

Program Complot
(Version 2018-1)

by

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(Present Contact Information)

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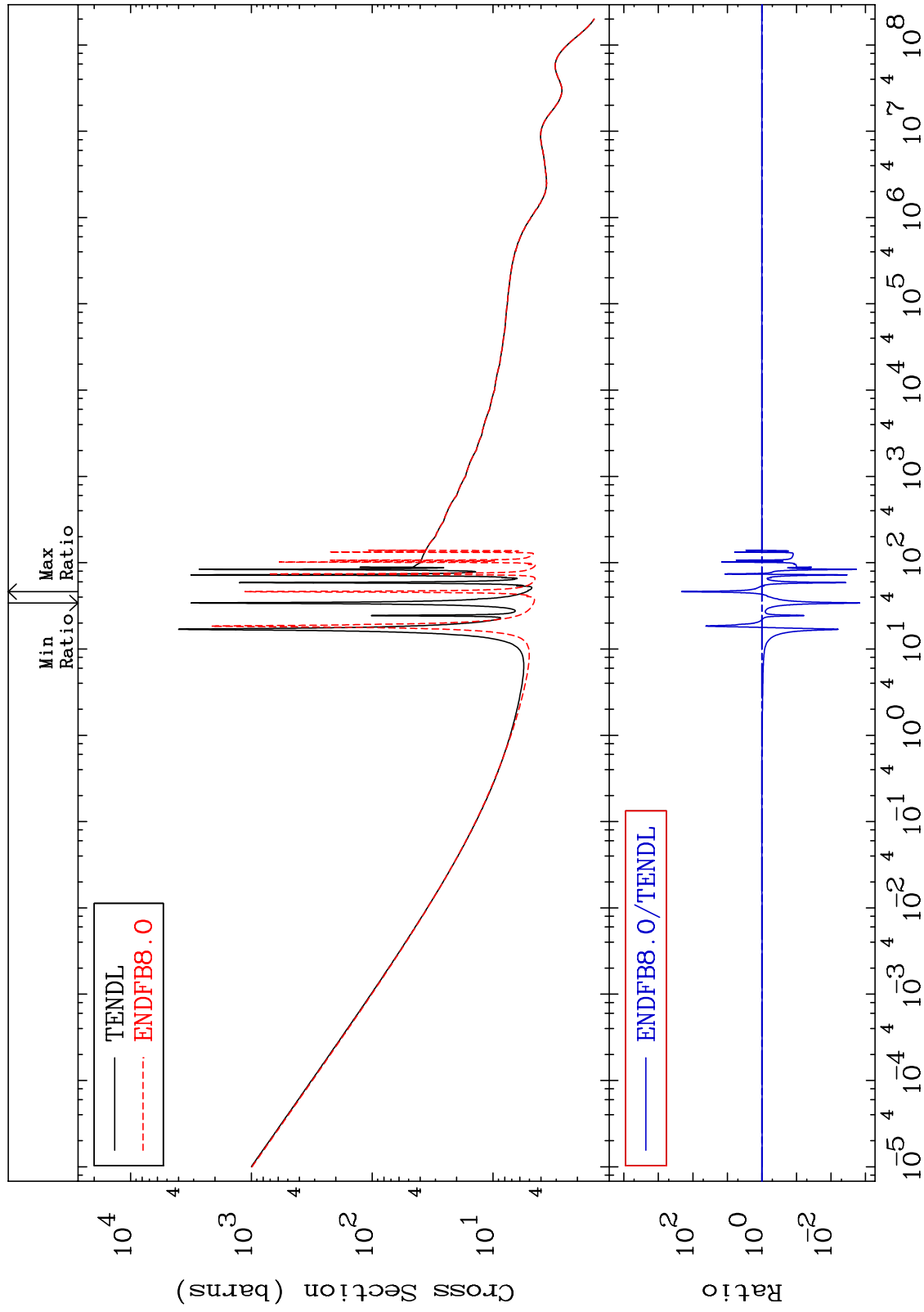
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3634

Total
Cross Section

36-Kr-81
-99.85 To 9999. %



1

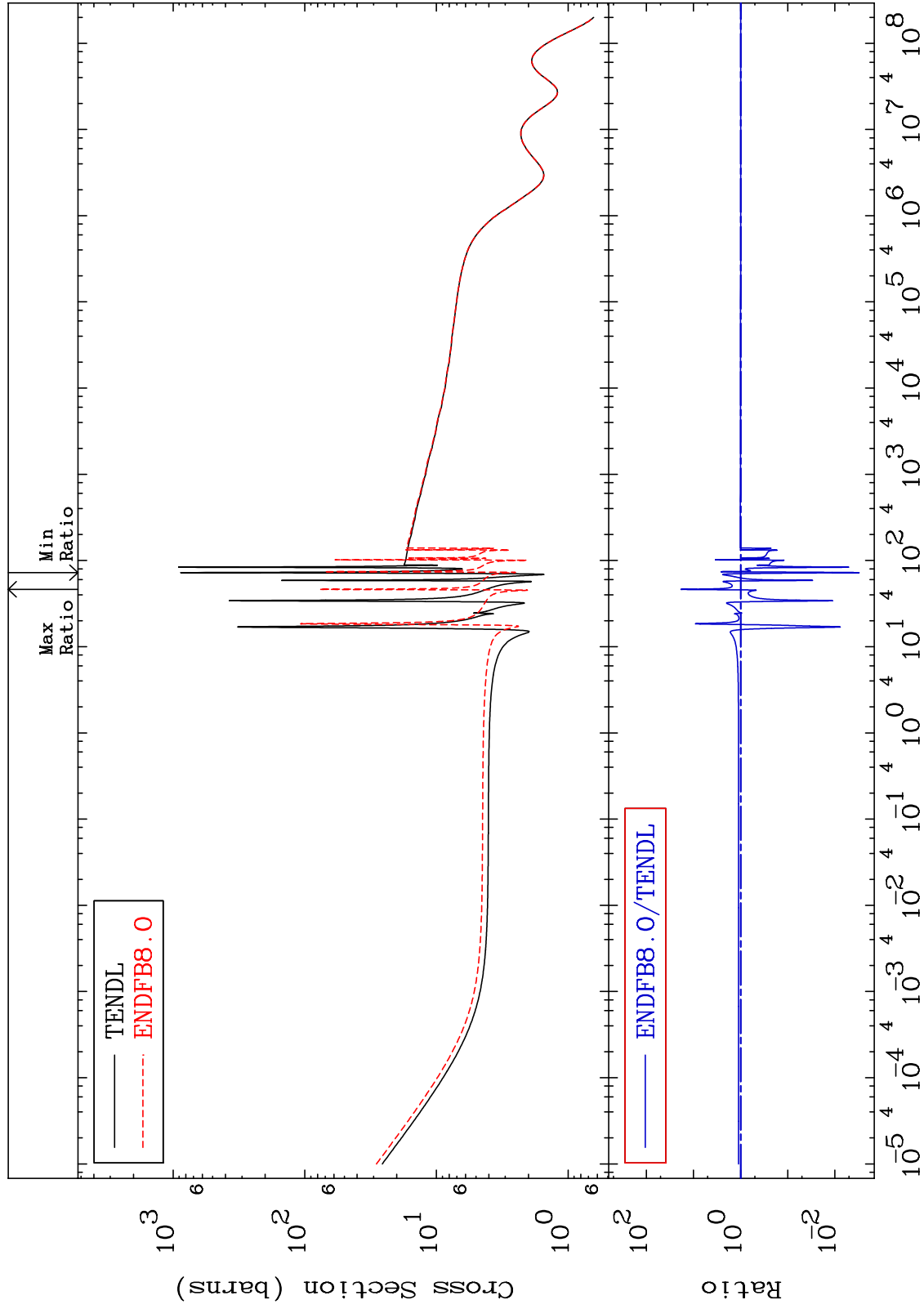
Incident Energy (eV)

36-Kr-81

MAT 3634

Elastic
Cross Section

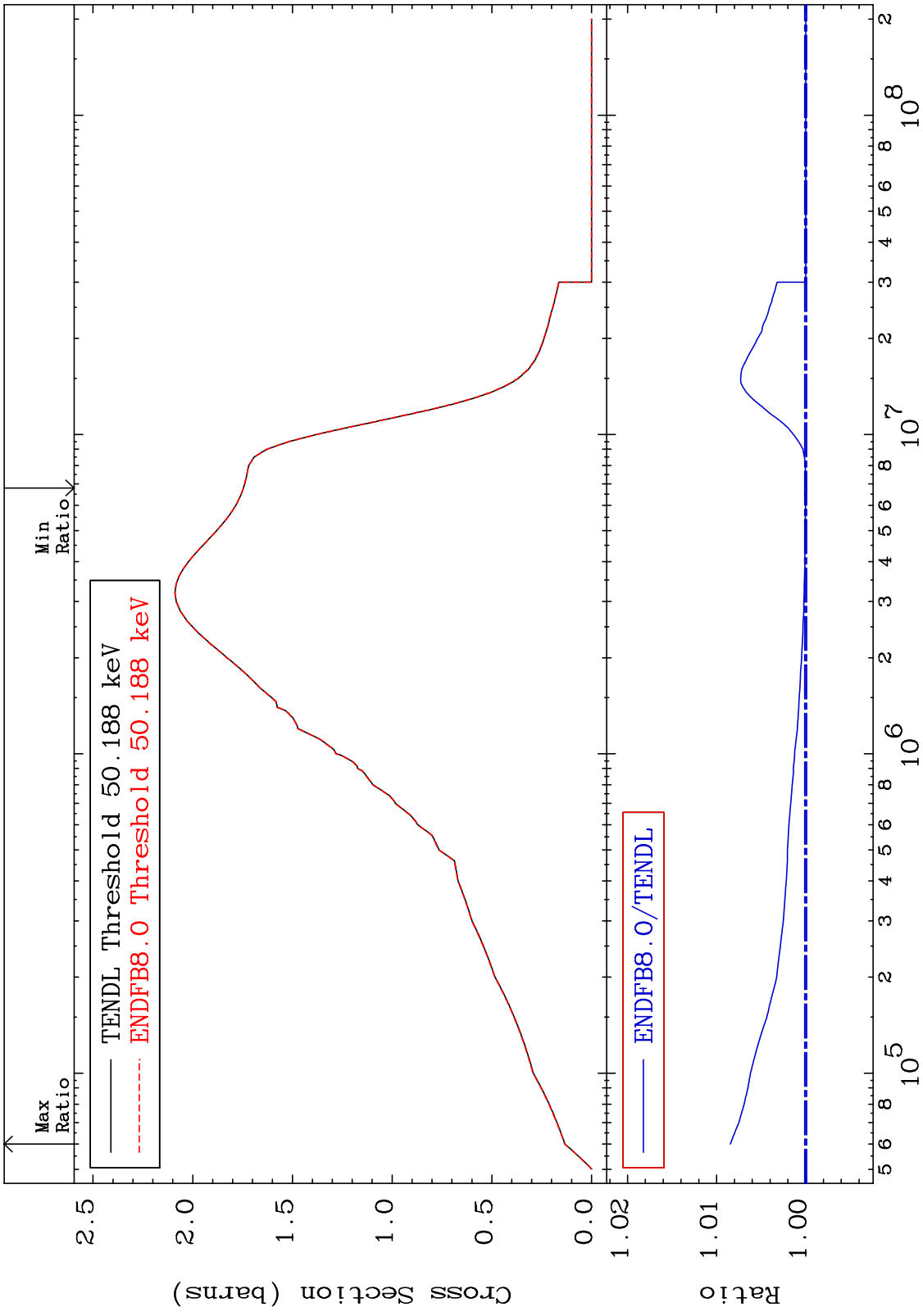
36-Kr-81
-99.69 To 1755. %



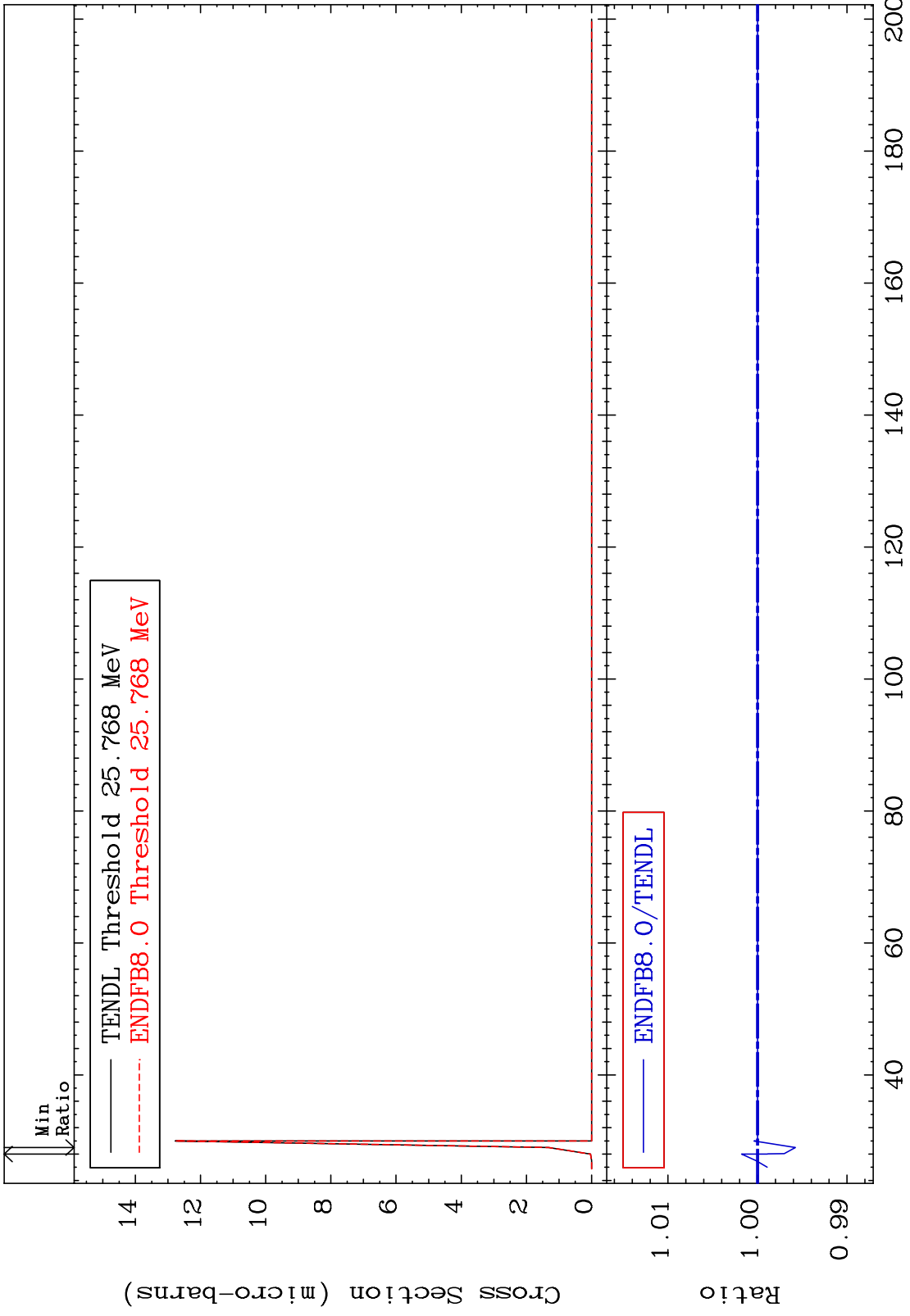
2

Incident Energy (eV)

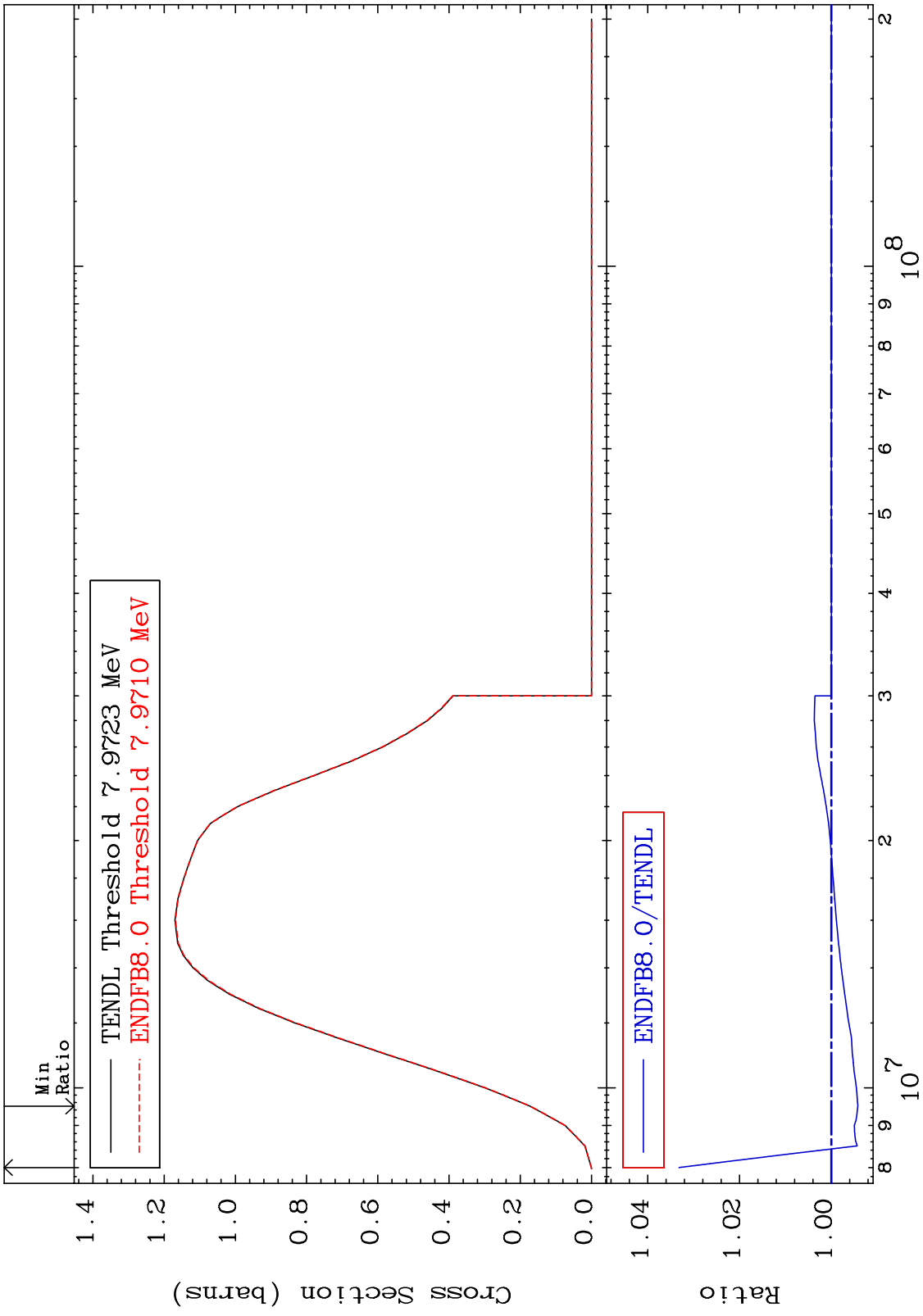
36-Kr-81



MAT 3634 (n,2n) d 36-Kr-81
Cross Section -0.423 To 0.177 %

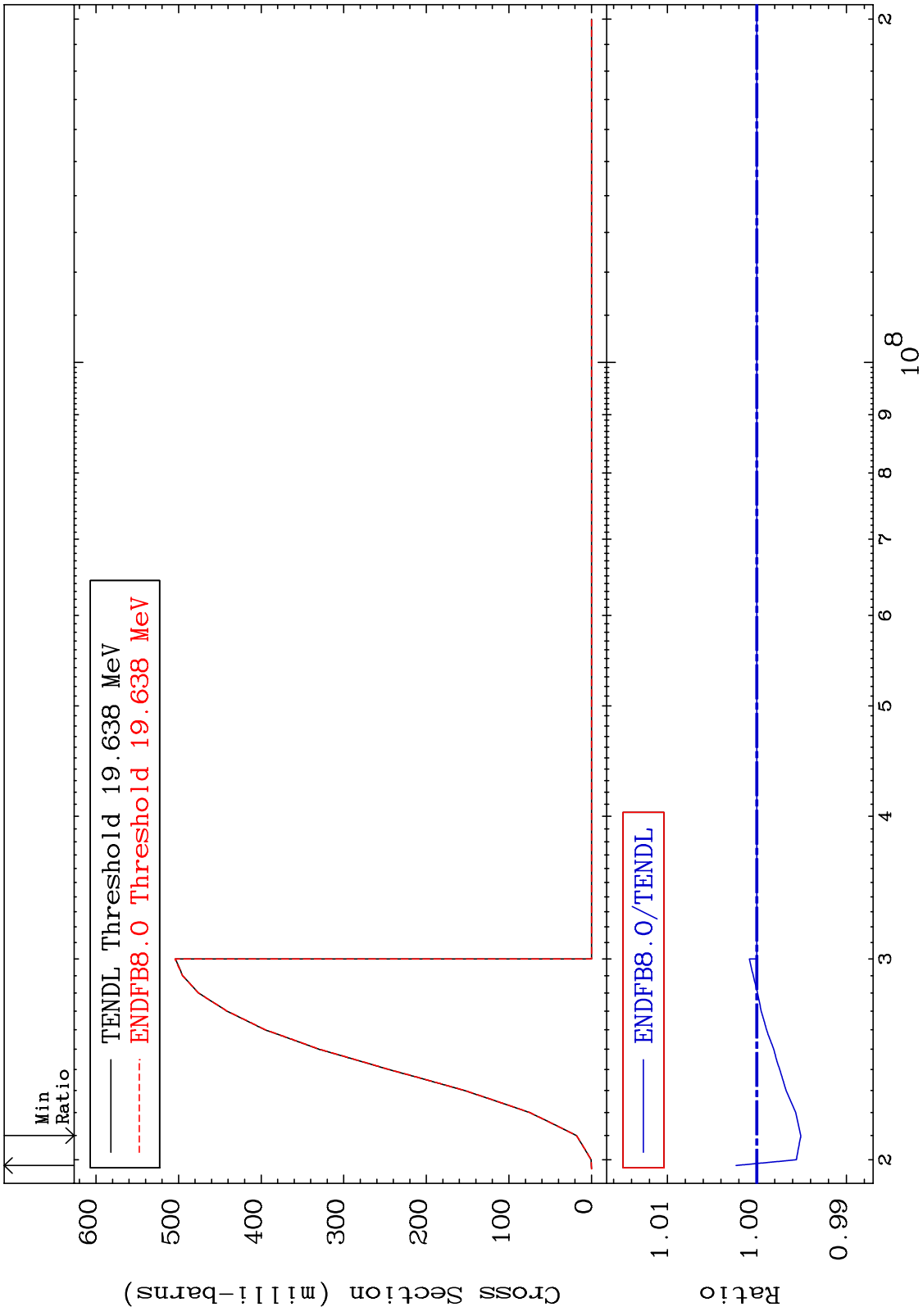


MAT 3634 (n,2n) Cross Section 36-Kr-81 -0.578 To 3.319 %



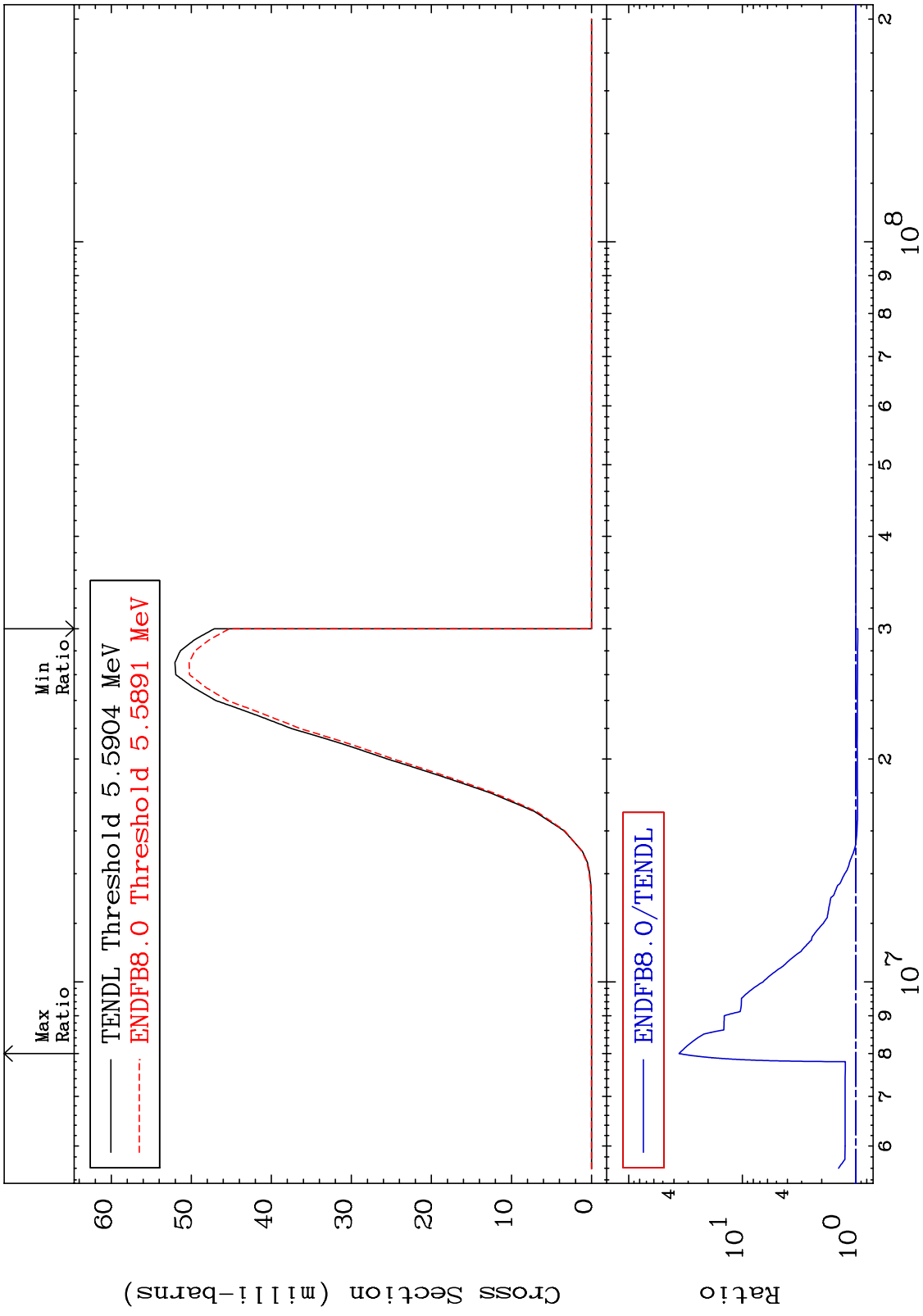
5 36-Kr-81

MAT 3634 (n,3n) Cross Section 36-Kr-81 -0.491 To 0.232 %

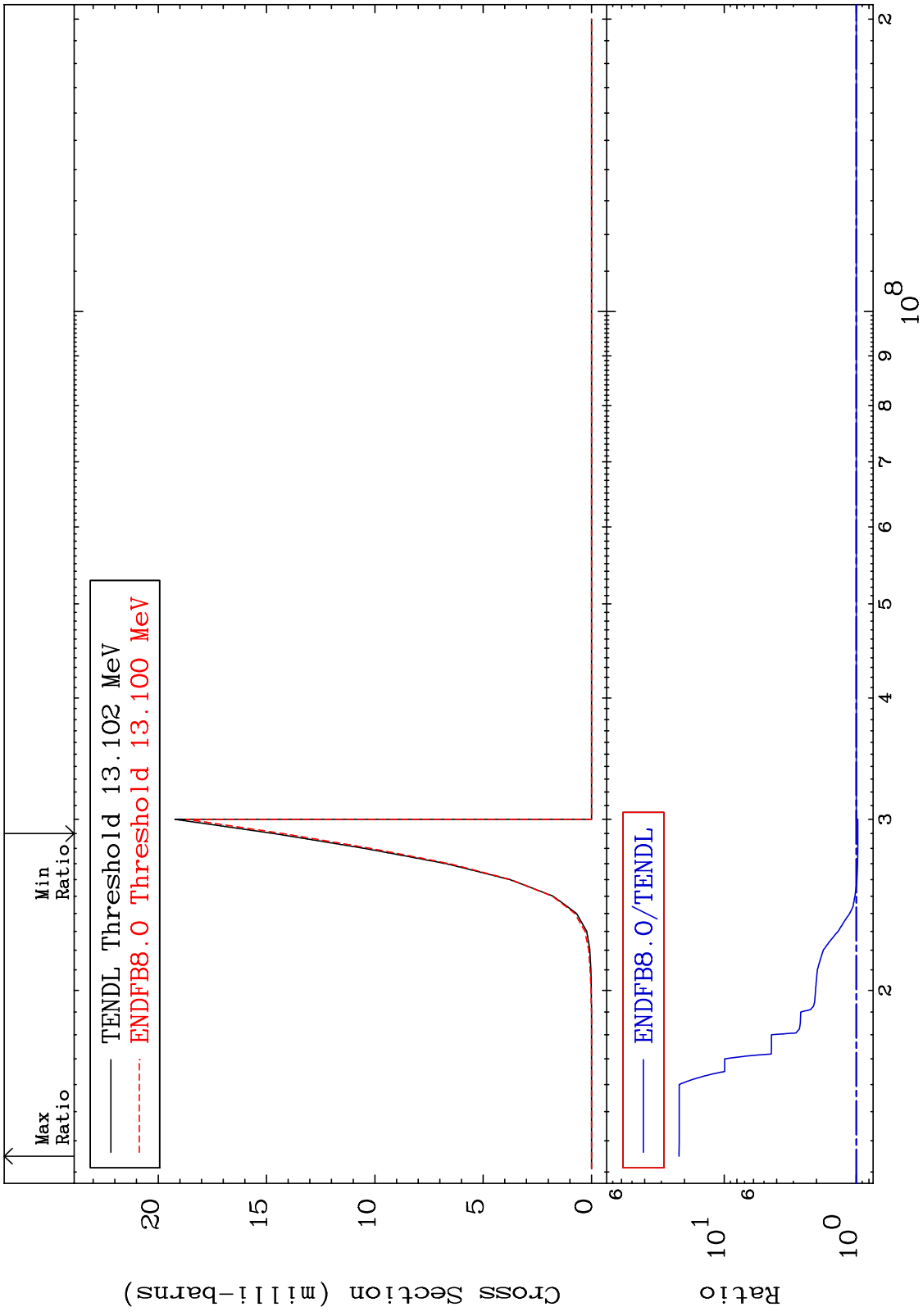


6 36-Kr-81

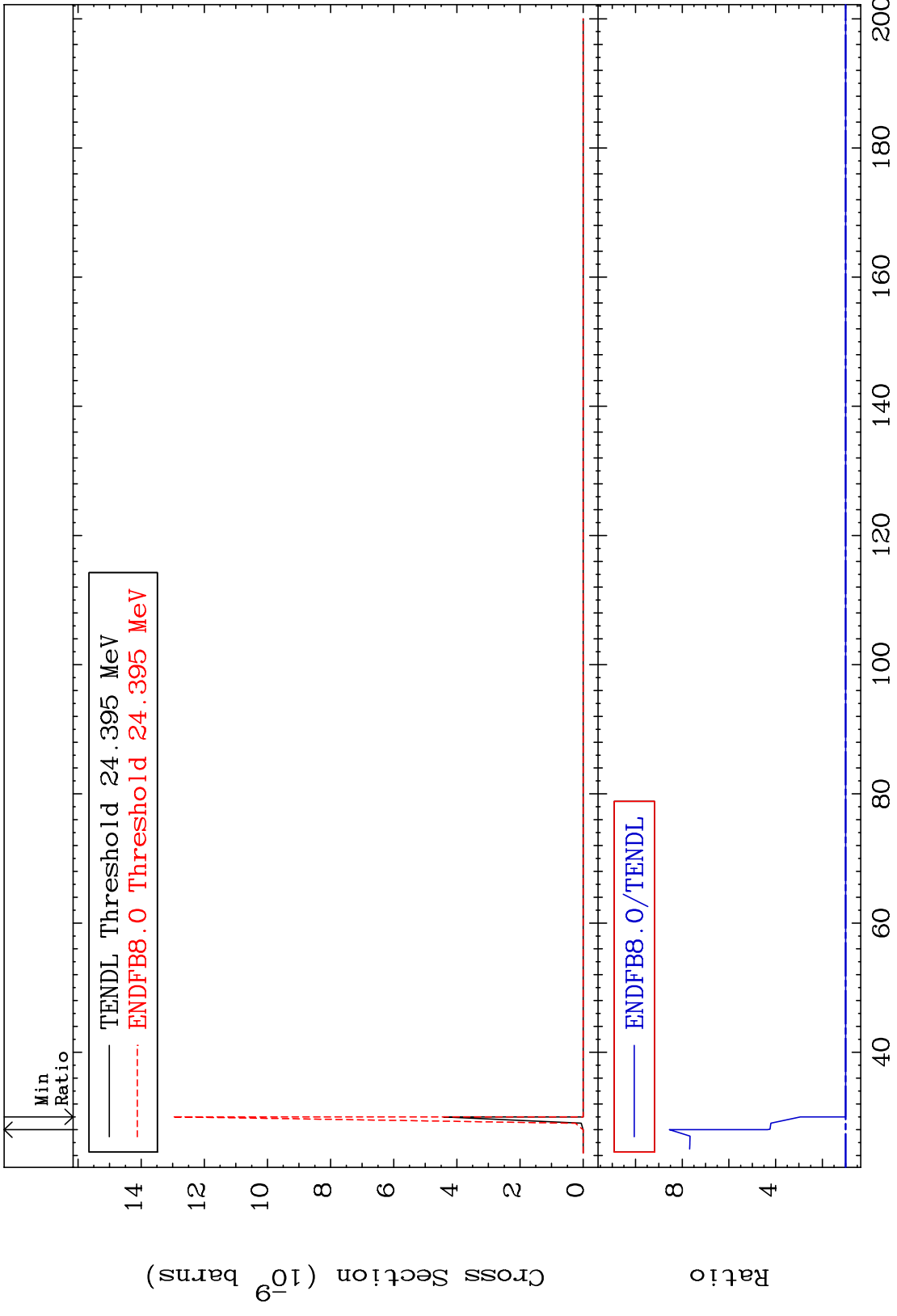
MAT 3634 $(n, n') \alpha$ $^{36}\text{Kr-81}$
 Cross Section -3.992 To 3505. %



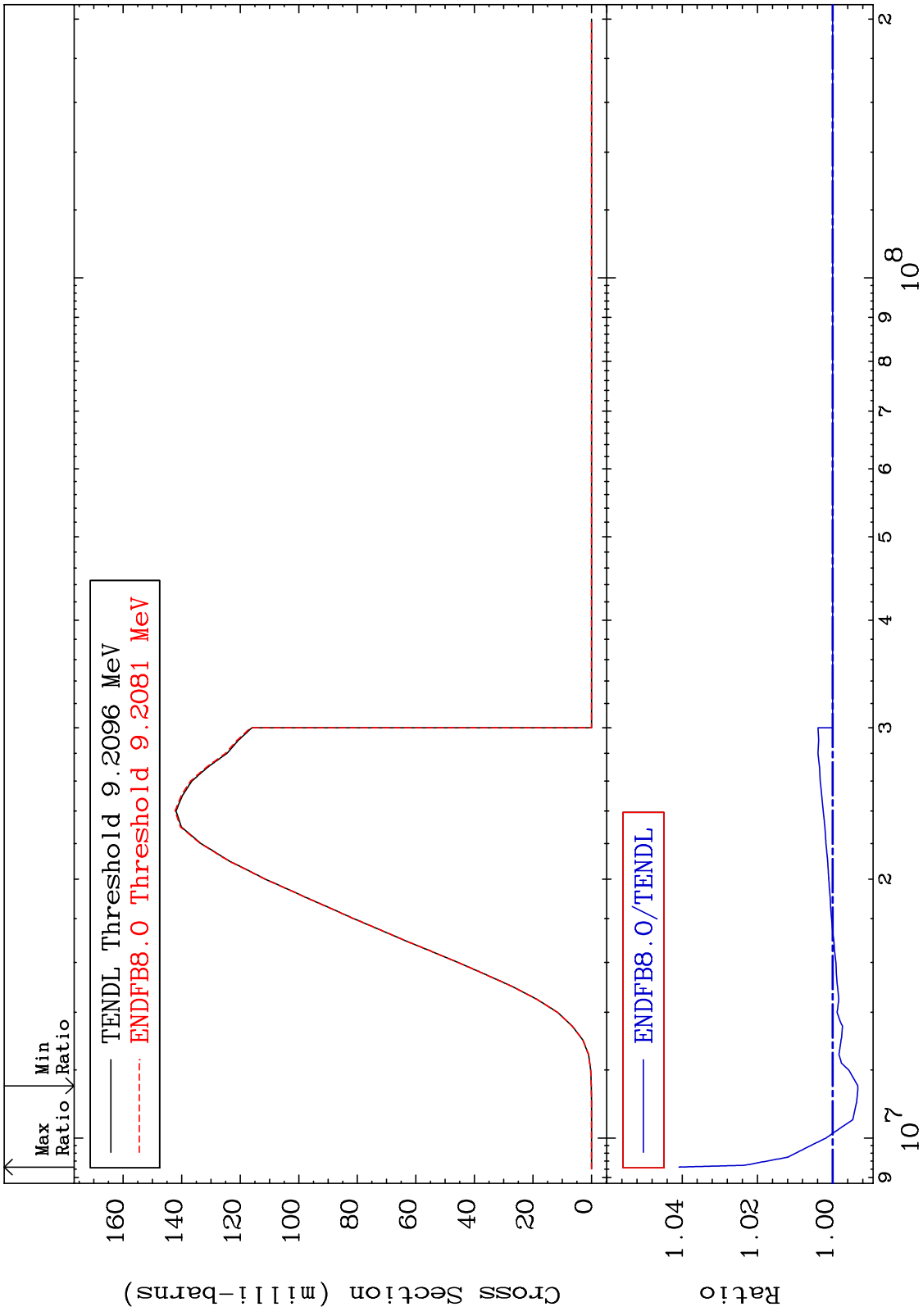
7 Incident Energy (eV) $^{36}\text{Kr-81}$



MAT 3634 (n,3n) α 36-Kr-81
Cross Section 0.000 To 754.8 %

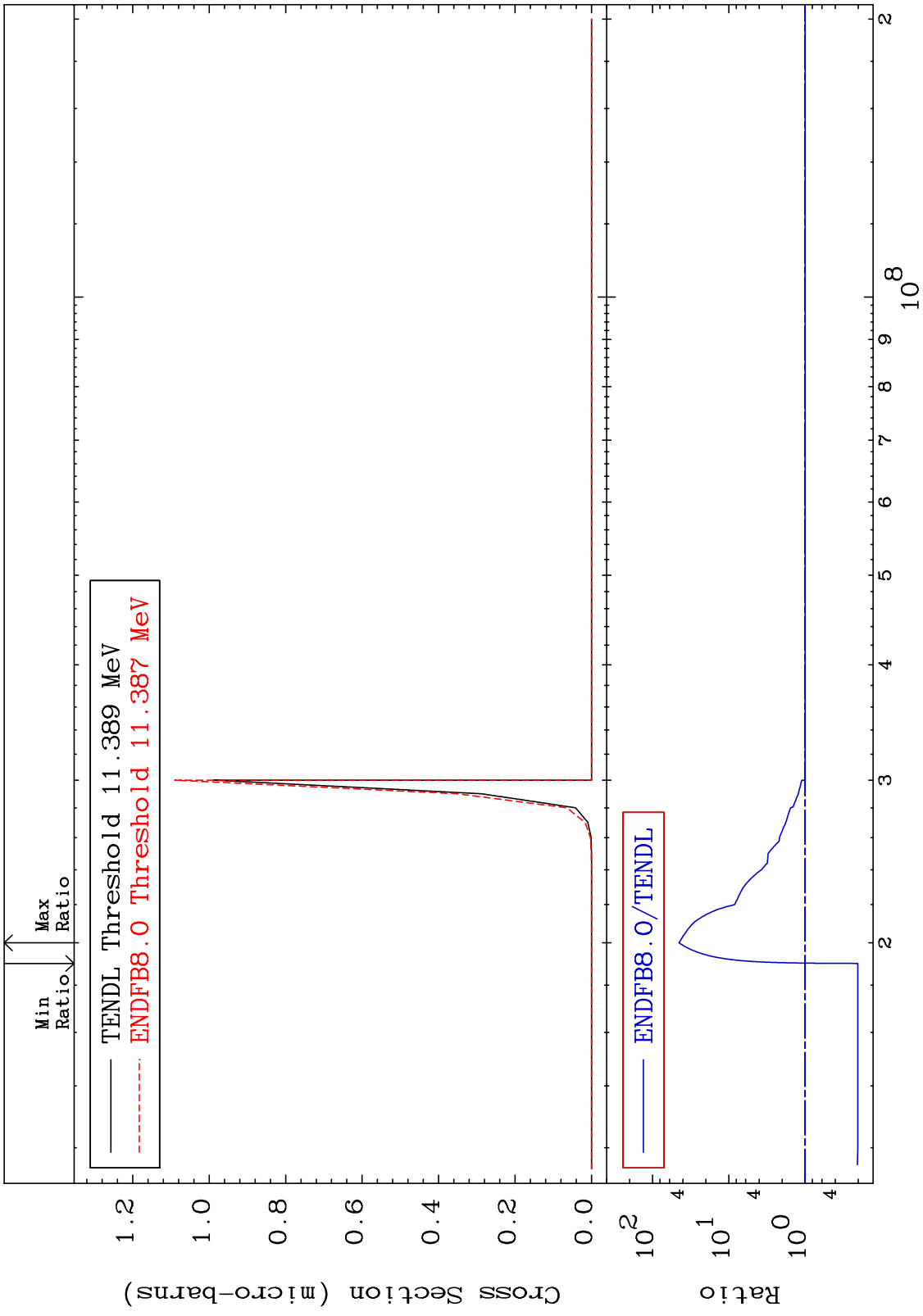


MAT 3634 (n,n') p 36-Kr-81
Cross Section -0.668 To 4.083 %

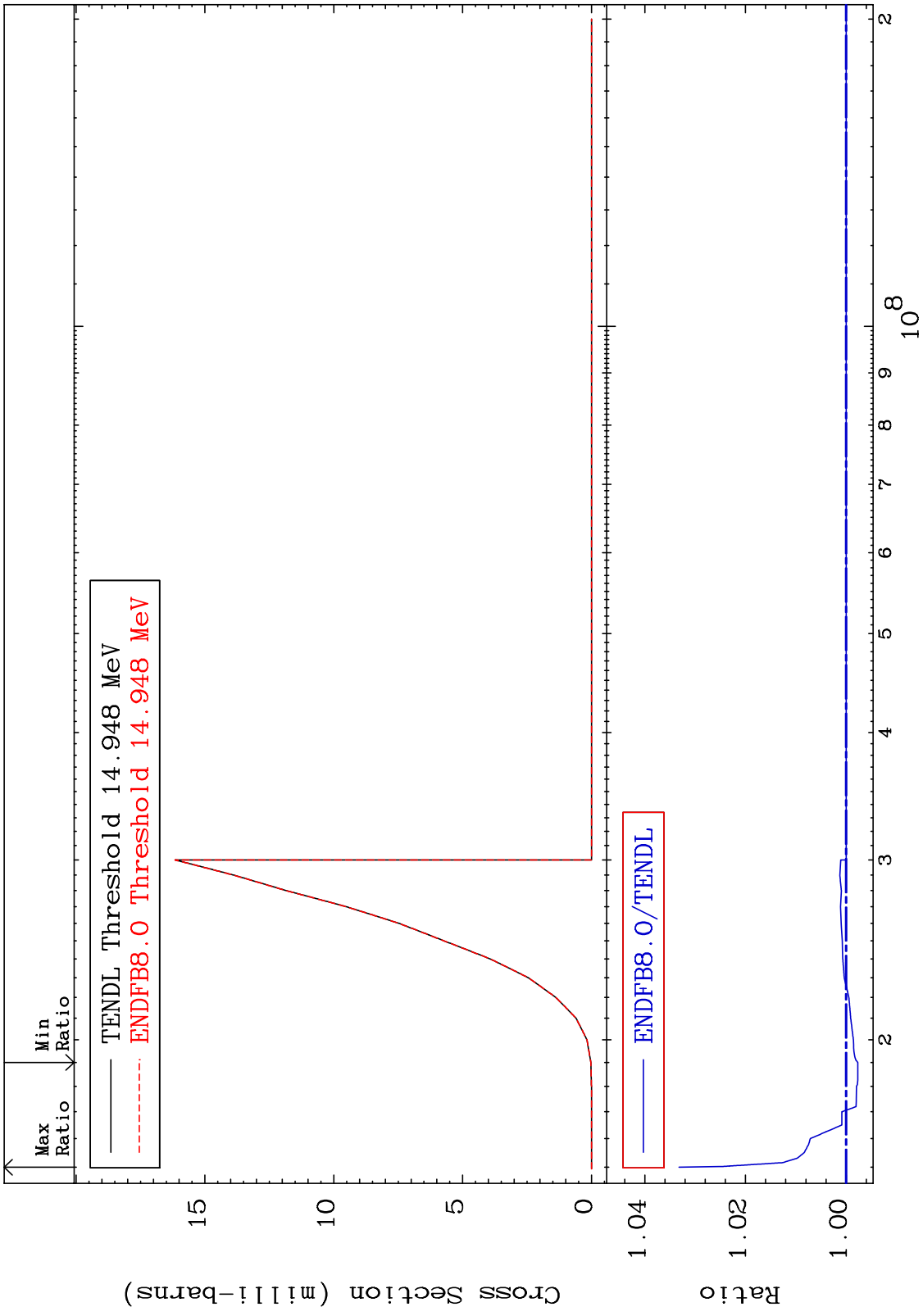


36-Kr-81

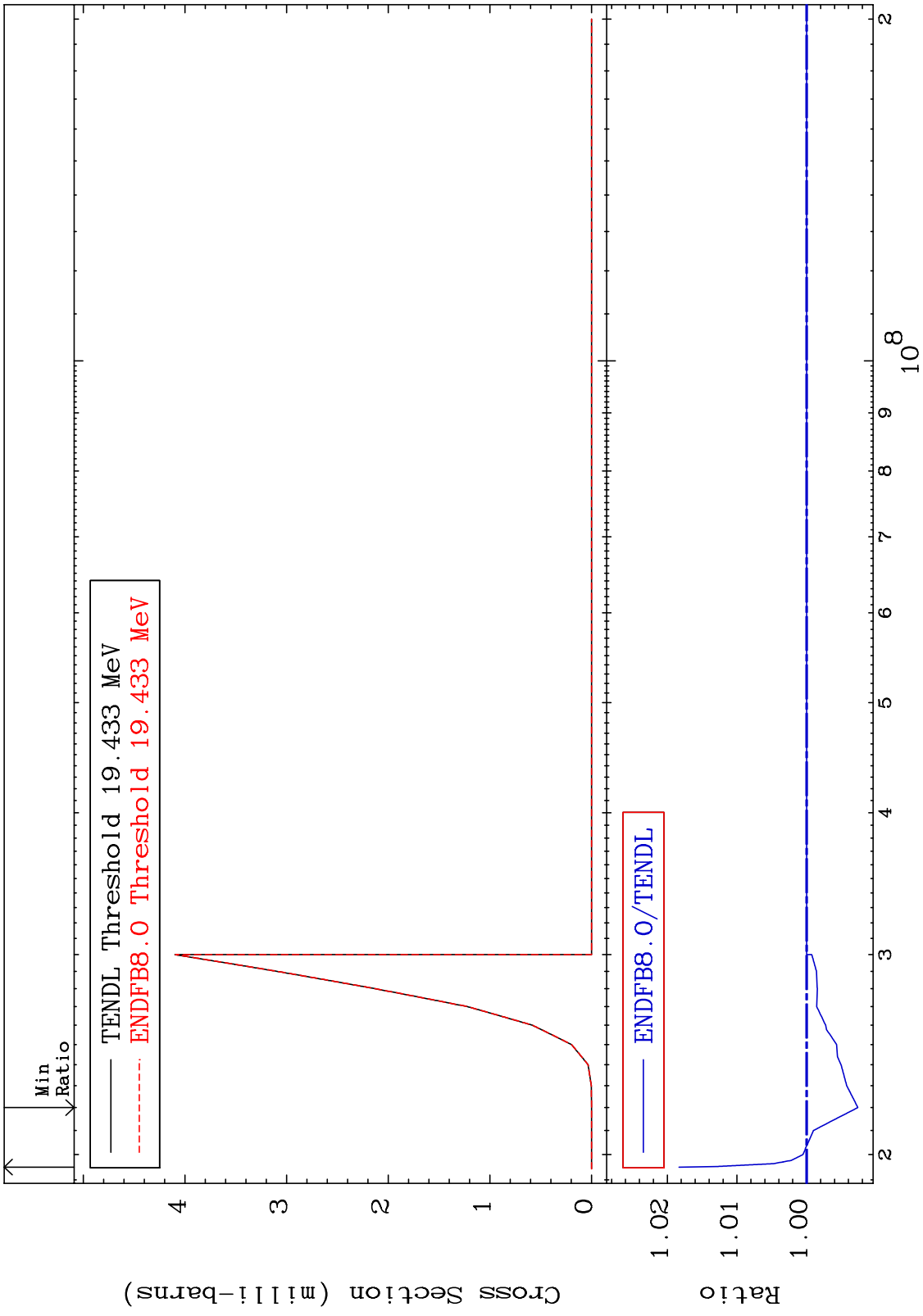
MAT 3634 (n,n') 2α Cross Section 36-Kr-81 -79.71 To 440. %



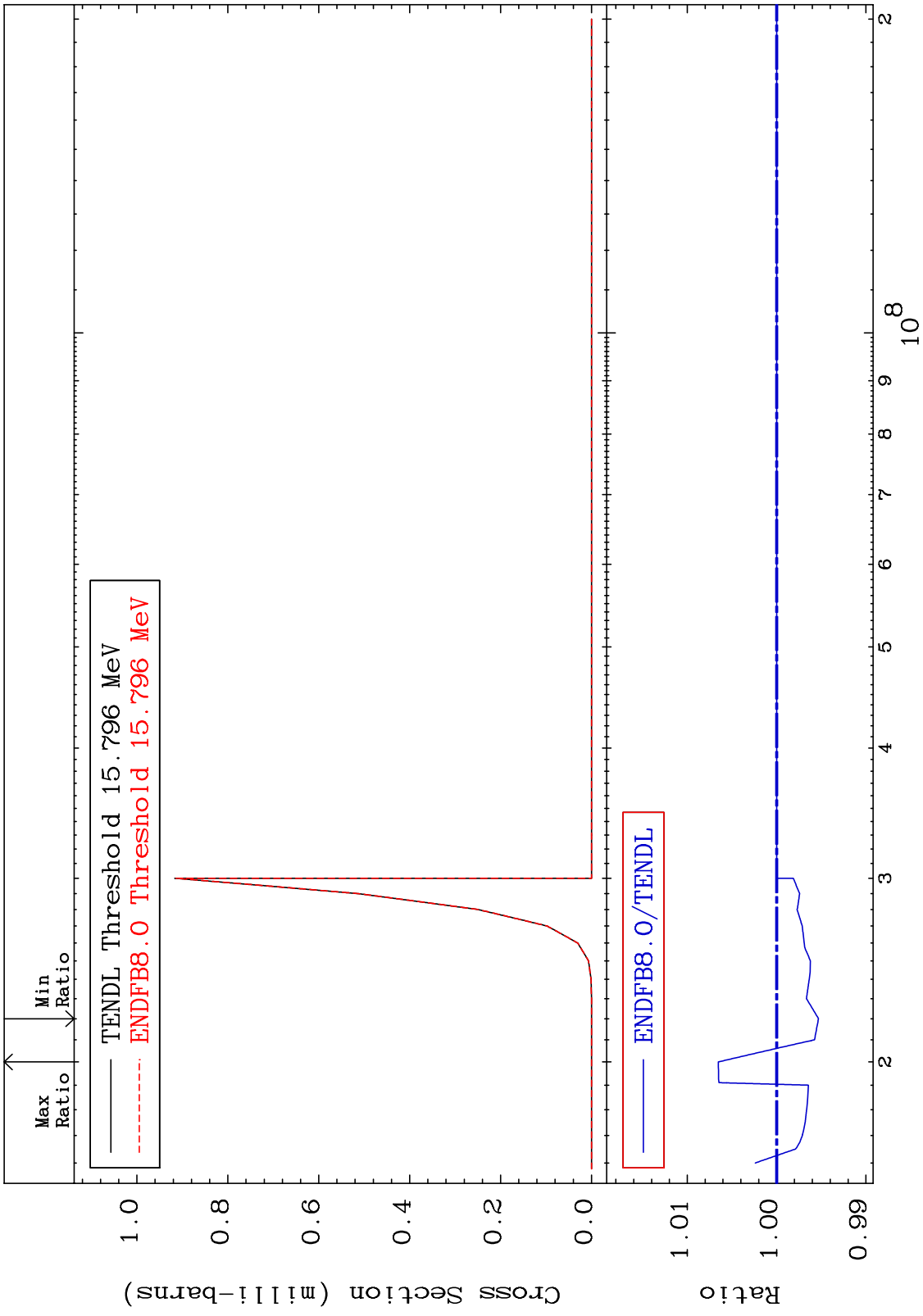
MAT 3634 (n,n') d 36-Kr-81
 Cross Section -0.232 To 3.320 %



MAT 3634 (n,n') t 36-Kr-81
Cross Section -0.735 To 1.831 %

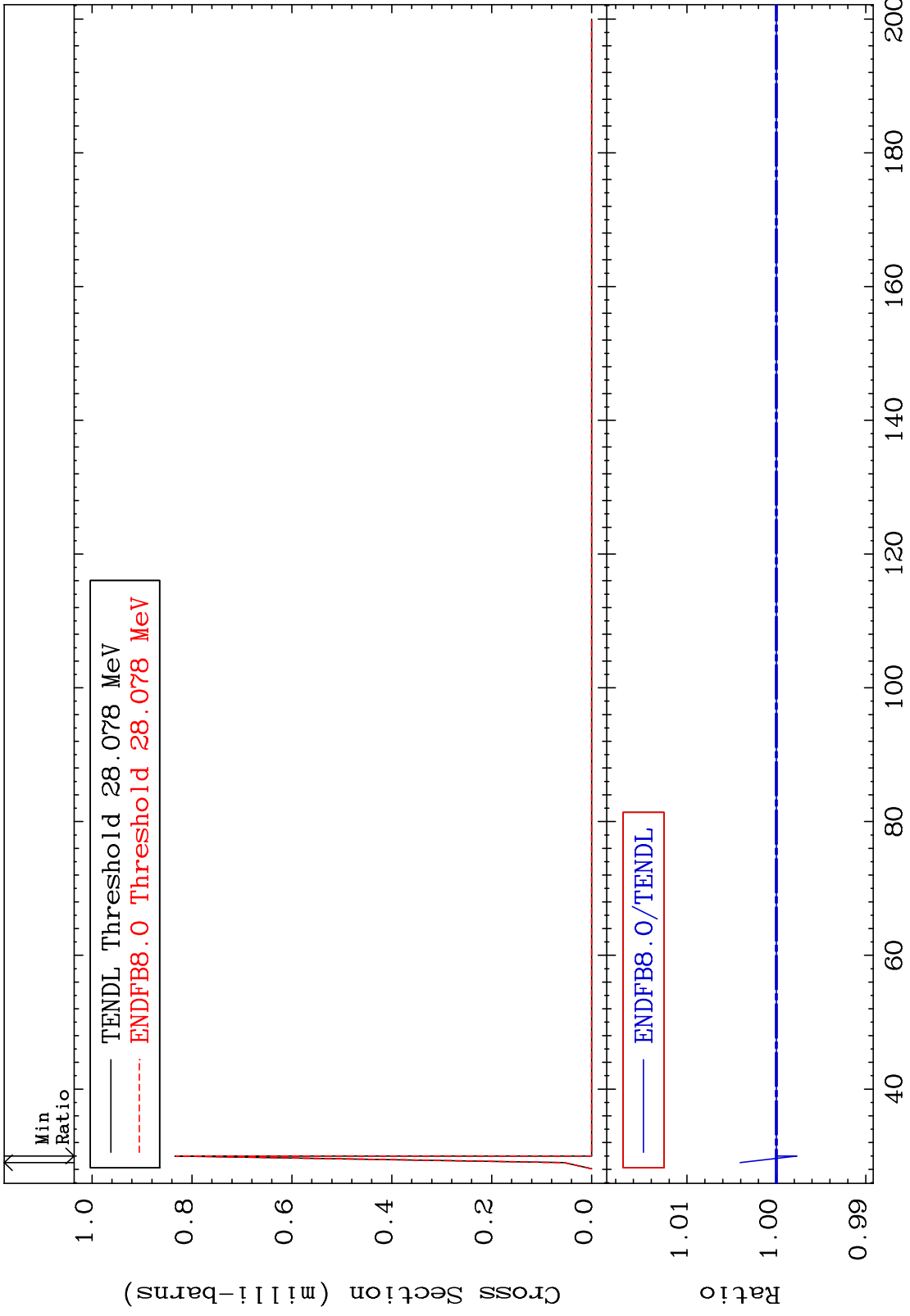


MAT 3634 (n, n') He-3 36-Kr-81
 Cross Section -0.469 To 0.652 %

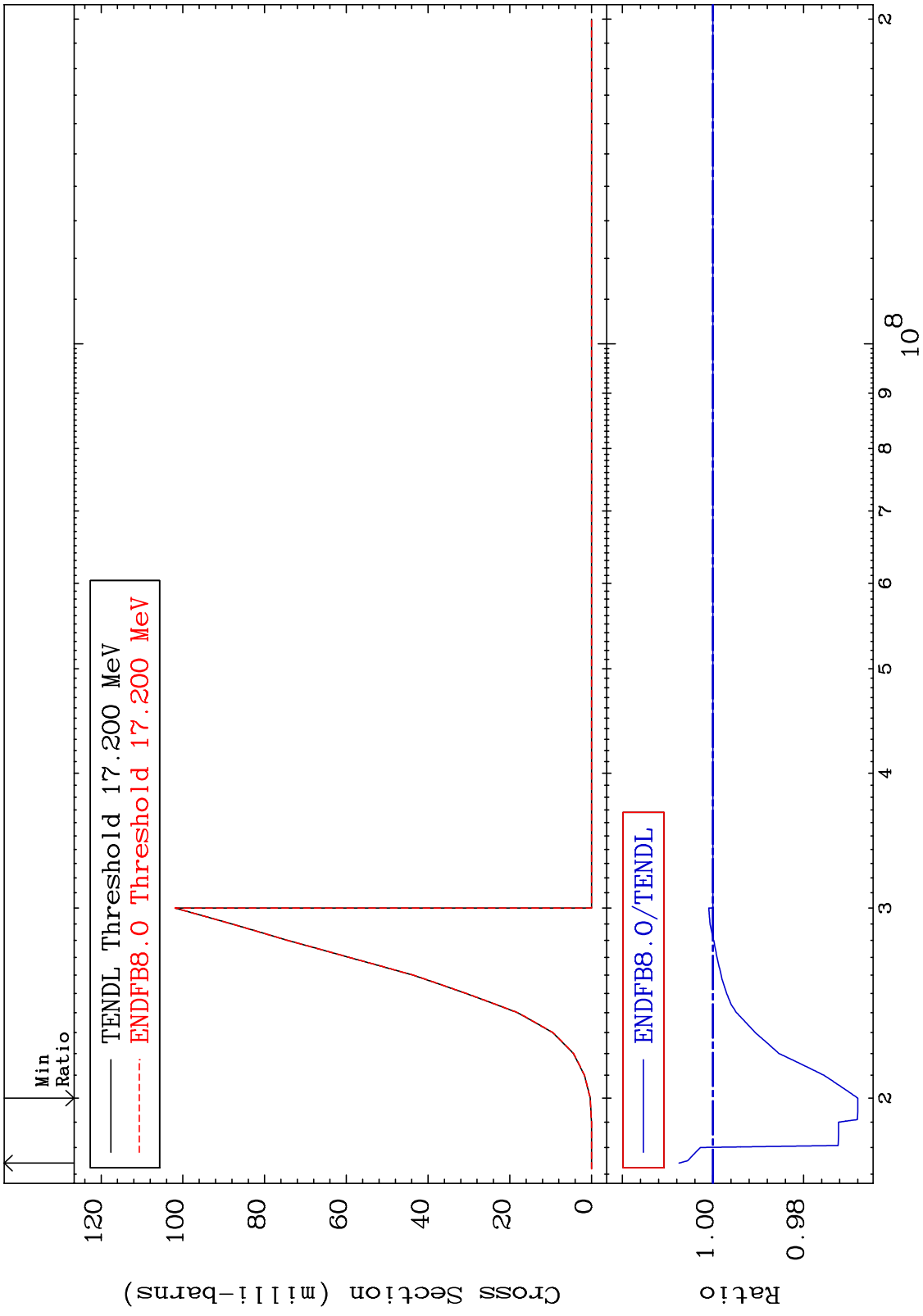


36-Kr-81

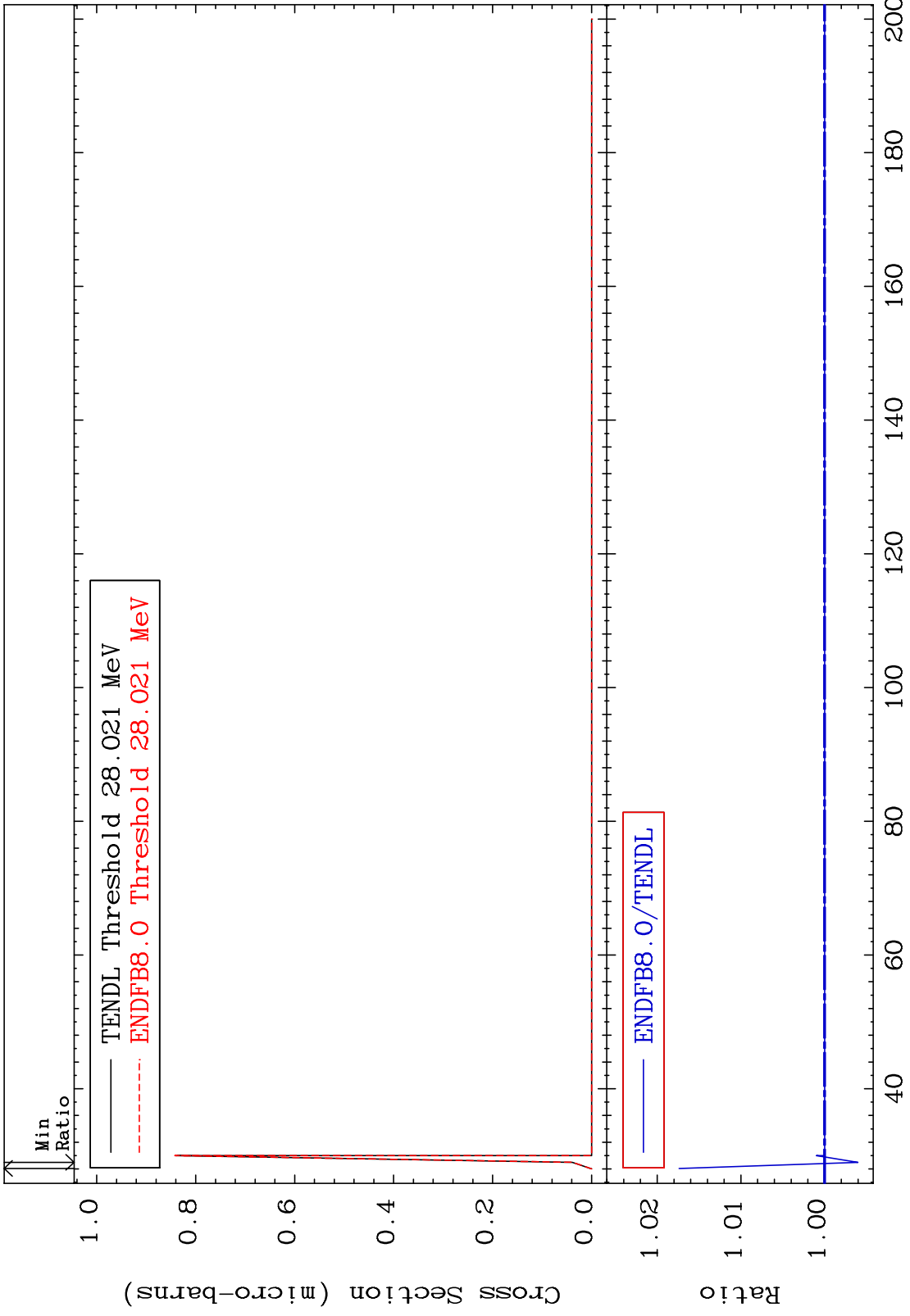
MAT 3634 (n,4n) Cross Section 36-Kr-81 -0.230 To 0.405 %



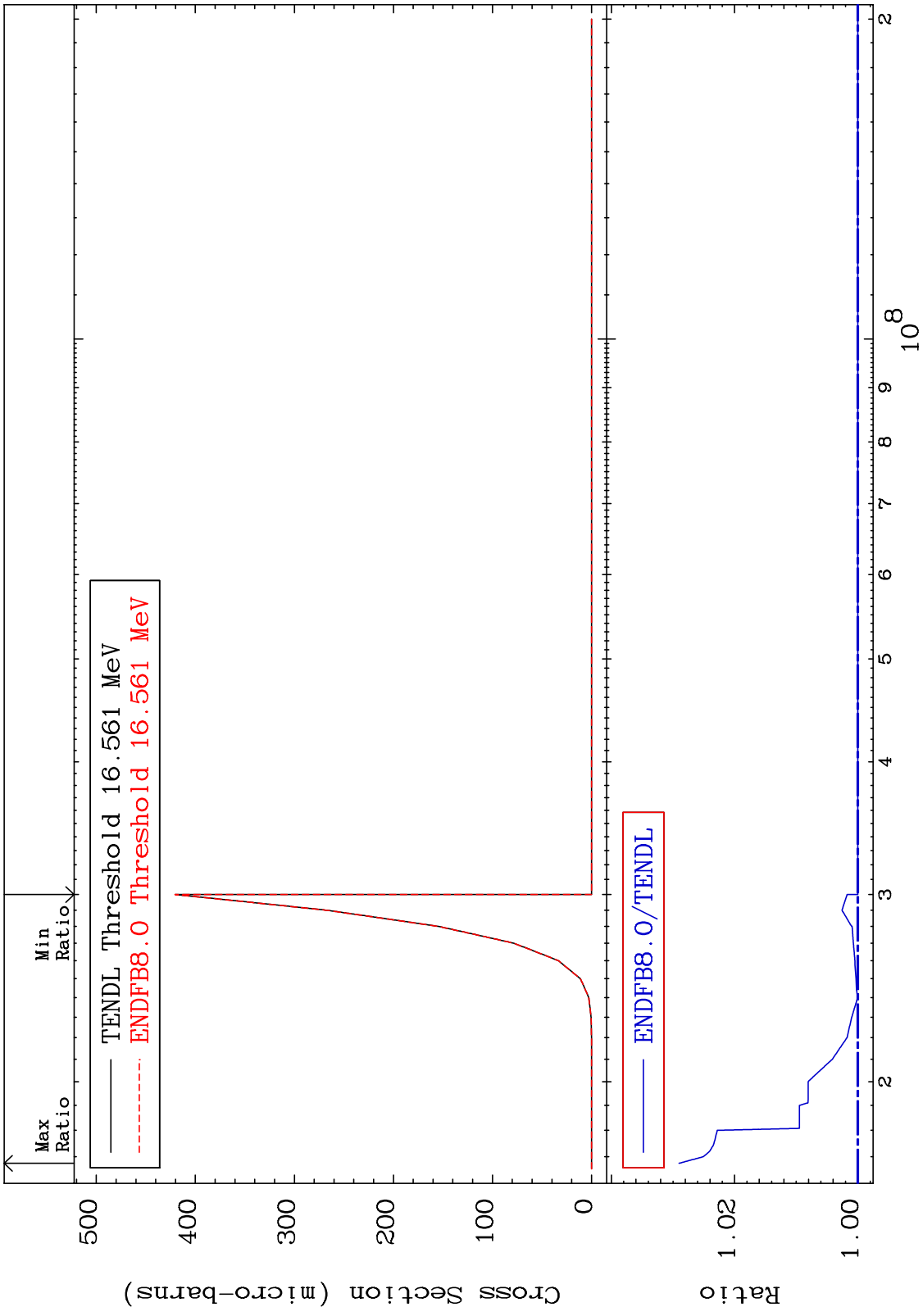
MAT 3634 (n,2n) p 36-Kr-81
 Cross Section -3.200 To 0.749 %



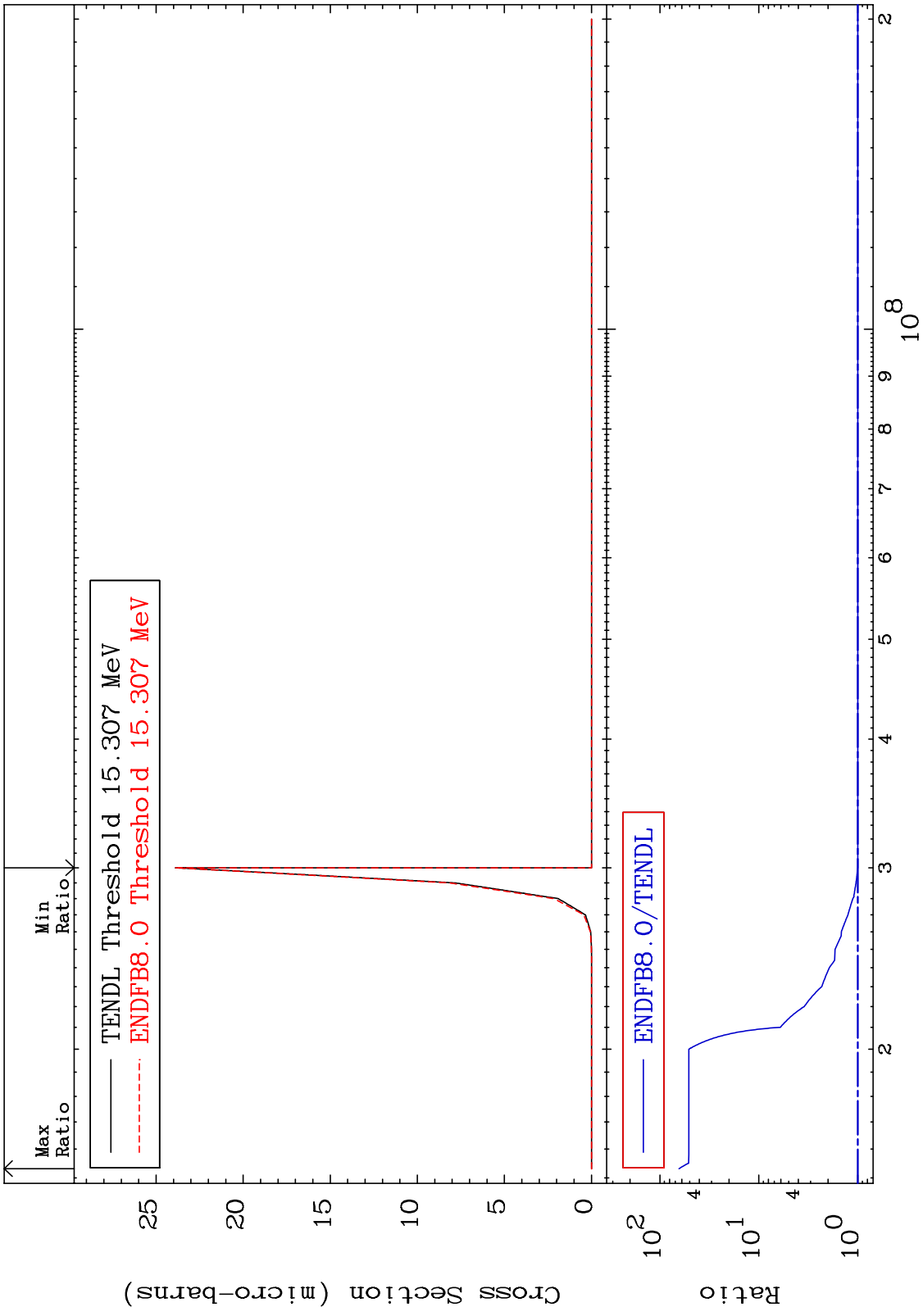
MAT 3634 (n,3n) p 36-Kr-81
Cross Section -0.399 To 1.738 %



MAT 3634 (n,2n) p 36-Kr-81
 Cross Section 0.000 To 2.902 %

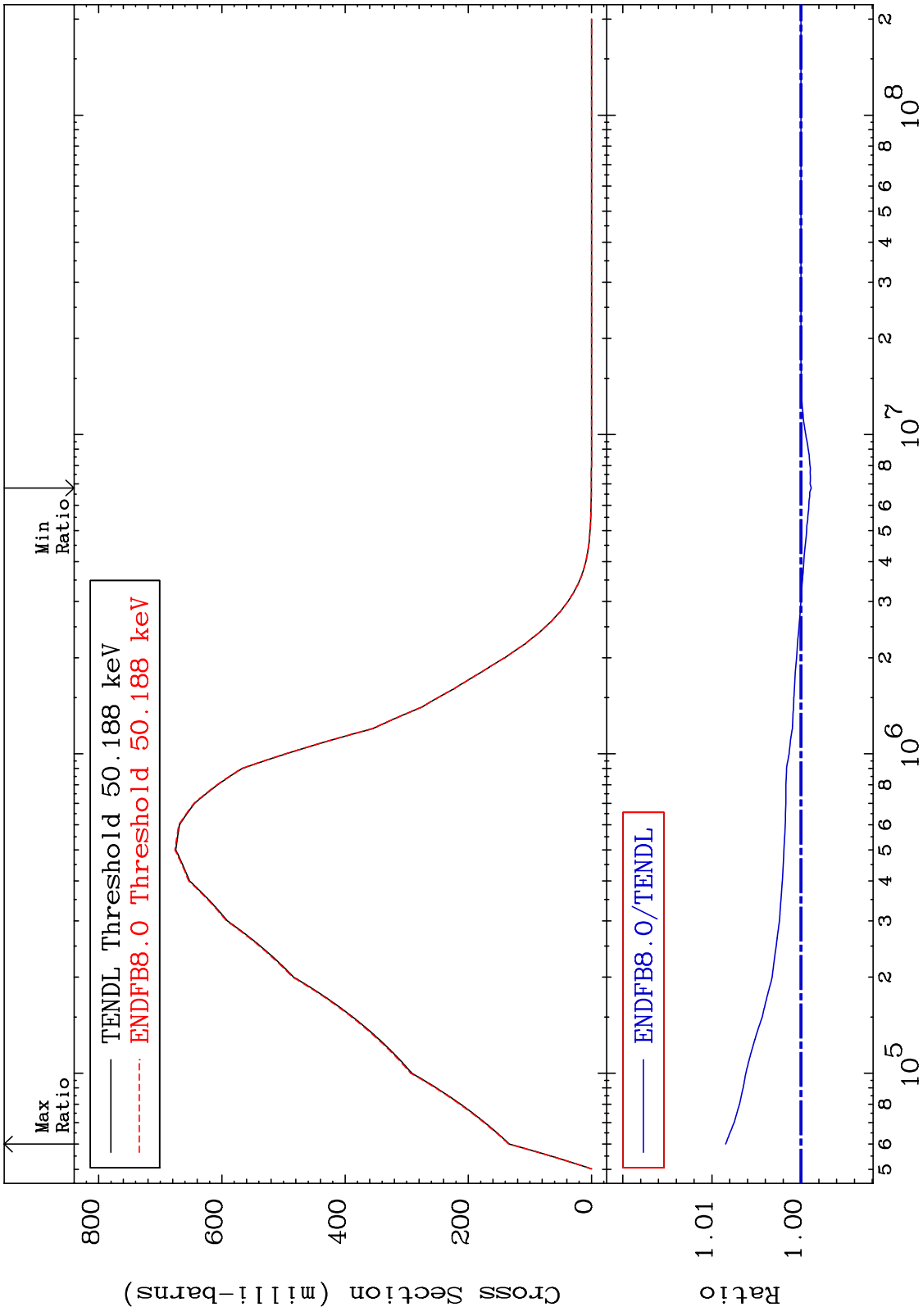


MAT 3634 (n,n') p α 36-Kr-81
Cross Section 0.000 To 6307. %

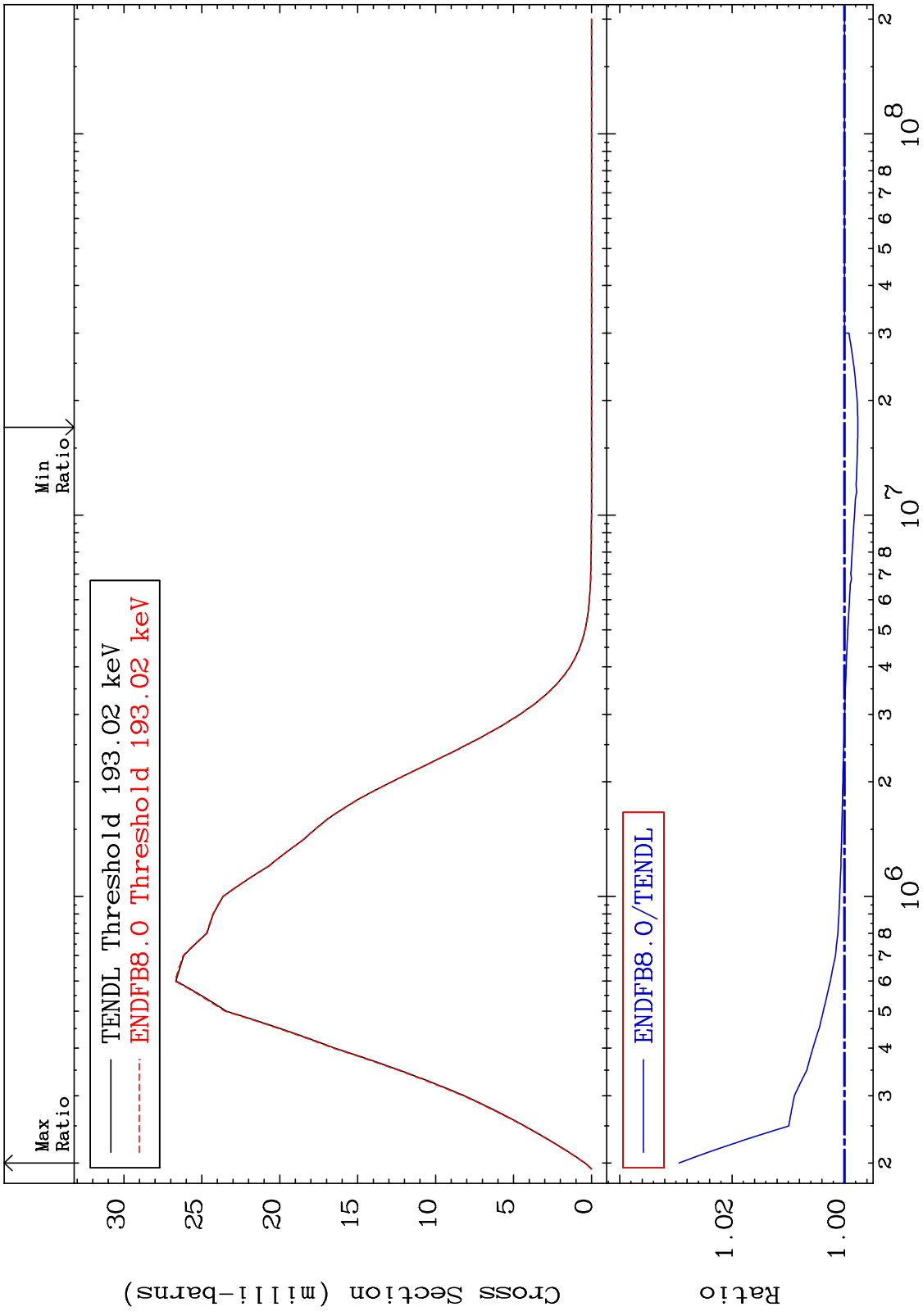


36-Kr-81

MAT 3634 MT= 51 (n,n') Level 36-Kr-81
 Cross Section -0.115 To 0.846 %

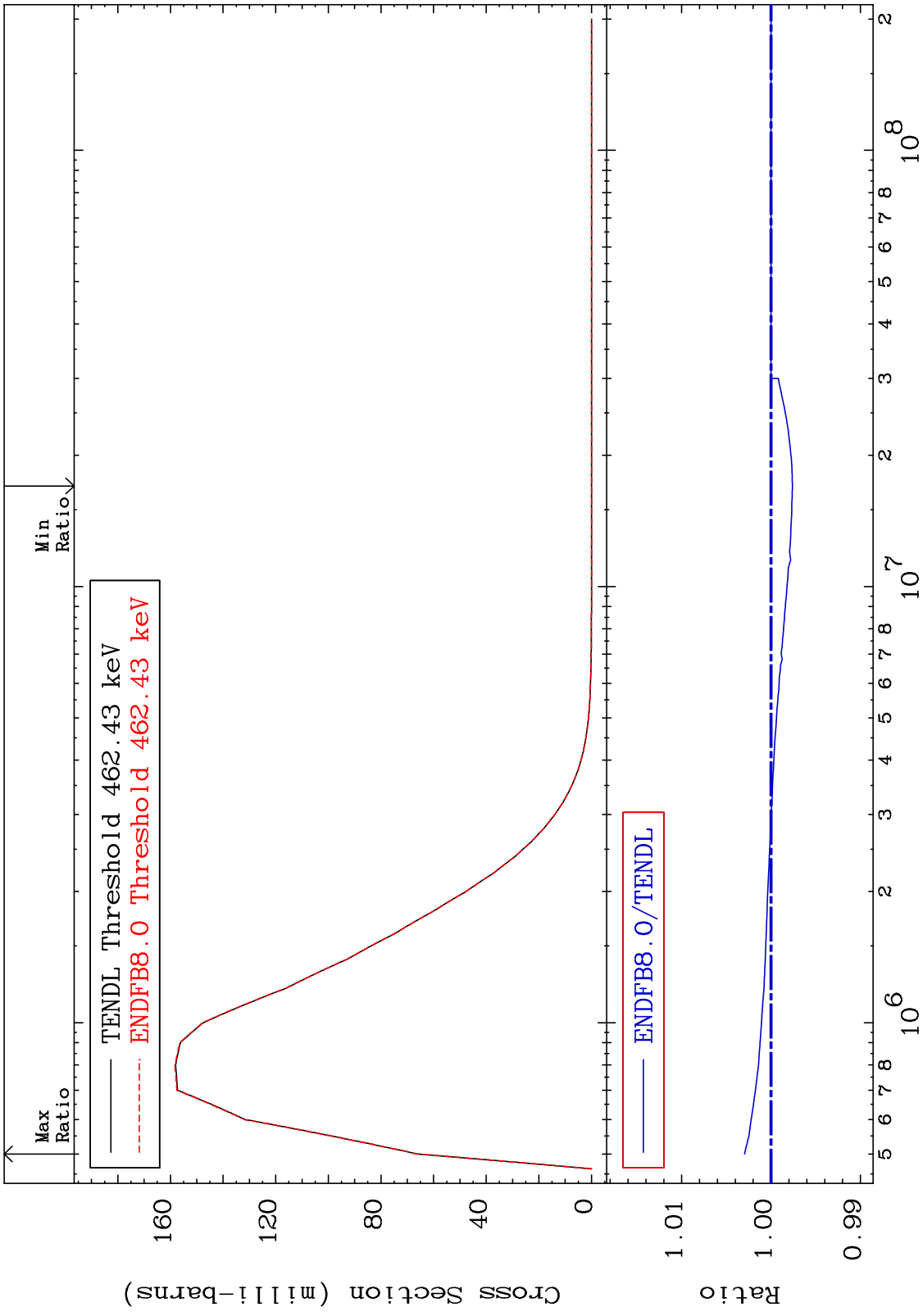


MAT 3634 MT= 52 (n,n') Level Cross Section -0.238 To 2.944 % 36-Kr-81

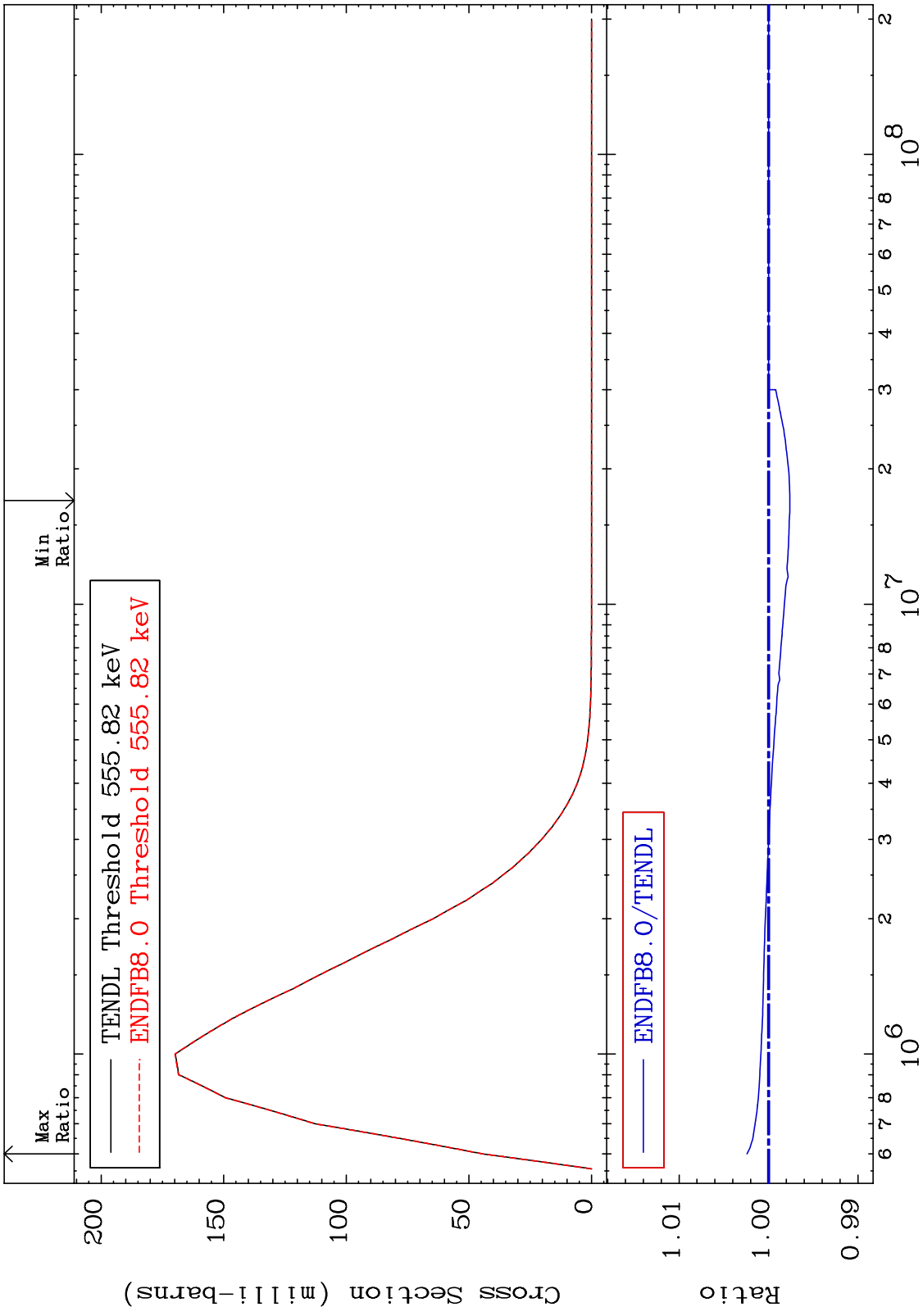


21 Incident Energy (eV) 36-Kr-81

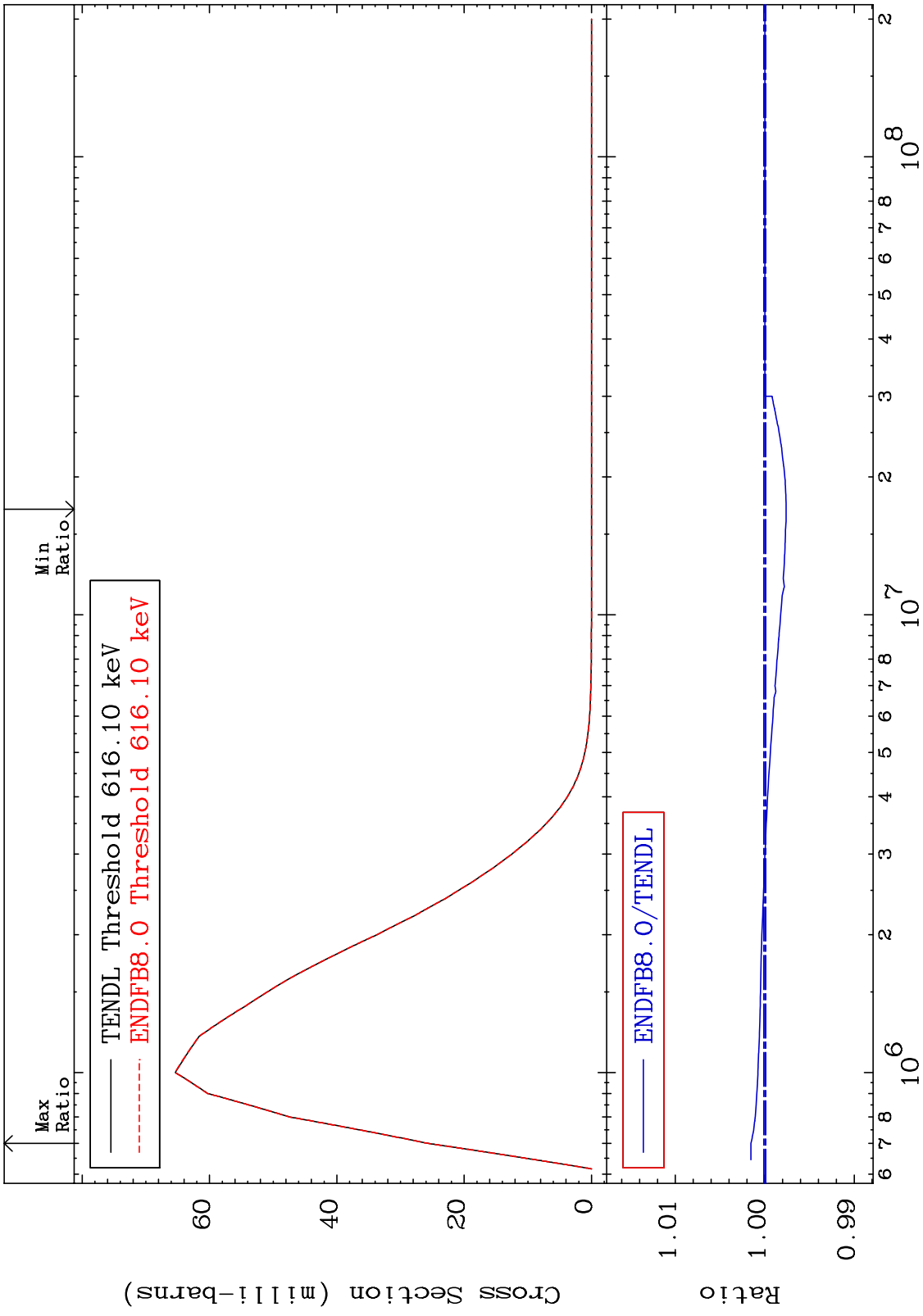
MAT 3634 MT= 53 (n,n') Level Cross Section -0.239 To 0.297 % 36-Kr-81



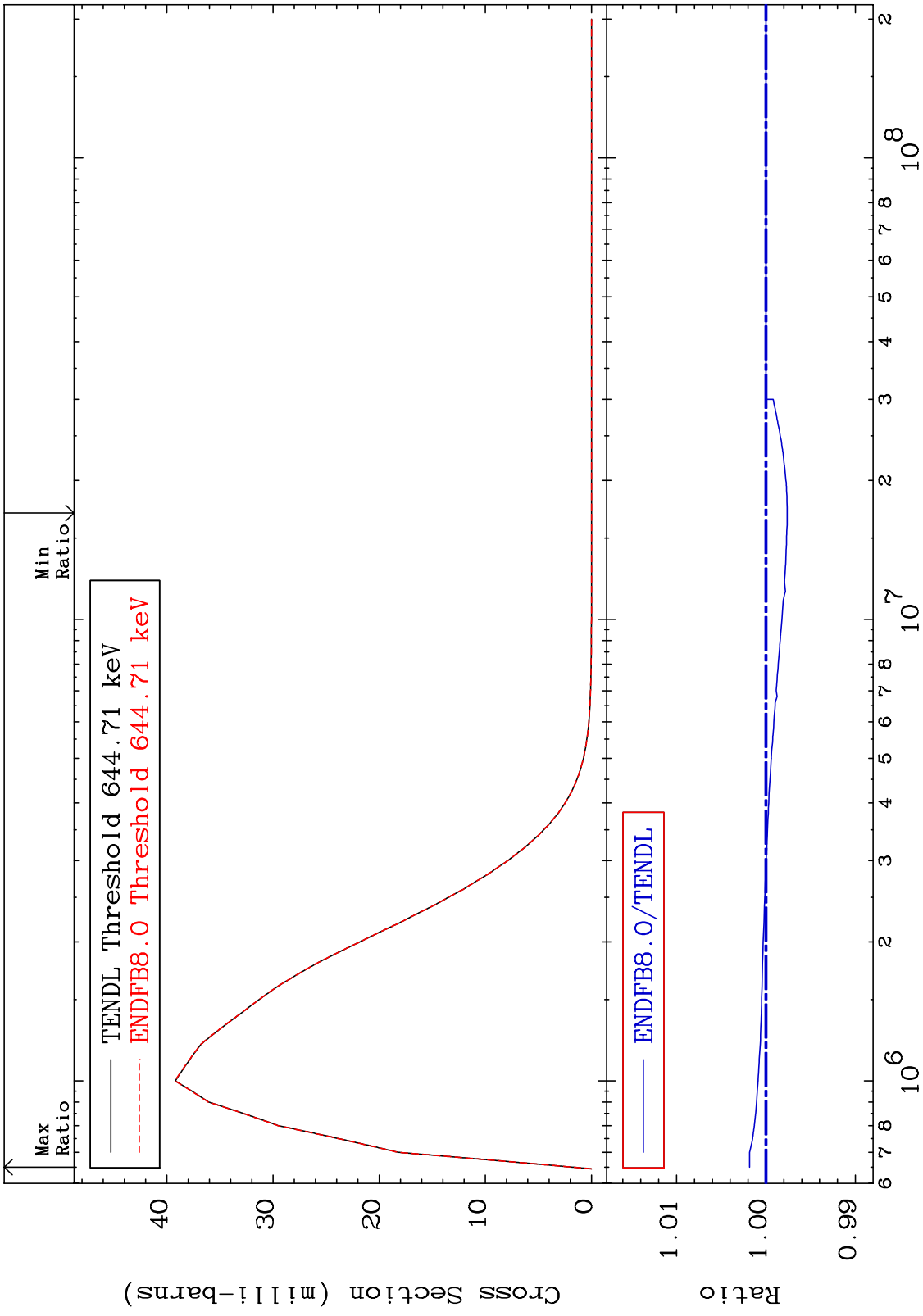
MAT 3634 MT= 54 (n,n') Level 36-Kr-81
 Cross Section -0.239 To 0.241 %



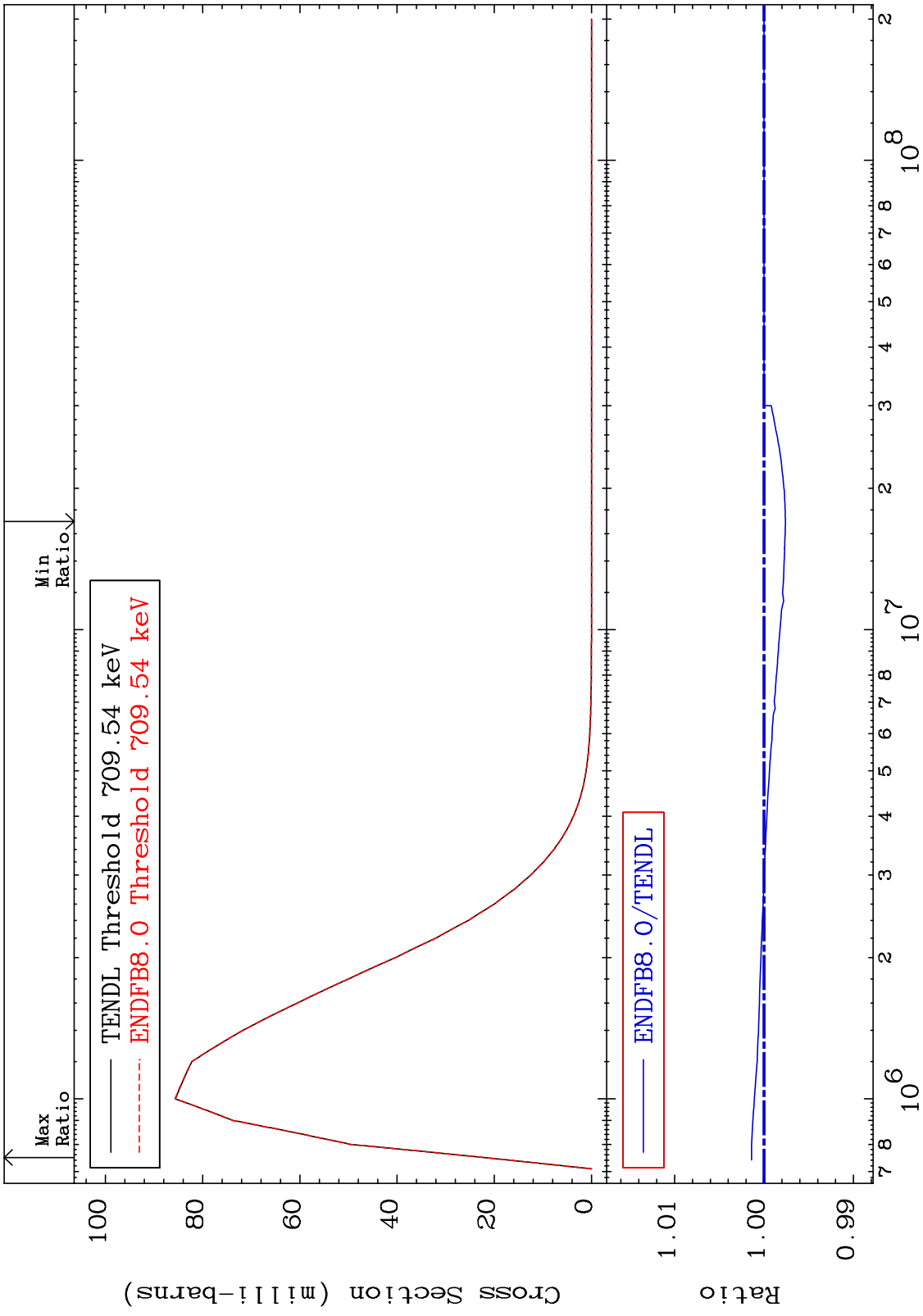
MAT 3634 MT= 55 (n,n') Level Cross Section -0.238 To 0.156 % 36-Kr-81



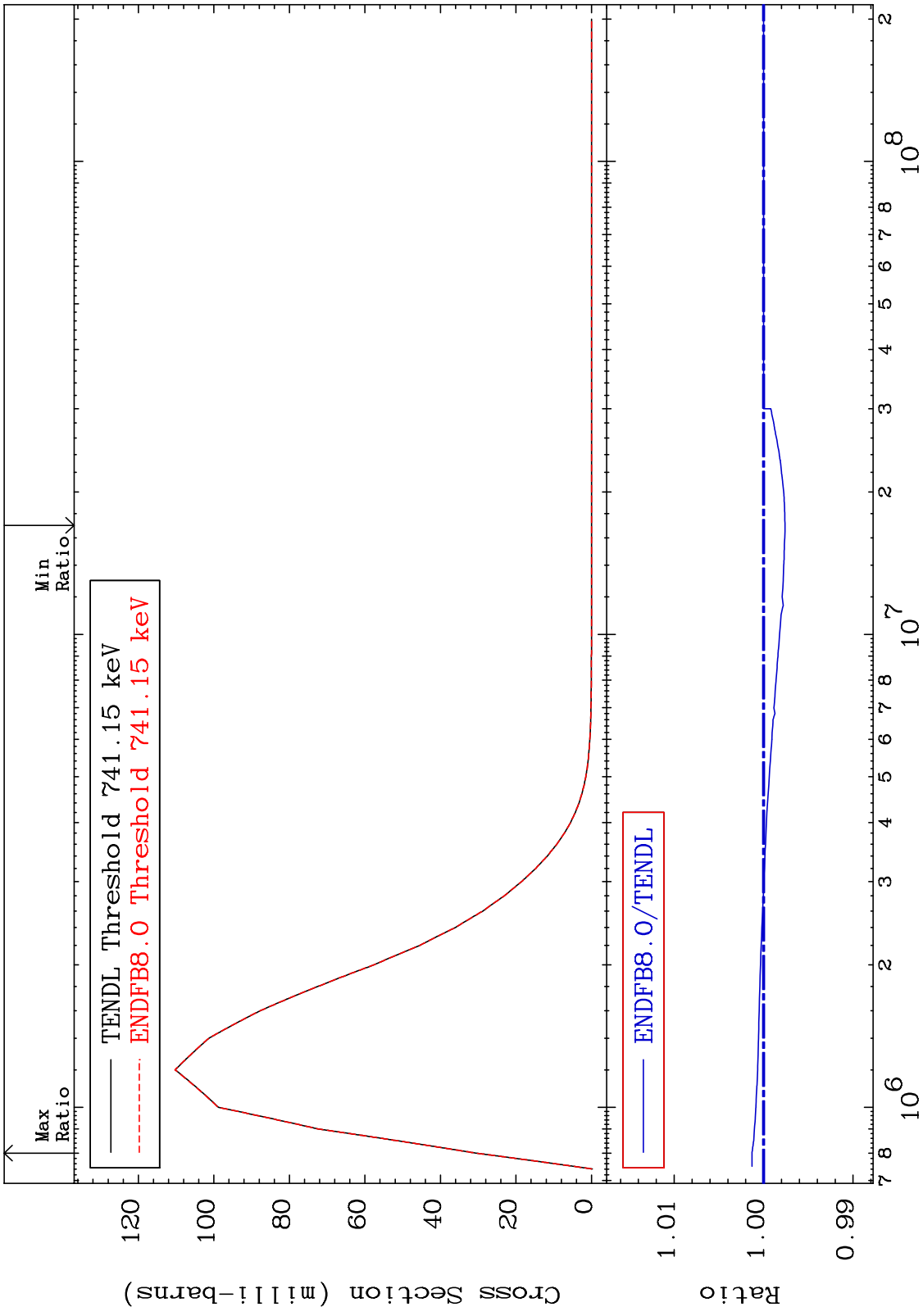
MAT 3634 MT= 56 (n,n') Level Cross Section 36-Kr-81
 -0.238 To 0.183 %



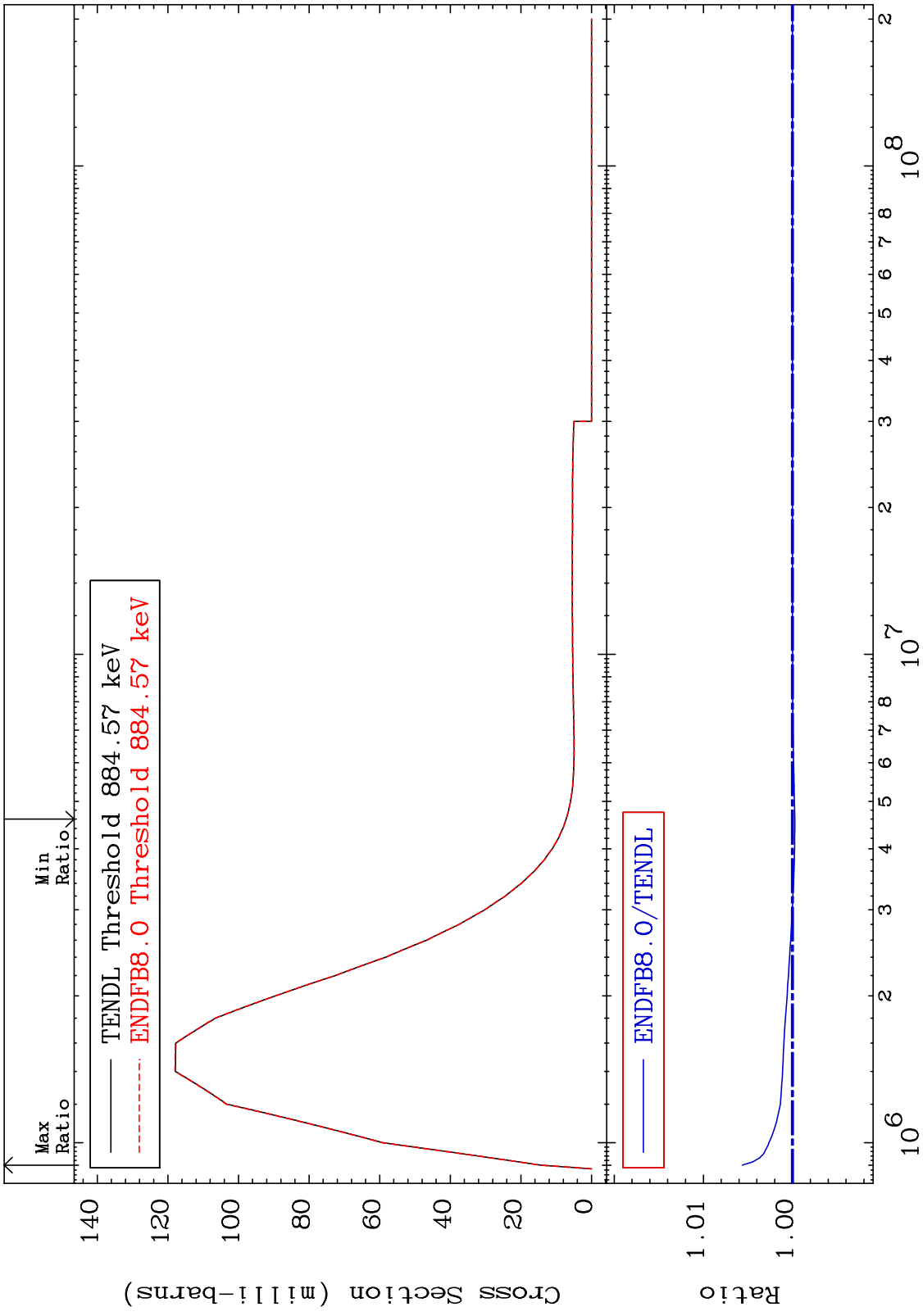
MAT 3634 MT= 57 (n,n') Level Cross Section 36-Kr-81
 -0.239 To 0.140 %



MAT 3634 MT= 58 (n,n') Level Cross Section -0.238 To 0.131 % 36-Kr-81



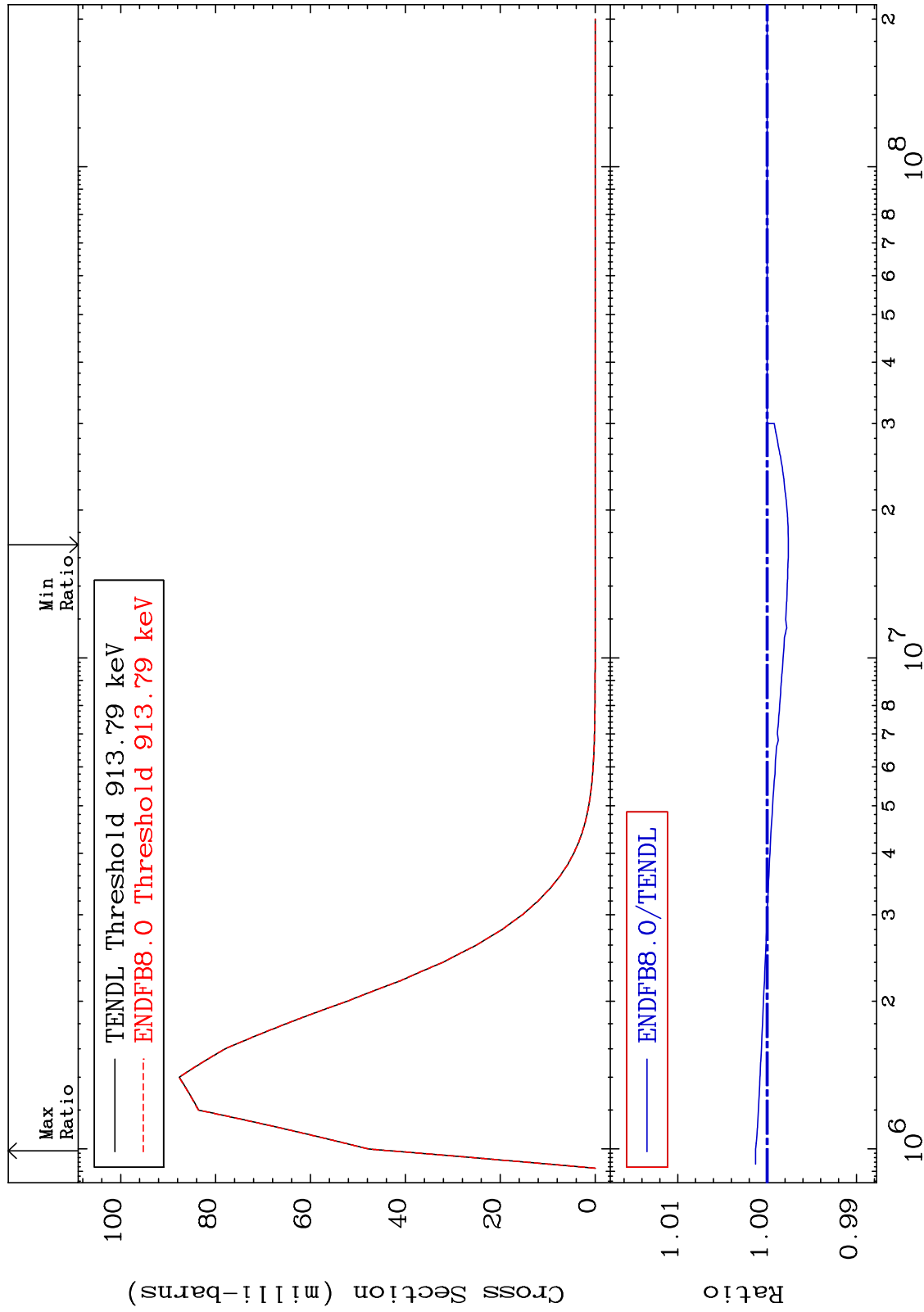
MAT 3634 MT= 59 (n,n') Level Cross Section -0.025 To 0.566 % 36-Kr-81



MAT 3634

MT= 60 (n,n') Level
Cross Section

36-Kr-81
-0.238 To 0.129 %

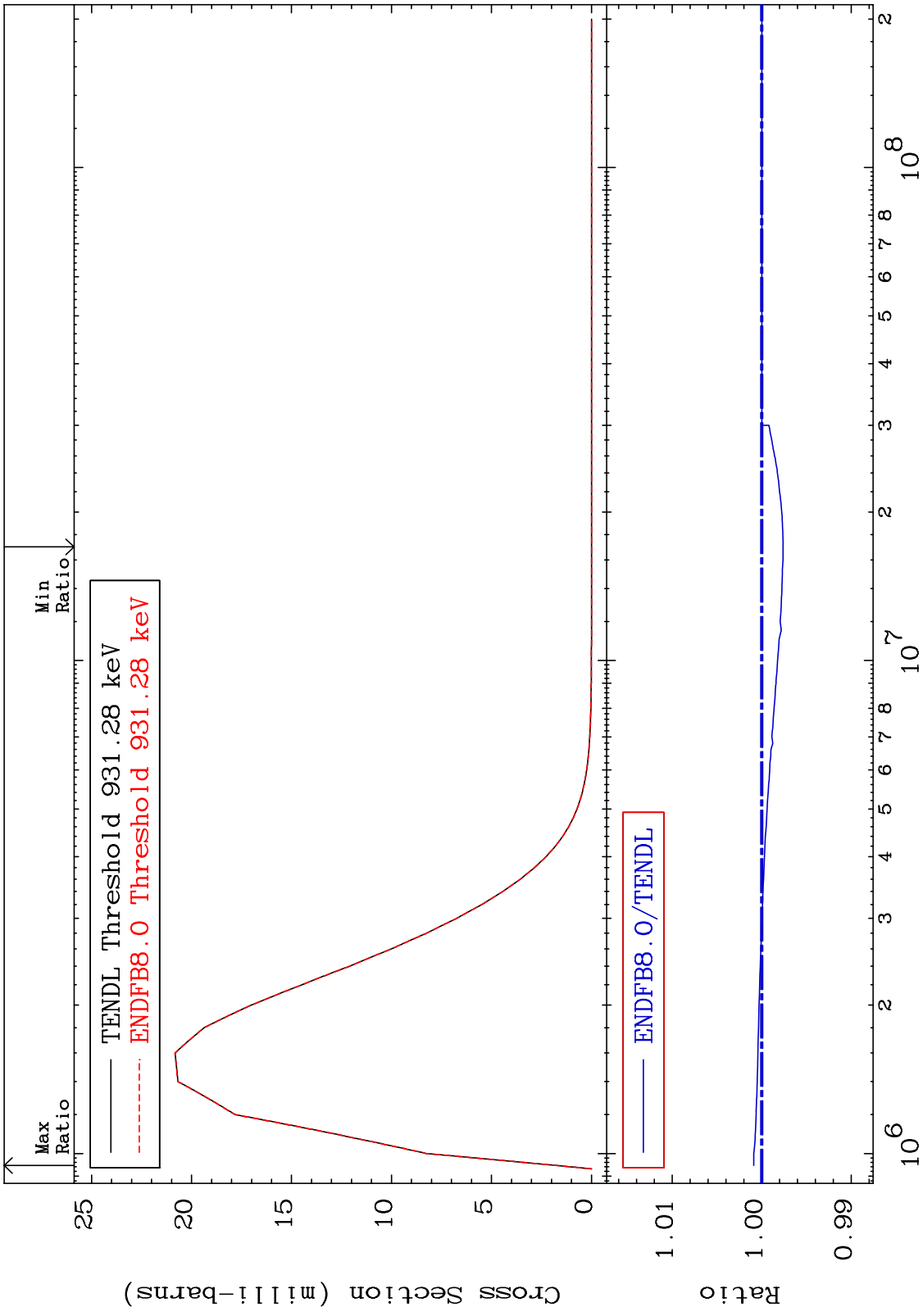


29

Incident Energy (eV)

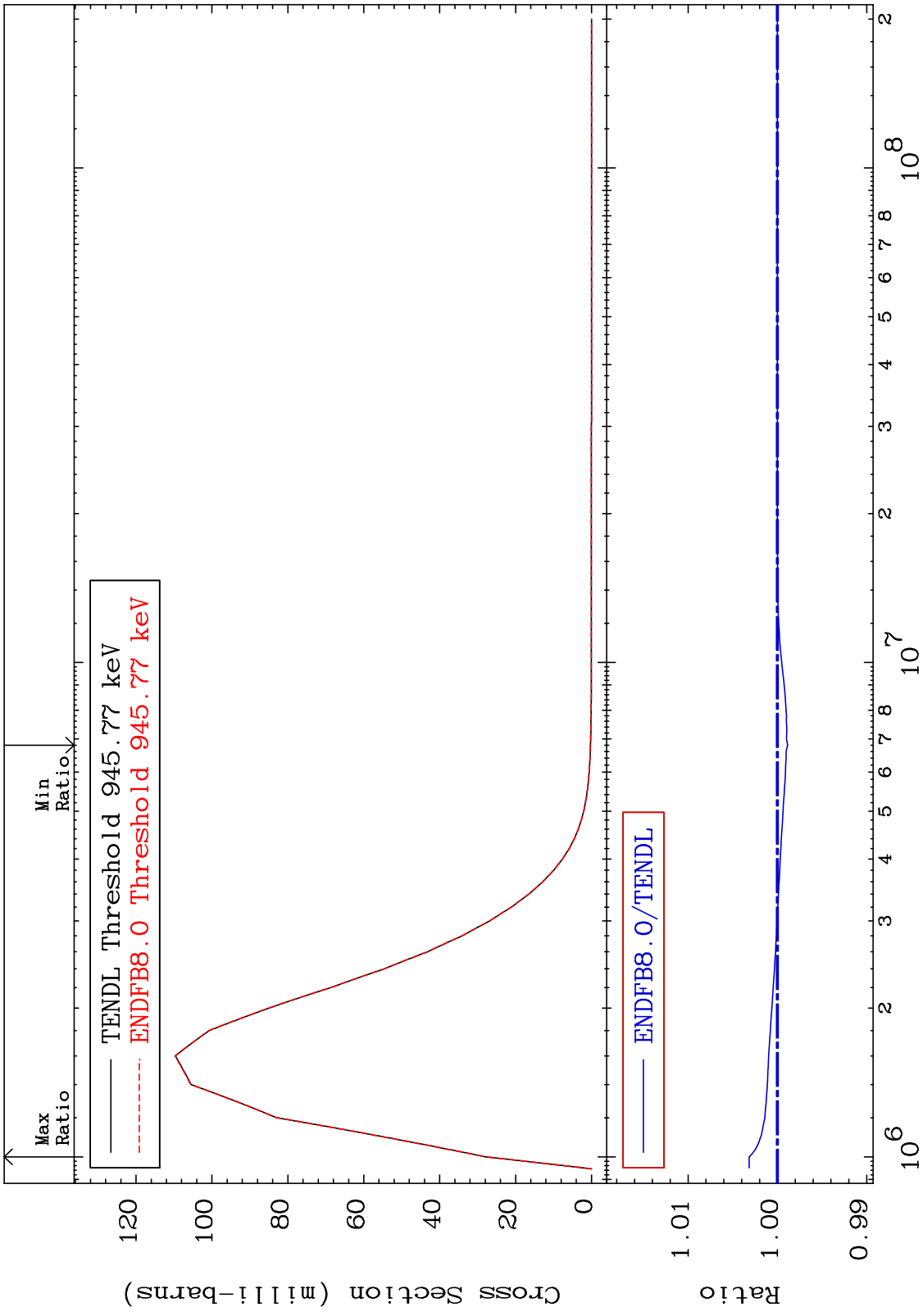
36-Kr-81

MAT 3634 MT= 61 (n,n') Level Cross Section 36-Kr-81
-0.239 To 0.088 %



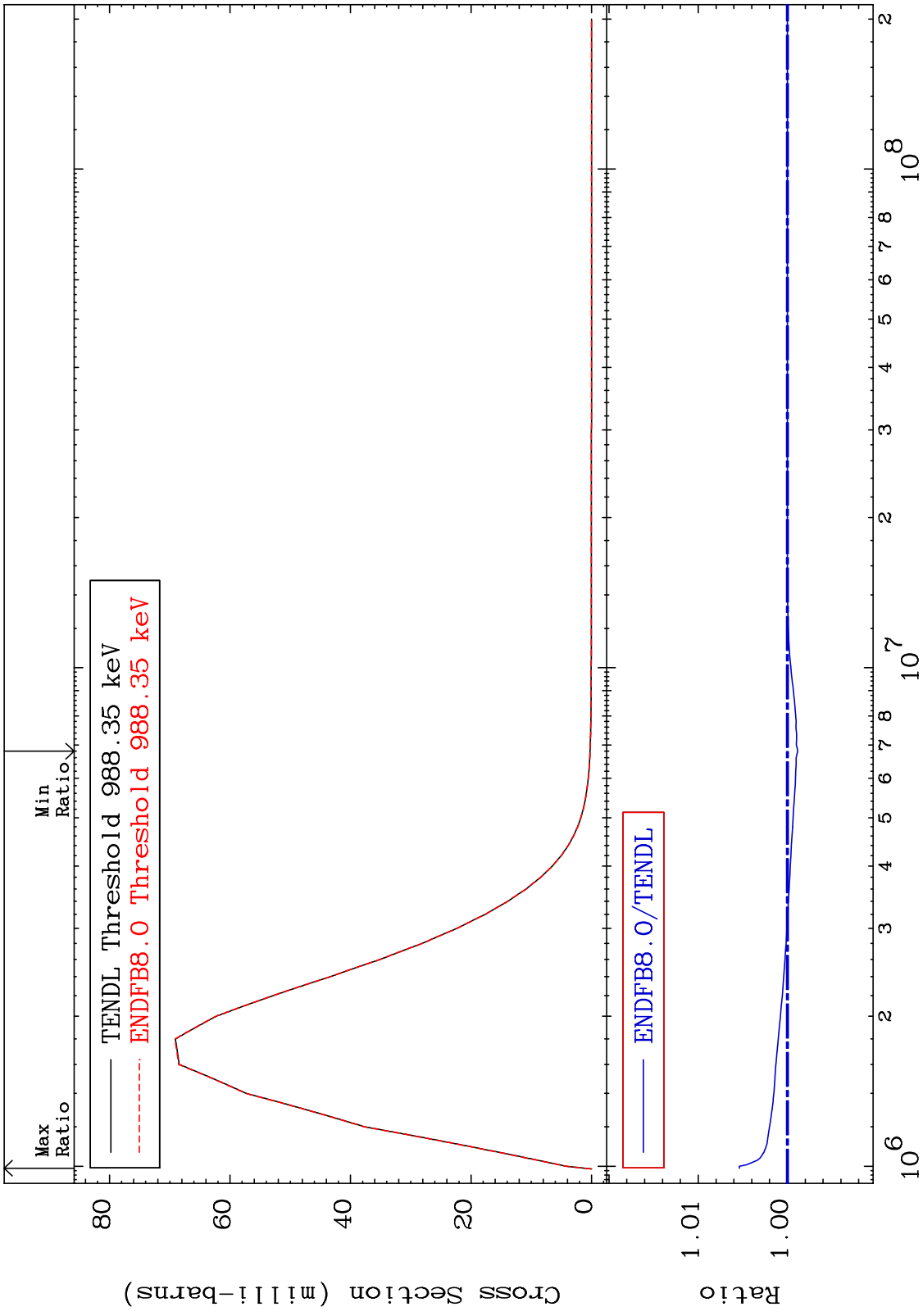
36-Kr-81

MAT 3634 MT= 62 (n,n') Level Cross Section 36-Kr-81
-0.115 To 0.315 %



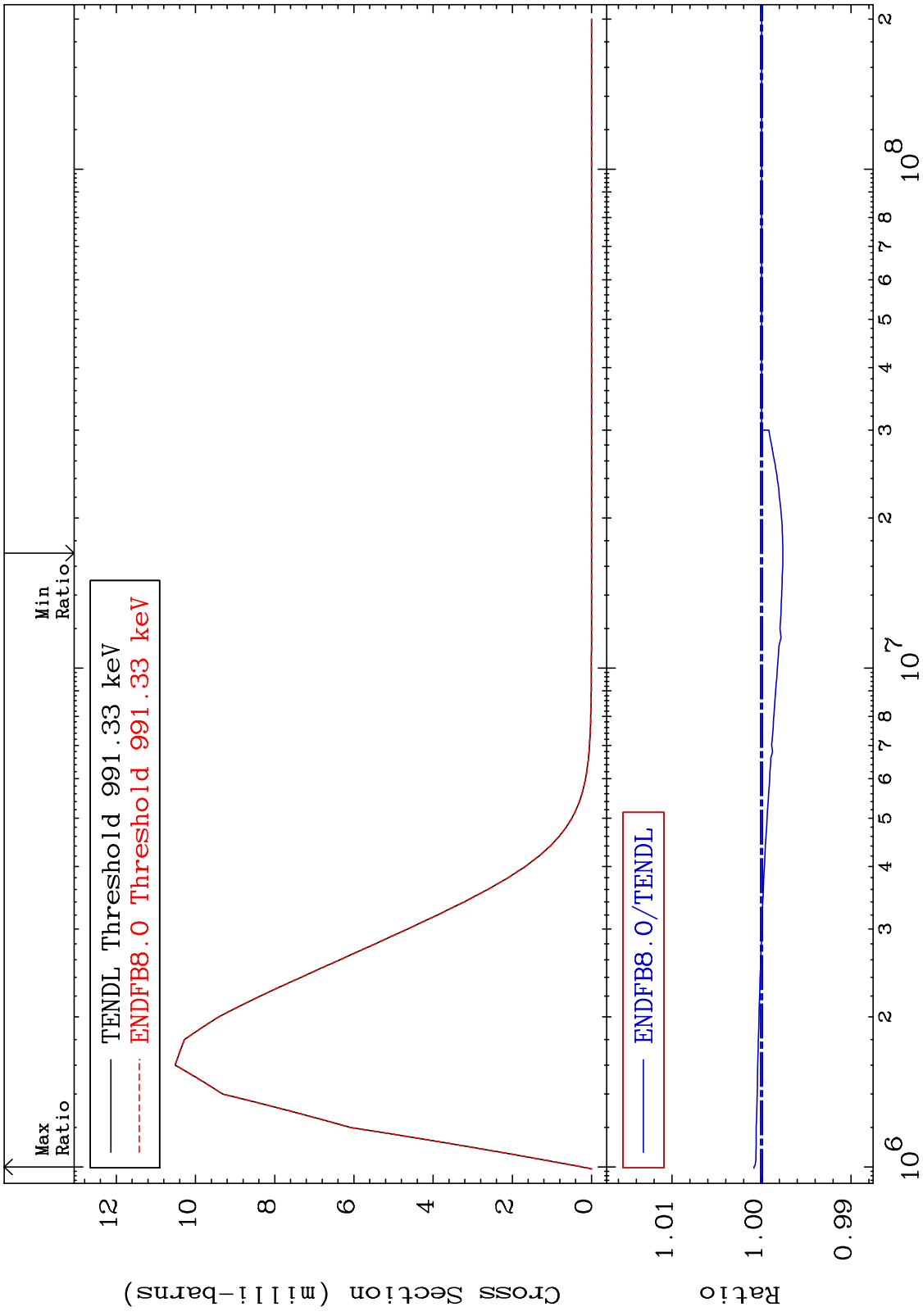
31 Incident Energy (eV) 36-Kr-81

MAT 3634 MT= 63 (n,n') Level Cross Section 36-Kr-81
-0.115 To 0.539 %

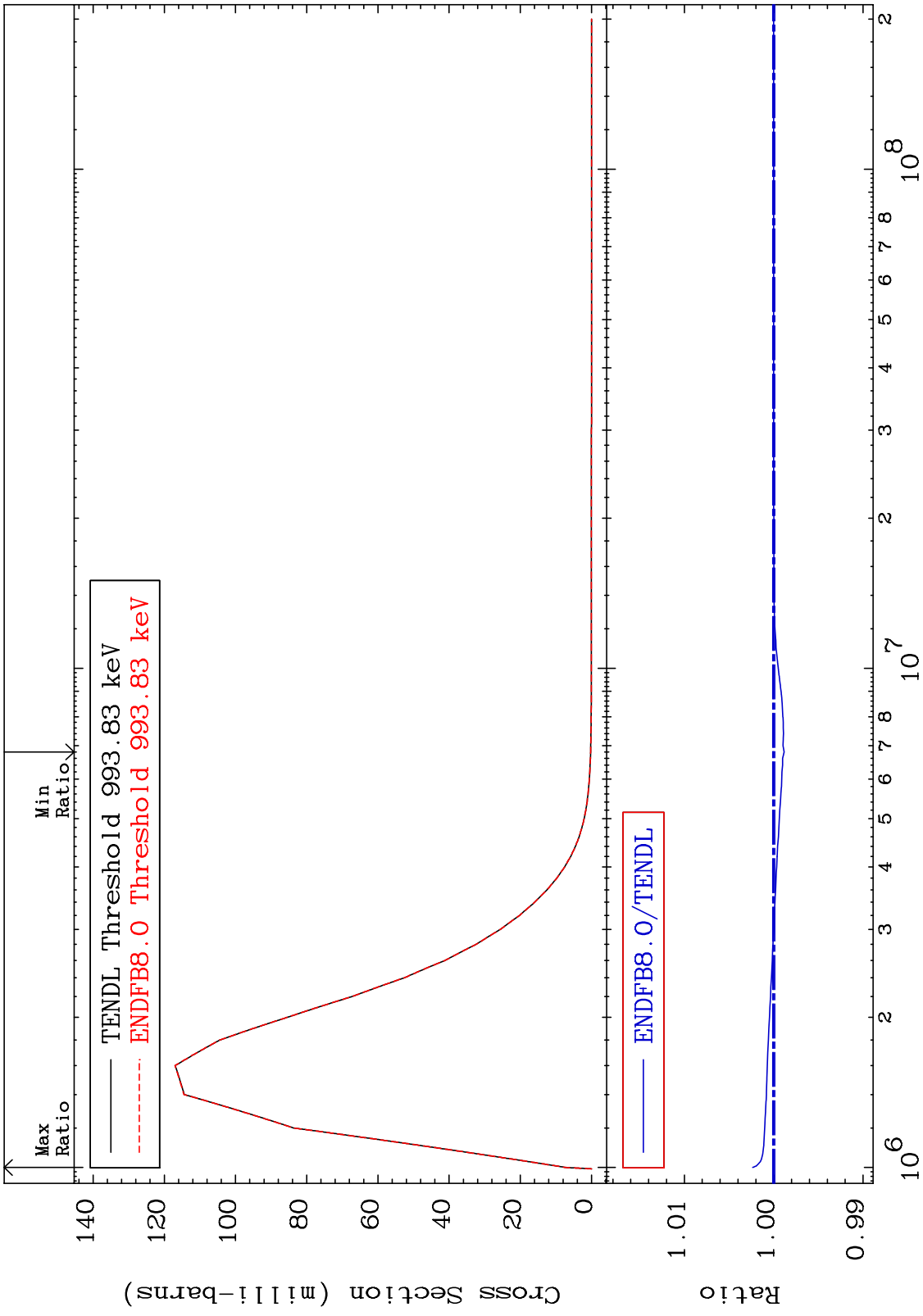


32 Incident Energy (eV) 36-Kr-81

MAT 3634 MT= 64 (n,n') Level Cross Section -0.239 To 0.084 % 36-Kr-81



MAT 3634 MT= 65 (n,n') Level Cross Section -0.118 To 0.236 % 36-Kr-81

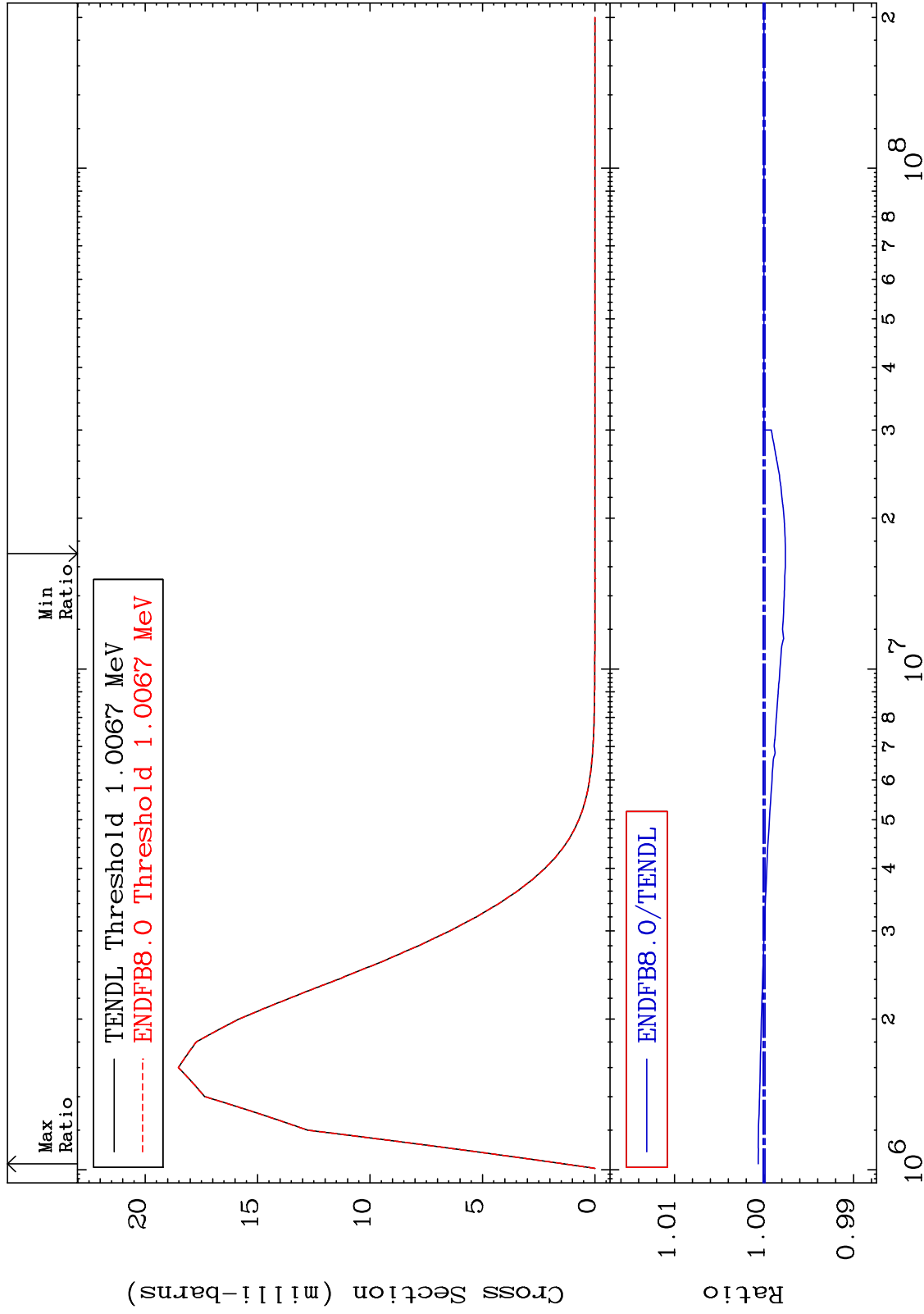


34 Incident Energy (eV) 36-Kr-81

MAT 3634

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

36-Kr-81
-0.238 To 0.063 %

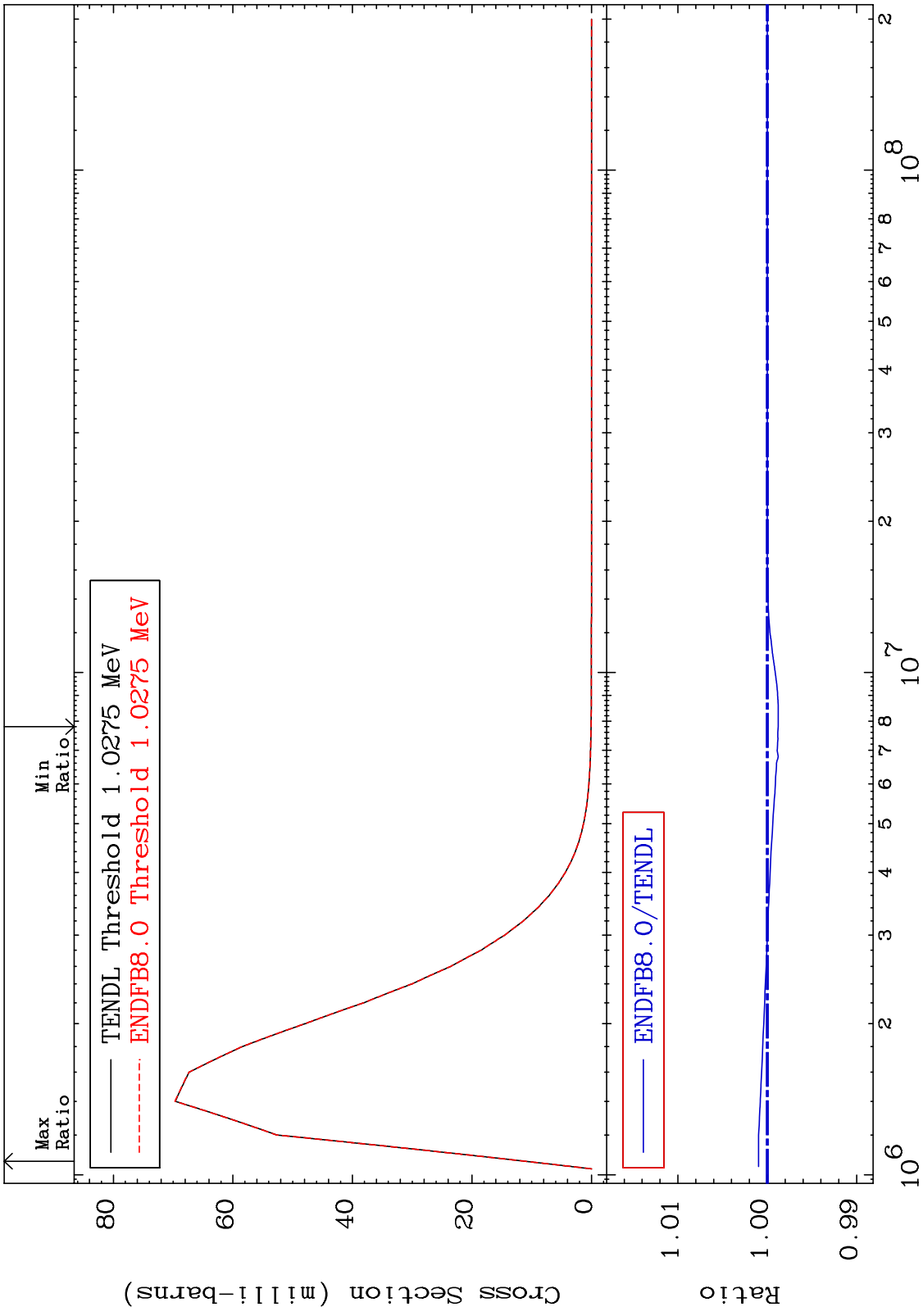


35

Incident Energy (eV)

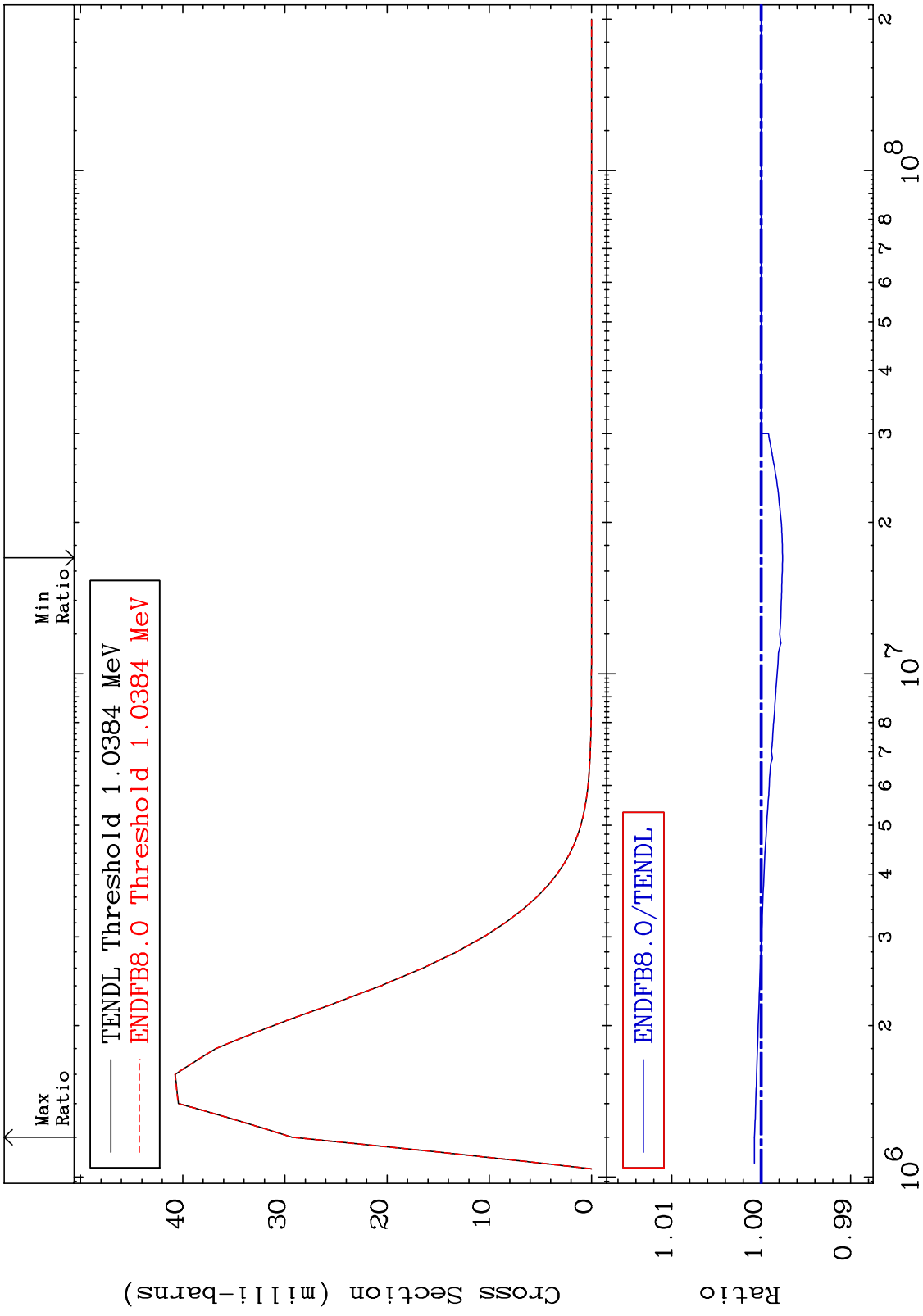
36-Kr-81

MAT 3634 MT= 67 (n,n') Level Cross Section 36-Kr-81
-0.122 To 0.097 %



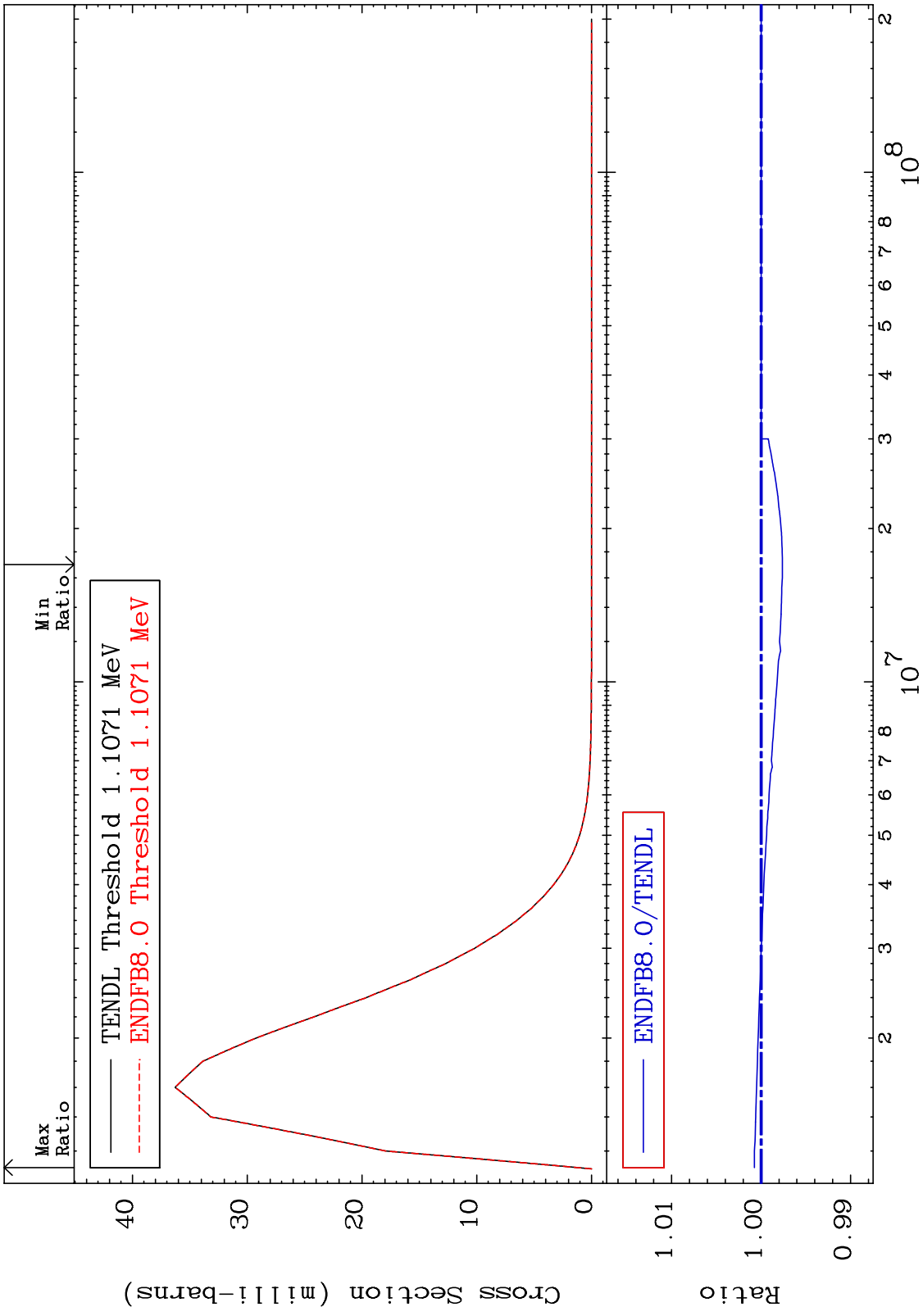
36 36-Kr-81

MAT 3634 MT= 68 (n,n') Level Cross Section 36-Kr-81
 -0.238 To 0.076 %

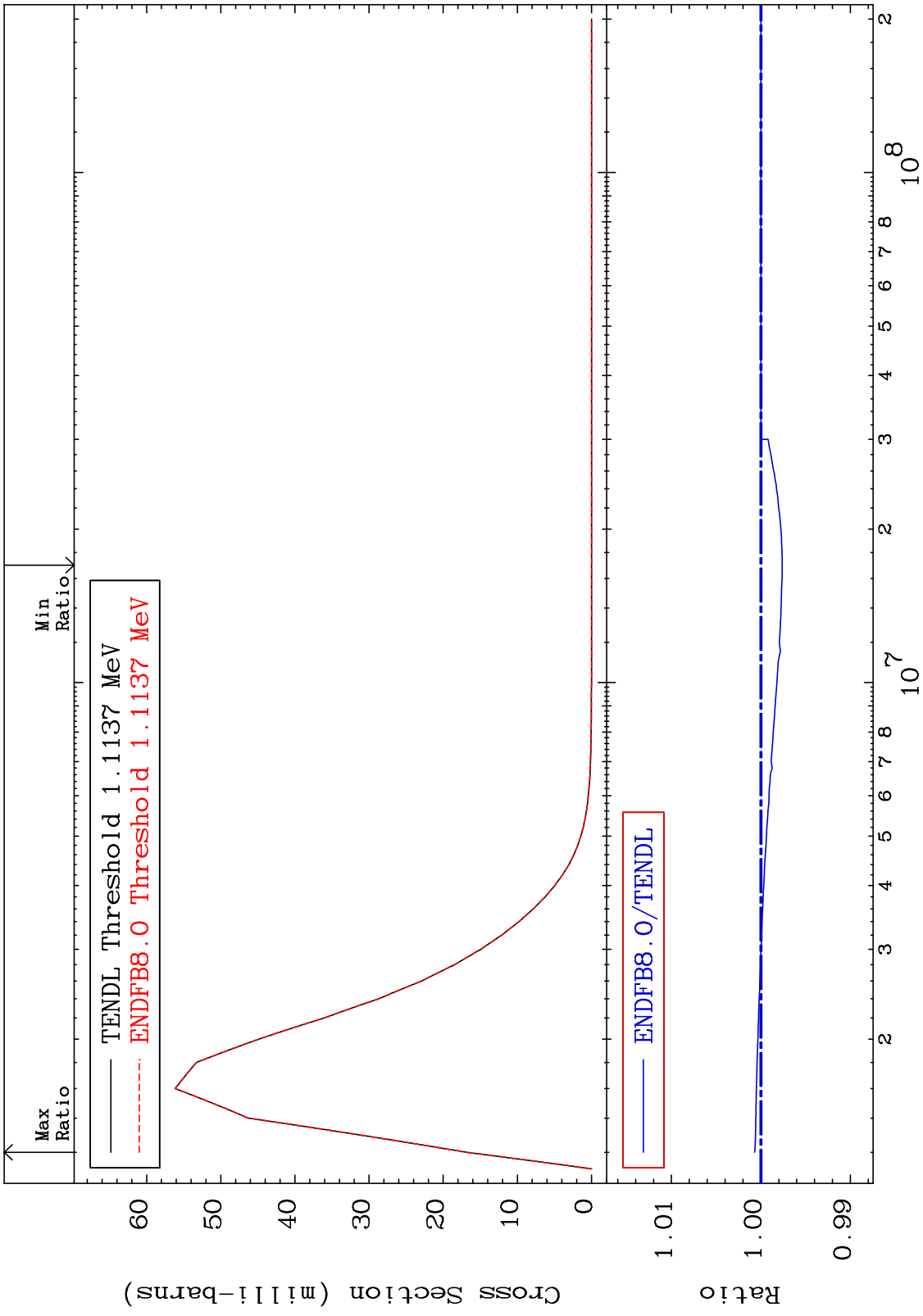


37 36-Kr-81

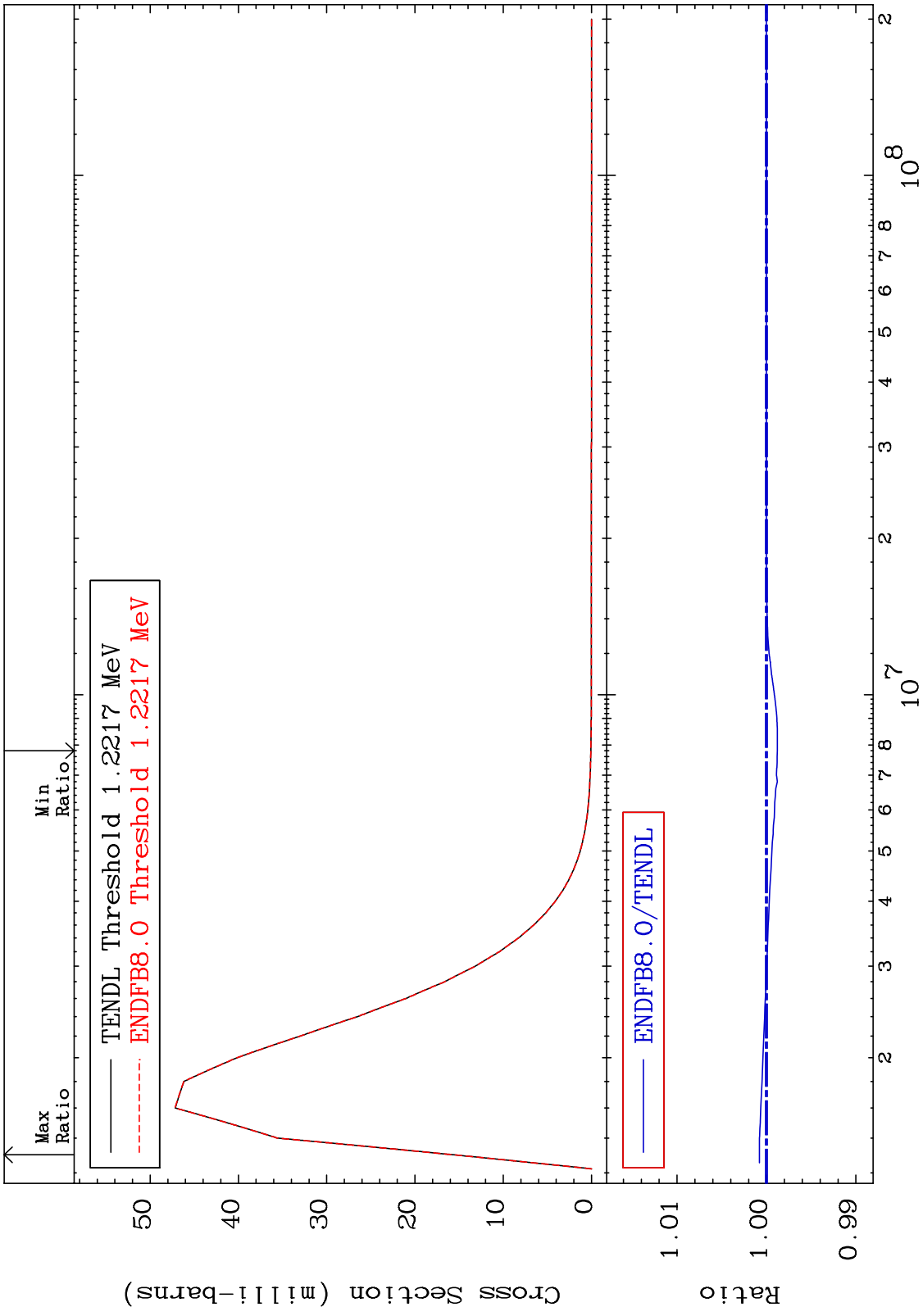
MAT 3634 MT= 69 (n,n') Level Cross Section -0.239 To 0.074 % 36-Kr-81



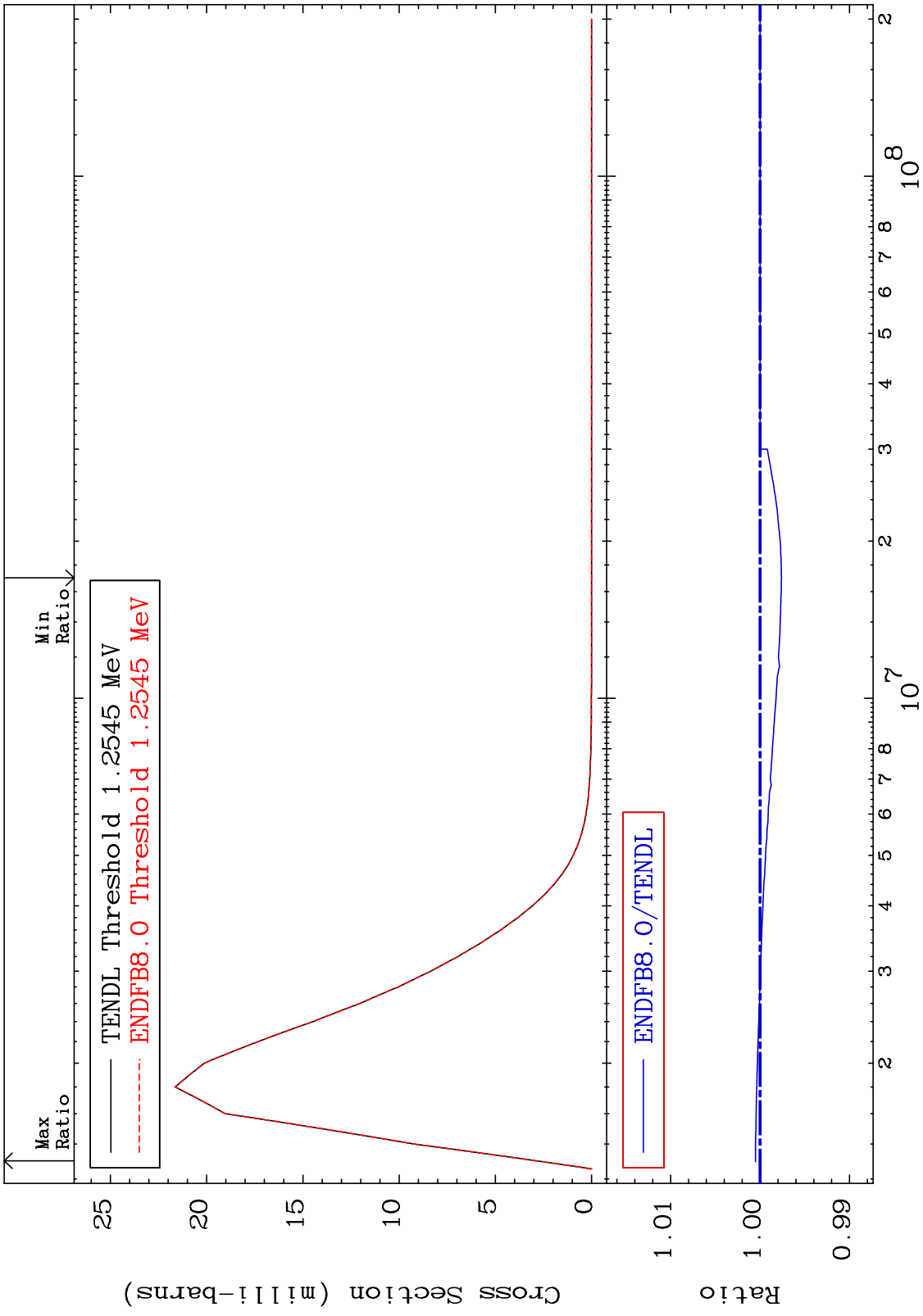
MAT 3634 MT= 70 (n,n') Level Cross Section 36-Kr-81
 -0.239 To 0.069 %



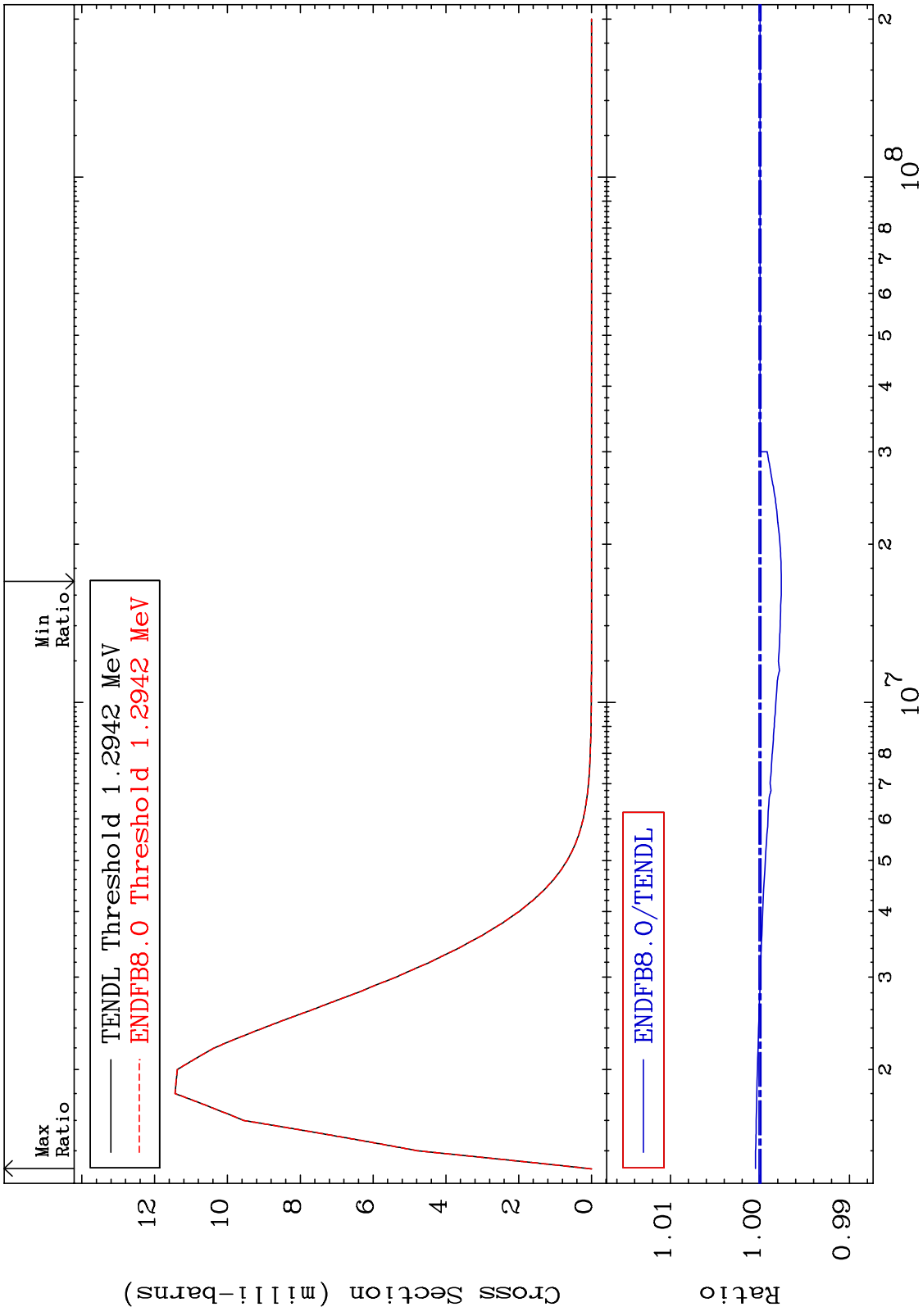
MAT 3634 MT= 71 (n,n') Level Cross Section 36-Kr-81
-0.123 To 0.079 %



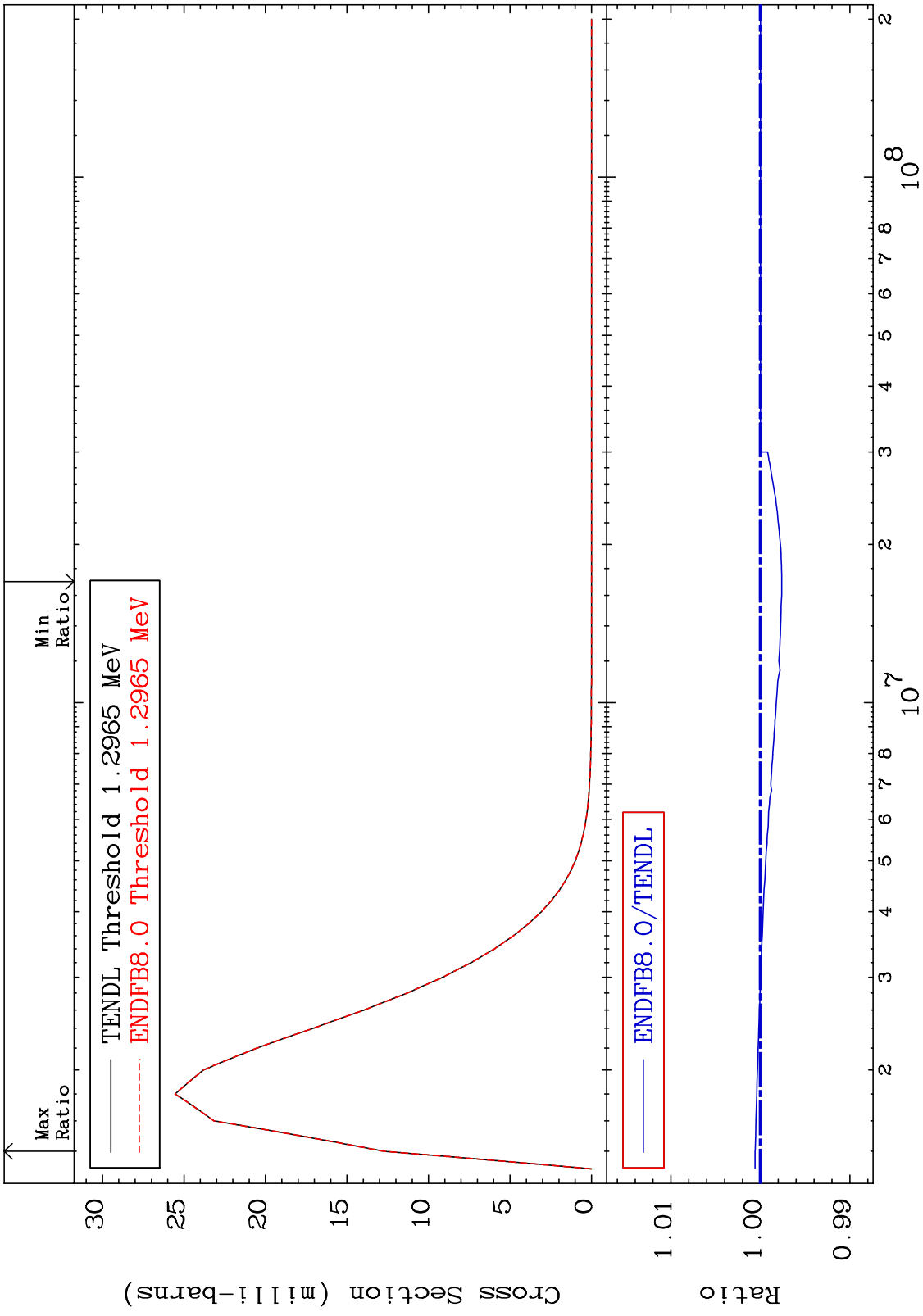
MAT 3634 MT= 72 (n,n') Level Cross Section -0.238 To 0.051 % 36-Kr-81



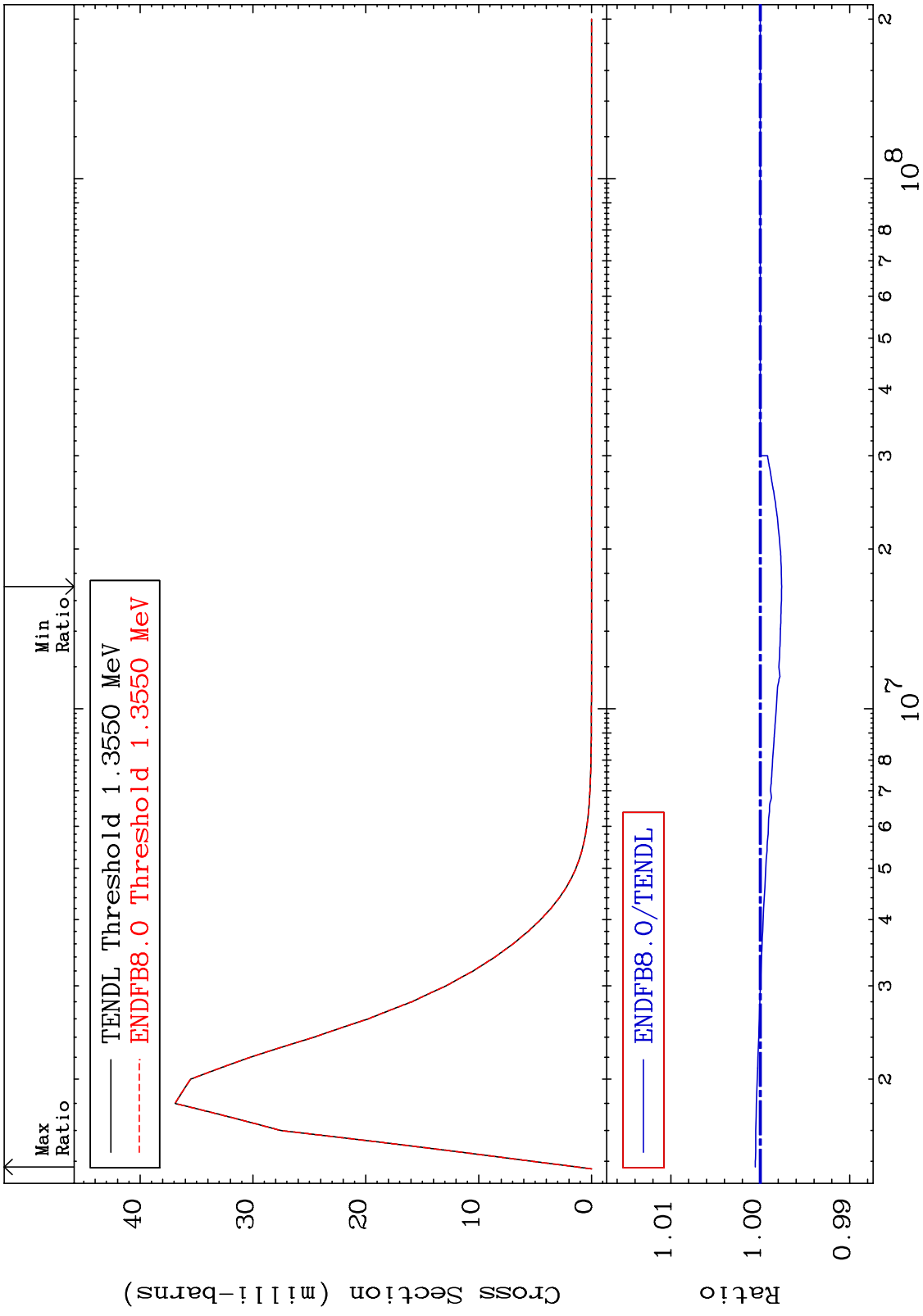
MAT 3634 MT= 73 (n,n') Level Cross Section -0.239 To 0.049 % 36-Kr-81



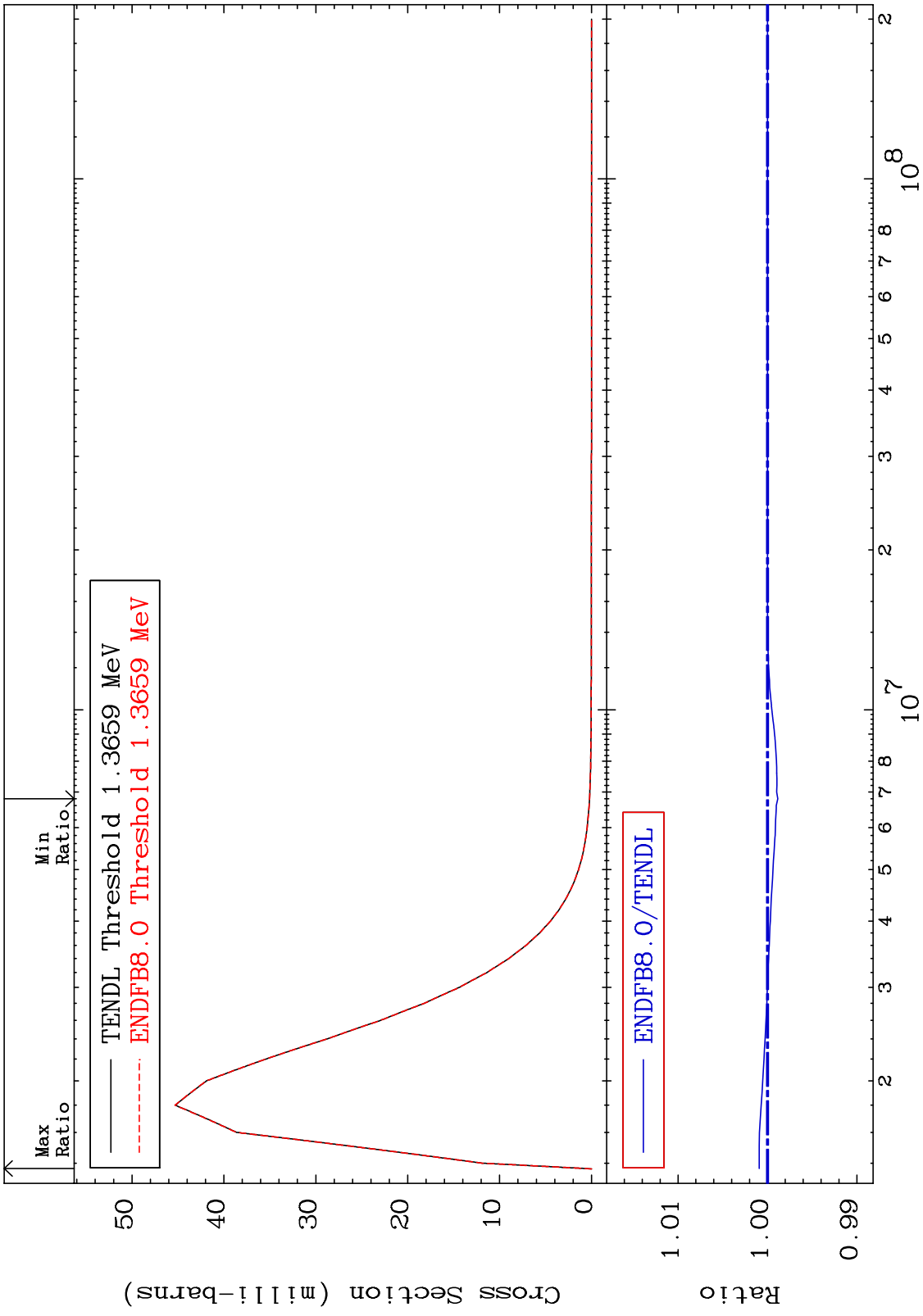
MAT 3634 MT= 74 (n,n') Level Cross Section 36-Kr-81
 -0.238 To 0.059 %



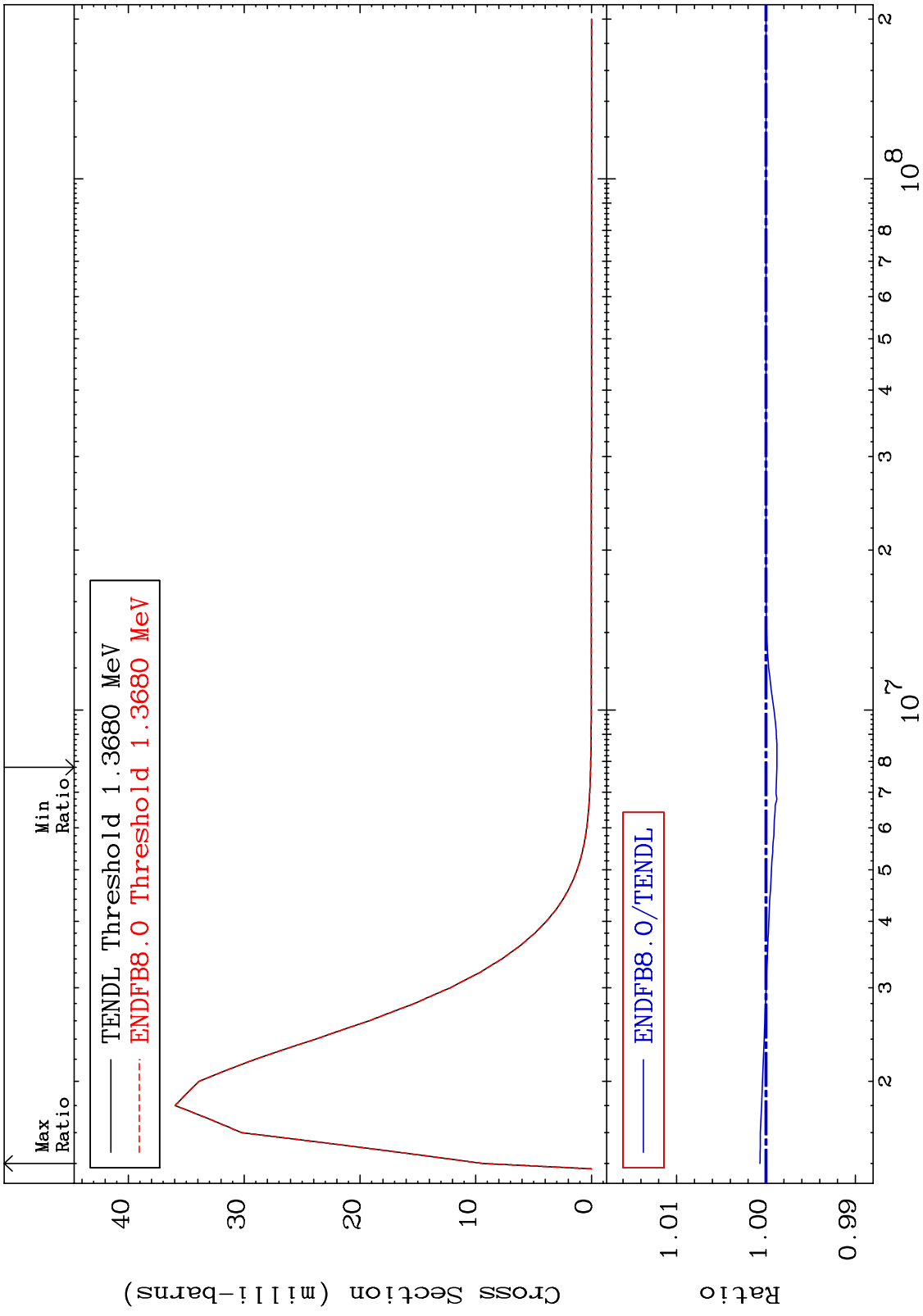
MAT 3634 MT= 75 (n,n') Level Cross Section 36-Kr-81
 -0.238 To 0.056 %



MAT 3634 MT= 76 (n,n') Level Cross Section 36-Kr-81
 -0.115 To 0.093 %



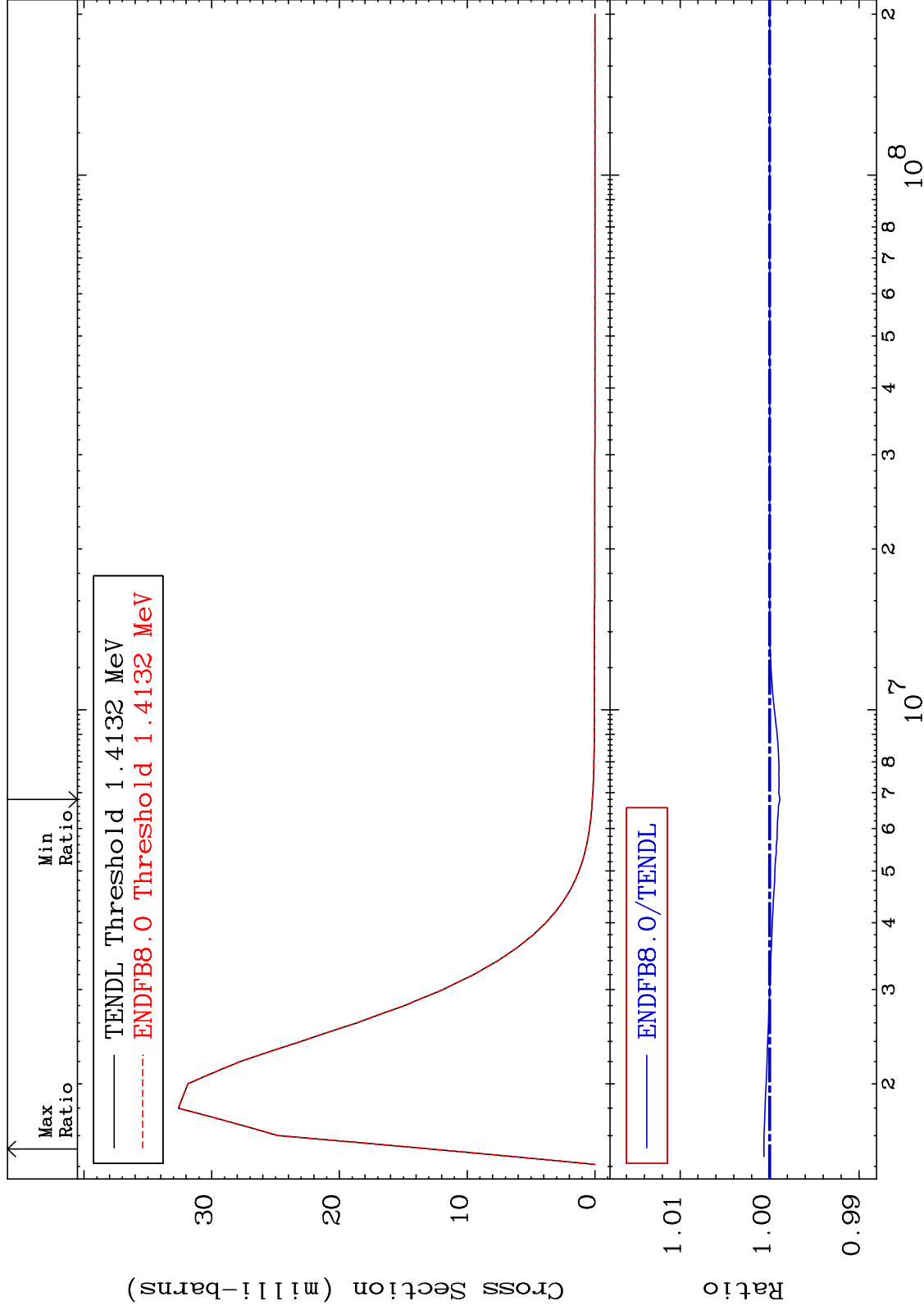
MAT 3634 MT= 77 (n,n') Level Cross Section 36-Kr-81
 -0.123 To 0.068 %



MAT 3634

MT= 78 (n,n') Level
Cross Section

36-Kr-81
-0.115 To 0.063 %



47

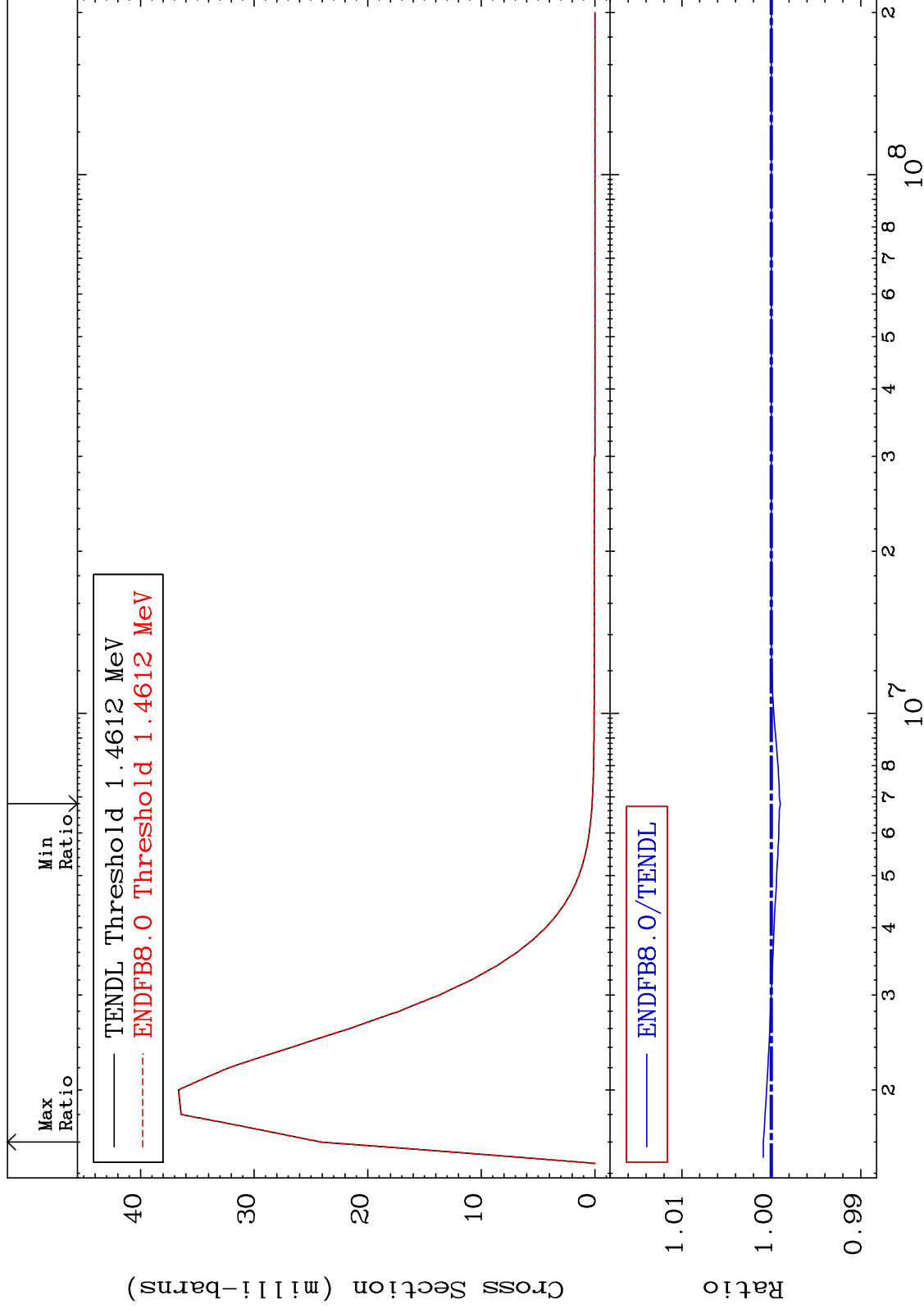
36-Kr-81

36-Kr-81

MAT 3634

MT= 79 (n,n') Level
Cross Section

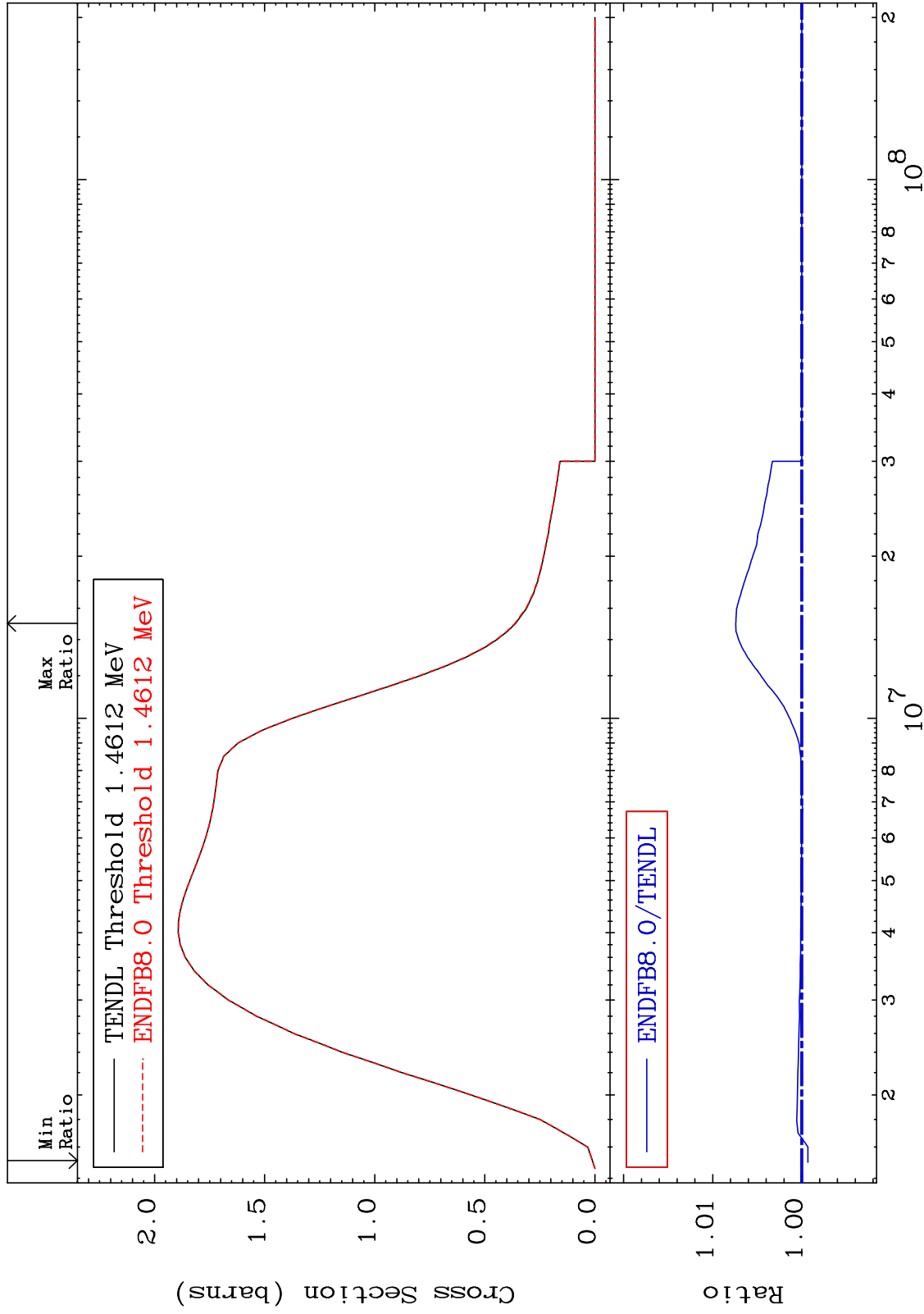
36-Kr-81
-0.102 To 0.088 %



MAT 3634

(n, n') Continuum
Cross Section

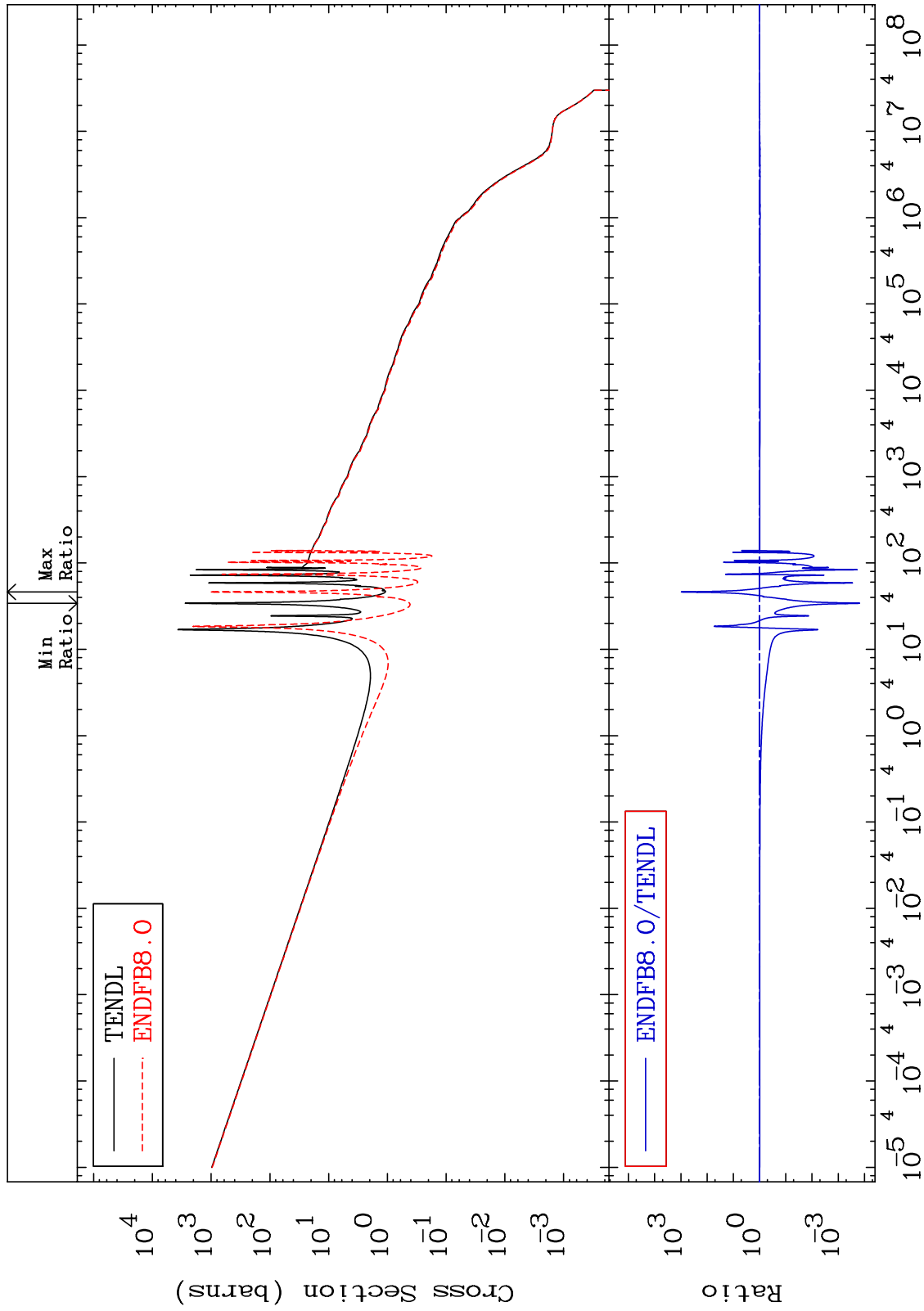
36-Kr-81
-0.069 To 0.742 %



MAT 3634

(n, γ) Cross Section

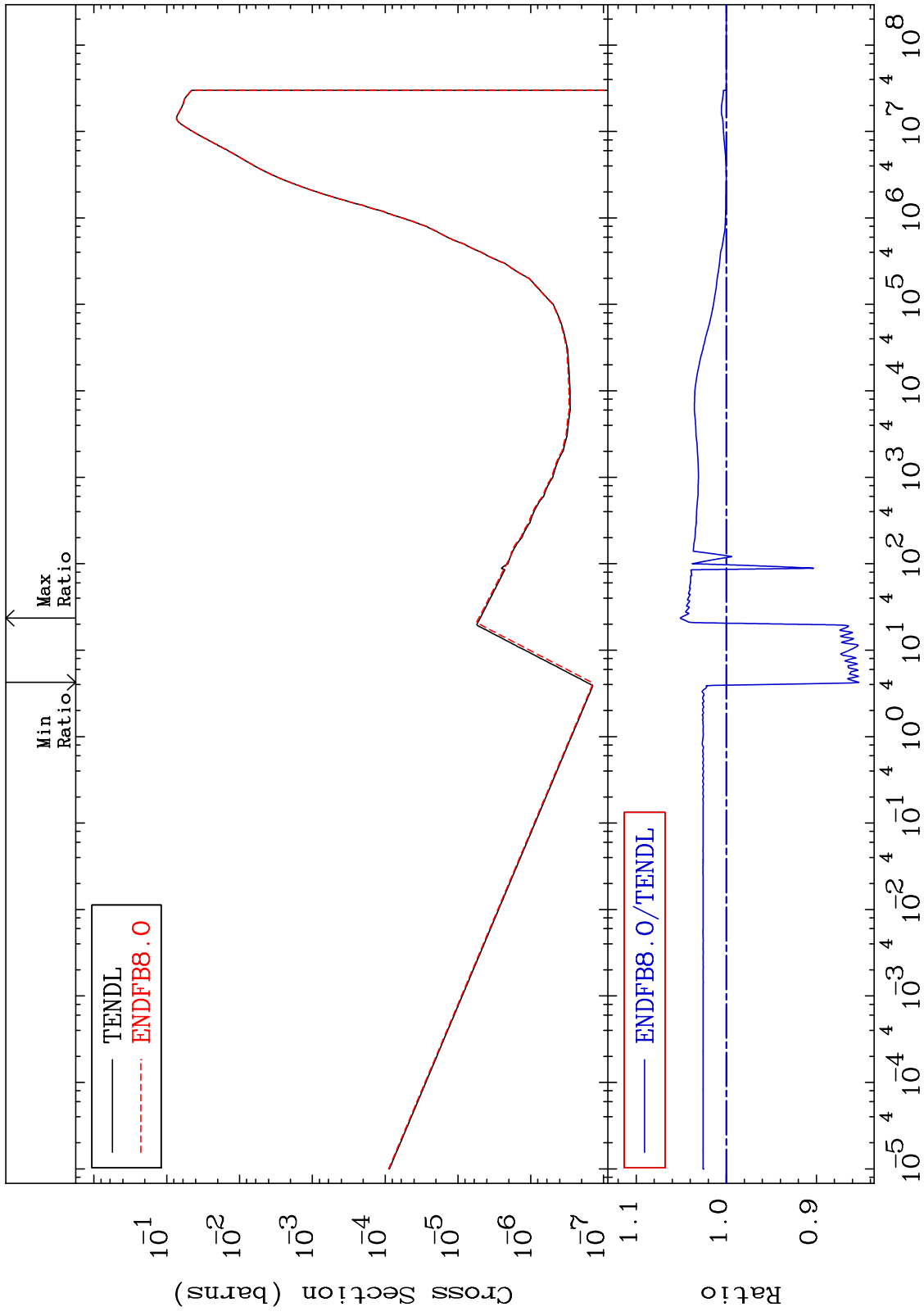
36-Kr-81
-99.98 To 9999. %



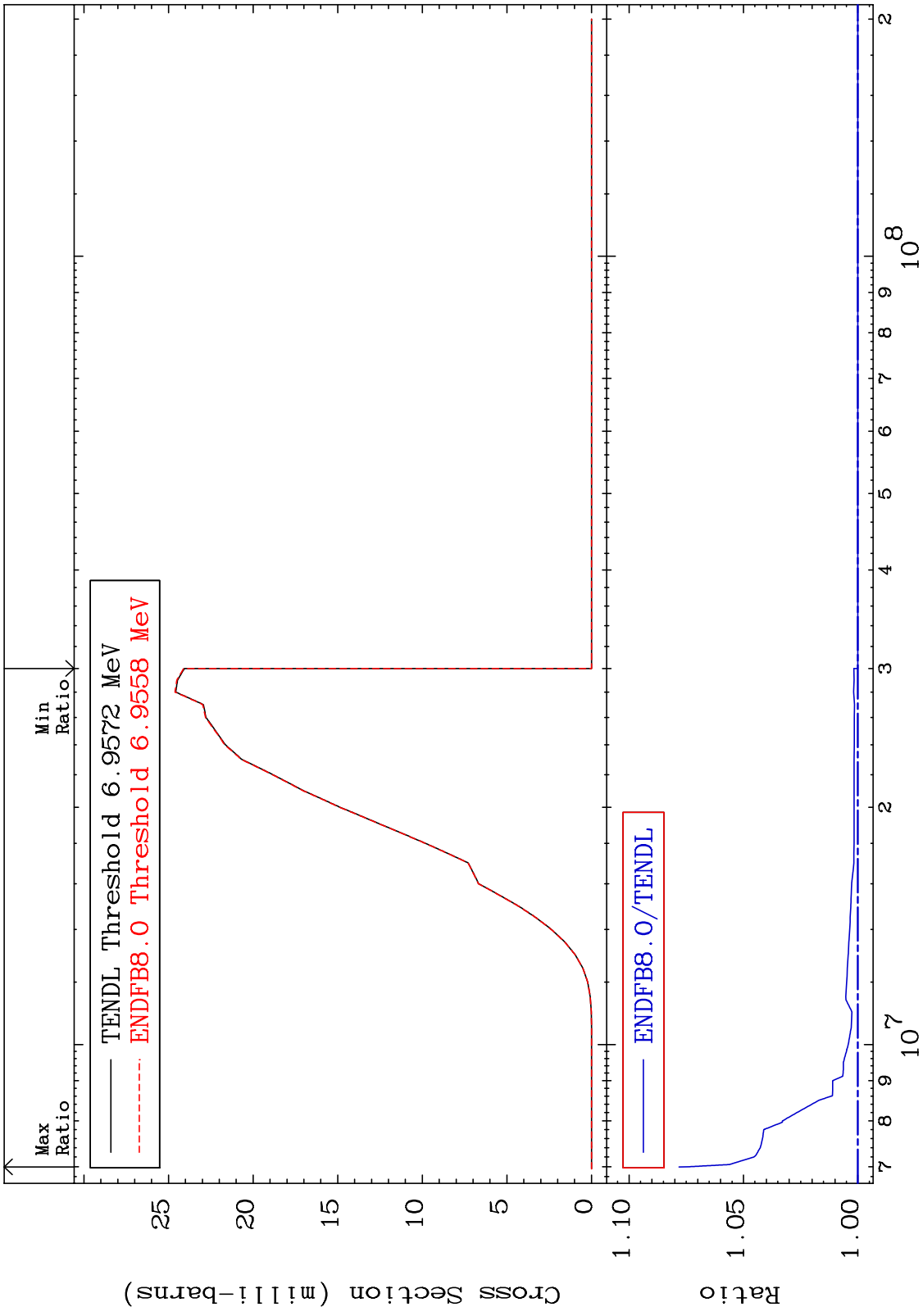
MAT 3634

(n,p) Cross Section
-14.71 To 5.110 %

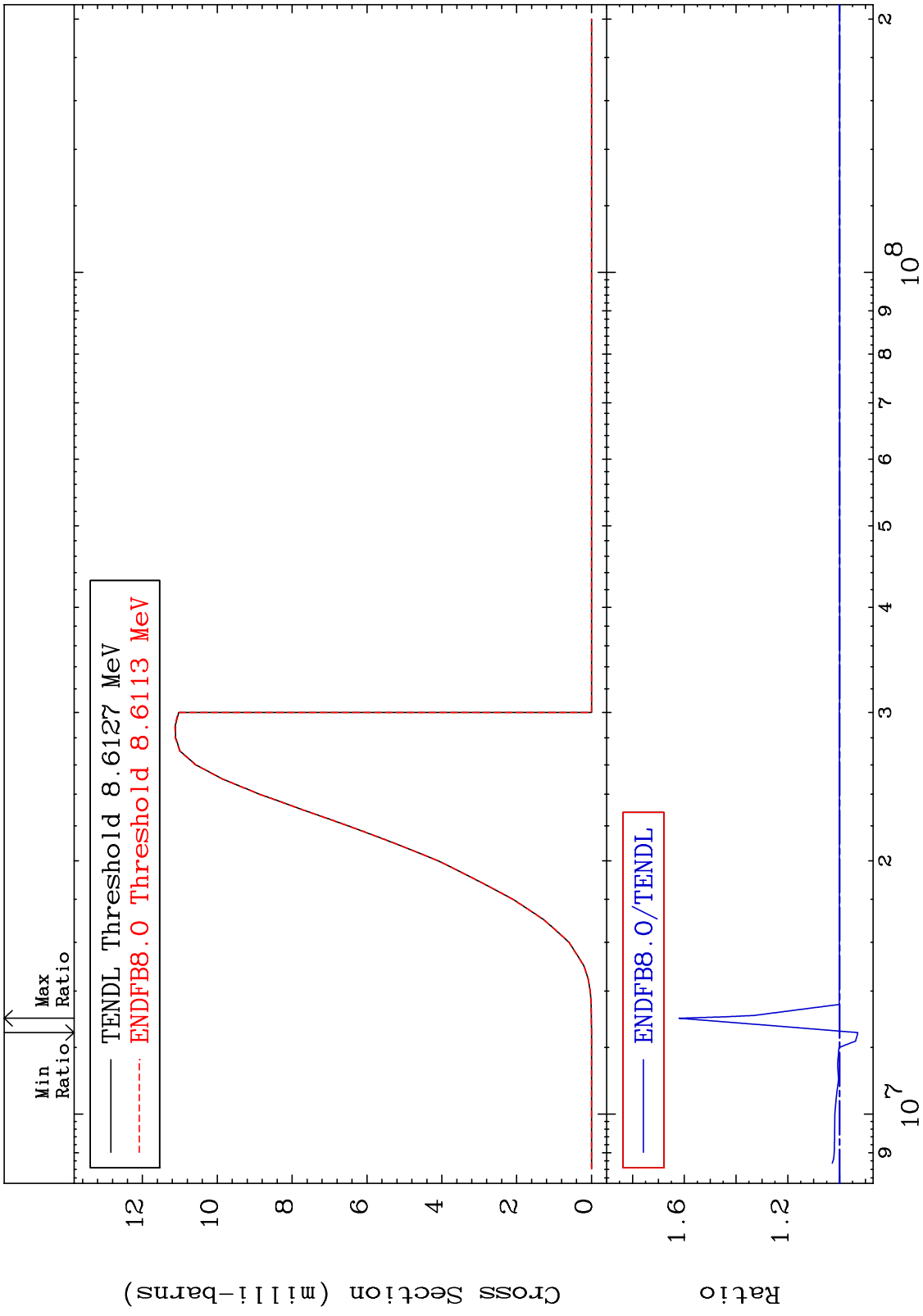
36-Kr-81



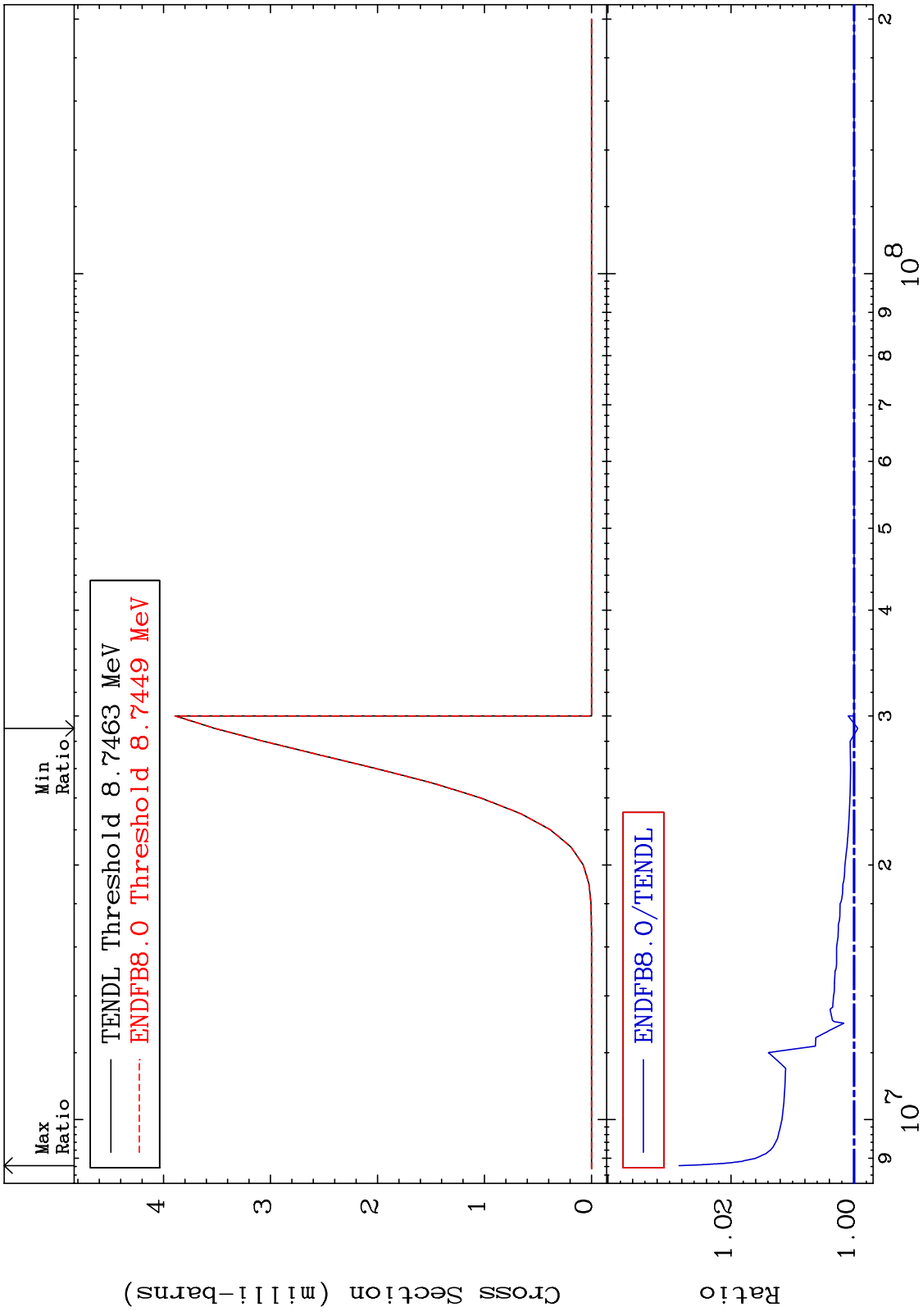
MAT 3634 (n,d) Cross Section 36-Kr-81 To 7.814 %



MAT 3634 (n,t) 36-Kr-81
 Cross Section -7.054 To 62.04 %

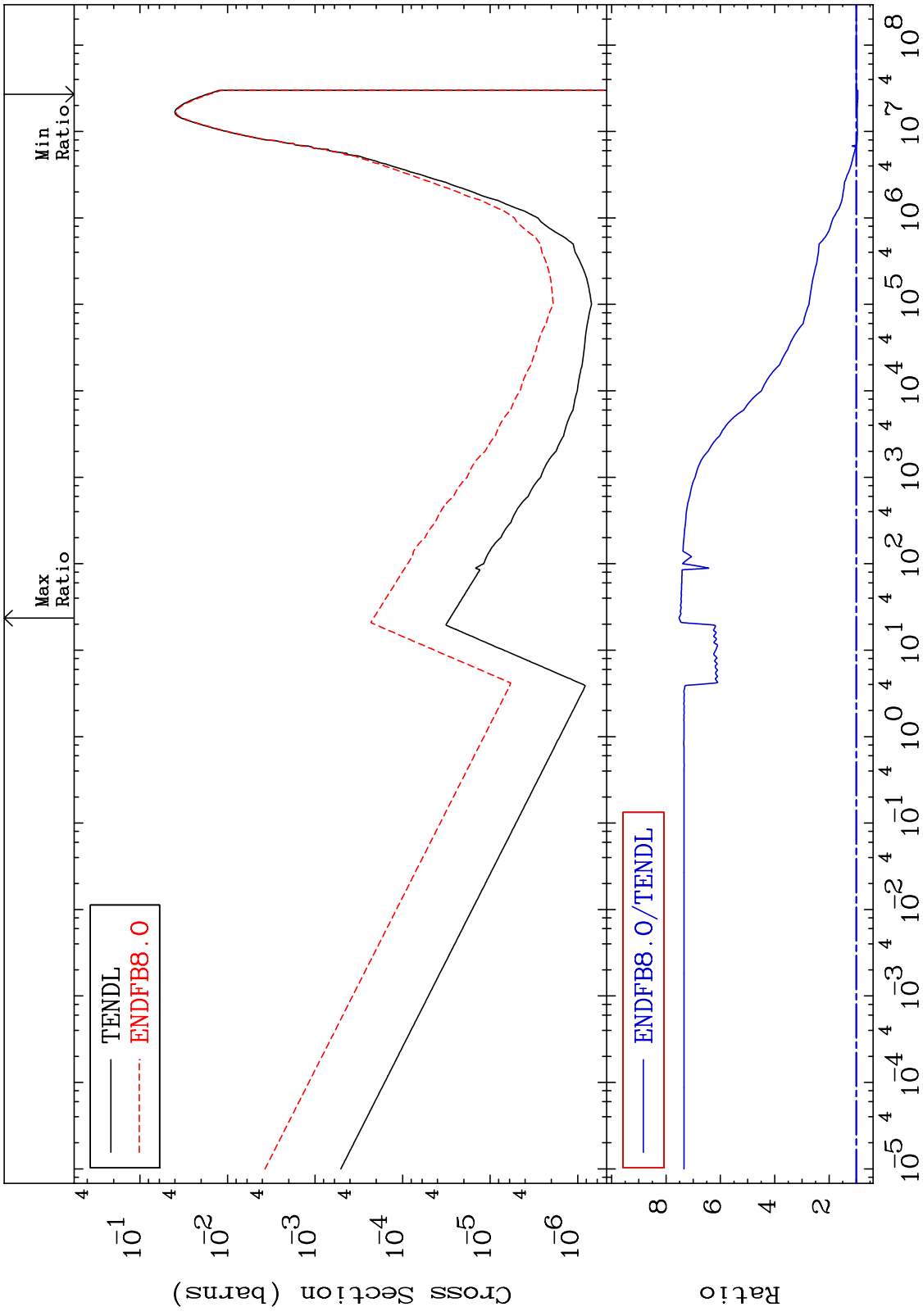


MAT 3634 (n, He-3) 36-Kr-81
 Cross Section -0.061 To 2.845 %



54 36-Kr-81

MAT 3634 $^{36}\text{Kr-81}$ (n, α) Cross Section -5.509 To 652.0 %



MAT 3634

(n,2α)

36-Kr-81

-5.459 To 5967. %

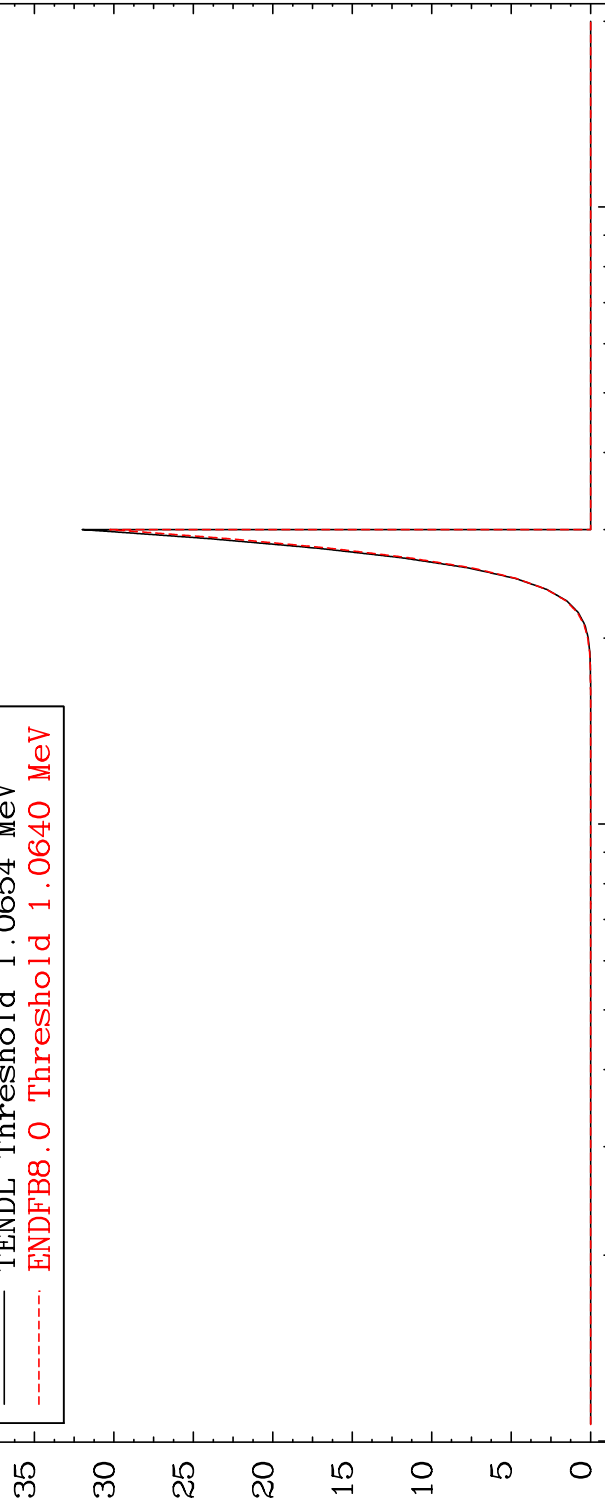
Cross Section

Max Ratio

Min Ratio

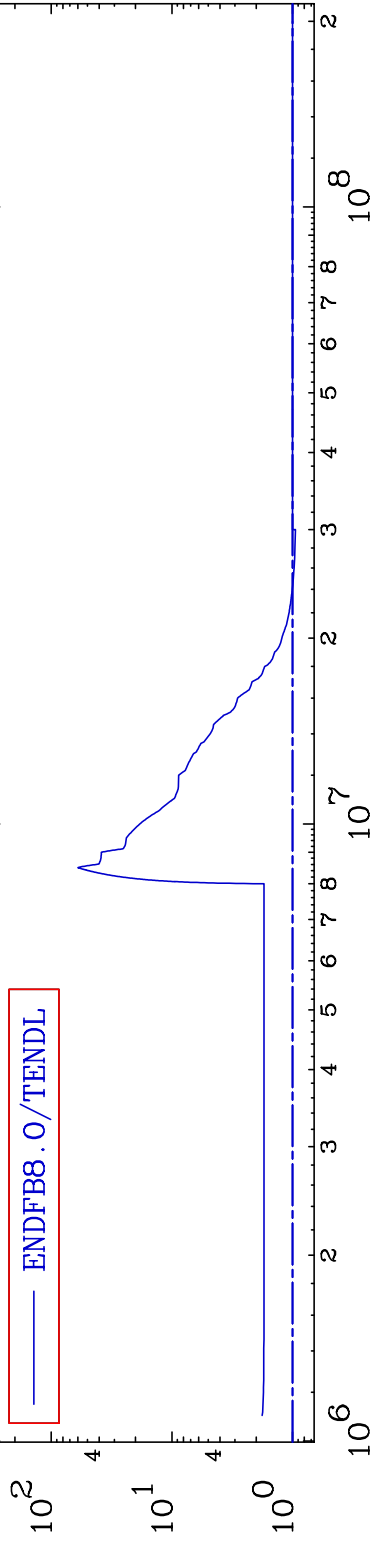
TENDL Threshold 1.0654 MeV
ENDFB8.0 Threshold 1.0640 MeV

Cross Section (micro-barns)



ENDFB8.0/TENDL

Ratio

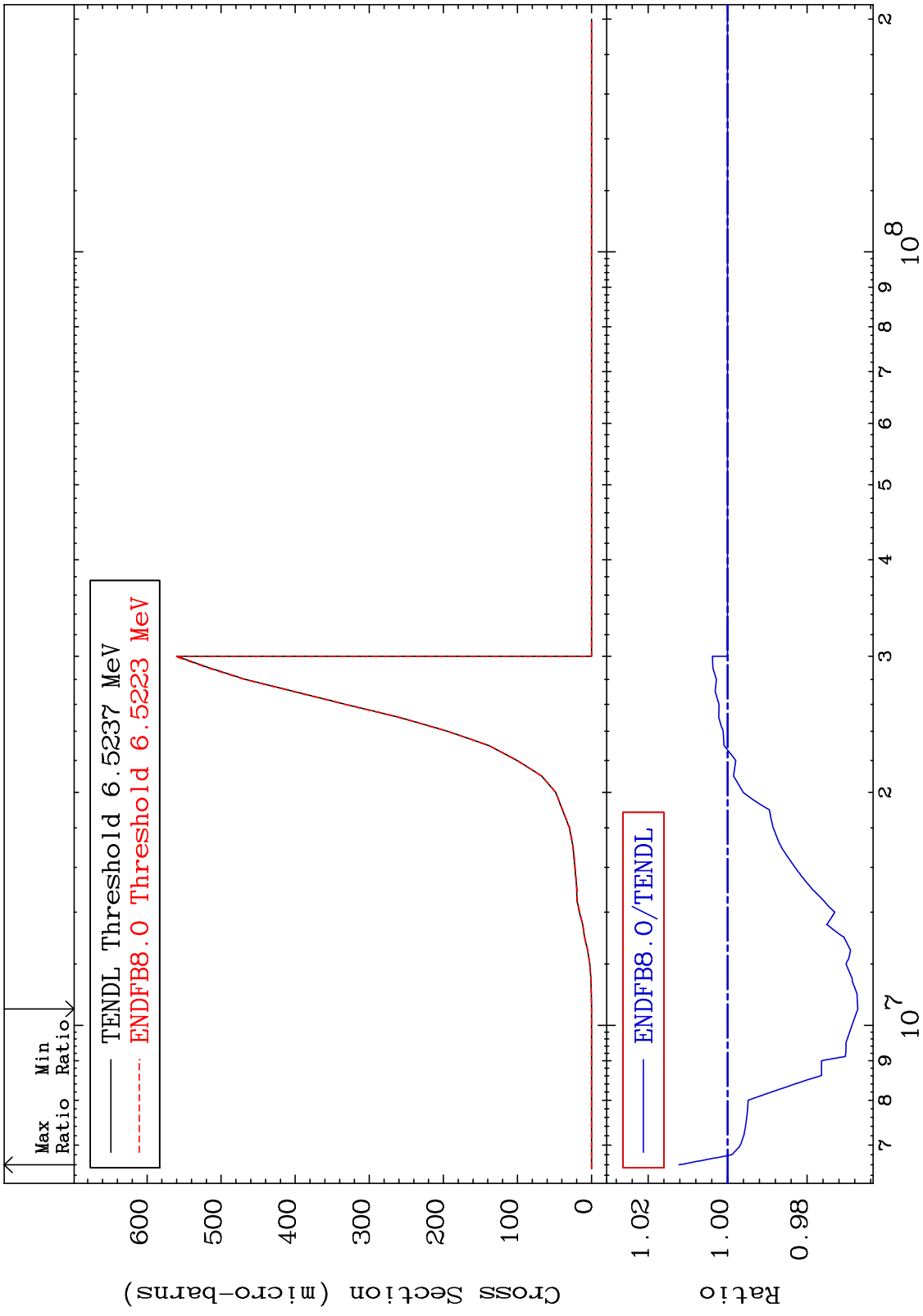


56

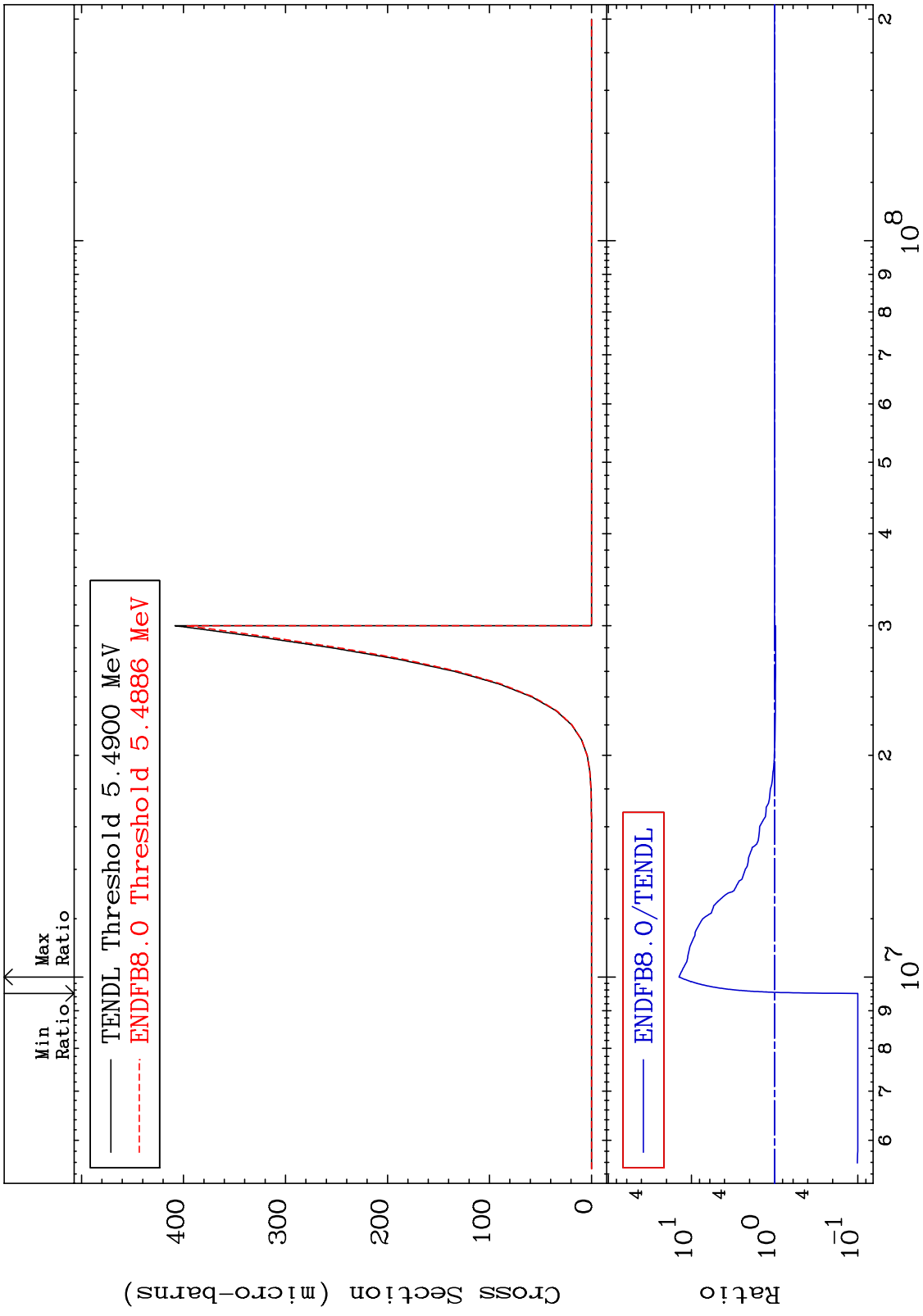
Incident Energy (eV)

36-Kr-81

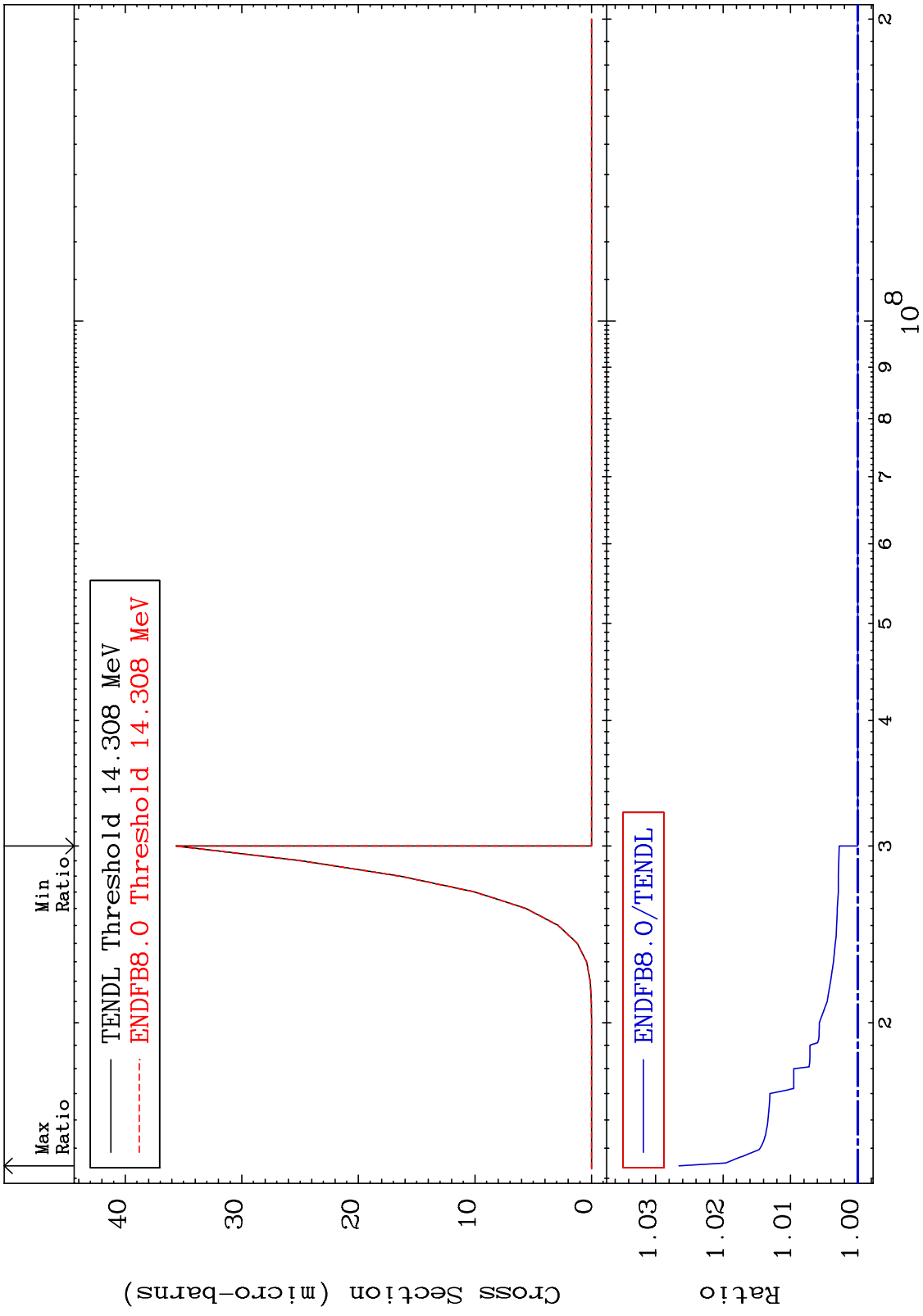
MAT 3634 (n,2p) Cross Section 36-Kr-81 -3.276 To 1.221 %



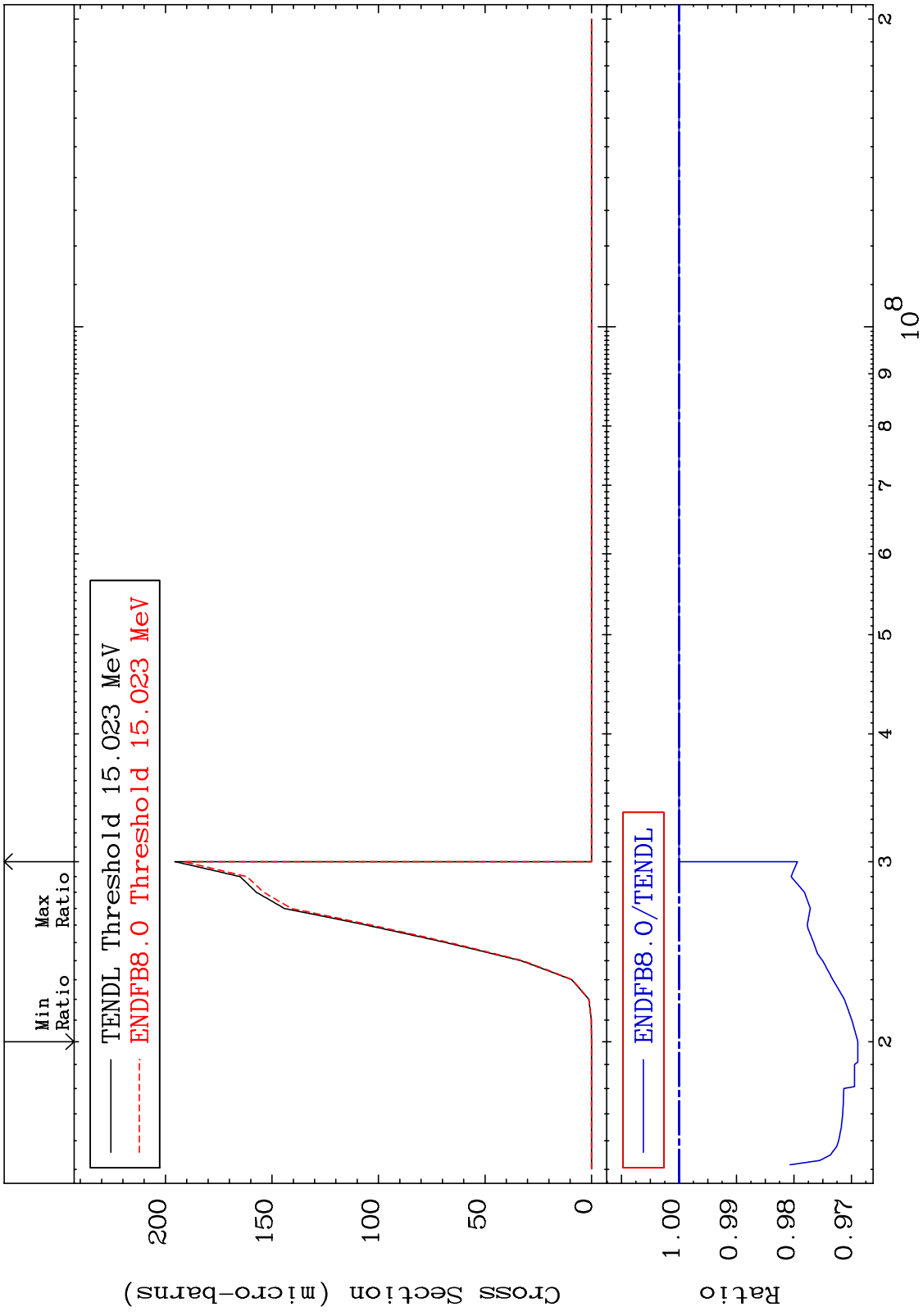
MAT 3634 (n,p) α 36-Kr-81
 Cross Section -90.03 To 1310. %



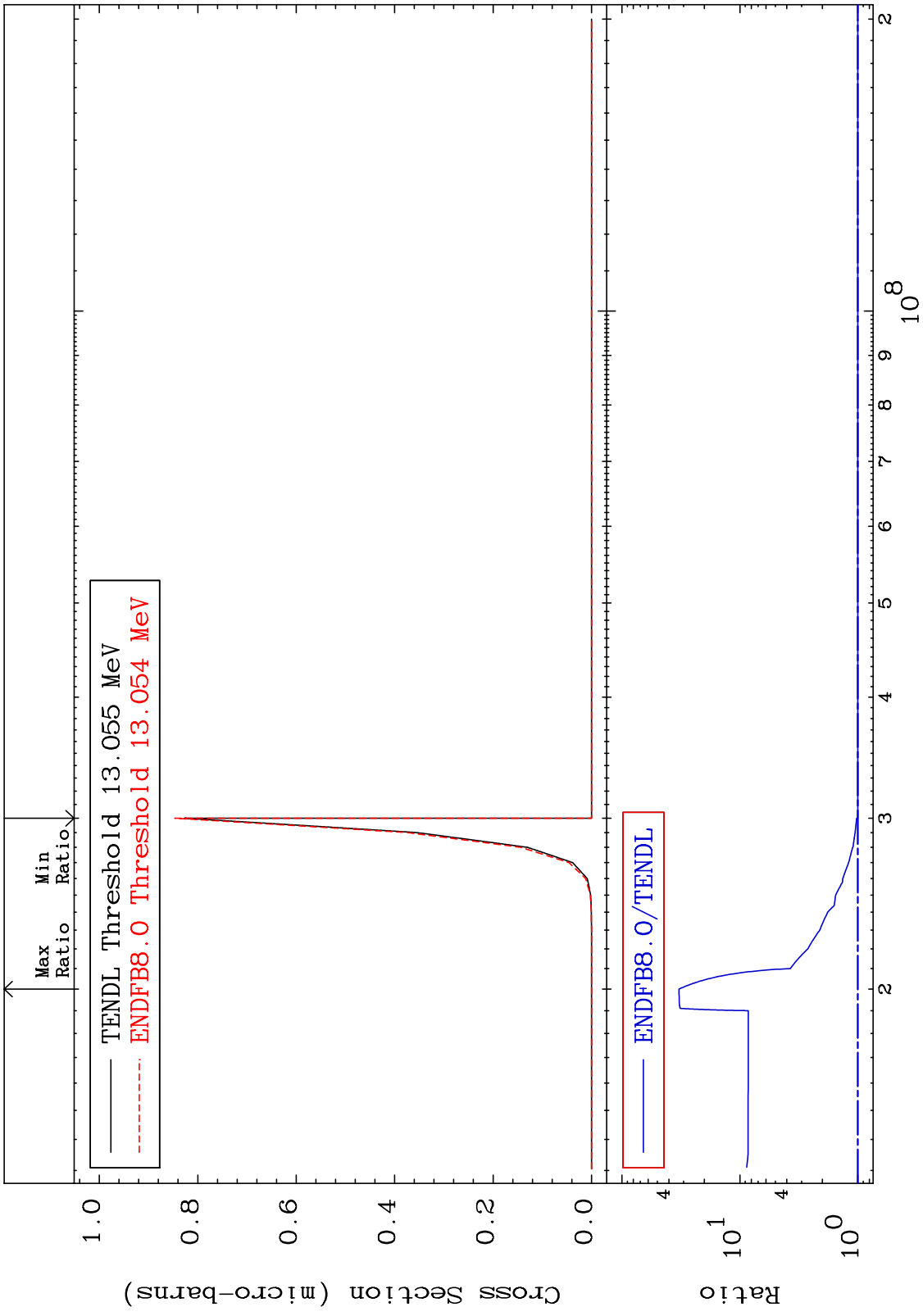
MAT 3634 (n,p) d 36-Kr-81
 Cross Section 0.000 To 2.653 %



MAT 3634 (n,p) t 36-Kr-81
 Cross Section -3.111 To 0.000 %



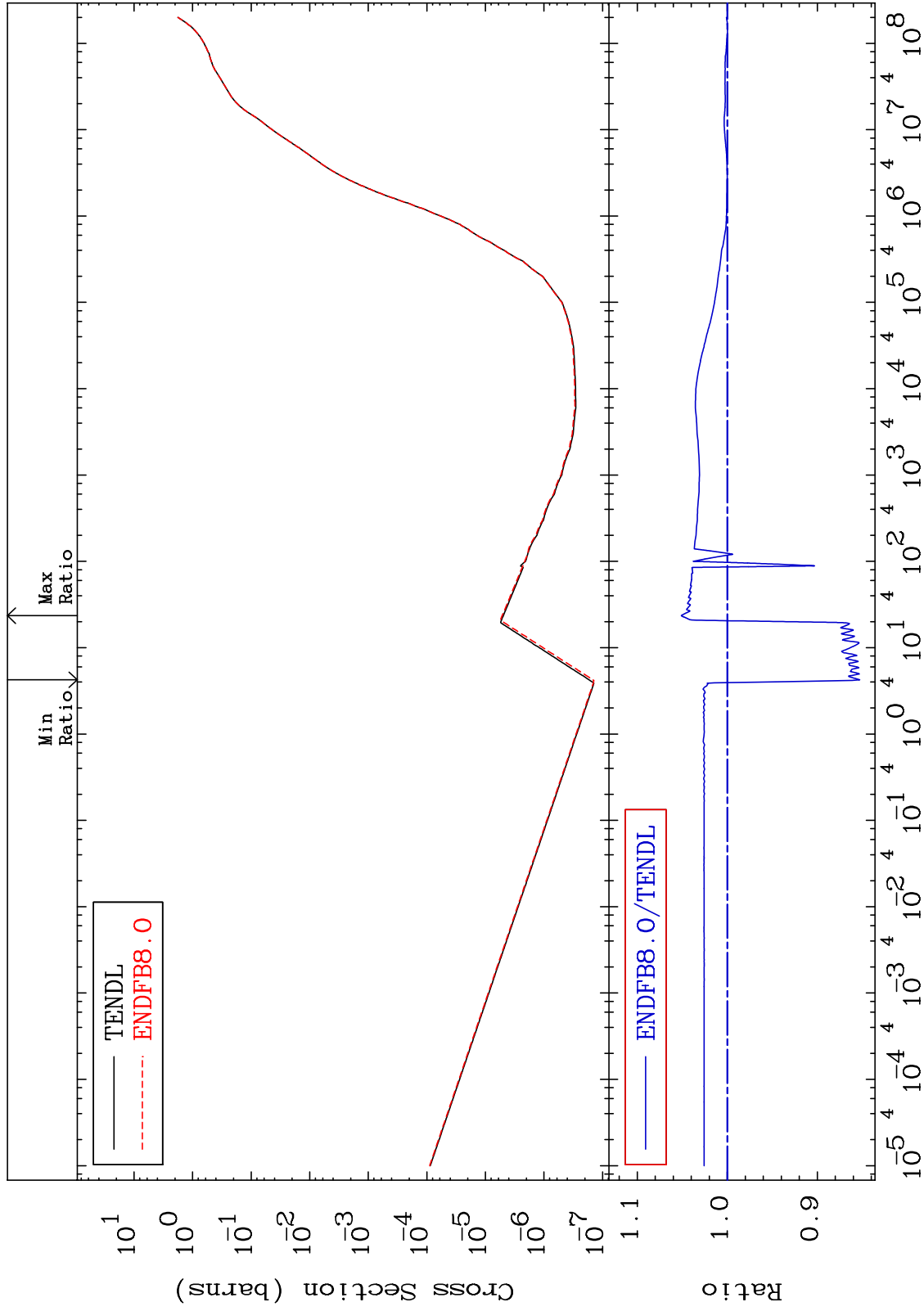
MAT 3634 (n,d) α 36-Kr-81
 Cross Section 0.000 To 3180. %



MAT 3634

Hydrogen Production
Cross Section

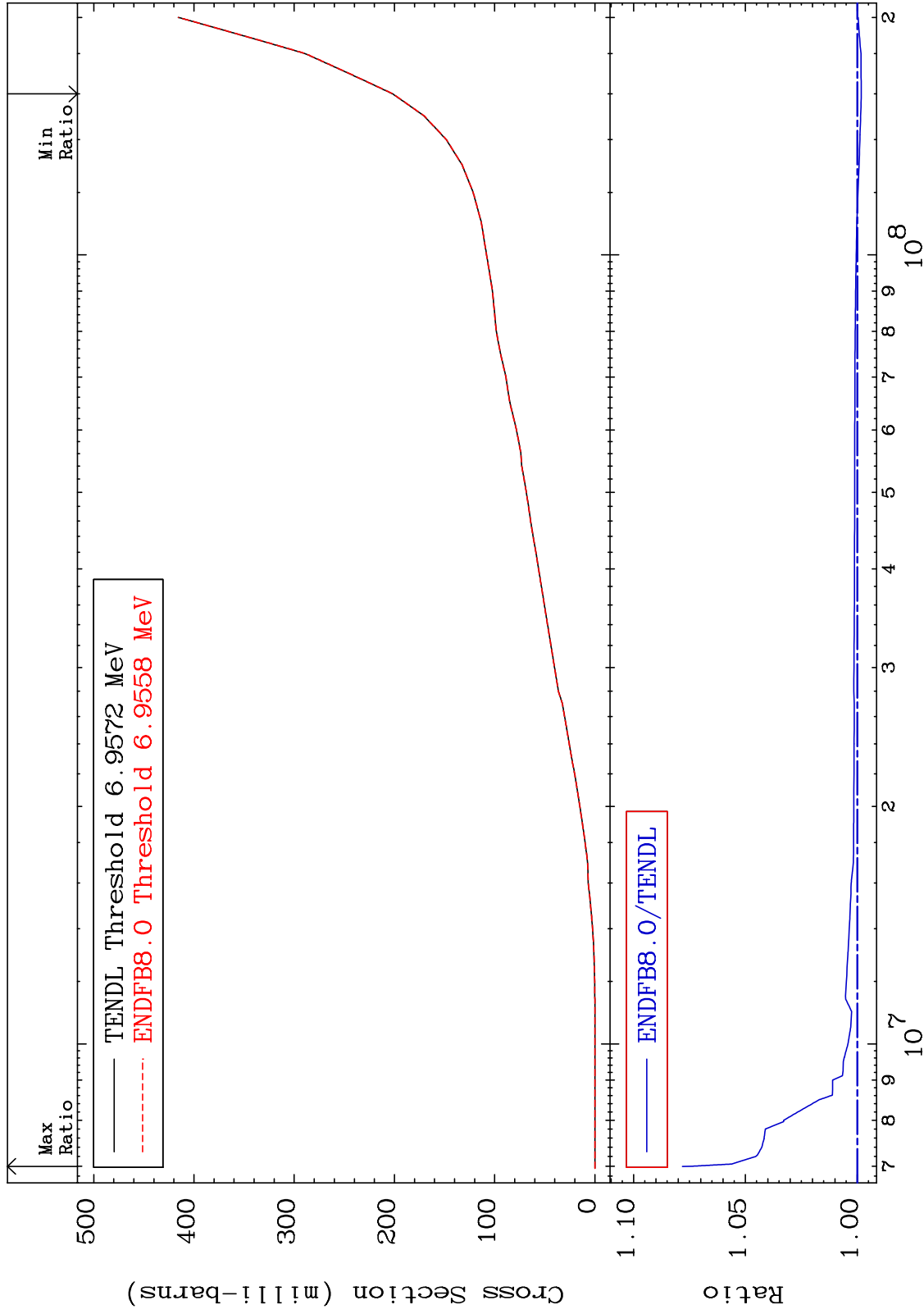
36-Kr-81
-14.71 To 5.110 %



MAT 3634

Deuterium Production
Cross Section

36-Kr-81
-0.178 To 7.814 %



63

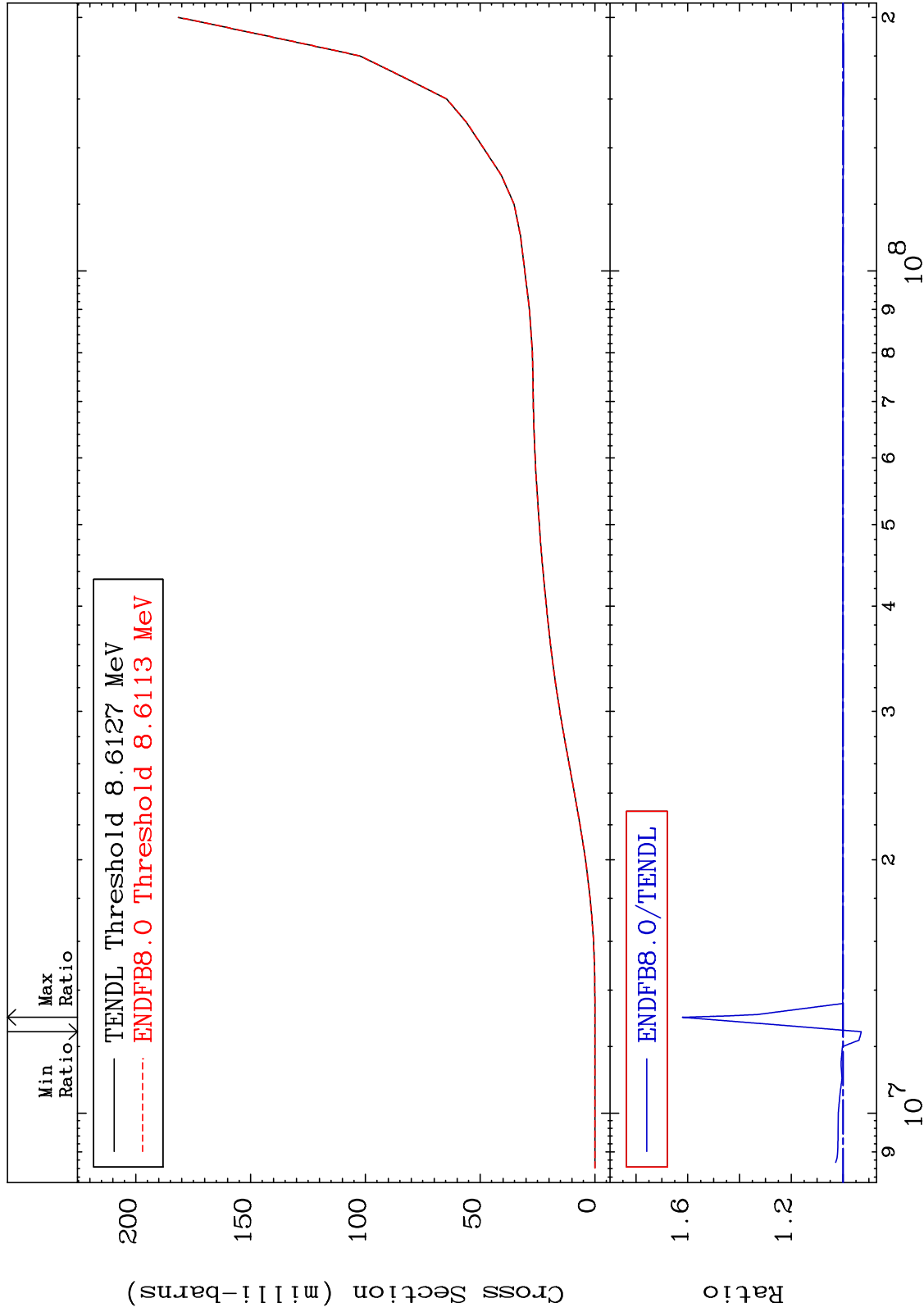
Incident Energy (eV)

36-Kr-81

MAT 3634

Tritium Production
Cross Section

³⁶Kr-81
-7.054 To 62.04 %



64

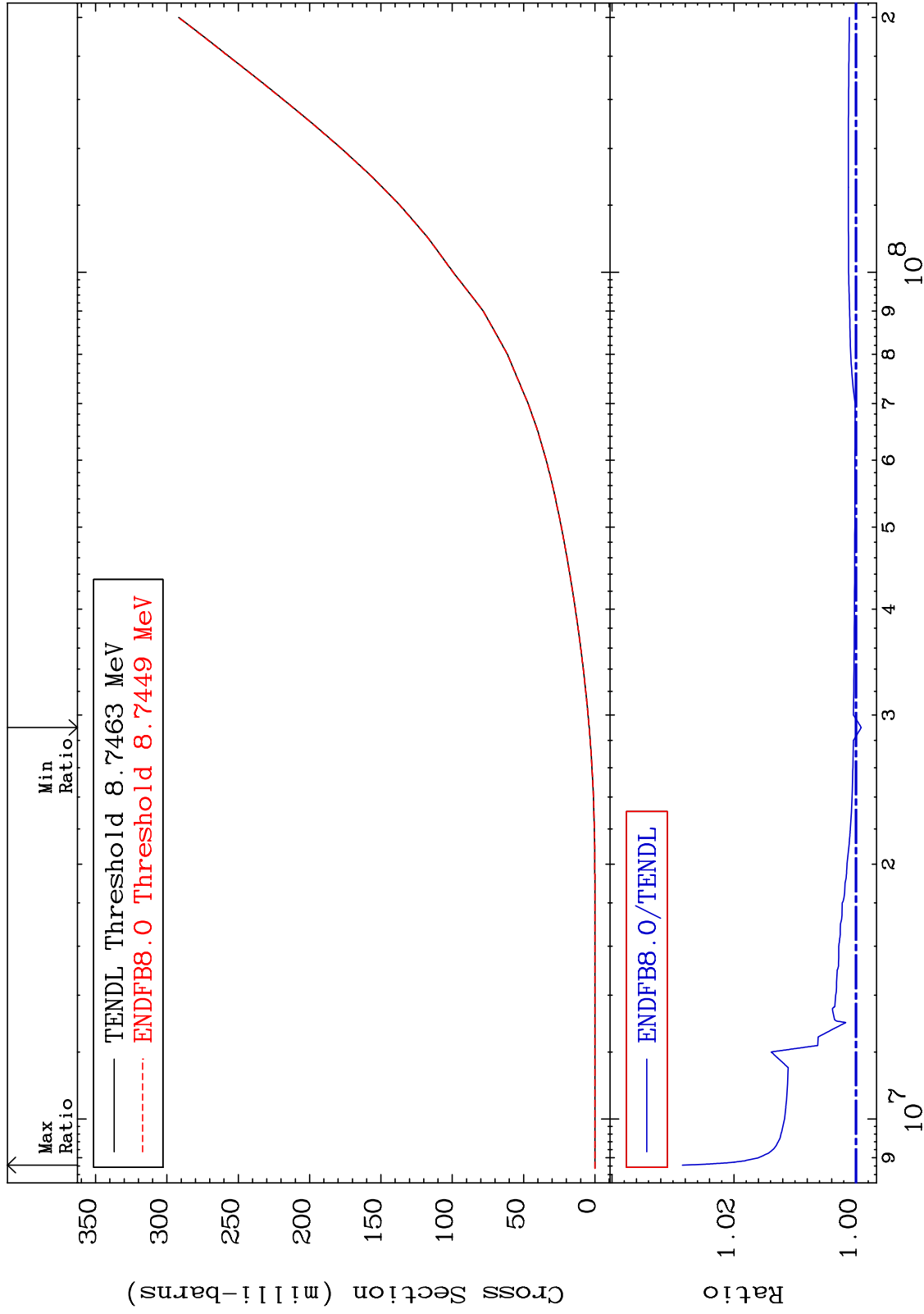
Incident Energy (eV)

³⁶Kr-81

MAT 3634

He-3 Production
Cross Section

36-Kr-81
-0.086 To 2.845 %



65

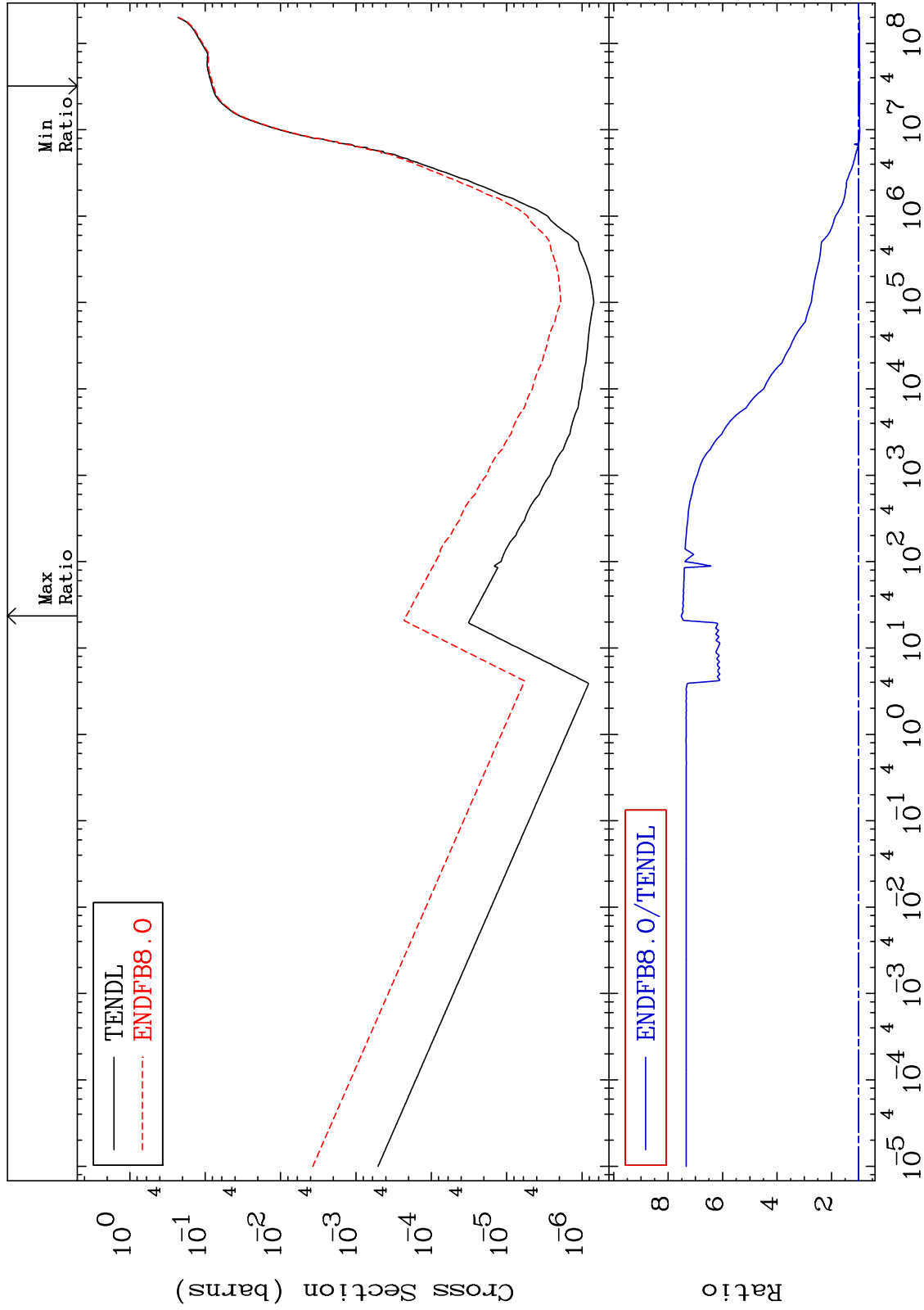
Incident Energy (eV)

36-Kr-81

MAT 3634

He-4 Production
Cross Section

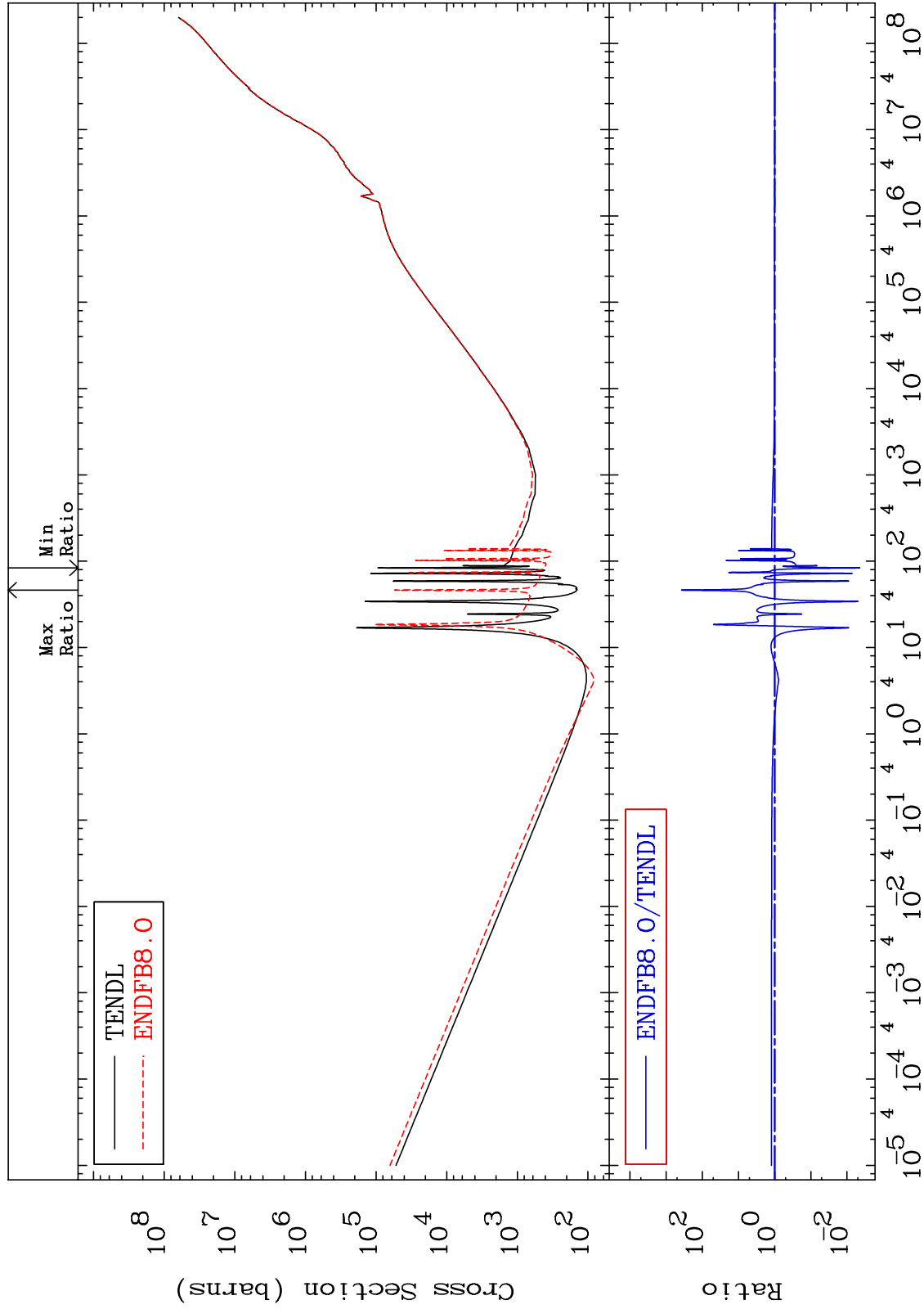
36-Kr-81
-3.908 To 652.0 %



MAT 3634

Kerma total (eV-barns)
Cross Section

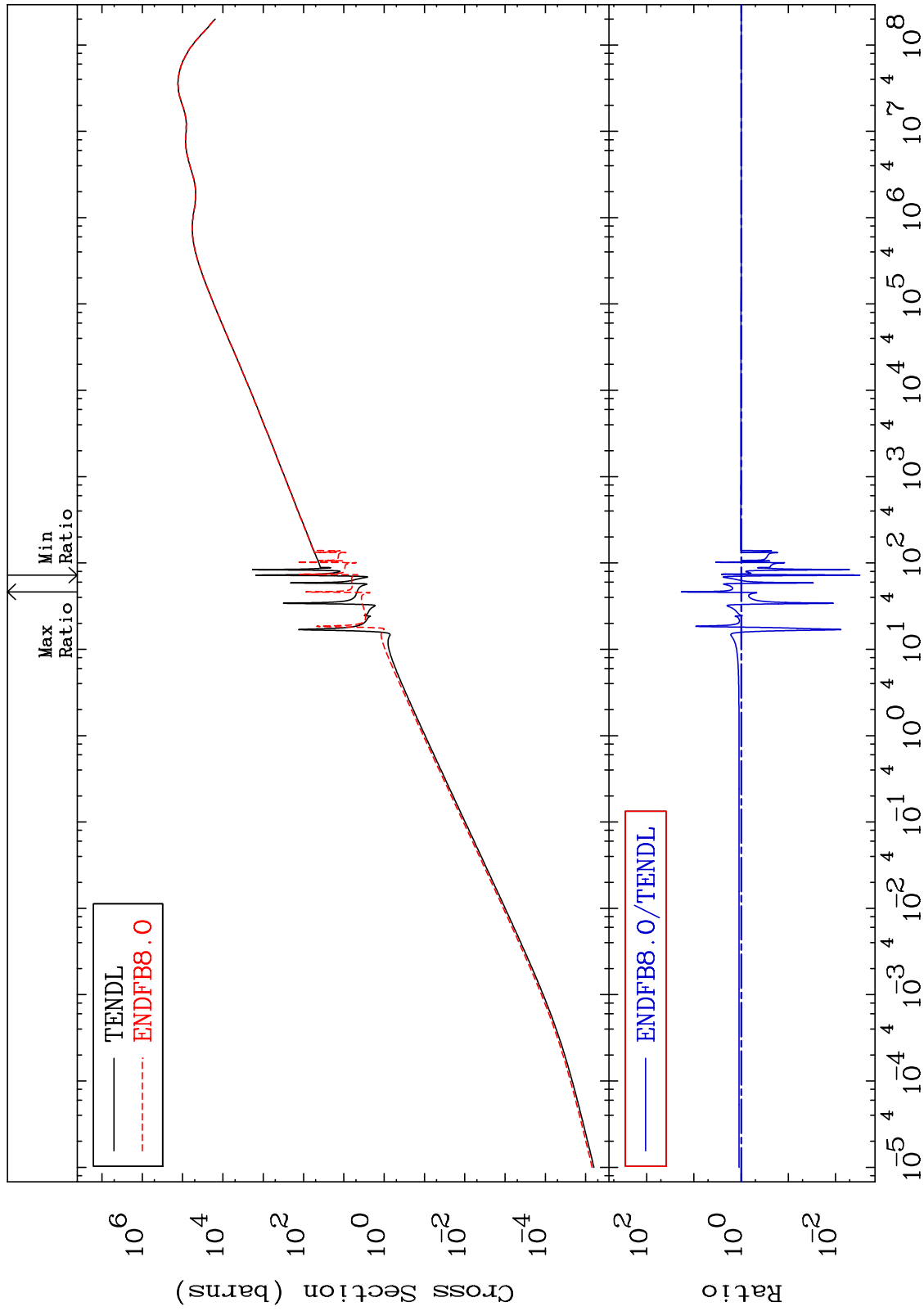
36-Kr-81
-99.56 To 9999. %



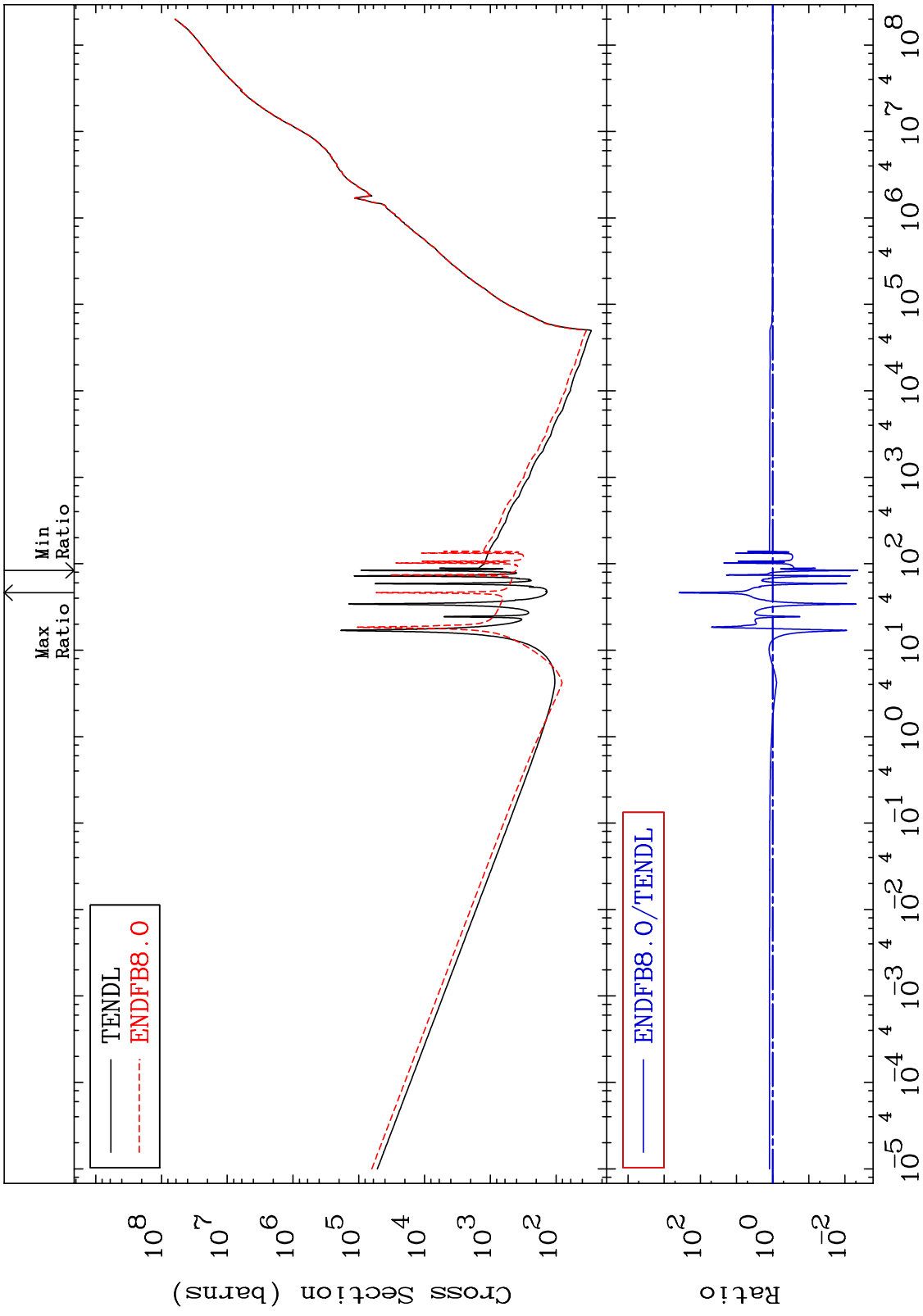
MAT 3634

Kerma elastic
Cross Section

36-Kr-81
-99.69 To 1755. %



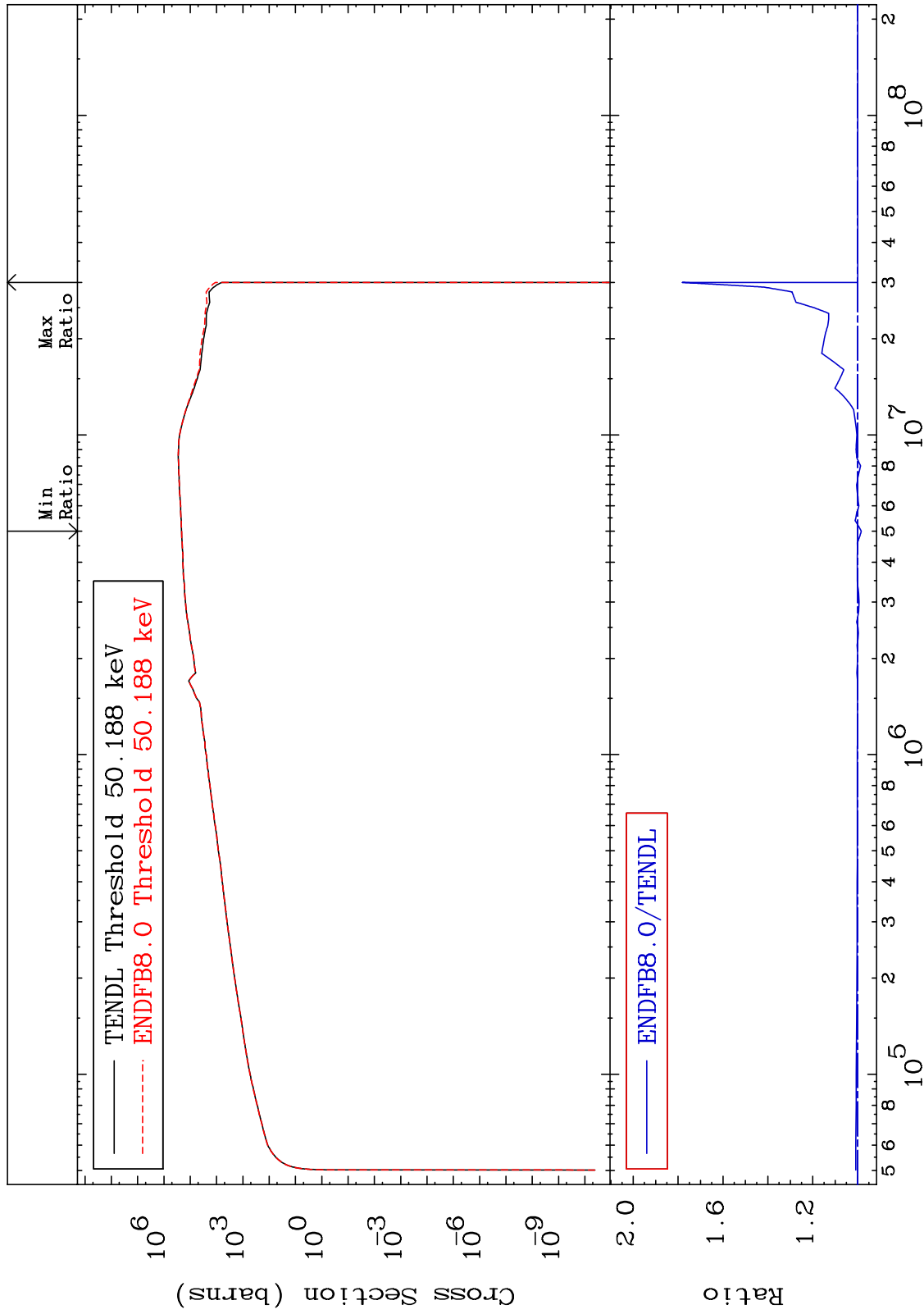
MAT 3634 Kerma non-elastic (all but mt2) 36-Kr-81
 Cross Section -99.56 To 9999. %



MAT 3634

Kerma inelastic (mt51-91)
Cross Section

36-Kr-81
-1.613 To 78.07 %



70

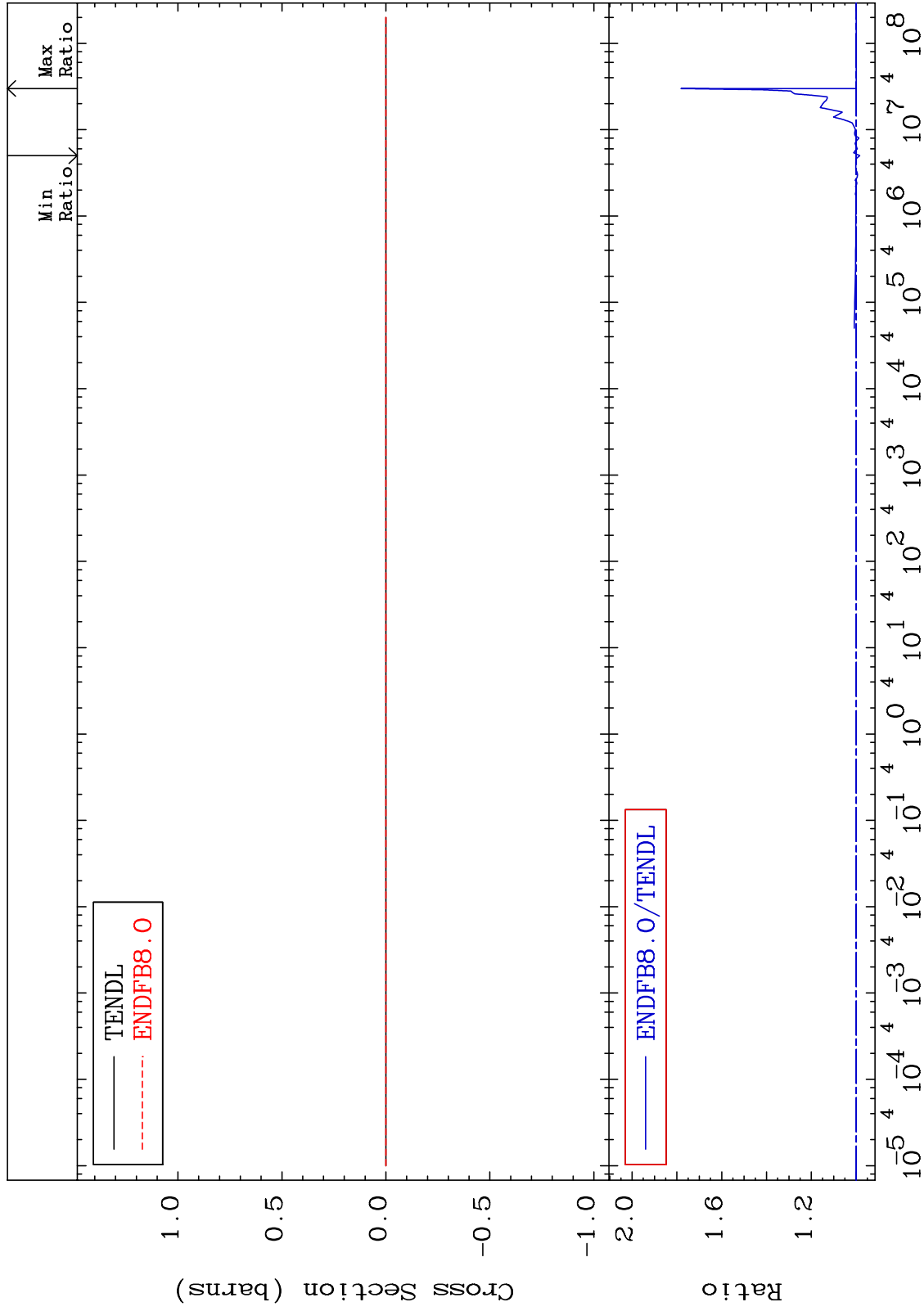
Incident Energy (eV)

36-Kr-81

MAT 3634

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

36-Kr-81
-1.613 To 78.07 %



71

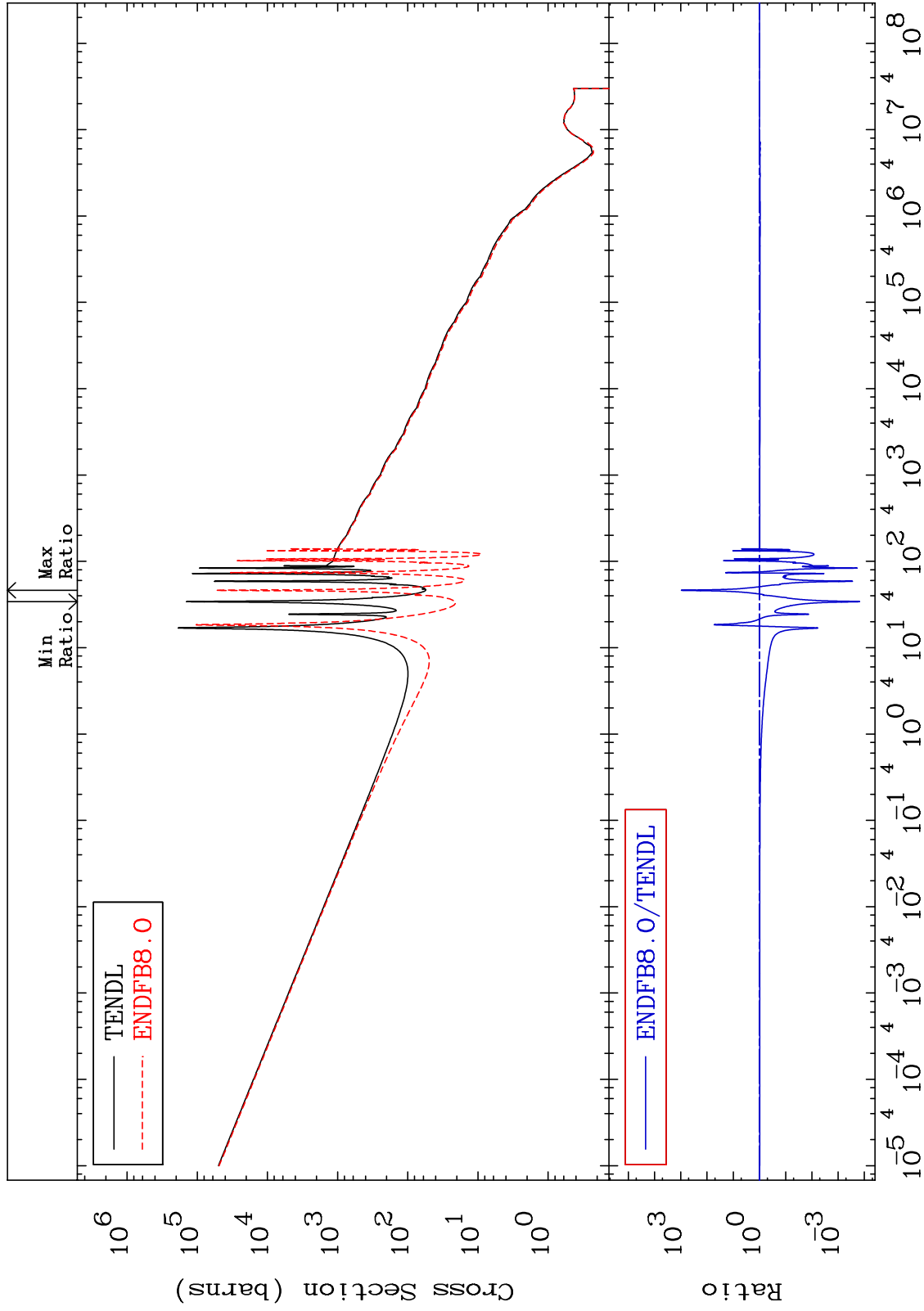
Incident Energy (eV)

36-Kr-81

MAT 3634

Kerma capture (mt102)
Cross Section

36-Kr-81
-99.99 To 9999. %



72

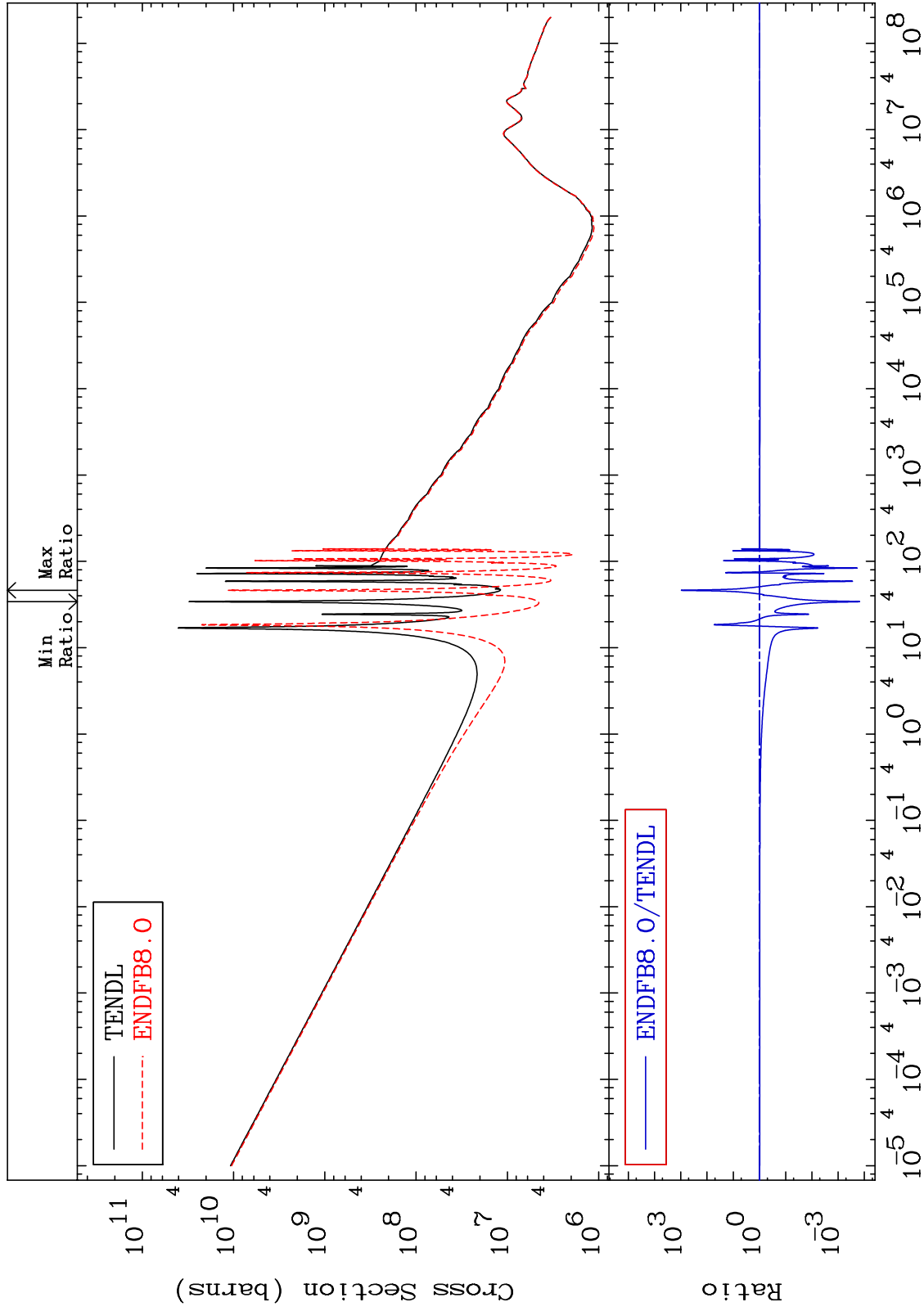
Incident Energy (eV)

36-Kr-81

MAT 3634

Total photon (eV-barns)
Cross Section

36-Kr-81
-99.98 To 9999. %

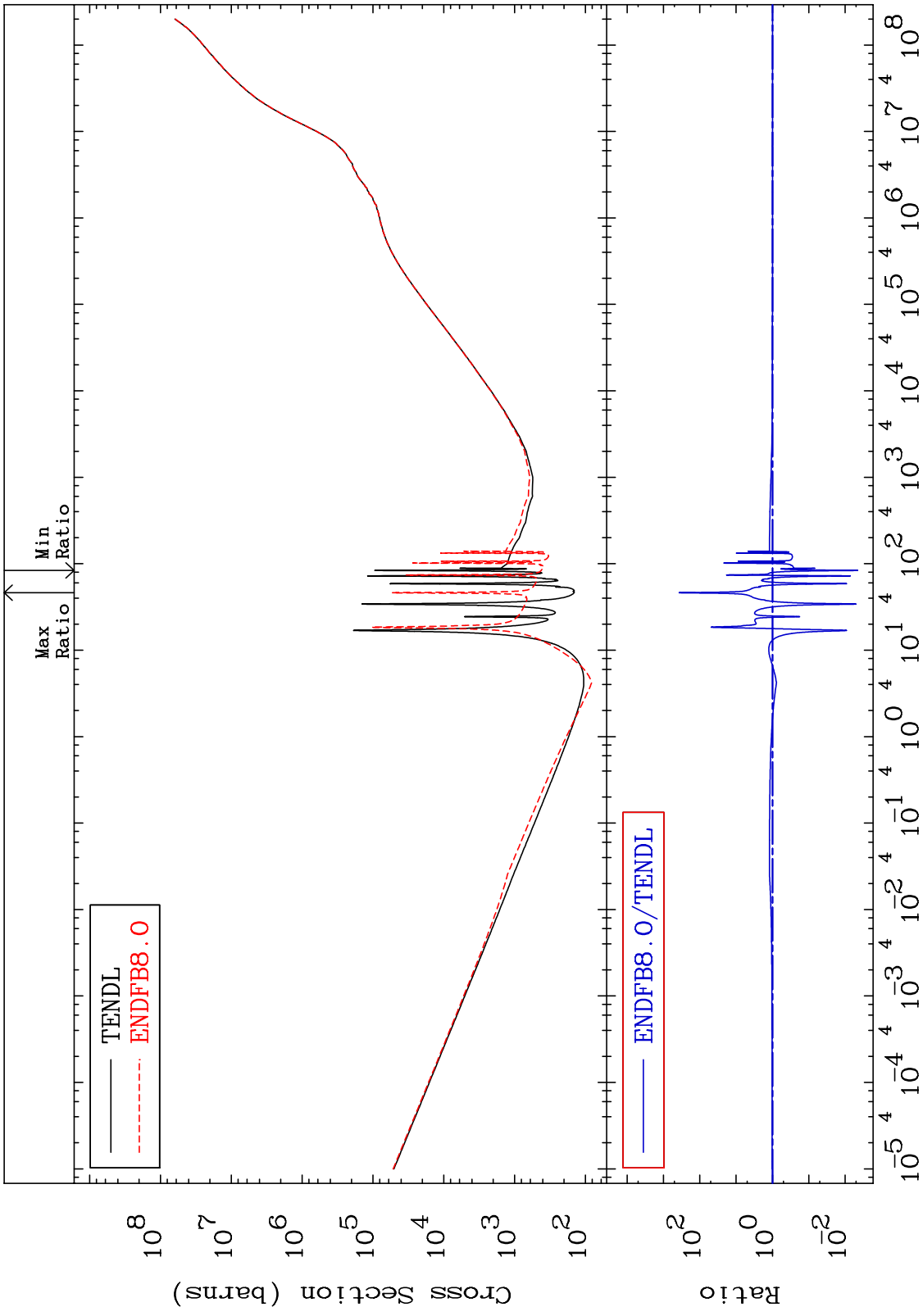


73

Incident Energy (eV)

36-Kr-81

MAT 3634 Total kinematic kerma (high limit) 36-Kr-81
 Cross Section -99.55 To 9999. %



74 Incident Energy (eV) 36-Kr-81

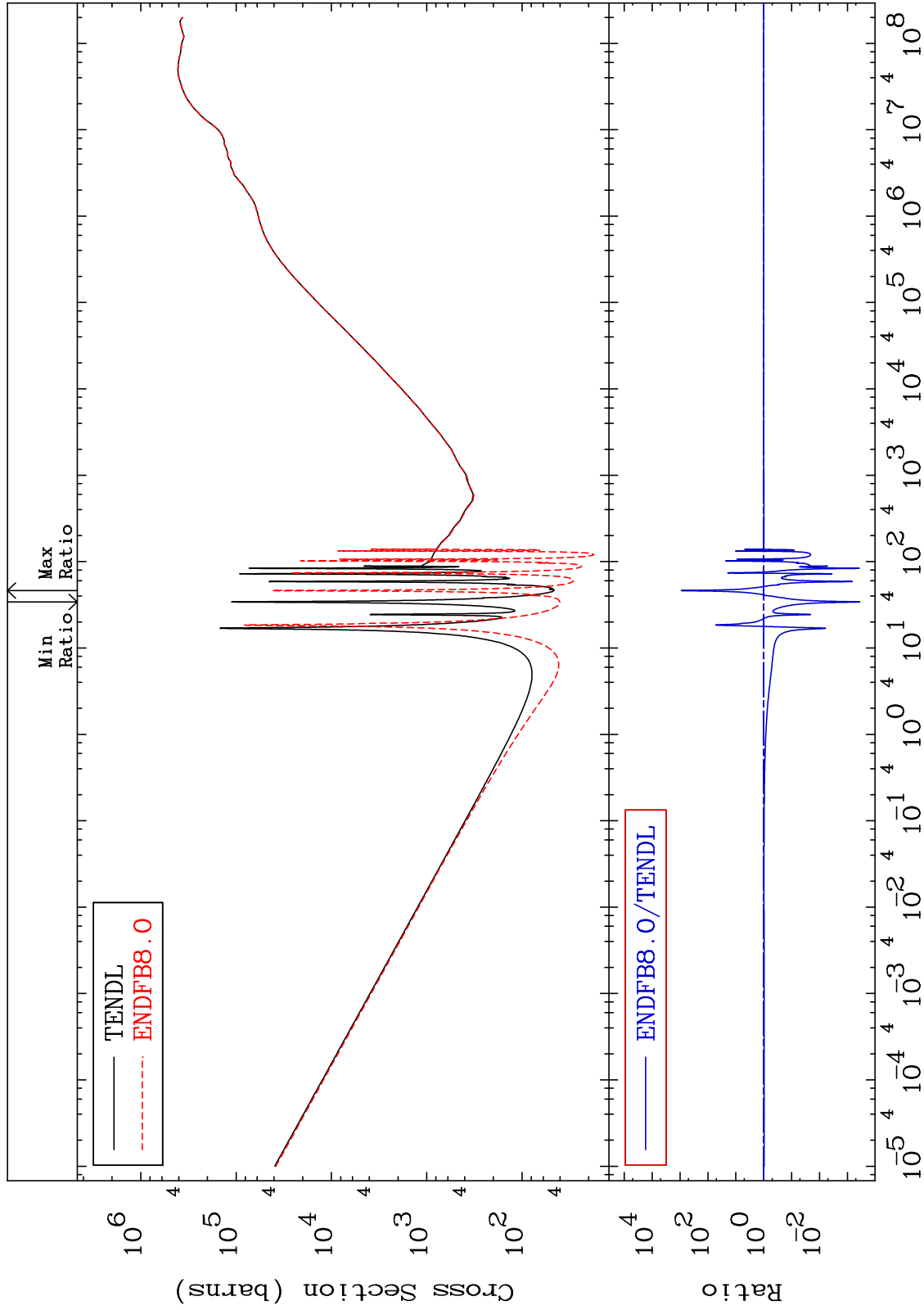
MAT 3634

Dpa total (eV-barns)

36-Kr-81

-99.96 To 9999. %

Cross Section



75

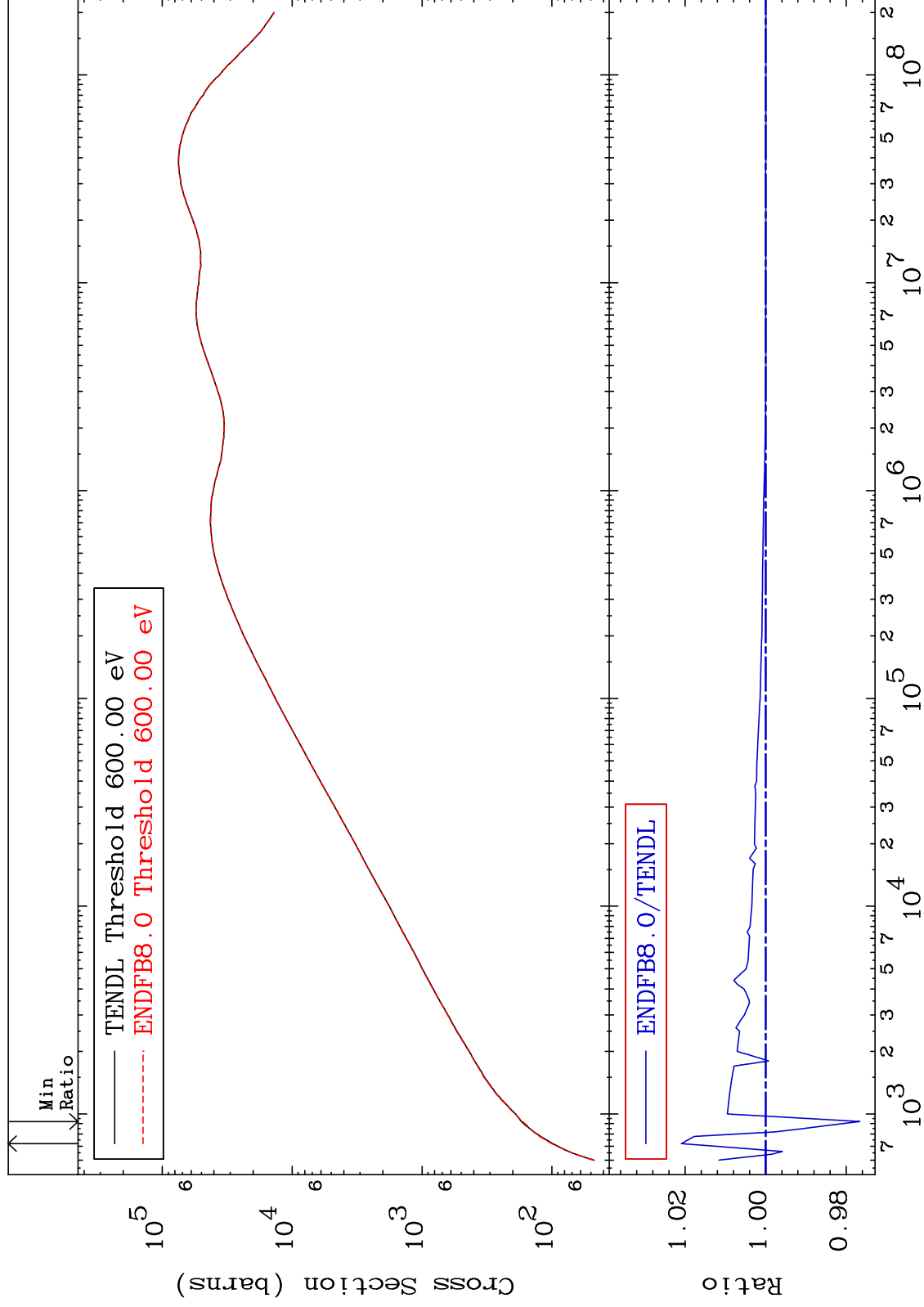
Incident Energy (eV)

36-Kr-81

MAT 3634

Dpa elastic (mt2)
Cross Section

36-Kr-81
-2.334 To 2.088 %



76

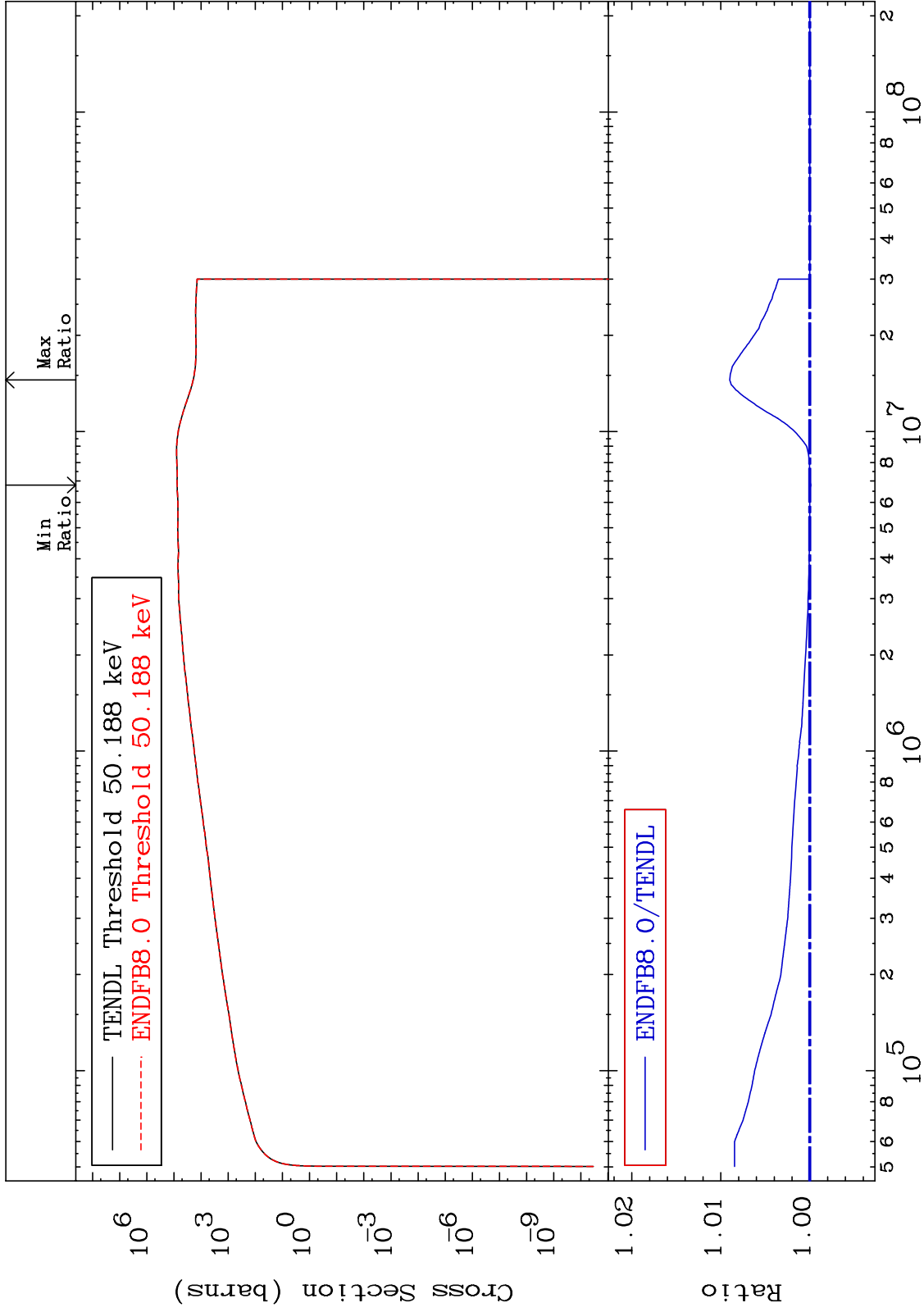
Incident Energy (eV)

36-Kr-81

MAT 3634

Dpa inelastic (mt51-91)
Cross Section

36-Kr-81
-0.011 To 0.901 %



77

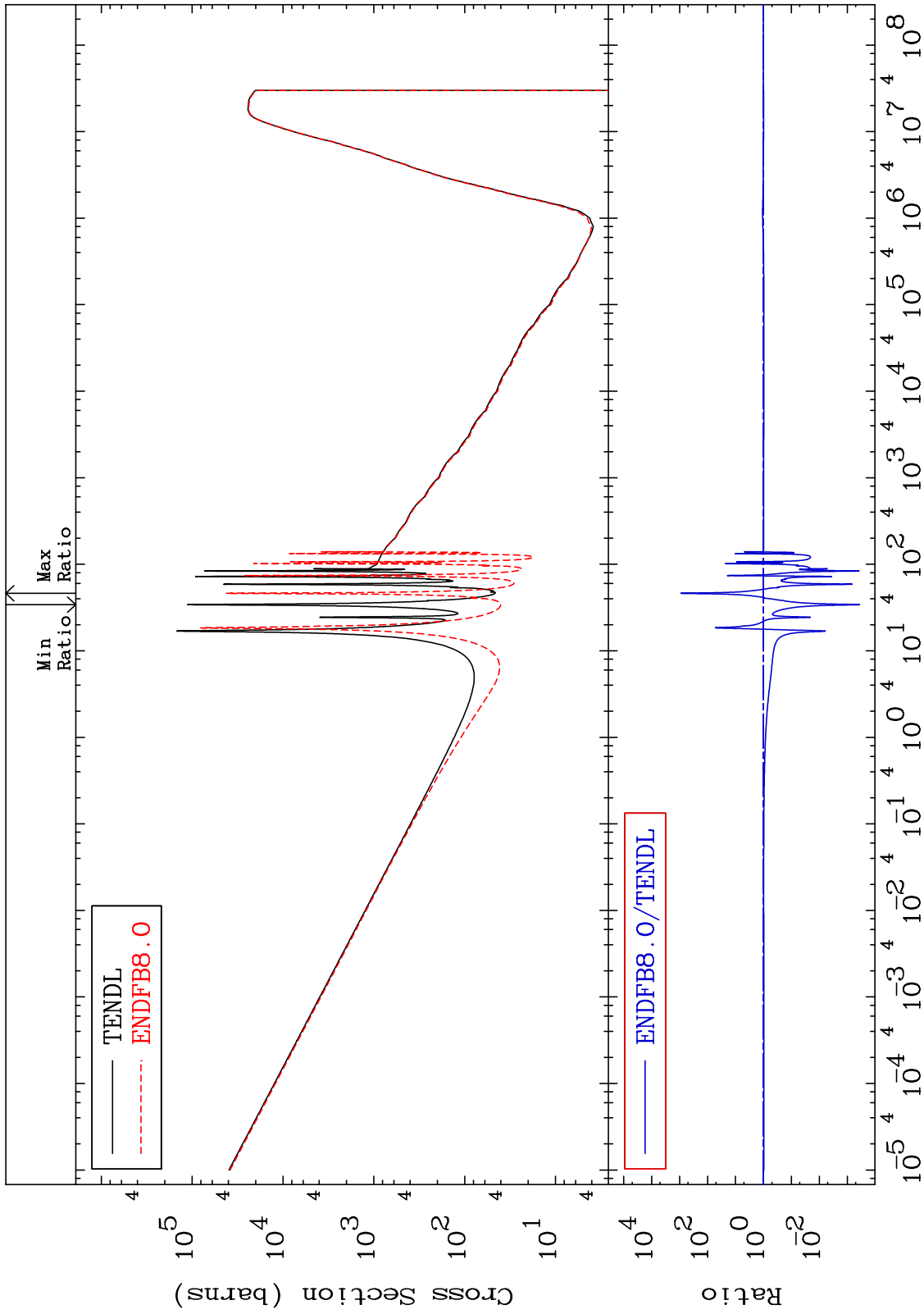
Incident Energy (eV)

36-Kr-81

MAT 3634

Dpa disappearance (mt102 -120)
Cross Section

36-Kr-81
-99.96 To 9999. %



78

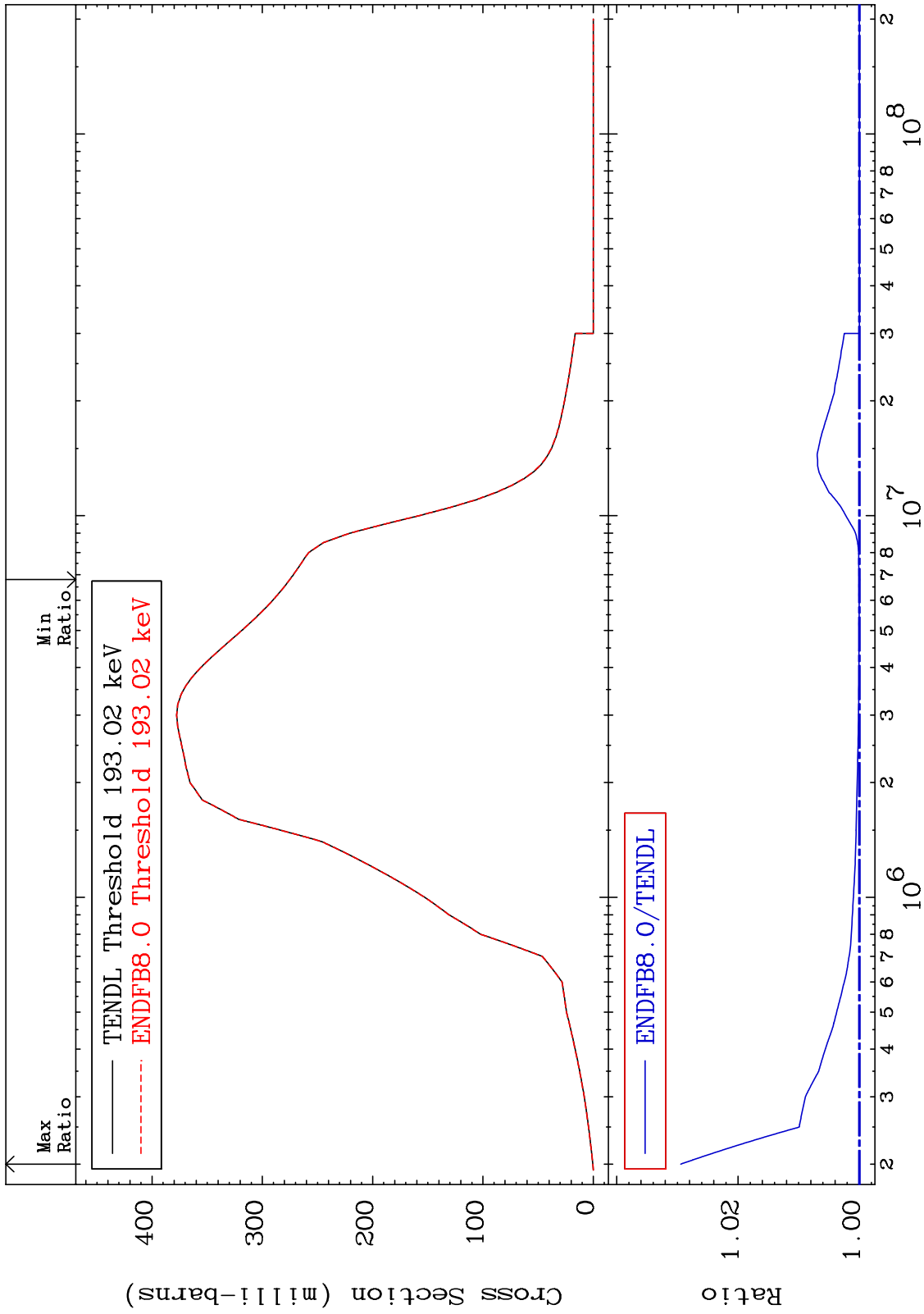
Incident Energy (eV)

36-Kr-81

MAT 3634

Inelastic: 36-Kr-81m2
Radionuclide Production Cross Section -0.005 To 2.944 %

36-Kr-81



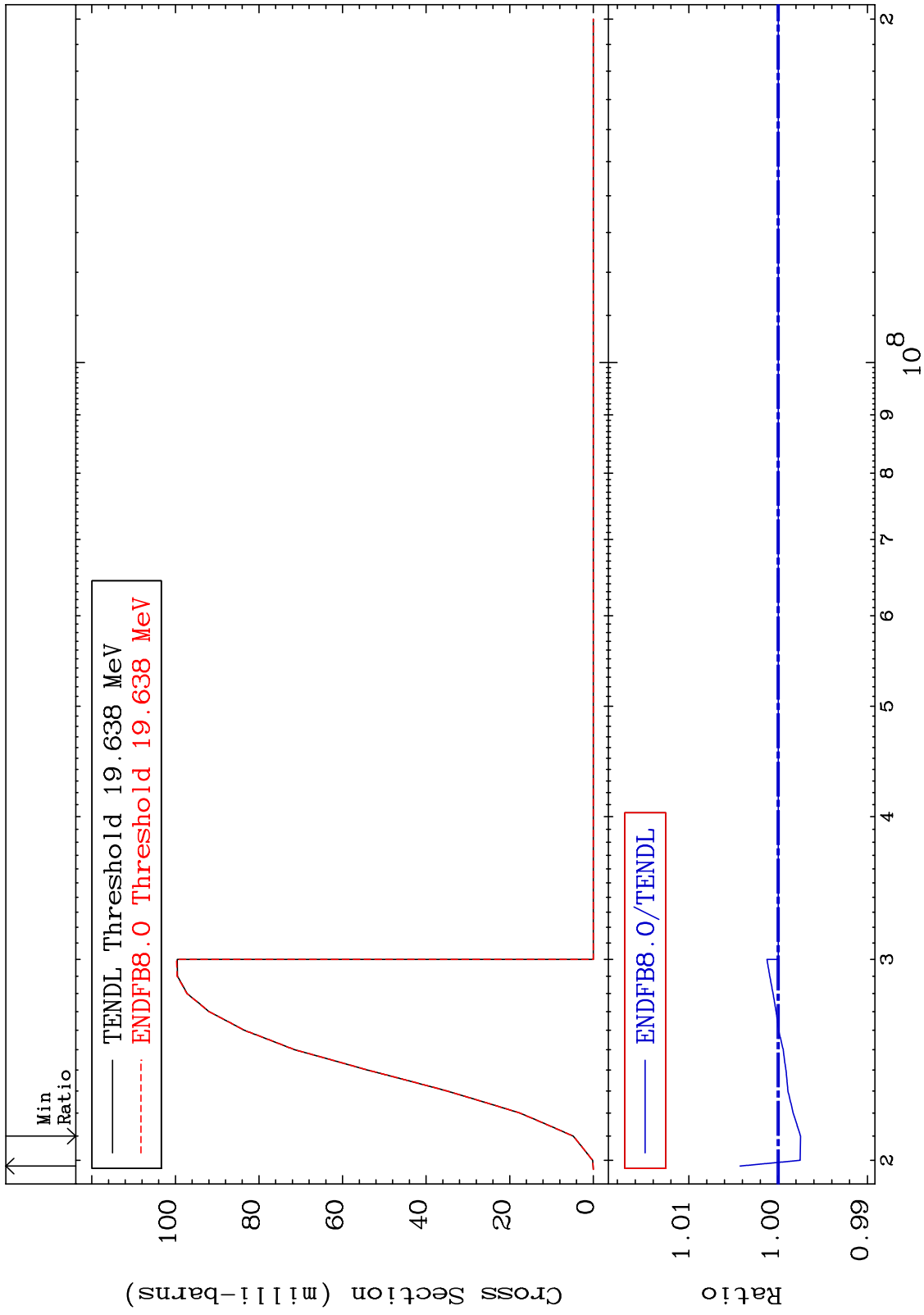
79

Incident Energy (eV)

36-Kr-81

MAT 3634

(n,3n):36-Kr-79g 36-Kr-81
Radionuclide Production Cross Section -0.250 To 0.428 %



80

Incident Energy (eV)

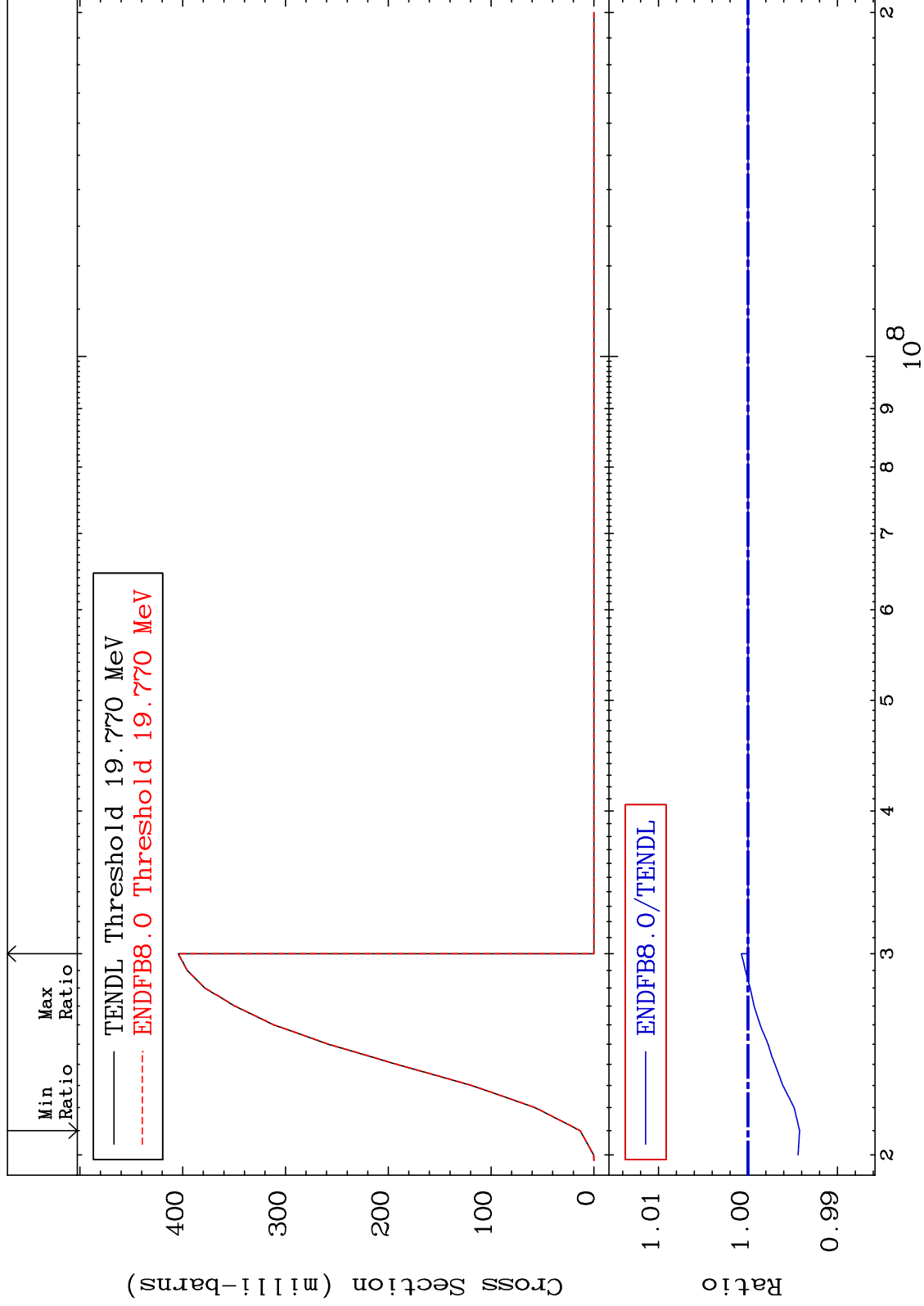
36-Kr-81

MAT 3634

(n,3n):36-Kr-79m1

36-Kr-81

Radionuclide Production Cross Section -0.578 To 0.073 %



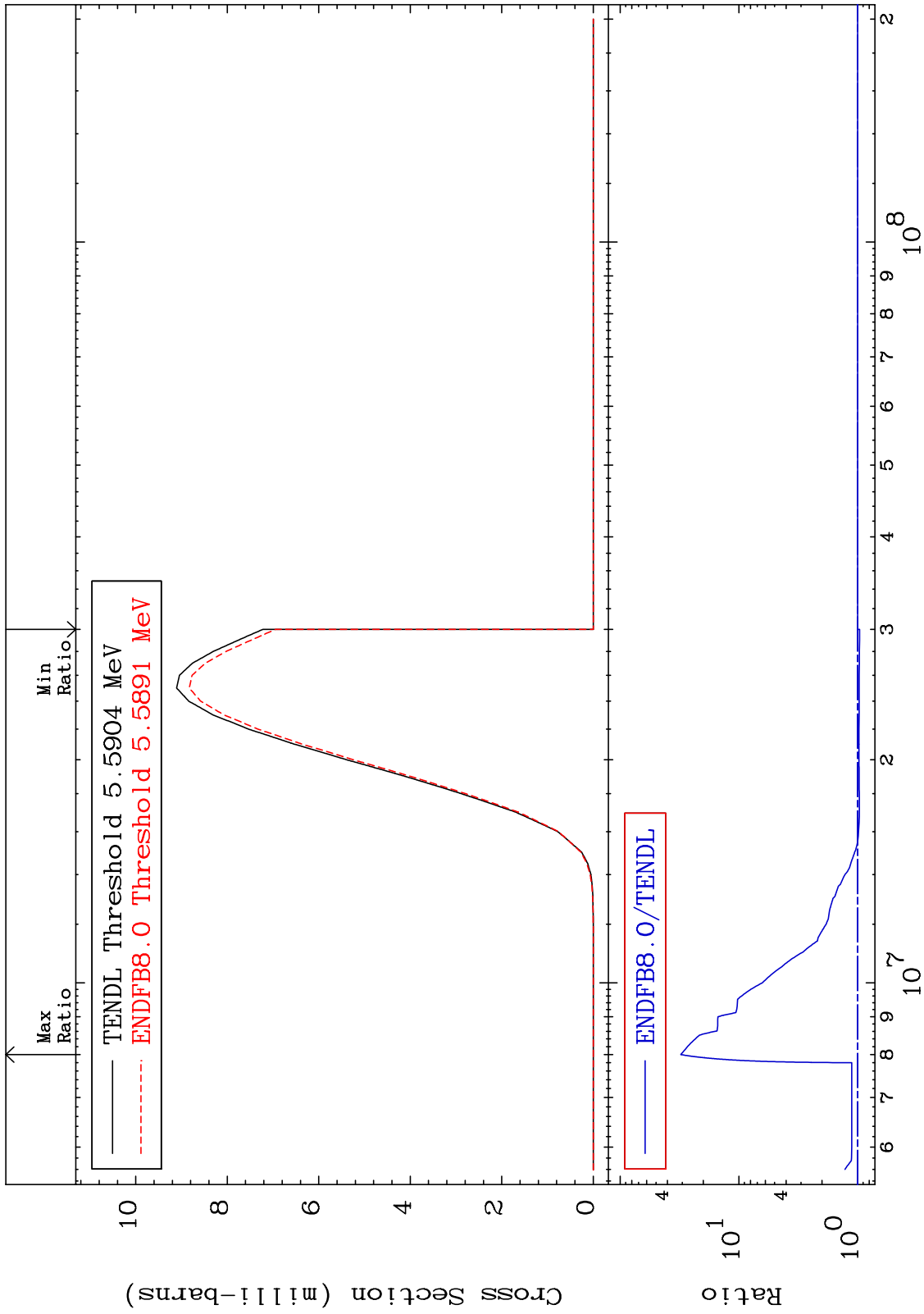
81

Incident Energy (eV)

36-Kr-81

MAT 3634

(n, n') α : 34-Se-77g 36-Kr-81
Radionuclide Production Cross Section -3.867 To 2988. %



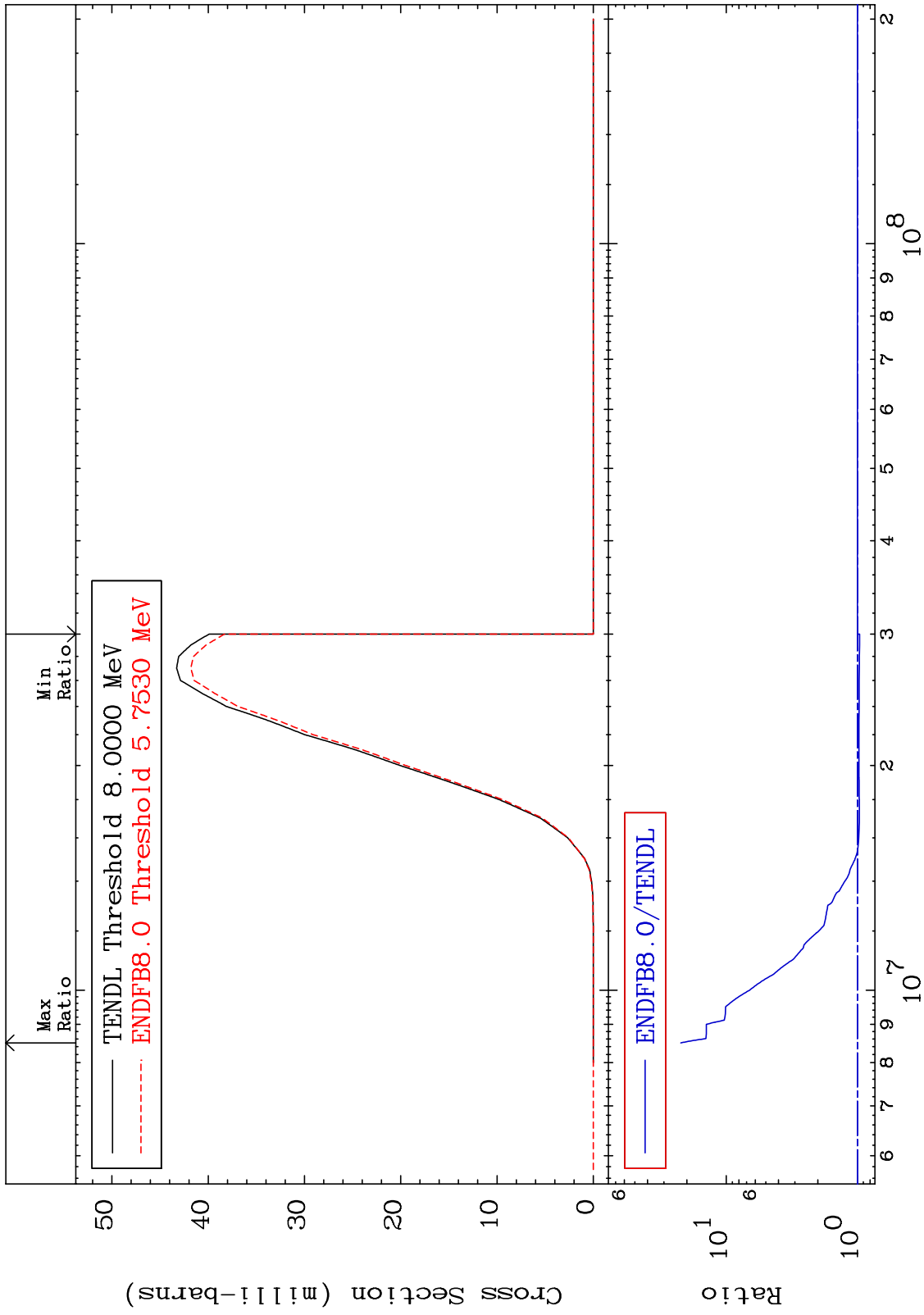
82

36-Kr-81

36-Kr-81

MAT 3634

(n, n') α :34-Se-77m1 36-Kr-81
Radionuclide Production Cross Section -4.014 To 2125. %

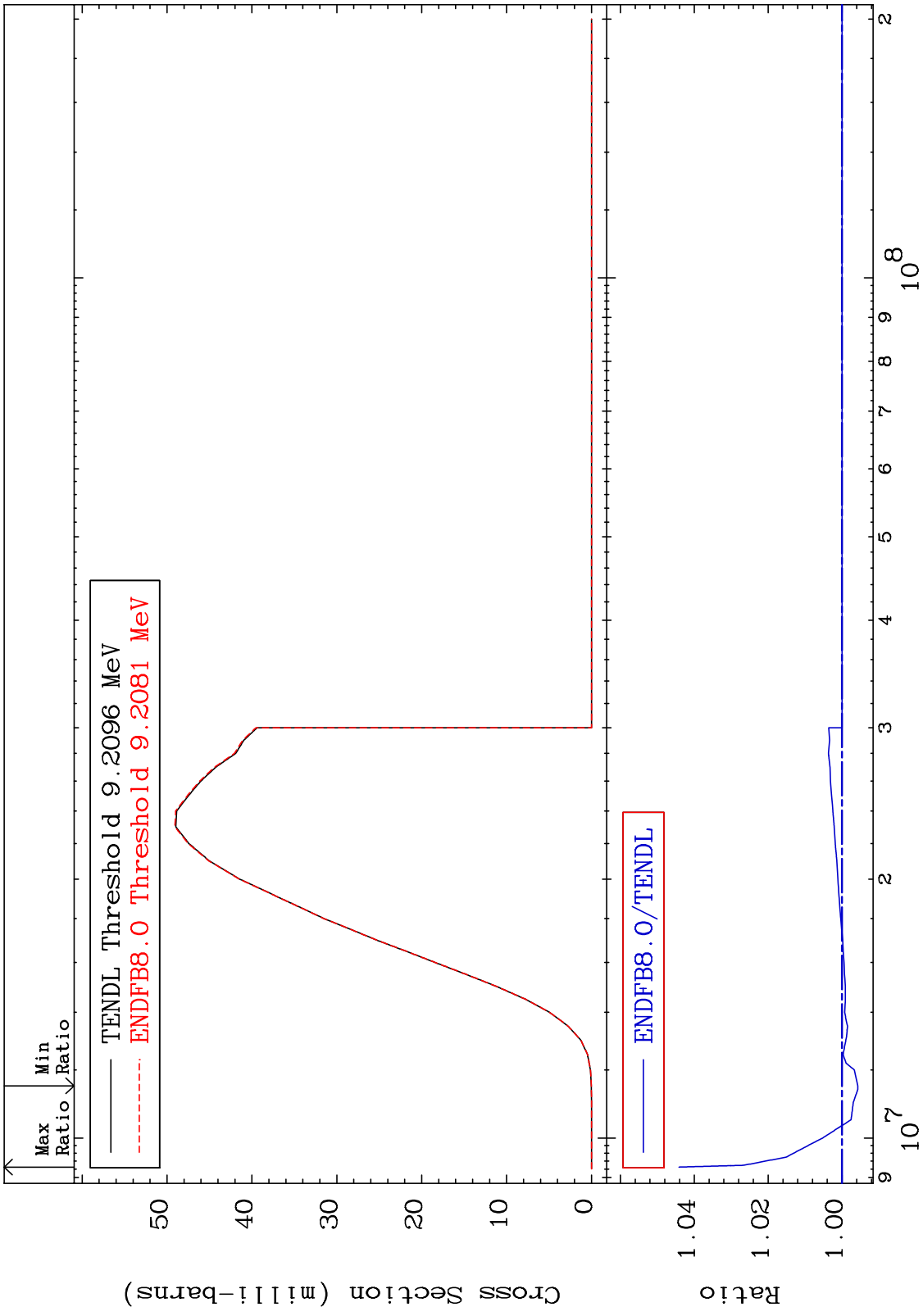


83

Incident Energy (eV)

36-Kr-81

MAT 3634 (n, n') p:35-Br-80g 36-Kr-81
 Radionuclide Production Cross Section -0.429 To 4.414 %

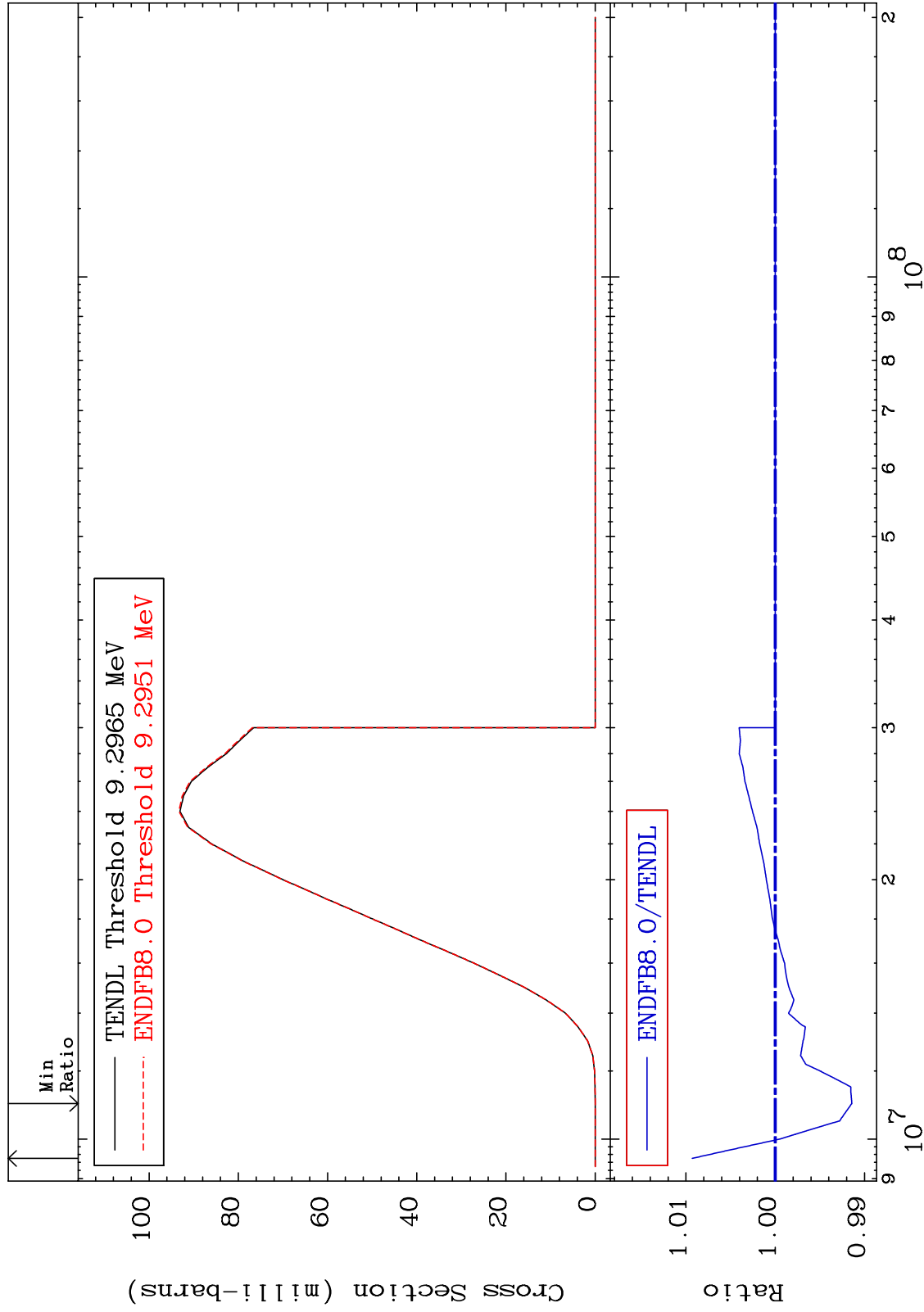


MAT 3634

(n, n') p:35-Br-80m2

36-Kr-81

Radionuclide Production Cross Section -0.857 To 0.930 %



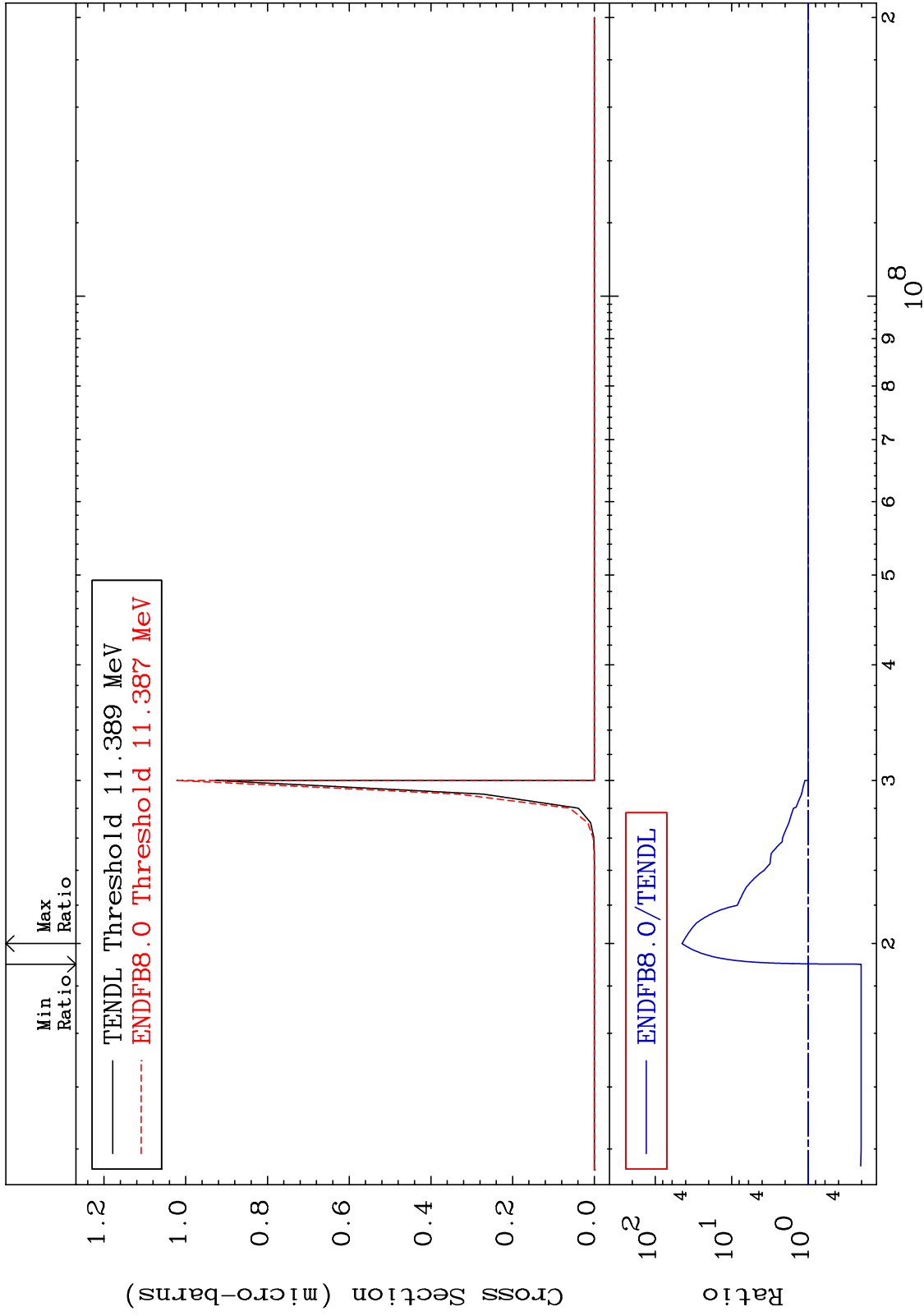
85

Incident Energy (eV)

36-Kr-81

MAT 3634

(n, n') 2α:32-Ge-73g 36-Kr-81
Radionuclide Production Cross Section -79.80 To 4360. %

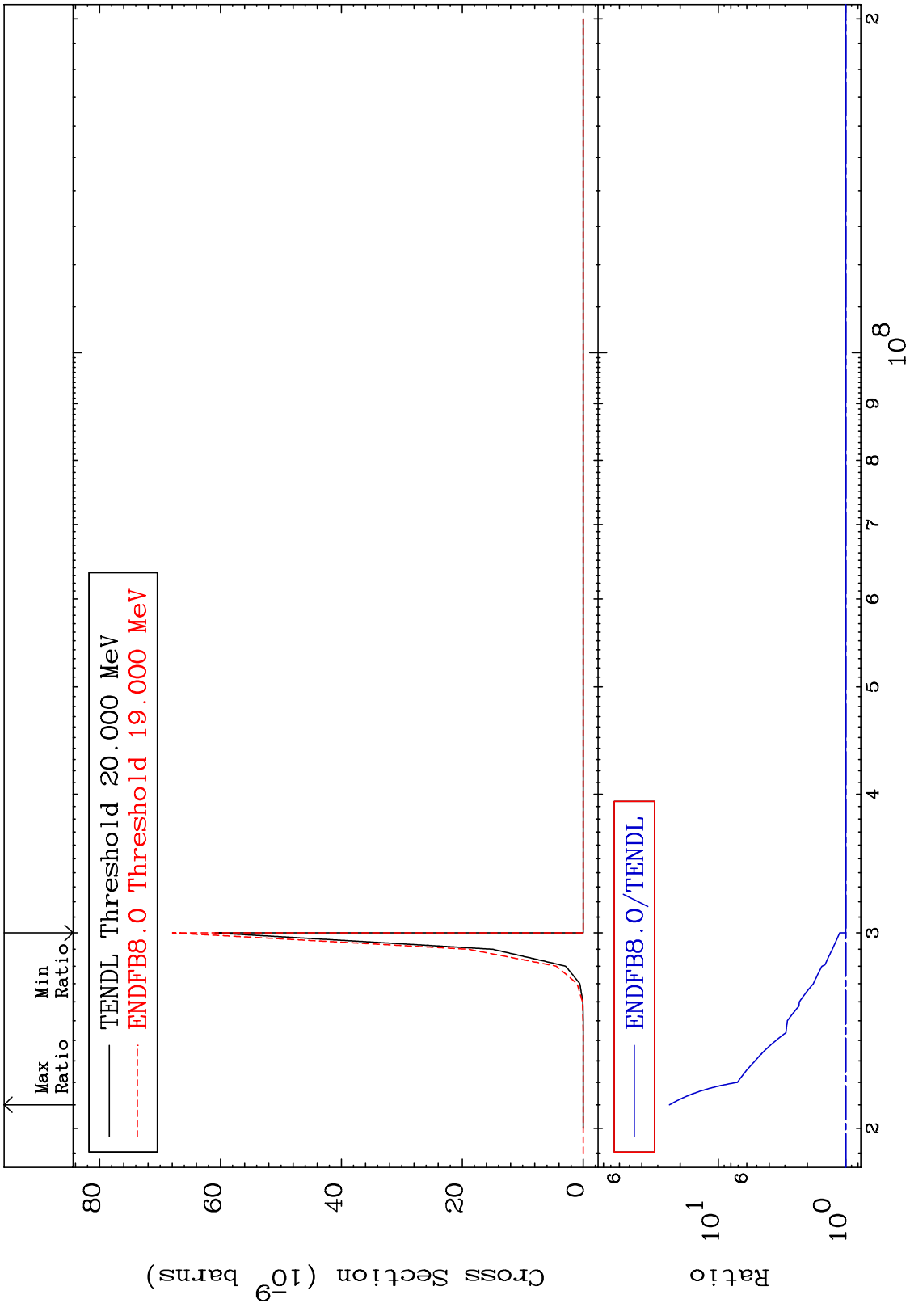


86

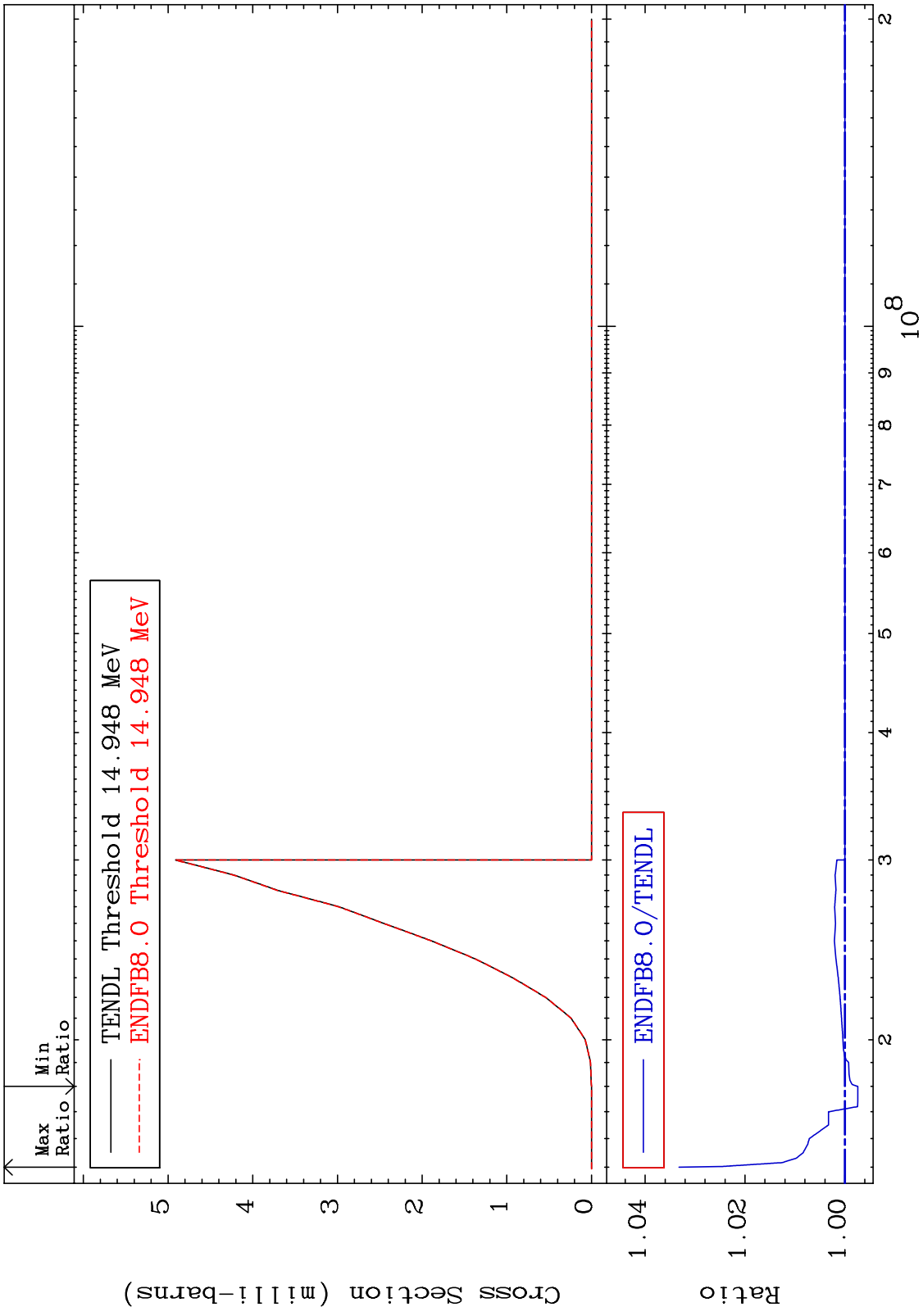
Incident Energy (eV)

36-Kr-81

MAT 3634 (n,n') 2α:32-Ge-73m2 36-Kr-81
 Radionuclide Production Cross Section 0.000 To 2324. %



MAT 3634 (n,n') d:35-Br-79g 36-Kr-81
 Radionuclide Production Cross Section -0.260 To 3.321 %

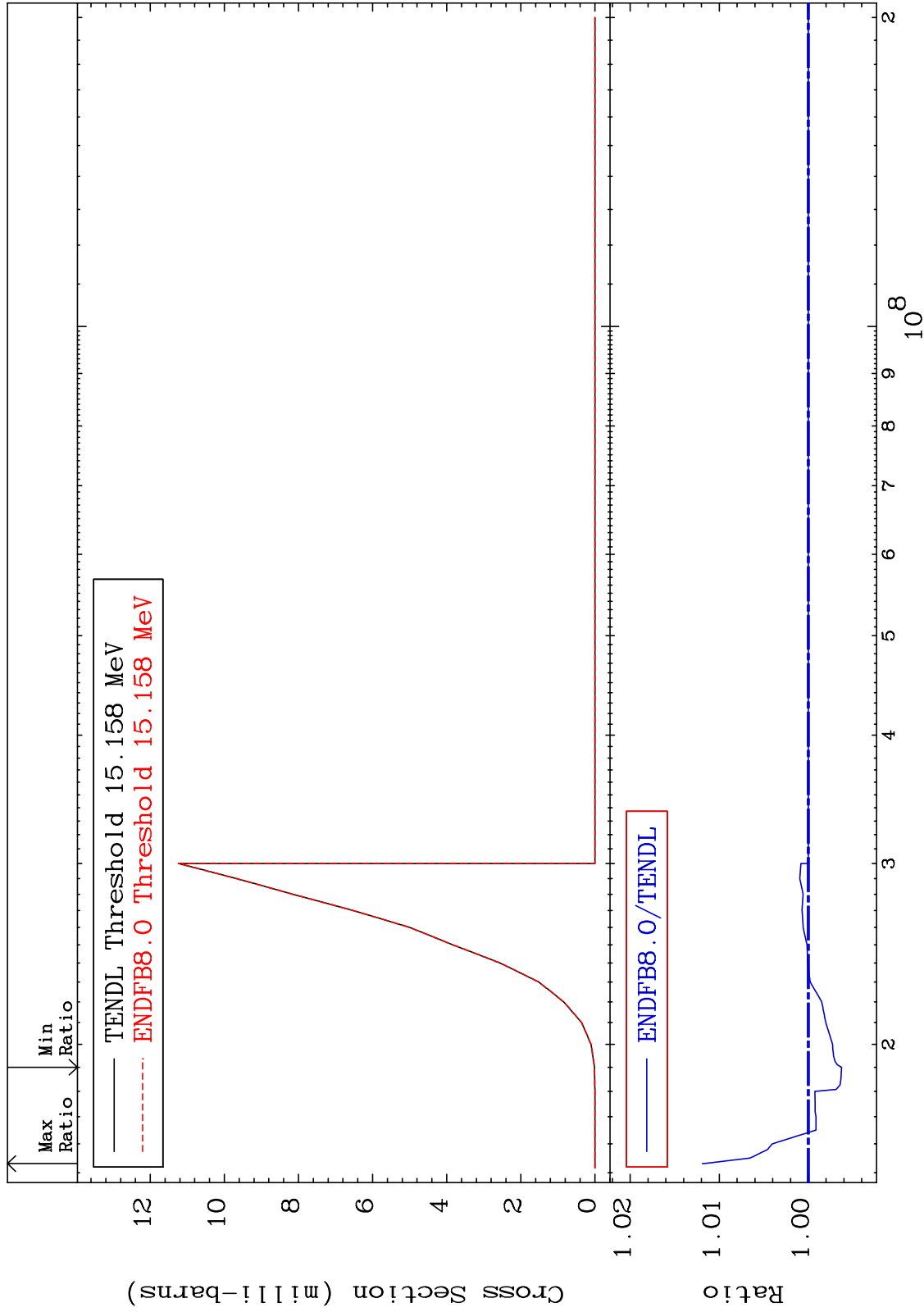


MAT 3634

(n, n') d:35-Br-79m1

36-Kr-81

Radionuclide Production Cross Section -0.372 To 1.191 %



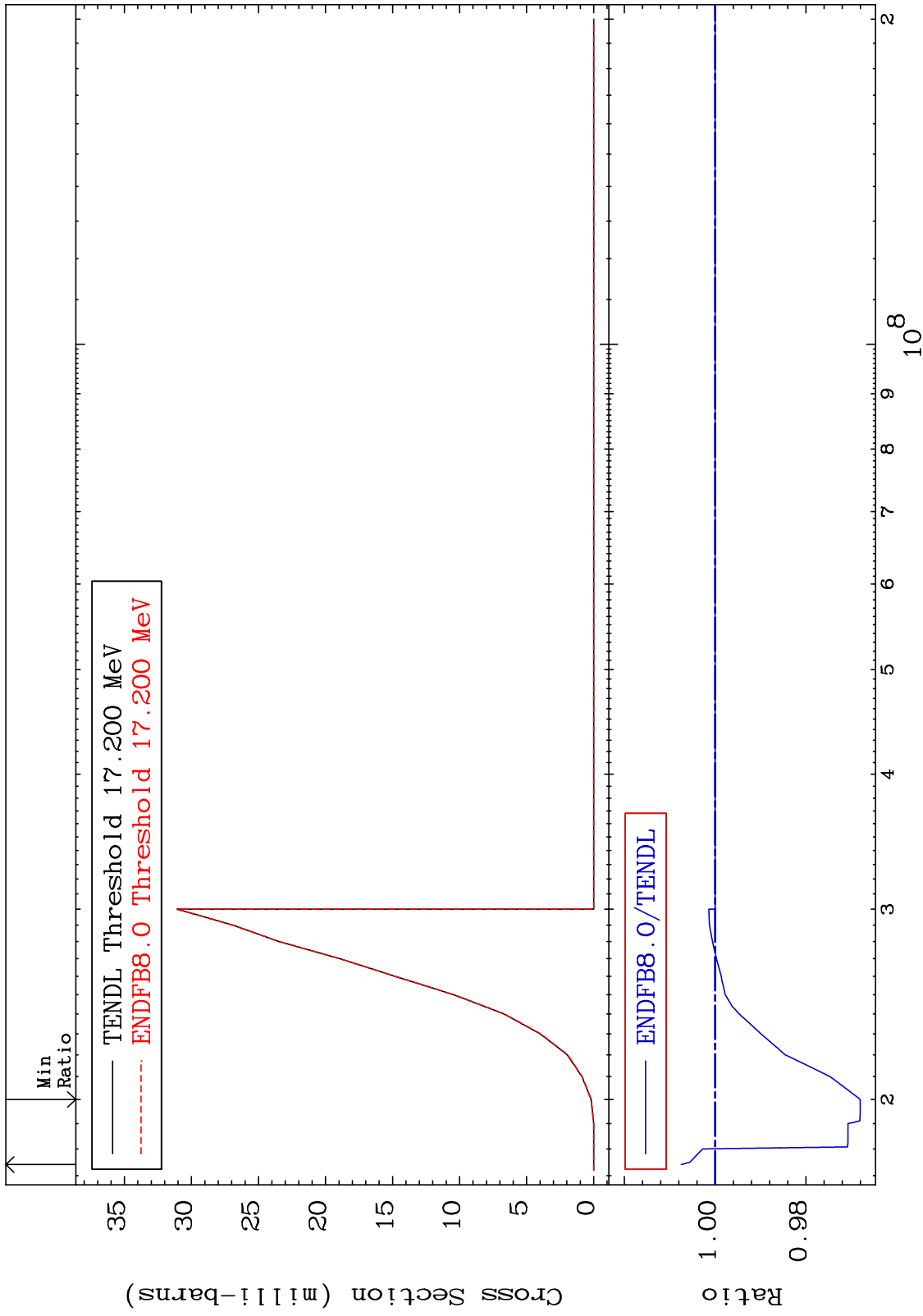
89

Incident Energy (eV)

36-Kr-81

MAT 3634

(n,2n) p:35-Br-79g 36-Kr-81
Radionuclide Production Cross Section -3.196 To 0.747 %



90

Incident Energy (eV)

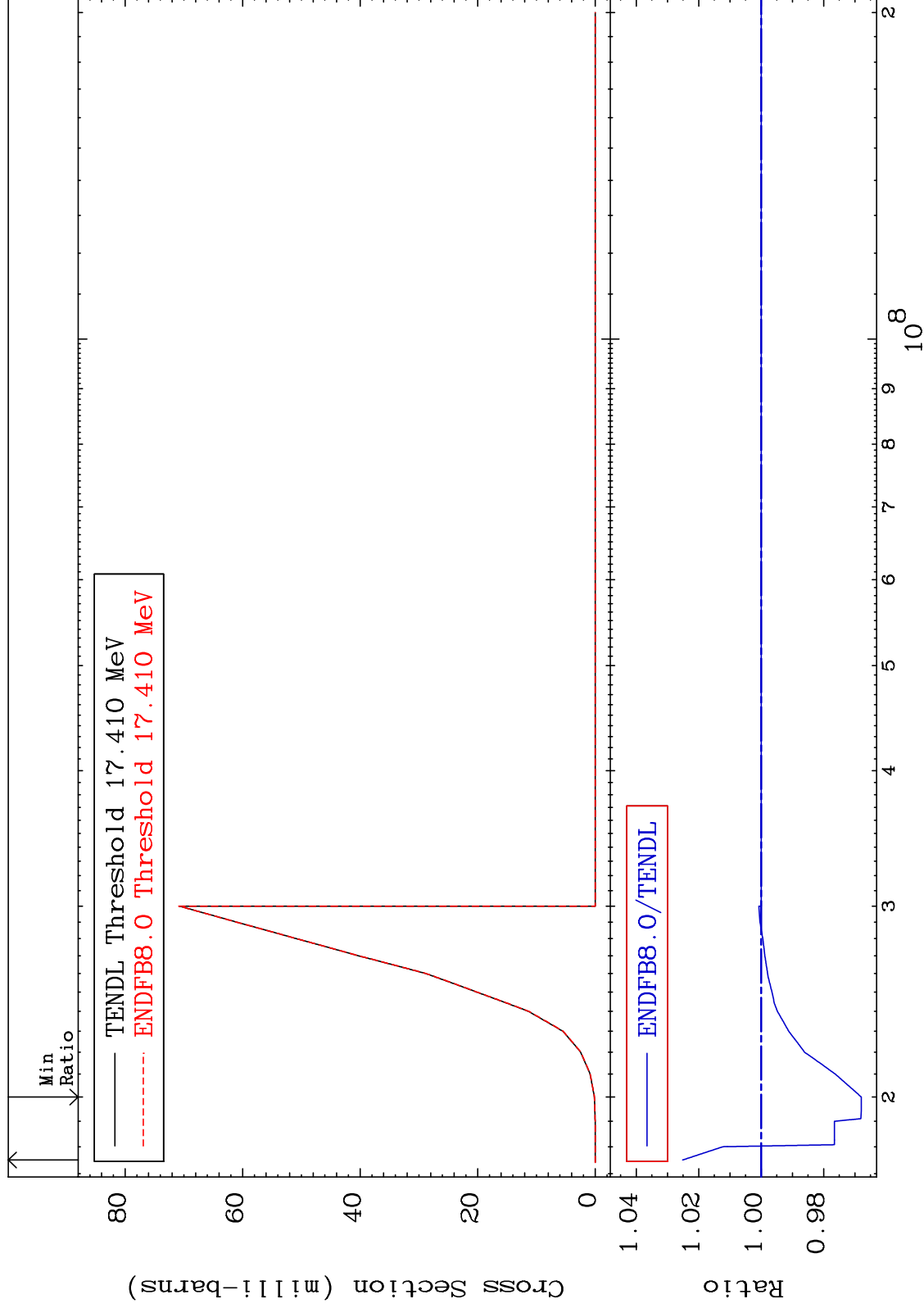
36-Kr-81

MAT 3634

(n,2n) p:35-Br-79m1

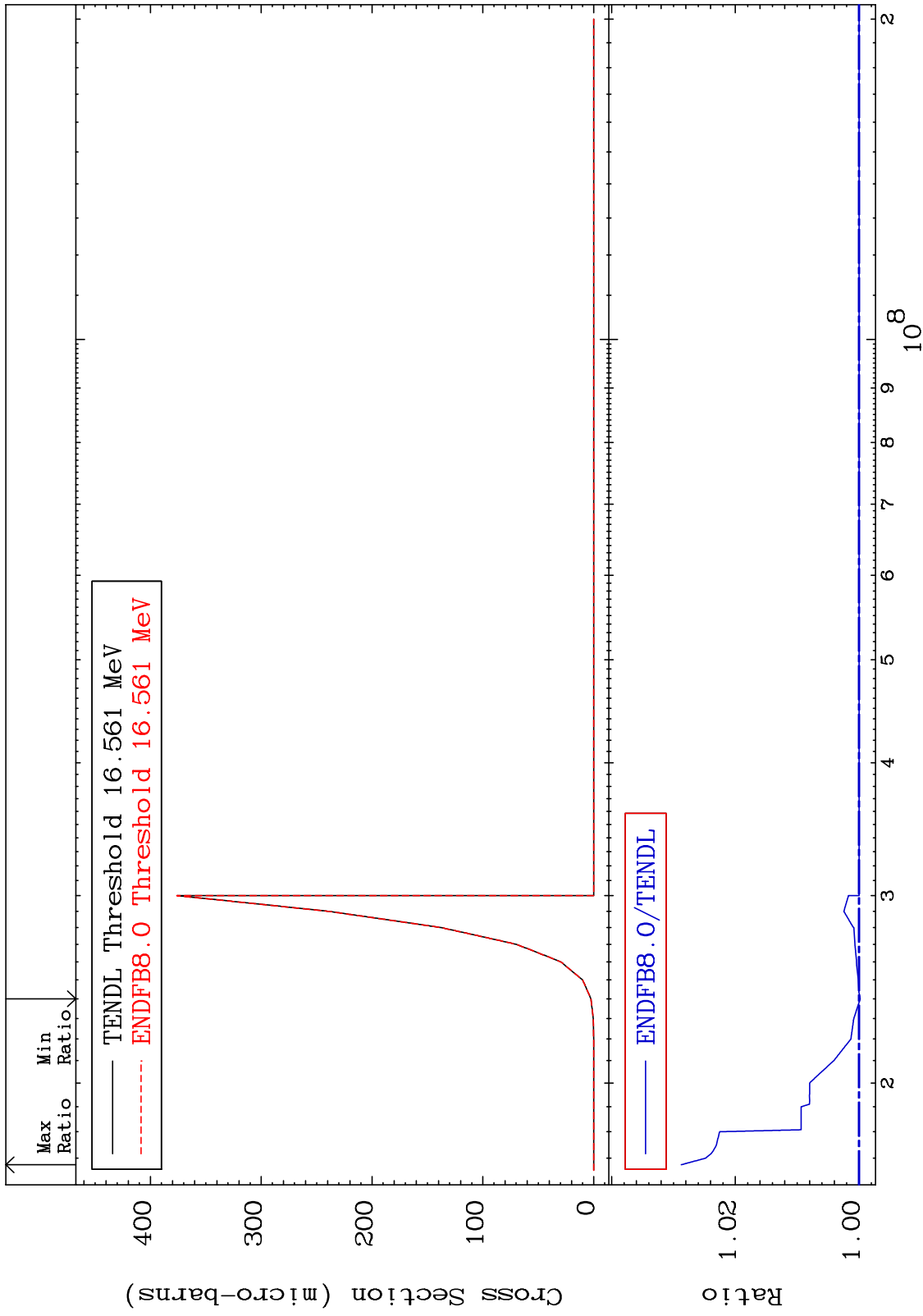
36-Kr-81

Radionuclide Production Cross Section -3.207 To 2.512 %



MAT 3634

(n,2n) p:34-Se-79g 36-Kr-81
Radionuclide Production Cross Section -0.020 To 2.875 %



92

Incident Energy (eV)

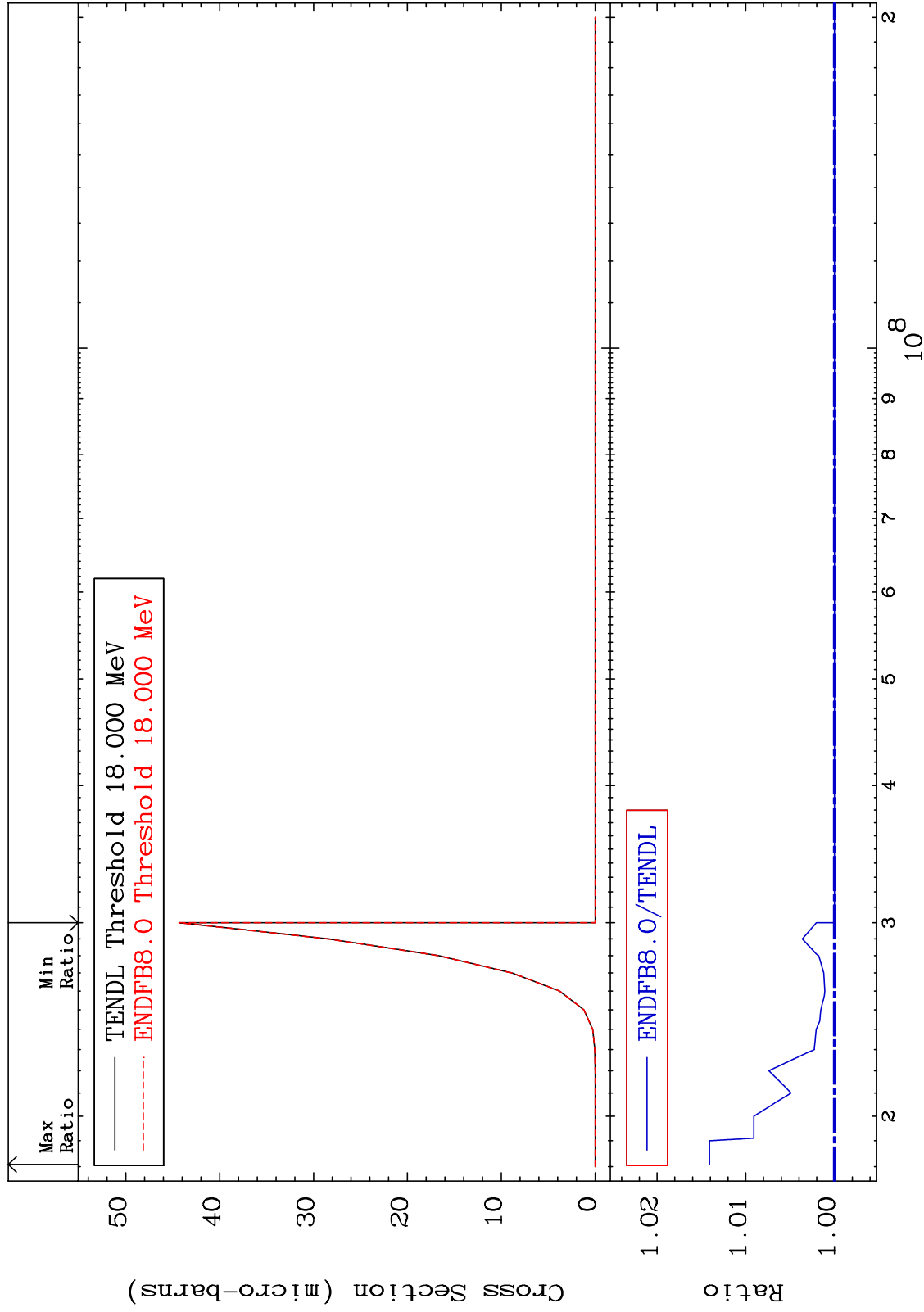
36-Kr-81

MAT 3634

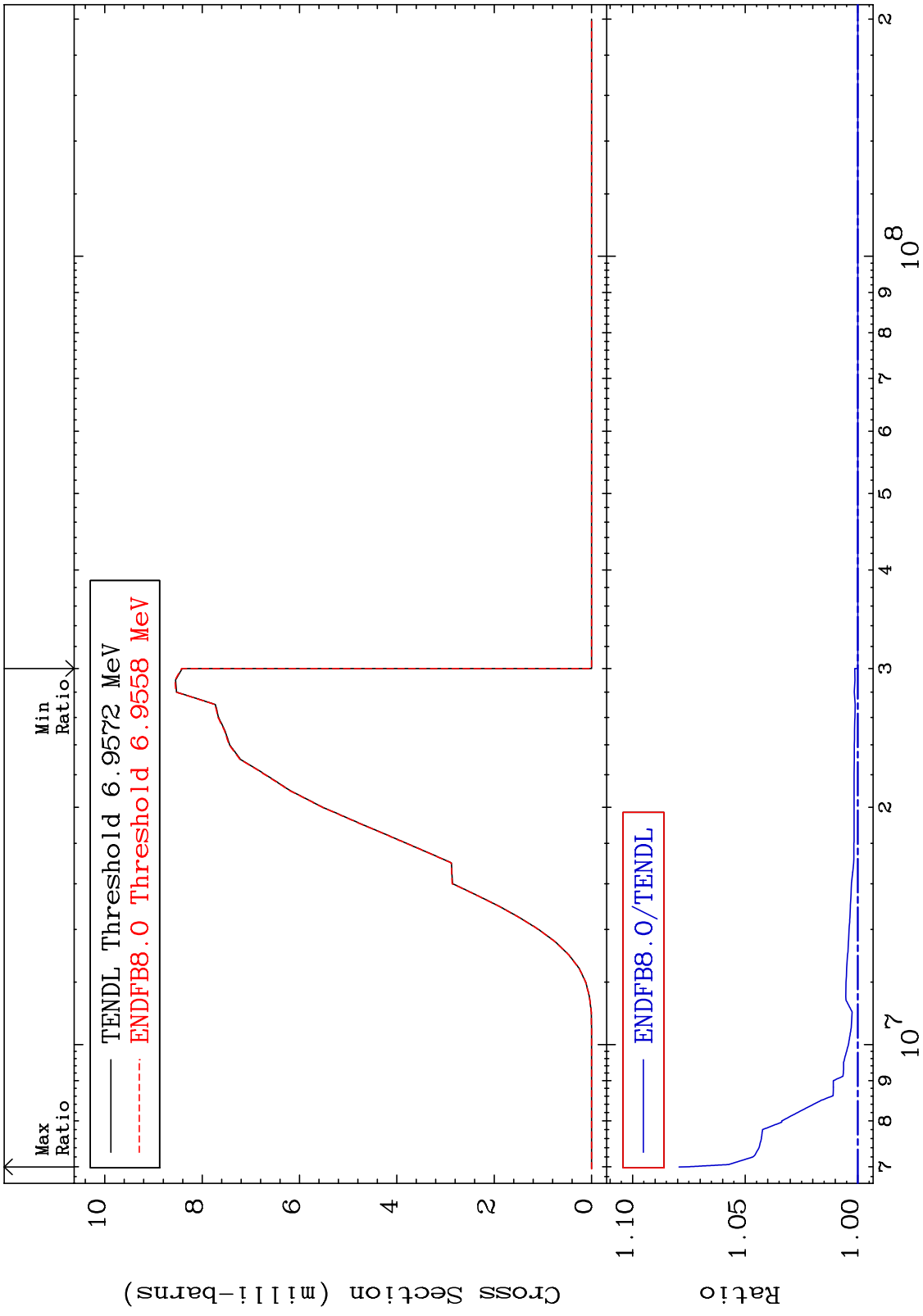
(n,2n) p:34-Se-79m1

36-Kr-81

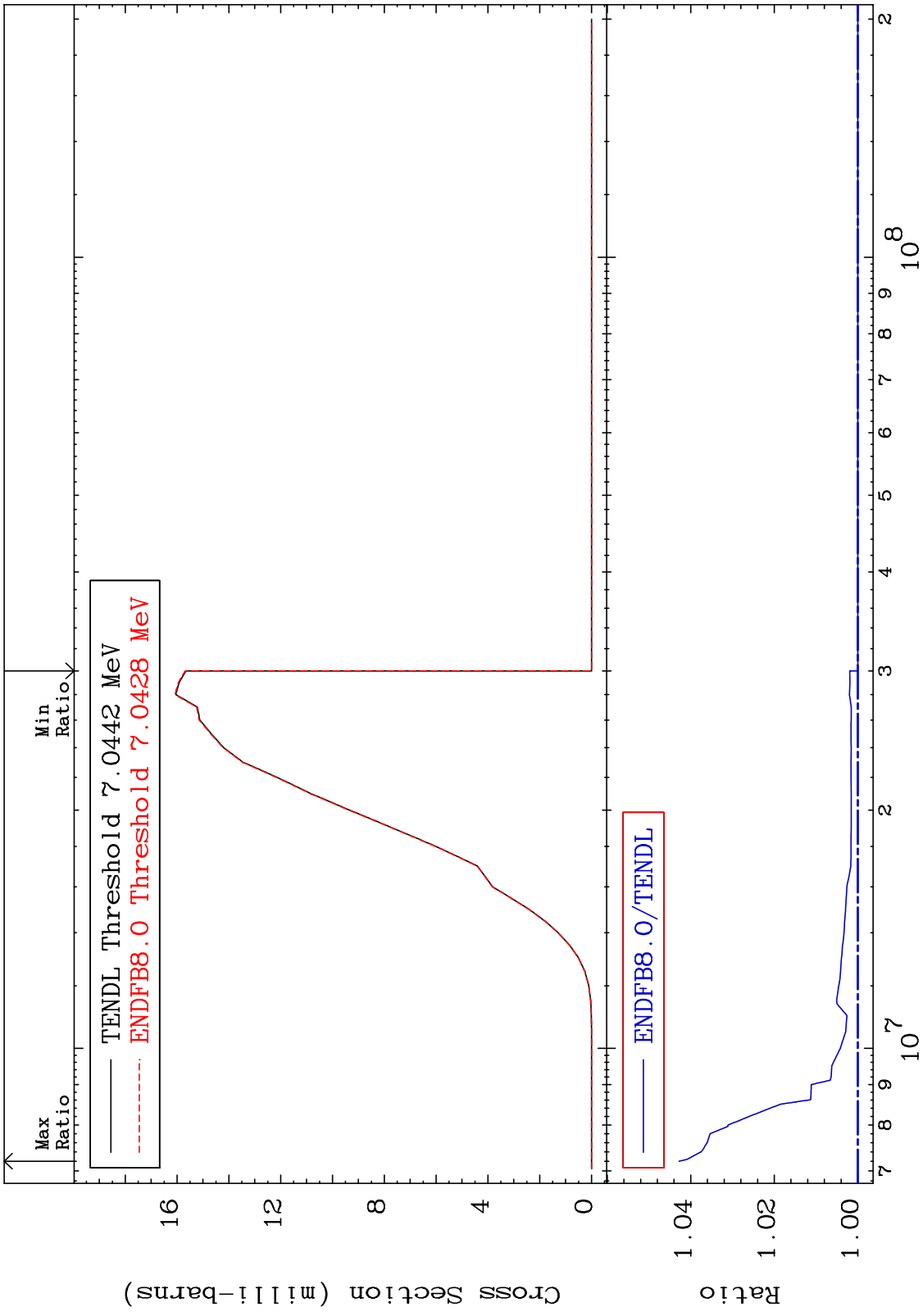
Radionuclide Production Cross Section 0.000 To 1.409 %



MAT 3634 (n,d):35-Br-80g 36-Kr-81
 Radionuclide Production Cross Section 0.000 To 7.937 %



MAT 3634 (n,d):35-Br-80m2 36-Kr-81
 Radionuclide Production Cross Section 0.000 To 4.280 %

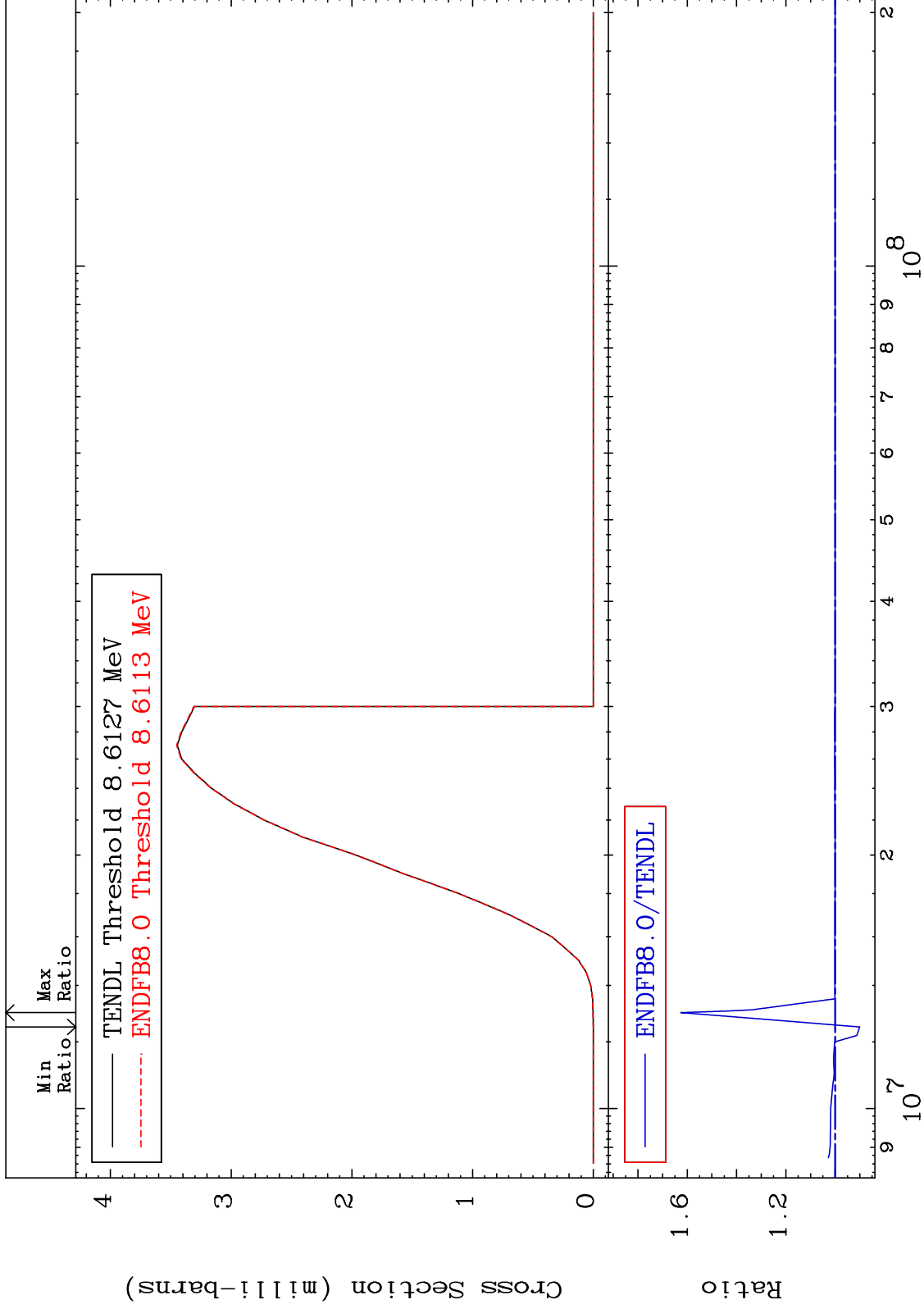


MAT 3634

(n, t) : 35-Br-79g

36-Kr-81

Radionuclide Production Cross Section -9.926 To 62.60 %



96

Incident Energy (eV)

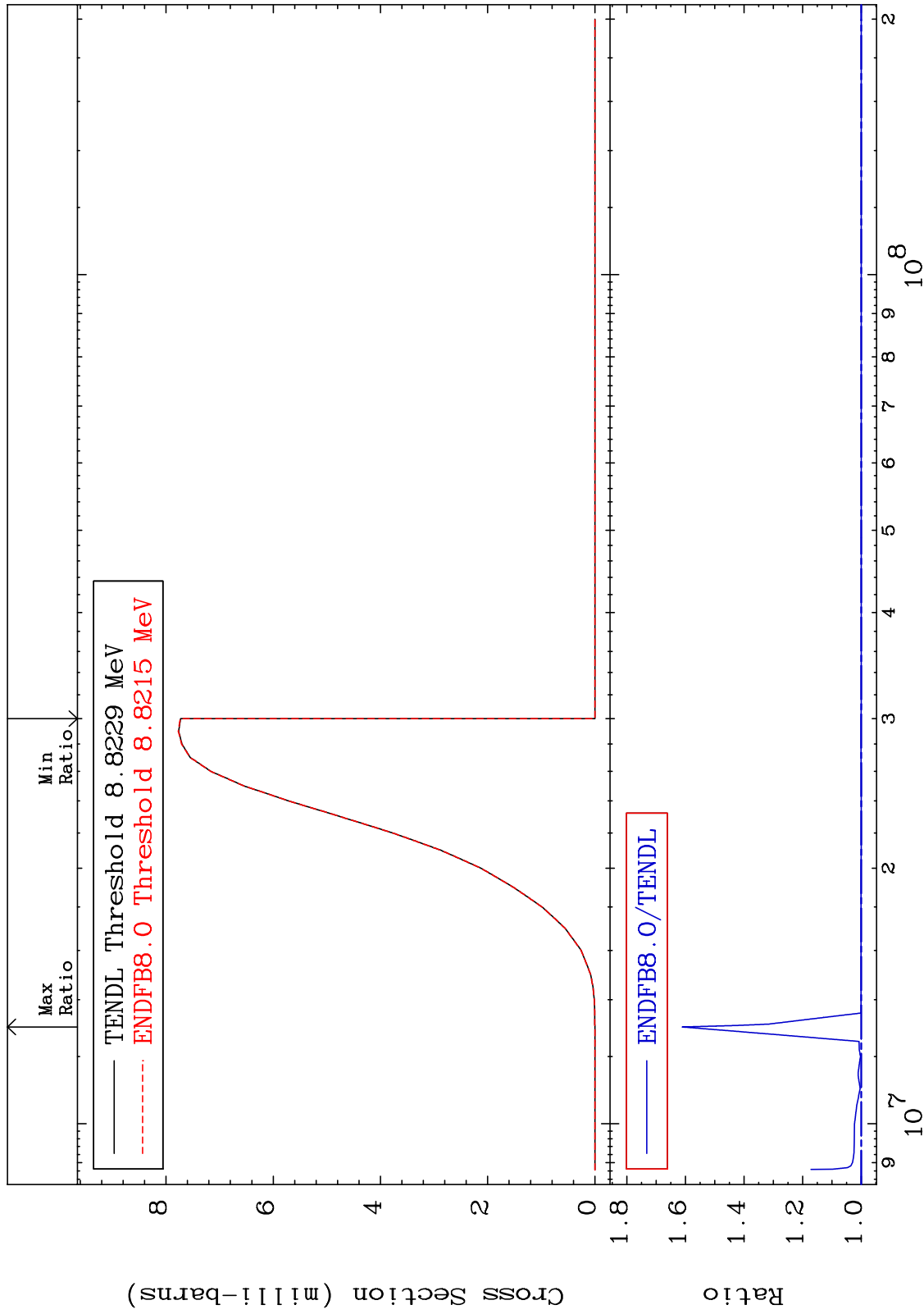
36-Kr-81

MAT 3634

(n, t) : 35-Br-79m1

36-Kr-81

Radionuclide Production Cross Section 0.000 To 61.00 %



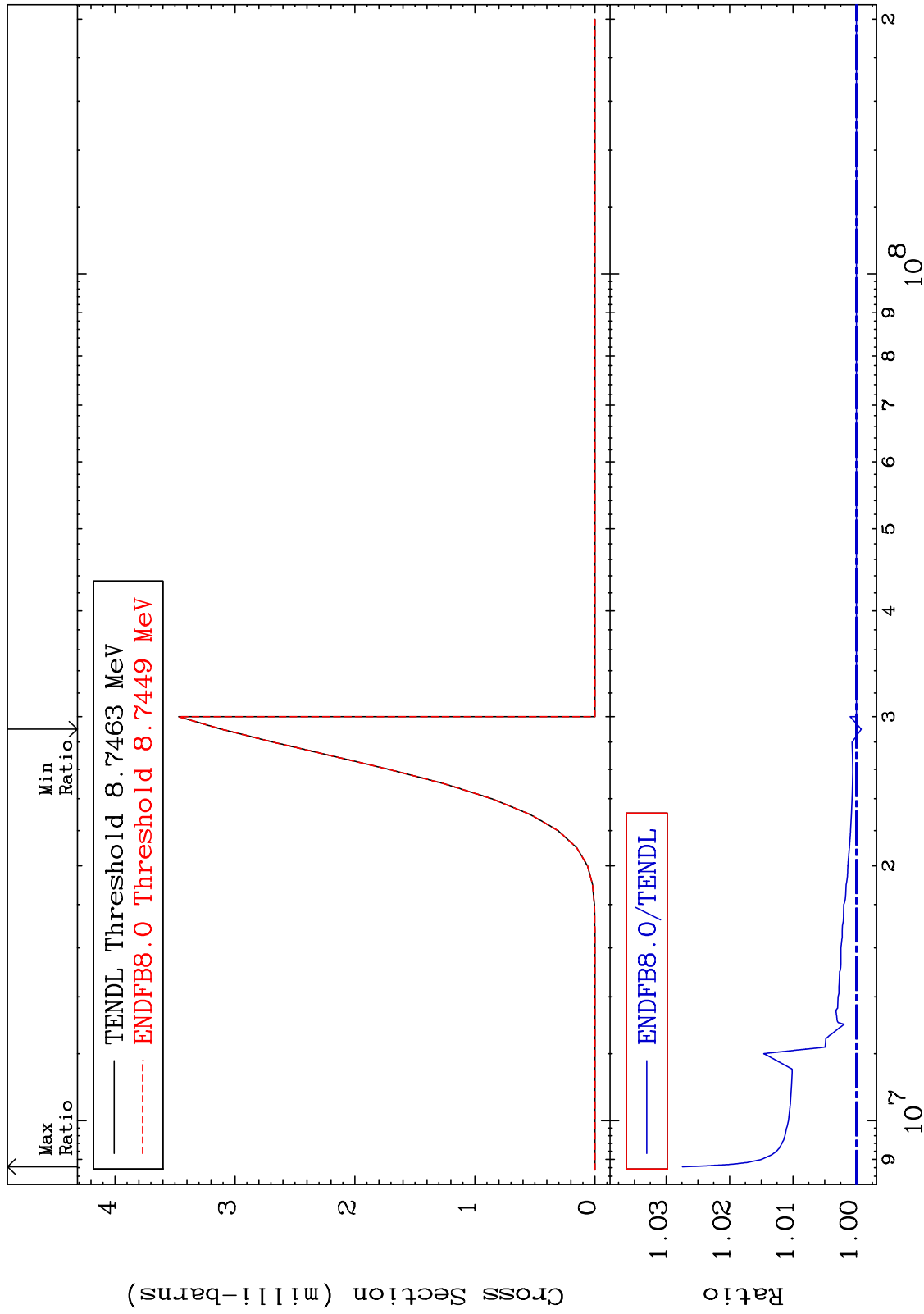
97

Incident Energy (eV)

36-Kr-81

MAT 3634

(n,He-3) : 34-Se-79g 36-Kr-81
Radionuclide Production Cross Section -0.076 To 2.743 %



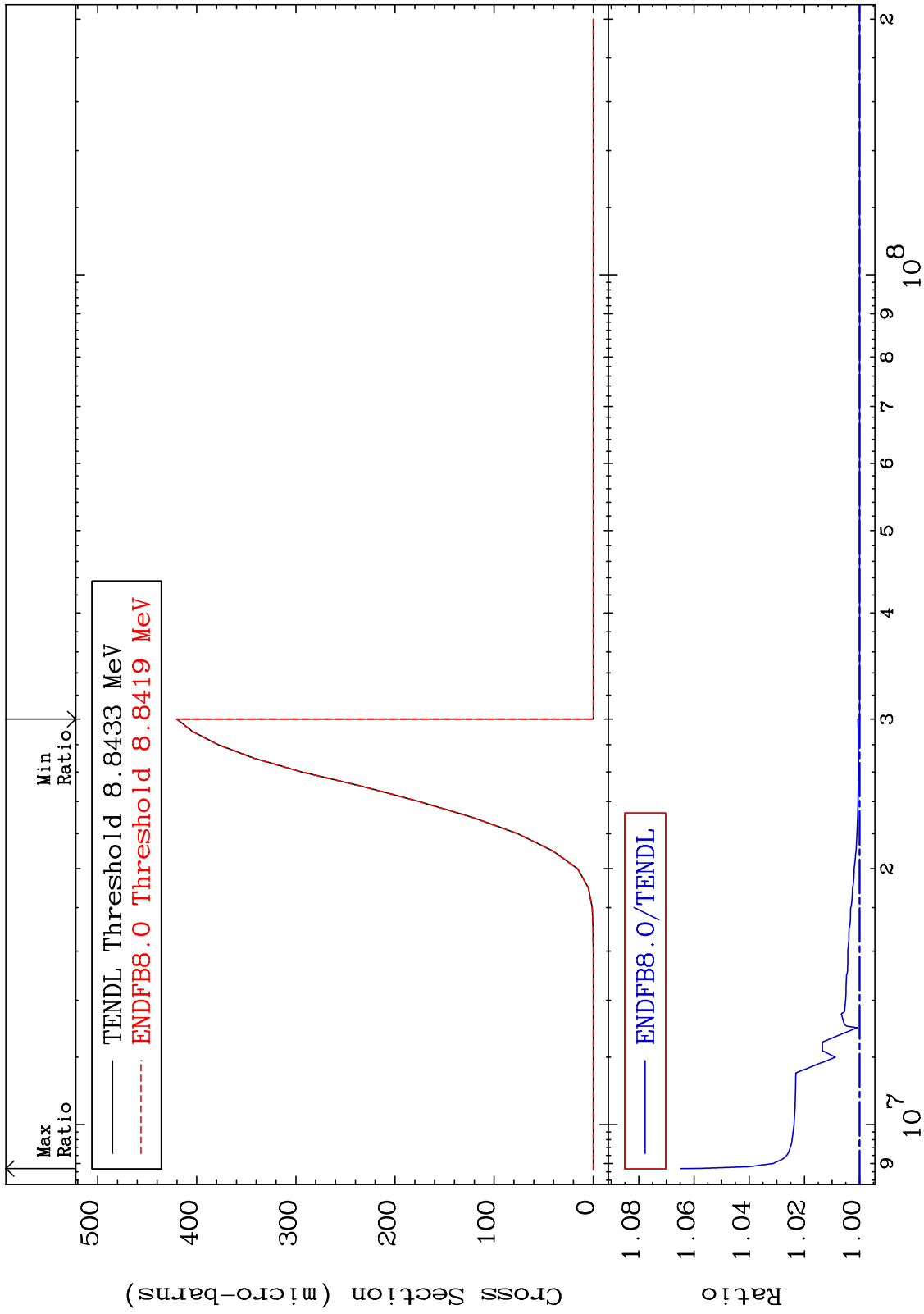
98

Incident Energy (eV)

36-Kr-81

MAT 3634

(n, He-3) : 34-Se-79m1 36-Kr-81
Radionuclide Production Cross Section 0.000 To 6.478 %



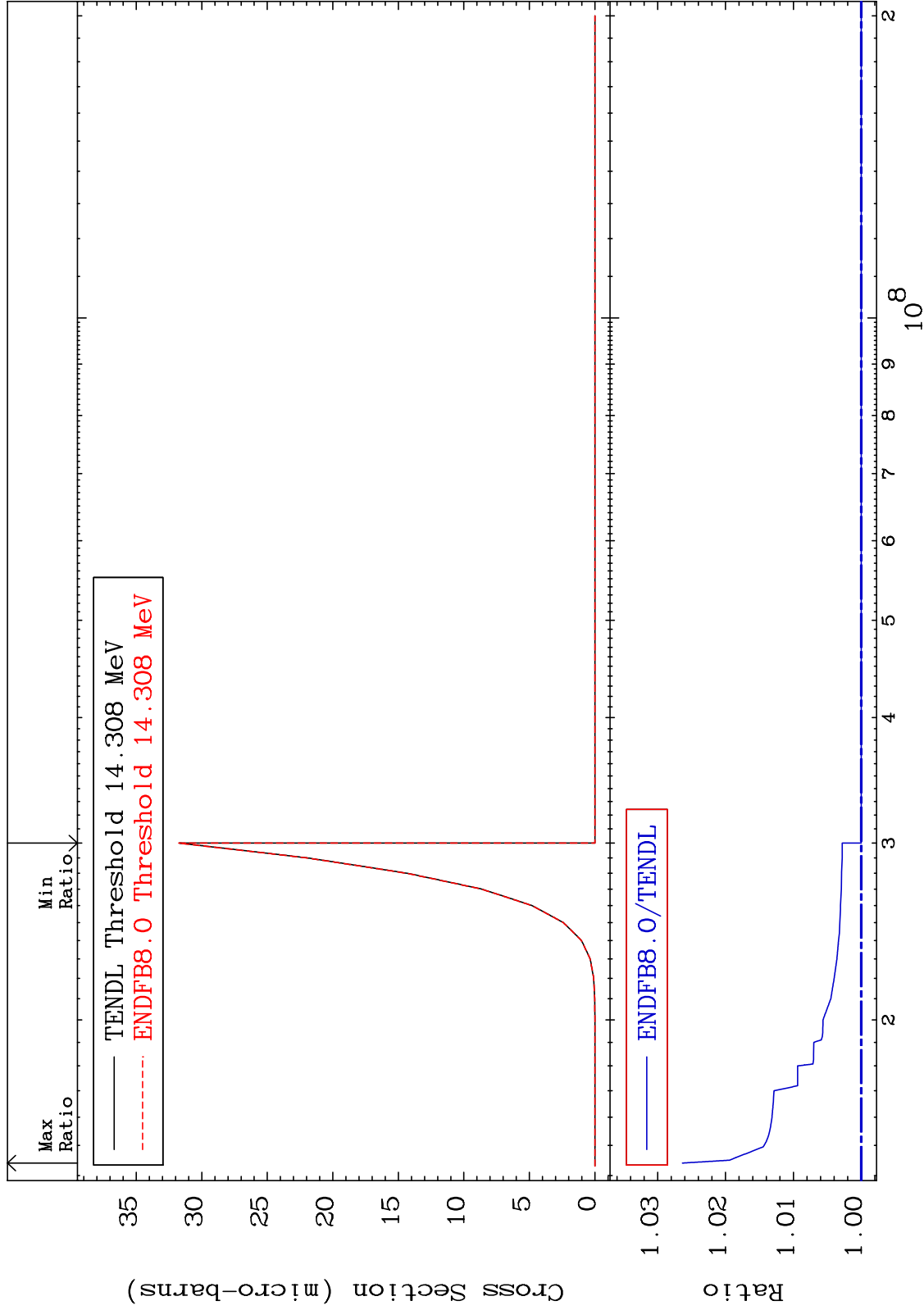
36-Kr-81

MAT 3634

(n,p) d:34-Se-79g

36-Kr-81

Radionuclide Production Cross Section 0.000 To 2.635 %



100

Incident Energy (eV)

36-Kr-81

MAT 3634

(n,p) d:34-Se-79m1

36-Kr-81

Radionuclide Production Cross Section 0.000 To 3.281 %

