

Program Complot
(Version 2018-1)

by

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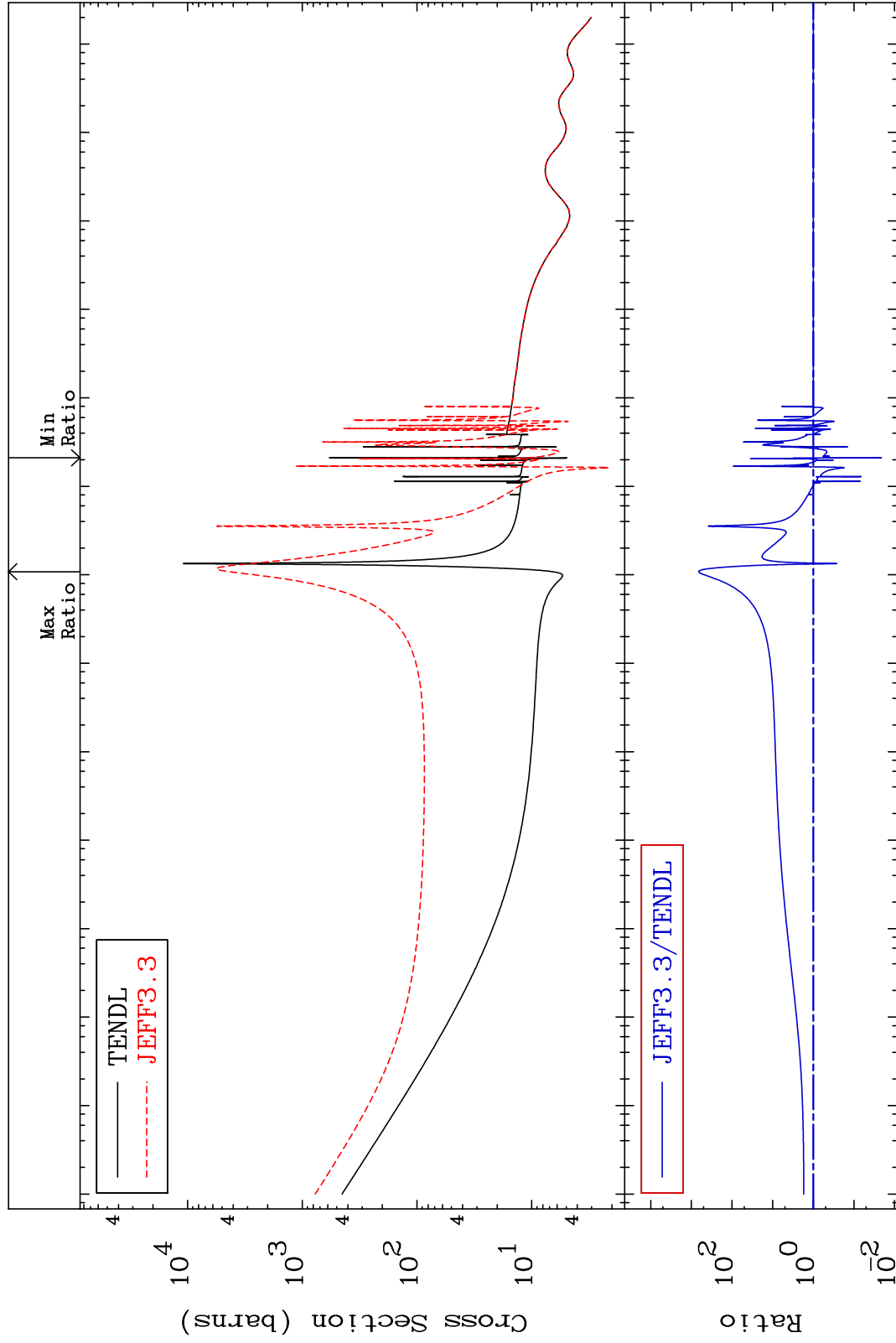
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8434

Total
Cross Section

84-Po-209
-97.91 To 9999. %



Incident Energy (eV)

84-Po-209

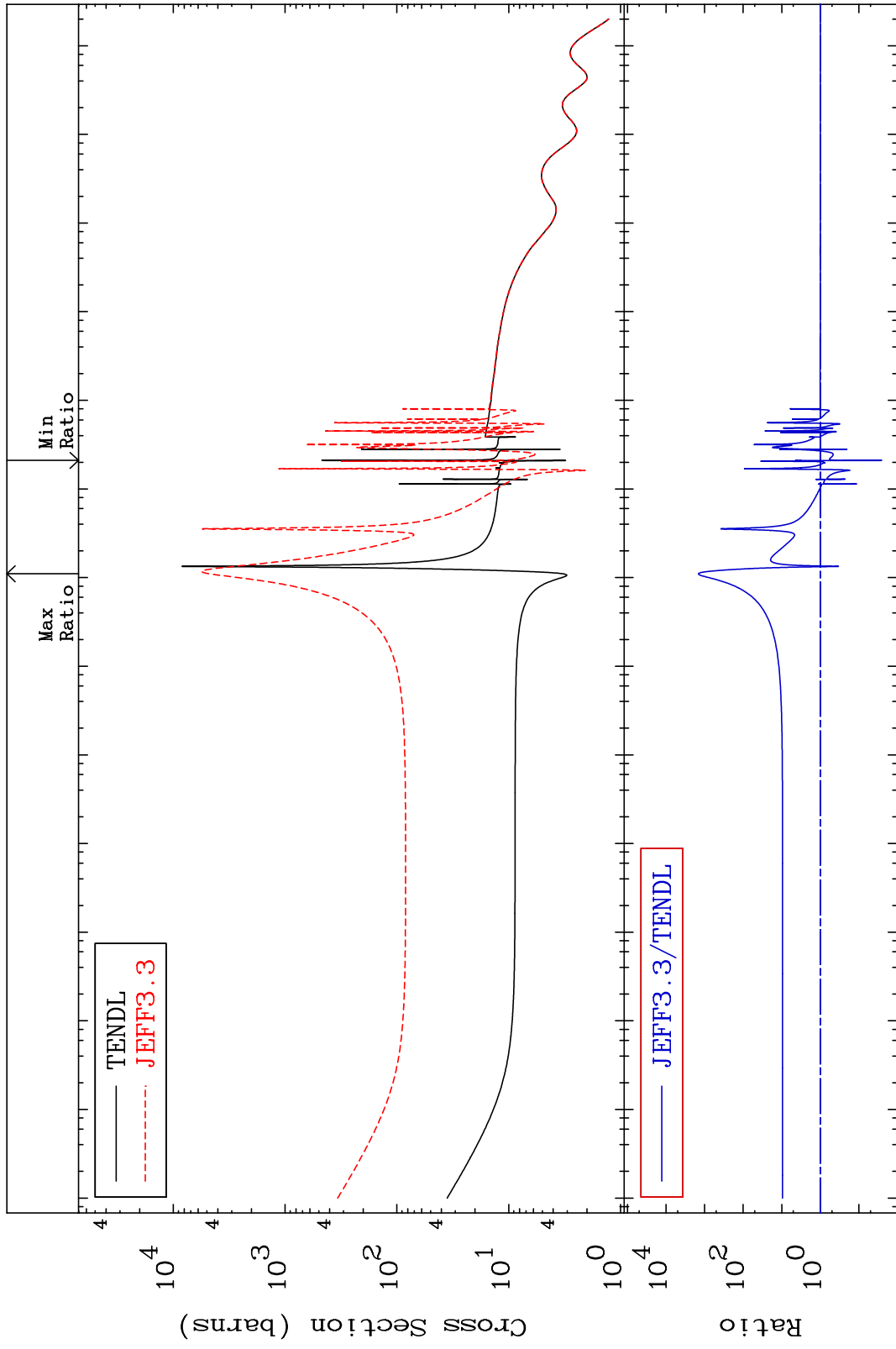
MAT 8434

Elastic

84-Po-209

-97.42 To 9999. %

Cross Section

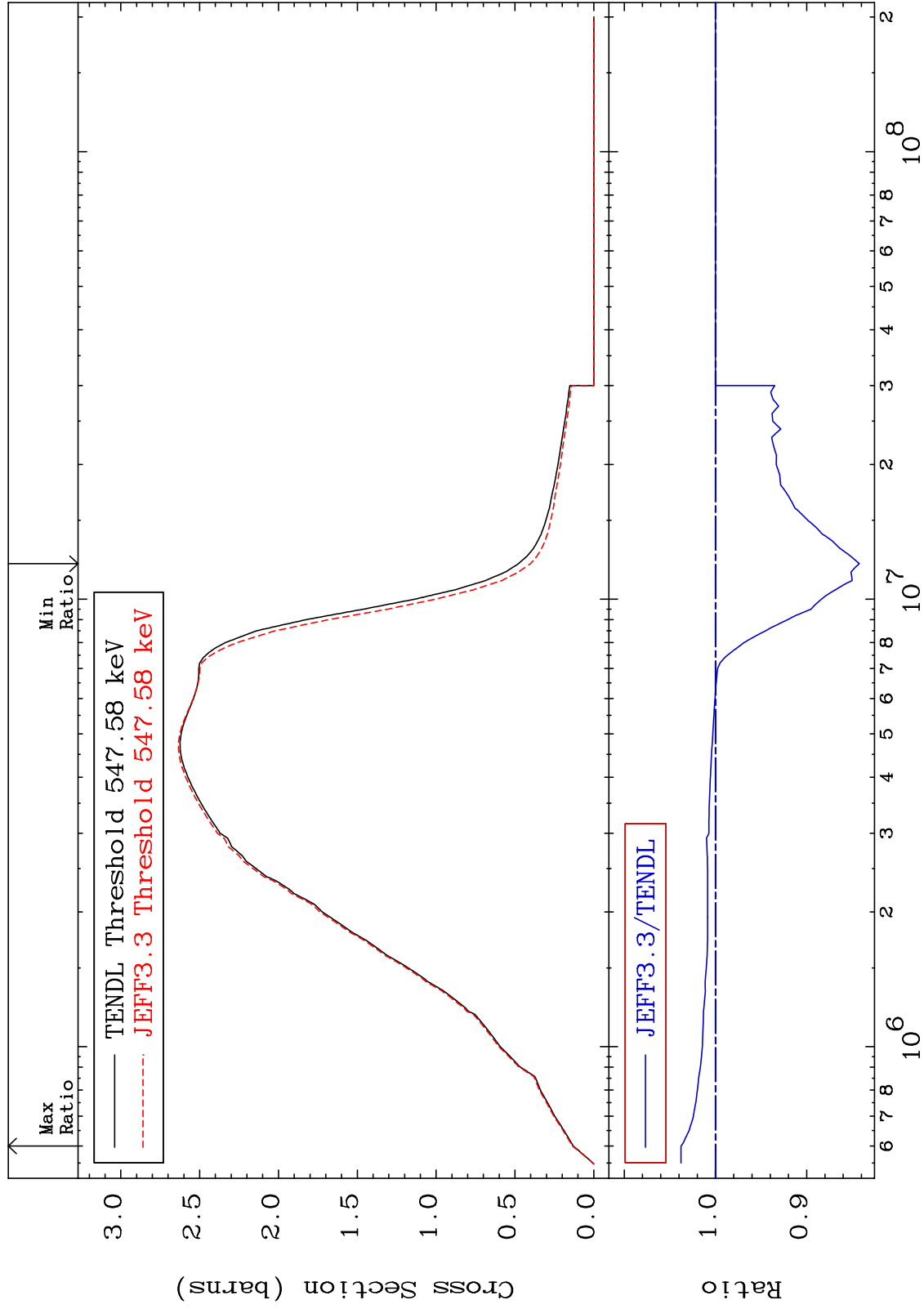


MAT 8434

Inelastic
Cross Section

84-Po-209

-15.76 To 3.774 %



3

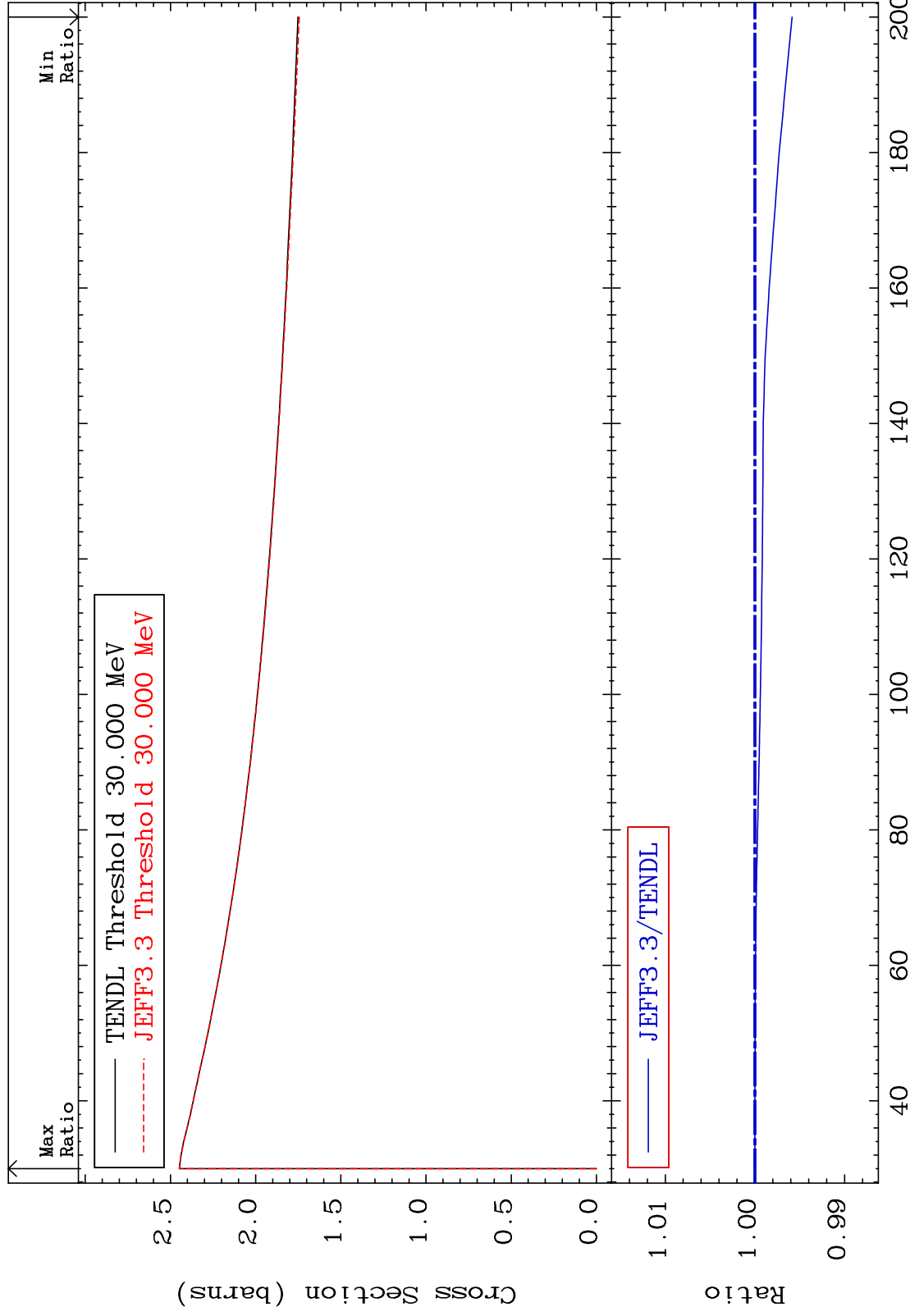
Incident Energy (eV)

84-Po-209

MAT 8434

(n, remainder)
Cross Section

84-Po-209
-0.415 To 0.000 %



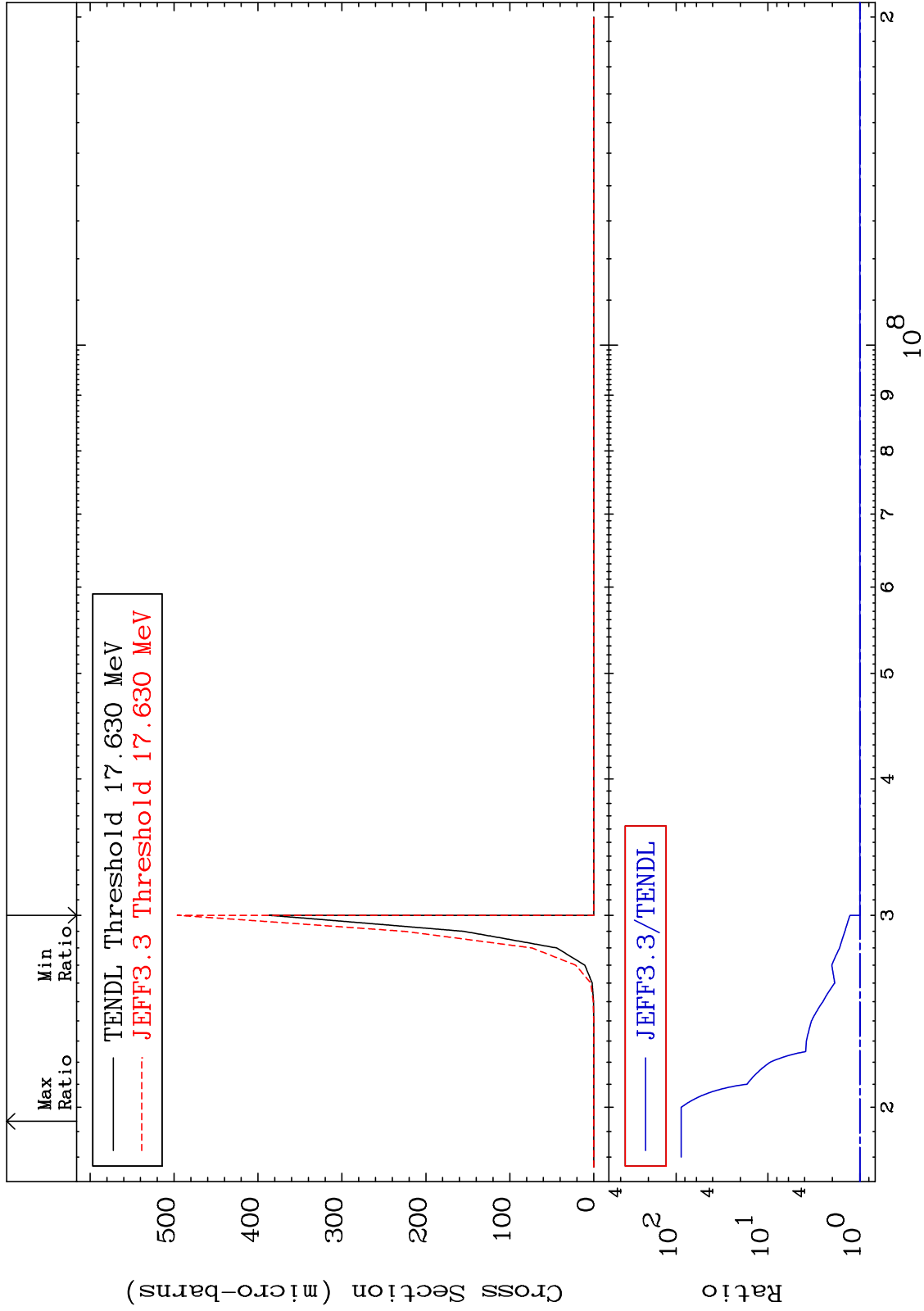
MAT 8434

(n,2n) d

84-Po-209

Cross Section

0.000 To 8680. %



Incident Energy (eV)

84-Po-209

5

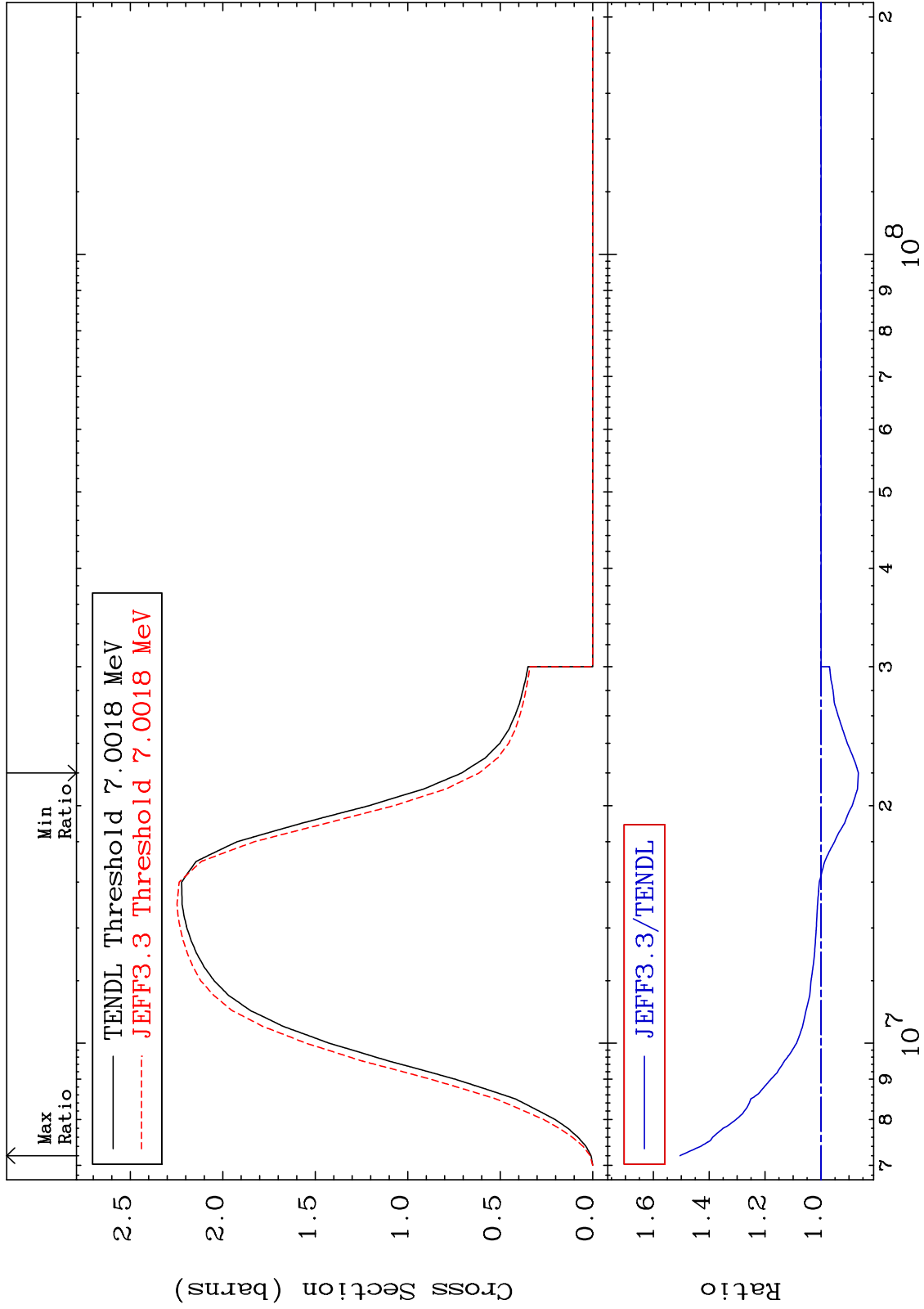
MAT 8434

(n,2n)

84-Po-209

Cross Section

-13.38 To 50.44 %



6

Incident Energy (eV)

84-Po-209

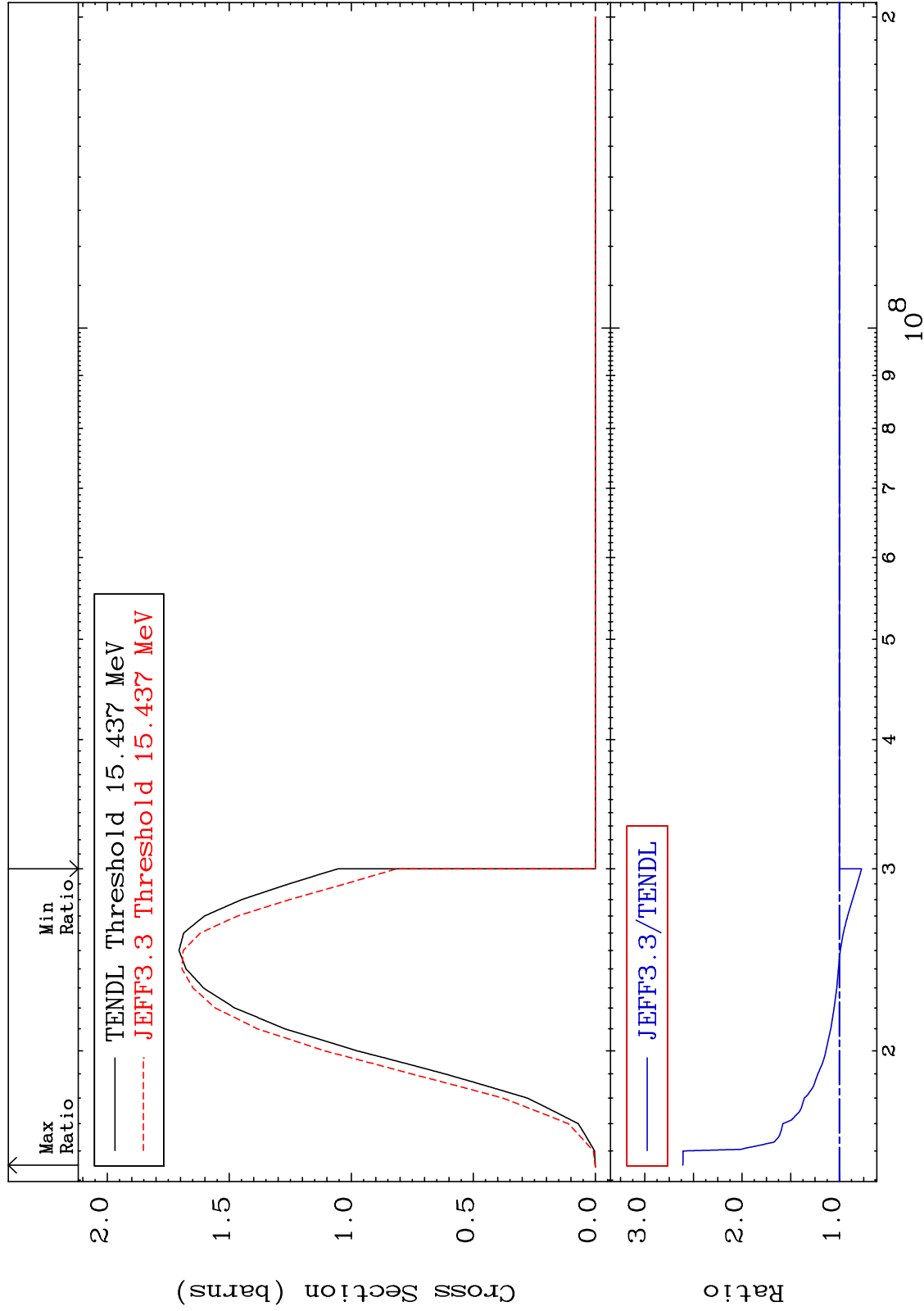
MAT 8434

(n, 3n)

84-Po-209

Cross Section

-22.85 To 160.9 %



MAT 8434

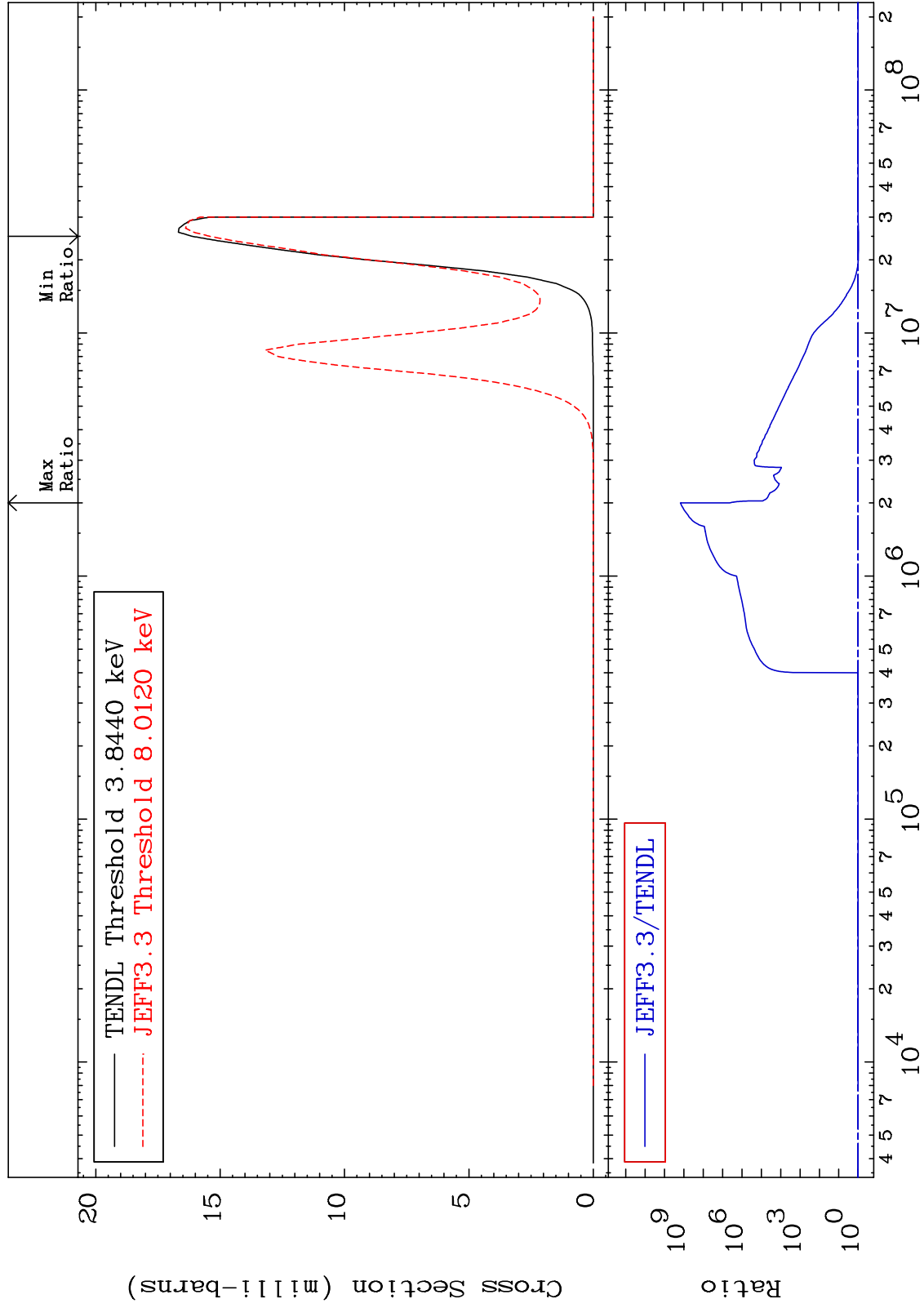
(n, n') α

84-Po-209

Cross Section

Cross Section

-4.427 To 9999. %



8

Incident Energy (eV)

84-Po-209

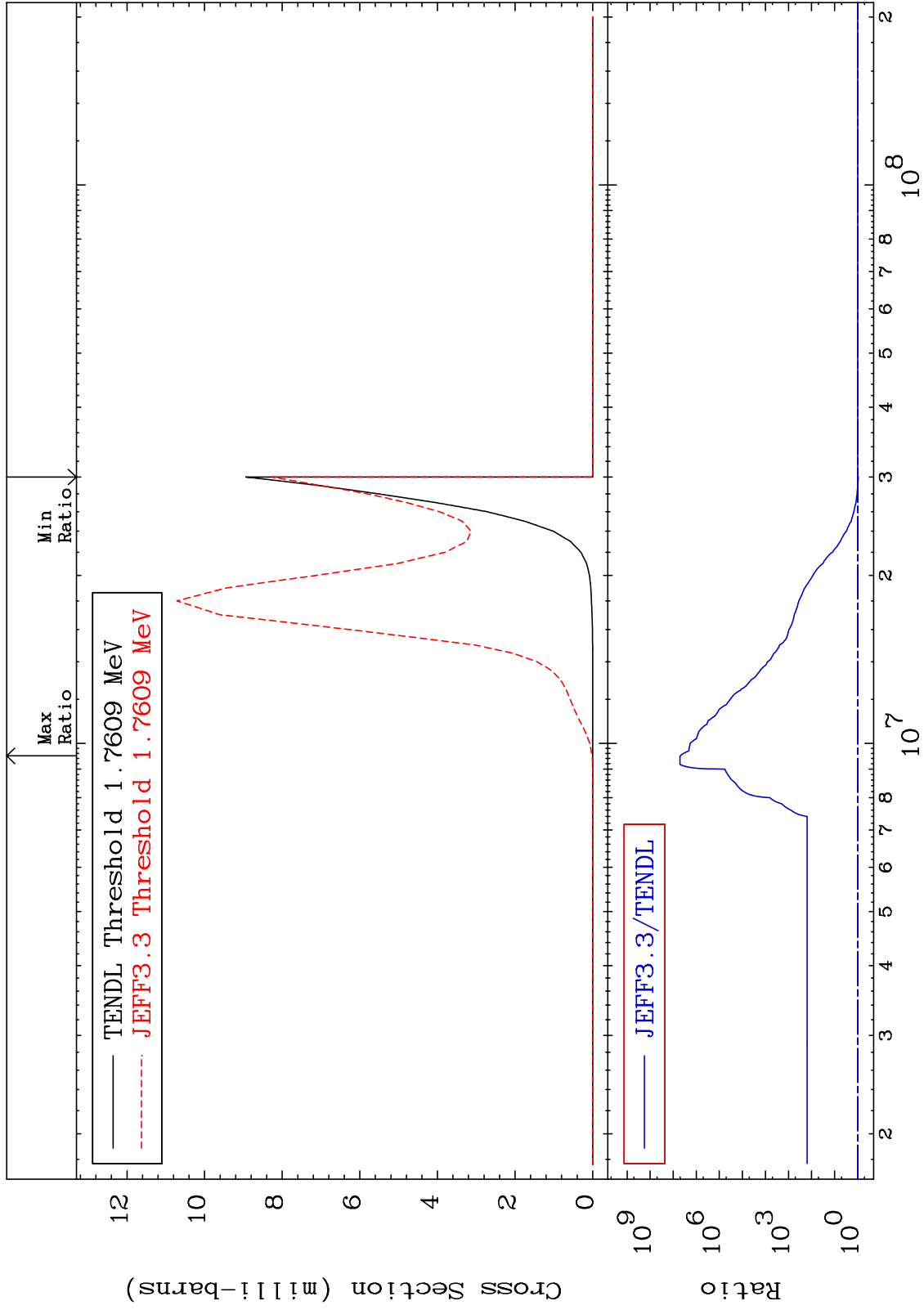
MAT 8434

(n,2n) α

84-Po-209

-7.538 To 9999. %

Cross Section



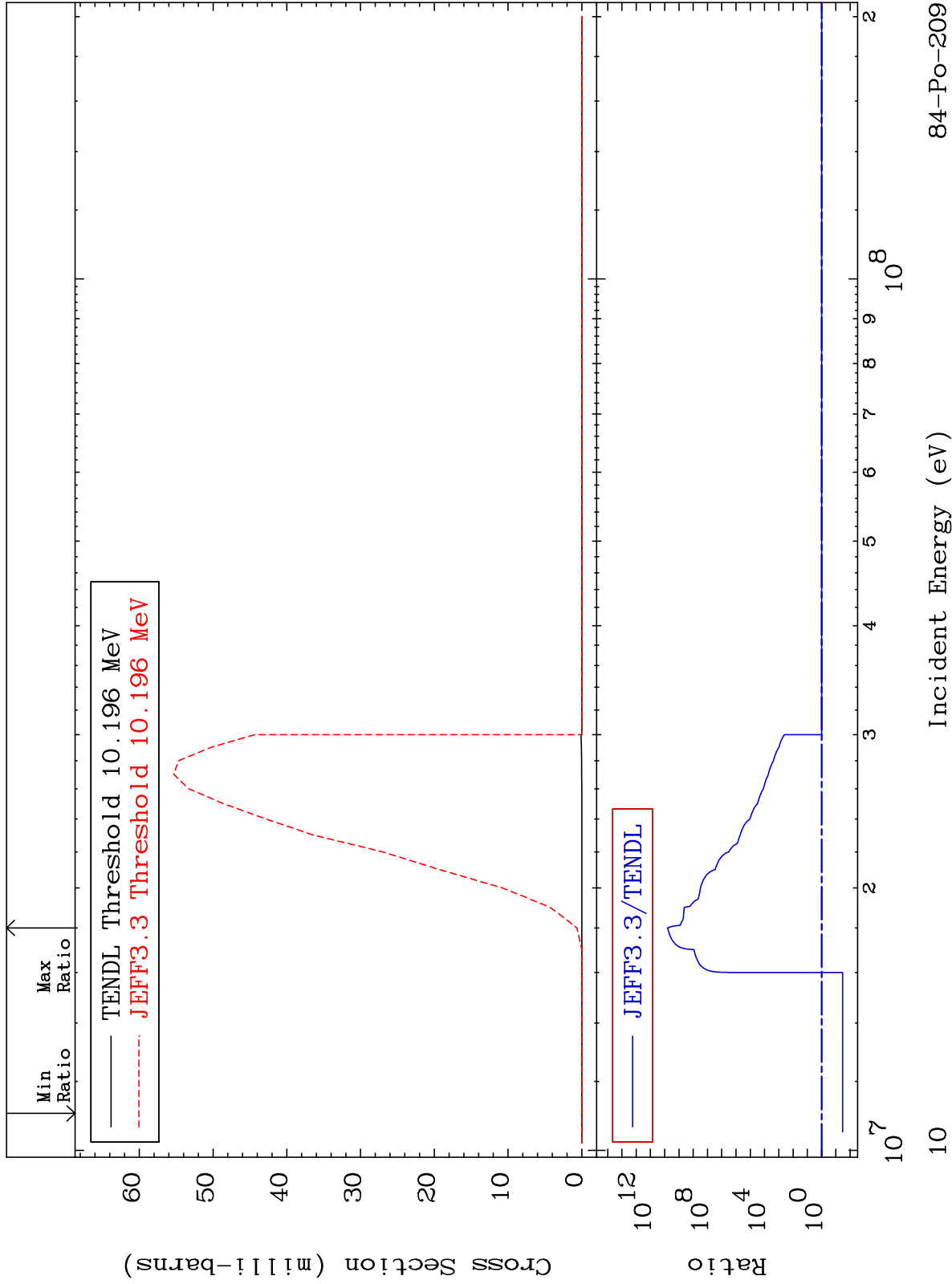
MAT 8434

(n,3n) α

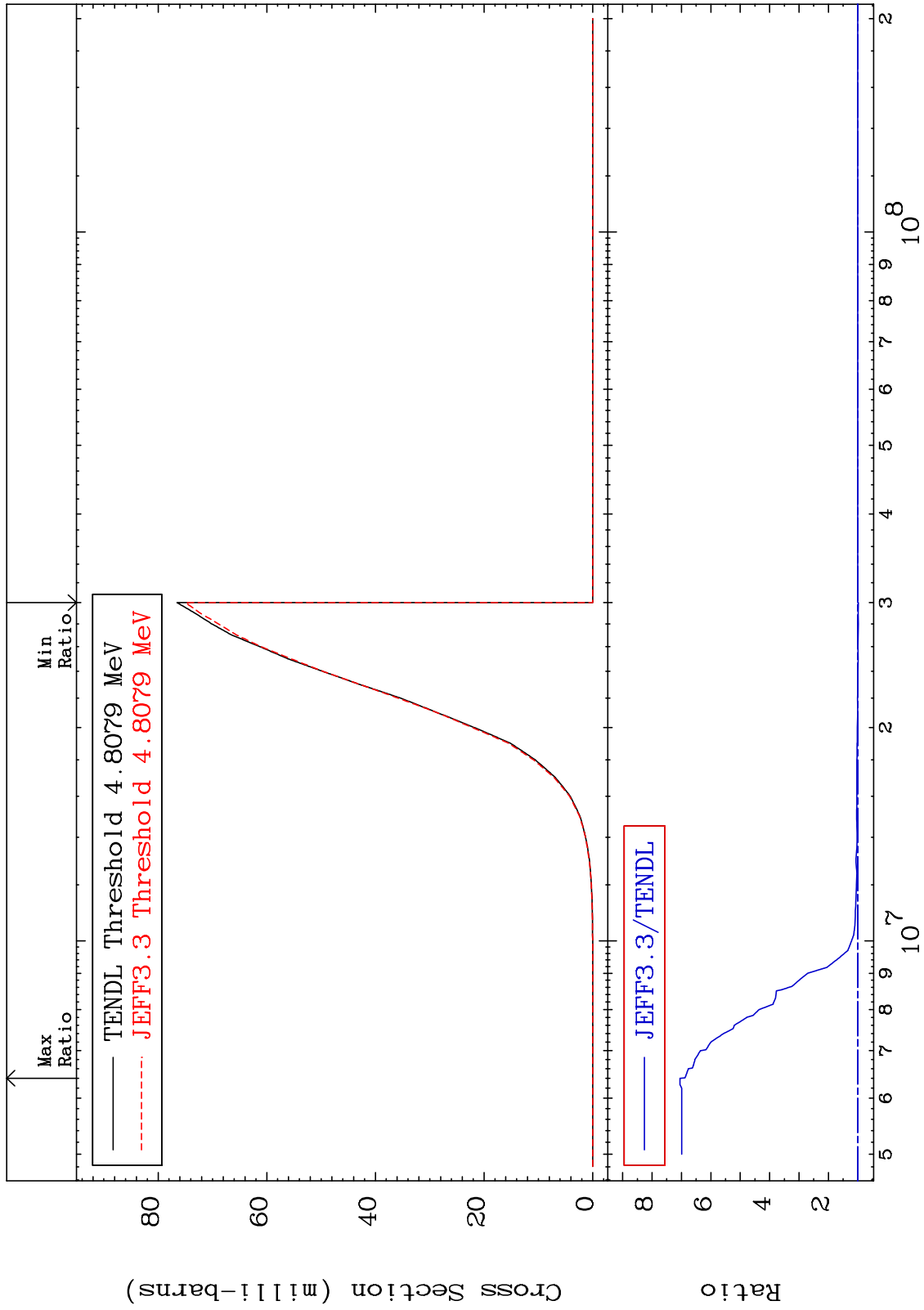
84-Po-209

Cross Section

-96.66 To 9999. %



MAT 8434 (n,n') p Cross Section 84-Po-209 -2.041 To 604.8 %



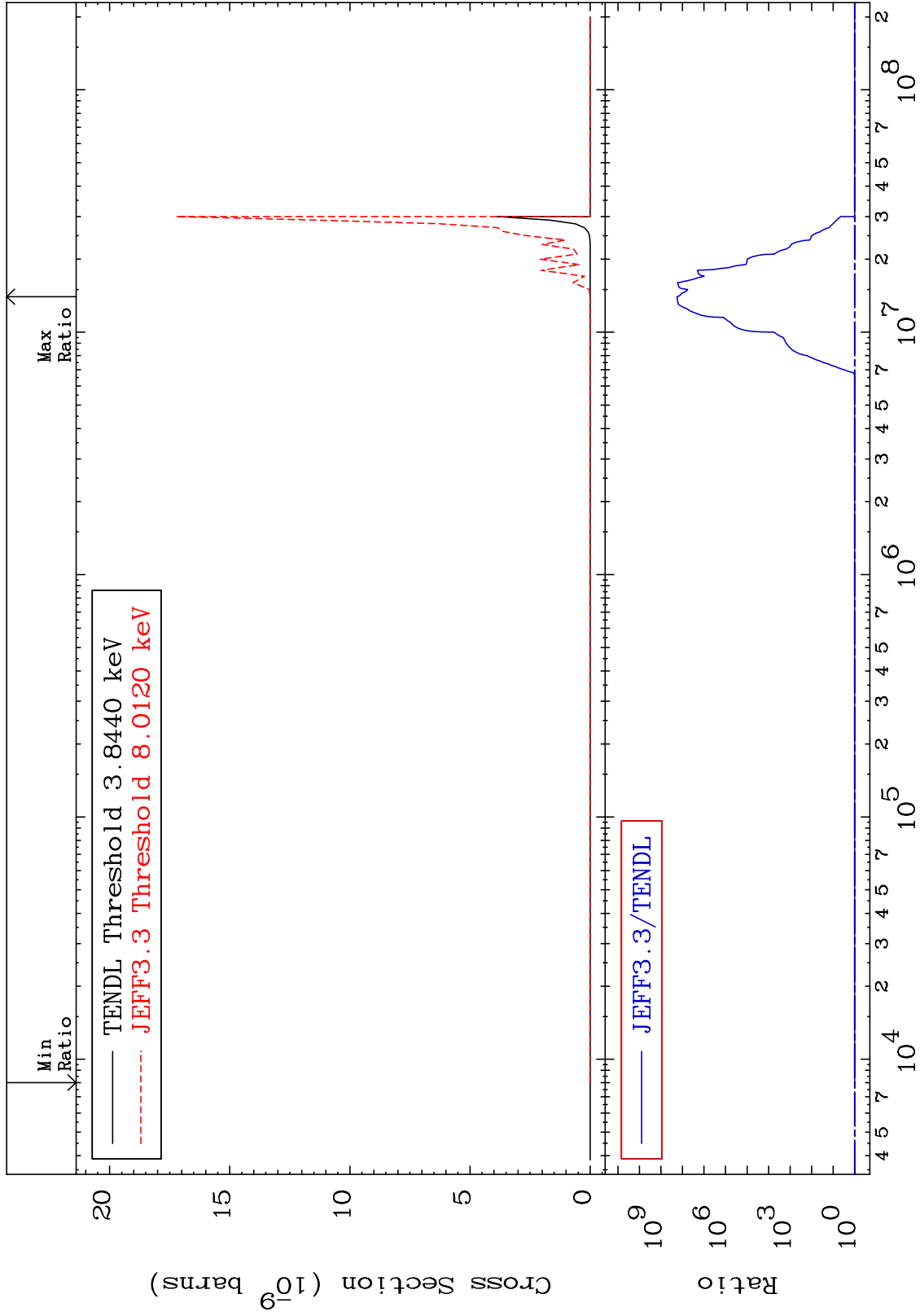
MAT 8434

(n, n') 2α

84-Po-209

Cross Section

0.000 To 9999. %



12

84-Po-209

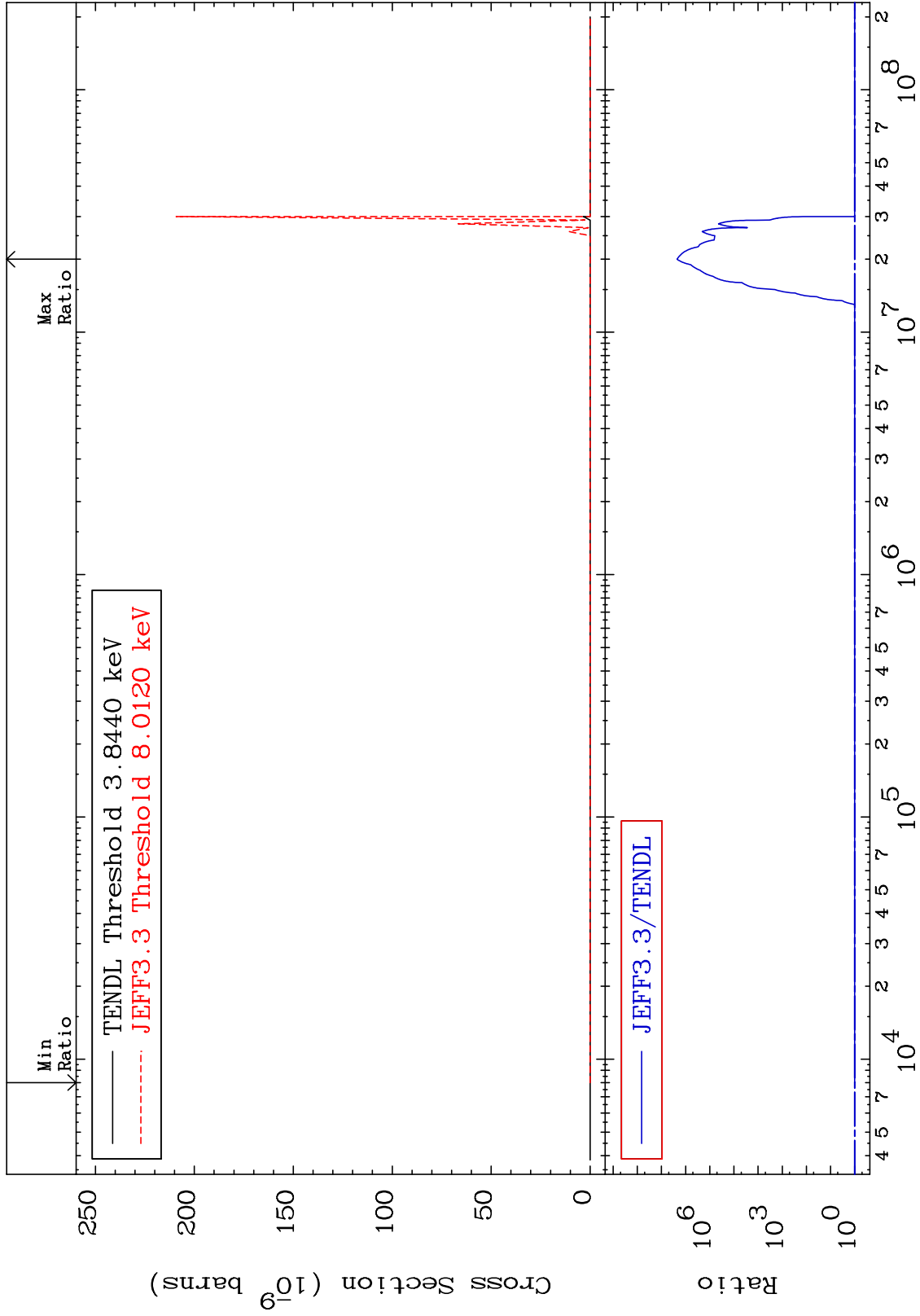
MAT 8434

(n,2n) 2 α

84-Po-209

Cross Section

0.000 To 9999. %



MAT 8434

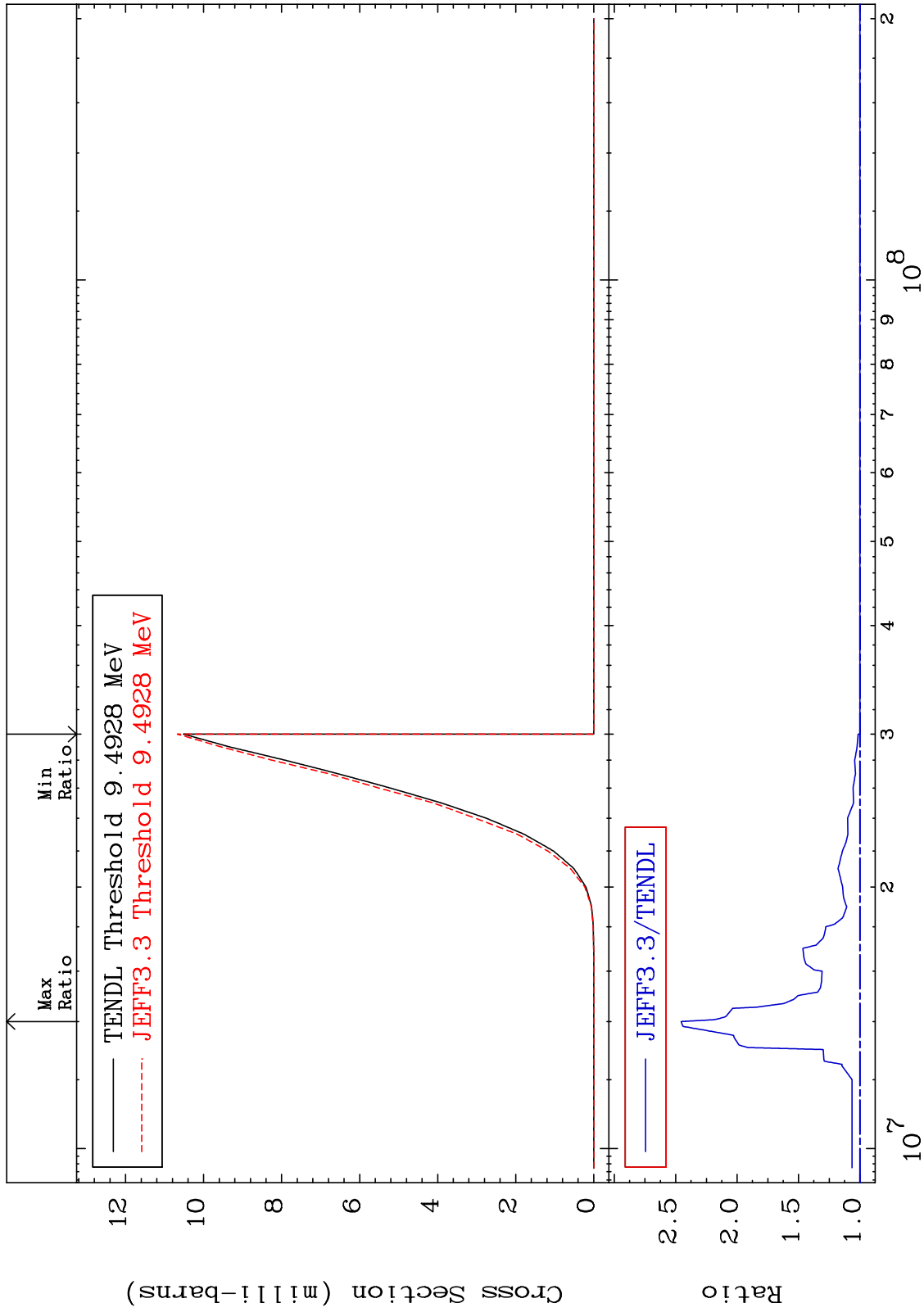
(n, n') d

84-Po-209

Cross Section

0.000

To 145.5 %

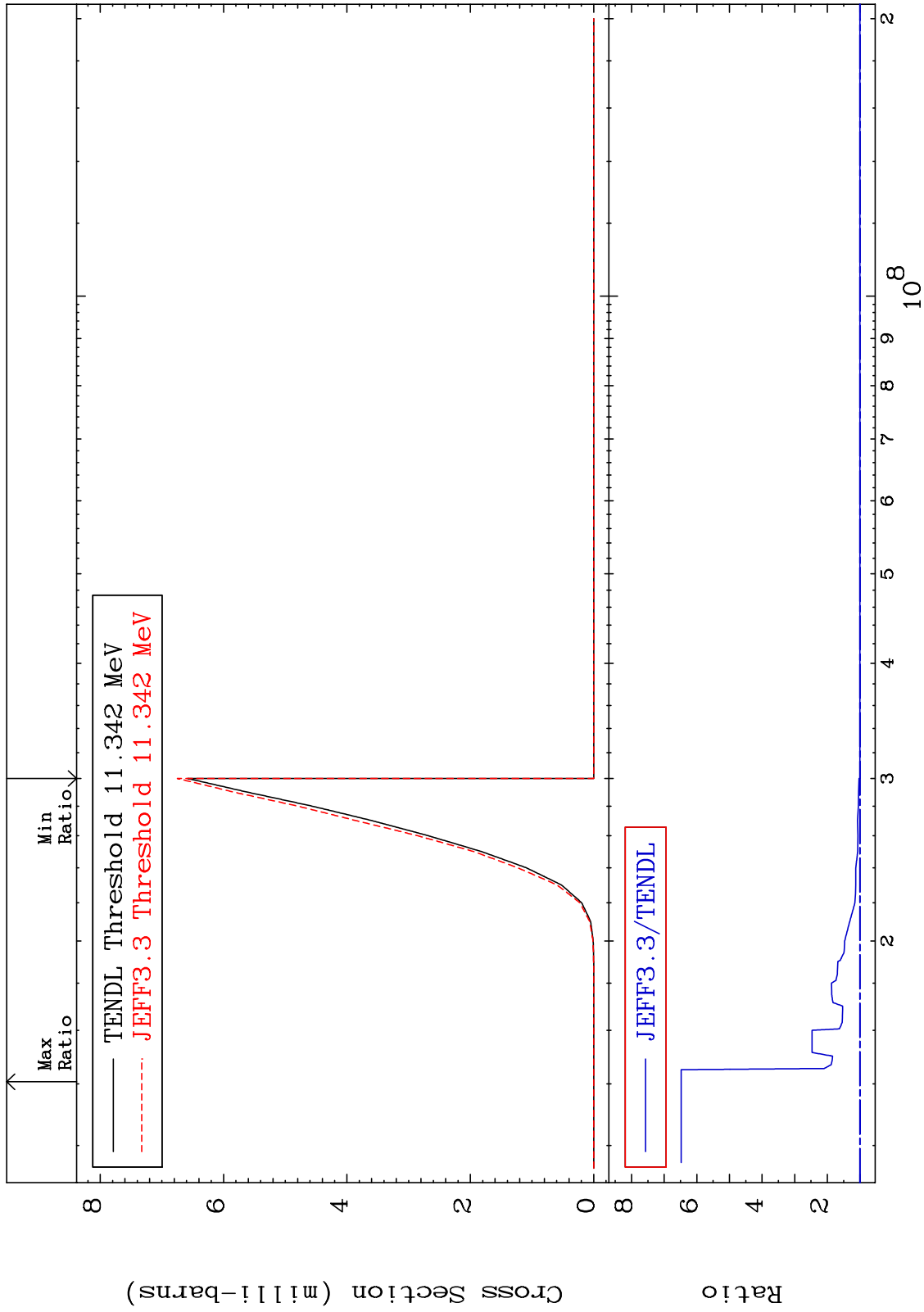


Incident Energy (eV)

84-Po-209

14

MAT 8434 (n,n') t 84-Po-209
 Cross Section 0.000 To 547.8 %



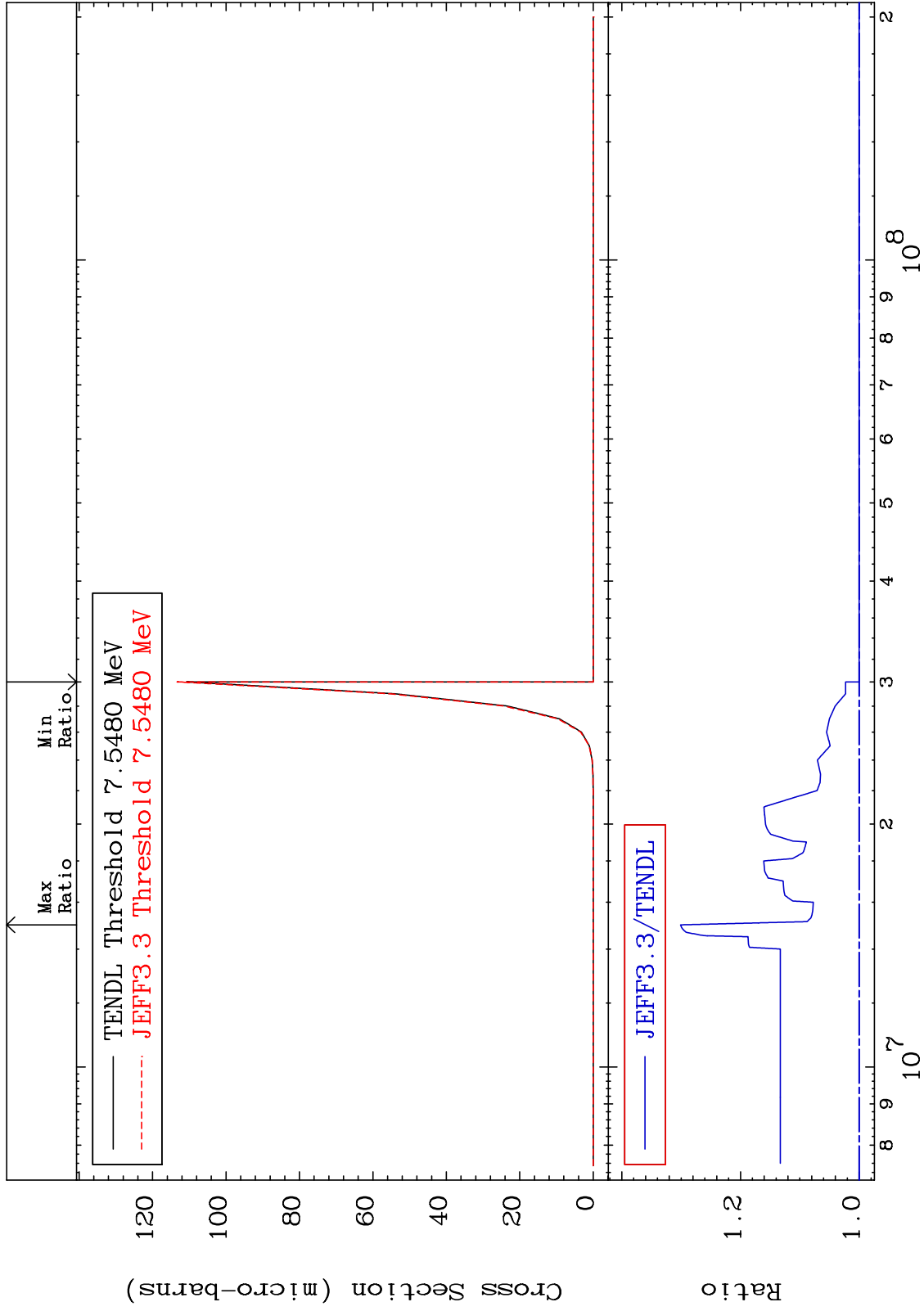
84-Po-209

Incident Energy (eV)

MAT 8434

(n, n') He-3
Cross Section

84-Po-209
0.000 To 30.09 %



16

Incident Energy (eV)

84-Po-209

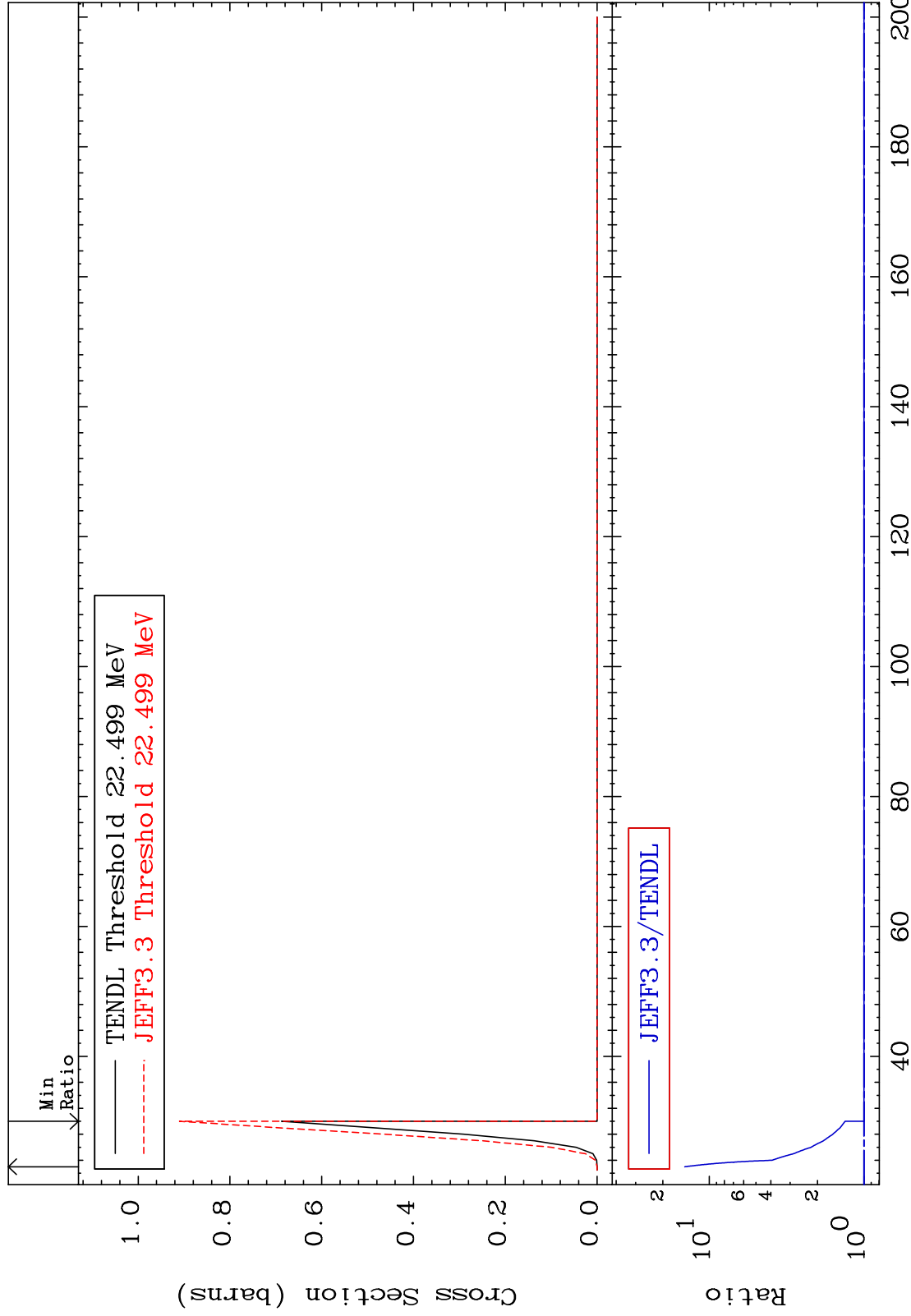
MAT 8434

(n, 4n)

84-Po-209

Cross Section

0.000 To 1341. %



MAT 8434

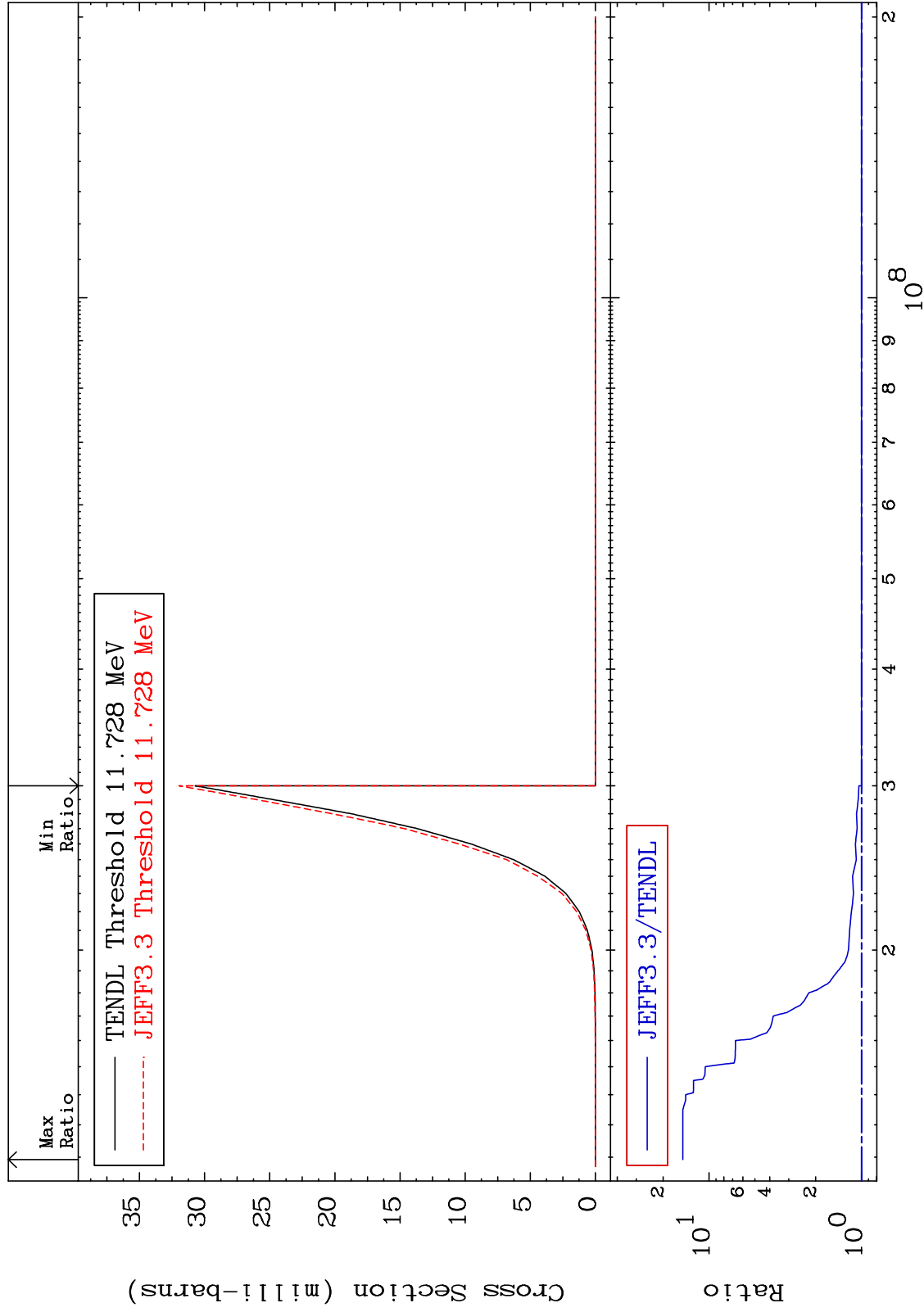
(n,2n) p

84-Po-209

Cross Section

0.000

To 1386. %



MAT 8434

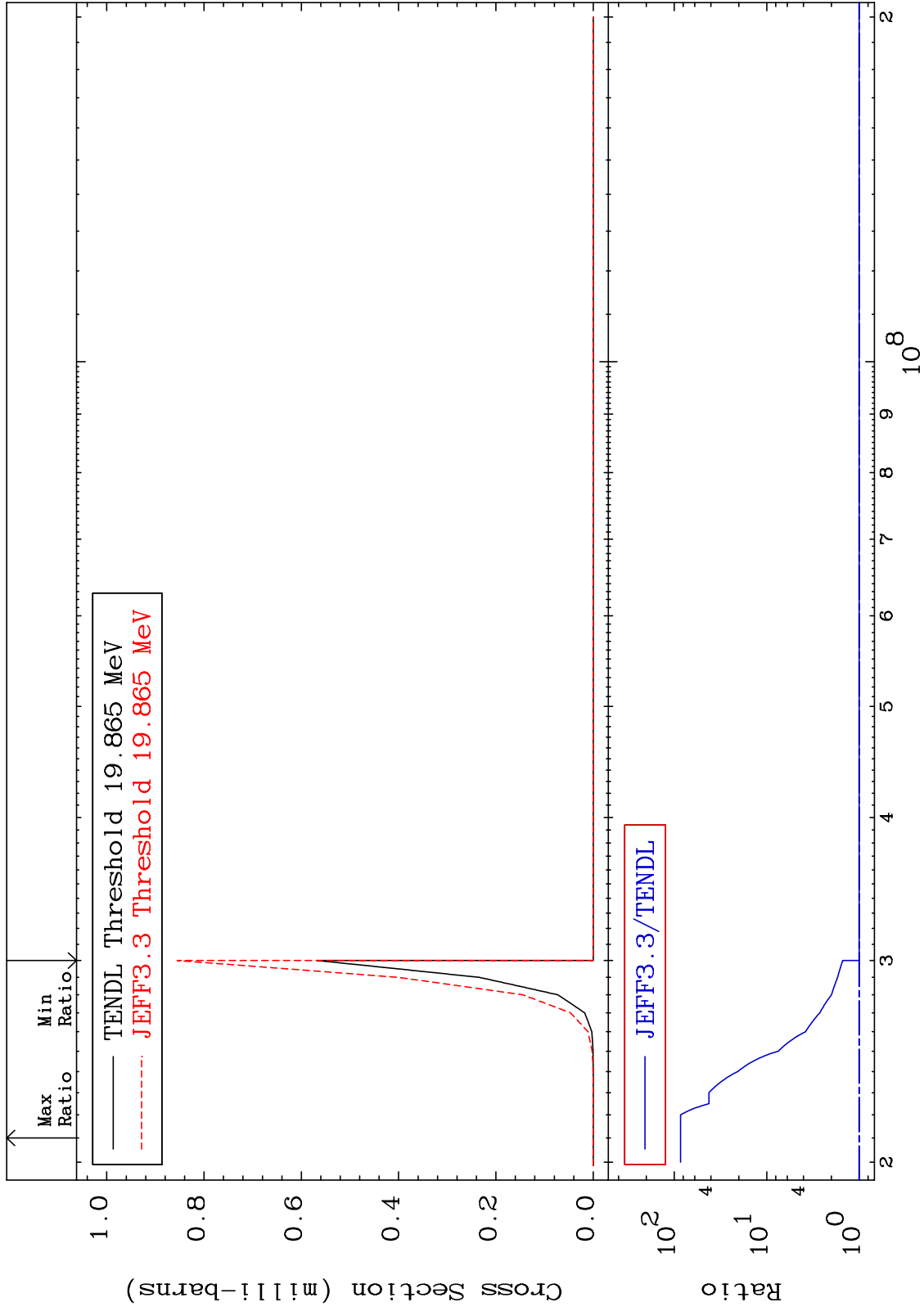
(n,3n) p

84-Po-209

Cross Section

0.000

To 8423. %



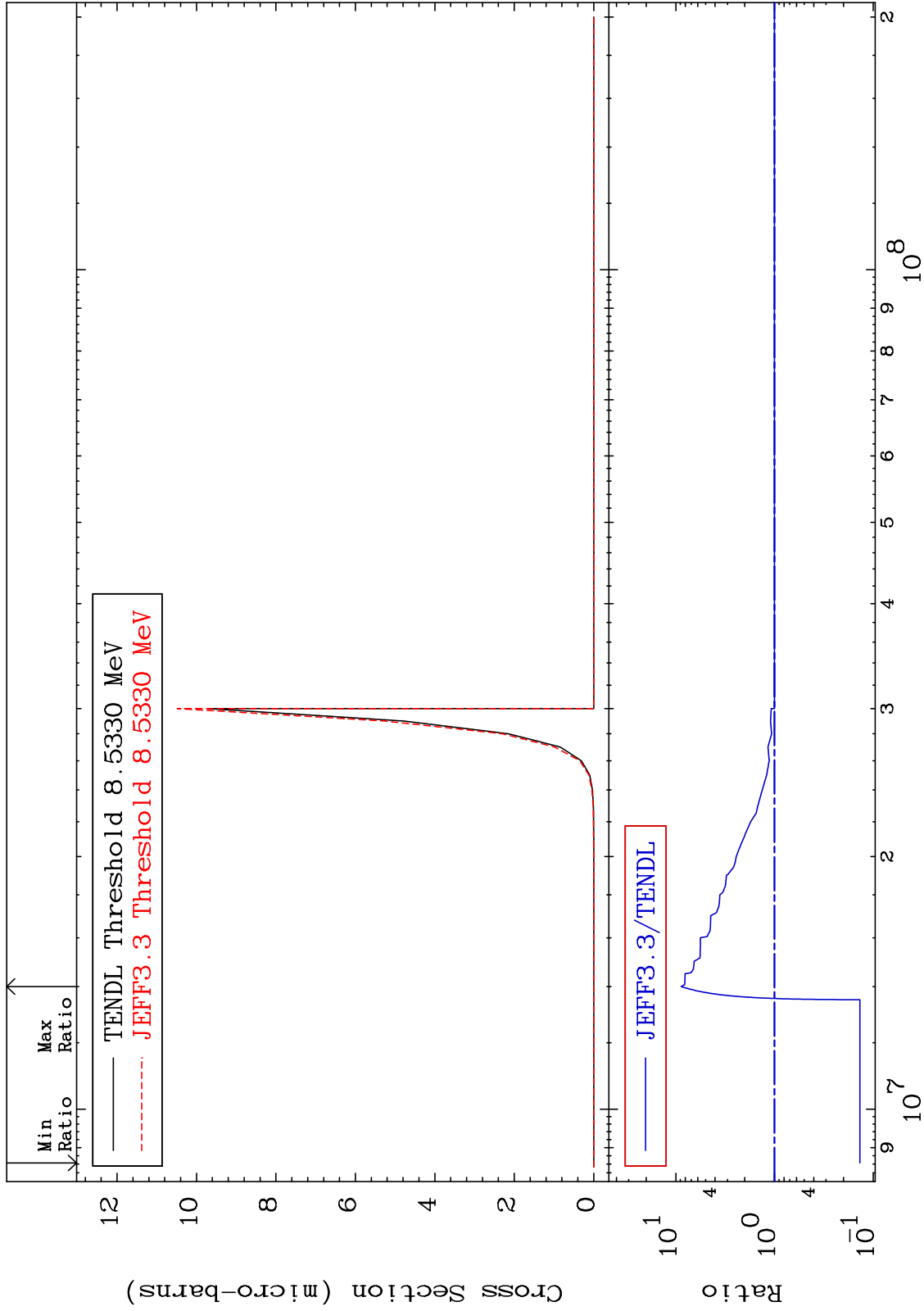
MAT 8434

(n,2n) p

84-Po-209

Cross Section

-86.37 To 781.9 %



20

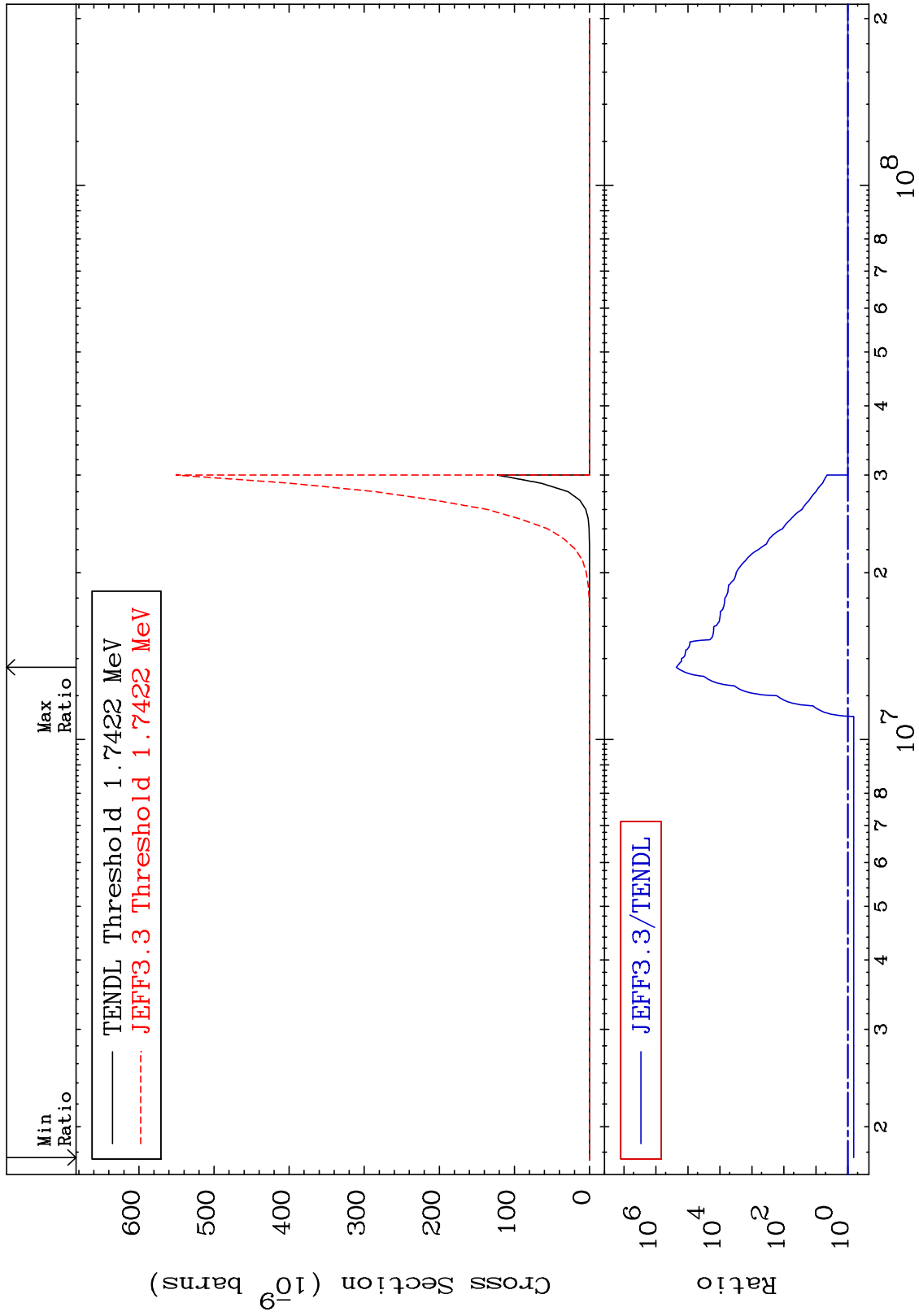
Incident Energy (eV)

84-Po-209

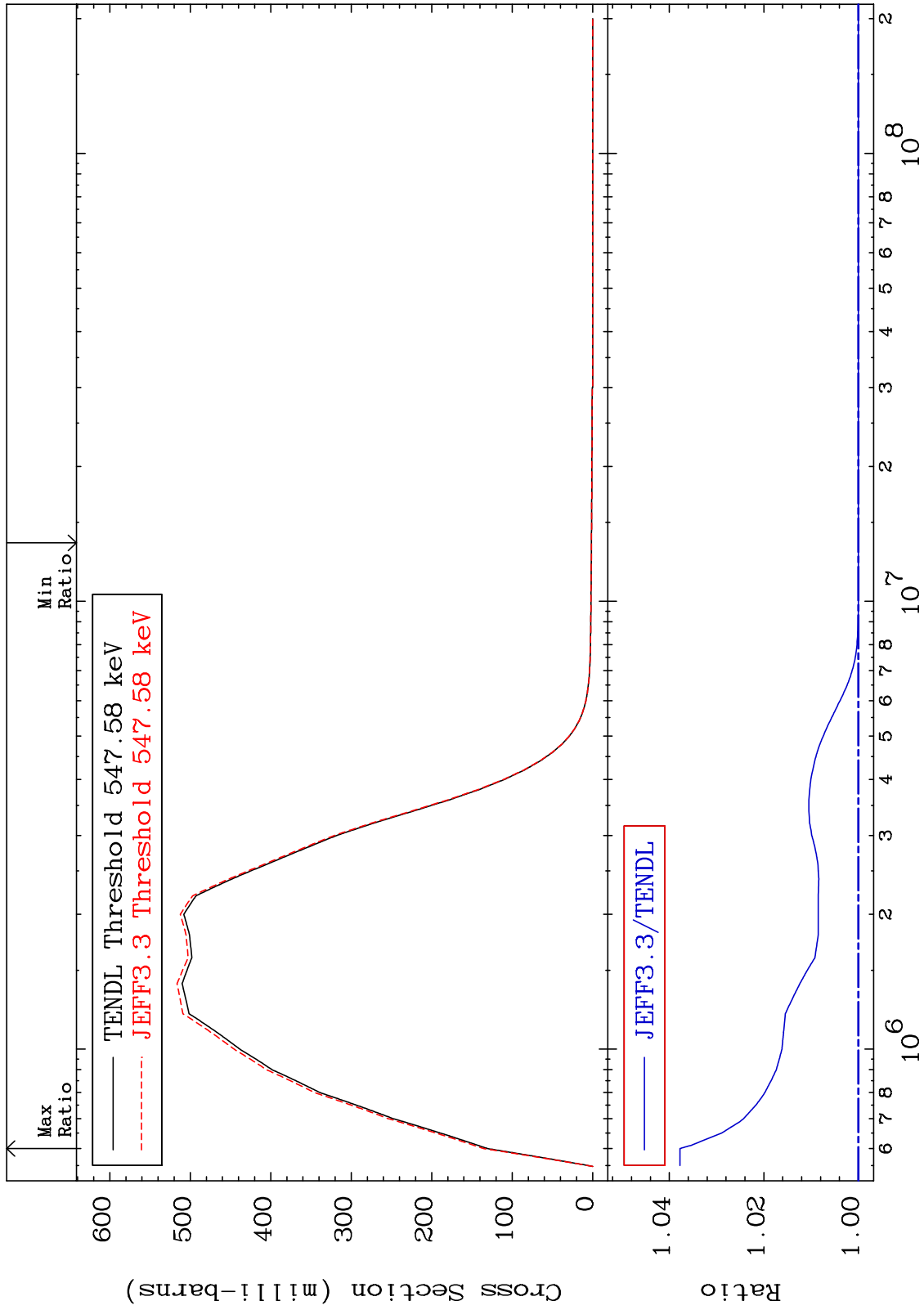
MAT 8434

(n,n') p α
Cross Section

84-Po-209
-34.47 To 9999. %



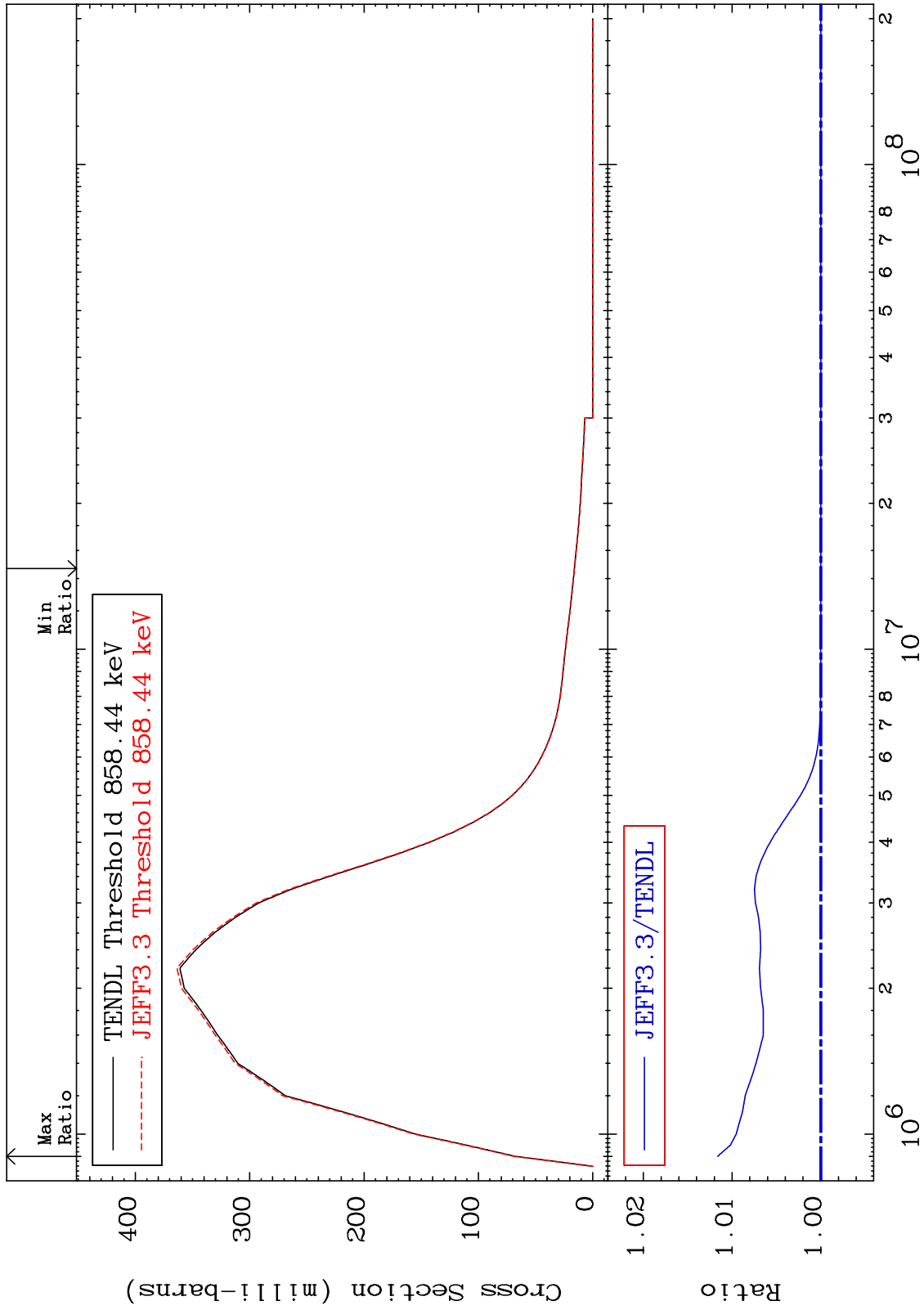
MAT 8434 MT= 51 (n, n') Level Cross Section 84-Po-209 To 3.774 %
 0.000



MAT 8434

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

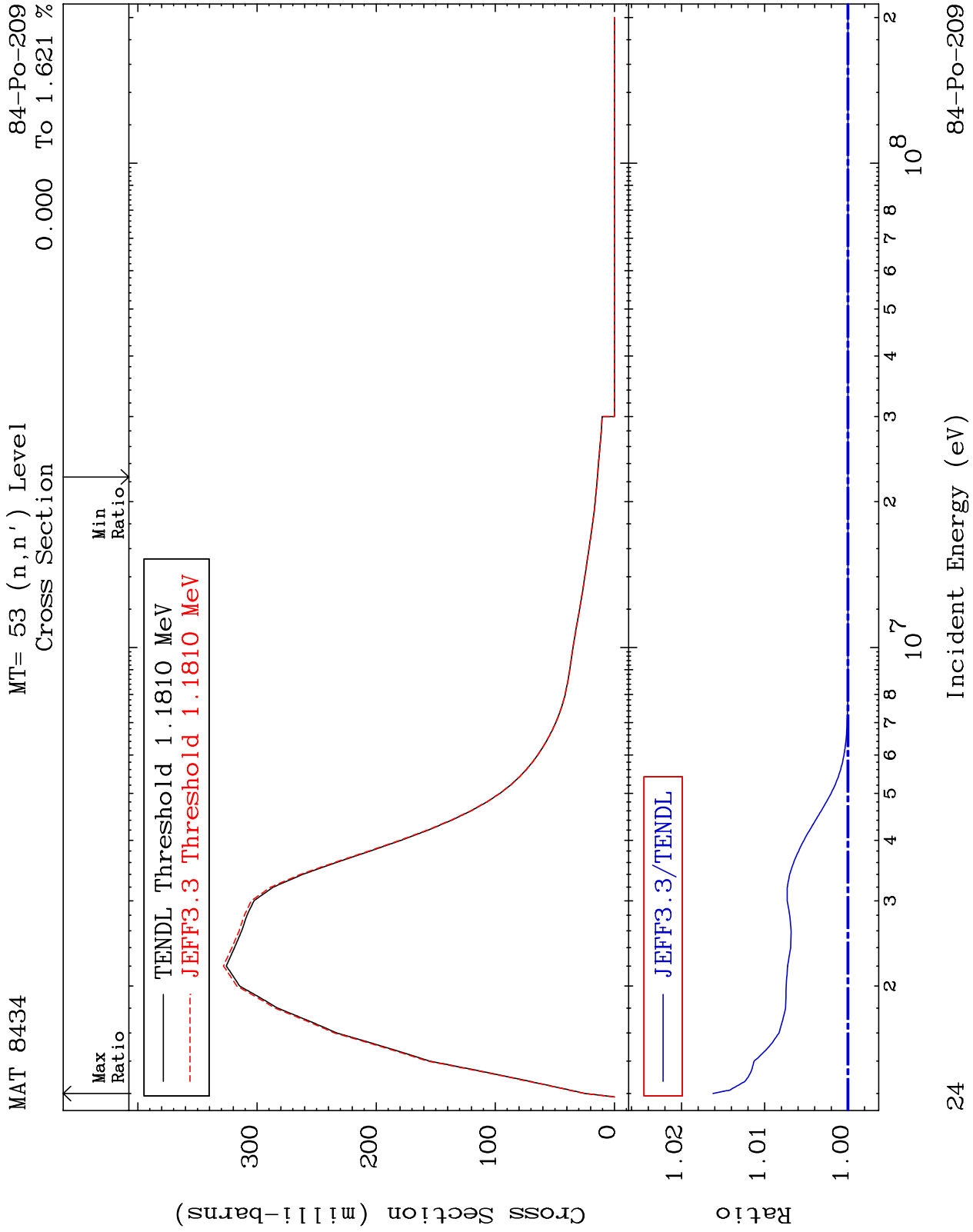
84-Po-209
0.000 To 1.163 %



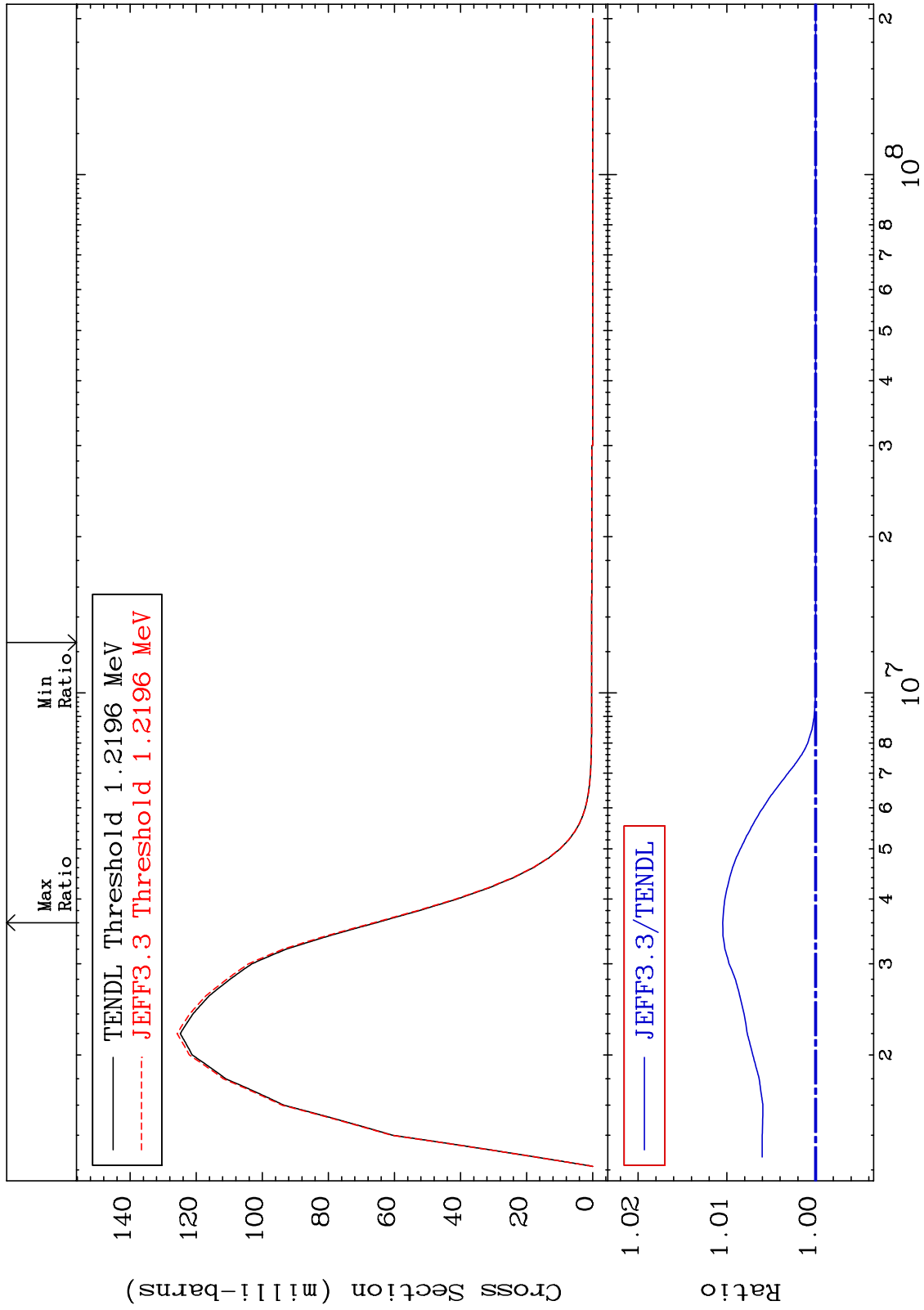
23

Incident Energy (eV)

84-Po-209



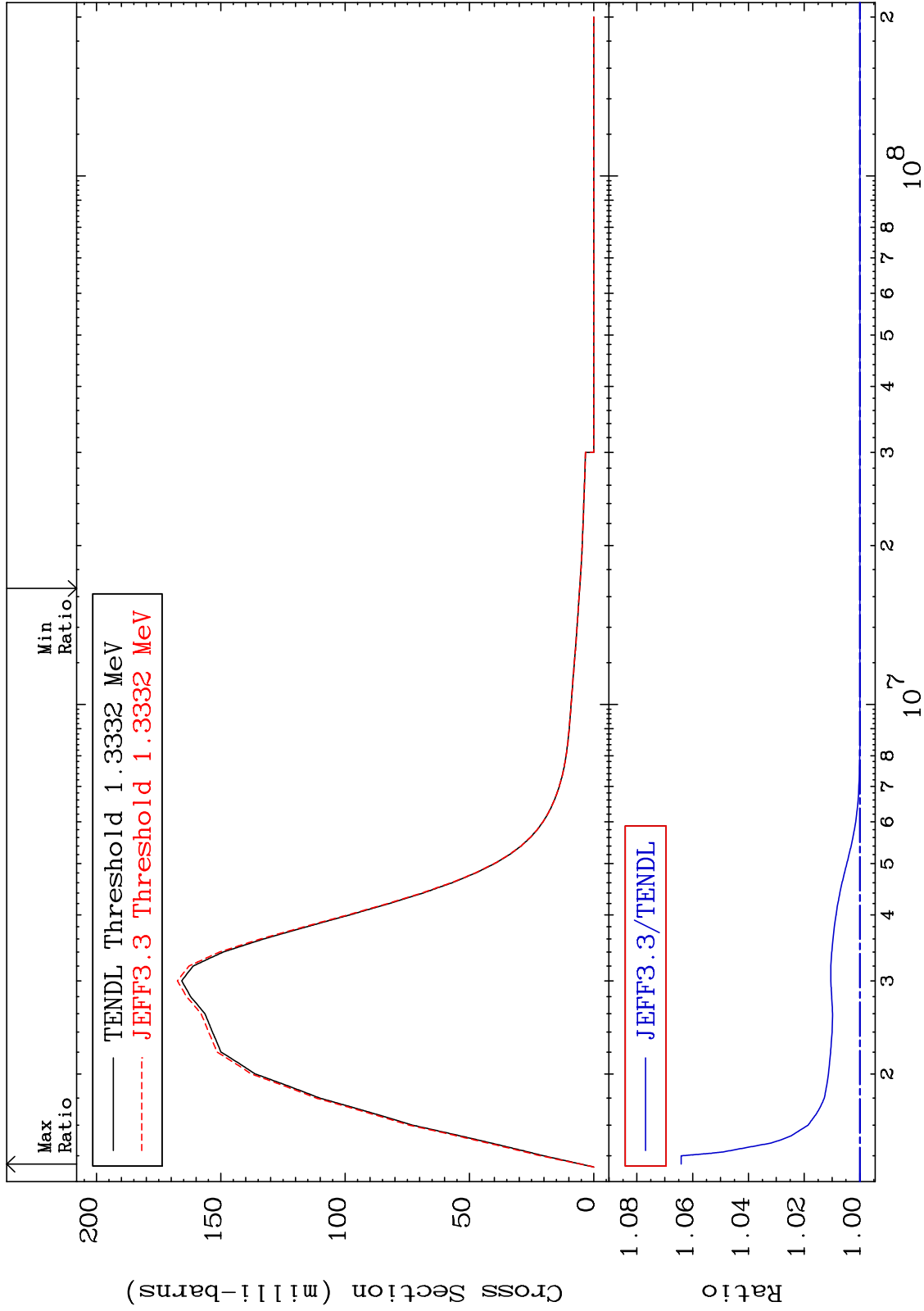
MAT 8434 MT= 54 (n,n') Level Cross Section 84-Po-209 To 1.047 %
 0.000

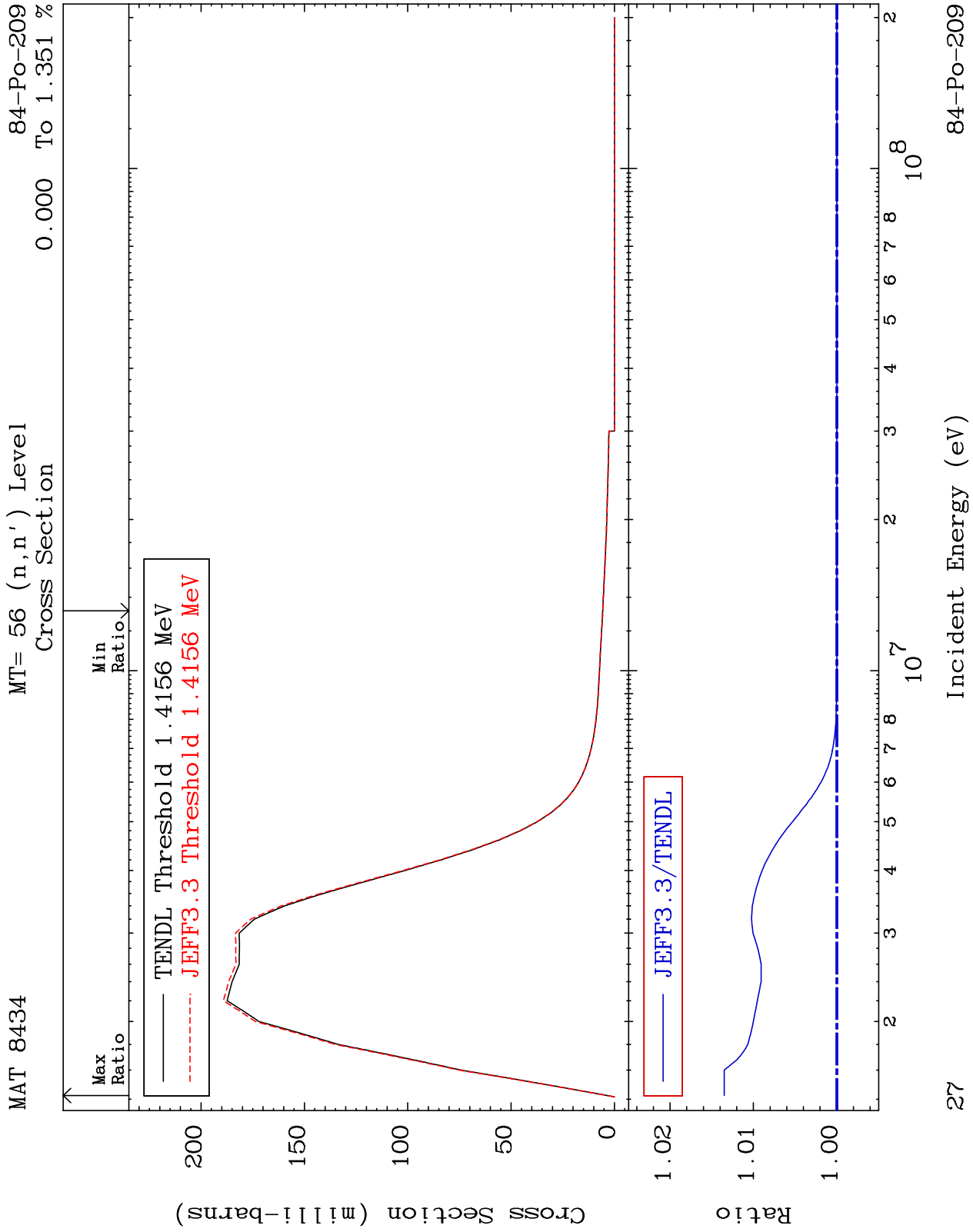


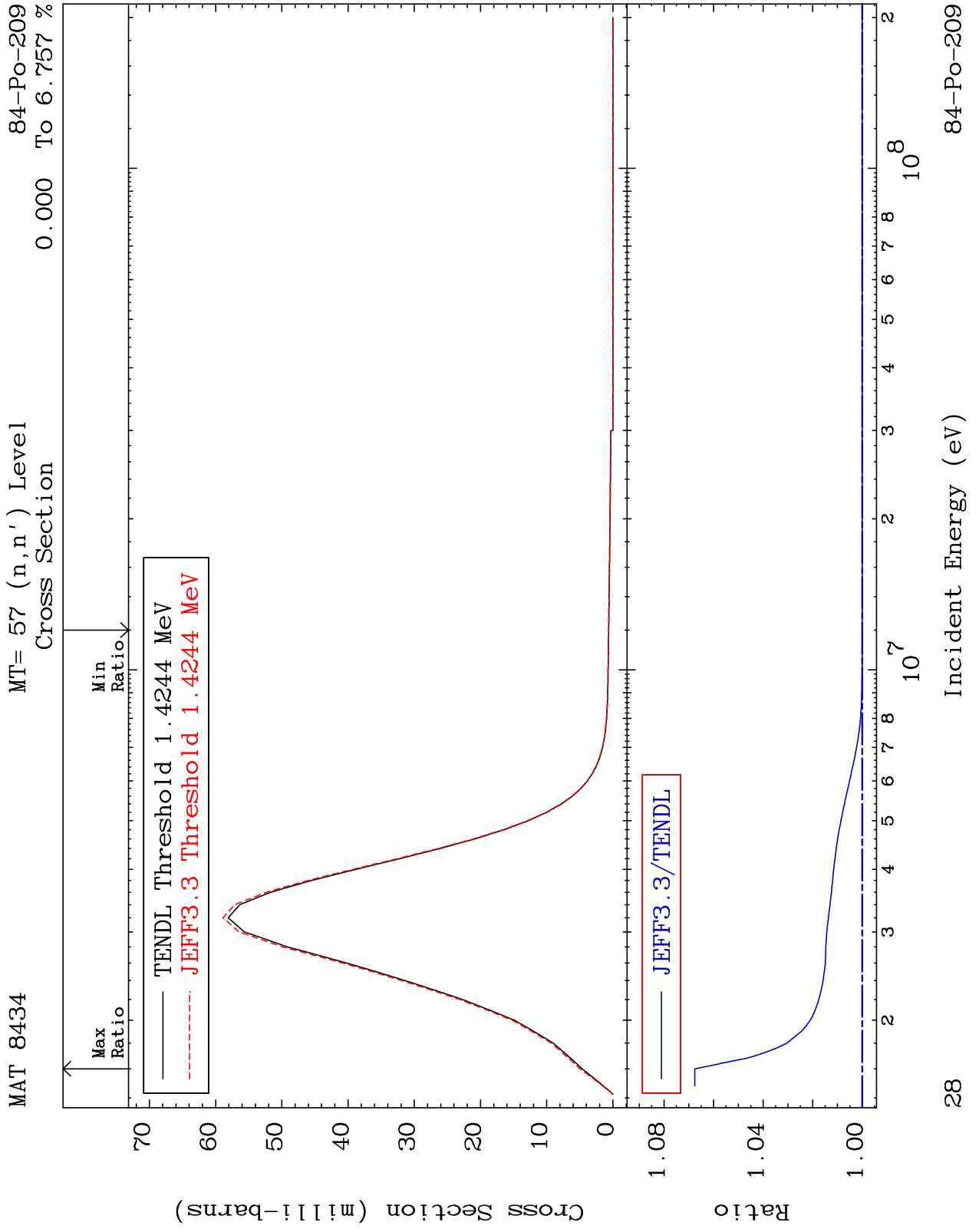
MAT 8434

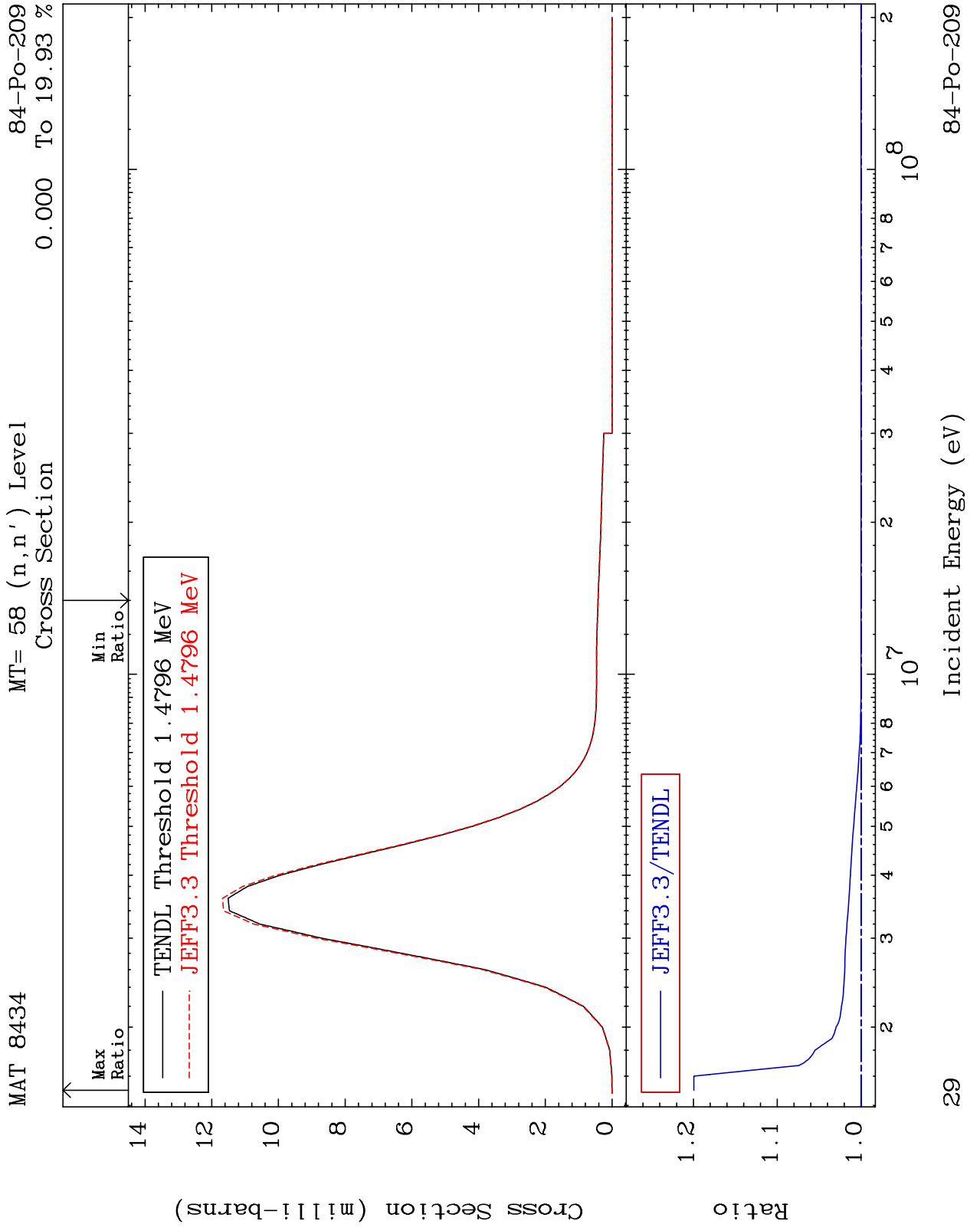
MT= 55 (n,n') Level
Cross Section

84-Po-209
0.000 To 6.409 %





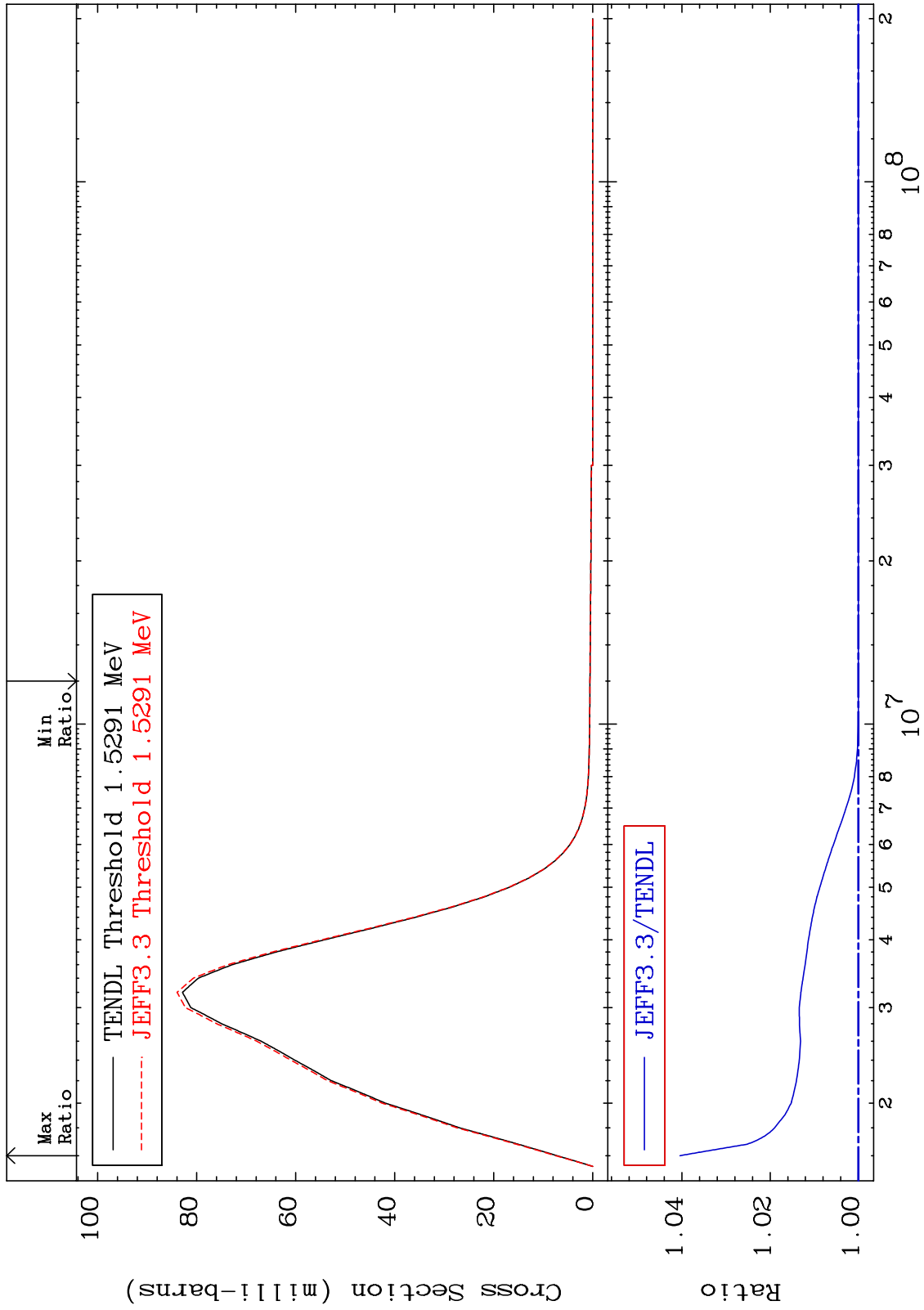




MAT 8434

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

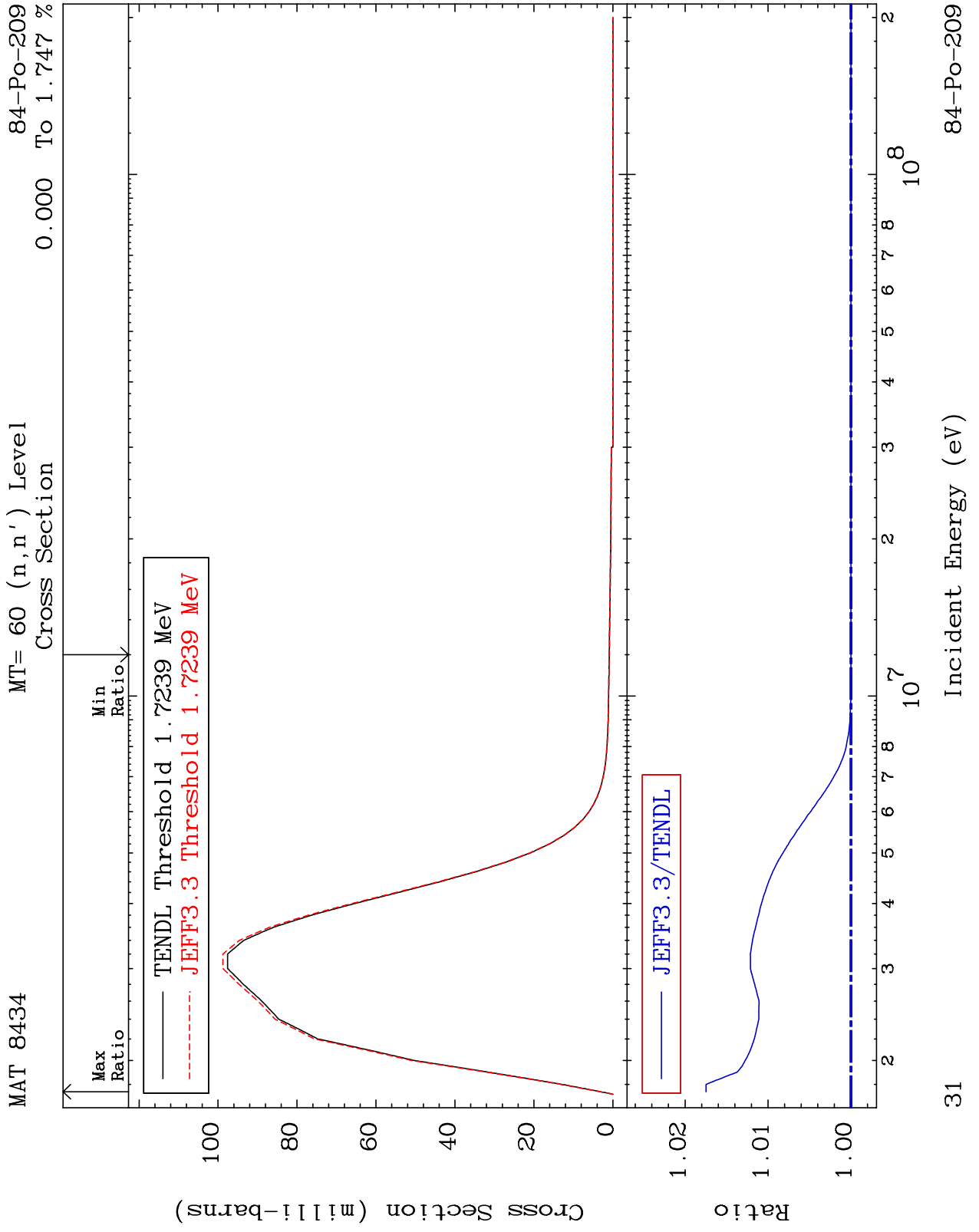
84-Po-209
0.000 To 4.044 %



30

Incident Energy (eV)

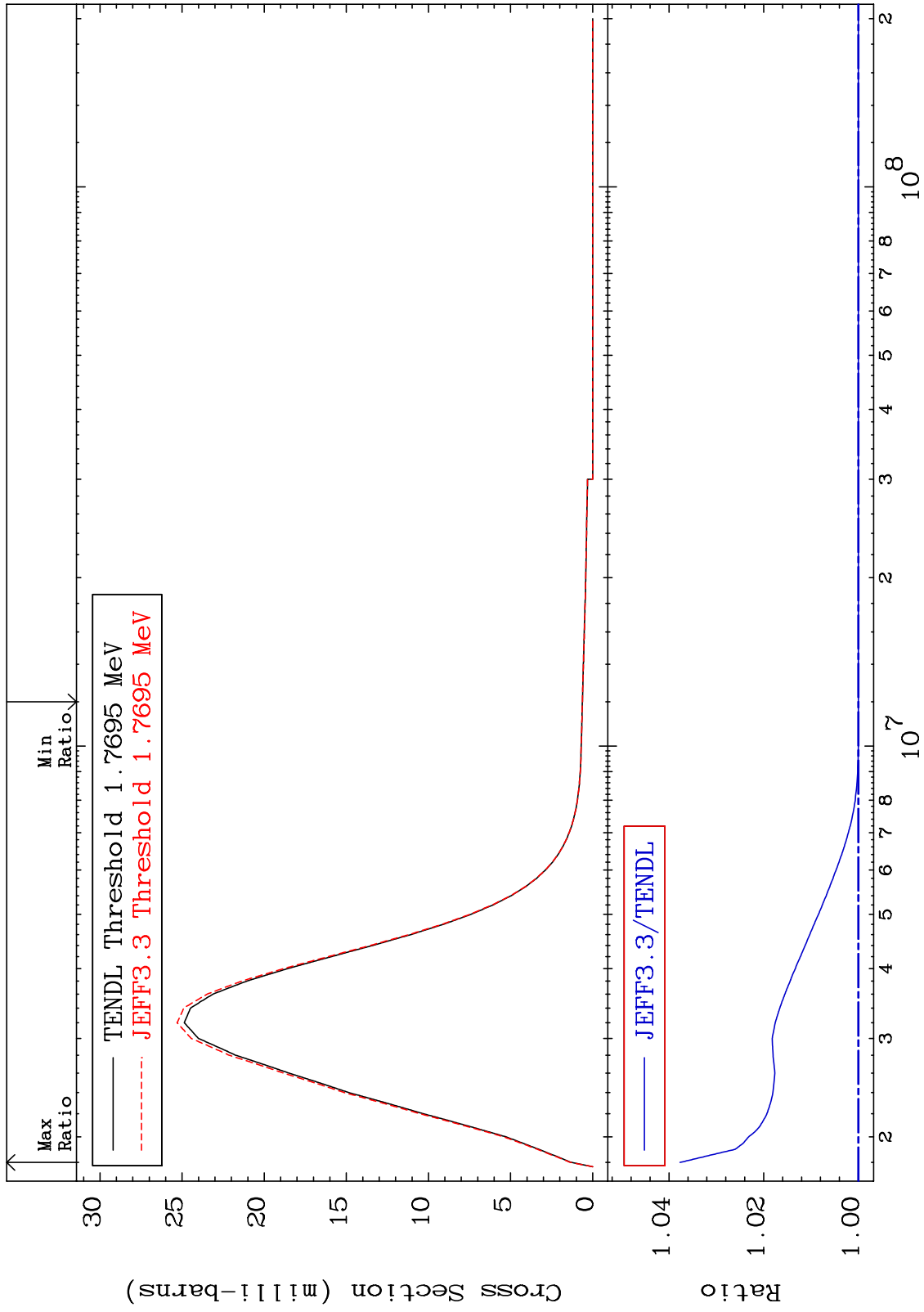
84-Po-209



MAT 8434

MT= 61 (n,n') Level
Cross Section

84-Po-209
0.000 To 3.767 %



32

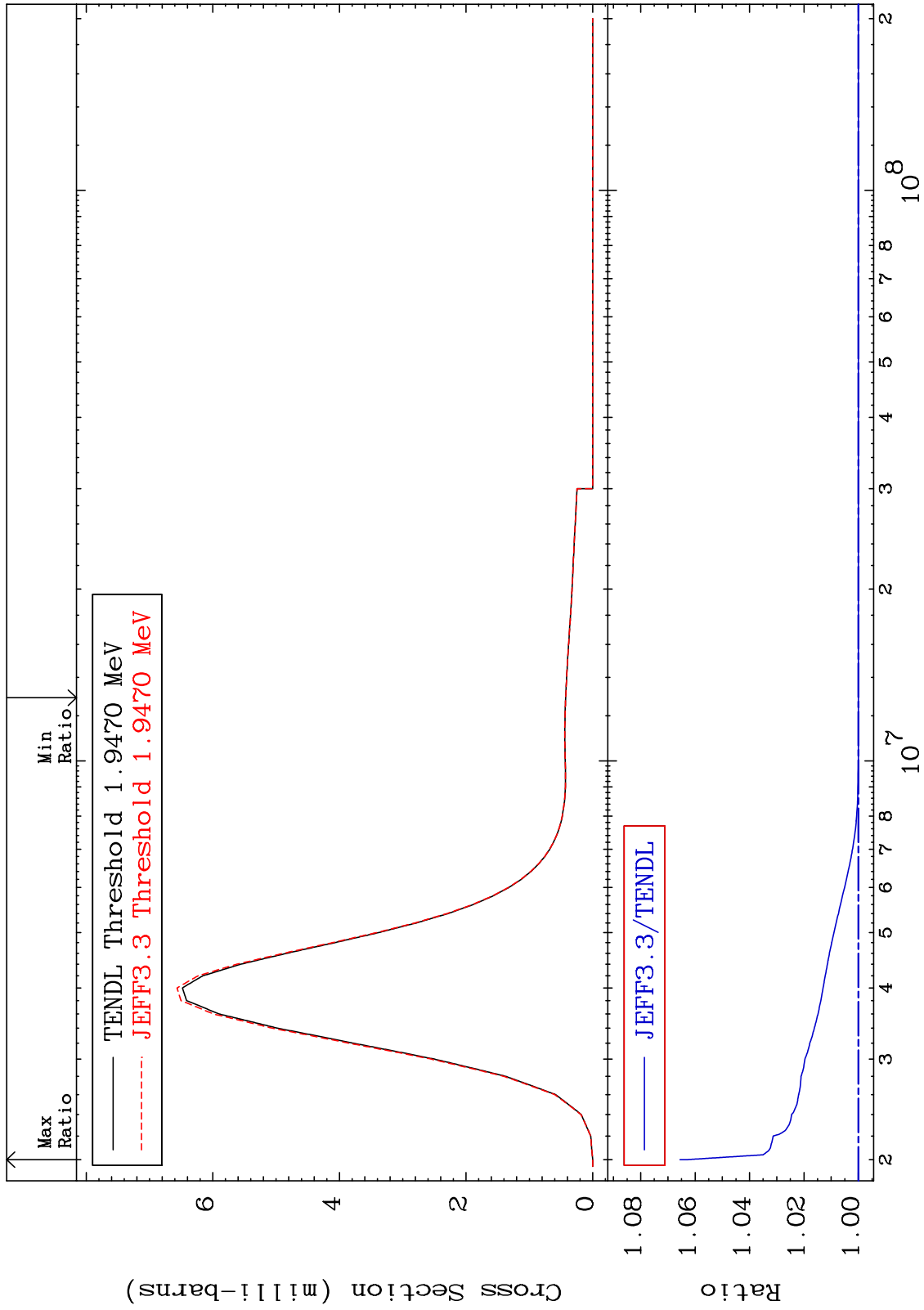
Incident Energy (eV)

84-Po-209

MAT 8434

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

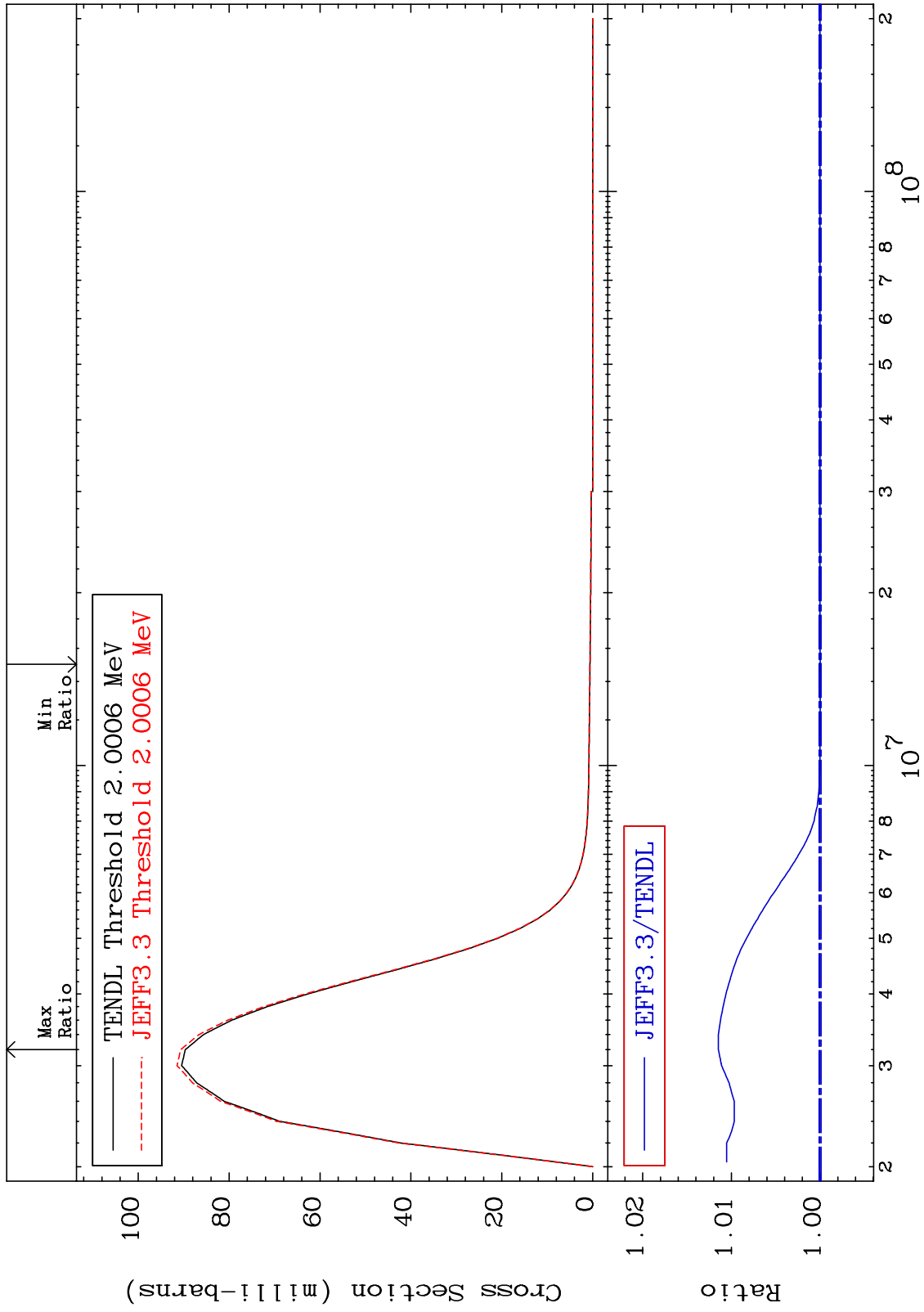
84-Po-209
0.000 To 6.555 %



MAT 8434

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

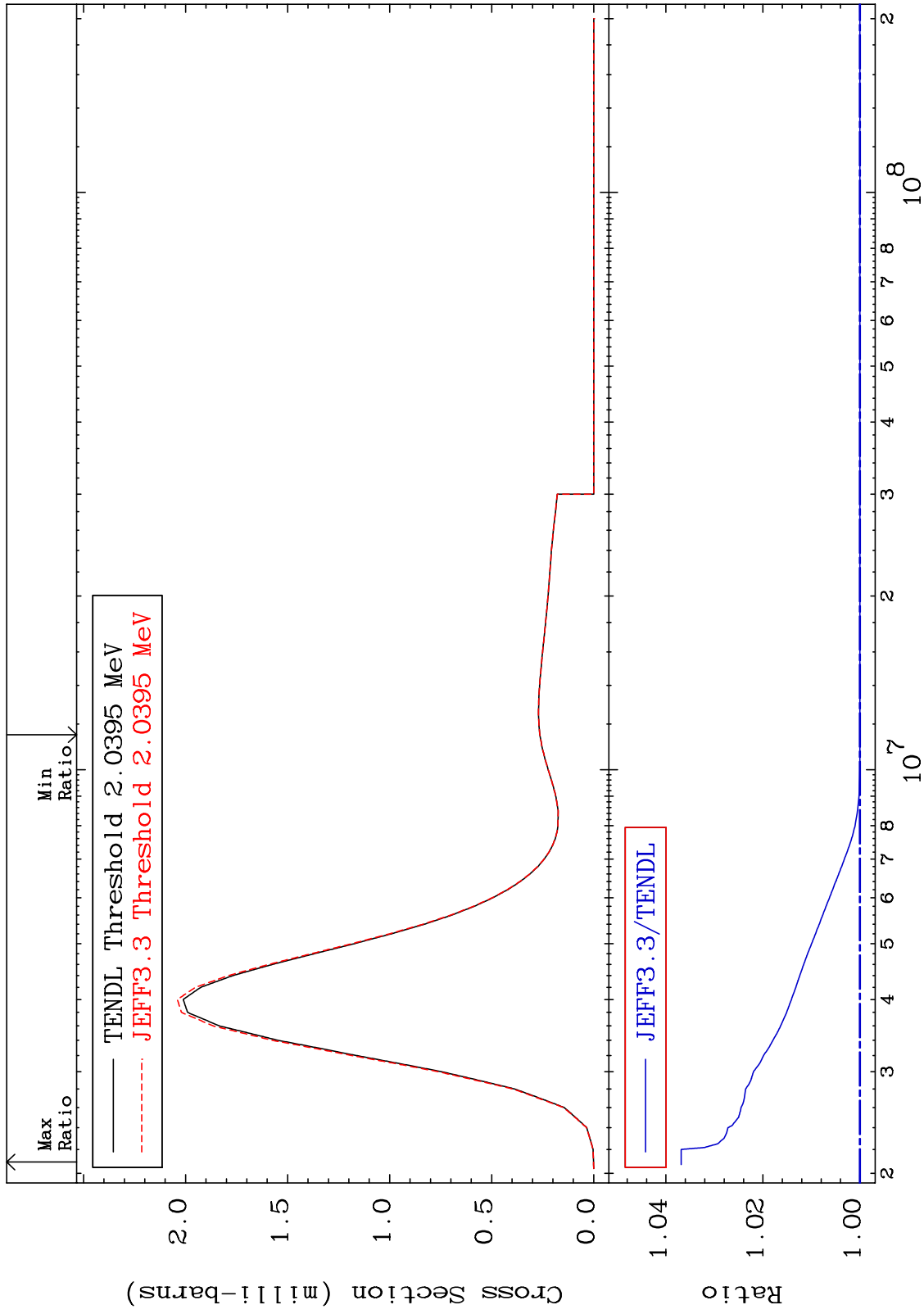
84-Po-209
0.000 To 1.147 %



MAT 8434

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

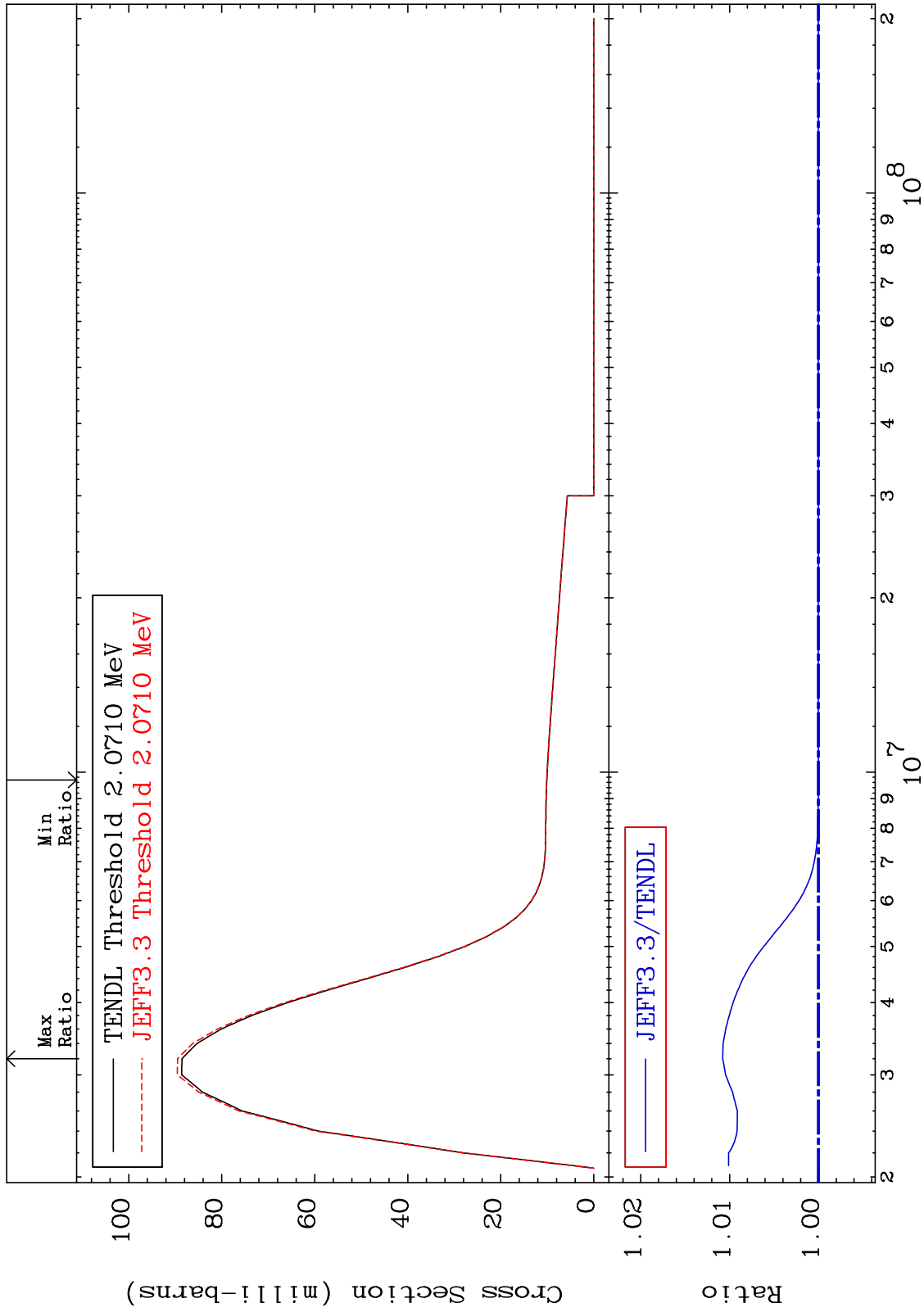
84-Po-209
0.000 To 3.685 %



MAT 8434

MT= 65 (n,n') Level
Cross Section

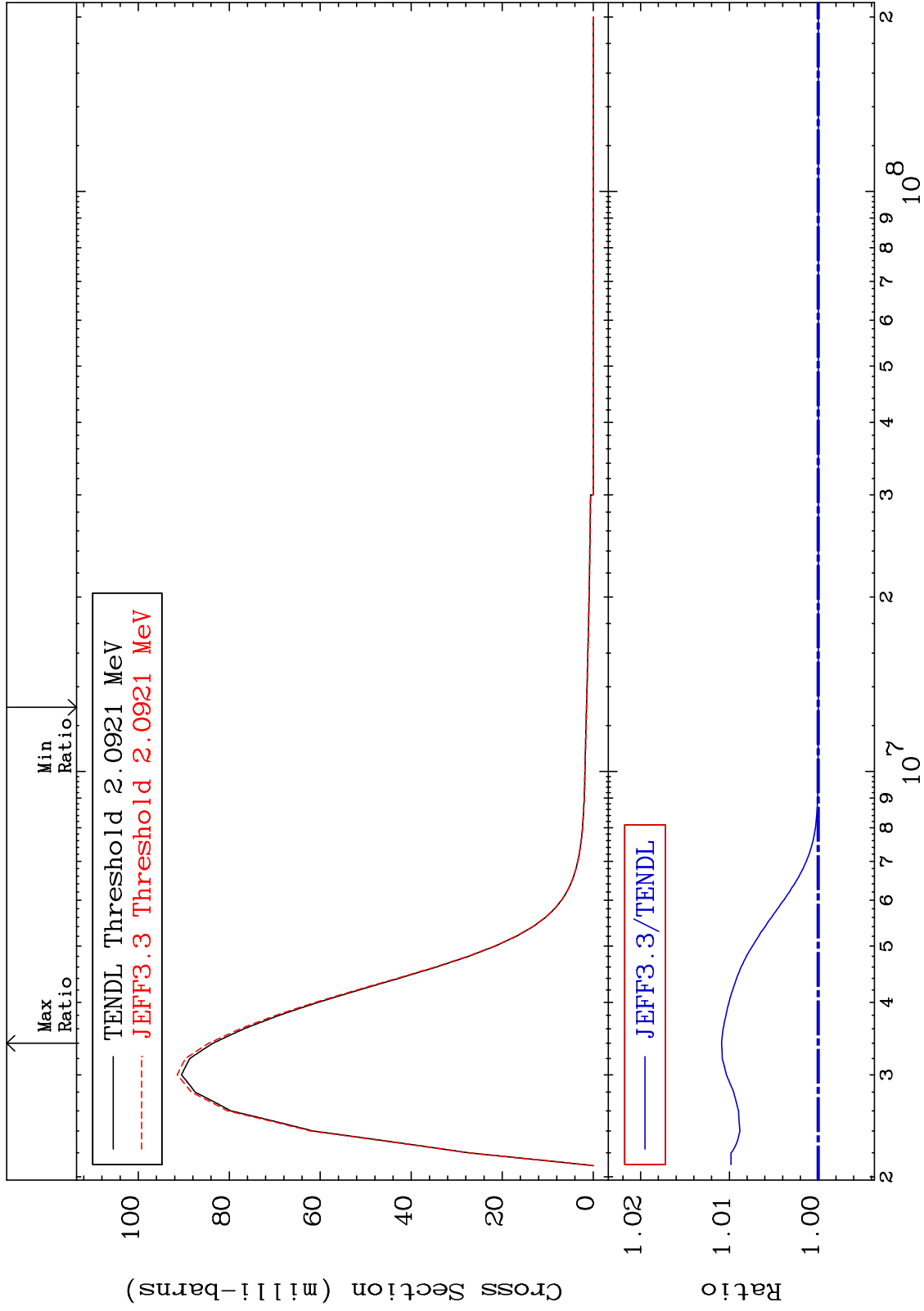
84-Po-209
0.000 To 1.077 %



MAT 8434

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

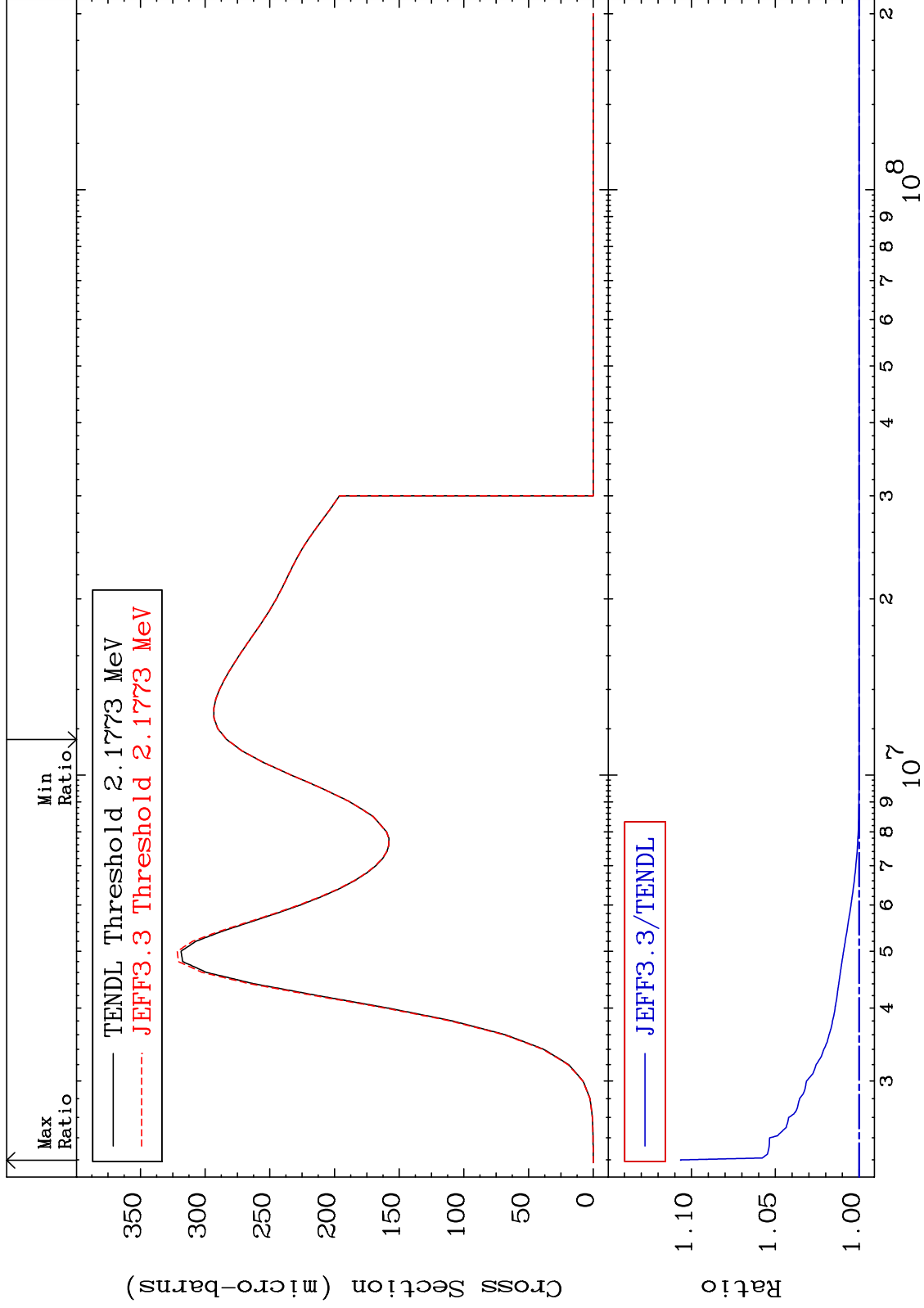
84-Po-209
0.000 To 1.088 %



MAT 8434

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

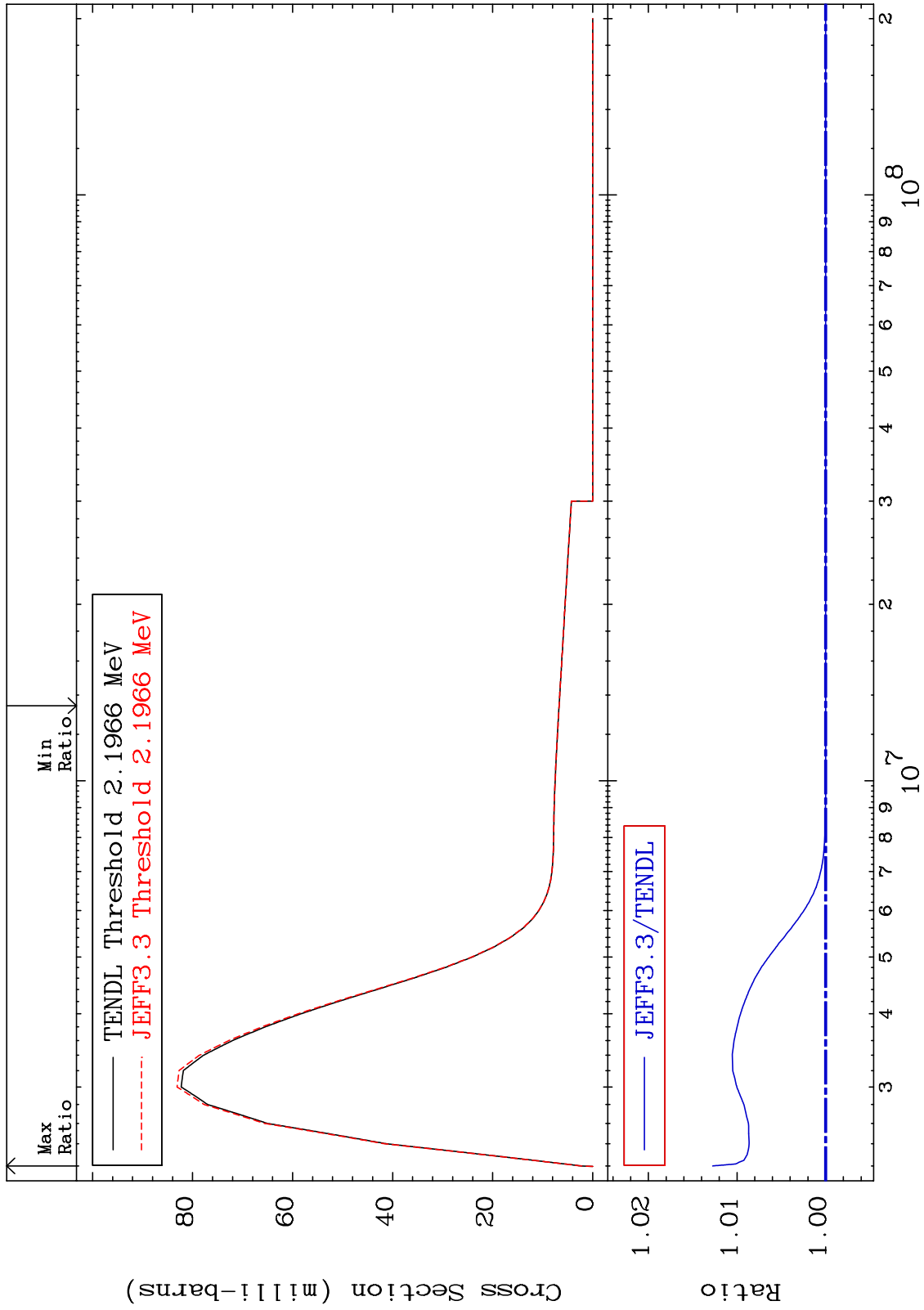
84-Po-209
0.000 To 10.65 %



MAT 8434

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

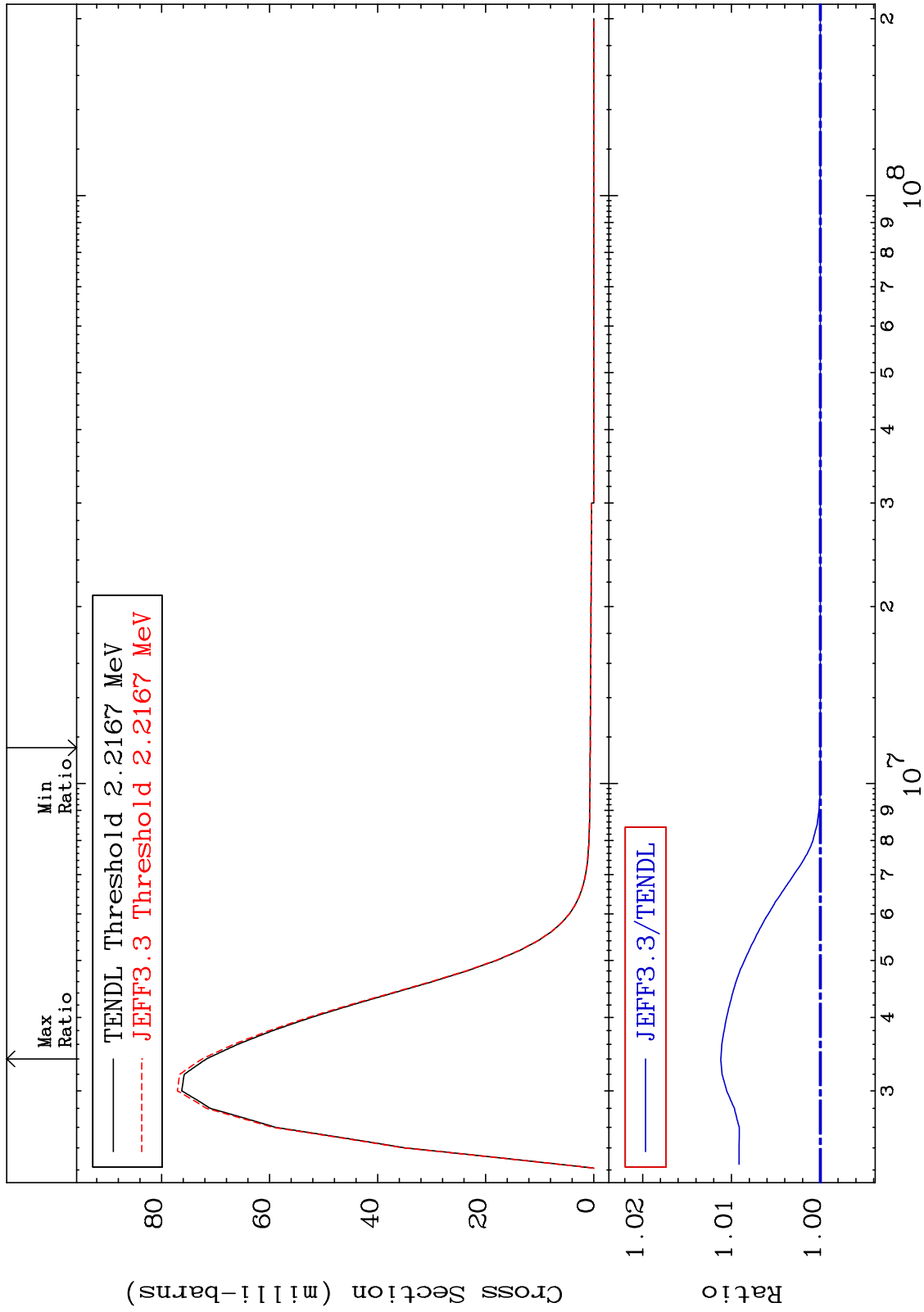
84-Po-209
0.000 To 1.274 %



MAT 8434

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

84-Po-209
0.000 To 1.121 %

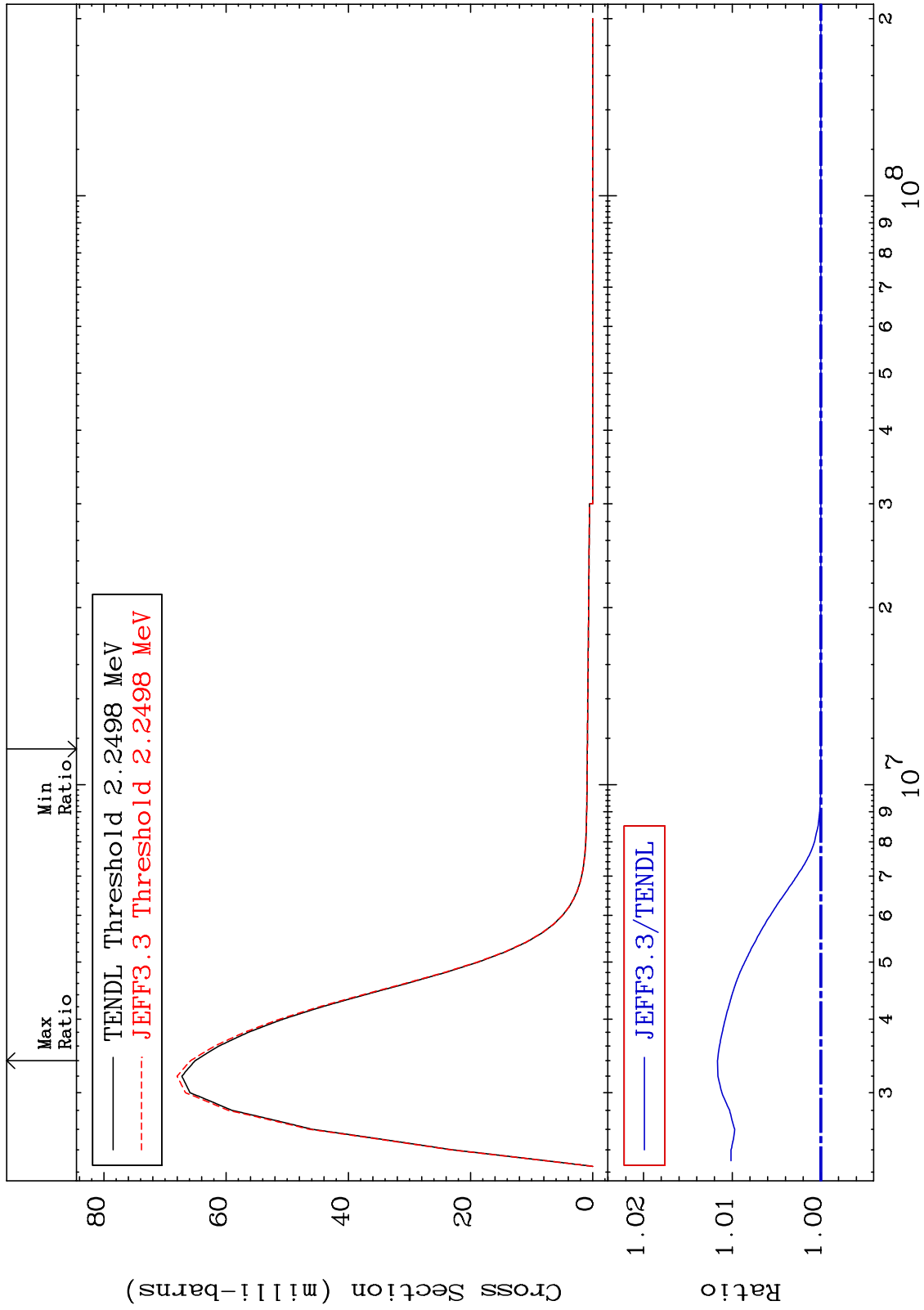


40

Incident Energy (eV)

84-Po-209

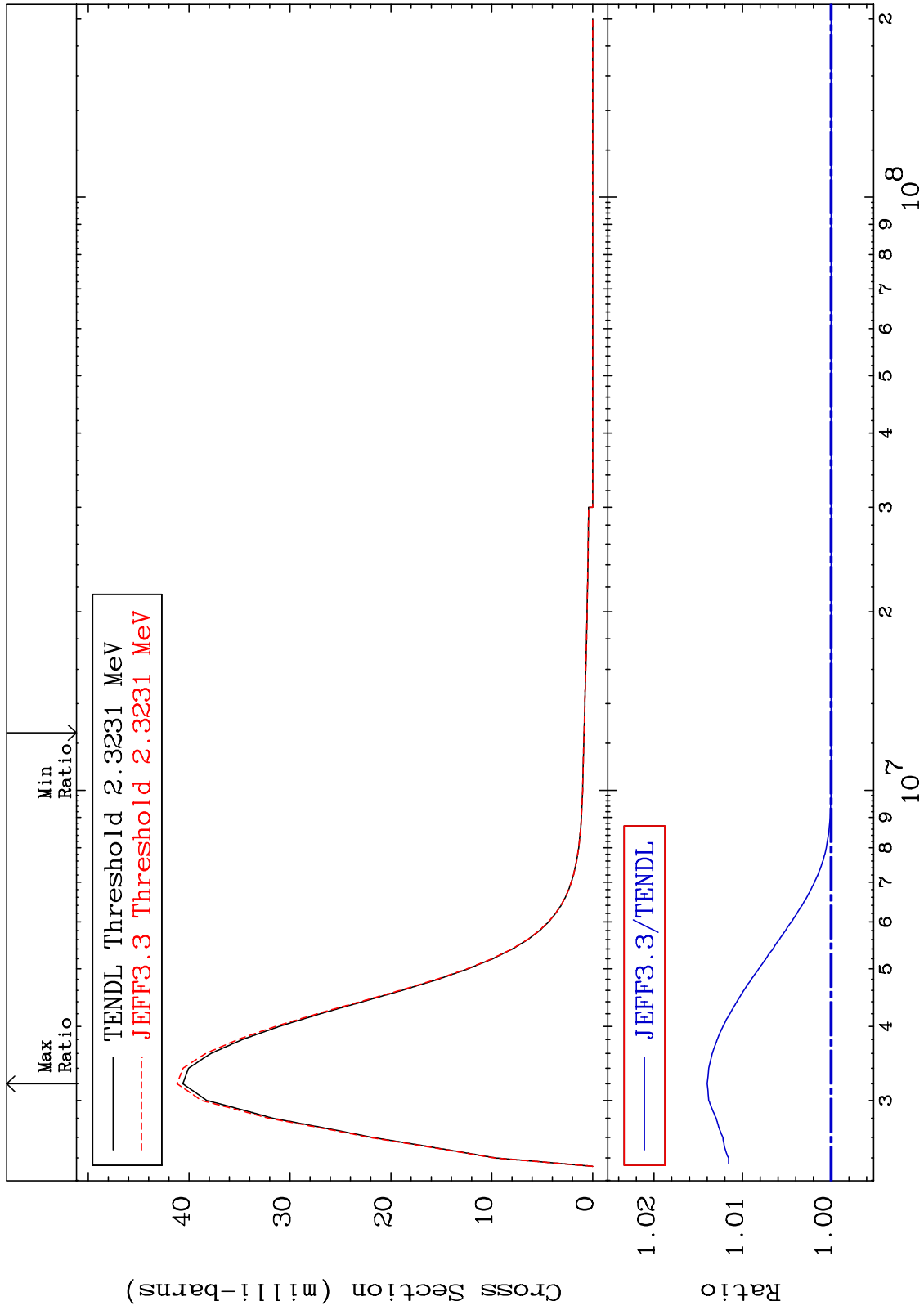
MAT 8434 MT= 70 (n,n') Level Cross Section 84-Po-209 To 1.166 %
 0.000



84-Po-209

Incident Energy (eV)

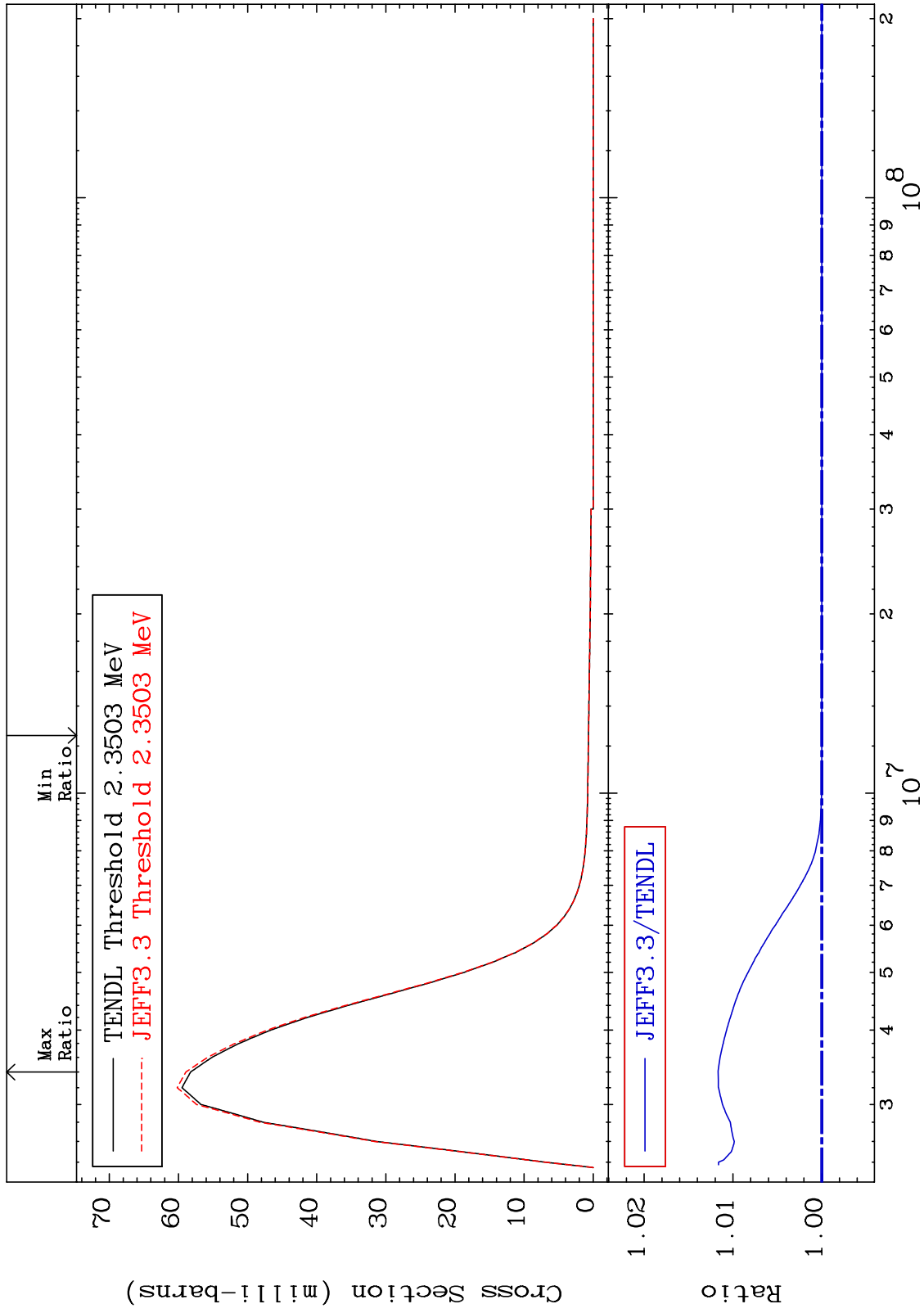
MAT 8434 MT= 71 (n,n') Level Cross Section 84-Po-209
 0.000 To 1.399 %

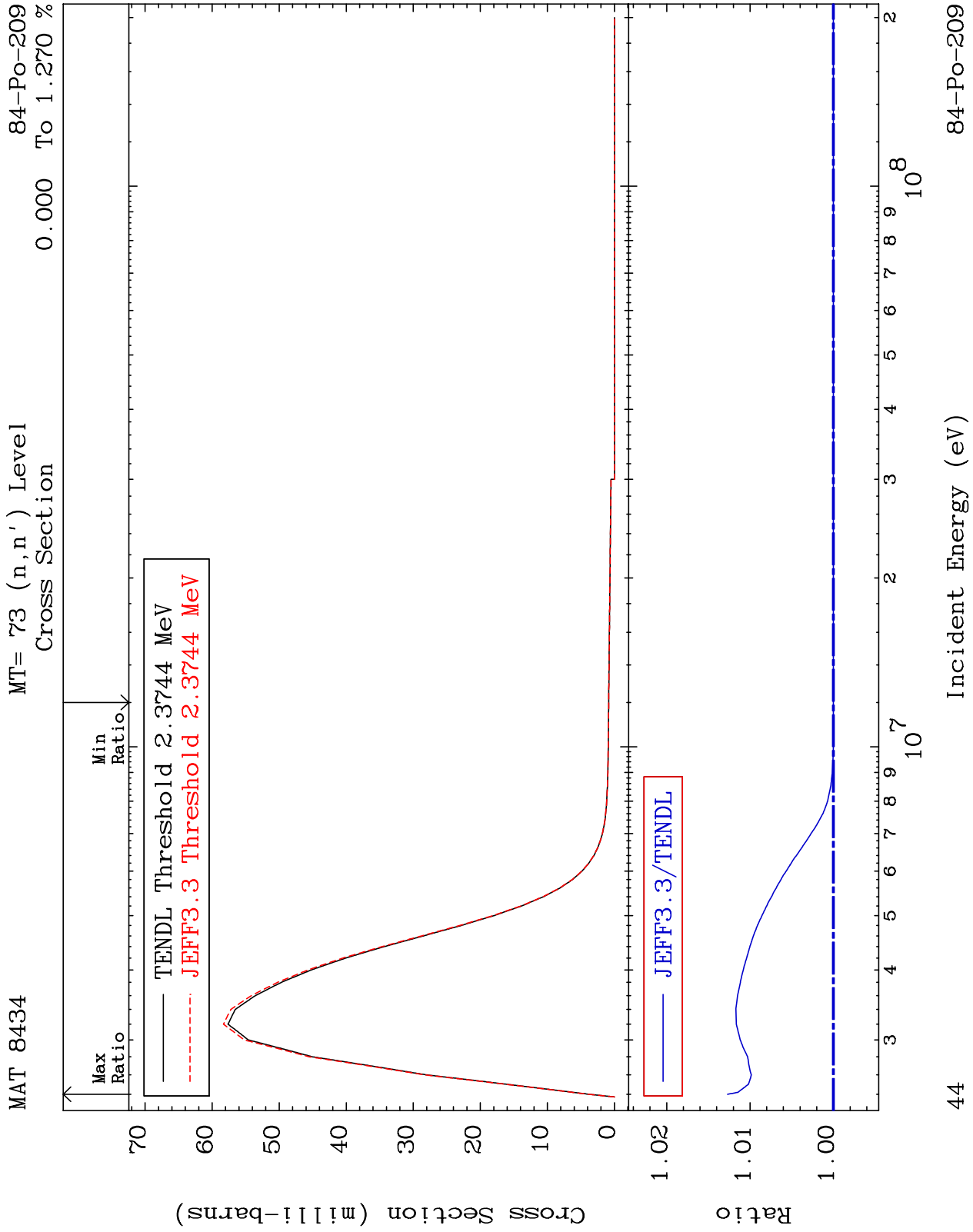


MAT 8434

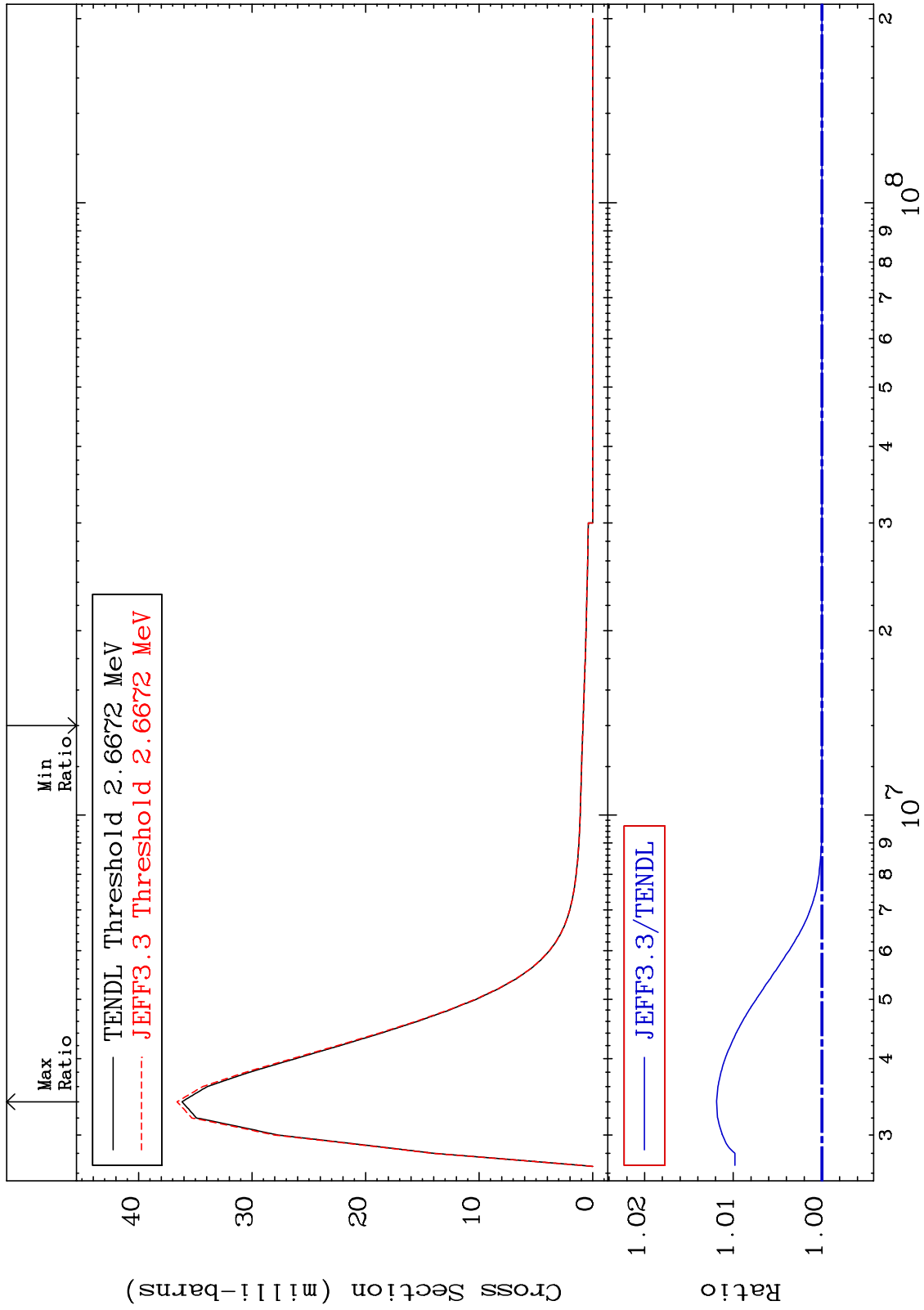
MT= 72 (n,n') Level
Cross Section

84-Po-209
0.000 To 1.168 %

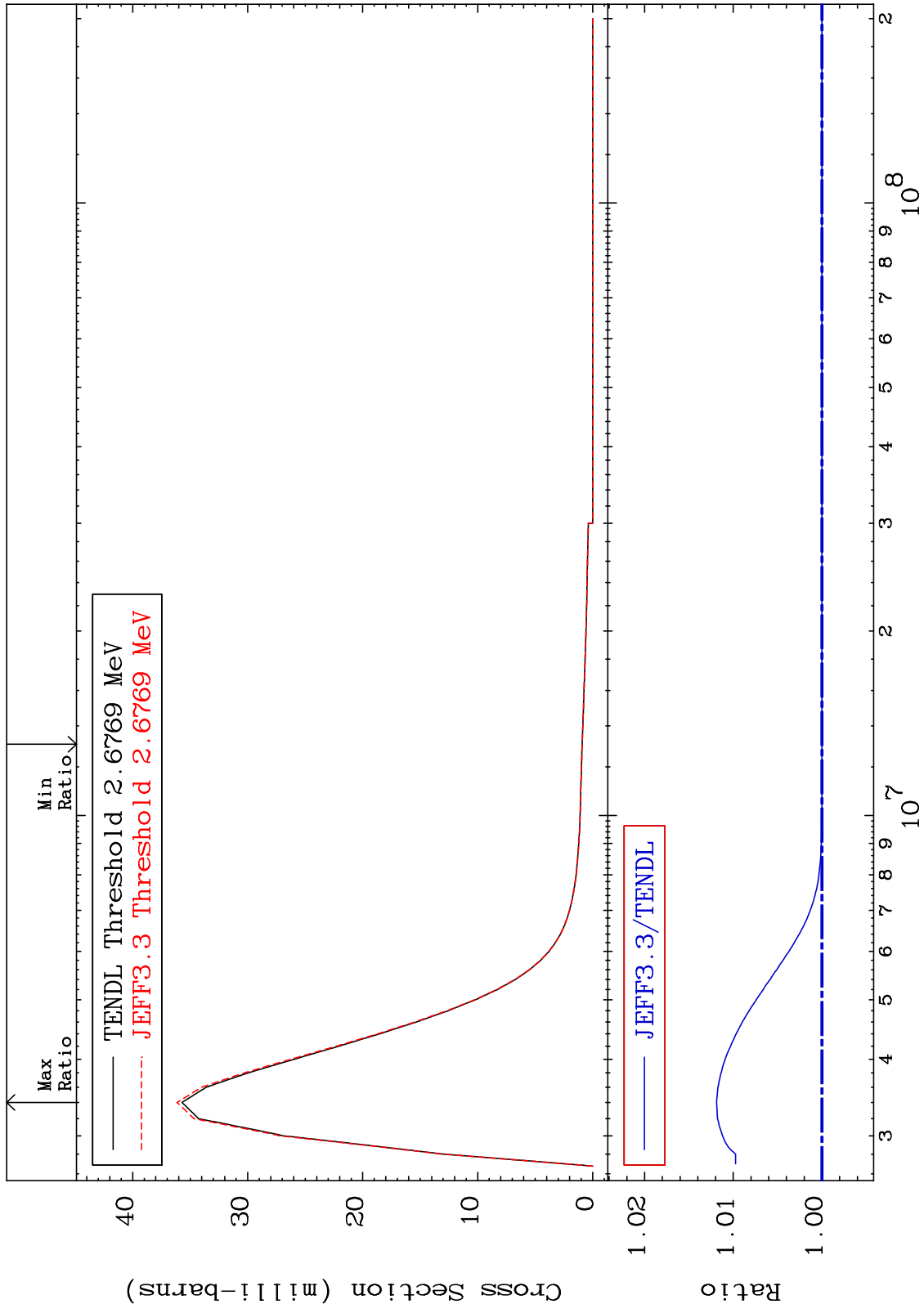




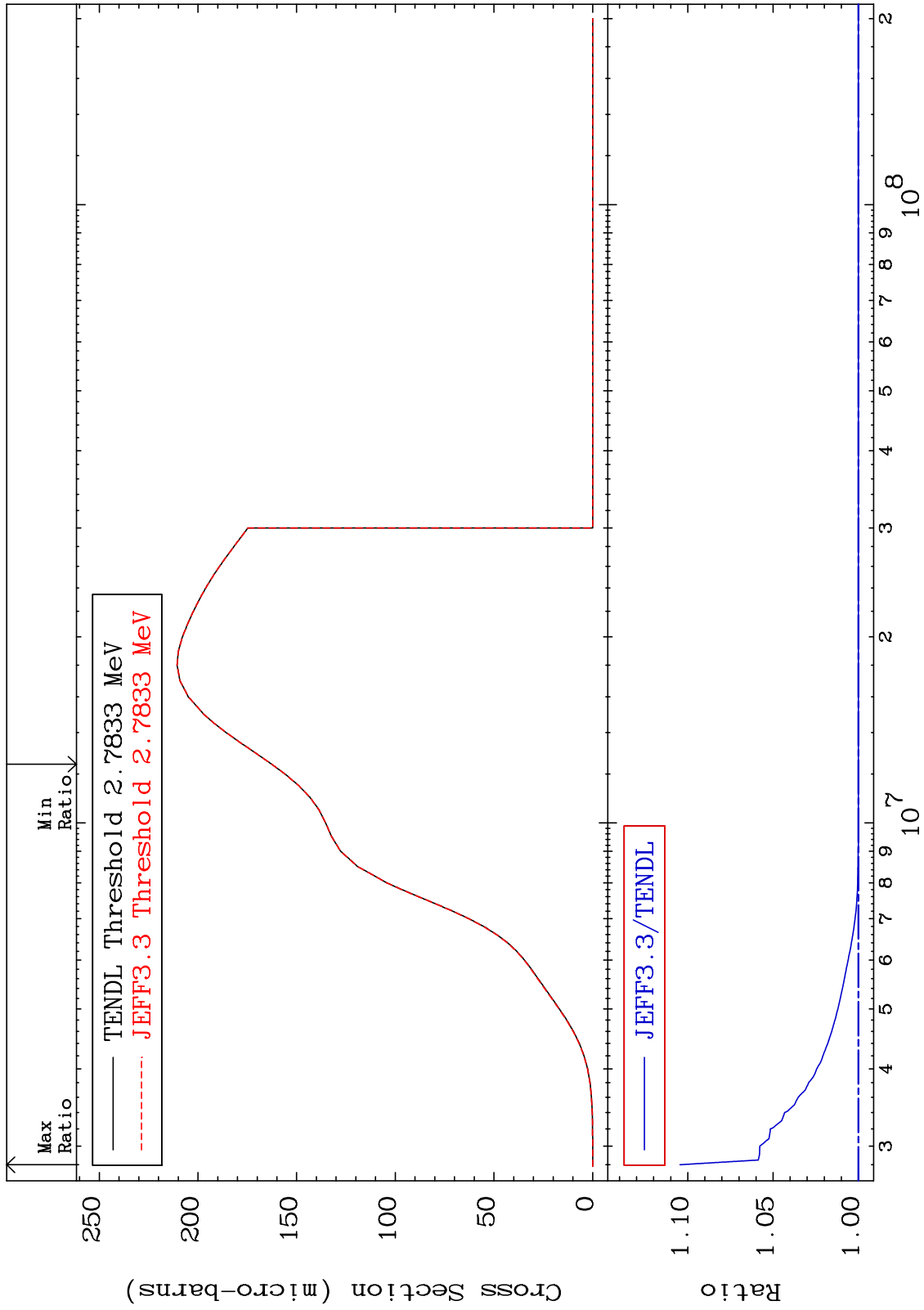
MAT 8434 MT= 74 (n,n') Level Cross Section 84-Po-209 To 1.189 %



MAT 8434 MT= 75 (n,n') Level Cross Section 84-Po-209 To 1.189 %
 0.000



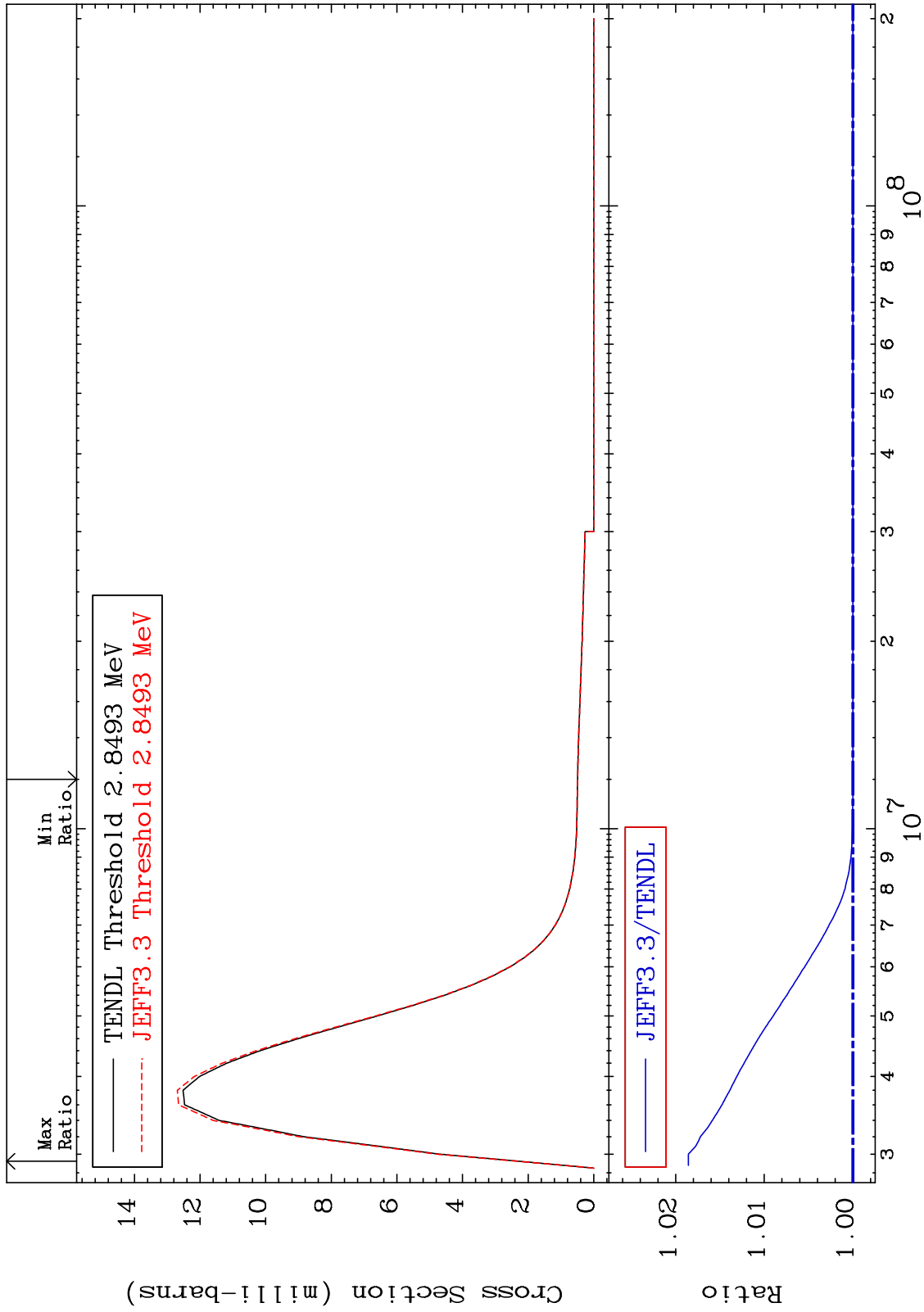
MAT 8434 MT= 76 (n,n') Level Cross Section 84-Po-209 To 10.45 %
 0.000



MAT 8434

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

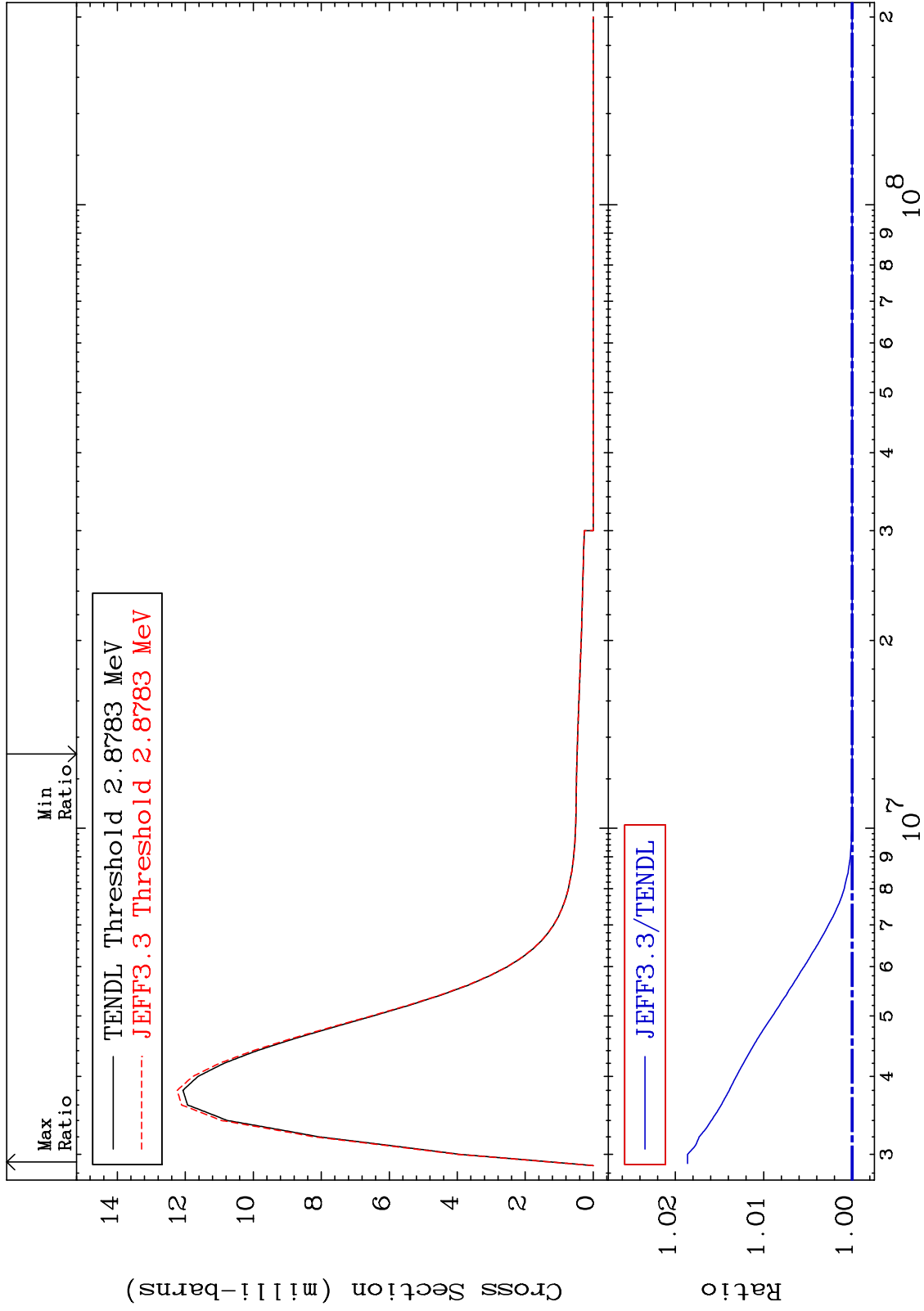
84-Po-209
0.000 To 1.858 %



MAT 8434

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

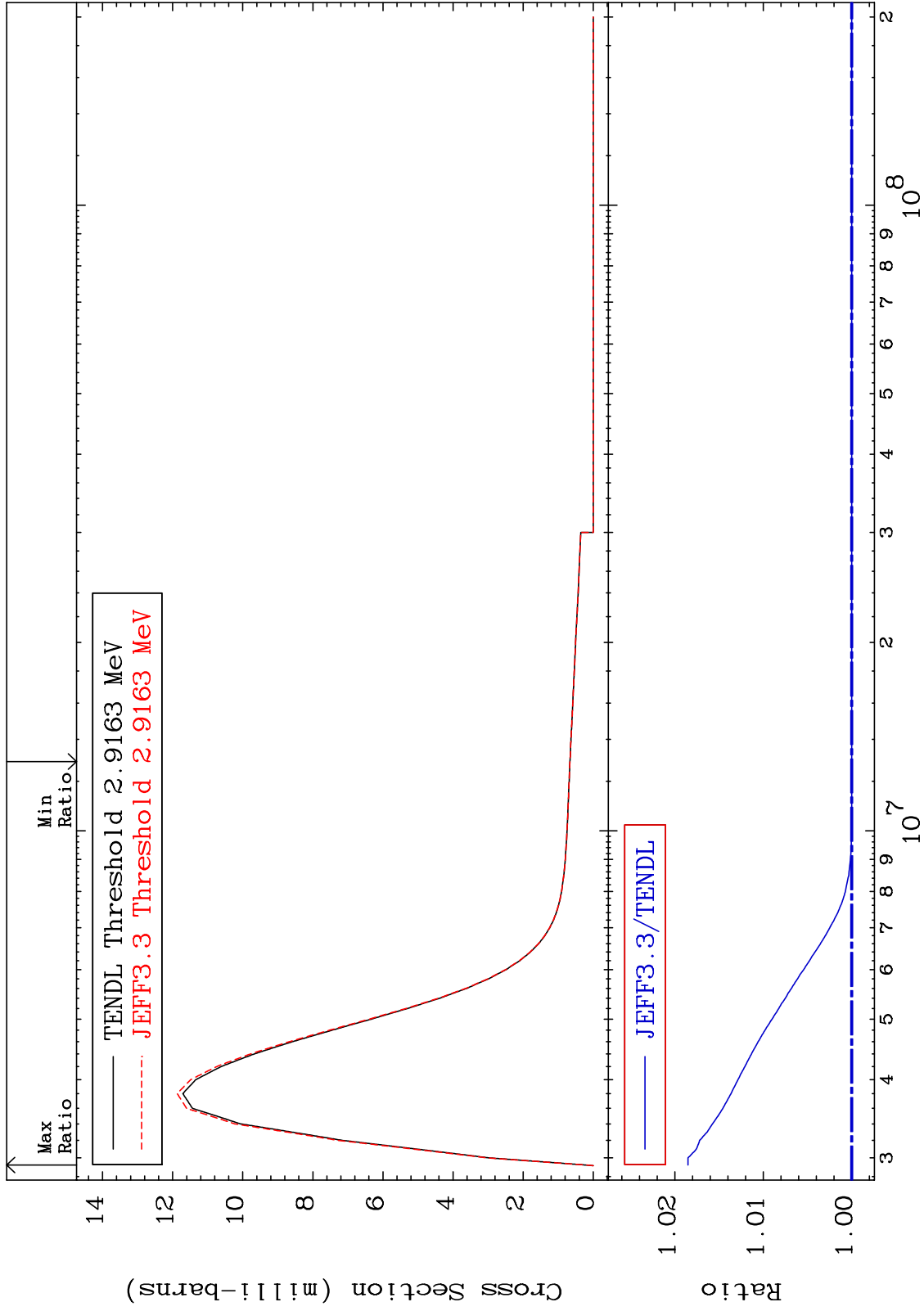
84-Po-209
0.000 To 1.860 %



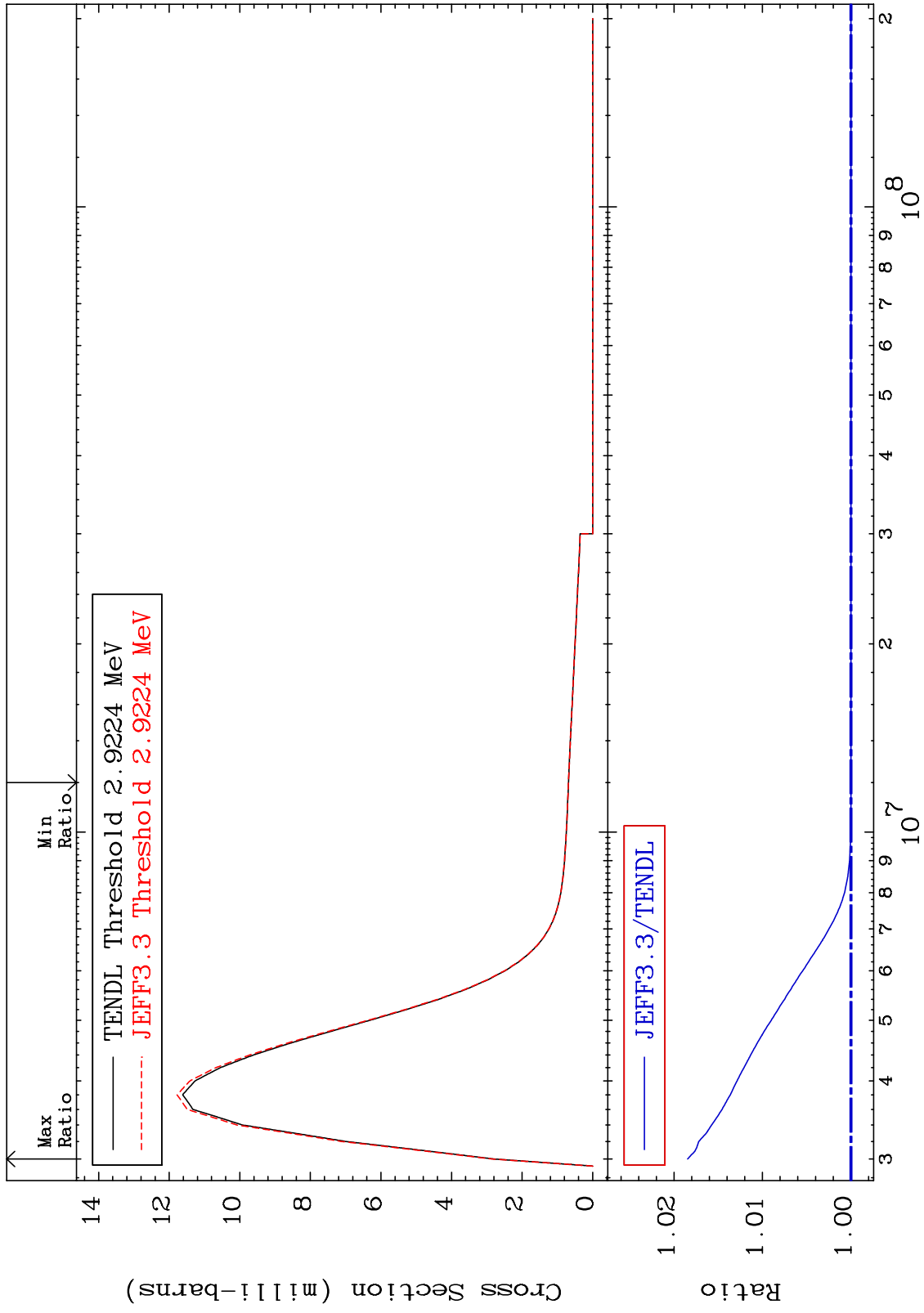
MAT 8434

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

84-Po-209
0.000 To 1.851 %



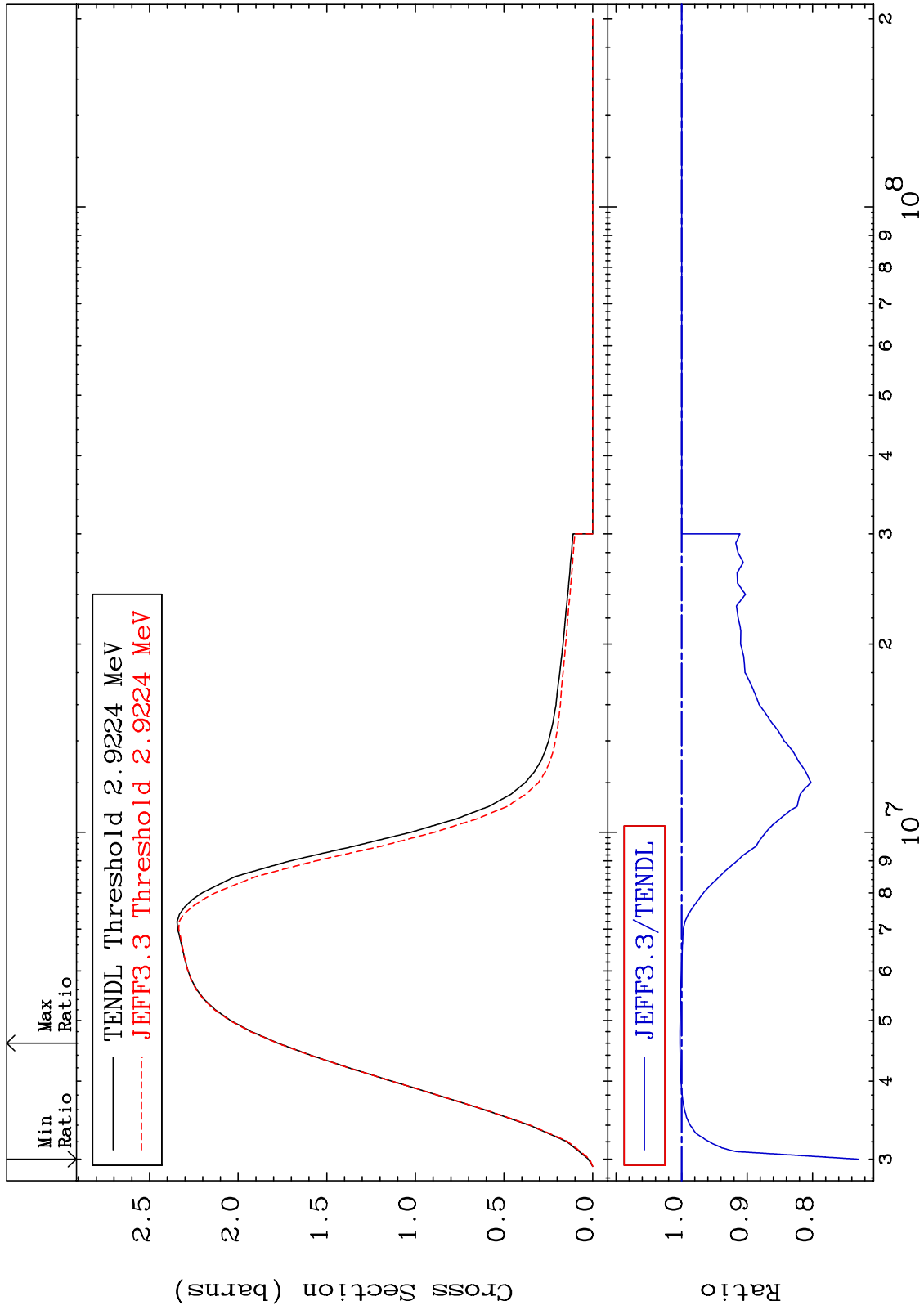
MAT 8434 MT= 80 (n,n') Level Cross Section 84-Po-209 To 1.848 %
 0.000



MAT 8434

(n, n') Continuum
Cross Section

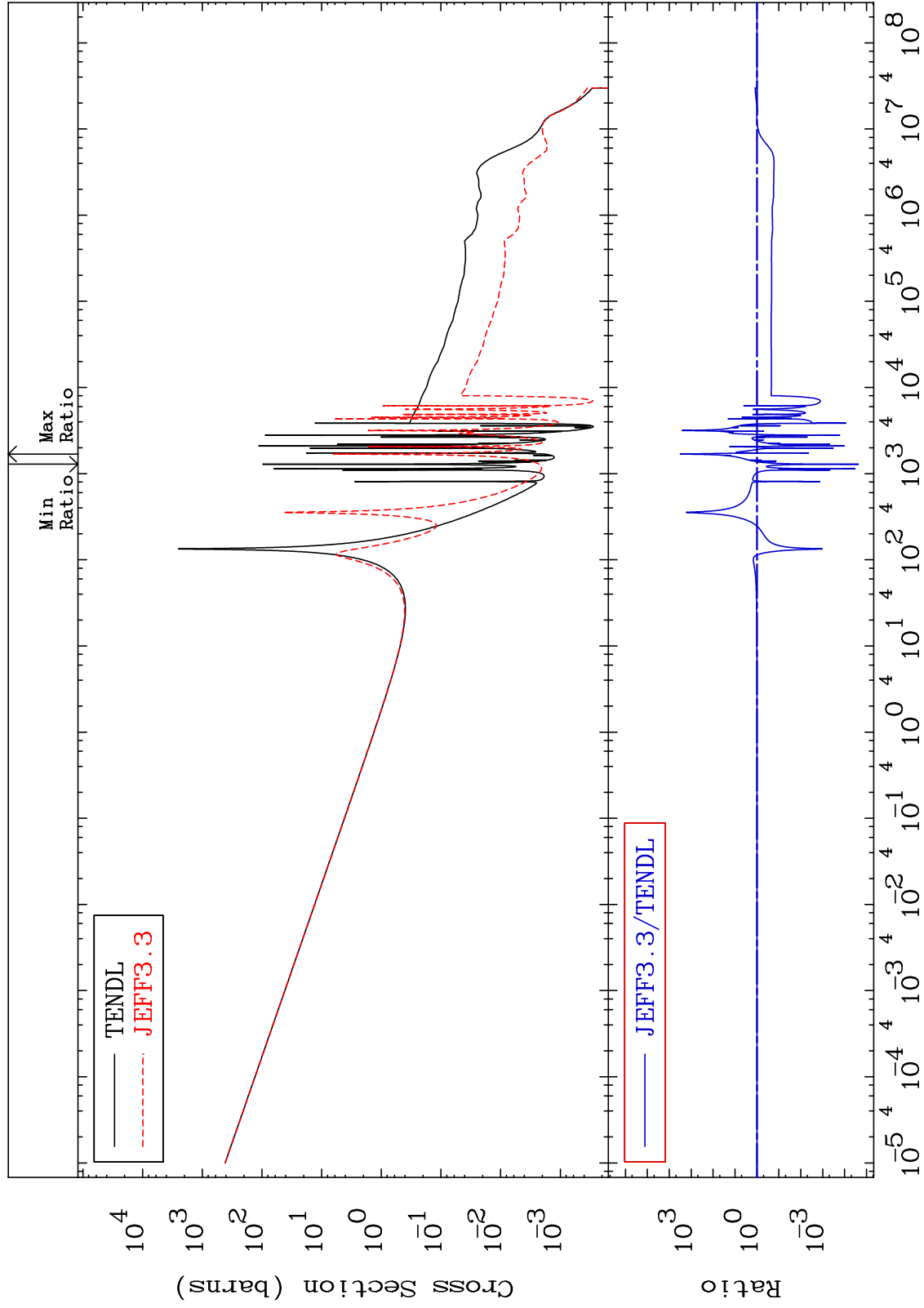
84-Po-209
-27.00 To 0.243 %



MAT 8434

(n, γ)
Cross Section

84-Po-209
-100.0 To 9999. %



53

Incident Energy (eV)

84-Po-209

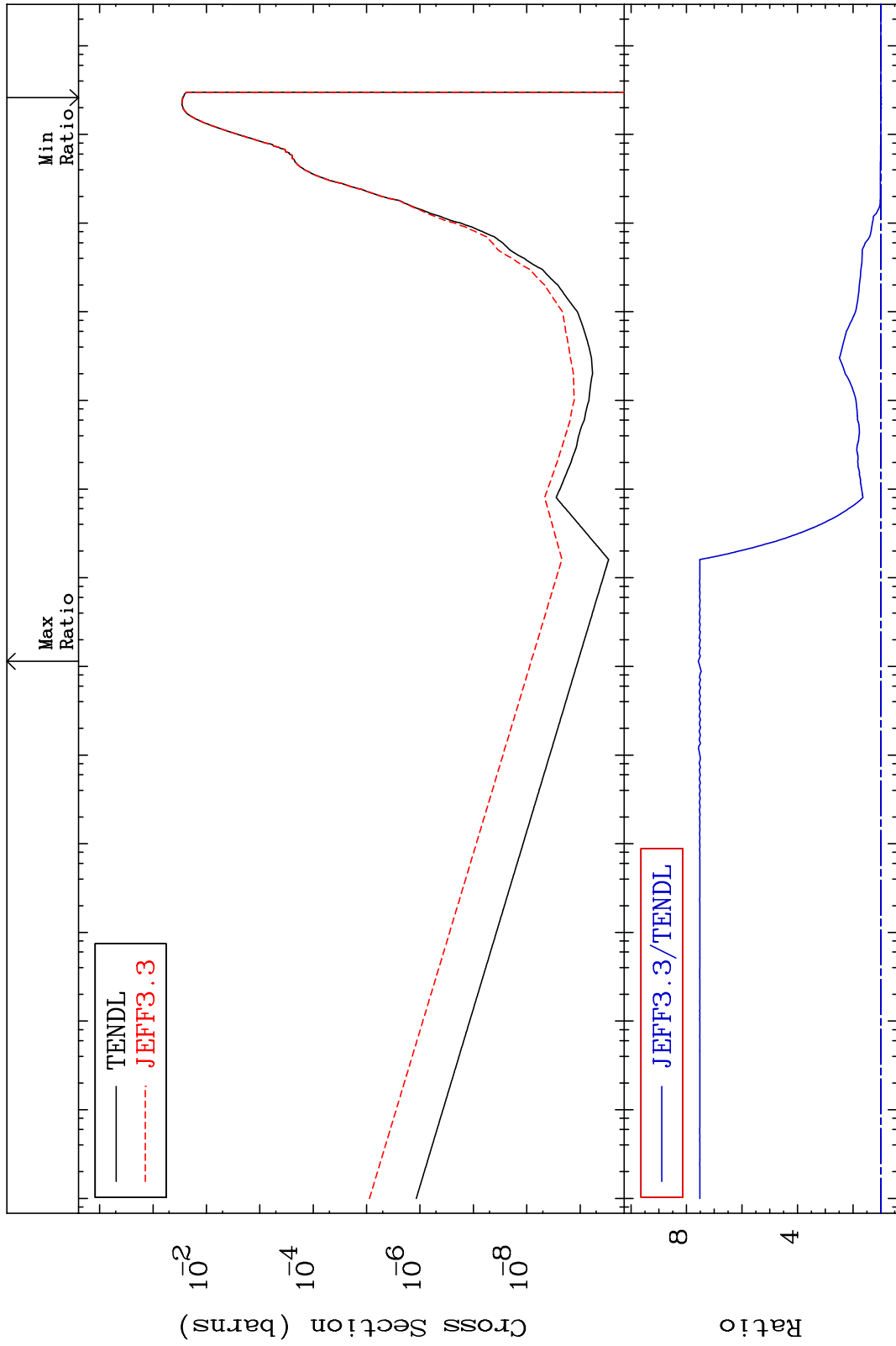
MAT 8434

(n,p)

84-Po-209

Cross Section

-2.899 To 657.4 %



Incident Energy (eV)

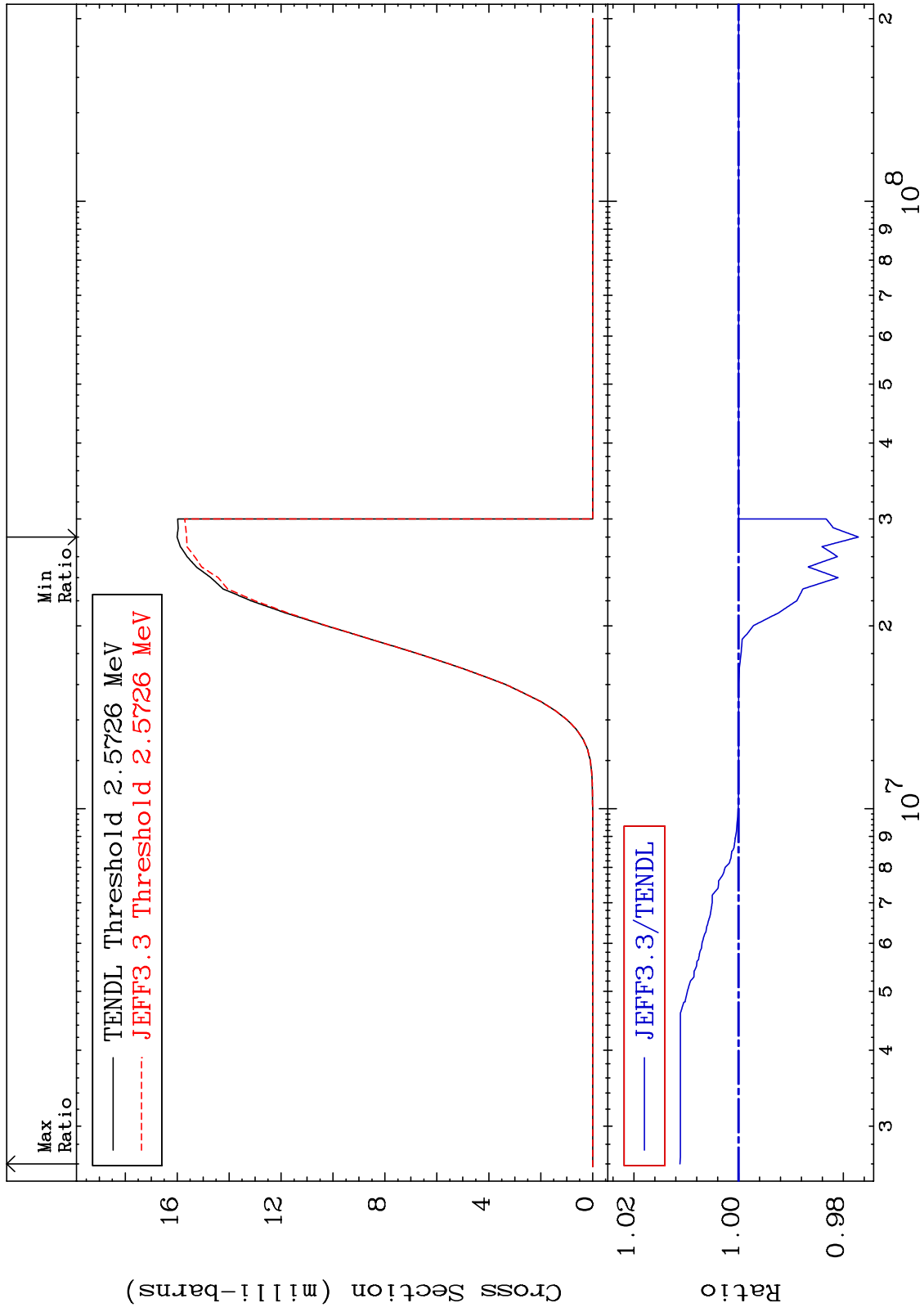
MAT 8434

(n, d)

84-Po-209

Cross Section

-2.289 To 1.118 %



55

Incident Energy (eV)

84-Po-209

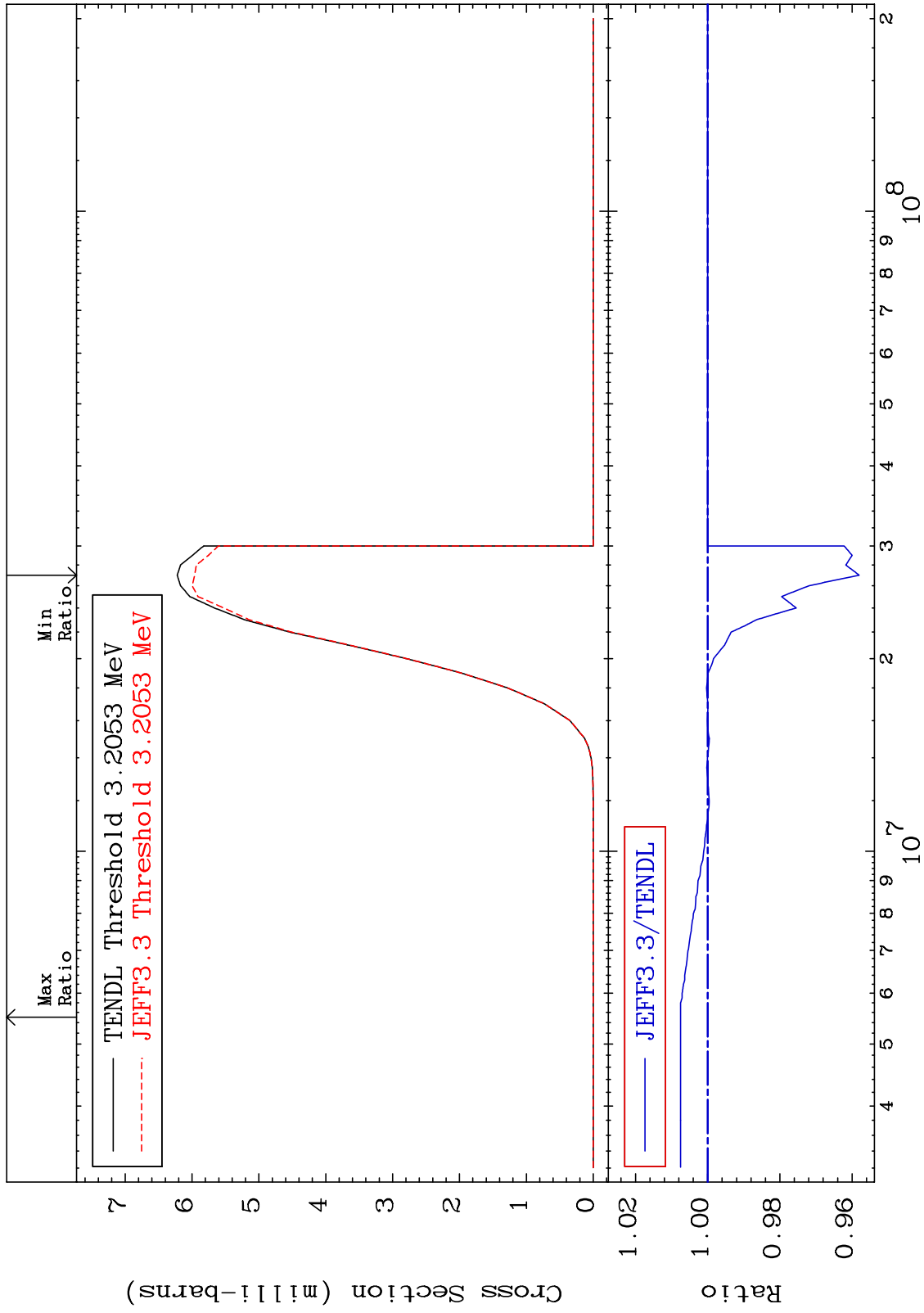
MAT 8434

(n, t)

84-Po-209

Cross Section

-4.197 To 0.749 %



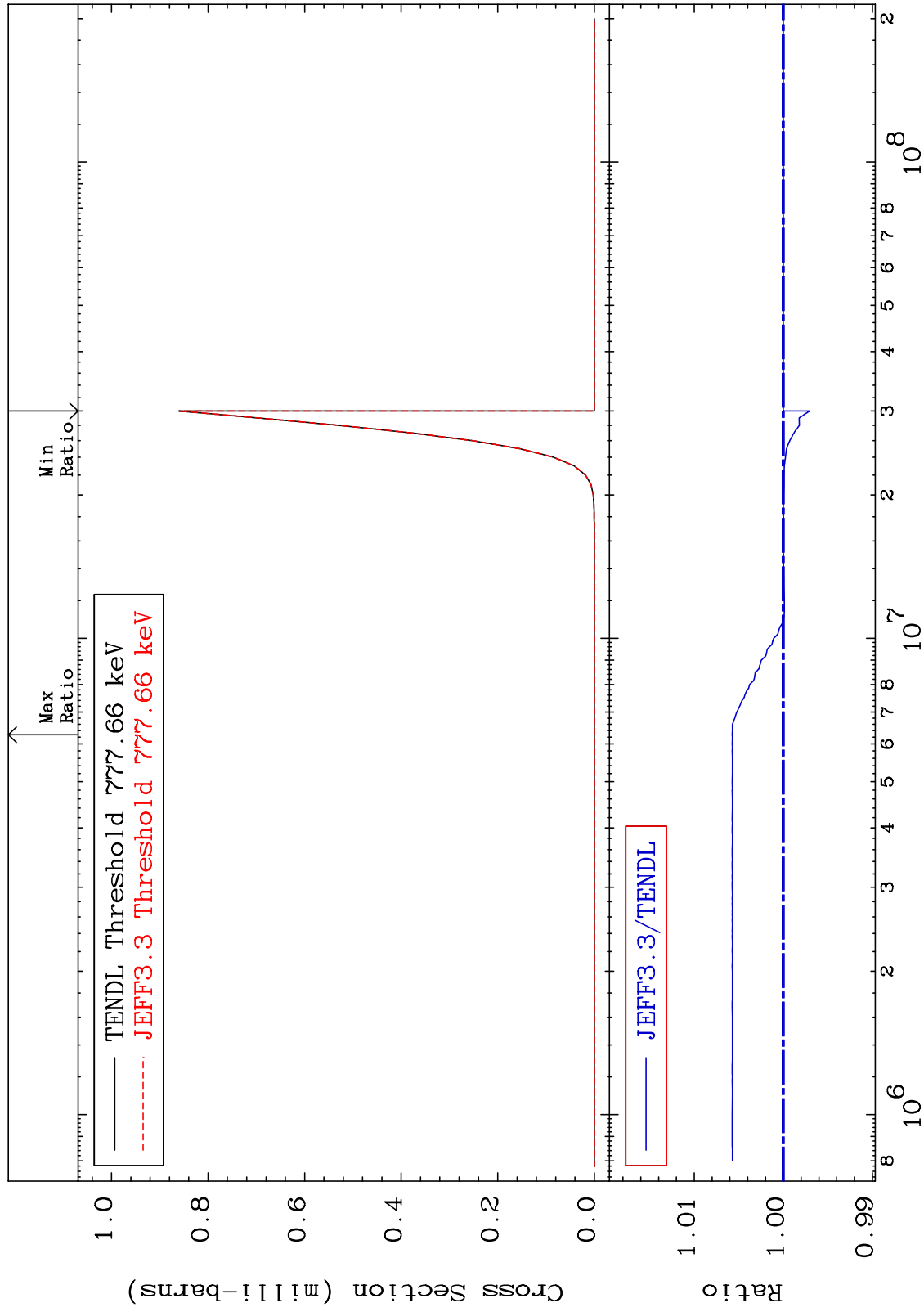
MAT 8434

(n, He-3)

84-Po-209

Cross Section

-0.294 To 0.573 %



57

Incident Energy (eV)

84-Po-209

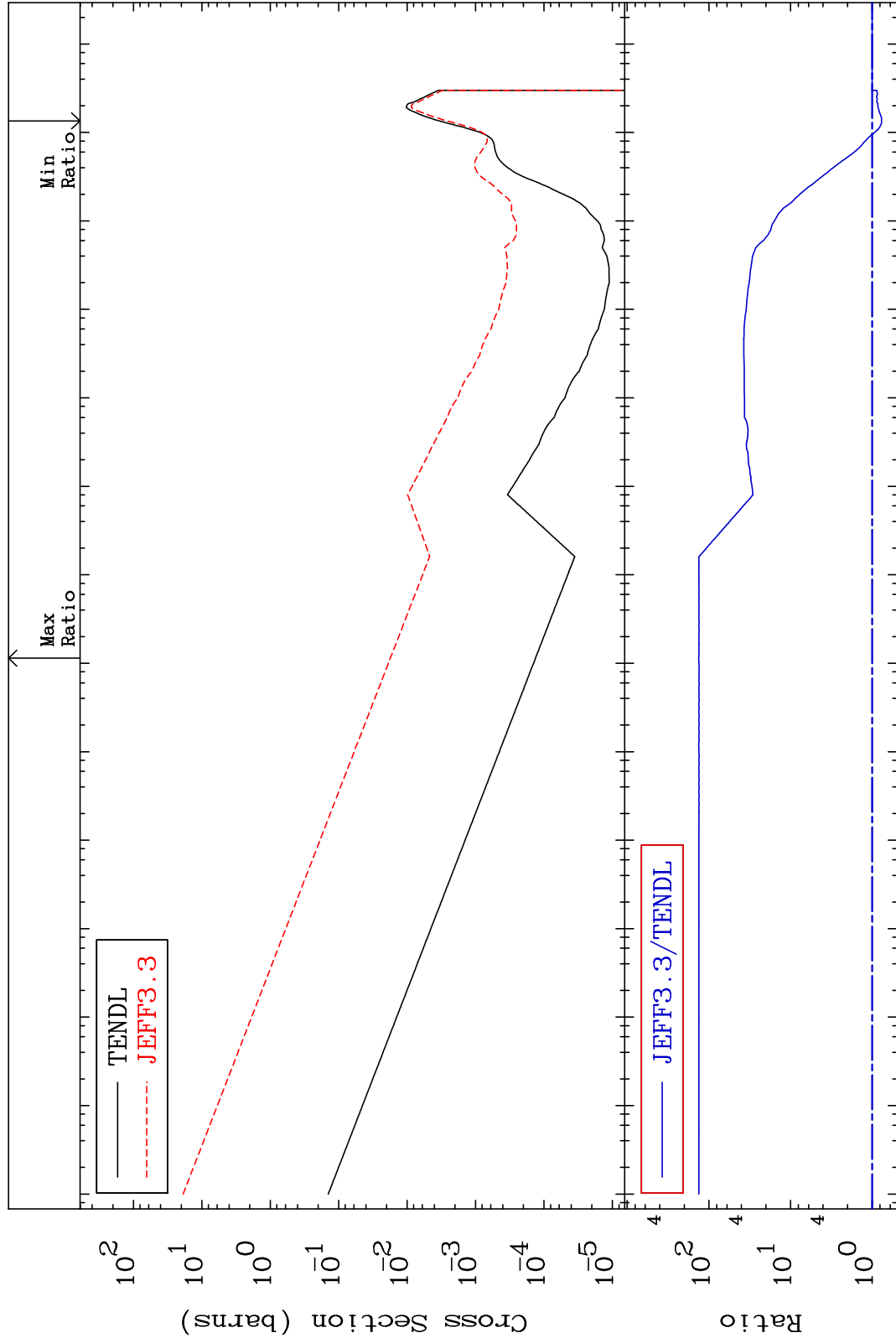
MAT 8434

(n, α)

84-Po-209

-23.32 To 9999. %

Cross Section



Incident Energy (eV)

84-Po-209

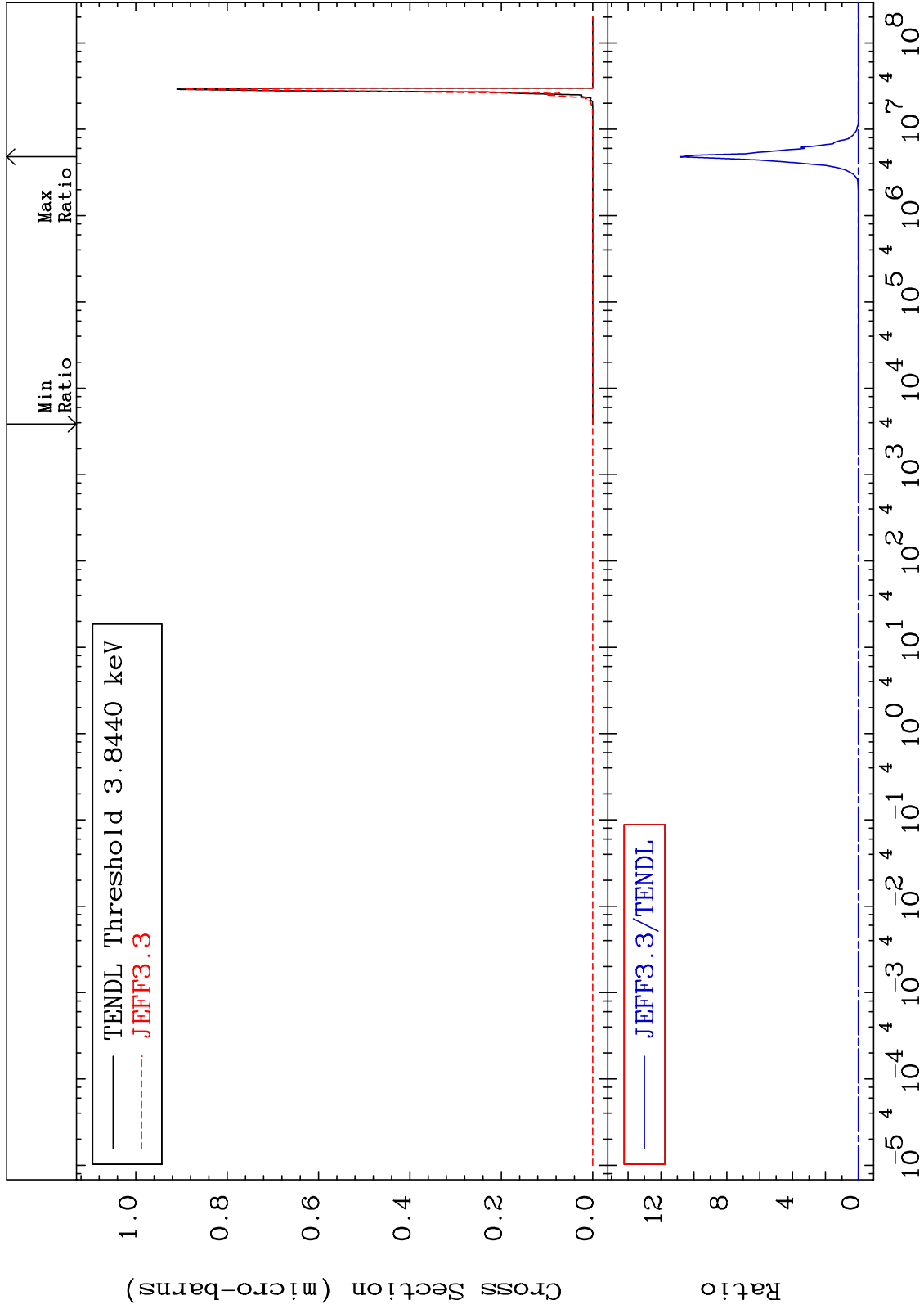
MAT 8434

(n,2α)

84-Po-209

Cross Section

-100.0 To 9999. %



59

Incident Energy (eV)

84-Po-209

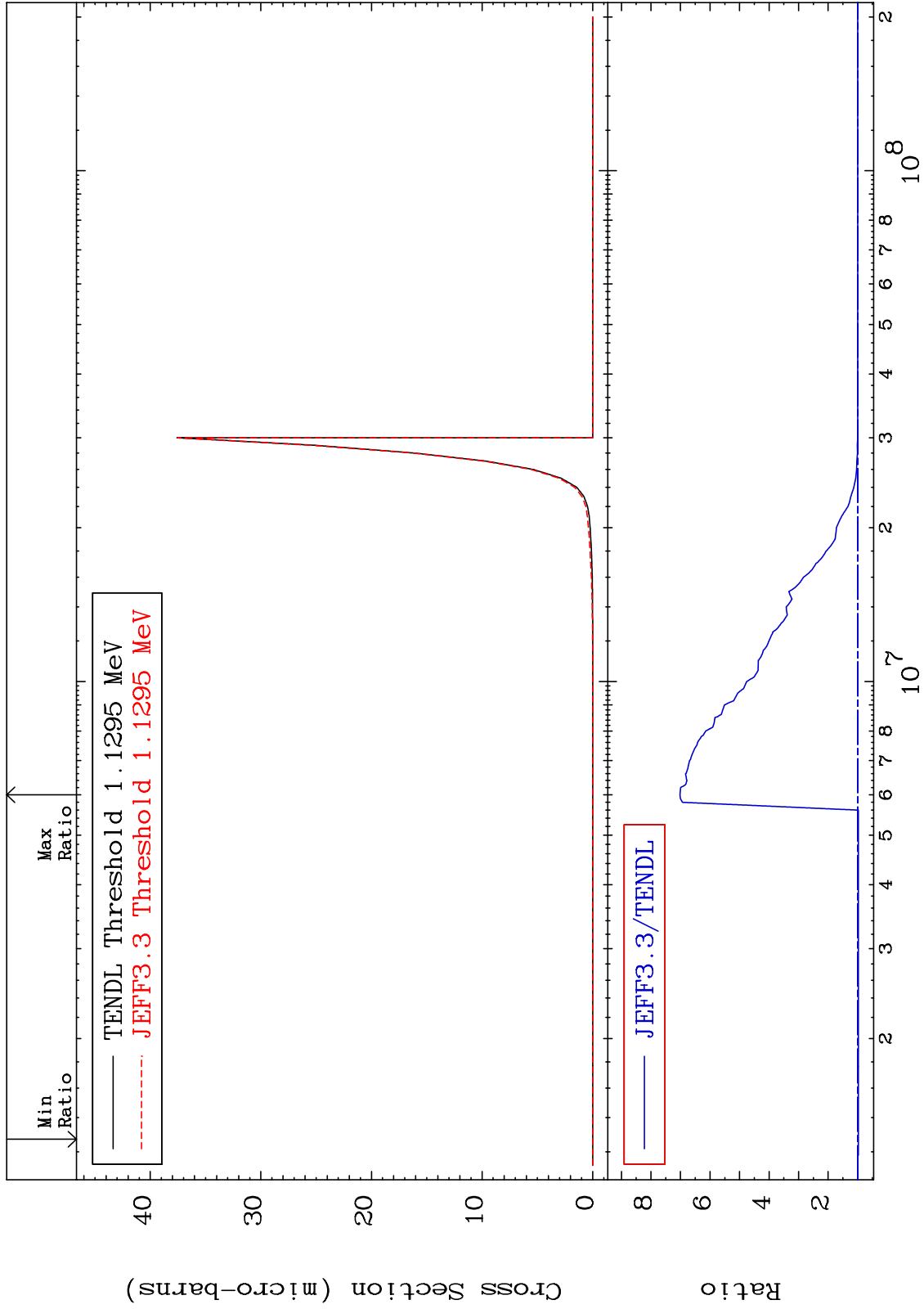
MAT 8434

(n,2p)

84-Po-209

Cross Section

-2.547 To 601.6 %



60

84-Po-209

84-Po-209

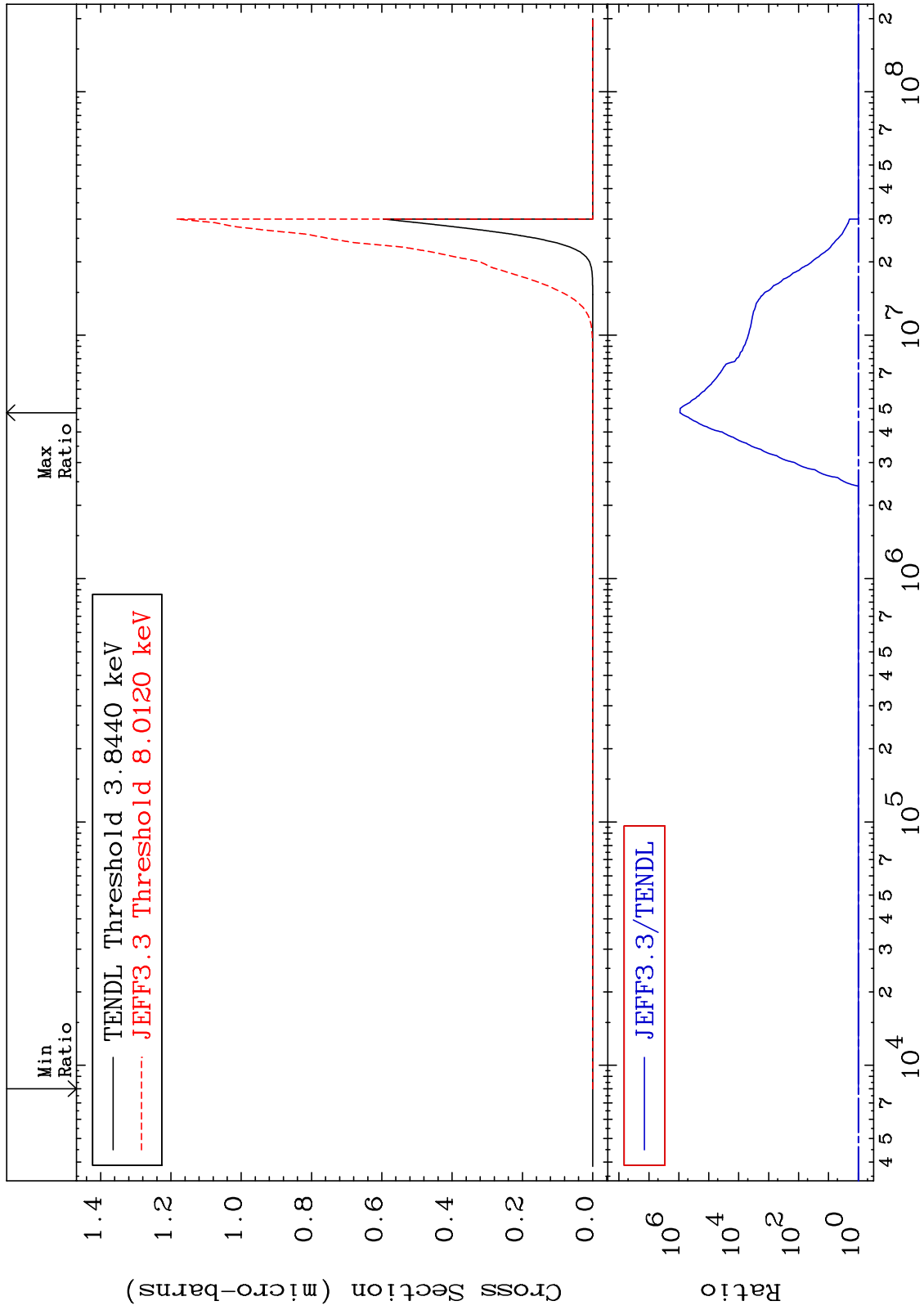
MAT 8434

(n,p) α

84-Po-209

Cross Section

0.000 To 9999. %



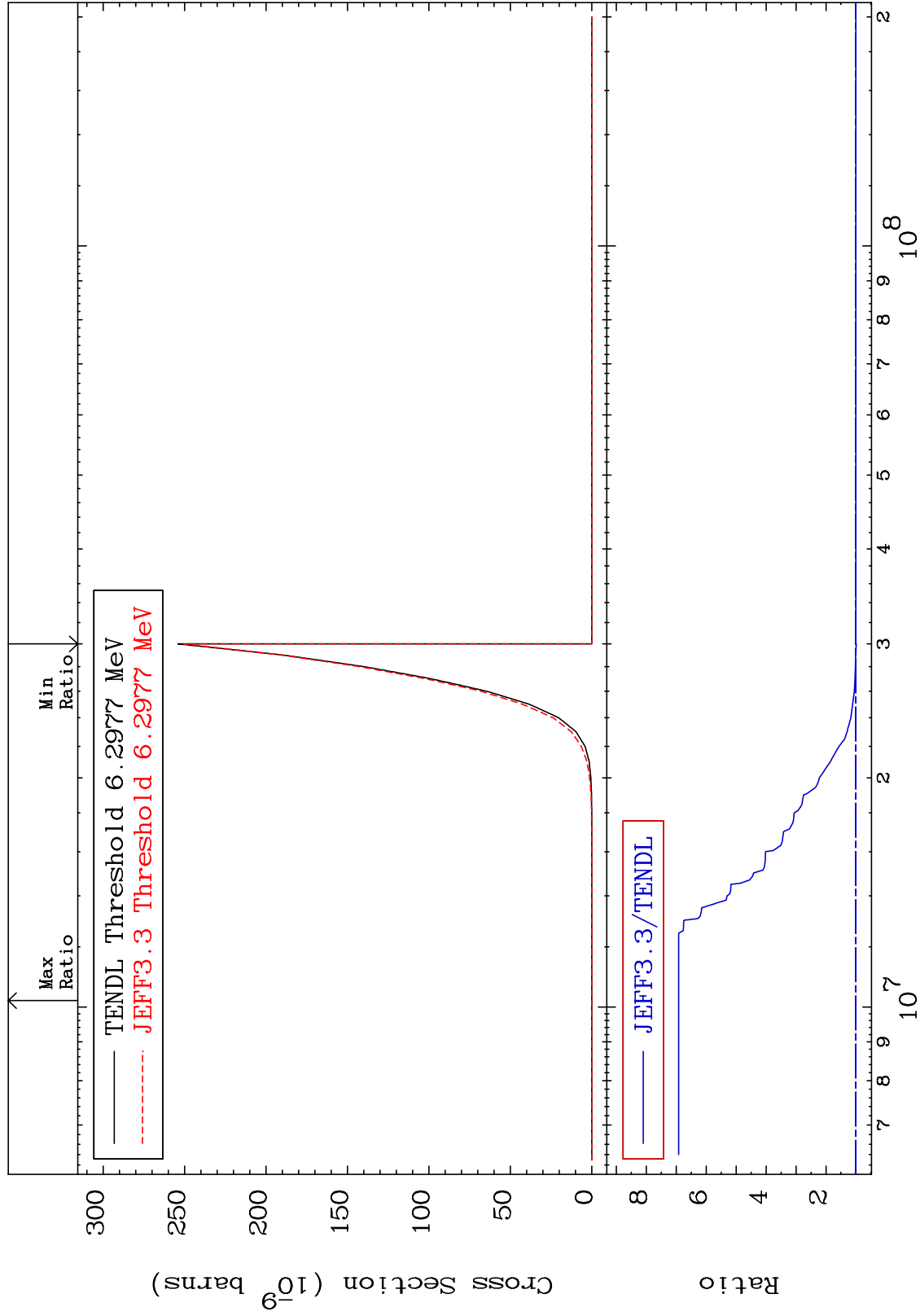
MAT 8434

(n,p) d

84-Po-209

Cross Section

-1.343 To 591.9 %



62

Incident Energy (eV)

84-Po-209

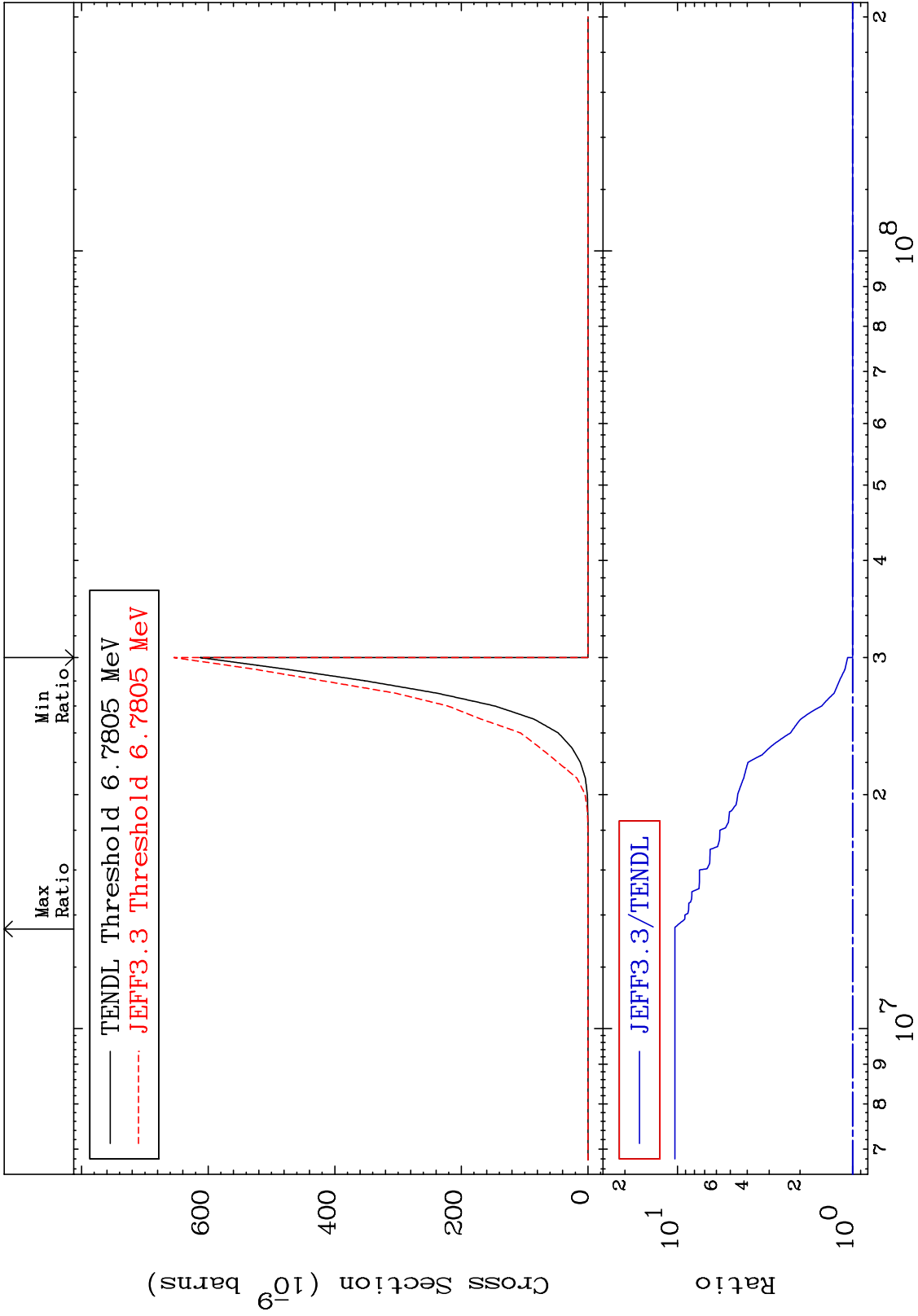
MAT 8434

(n,p) t

84-Po-209

Cross Section

0.000 To 934.9 %



63

Incident Energy (eV)

84-Po-209

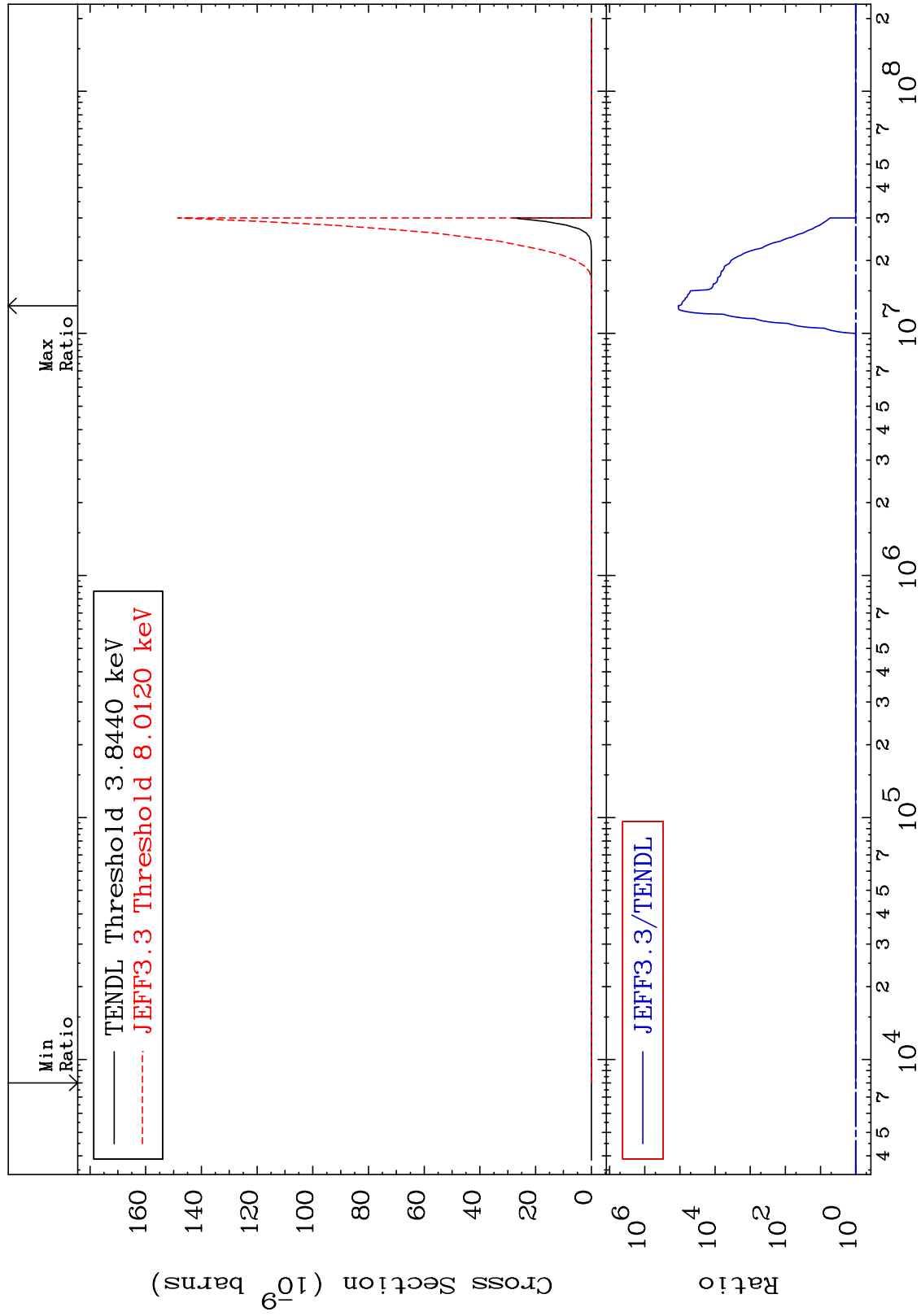
MAT 8434

(n,d) α

84-Po-209

Cross Section

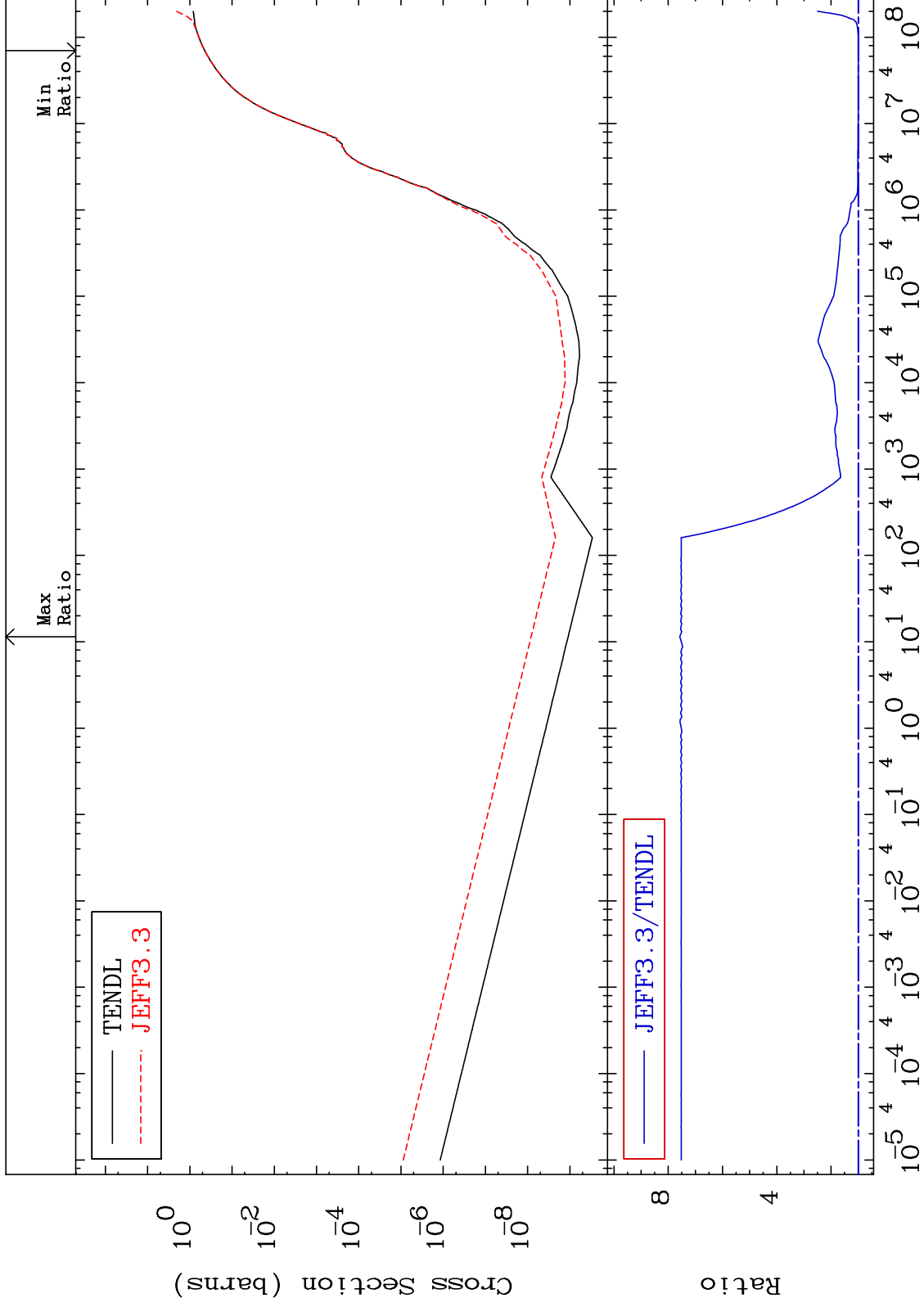
0.000 To 9999. %



MAT 8434

Hydrogen Production
Cross Section

84-Po-209
-0.5112 To 657.4 %



65

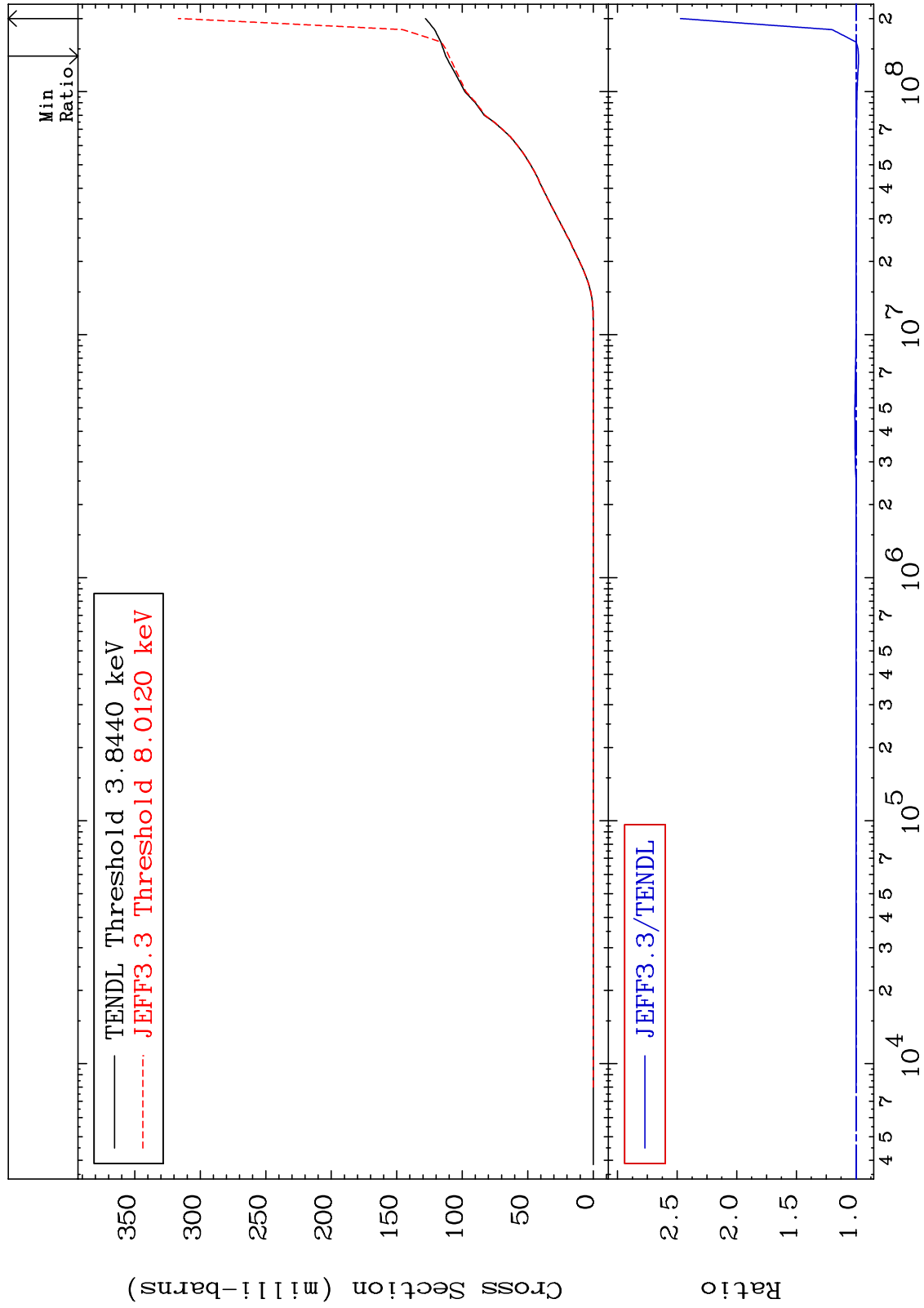
Incident Energy (eV)

84-Po-209

MAT 8434

Deuterium Production
Cross Section

84-Po-209
-2.114 To 147.2 %



66

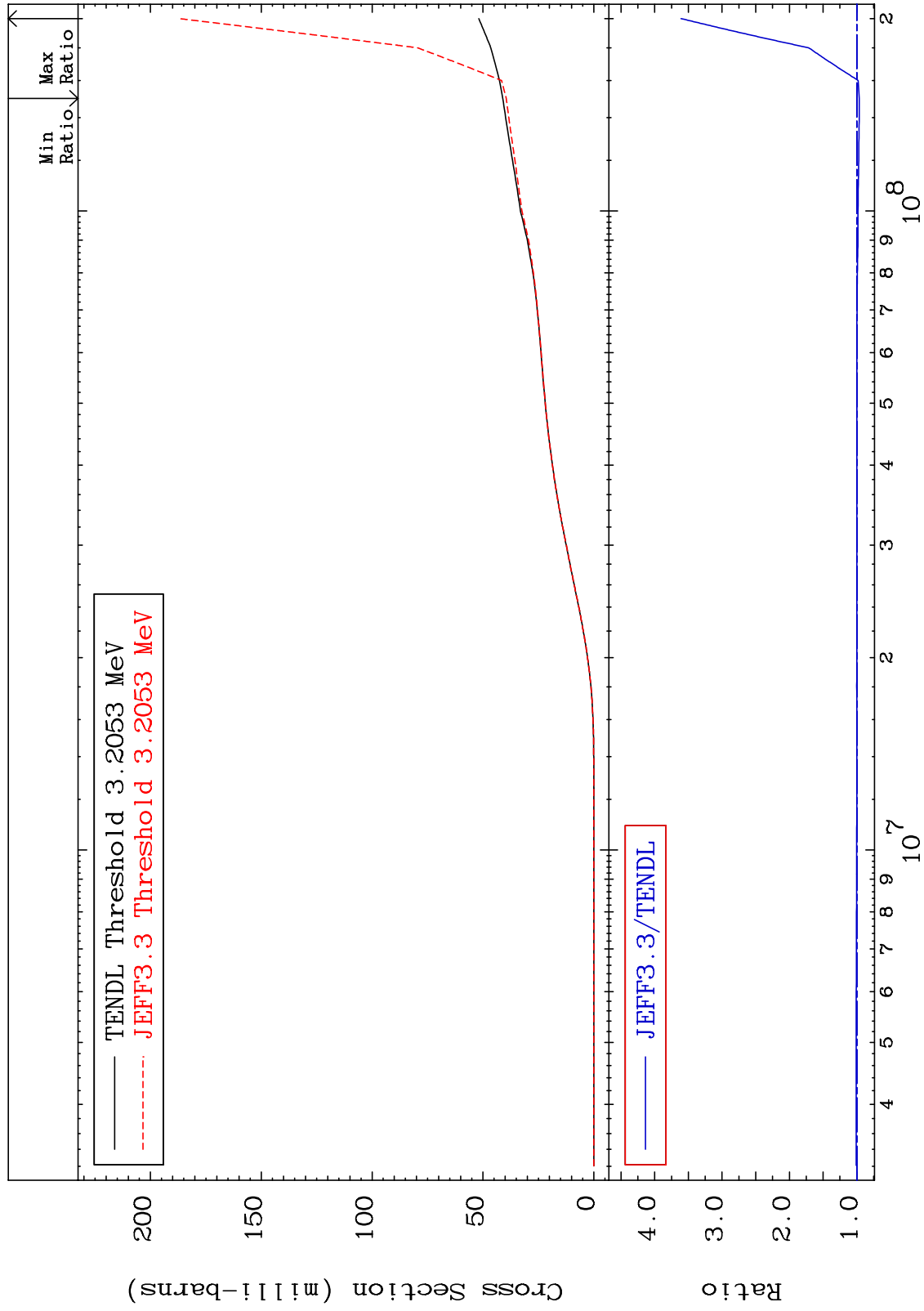
Incident Energy (eV)

84-Po-209

MAT 8434

Tritium Production
Cross Section

84-Po-209
-3.759 To 260.9 %



67

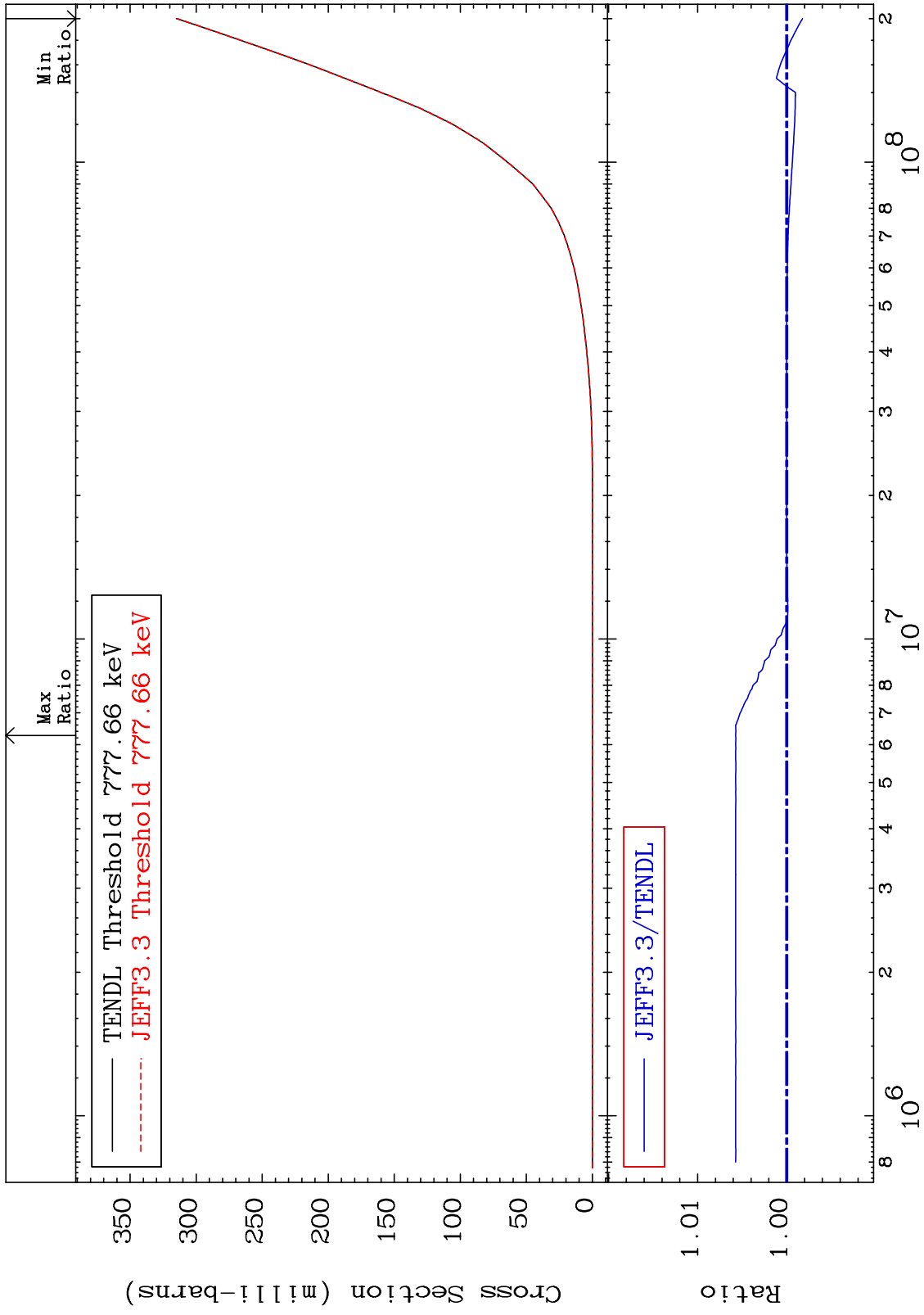
Incident Energy (eV)

84-Po-209

MAT 8434

He-3 Production
Cross Section

84-Po-209
-0.177 To 0.573 %



68

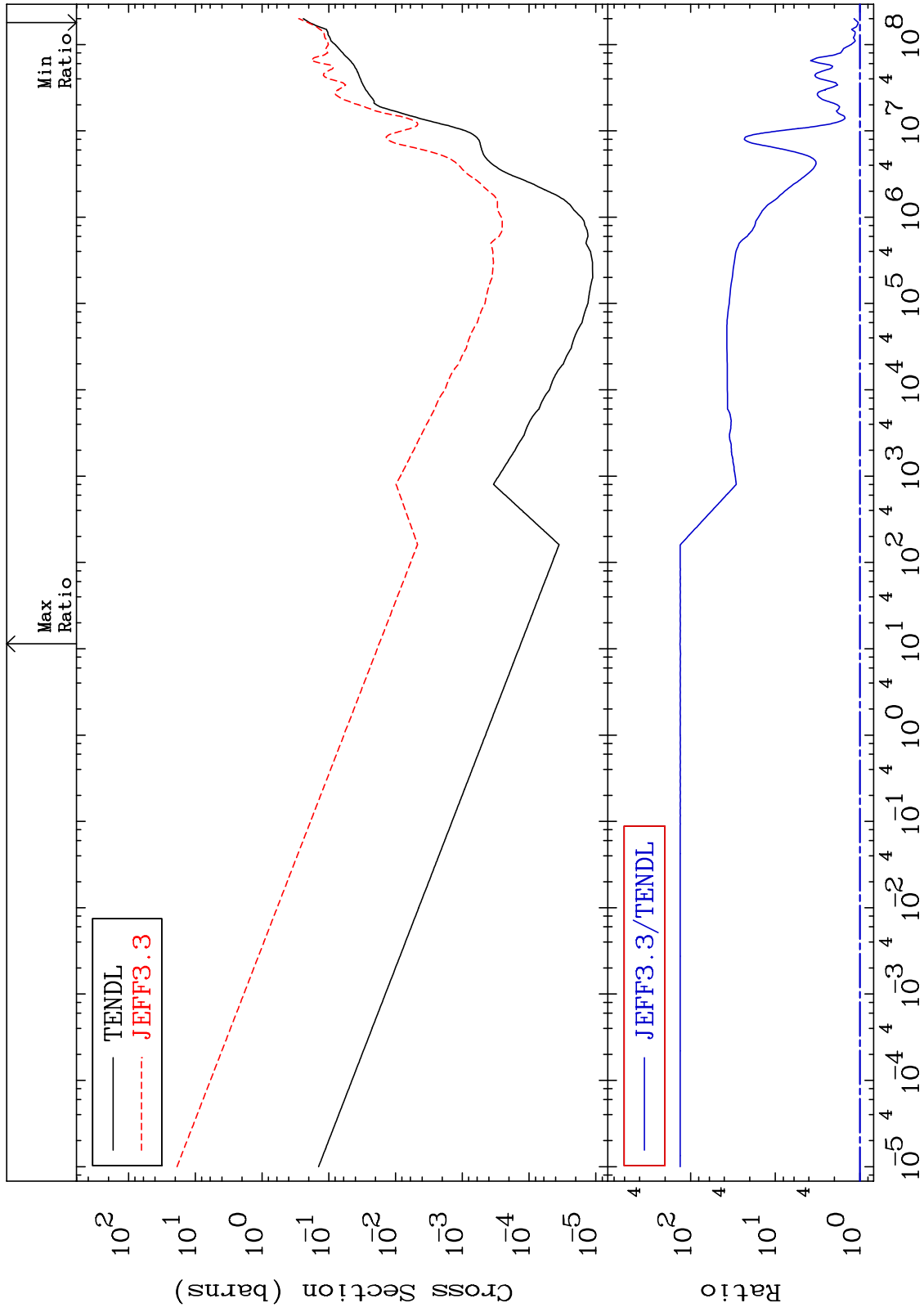
Incident Energy (eV)

84-Po-209

MAT 8434

He-4 Production
Cross Section

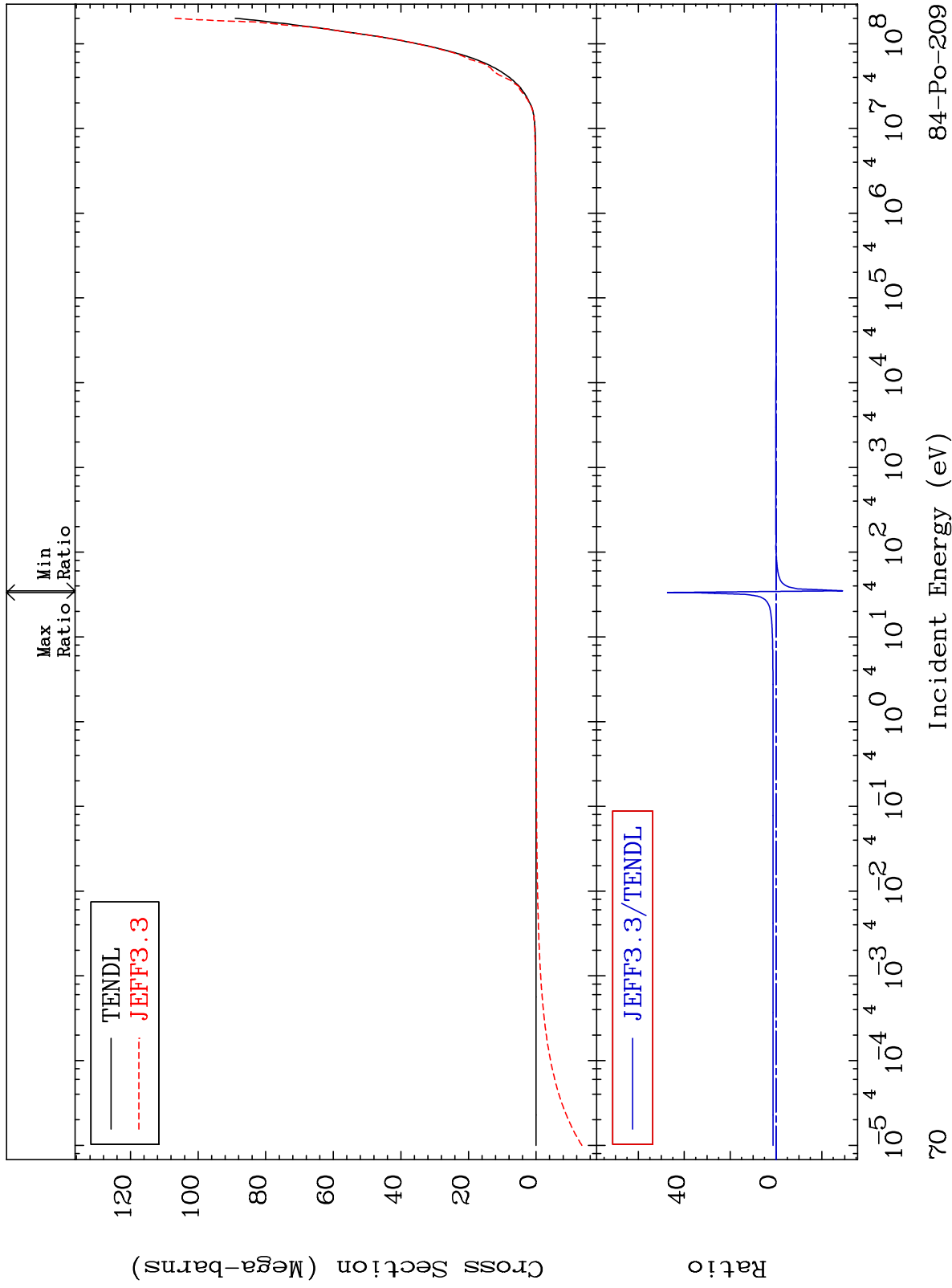
84-Po-209
3.960 To 9999. %



MAT 8434

Kerma total (eV-barns)
Cross Section

84-Po-209
-9999. To 9999. %



70

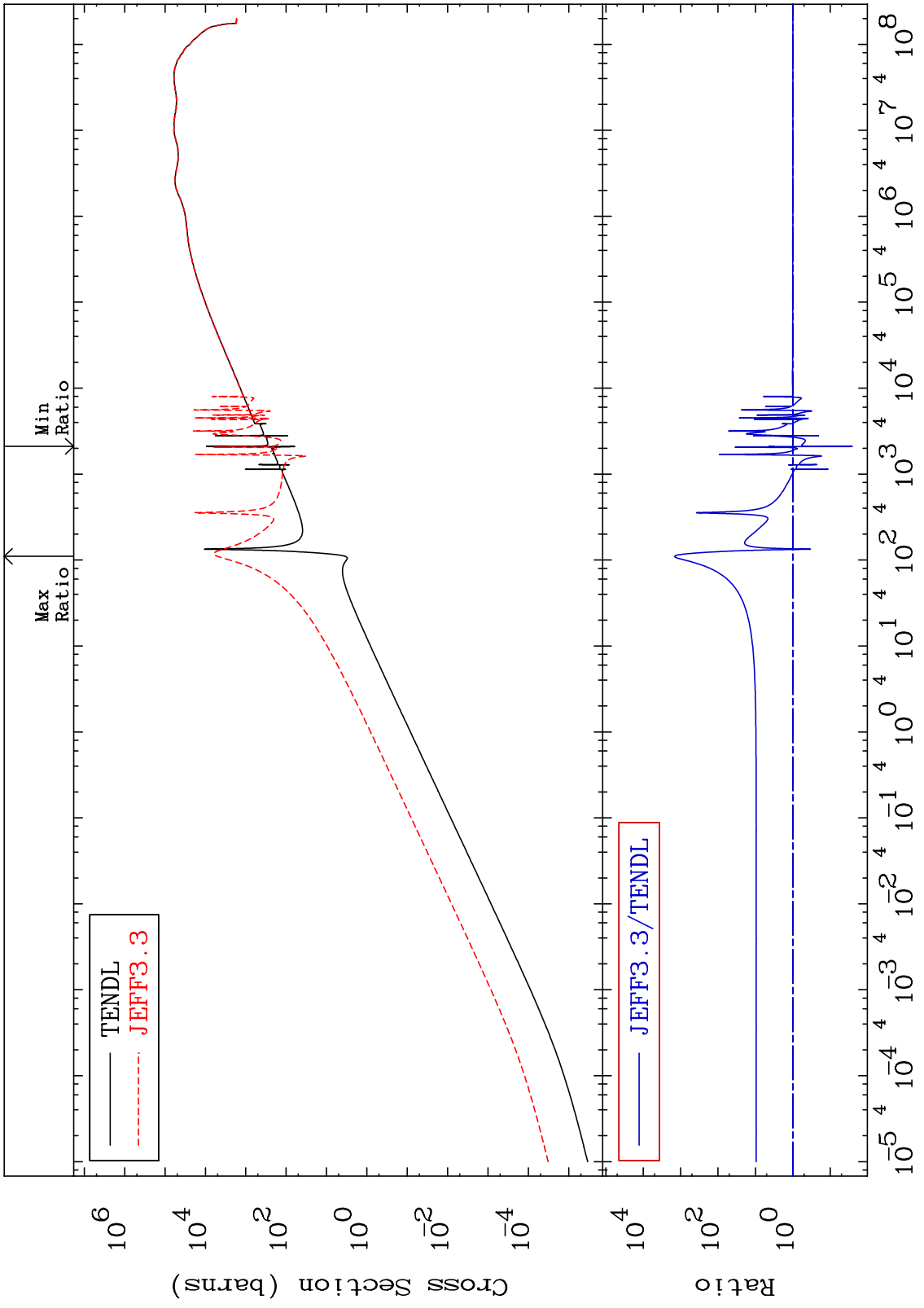
Incident Energy (eV)

84-Po-209

MAT 8434

Kerma elastic
Cross Section

84-Po-209
-97.42 To 9999. %



71

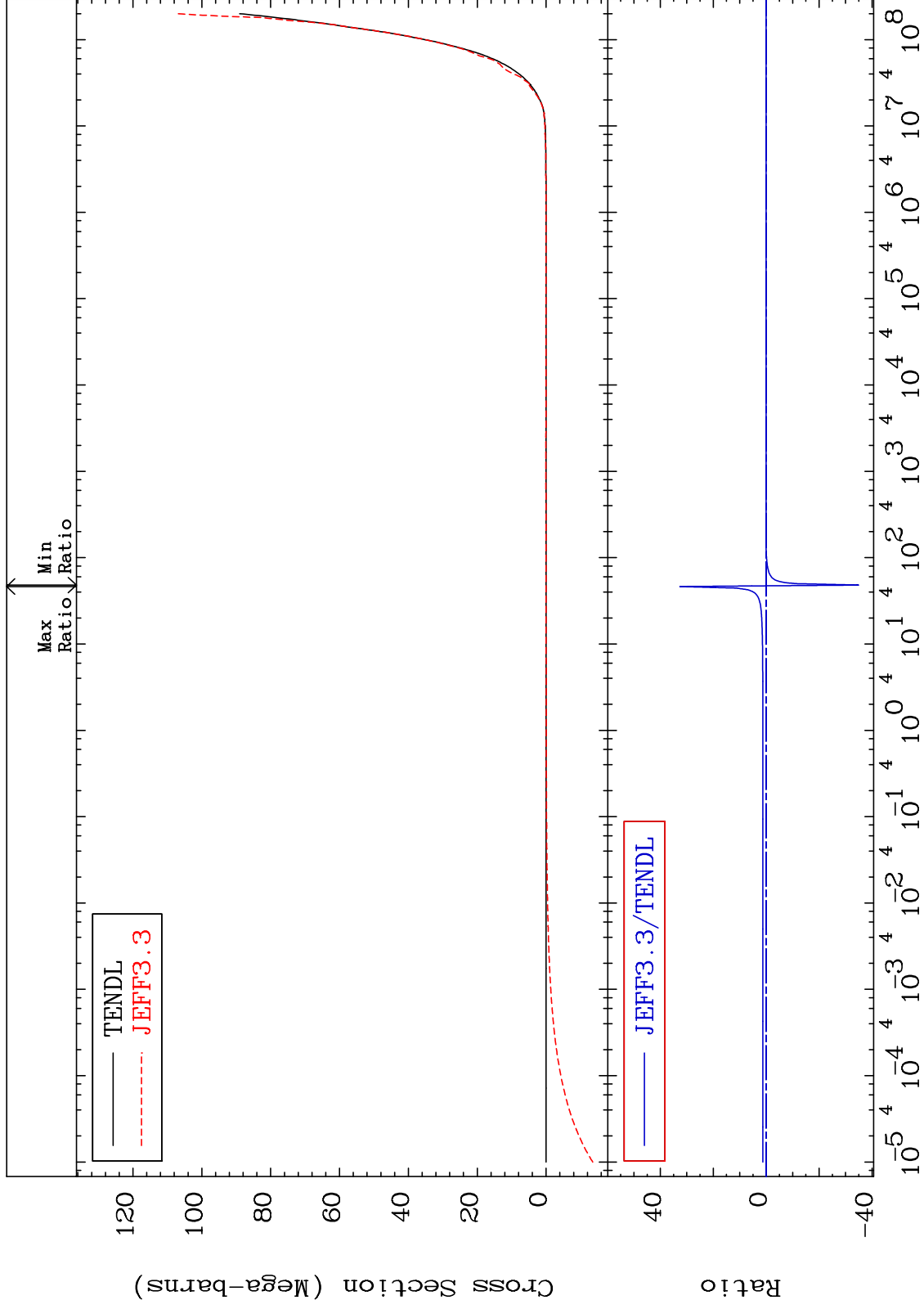
Incident Energy (eV)

84-Po-209

MAT 8434

Kerma non-elastic (all but mt2)
Cross Section

84-Po-209
-9999. To 9999. %



72

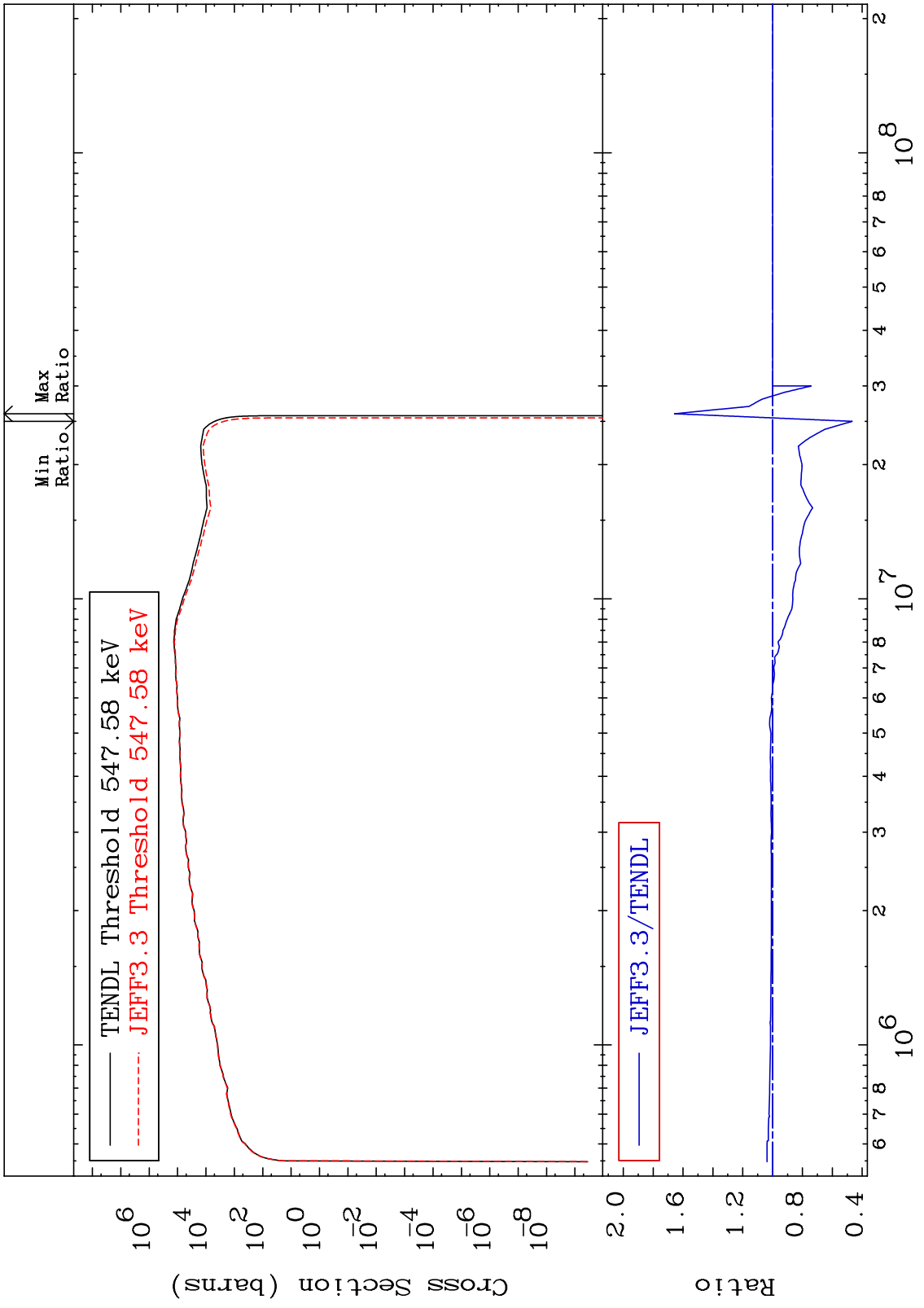
Incident Energy (eV)

84-Po-209

MAT 8434

Kerma inelastic (mt51-91)
Cross Section

84-Po-209
-53.29 To 65.64 %



73

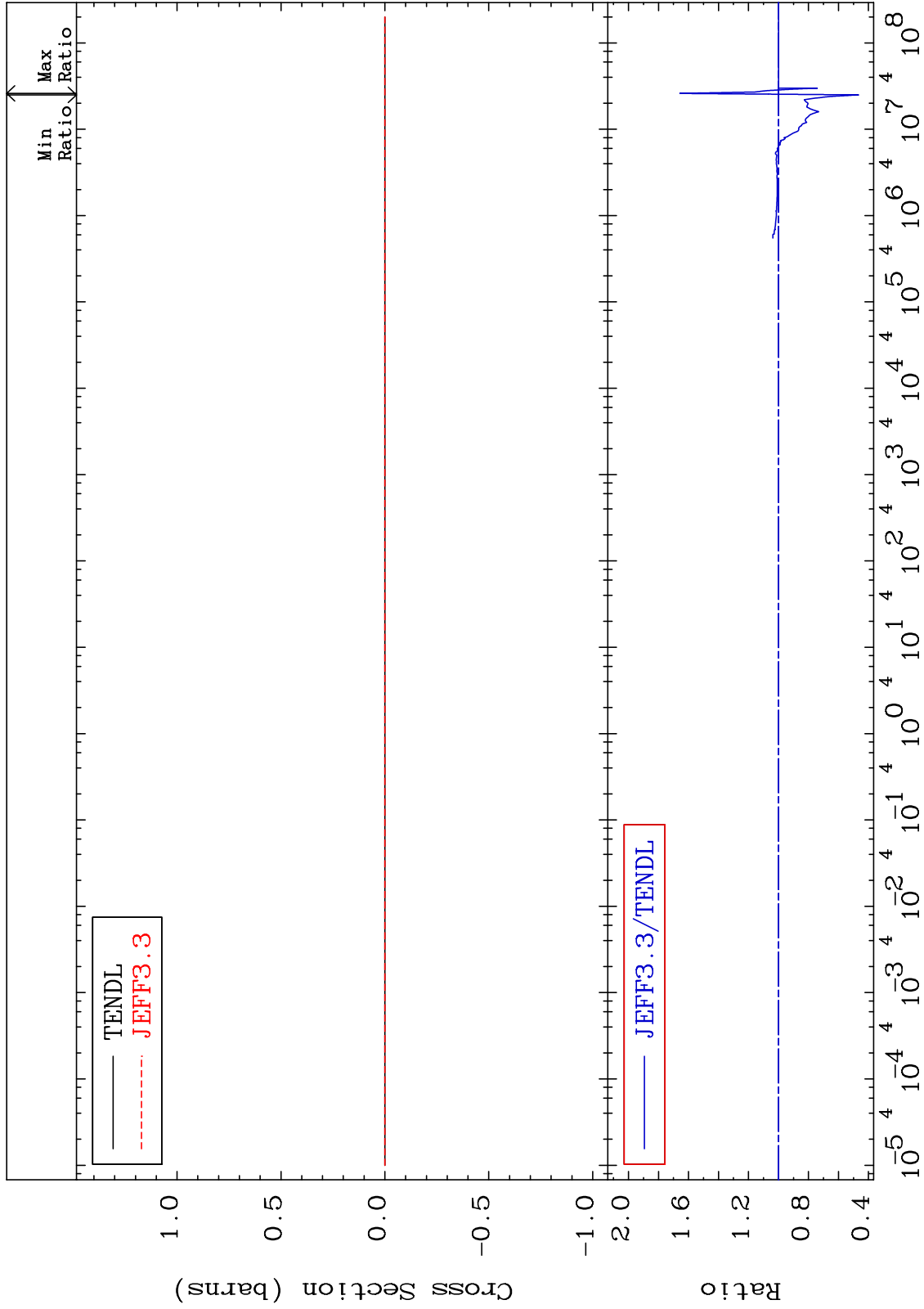
Incident Energy (eV)

84-Po-209

MAT 8434

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

84-Po-209
-53.29 To 65.64 %



74

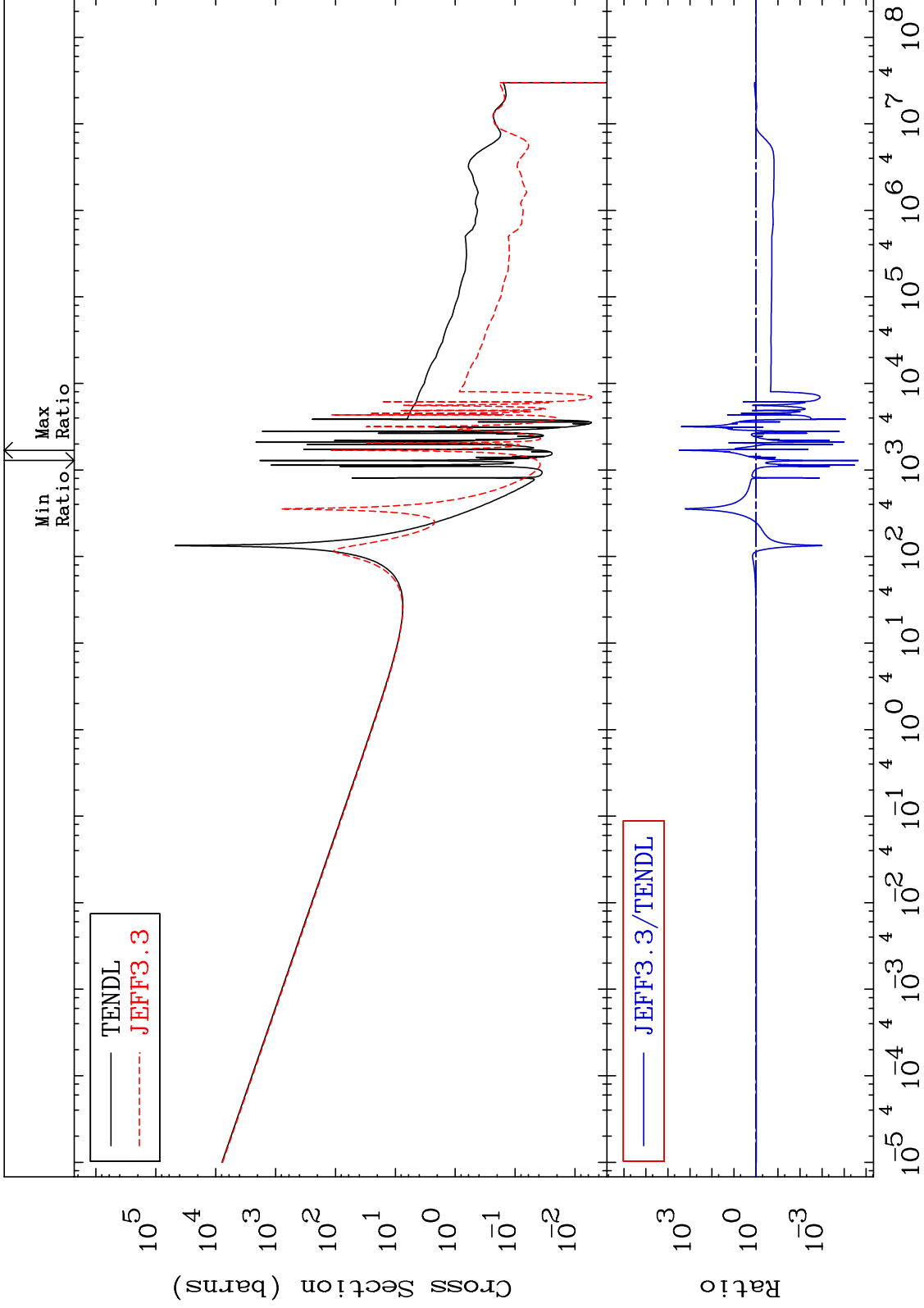
Incident Energy (eV)

84-Po-209

MAT 8434

Kerma capture (mt102)
Cross Section

84-Po-209
-100.0 To 9999. %



75

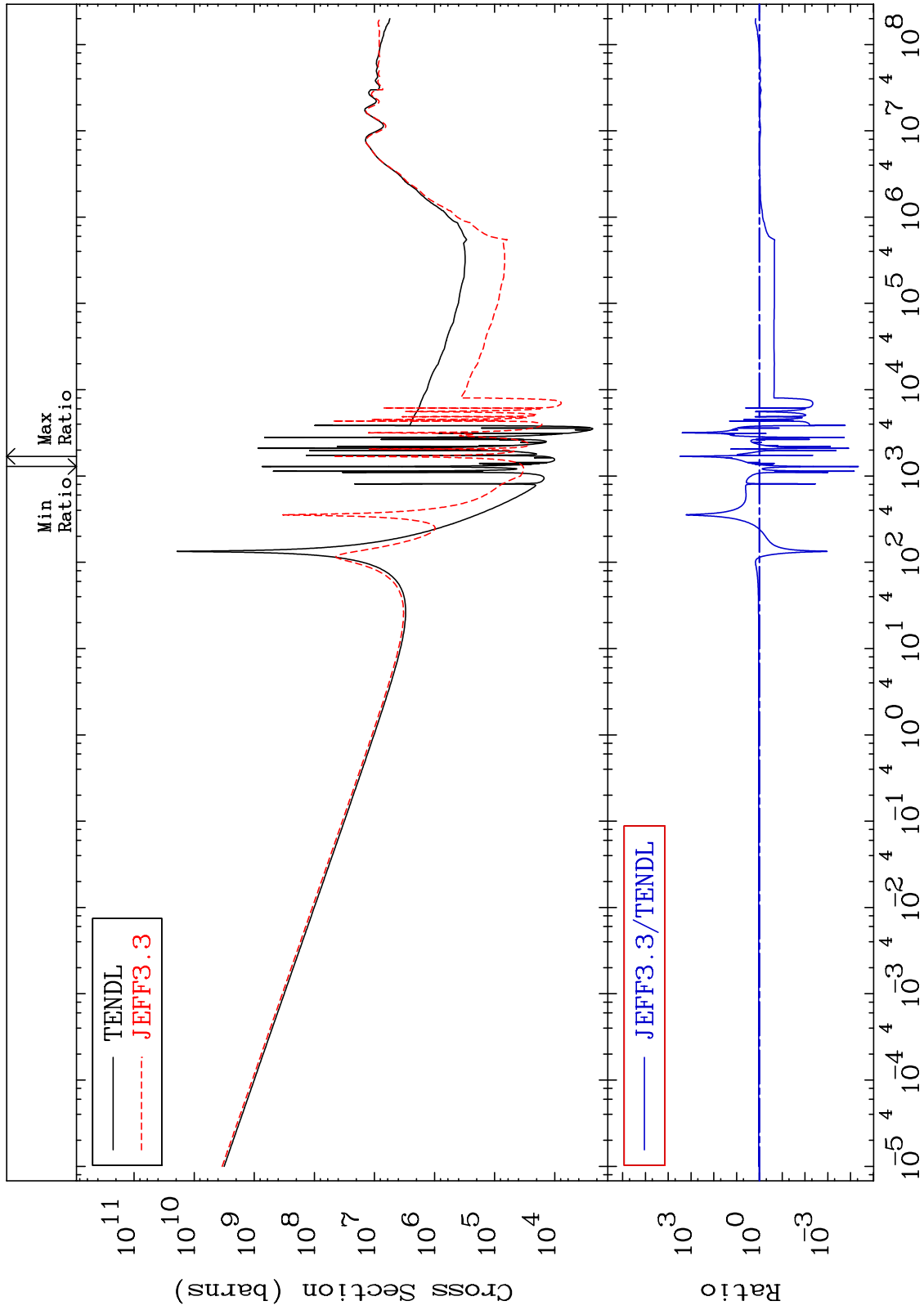
Incident Energy (eV)

84-Po-209

MAT 8434

Total photon (eV-barns)
Cross Section

84-Po-209
-100.0 To 9999. %



76

Incident Energy (eV)

84-Po-209

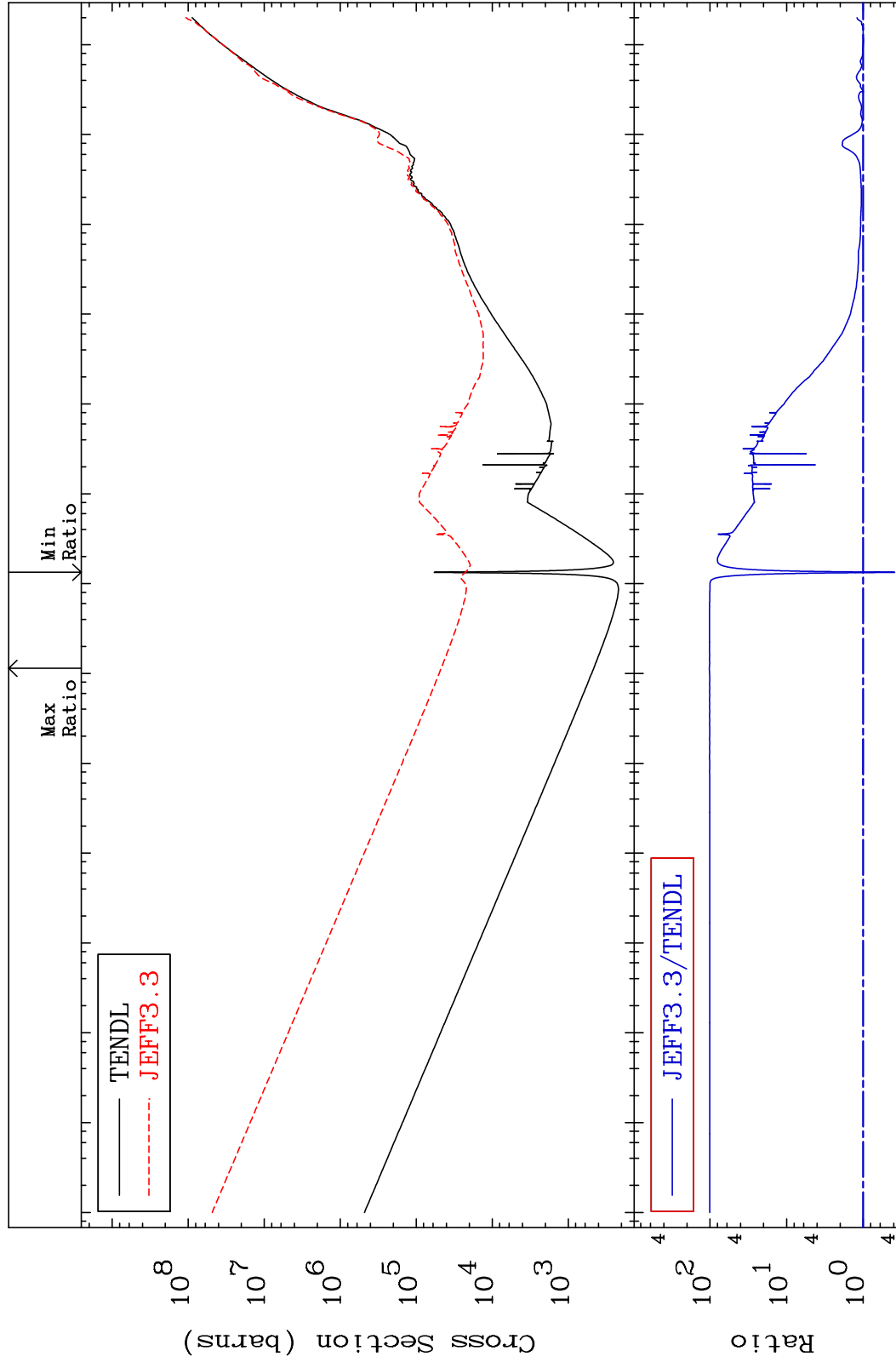
MAT 8434

Total kinematic kerma (high limit)

84-Po-209

-61.48 To 9999. %

Cross Section



77

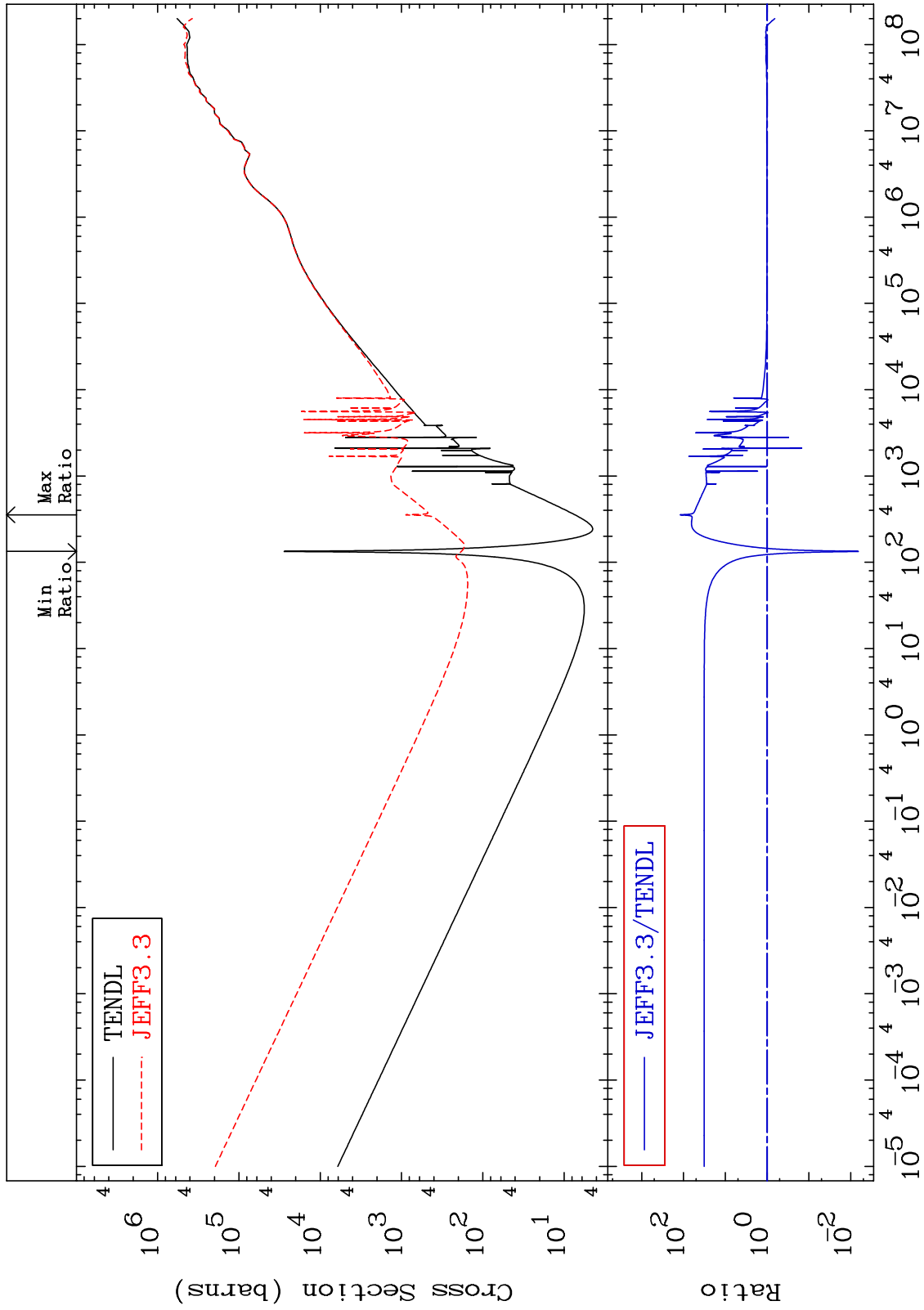
Incident Energy (eV)

84-Po-209

MAT 8434

Dpa total (eV-barns)
Cross Section

84-Po-209
-99.34 To 9999. %



78

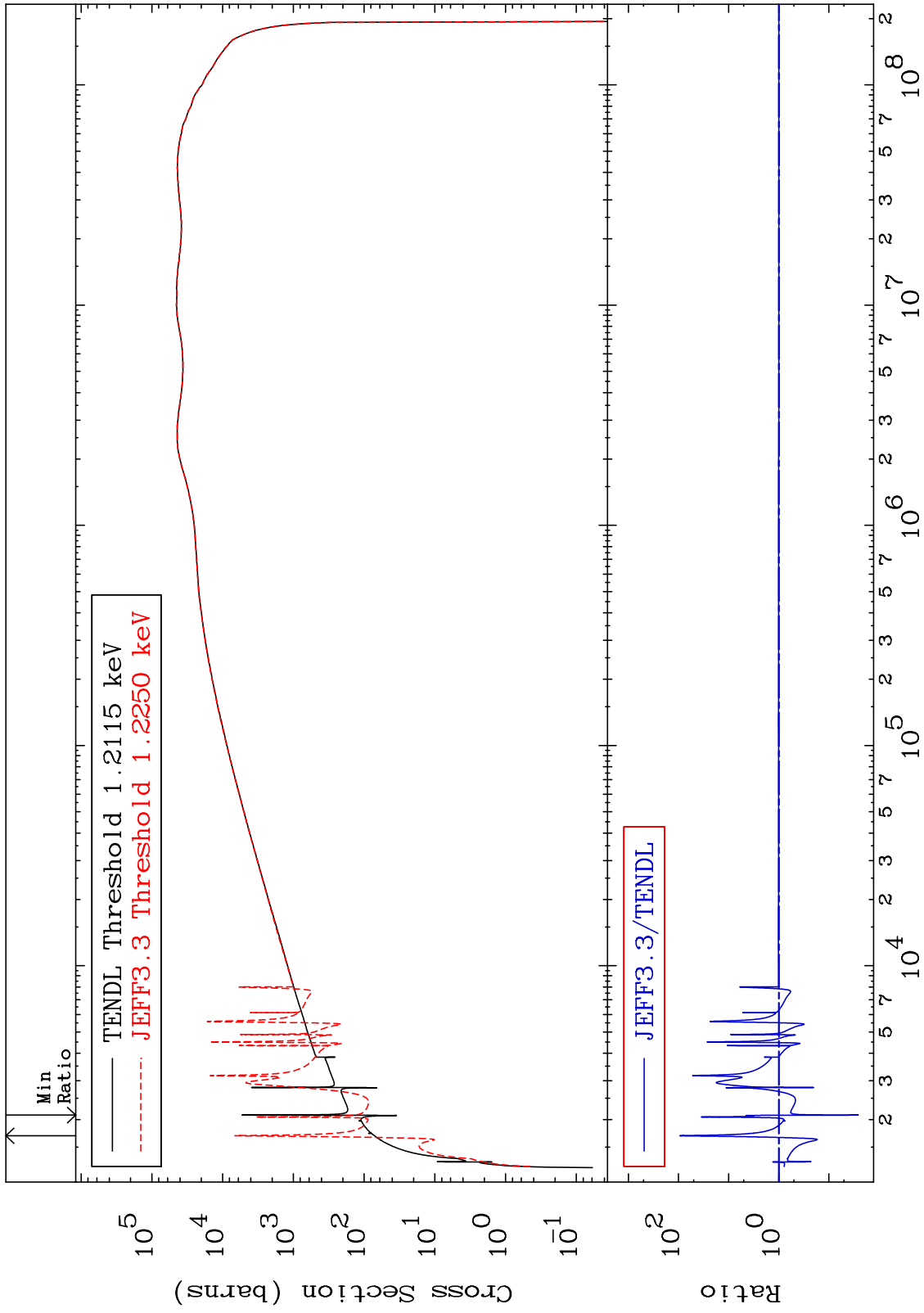
Incident Energy (eV)

84-Po-209

MAT 8434

Dpa elastic (mt2)
Cross Section

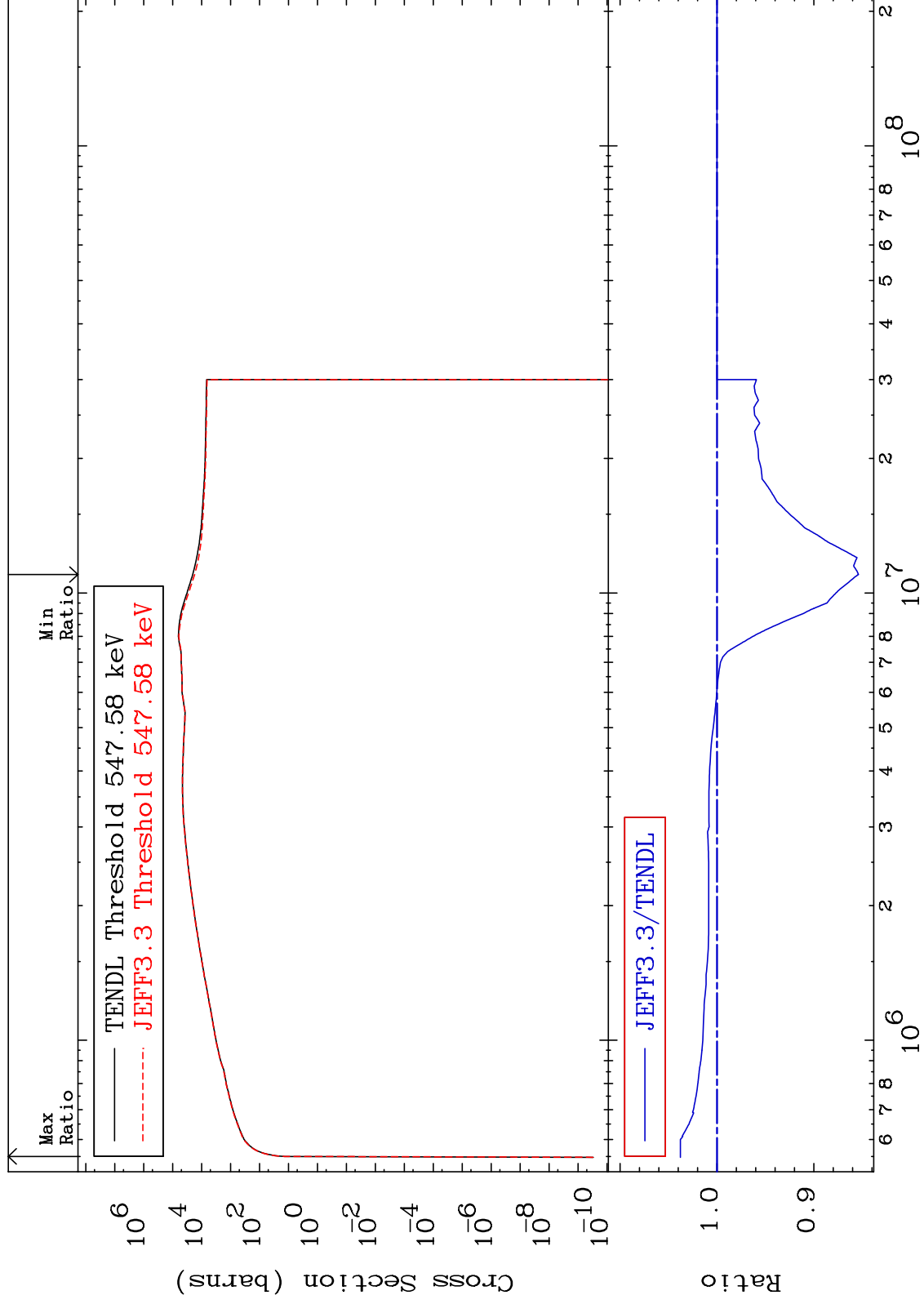
84-Po-209
-97.42 To 9332. %



MAT 8434

Dpa inelastic (mt51-91)
Cross Section

84-Po-209
-14.60 To 3.774 %



80

Incident Energy (eV)

84-Po-209

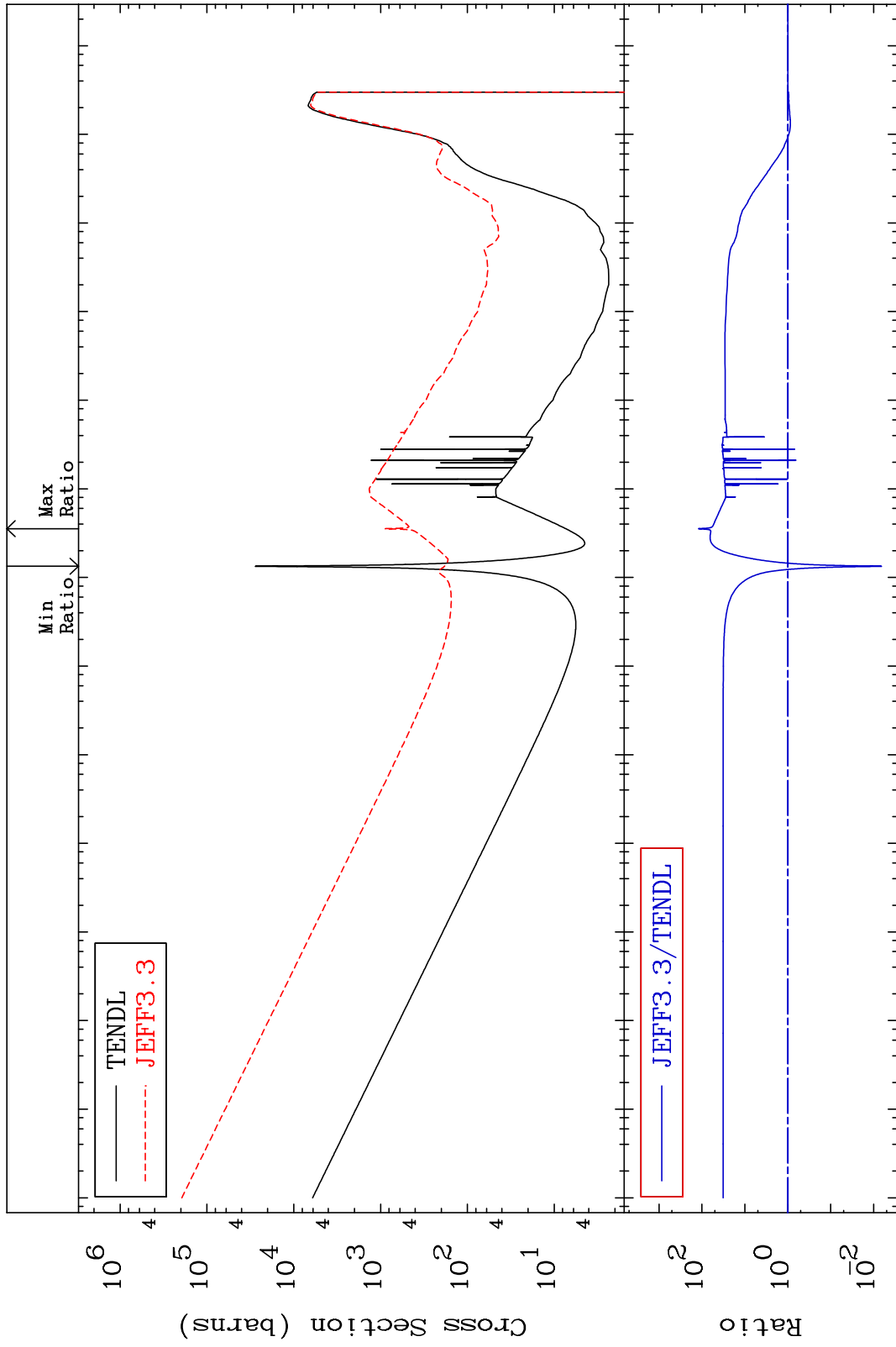
MAT 8434

Dpa disappearance (mt102 -120)

84-Po-209

-99.34 To 9999. %

Cross Section

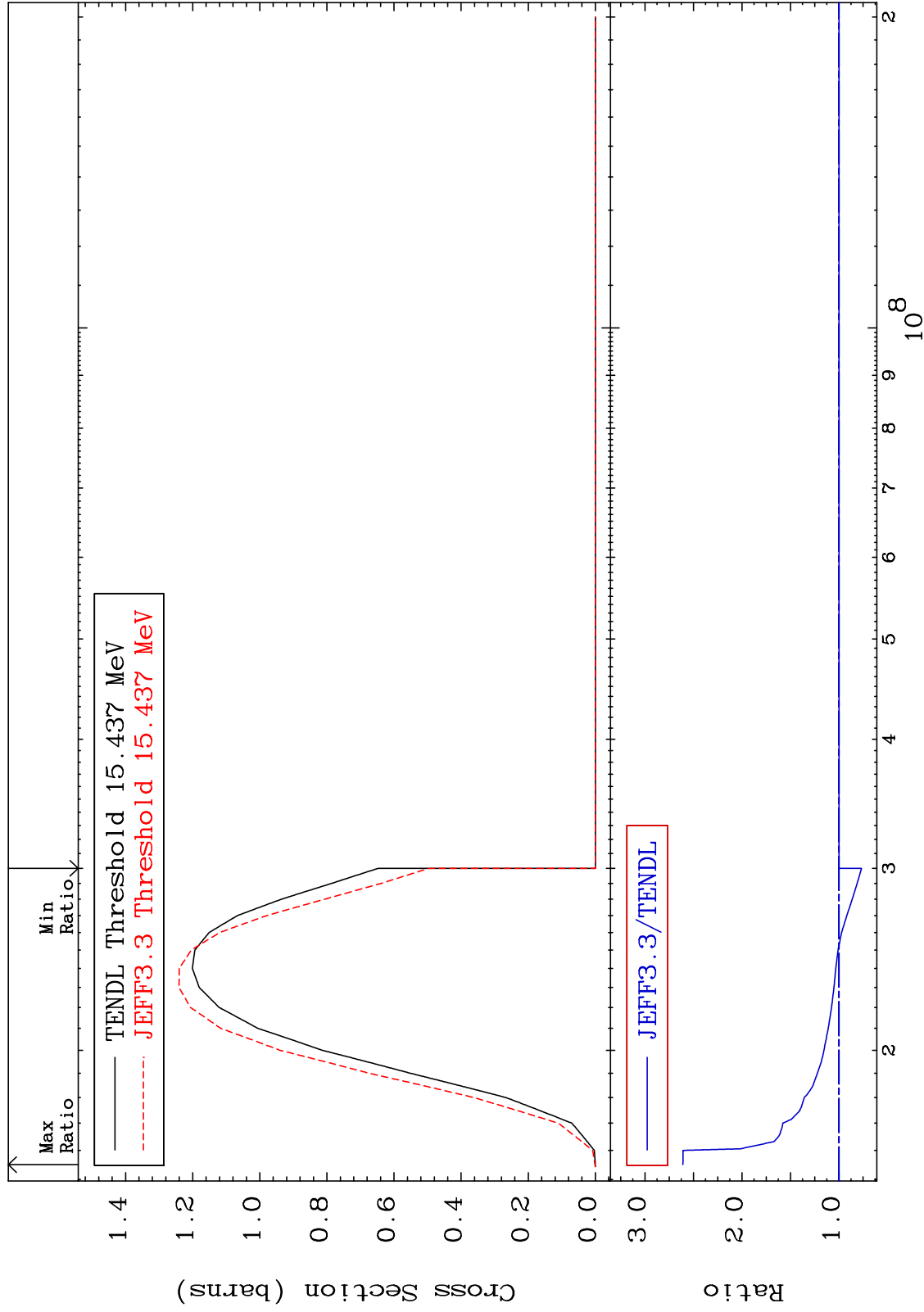


MAT 8434

(n,3n):84-Po-207g

84-Po-209

Radionuclide Production Cross Section -23.36 To 160.9 %



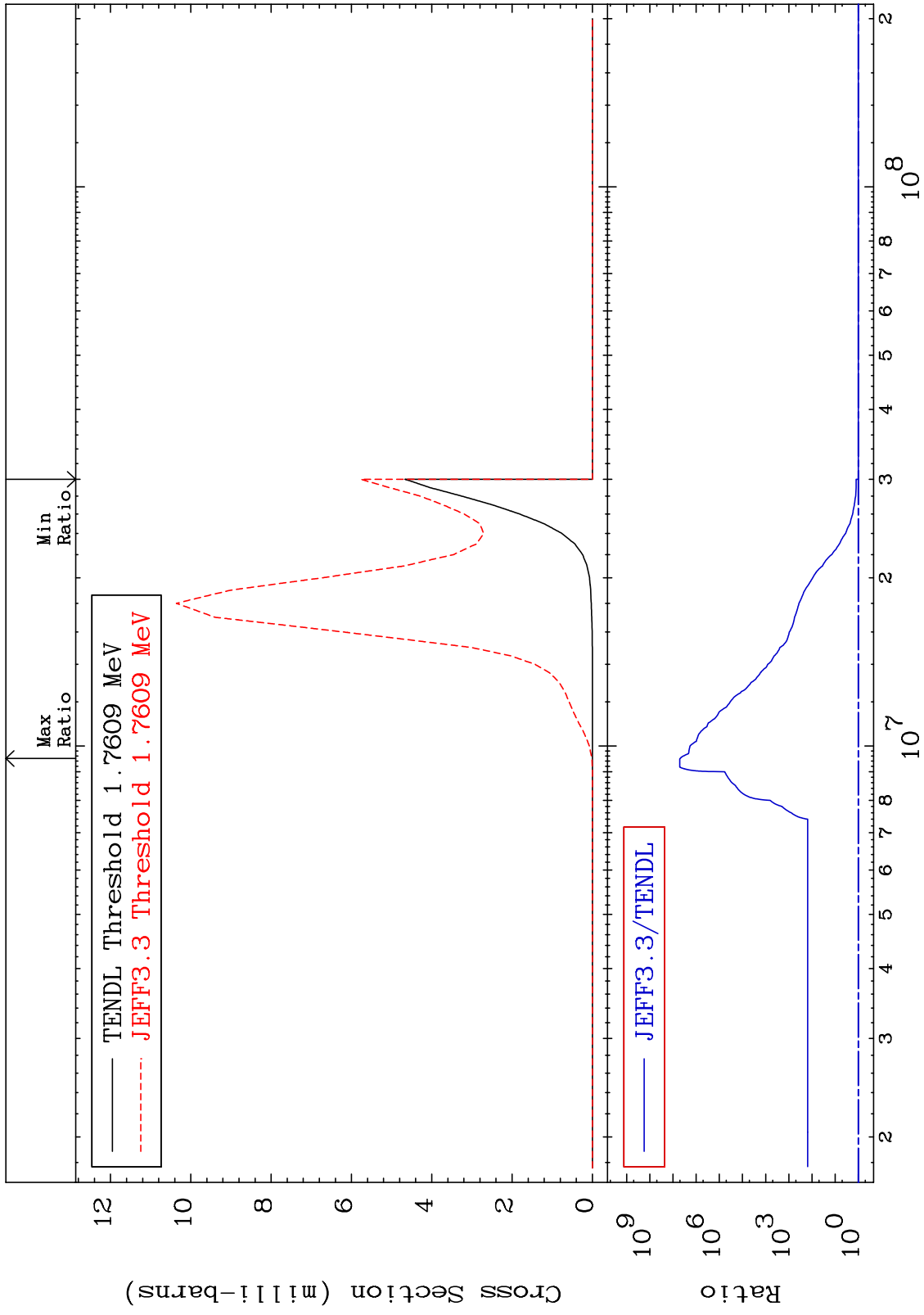
82

Incident Energy (eV)

84-Po-209

MAT 8434

(n,2n) α :82-Pb-204g 84-Po-209
Radionuclide Production Cross Section 0.000 To 9999. %



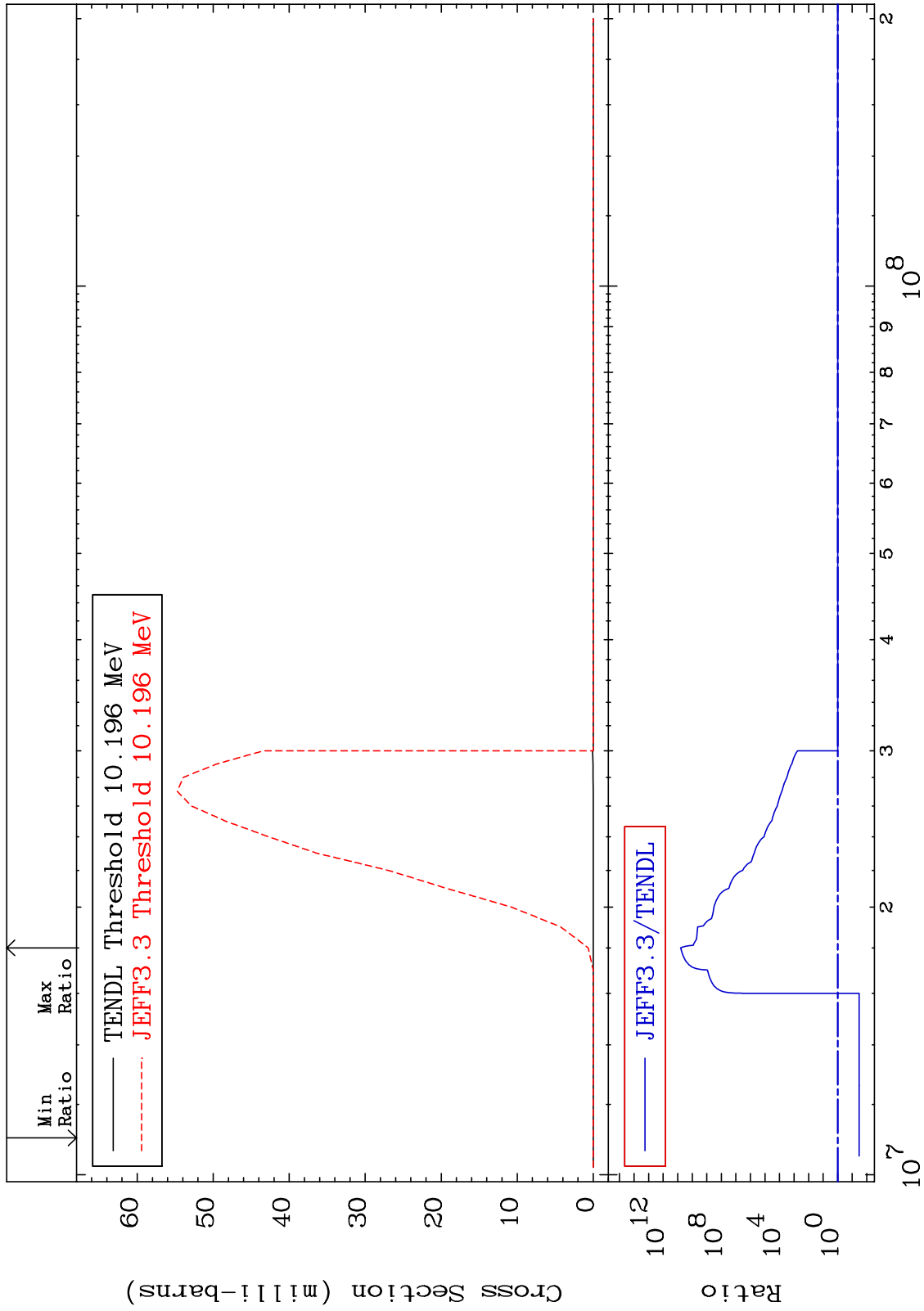
83

Incident Energy (eV)

84-Po-209

MAT 8434

(n,3n) α :82-Pb-203g 84-Po-209
Radionuclide Production Cross Section -96.66 To 9999. %



84

Incident Energy (eV)

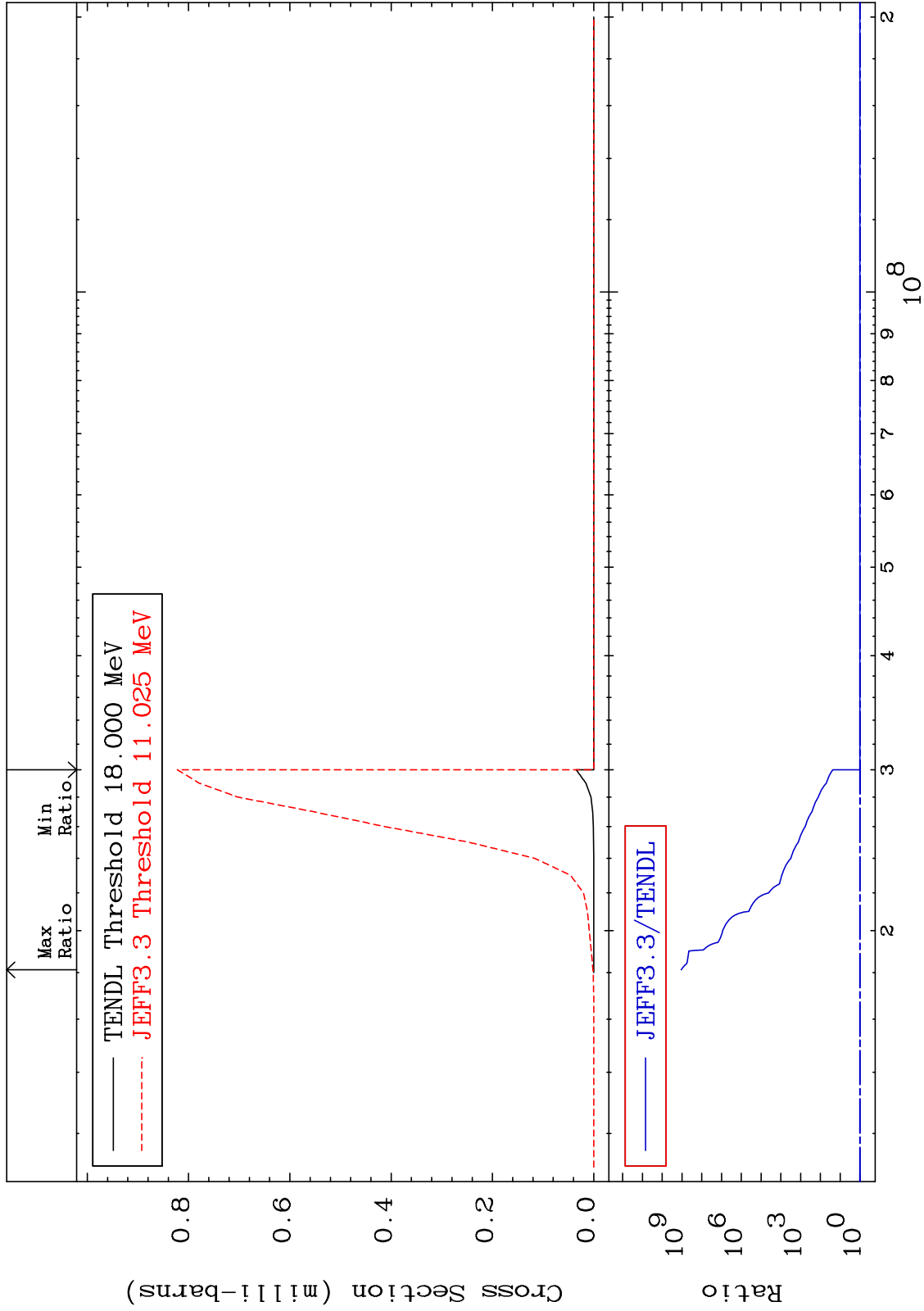
84-Po-209

MAT 8434

(n,3n) α :82-Pb-203m6

84-Po-209

Radionuclide Production Cross Section 0.000 To 9999. %

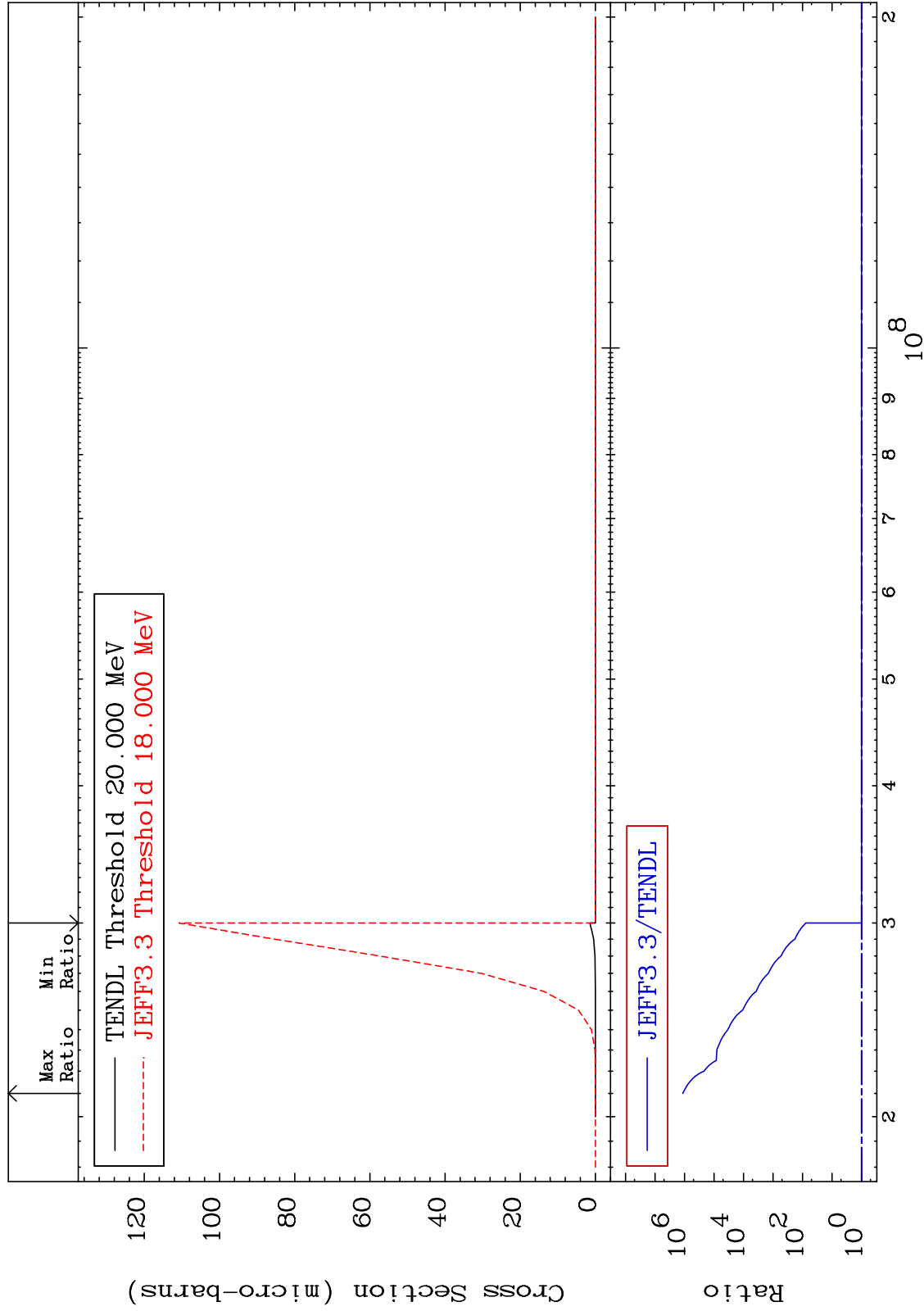


MAT 8434

(n,3n) α :82-Pb-203m10

84-Po-209

Radionuclide Production Cross Section 0.000 To 9999. %



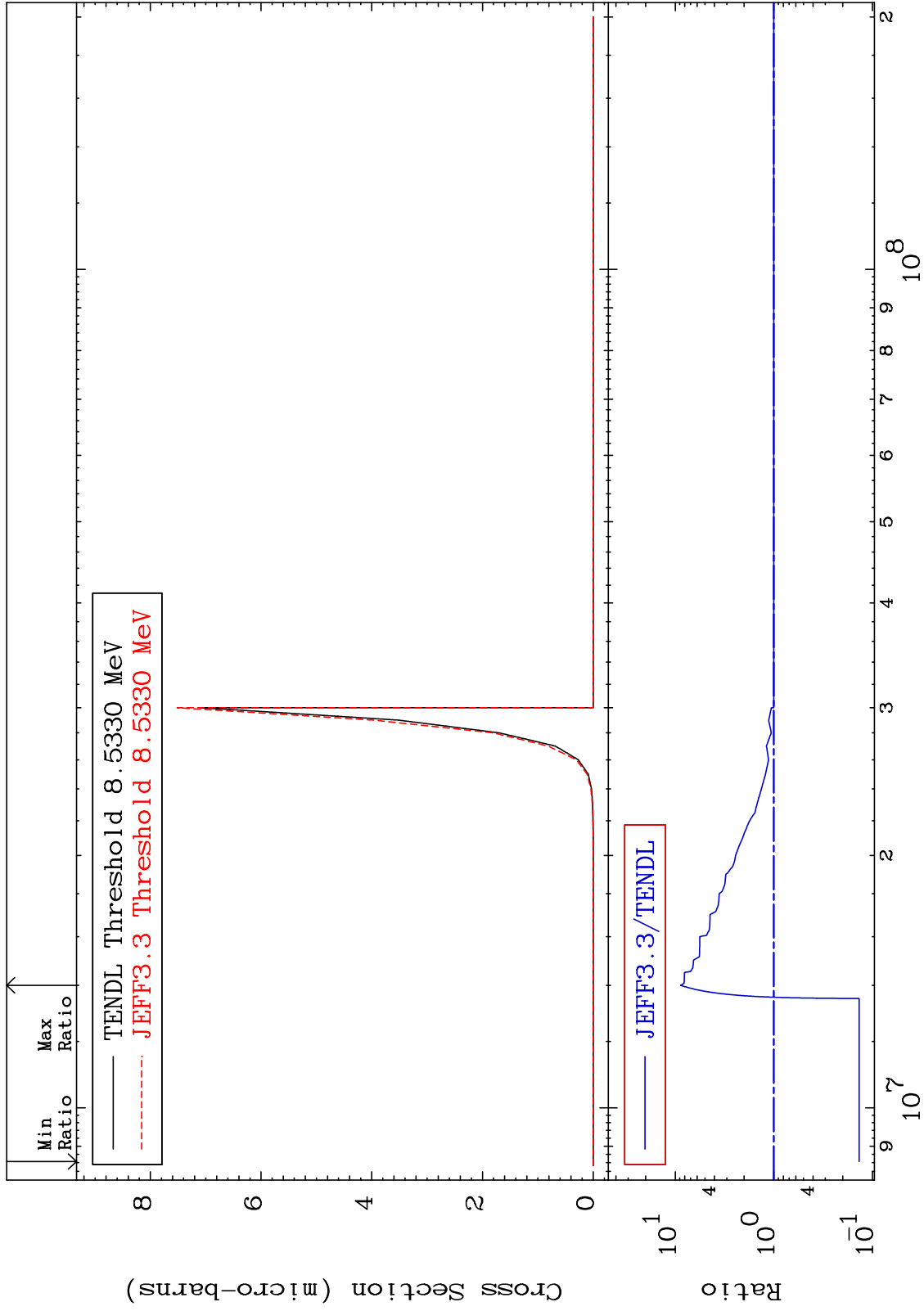
86

Incident Energy (eV)

84-Po-209

MAT 8434

(n,2n) p:82-Pb-207g 84-Po-209
Radionuclide Production Cross Section -86.37 To 781.9 %



87

Incident Energy (eV)

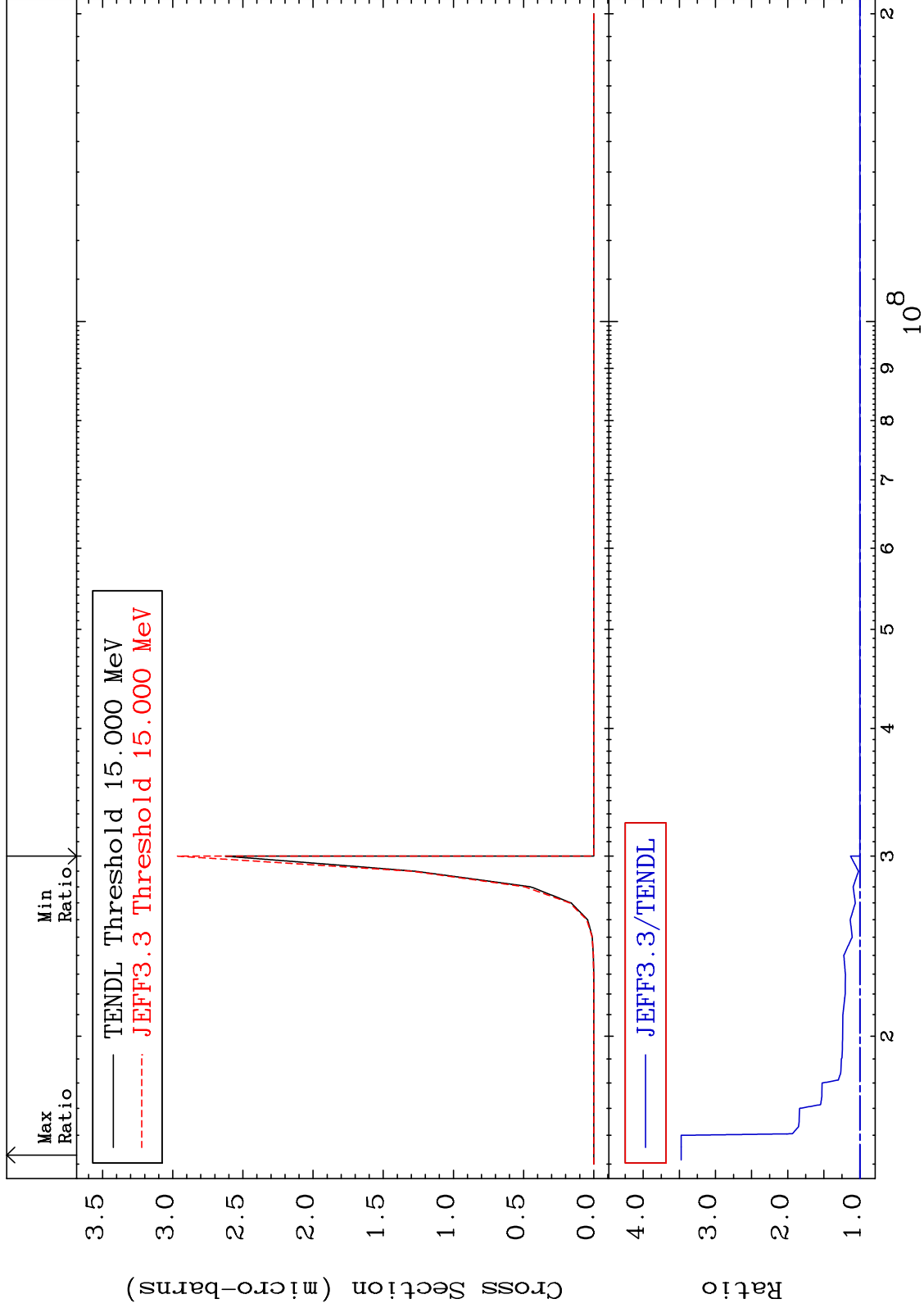
84-Po-209

MAT 8434

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

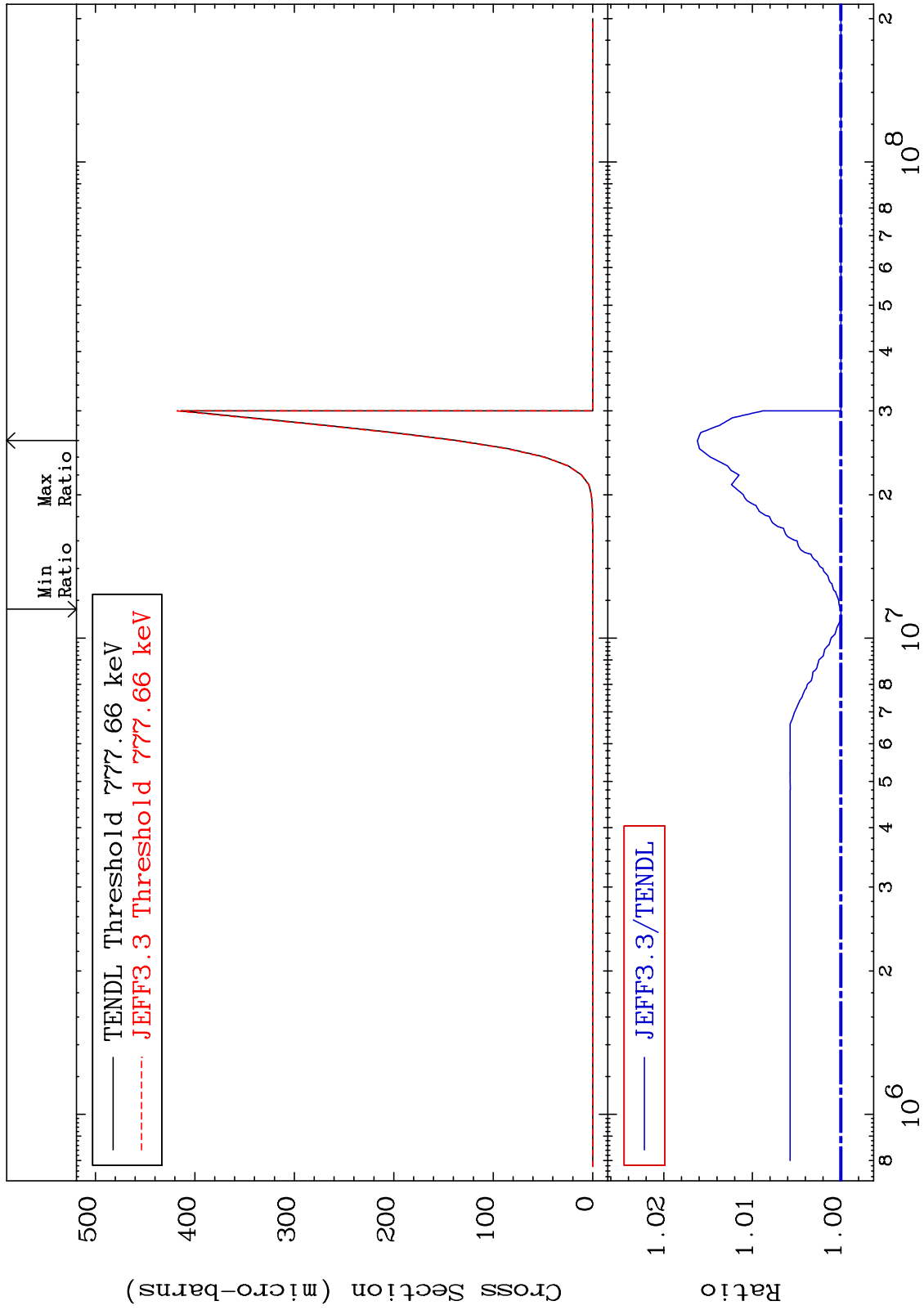
84-Po-209

Radionuclide Production Cross Section 0.000 To 247.4 %



MAT 8434

(n,He-3):82-Pb-207g 84-Po-209
Radionuclide Production Cross Section -0.002 To 1.621 %



89

Incident Energy (eV)

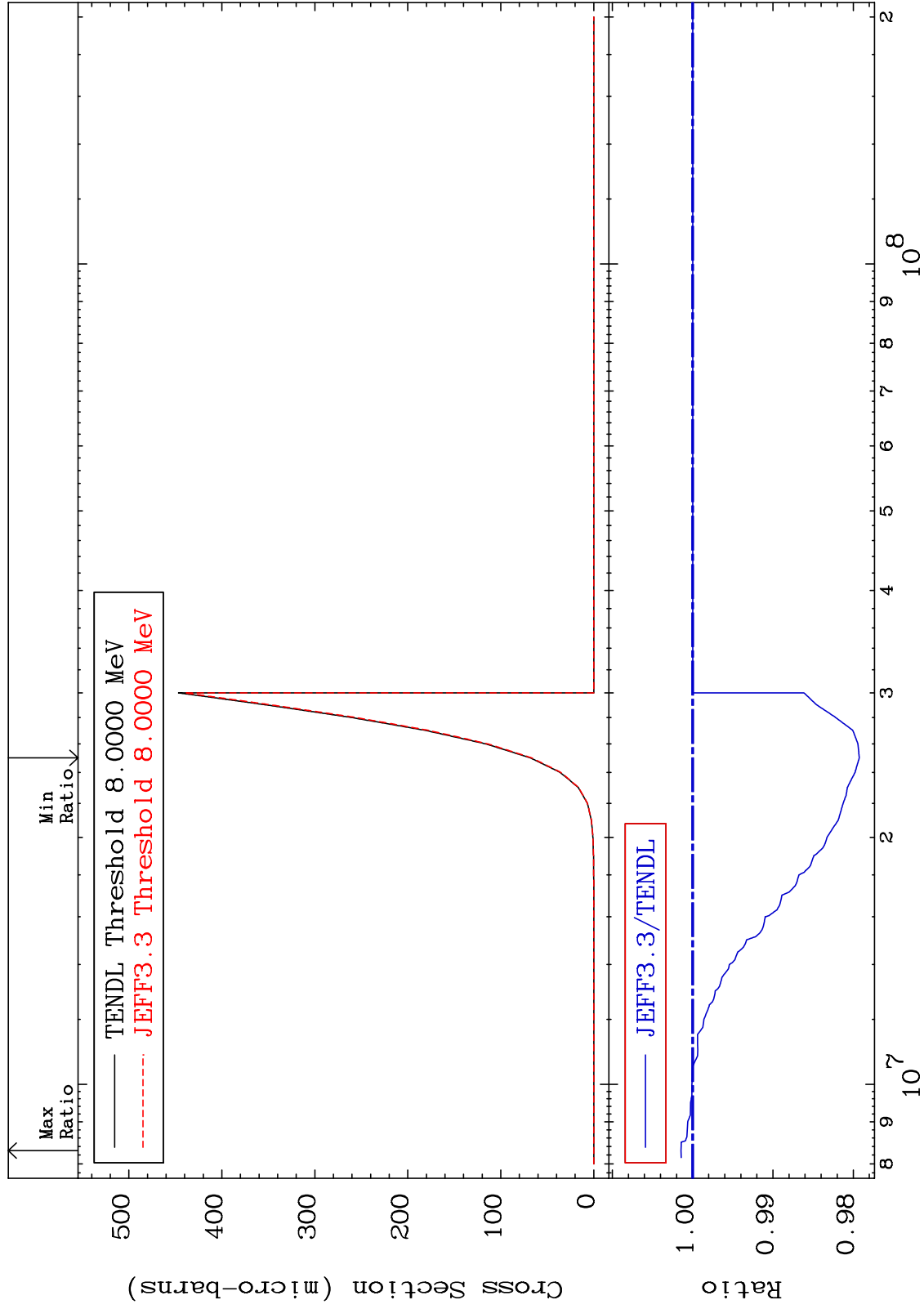
84-Po-209

MAT 8434

(n, He-3) : 82-Pb-207m3

84-Po-209

Radionuclide Production Cross Section -2.075 To 0.144 %



90

Incident Energy (eV)

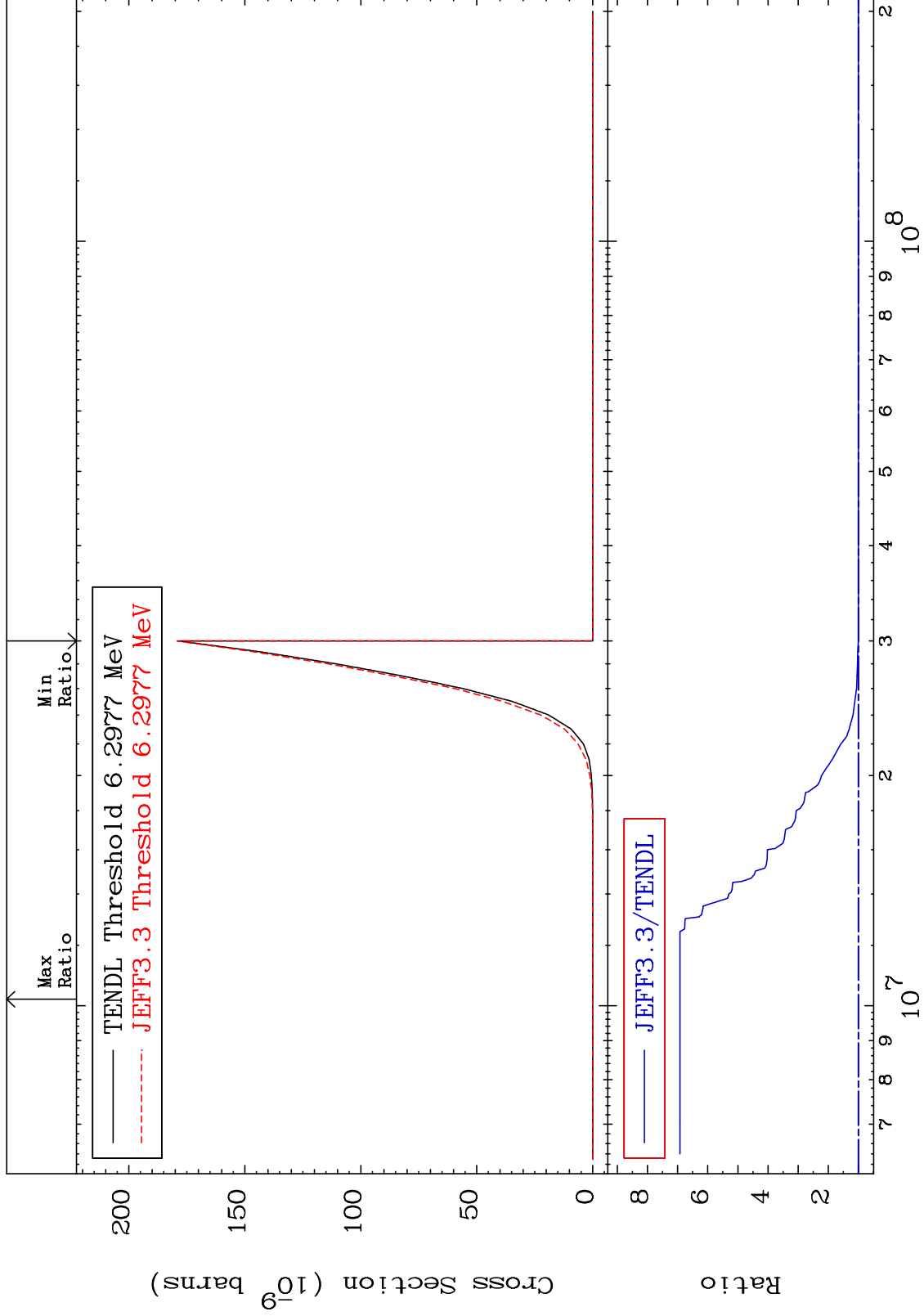
84-Po-209

MAT 8434

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

84-Po-209

Radionuclide Production Cross Section 0.000 To 591.9 %



91

Incident Energy (eV)

84-Po-209

MAT 8434

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

84-Po-209

Radionuclide Production Cross Section

-5.282 To 69.23 %

