

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

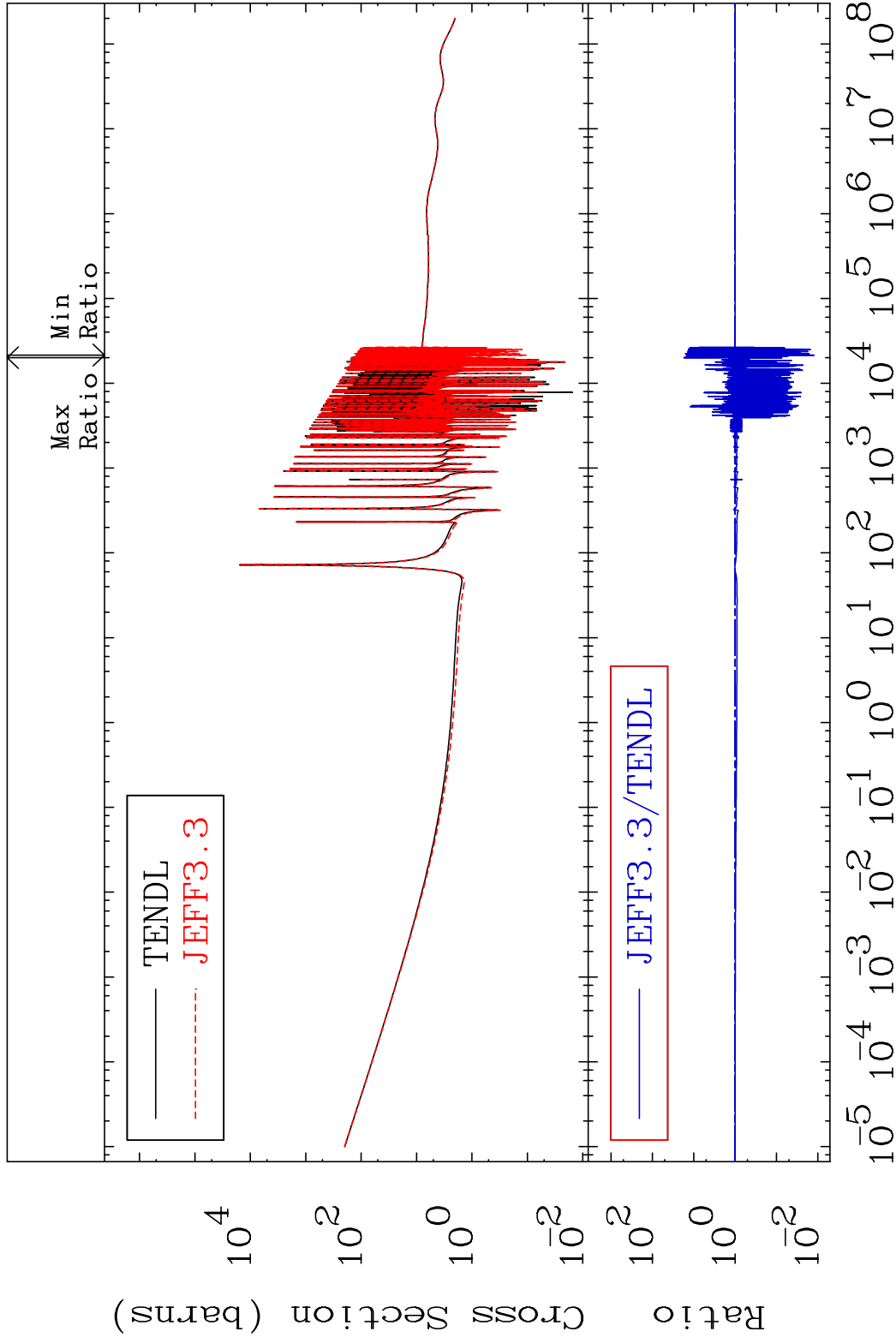
MAT 5231

Total

52-Te-122

Cross Section

-98.777 To 1648. %



1

Incident Energy (eV)

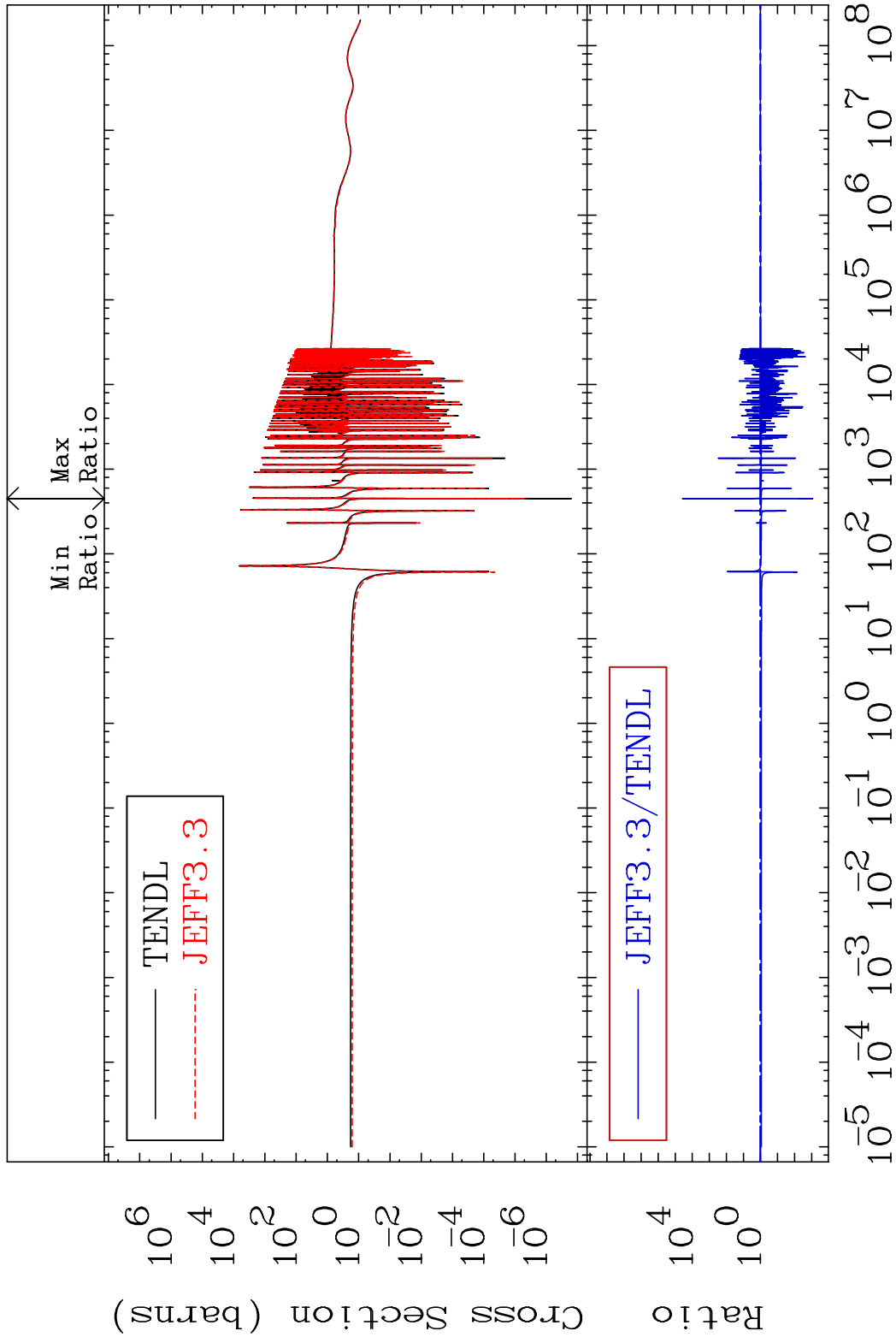
52-Te-122

MAT 5231

Elastic

52-Te-122

Cross Section -99.91 To 9999. %

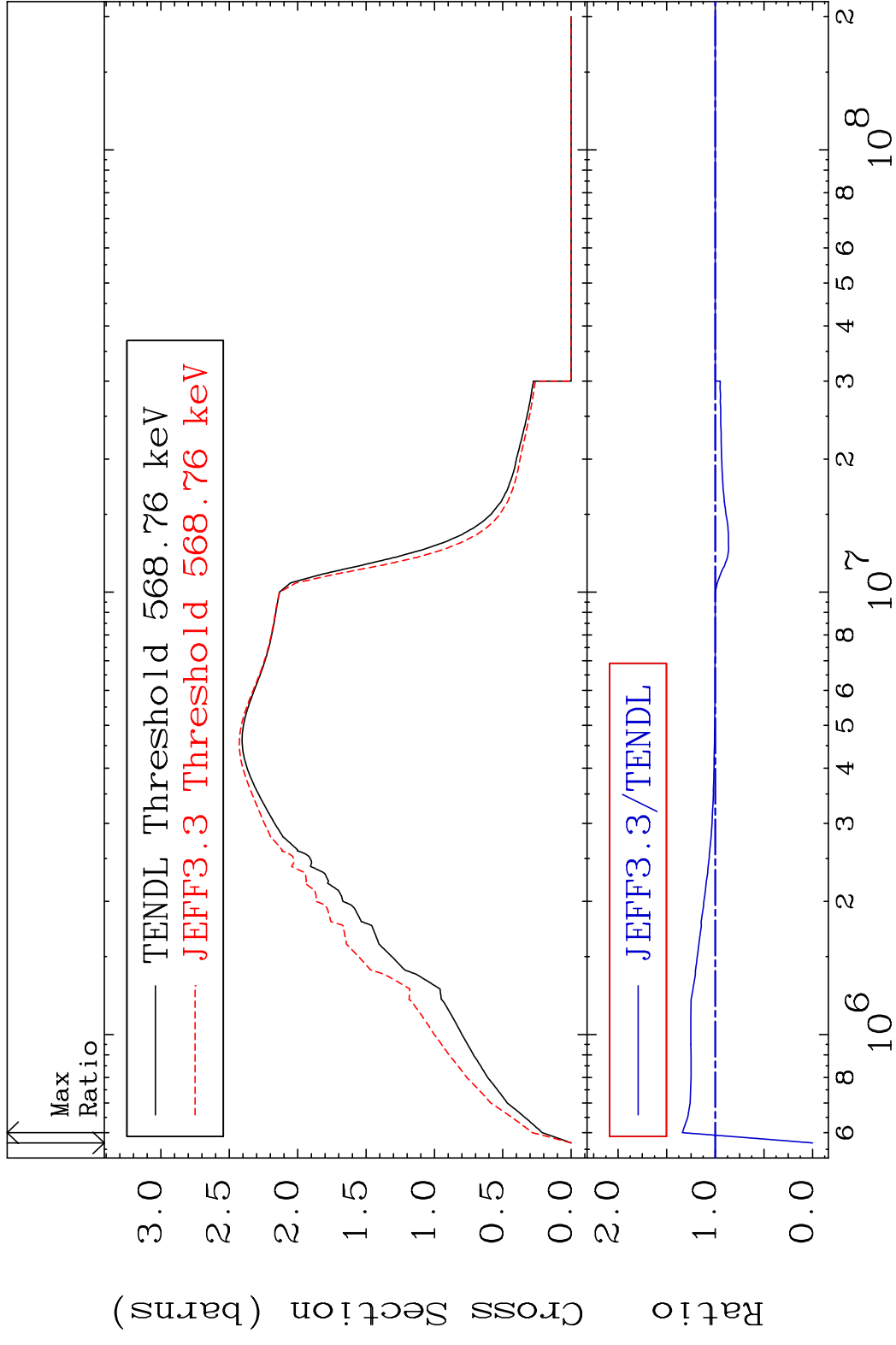


2

Incident Energy (eV)

52-Te-122

MAT 5231 Inelastic 52-Te-122
 Cross Section -100.0 To 33.88 %



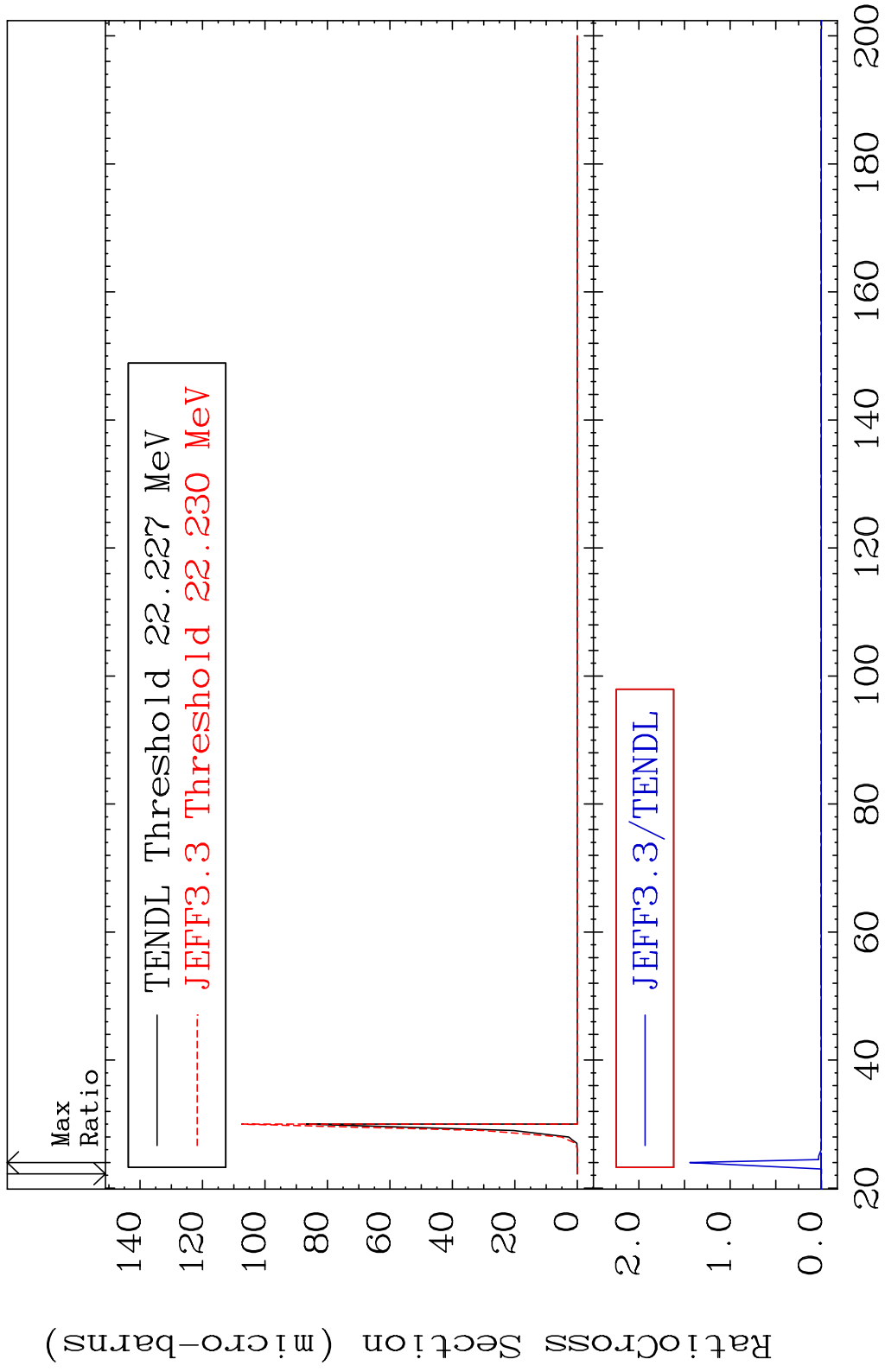
3 Incident Energy (eV) 52-Te-122

MAT 5231

(n,2n) d

52-Te-122

Cross Section -100.0 To 9999. %

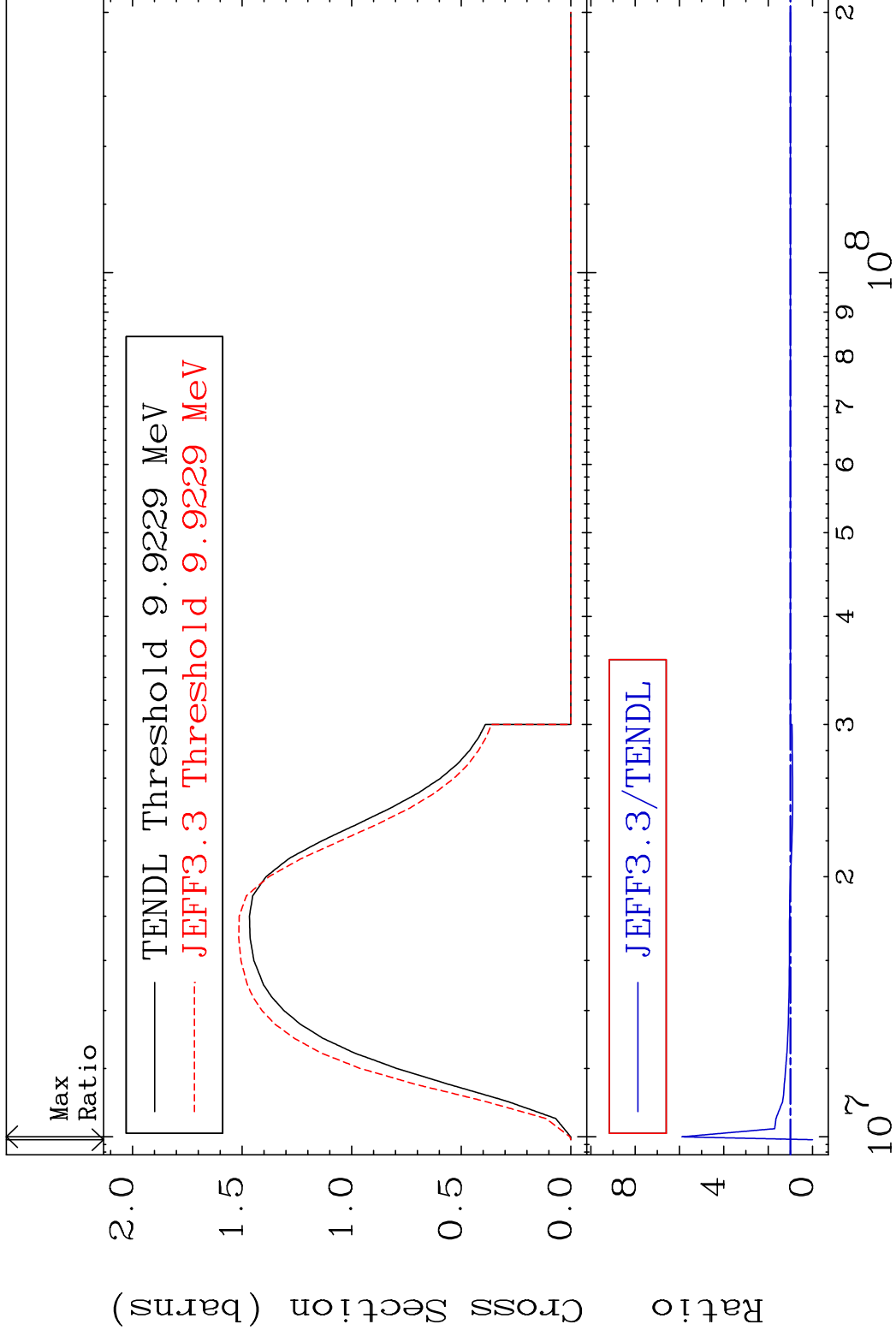


MAT 5231

(n,2n)

52-Te-122

Cross Section -100.0 To 488.0 %



5

Incident Energy (eV)

52-Te-122

MAT 5231

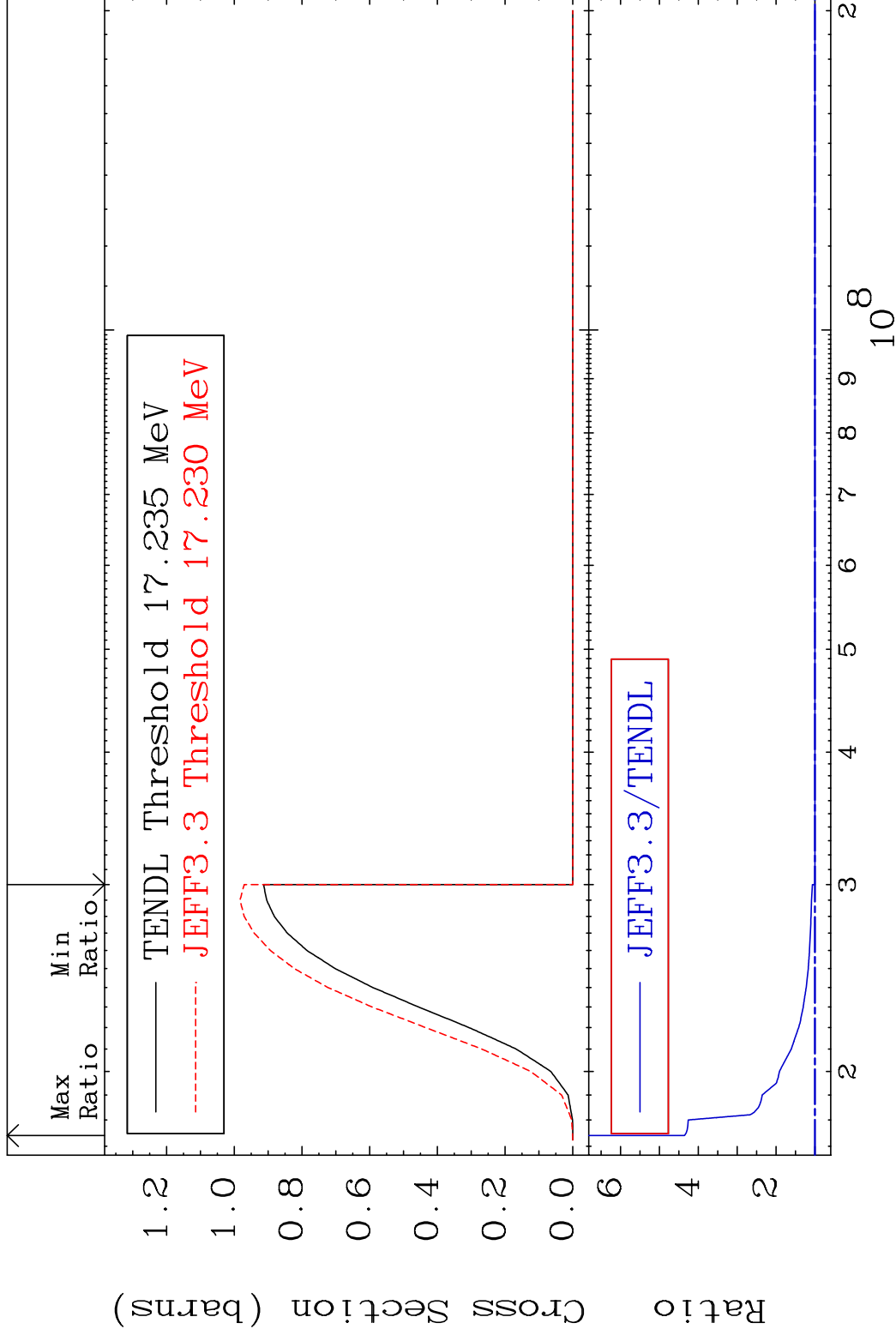
(n,3n)

52-Te-122

Cross Section

0.000

To 336.0 %



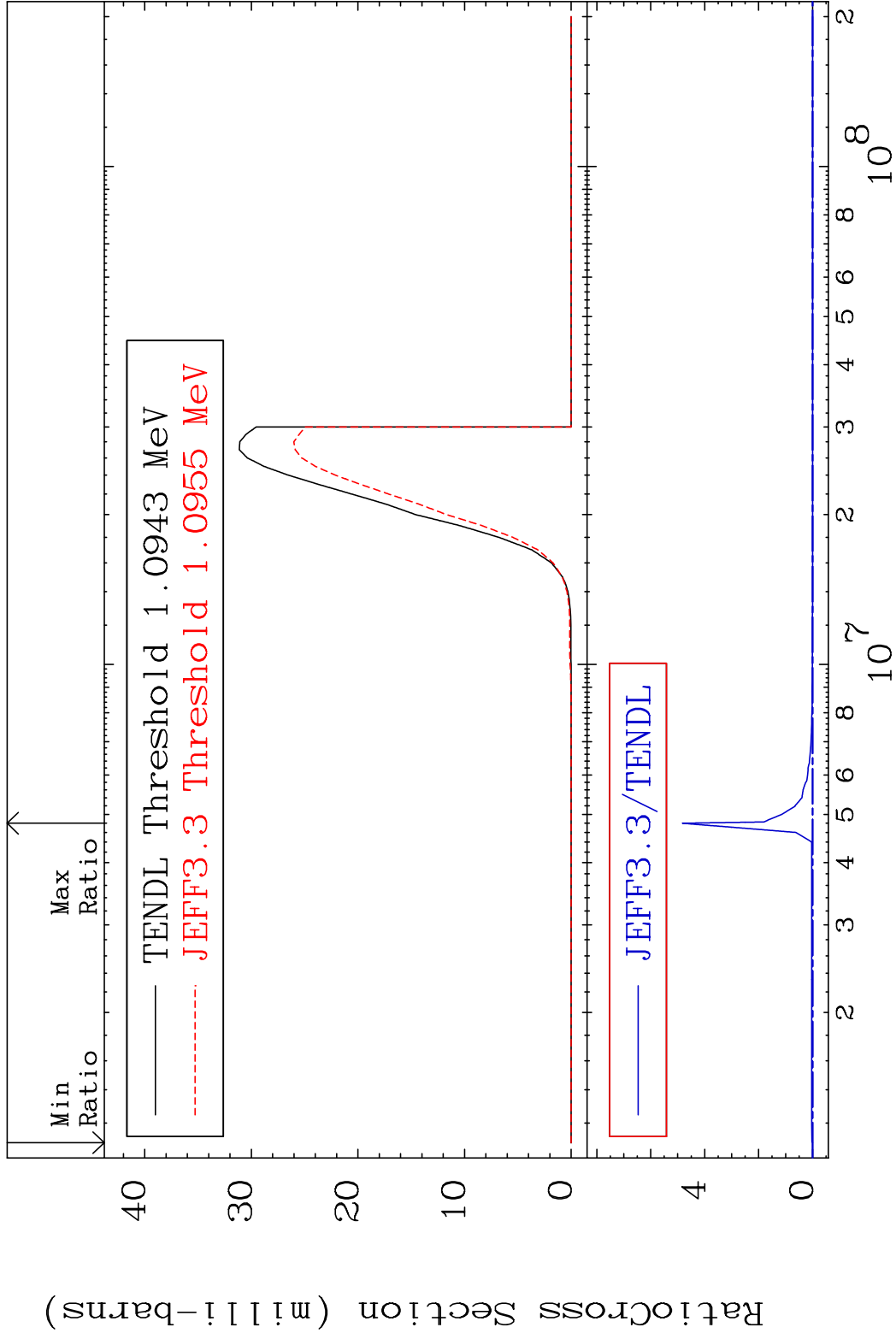
6

Incident Energy (eV)

52-Te-122

MAT 5231

(n, n') α 52-Te-122
Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

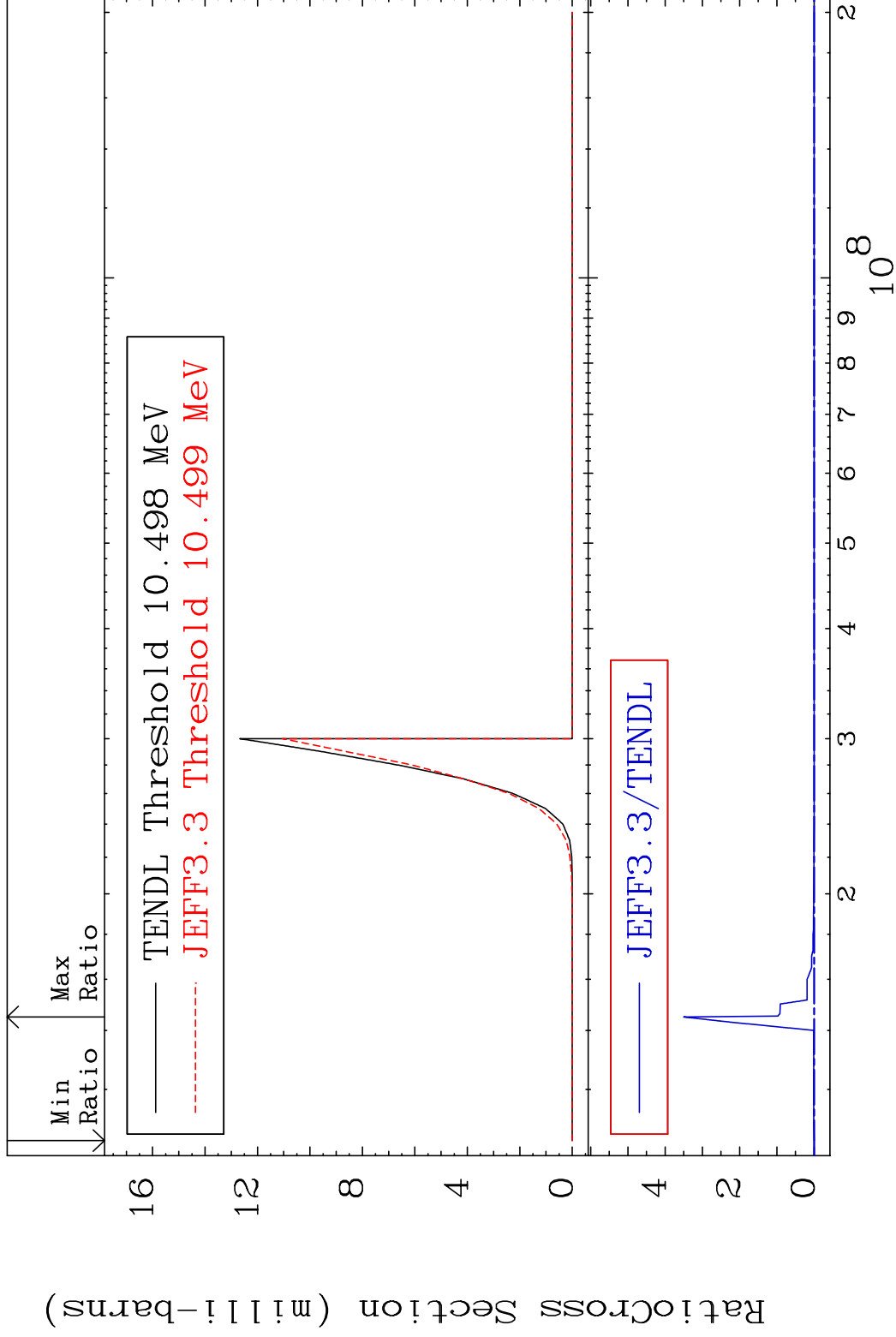
52-Te-122

MAT 5231

(n,2n) α

52-Te-122

Cross Section -100.0 To 9999. %

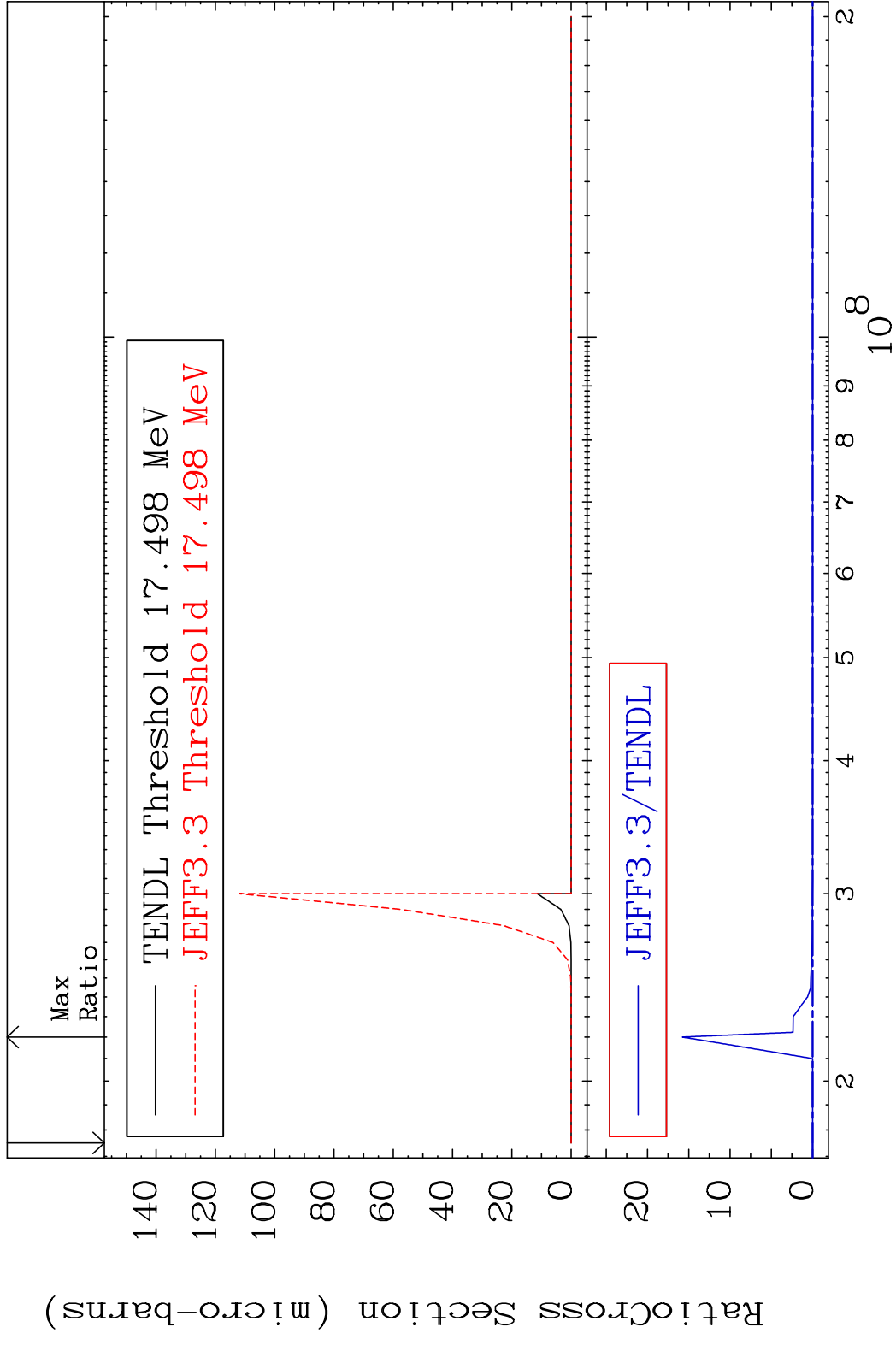


8

Incident Energy (eV)

52-Te-122

MAT 5231 (n,3n) α 52-Te-122
 Cross Section -100.0 To 9999. %

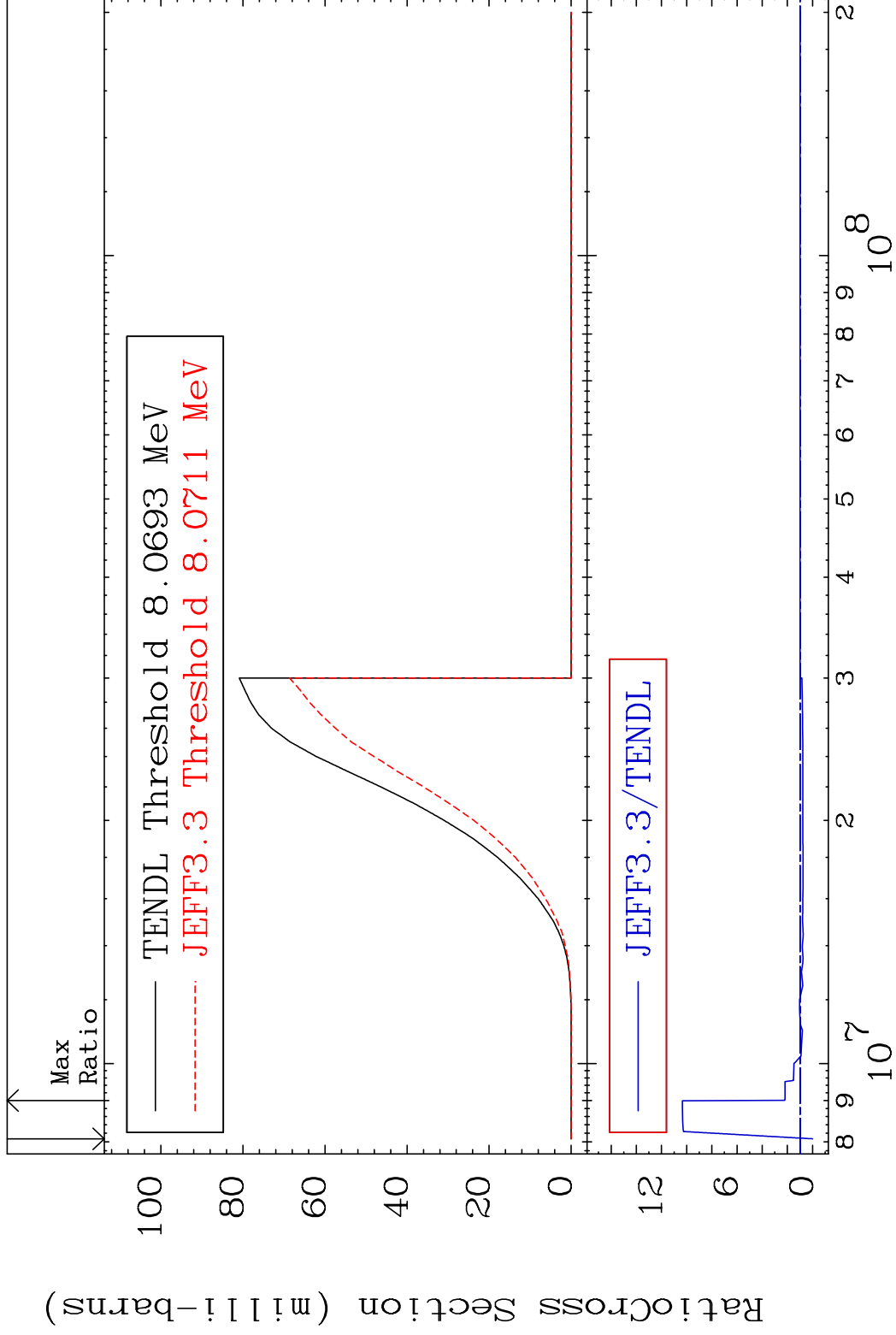


MAT 5231

(n, n') p

52-Te-122

Cross Section -100.0 To 934.4 %



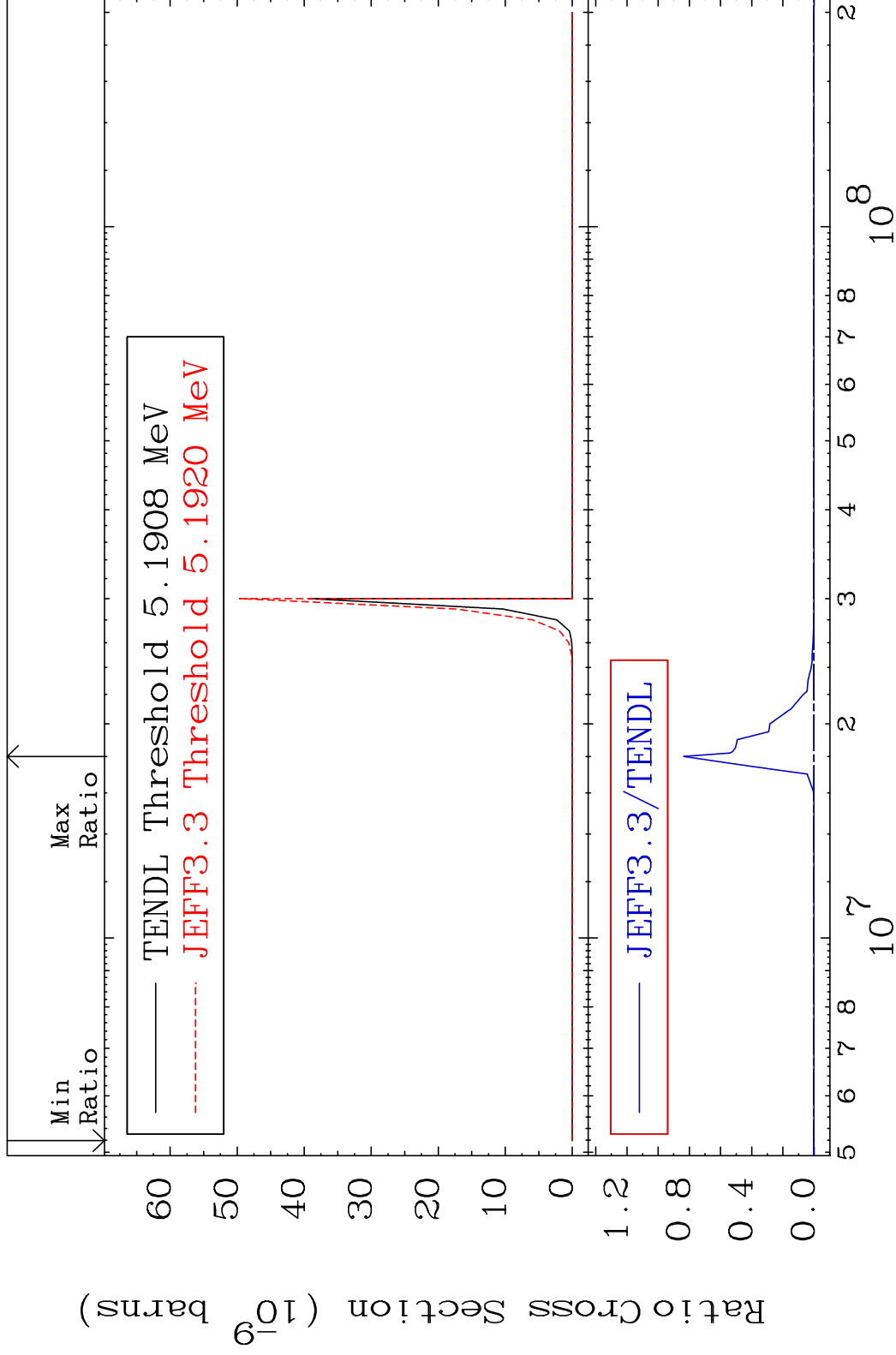
10

Incident Energy (eV)

52-Te-122

MAT 5231

(n, n') 2 α 52-Te-122
Cross Section -100.0 To 9999. %



11

Incident Energy (eV)

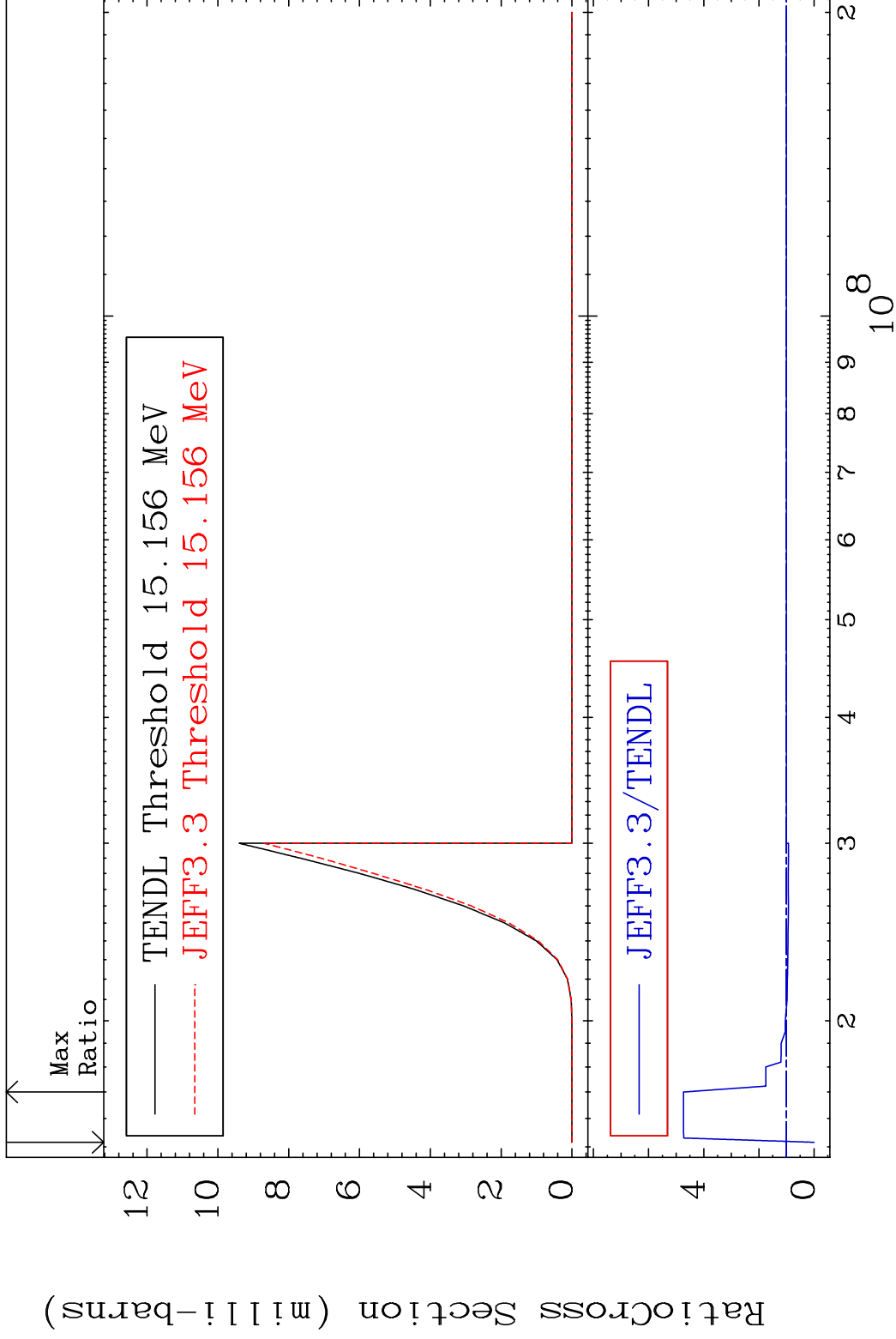
52-Te-122

MAT 5231

(n, n') d

52-Te-122

Cross Section -100.0 To 373.6 %

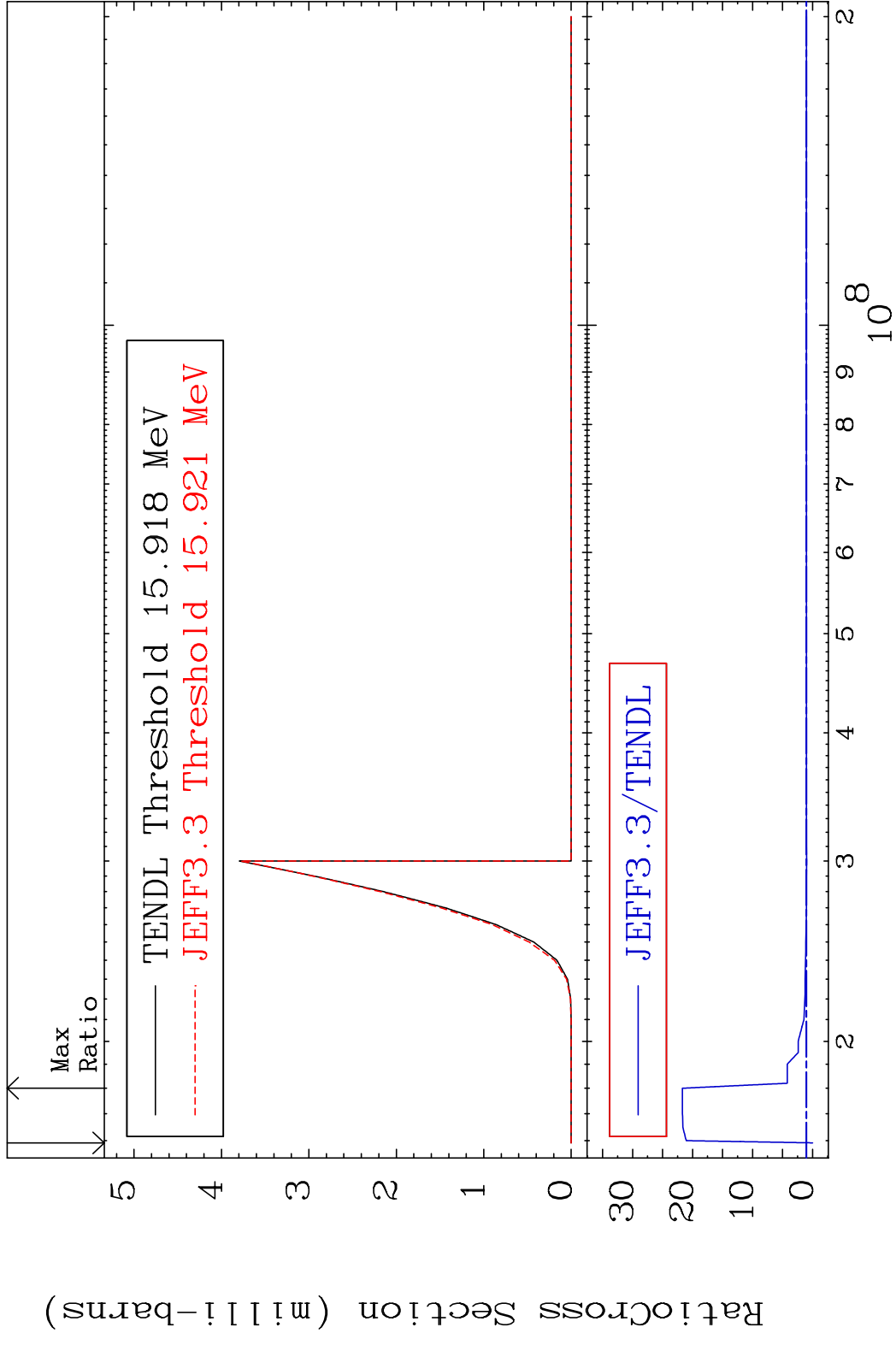


12

Incident Energy (eV)

52-Te-122

MAT 5231 (n, n') t 52-Te-122
 Cross Section -100.0 To 2070. %

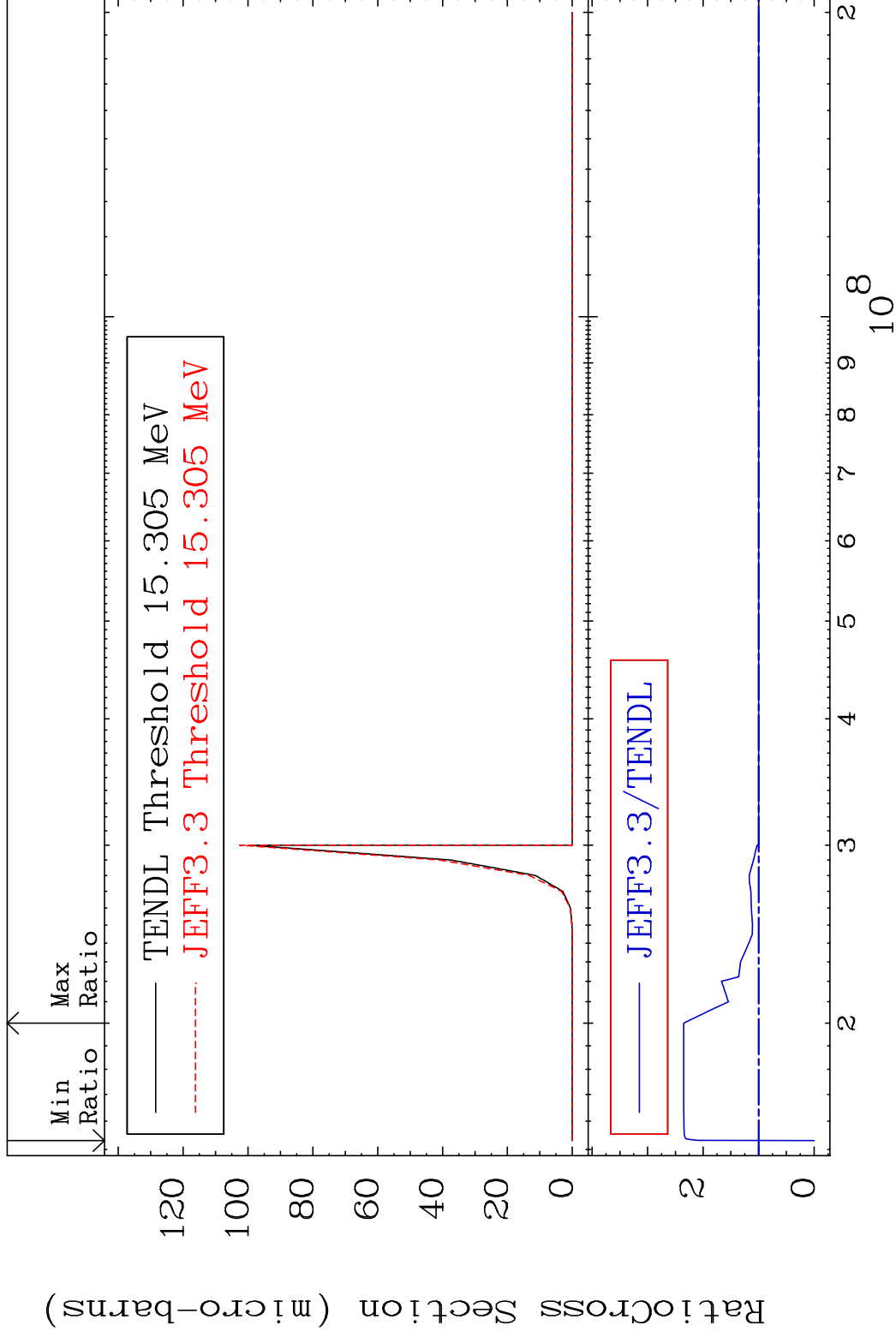


MAT 5231

(n,n') He-3

52-Te-122

Cross Section -100.0 To 135.1 %

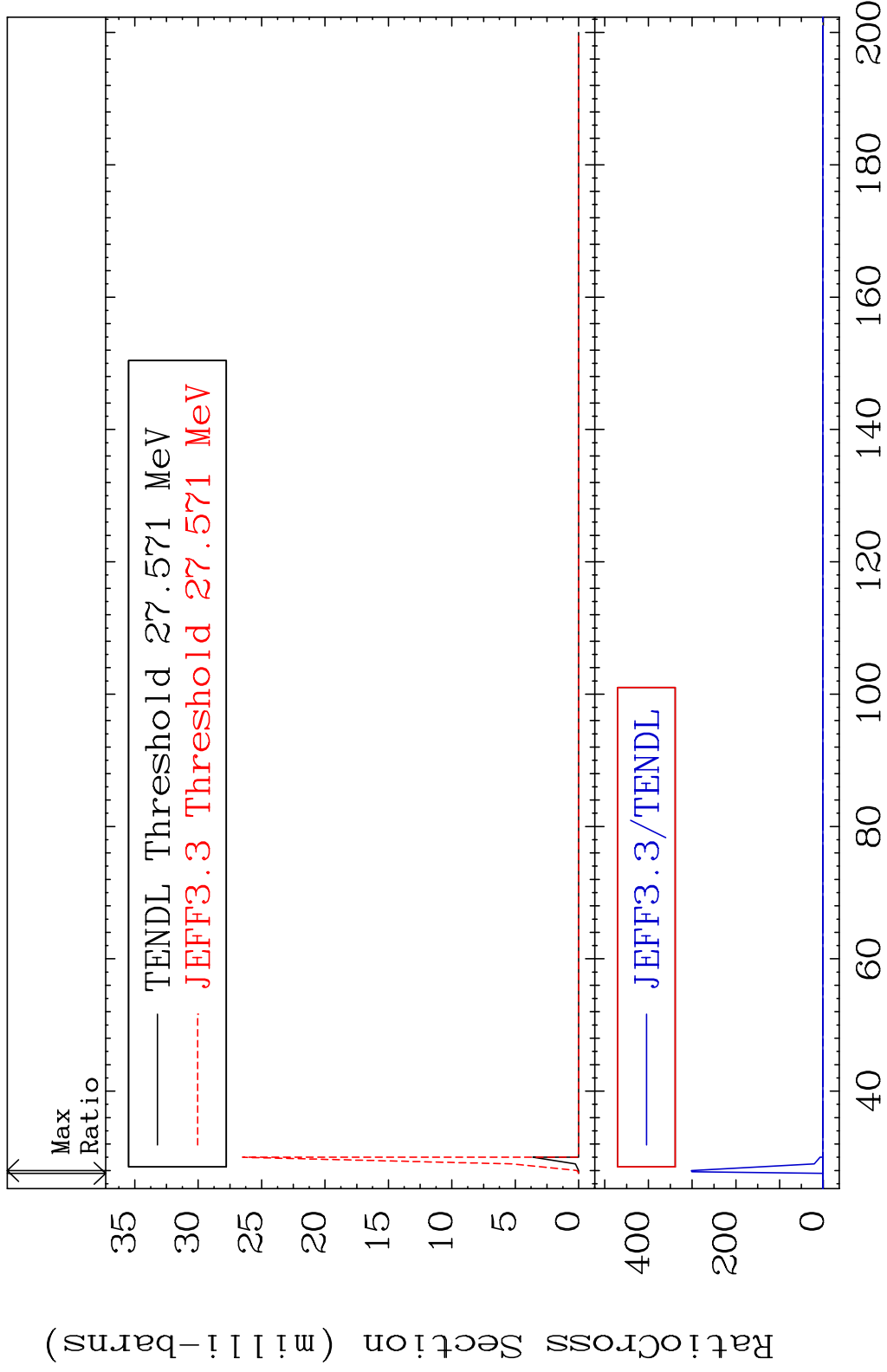


MAT 5231

(n,4n)

52-Te-122

Cross Section -100.0 To 9999. %



15

Incident Energy (MeV)

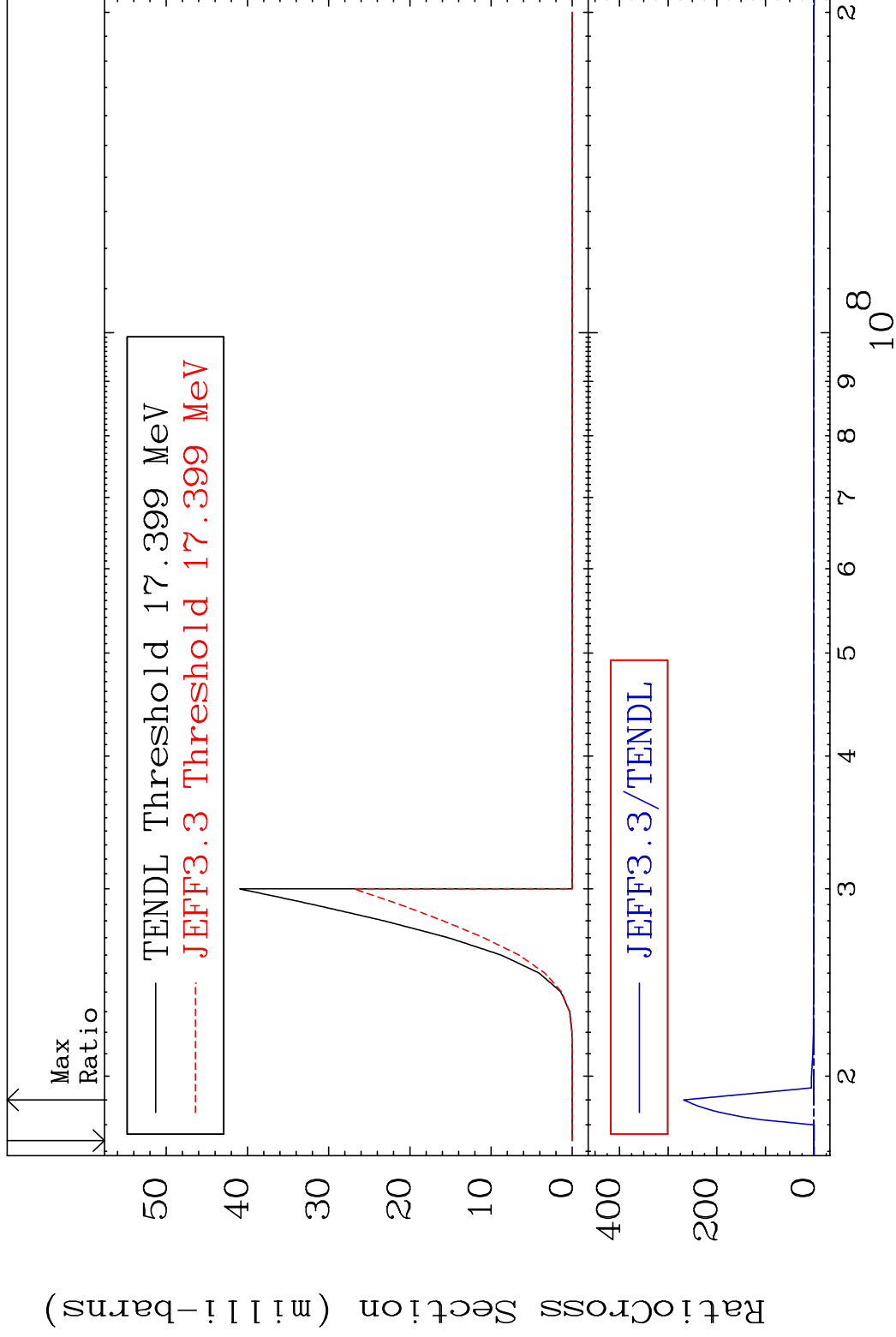
52-Te-122

MAT 5231

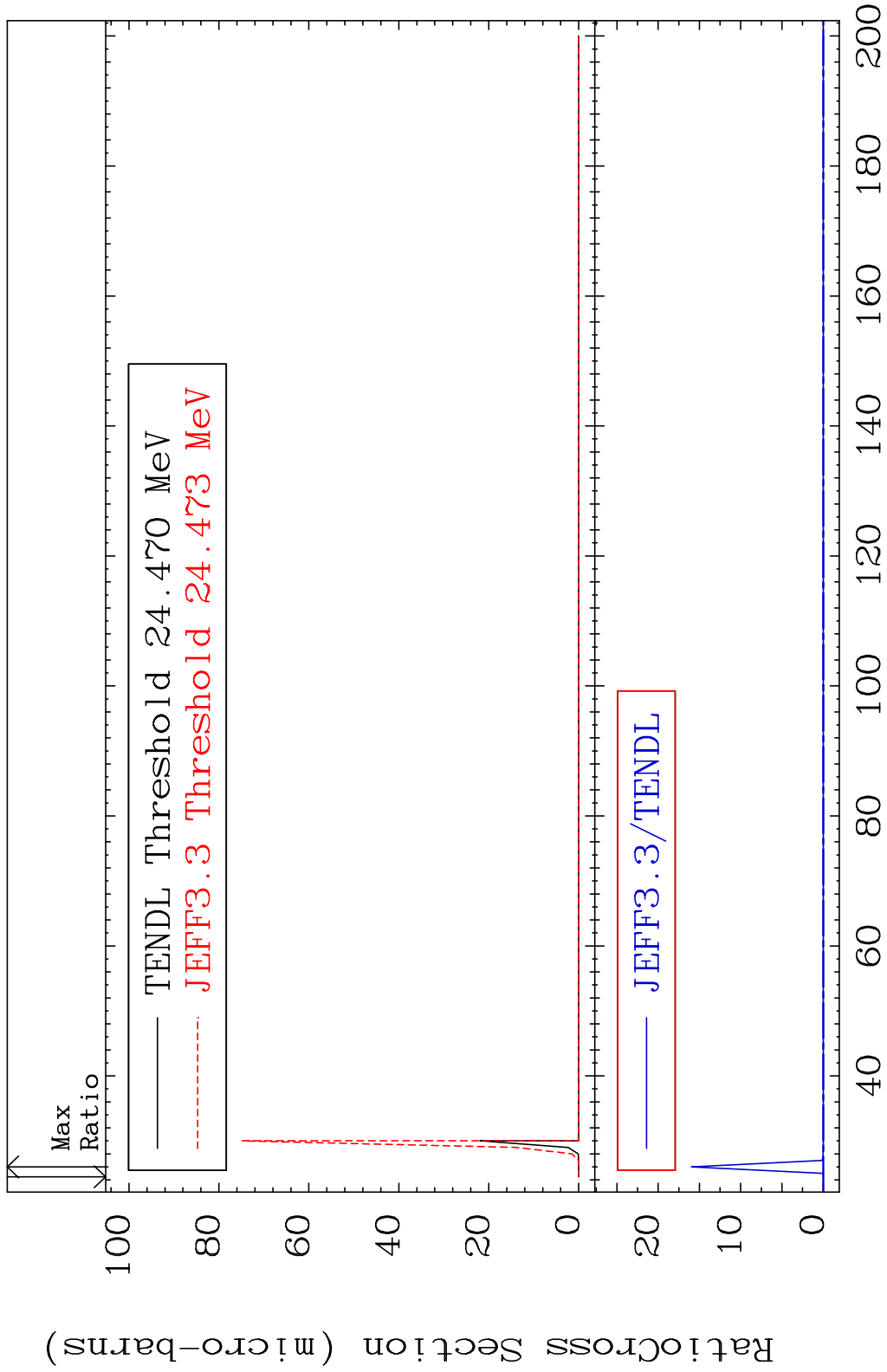
(n,2n) p

52-Te-122

Cross Section -100.0 To 9999. %



MAT 5231 (n,3n) p 52-Te-122
 Cross Section -100.0 To 9999. %

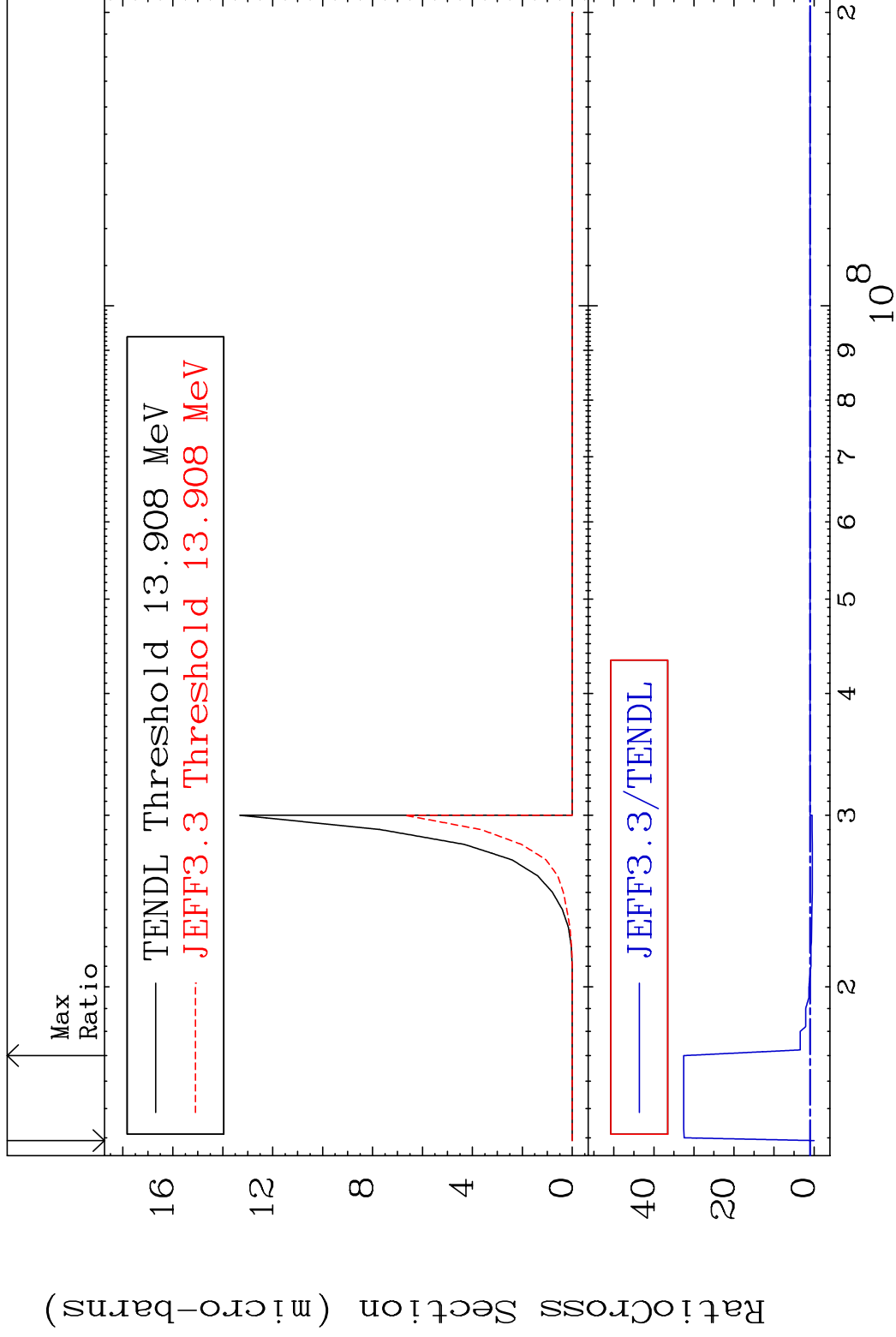


MAT 5231

(n,2n) p

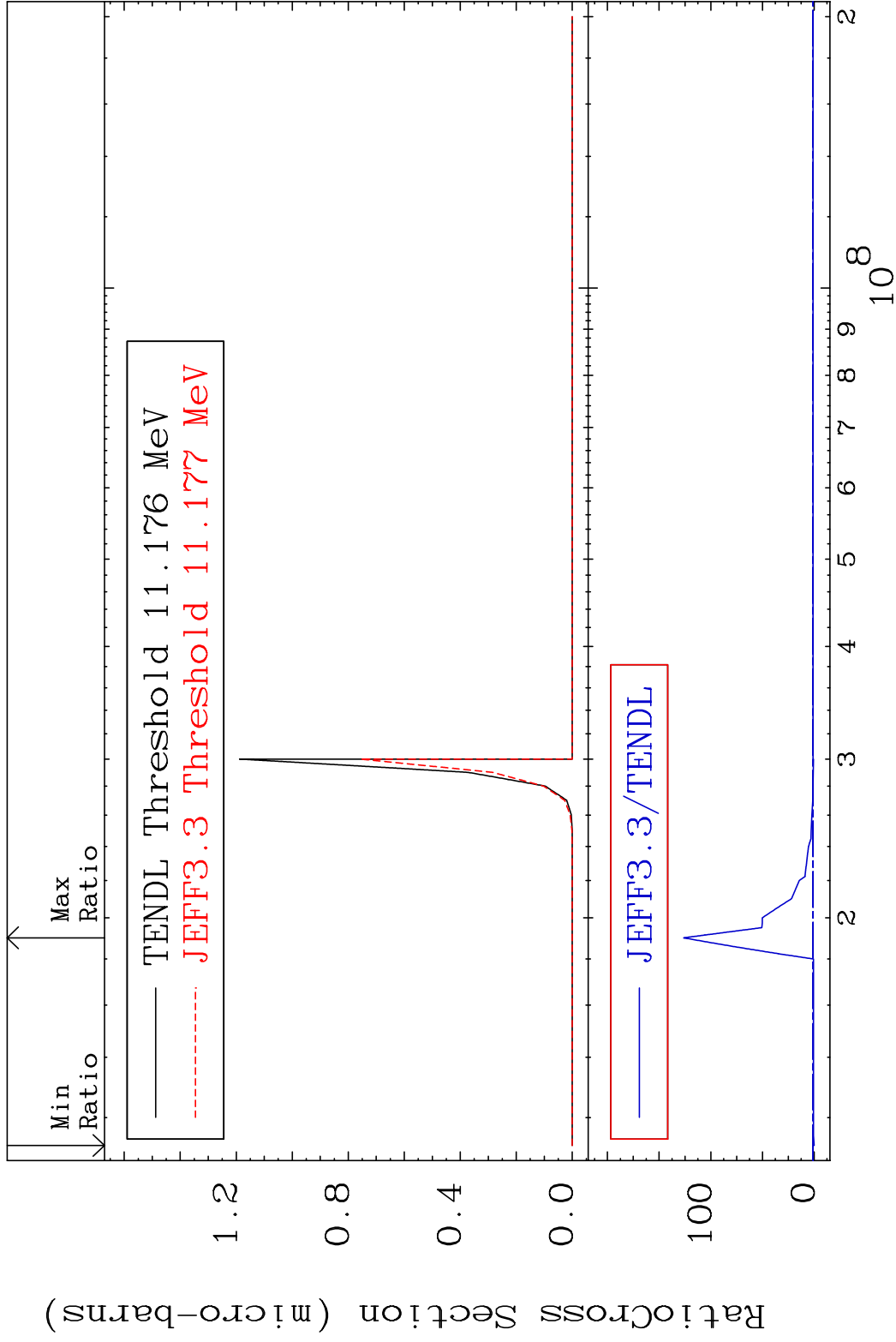
52-Te-122

Cross Section -100.0 To 3157. %



MAT 5231

(n,n') p α 52-Te-122
Cross Section -100.0 To 9999. %

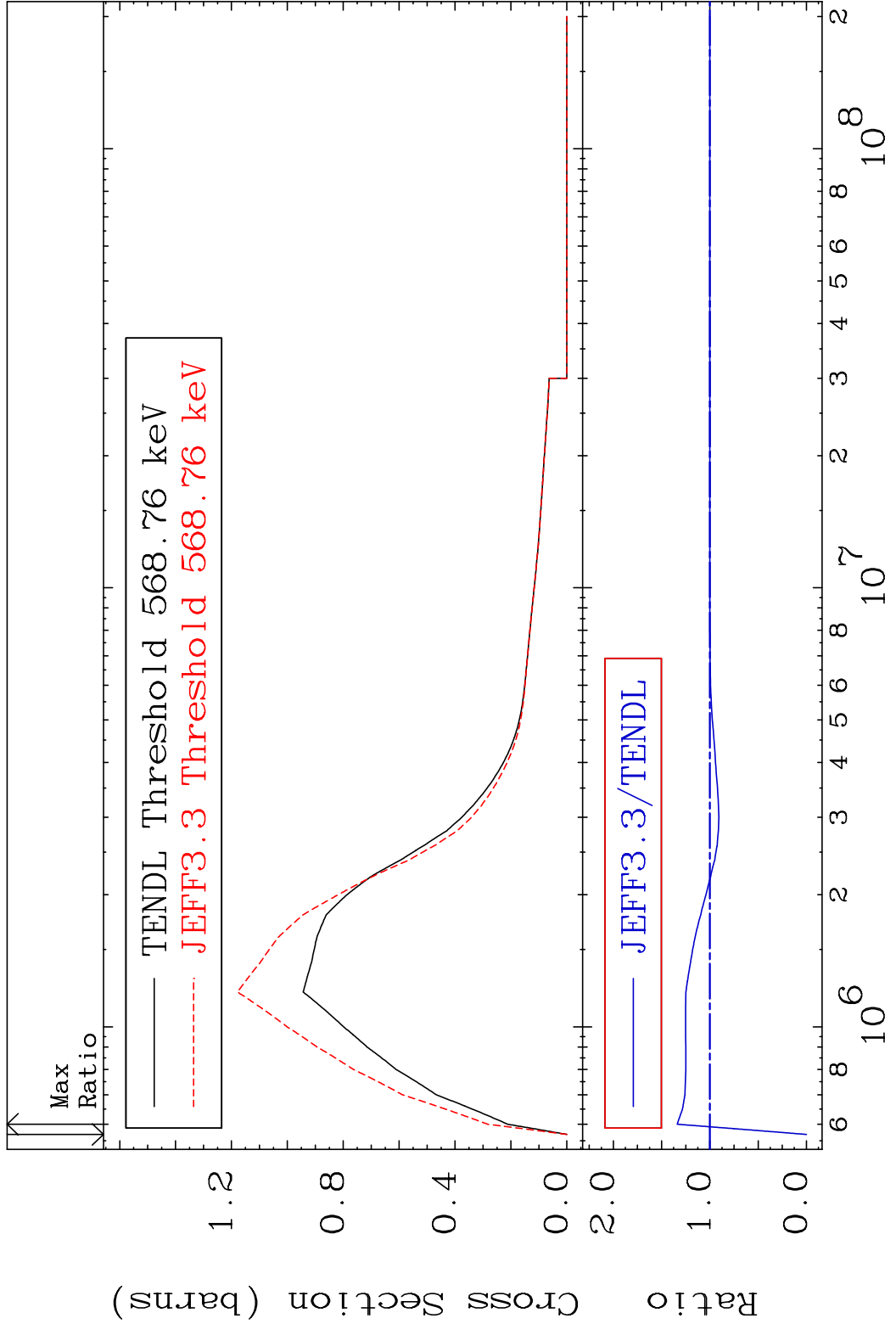


19

Incident Energy (eV)

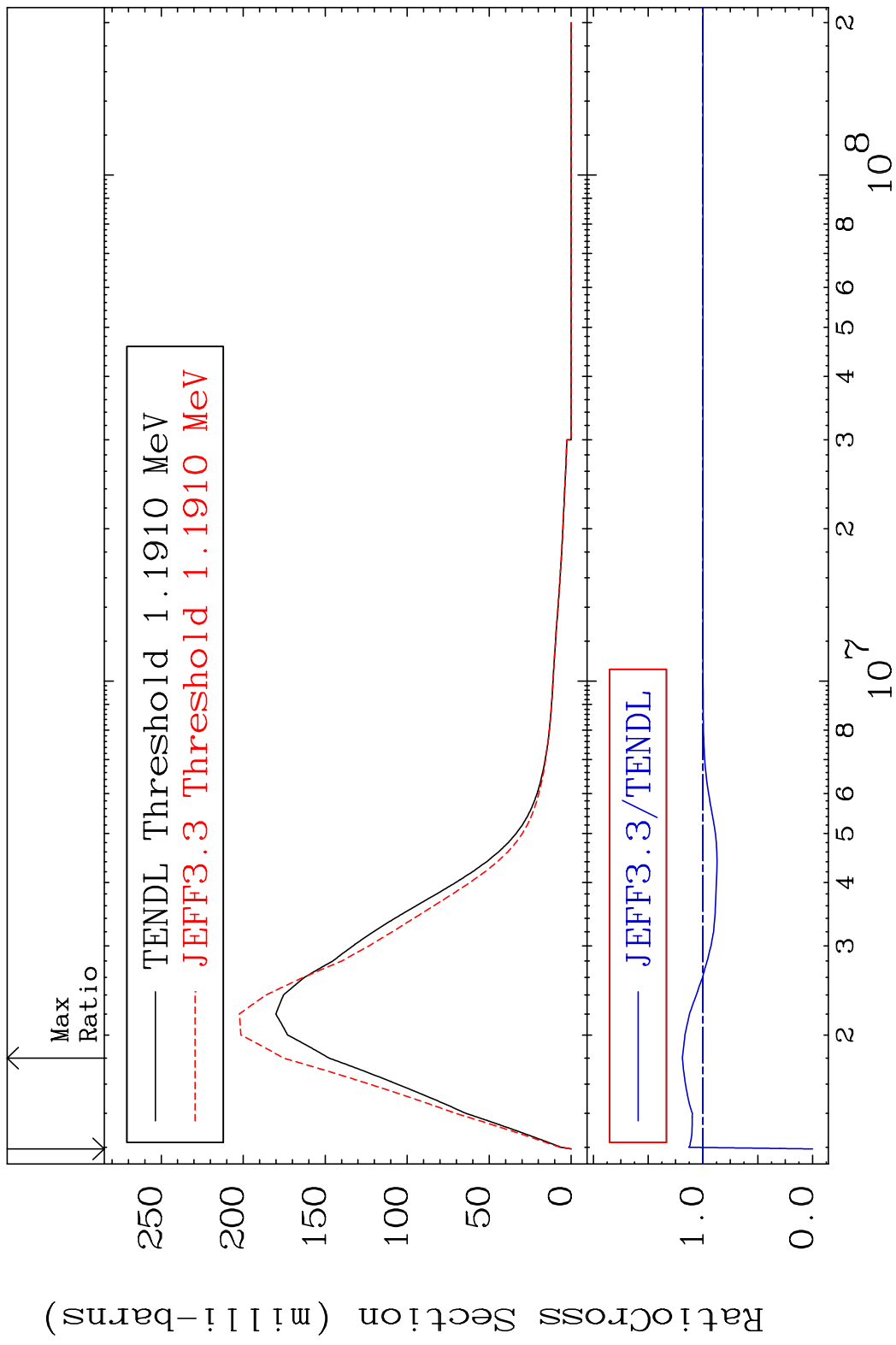
52-Te-122

MAT 5231 MT= 51 (n,n') Level 52-Te-122
 Cross Section -100.0 To 33.88 %



20 Incident Energy (eV) 52-Te-122

MAT 5231 MT= 52 (n, n') Level 52-Te-122
 Cross Section -100.0 To 18.82 %

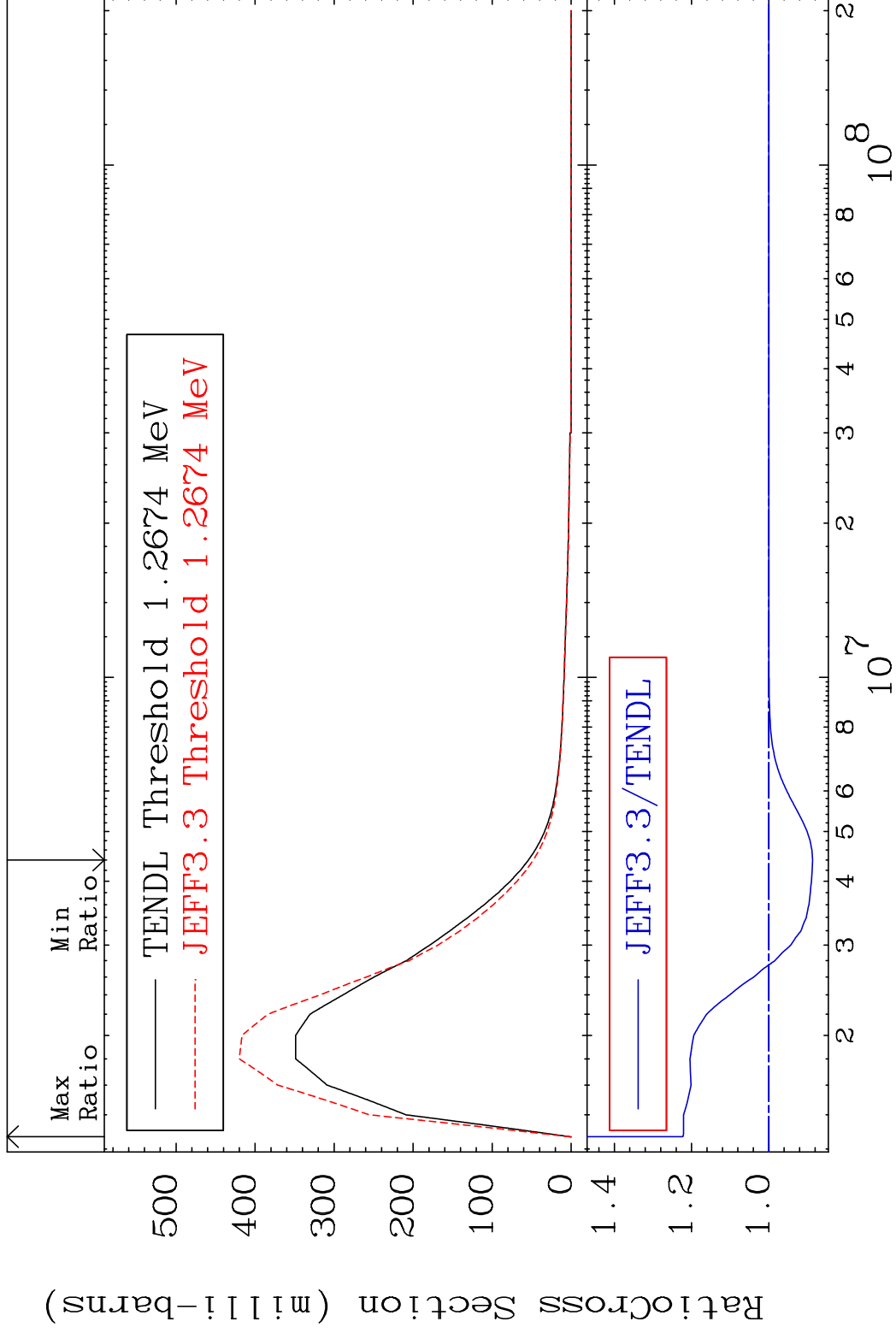


MAT 5231

MT= 53 (n,n') Level

52-Te-122

Cross Section -11.35 To 22.38 %

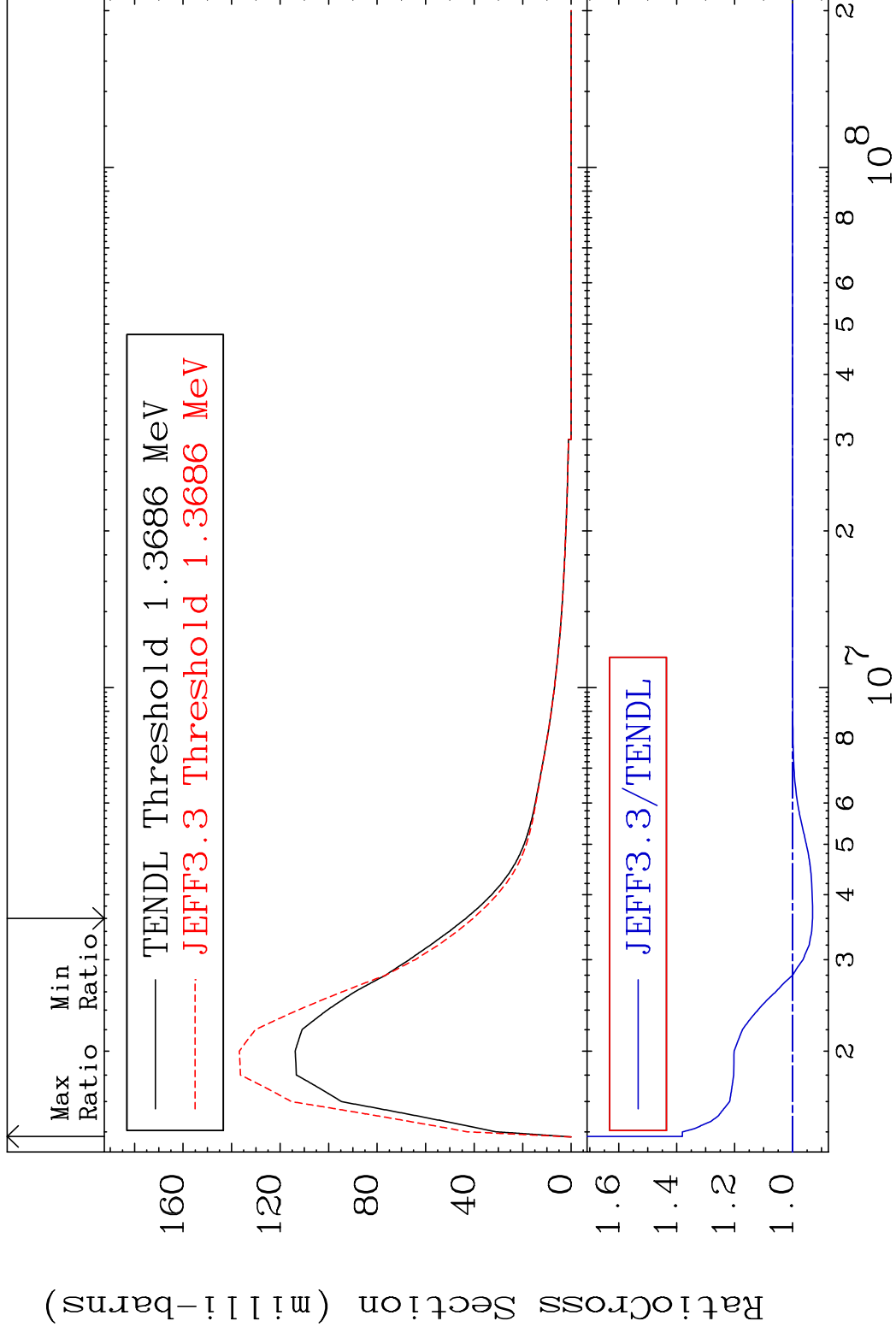


MAT 5231

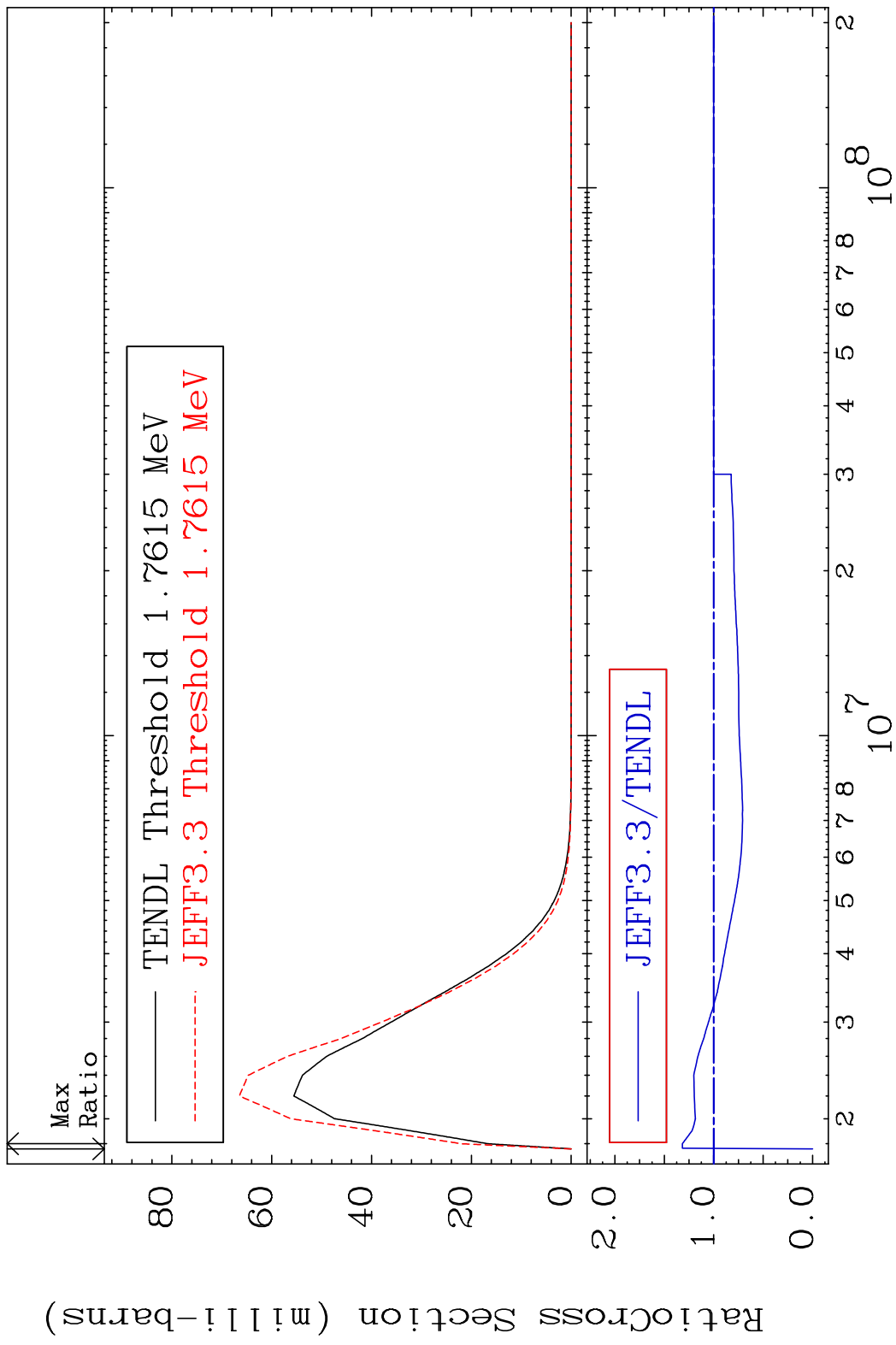
MT= 54 (n,n') Level

52-Te-122

Cross Section -6.887 To 38.06 %



MAT 5231 MT= 55 (n,n') Level 52-Te-122
 Cross Section -100.0 To 31.75 %

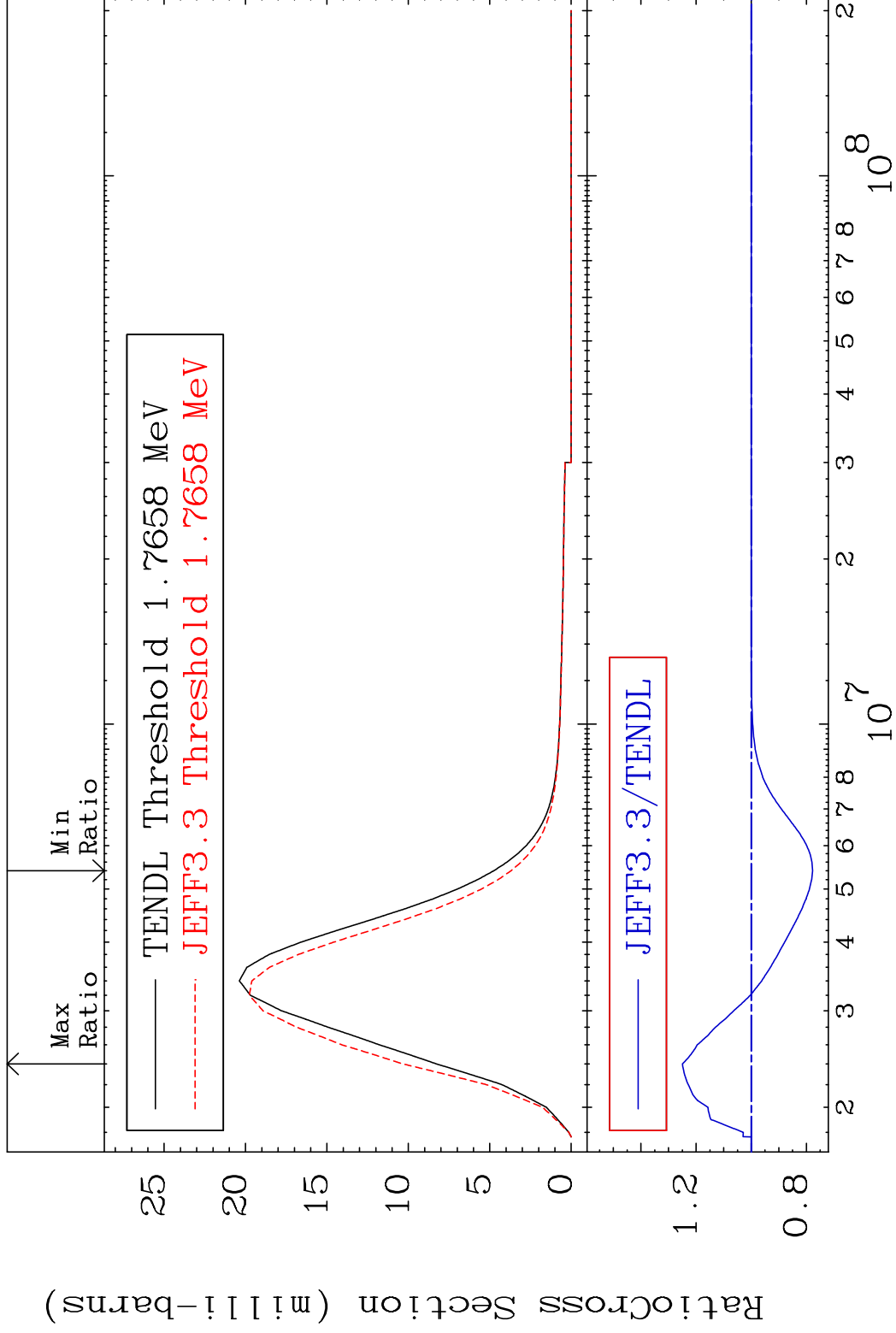


MAT 5231

MT= 56 (n,n') Level

52-Te-122

Cross Section -22.22 To 24.98 %

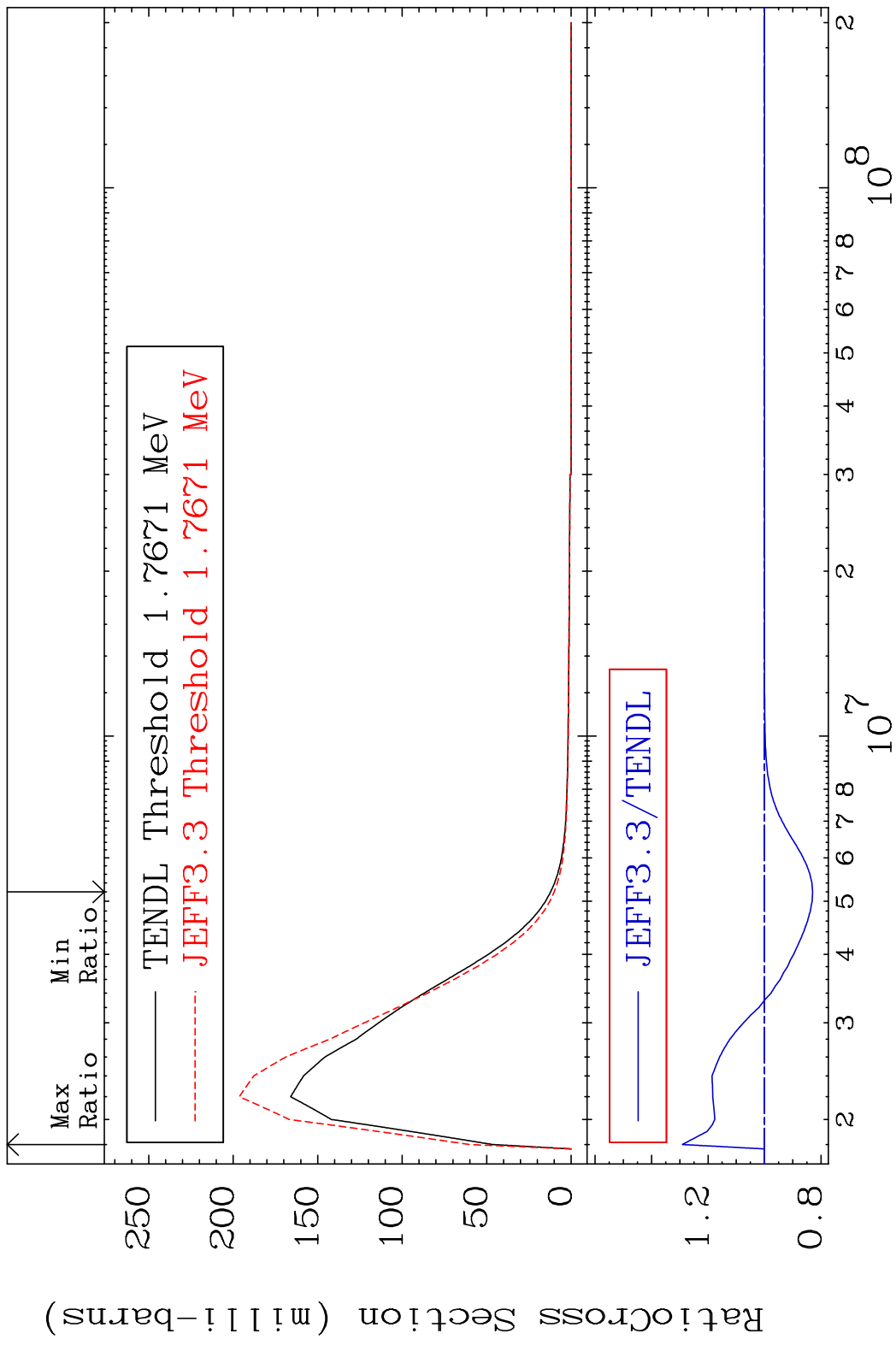


25

Incident Energy (eV)

52-Te-122

MAT 5231 MT= 57 (n, n') Level 52-Te-122
 Cross Section -17.01 To 29.11 %

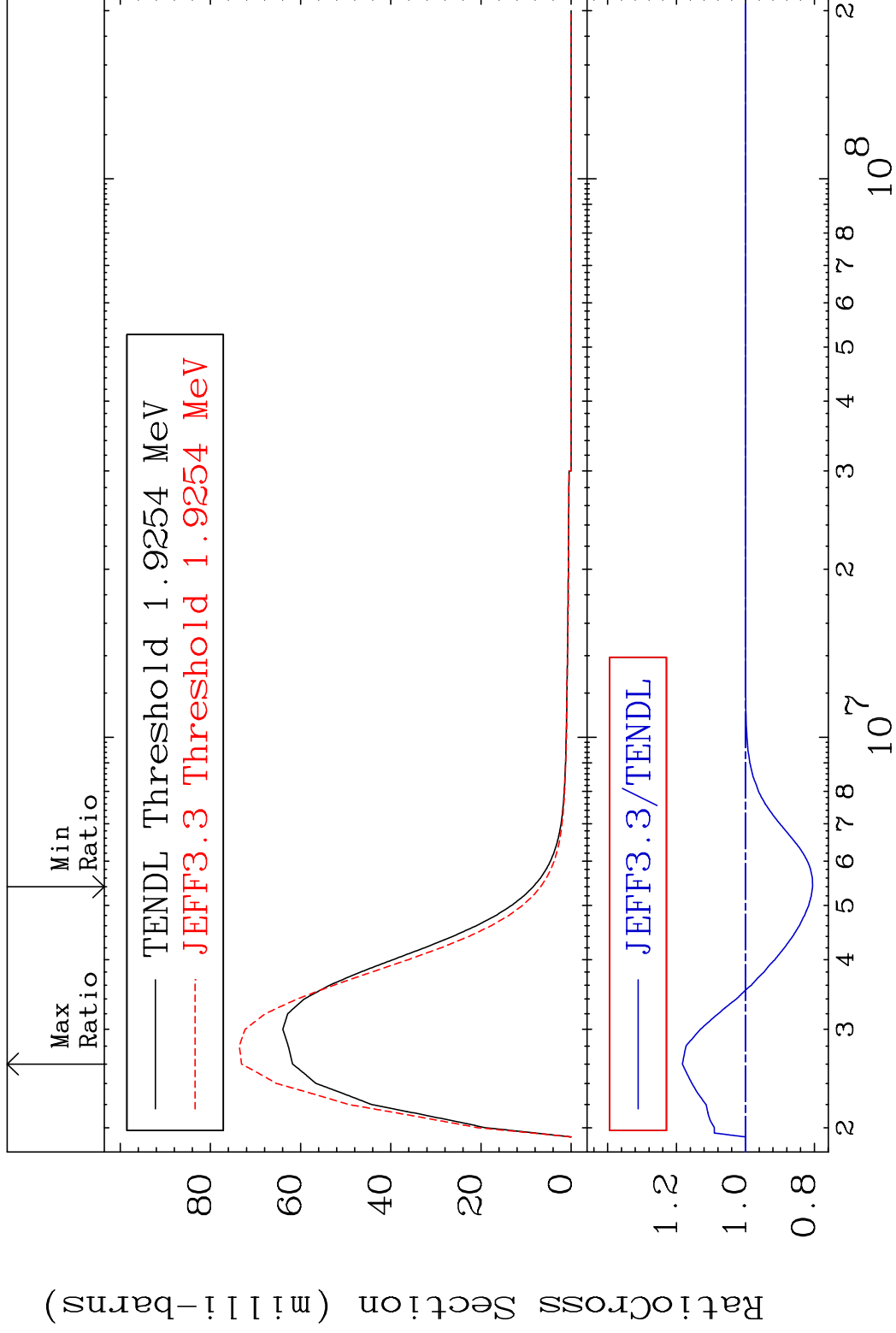


MAT 5231

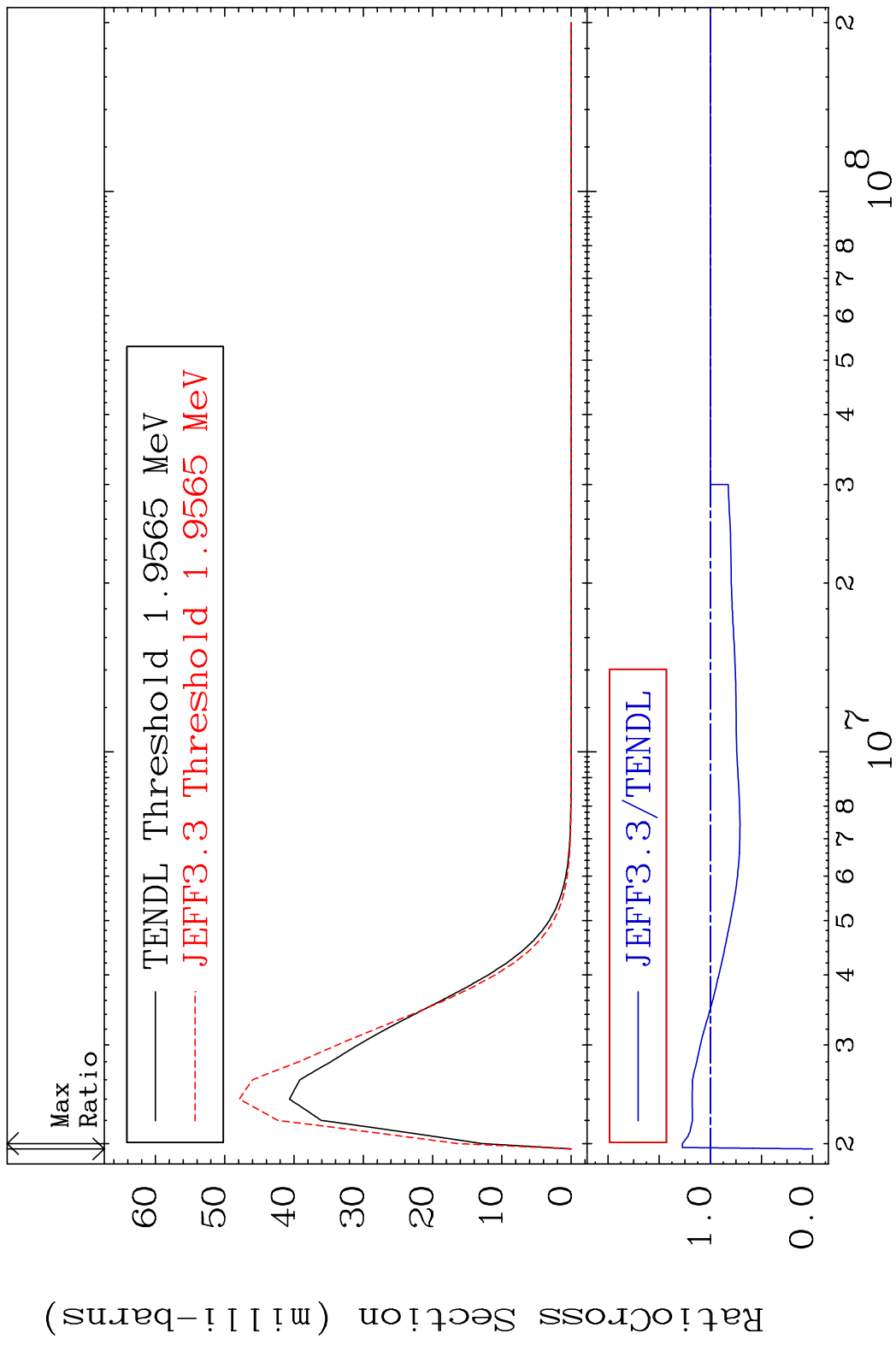
MT= 58 (n,n') Level

52-Te-122

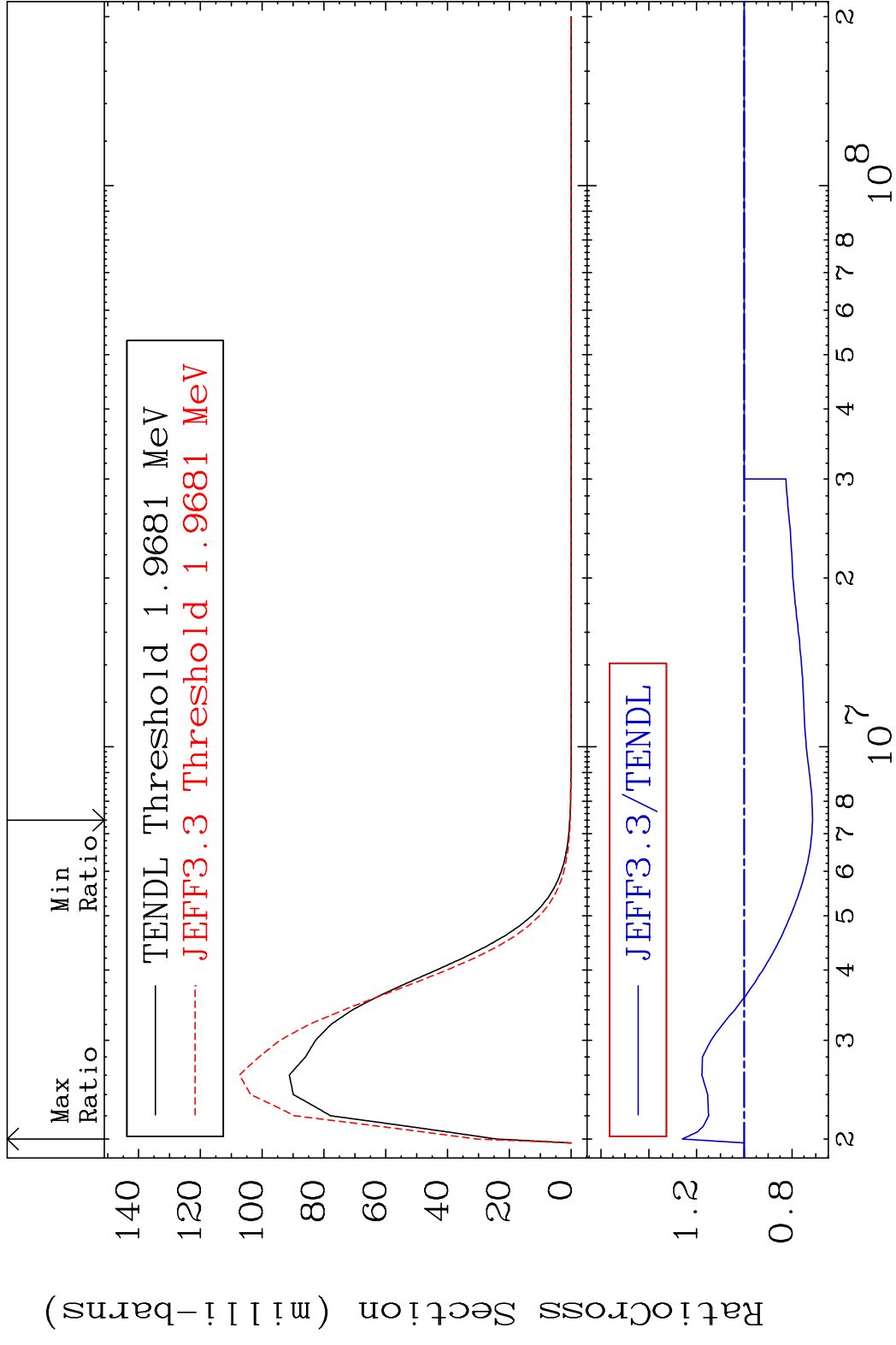
Cross Section -19.47 To 18.32 %



MAT 5231 MT= 59 (n,n') Level 52-Te-122
 Cross Section -100.0 To 27.38 %



MAT 5231 MT= 60 (n,n') Level 52-Te-122
 Cross Section -28.62 To 25.93 %

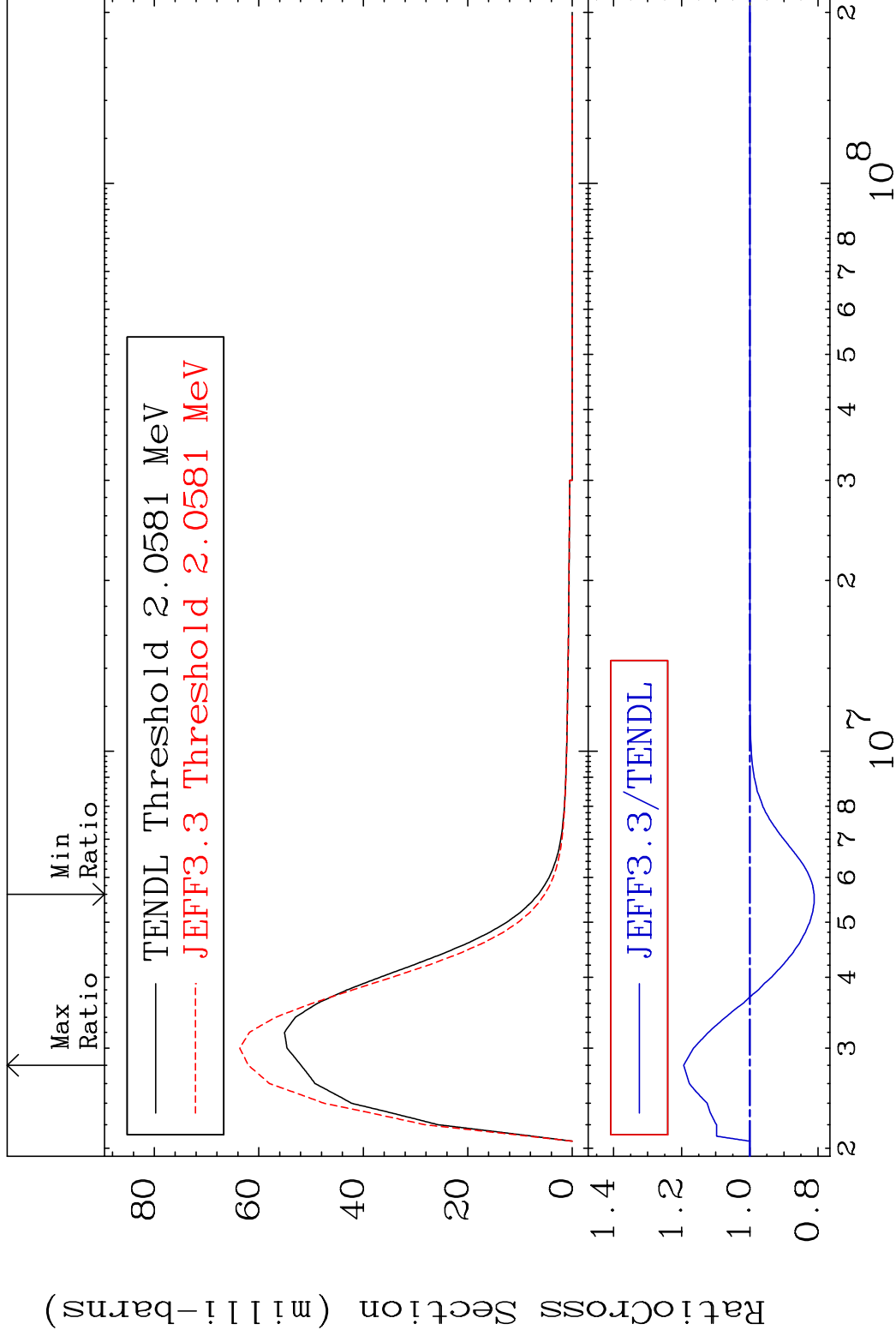


MAT 5231

MT= 61 (n,n') Level

52-Te-122

Cross Section -18.86 To 19.43 %



30

Incident Energy (eV)

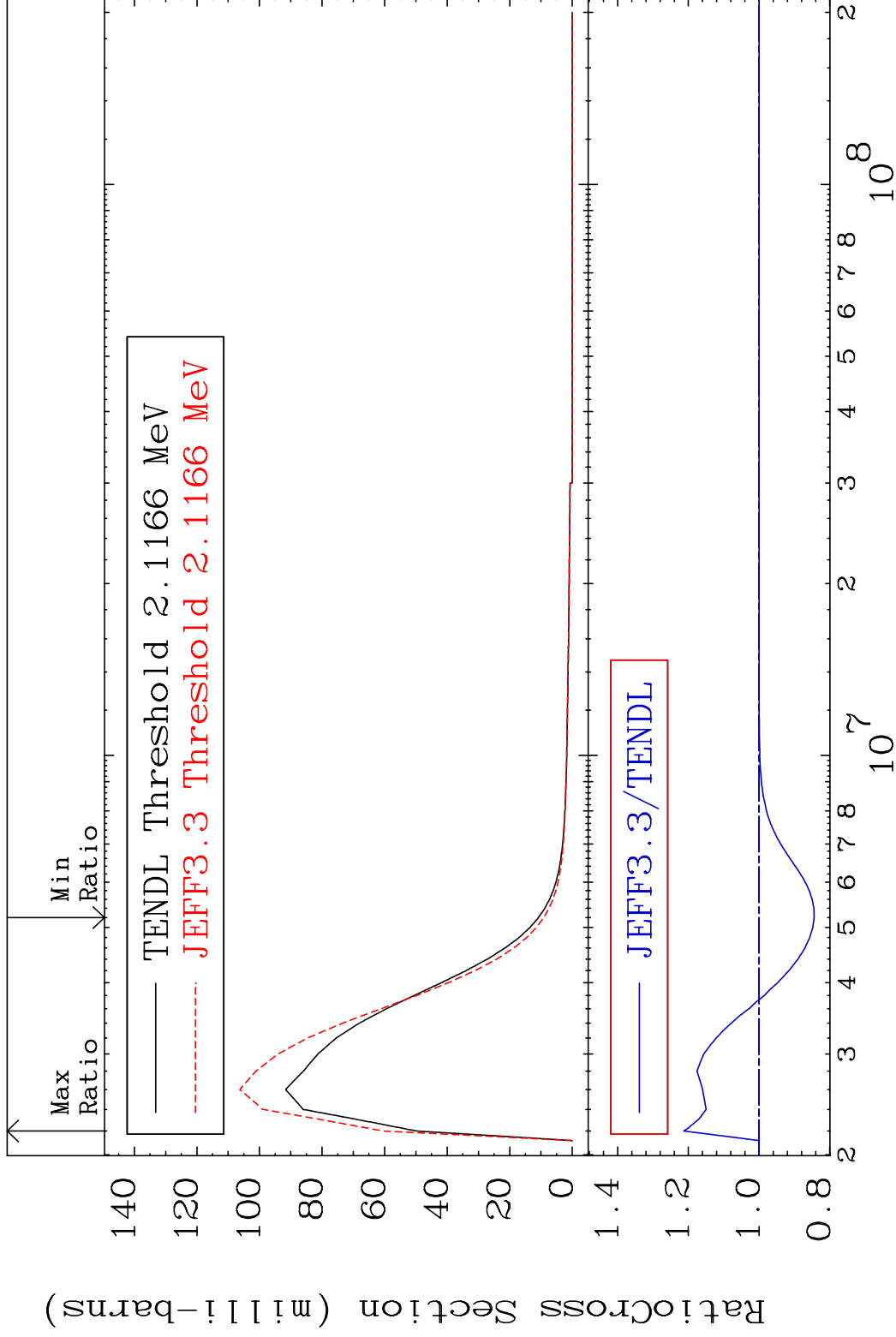
52-Te-122

MAT 5231

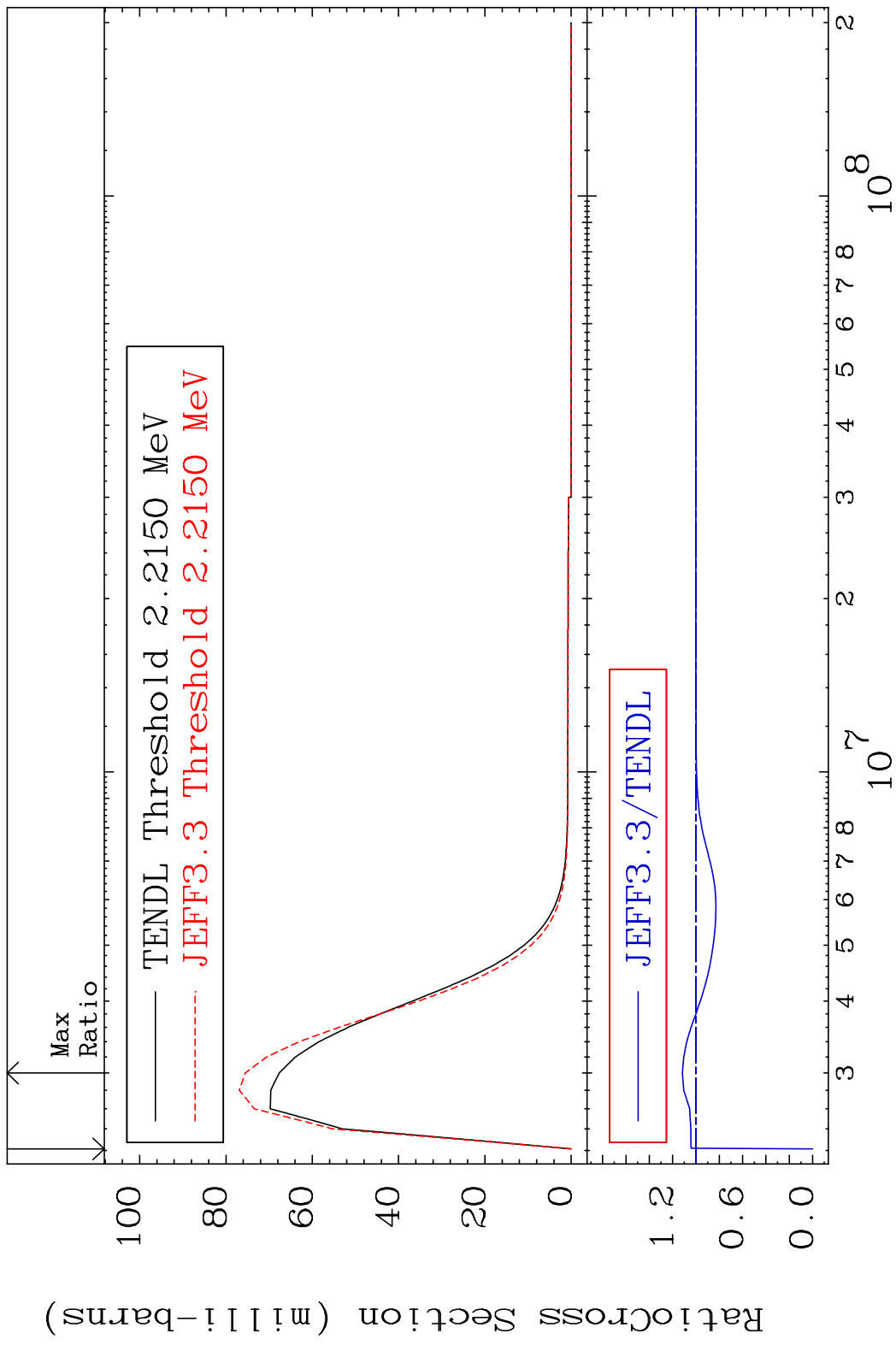
MT= 62 (n,n') Level

52-Te-122

Cross Section -15.56 To 21.33 %



MAT 5231 MT= 63 (n, n') Level 52-Te-122
 Cross Section -100.0 To 11.64 %

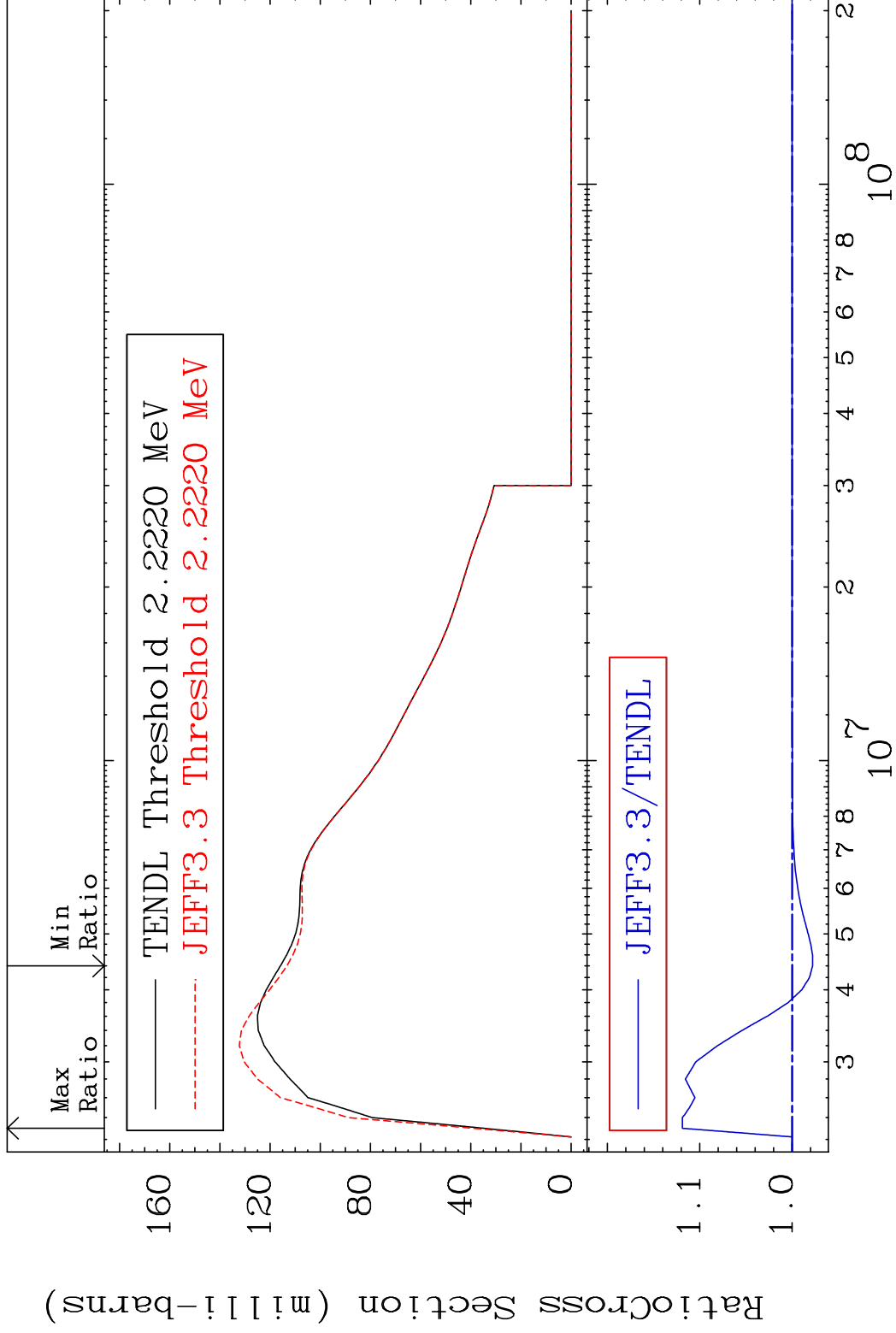


MAT 5231

MT= 64 (n, n') Level

52-Te-122

Cross Section -2.206 To 11.89 %

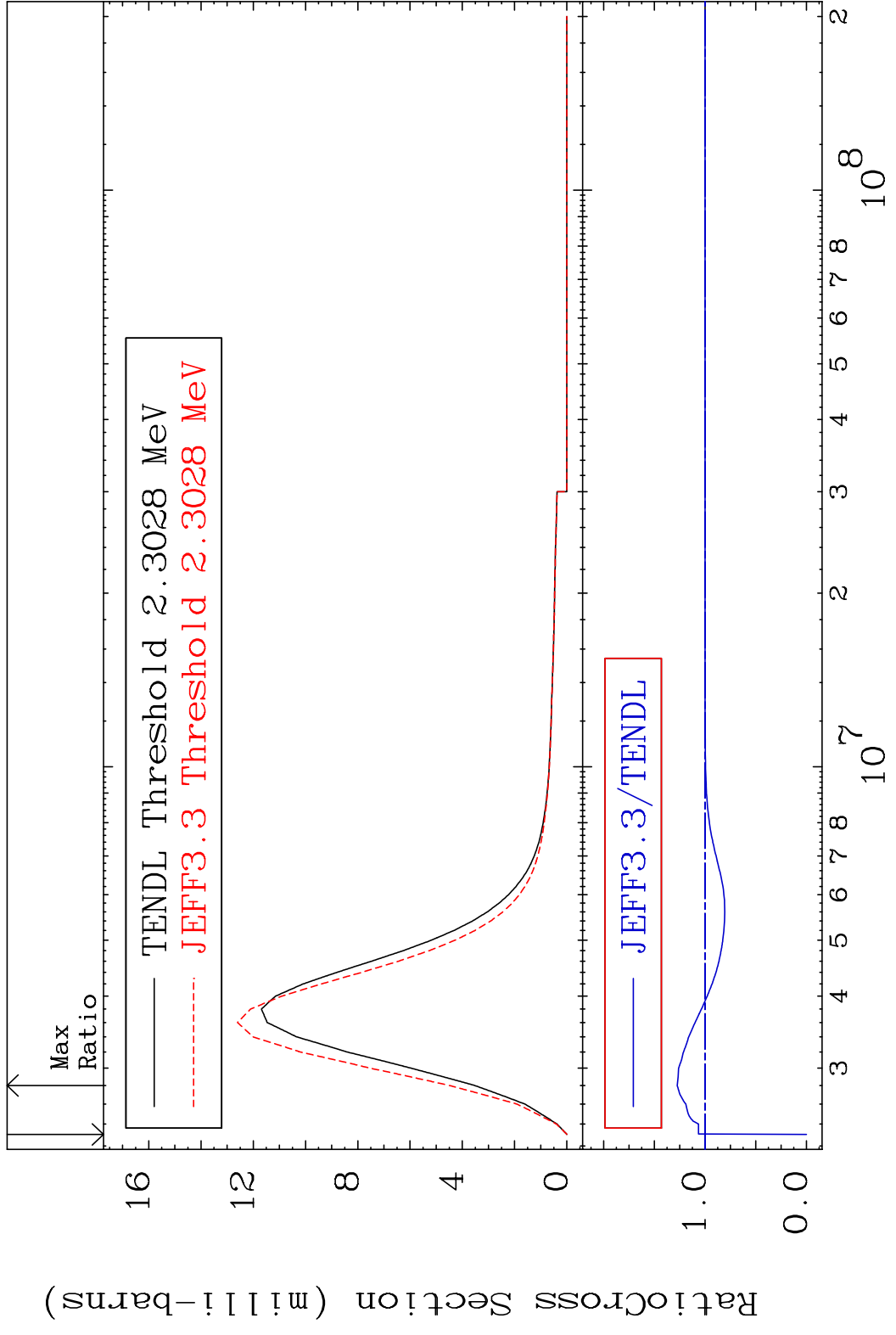


33

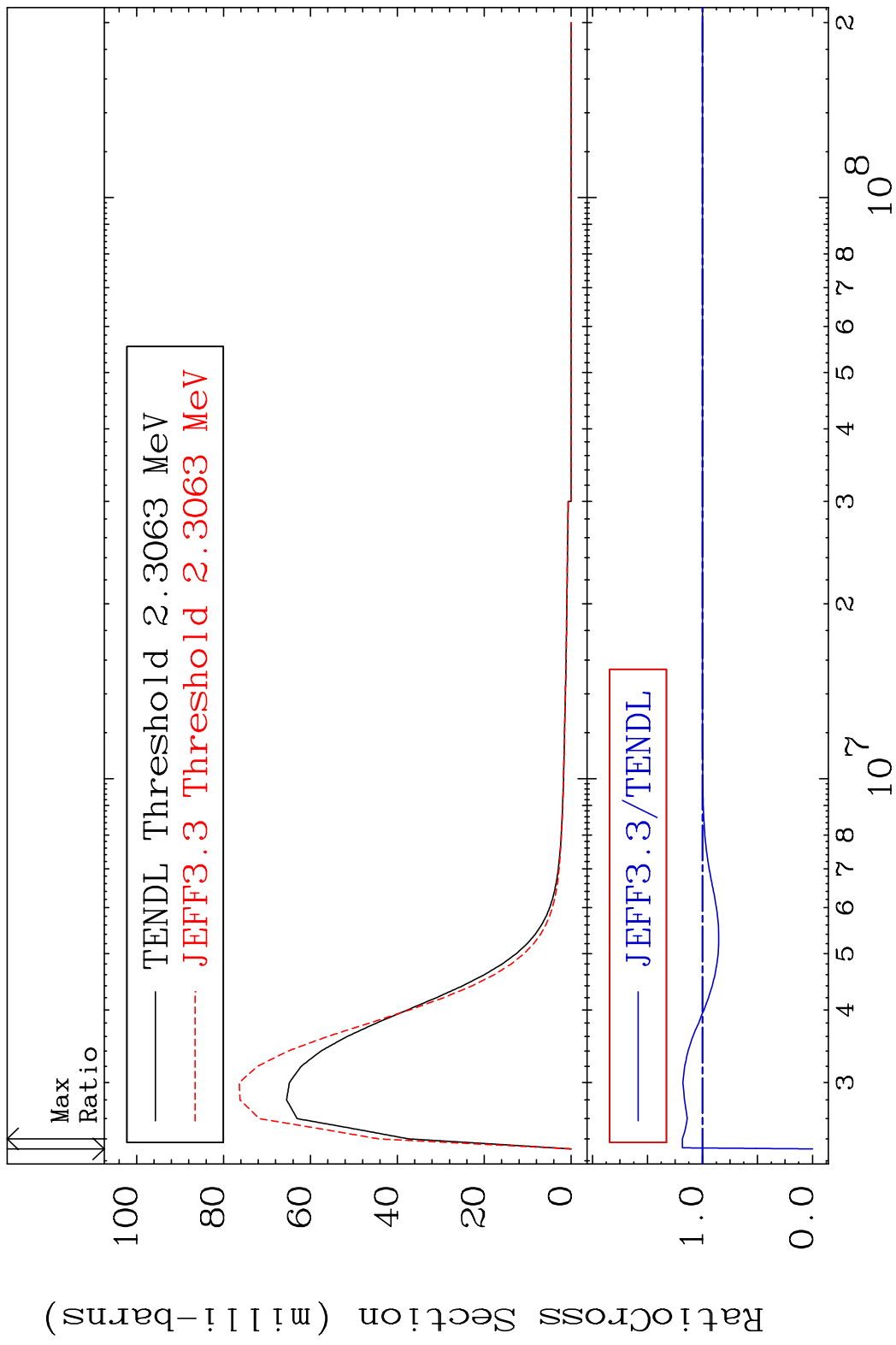
Incident Energy (eV)

52-Te-122

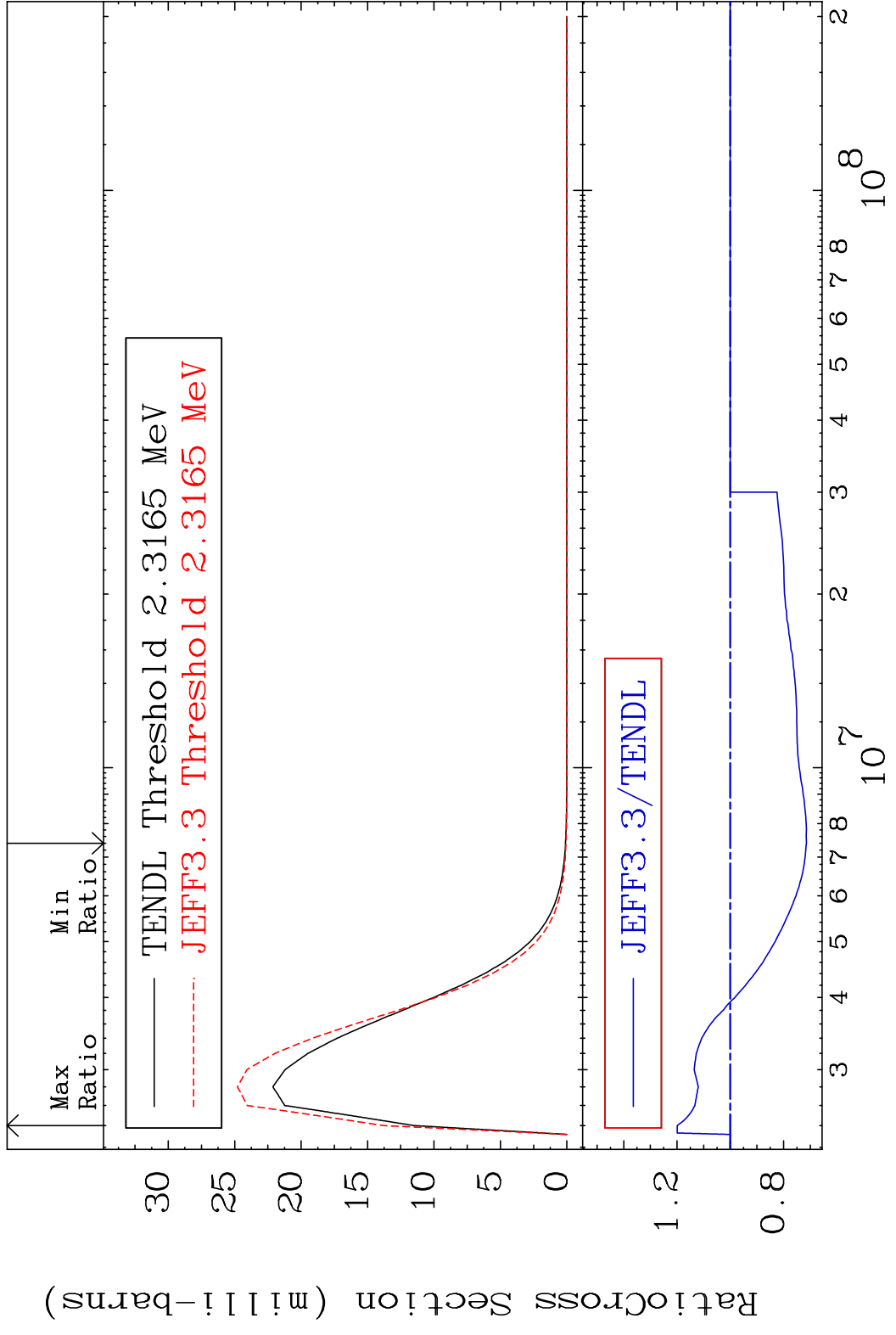
MAT 5231 MT= 65 (n,n') Level 52-Te-122
 Cross Section -100.0 To 27.50 %



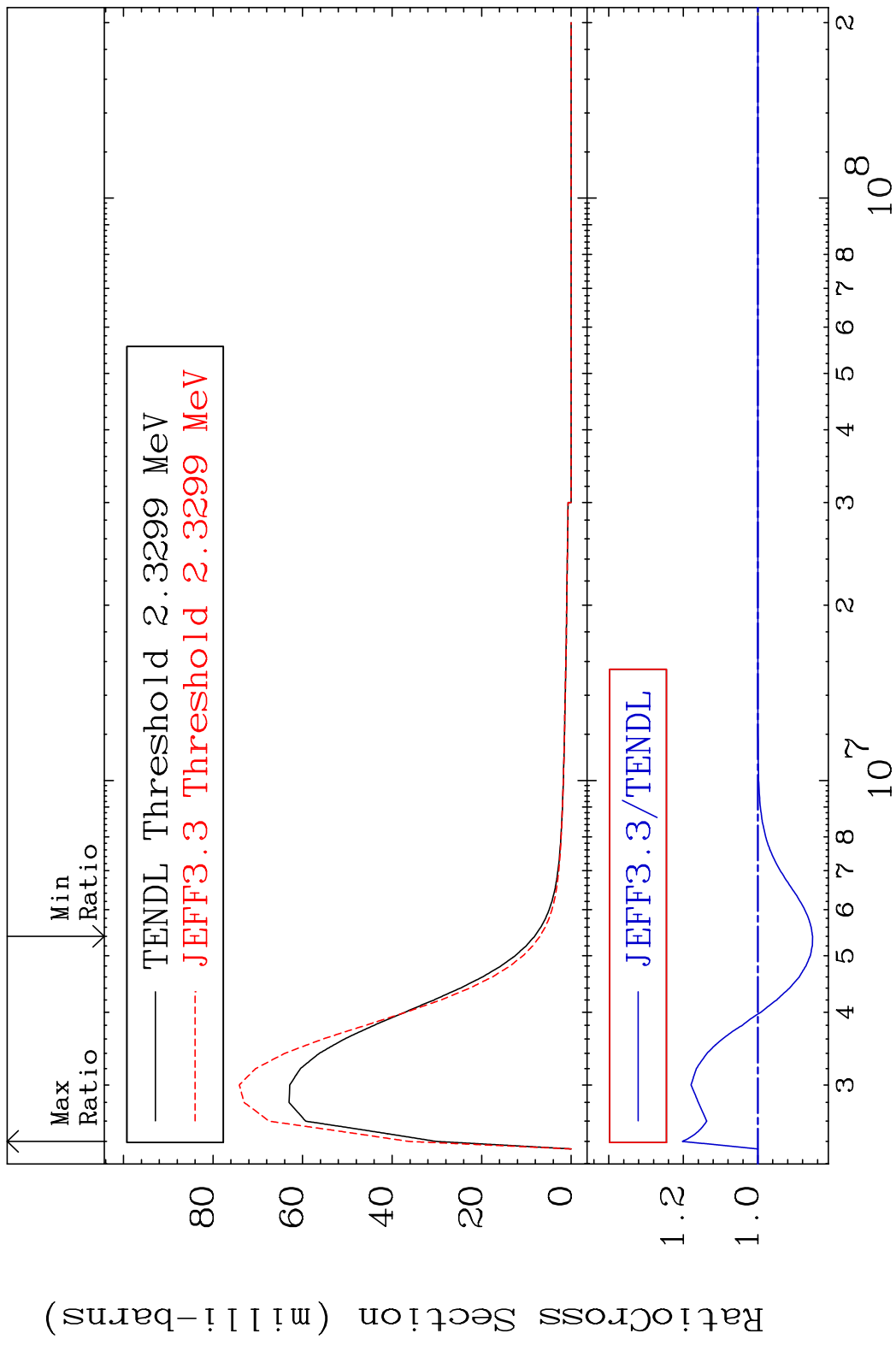
MAT 5231 MT= 66 (n,n') Level 52-Te-122
 Cross Section -100.0 To 18.31 %



MAT 5231 MT= 67 (n,n') Level 52-Te-122
 Cross Section -28.58 To 19.92 %



MAT 5231 MT= 68 (n, n') Level 52-Te-122
 Cross Section -14.67 To 20.27 %

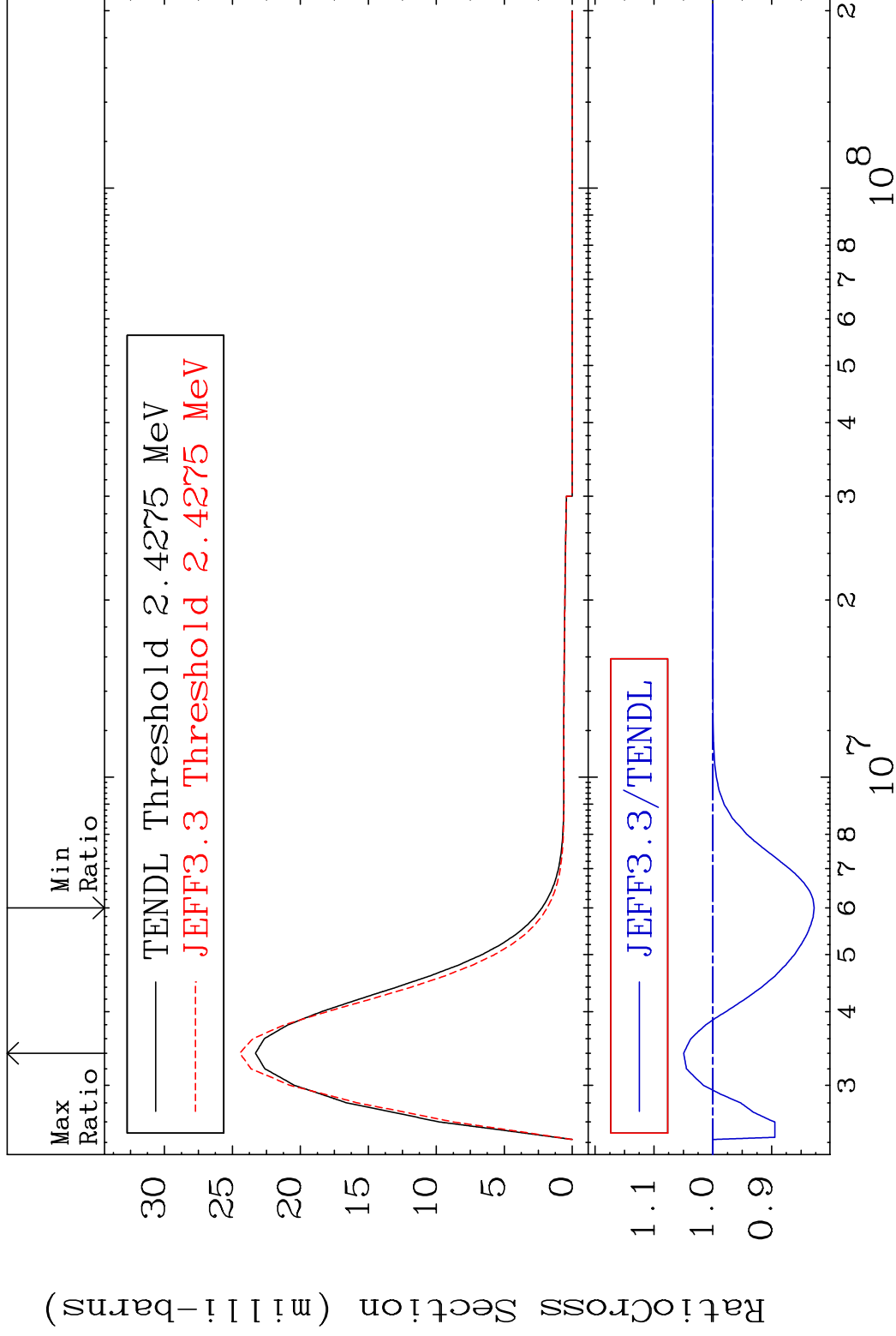


MAT 5231

MT= 69 (n, n') Level

52-Te-122

Cross Section -17.21 To 4.951 %

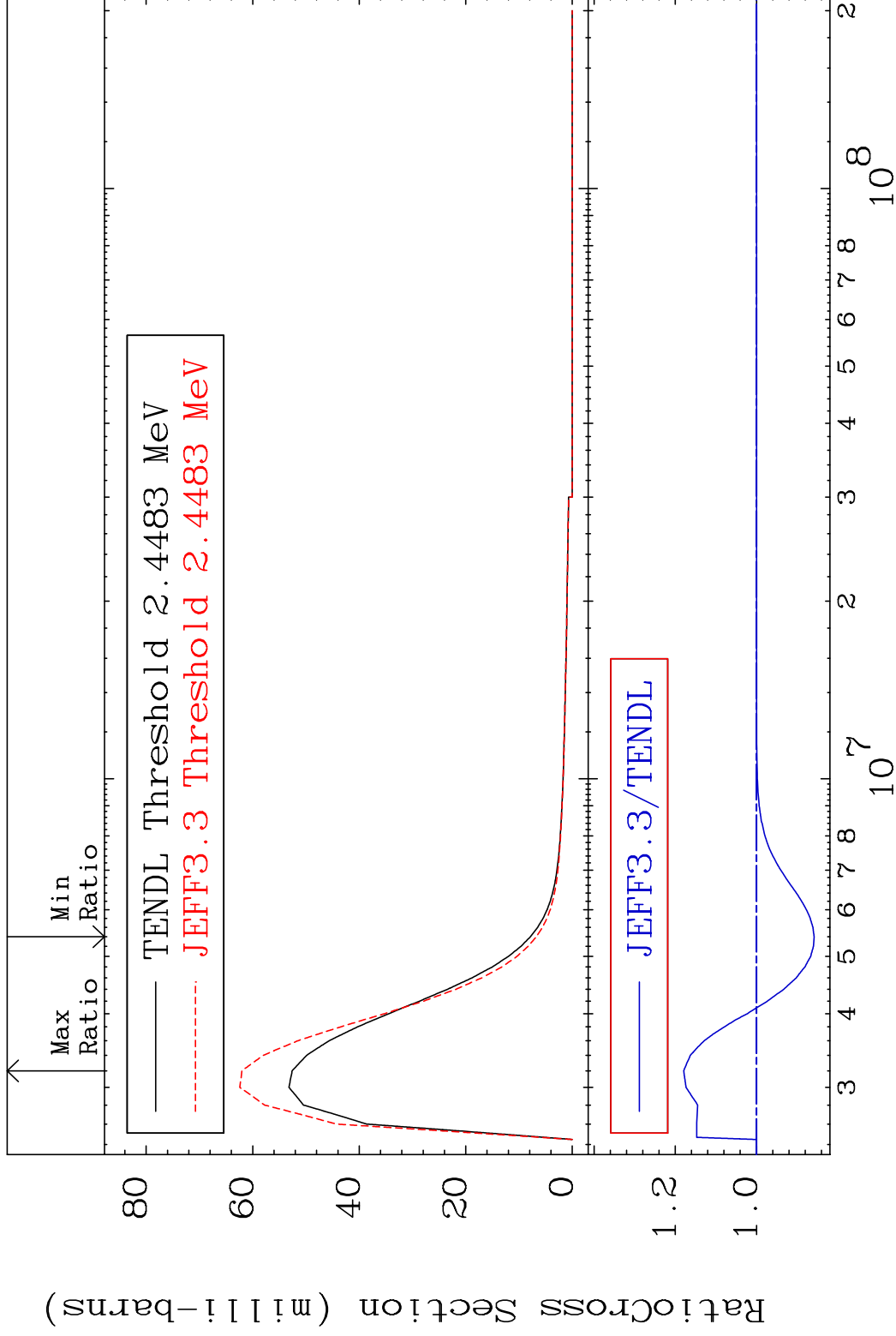


MAT 5231

MT= 70 (n,n') Level

52-Te-122

Cross Section -14.19 To 17.93 %



39

Incident Energy (eV)

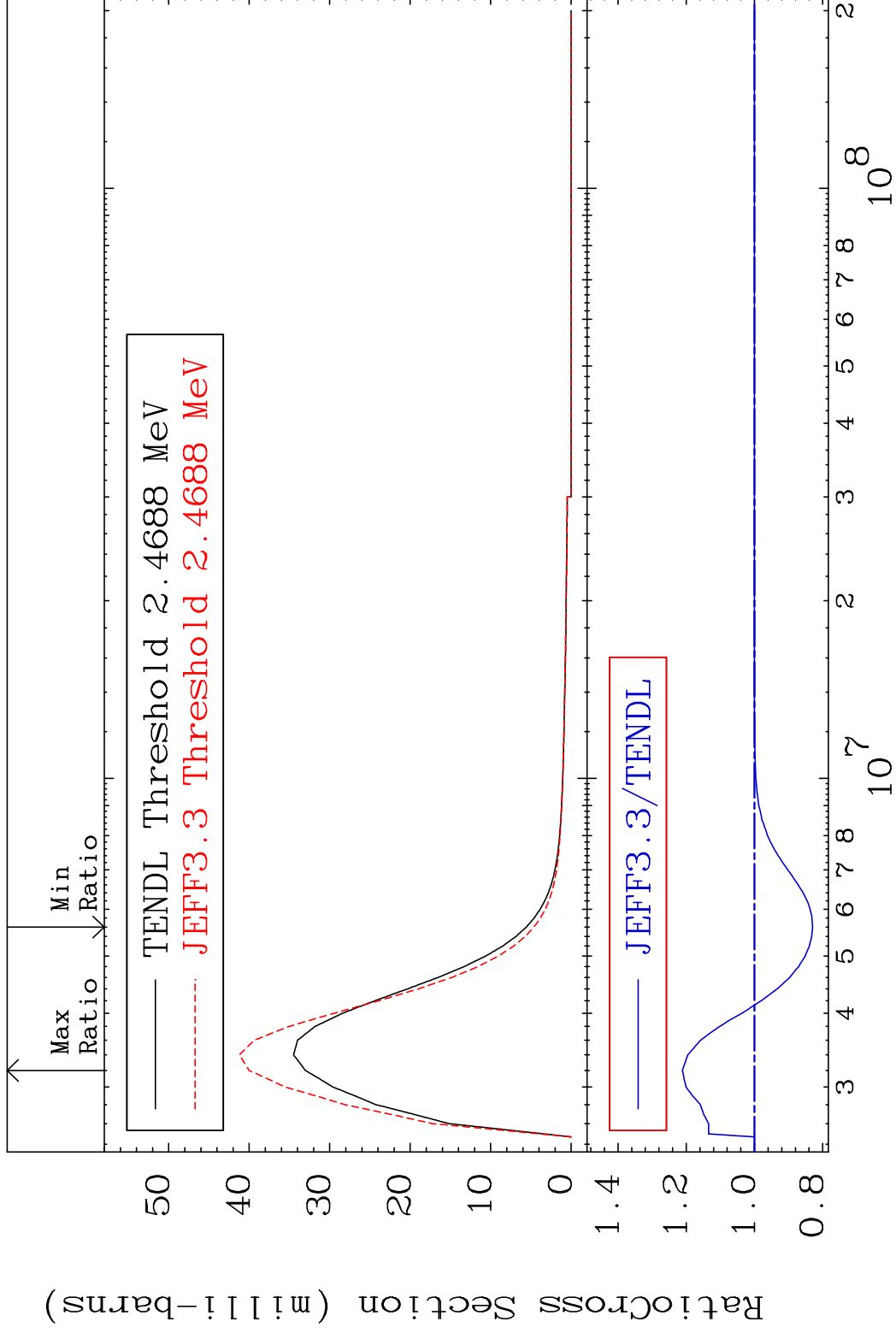
52-Te-122

MAT 5231

MT= 71 (n, n') Level

52-Te-122

Cross Section -17.02 To 21.14 %

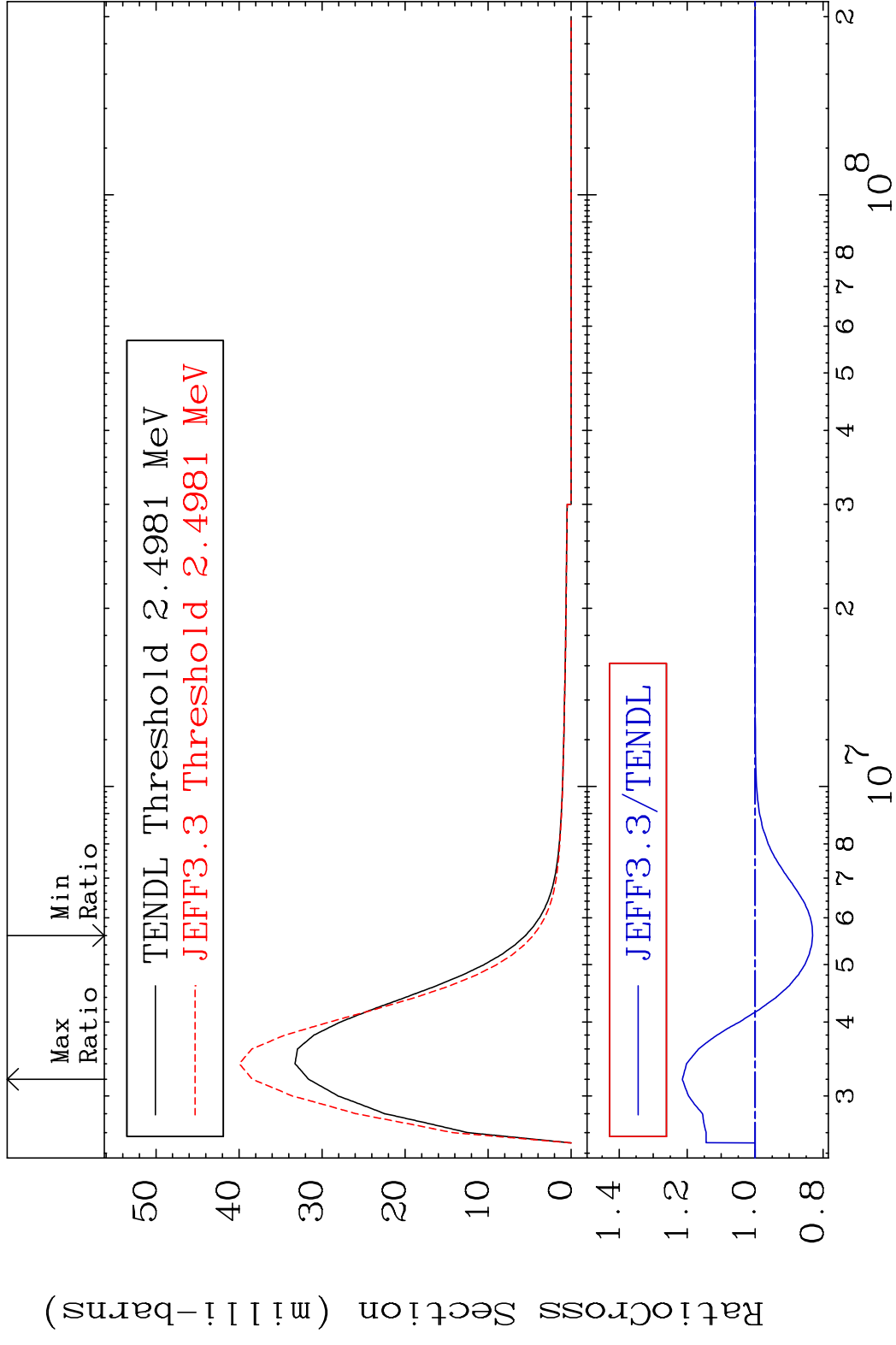


40

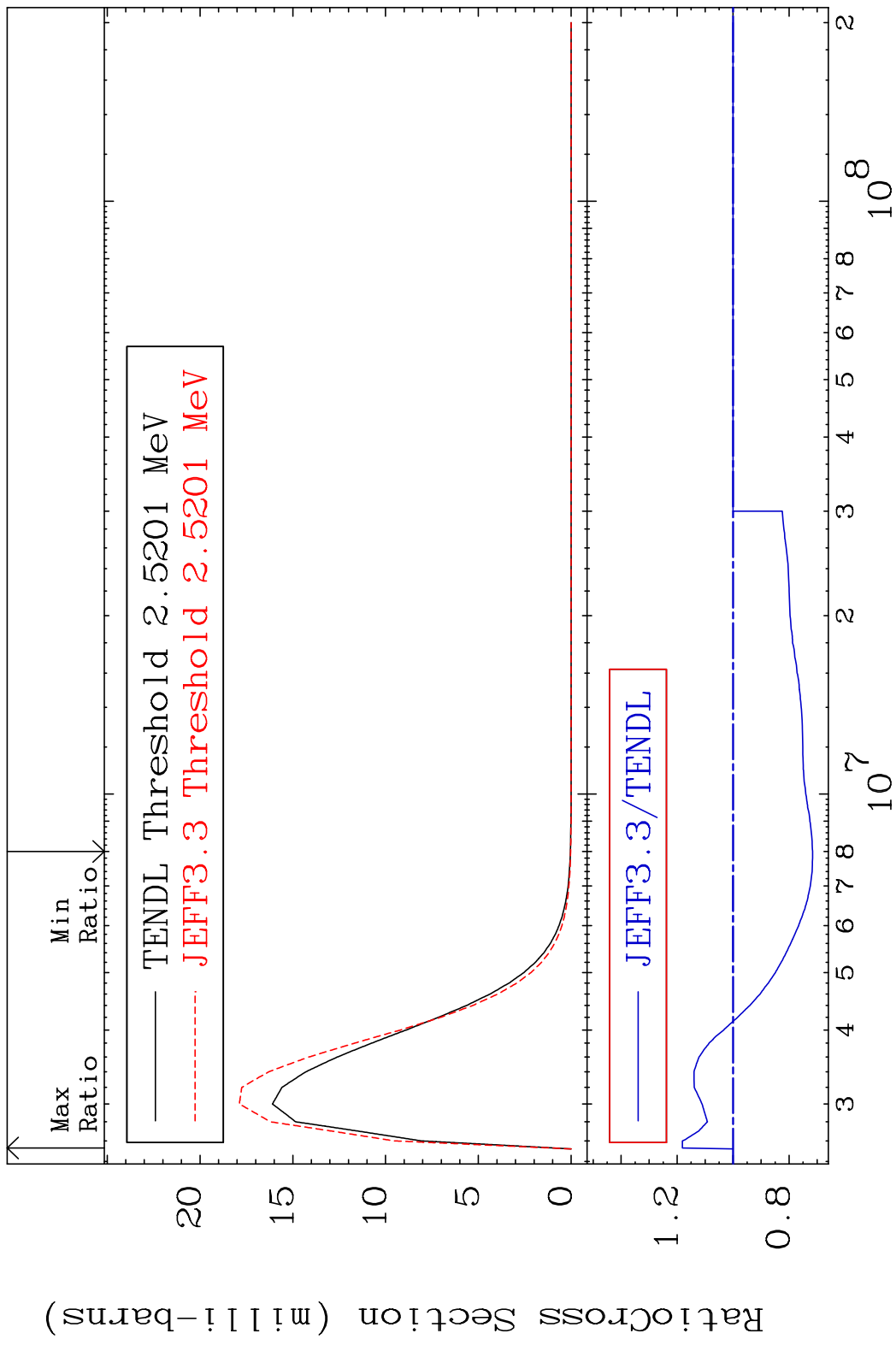
Incident Energy (eV)

52-Te-122

MAT 5231 MT= 72 (n, n') Level 52-Te-122
 Cross Section -16.89 To 21.42 %

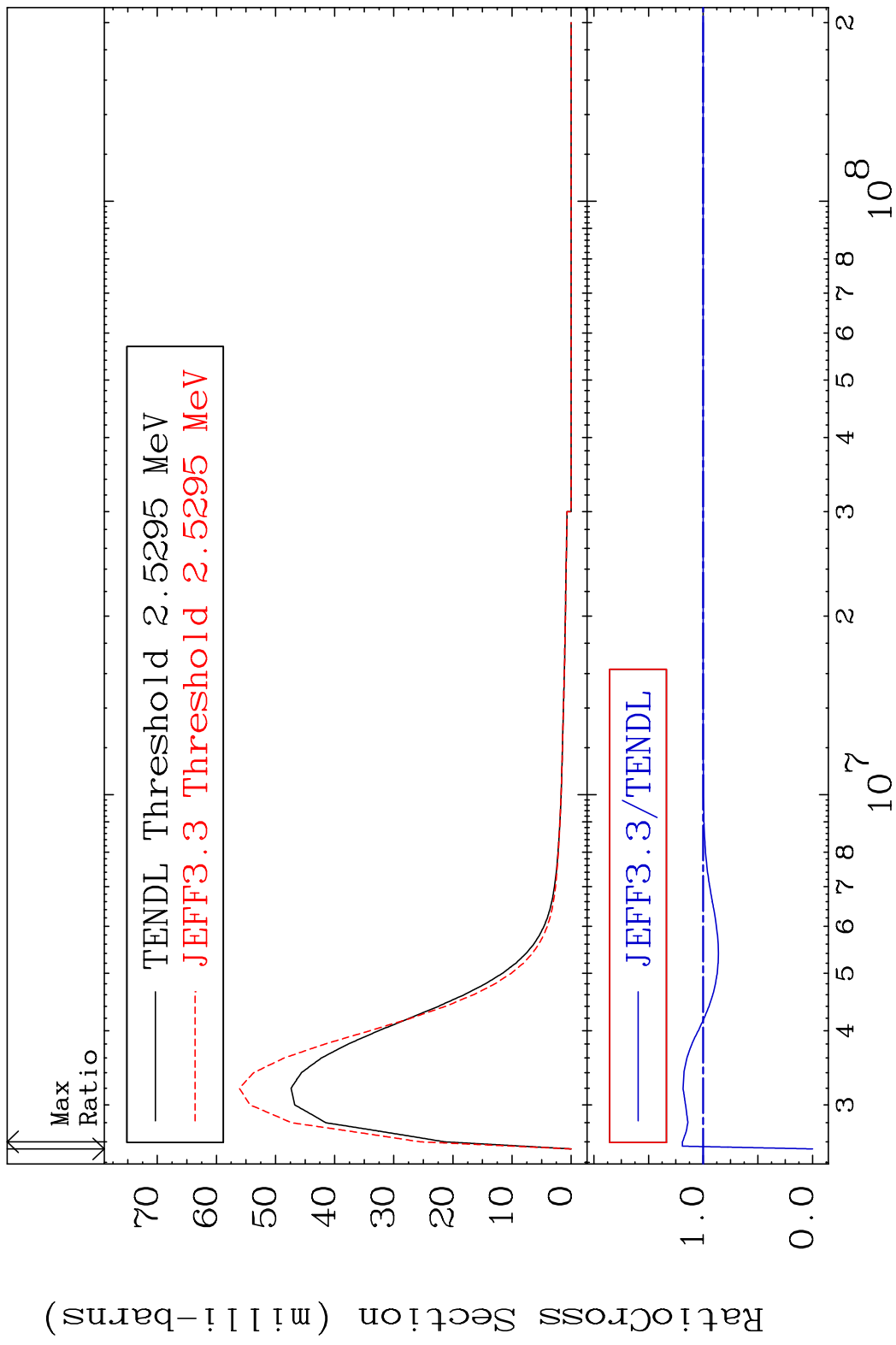


MAT 5231 MT= 73 (n, n') Level 52-Te-122
 Cross Section -28.38 To 18.13 %



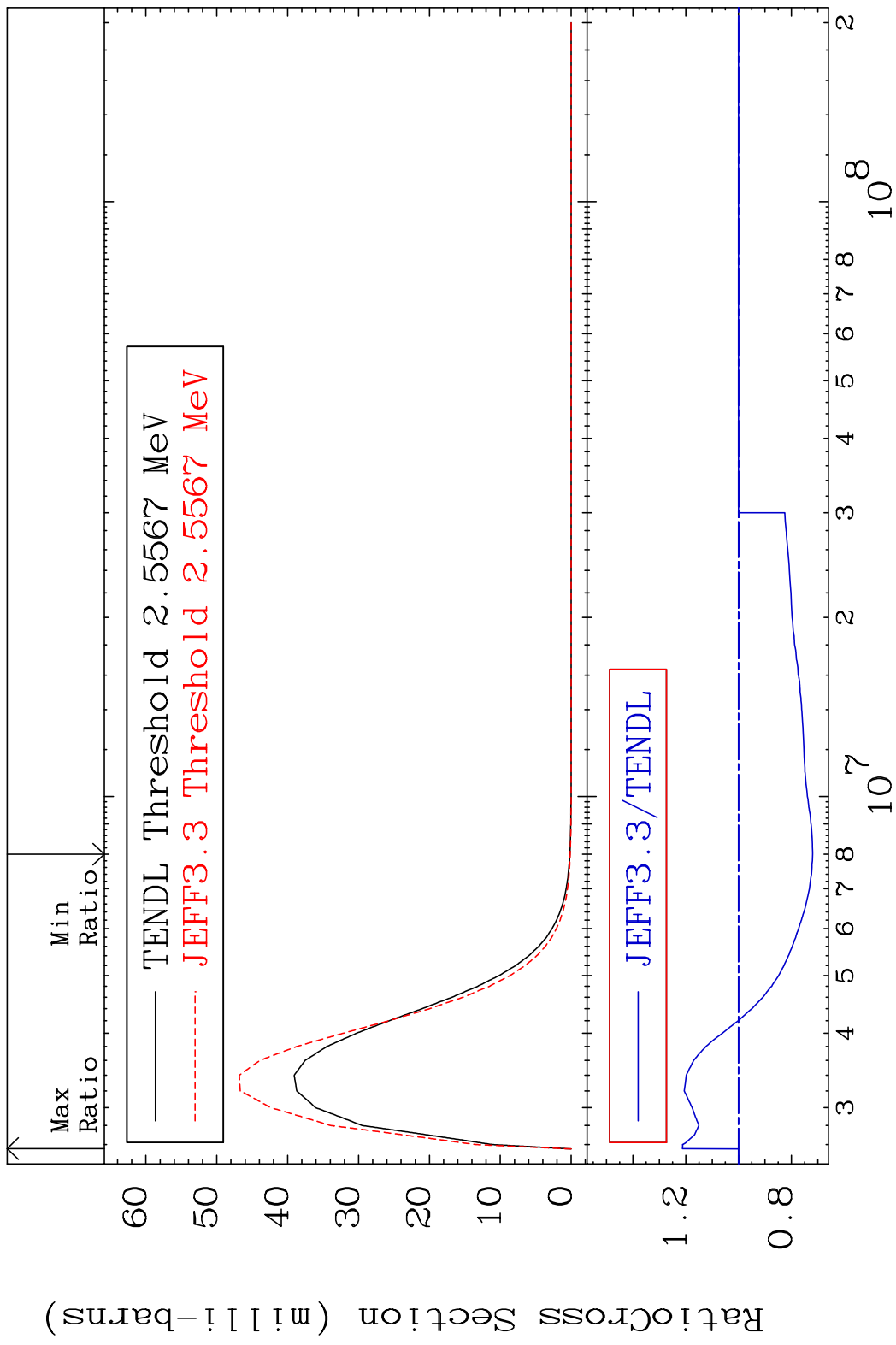
42 52-Te-122

MAT 5231 MT= 74 (n,n') Level 52-Te-122
 Cross Section -100.0 To 19.07 %

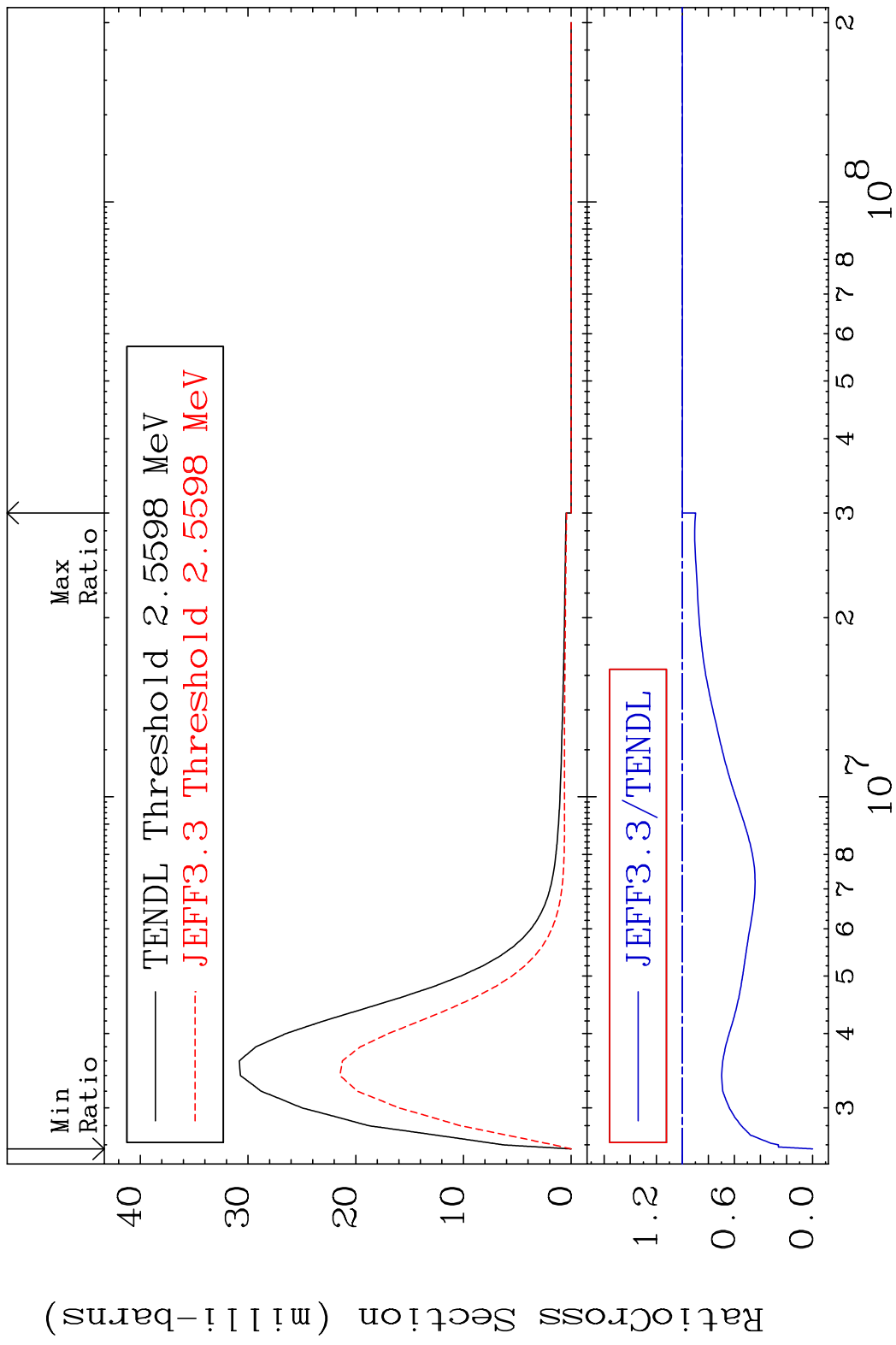


43 52-Te-122

MAT 5231 MT= 75 (n,n') Level 52-Te-122
 Cross Section -28.02 To 21.29 %



MAT 5231 MT= 76 (n, n') Level 52-Te-122
 Cross Section -100.0 To 0.000 %



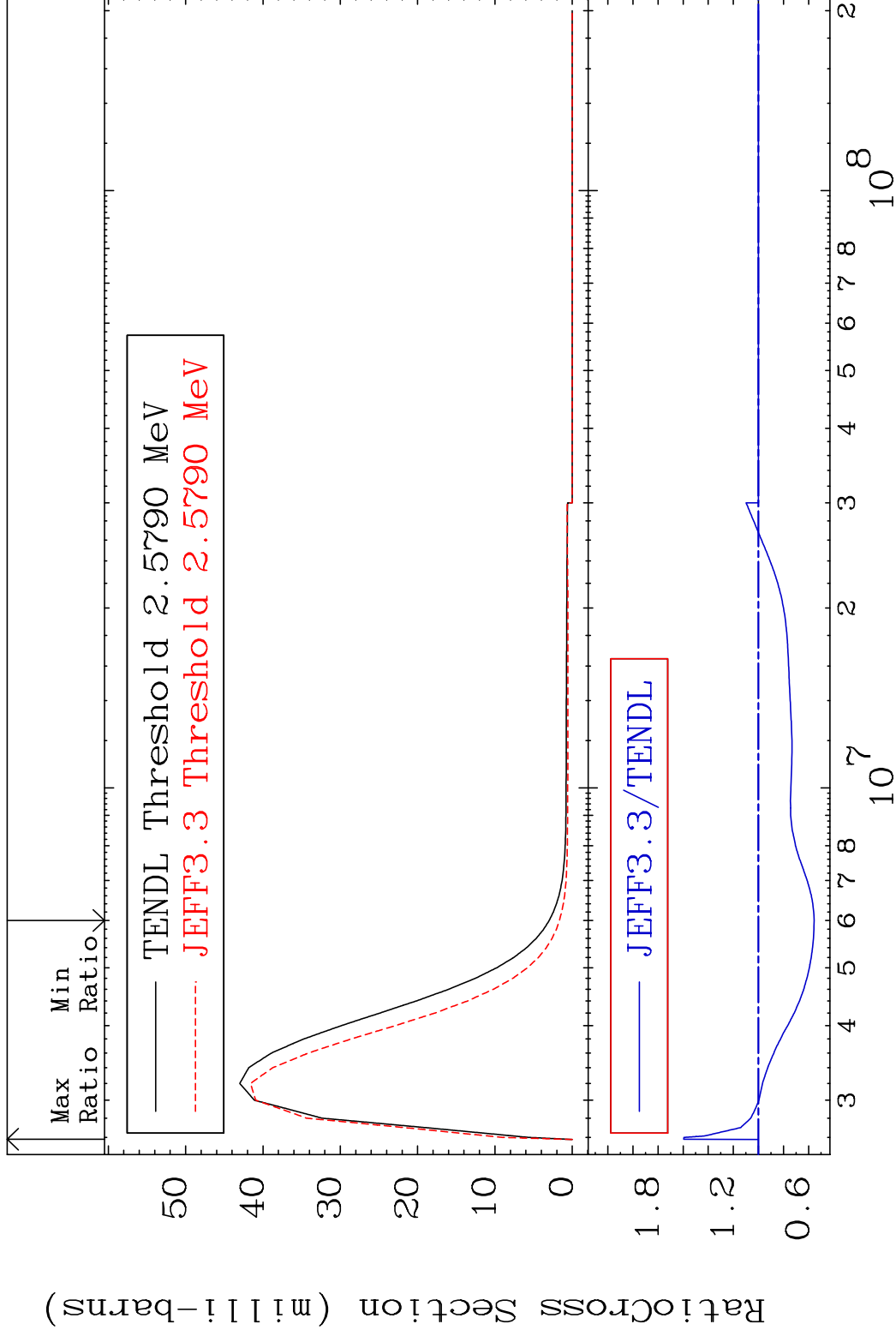
45 Incident Energy (eV) 52-Te-122

MAT 5231

MT= 77 (n, n') Level

52-Te-122

Cross Section -44.42 To 59.57 %

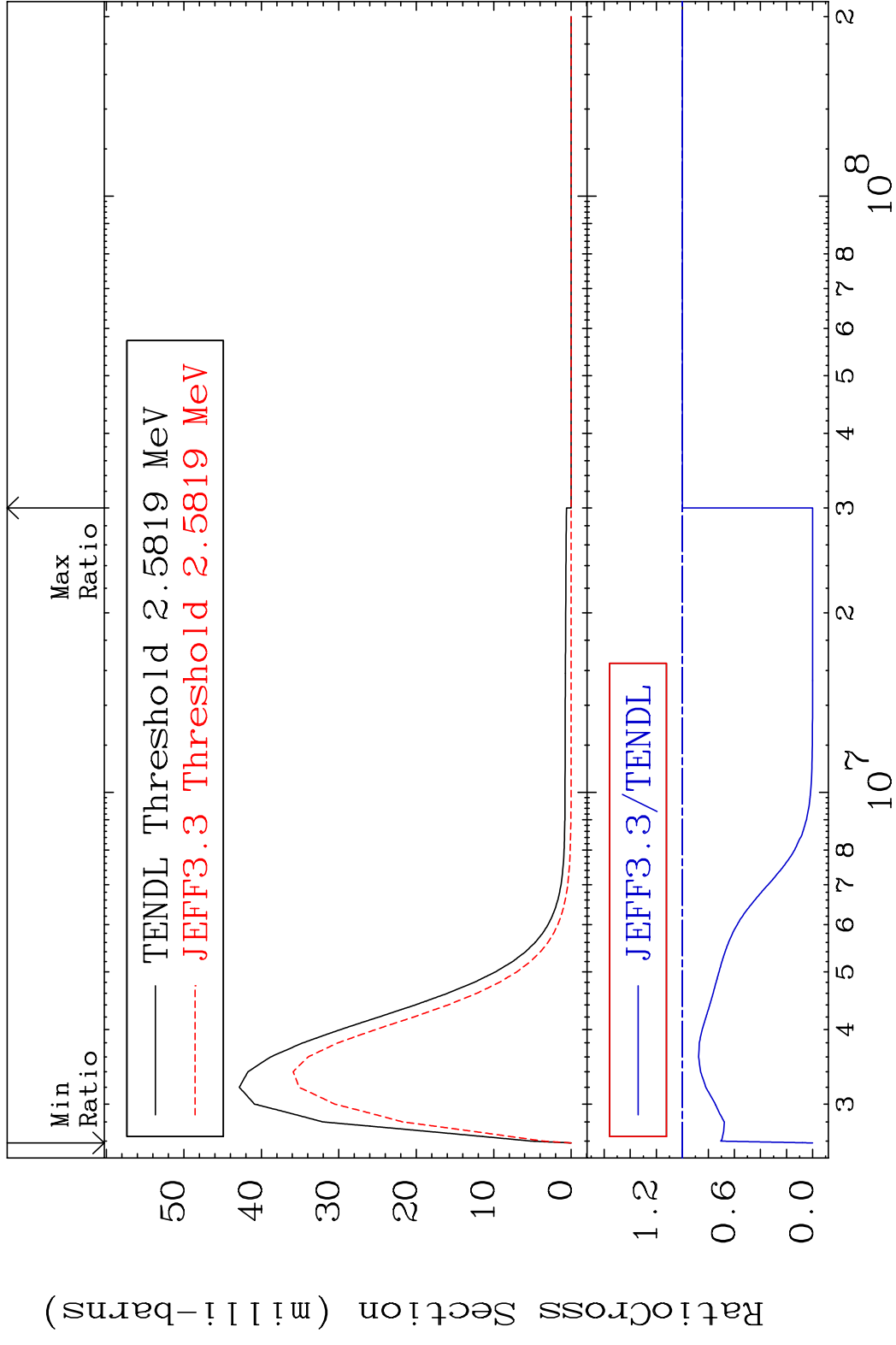


46

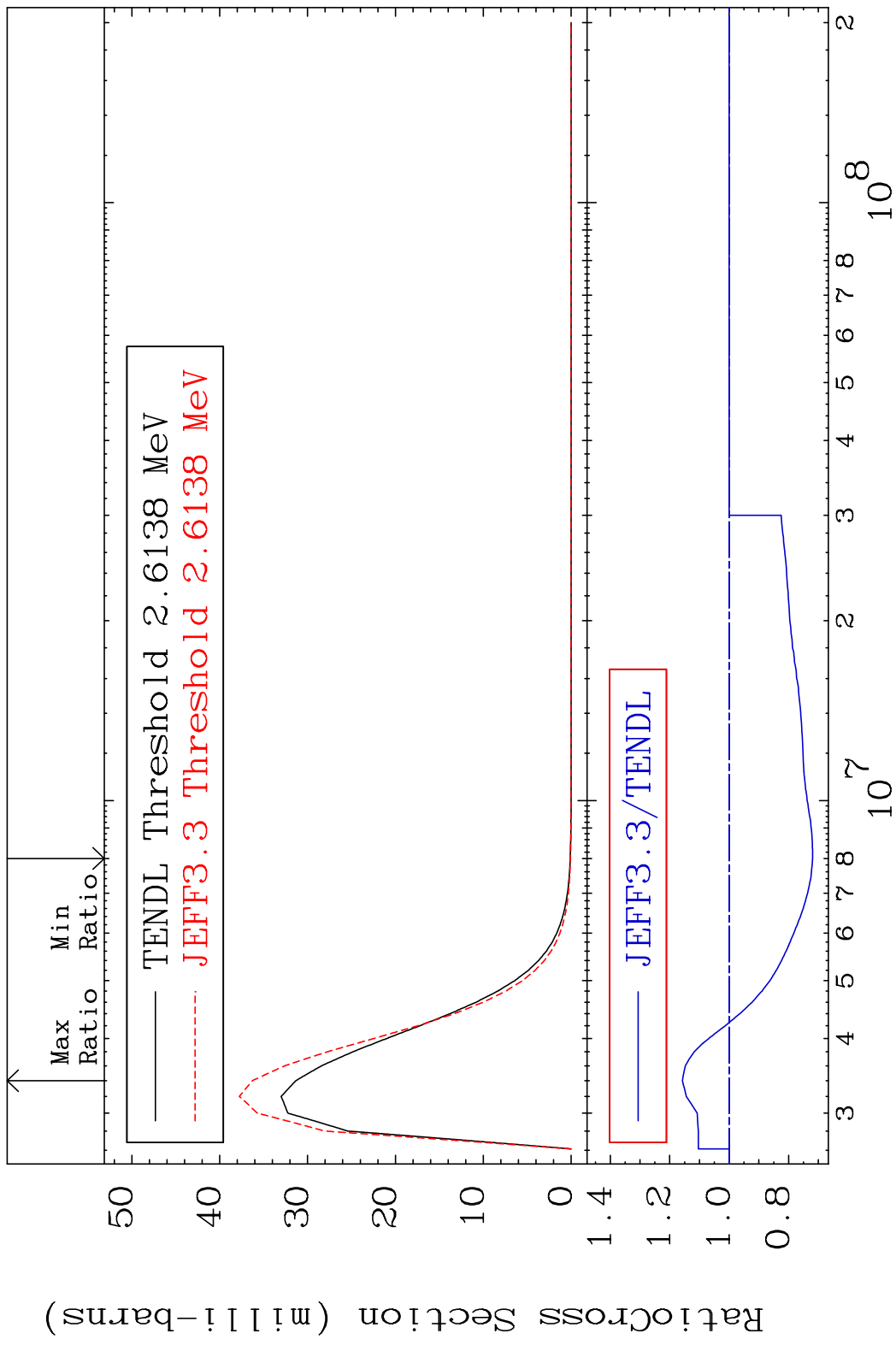
Incident Energy (eV)

52-Te-122

MAT 5231 MT= 78 (n, n') Level 52-Te-122
 Cross Section -100.0 To 0.000 %



MAT 5231 MT= 79 (n, n') Level 52-Te-122
 Cross Section -28.05 To 15.75 %

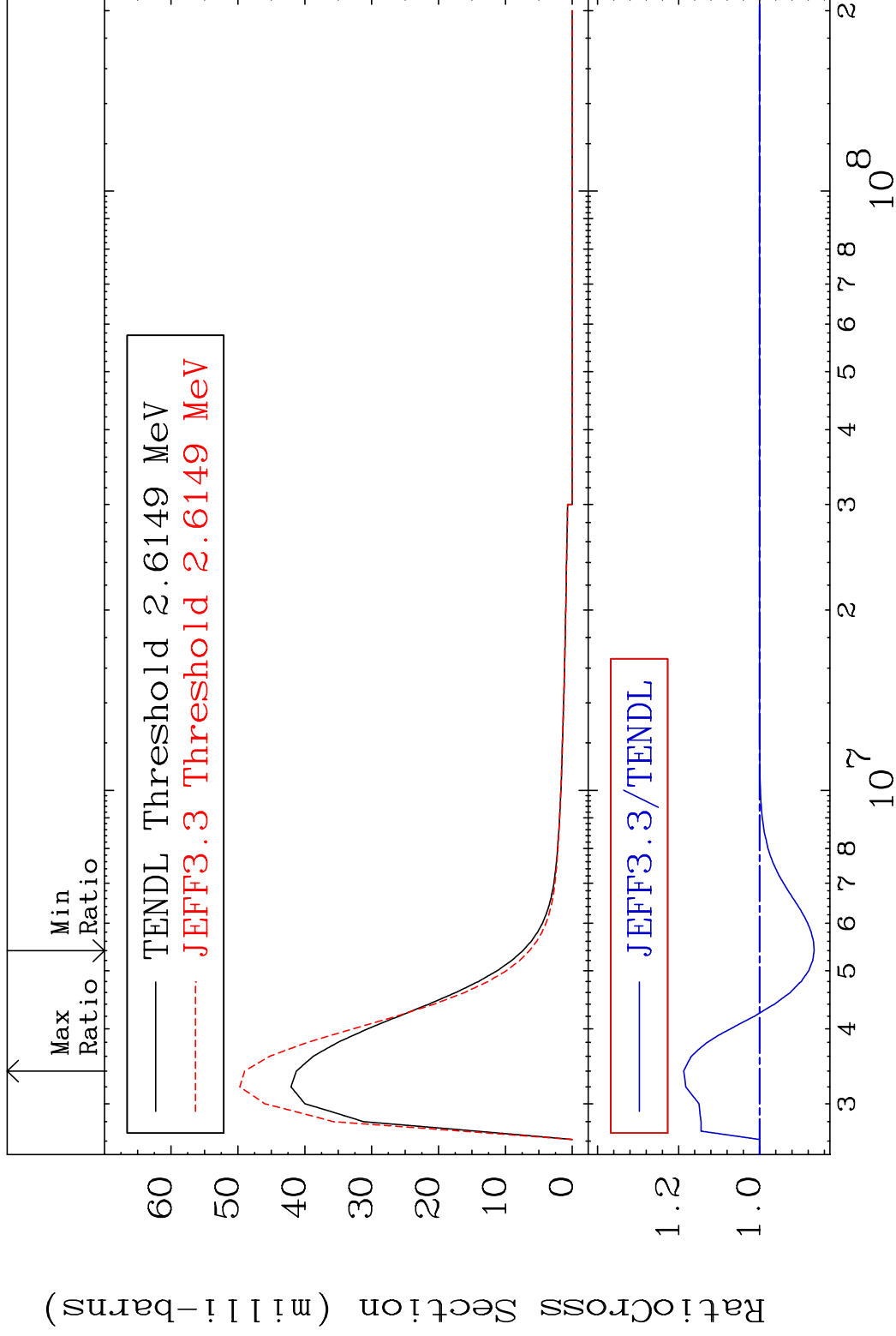


MAT 5231

MT= 80 (n, n') Level

52-Te-122

Cross Section -13.47 To 18.74 %



49

Incident Energy (eV)

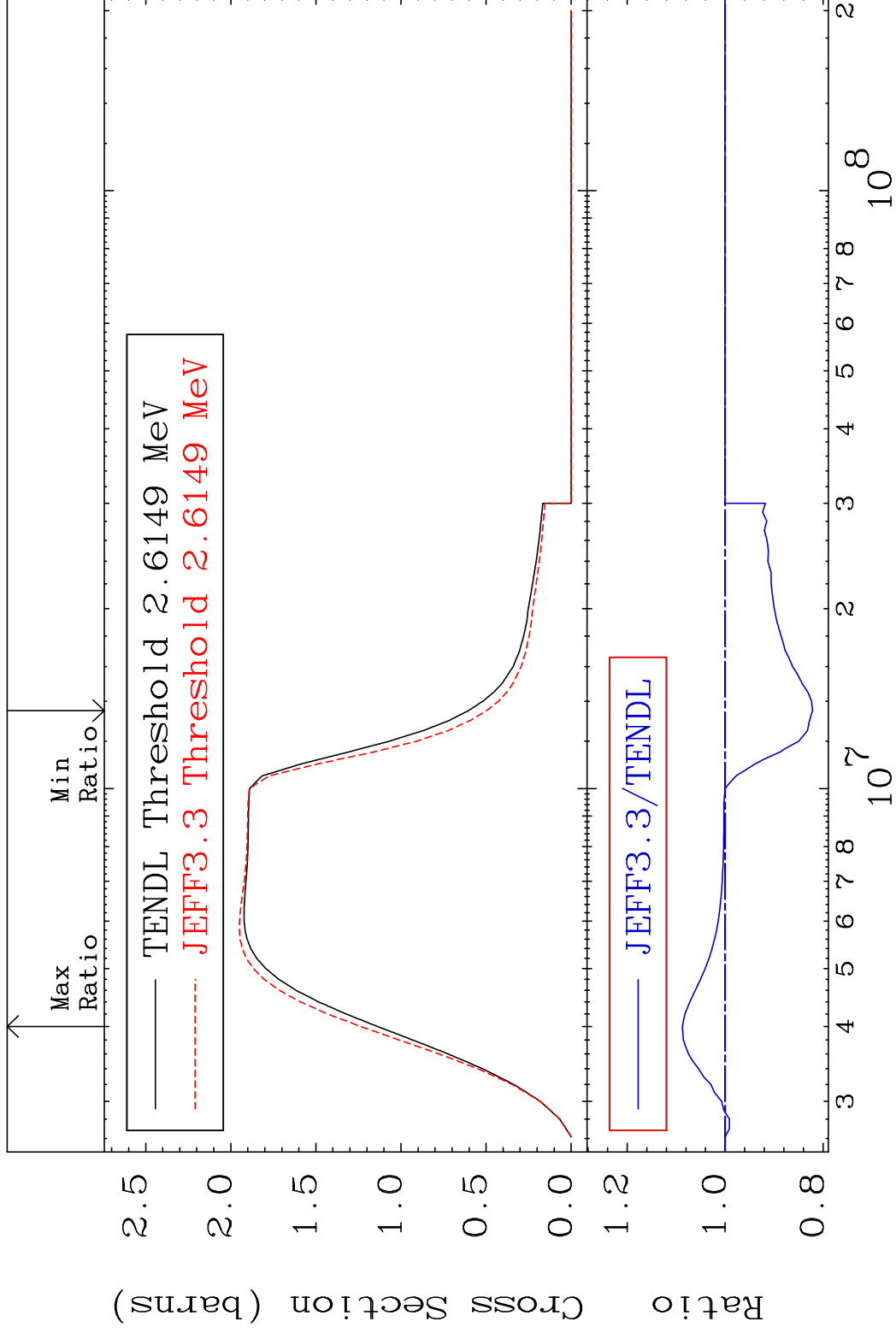
52-Te-122

MAT 5231

(n, n') Continuum

52-Te-122

Cross Section -17.83 To 8.729 %



50

Incident Energy (eV)

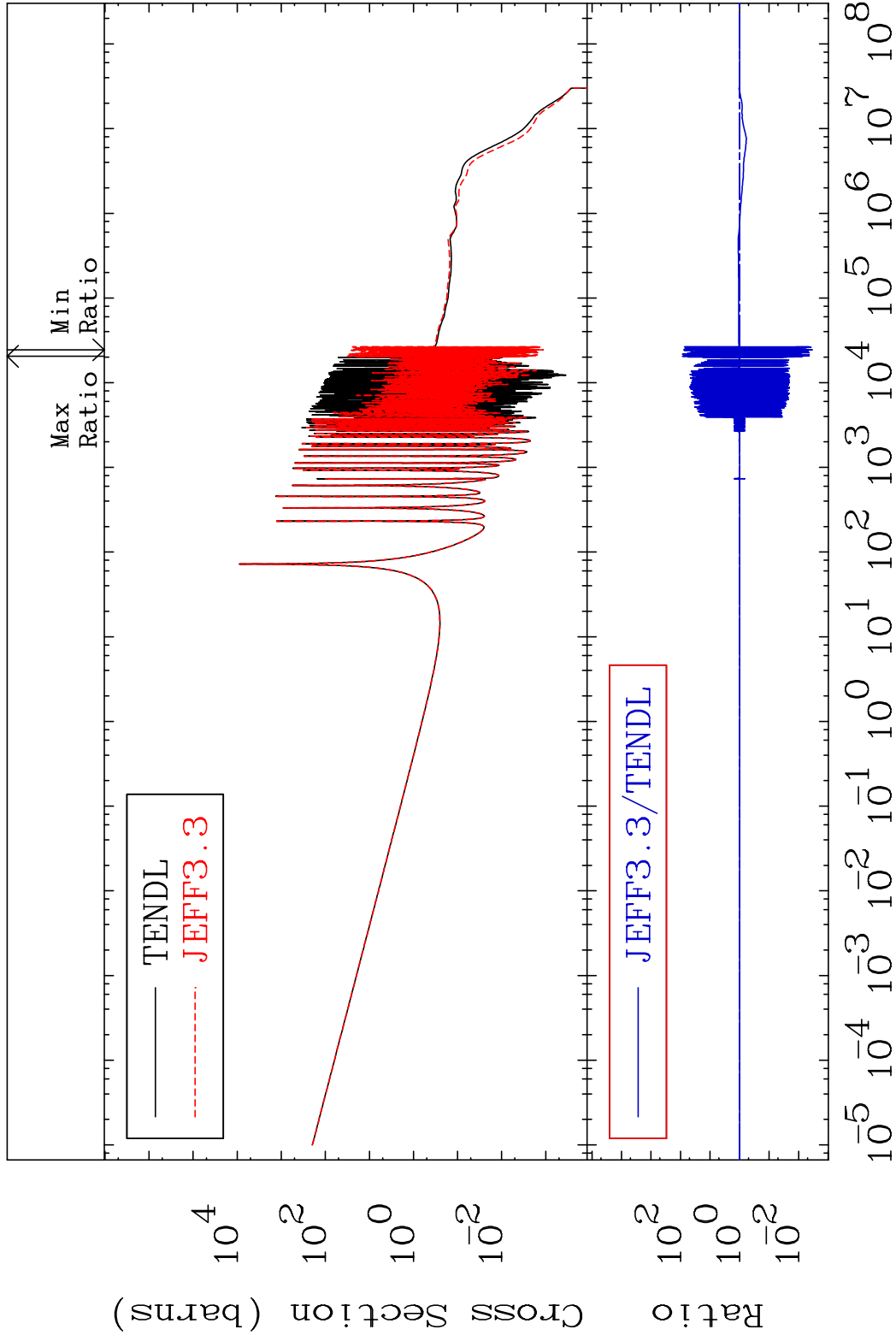
52-Te-122

MAT 5231

(n, γ)

52-Te-122

Cross Section -99.66 To 8588. %



51

Incident Energy (eV)

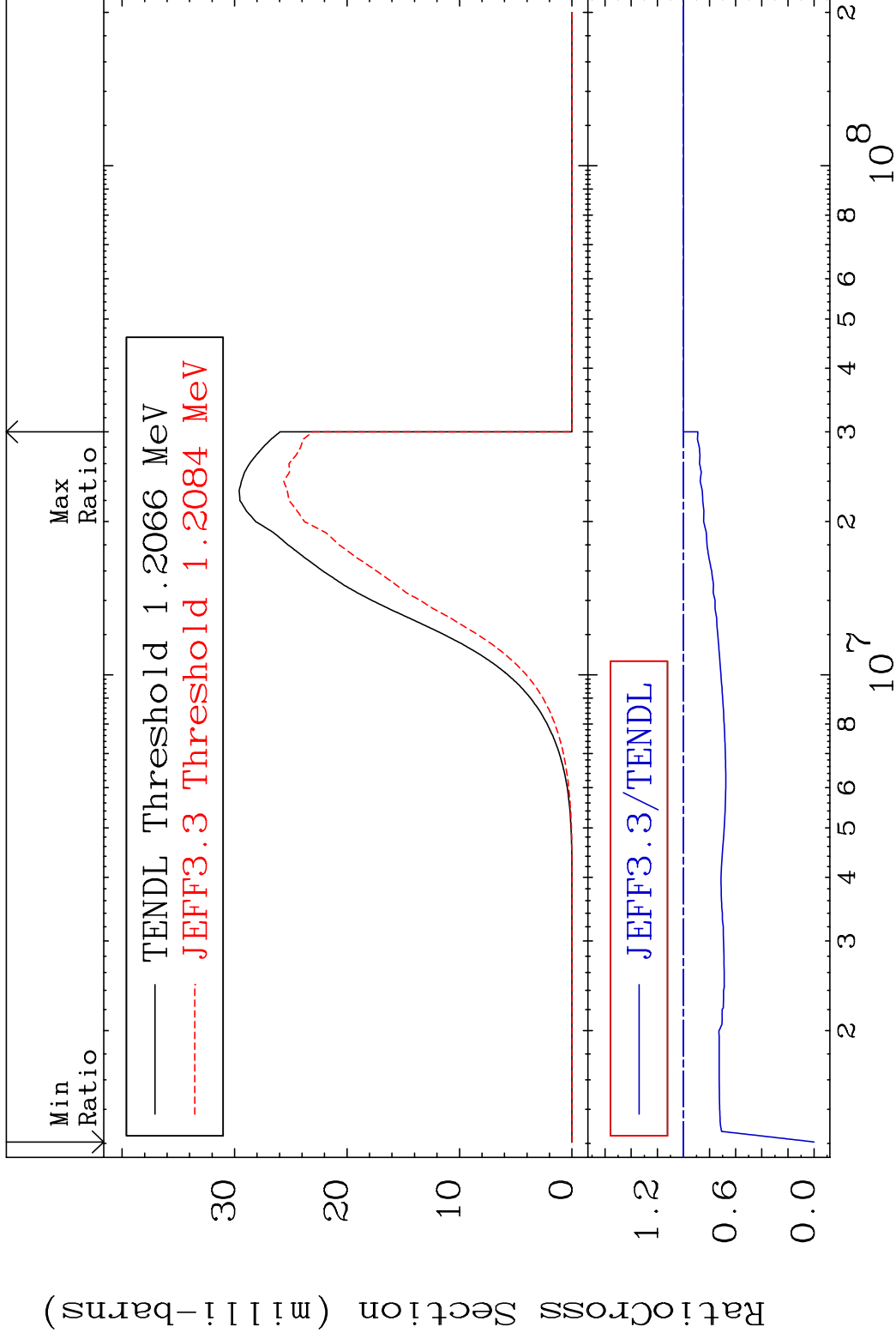
52-Te-122

MAT 5231

(n,p)

52-Te-122

Cross Section -100.0 To 0.000 %



52

Incident Energy (eV)

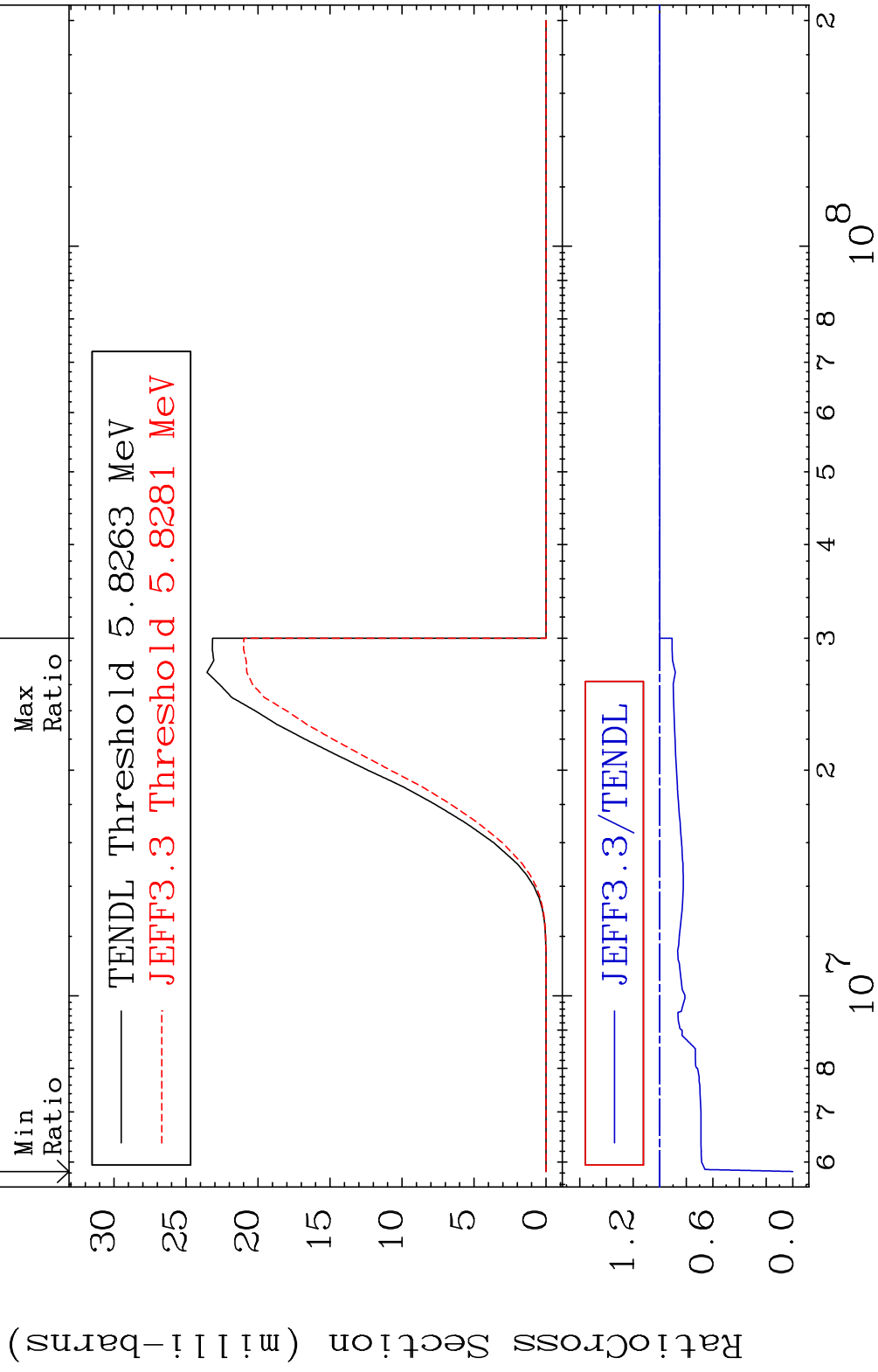
52-Te-122

MAT 5231

(n, d)

52-Te-122

Cross Section -100.0 To 0.000 %



53

Incident Energy (eV)

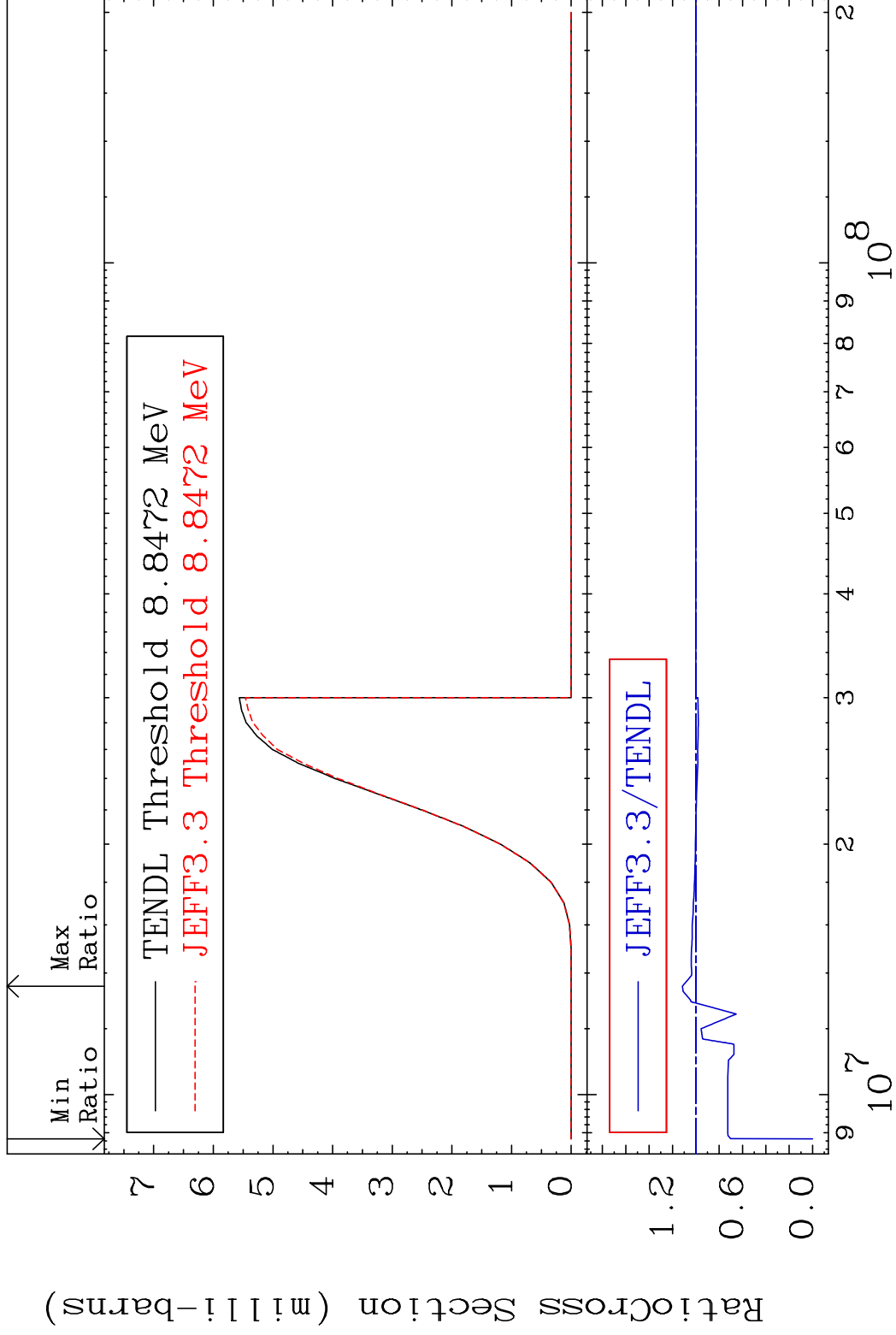
52-Te-122

MAT 5231

(n, t)

52-Te-122

Cross Section -100.0 To 11.54 %



54

Incident Energy (eV)

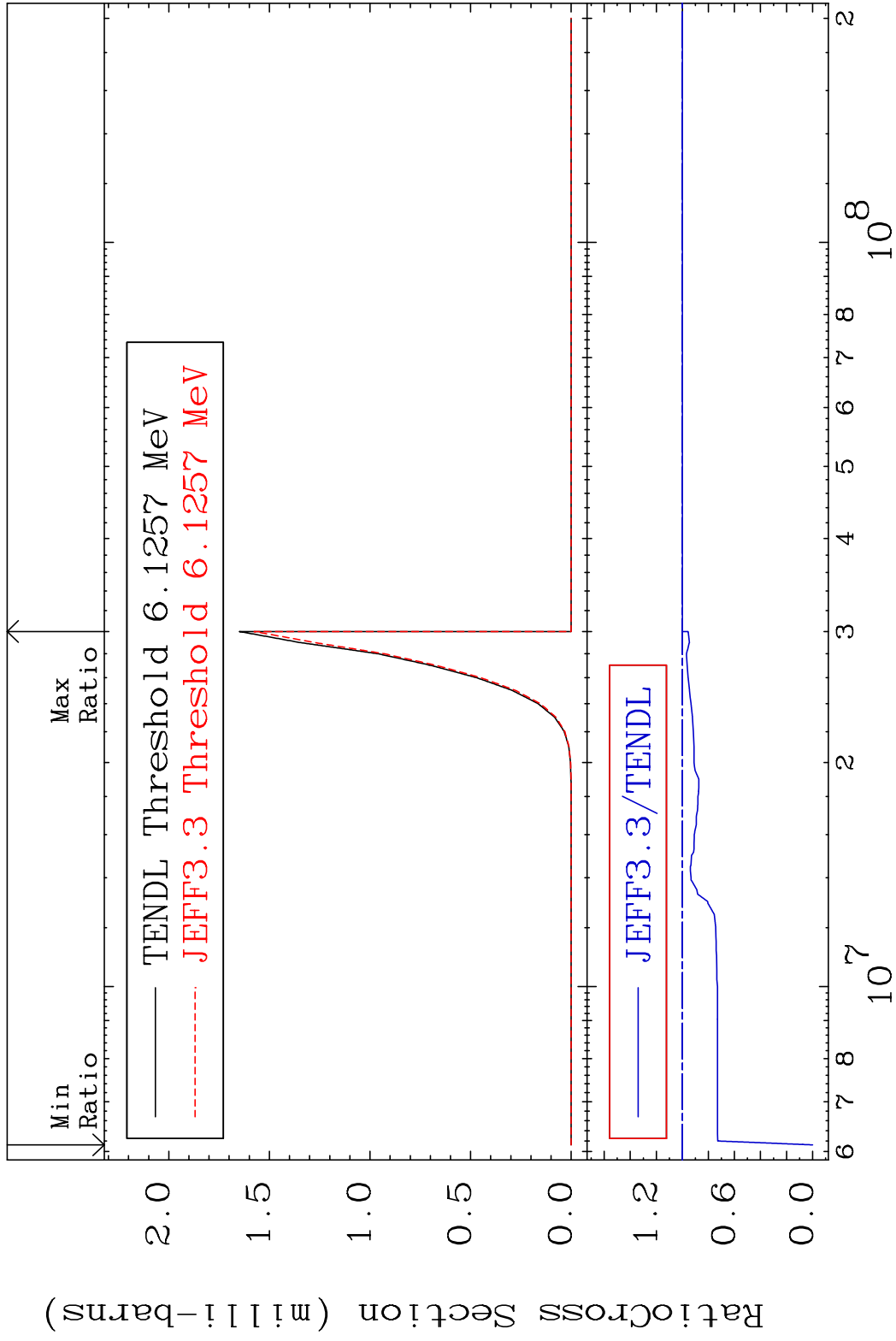
52-Te-122

MAT 5231

(n, He-3)

52-Te-122

Cross Section -100.0 To 0.000 %



55

Incident Energy (eV)

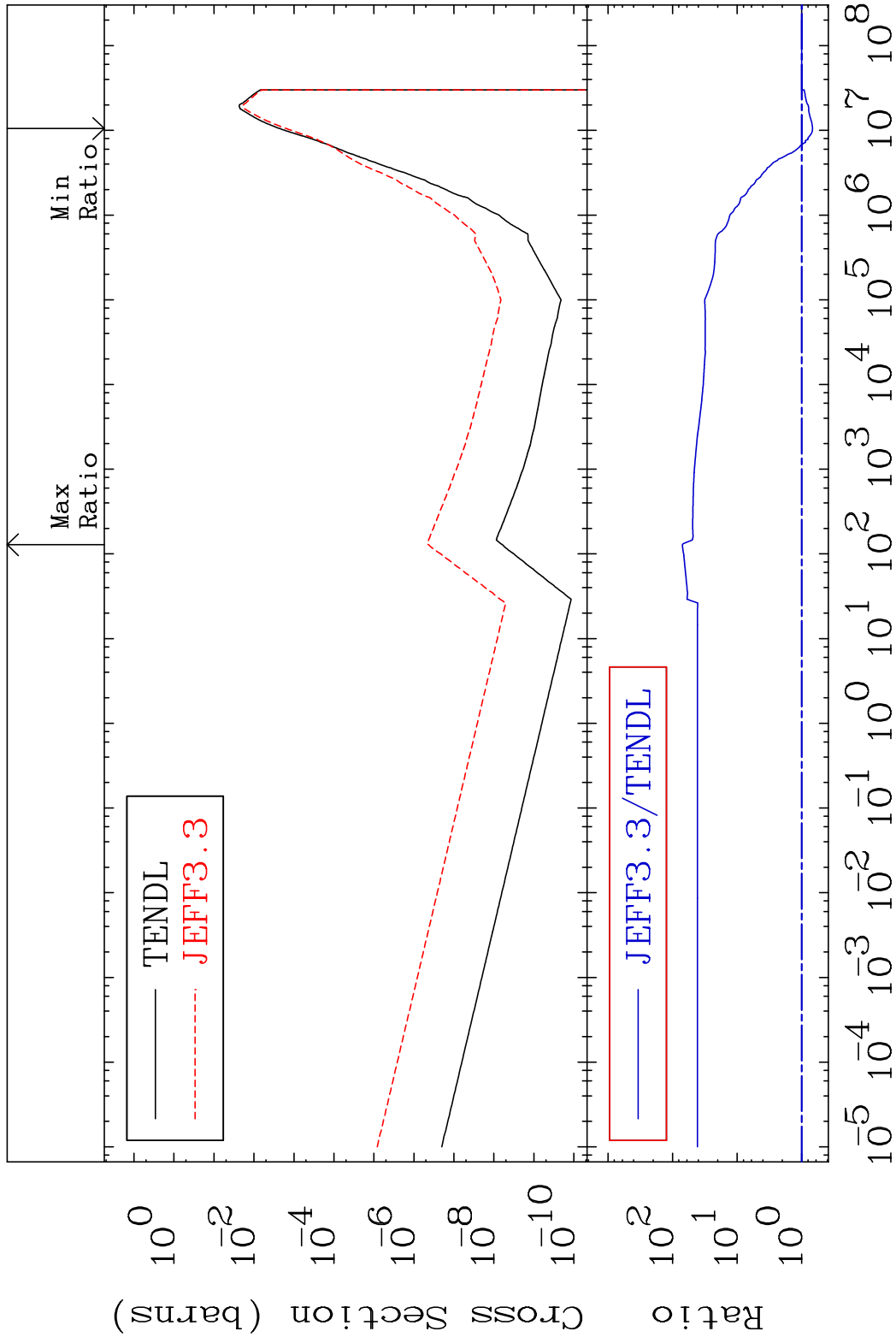
52-Te-122

MAT 5231

(n, α)

52-Te-122

Cross Section -31.95 To 6956. %



56

Incident Energy (eV)

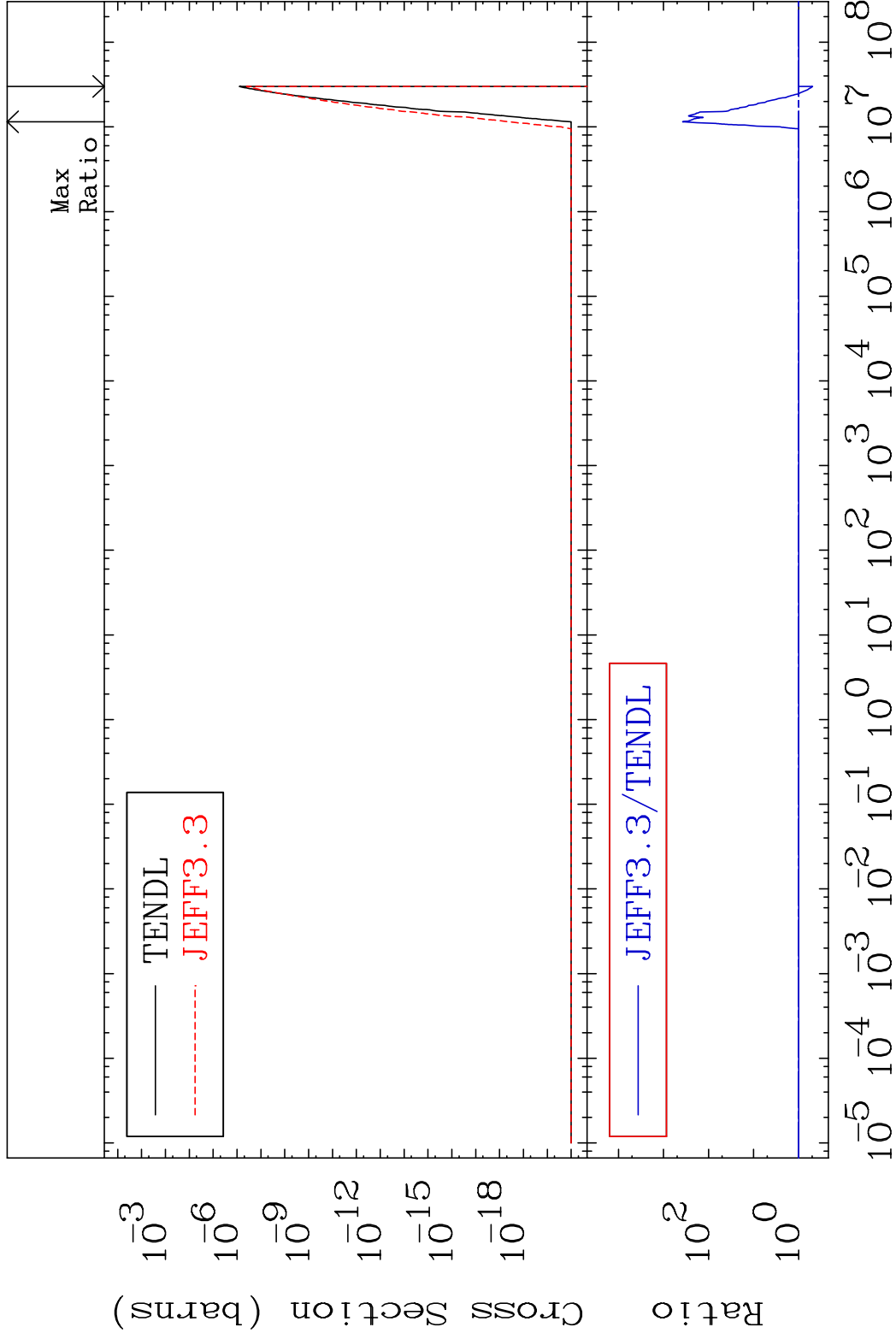
52-Te-122

MAT 5231

(n,2α)

52-Te-122

Cross Section -51.01 To 9999. %



57

Incident Energy (eV)

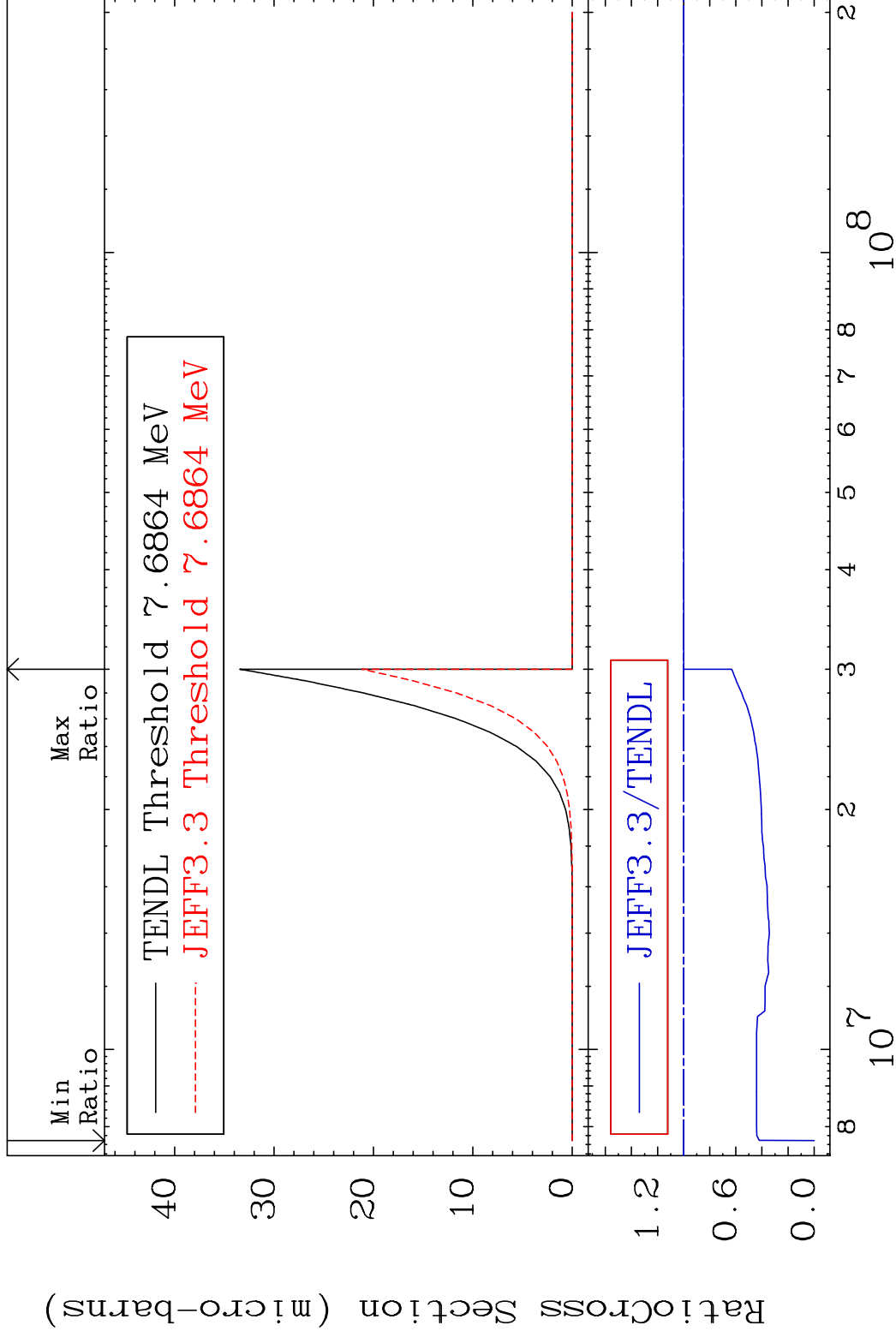
52-Te-122

MAT 5231

(n,2p)

52-Te-122

Cross Section -100.0 To 0.000 %



58

Incident Energy (eV)

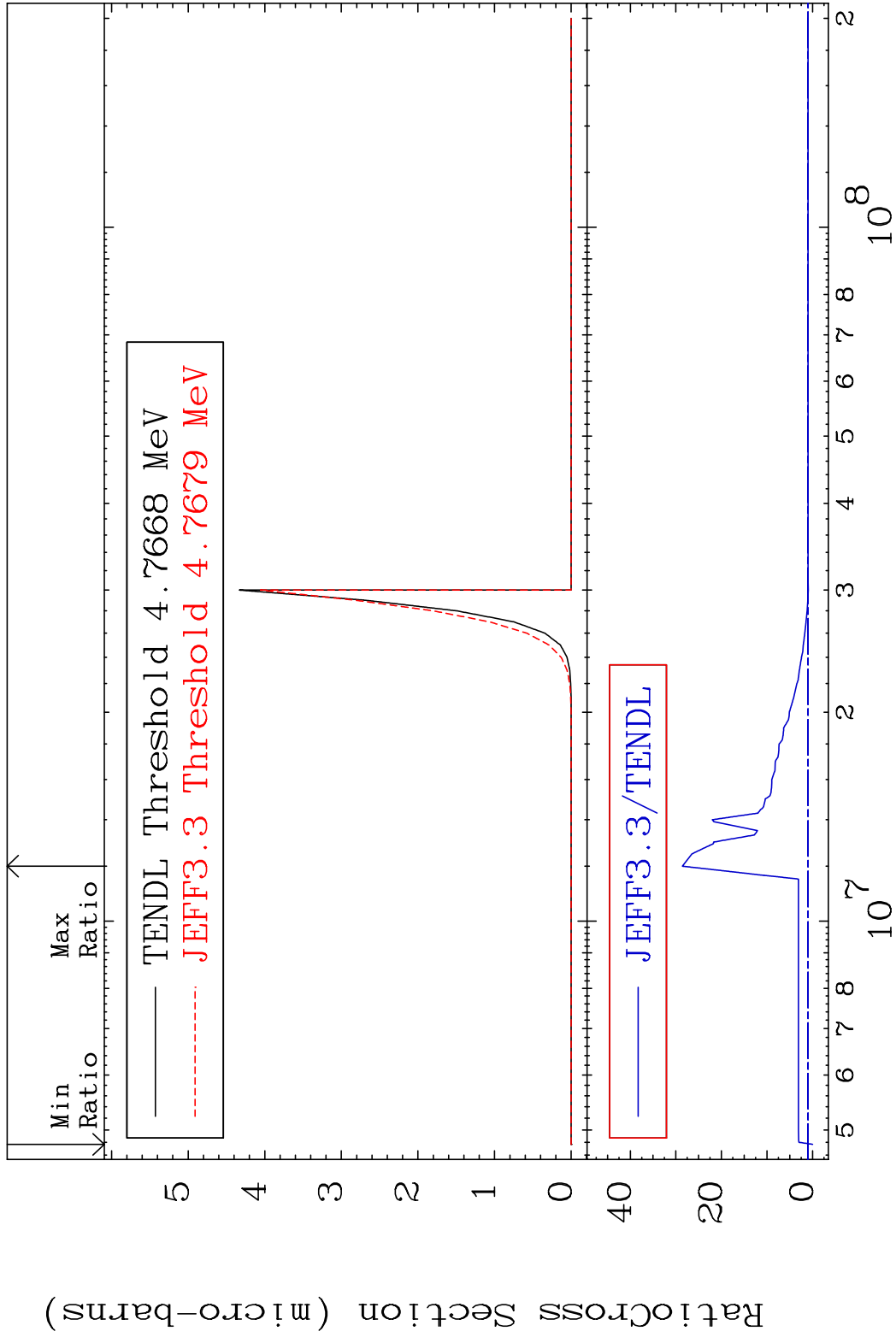
52-Te-122

MAT 5231

(n,p) α

52-Te-122

Cross Section -100.0 To 2757. %



59

Incident Energy (eV)

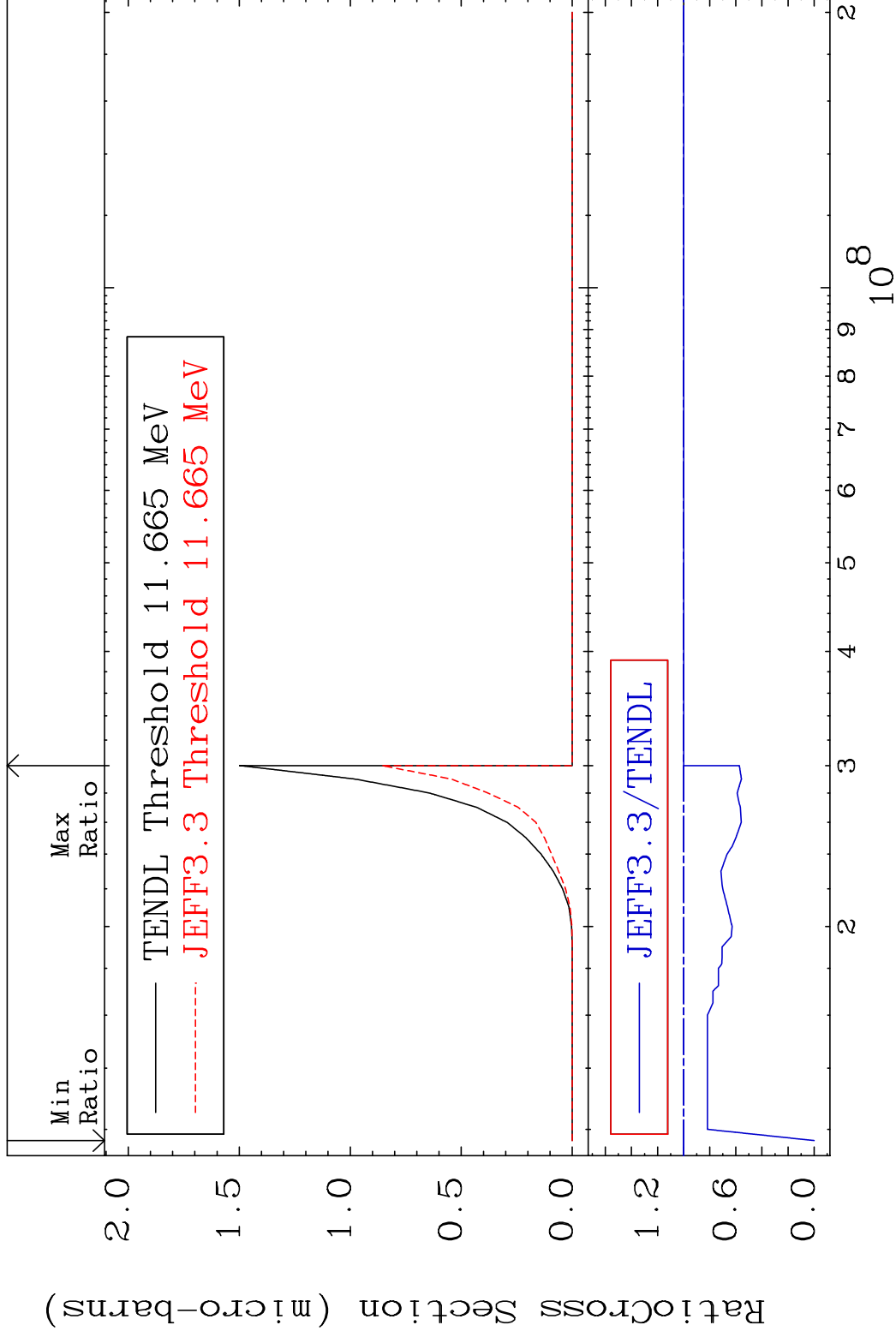
52-Te-122

MAT 5231

(n,p) d

52-Te-122

Cross Section -100.0 To 0.000 %



60

Incident Energy (eV)

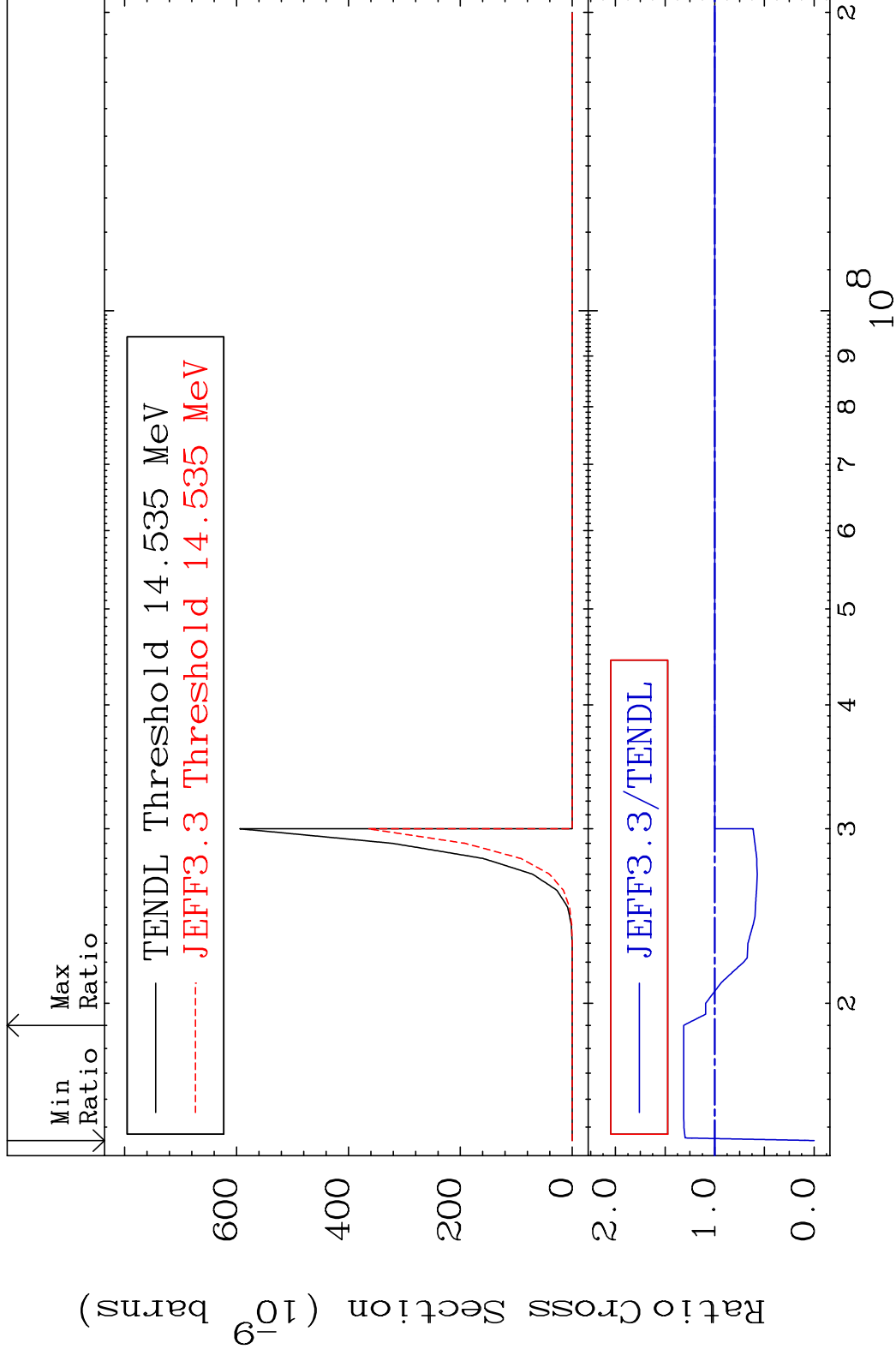
52-Te-122

MAT 5231

(n,p) t

52-Te-122

Cross Section -100.0 To 31.34 %



61

Incident Energy (eV)

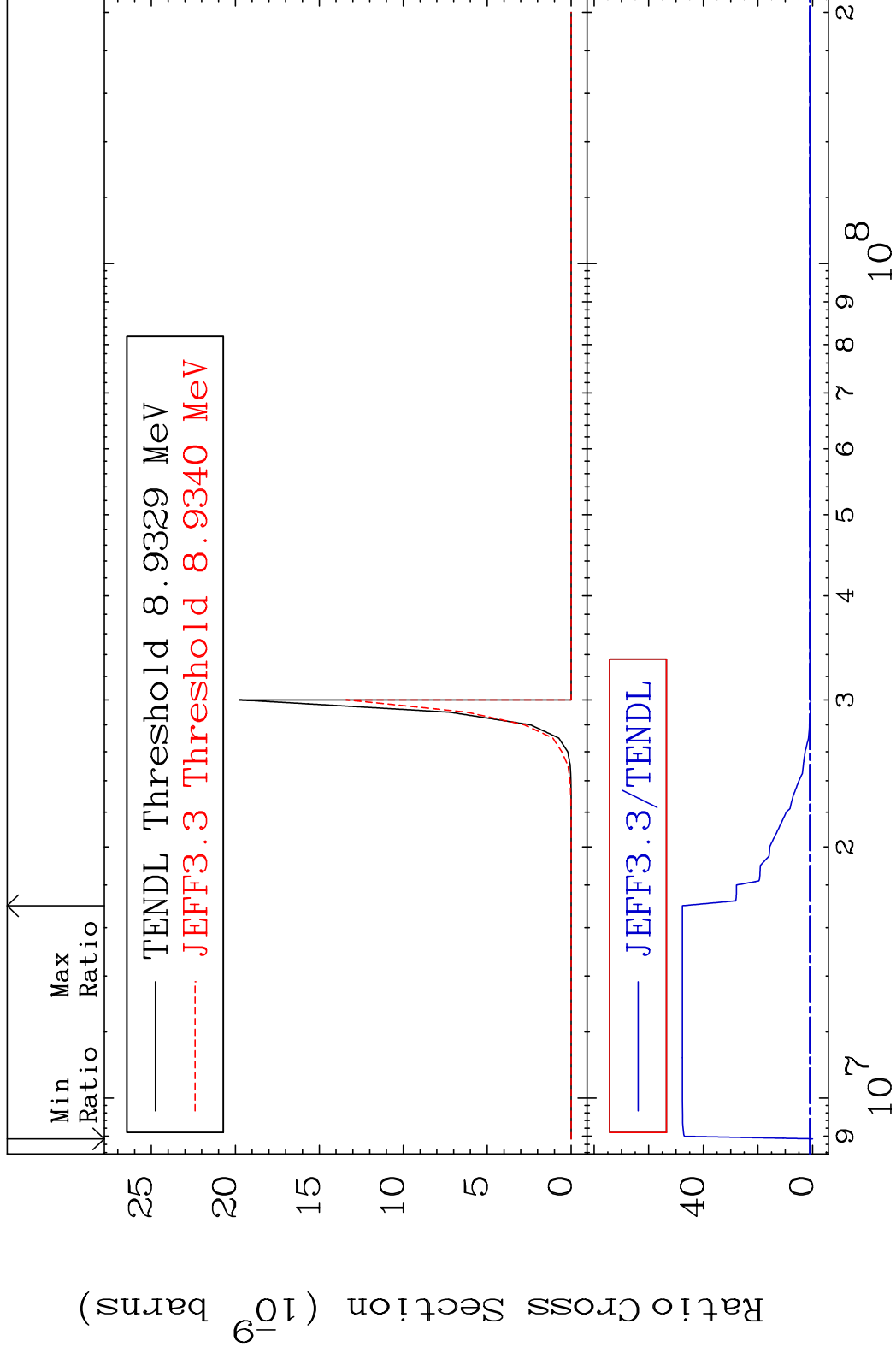
52-Te-122

MAT 5231

(n,d) α

52-Te-122

Cross Section -100.0 To 4669. %

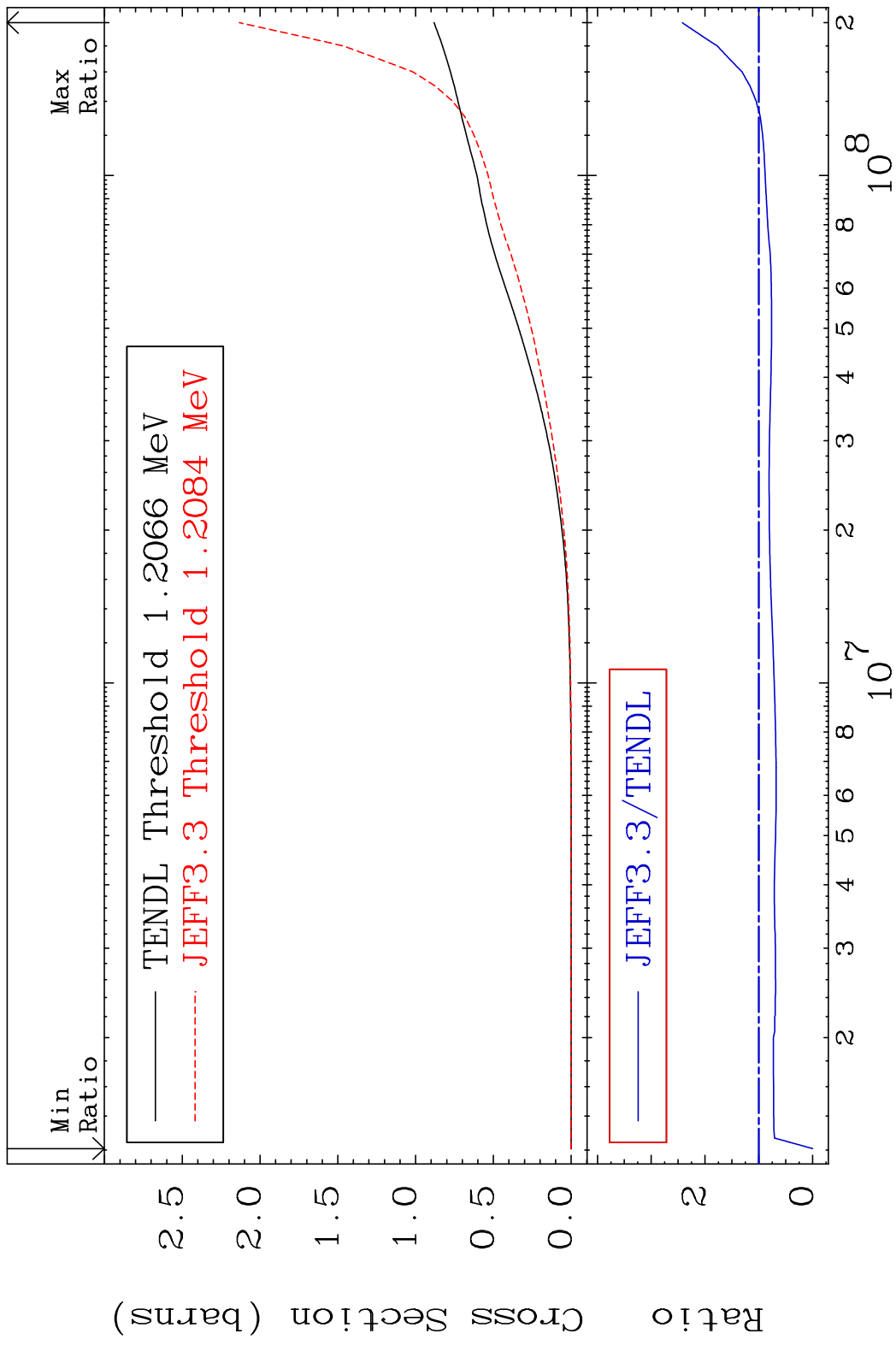


62

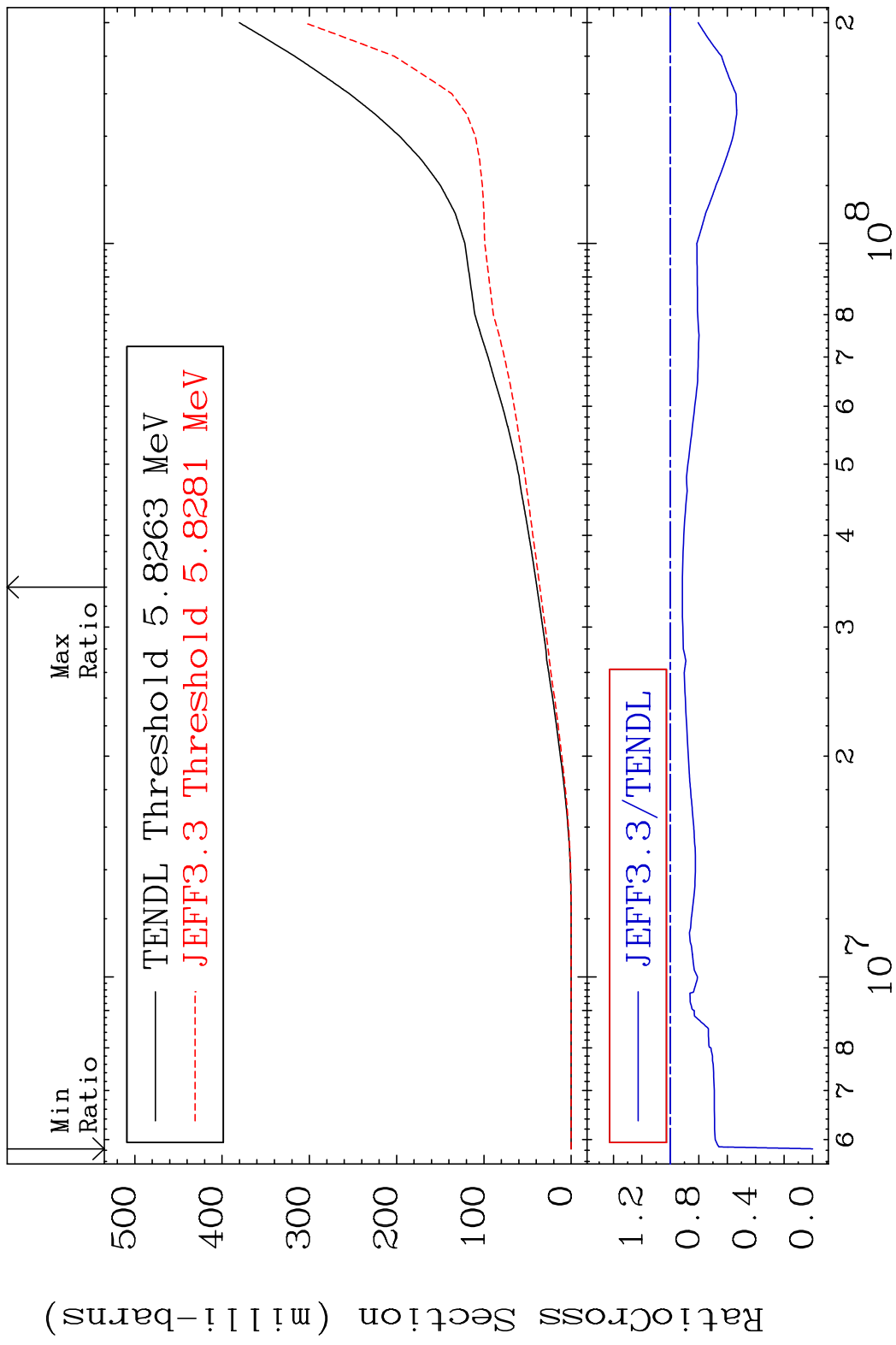
Incident Energy (eV)

52-Te-122

MAT 5231 Hydrogen Production 52-Te-122
 Cross Section -100.0 To 142.1 %



MAT 5231 Deuterium Production 52-Te-122
 Cross Section -100.0 To -8.459%

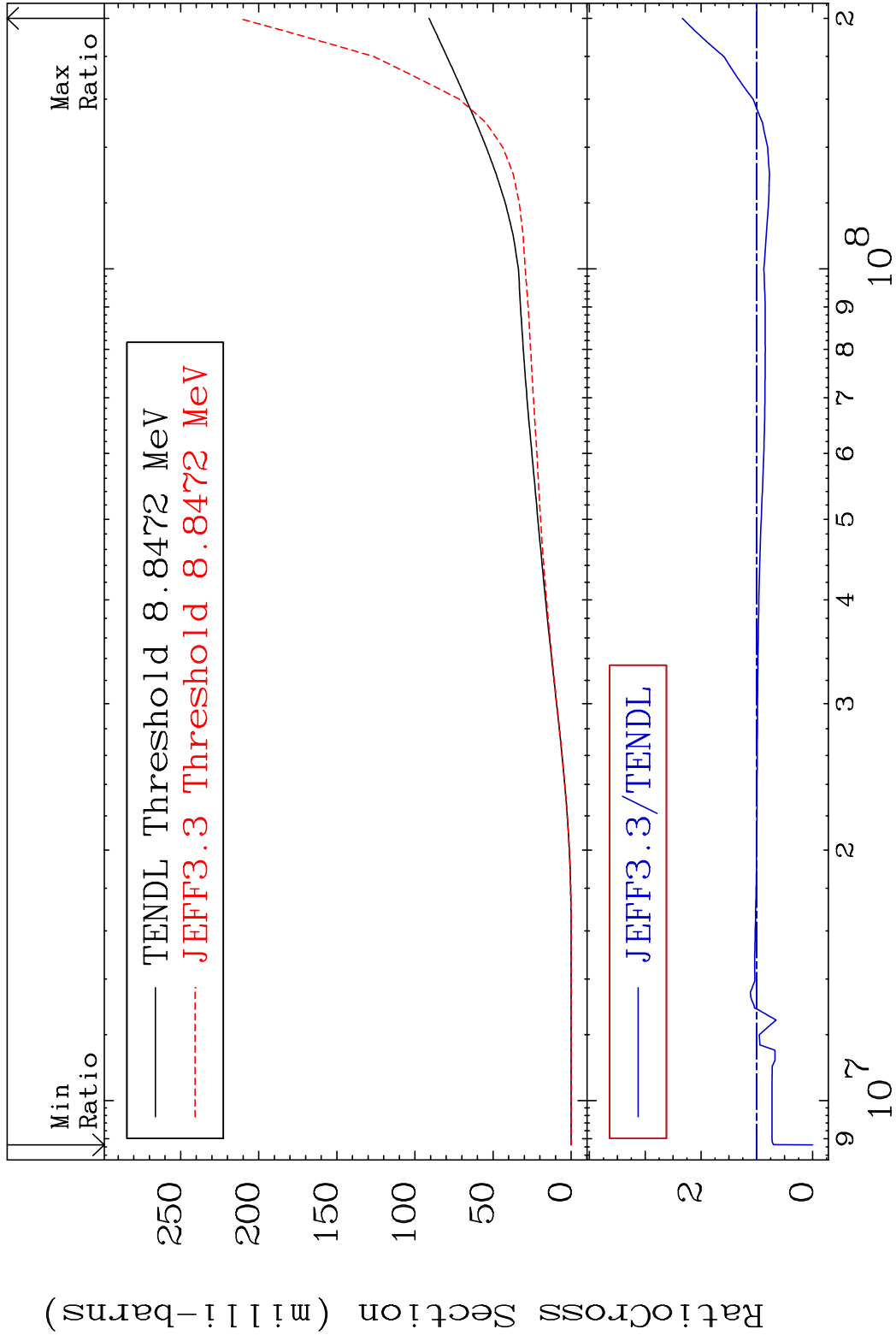


MAT 5231

Tritium Production

52-Te-122

Cross Section -100.0 To 133.4 %



65

Incident Energy (eV)

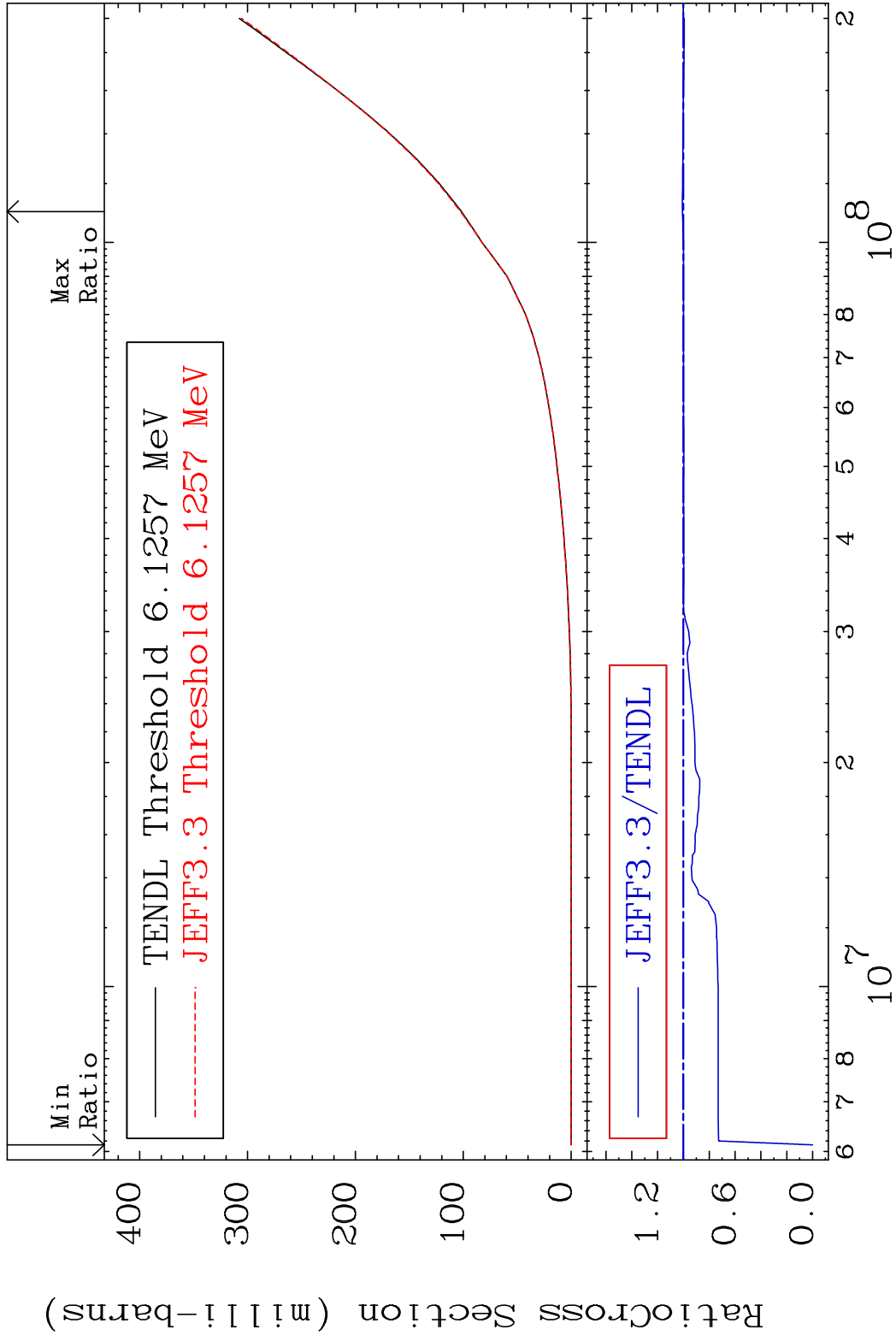
52-Te-122

MAT 5231

He-3 Production

⁵²Te-122

Cross Section -100.0 To 0.821 %



66

Incident Energy (eV)

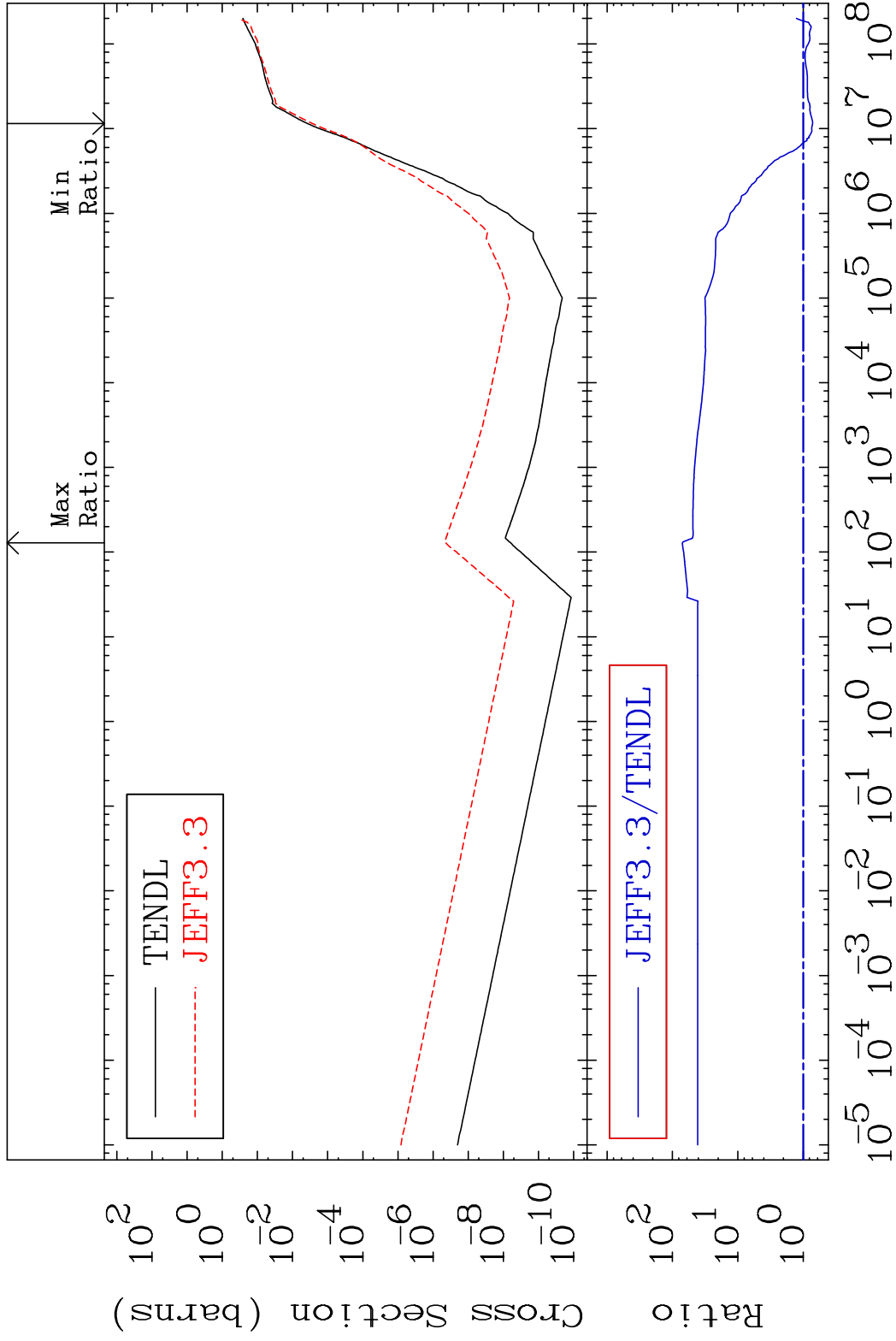
⁵²Te-122

MAT 5231

He-4 Production

52-Te-122

Cross Section -28.19 To 6956. %



67

Incident Energy (eV)

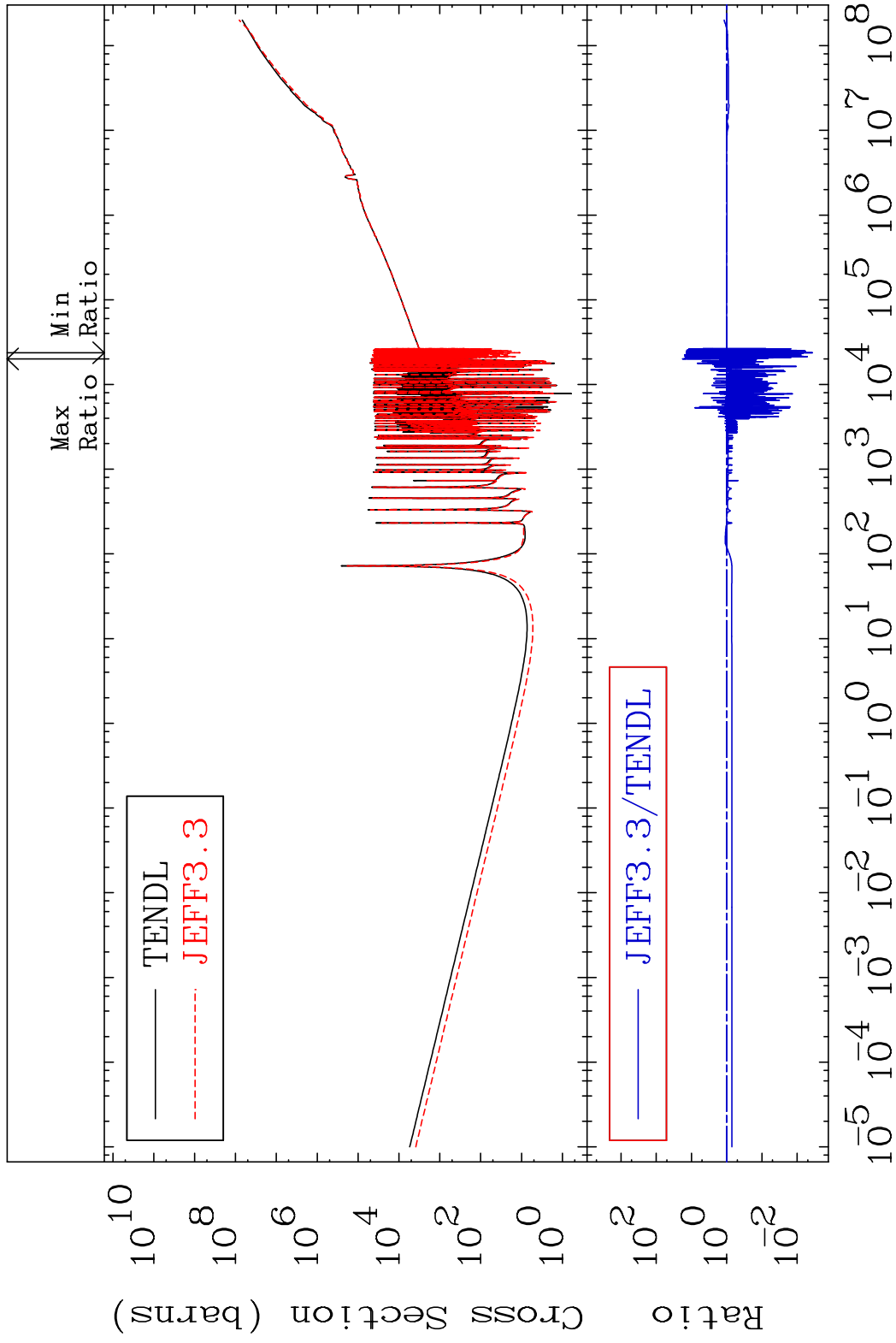
52-Te-122

MAT 5231

Kerma total (eV-barns)

52-Te-122

Cross Section -99.63 To 1713. %



68

Incident Energy (eV)

52-Te-122

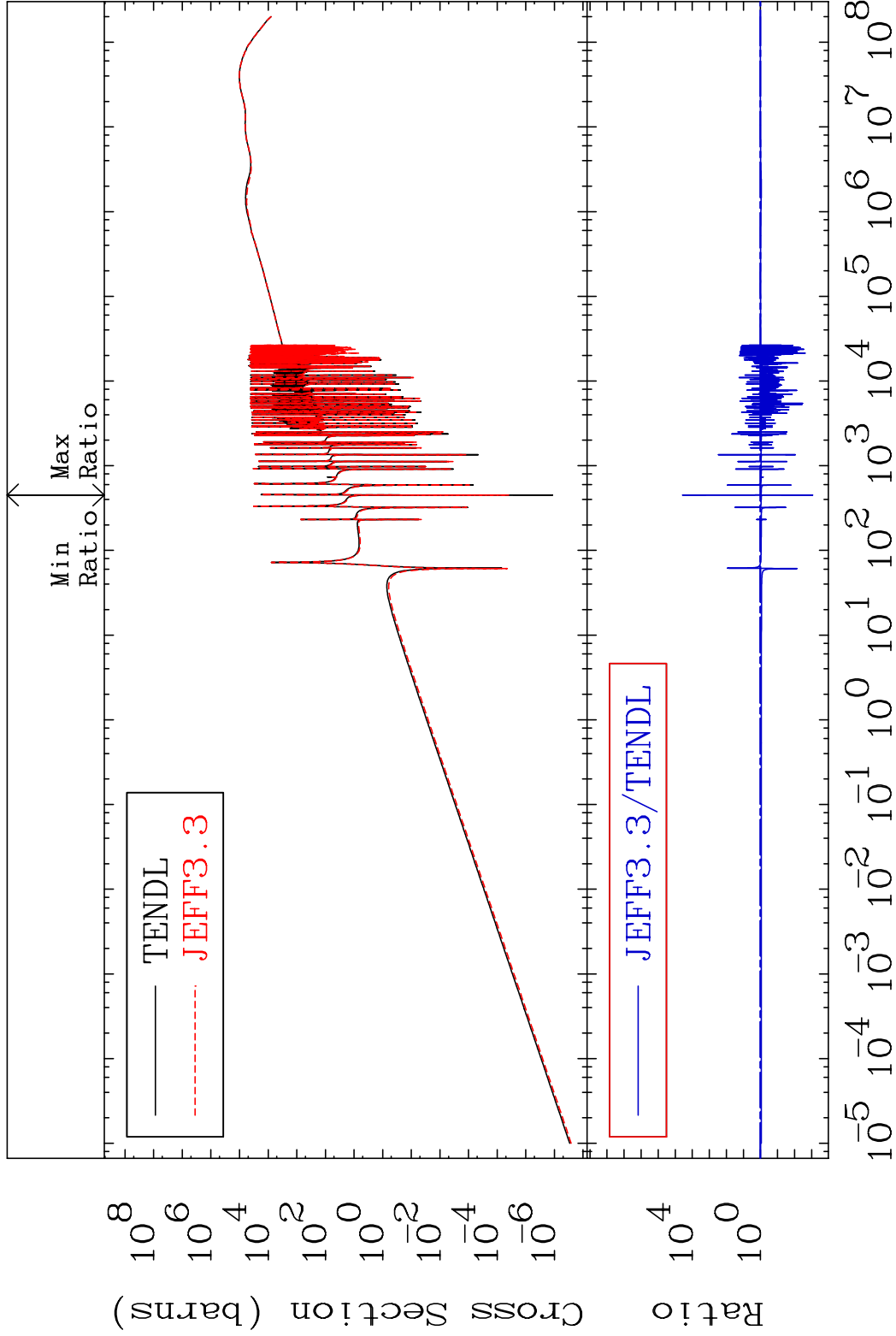
MAT 5231

Kerma elastic

52-Te-122

Cross Section

-99.91 To 9999. %

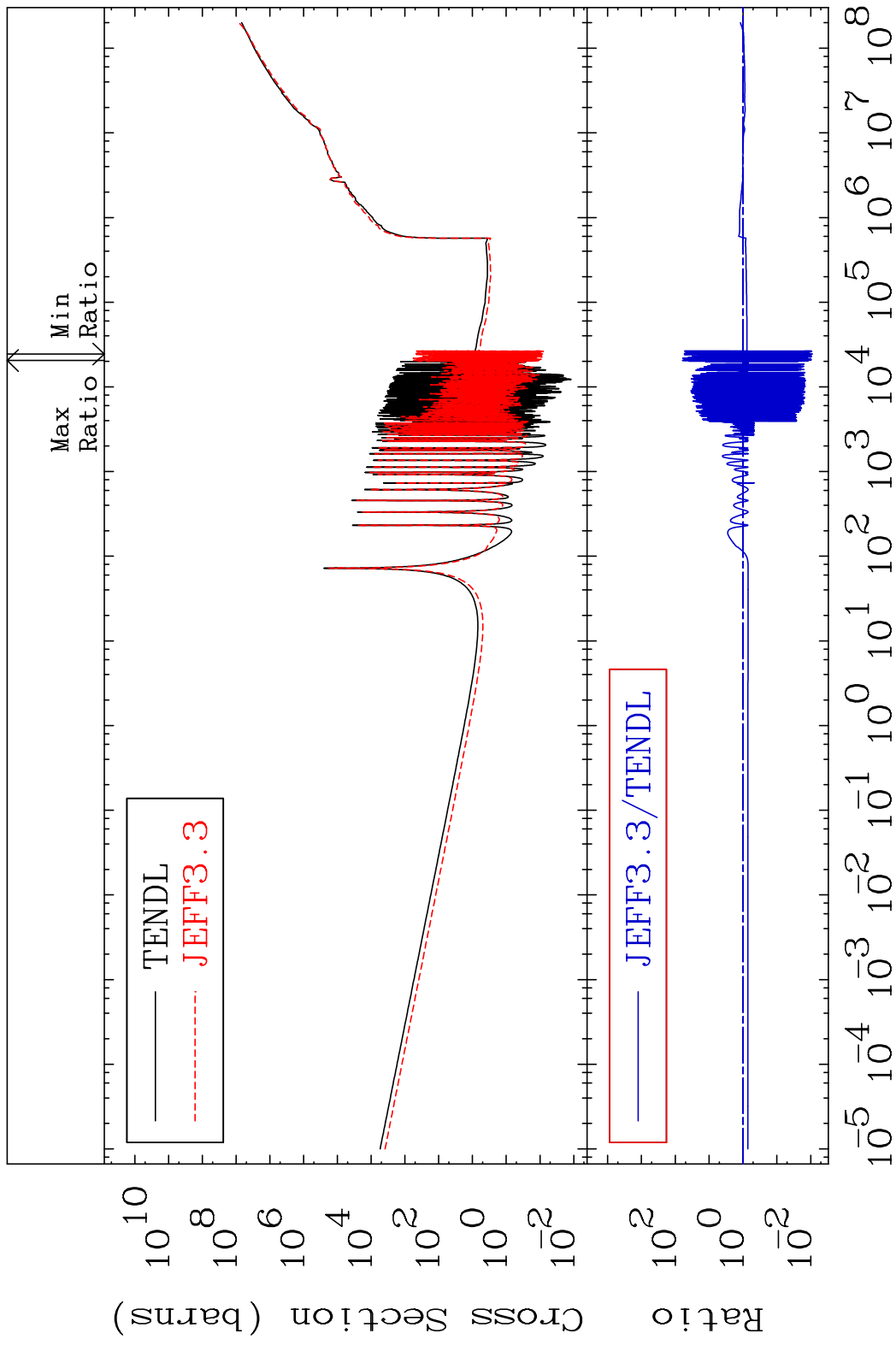


69

Incident Energy (eV)

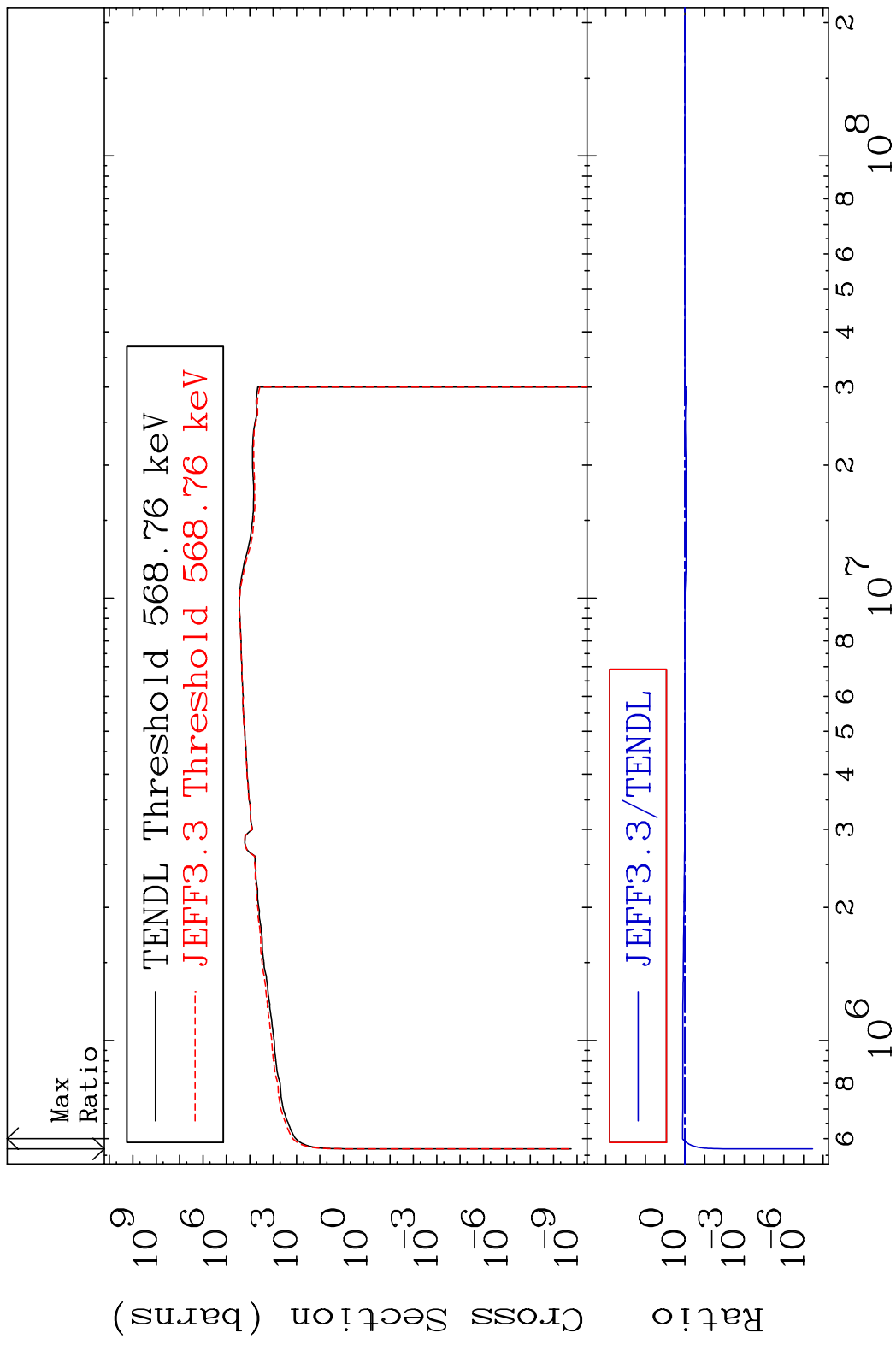
52-Te-122

MAT 5231 Kerma non-elastic (all but mt2) 52-Te-122
 Cross Section -99.12 To 6081. %

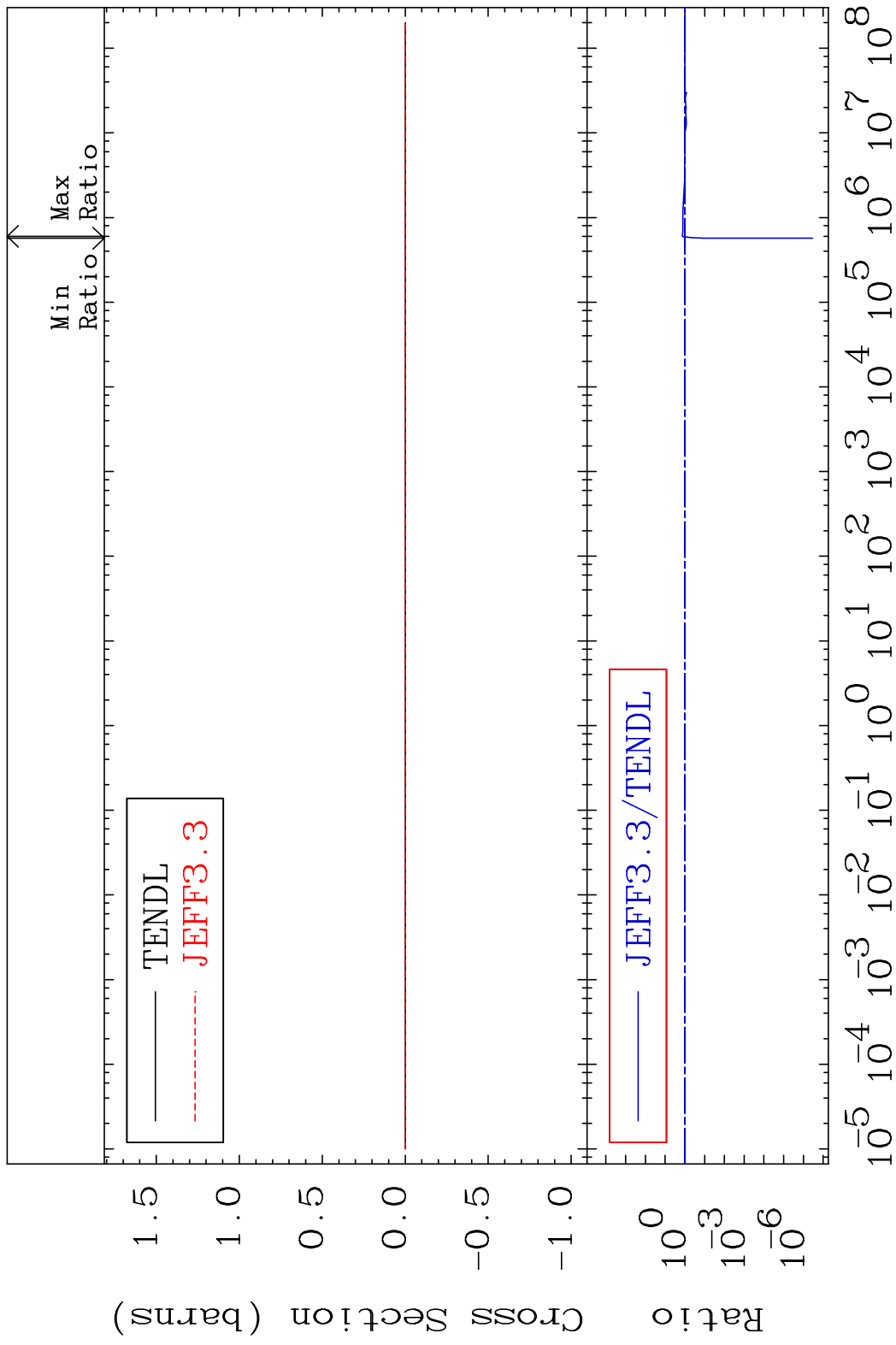


70 Incident Energy (eV) 52-Te-122

MAT 5231 Kerma inelastic (mt51-91) 52-Te-122
 Cross Section -100.0 To 34.03 %



MAT 5231 Kerma fission (mt18 or mt19-20-21-38) 52-Te-122
 Cross Section -100.0 To 34.03 %

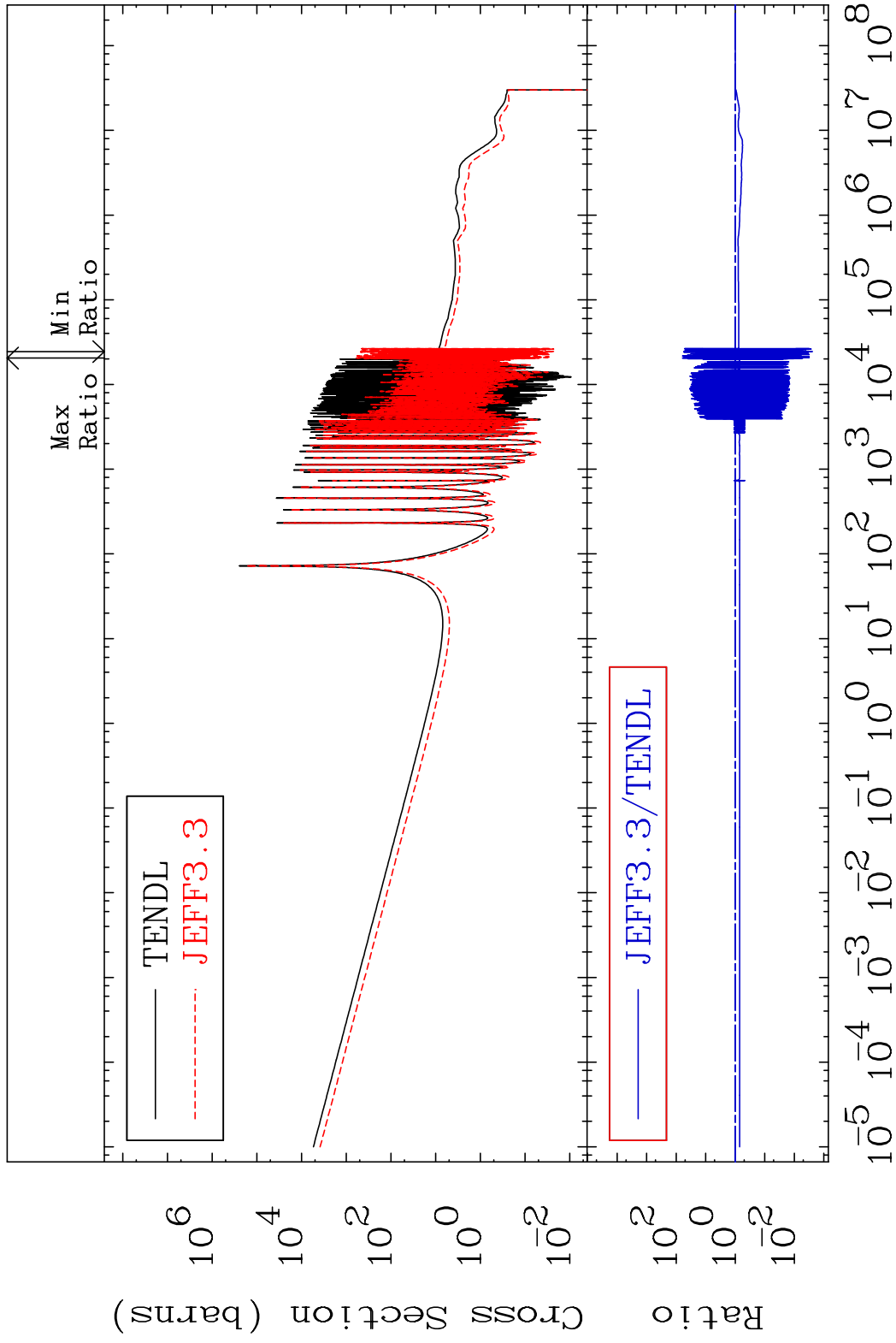


MAT 5231

Kerma capture (mt102)

52-Te-122

Cross Section -99.76 To 6081. %



73

Incident Energy (eV)

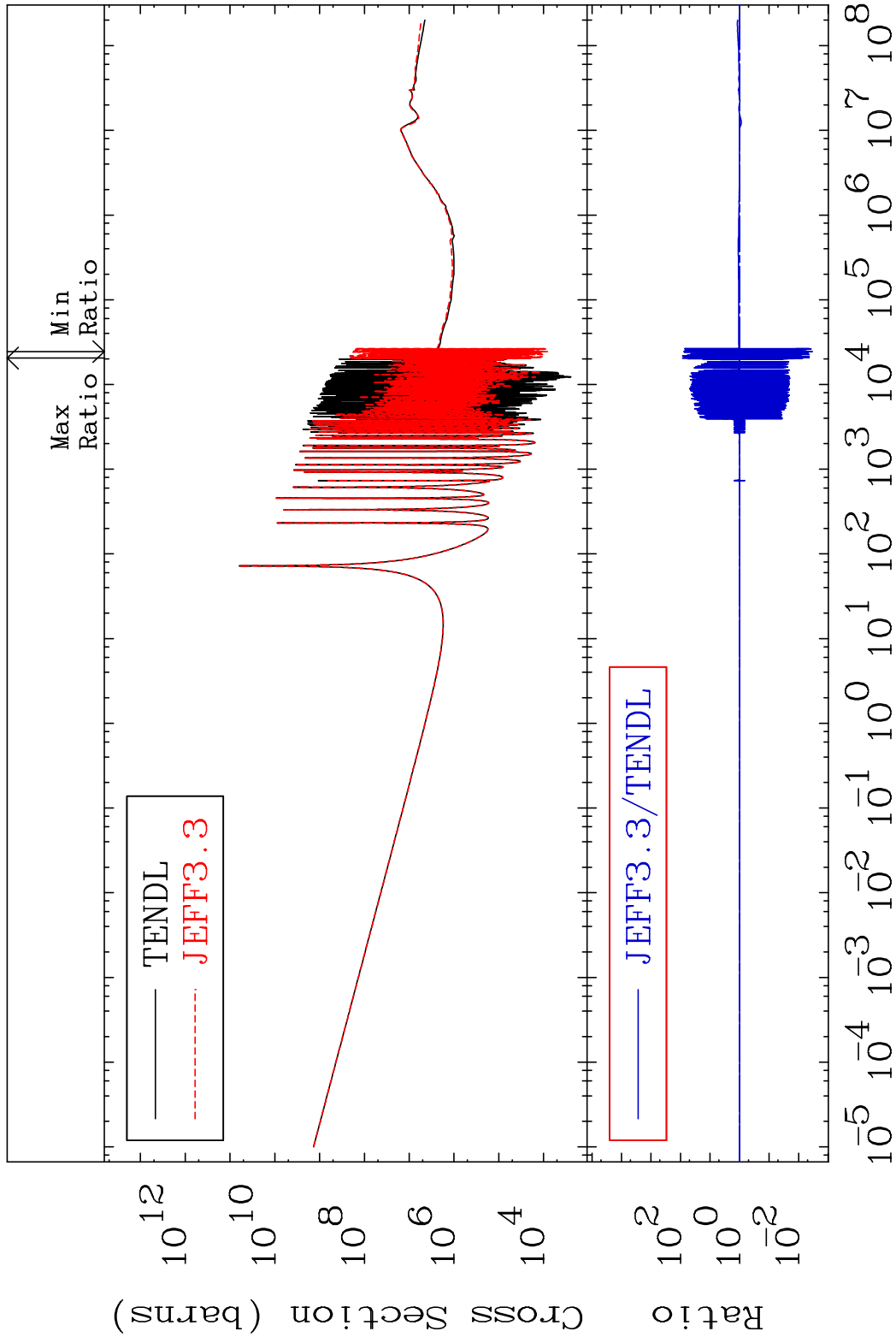
52-Te-122

MAT 5231

Total photon (eV-barns)

52-Te-122

Cross Section -99.66 To 8588. %

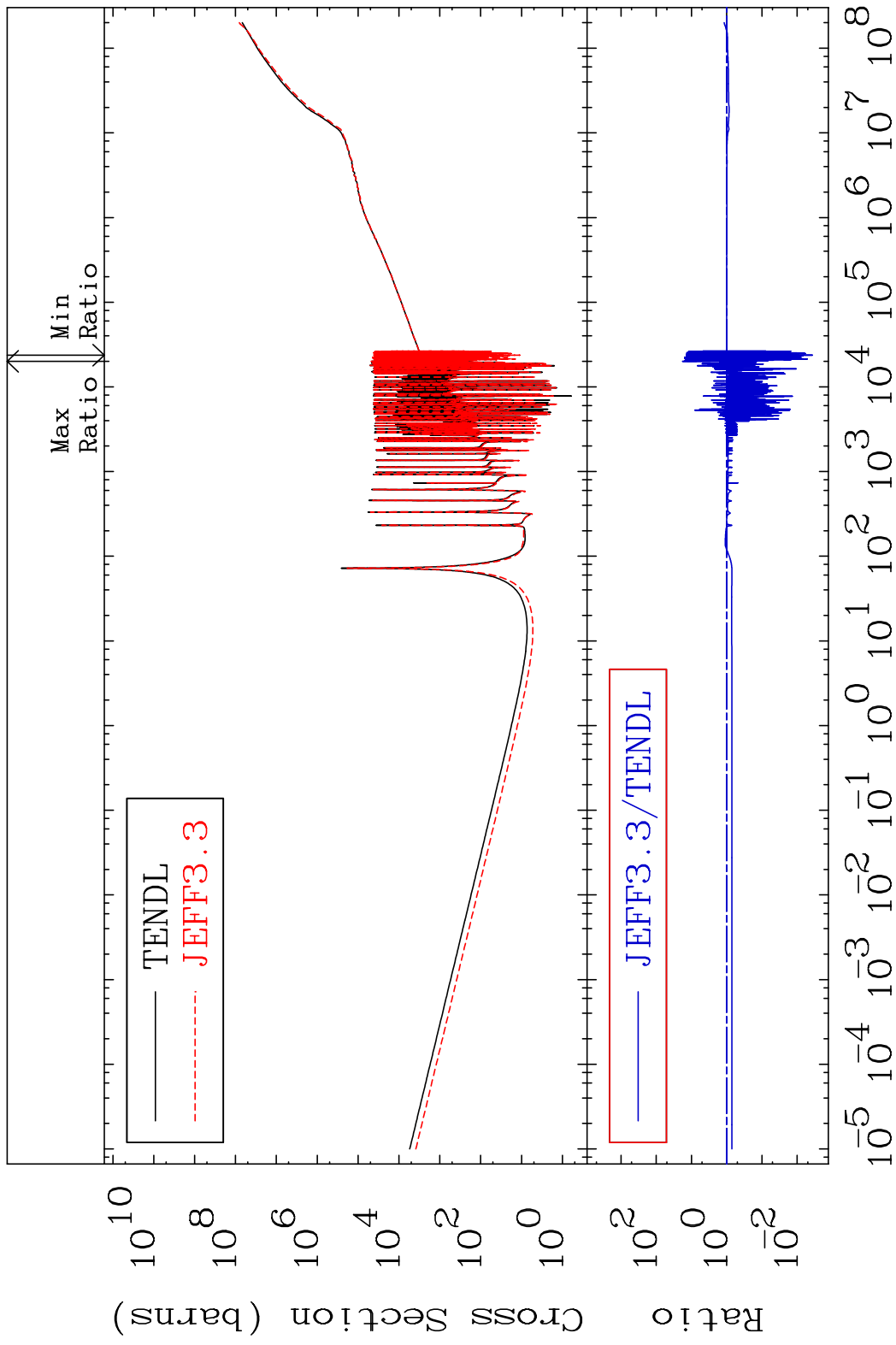


74

Incident Energy (eV)

52-Te-122

MAT 5231 Total kinematic kerma (high limit) 52-Te-122
Cross Section -99.63 To 1713. %



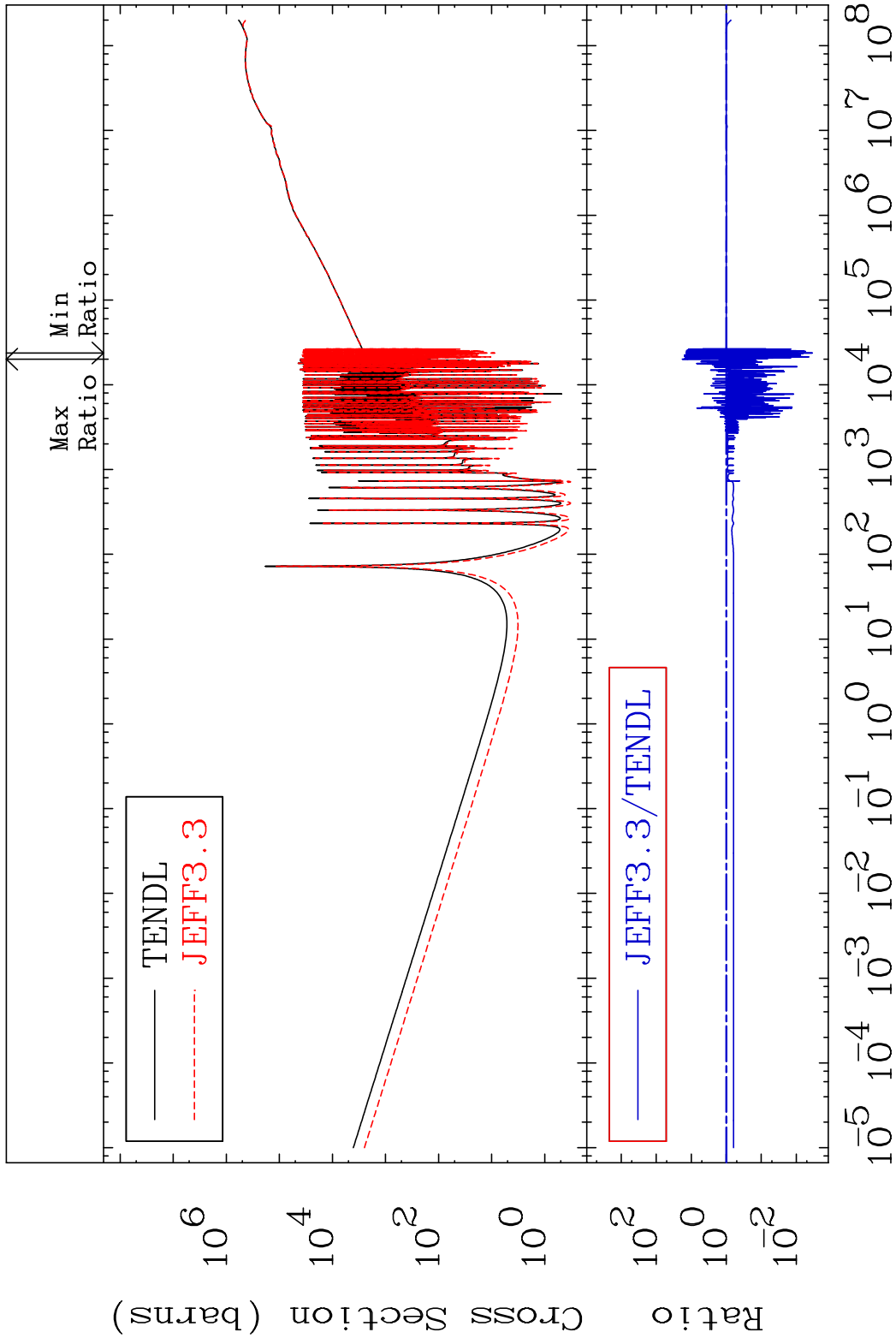
MAT 5231

Dpa total (eV-barns)

52-Te-122

Cross Section

-99.66 To 1714. %



76

Incident Energy (eV)

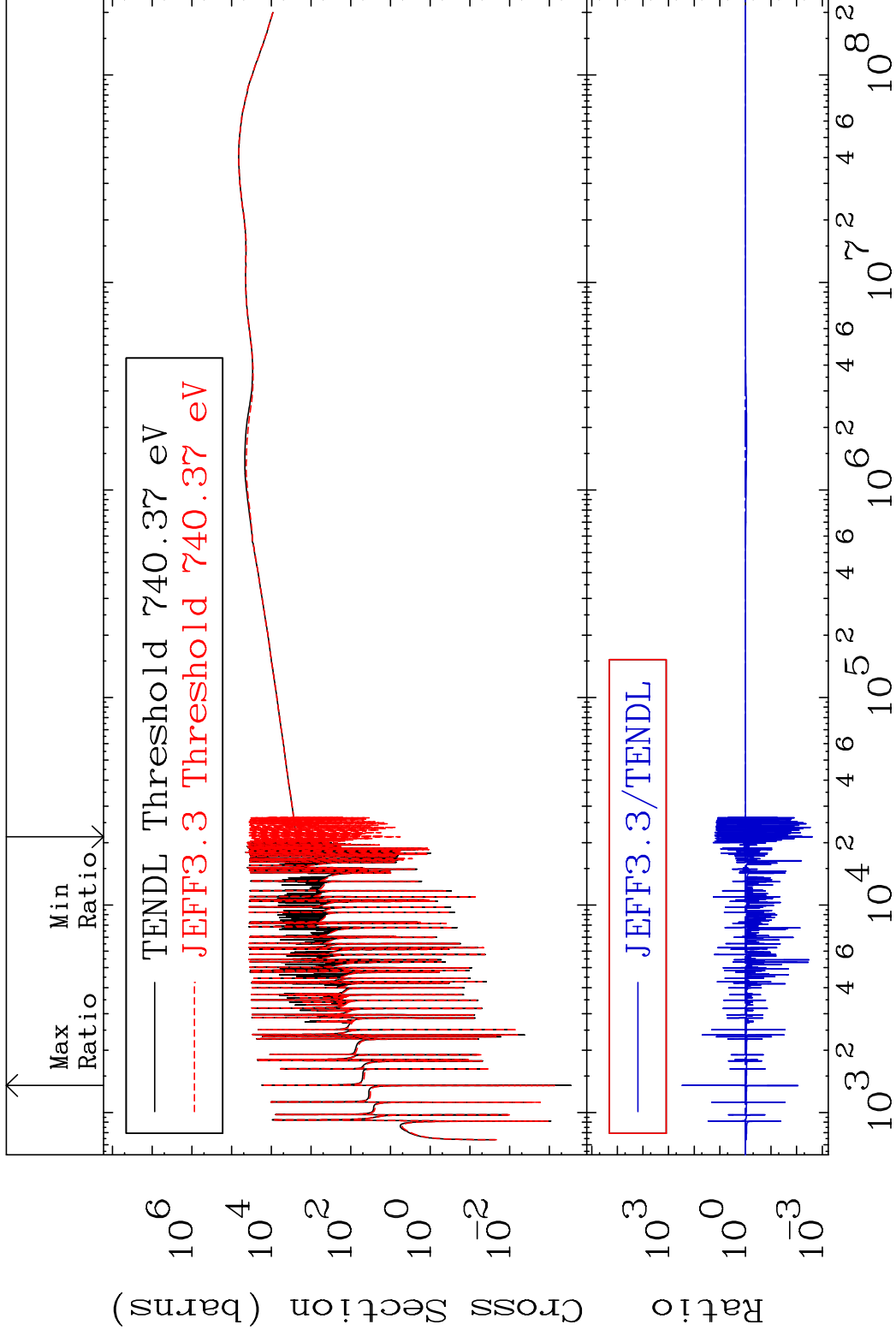
52-Te-122

MAT 5231

Dpa elastic (mt2)

52-Te-122

Cross Section -99.76 To 9999. %

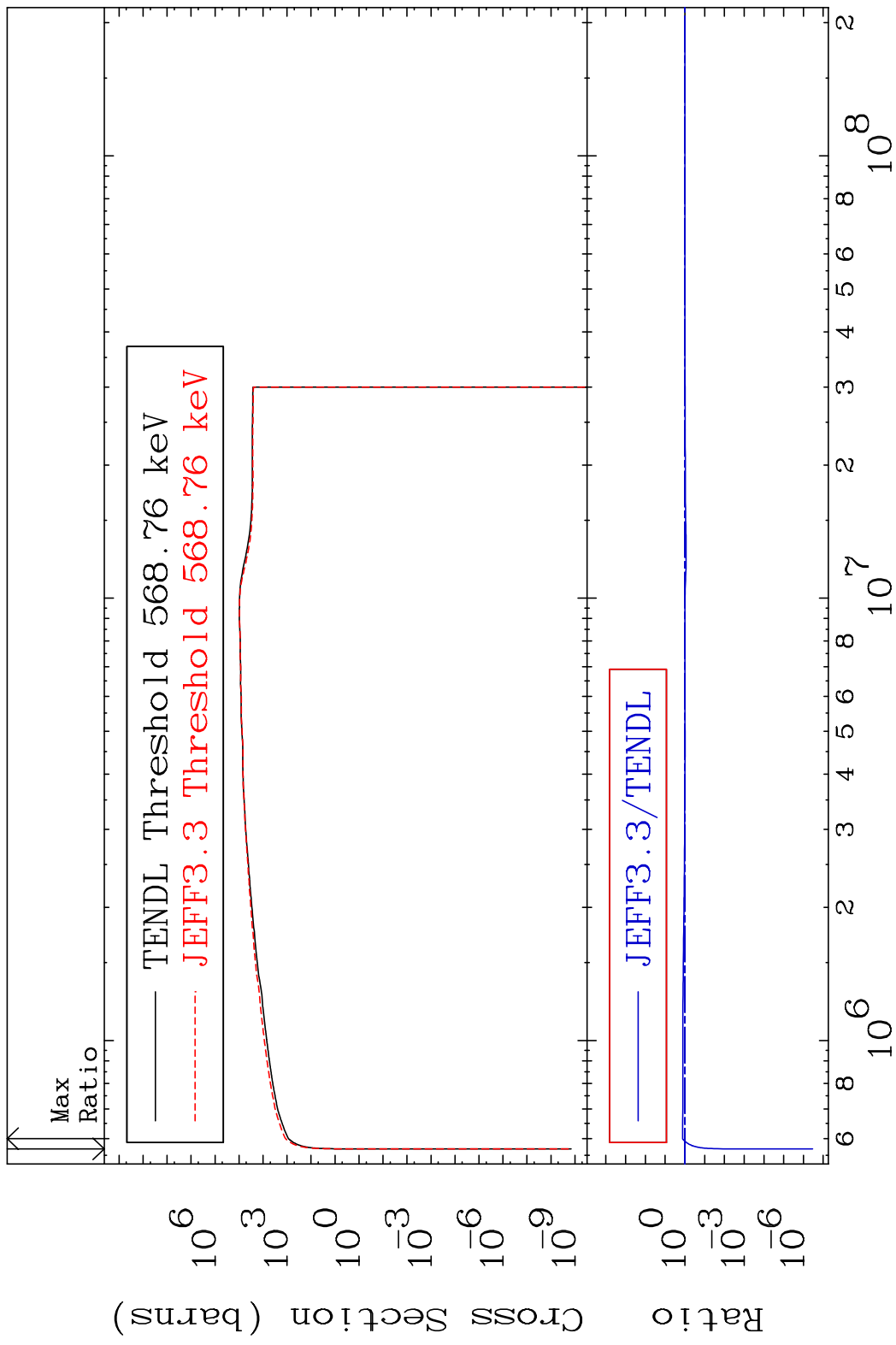


77

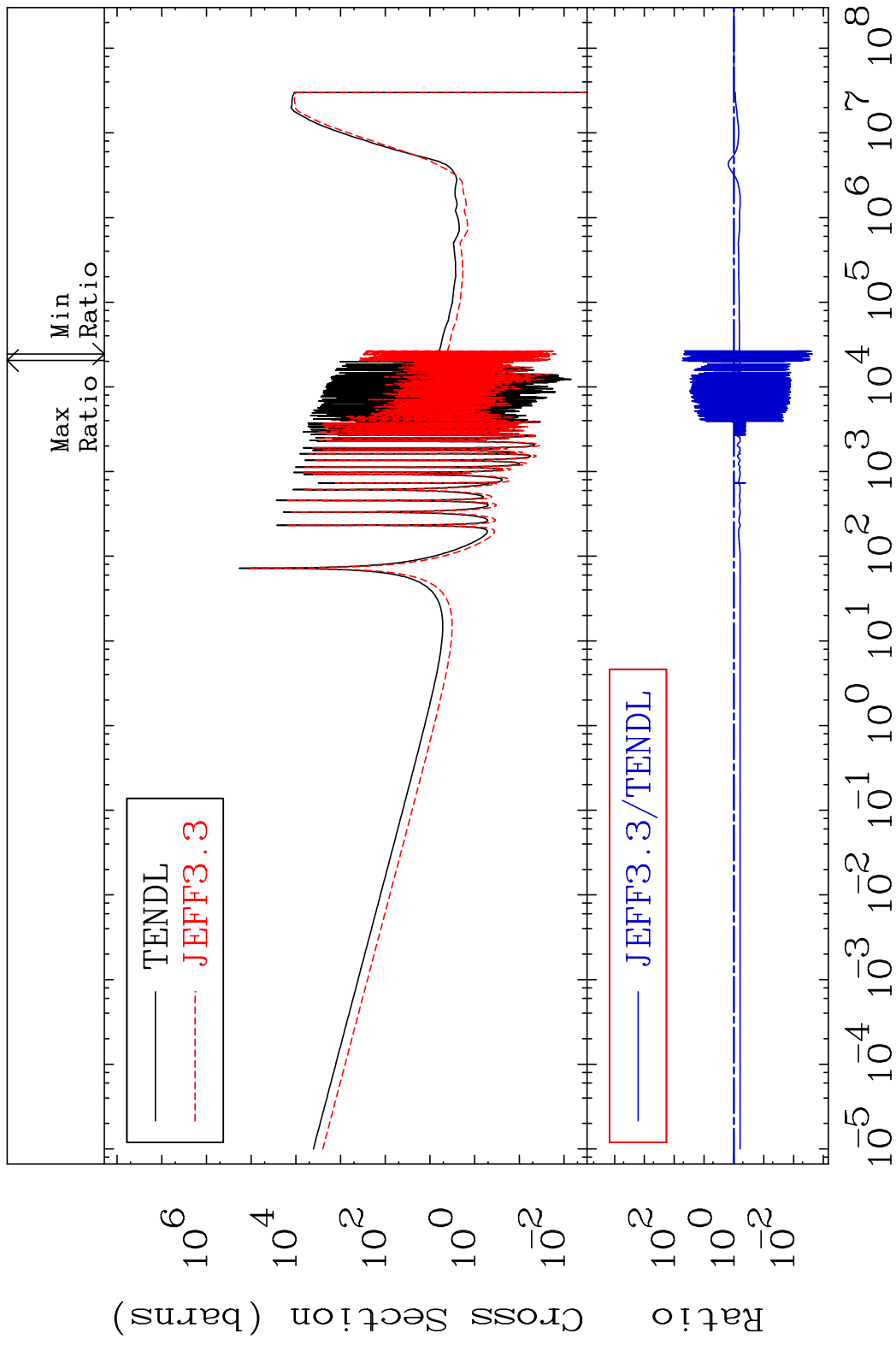
Incident Energy (eV)

52-Te-122

MAT 5231 Dpa inelastic (mt51-91) 52-Te-122
 Cross Section -100.0 To 34.03 %

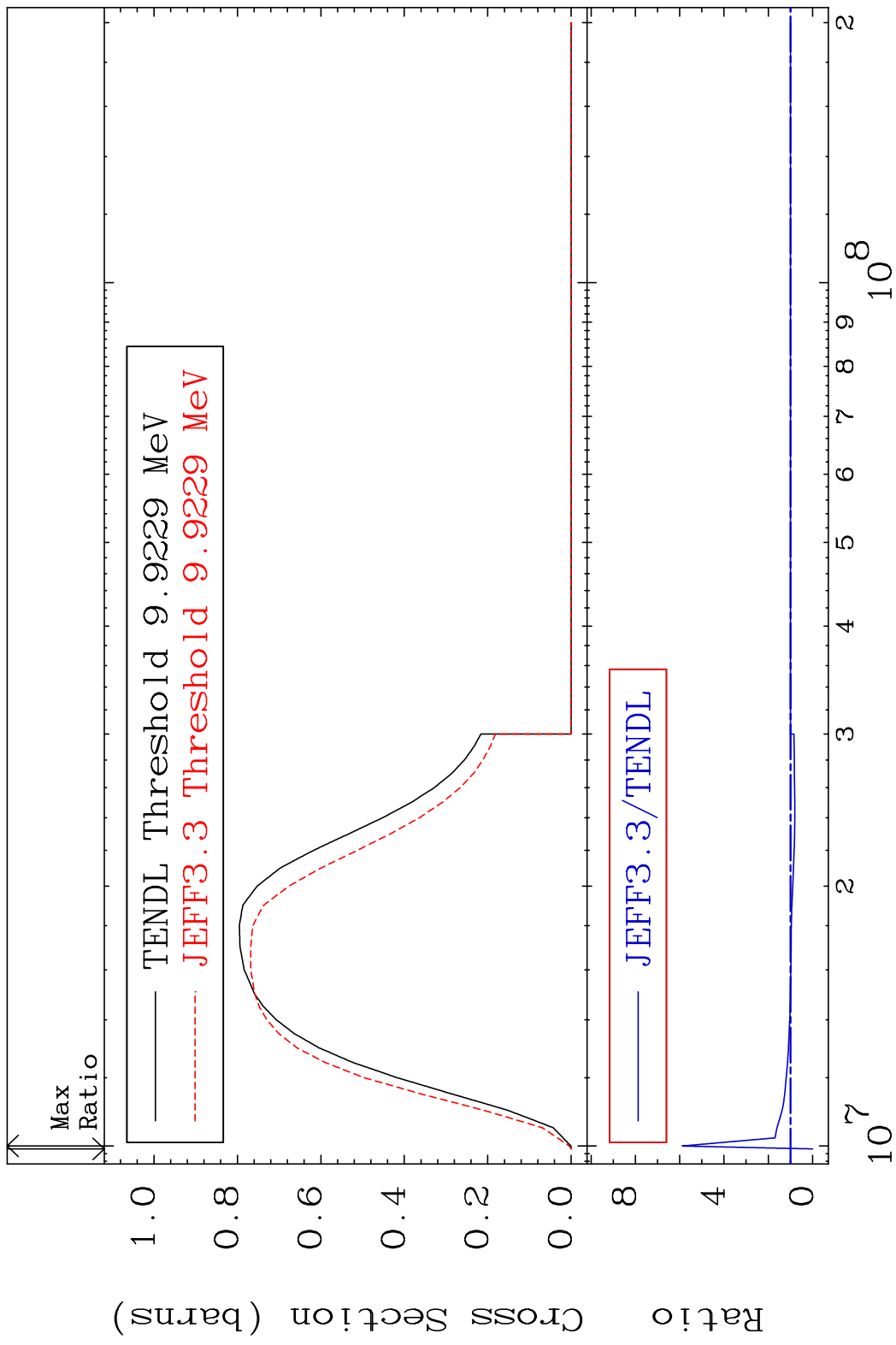


MAT 5231 Dpa disappearance (mt102 -120) 52-Te-122
 Cross Section -99.77 To 5244. %



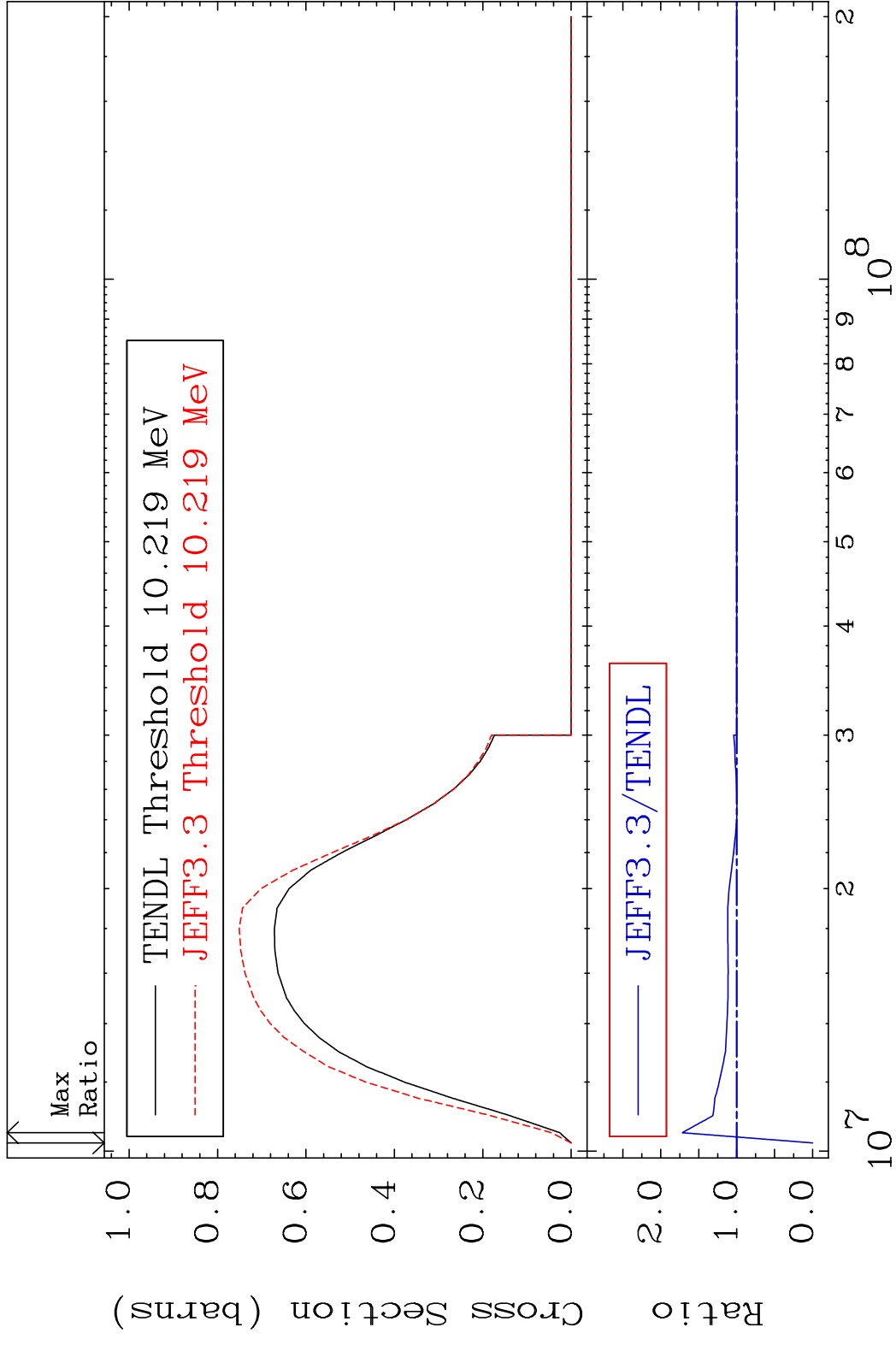
79 Incident Energy (eV) 52-Te-122

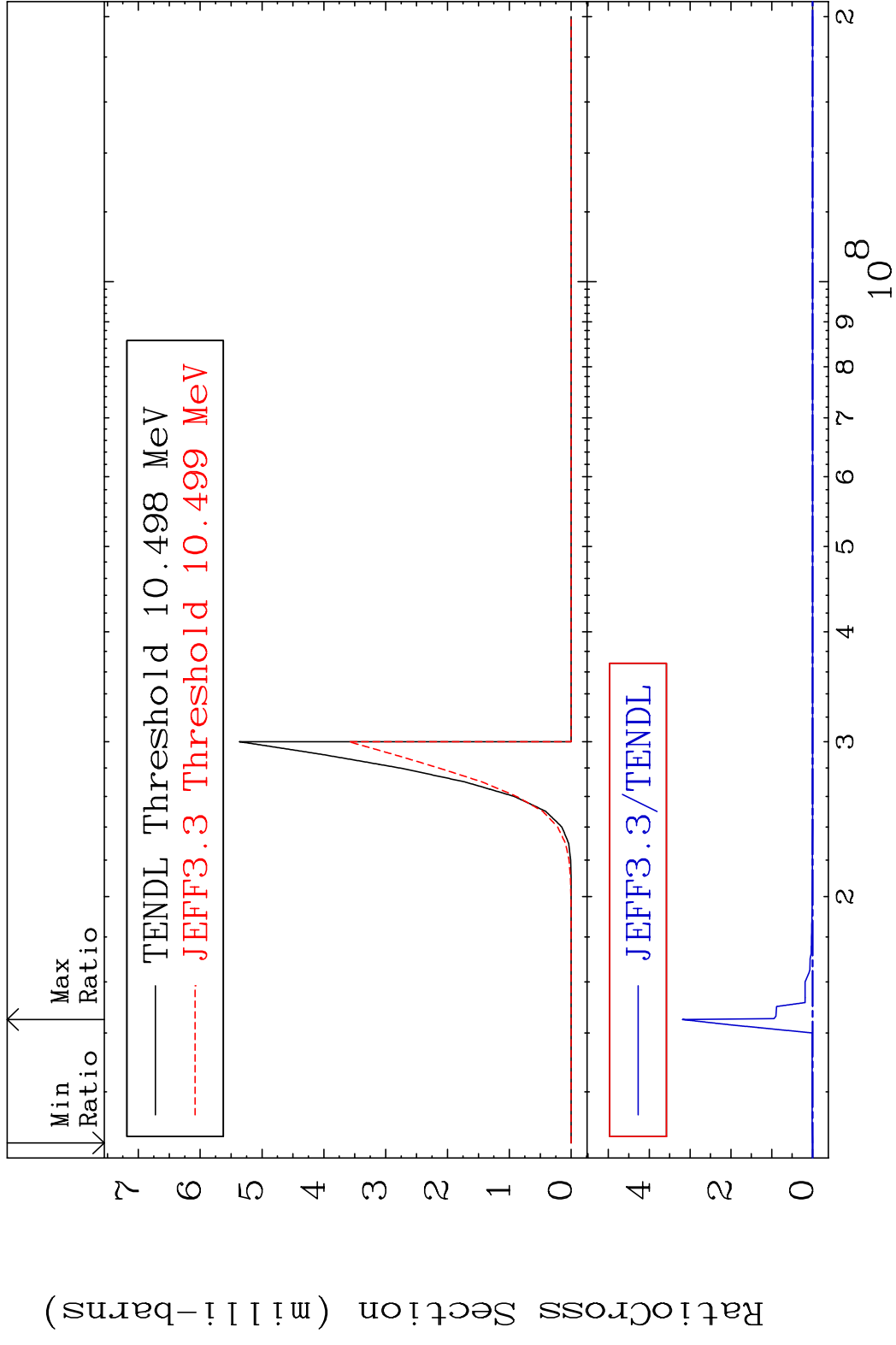
MAT 5231 (n,2n):52-Te-121g 52-Te-122
 Radionuclide Production Cross Section 180.0 dth 488.0 %



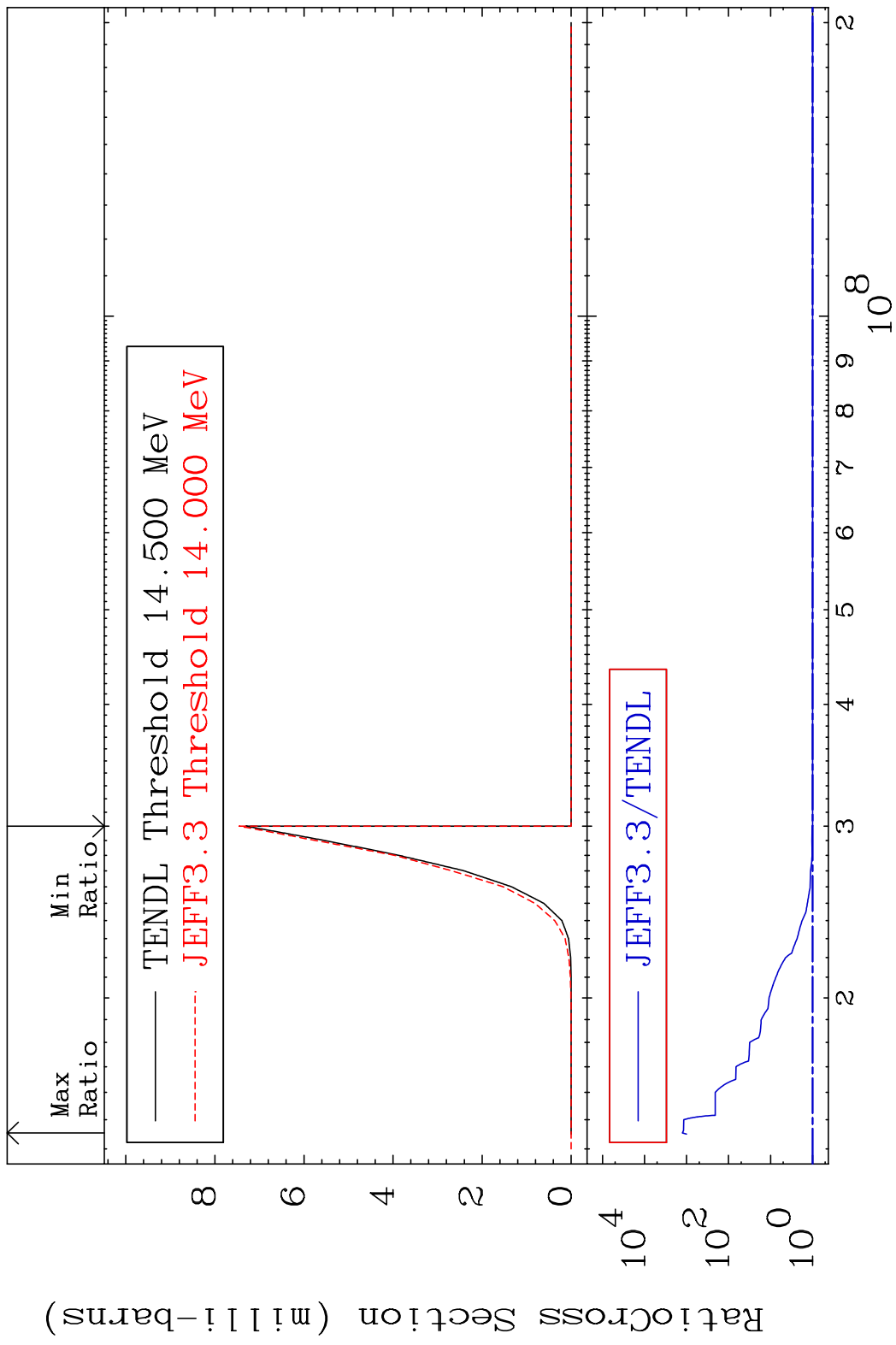
80 Incident Energy (eV) 52-Te-122

MAT 5231 (n,2n):52-Te-121m2 52-Te-122
 Radionuclide Production Cross Section 180.01 dth 71.62 %

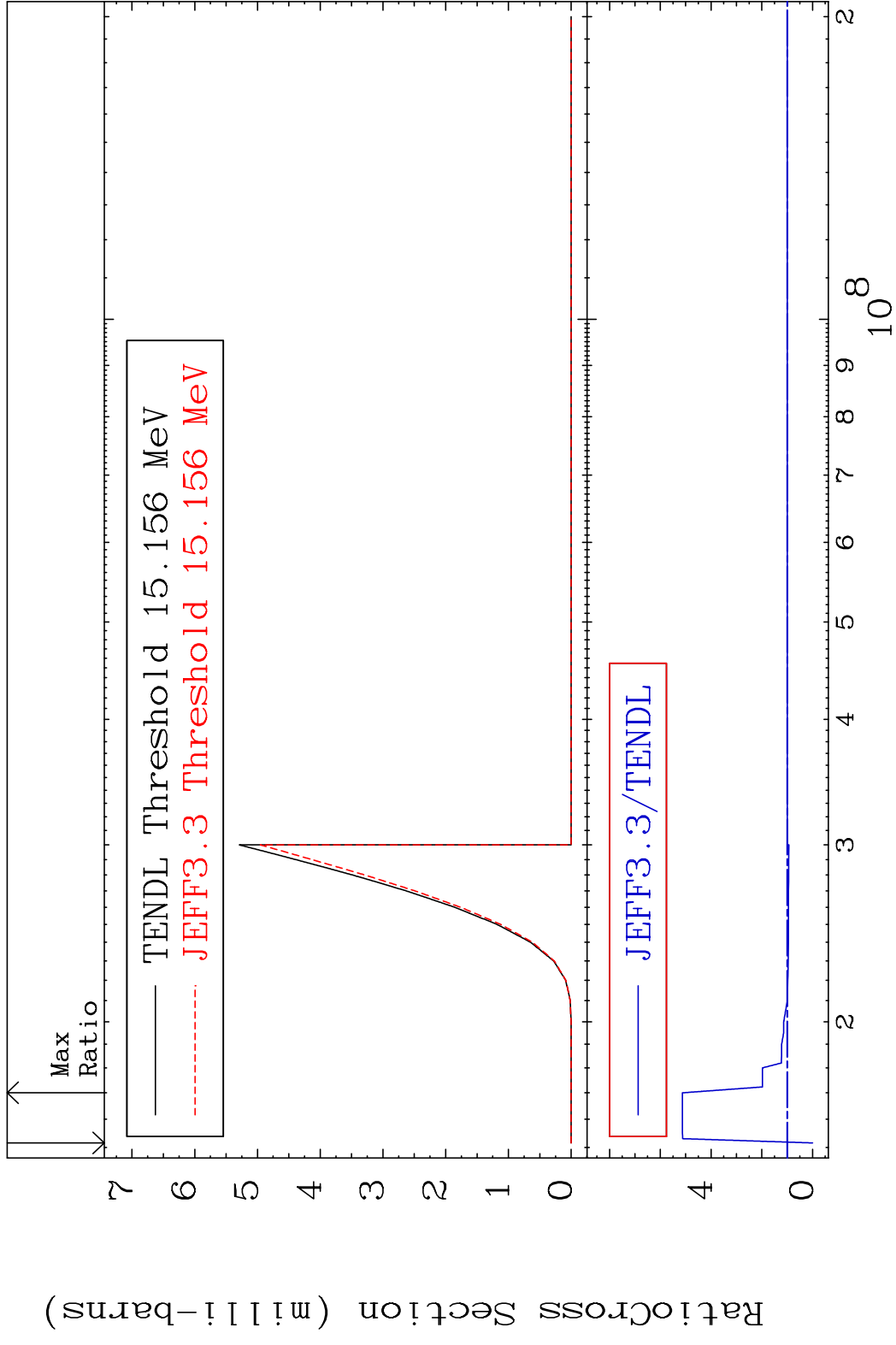




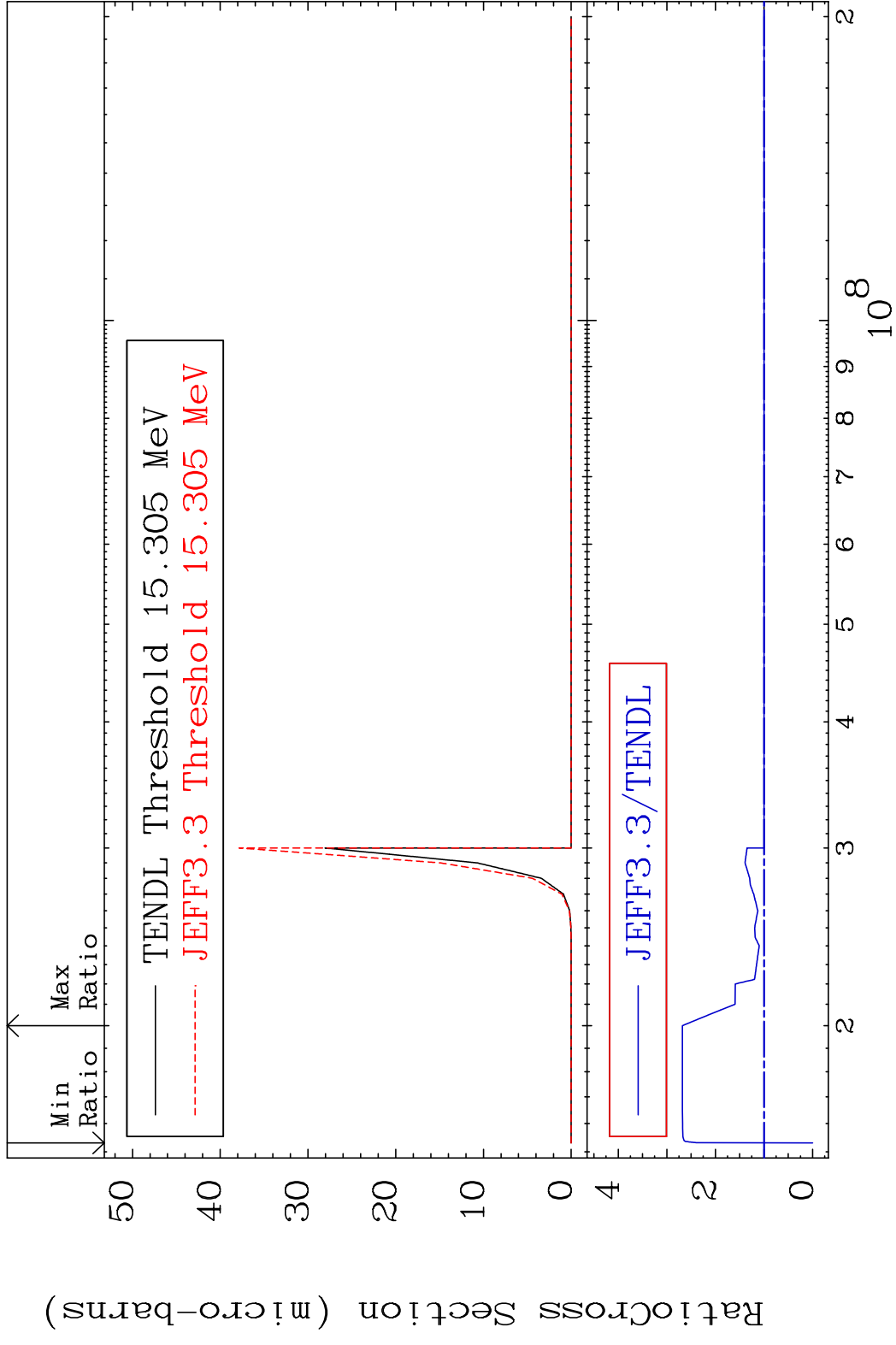
MAT 5231 (n,2n) α :50-Sn-117m2 52-Te-122
 Radionuclide Production Cross Section 9999. %



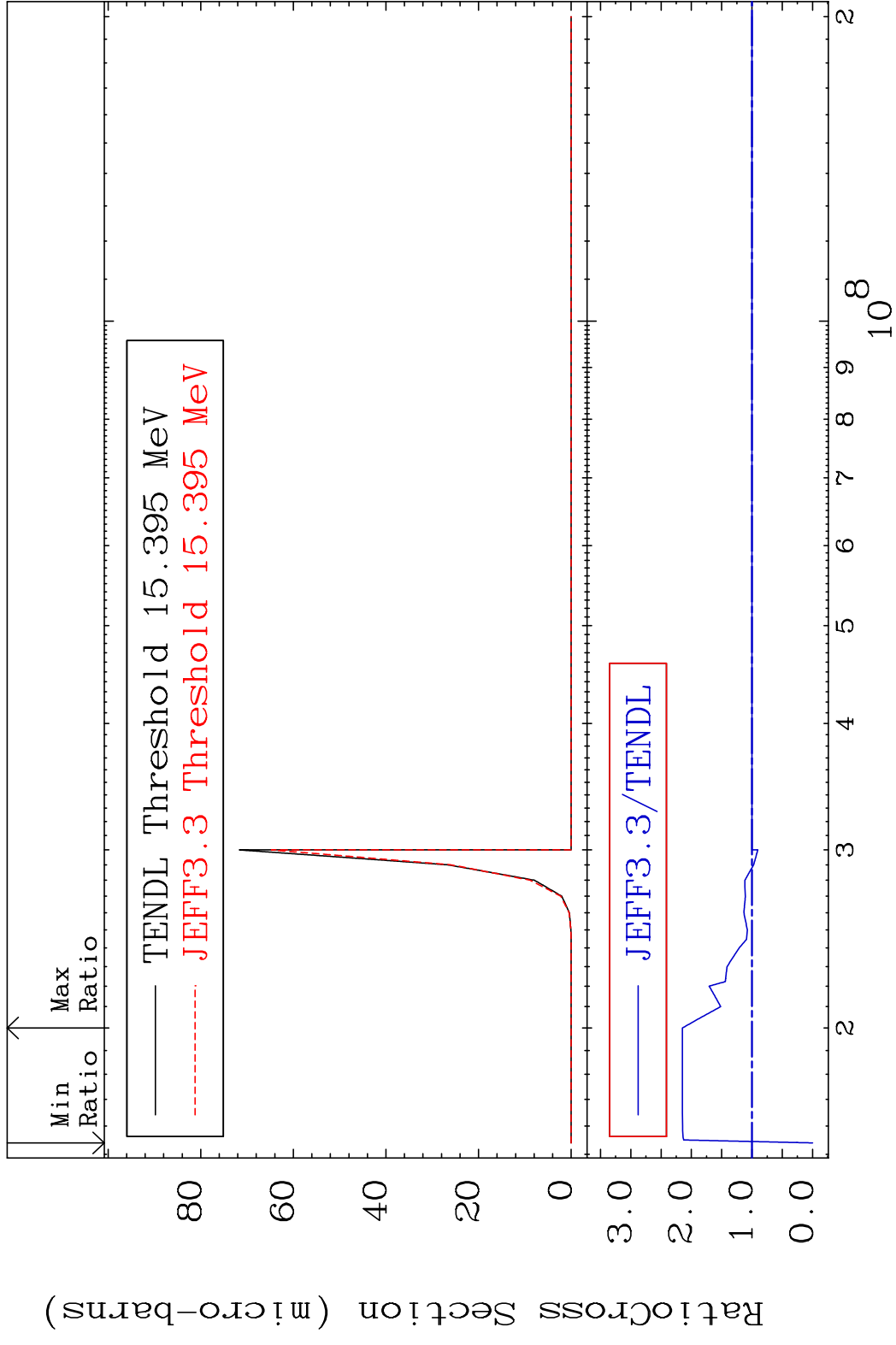
MAT 5231 (n, n') d:51-Sb-120g 52-Te-122
 Radionuclide Production Cross Section 180c0i d10 413.1 %



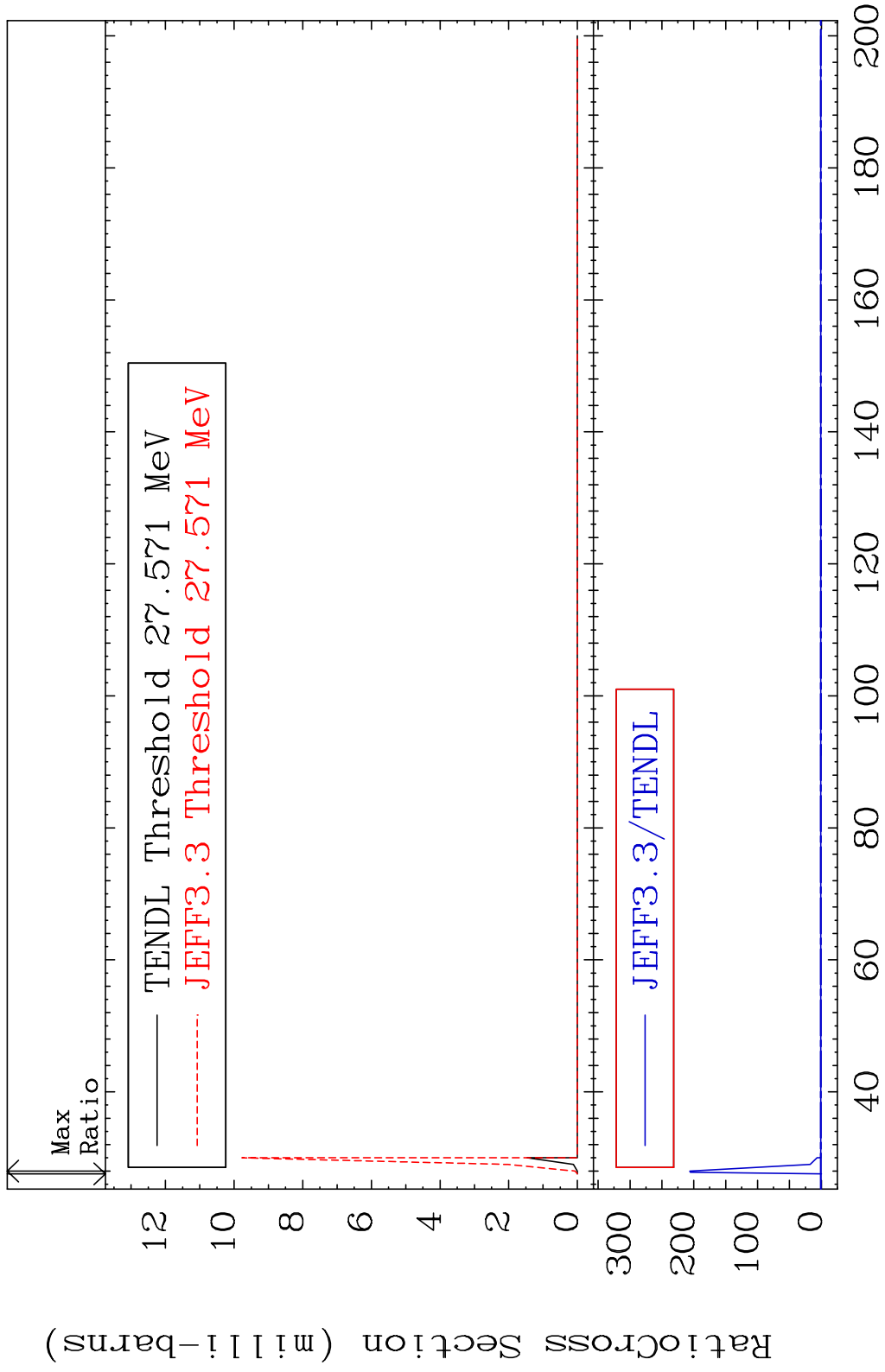
MAT 5231 (n, n') He-3:50-Sn-119g 52-Te-122
 Radionuclide Production Cross Section 168.0 %



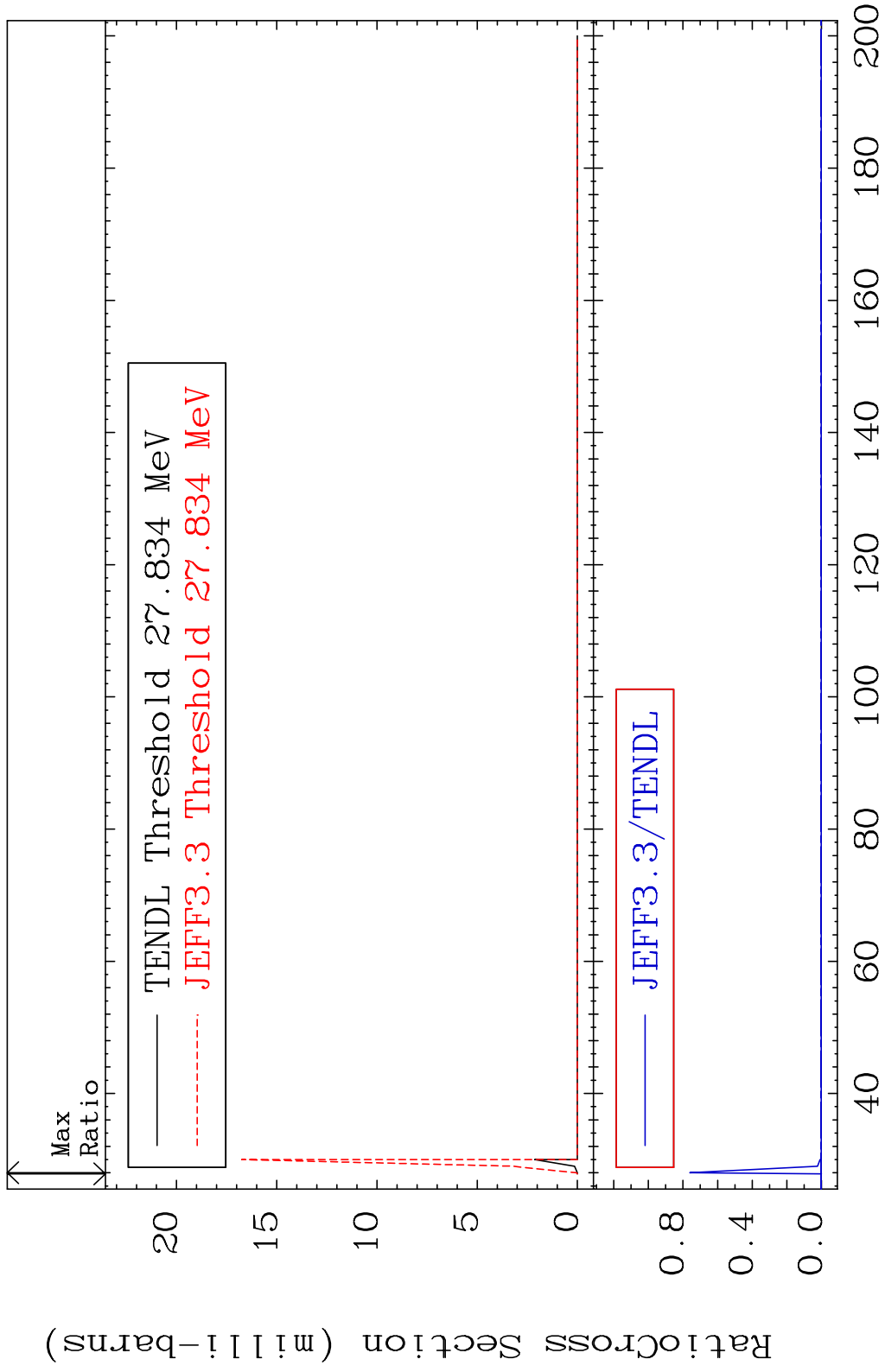
MAT 5231 (n, n') He-3:50-Sn-119m2 52-Te-122
 Radionuclide Production Cross Section 180.01 dth 114.9 %



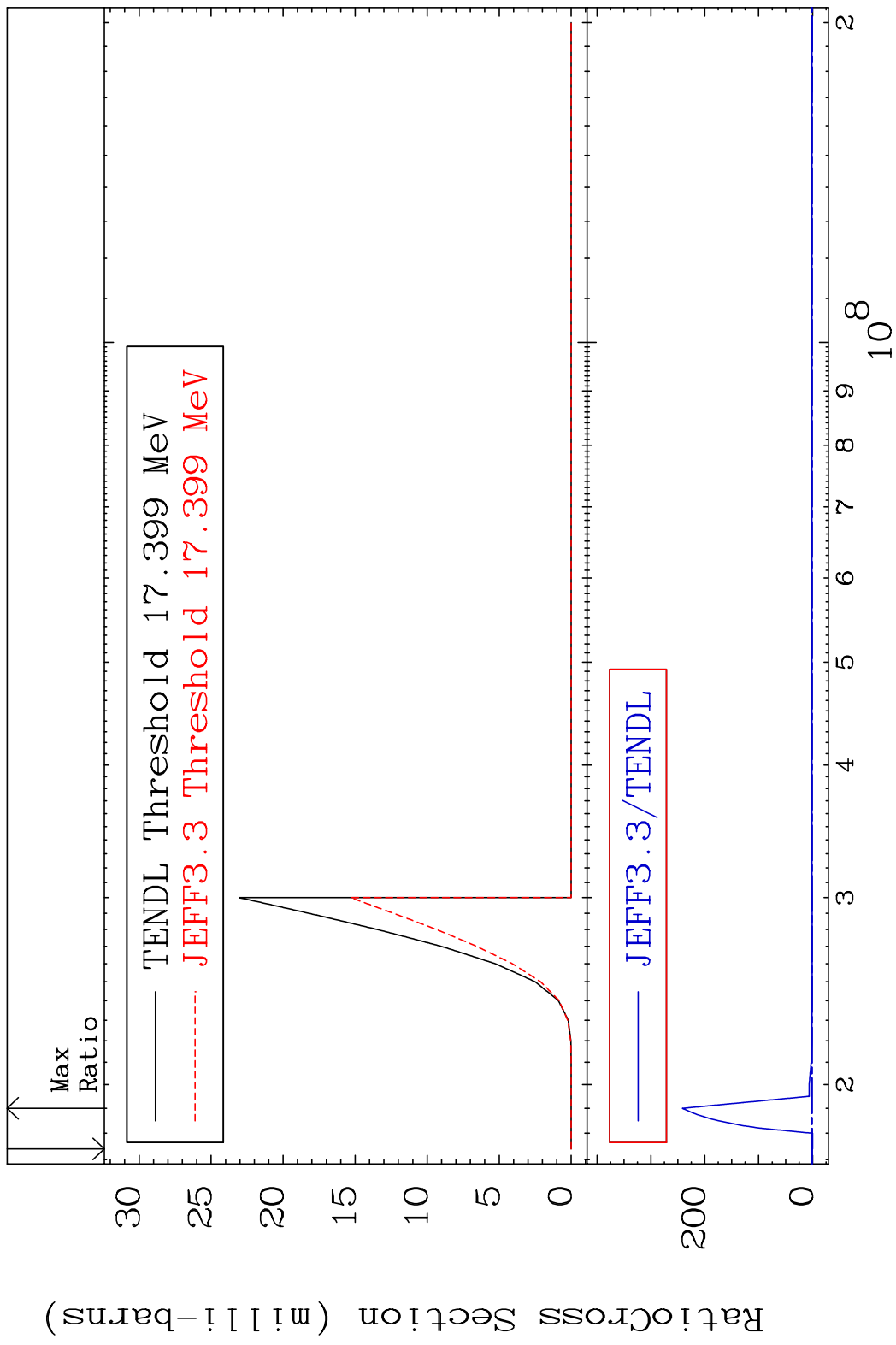
MAT 5231 (n,4n):52-Te-119g 52-Te-122
 Radionuclide Production Cross Section Ratio 9999. %

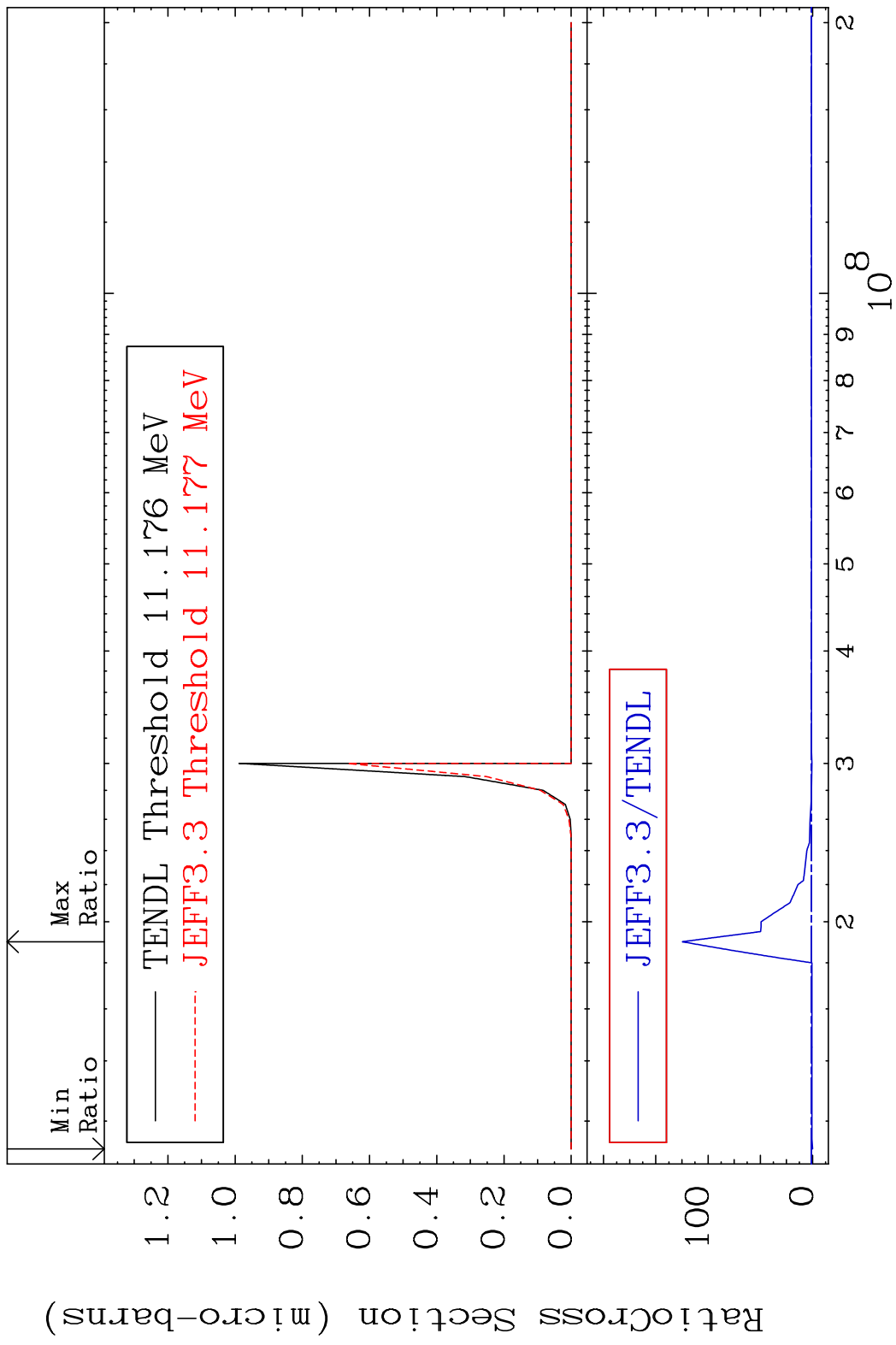


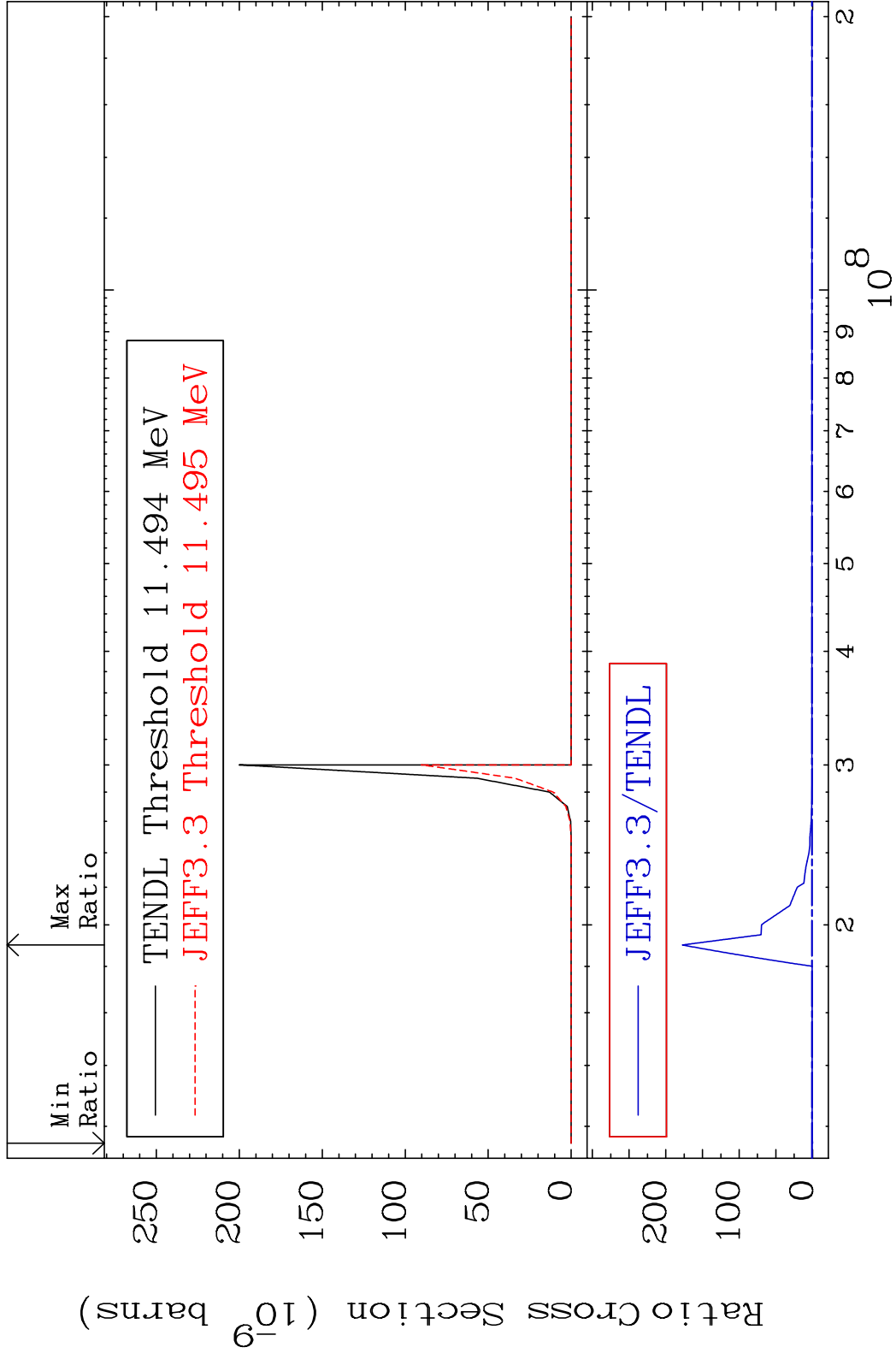
MAT 5231 (n, 4n):52-Te-119m2 52-Te-122
 Radionuclide Production Cross Section Ratio



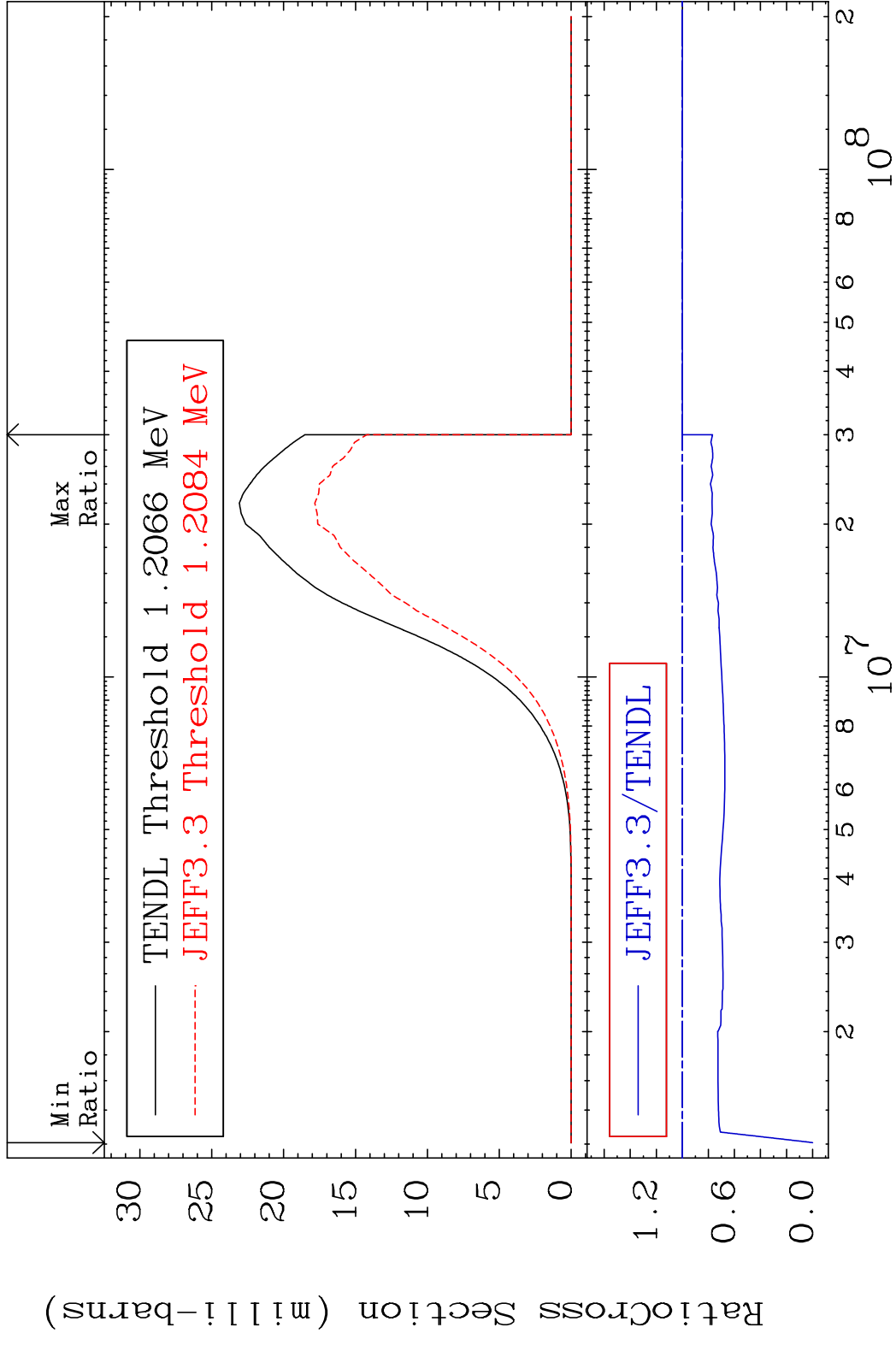
MAT 5231 (n,2n) p:51-Sb-120g 52-Te-122
 Radionuclide Production Cross Section Ratio 9999. %



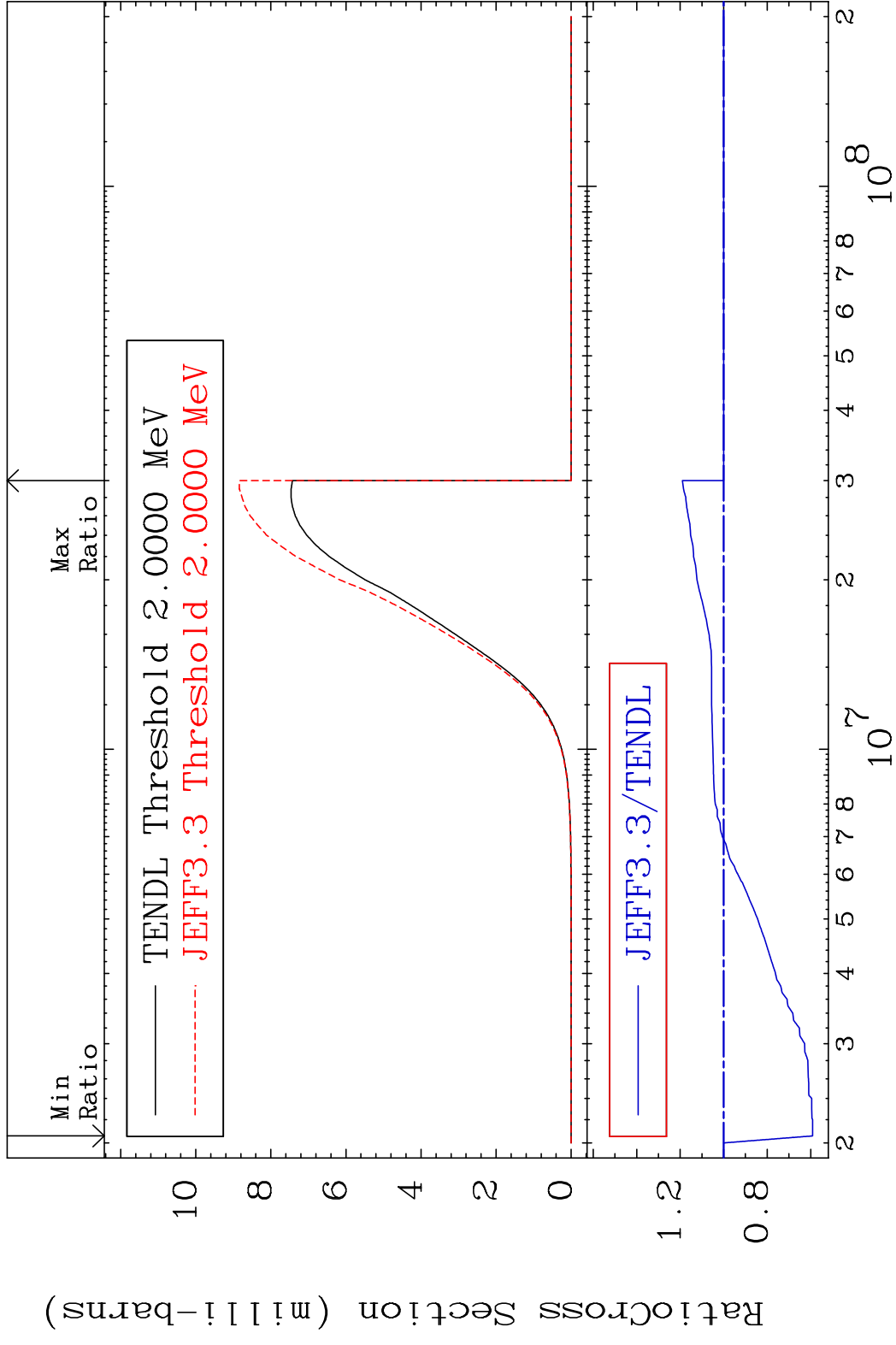




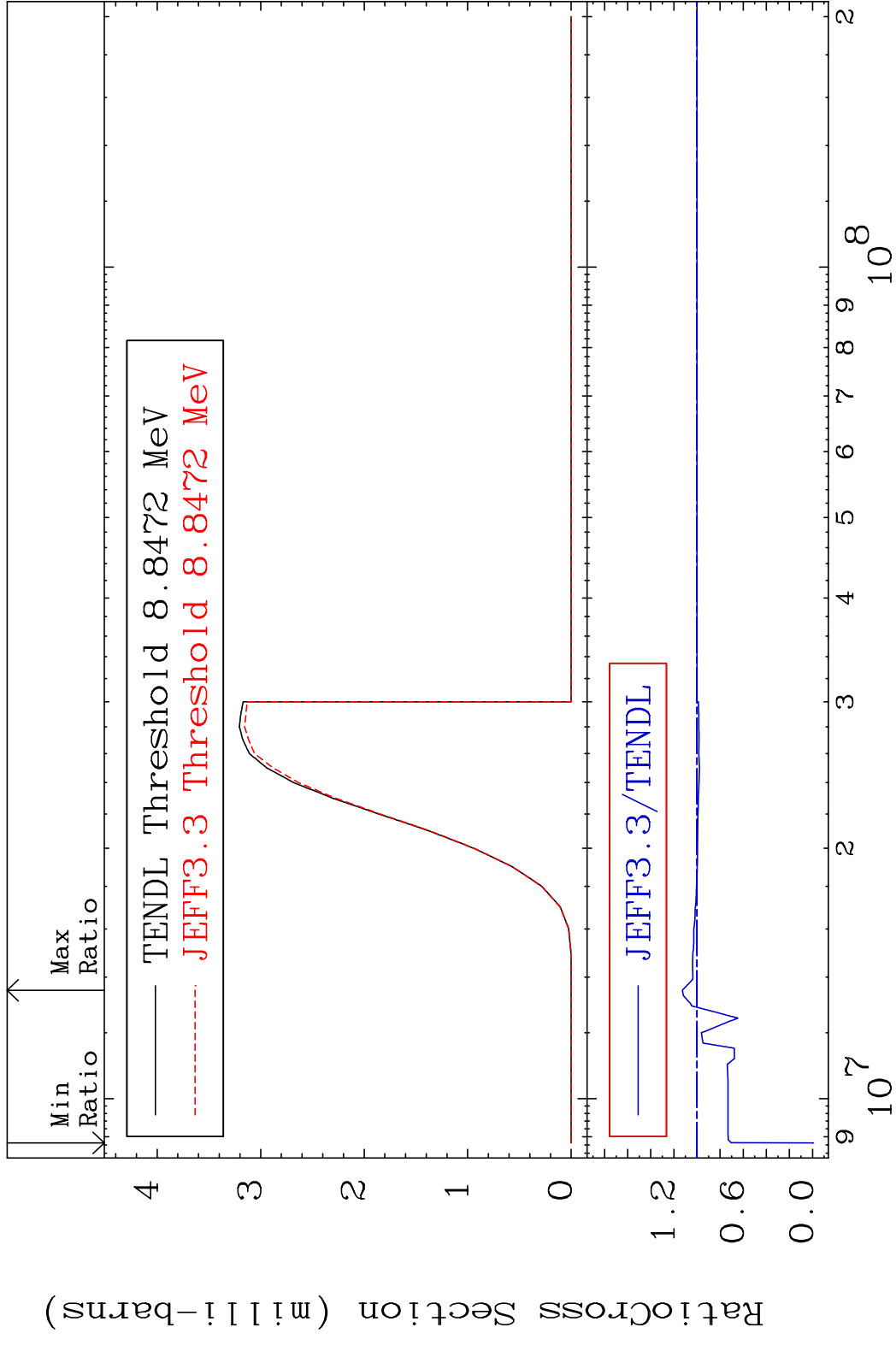
MAT 5231 (n,p):51-Sb-122g 52-Te-122
 Radionuclide Production Cross Section 180.01 dth 0.000 %

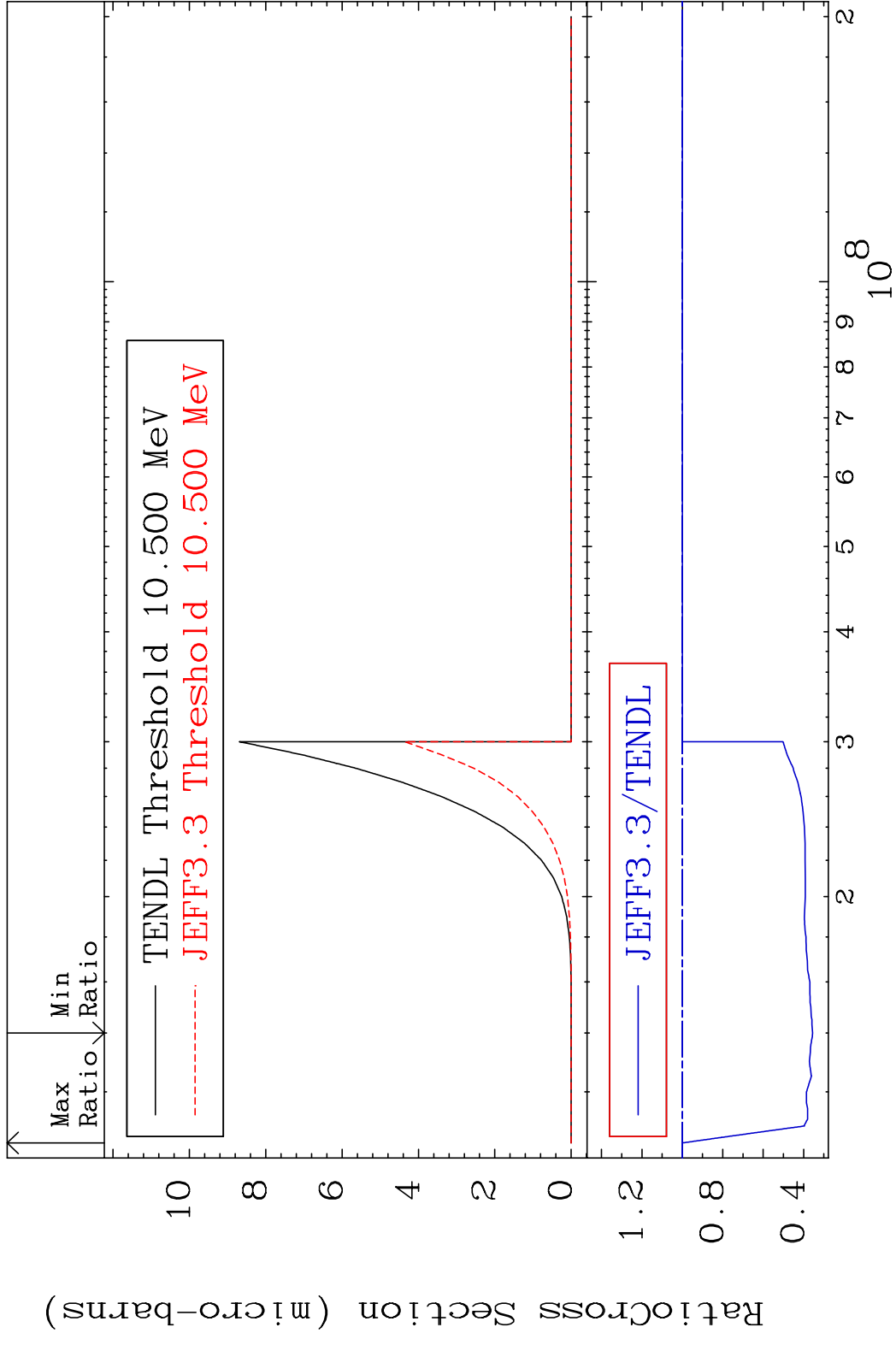


MAT 5231 (n, p):51-Sb-122m5 52-Te-122
 Radionuclide Production Cross Section 19.00 %

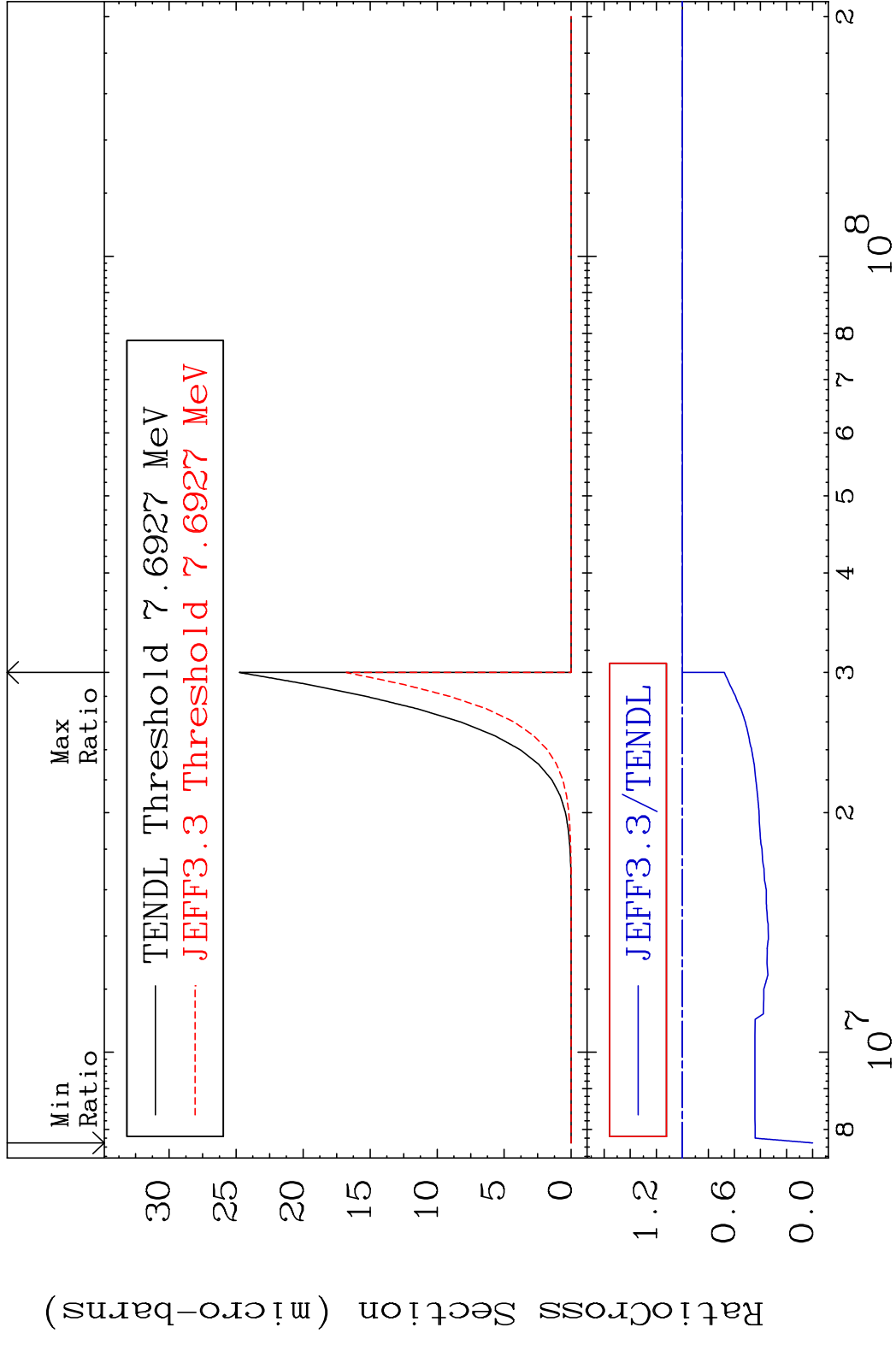


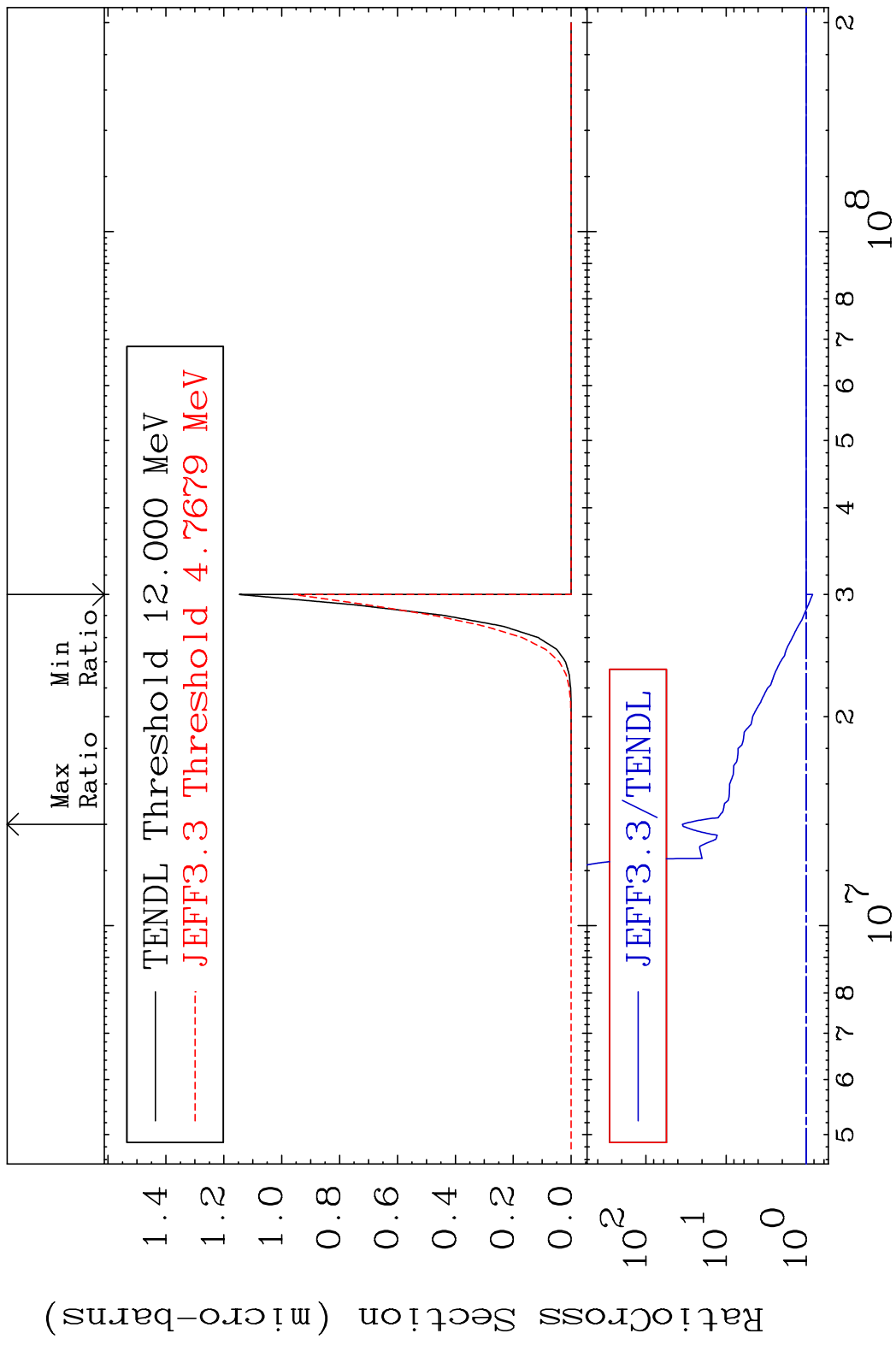
MAT 5231 (n, t):51-Sb-120g 52-Te-122
 Radionuclide Production Cross Section 180.01 dth 12.69 %



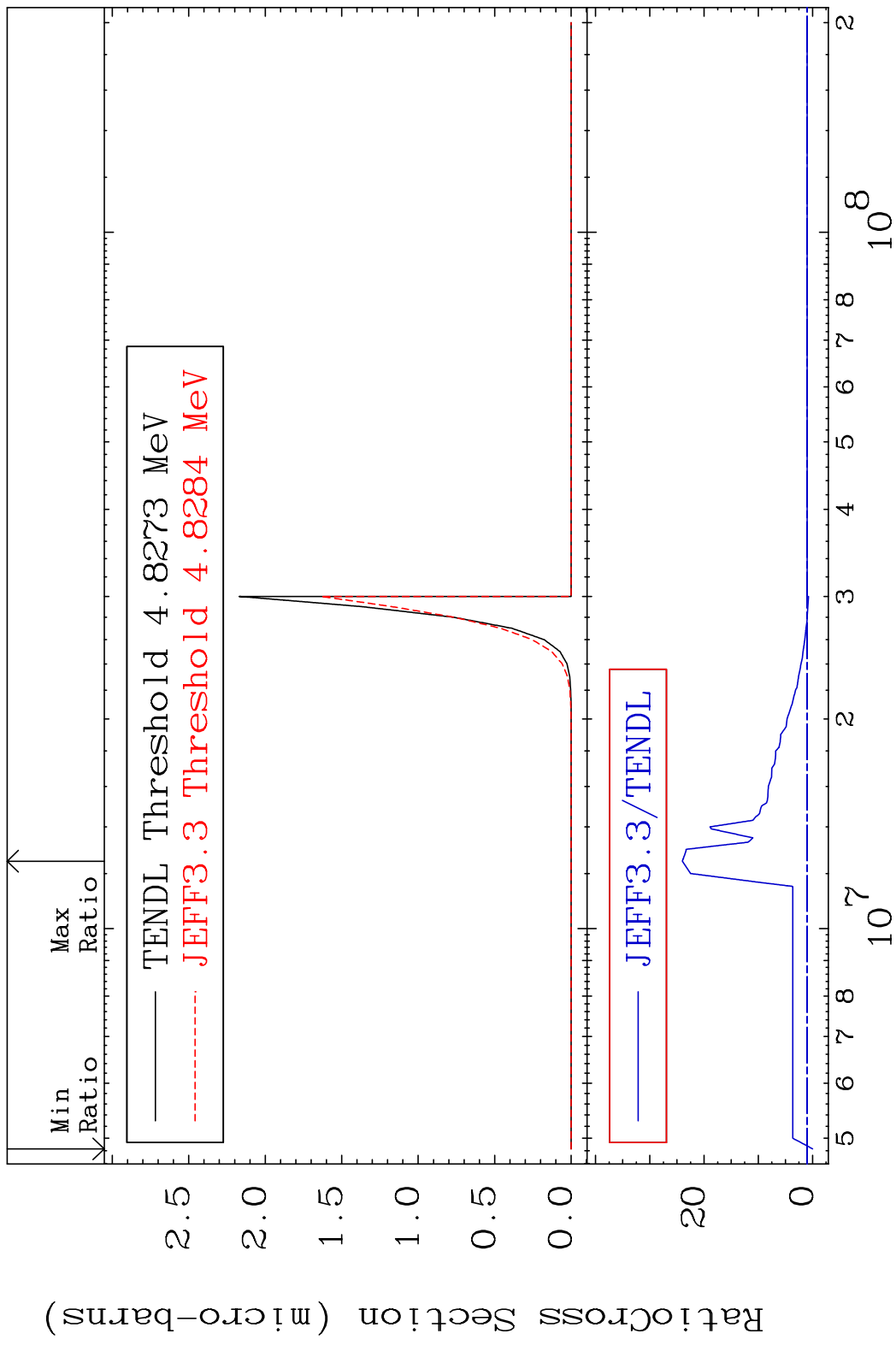


MAT 5231 (n, 2p):50-Sn-121m1 52-Te-122
 Radionuclide Production Cross Section 180.01 dth 0.000 %

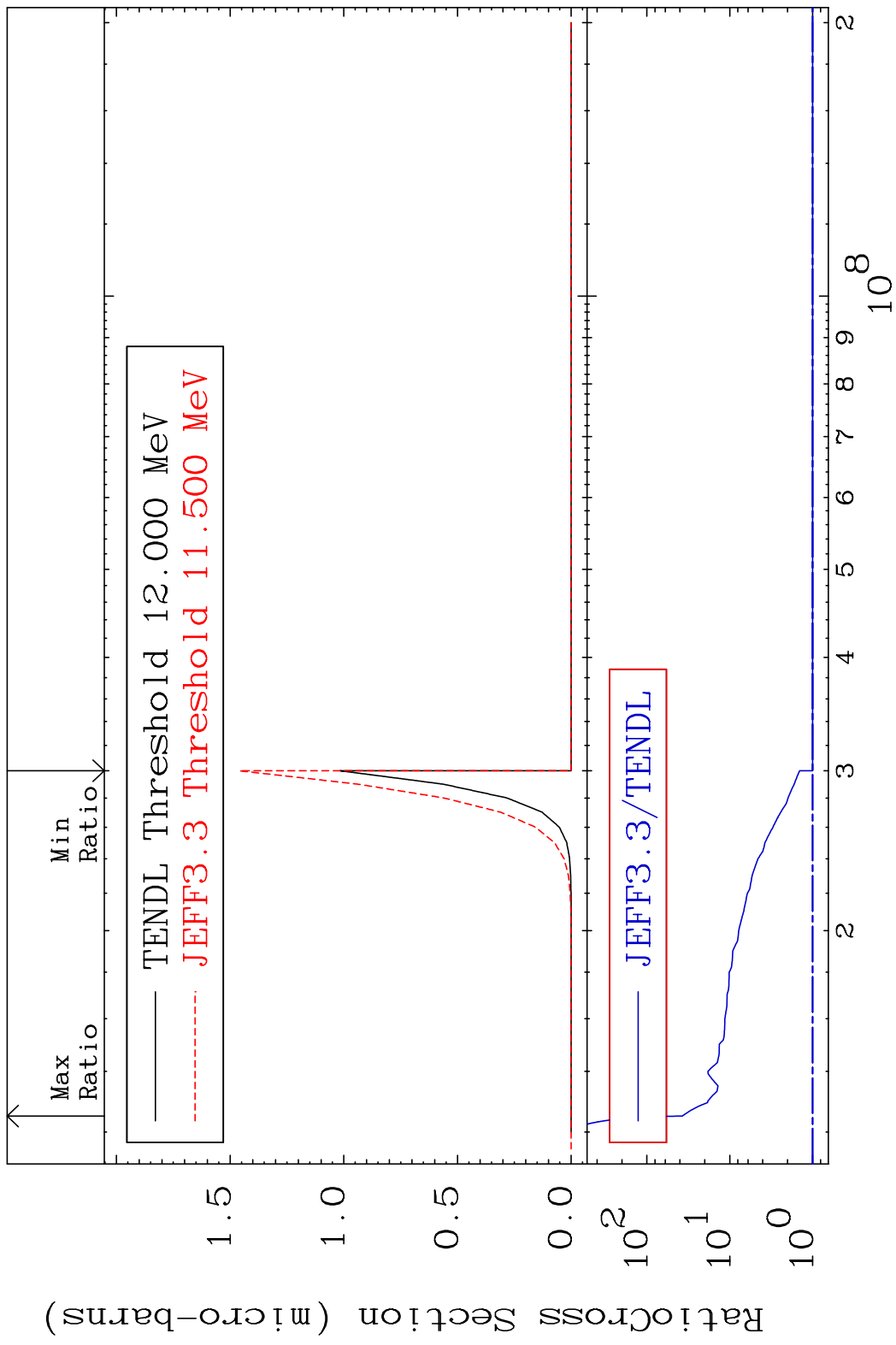




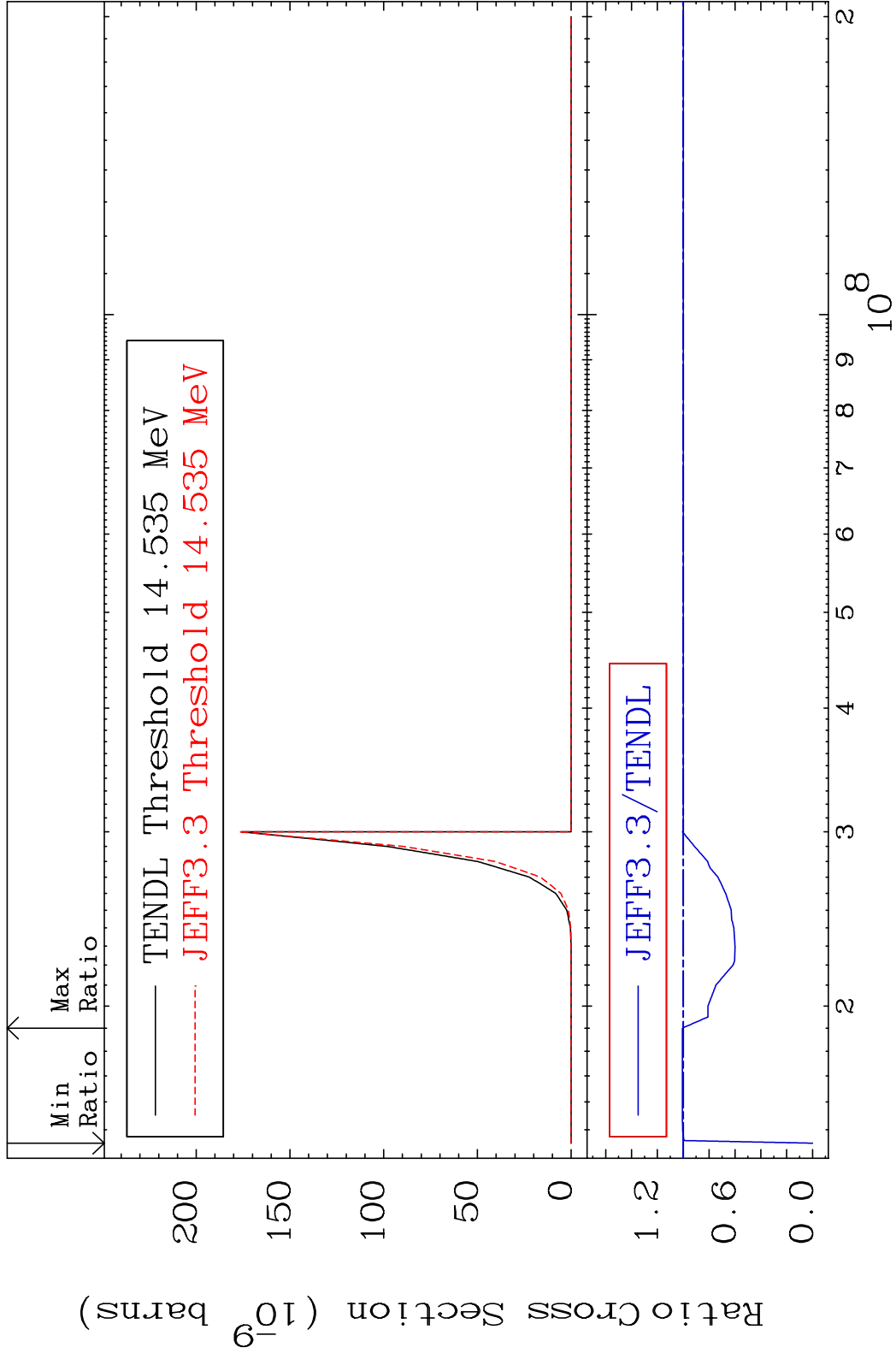
MAT 5231 (n, p) α :49-In-118m1 52-Te-122
 Radionuclide Production Cross Section Ratio 2300. %



MAT 5231 (n, p) α :49-In-118m3 52-Te-122
 Radionuclide Production Cross Section 3632. %

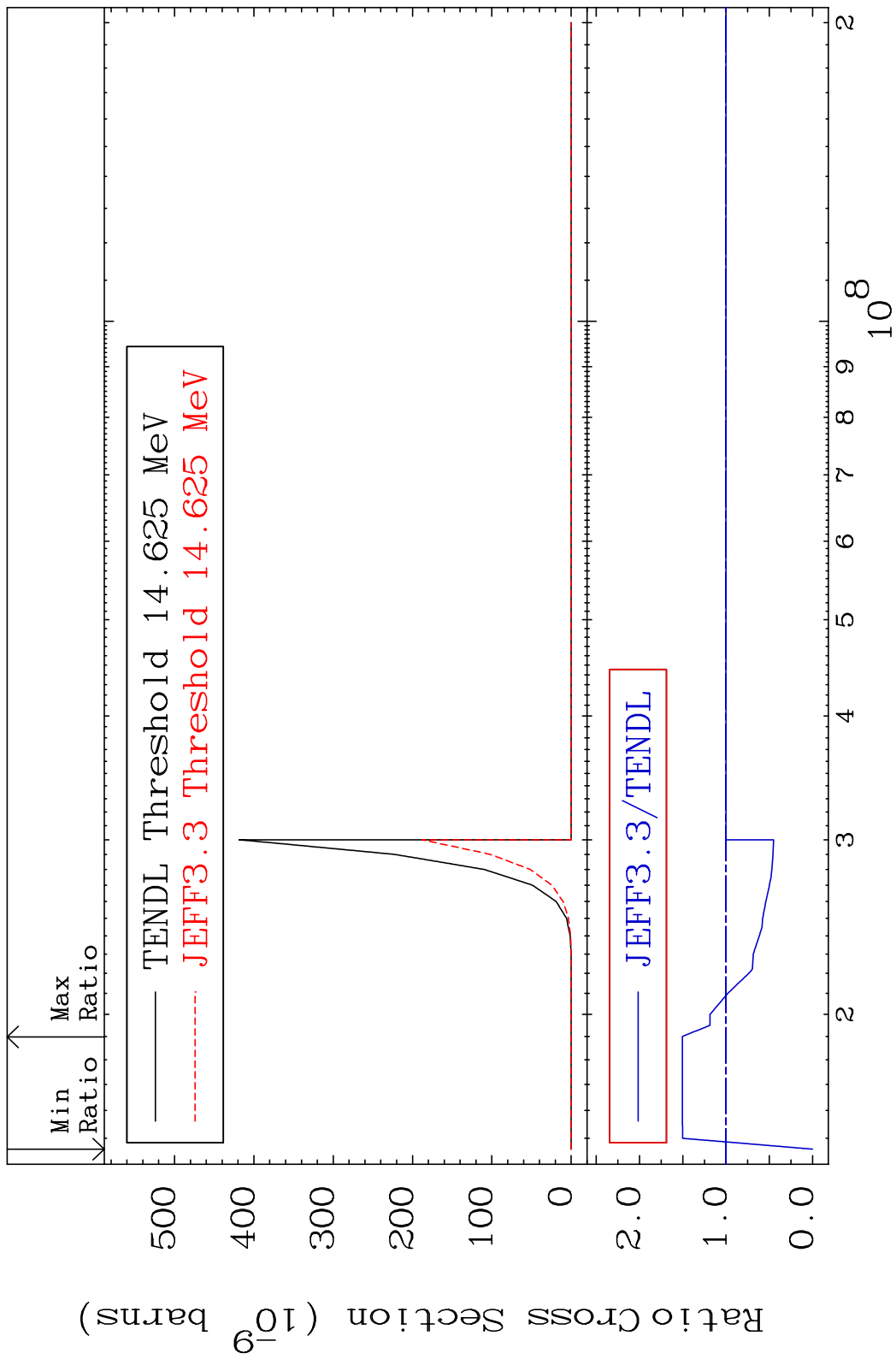


MAT 5231 (n,p) t:50-Sn-119g 52-Te-122
 Radionuclide Production Cross Section 1800 d to 0.690 %

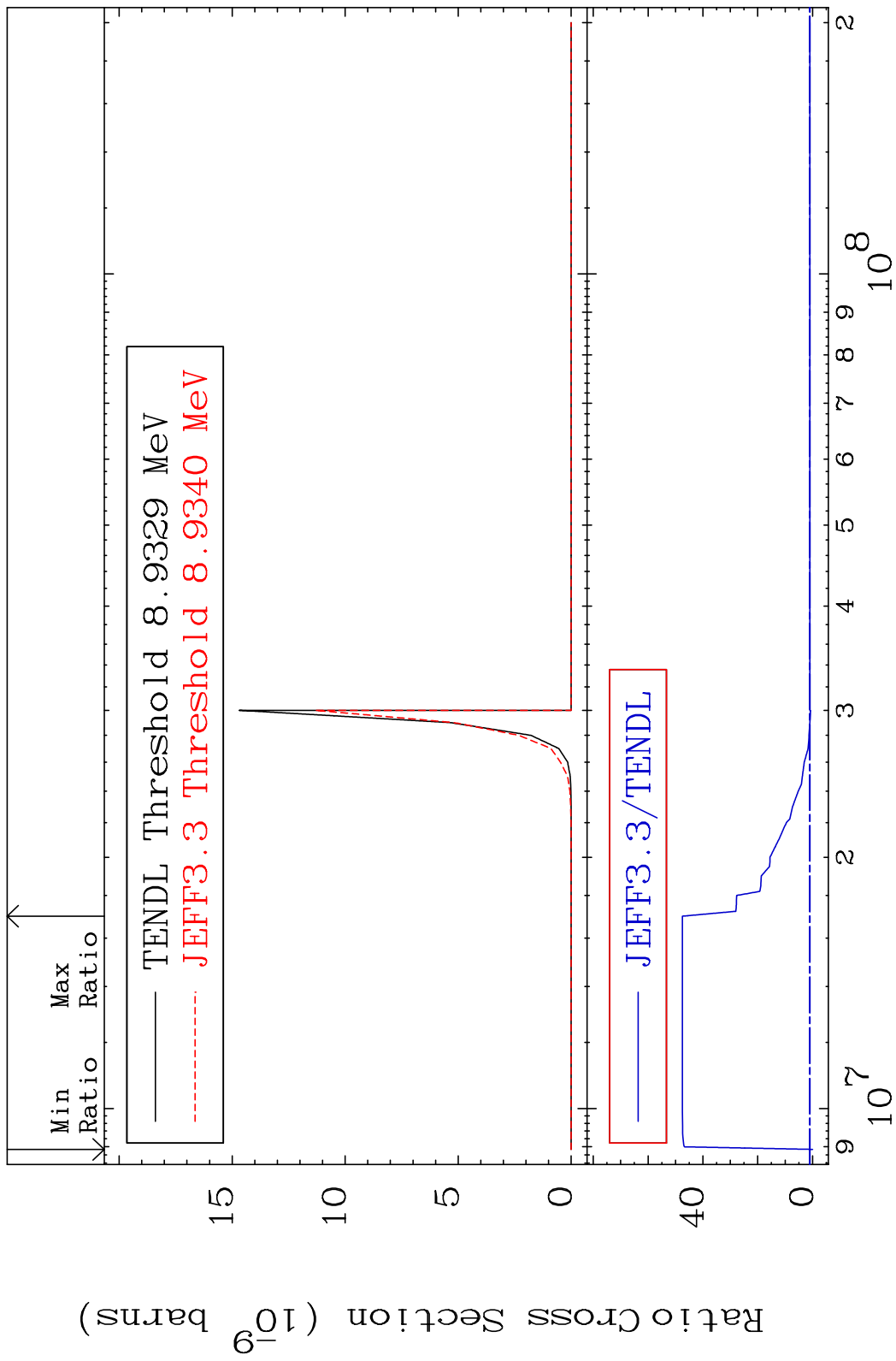


100 Incident Energy (eV) 52-Te-122

MAT 5231 (n, p) t:50-Sn-119m2 52-Te-122
 Radionuclide Production Cross Section 180.01 dth 50.52 %

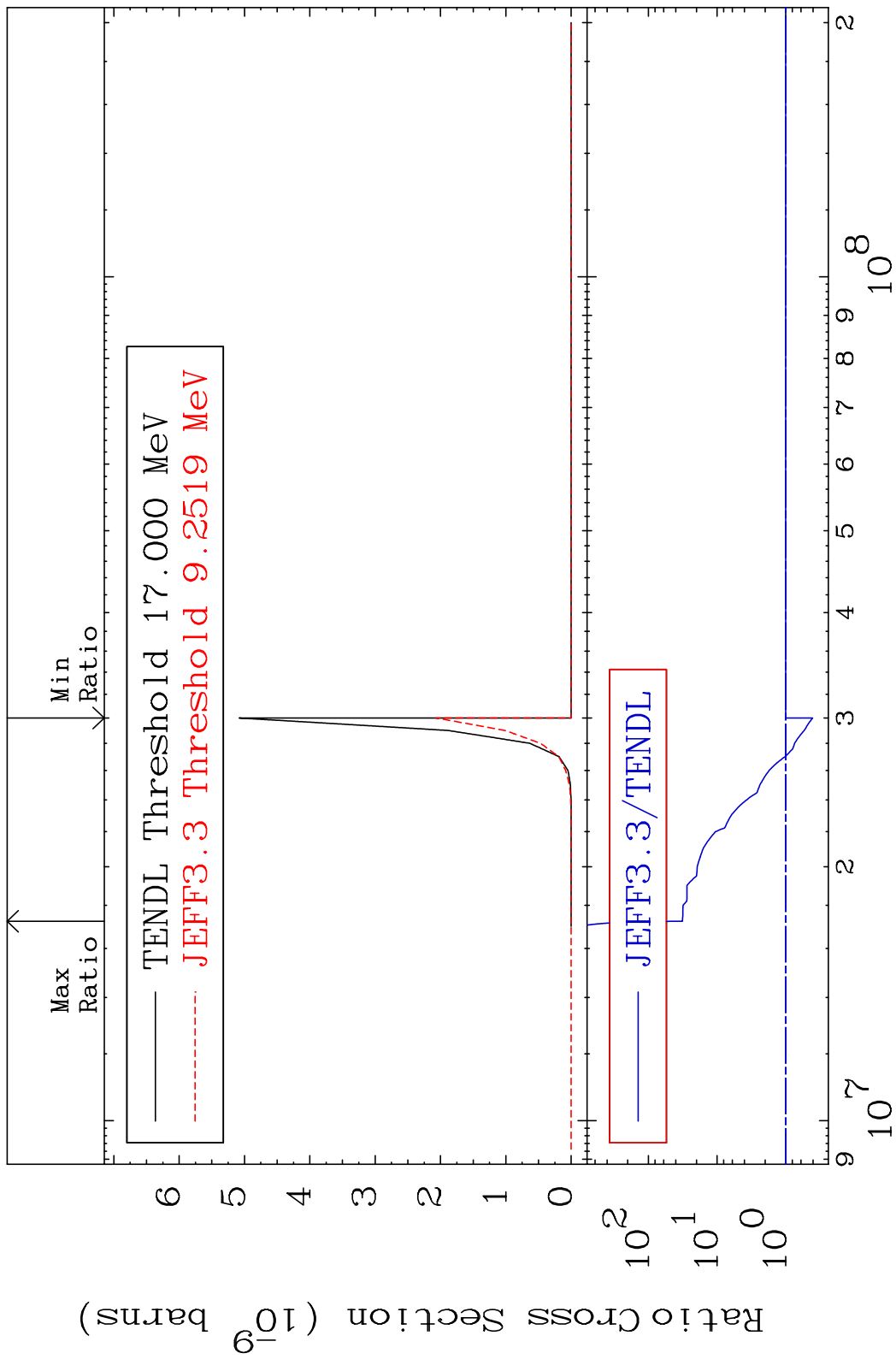


MAT 5231 (n, d) α :49-In-117g 52-Te-122
 Radionuclide Production Cross Section Ratio 4650. %



102 Incident Energy (eV) 52-Te-122

MAT 5231 (n, d) α : 49-In-117m1 52-Te-122
 Radionuclide Production Cross Section ~~58e-27~~ to 3105. %



103 Incident Energy (eV) 52-Te-122