

Program Complot
(Version 2021-1)

by

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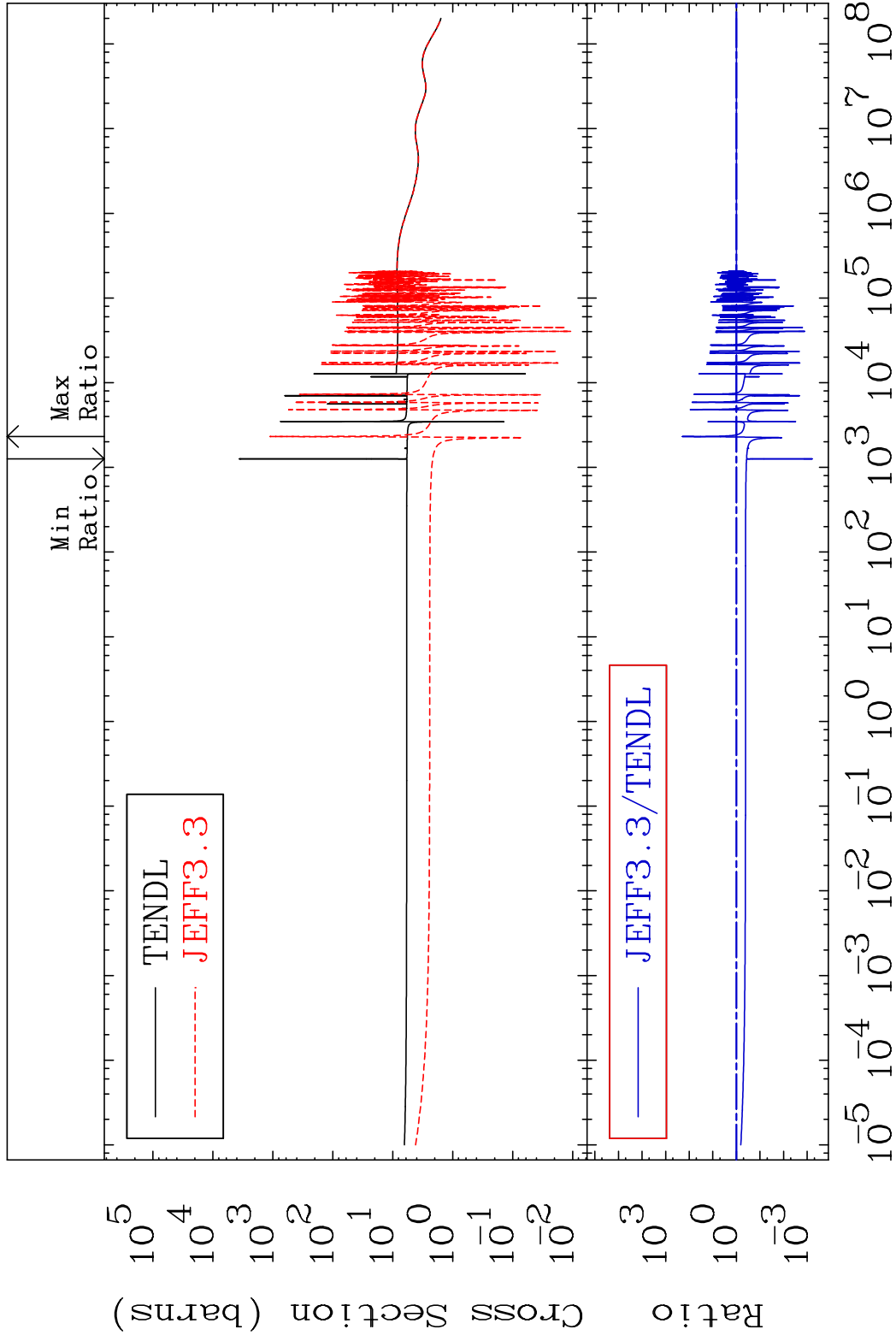
Press Mouse Button to Start

MAT 3843

Total

38-Sr-90

Cross Section -99.94 To 9999. %



1

Incident Energy (eV)

38-Sr-90

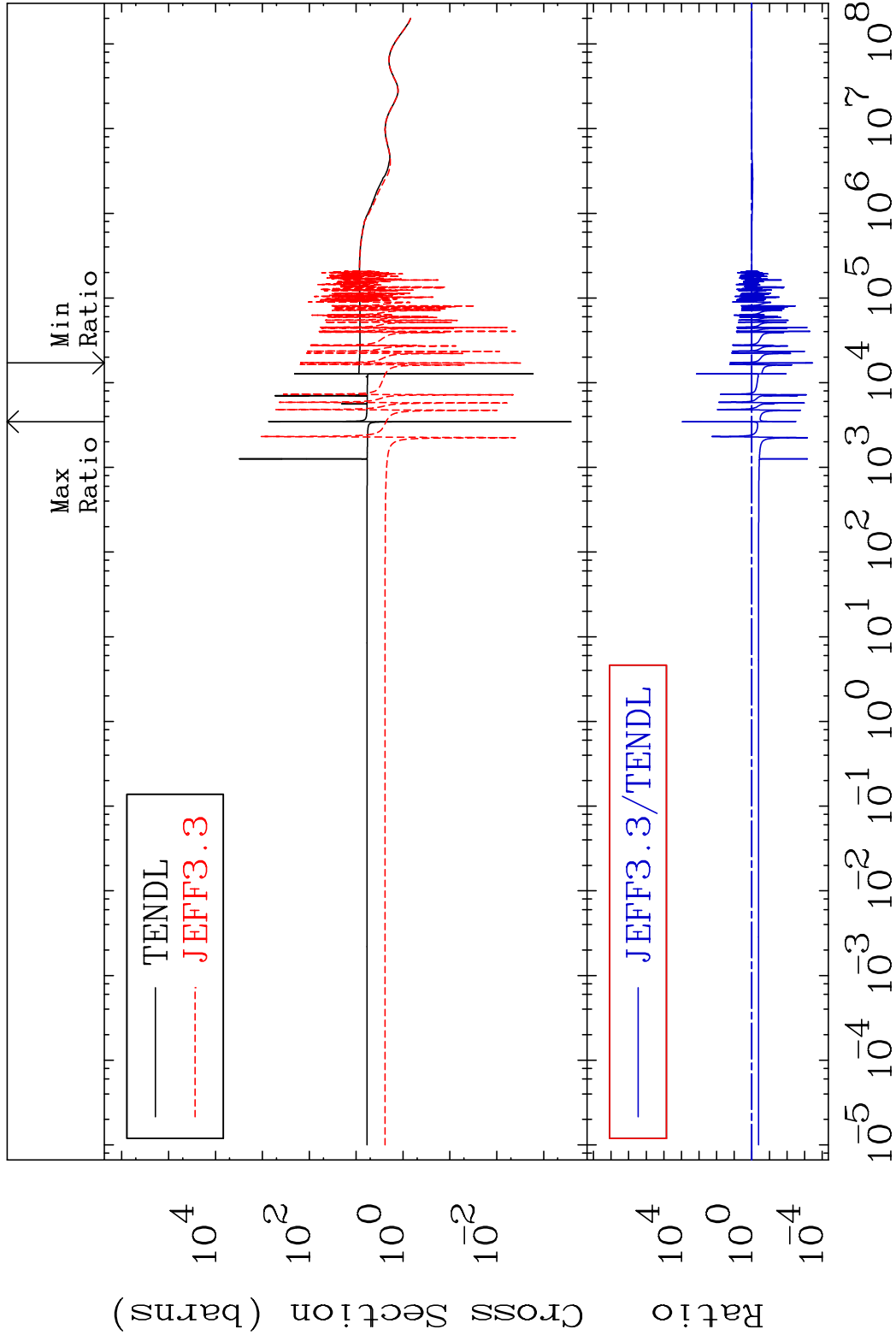
MAT 3843

Elastic

38-Sr-90

Cross Section

-99.96 To 9999. %

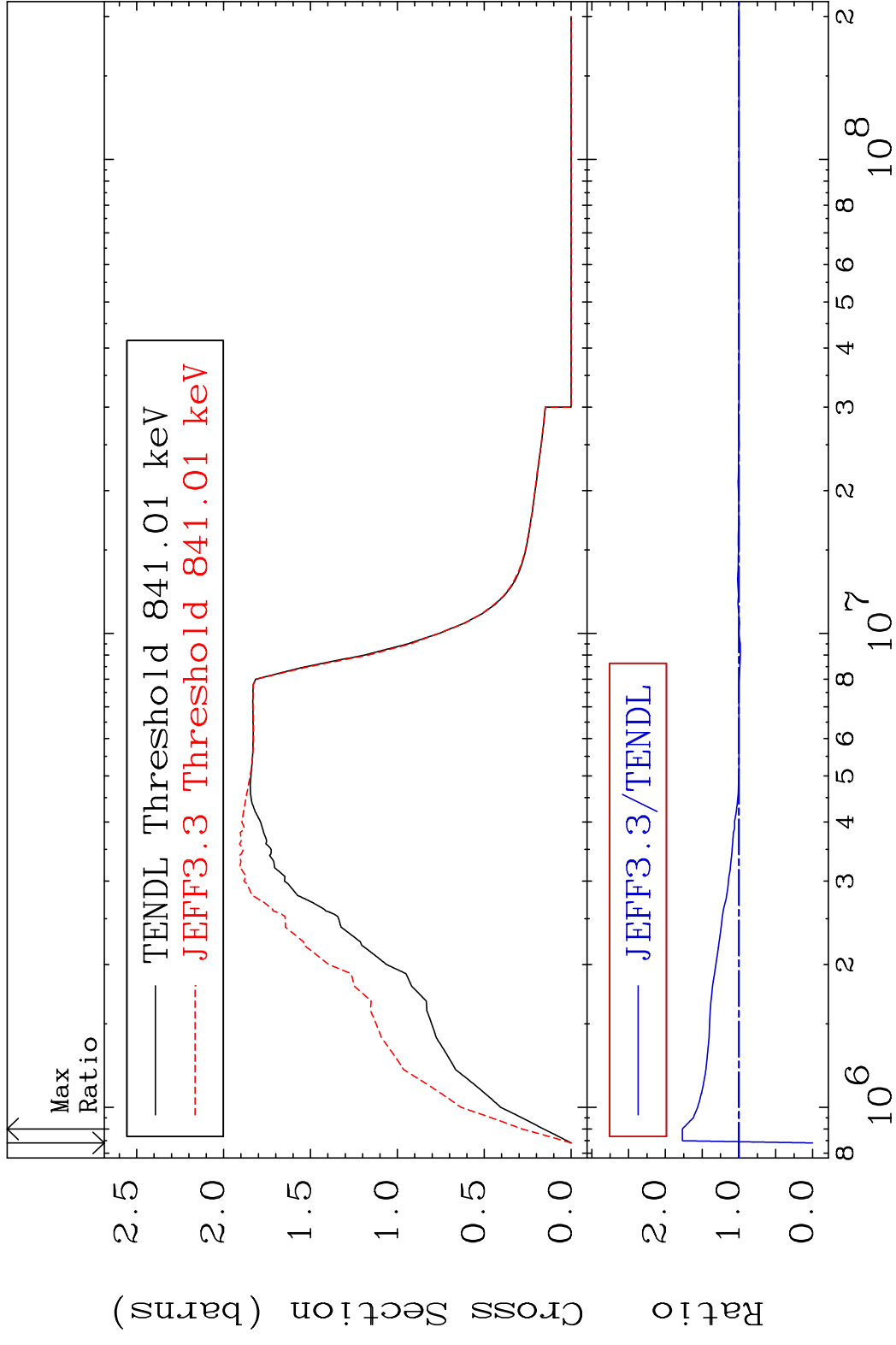


2

Incident Energy (eV)

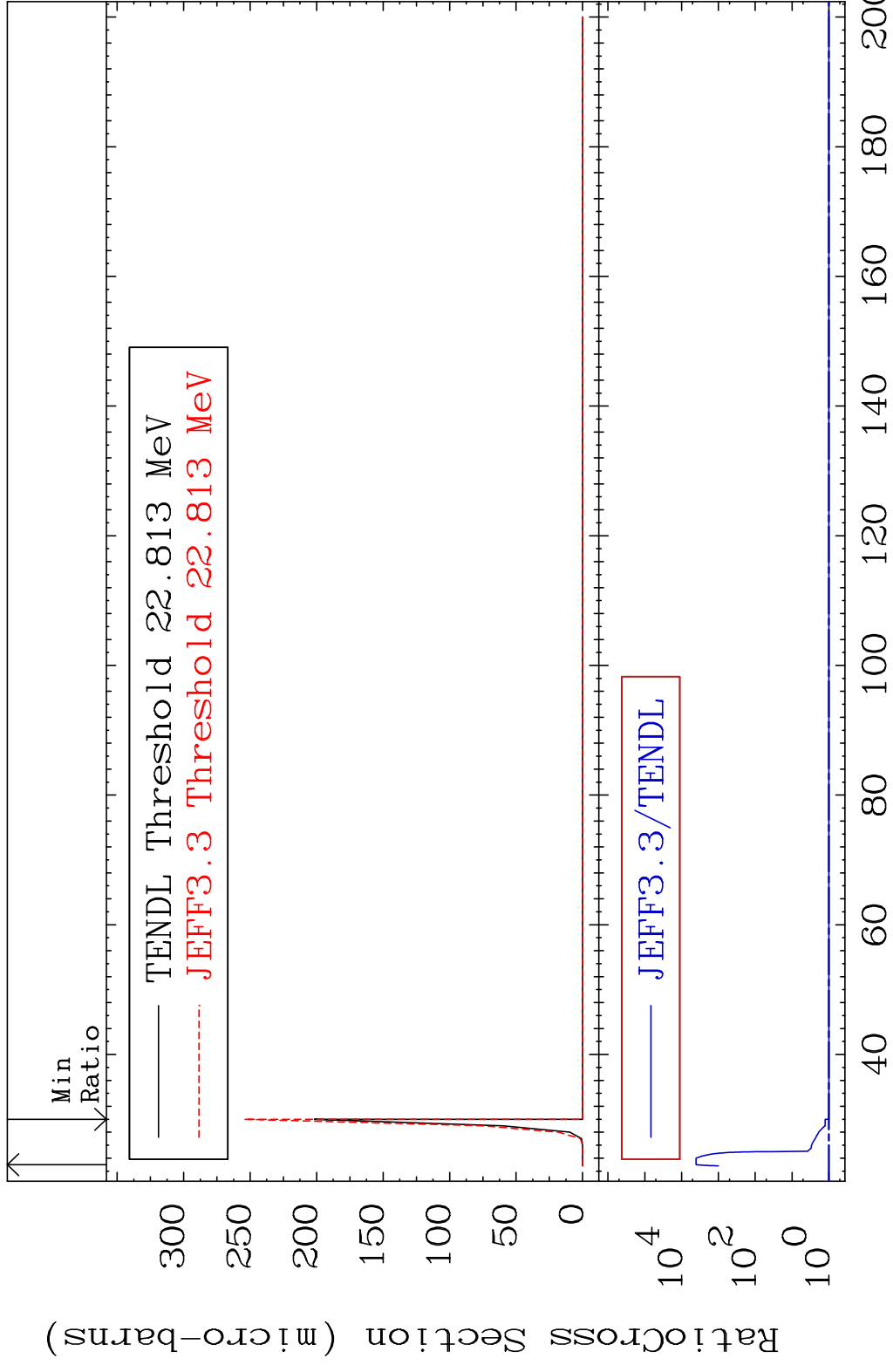
38-Sr-90

MAT 3843 Inelastic 38-Sr-90
 Cross Section -100.0 To 76.92 %



3 Incident Energy (eV) 38-Sr-90

MAT 3843 (n,2n) d 38-Sr-90
 Cross Section 0.000 To 9999. %

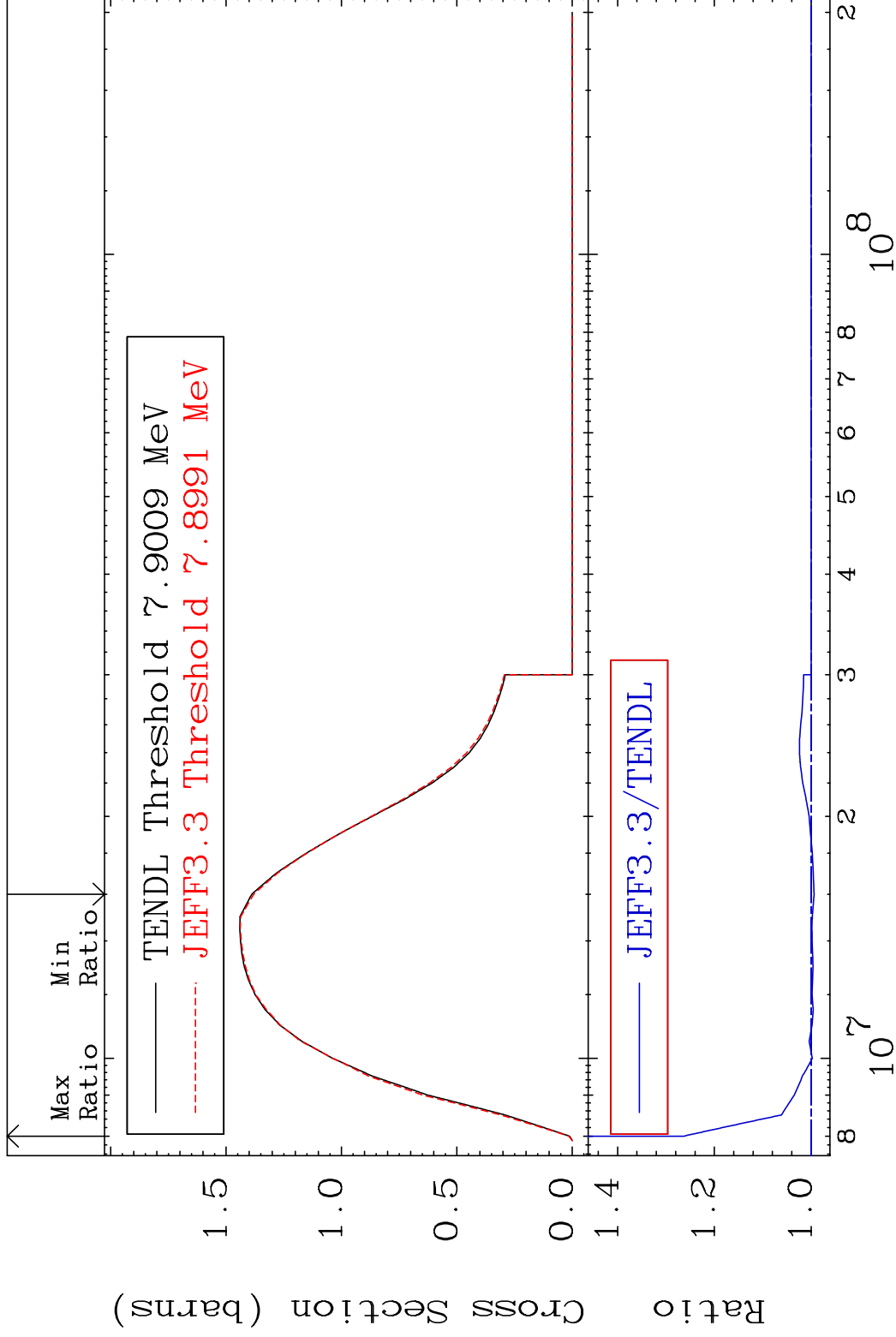


MAT 3843

(n,2n)

38-Sr-90

Cross Section -0.609 To 26.35 %



5

Incident Energy (eV)

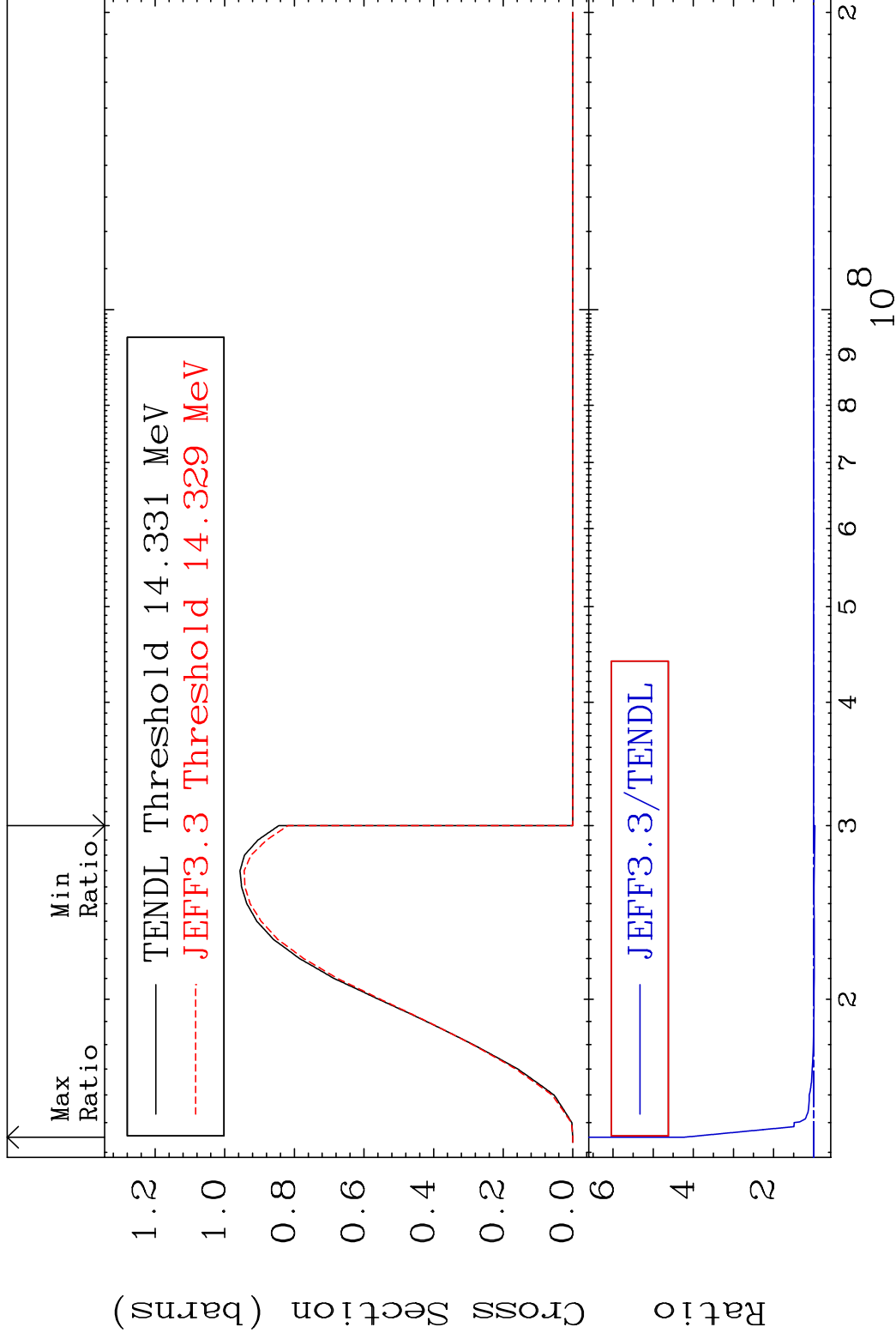
38-Sr-90

MAT 3843

(n,3n)

38-Sr-90

Cross Section -3.097 To 322.4 %



6

Incident Energy (eV)

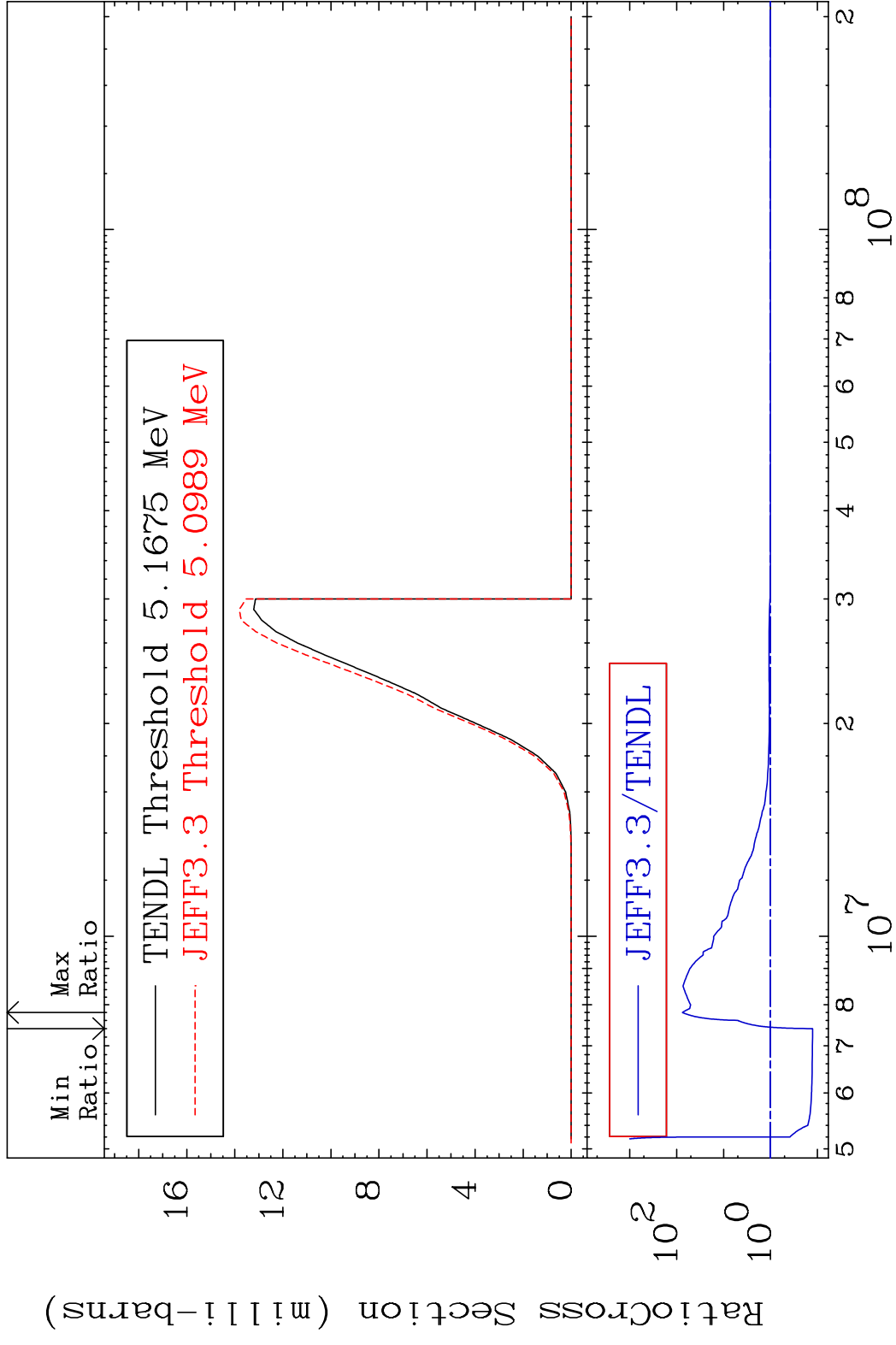
38-Sr-90

MAT 3843

(n, n') α

38-Sr-90

Cross Section -87.31 To 7470. %

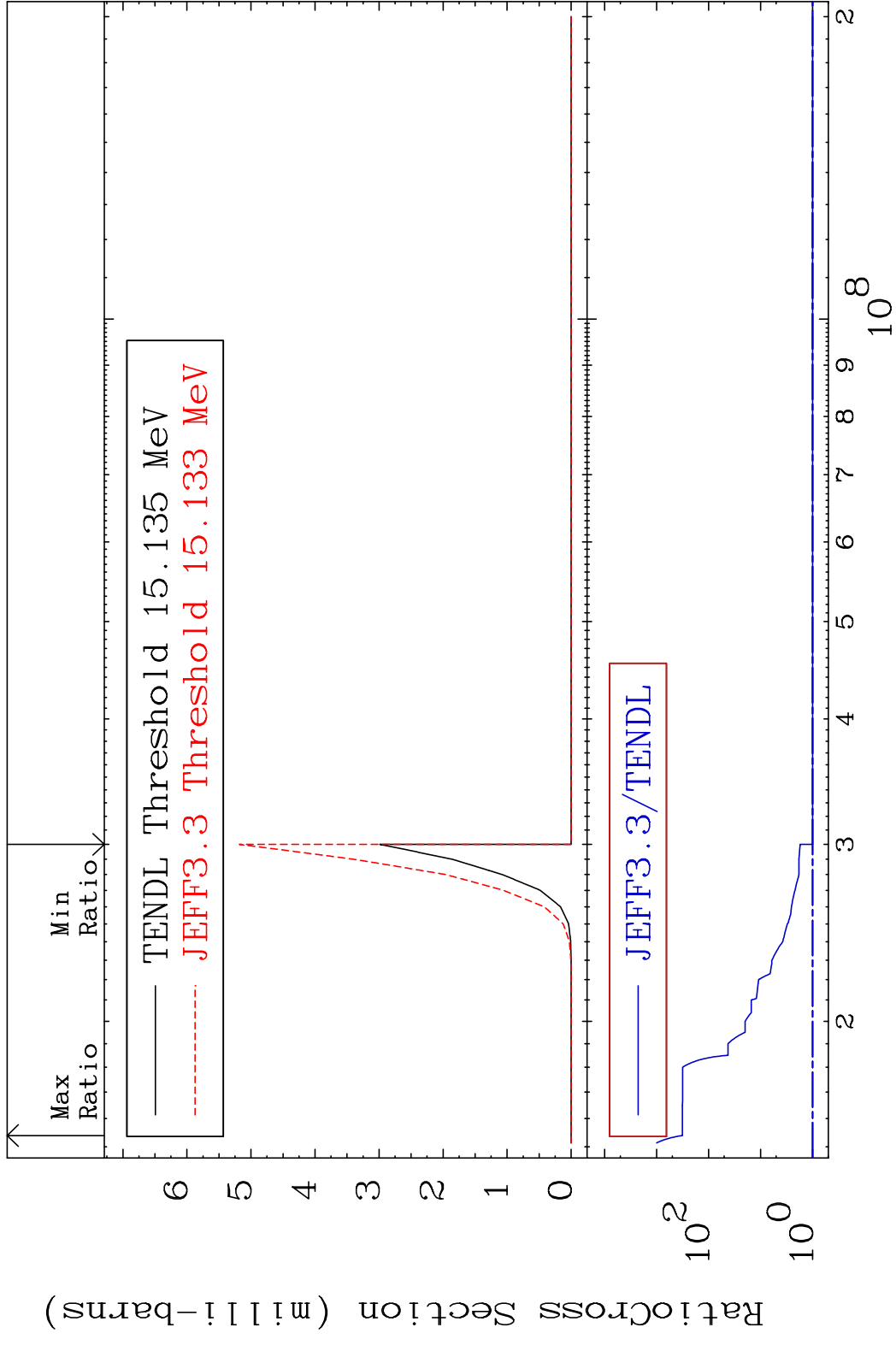


7

Incident Energy (eV)

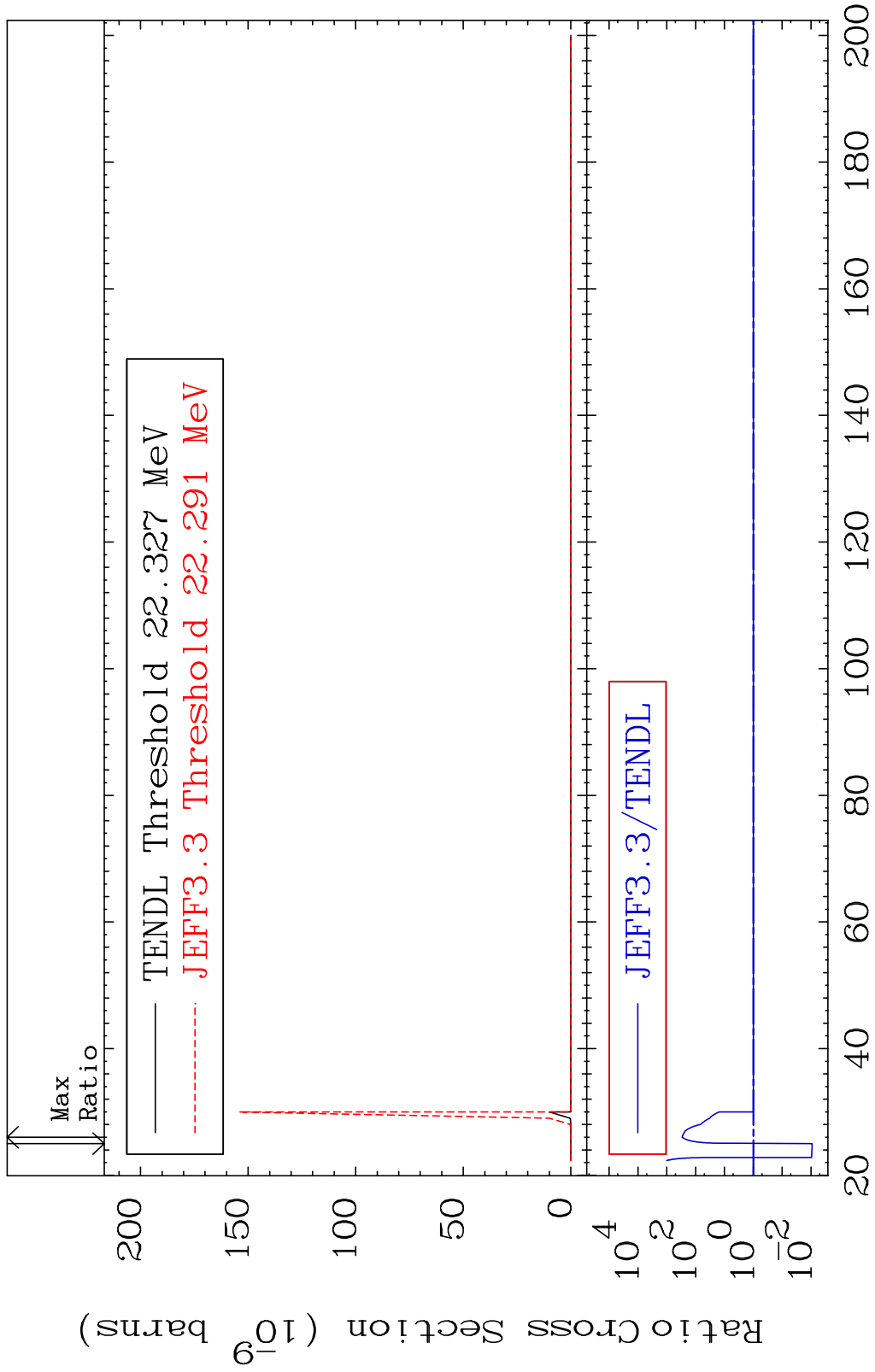
38-Sr-90

MAT 3843 (n,2n) α 38-Sr-90
 Cross Section 0.000 To 9999. %



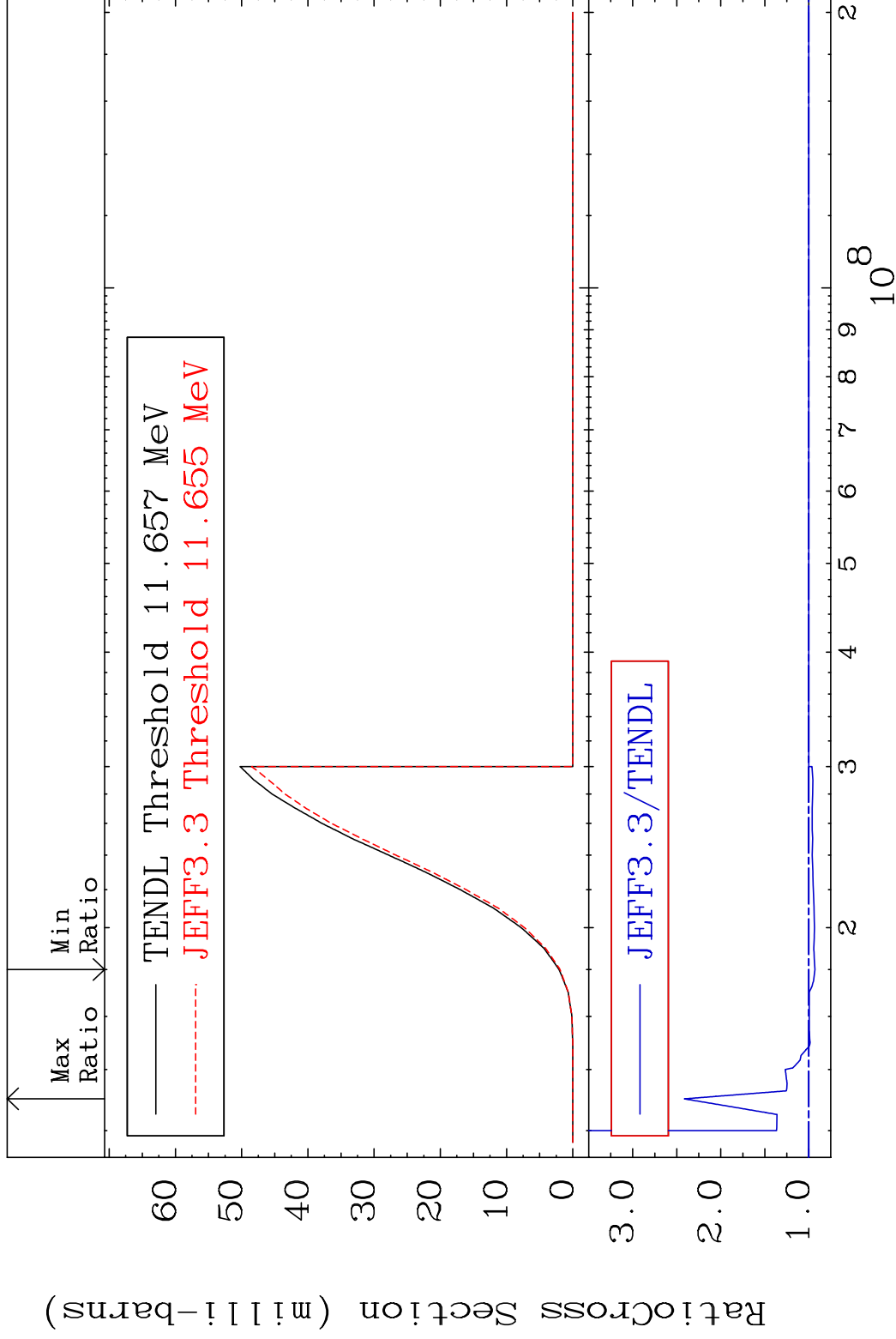
8 8 38-Sr-90

MAT 3843 (n,3n) α 38-Sr-90
 Cross Section -99.08 To 9999. %



MAT 3843

(n, n') p 38-Sr-90
Cross Section -6.867 To 141.4 %



10

Incident Energy (eV)

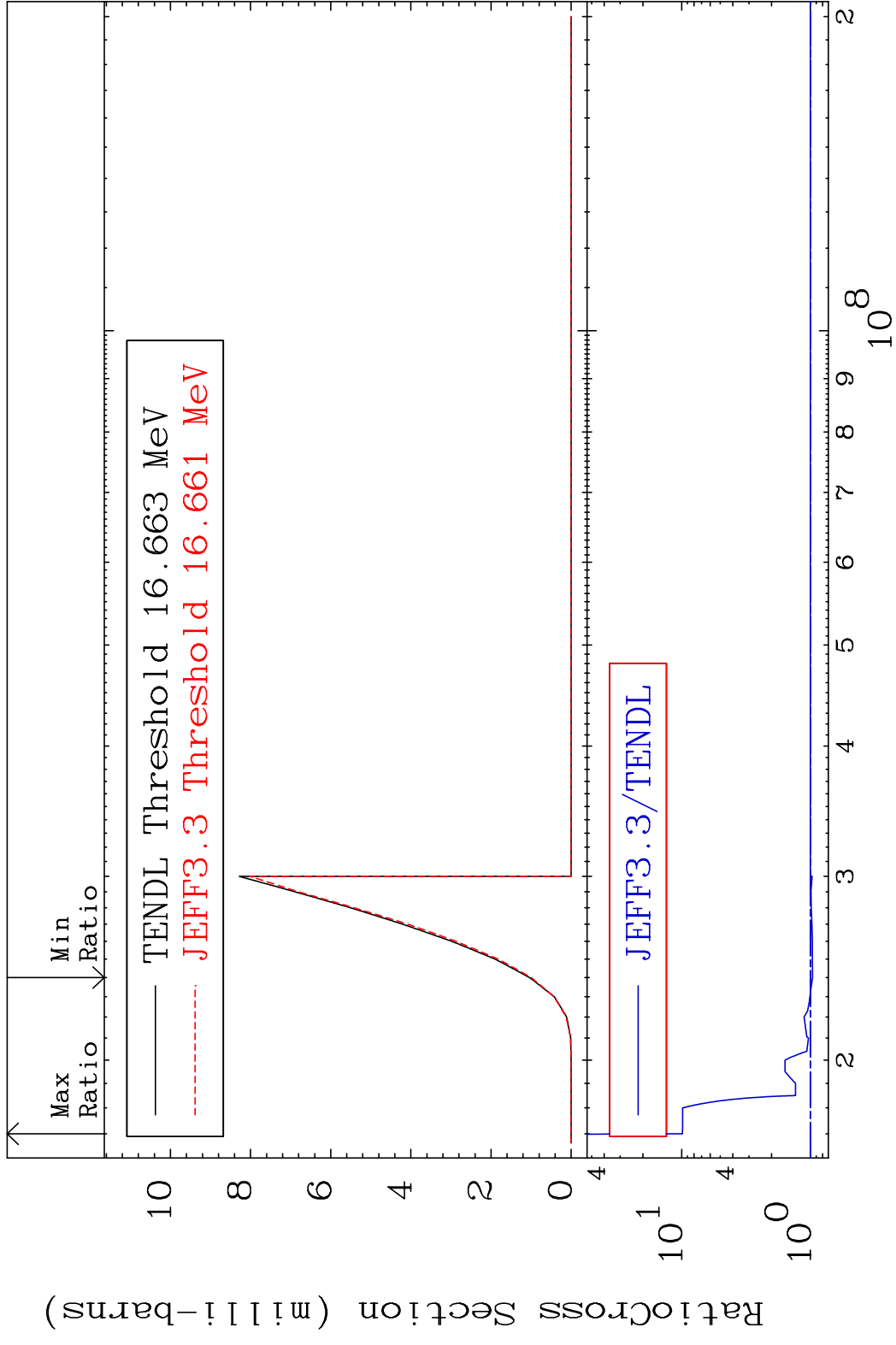
38-Sr-90

MAT 3843

(n, n') d

38-Sr-90

Cross Section -4.011 To 887.0 %

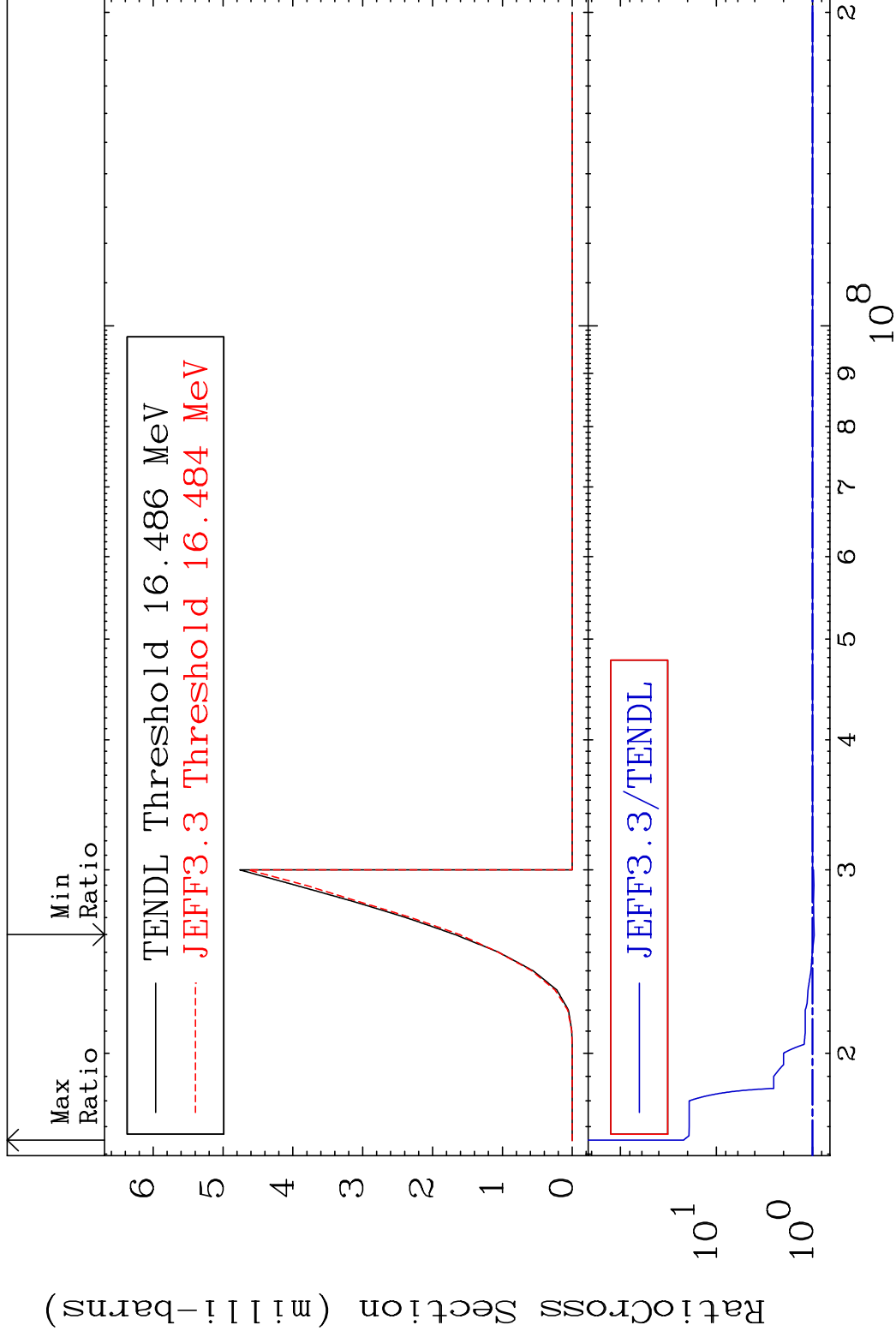


MAT 3843

(n, n') t

38-Sr-90

Cross Section -3.912 To 2098. %



12

Incident Energy (eV)

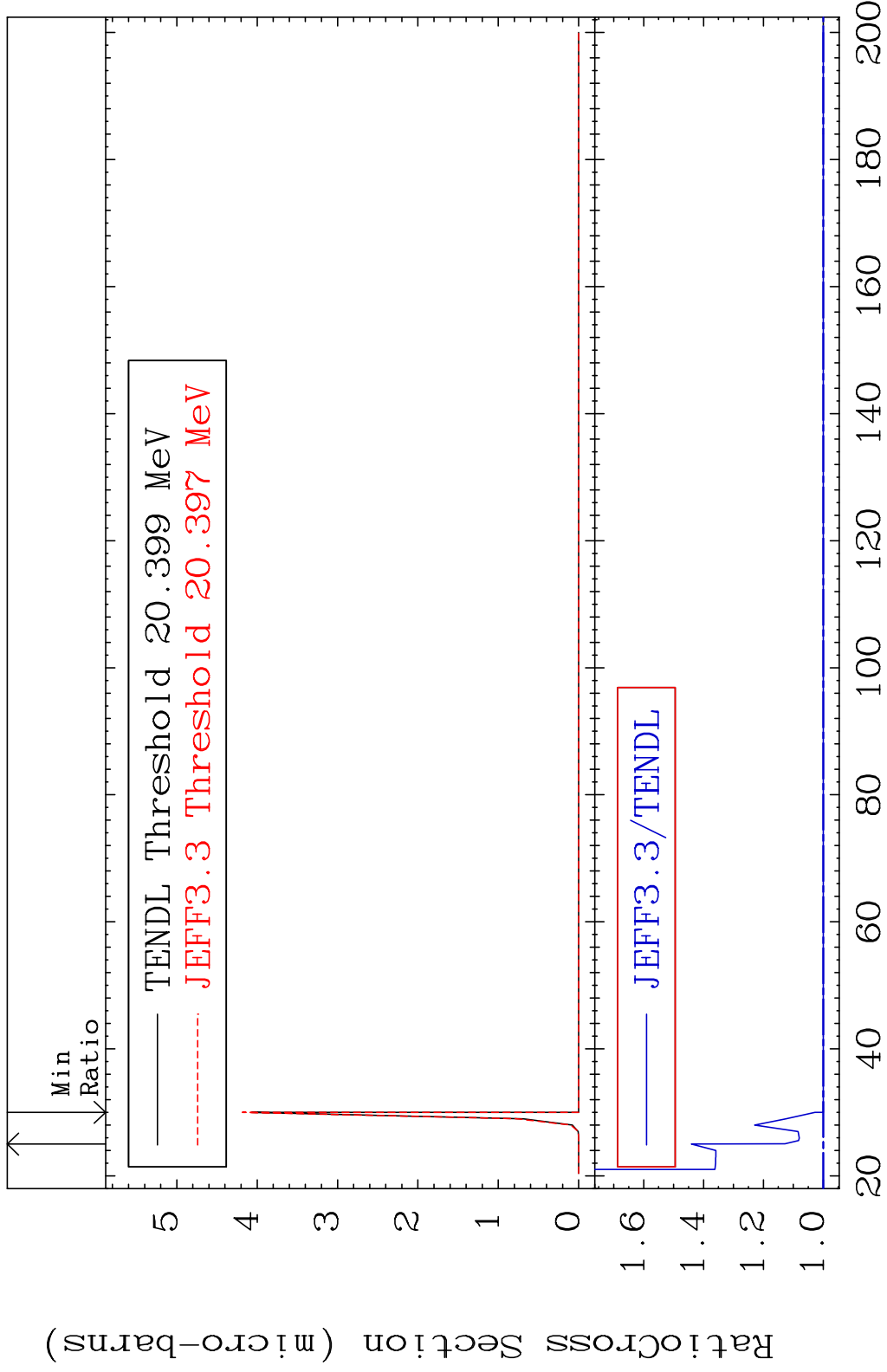
38-Sr-90

MAT 3843

(n,n') He-3

38-Sr-90

Cross Section 0.000 To 44.08 %

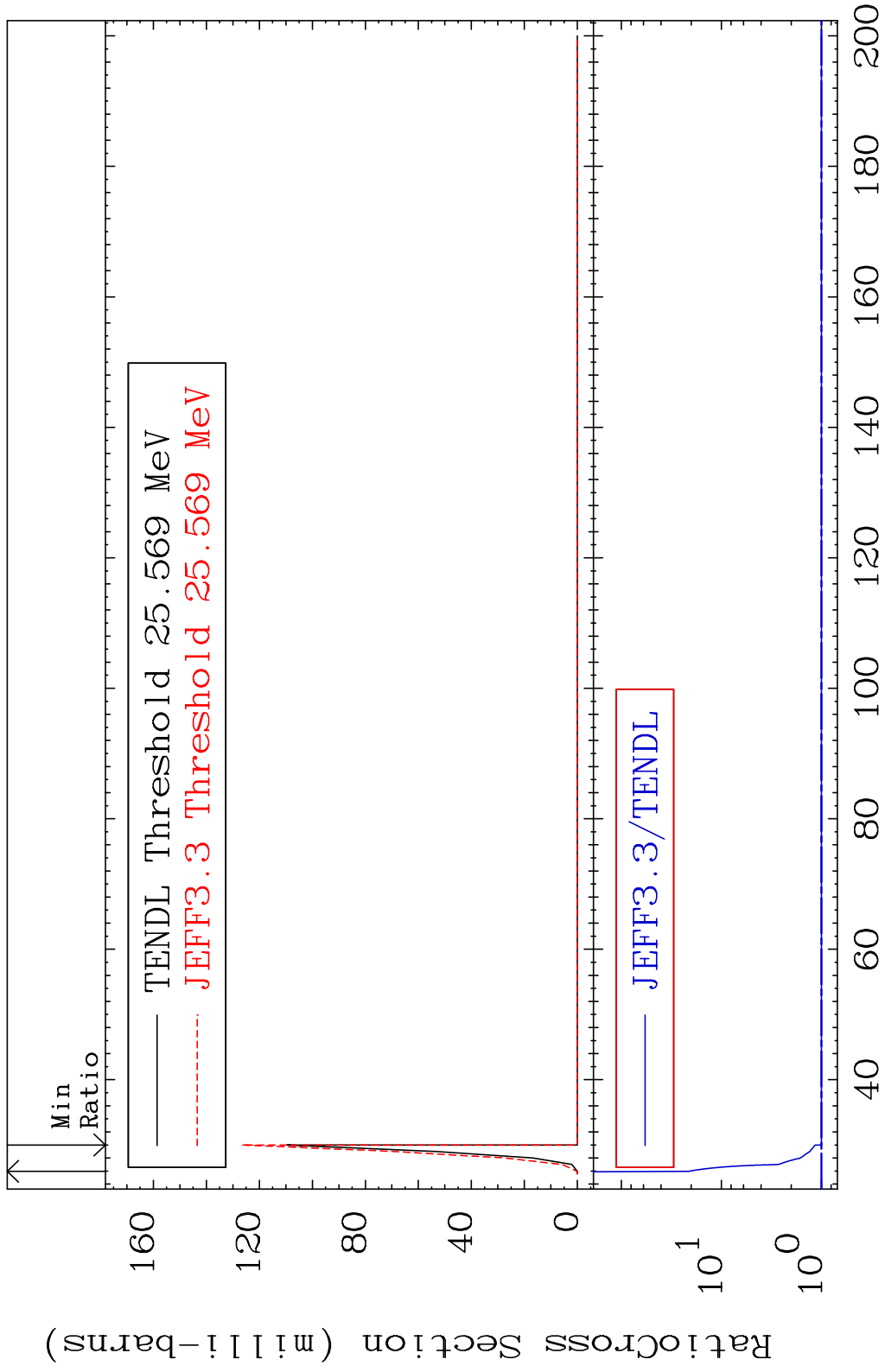


MAT 3843

(n,4n)

38-Sr-90

Cross Section 0.000 To 1967. %

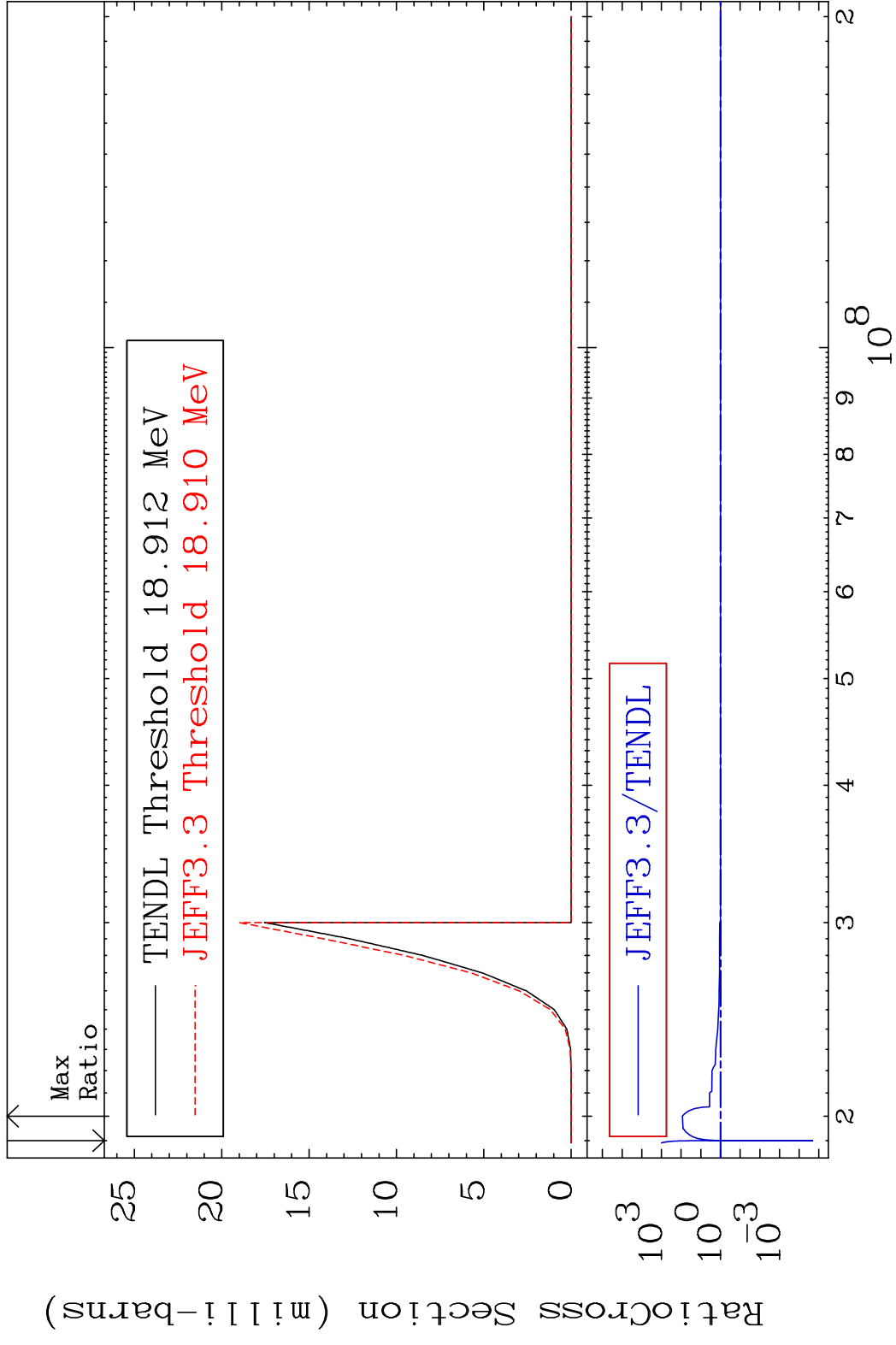


14

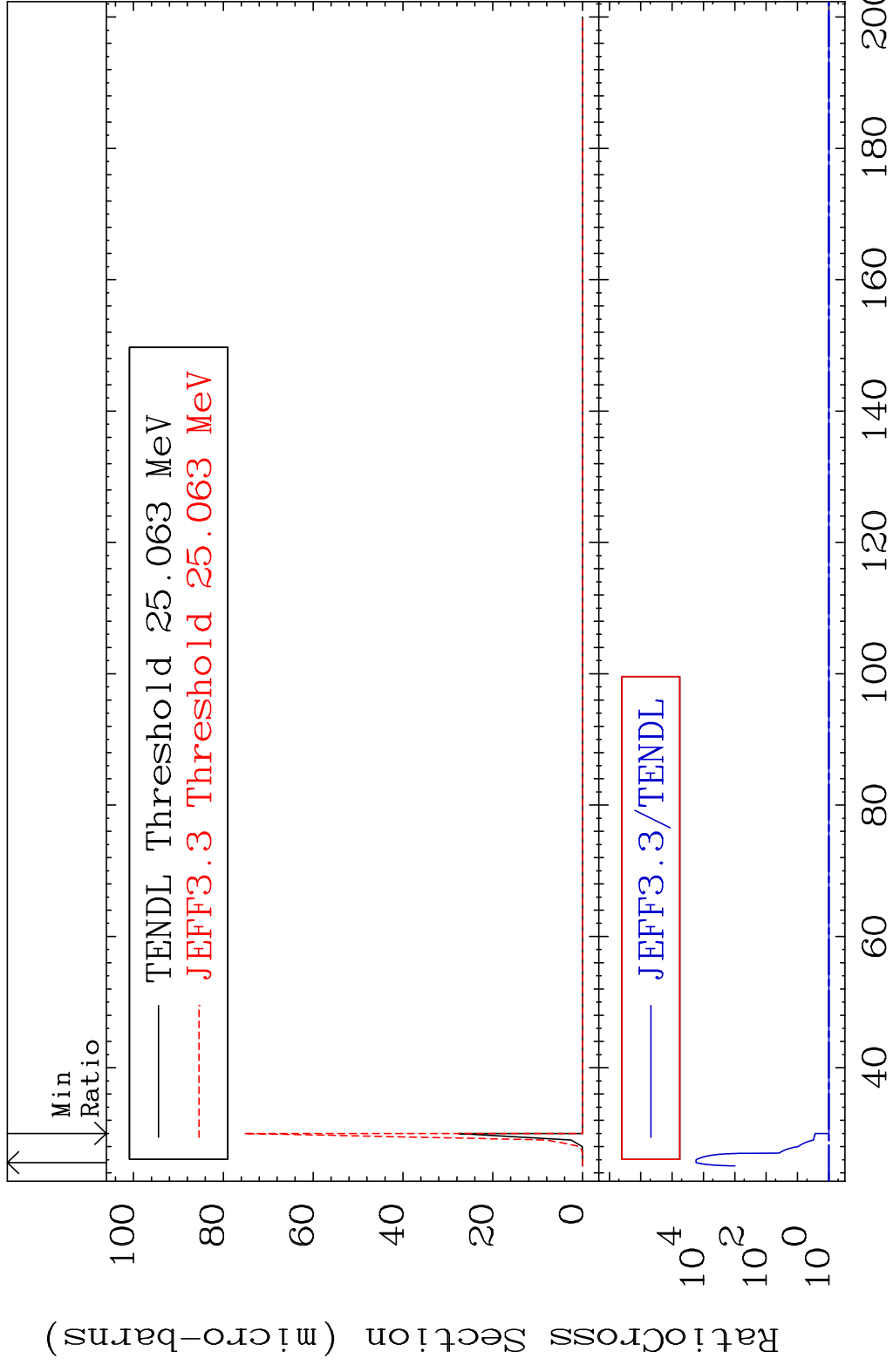
Incident Energy (MeV)

38-Sr-90

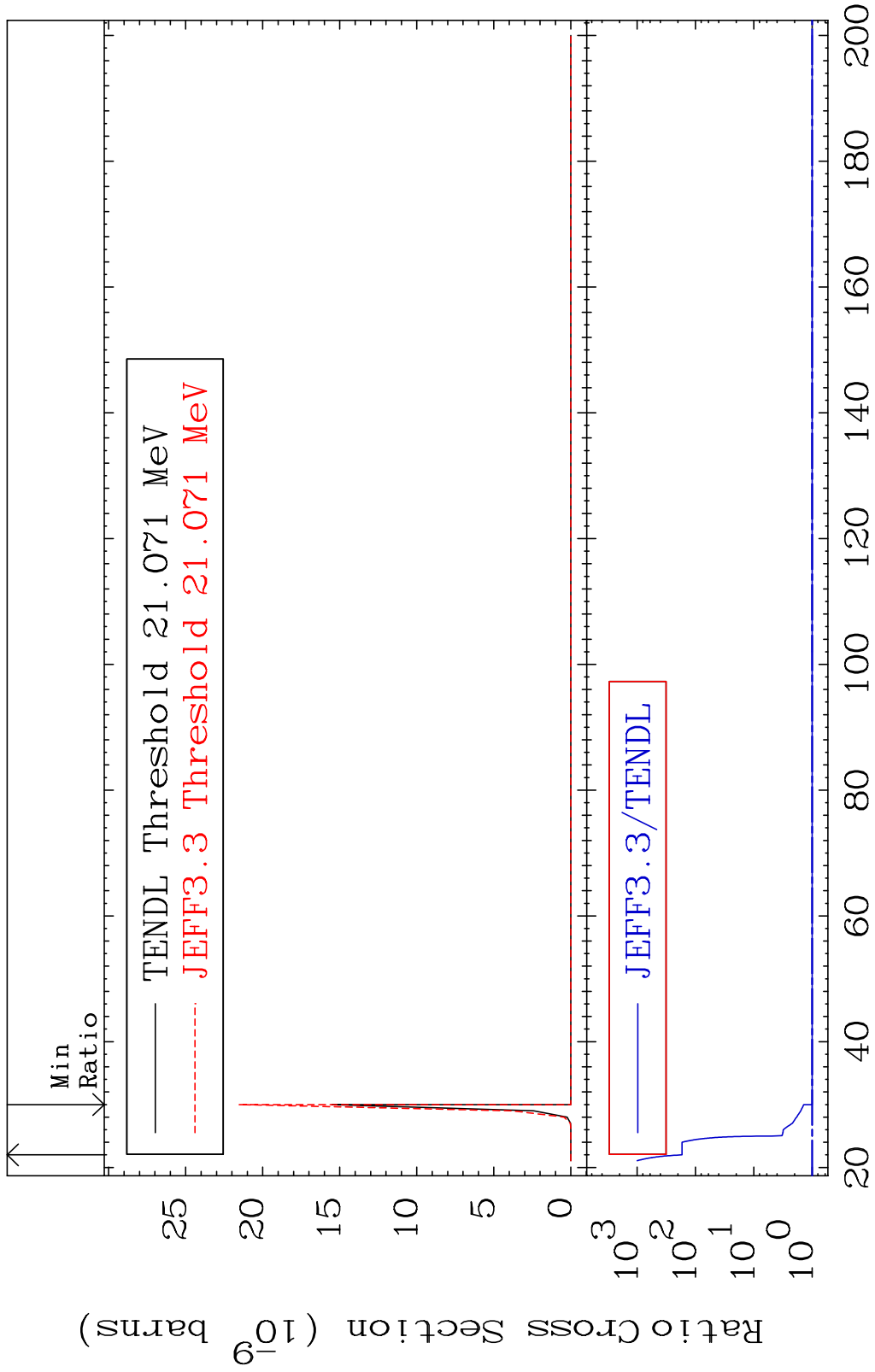
MAT 3843 (n,2n) p 38-Sr-90
 Cross Section -100.0 To 8560. %



MAT 3843 (n,3n) p 38-Sr-90
 Cross Section 0.000 To 9999. %

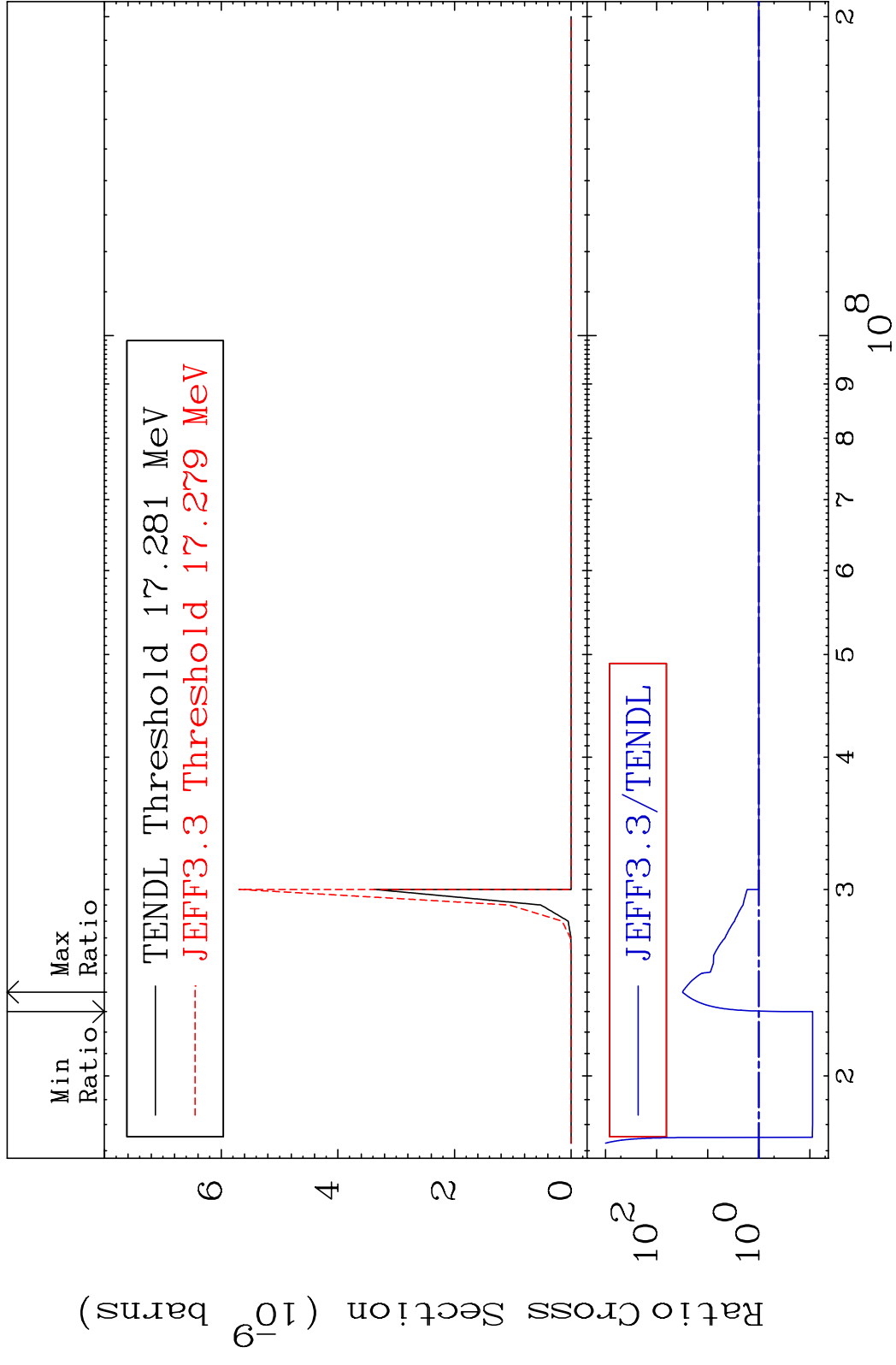


MAT 3843 (n,2n) p 38-Sr-90
 Cross Section 0.000 To 9999. %

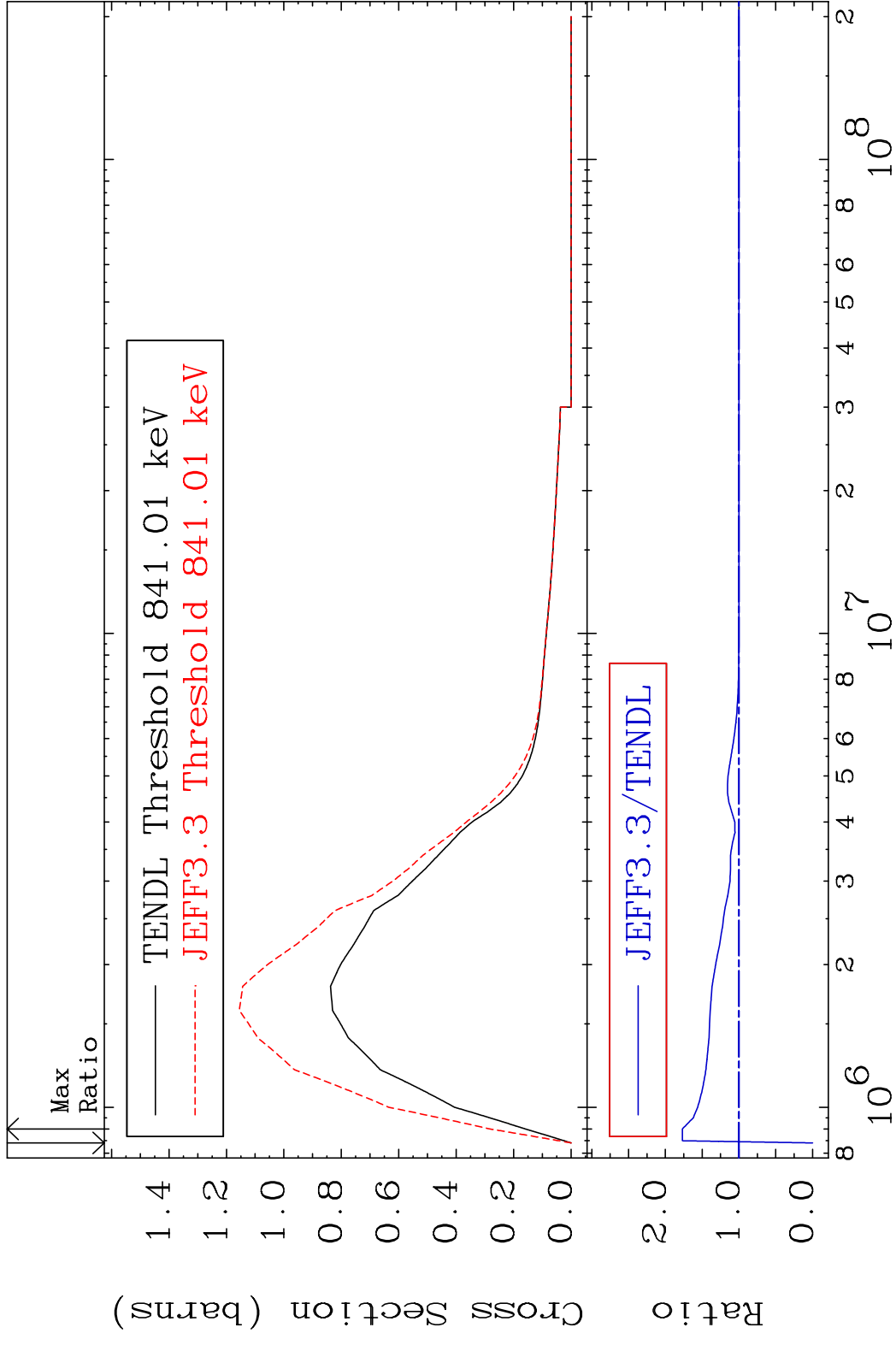


MAT 3843

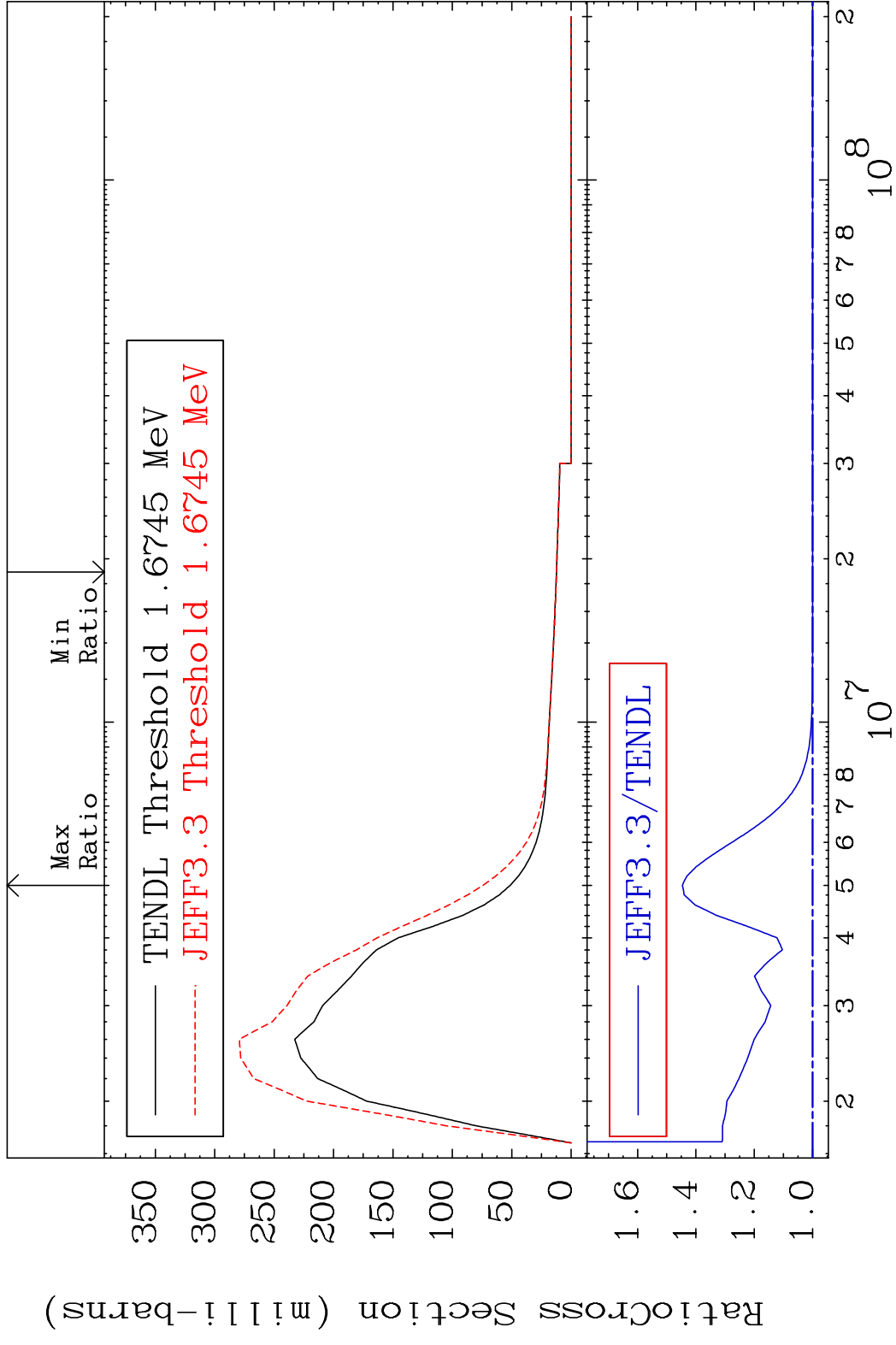
(n,n') p α 38-Sr-90
Cross Section -91.15 To 3032. %



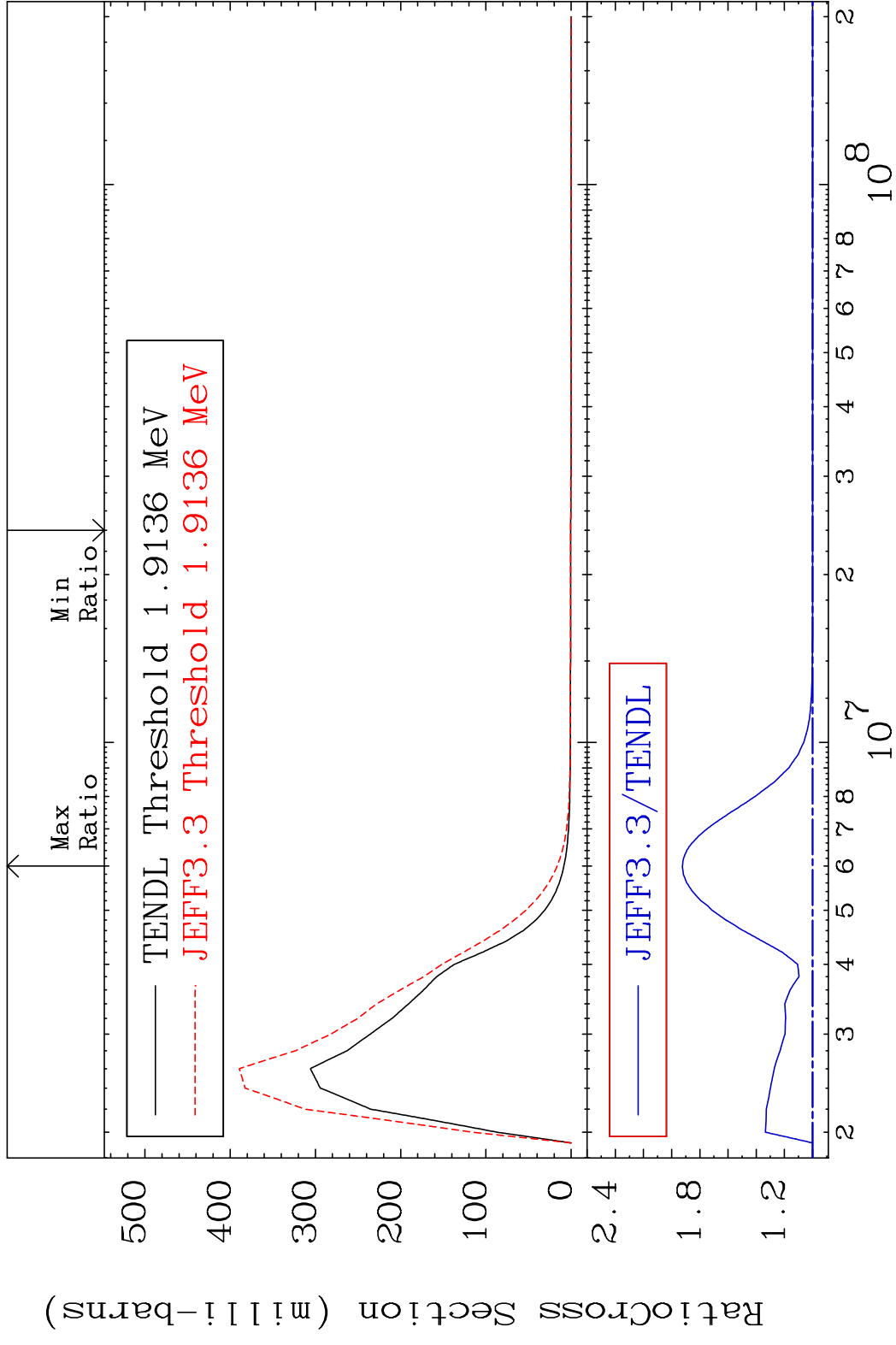
MAT 3843 MT= 51 (n, n') Level 38-Sr-90
 Cross Section -100.0 To 76.92 %



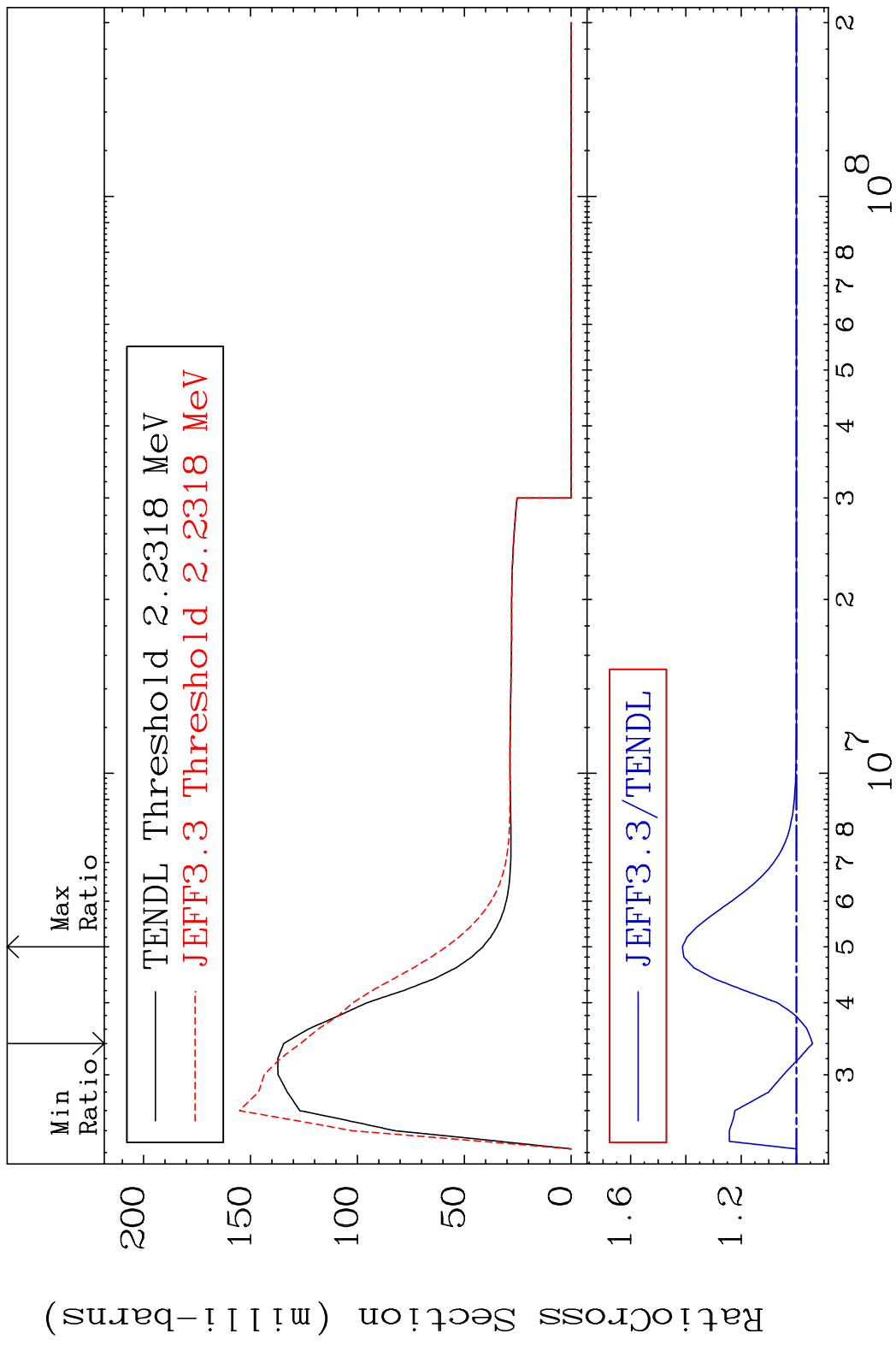
MAT 3843 MT= 52 (n,n') Level 38-Sr-90
 Cross Section 0.000 To 44.65 %



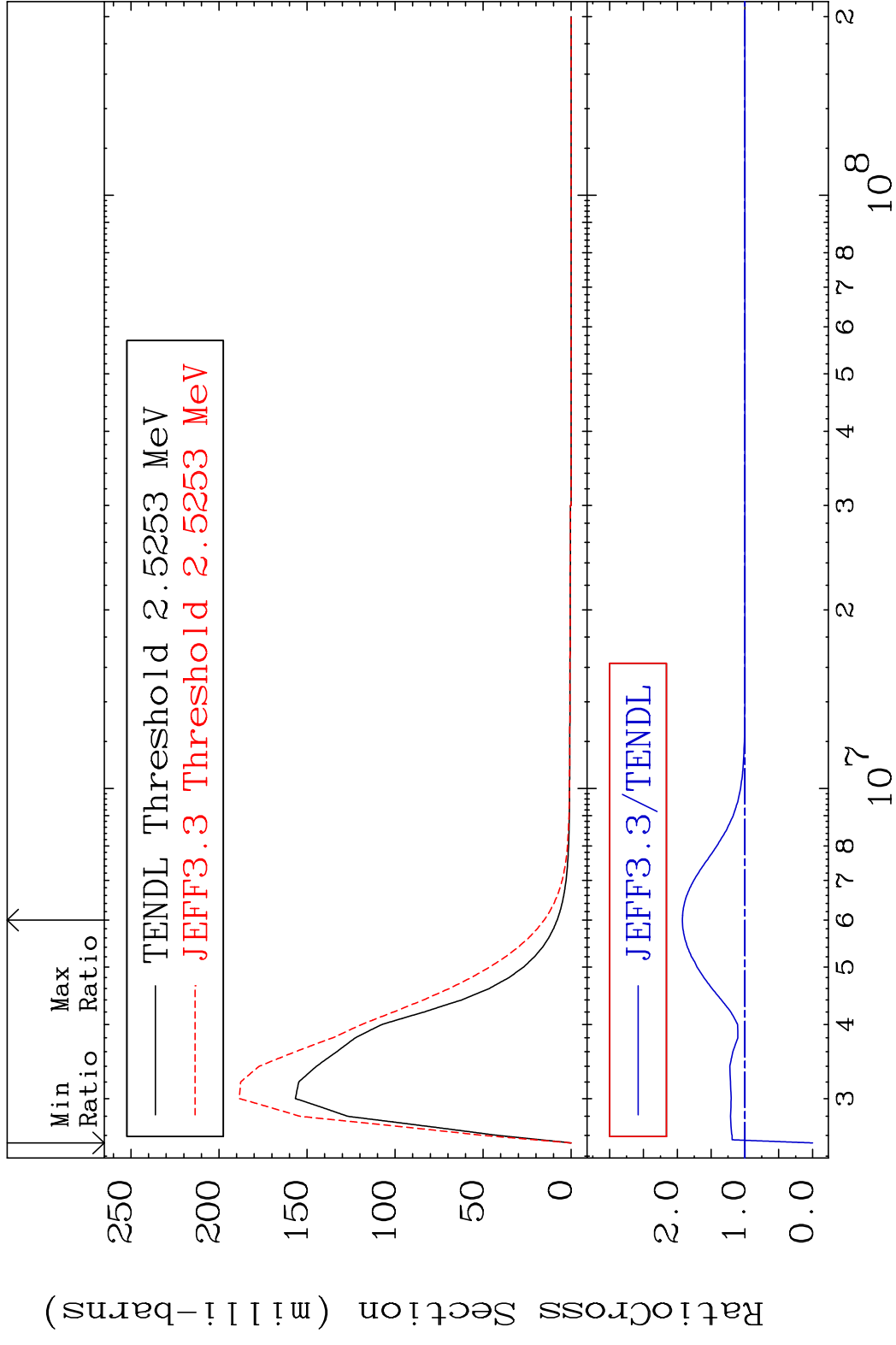
MAT 3843 MT= 53 (n, n') Level 38-Sr-90
 Cross Section 0.000 To 92.42 %



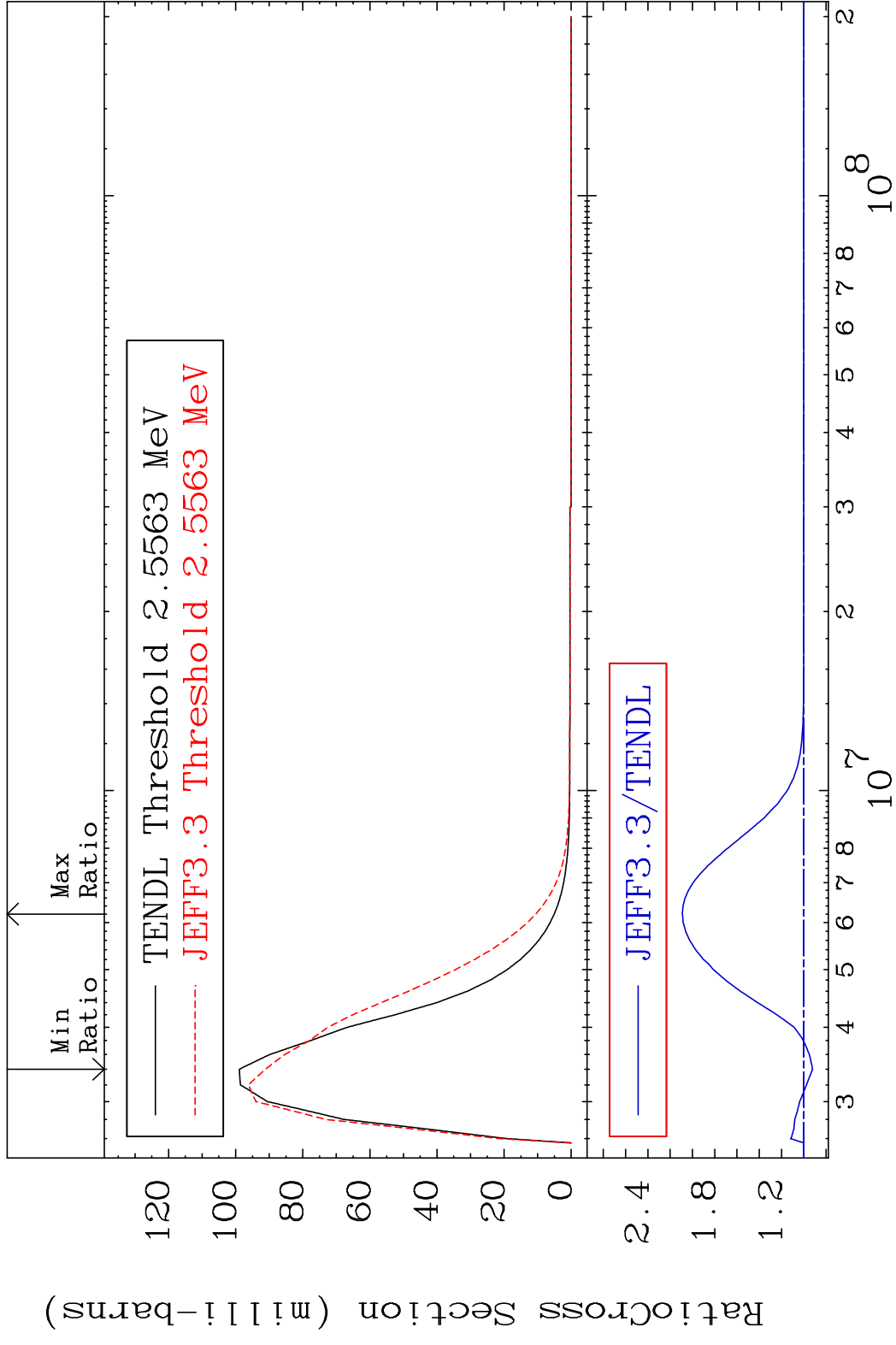
MAT 3843 MT= 54 (n, n') Level 38-Sr-90
 Cross Section -5.824 To 41.27 %



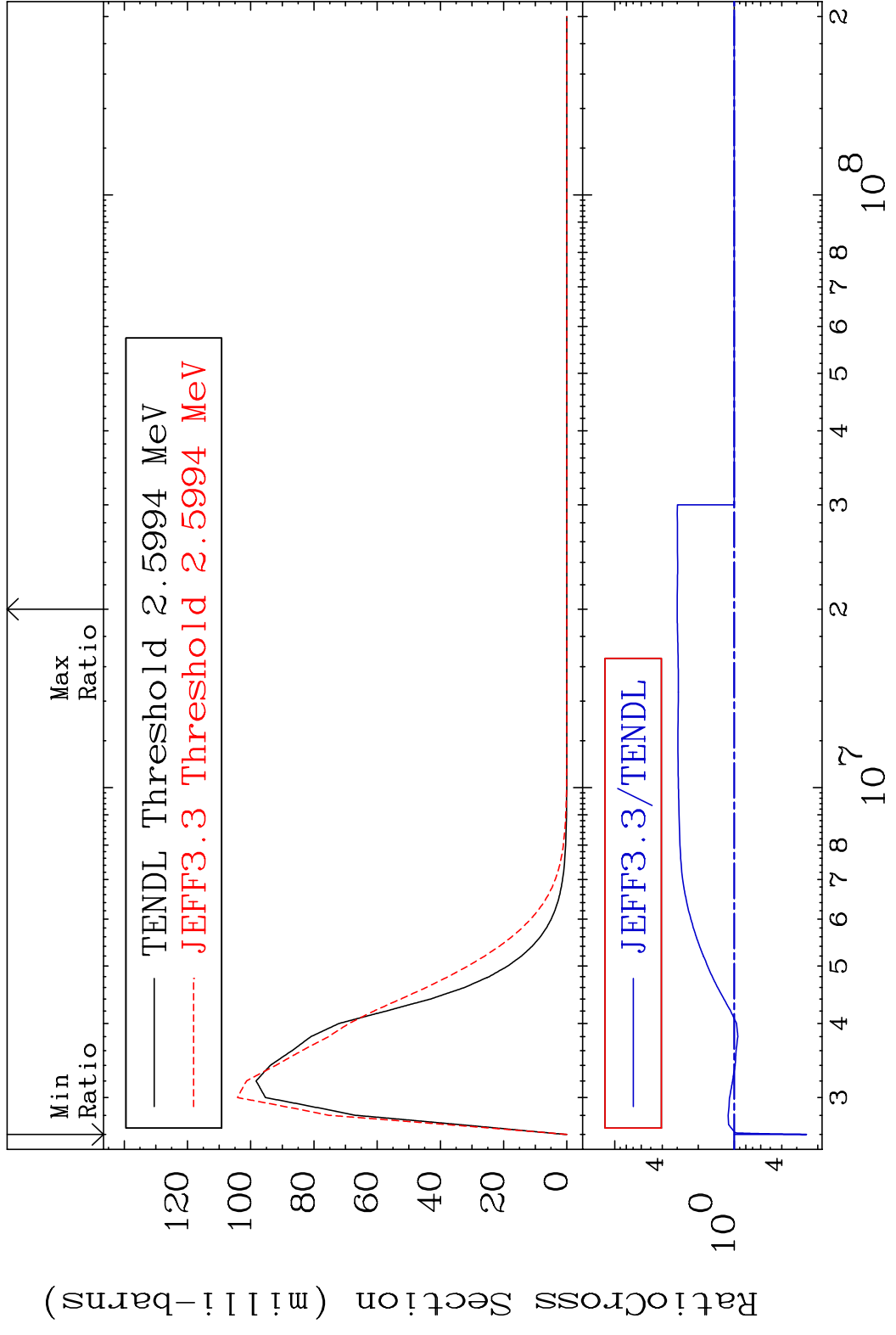
MAT 3843 MT= 55 (n, n') Level 38-Sr-90
 Cross Section -100.0 To 92.51 %



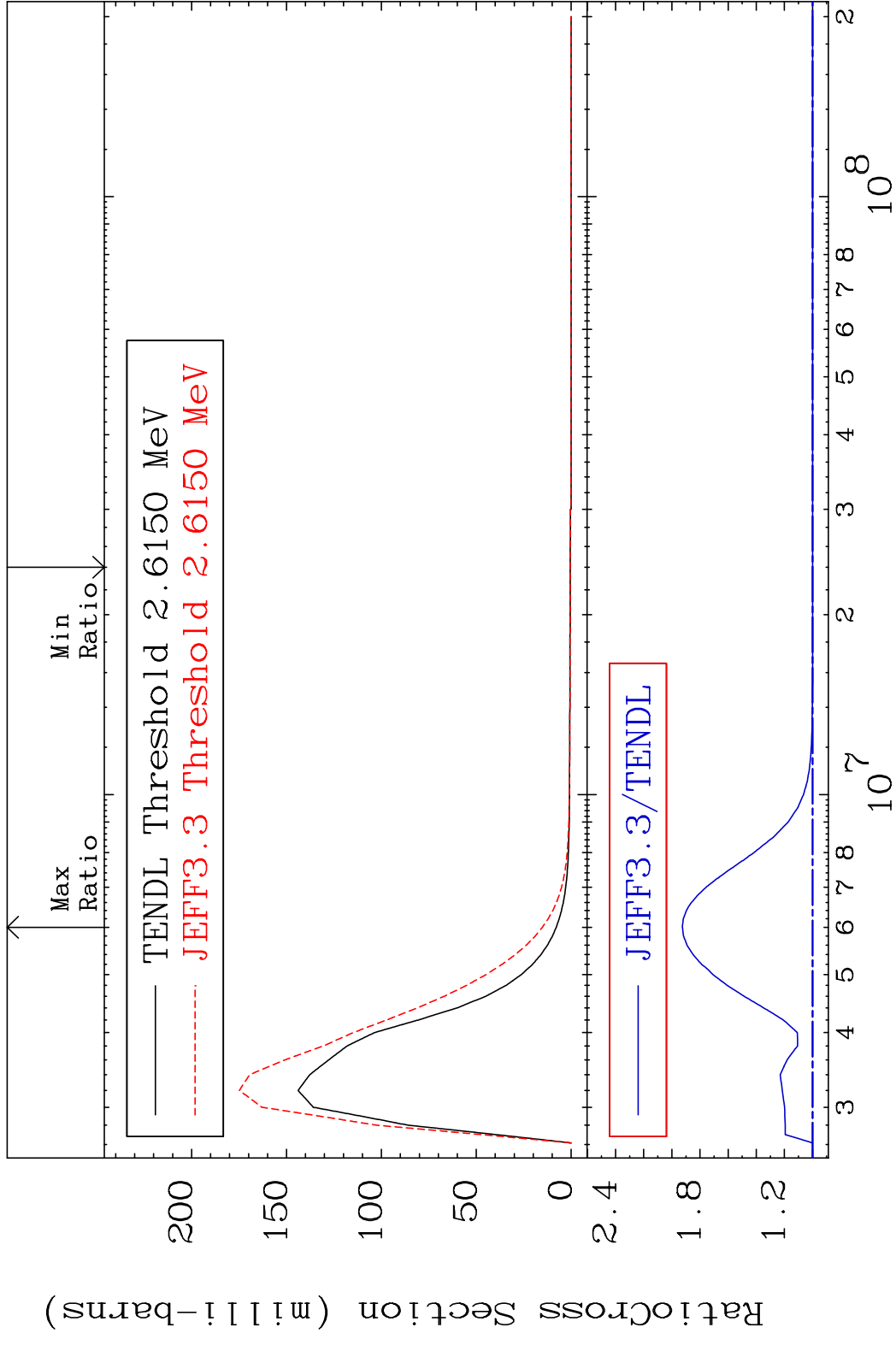
MAT 3843 MT= 56 (n, n') Level 38-Sr-90
 Cross Section -7.878 To 109.1 %



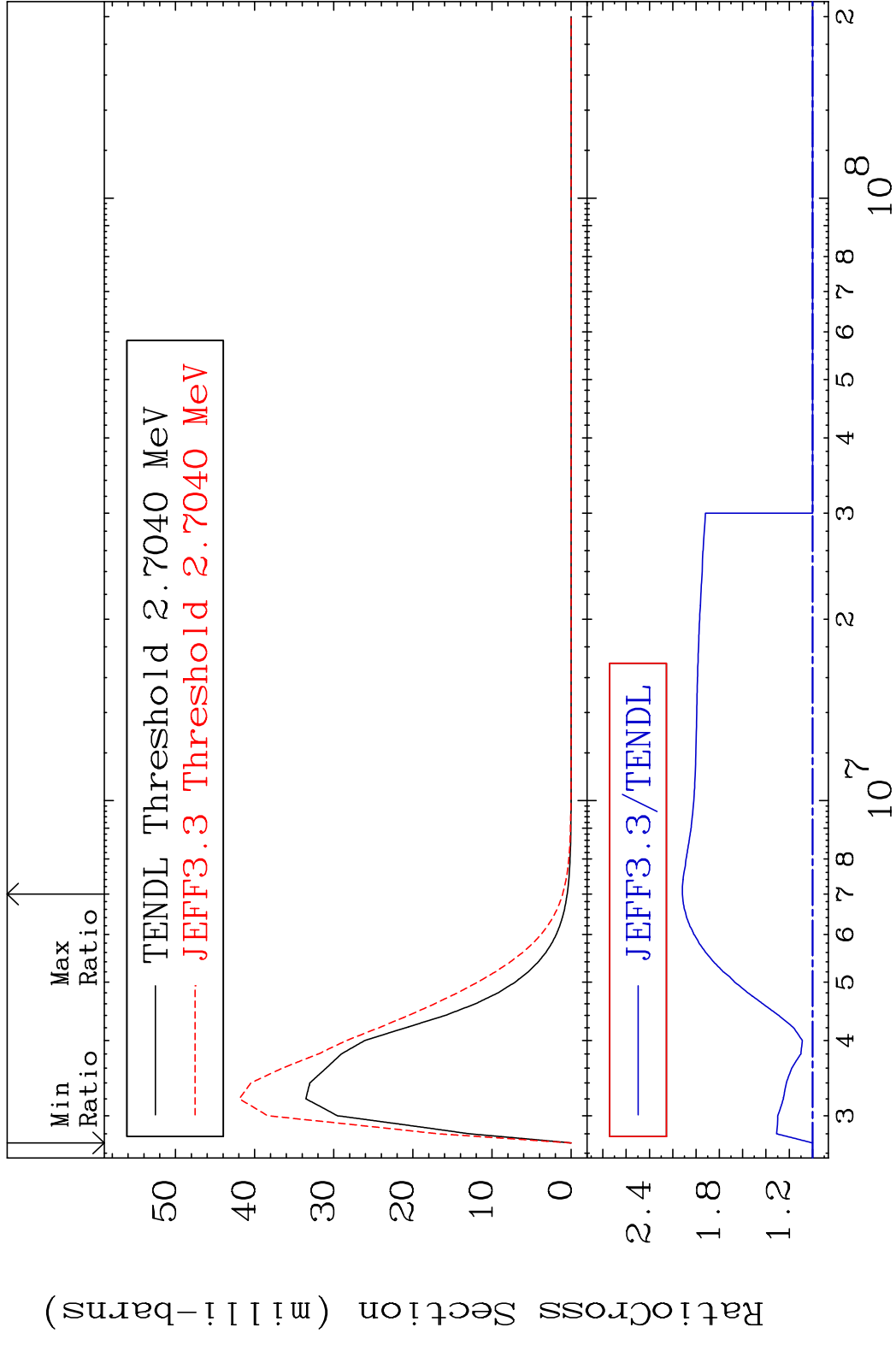
MAT 3843 MT= 57 (n, n') Level 38-Sr-90
 Cross Section -75.14 To 199.9 %



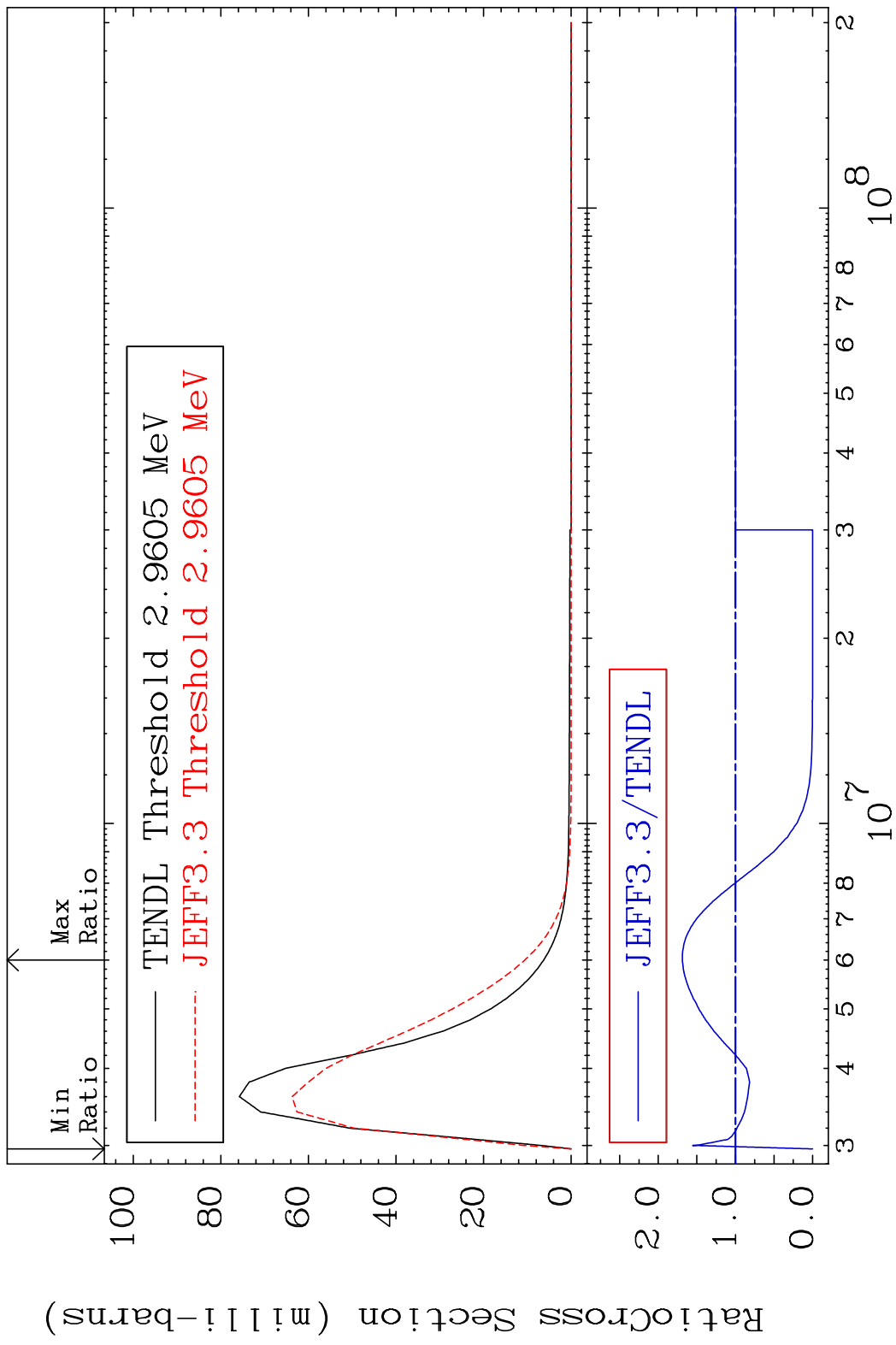
MAT 3843 MT= 58 (n, n') Level 38-Sr-90
 Cross Section 0.000 To 92.54 %



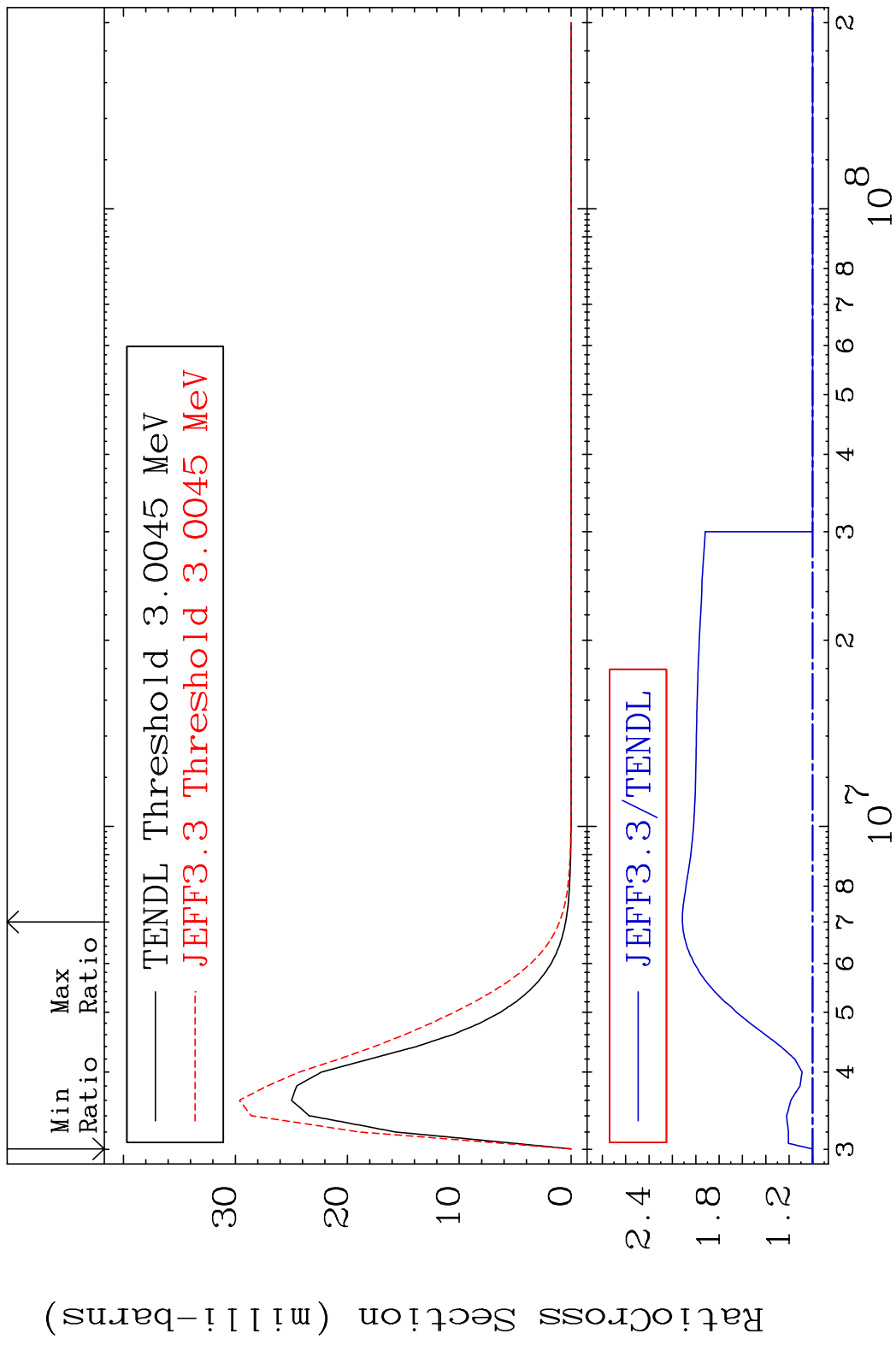
MAT 3843 MT= 59 (n, n') Level 38-Sr-90
 Cross Section 0.000 To 111.8 %



MAT 3843 MT= 60 (n,n') Level 38-Sr-90
 Cross Section -100.0 To 68.80 %

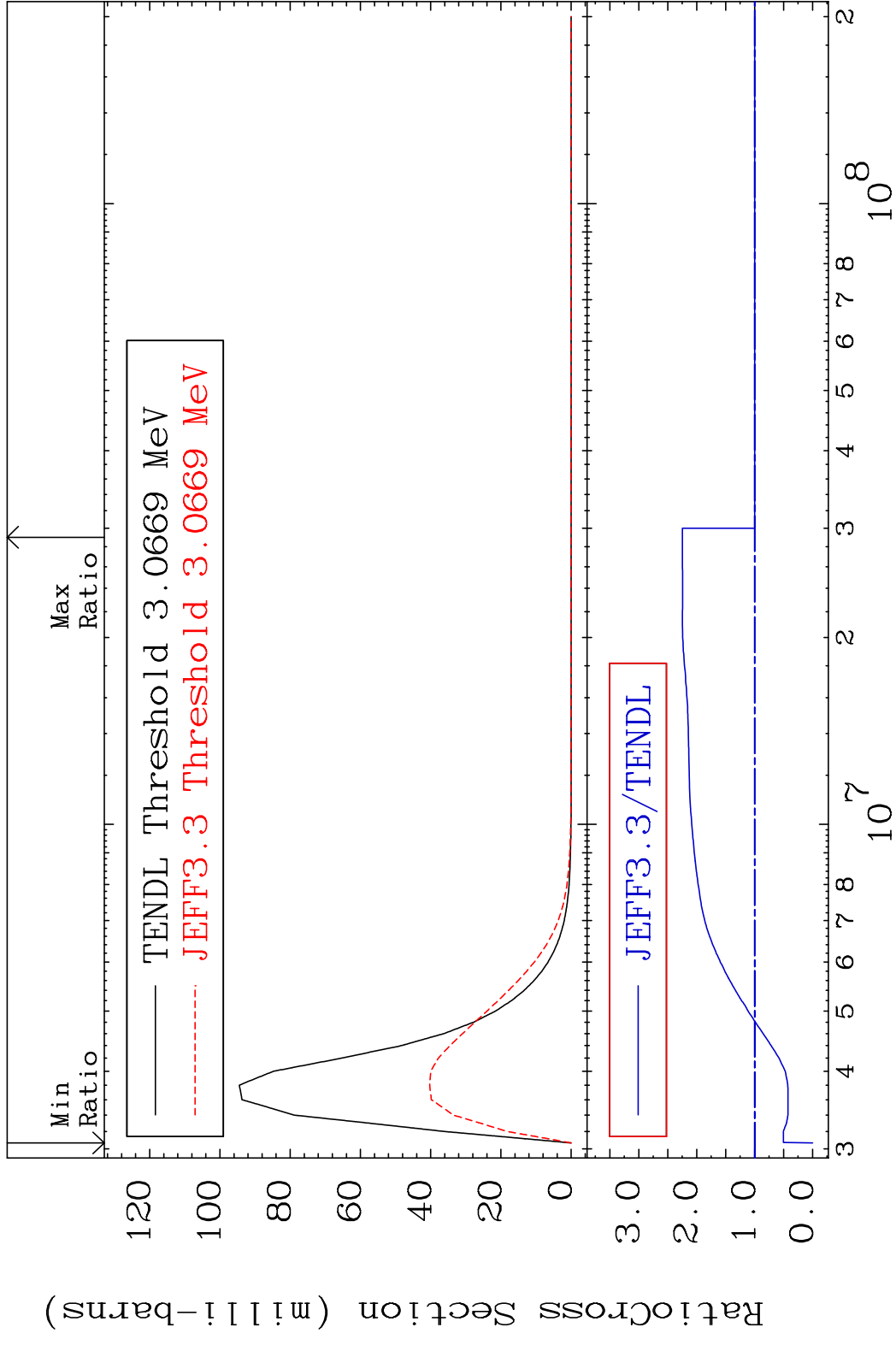


MAT 3843 MT= 61 (n,n') Level 38-Sr-90
 Cross Section 0.000 To 111.5 %



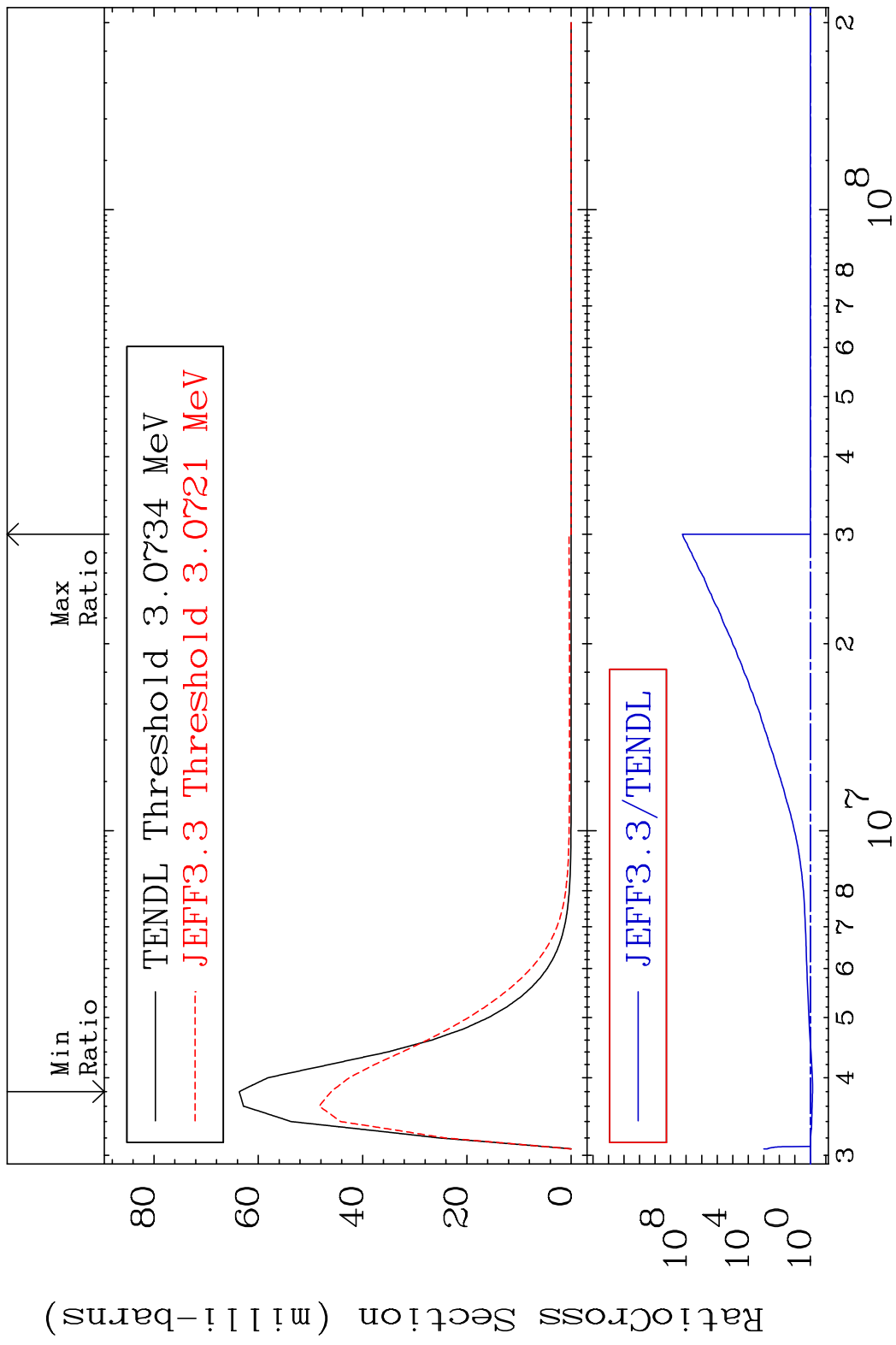
29 Incident Energy (eV) 38-Sr-90

MAT 3843 MT= 62 (n, n') Level 38-Sr-90
 Cross Section -100.0 To 124.7 %

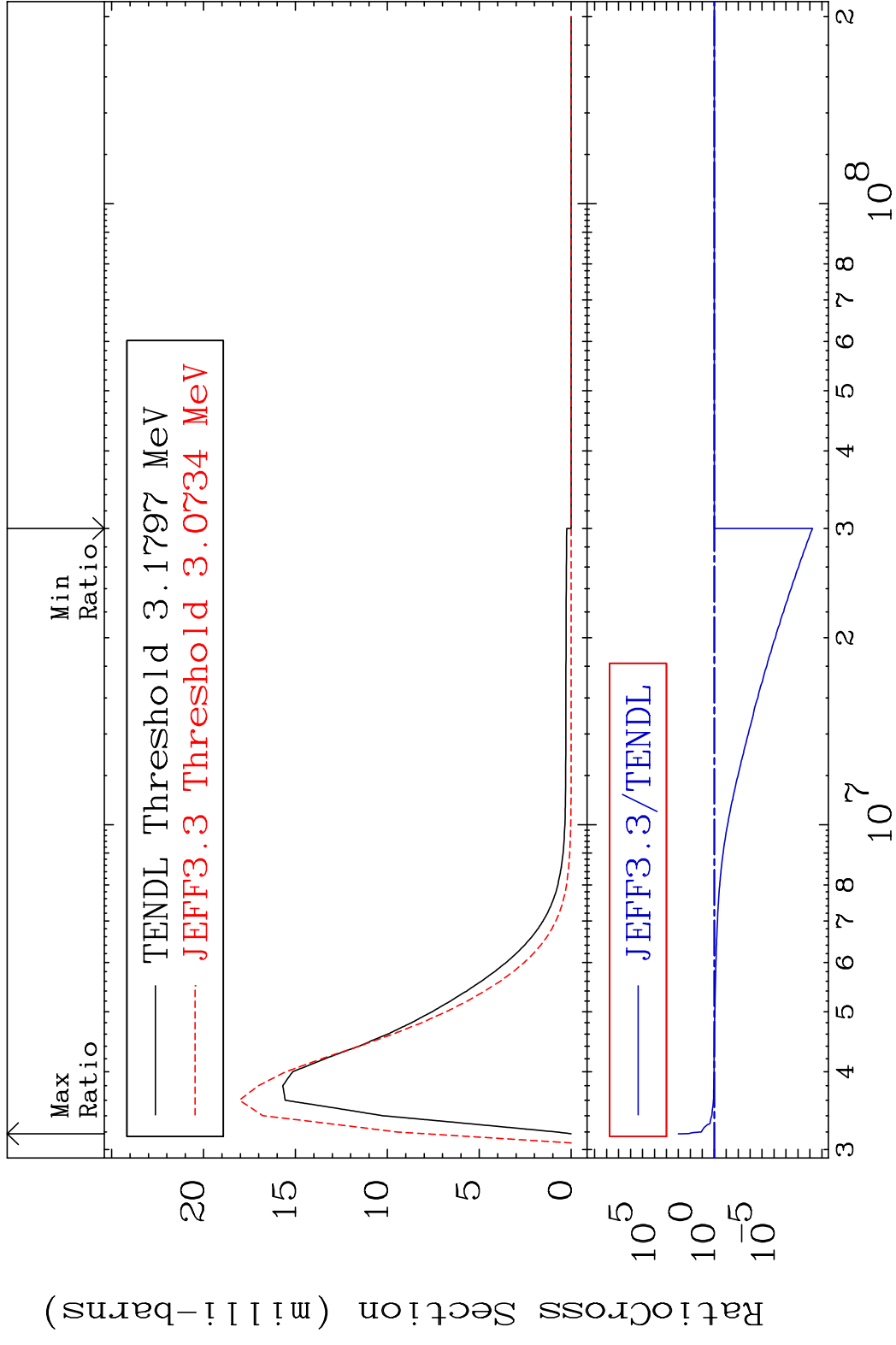


30 Incident Energy (eV) 38-Sr-90

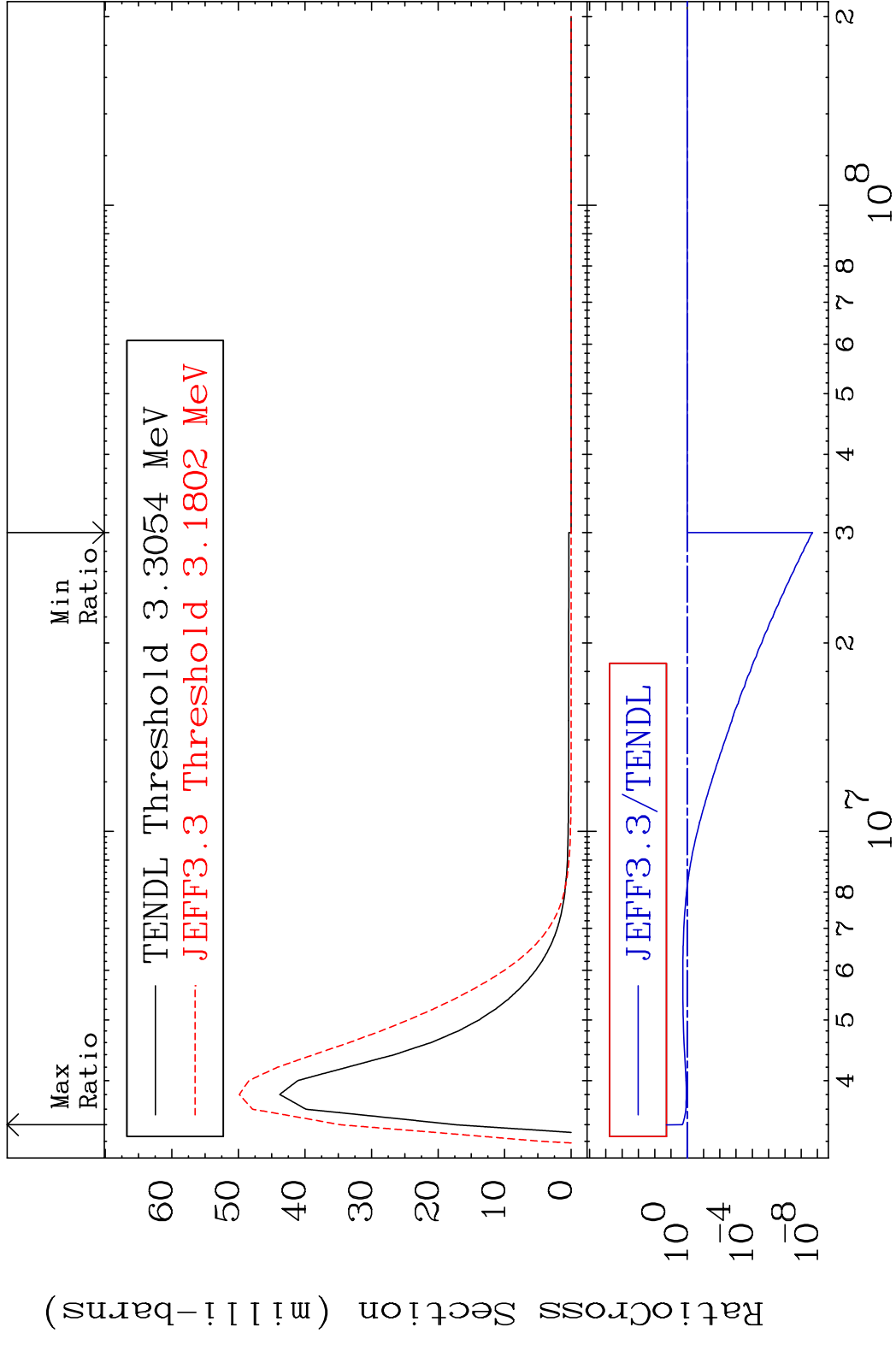
MAT 3843 MT= 63 (n, n') Level 38-Sr-90
 Cross Section -27.69 To 9999. %



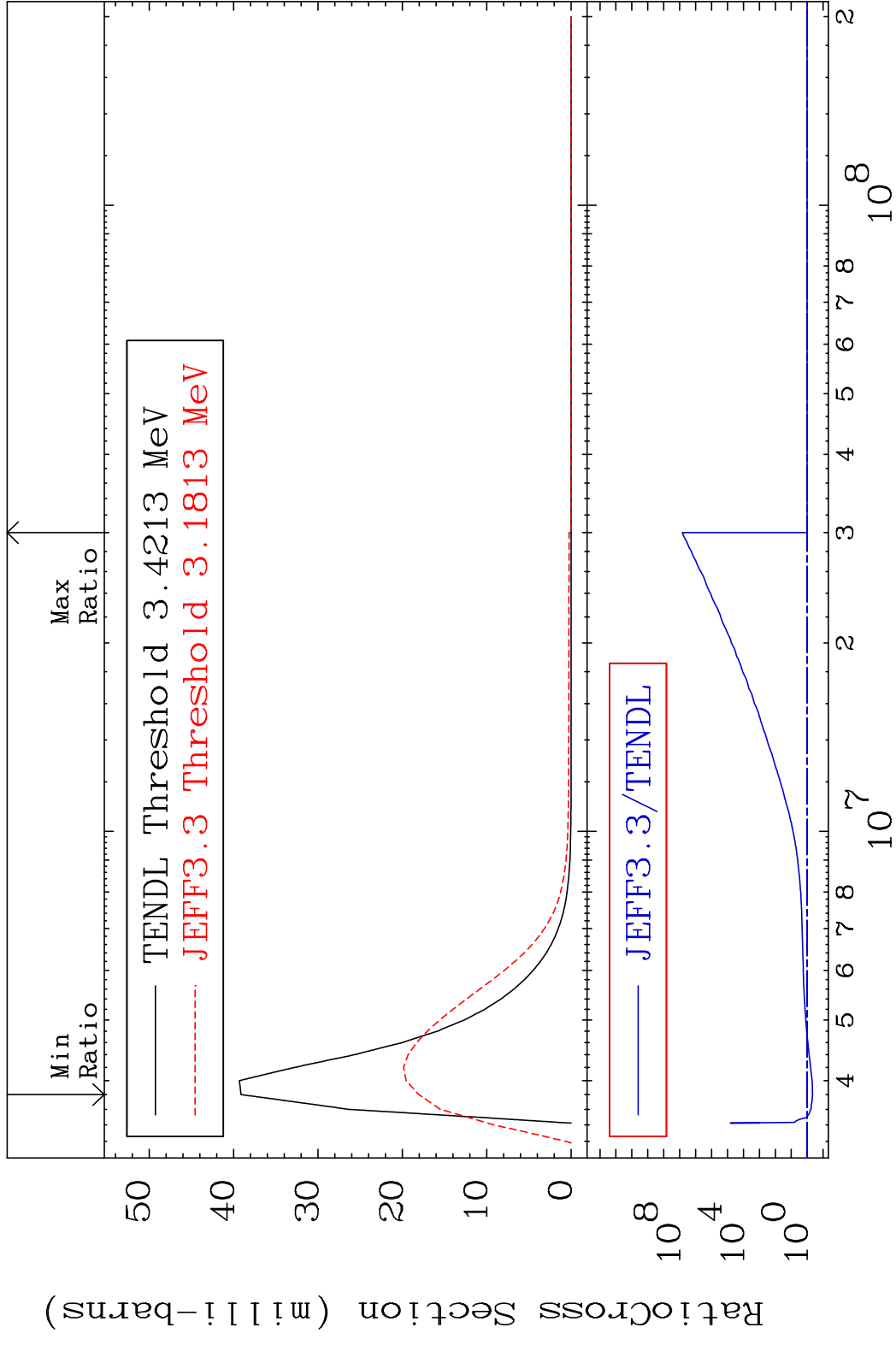
MAT 3843 MT= 64 (n, n') Level 38-Sr-90
 Cross Section -100.0 To 9999. %



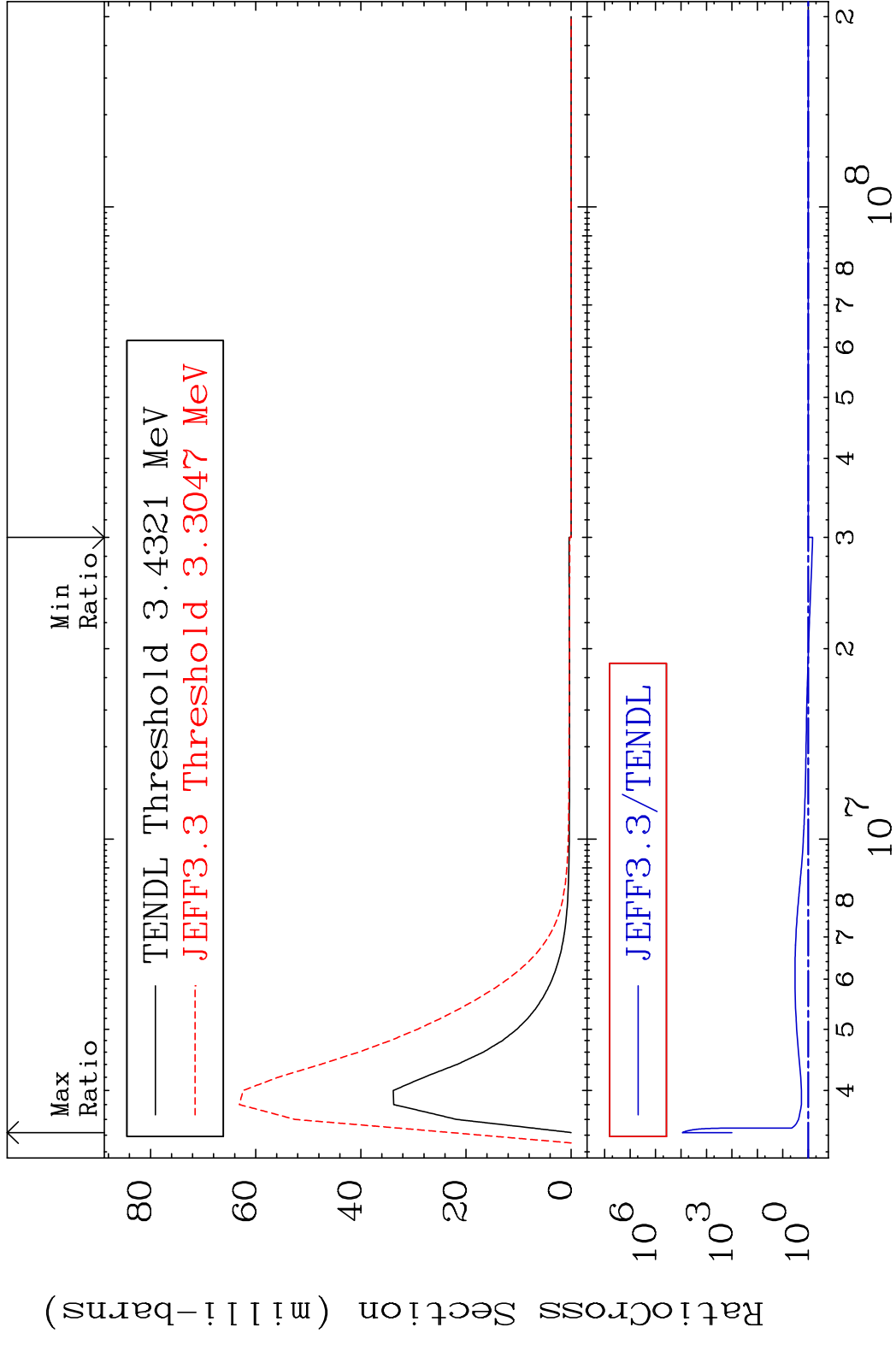
MAT 3843 MT= 65 (n, n') Level 38-Sr-90
 Cross Section -100.0 To 99.68 %



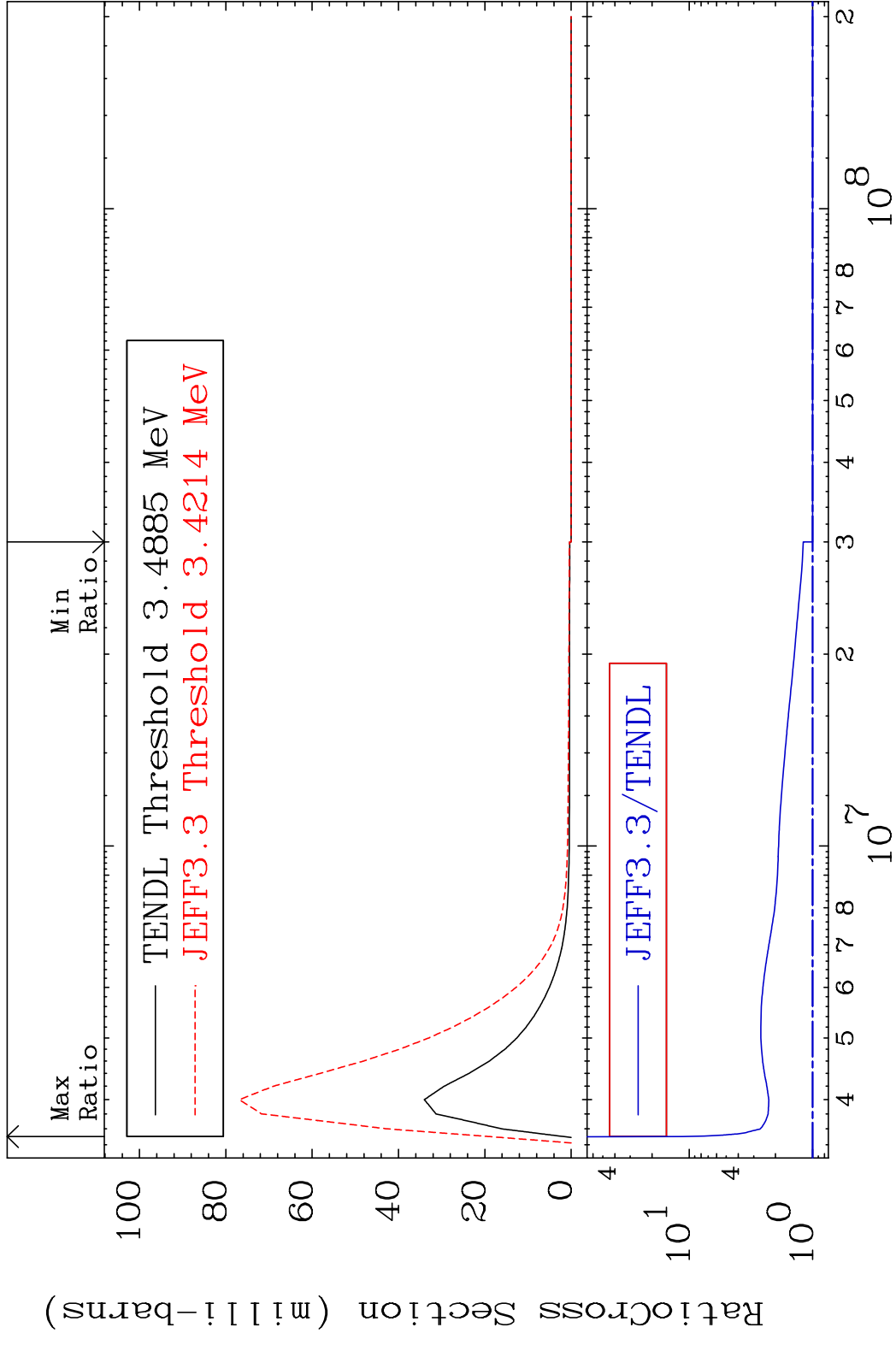
MAT 3843 MT= 66 (n, n') Level 38-Sr-90
 Cross Section -53.84 To 9999. %



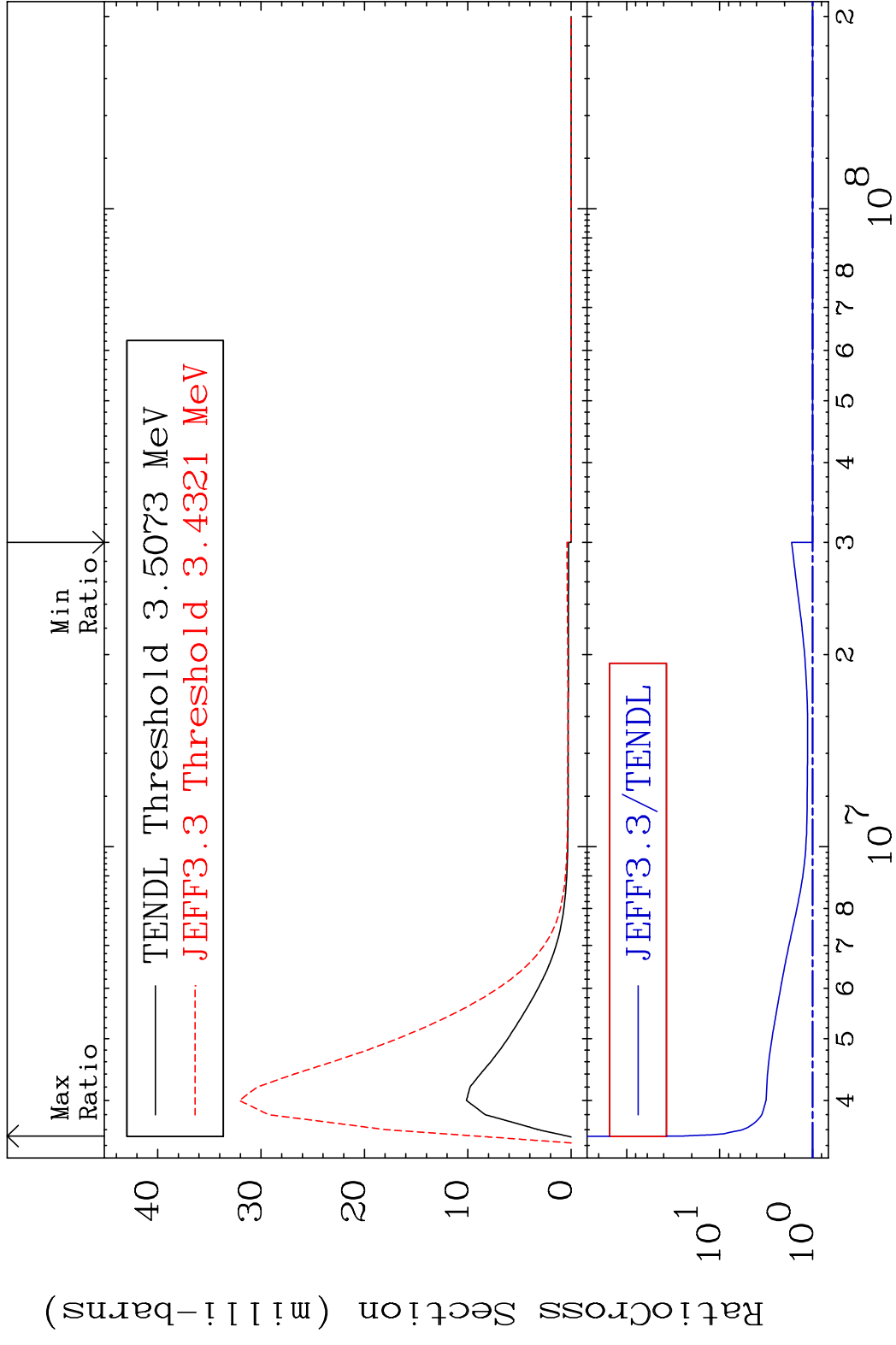
MAT 3843 MT= 67 (n, n') Level 38-Sr-90
 Cross Section -32.19 To 9999. %



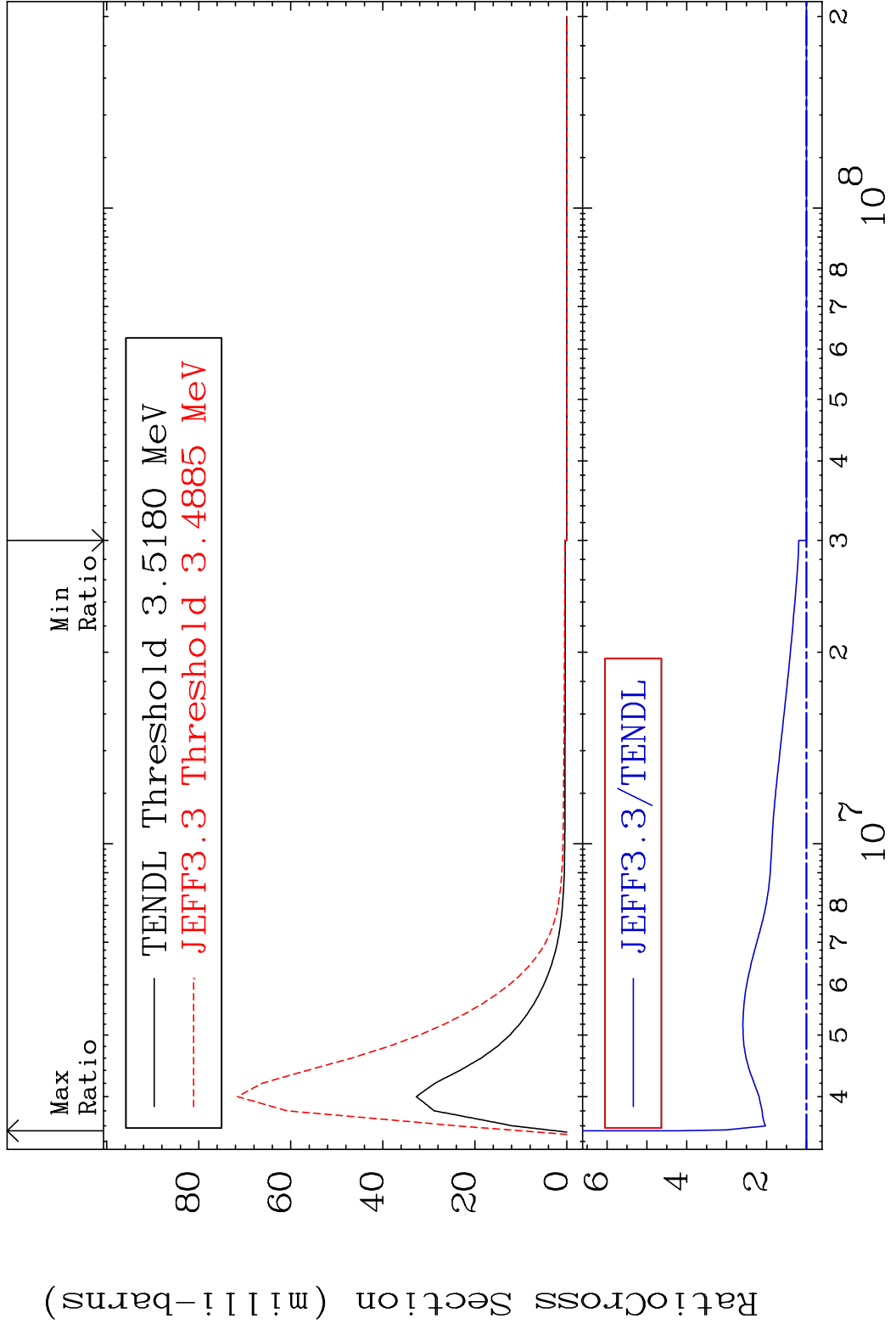
MAT 3843 MT= 68 (n, n') Level 38-Sr-90
 Cross Section 0.000 To 1035. %



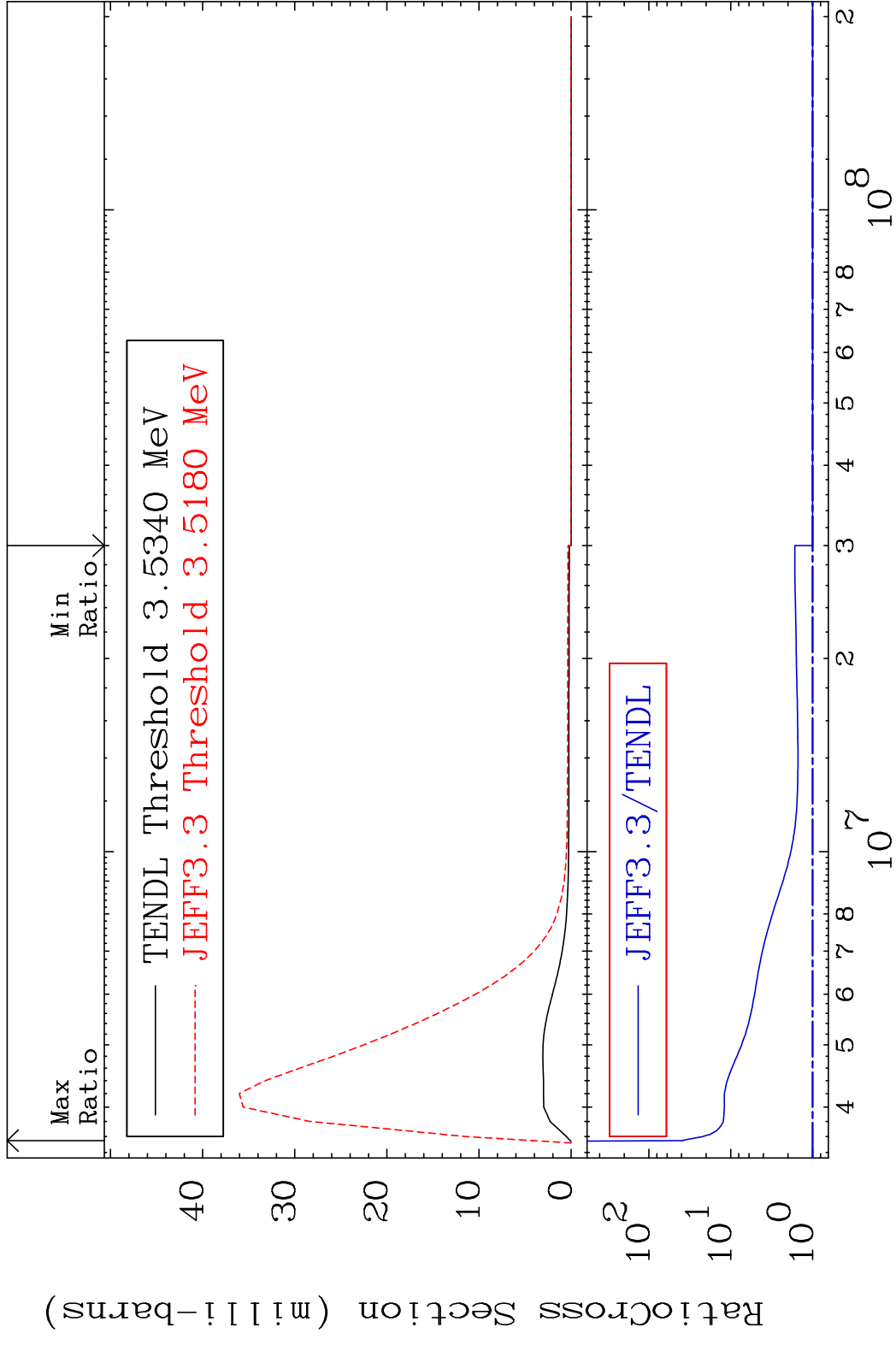
MAT 3843 MT= 69 (n, n') Level 38-Sr-90
 Cross Section 0.000 To 2417. %



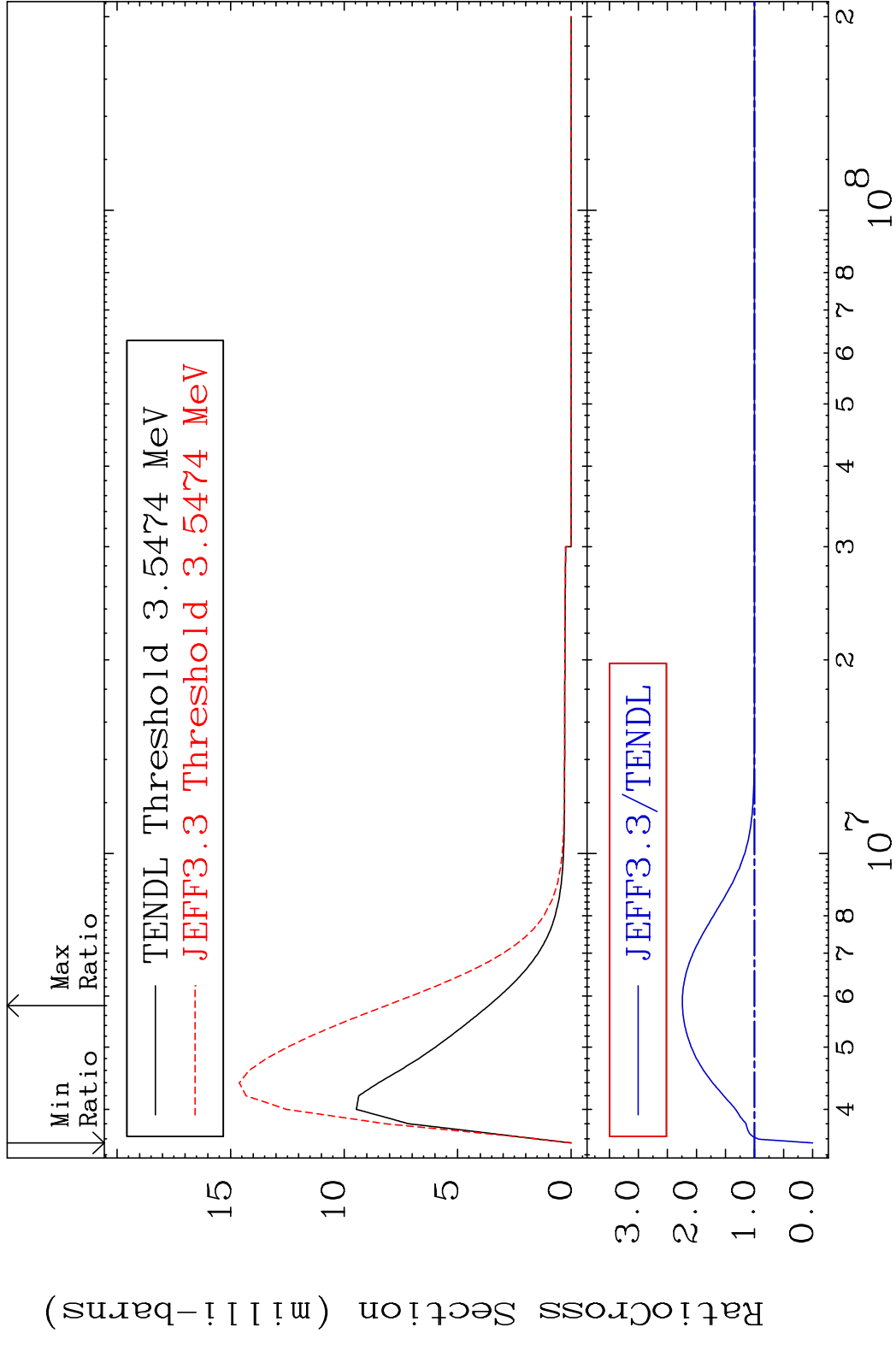
MAT 3843 MT= 70 (n, n') Level 38-Sr-90
 Cross Section 0.000 To 324.0 %



MAT 3843 MT= 71 (n,n') Level 38-Sr-90
 Cross Section 0.000 To 3805. %

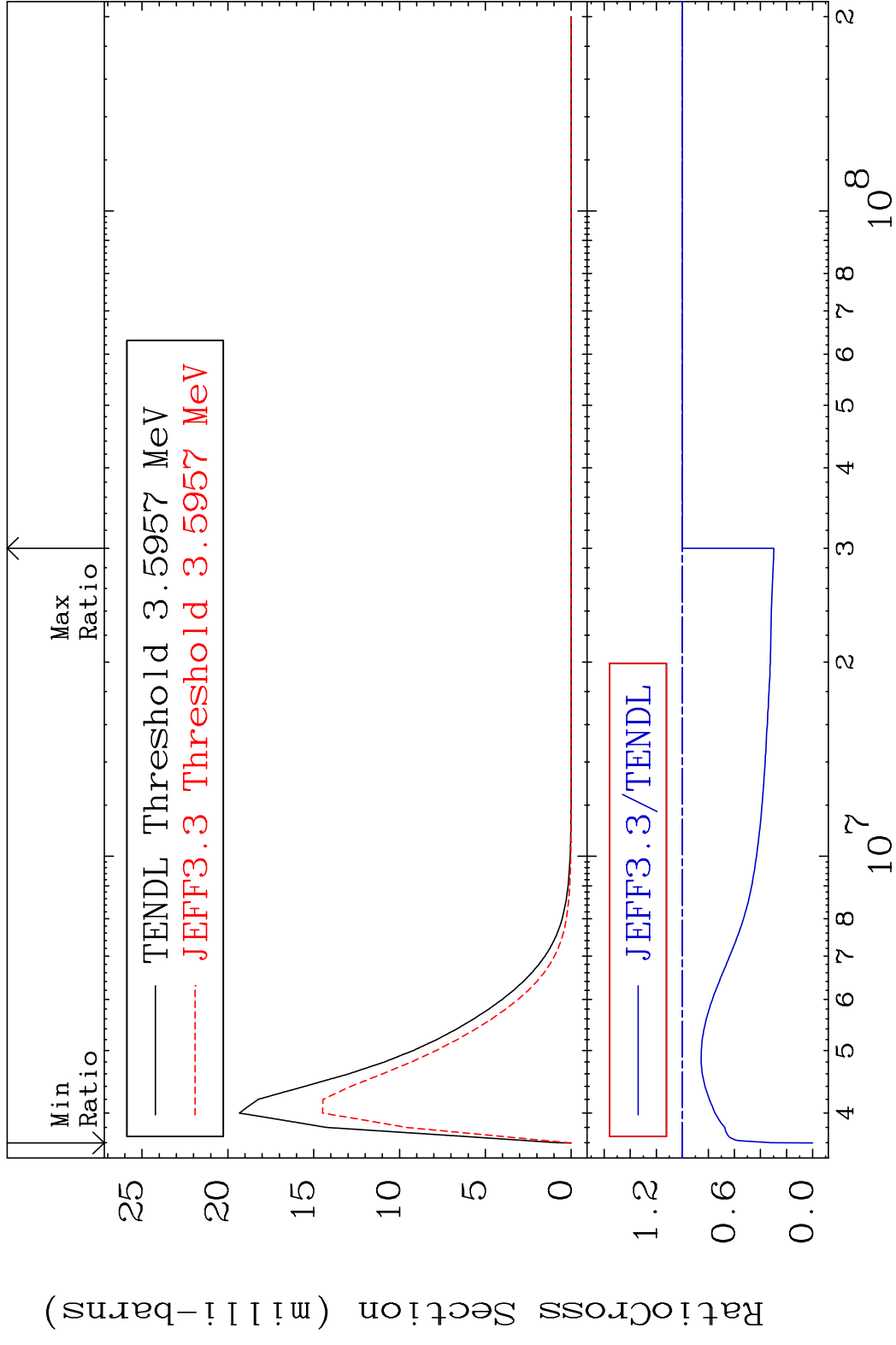


MAT 3843 MT= 72 (n, n') Level 38-Sr-90
 Cross Section -100.0 To 124.3 %

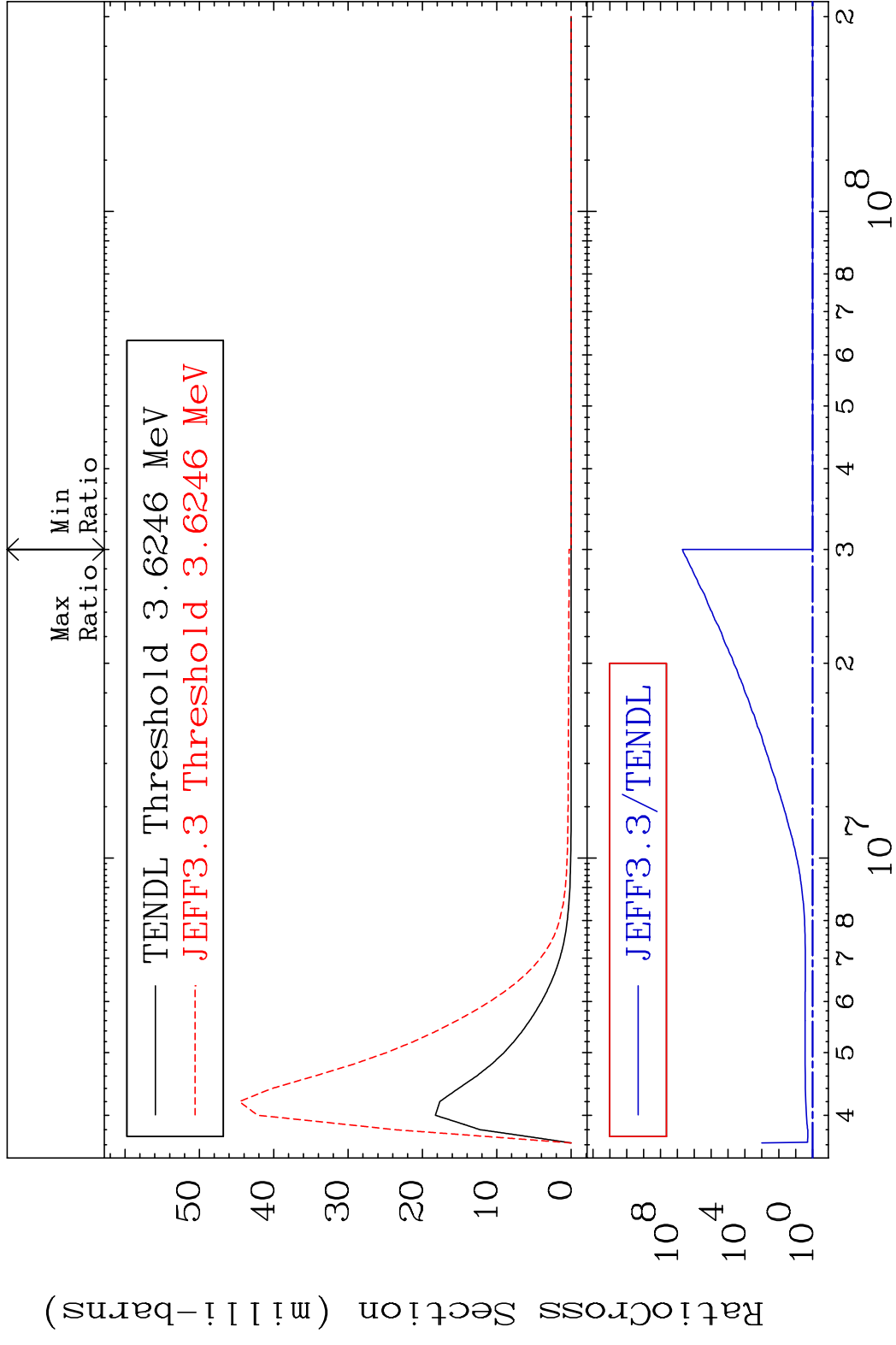


40 Incident Energy (eV) 38-Sr-90

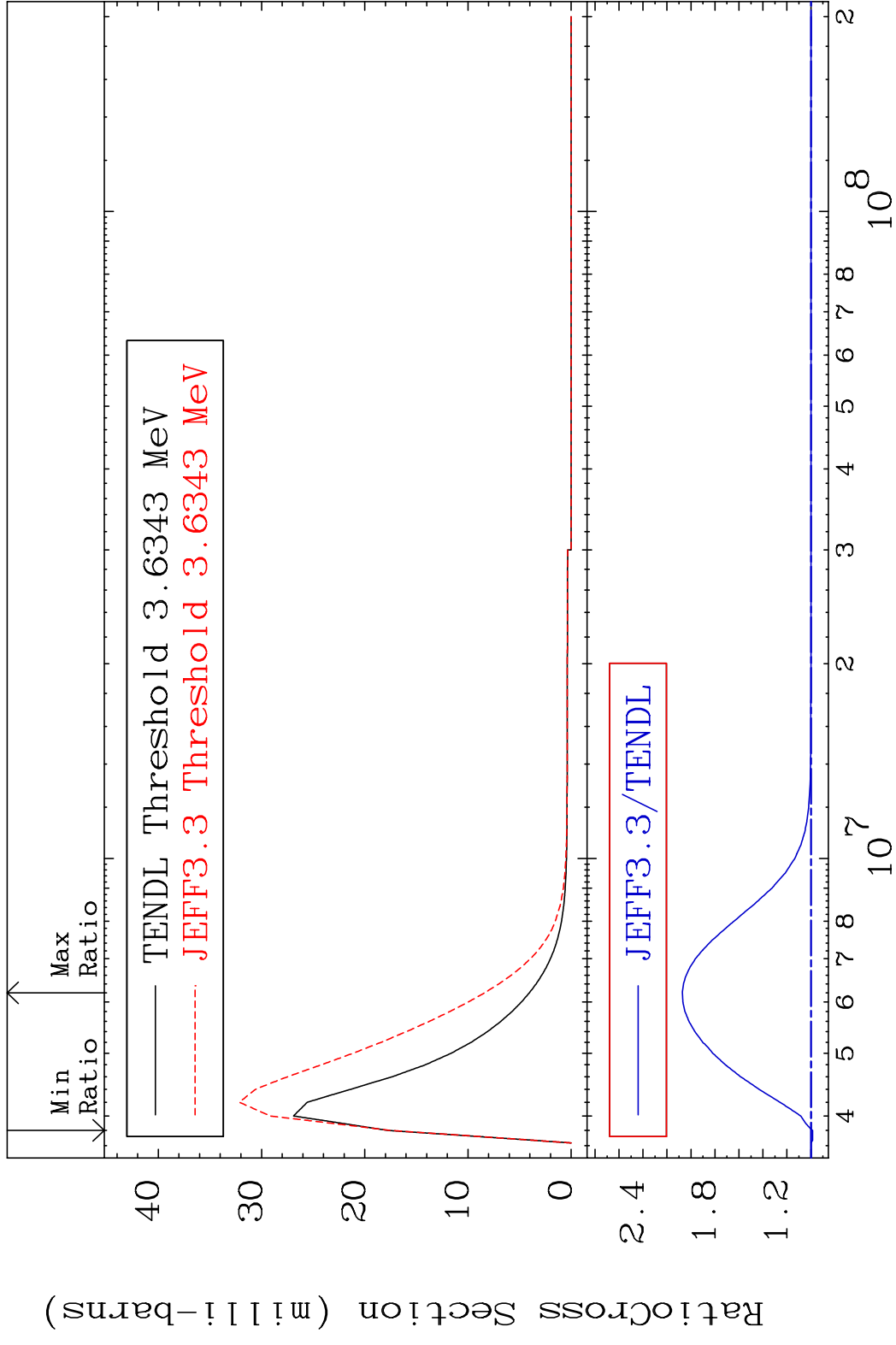
MAT 3843 MT= 73 (n, n') Level 38-Sr-90
 Cross Section -100.0 To 0.000 %



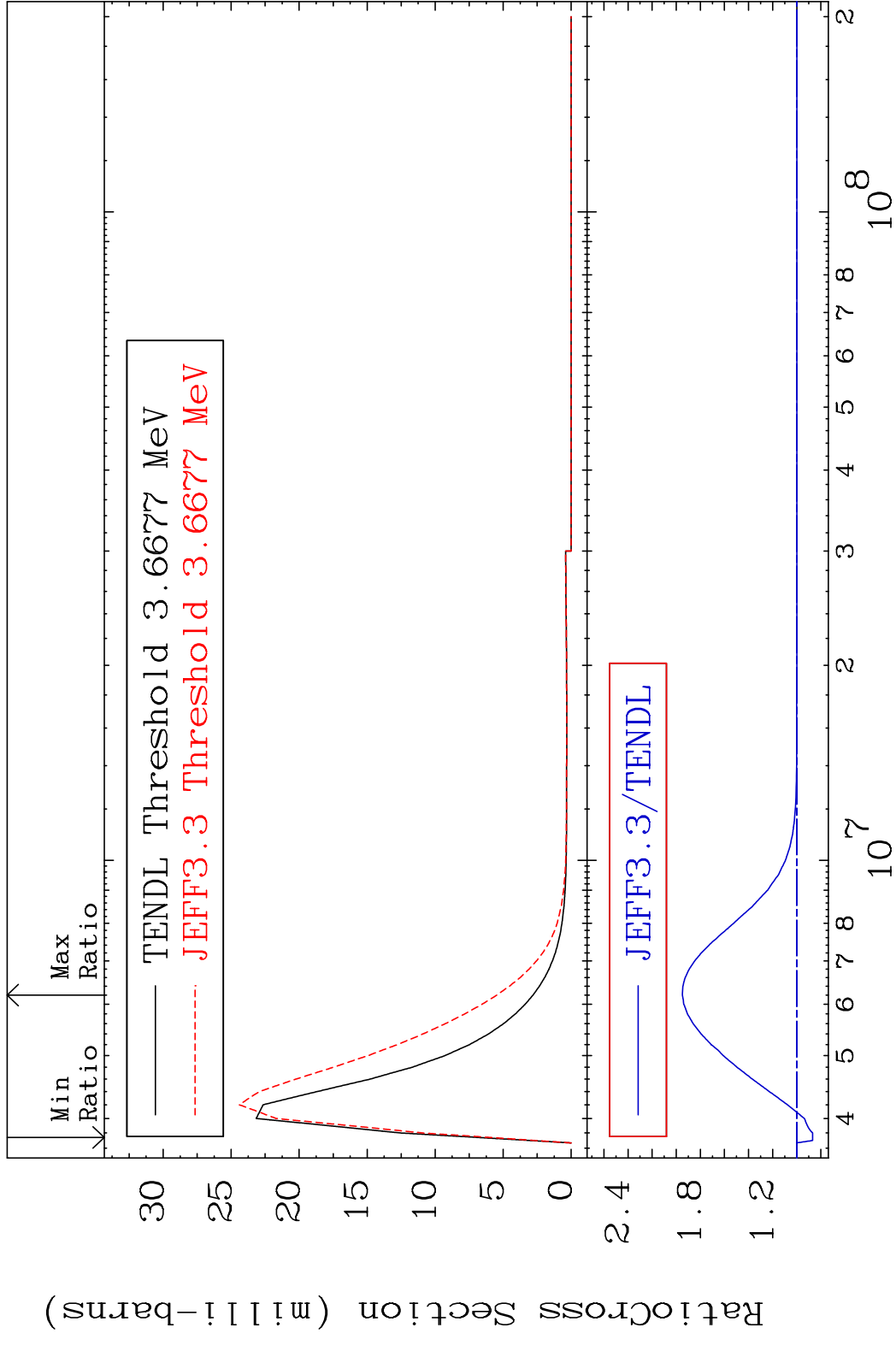
MAT 3843 MT= 74 (n, n') Level 38-Sr-90
 Cross Section 0.000 To 9999. %



MAT 3843 MT= 75 (n, n') Level 38-Sr-90
 Cross Section -1.372 To 107.2 %

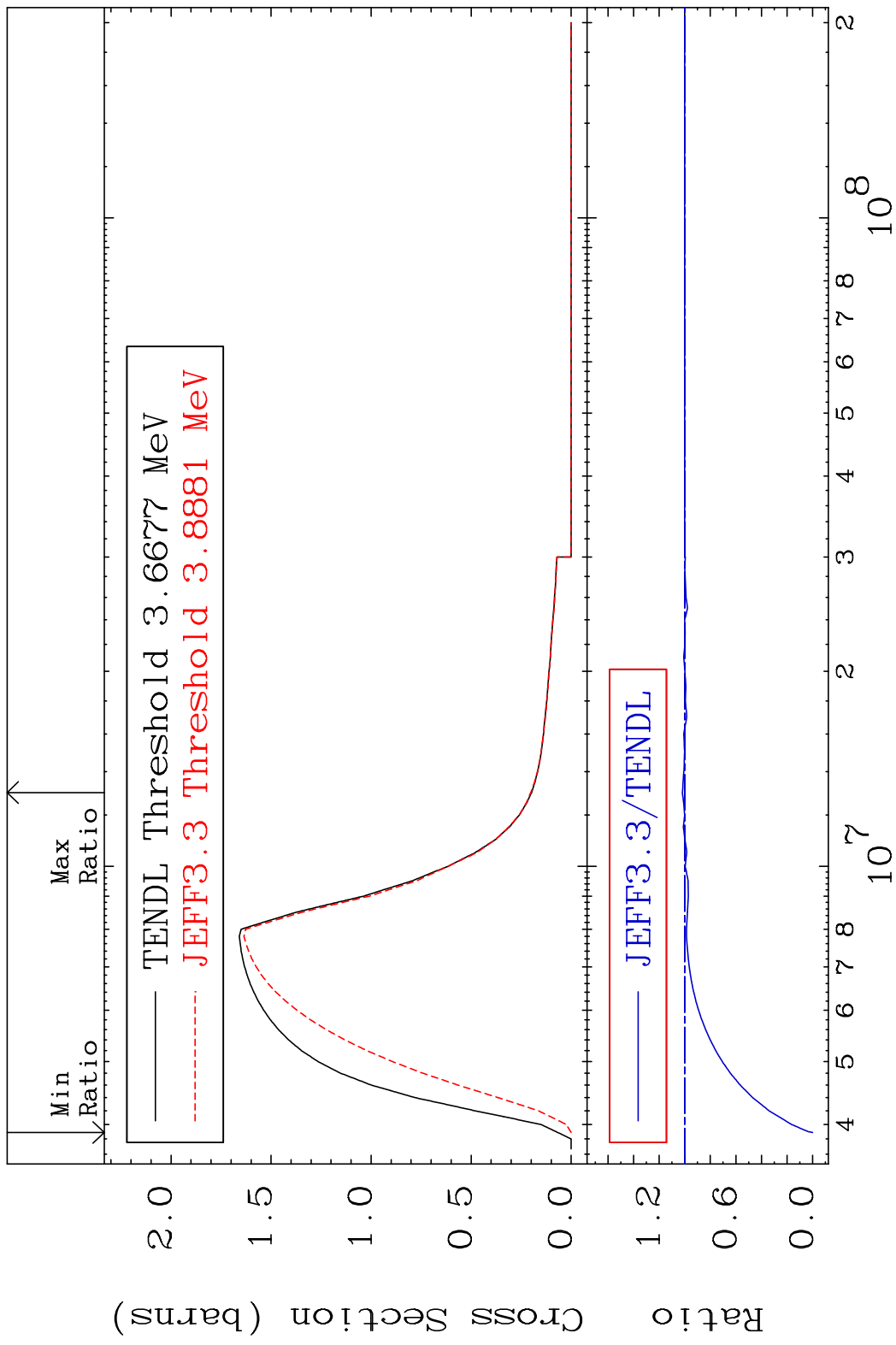


MAT 3843 MT= 76 (n, n') Level 38-Sr-90
 Cross Section -13.10 To 94.92 %



44 Incident Energy (eV) 38-Sr-90

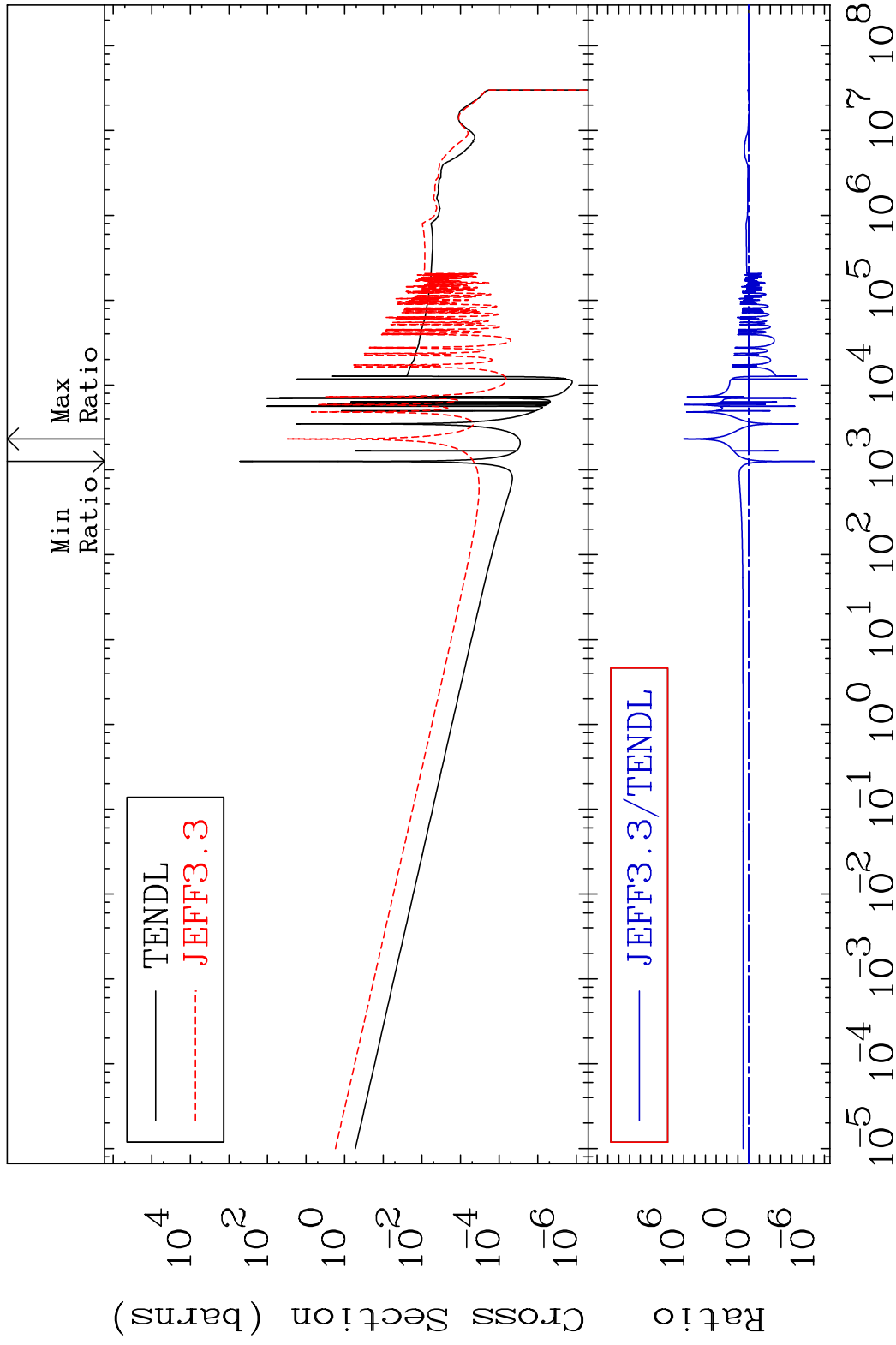
MAT 3843 (n,n') Continuum 38-Sr-90
 Cross Section -100.0 To 1.875 %



45 38-Sr-90

MAT 3843

(n, γ)
Cross Section -100.0 To 9999. %
38-Sr-90



46

Incident Energy (eV)

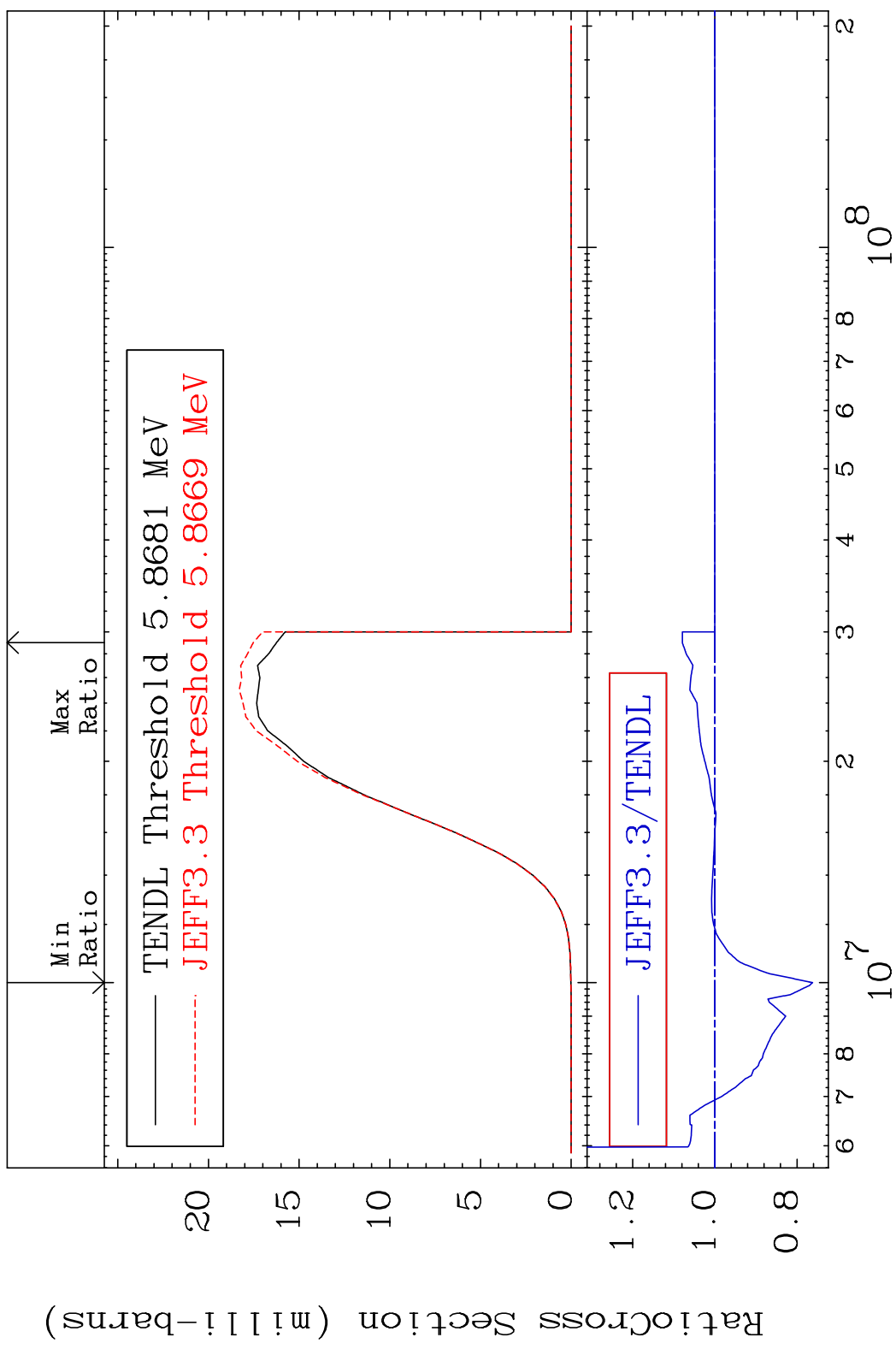
38-Sr-90

MAT 3843

(n, p)

38-Sr-90

Cross Section -23.79 To 7.899 %

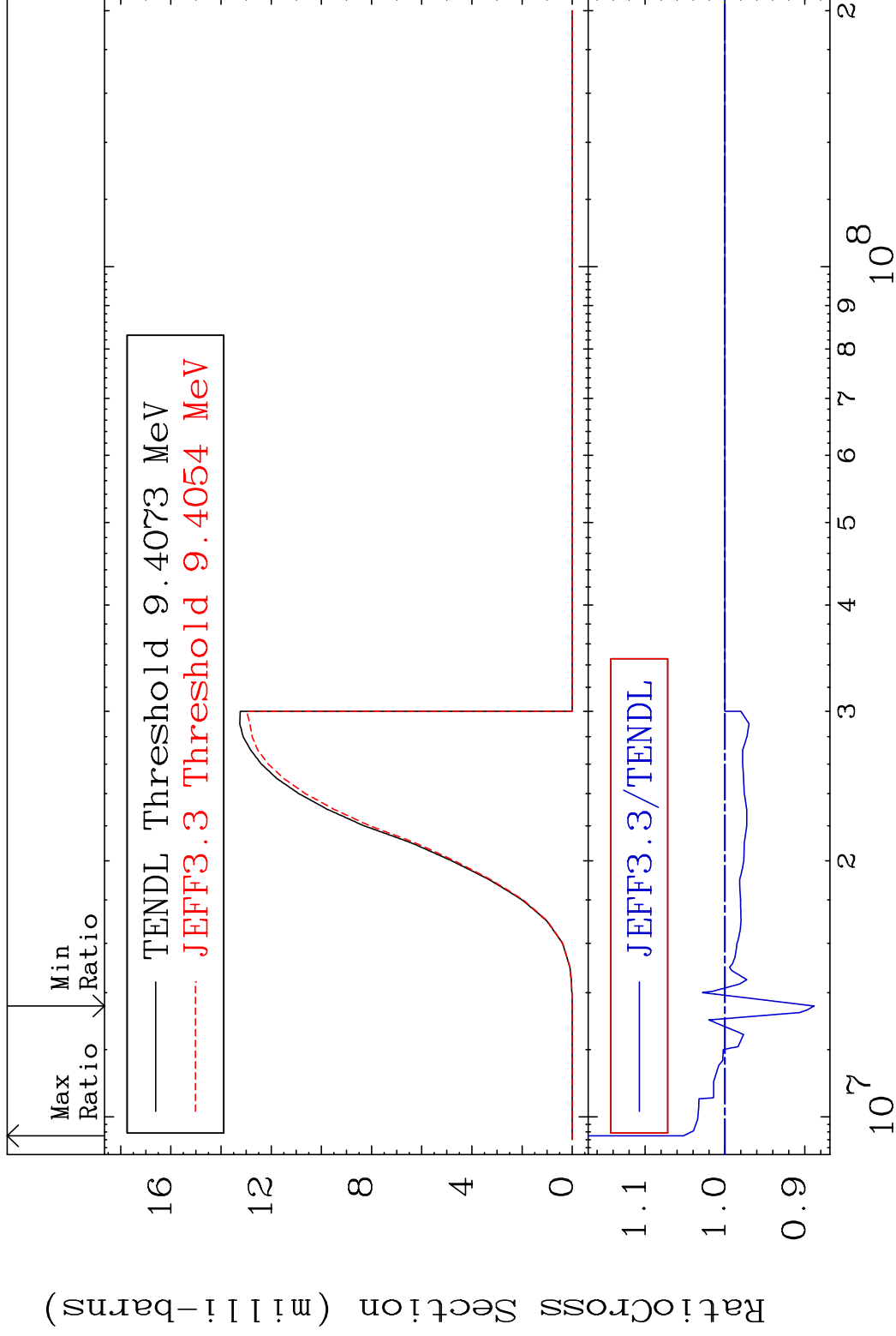


MAT 3843

(n, d)

38-Sr-90

Cross Section -11.16 To 5.164 %



48

Incident Energy (eV)

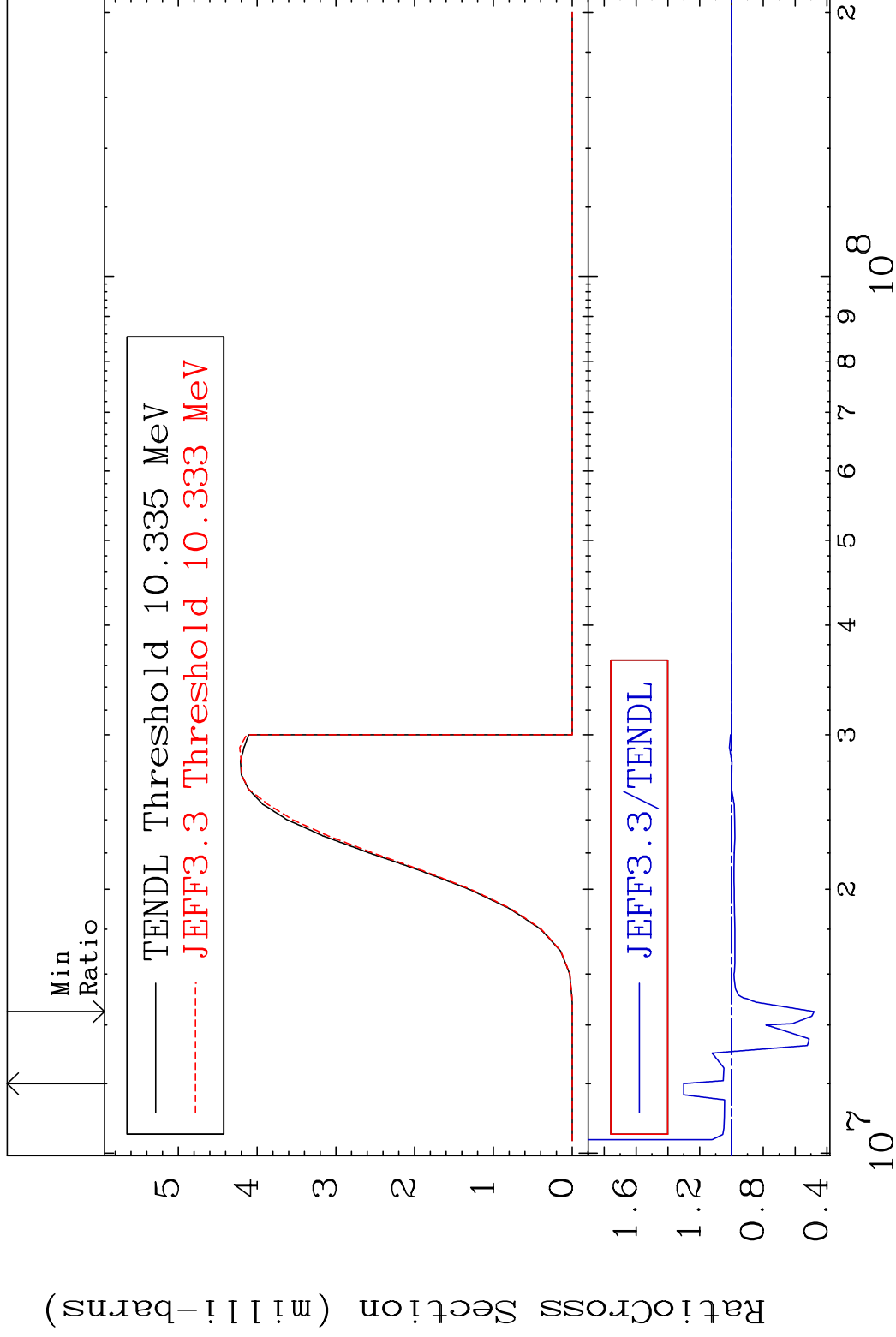
38-Sr-90

MAT 3843

(n, t)

38-Sr-90

Cross Section -51.94 To 30.09 %



49

Incident Energy (eV)

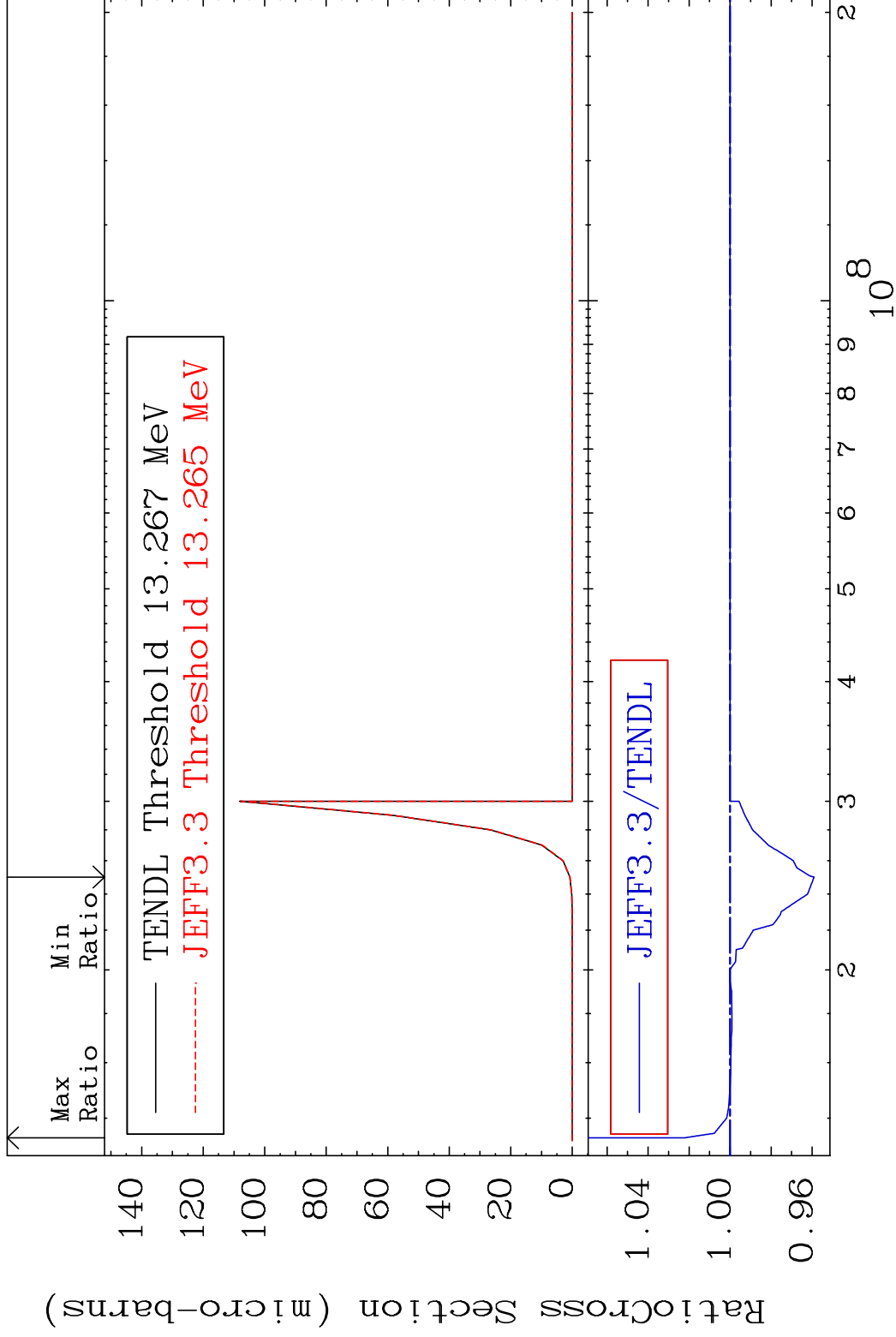
38-Sr-90

MAT 3843

(n, He-3)

38-Sr-90

Cross Section -4.097 To 2.264 %



50

Incident Energy (eV)

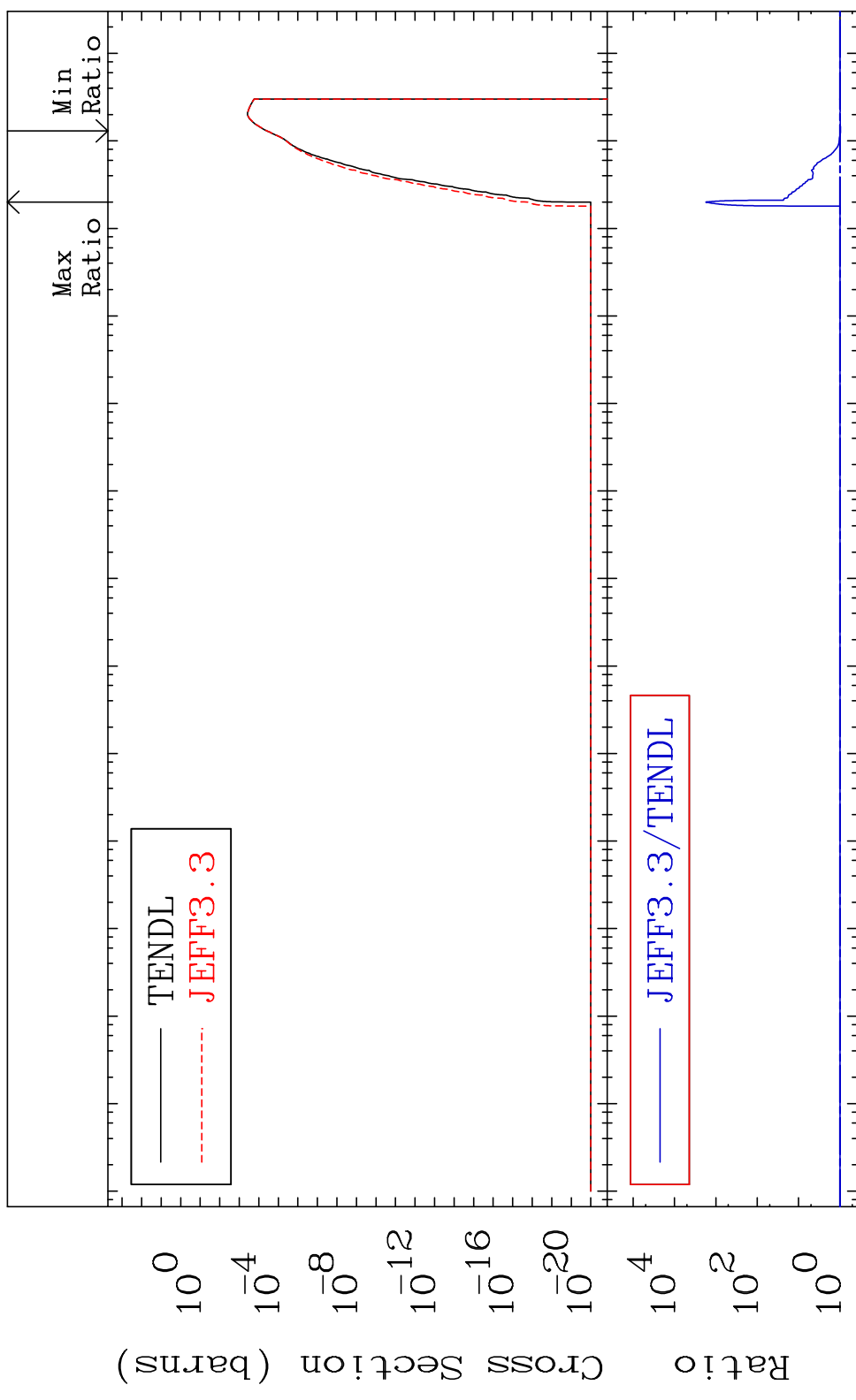
38-Sr-90

MAT 3843

(n, α)

38-Sr-90

Cross Section -2.949 To 9999. %

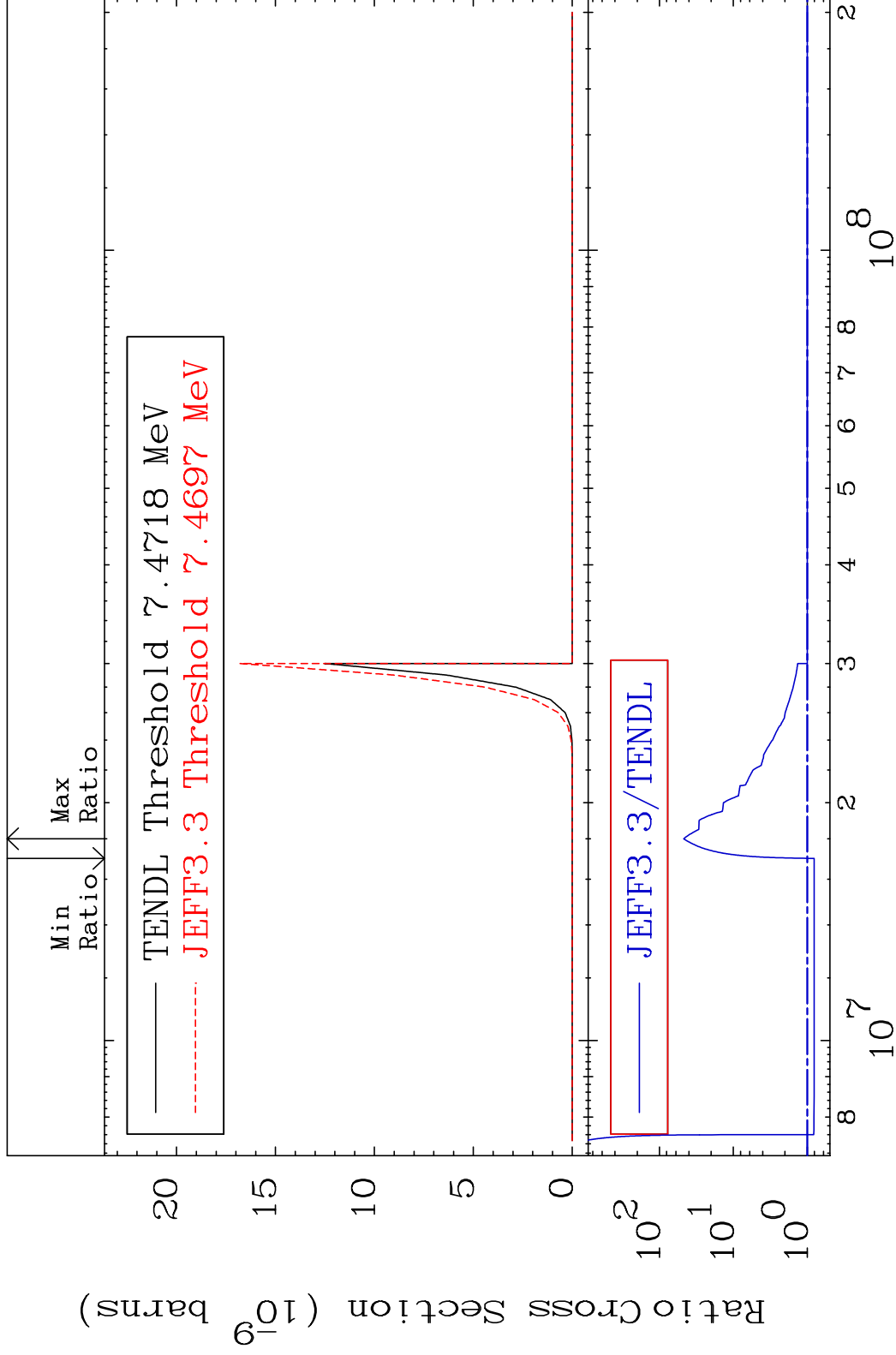


MAT 3843

(n,2α)

38-Sr-90

Cross Section -19.34 To 4607. %



52

Incident Energy (eV)

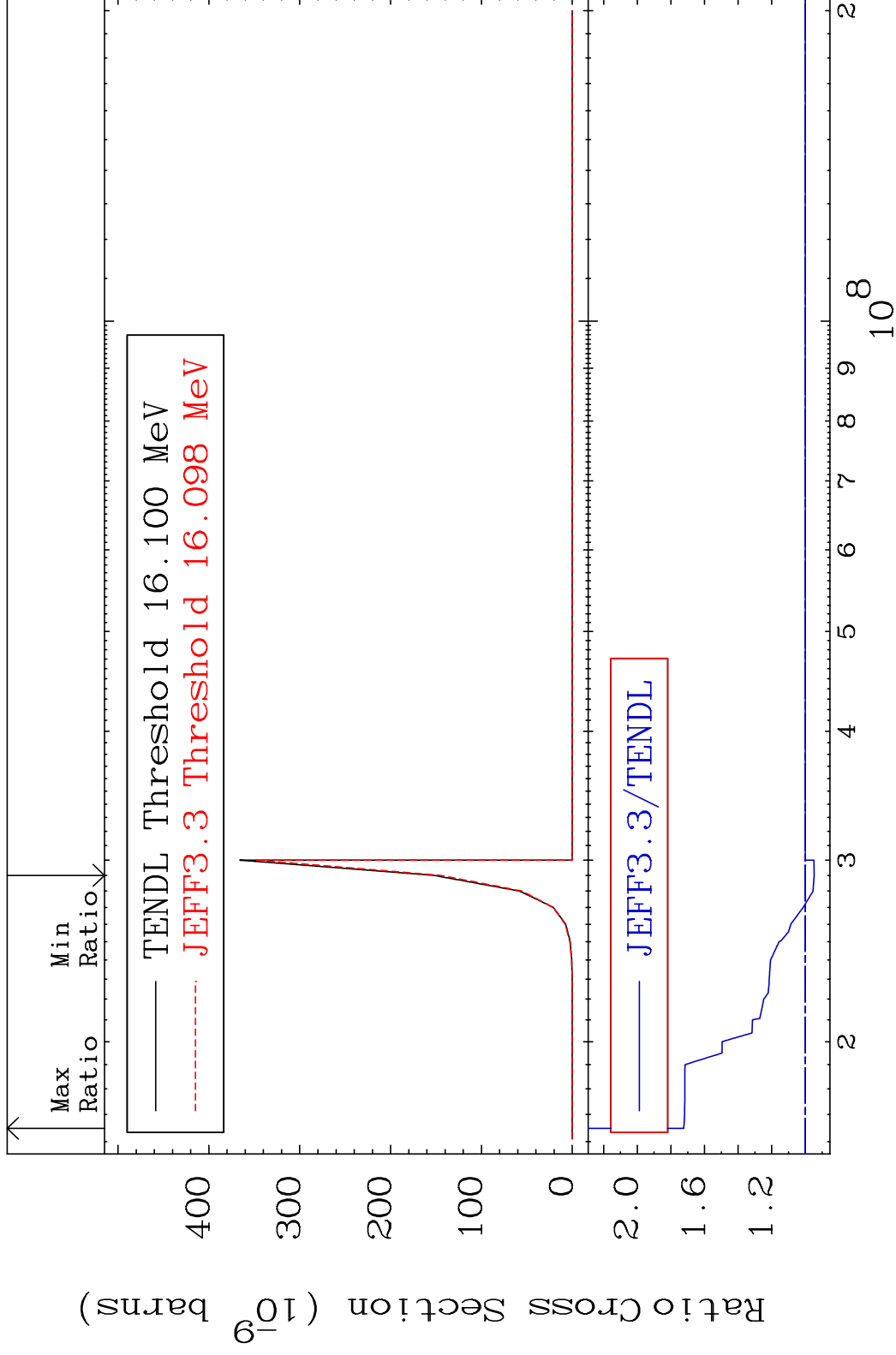
38-Sr-90

MAT 3843

(n,2p)

38-Sr-90

Cross Section -5.224 To 72.41 %



53

Incident Energy (eV)

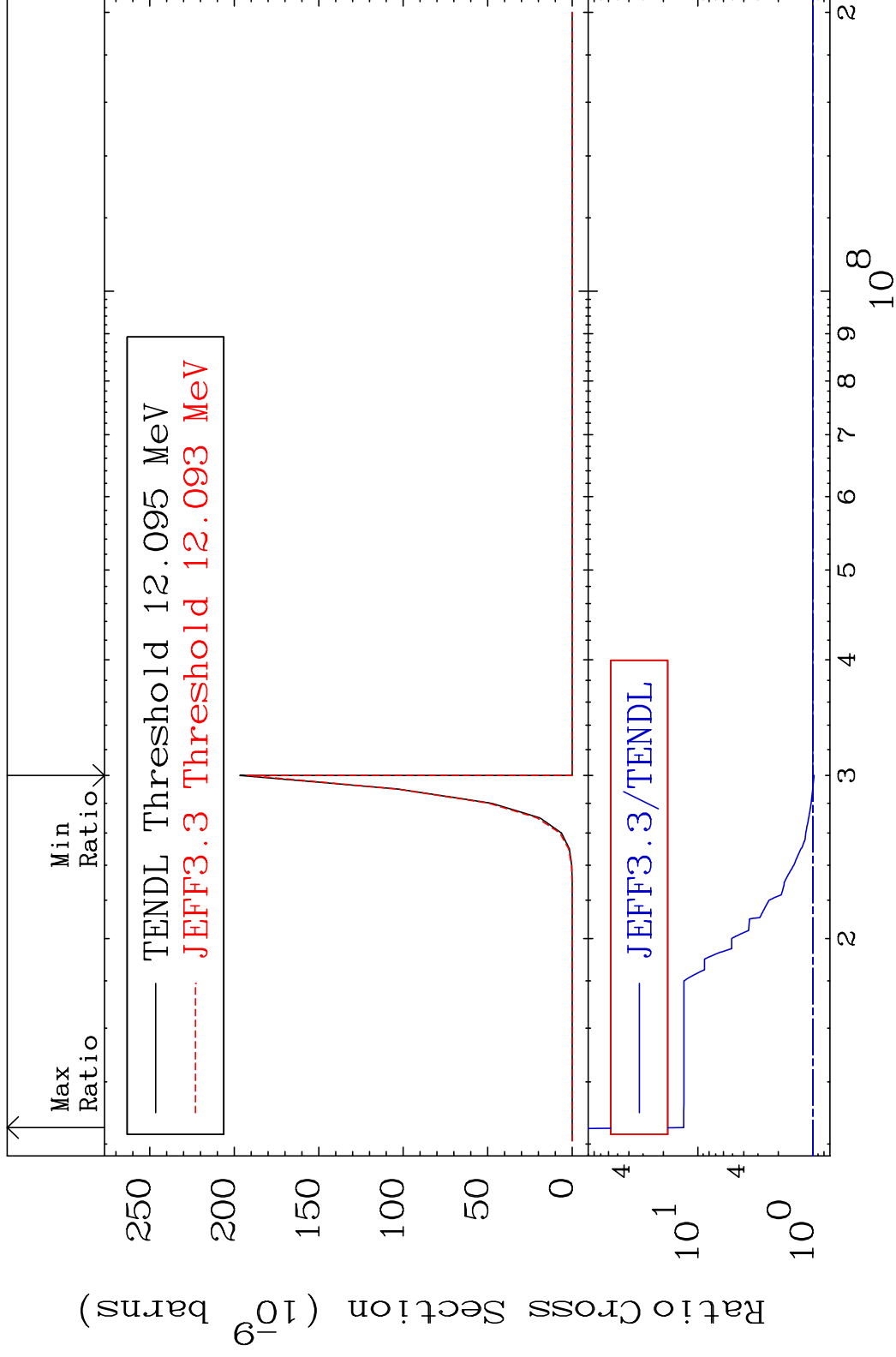
38-Sr-90

MAT 3843

(n,p) α

38-Sr-90

Cross Section -2.397 To 1232. %

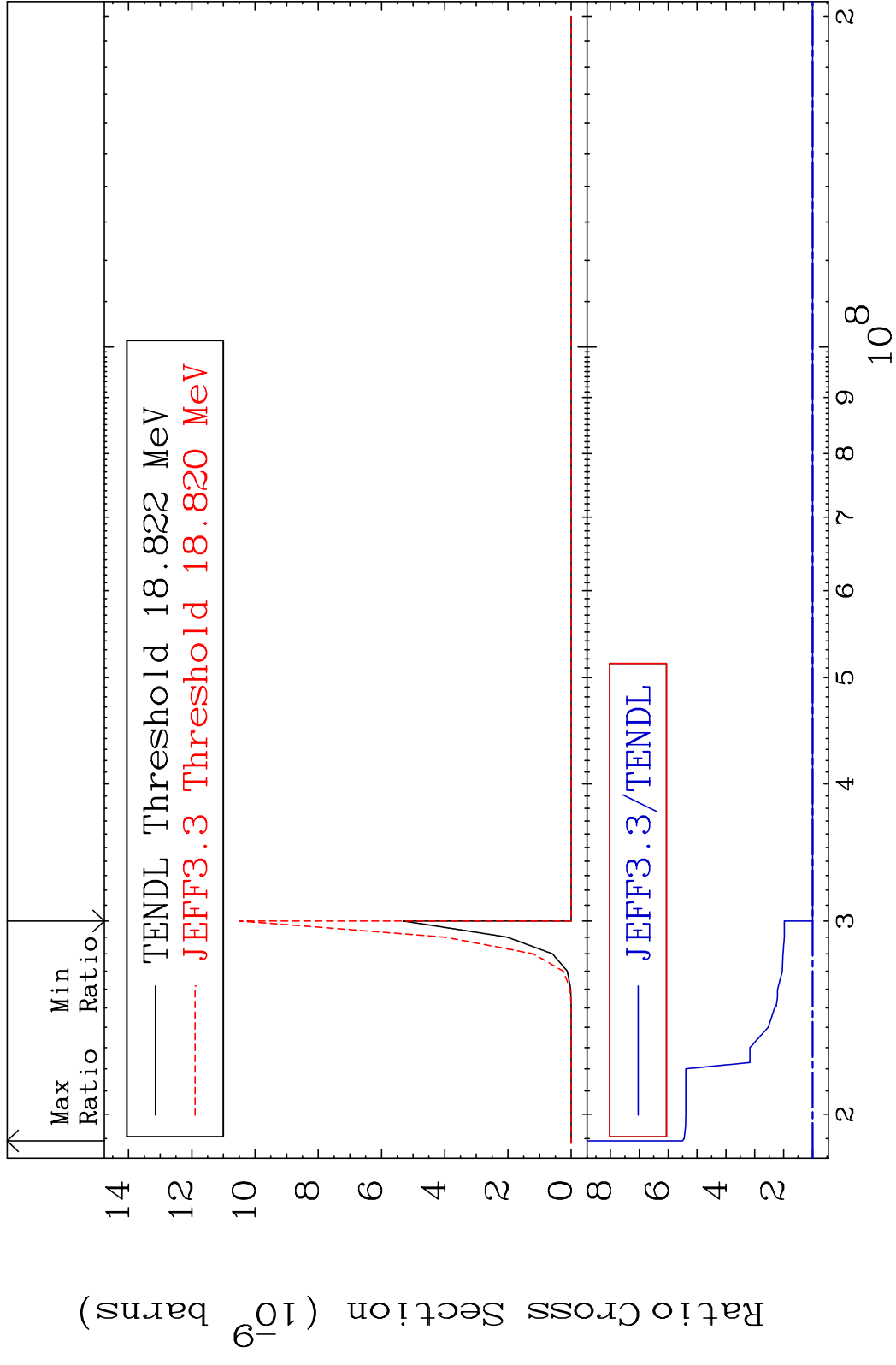


54

Incident Energy (eV)

38-Sr-90

MAT 3843 (n,p) d 38-Sr-90
 Cross Section 0.000 To 450.8 %

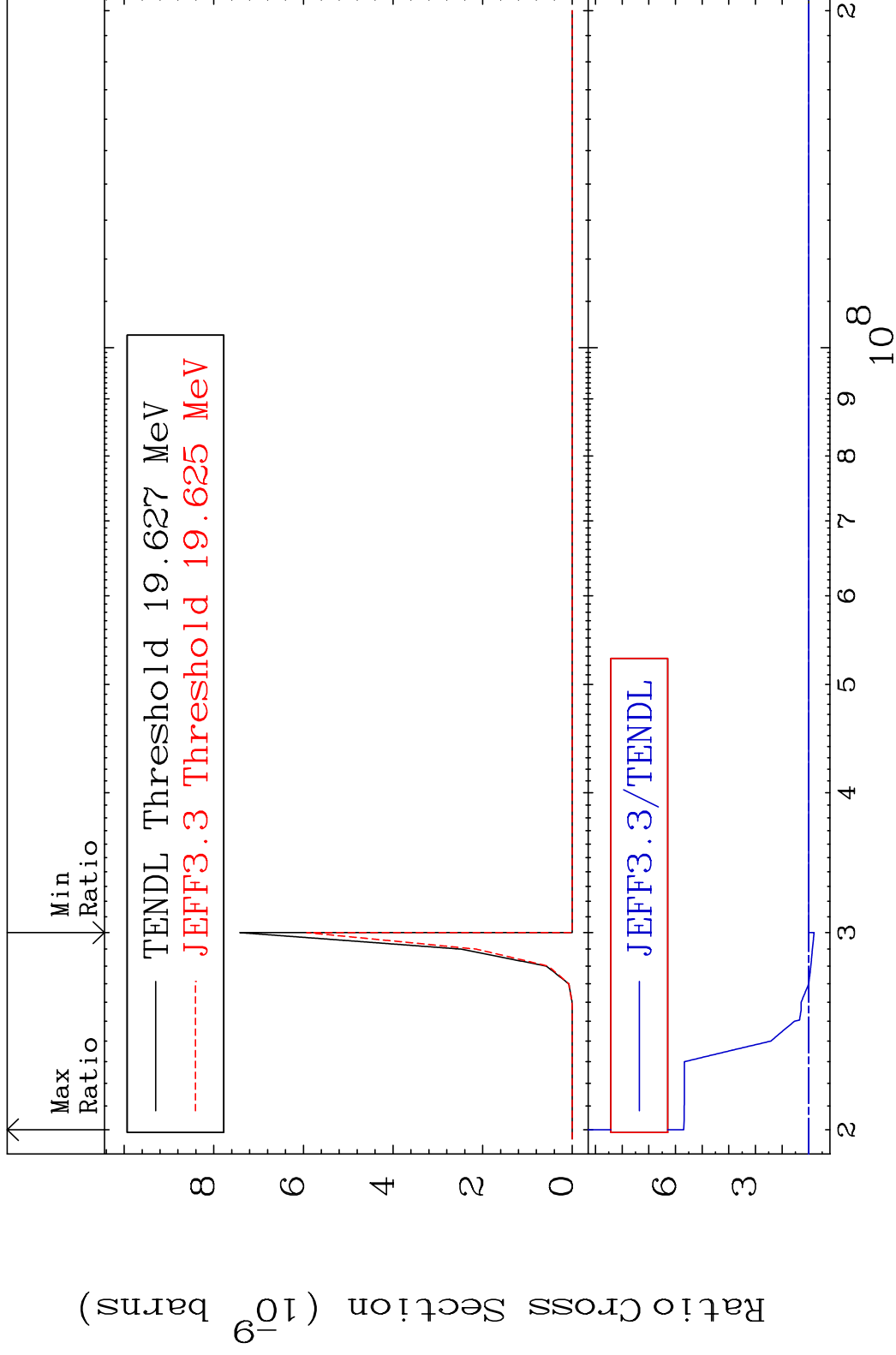


MAT 3843

(n,p) t

38-Sr-90

Cross Section -20.15 To 469.3 %

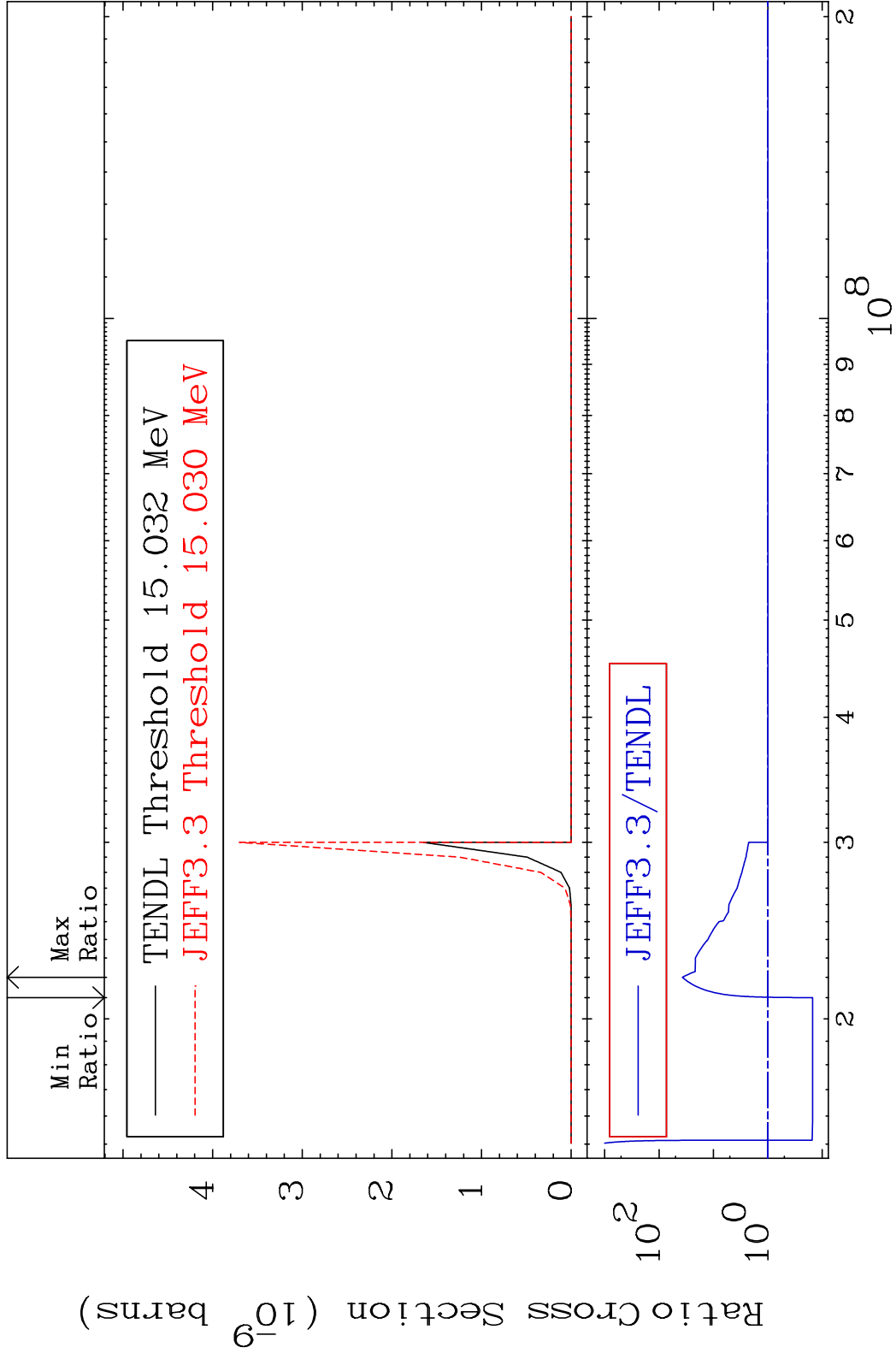


56

Incident Energy (eV)

38-Sr-90

MAT 3843 (n,d) α 38-Sr-90
 Cross Section -84.91 To 3637. %

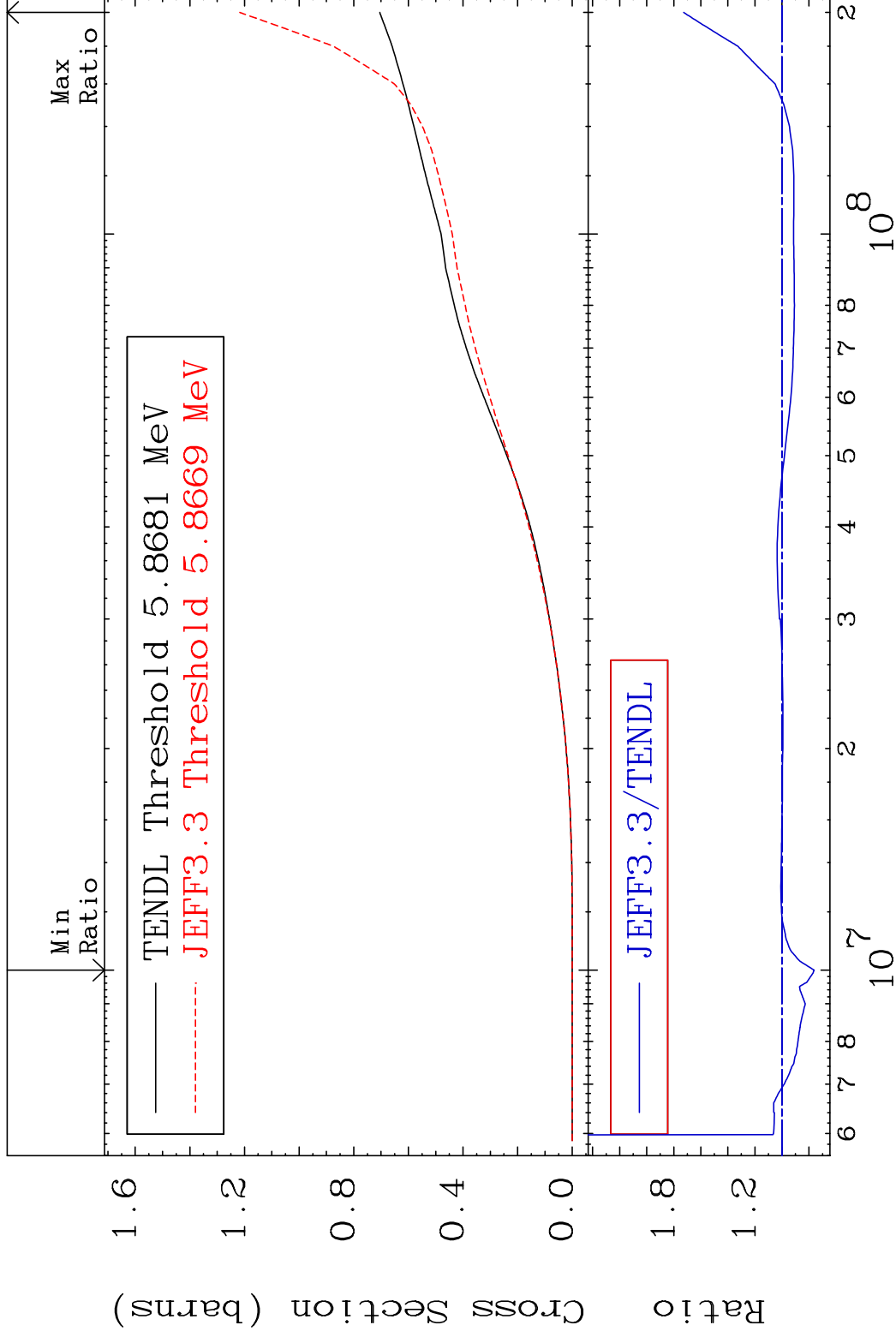


MAT 3843

Hydrogen Production

³⁸Sr-90

Cross Section -23.79 To 72.69 %



58

Incident Energy (eV)

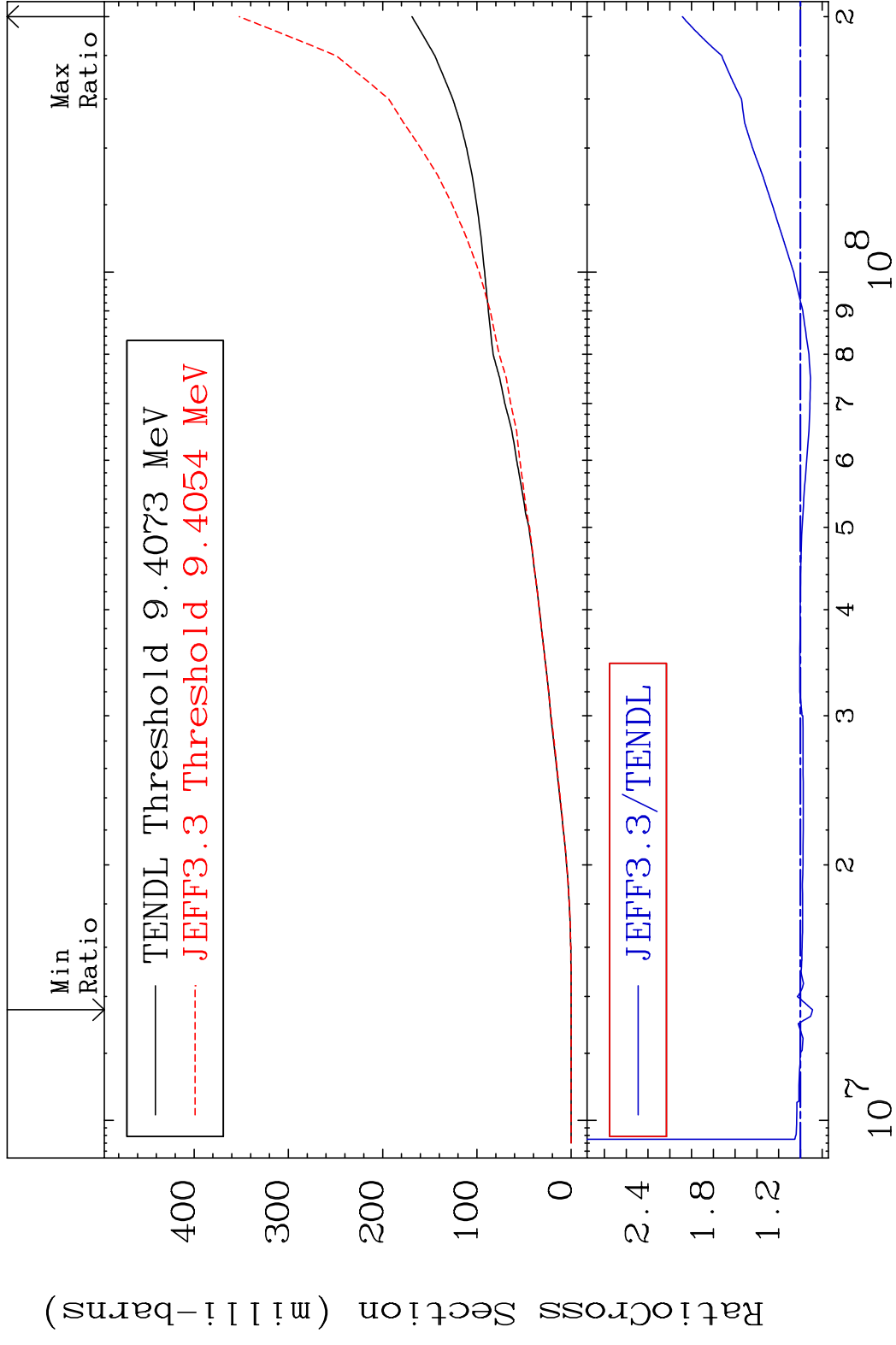
³⁸Sr-90

MAT 3843

Deuterium Production

38-Sr-90

Cross Section -11.16 To 108.4 %



59

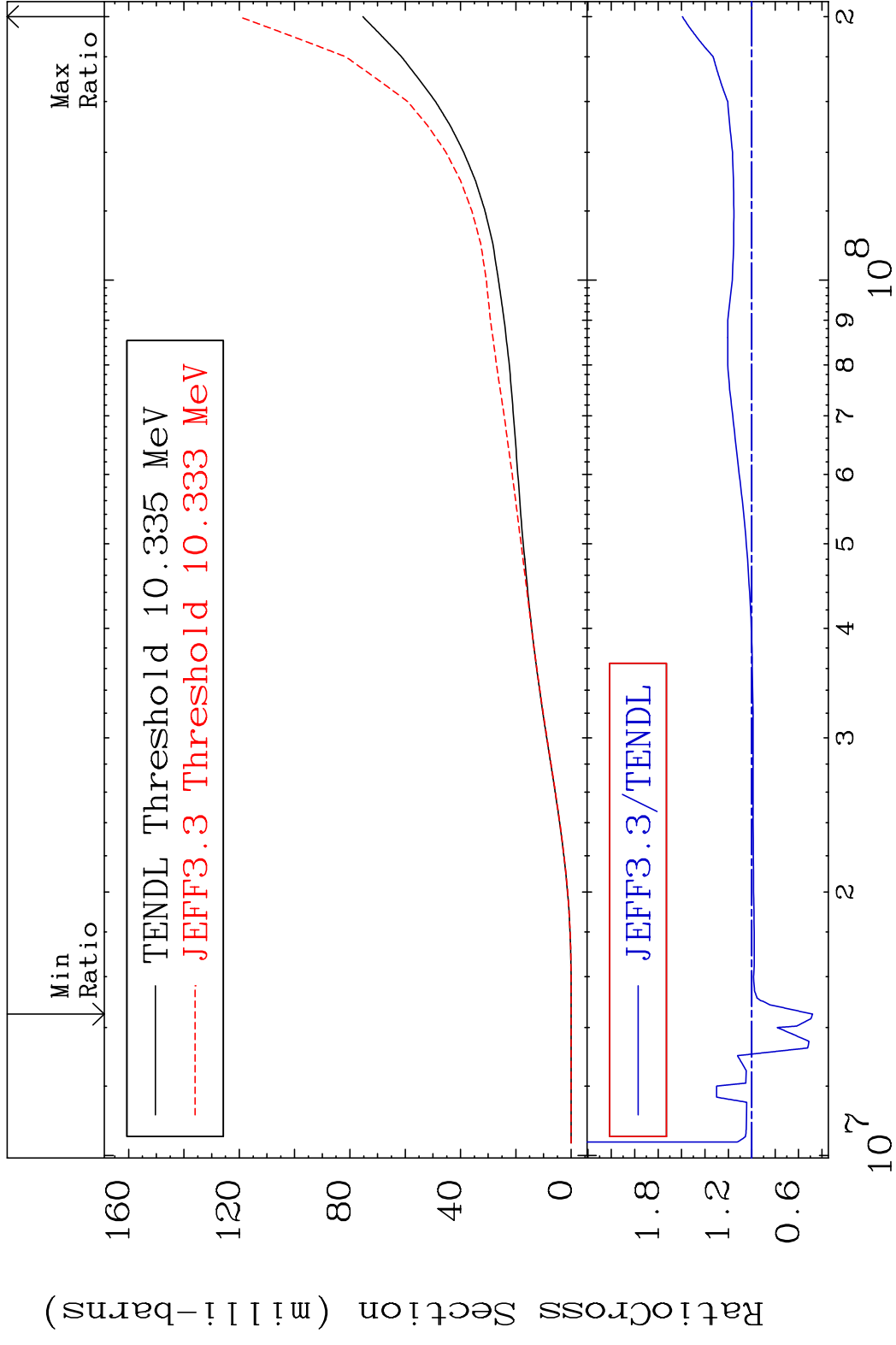
Incident Energy (eV)

38-Sr-90

MAT 3843

Tritium Production
Cross Section -51.94 To 59.30 %

38-Sr-90



60

Incident Energy (eV)

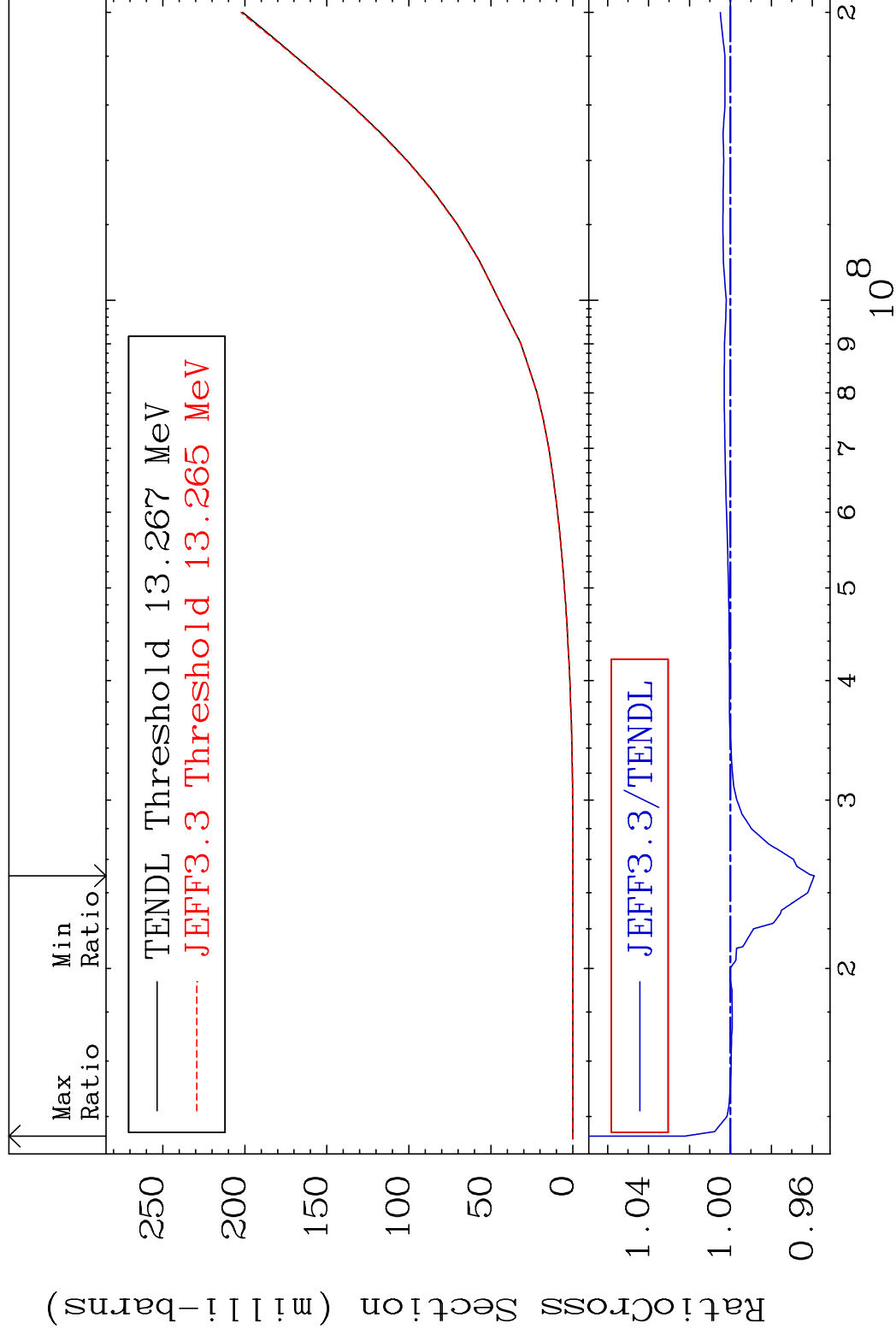
38-Sr-90

MAT 3843

He-3 Production

38-Sr-90

Cross Section -4.097 To 2.264 %



61

Incident Energy (eV)

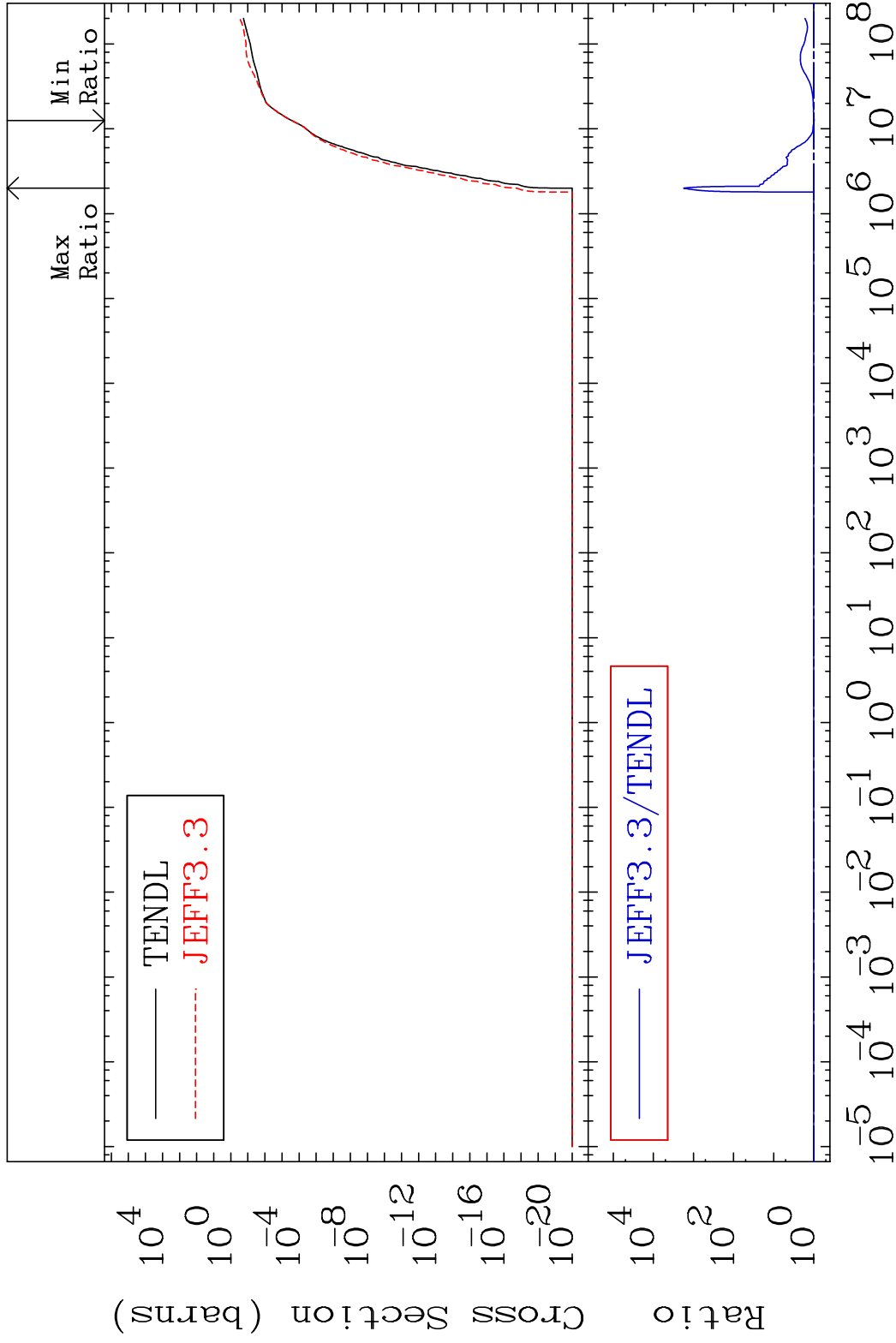
38-Sr-90

MAT 3843

He-4 Production

38-Sr-90

Cross Section -2.258 To 9999. %

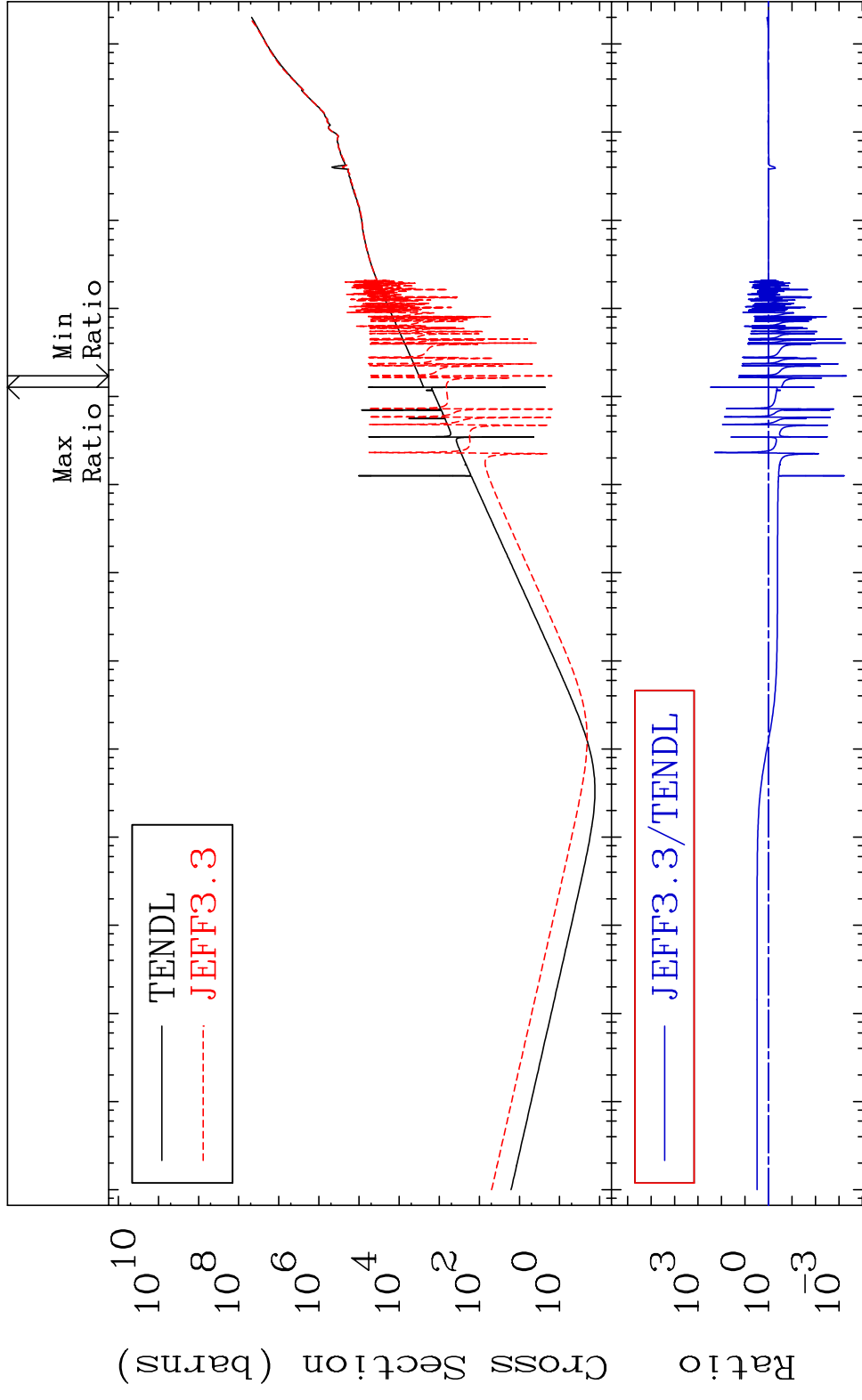


62

Incident Energy (eV)

38-Sr-90

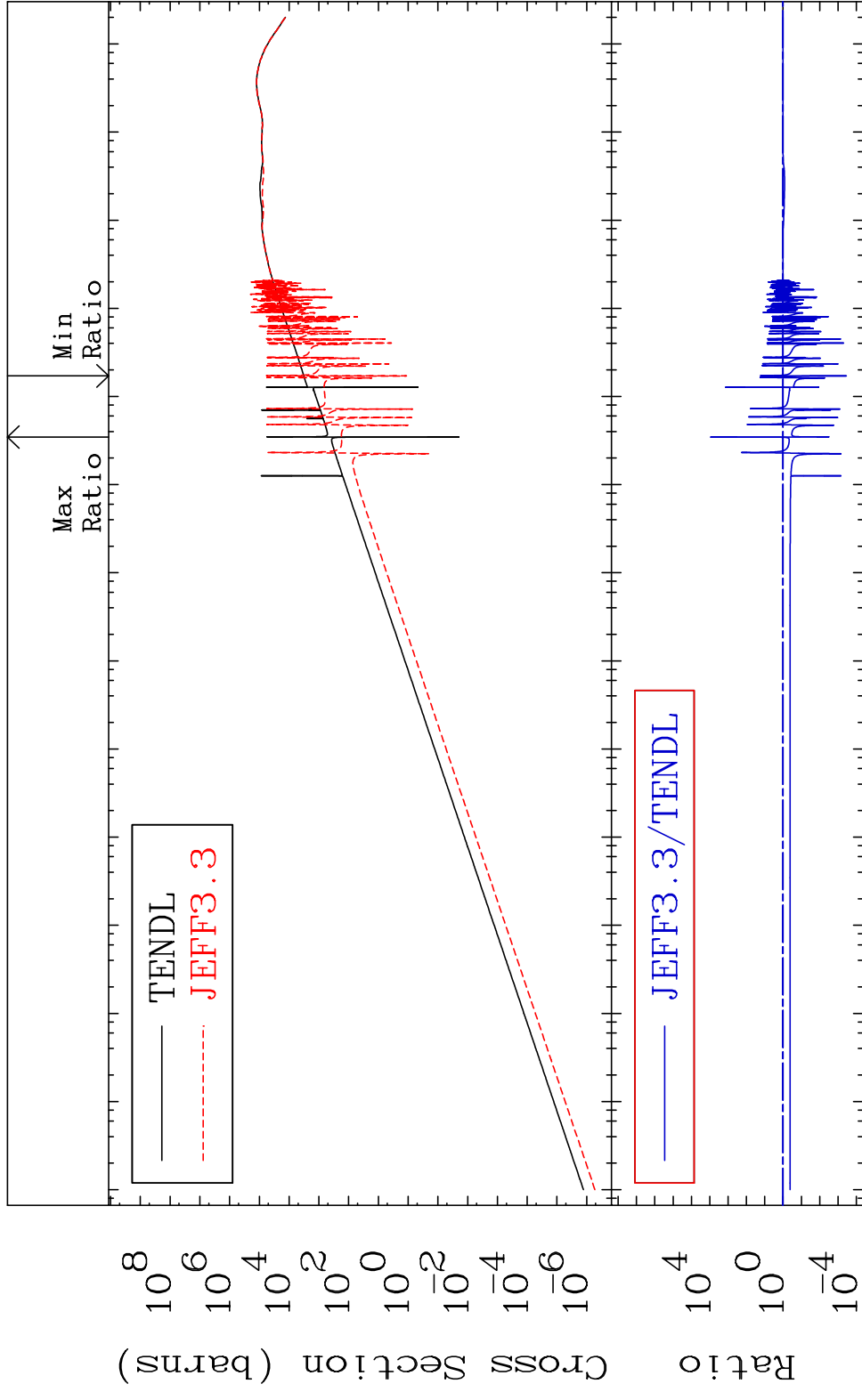
MAT 3843 Kerma total (eV-barns) 38-Sr-90
 Cross Section -99.95 To 9999. %



63 Incident Energy (eV) 38-Sr-90

MAT 3843

Kerma elastic Cross Section
38-Sr-90
-99.96 To 9999. %

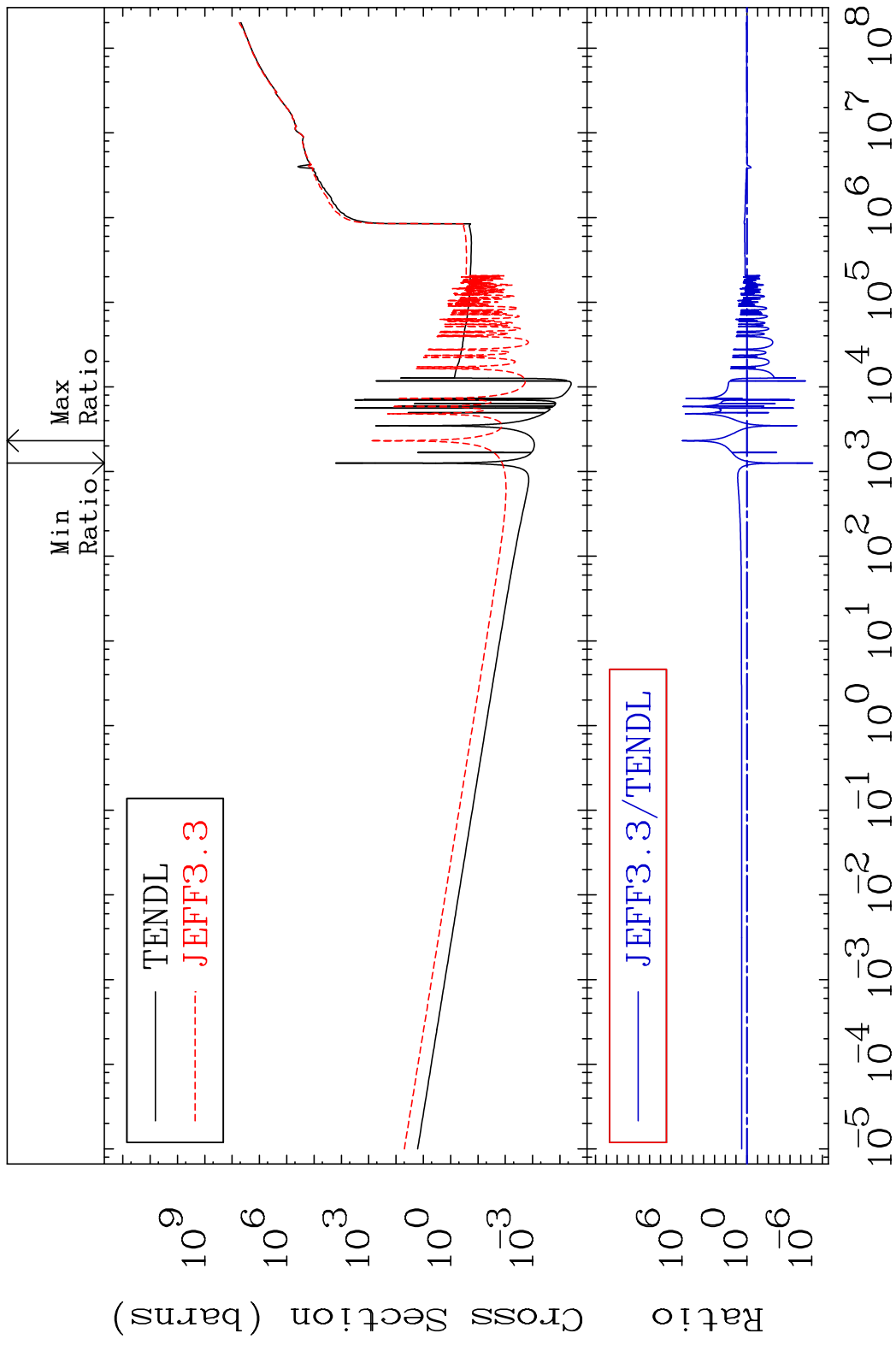


64

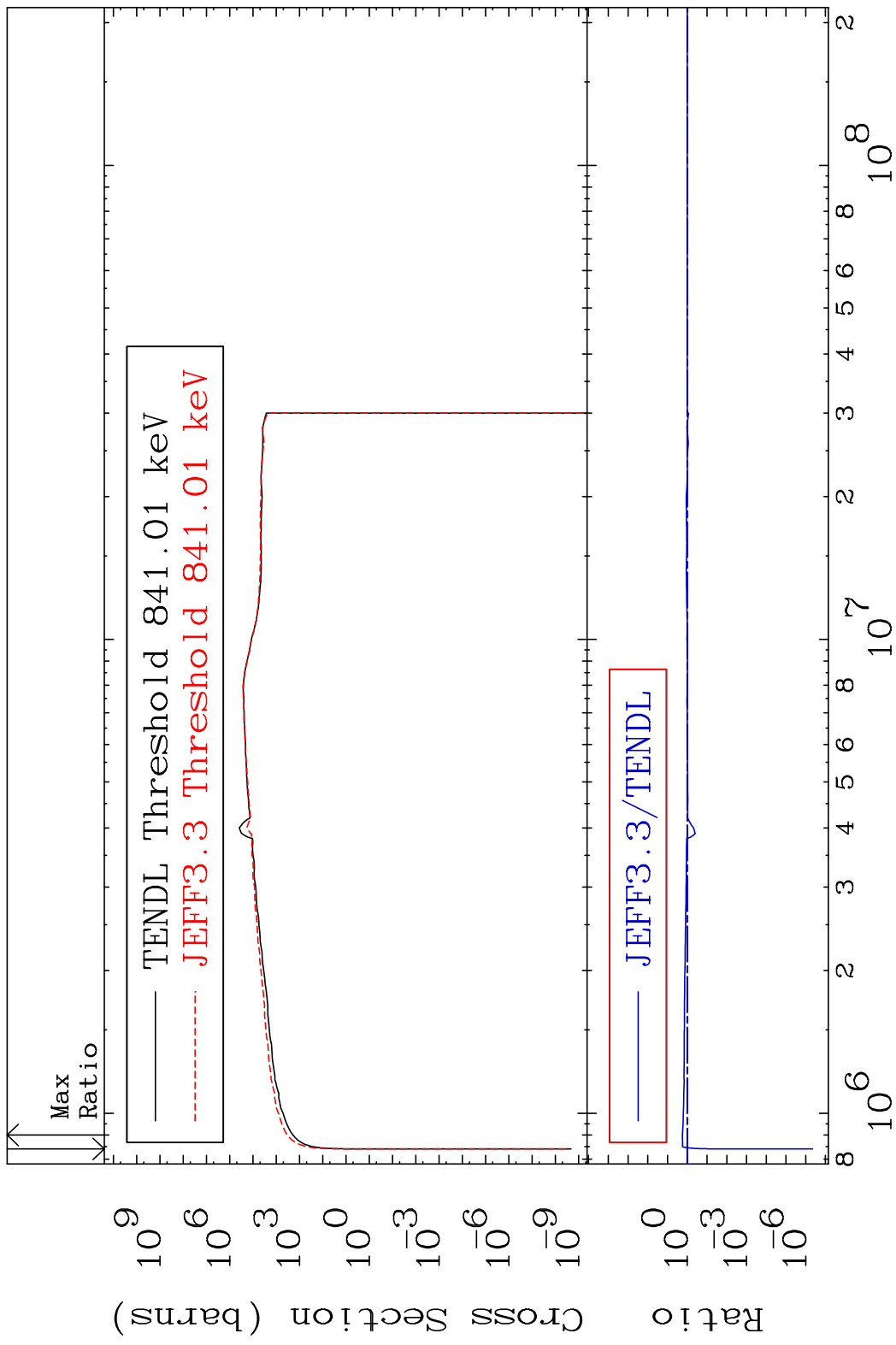
Incident Energy (eV)

38-Sr-90

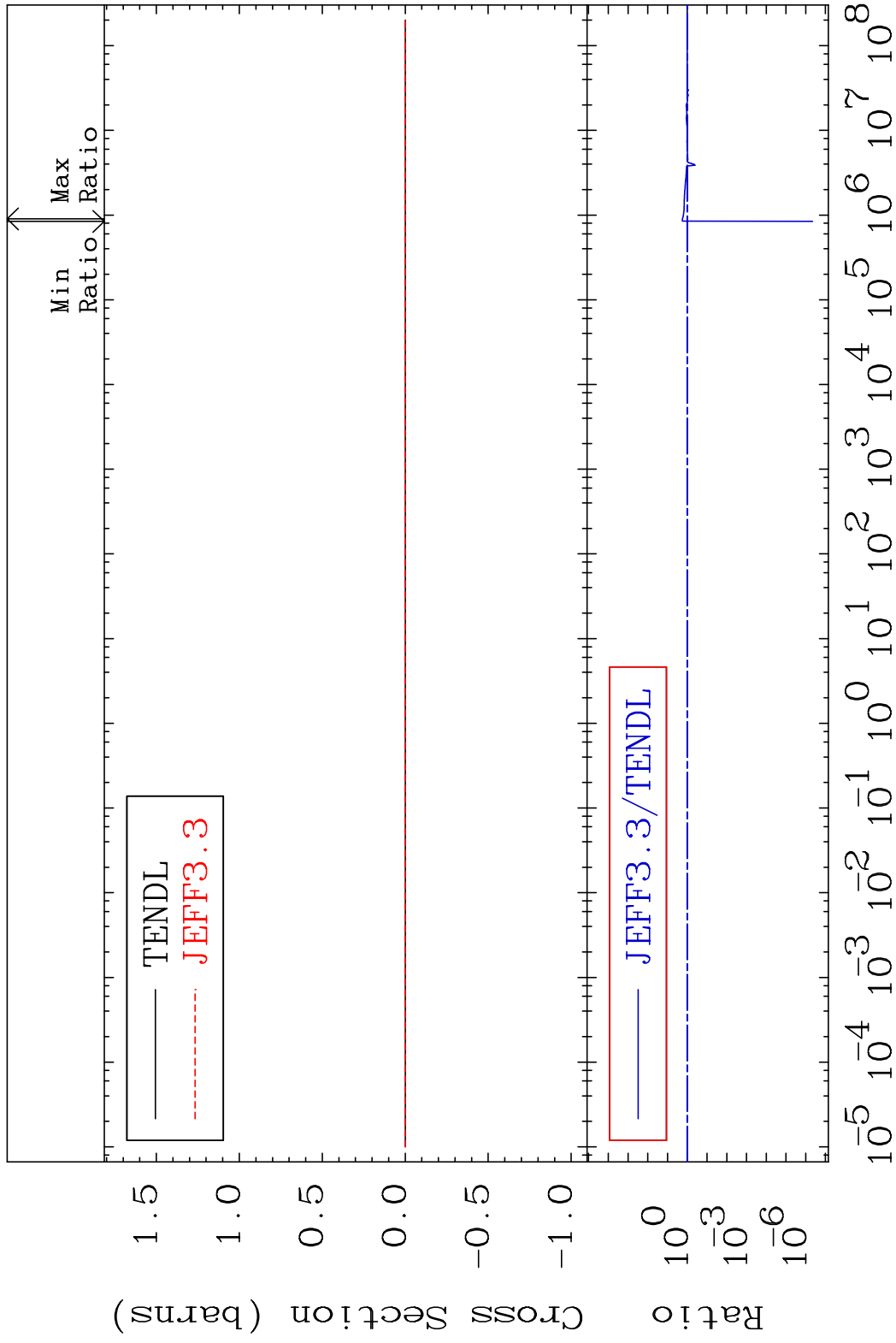
MAT 3843 Kerma non-elastic (all but mt2) 38-Sr-90
 Cross Section -100.0 To 9999. %



MAT 3843 Kerma inelastic (mt51-91) 38-Sr-90
 Cross Section -100.0 To 77.11 %

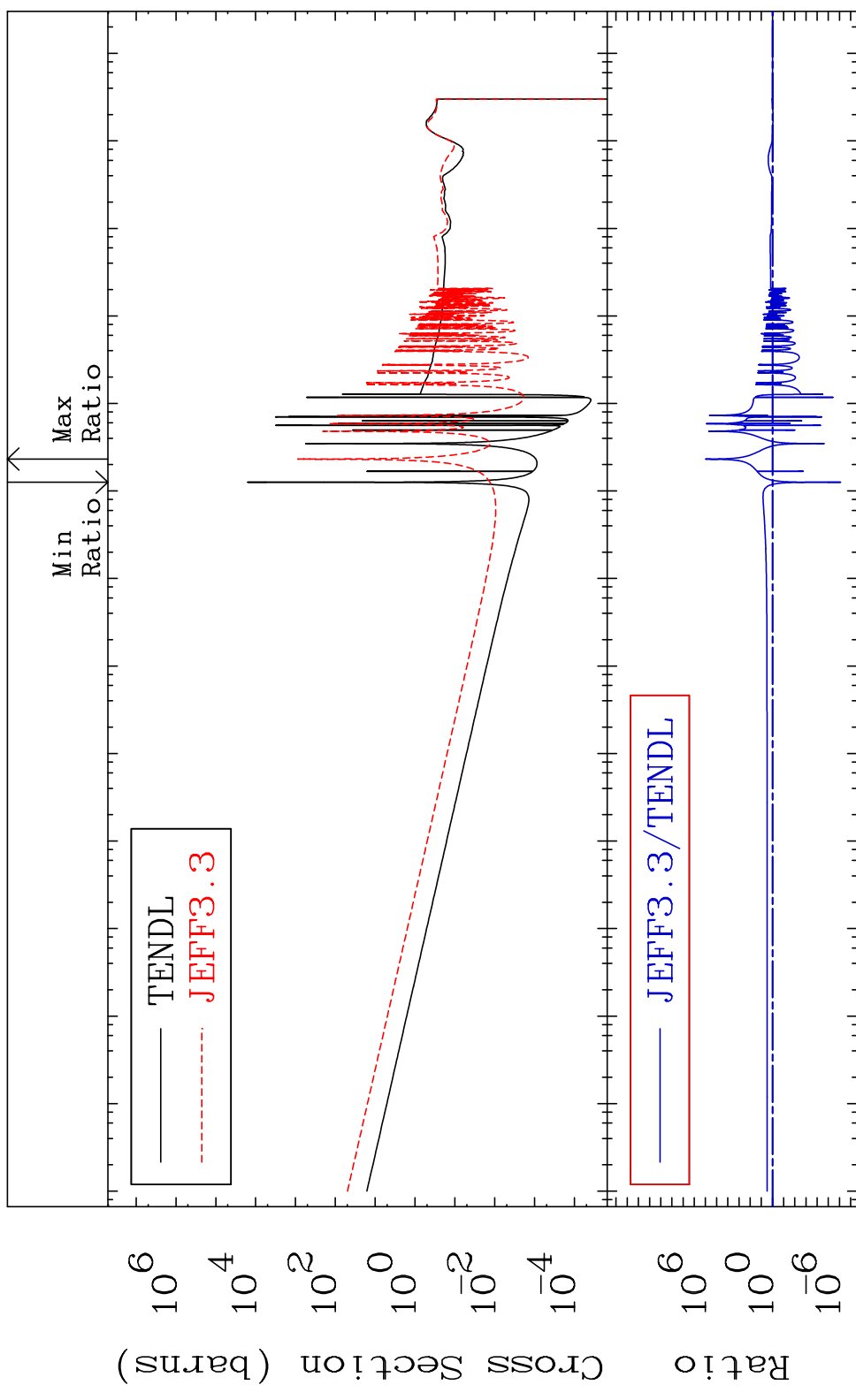


MAT 3843 Kerma fission (mt18 or mt19-20-21-38) 38-Sr-90
 Cross Section -100.0 To 77.11 %



MAT 3843

Kerma capture (mt102) 38-Sr-90
Cross Section -100.0 To 9999. %

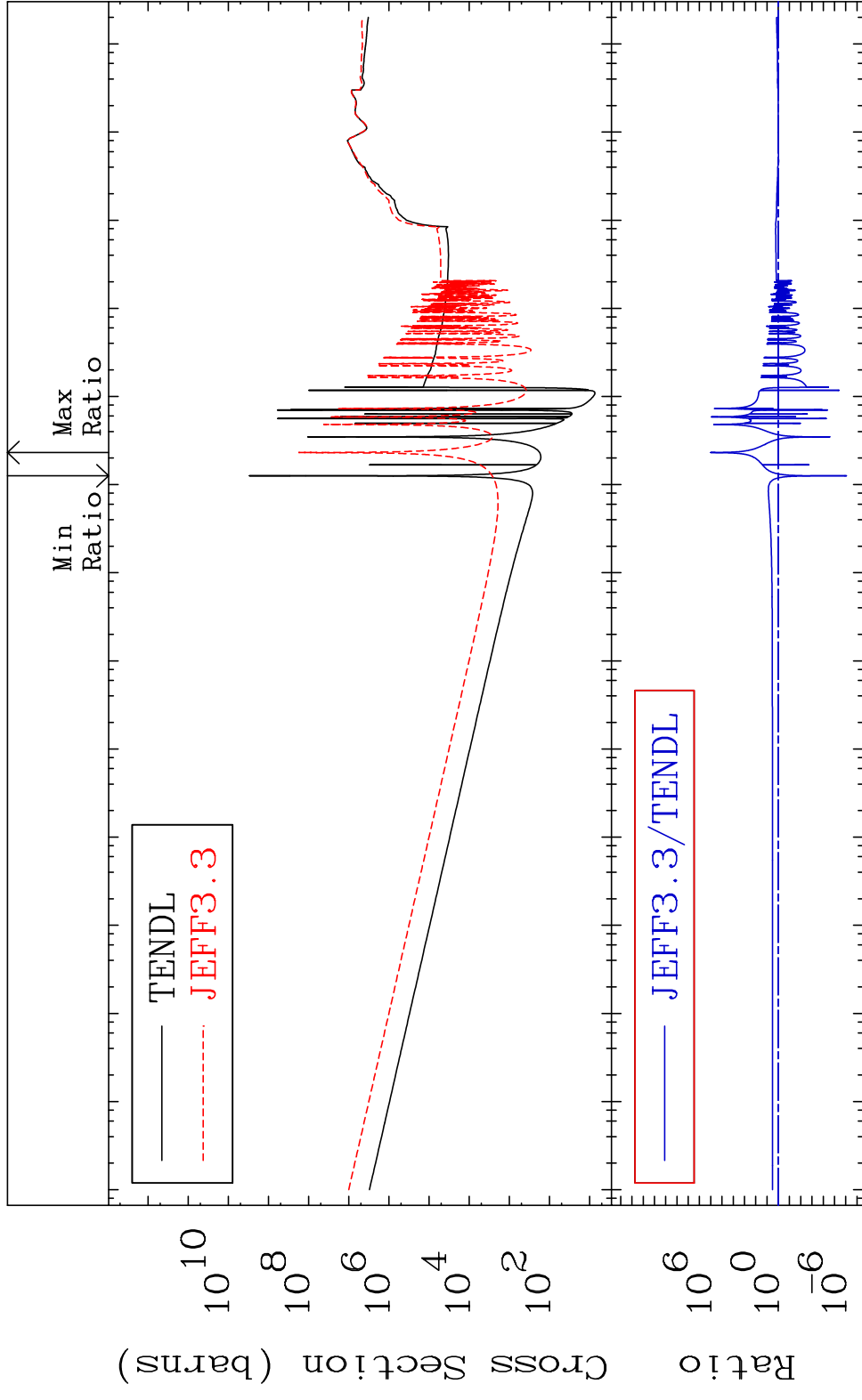


68

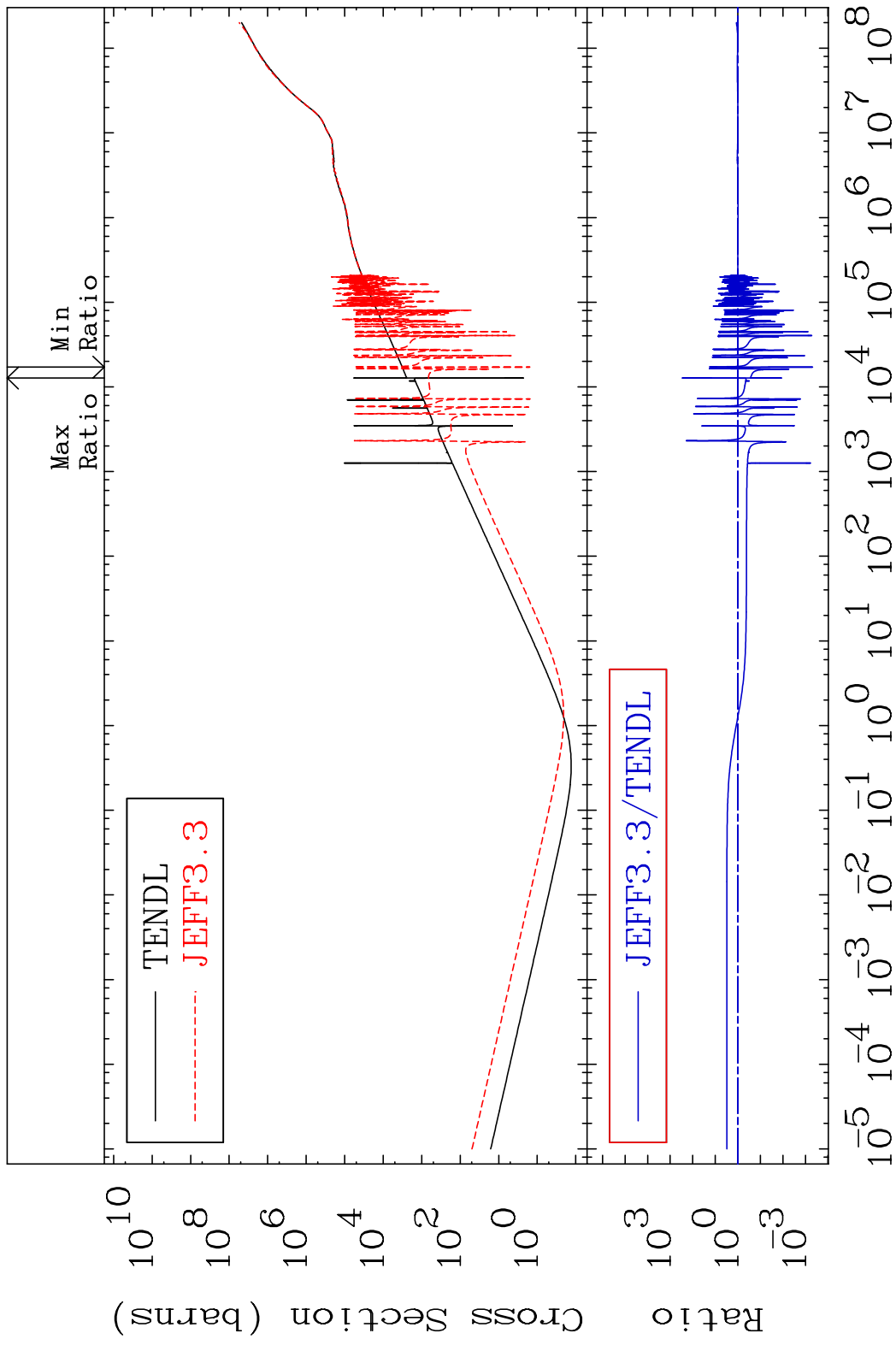
Incident Energy (eV)

38-Sr-90

MAT 3843 Total photon (eV-barns) 38-Sr-90
 Cross Section -100.0 To 9999. %

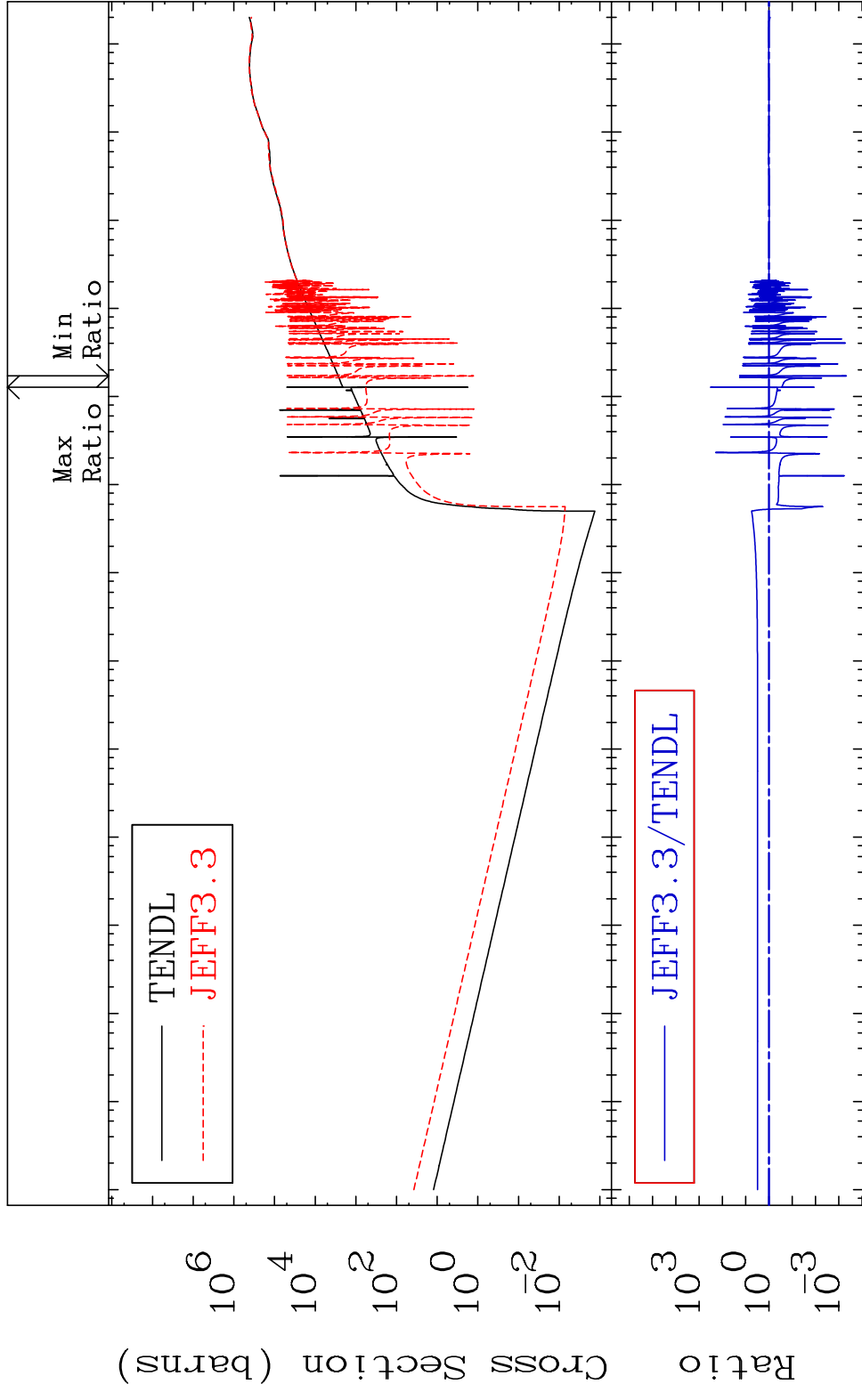


MAT 3843 Total kinematic kerma (high limit) 38-Sr-90
 Cross Section -99.95 To 9999. %



70 Incident Energy (eV) 38-Sr-90

MAT 3843 Dpa total (eV-barns) 38-Sr-90
 Cross Section -99.95 To 9999. %



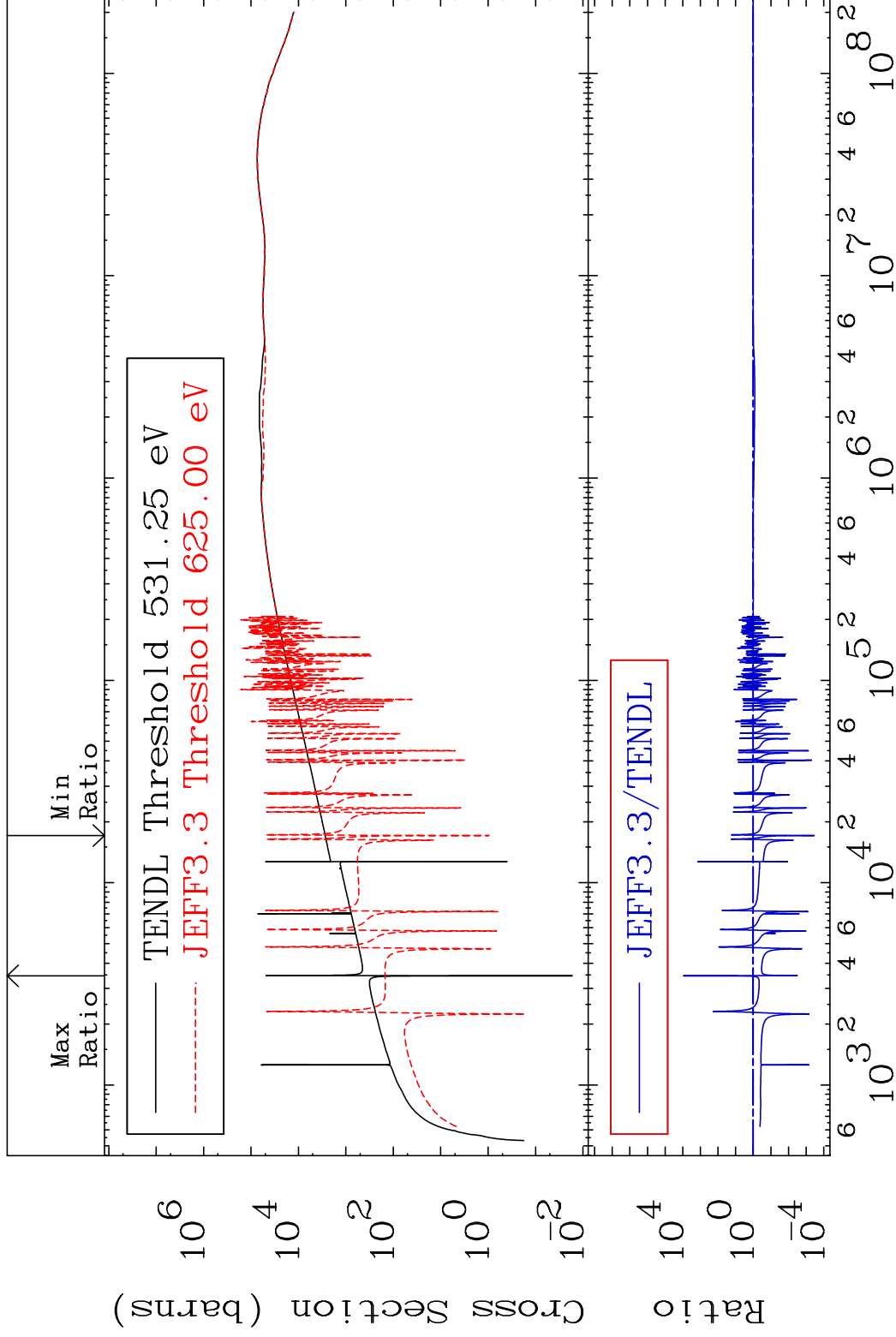
71 Incident Energy (eV) 38-Sr-90

MAT 3843

Dpa elastic (mt2)

38-Sr-90

Cross Section -99.96 To 9999. %

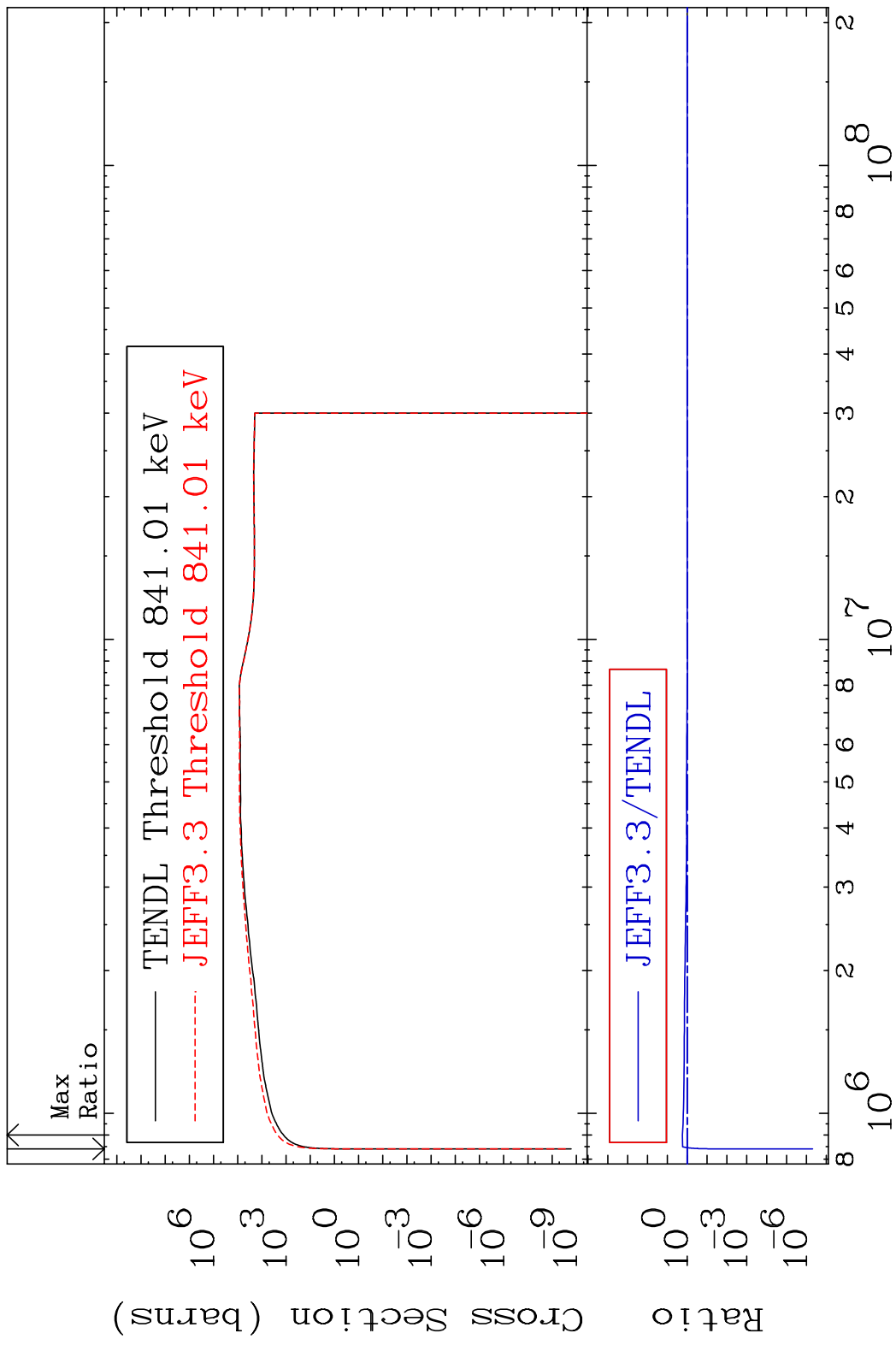


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Incident Energy (eV)

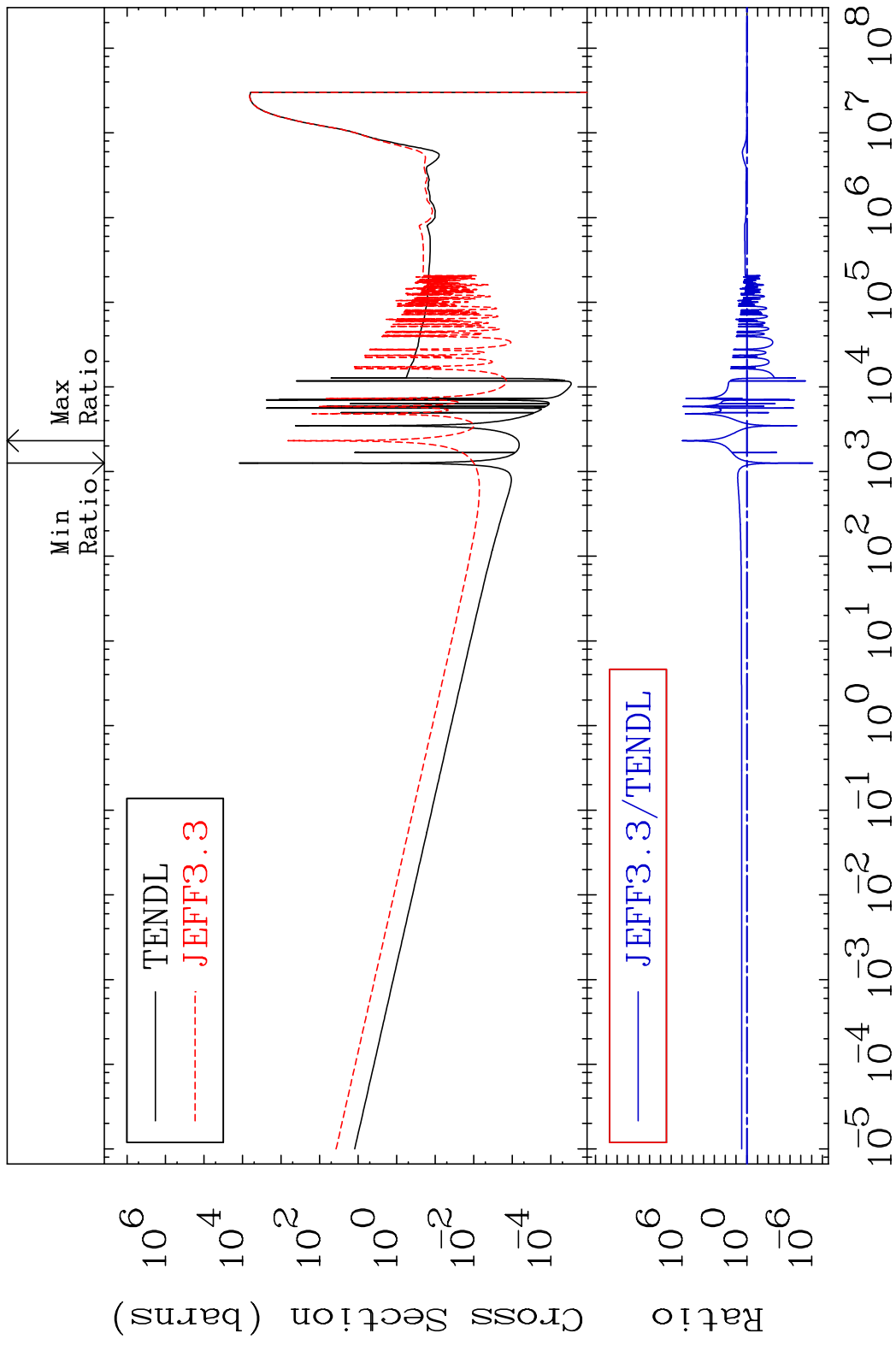
38-Sr-90

MAT 3843 Dpa inelastic (mt51-91) 38-Sr-90
 Cross Section -100.0 To 77.14 %

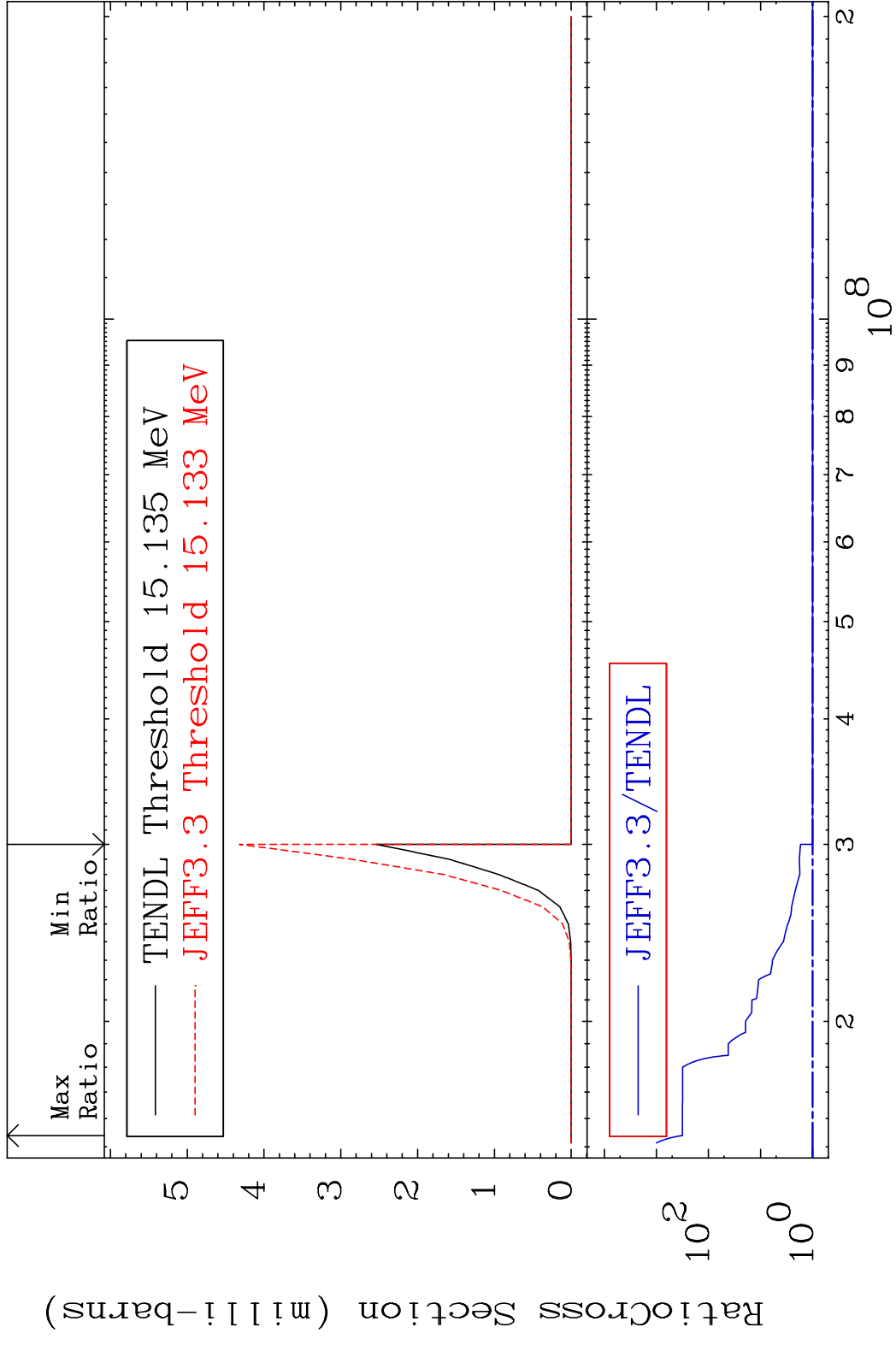


73 Incident Energy (eV) 38-Sr-90

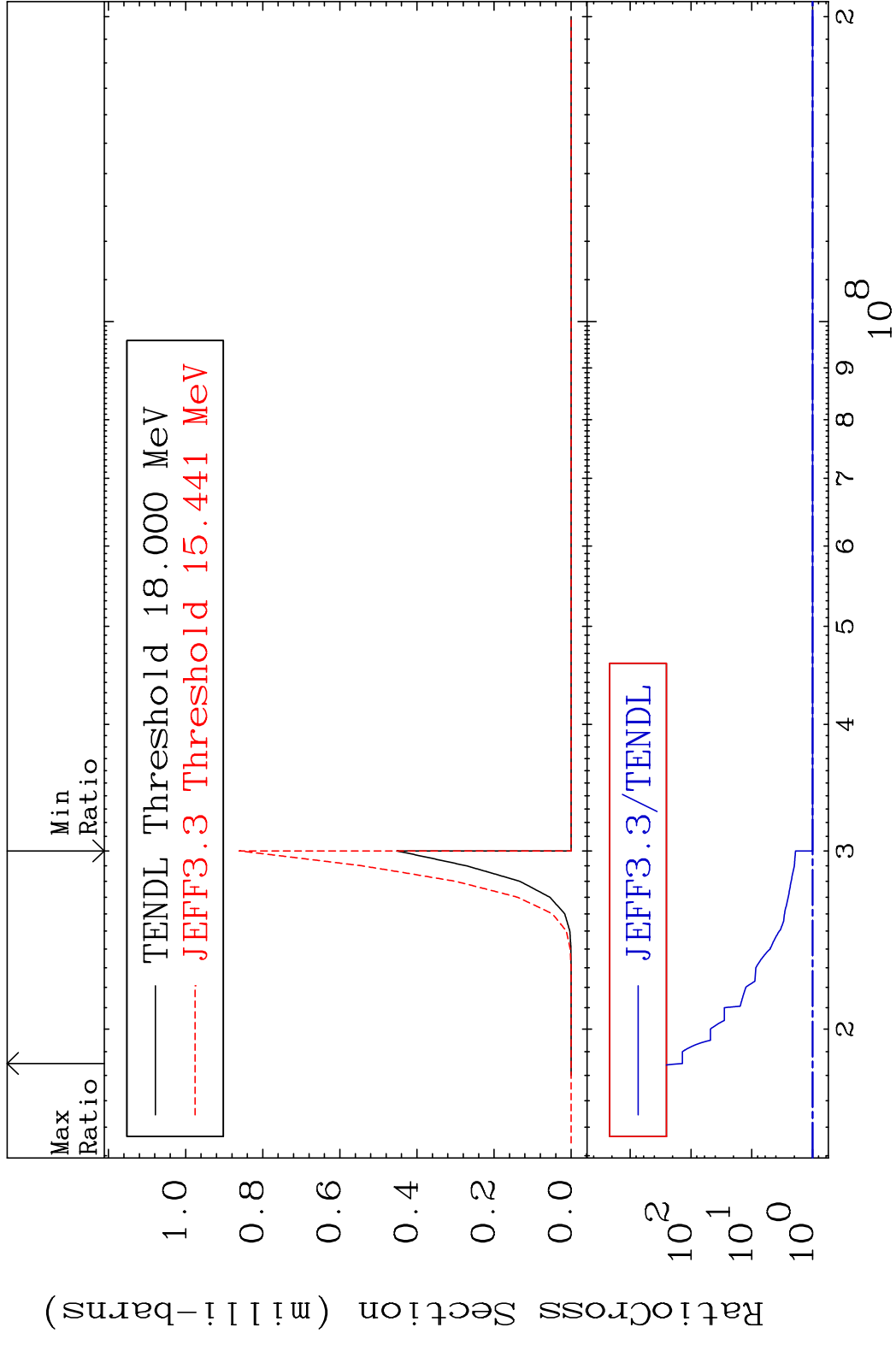
MAT 3843 Dpa disappearance (mt102 -120) 38-Sr-90
 Cross Section -100.0 To 9999. %

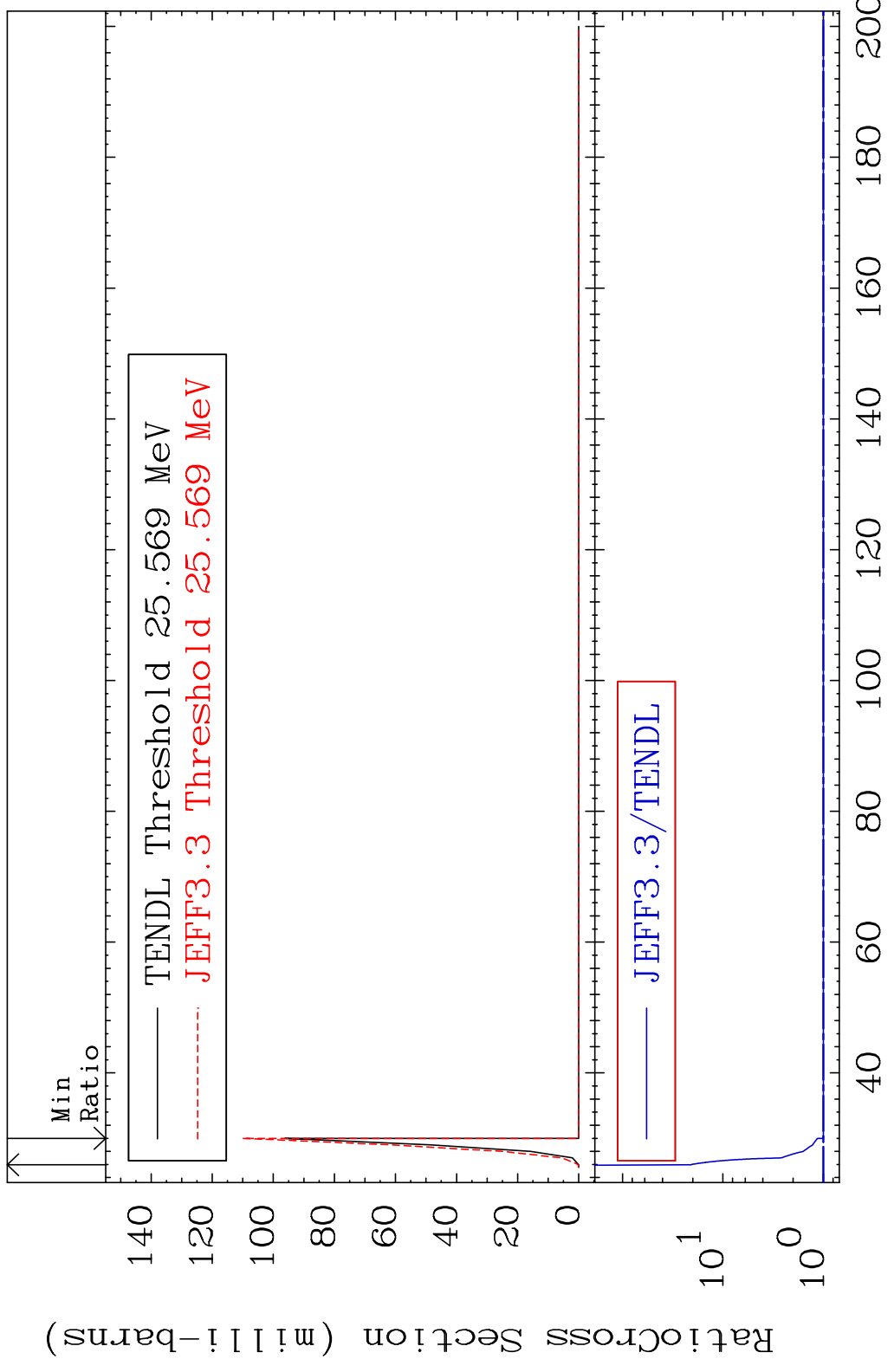


MAT 3843 (n,2n) α :36-Kr-85g 38-Sr-90
 Radionuclide Production Cross Section 9999. %

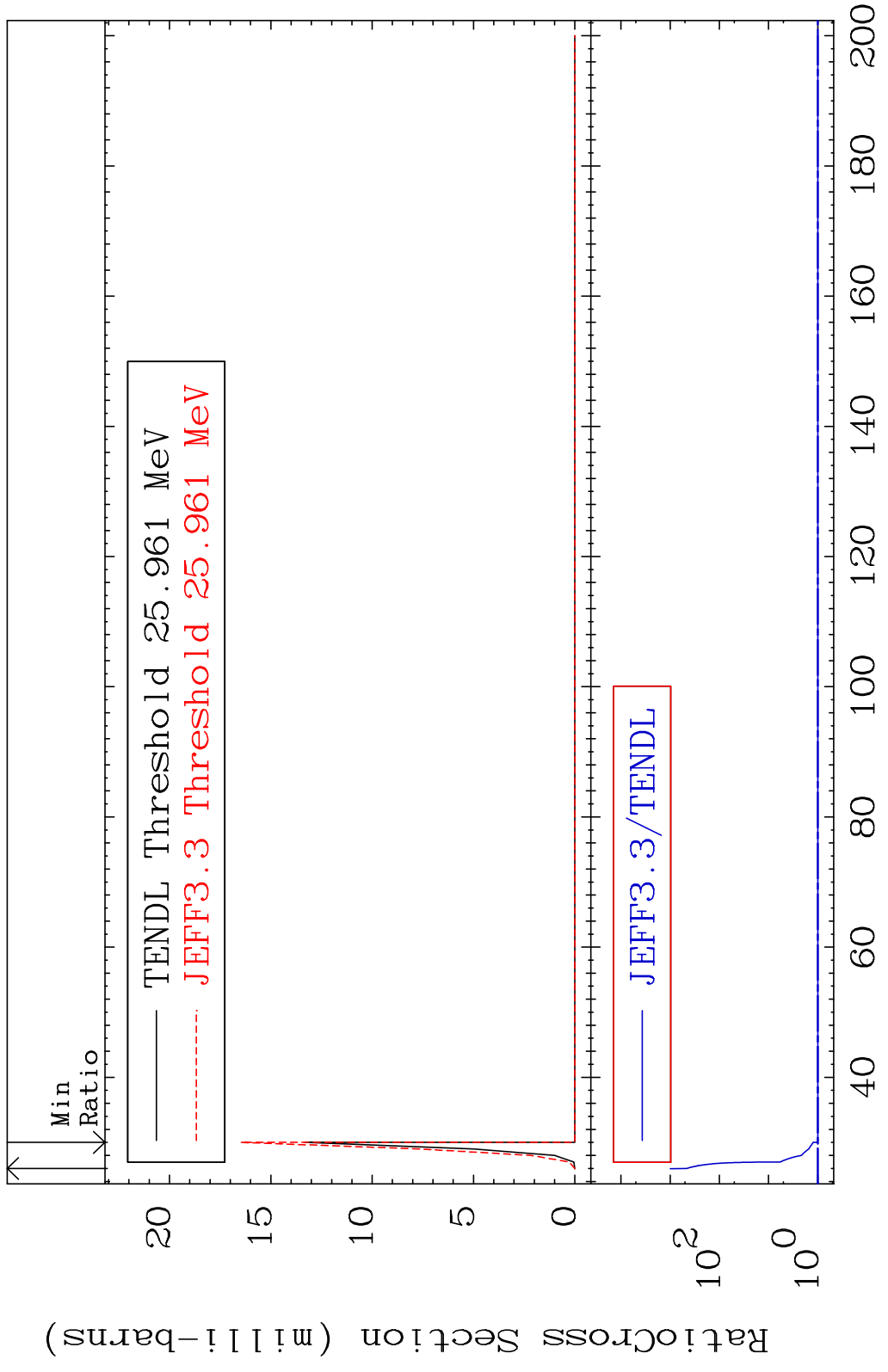


MAT 3843 (n,2n) α :36-Kr-85m1 38-Sr-90
 Radionuclide Production Cross Section 9999. %

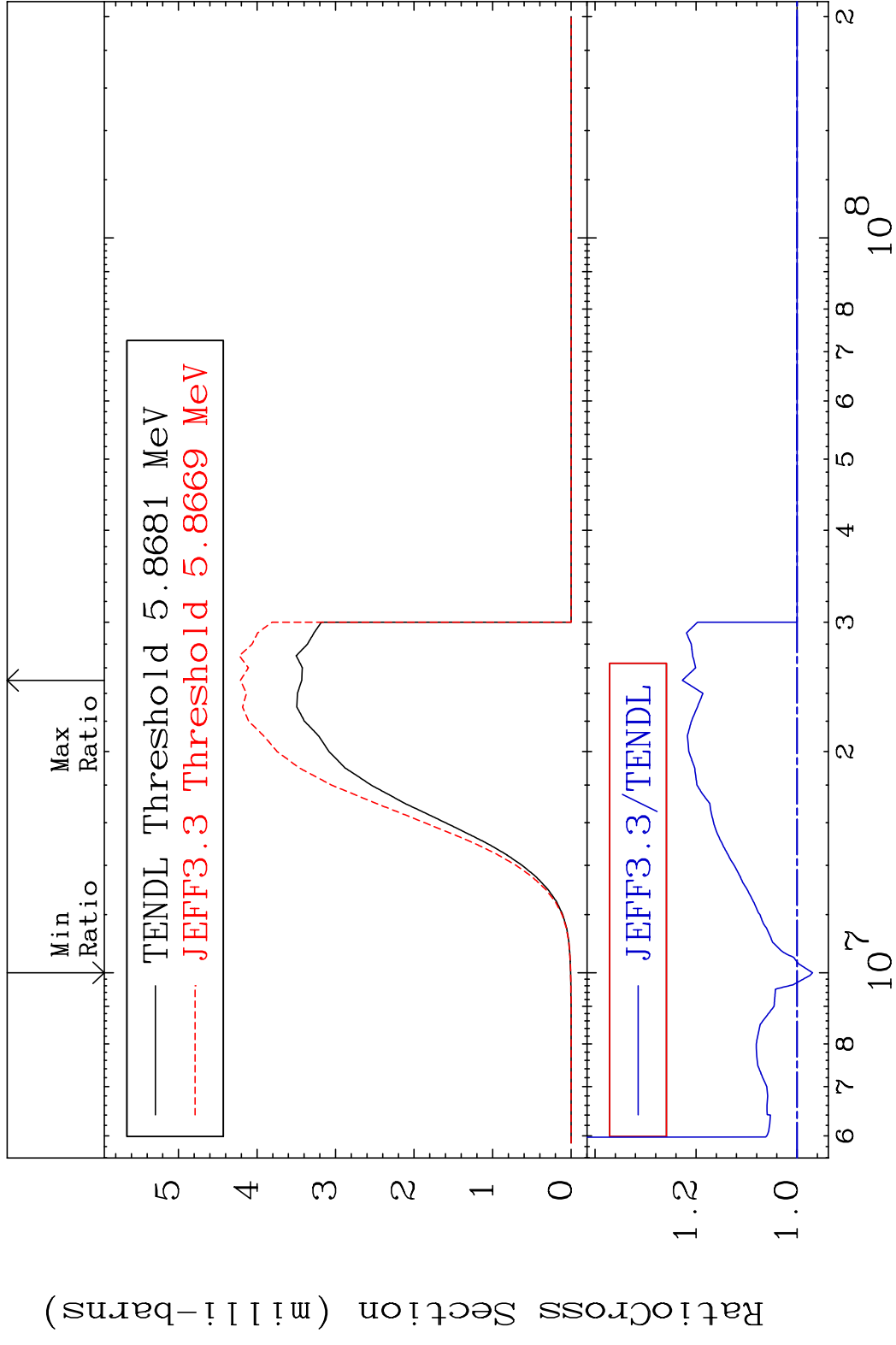




MAT 3843 (n,4n):38-Sr-87m1 38-Sr-90
 Radionuclide Production Cross Section 9999. %

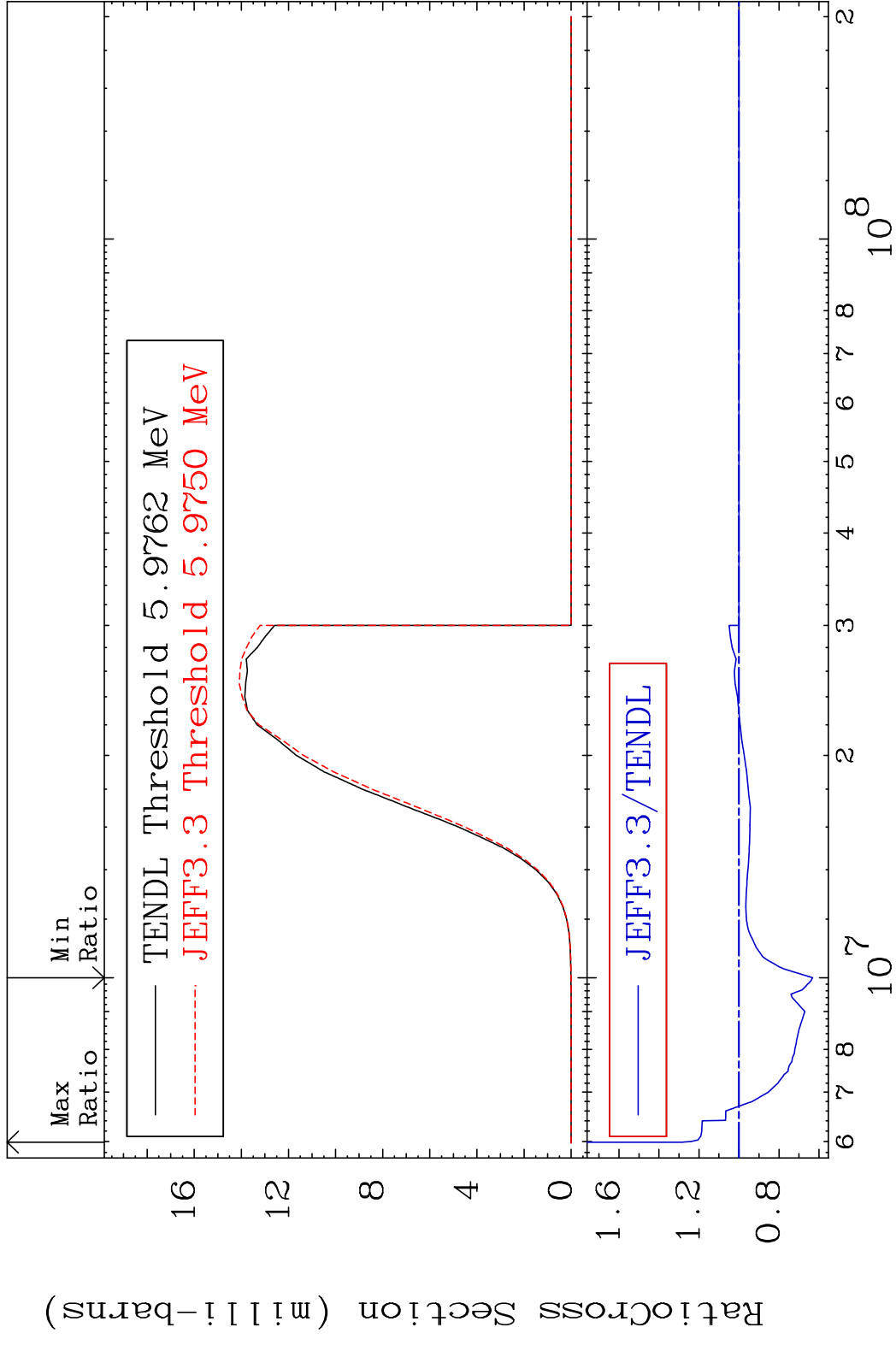


MAT 3843 (n, p): 37-Rb-90g 38-Sr-90
 Radionuclide Production Cross Section 22.72 %



79 Incident Energy (eV) 38-Sr-90

MAT 3843 (n,p):37-Rb-90m1 38-Sr-90
 Radionuclide Production Cross Section 28.31 %



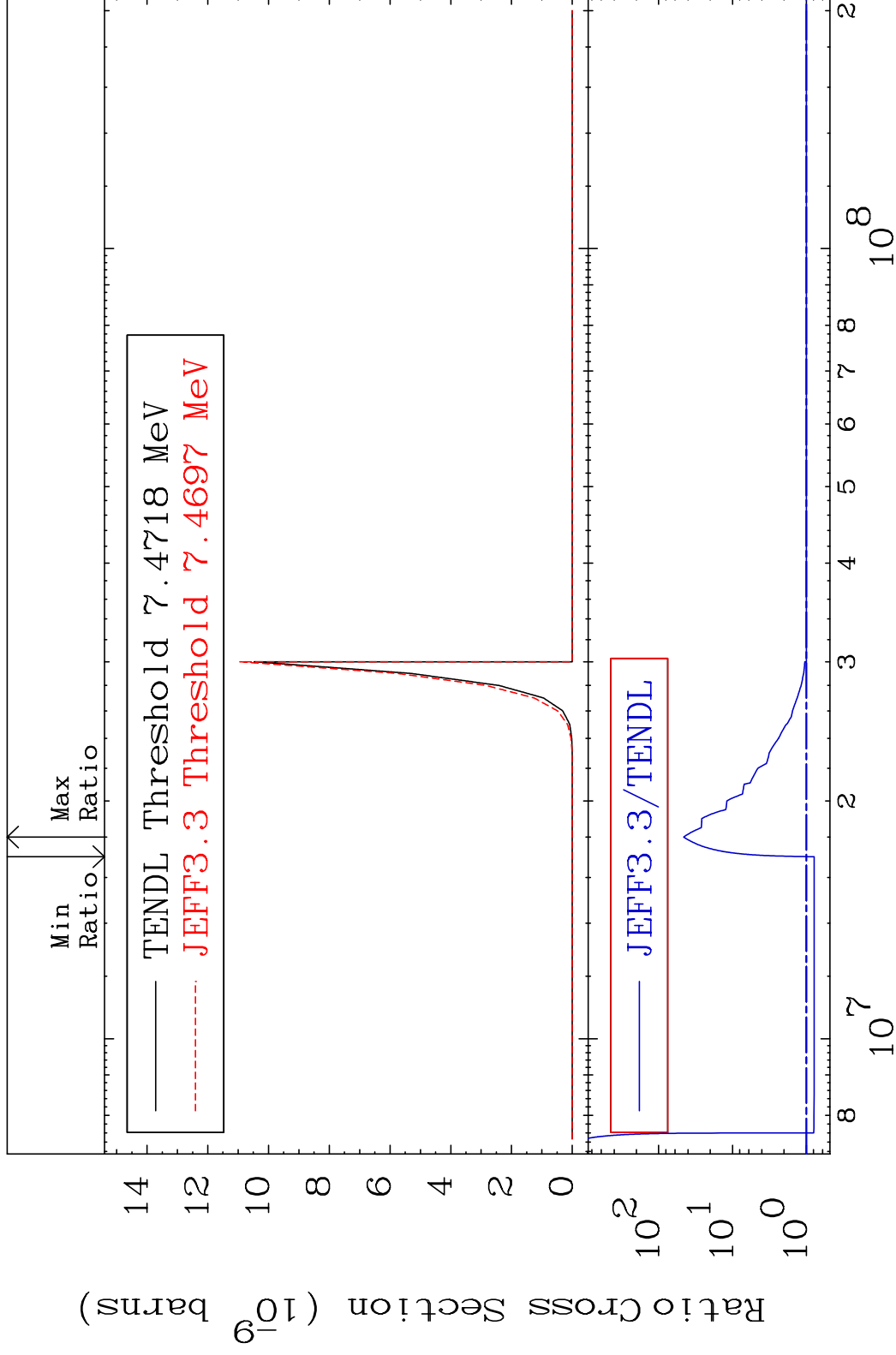
80 Incident Energy (eV) 38-Sr-90

MAT 3843

(n,2α):34-Se-83g

38-Sr-90

Radionuclide Production Cross Section 4484. %



81

Incident Energy (eV)

38-Sr-90

MAT 3843 (n,2α):34-Se-83m1 38-Sr-90
 Radionuclide Production Cross Section 9999. %

