

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

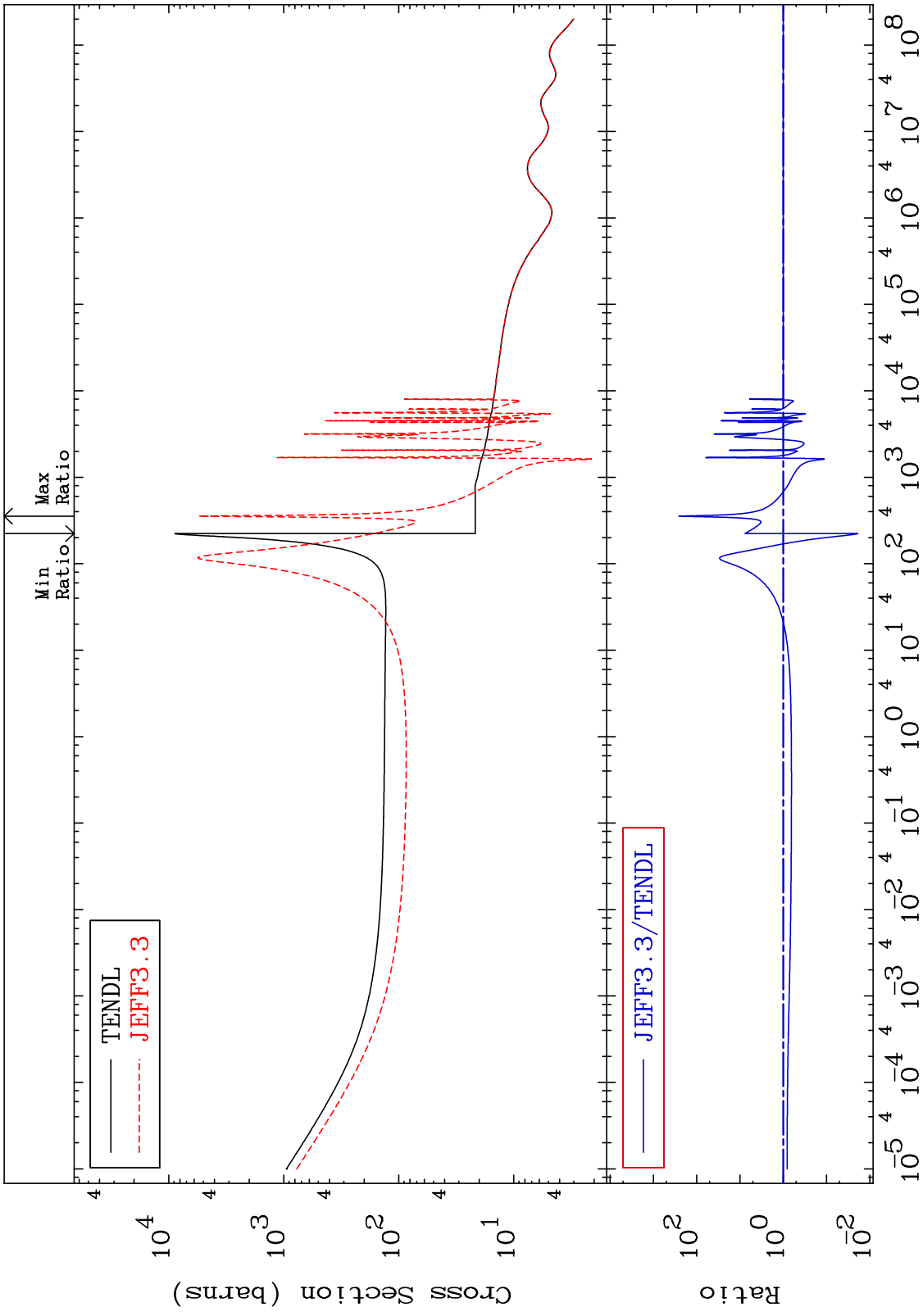
MAT 8434

Total

84-Po-209

Cross Section

-98.11 To 9999. %



Incident Energy (eV)

84-Po-209

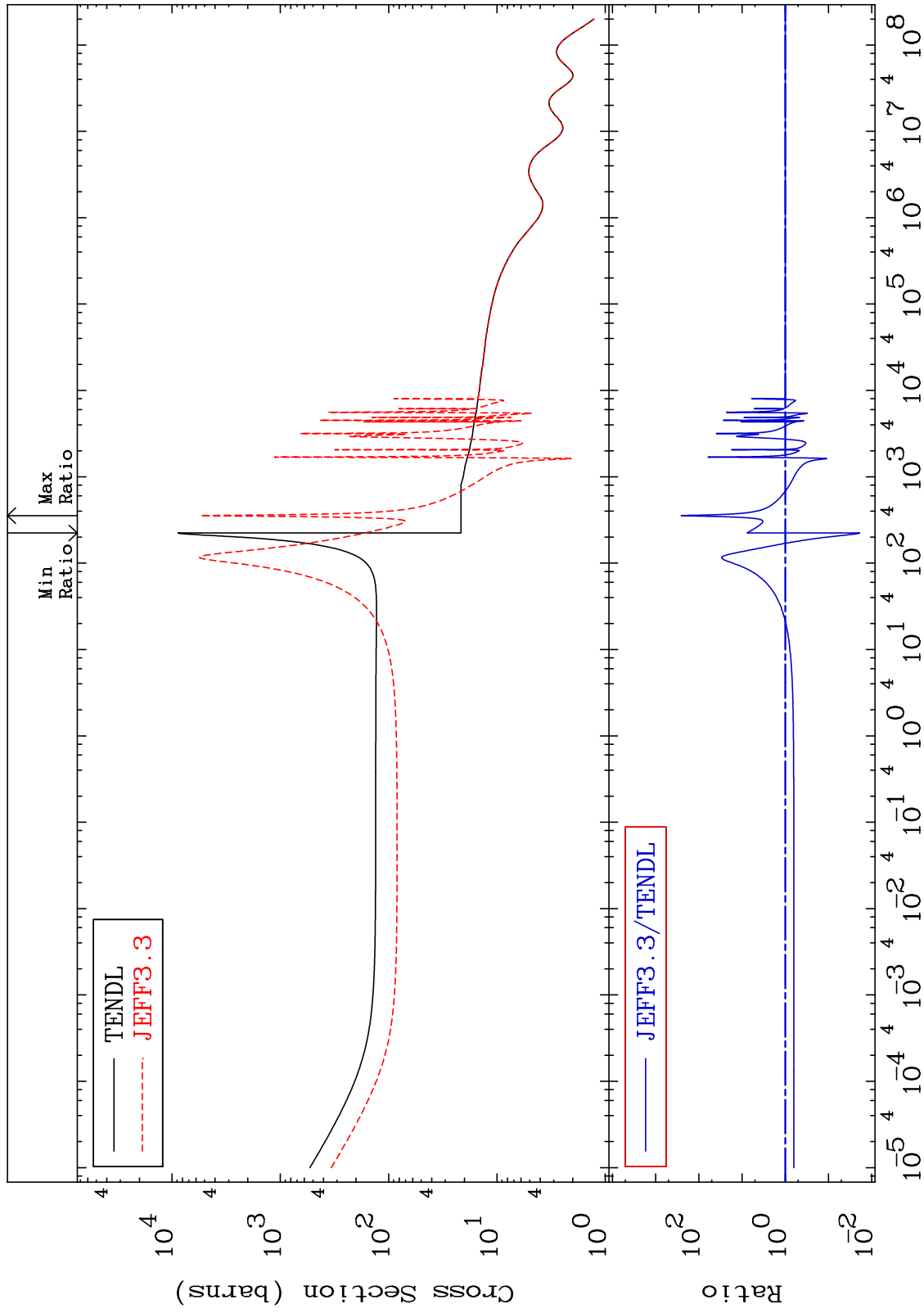
MAT 8434

Elastic

84-Po-209

Cross Section

-98.11 To 9999. %



2

Incident Energy (eV)

84-Po-209

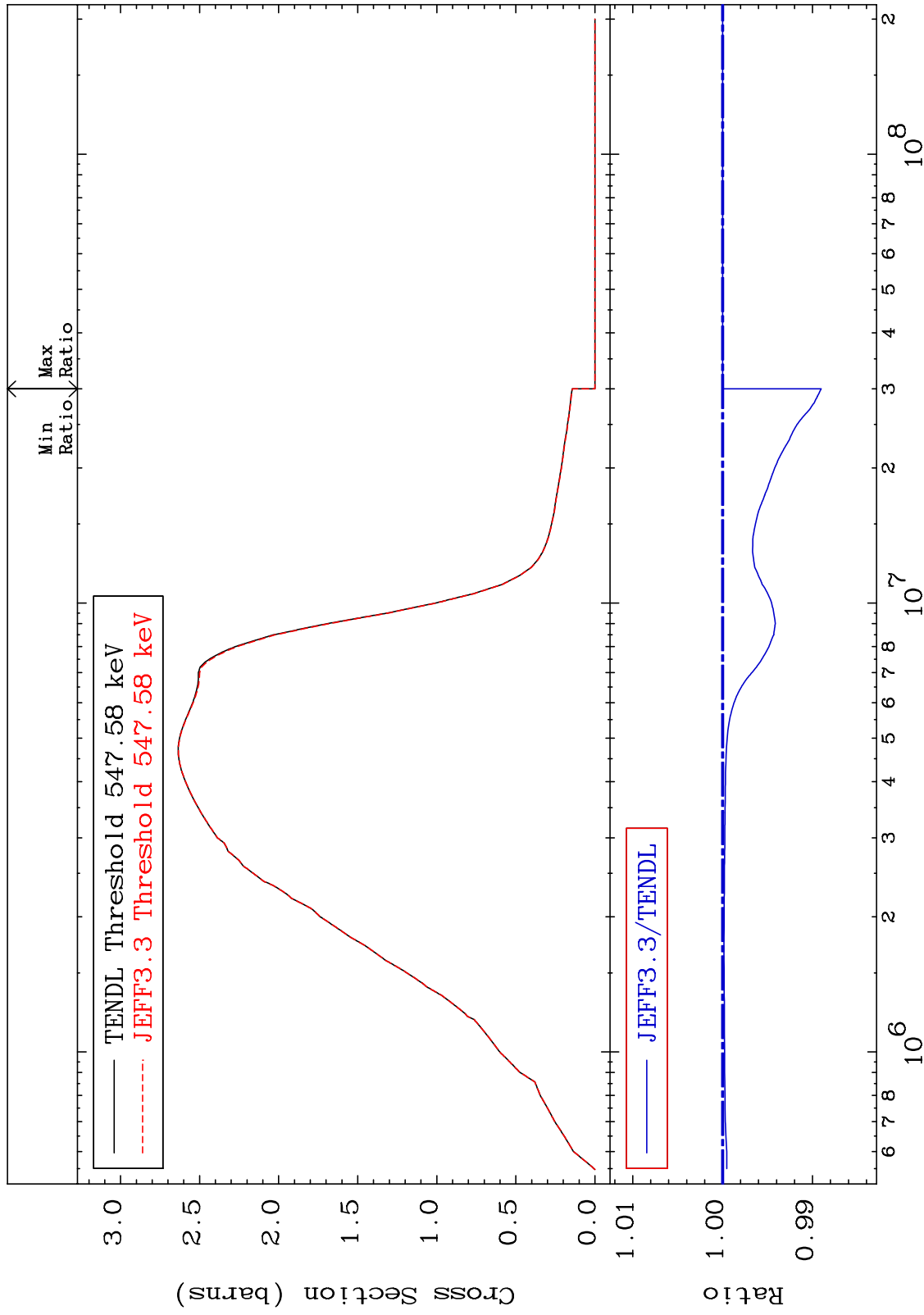
MAT 8434

Inelastic

84-Po-209

Cross Section

-1.096 To 0.000 %

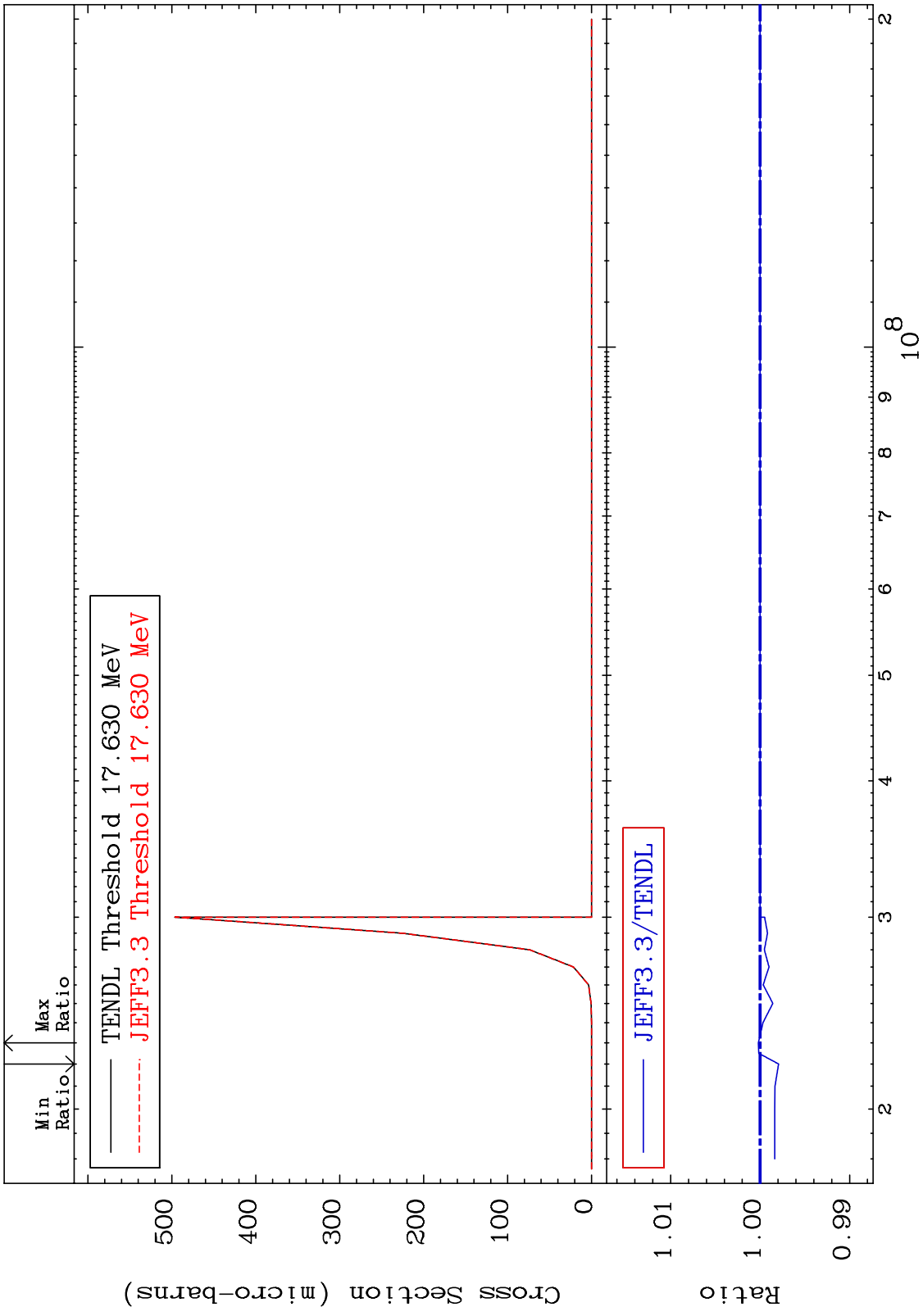


3

Incident Energy (eV)

84-Po-209

MAT 8434 (n,2n) d 84-Po-209  
 Cross Section -0.206 To 0.020 %



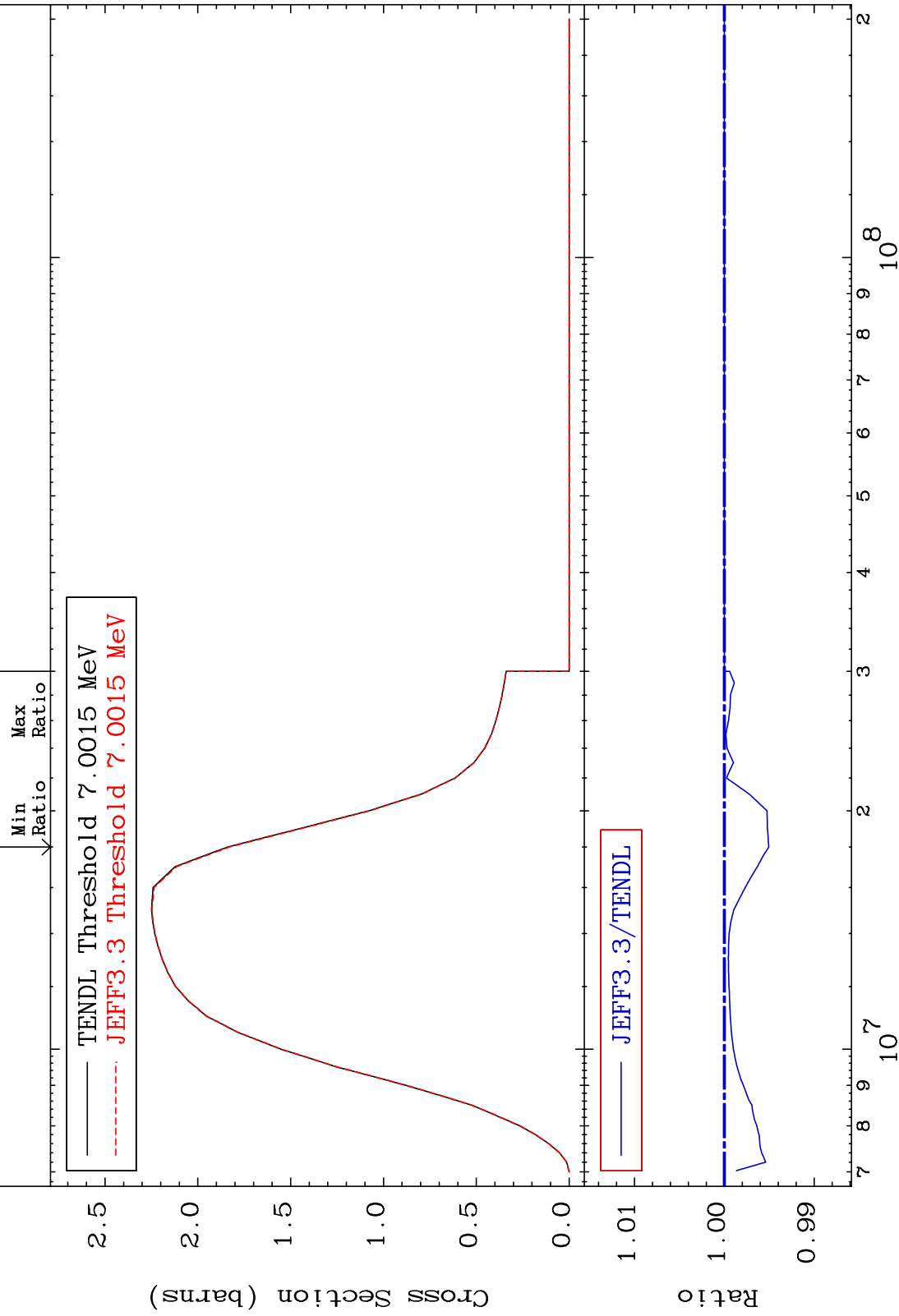
MAT 8434

(n,2n)

84-Po-209

-0.494 To 0.000 %

Cross Section



5

Incident Energy (eV)

84-Po-209

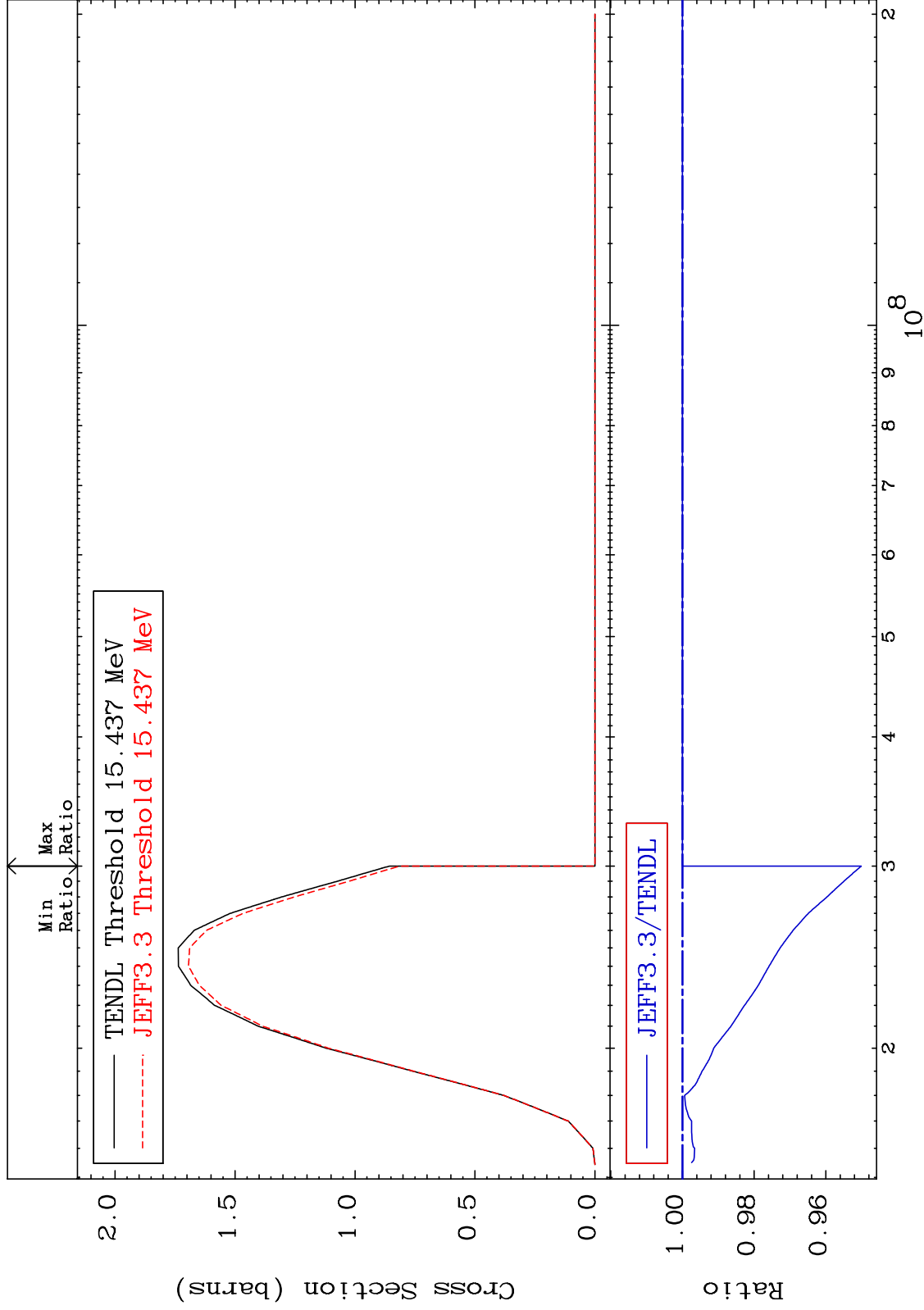
MAT 8434

(n,3n)

84-Po-209

Cross Section

-4.989 To 0.000 %

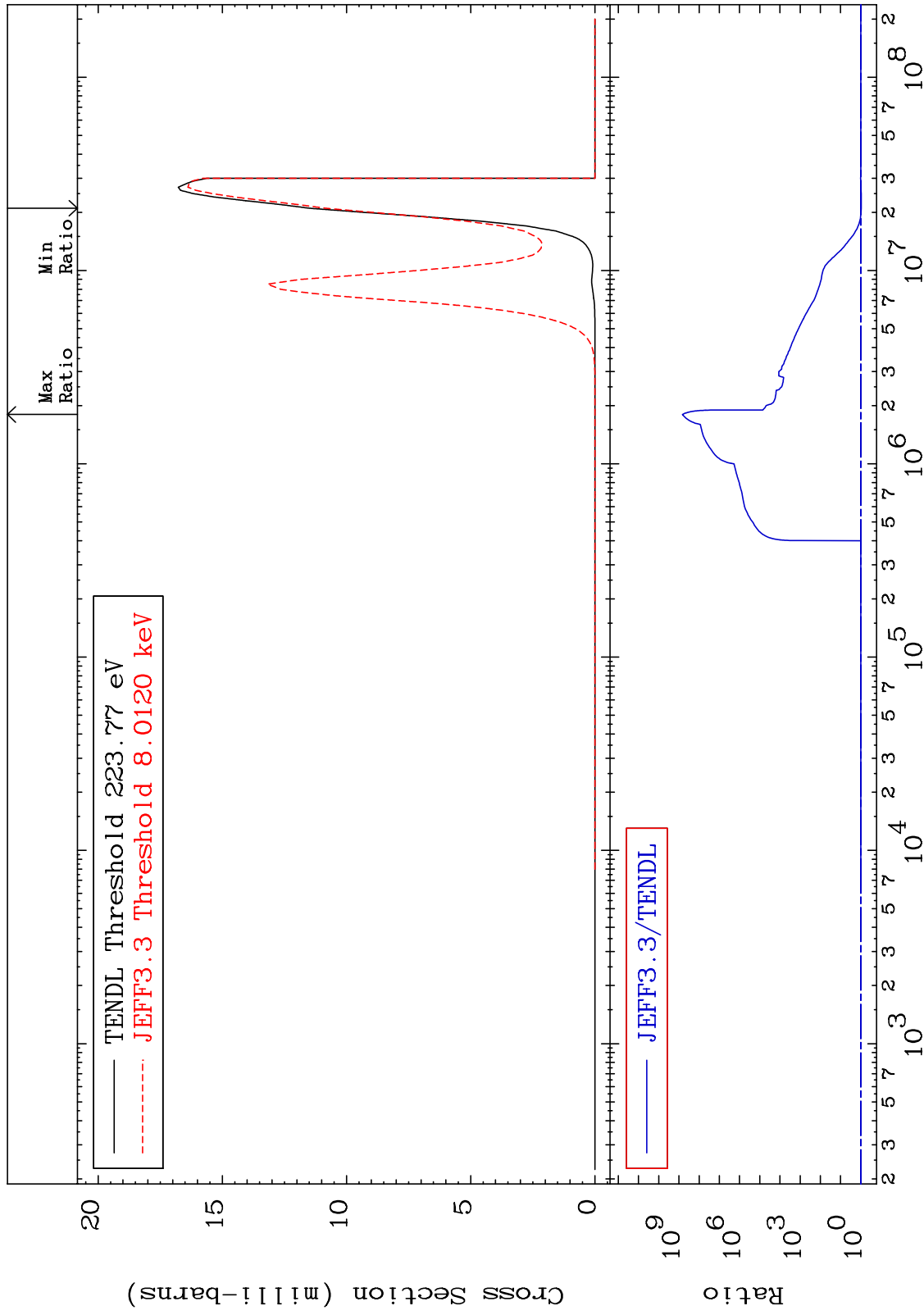


MAT 8434

(n, n')  $\alpha$

84-Po-209

Cross Section -5.578 To 9999. %





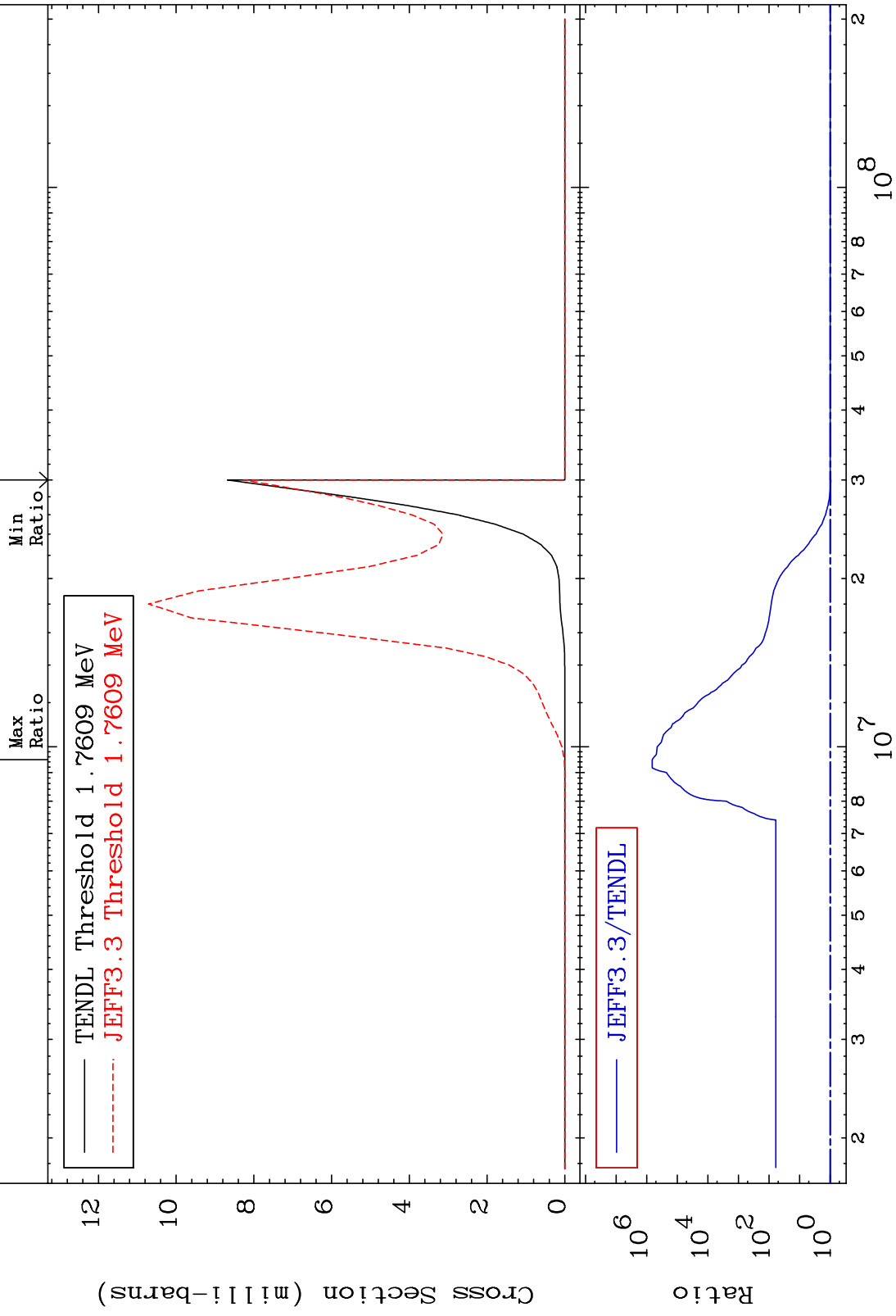
MAT 8434

(n,2n)  $\alpha$

84-Po-209

-4.874 To 9999. %

Cross Section



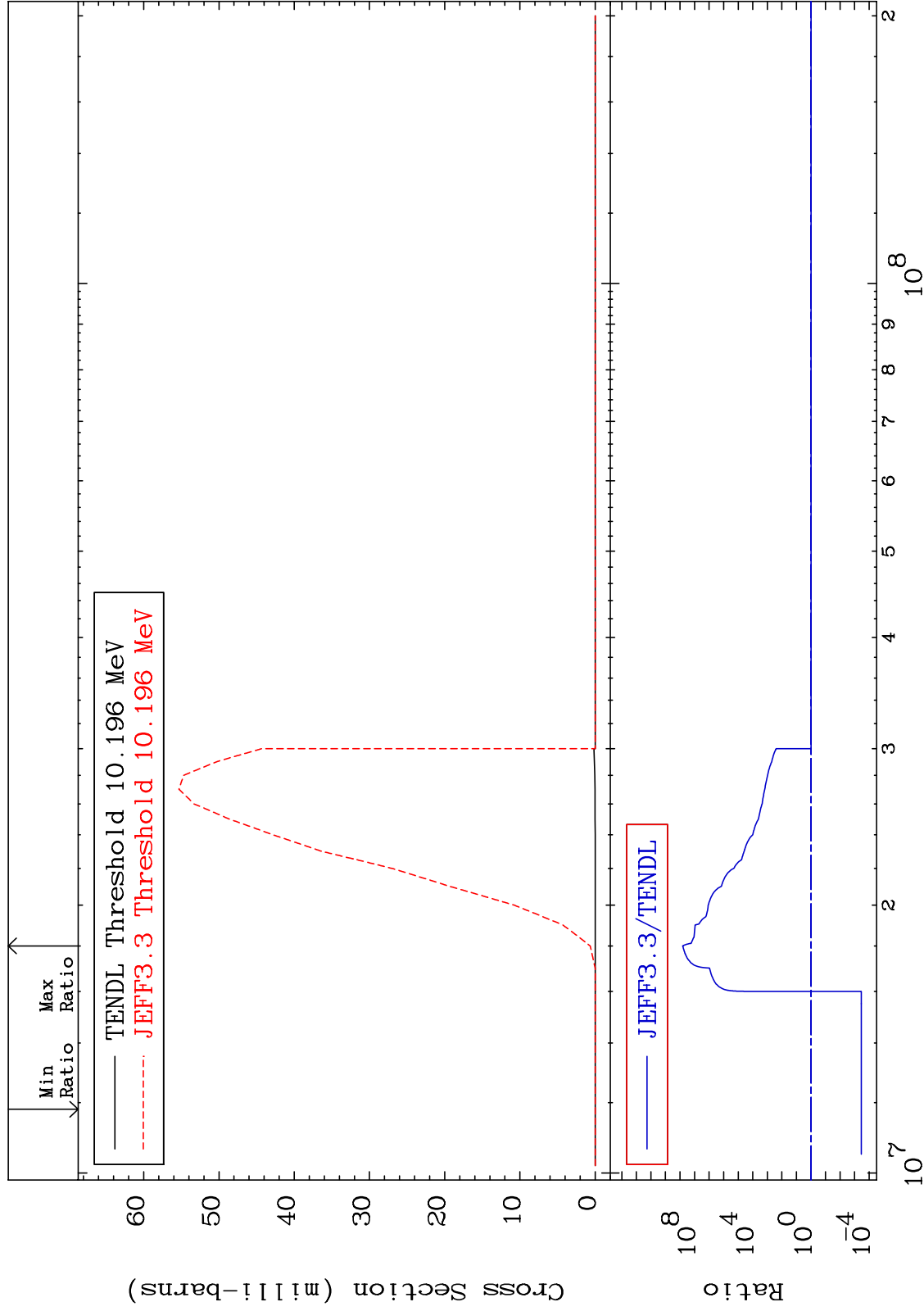
MAT 8434

(n,3n)  $\alpha$

84-Po-209

Cross Section

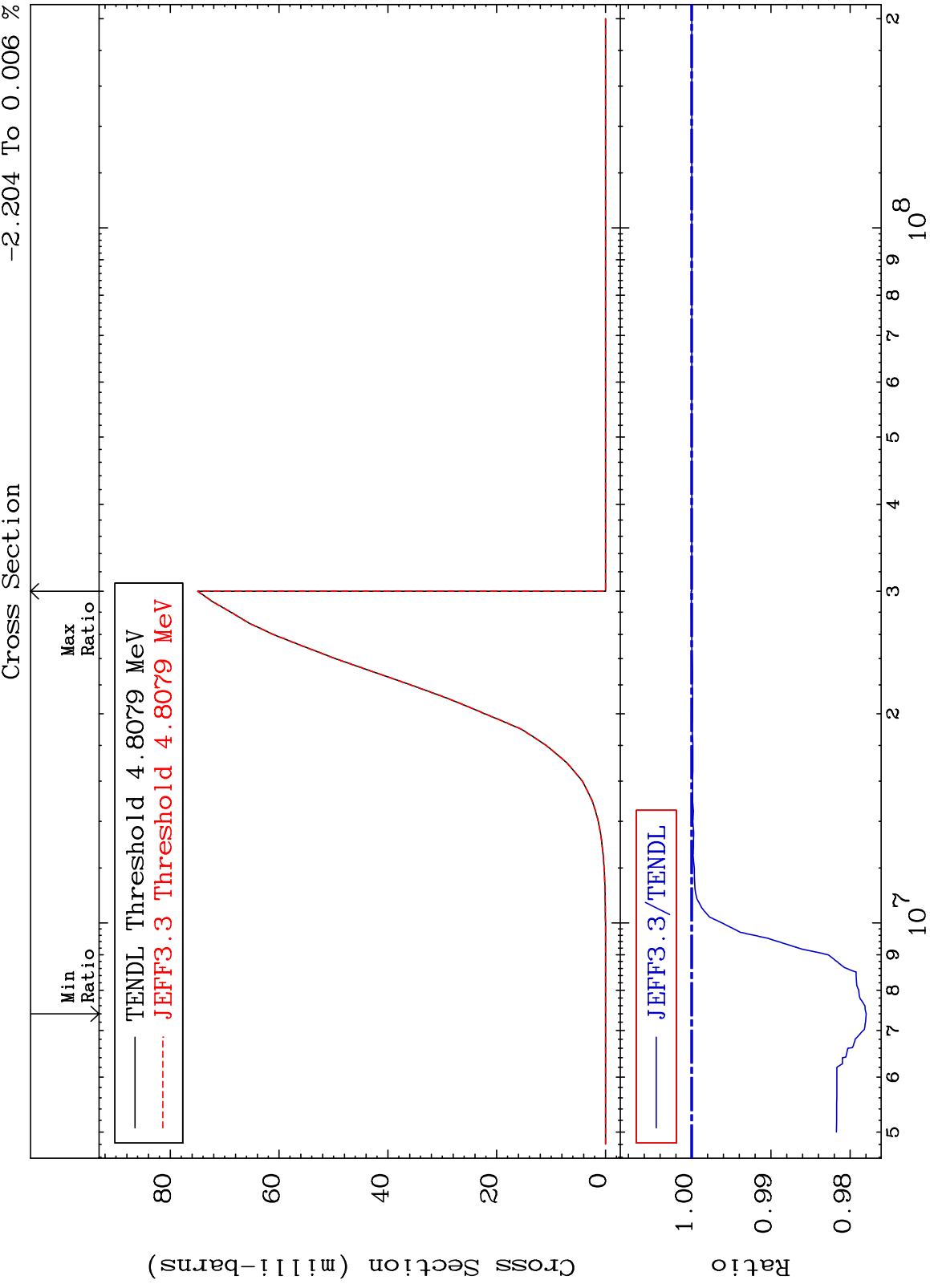
-99.97 To 9999. %



Incident Energy (eV)

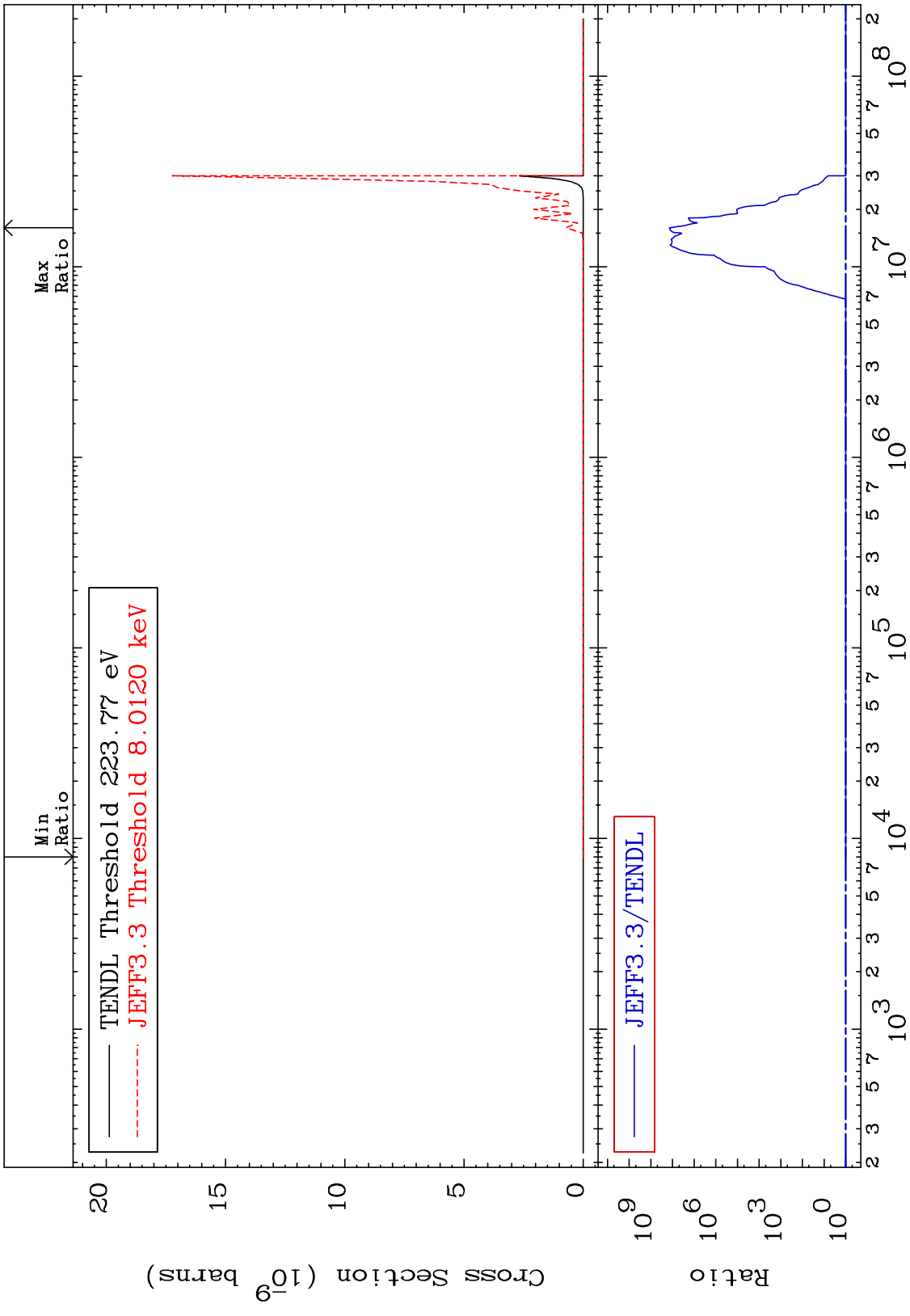
84-Po-209

MAT 8434  $(n, n')$  p 84-Po-209 -2.204 To 0.006 %

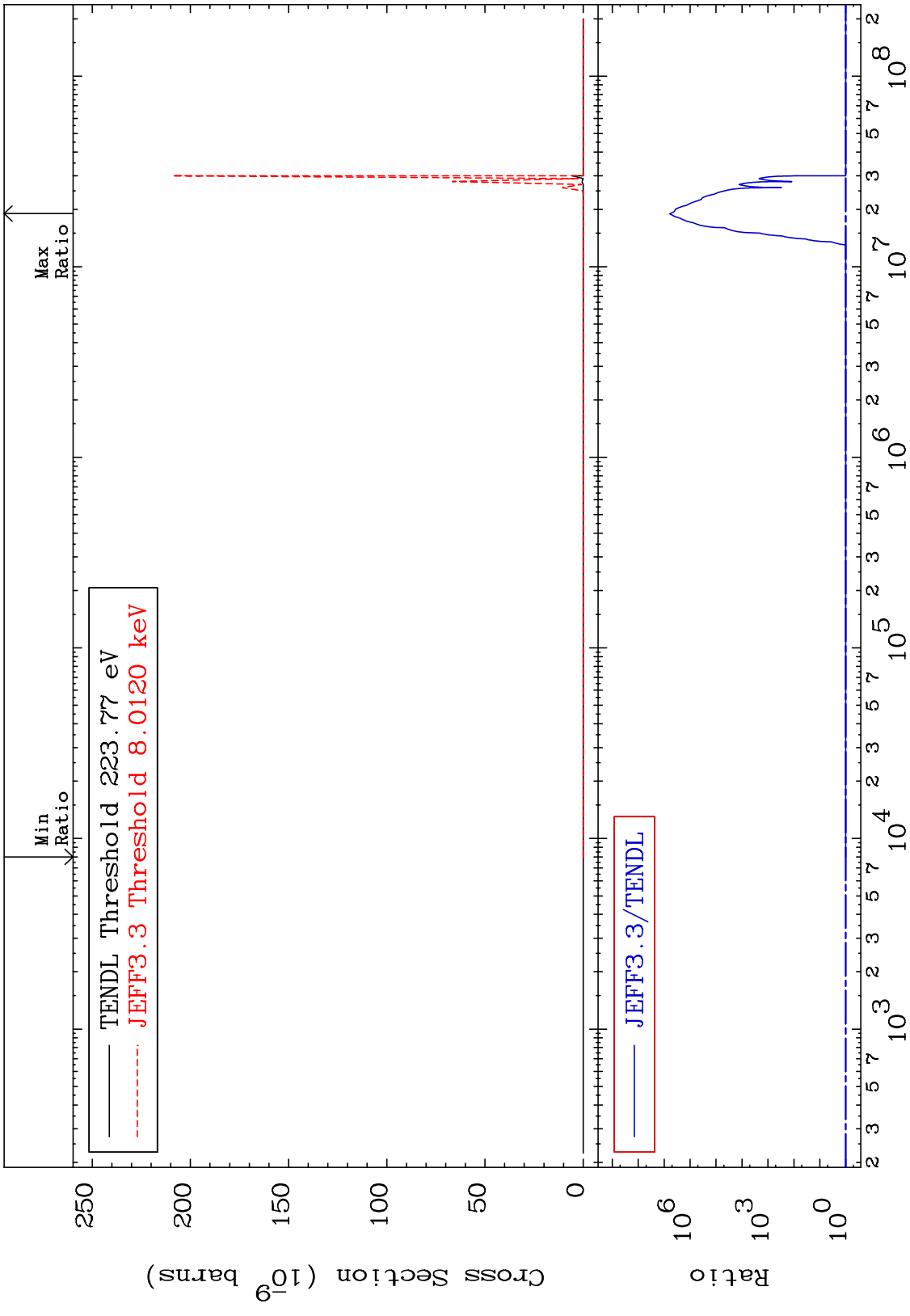


84-Po-209

MAT 8434 (n,n') 2α Cross Section 84-Po-209 To 9999. %



MAT 8434 (n,2n) 2α Cross Section 84-Po-209 To 9999. %



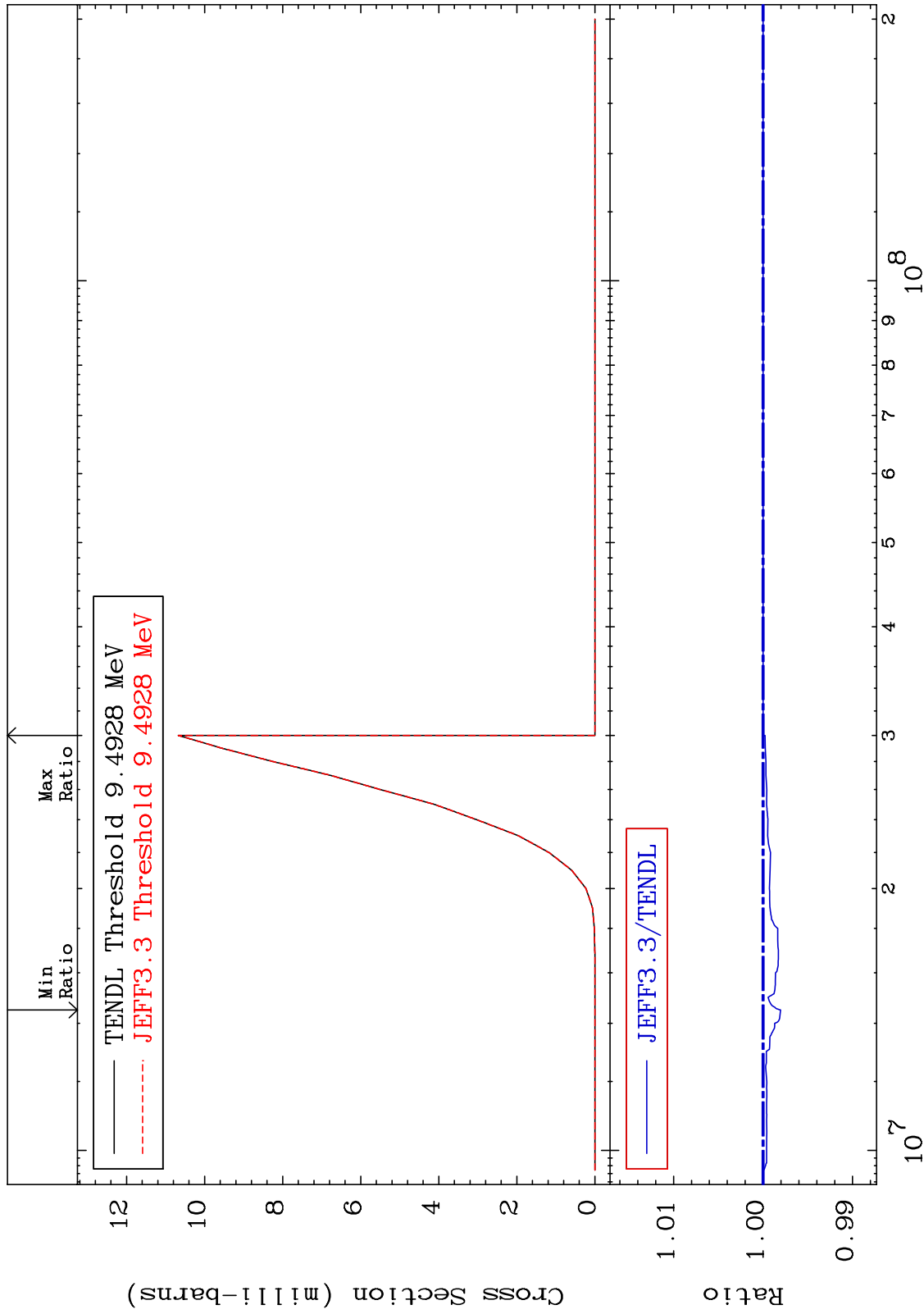
MAT 8434

(n, n') d

84-Po-209

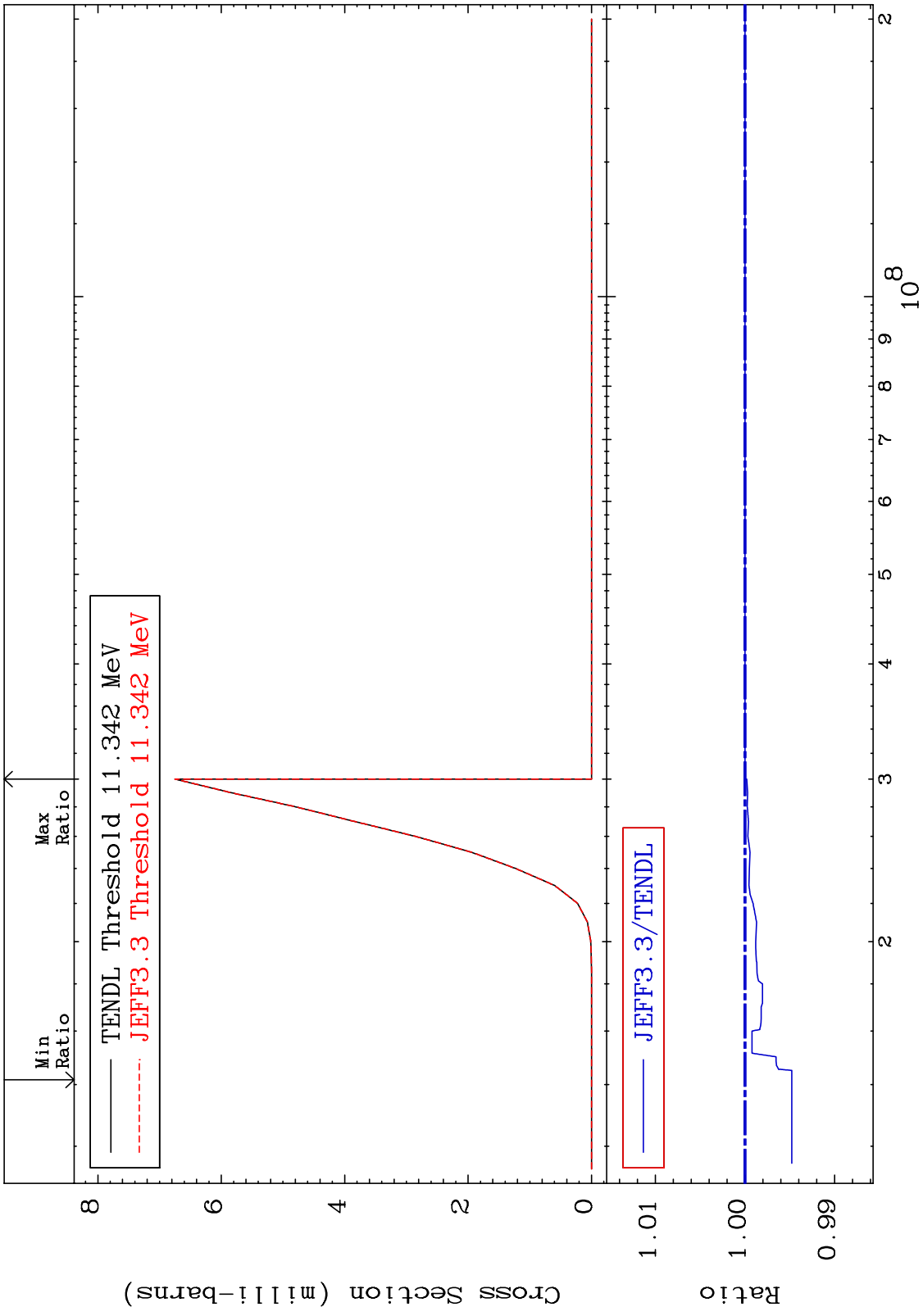
Cross Section

-0.197 To 0.000 %



84-Po-209

MAT 8434  $(n, n') t$  84-Po-209  
 Cross Section -0.522 To 0.000 %

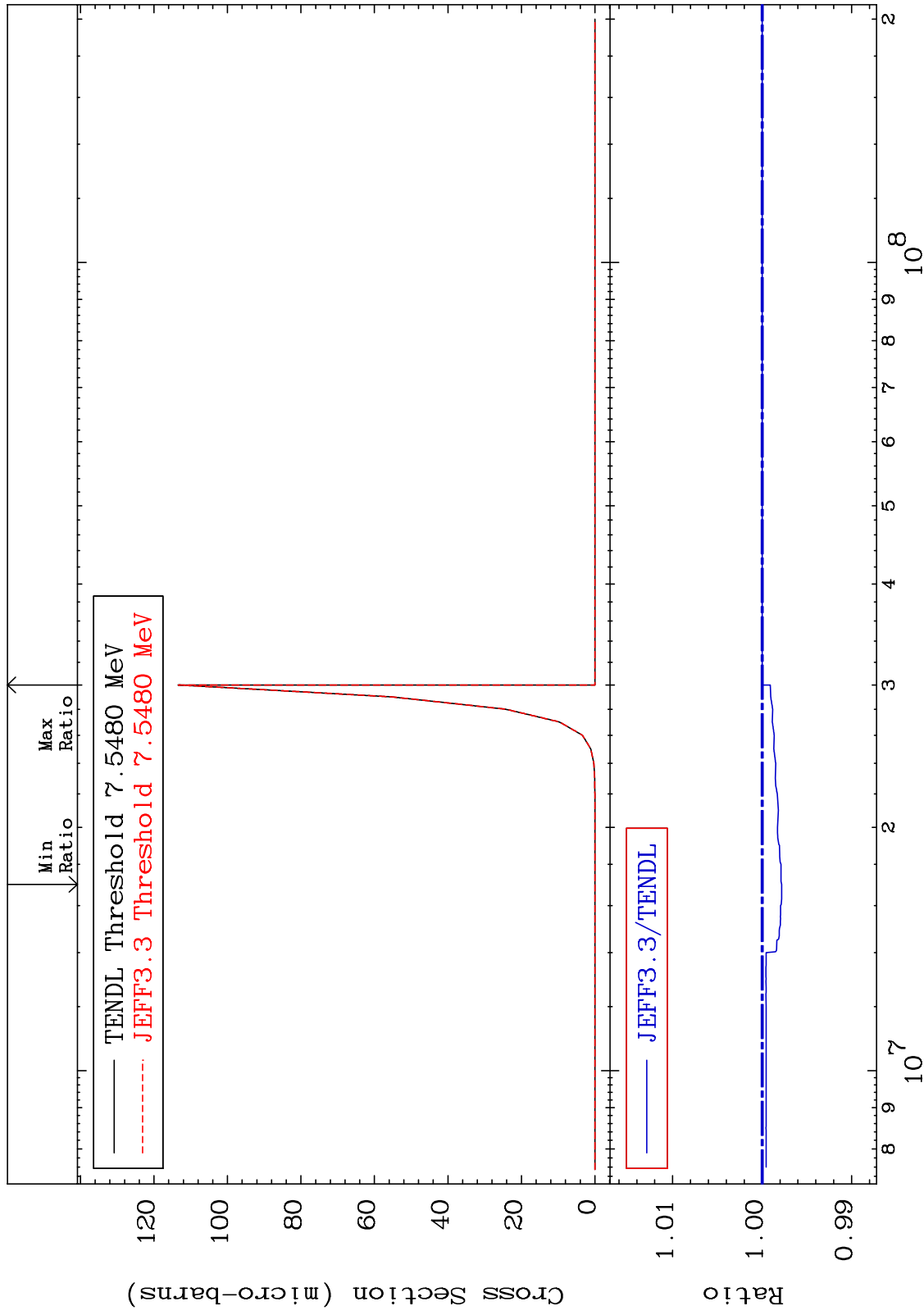


MAT 8434

(n, n') He-3

84-Po-209

-0.218 To 0.000 %

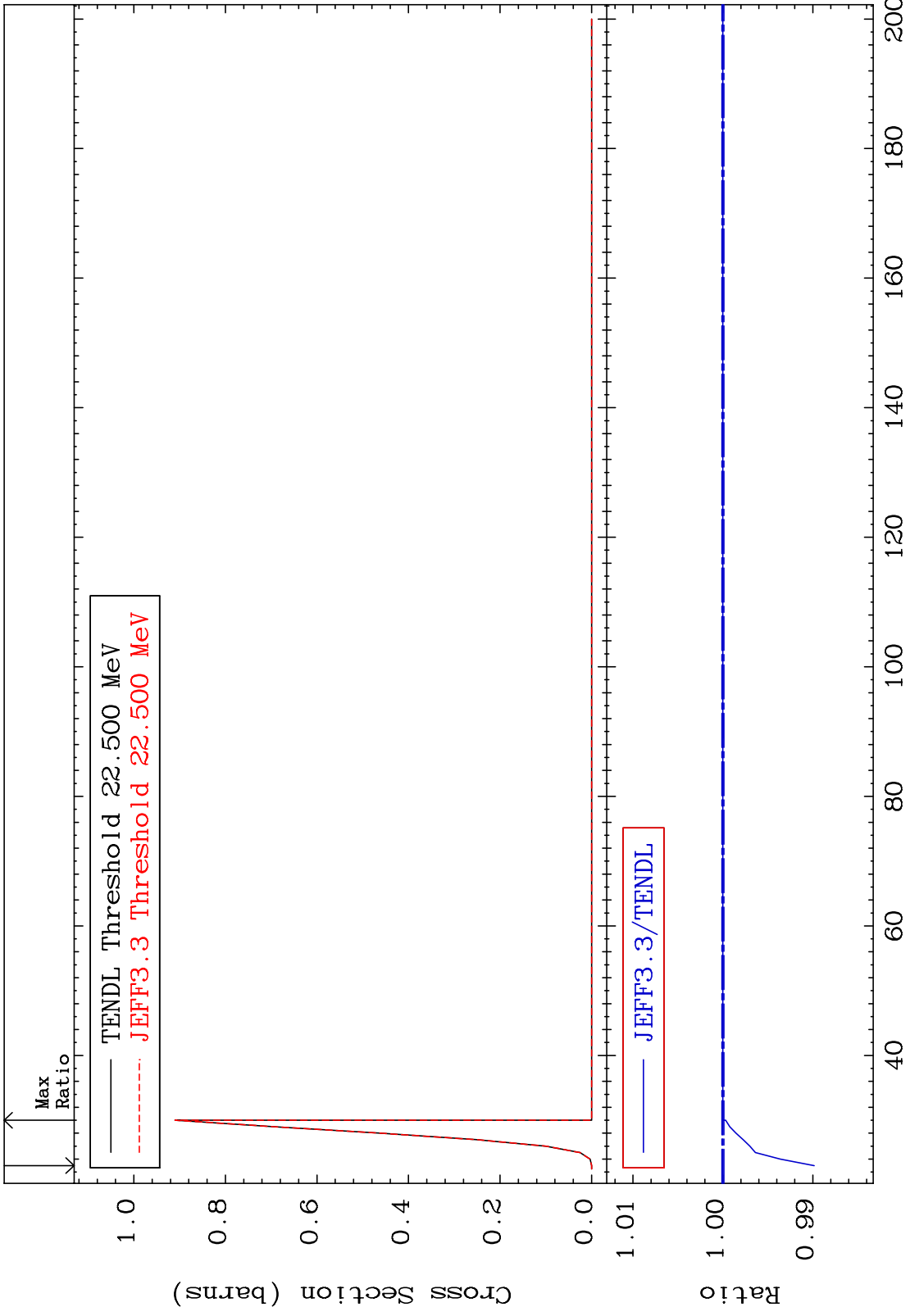


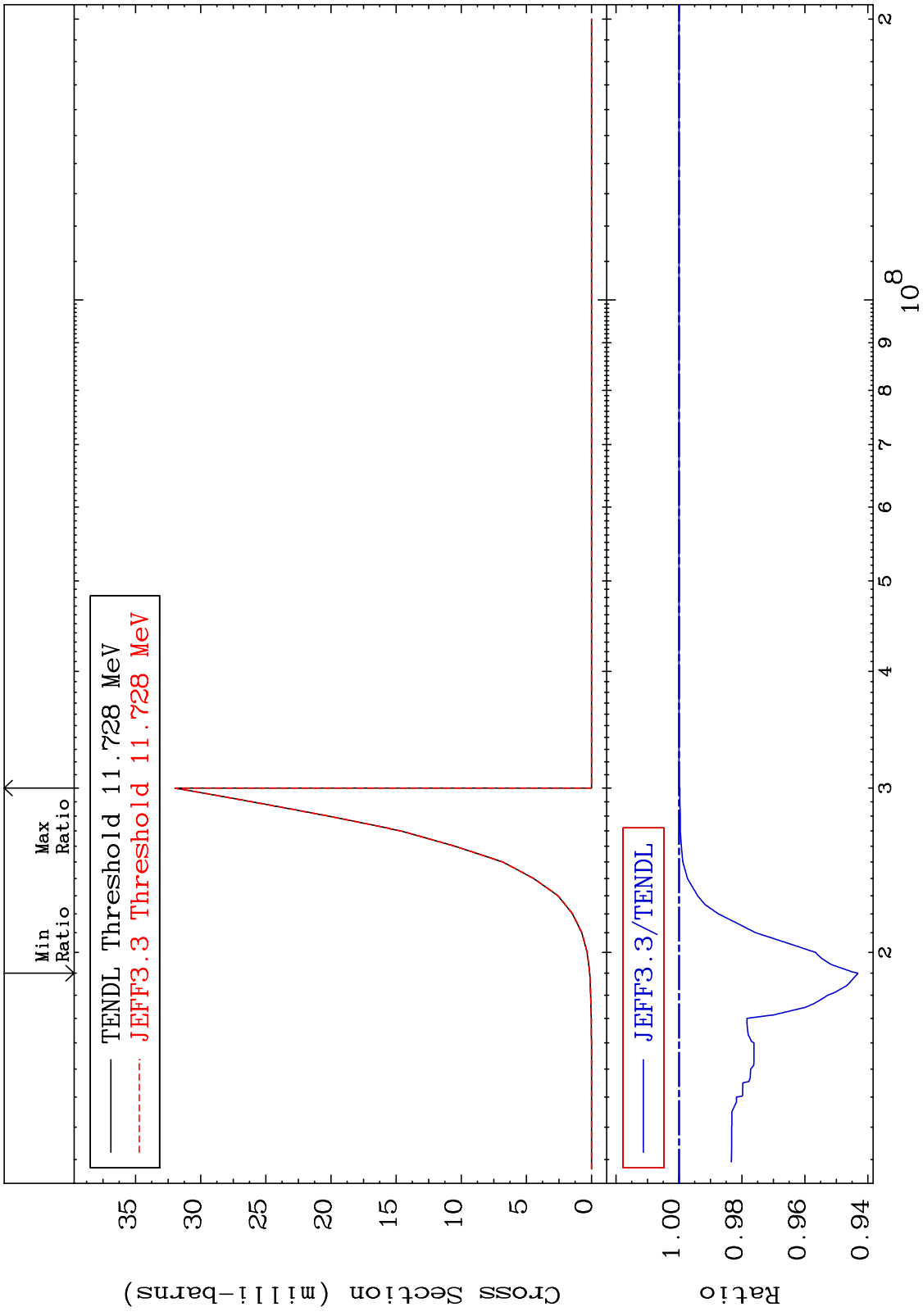
15

Incident Energy (eV)

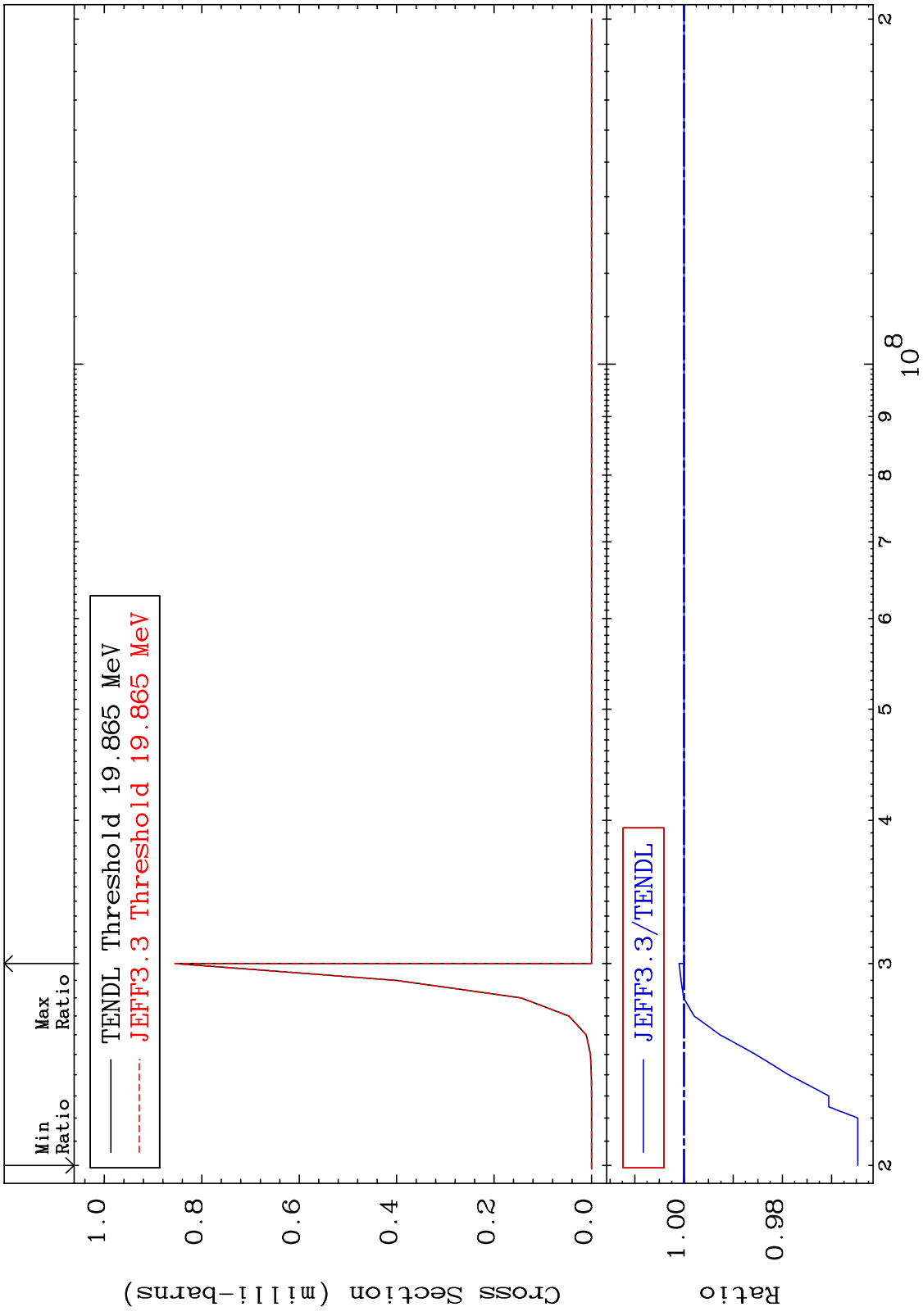
84-Po-209







MAT 8434 (n,3n) p 84-Po-209  
 Cross Section -3.533 To 0.100 %



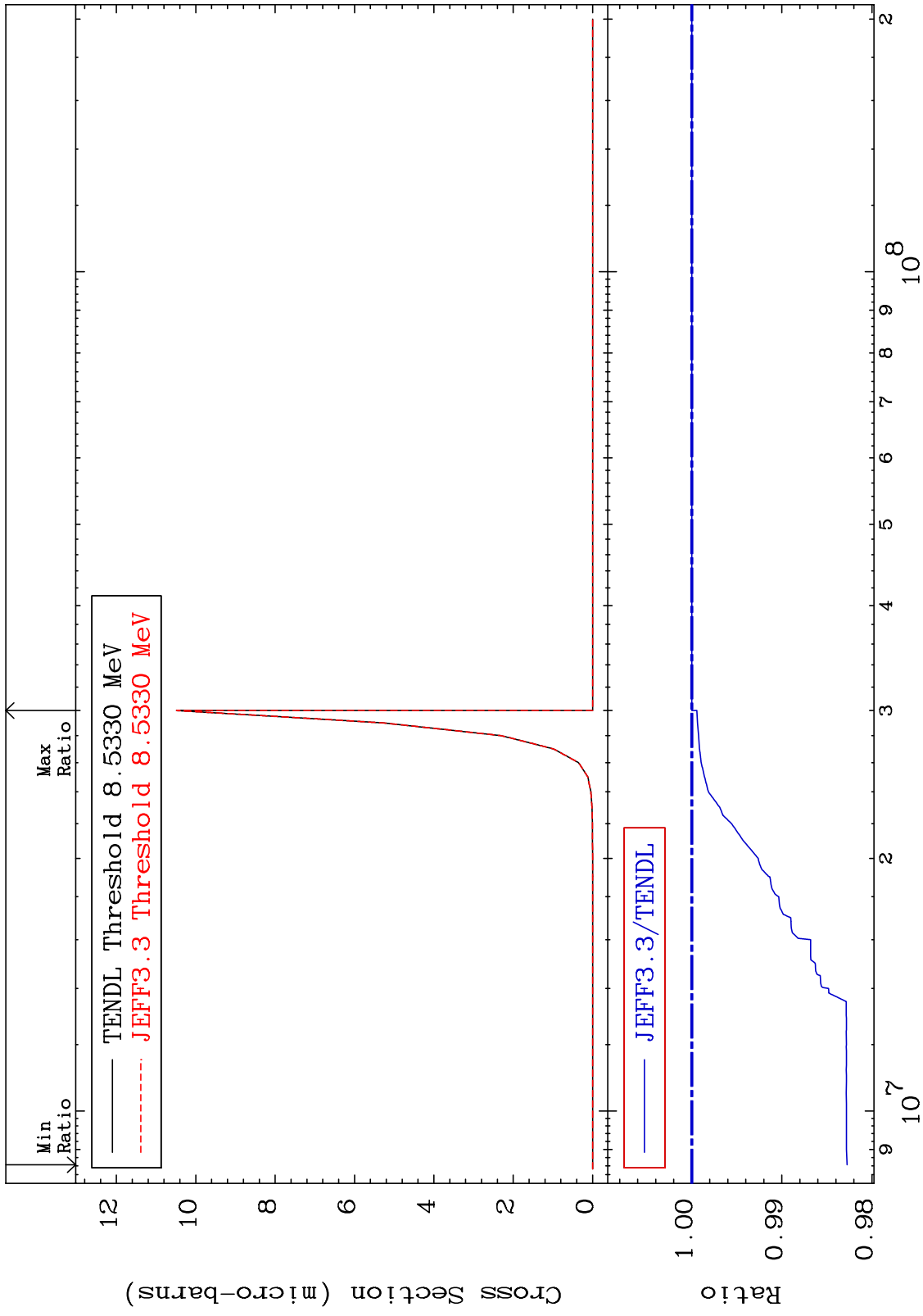
MAT 8434

(n,2n) p

84-Po-209

Cross Section

-1.724 To 0.000 %



19

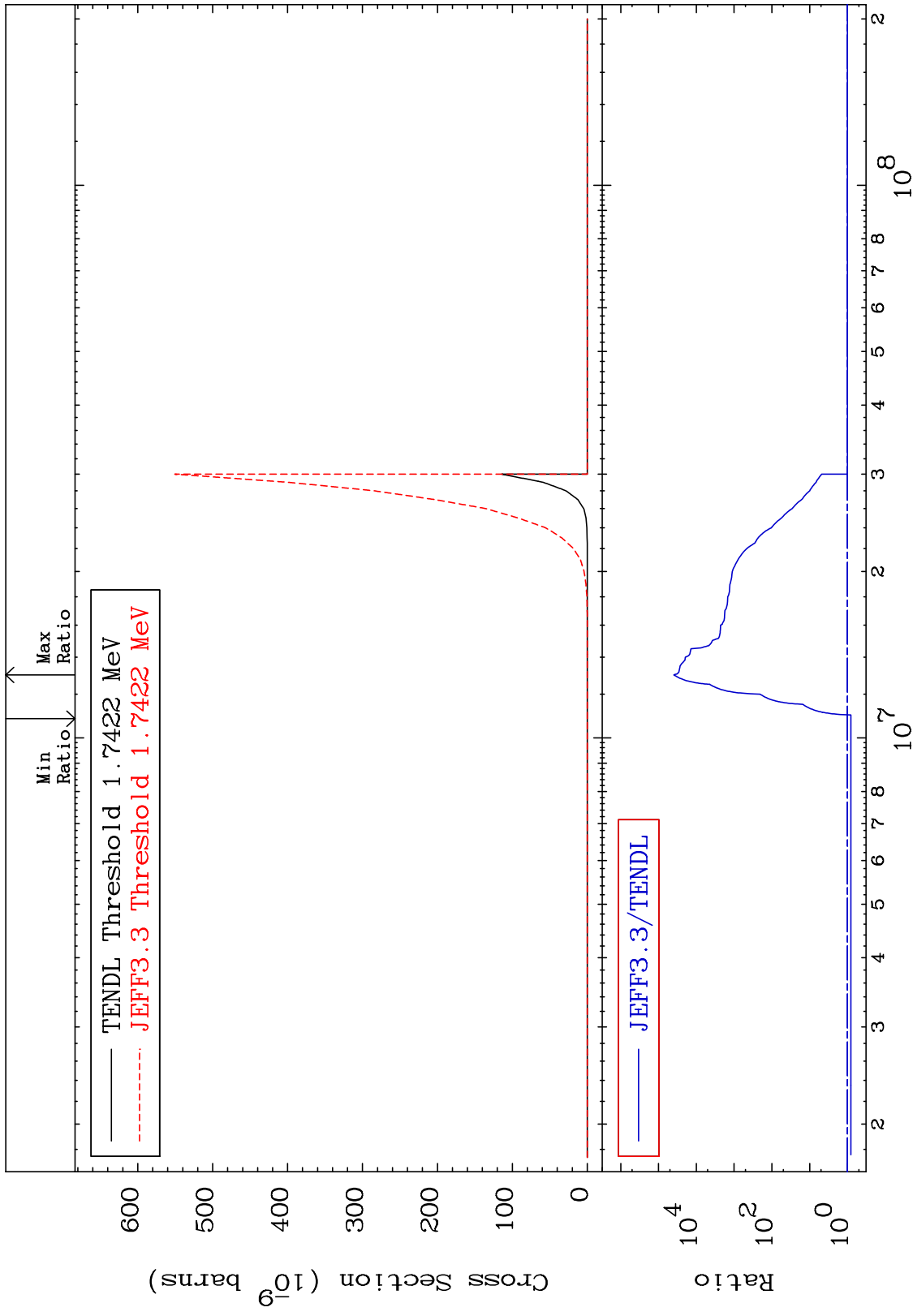
Incident Energy (eV)

84-Po-209

MAT 8434

(n,n') p  $\alpha$   
Cross Section

84-Po-209  
-19.14 To 9999. %

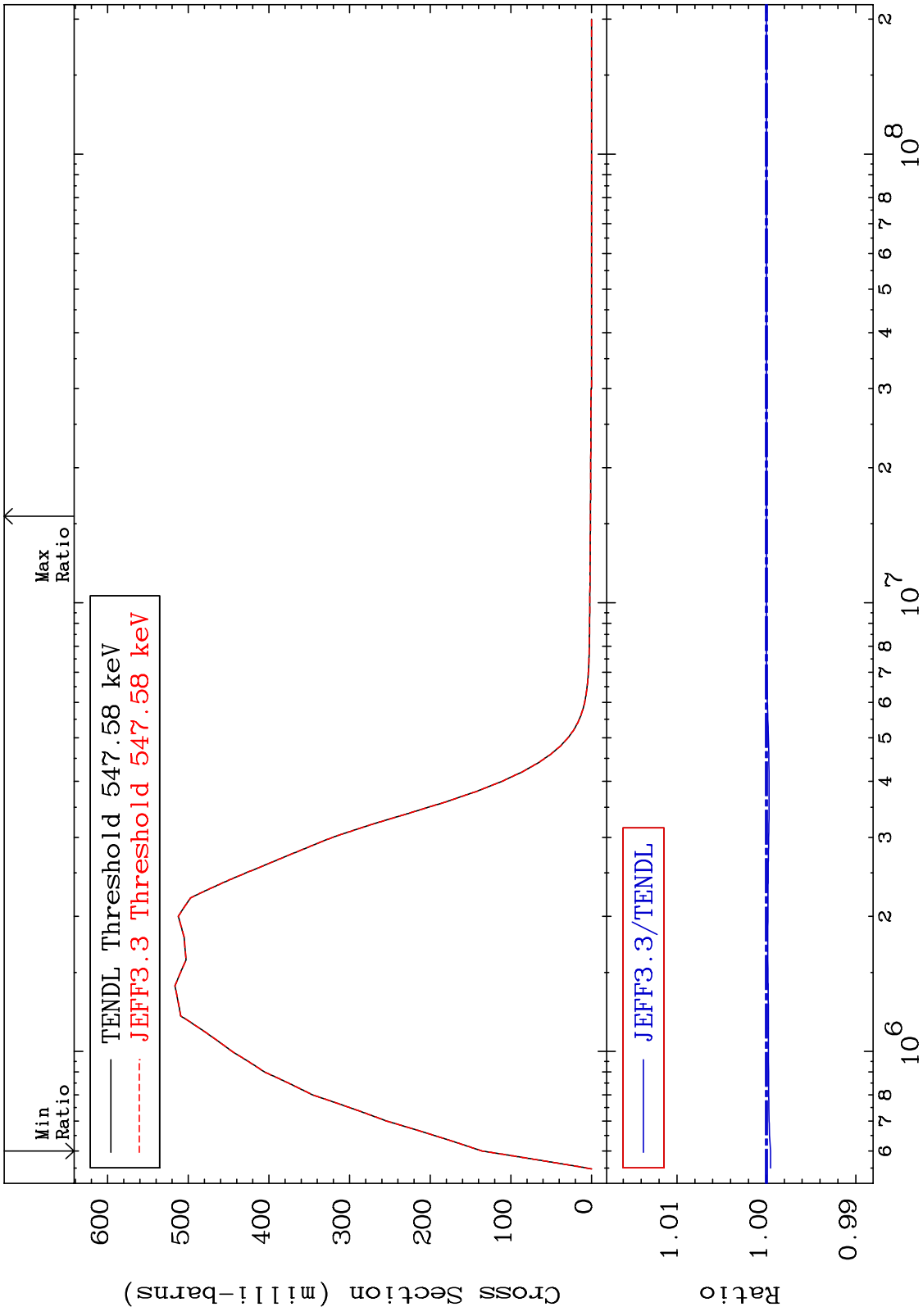


20

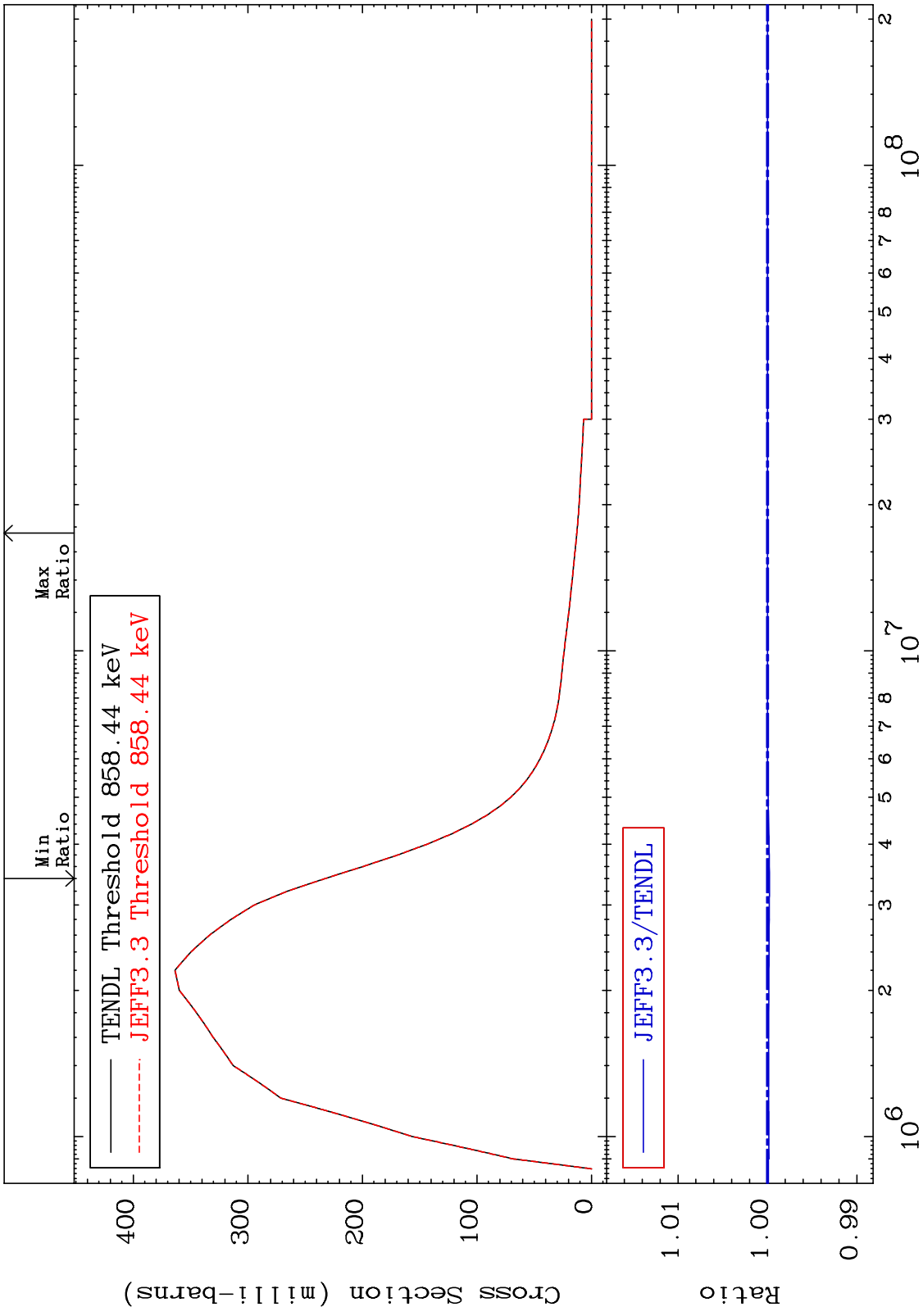
Incident Energy (eV)

84-Po-209

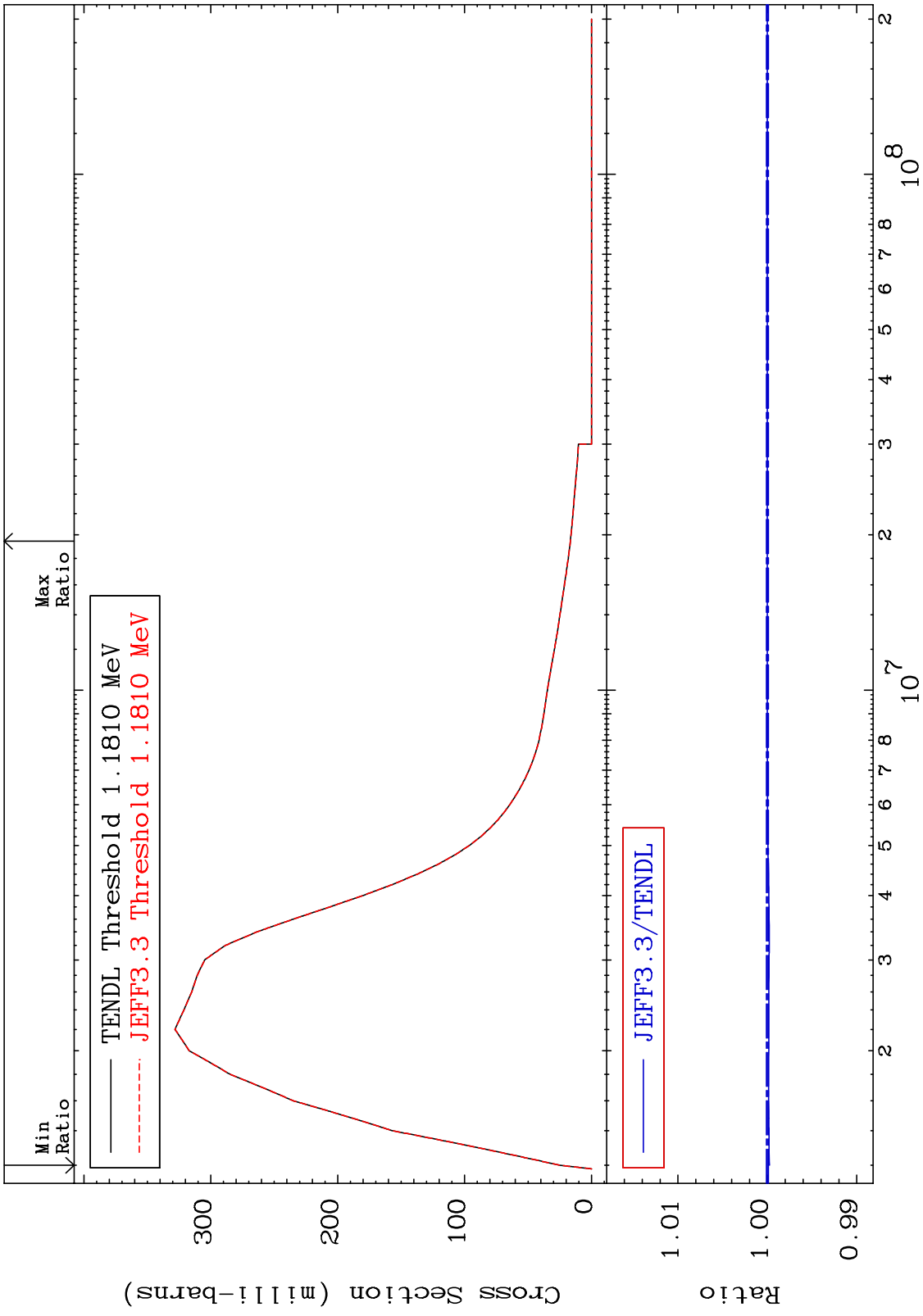
MAT 8434 MT= 51 (n,n') Level Cross Section -0.046 To 0.000 % 84-Po-209



MAT 8434 MT= 52 (n,n') Level Cross Section 84-Po-209 -0.022 To 0.000 %

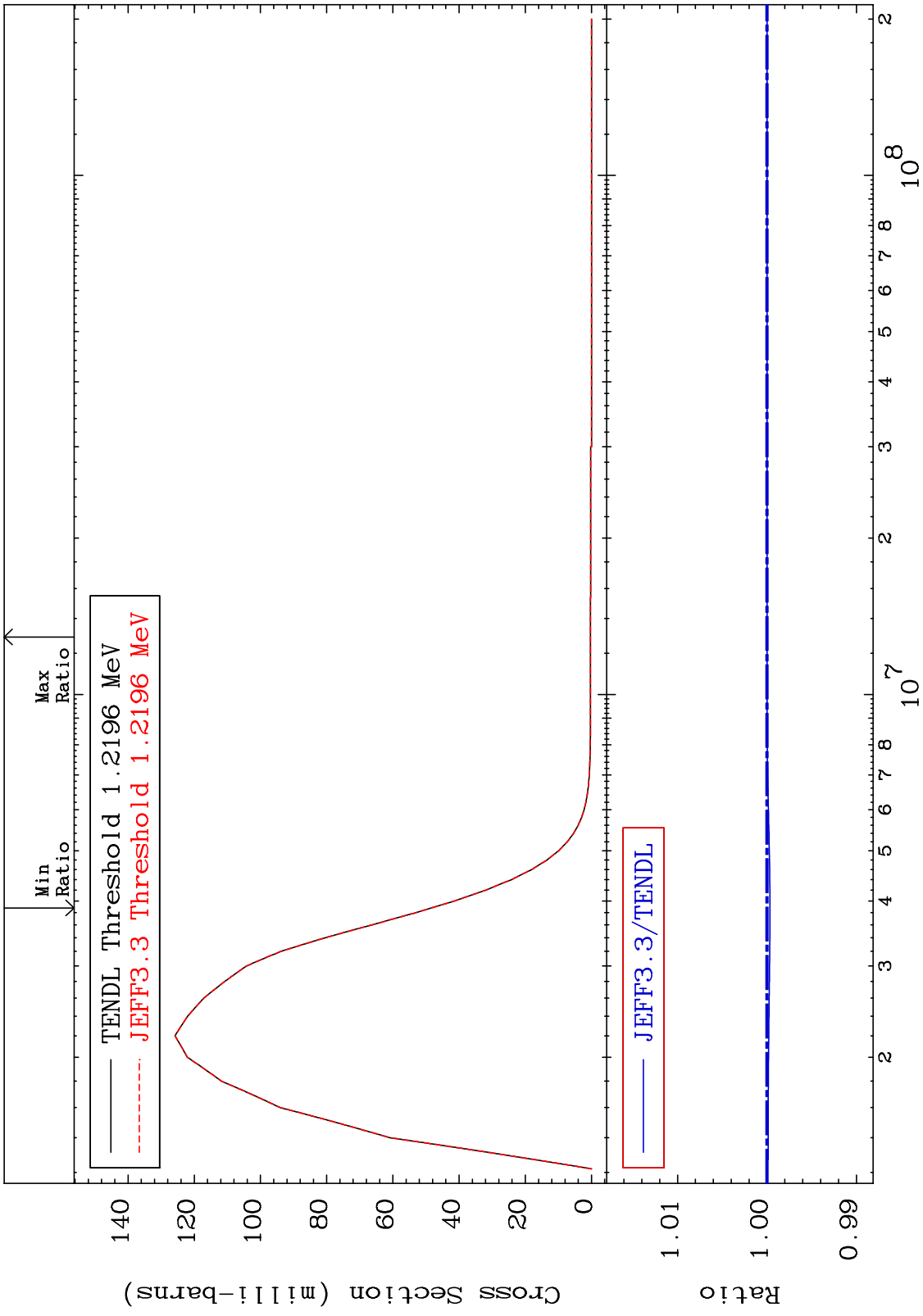


MAT 8434 MT= 53 (n, n') Level Cross Section 84-Po-209 -0.024 To 0.000 %

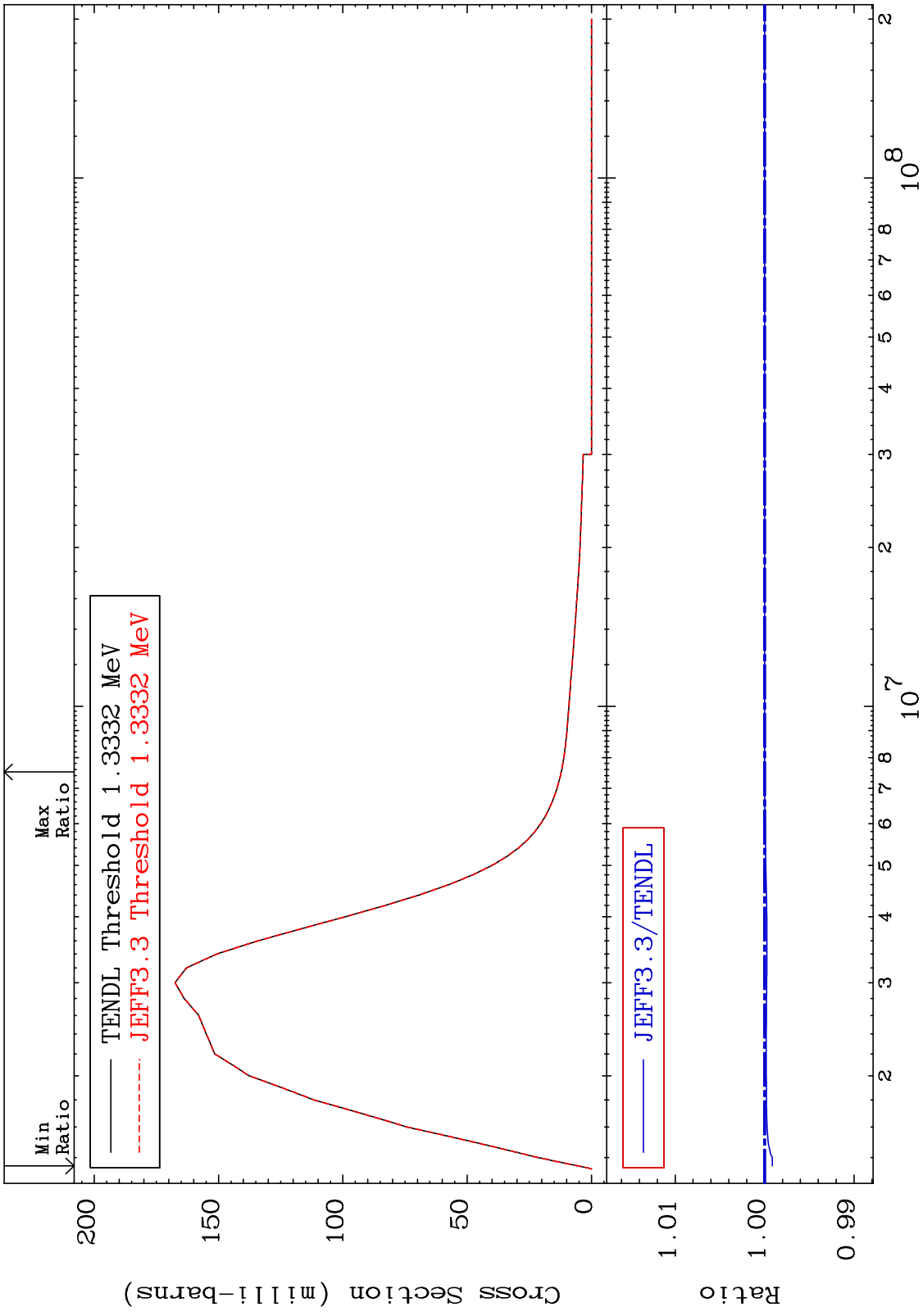




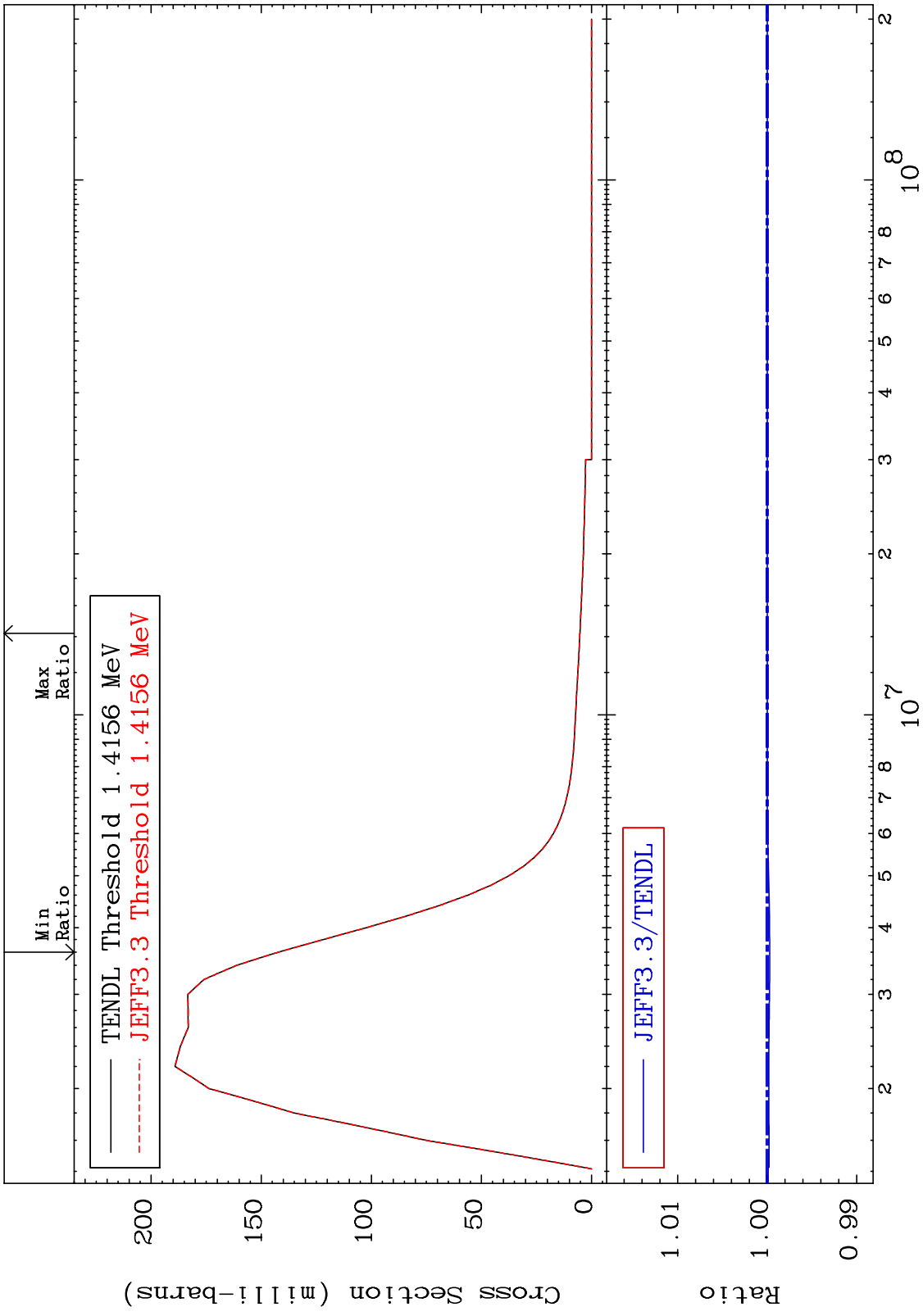
MAT 8434 MT= 54 (n,n') Level Cross Section 84-Po-209 -0.033 To 0.000 %



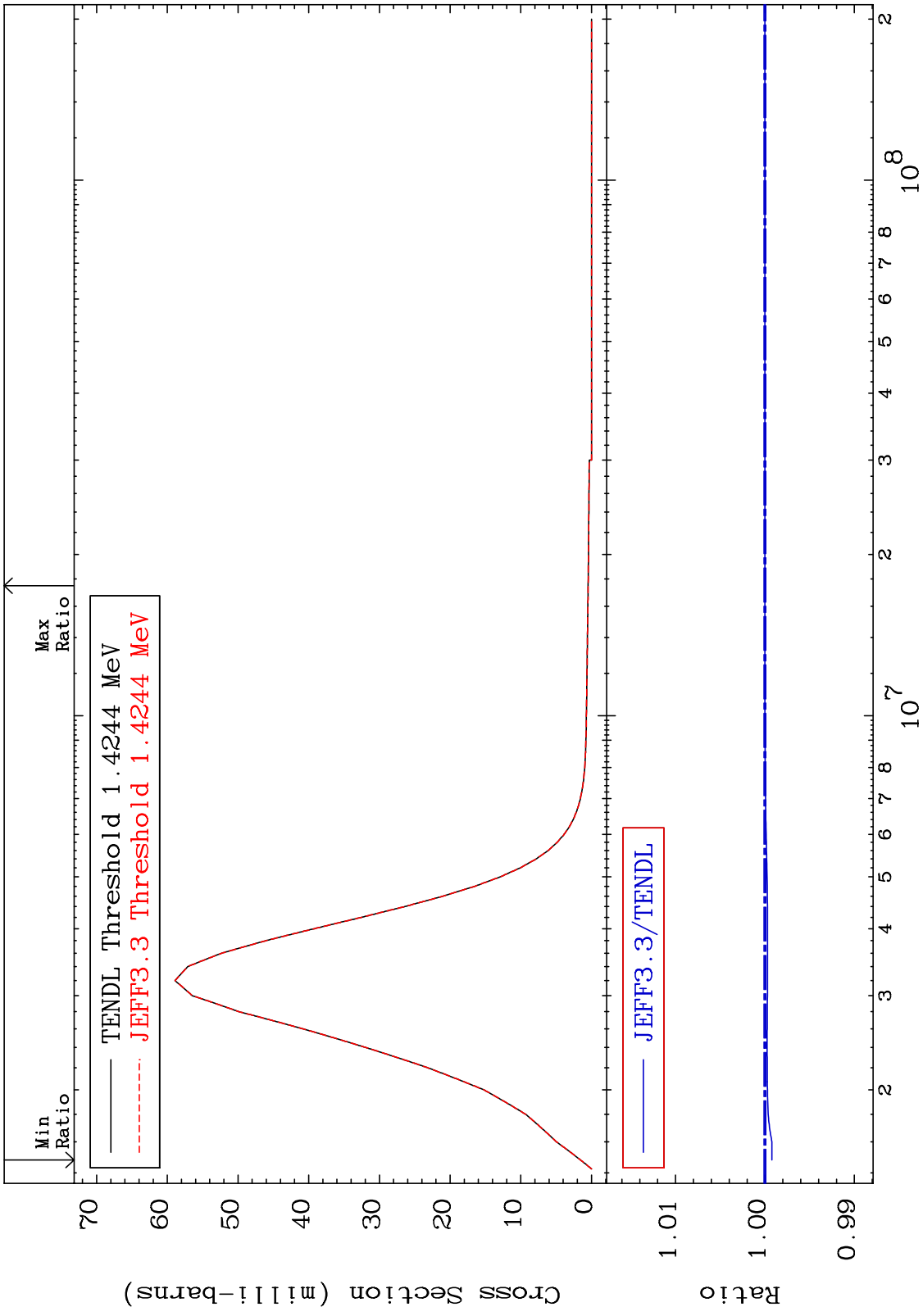
MAT 8434 MT= 55 (n,n') Level Cross Section 84-Po-209 -0.086 To 0.000 %



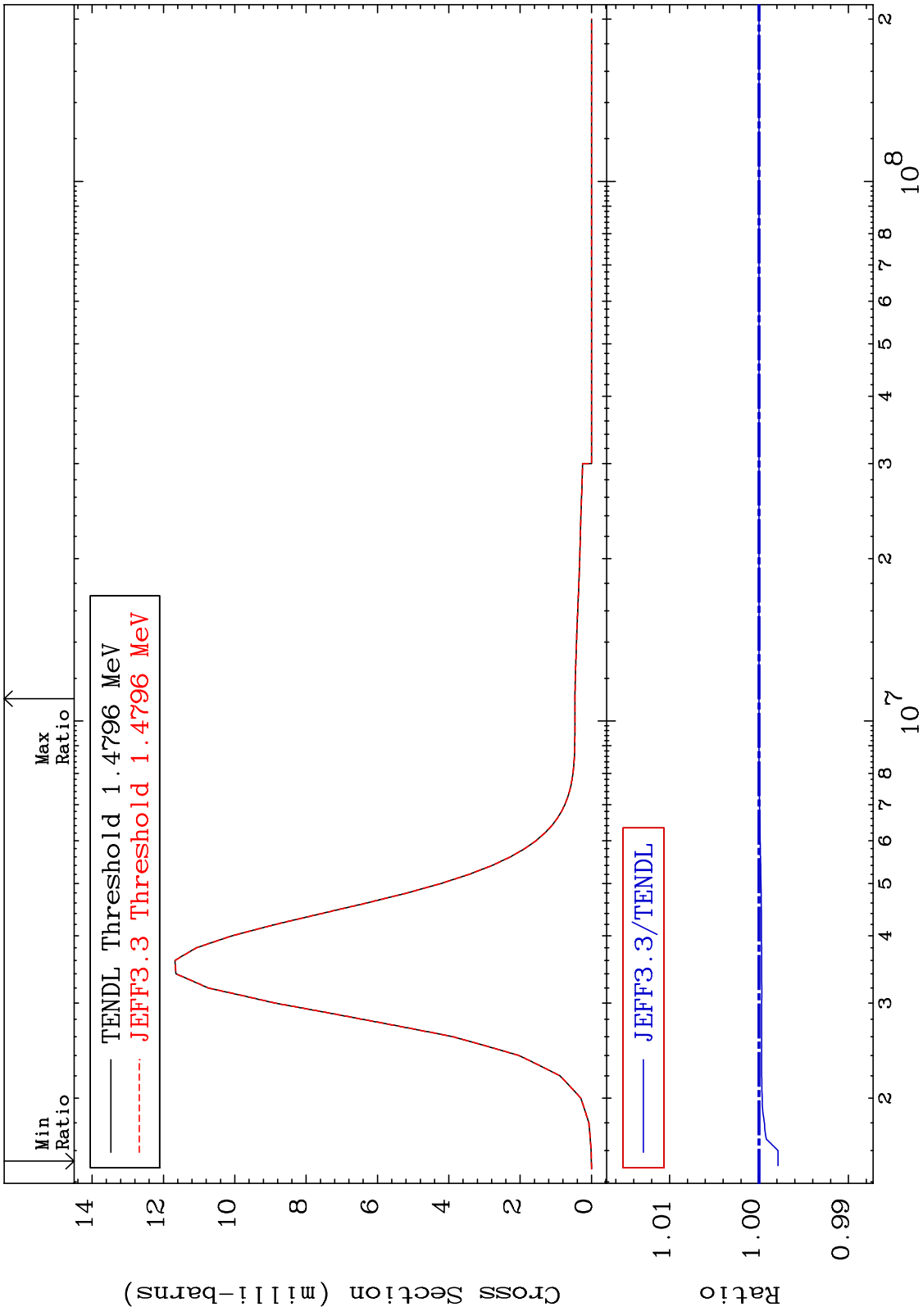
MAT 8434 MT= 56 (n,n') Level Cross Section 84-Po-209 -0.028 To 0.000 %



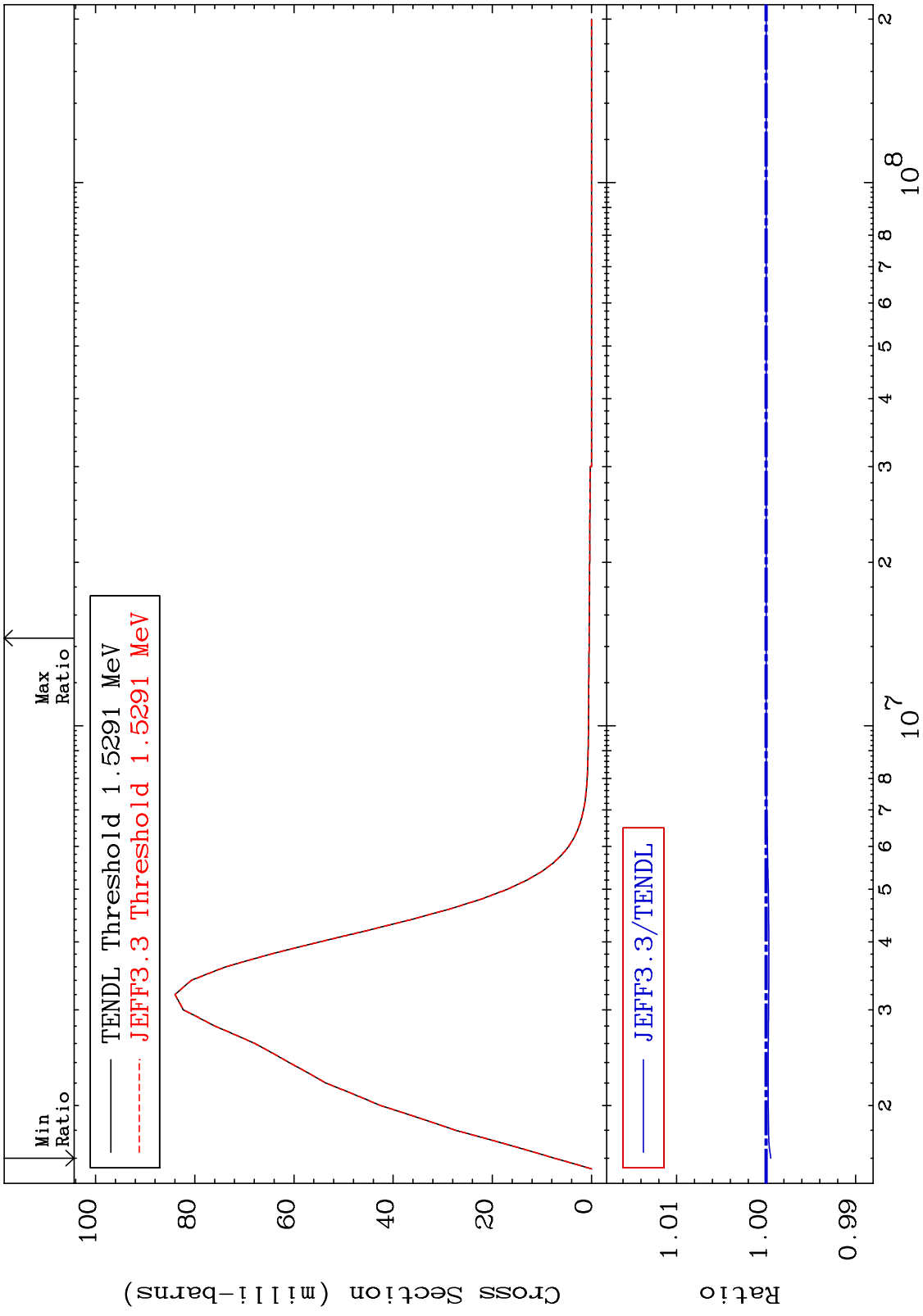
MAT 8434 MT= 57 (n,n') Level Cross Section 84-Po-209 -0.078 To 0.000 %



MAT 8434 MT= 58 (n,n') Level Cross Section 84-Po-209 -0.211 To 0.000 %



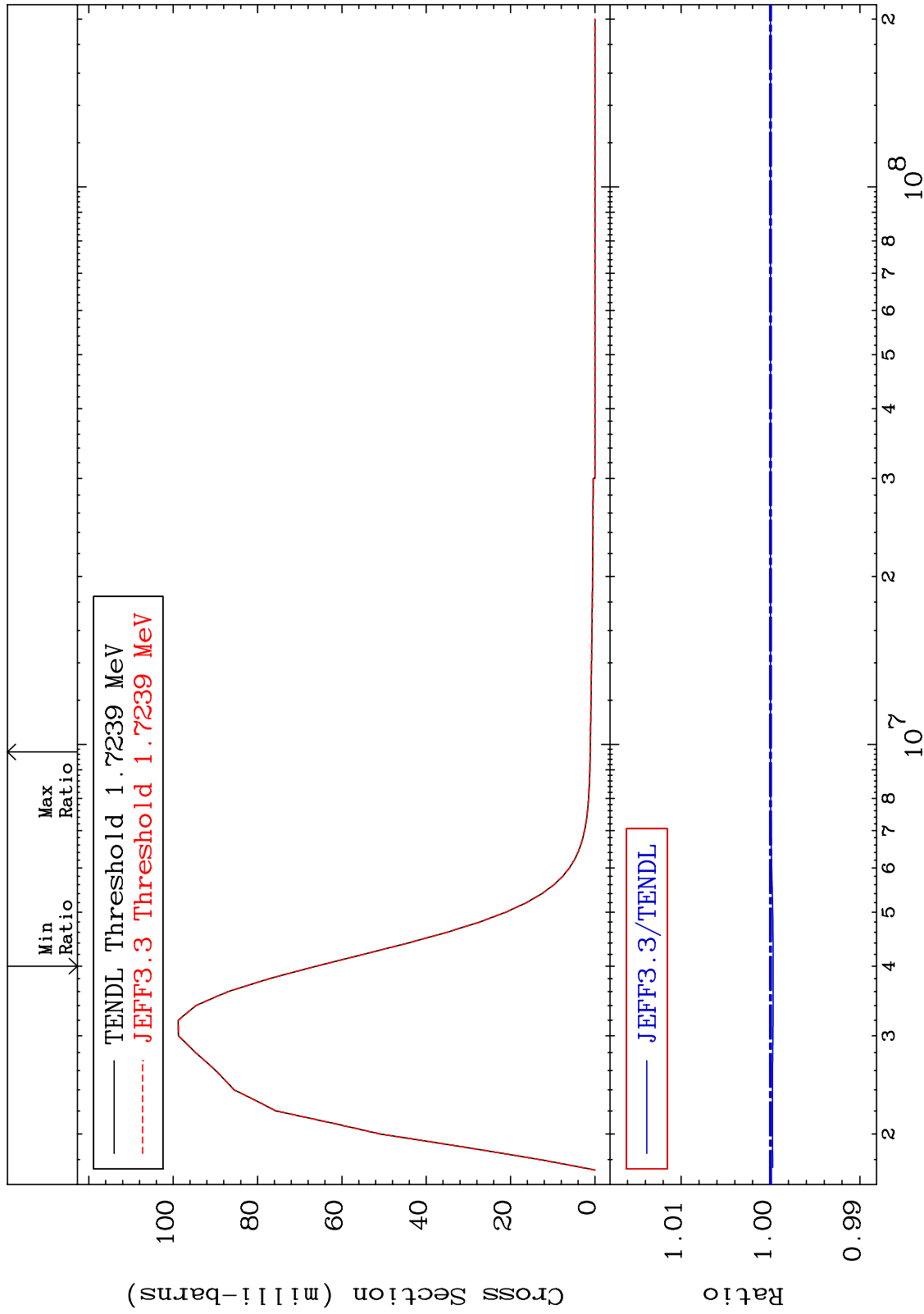
MAT 8434 MT= 59 (n,n') Level Cross Section 84-Po-209 -0.053 To 0.000 %



MAT 8434

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

84-Po-209  
-0.030 To 0.000 %

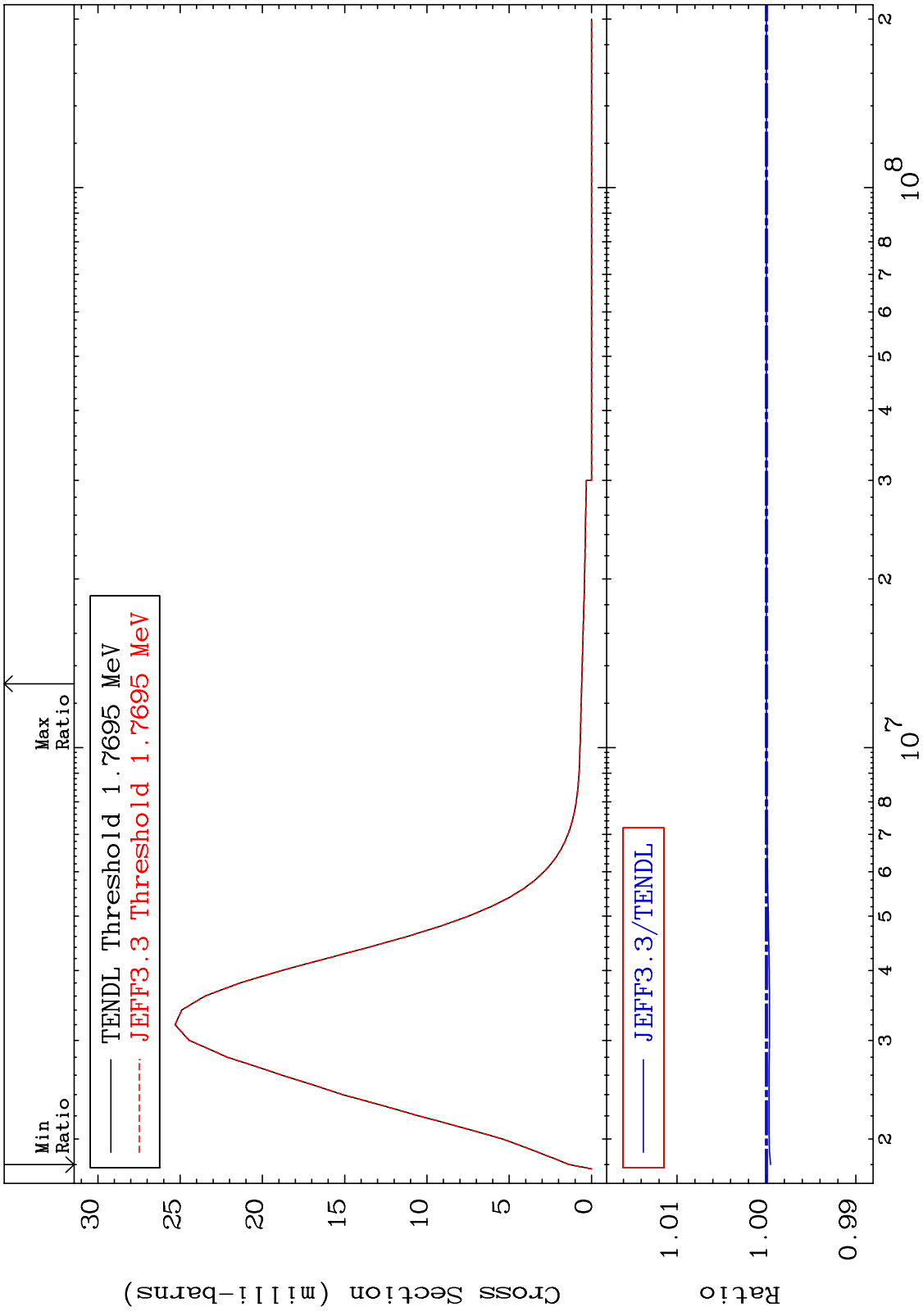


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Incident Energy (eV)

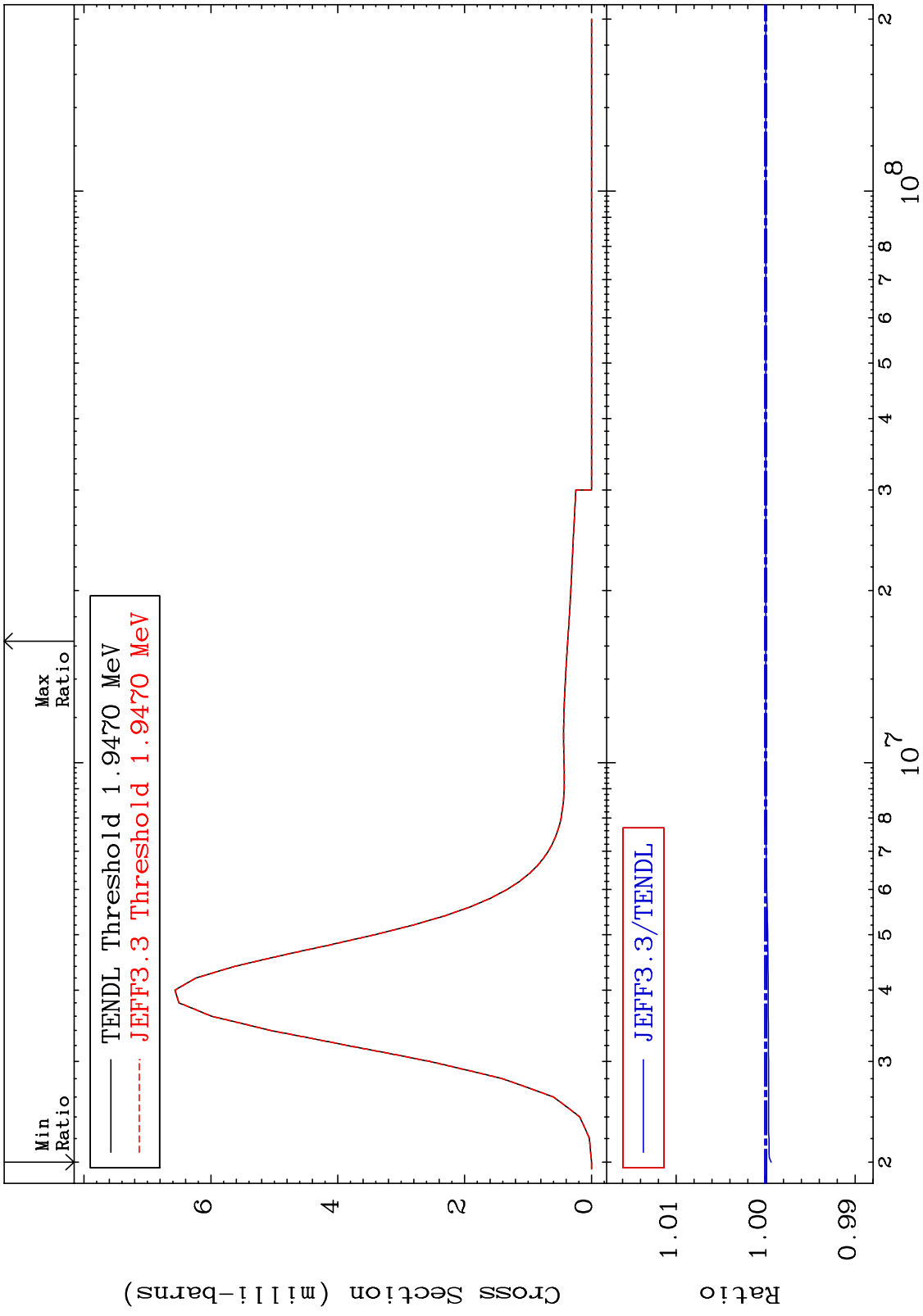
84-Po-209

MAT 8434 MT= 61 (n,n') Level Cross Section 84-Po-209 -0.046 To 0.000 %

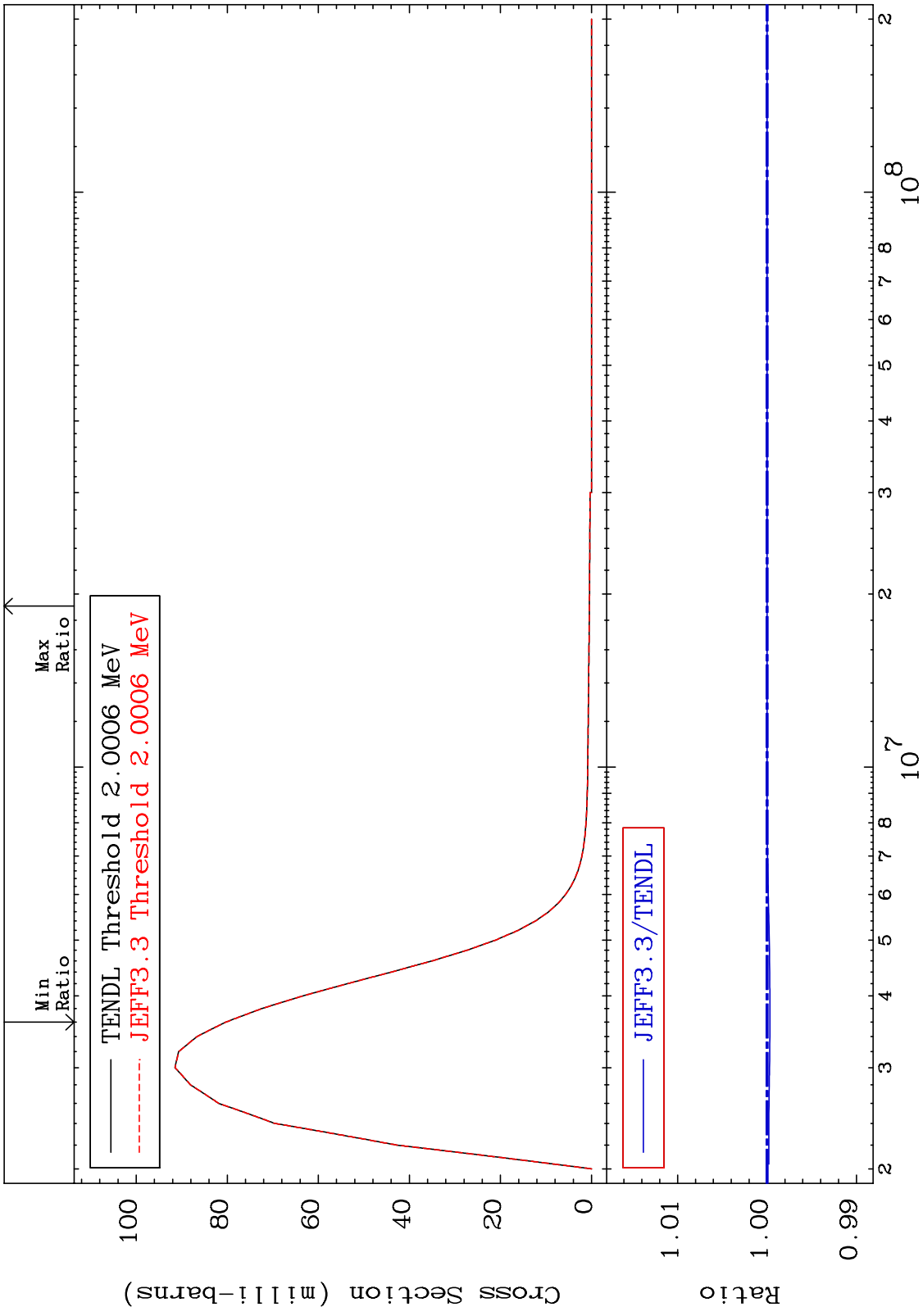




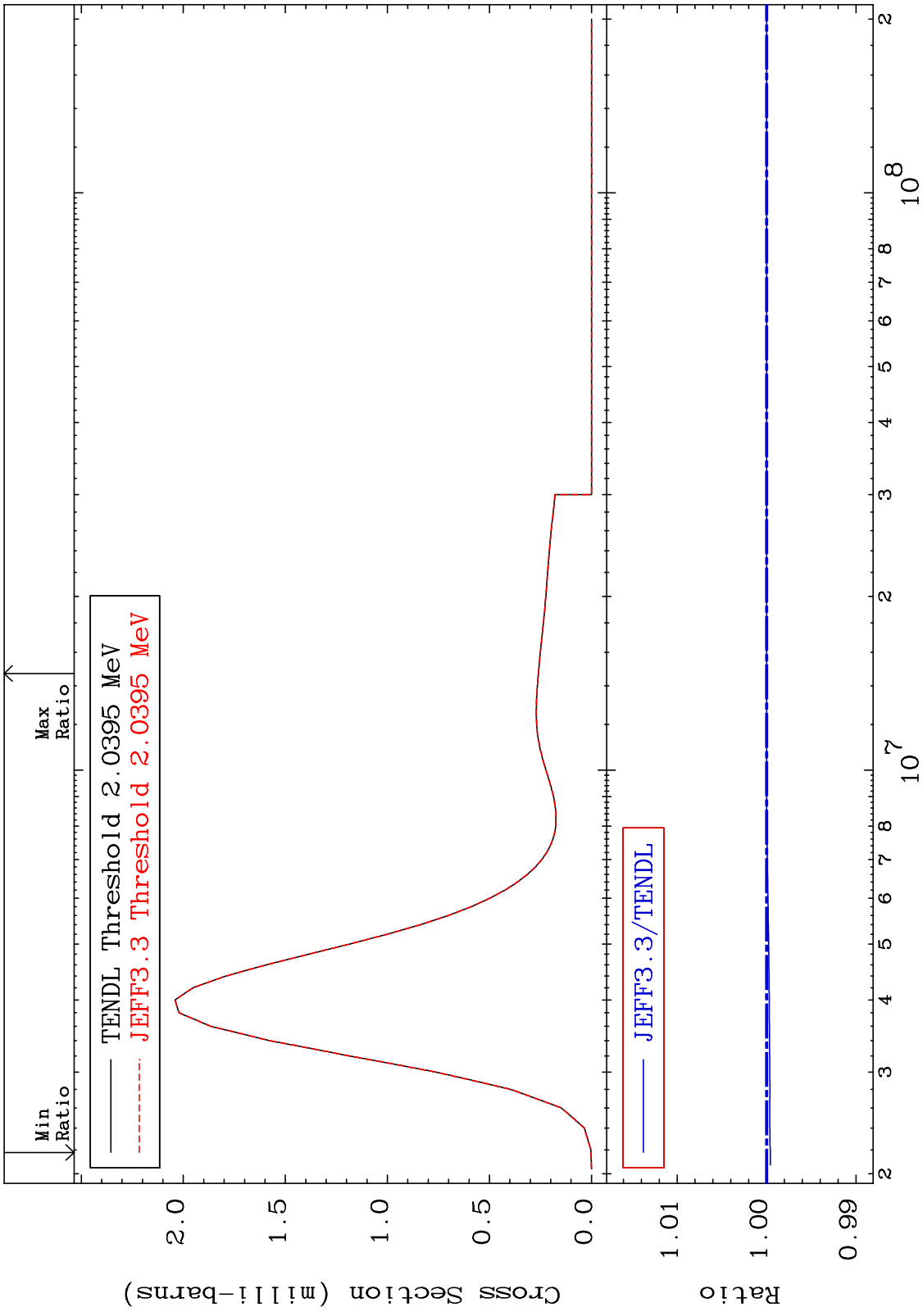
MAT 8434 MT= 62 (n,n') Level Cross Section 84-Po-209 -0.062 To 0.000 %



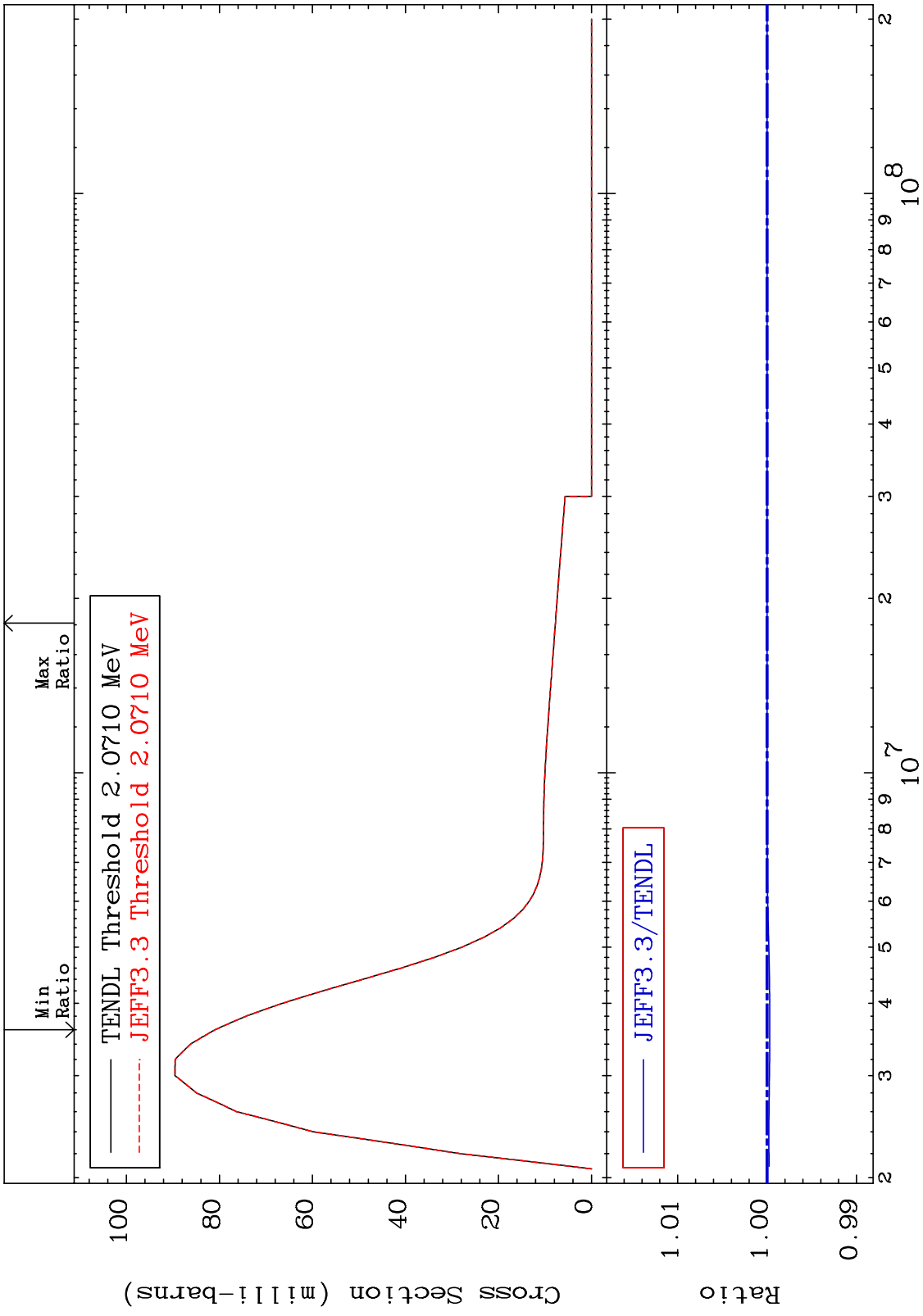
MAT 8434 MT= 63 (n,n') Level Cross Section 84-Po-209 -0.032 To 0.000 %



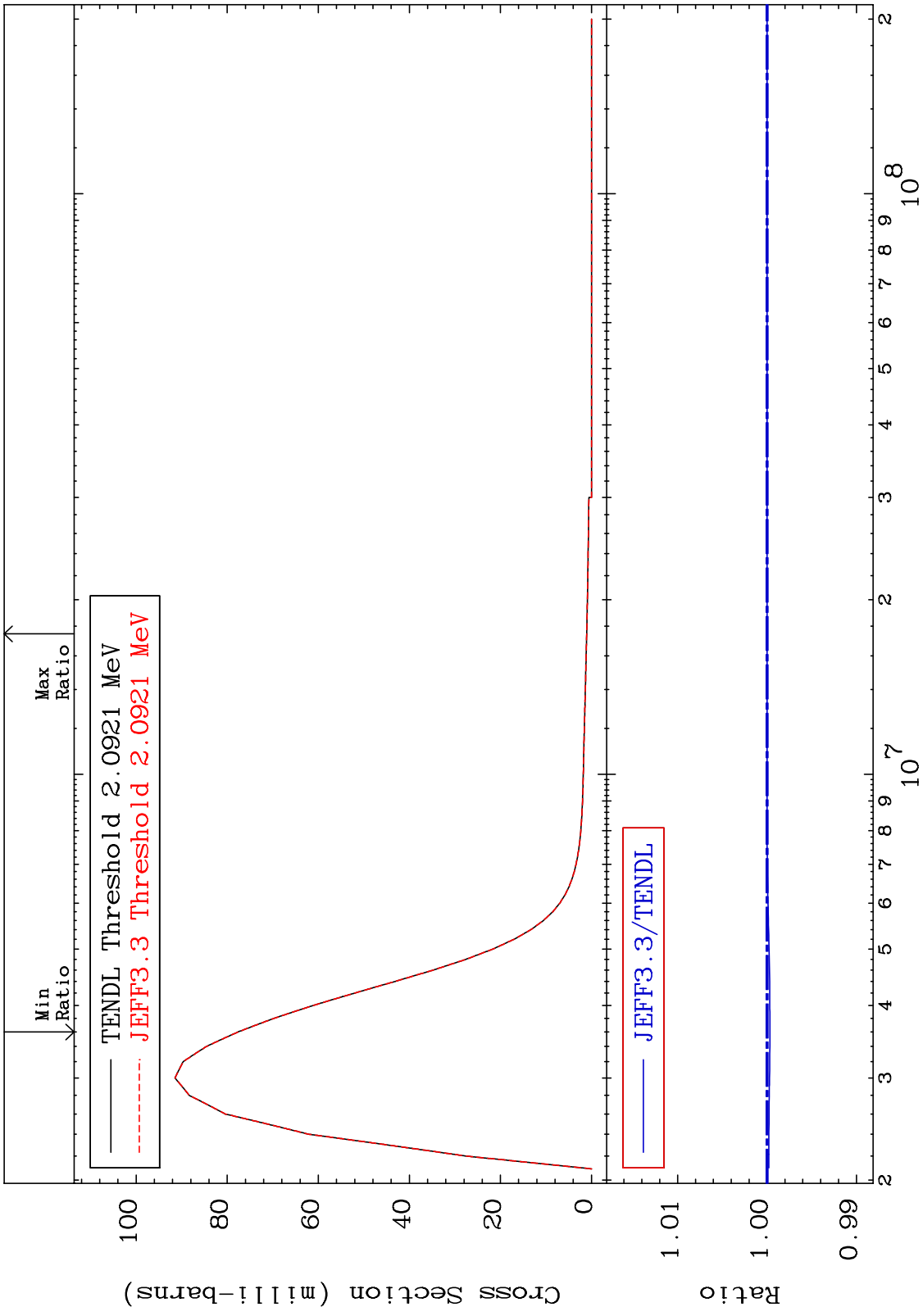
MAT 8434 MT= 64 (n,n') Level Cross Section 84-Po-209 -0.042 To 0.000 %



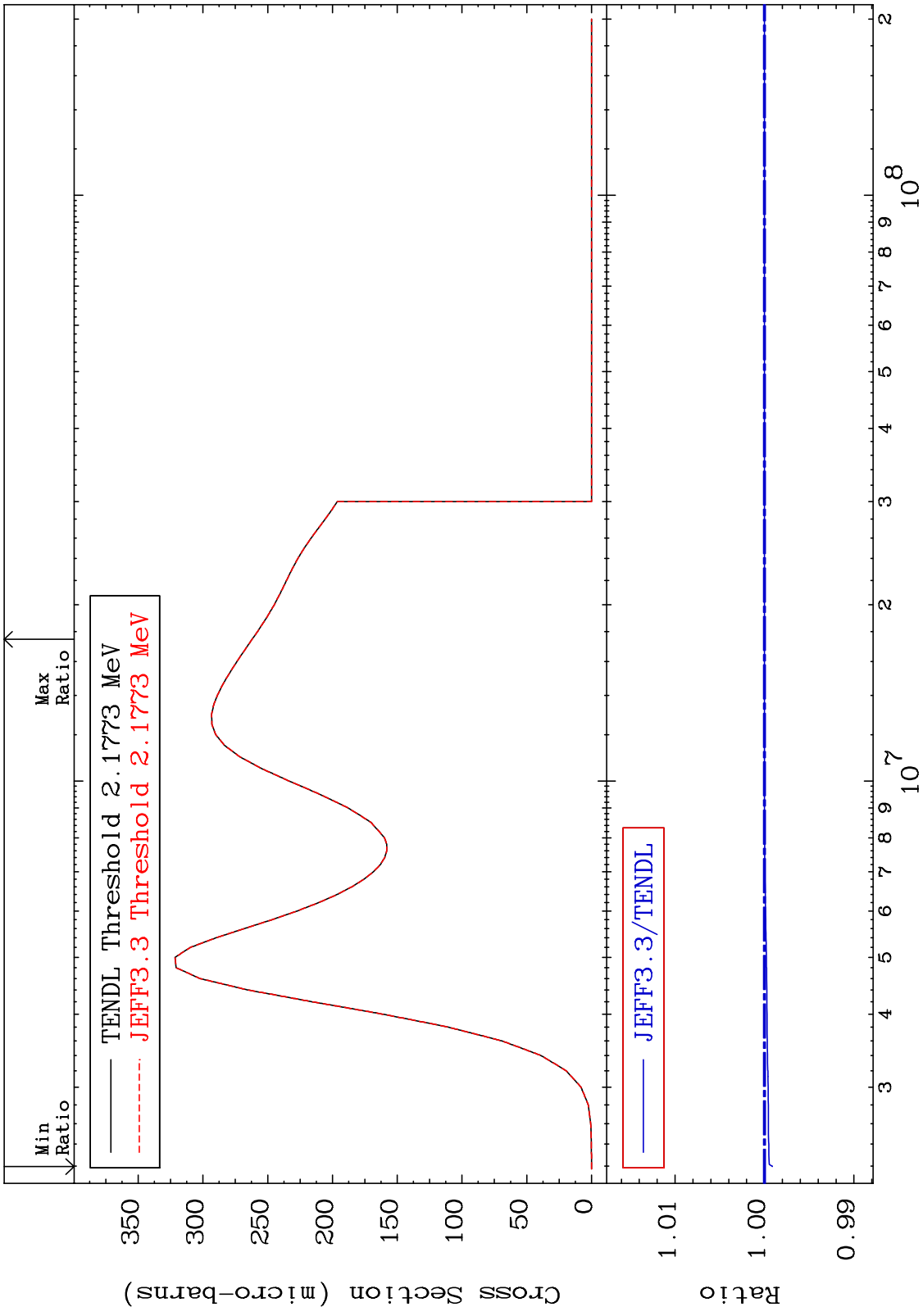
MAT 8434 MT= 65 (n,n') Level Cross Section 84-Po-209 -0.029 To 0.000 %



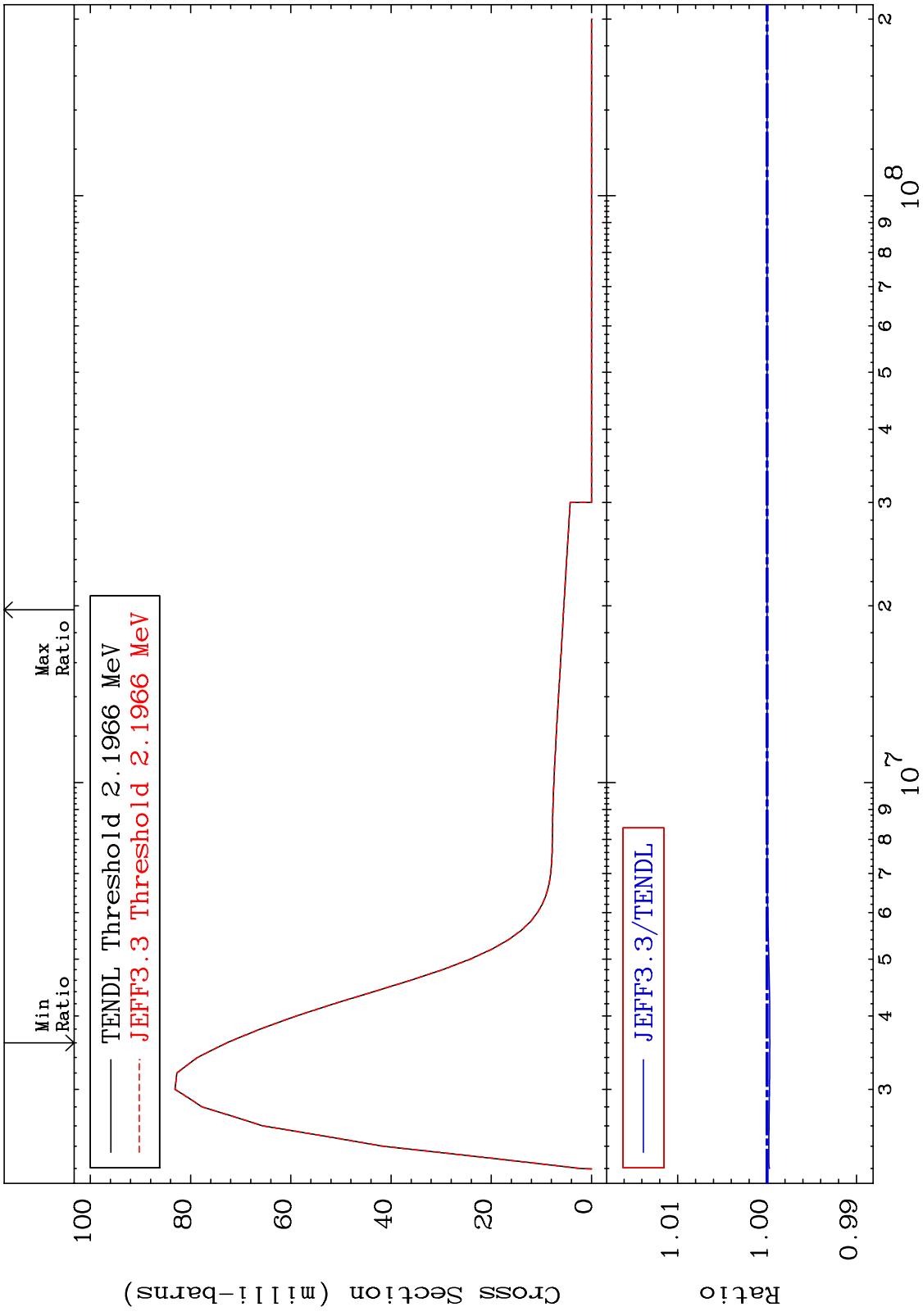
MAT 8434 MT= 66 (n,n') Level Cross Section 84-Po-209  
 -0.032 To 0.000 %



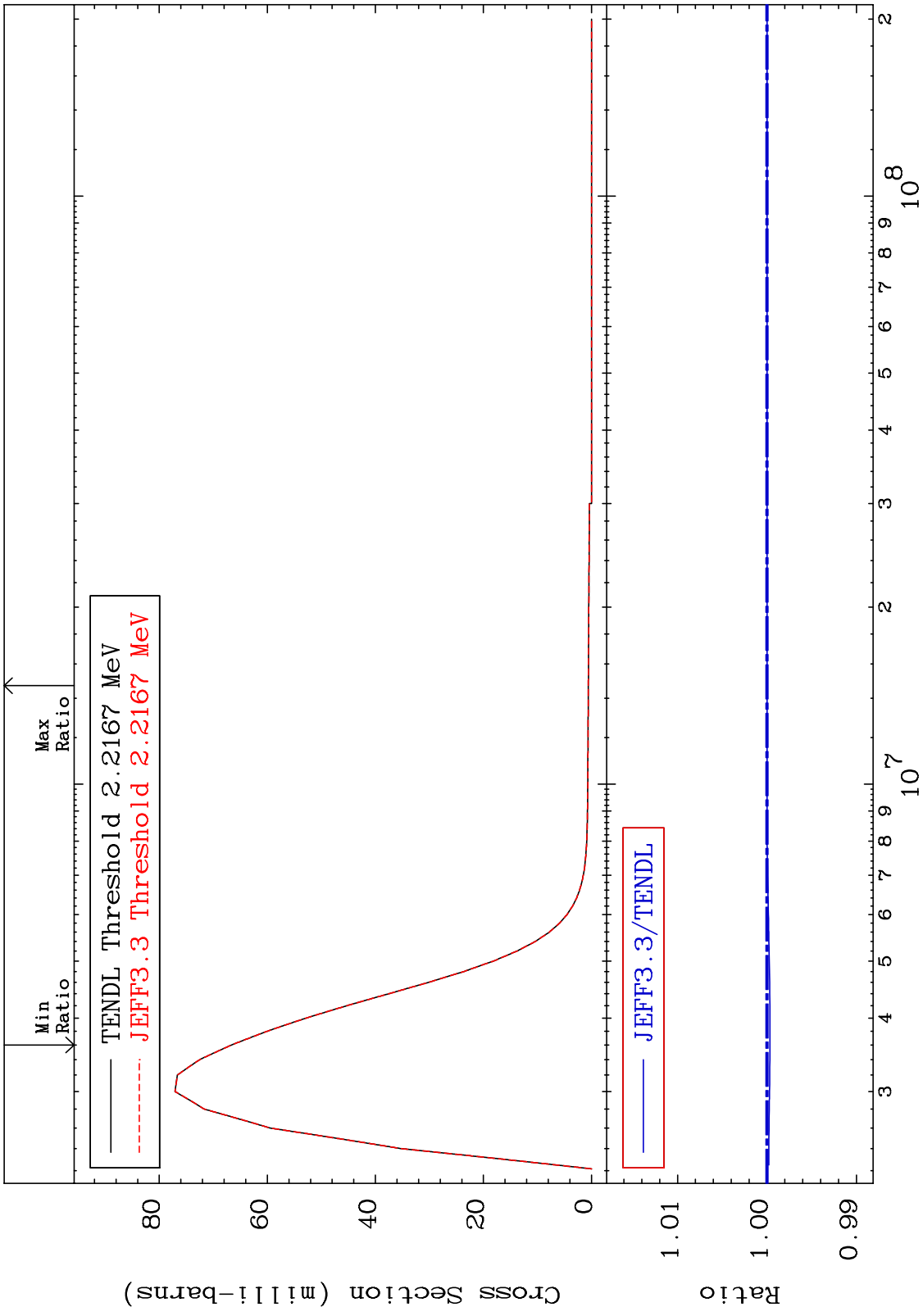
MAT 8434 MT= 67 (n,n') Level Cross Section 84-Po-209 -0.088 To 0.000 %



MAT 8434 MT= 68 (n,n') Level Cross Section 84-Po-209  
 -0.031 To 0.000 %

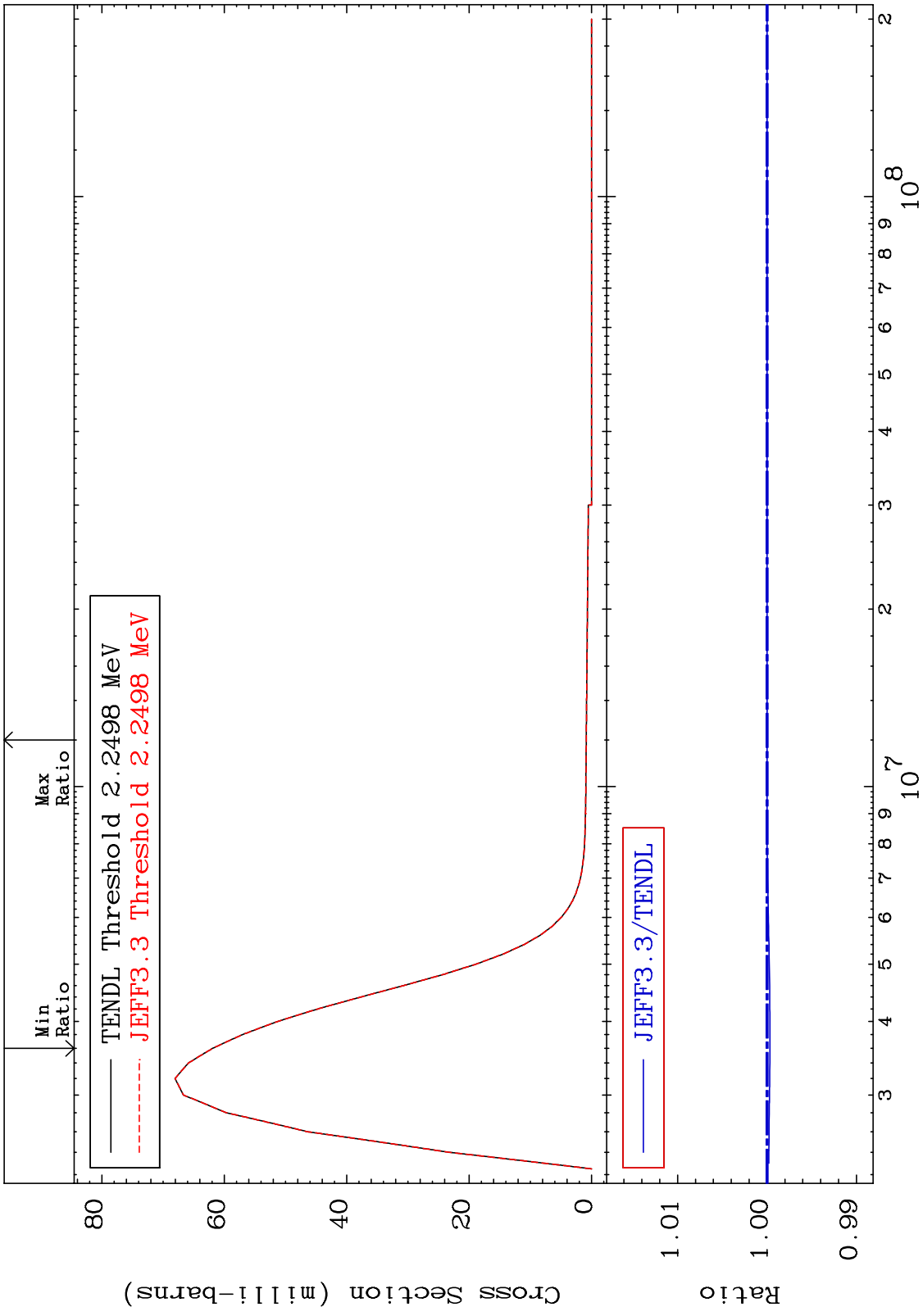


MAT 8434 MT= 69 (n,n') Level Cross Section 84-Po-209 -0.033 To 0.000 %

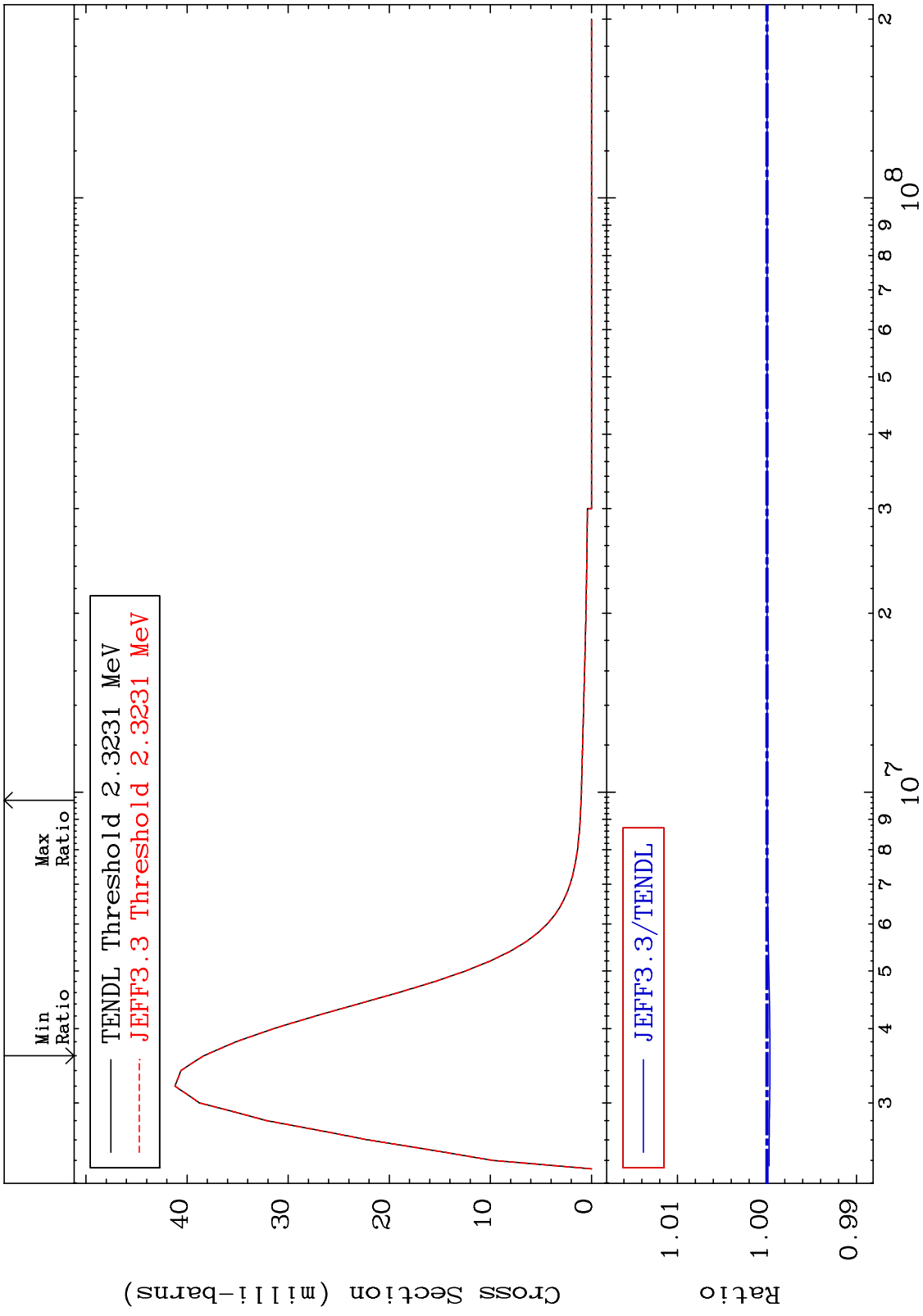




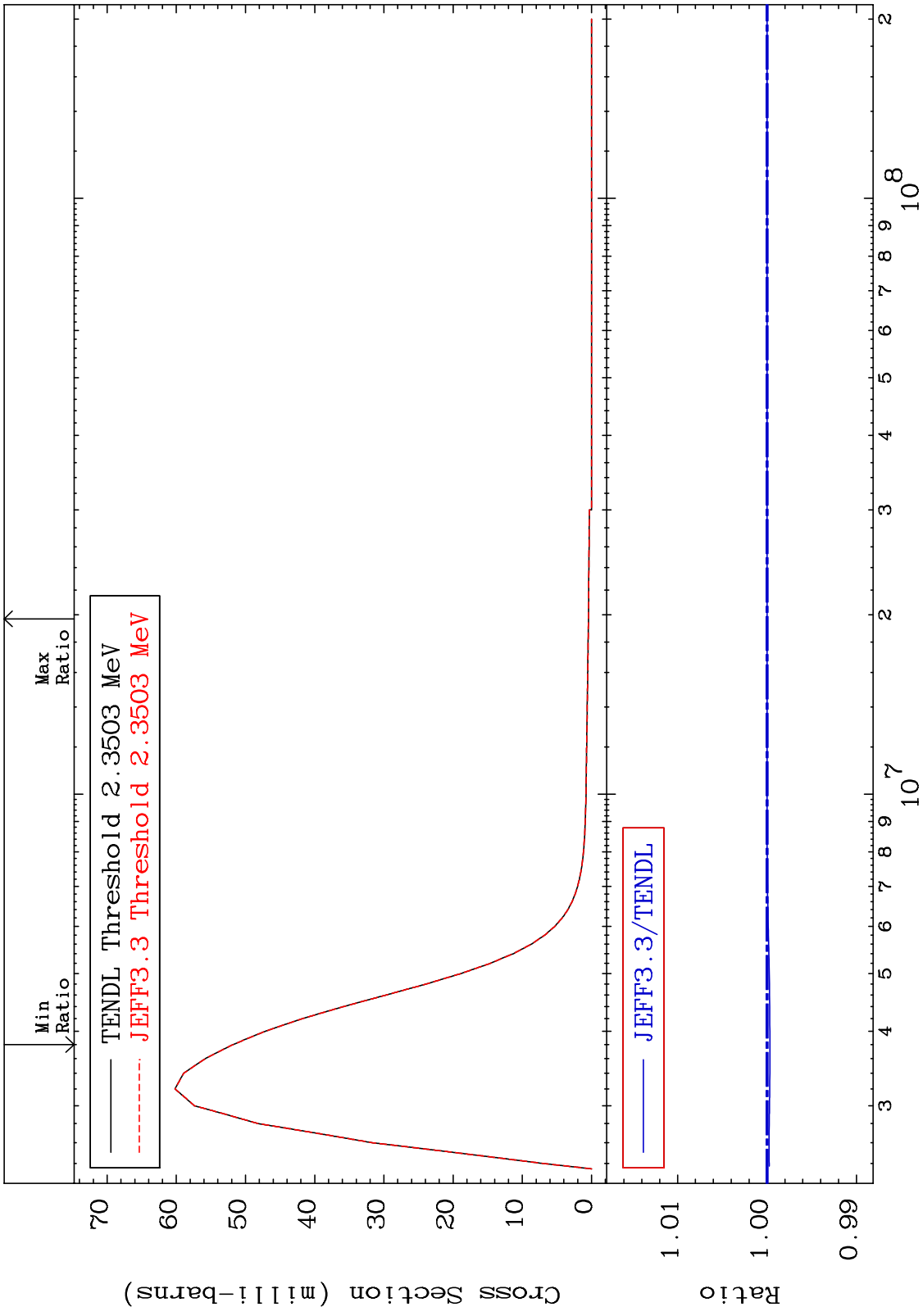
MAT 8434 MT= 70 (n,n') Level Cross Section 84-Po-209  
 -0.032 To 0.000 %



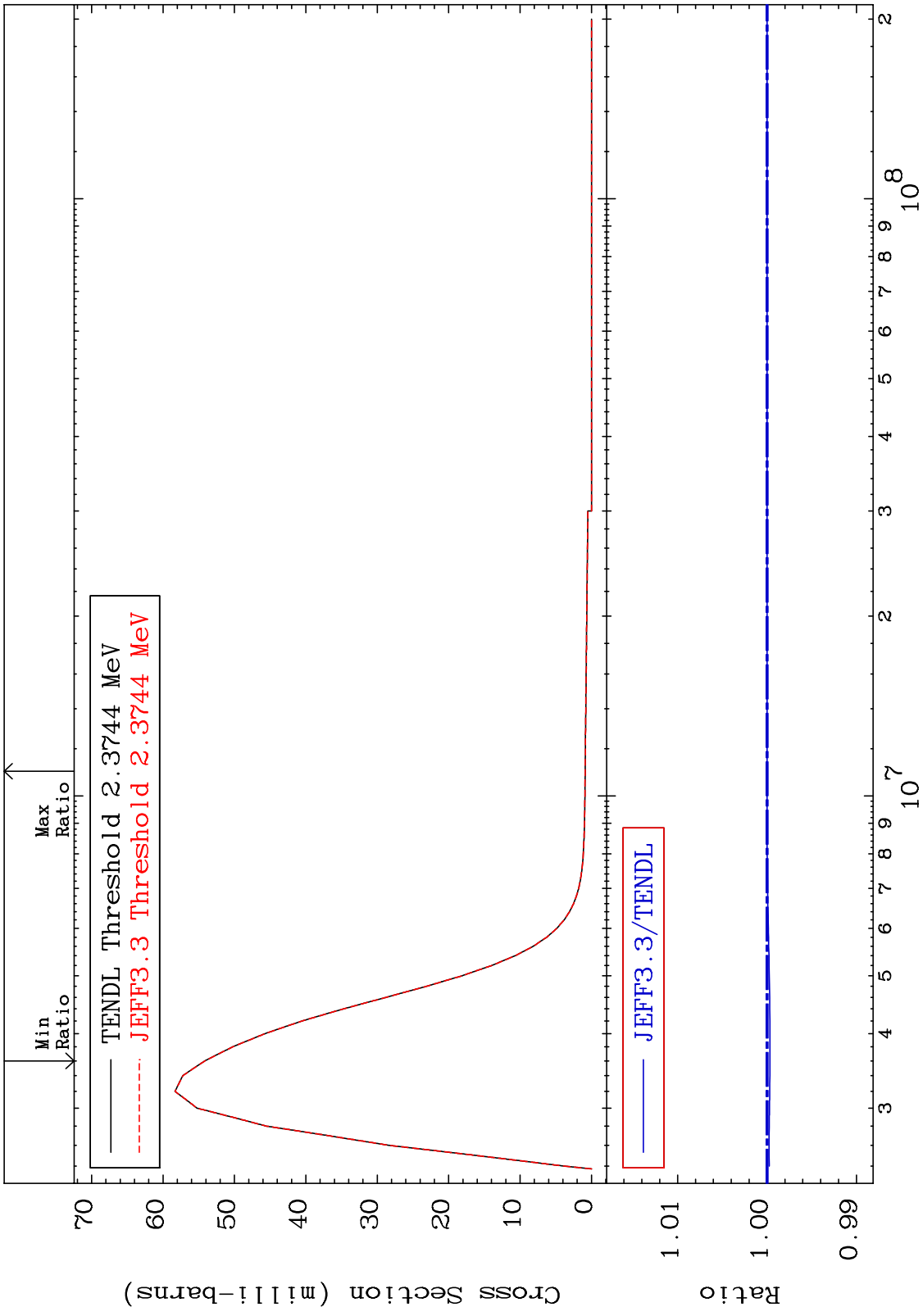
MAT 8434 MT= 71 (n,n') Level Cross Section 84-Po-209 -0.033 To 0.000 %



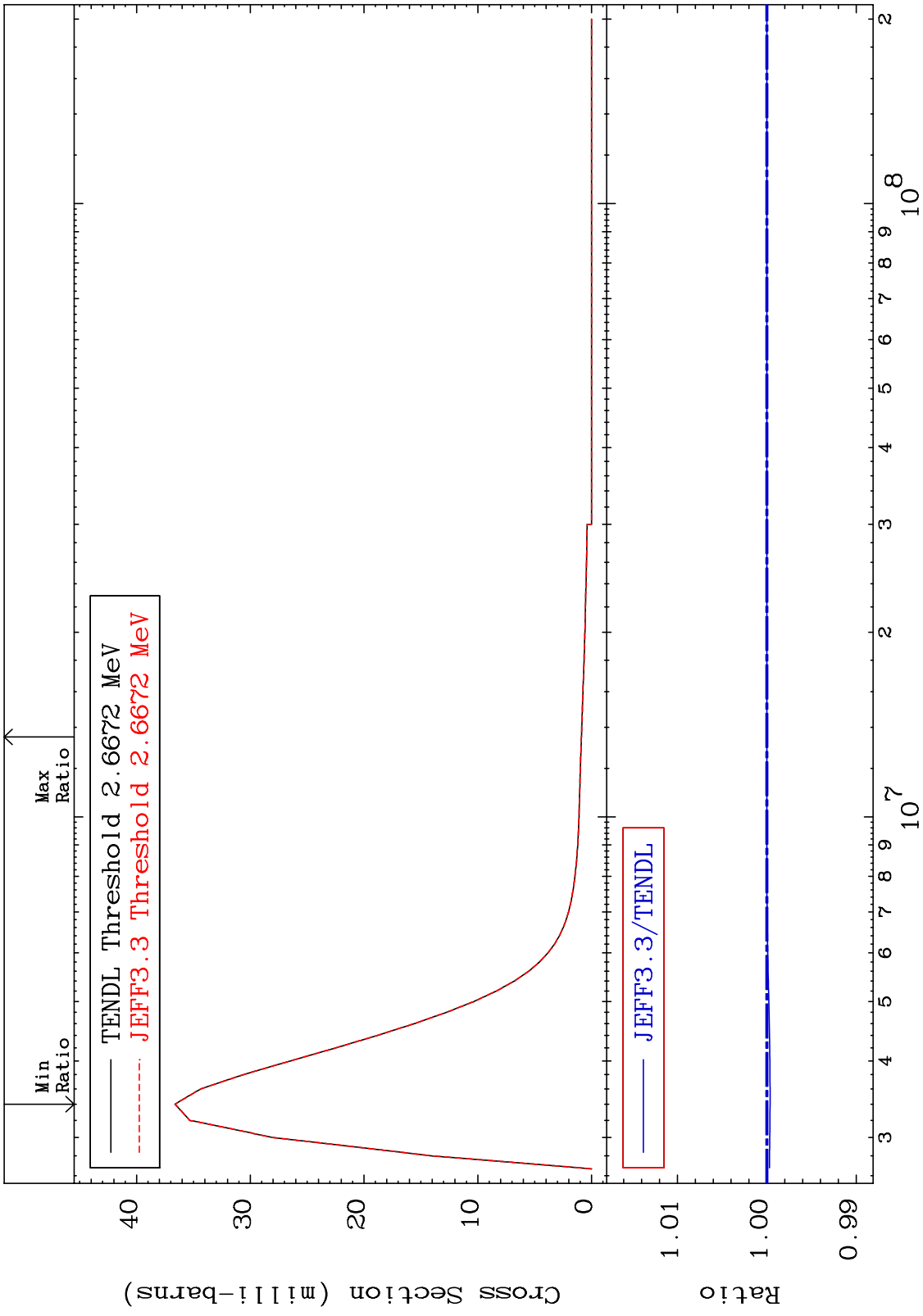
MAT 8434 MT= 72 (n,n') Level Cross Section 84-Po-209 -0.032 To 0.000 %



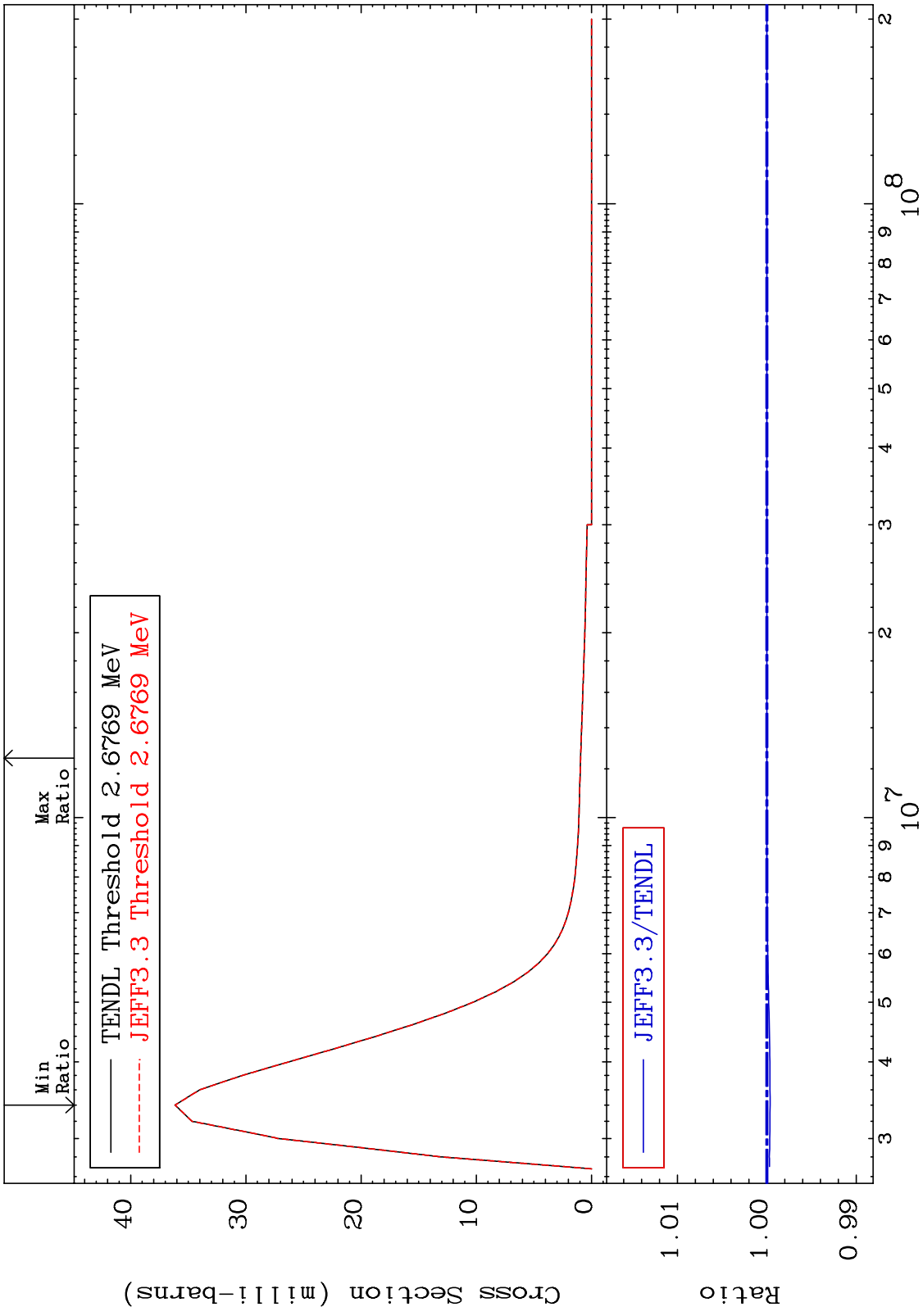
MAT 8434 MT= 73 (n,n') Level Cross Section 84-Po-209  
 -0.032 To 0.000 %



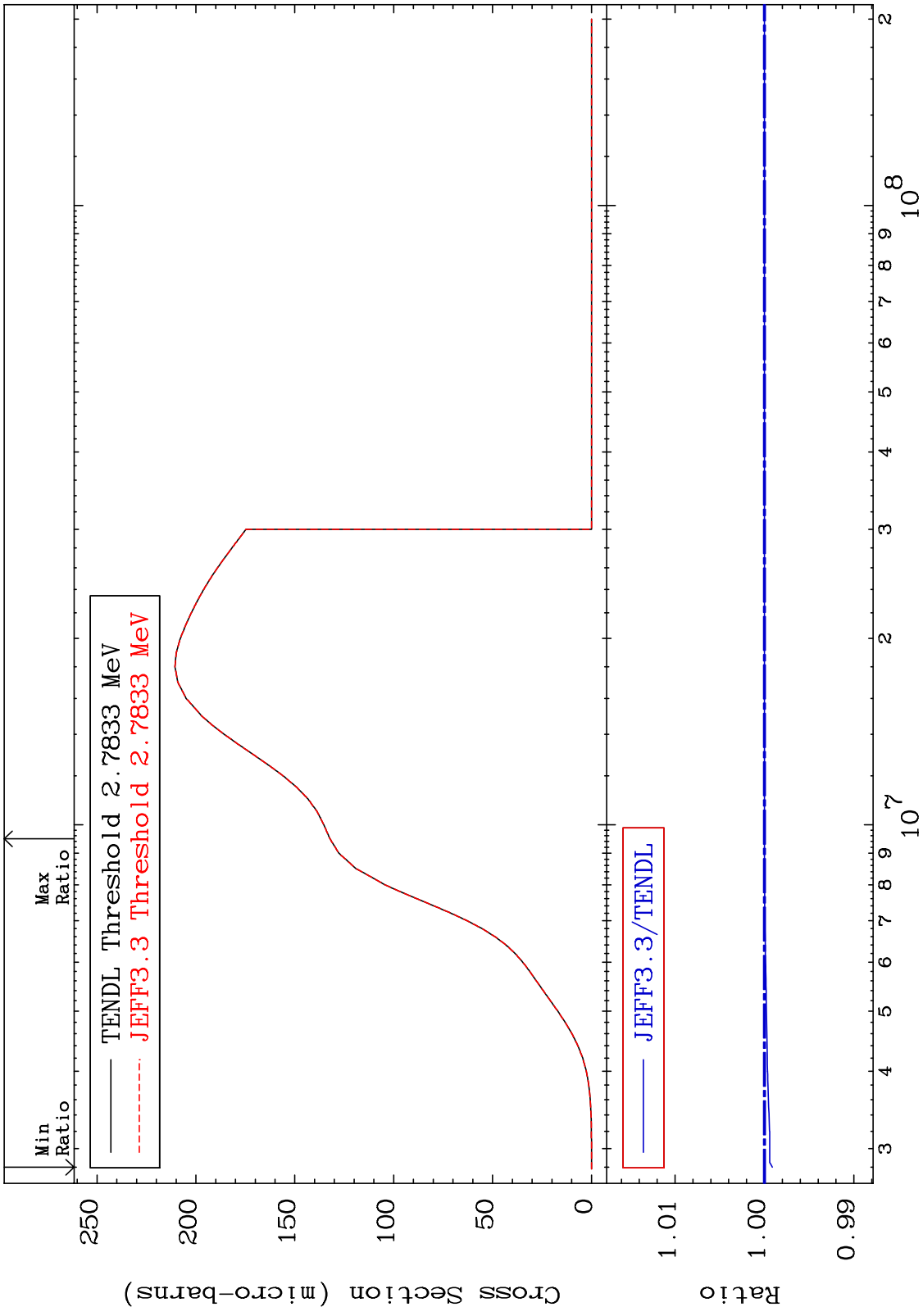
MAT 8434 MT= 74 (n,n') Level Cross Section 84-Po-209  
 -0.036 To 0.000 %



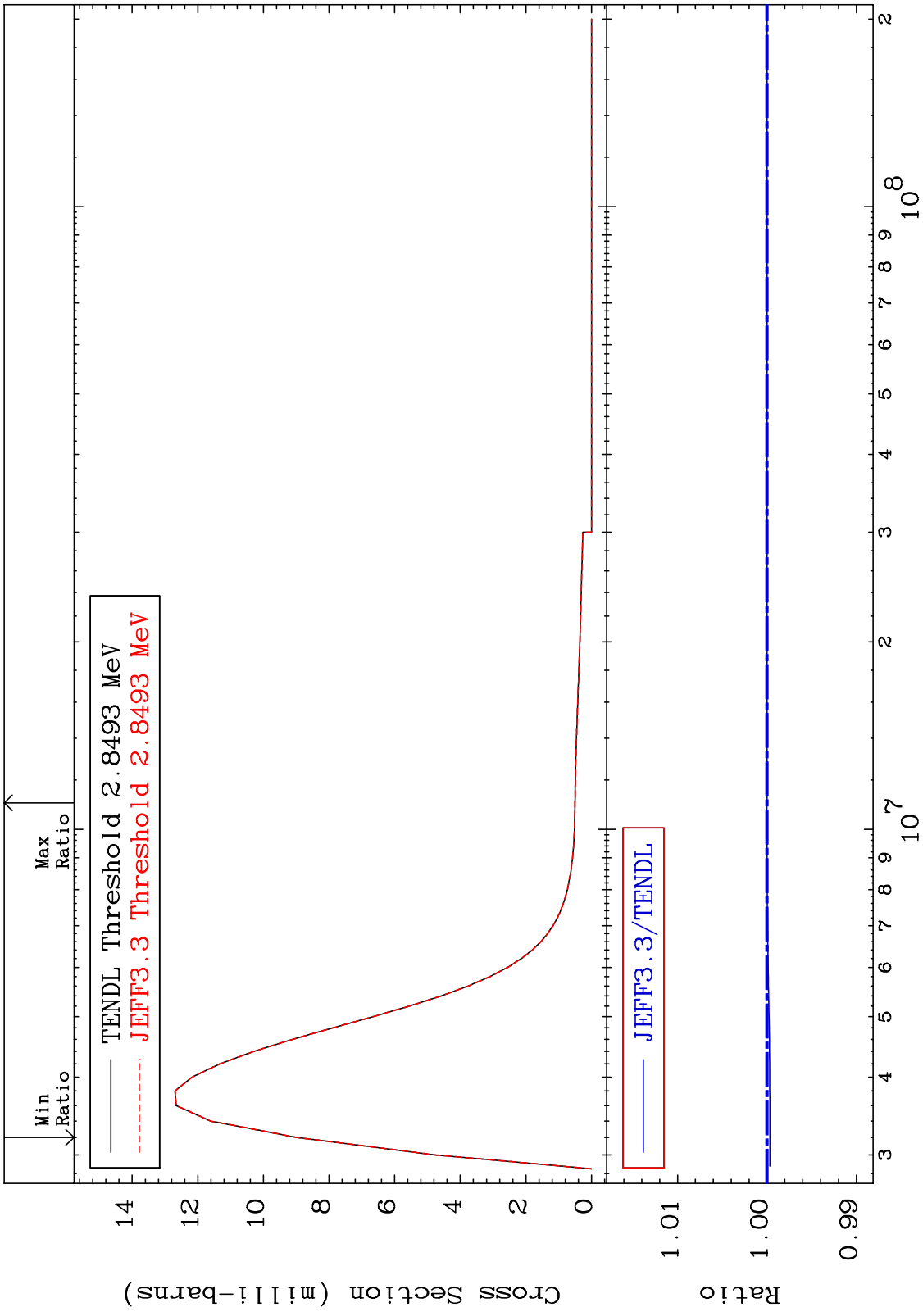
MAT 8434 MT= 75 (n,n') Level Cross Section 84-Po-209  
 -0.036 To 0.000 %



MAT 8434 MT= 76 (n,n') Level Cross Section 84-Po-209 -0.089 To 0.000 %

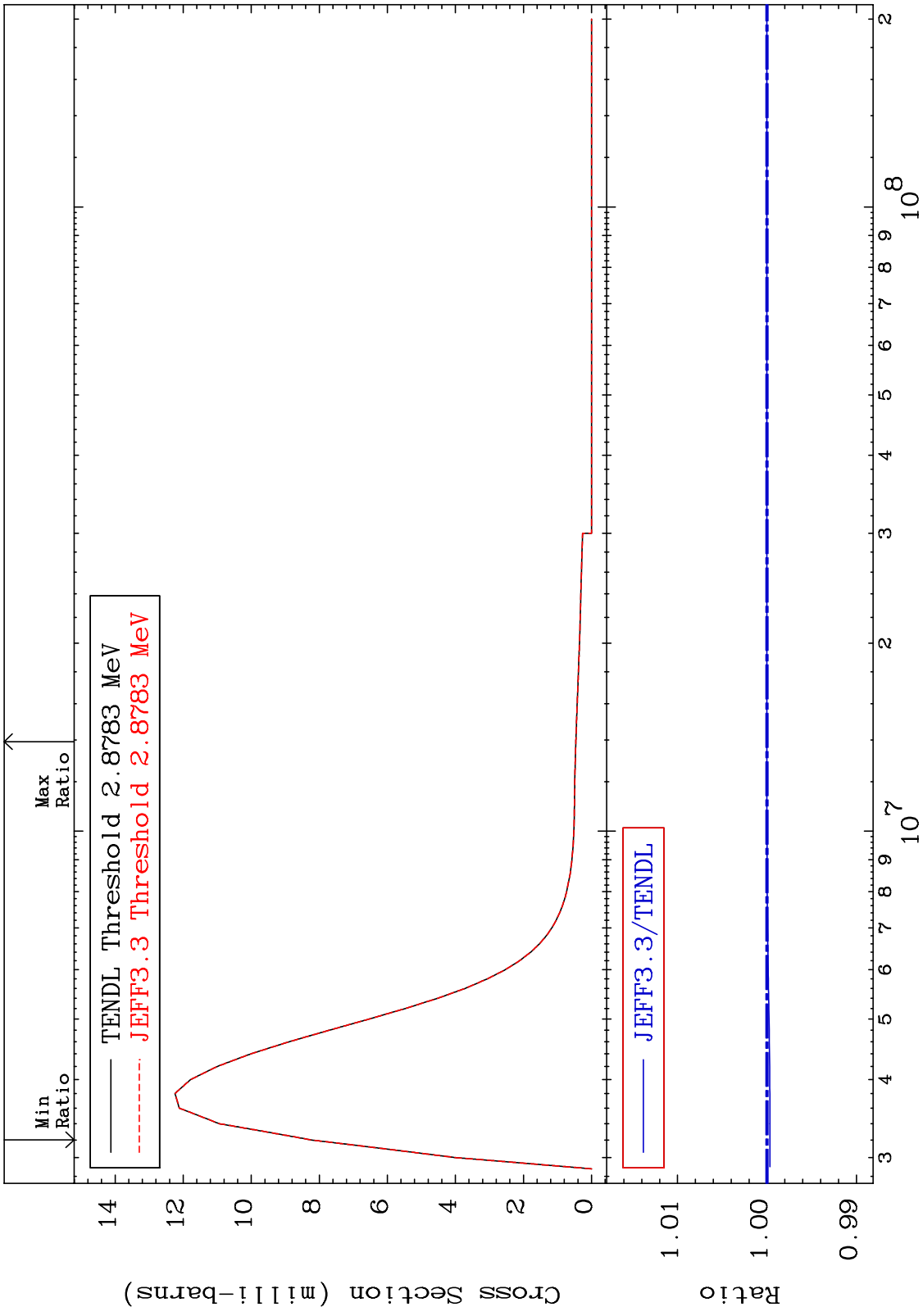


MAT 8434 MT= 77 (n,n') Level Cross Section 84-Po-209 -0.033 To 0.000 %

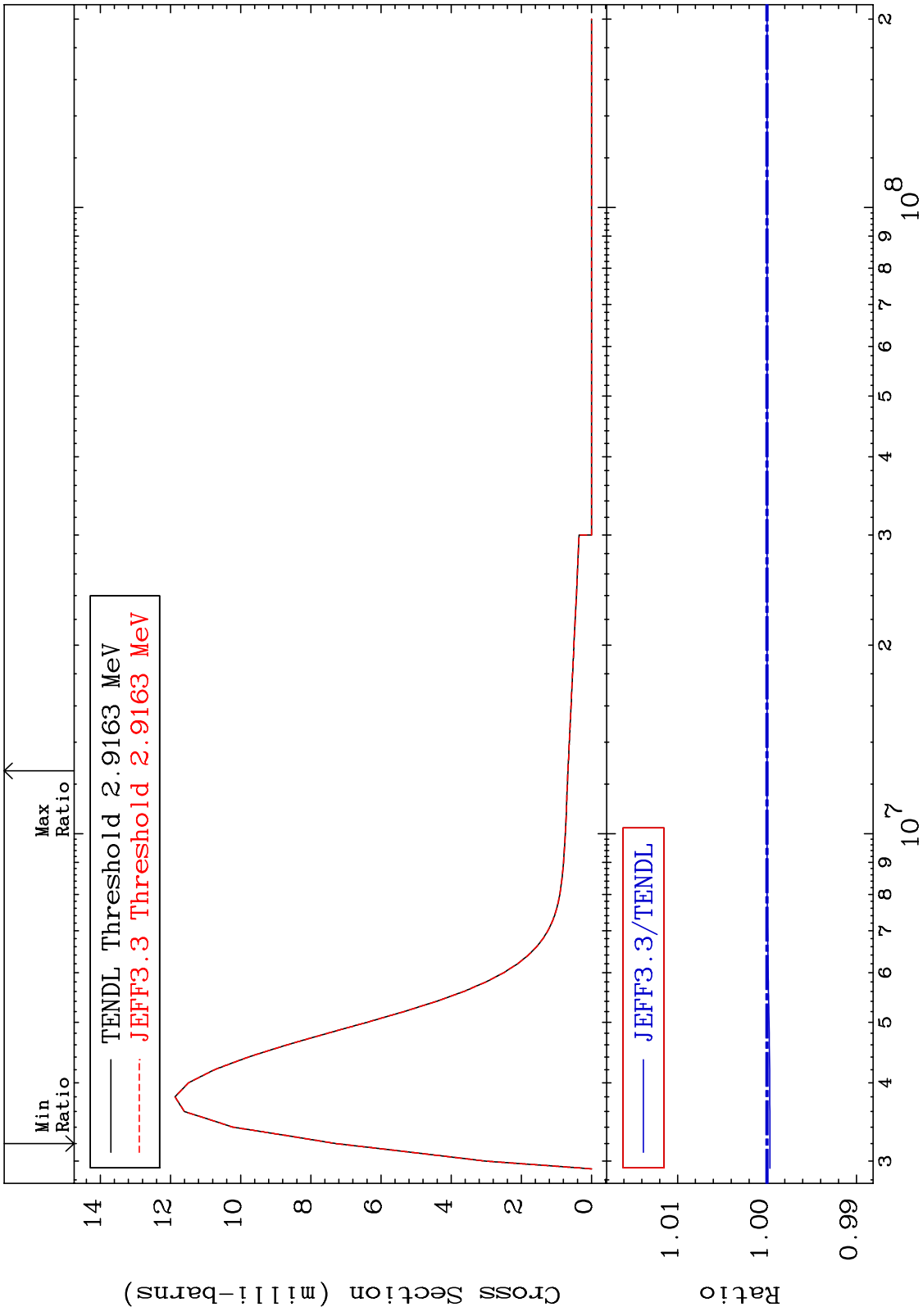




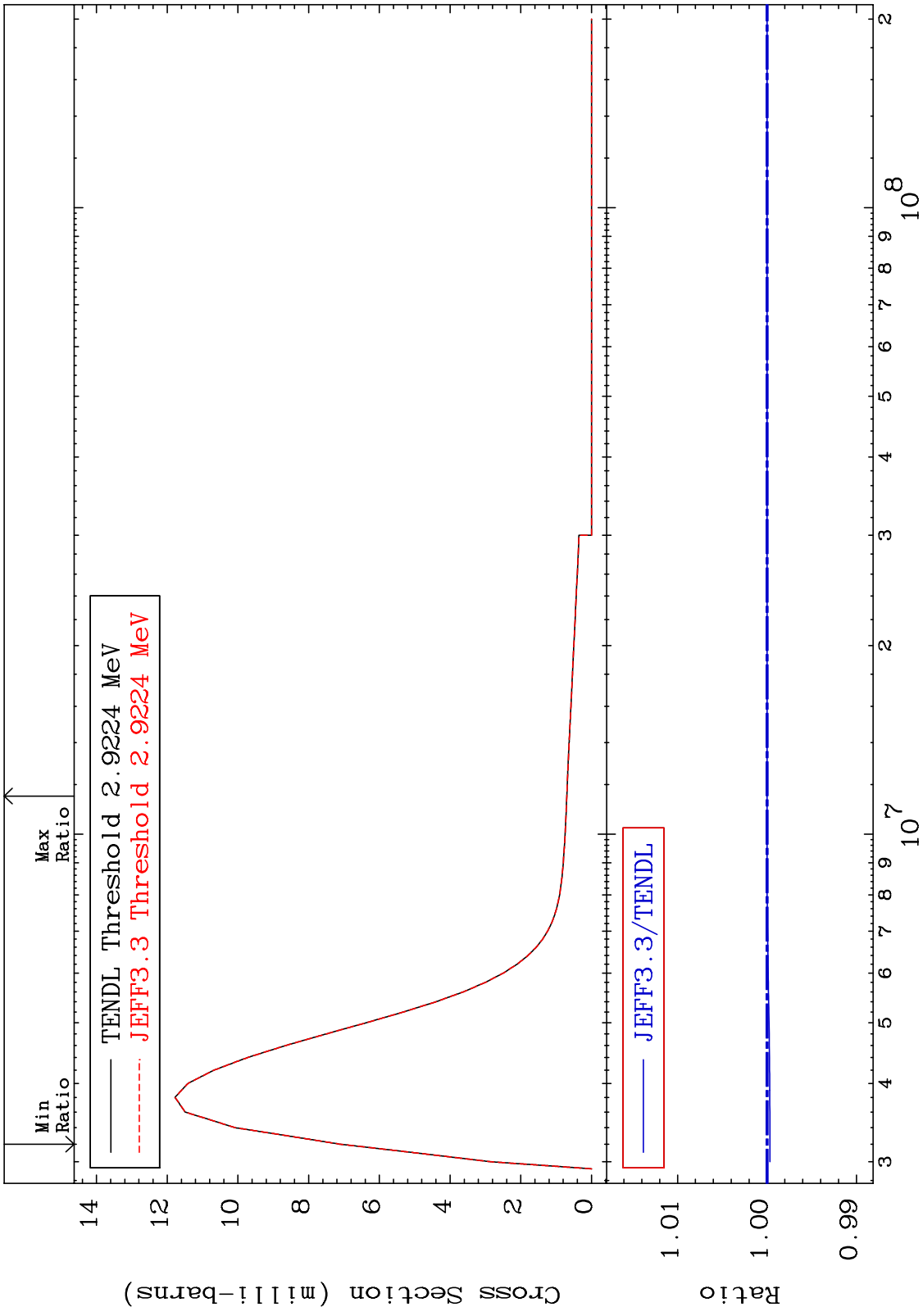
MAT 8434 MT= 78 (n,n') Level Cross Section 84-Po-209  
 -0.033 To 0.000 %



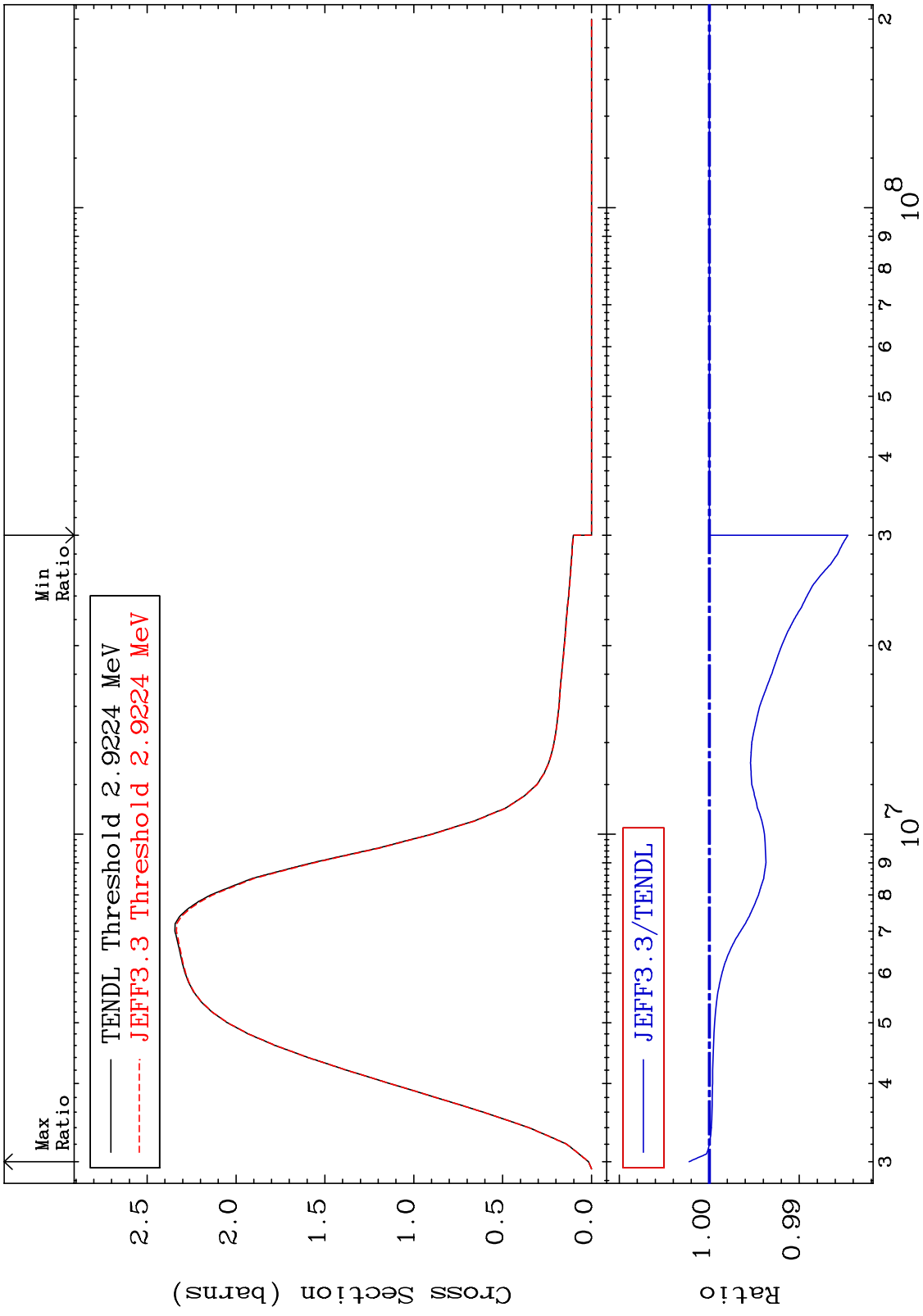
MAT 8434 MT= 79 (n,n') Level Cross Section 84-Po-209 -0.033 To 0.000 %



MAT 8434 MT= 80 (n,n') Level Cross Section 84-Po-209 -0.033 To 0.000 %



MAT 8434 (n, n') Continuum Cross Section 84-Po-209 -1.540 To 0.225 %



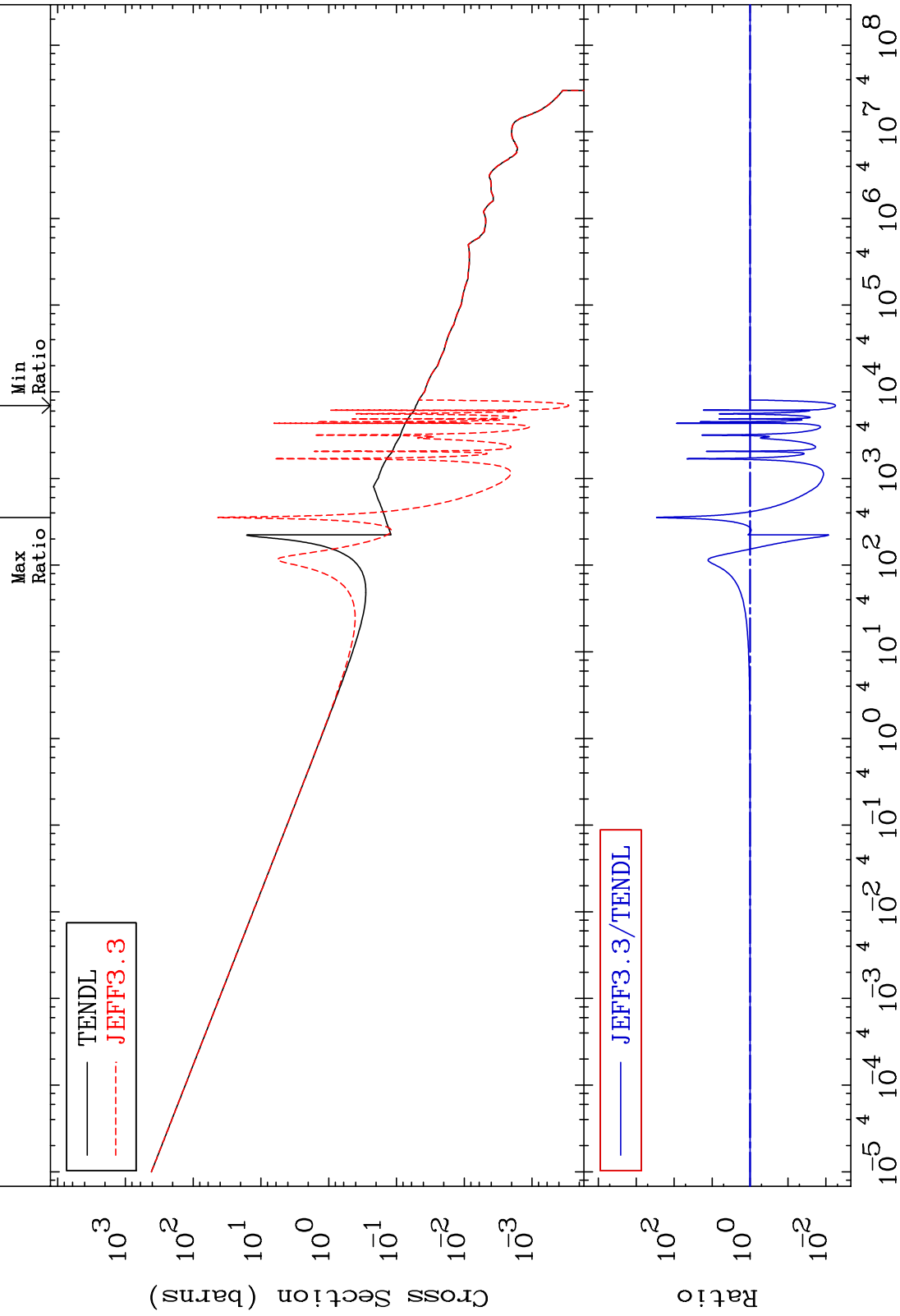
MAT 8434

(n,  $\gamma$ )

84-Po-209

-99.44 To 9999. %

Cross Section



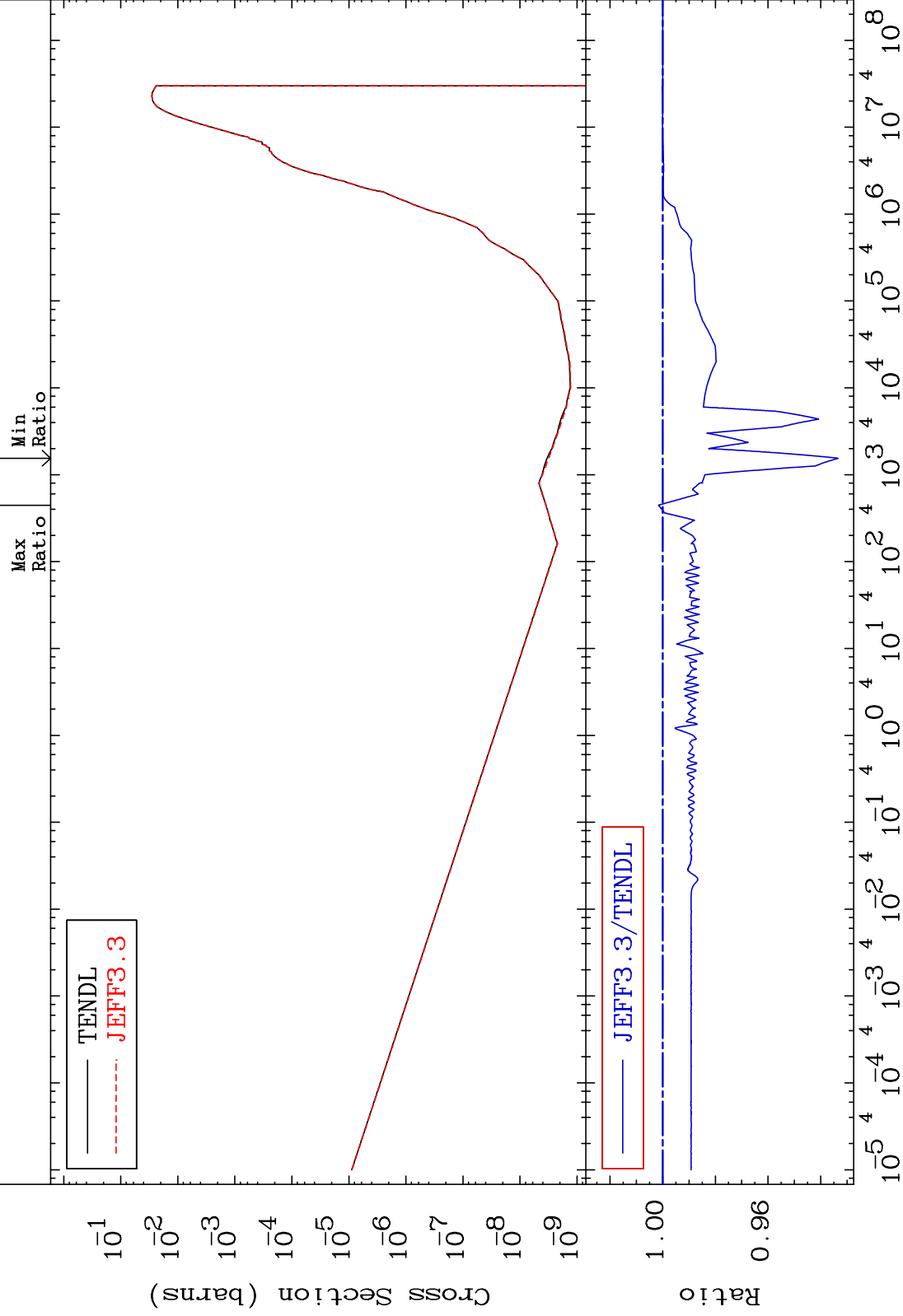
MAT 8434

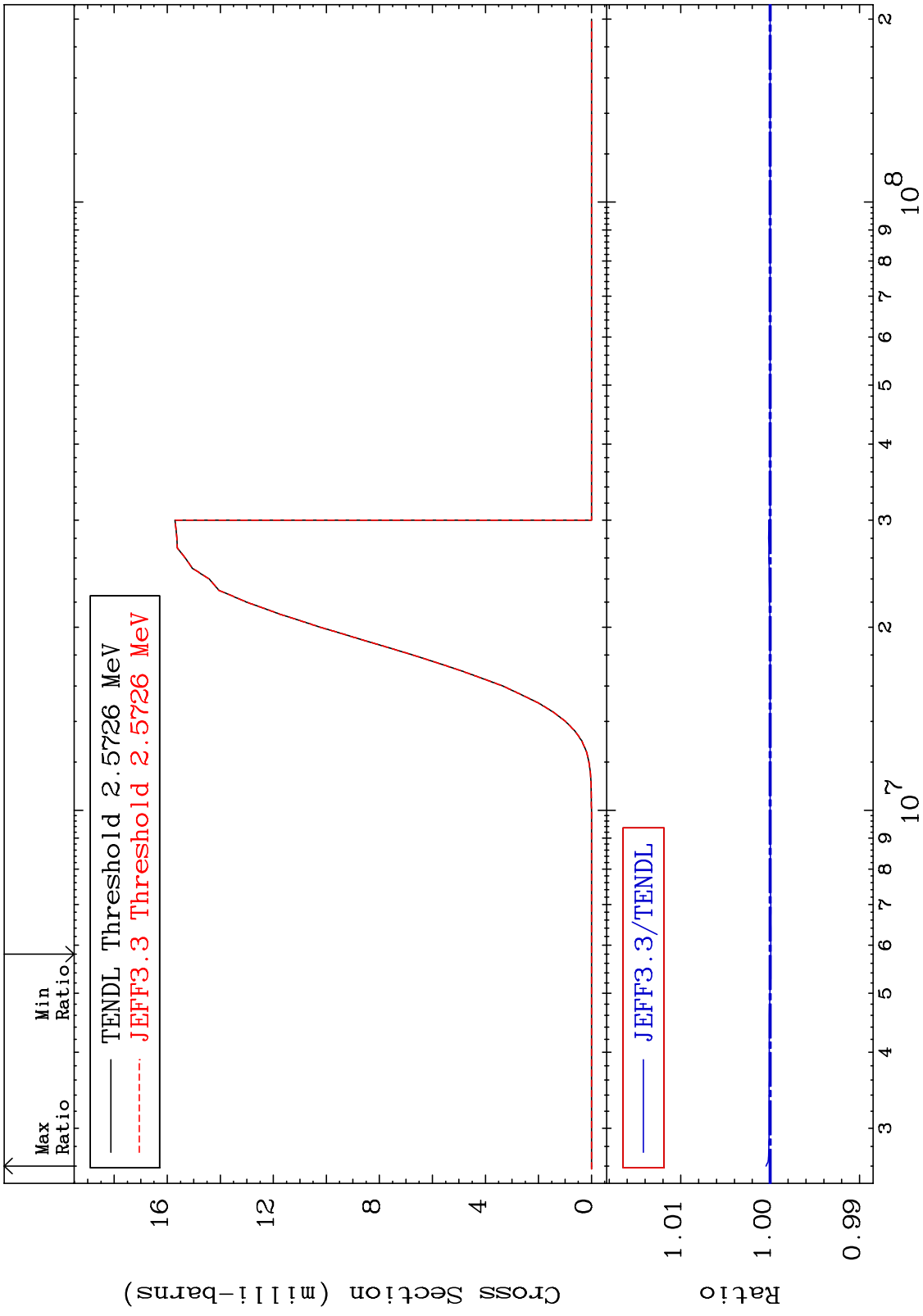
(n,p)

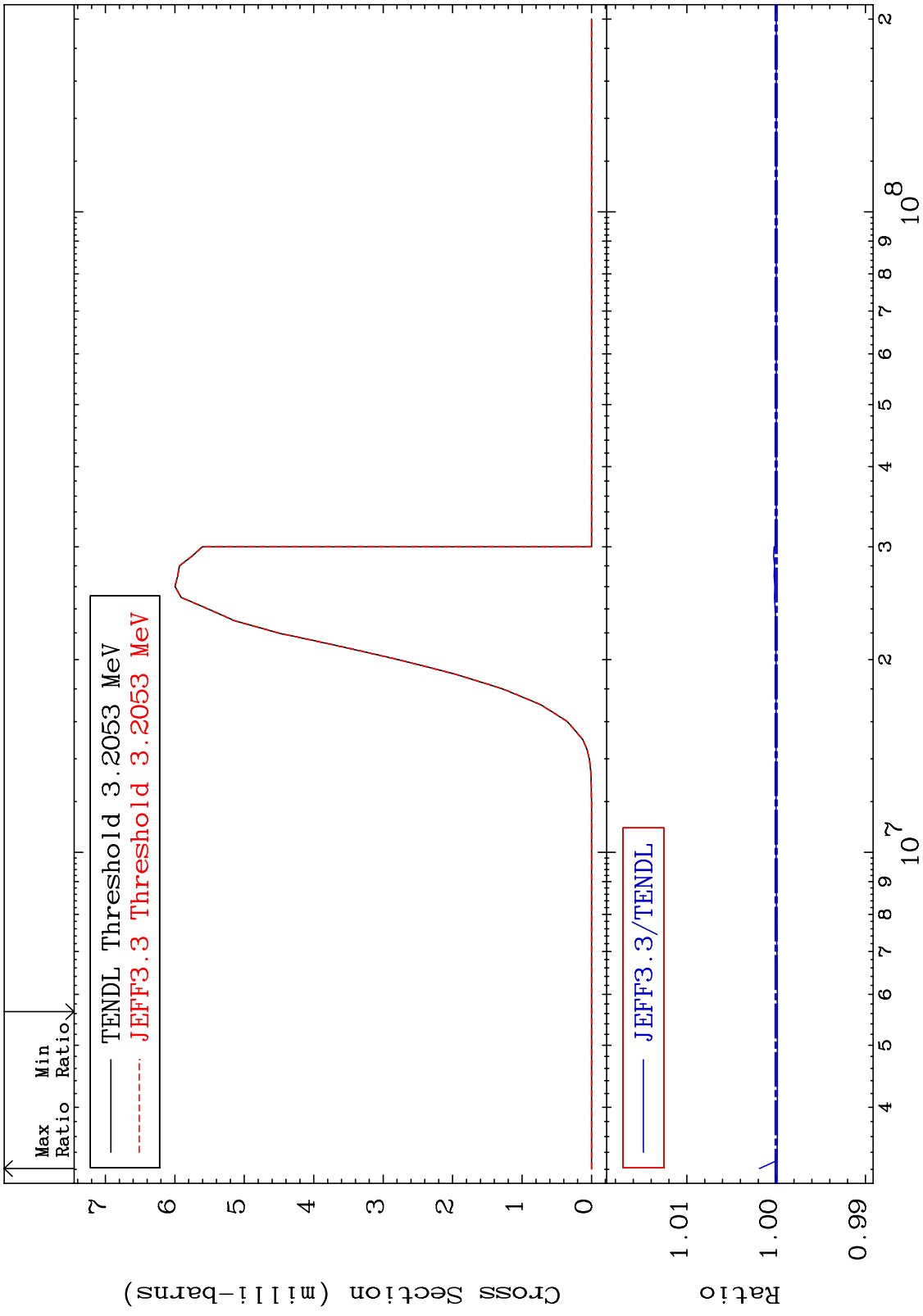
84-Po-209

-6.667 To 0.153 %

Cross Section









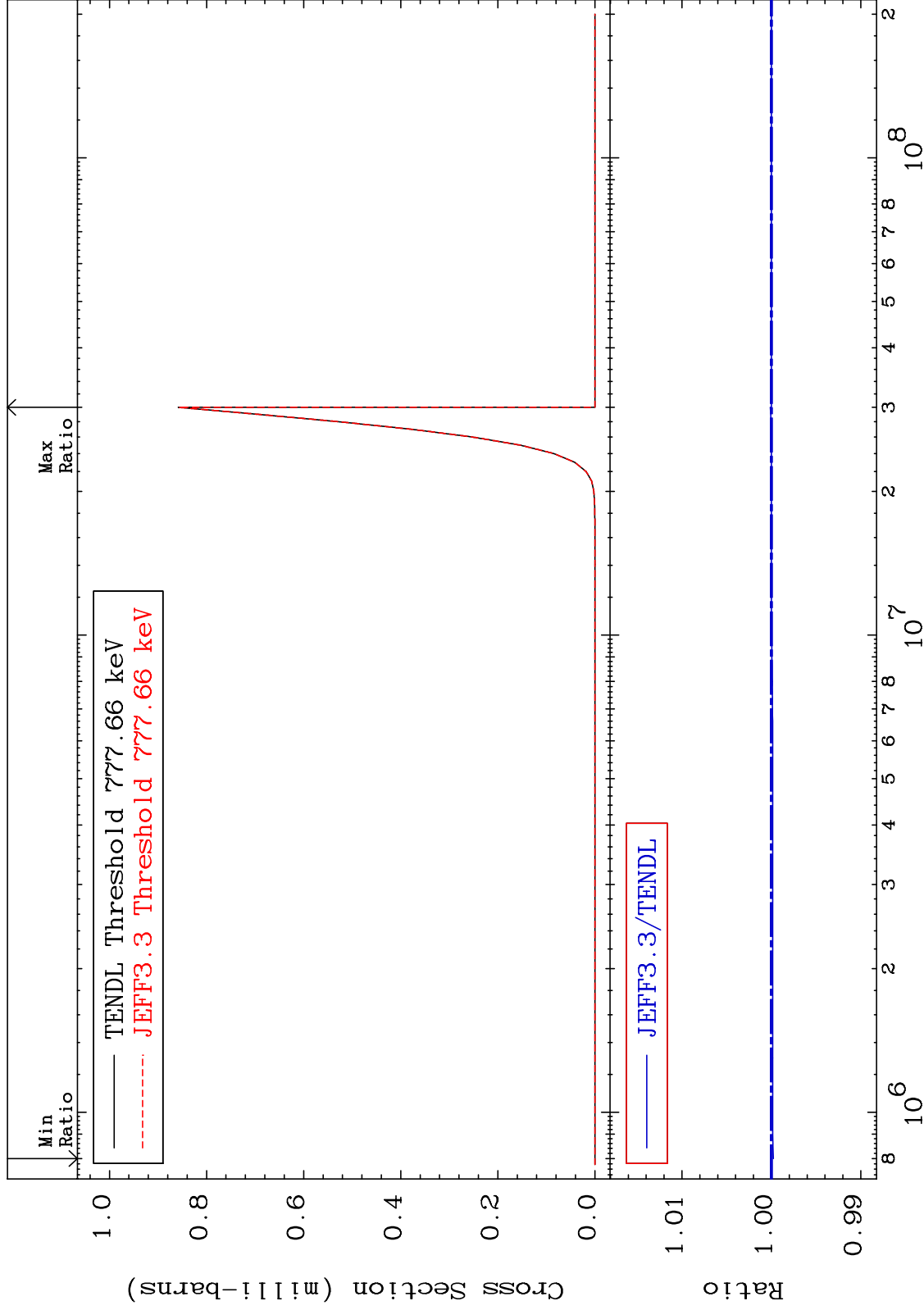
MAT 8434

(n, He-3)

84-Po-209

Cross Section

-0.023 To 0.012 %



56

Incident Energy (eV)

84-Po-209

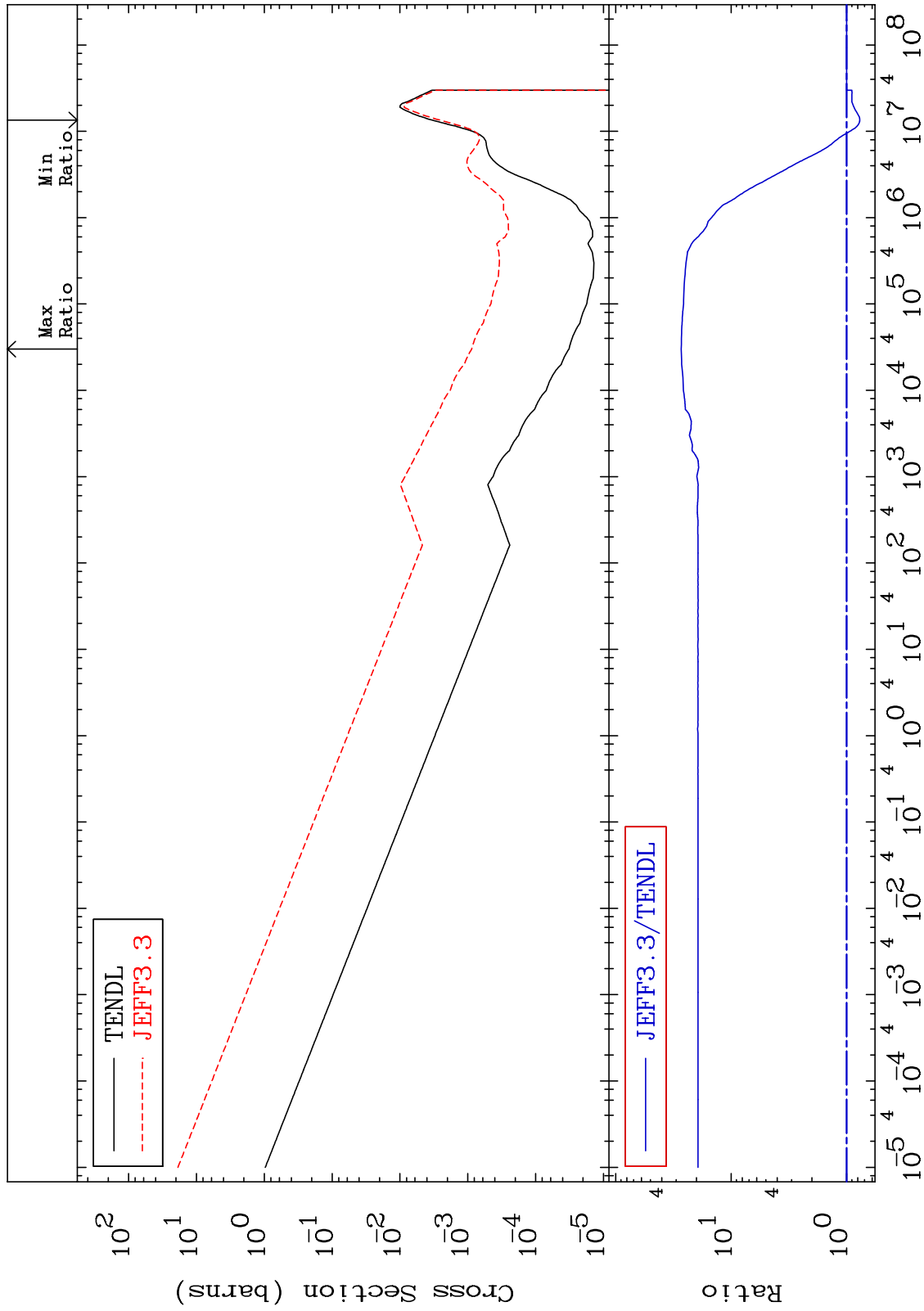
MAT 8434

(n,  $\alpha$ )

84-Po-209

Cross Section

-23.04 To 2608. %



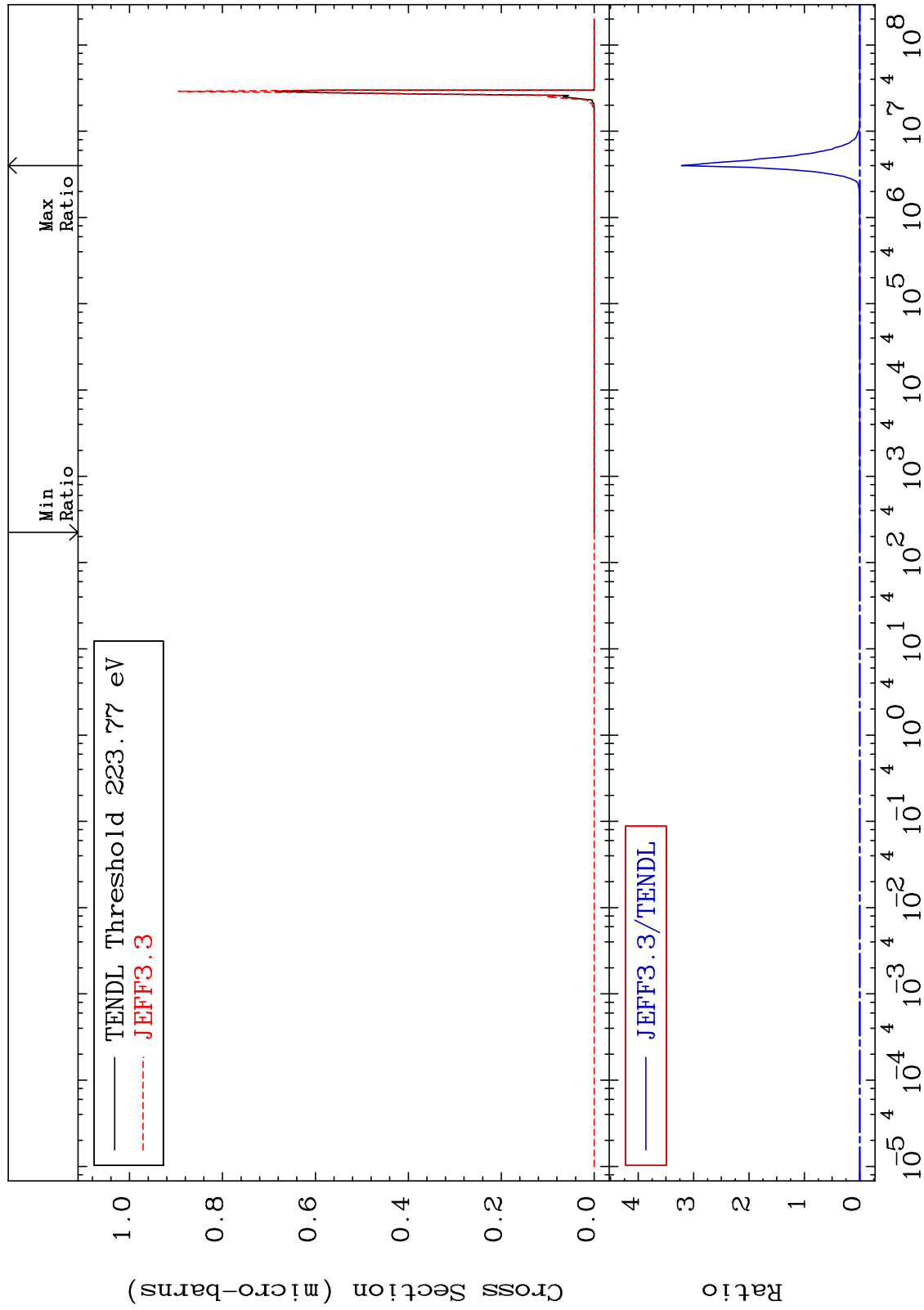
MAT 8434

(n,2α)

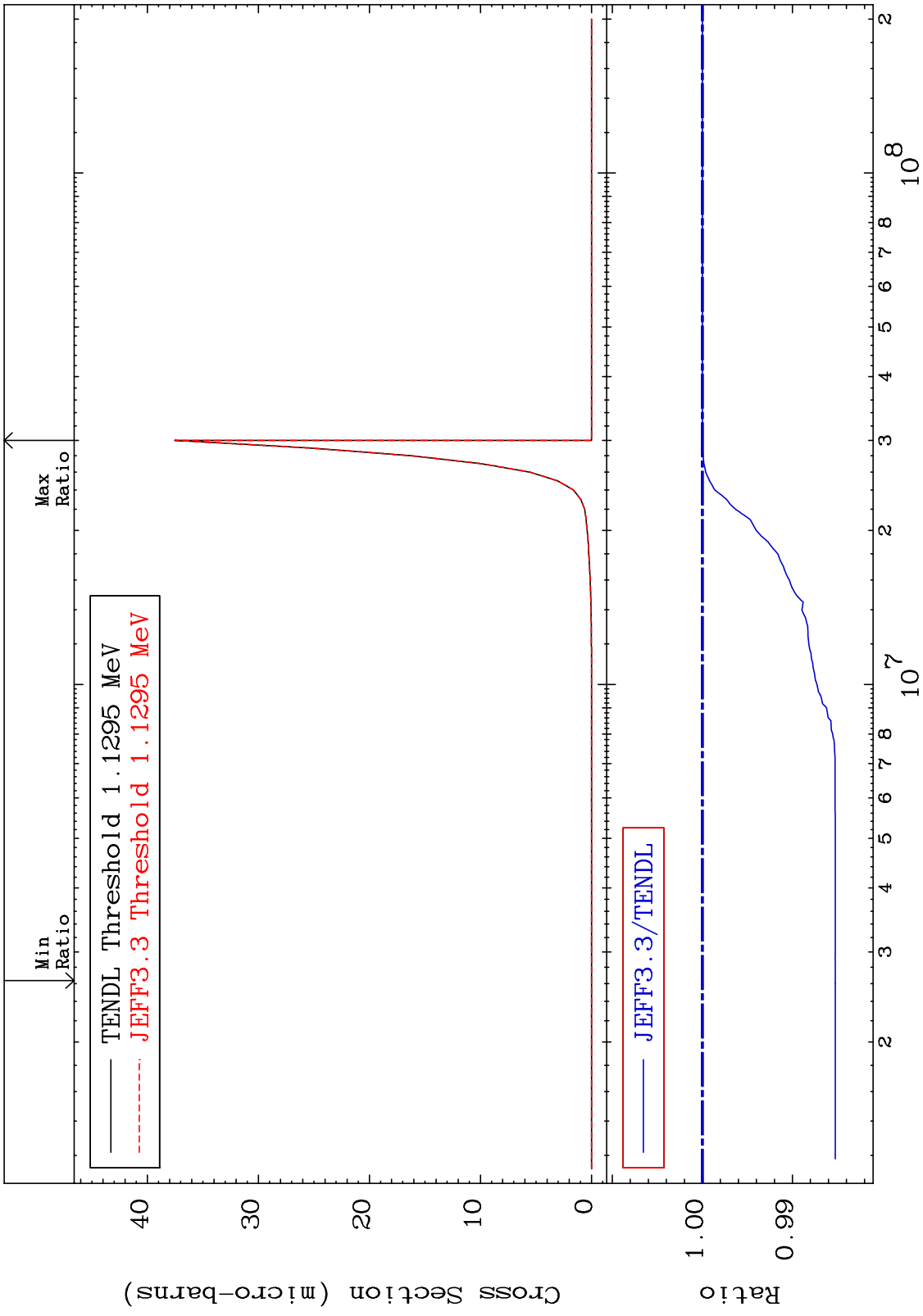
84-Po-209

Cross Section

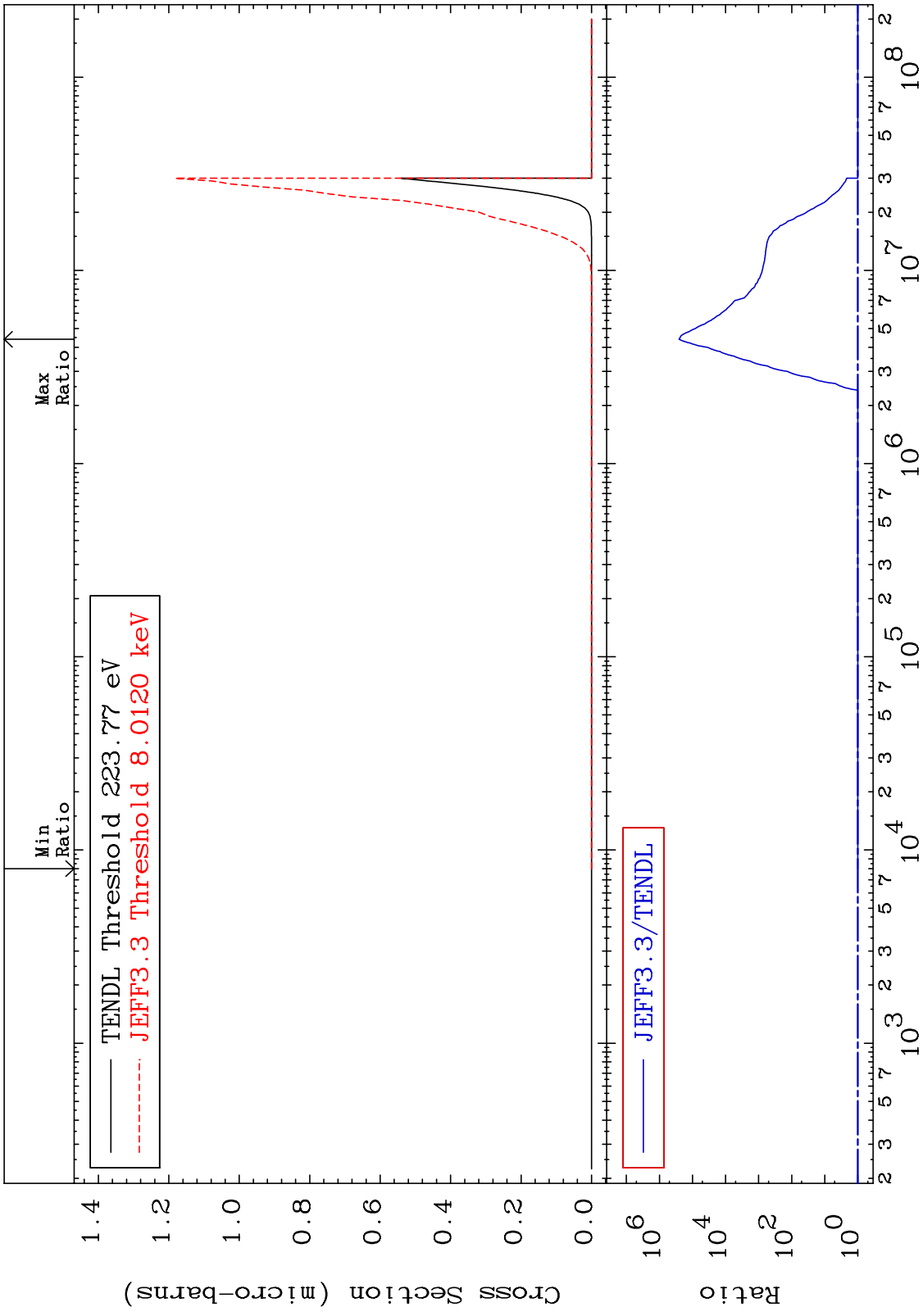
-100.0 To 9999. %



MAT 8434 (n,2p) Cross Section 84-Po-209 -1.476 To 0.008 %



MAT 8434 (n,p)  $\alpha$  84-Po-209 To 9999. %  
Cross Section



60 Incident Energy (eV) 84-Po-209

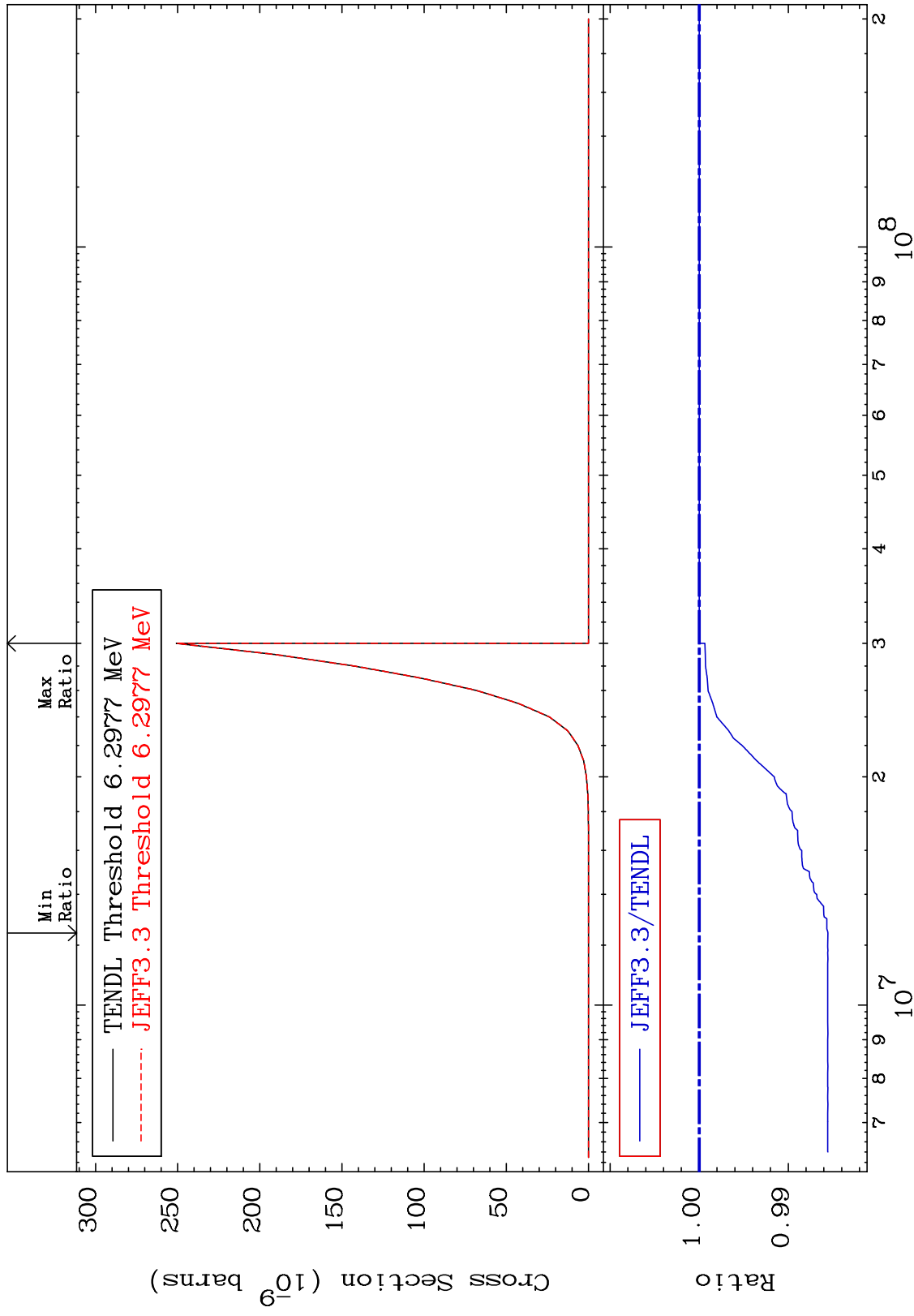
MAT 8434

(n,p) d

84-Po-209

-1.444 To 0.000 %

Cross Section



61

Incident Energy (eV)

84-Po-209

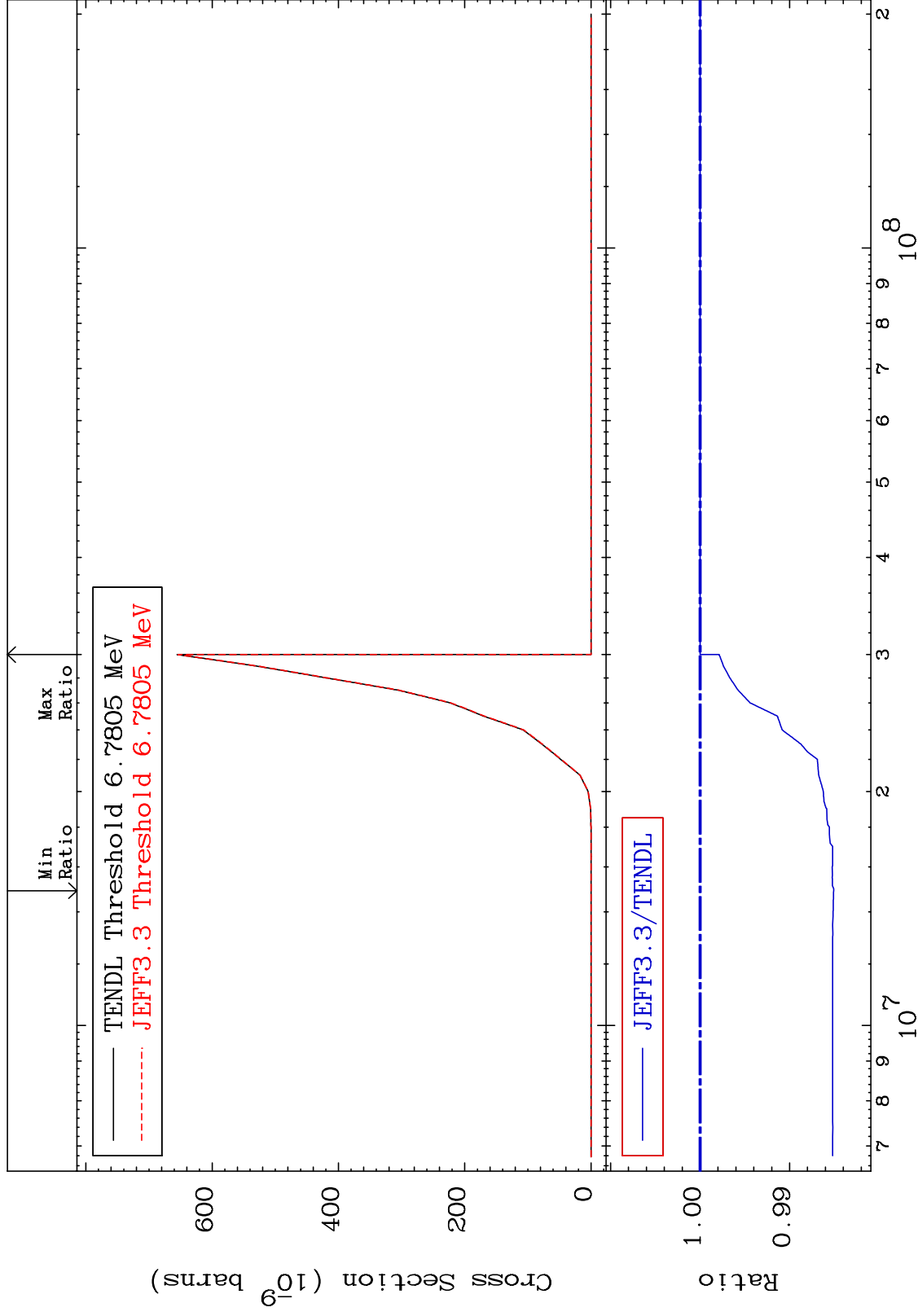
MAT 8434

(n,p) t

84-Po-209

Cross Section

-1.492 To 0.000 %

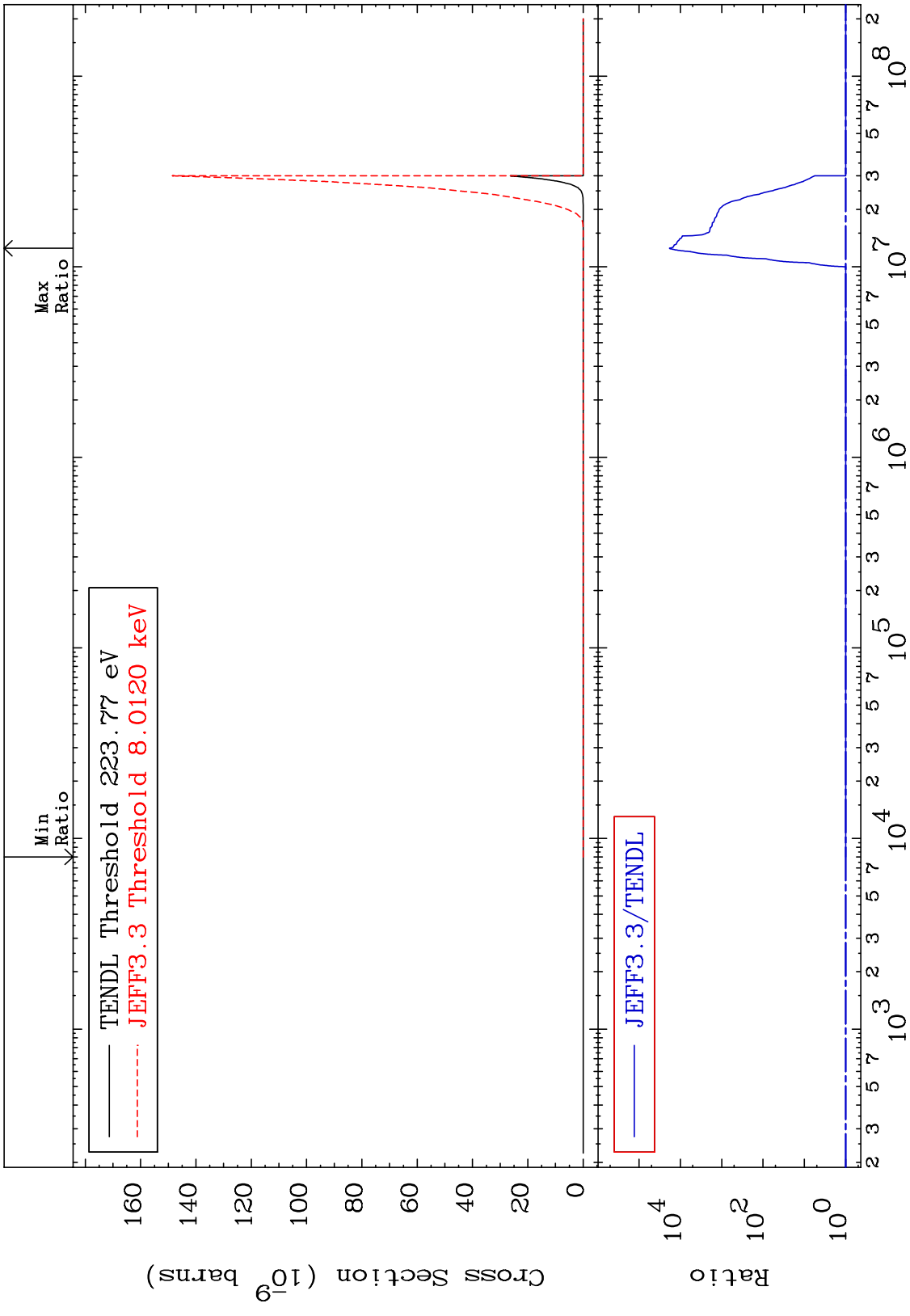


62

Incident Energy (eV)

84-Po-209

MAT 8434 (n,d)  $\alpha$  84-Po-209 To 9999. %  
 Cross Section

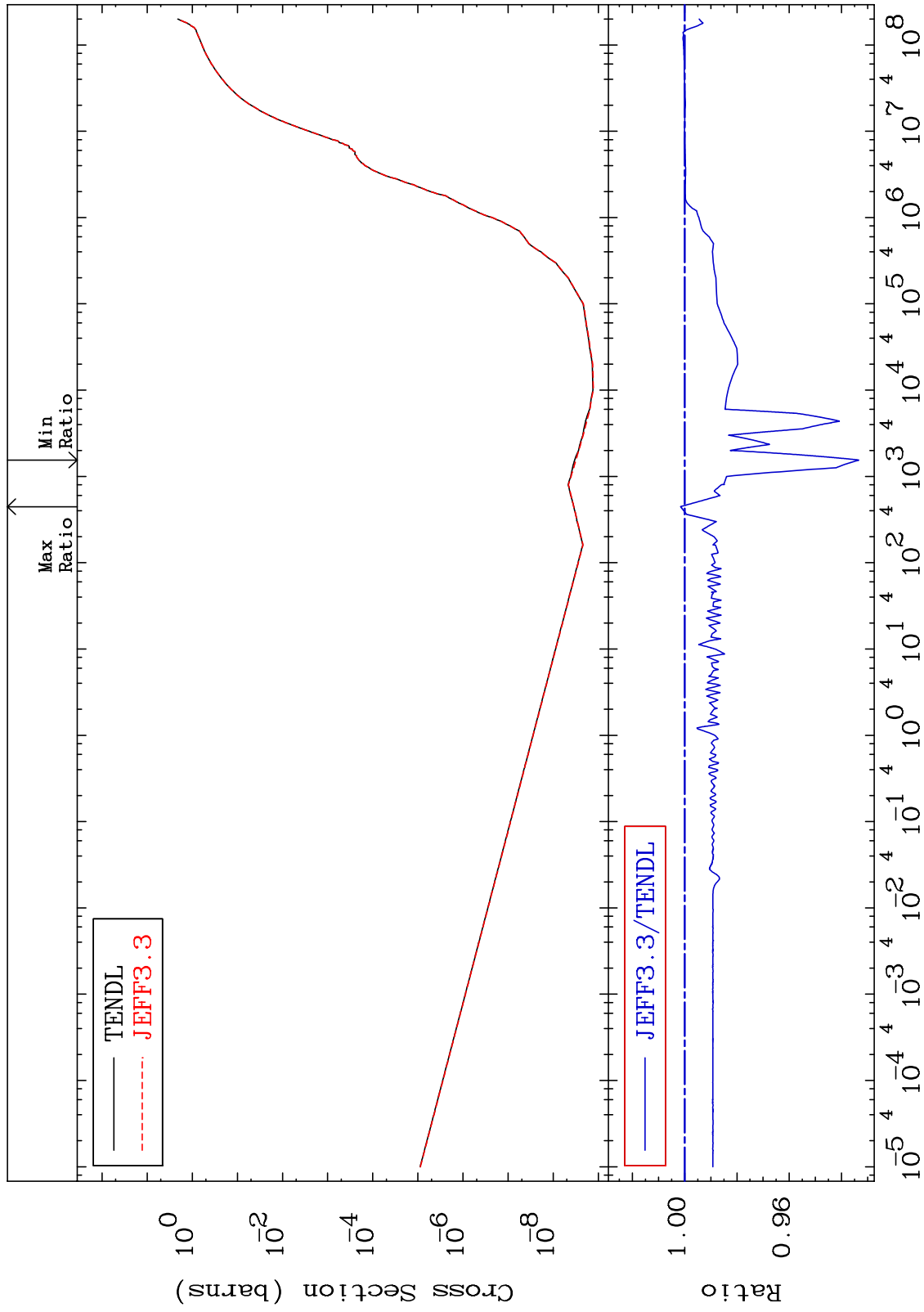




MAT 8434

Hydrogen Production  
Cross Section

84-Po-209  
-6.667 To 0.153 %



64

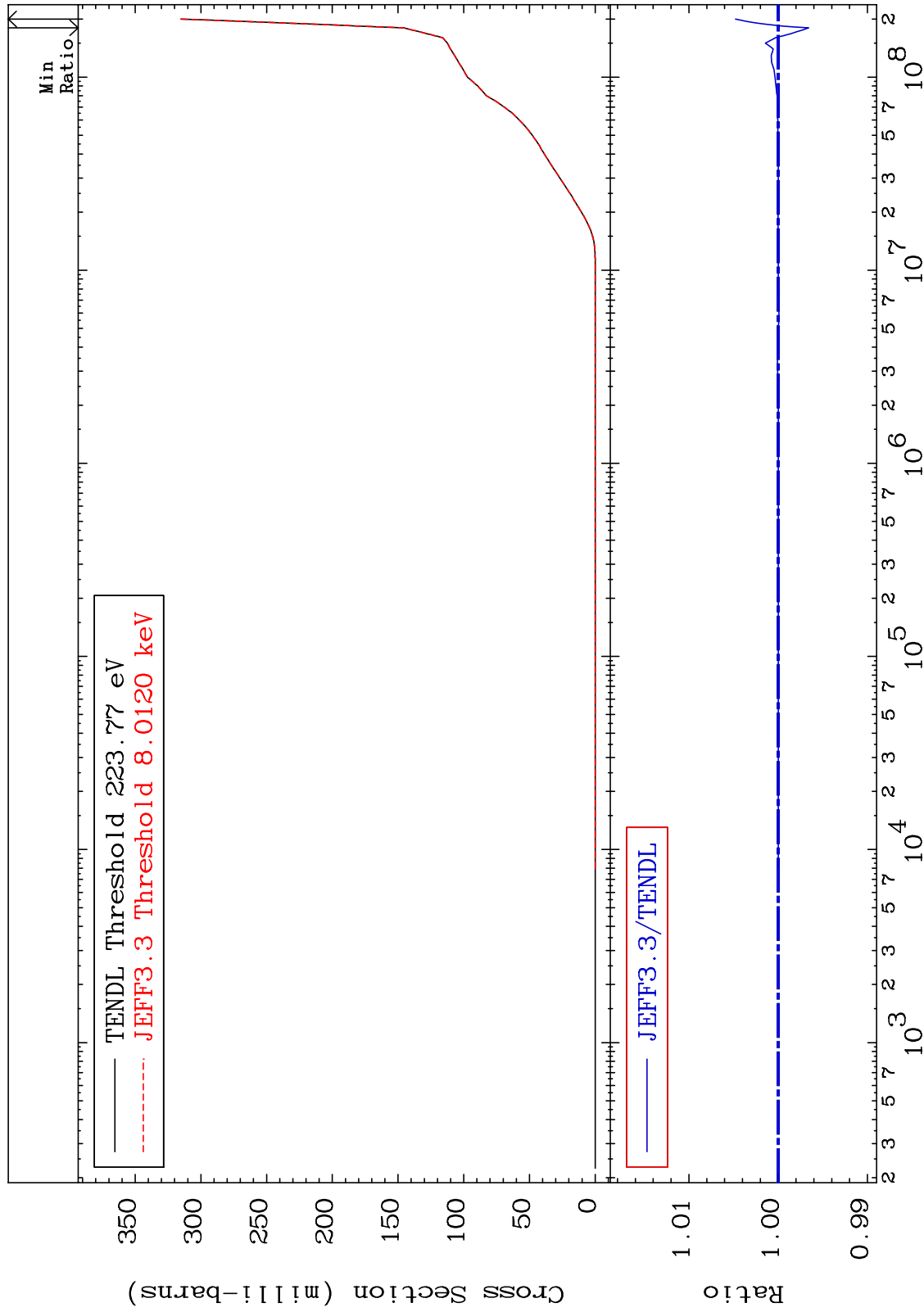
Incident Energy (eV)

84-Po-209

MAT 8434

Deuterium Production  
Cross Section

84-Po-209  
-0.340 To 0.479 %

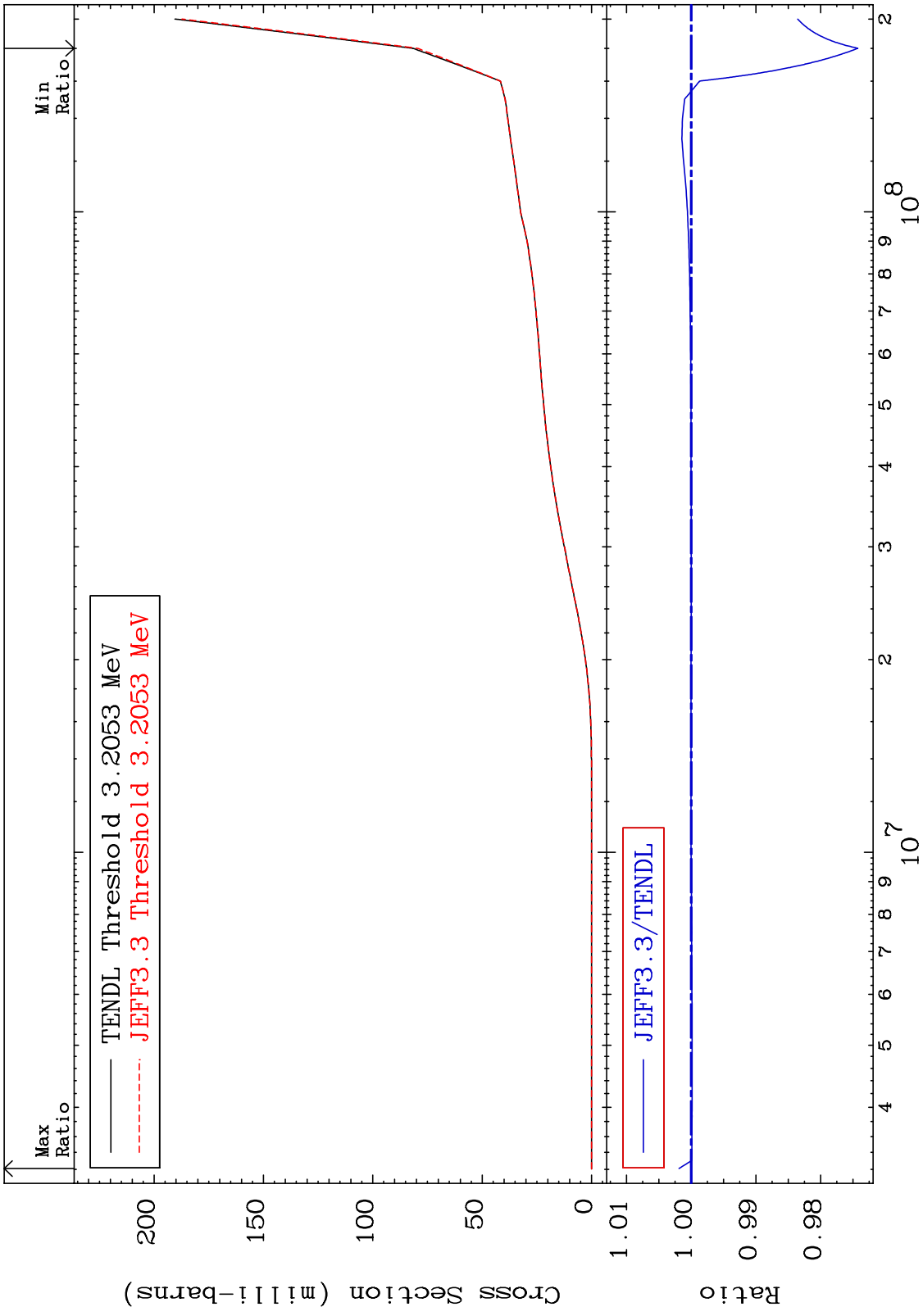


65

Incident Energy (eV)

84-Po-209

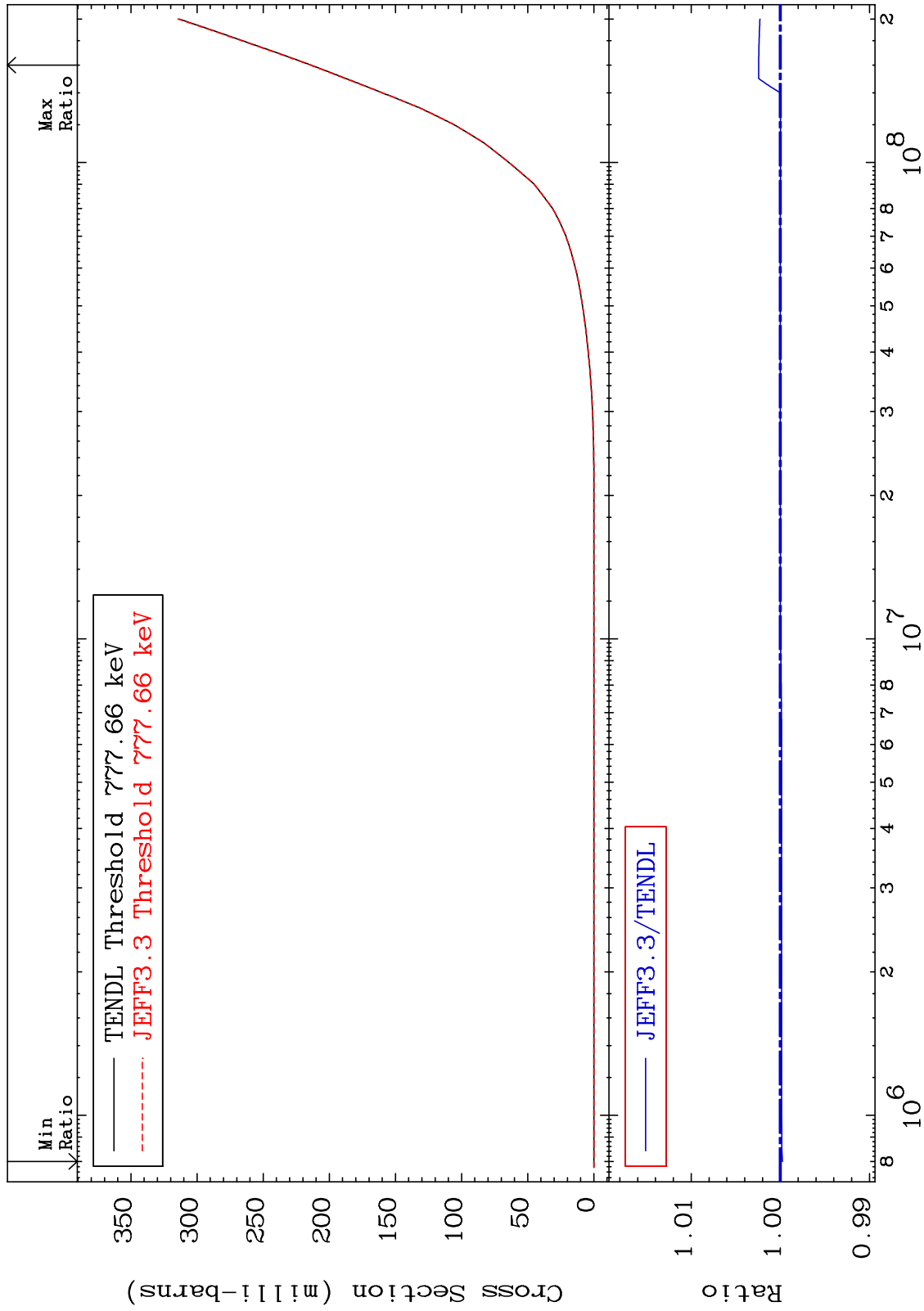
MAT 8434 Tritium Production Cross Section 84-Po-209 -2.576 To 0.187 %



MAT 8434

He-3 Production  
Cross Section

84-Po-209  
-0.023 To 0.244 %



67

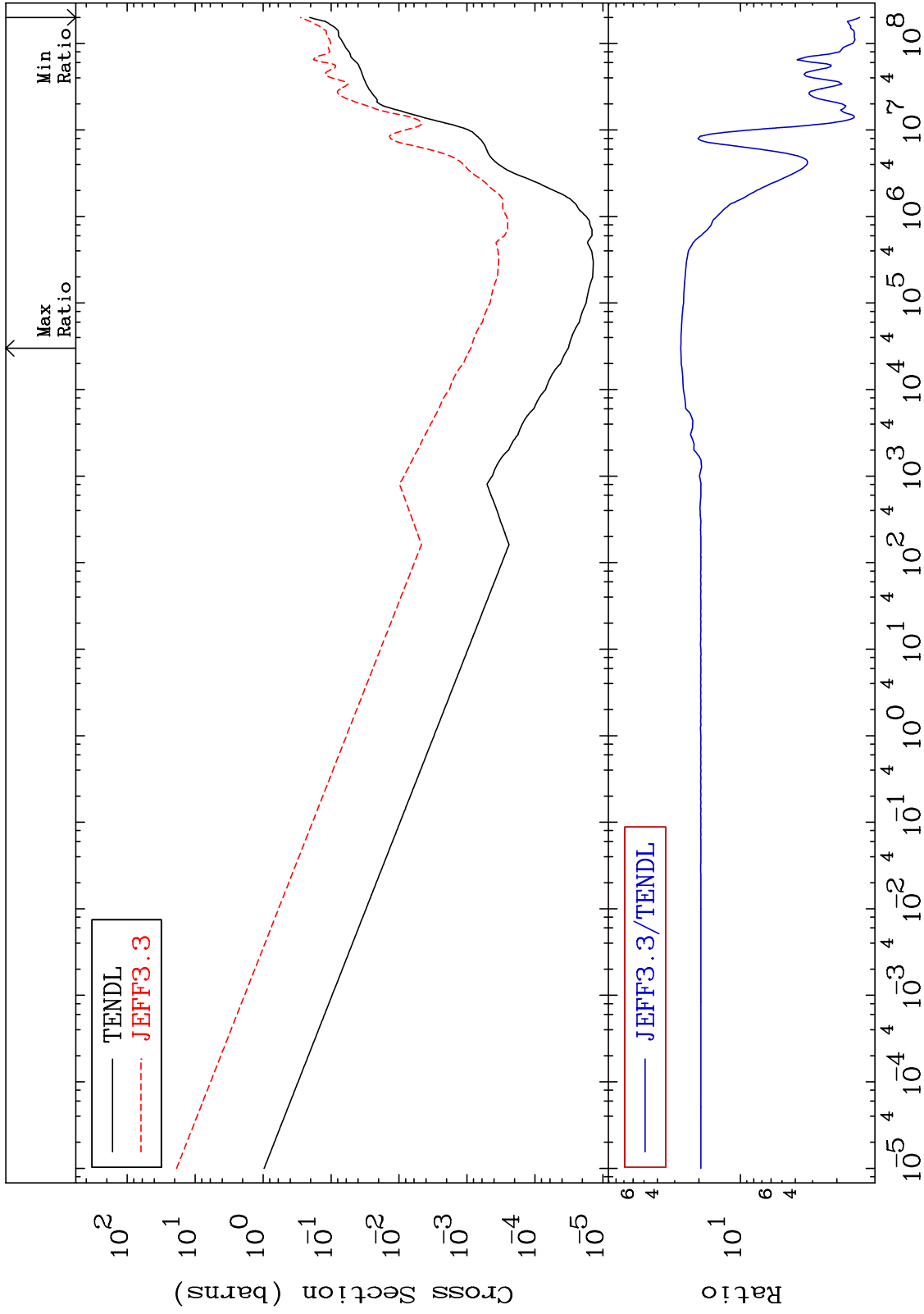
Incident Energy (eV)

84-Po-209

MAT 8434

He-4 Production  
Cross Section

84-Po-209  
36.75 To 2608. %

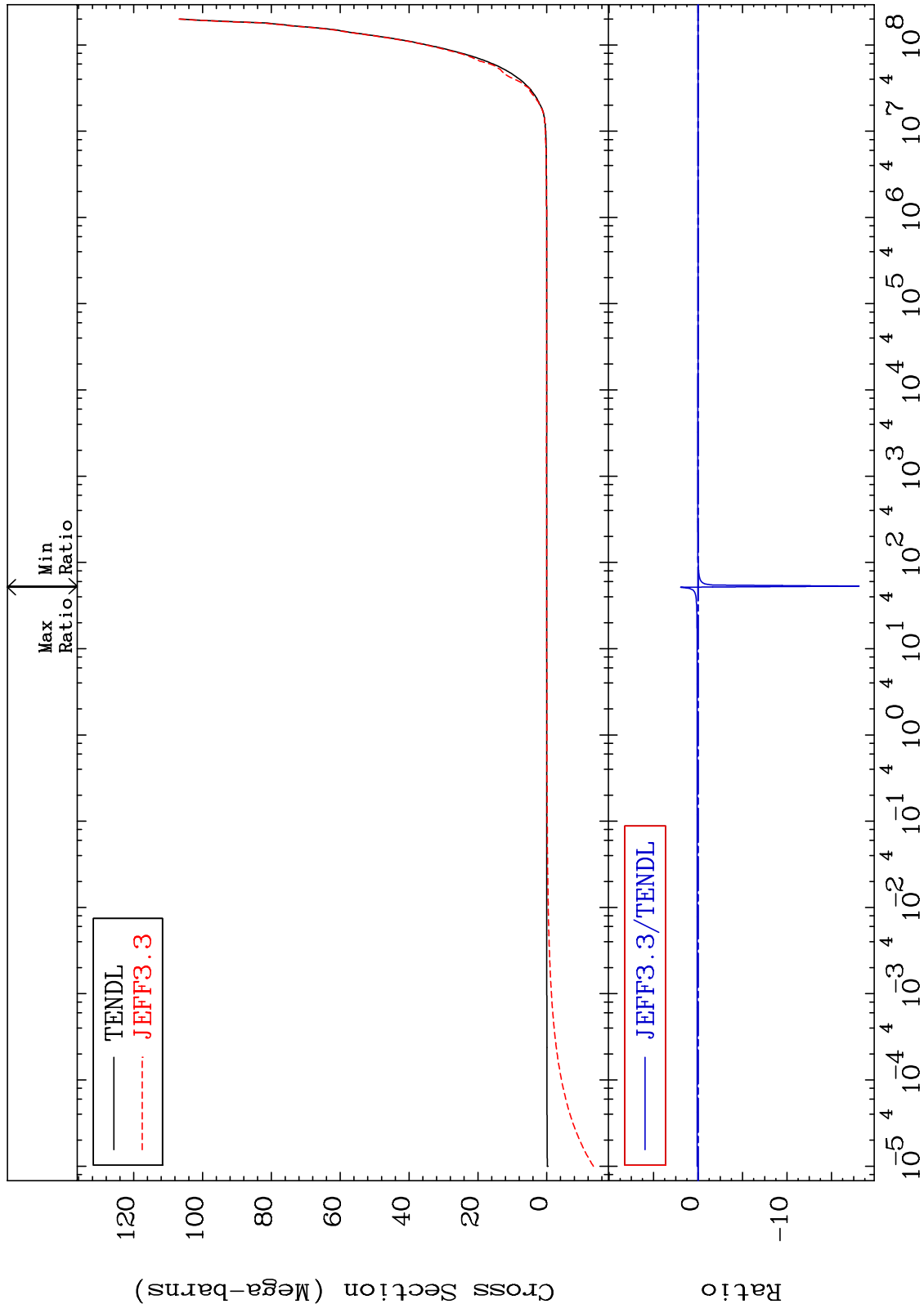


MAT 8434

Kerma total (eV-barns)

84-Po-209

-9999. To 9999. %



69

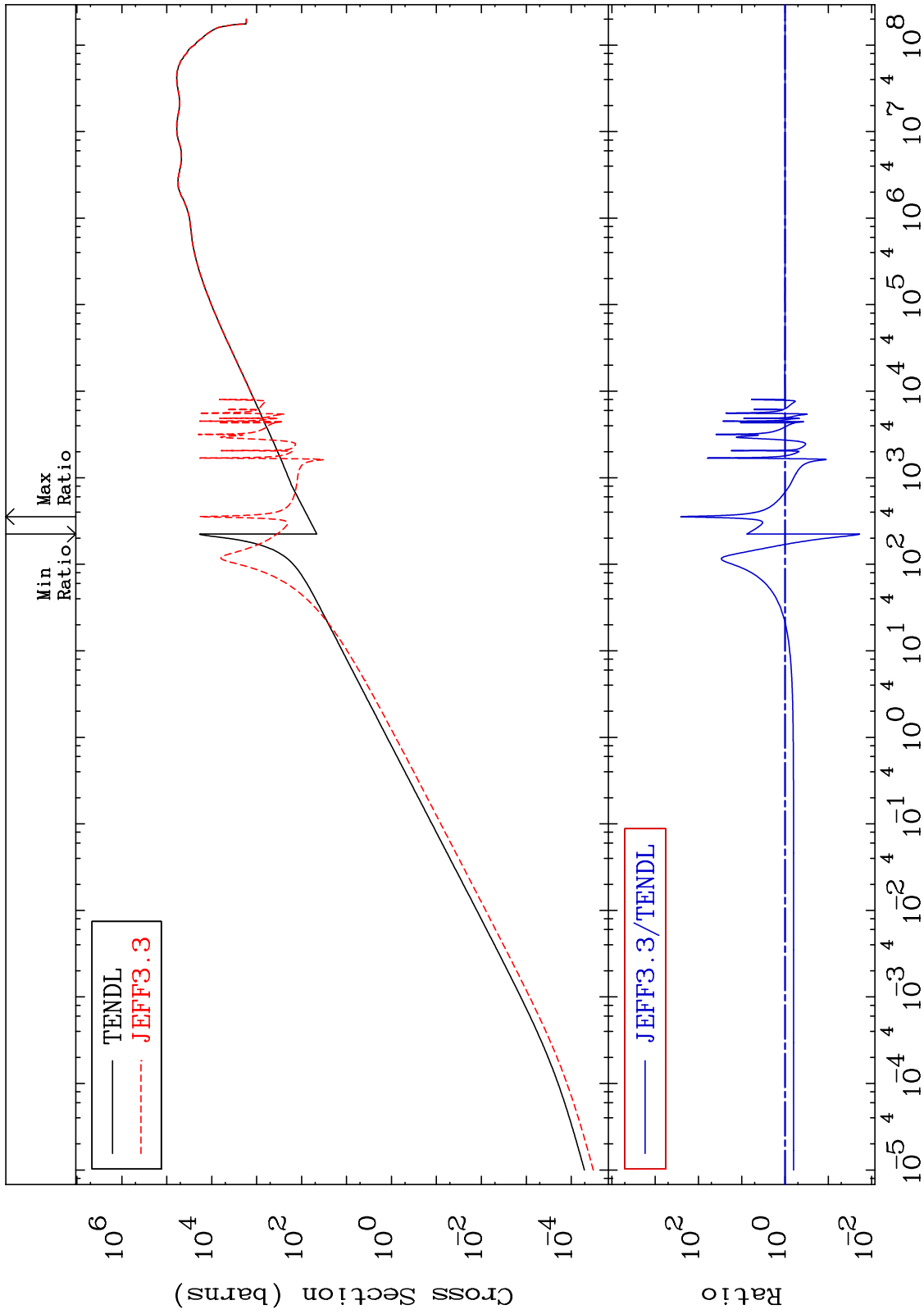
Incident Energy (eV)

84-Po-209

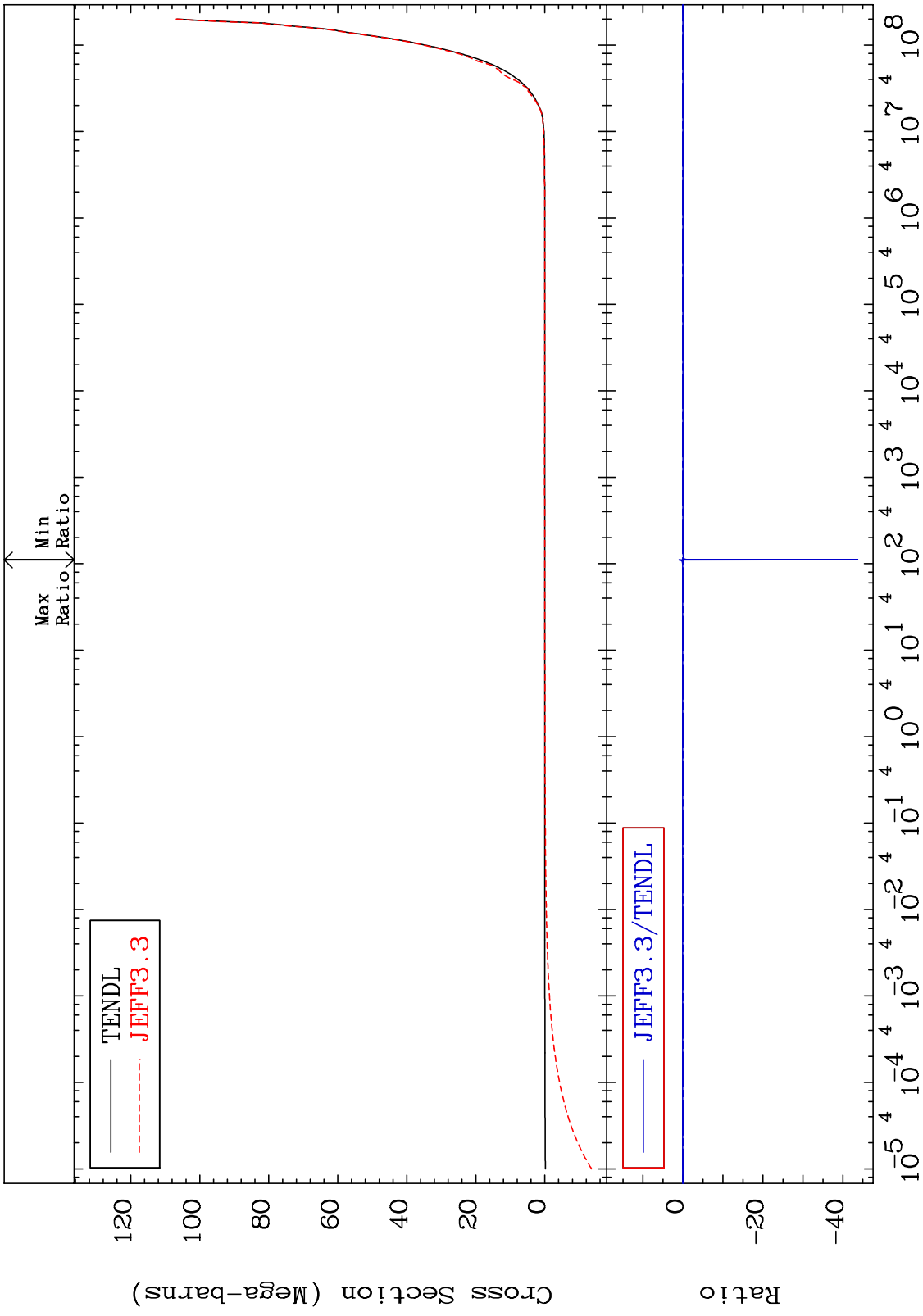
MAT 8434

Kerma elastic  
Cross Section

84-Po-209  
-98.11 To 9999. %



MAT 8434 Kerma non-elastic (all but mt2) 84-Po-209  
 Cross Section -9999. To 9999. %

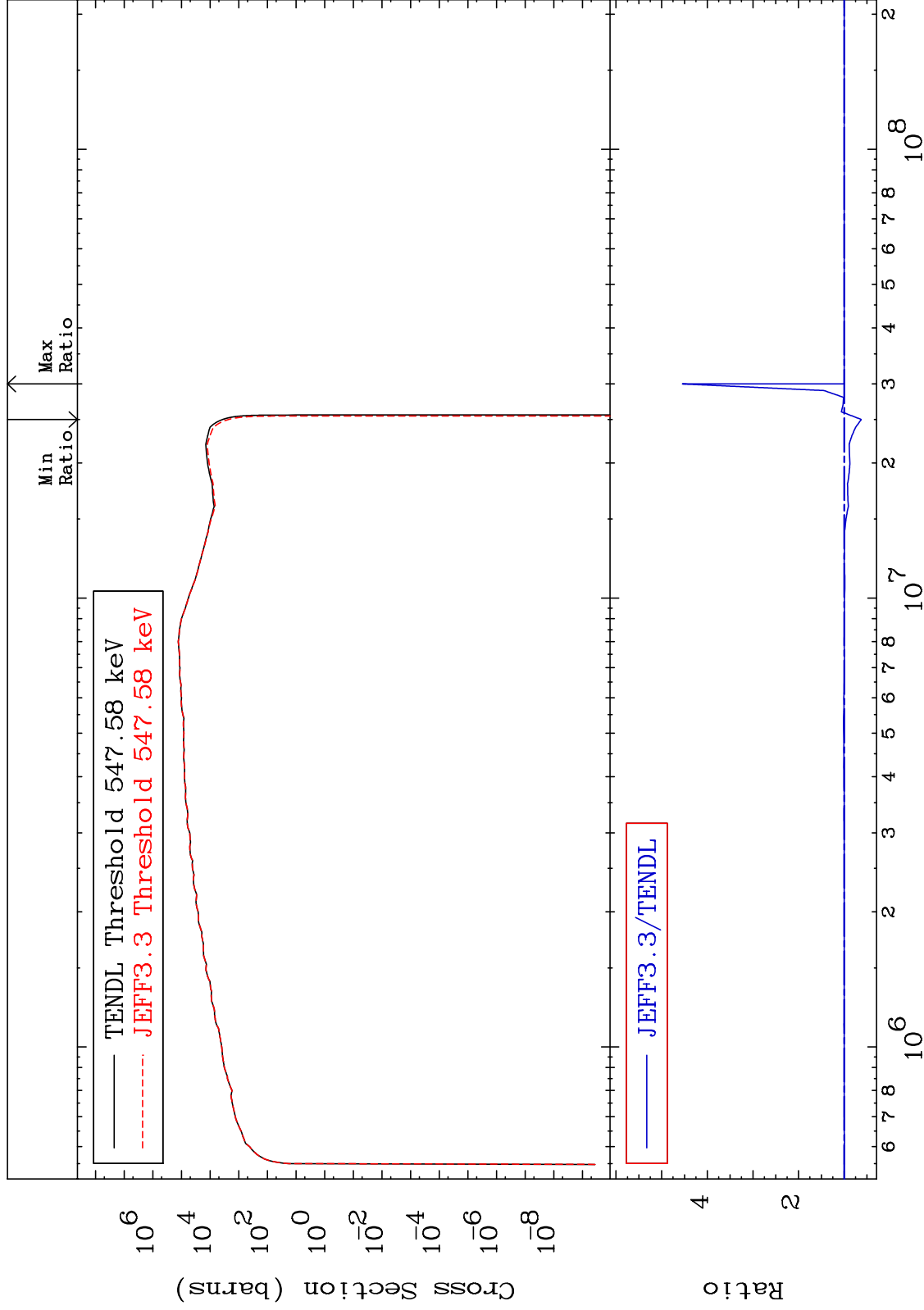




MAT 8434

Kerma inelastic (mt51-91)  
Cross Section

84-Po-209  
-37.53 To 354.4 %



72

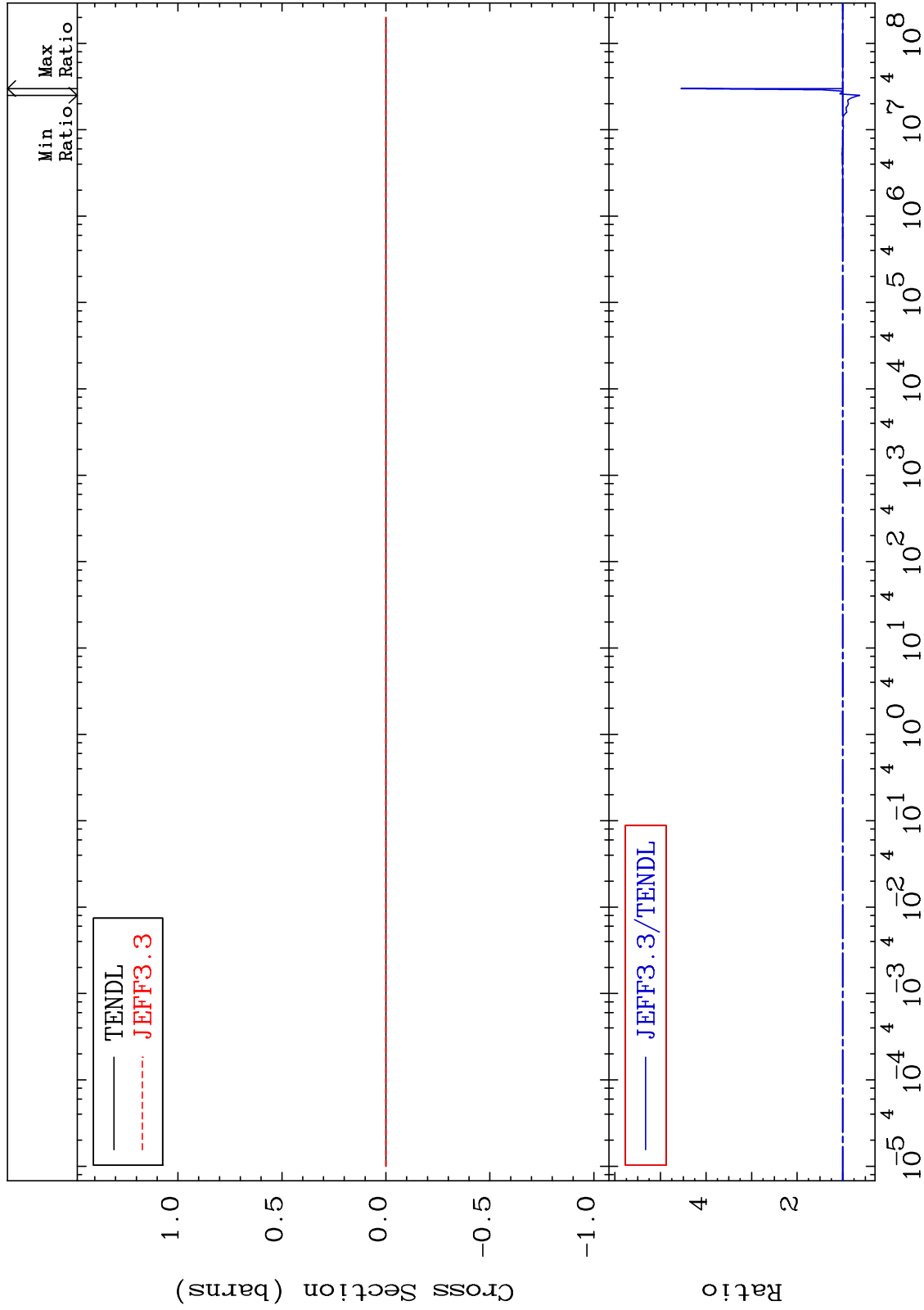
Incident Energy (eV)

84-Po-209

MAT 8434

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

84-Po-209  
-37.53 To 354.4 %



73

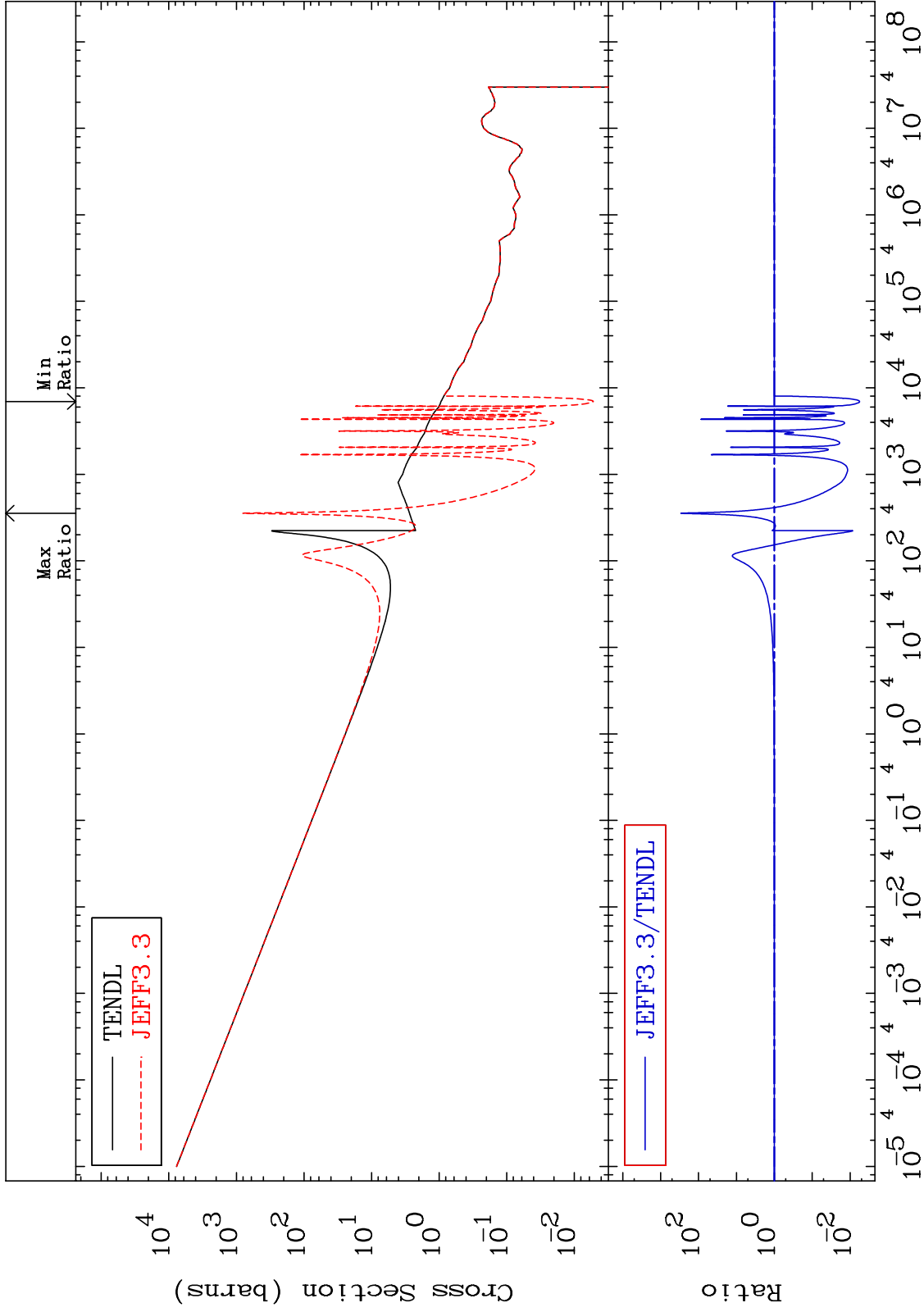
Incident Energy (eV)

84-Po-209

MAT 8434

Kerma capture (mt102)  
Cross Section

84-Po-209  
-99.44 To 9999. %



74

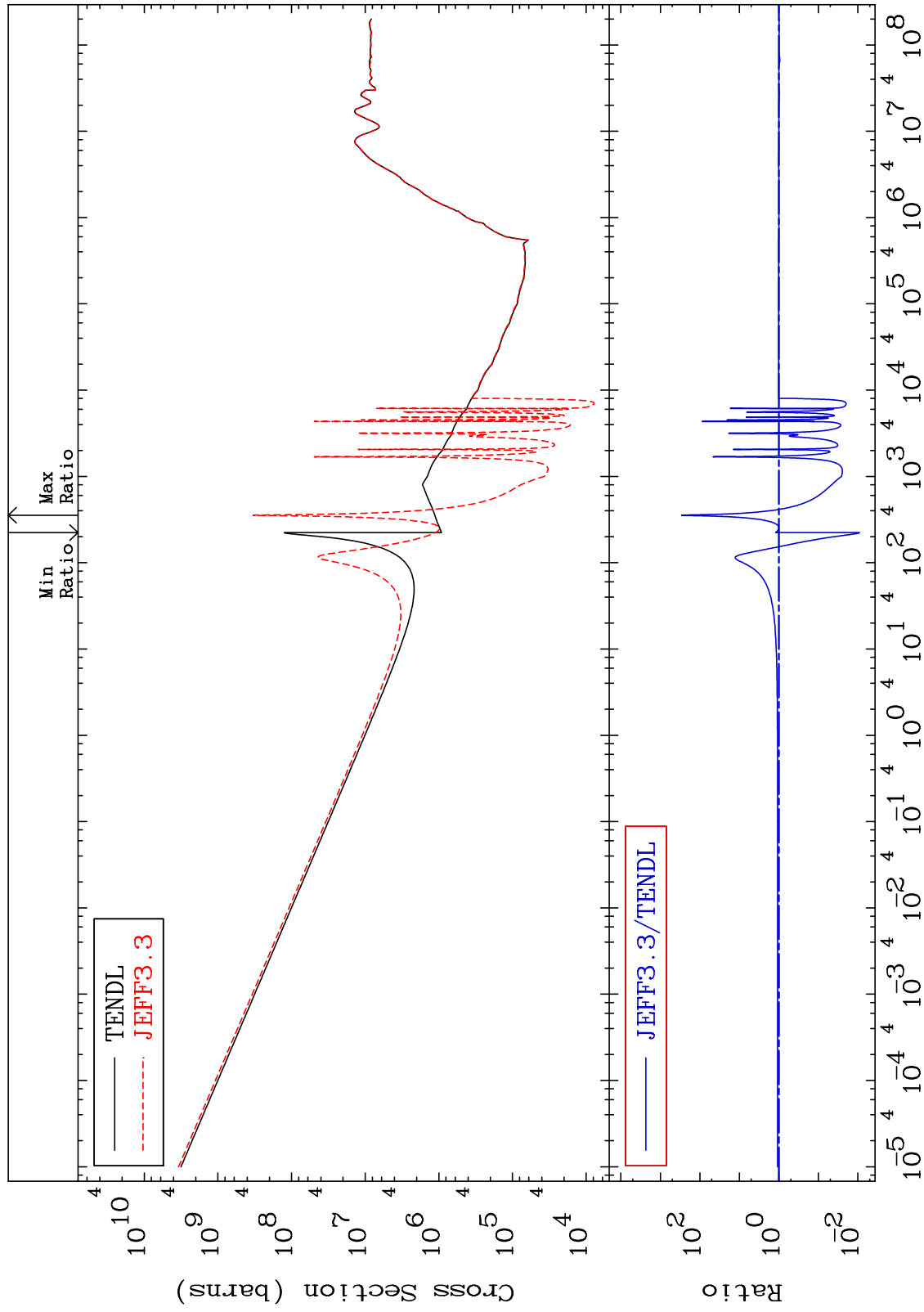
Incident Energy (eV)

84-Po-209

MAT 8434

Total photon (eV-barns)  
Cross Section

84-Po-209  
-99.11 To 9999. %

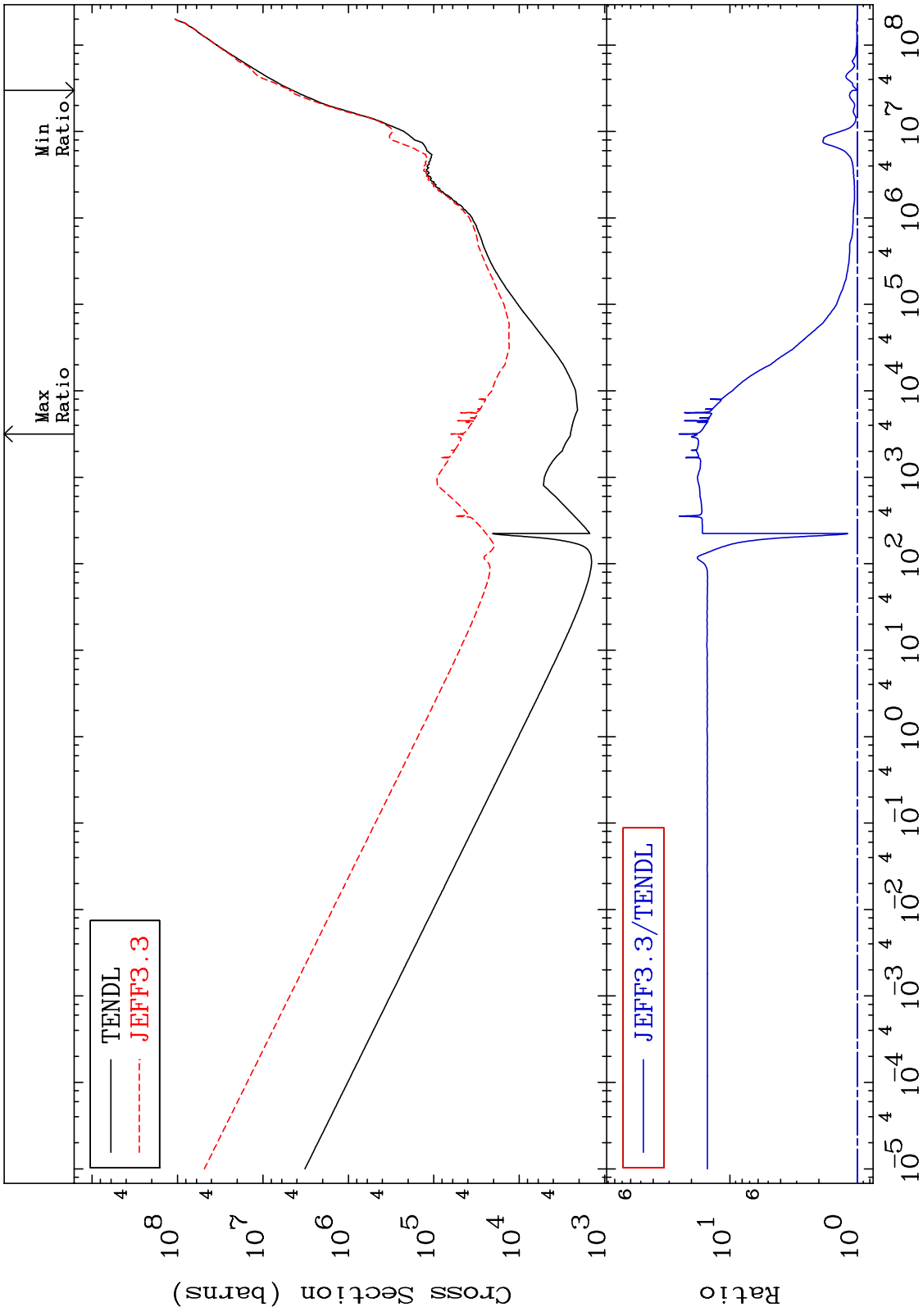


75

Incident Energy (eV)

84-Po-209

MAT 8434 Total kinematic kerma (high limit) 84-Po-209  
Cross Section -0.866 To 2404. %

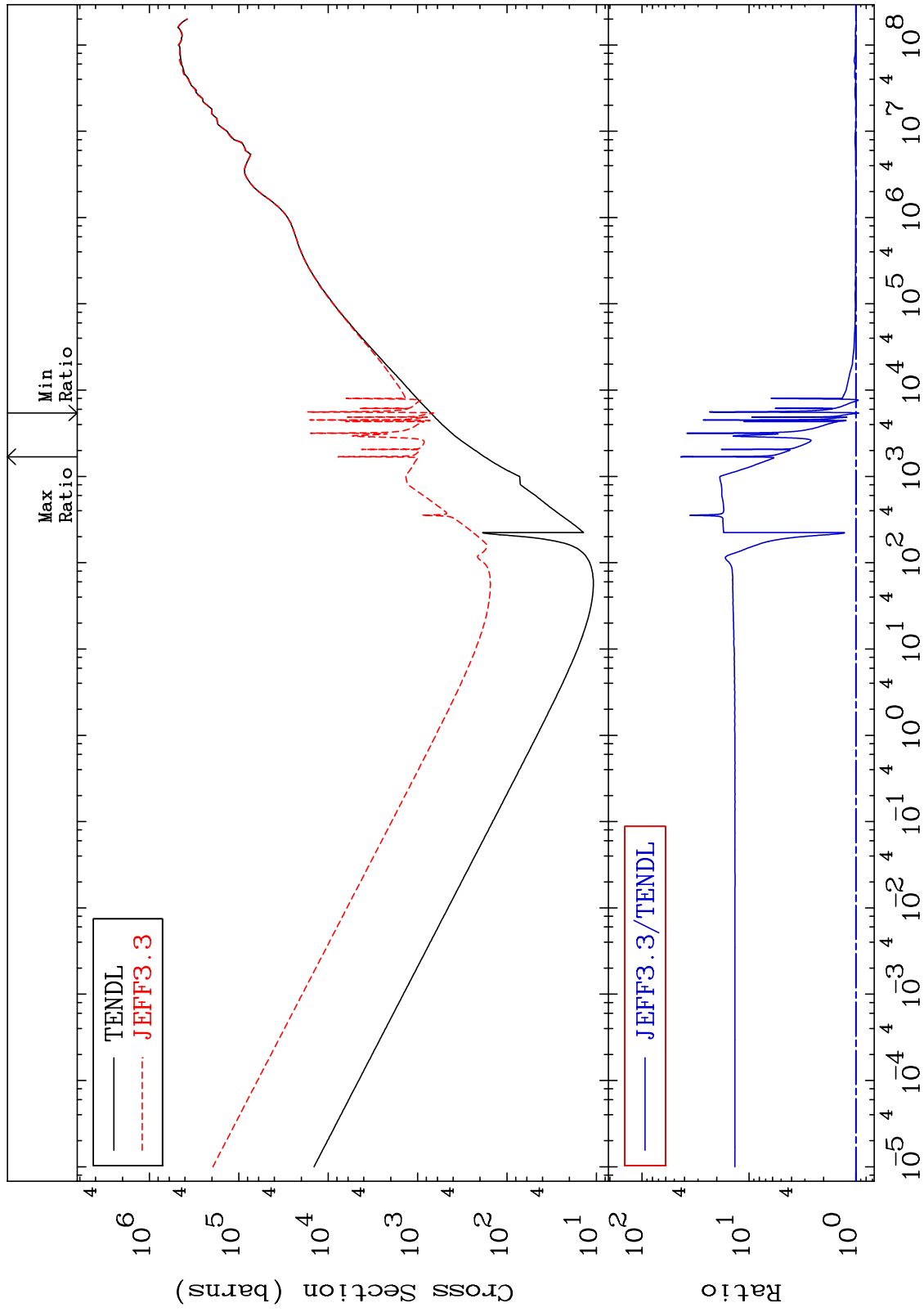


76 Incident Energy (eV) 84-Po-209

MAT 8434

Dpa total (eV-barns)  
Cross Section

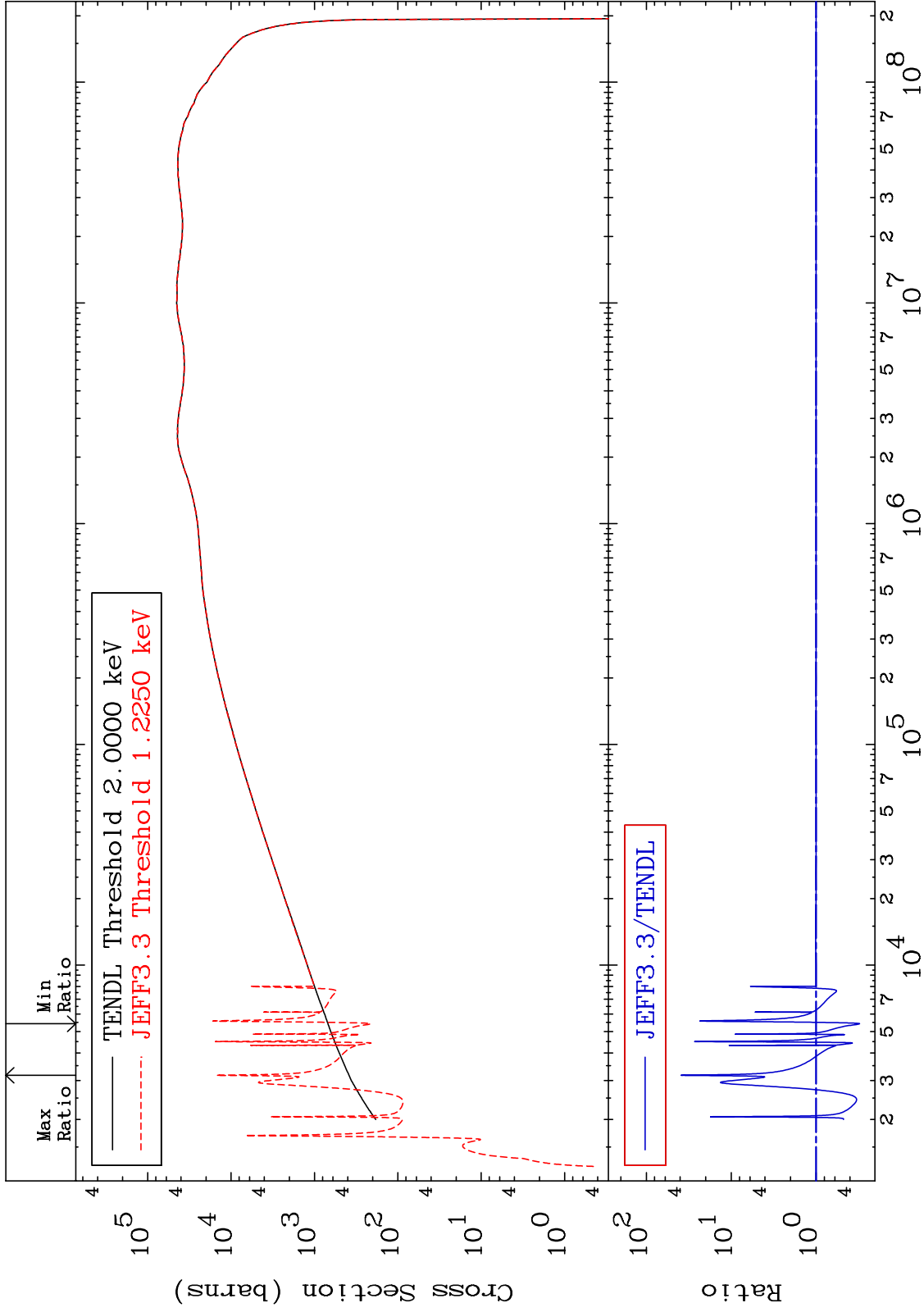
84-Po-209  
-6.549 To 4256. %

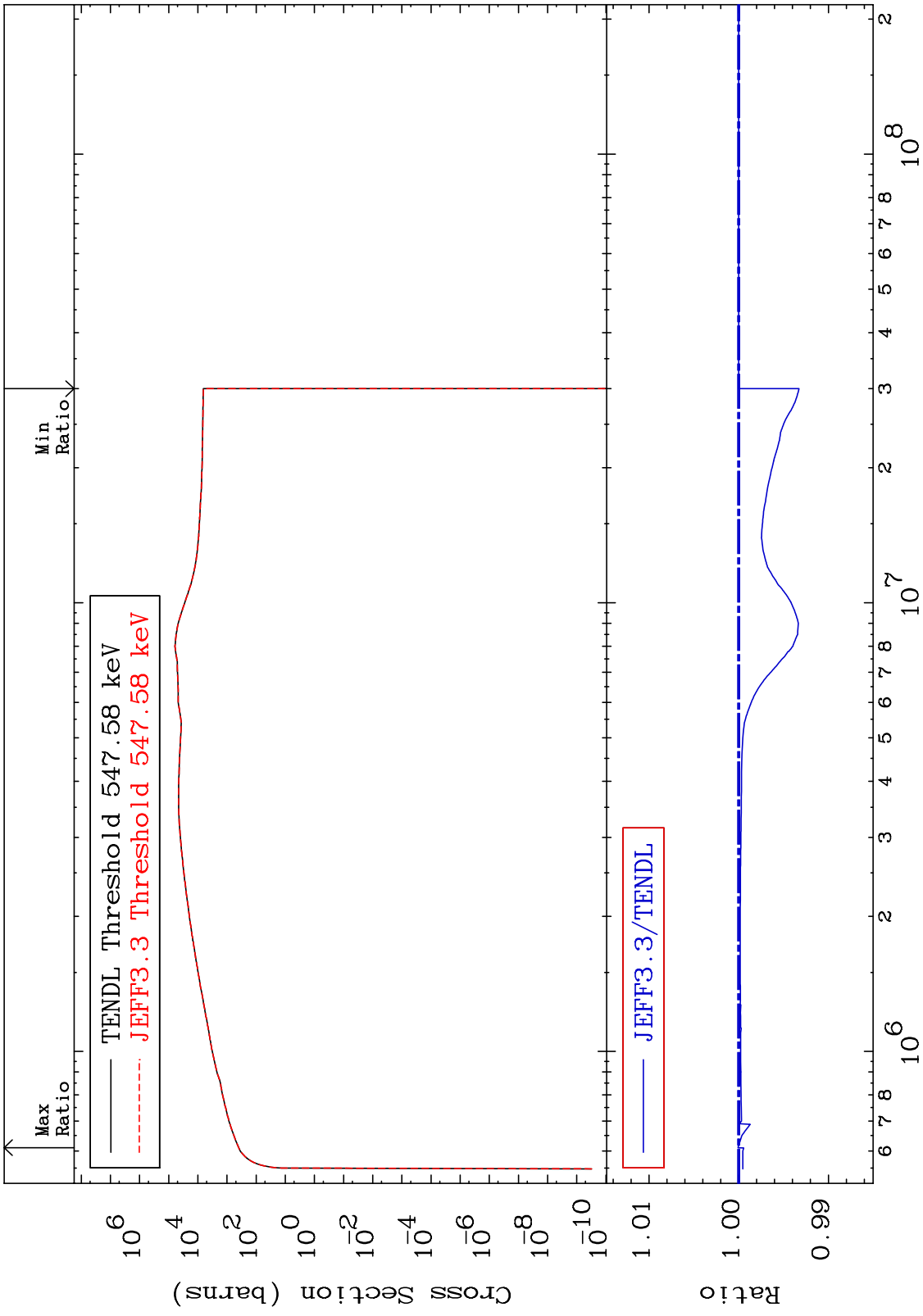


MAT 8434

Dpa elastic (mt2)  
Cross Section

84-Po-209  
-69.30 To 3826. %



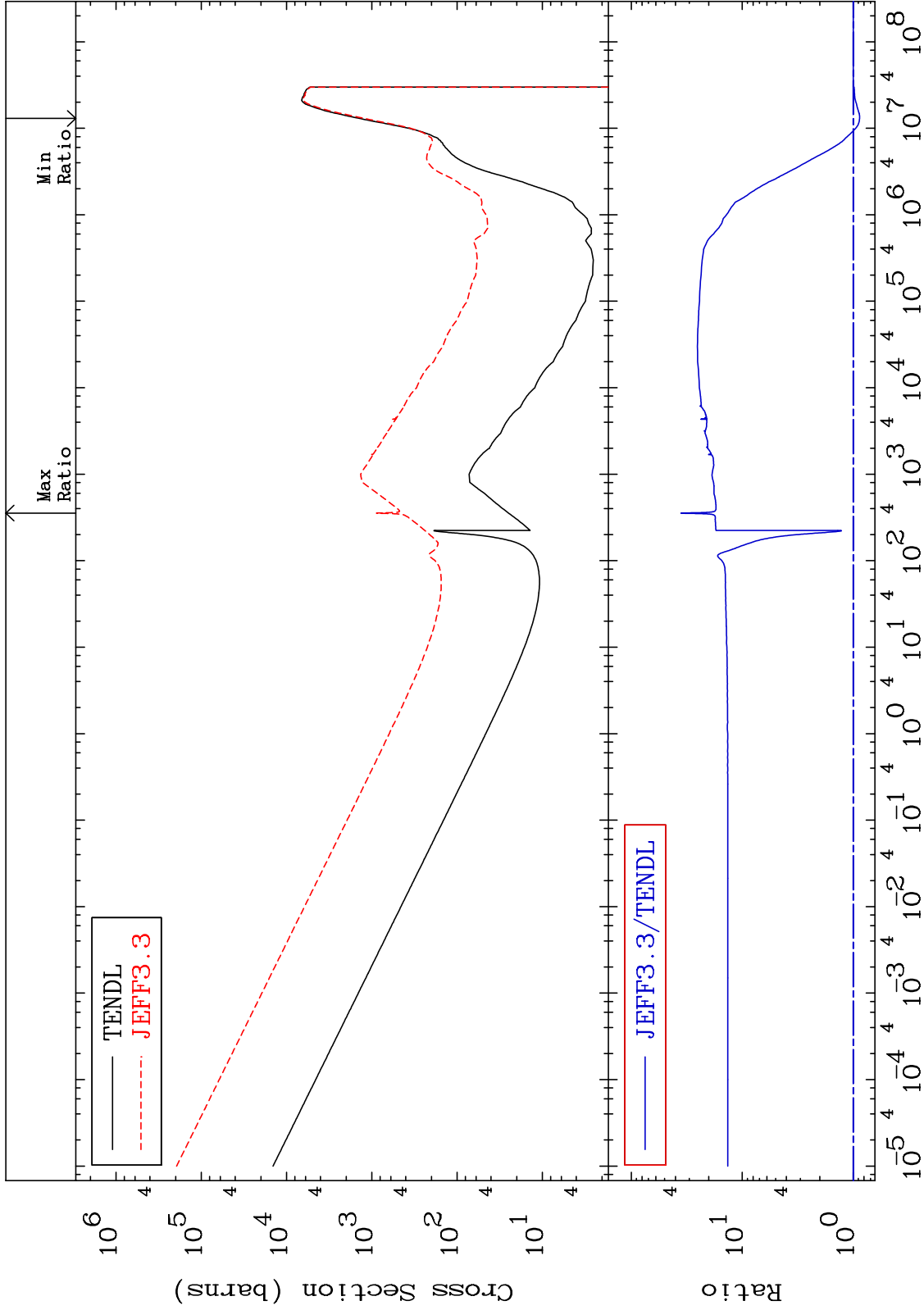




MAT 8434

Dpa disappearance (mt102 -120)  
Cross Section

84-Po-209  
-12.42 To 3477. %

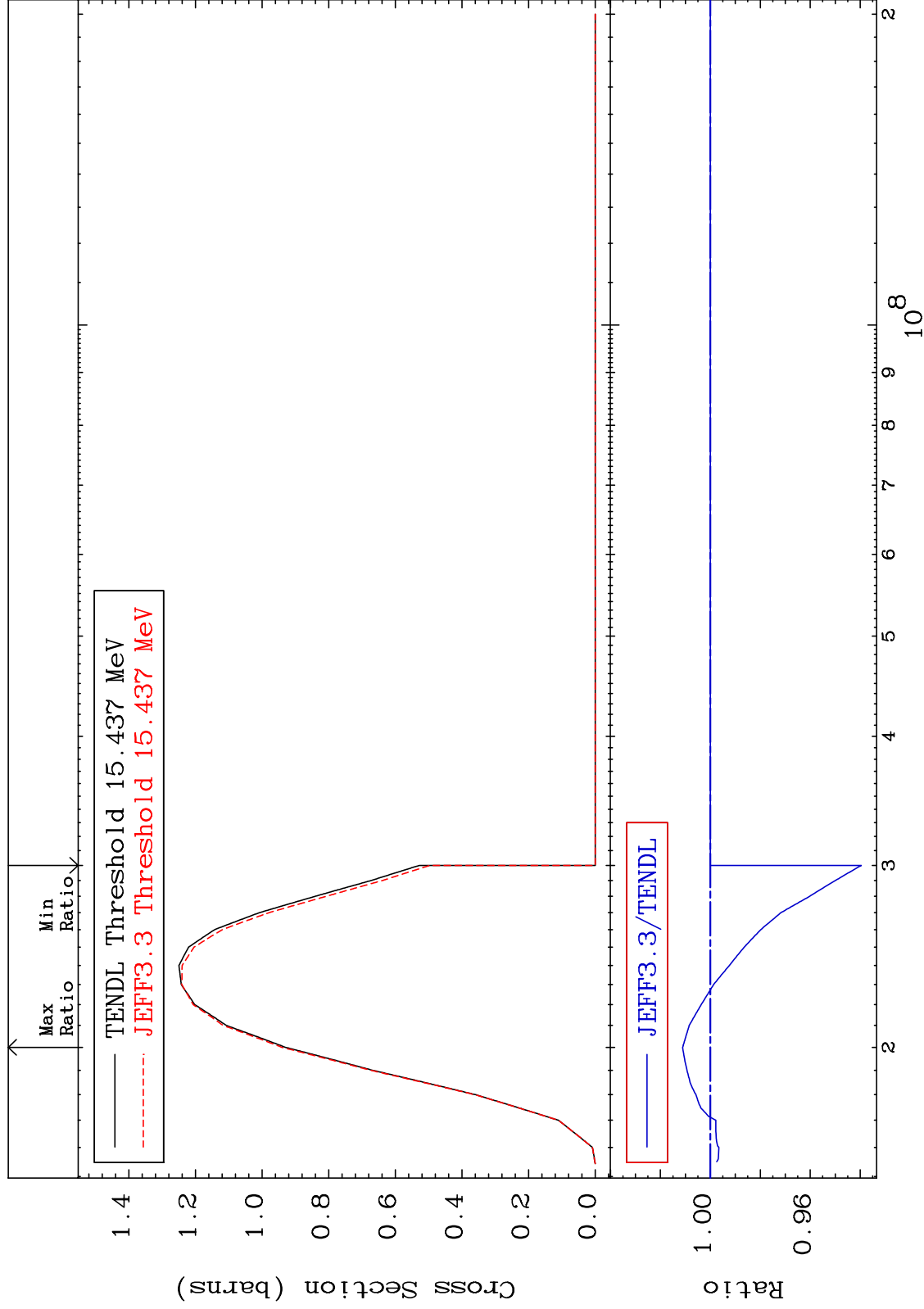


MAT 8434

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

84-Po-209

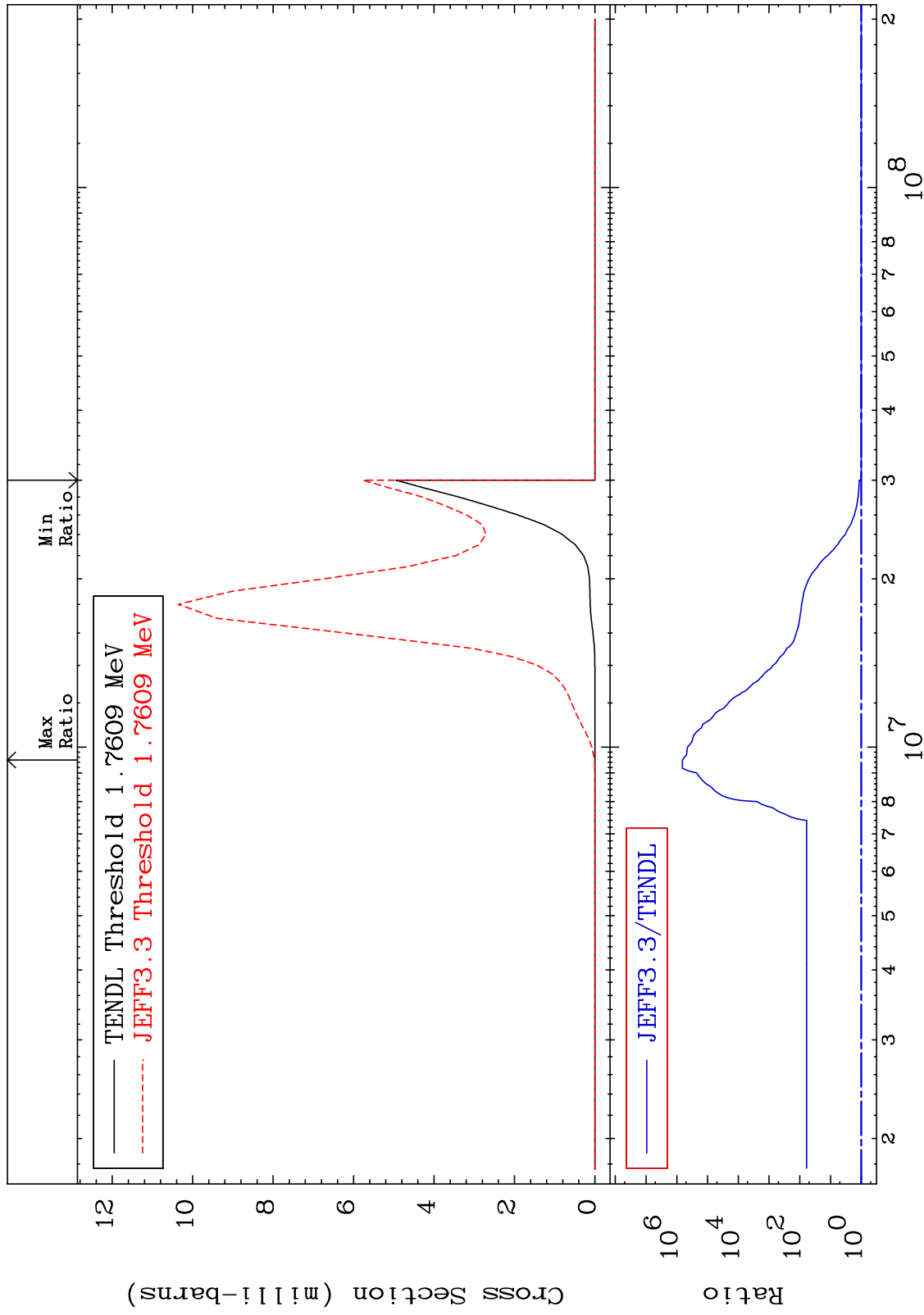
Radionuclide Production Cross Section -6.047 To 1.109 %



MAT 8434

(n,2n)  $\alpha$ :82-Pb-204g  
Radionuclide Production Cross Section 0.000 To 9999. %

84-Po-209  
To 9999. %



82

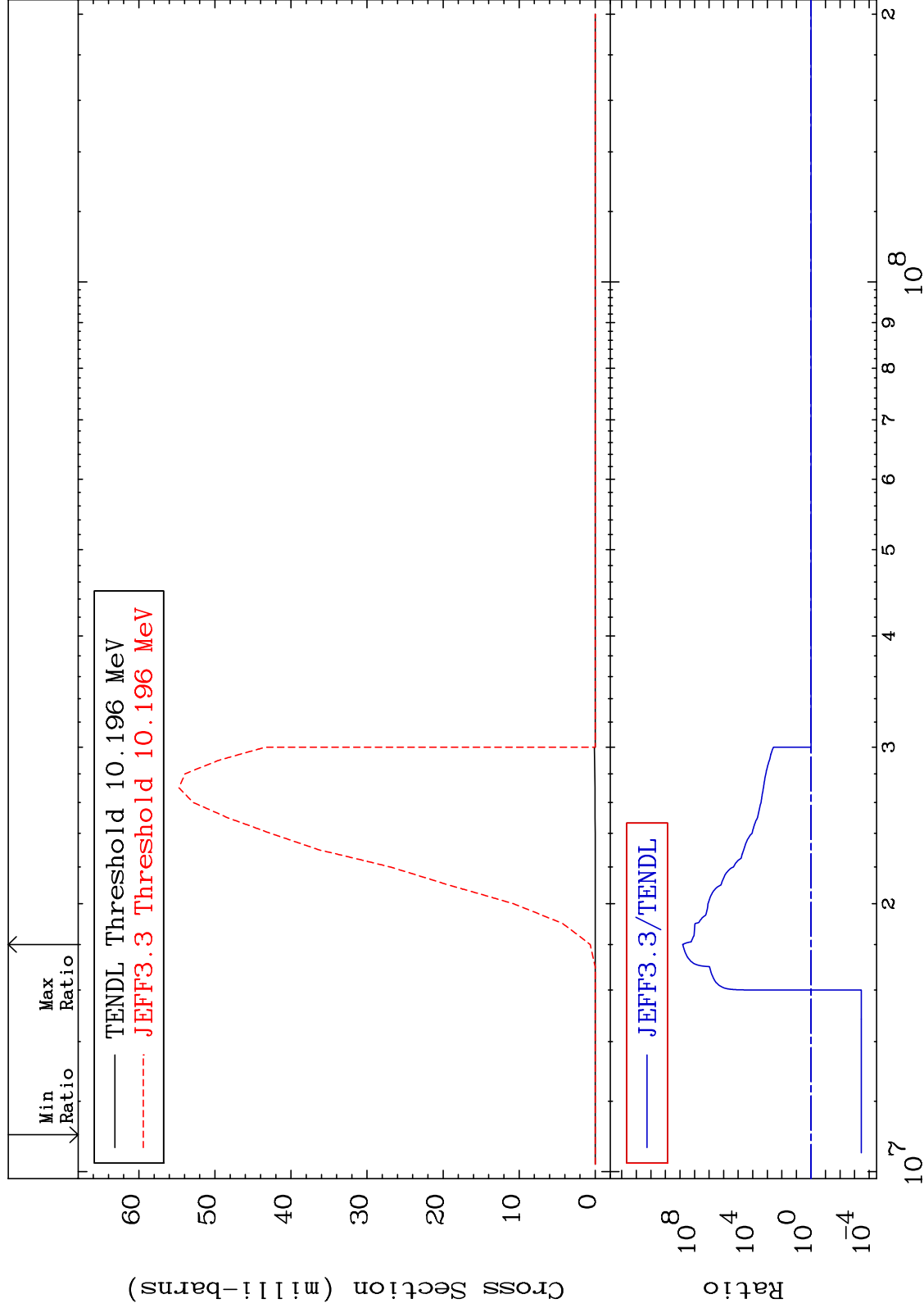
84-Po-209

MAT 8434

(n,3n)  $\alpha$ :82-Pb-203g

84-Po-209

Radionuclide Production Cross Section -99.97 To 9999. %



83

Incident Energy (eV)

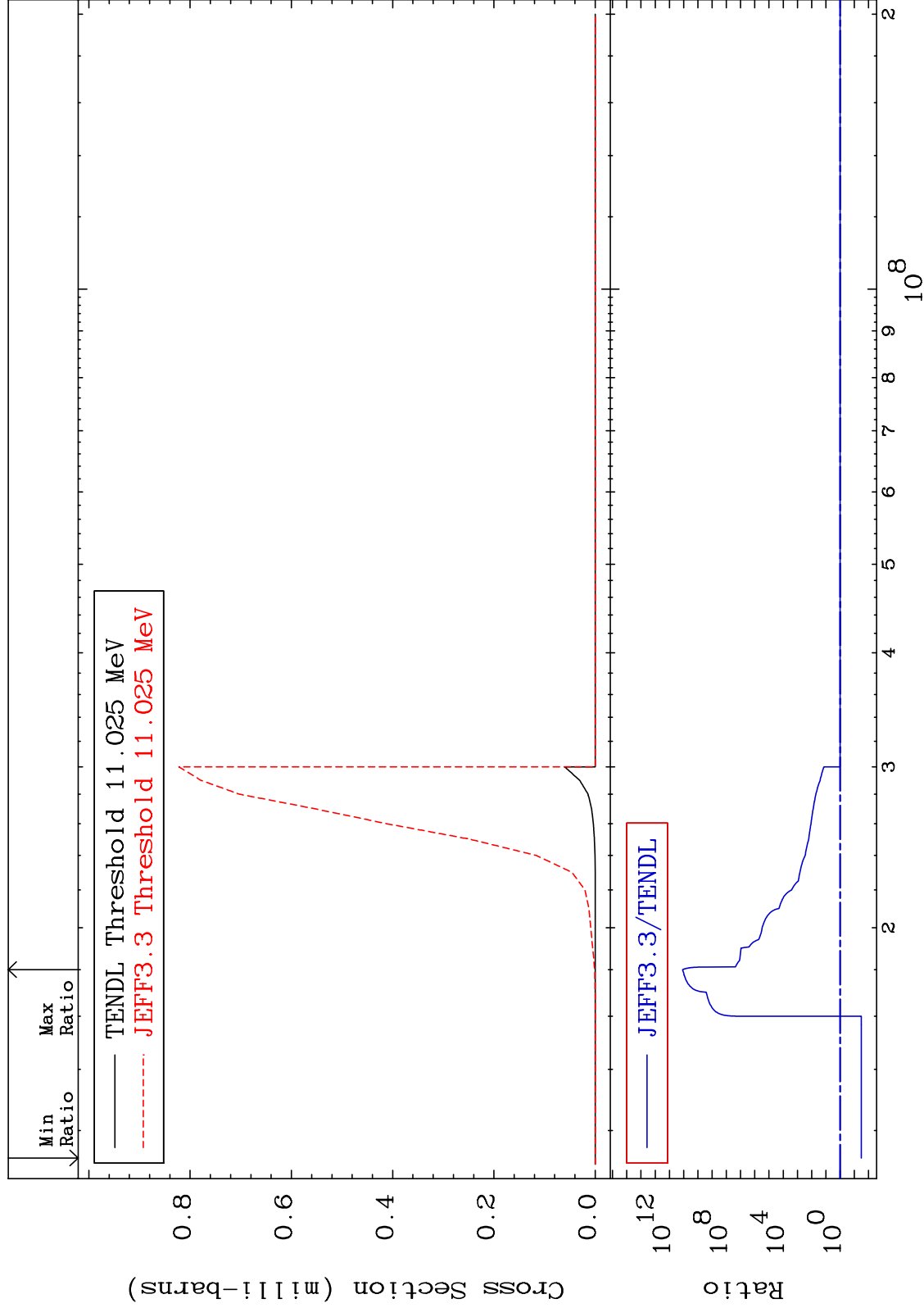
84-Po-209

MAT 8434

(n,3n)  $\alpha$ : 82-Pb-203m6

84-Po-209

Radionuclide Production Cross Section -96.78 To 9999. %

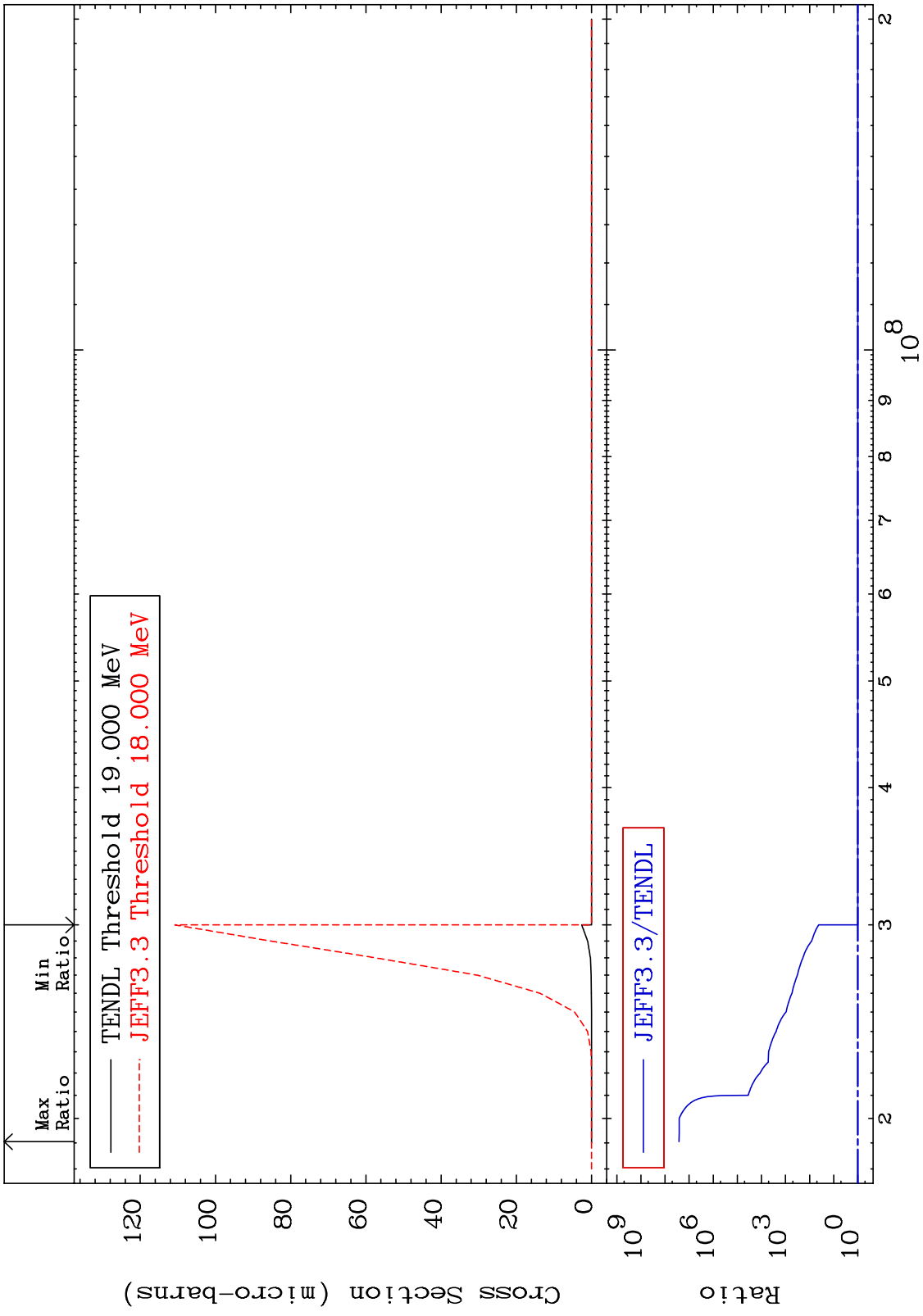


84

Incident Energy (eV)

84-Po-209

MAT 8434 (n,3n)  $\alpha$ :82-Pb-203m10 84-Po-209  
 Radionuclide Production Cross Section 0.000 To 9999. %

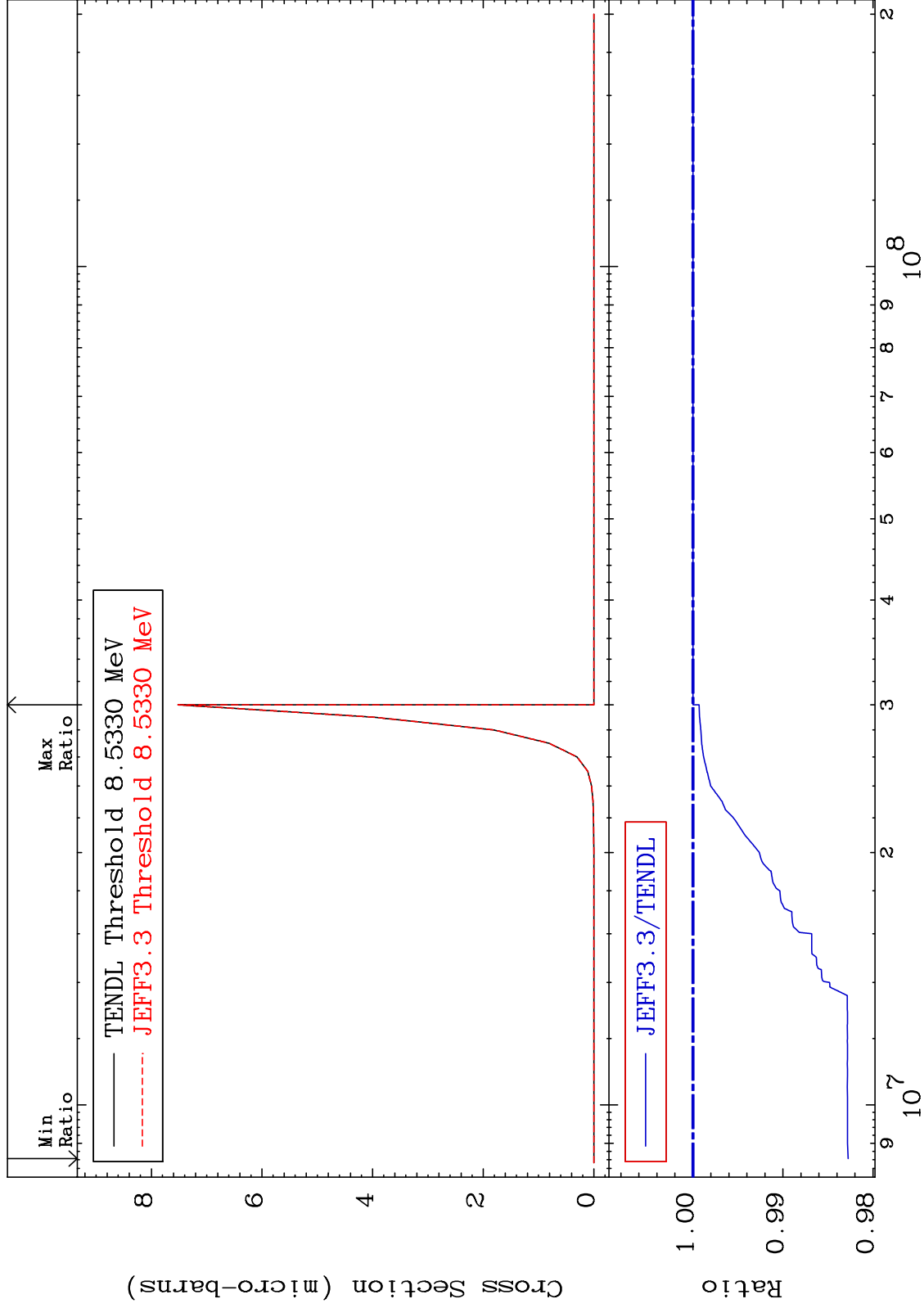


MAT 8434

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

84-Po-209

Radionuclide Production Cross Section -1.724 To 0.000 %



86

Incident Energy (eV)

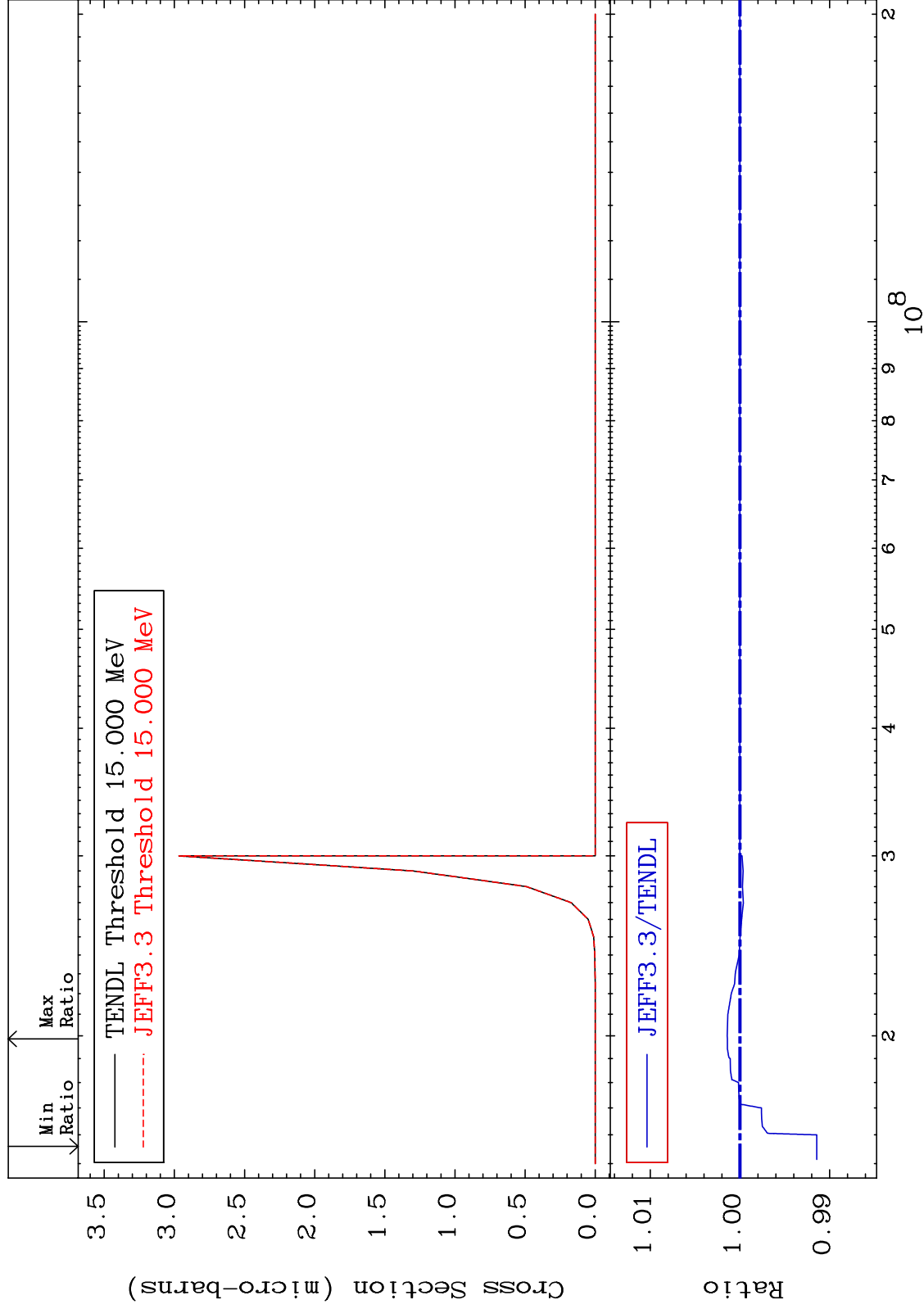
84-Po-209

MAT 8434

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

84-Po-209

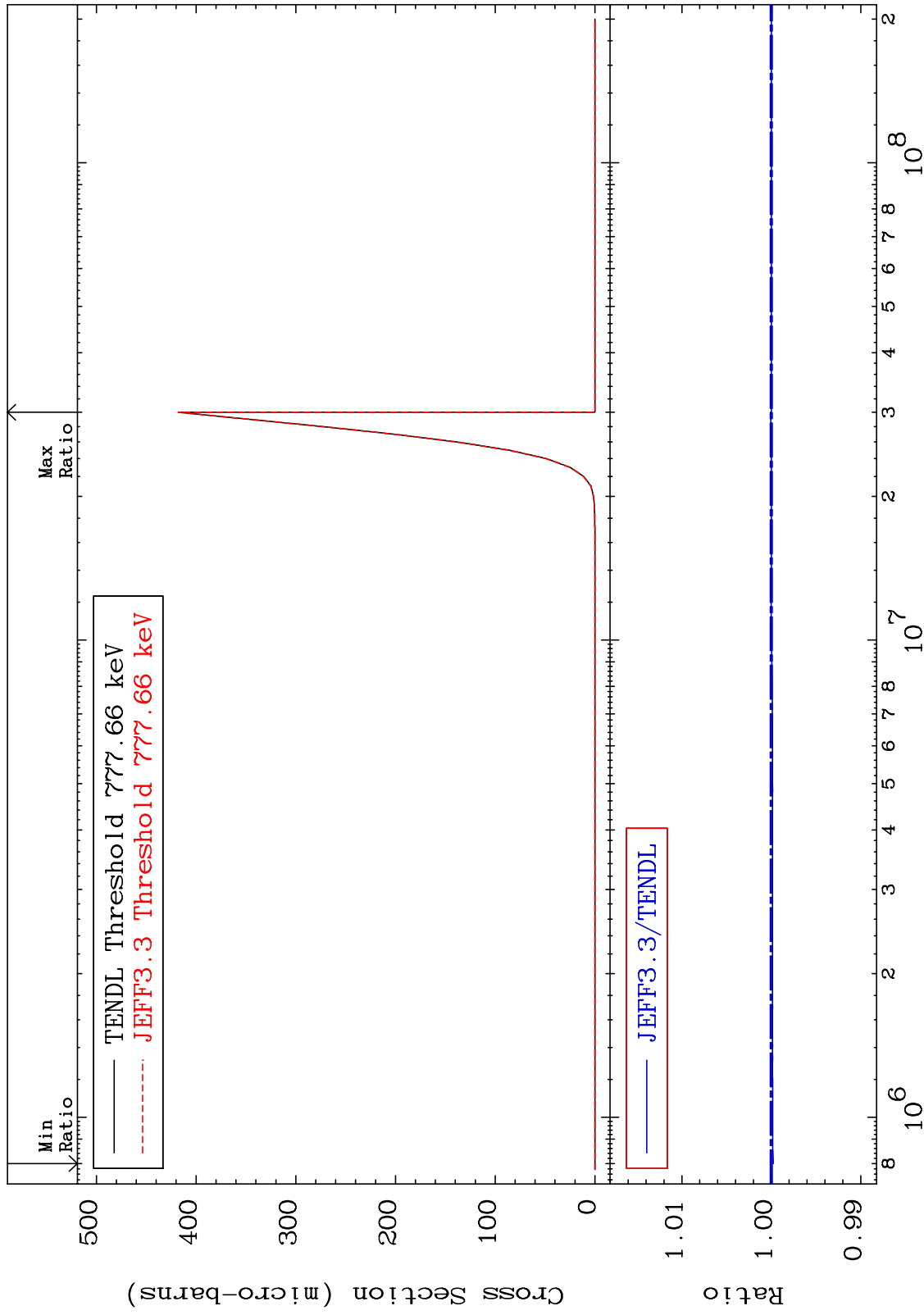
Radionuclide Production Cross Section -0.857 To 0.142 %





MAT 8434

(n, He-3) : 82-Pb-207g 84-Po-209  
Radionuclide Production Cross Section -0.023 To 0.010 %

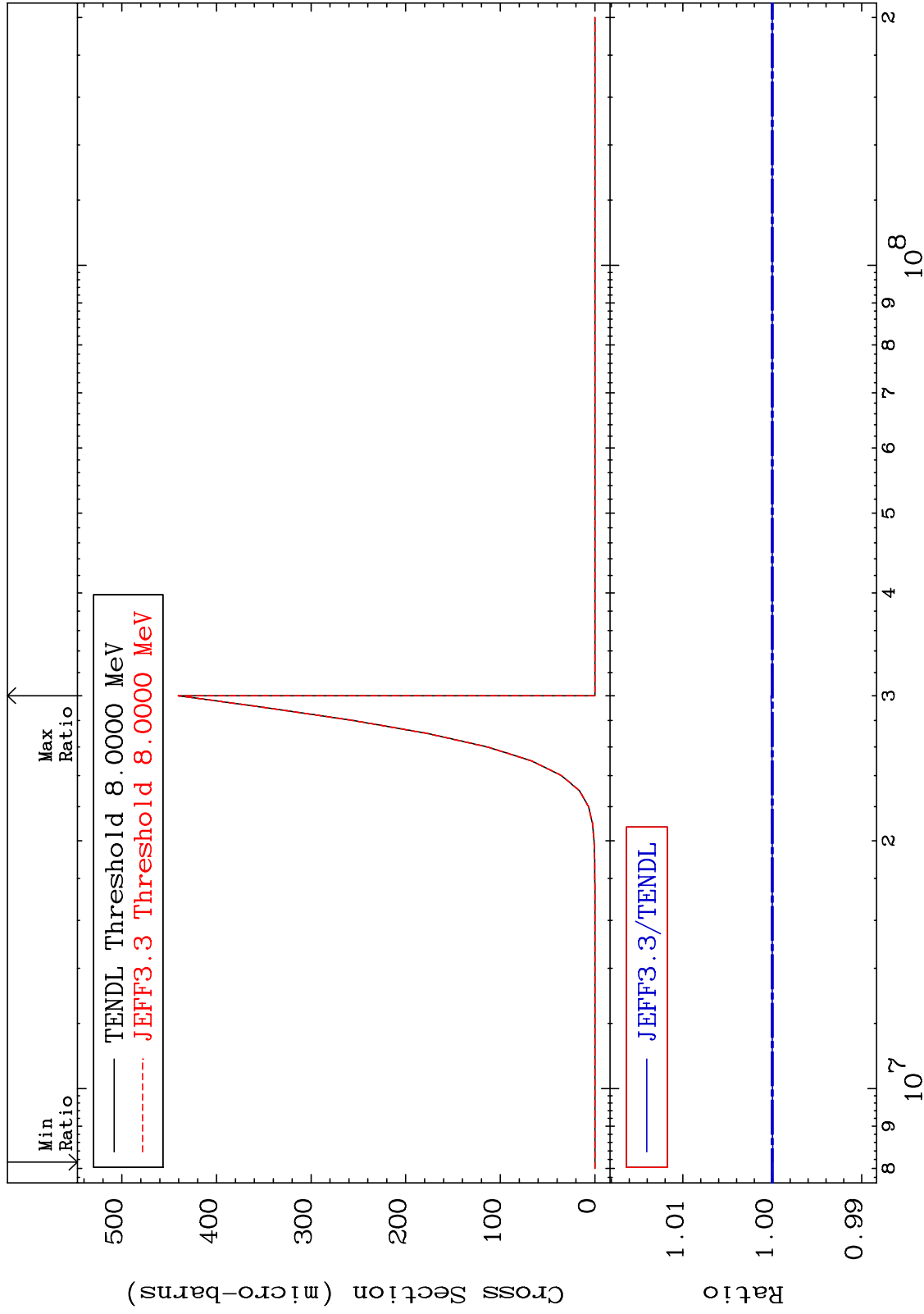


MAT 8434

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

84-Po-209

Radionuclide Production Cross Section -0.005 To 0.015 %



89

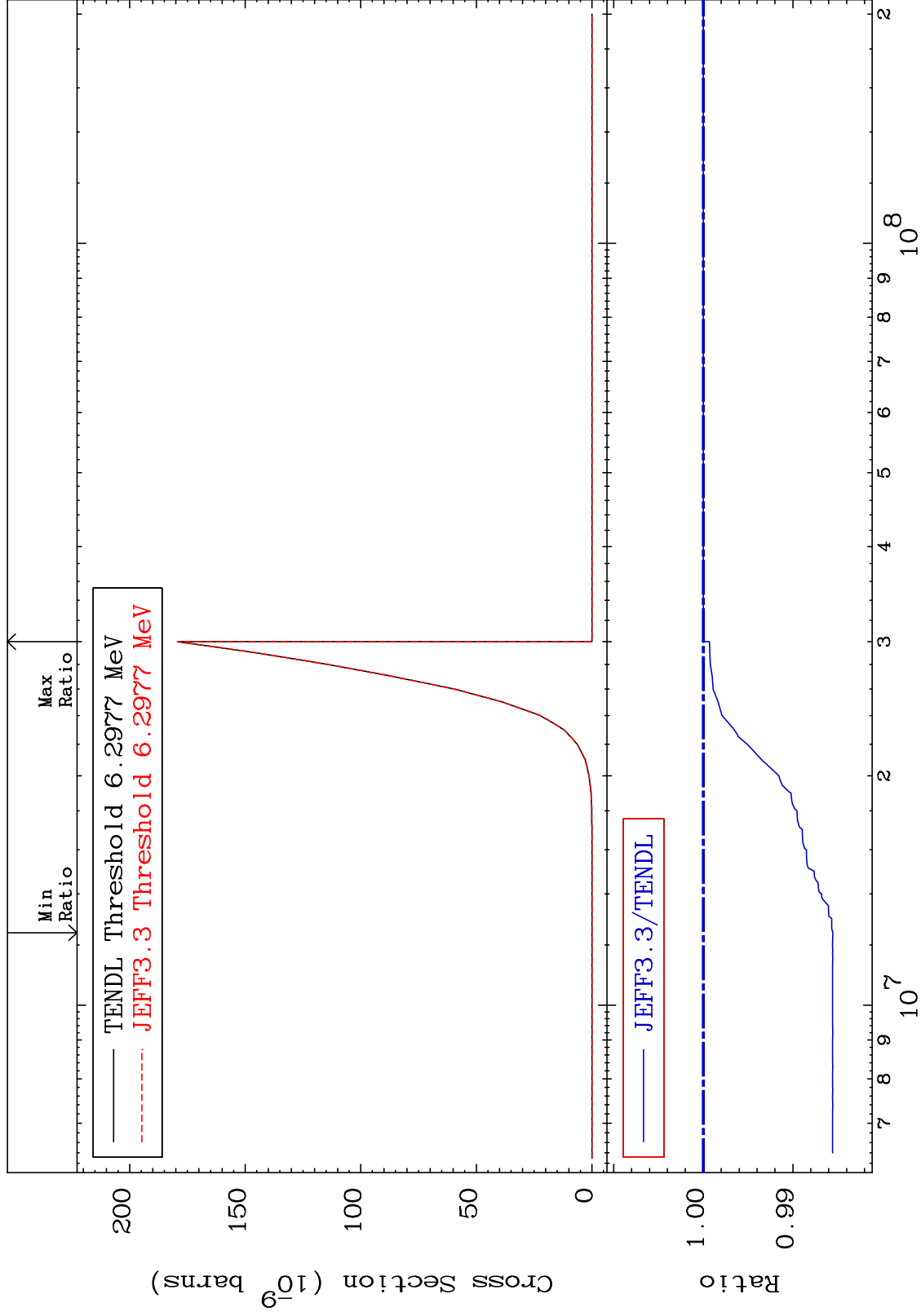
Incident Energy (eV)

84-Po-209

MAT 8434

84-Po-209

(n,p) d:82-Pb-207g  
Radionuclide Production Cross Section -1.444 To 0.000 %



90

Incident Energy (eV)

84-Po-209

MAT 8434

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

84-Po-209

Radionuclide Production Cross Section -0.438 To 0.002 %

