

Program Complot  
(Version 2021-1)

by

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(Present Contact Information)

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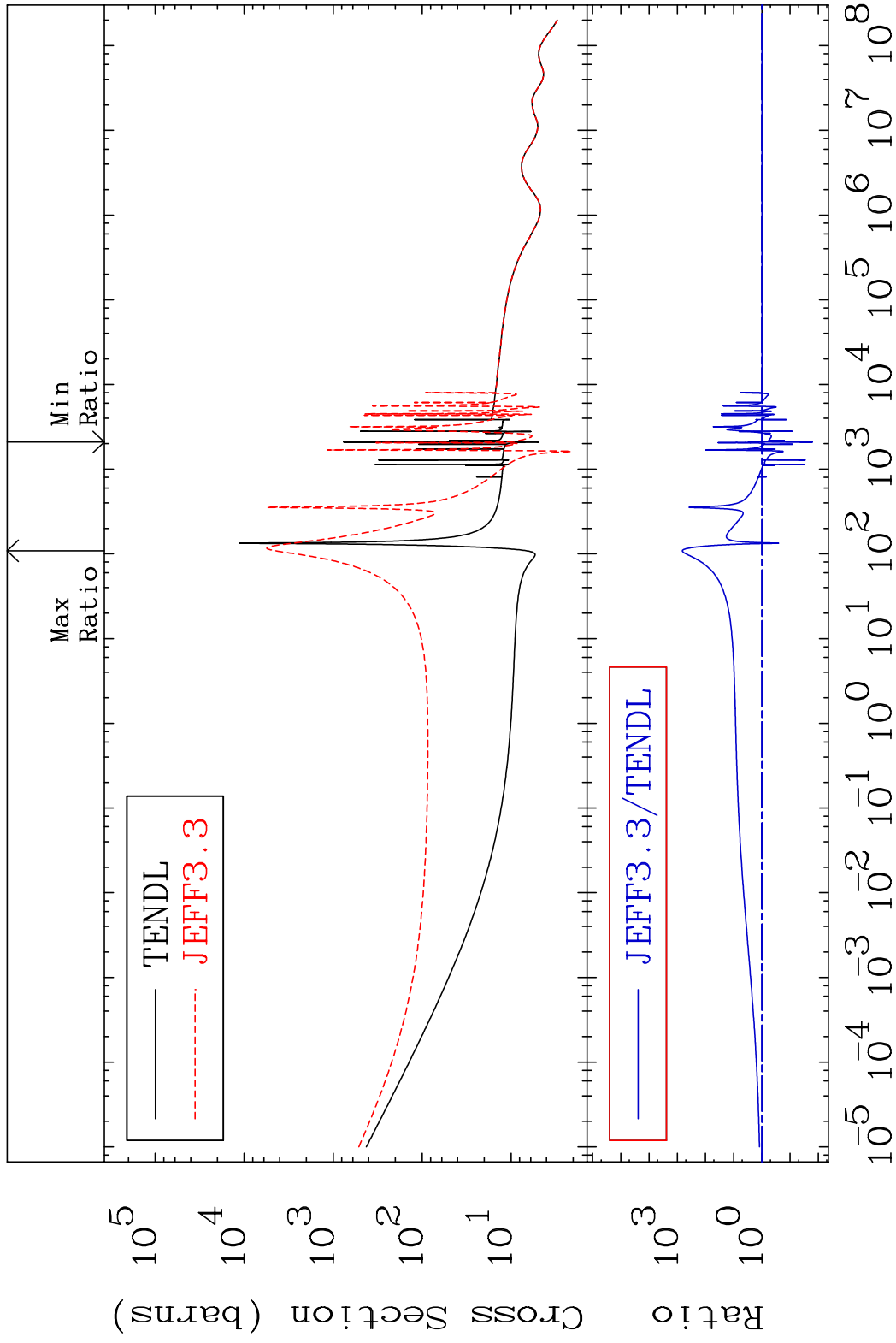
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E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 8434

Total Cross Section -98.40 To 9999. %  
84-Po-209



1

Incident Energy (eV)

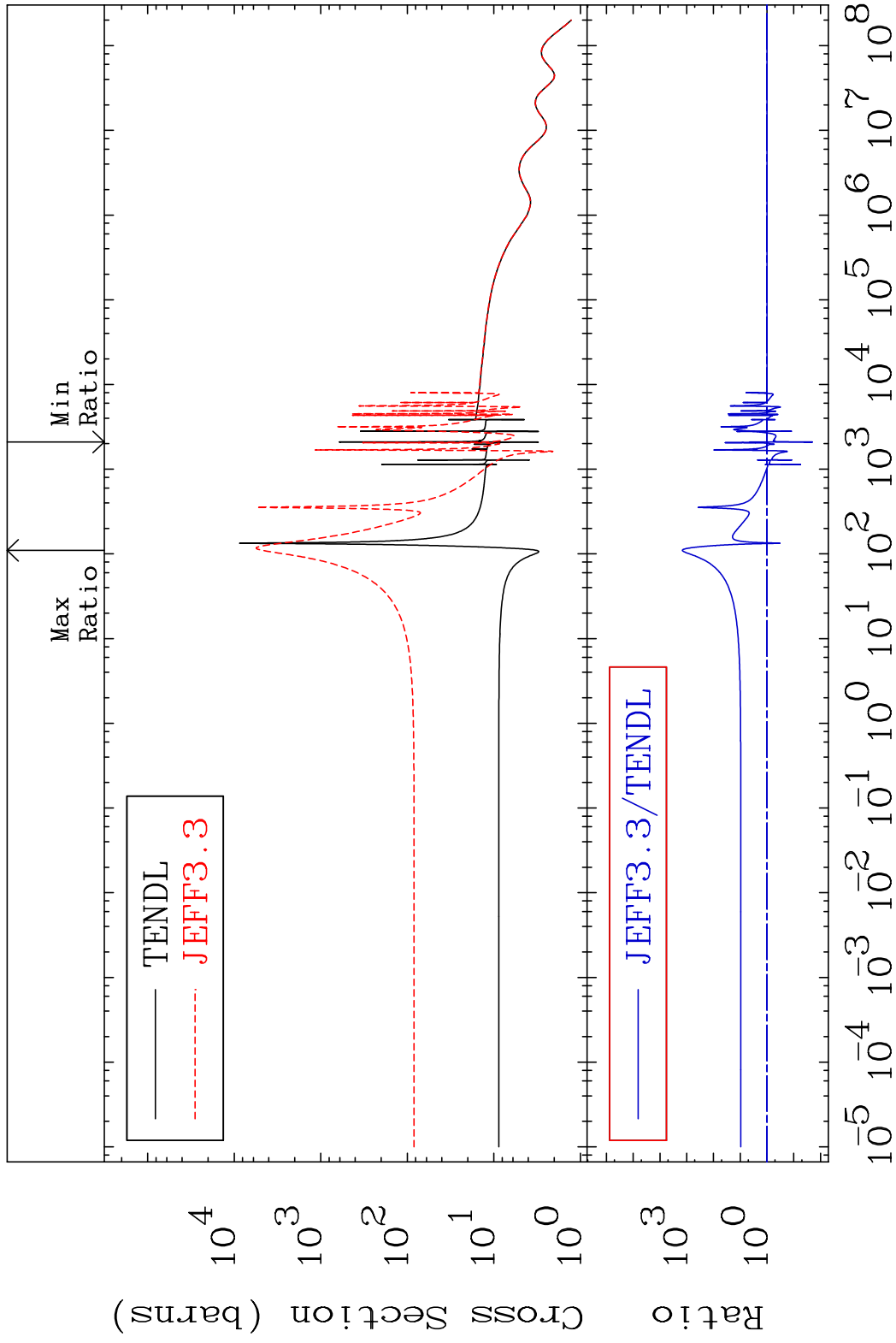
84-Po-209

MAT 8434

Elastic

84-Po-209

Cross Section -98.02 To 9999. %



2

Incident Energy (eV)

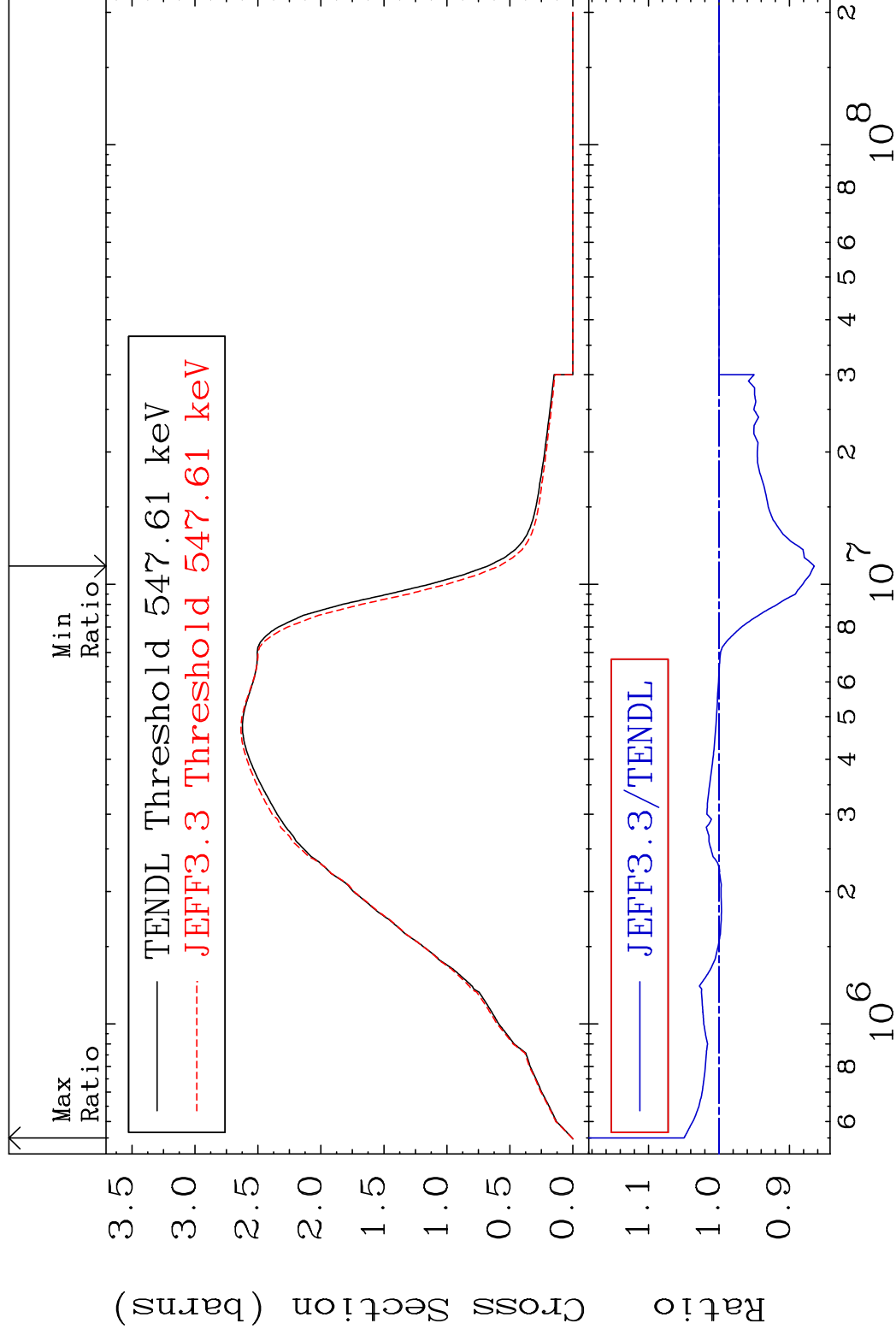
84-Po-209

MAT 8434

Inelastic

84-Po-209

Cross Section -13.51 To 4.947 %



3

Incident Energy (eV)

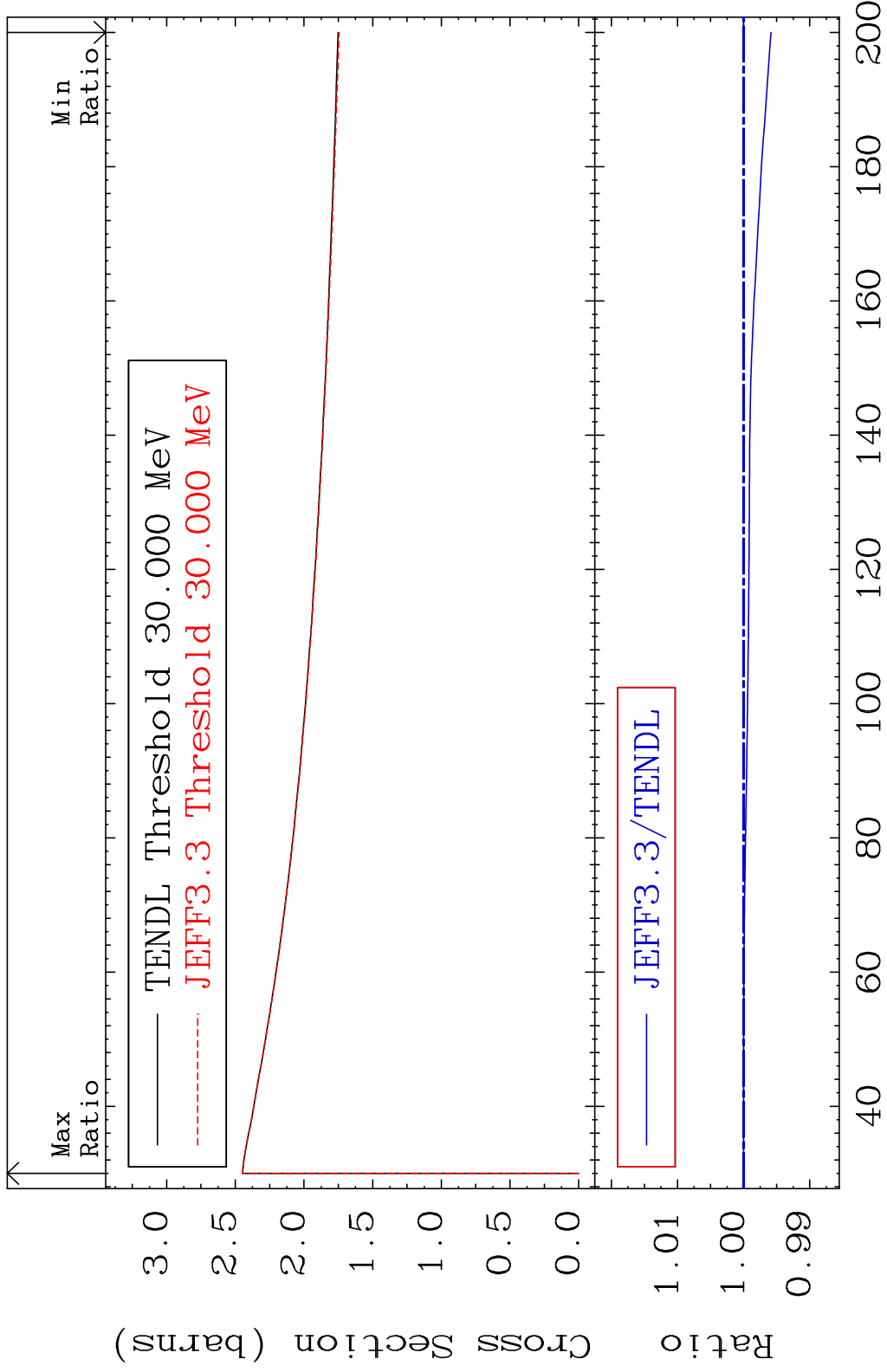
84-Po-209

MAT 8434

(n, remainder)

84-Po-209

Cross Section -0.415 To 0.000 %

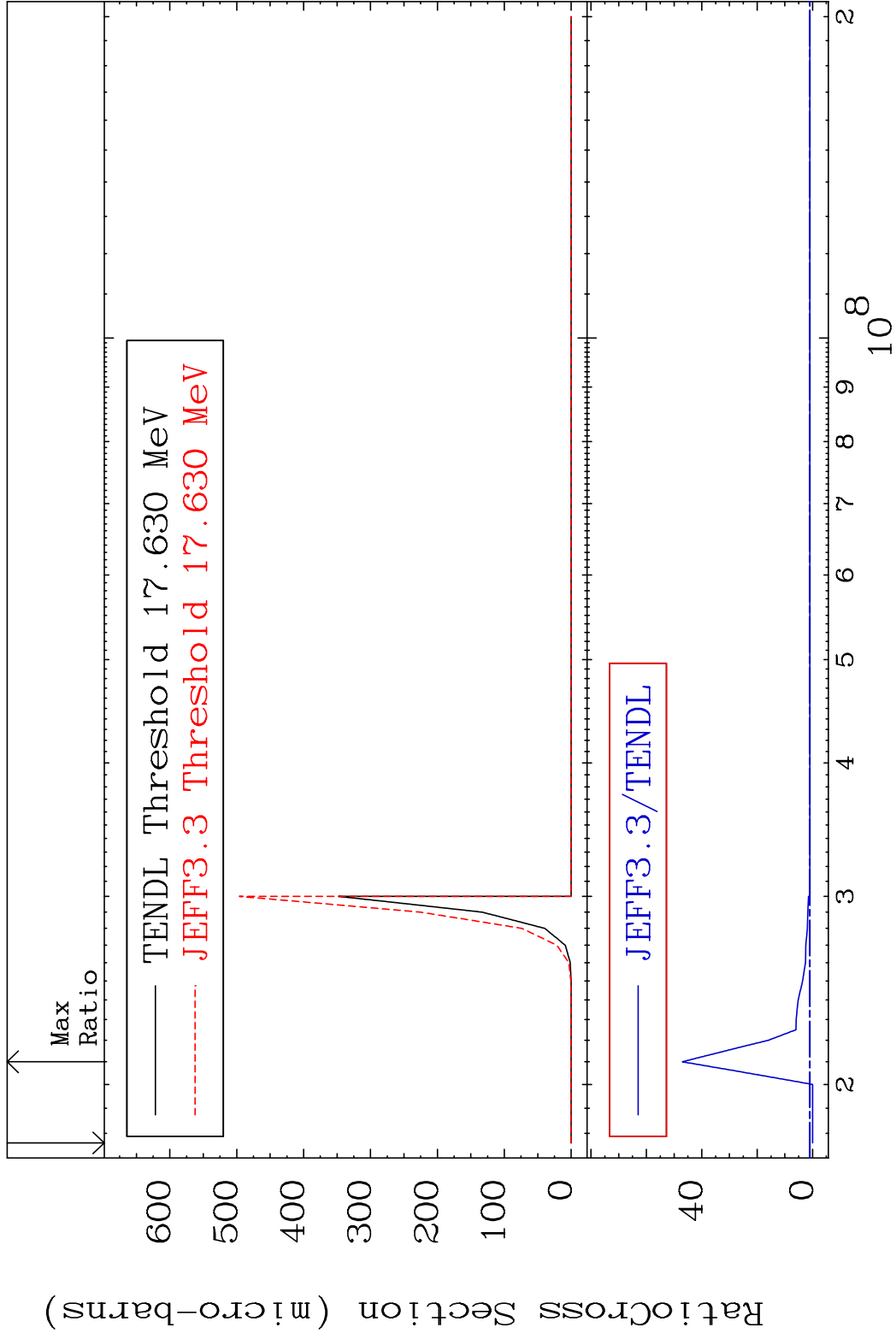


MAT 8434

(n,2n) d

84-Po-209

Cross Section -100.0 To 4602. %

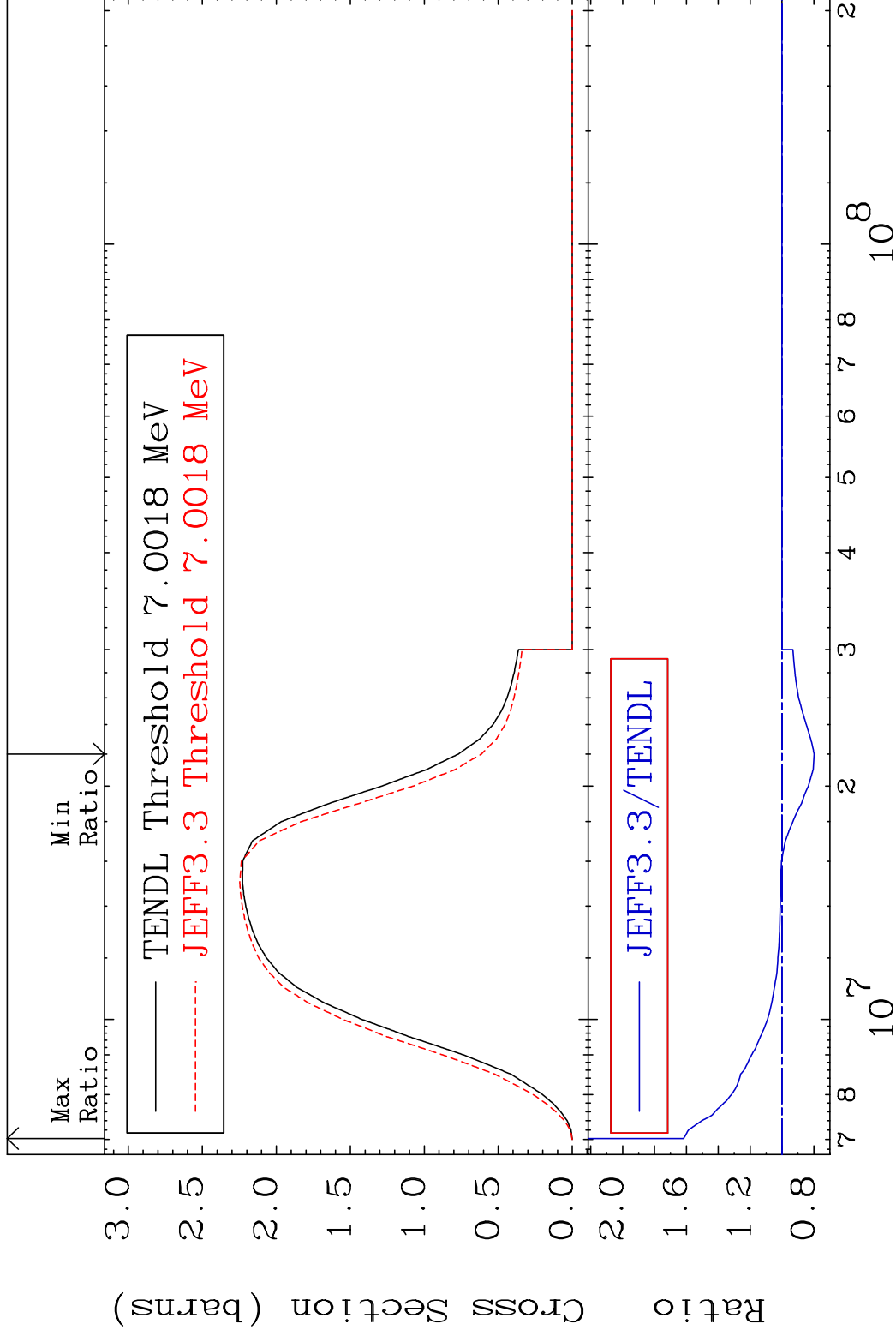


MAT 8434

(n,2n)

84-Po-209

Cross Section -20.15 To 61.71 %



6

Incident Energy (eV)

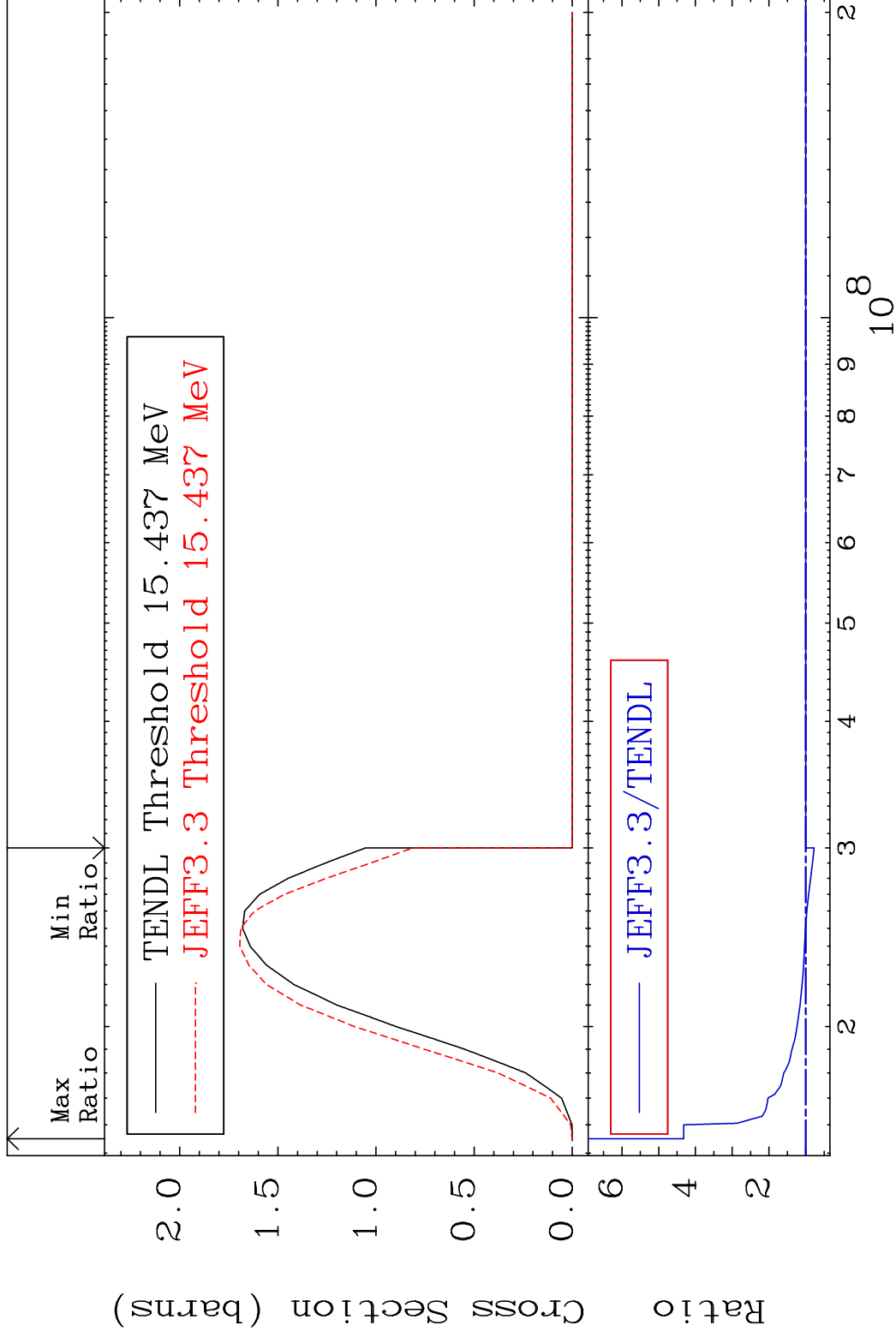
84-Po-209

MAT 8434

(n,3n)

84-Po-209

Cross Section -22.82 To 332.1 %



7

Incident Energy (eV)

84-Po-209

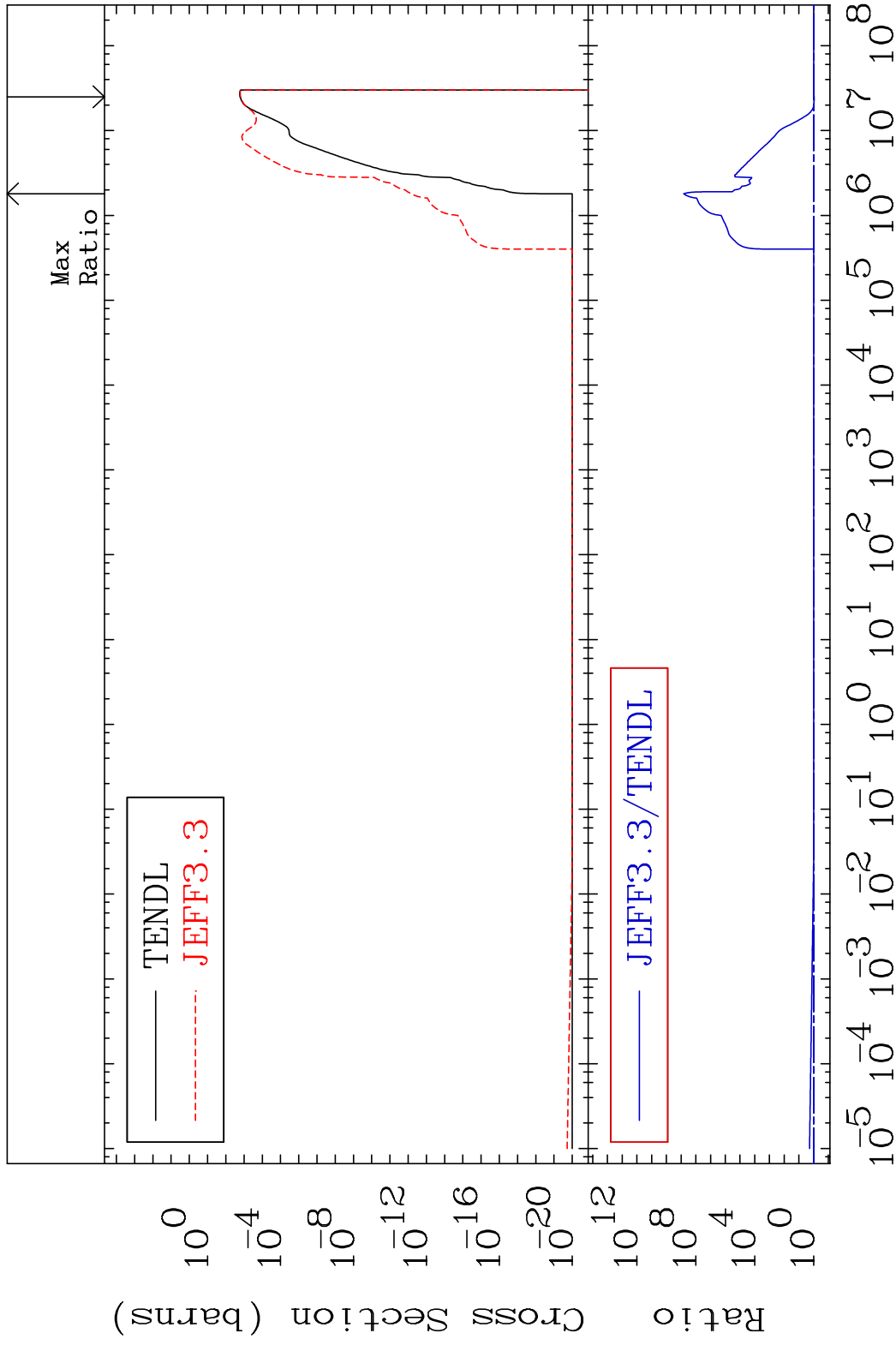


MAT 8434

(n, n')  $\alpha$

84-Po-209

Cross Section -6.558 To 9999. %



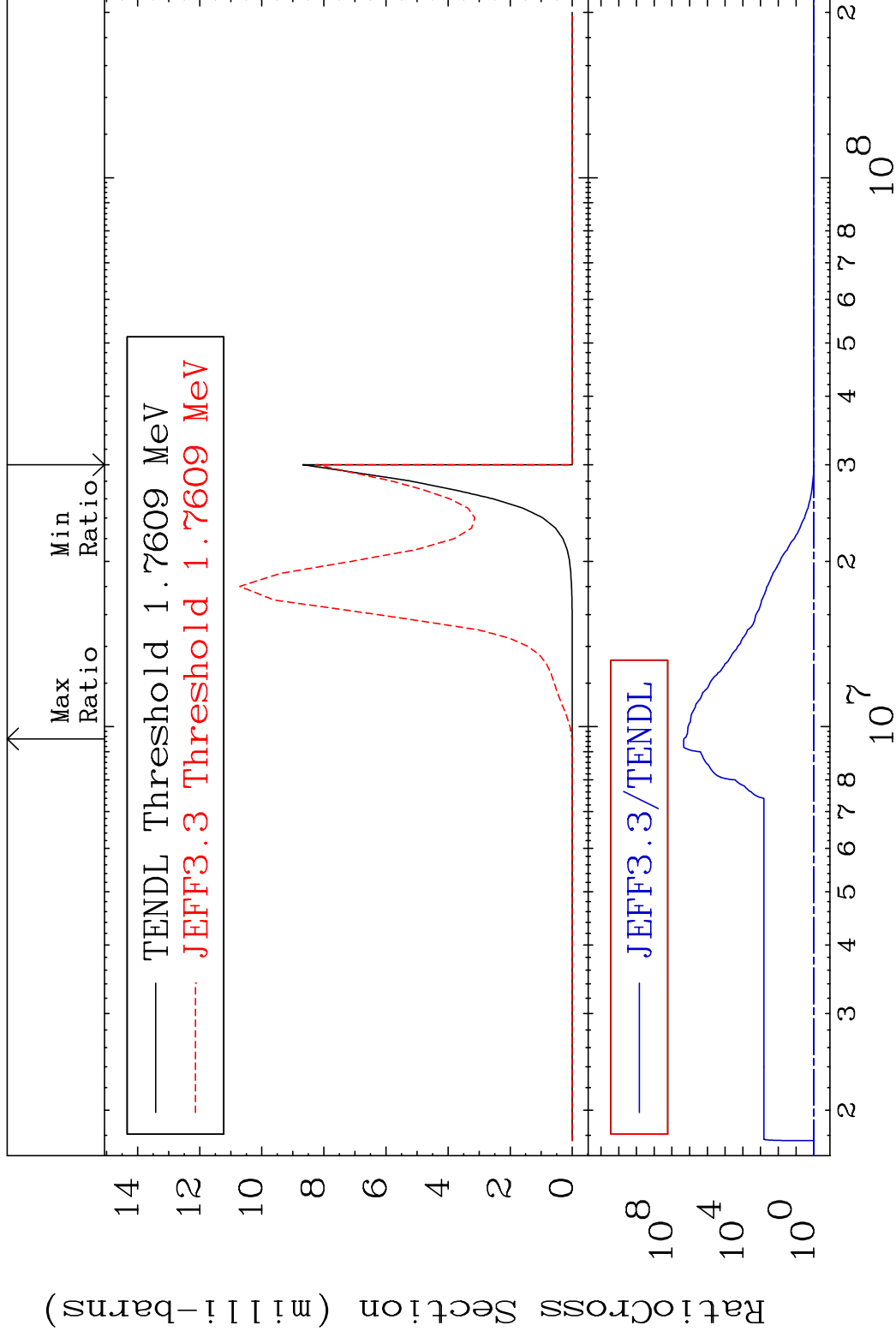
8

Incident Energy (eV)

84-Po-209

MAT 8434

(n,2n)  $\alpha$  84-Po-209  
Cross Section -4.854 To 9999. %

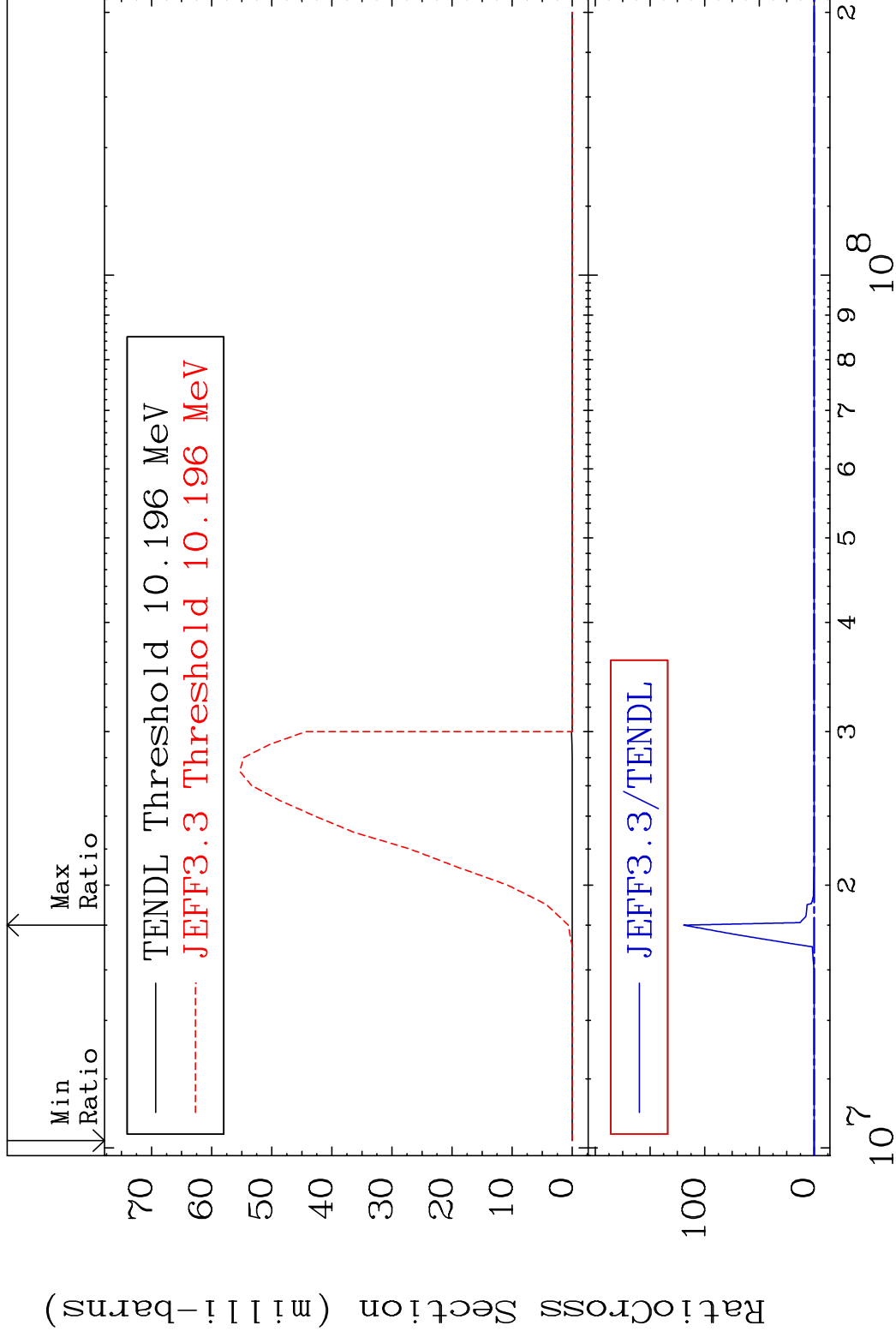


MAT 8434

(n,3n)  $\alpha$

84-Po-209

Cross Section -100.0 To 9999. %



10

Incident Energy (eV)

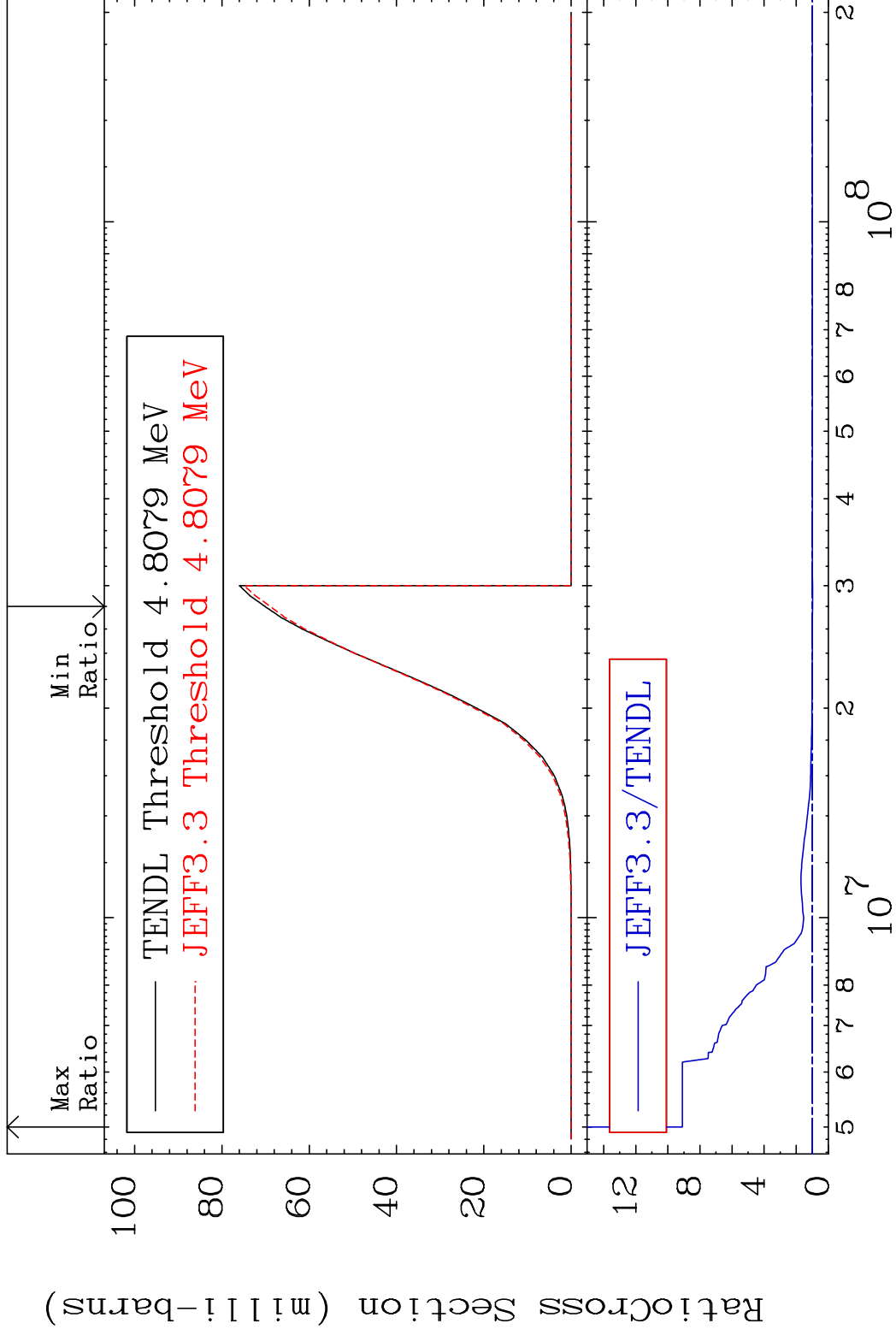
84-Po-209

MAT 8434

(n, n') p

84-Po-209

Cross Section -1.750 To 809.8 %



11

Incident Energy (eV)

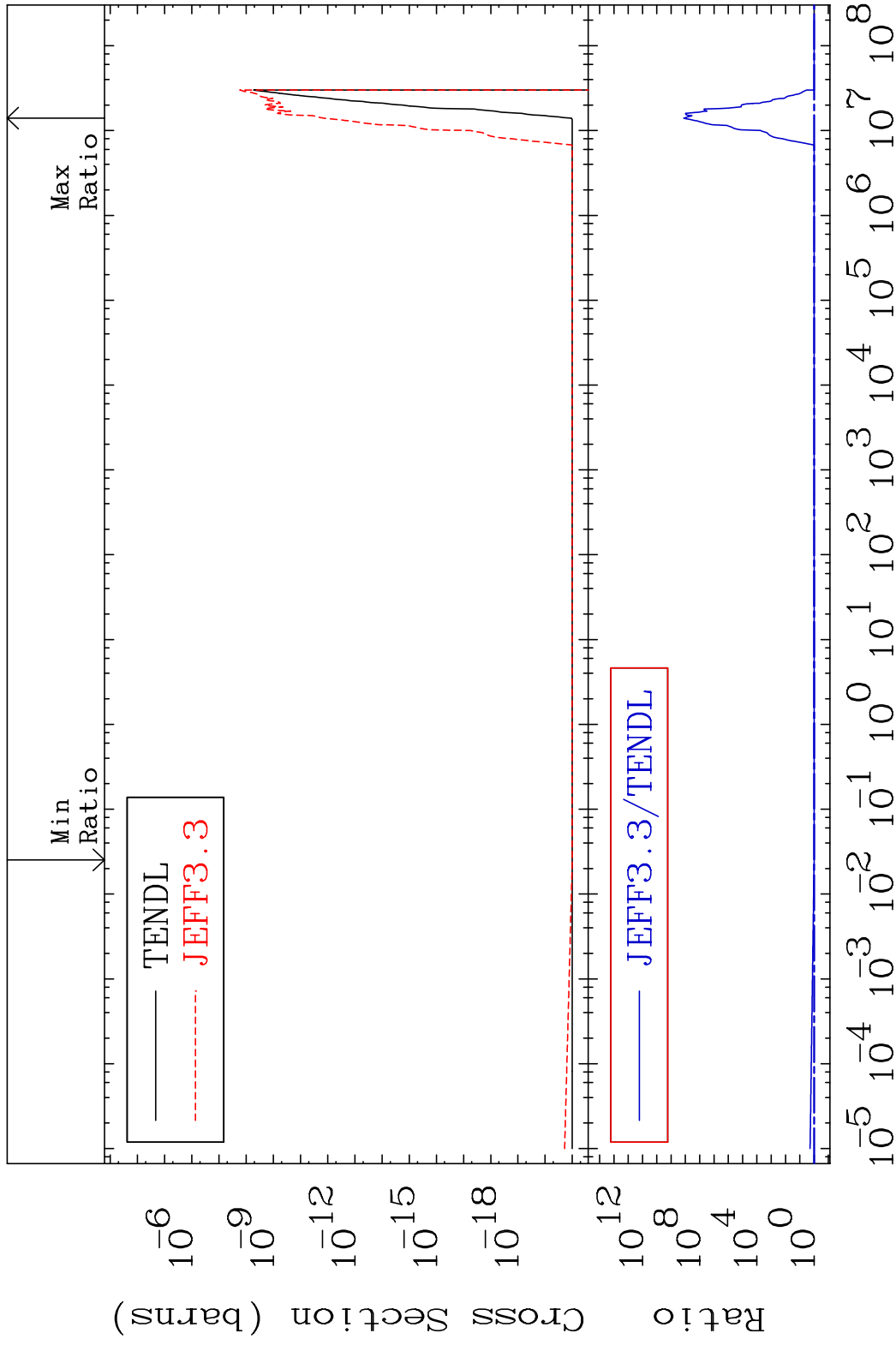
84-Po-209

MAT 8434

(n, n') 2α

84-Po-209

Cross Section 0.000 To 9999. %



12

Incident Energy (eV)

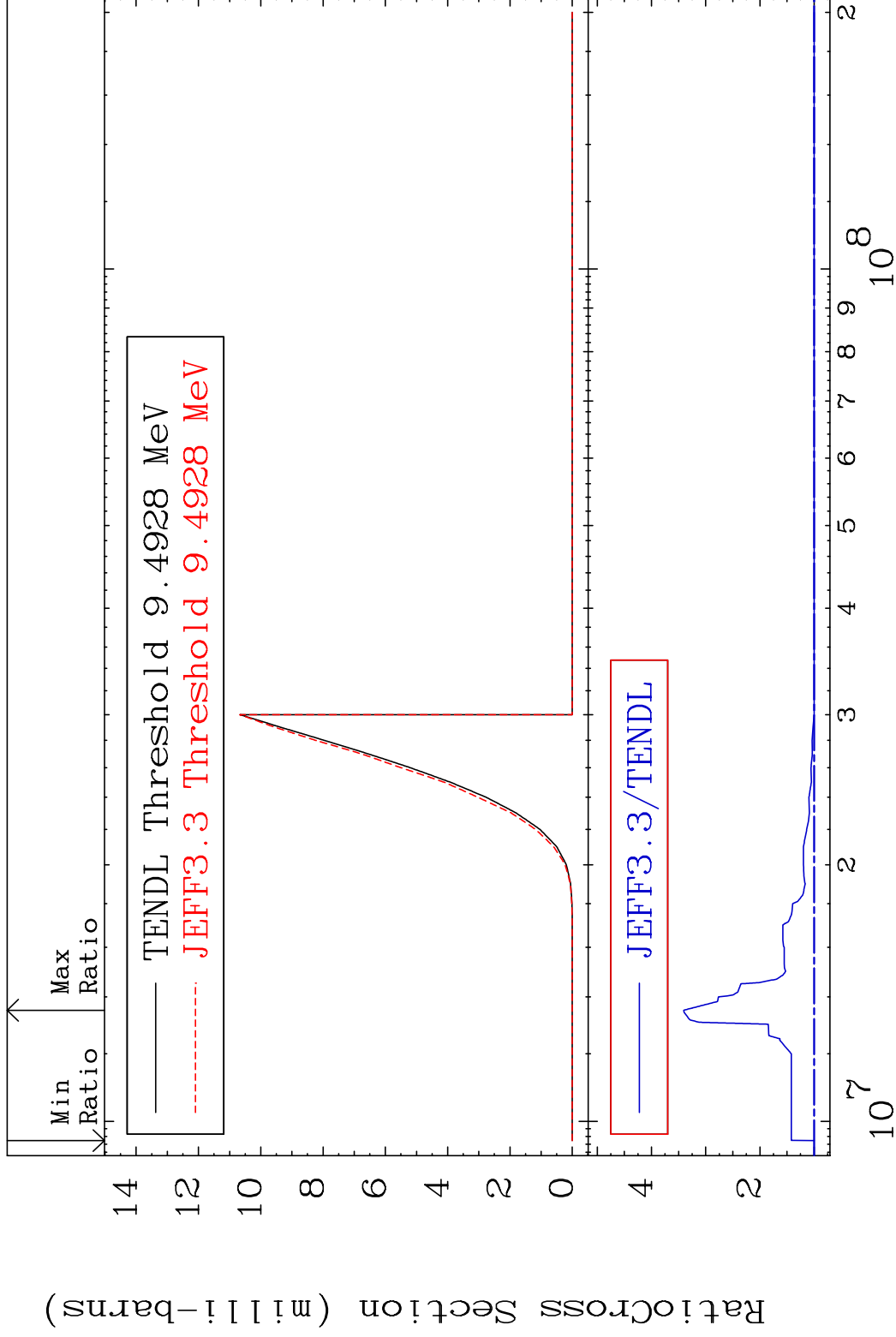
84-Po-209

MAT 8434

(n, n') d

84-Po-209

Cross Section 0.000 To 240.7 %



13

Incident Energy (eV)

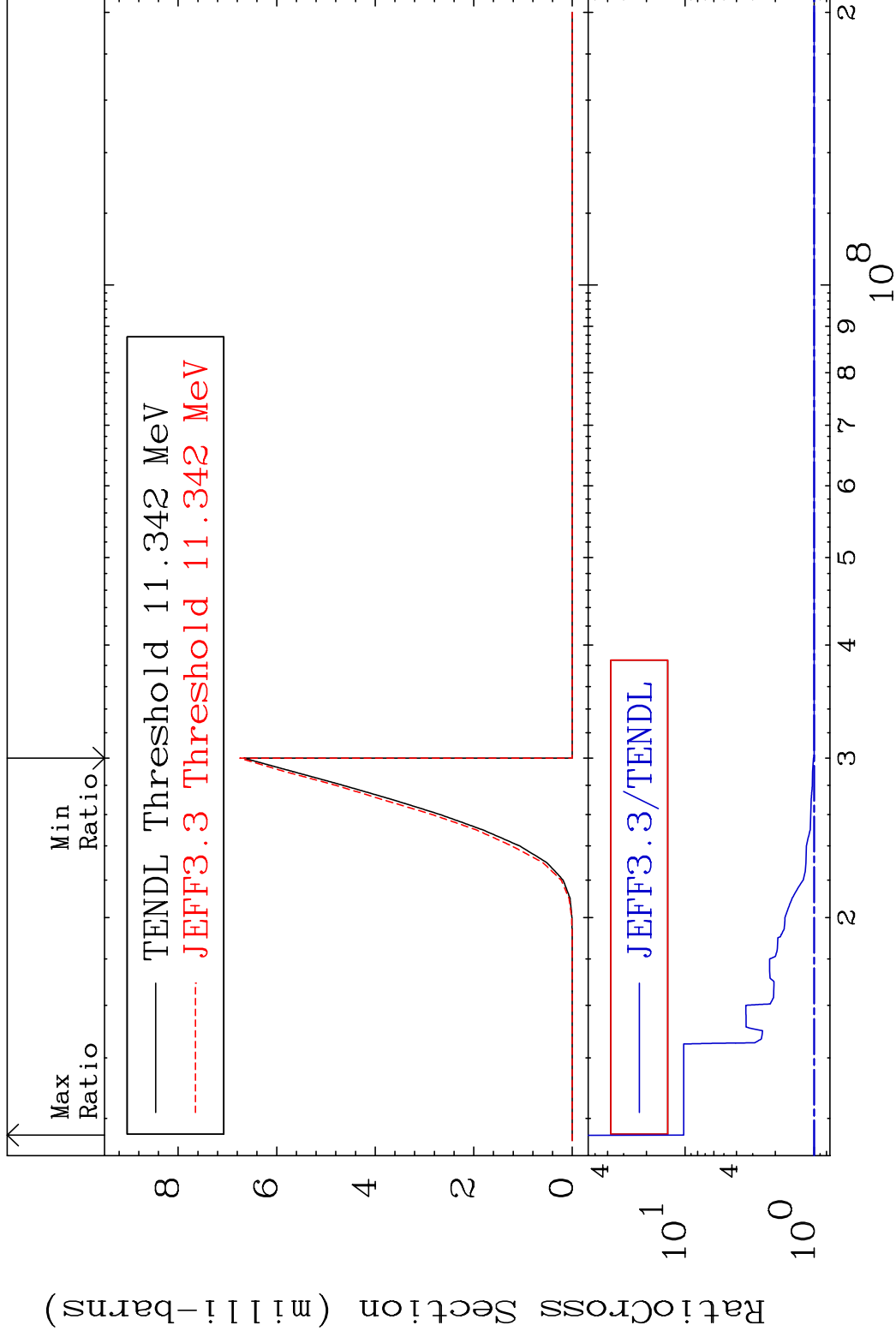
84-Po-209

MAT 8434

(n, n') t

84-Po-209

Cross Section 0.000 To 927.4 %



14

Incident Energy (eV)

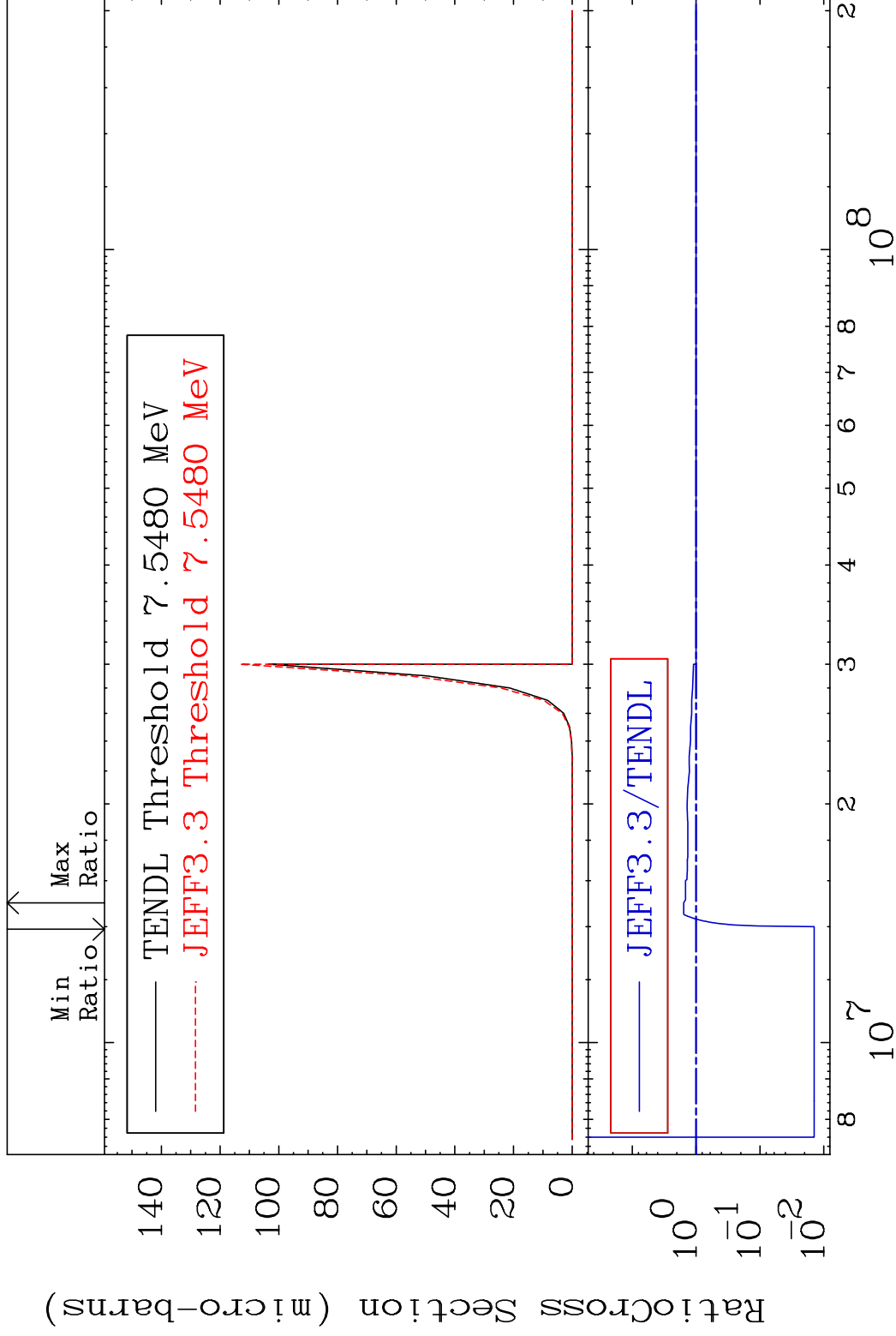
84-Po-209

MAT 8434

(n,n') He-3

84-Po-209

Cross Section -98.58 To 56.40 %



15

Incident Energy (eV)

84-Po-209

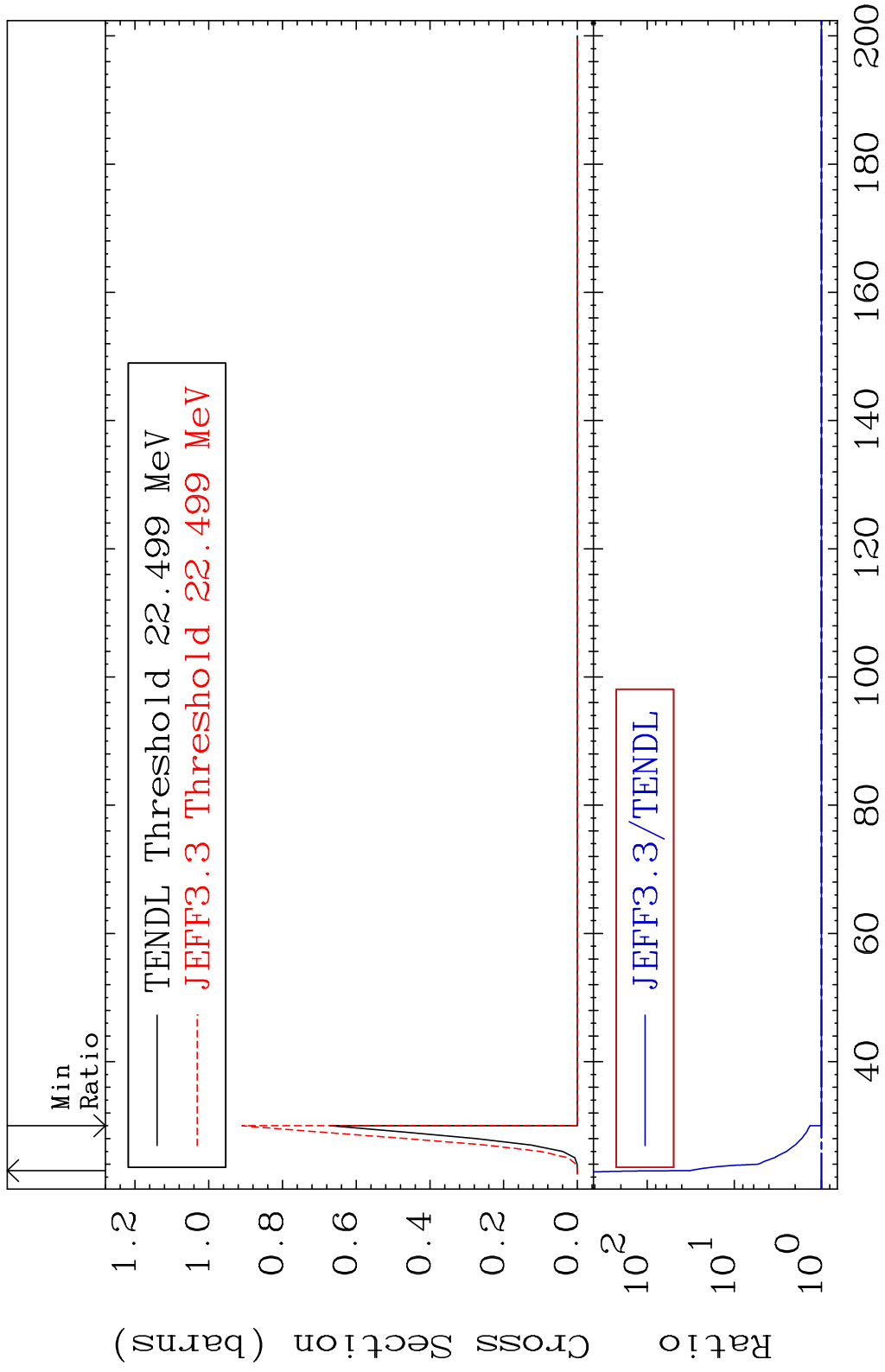


MAT 8434

(n,4n)

84-Po-209

Cross Section 0.000 To 3144. %

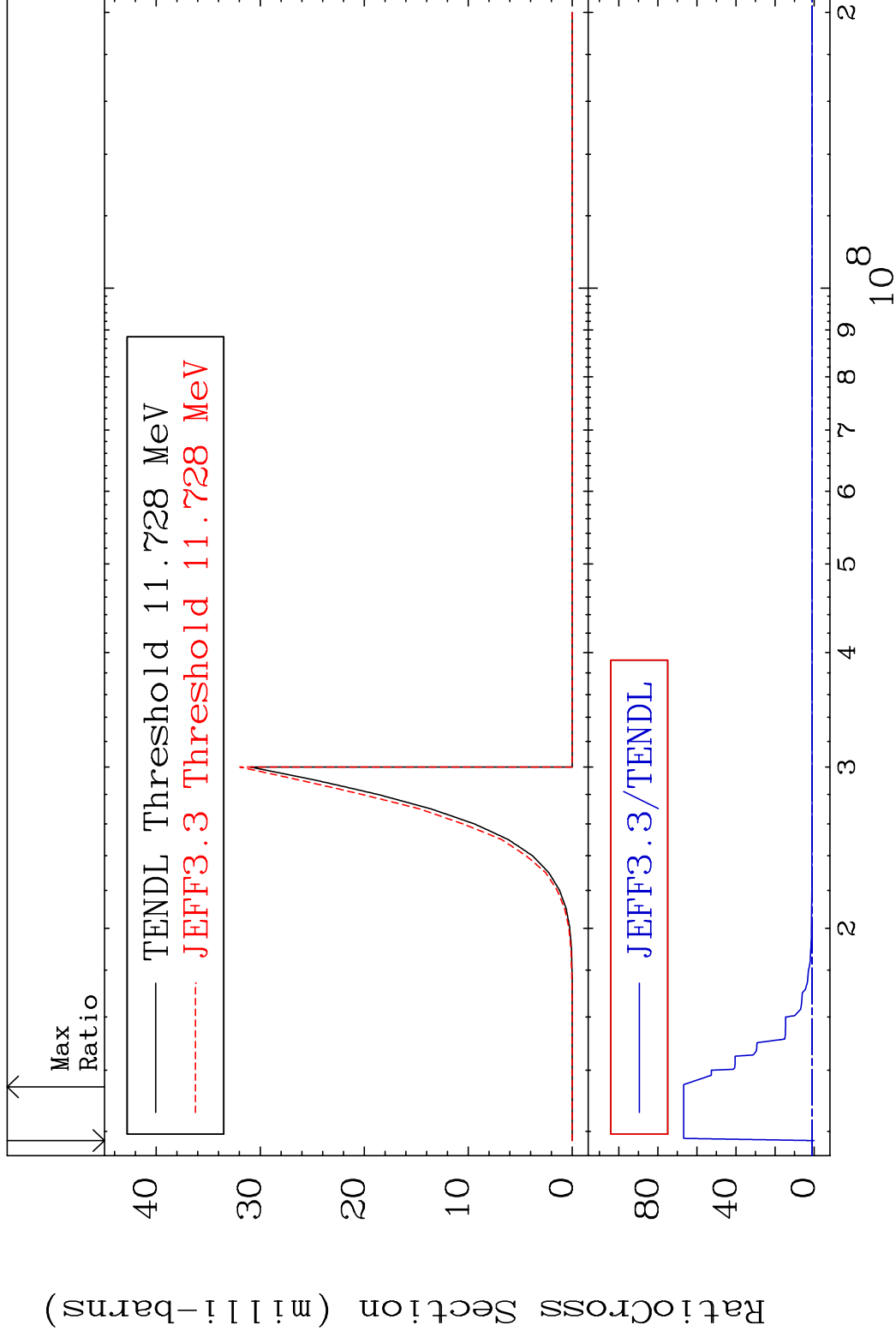


MAT 8434

(n,2n) p

84-Po-209

Cross Section -100.0 To 6580. %



17

Incident Energy (eV)

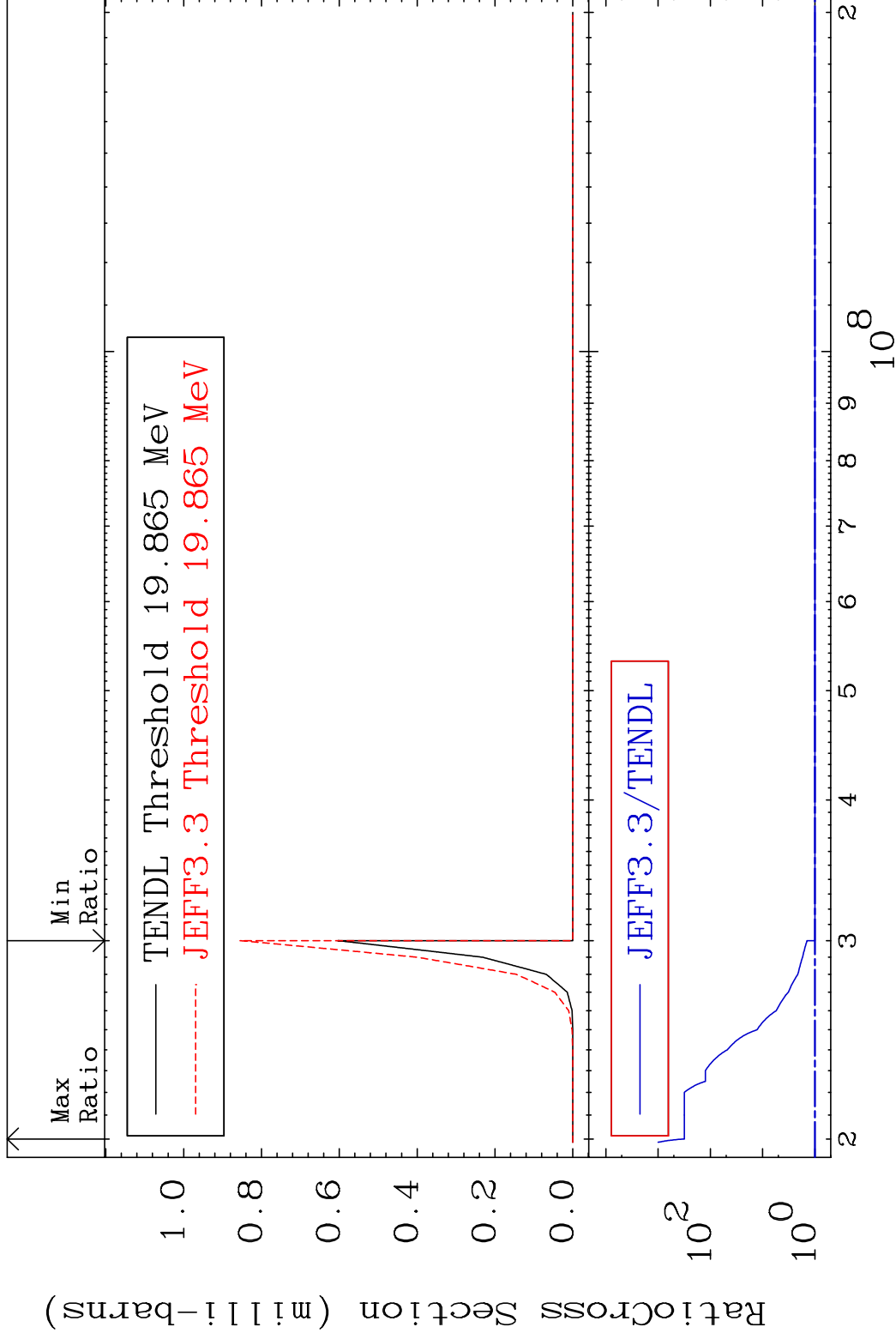
84-Po-209

MAT 8434

(n,3n) p

84-Po-209

Cross Section 0.000 To 9999. %



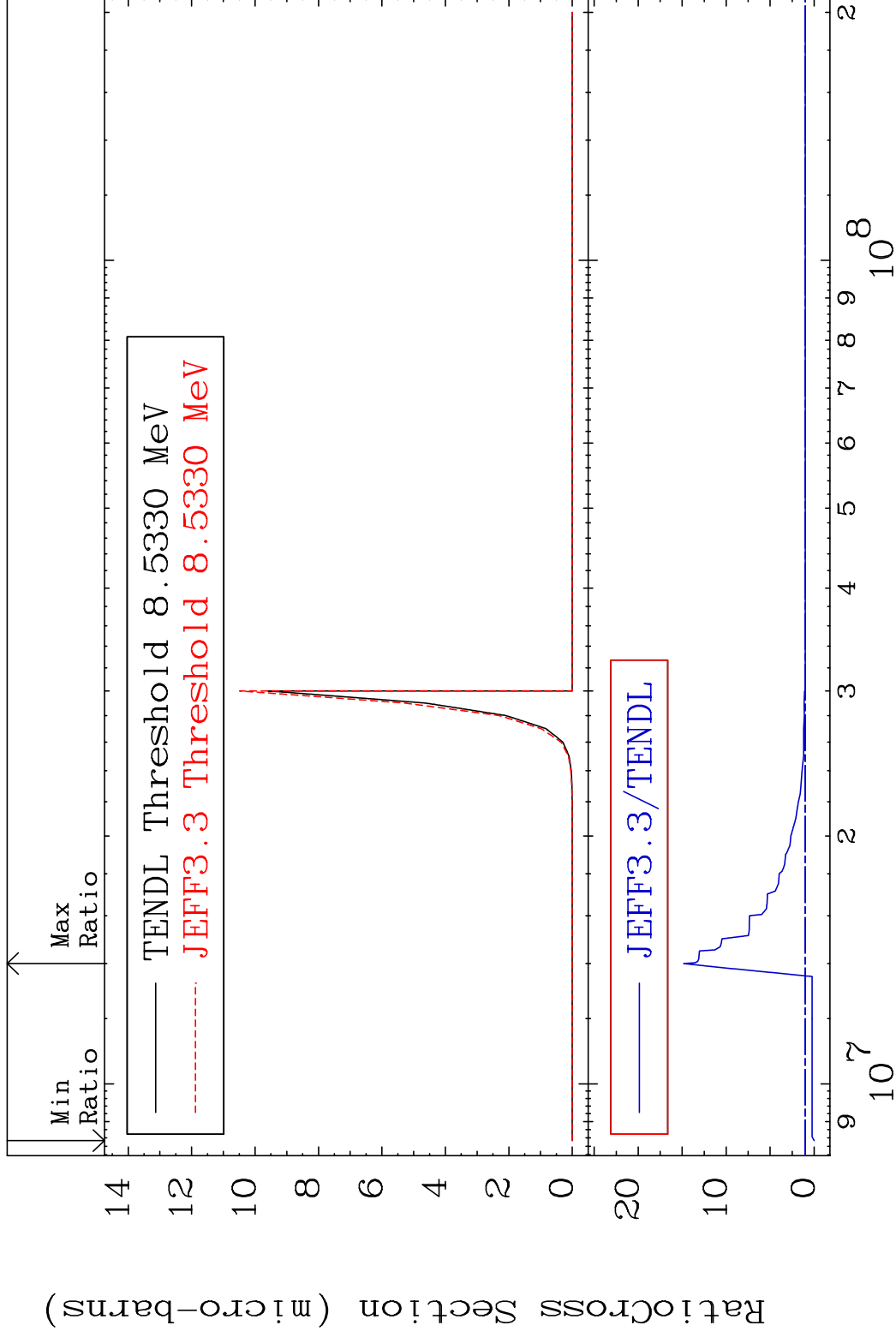
18

Incident Energy (eV)

84-Po-209

MAT 8434

(n,2n) p 84-Po-209  
Cross Section -100.0 To 1383. %



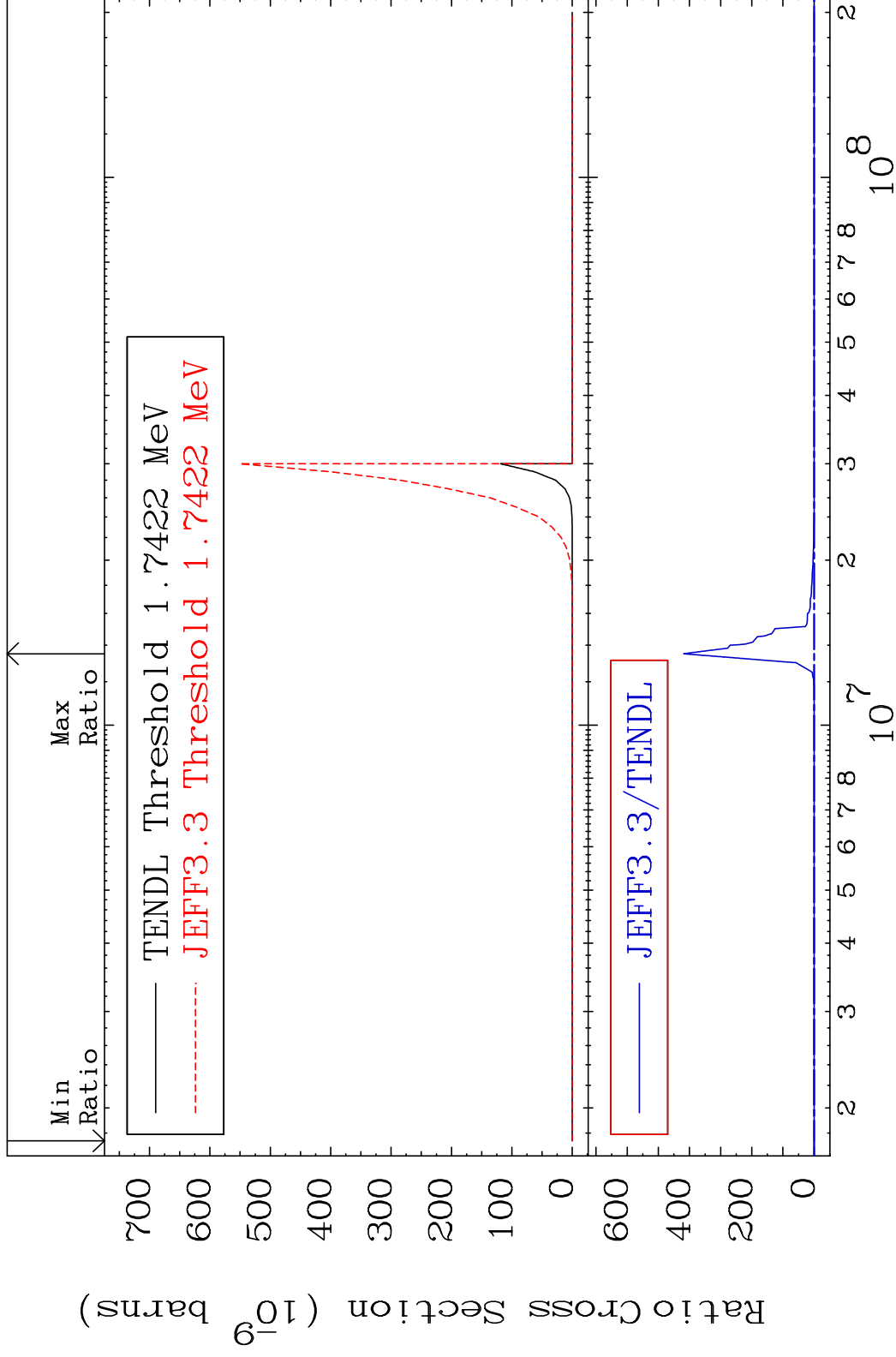
19

Incident Energy (eV)

84-Po-209

MAT 8434

(n,n') p  $\alpha$  84-Po-209  
Cross Section -100.0 To 9999. %

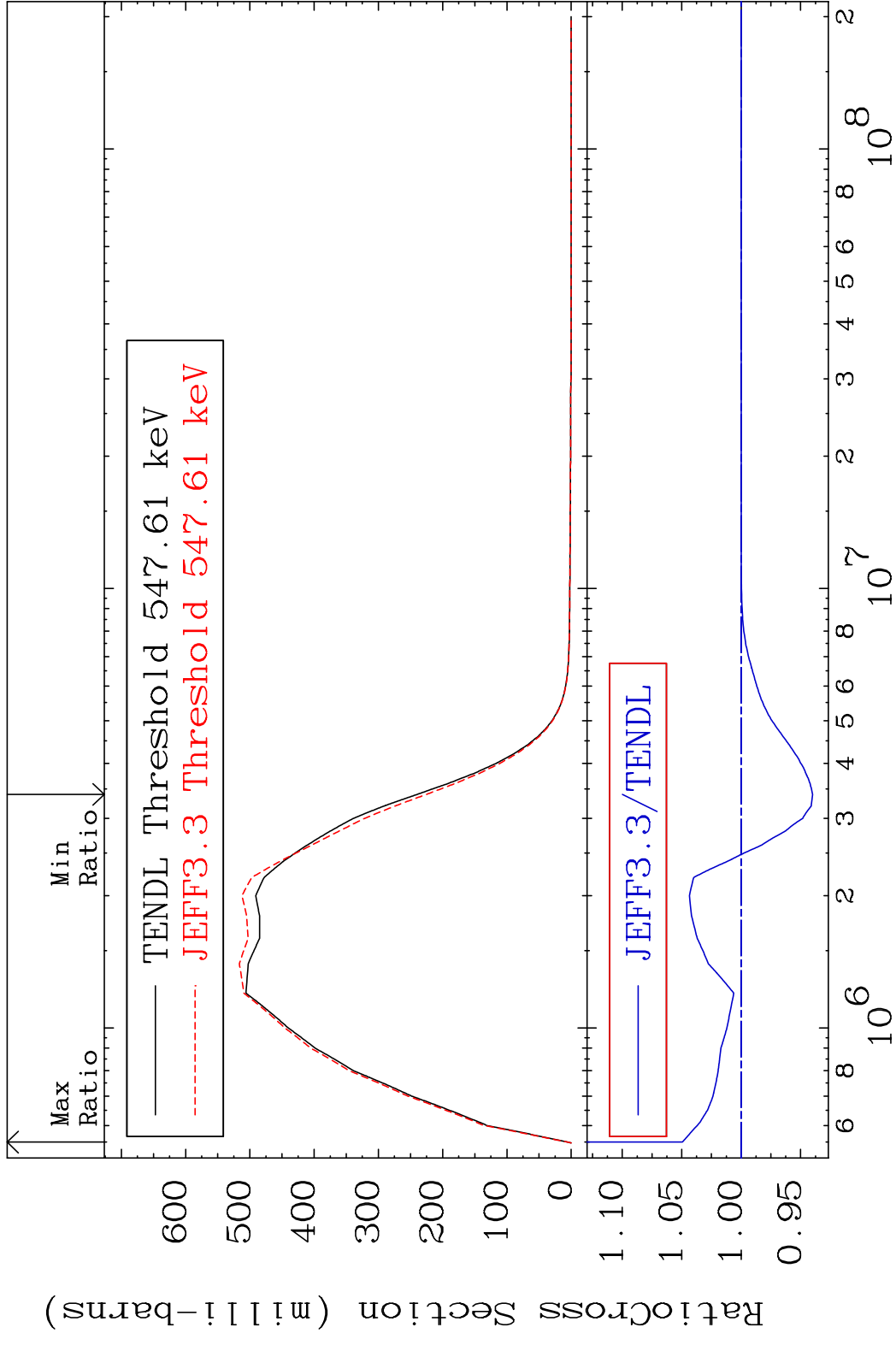


20

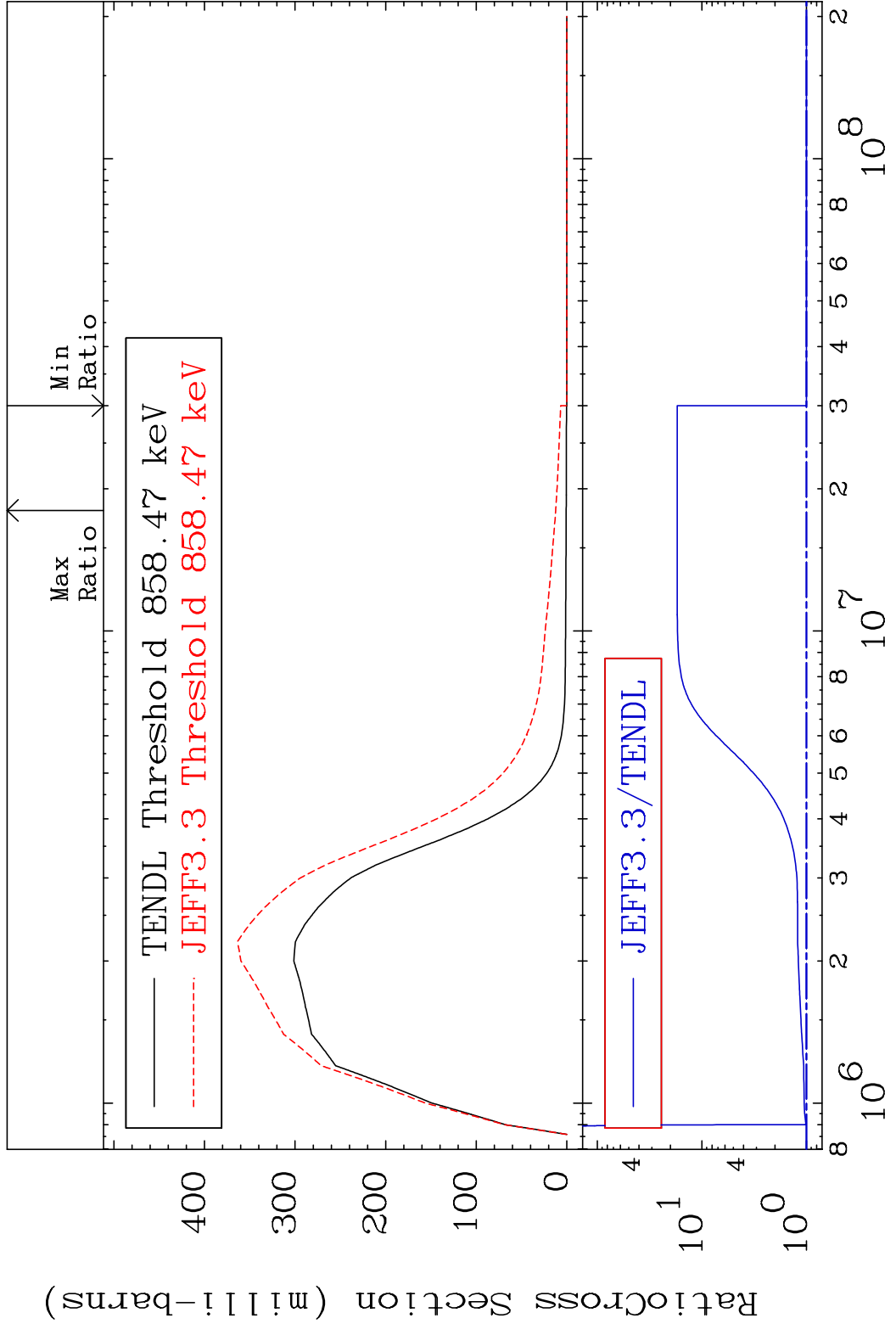
Incident Energy (eV)

84-Po-209

MAT 8434 MT= 51 (n,n') Level 84-Po-209  
 Cross Section -6.003 To 4.947 %



MAT 8434 MT= 52 (n, n') Level 84-Po-209  
 Cross Section 0.000 To 1620. %

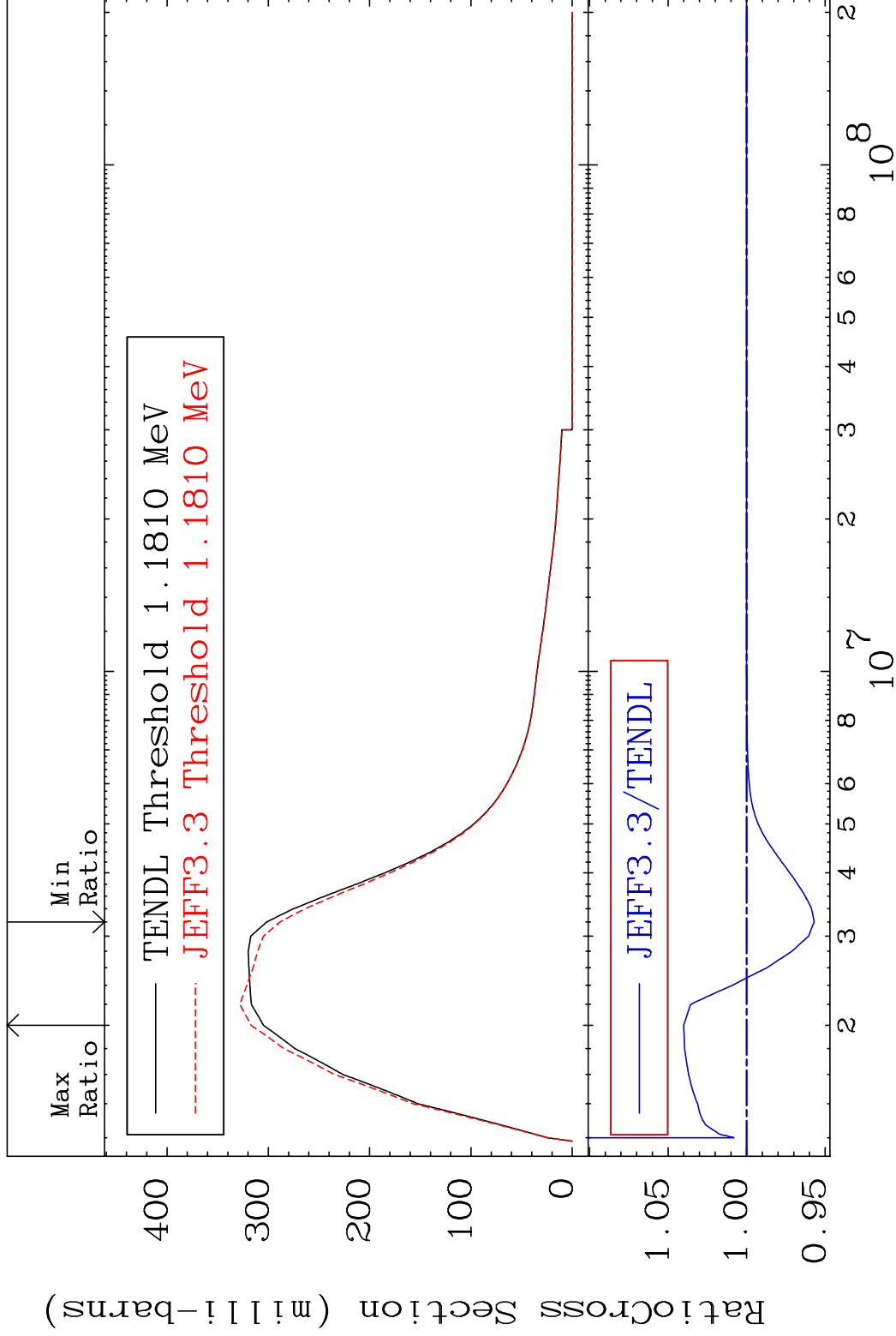


MAT 8434

MT= 53 (n, n') Level

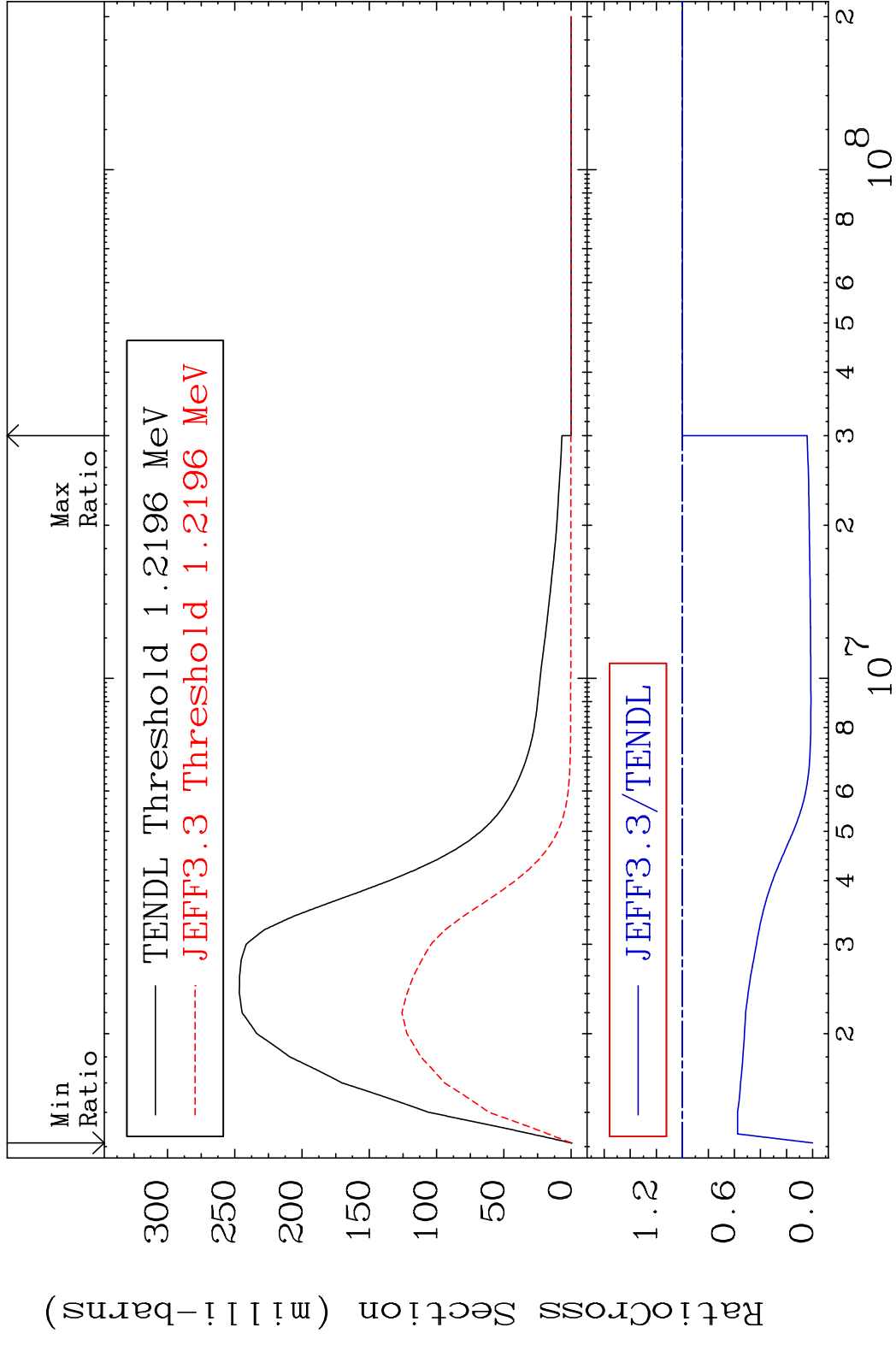
84-Po-209

Cross Section -4.296 To 4.008 %





MAT 8434 MT= 54 (n, n') Level 84-Po-209  
 Cross Section -100.0 To 0.000 %

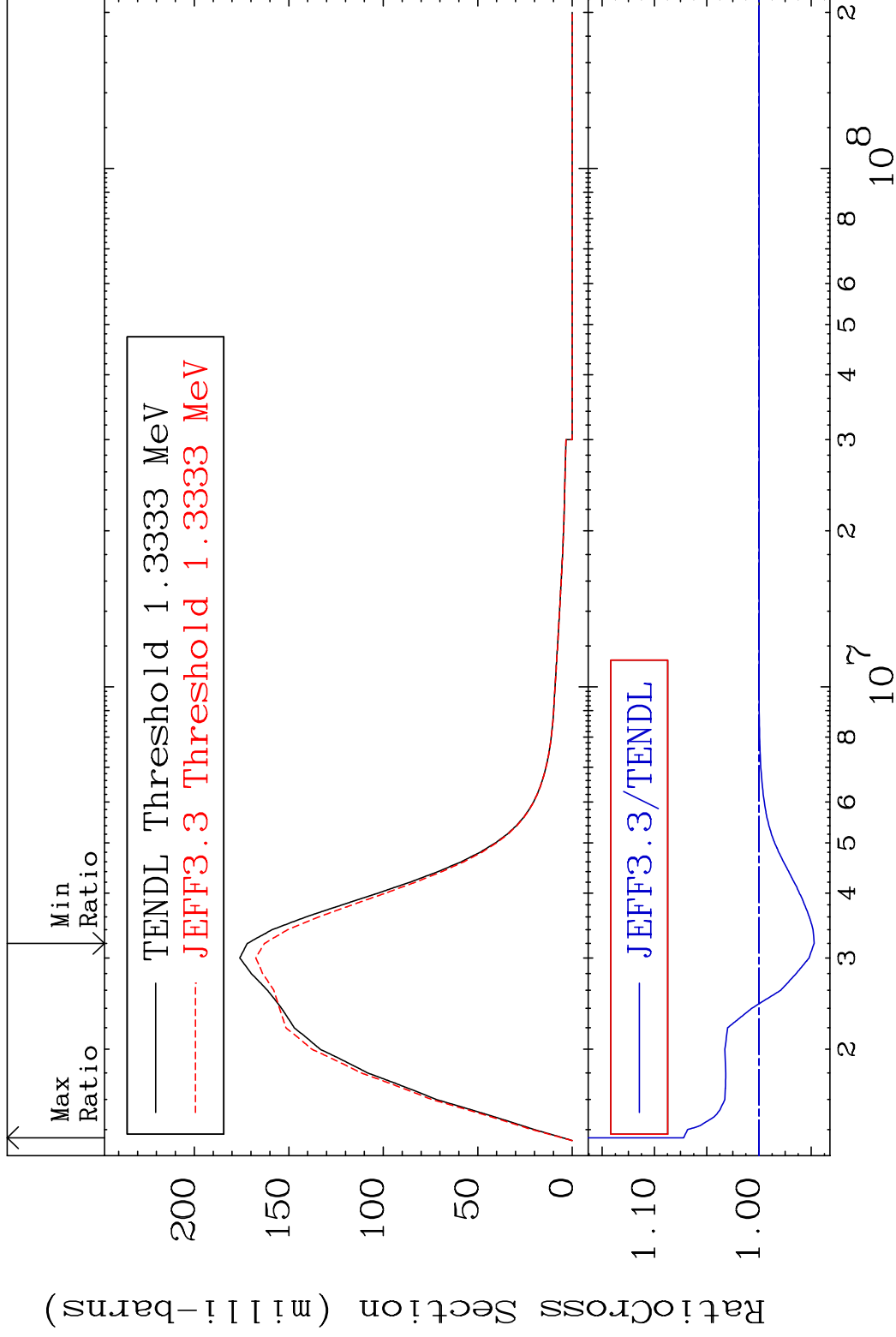


MAT 8434

MT= 55 (n, n') Level

84-Po-209

Cross Section -5.272 To 7.207 %



25

Incident Energy (eV)

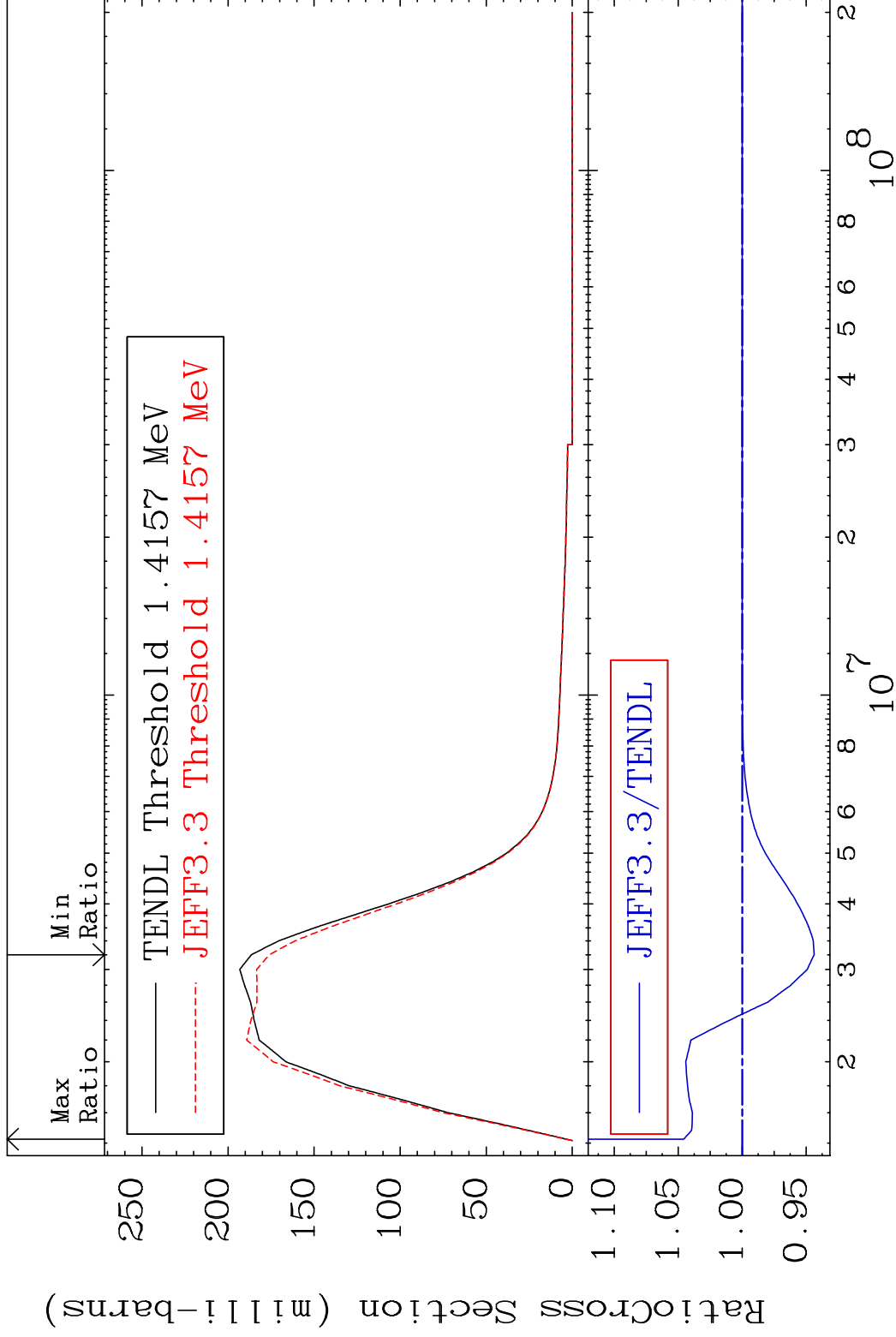
84-Po-209

MAT 8434

MT= 56 (n,n') Level

84-Po-209

Cross Section -5.620 To 4.577 %



26

Incident Energy (eV)

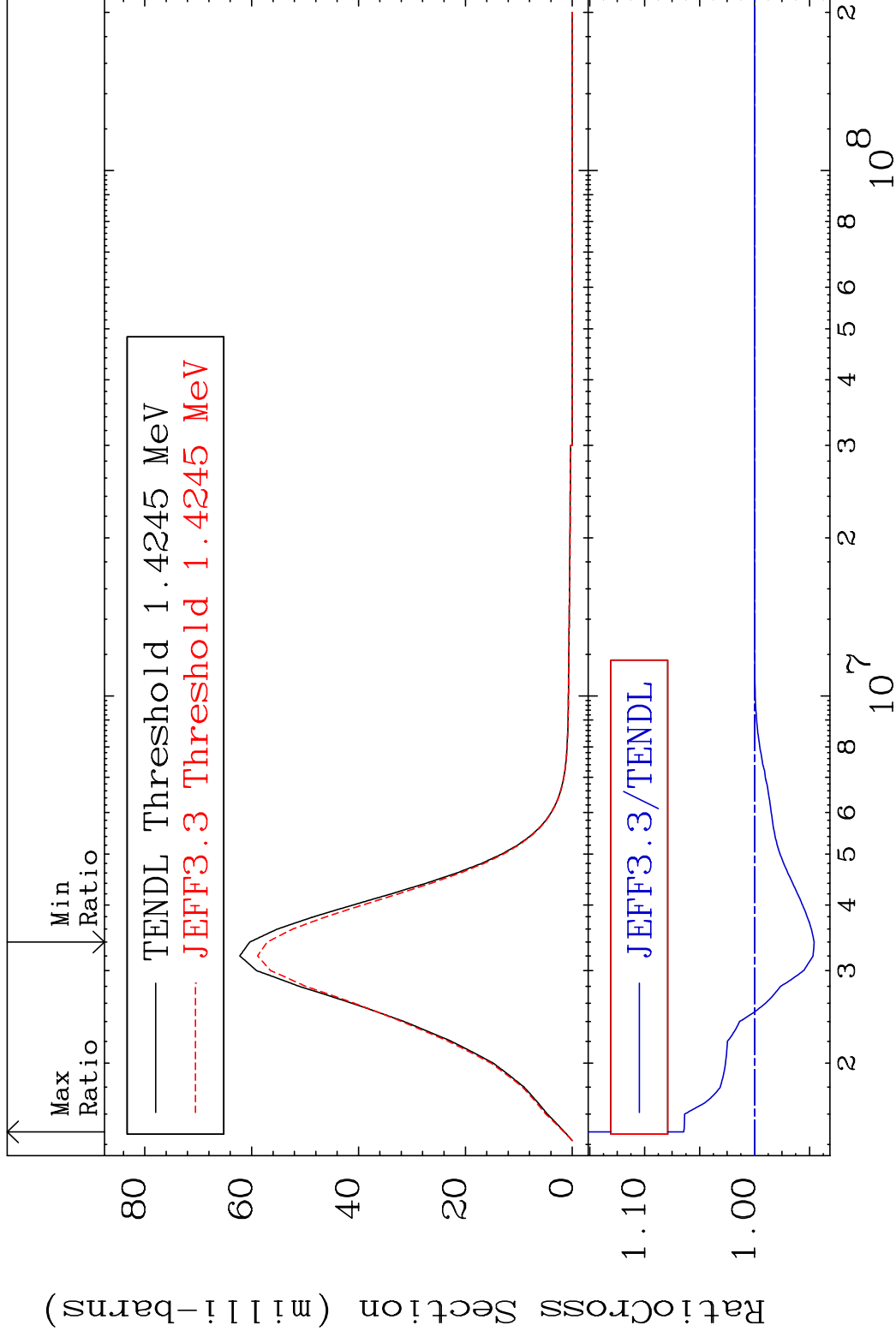
84-Po-209

MAT 8434

MT= 57 (n,n') Level

84-Po-209

Cross Section -5.421 To 6.451 %



27

Incident Energy (eV)

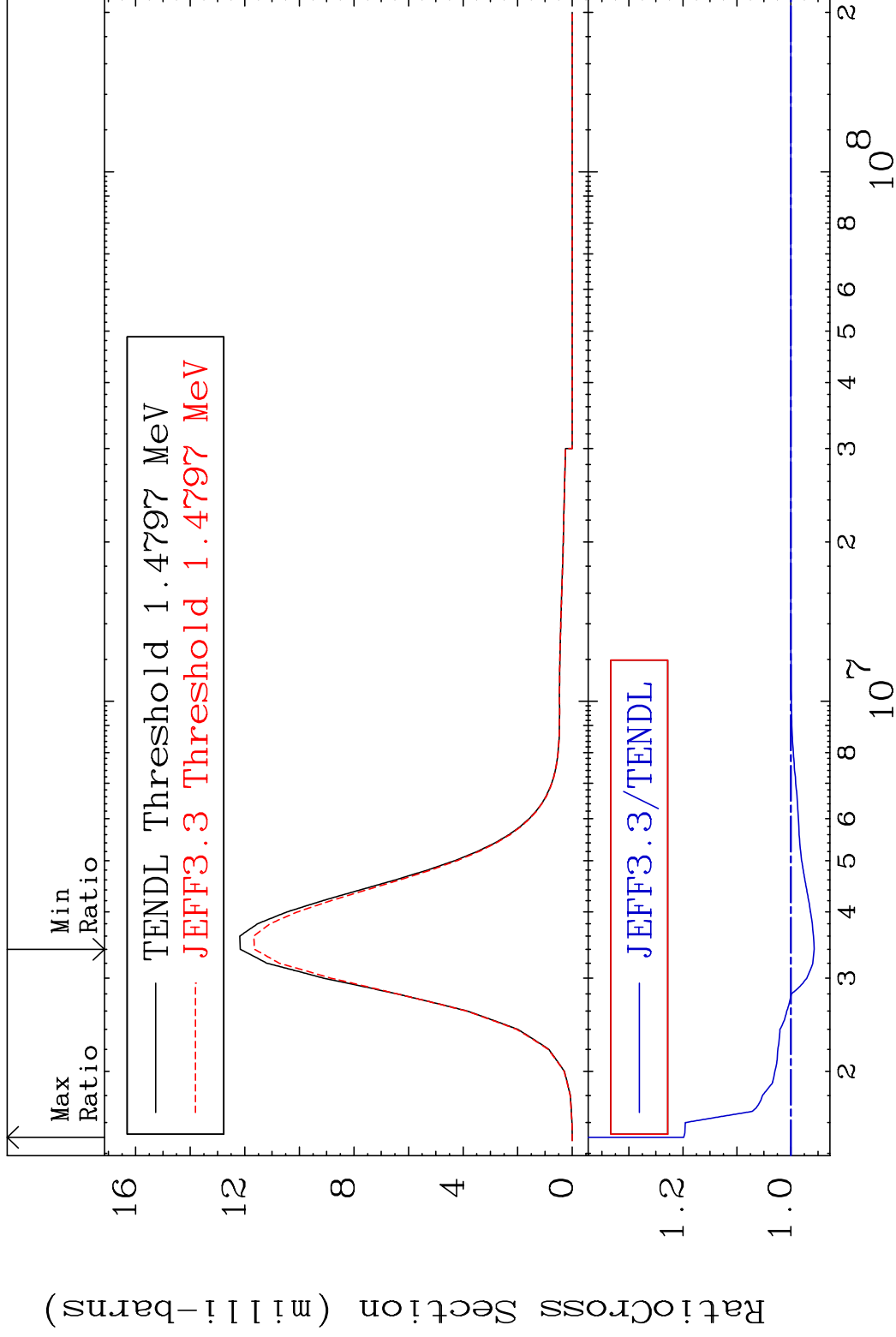
84-Po-209

MAT 8434

MT= 58 (n,n') Level

84-Po-209

Cross Section -4.289 To 19.87 %



28

Incident Energy (eV)

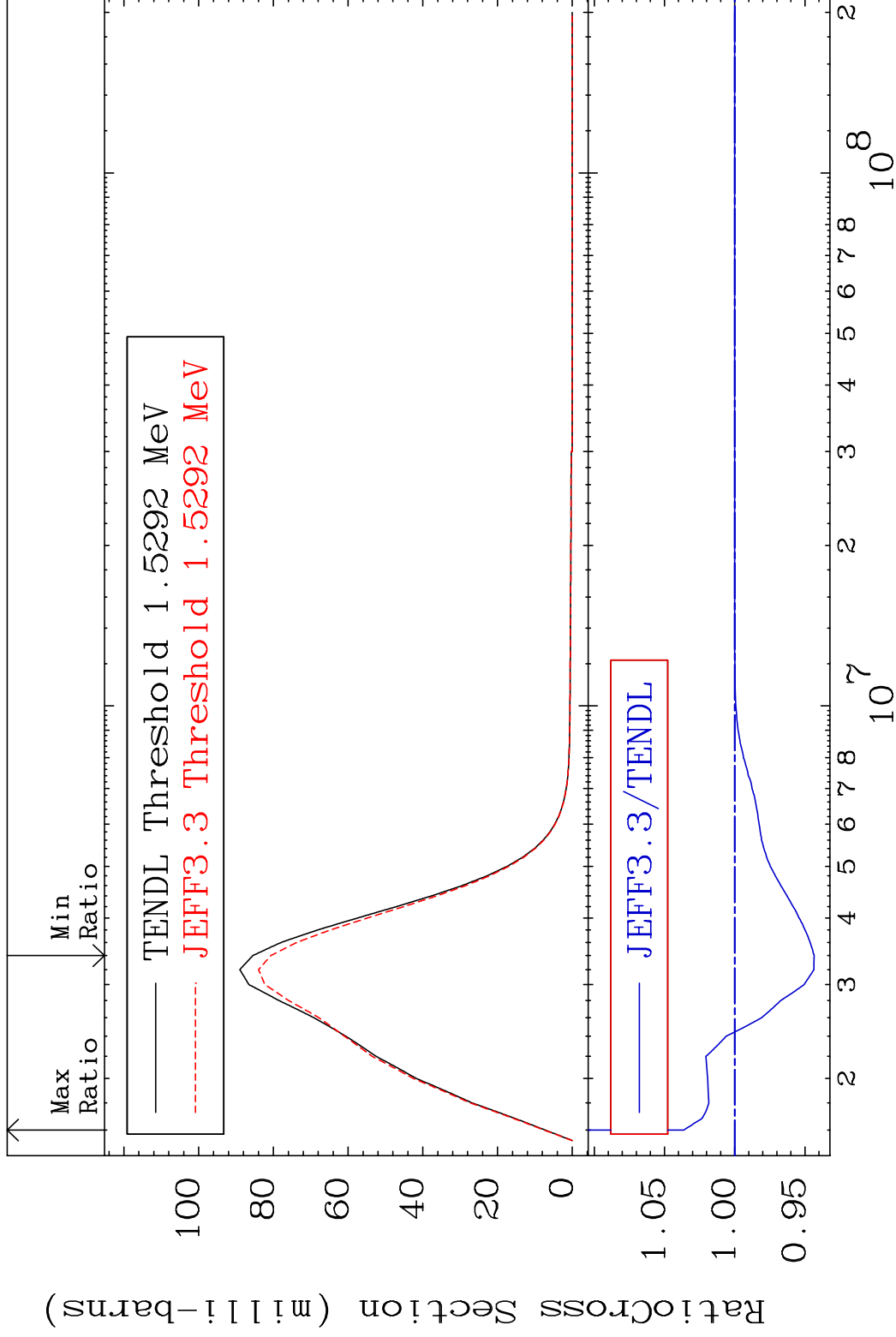
84-Po-209

MAT 8434

MT= 59 (n,n') Level

84-Po-209

Cross Section -5.654 To 3.634 %

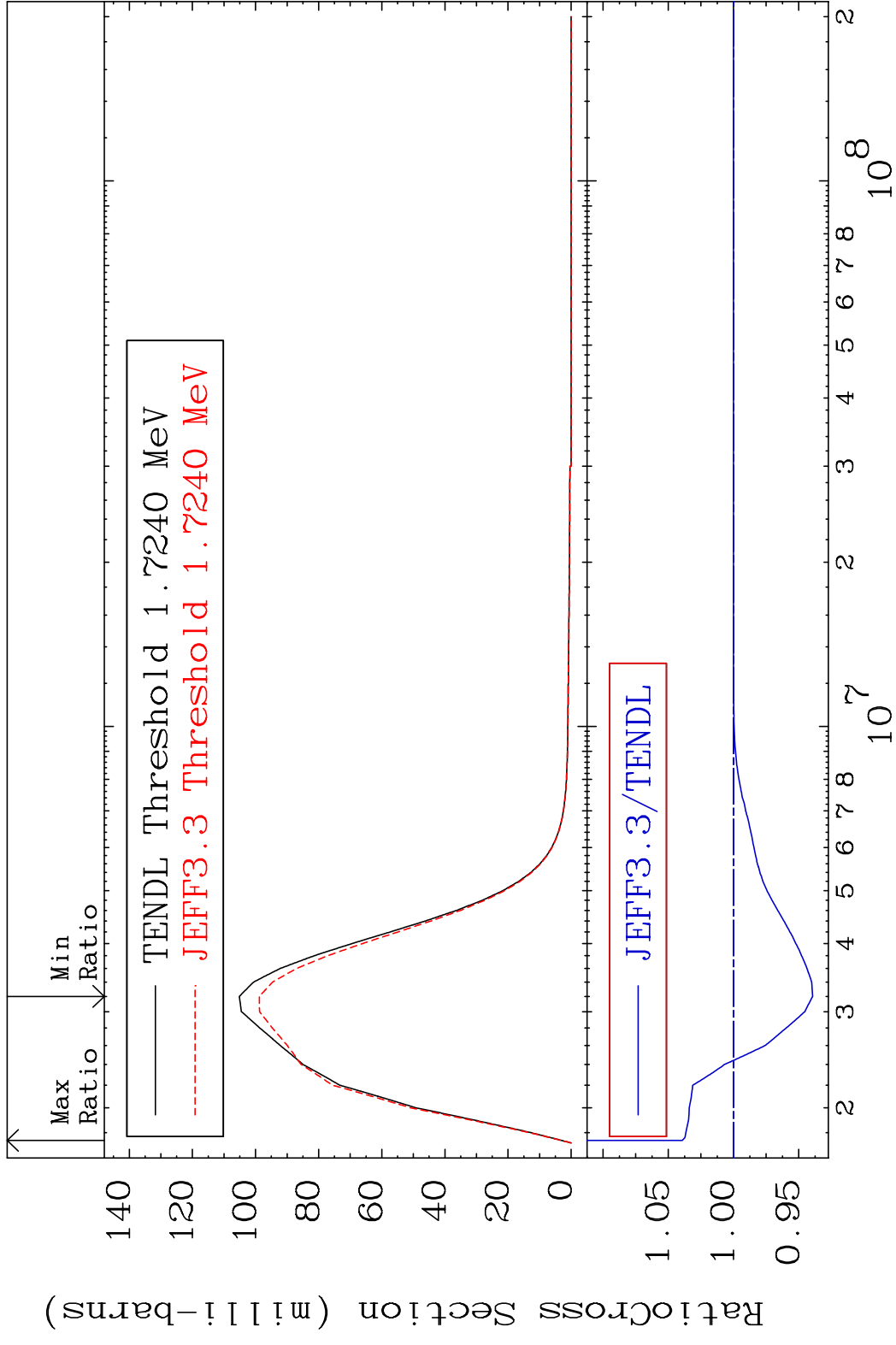


29

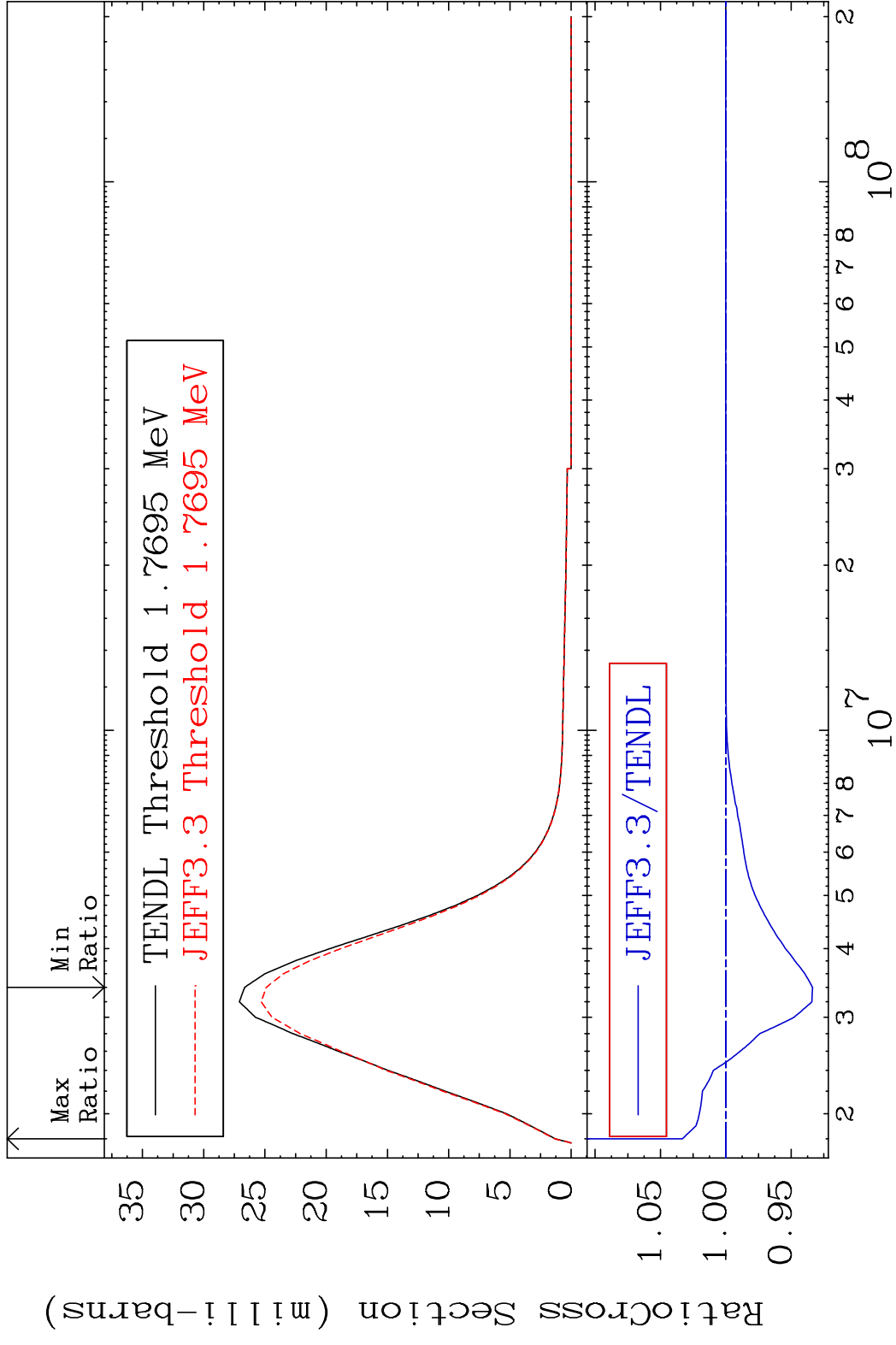
Incident Energy (eV)

84-Po-209

MAT 8434 MT= 60 (n,n') Level 84-Po-209  
 Cross Section -6.061 To 3.922 %



MAT 8434 MT= 61 (n, n') Level 84-Po-209  
 Cross Section -6.636 To 3.325 %



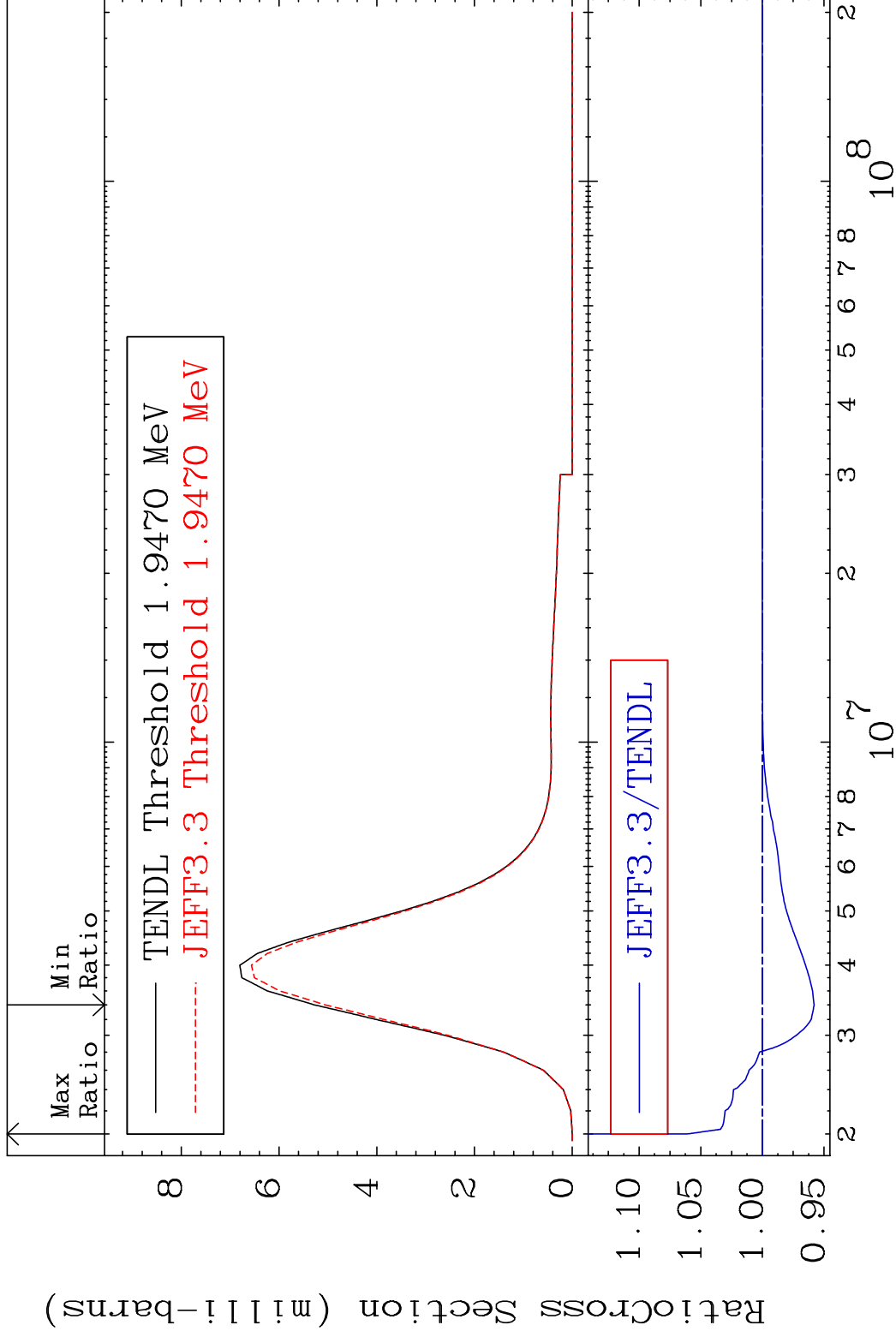


MAT 8434

MT= 62 (n, n') Level

84-Po-209

Cross Section -4.196 To 6.389 %

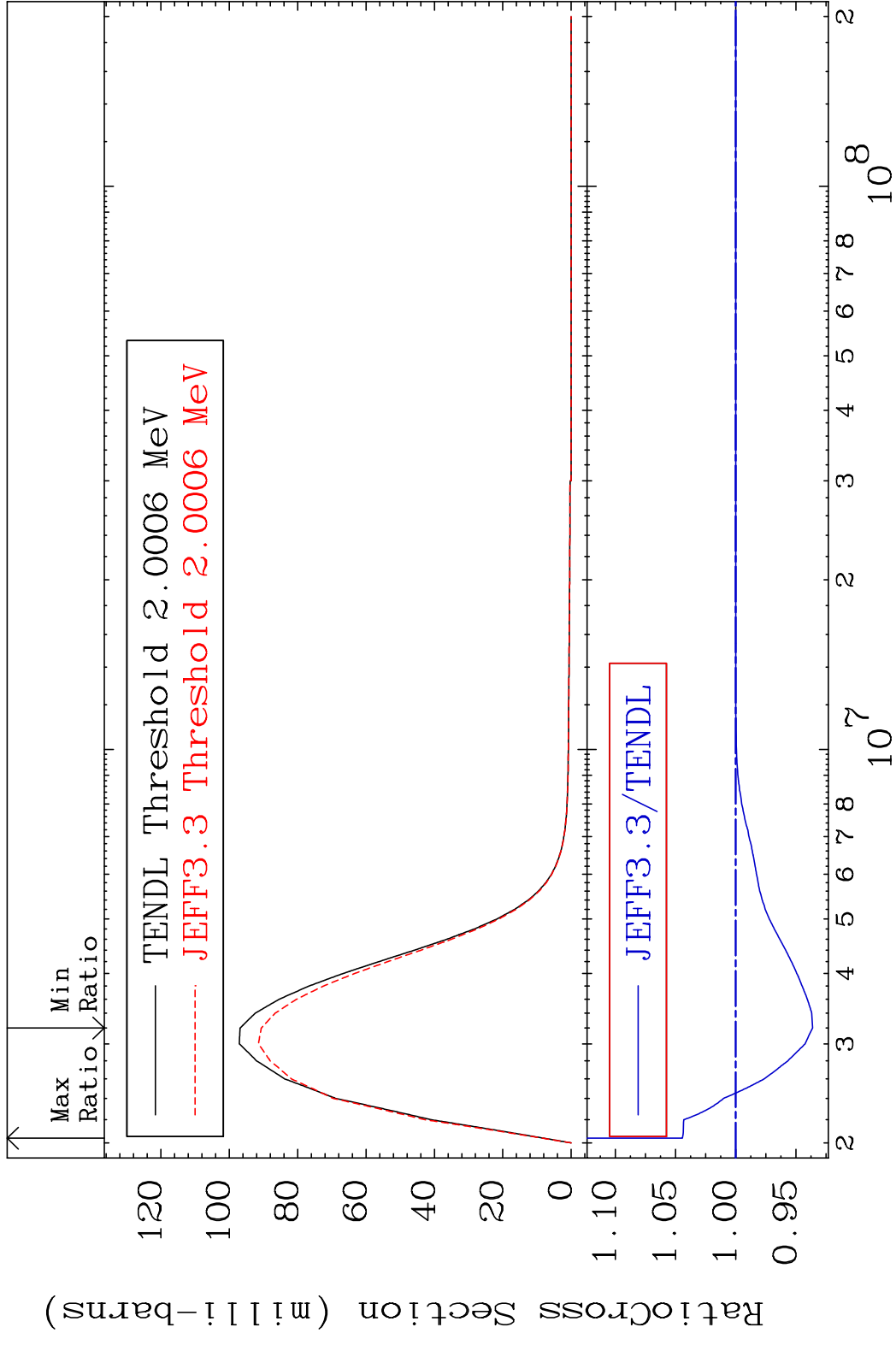


32

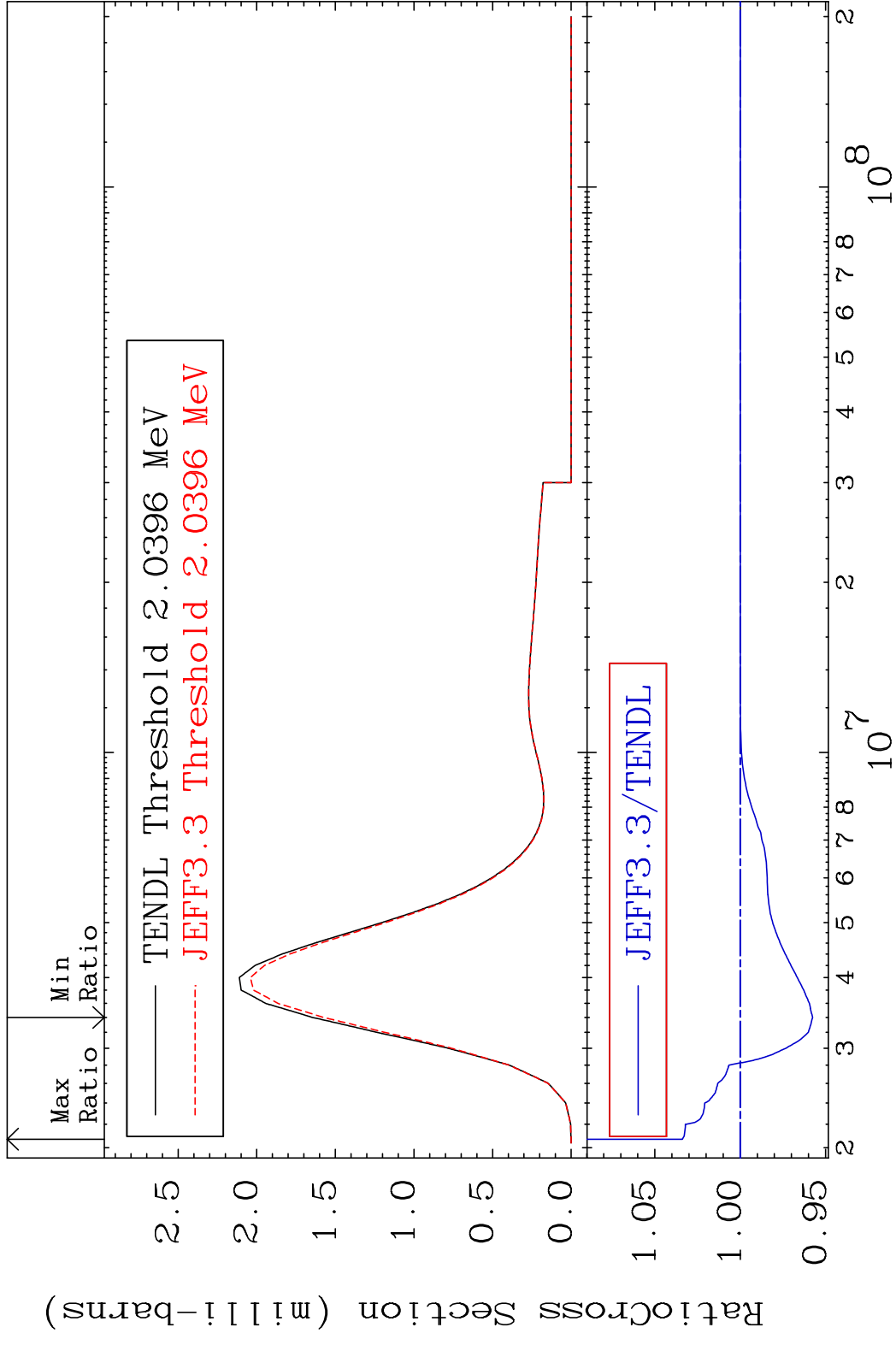
Incident Energy (eV)

84-Po-209

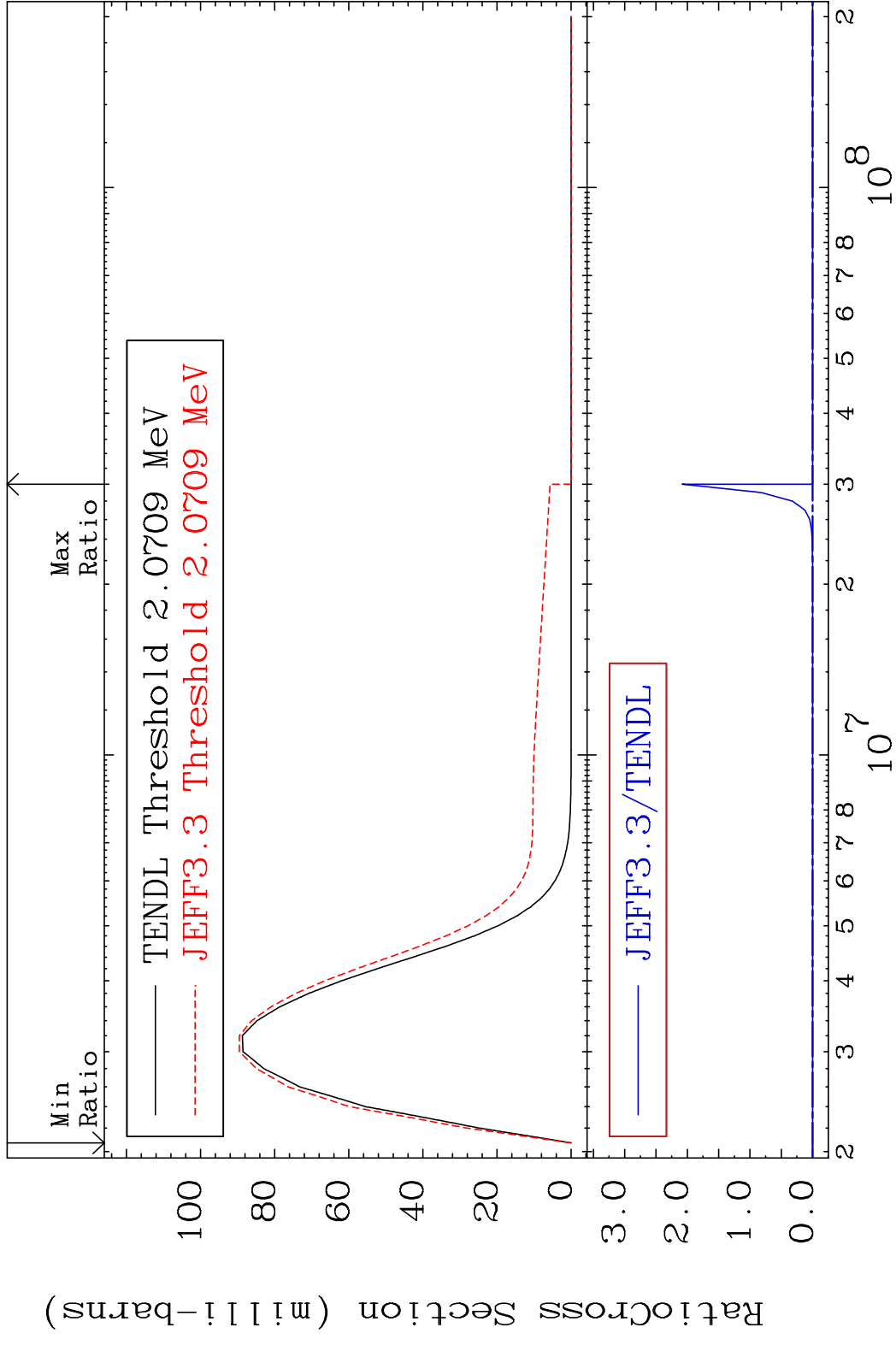
MAT 8434 MT= 63 (n, n') Level 84-Po-209  
 Cross Section -6.381 To 4.431 %



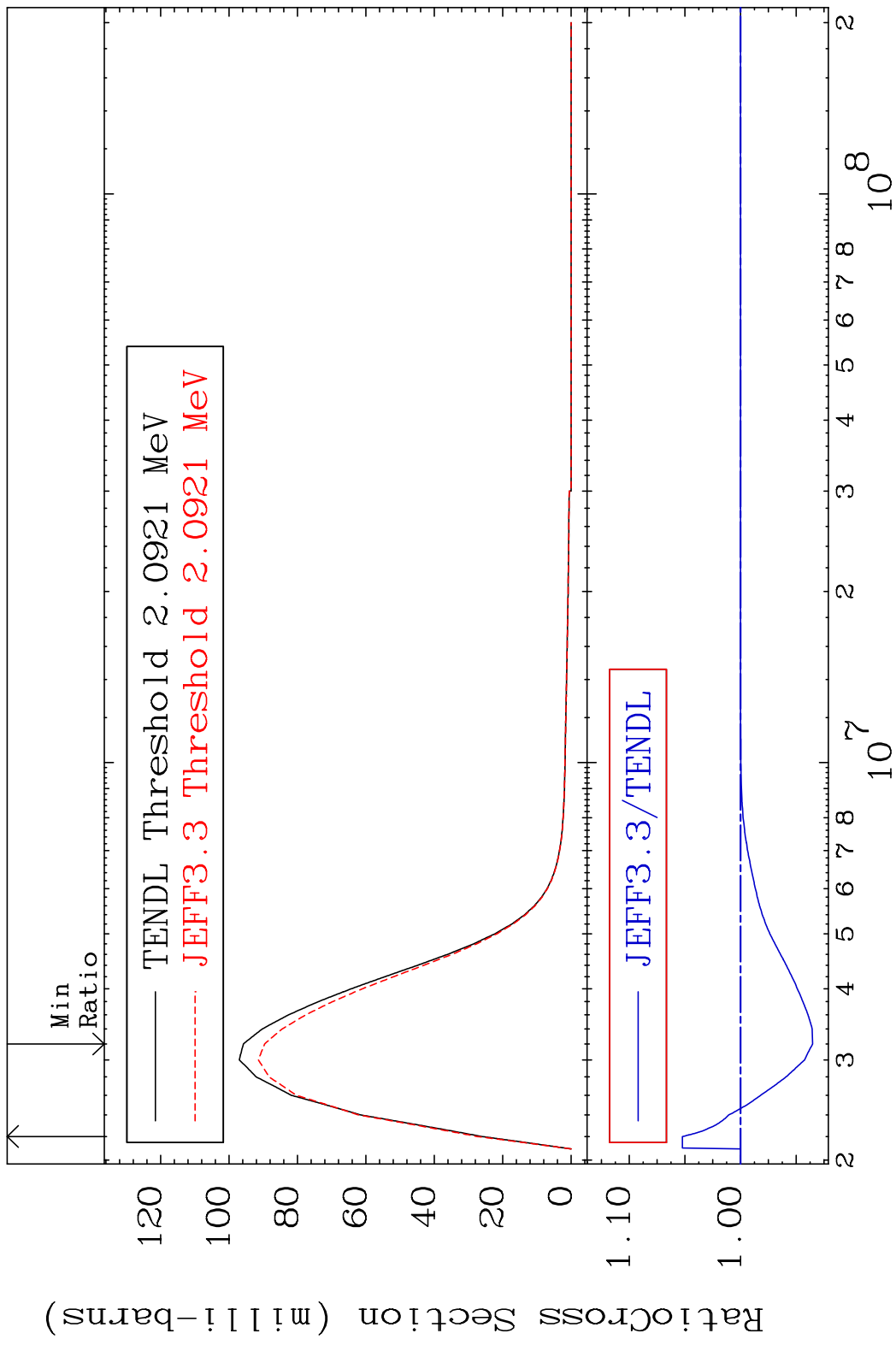
MAT 8434 MT= 64 (n, n') Level 84-Po-209  
 Cross Section -4.236 To 3.390 %



MAT 8434 MT= 65 (n, n') Level 84-Po-209  
 Cross Section -100.0 To 9999. %



MAT 8434 MT= 66 (n,n') Level 84-Po-209  
 Cross Section -6.471 To 5.233 %

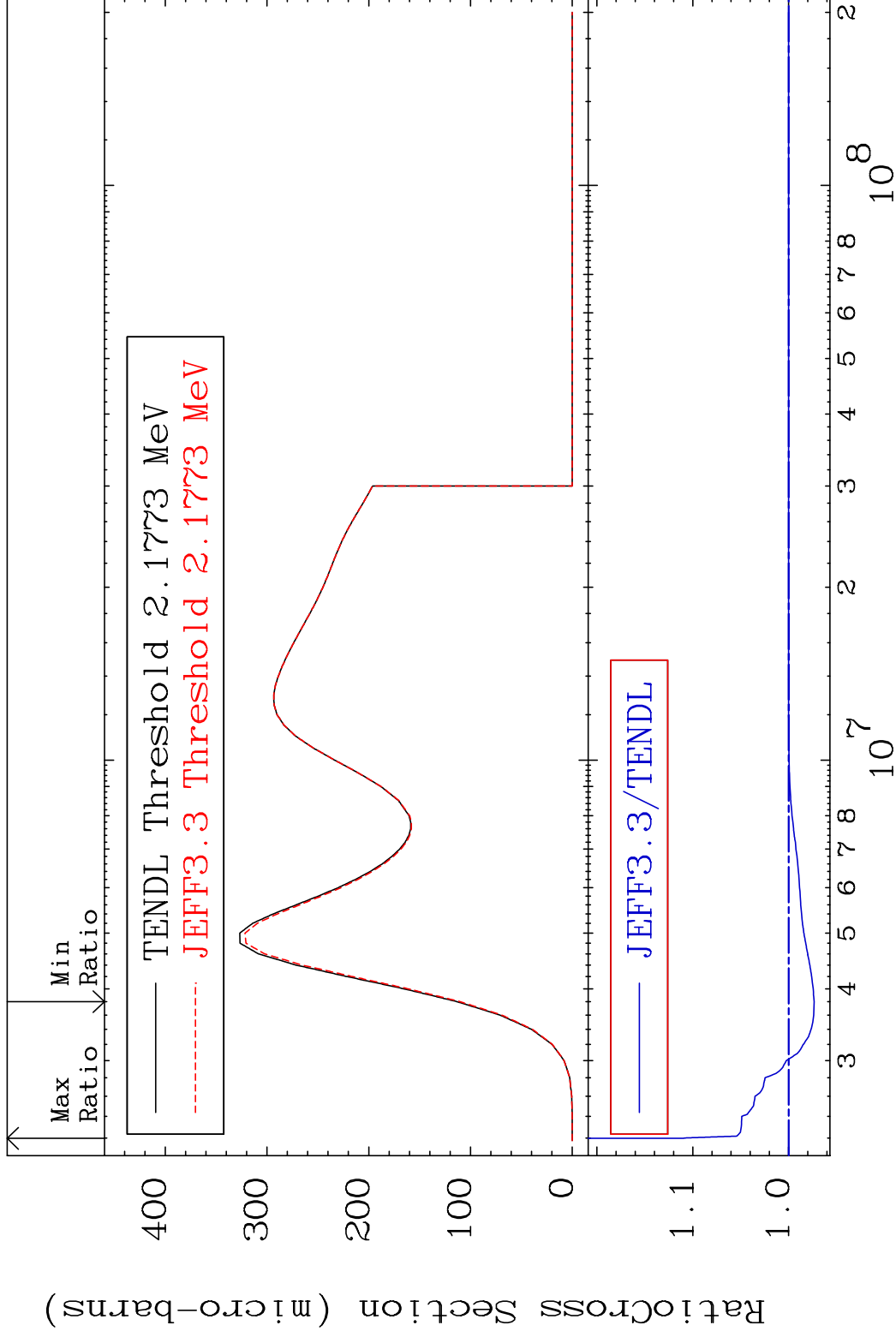


MAT 8434

MT= 67 (n, n') Level

84-Po-209

Cross Section -2.657 To 10.95 %

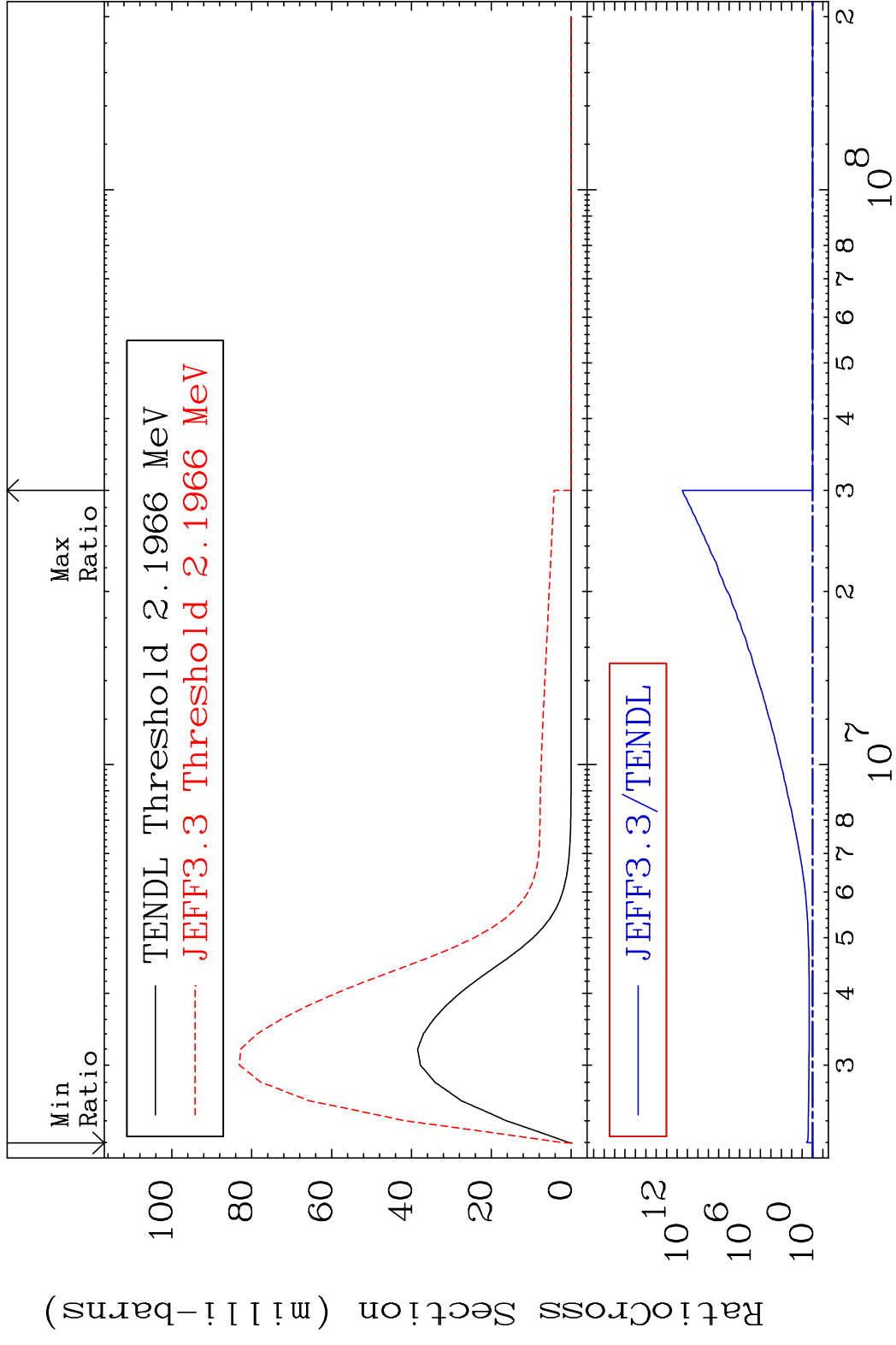


37

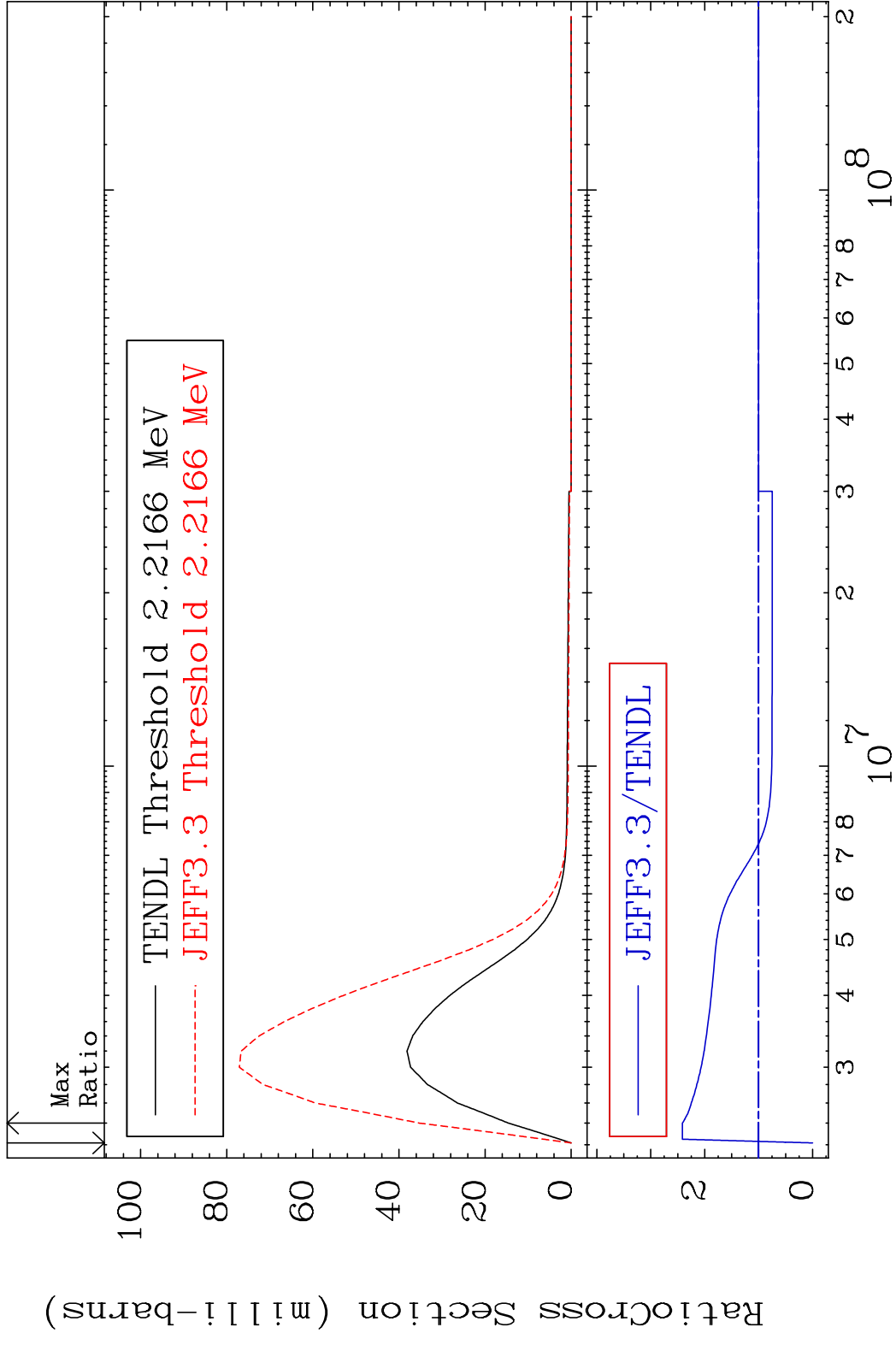
Incident Energy (eV)

84-Po-209

MAT 8434 MT= 68 (n, n') Level 84-Po-209  
 Cross Section 0.000 To 9999. %

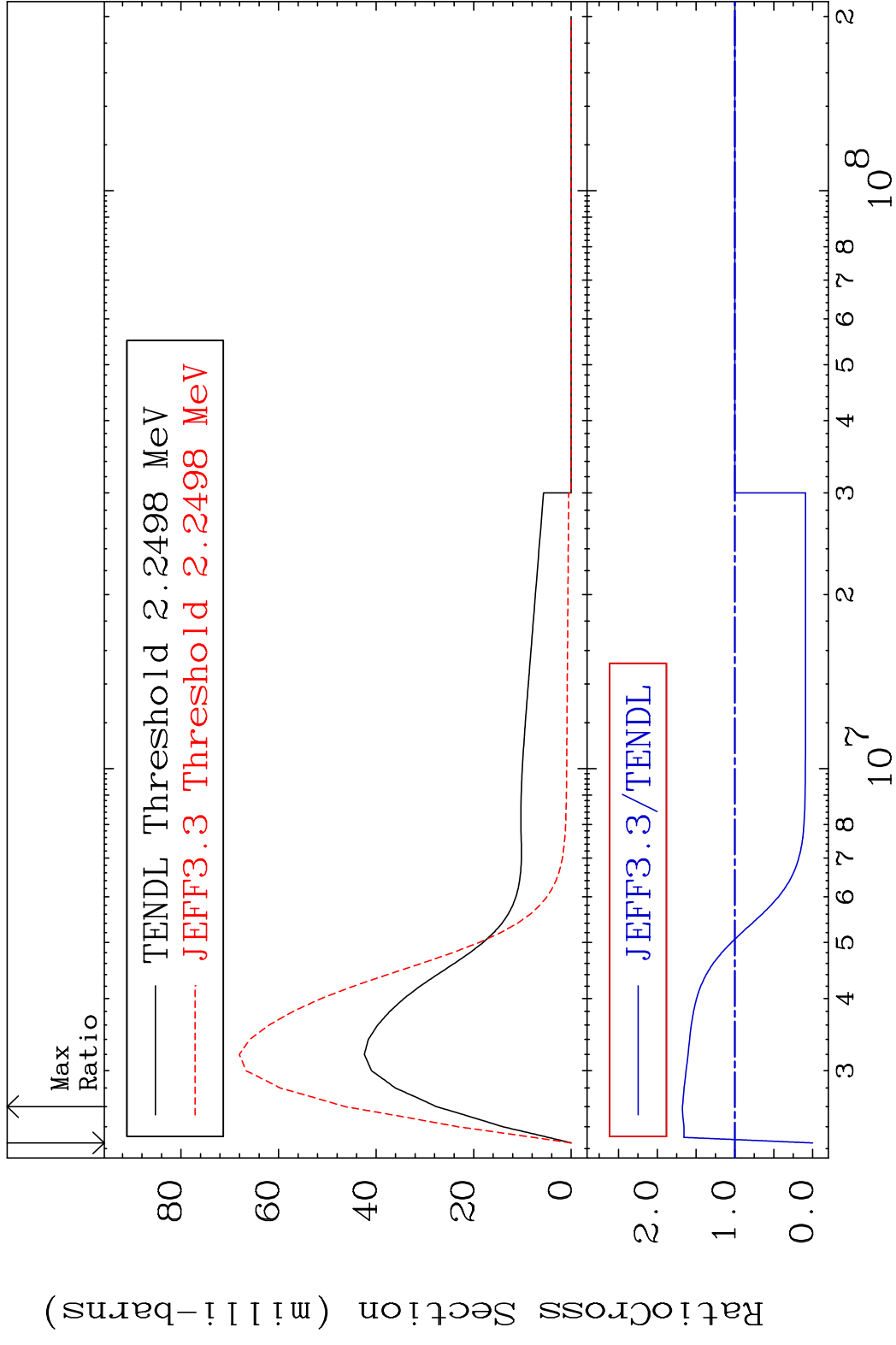


MAT 8434 MT= 69 (n, n') Level 84-Po-209  
 Cross Section -100.0 To 141.4 %



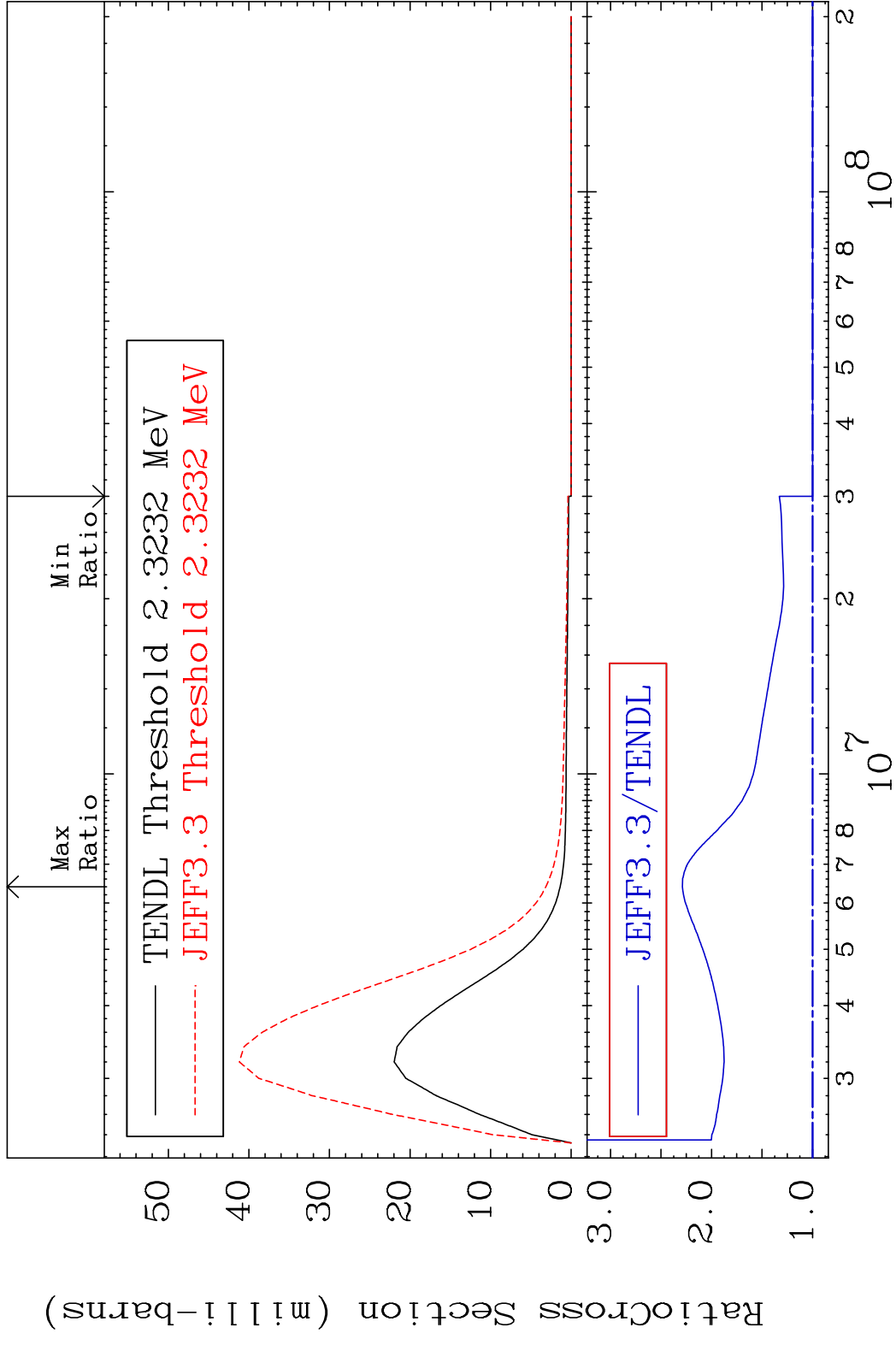


MAT 8434 MT= 70 (n, n') Level 84-Po-209  
 Cross Section -100.0 To 67.72 %

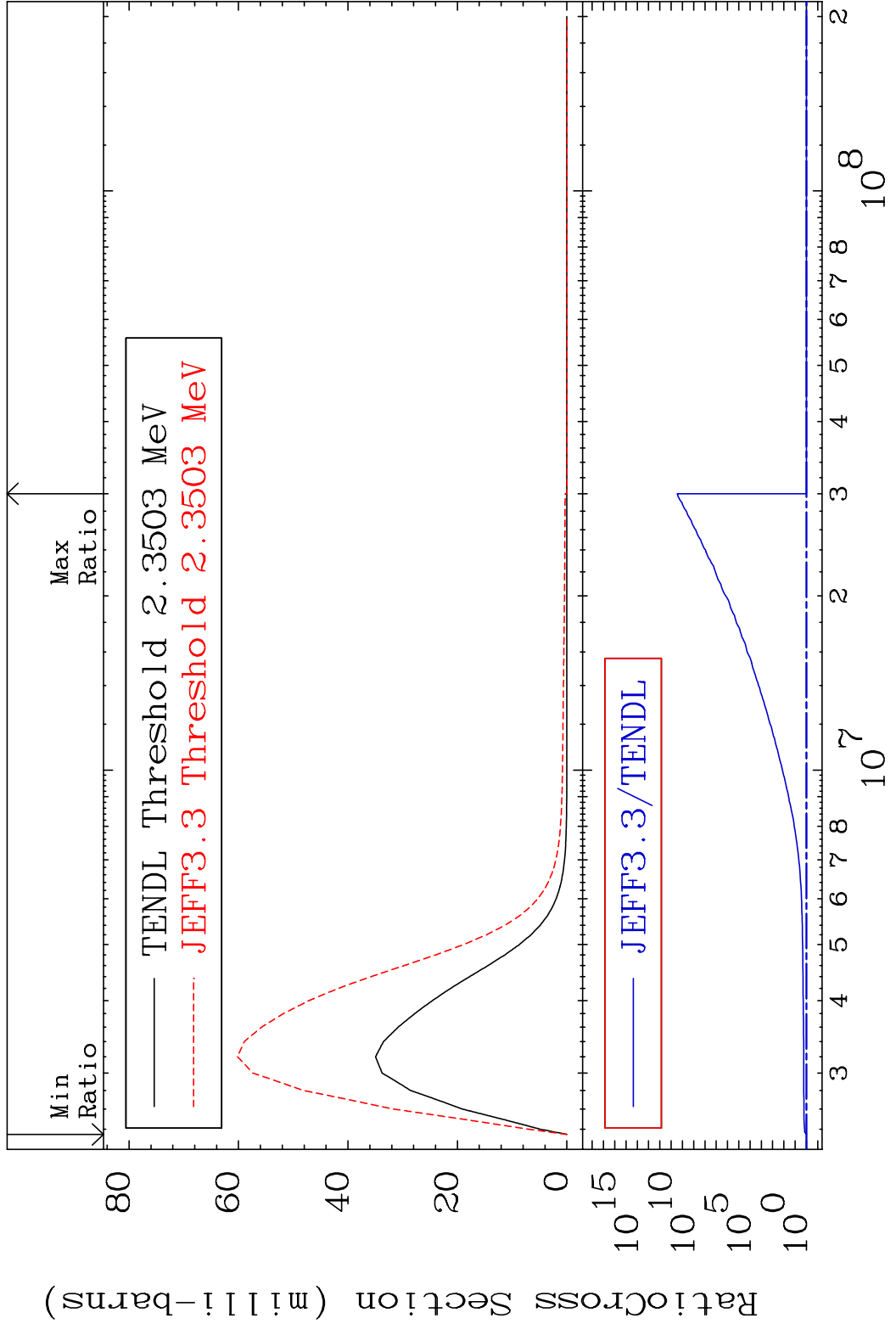


40 Incident Energy (eV) 84-Po-209

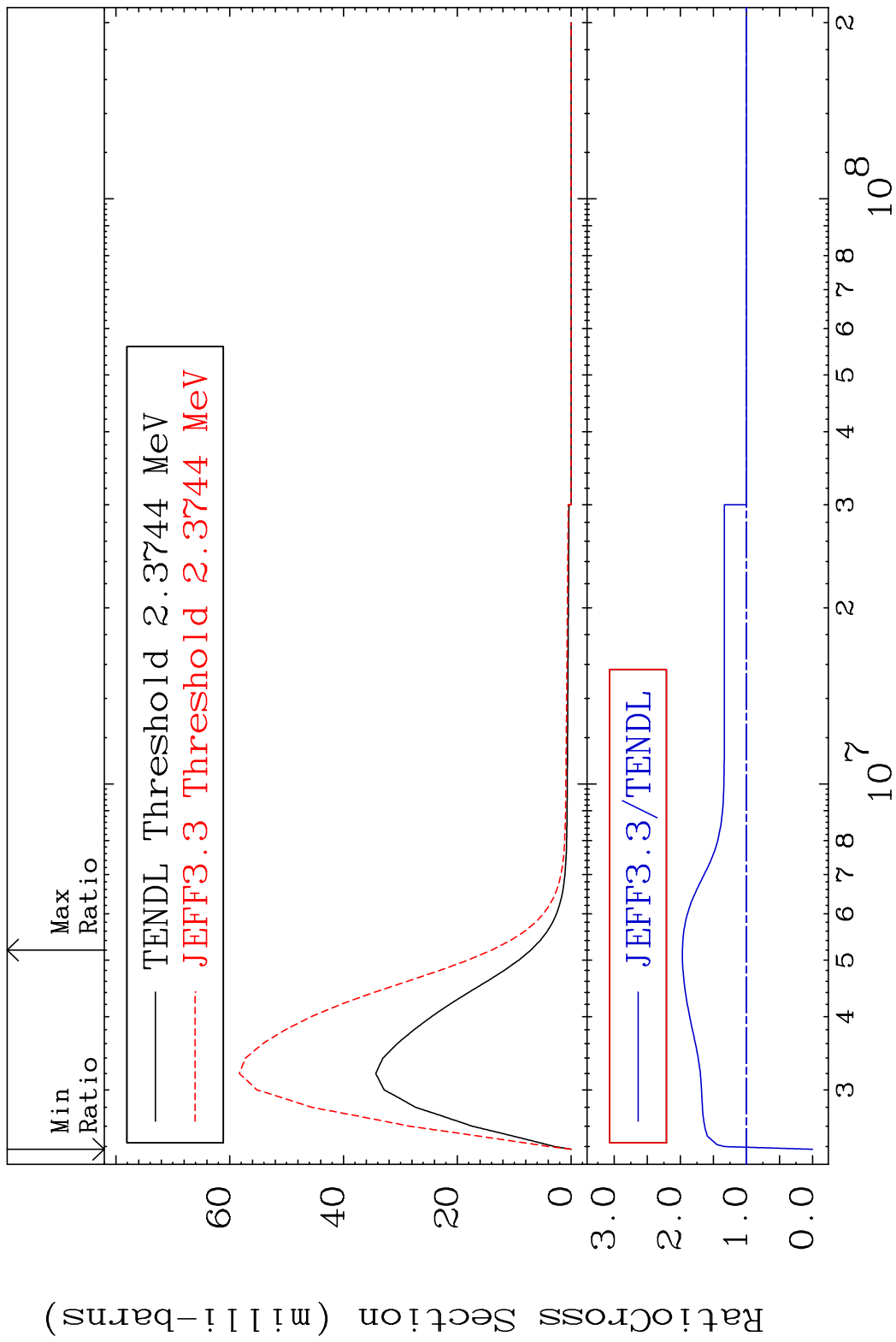
MAT 8434 MT= 71 (n, n') Level 84-Po-209  
 Cross Section 0.000 To 128.9 %



MAT 8434 MT= 72 (n, n') Level 84-Po-209  
 Cross Section 0.000 To 9999. %



MAT 8434 MT= 73 (n, n') Level 84-Po-209  
 Cross Section -100.0 To 97.02 %

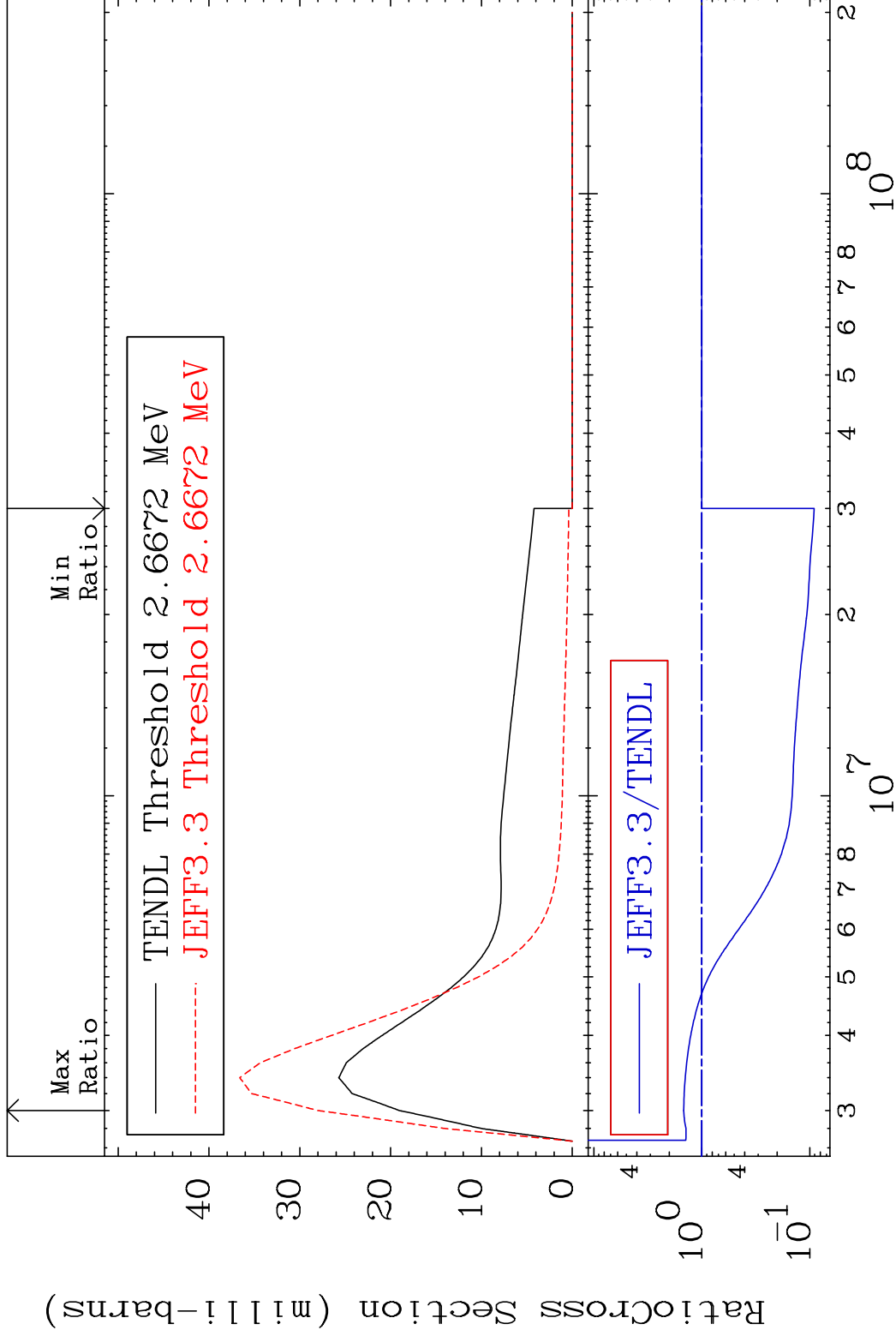


MAT 8434

MT= 74 (n, n') Level

84-Po-209

Cross Section -90.89 To 47.16 %

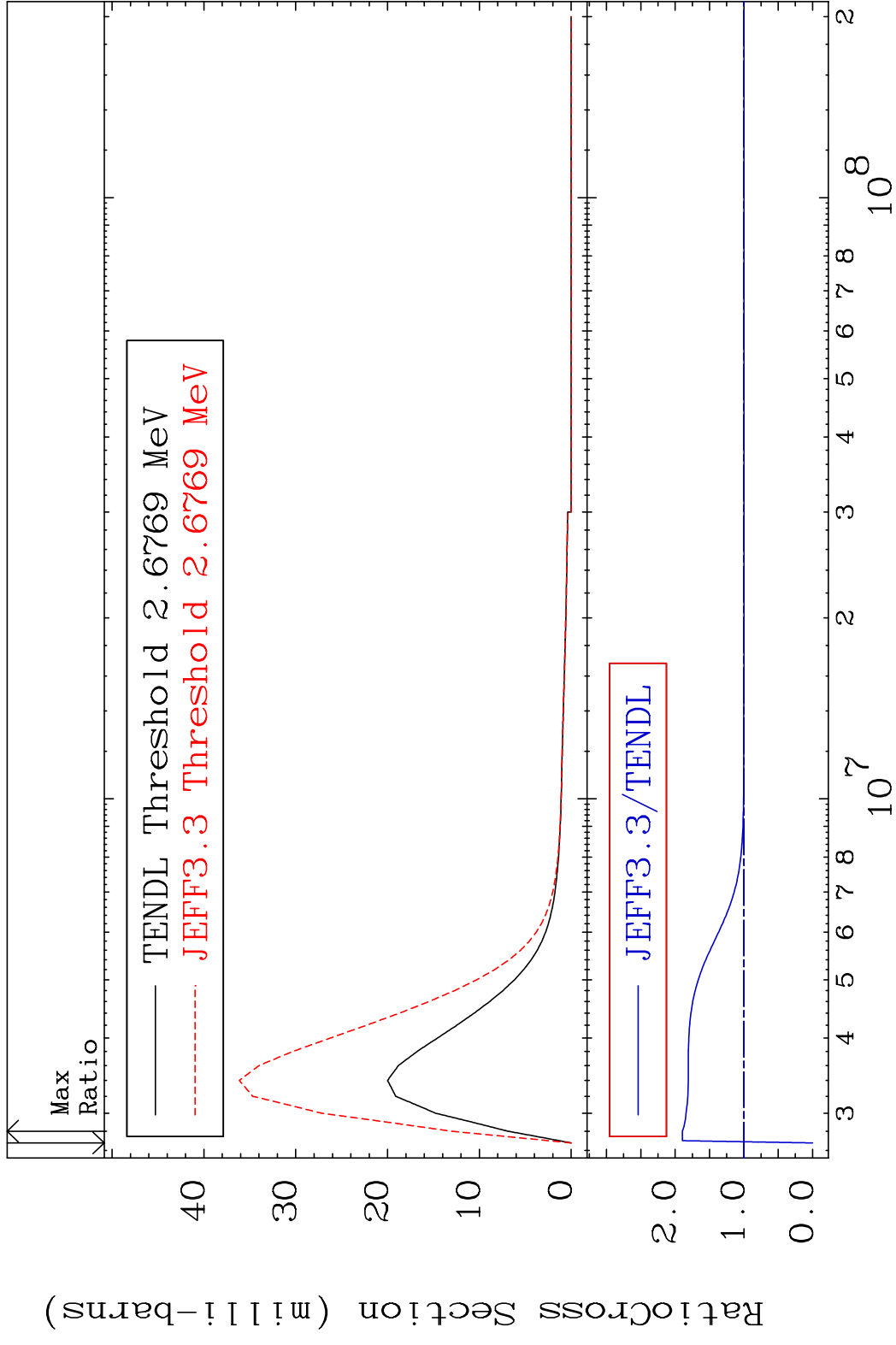


44

Incident Energy (eV)

84-Po-209

MAT 8434 MT= 75 (n,n') Level 84-Po-209  
 Cross Section -100.0 To 89.50 %

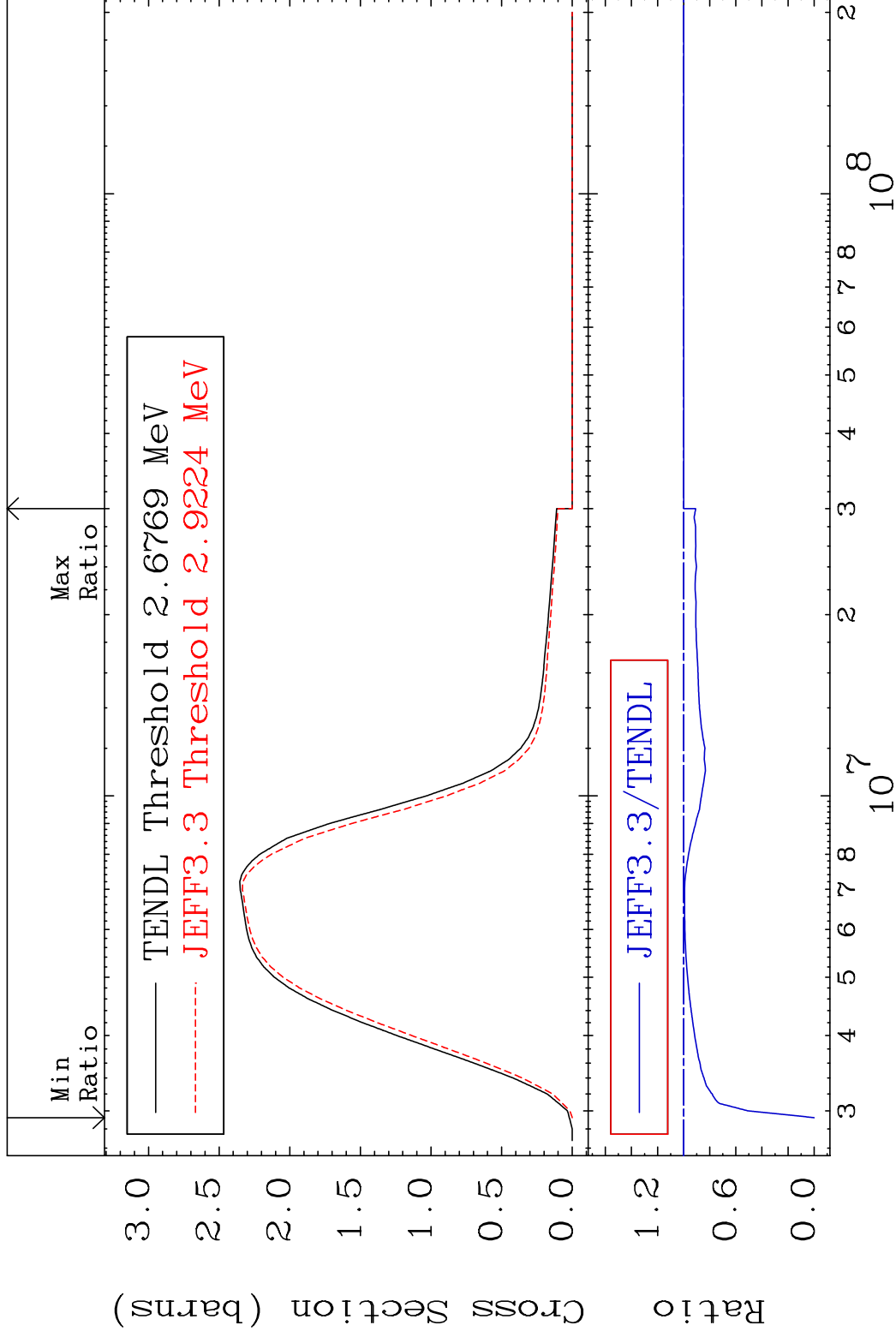


MAT 8434

(n, n') Continuum

84-Po-209

Cross Section -100.0 To 0.000 %



46

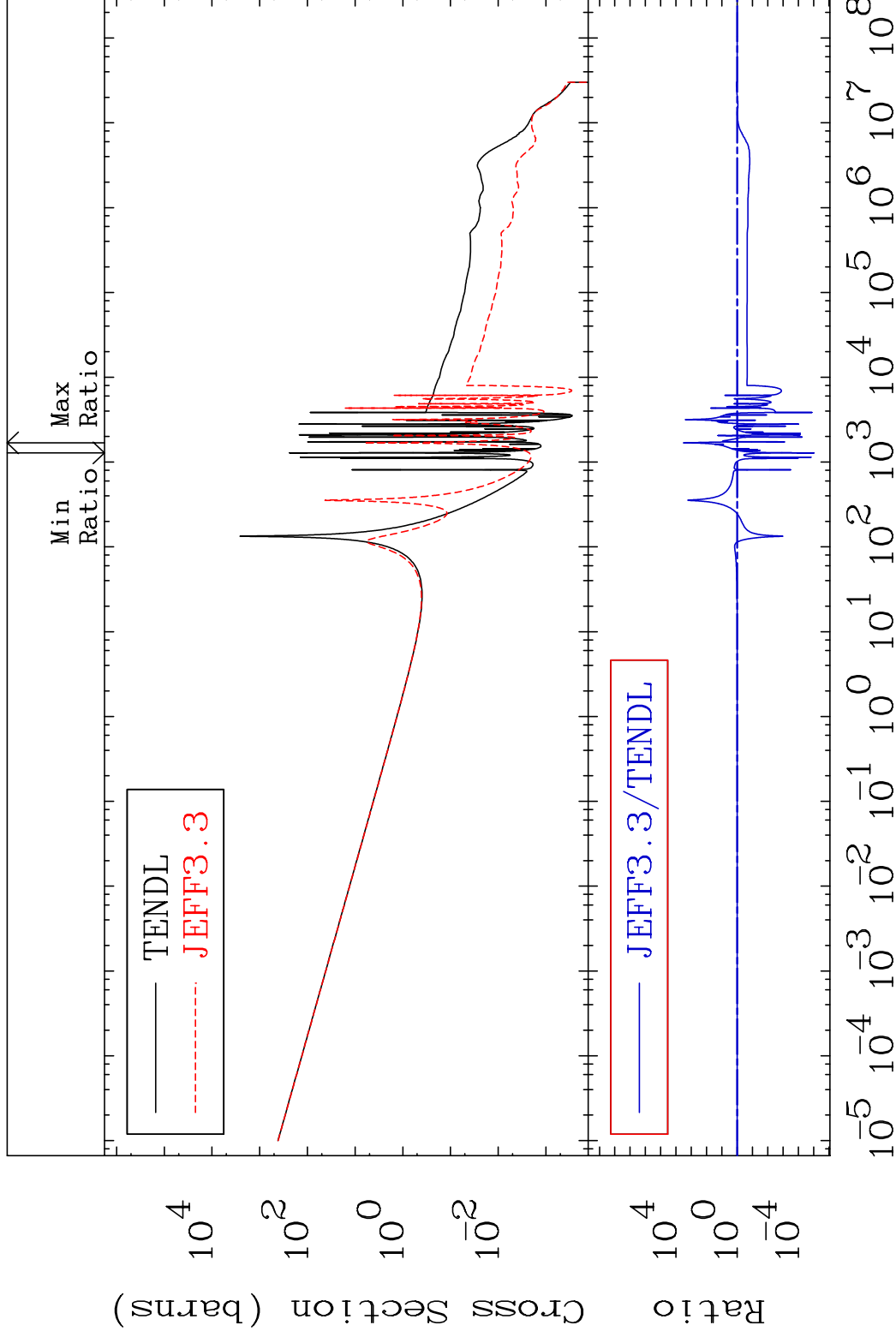
Incident Energy (eV)

84-Po-209

MAT 8434

(n,  $\gamma$ )  
Cross Section -100.0 To 9999. %

84-Po-209



47

Incident Energy (eV)

84-Po-209

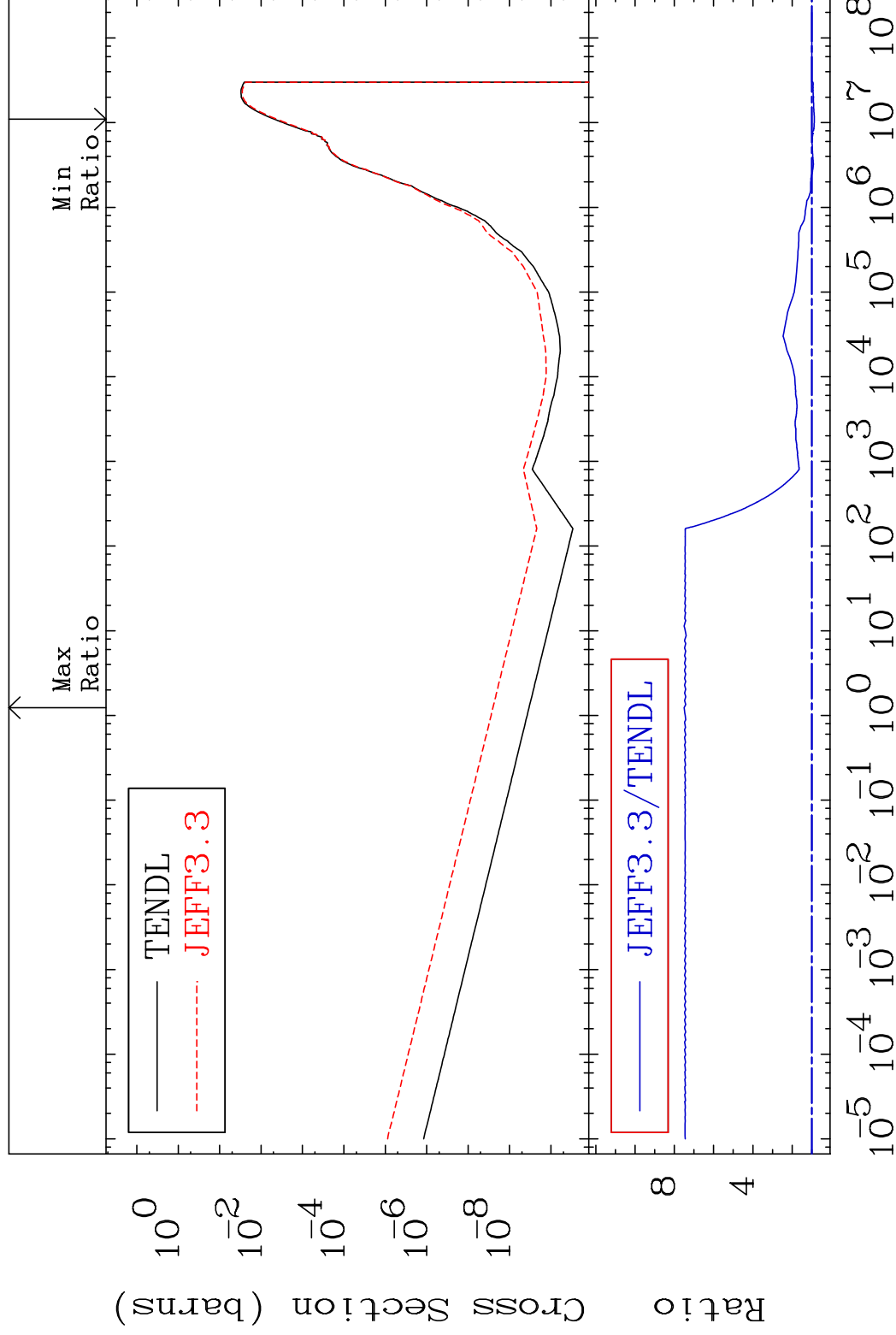


MAT 8434

(n, p)

84-Po-209

Cross Section -12.86 To 650.5 %



48

Incident Energy (eV)

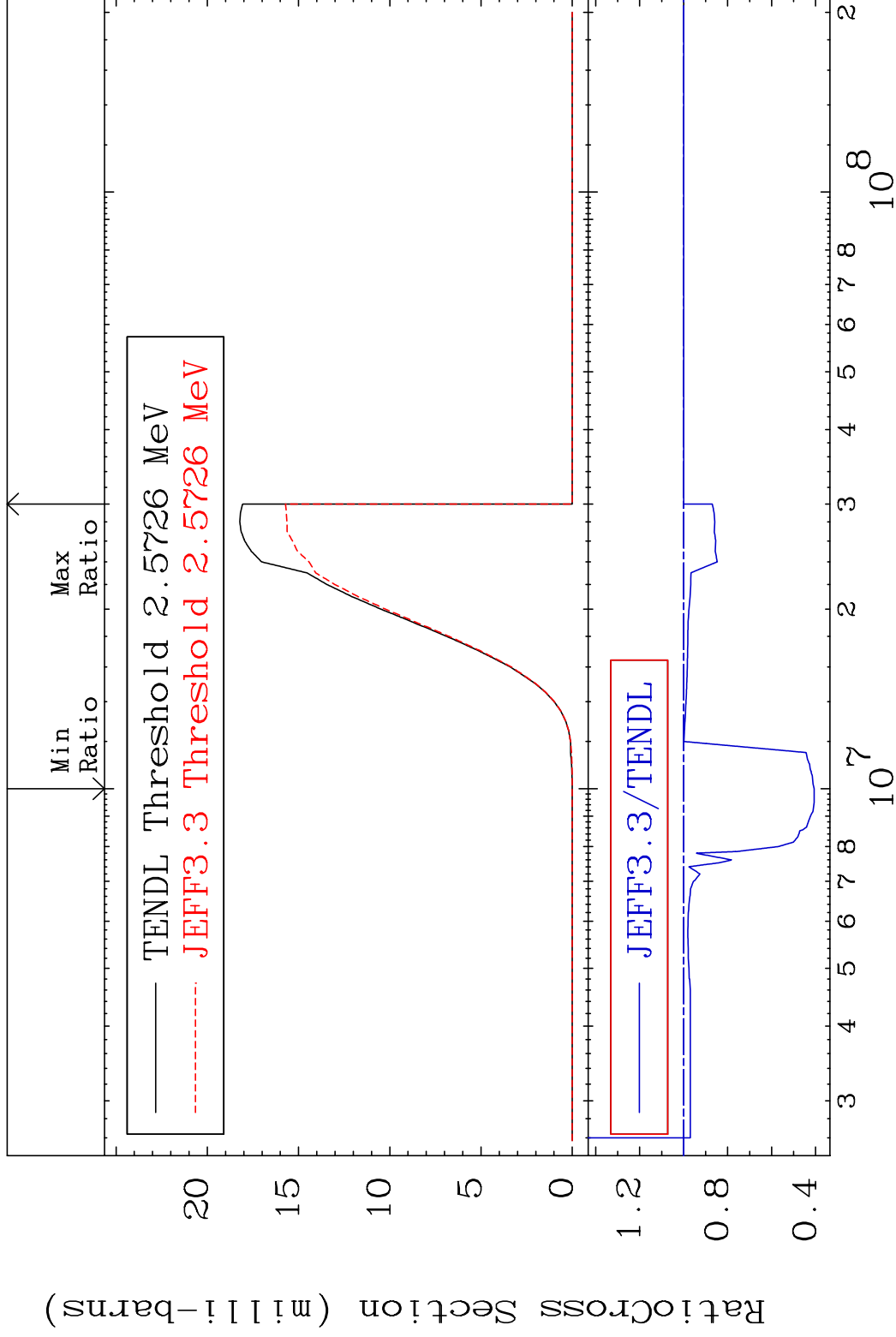
84-Po-209

MAT 8434

(n,d)

84-Po-209

Cross Section -59.31 To 0.000 %



49

Incident Energy (eV)

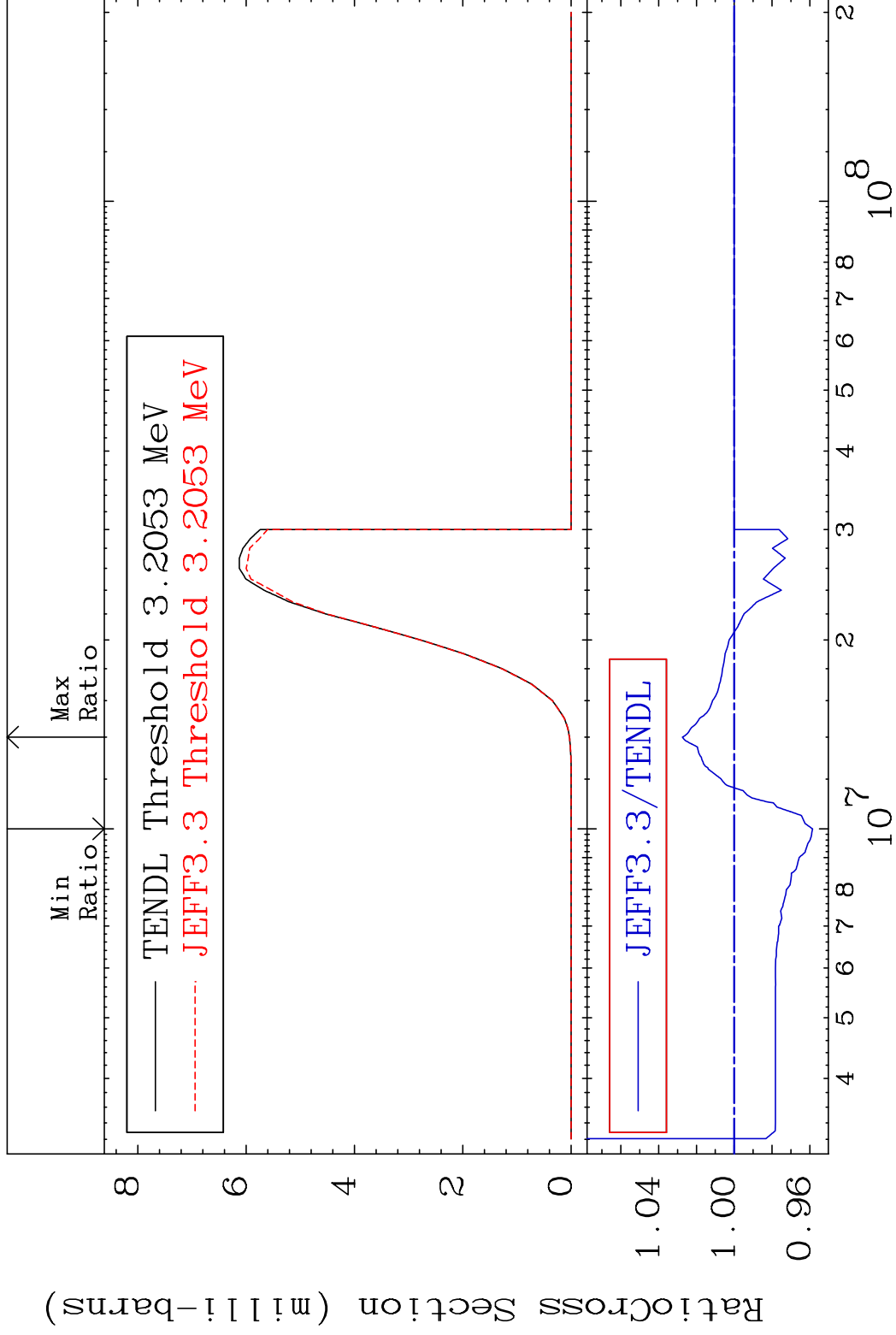
84-Po-209

MAT 8434

(n, t)

84-Po-209

Cross Section -4.148 To 2.745 %



50

Incident Energy (eV)

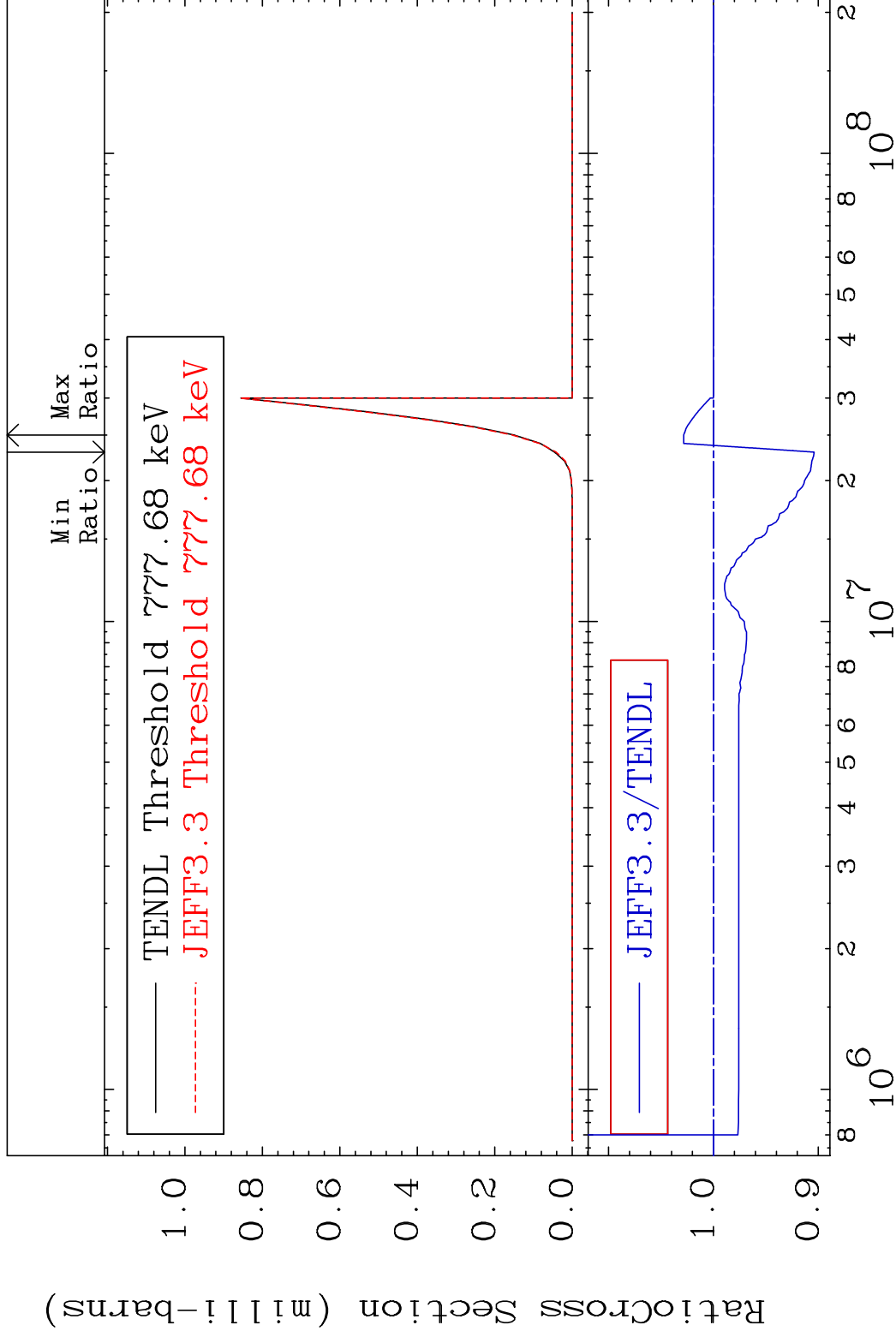
84-Po-209

MAT 8434

(n, He-3)

84-Po-209

Cross Section -9.598 To 2.841 %



51

Incident Energy (eV)

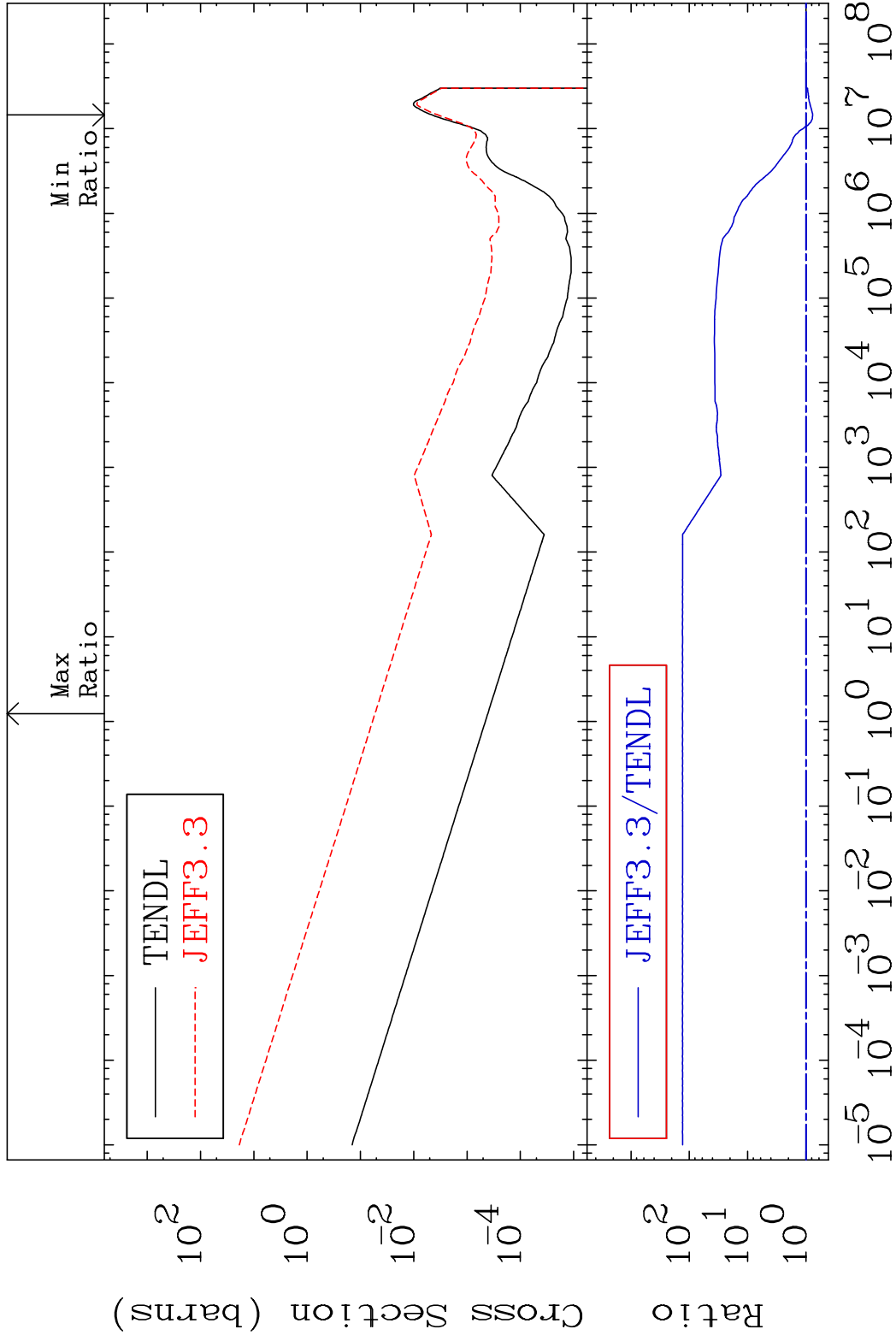
84-Po-209

MAT 8434

(n,  $\alpha$ )

84-Po-209

Cross Section -22.66 To 9999. %



52

Incident Energy (eV)

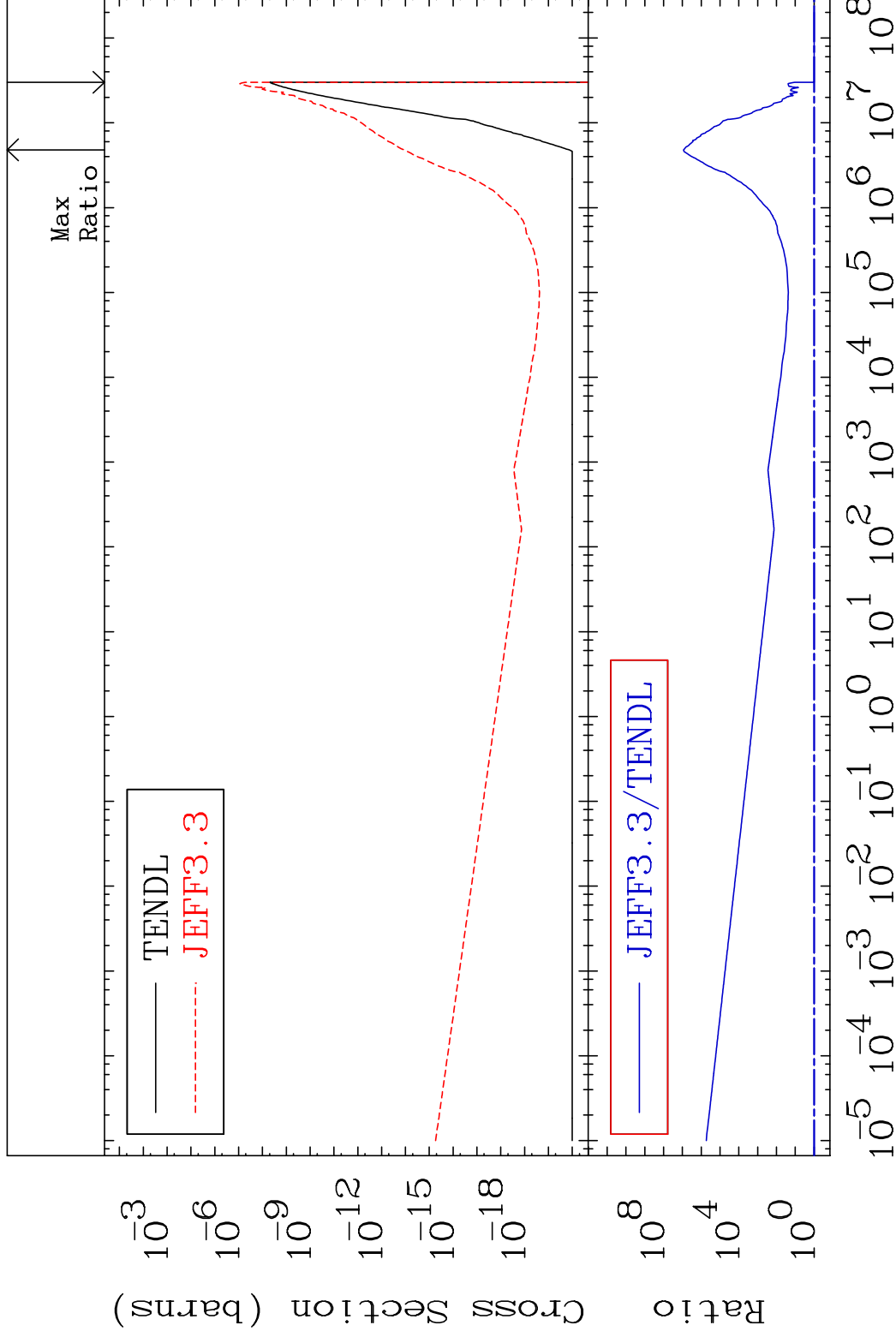
84-Po-209

MAT 8434

(n,2α)

84-Po-209

Cross Section 0.000 To 9999. %



53

Incident Energy (eV)

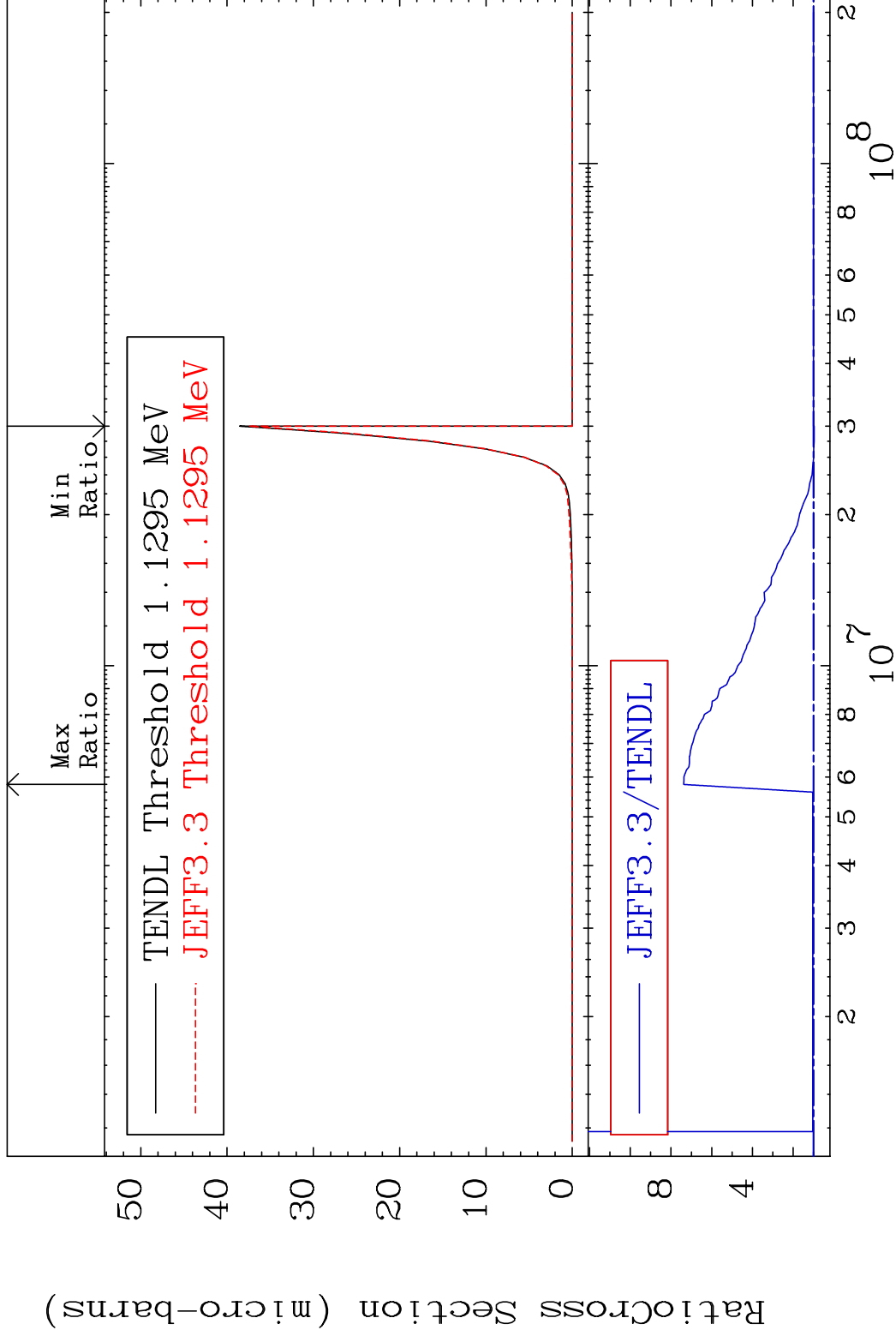
84-Po-209

MAT 8434

(n,2p)

84-Po-209

Cross Section -2.628 To 637.8 %



54

Incident Energy (eV)

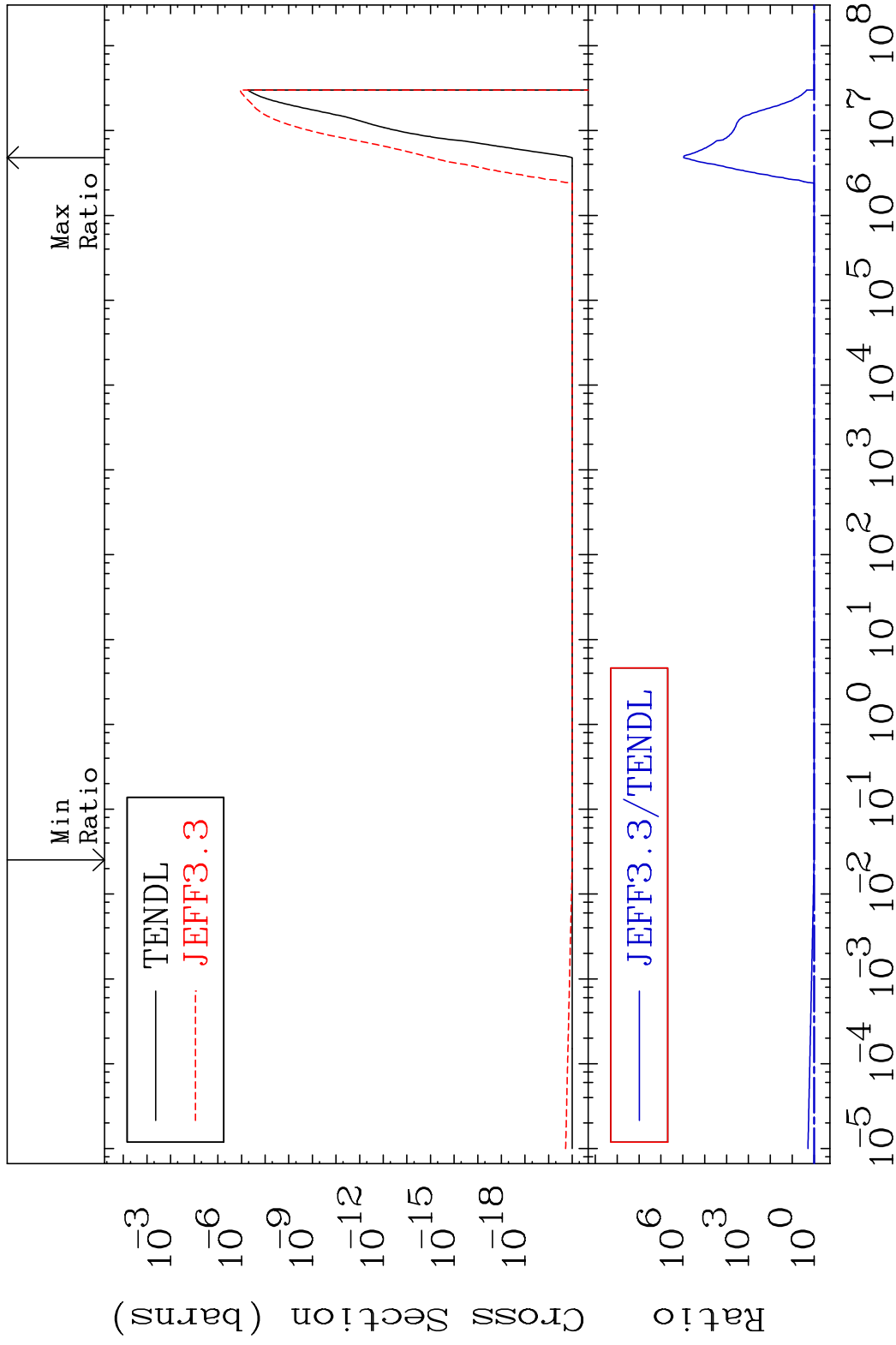
84-Po-209

MAT 8434

(n,p)  $\alpha$

84-Po-209

Cross Section 0.000 To 9999. %



55

Incident Energy (eV)

84-Po-209

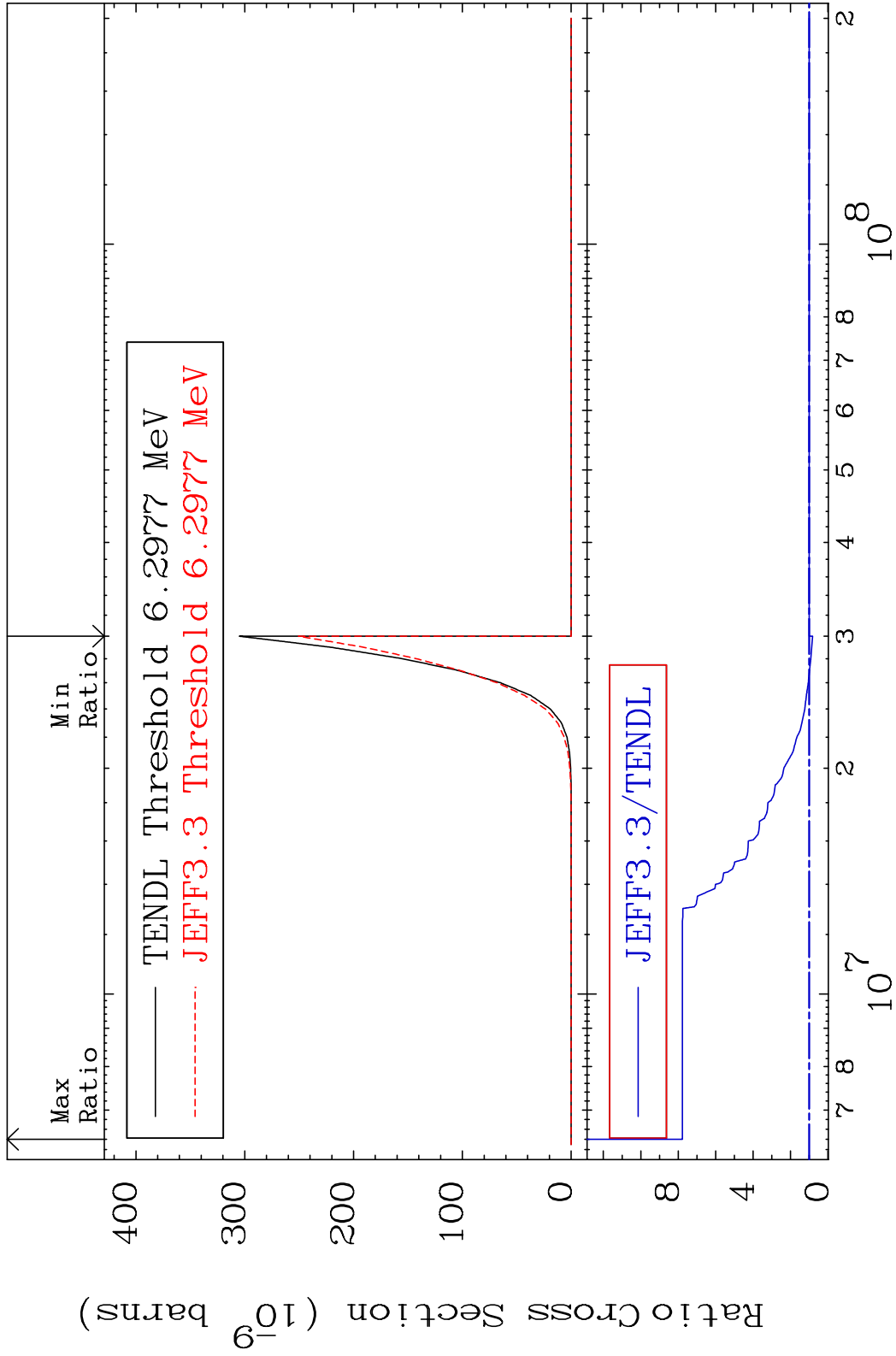


MAT 8434

(n,p) d

84-Po-209

Cross Section -17.81 To 677.9 %



56

Incident Energy (eV)

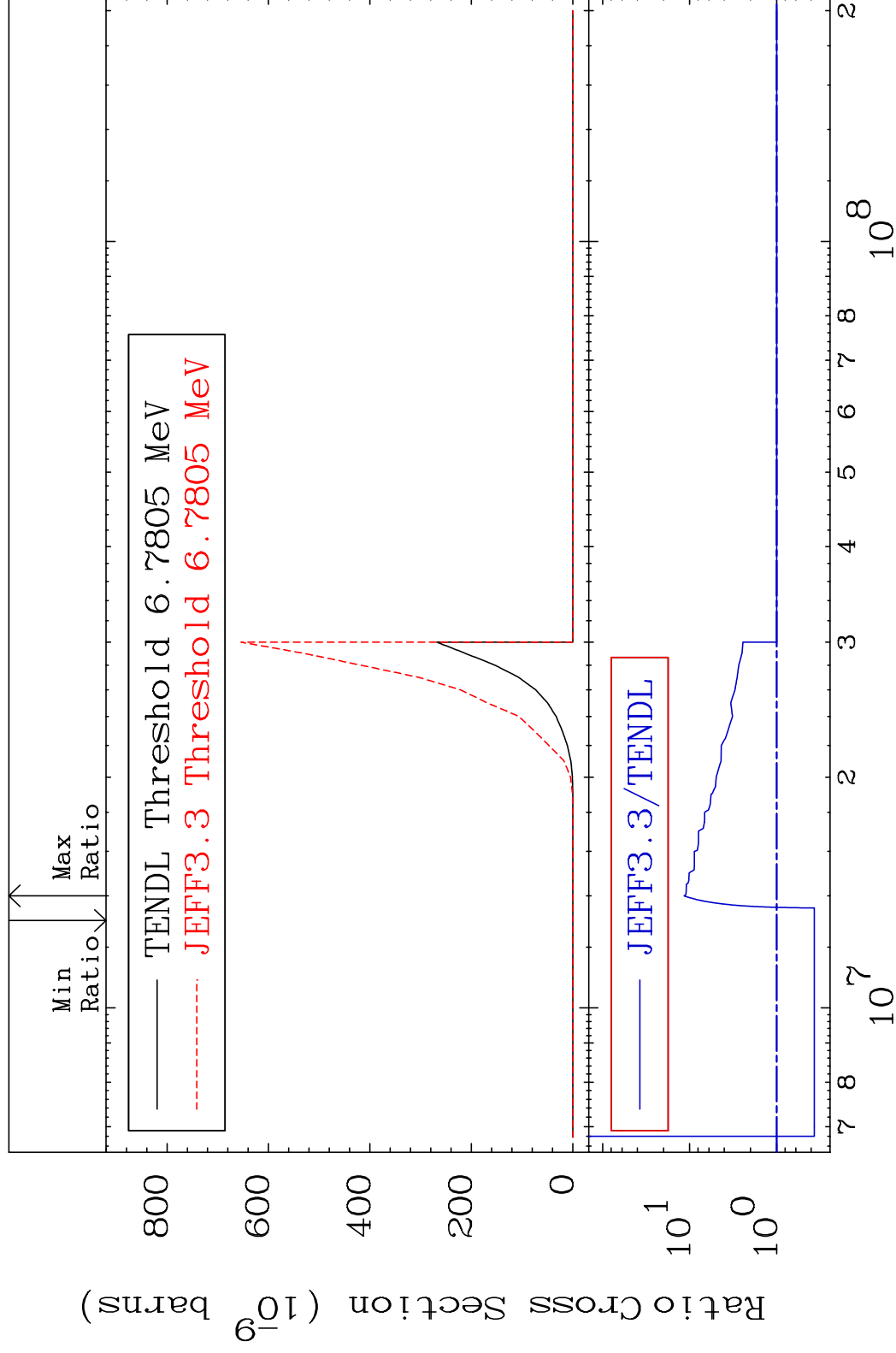
84-Po-209

MAT 8434

(n,p) t

84-Po-209

Cross Section -63.11 To 1060. %



57

Incident Energy (eV)

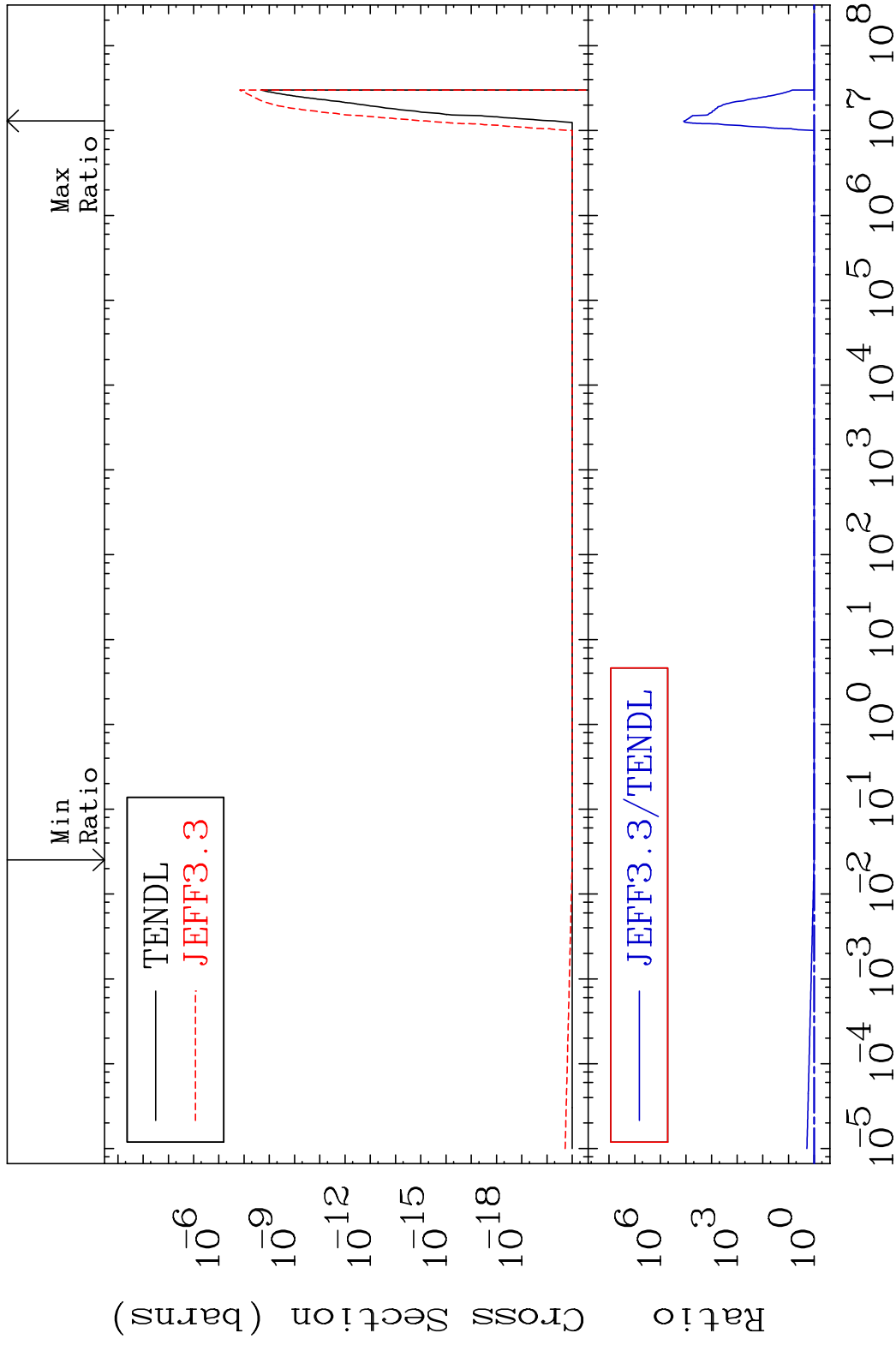
84-Po-209

MAT 8434

(n, d)  $\alpha$

84-Po-209

Cross Section 0.000 To 9999. %



58

Incident Energy (eV)

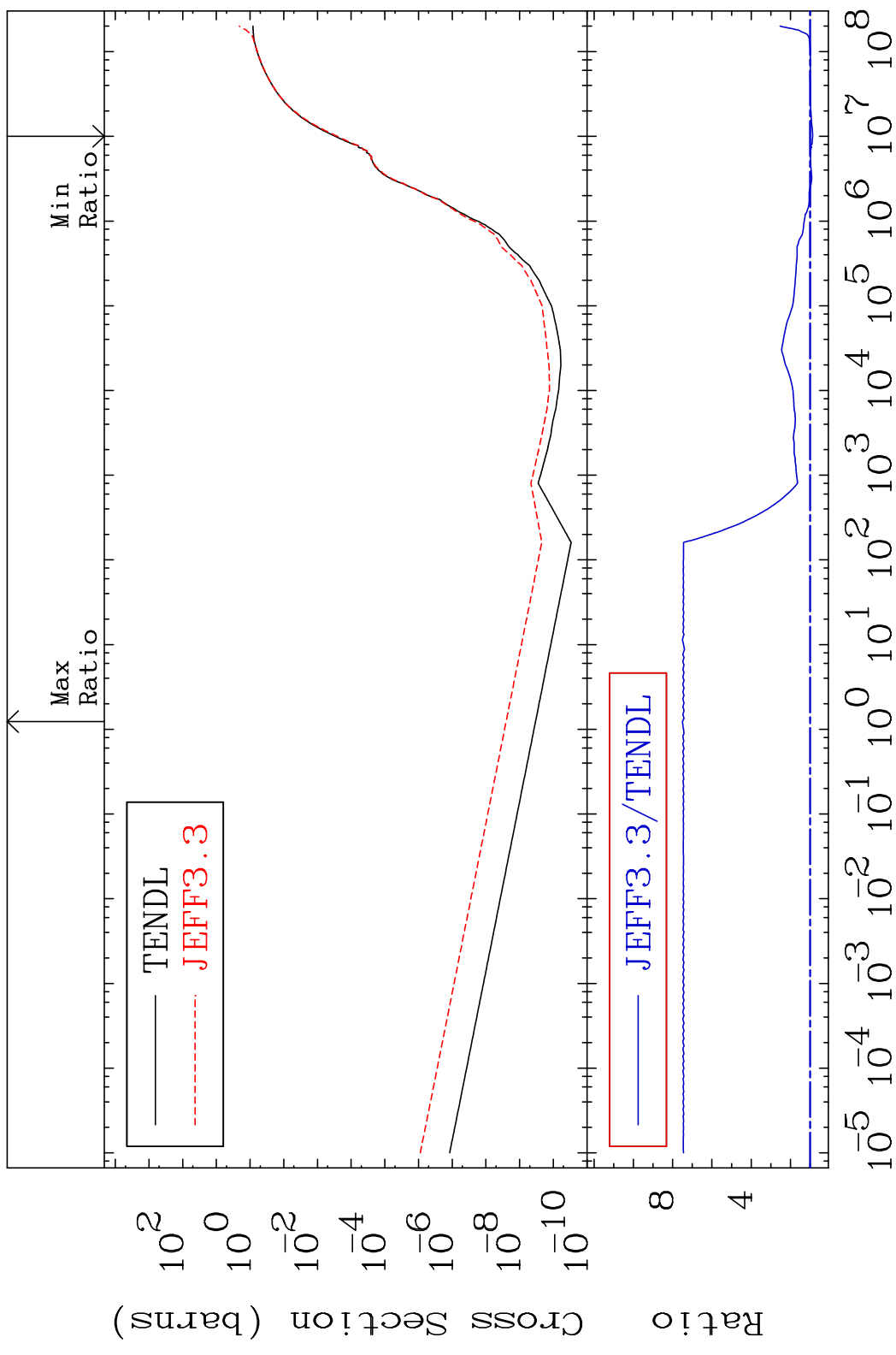
84-Po-209

MAT 8434

Hydrogen Production

84-Po-209

Cross Section -12.48 To 650.5 %



59

Incident Energy (eV)

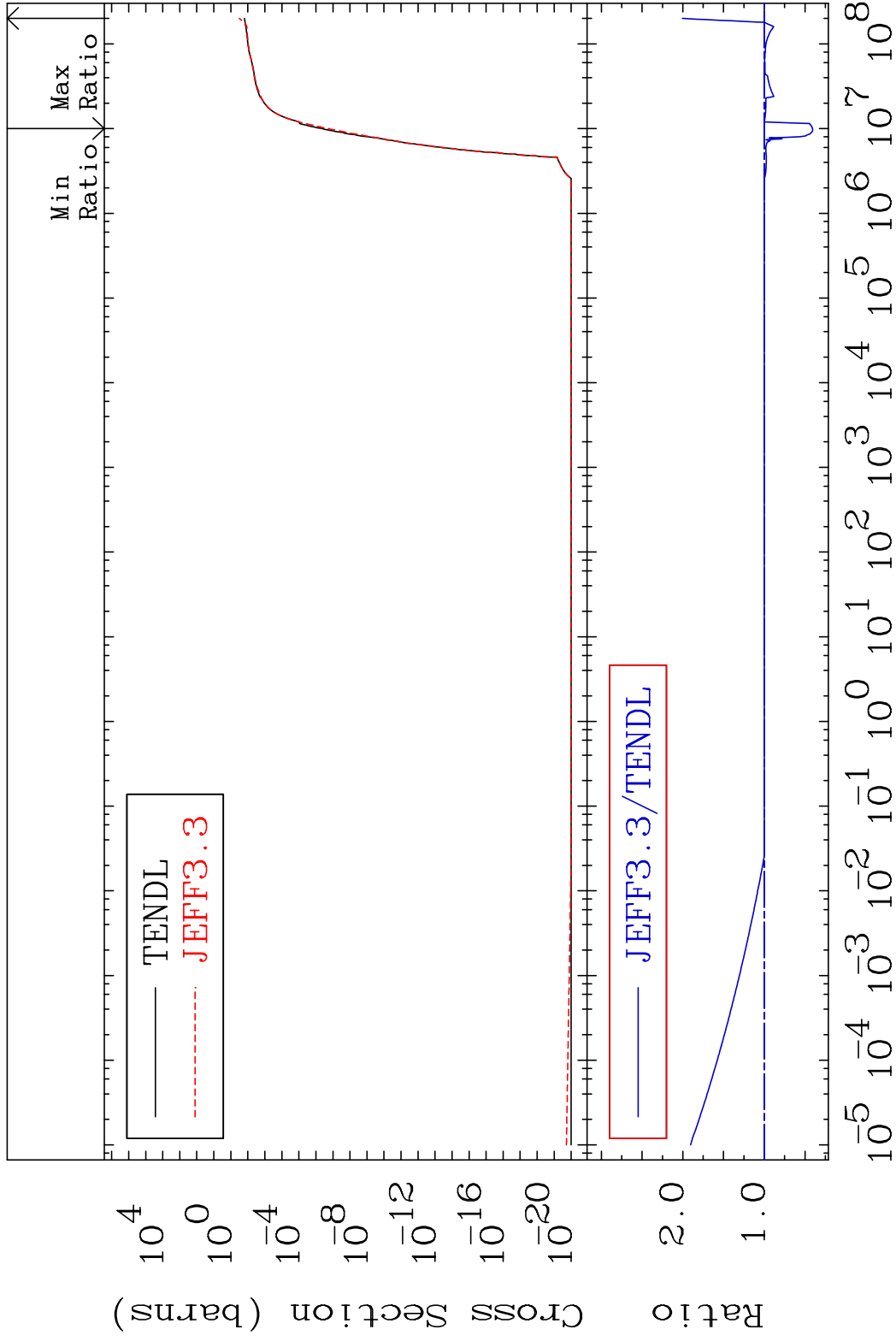
84-Po-209

MAT 8434

Deuterium Production

84-Po-209

Cross Section -59.31 To 100.6 %



60

Incident Energy (eV)

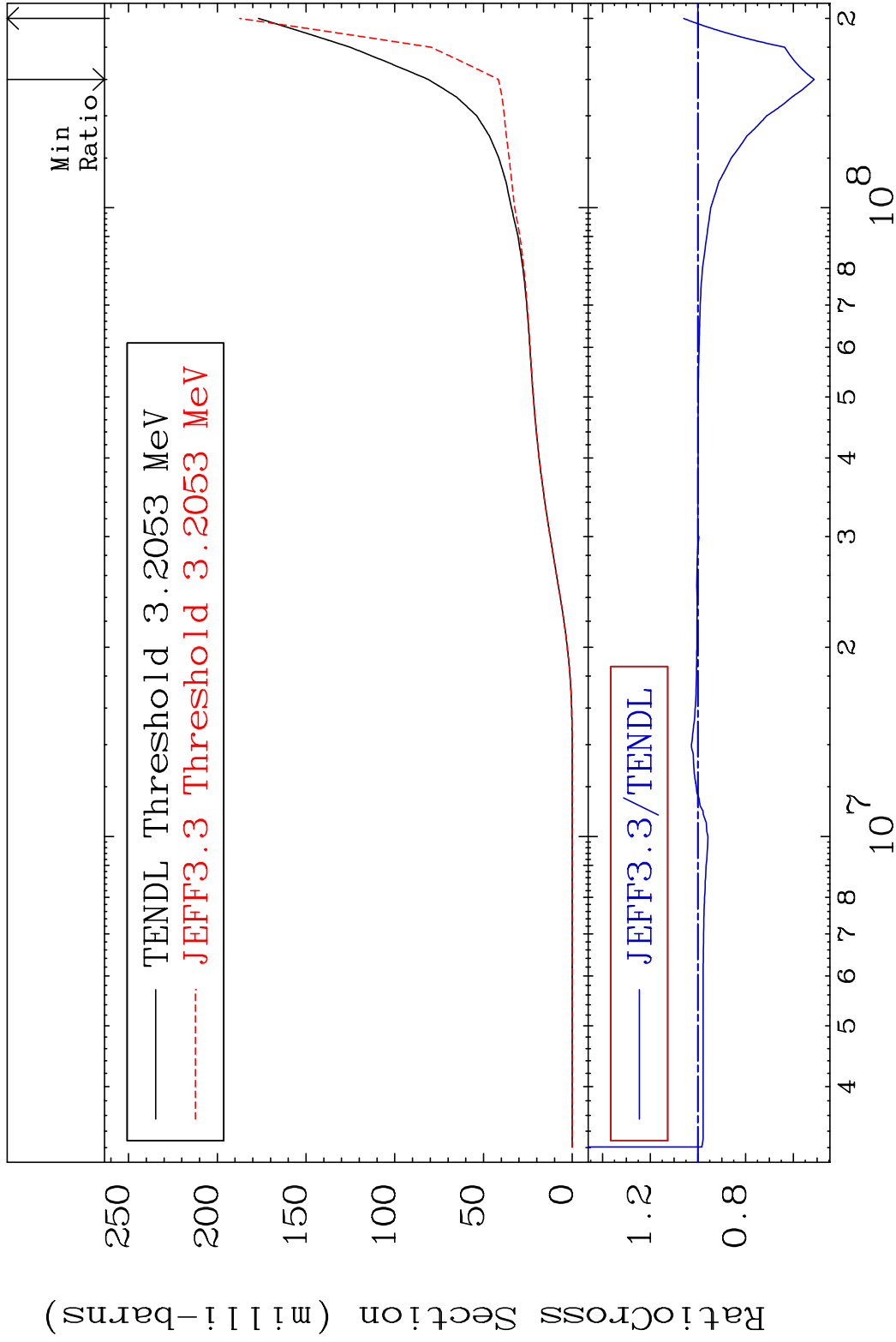
84-Po-209

MAT 8434

Tritium Production

84-Po-209

Cross Section -48.74 To 5.981 %



61

Incident Energy (eV)

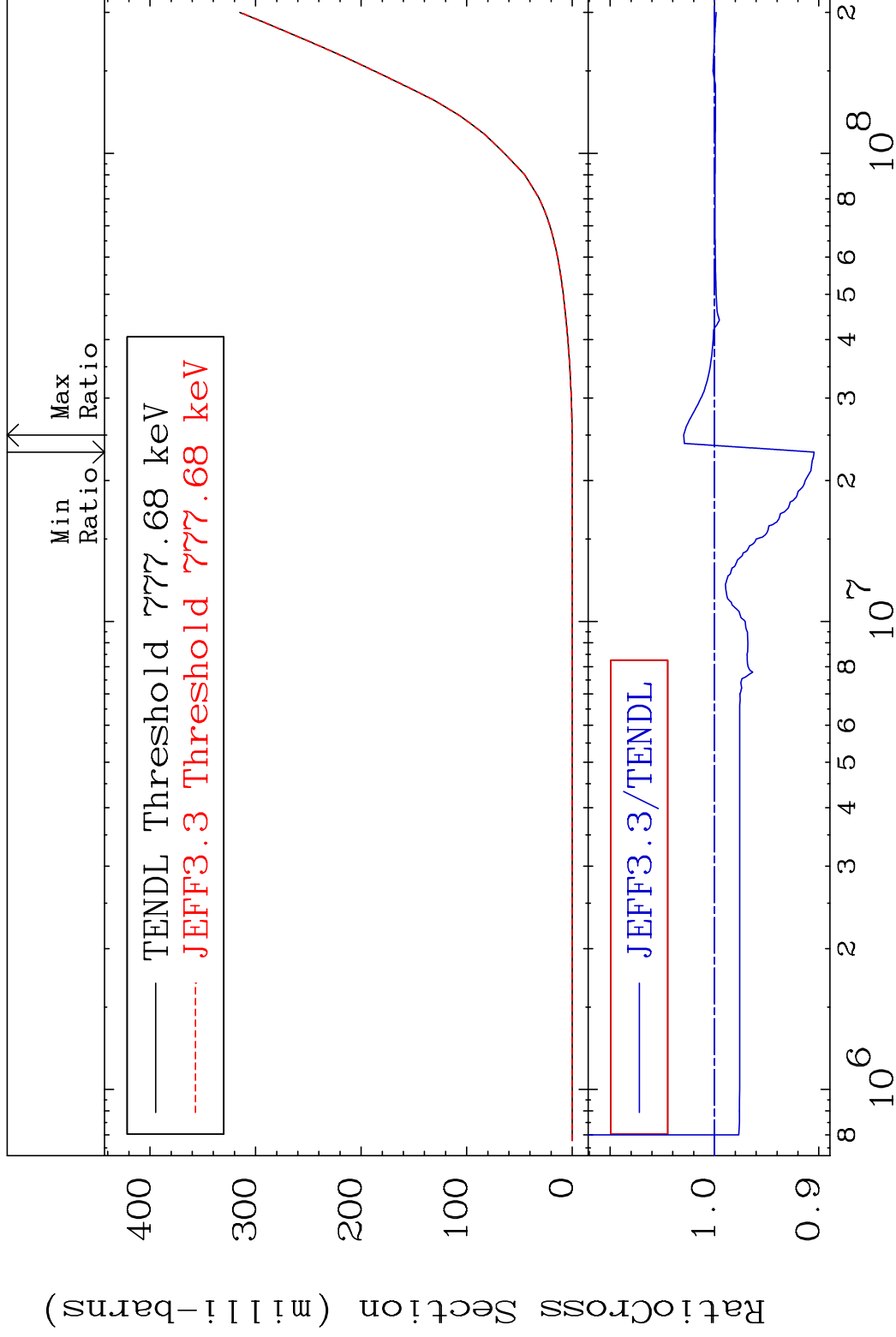
84-Po-209

MAT 8434

He-3 Production

84-Po-209

Cross Section -9.550 To 2.958 %



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Incident Energy (eV)

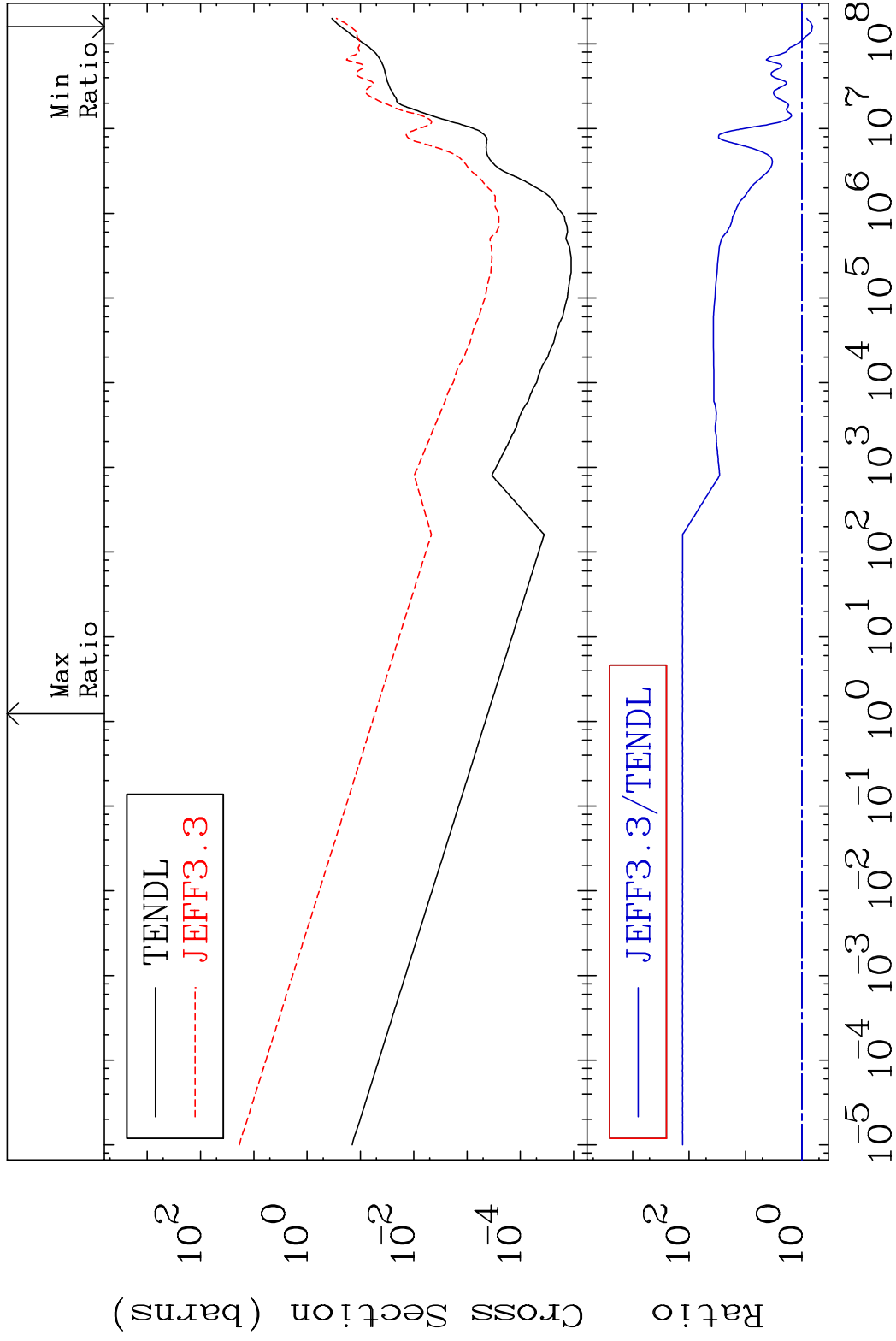
84-Po-209

MAT 8434

He-4 Production

84-Po-209

Cross Section -35.08 To 9999. %



63

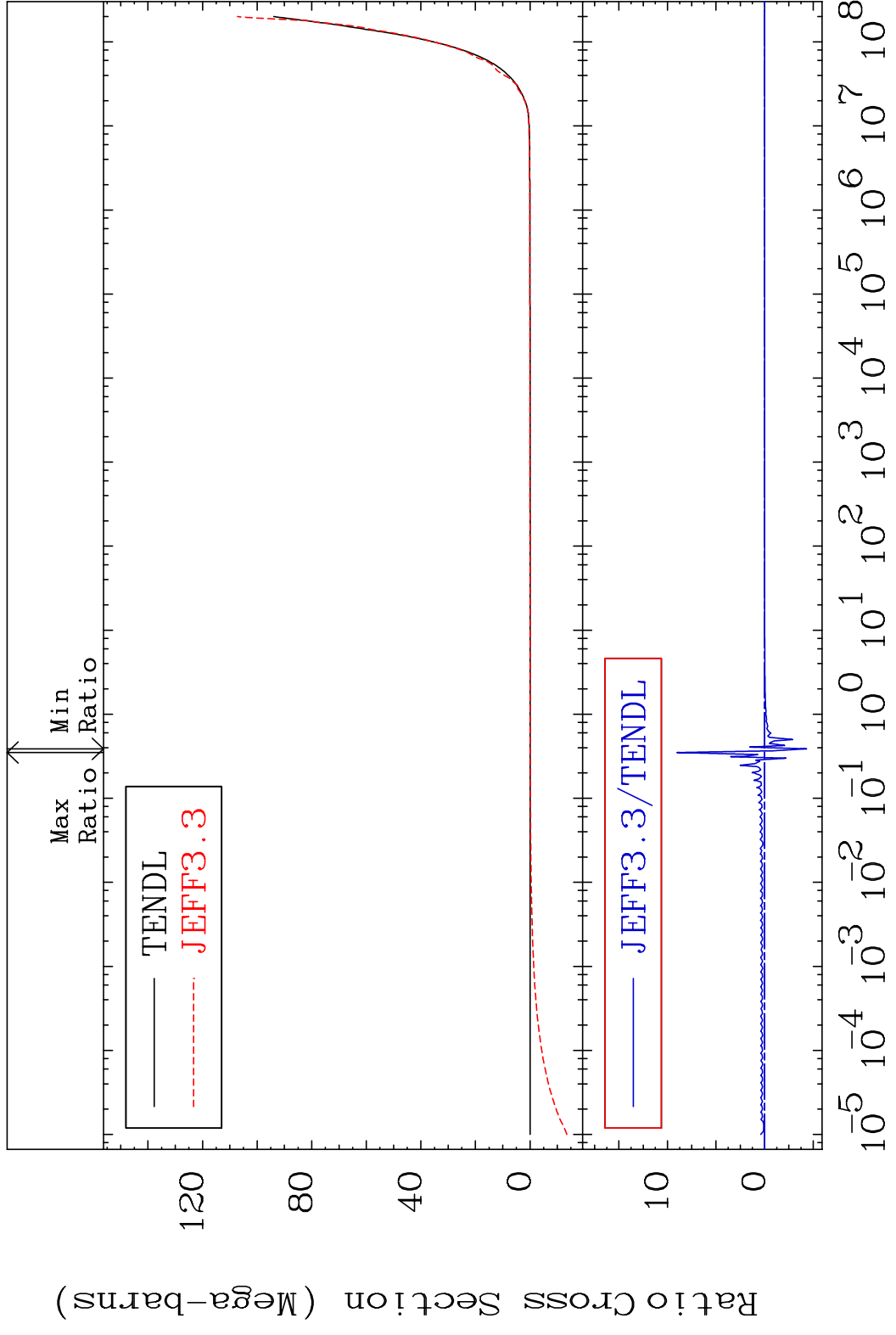
Incident Energy (eV)

84-Po-209



MAT 8434

Kerma total (eV-barns) 84-Po-209  
Cross Section -9999. To 9999. %

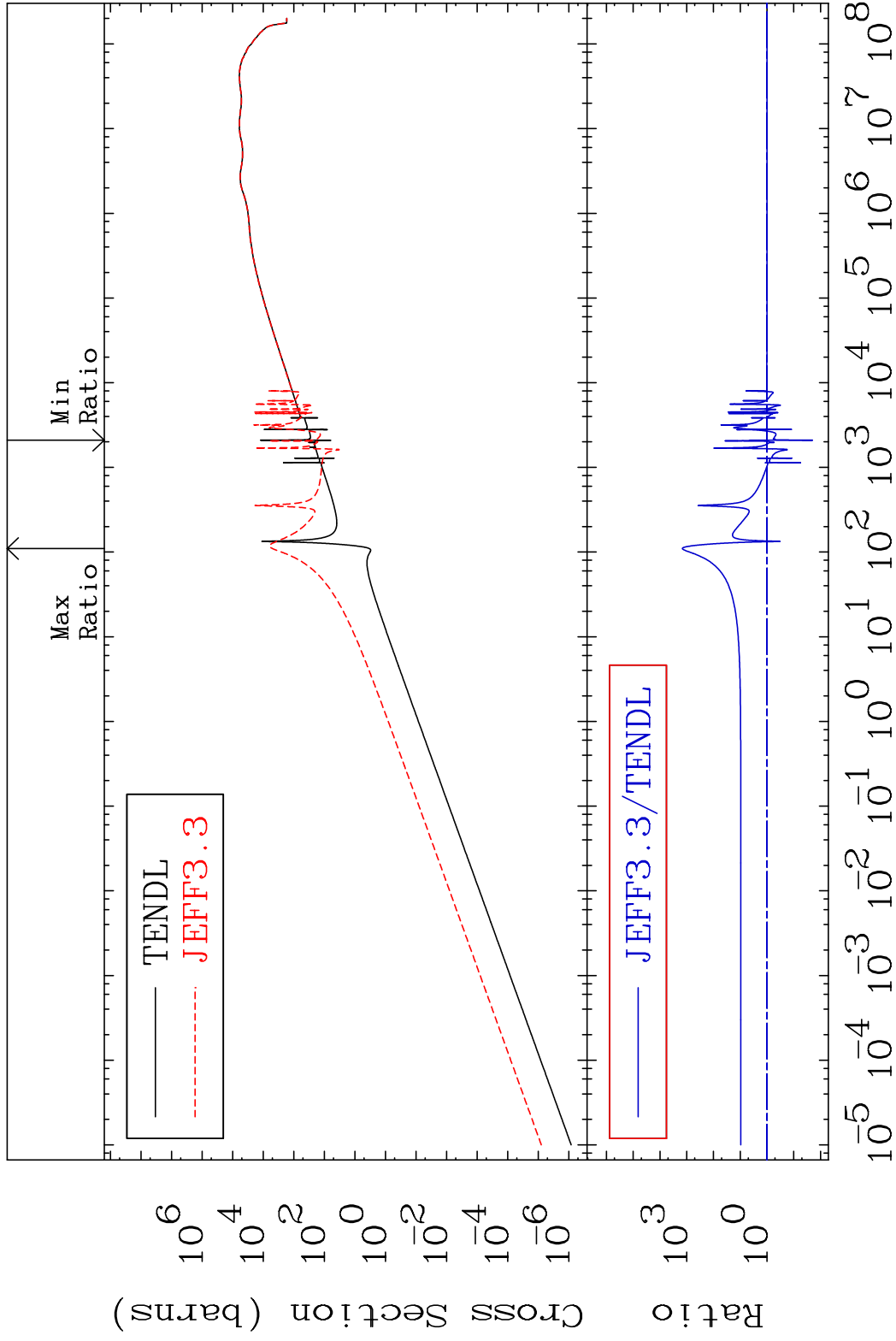


MAT 8434

Kerma elastic

84-Po-209

Cross Section -98.02 To 9999. %

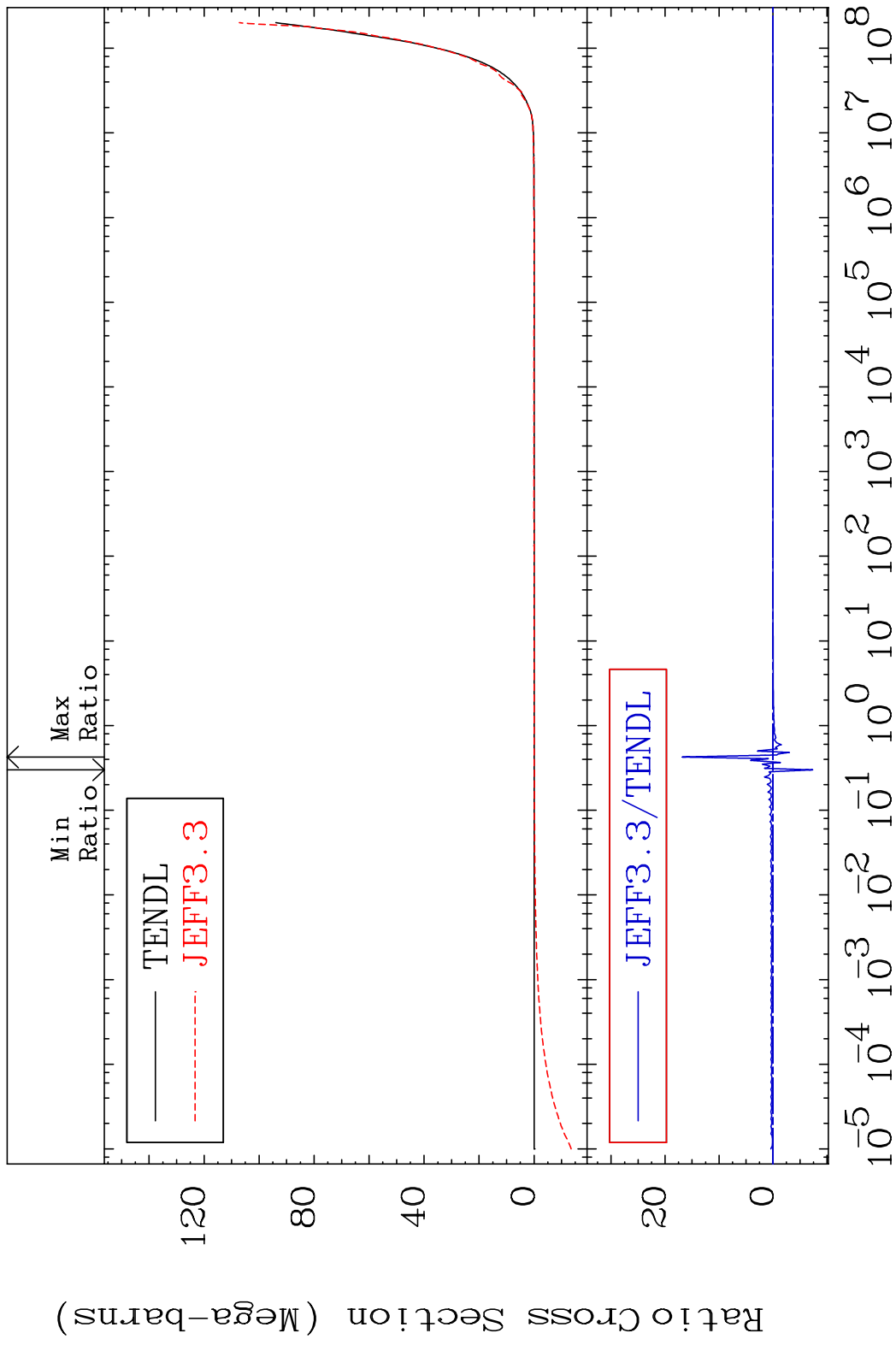


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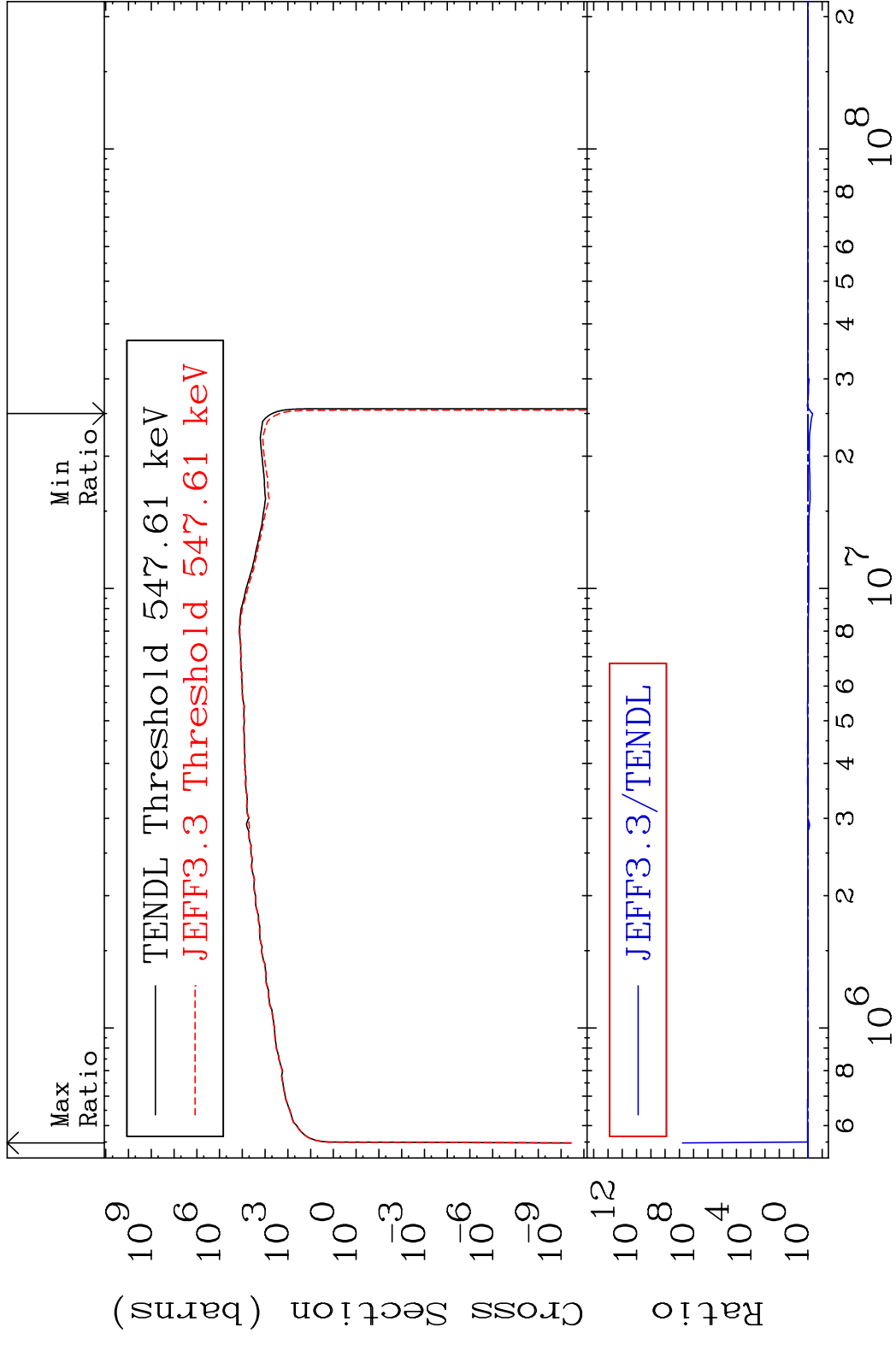
Incident Energy (eV)

84-Po-209

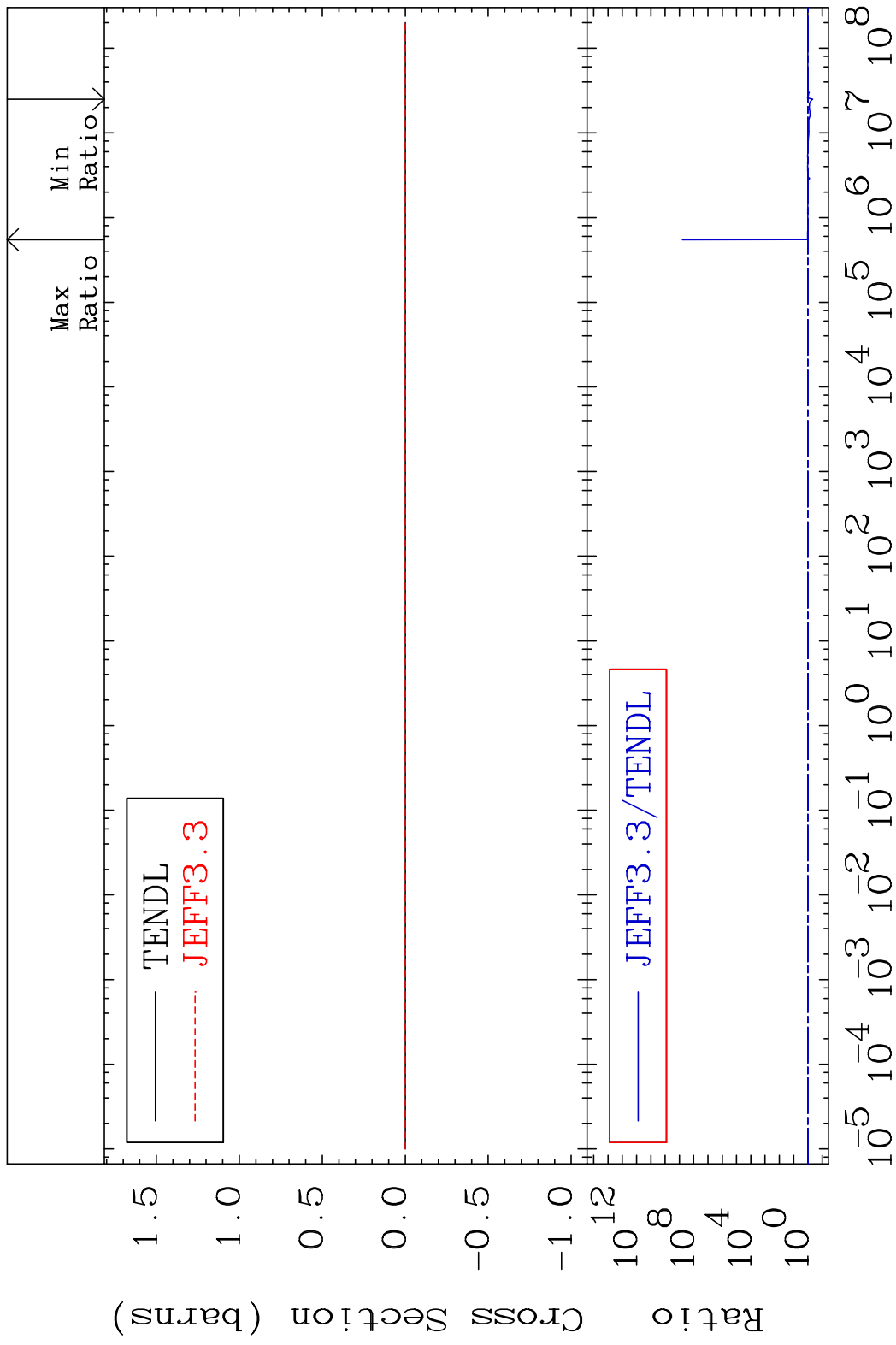
MAT 8434 Kerma non-elastic (all but mt2) 84-Po-209  
Cross Section -9999. To 9999. %



MAT 8434 Kerma inelastic (mt51-91) 84-Po-209  
 Cross Section -53.17 To 9999. %



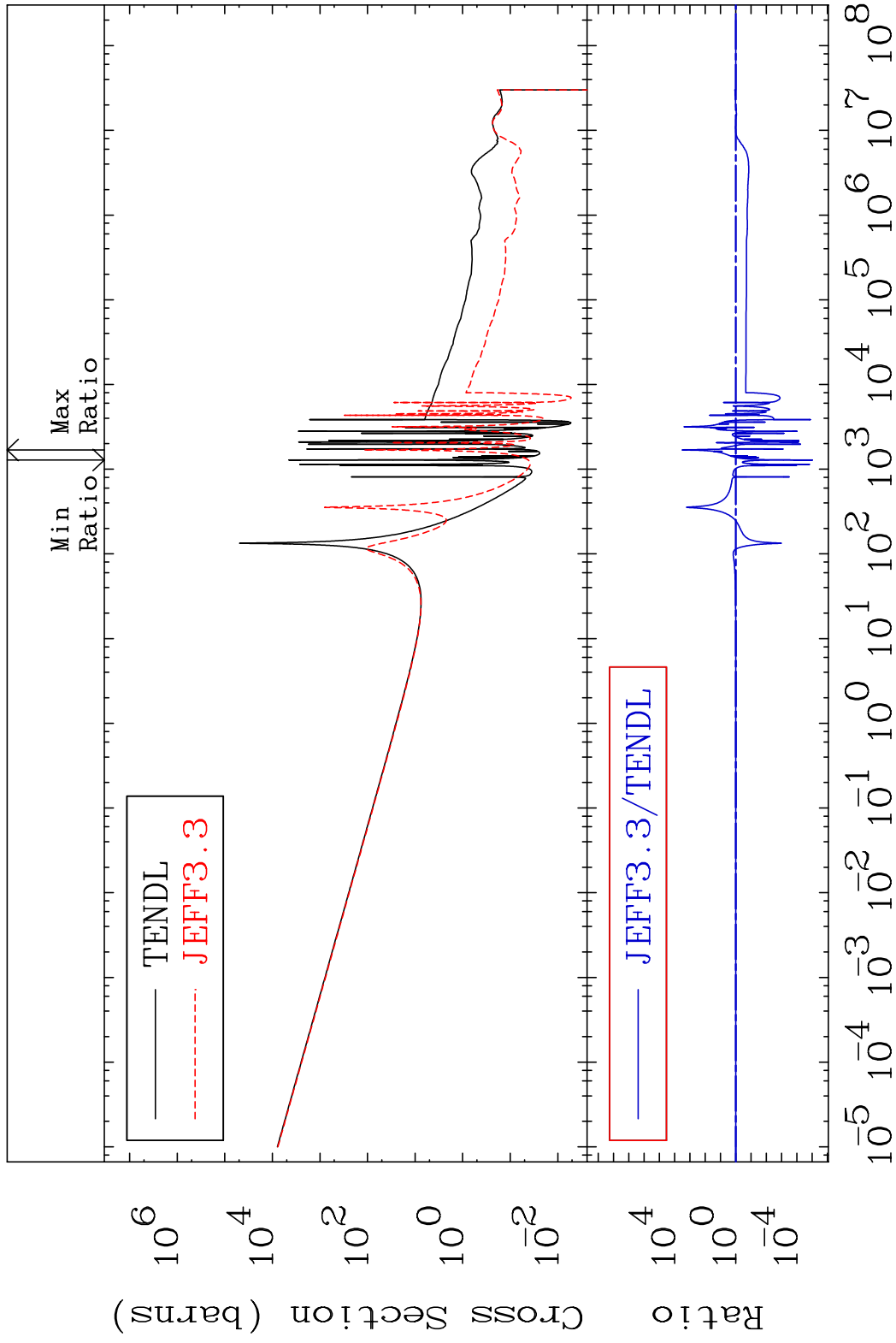
MAT 8434 Kerma fission (mt18 or mt19-20-21-38) 84-Po-209  
 Cross Section -53.17 To 9999. %



MAT 8434

Kerma capture (mt102) 84-Po-209

Cross Section -100.0 To 9999. %

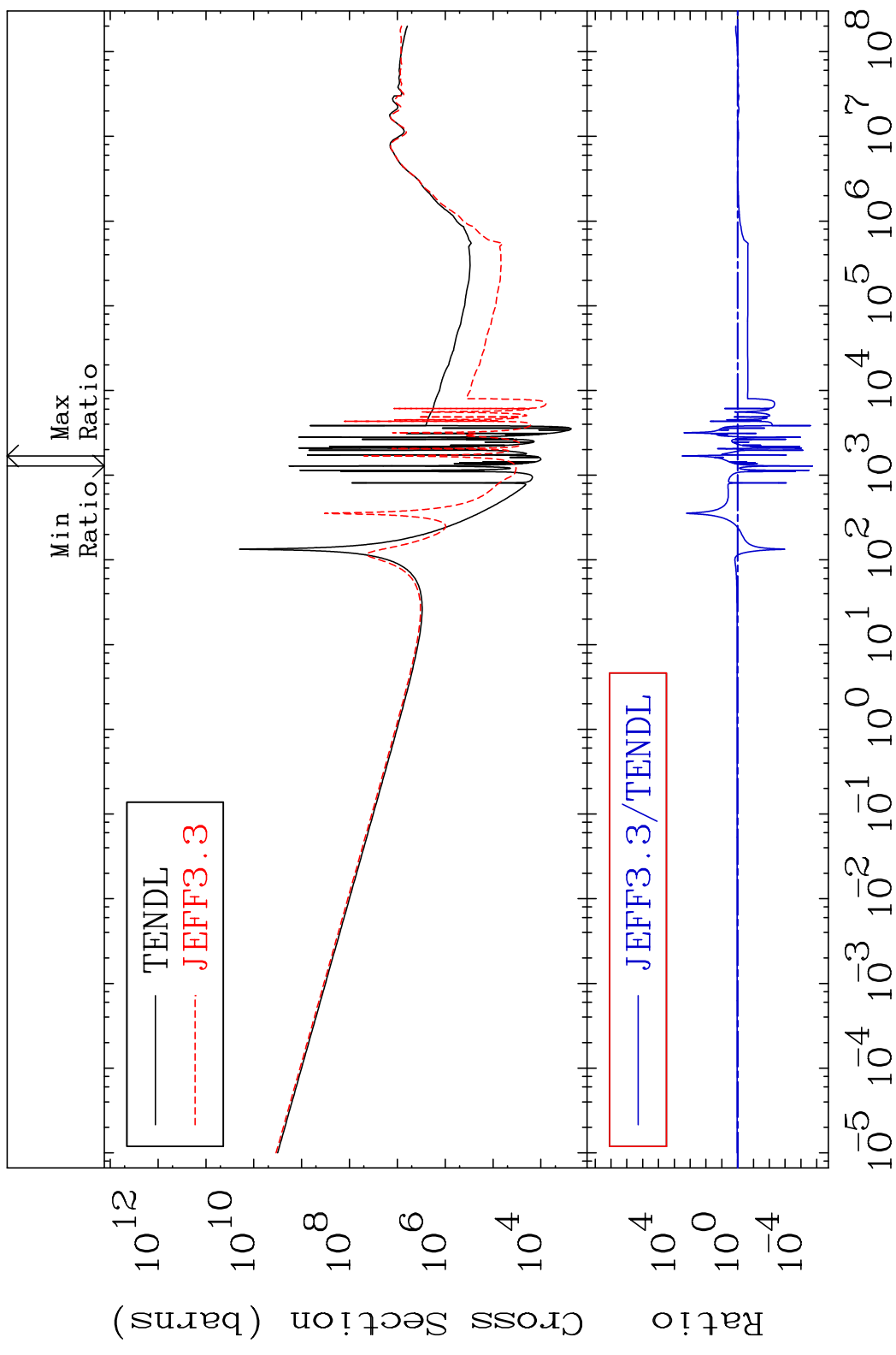


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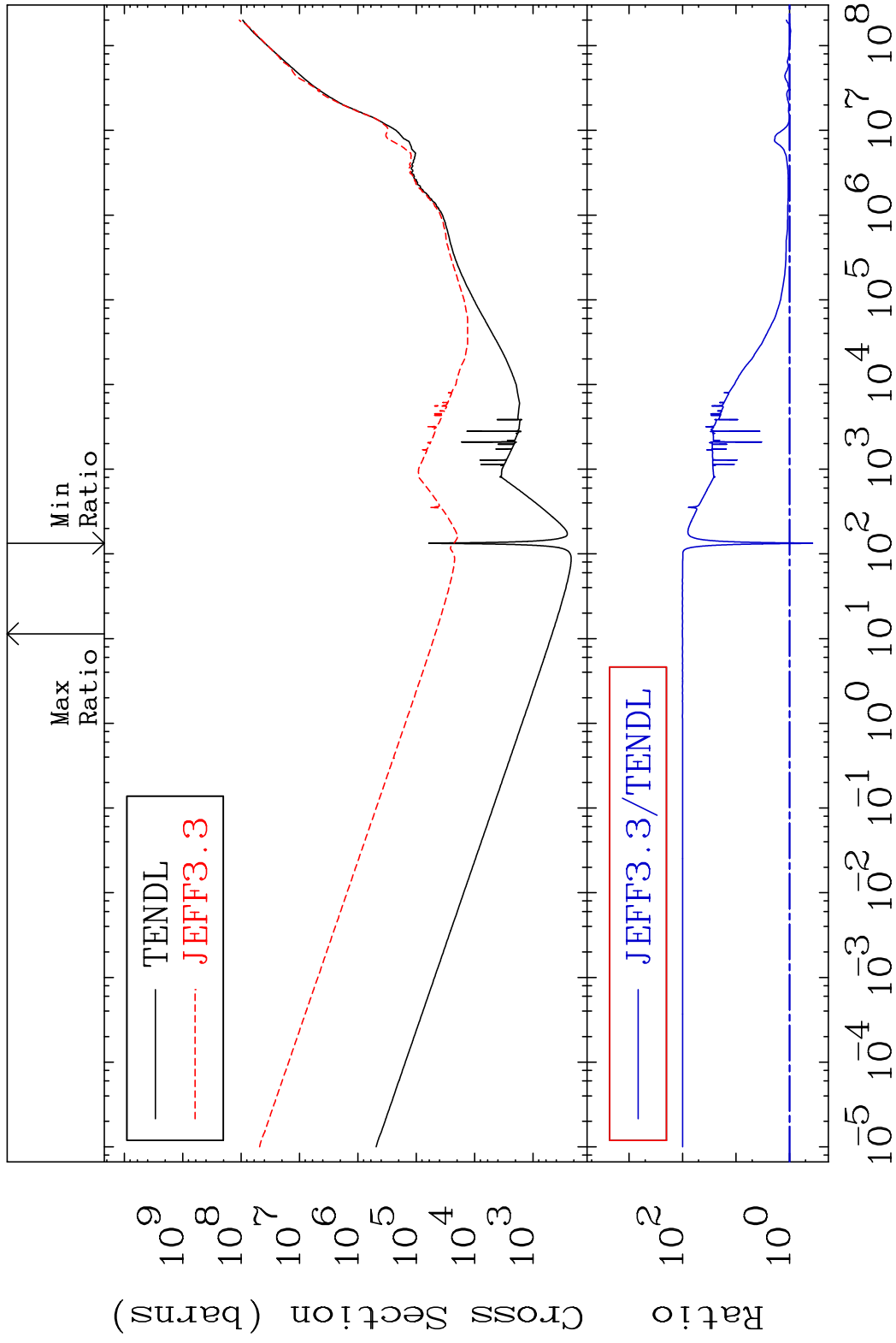
Incident Energy (eV)

84-Po-209

MAT 8434 Total photon (eV-barns) 84-Po-209  
Cross Section -100.0 To 9999. %



MAT 8434 Total kinematic kerma (high limit) 84-Po-209  
 Cross Section -62.87 To 9991. %



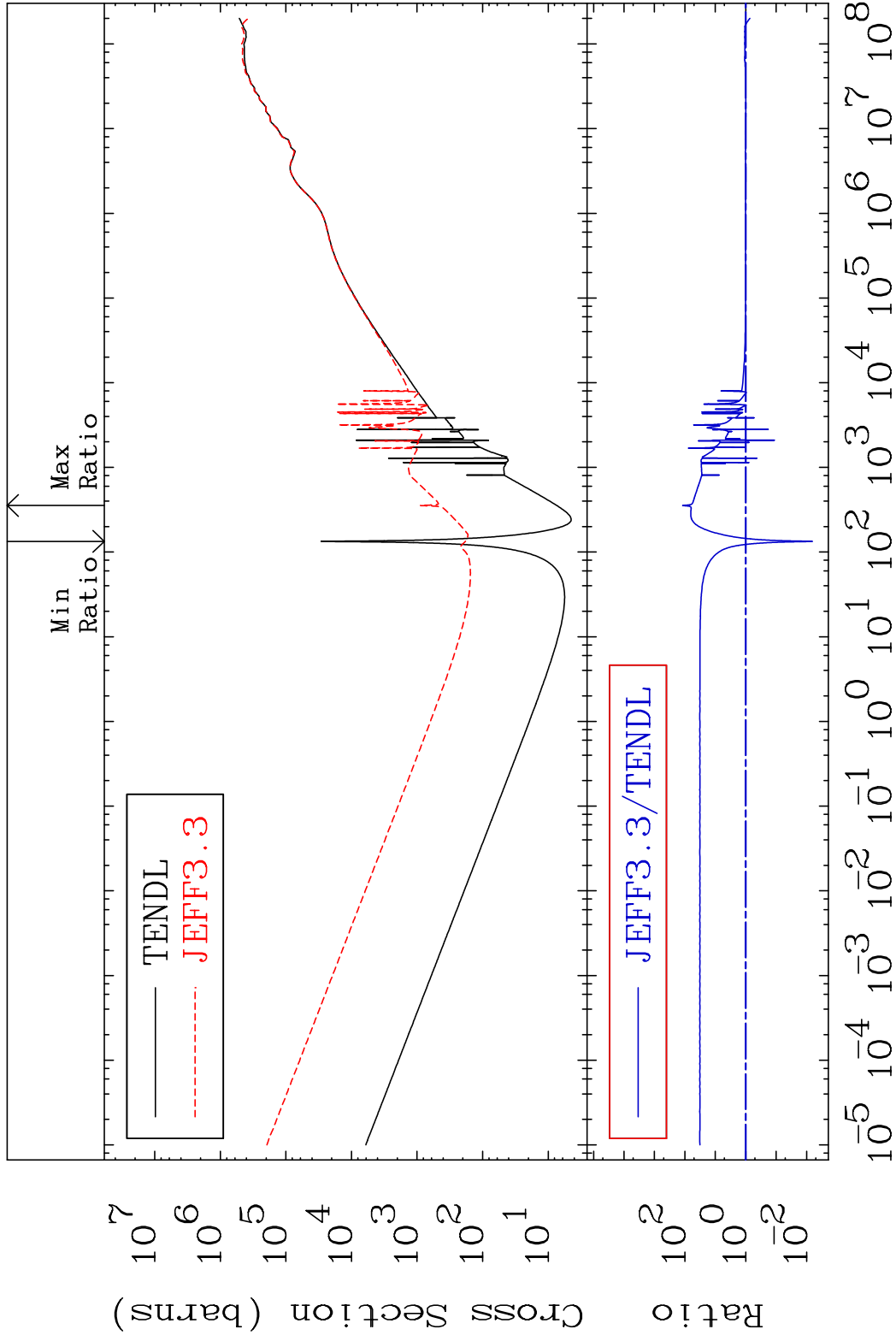


MAT 8434

Dpa total (eV-barns)

84-Po-209

Cross Section -99.36 To 9999. %



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Incident Energy (eV)

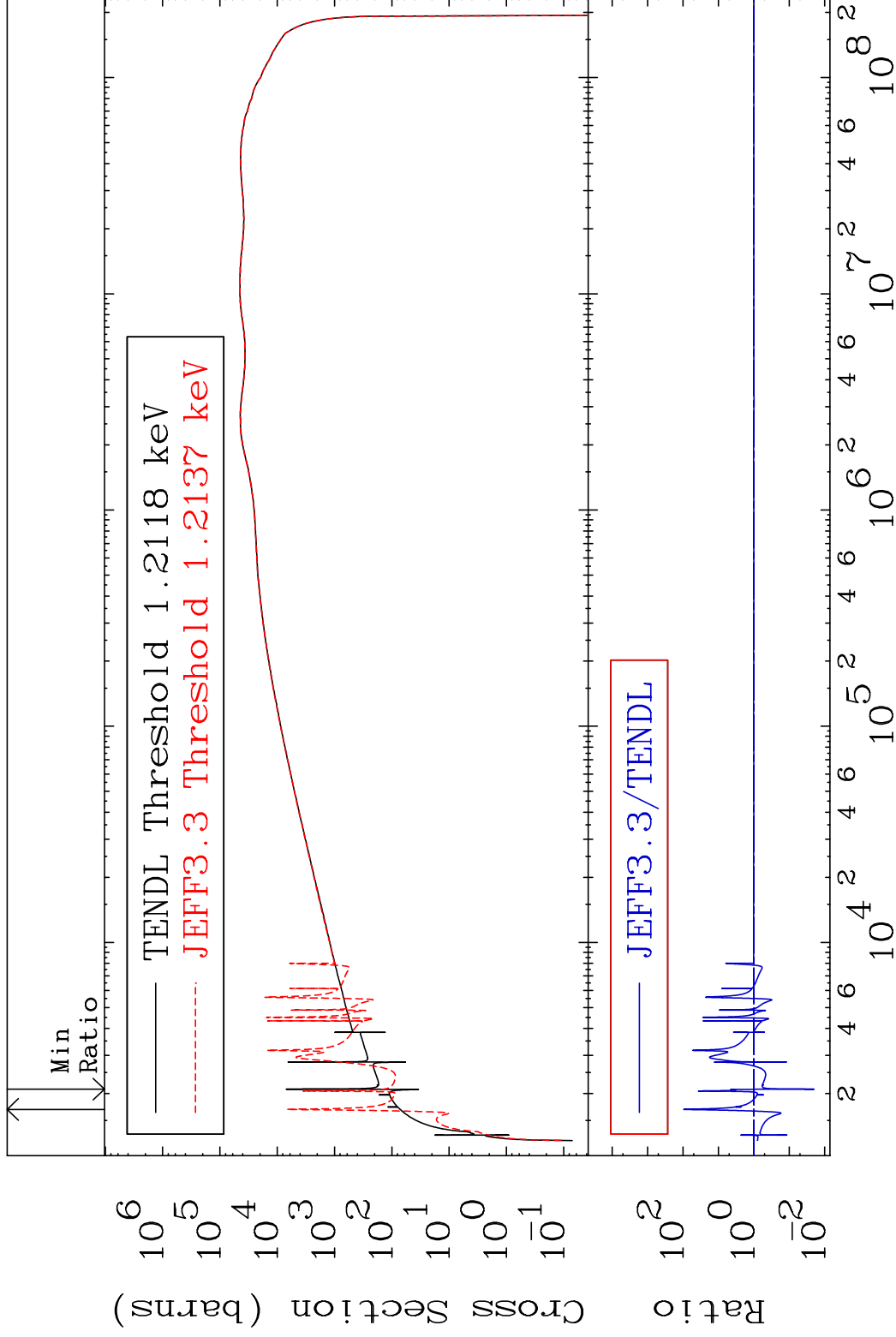
84-Po-209

MAT 8434

Dpa elastic (mt2)

84-Po-209

Cross Section -98.02 To 9488. %

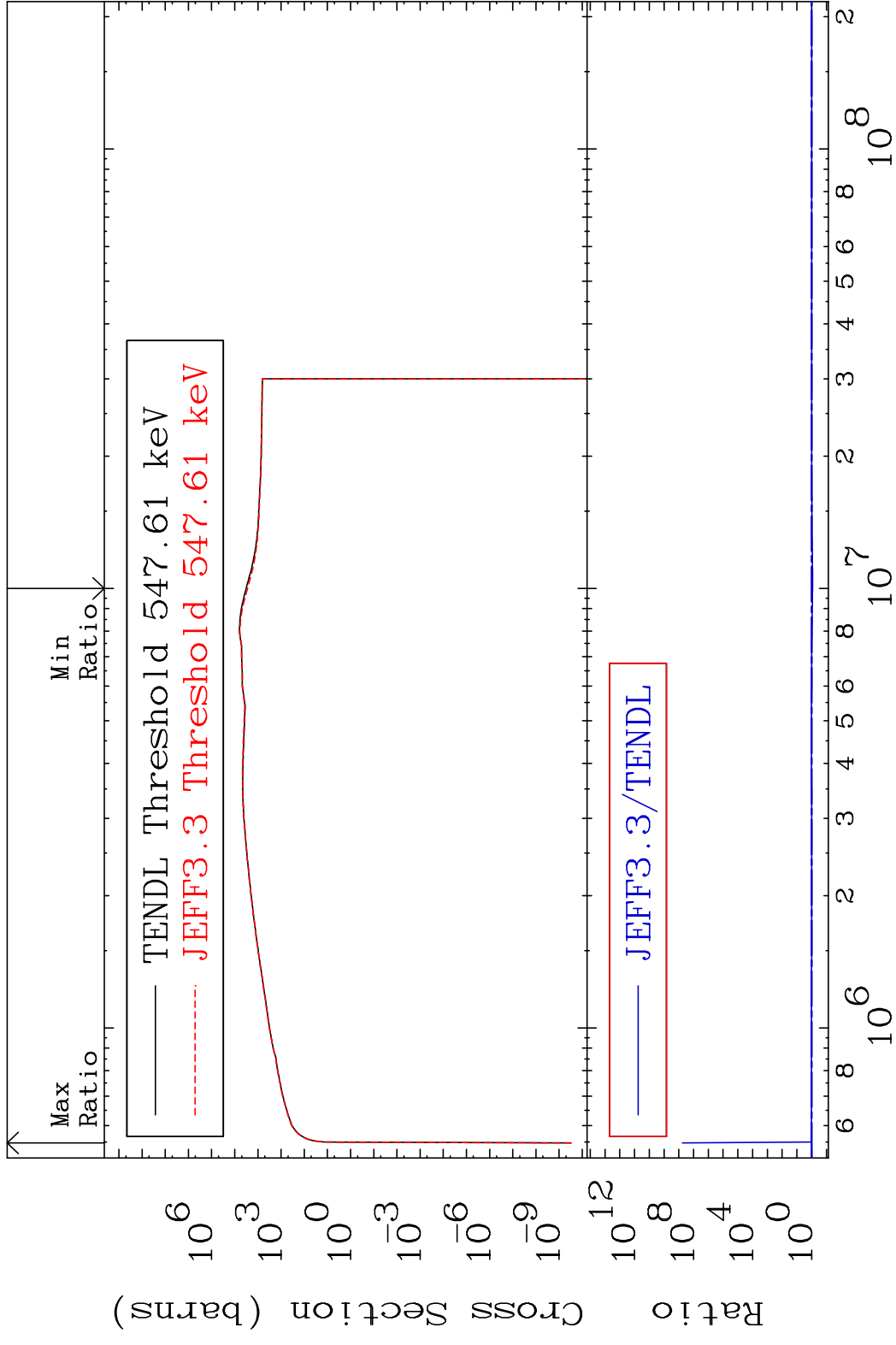


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Incident Energy (eV)

84-Po-209

MAT 8434 Dpa inelastic (mt51-91) 84-Po-209  
 Cross Section -13.02 To 9999. %



MAT 8434 Dpa disappearance (mt102 -120) 84-Po-209  
 Cross Section -99.36 To 9999. %

