

Program Complot
(Version 2021-1)

by

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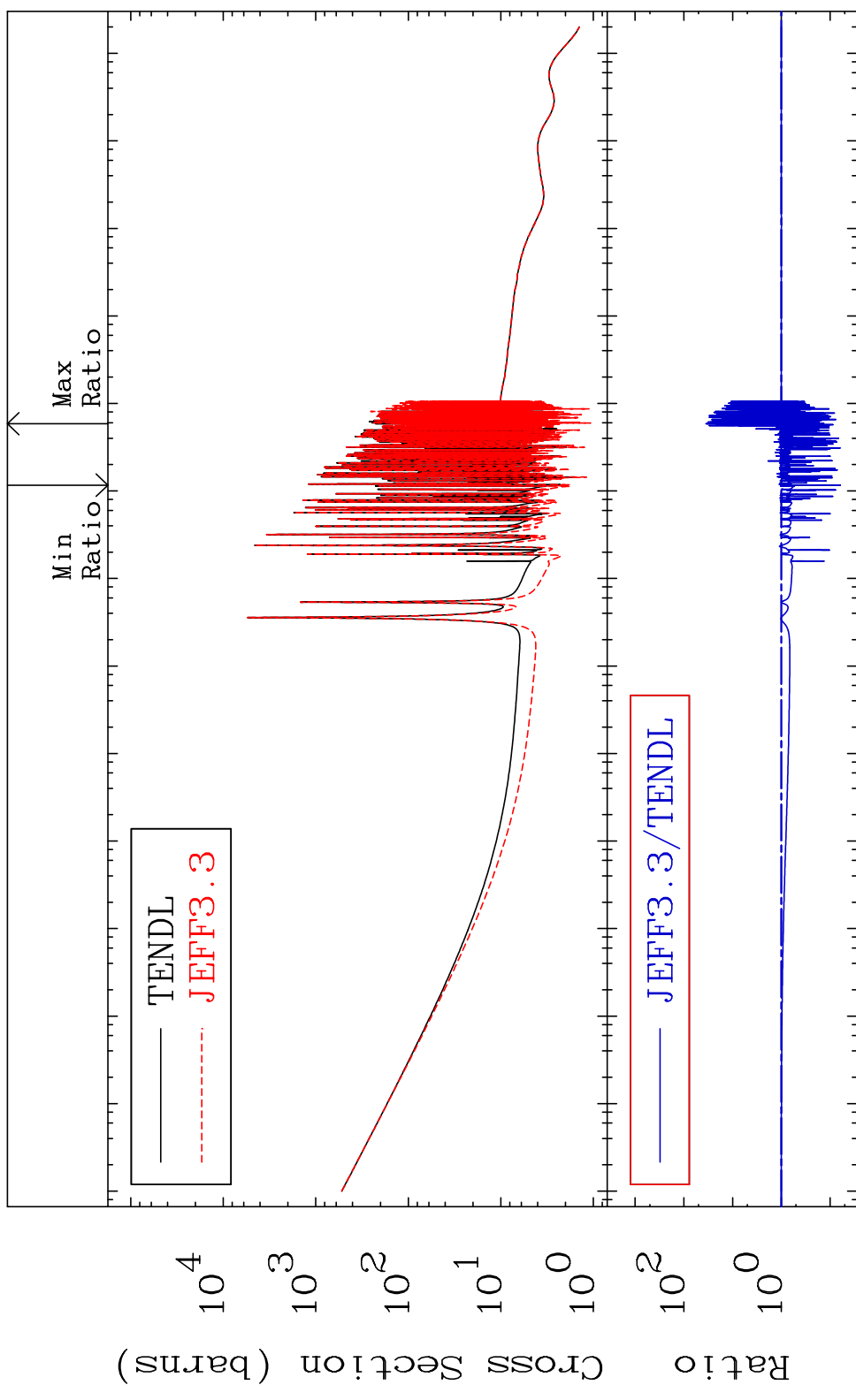
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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3525

Total
Cross Section -93.89 To 3453. %
35-Br-79



1 Incident Energy (eV) 35-Br-79

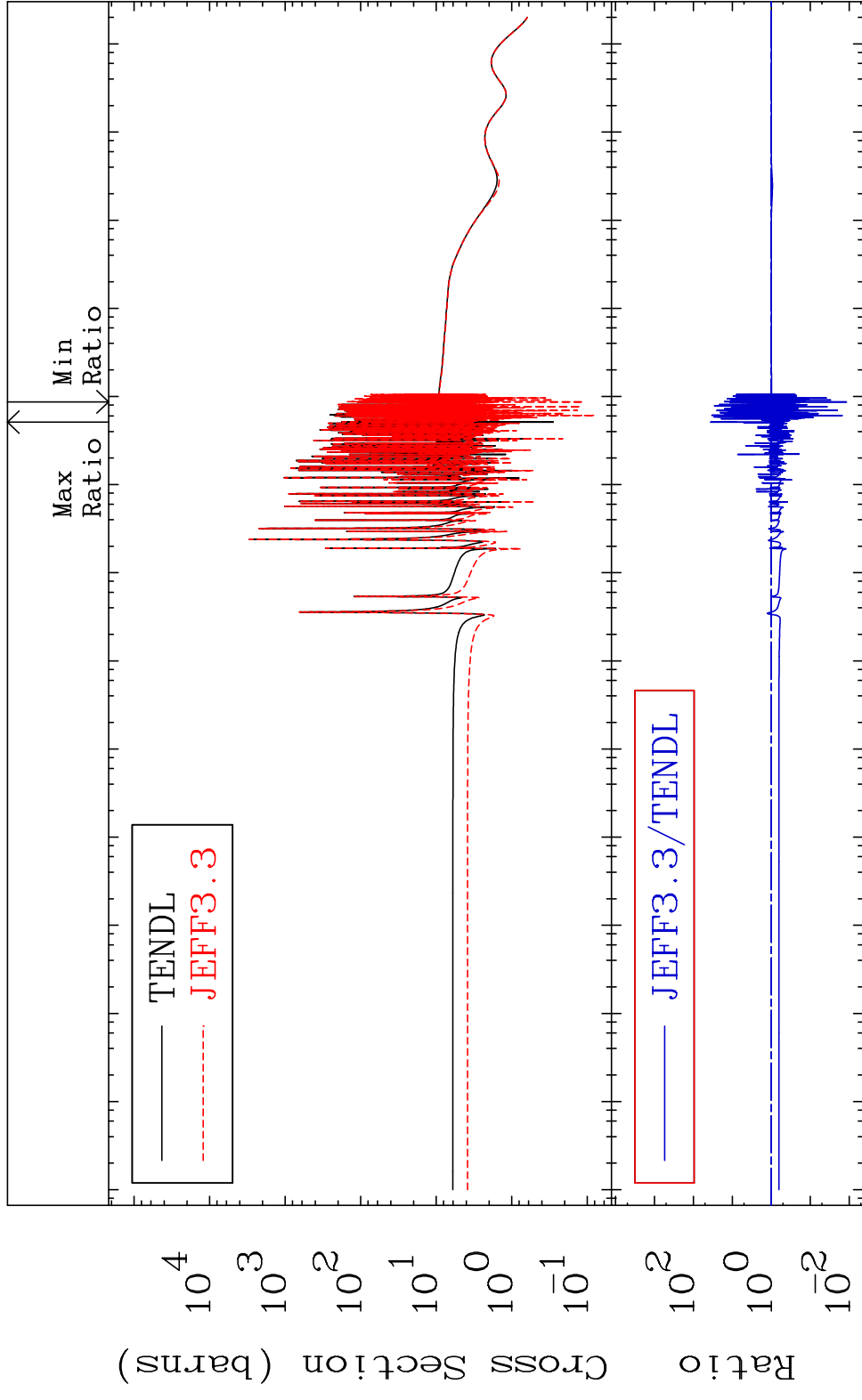
MAT 3525

Elastic

35-Br-79

Cross Section

-98.82 To 3494. %



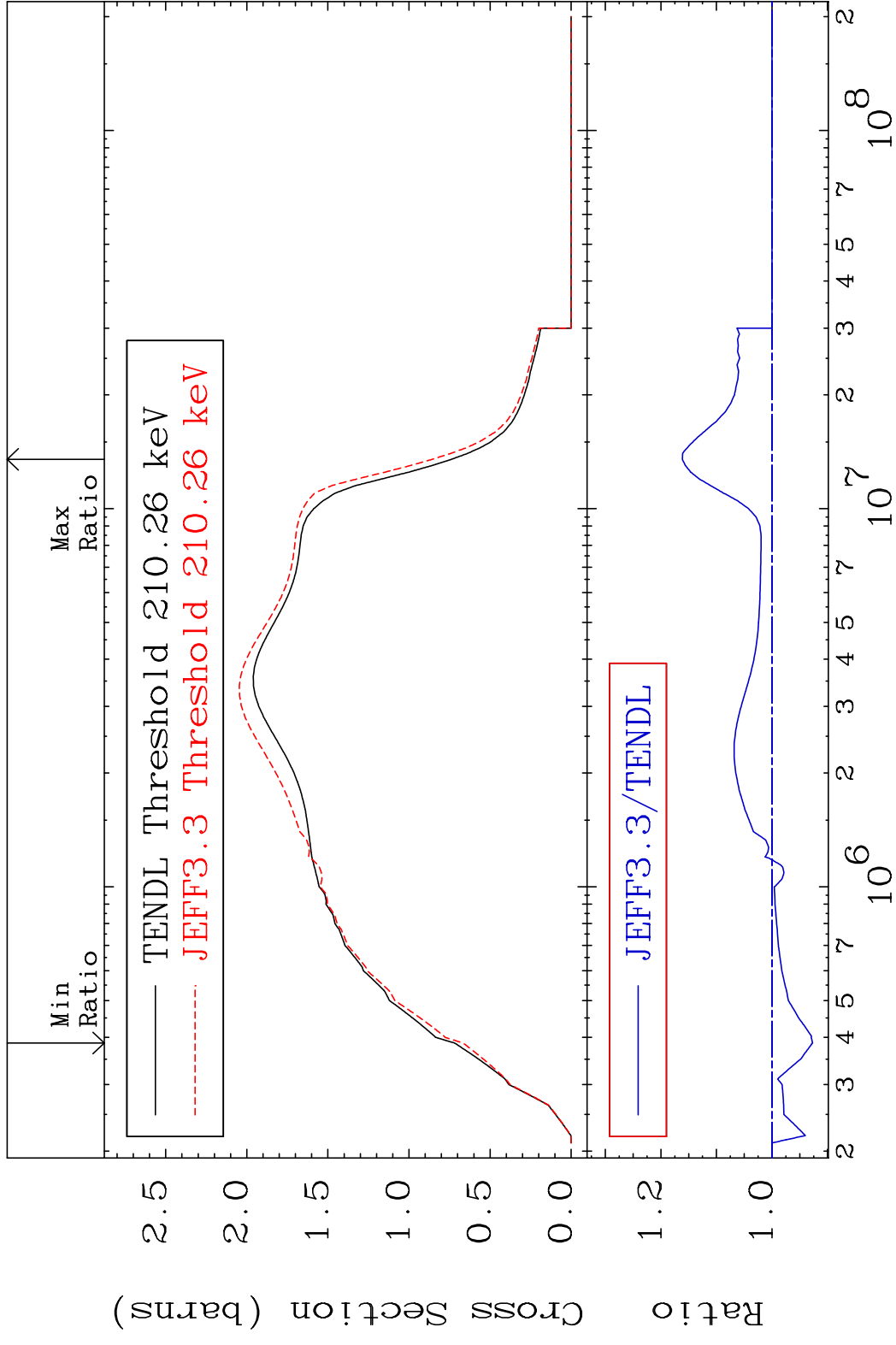
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

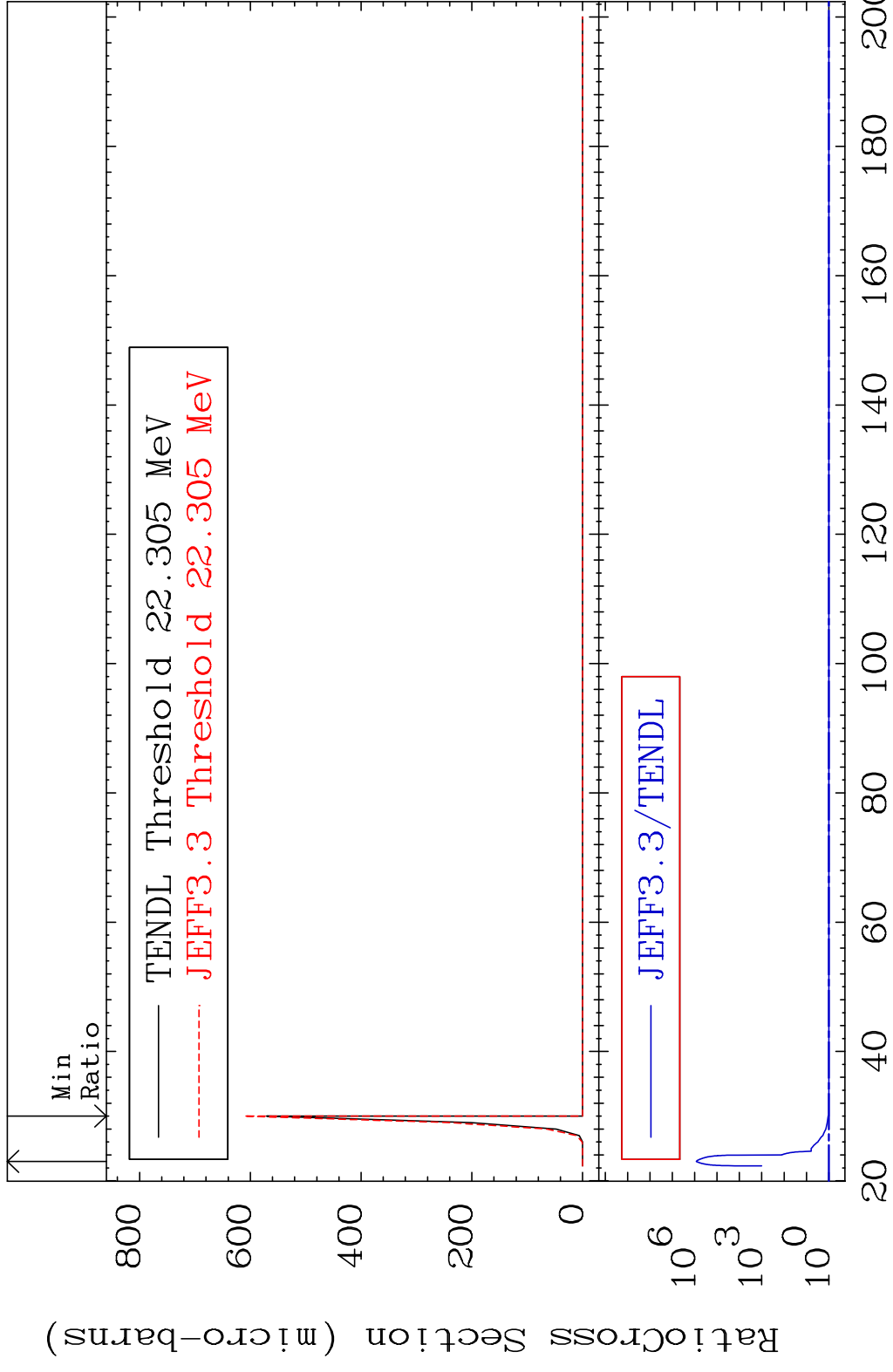
Incident Energy (eV)

35-Br-79

MAT 3525 Inelastic 35-Br-79
 Cross Section -7.306 To 16.14 %



MAT 3525 (n,2n) d 35-Br-79
Cross Section 0.000 To 9999. %

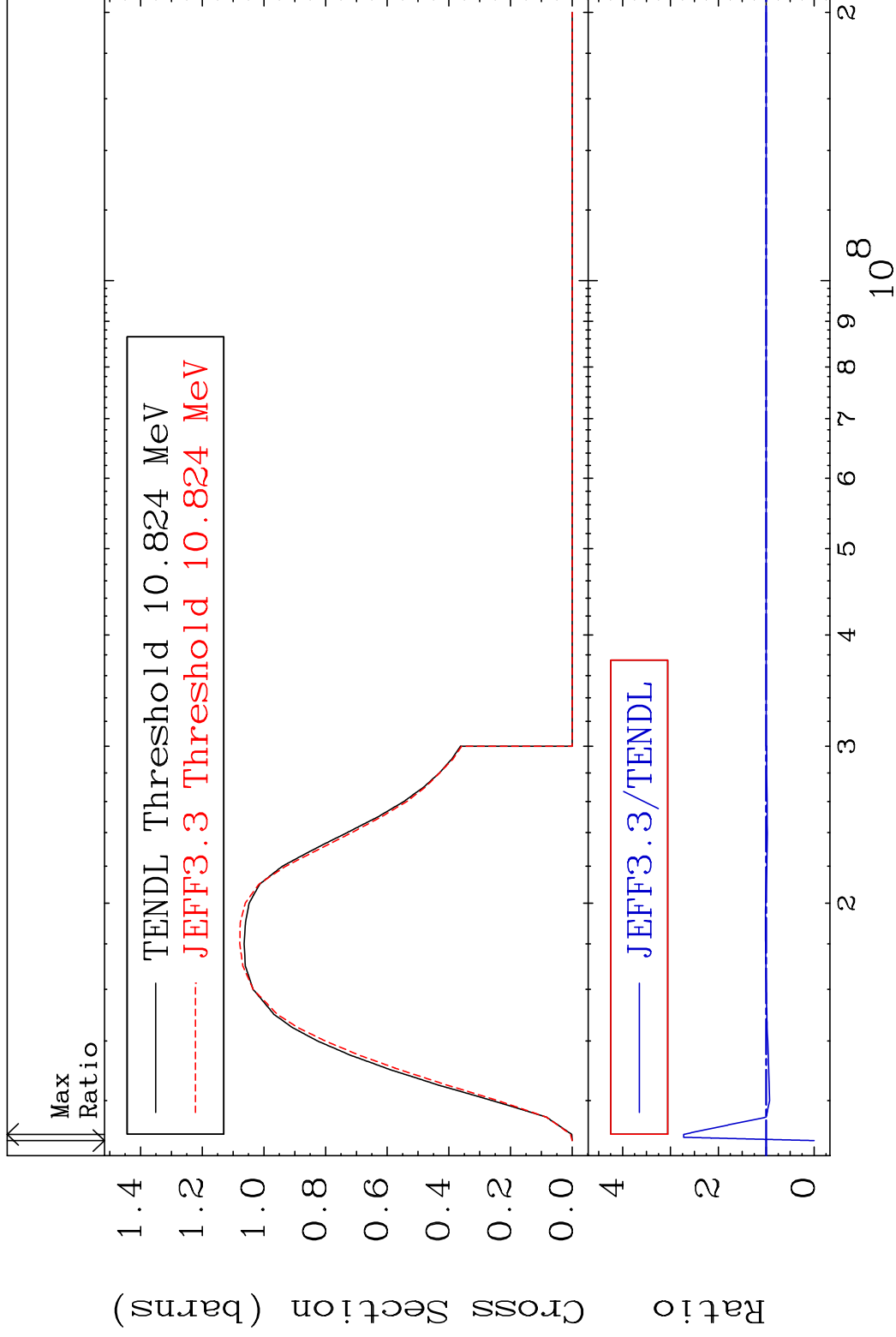


MAT 3525

(n,2n)

35-Br-79

Cross Section -100.0 To 172.5 %

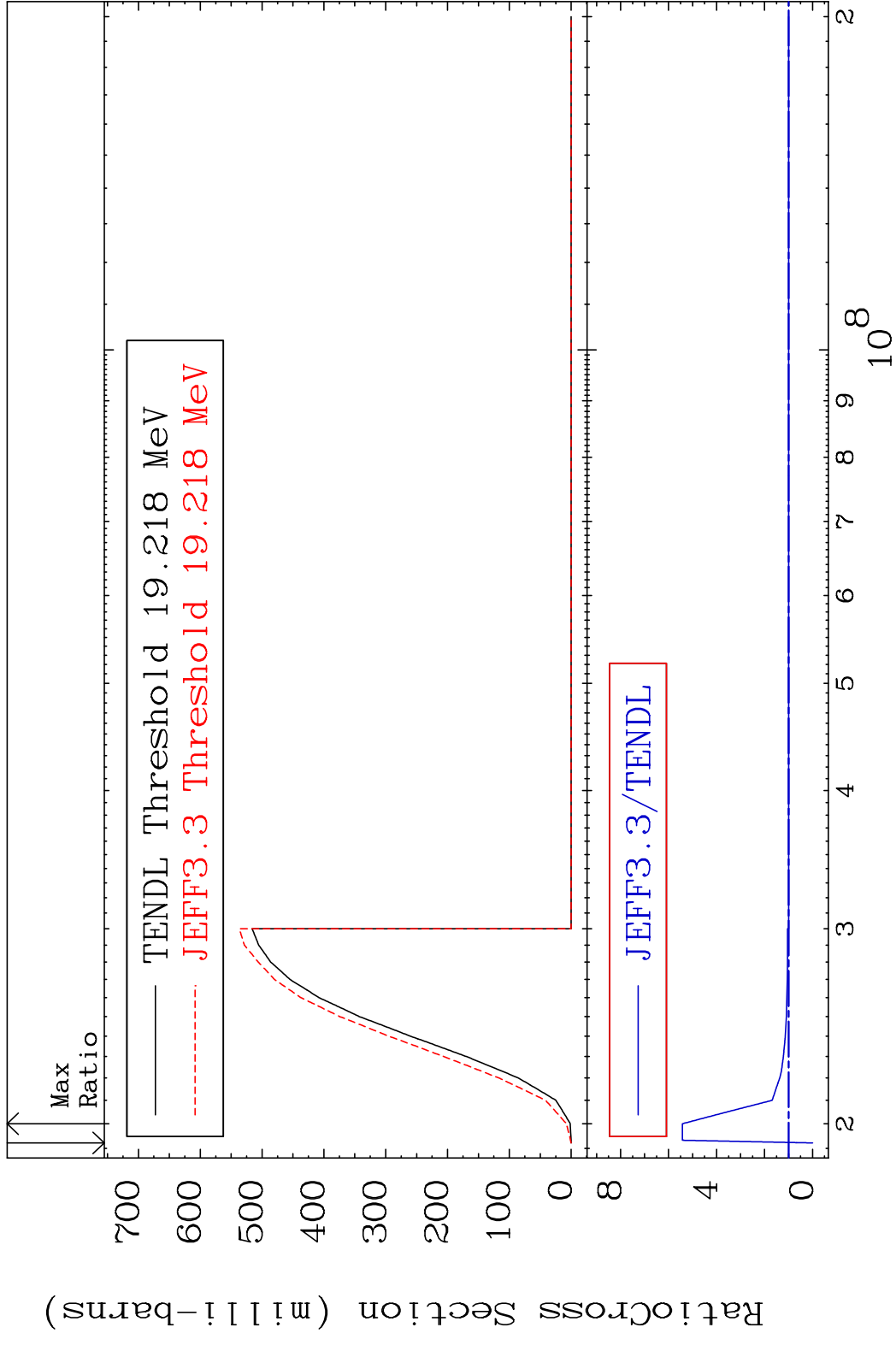


5

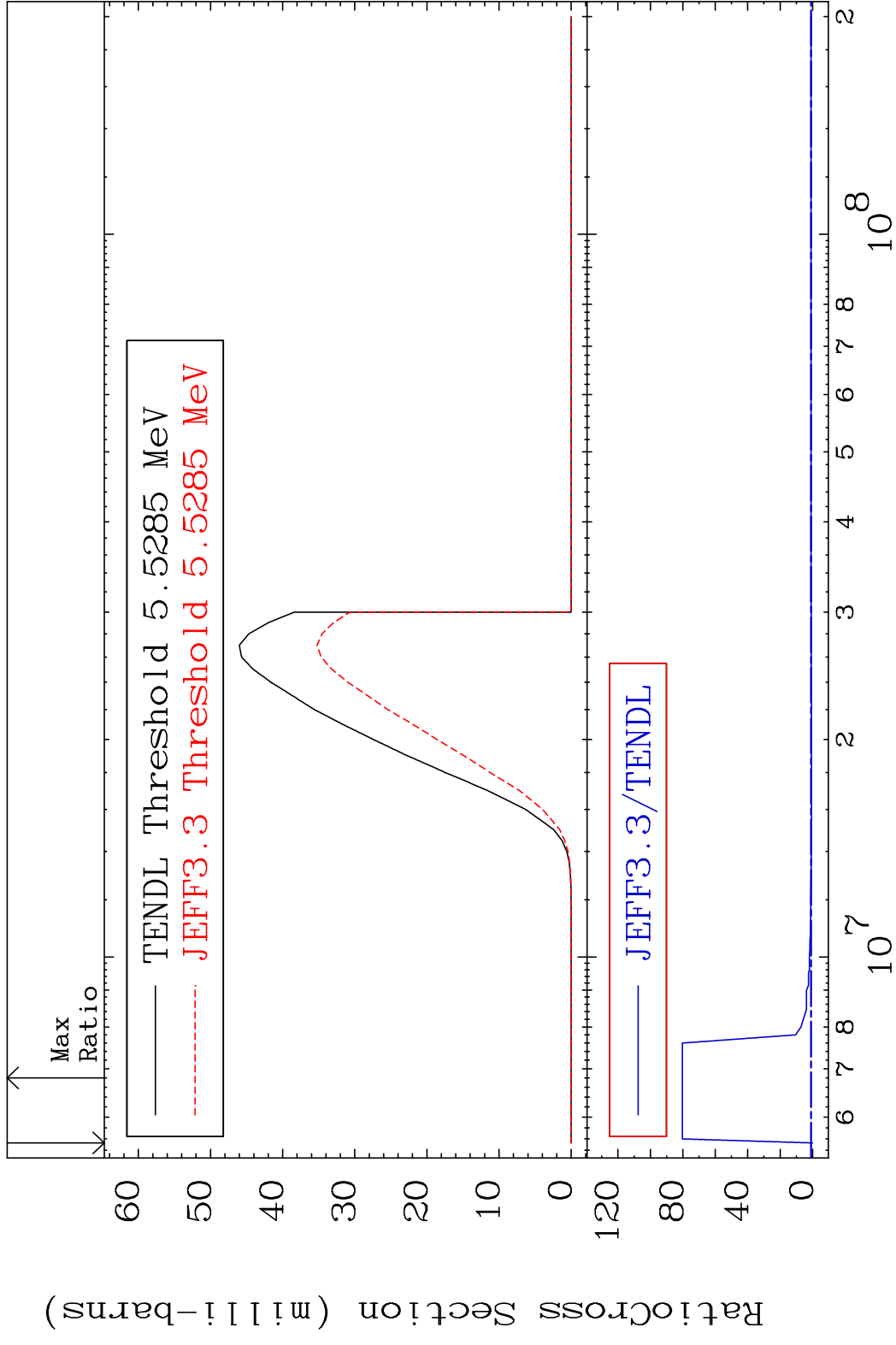
Incident Energy (eV)

35-Br-79

MAT 3525 (n,3n) 35-Br-79
 Cross Section -100.0 To 442.6 %

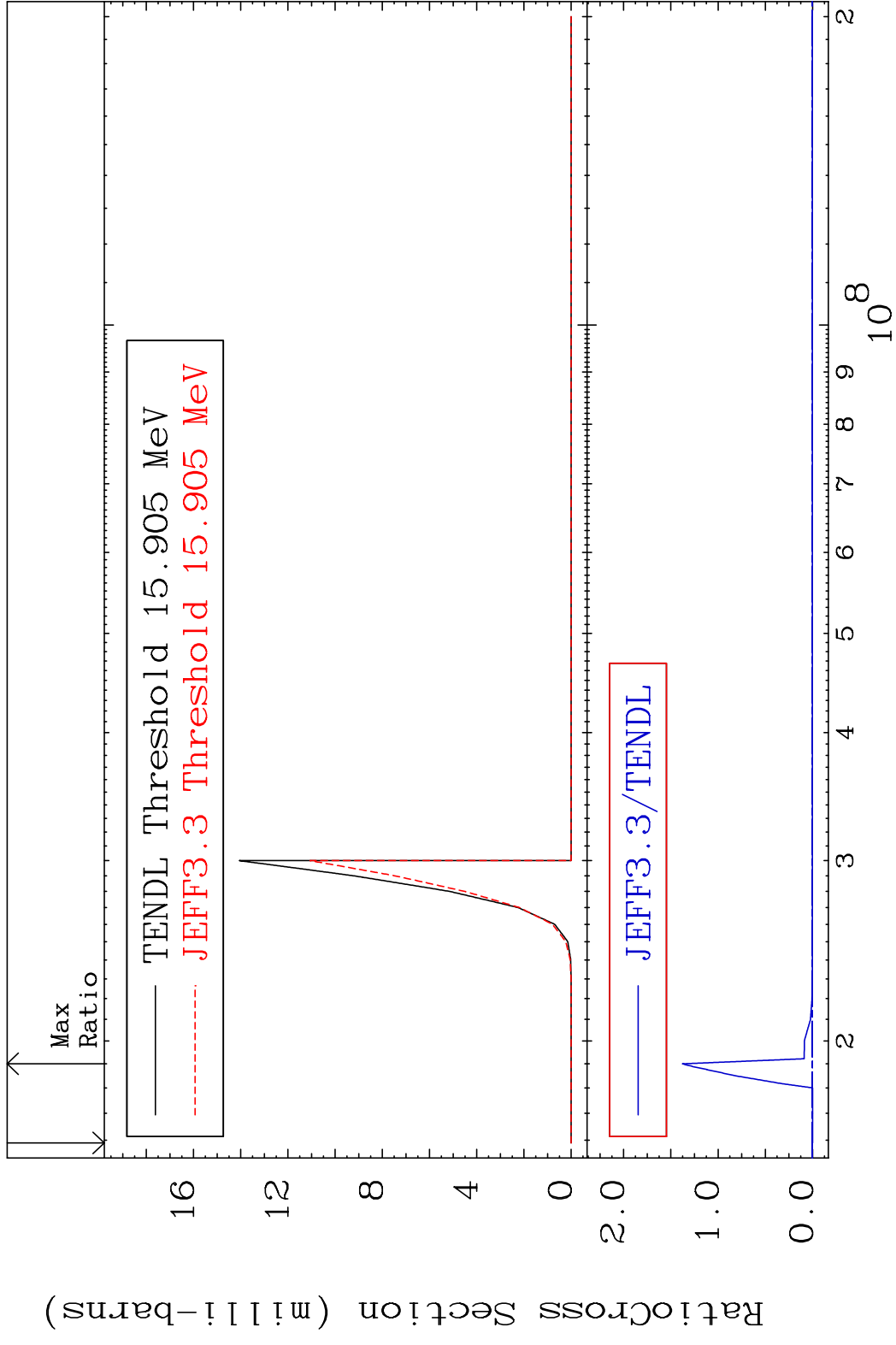


MAT 3525 (n, n') α 35-Br-79
 Cross Section -100.0 To 7928. %



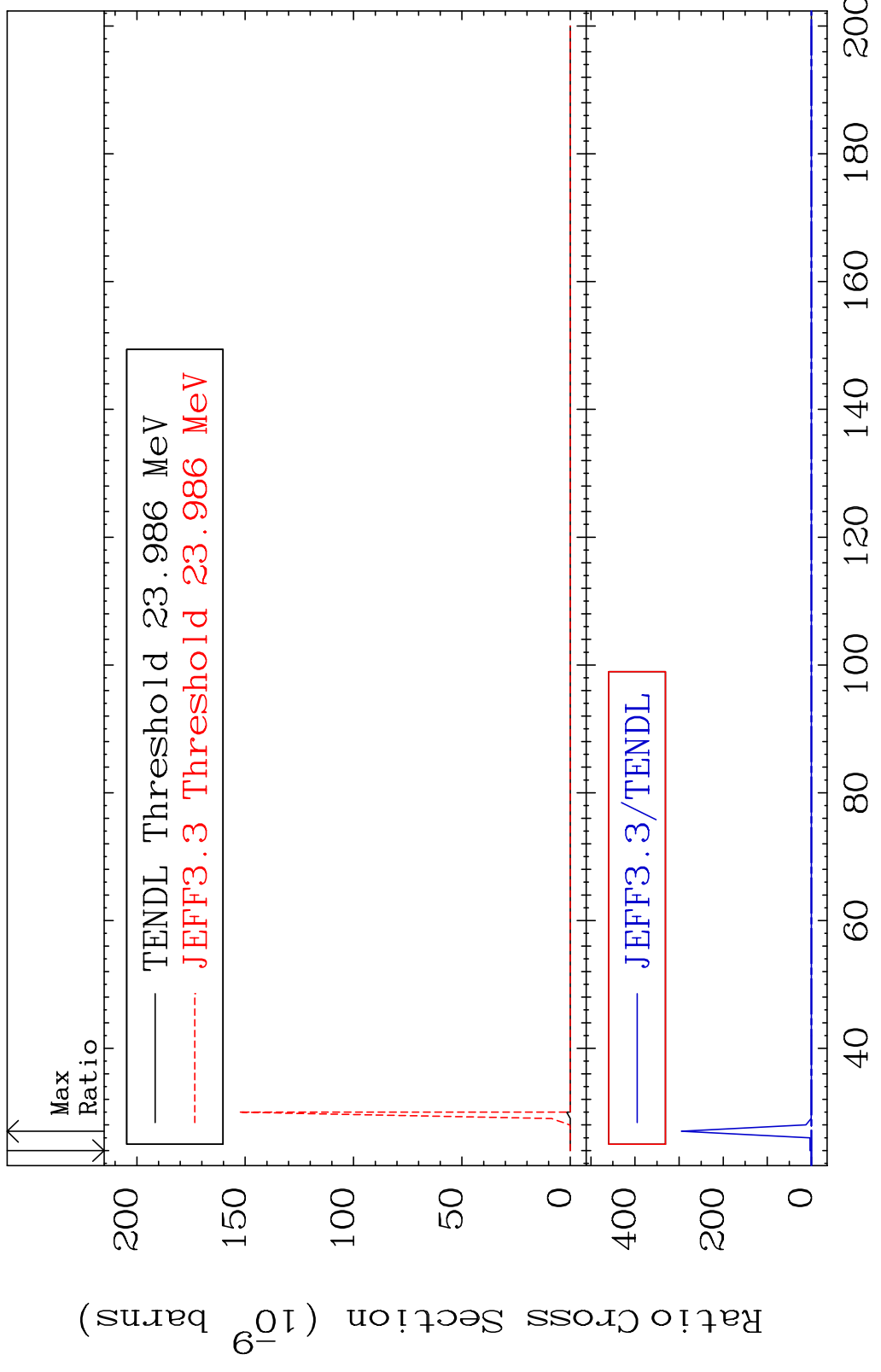
7 Incident Energy (eV) 35-Br-79

MAT 3525 (n,2n) α 35-Br-79
 Cross Section -100.0 To 9999. %

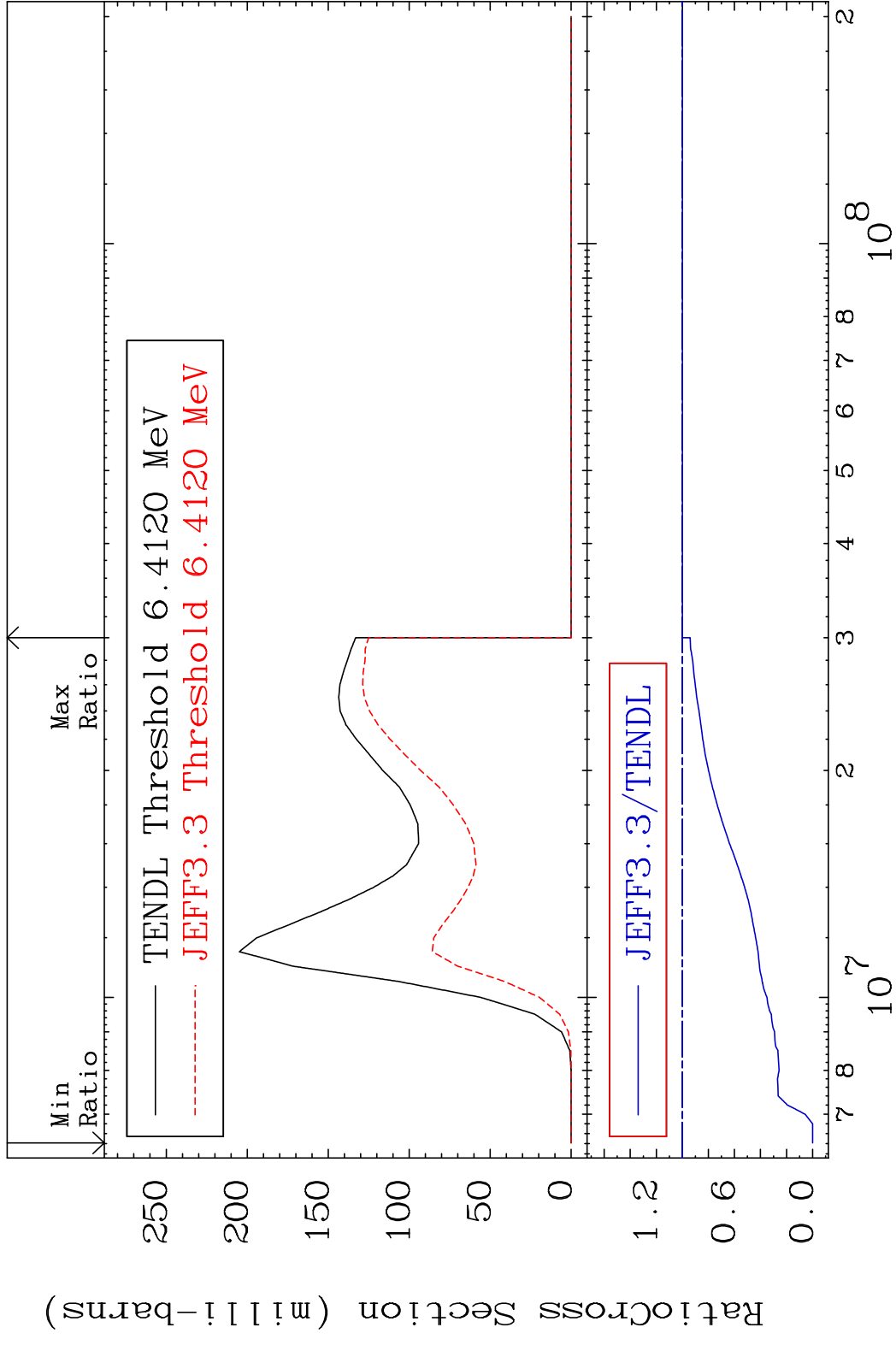


8 8 35-Br-79

MAT 3525 (n,3n) α 35-Br-79
 Cross Section -100.0 To 9999. %

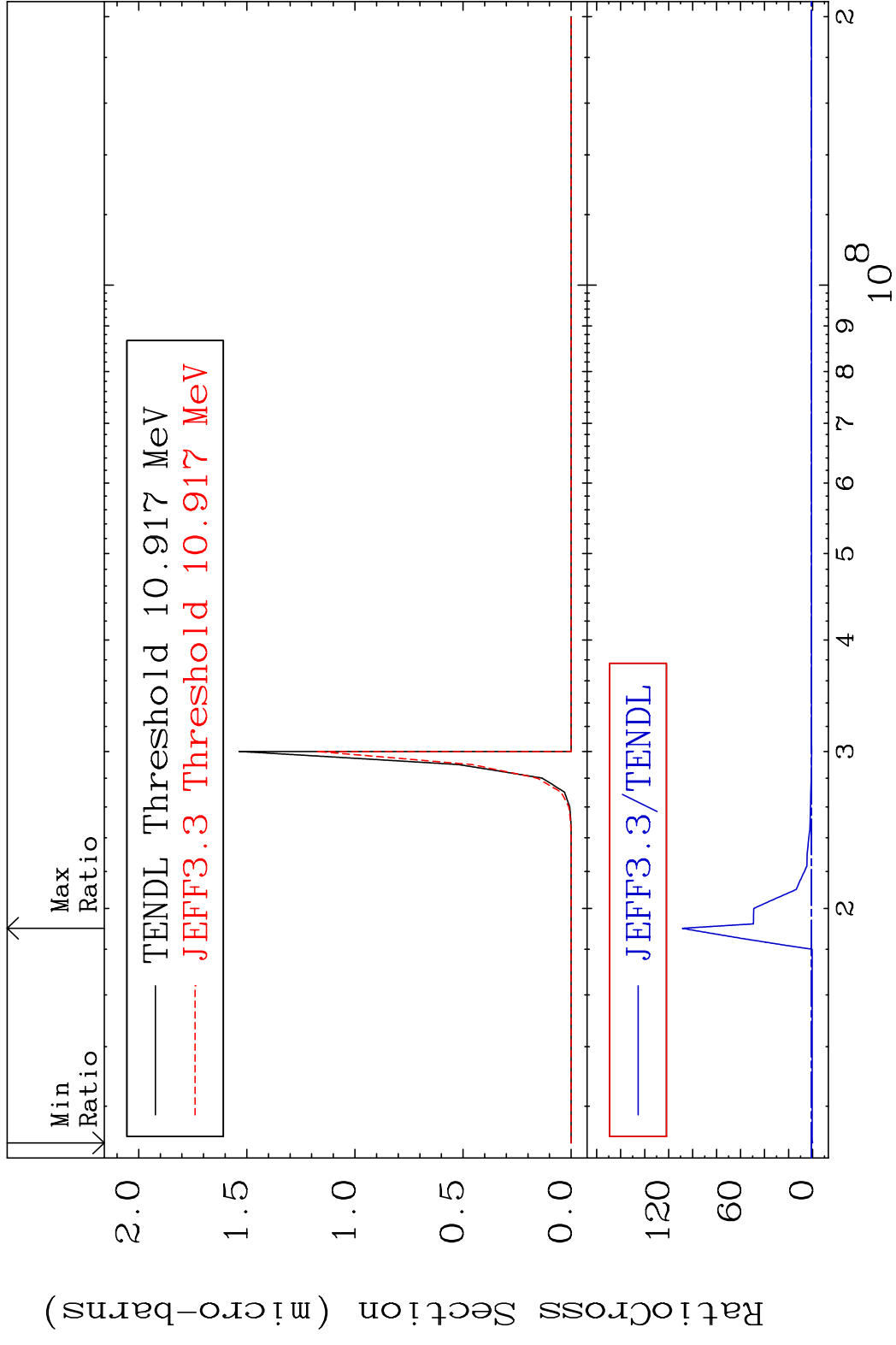


MAT 3525 (n, n') p 35-Br-79
 Cross Section -100.0 To 0.000 %

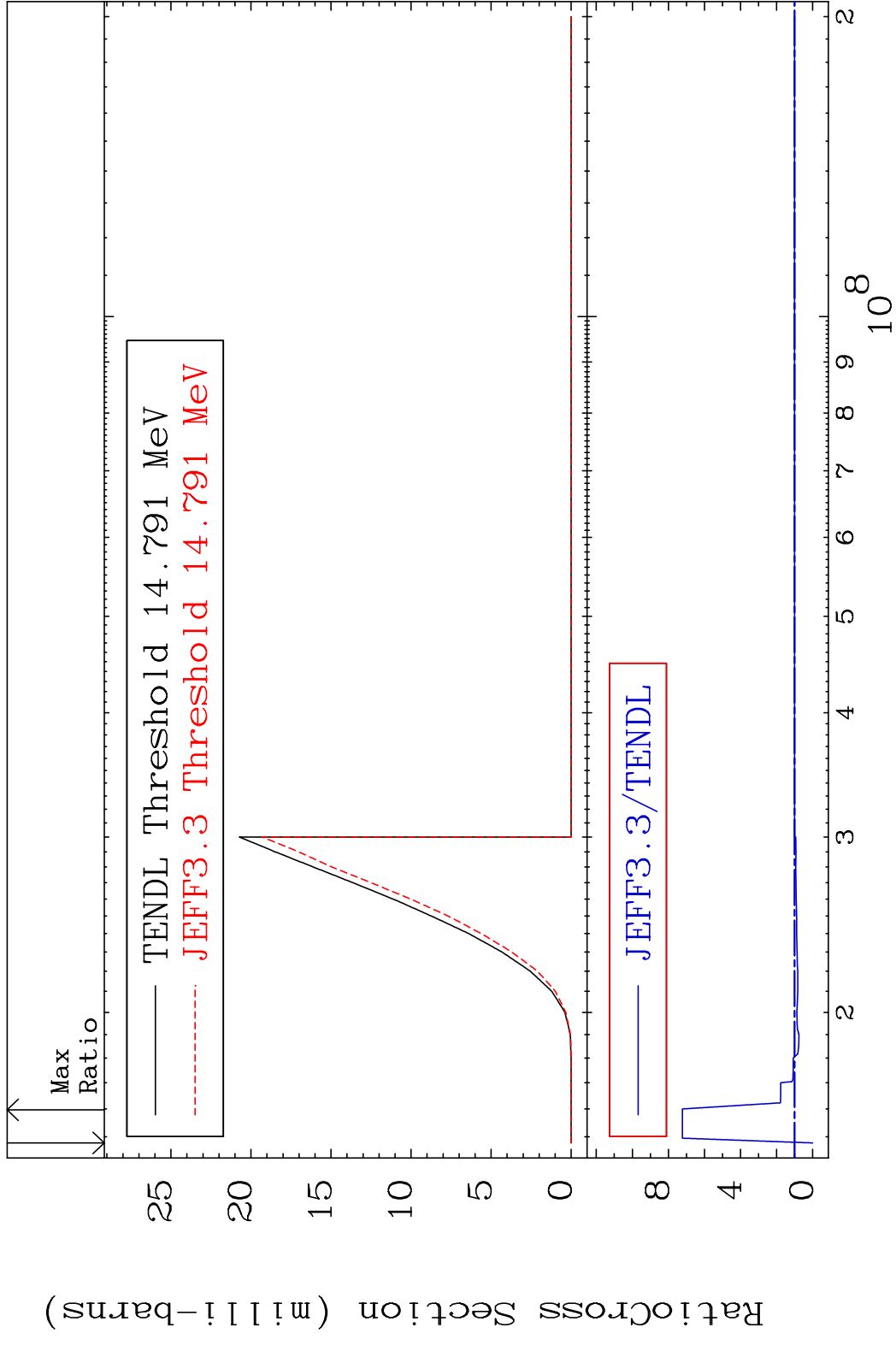


10 Incident Energy (eV) 35-Br-79

MAT 3525 (n, n') 2α 35-Br-79
 Cross Section -100.0 To 9999. %



MAT 3525 (n, n') d 35-Br-79
 Cross Section -100.0 To 622.5 %

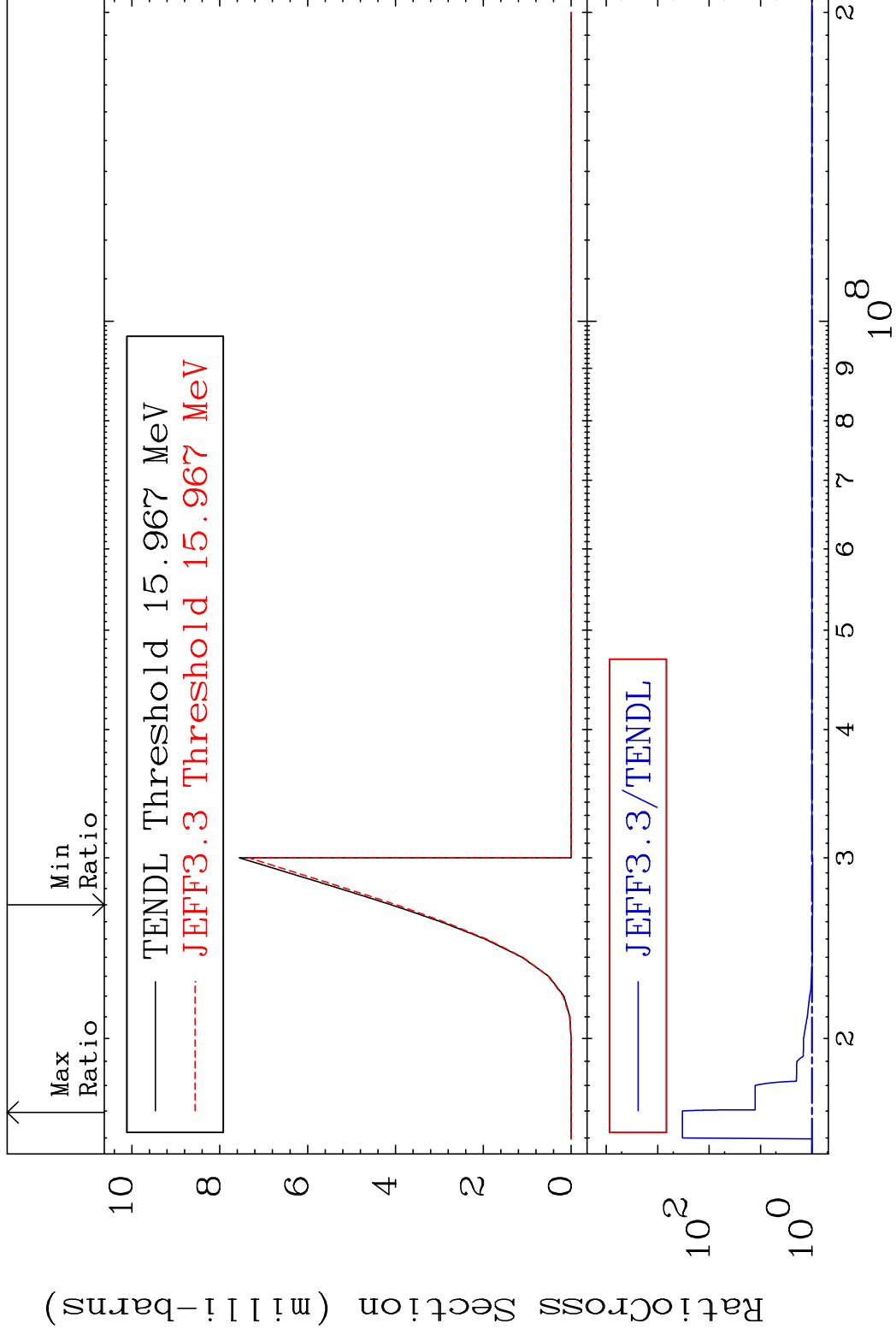


MAT 3525

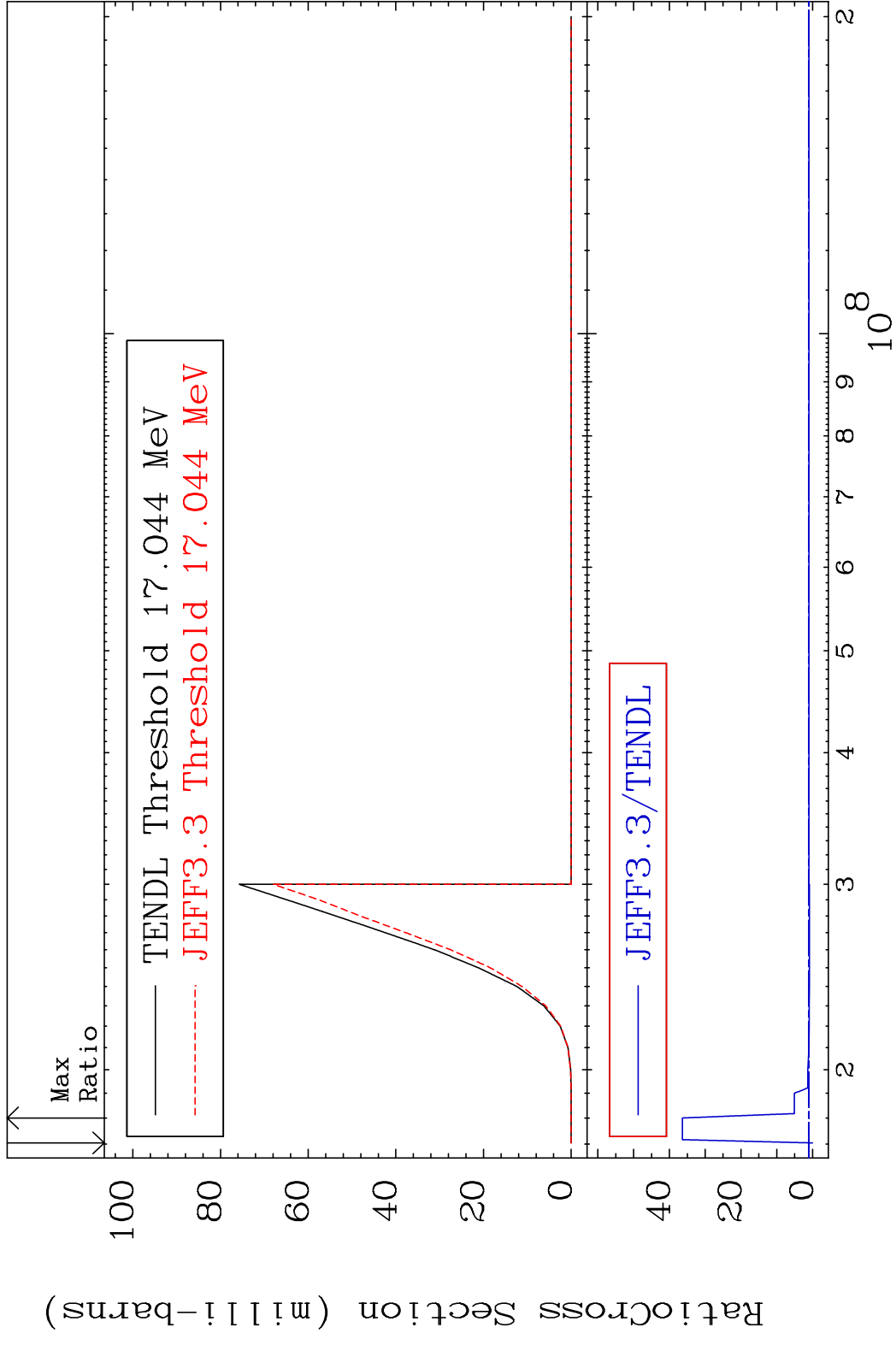
(n, n') t

35-Br-79

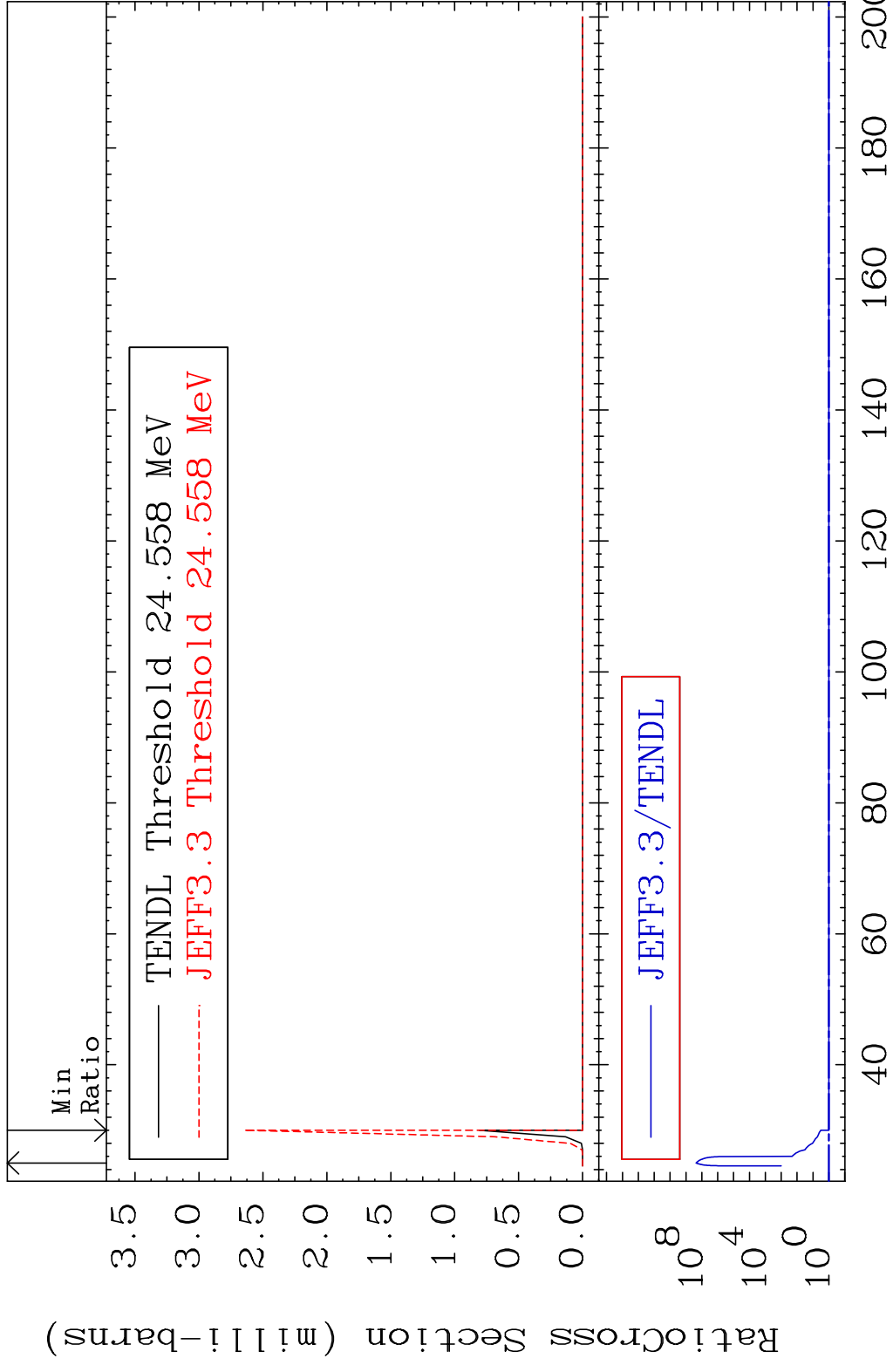
Cross Section -2.895 To 9999. %



MAT 3525 (n,2n) p 35-Br-79
 Cross Section -100.0 To 3538. %



MAT 3525 (n,3n) p 35-Br-79
 Cross Section 0.000 To 9999. %

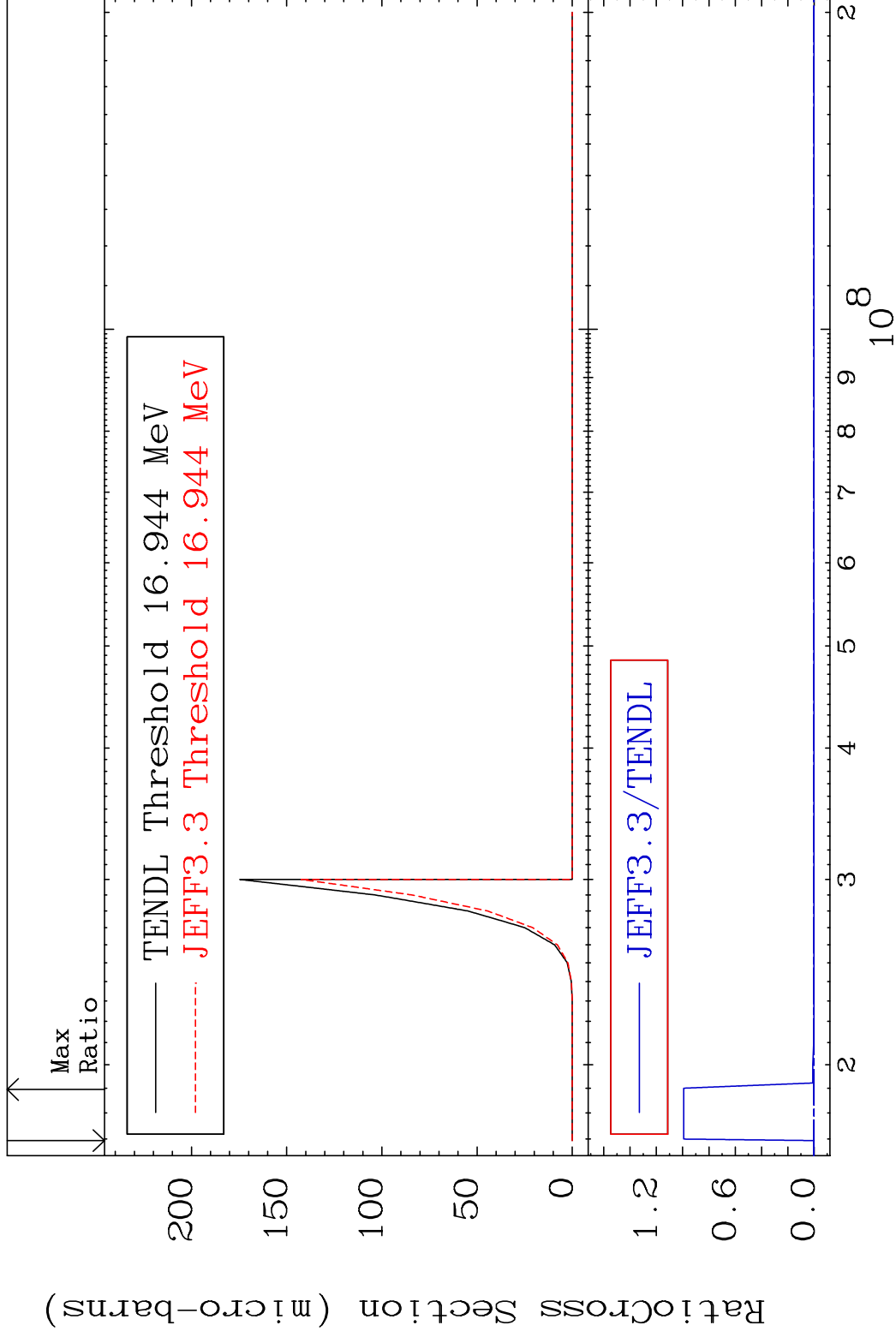


MAT 3525

(n,2n) p

35-Br-79

Cross Section -100.0 To 9999. %

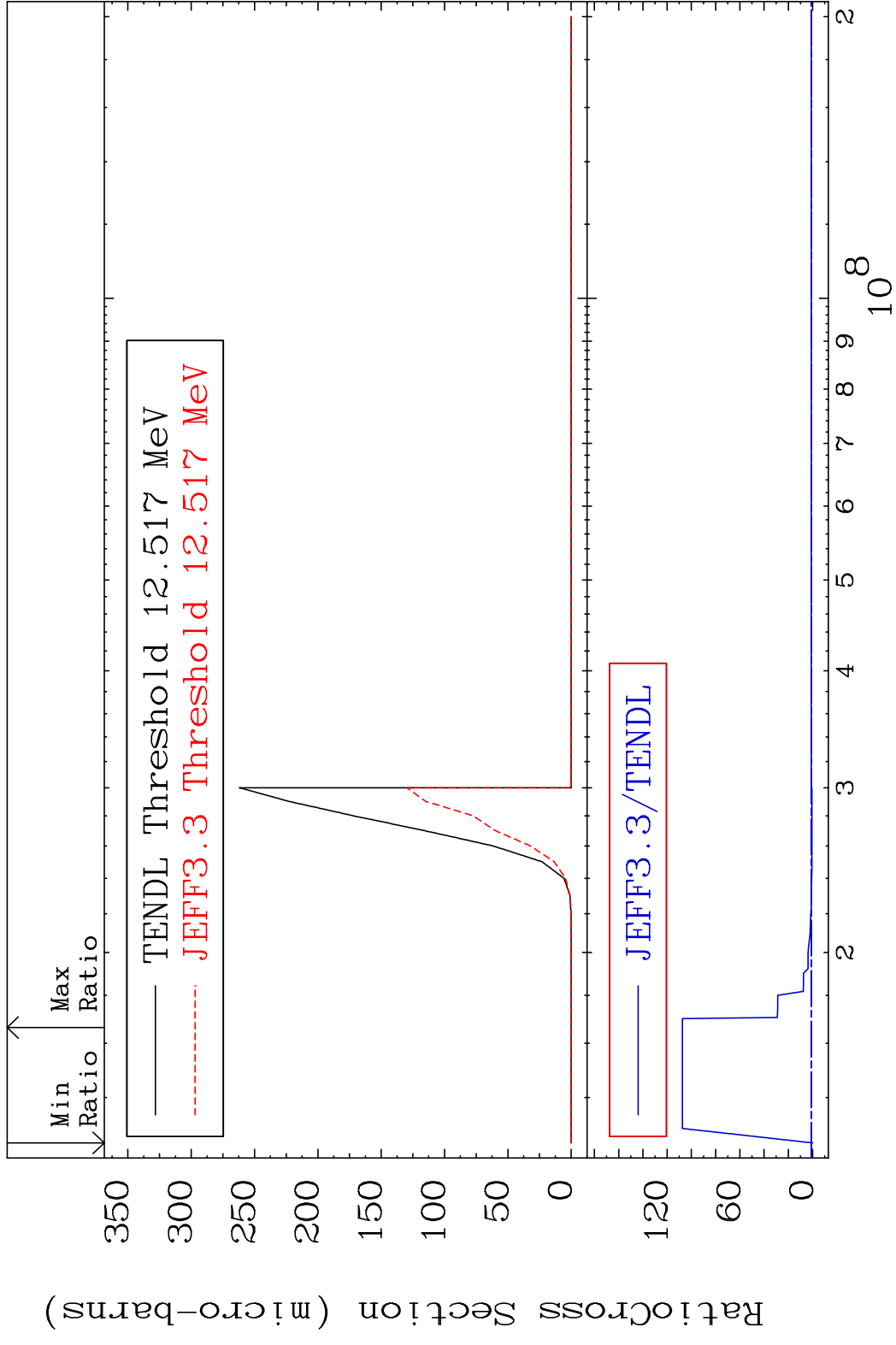


17

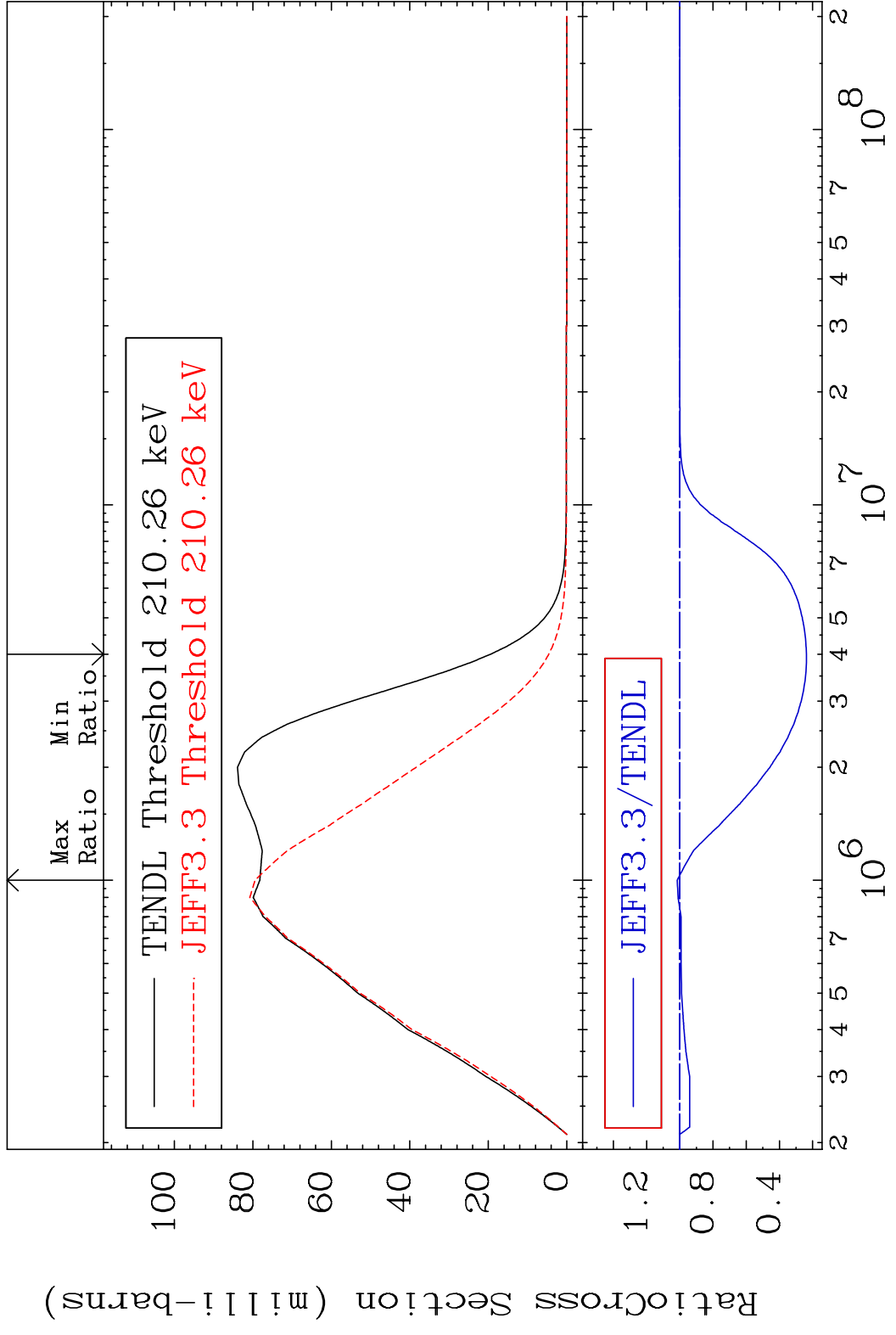
Incident Energy (eV)

35-Br-79

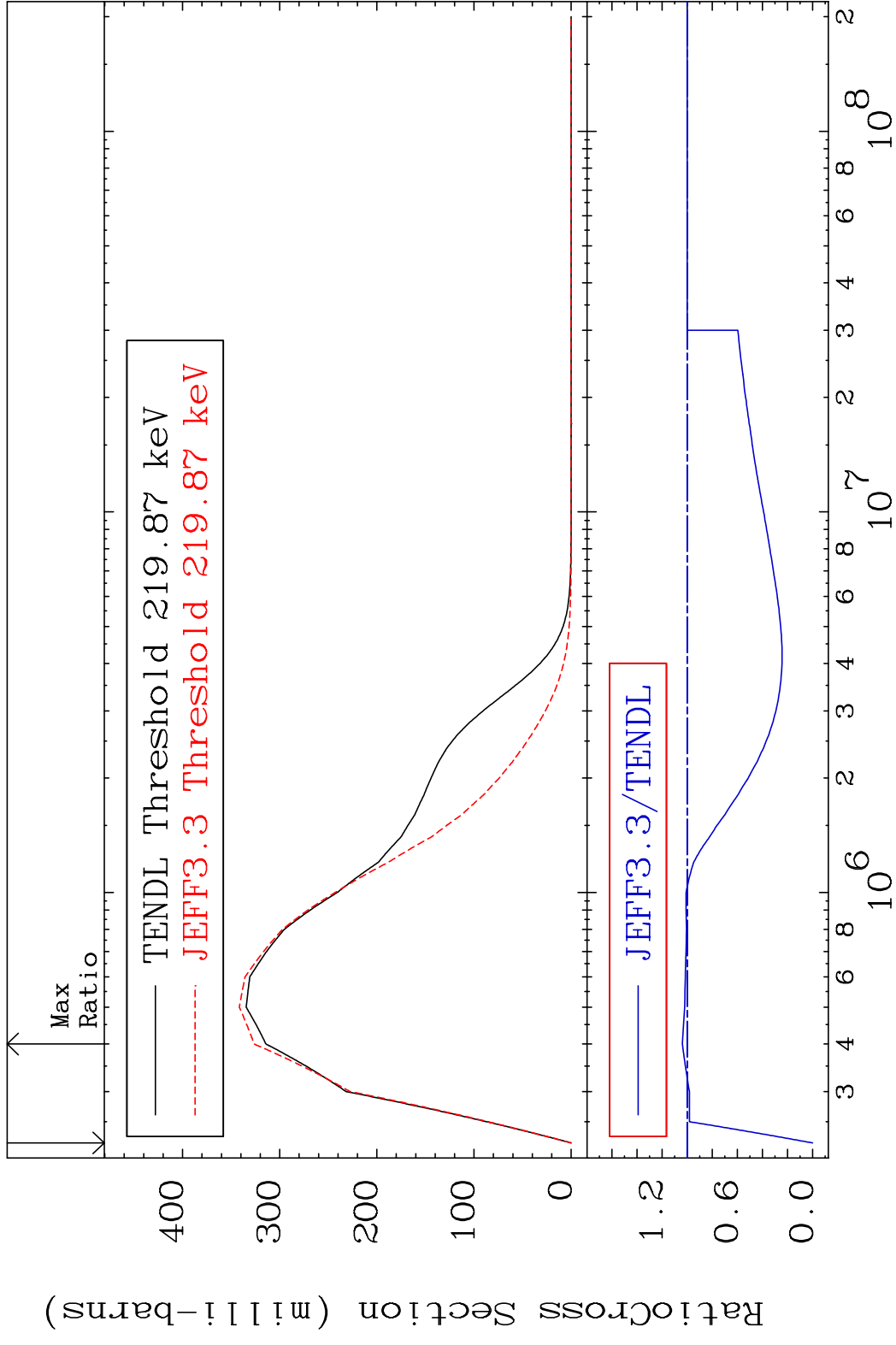
MAT 3525 (n,n') p α 35-Br-79
 Cross Section -100.0 To 9999. %



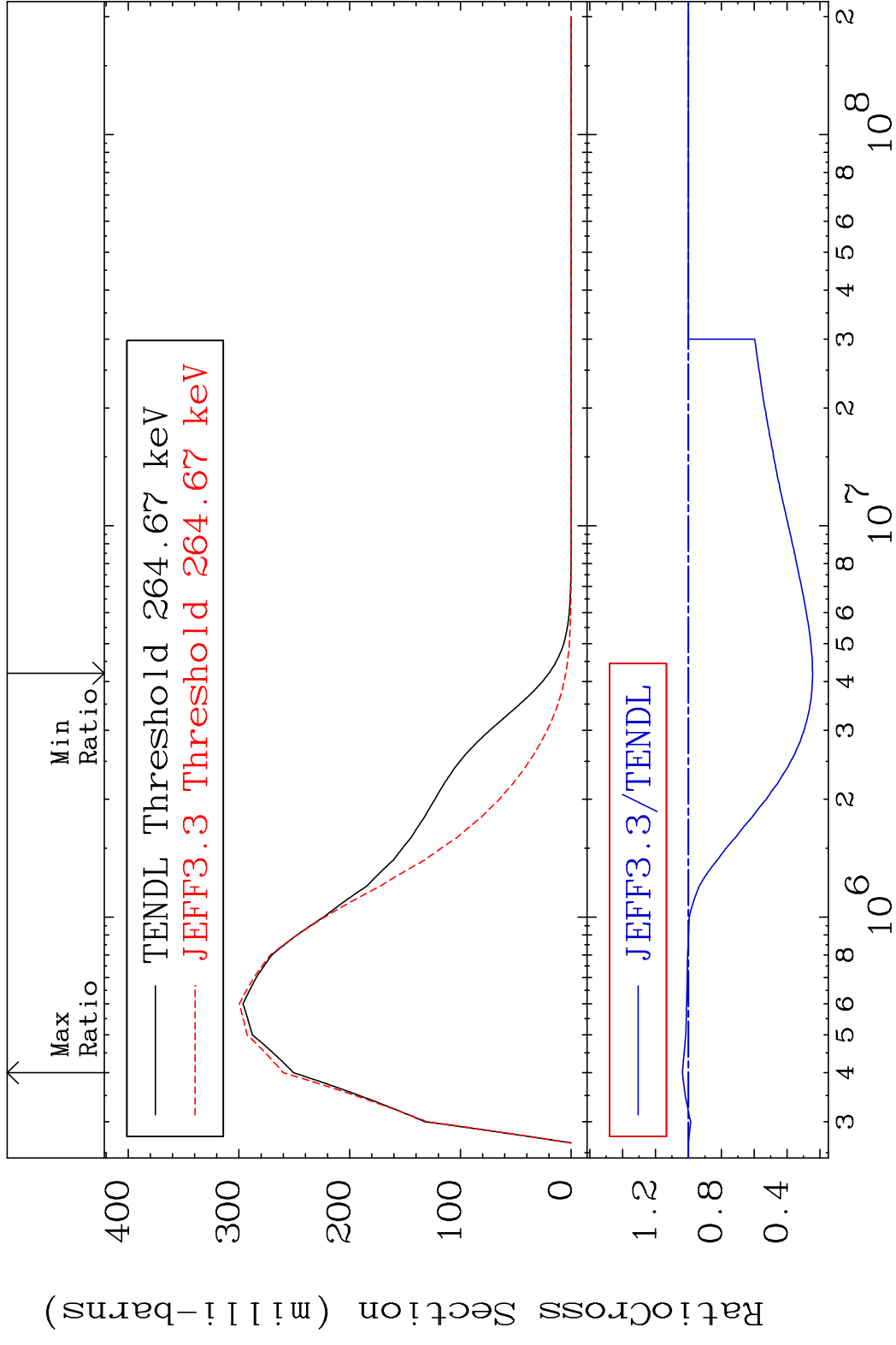
MAT 3525 MT= 51 (n, n') Level 35-Br-79
 Cross Section -76.26 To 1.572 %



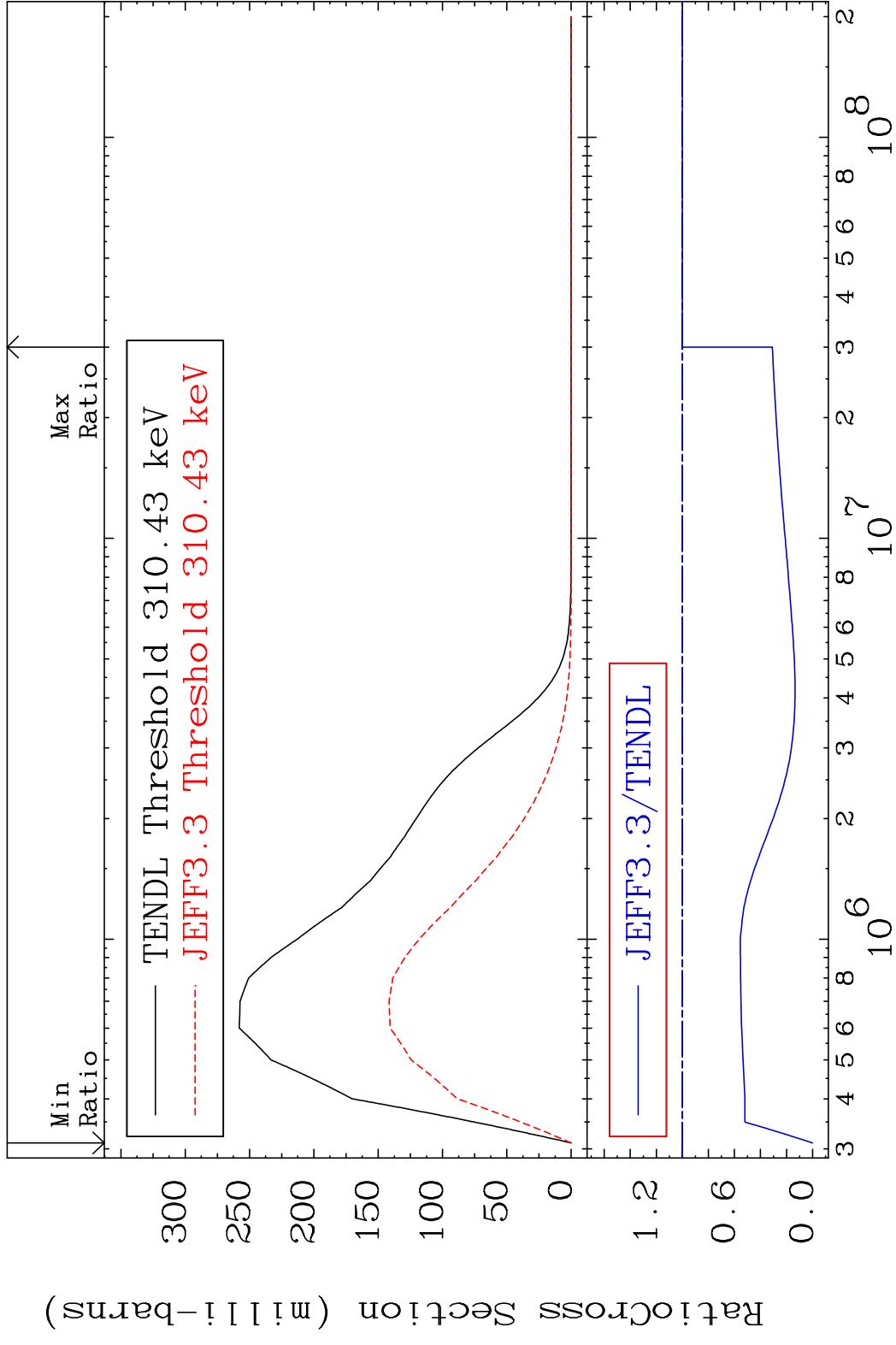
MAT 3525 MT= 52 (n, n') Level 35-Br-79
 Cross Section -100.0 To 3.878 %



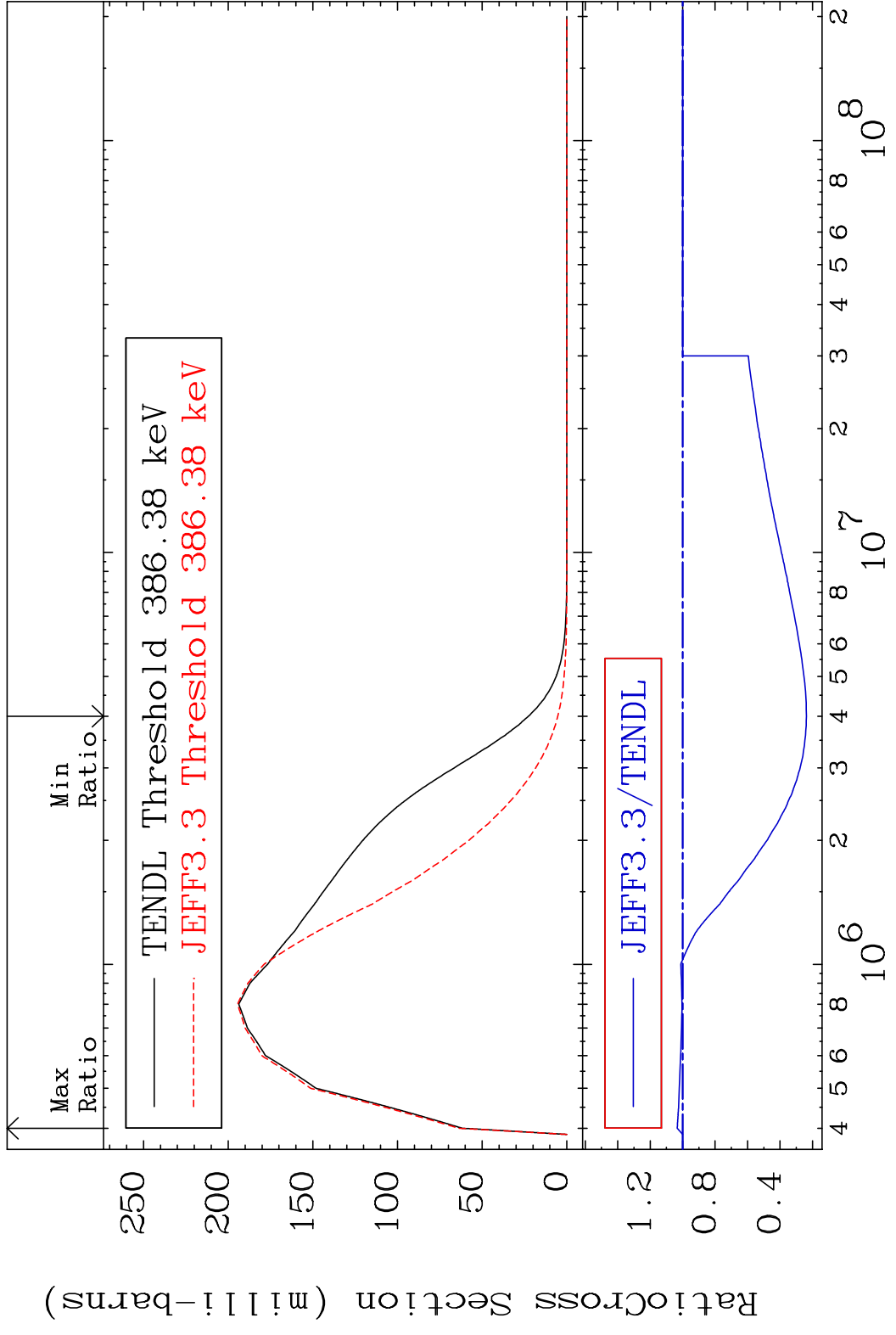
MAT 3525 MT= 53 (n, n') Level 35-Br-79
 Cross Section -75.56 To 3.696 %



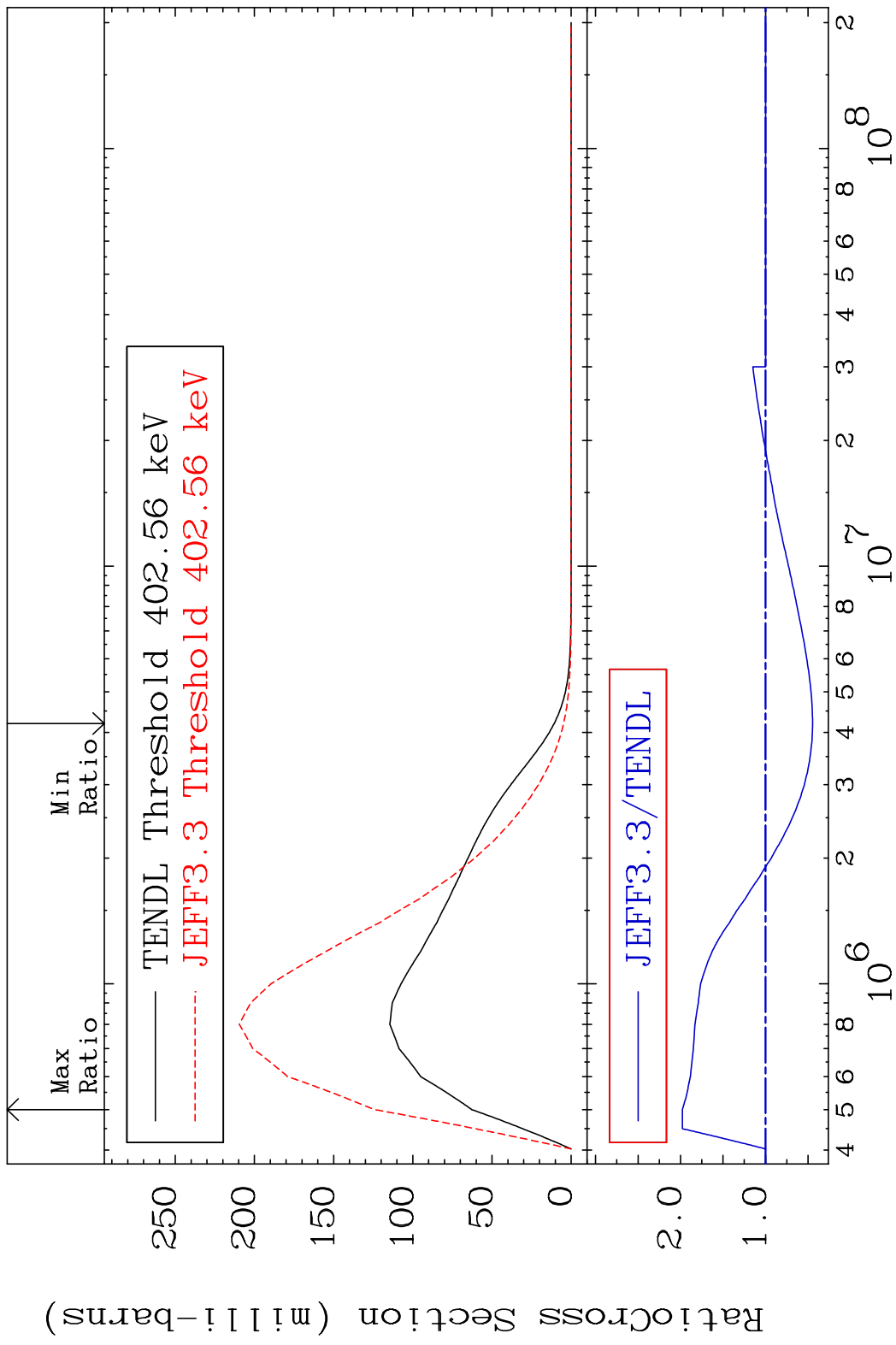
MAT 3525 MT= 54 (n,n') Level 35-Br-79
 Cross Section -100.0 To 0.000 %



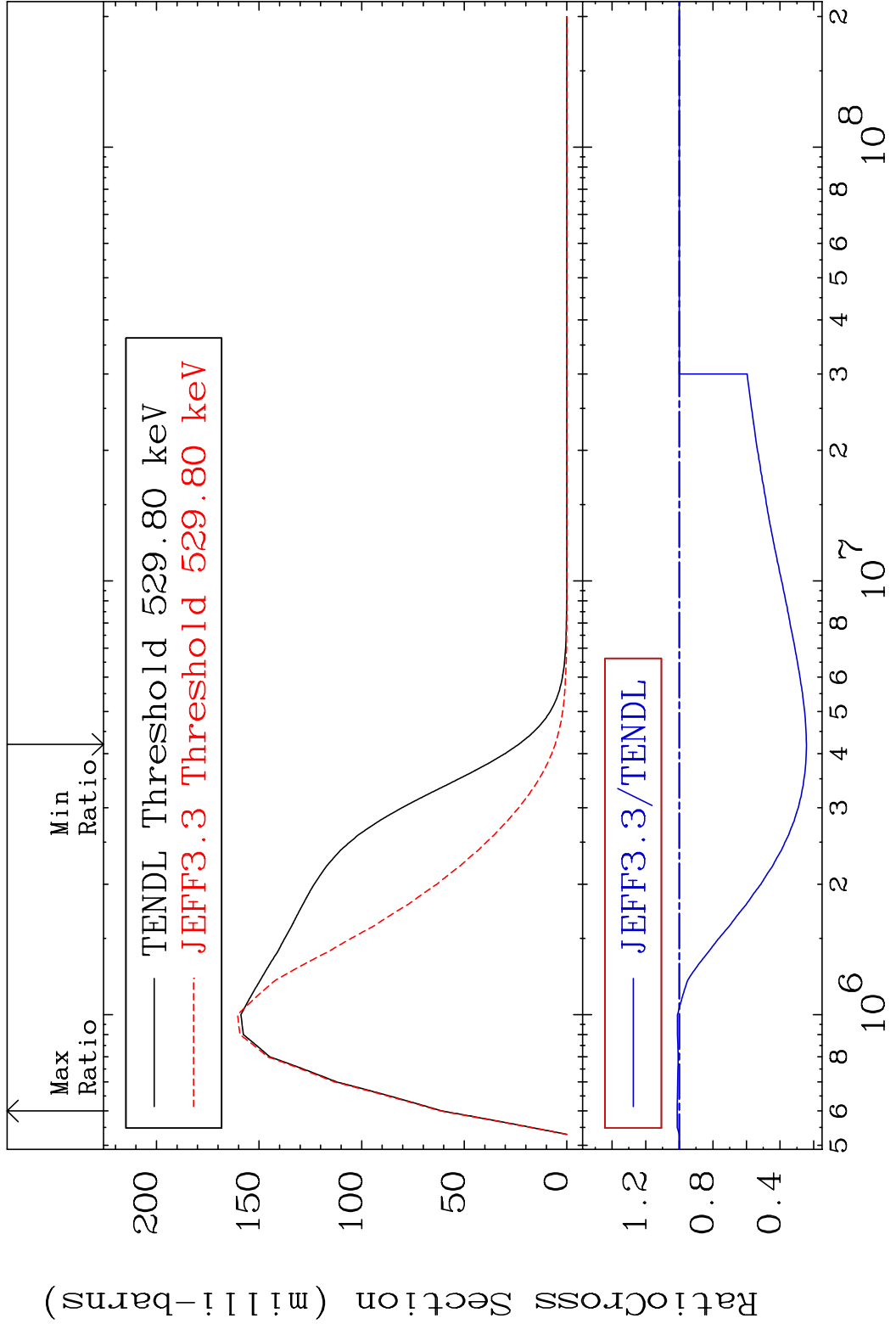
MAT 3525 MT= 55 (n, n') Level 35-Br-79
 Cross Section -76.23 To 3.374 %



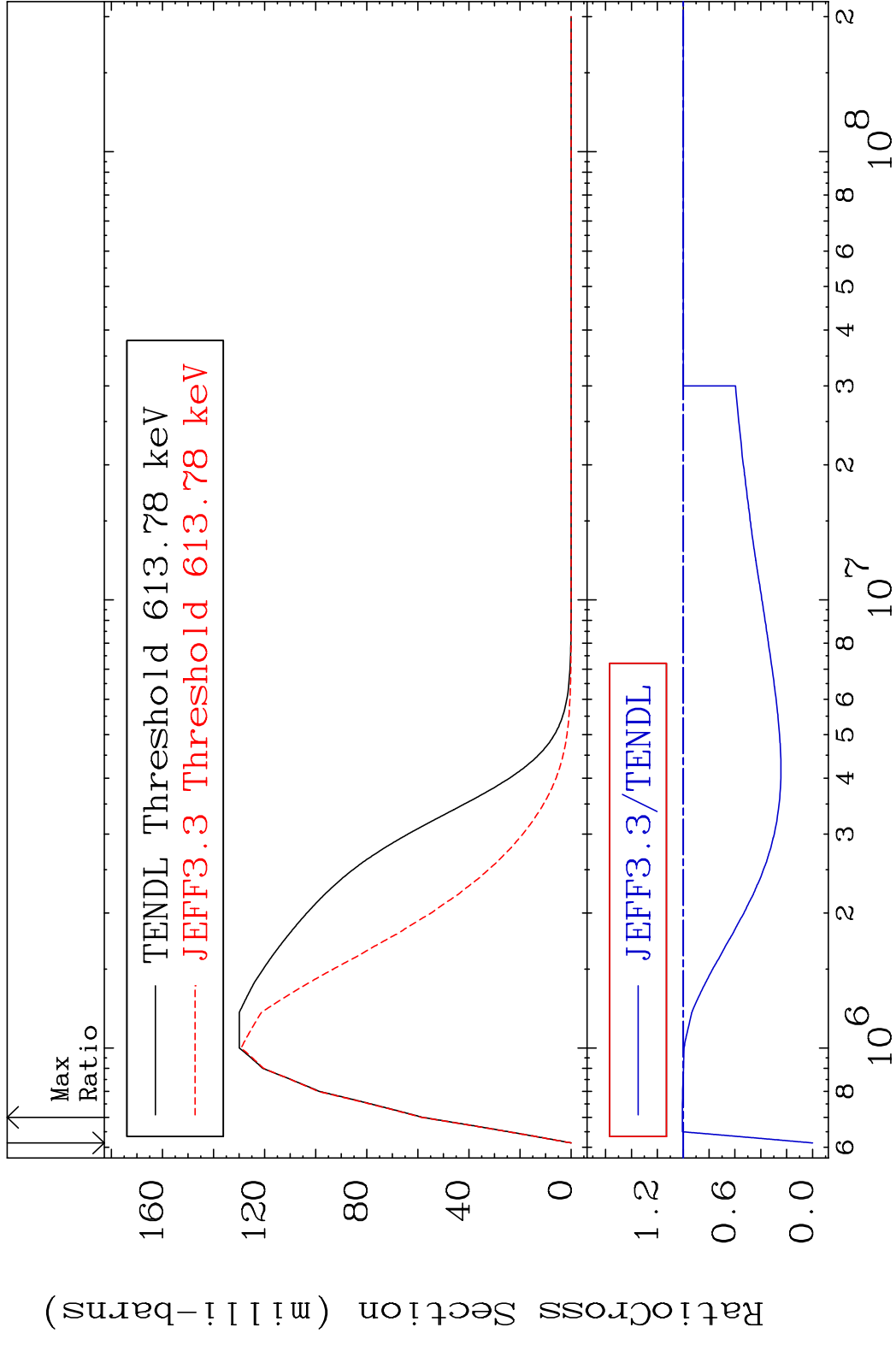
MAT 3525 MT= 56 (n,n') Level 35-Br-79
 Cross Section -55.36 To 97.86 %



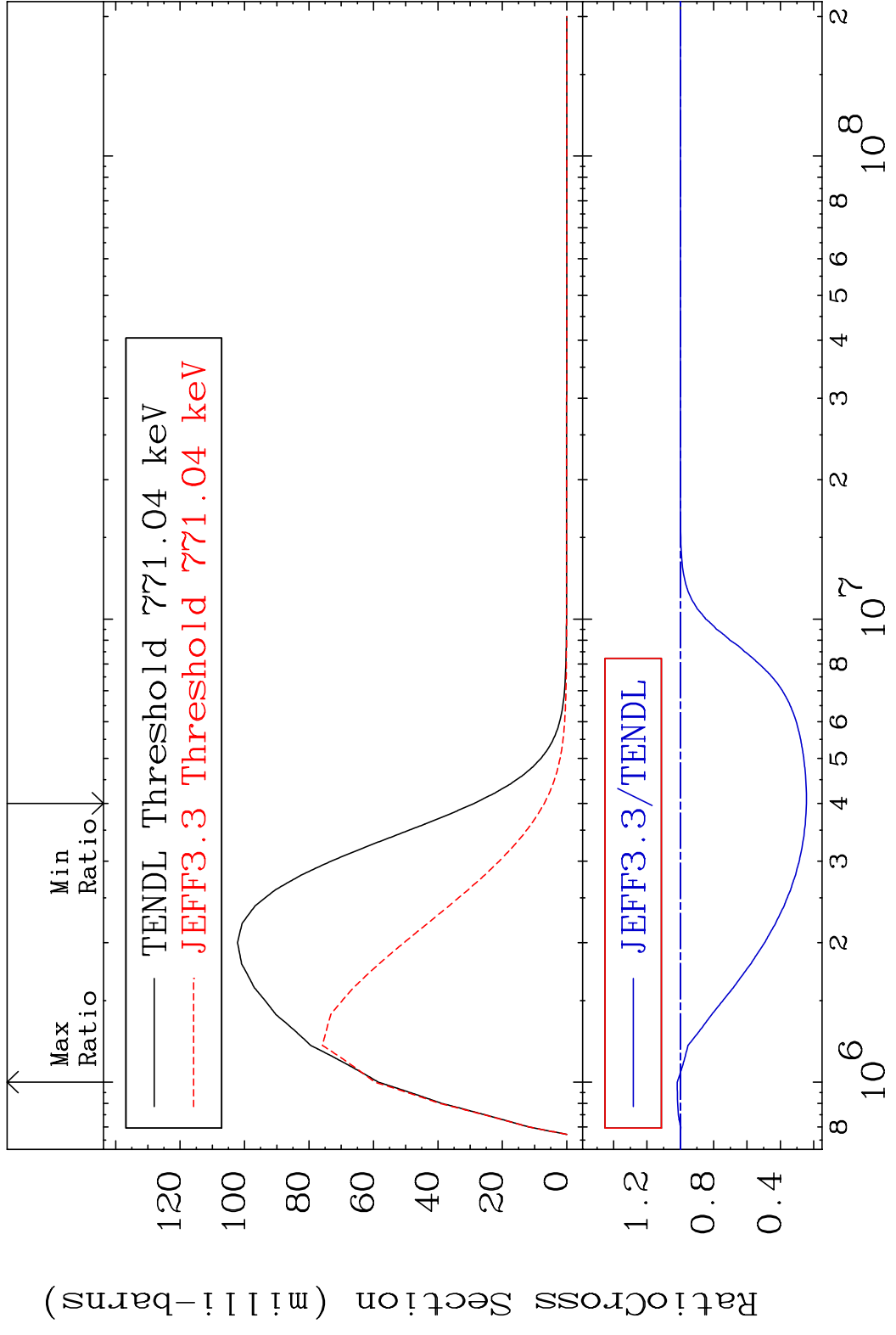
MAT 3525 MT= 57 (n, n') Level 35-Br-79
 Cross Section -75.67 To 1.253 %



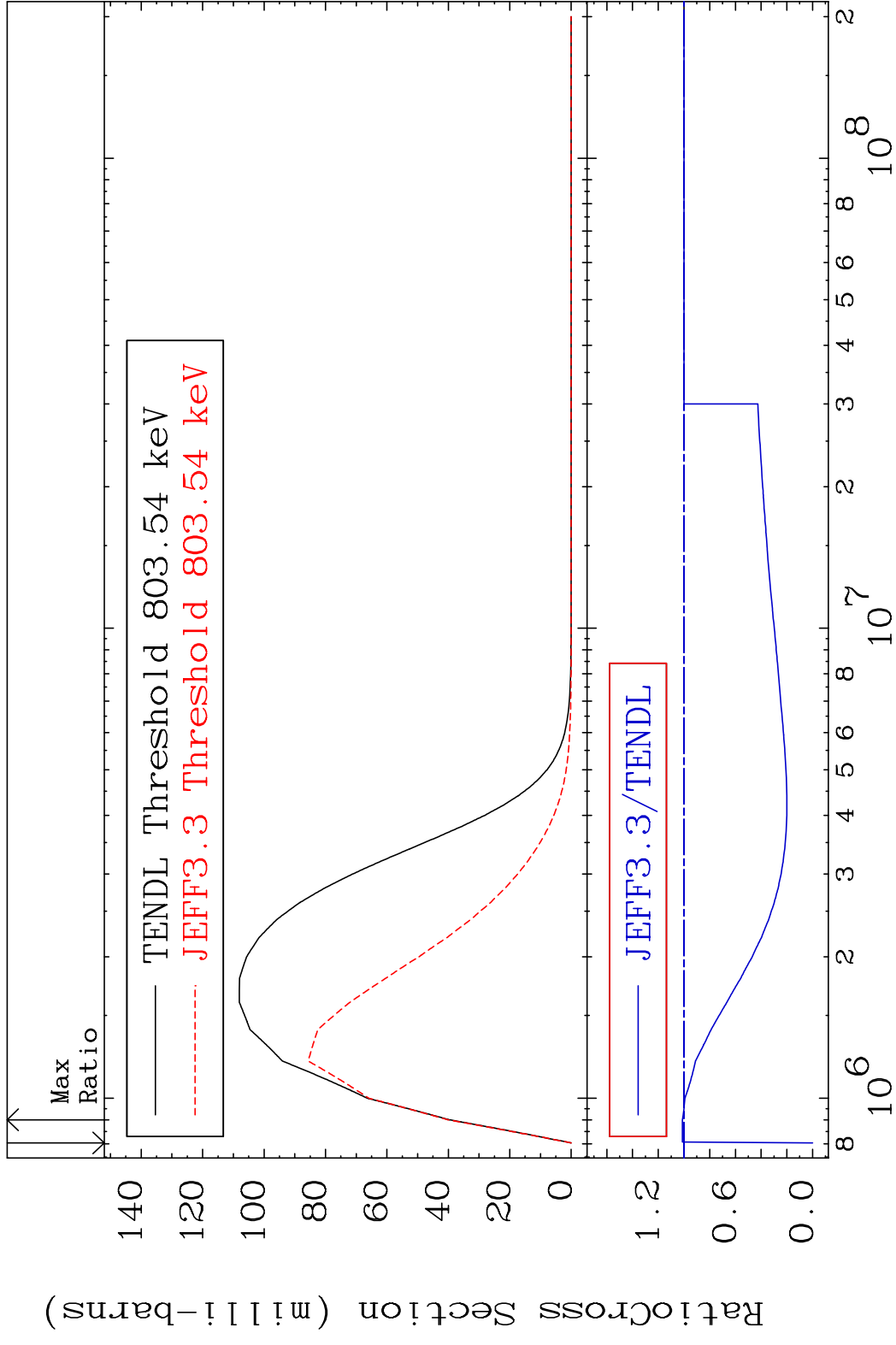
MAT 3525 MT= 58 (n, n') Level 35-Br-79
 Cross Section -100.0 To 0.655 %



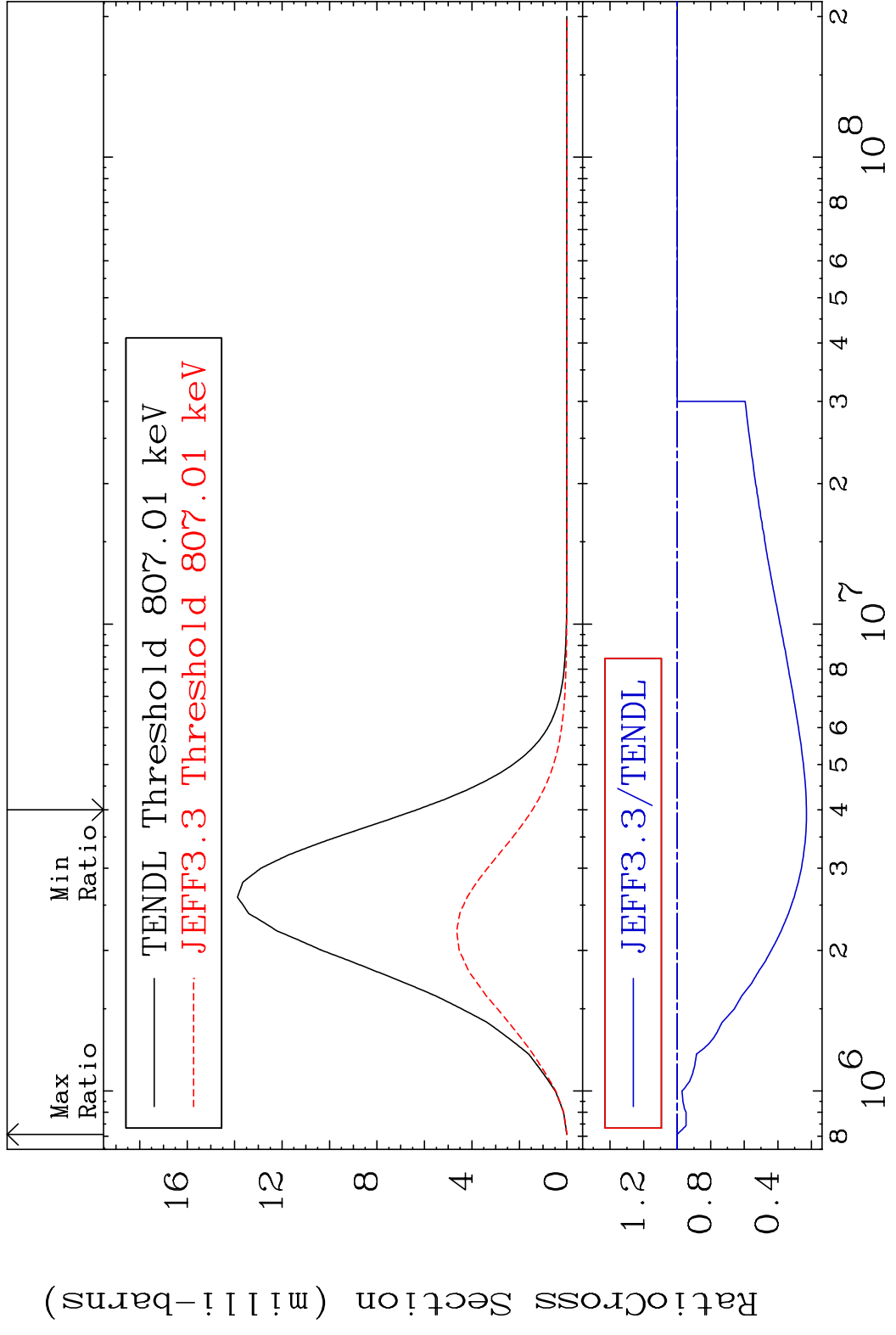
MAT 3525 MT= 59 (n, n') Level 35-Br-79
 Cross Section -75.63 To 1.890 %



MAT 3525 MT= 60 (n,n') Level 35-Br-79
 Cross Section -100.0 To 1.270 %

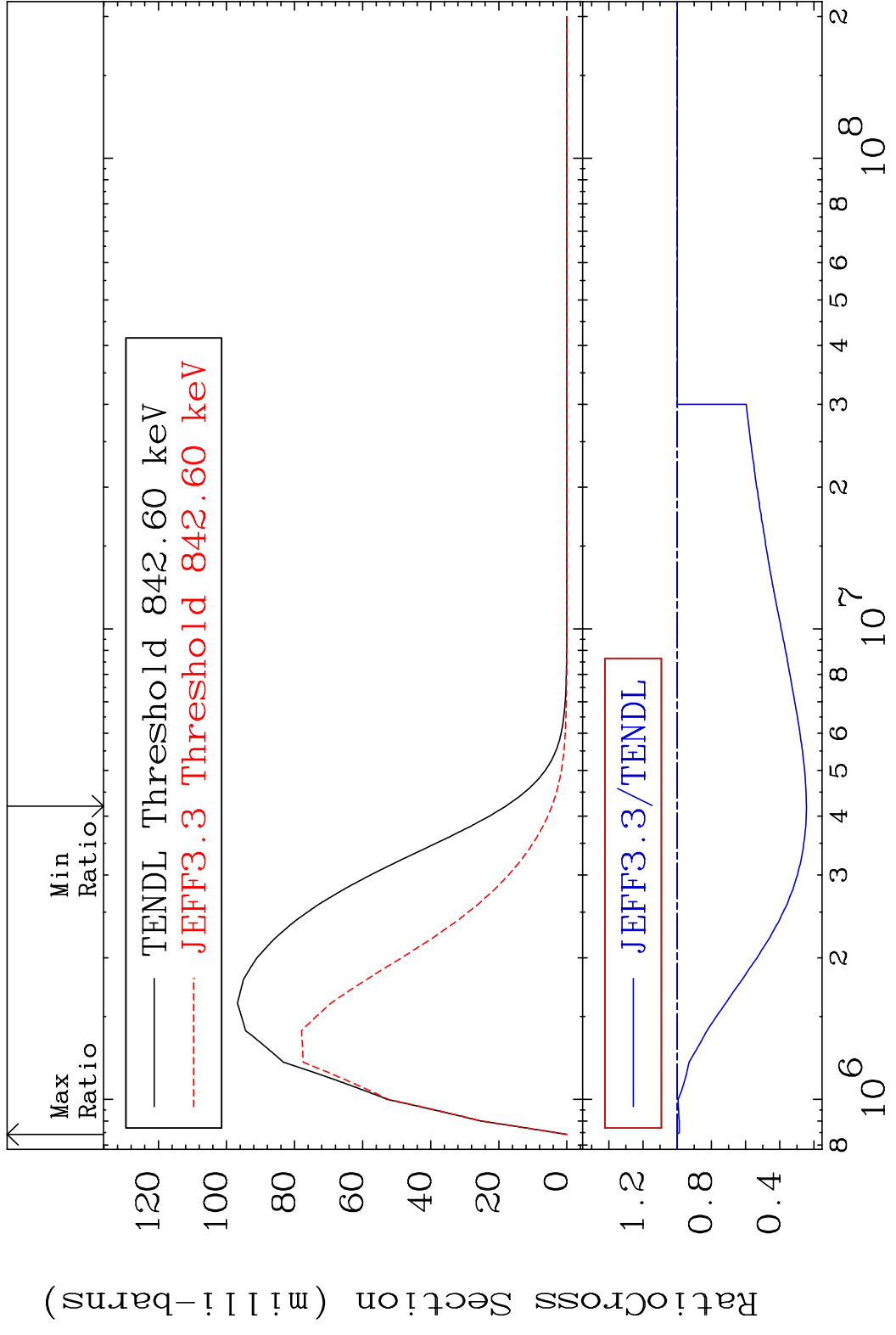


MAT 3525 MT= 61 (n, n') Level 35-Br-79
 Cross Section -77.04 To 0.000 %



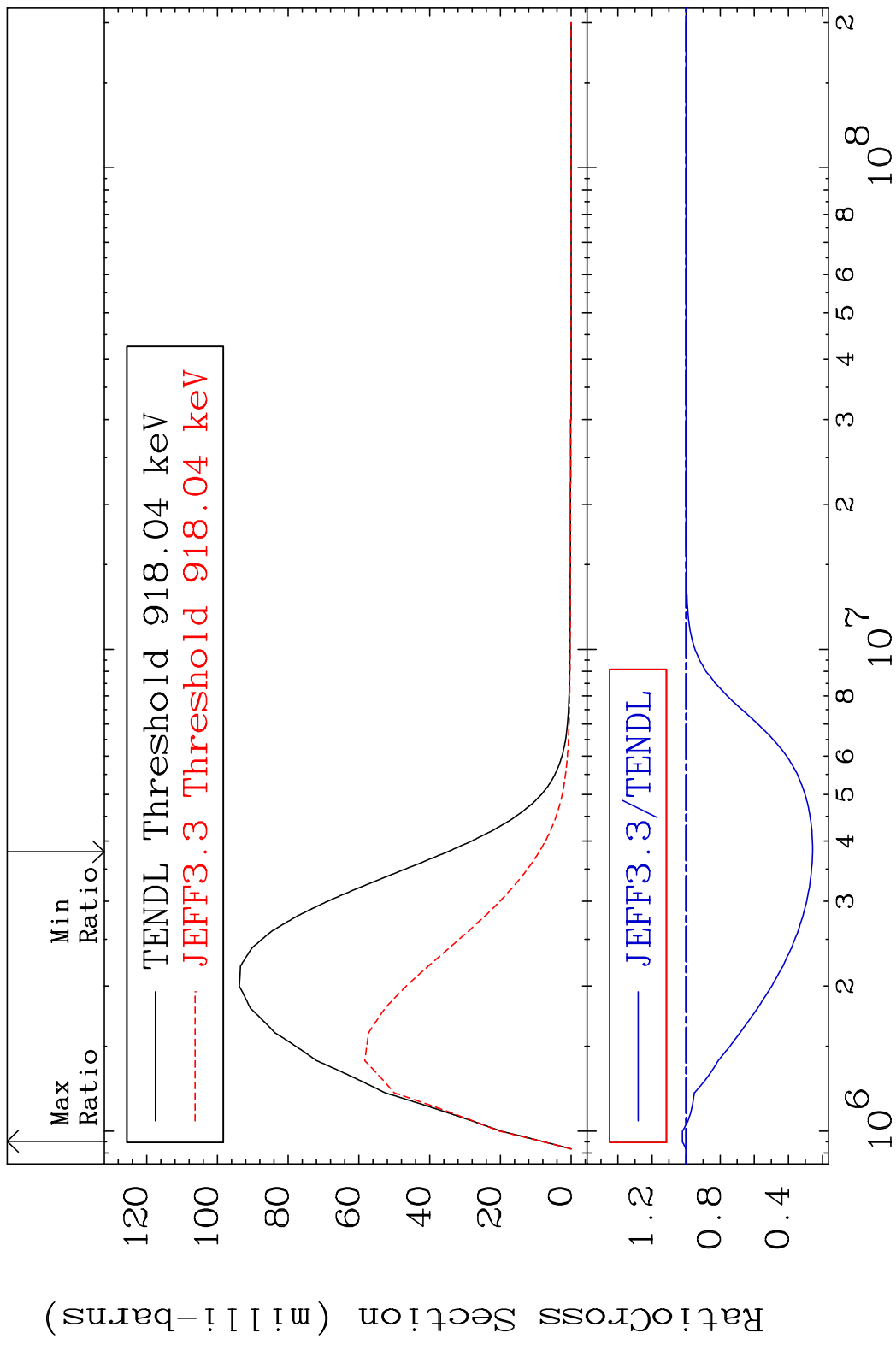
29 Incident Energy (eV) 35-Br-79

MAT 3525 MT= 62 (n, n') Level 35-Br-79
 Cross Section -75.55 To 0.000 %



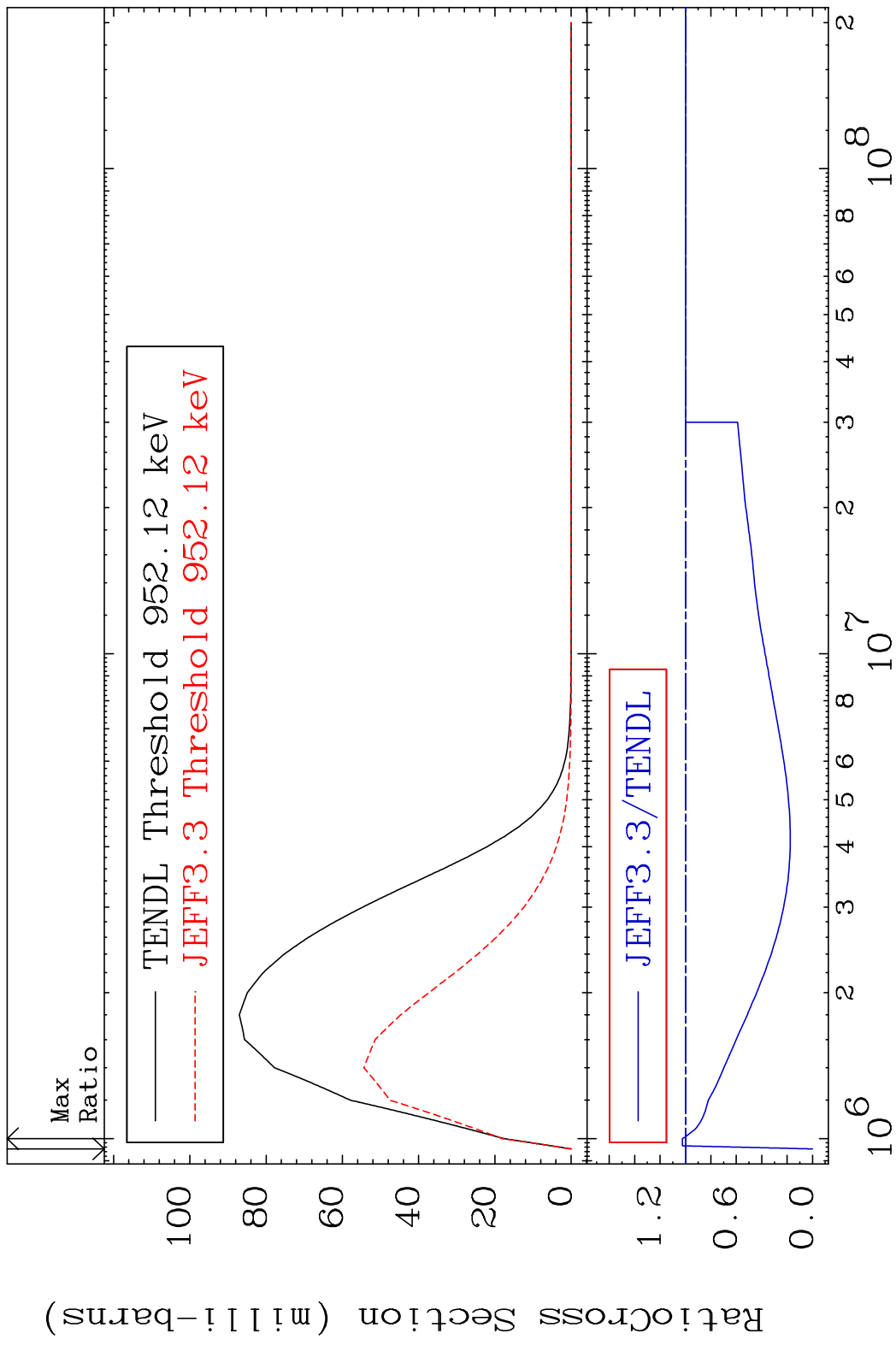
30 Incident Energy (eV) 35-Br-79

MAT 3525 MT= 63 (n,n') Level 35-Br-79
 Cross Section -74.22 To 2.188 %



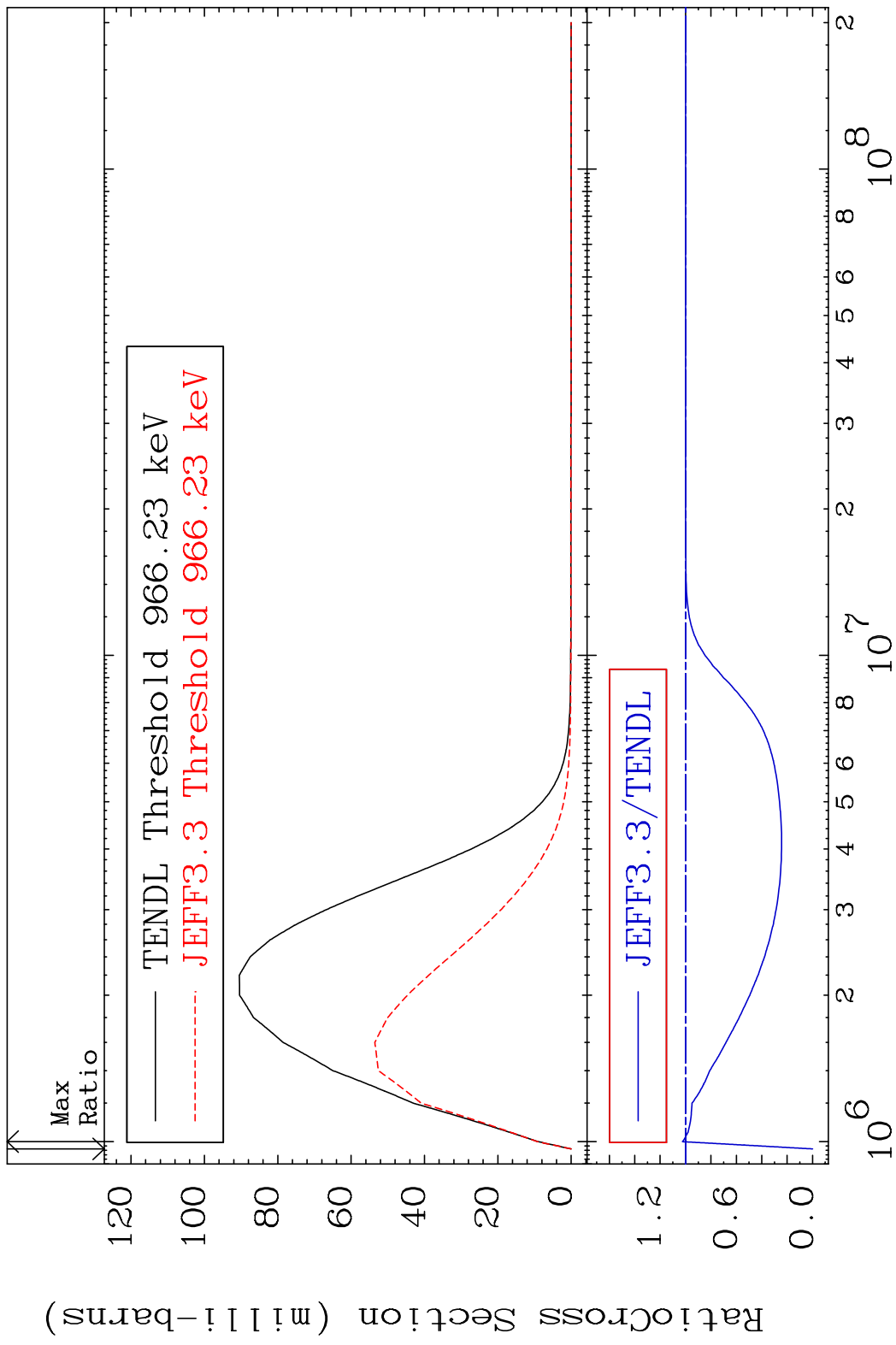
31 Incident Energy (eV) 35-Br-79

MAT 3525 MT= 64 (n,n') Level 35-Br-79
 Cross Section -100.0 To 2.471 %



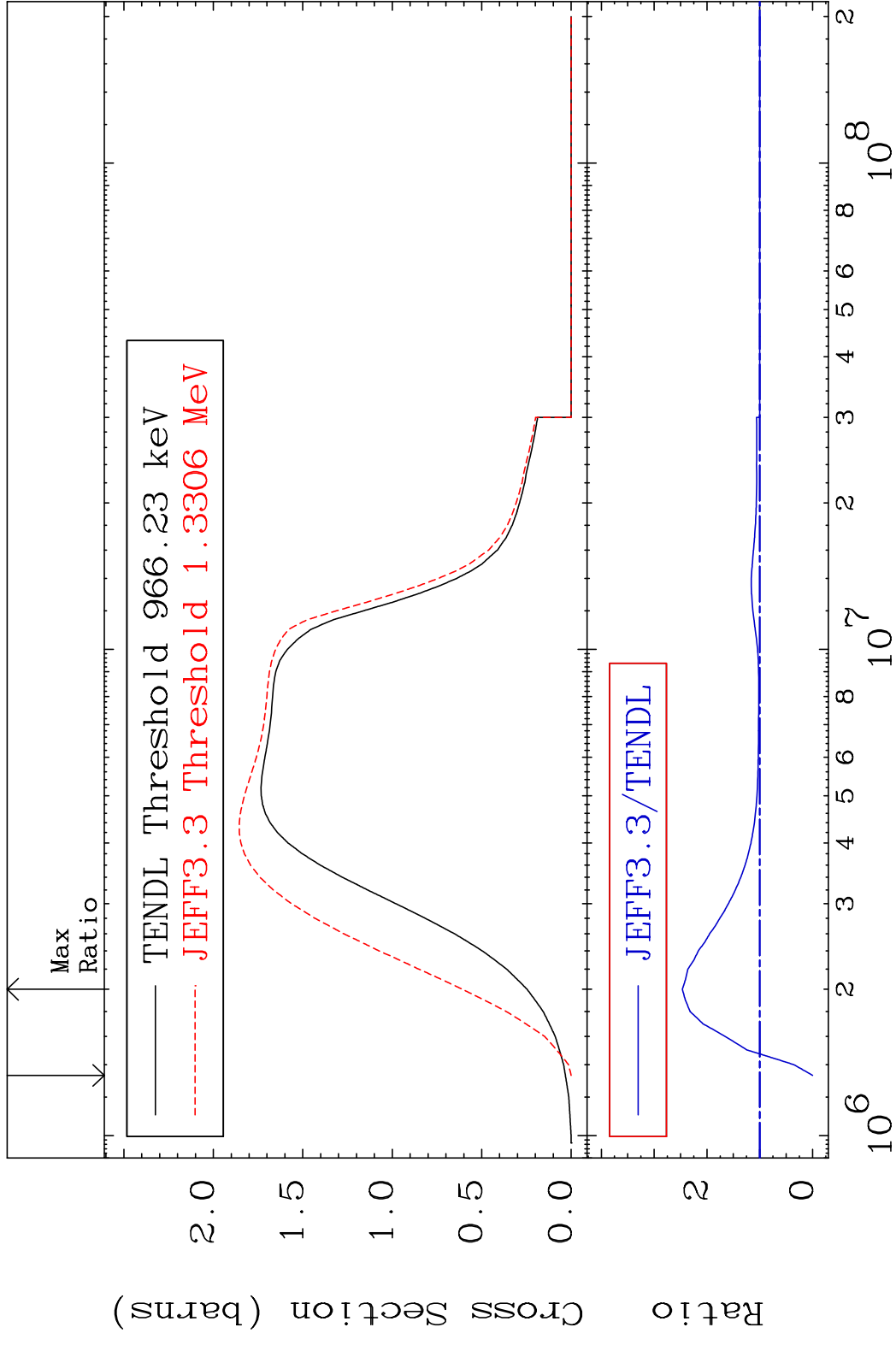
32 Incident Energy (eV) 35-Br-79

MAT 3525 MT= 65 (n, n') Level 35-Br-79
 Cross Section -100.0 To 2.518 %



33 Incident Energy (eV) 35-Br-79

MAT 3525 (n, n') Continuum 35-Br-79
 Cross Section -100.0 To 146.6 %

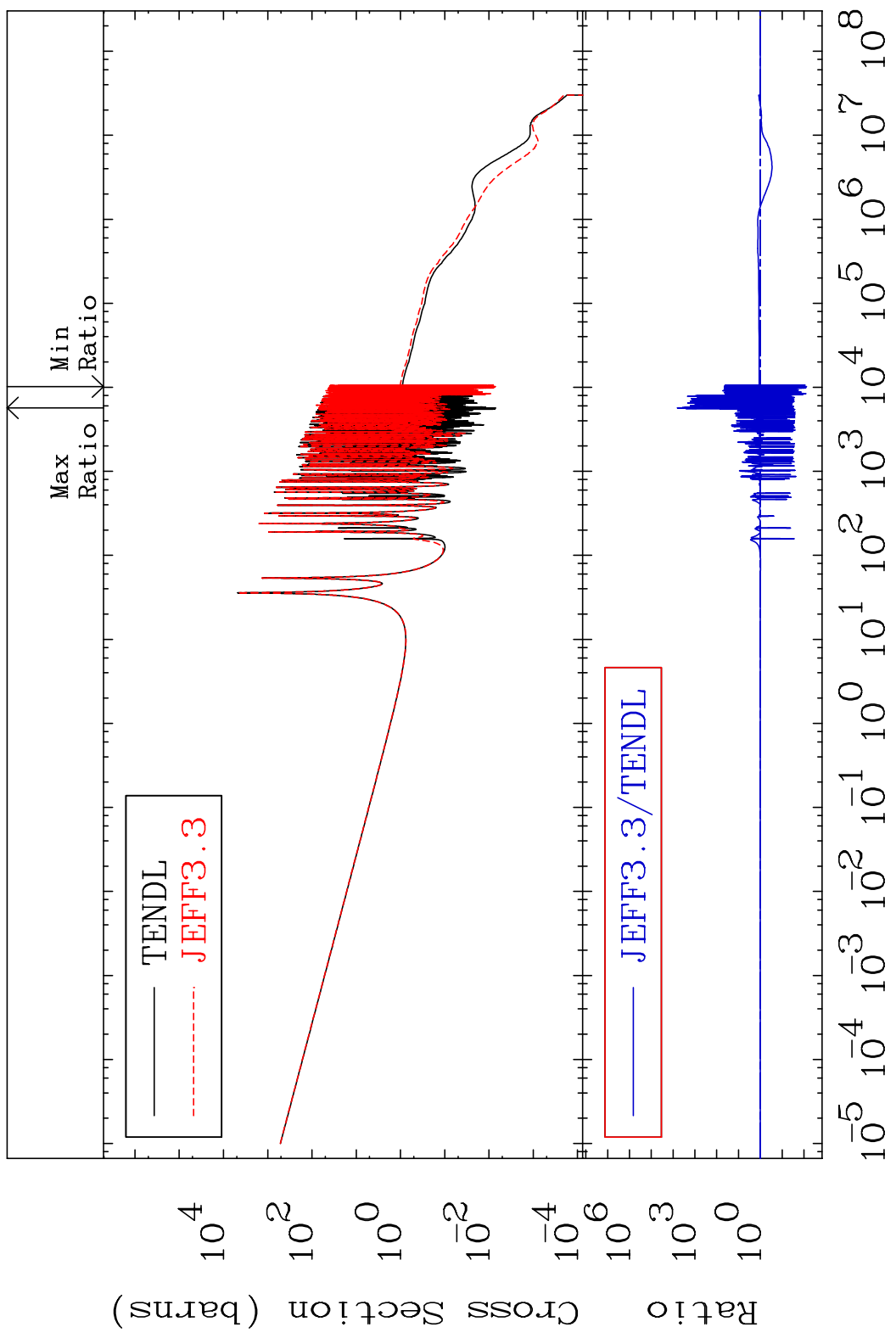


MAT 3525

(n, γ)

35-Br-79

Cross Section -99.23 To 9999. %



35

Incident Energy (eV)

35-Br-79

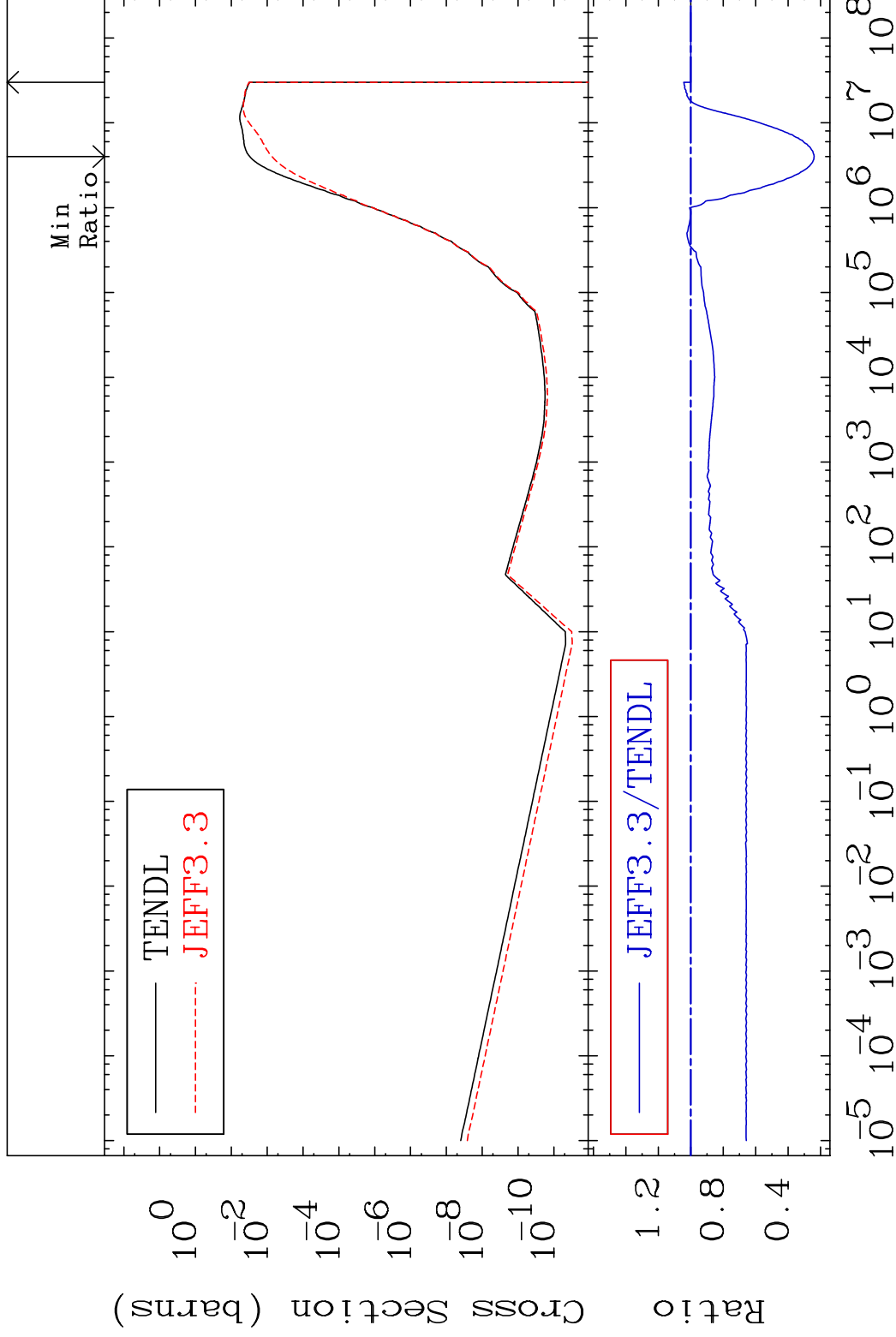
MAT 3525

(n, p)

35-Br-79

Cross Section

-76.06 To 4.404 %



36

Incident Energy (eV)

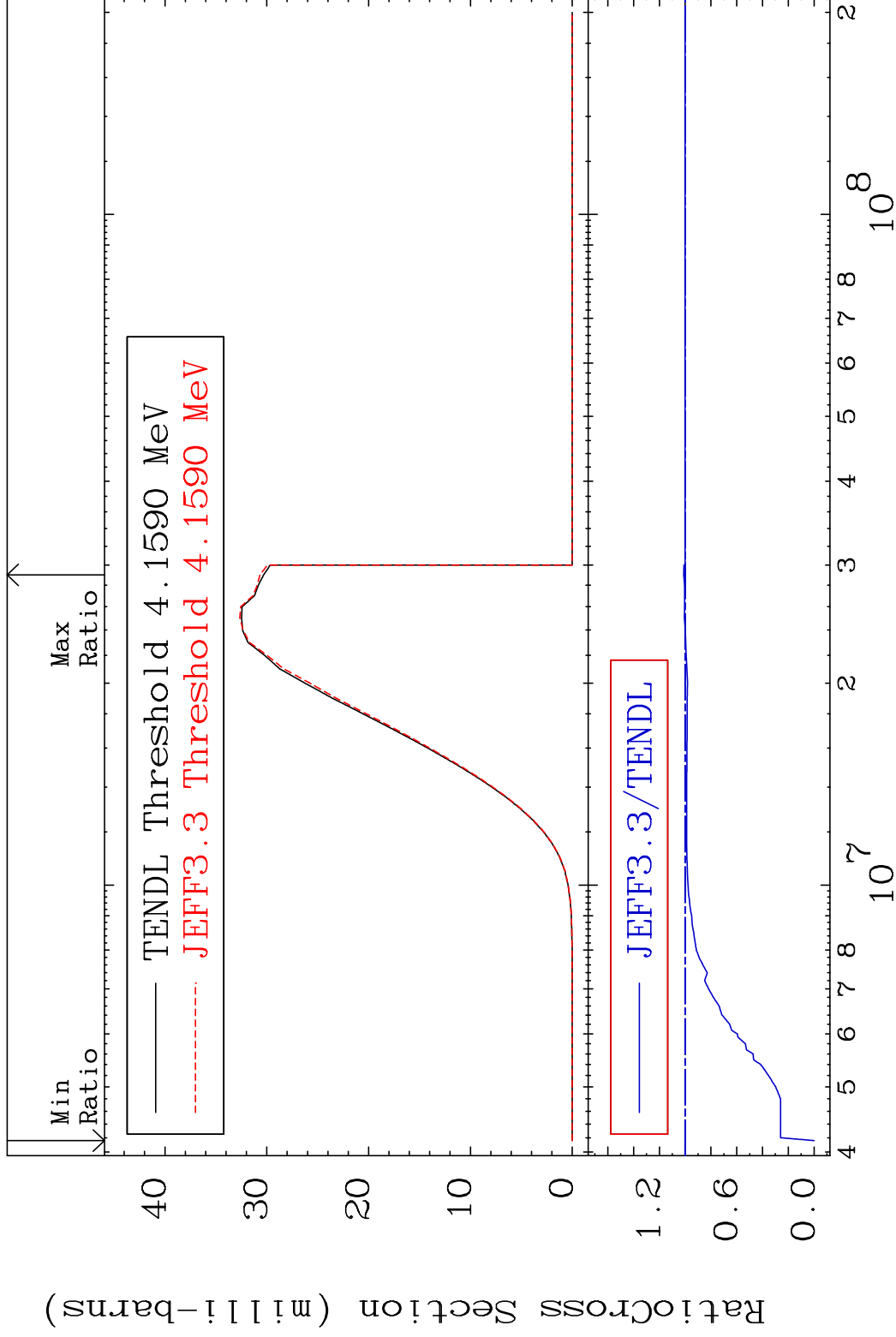
35-Br-79

MAT 3525

(n, d)

35-Br-79

Cross Section -100.0 To 1.176 %

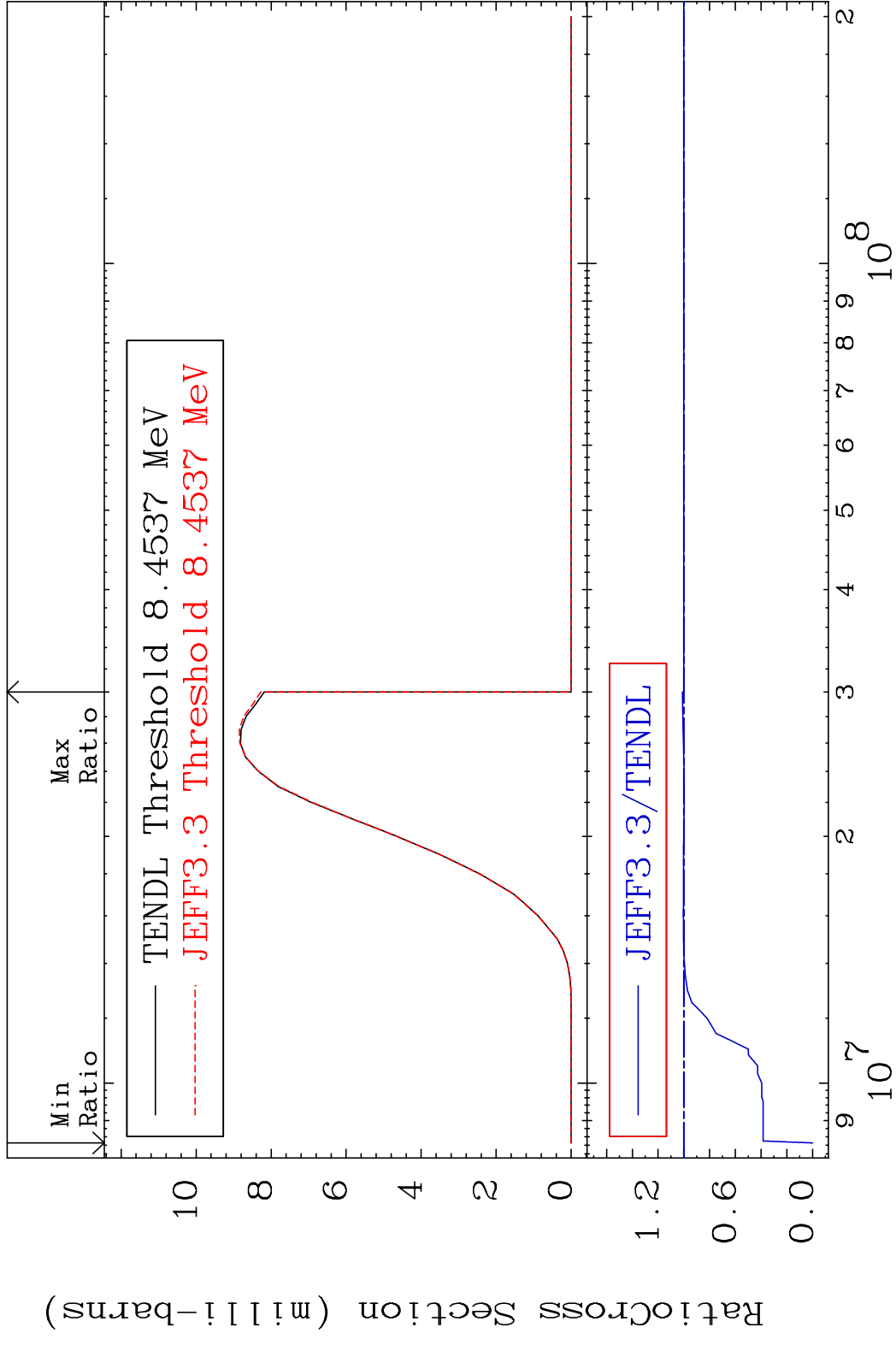


37

Incident Energy (eV)

35-Br-79

MAT 3525 (n, t) 35-Br-79
 Cross Section -100.0 To 1.150 %

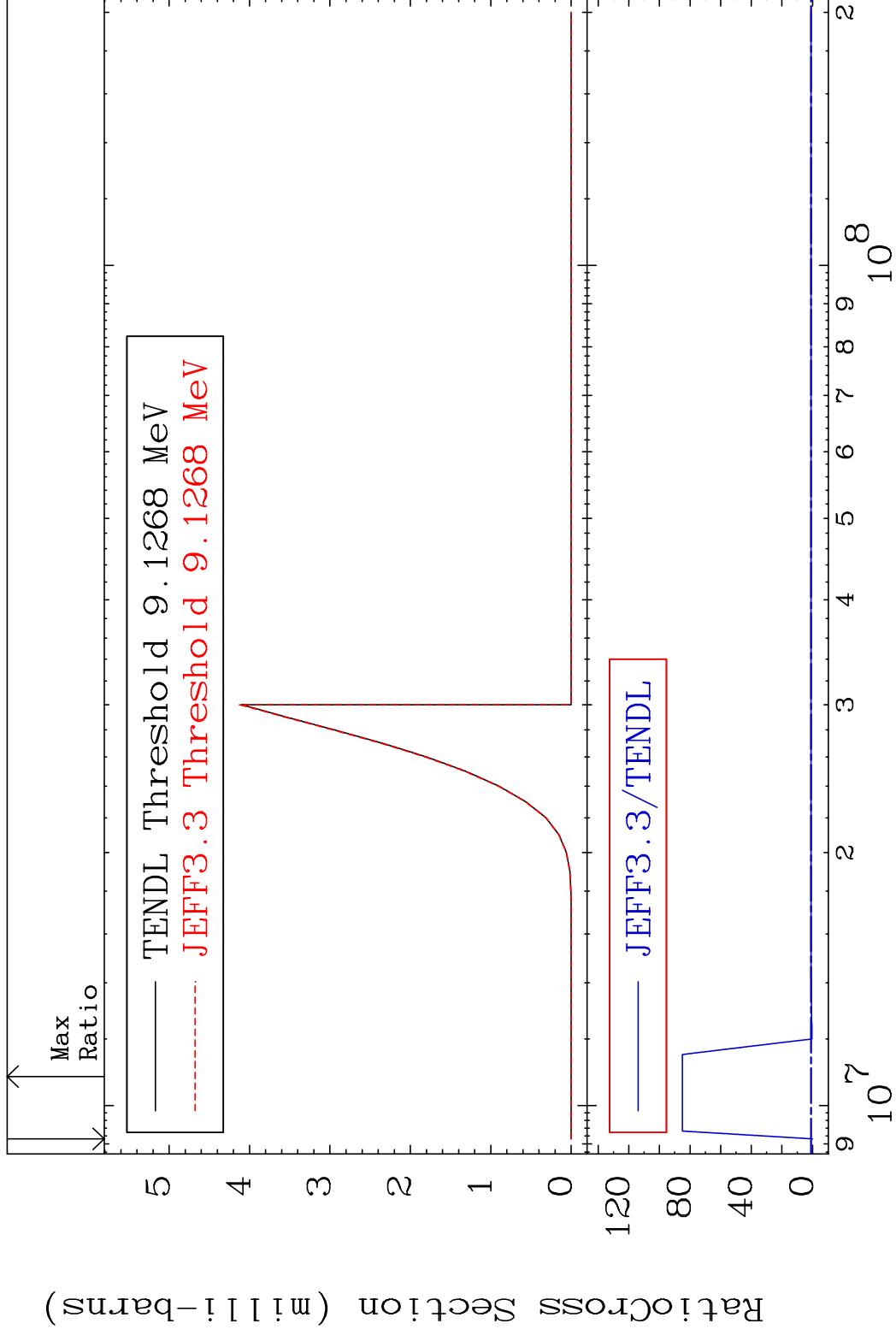


MAT 3525

(n, He-3)

35-Br-79

Cross Section -100.0 To 8403. %



39

Incident Energy (eV)

35-Br-79

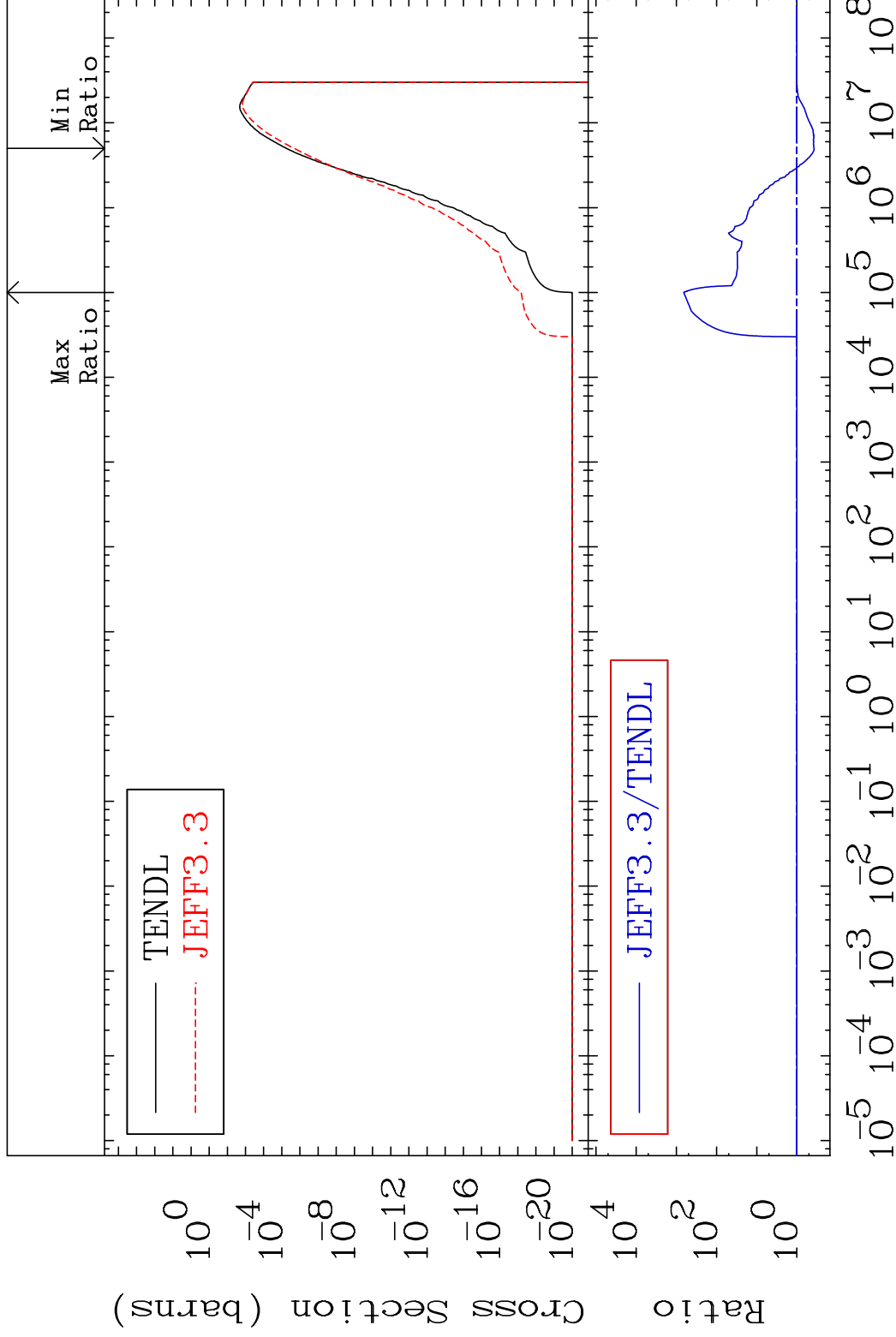
MAT 3525

(n, α)

35-Br-79

Cross Section

-62.67 To 9999. %



40

Incident Energy (eV)

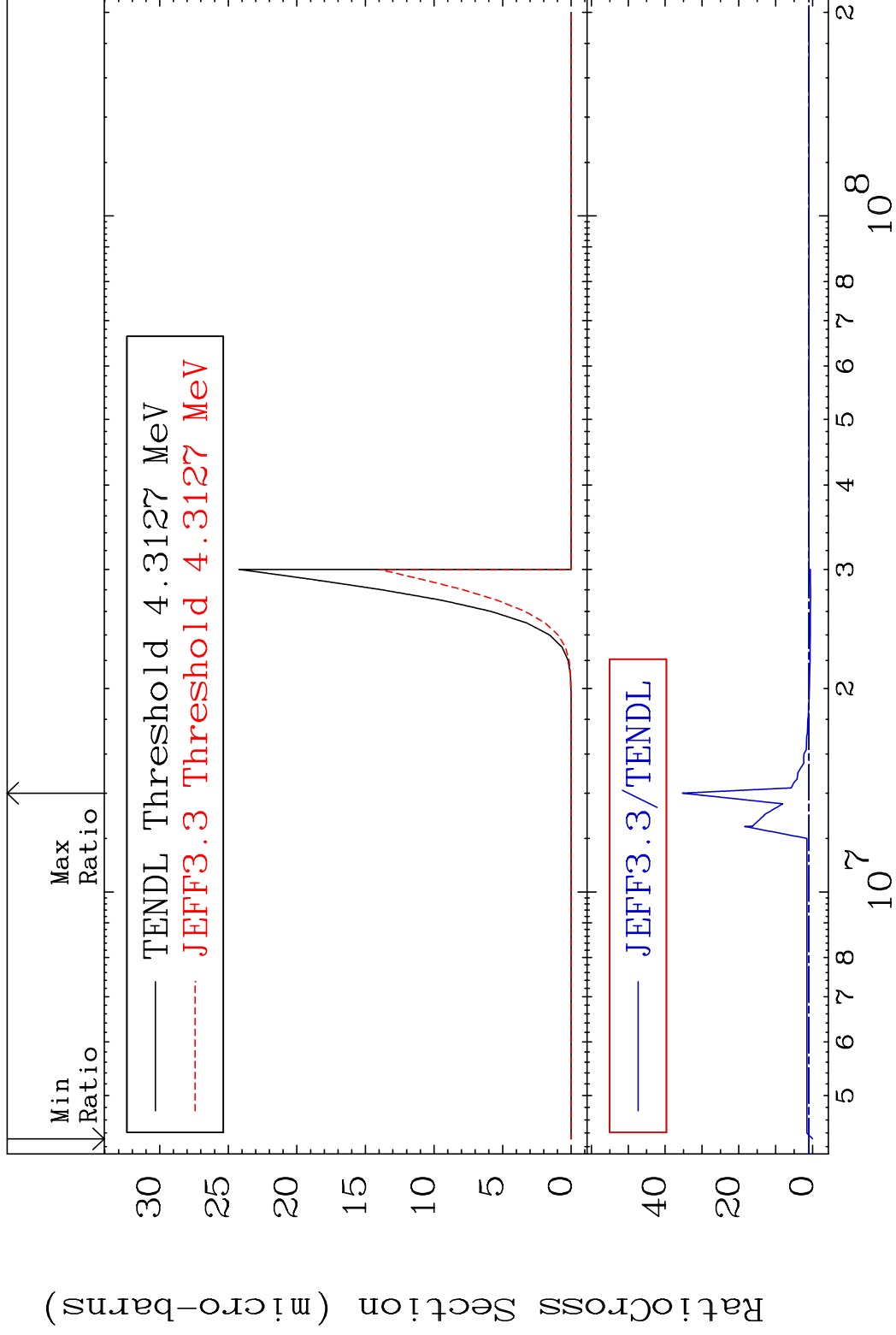
35-Br-79

MAT 3525

(n,2α)

35-Br-79

Cross Section -100.0 To 3432. %

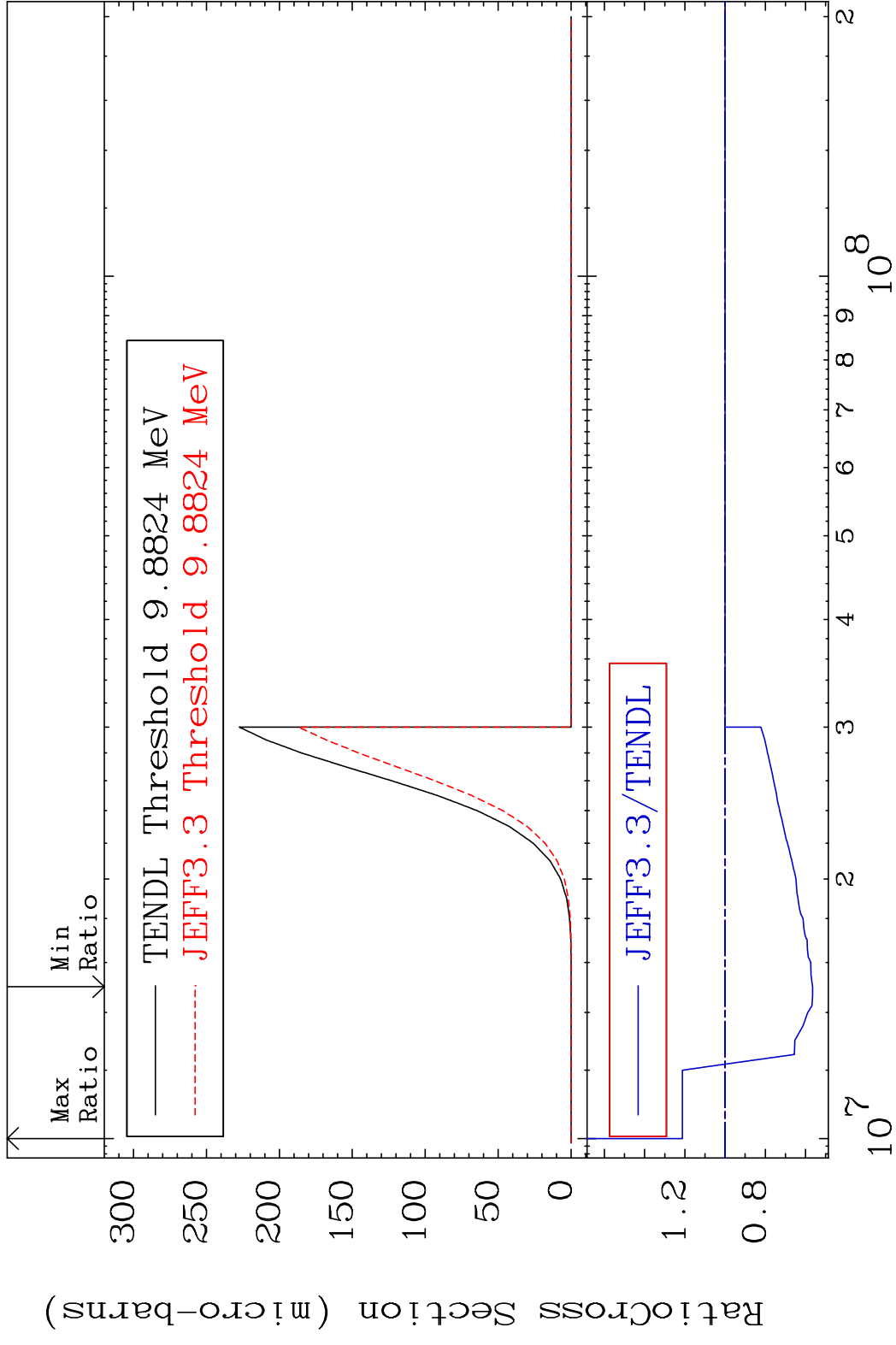


41

Incident Energy (eV)

35-Br-79

MAT 3525 (n,2p) 35-Br-79
 Cross Section -43.49 To 21.24 %



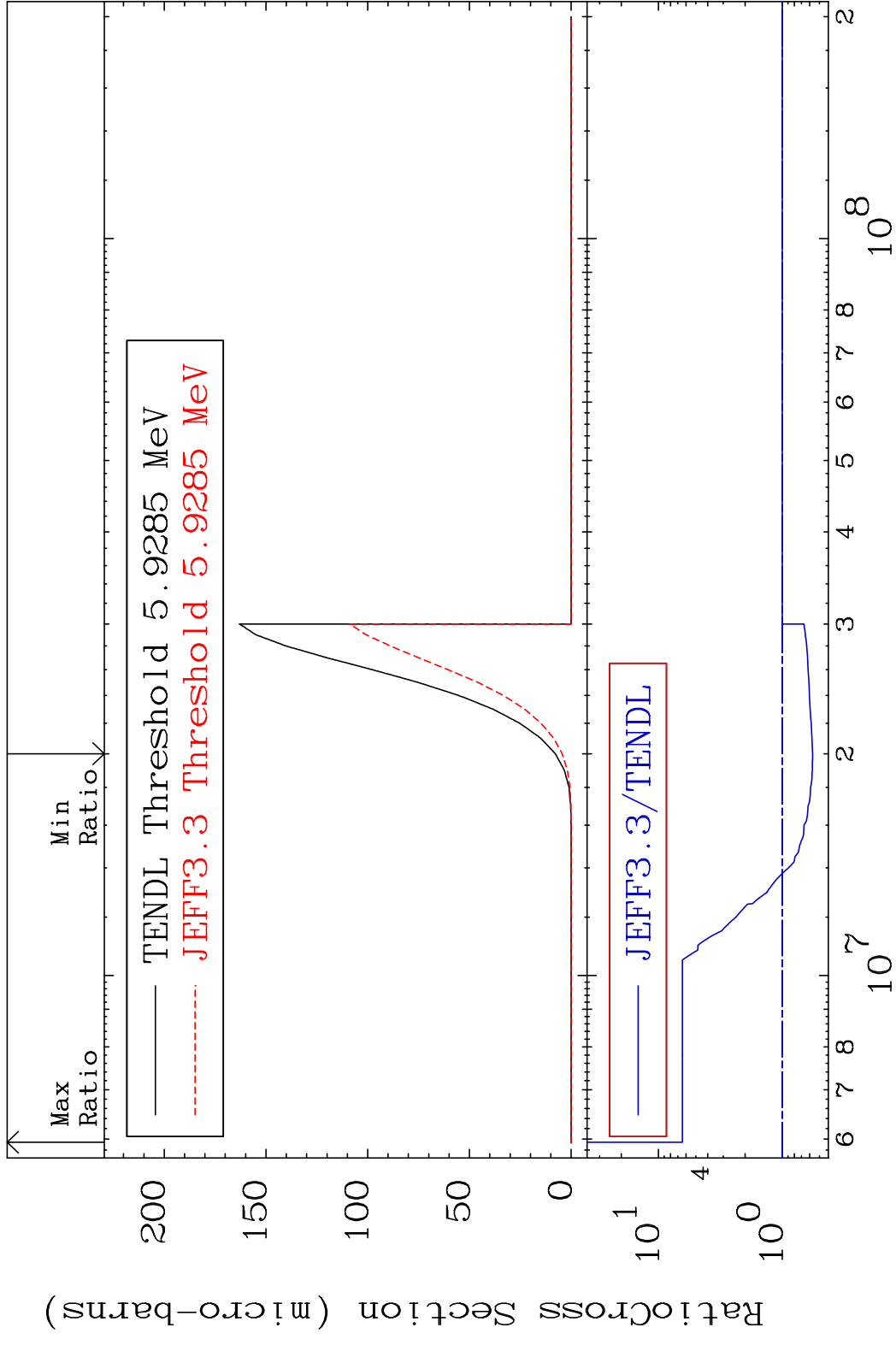
42 35-Br-79

MAT 3525

(n,p) α

35-Br-79

Cross Section -43.09 To 542.1 %

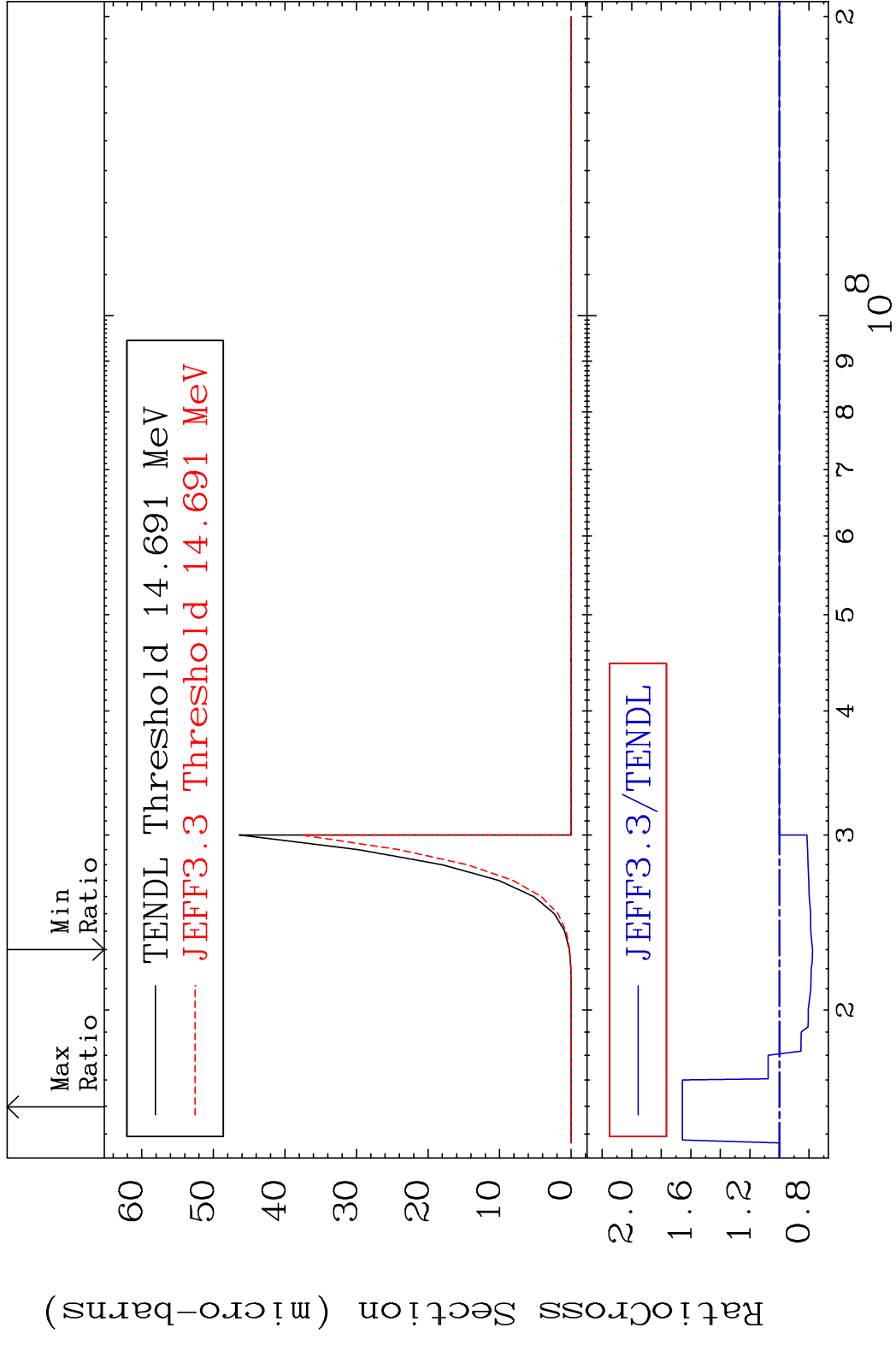


43

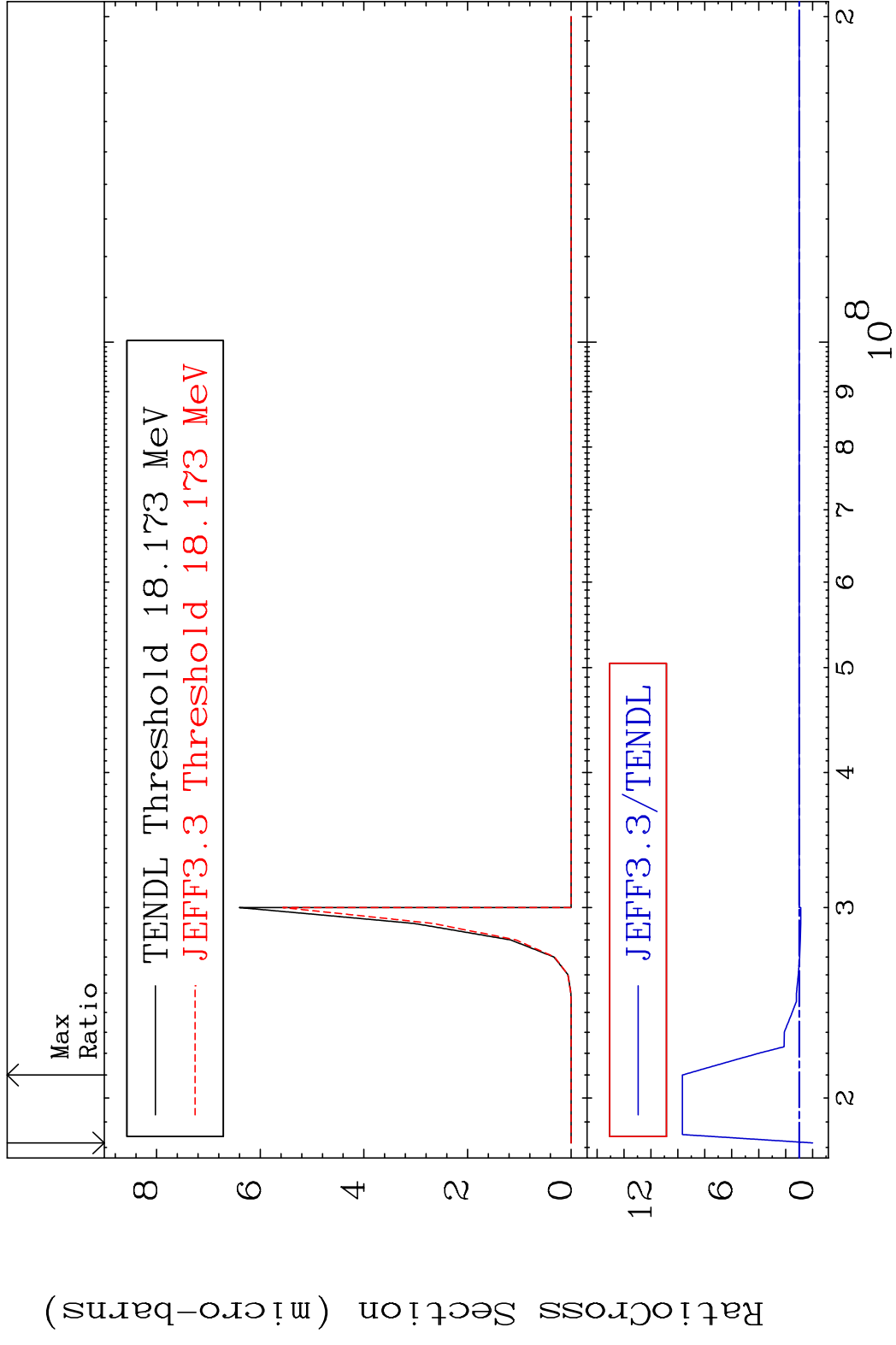
Incident Energy (eV)

35-Br-79

MAT 3525 (n,p) d 35-Br-79
 Cross Section -22.43 To 65.71 %



MAT 3525 (n,p) t 35-Br-79
 Cross Section -100.0 To 866.8 %

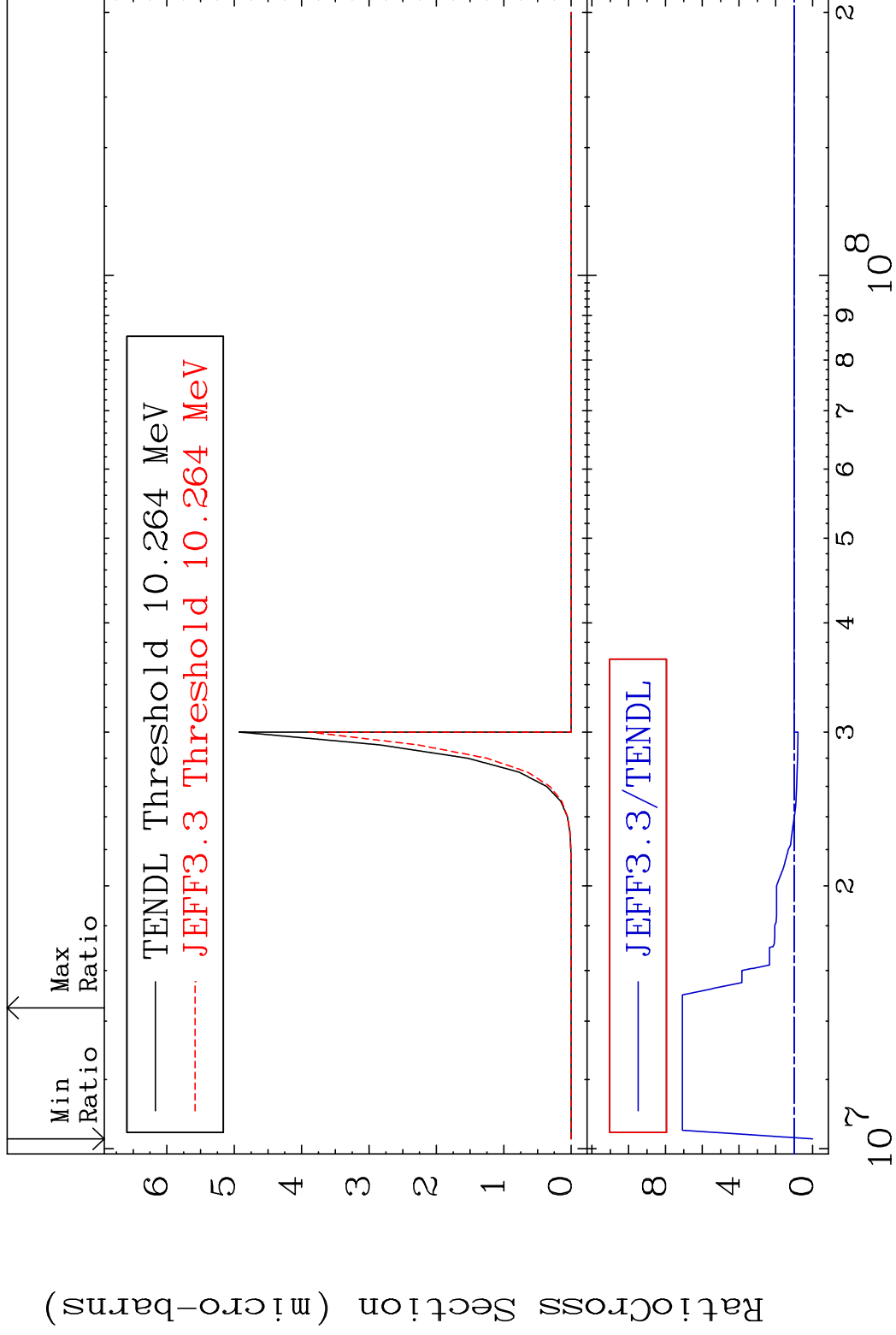


MAT 3525

(n, d) α

35-Br-79

Cross Section -100.0 To 607.9 %



46

Incident Energy (eV)

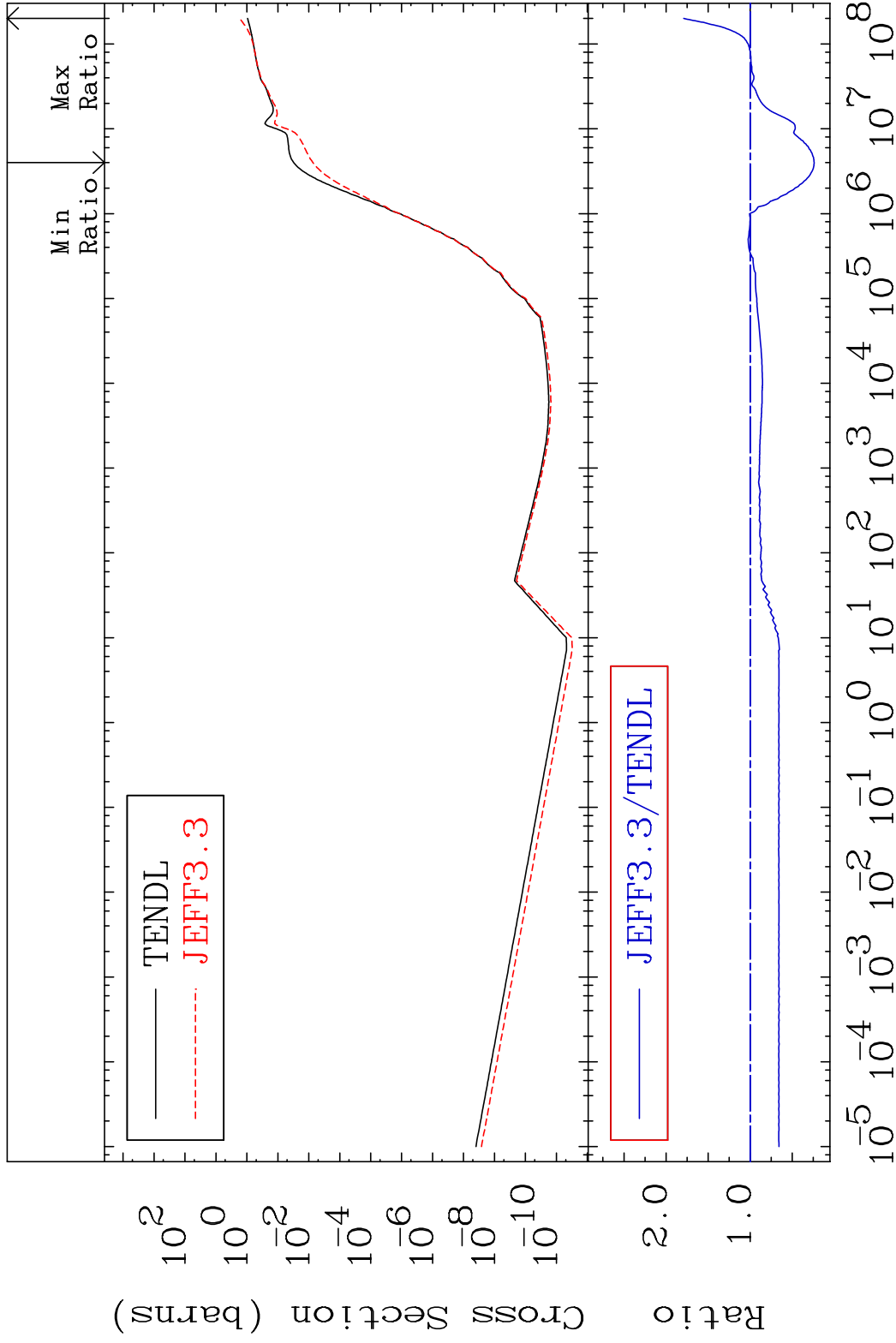
35-Br-79

MAT 3525

Hydrogen Production

35-Br-79

Cross Section -76.06 To 79.02 %



47

Incident Energy (eV)

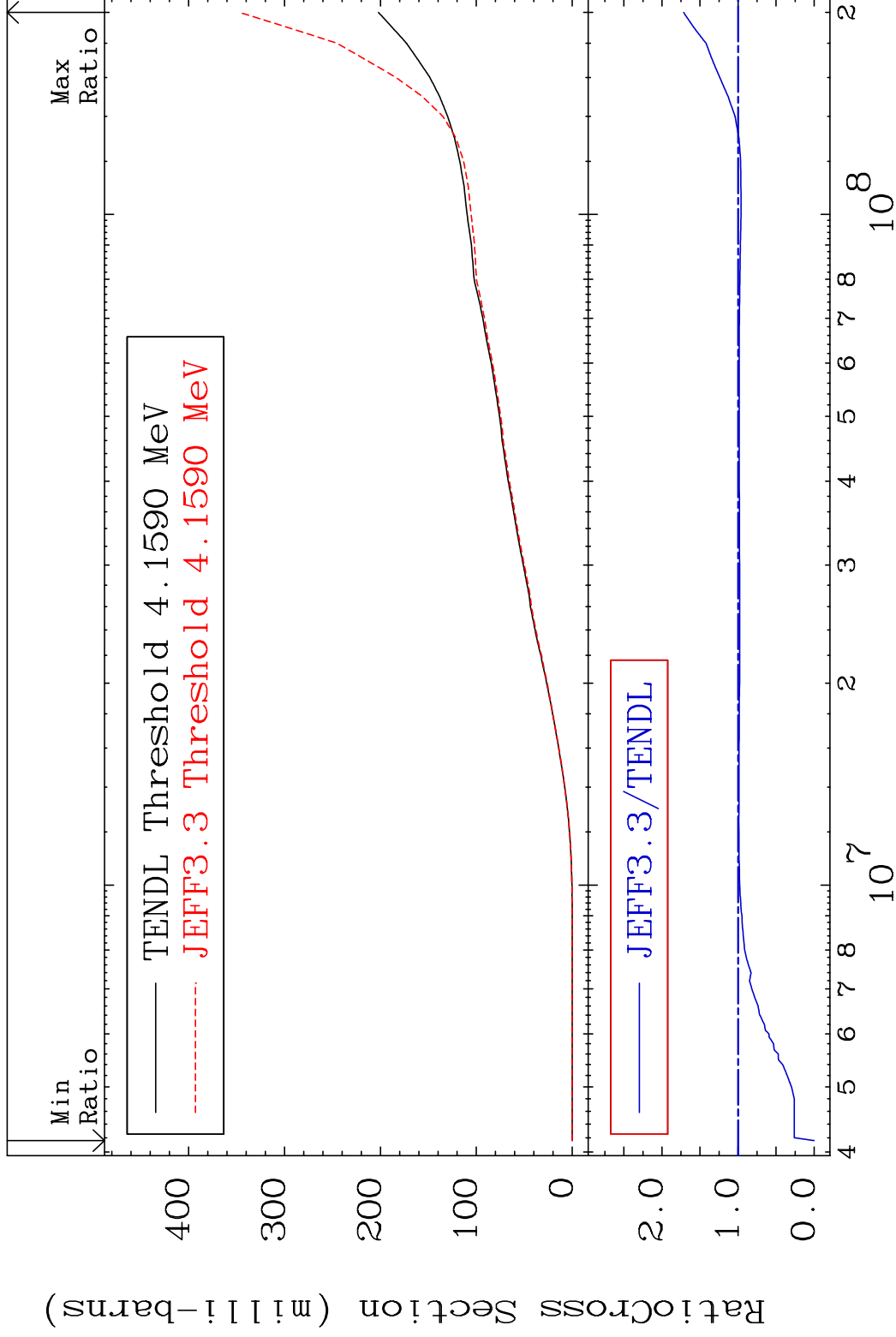
35-Br-79

MAT 3525

Deuterium Production

³⁵Br-79

Cross Section -100.0 To 71.47 %

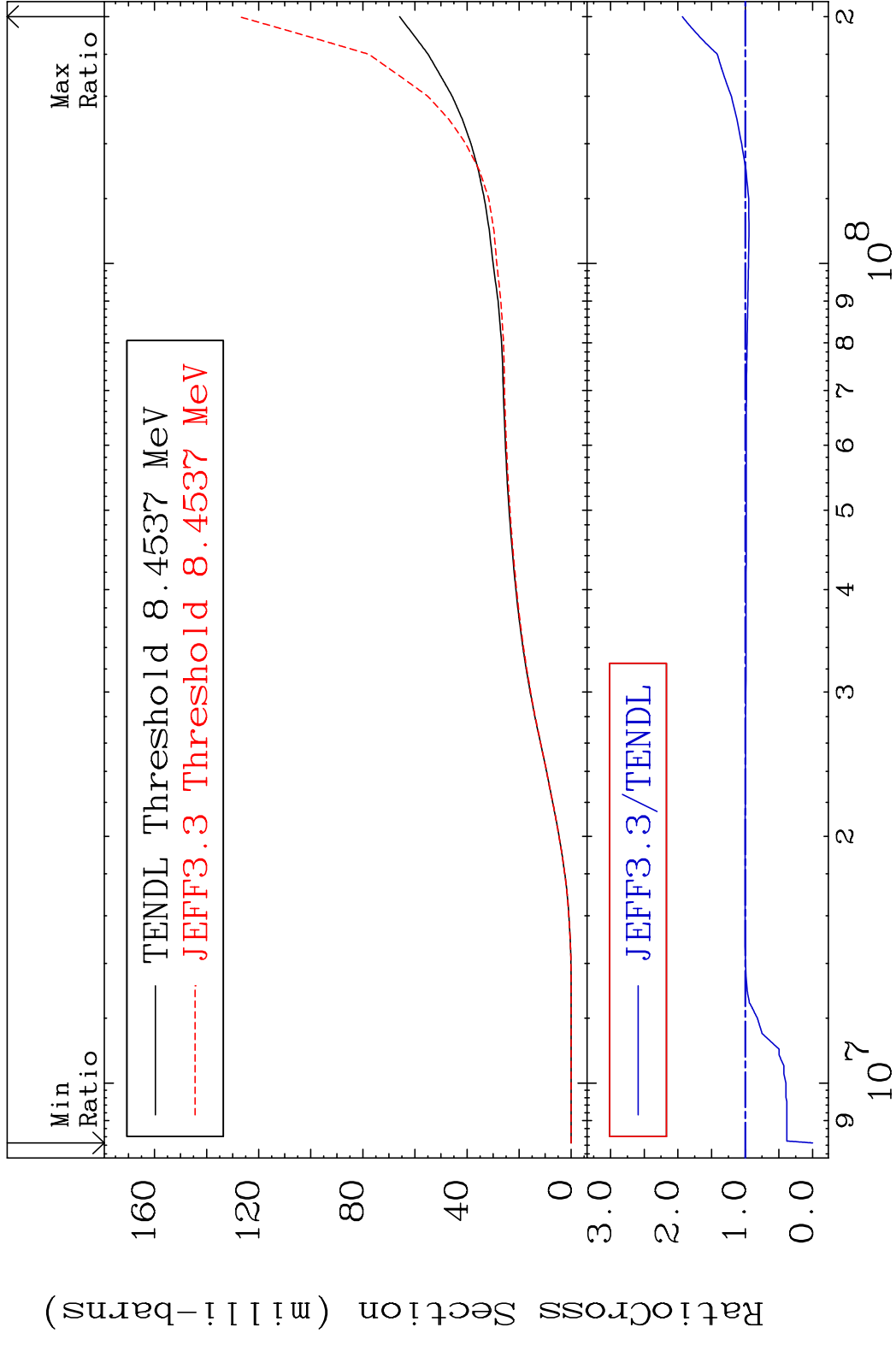


48

Incident Energy (eV)

³⁵Br-79

MAT 3525 Tritium Production 35-Br-79
 Cross Section -100.0 To 93.37 %



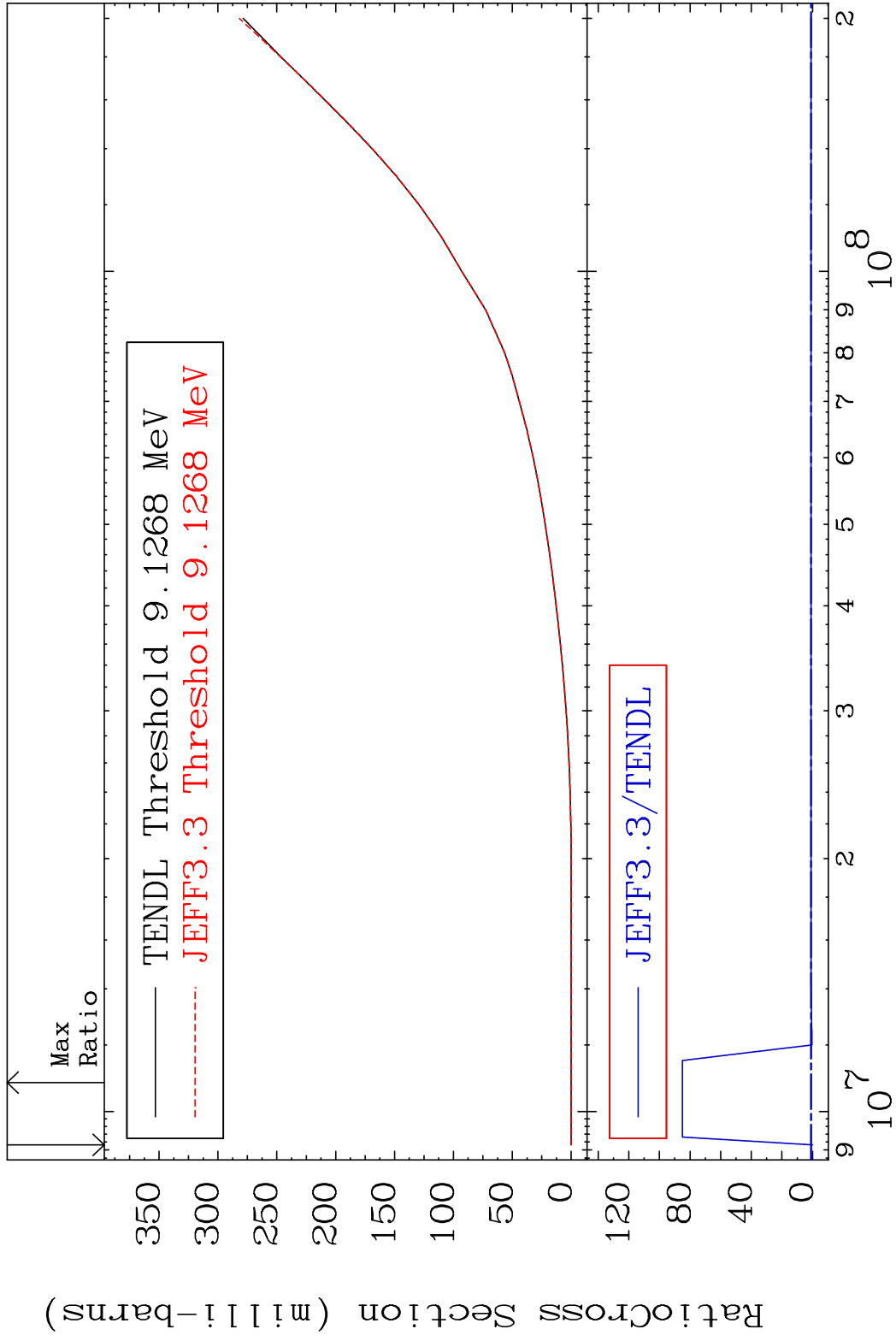
49 Incident Energy (eV) 35-Br-79

MAT 3525

He-3 Production

35-Br-79

Cross Section -100.0 To 8403. %



50

Incident Energy (eV)

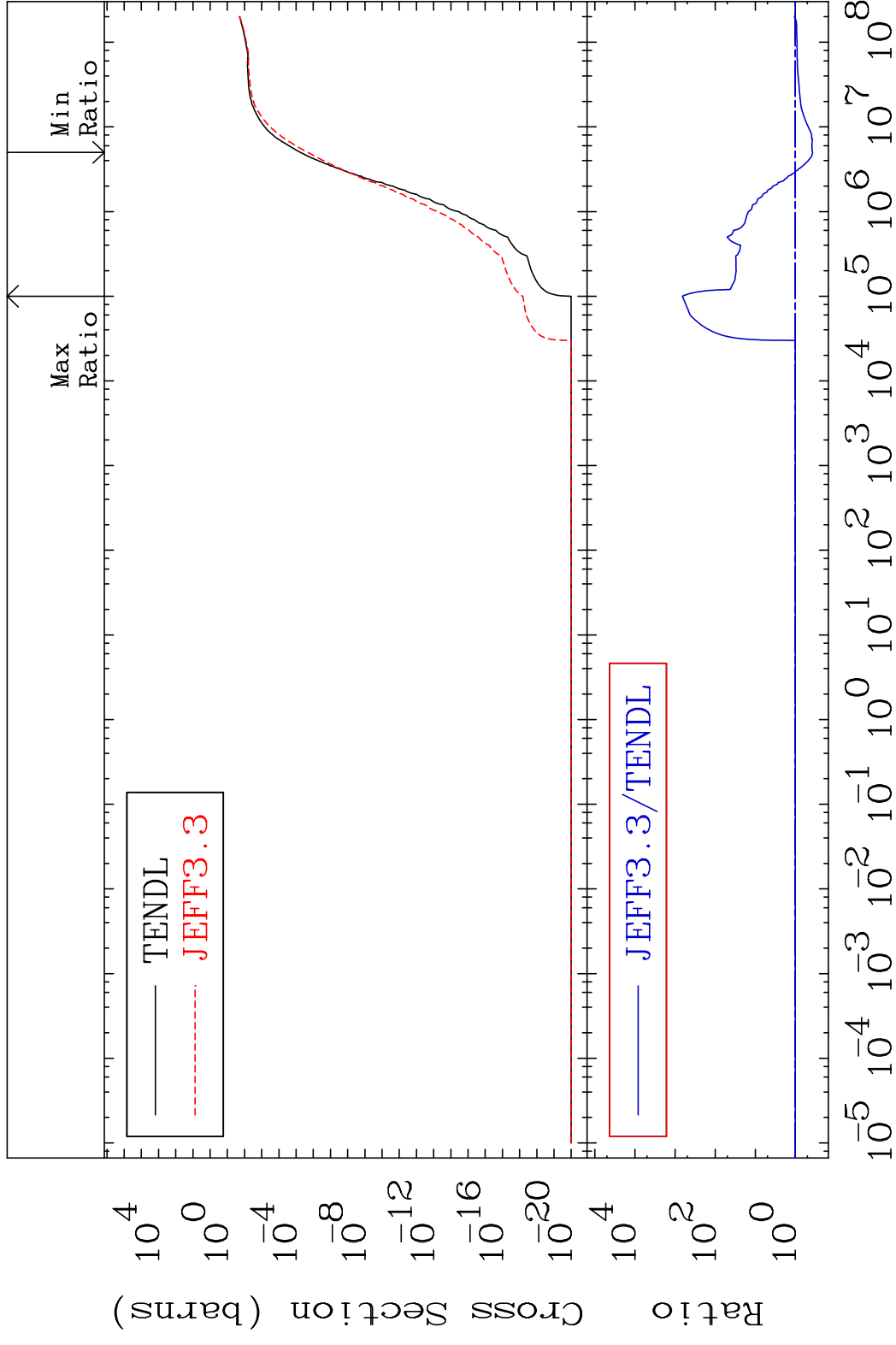
35-Br-79

MAT 3525

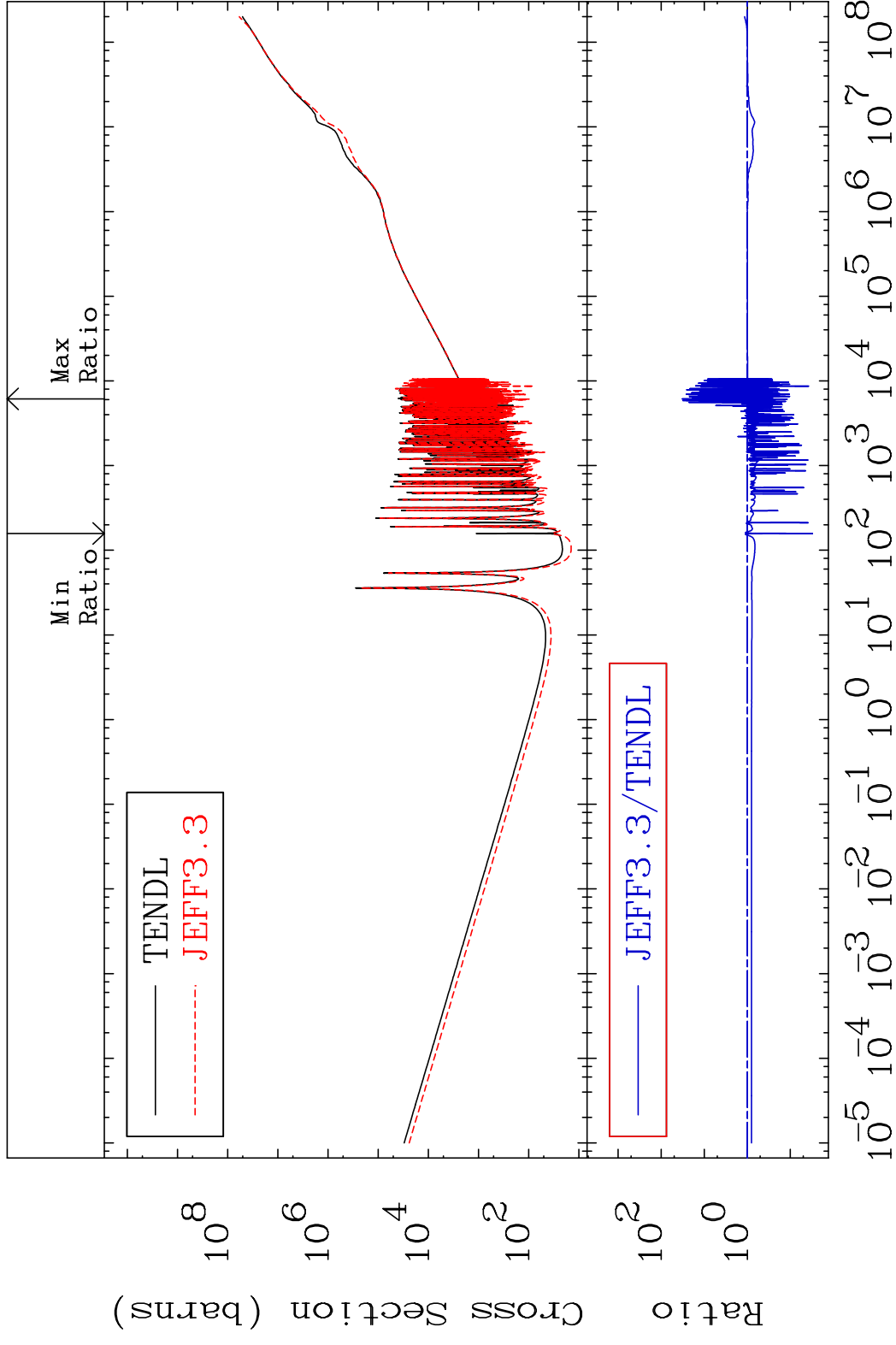
He-4 Production

35-Br-79

Cross Section -62.67 To 9999. %



MAT 3525 Kerma total (eV-barns) 35-Br-79
 Cross Section -96.96 To 3127. %

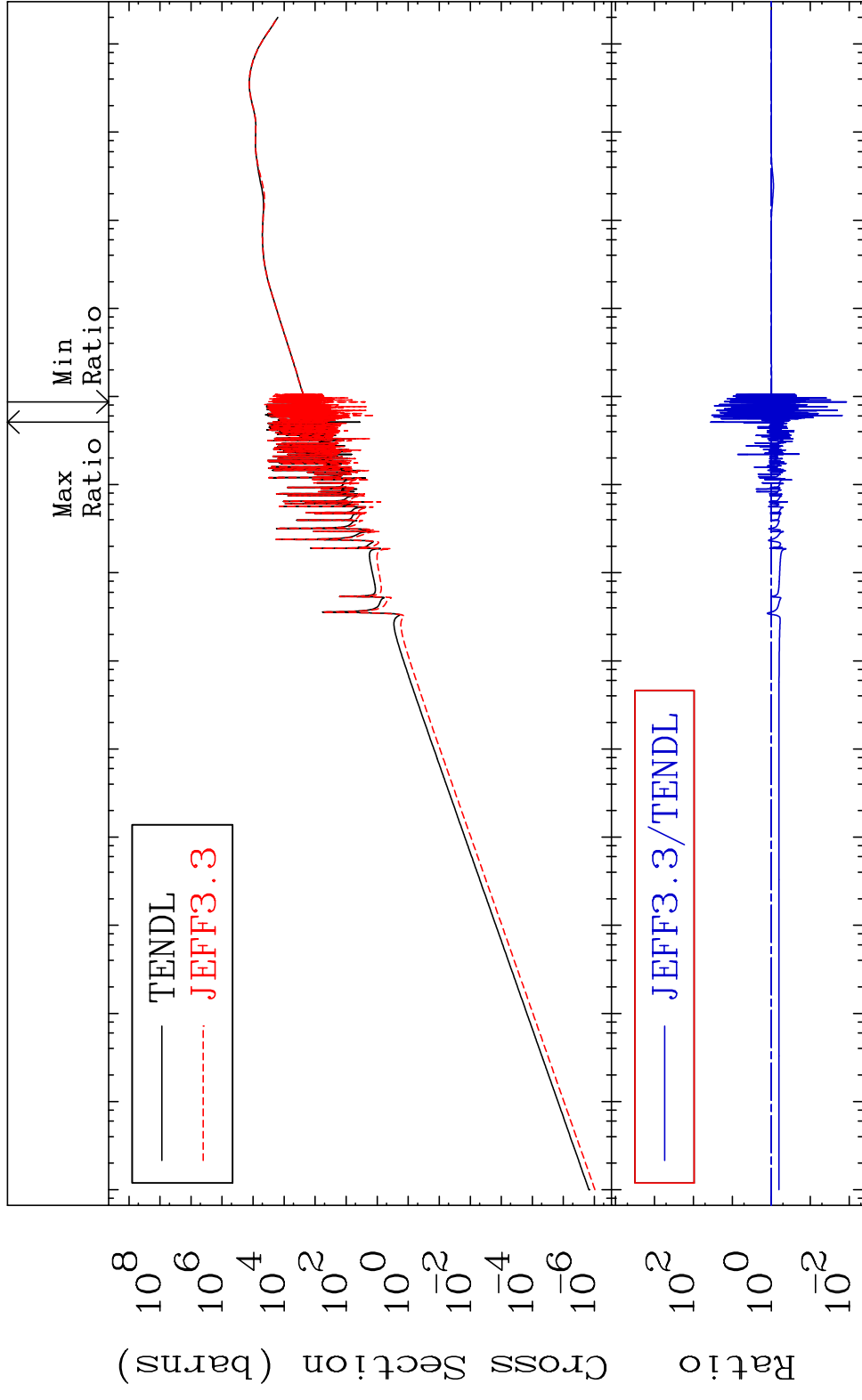


52 Incident Energy (eV) 35-Br-79

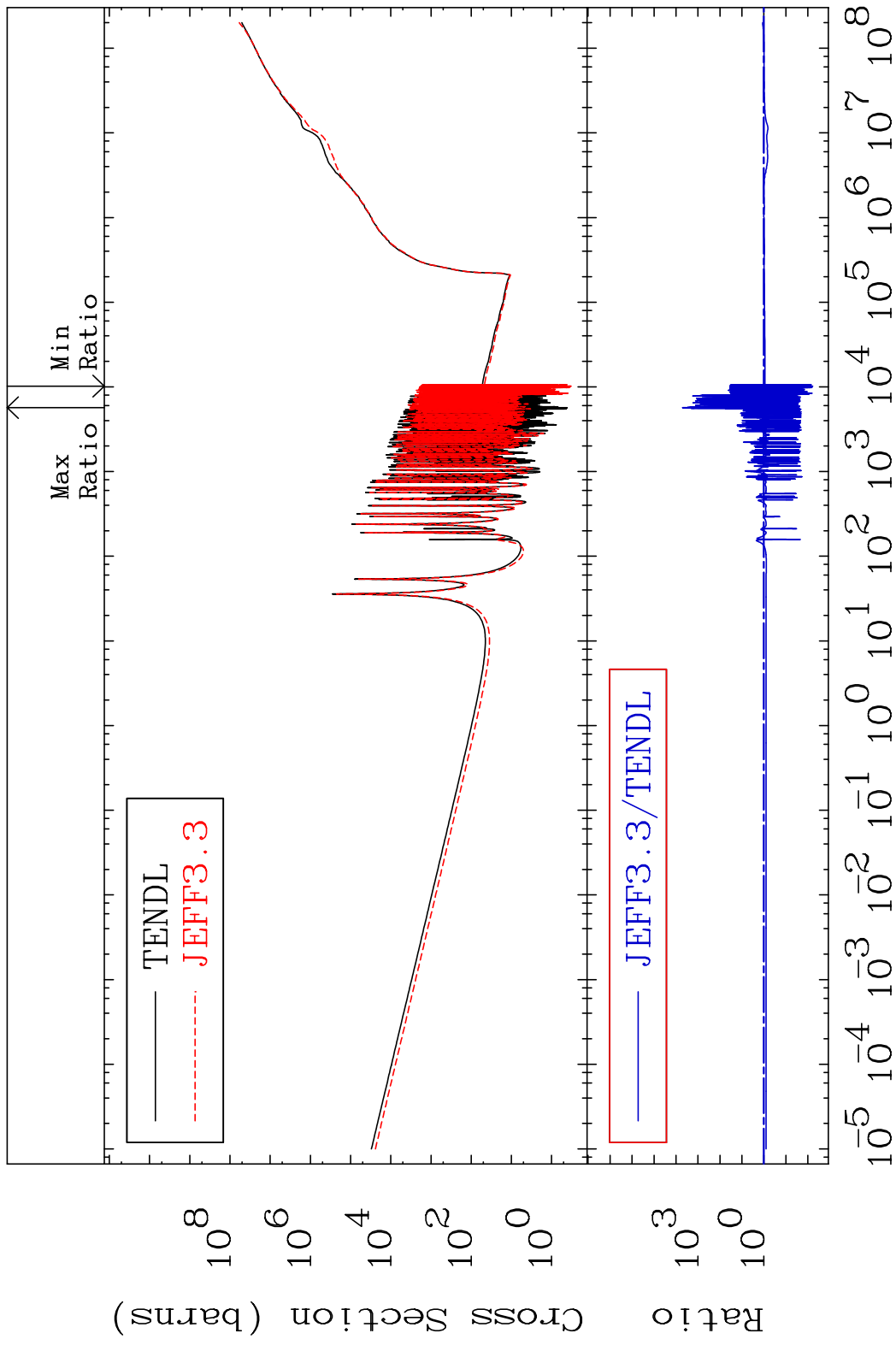
MAT 3525

Kerma elastic
Cross Section -98.82 To 3494. %

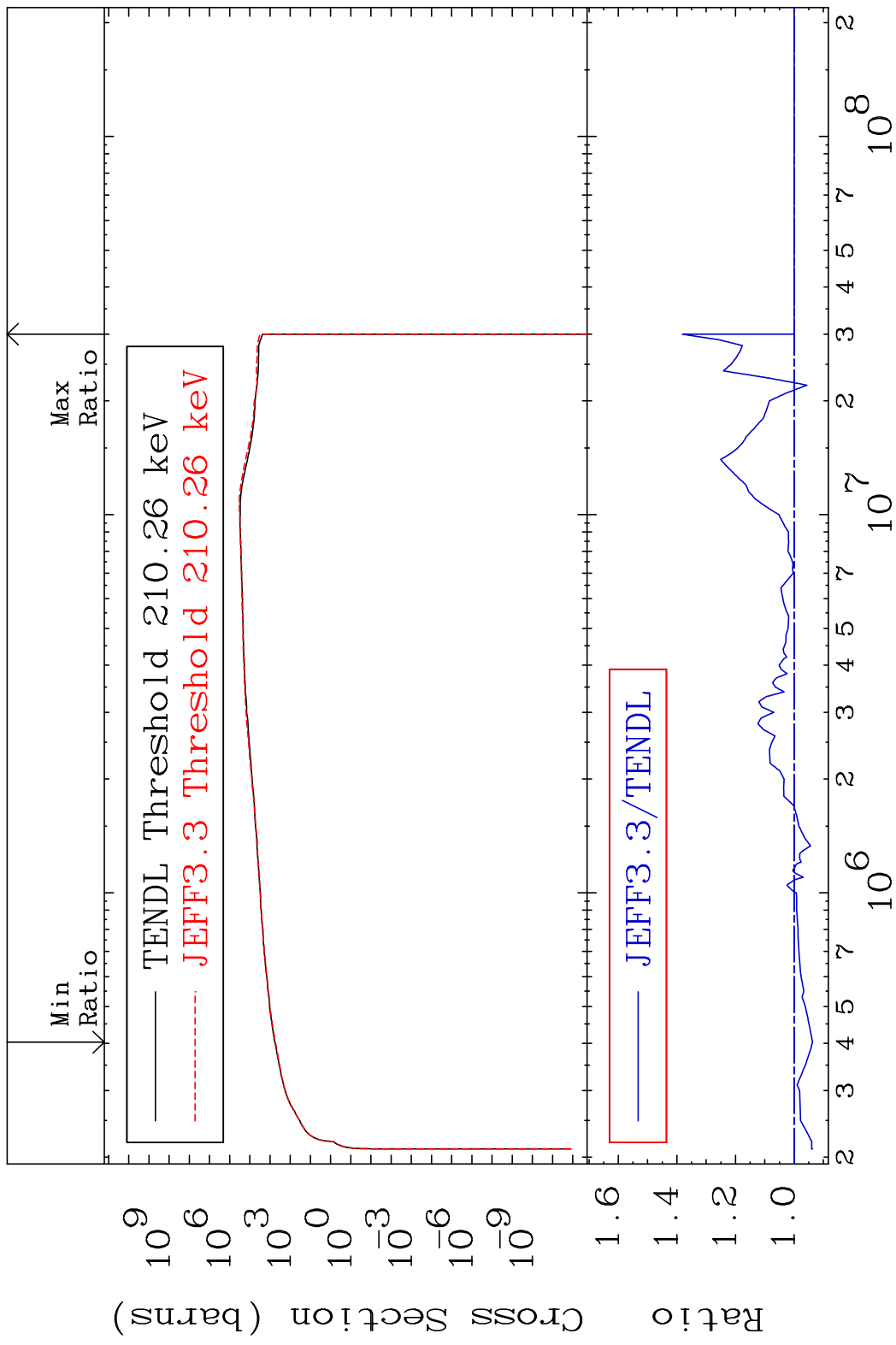
35-Br-79



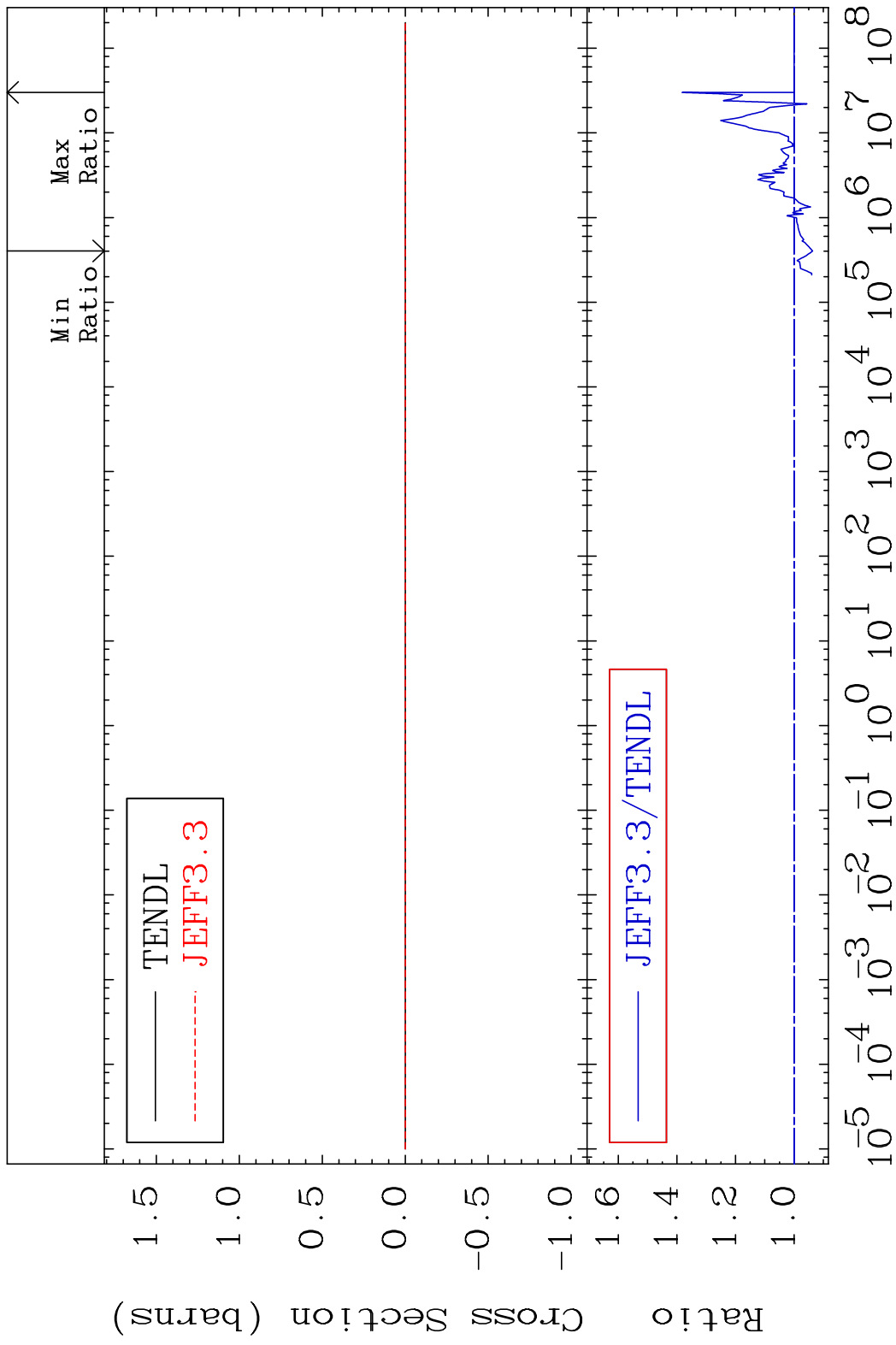
MAT 3525 Kerma non-elastic (all but mt2) 35-Br-79
 Cross Section -99.39 To 9999. %



MAT 3525 Kerma inelastic (mt51-91) 35-Br-79
 Cross Section -6.296 To 38.14 %



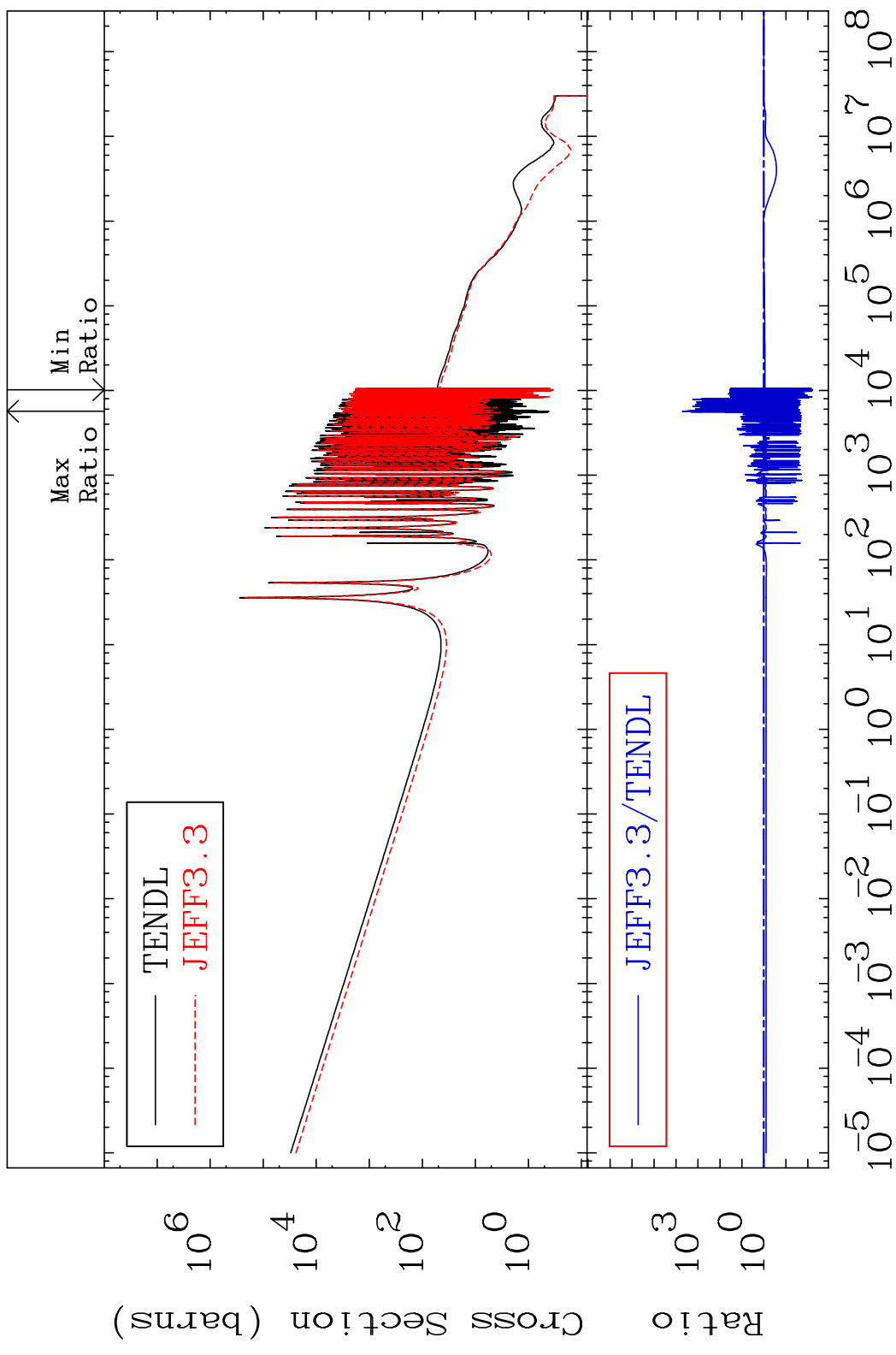
MAT 3525 Kerma fission (mt18 or mt19-20-21-38) 35-Br-79
 Cross Section -6.296 To 38.14 %



MAT 3525

Kerma capture (mt102) 35-Br-79

Cross Section -99.39 To 9999. %



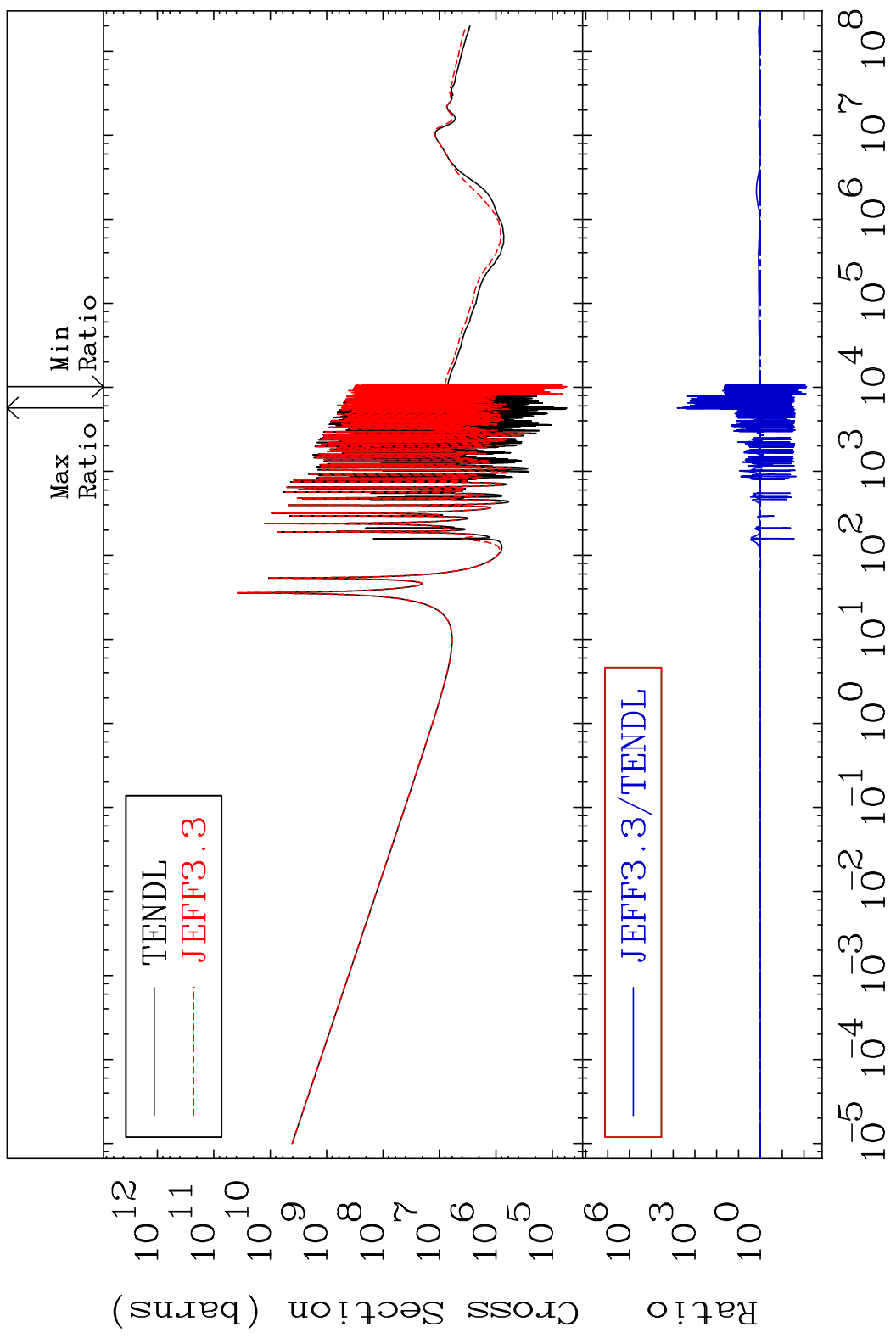
57

Incident Energy (eV)

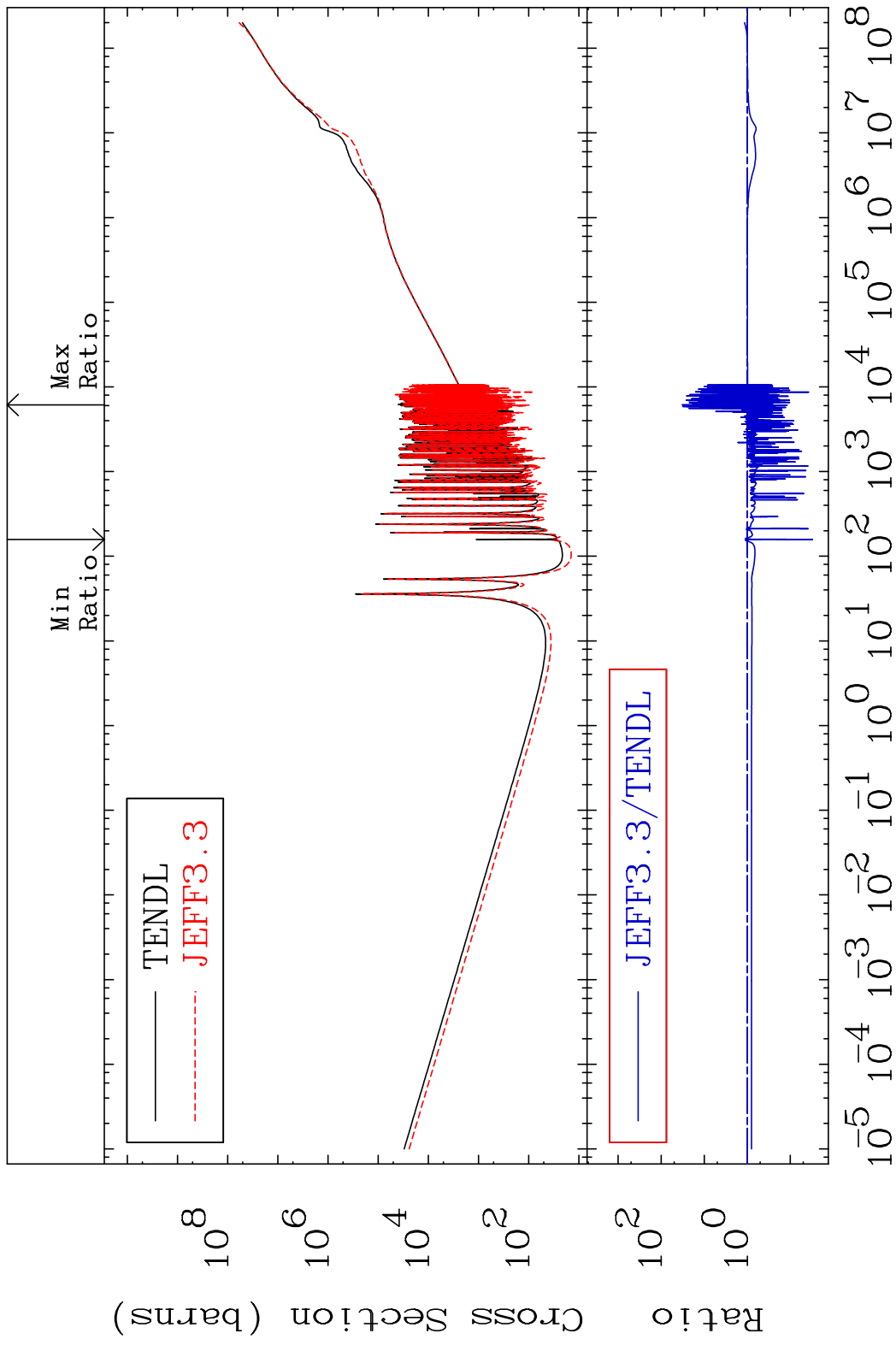
35-Br-79

MAT 3525

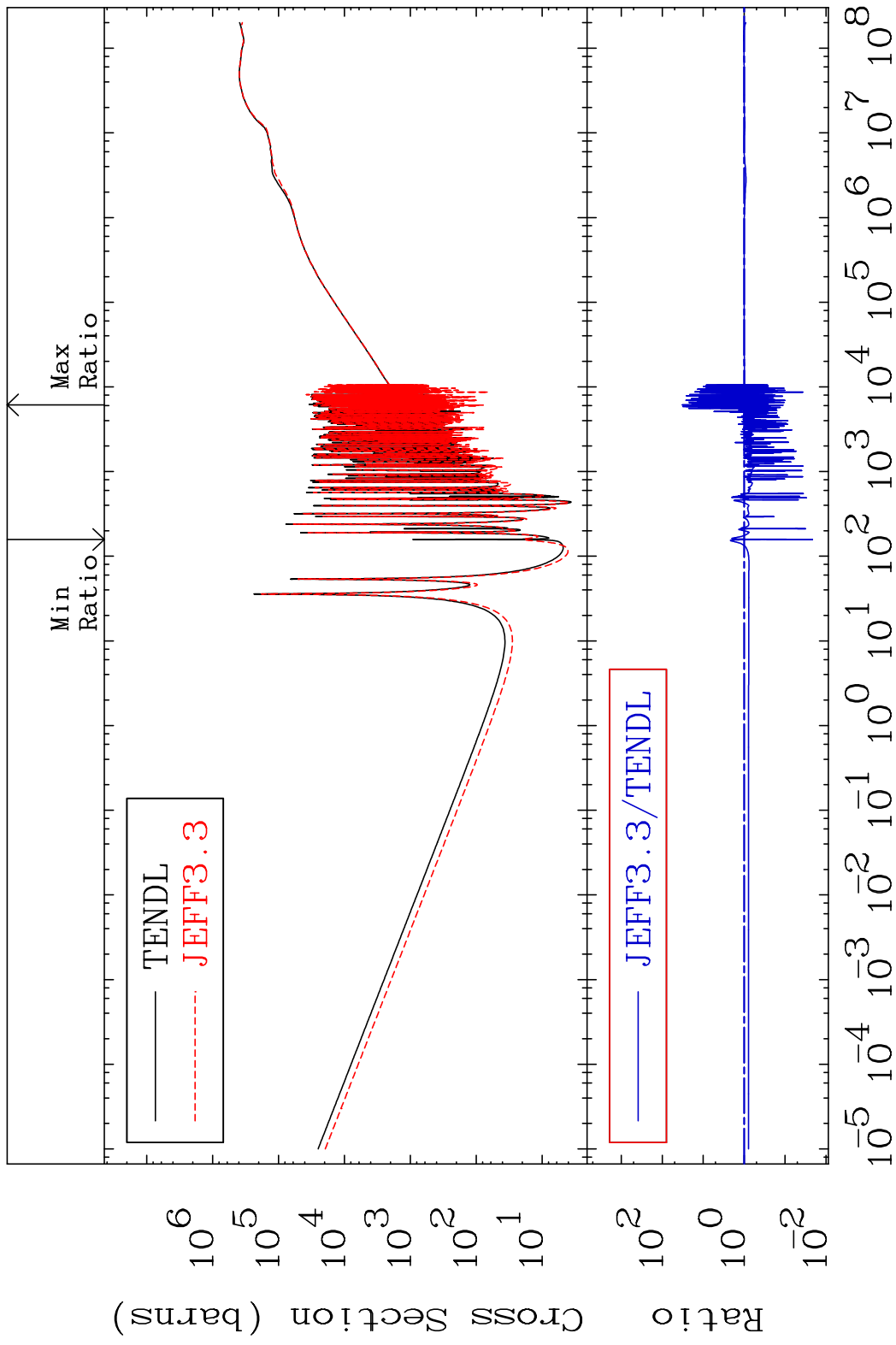
Total photon (eV-barns) 35-Br-79
Cross Section -99.23 To 9999. %



MAT 3525 Total kinematic kerma (high limit) 35-Br-79
 Cross Section -96.96 To 3127. %



MAT 3525 Dpa total (eV-barns) 35-Br-79
Cross Section -97.87 To 3128. %

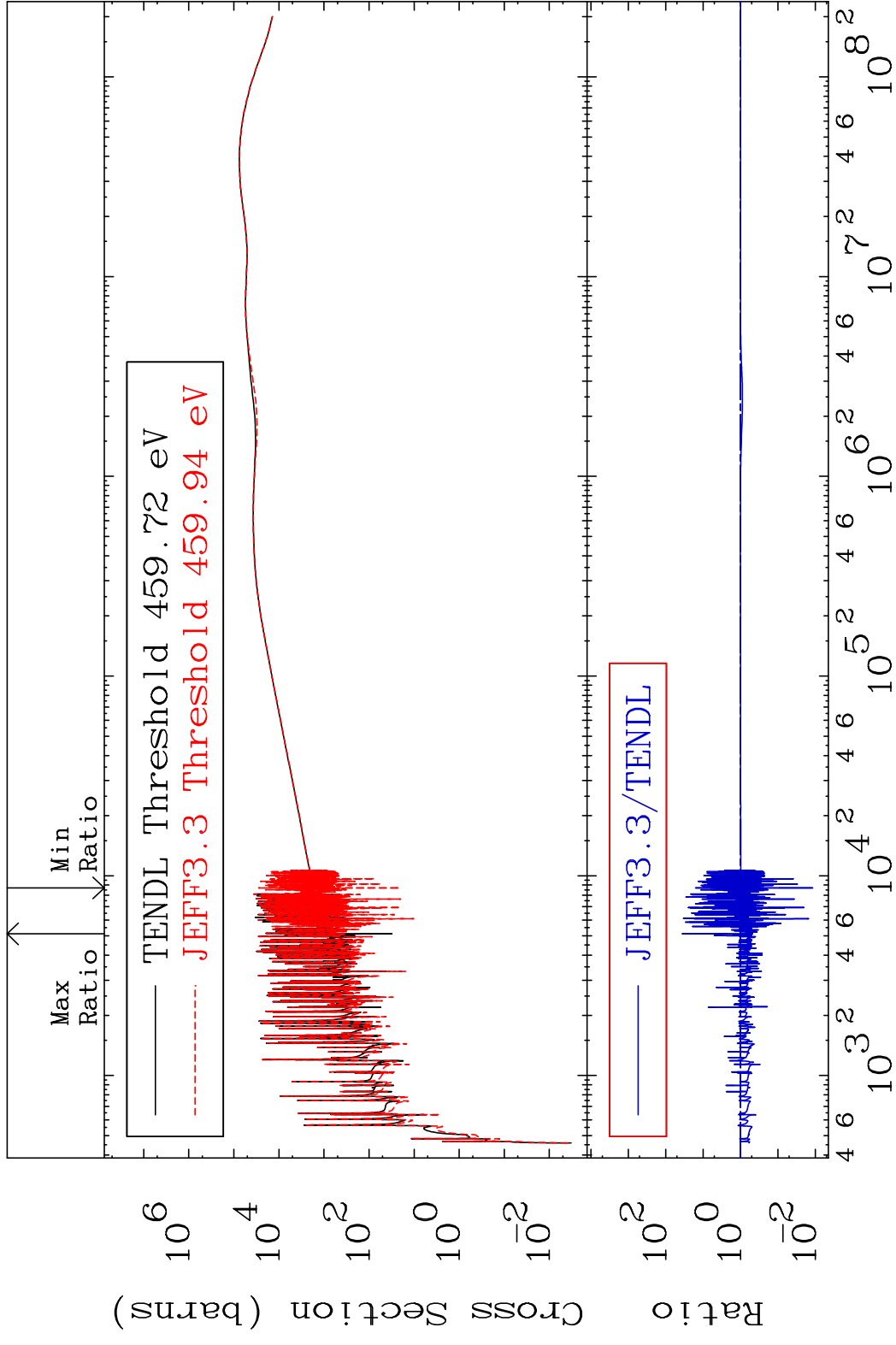


MAT 3525

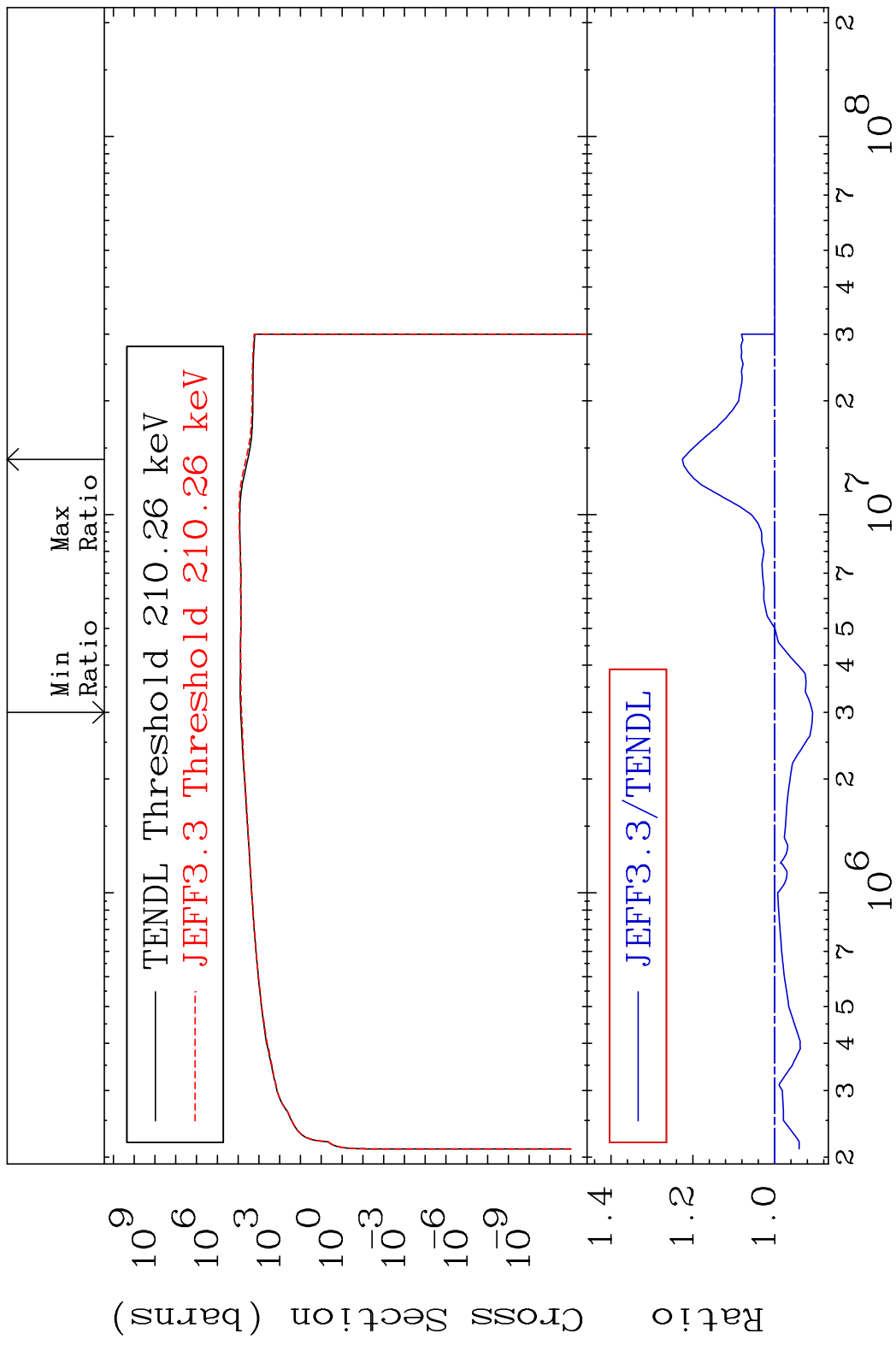
Dpa elastic (mt2)

35-Br-79

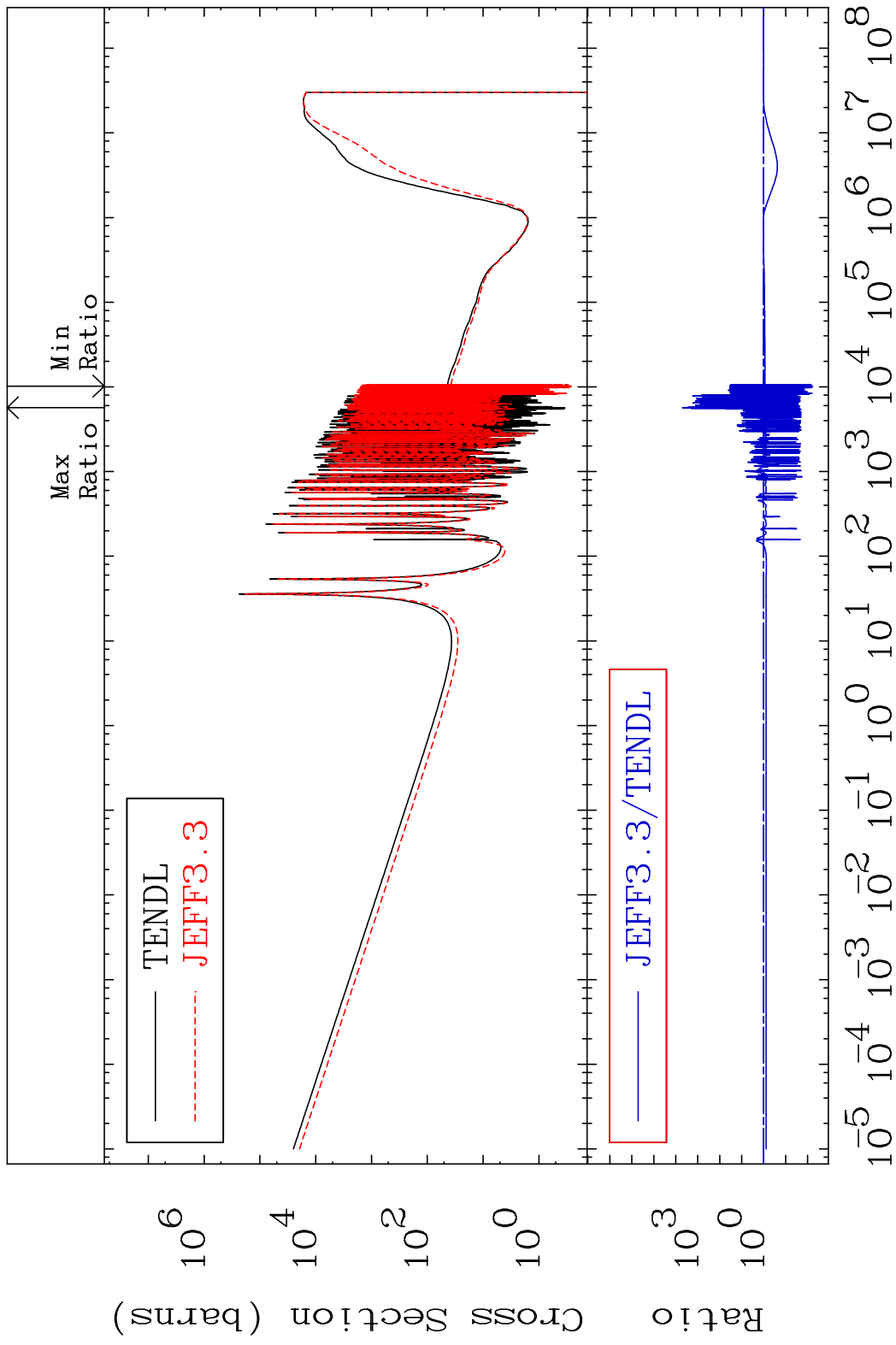
Cross Section -98.82 To 3494. %



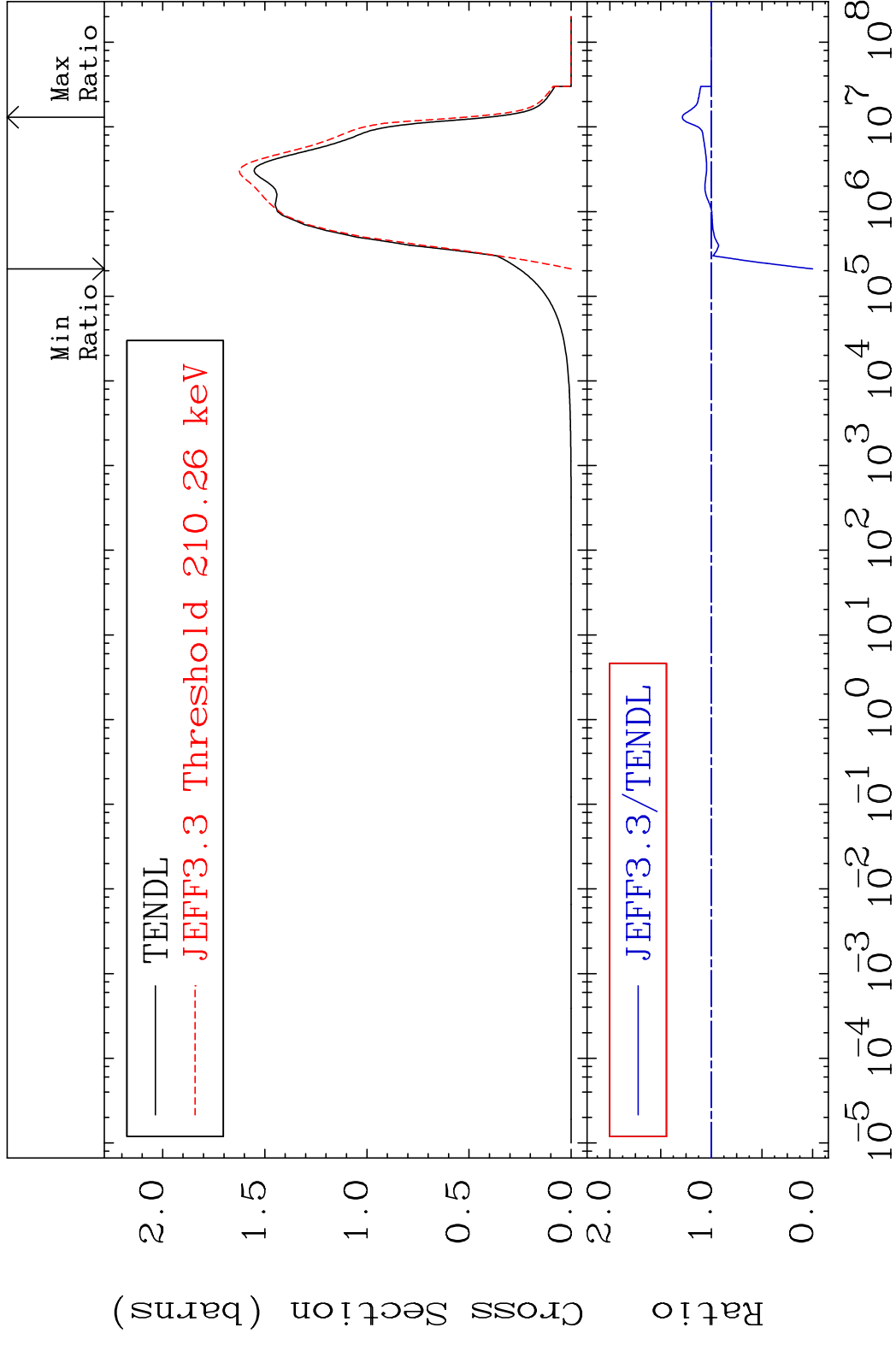
MAT 3525 Dpa inelastic (mt51-91) 35-Br-79
 Cross Section -9.258 To 22.56 %

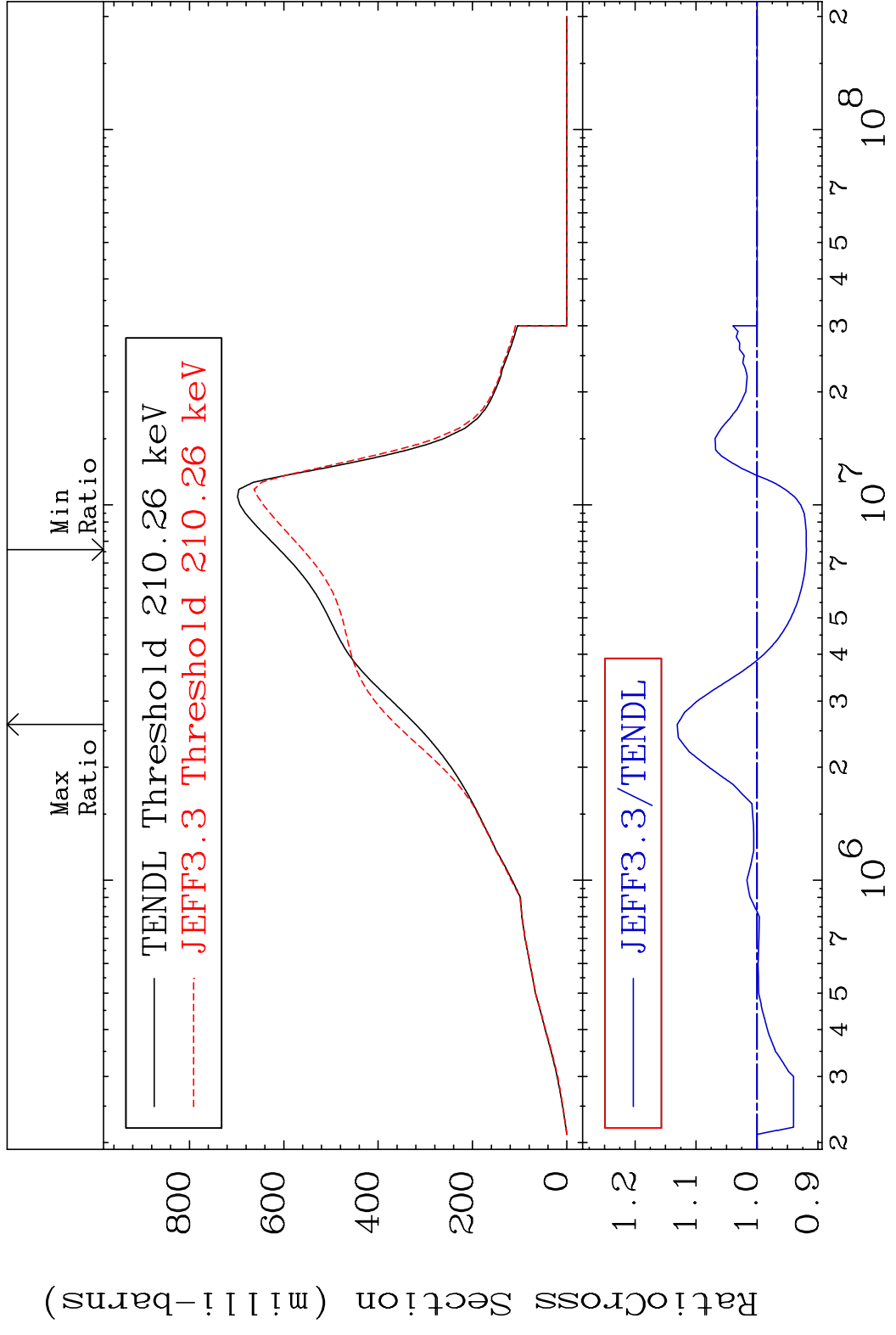


MAT 3525 Dpa disappearance (mt102 -120) 35-Br-79
 Cross Section -99.40 To 9999. %

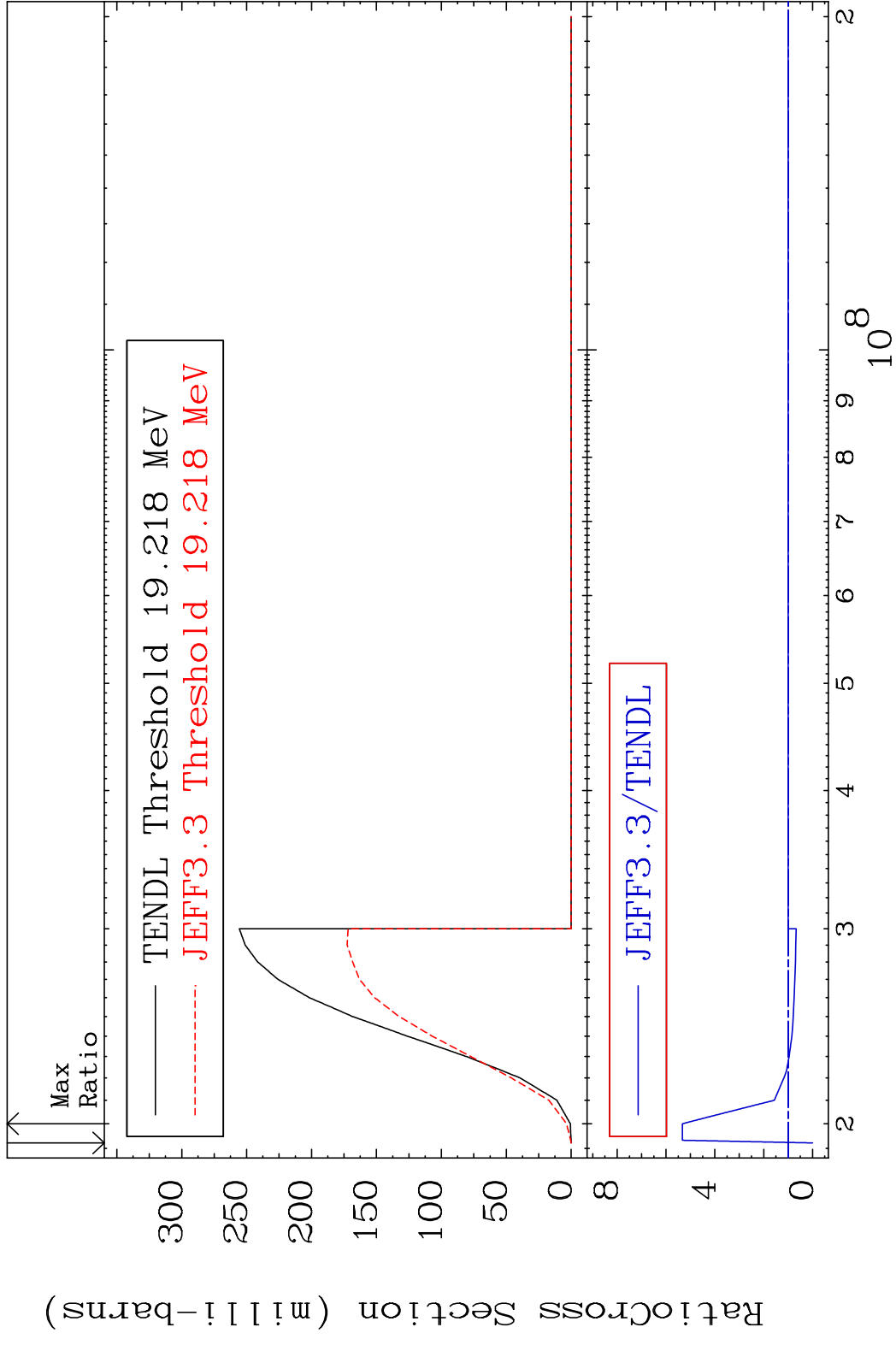


MAT 3525 Inelastic:35-Br-79g 35-Br-79
 Radionuclide Production Cross Section 180.01 dth 28.54 %

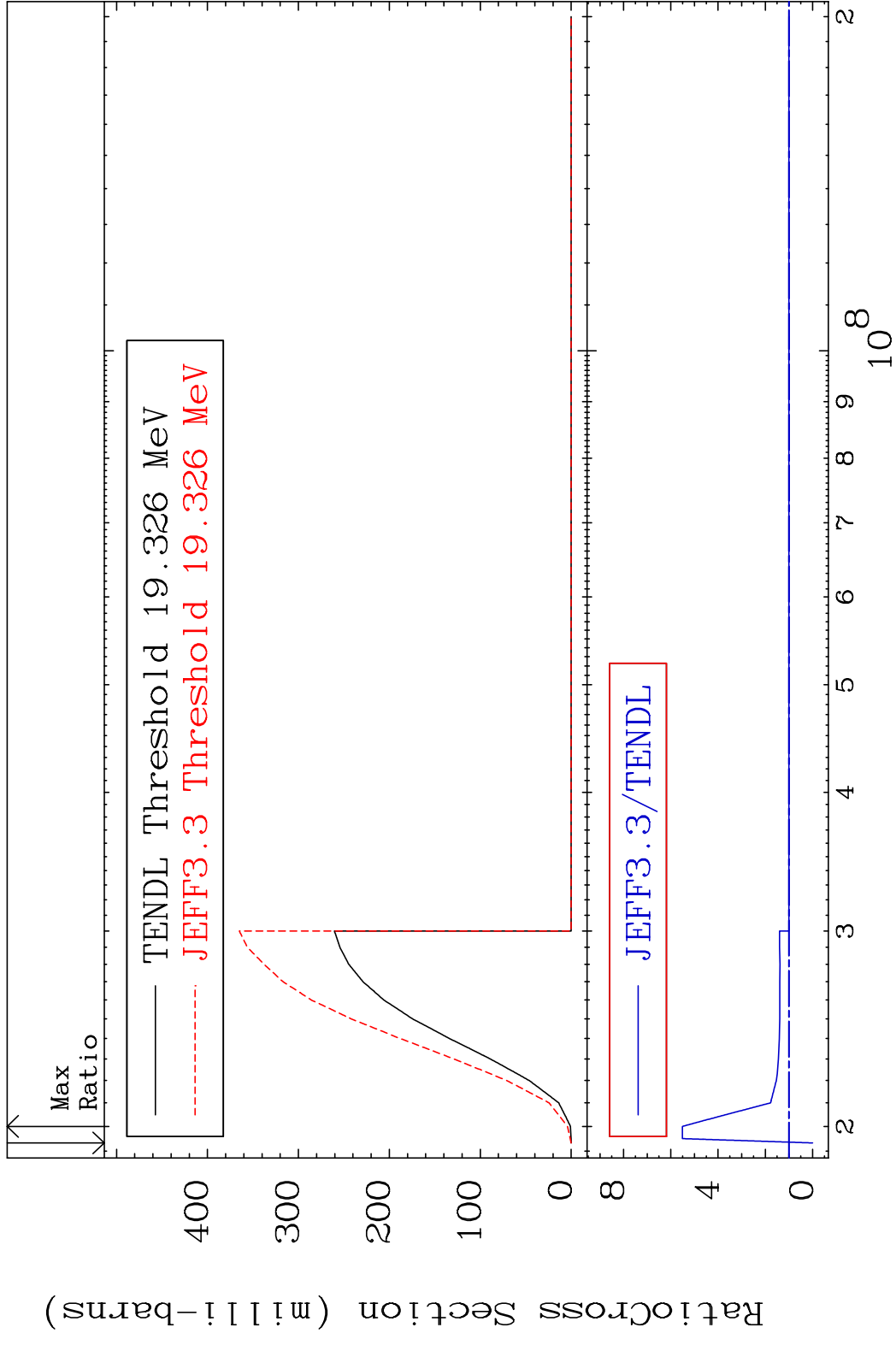




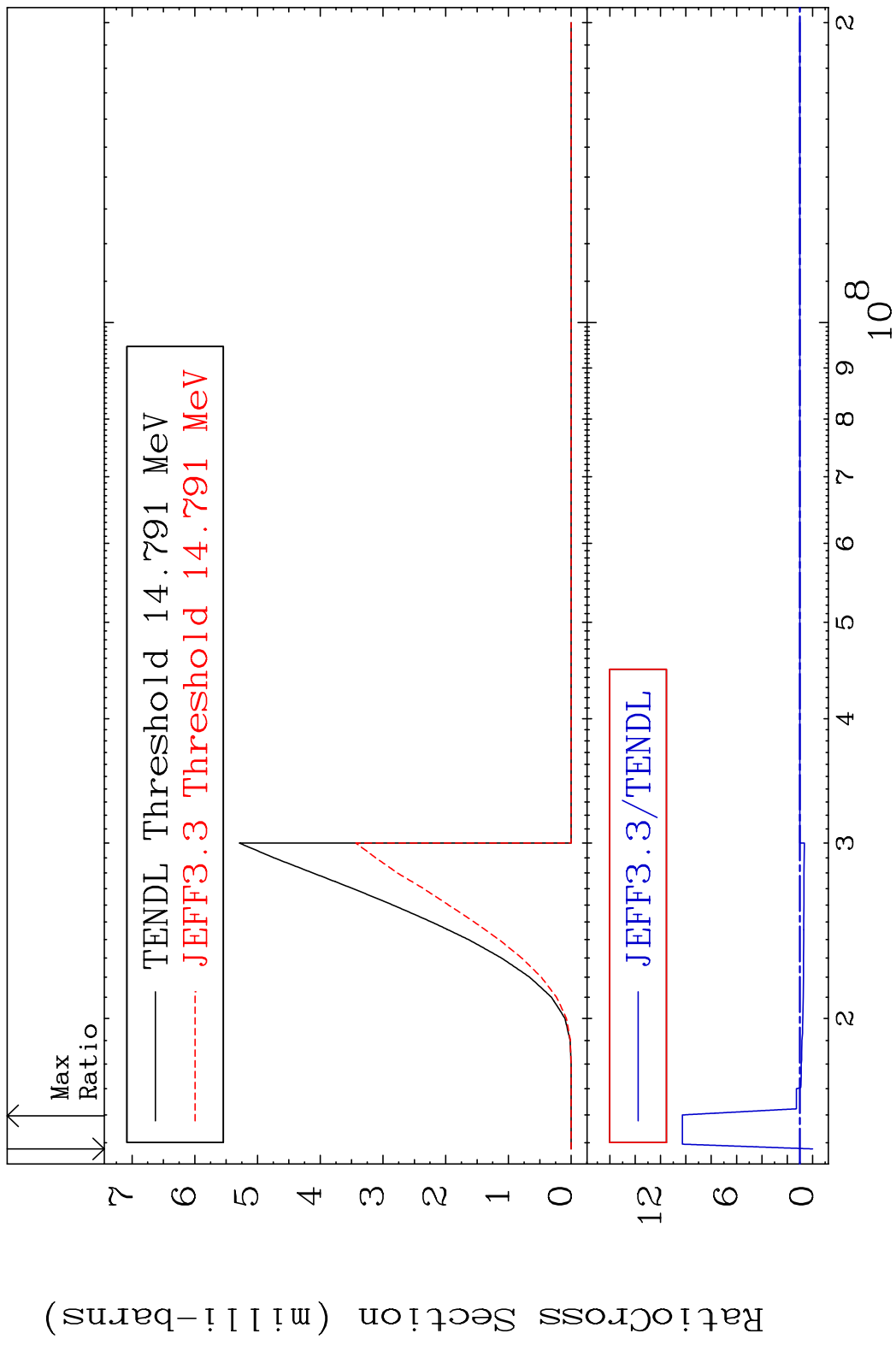
MAT 3525 (n,3n):35-Br-77g 35-Br-79
 Radionuclide Production Cross Section 180.01 dth 433.1 %

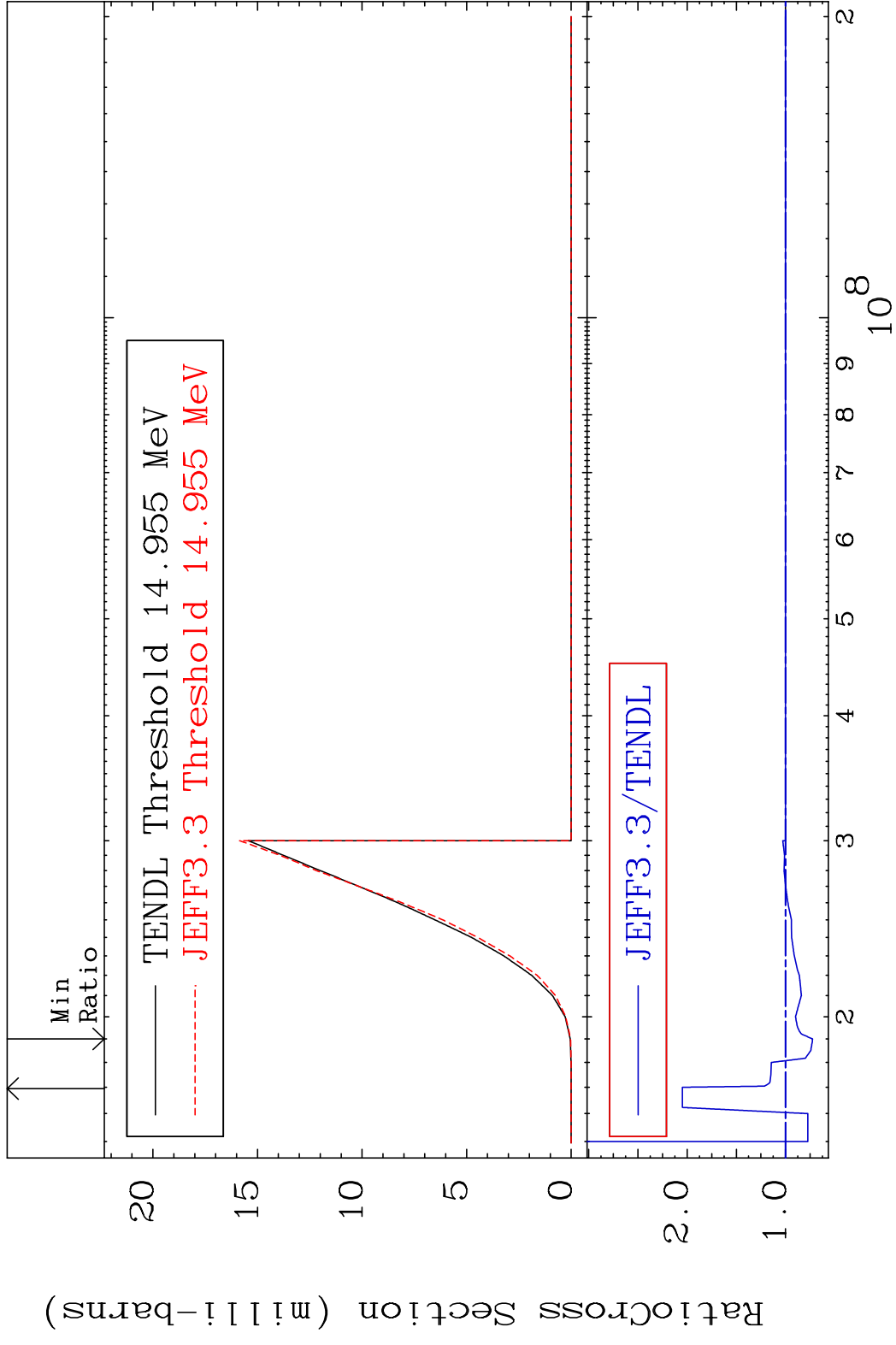


MAT 3525 (n, 3n) : 35-Br-77m1 35-Br-79
 Radionuclide Production Cross Section 180.0 dth 451.2 %

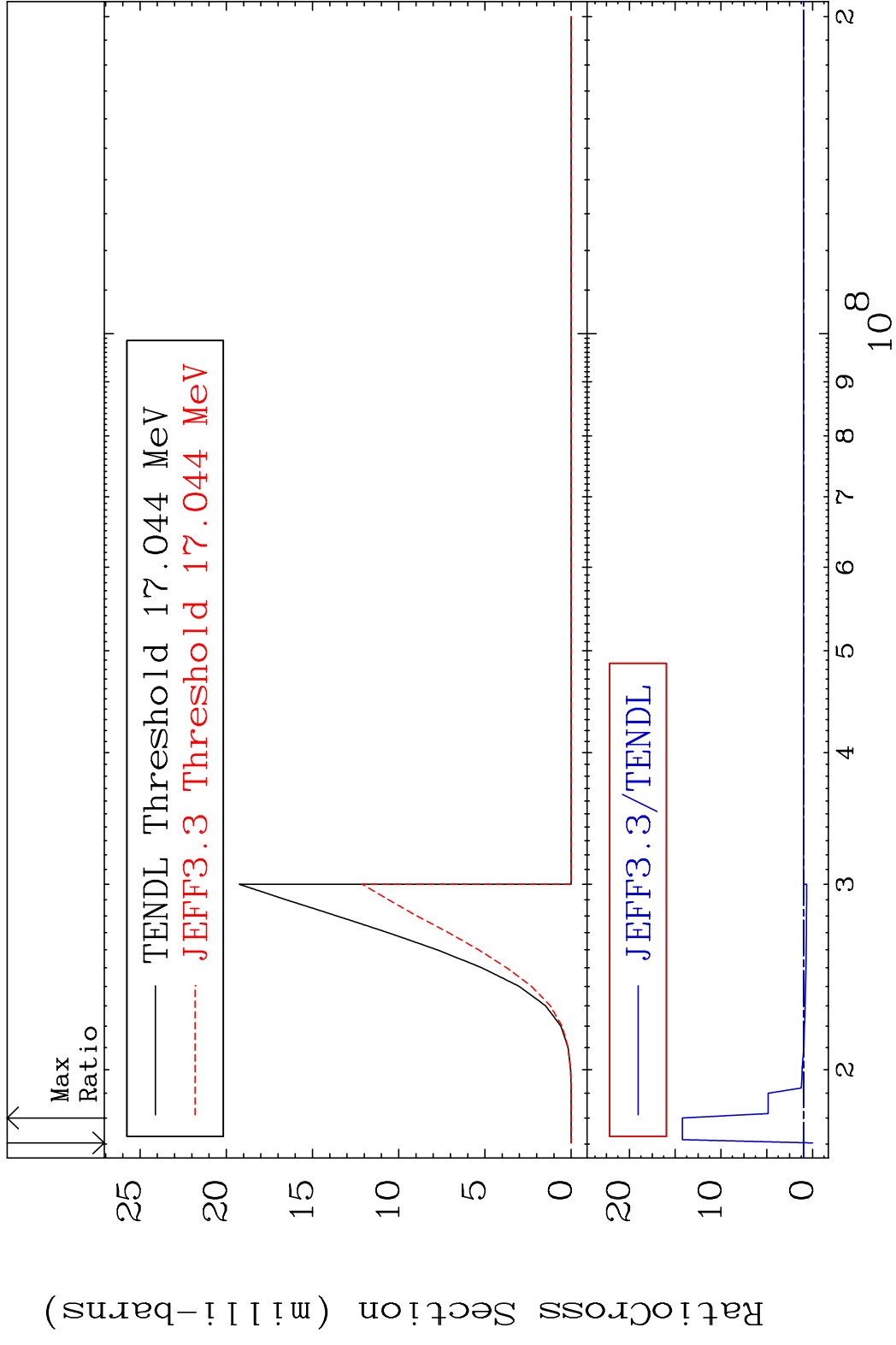


MAT 3525 (n, n') d:34-Se-77g 35-Br-79
 Radionuclide Production Cross Section Ratio 927.9 %

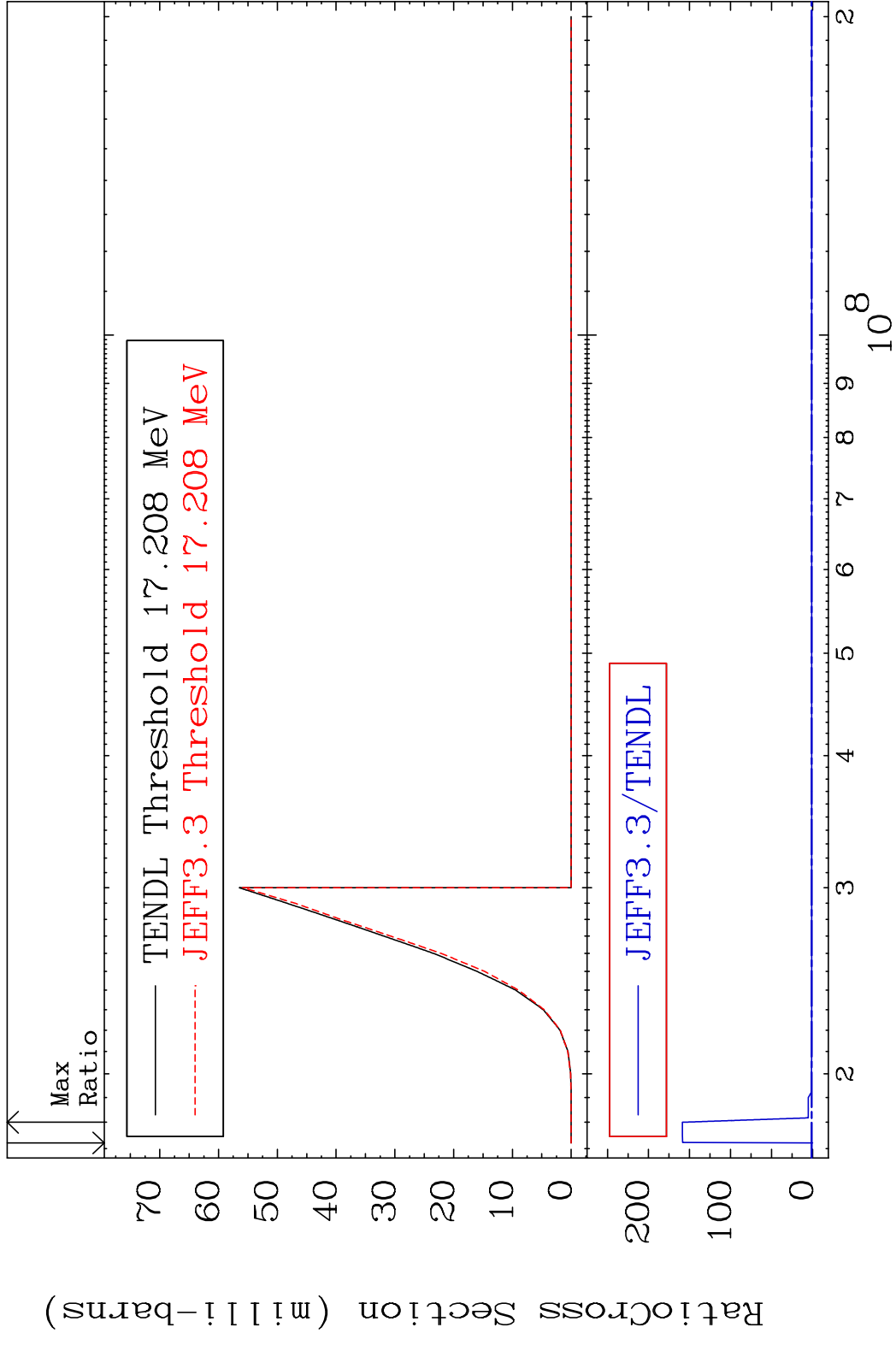




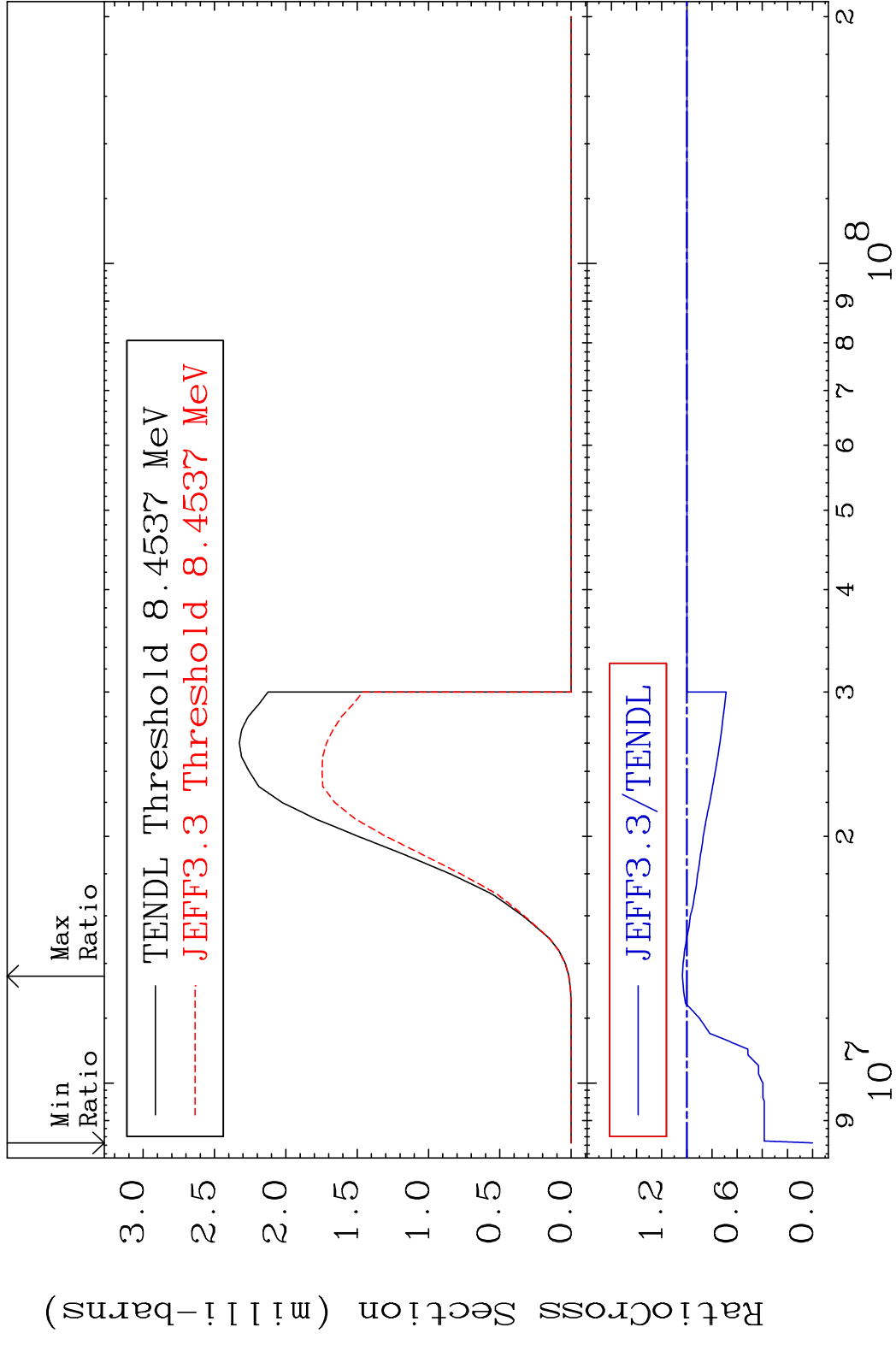
MAT 3525 (n,2n) p:34-Se-77g 35-Br-79
 Radionuclide Production Cross Section 1322. %



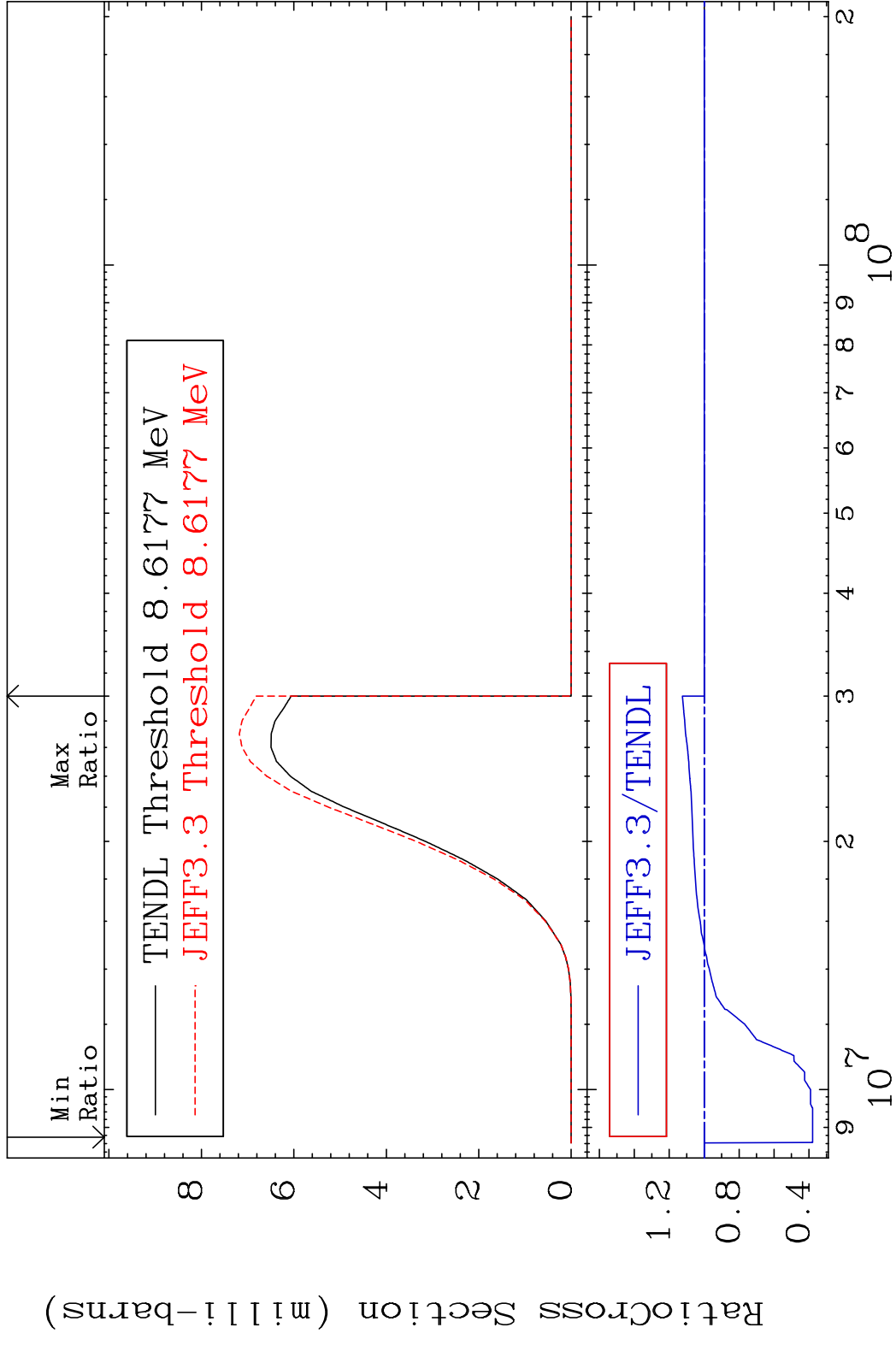
70 Incident Energy (eV) 35-Br-79



MAT 3525 (n, t):34-Se-77g 35-Br-79
 Radionuclide Production Cross Section Ratio

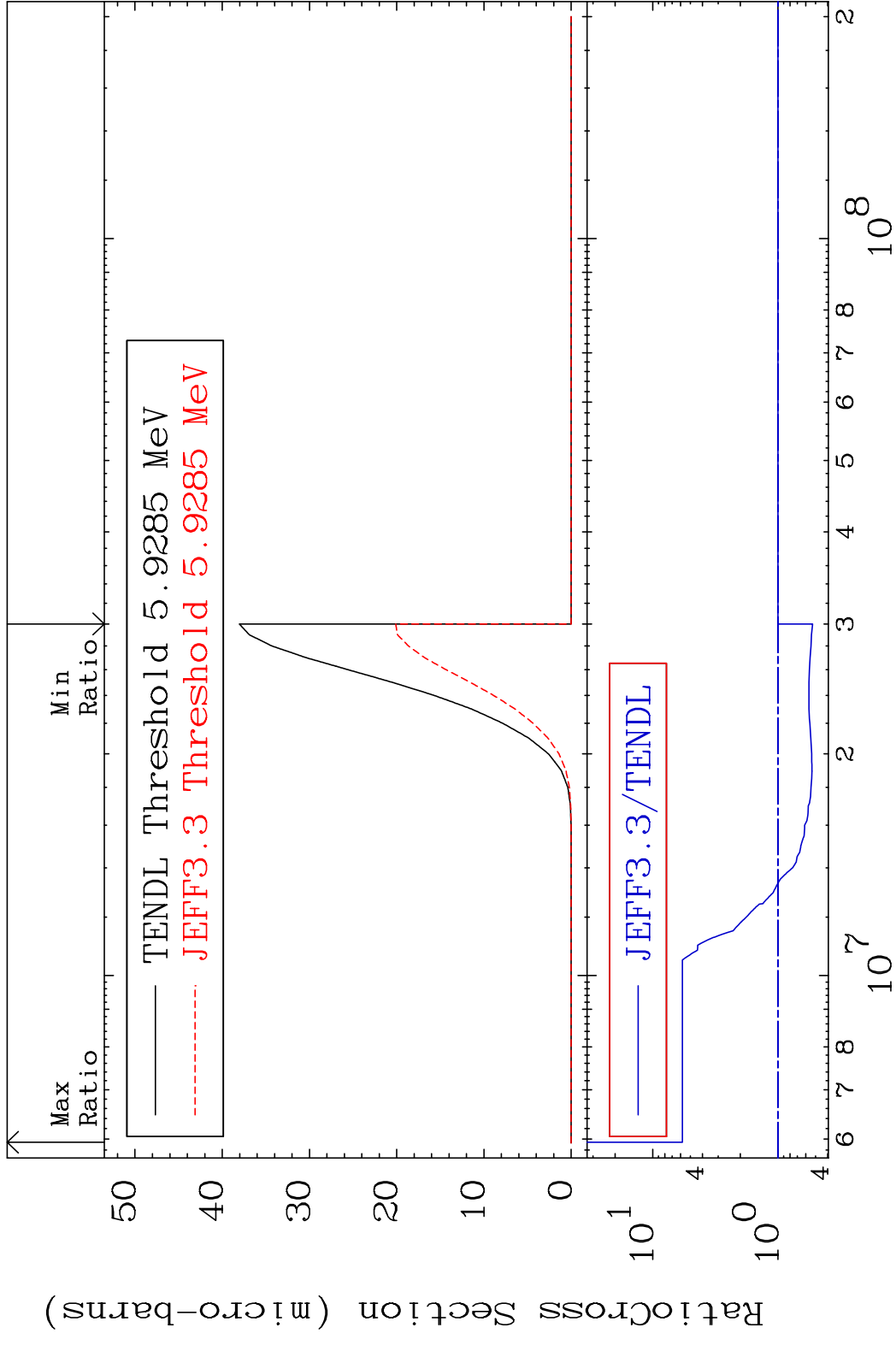


MAT 3525 (n, t):34-Se-77m1 35-Br-79
 Radionuclide Production Cross Section 62.061 d10 12.51 %



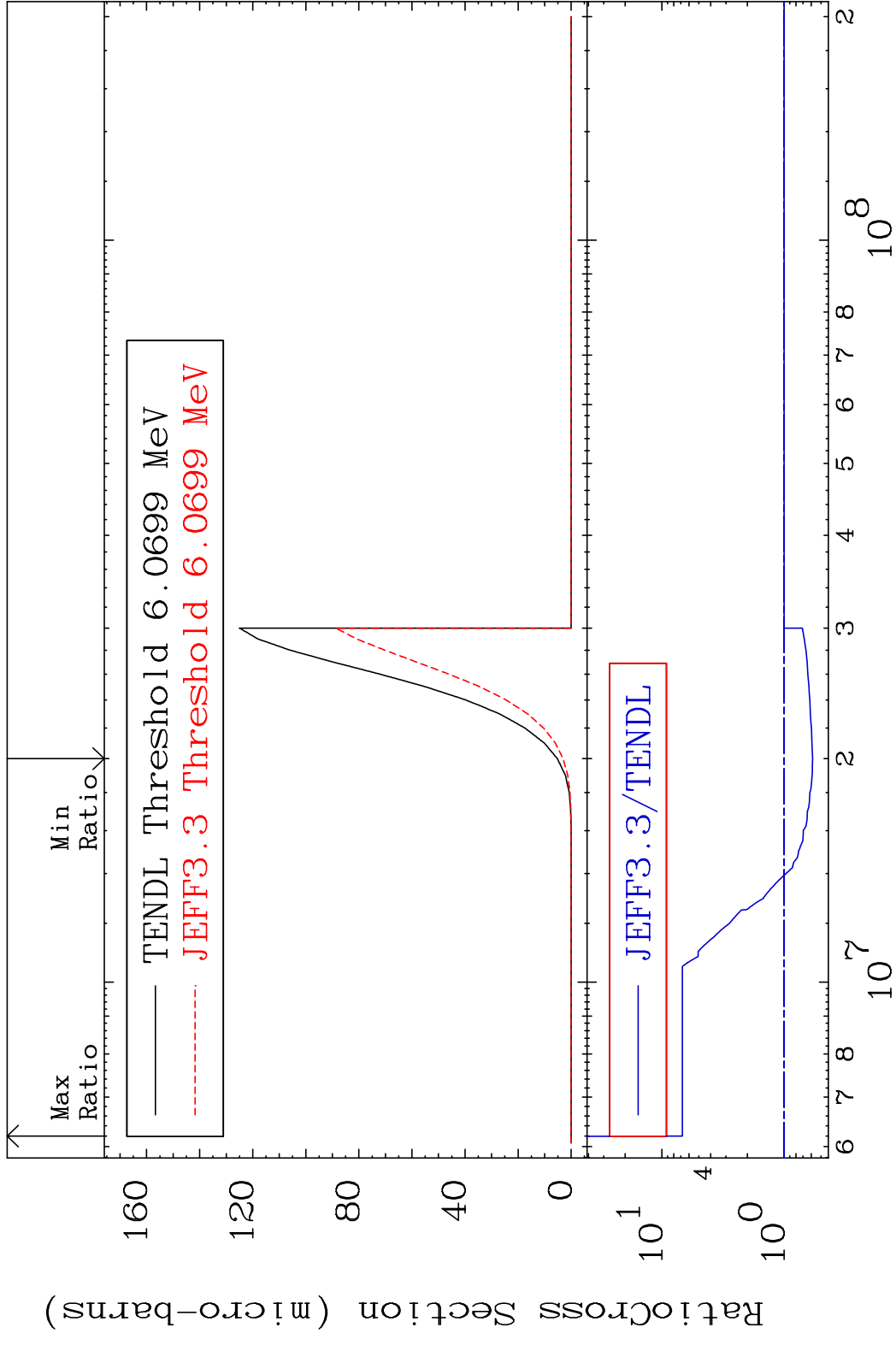
73 Incident Energy (eV) 35-Br-79

MAT 3525 (n,p) α :32-Ge-75g 35-Br-79
 Radionuclide Production Cross Section 479.7 %



74 Incident Energy (eV) 35-Br-79

MAT 3525 (n, p) α :32-Ge-75m2 35-Br-79
 Radionuclide Production Cross Section 580.7 %



75 Incident Energy (eV) 35-Br-79