

Program Complot
(Version 2018-1)

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
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

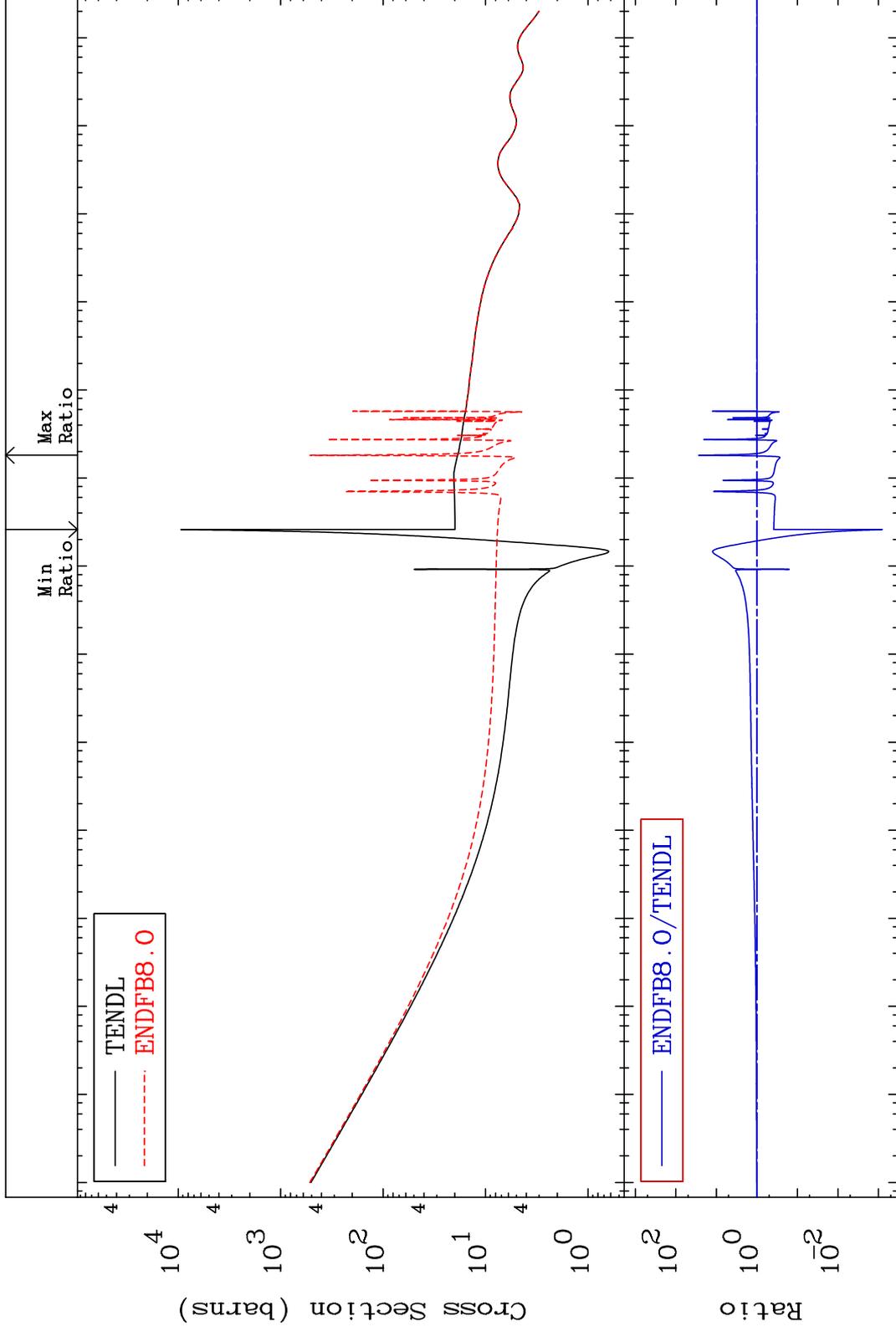
MAT 8431

Total

84-Po-208

Cross Section

-99.92 To 2664. %



10⁴ 10³ 10² 10¹ 10⁰ 10⁻¹ 10⁻² 10⁻³ 10⁻⁴ 10⁻⁵ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

Incident Energy (eV)

84-Po-208

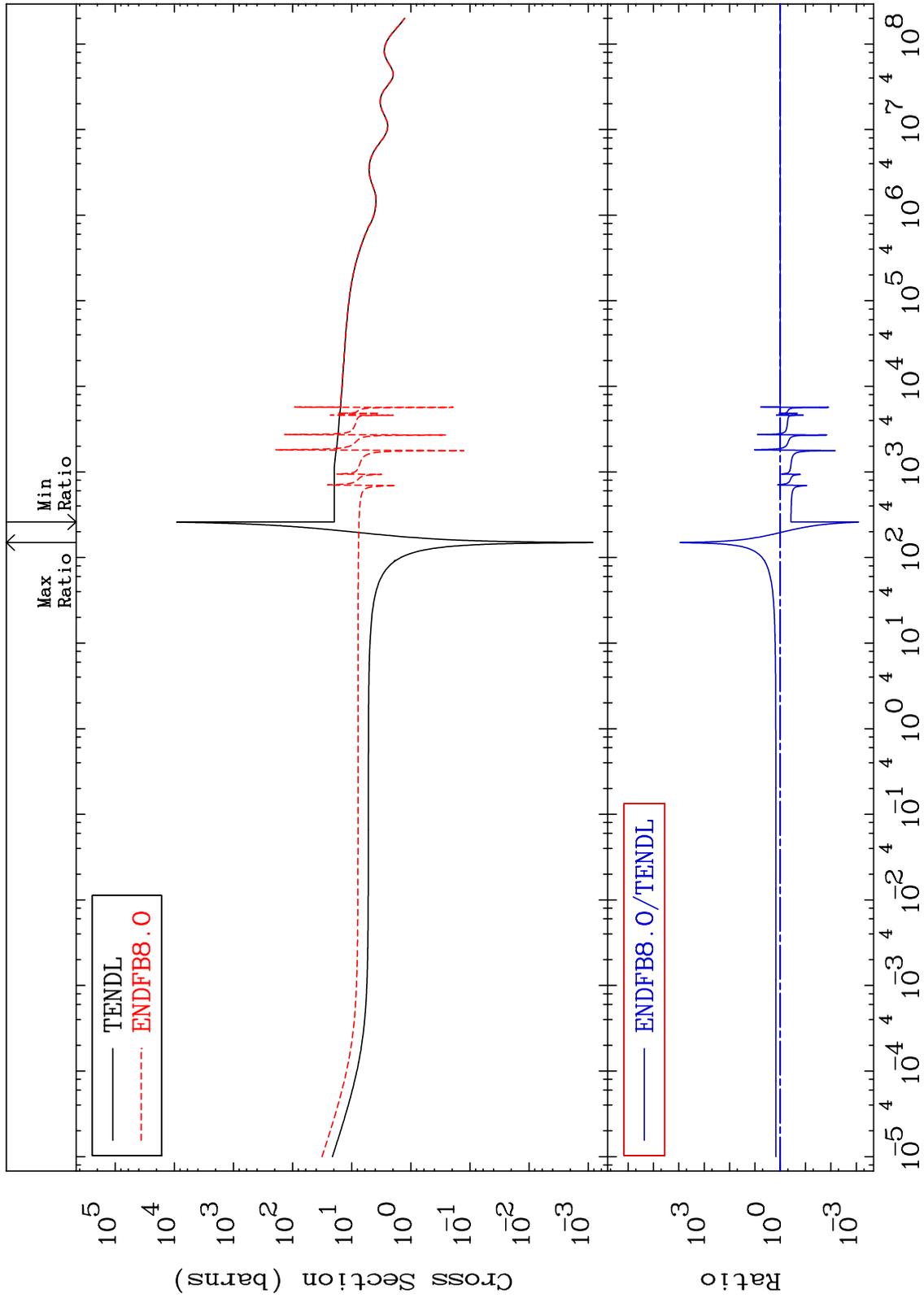
MAT 8431

Elastic

84-Po-208

Cross Section

-99.92 To 9999. %

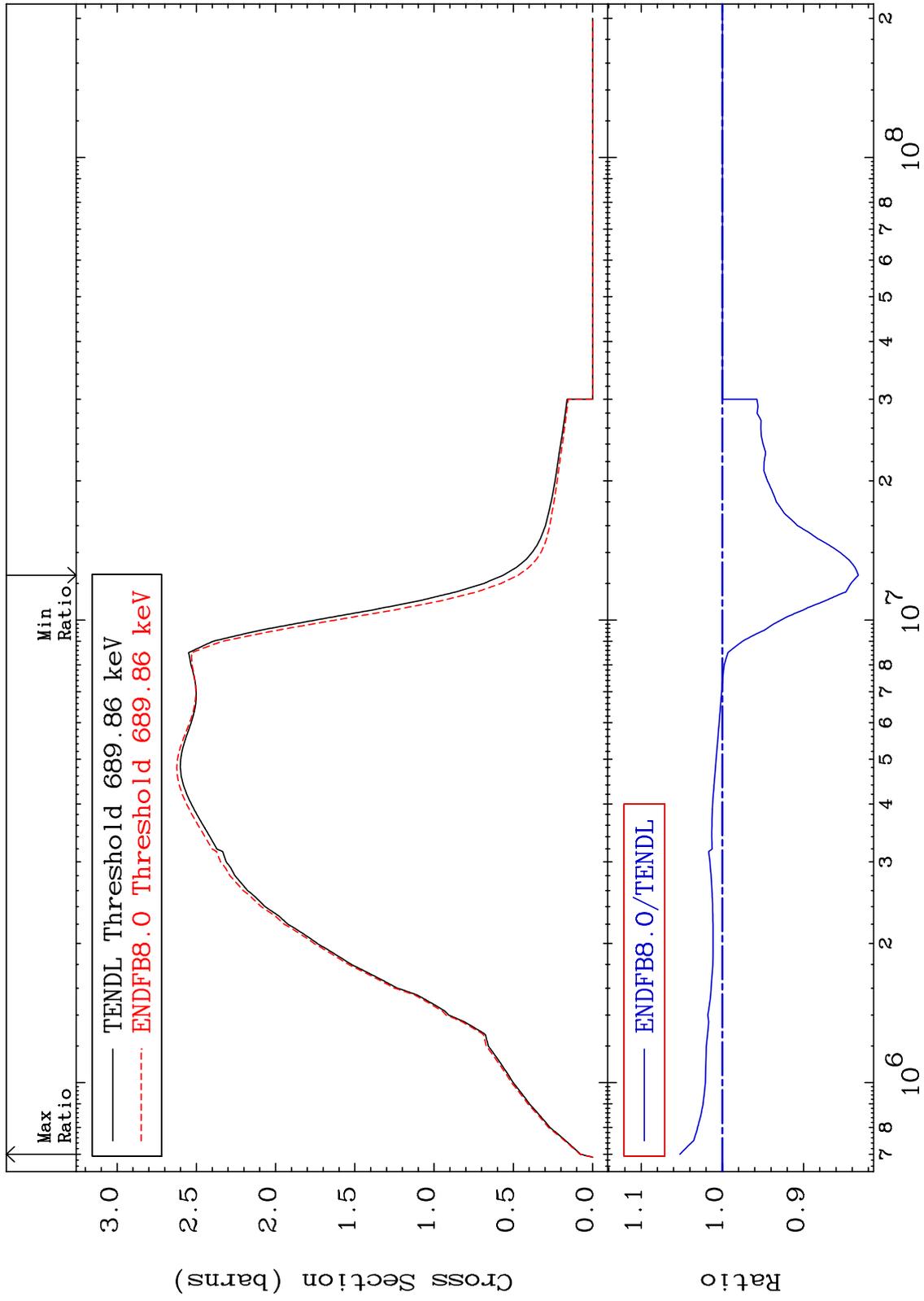


MAT 8431

Inelastic
Cross Section

84-Po-208

-16.76 To 5.222 %



3

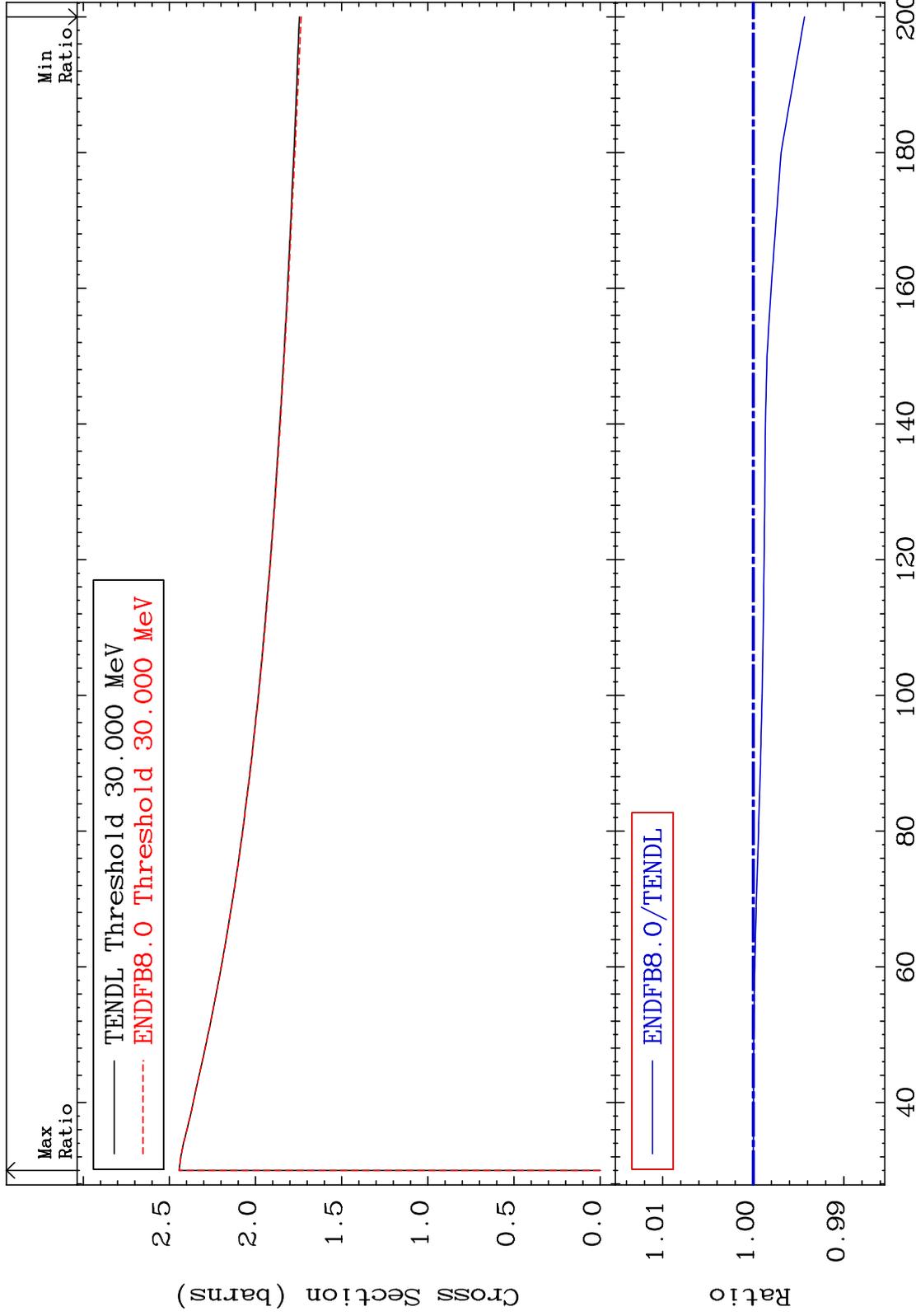
Incident Energy (eV)

84-Po-208

MAT 8431

(n, remainder)
Cross Section

84-Po-208
-0.565 To 0.000 %



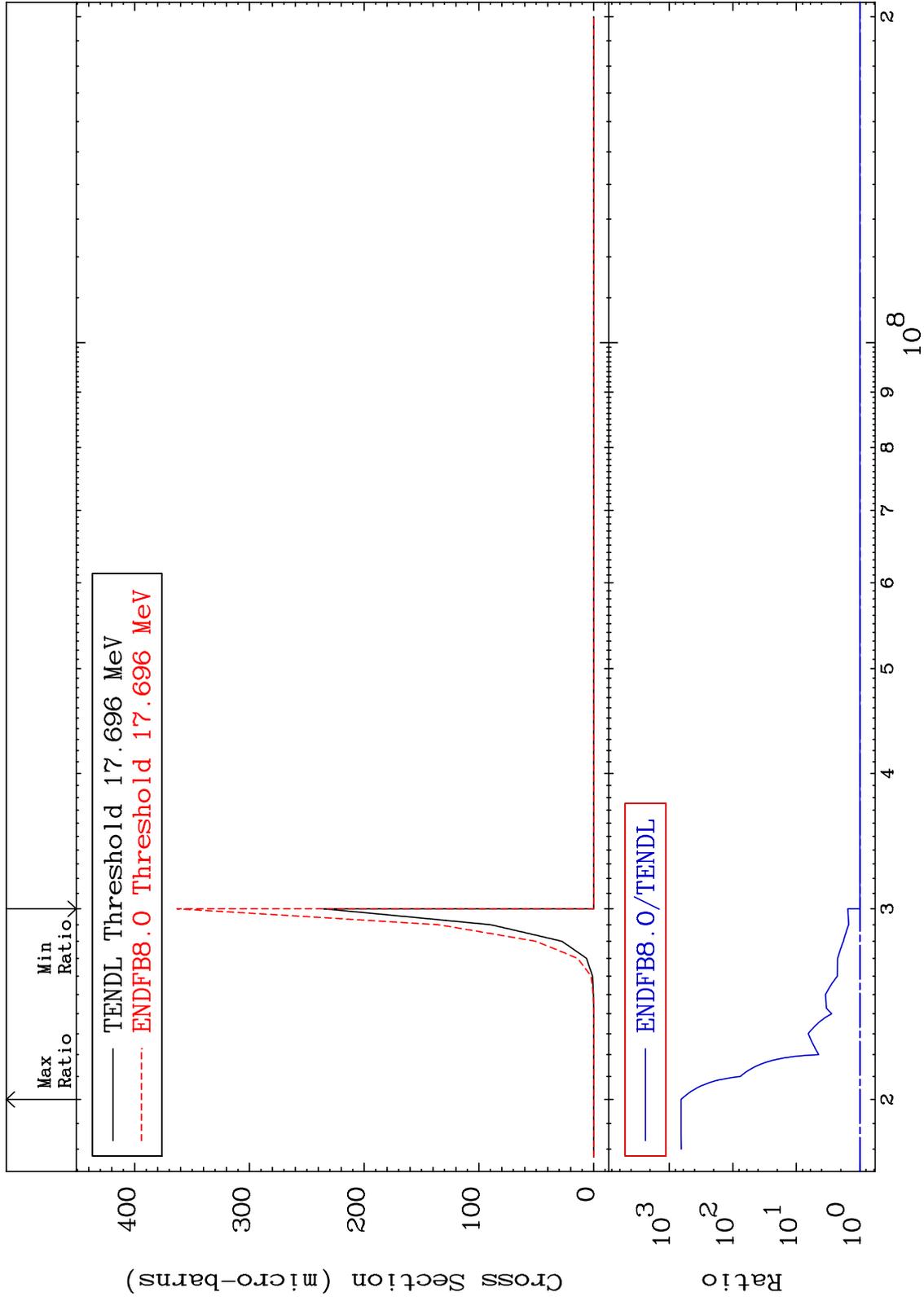
MAT 8431

(n,2n) d

84-Po-208

Cross Section

0.000 To 9999. %



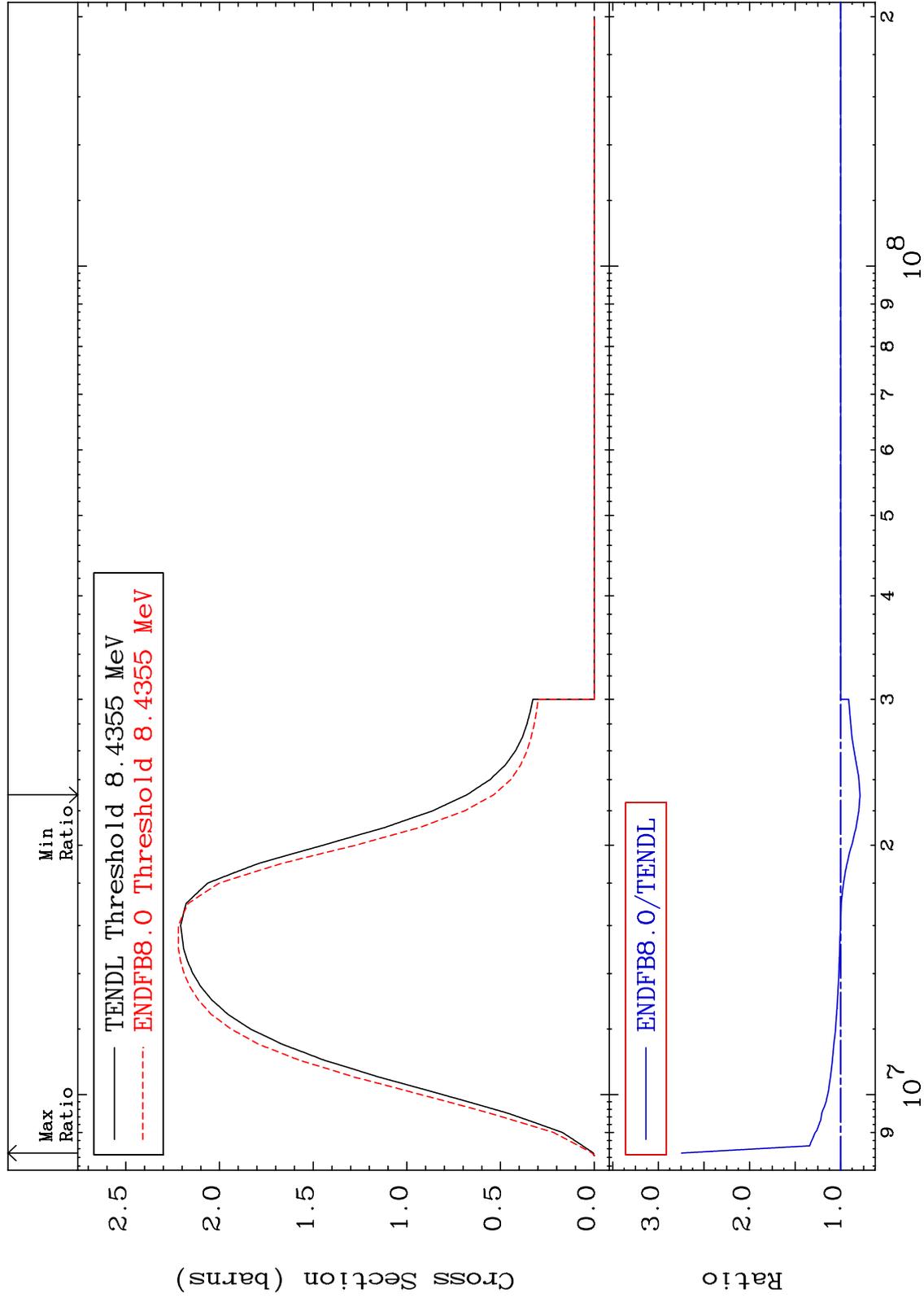
MAT 8431

(n,2n)

84-Po-208

Cross Section

-21.10 To 174.5 %



Incident Energy (eV)

84-Po-208

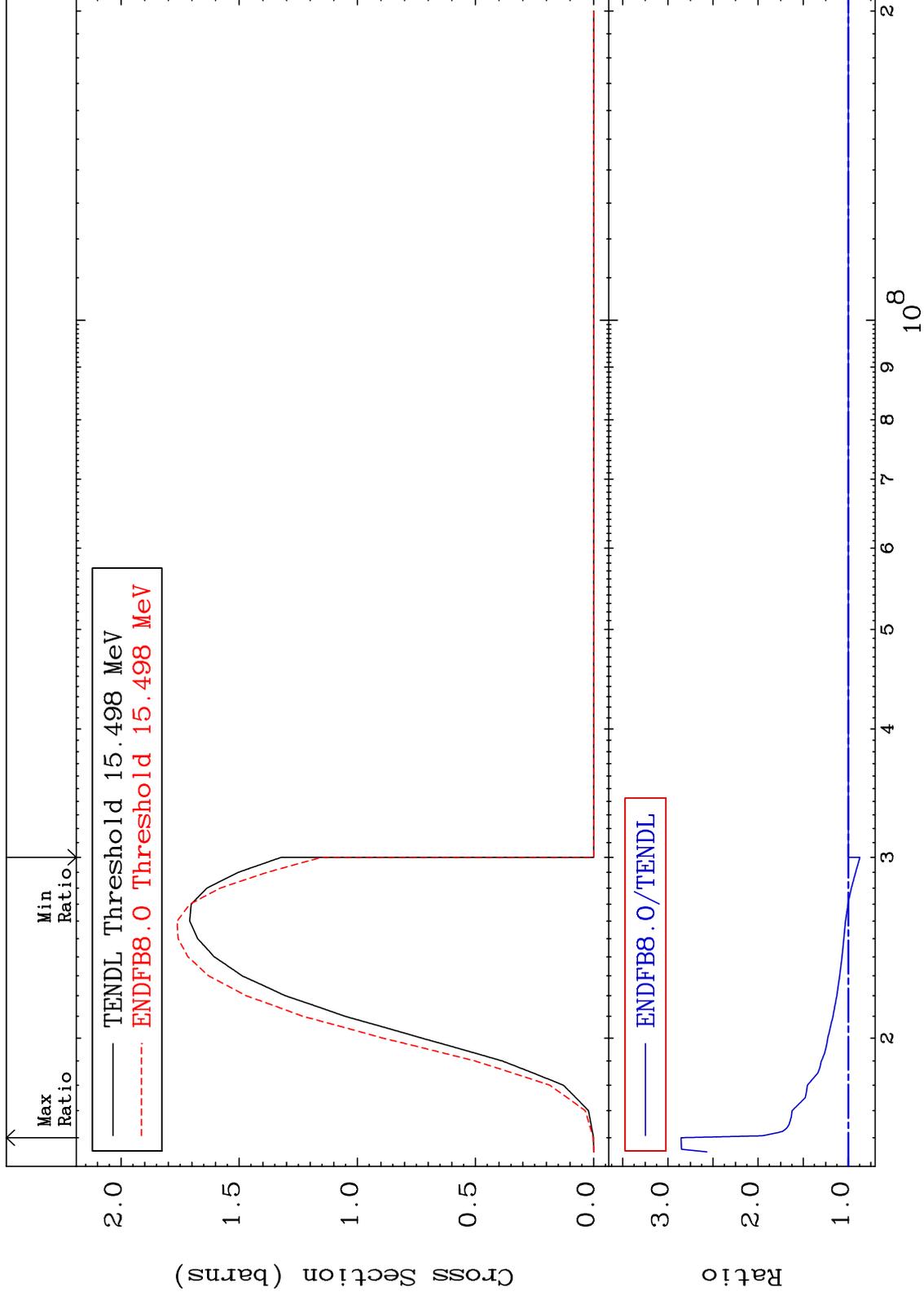
MAT 8431

(n, 3n)

84-Po-208

Cross Section

-12.89 To 185.3 %



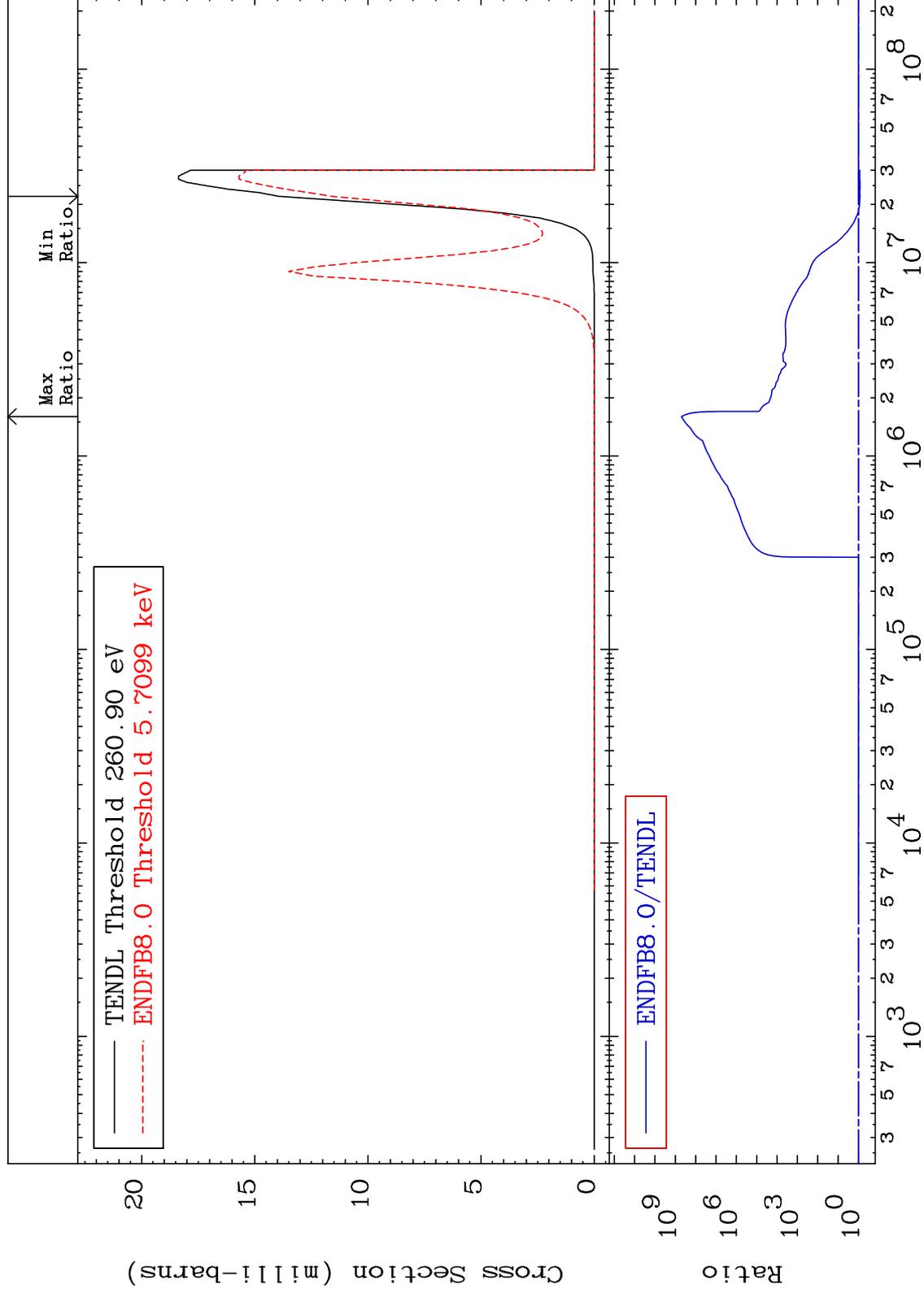
MAT 8431

(n, n') α

Cross Section

84-Po-208

-16.76 To 9999. %



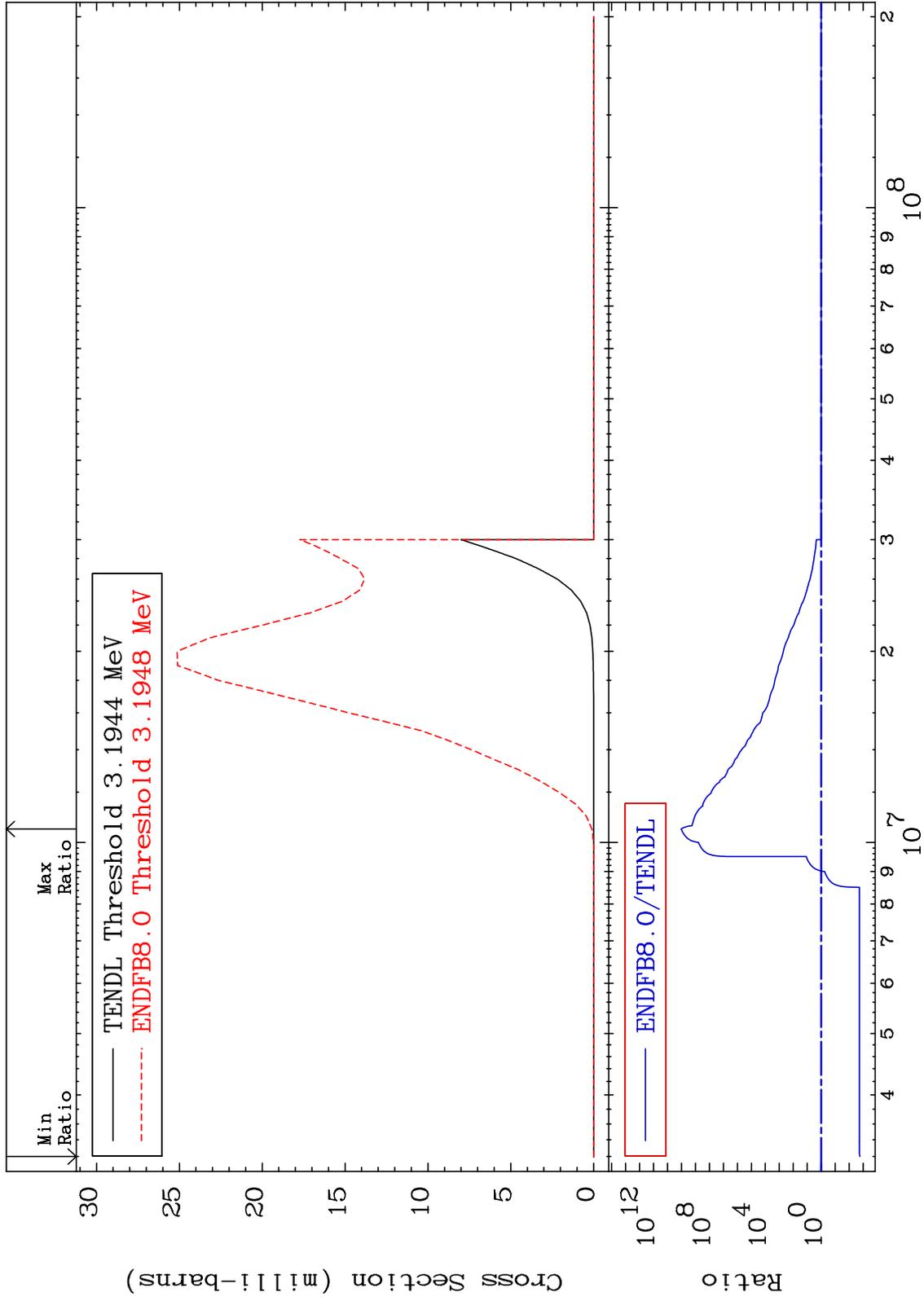
MAT 8431

(n,2n) α

84-Po-208

Cross Section

-99.83 To 9999. %



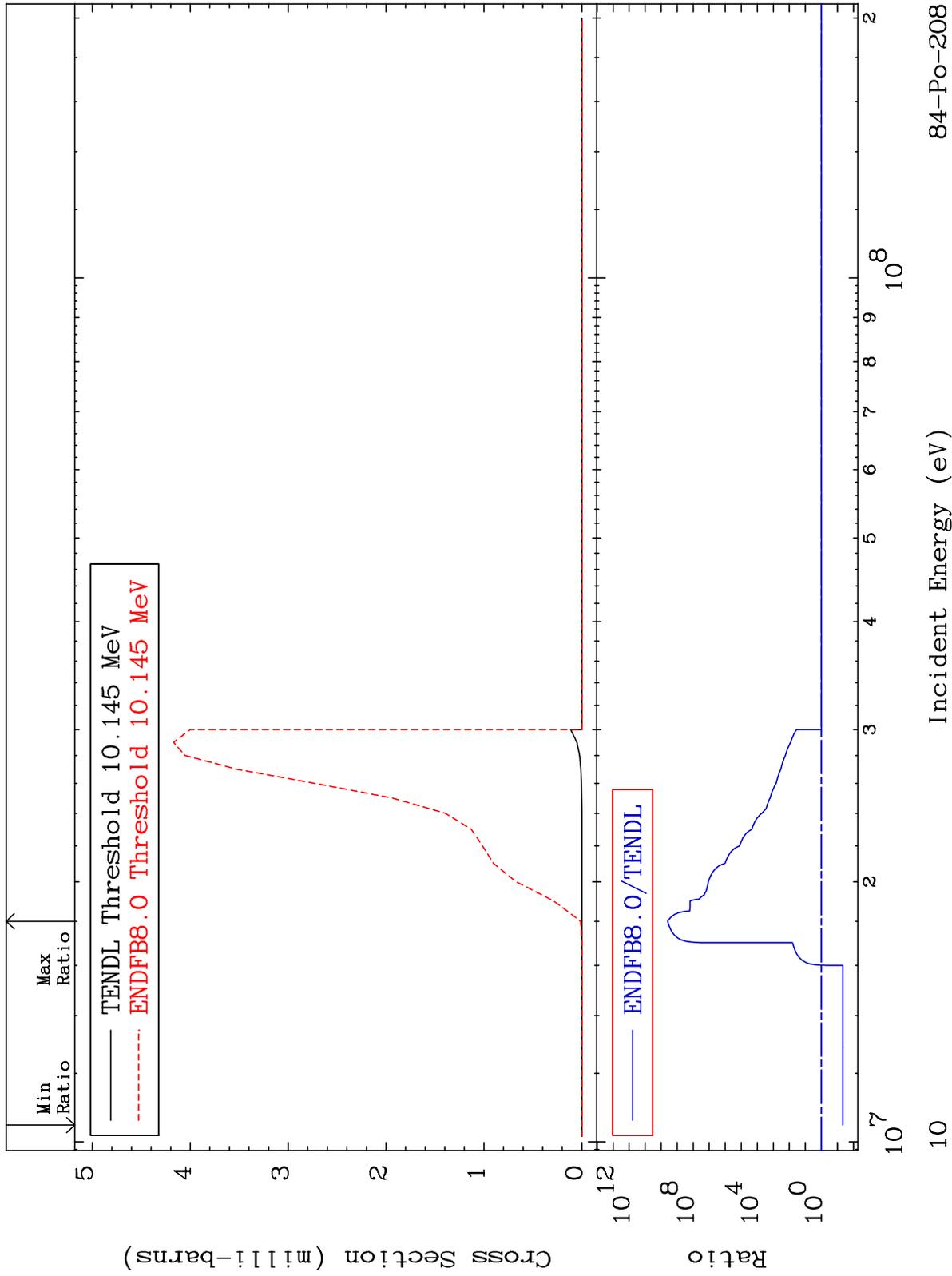
MAT 8431

(n,3n) α

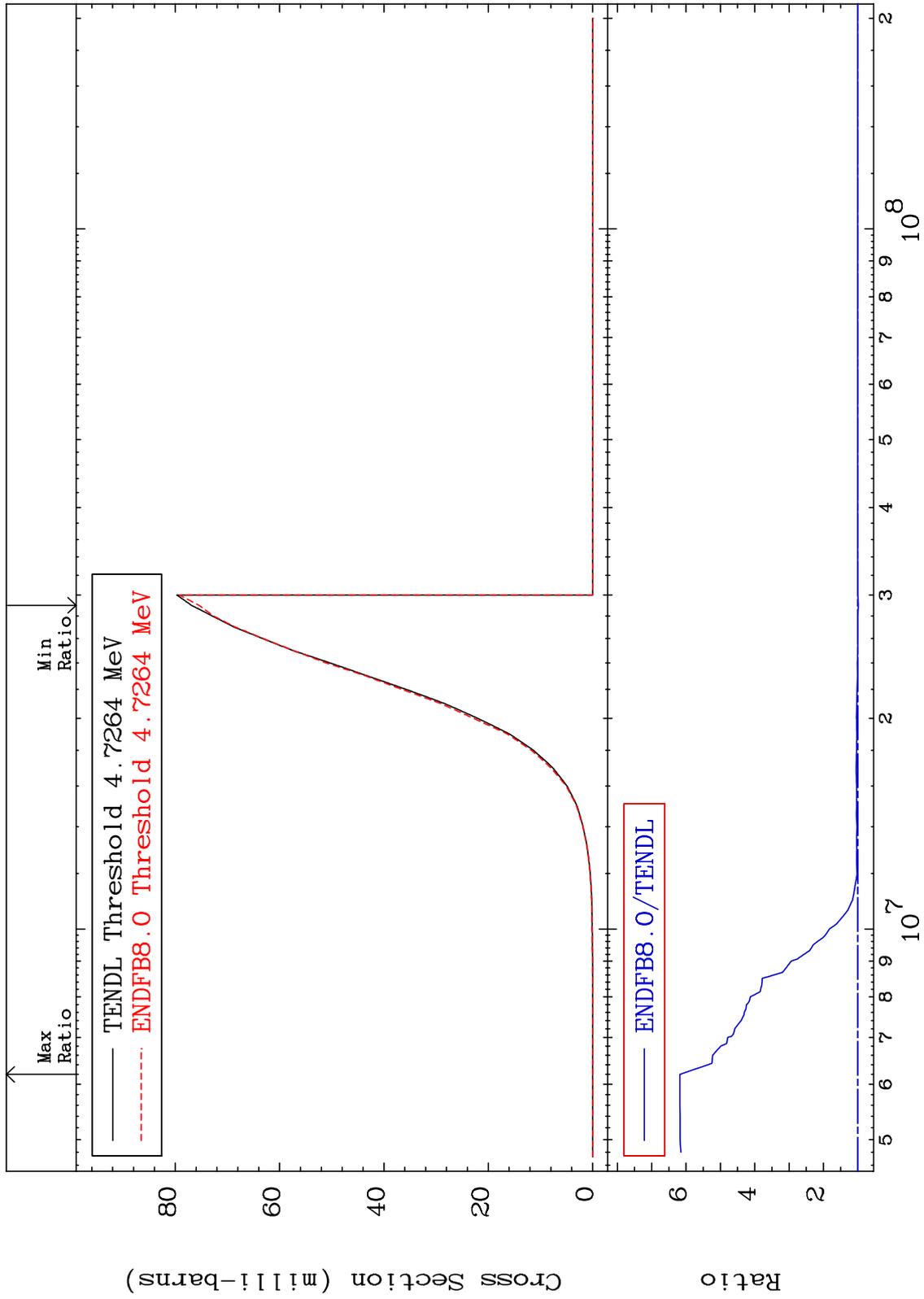
84-Po-208

Cross Section

-95.42 To 9999. %



MAT 8431 (n, n') p 84-Po-208
 Cross Section -1.904 To 517.9 %



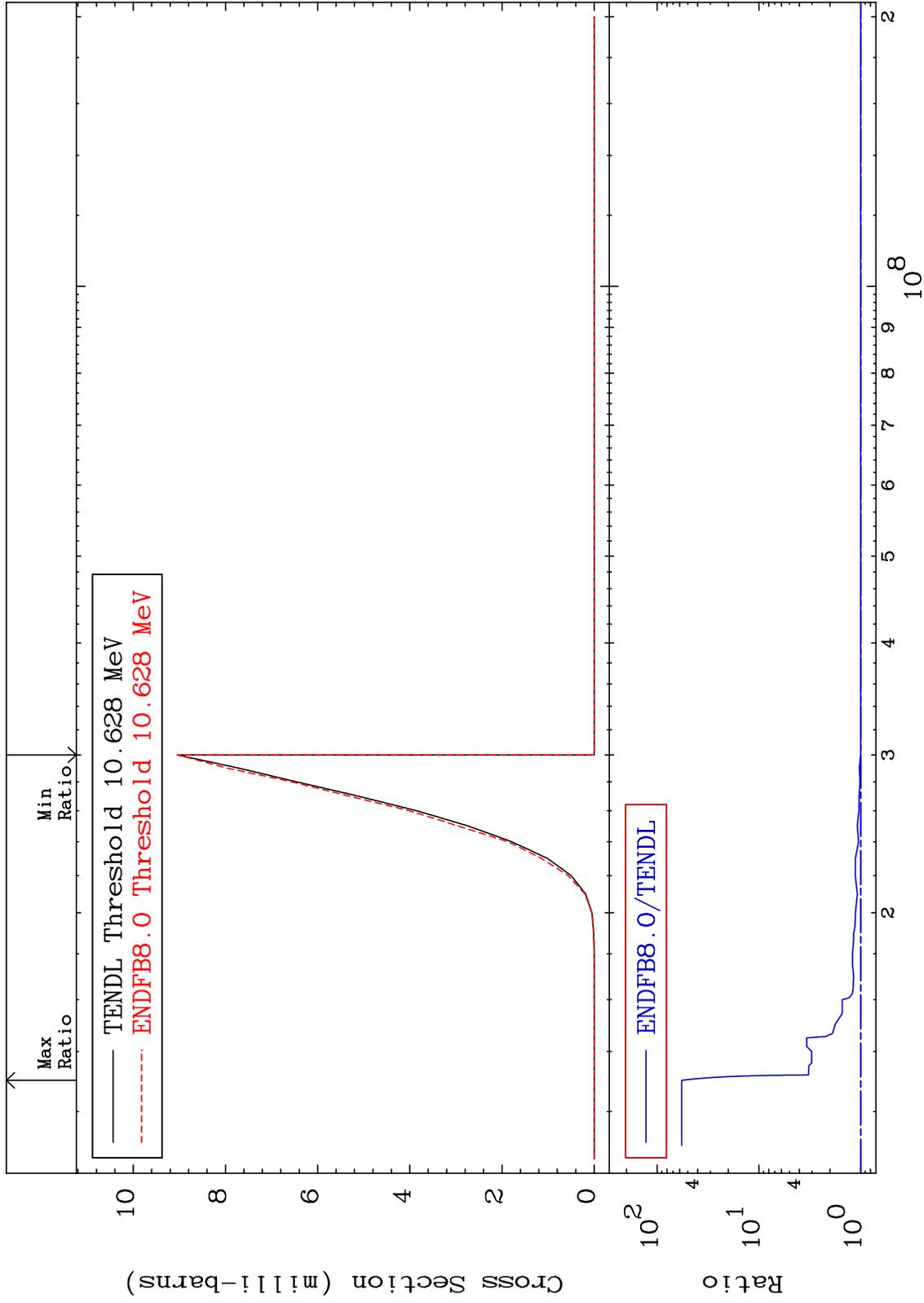
MAT 8431

(n,n') d

84-Po-208

Cross Section

-0.056 To 5631. %



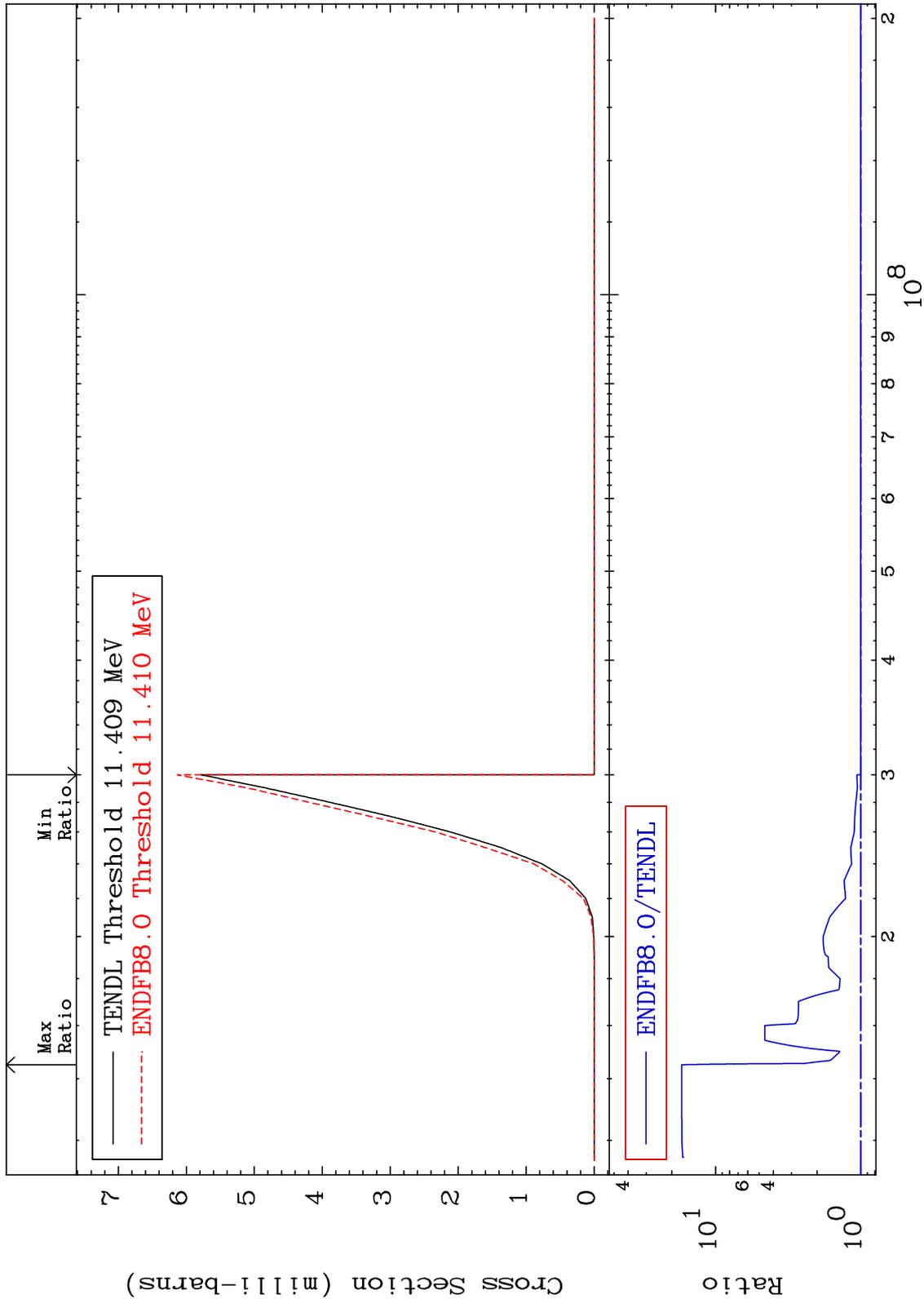
MAT 8431

(n,n') t

84-Po-208

Cross Section

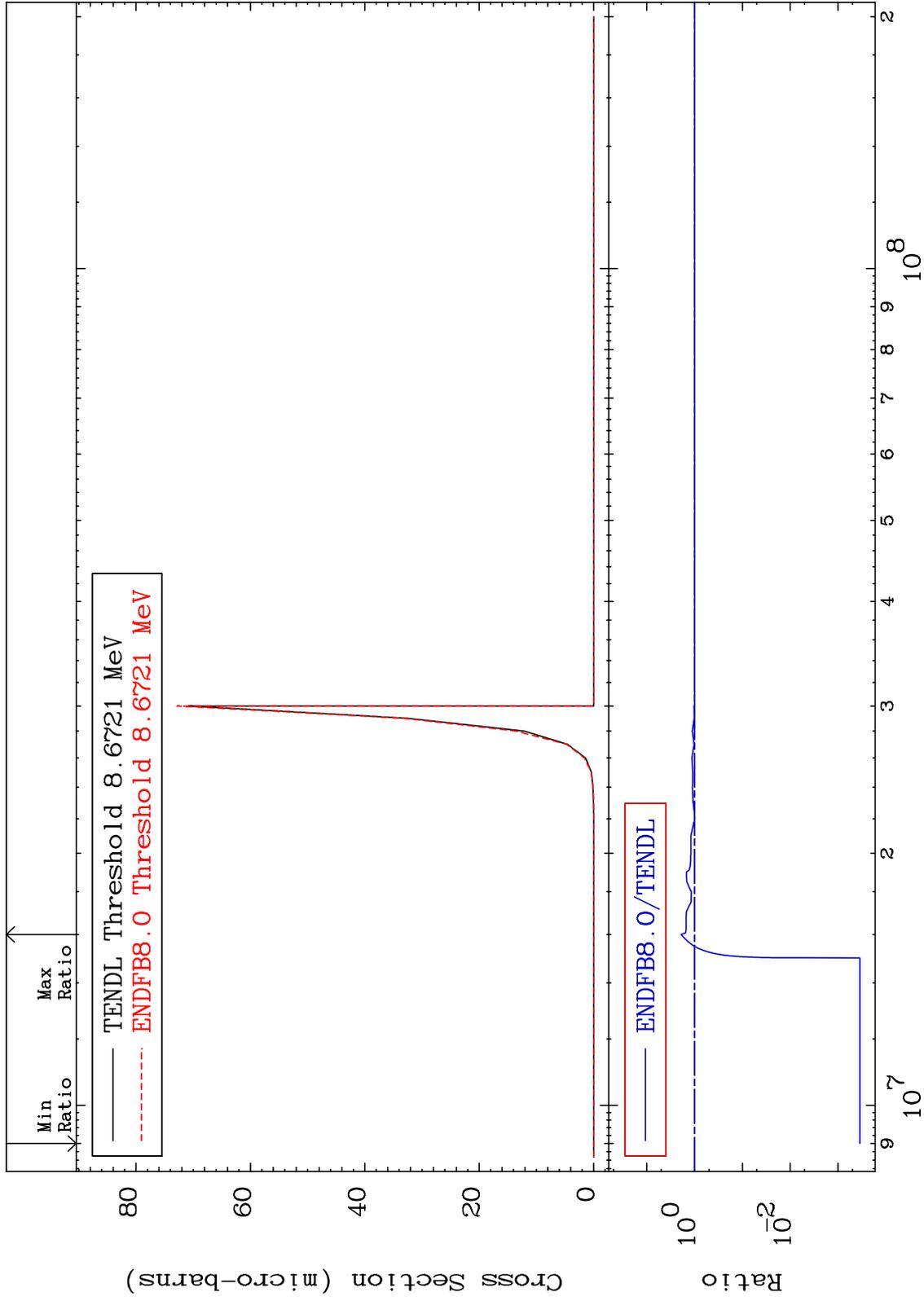
0.000 To 1609. %



MAT 8431

(n, n') He-3
Cross Section

84-Po-208
-99.97 To 91.59 %



15

Incident Energy (eV)

84-Po-208

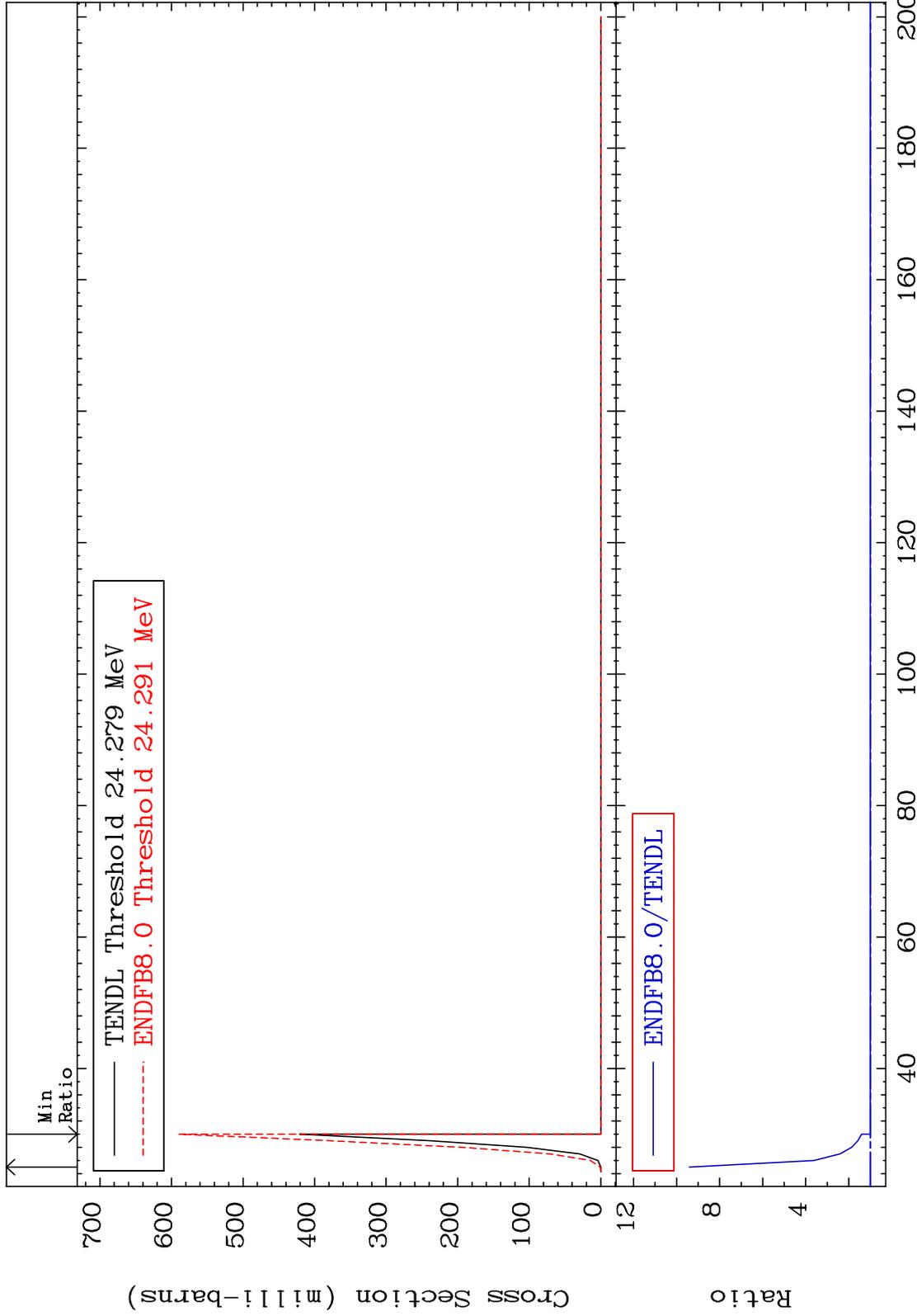
MAT 8431

(n, 4n)

84-Po-208

Cross Section

0.000 To 840.8 %



MAT 8431

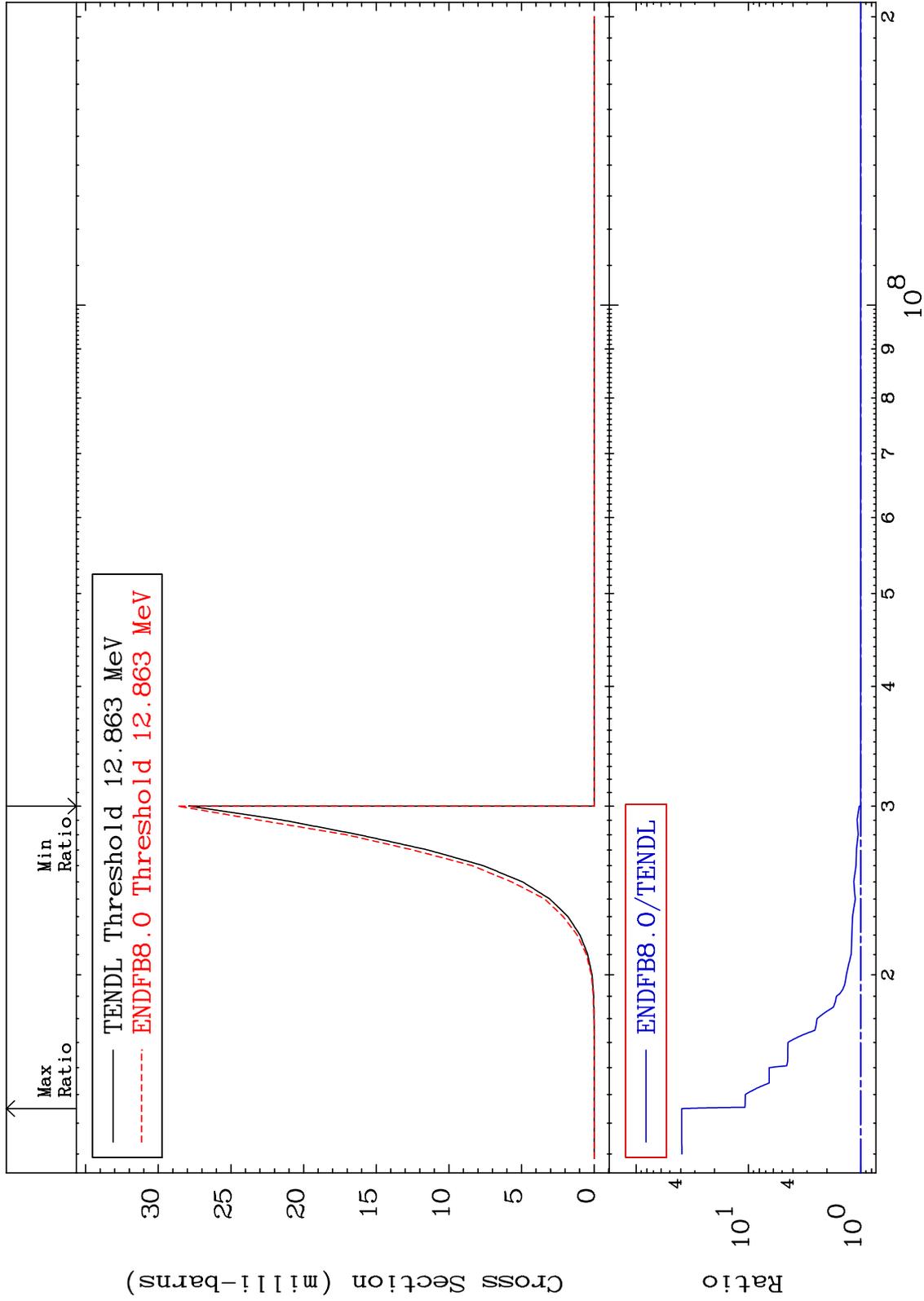
(n,2n) p

84-Po-208

Cross Section

0.000

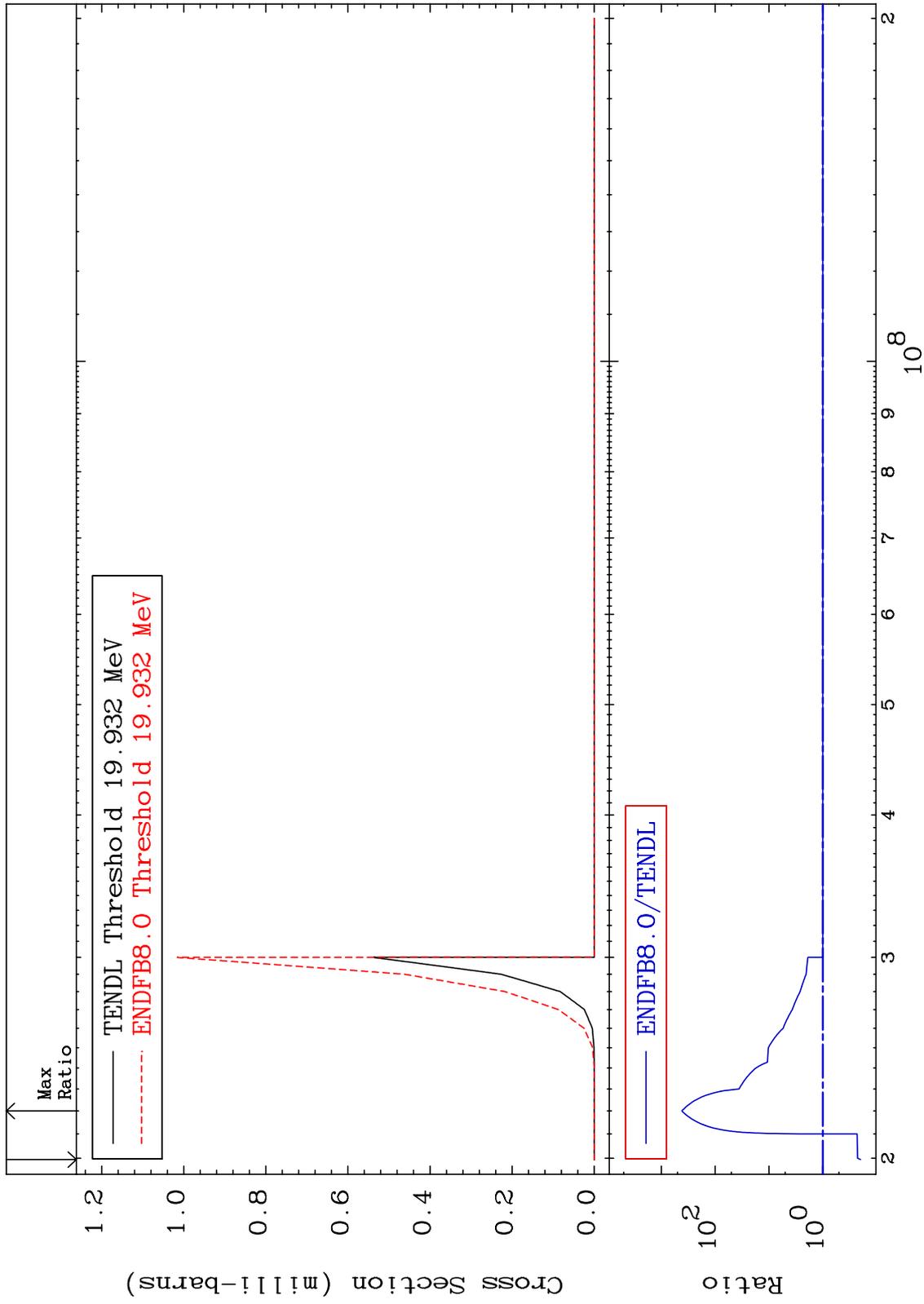
To 3822. %



MAT 8431

(n,3n) p
Cross Section

84-Po-208
-80.28 To 9999. %



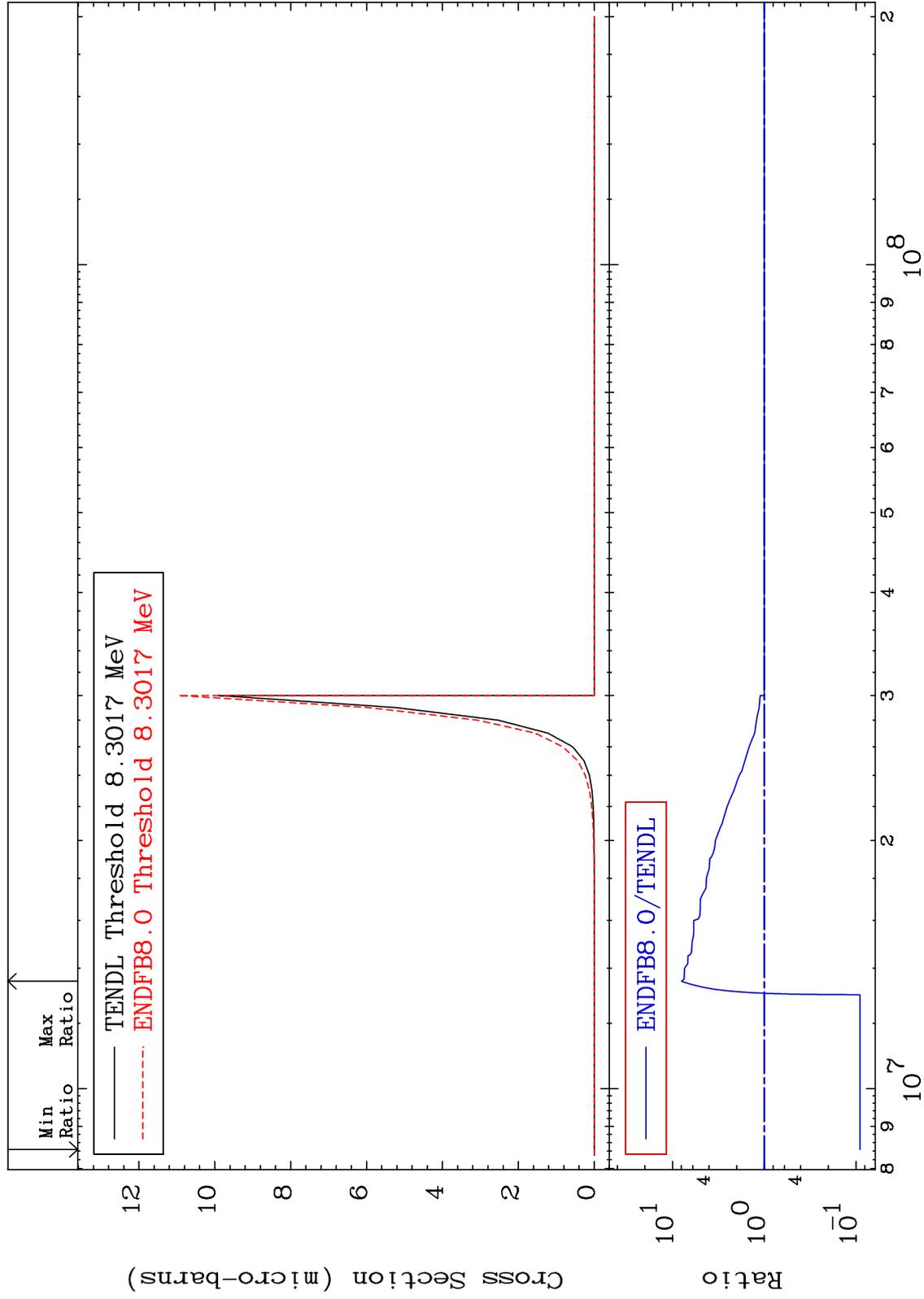
MAT 8431

(n,2n) p

84-Po-208

Cross Section

-90.97 To 696.4 %



19

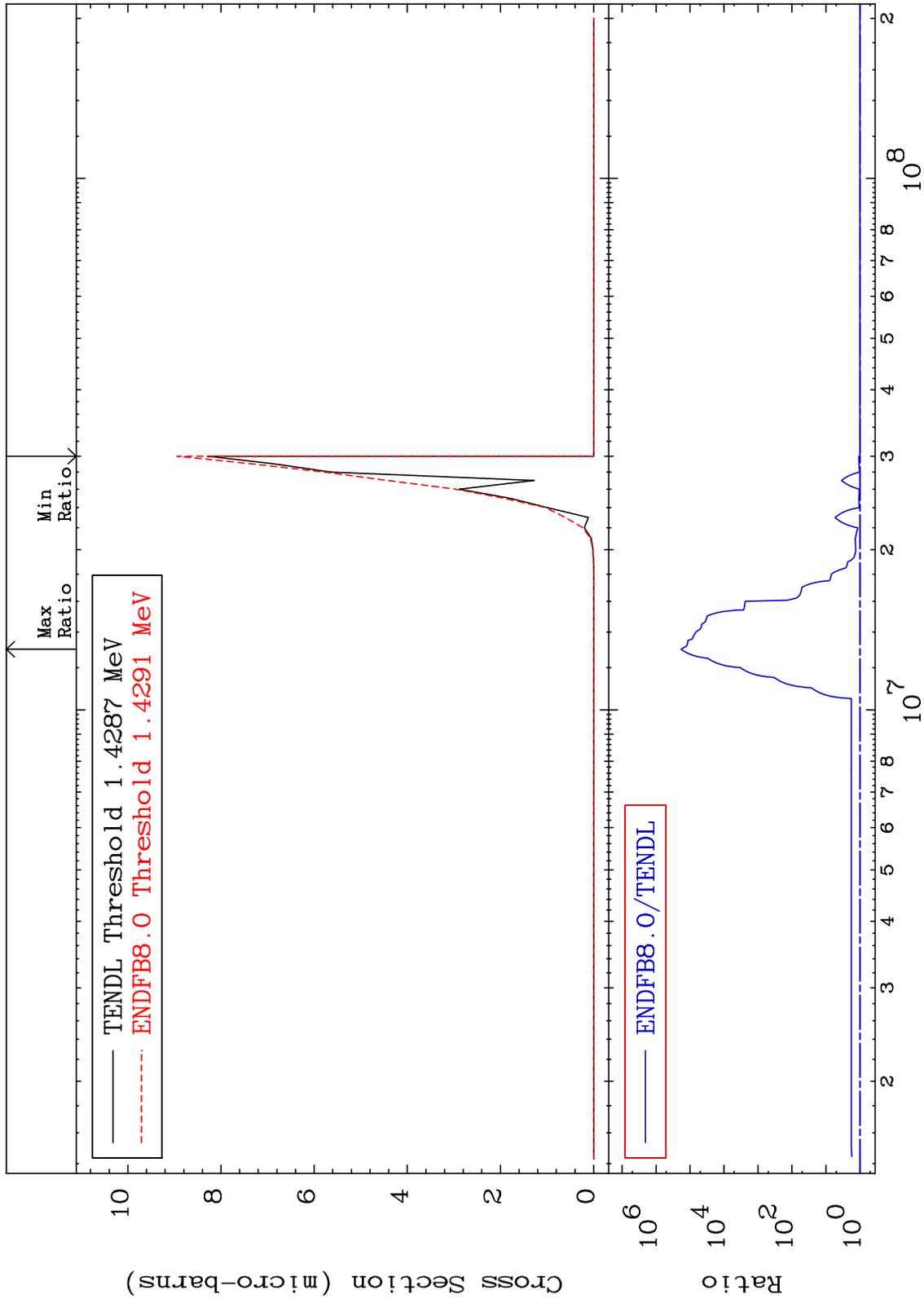
Incident Energy (eV)

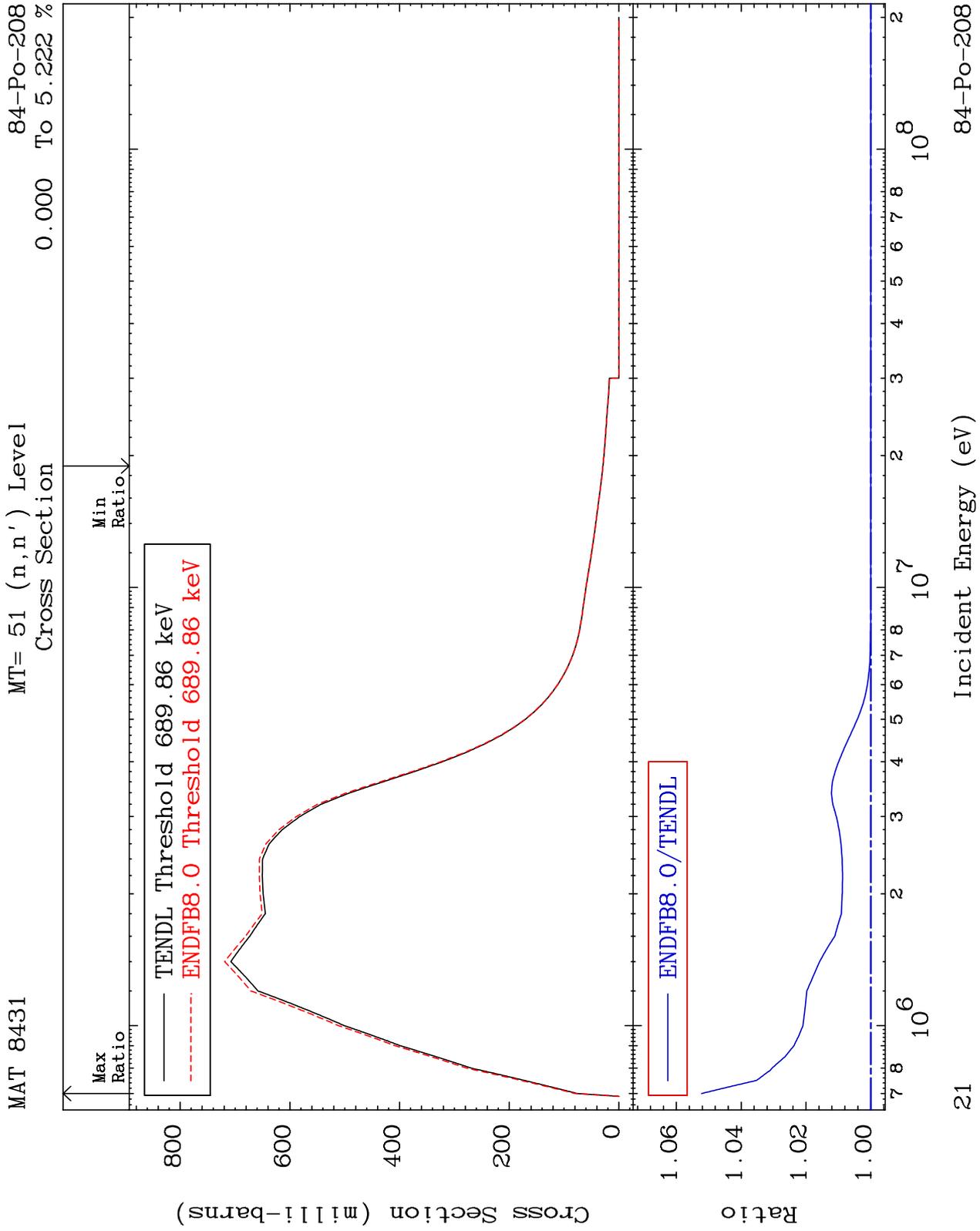
84-Po-208

MAT 8431

(n,n') p α
Cross Section

84-Po-208
0.000 To 9999. %

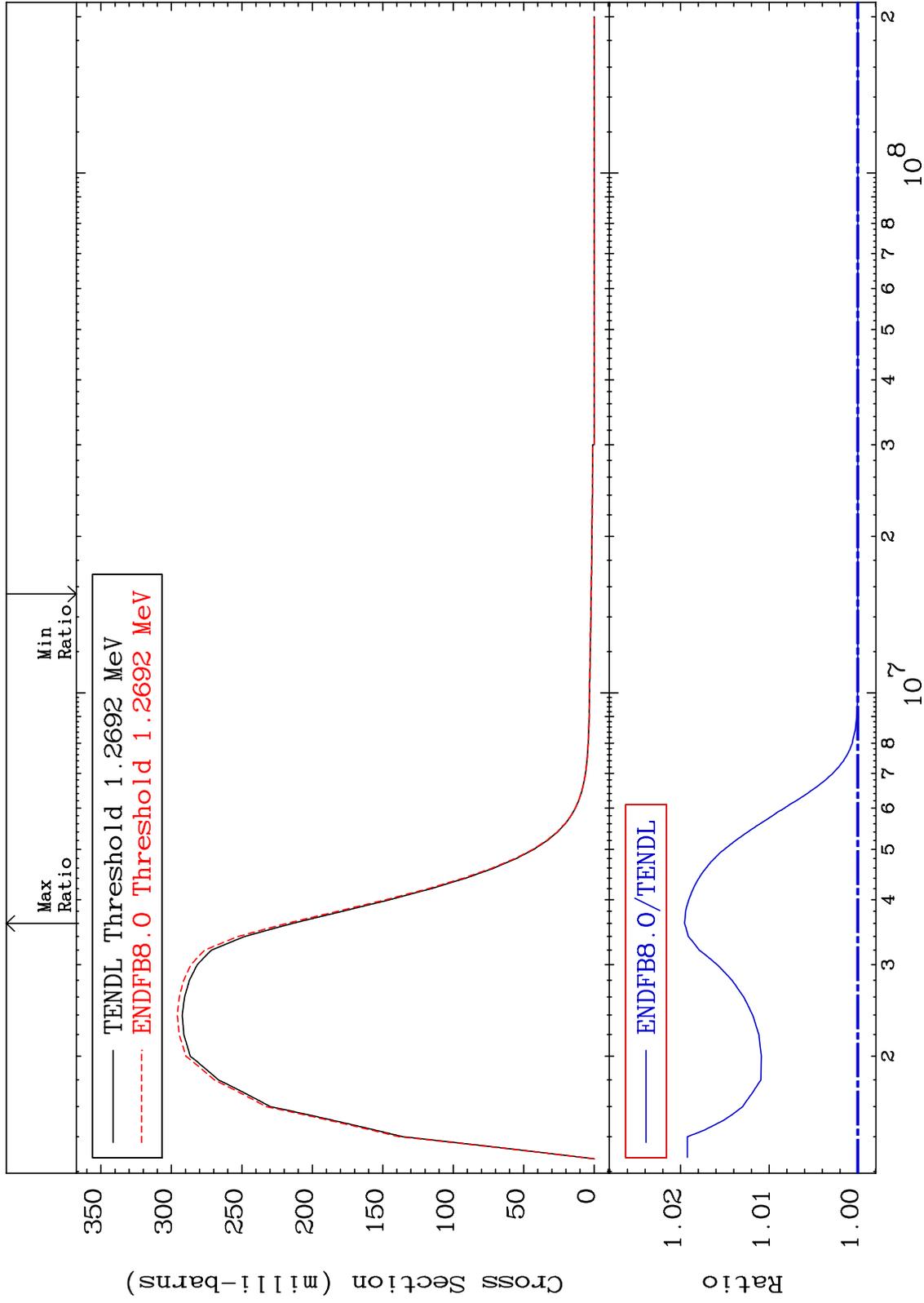




MAT 8431

MT= 52 (n,n') Level
Cross Section

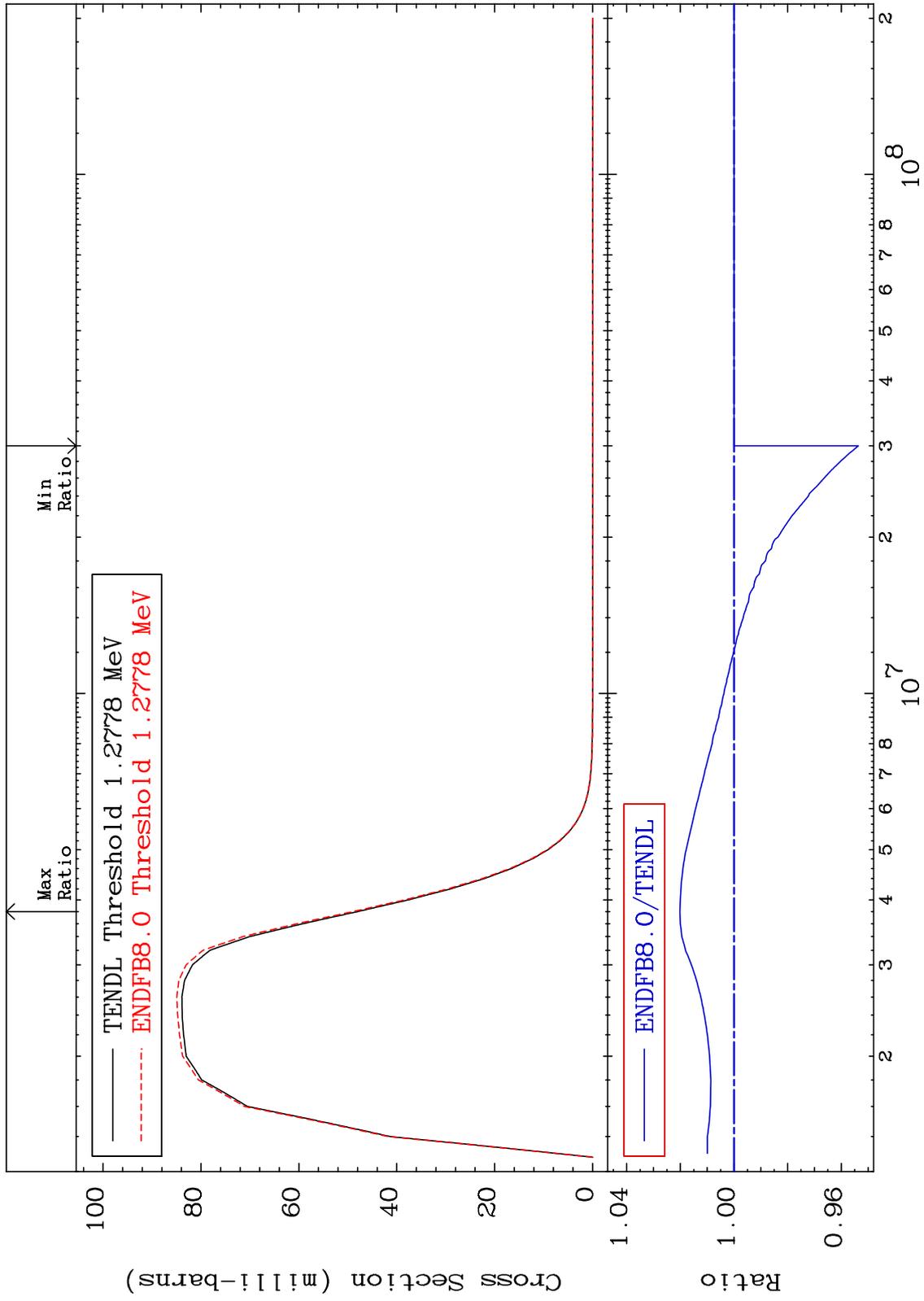
84-Po-208
0.000 To 1.955 %

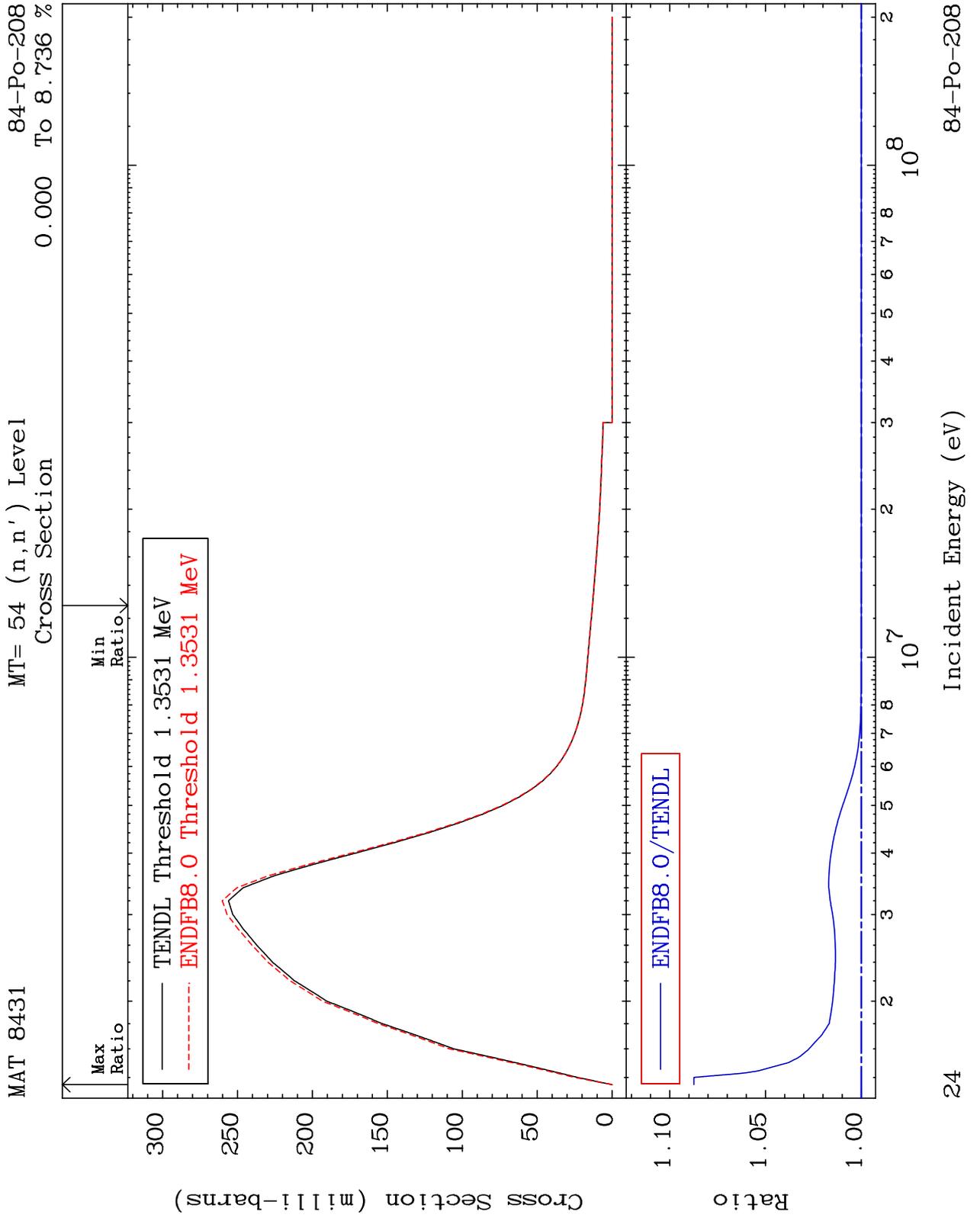


MAT 8431

MT= 53 (n,n') Level
Cross Section

84-Po-208
-4.638 To 2.015 %

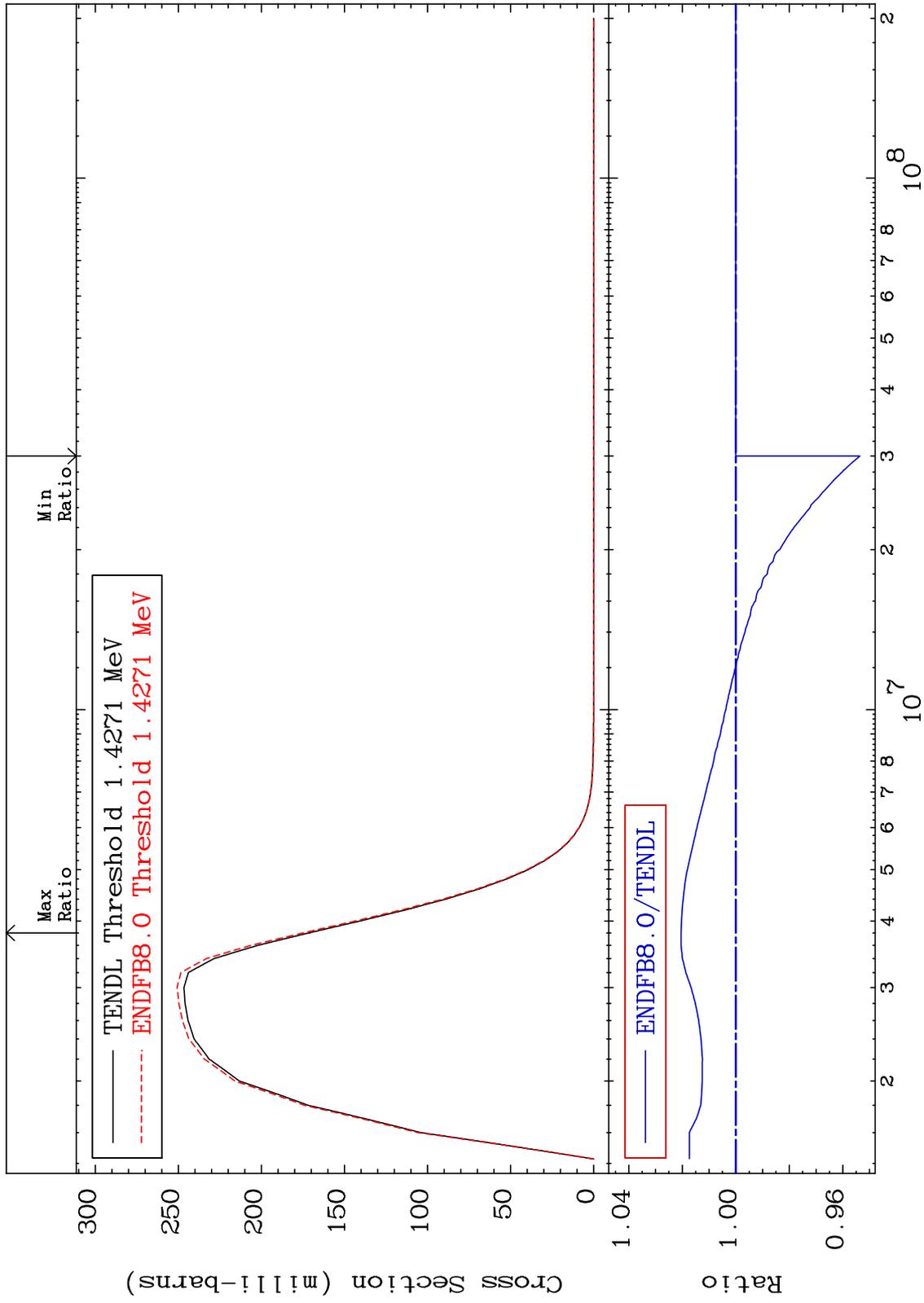




MAT 8431

MT= 55 (n,n') Level
Cross Section

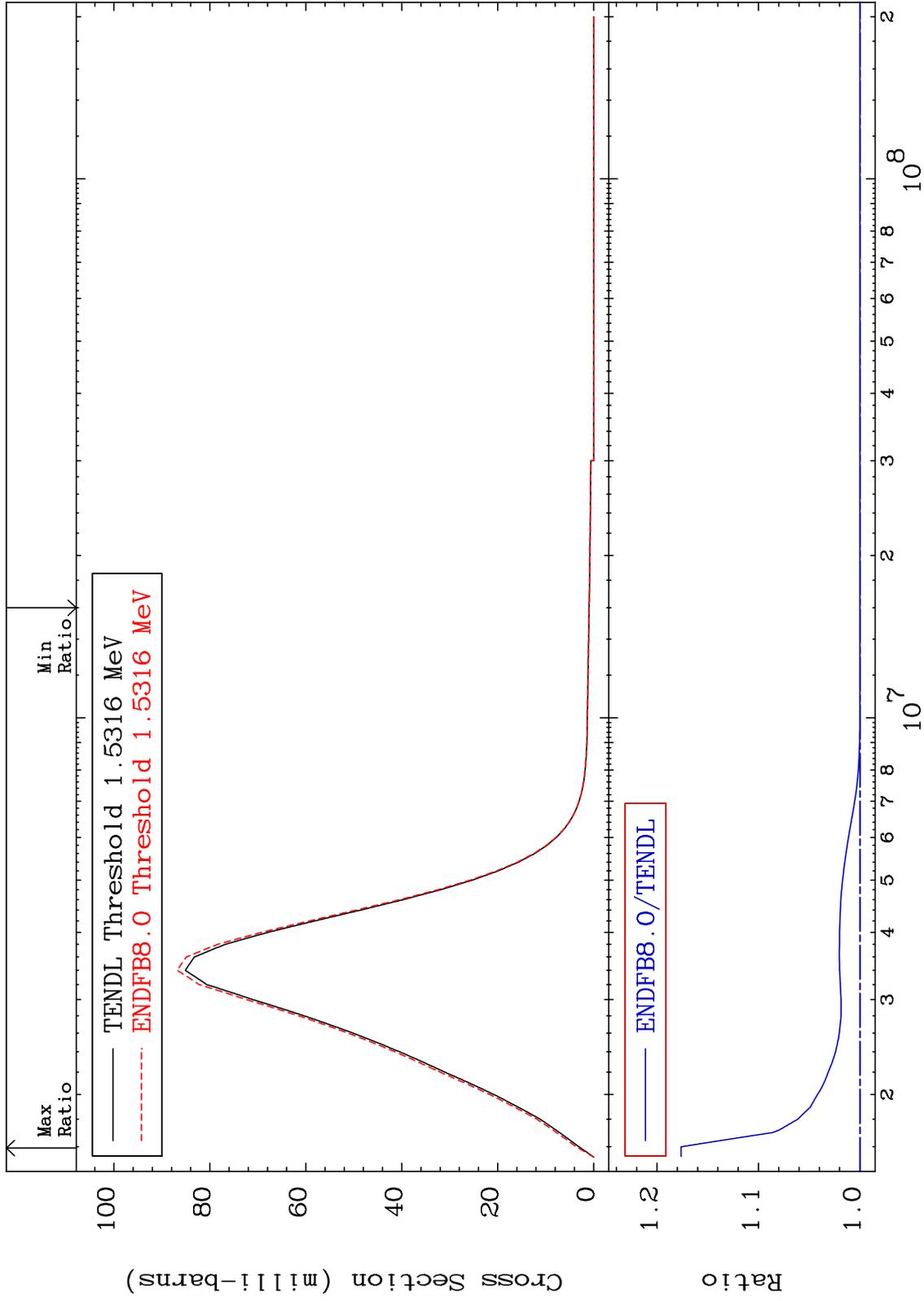
84-Po-208
-4.640 To 2.044 %



MAT 8431

MT= 56 (n,n') Level
Cross Section

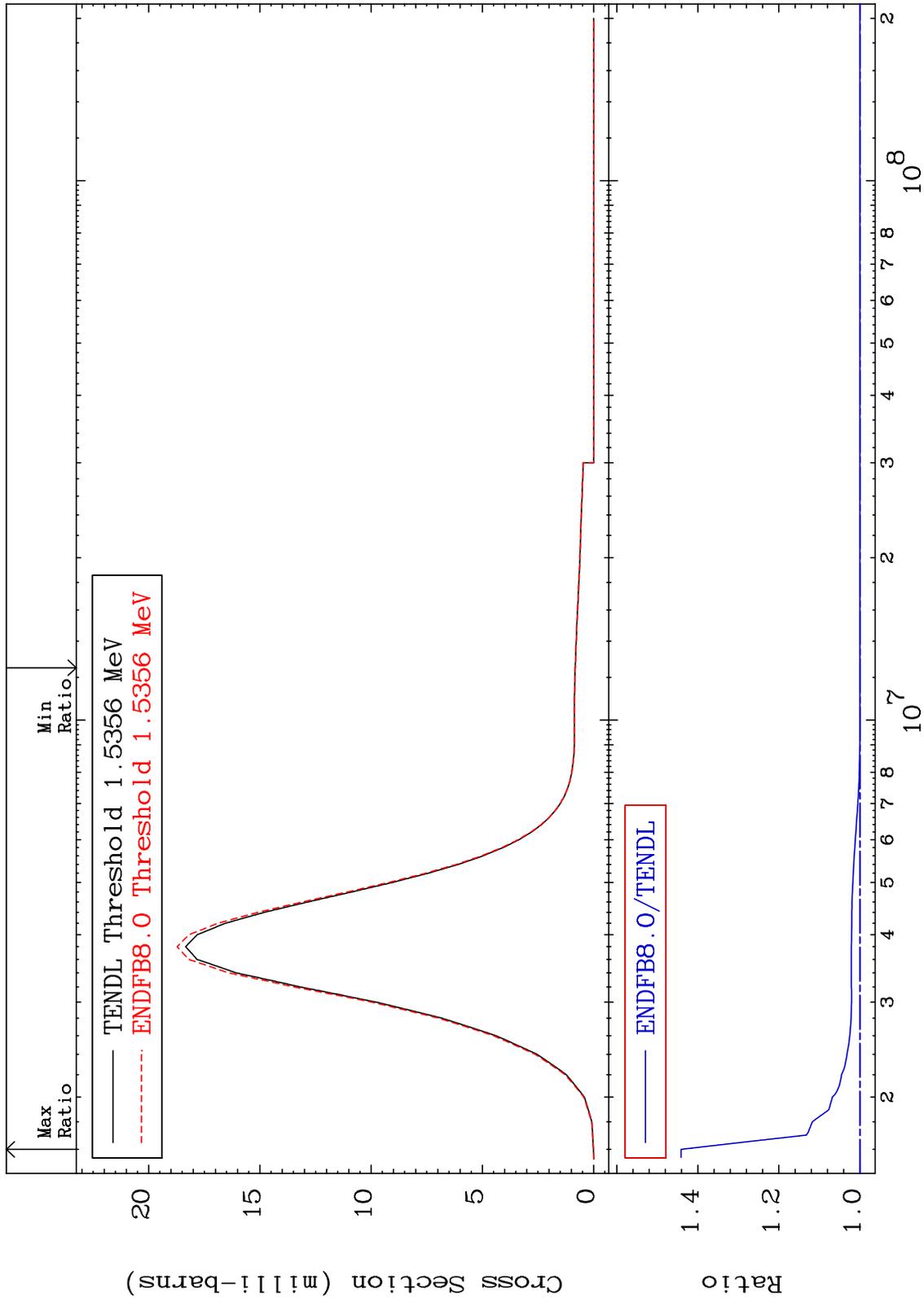
84-Po-208
0.000 To 17.62 %



MAT 8431

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

84-Po-208
0.000 To 44.12 %



27

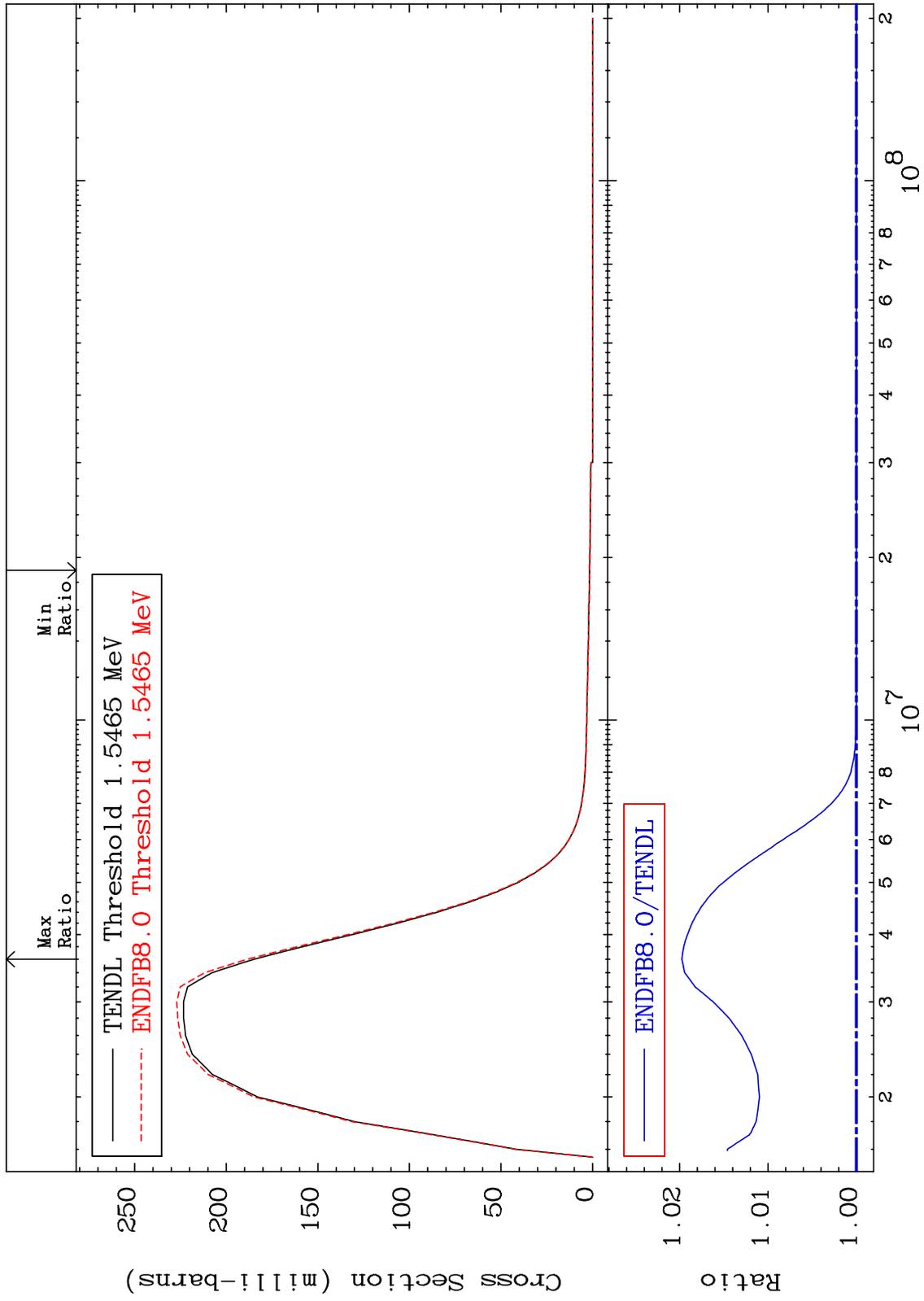
84-Po-208

84-Po-208

MAT 8431

MT= 58 (n,n') Level
Cross Section

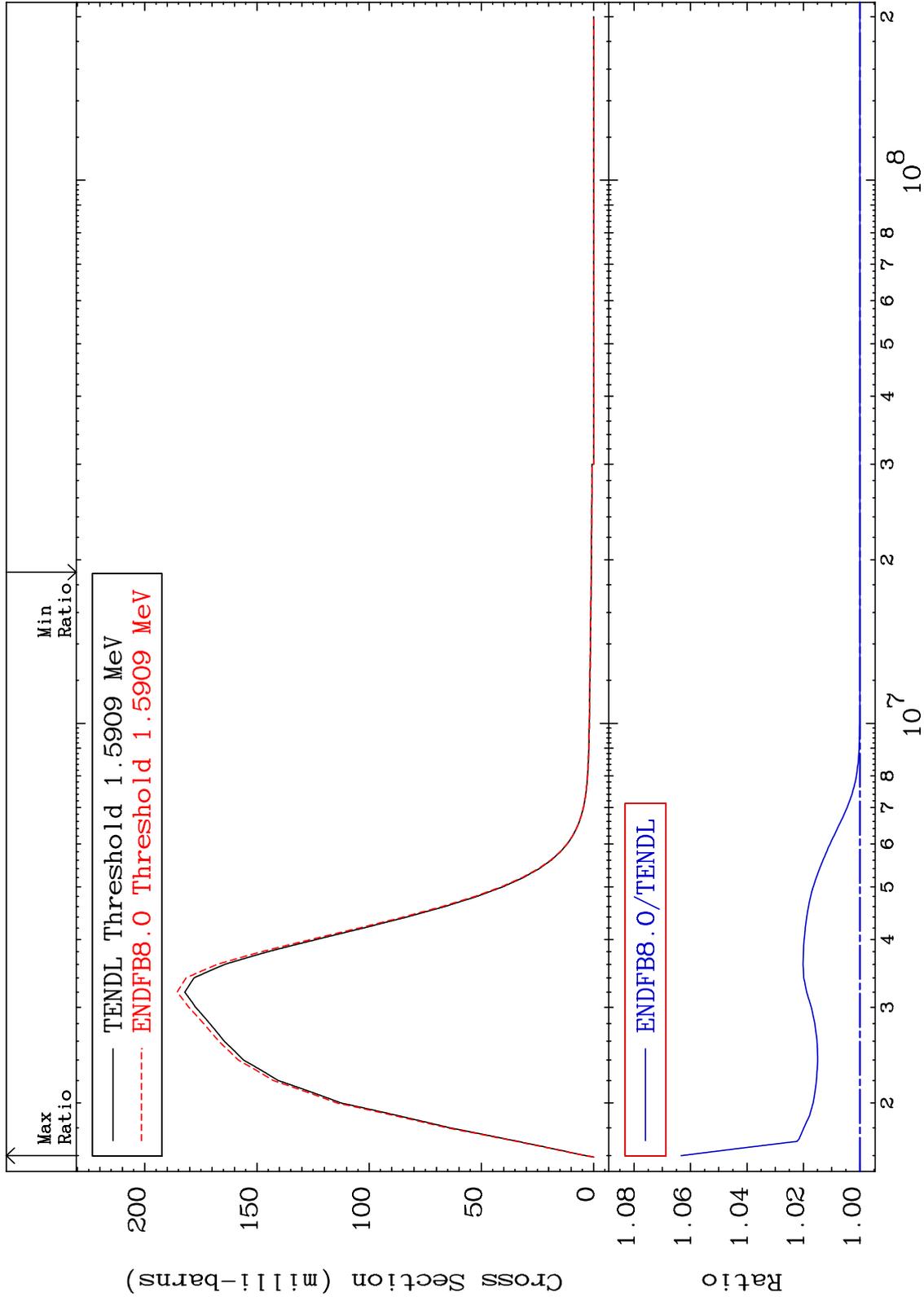
84-Po-208
0.000 To 1.975 %



MAT 8431

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

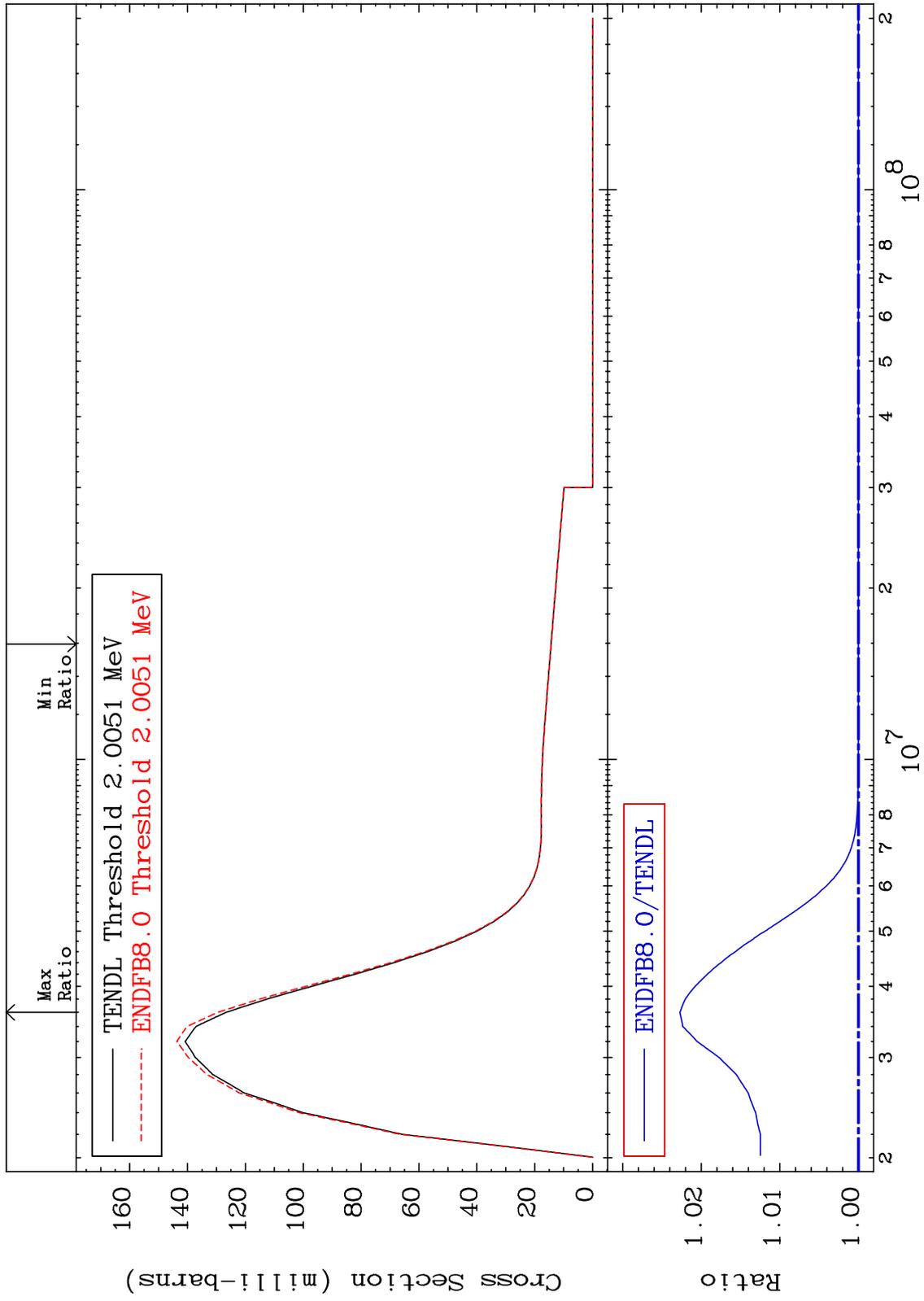
84-Po-208
0.000 To 6.332 %



MAT 8431

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

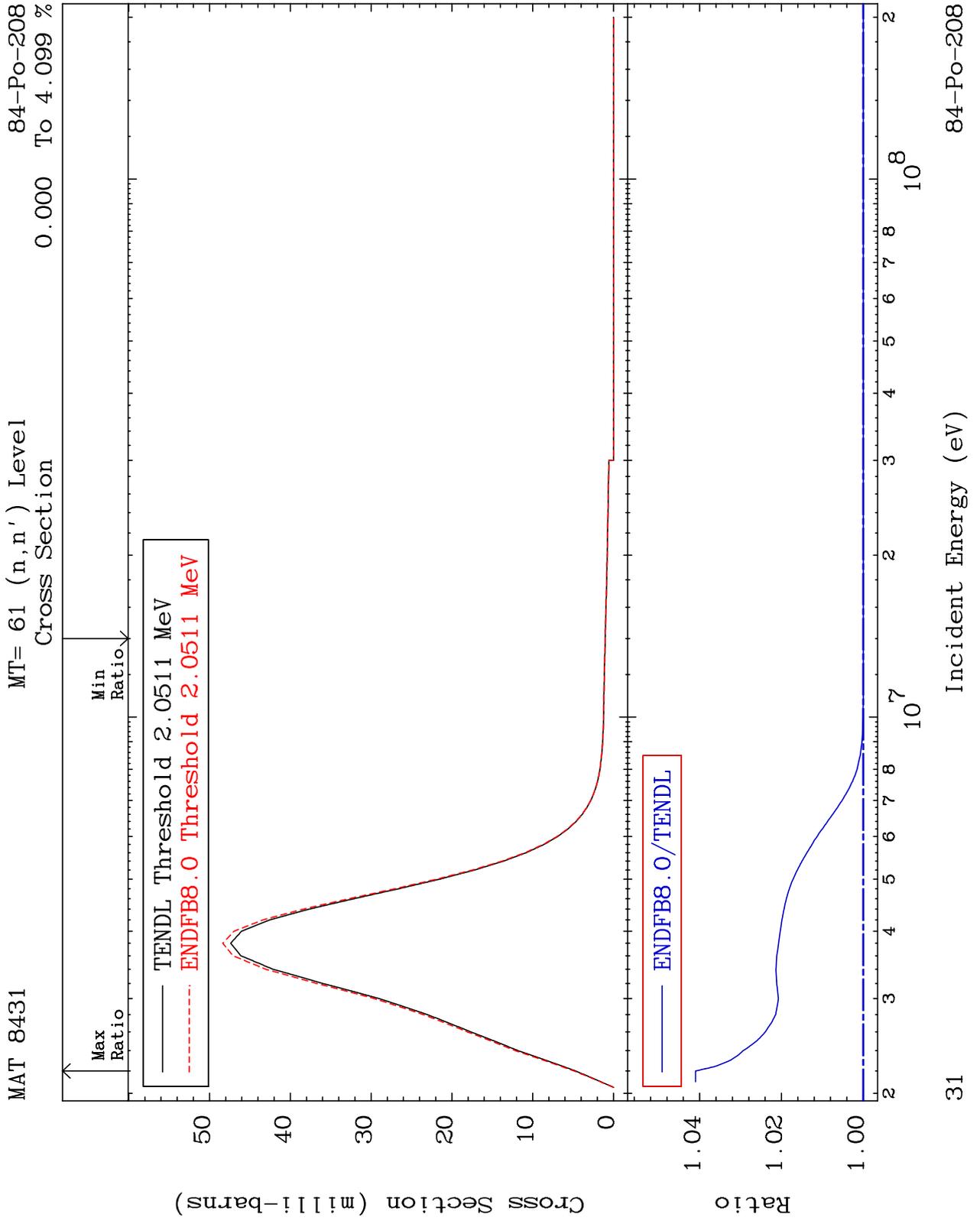
84-Po-208
0.000 To 2.270 %



30

Incident Energy (eV)

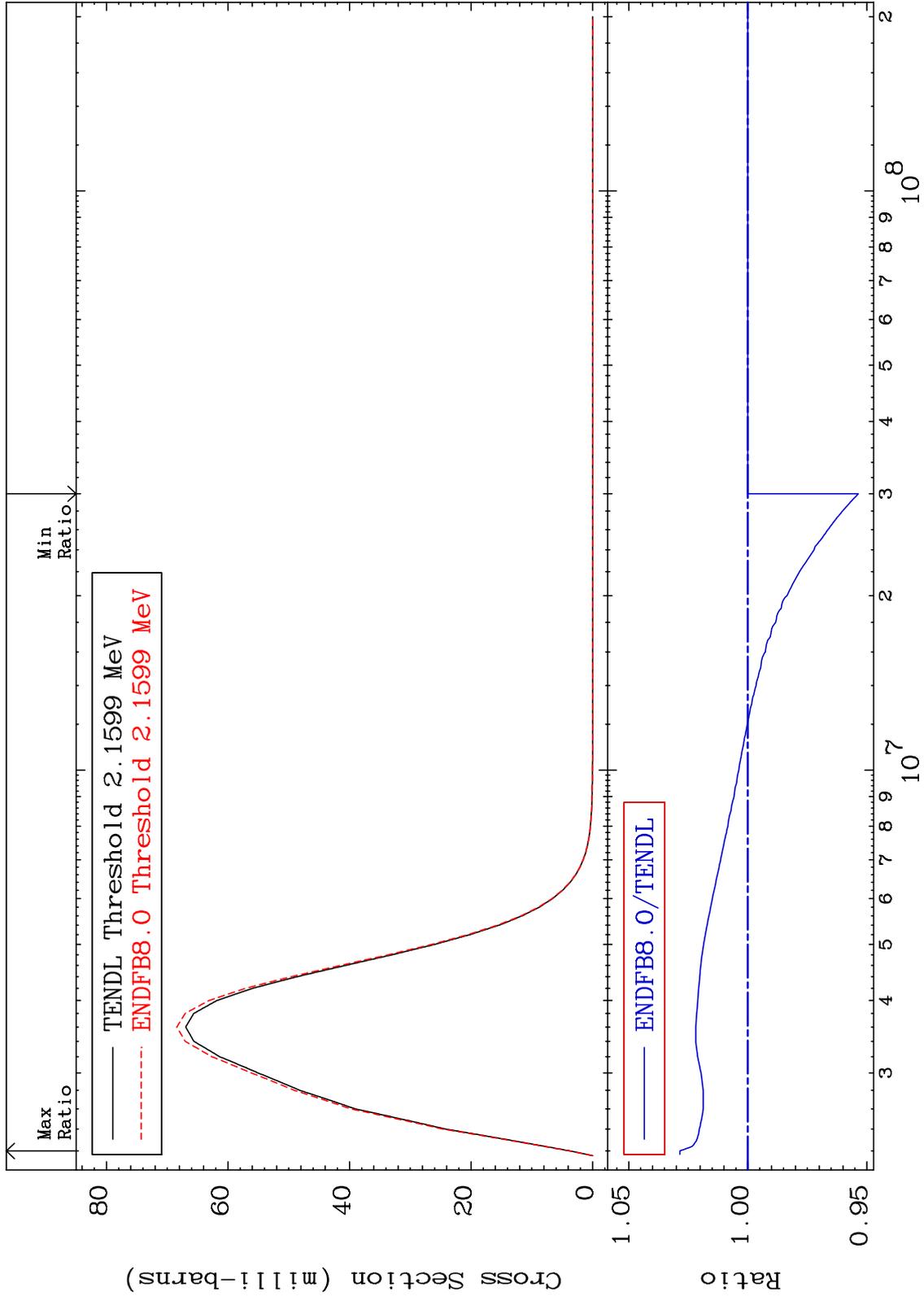
84-Po-208



MAT 8431

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

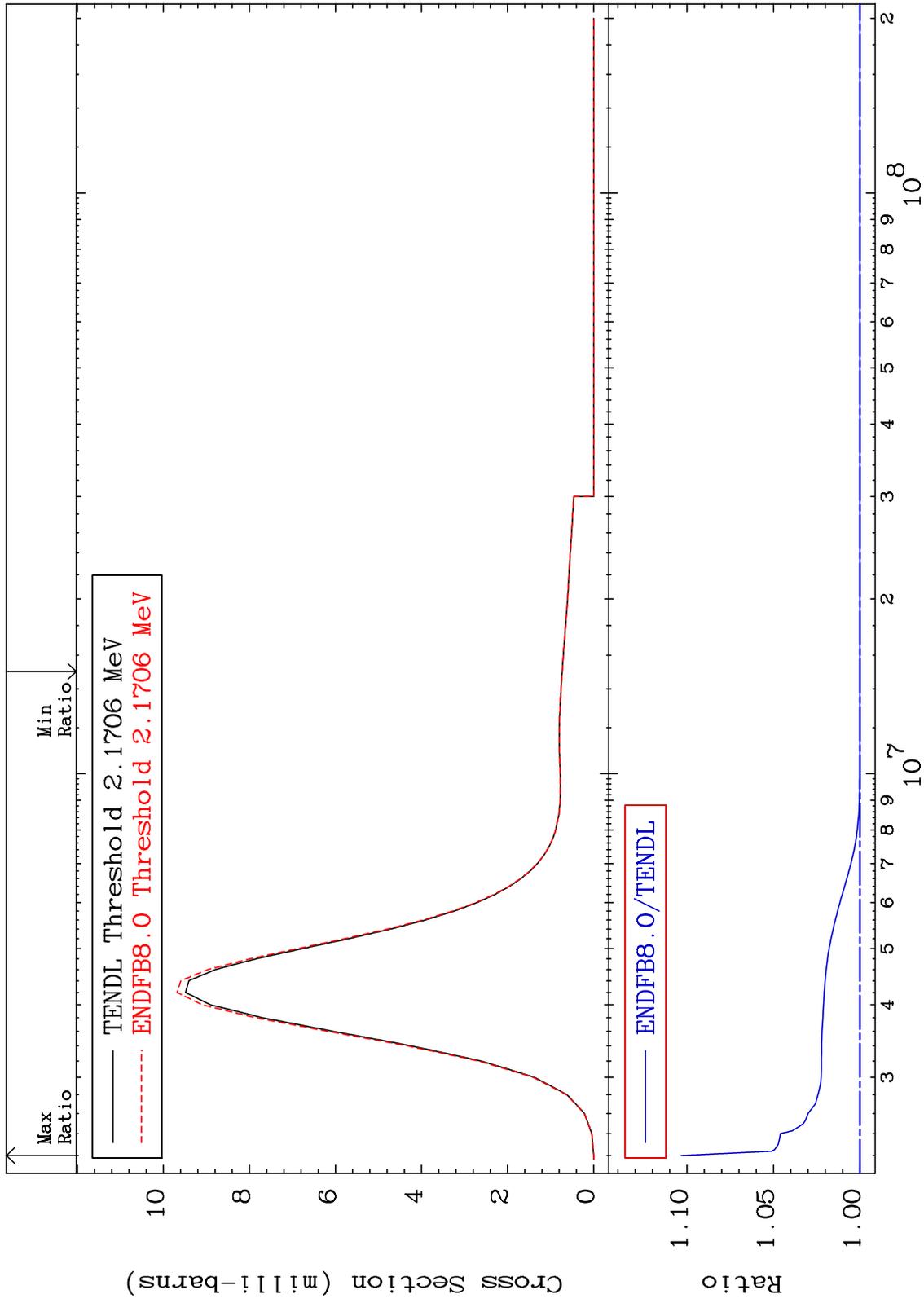
84-Po-208
-4.645 To 2.849 %



MAT 8431

MT= 63 (n,n') Level
Cross Section

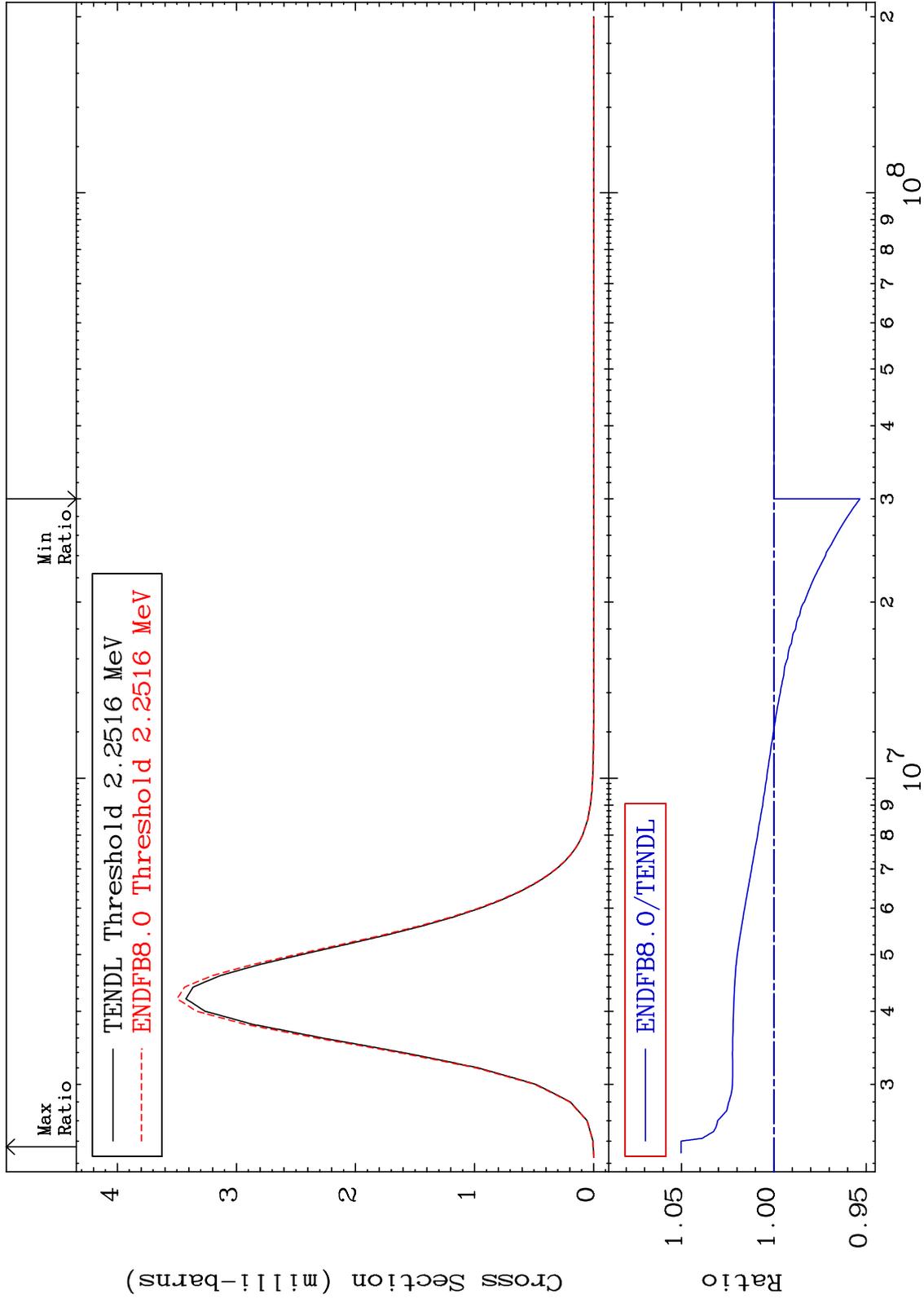
84-Po-208
0.000 To 10.34 %

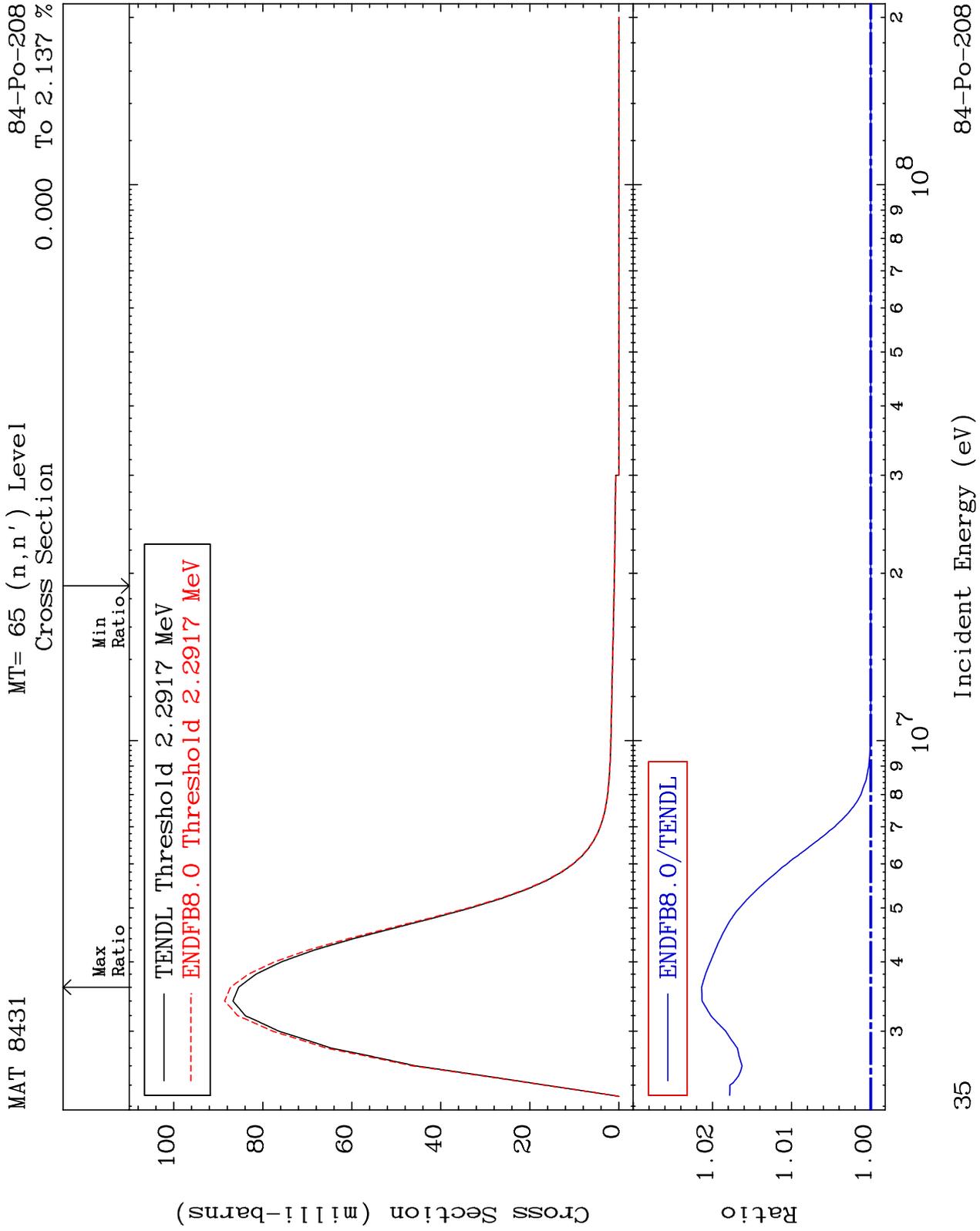


MAT 8431

MT= 64 (n,n') Level
Cross Section

84-Po-208
-4.661 To 5.024 %

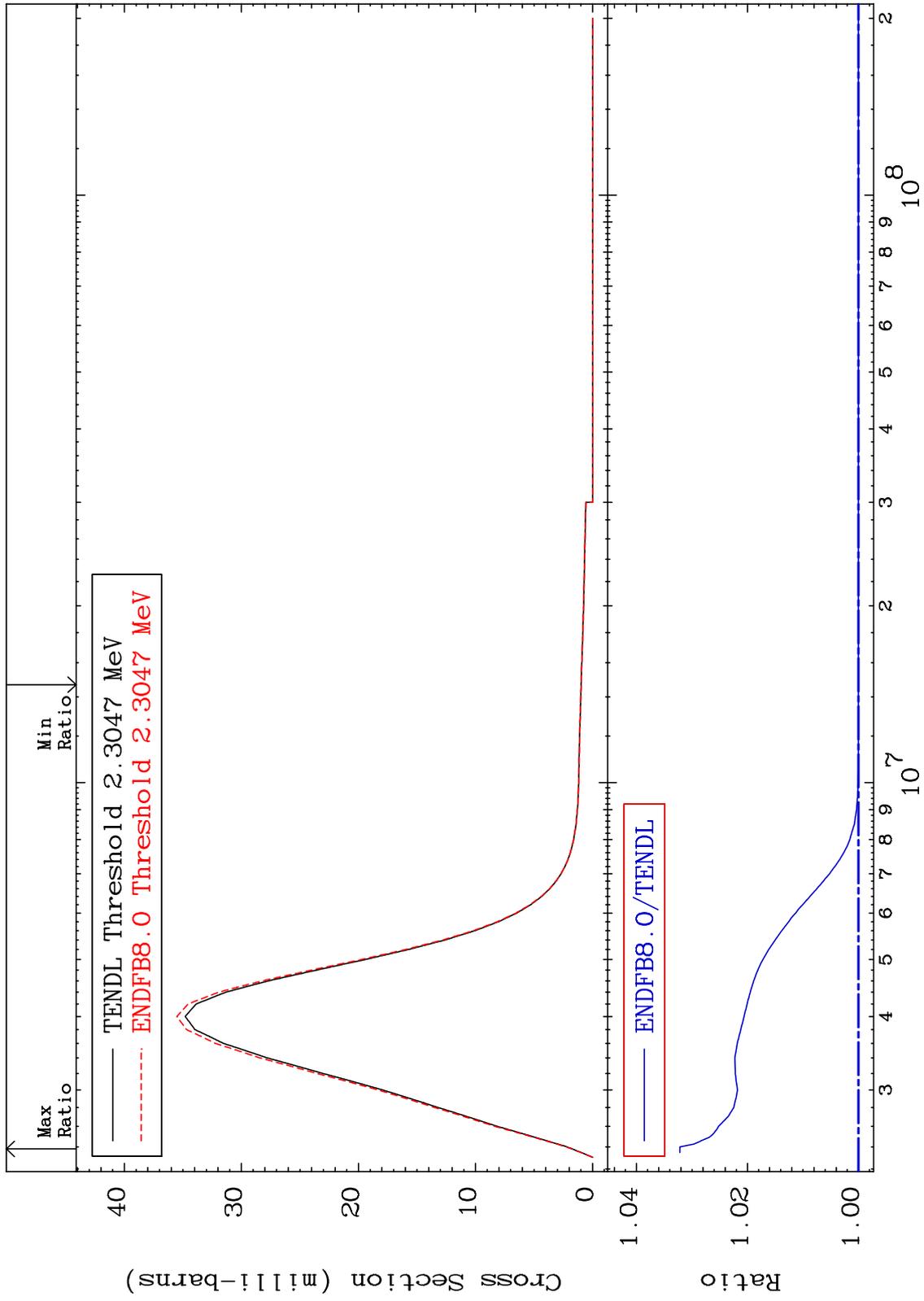




MAT 8431

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

84-Po-208
0.000 To 3.217 %



36

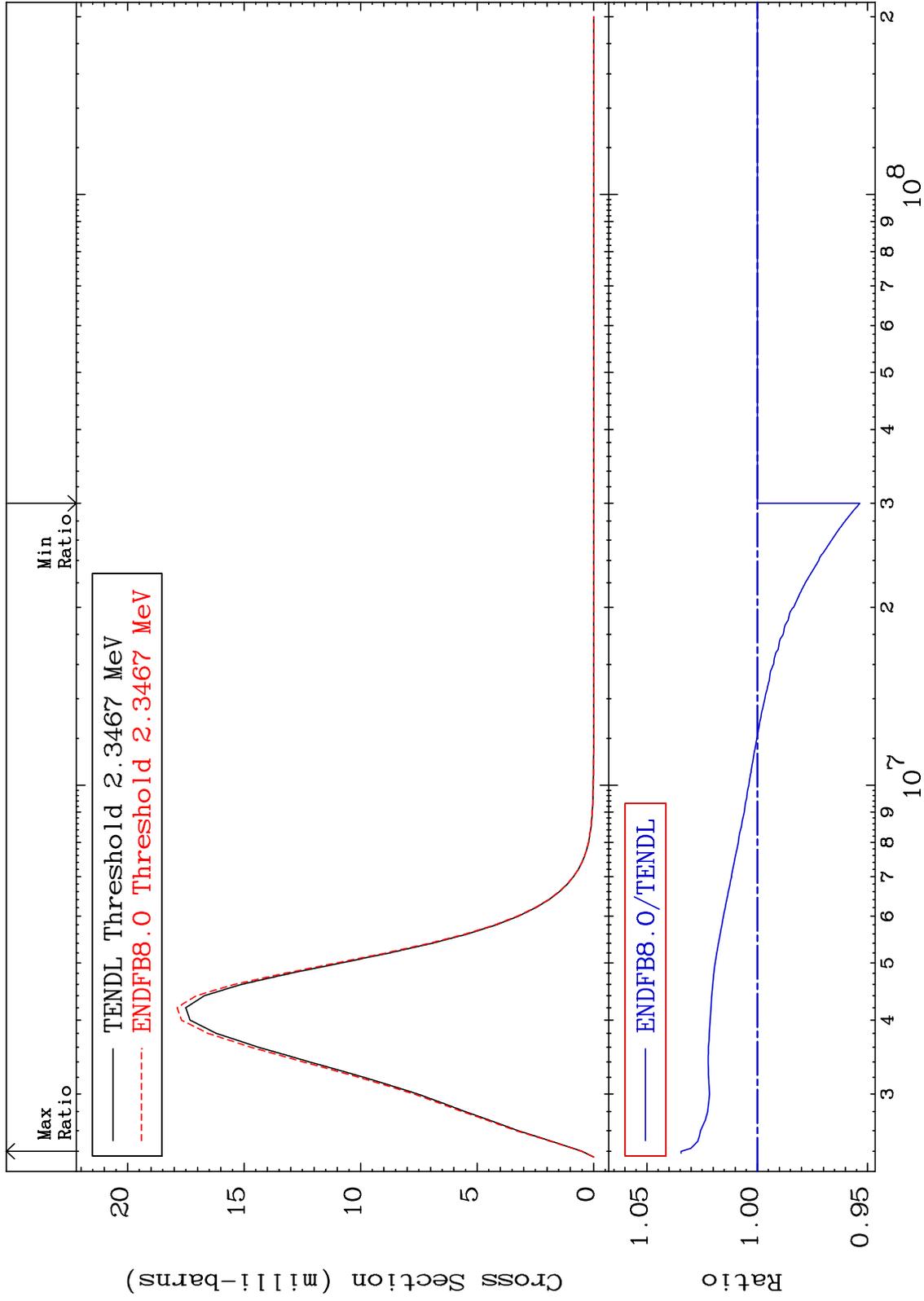
Incident Energy (eV)

84-Po-208

MAT 8431

MT= 67 (n,n') Level
Cross Section

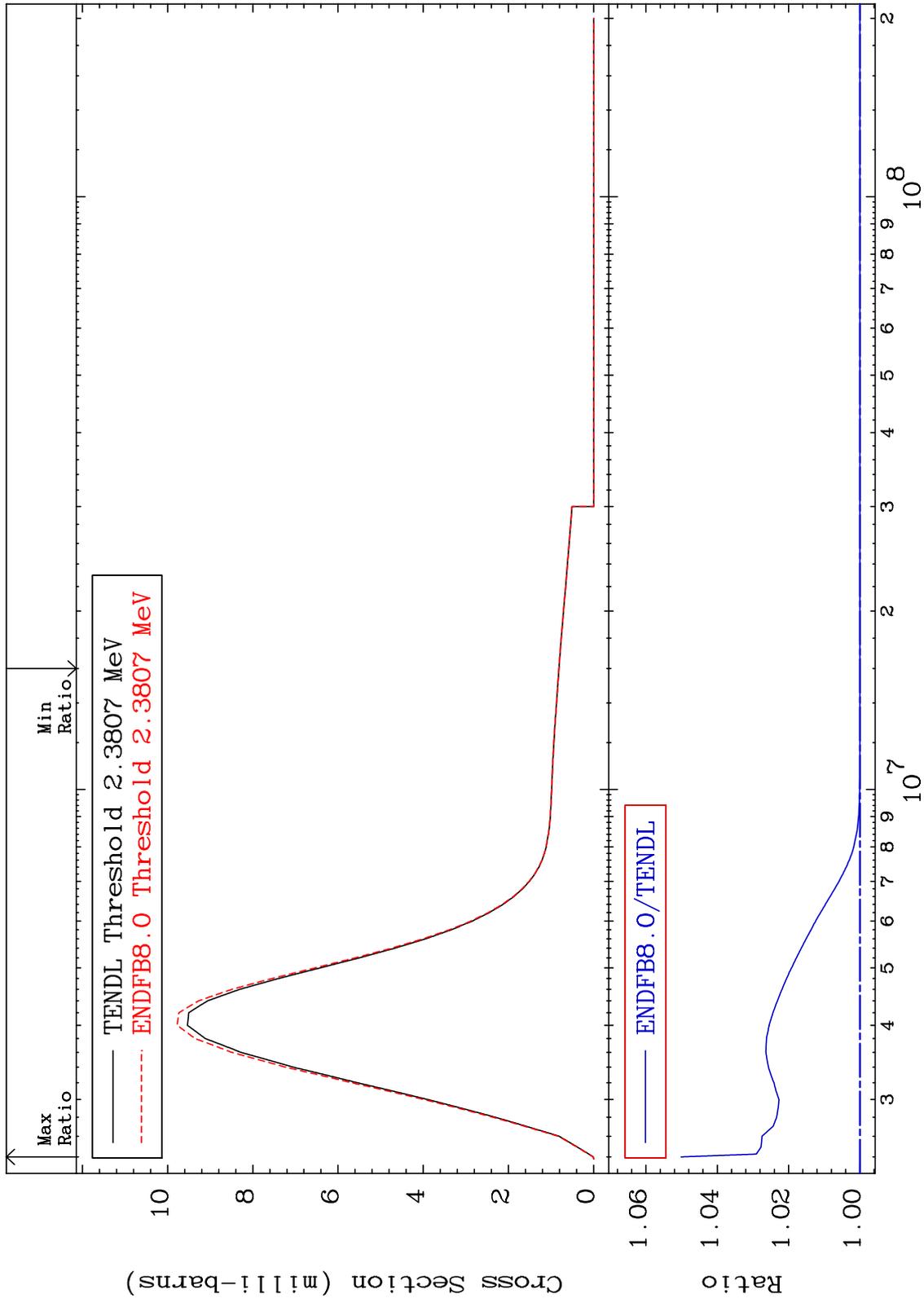
84-Po-208
-4.652 To 3.453 %



MAT 8431

MT= 68 (n,n') Level
Cross Section

84-Po-208
0.000 To 5.014 %



38

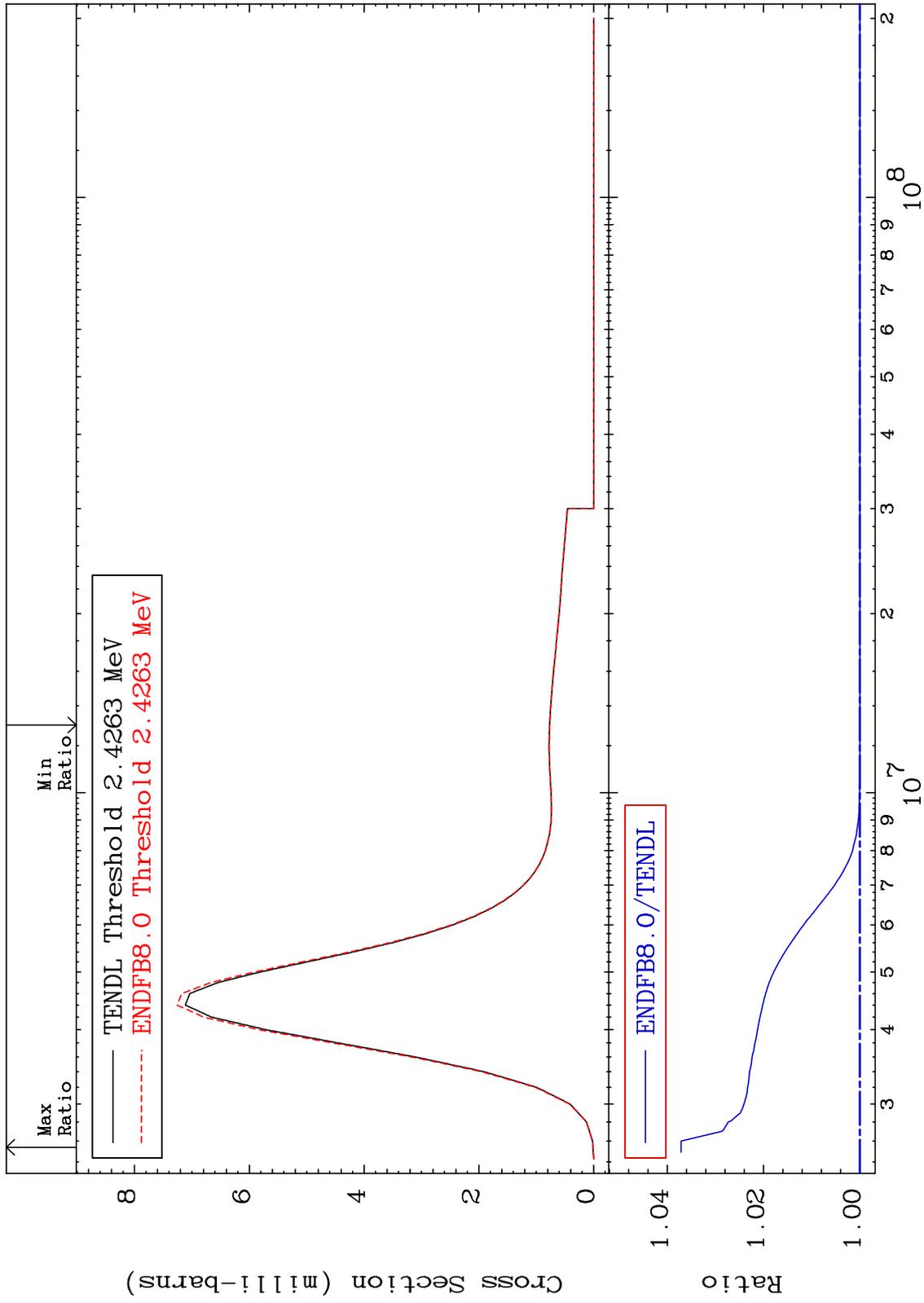
Incident Energy (eV)

84-Po-208

MAT 8431

MT= 69 (n,n') Level
Cross Section

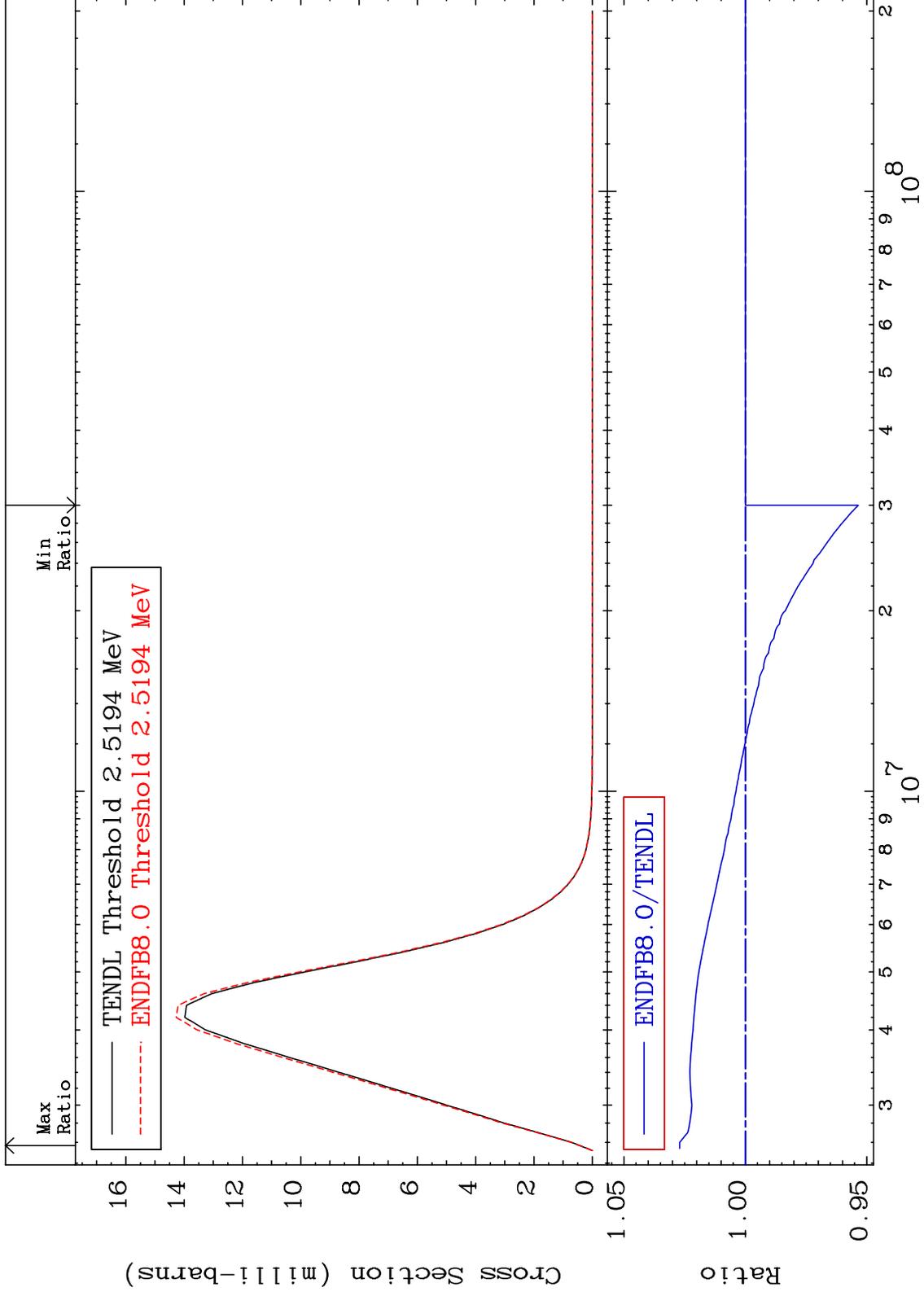
84-Po-208
0.000 To 3.712 %



MAT 8431

MT= 70 (n,n') Level
Cross Section

84-Po-208
-4.652 To 2.703 %



40

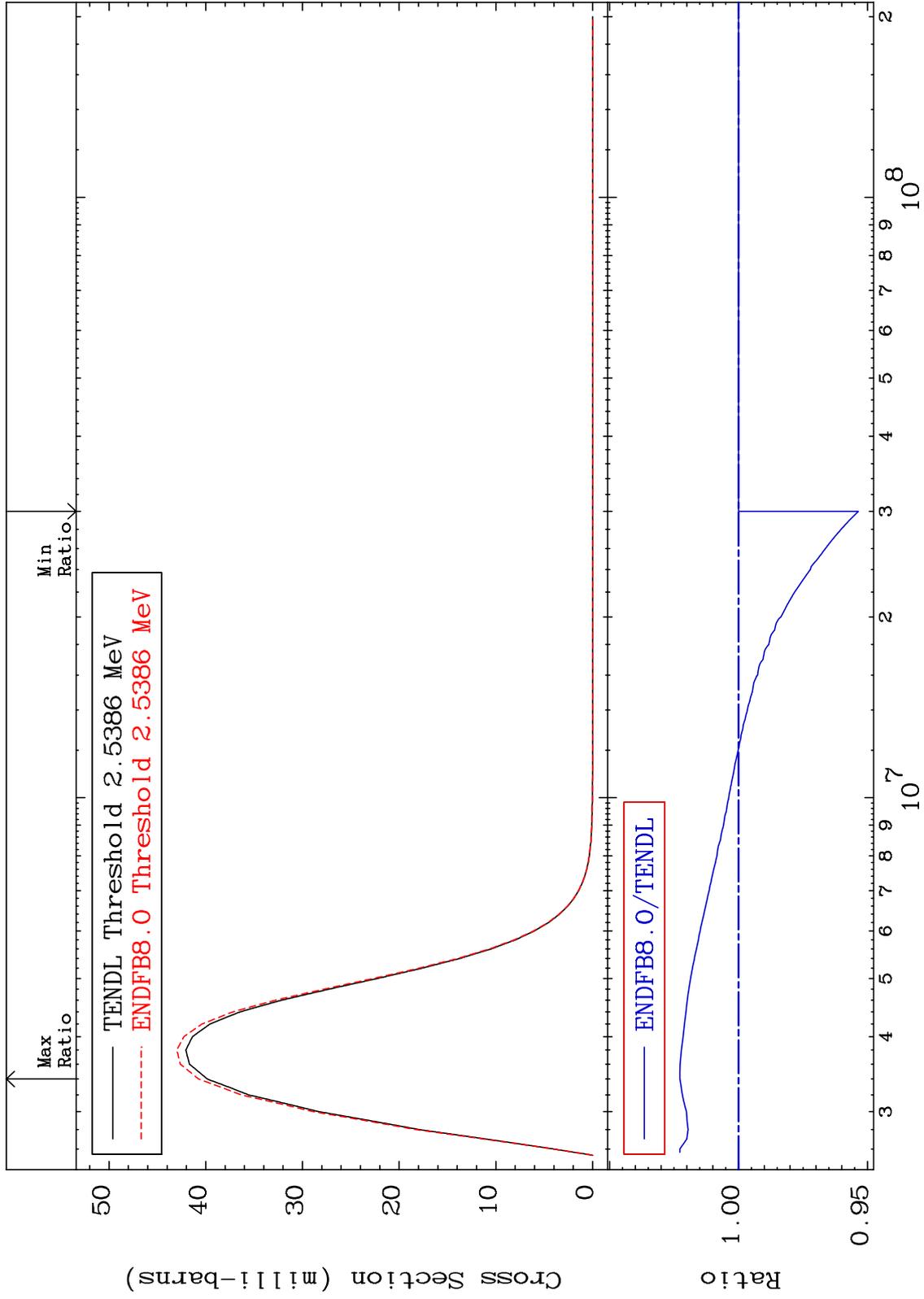
Incident Energy (eV)

84-Po-208

MAT 8431

MT= 71 (n,n') Level
Cross Section

84-Po-208
-4.645 To 2.271 %



41

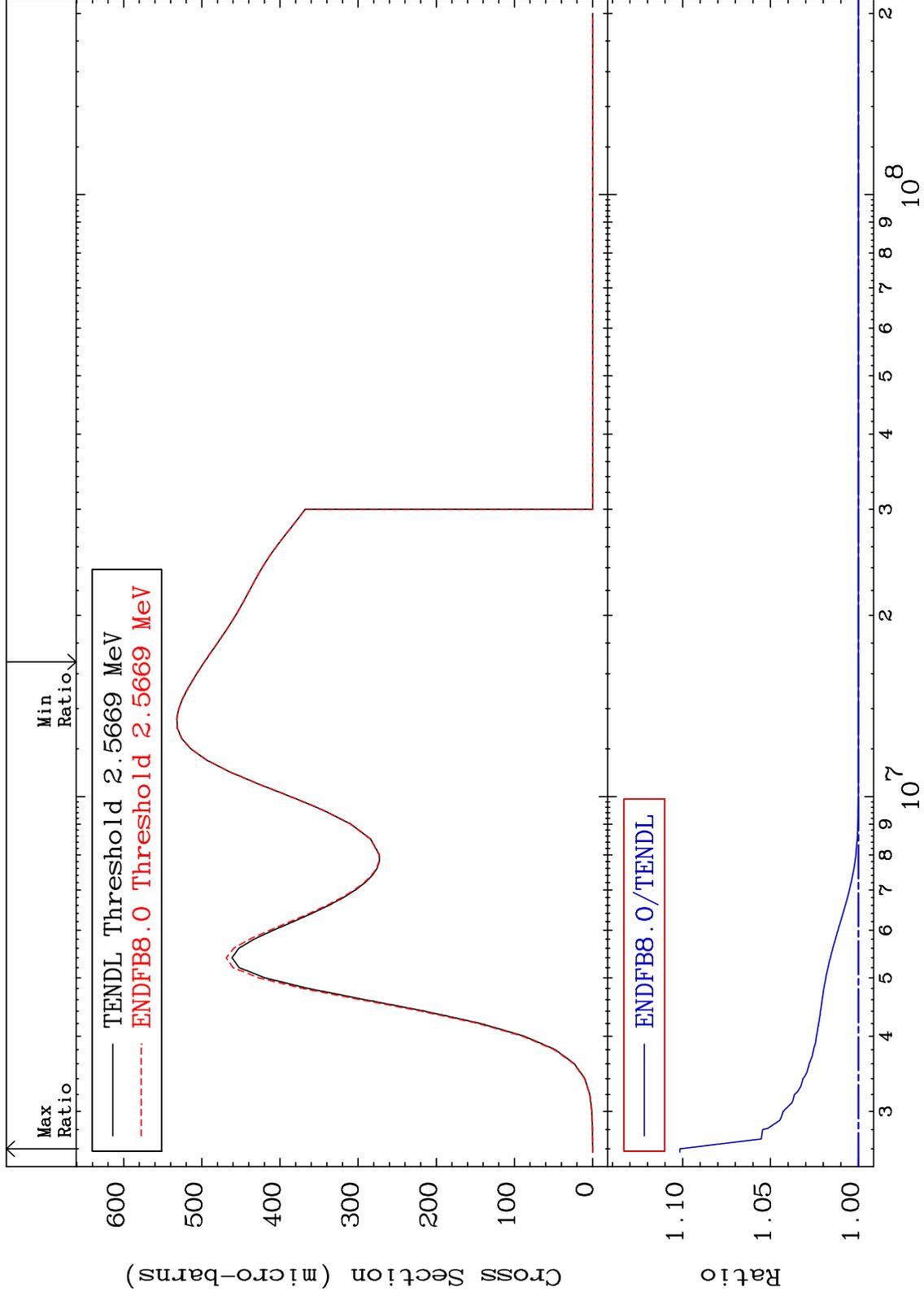
84-Po-208

84-Po-208

MAT 8431

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

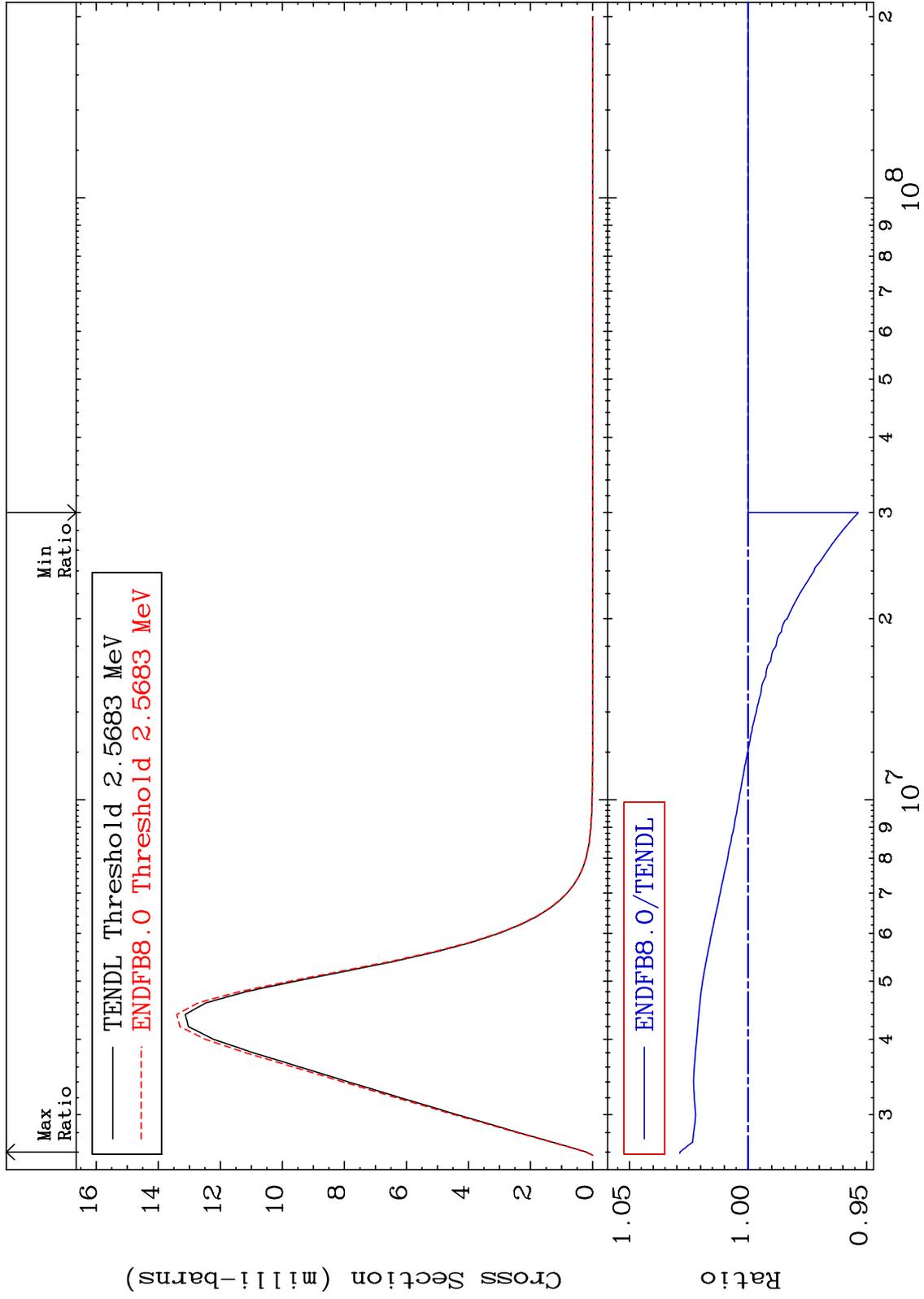
84-Po-208
0.000 To 10.15 %



MAT 8431

MT= 73 (n,n') Level
Cross Section

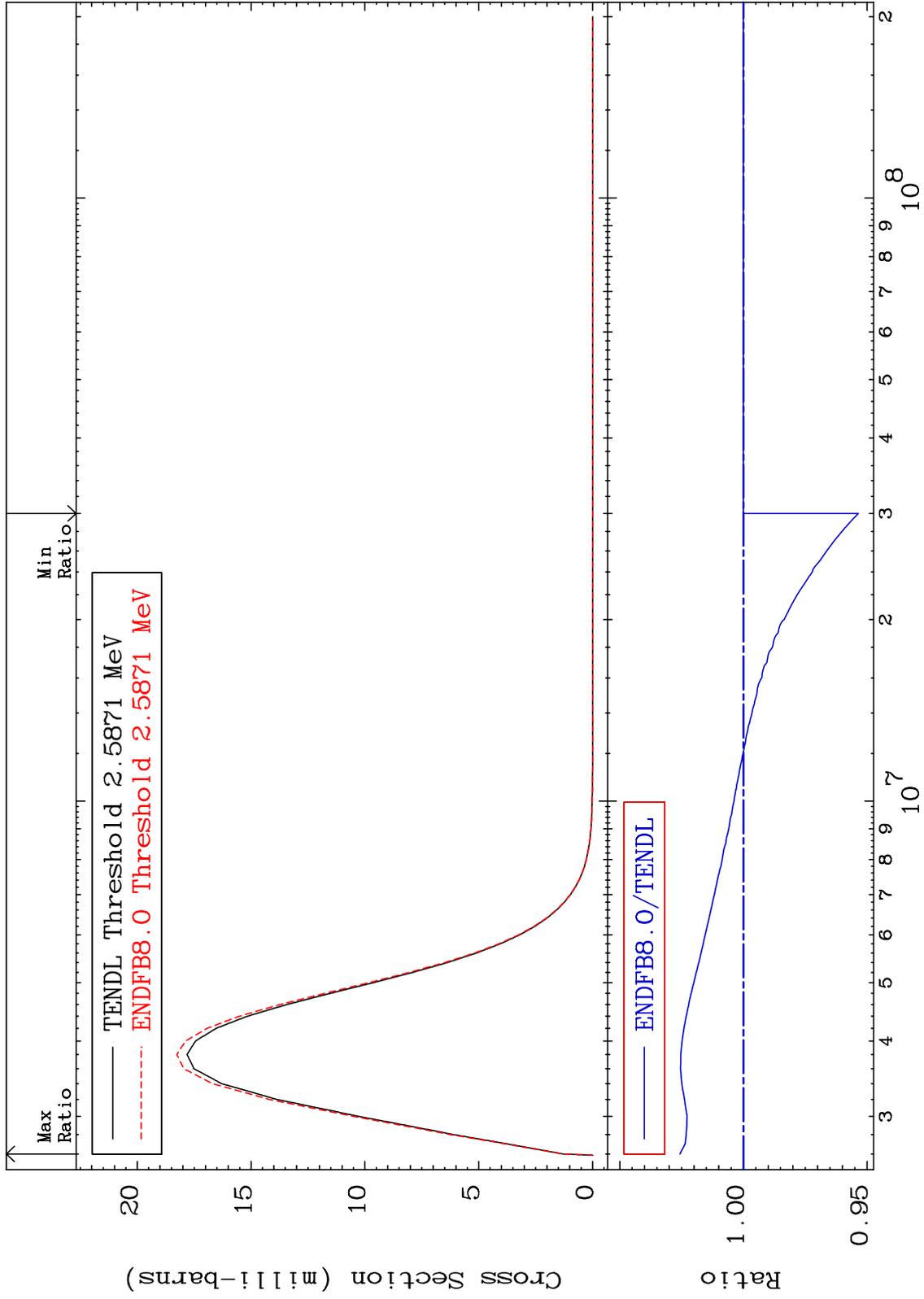
84-Po-208
-4.651 To 2.872 %



MAT 8431

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

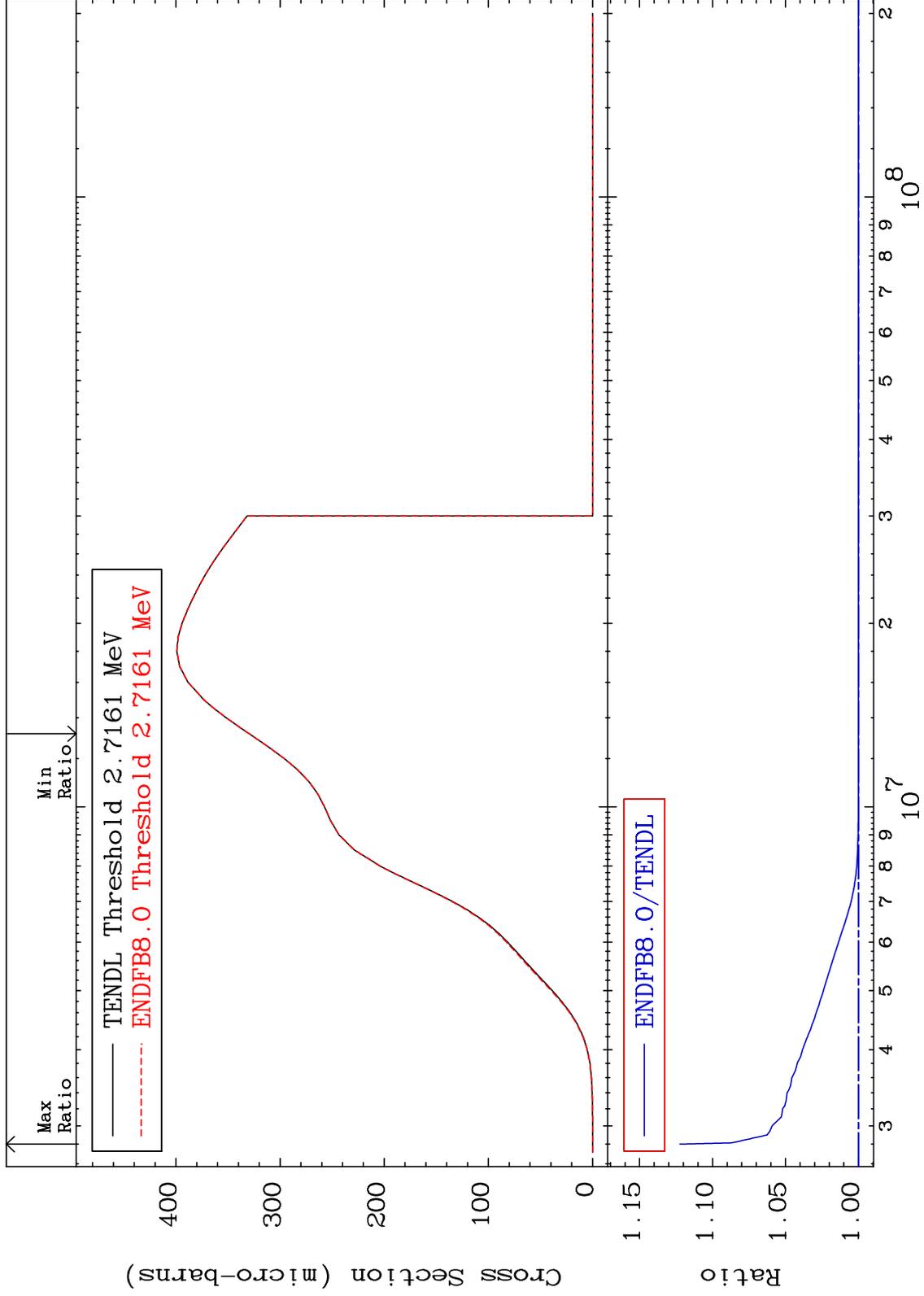
84-Po-208
-4.647 To 2.568 %



MAT 8431

MT= 75 (n,n') Level
Cross Section

84-Po-208
0.000 To 12.23 %



45

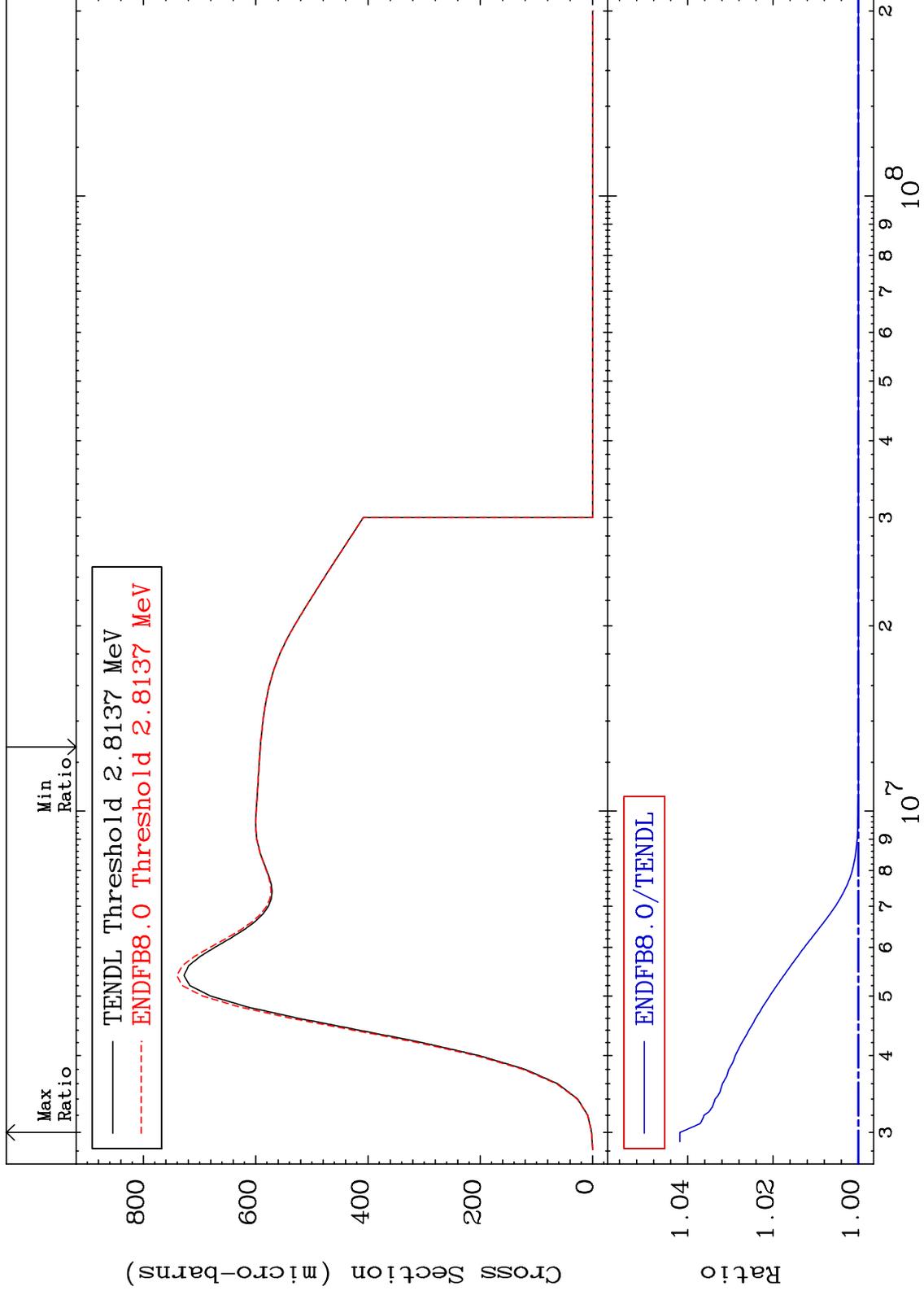
Incident Energy (eV)

84-Po-208

MAT 8431

MT= 76 (n,n') Level
Cross Section

84-Po-208
0.000 To 4.184 %



46

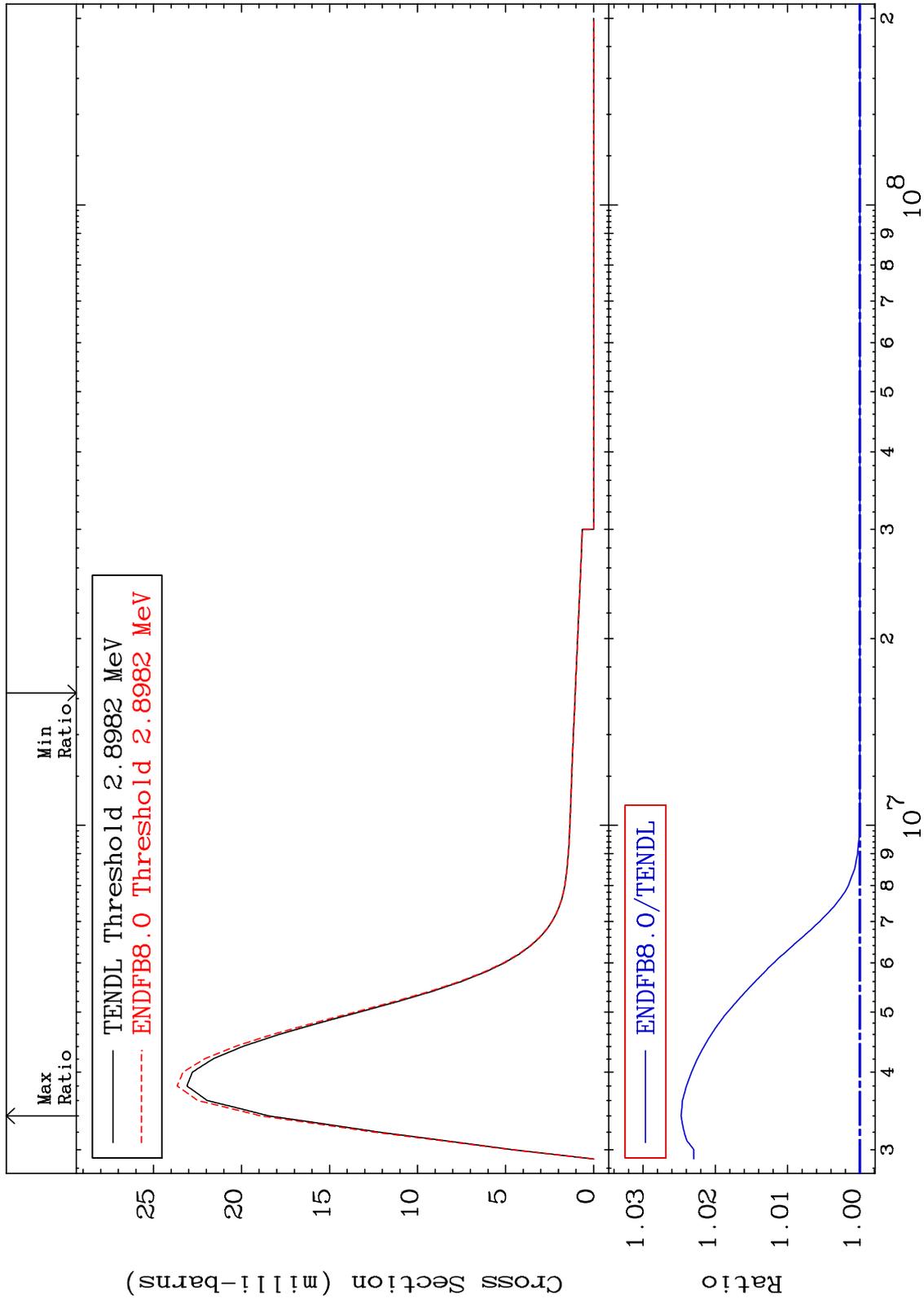
Incident Energy (eV)

84-Po-208

MAT 8431

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

84-Po-208
0.000 To 2.472 %



47

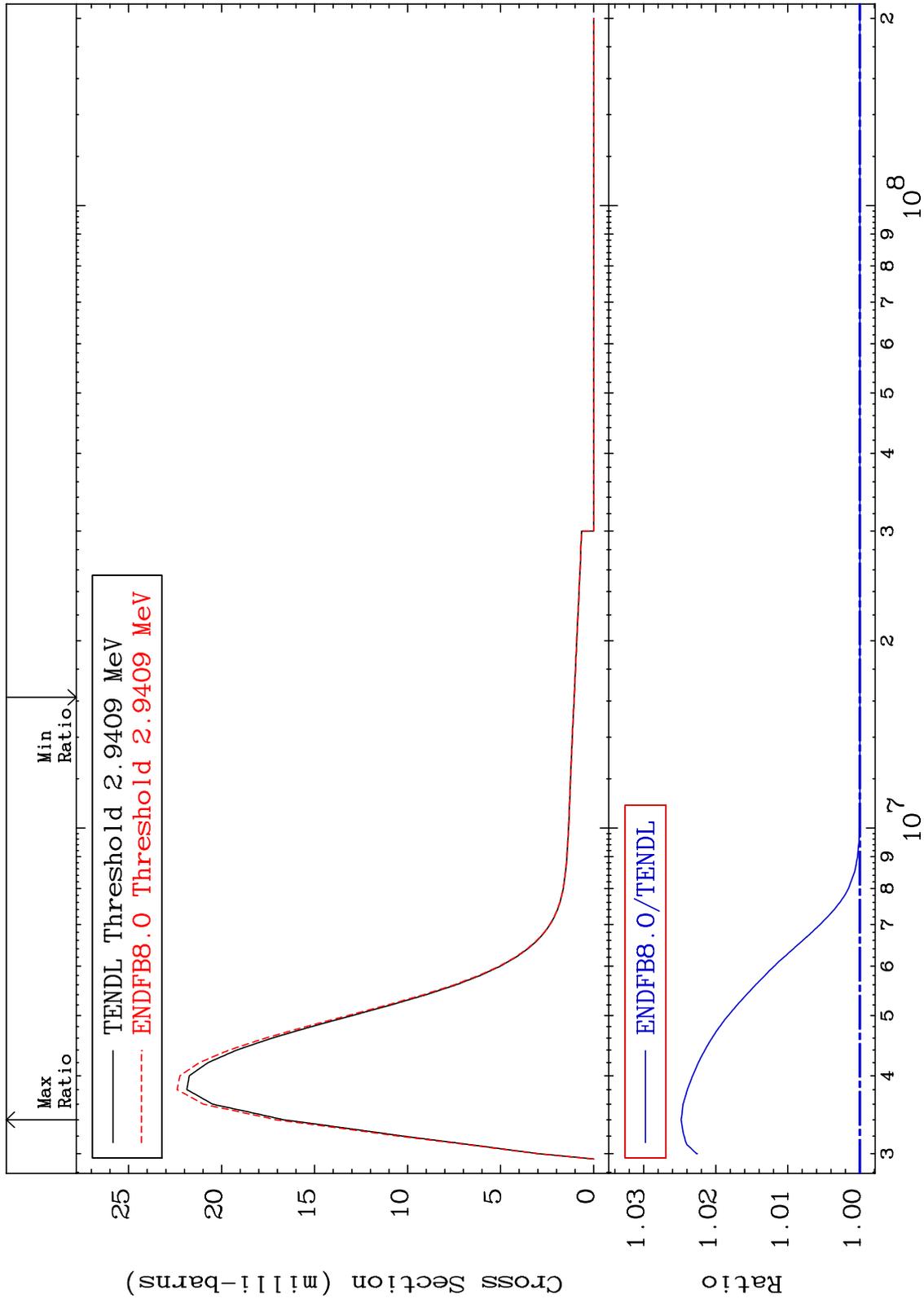
Incident Energy (eV)

84-Po-208

MAT 8431

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

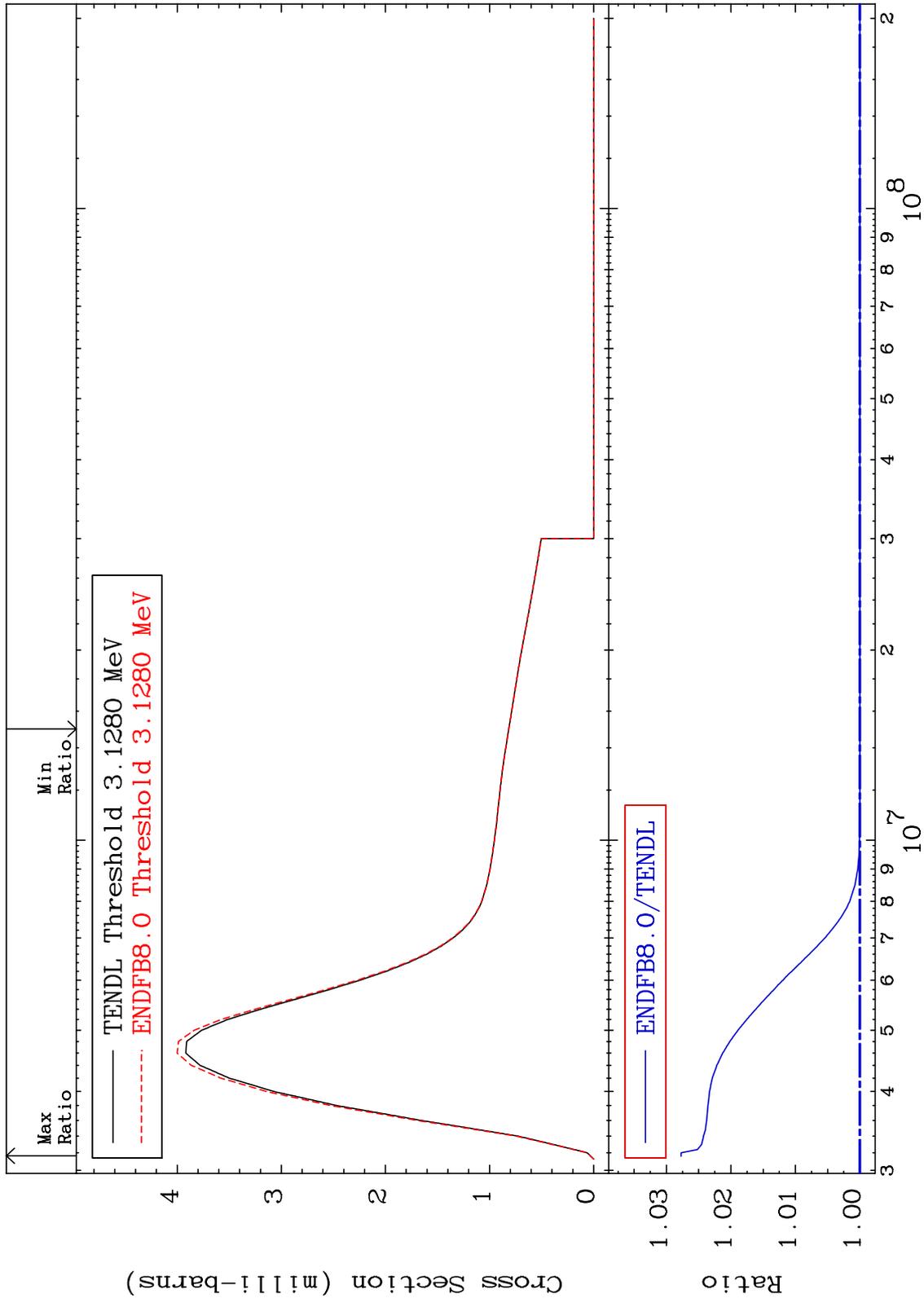
84-Po-208
0.000 To 2.481 %



MAT 8431

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

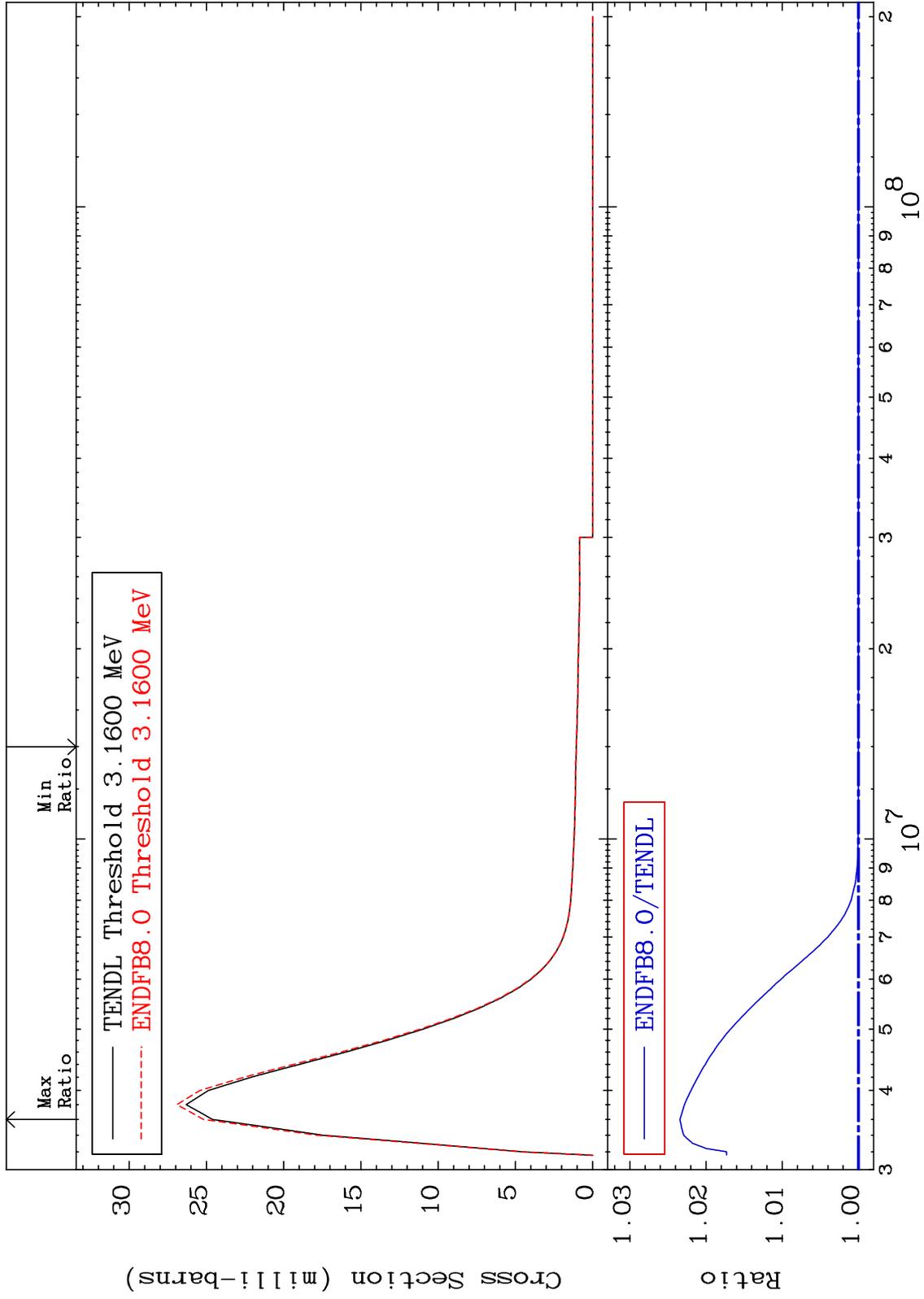
84-Po-208
0.000 To 2.772 %



MAT 8431

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

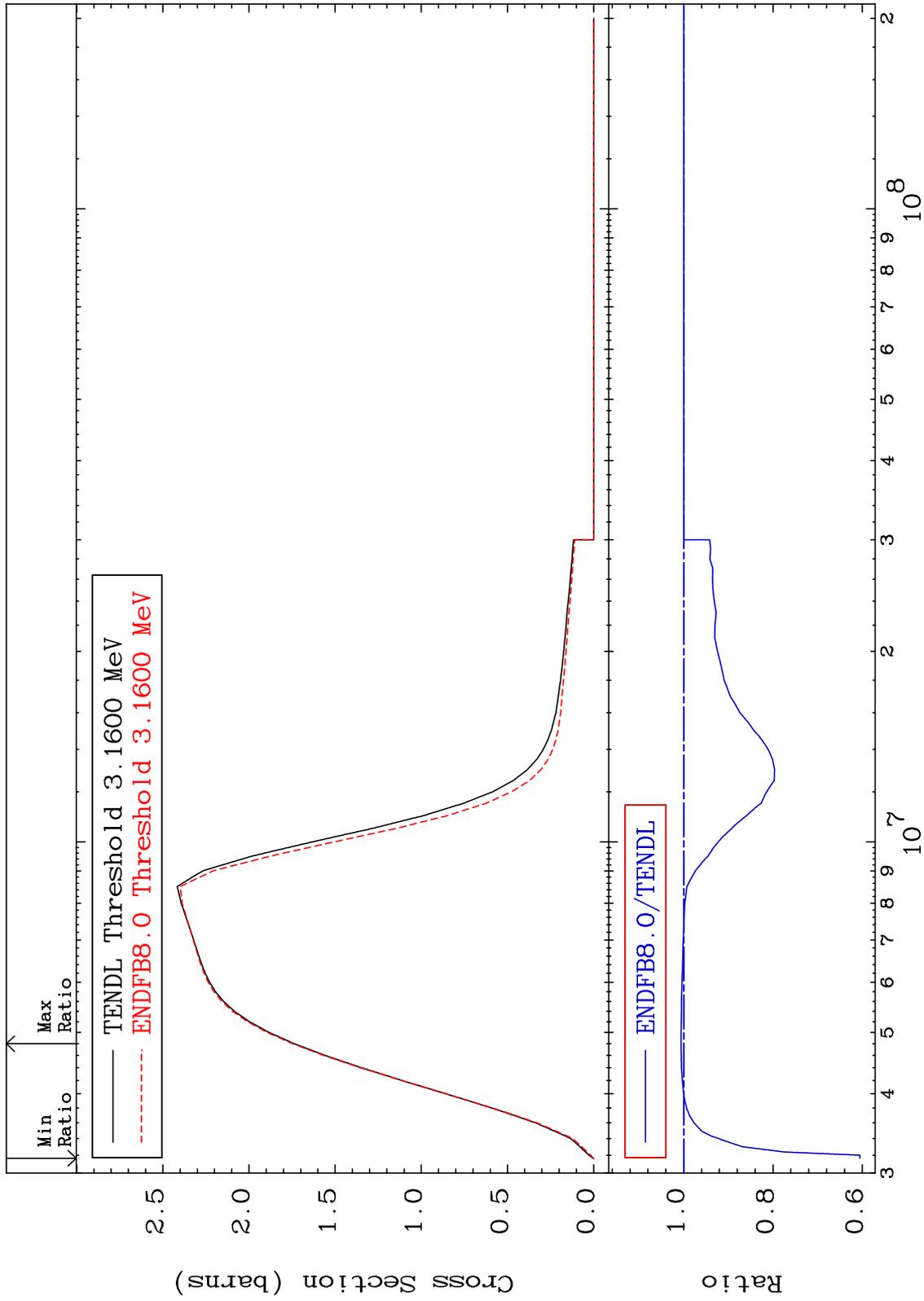
84-Po-208
0.000 To 2.342 %



MAT 8431

(n,n') Continuum
Cross Section

84-Po-208
-39.45 To 0.568 %

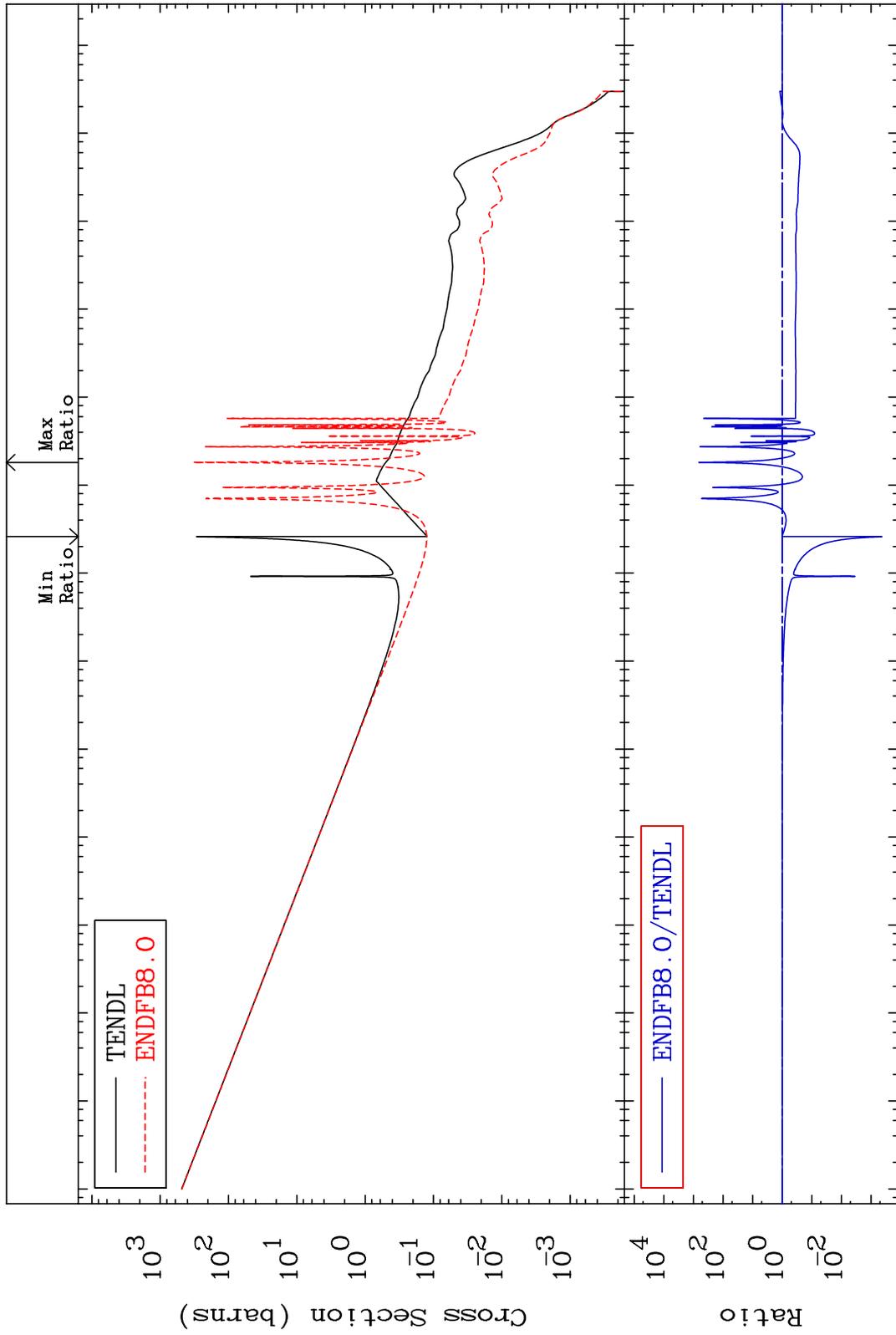


MAT 8431

84-Po-208

-99.96 To 9999. %

(n, γ)
Cross Section



Incident Energy (eV)

84-Po-208

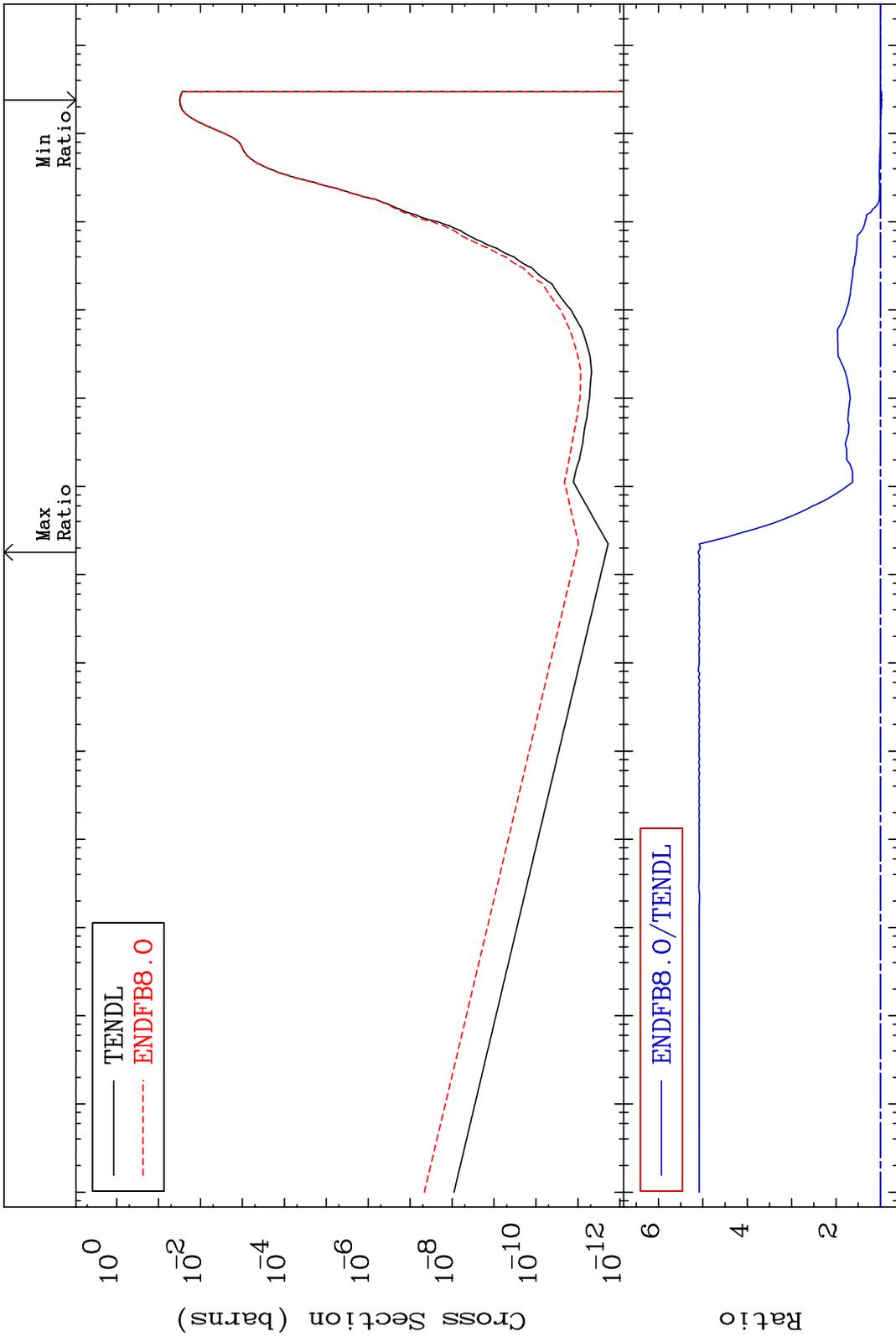
MAT 8431

(n, p)

84-Po-208

Cross Section

-3.561 To 410.7 %



Incident Energy (eV)

84-Po-208

53

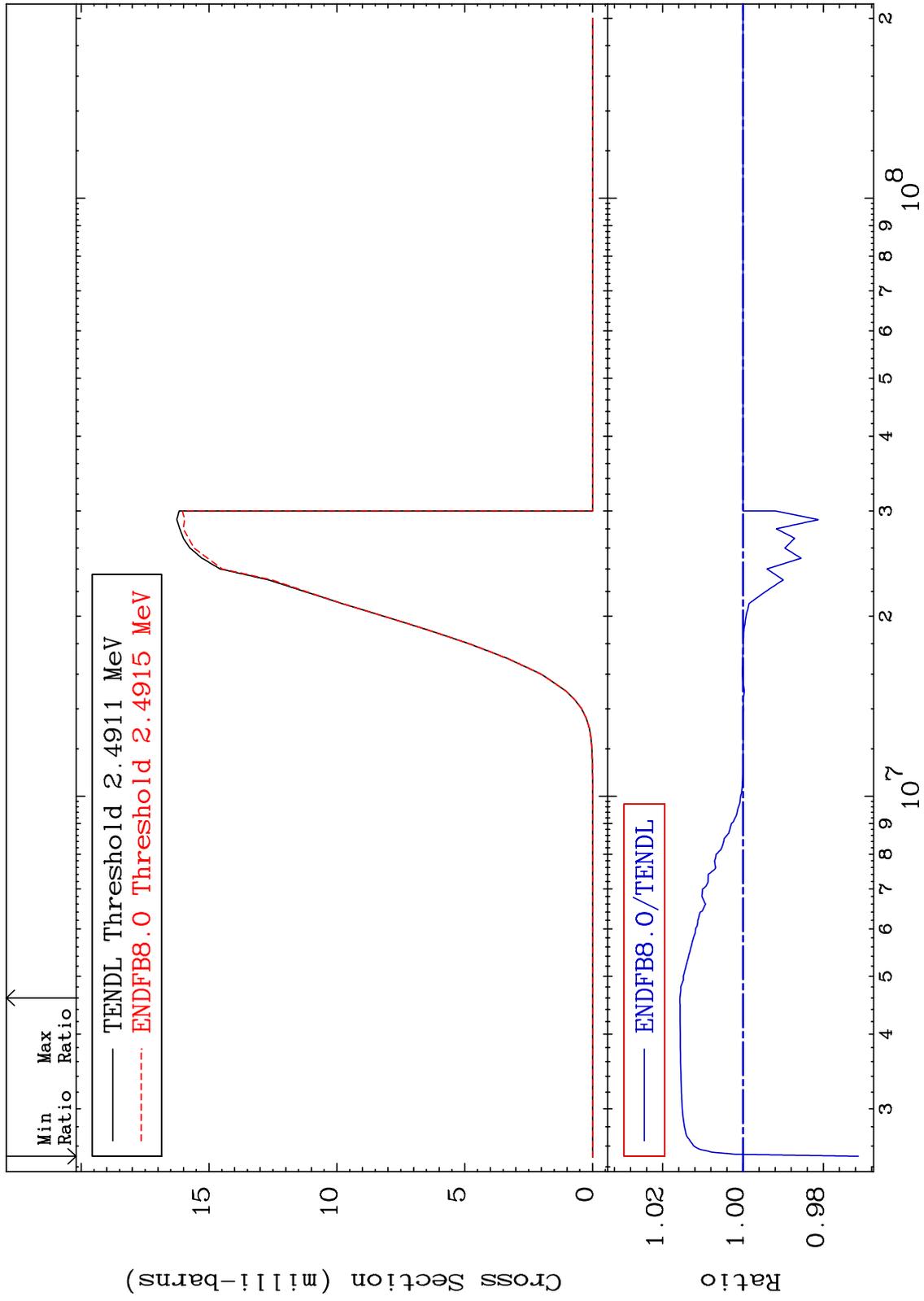
MAT 8431

(n, d)

84-Po-208

Cross Section

-2.872 To 1.571 %



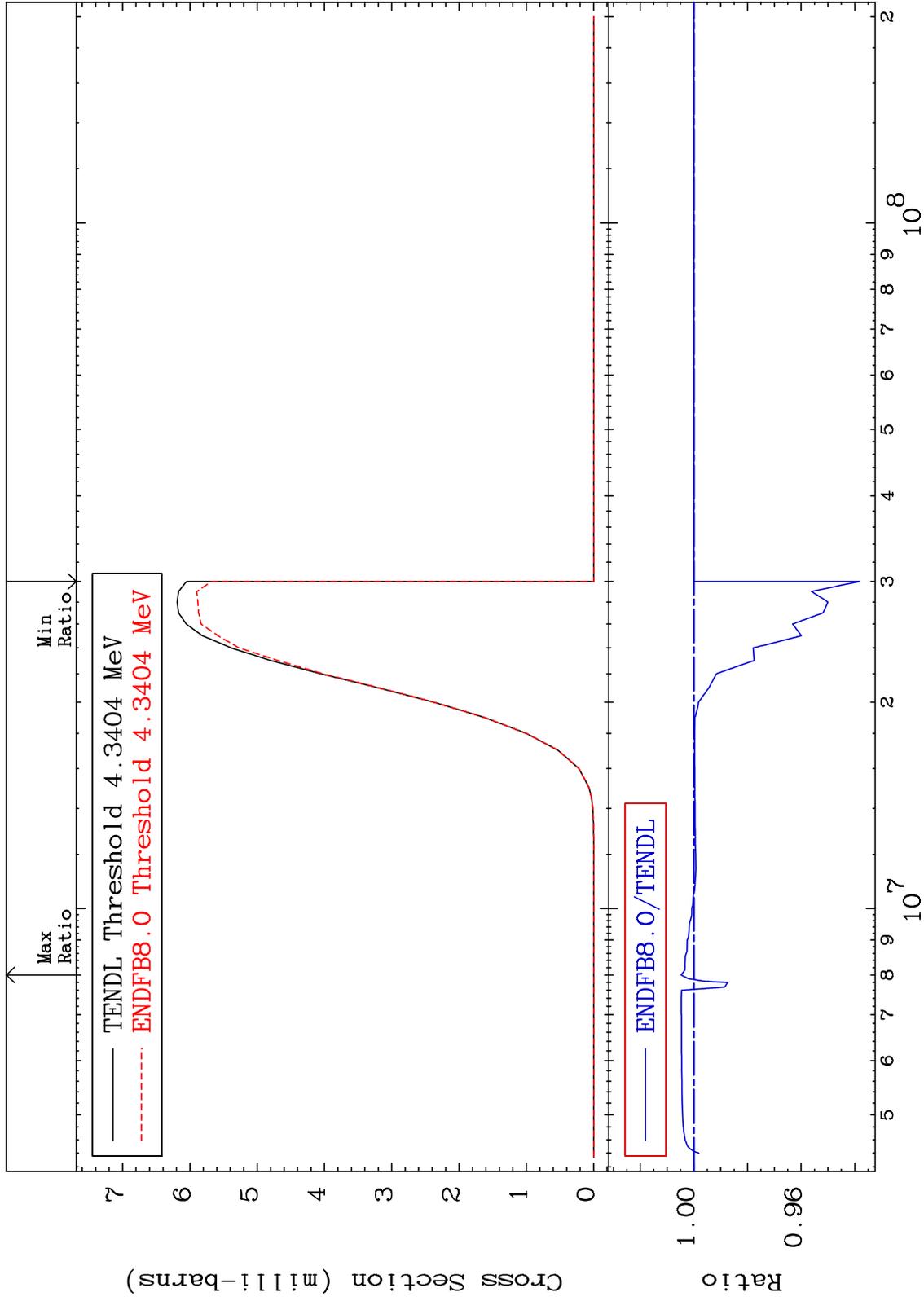
MAT 8431

(n, t)

84-Po-208

Cross Section

-6.191 To 0.475 %



55

Incident Energy (eV)

84-Po-208

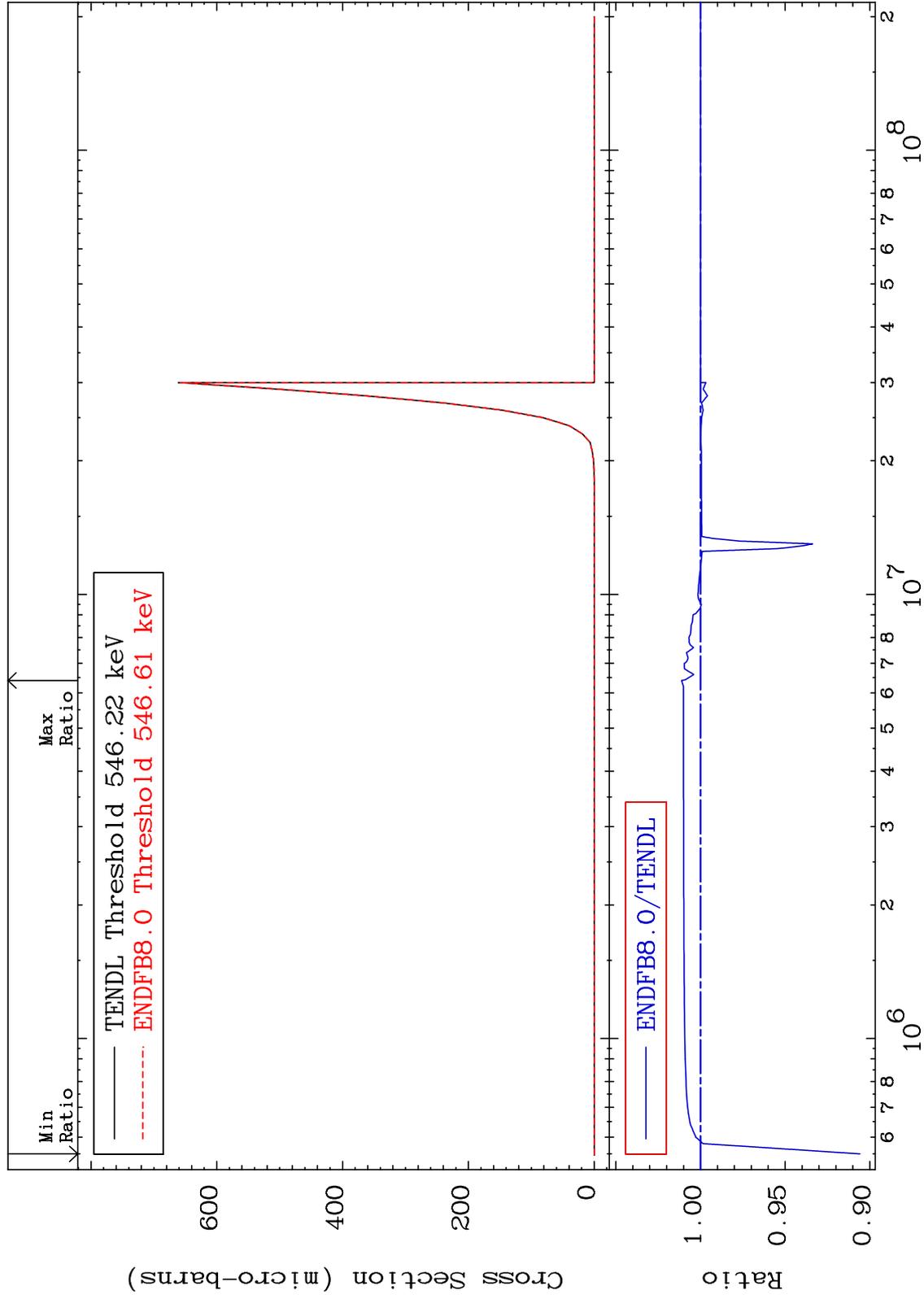
MAT 8431

(n, He-3)

84-Po-208

-9.425 To 1.119 %

Cross Section



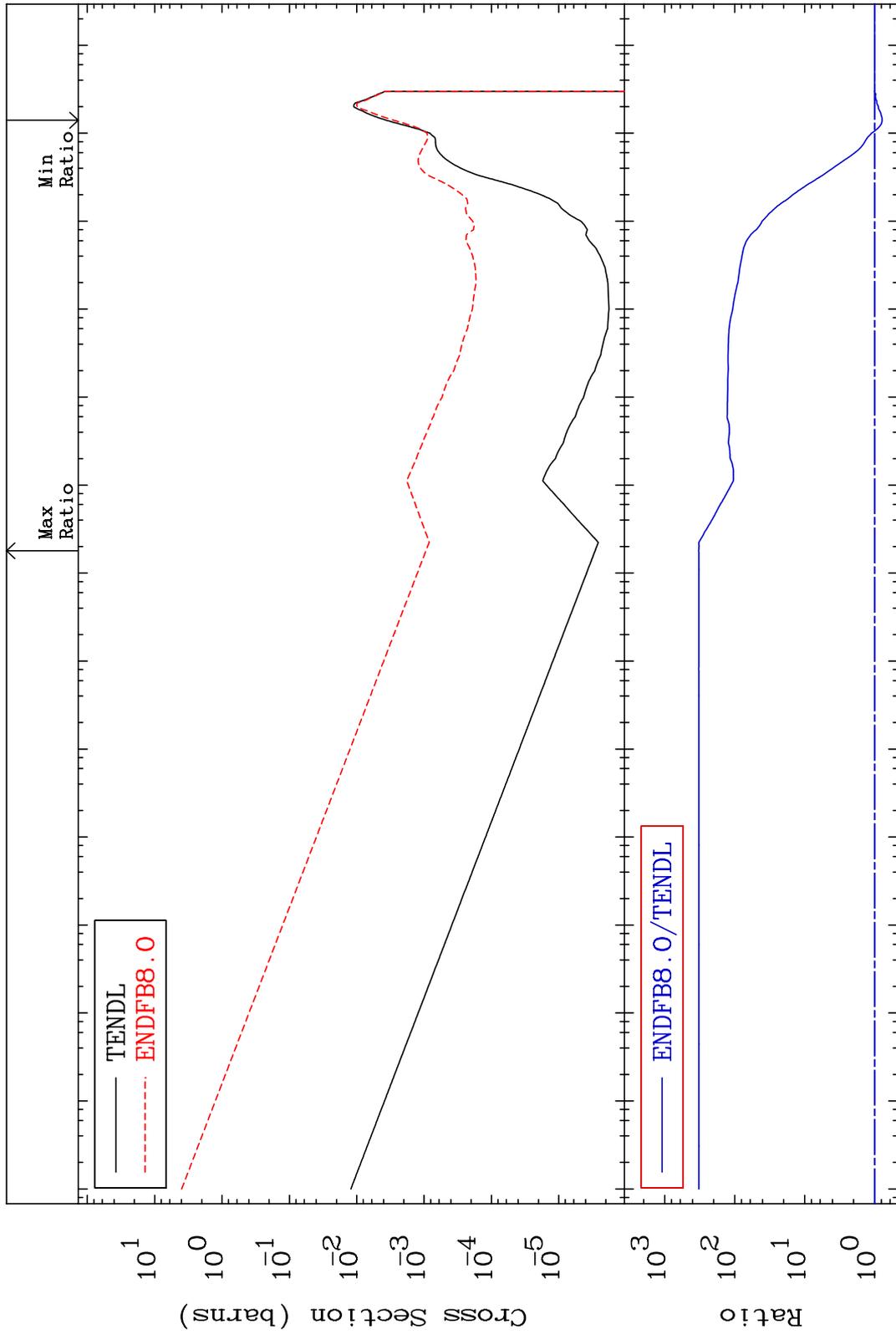
MAT 8431

(n, α)

84-Po-208

Cross Section

-22.02 To 9999. %



Incident Energy (eV)

84-Po-208

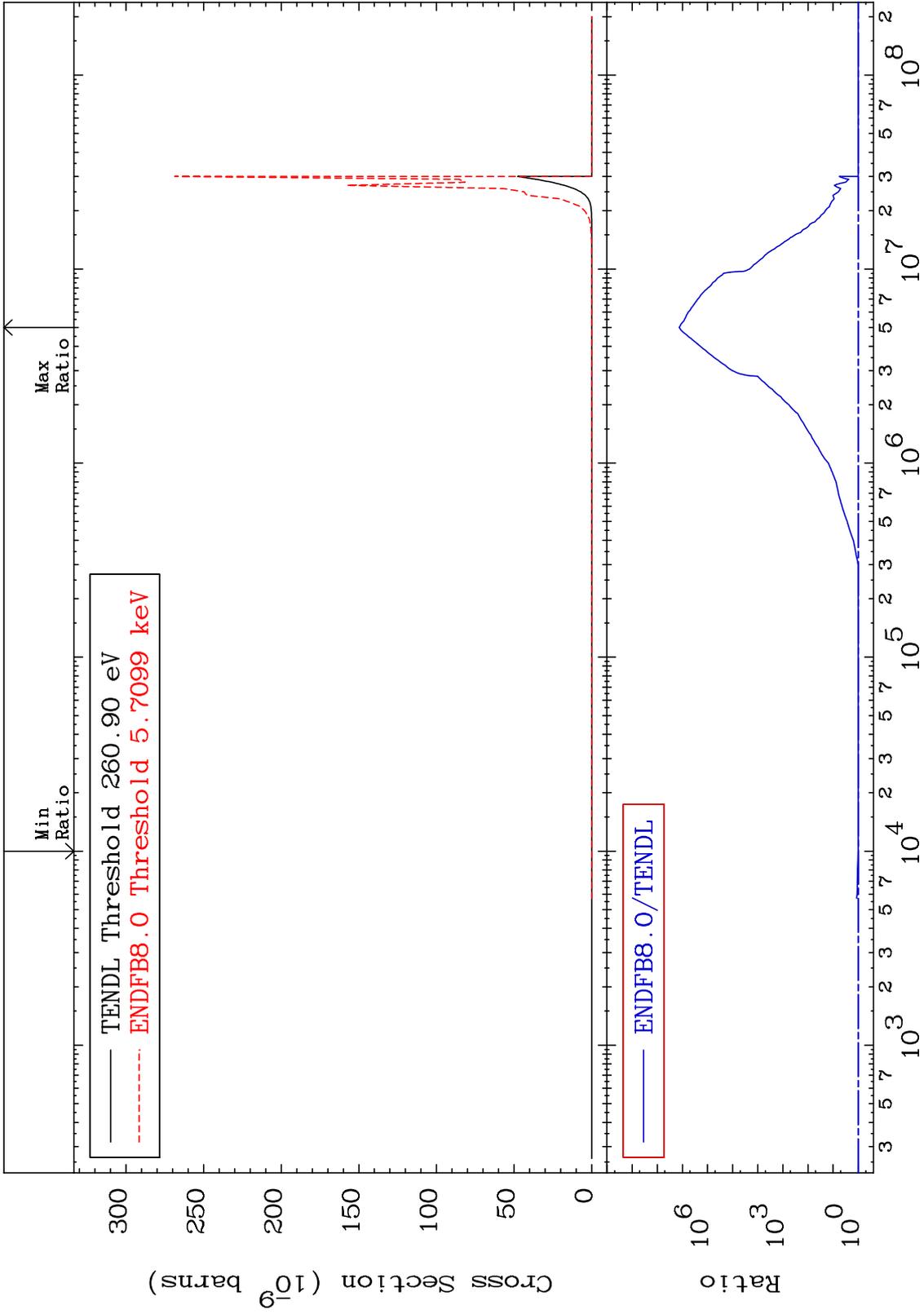
MAT 8431

(n, 2α)

84-Po-208

Cross Section

0.000 To 9999. %



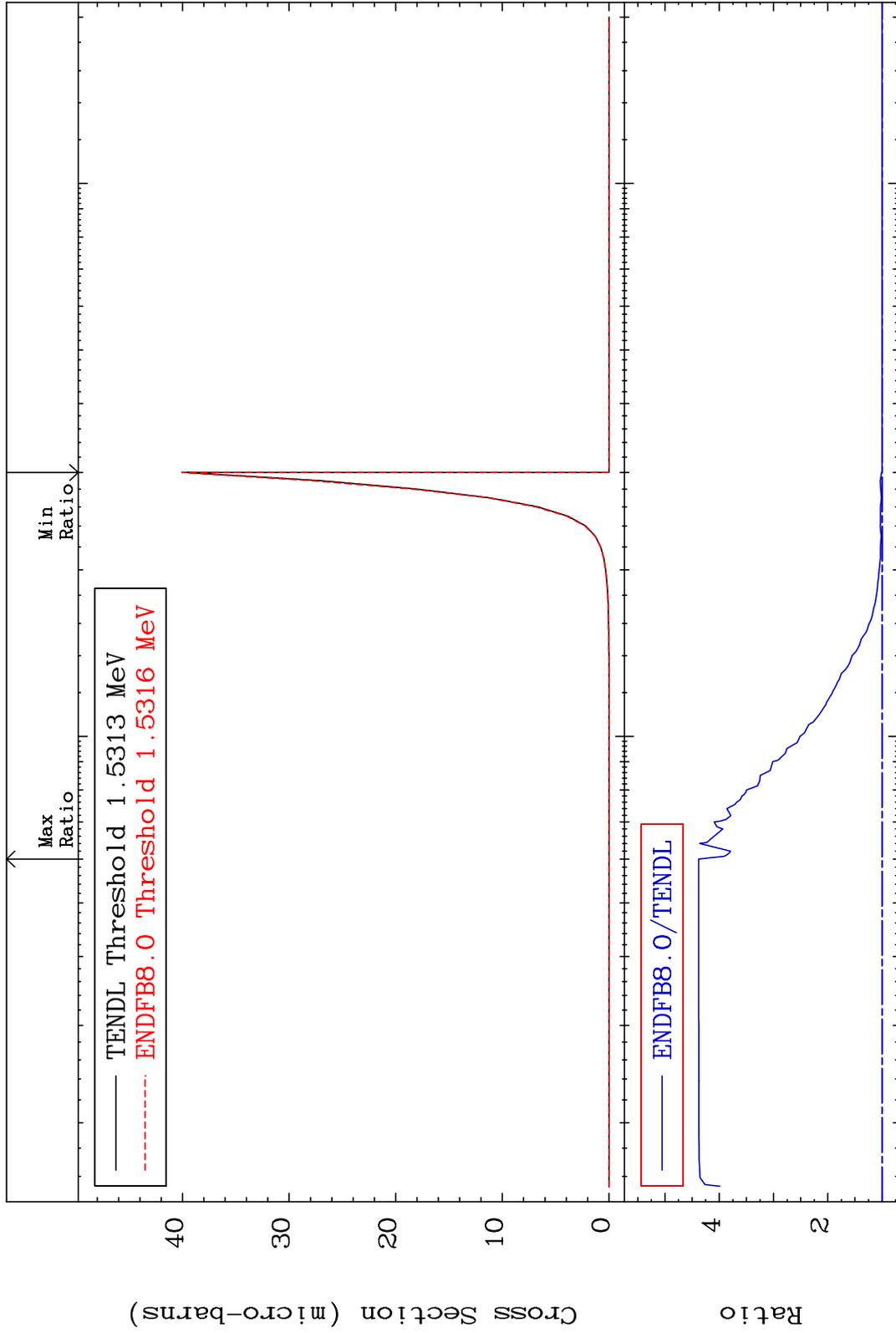
MAT 8431

(n,2p)

84-Po-208

Cross Section

0.000 To 337.9 %



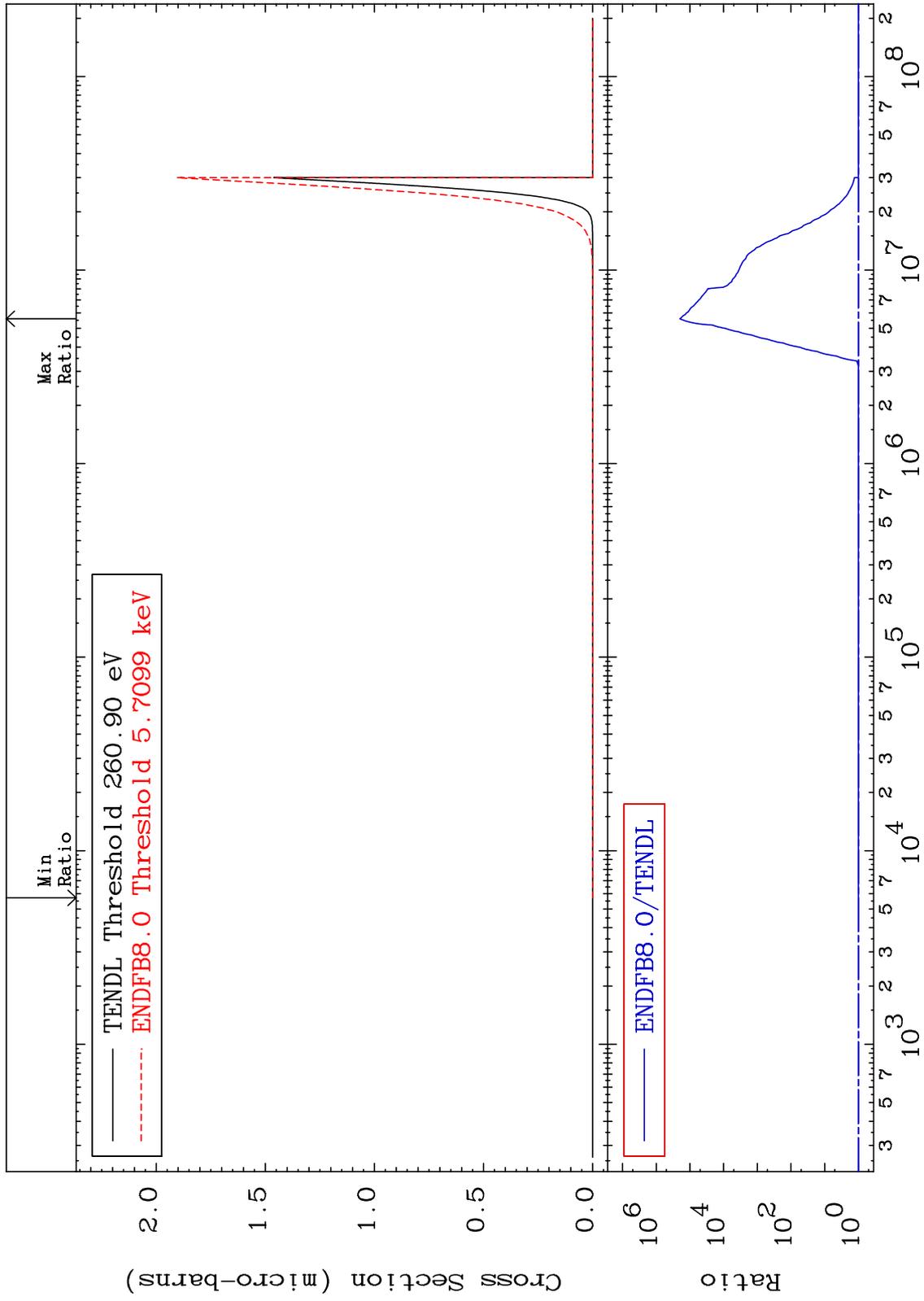
MAT 8431

(n,p) α

84-Po-208

Cross Section

0.000 To 9999. %



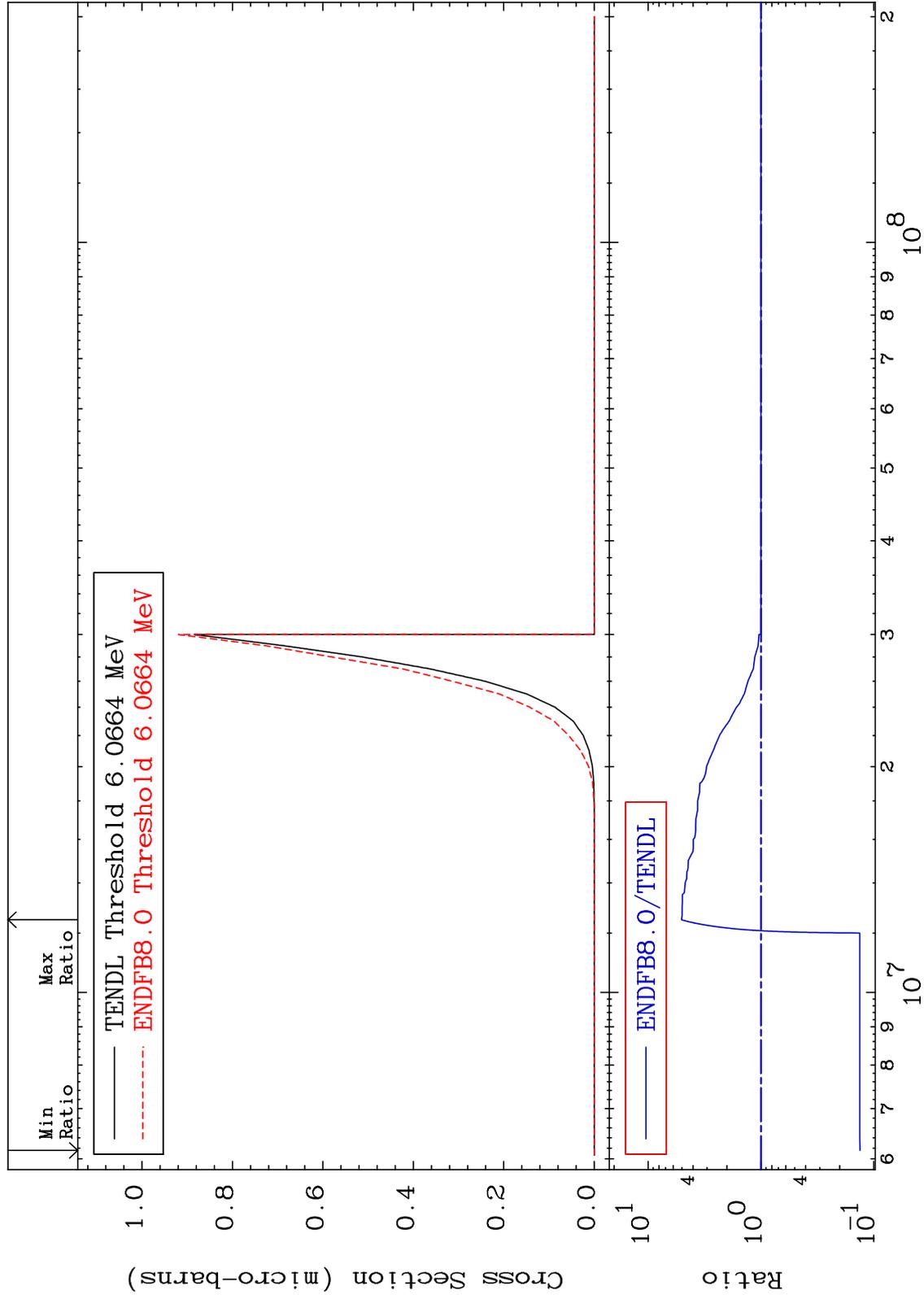
MAT 8431

(n,p) d

84-Po-208

Cross Section

-86.79 To 404.8 %



61

Incident Energy (eV)

84-Po-208

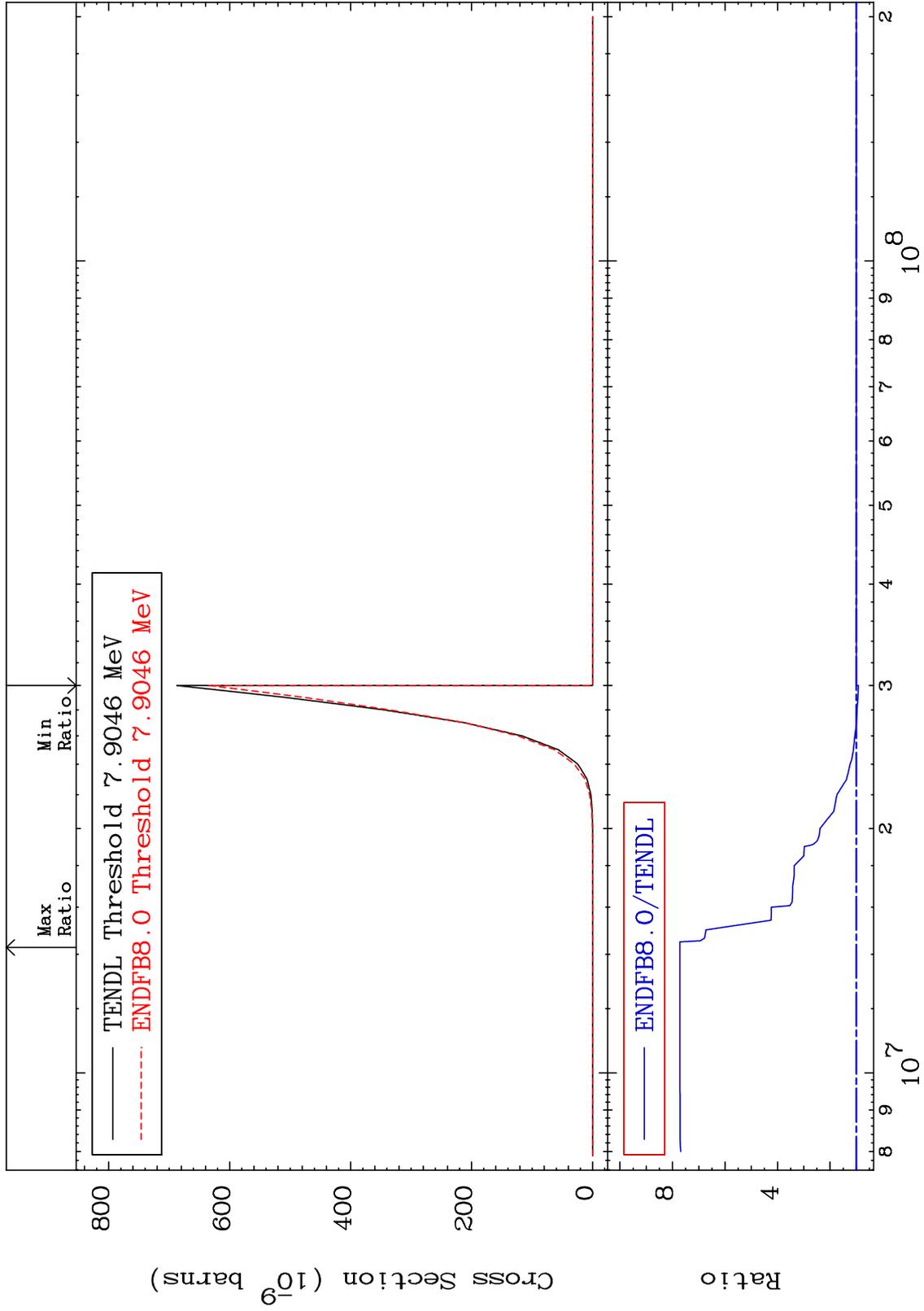
MAT 8431

(n,p) t

84-Po-208

Cross Section

-7.781 To 671.6 %



62

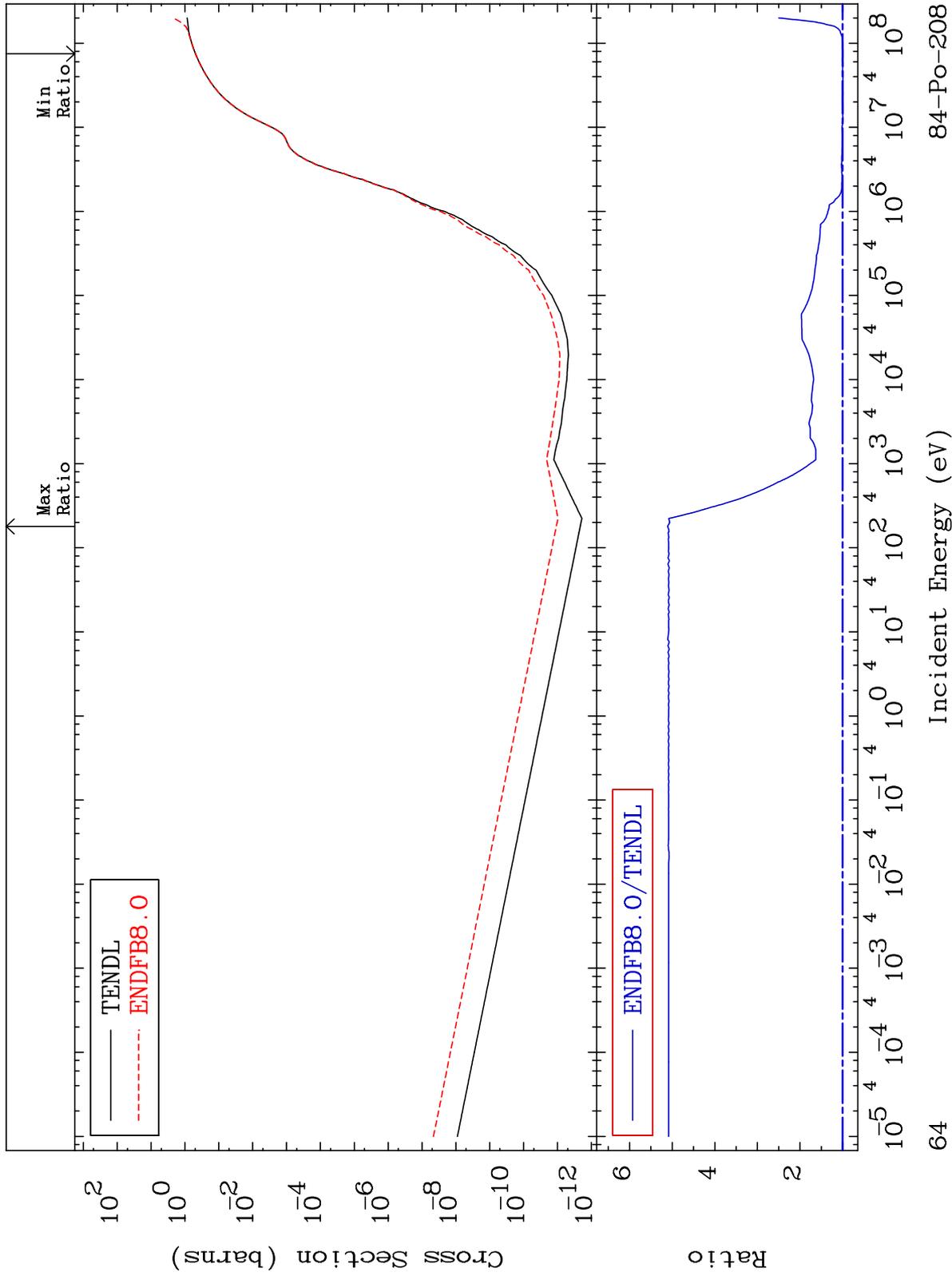
Incident Energy (eV)

84-Po-208

MAT 8431

Hydrogen Production
Cross Section

84-Po-208
-0.388 To 410.7 %



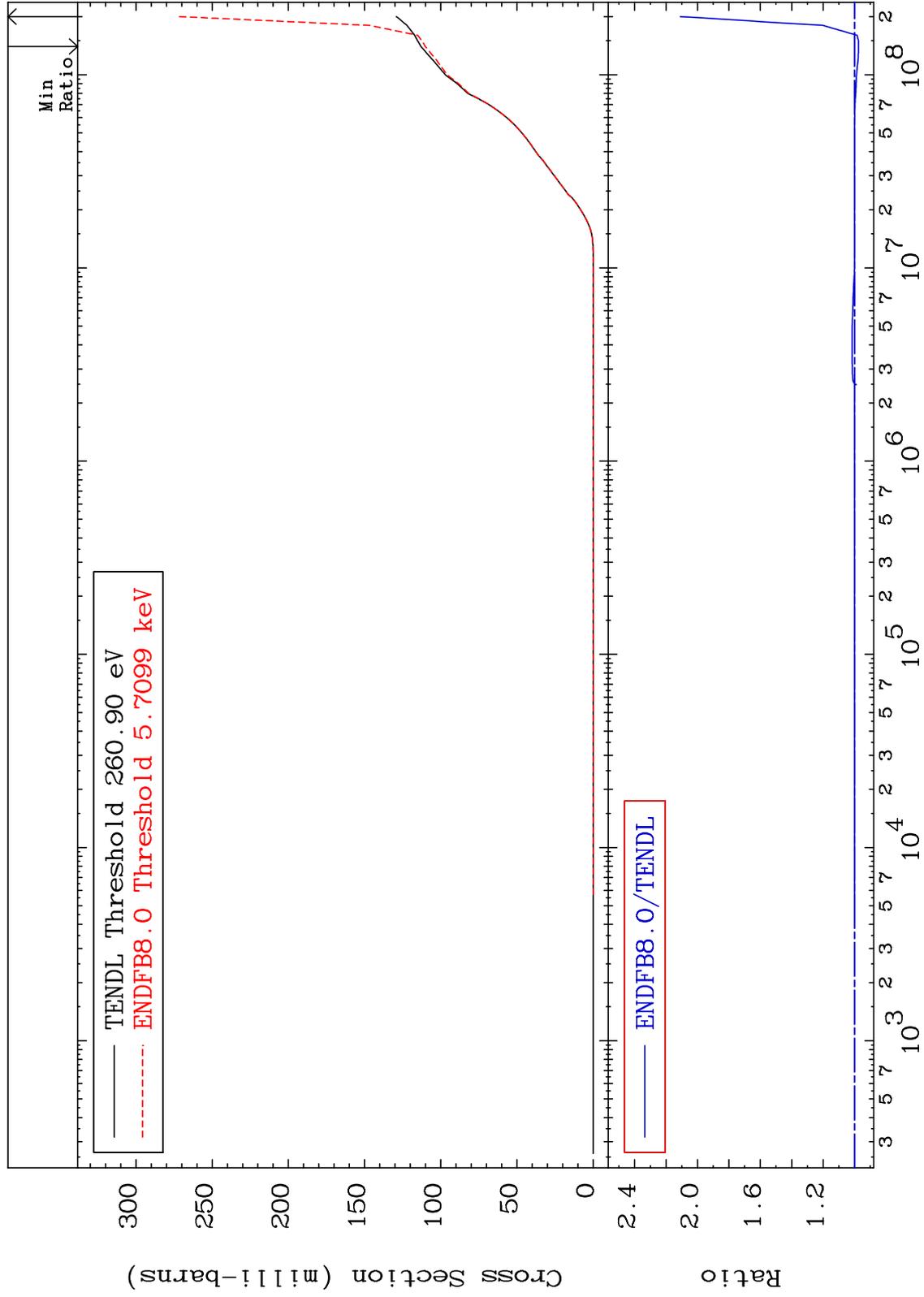
64

84-Po-208

MAT 8431

Deuterium Production
Cross Section

84-Po-208
-2.520 To 110.9 %



65

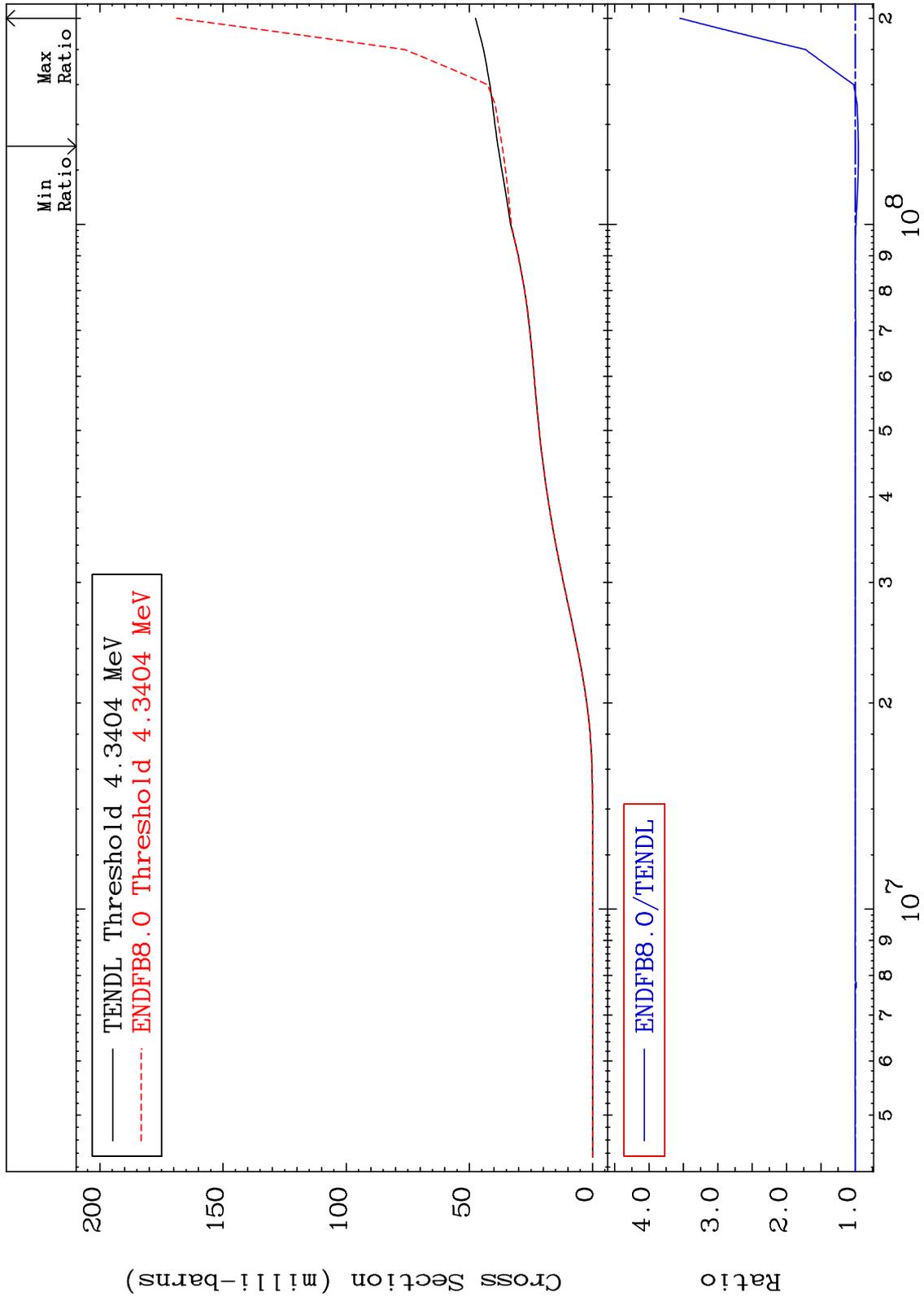
Incident Energy (eV)

84-Po-208

MAT 8431

Tritium Production
Cross Section

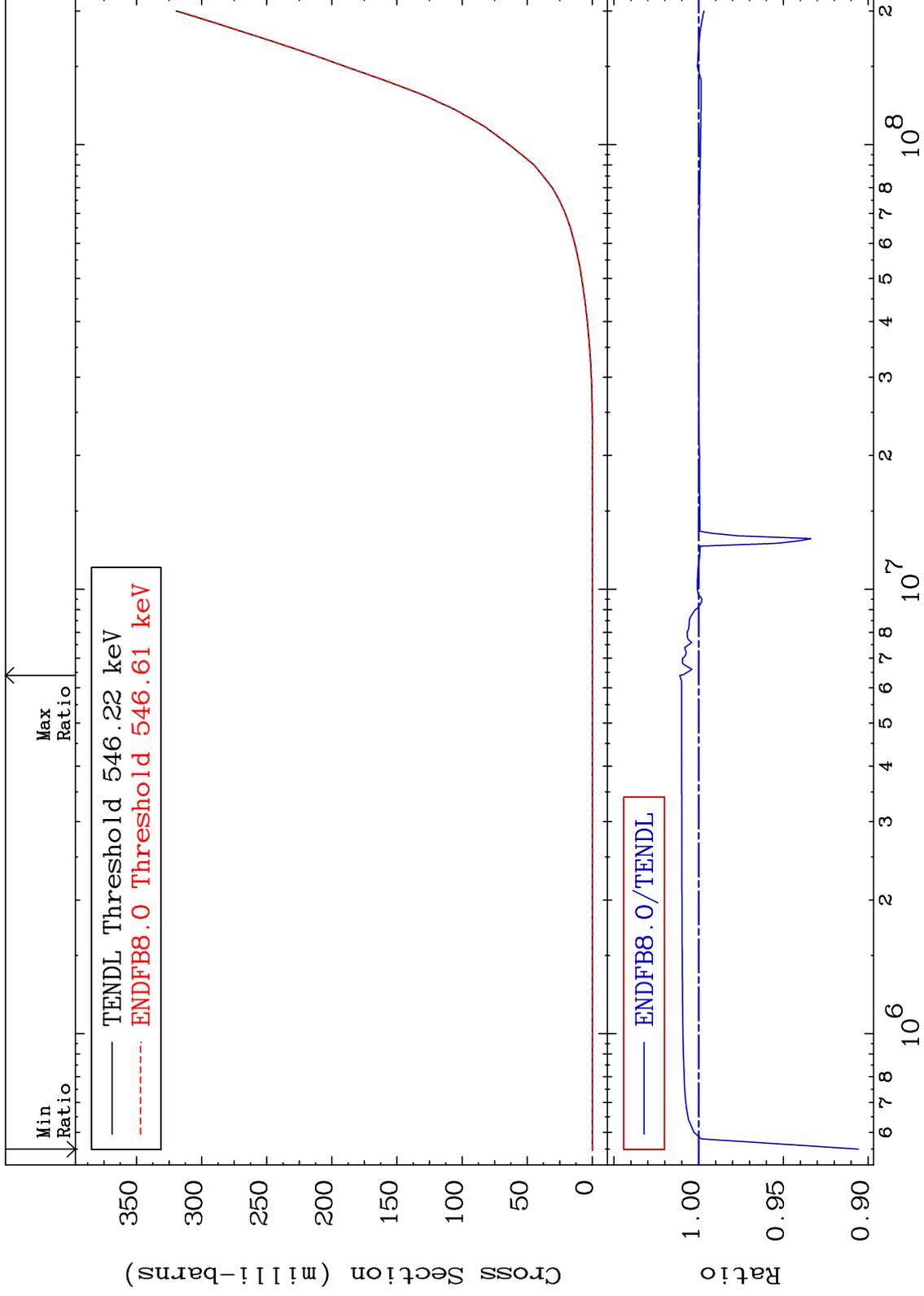
84-Po-208
-4.461 To 255.0 %



MAT 8431

He-3 Production
Cross Section

84-Po-208
-9.425 To 1.119 %



67

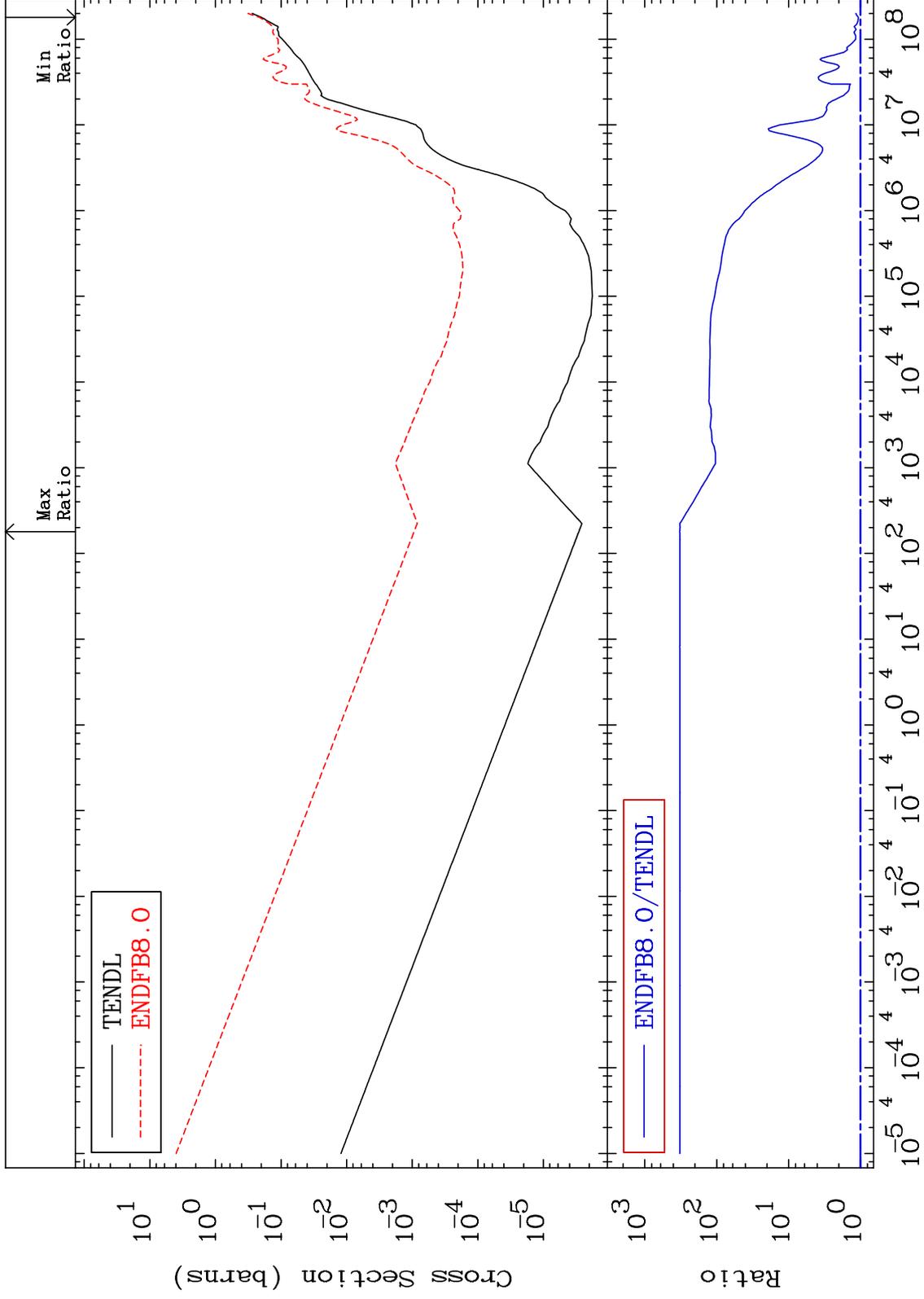
84-Po-208

84-Po-208

MAT 8431

He-4 Production
Cross Section

84-Po-208
6.887 To 9999. %



68

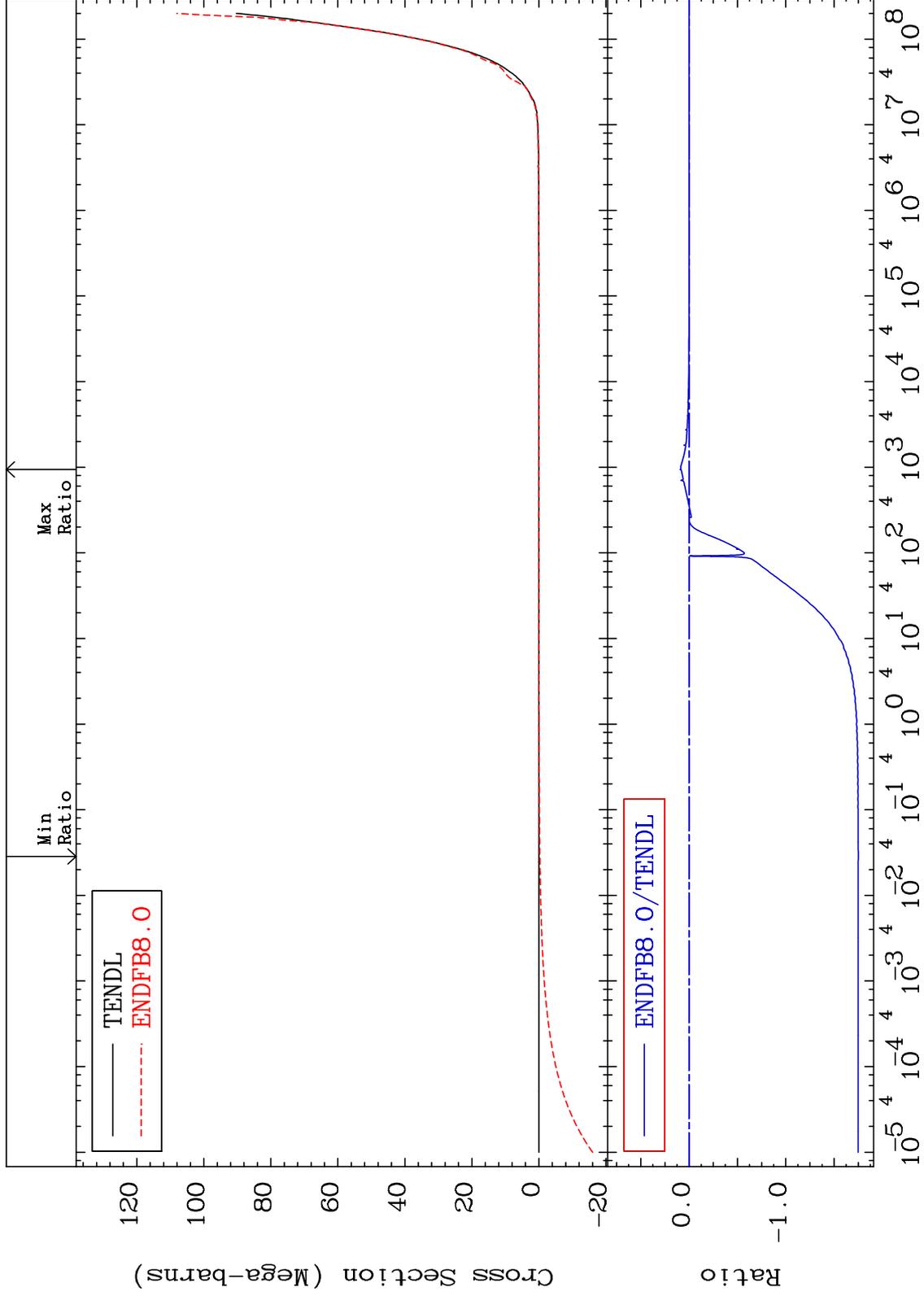
Incident Energy (eV)

84-Po-208

MAT 8431

Kerma total (eV-barns)
Cross Section

84-Po-208
-9999. To 9371. %



69

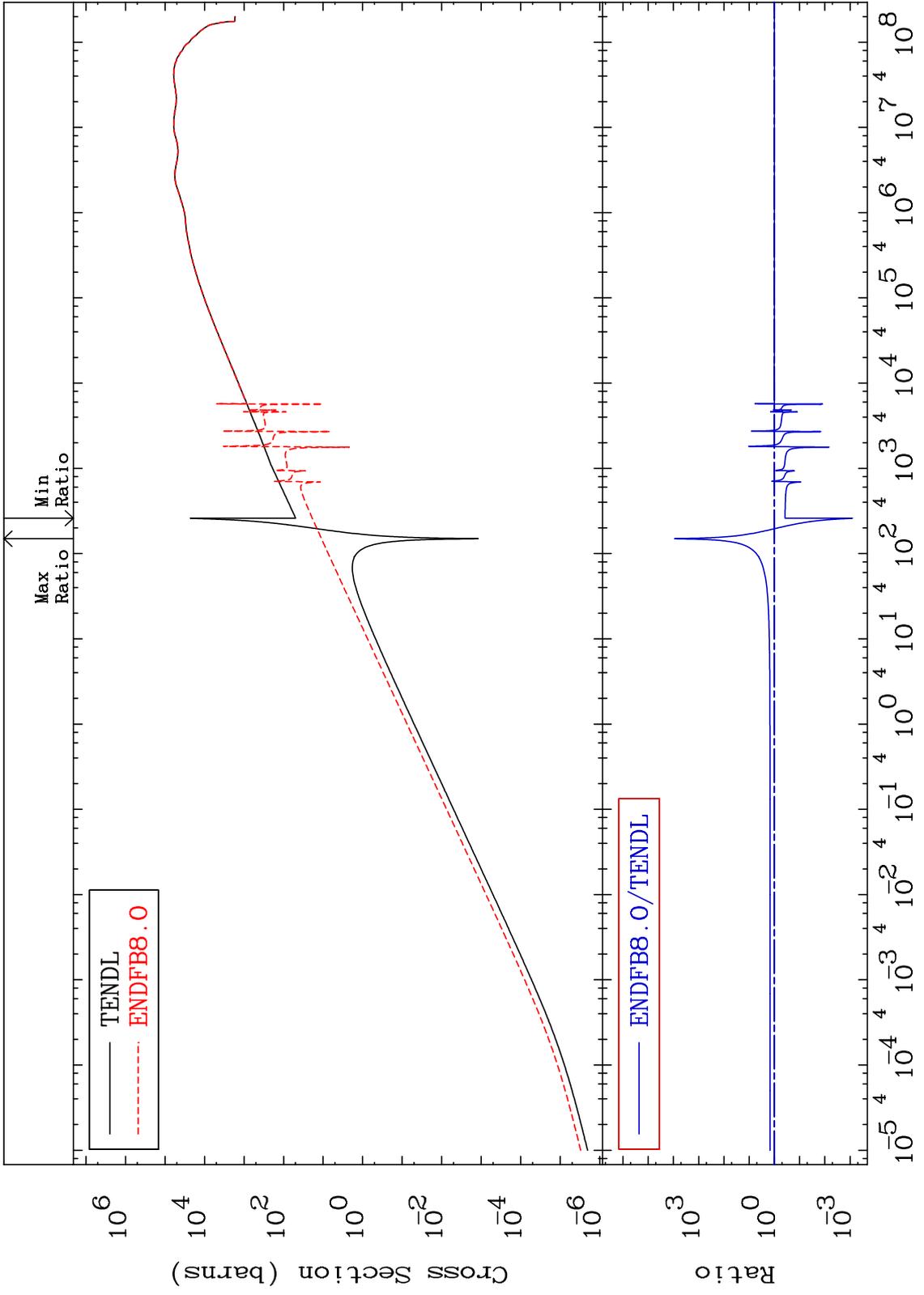
Incident Energy (eV)

84-Po-208

MAT 8431

Kerma elastic
Cross Section

84-Po-208
-99.92 To 9999. %



70

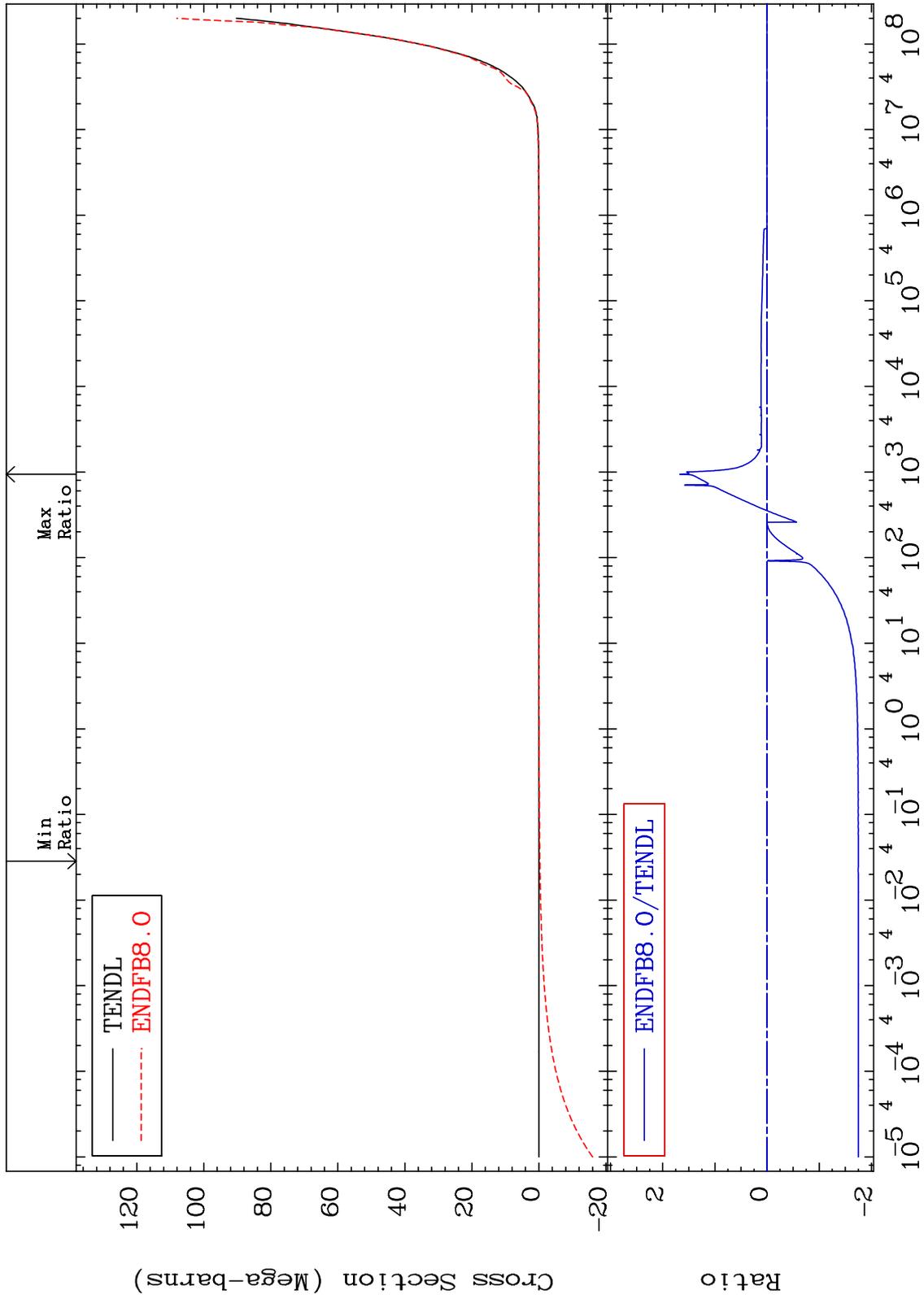
Incident Energy (eV)

84-Po-208

MAT 8431

Kerma non-elastic (all but mt2)
Cross Section

84-Po-208
-9999. To 9999. %



71

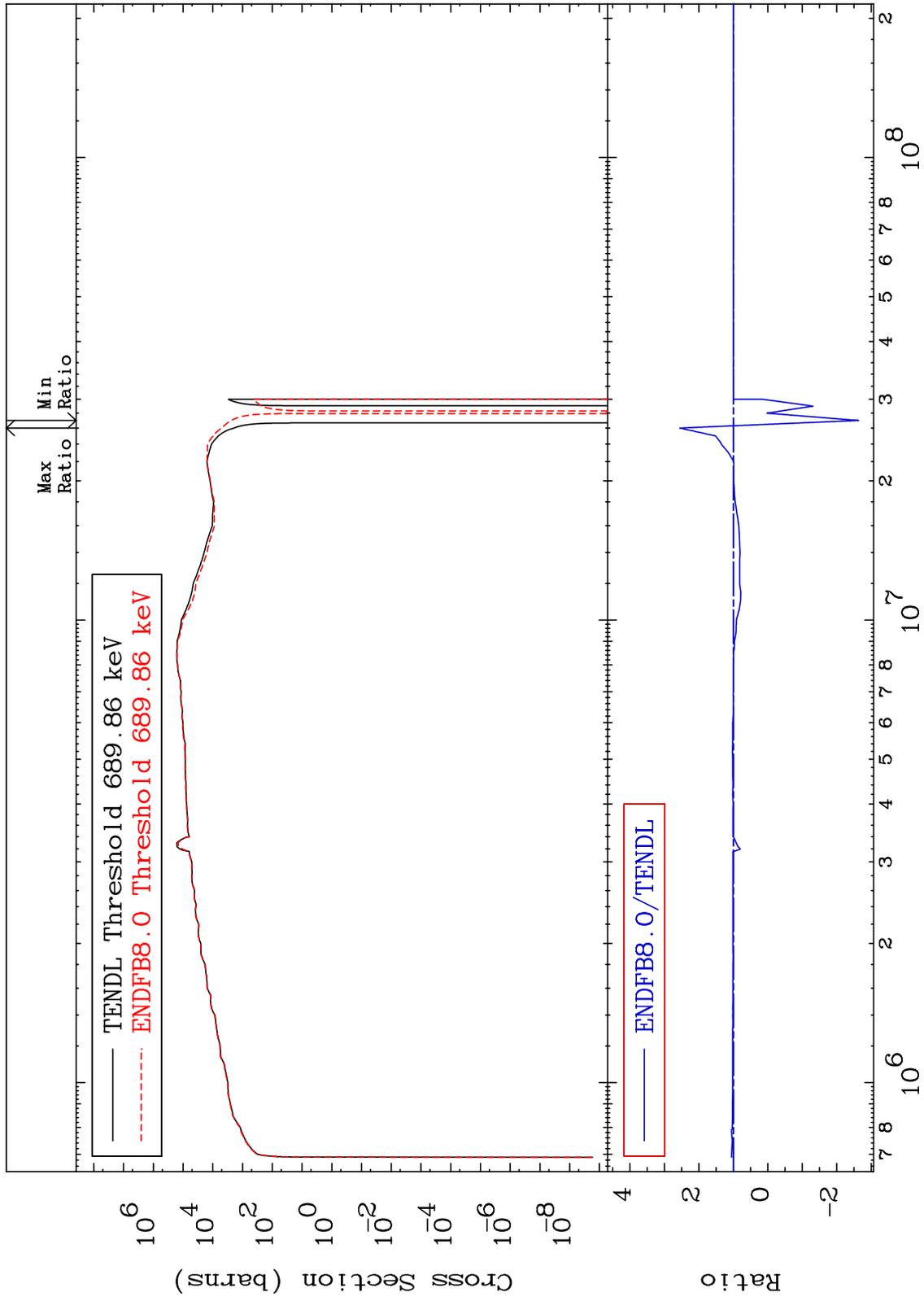
Incident Energy (eV)

84-Po-208

MAT 8431

Kerma inelastic (mt51-91)
Cross Section

84-Po-208
-362.7 To 155.0 %



72

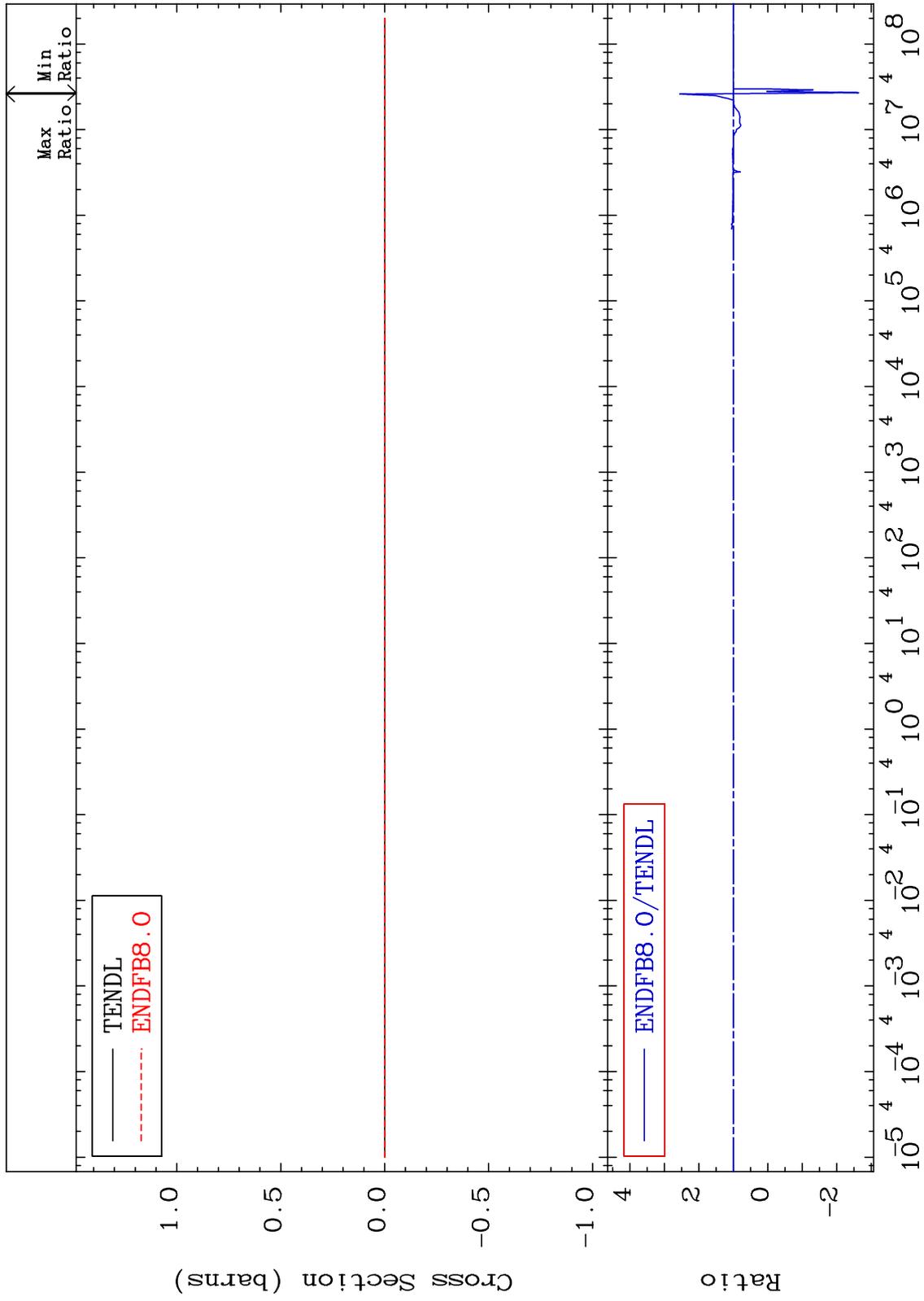
Incident Energy (eV)

84-Po-208

MAT 8431

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

84-Po-208
-362.7 To 155.0 %



73

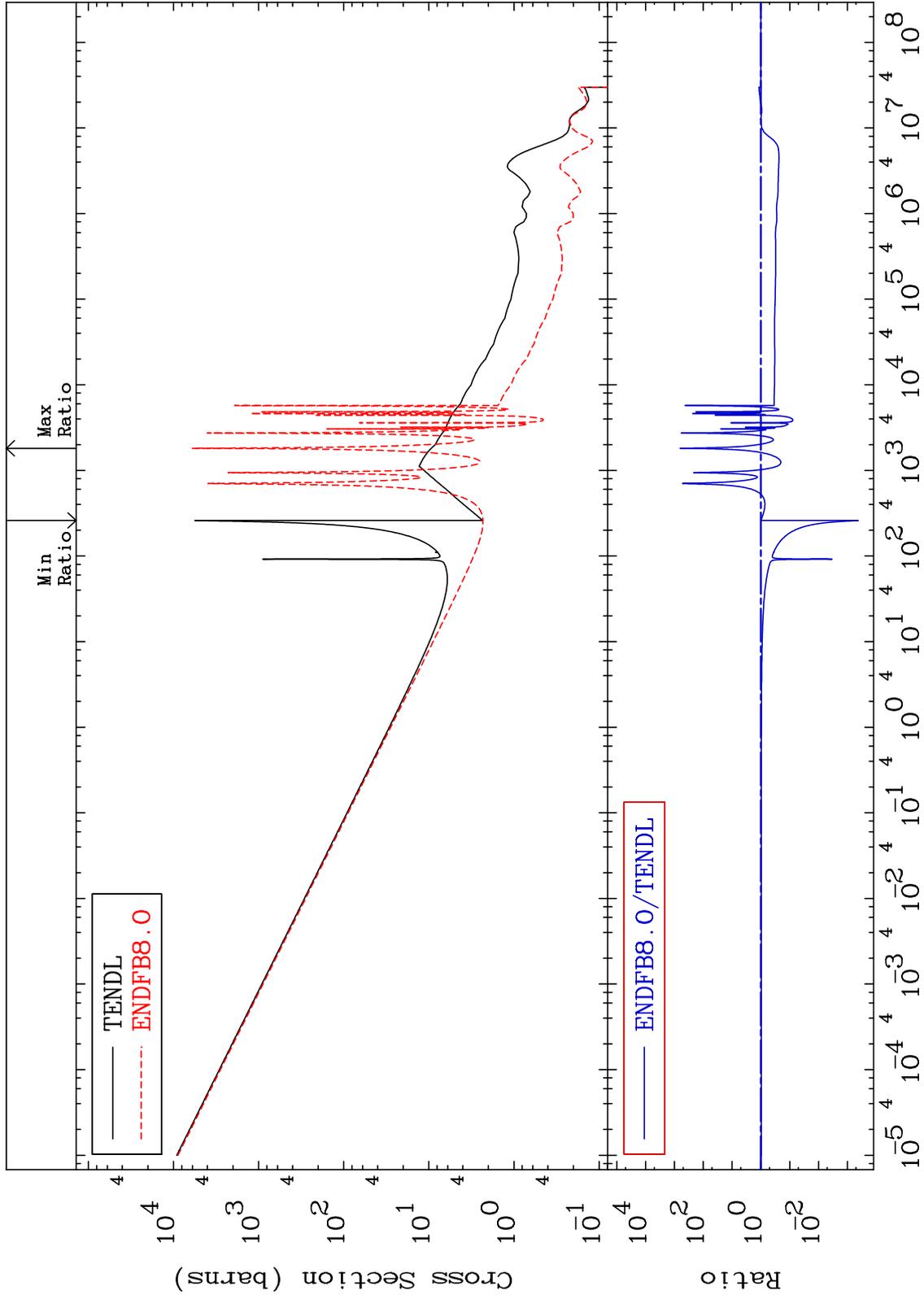
Incident Energy (eV)

84-Po-208

MAT 8431

Kerma capture (mt102)
Cross Section

84-Po-208
-99.96 To 9999. %



74

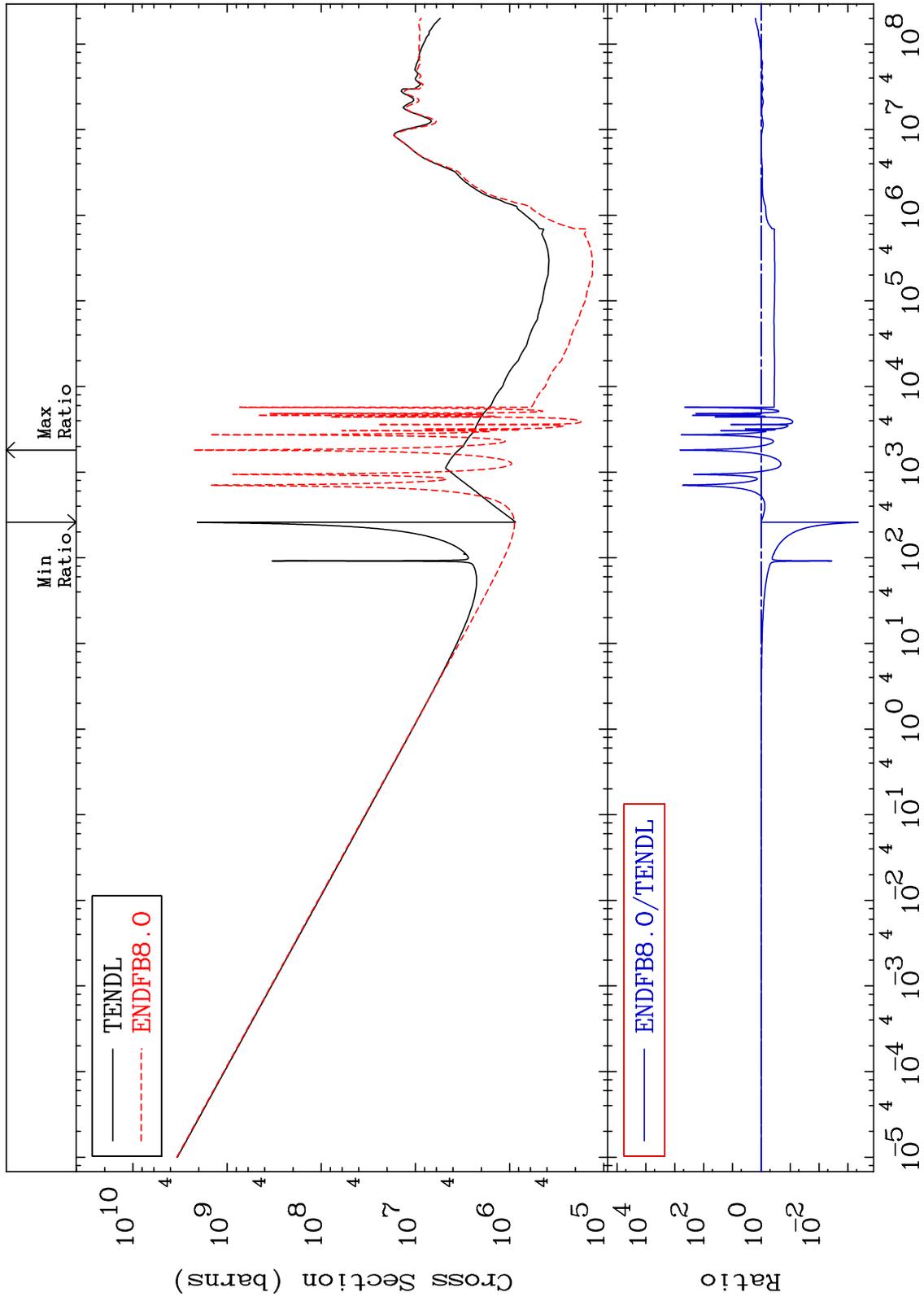
Incident Energy (eV)

84-Po-208

MAT 8431

Total photon (eV-barns)
Cross Section

84-Po-208
-99.96 To 9999. %



75

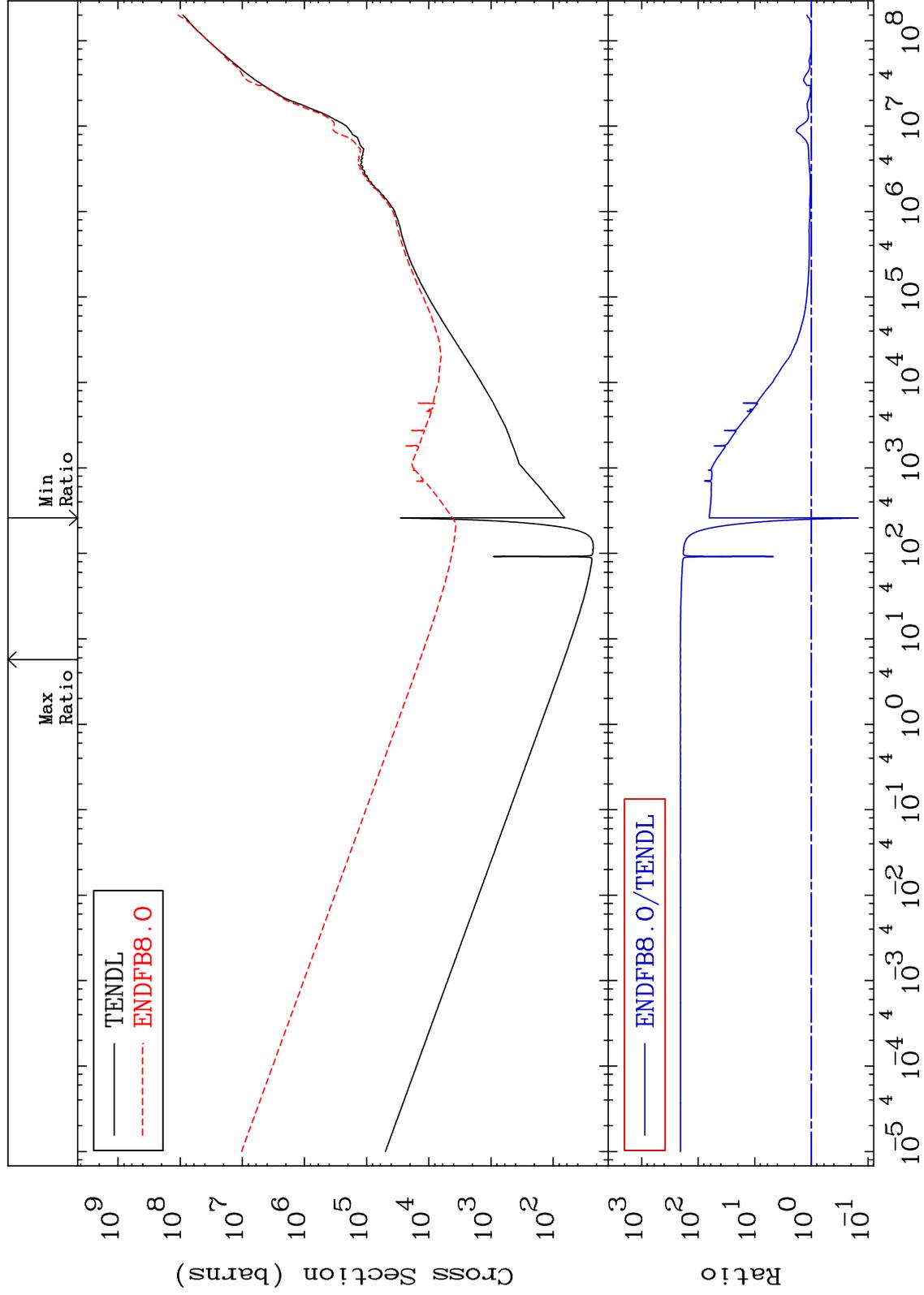
Incident Energy (eV)

84-Po-208

MAT 8431

Total kinematic kerma (high limit)
Cross Section

84-Po-208
-85.28 To 9999. %



76

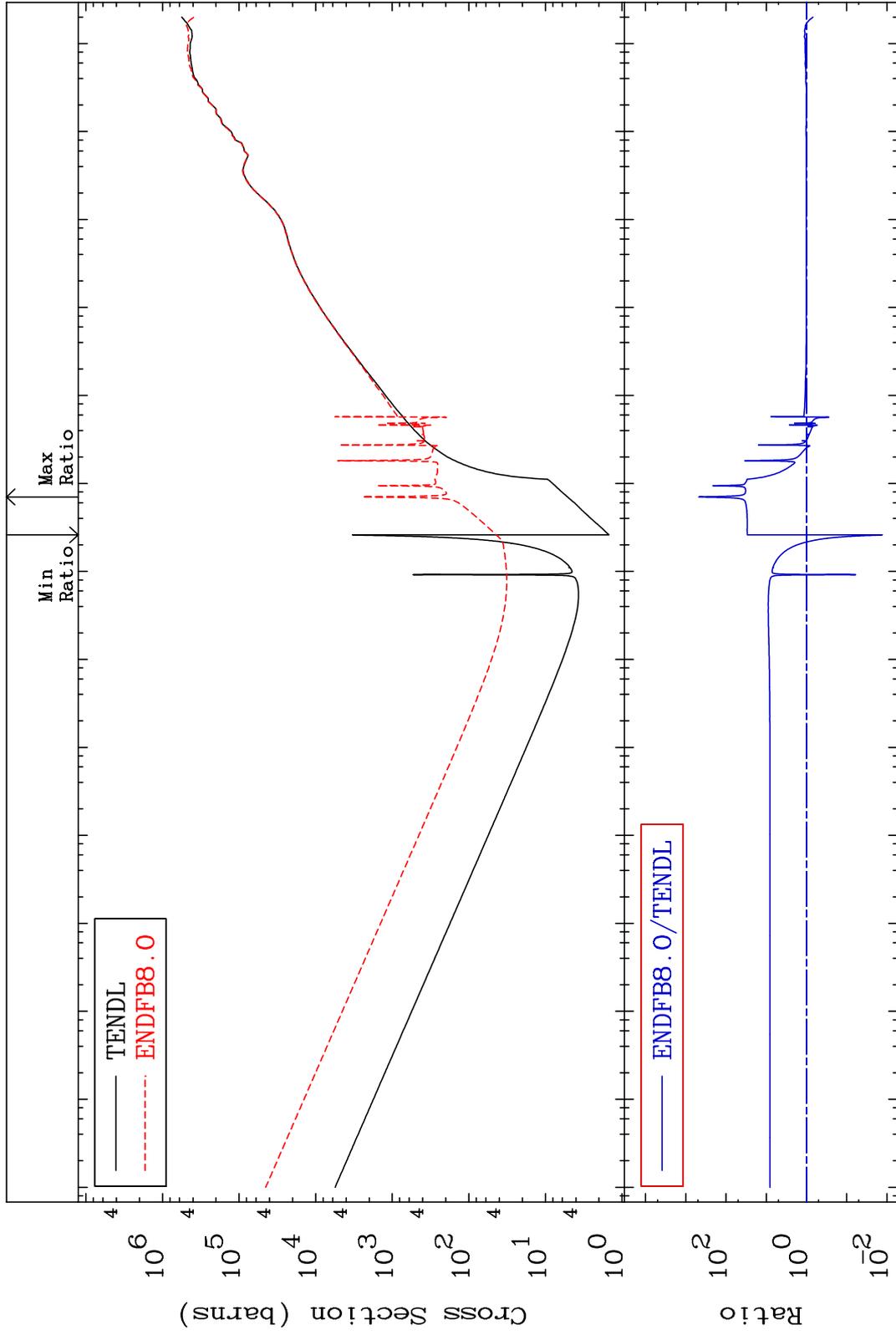
Incident Energy (eV)

84-Po-208

MAT 8431

Dpa total (eV-barns)
Cross Section

84-Po-208
-98.68 To 9999. %



77

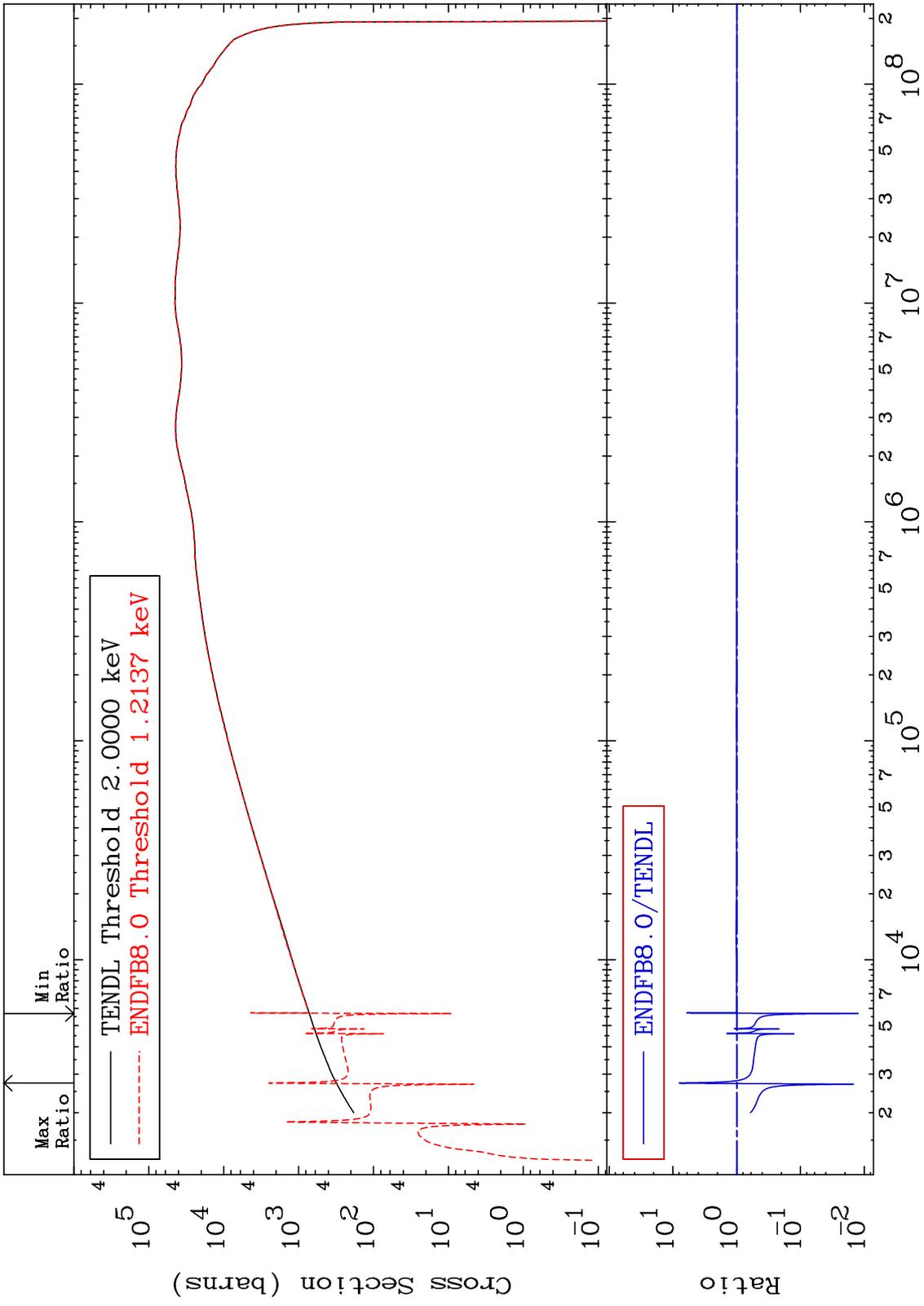
Incident Energy (eV)

84-Po-208

MAT 8431

Dpa elastic (mt2)
Cross Section

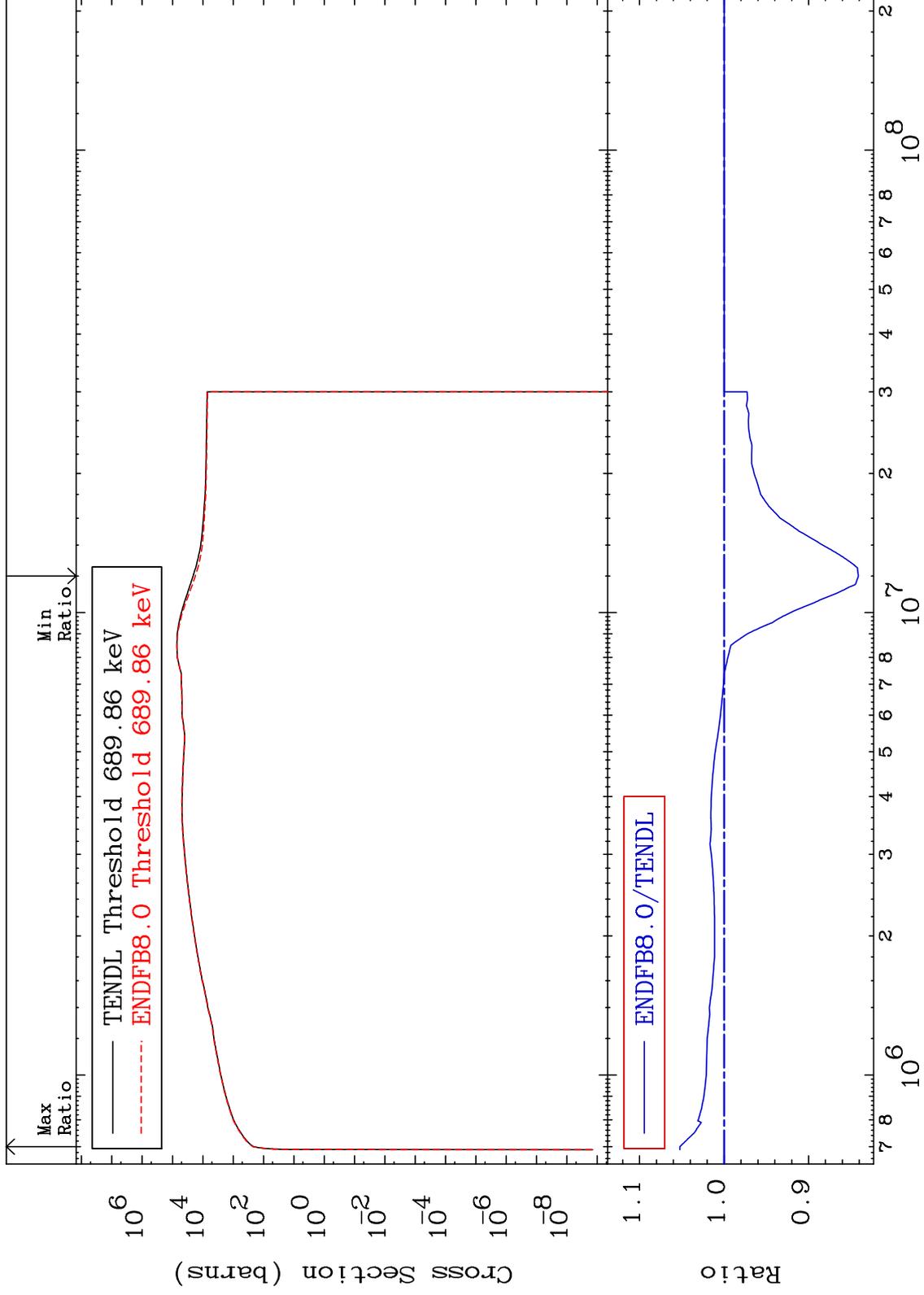
84-Po-208
-98.75 To 694.7 %



MAT 8431

Dpa inelastic (mt51-91)
Cross Section

84-Po-208
-15.89 To 5.222 %



79

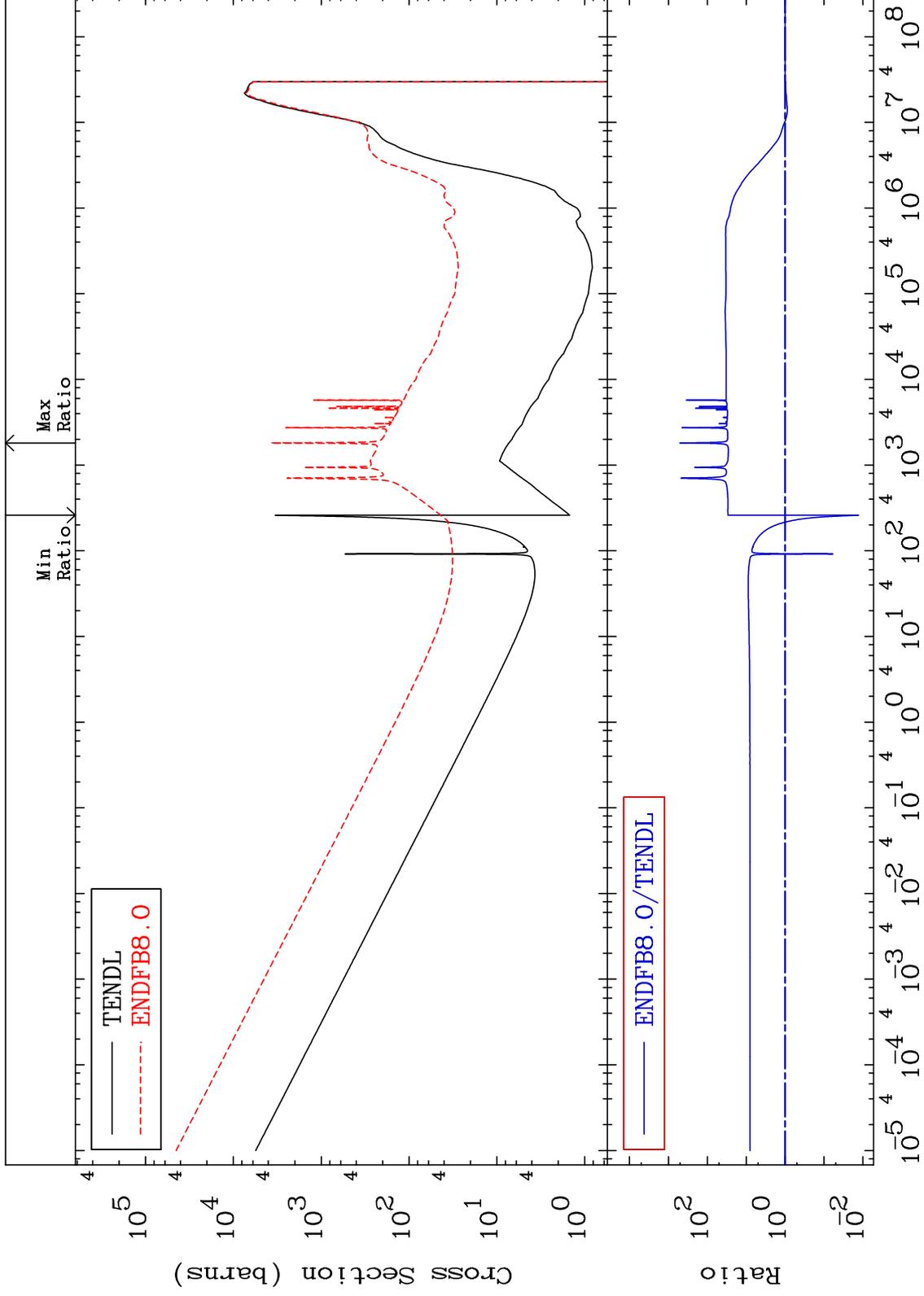
Incident Energy (eV)

84-Po-208

MAT 8431

Dpa disappearance (mt102 -120)
Cross Section

84-Po-208
-98.68 To 9999. %

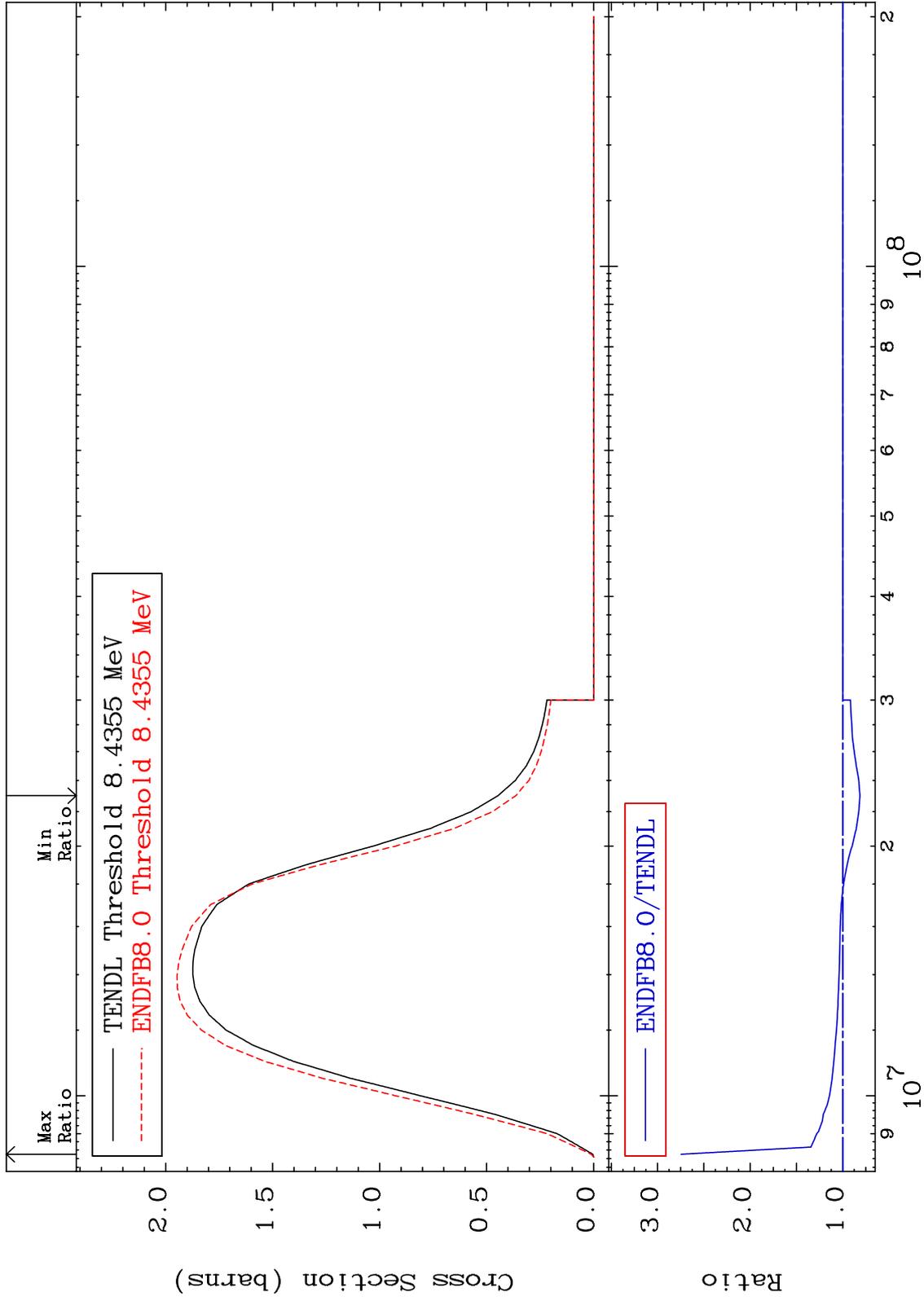


MAT 8431

(n,2n):84-Po-207g

84-Po-208

Radionuclide Production Cross Section -18.58 To 174.5 %



81

Incident Energy (eV)

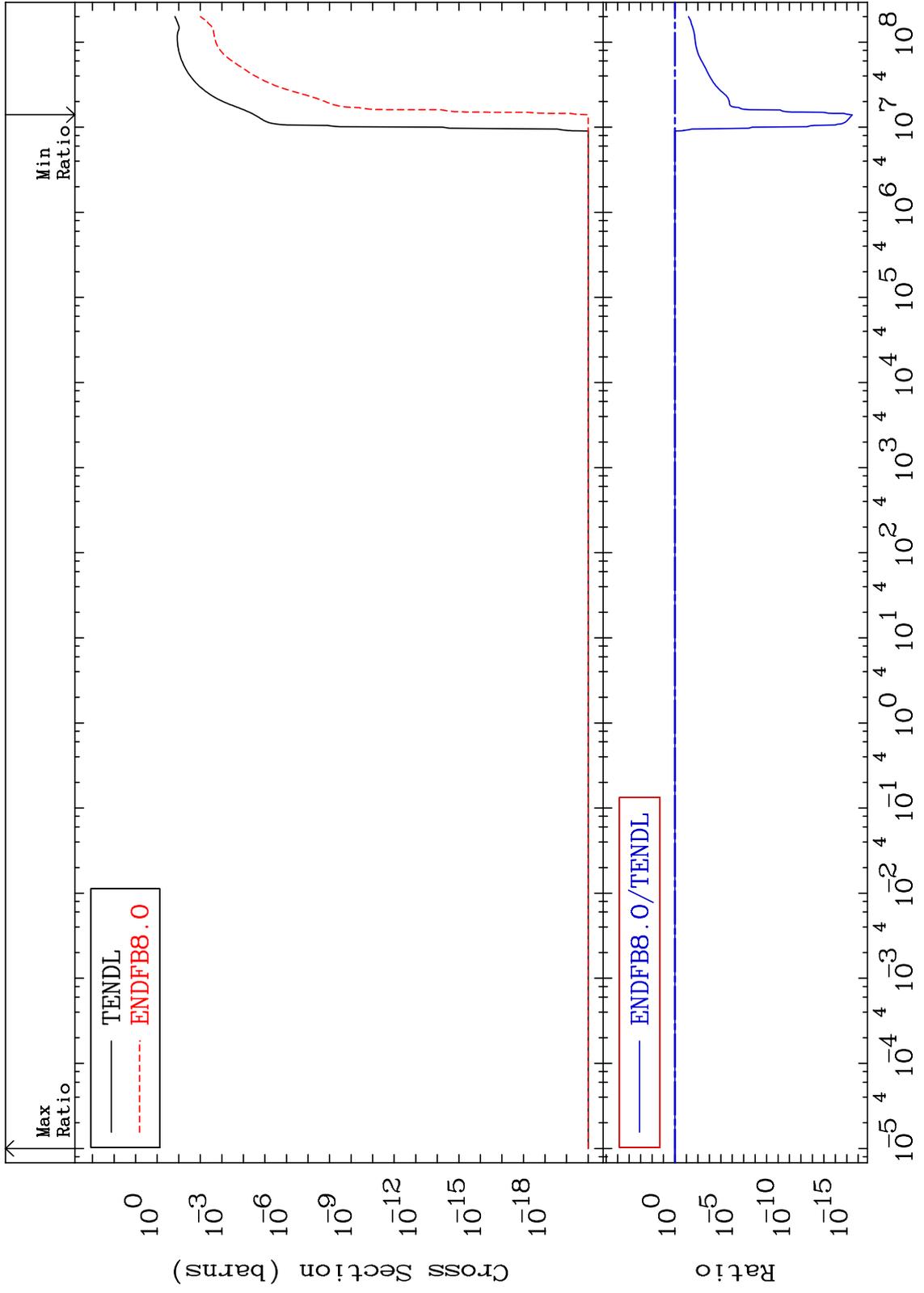
84-Po-208

MAT 8431

Fission: 0-??-Nat

84-Po-208

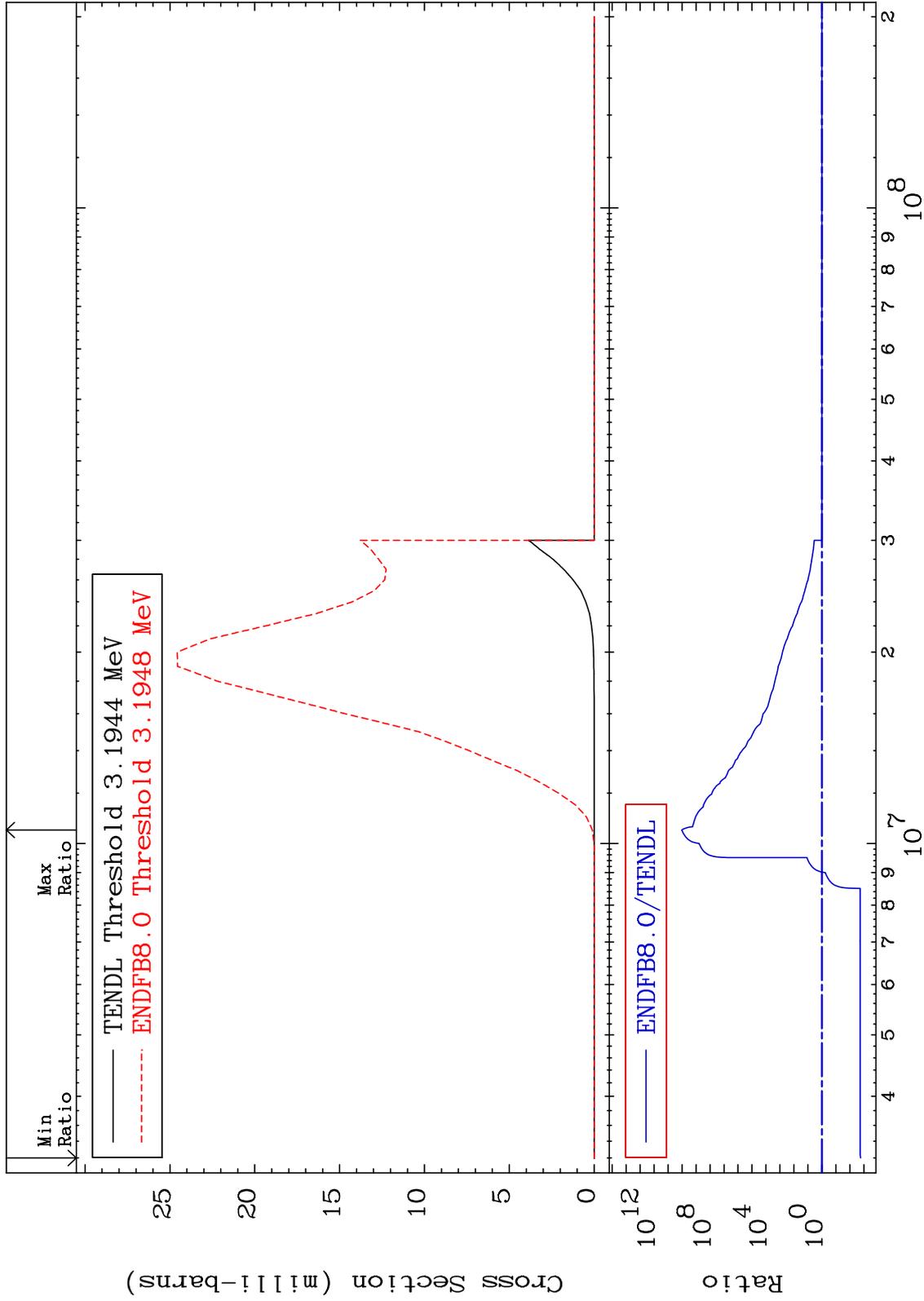
Radionuclide Production Cross Section -100.0 To 0.000 %



82

Incident Energy (eV)

84-Po-208

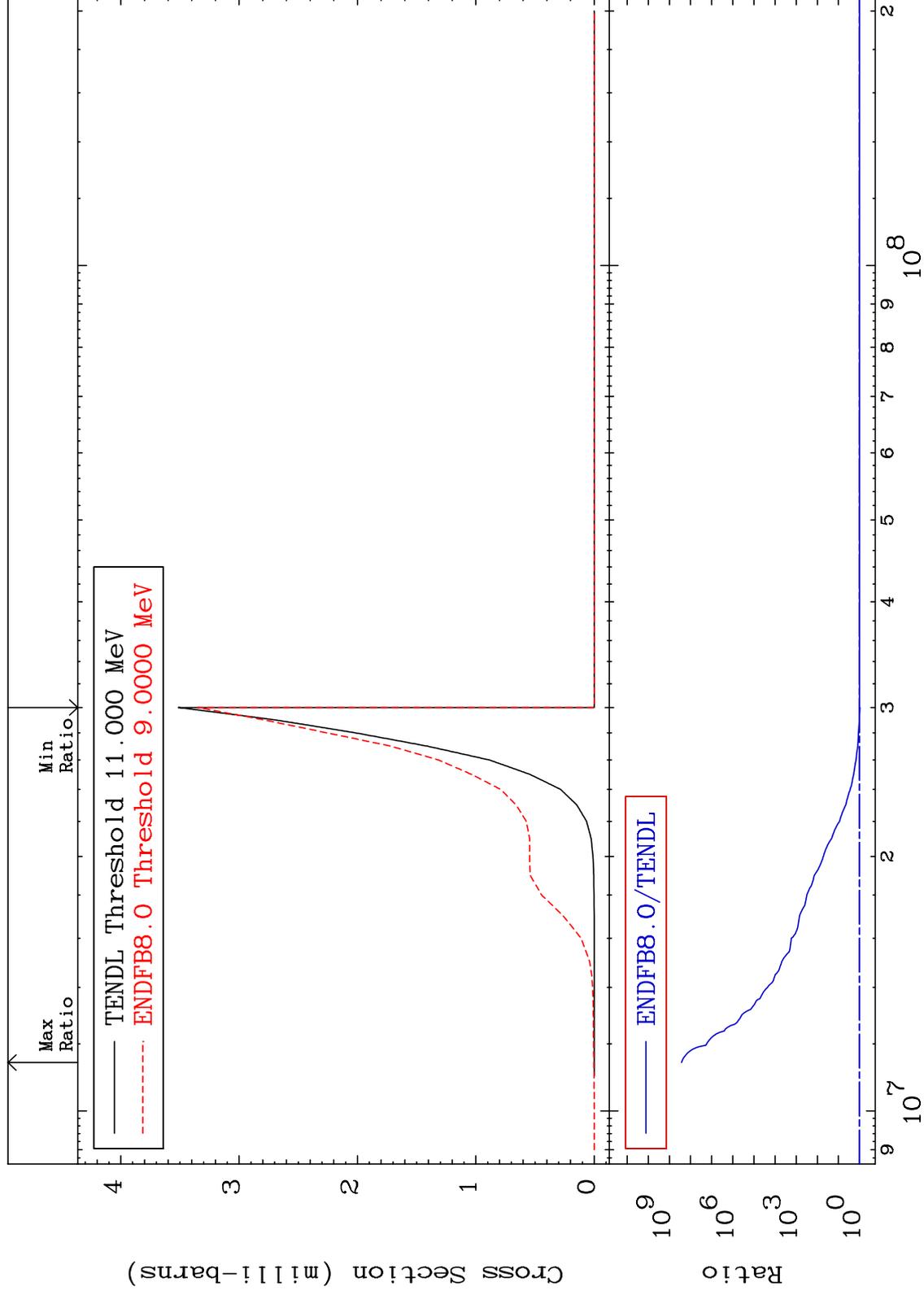


MAT 8431

(n,2n) α : 82-Pb-203m6

84-Po-208

Radionuclide Production Cross Section -4.654 To 9999. %



84

Incident Energy (eV)

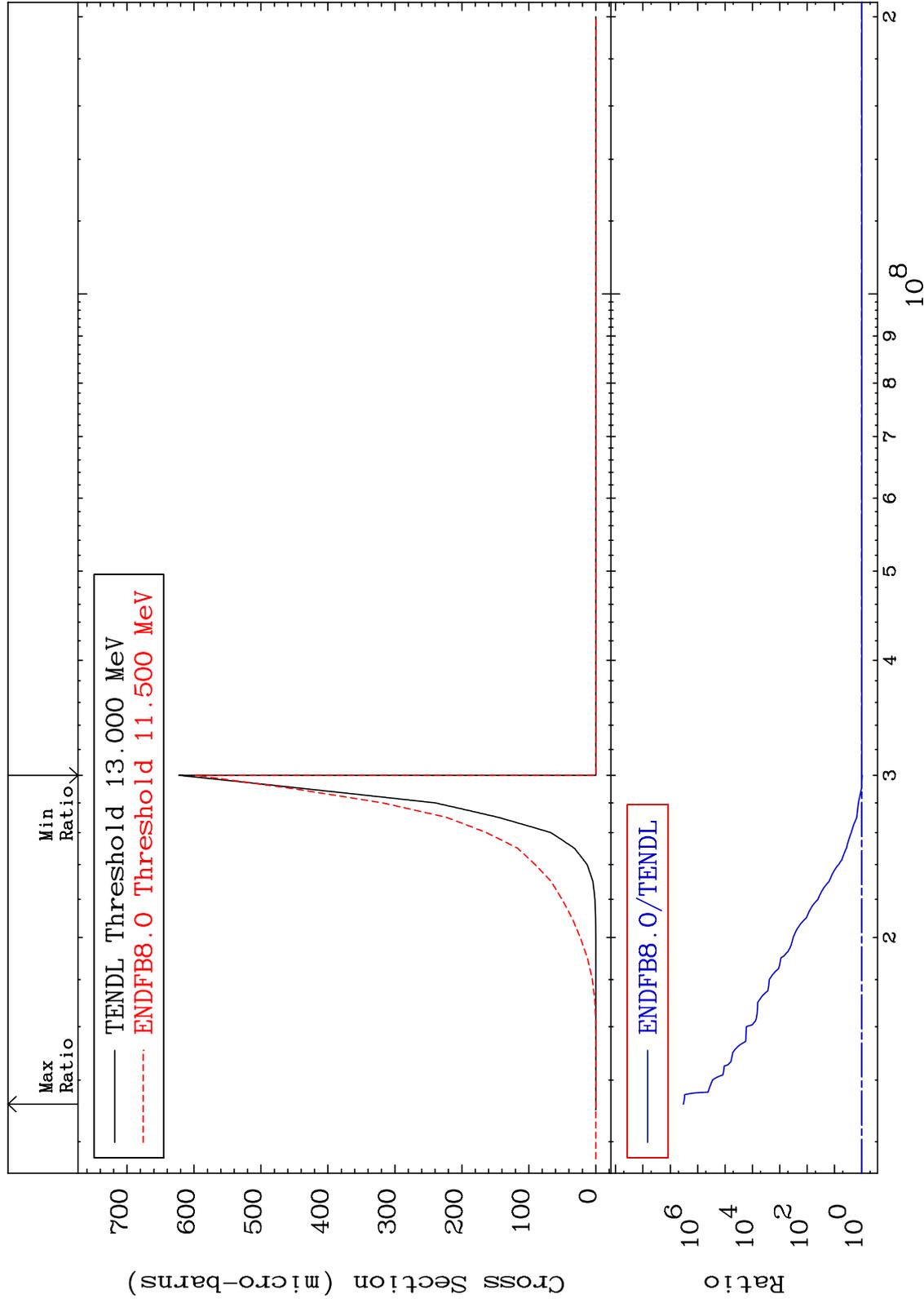
84-Po-208

MAT 8431

(n,2n) α :82-Pb-203m10

84-Po-208

Radionuclide Production Cross Section -3.972 To 9999. %

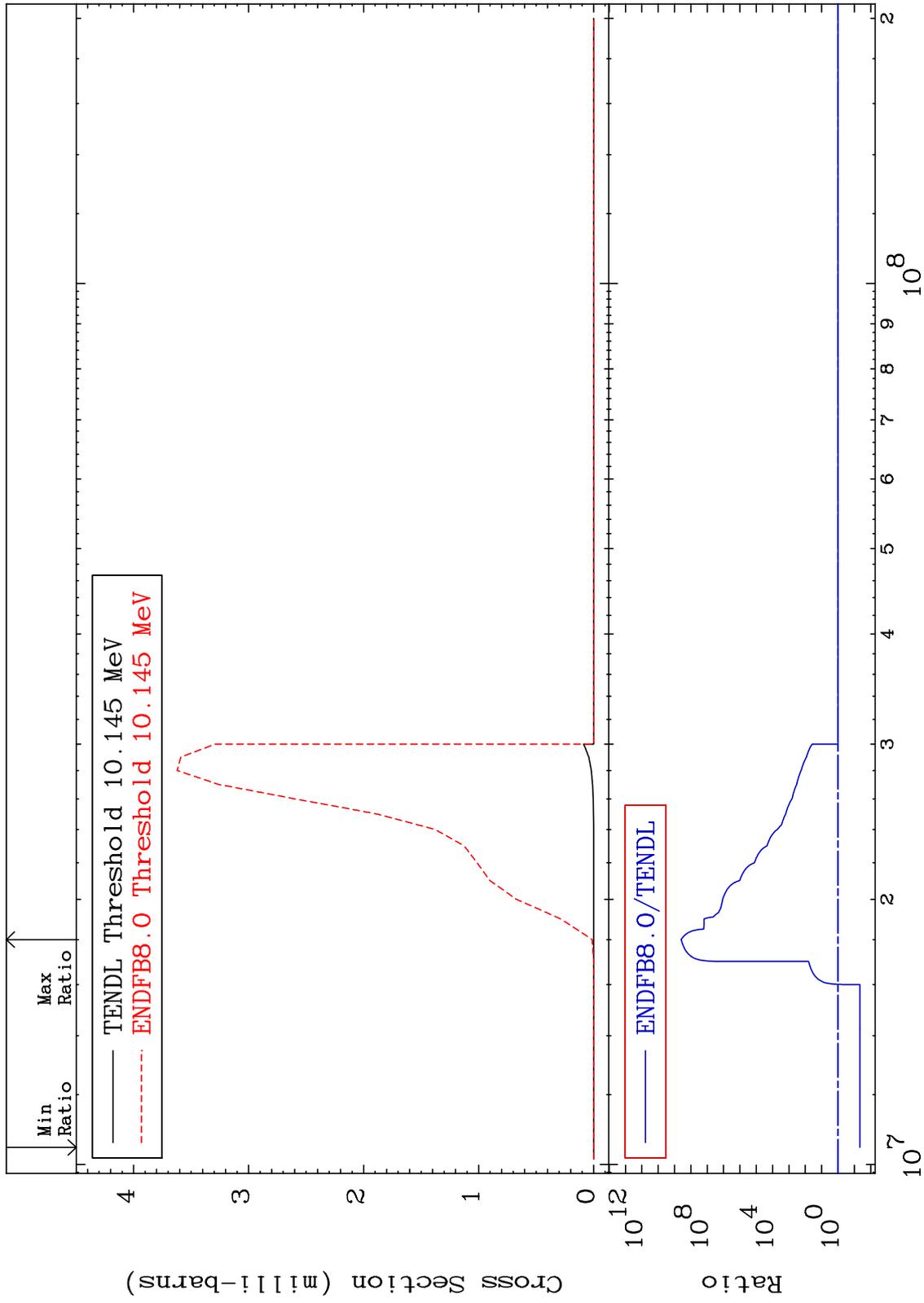


MAT 8431

(n,3n) α :82-Pb-202g

84-Po-208

Radionuclide Production Cross Section -95.42 To 9999. %



86

84-Po-208

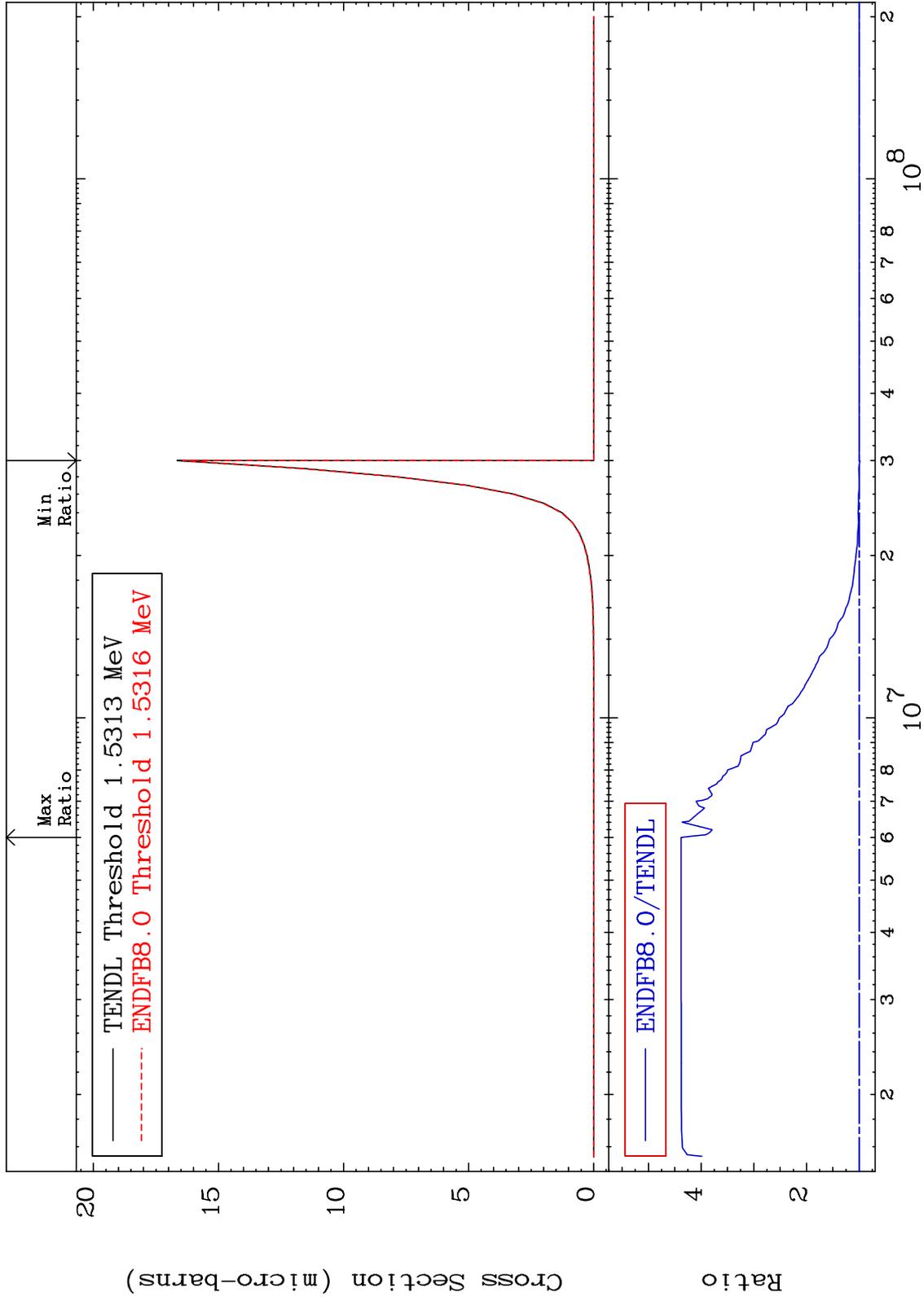
84-Po-208

MAT 8431

(n,2p):82-Pb-207g

84-Po-208

Radionuclide Production Cross Section -1.400 To 337.9 %



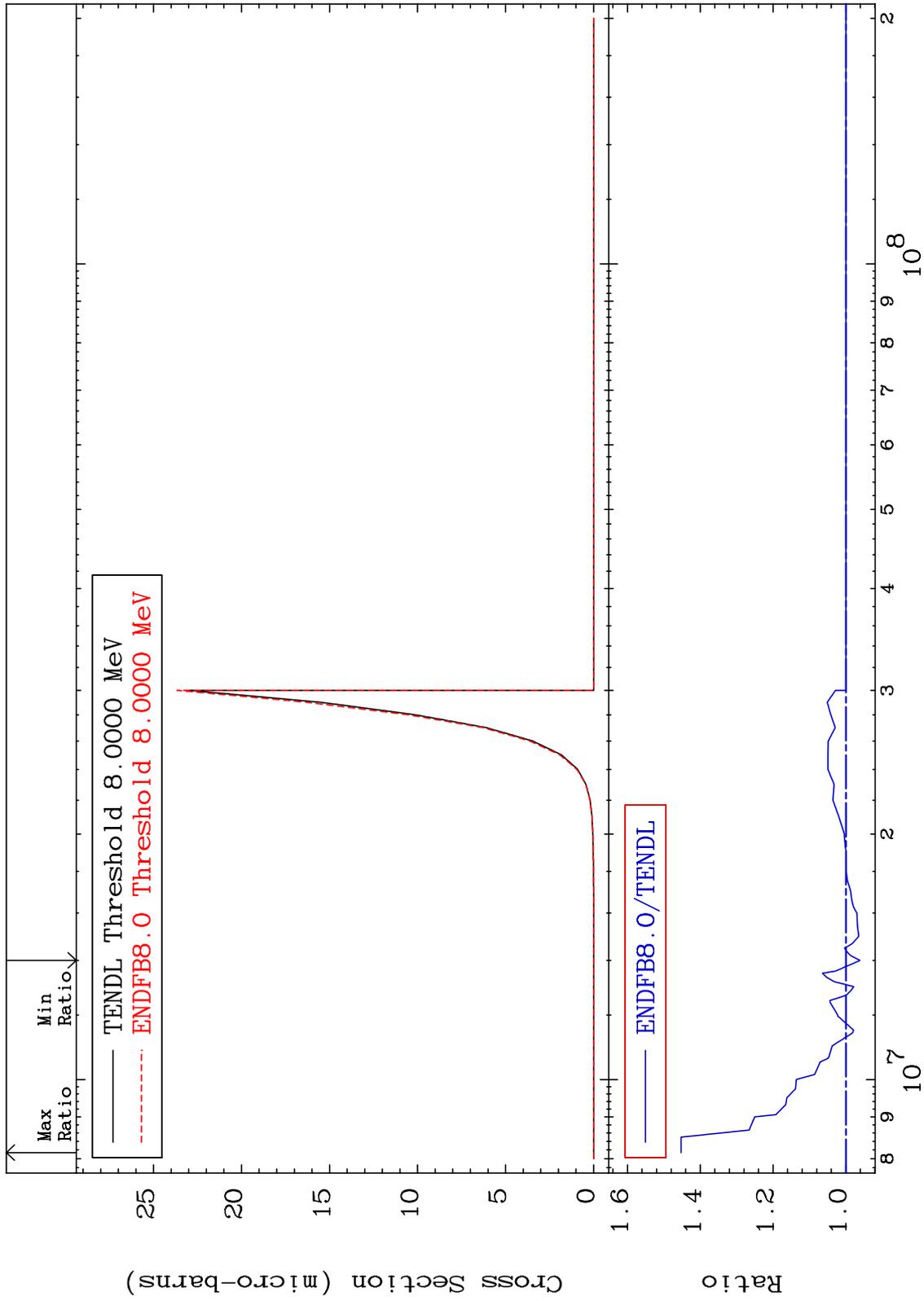
MAT 8431

(n,2p):82-Pb-207m3

84-Po-208

Radionuclide Production Cross Section

-3.870 To 45.26 %



88

Incident Energy (eV)

84-Po-208