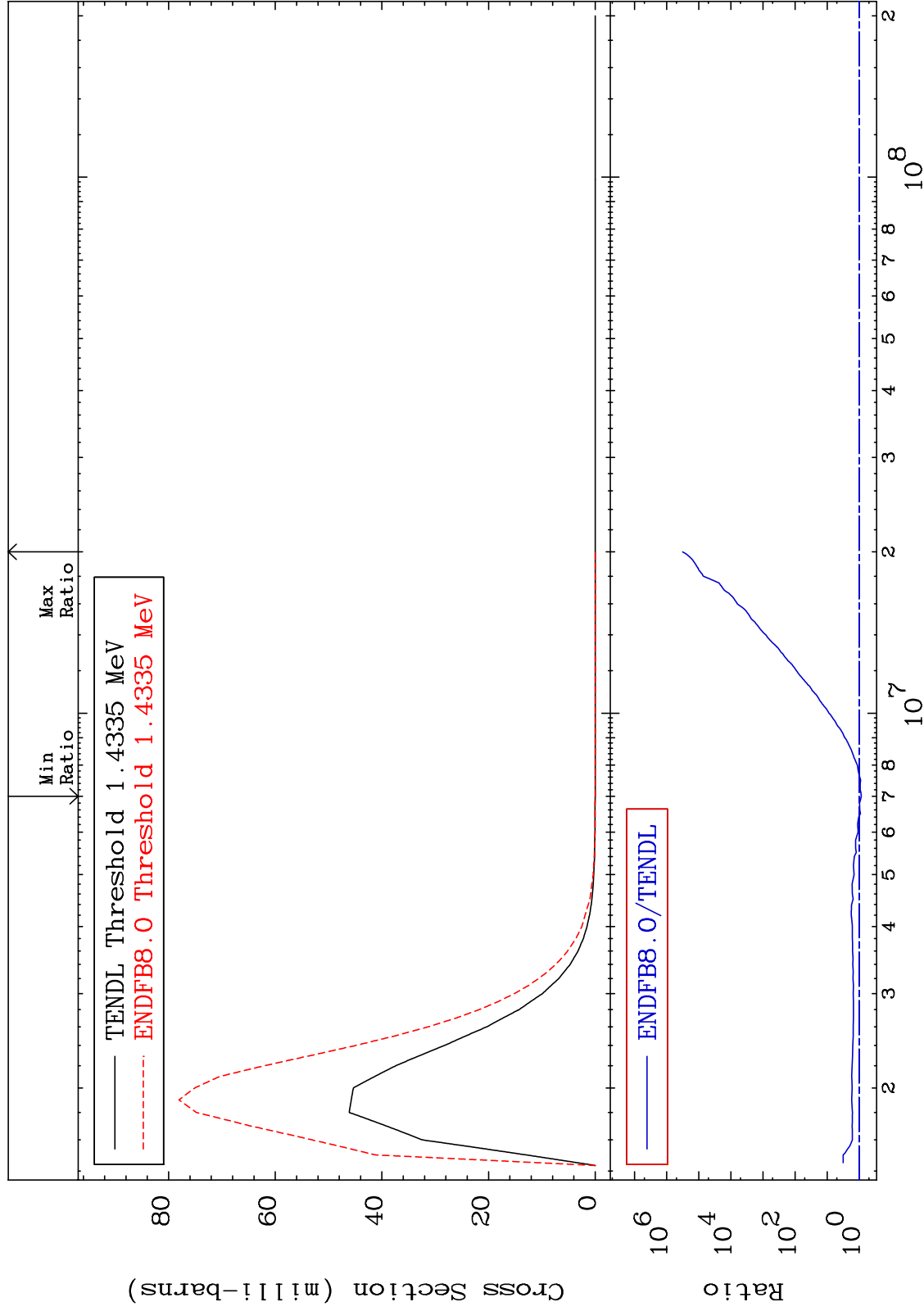
MAT 7225 MT= 65 (n,n') Level Cross Section 72-Hf-174 -99.90 To 35.80 %



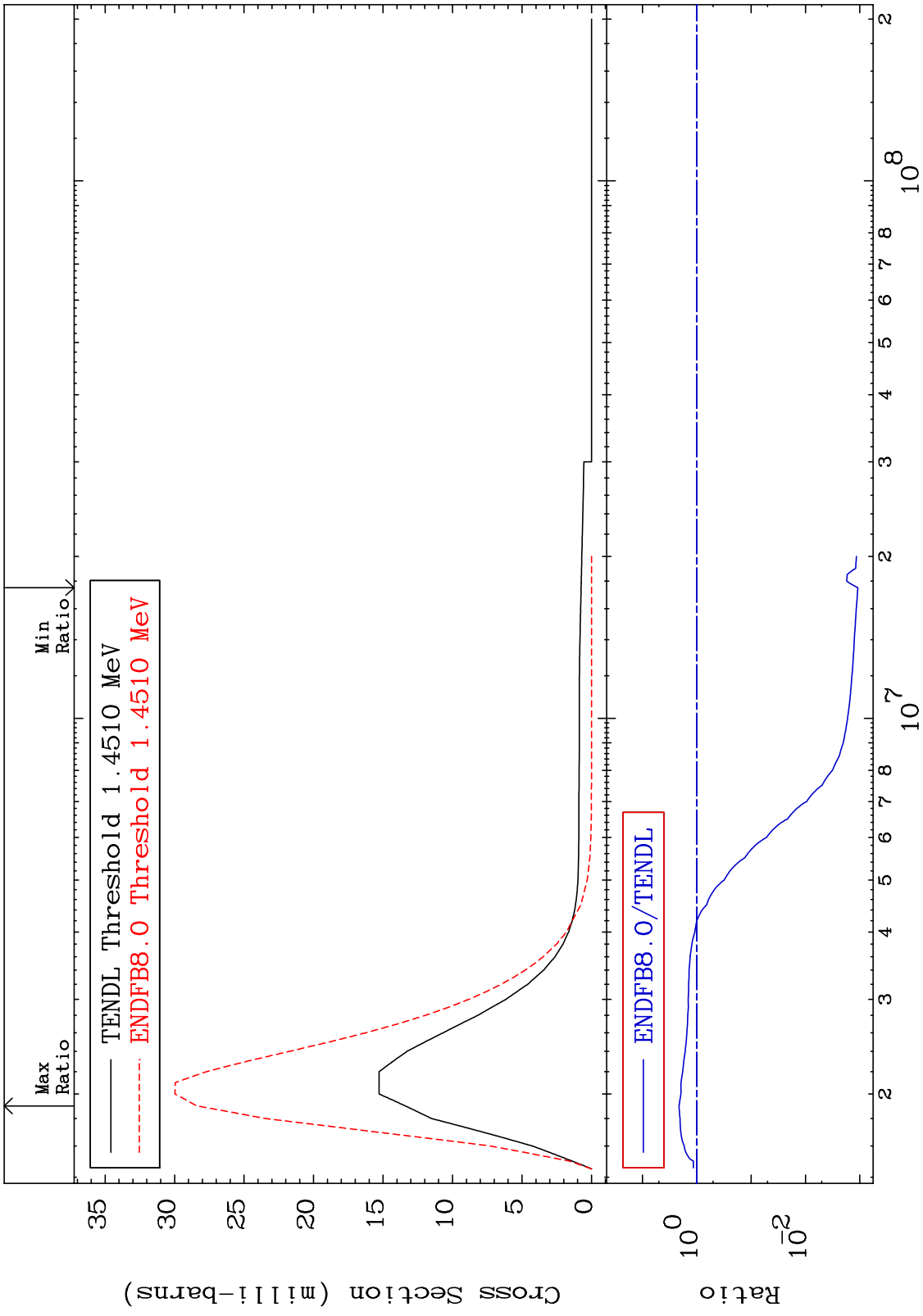
MAT 7225

MT= 66 (n,n') Level
Cross Section

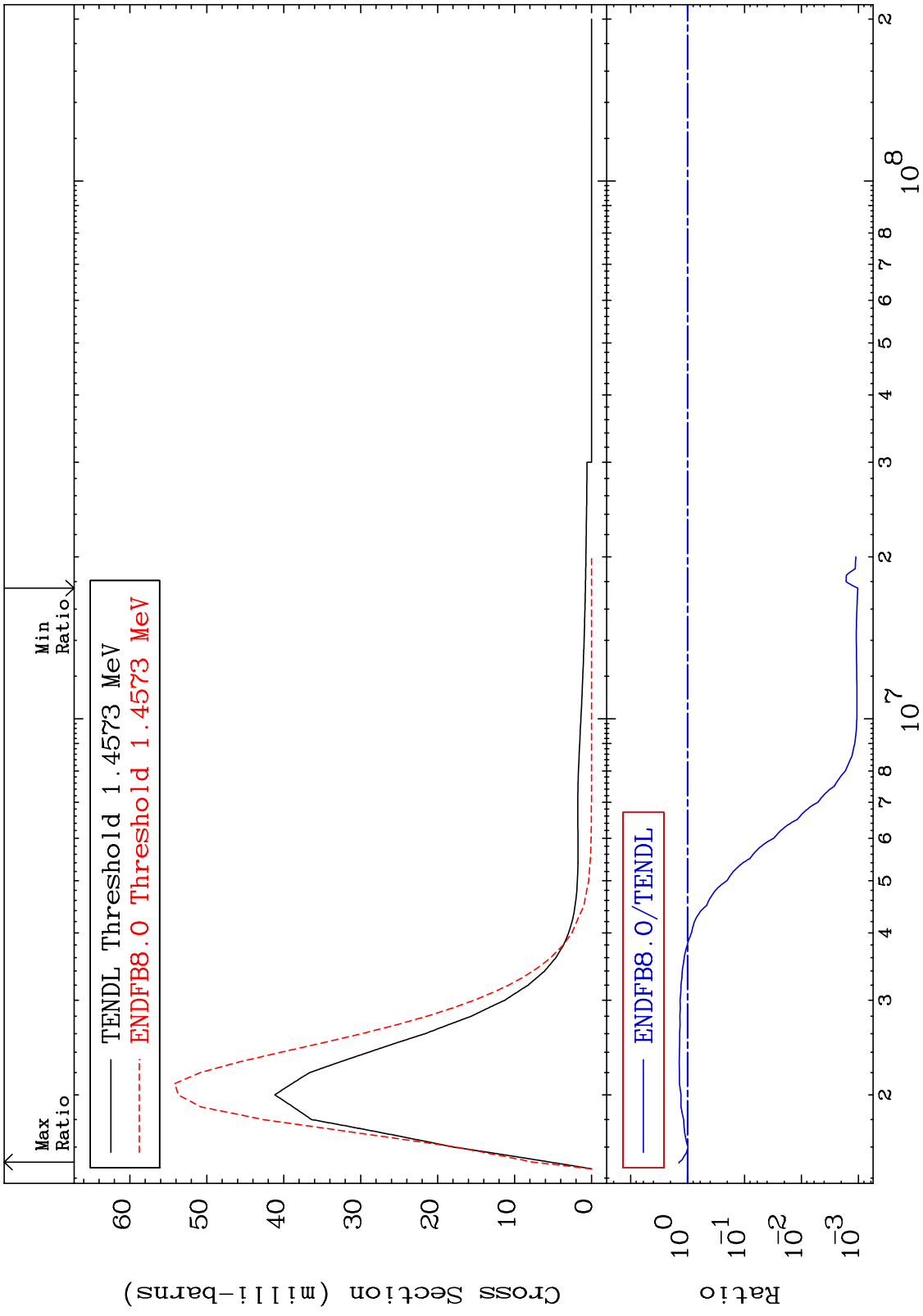
72-Hf-174
-14.30 To 9999. %



MAT 7225 MT= 67 (n,n') Level Cross Section 72-Hf-174 -99.89 To 111.9 %

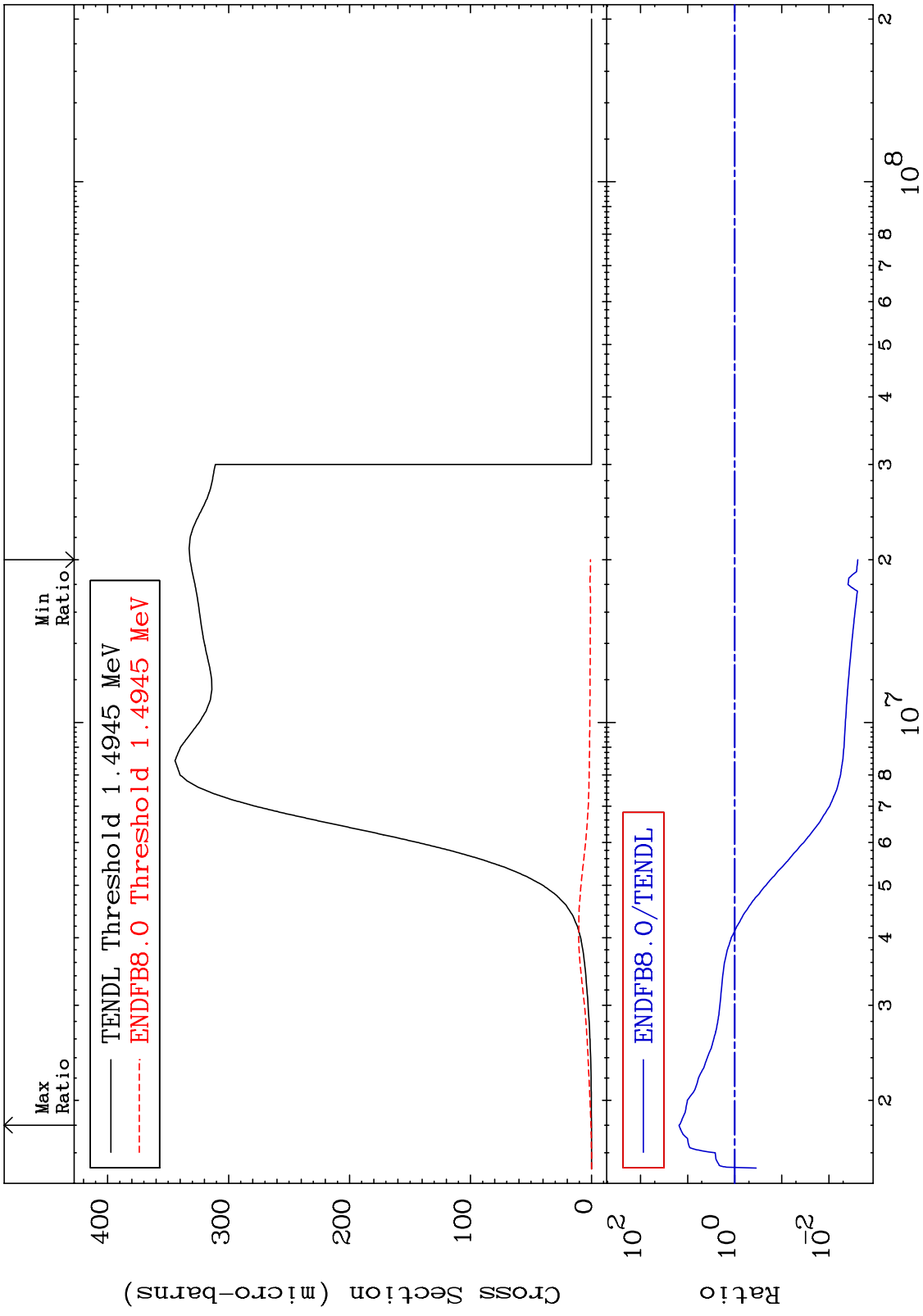


MAT 7225 MT= 68 (n,n') Level Cross Section 72-Hf-174 -99.90 To 41.24 %

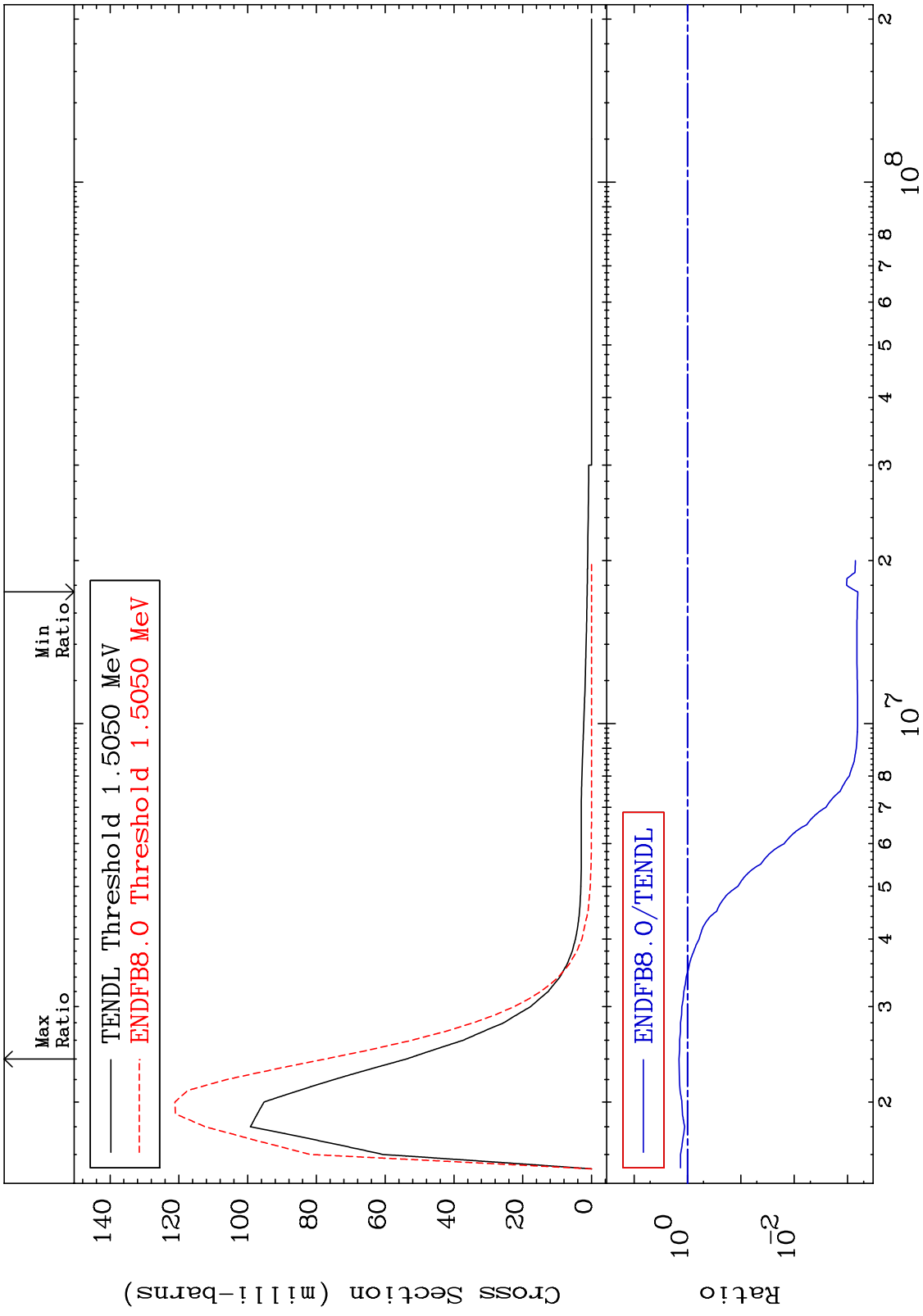


25 72-Hf-174

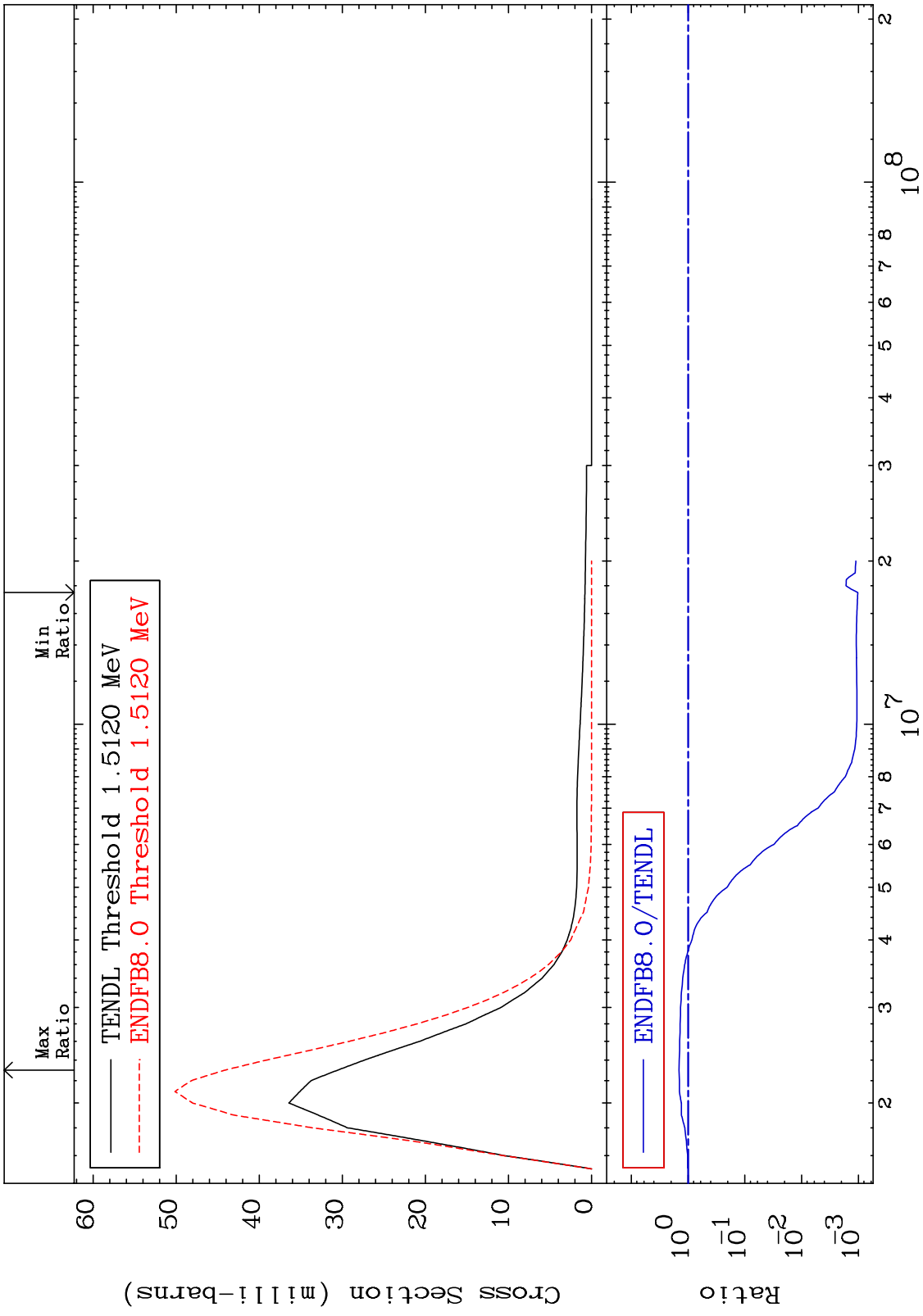
MAT 7225 MT= 69 (n, n') Level Cross Section 72-Hf-174 -99.76 To 1421. %



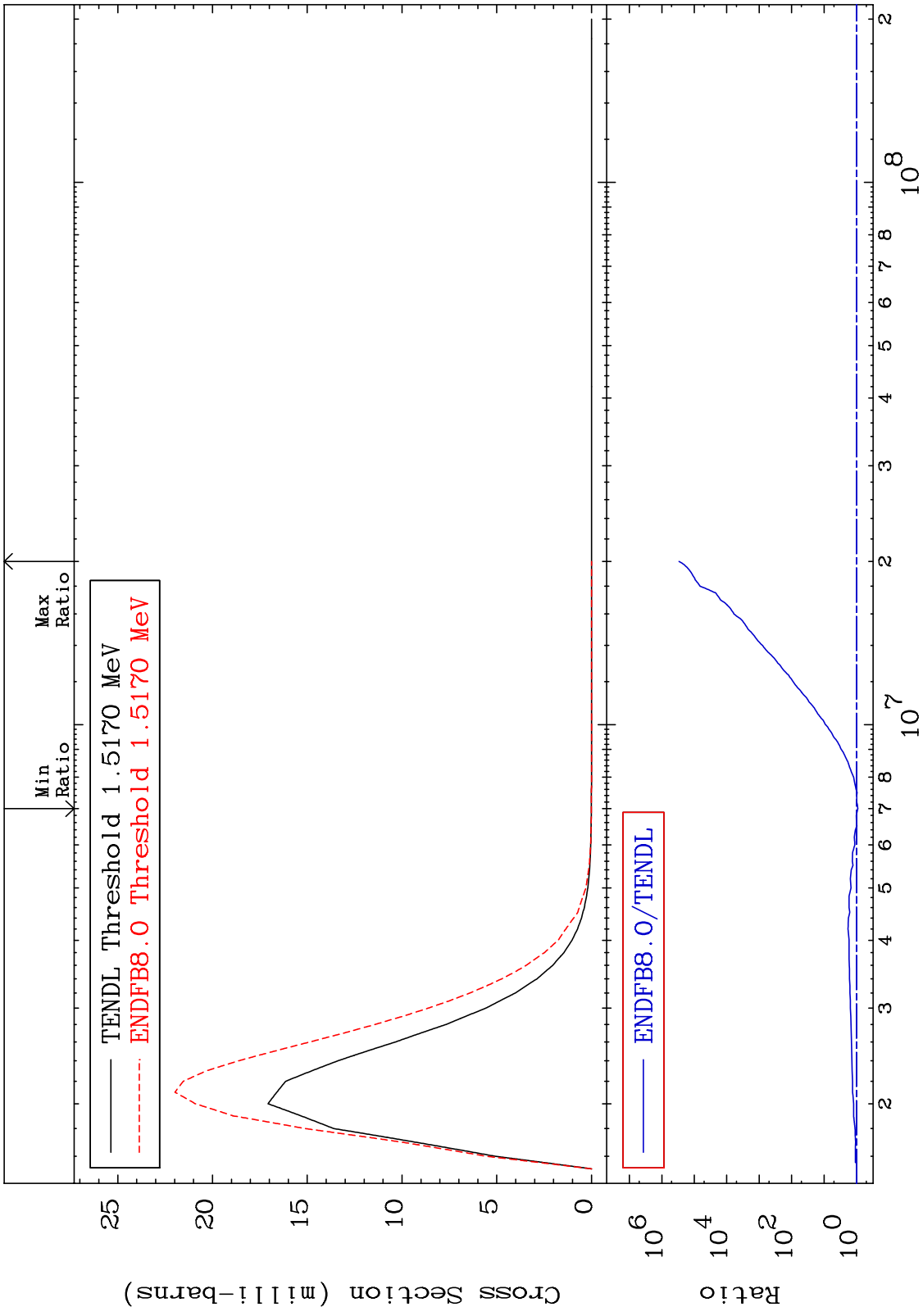
MAT 7225 MT= 70 (n,n') Level Cross Section 72-Hf-174
 -99.94 To 43.75 %



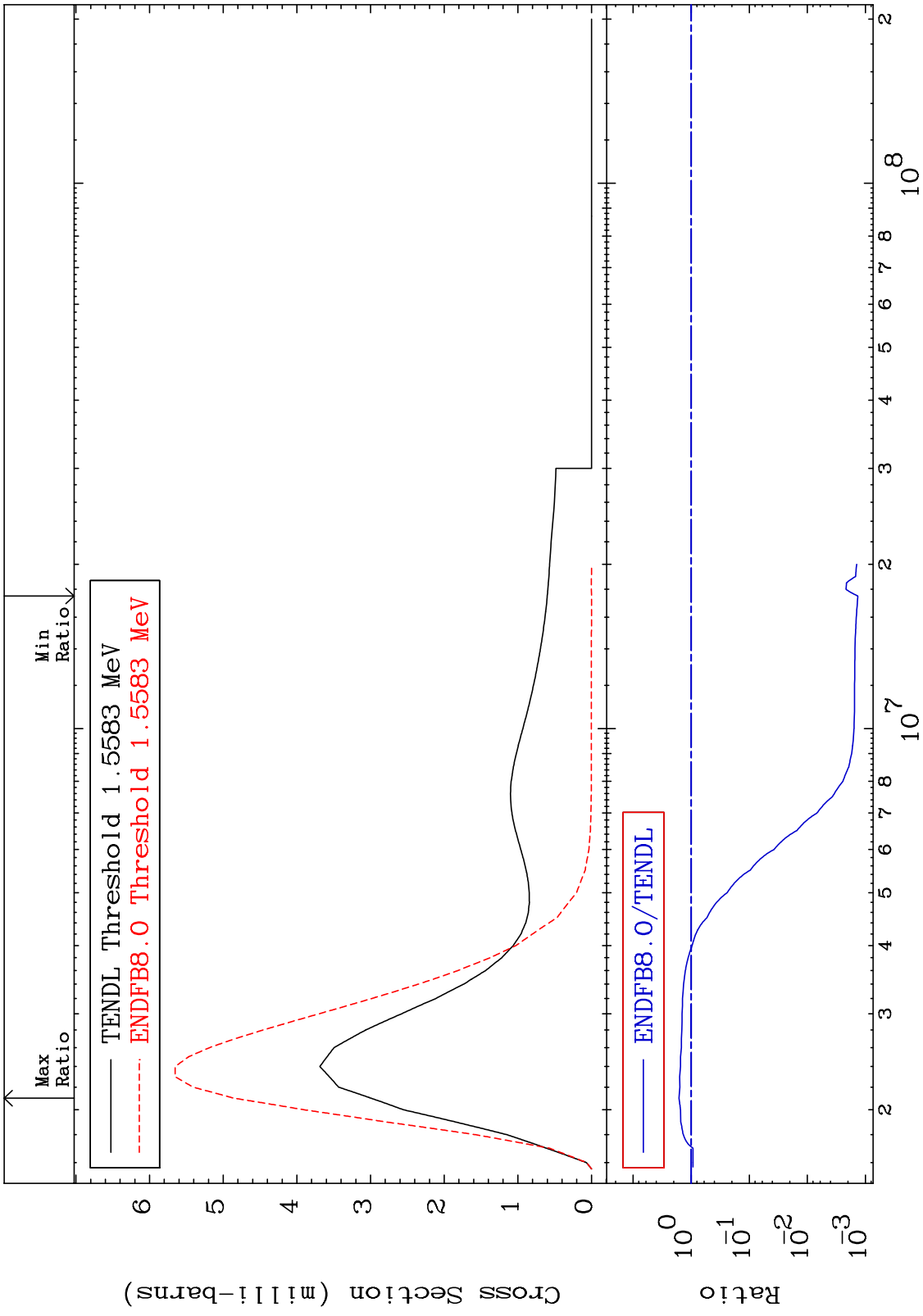
MAT 7225 MT= 71 (n,n') Level Cross Section 72-Hf-174 -99.90 To 44.45 %



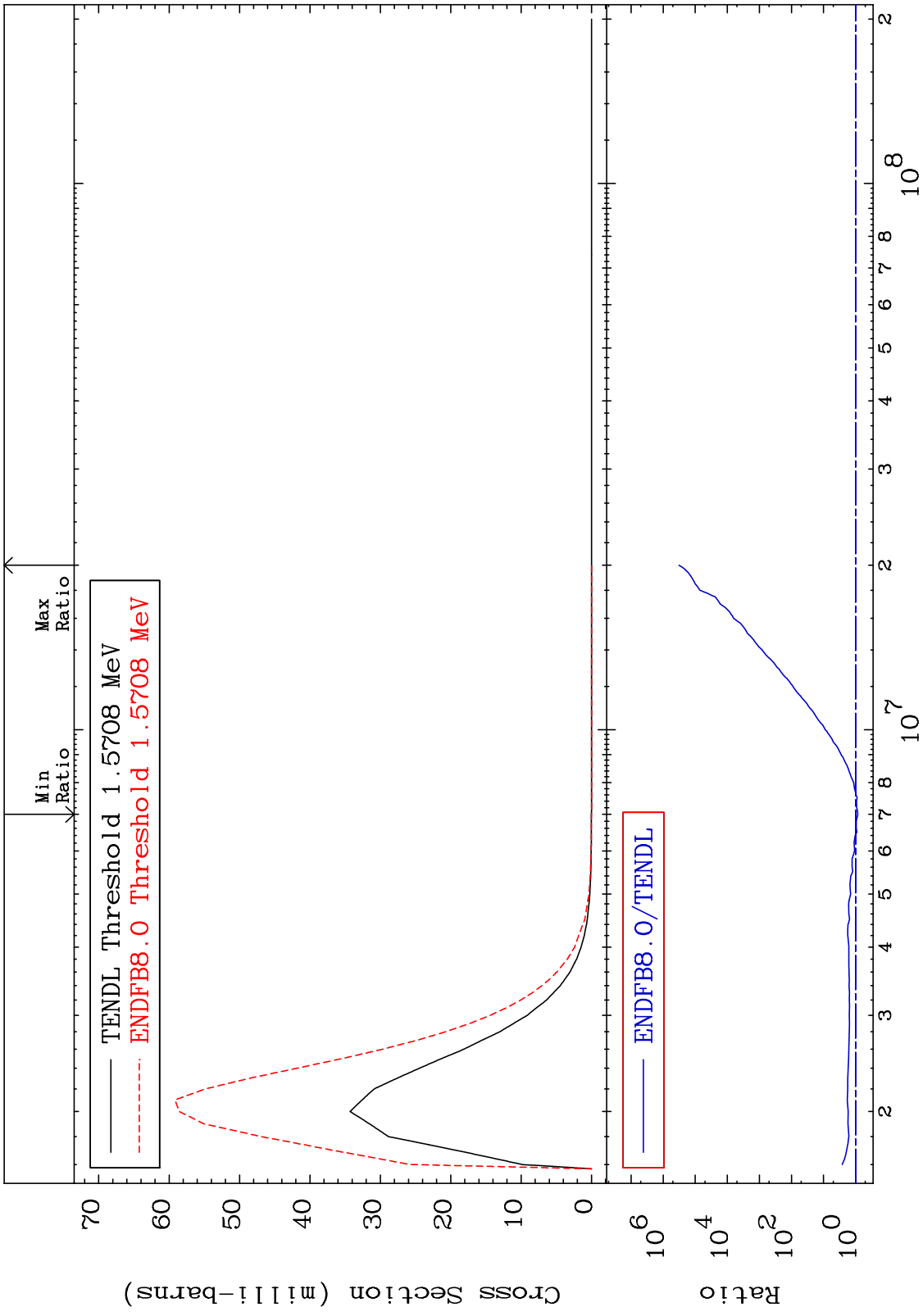
MAT 7225 MT= 72 (n,n') Level Cross Section 72-Hf-174 -8.812 To 9999. %



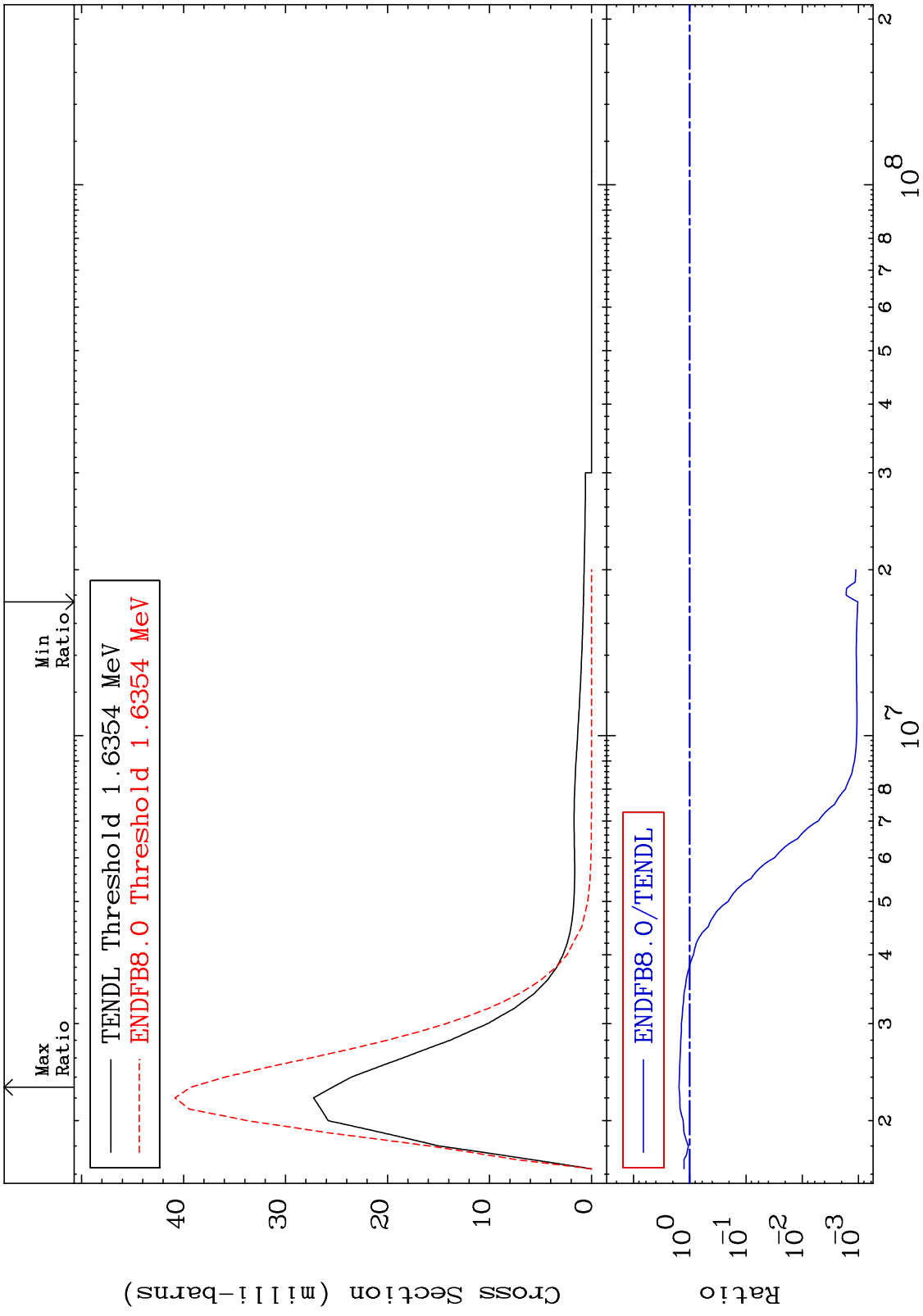
MAT 7225 MT= 73 (n,n') Level Cross Section 72-Hf-174 -99.86 To 62.15 %



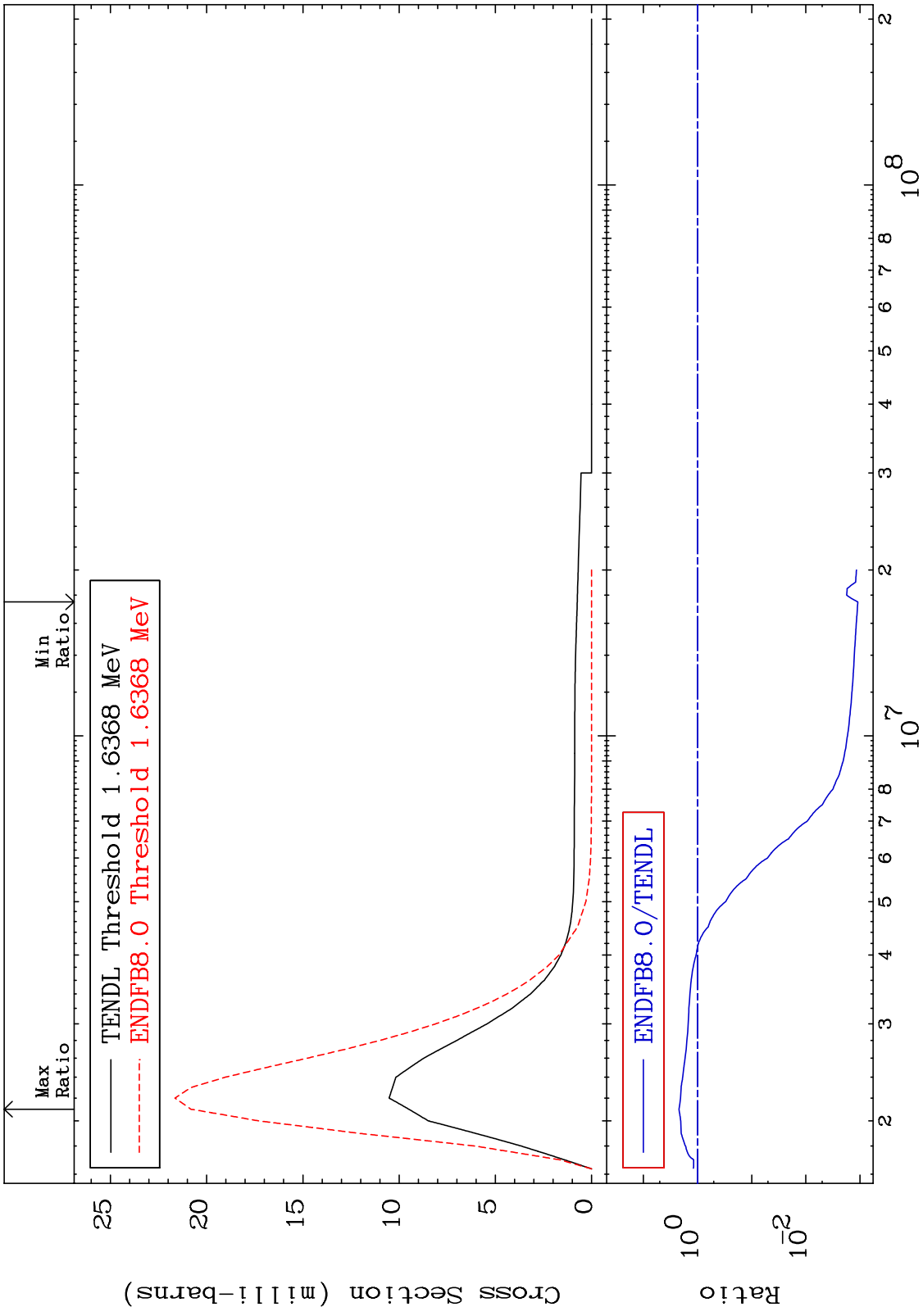
MAT 7225 MT= 74 (n,n') Level Cross Section 72-Hf-174
 -14.65 To 9999. %



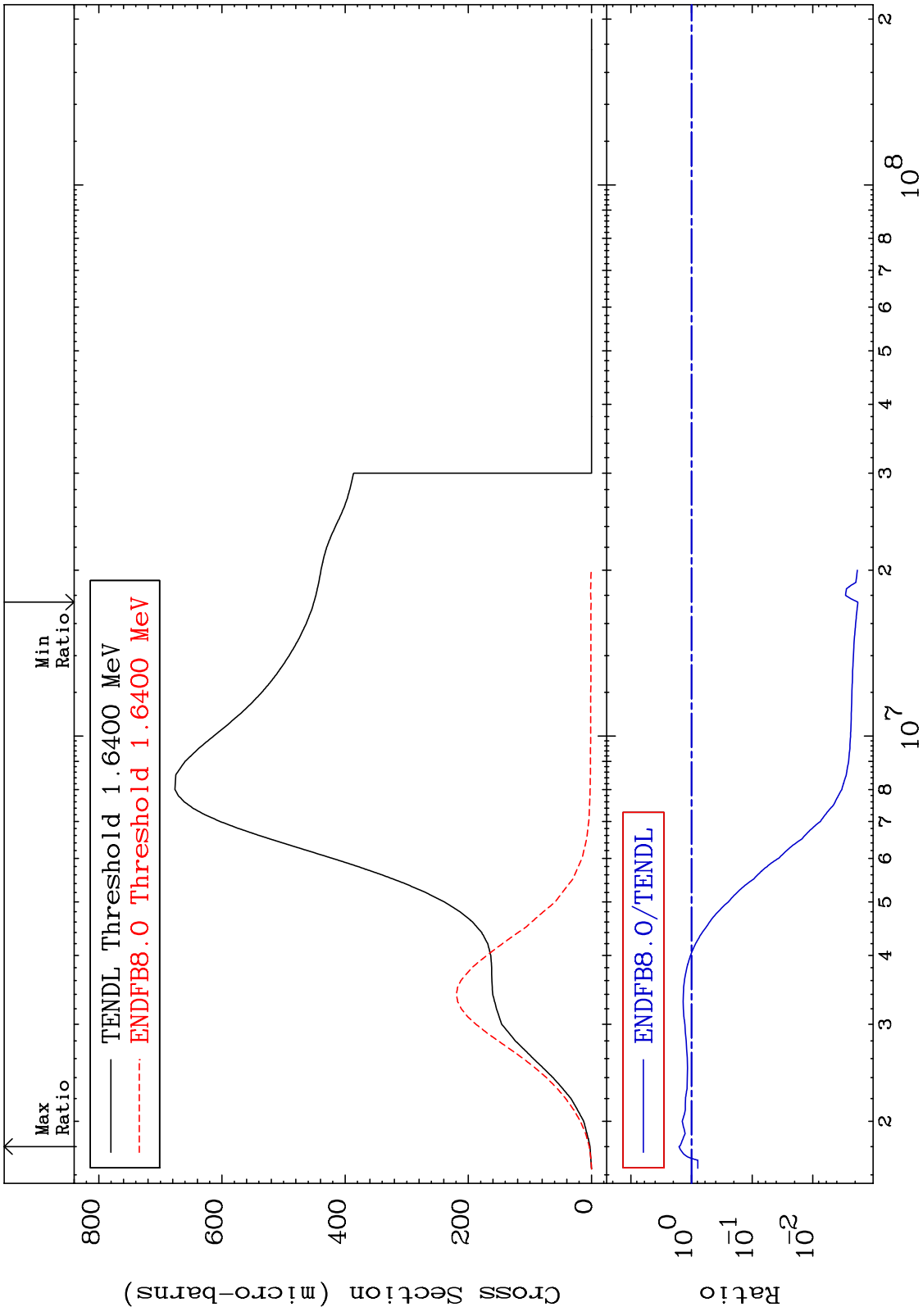
MAT 7225 MT= 75 (n,n') Level Cross Section 72-Hf-174
 -99.90 To 54.69 %



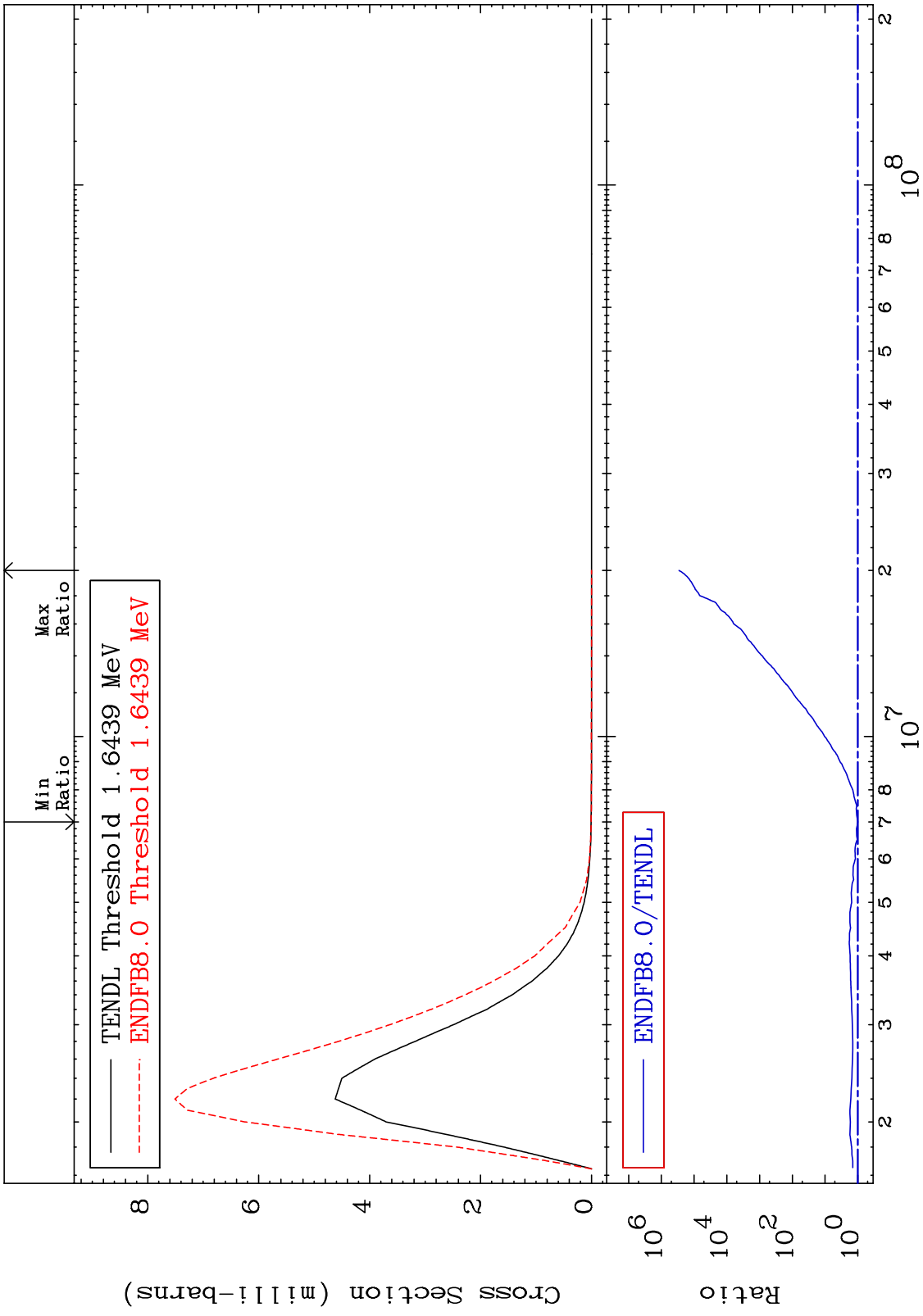
MAT 7225 MT= 76 (n,n') Level Cross Section 72-Hf-174 -99.89 To 119.2 %



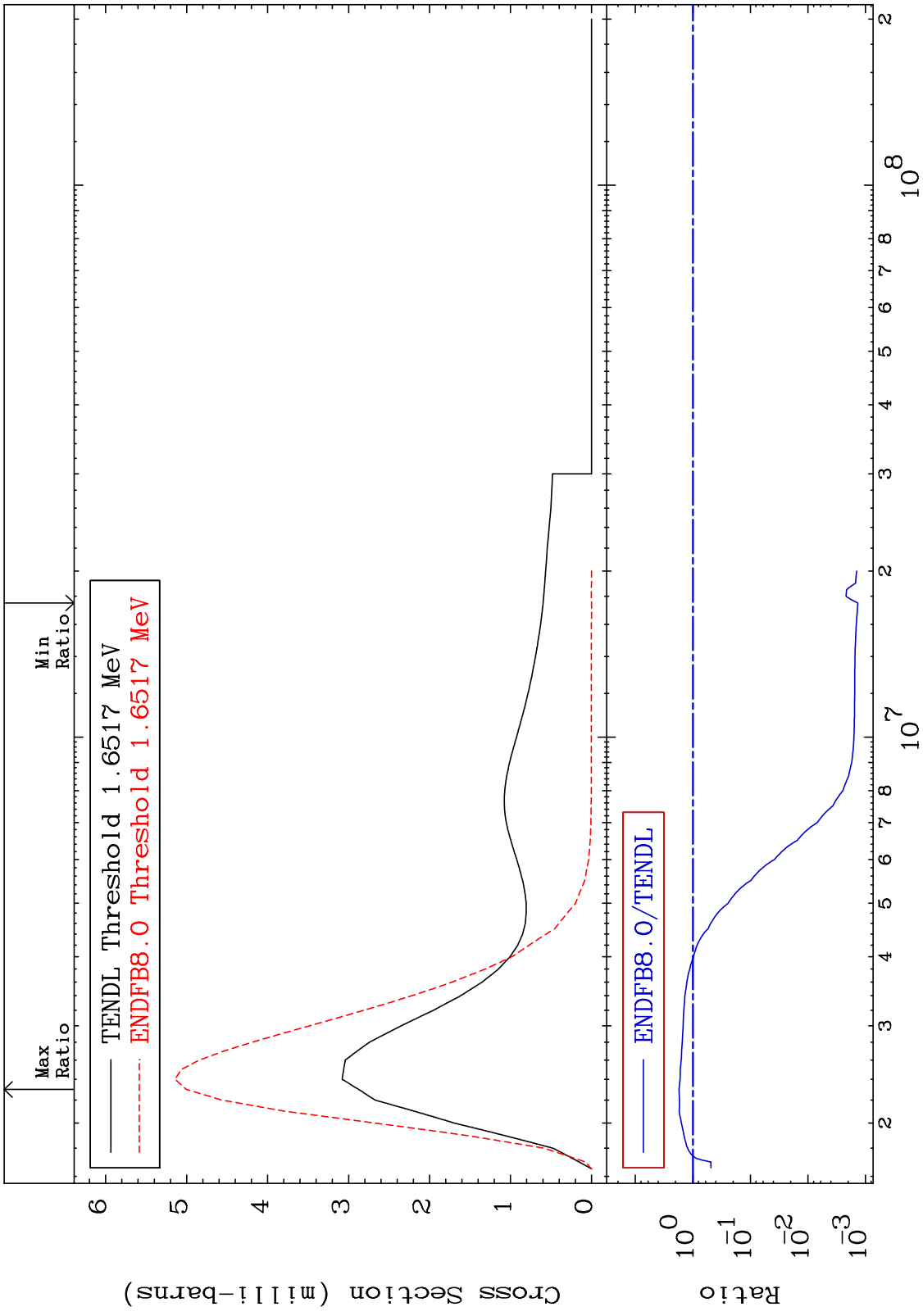
MAT 7225 MT= 77 (n,n') Level Cross Section 72-Hf-174 -99.82 To 60.78 %



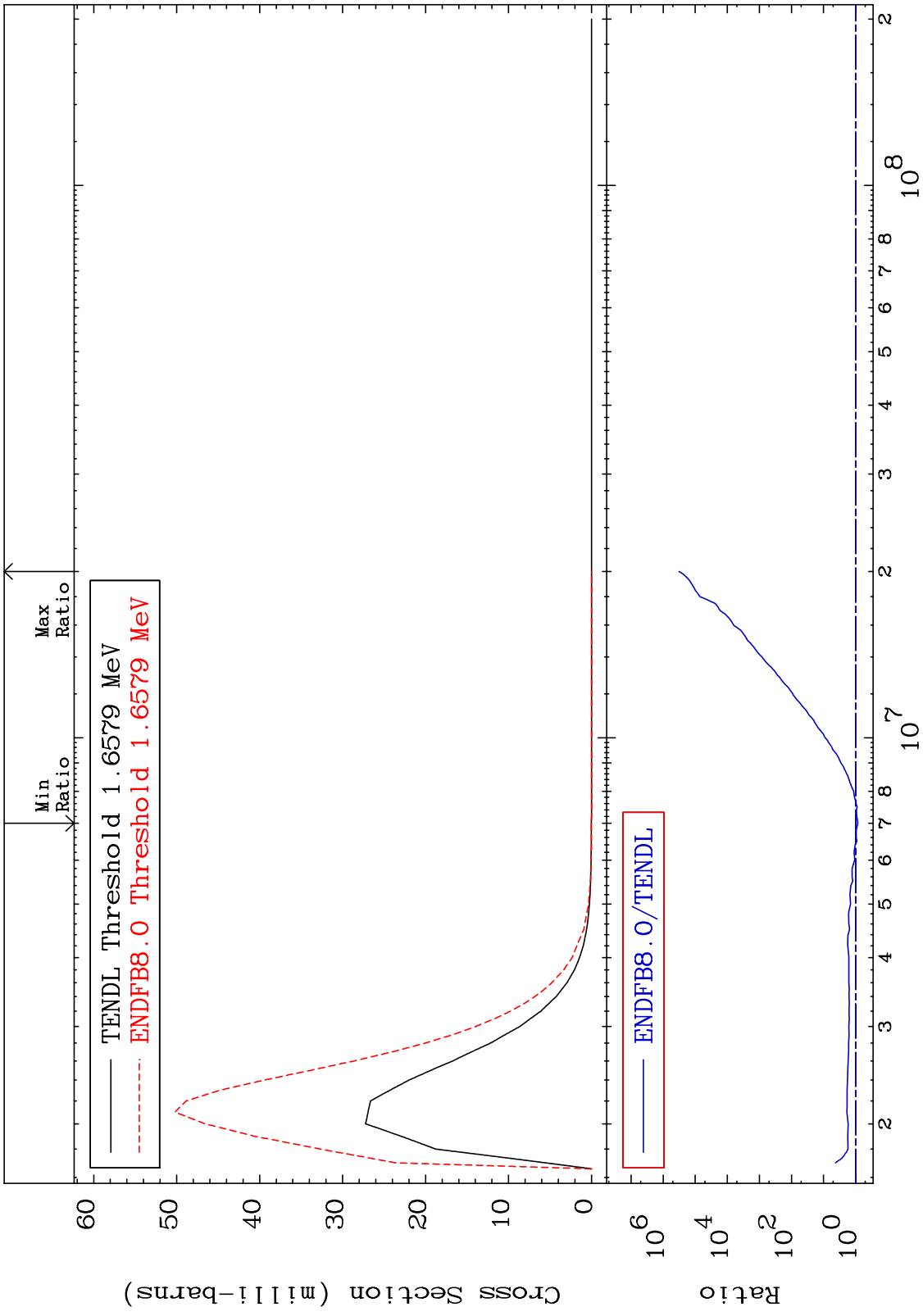
MAT 7225 MT= 78 (n,n') Level Cross Section 72-Hf-174
 -0.199 To 9999. %

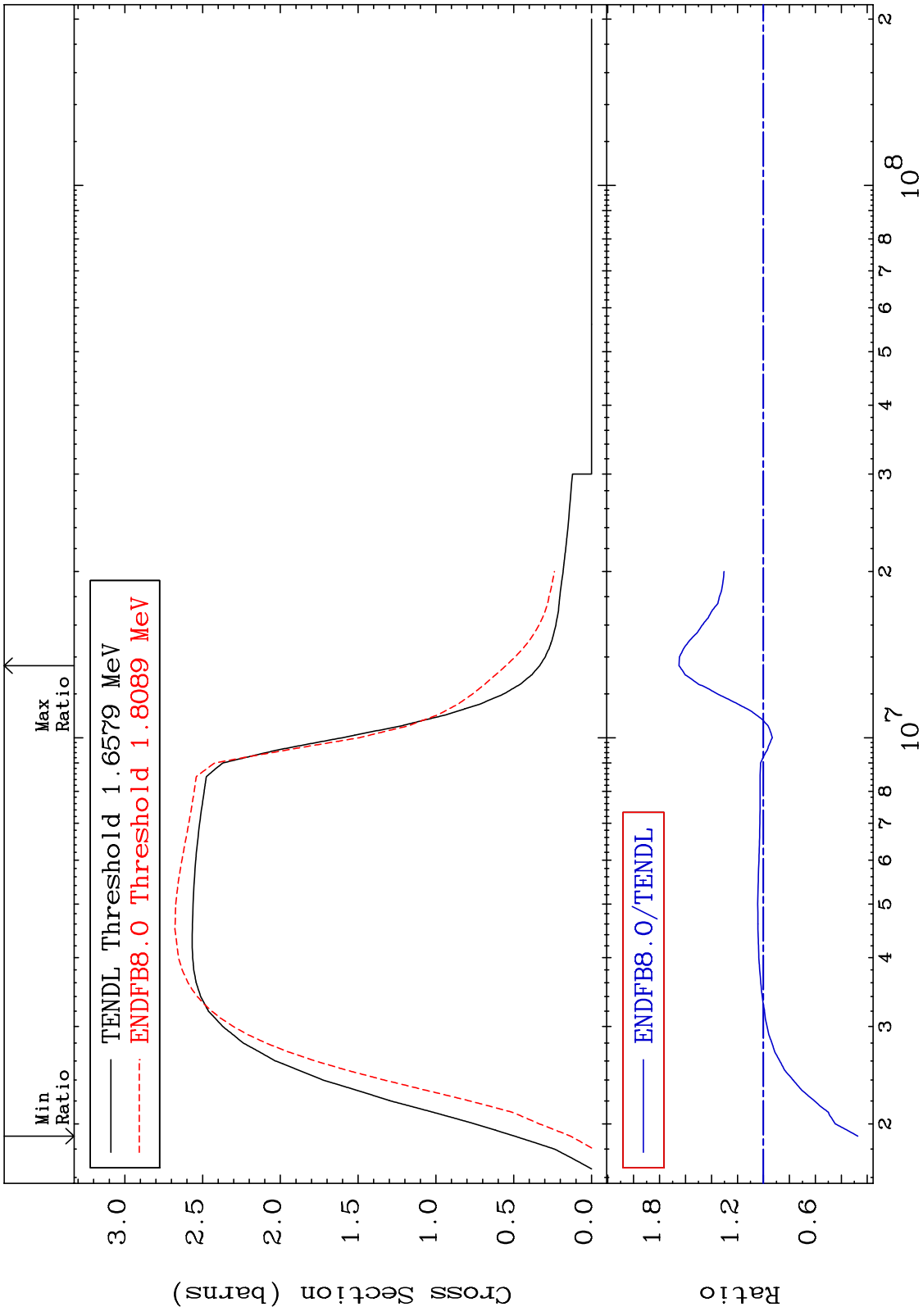


MAT 7225 MT= 79 (n,n') Level Cross Section 72-Hf-174 -99.86 To 73.95 %



MAT 7225 MT= 80 (n,n') Level Cross Section 72-Hf-174
 -14.87 To 9999. %





MAT 7225

(n, γ)

72-Hf-174

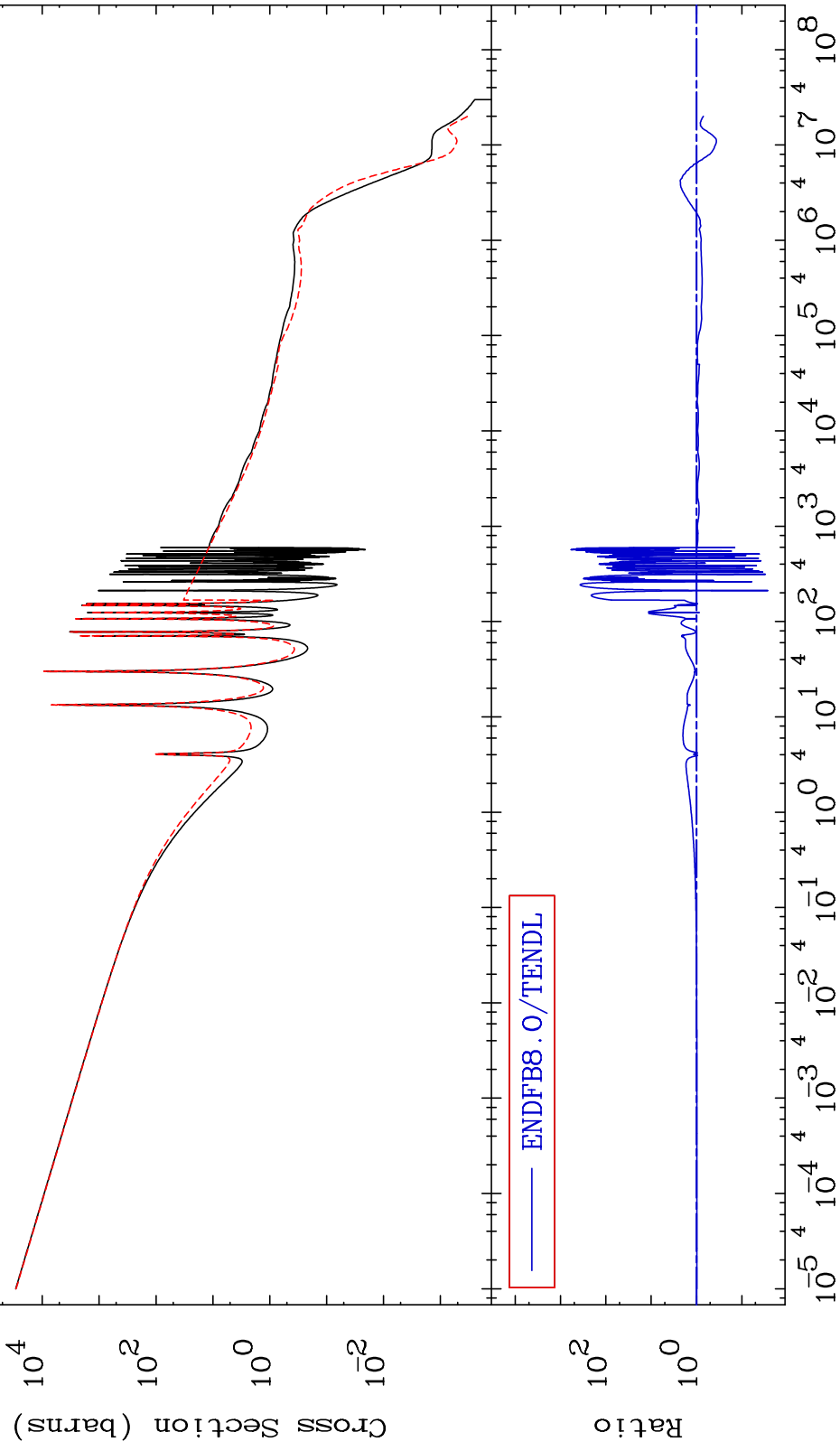
-97.38 To 9999. %

Cross Section

Min Ratio

Max Ratio

TENDL
ENDFB8.0



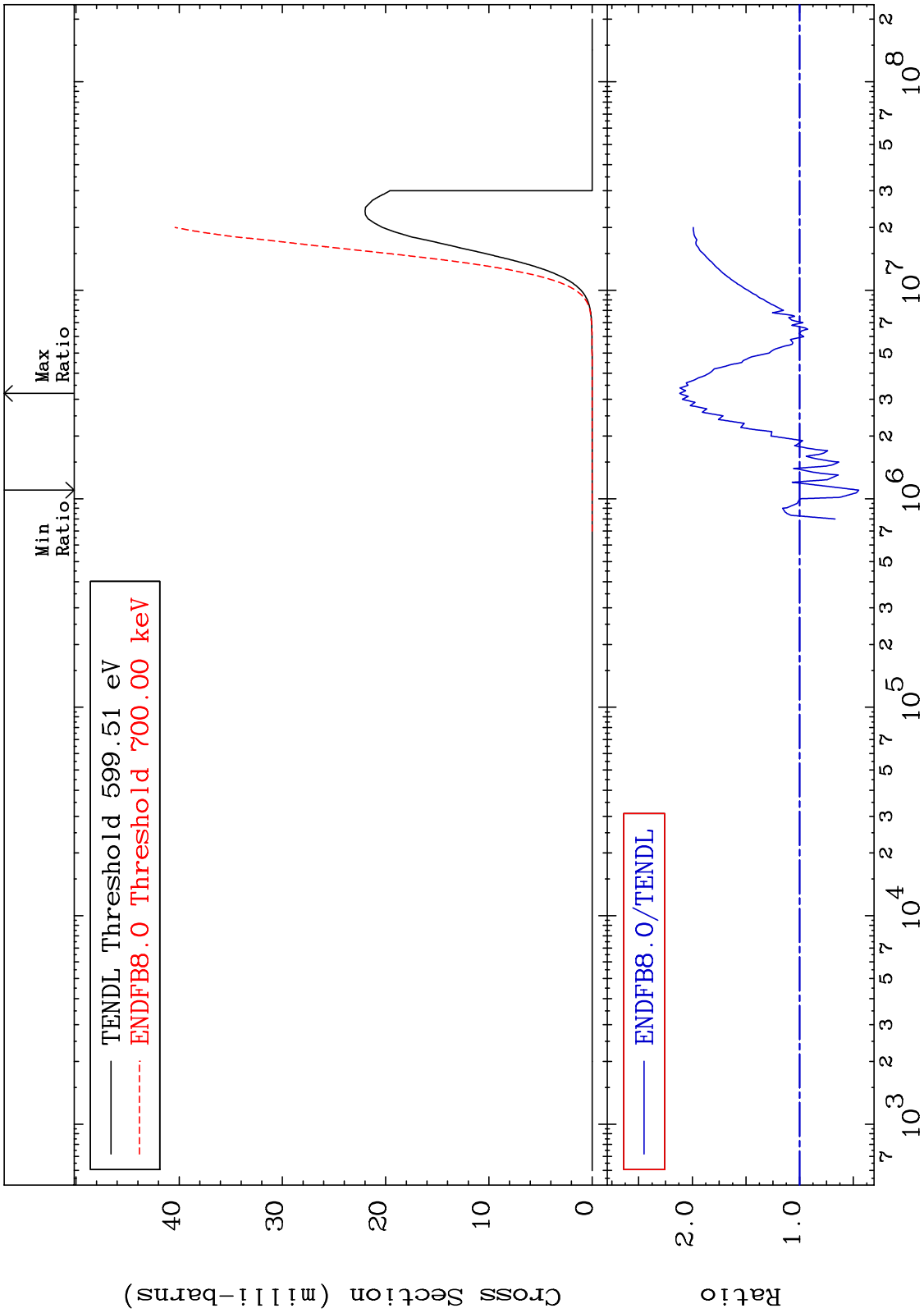
MAT 7225

(n,p)

72-Hf-174

Cross Section

-55.06 To 111.7 %

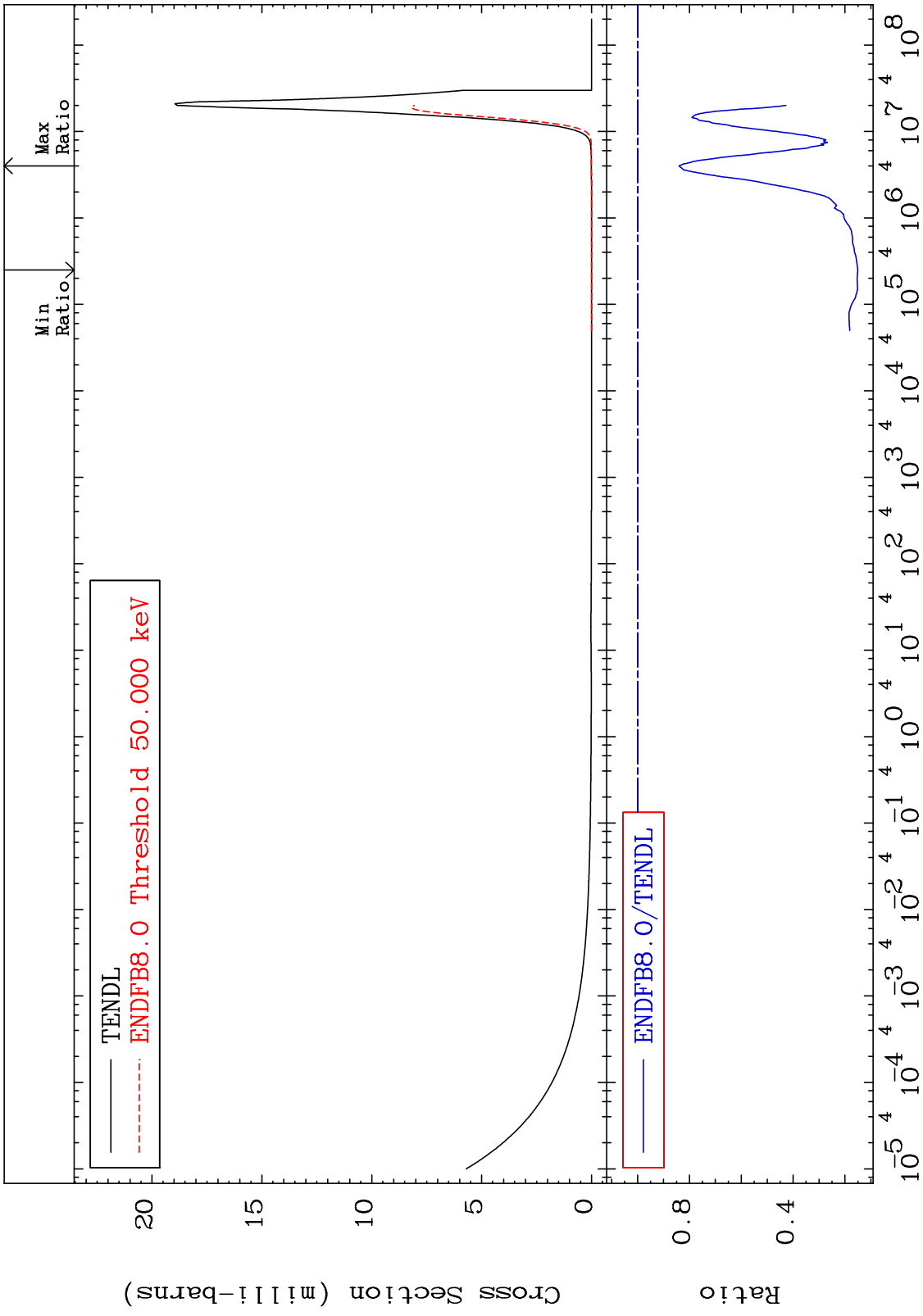


40

Incident Energy (eV)

72-Hf-174

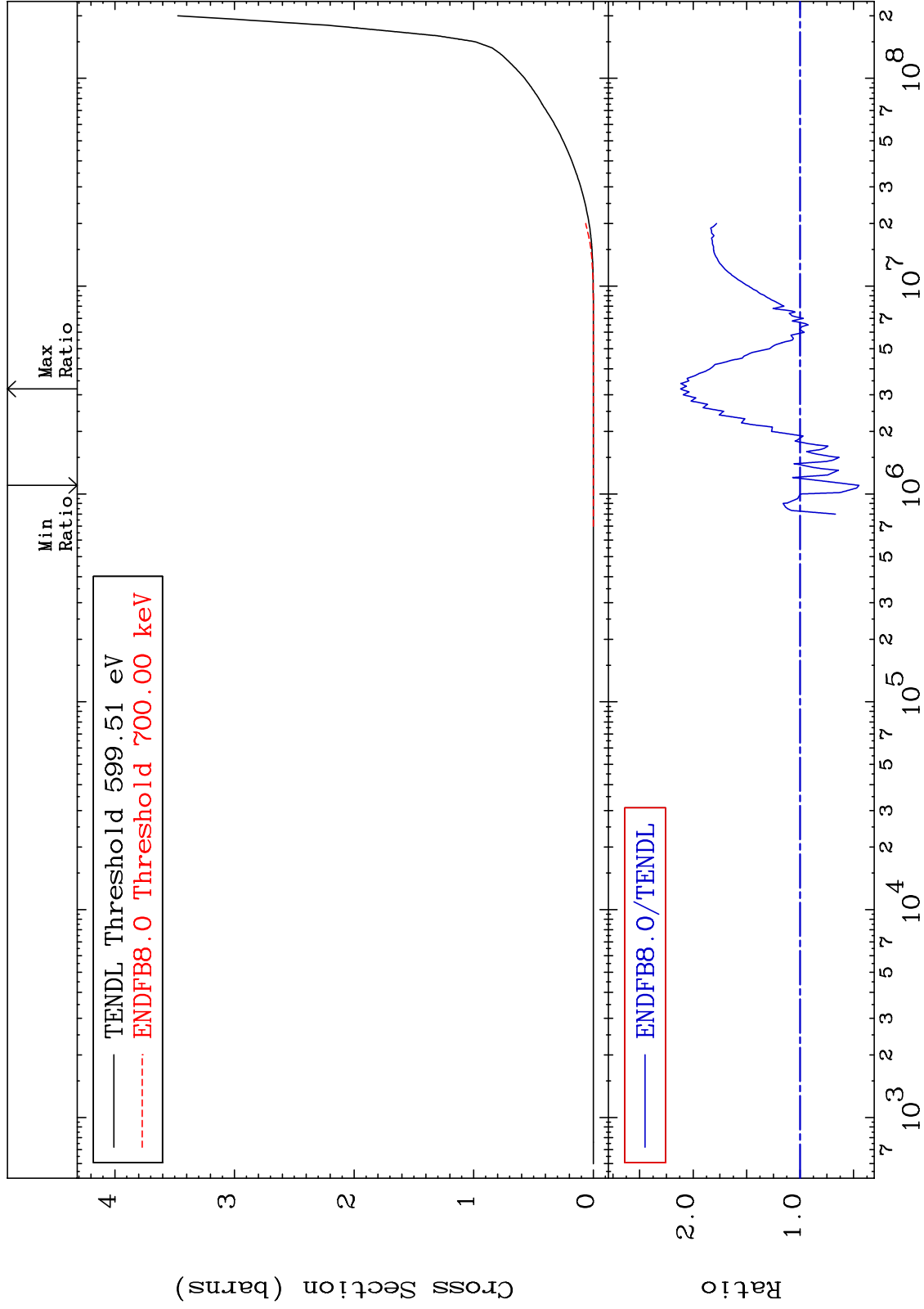
MAT 7225 (n,α) Cross Section 72-Hf-174
 -84.97 To -15.99%



MAT 7225

Hydrogen Production Cross Section

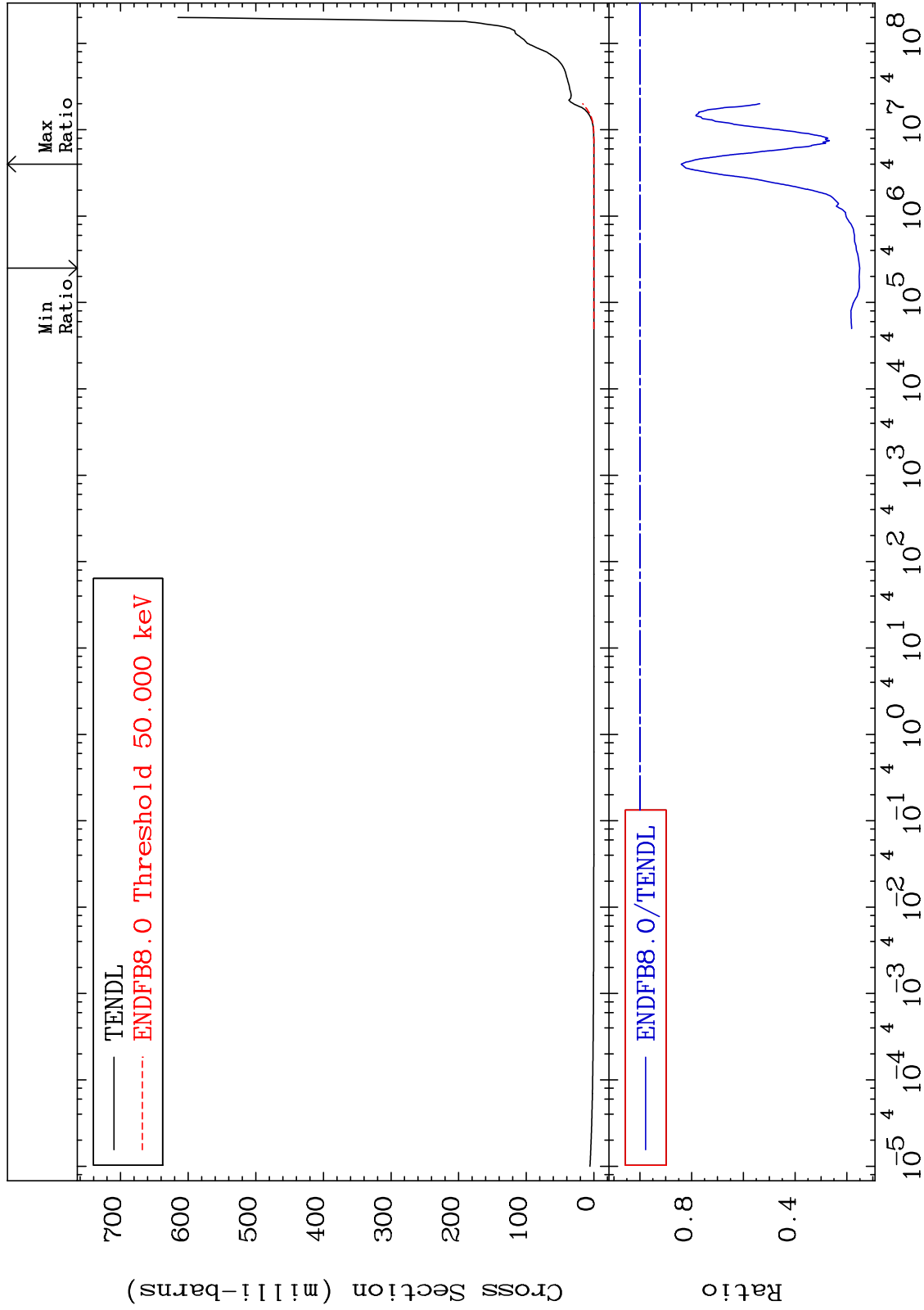
72-Hf-174
-55.06 To 111.7 %



MAT 7225

He-4 Production
Cross Section

72-Hf-174
-84.97 To -15.99%

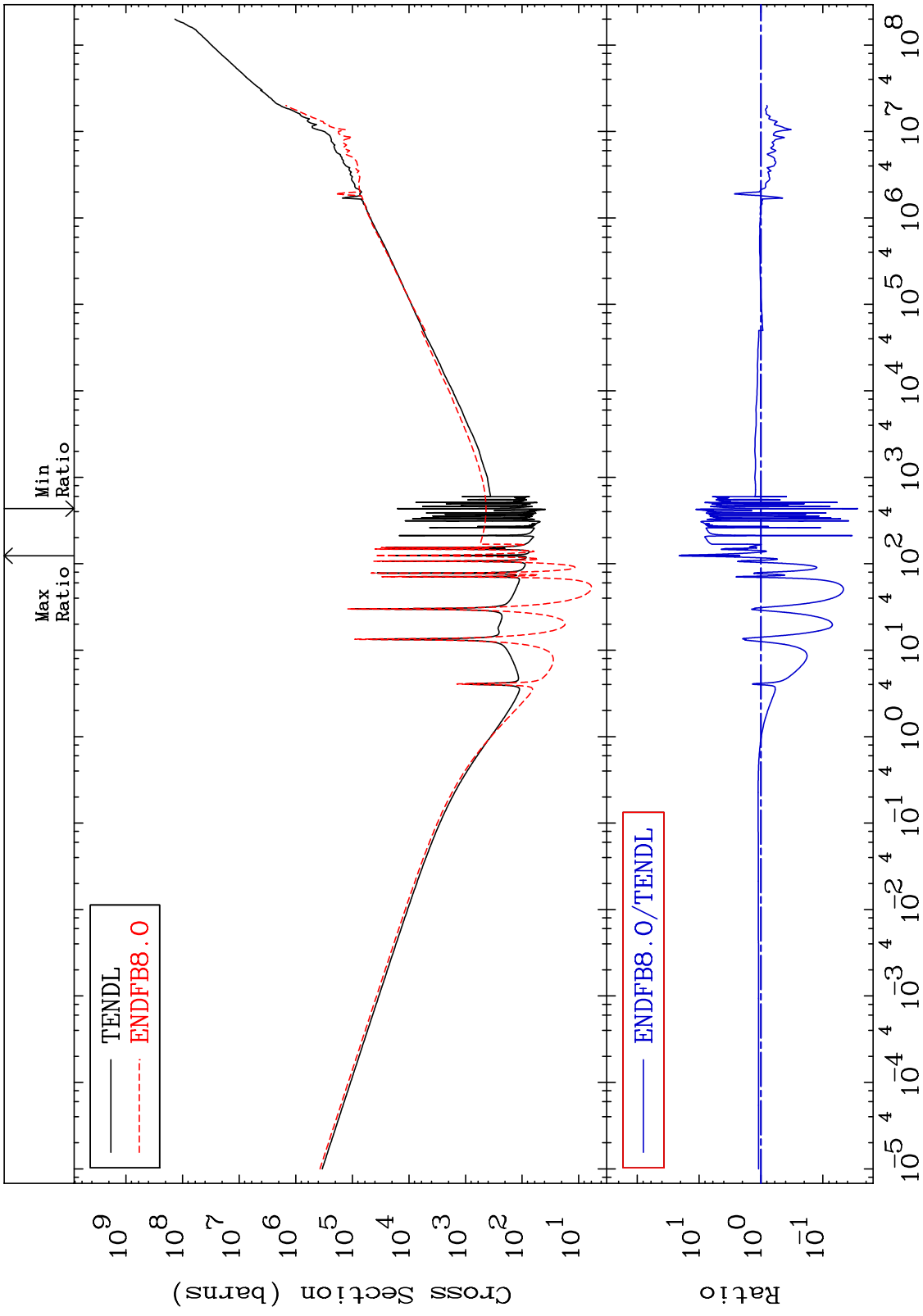


43

Incident Energy (eV)

72-Hf-174

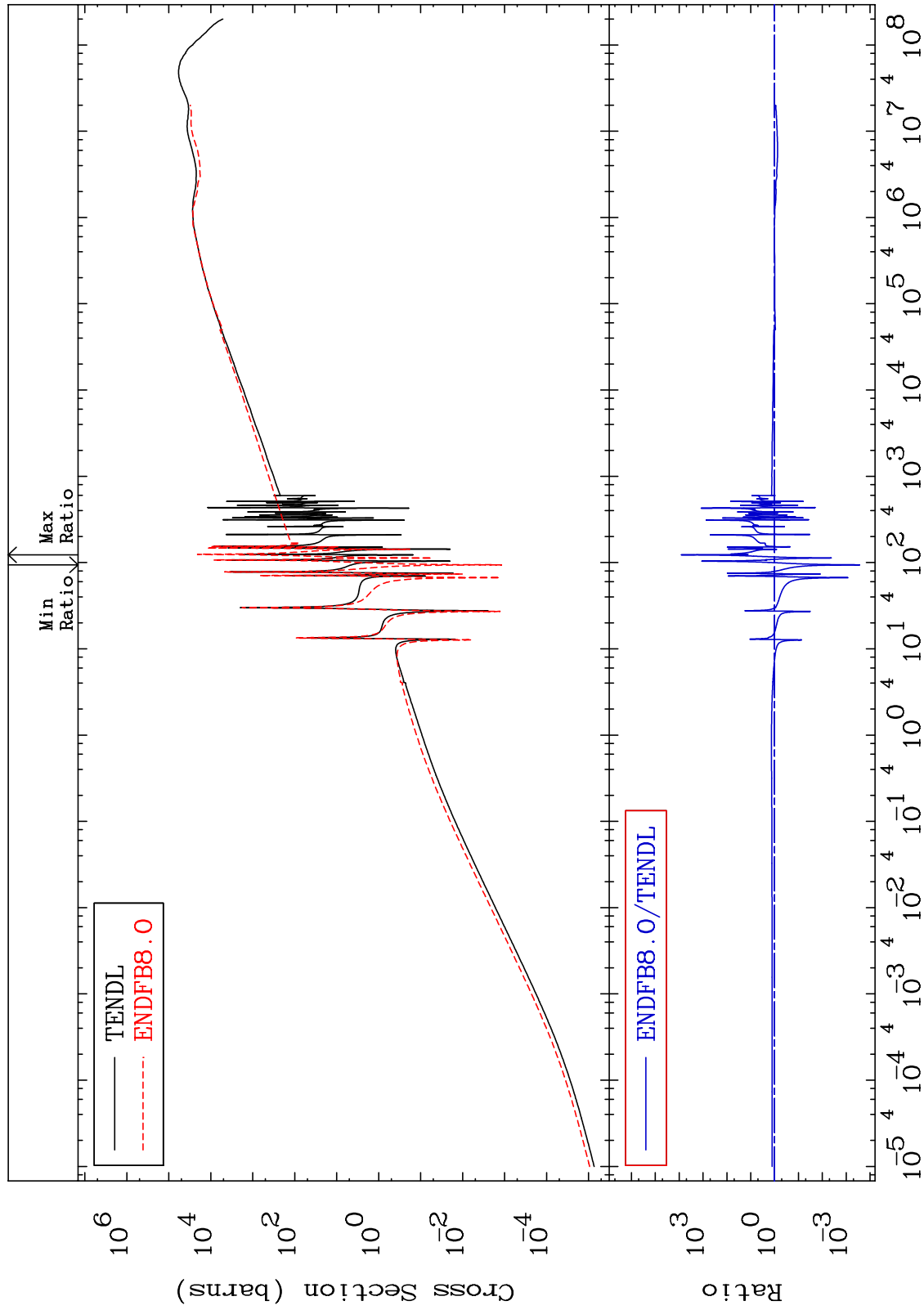
MAT 7225 Kerma total (eV-barns) 72-Hf-174
 Cross Section -97.28 To 2008. %



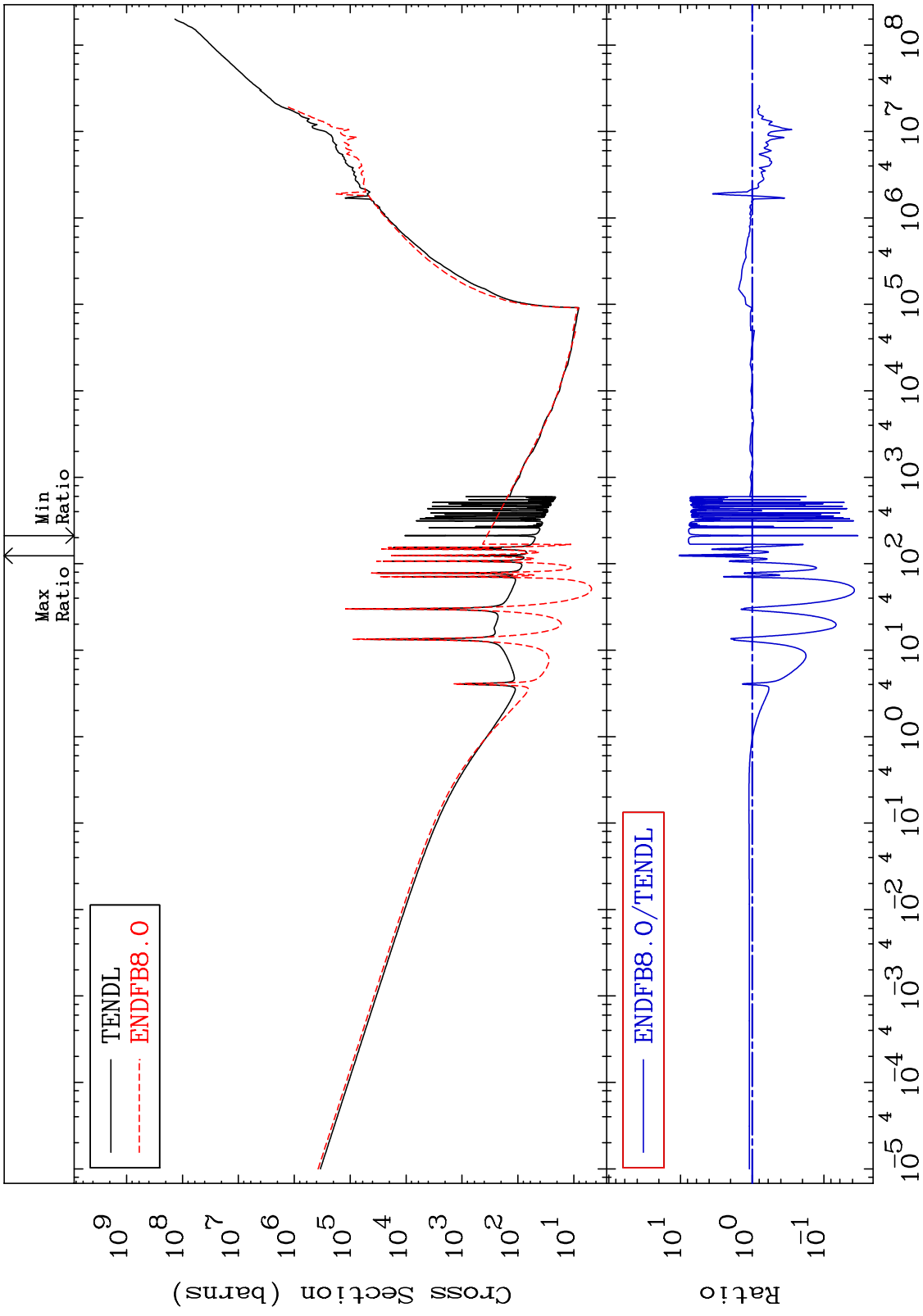
MAT 7225

Kerma elastic
Cross Section

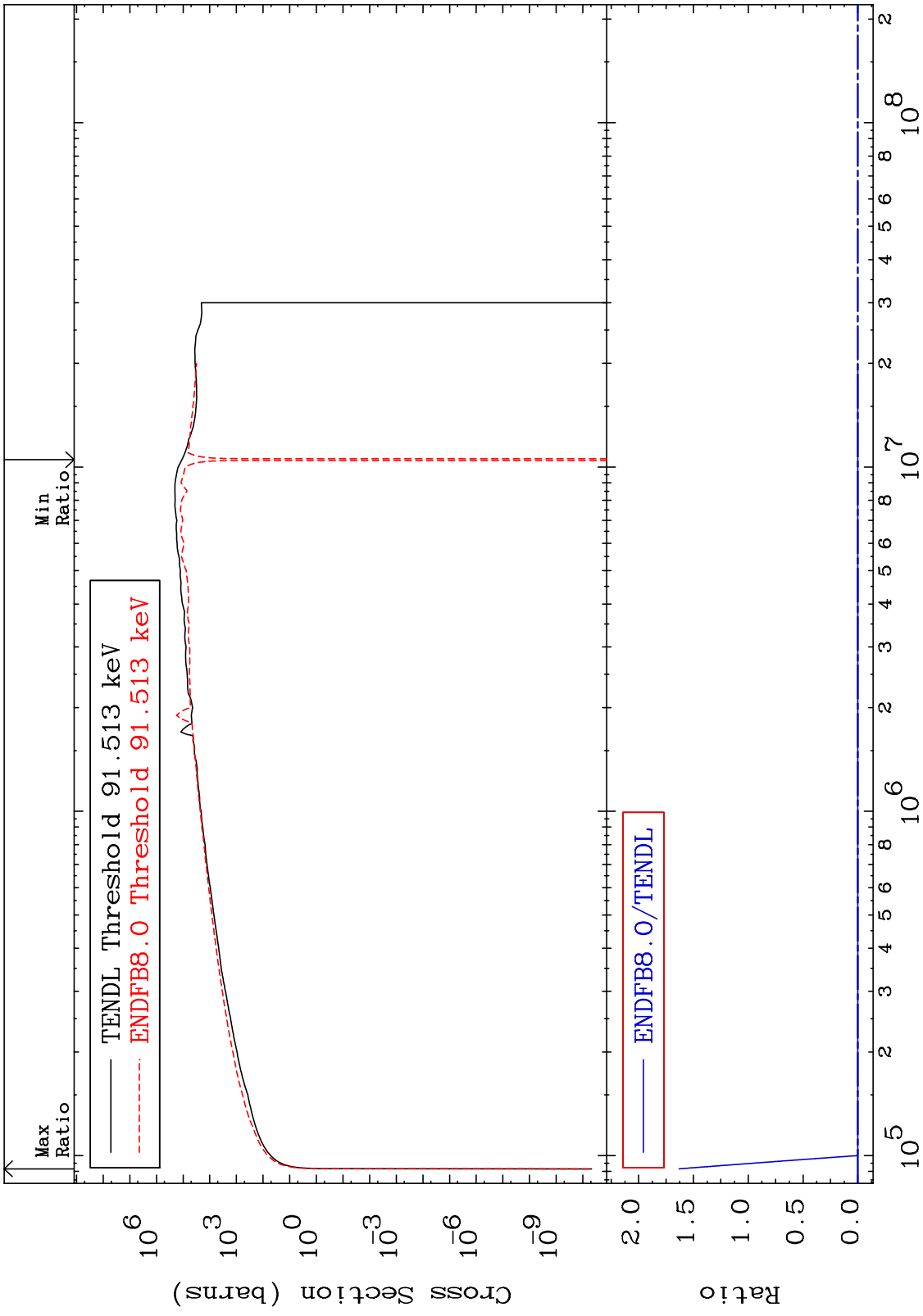
72-Hf-174
-99.97 To 9999. %



MAT 7225 Kerma non-elastic (all but mt2) 72-Hf-174
 -96.63 To 948.6 %
 Cross Section



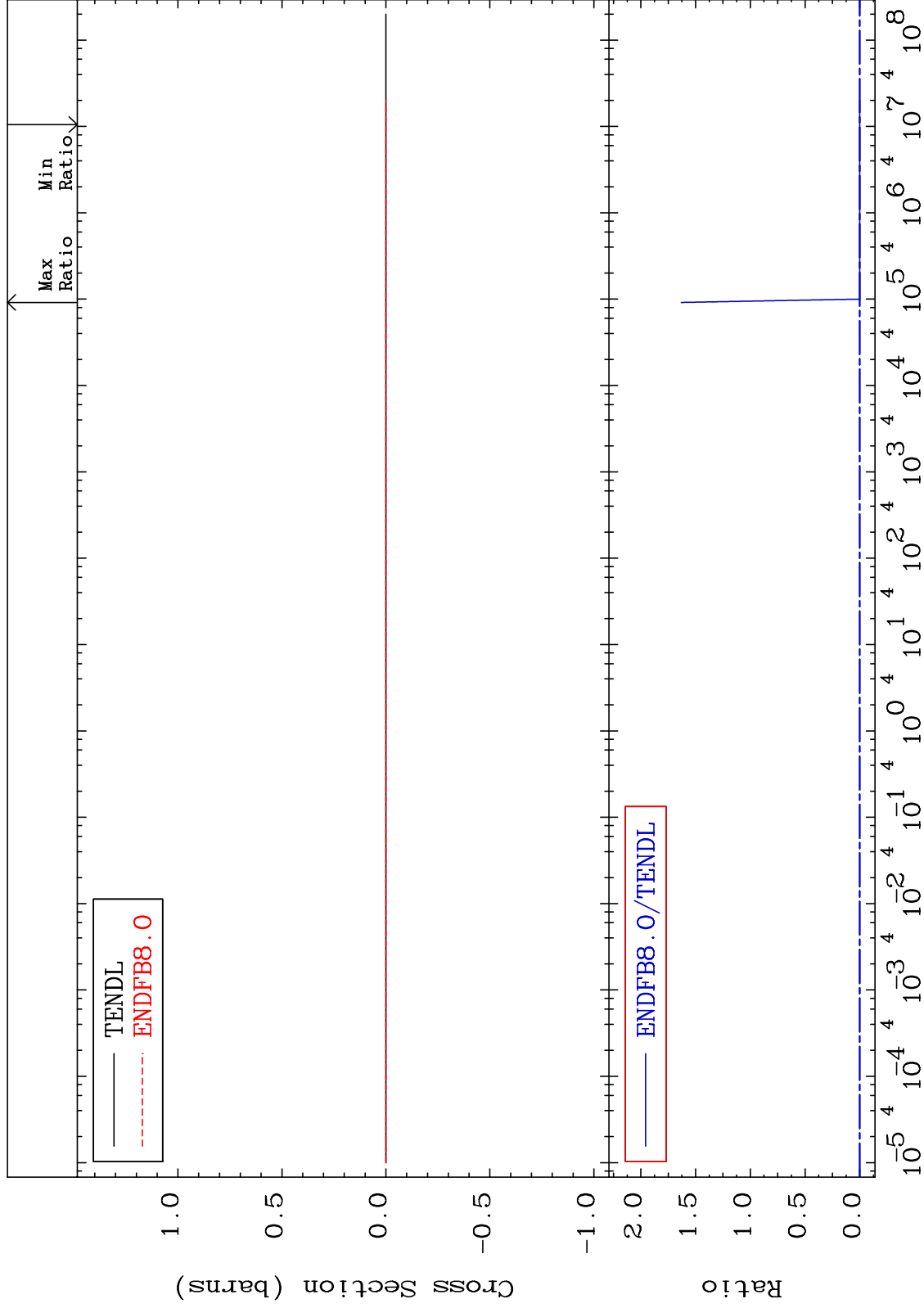
MAT 7225 Kerma inelastic (mt51-91) 72-Hf-174
Cross Section -109.0 To 9999. %



MAT 7225

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

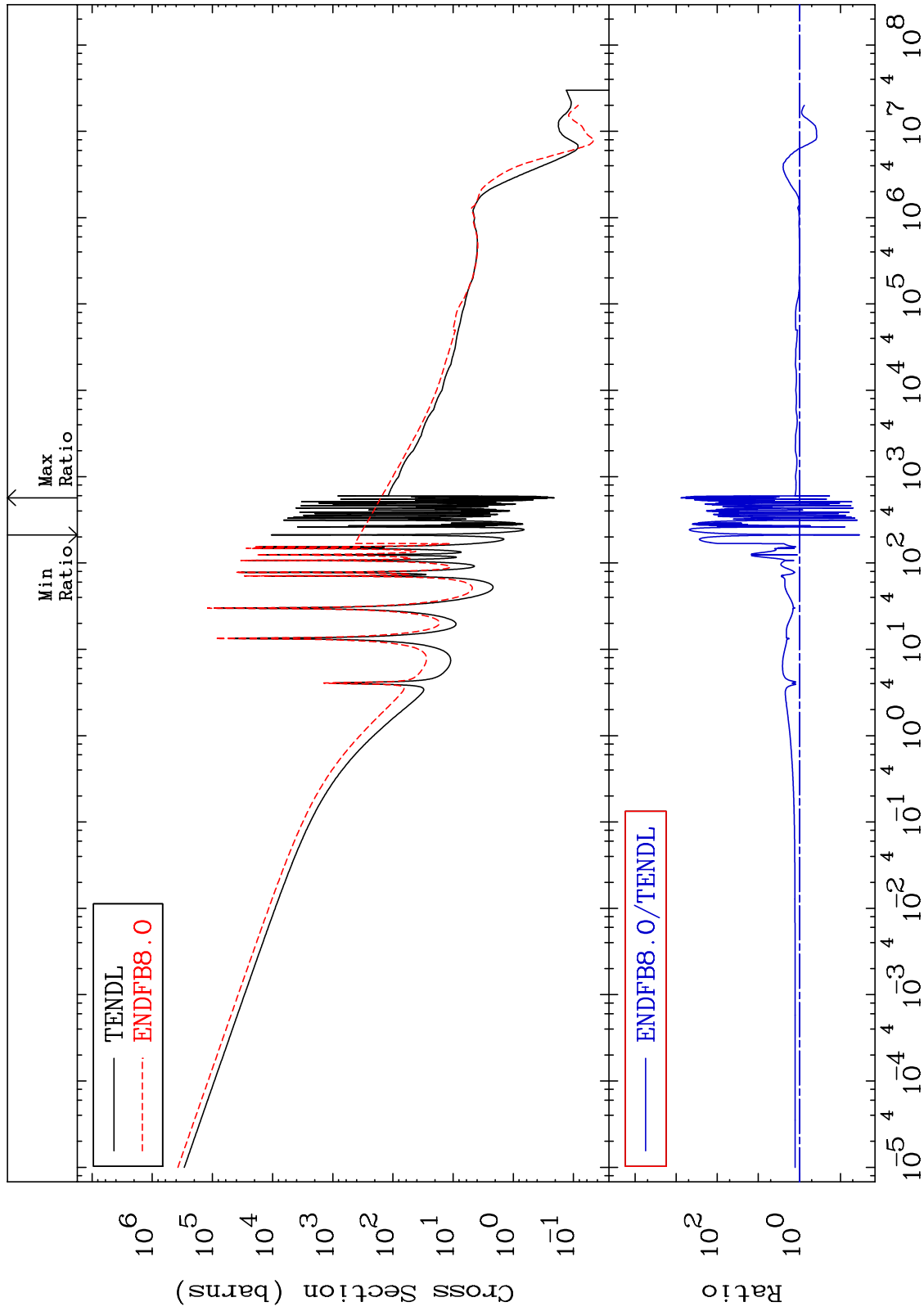
72-Hf-174
-109.0 To 9999. %



MAT 7225

Kerma capture (mt102)
Cross Section

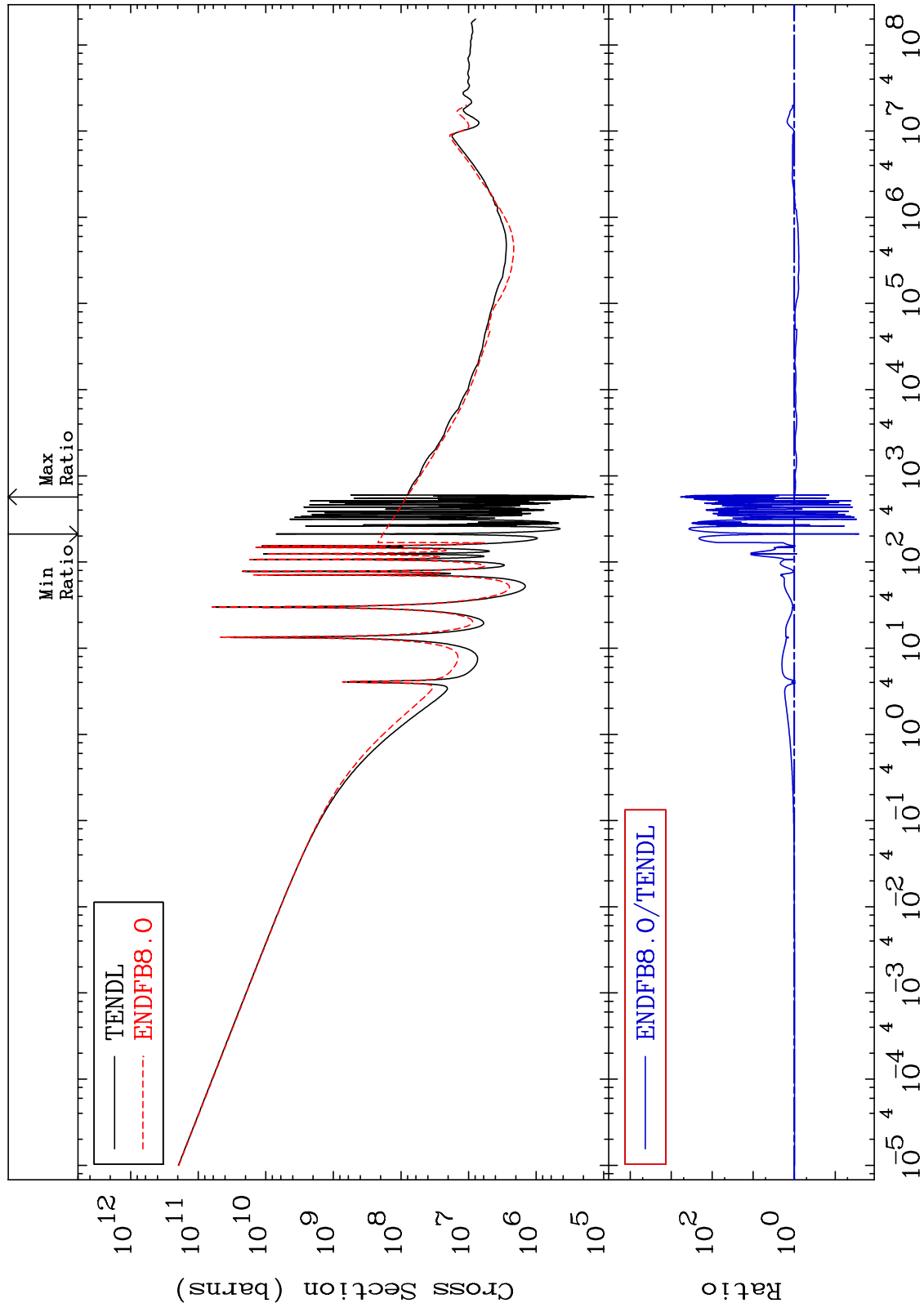
72-Hf-174
-96.61 To 9999. %



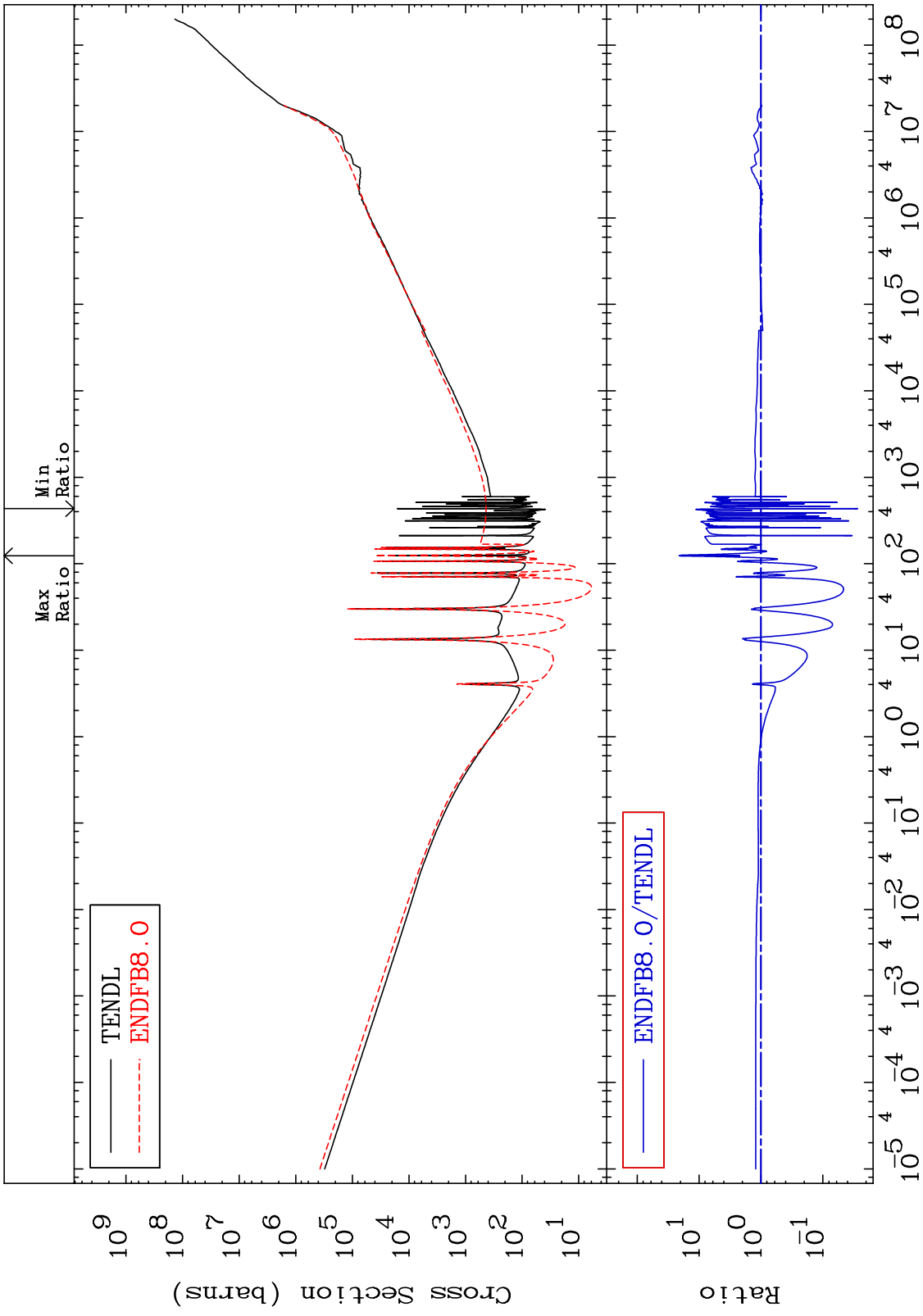
MAT 7225

Total photon (eV-barns)
Cross Section

72-Hf-174
-97.38 To 9999. %

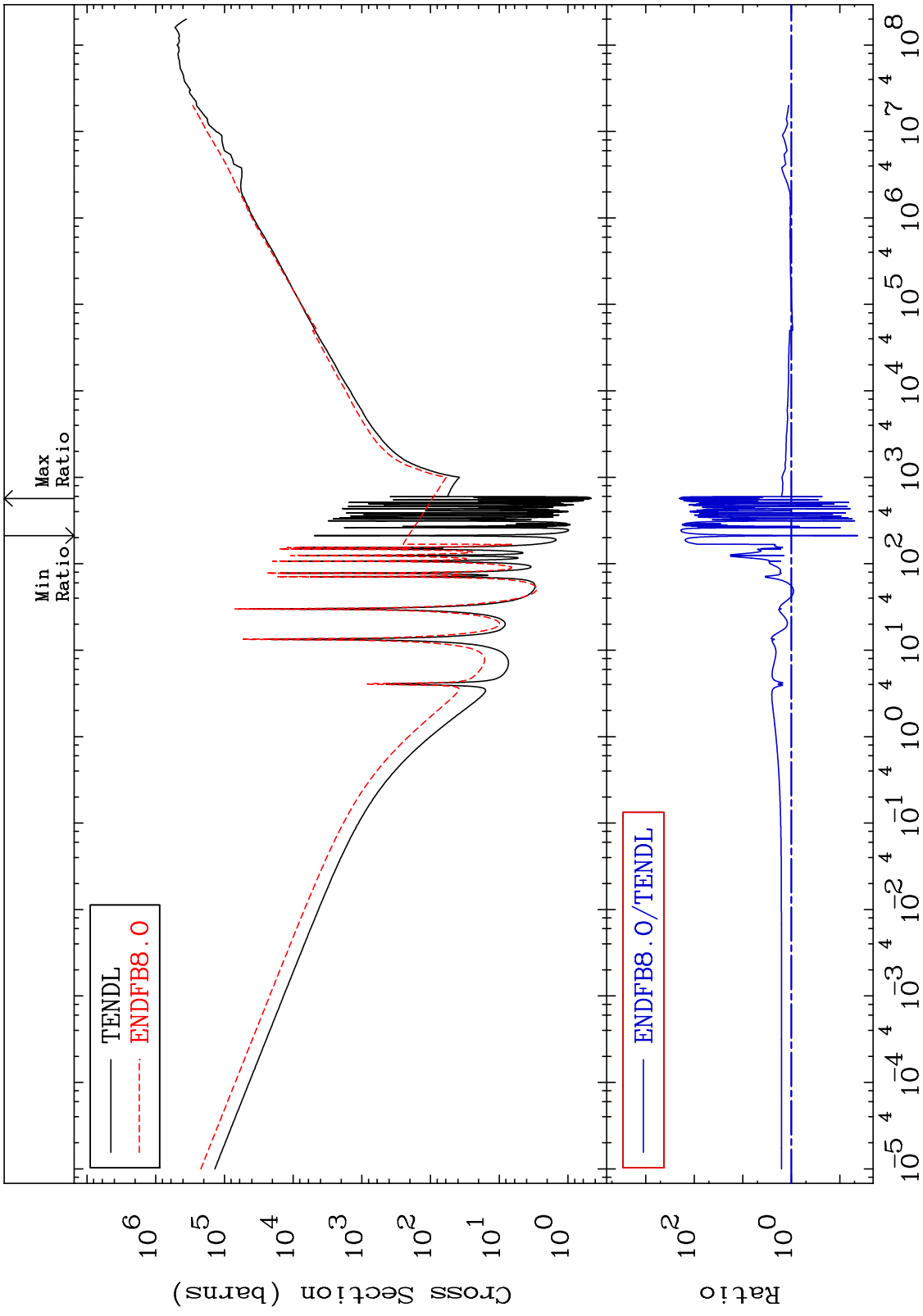


MAT 7225 Total kinematic kerma (high limit) 72-Hf-174
 -97.28 To 2006. %
 Cross Section



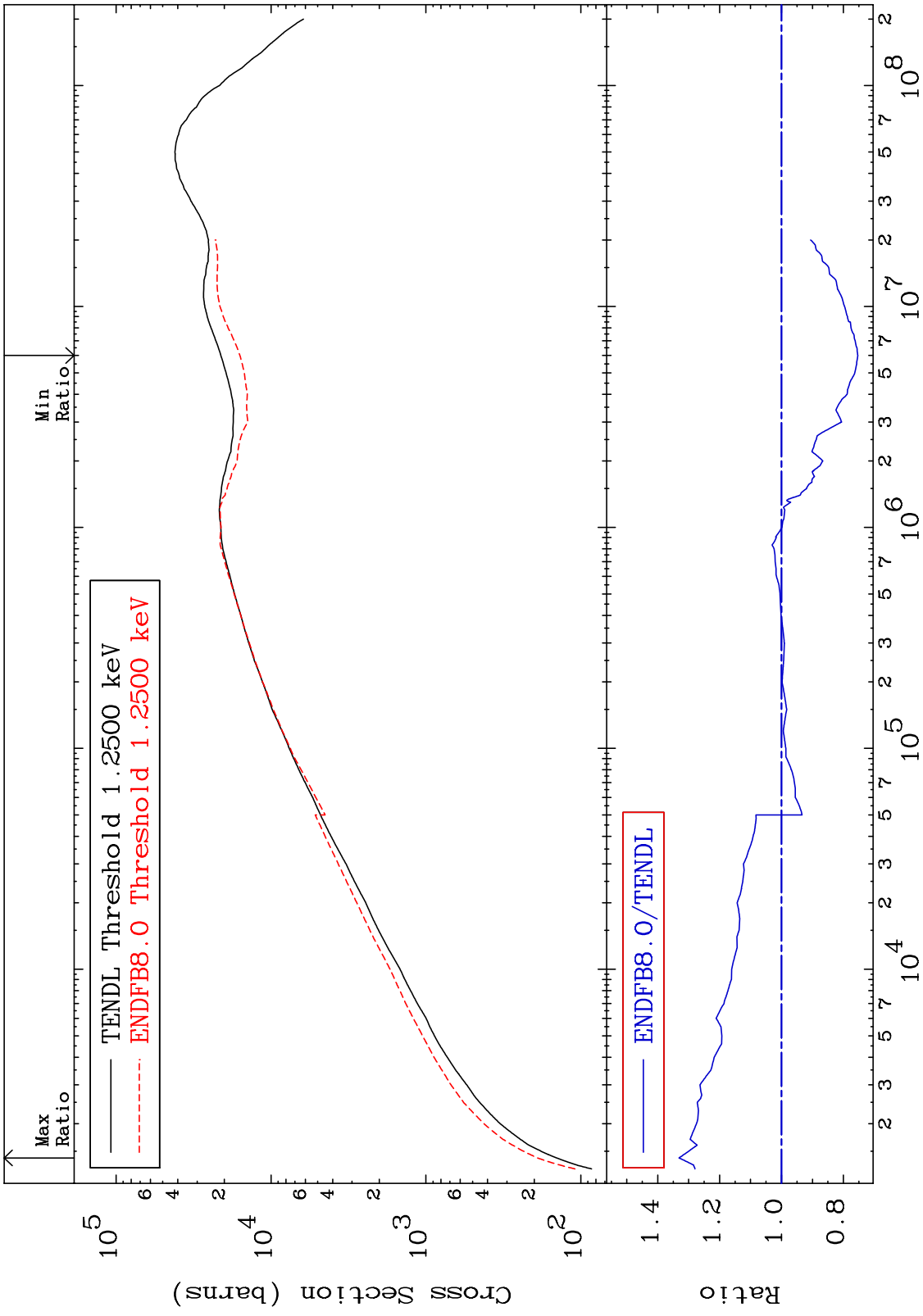
51 Incident Energy (eV) 72-Hf-174

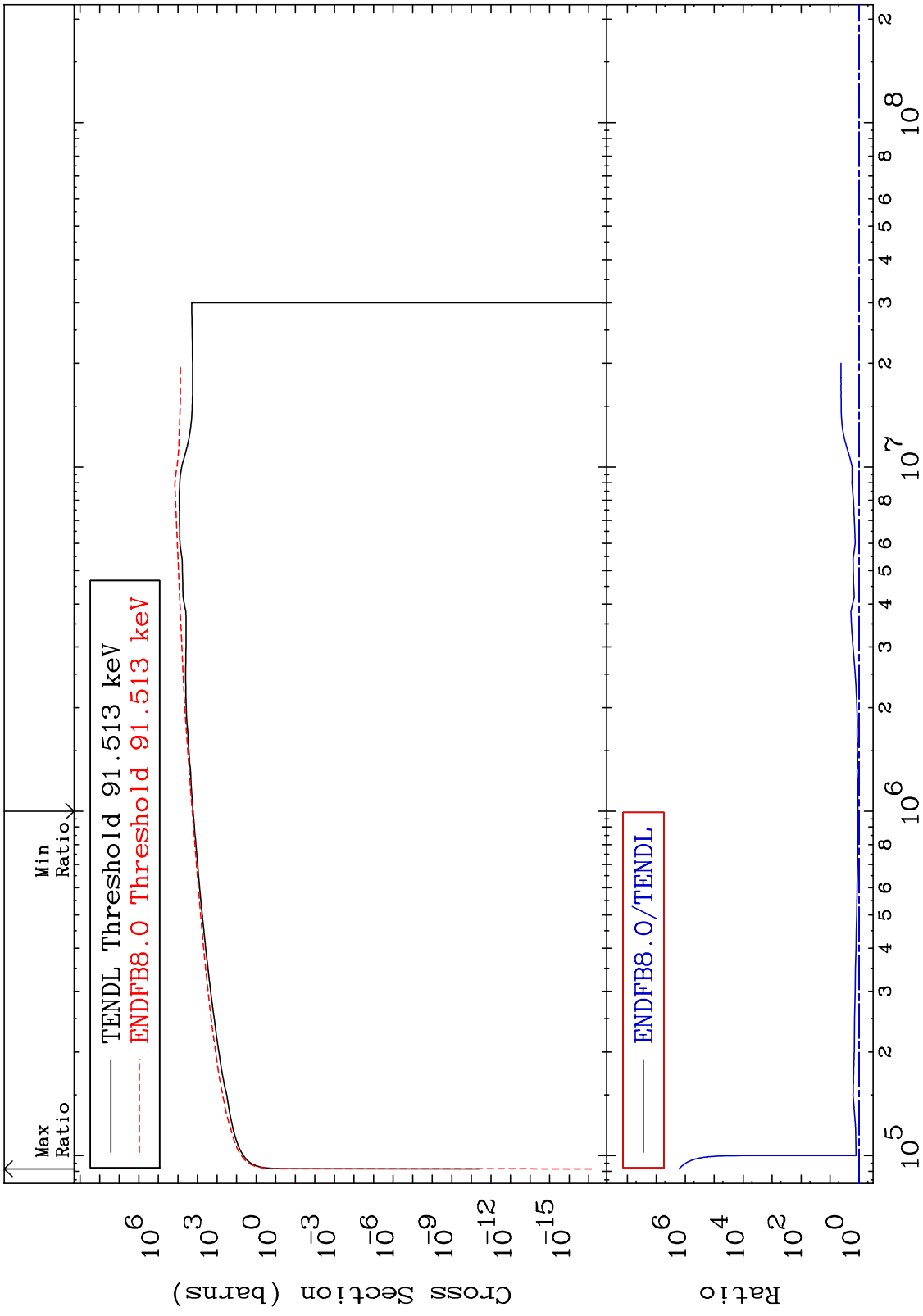
MAT 7225 Dpa total (eV-barns) 72-Hf-174
 -95.75 To 9999. %
 Cross Section



52 Incident Energy (eV) 72-Hf-174

MAT 7225 Dpa elastic (mt2) 72-Hf-174
 Cross Section -24.67 To 33.12 %





MAT 7225 Dpa disappearance (mt102 -120) 72-Hf-174
 Cross Section -95.75 To 9999. %

