

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

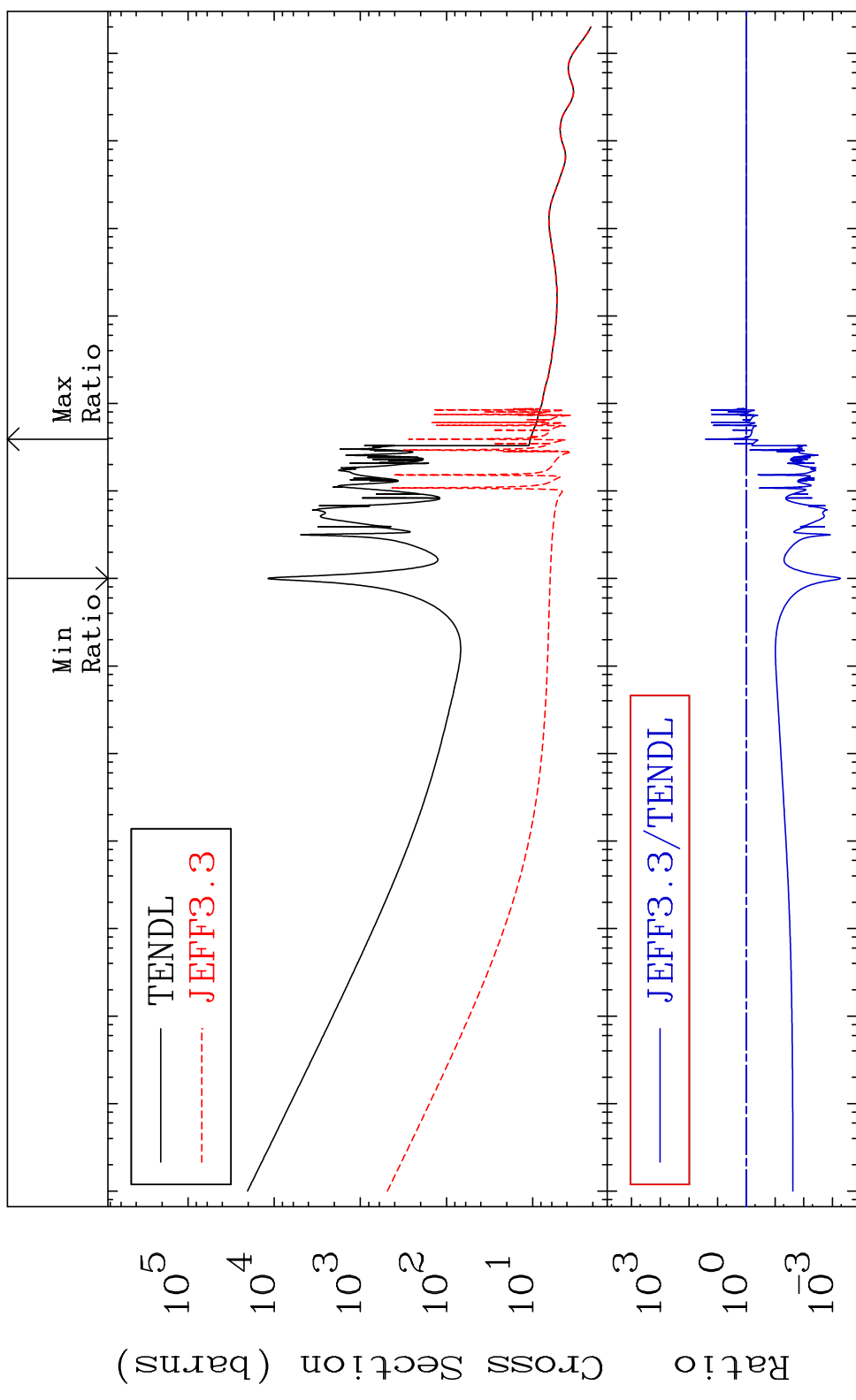
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 5259

Total Cross Section
52-Te-131m
-99.95 To 2503. %



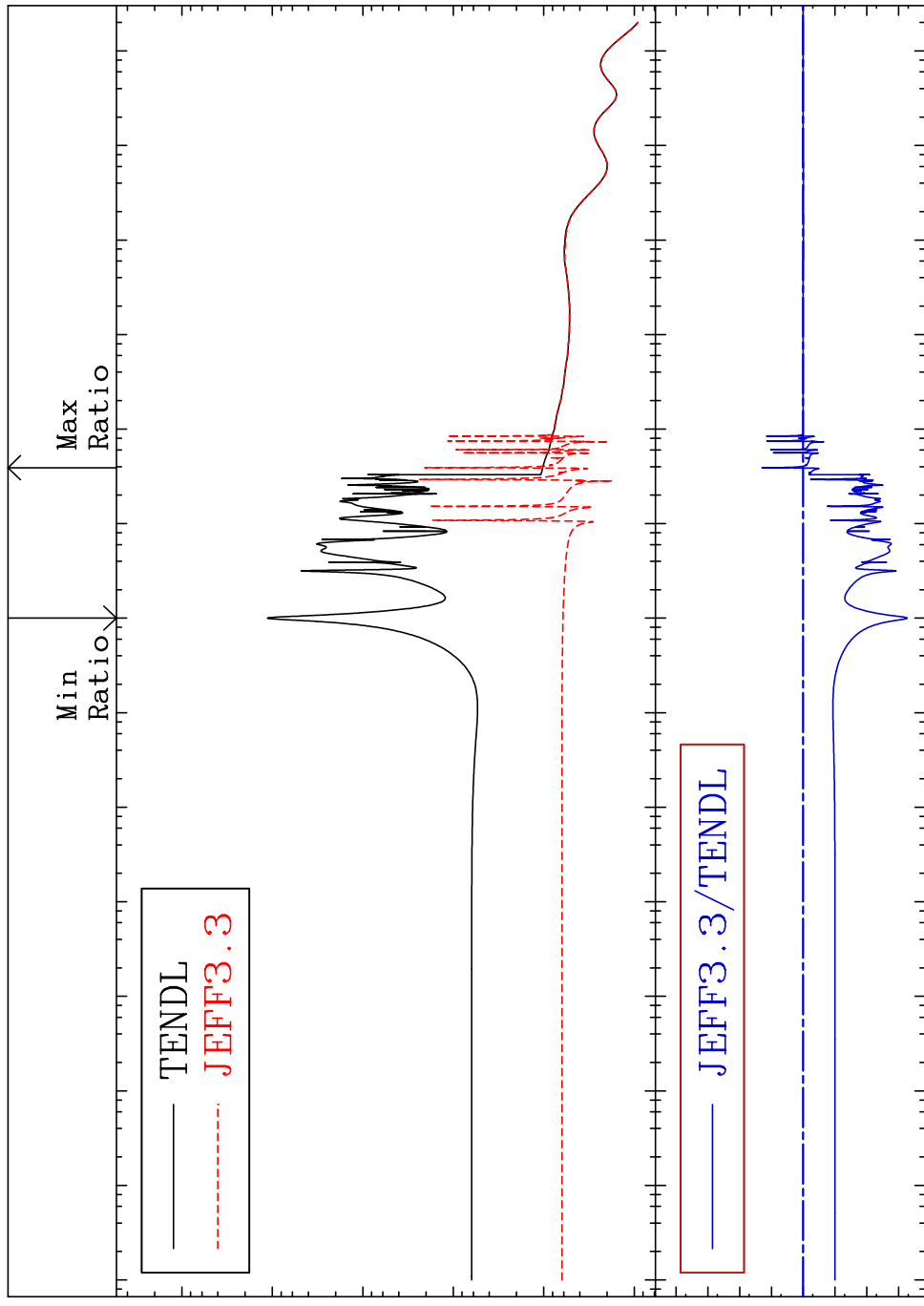
1 Incident Energy (eV) 52-Te-131m

MAT 5259

Elastic

52-Te-131m

Cross Section -99.95 To 1905. %



10⁵
10⁴
10³
10²
10¹
10⁰
10²
10⁰
10⁻²

Cross Section (barns)

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

2

Incident Energy (eV)

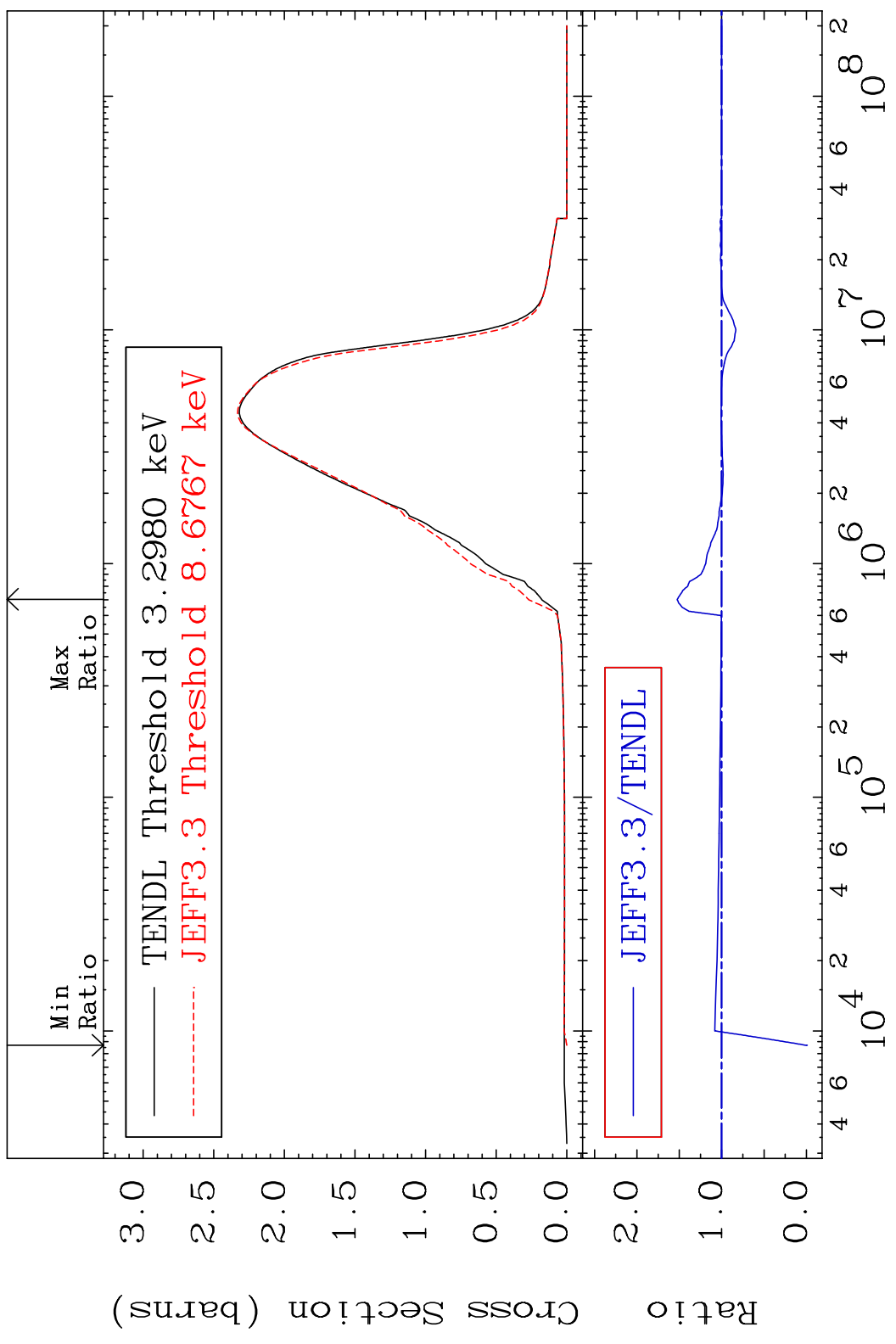
52-Te-131m

MAT 5259

Inelastic

52-Te-131m

Cross Section -100.0 To 52.51 %

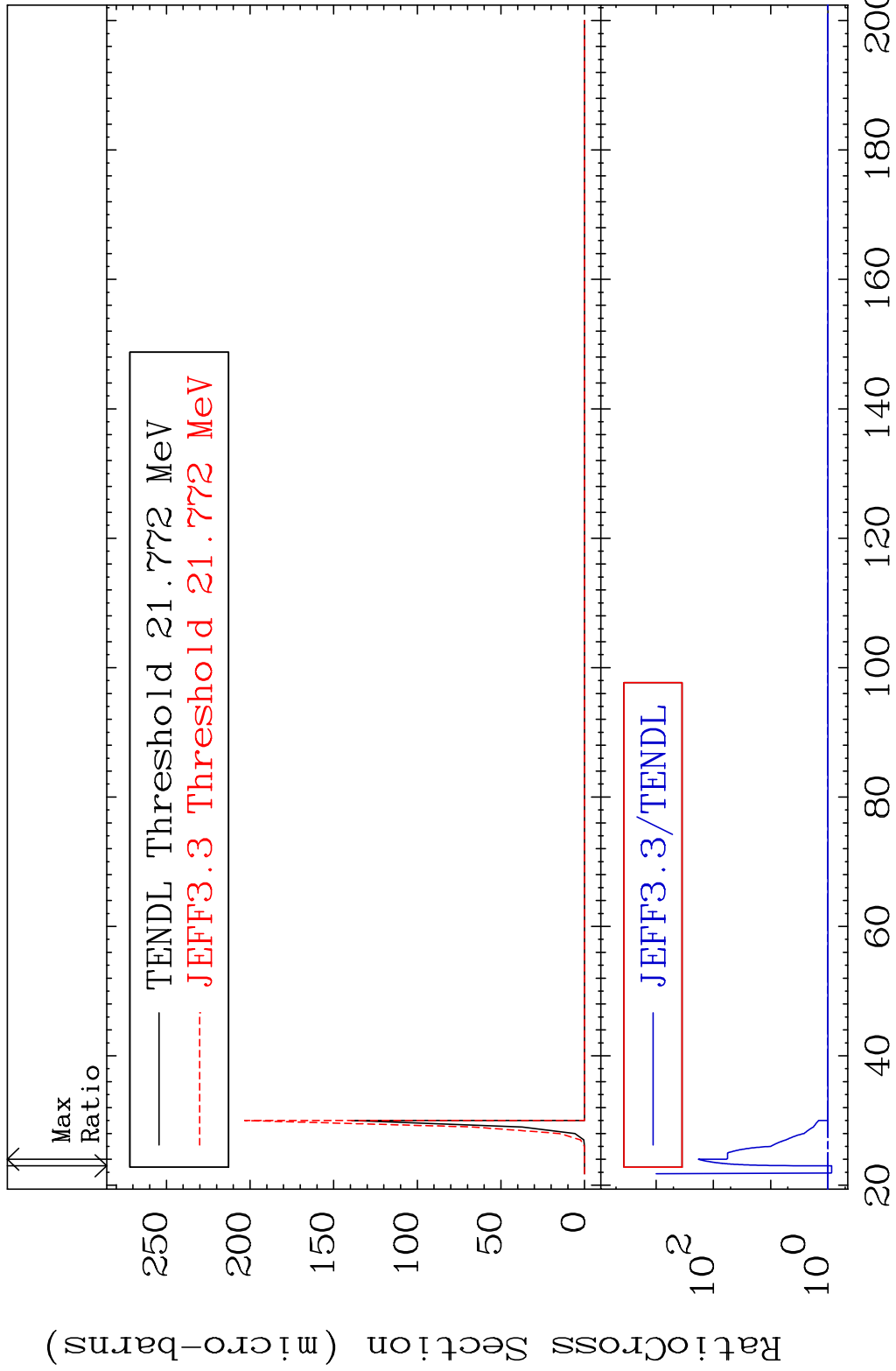


MAT 5259

(n,2n) d

52-Te-131m

Cross Section -13.81 To 9999. %

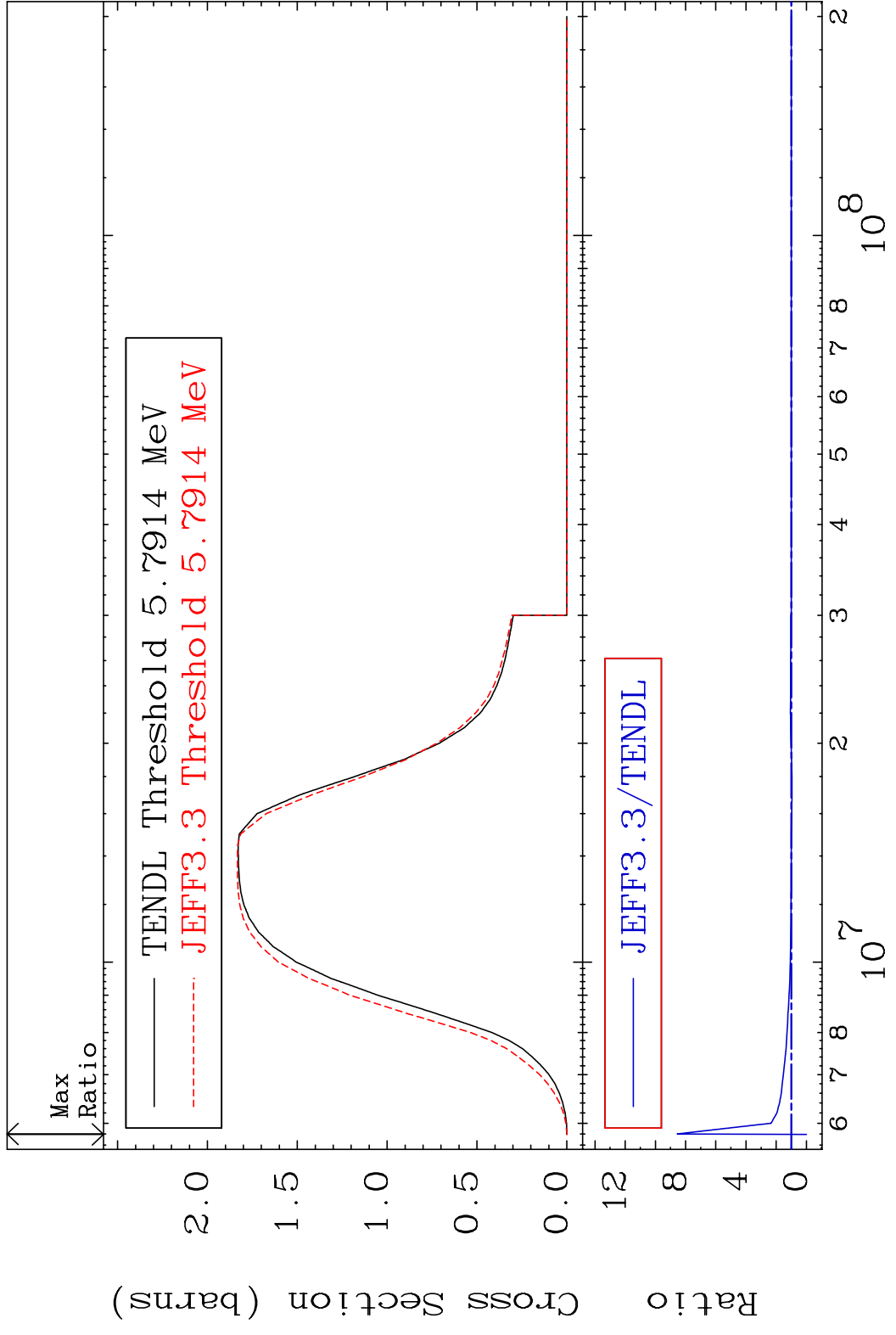


MAT 5259

(n,2n)

52-Te-131m

Cross Section -100.0 To 755.8 %



5

Incident Energy (eV)

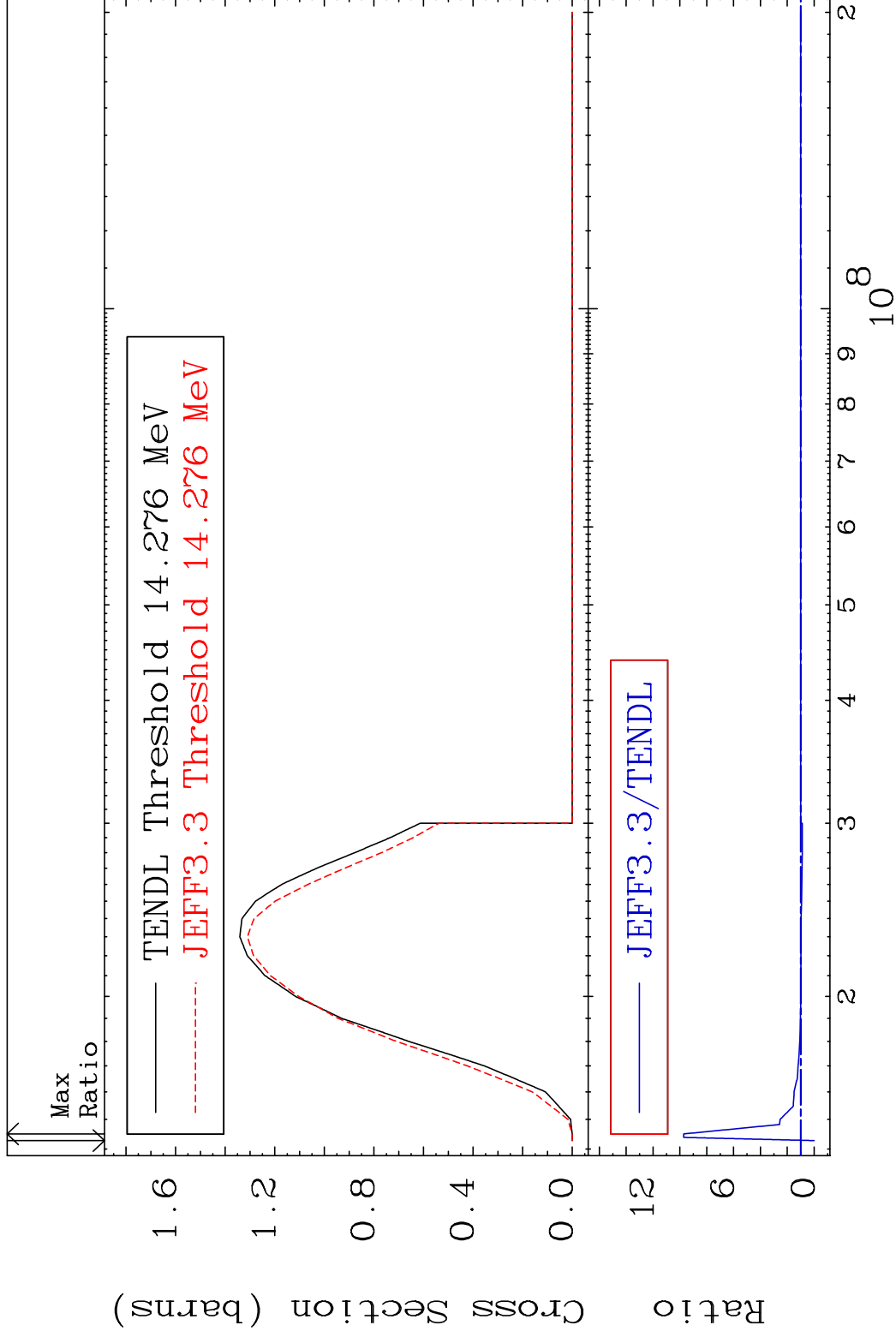
52-Te-131m

MAT 5259

(n,3n)

52-Te-131m

Cross Section -100.0 To 871.8 %



6

Incident Energy (eV)

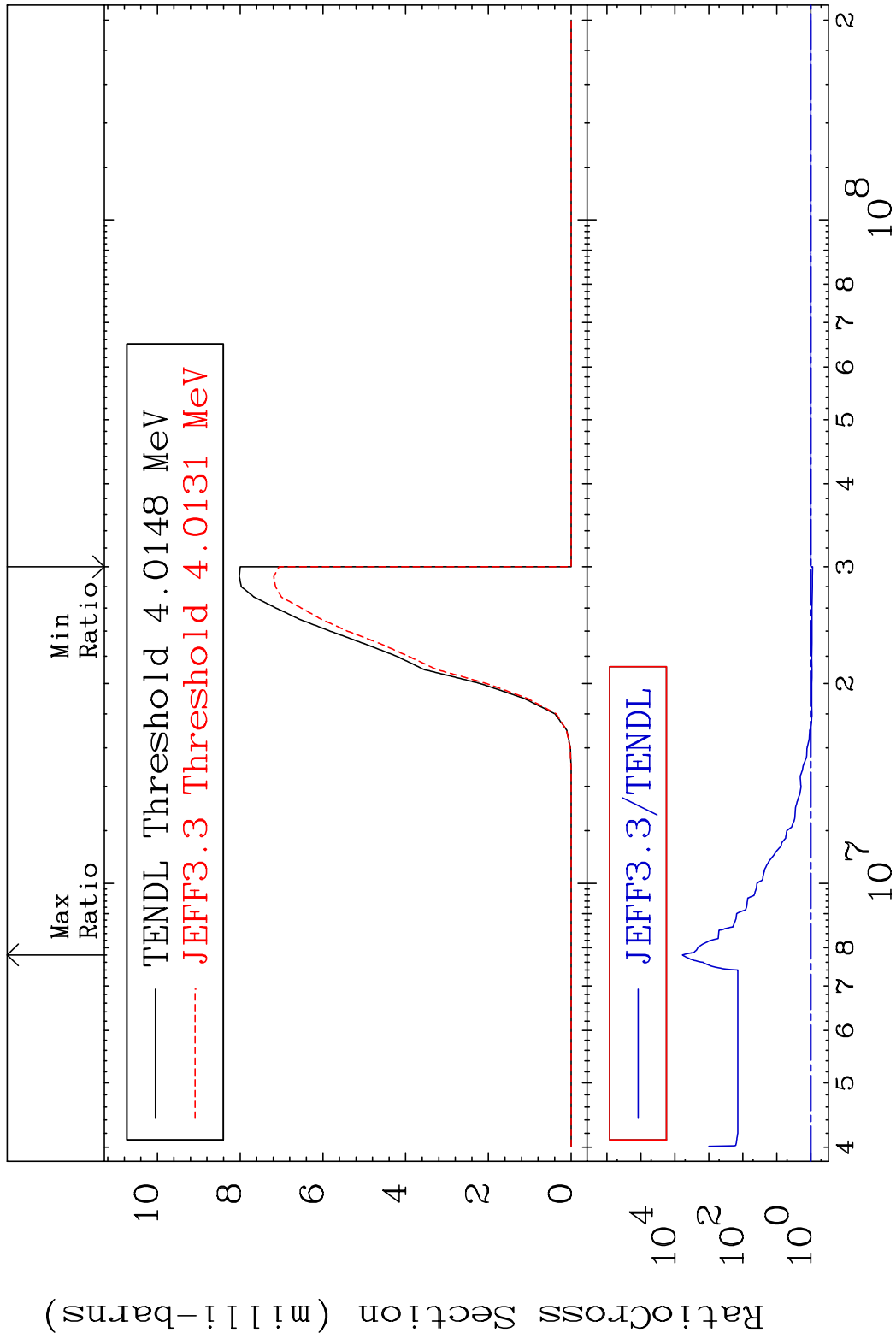
52-Te-131m

MAT 5259

(n, n') α

52-Te-131m

Cross Section -11.77 To 9999. %

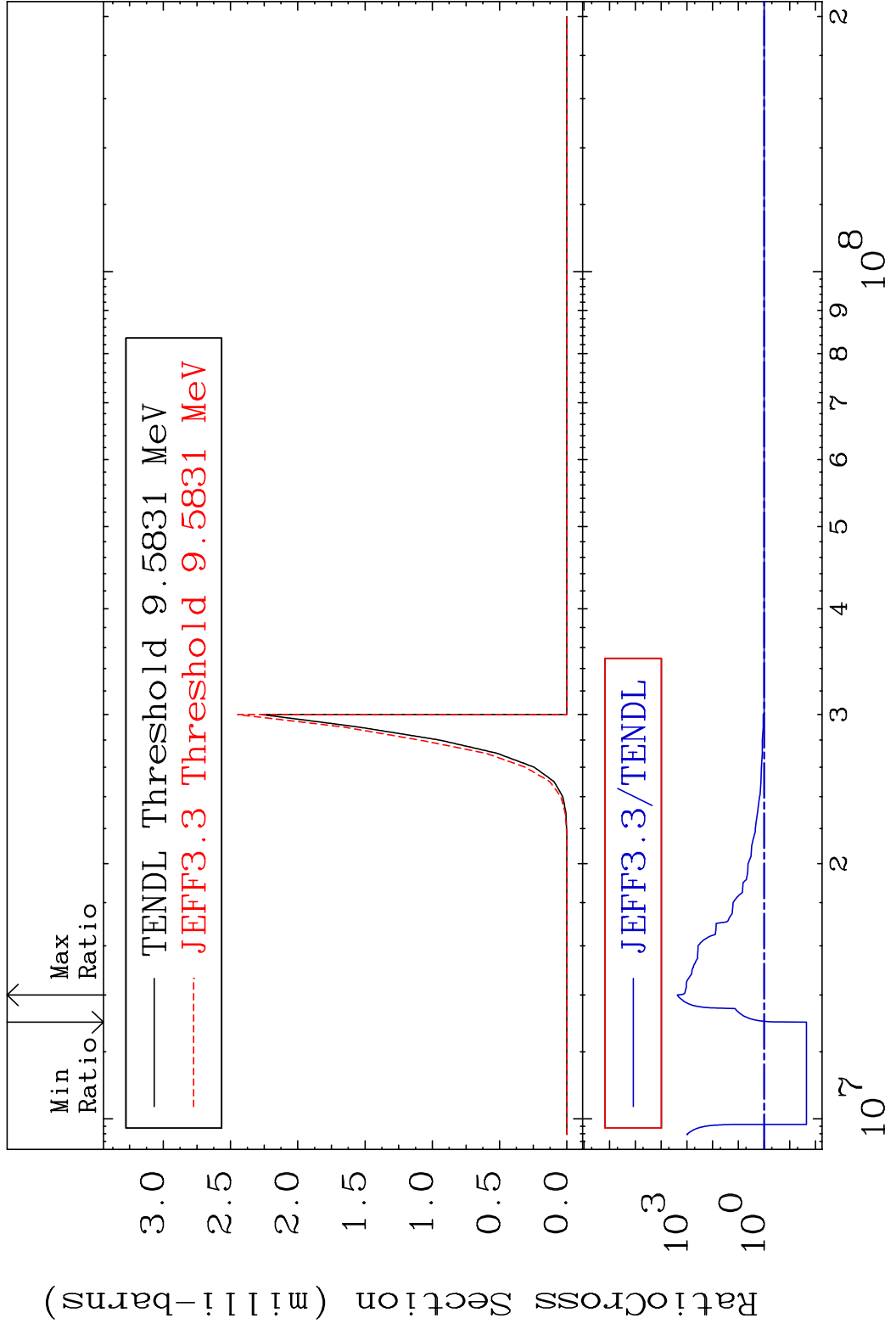


7

Incident Energy (eV)

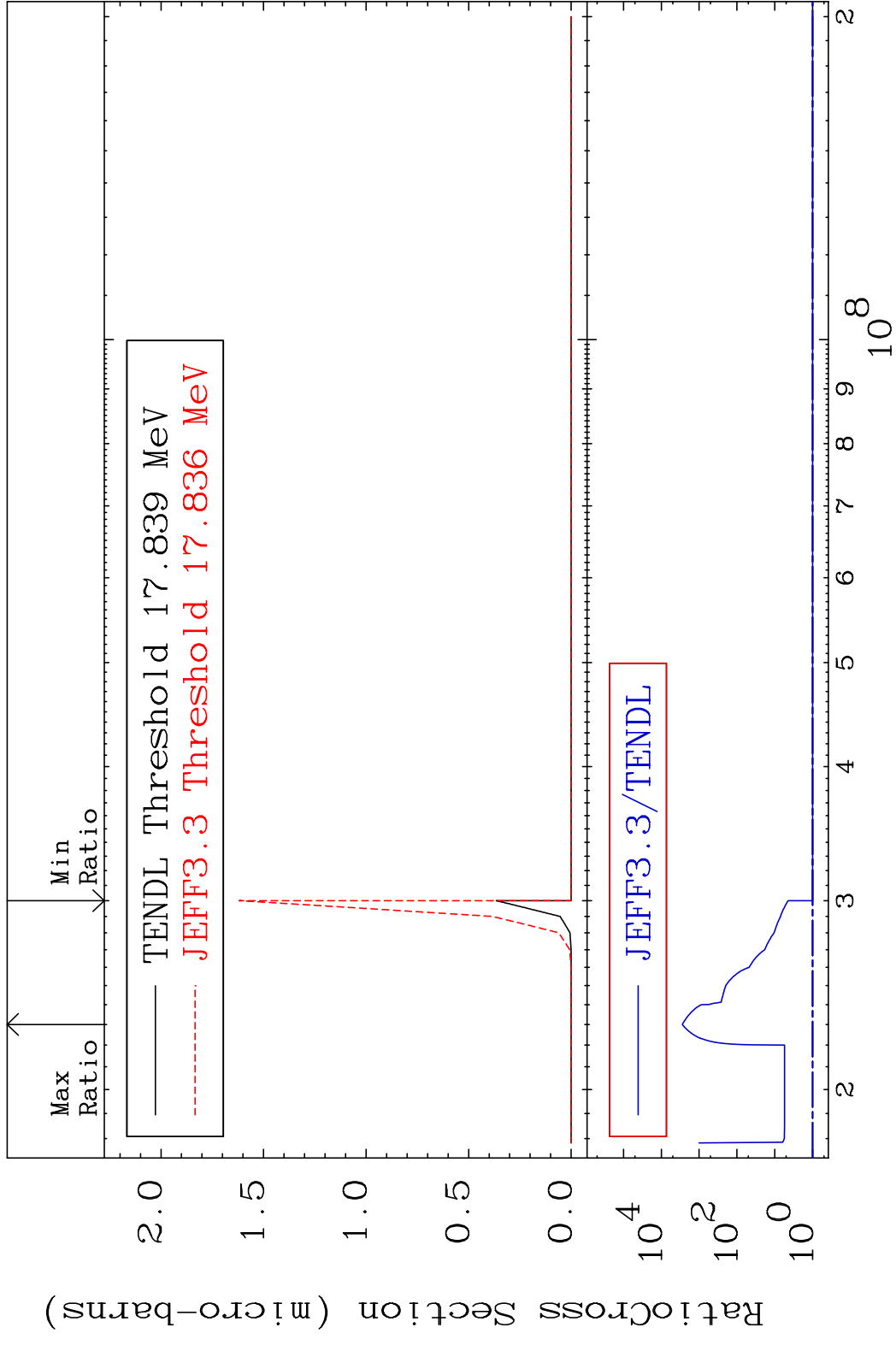
52-Te-131m

MAT 5259 (n,2n) α 52-Te-131m
 Cross Section -97.73 To 9999. %



8 8 Incident Energy (eV) 52-Te-131m

MAT 5259 (n,3n) α 52-Te-131m
 Cross Section 0.000 To 9999. %

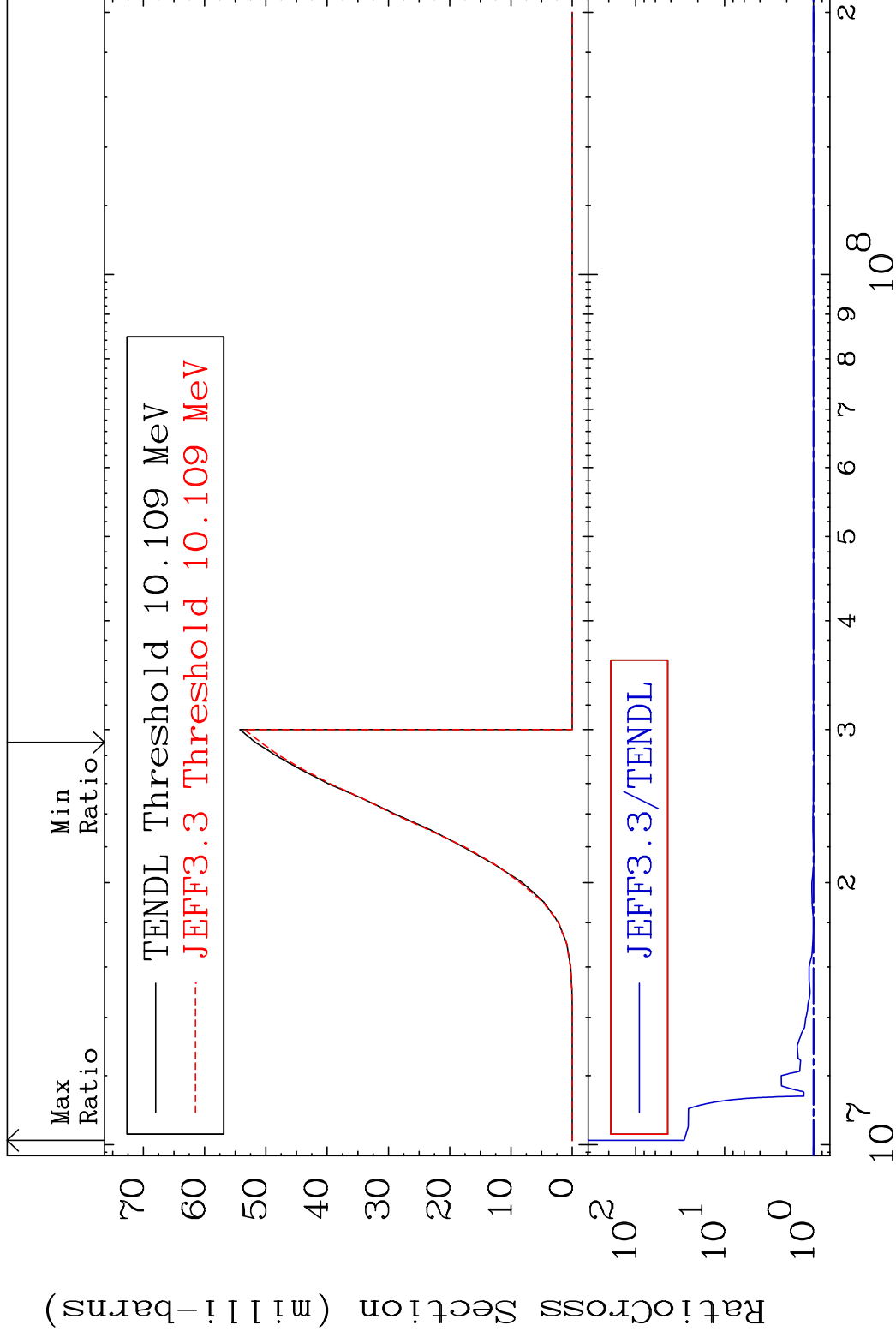


MAT 5259

(n, n') p

52-Te-131m

Cross Section -1.676 To 2783. %



10

Incident Energy (eV)

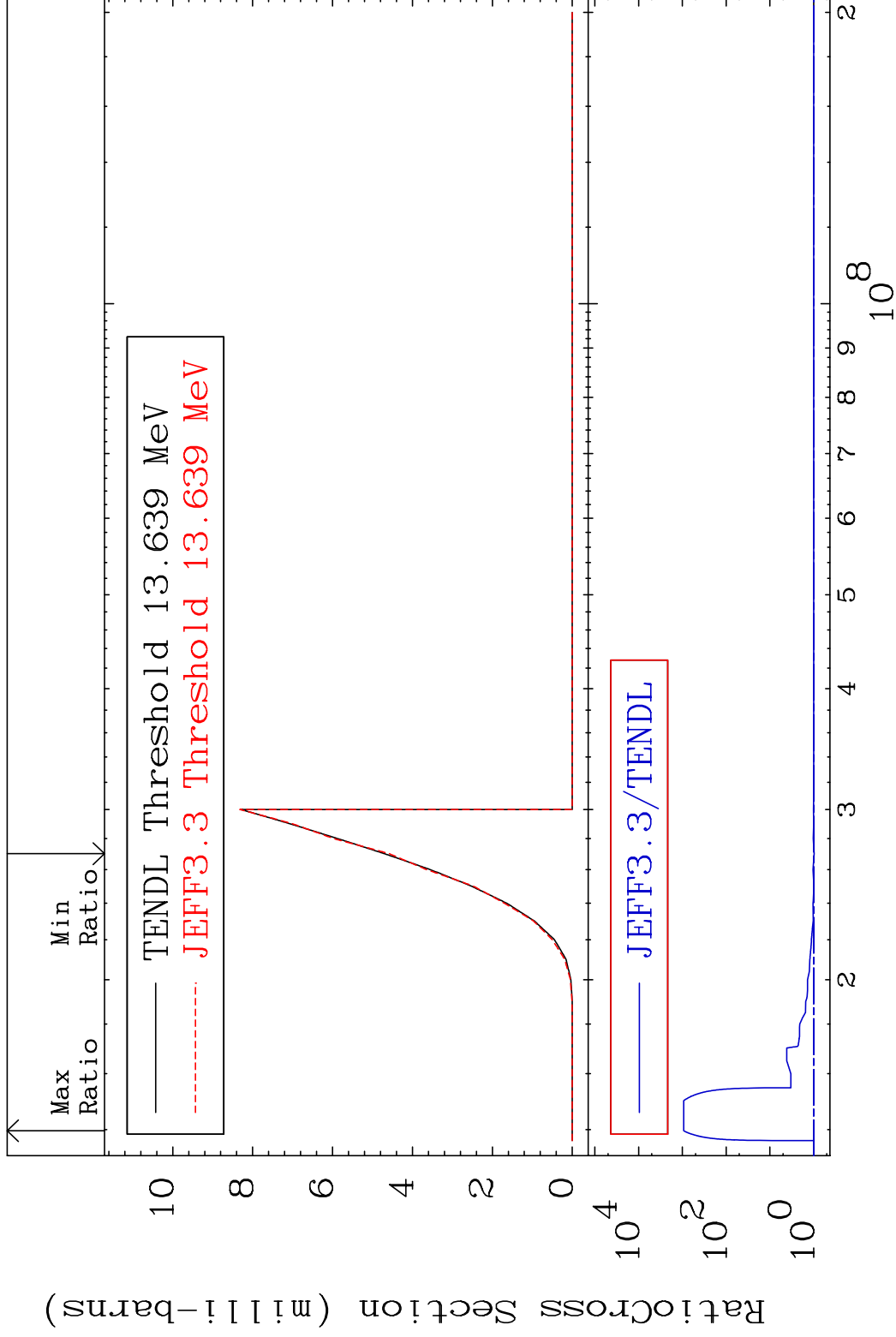
52-Te-131m

MAT 5259

(n, n') d

52-Te-131m

Cross Section -2.608 To 9999. %

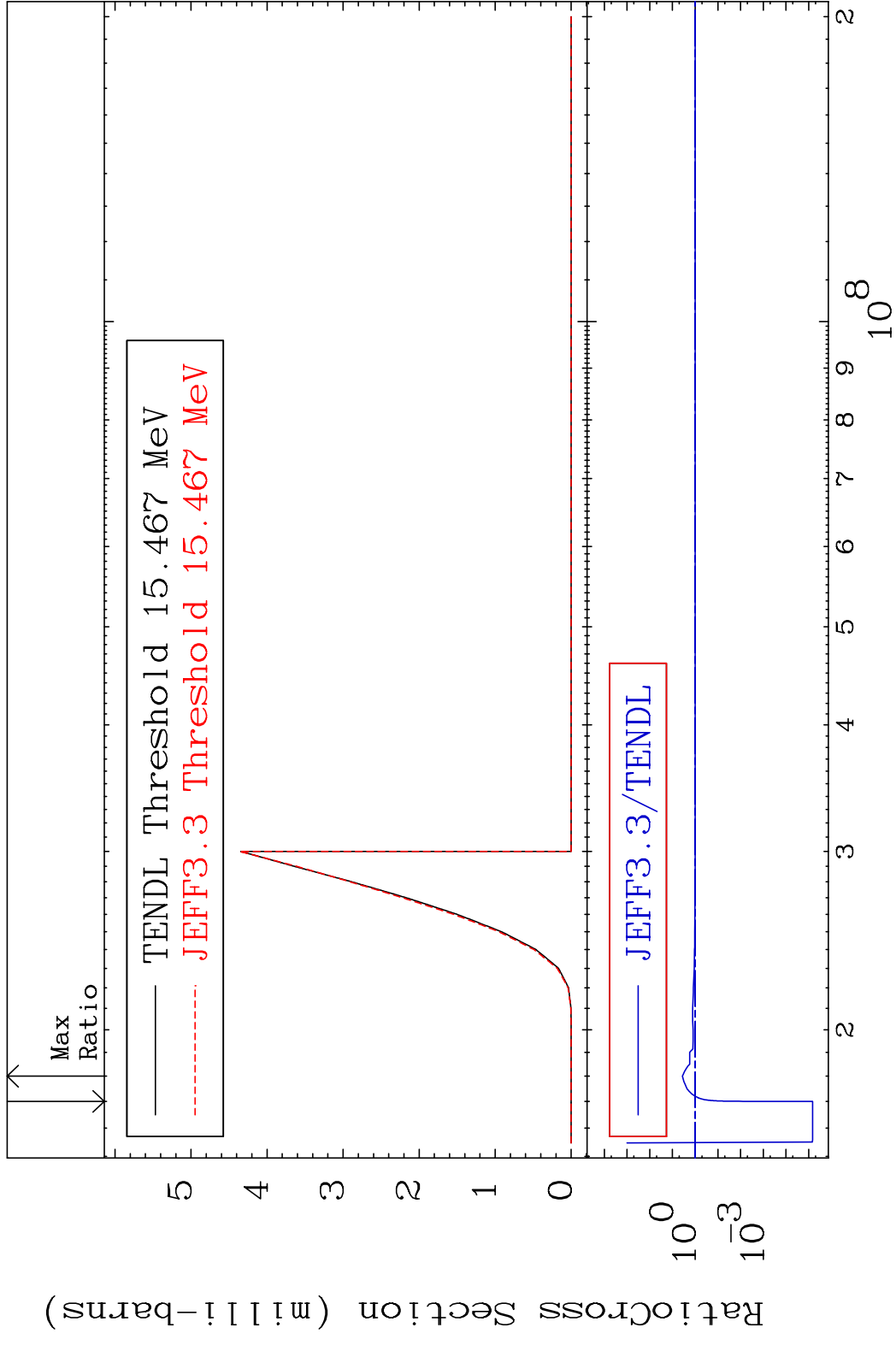


MAT 5259

(n, n') t

52-Te-131m

Cross Section -100.0 To 266.5 %



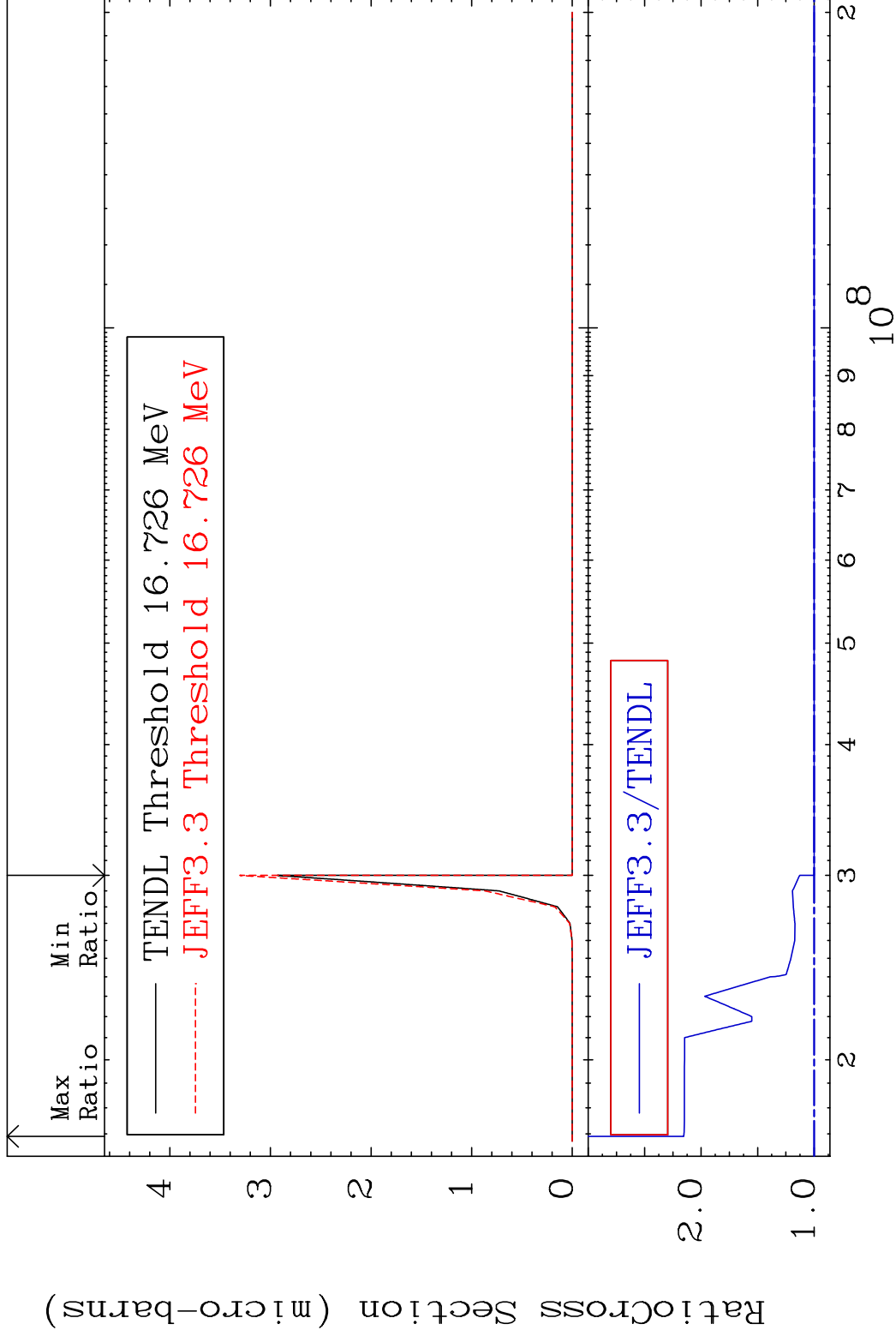
MAT 5259

(n,n') He-3

52-Te-131m

Cross Section 0.000

To 115.5 %

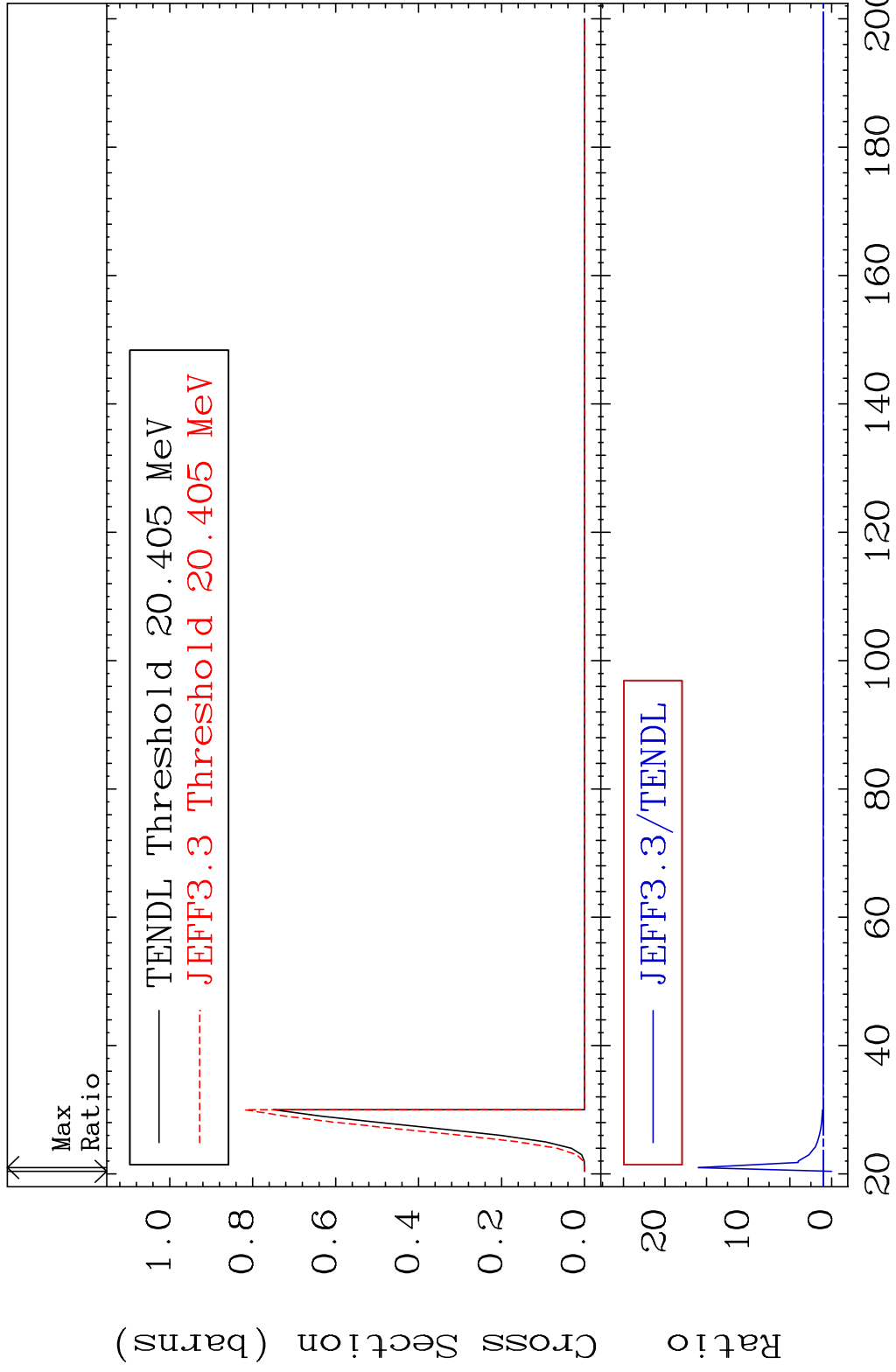


MAT 5259

(n,4n)

52-Te-131m

Cross Section -100.0 To 1500. %

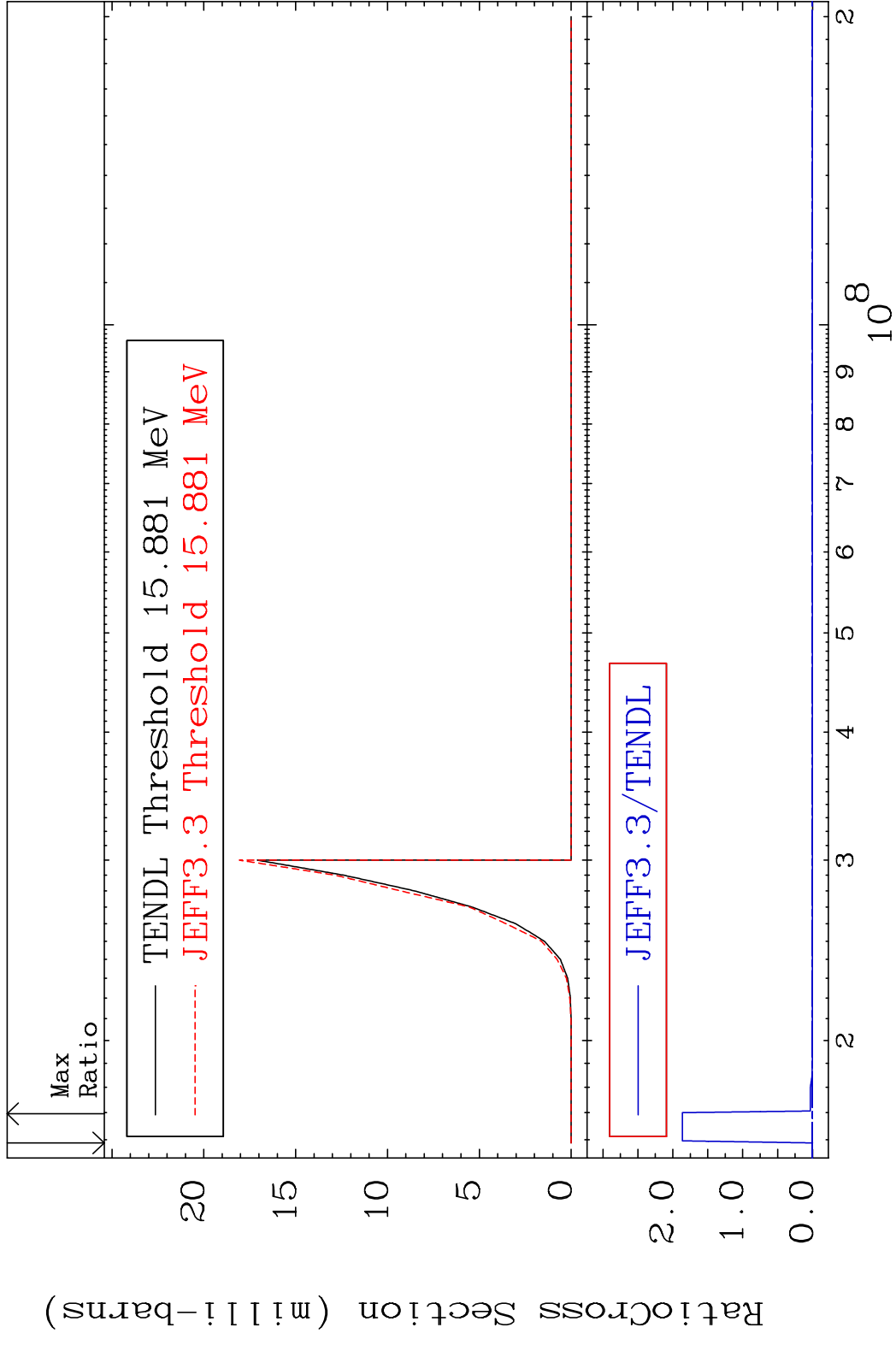


MAT 5259

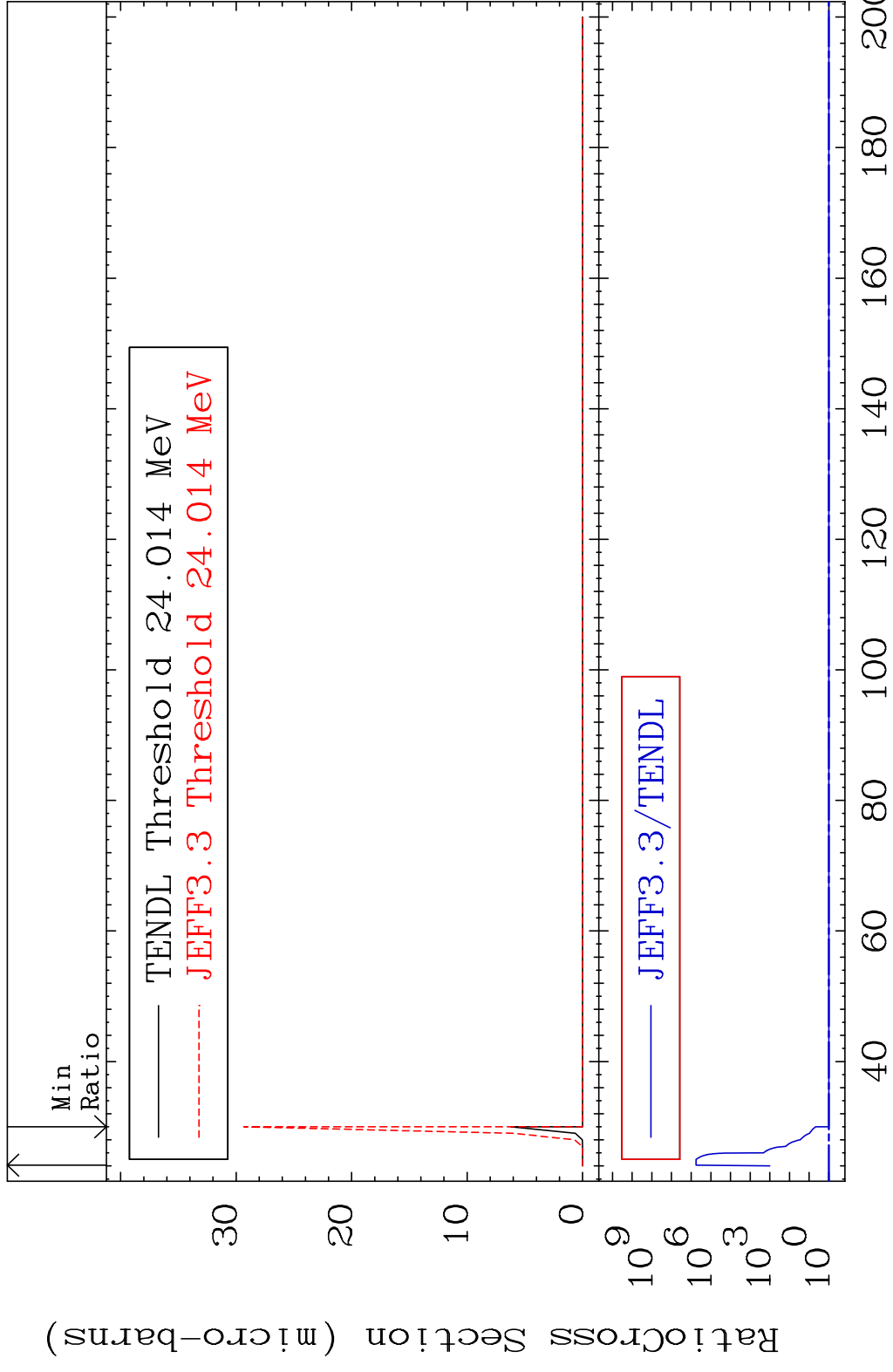
(n,2n) p

52-Te-131m

Cross Section -100.0 To 9999. %



MAT 5259 (n,3n) p 52-Te-131m
 Cross Section 0.000 To 9999. %

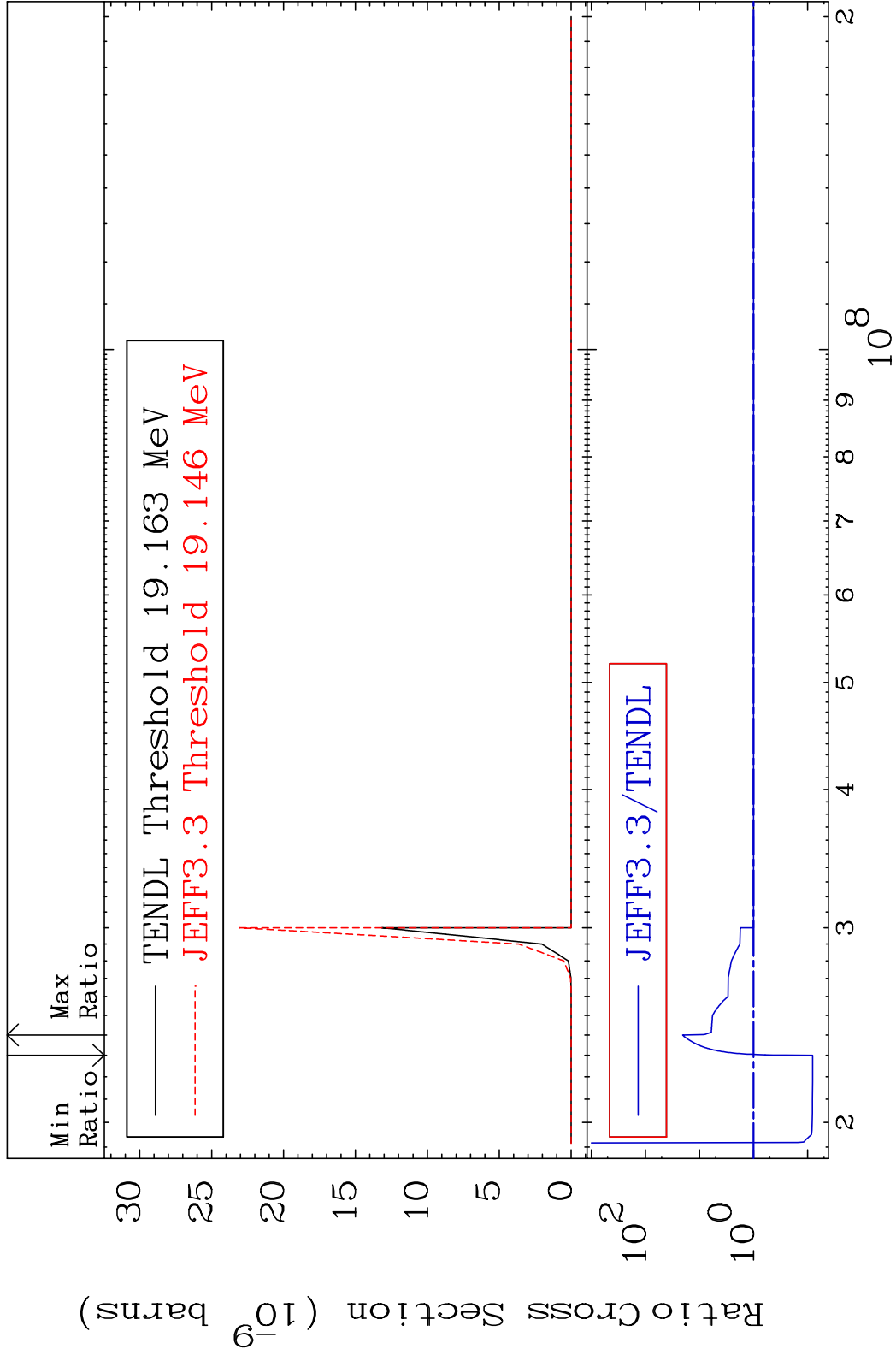


MAT 5259

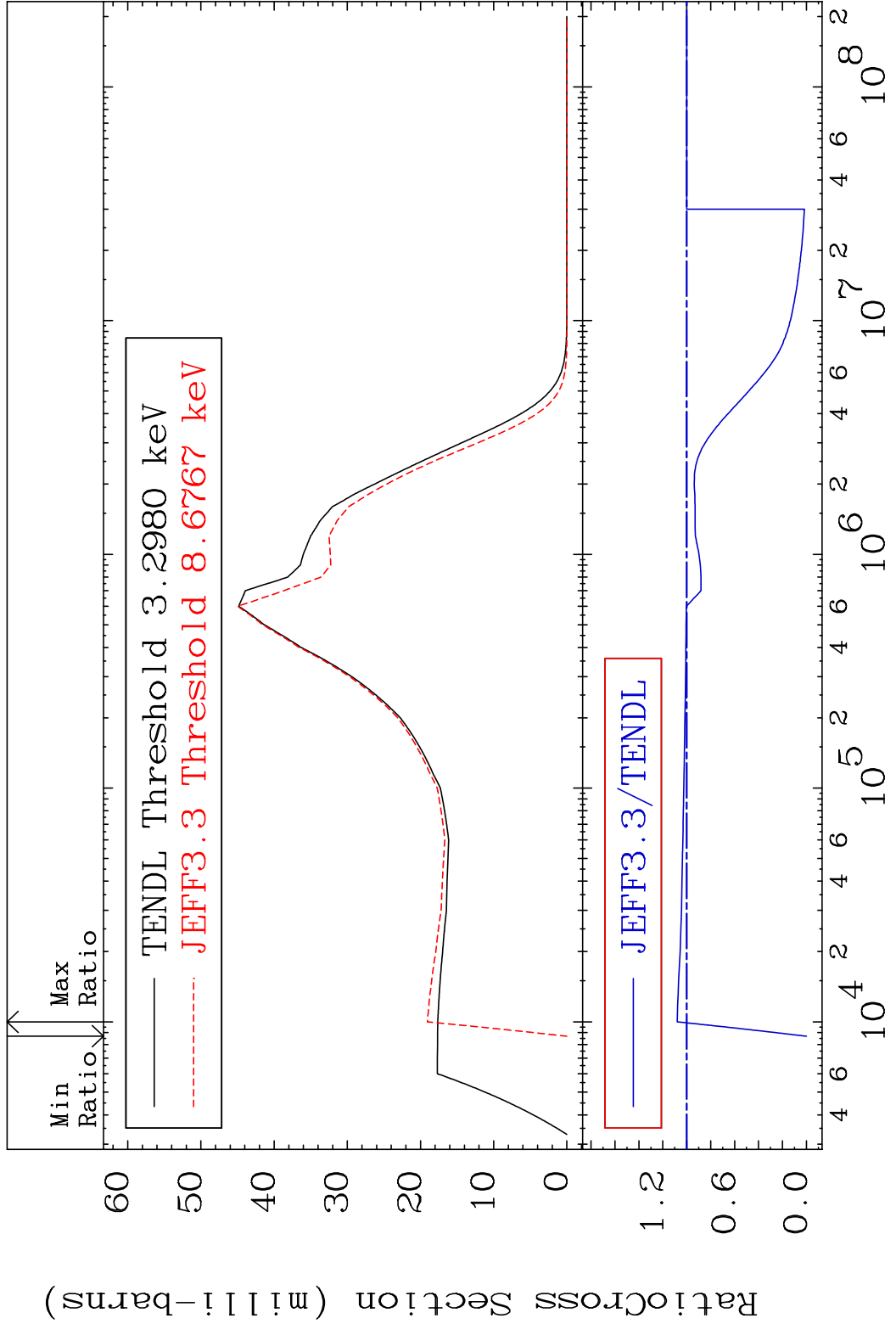
(n,2n) p

52-Te-131m

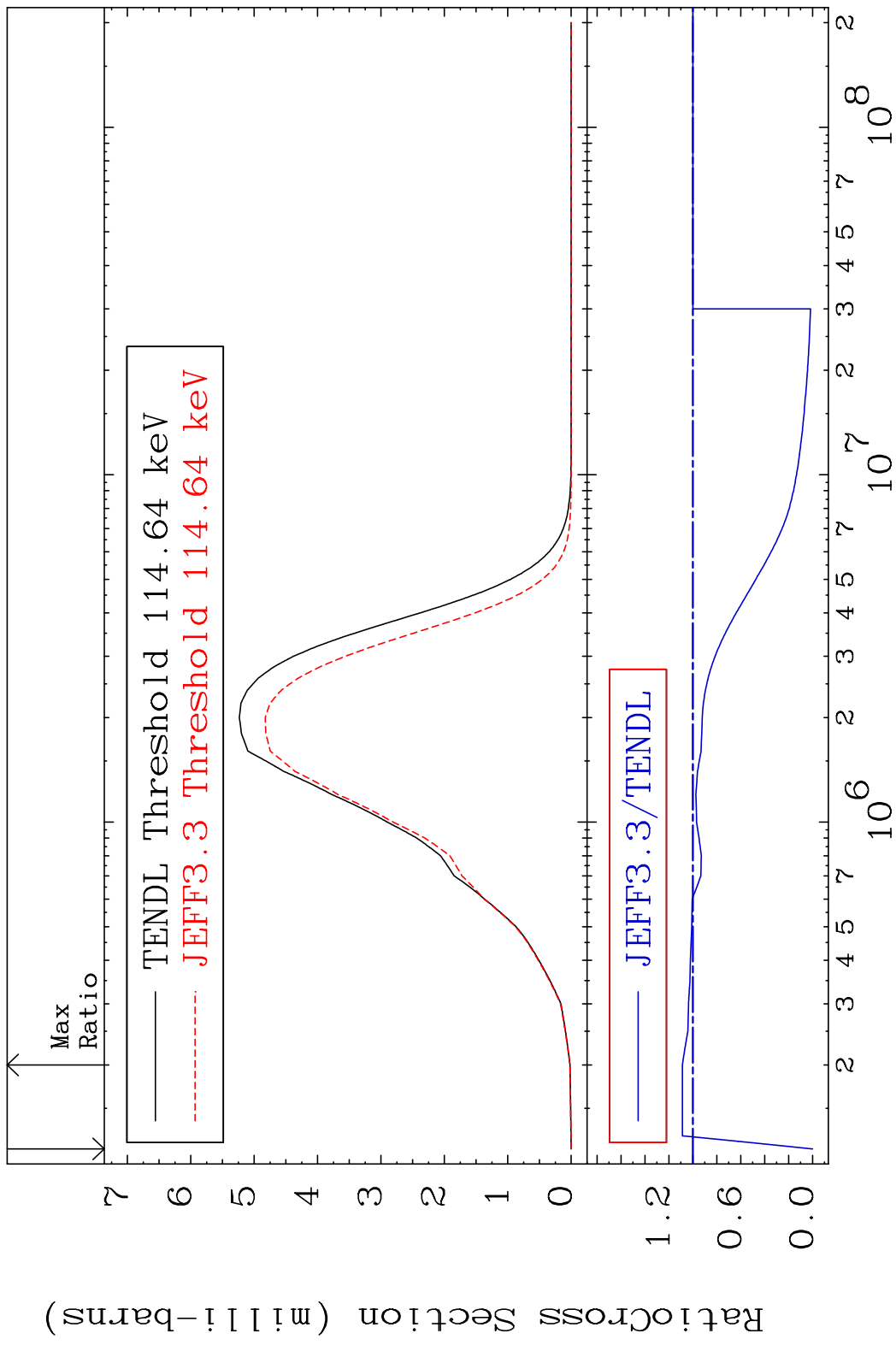
Cross Section -91.89 To 1973. %



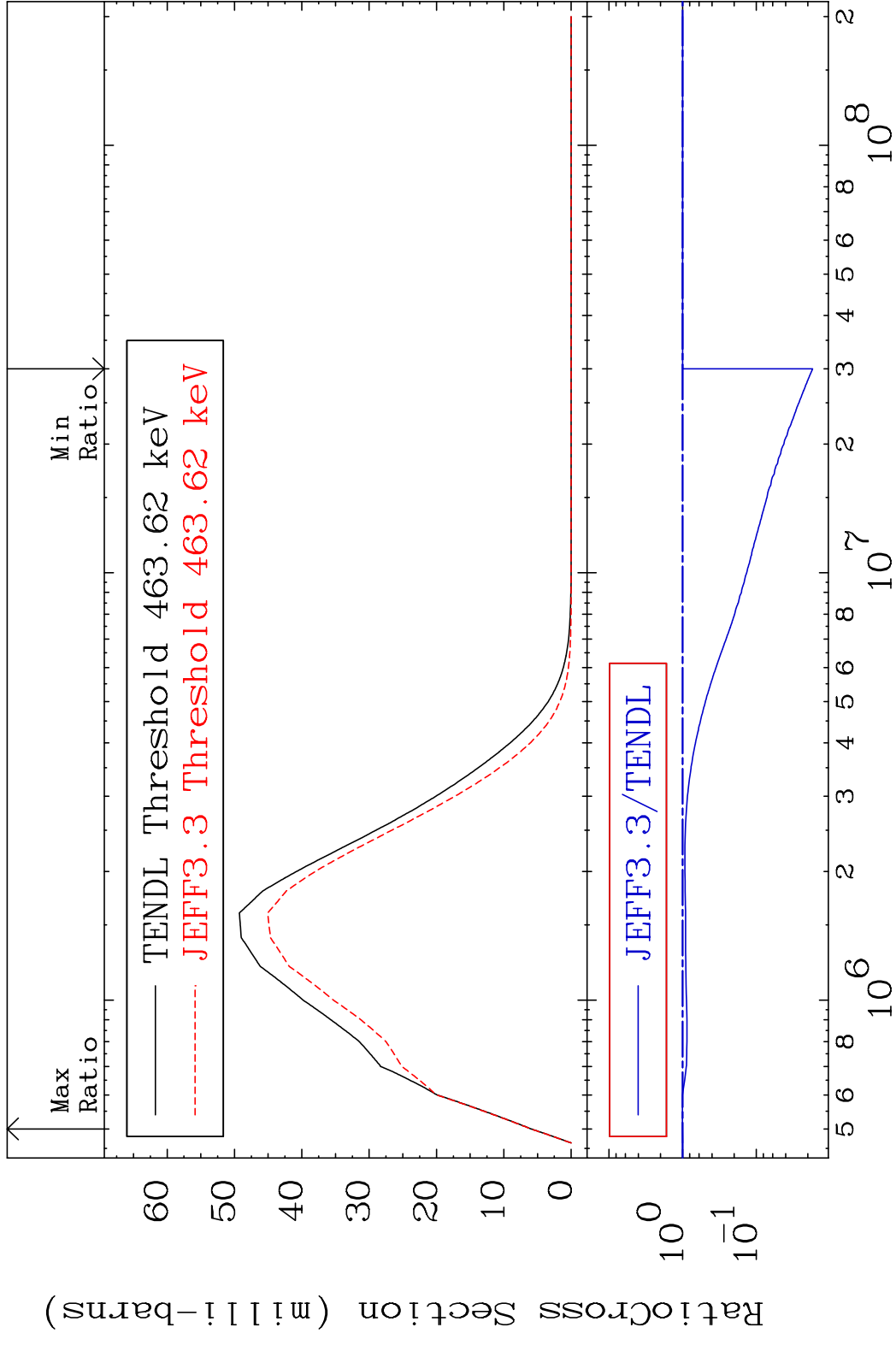
MAT 5259 MT= 51 (n, n') Level 52-Te-131m
 Cross Section -100.0 To 8.003 %



MAT 5259 MT= 52 (n, n') Level 52-Te-131m
 Cross Section -100.0 To 8.730 %

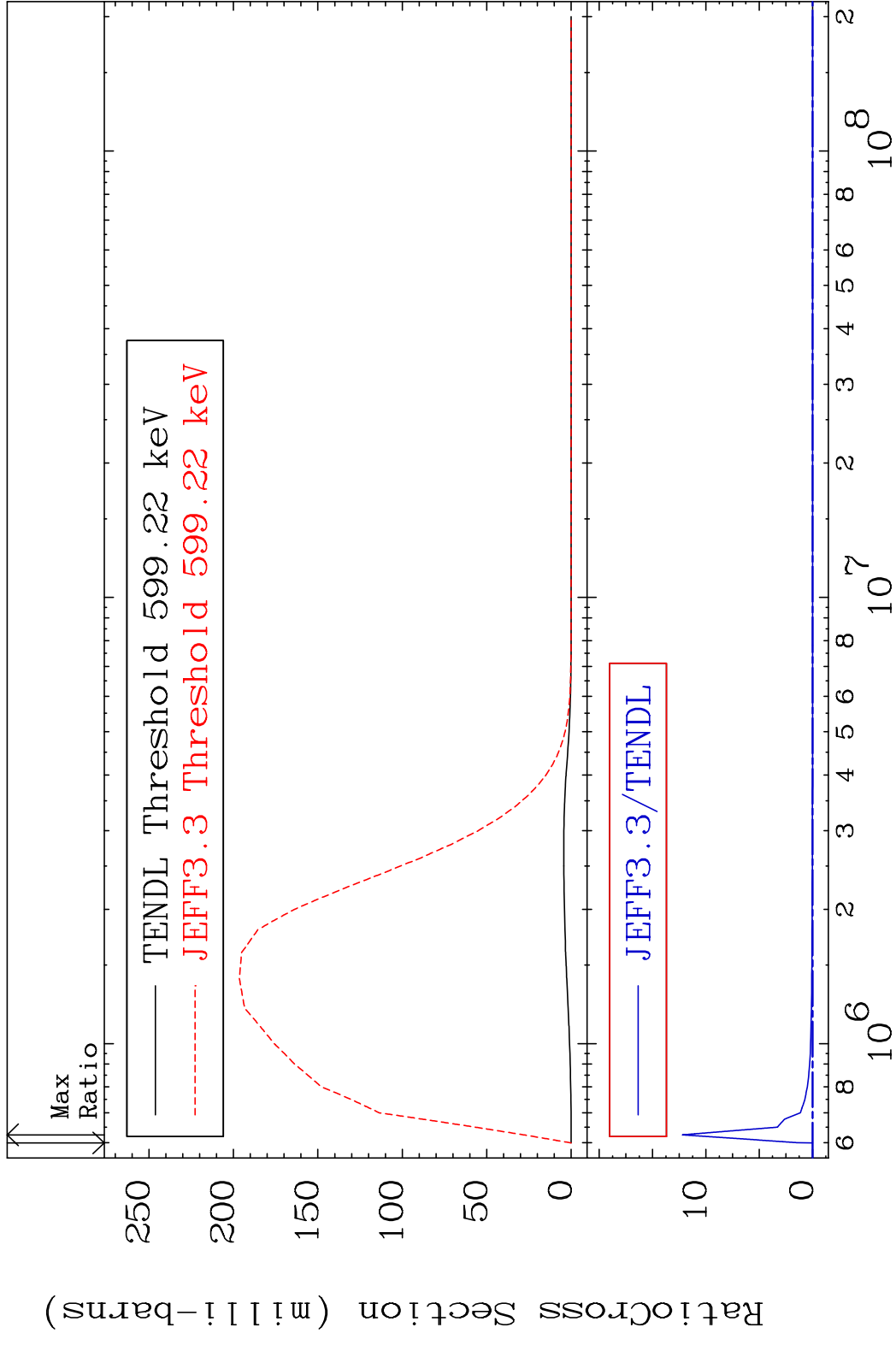


MAT 5259 MT= 53 (n, n') Level 52-Te-131m
 Cross Section -98.28 To 0.898 %

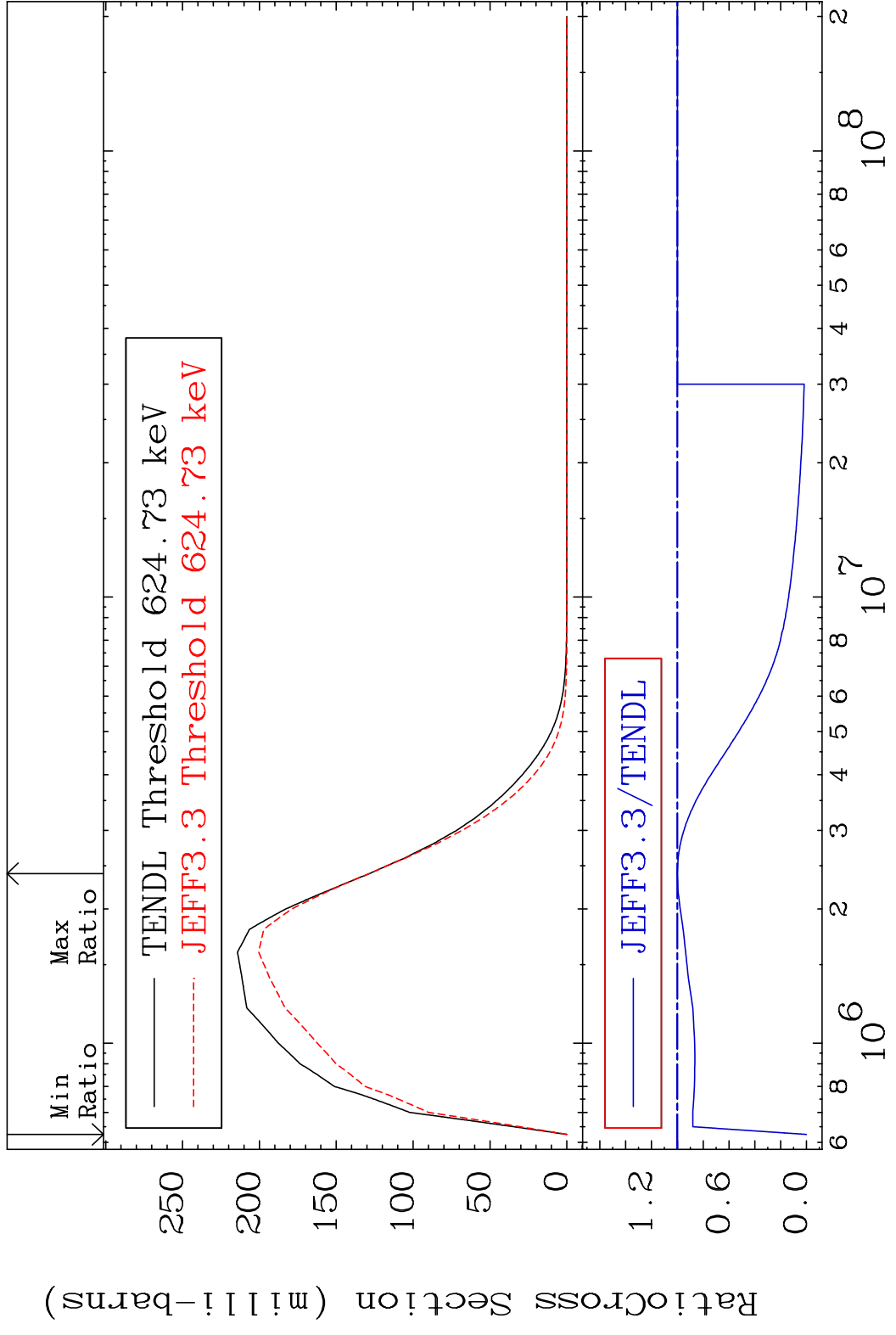


20 Incident Energy (eV) 52-Te-131m

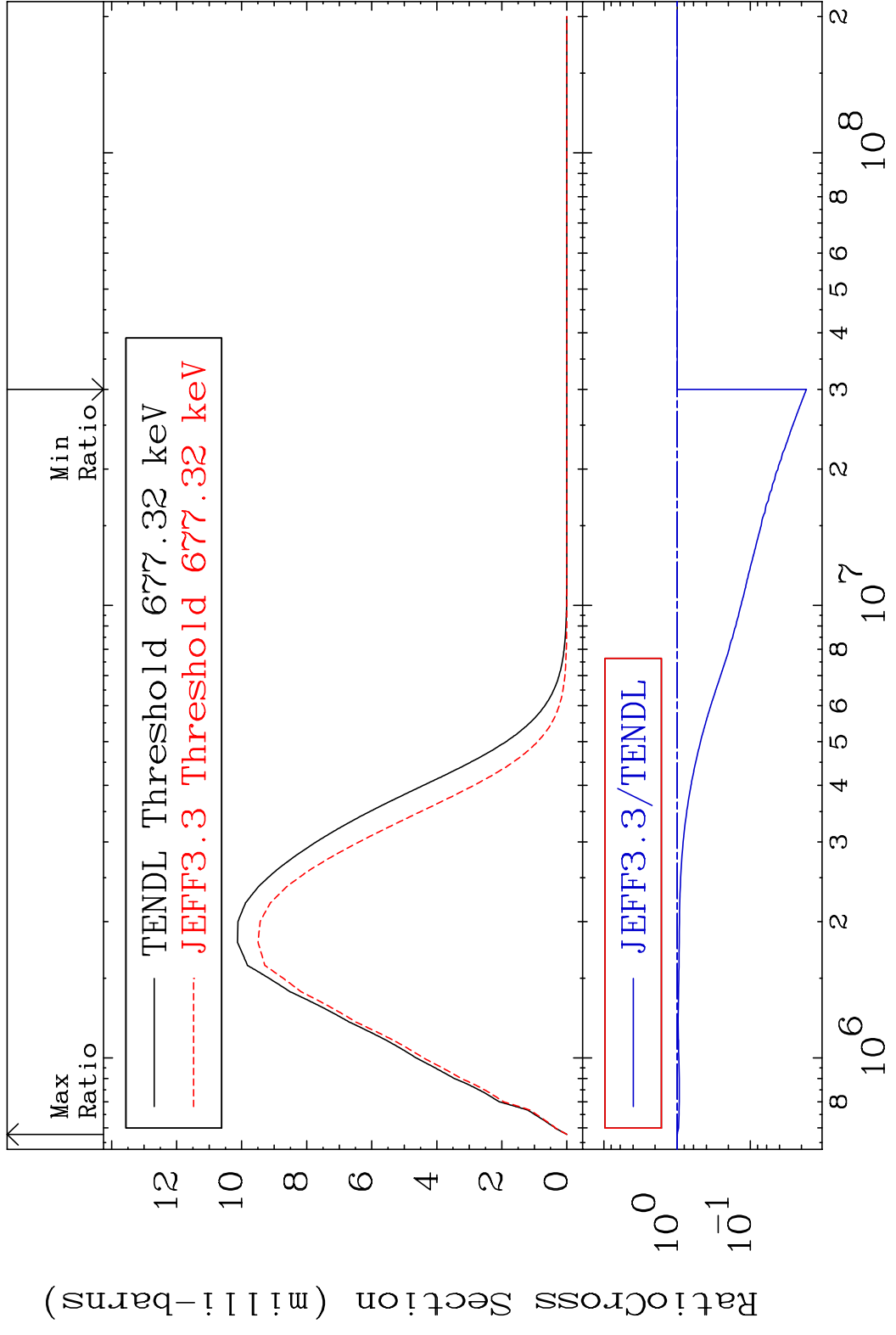
MAT 5259 MT= 54 (n,n') Level 52-Te-131m
 Cross Section -100.0 To 9999. %



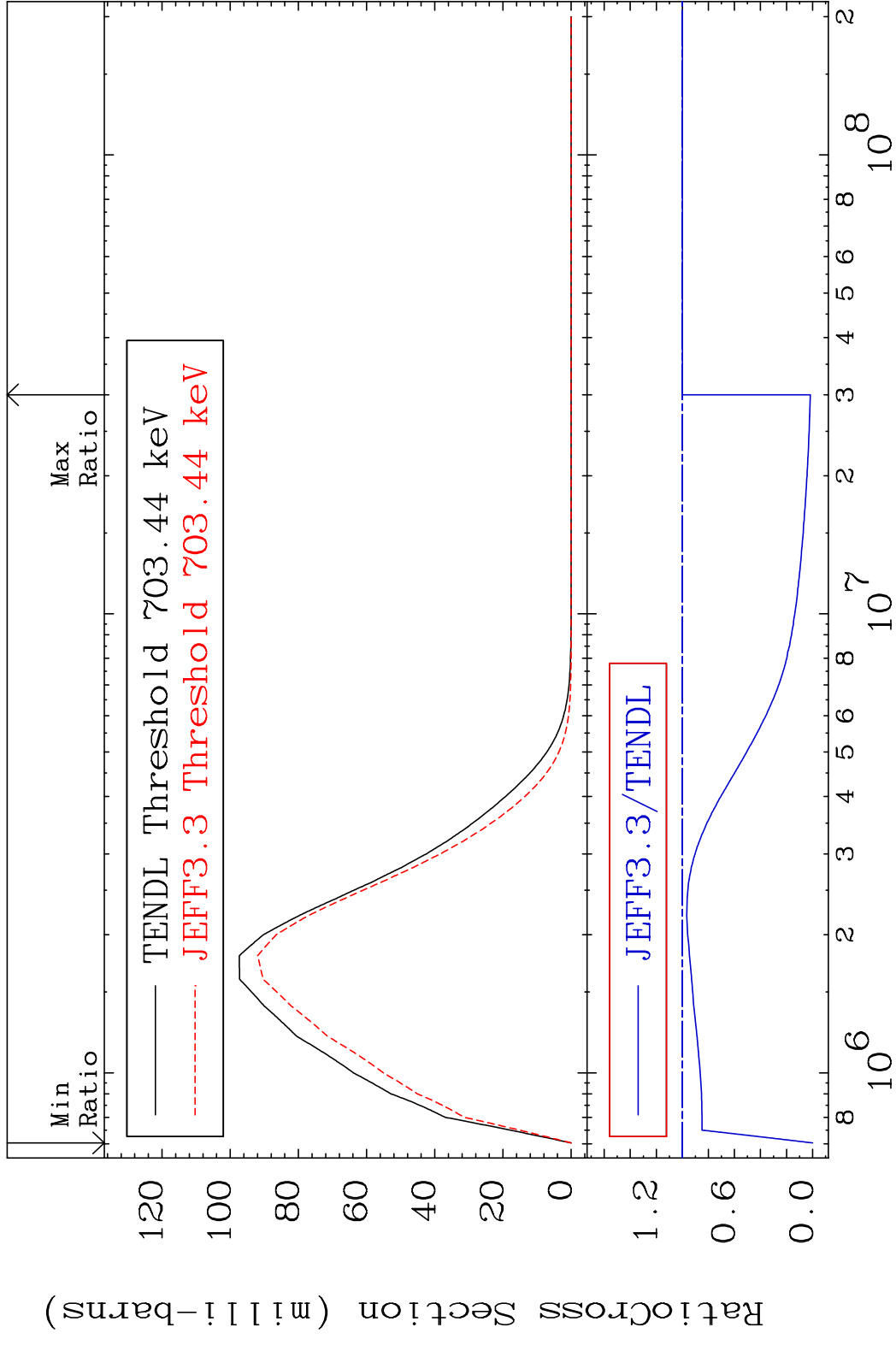
MAT 5259 MT= 55 (n,n') Level 52-Te-131m
 Cross Section -100.0 To 0.116 %



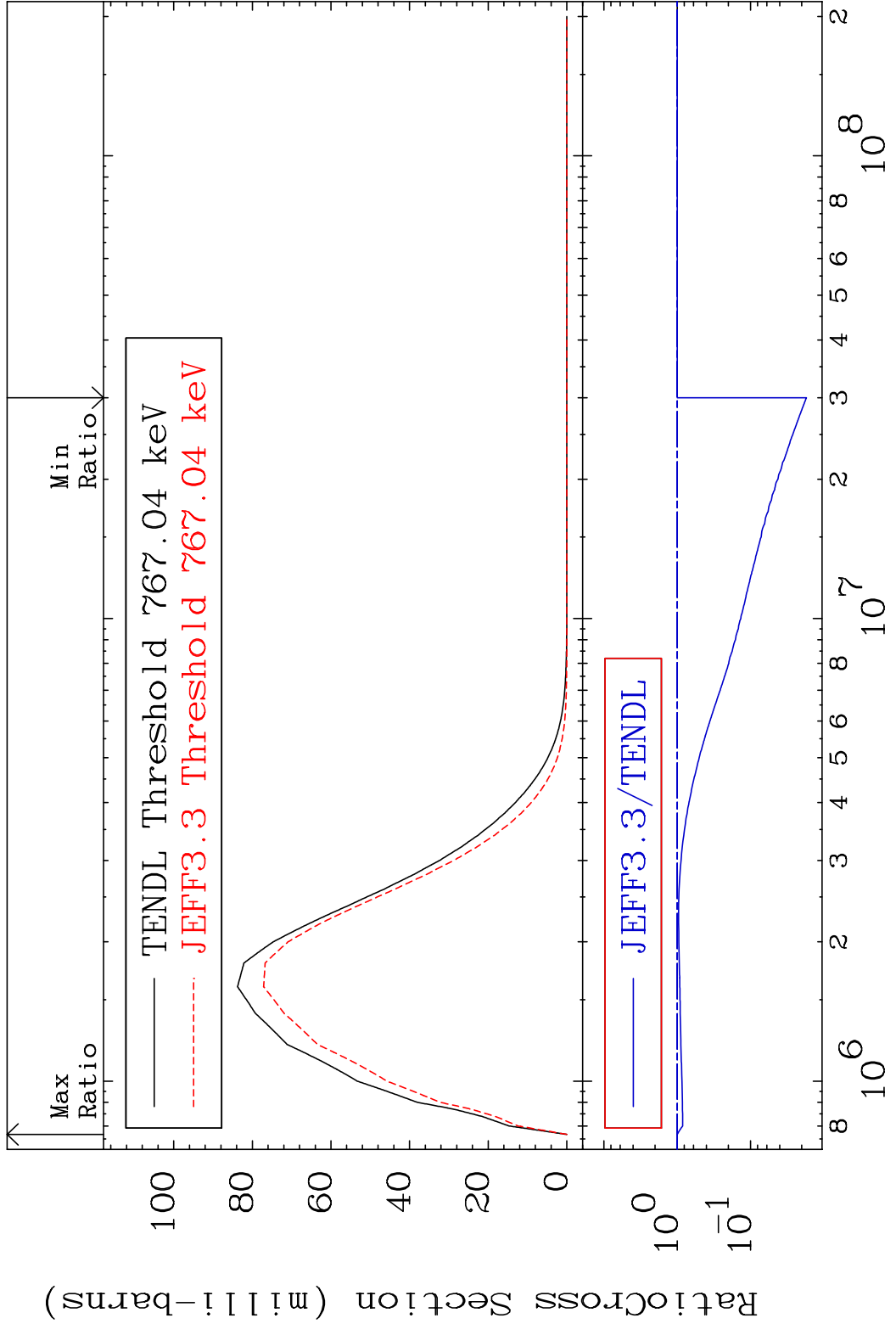
MAT 5259 MT= 56 (n,n') Level 52-Te-131m
 Cross Section -98.28 To 0.000 %



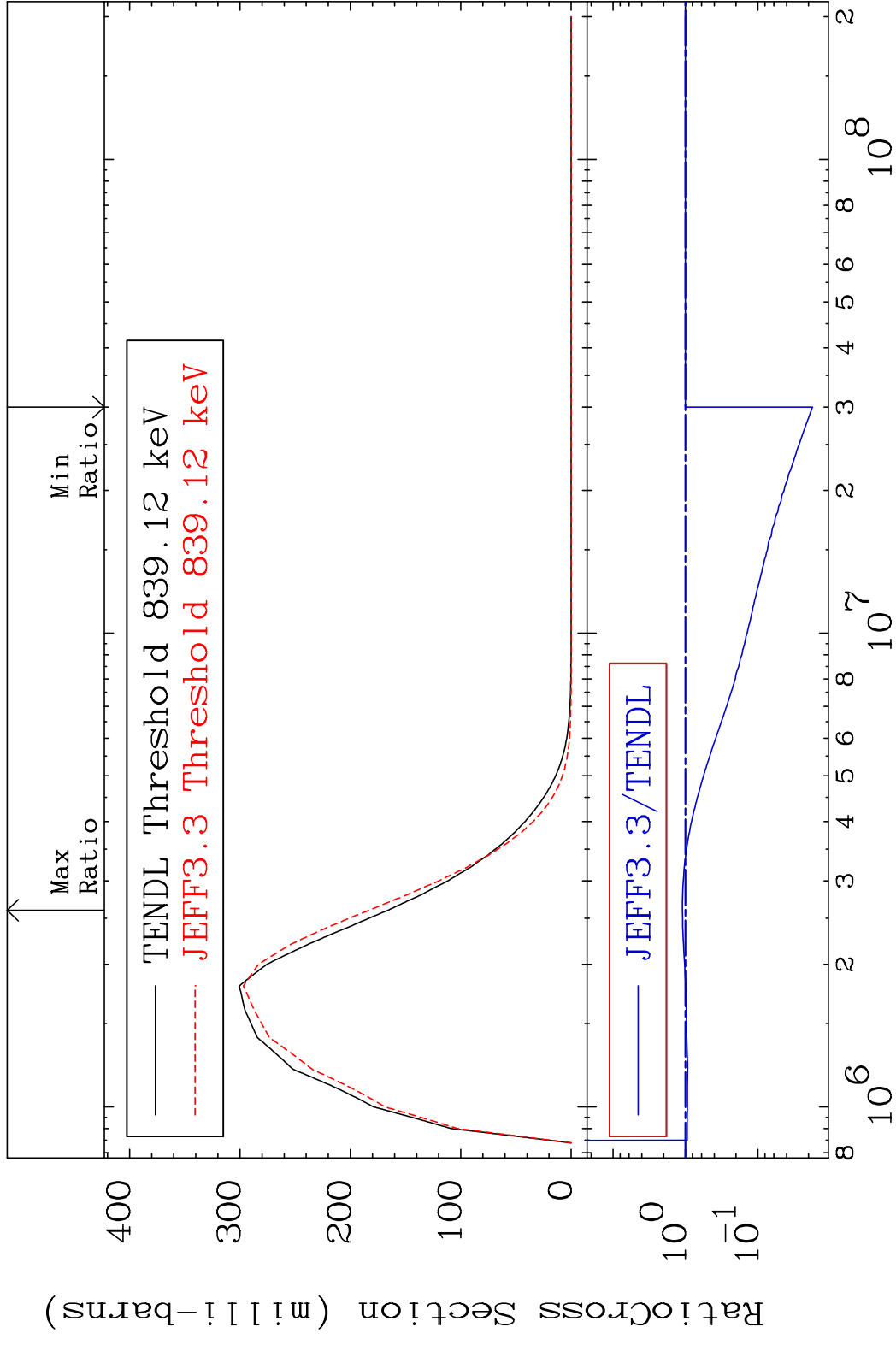
MAT 5259 MT= 57 (n, n') Level 52-Te-131m
 Cross Section -100.0 To 0.000 %



MAT 5259 MT= 58 (n,n') Level 52-Te-131m
 Cross Section -98.27 To 0.000 %

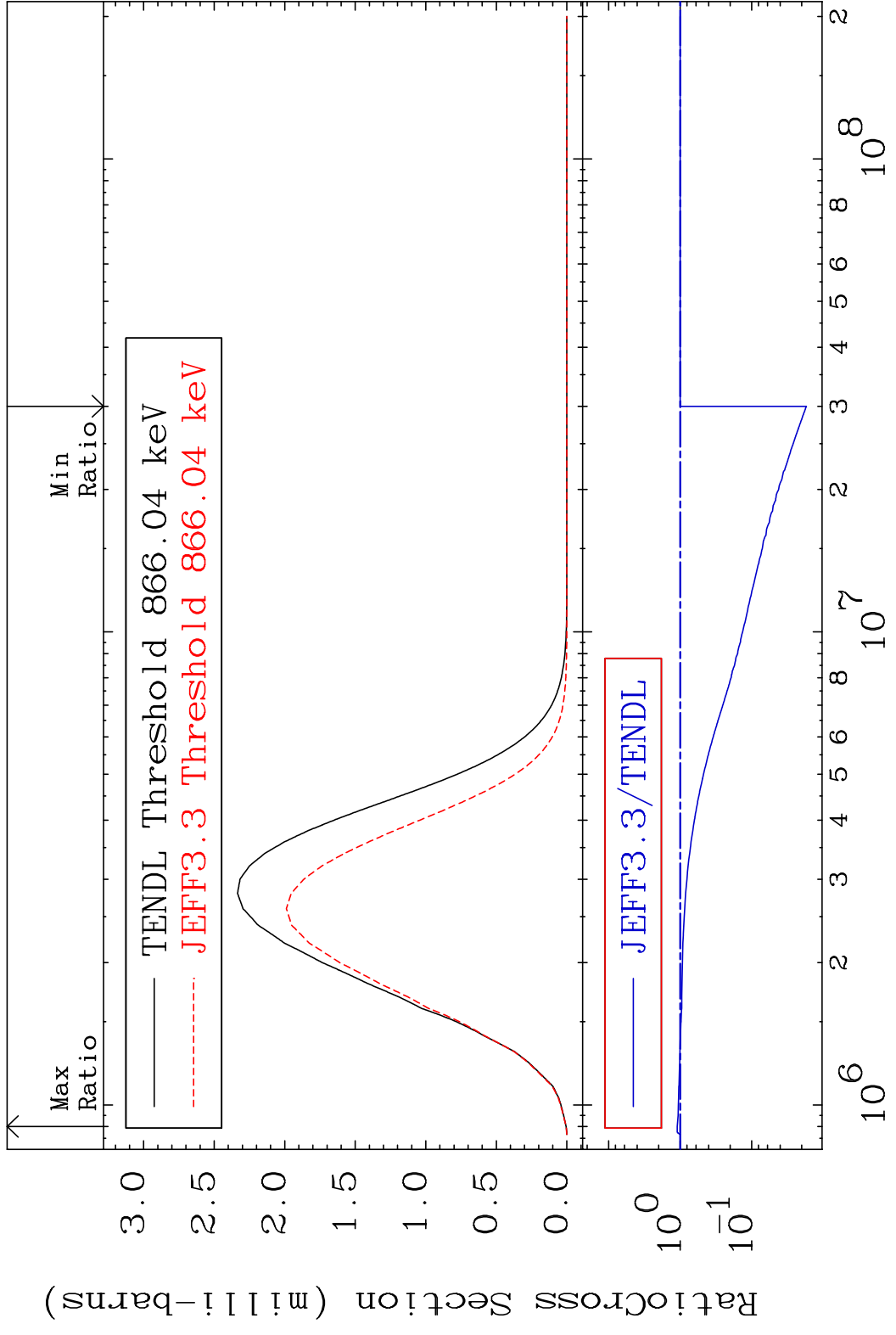


MAT 5259 MT= 59 (n, n') Level 52-Te-131m
 Cross Section -98.24 To 10.29 %

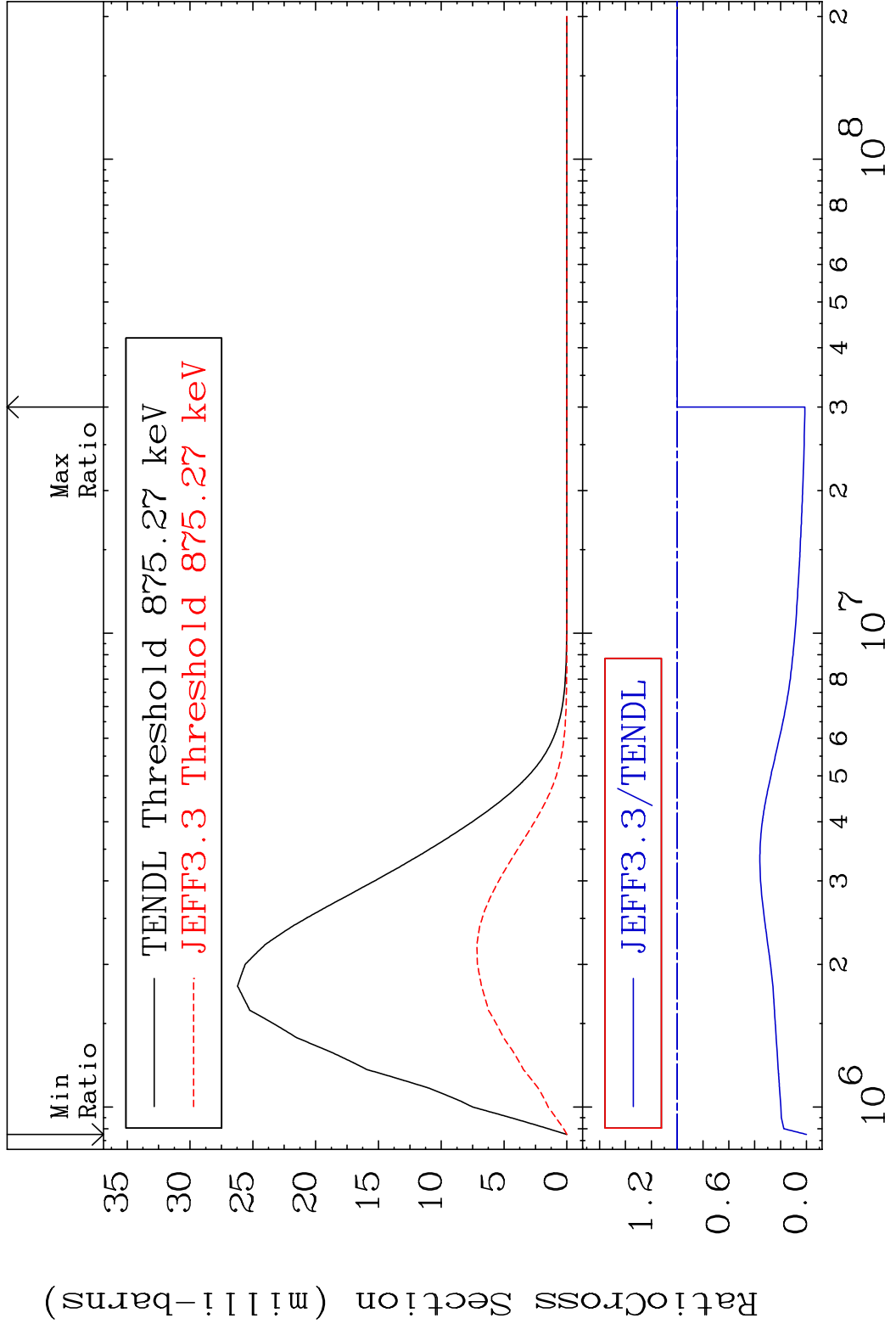


26 Incident Energy (eV) 52-Te-131m

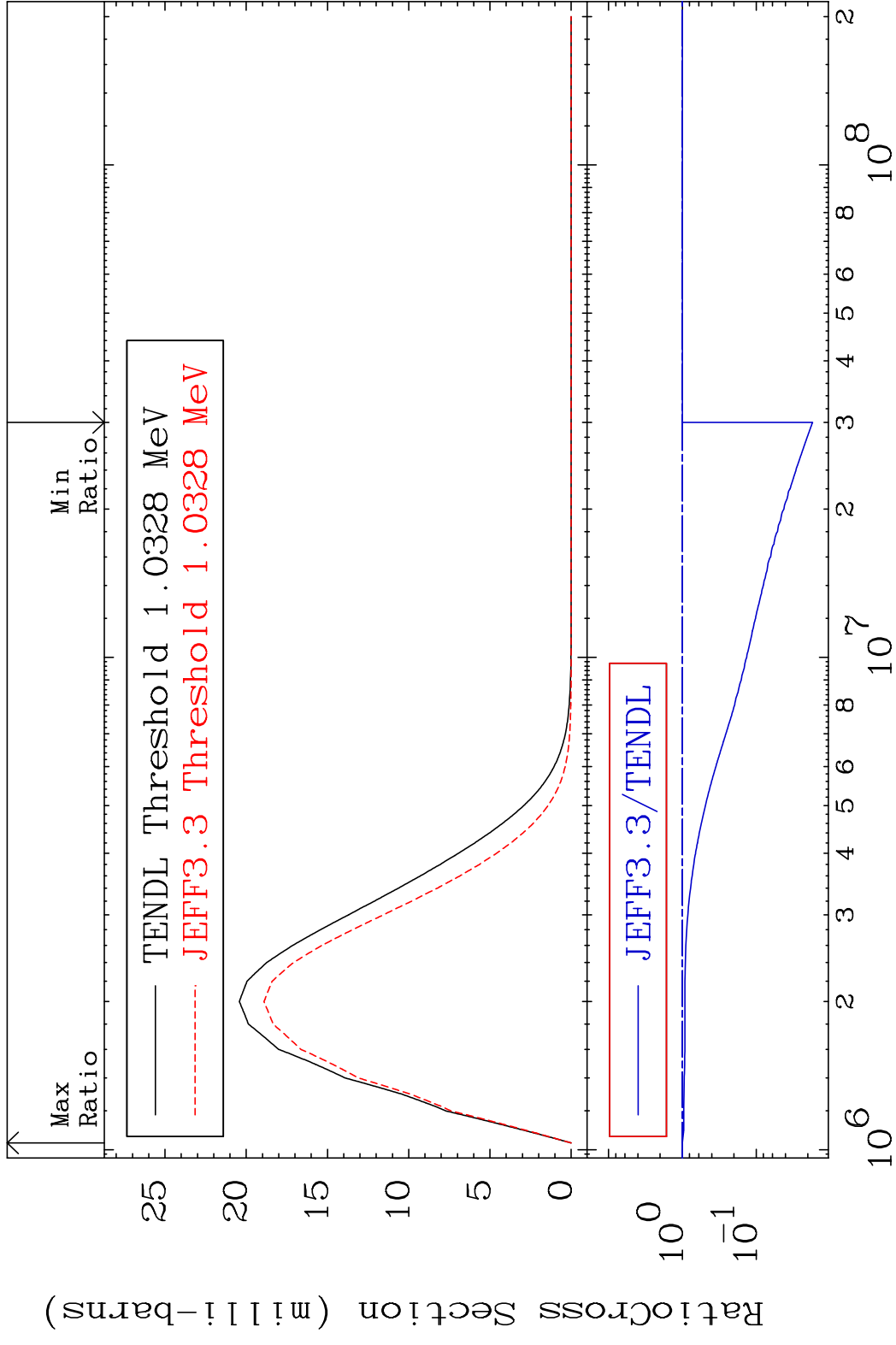
MAT 5259 MT= 60 (n, n') Level 52-Te-131m
 Cross Section -98.28 To 9.920 %



MAT 5259 MT= 61 (n, n') Level 52-Te-131m
 Cross Section -100.0 To 0.000 %

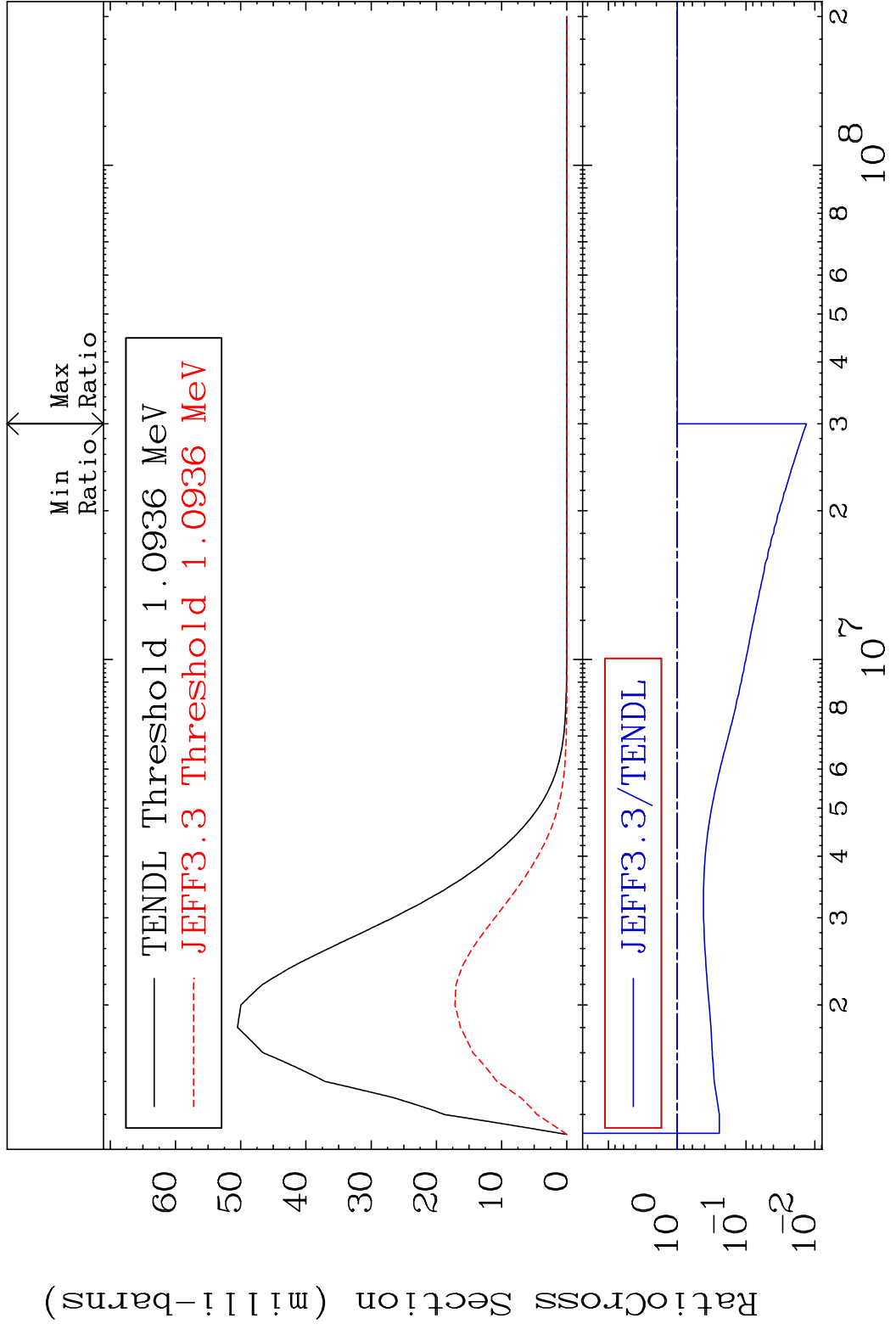


MAT 5259 MT= 62 (n,n') Level 52-Te-131m
 Cross Section -98.28 To 0.000 %

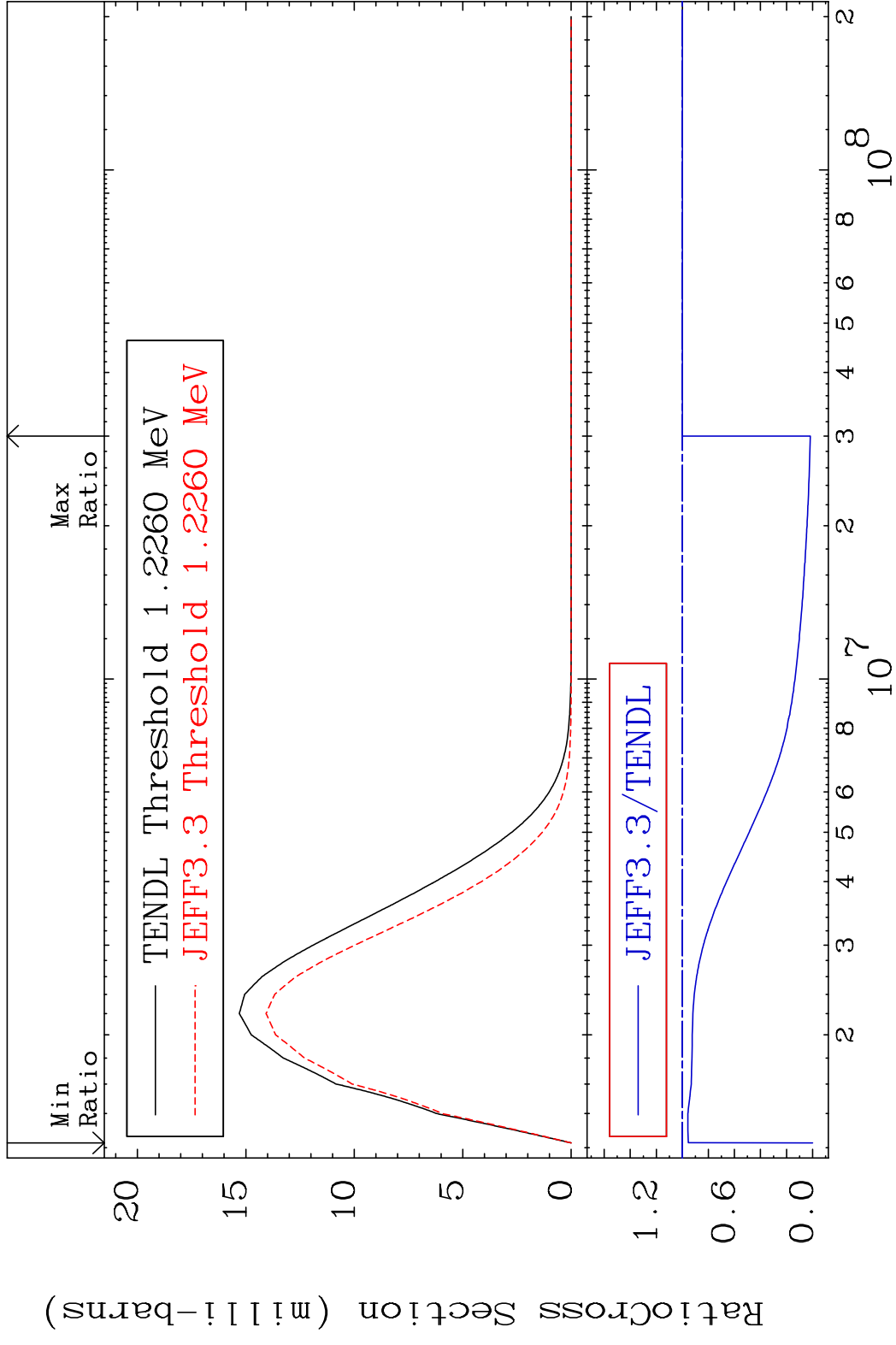


29 Incident Energy (eV) 52-Te-131m

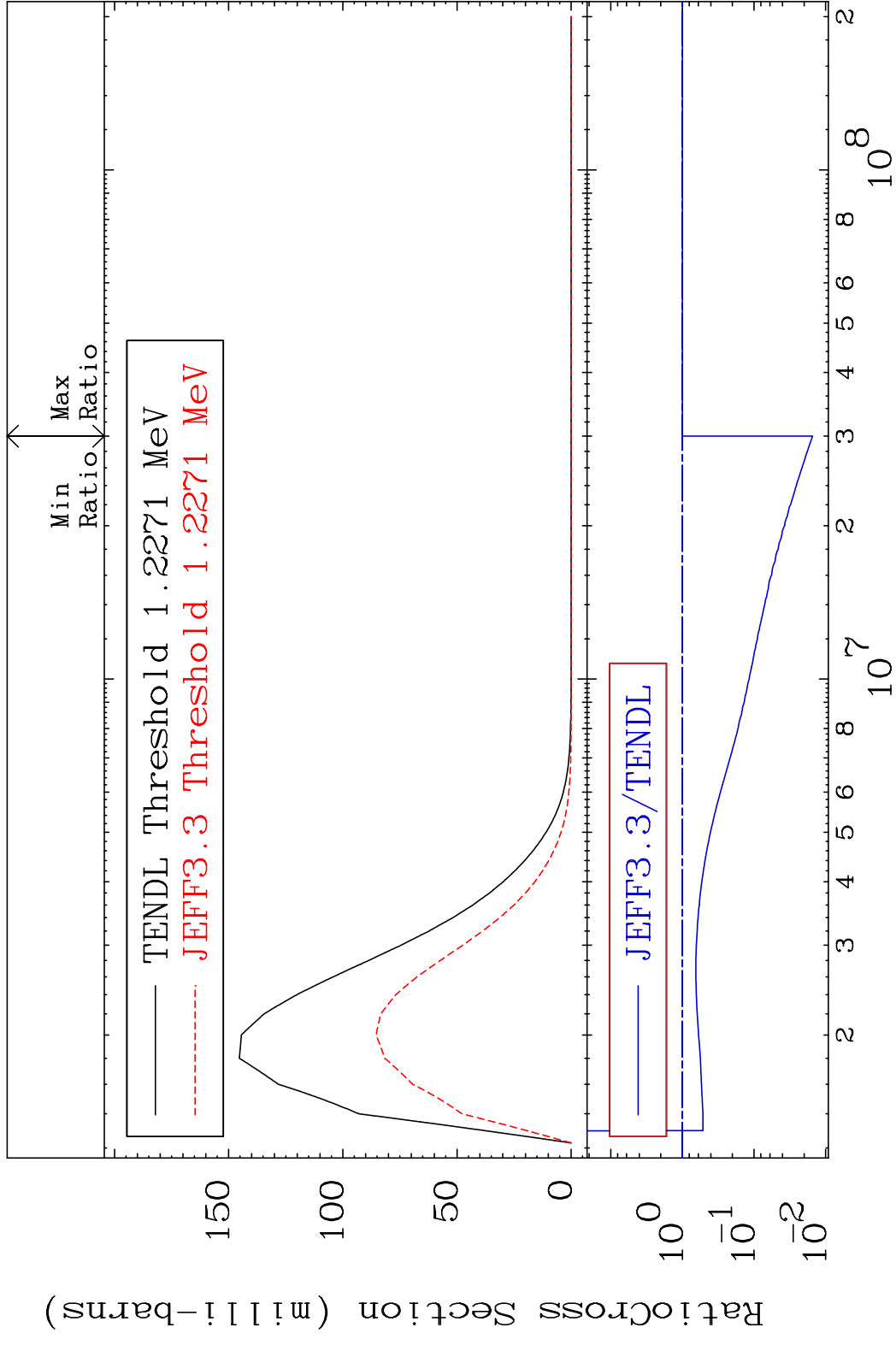
MAT 5259 MT= 63 (n, n') Level 52-Te-131m
 Cross Section -98.67 To 0.000 %



MAT 5259 MT= 64 (n, n') Level 52-Te-131m
 Cross Section -100.0 To 0.000 %

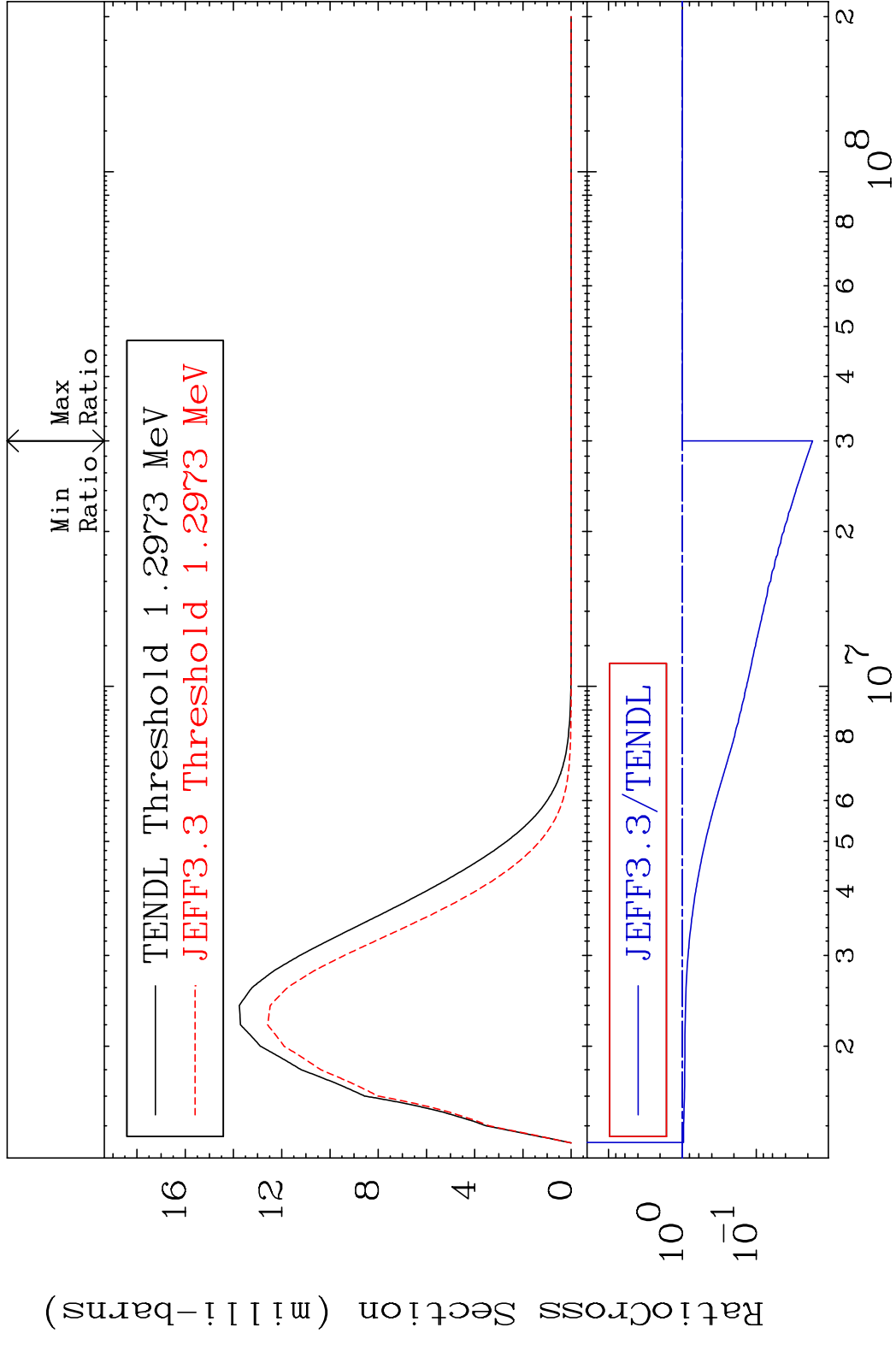


MAT 5259 MT= 65 (n,n') Level 52-Te-131m
 Cross Section -98.48 To 0.000 %

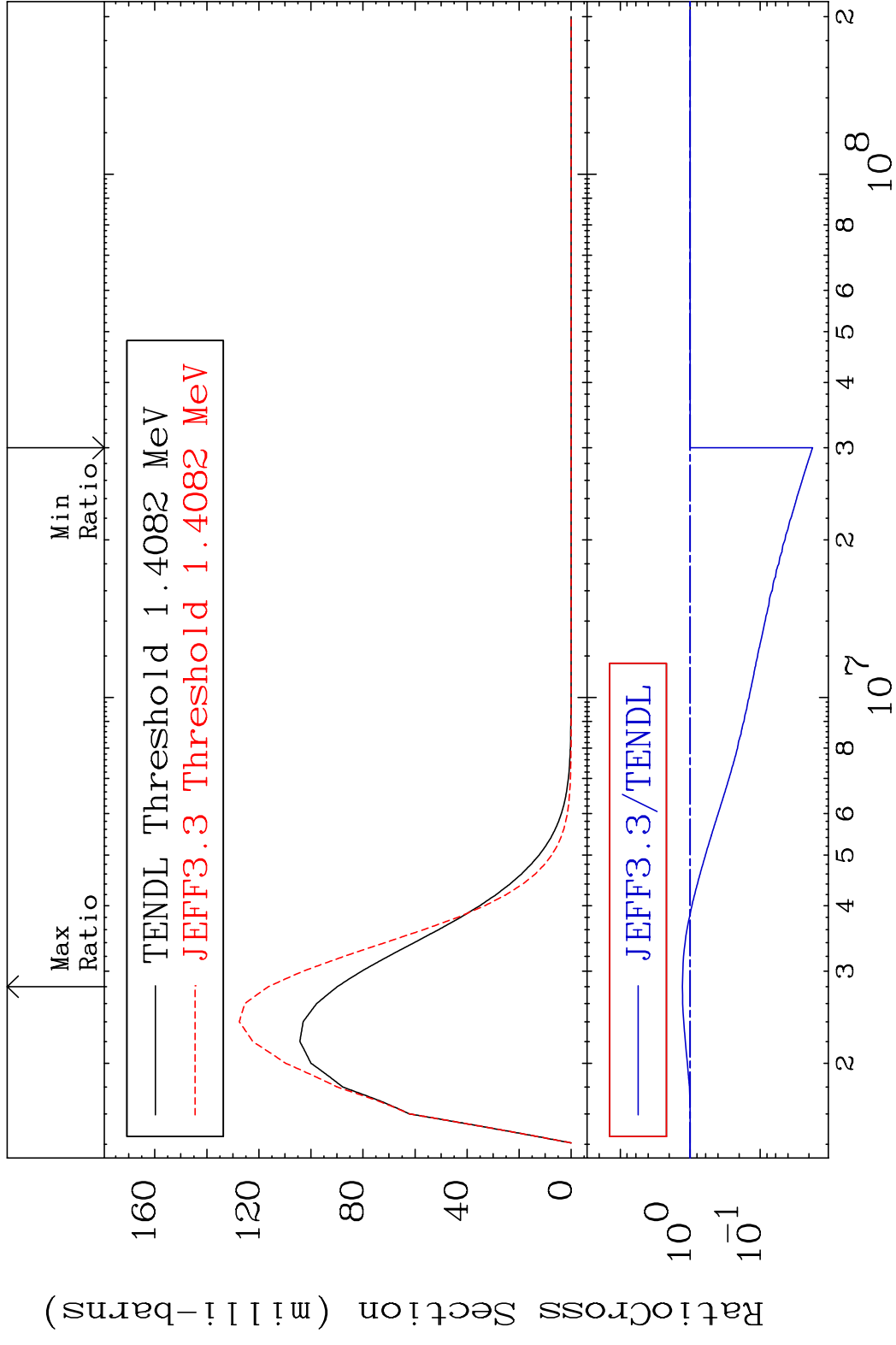


32 Incident Energy (eV) 52-Te-131m

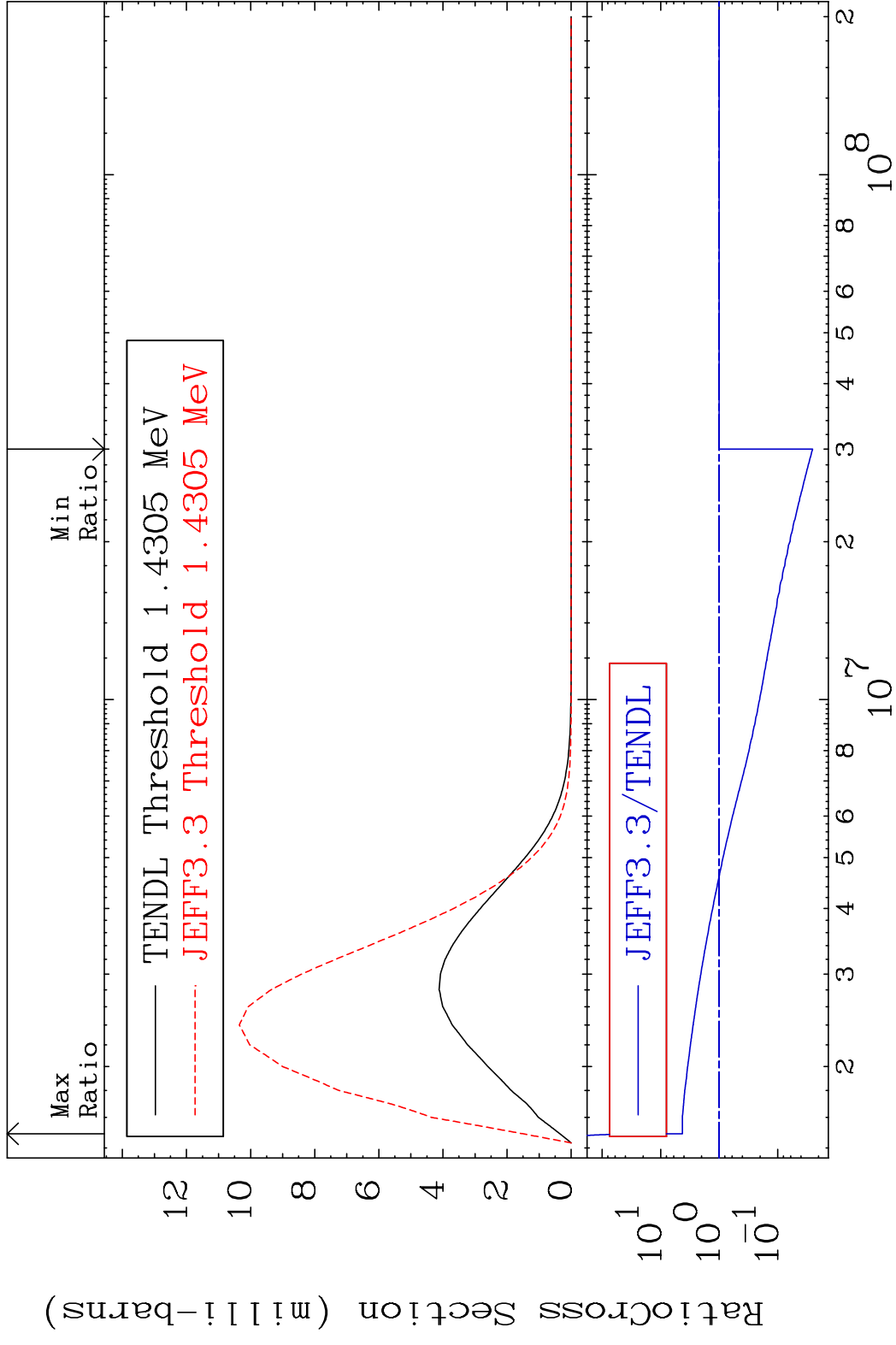
MAT 5259 MT= 66 (n,n') Level 52-Te-131m
 Cross Section -98.28 To 0.000 %



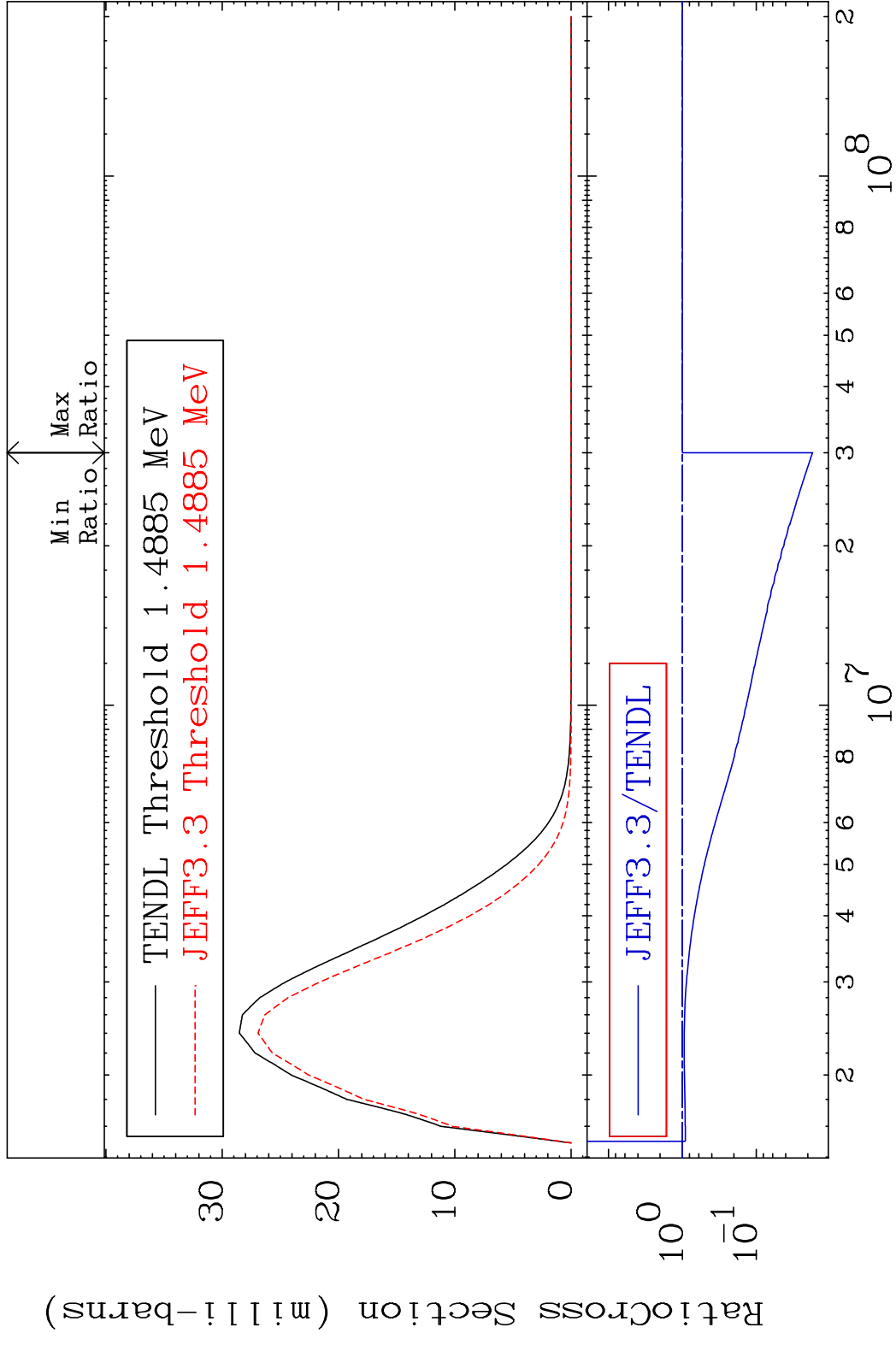
MAT 5259 MT= 67 (n,n') Level 52-Te-131m
 Cross Section -98.22 To 29.47 %



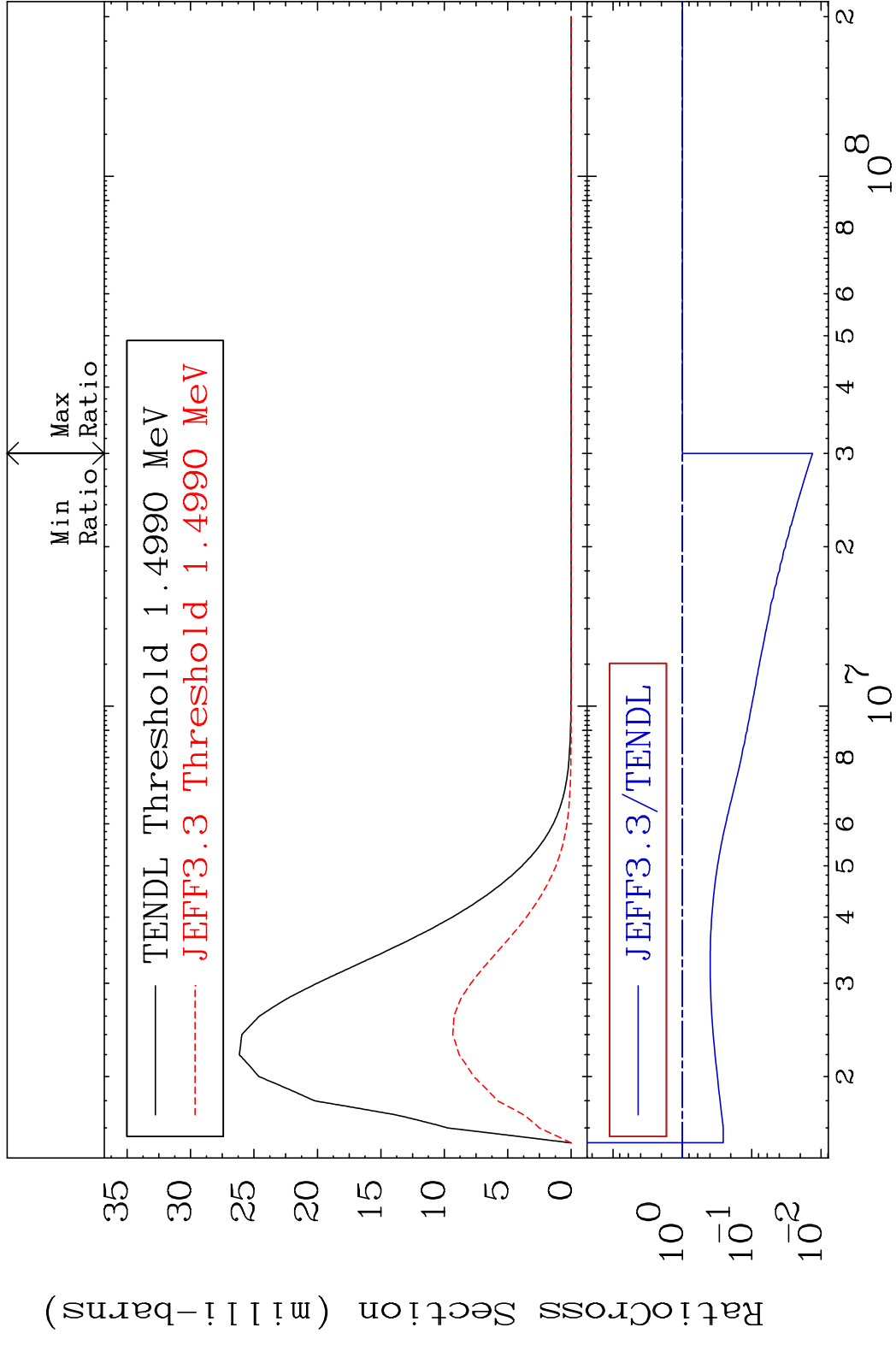
MAT 5259 MT= 68 (n,n') Level 52-Te-131m
 Cross Section -97.46 To 326.2 %



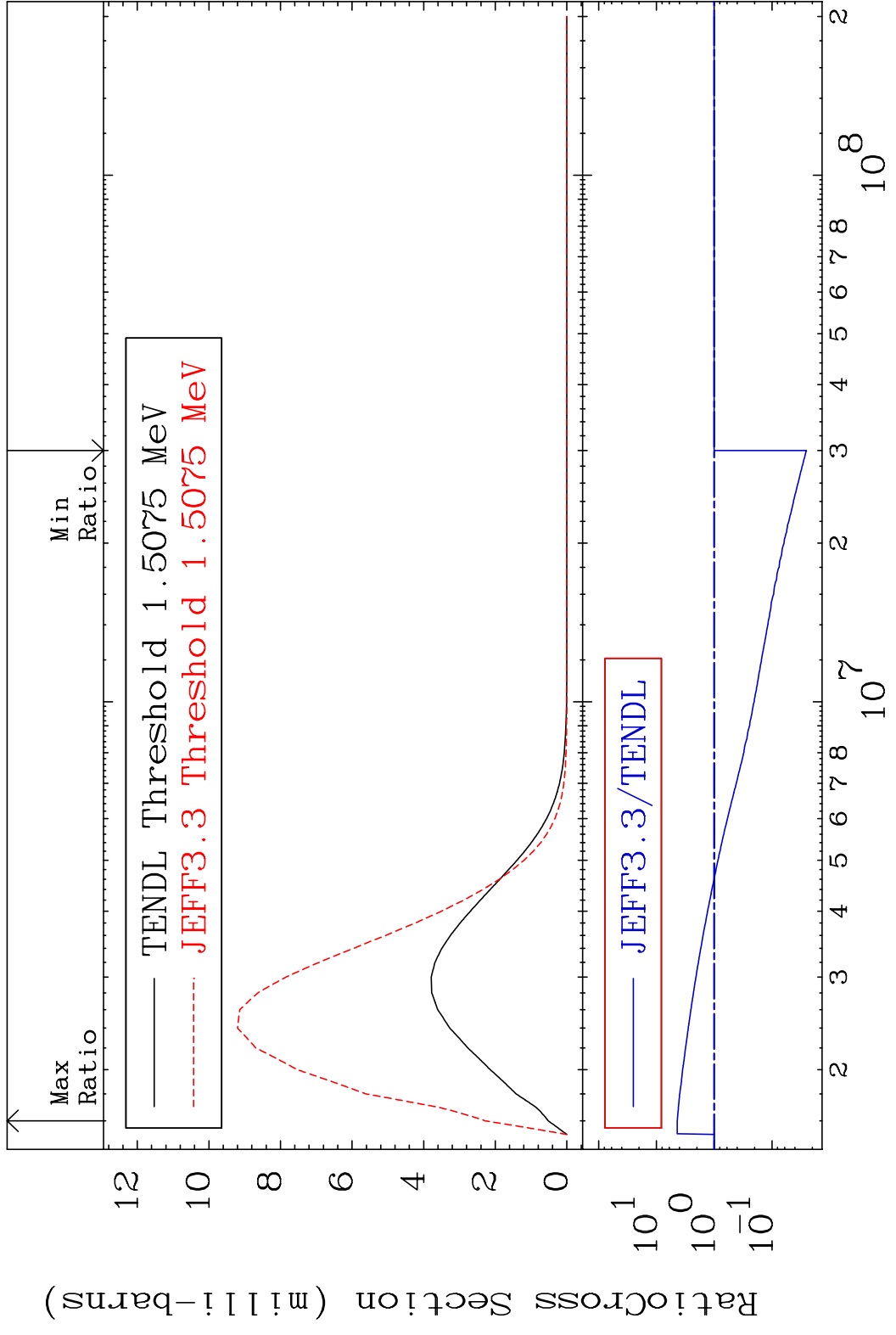
MAT 5259 MT= 69 (n, n') Level 52-Te-131m
 Cross Section -98.27 To 0.000 %



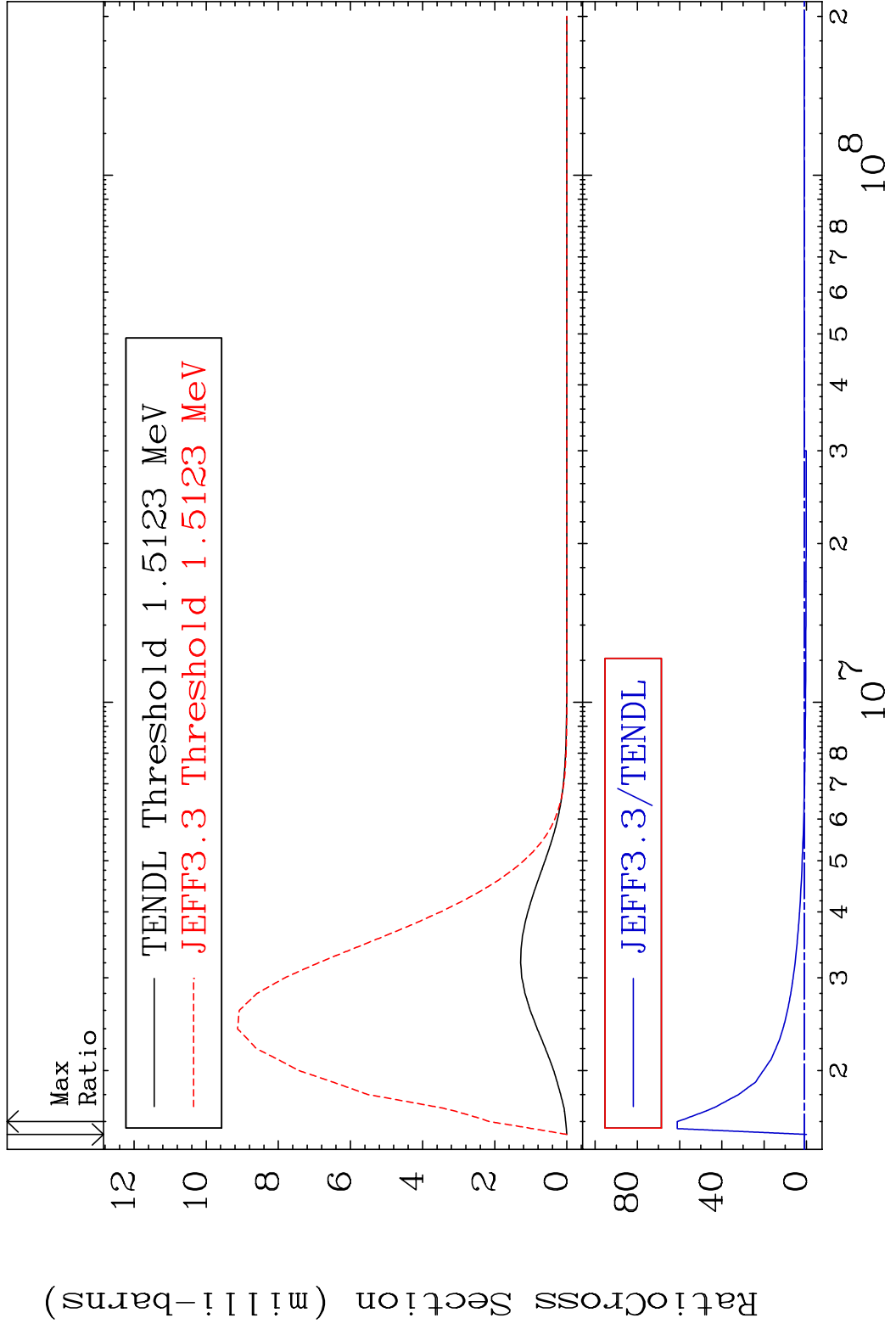
MAT 5259 MT= 70 (n, n') Level 52-Te-131m
 Cross Section -98.67 To 0.000 %



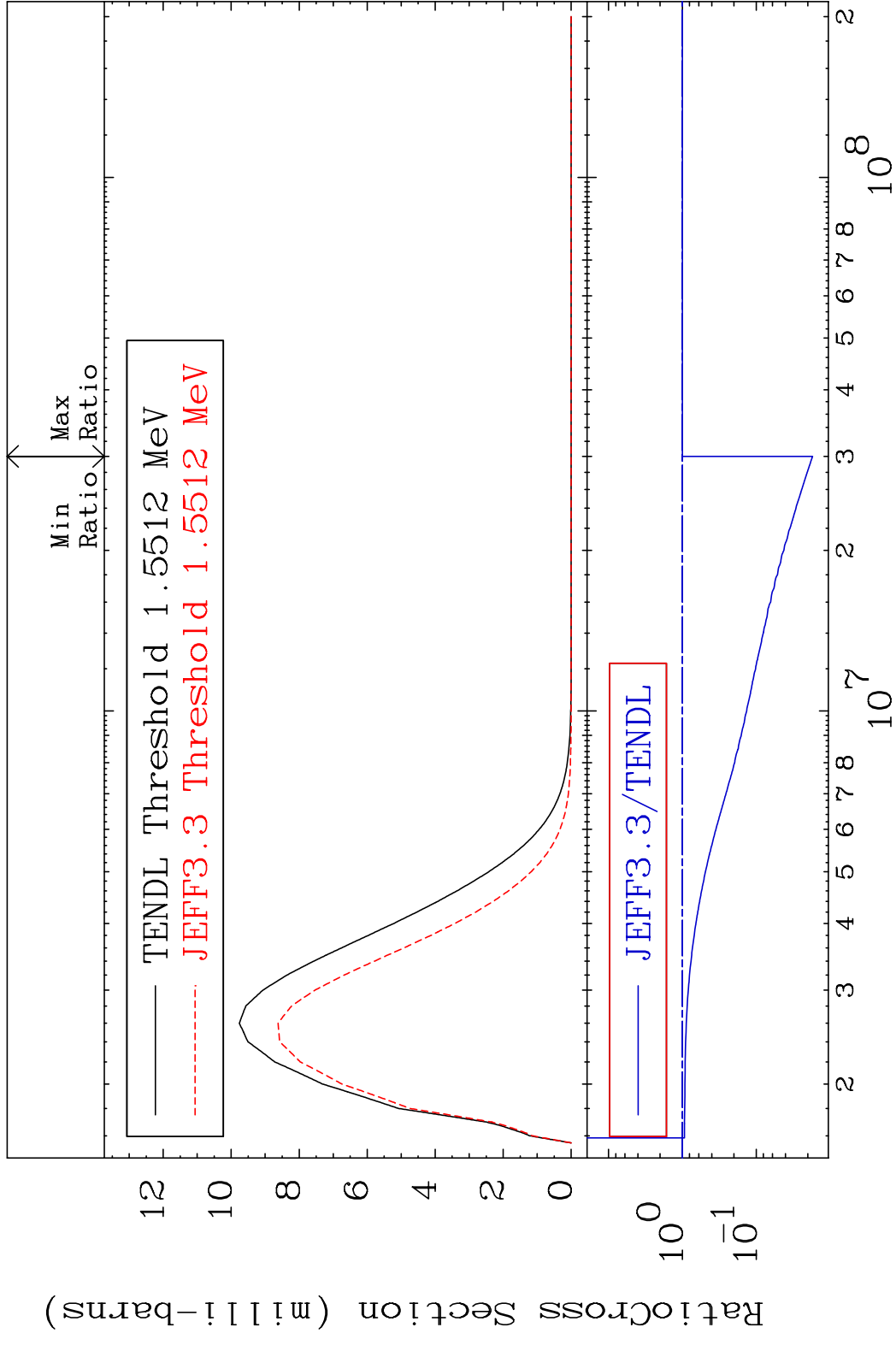
MAT 5259 MT= 71 (n,n') Level 52-Te-131m
 Cross Section -97.46 To 337.4 %



MAT 5259 MT= 72 (n,n') Level 52-Te-131m
 Cross Section -100.0 To 6016. %

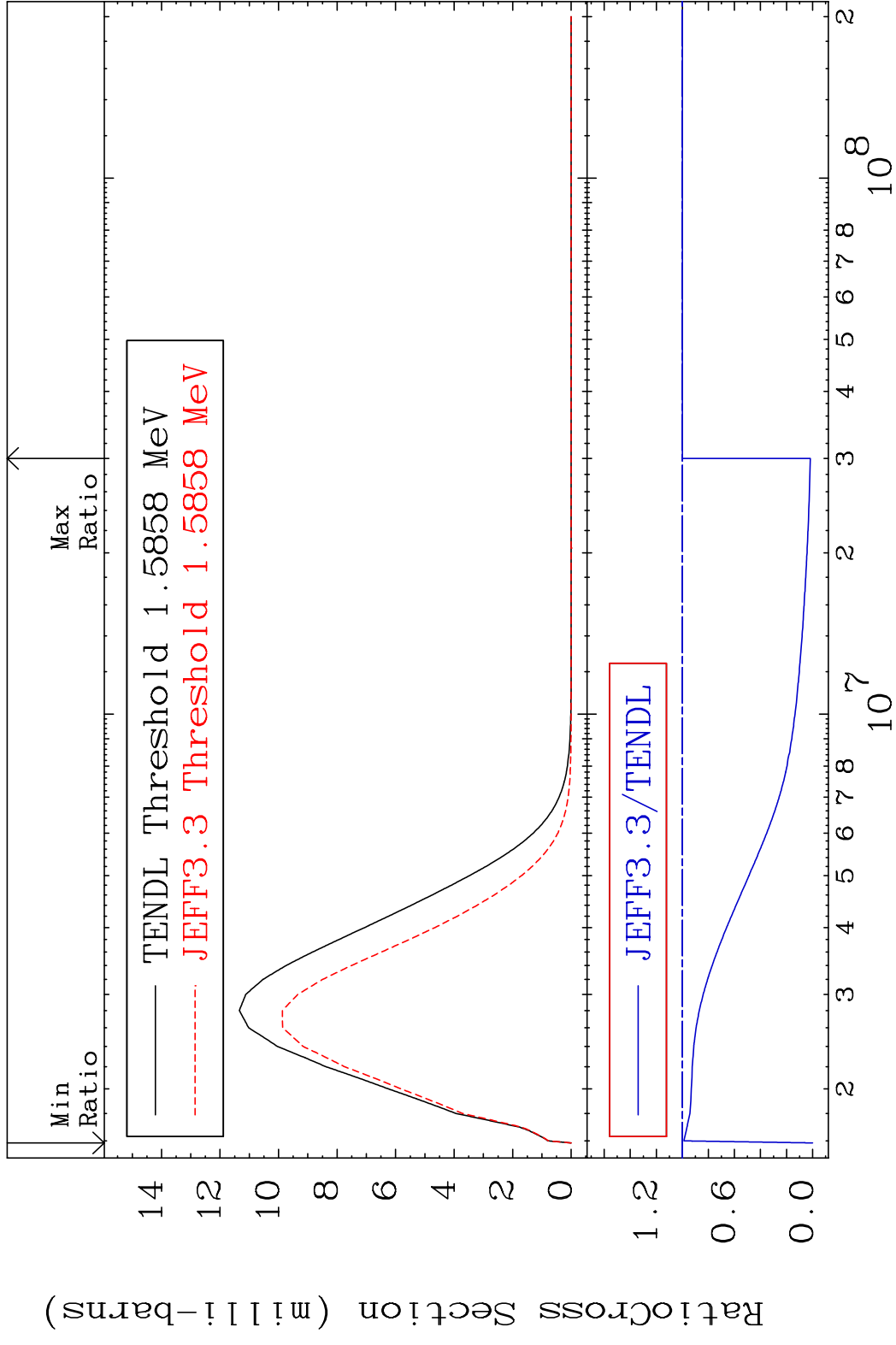


MAT 5259 MT= 73 (n, n') Level 52-Te-131m
 Cross Section -98.28 To 0.000 %

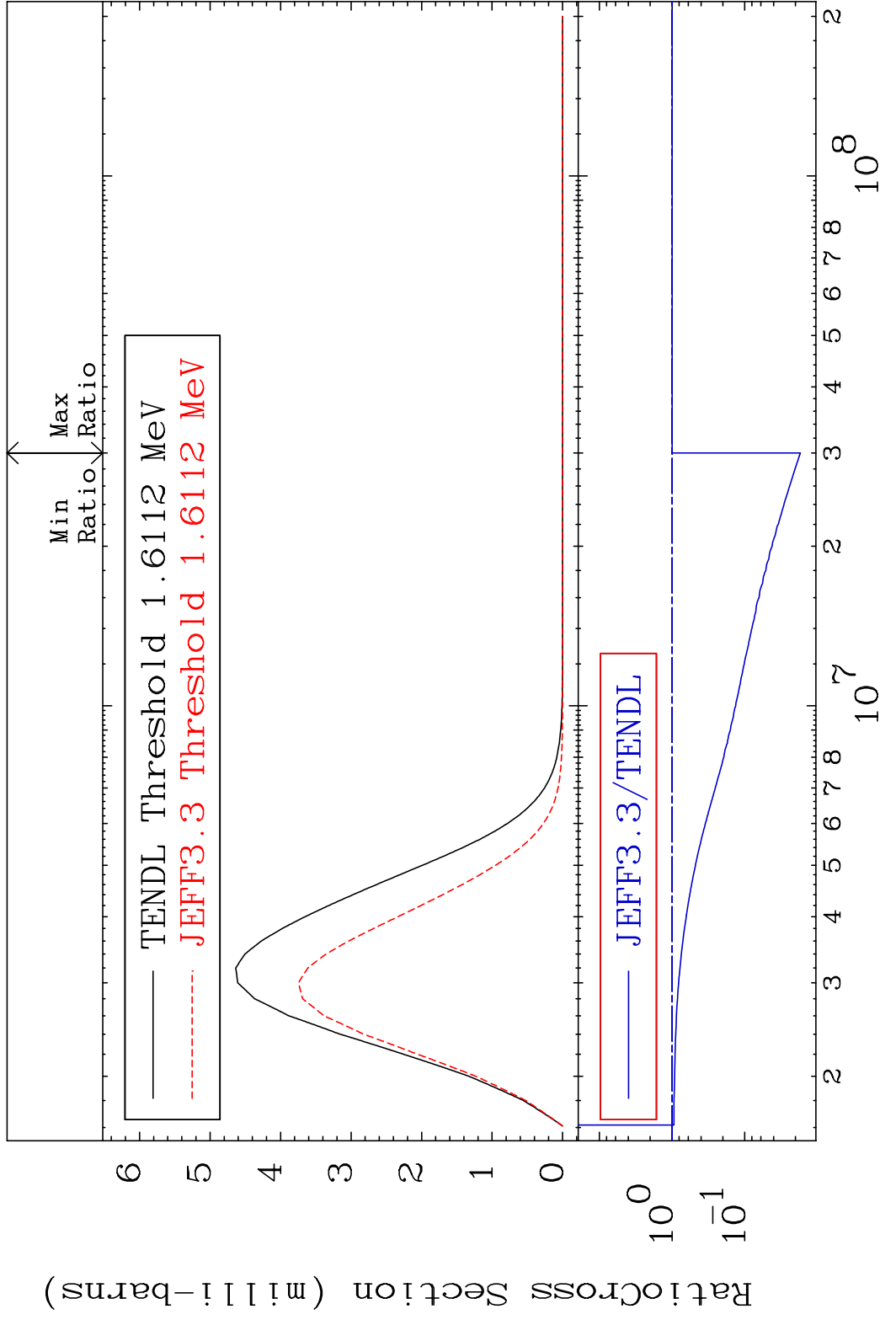


40 Incident Energy (eV) 52-Te-131m

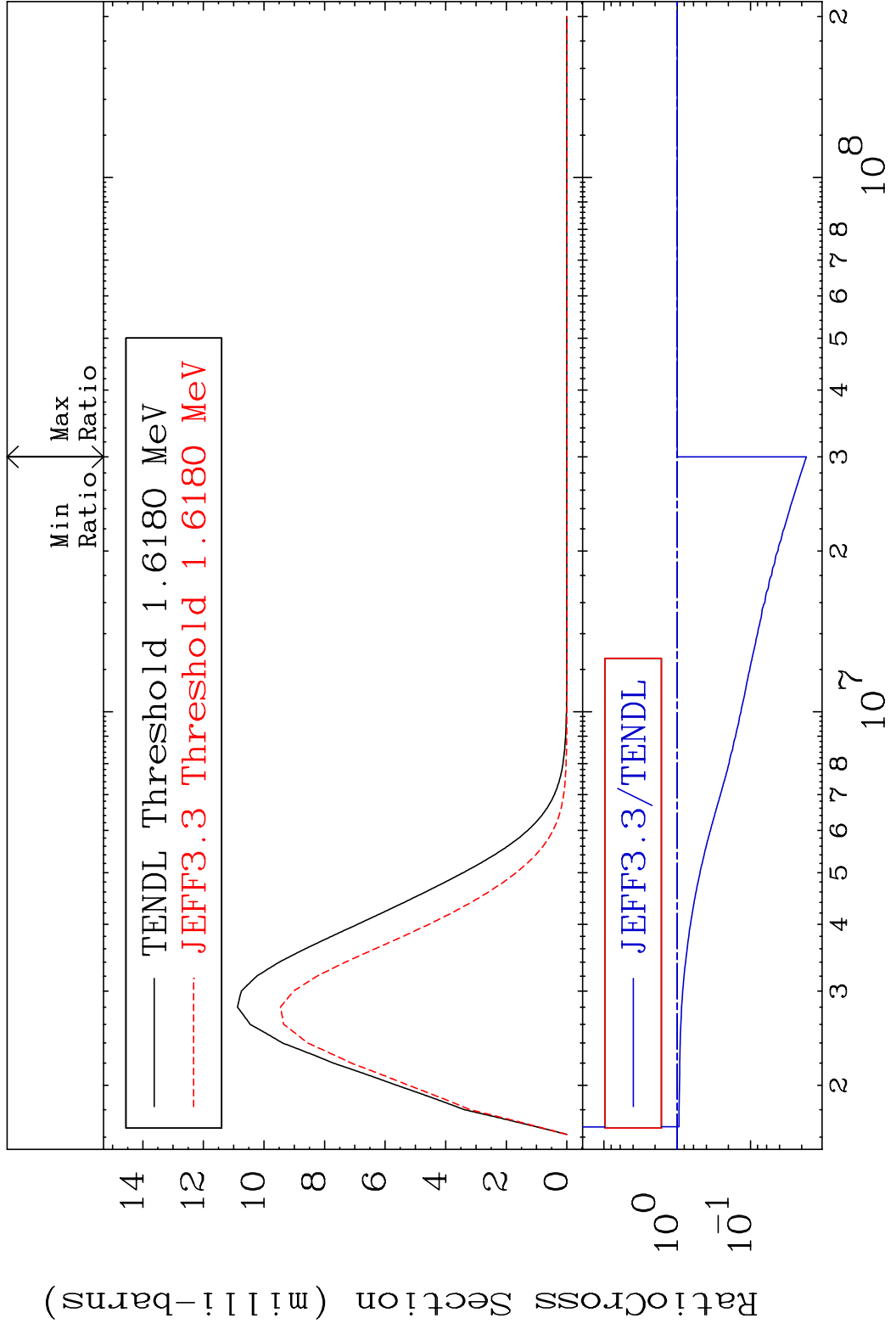
MAT 5259 MT= 74 (n,n') Level 52-Te-131m
 Cross Section -100.0 To 0.000 %



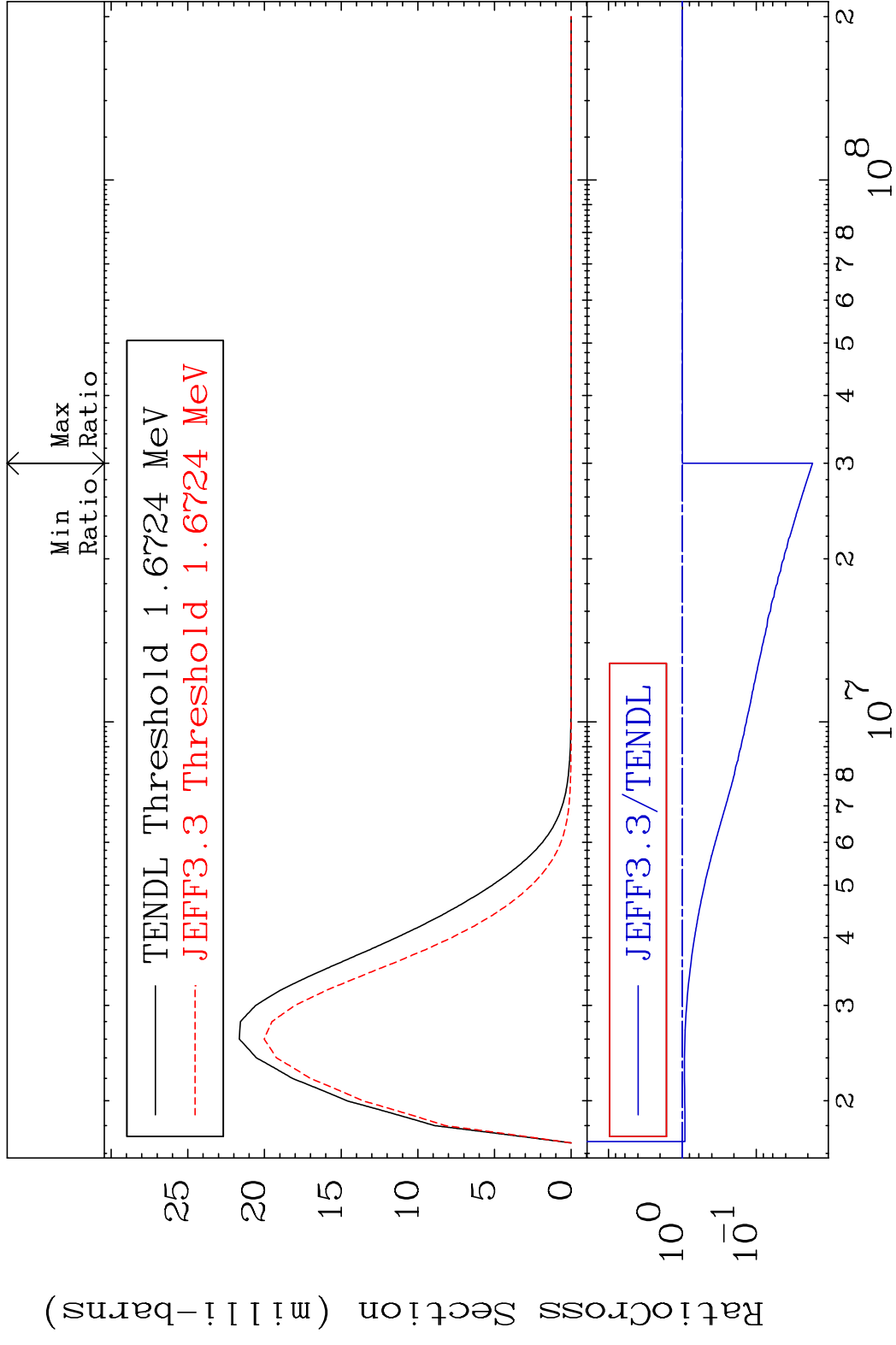
MAT 5259 MT= 75 (n,n') Level 52-Te-131m
 Cross Section -98.28 To 0.000 %



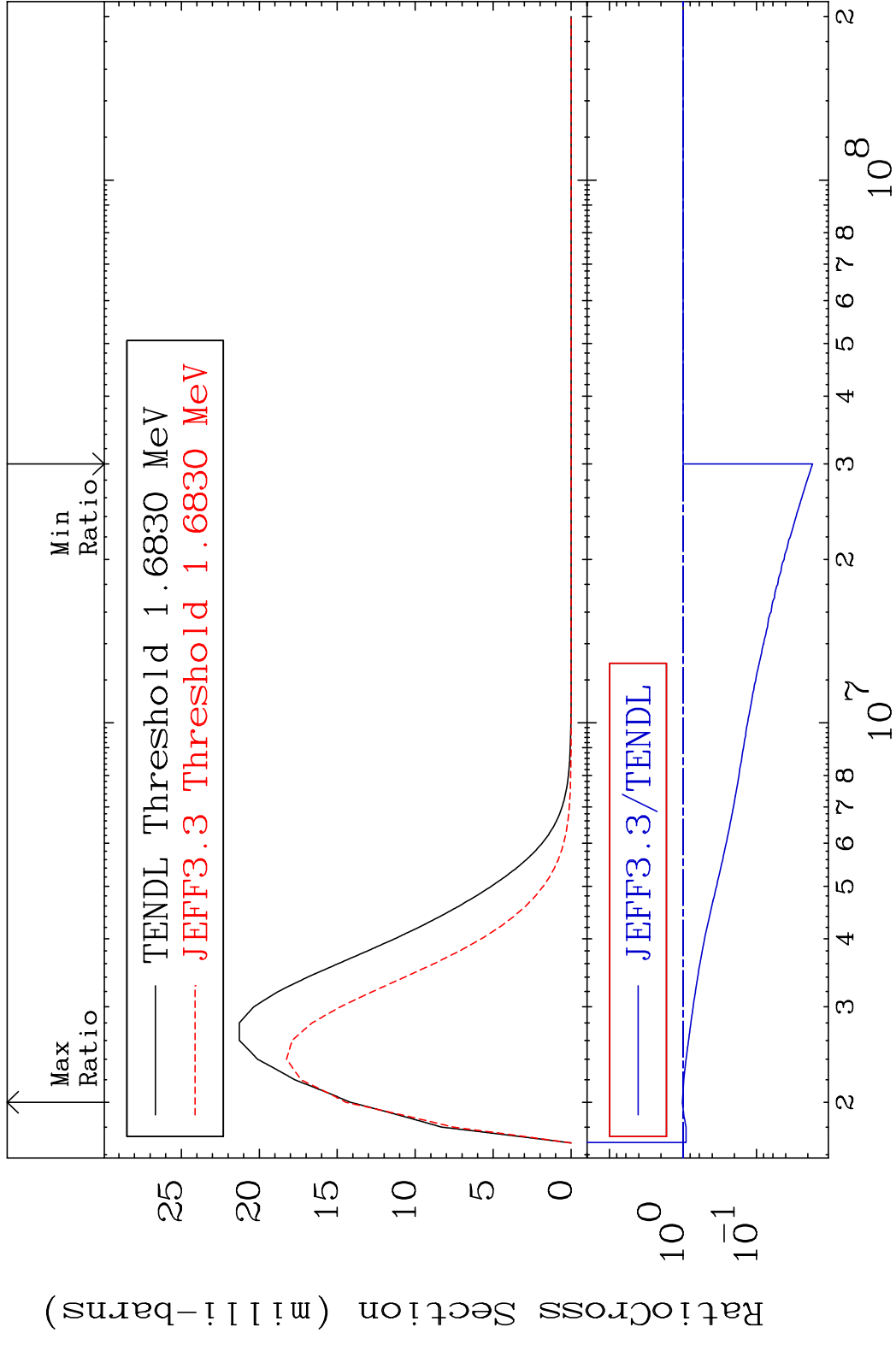
MAT 5259 MT= 76 (n, n') Level 52-Te-131m
 Cross Section -98.28 To 0.000 %



MAT 5259 MT= 77 (n,n') Level 52-Te-131m
 Cross Section -98.27 To 0.000 %

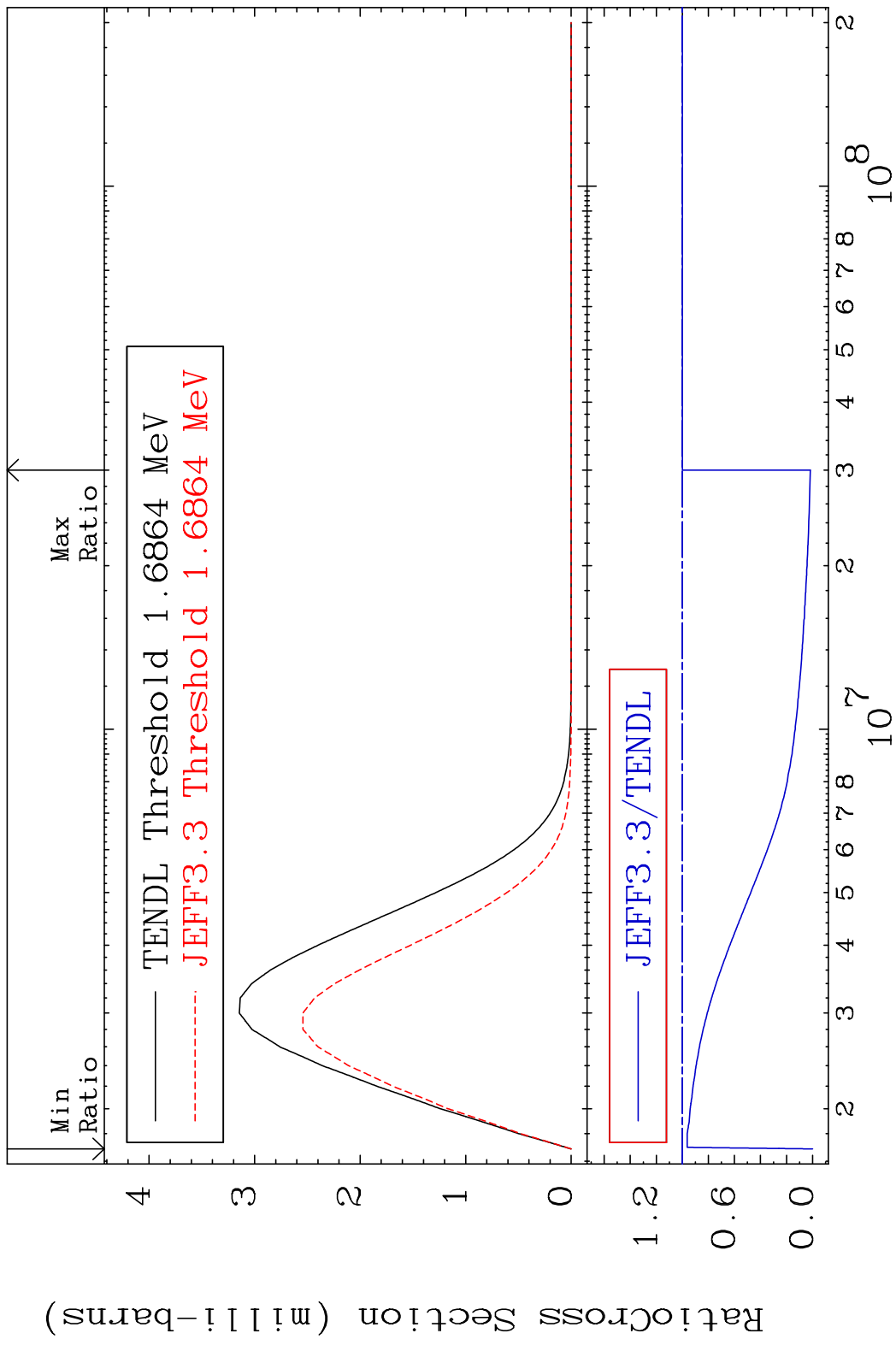


MAT 5259 MT= 78 (n,n') Level 52-Te-131m
 Cross Section -98.27 To 2.088 %



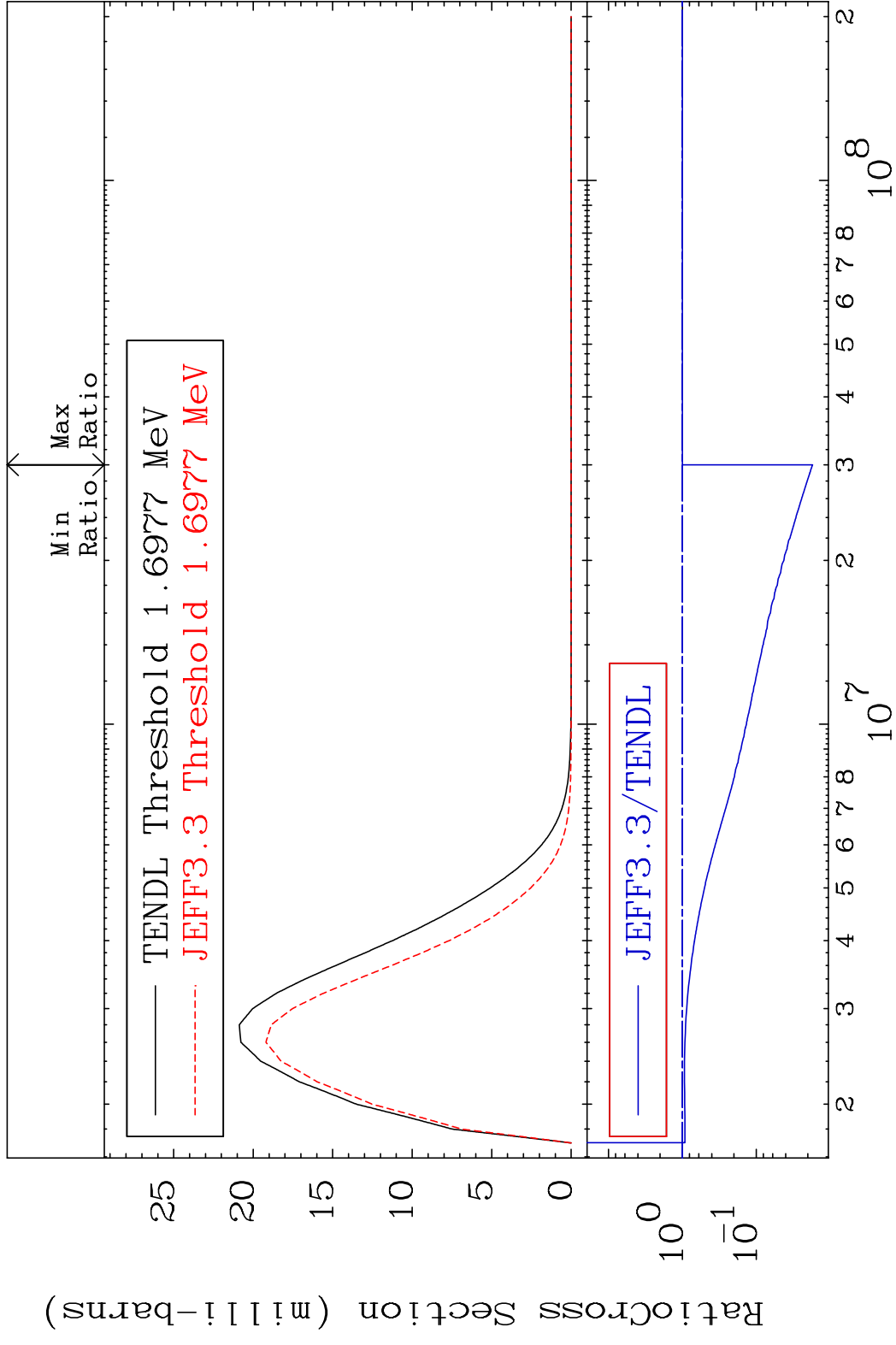
45 Incident Energy (eV) 52-Te-131m

MAT 5259 MT= 79 (n, n') Level 52-Te-131m
 Cross Section -100.0 To 0.000 %



46 Incident Energy (eV) 52-Te-131m

MAT 5259 MT= 80 (n,n') Level 52-Te-131m
 Cross Section -98.27 To 0.000 %



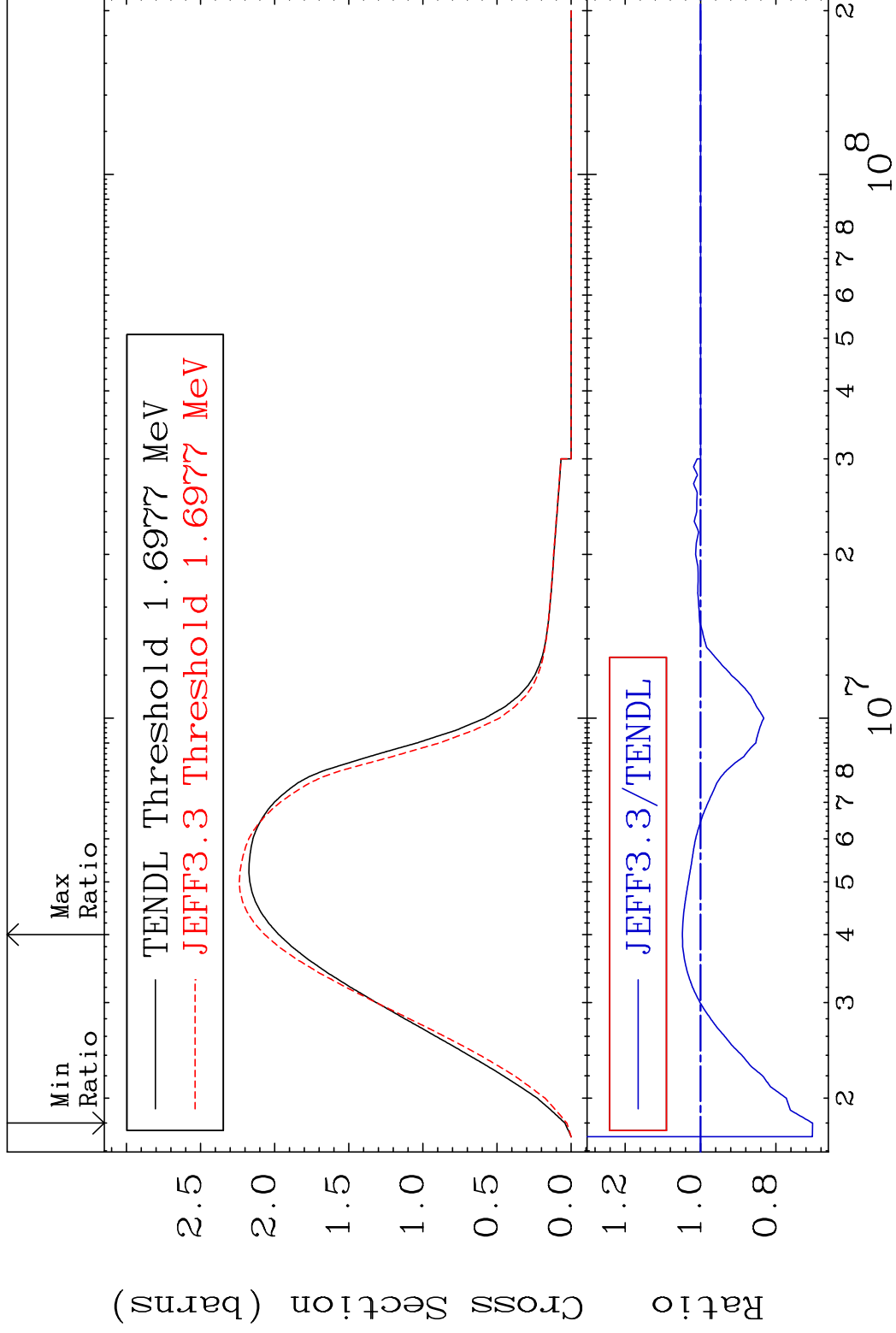
MAT 5259

(n, n') Continuum

52-Te-131m

Cross Section

-29.73 To 4.828 %



48

Incident Energy (eV)

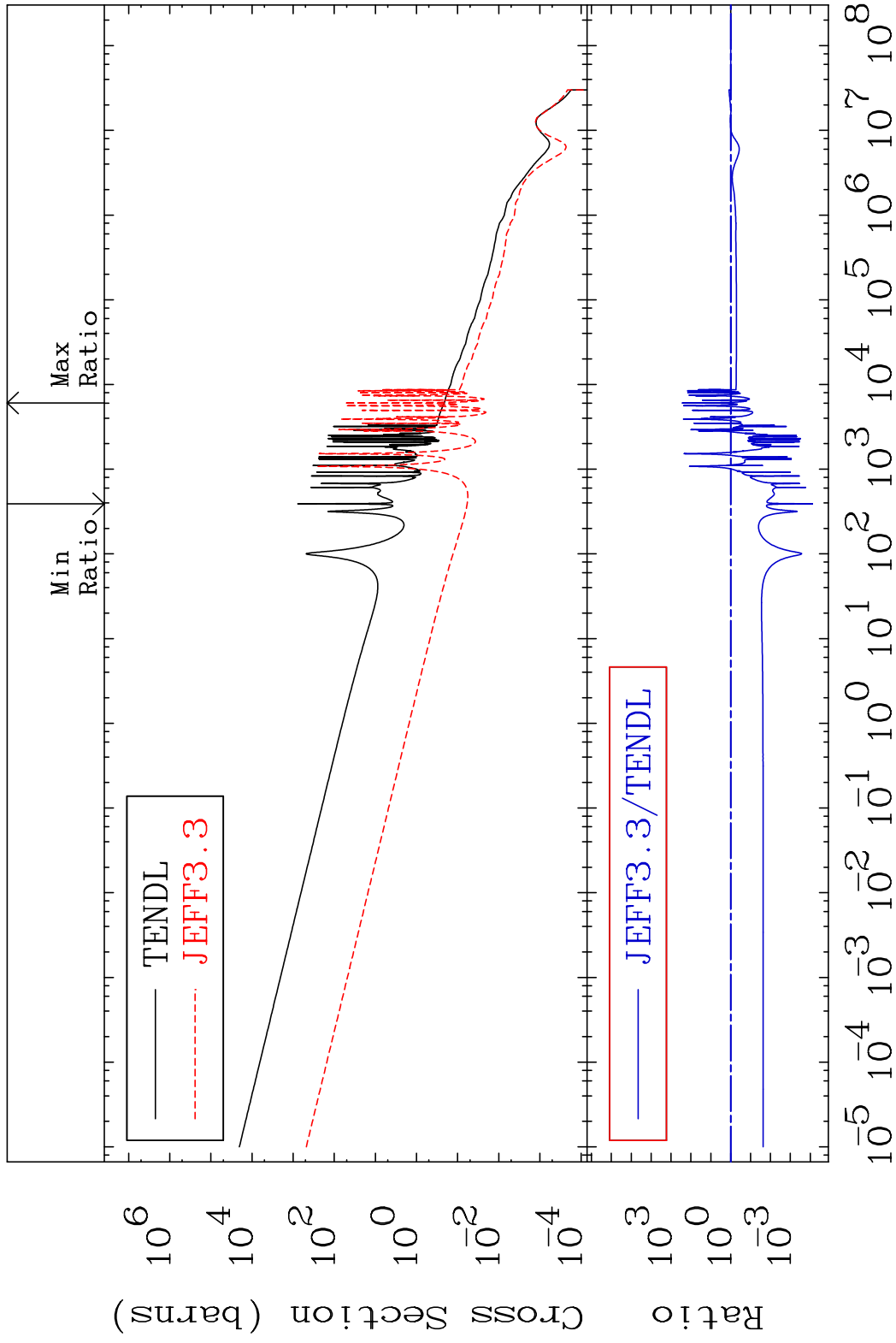
52-Te-131m

MAT 5259

(n, γ)

52-Te-131m

Cross Section -99.99 To 9999. %



49

Incident Energy (eV)

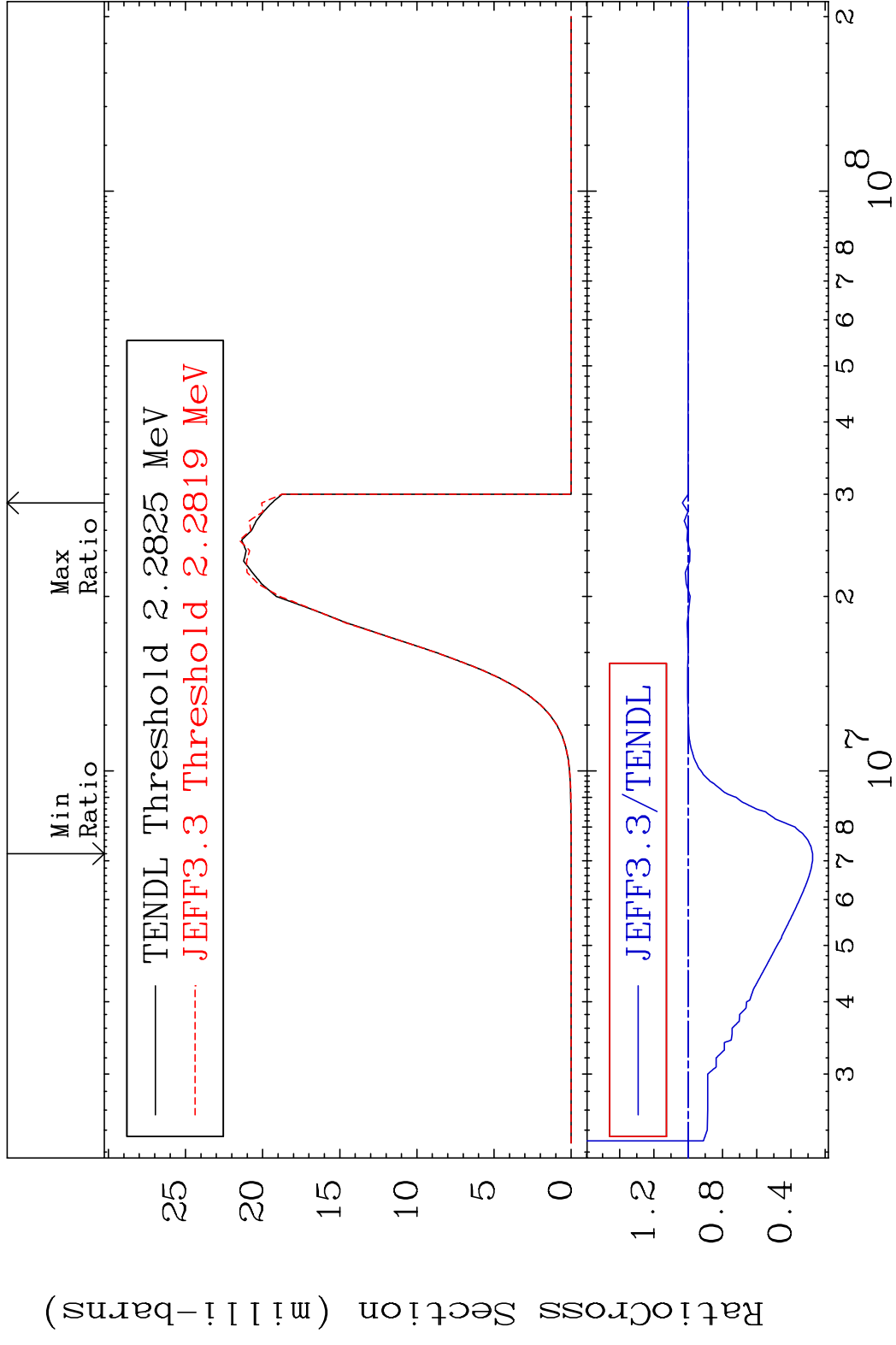
52-Te-131m

MAT 5259

(n, p)

52-Te-131m

Cross Section -72.63 To 3.397 %

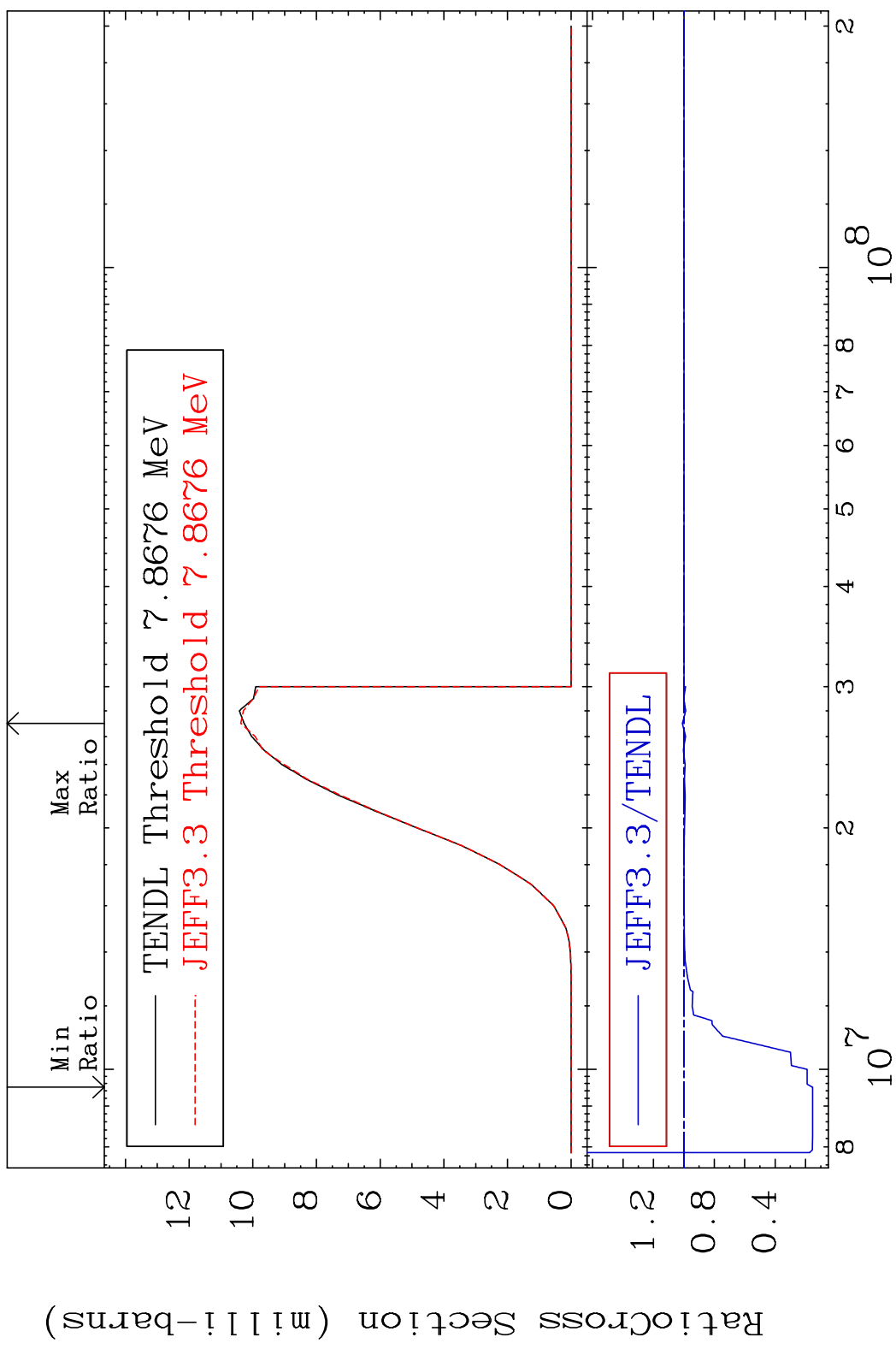


MAT 5259

(n, d)

52-Te-131m

Cross Section -84.60 To 1.012 %

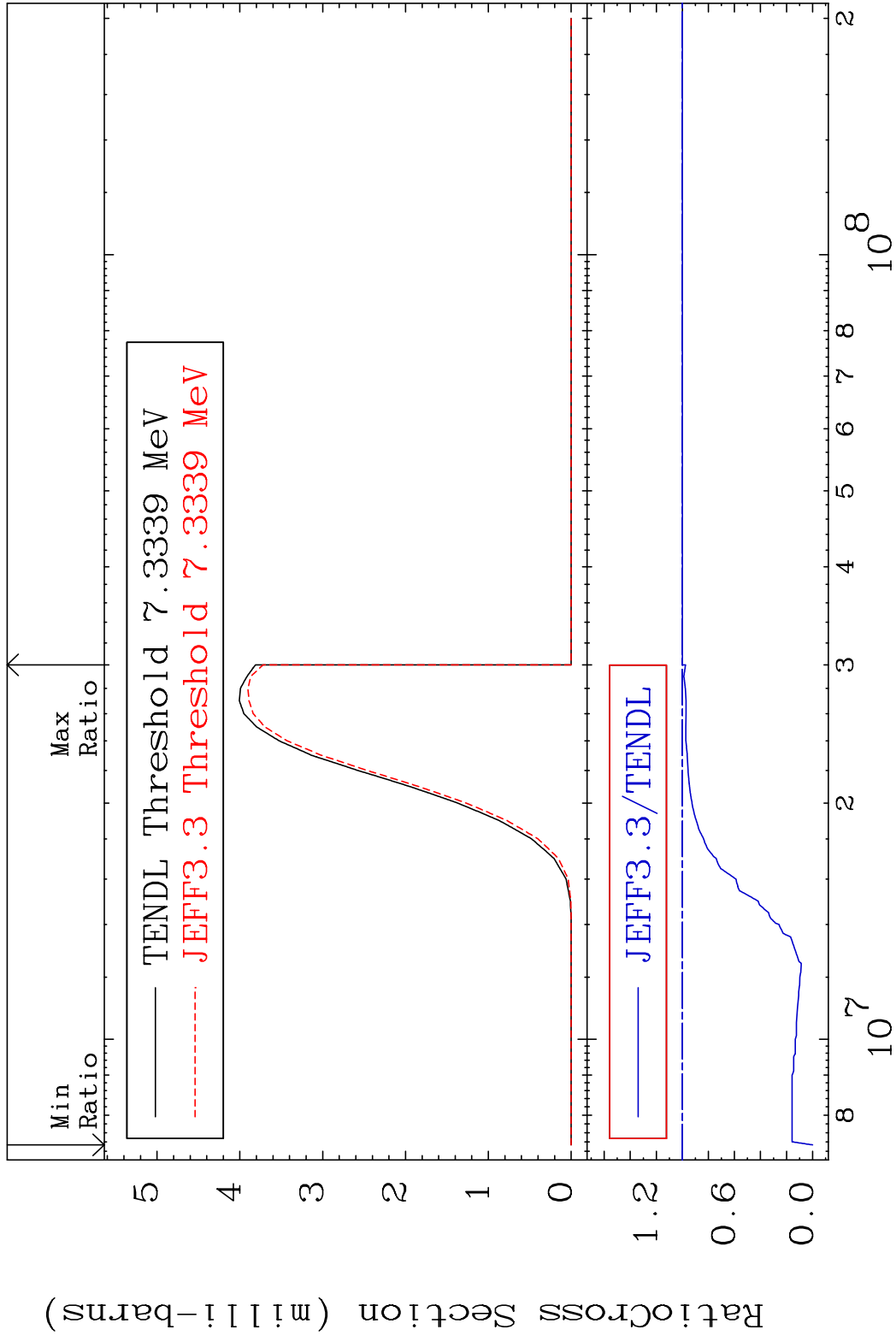


MAT 5259

(n, t)

52-Te-131m

Cross Section -100.0 To 0.000 %



52

Incident Energy (eV)

52-Te-131m

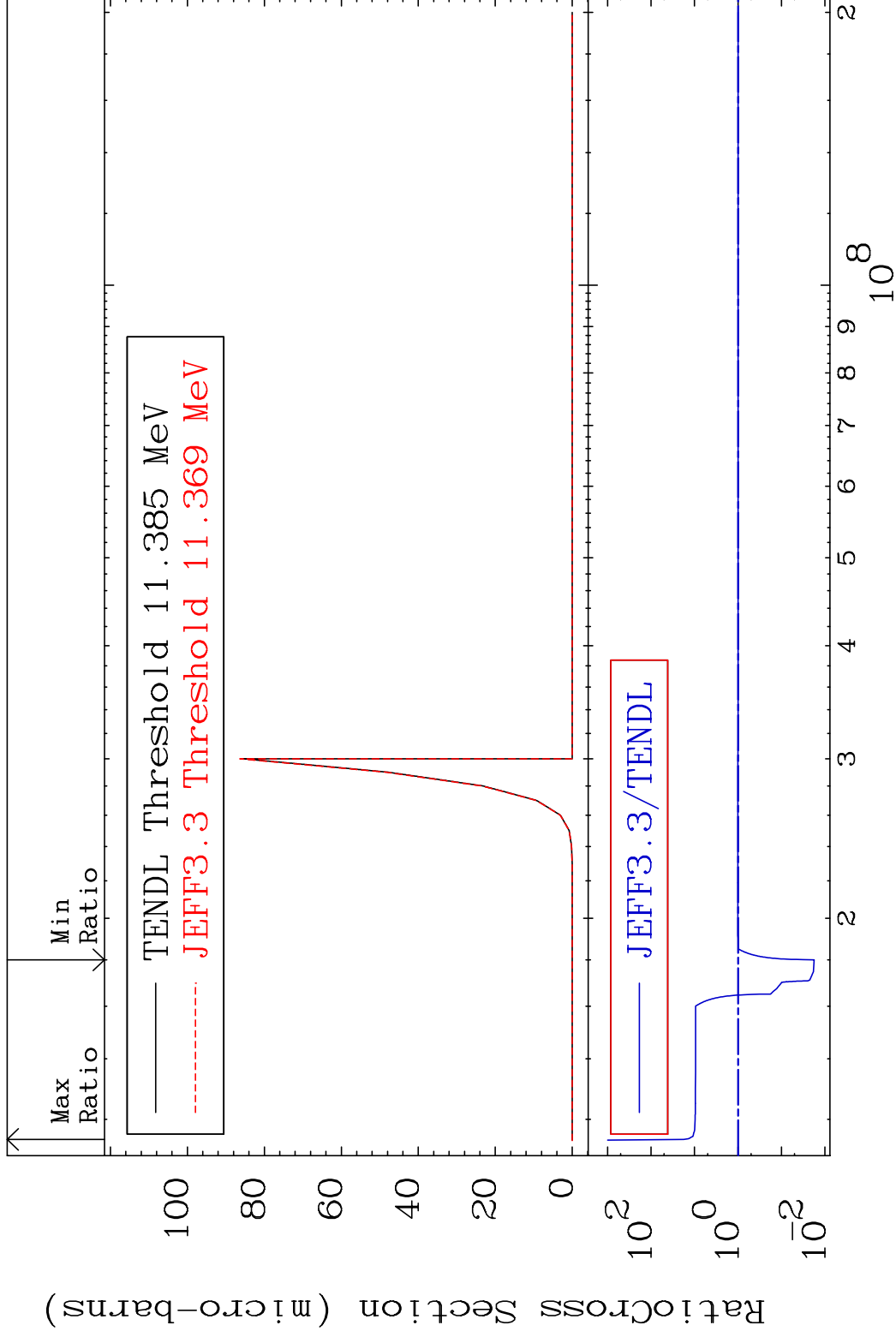
MAT 5259

(n, He-3)

52-Te-131m

Cross Section

-98.22 To 1676. %



53

Incident Energy (eV)

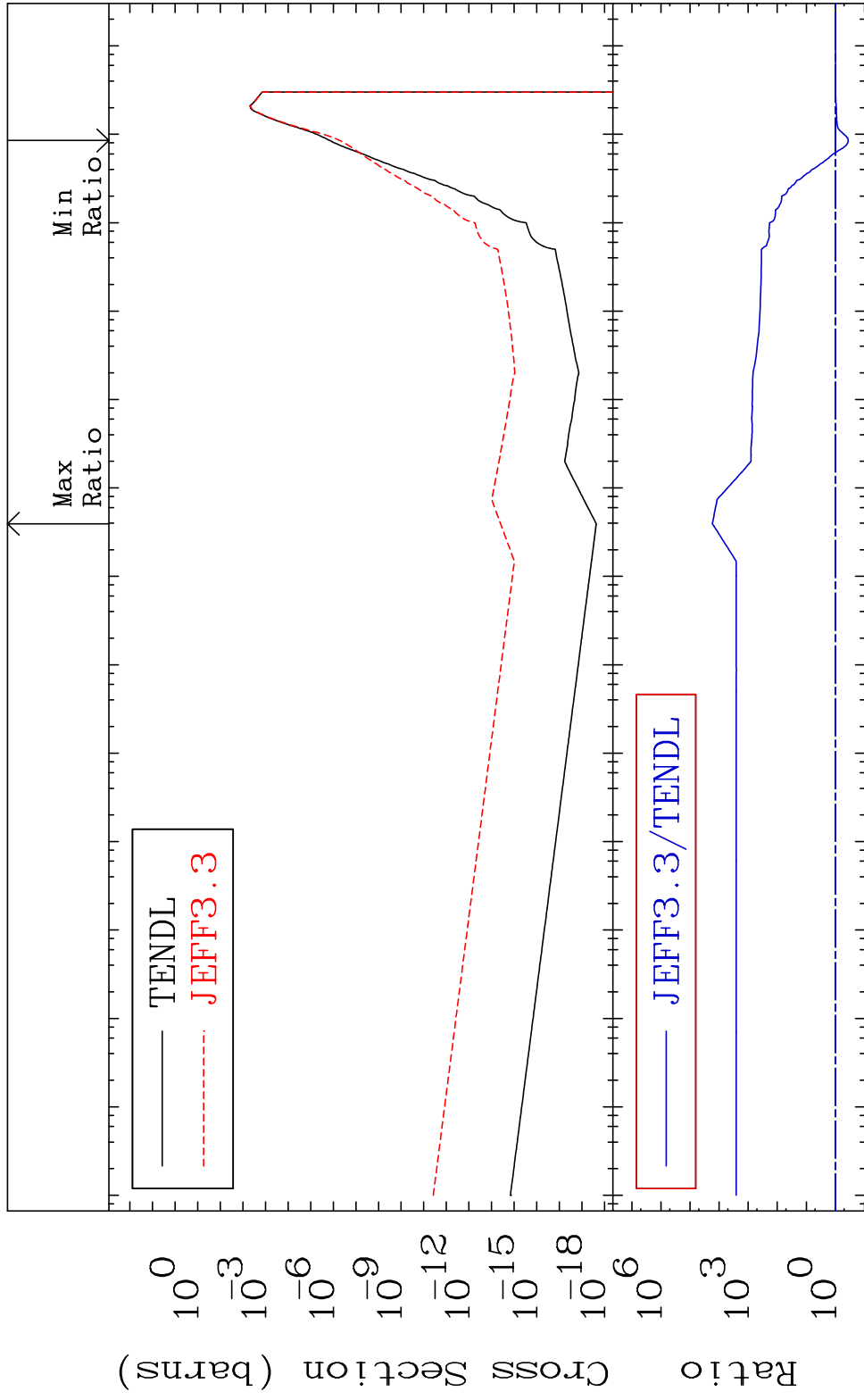
52-Te-131m

MAT 5259

52-Te-131m

(n, α)

Cross Section -63.93 To 9999. %



54

Incident Energy (eV)

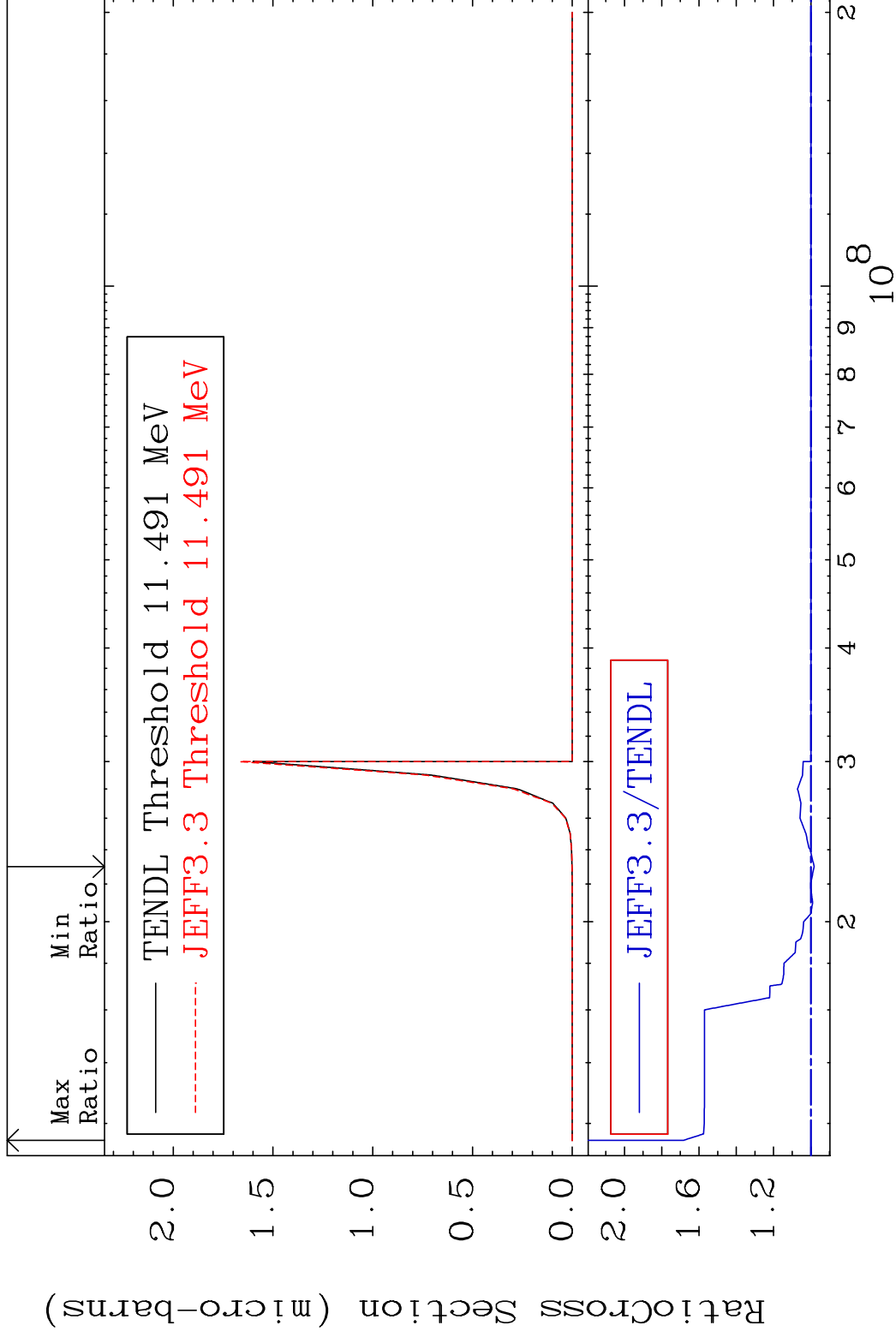
52-Te-131m

MAT 5259

(n,2p)

52-Te-131m

Cross Section -1.741 To 68.24 %

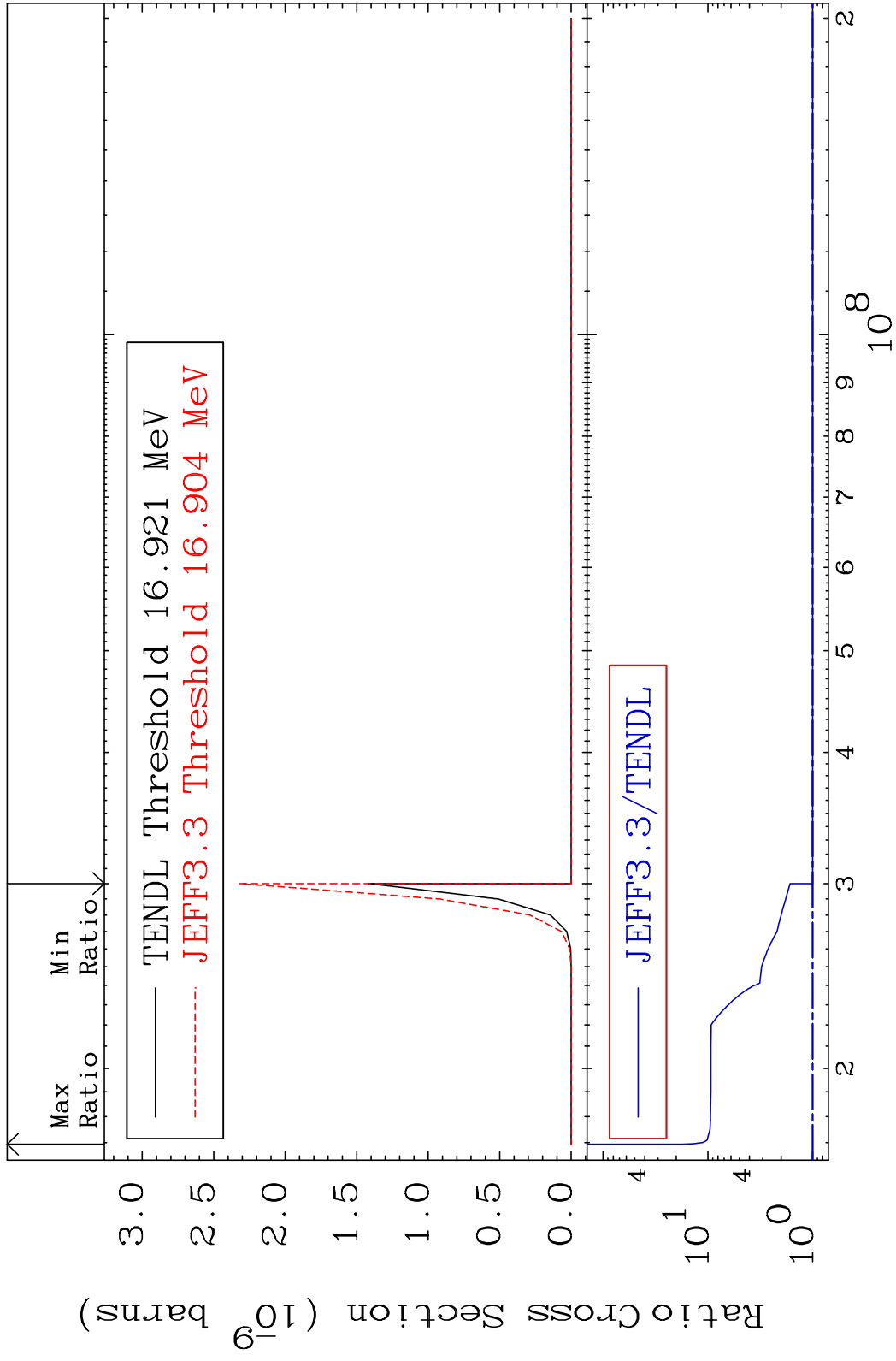


55

Incident Energy (eV)

52-Te-131m

MAT 5259 (n,p) d 52-Te-131m
 Cross Section 0.000 To 1651. %



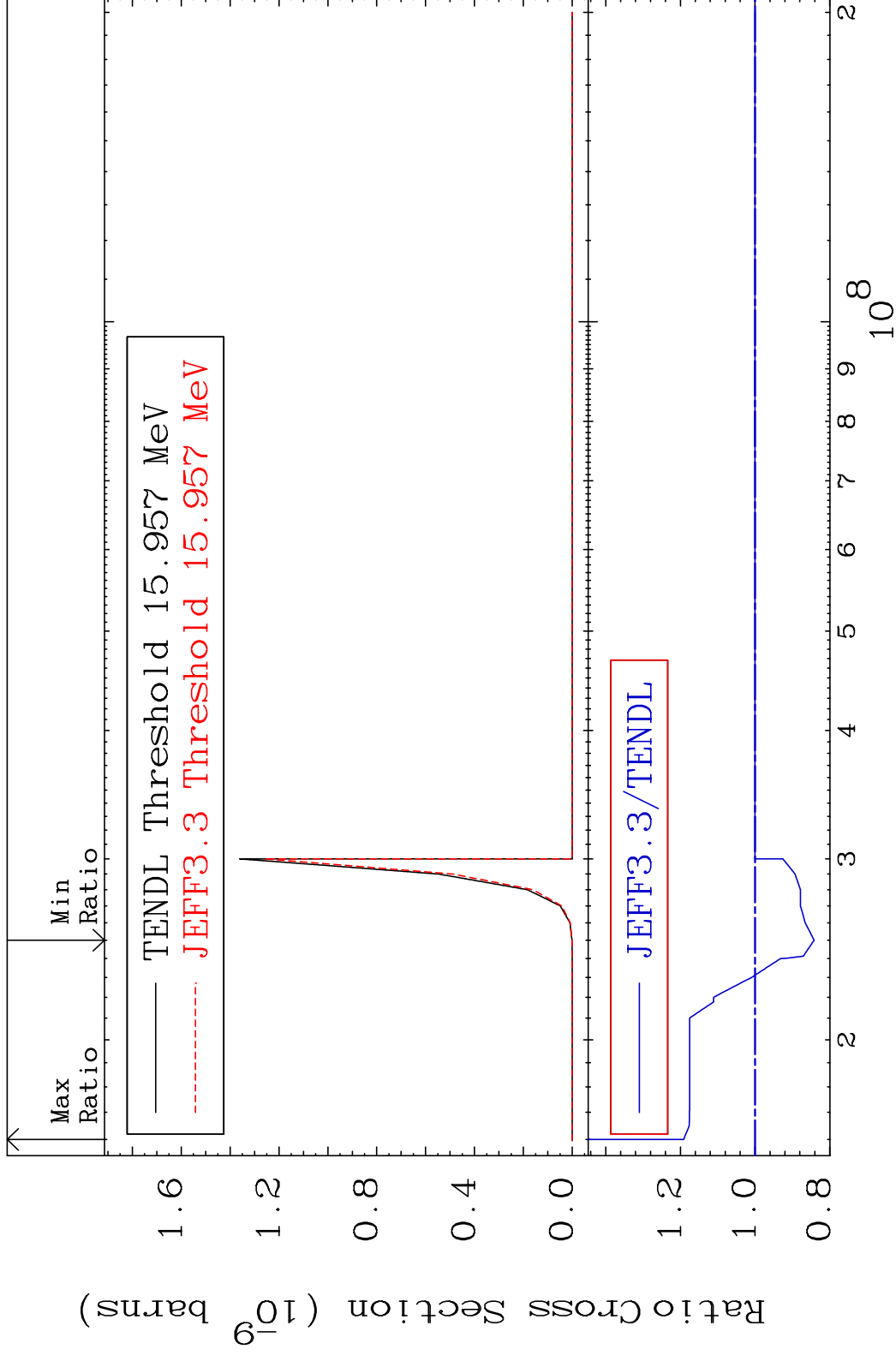
MAT 5259

(n,p) t

52-Te-131m

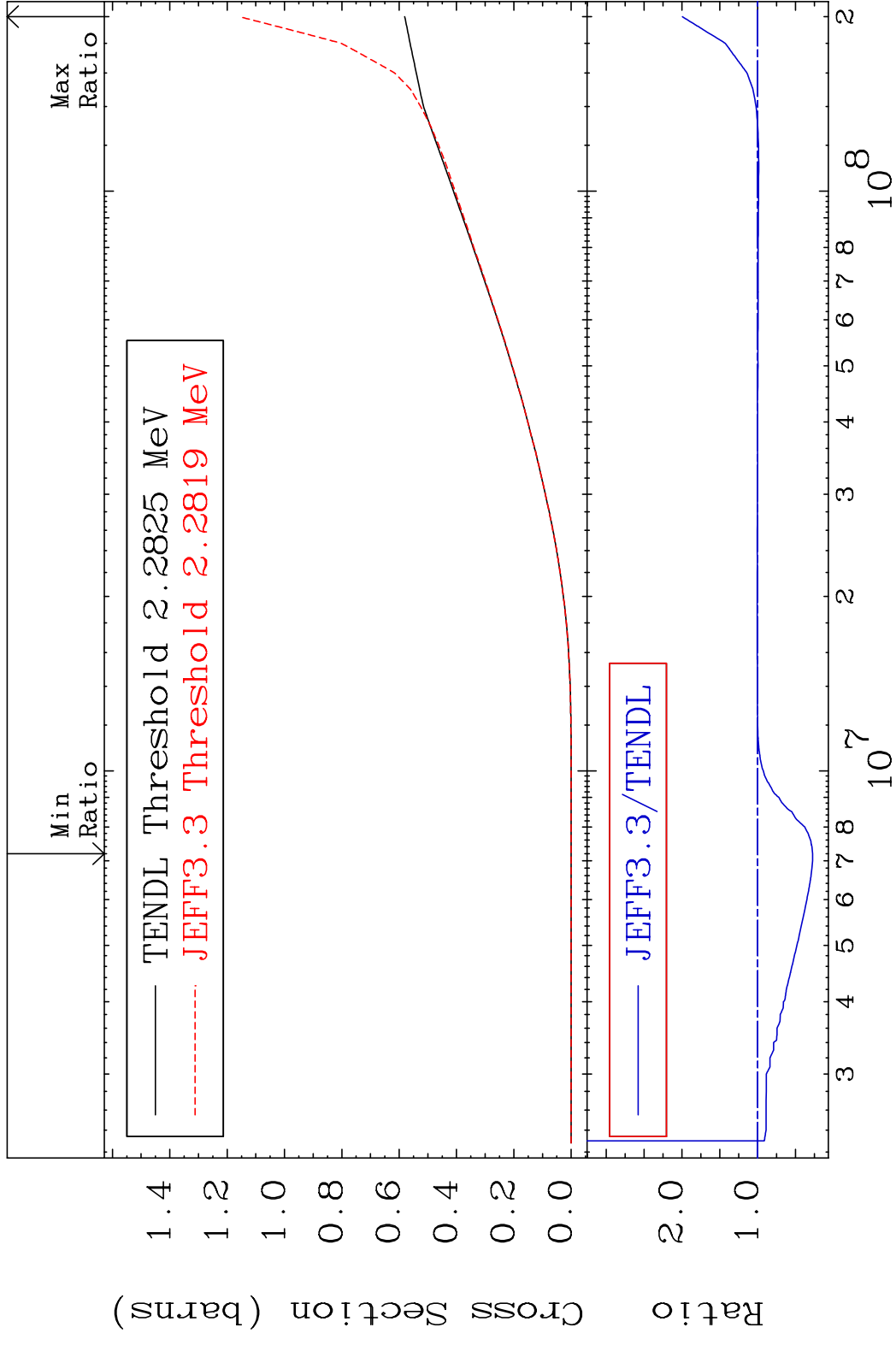
Cross Section

-15.81 To 19.12 %



MAT 5259

Hydrogen Production 52-Te-131m
Cross Section -72.63 To 99.35 %



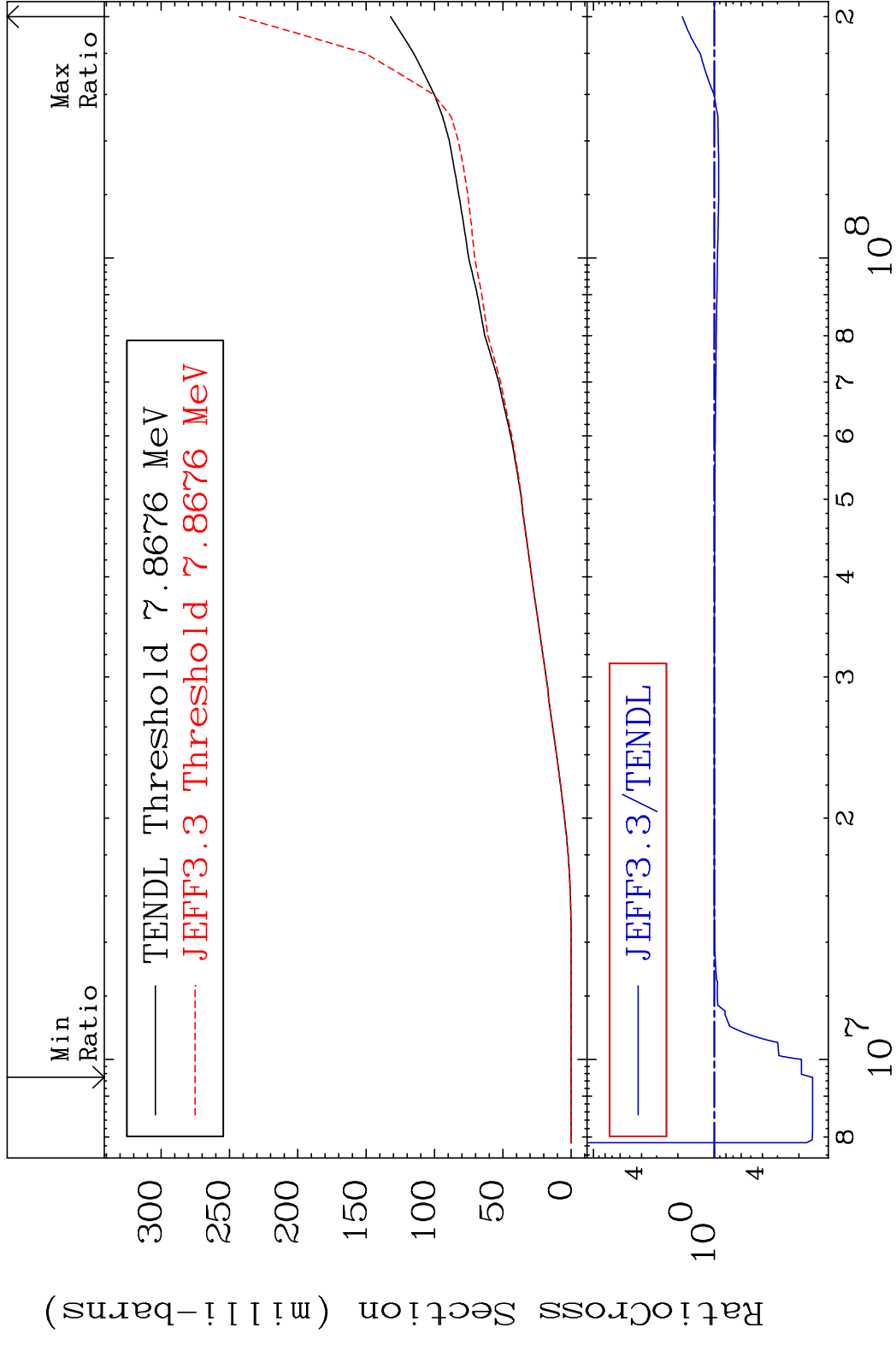
MAT 5259

Deuterium Production

52-Te-131m

Cross Section

-84.60 To 83.74 %

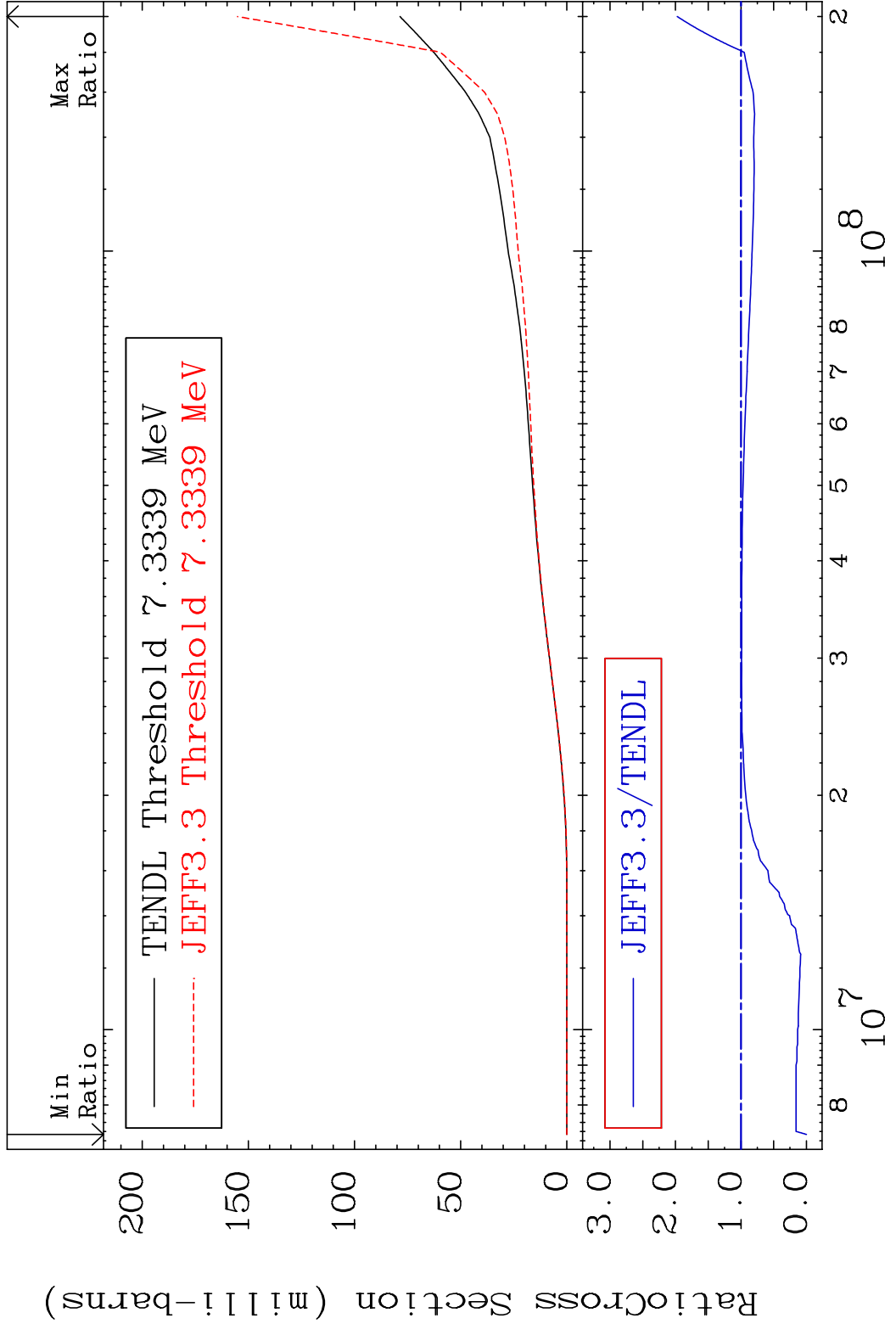


59

Incident Energy (eV)

52-Te-131m

MAT 5259 Tritium Production 52-Te-131m
 Cross Section -100.0 To 97.42 %



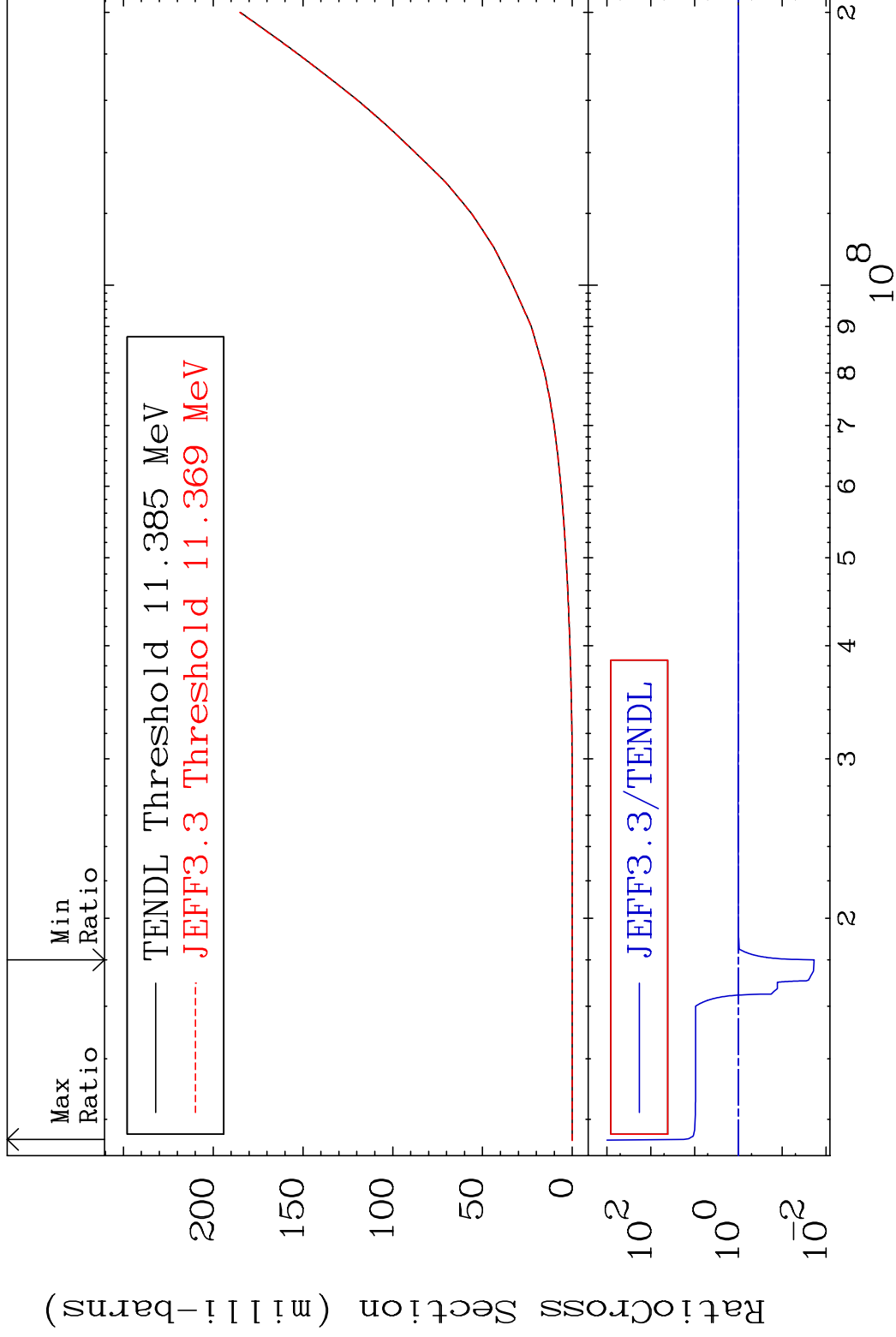
60 Incident Energy (eV) 52-Te-131m

MAT 5259

He-3 Production

52-Te-131m

Cross Section -98.13 To 1676. %



61

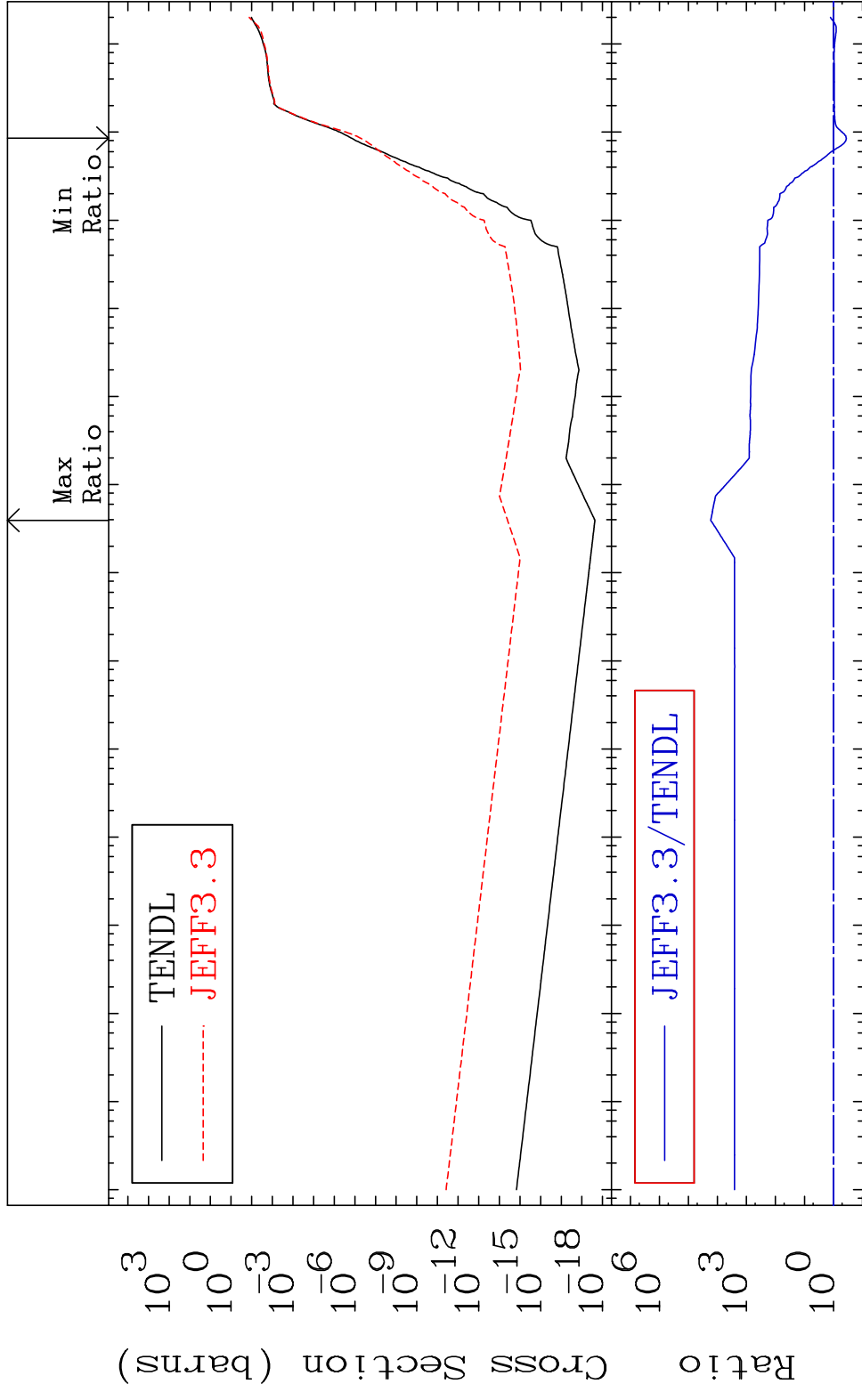
Incident Energy (eV)

52-Te-131m

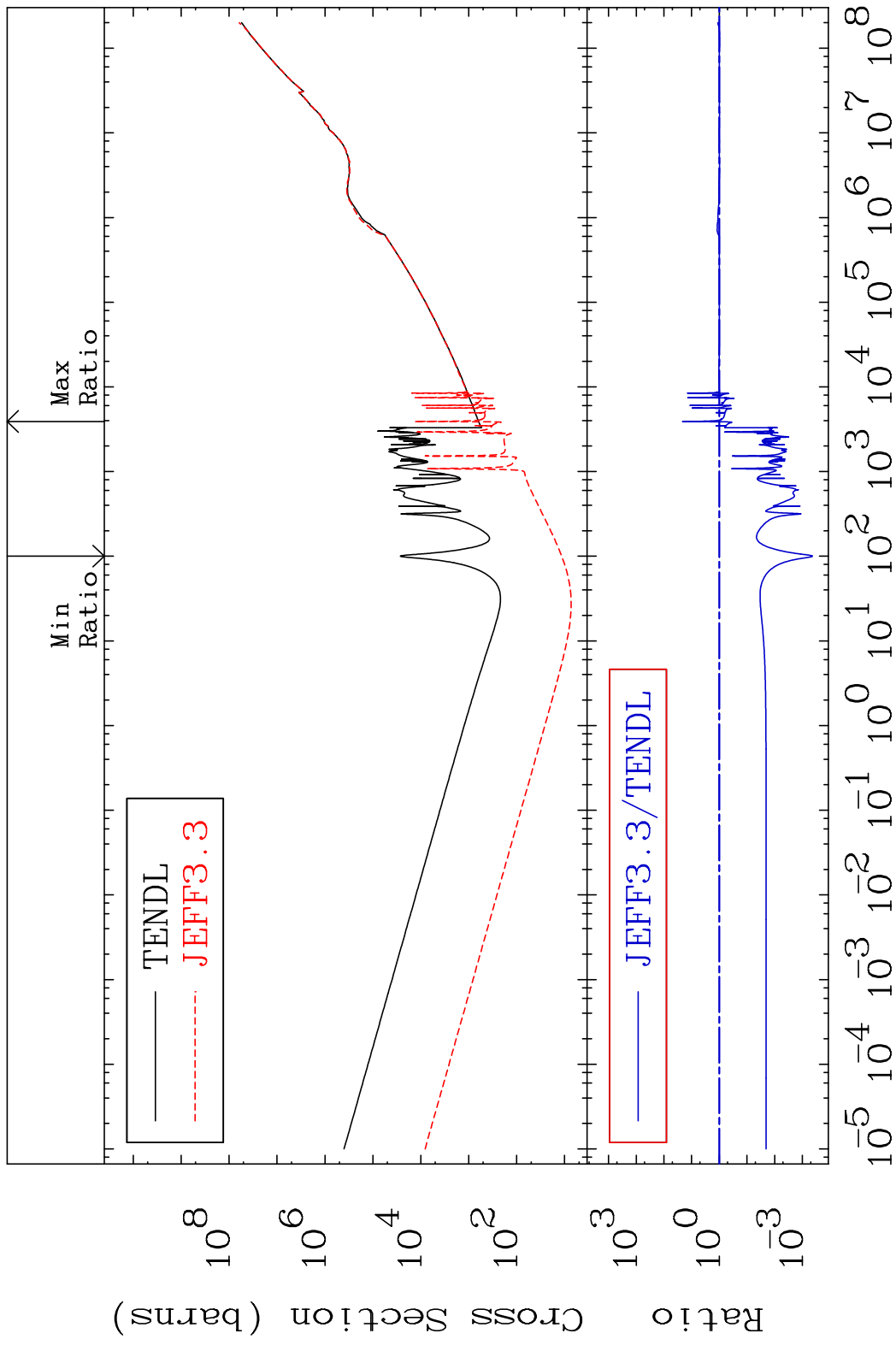
MAT 5259

He-4 Production
Cross Section

52-Te-131m
-63.93 To 9999. %



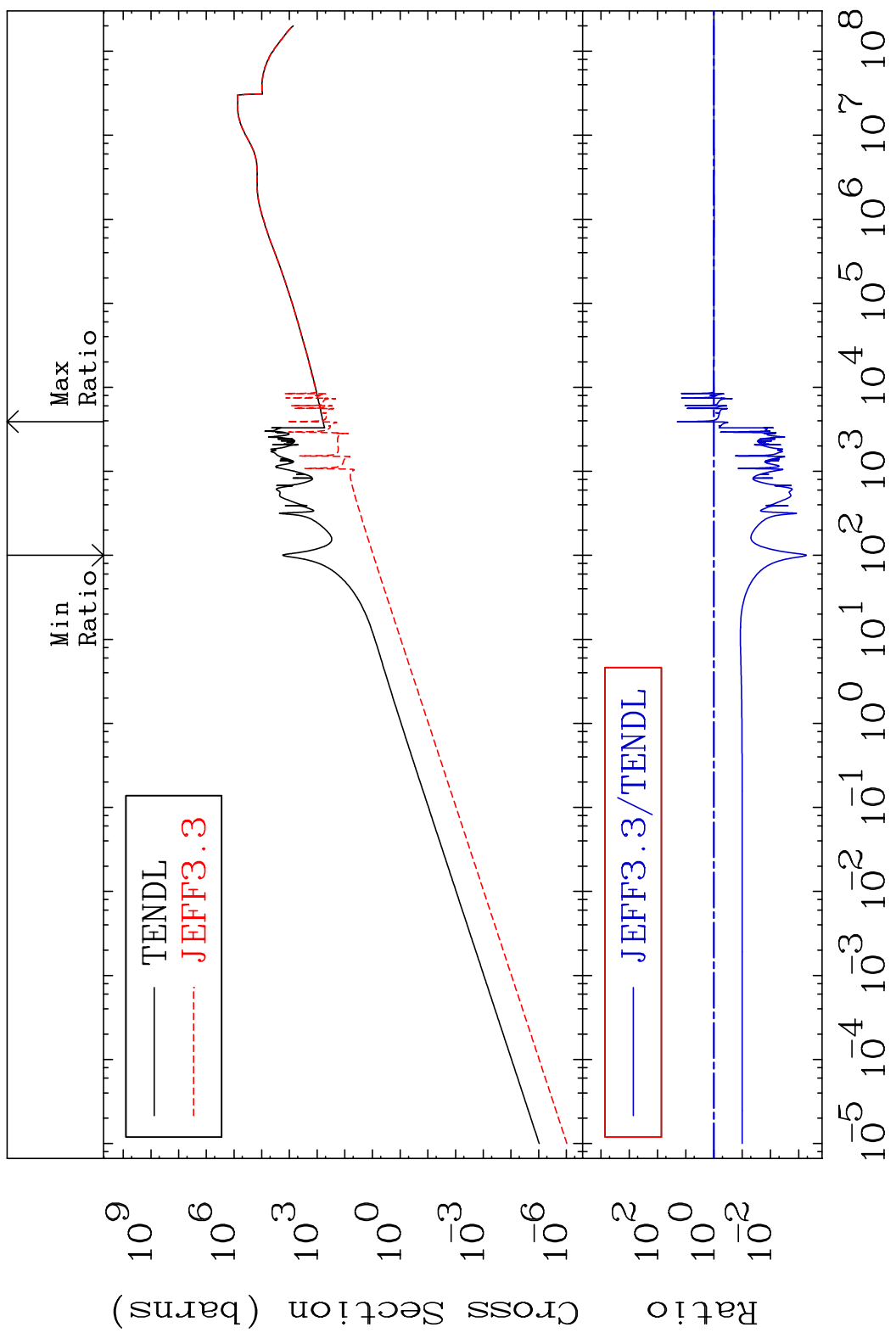
MAT 5259 Kerma total (eV-barns) 52-Te-131m
 Cross Section -99.96 To 2059. %



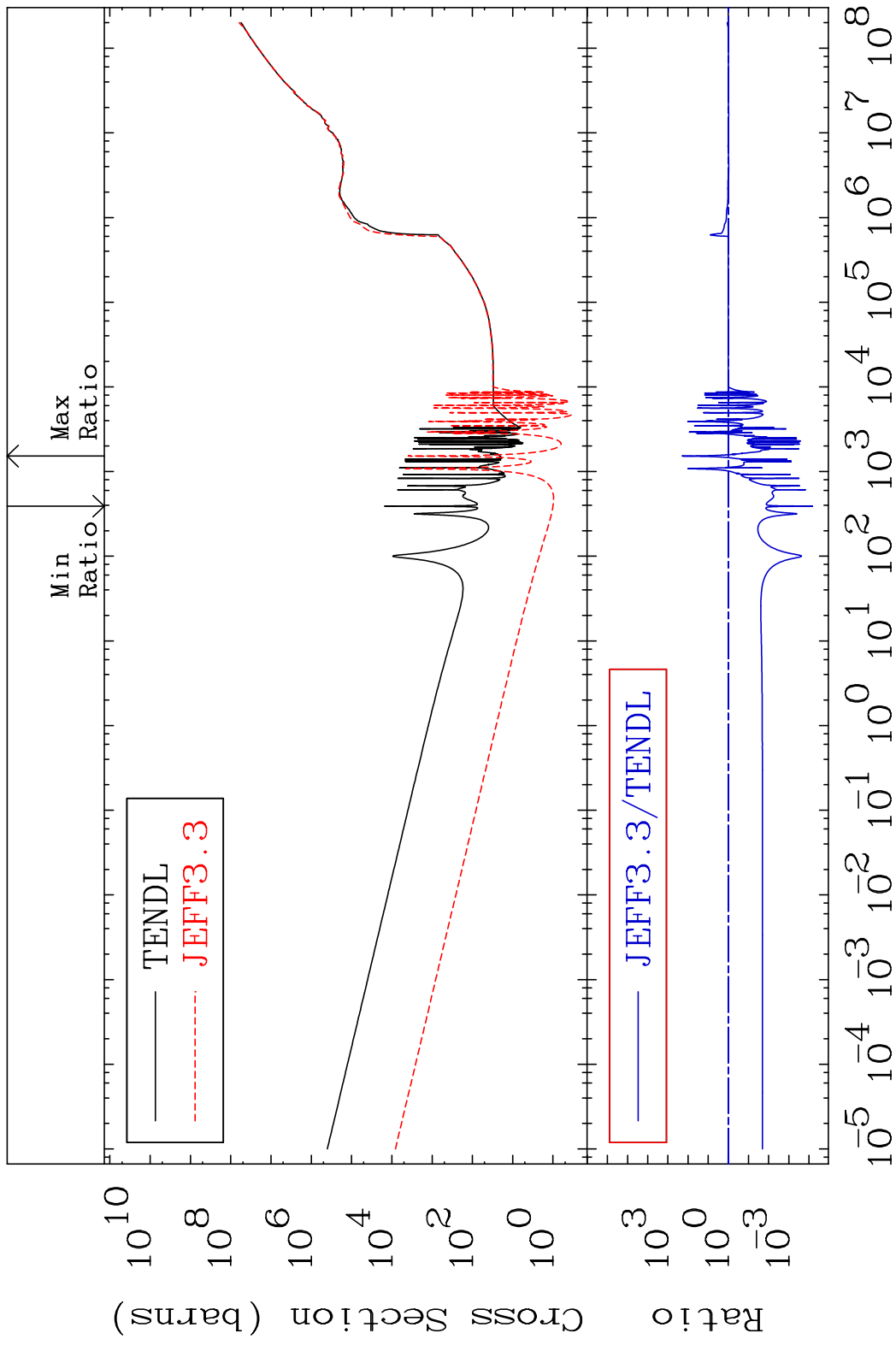
63 Incident Energy (eV) 52-Te-131m

MAT 5259

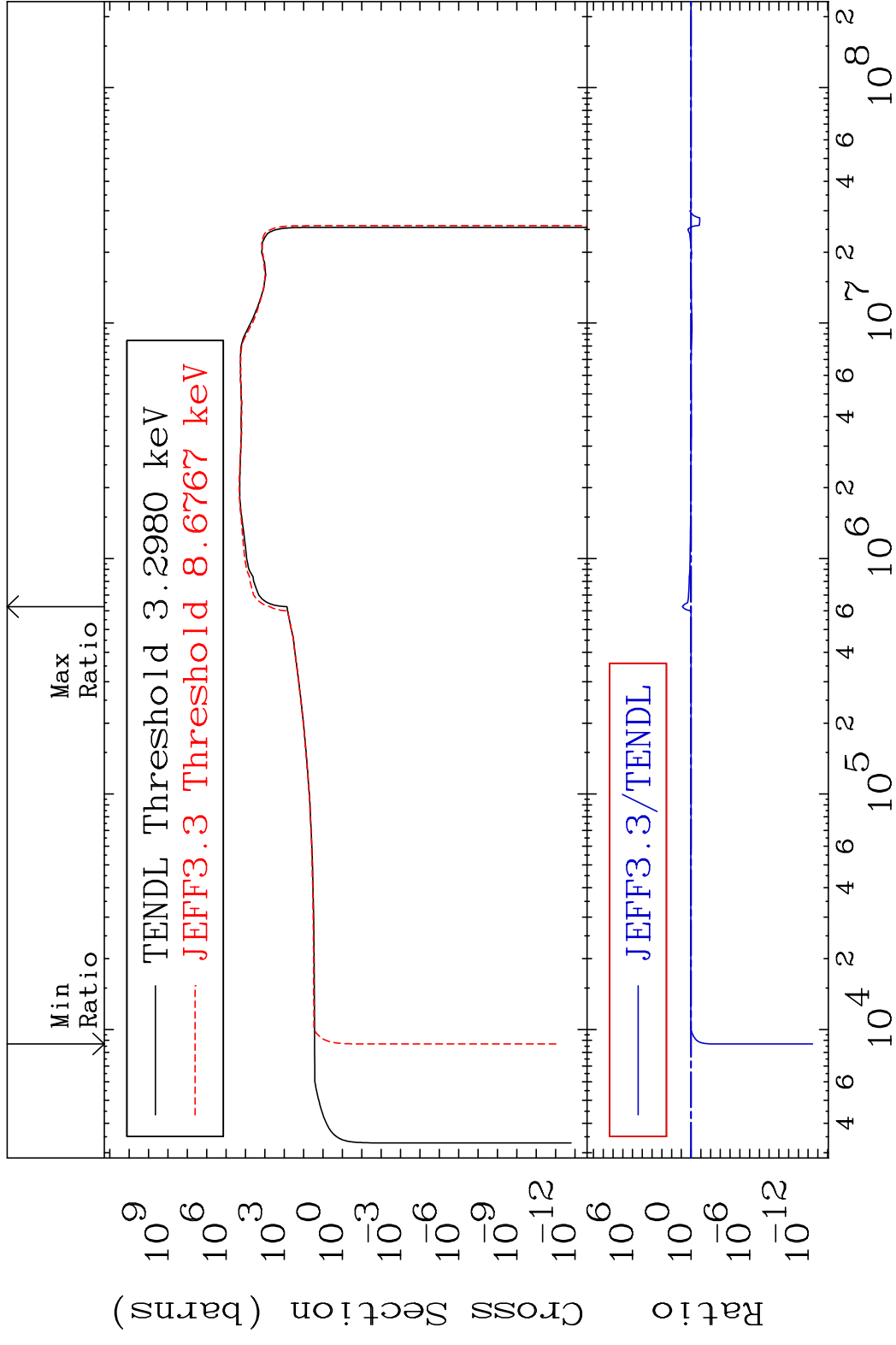
Kerma elastic Cross Section -99.95 %
52-Te-131m To 1906. %



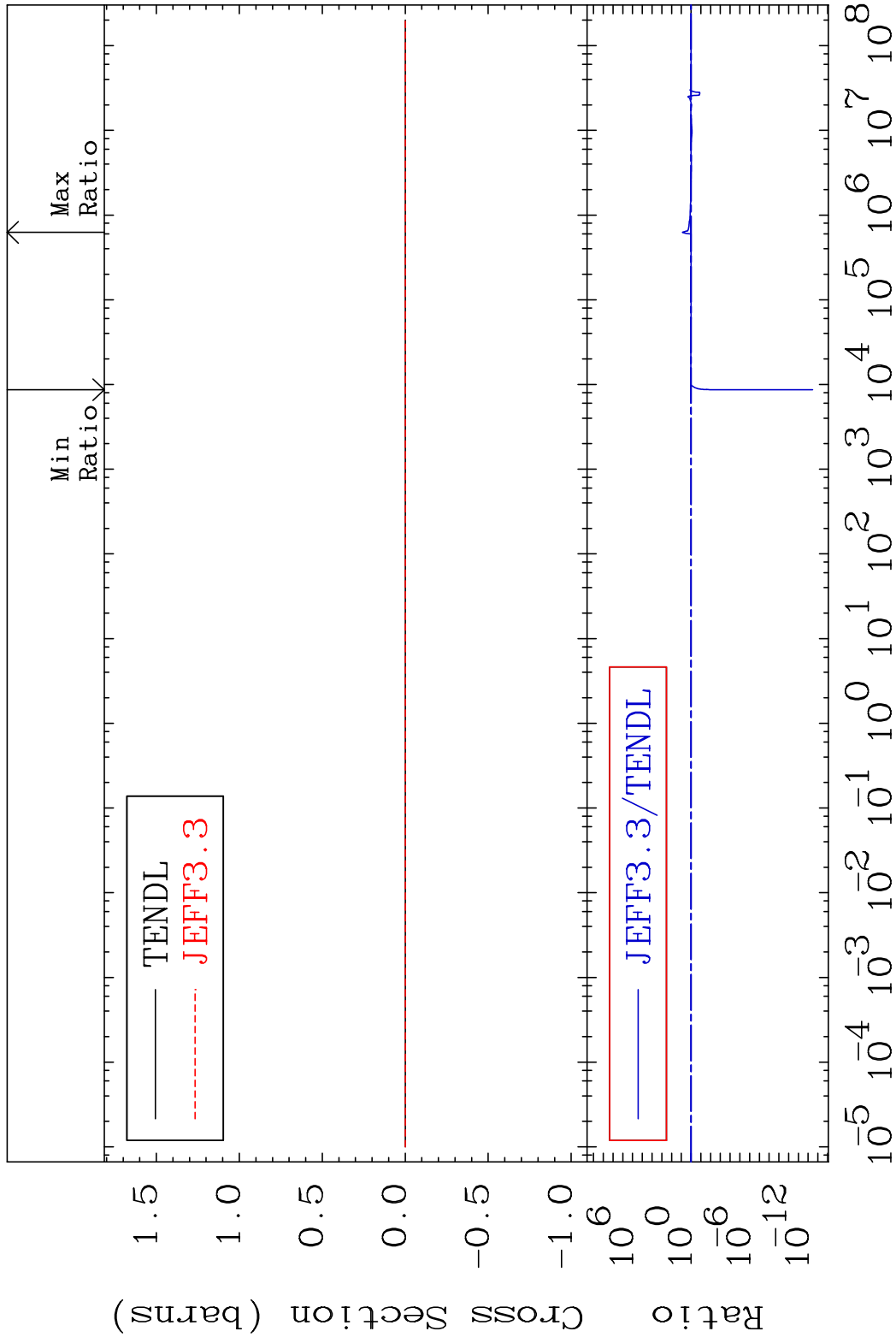
MAT 5259 Kerma non-elastic (all but mt2) 52-Te-131m
 Cross Section -99.99 To 9999. %



MAT 5259 Kerma inelastic (mt51-91) 52-Te-131m
 Cross Section -100.0 To 683.6 %

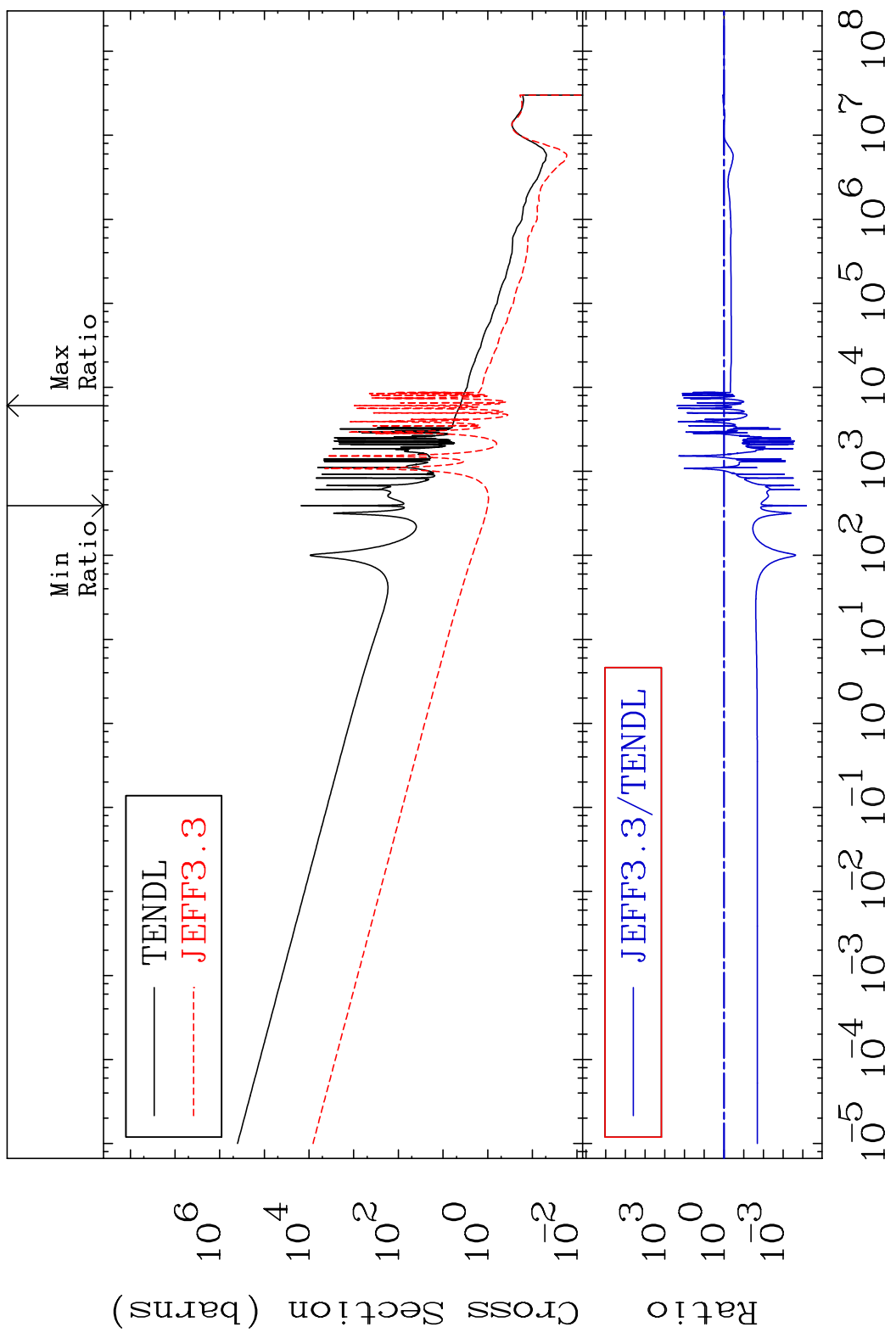


MAT 5259 Kerma fission (mt18 or mt19-20-21-35) ¹³⁵Te-131m
 Cross Section -100.0 To 683.6 %



MAT 5259

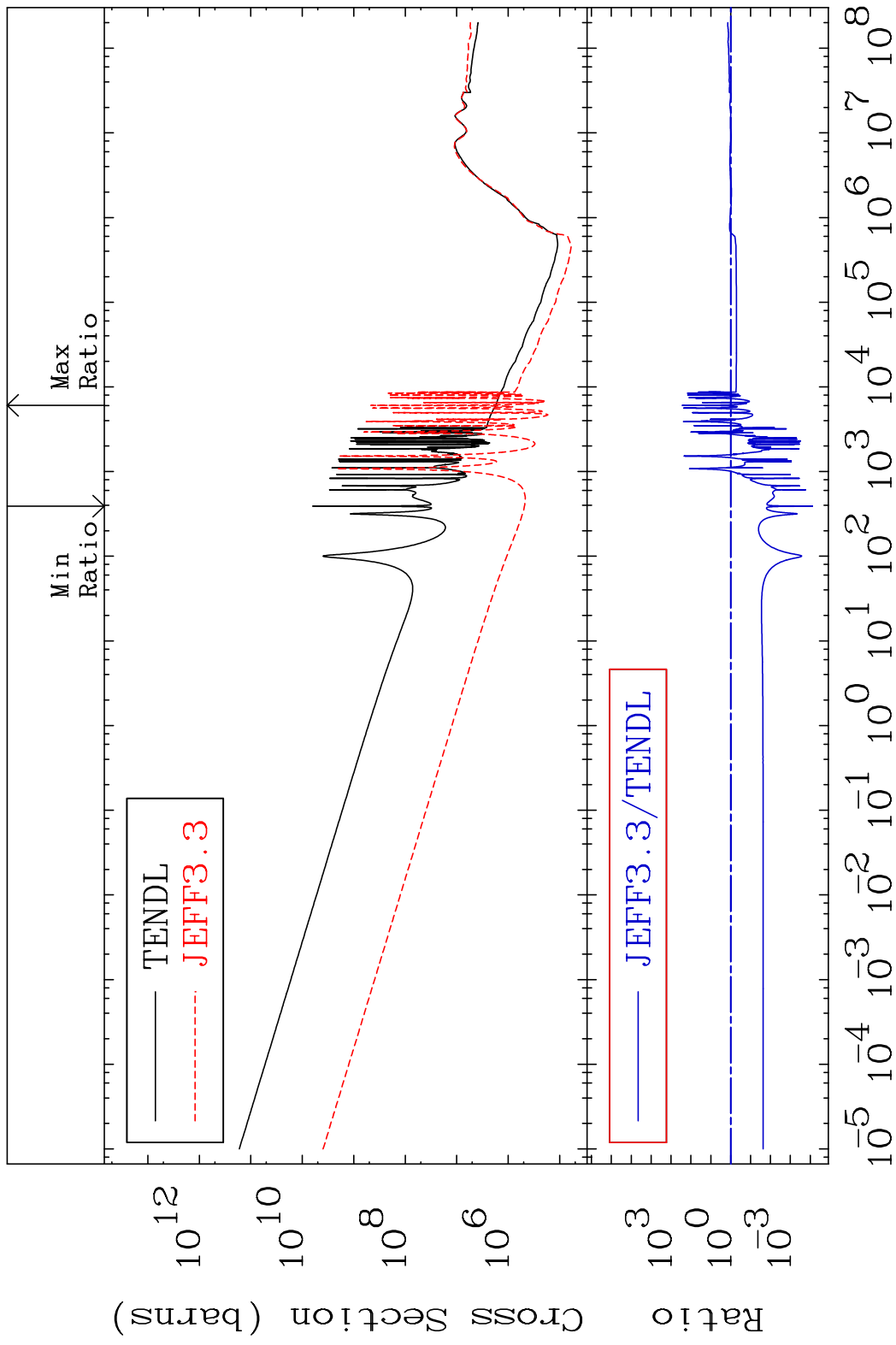
Kerma capture (mt102) 52-Te-131m
Cross Section -99.99 To 9999. %



68

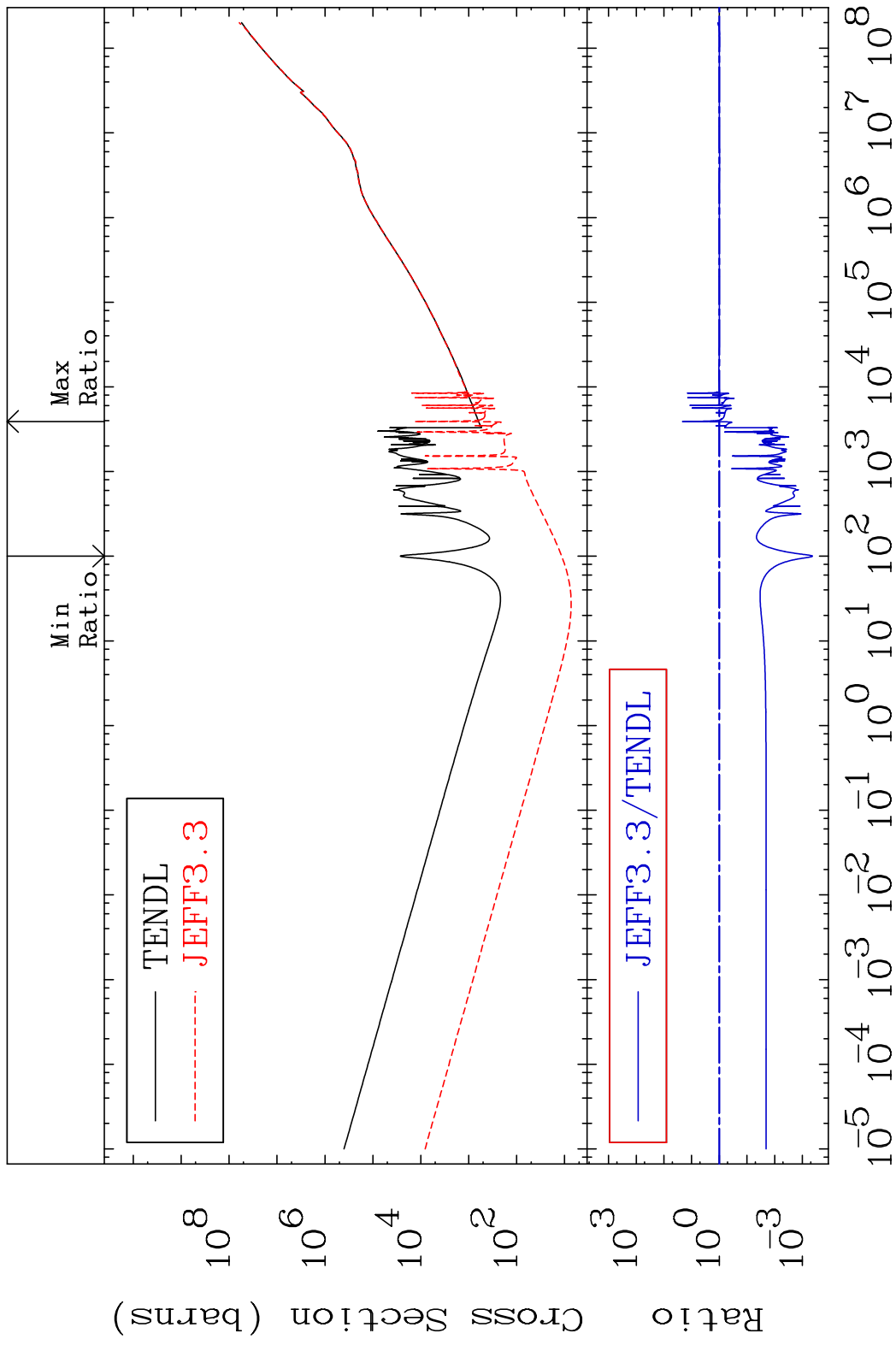
Incident Energy (eV) 52-Te-131m

MAT 5259 Total photon (eV-barns) 52-Te-131m
 Cross Section -99.99 To 9999. %



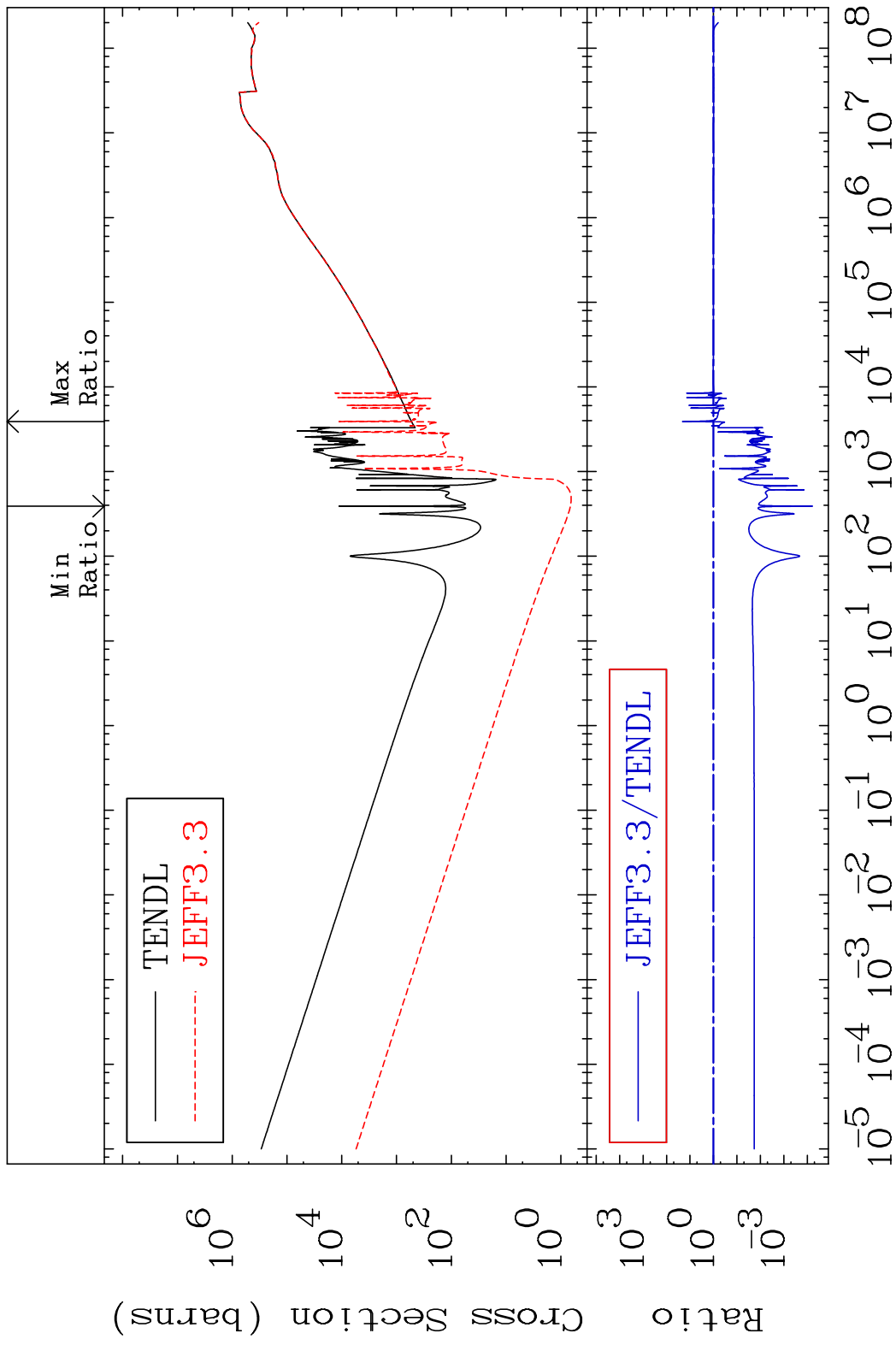
69 Incident Energy (eV) 52-Te-131m

MAT 5259 Total kinematic kerma (high limit)52-Te-131m
 Cross Section -99.96 To 2059. %



70 Incident Energy (eV) 52-Te-131m

MAT 5259 Dpa total (eV-barns) 52-Te-131m
 Cross Section -99.99 To 2021. %



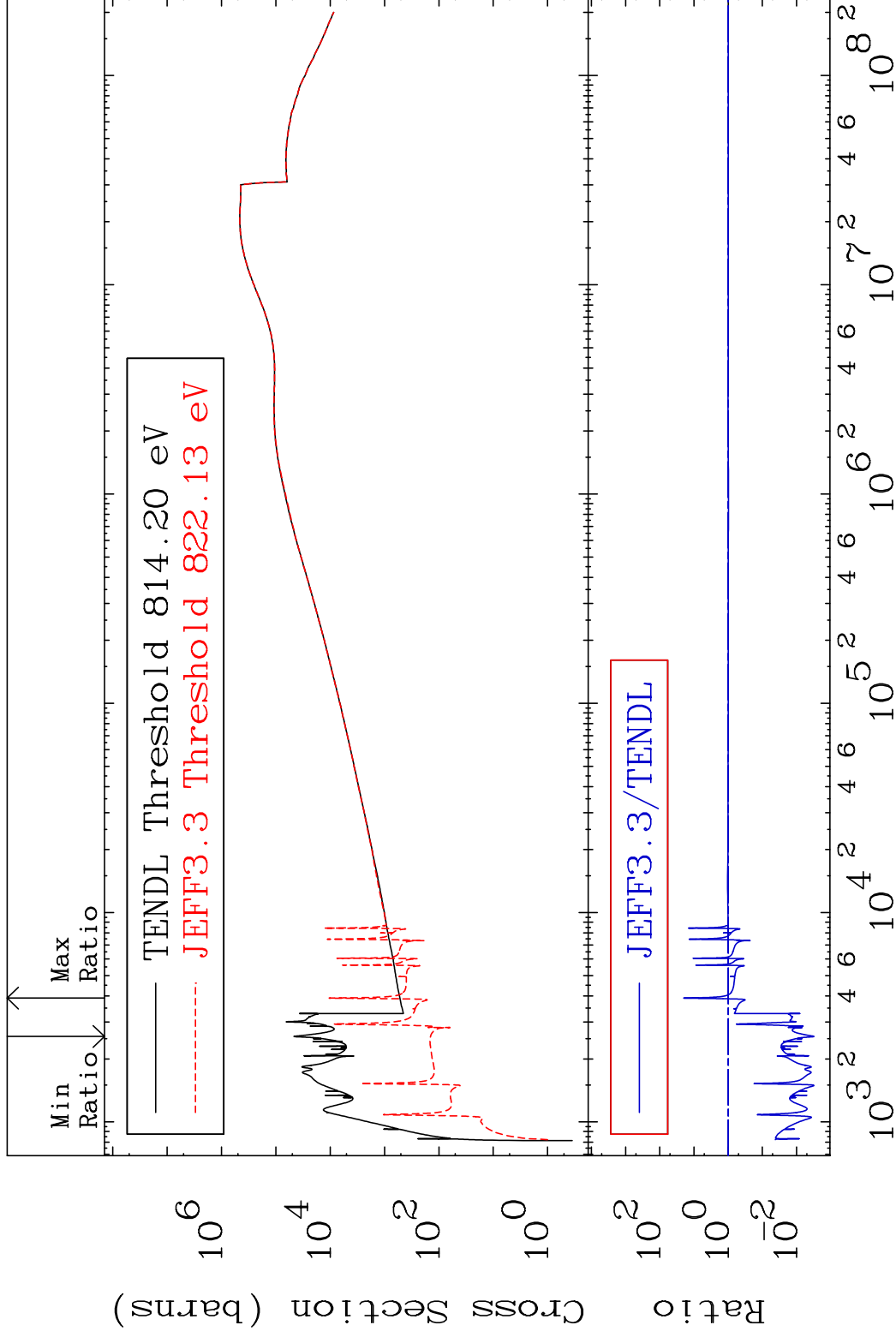
71 Incident Energy (eV) 52-Te-131m

MAT 5259

Dpa elastic (mt2)

52-Te-131m

Cross Section -99.69 To 1906. %

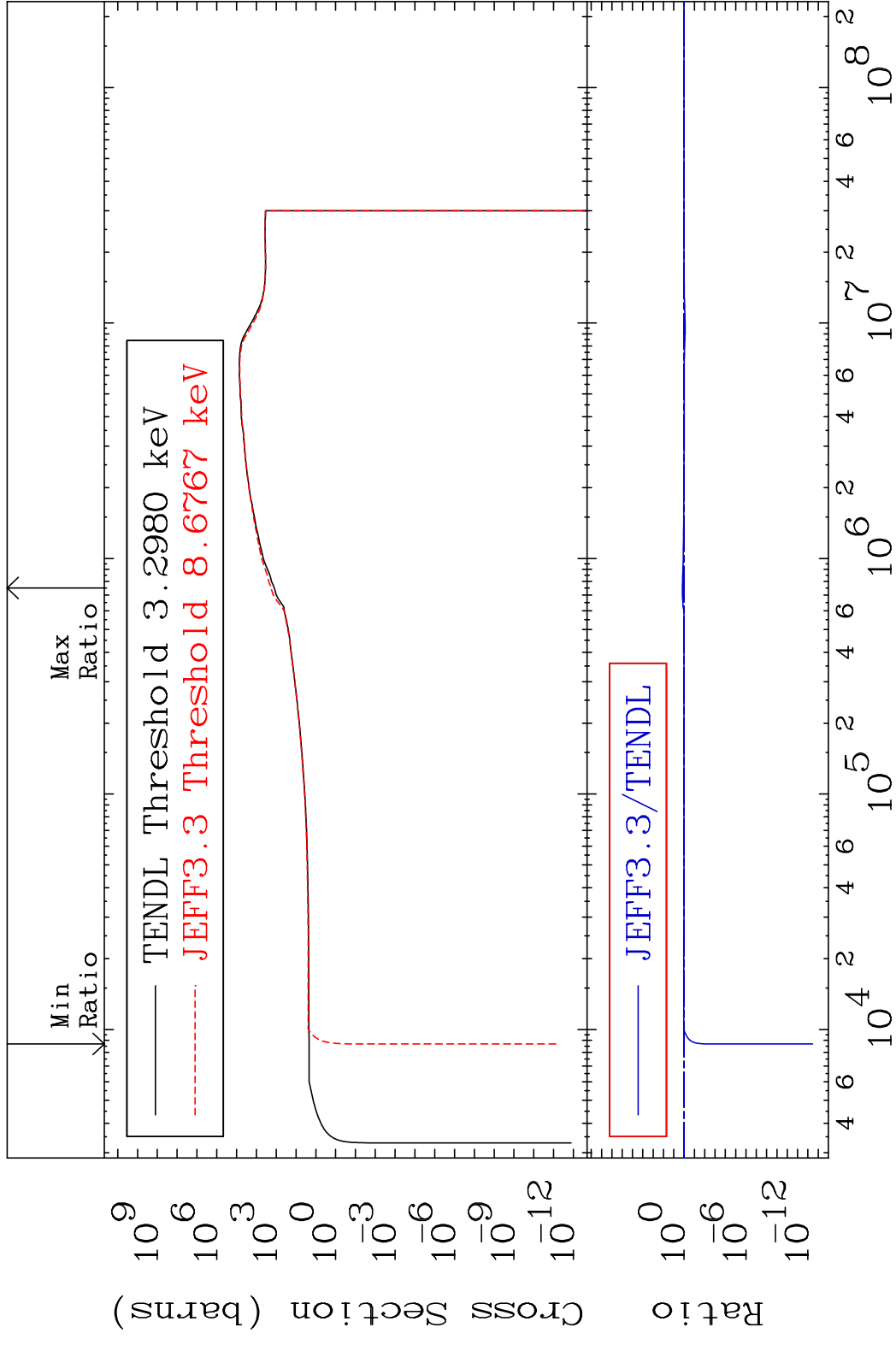


72

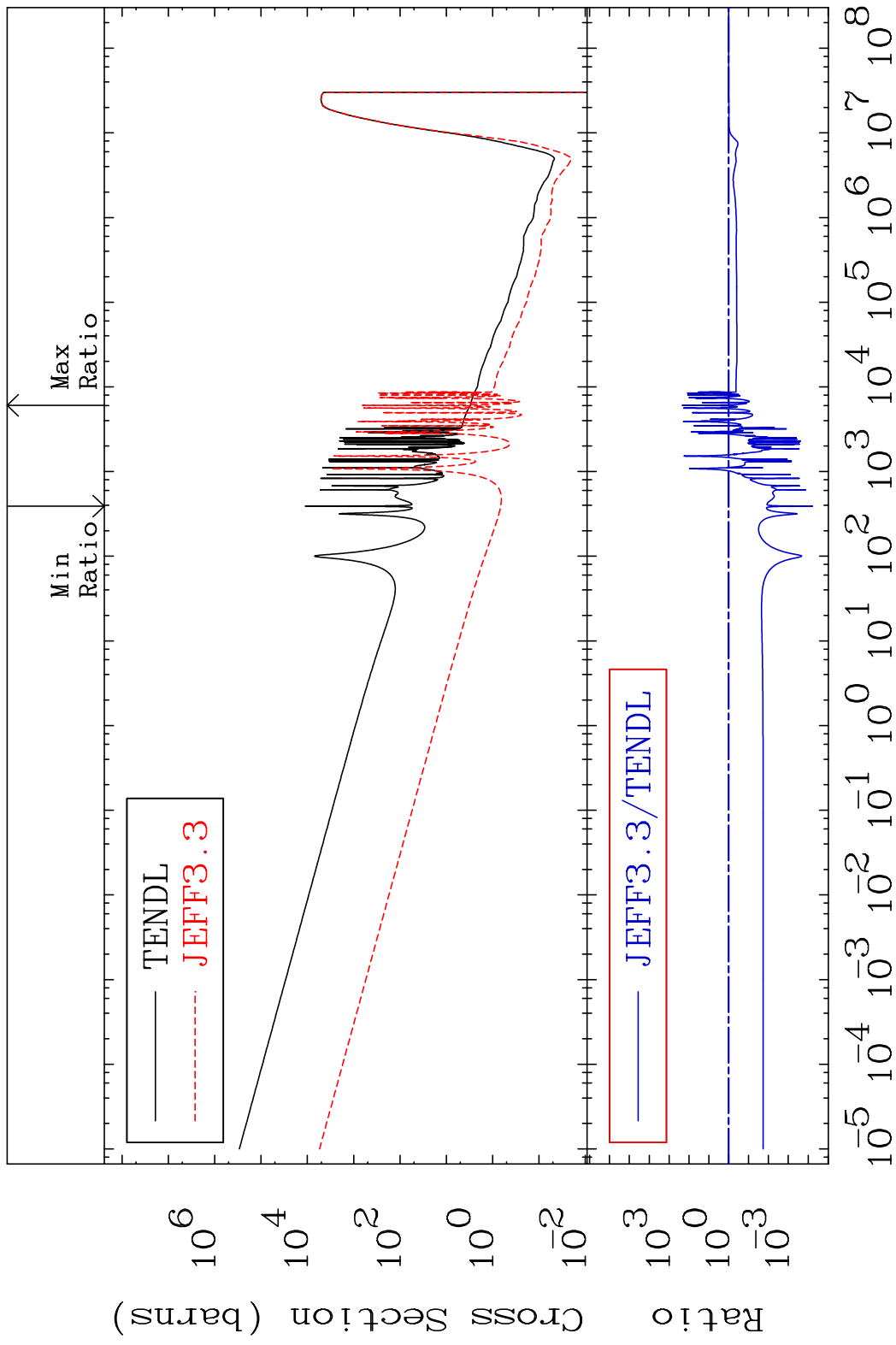
Incident Energy (eV)

52-Te-131m

MAT 5259 Dpa inelastic (mt51-91) 52-Te-131m
 Cross Section -100.0 To 47.25 %

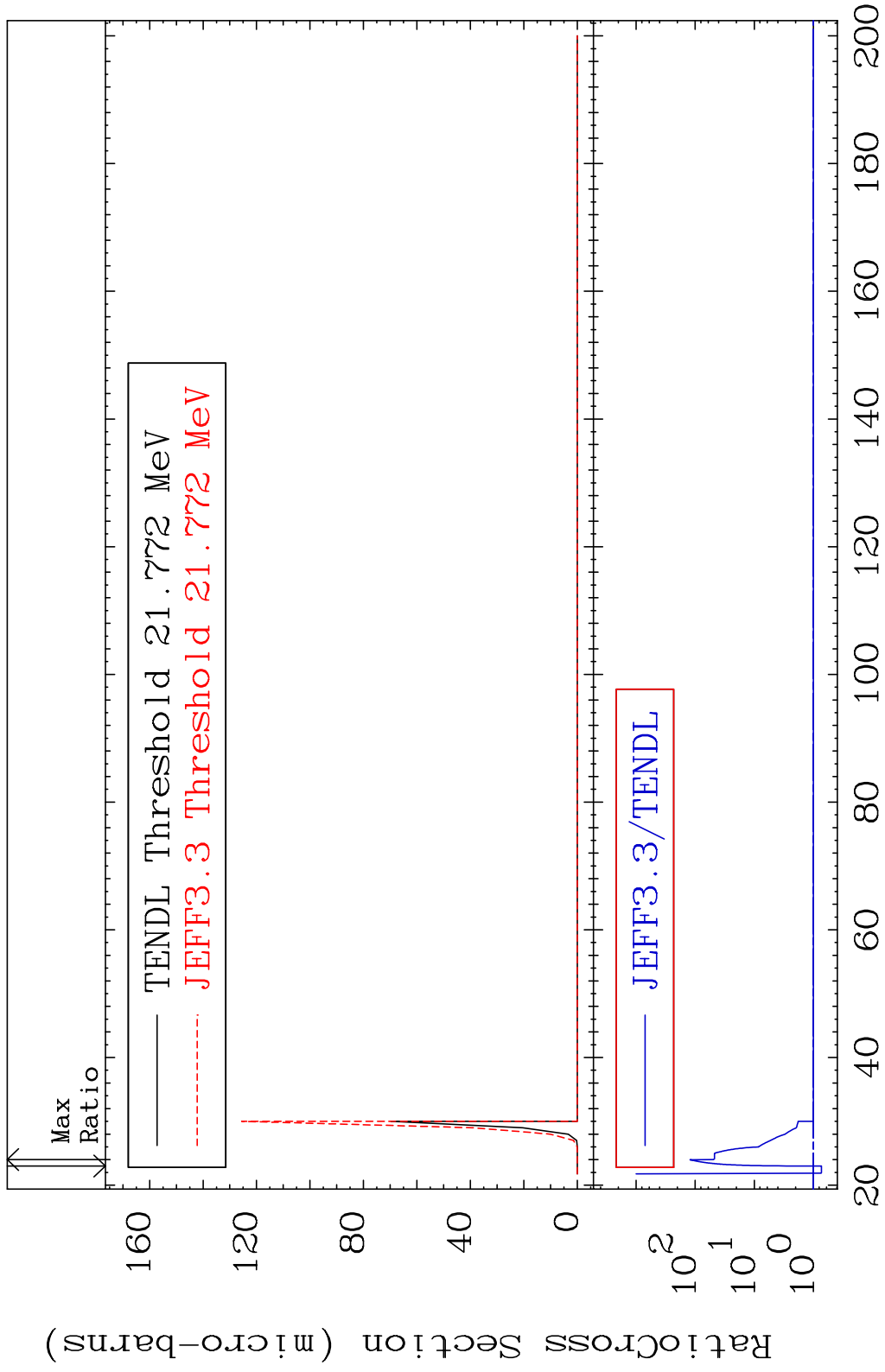


MAT 5259 Dpa disappearance (mt102 -120) 52-Te-131m
 Cross Section -99.99 To 9999. %



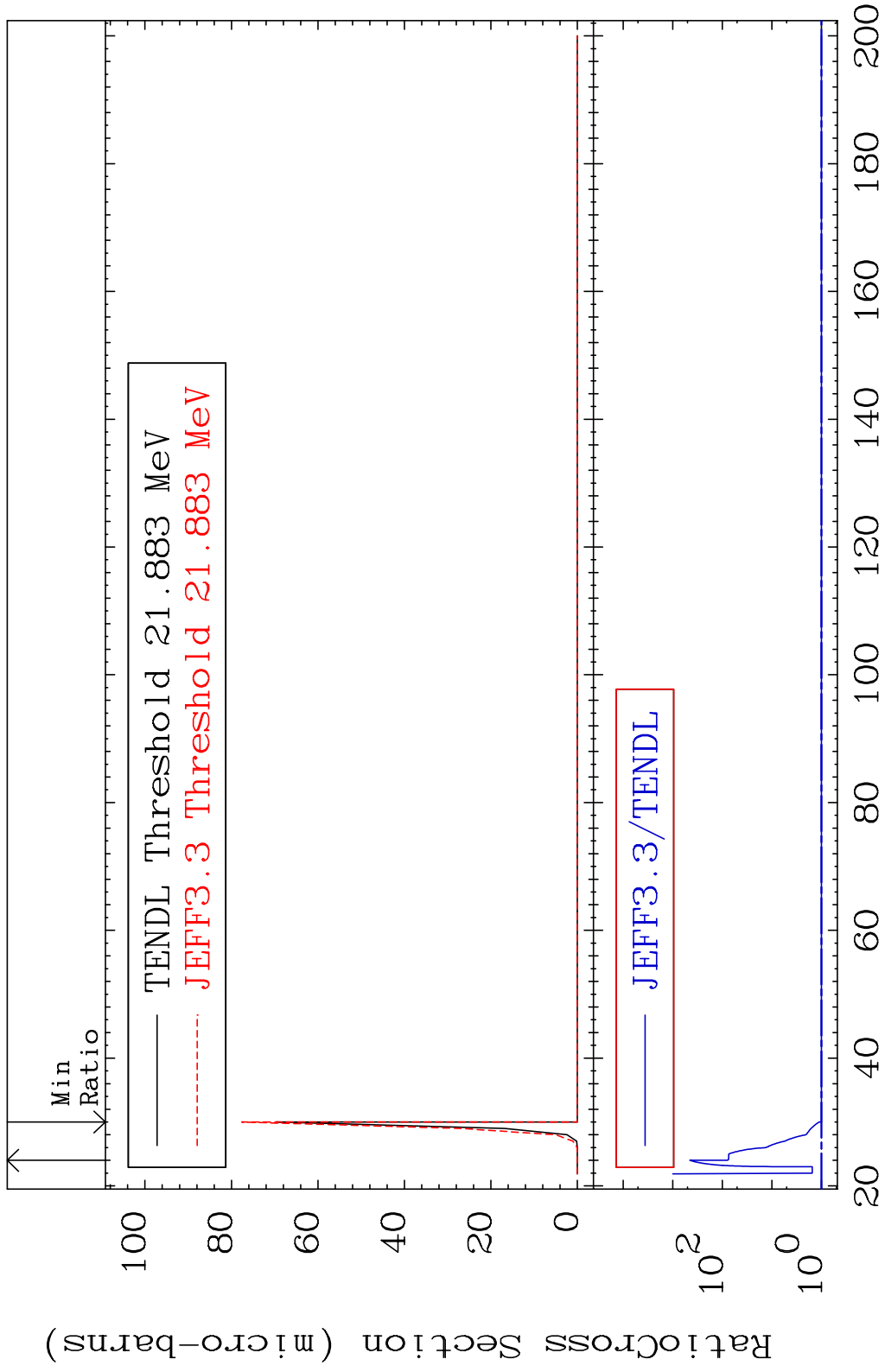
74 Incident Energy (eV) 52-Te-131m

MAT 5259 (n,2n) d:51-Sb-128g 52-Te-131m
 Radionuclide Production Cross Section to 9999. %



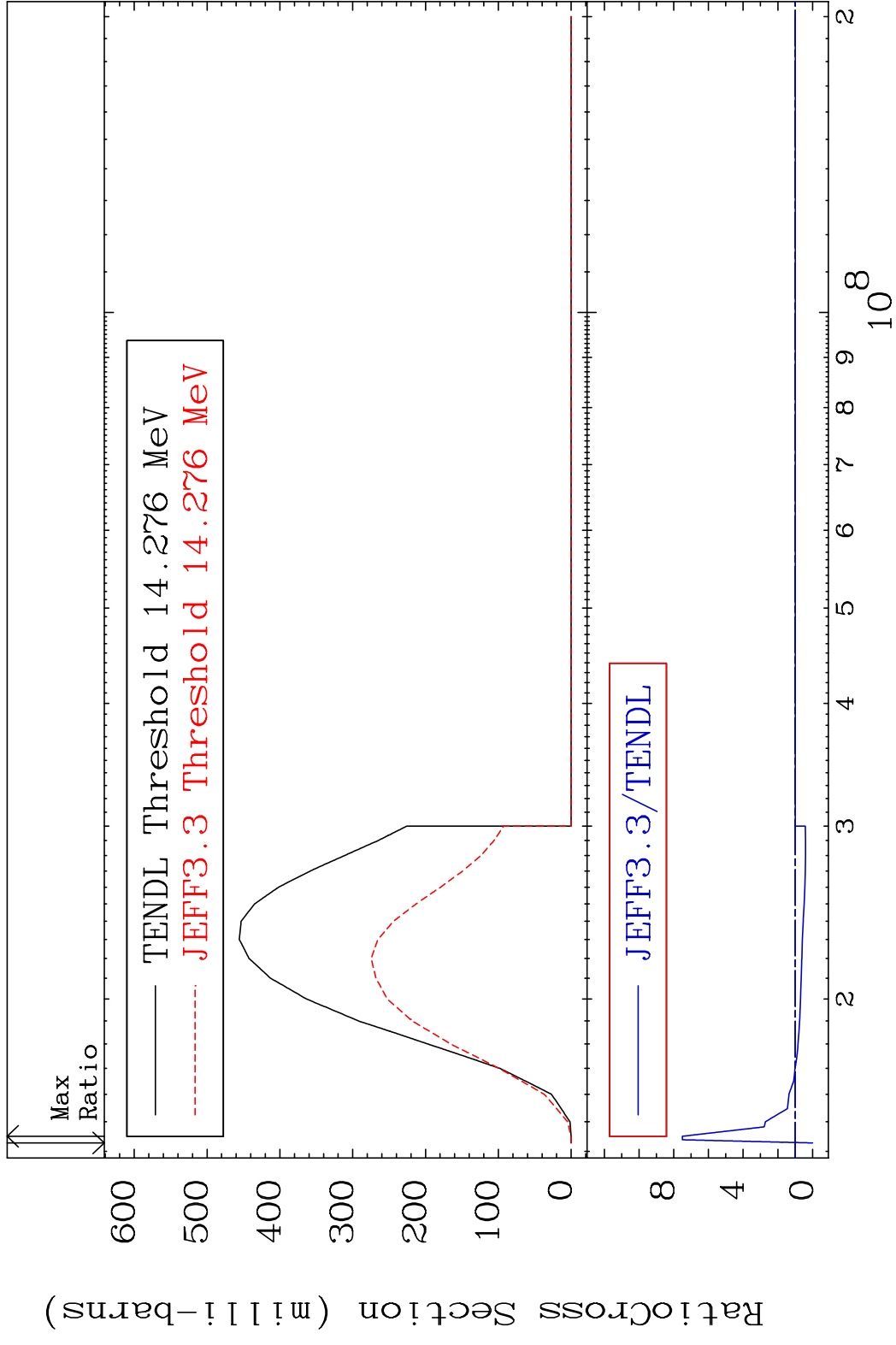
75 Incident Energy (MeV) 52-Te-131m

MAT 5259 (n,2n) d:51-Sb-128m1 52-Te-131m
 Radionuclide Production Cross Section, %

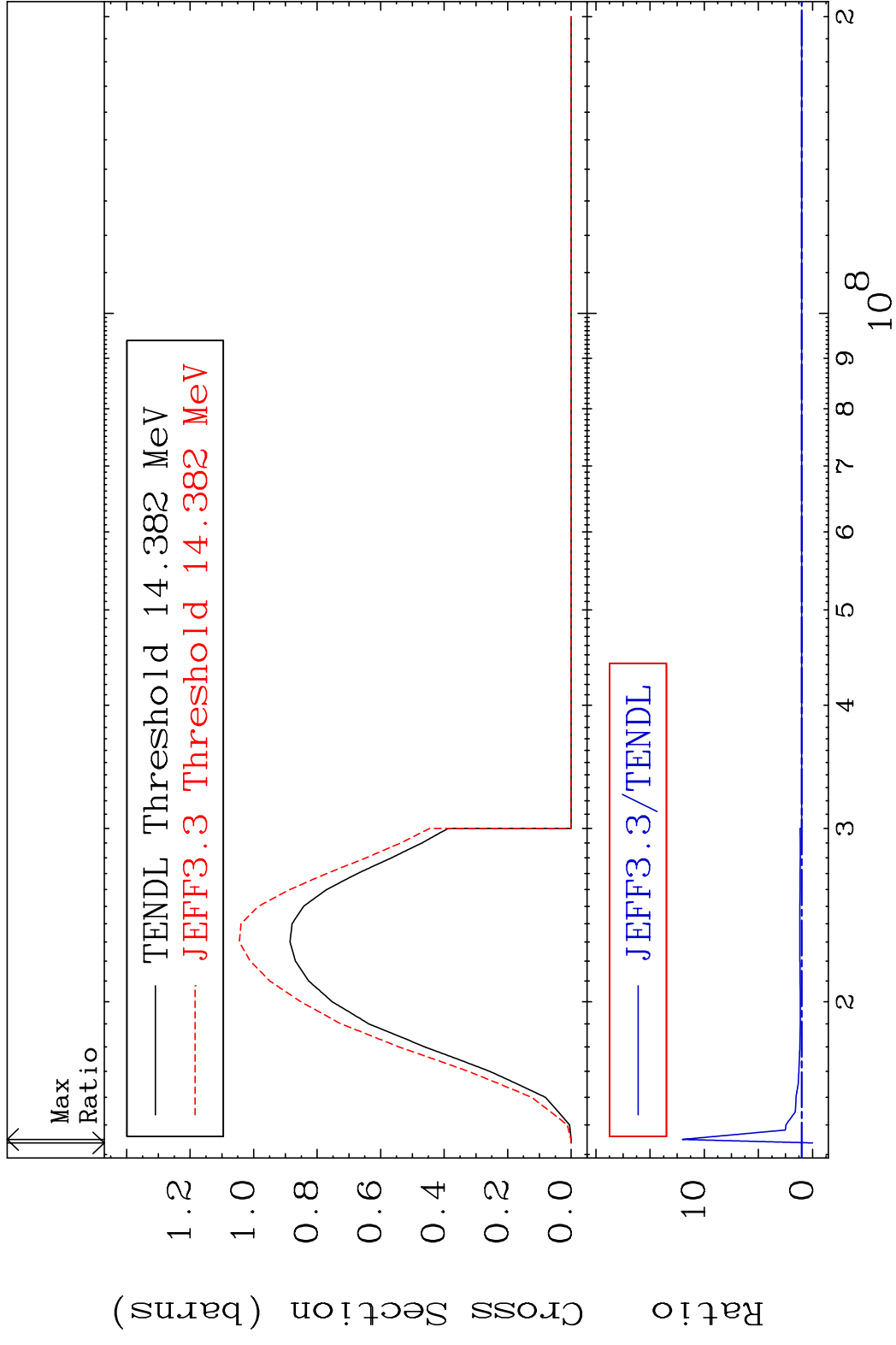


76 Incident Energy (MeV) 52-Te-131m

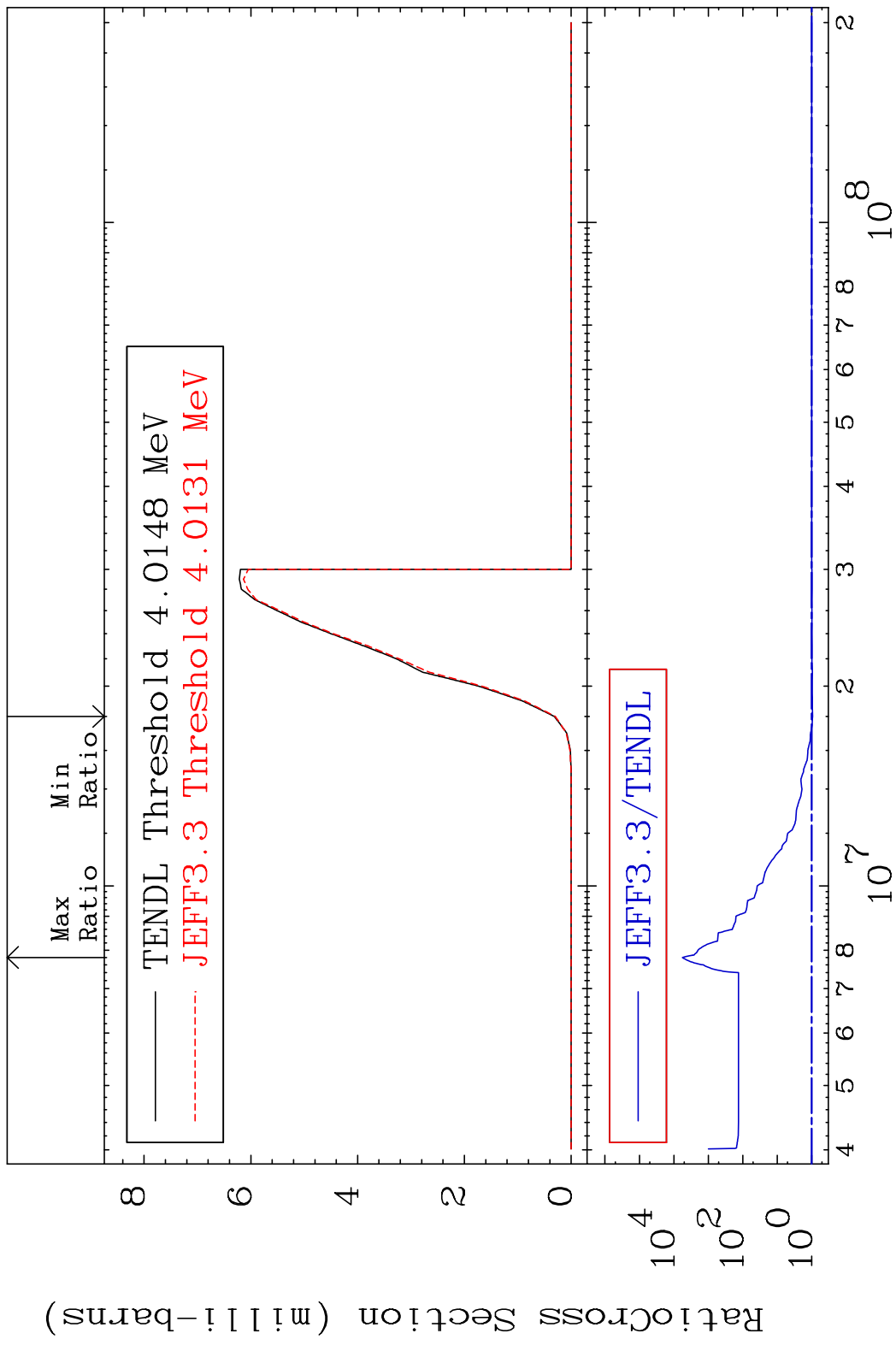
MAT 5259 (n,3n):52-Te-129g 52-Te-131m
 Radionuclide Production Cross Section 180.01 dth 650.2 %



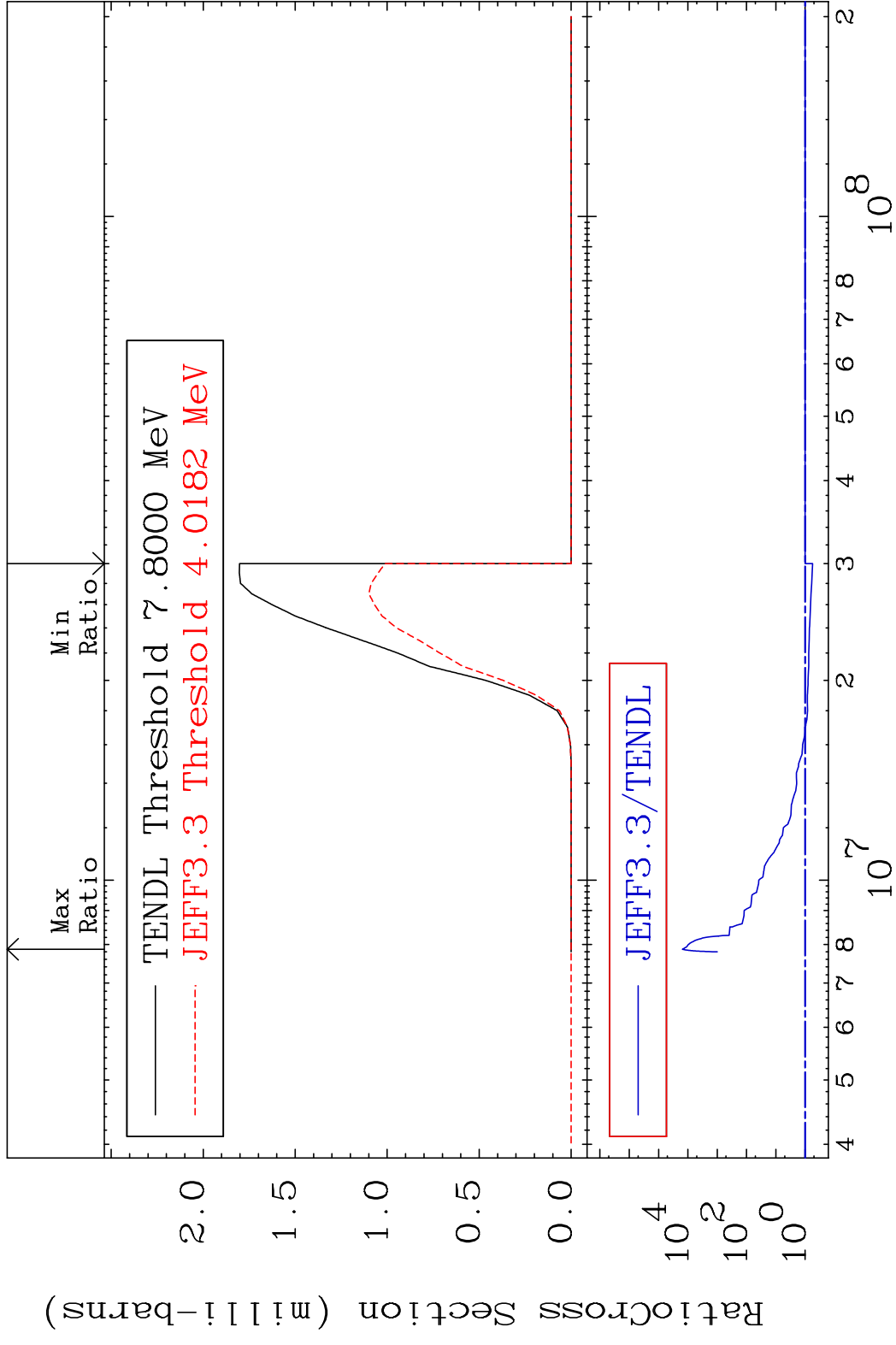
MAT 5259 (n, 3n):52-Te-129m1 52-Te-131m
 Radionuclide Production Cross Section to 1102. %



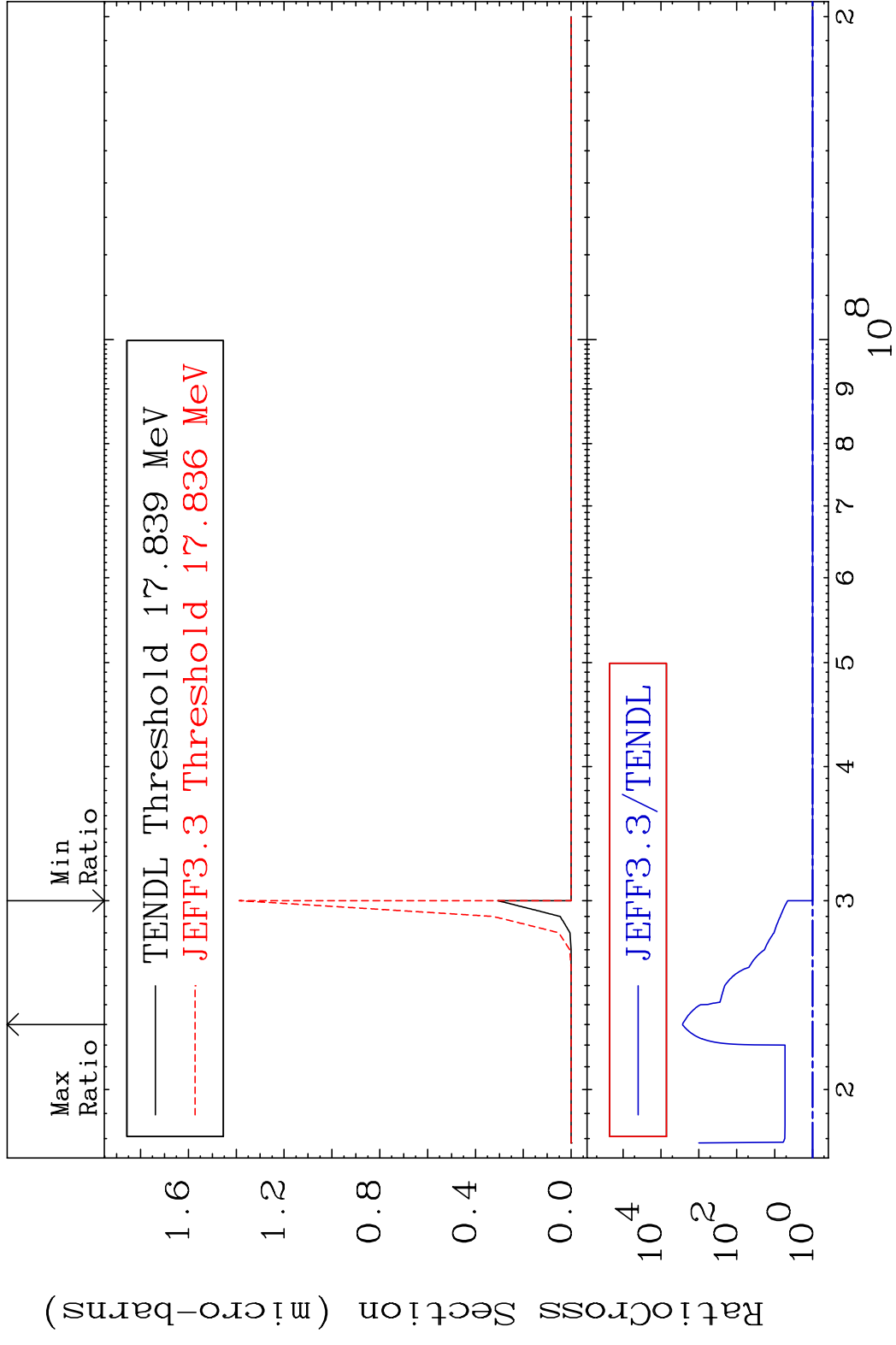
MAT 5259 (n, n') α :50-Sn-127g 52-Te-131m
 Radionuclide Production Cross Section 5.8251e-05 to 9999. %



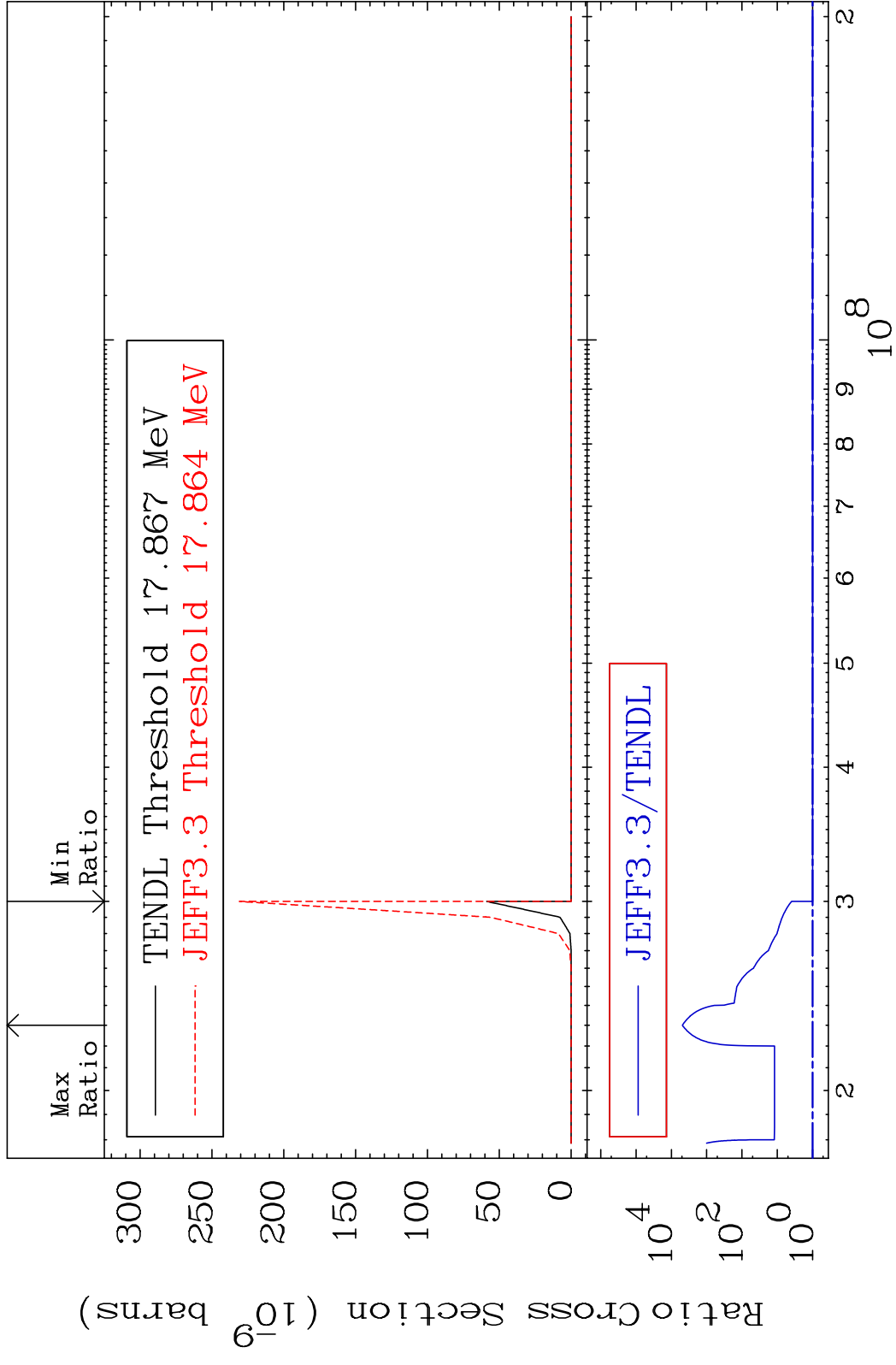
MAT 5259 (n, n') α :50-Sn-127m1 52-Te-131m
 Radionuclide Production Cross Section to 9999. %



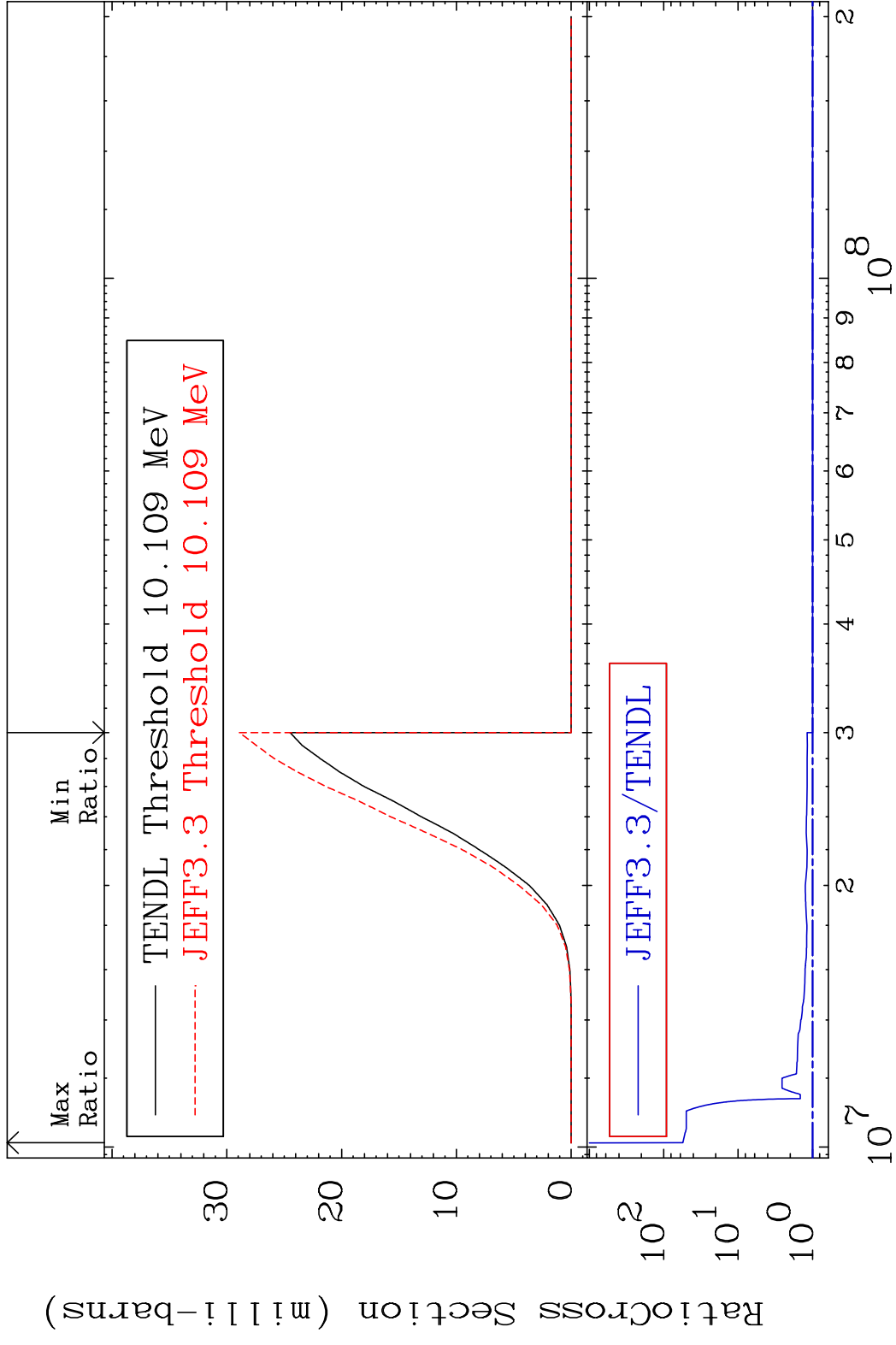
MAT 5259 (n,3n) α :50-Sn-125g 52-Te-131m
 Radionuclide Production Cross Section, %



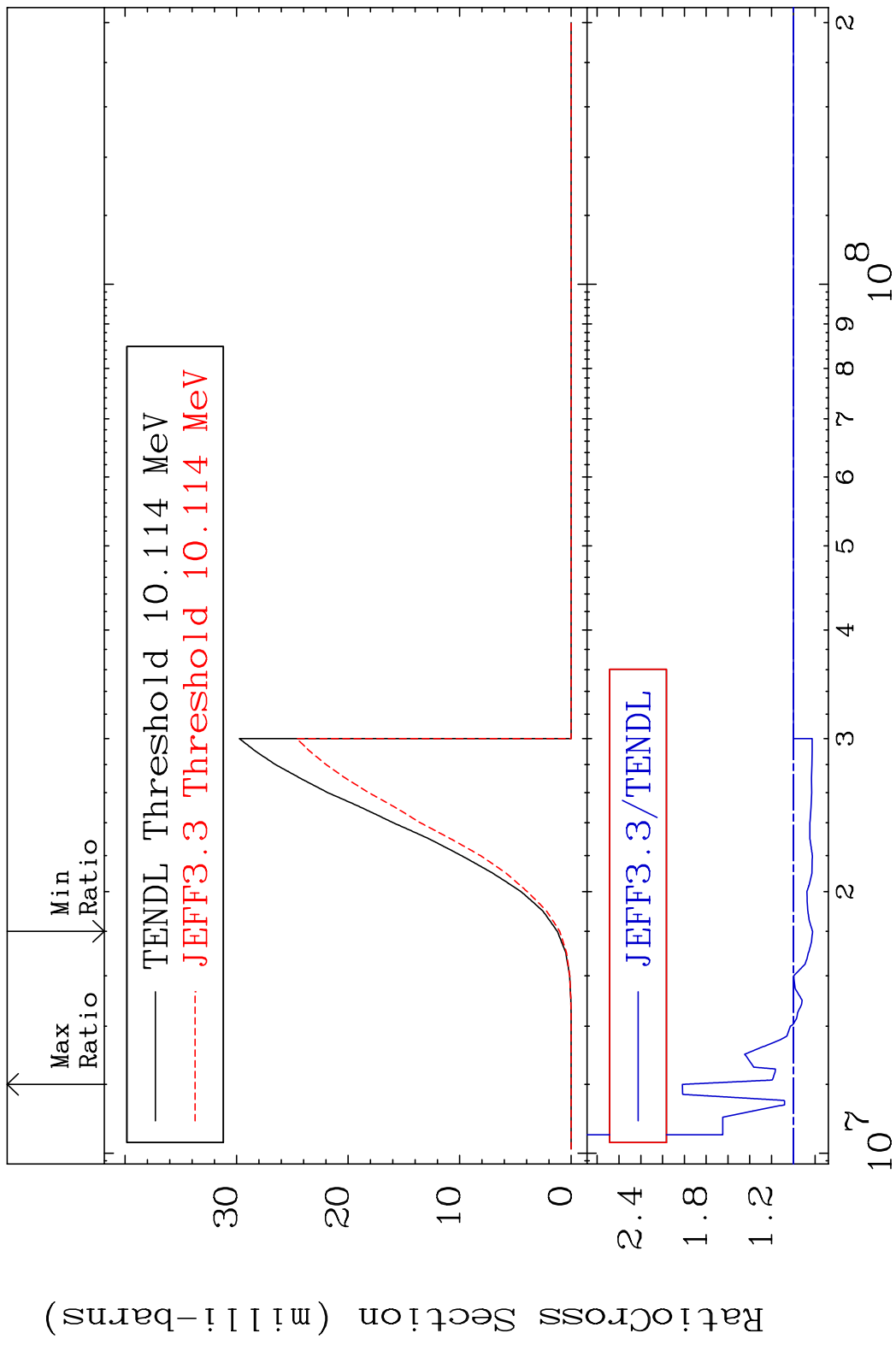
MAT 5259 (n,3n) α :50-Sn-125m1 52-Te-131m
 Radionuclide Production Cross Section, %



MAT 5259 (n, n') p:51-Sb-130g 52-Te-131m
 Radionuclide Production Cross Section 5518. %

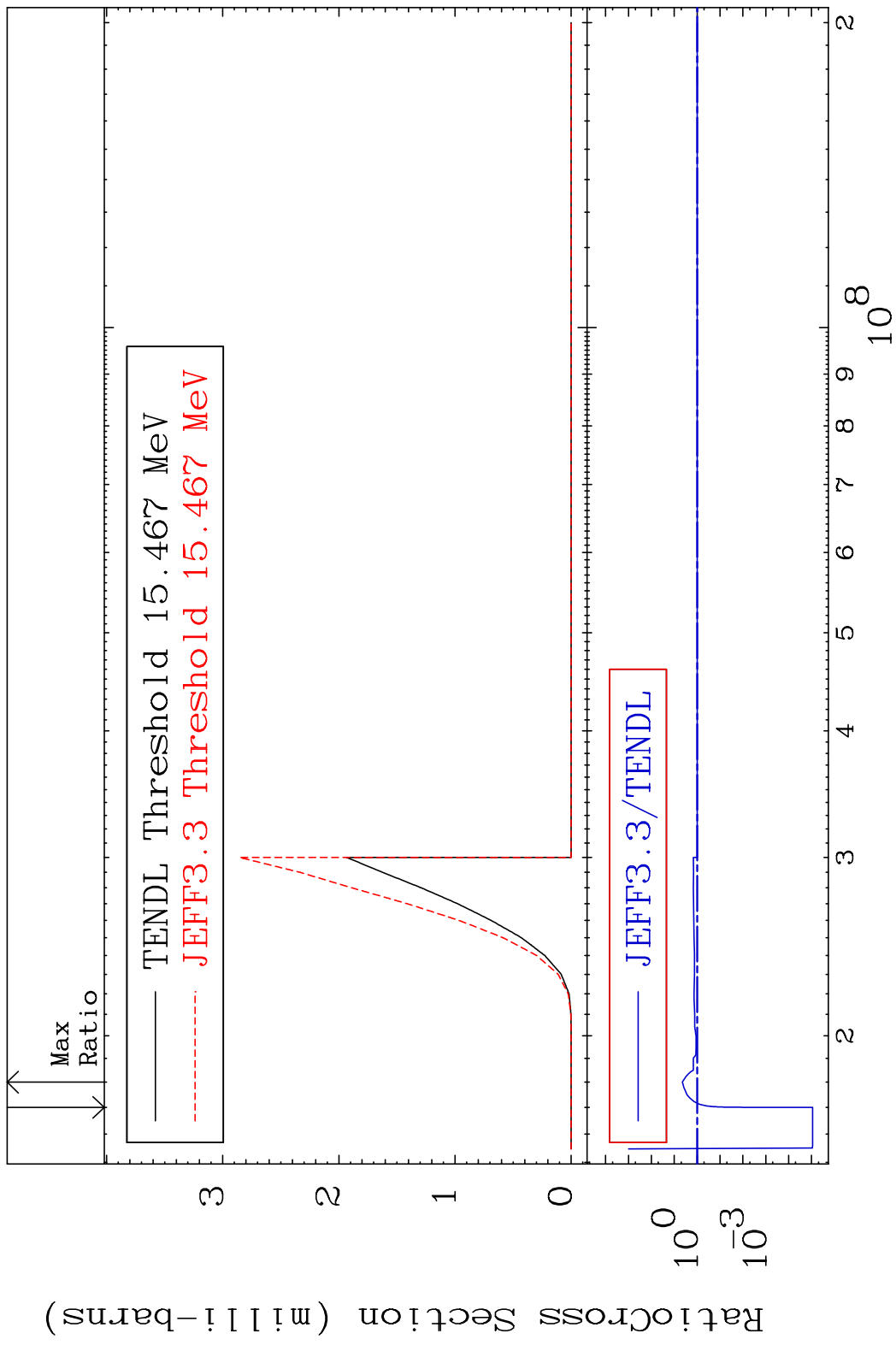


MAT 5259 (n, n') p:51-Sb-130m1 52-Te-131m
 Radionuclide Production Cross Section 101.9 %

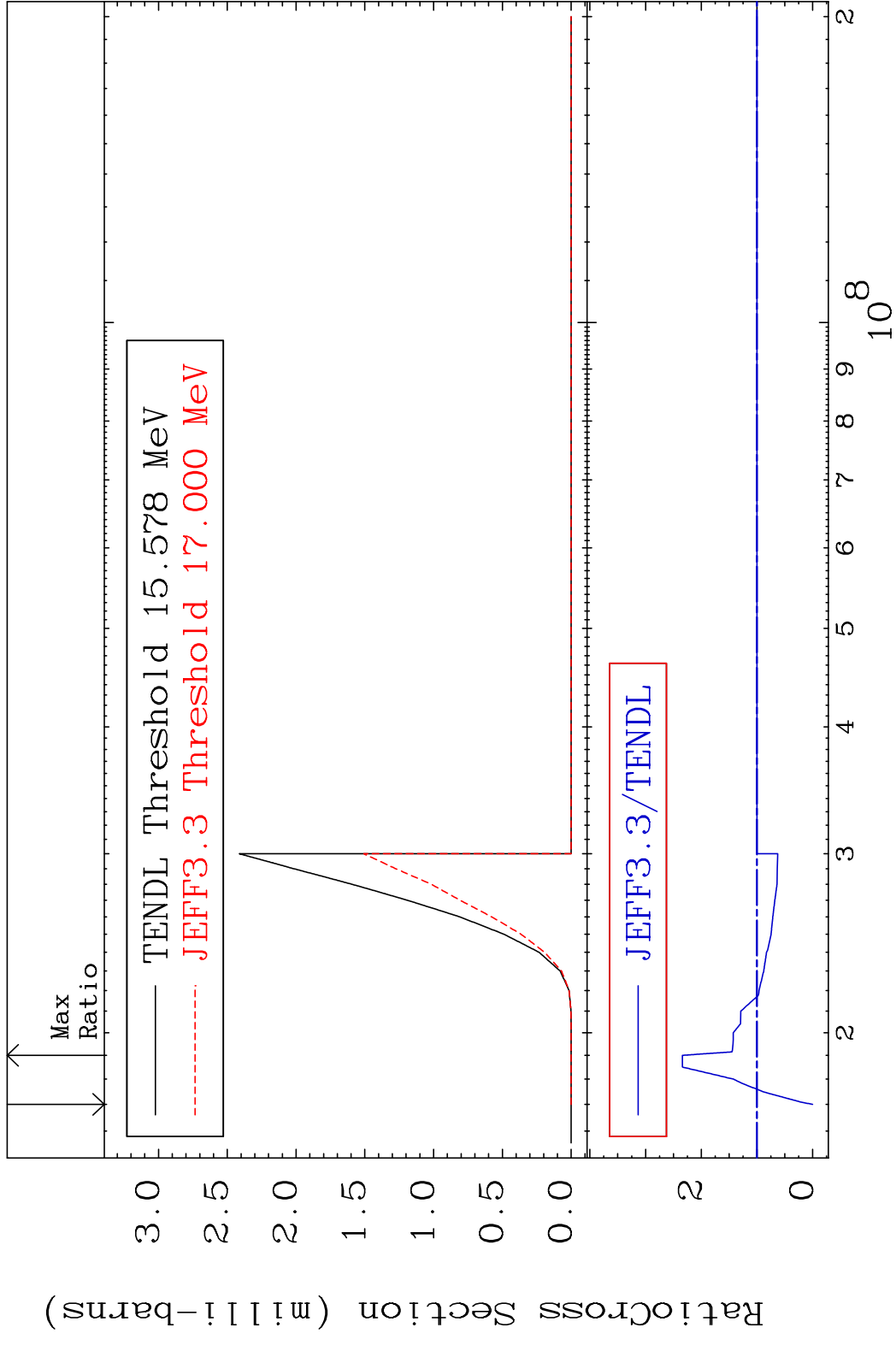


84 Incident Energy (eV) 52-Te-131m

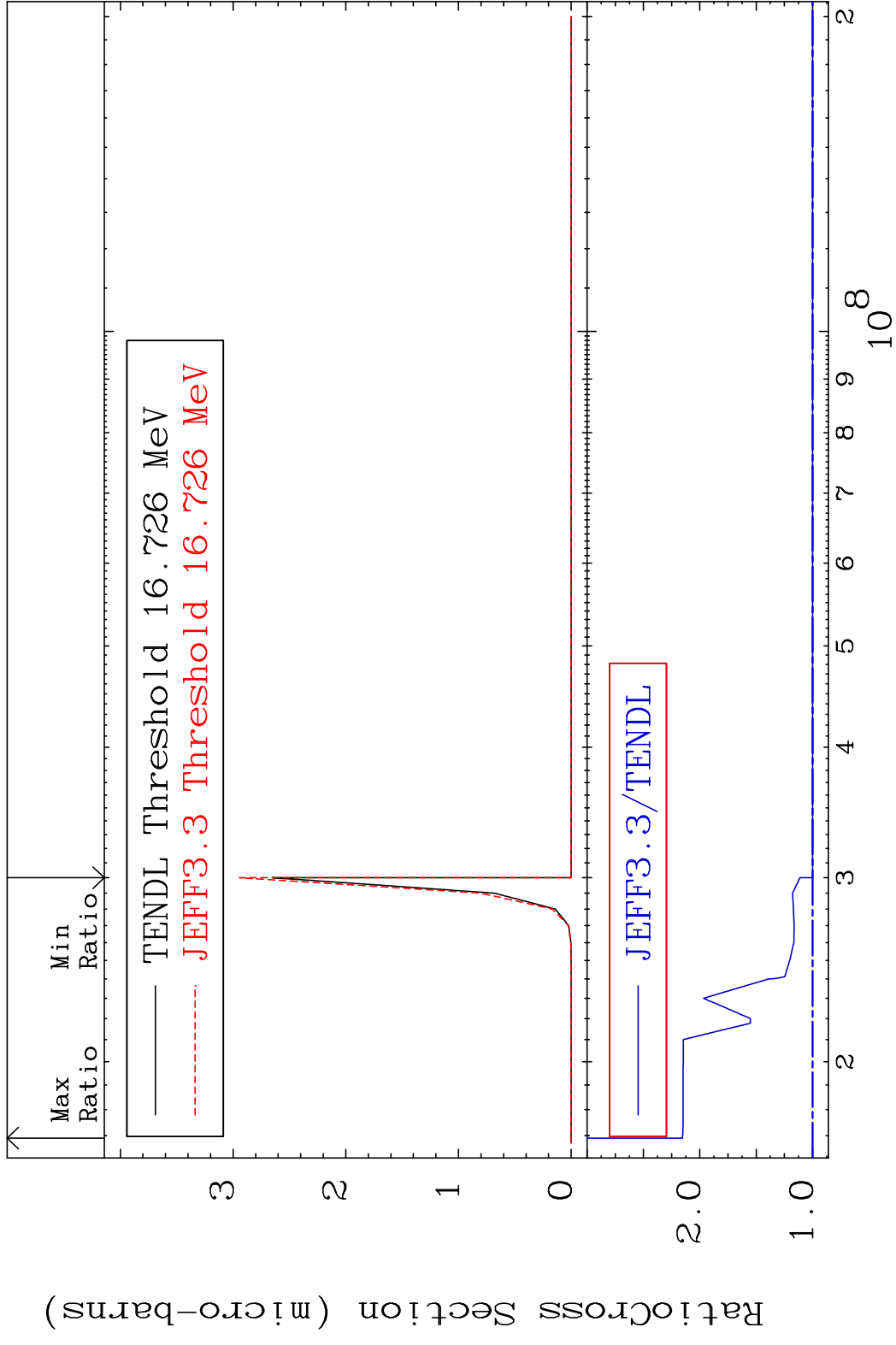
MAT 5259 (n, n') t:51-Sb-128g 52-Te-131m
 Radionuclide Production Cross Section Ratio 342.9 %



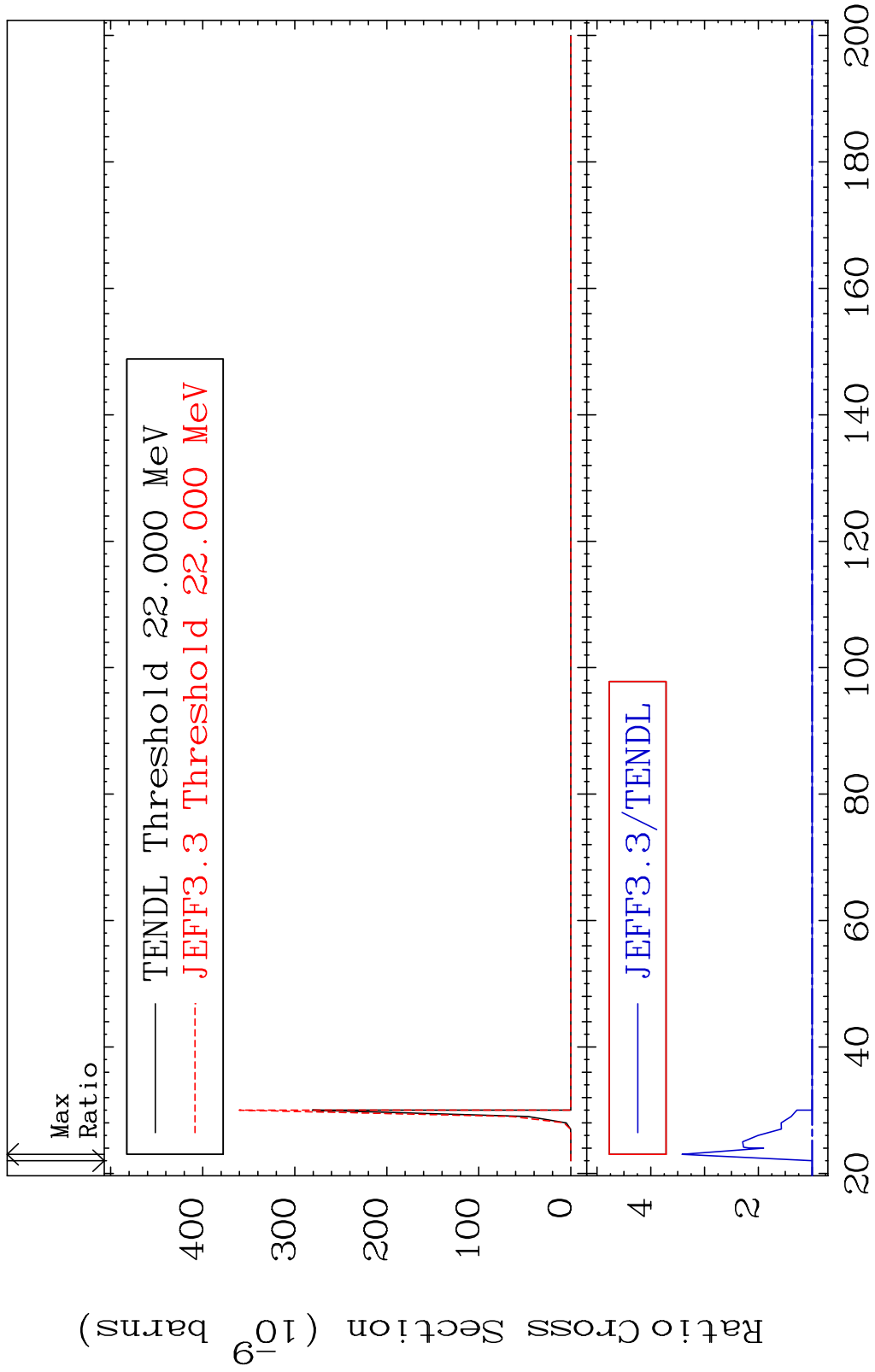
MAT 5259 (n, n') t:51-Sb-128m1 52-Te-131m
 Radionuclide Production Cross Section 133.9 %



MAT 5259 (n, n') He-3:50-Sn-128g 52-Te-131m
 Radionuclide Production Cross Section 115.5 %

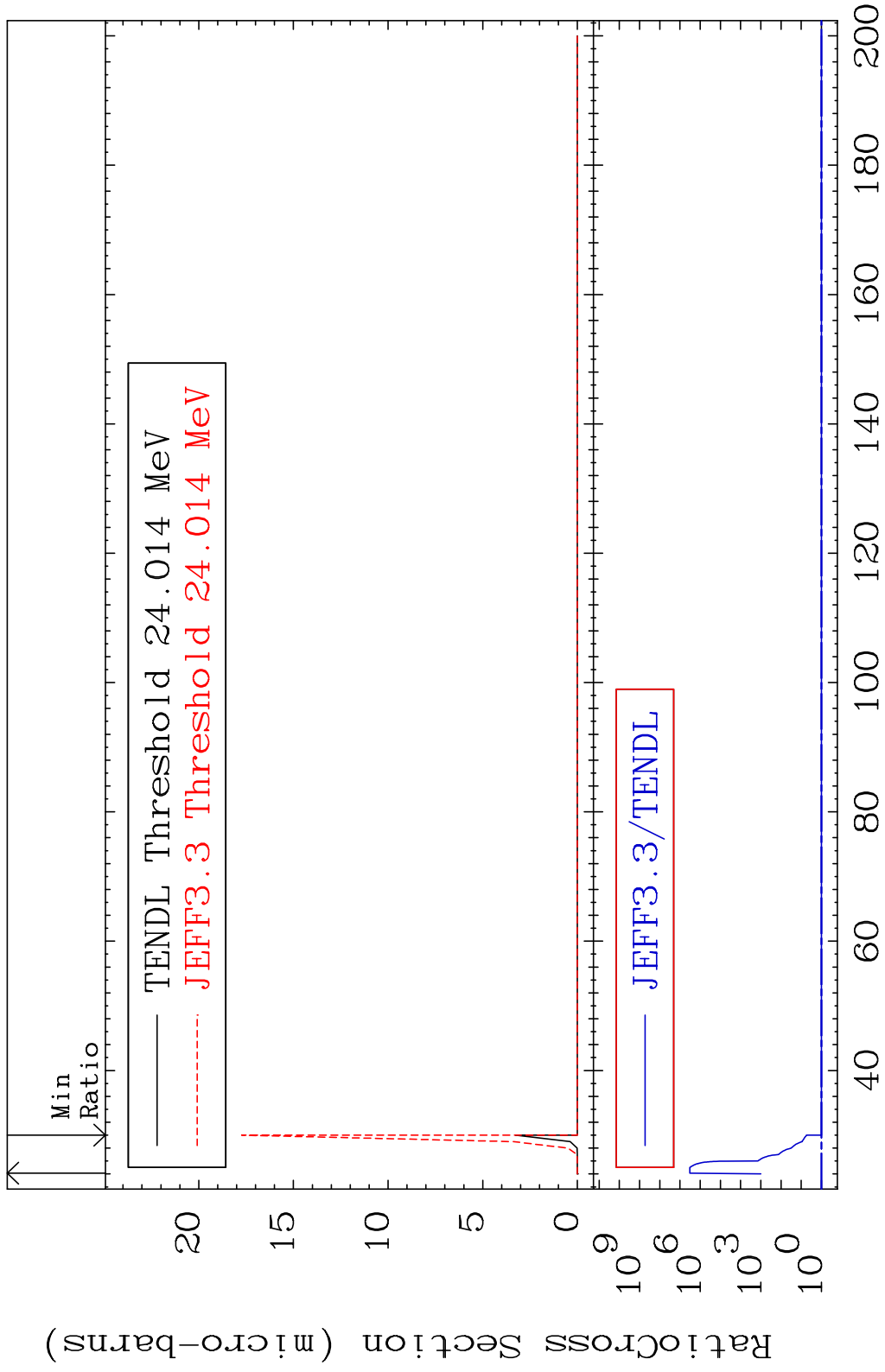


MAT 5259 (n, n') He-3:50-Sn-128m3 52-Te-131m
 Radionuclide Production Cross Section 242.0 %

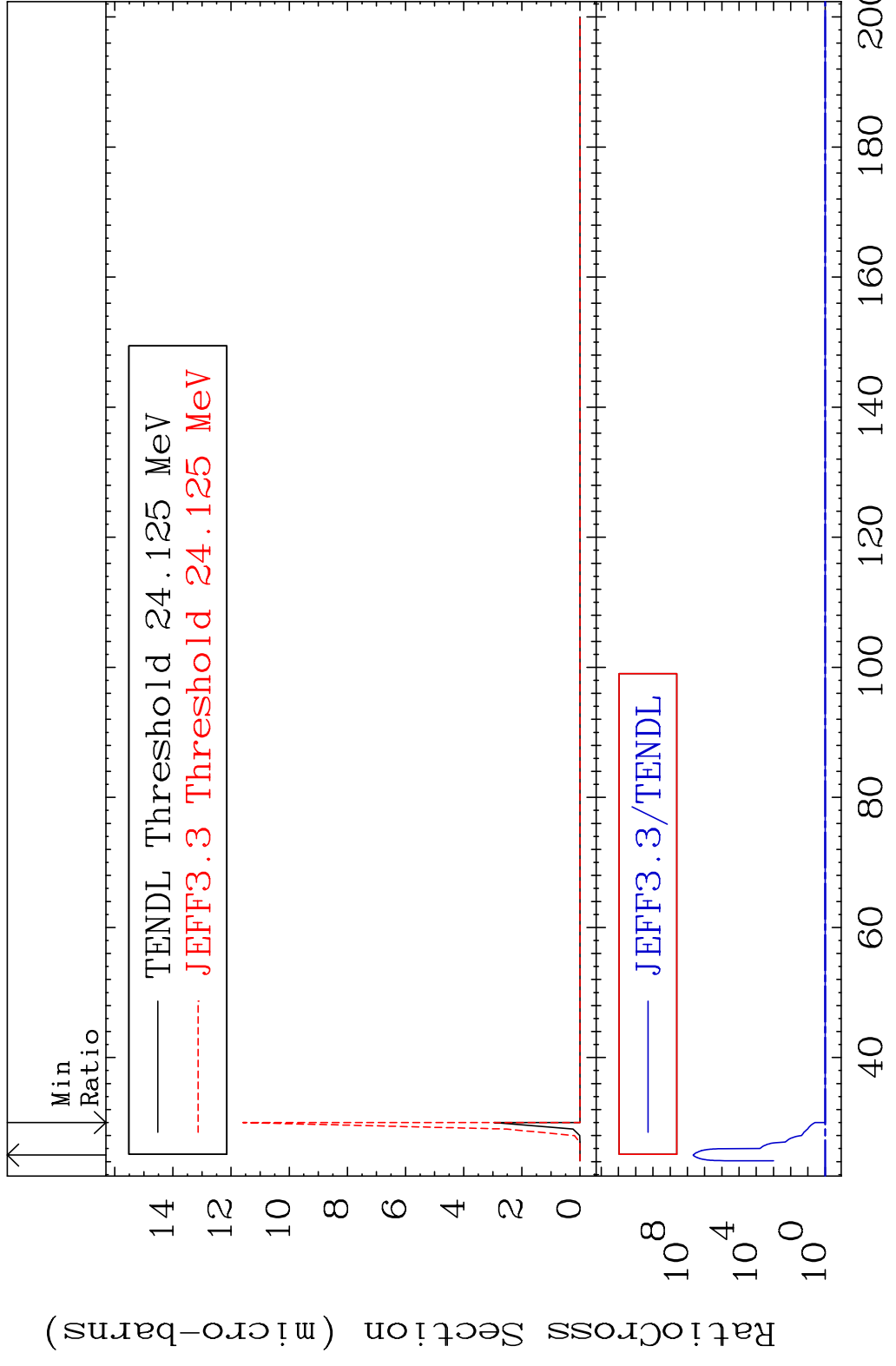


88 Incident Energy (MeV) 52-Te-131m

MAT 5259 (n,3n) p:51-Sb-128g 52-Te-131m
 Radionuclide Production Cross Section, % Valid 9999. %

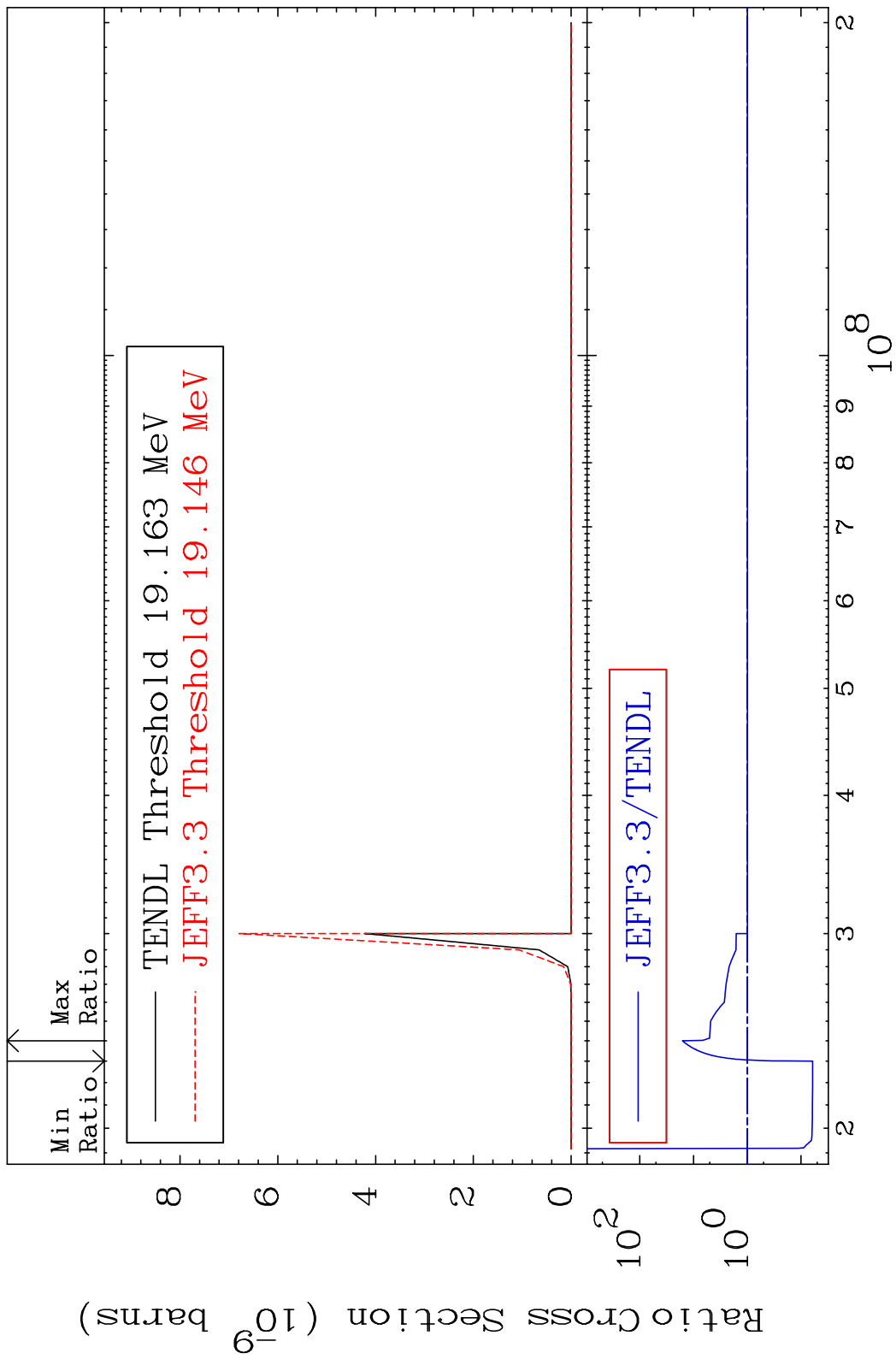


MAT 5259 (n,3n) p:51-Sb-128m1 52-Te-131m
 Radionuclide Production Cross Section, %

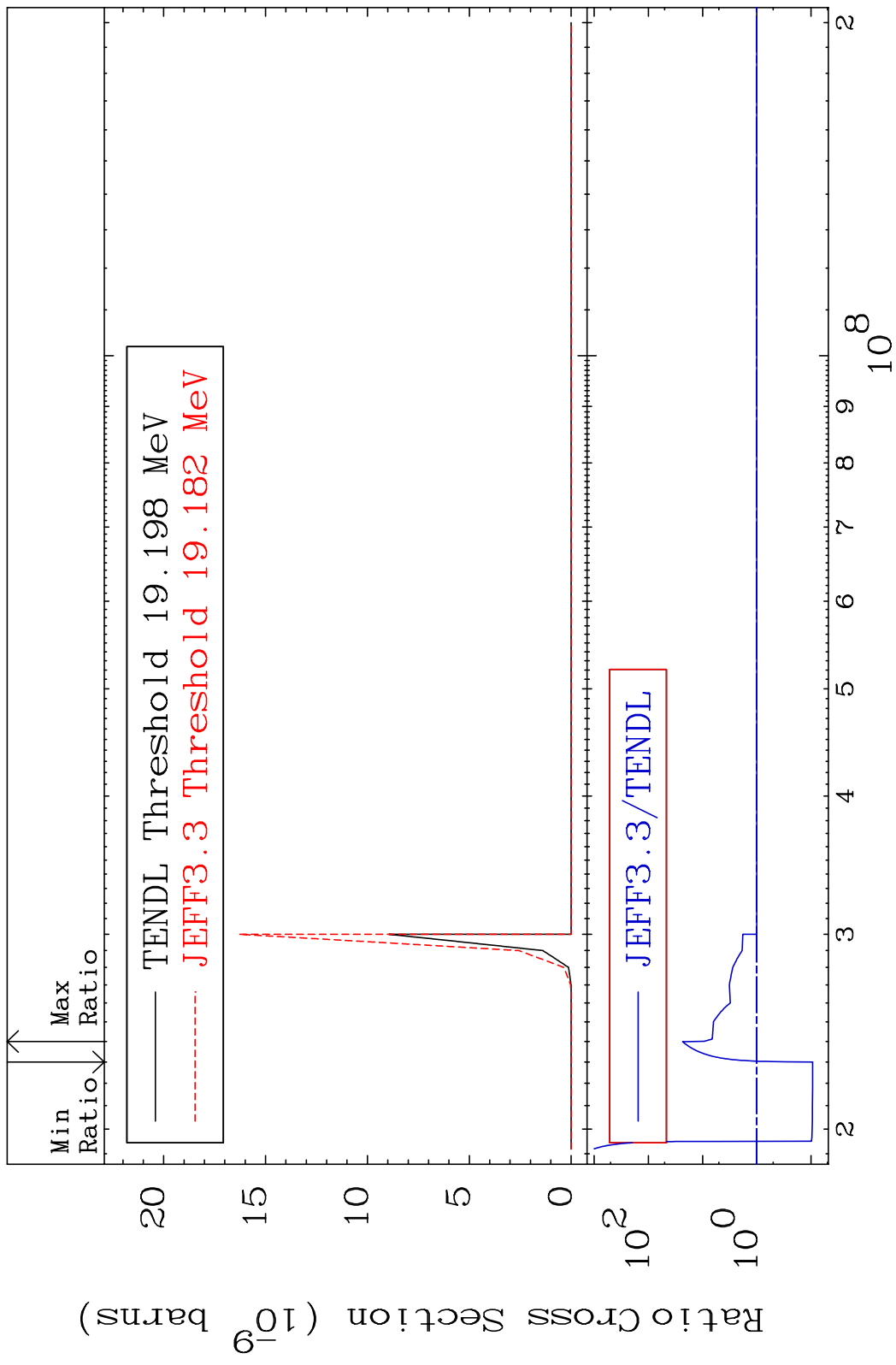


90 Incident Energy (MeV) 52-Te-131m

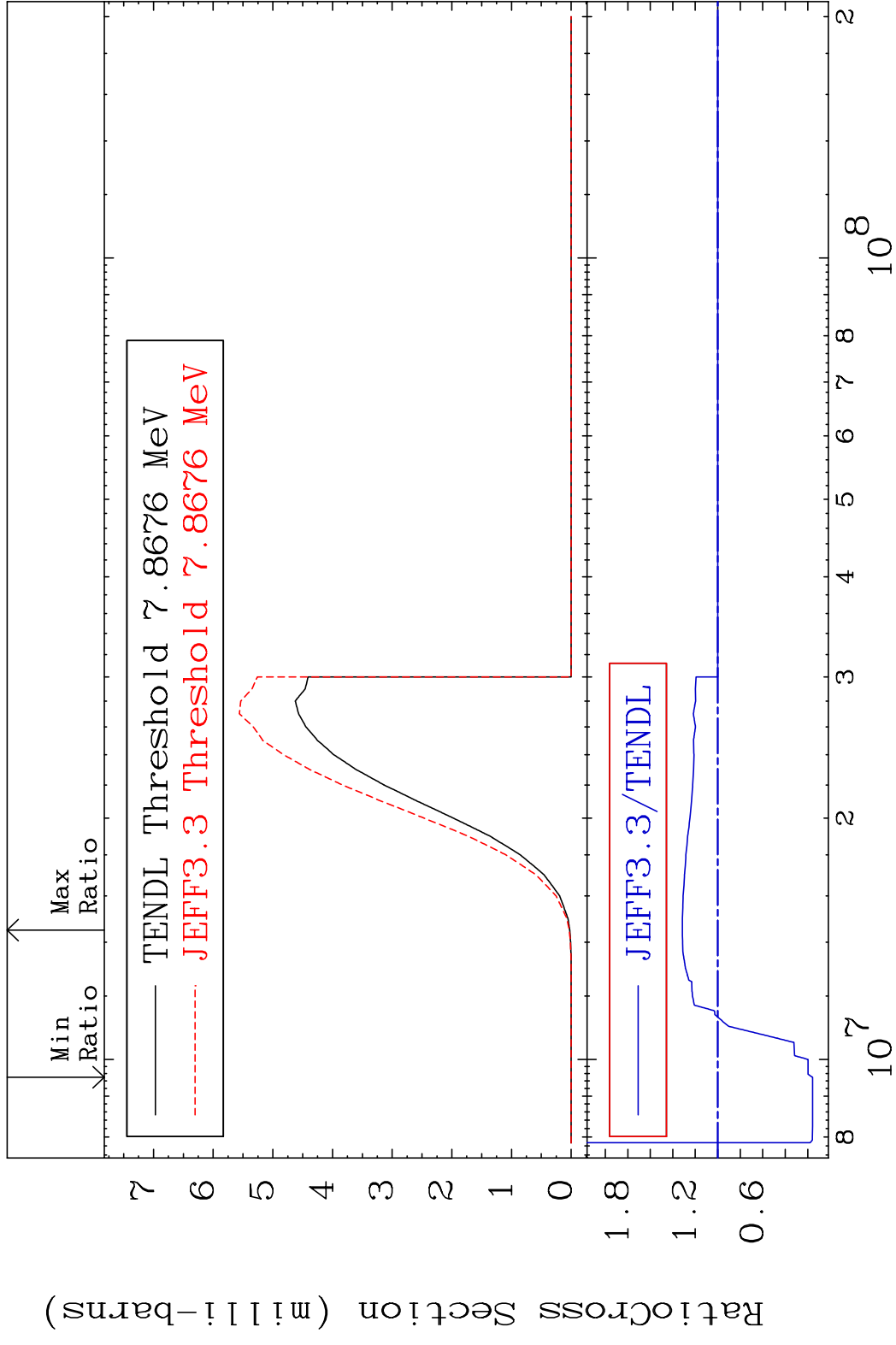
MAT 5259 (n,2n) p:50-Sn-129g 52-Te-131m
 Radionuclide Production Cross Section 98.681 dth 1518. %



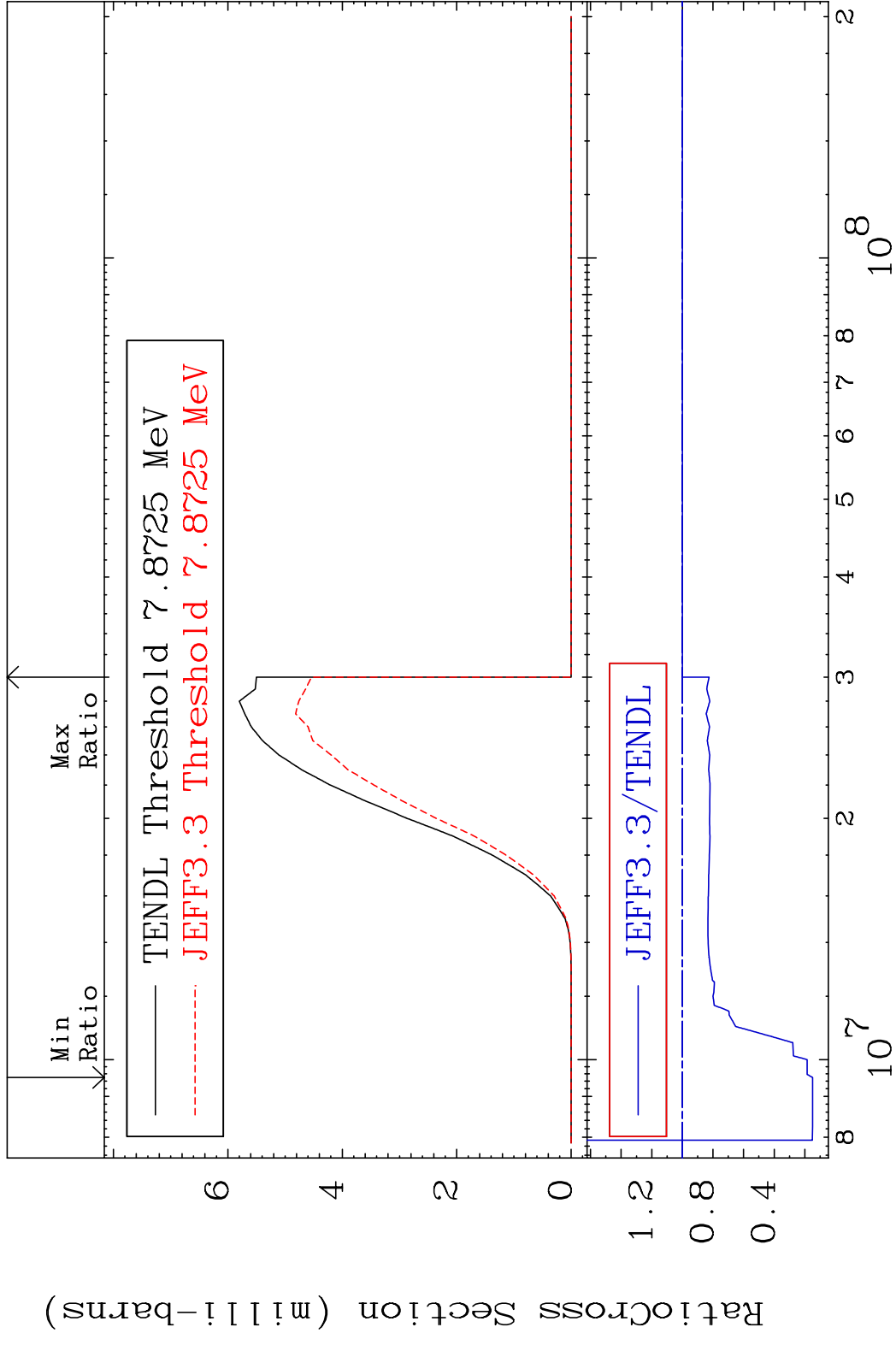
MAT 5259 (n,2n) p:50-Sn-129m1 52-Te-131m
 Radionuclide Production Cross Section to Endo 2261. %



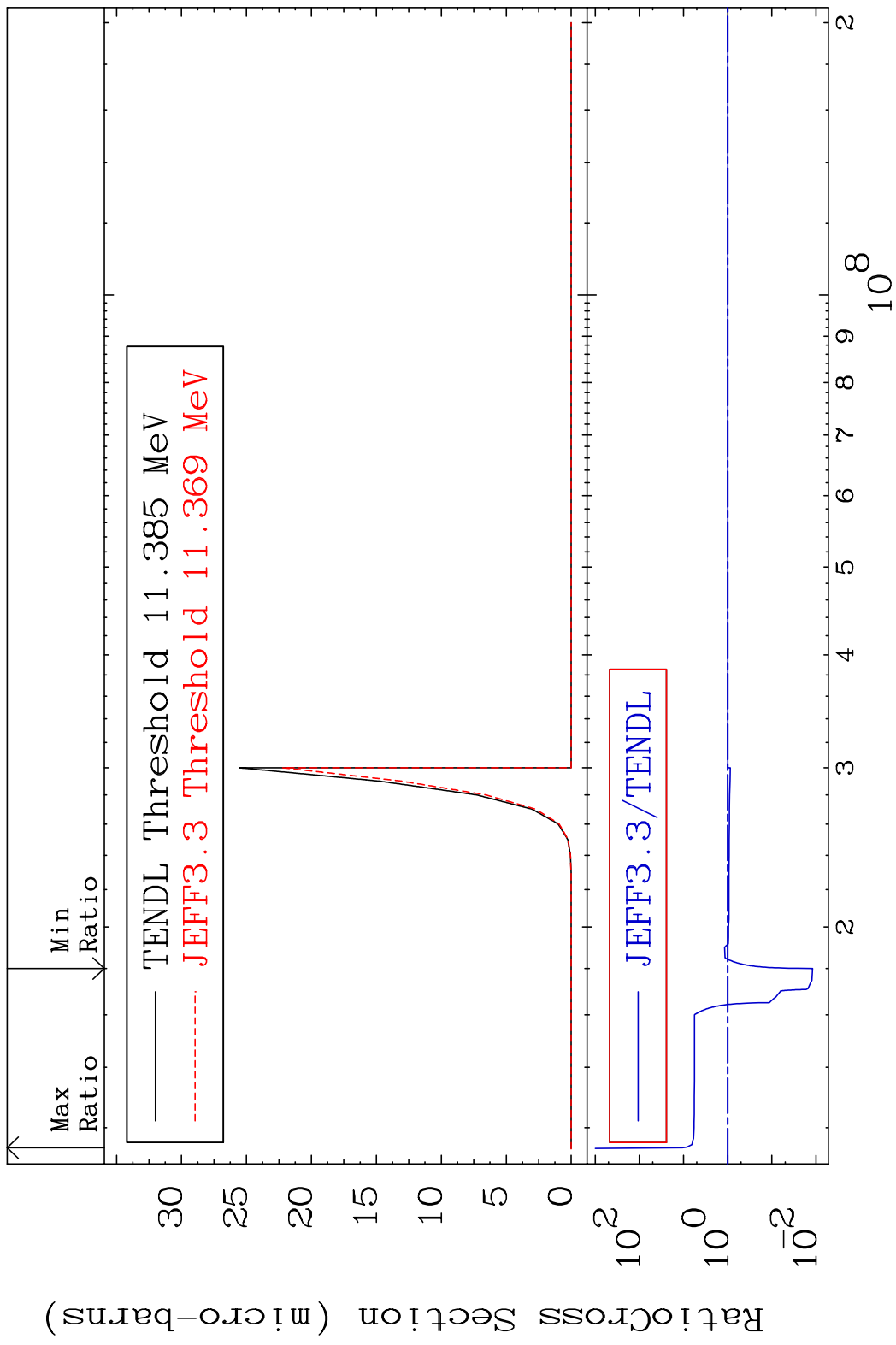
MAT 5259 (n,d):51-Sb-130g 52-Te-131m
 Radionuclide Production Cross Section 31.47 %

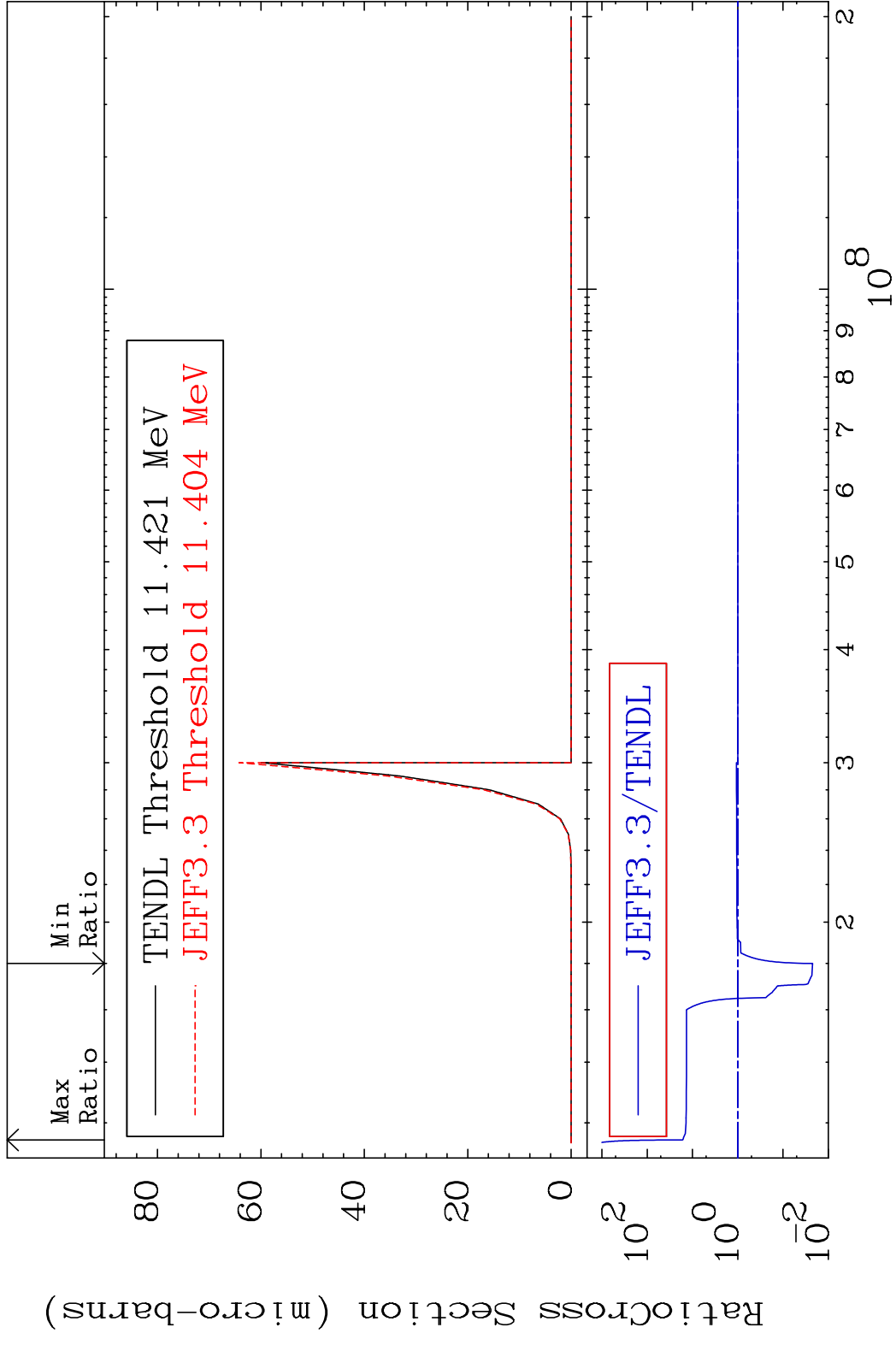


MAT 5259 (n,d):51-Sb-130m1 52-Te-131m
 Radionuclide Production Cross Section 0.000 %

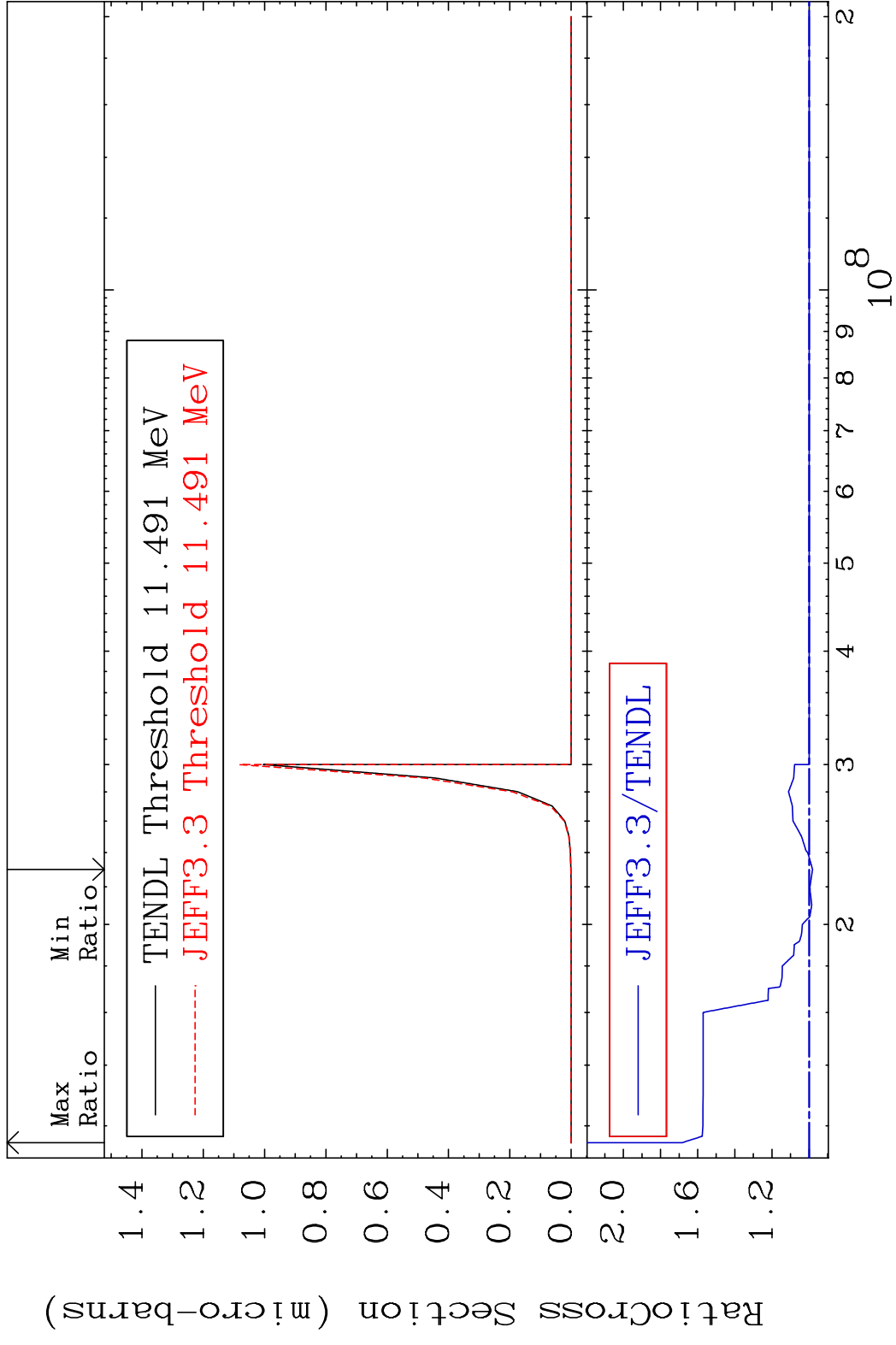


MAT 5259 (n, He-3):50-Sn-129g 52-Te-131m
 Radionuclide Production Cross Section 98.601 d to 962.5 %

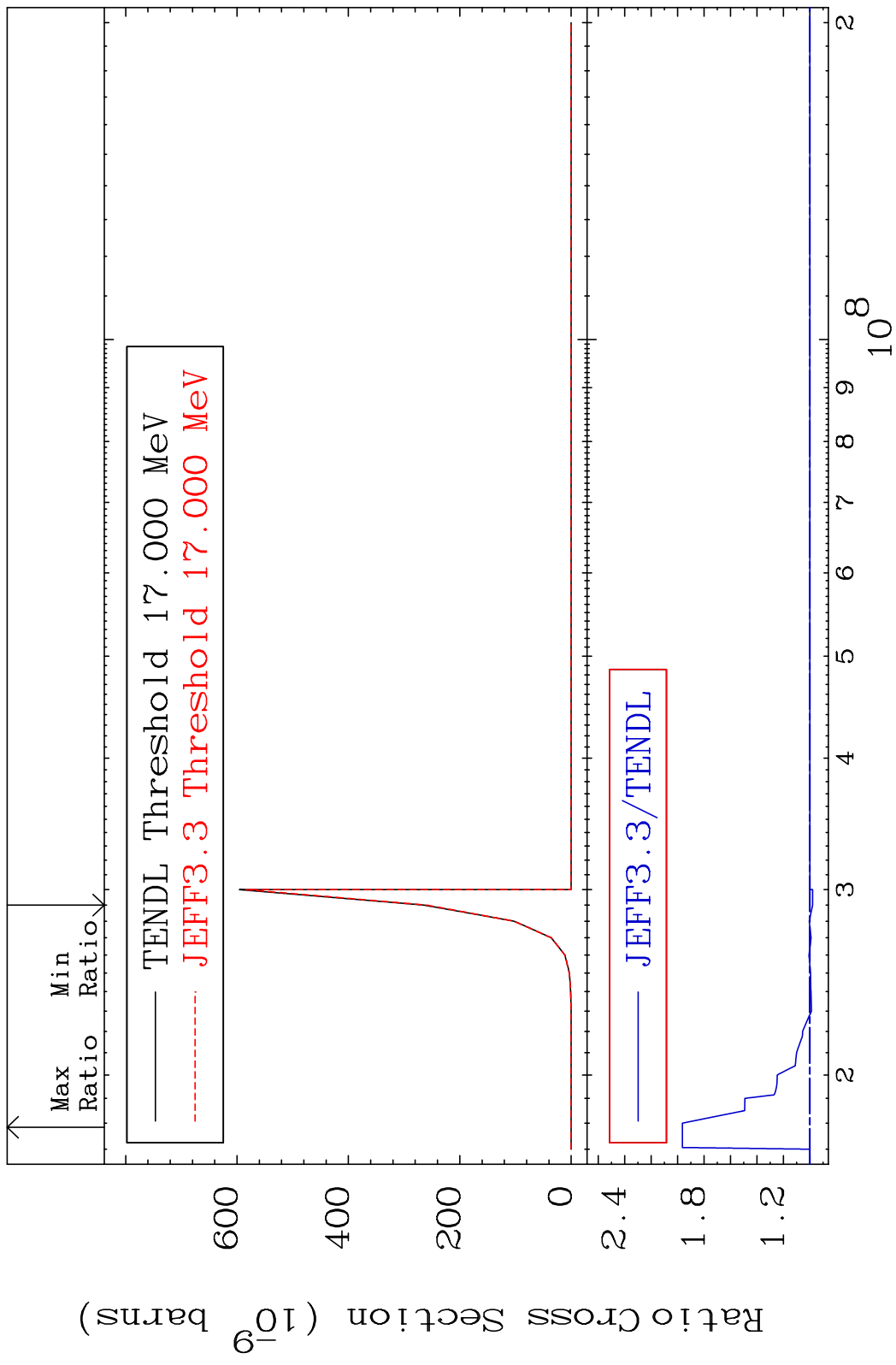




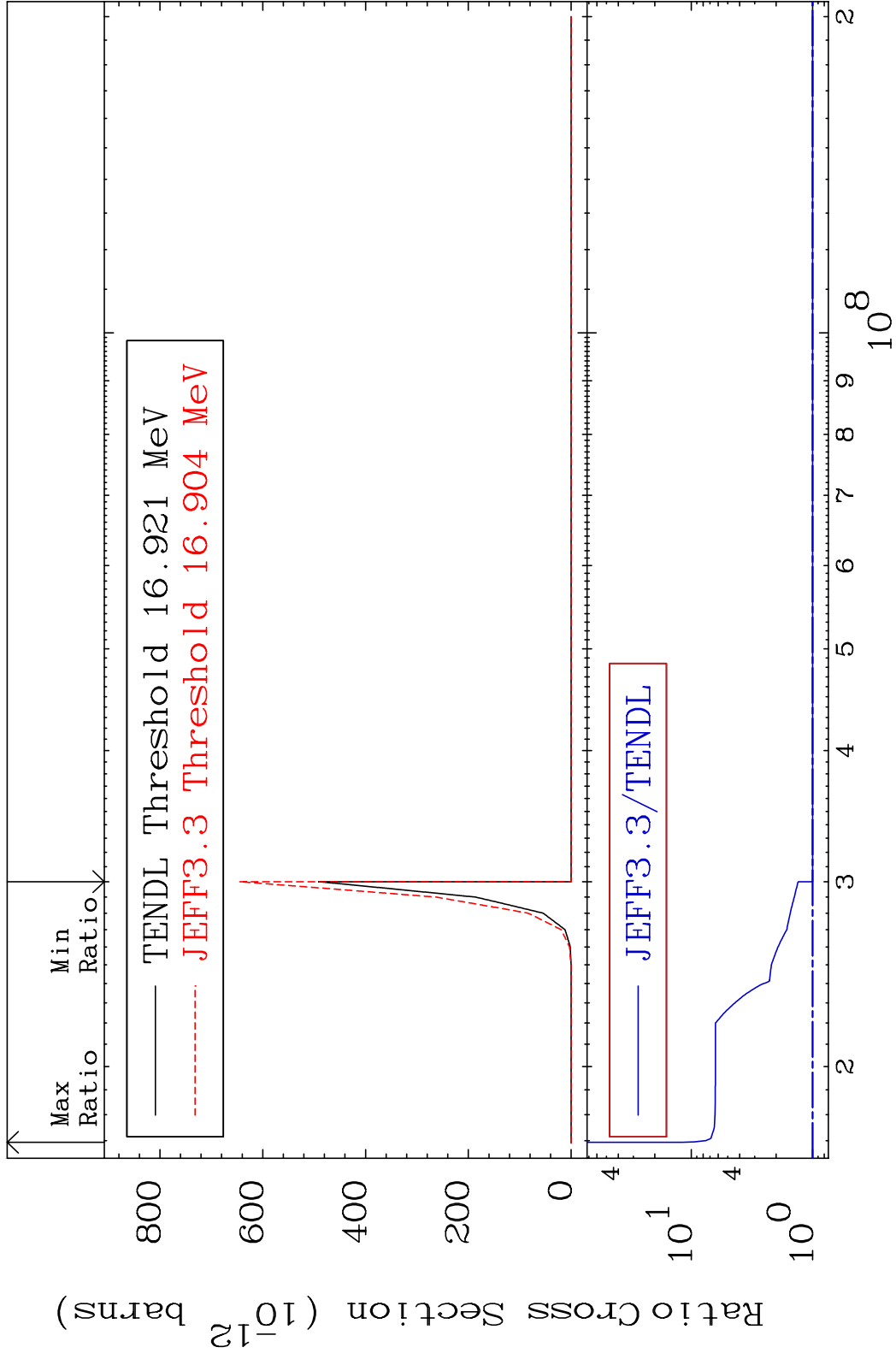
MAT 5259 (n,2p):50-Sn-130g 52-Te-131m
 Radionuclide Production Cross Section 1.866E-10 68.24 %



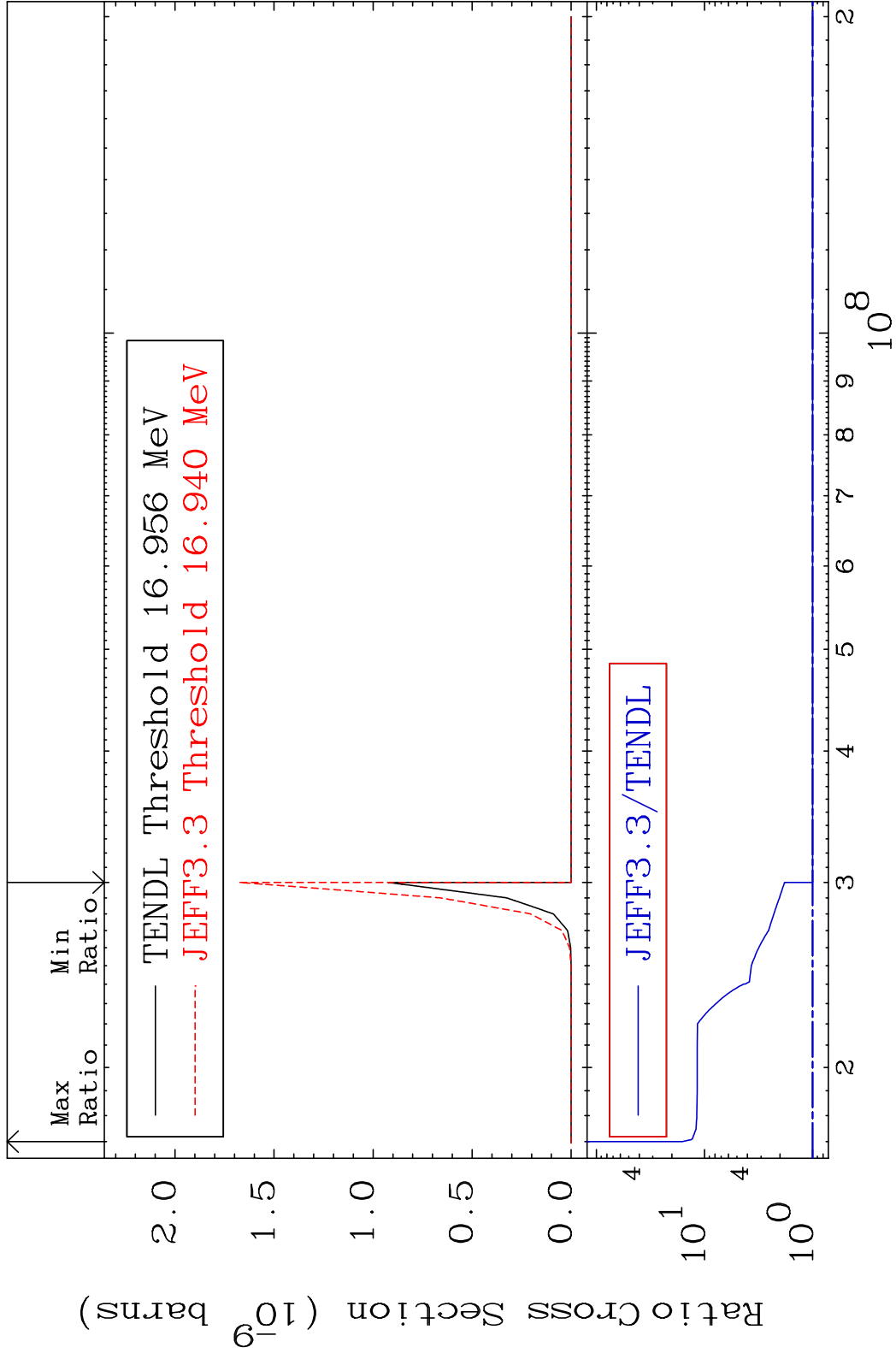
MAT 5259 (n, 2p):50-Sn-130m2 52-Te-131m
 Radionuclide Production Cross Section to 96.46 %



MAT 5259 (n,p) d:50-Sn-129g 52-Te-131m
 Radionuclide Production Cross Section 1085. %

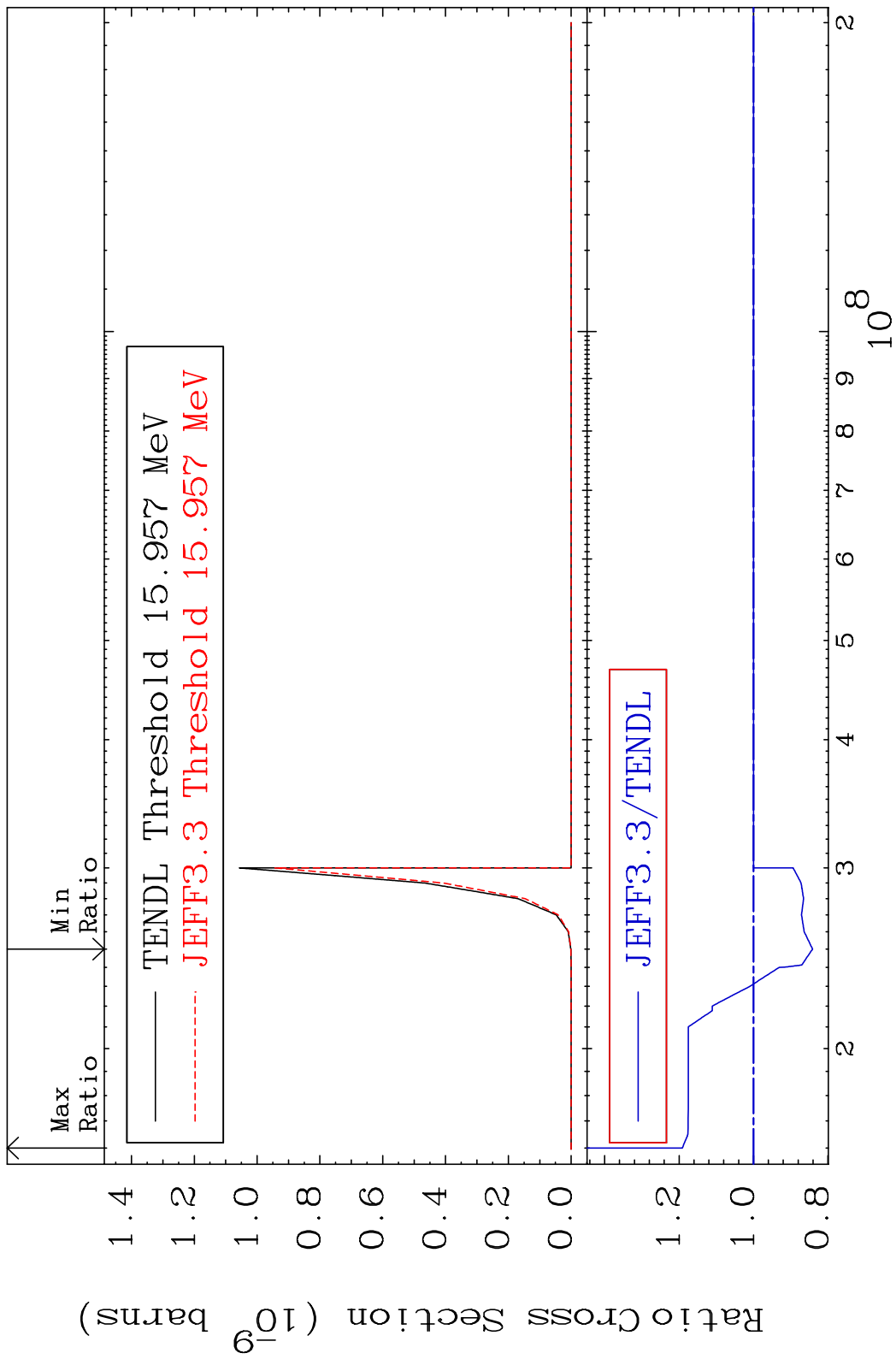


MAT 5259 (n, p) d:50-Sn-129m1 52-Te-131m
 Radionuclide Production Cross Section 1500. %

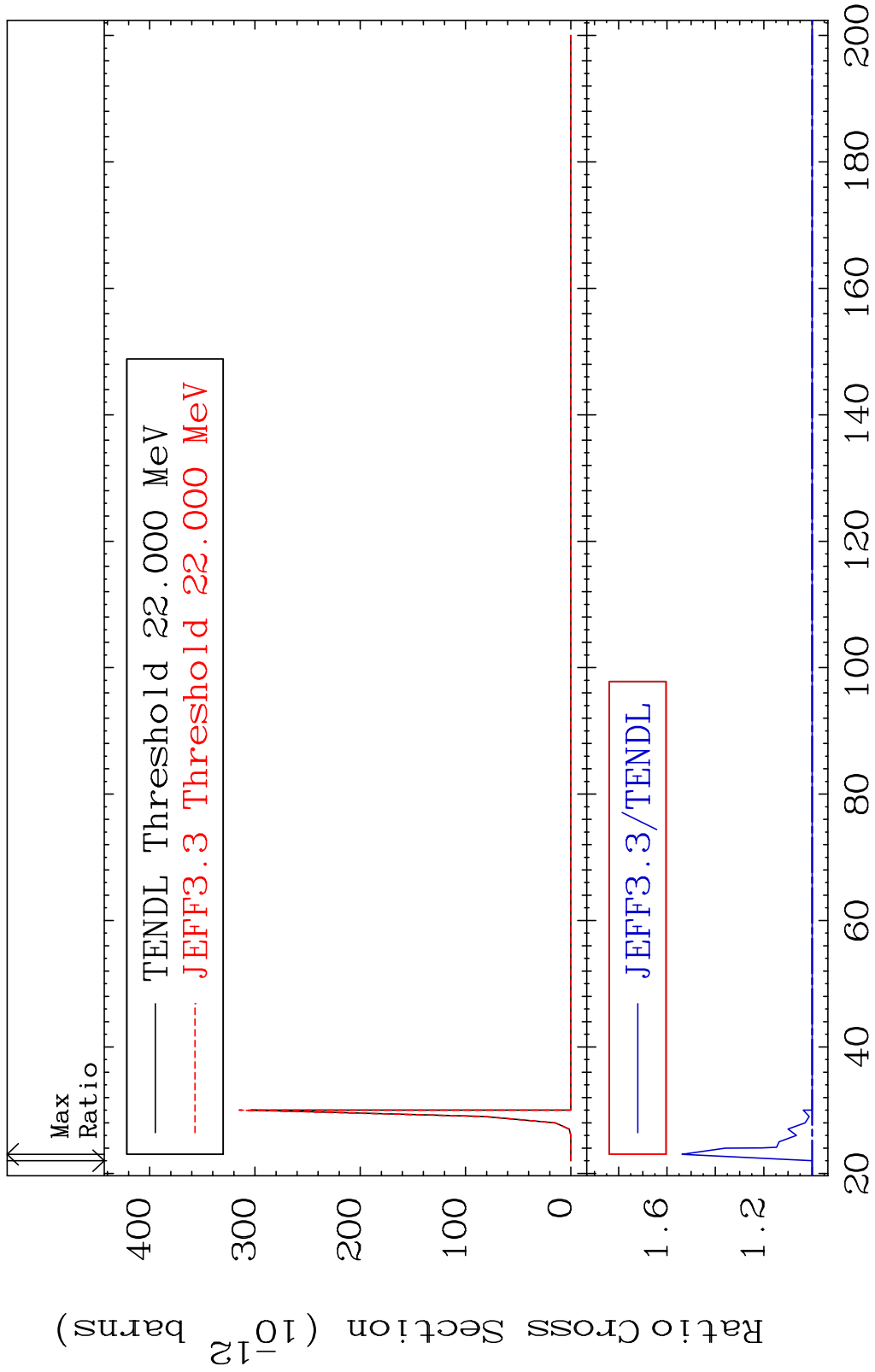


100 Incident Energy (eV) 52-Te-131m

MAT 5259 (n,p) t:50-Sn-128g 52-Te-131m
 Radionuclide Production Cross Section 19.12 %



MAT 5259 (n,p) t:50-Sn-128m3 52-Te-131m
 Radionuclide Production Cross Section 53.82 %



102 Incident Energy (MeV) 52-Te-131m