

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

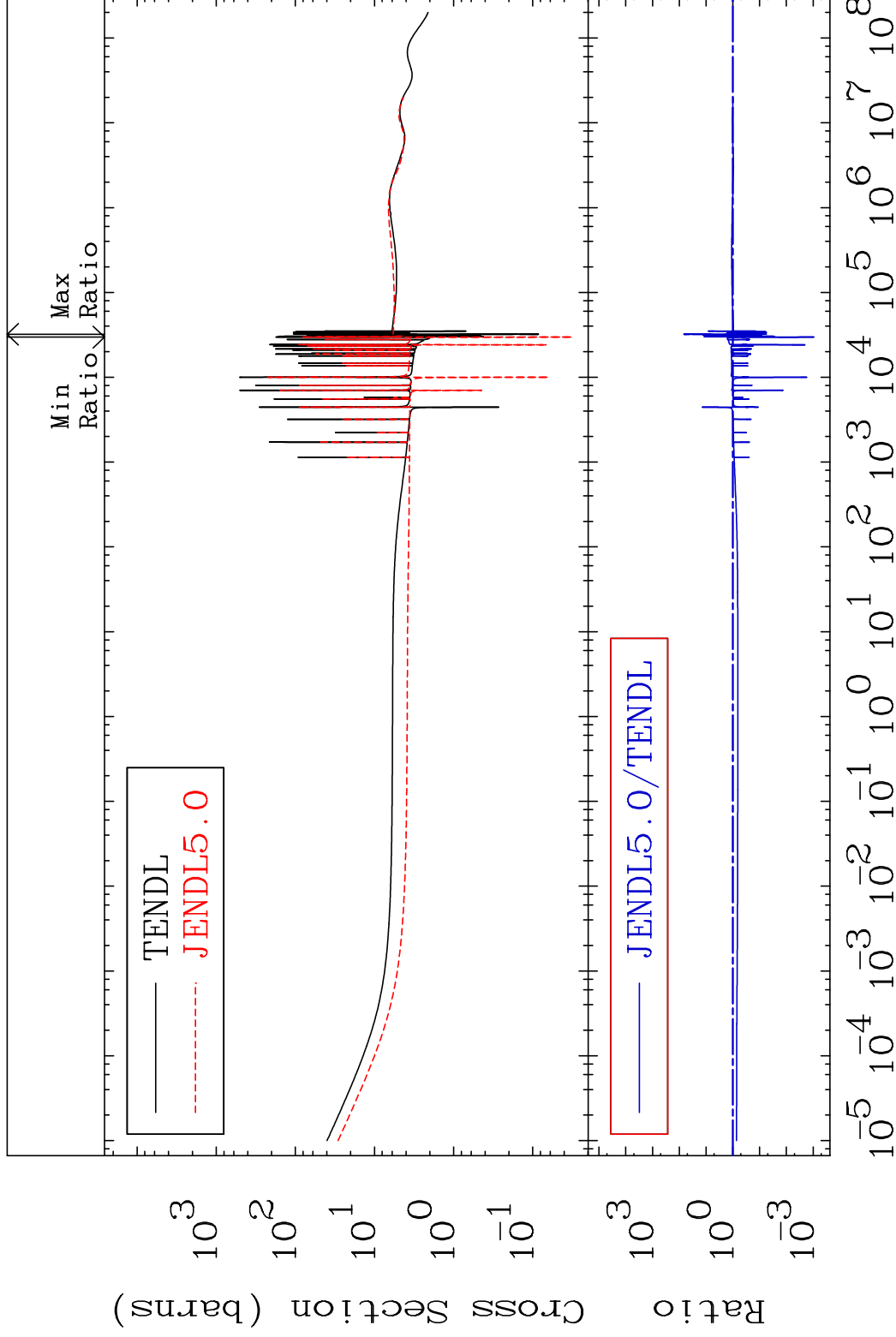
MAT 5255

Total

52-Te-130

Cross Section

-99.91 To 6772. %



1

Incident Energy (eV)

52-Te-130

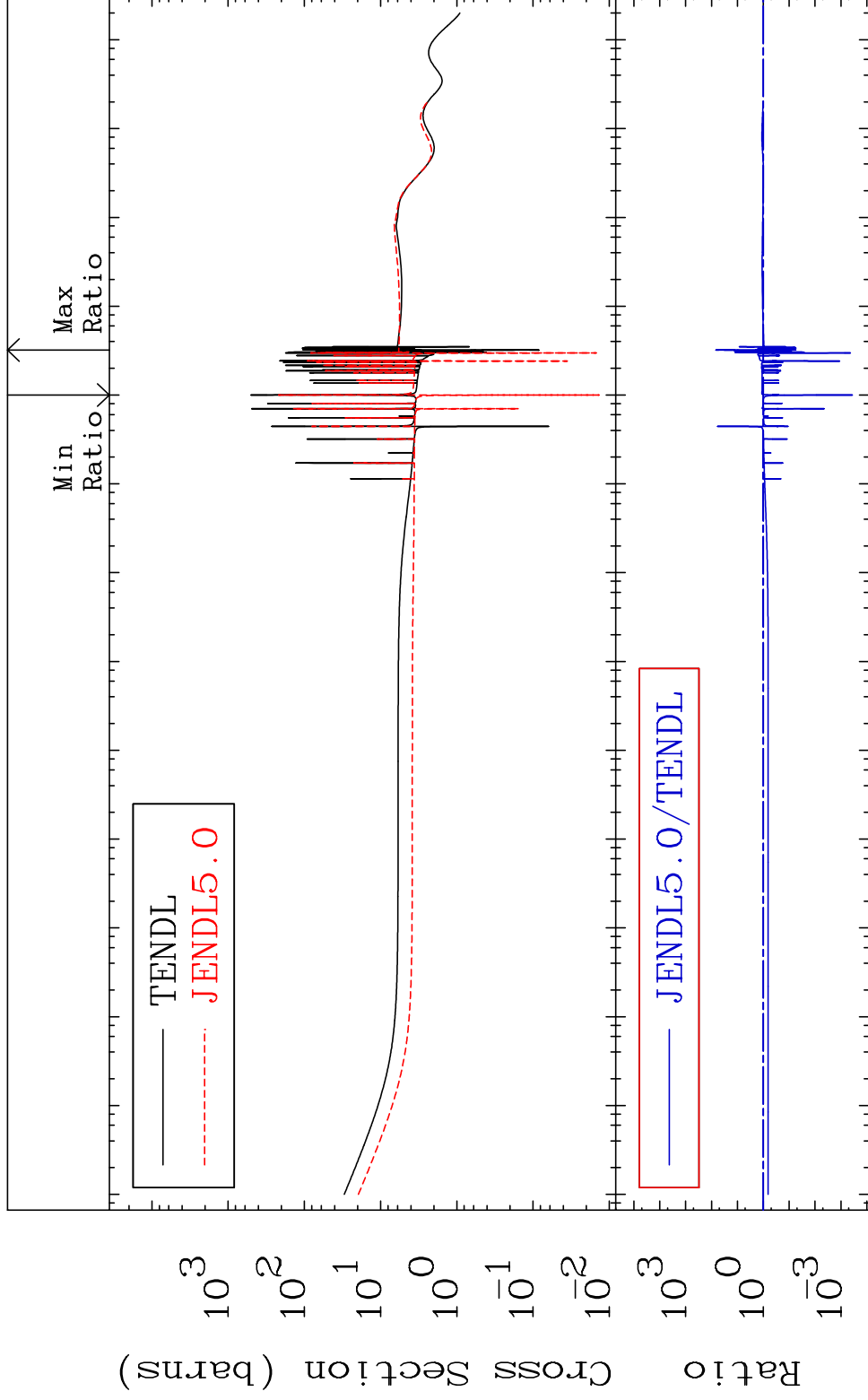
MAT 5255

Elastic

52-Te-130

Cross Section

-99.96 To 6835. %



2

Incident Energy (eV)

52-Te-130

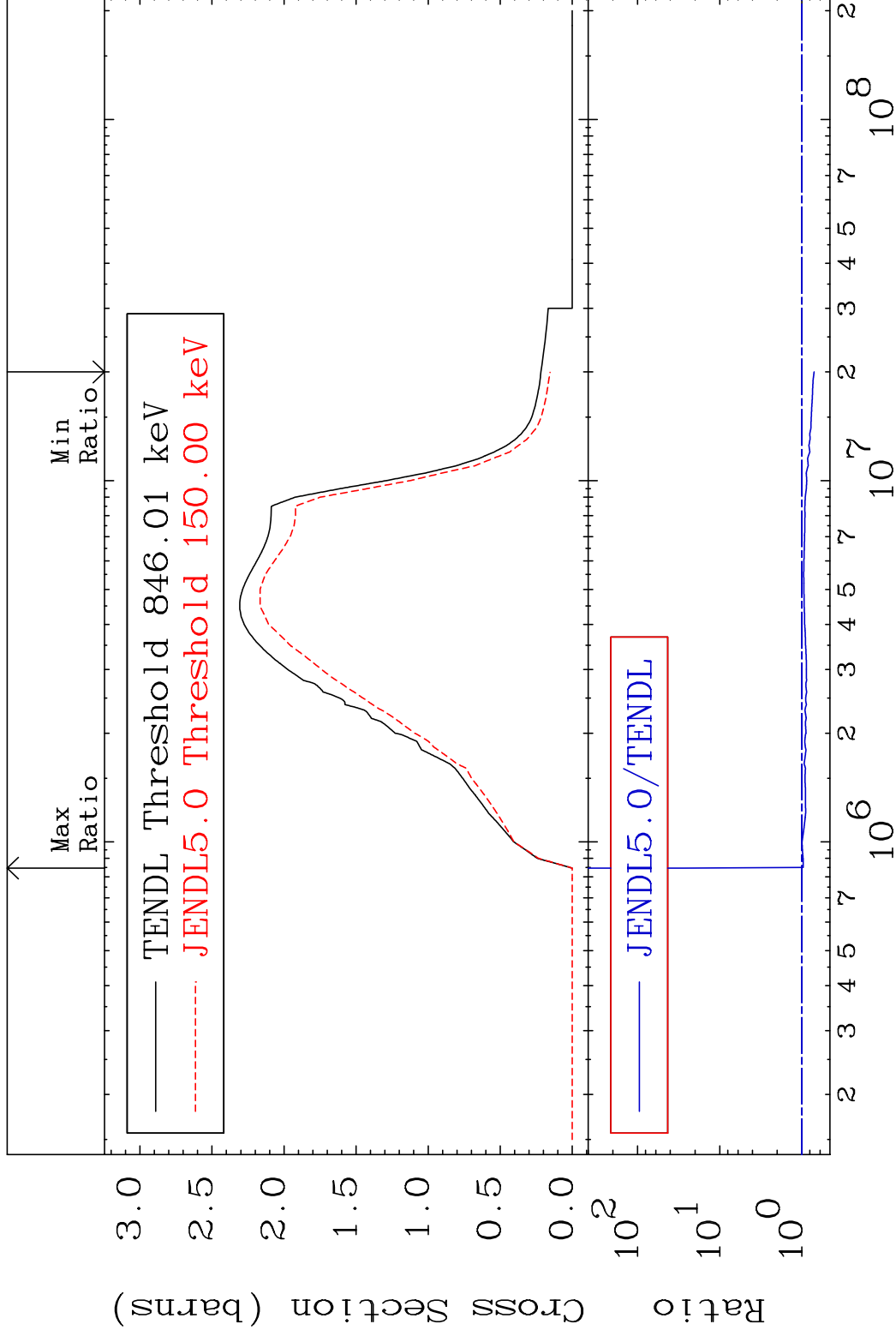
MAT 5255

Inelastic

52-Te-130

Cross Section

-28.97 To 2652. %

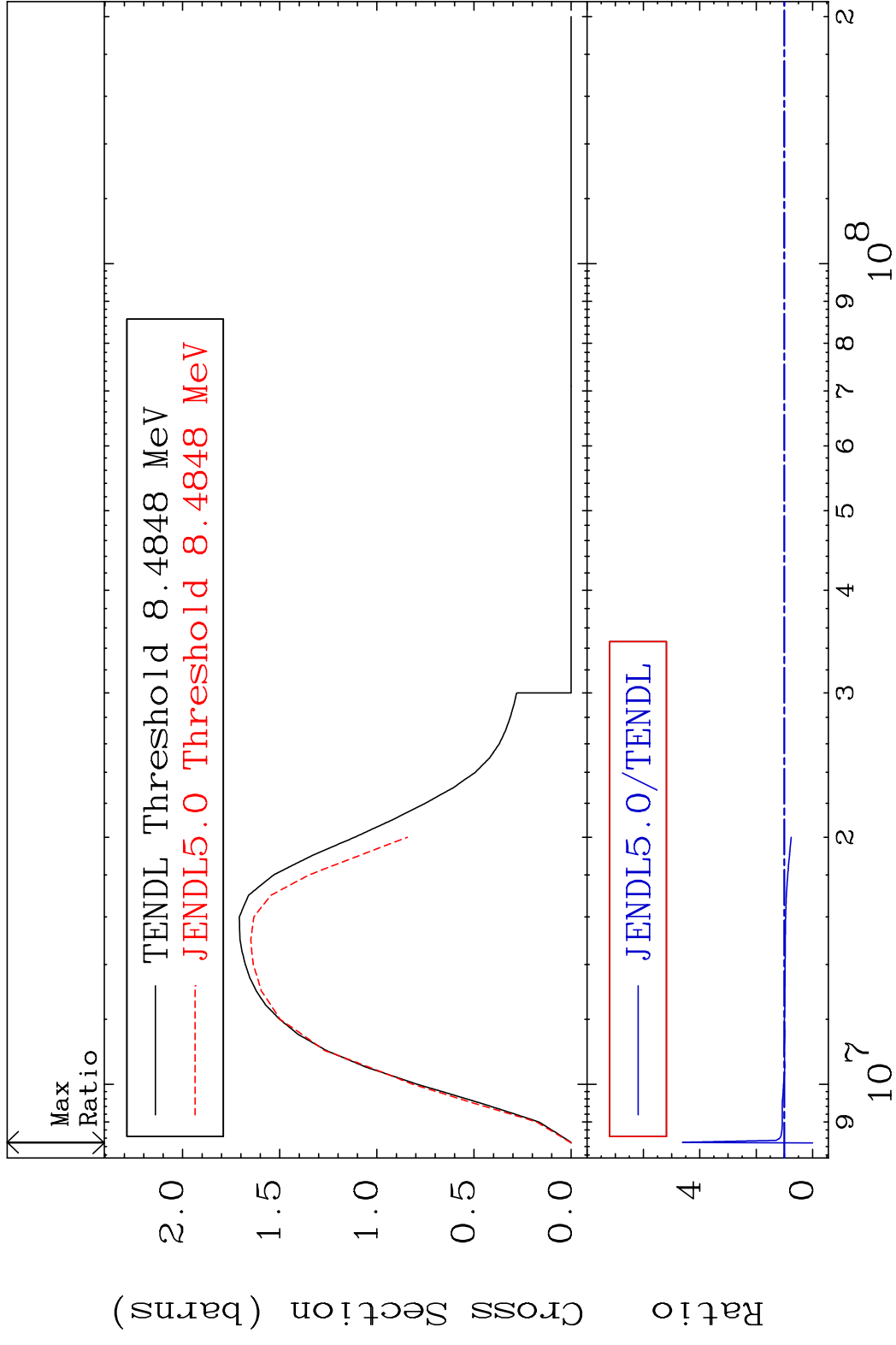


3

Incident Energy (eV)

52-Te-130

MAT 5255 (n,2n) 52-Te-130
 Cross Section -100.0 To 361.9 %



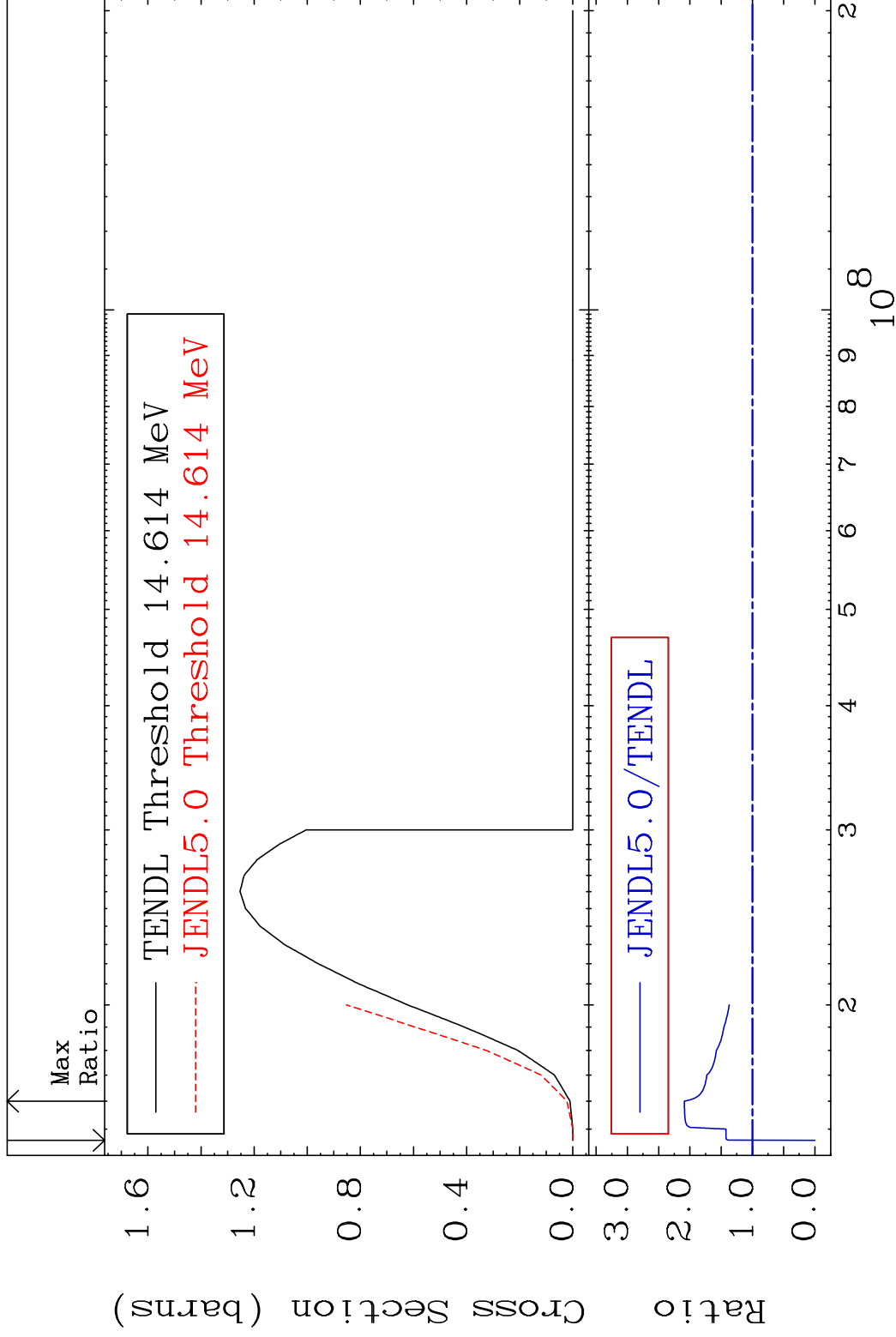
4 Incident Energy (eV) 52-Te-130

MAT 5255

(n,3n)

52-Te-130

Cross Section -100.0 To 108.9 %

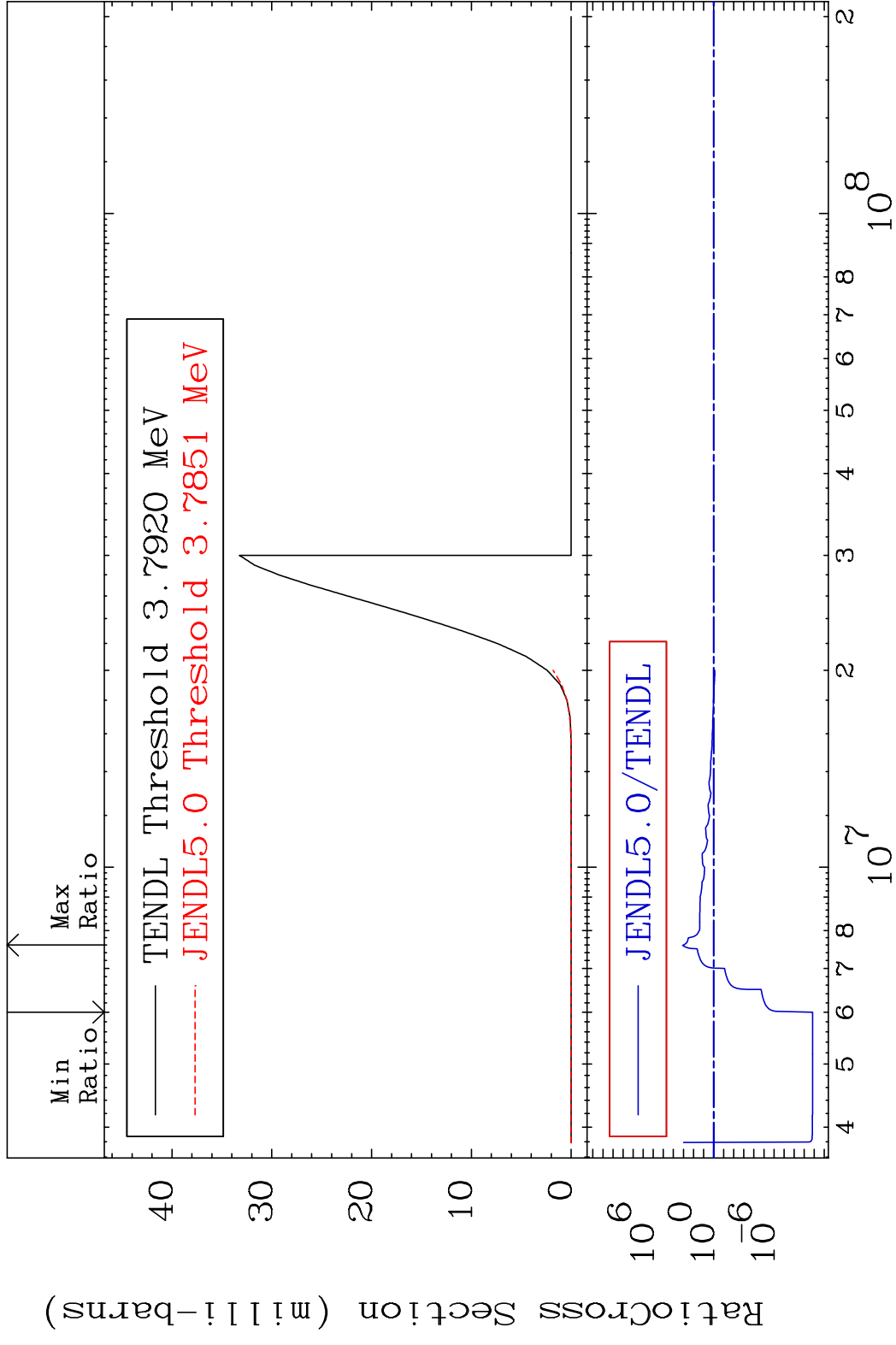


5

Incident Energy (eV)

52-Te-130

MAT 5255 (n, n') α 52-Te-130
 Cross Section -100.0 To 9999. %

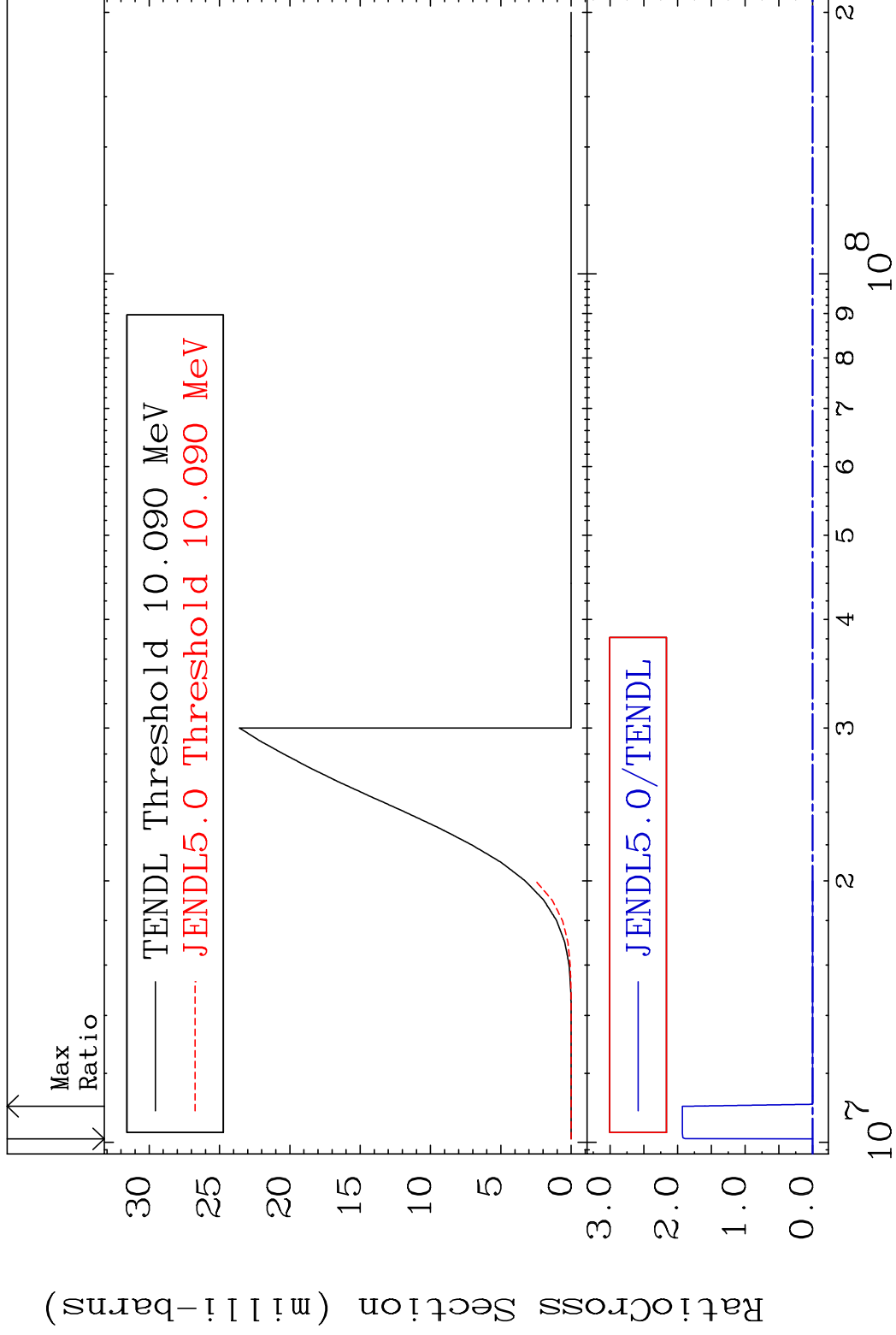


MAT 5255

(n, n') p

52-Te-130

Cross Section -100.0 To 9999. %

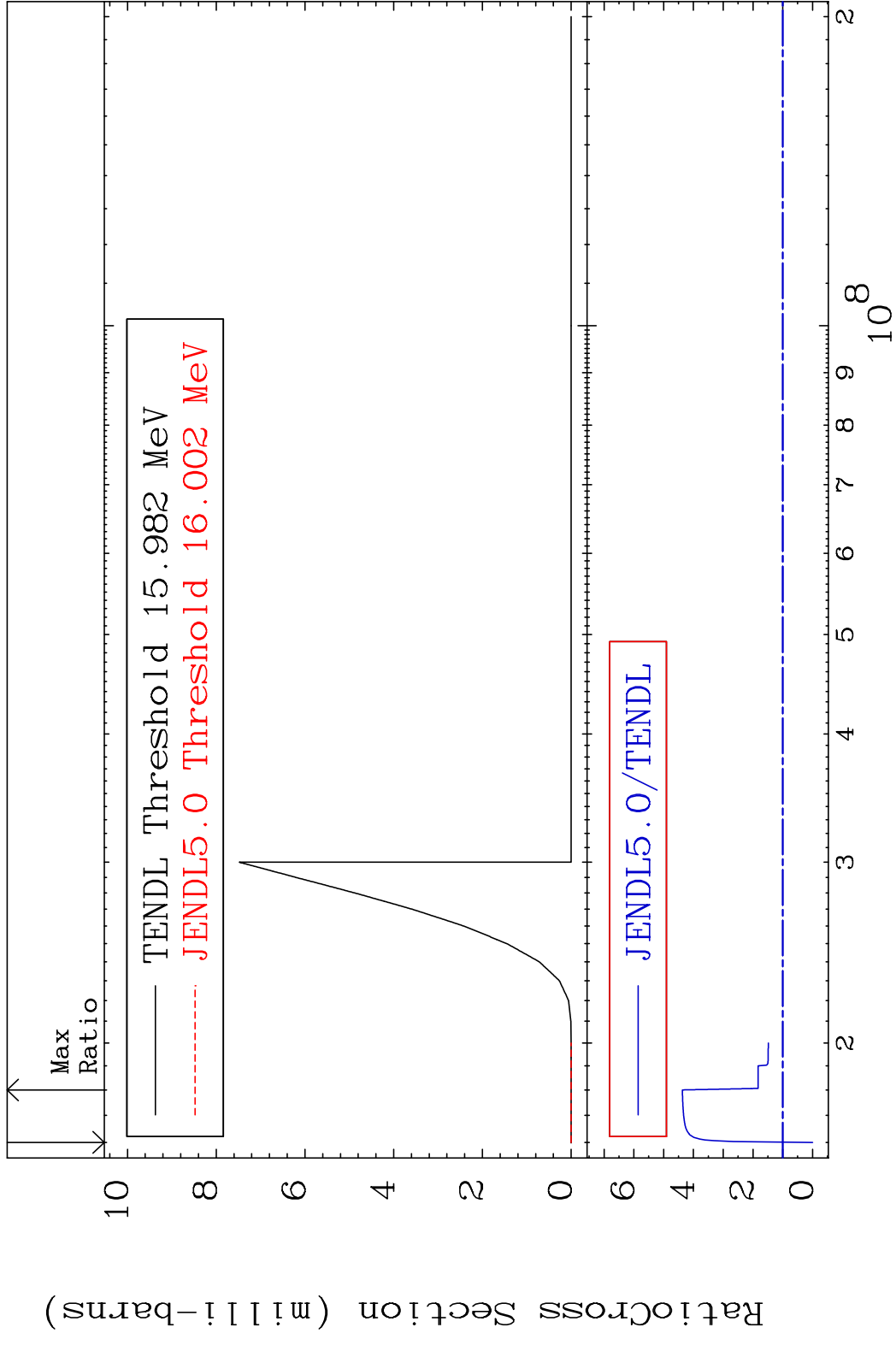


7

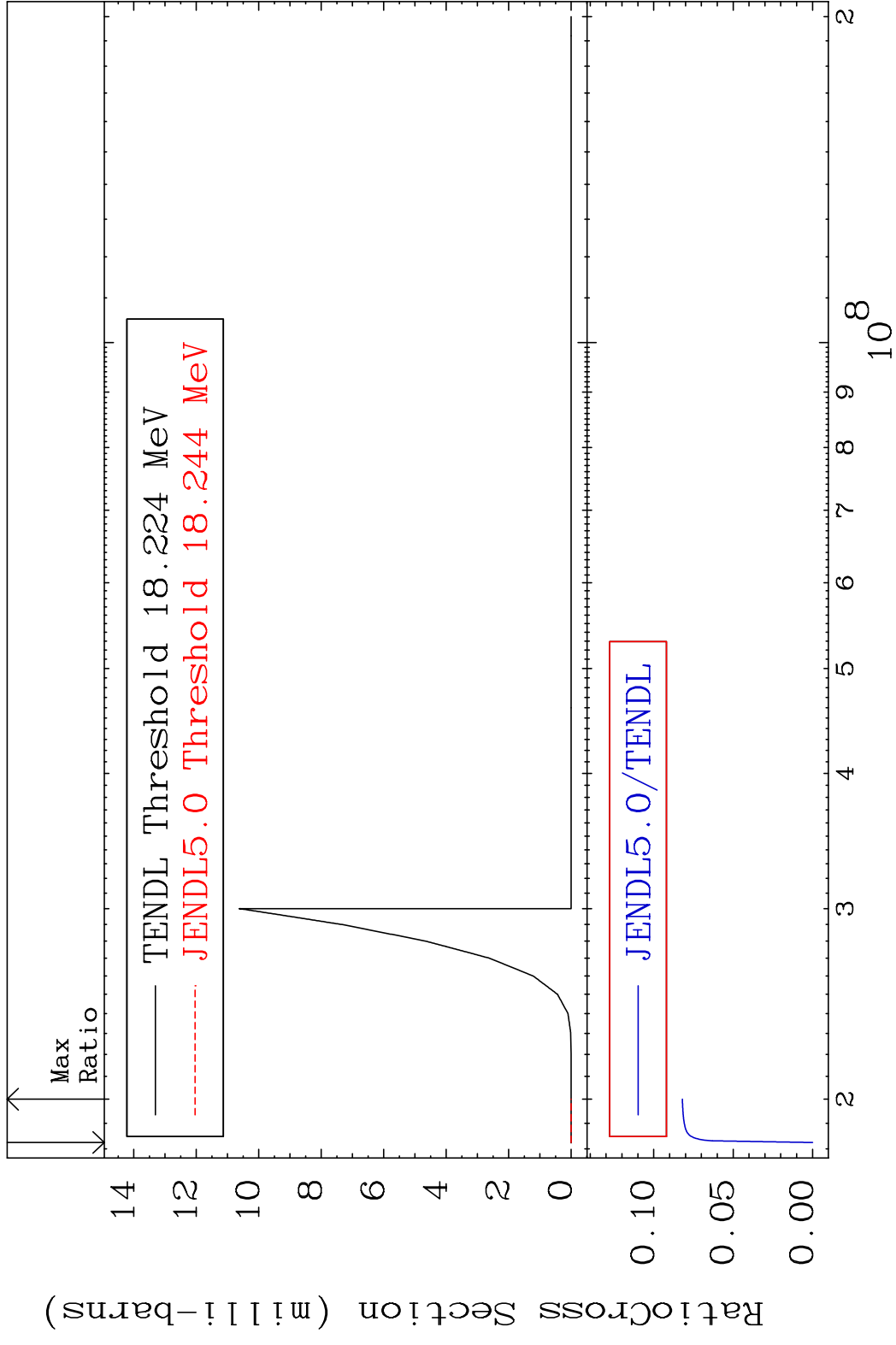
Incident Energy (eV)

52-Te-130

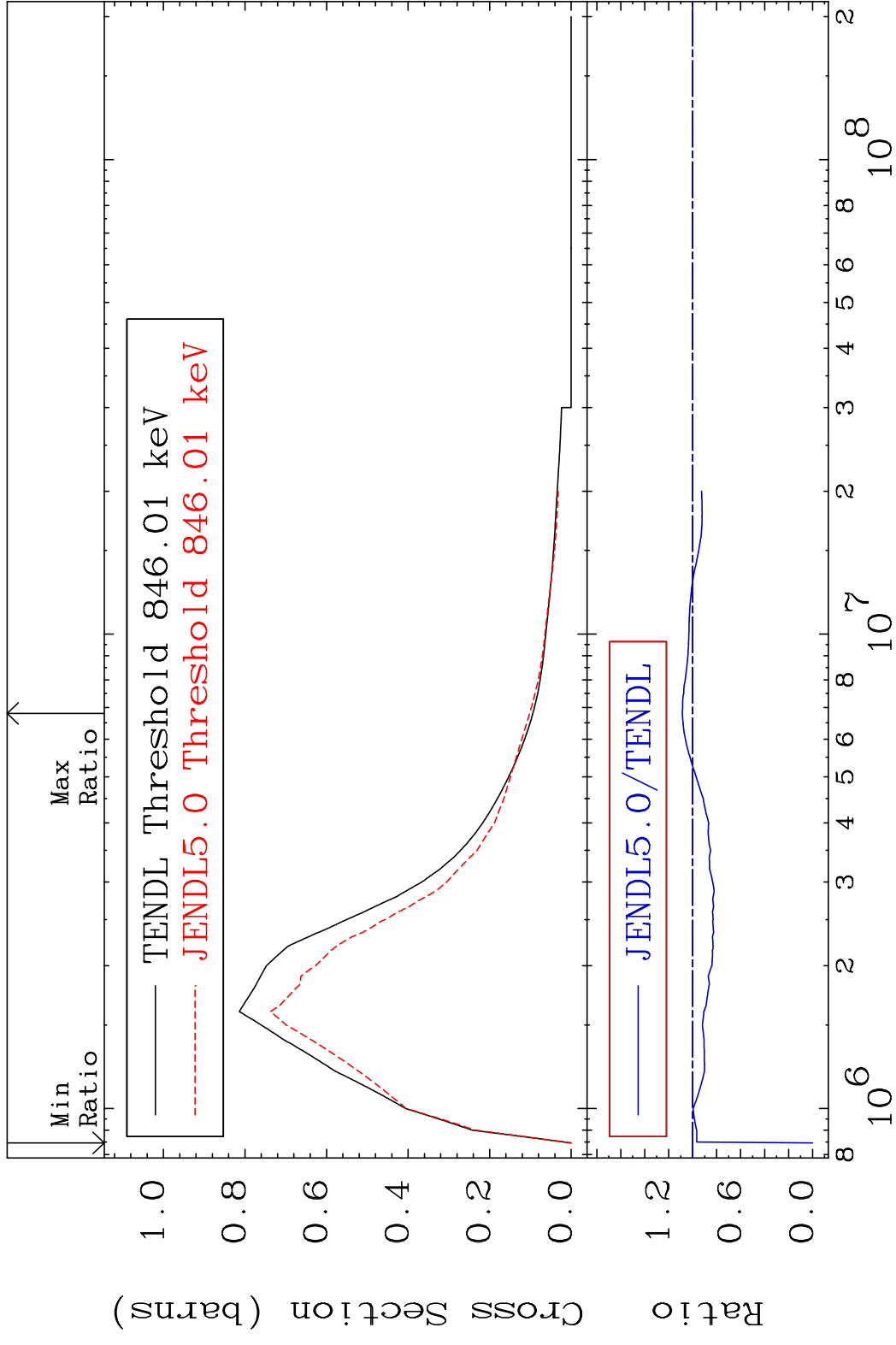
MAT 5255 (n, n') d 52-Te-130
 Cross Section -100.0 To 337.2 %



MAT 5255 (n,2n) p 52-Te-130
 Cross Section -100.0 To -91.80%

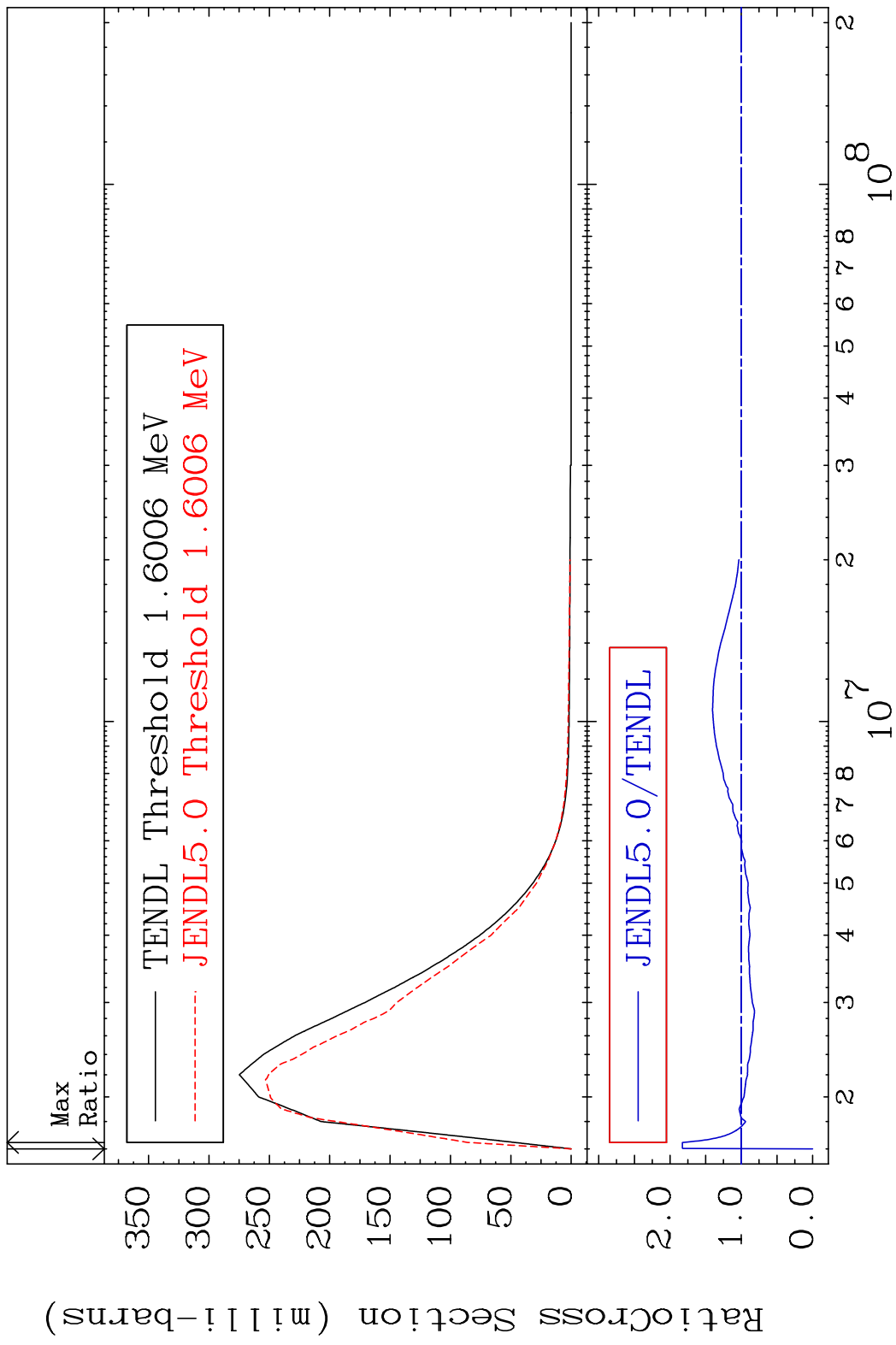


MAT 5255 MT= 51 (n, n') Level 52-Te-130
 Cross Section -100.0 To 8.614 %

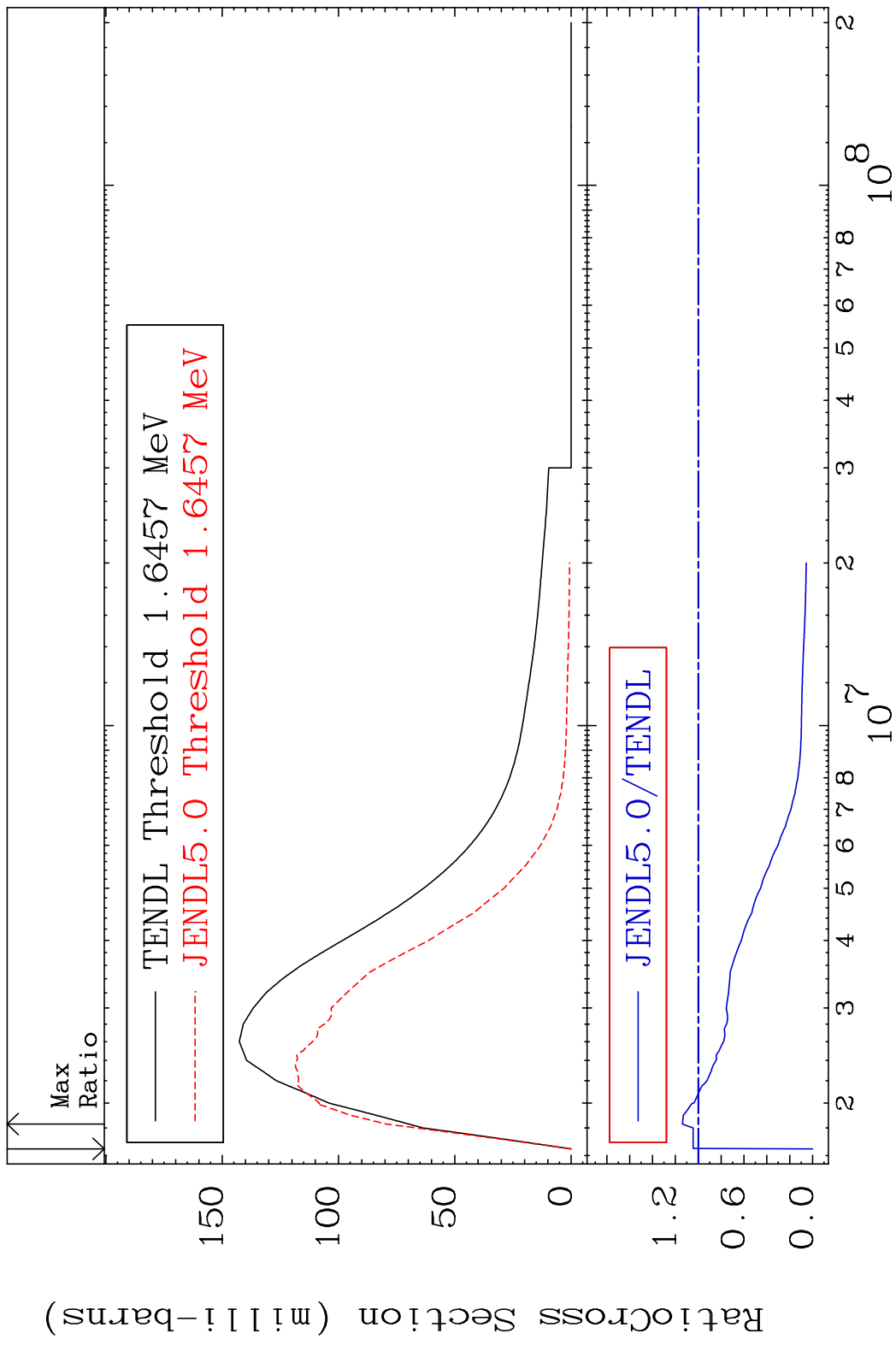


10 8 6 4 2 2 3 4 5 6 8 10⁶ 10⁷ 10⁸ 52-Te-130

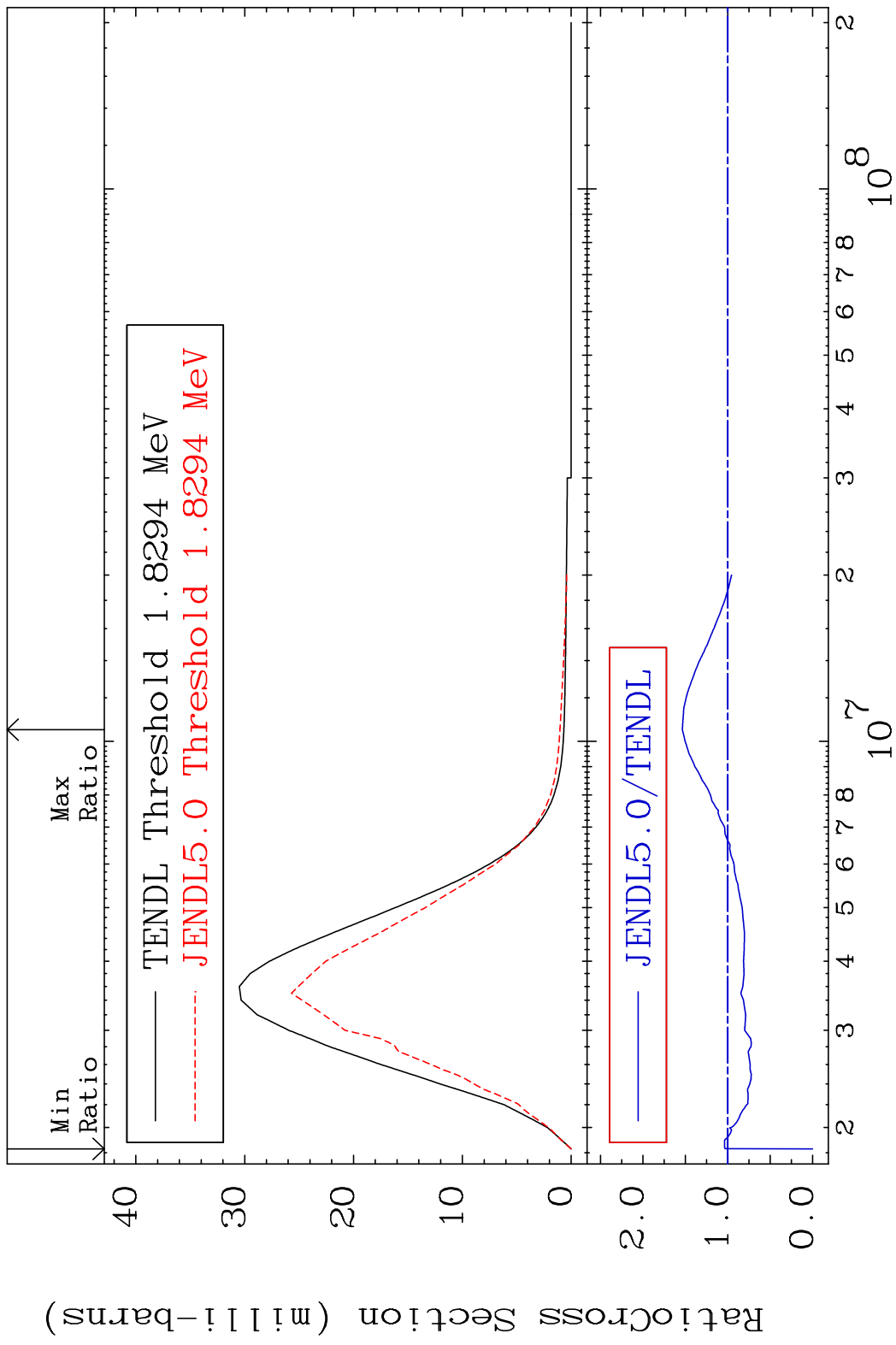
MAT 5255 MT= 52 (n, n') Level 52-Te-130
 Cross Section -100.0 To 82.69 %



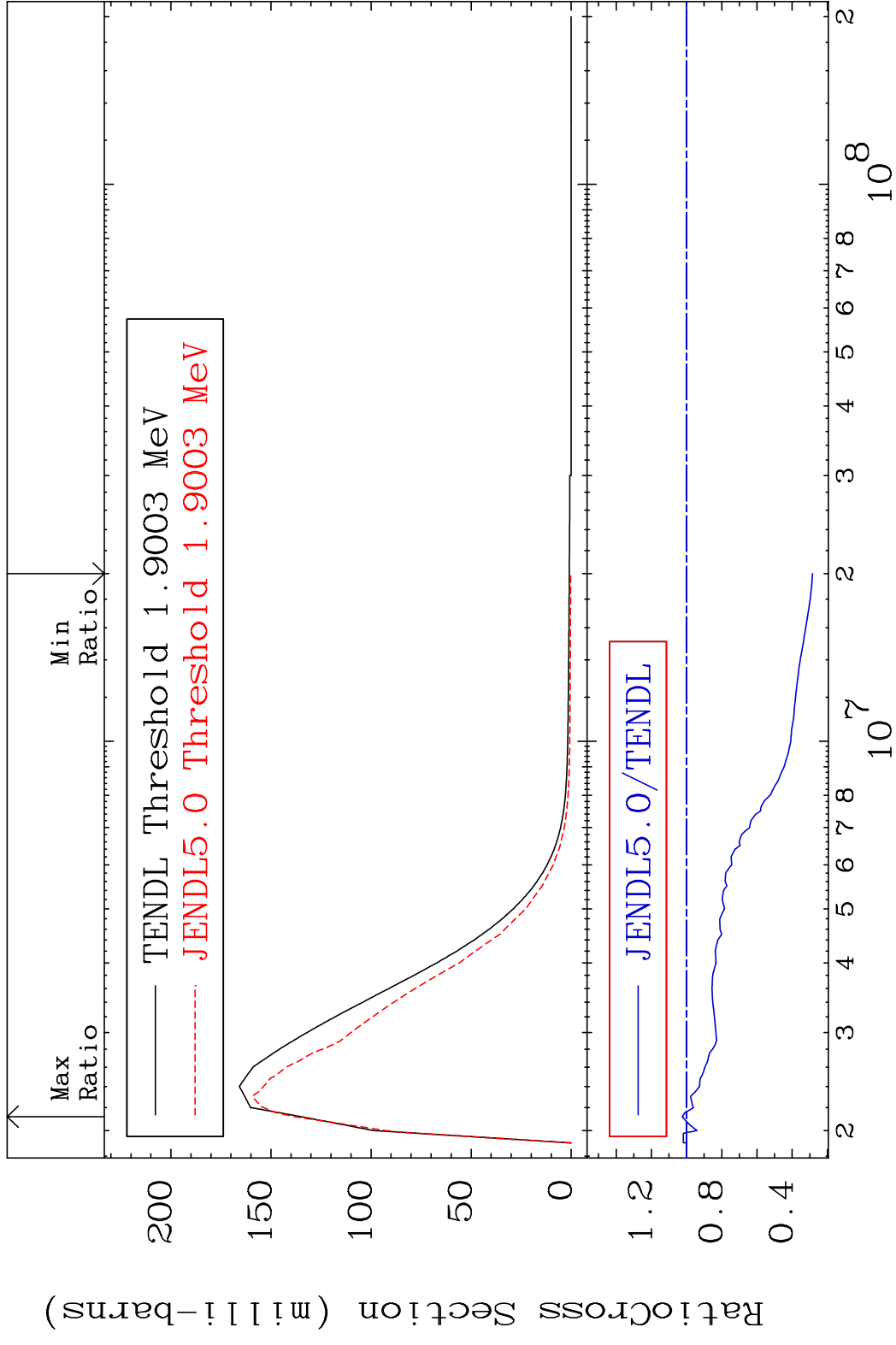
MAT 5255 MT= 53 (n, n') Level 52-Te-130
 Cross Section -100.0 To 13.90 %



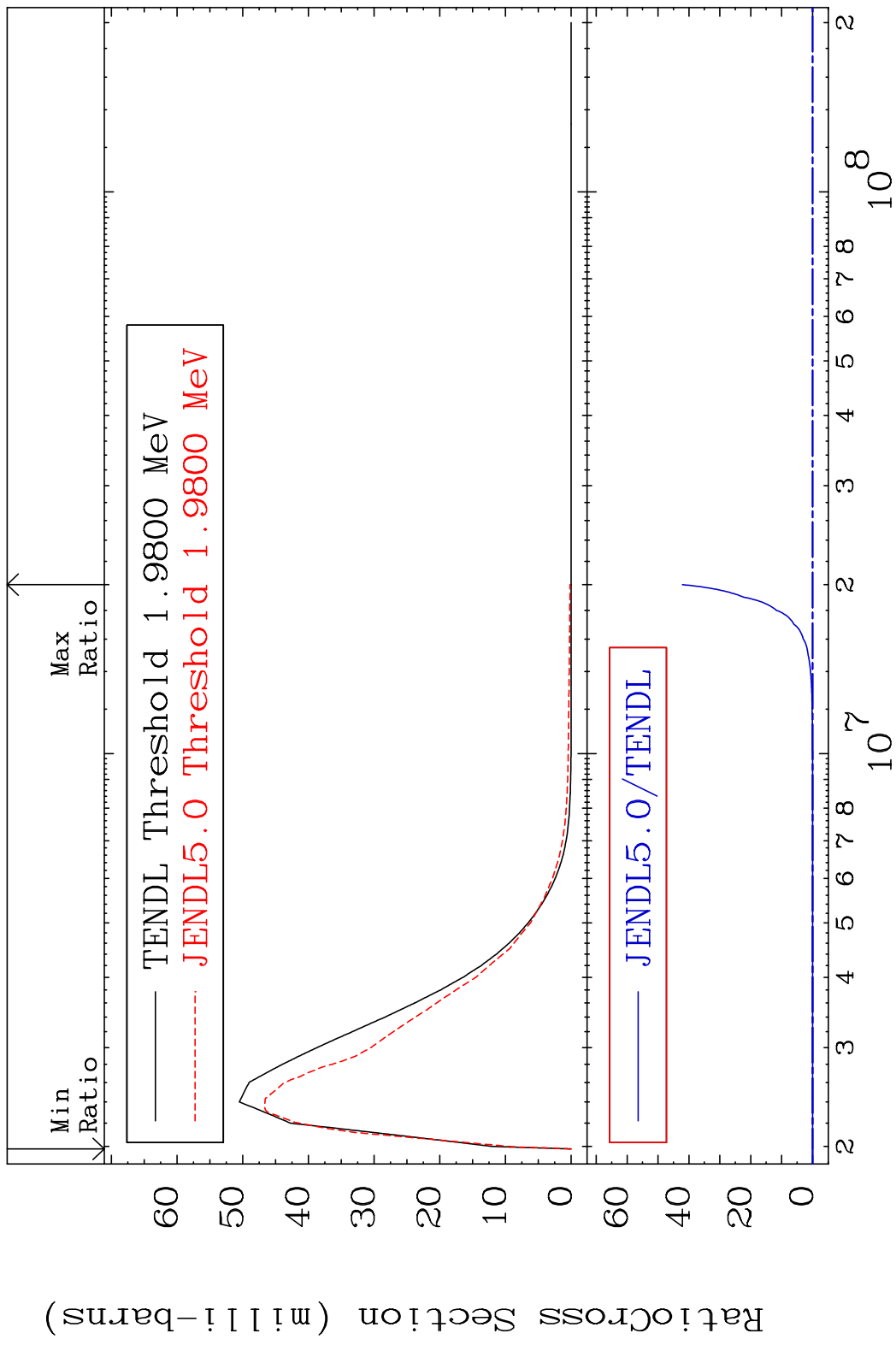
MAT 5255 MT= 54 (n,n') Level 52-Te-130
 Cross Section -100.0 To 53.53 %



MAT 5255 MT= 55 (n, n') Level 52-Te-130
 Cross Section -71.59 To 2.388 %

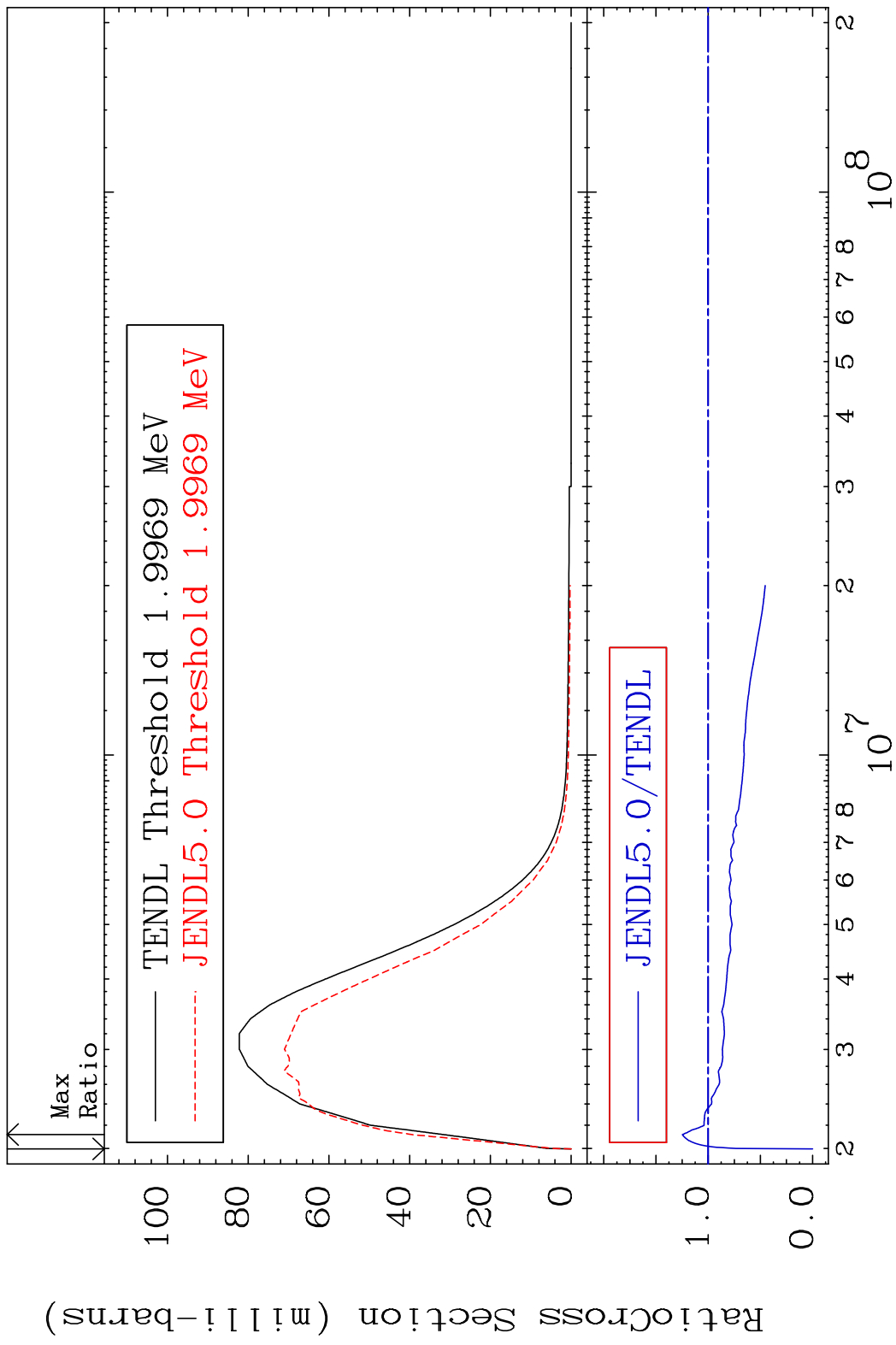


MAT 5255 MT= 56 (n, n') Level 52-Te-130
 Cross Section -100.0 To 9999. %

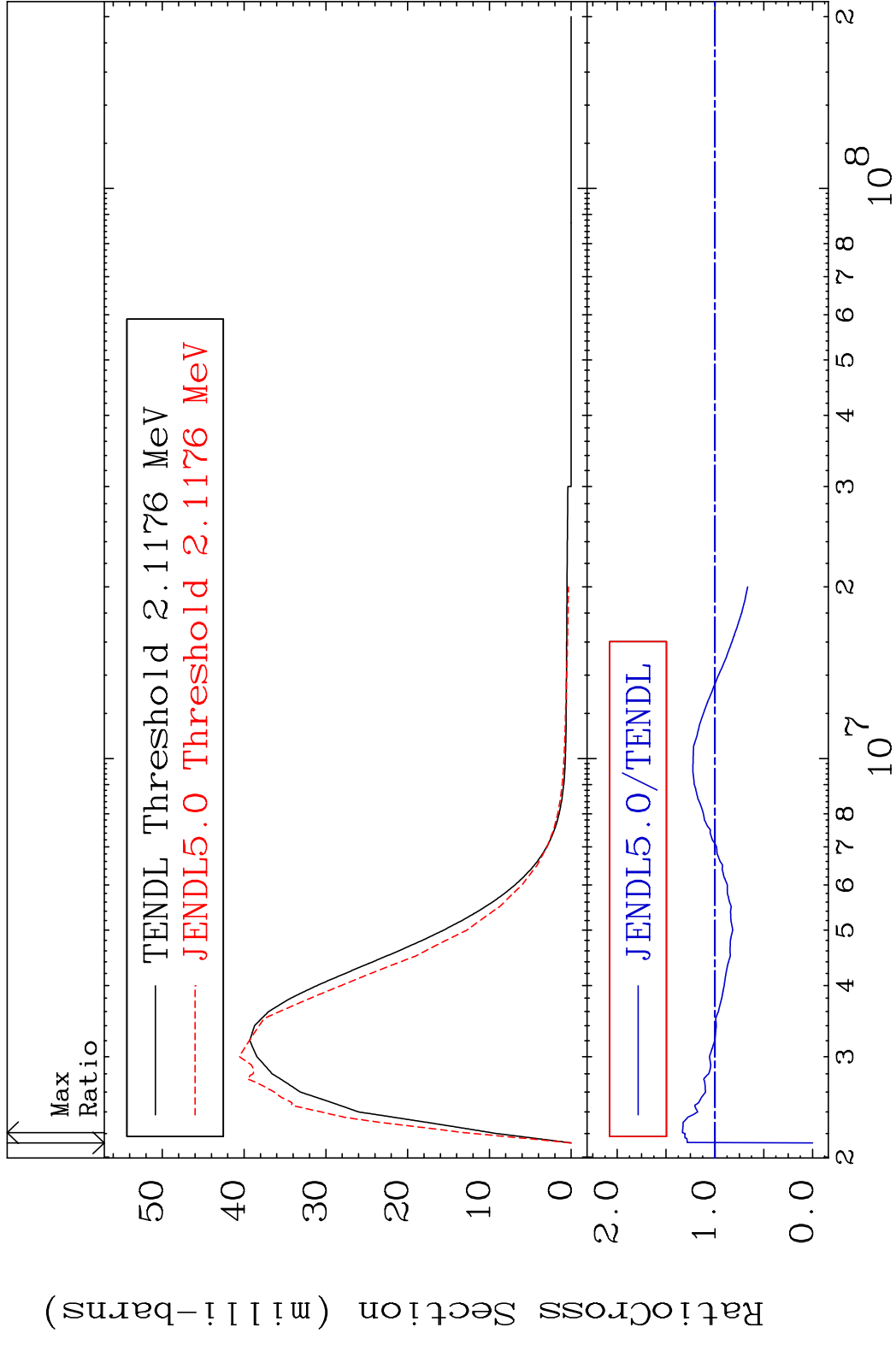


15 Incident Energy (eV) 52-Te-130

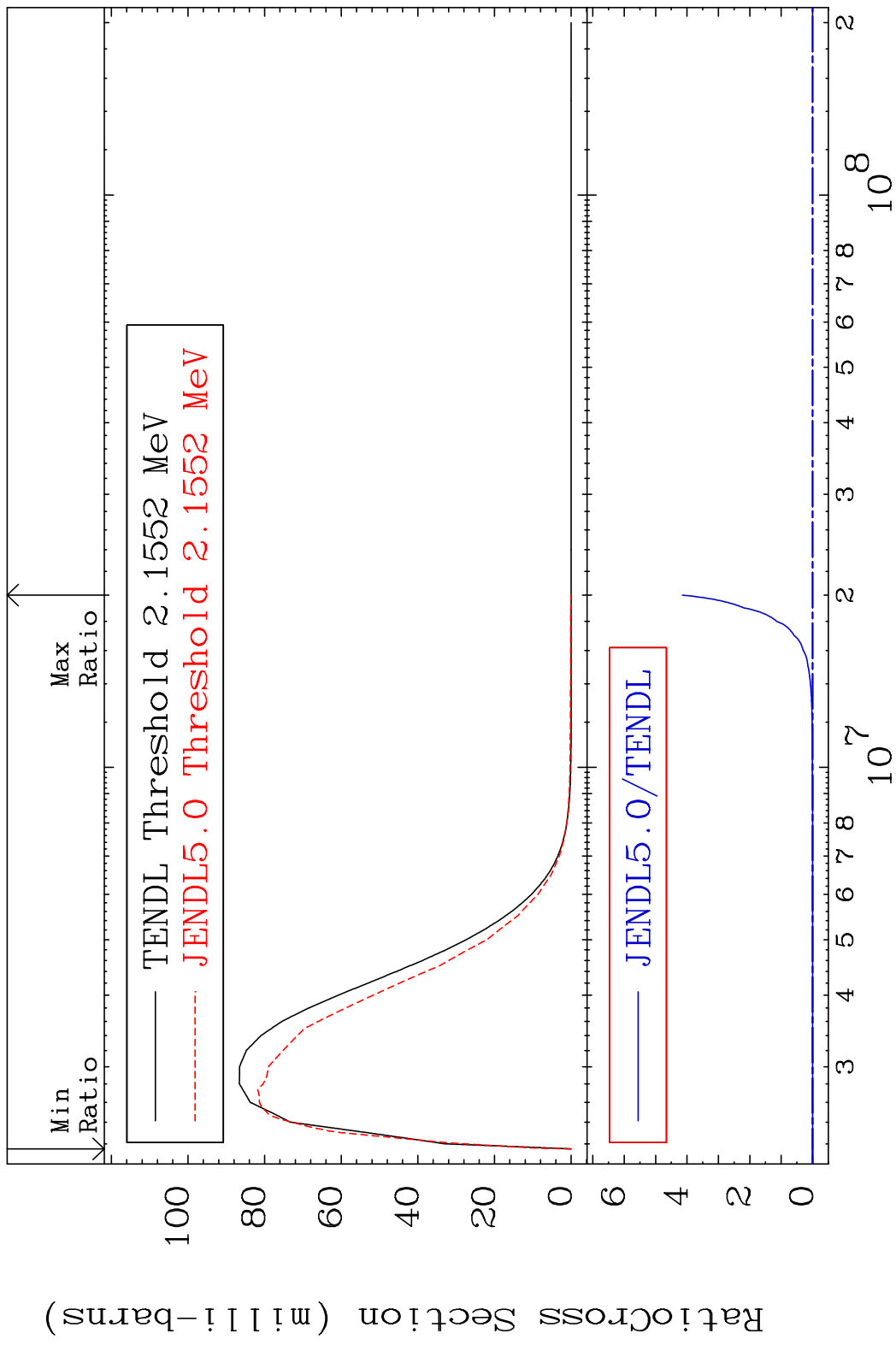
MAT 5255 MT= 57 (n,n') Level 52-Te-130
 Cross Section -100.0 To 24.74 %



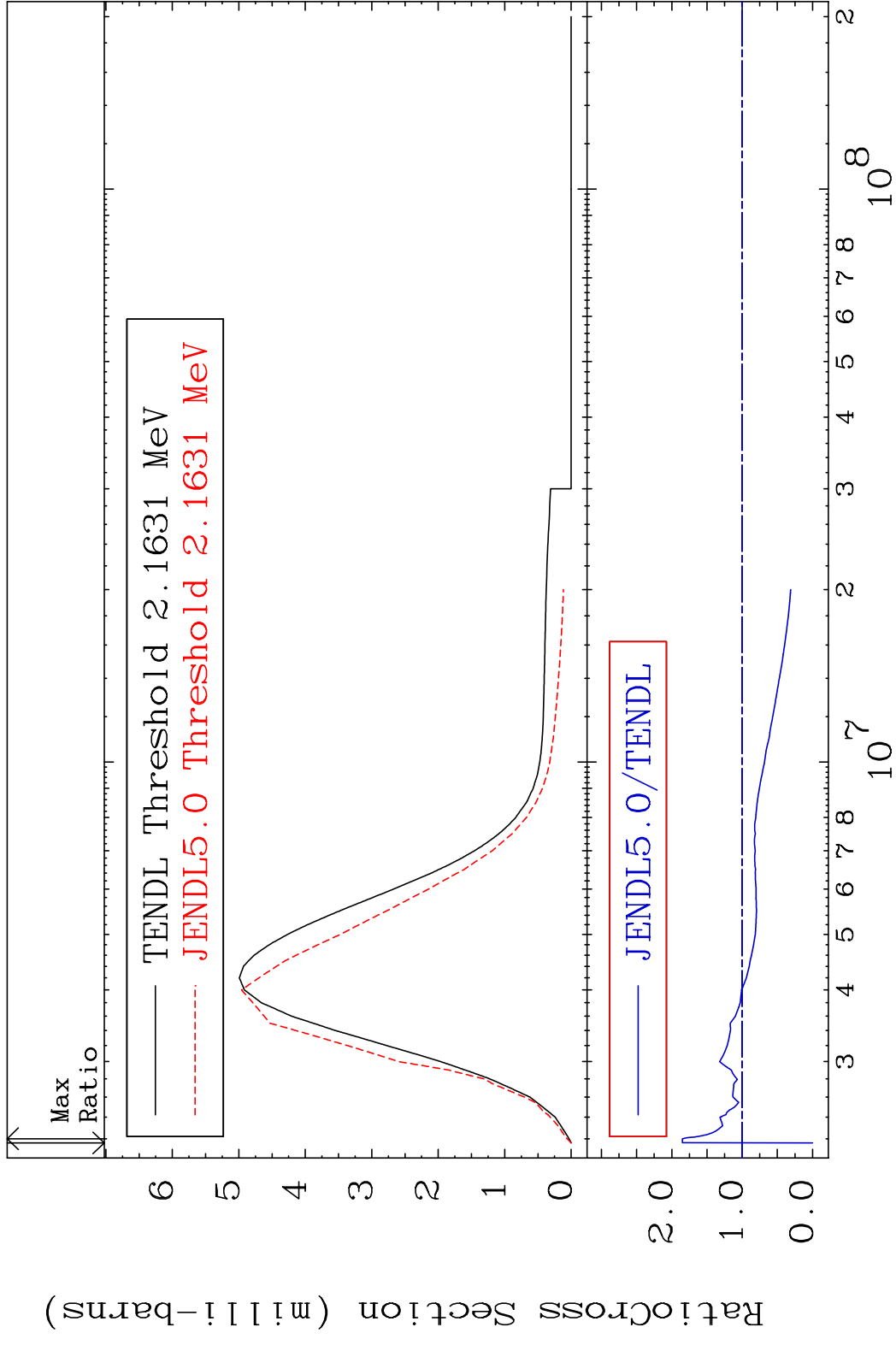
MAT 5255 MT= 58 (n,n') Level 52-Te-130
 Cross Section -100.0 To 33.31 %



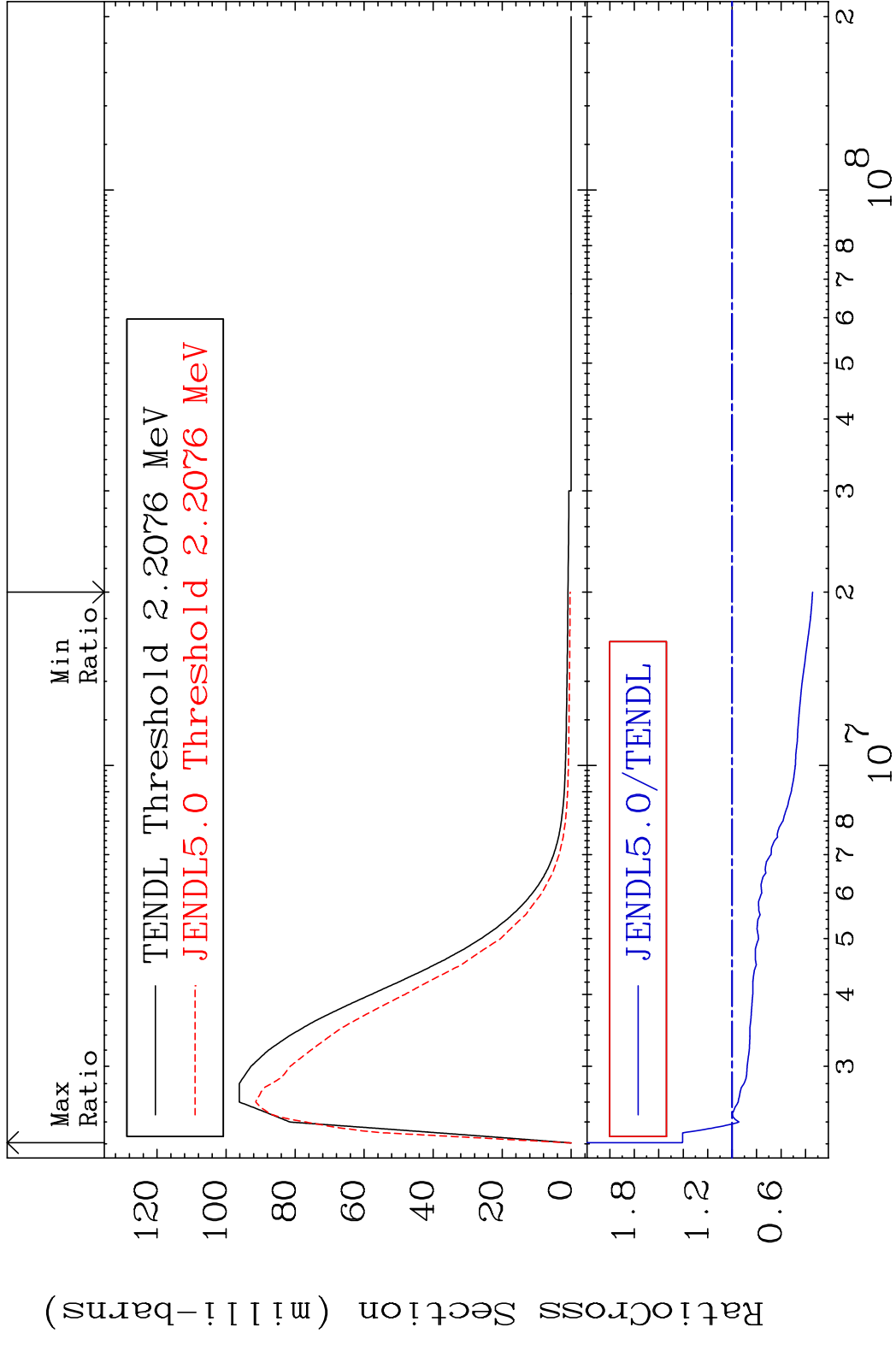
MAT 5255 MT= 59 (n, n') Level 52-Te-130
 Cross Section -100.0 To 9999. %



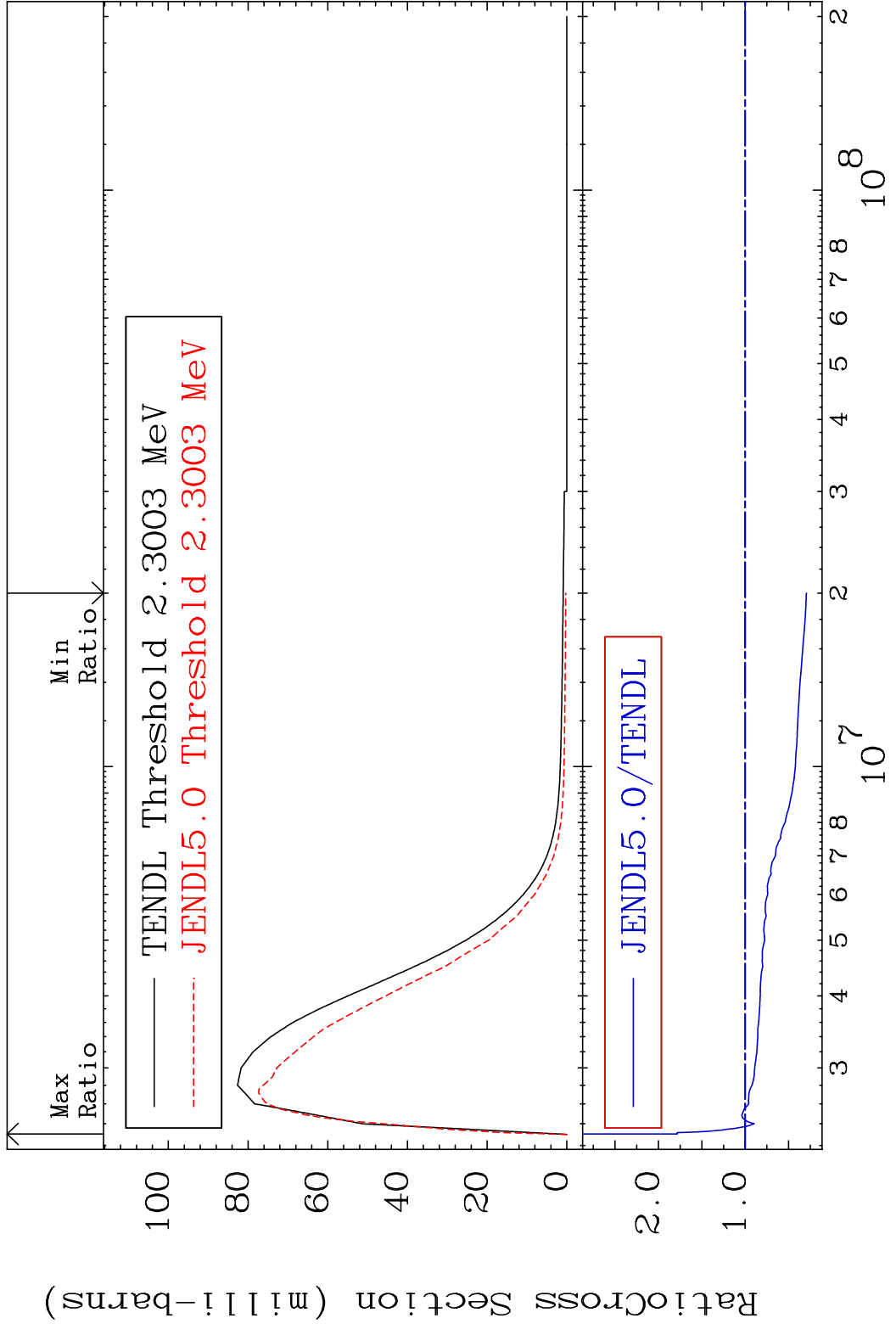
MAT 5255 MT= 60 (n,n') Level 52-Te-130
 Cross Section -100.0 To 84.99 %



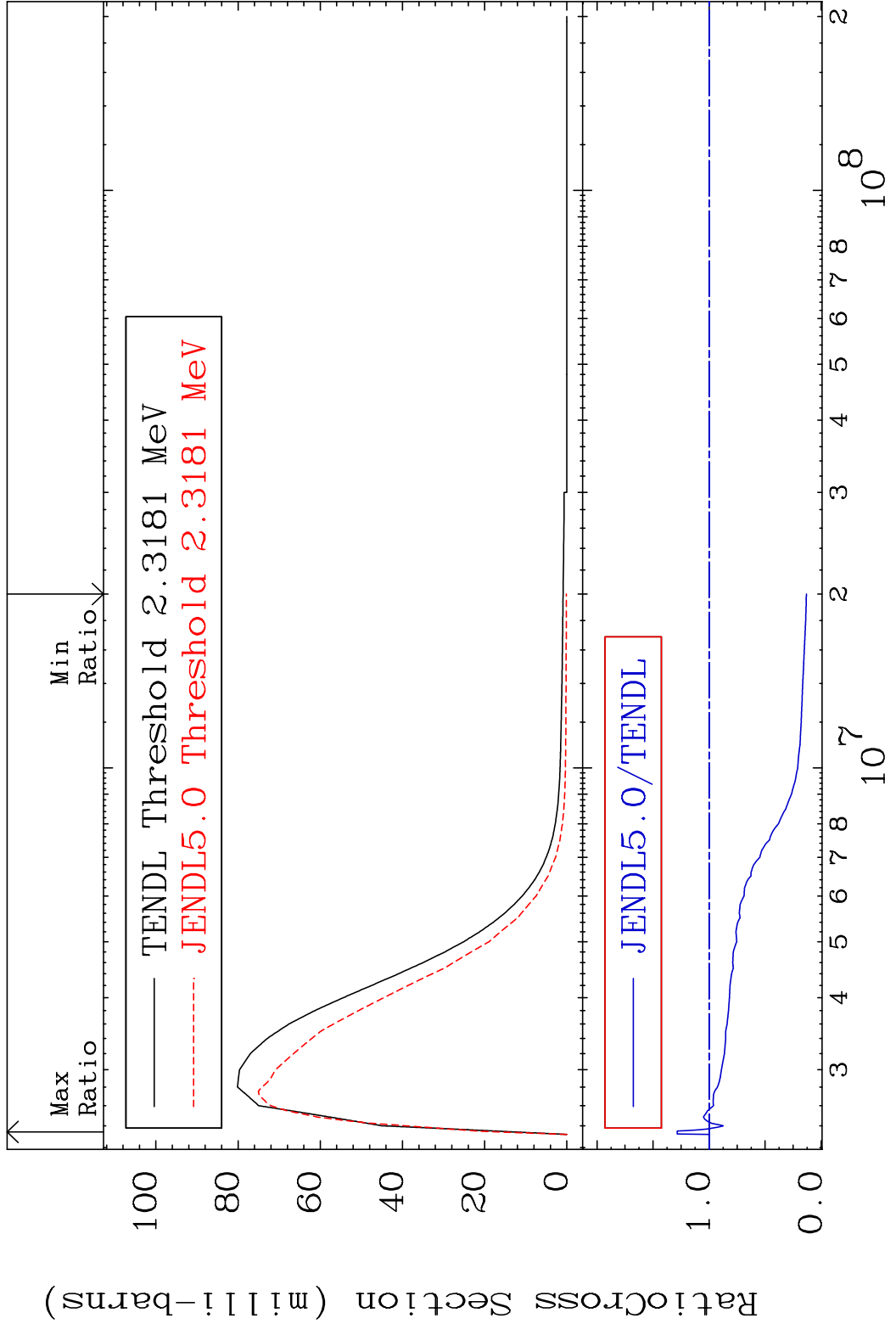
MAT 5255 MT= 61 (n, n') Level 52-Te-130
 Cross Section -65.75 To 40.71 %



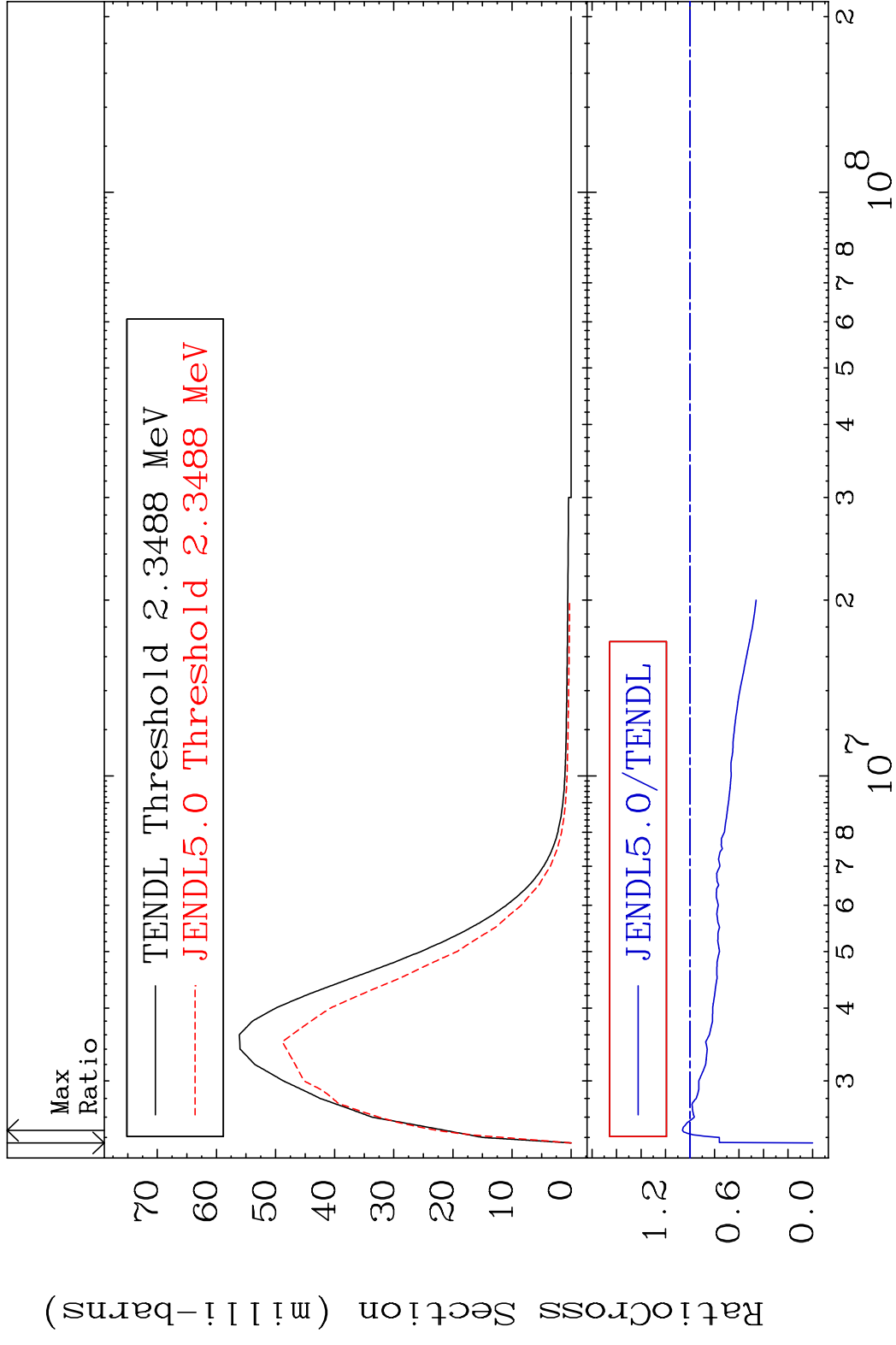
MAT 5255 MT= 62 (n,n') Level 52-Te-130
 Cross Section -70.40 To 78.30 %



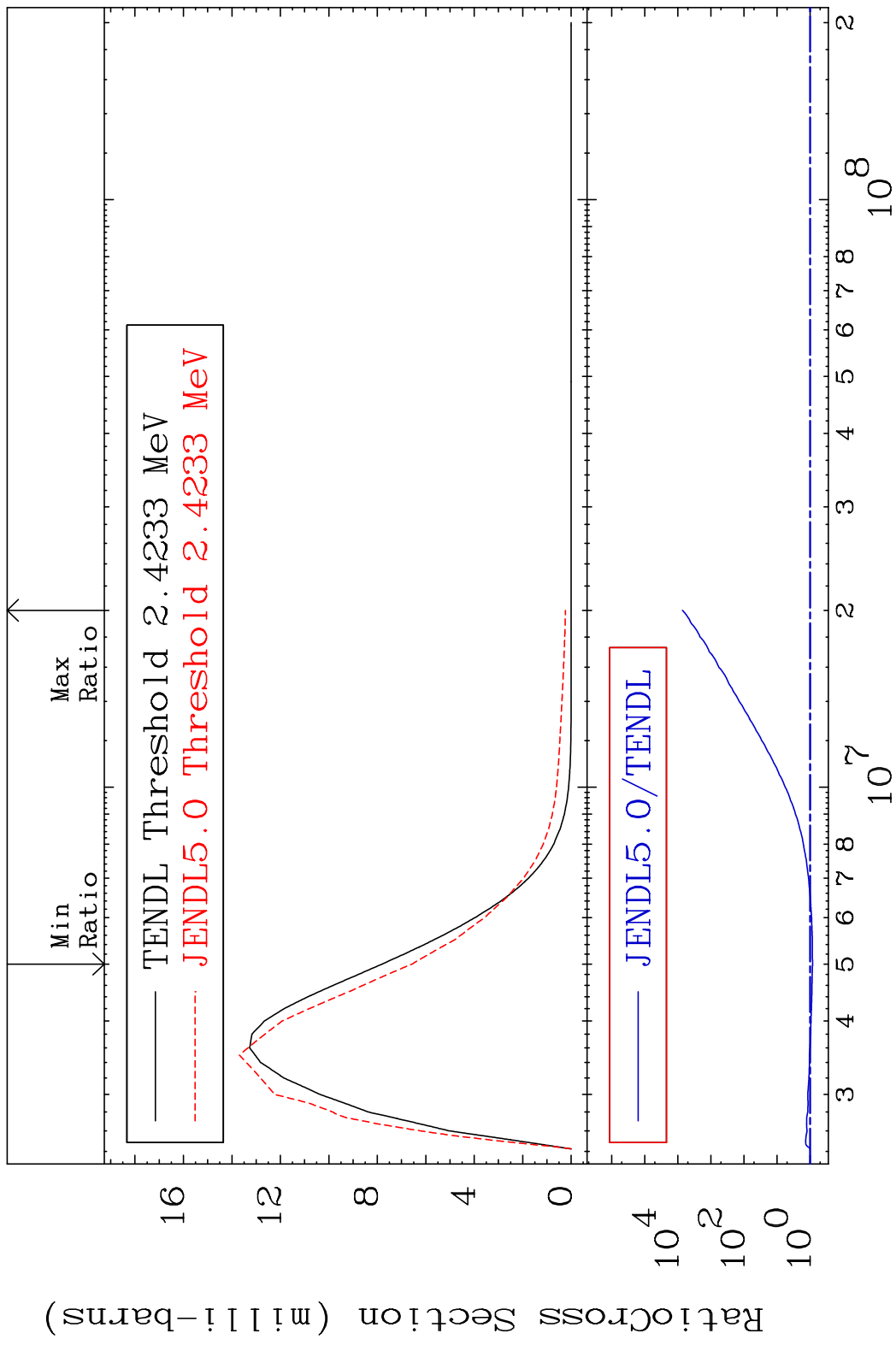
MAT 5255 MT= 63 (n, n') Level 52-Te-130
 Cross Section -86.82 To 28.48 %



MAT 5255 MT= 64 (n,n') Level 52-Te-130
 Cross Section -100.0 To 6.255 %

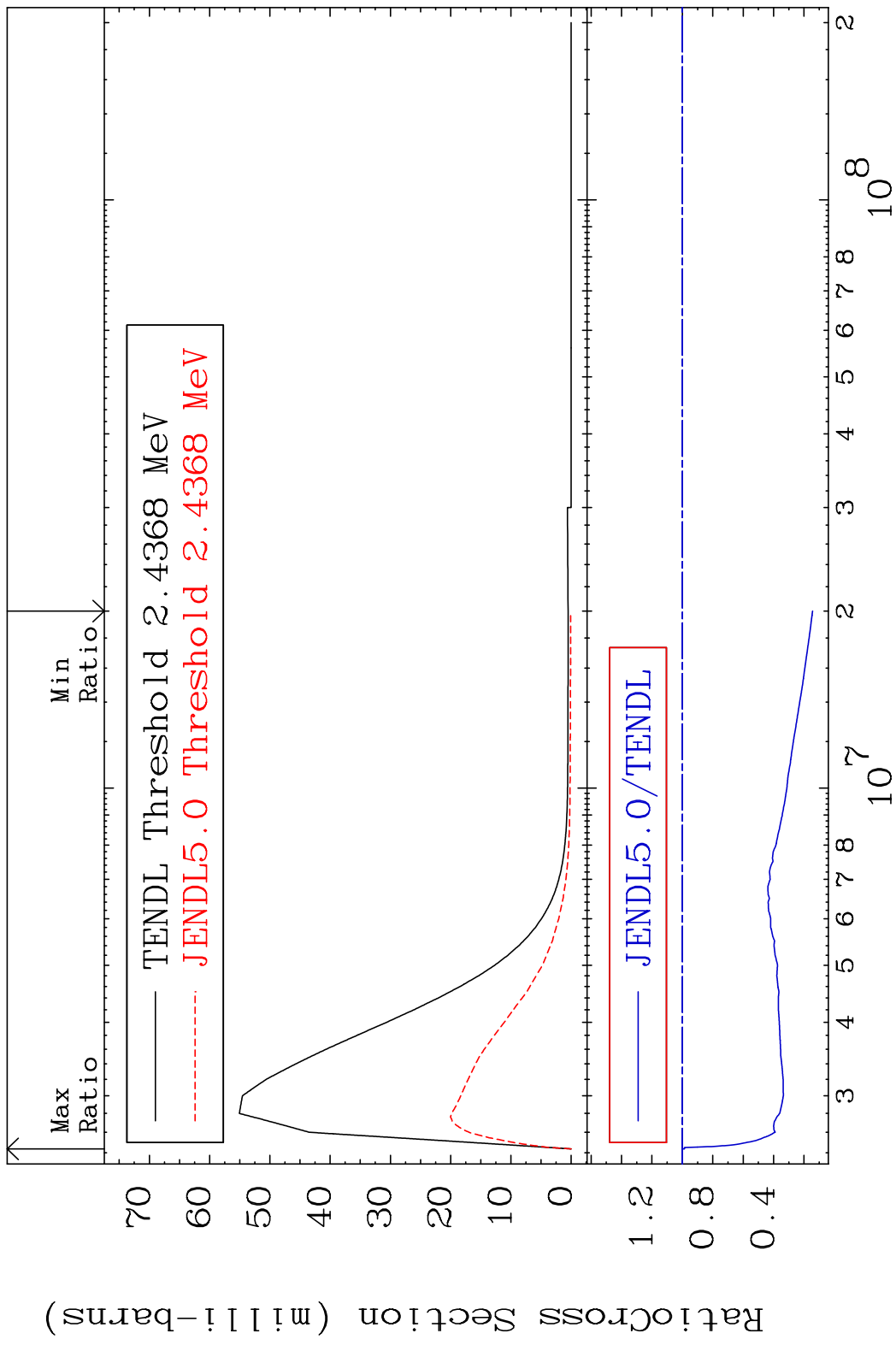


MAT 5255 MT= 65 (n, n') Level 52-Te-130
 Cross Section -15.76 To 9999. %

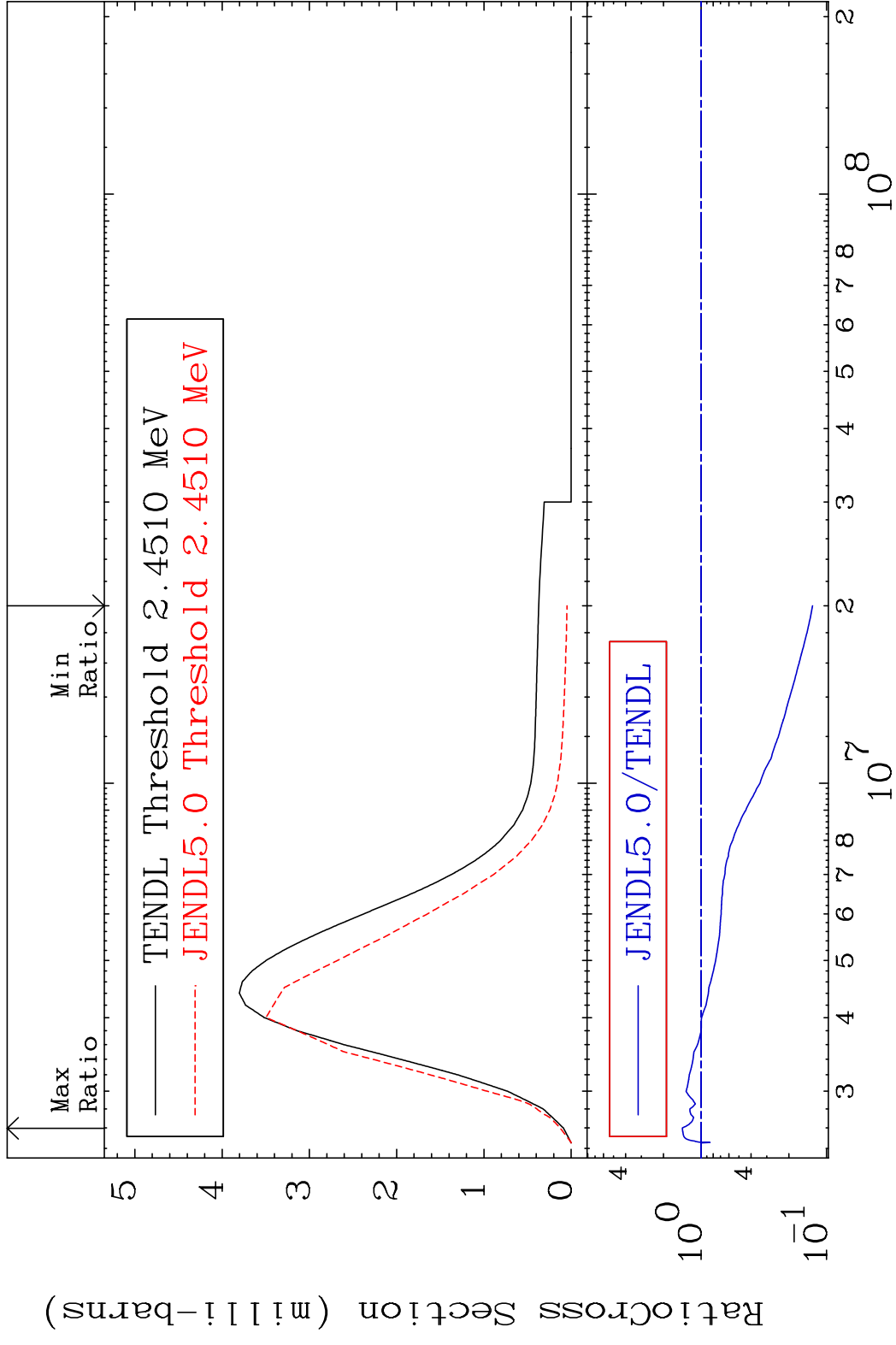


24 Incident Energy (eV) 52-Te-130

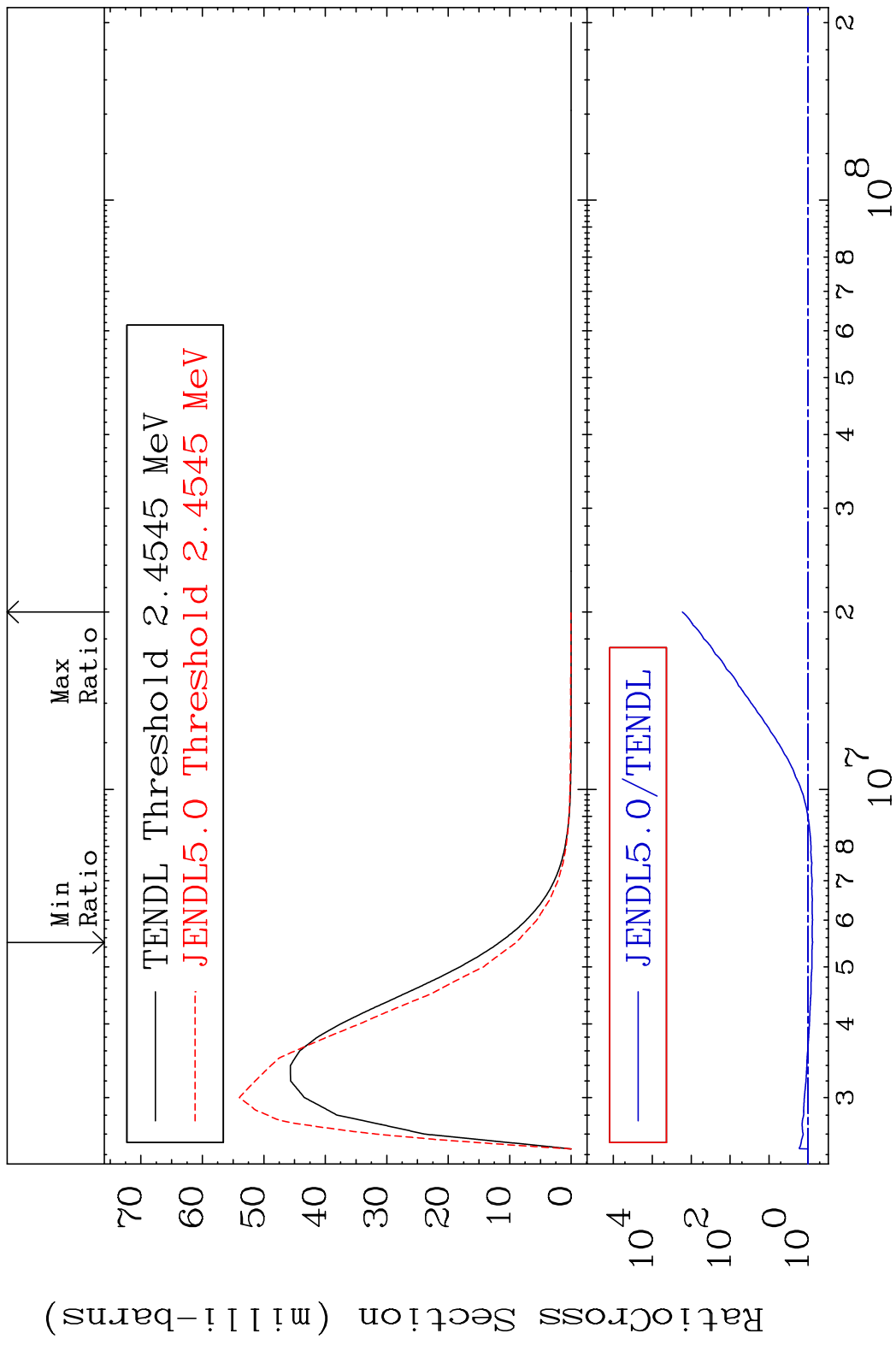
MAT 5255 MT= 66 (n,n') Level 52-Te-130
 Cross Section -85.60 To 0.000 %



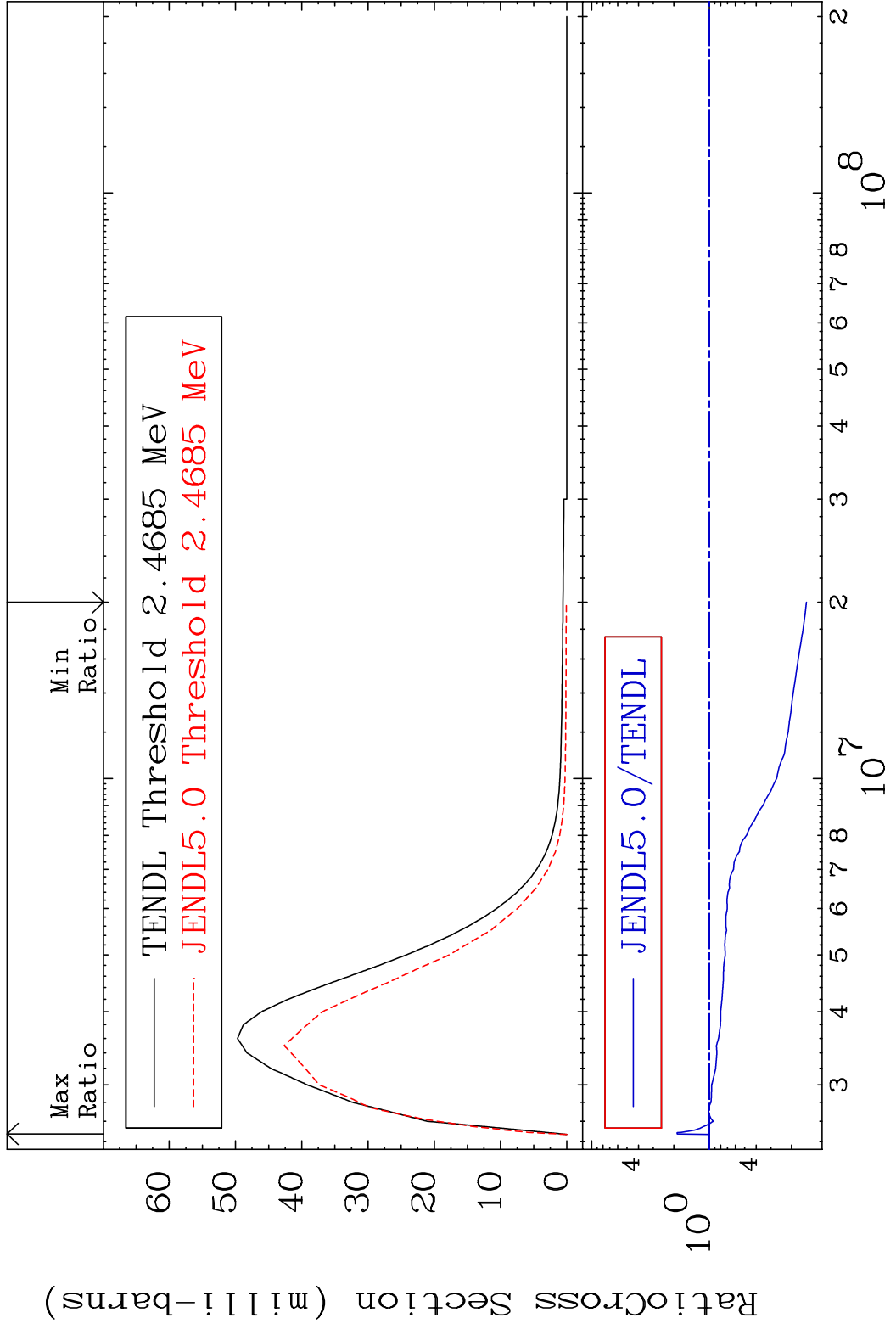
MAT 5255 MT= 67 (n,n') Level 52-Te-130
 Cross Section -87.06 To 41.15 %



MAT 5255 MT= 68 (n, n') Level 52-Te-130
 Cross Section -23.57 To 9999. %

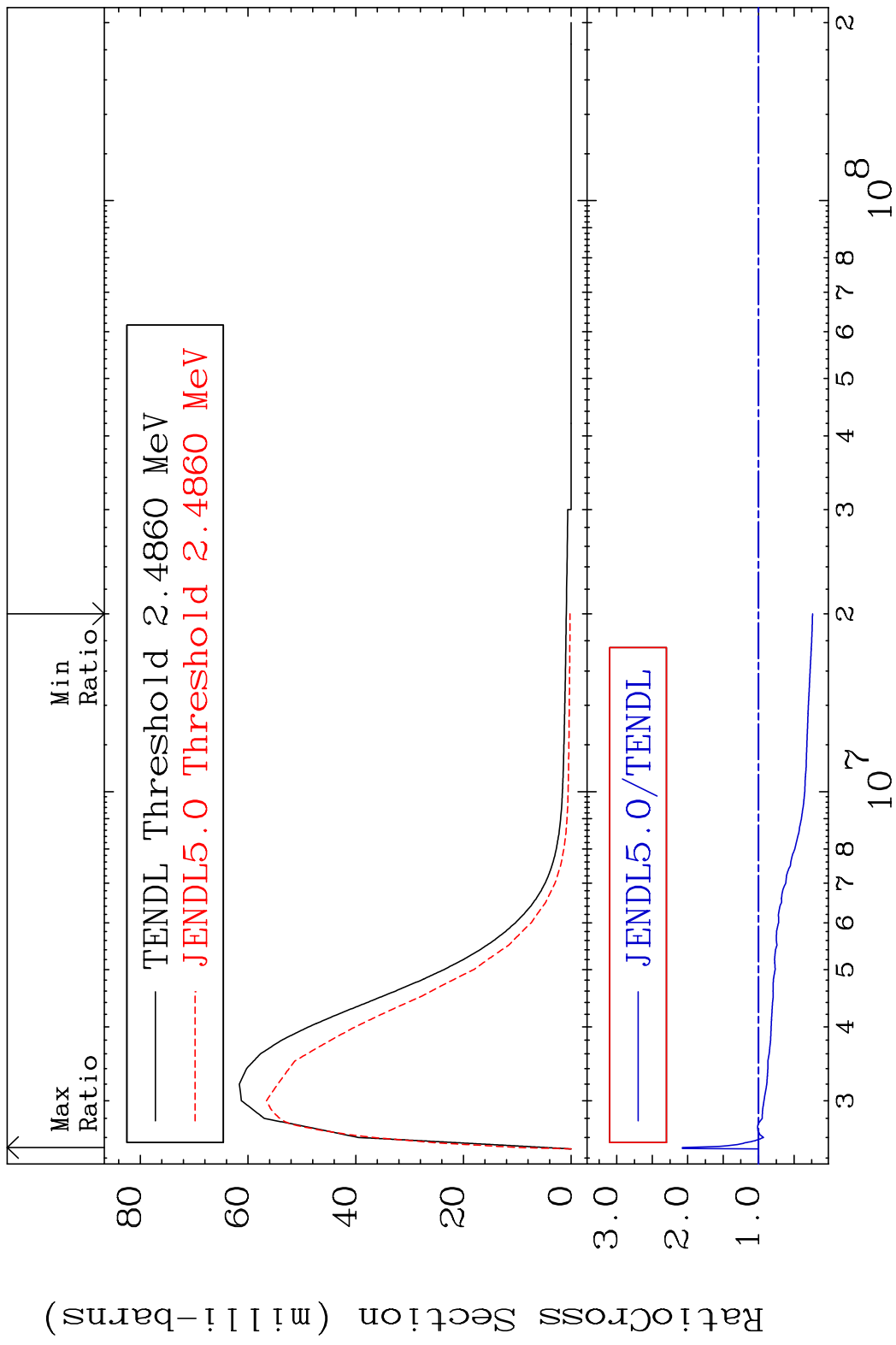


MAT 5255 MT= 69 (n,n') Level 52-Te-130
 Cross Section -85.04 To 87.54 %

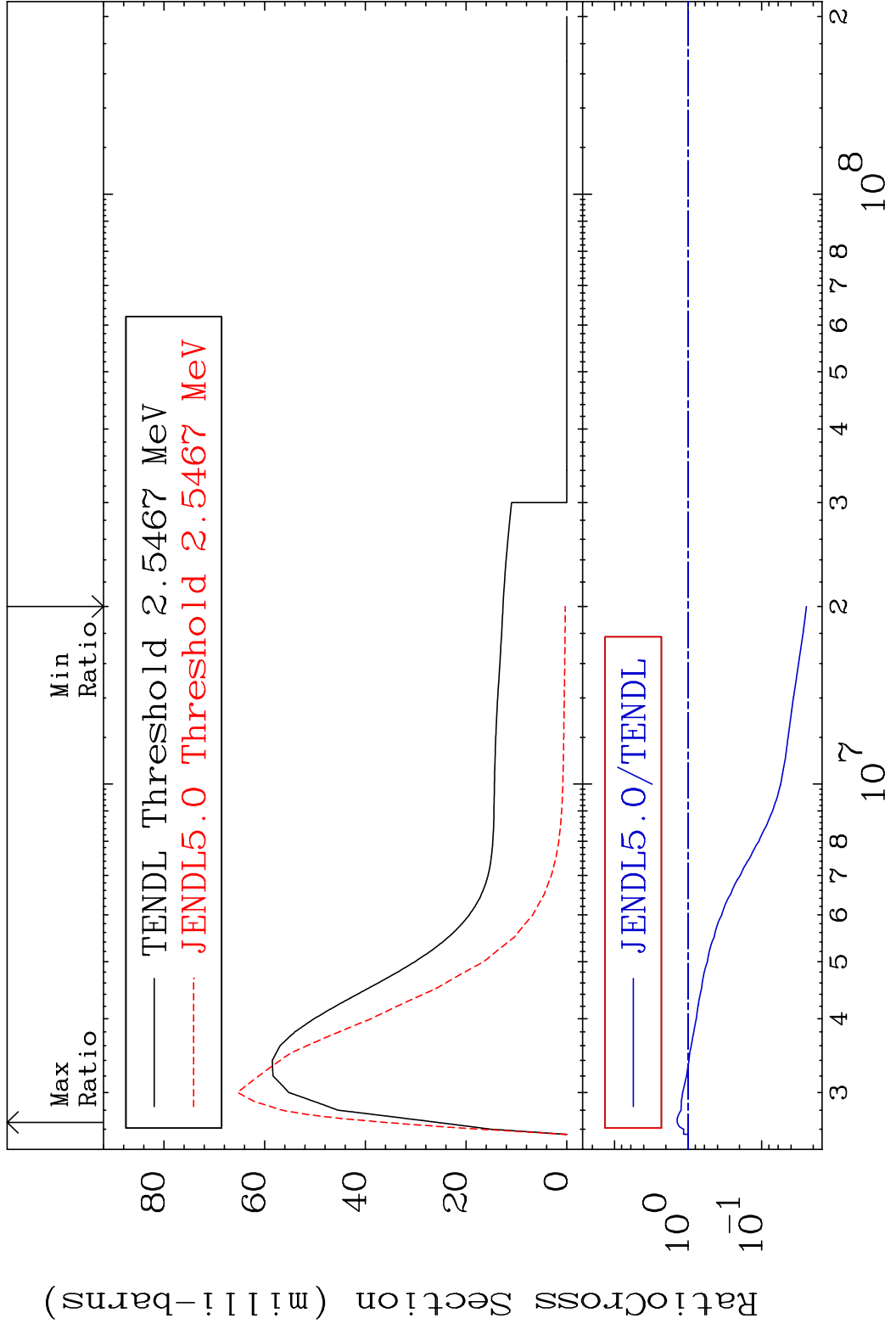


28 Incident Energy (eV) 52-Te-130

MAT 5255 MT= 70 (n,n') Level 52-Te-130
 Cross Section -76.14 To 107.5 %

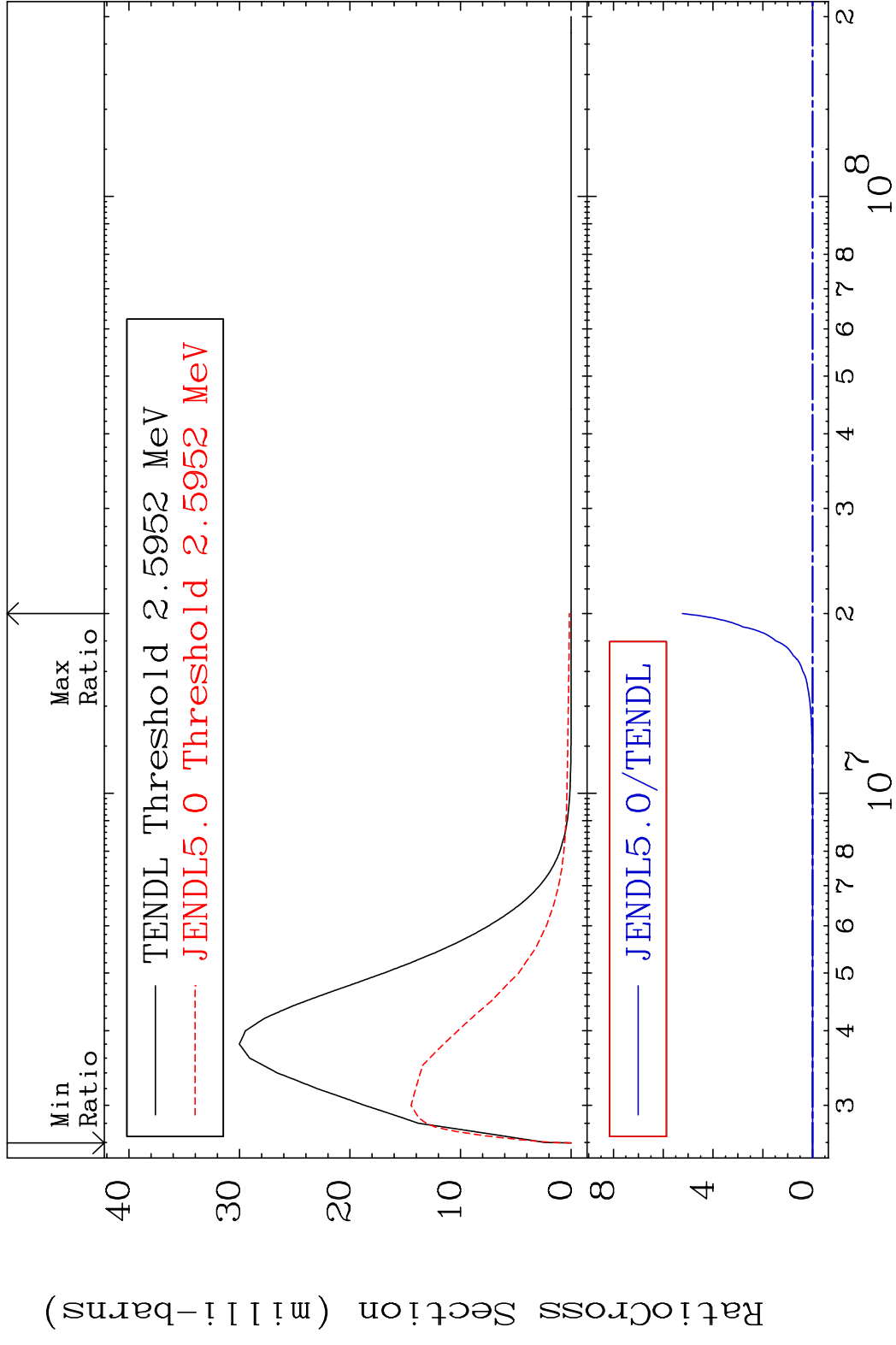


MAT 5255 MT= 71 (n,n') Level 52-Te-130
 Cross Section -97.53 To 40.68 %

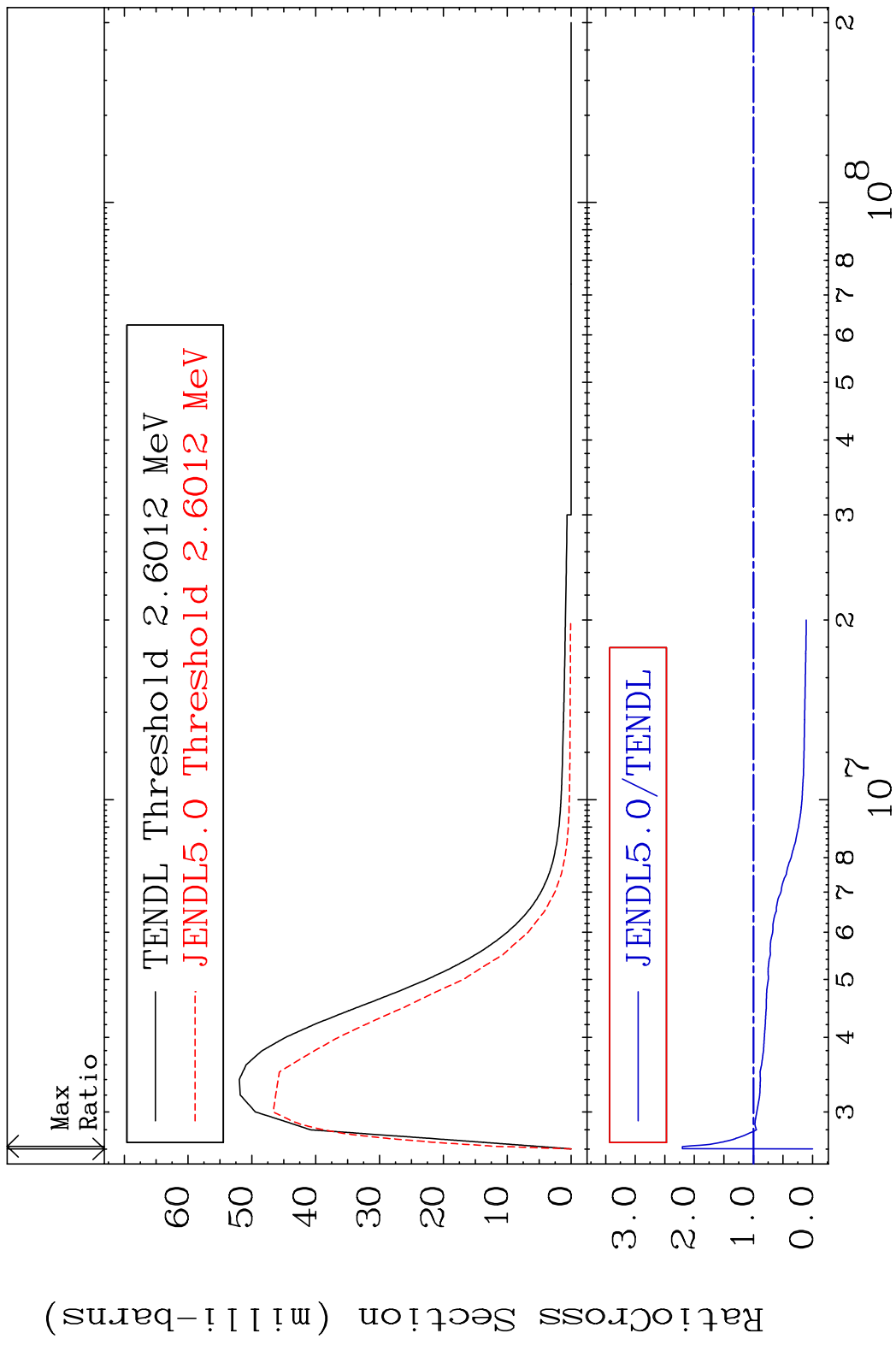


30 52-Te-130

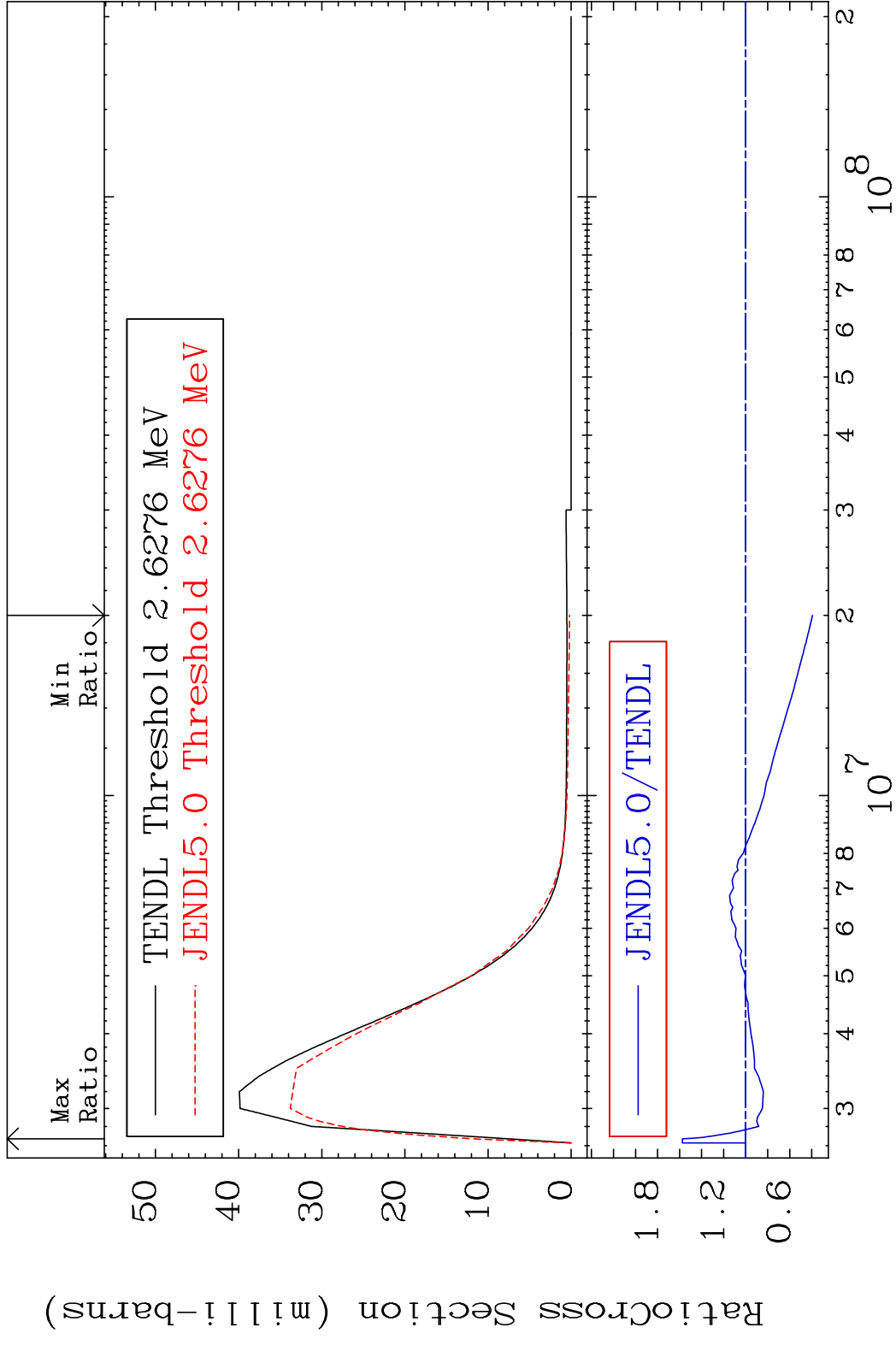
MAT 5255 MT= 72 (n, n') Level 52-Te-130
 Cross Section -100.0 To 9999. %



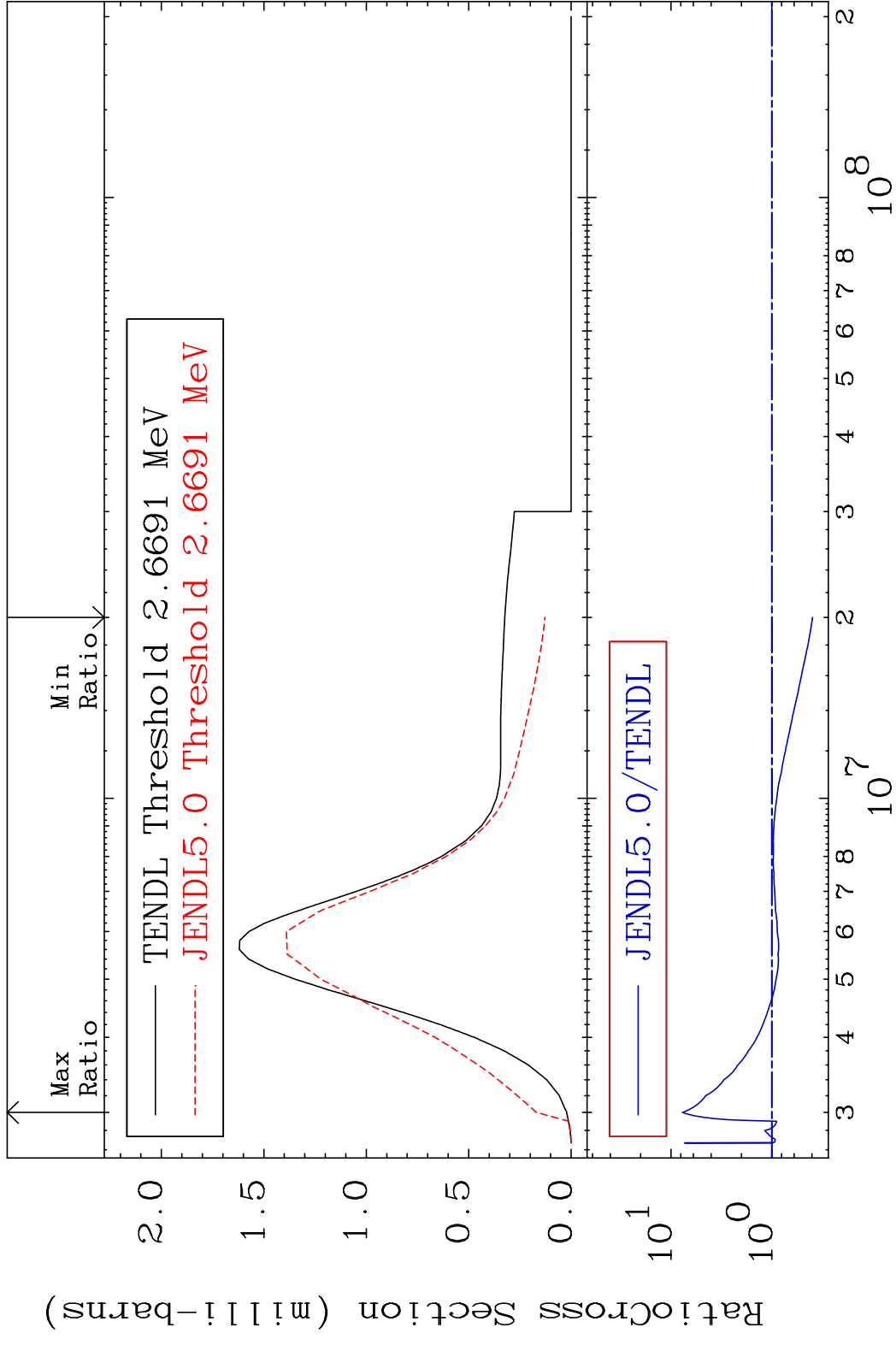
MAT 5255 MT= 73 (n, n') Level 52-Te-130
 Cross Section -100.0 To 120.3 %



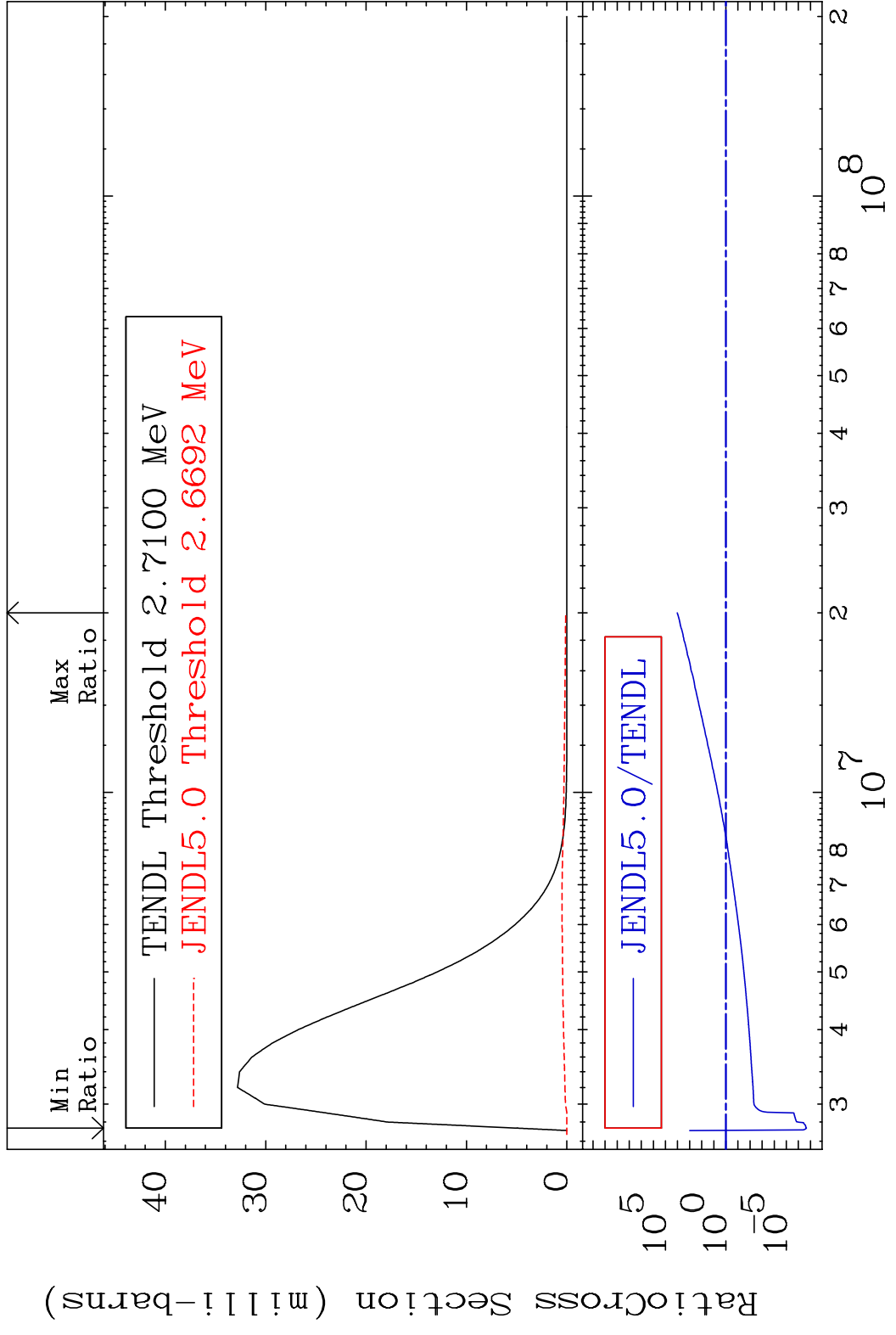
MAT 5255 MT= 74 (n,n') Level 52-Te-130
 Cross Section -60.76 To 57.49 %



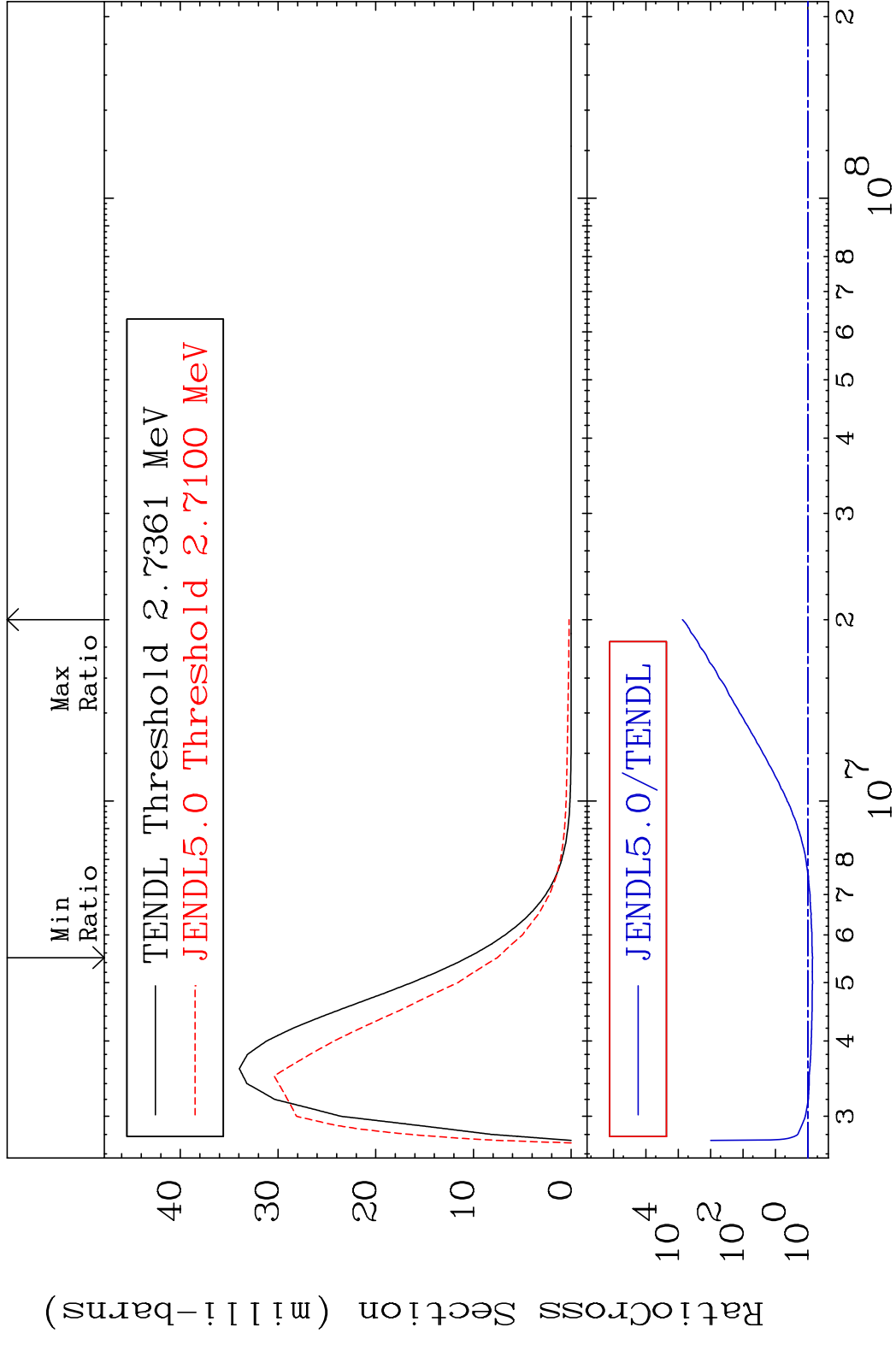
MAT 5255 MT= 75 (n,n') Level 52-Te-130
 Cross Section -60.60 To 671.4 %



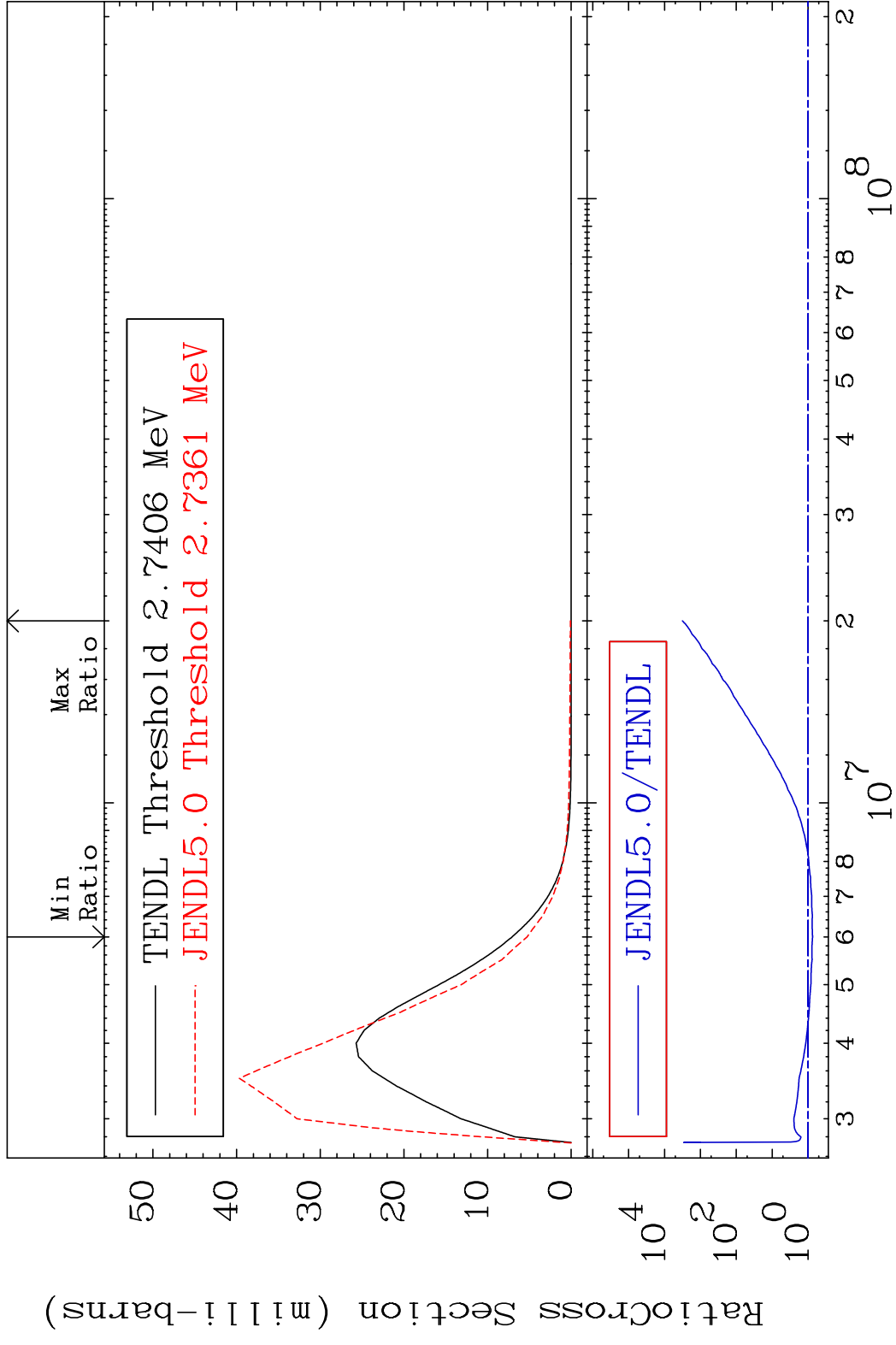
MAT 5255 MT= 76 (n,n') Level 52-Te-130
 Cross Section -100.0 To 9999. %



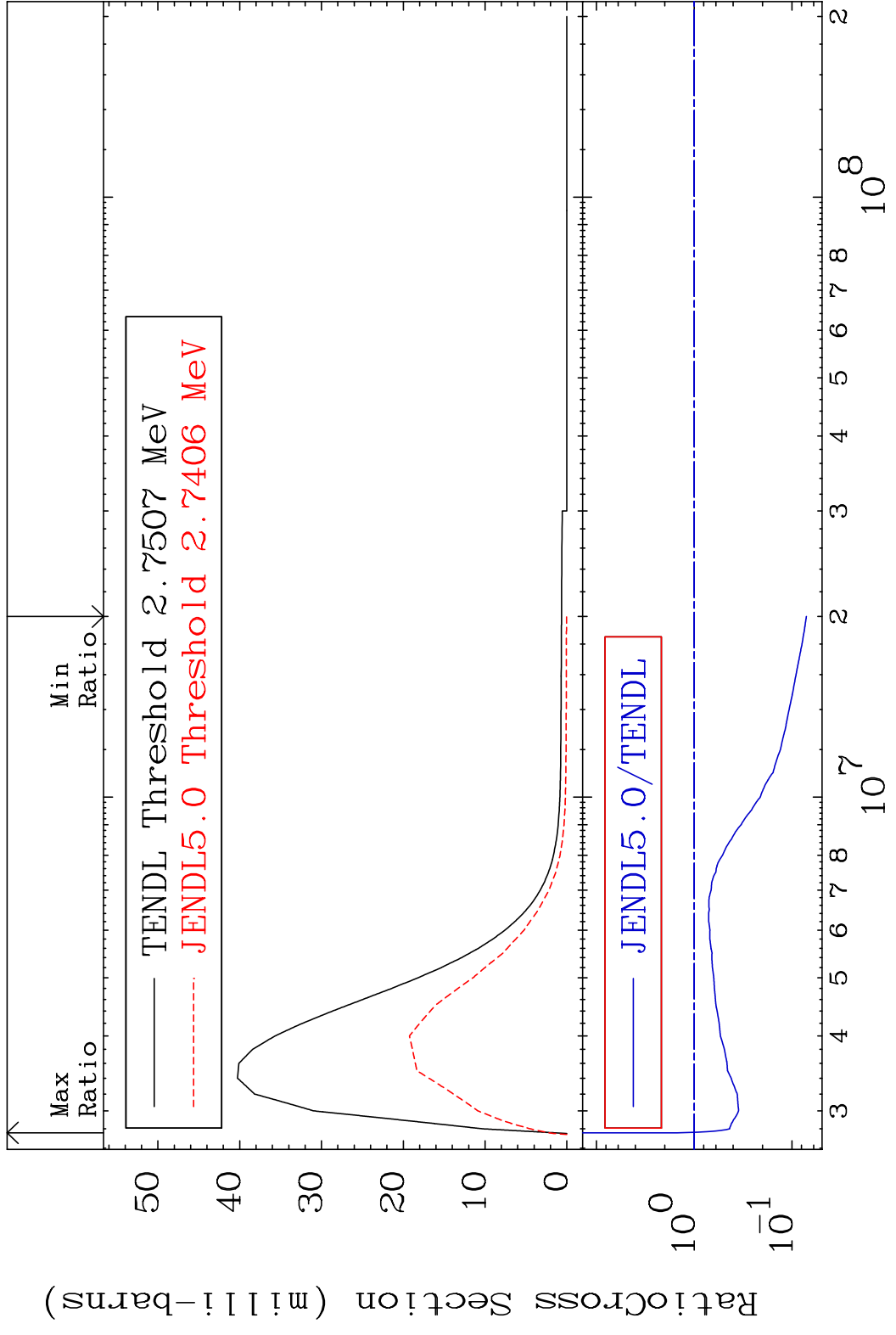
MAT 5255 MT= 77 (n, n') Level 52-Te-130
 Cross Section -29.04 To 9999. %



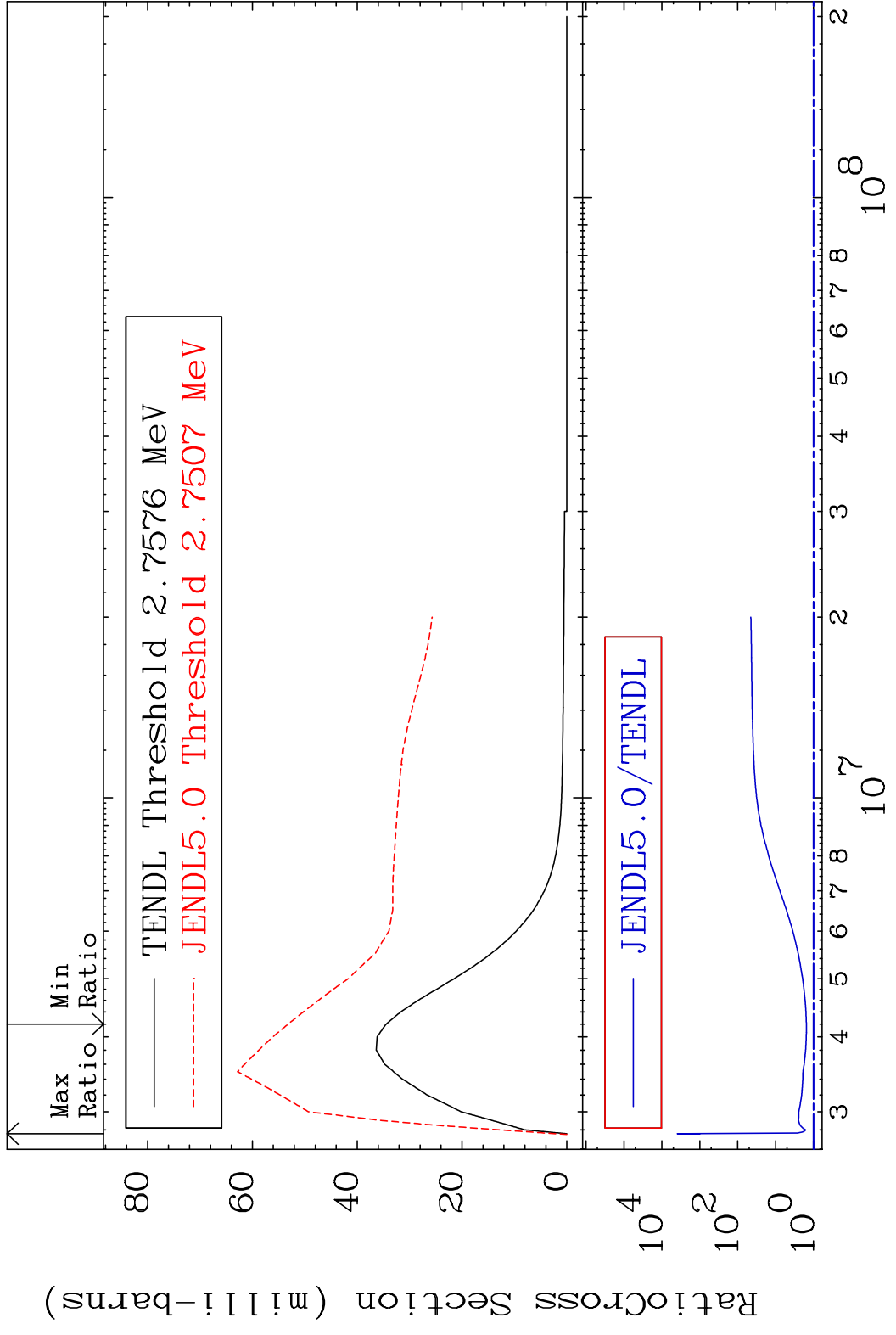
MAT 5255 MT= 78 (n, n') Level 52-Te-130
 Cross Section -25.22 To 9999. %



MAT 5255 MT= 79 (n,n') Level 52-Te-130
 Cross Section -92.87 To 49.23 %



MAT 5255 MT= 80 (n,n') Level 52-Te-130
 Cross Section 54.15 To 9999. %



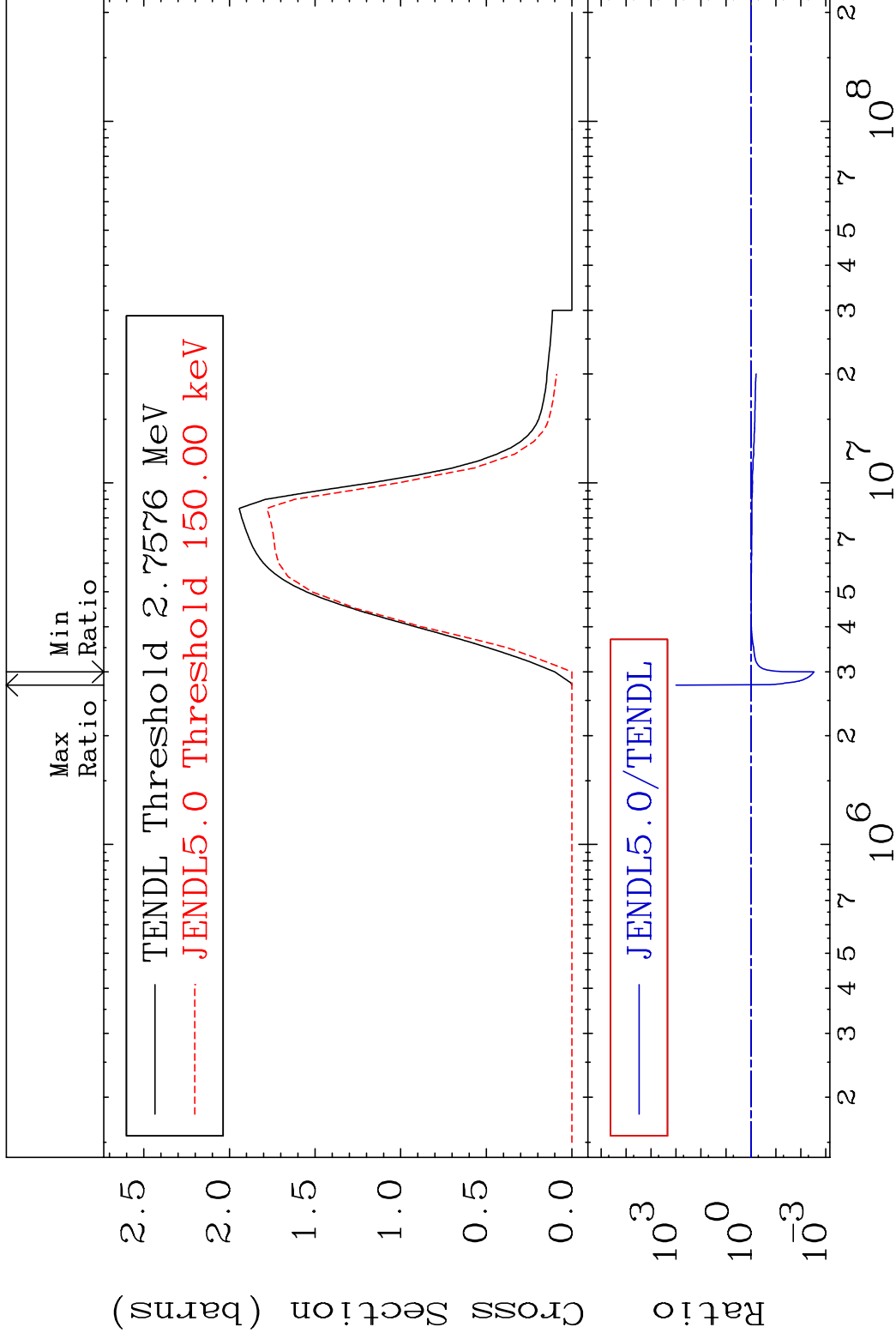
39 Incident Energy (eV) 52-Te-130

MAT 5255

(n, n') Continuum

52-Te-130

Cross Section -99.71 To 9999. %



40

Incident Energy (eV)

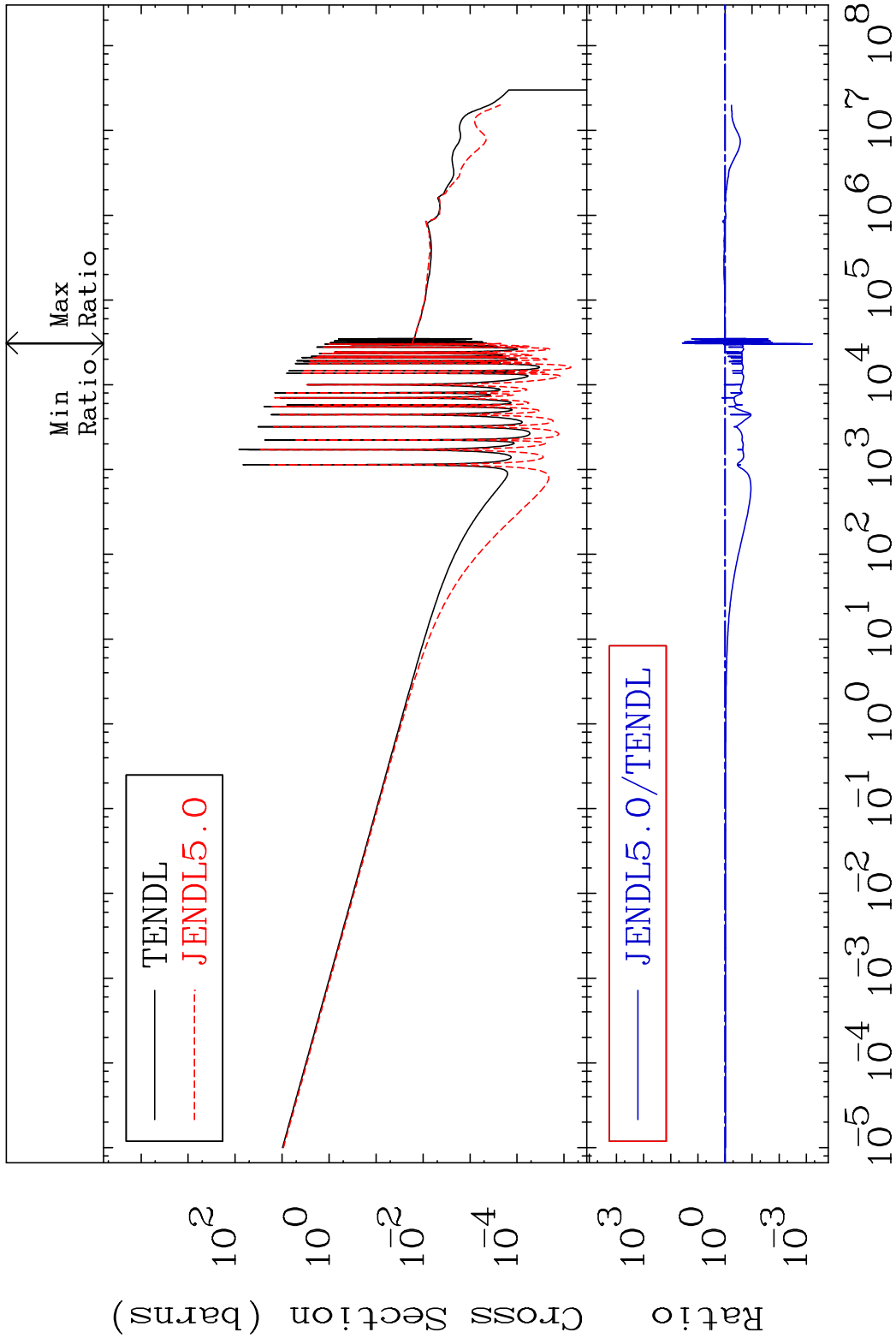
52-Te-130

MAT 5255

(n, γ)

52-Te-130

Cross Section -99.94 To 3698. %



41

Incident Energy (eV)

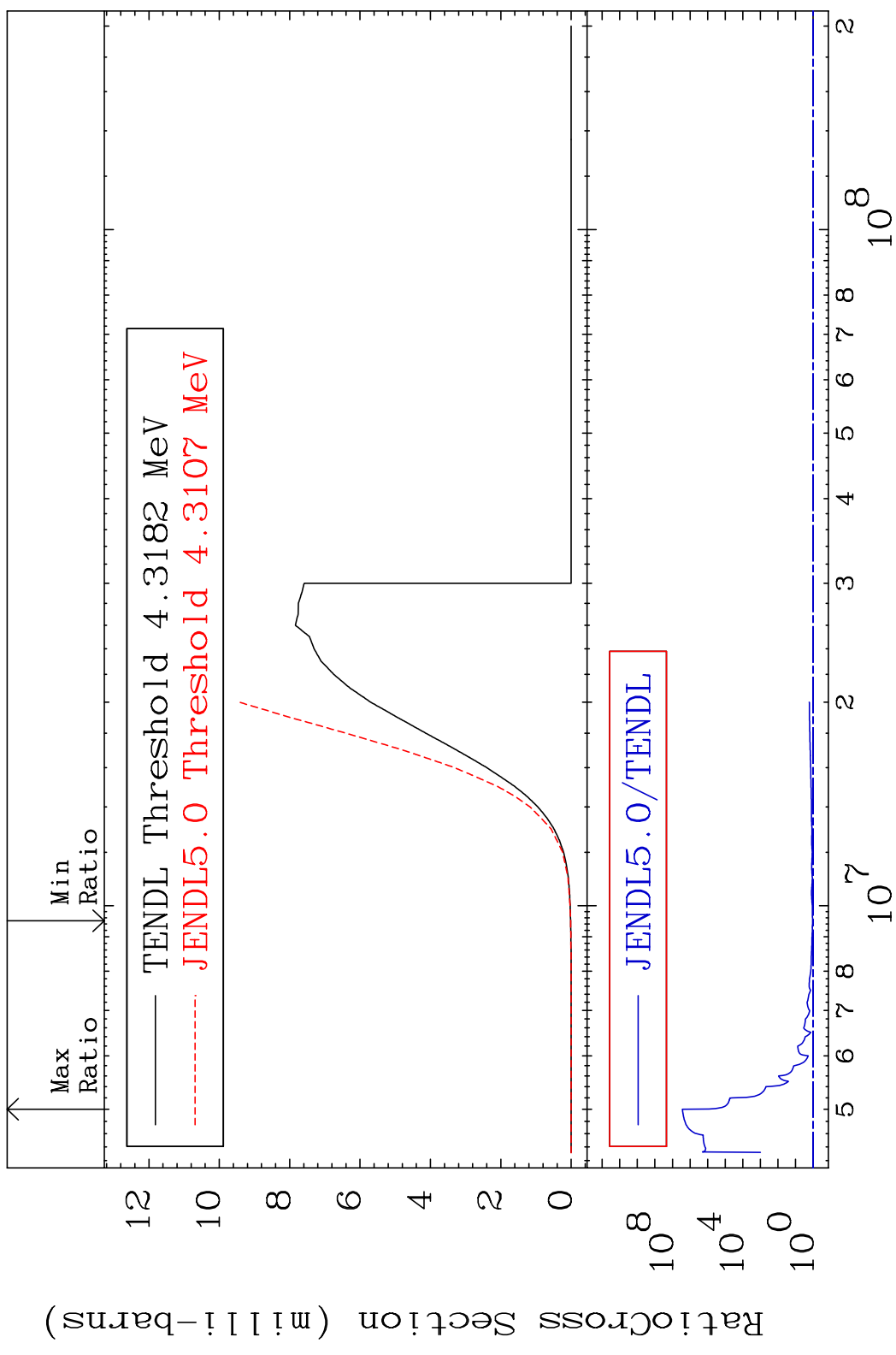
52-Te-130

MAT 5255

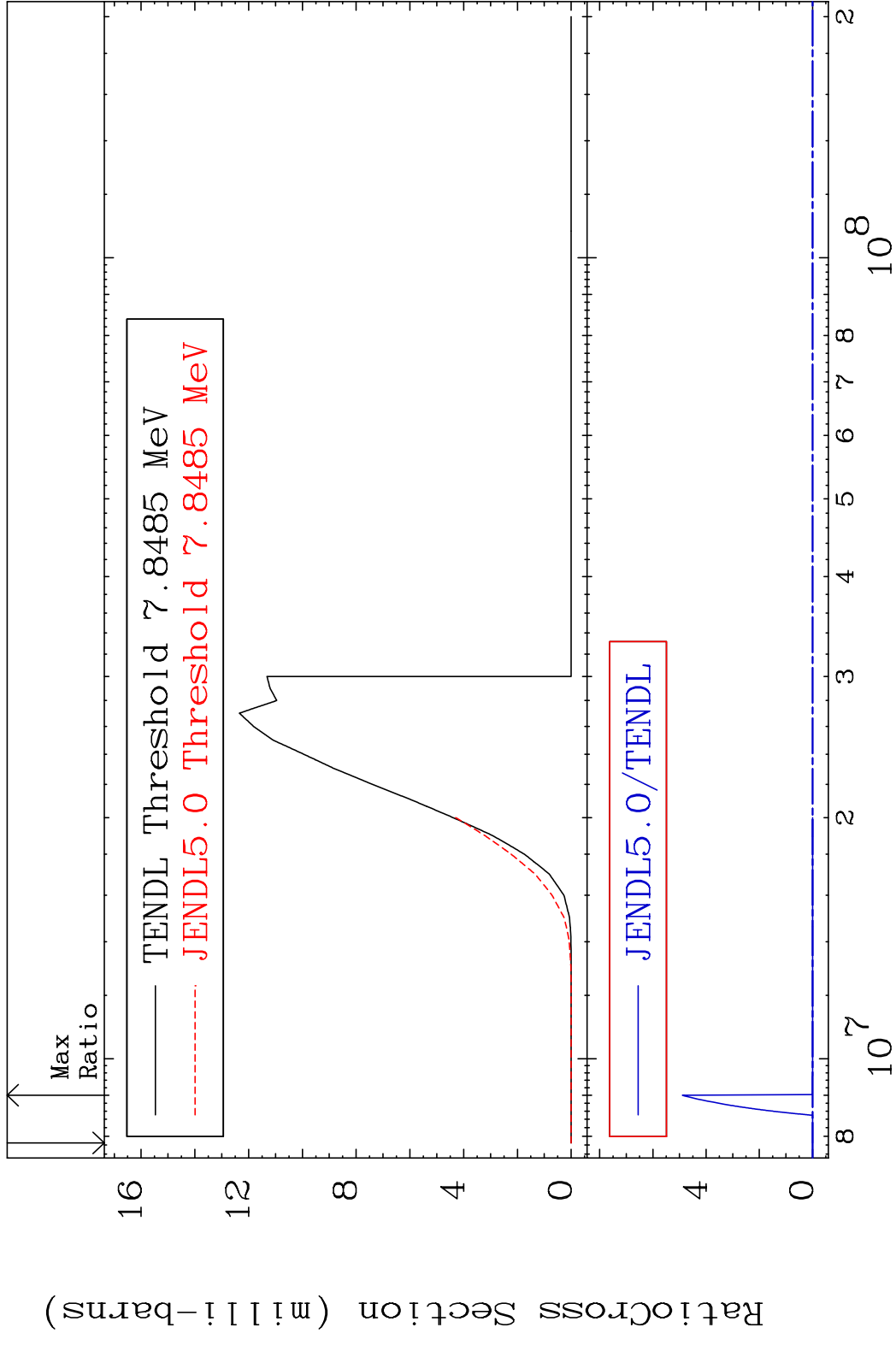
(n,p)

52-Te-130

Cross Section 8.042 To 9999. %



MAT 5255 (n,d) 52-Te-130
 Cross Section -100.0 To 9999. %



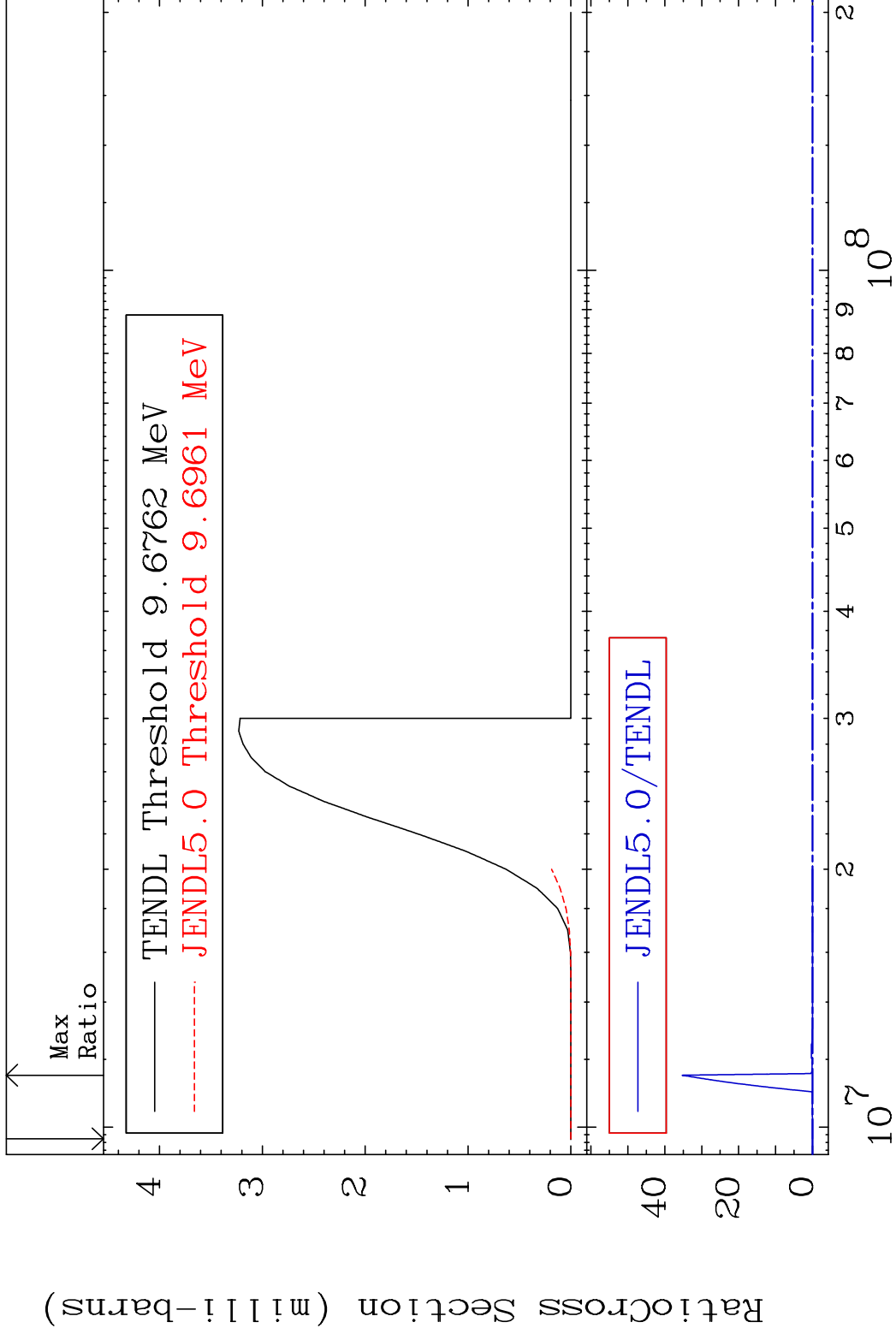
43 Incident Energy (eV) 52-Te-130

MAT 5255

(n, t)

52-Te-130

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

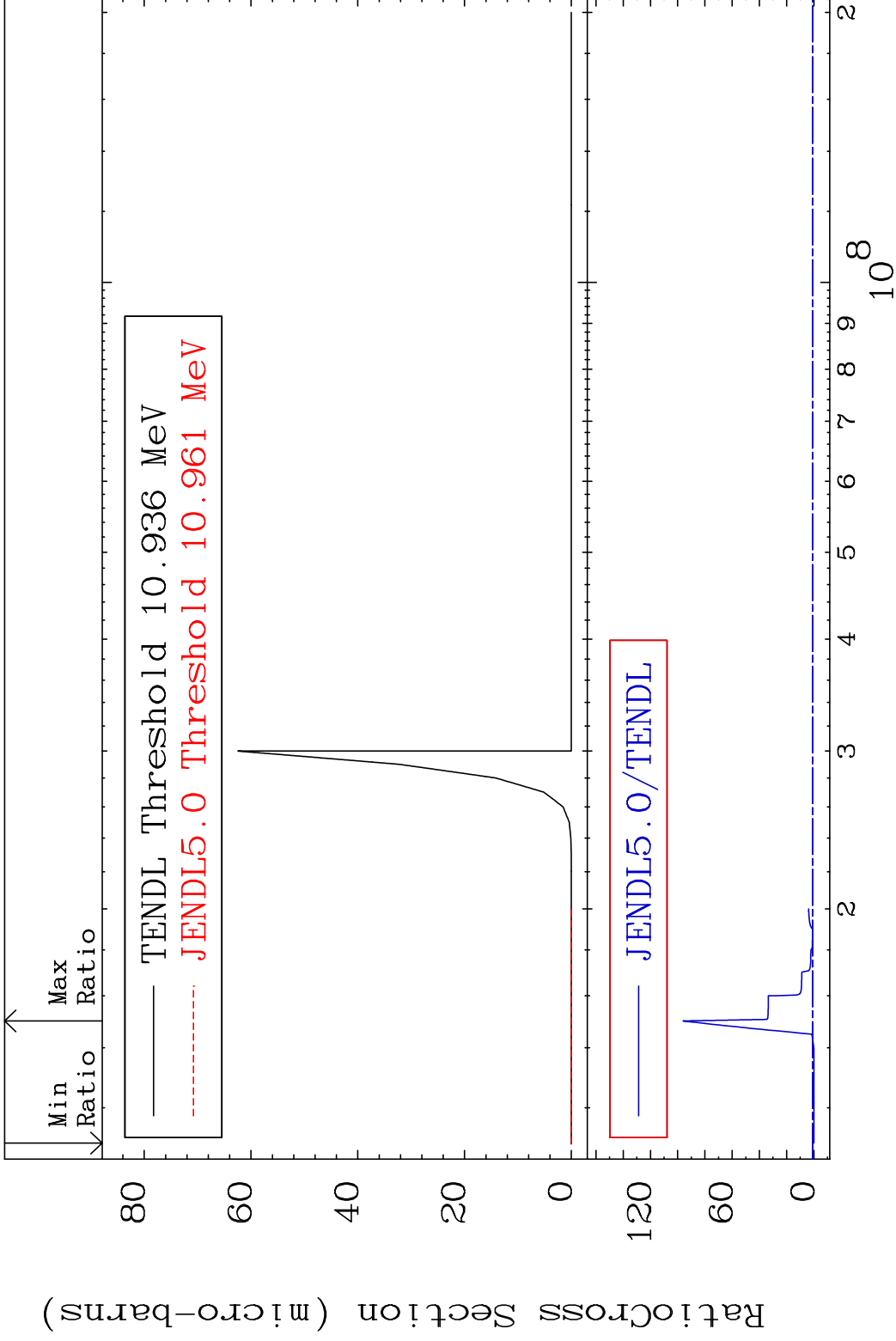
52-Te-130

MAT 5255

(n, He-3)

52-Te-130

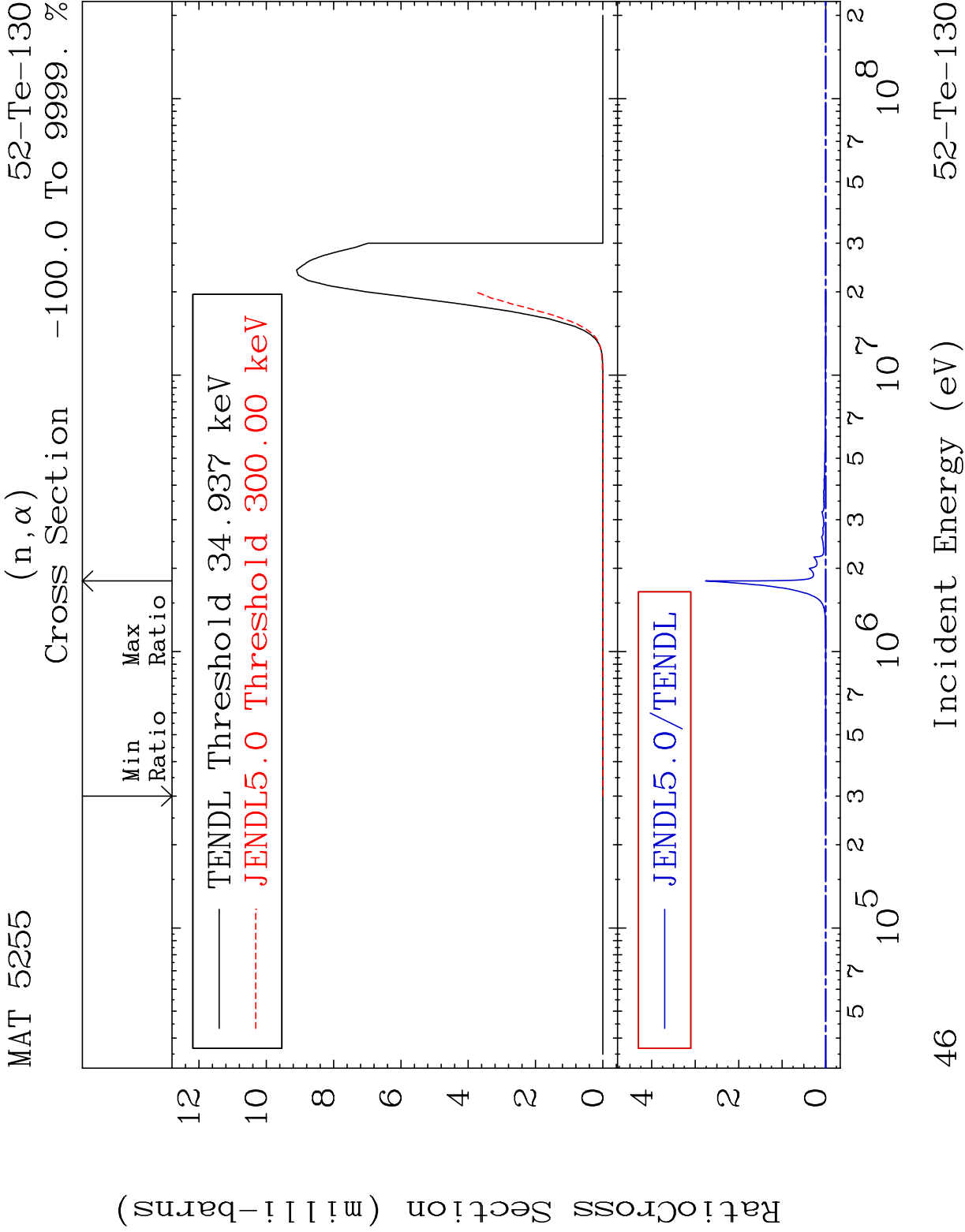
Cross Section -100.0 To 9505. %



45

Incident Energy (eV)

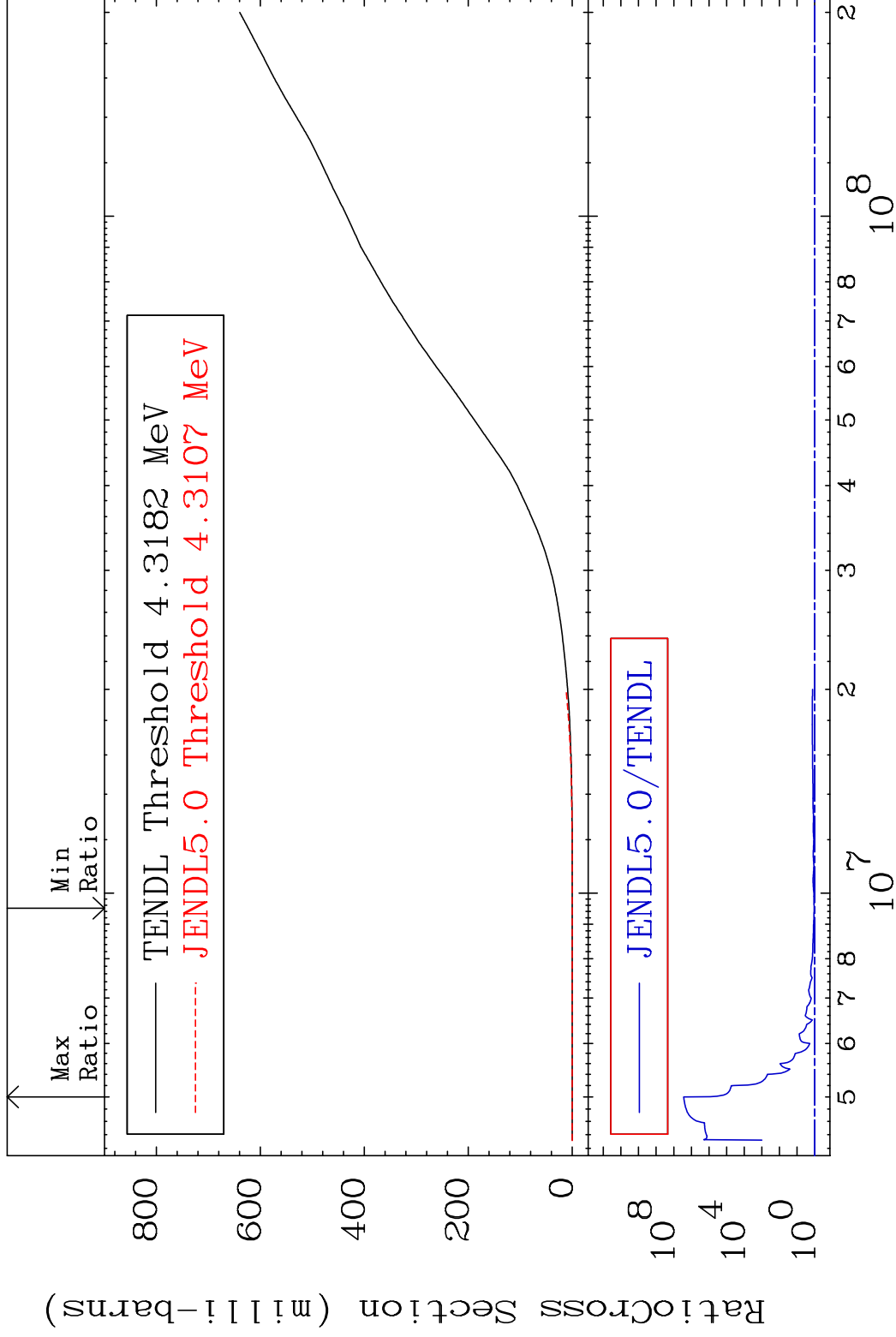
52-Te-130



MAT 5255

Hydrogen Production 52-Te-130

Cross Section 8.042 To 9999. %

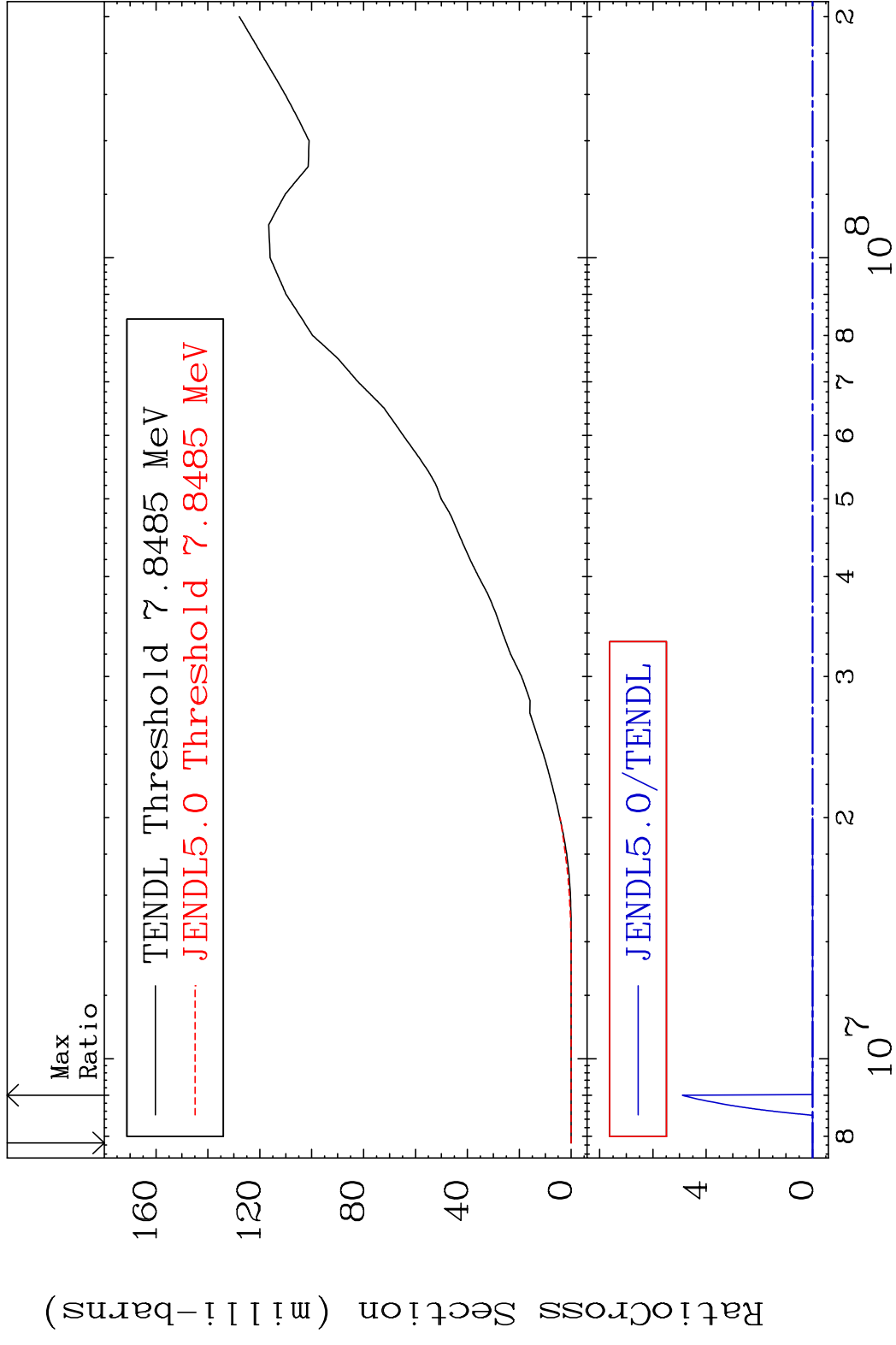


47

Incident Energy (eV)

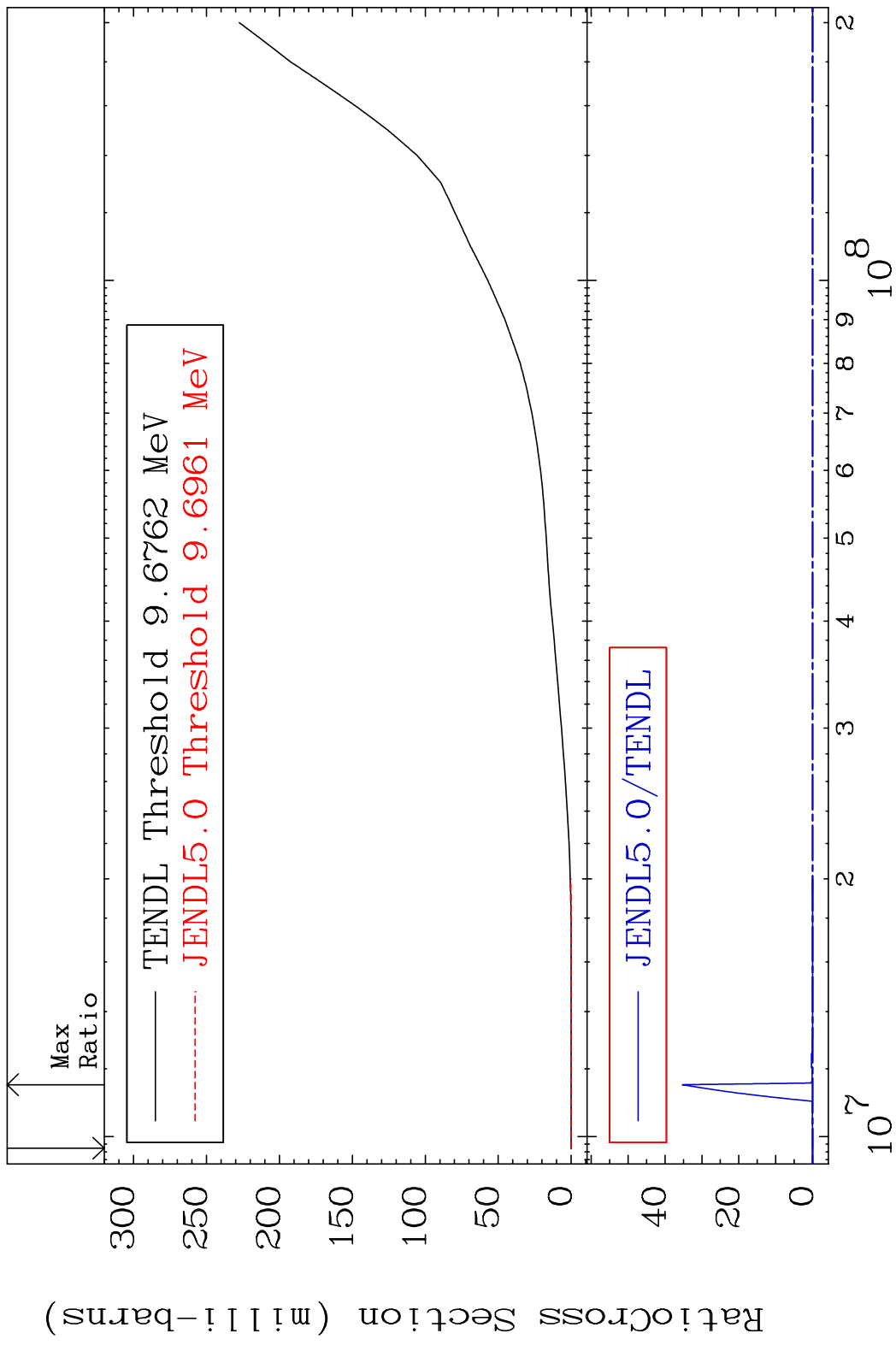
52-Te-130

MAT 5255 Deuterium Production 52-Te-130
Cross Section -100.0 To 9999. %



48 52-Te-130

MAT 5255 Tritium Production 52-Te-130
Cross Section -100.0 To 9999. %



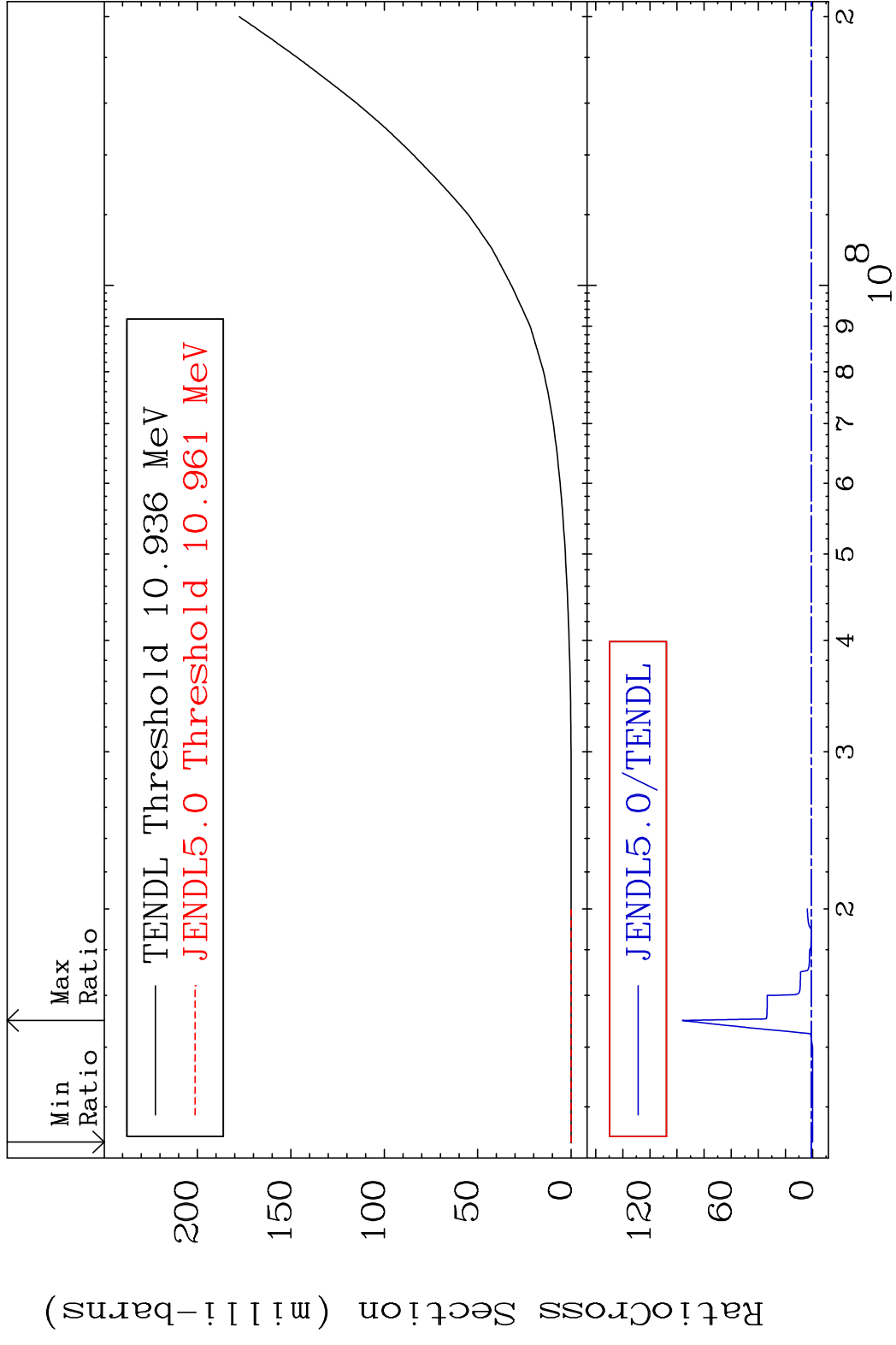
49 52-Te-130

MAT 5255

He-3 Production

52-Te-130

Cross Section -100.0 To 9505. %



50

Incident Energy (eV)

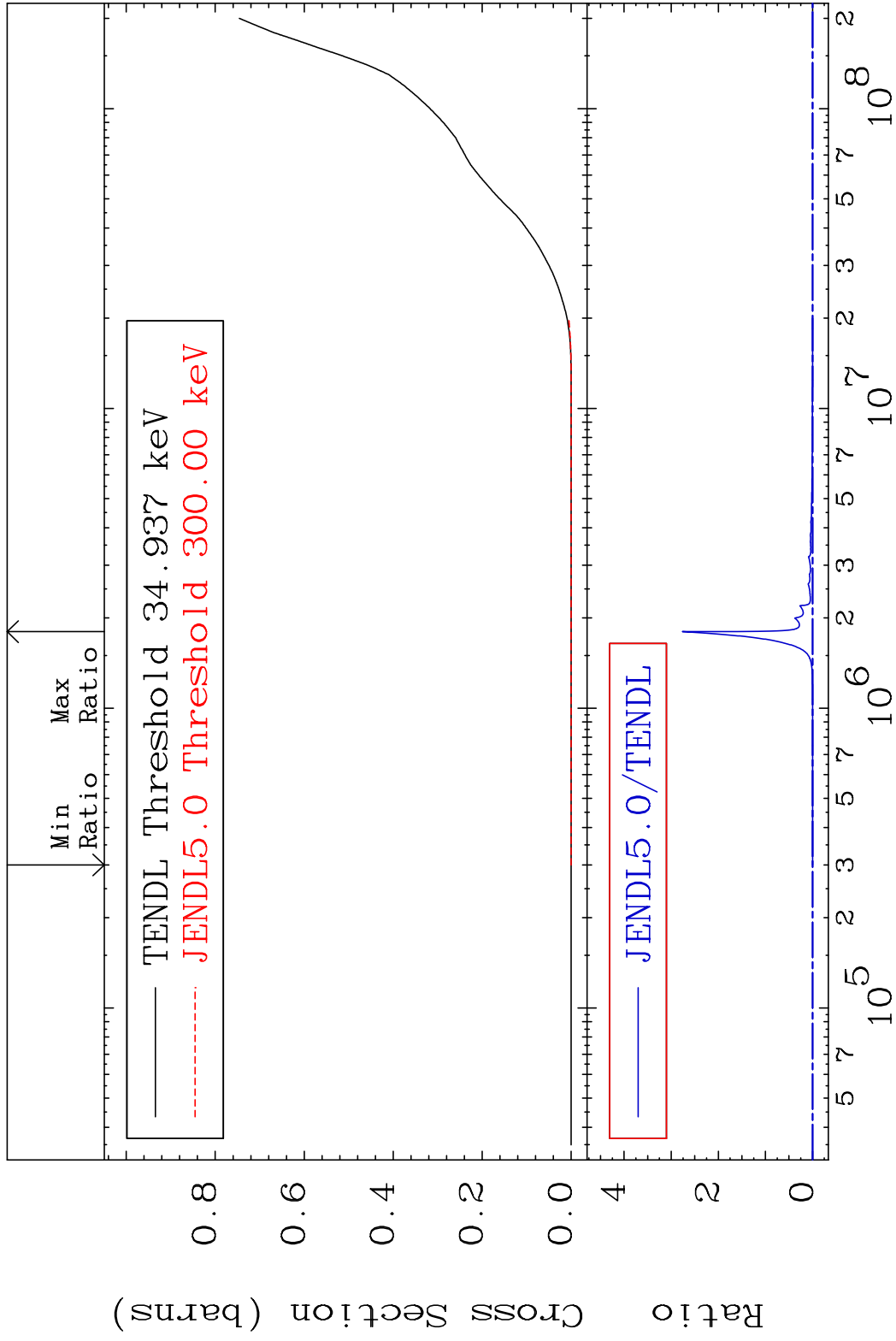
52-Te-130

MAT 5255

He-4 Production

52-Te-130

Cross Section -100.0 To 9999. %

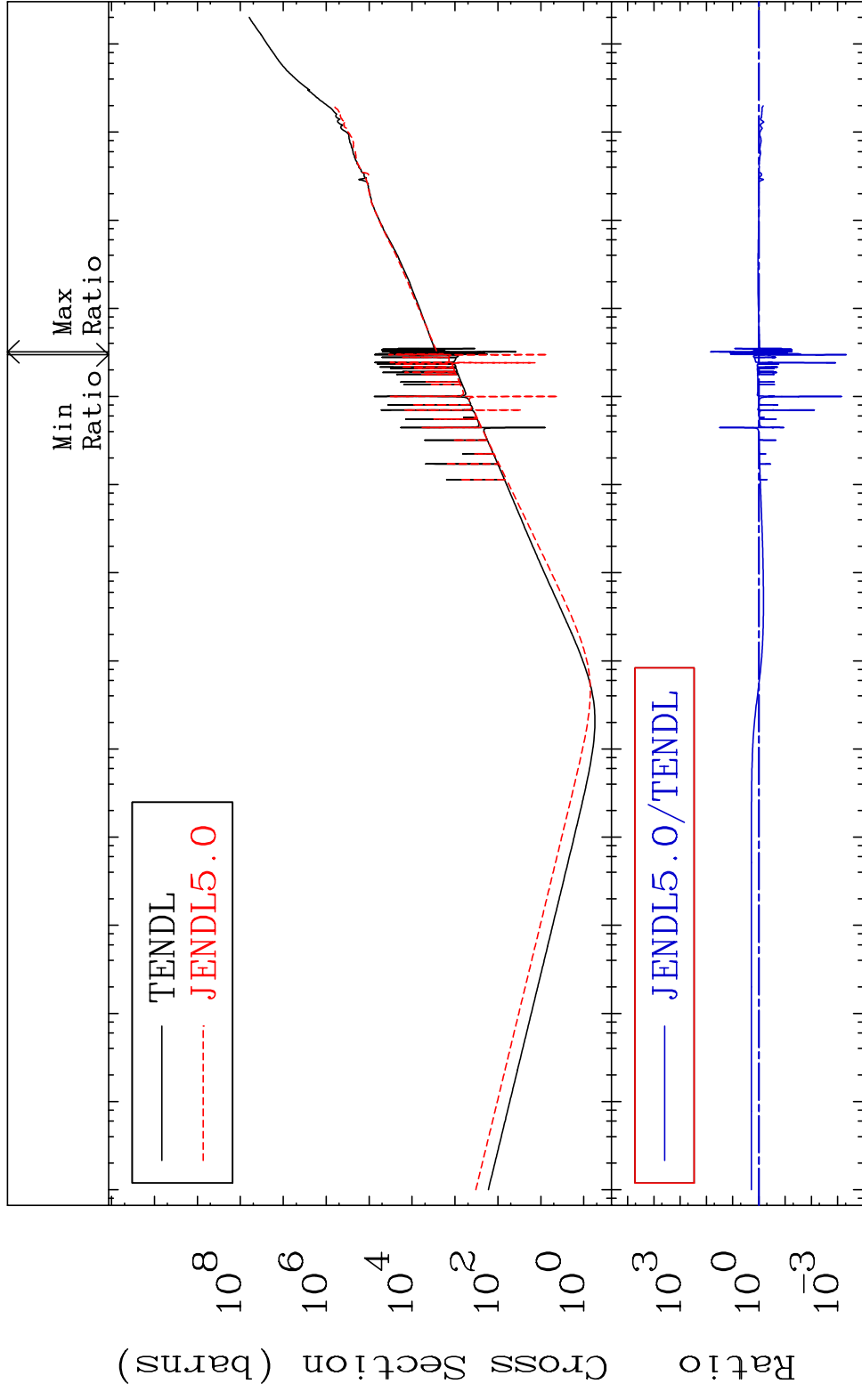


51

Incident Energy (eV)

52-Te-130

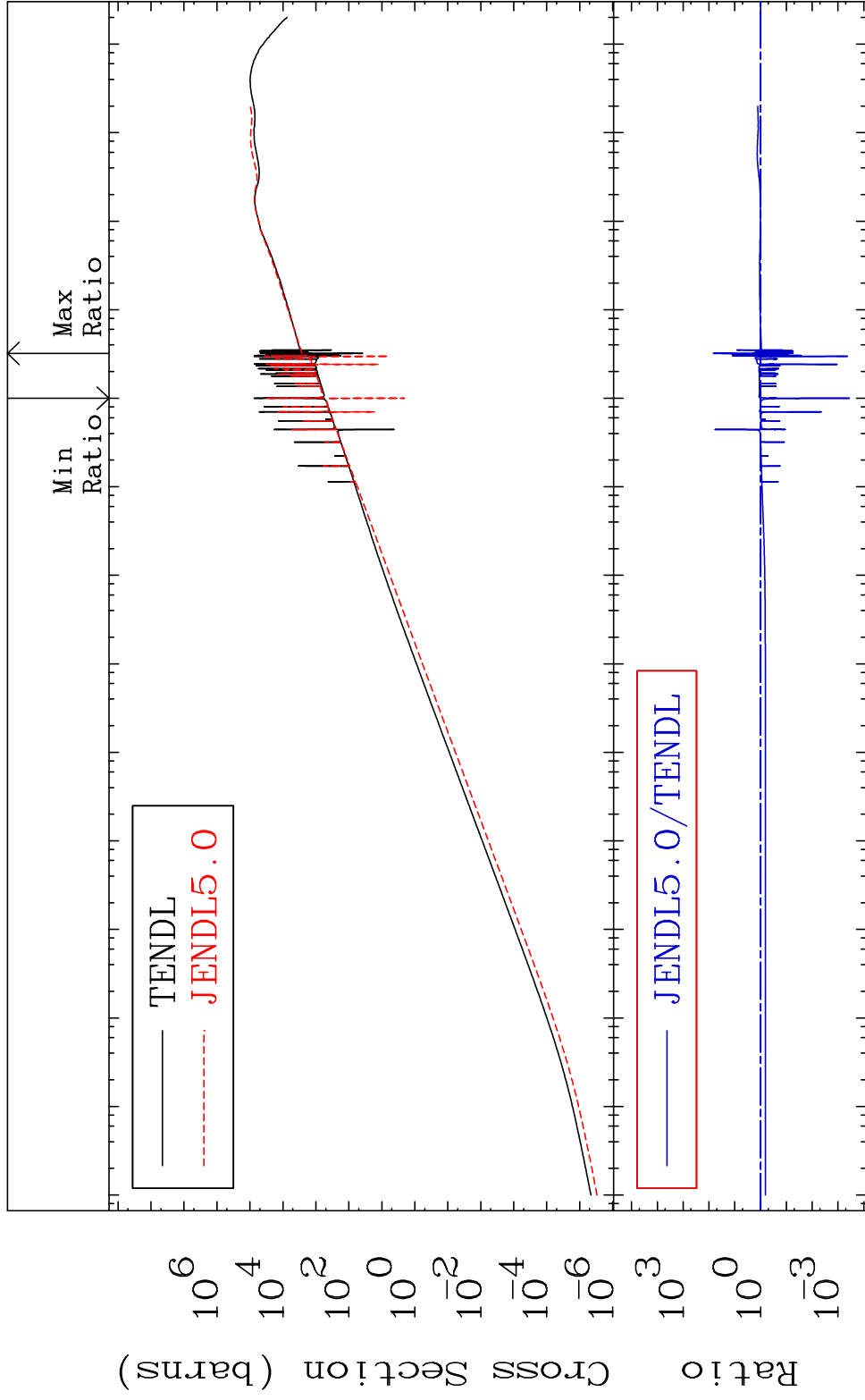
MAT 5255 Kerma total (eV-barns) 52-Te-130
 Cross Section -99.95 To 6758. %



MAT 5255

Kerma elastic
Cross Section

52-Te-130
-99.96 To 6764. %

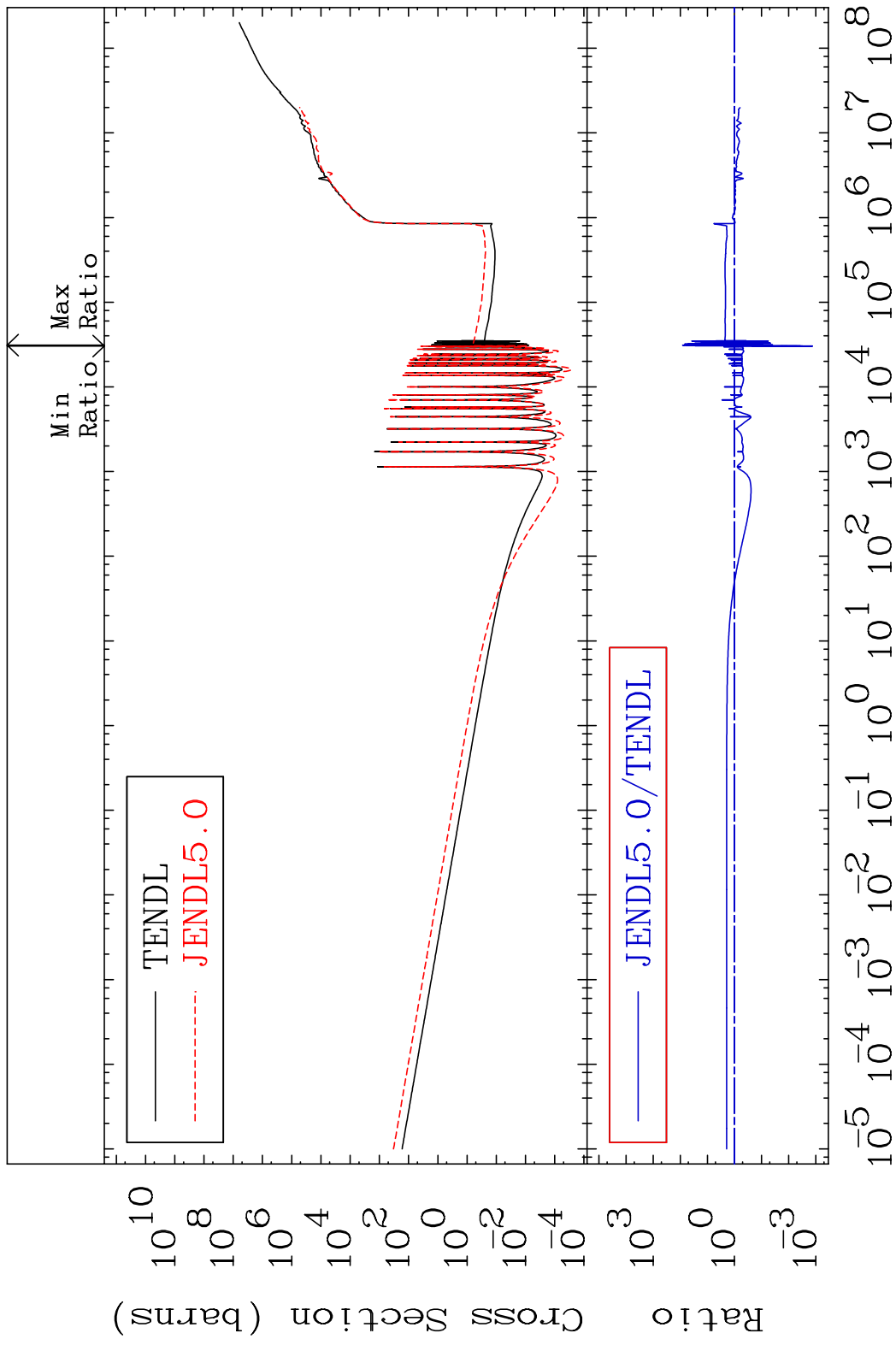


53

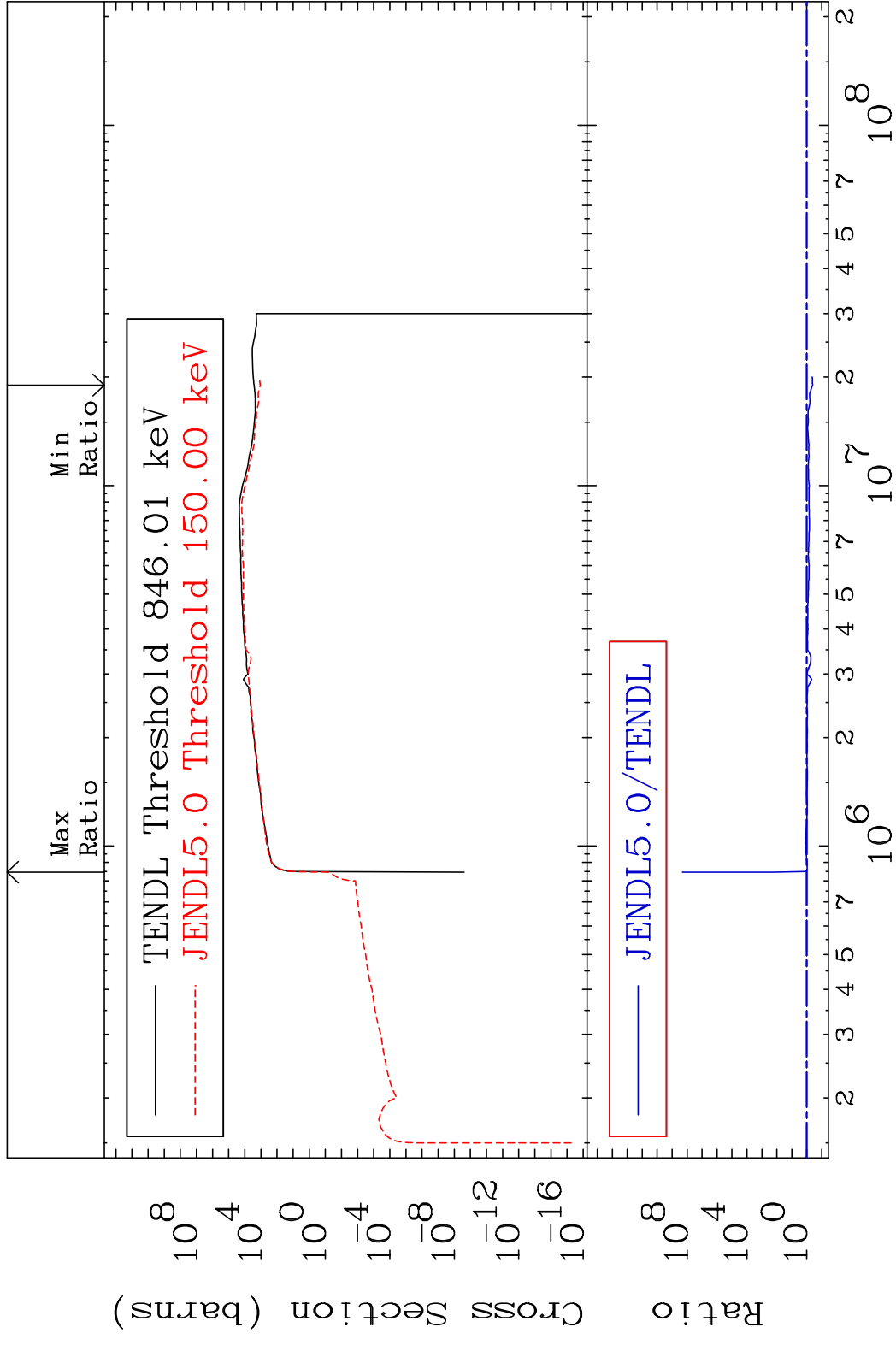
Incident Energy (eV)

52-Te-130

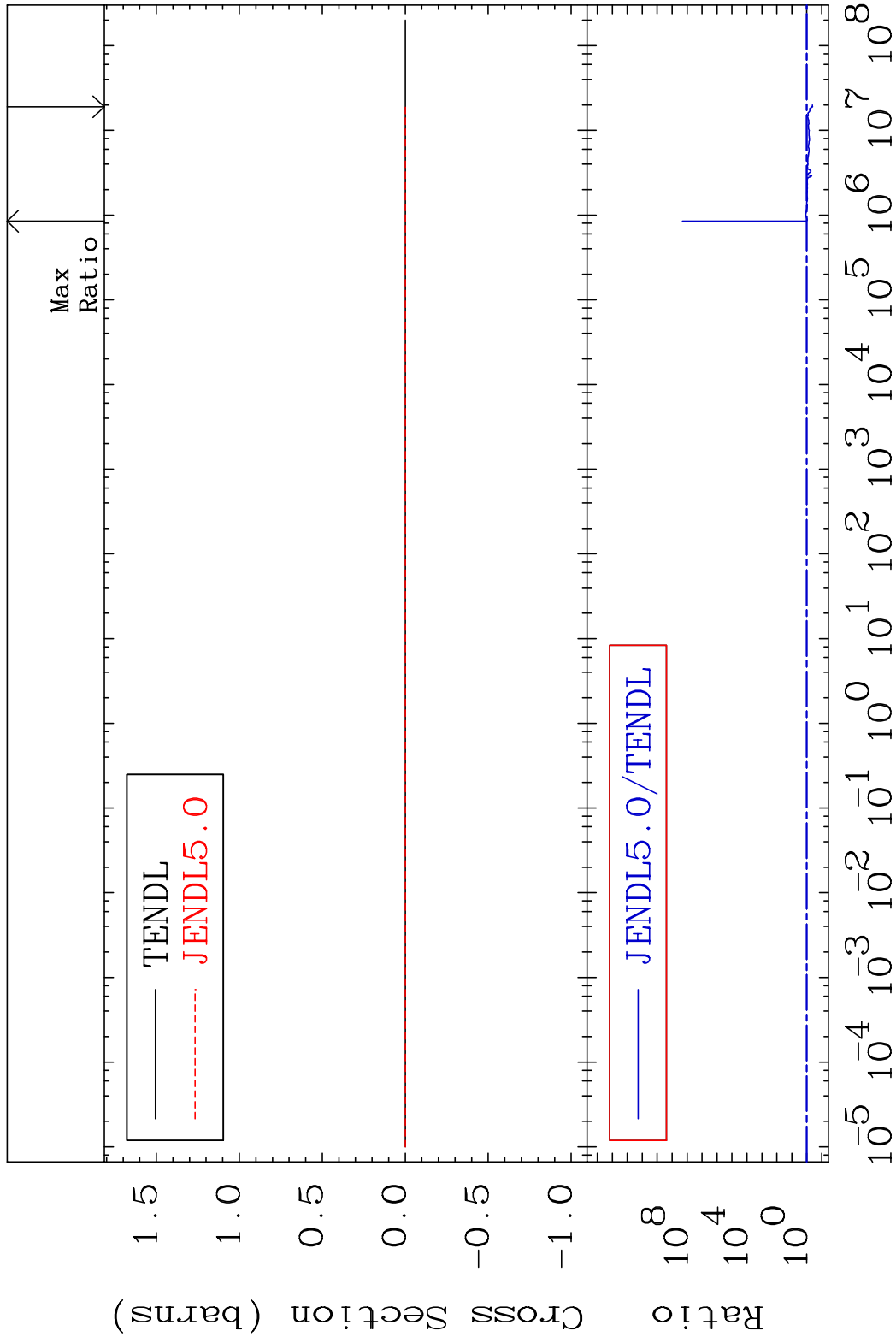
MAT 5255 Kerma non-elastic (all but mt2) 52-Te-130
 Cross Section -99.87 To 8276. %



MAT 5255 Kerma inelastic (mt51-91) 52-Te-130
 Cross Section -59.14 To 9999. %



MAT 5255 Kerma fission (mt18 or mt19-20-21-38) 52-Te-130
 Cross Section -59.14 To 9999. %

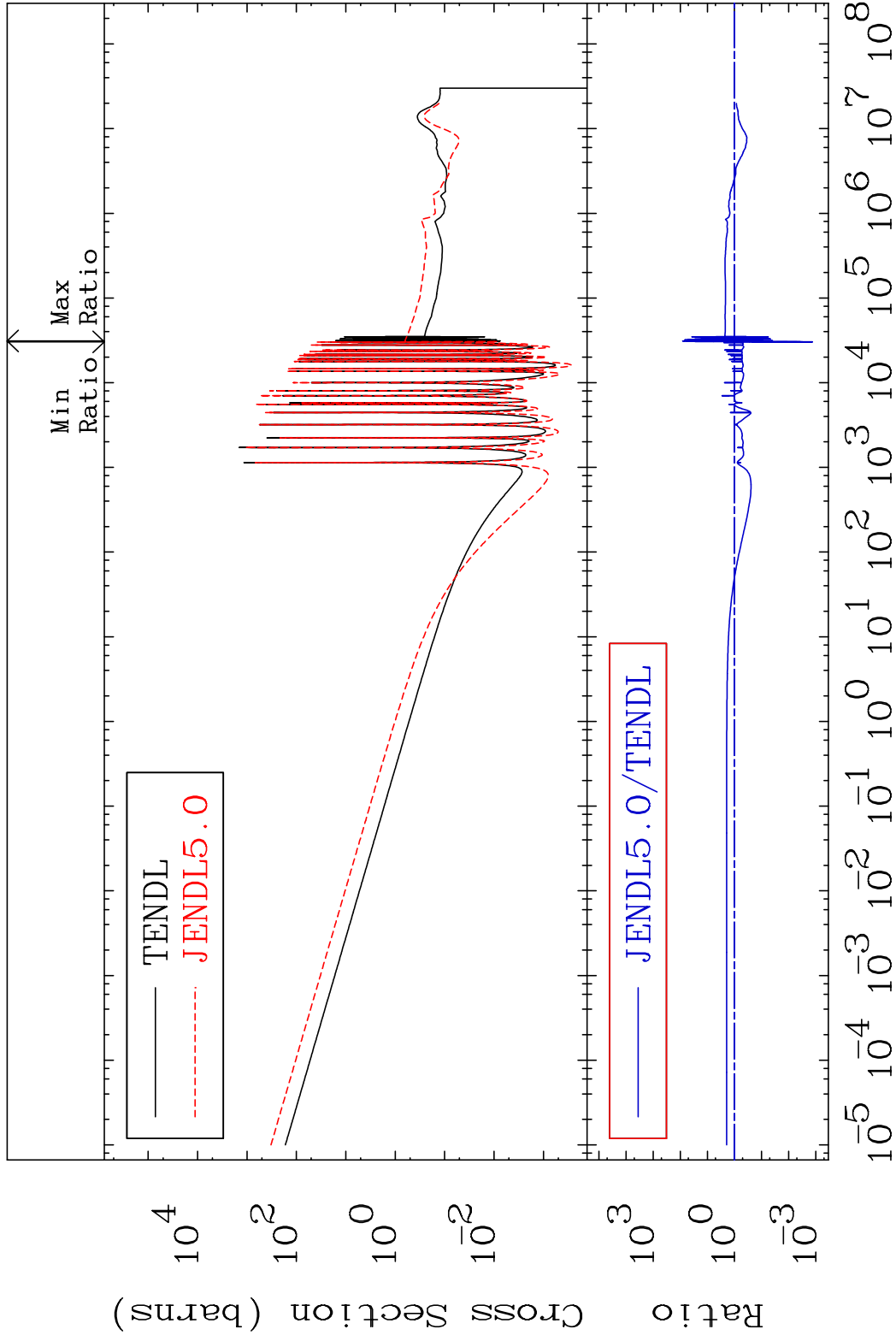


MAT 5255

Kerma capture (mt102)

52-Te-130

Cross Section -99.87 To 8276. %

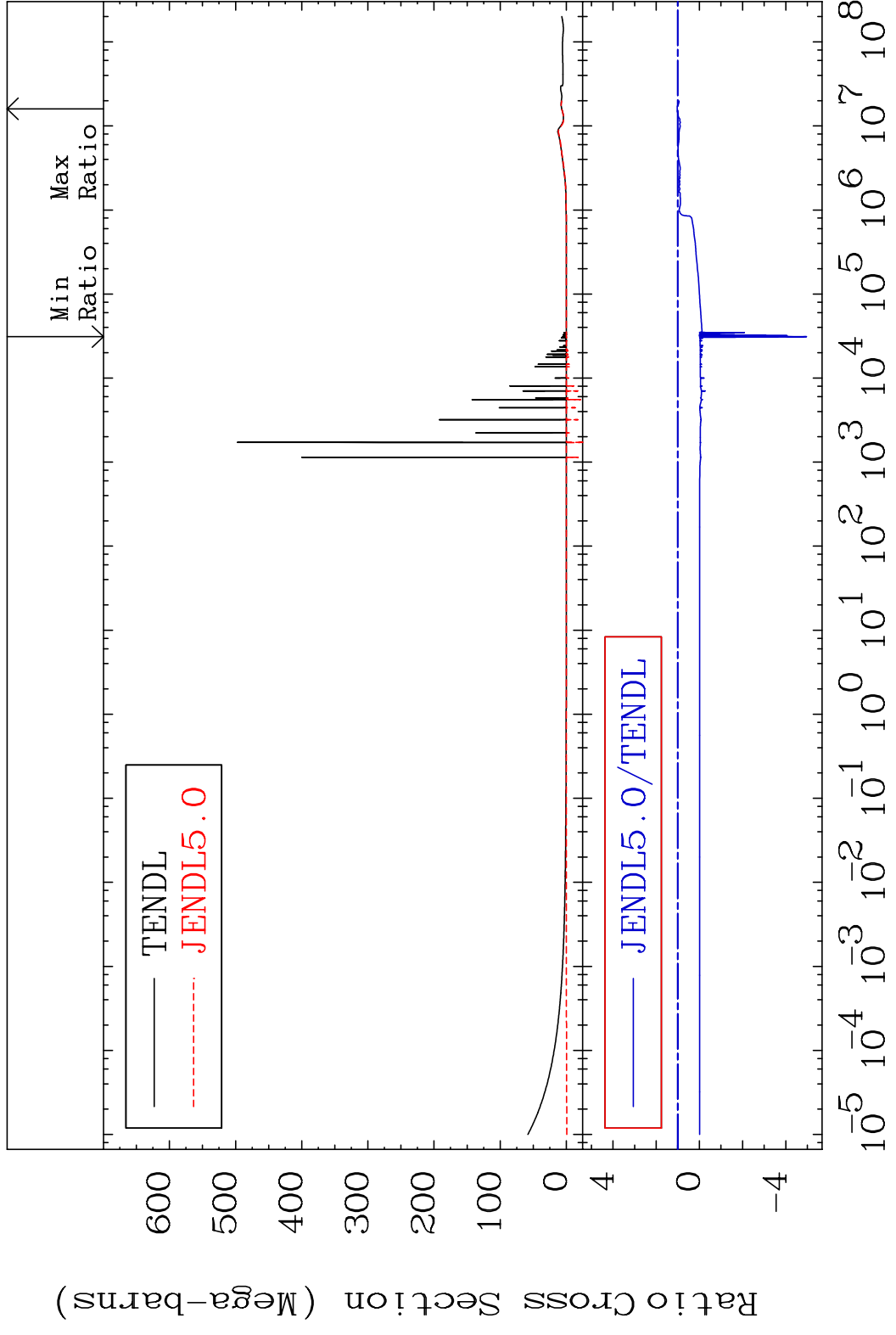


57

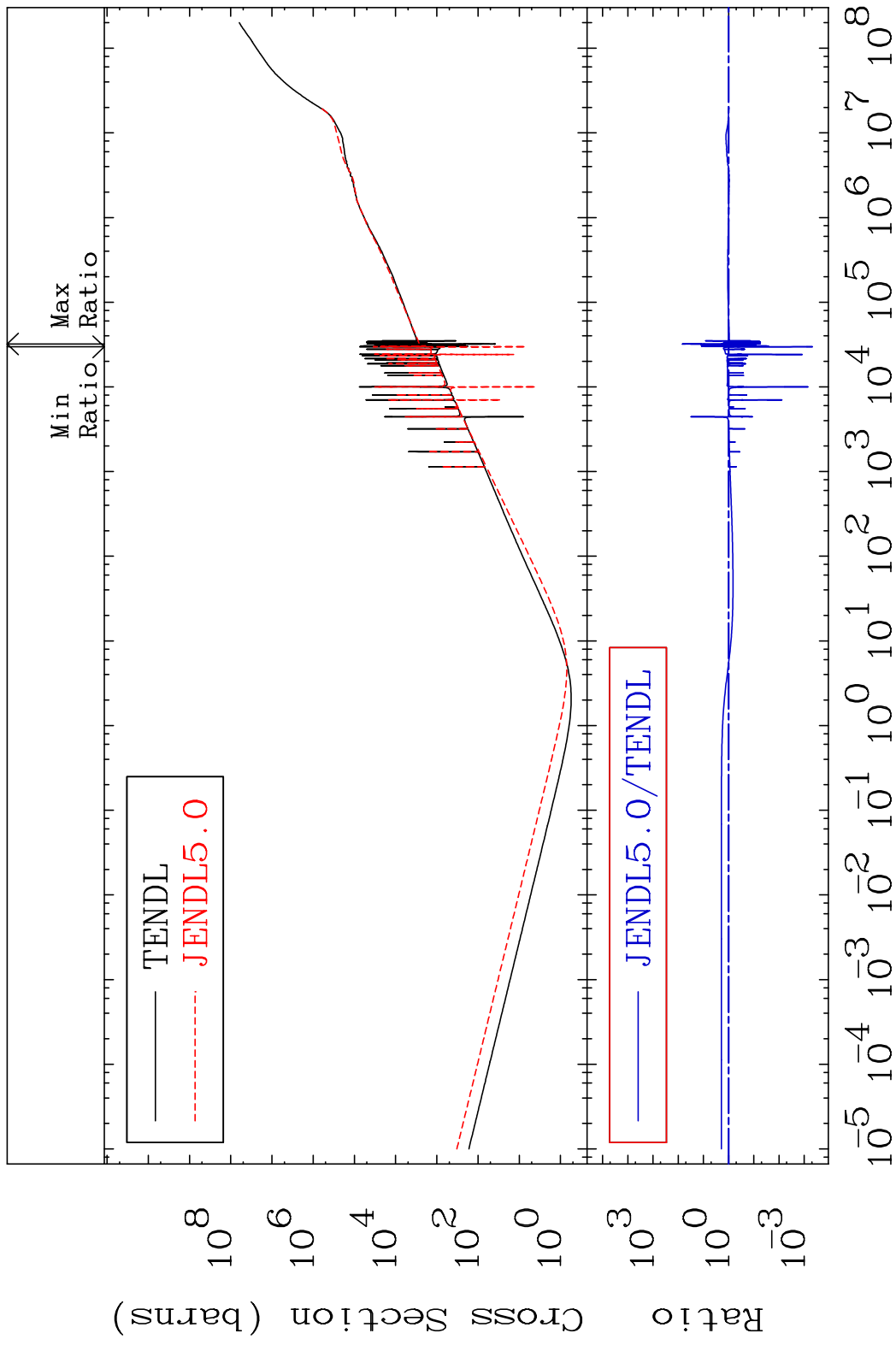
Incident Energy (eV)

52-Te-130

MAT 5255 Total photon (eV-barns) 52-Te-130
Cross Section -595.6 To 2.724 %



MAT 5255 Total kinematic kerma (high limit) 52-Te-130
Cross Section -99.95 To 6758. %



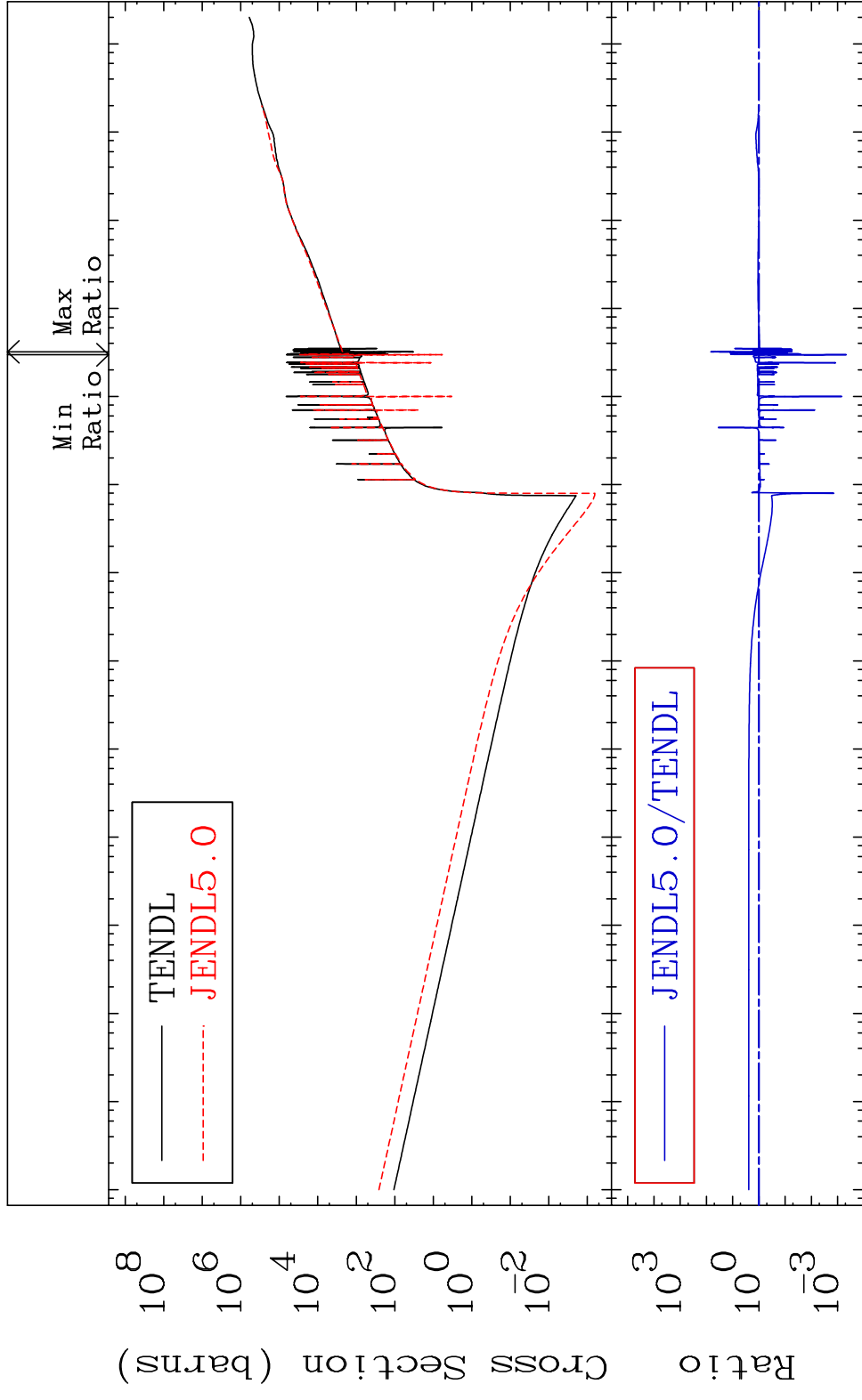
MAT 5255

Dpa total (eV-barns)

52-Te-130

Cross Section

-99.95 To 6758. %



60

Incident Energy (eV)

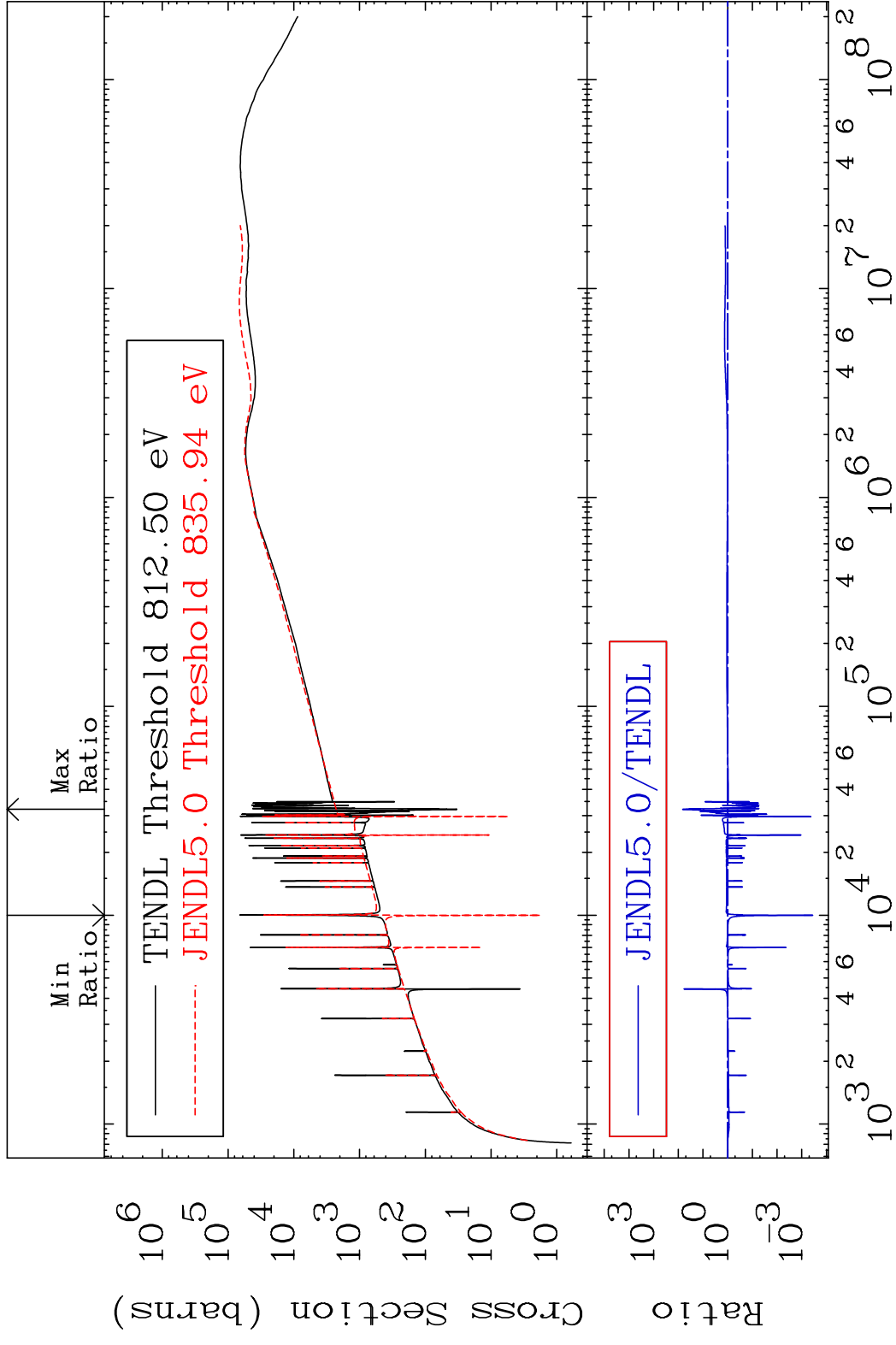
52-Te-130

MAT 5255

Dpa elastic (mt2)

52-Te-130

Cross Section -99.96 To 6762. %



61

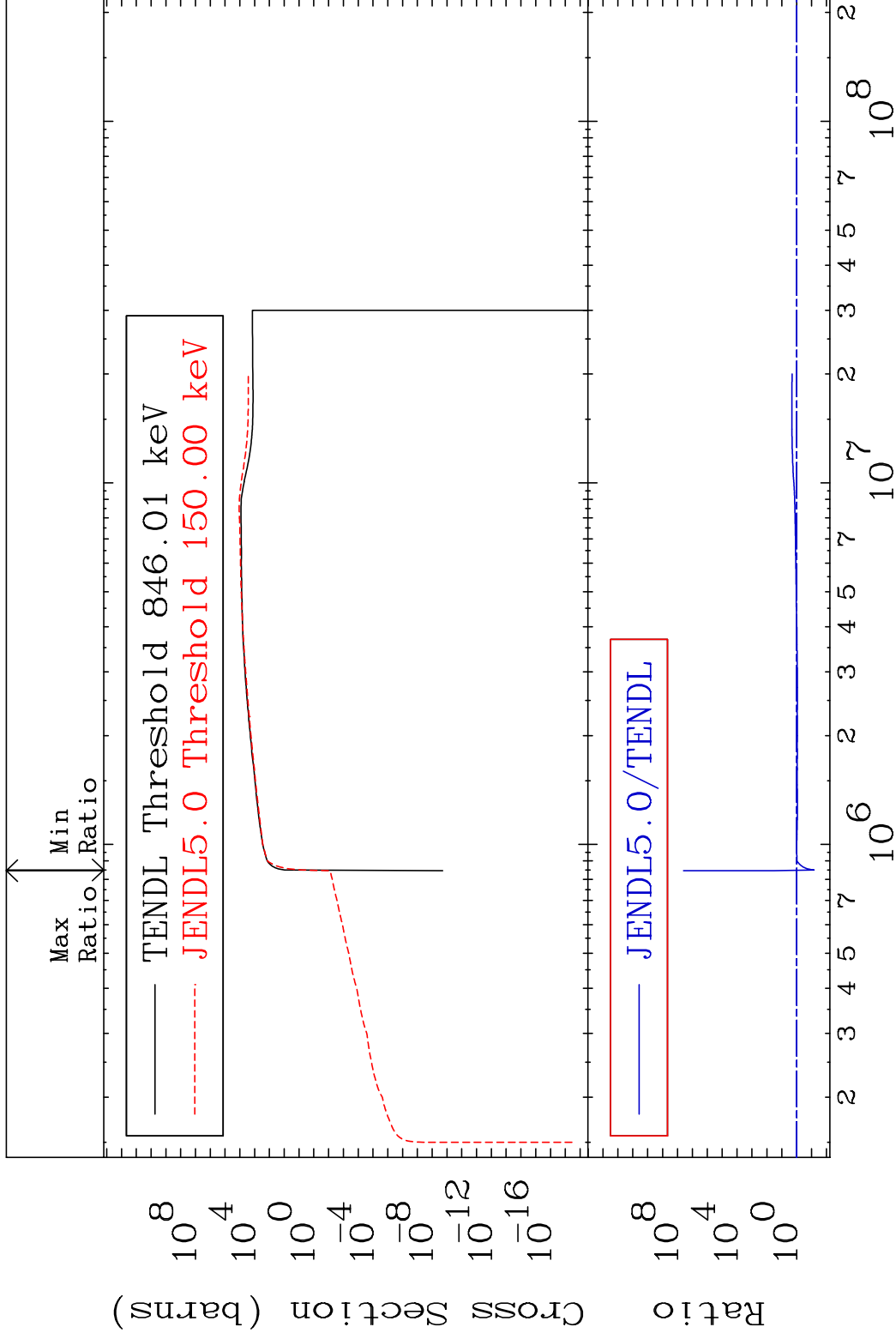
Incident Energy (eV)

52-Te-130

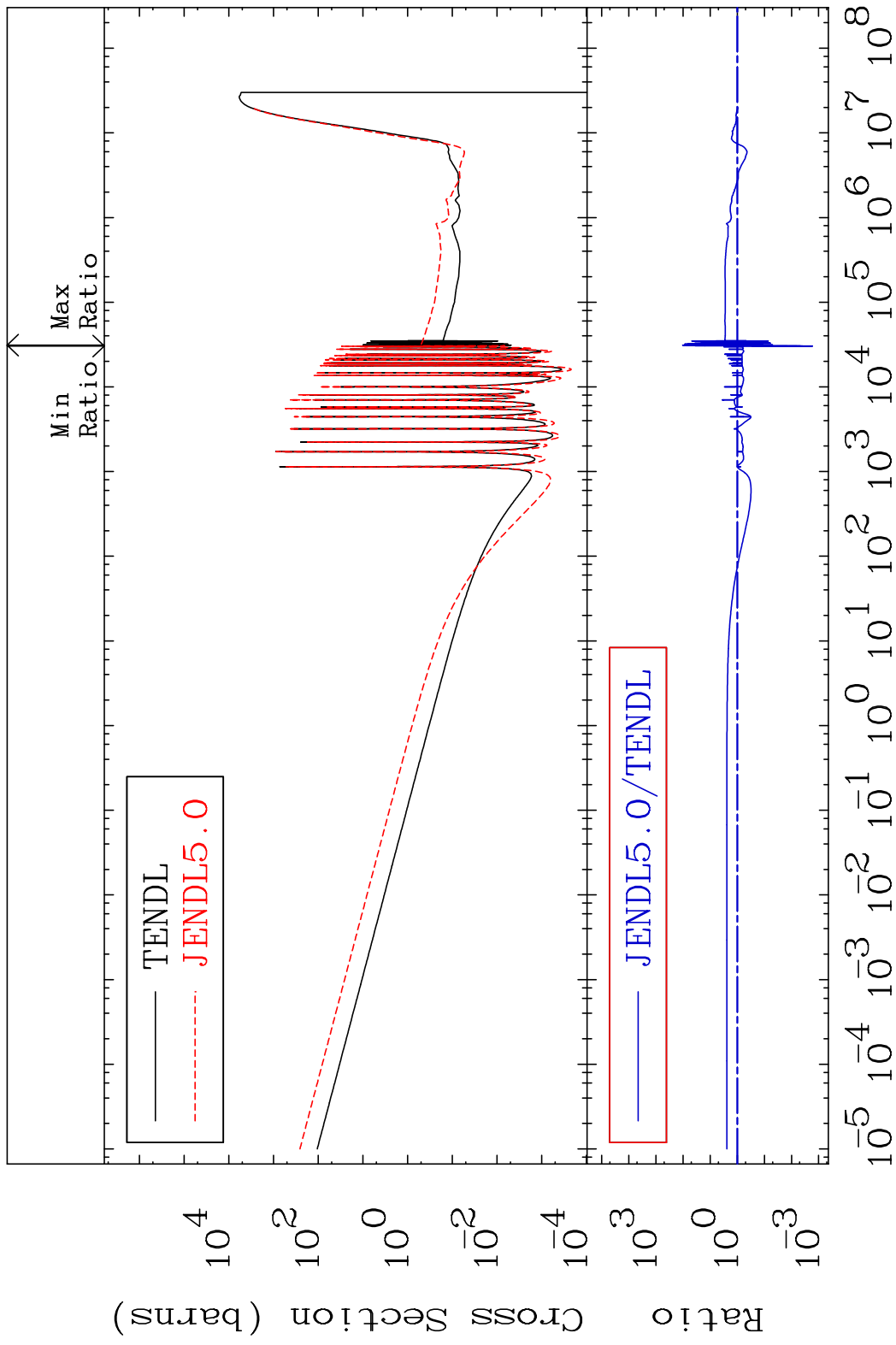
MAT 5255

Dpa inelastic (mt51-91) 52-Te-130

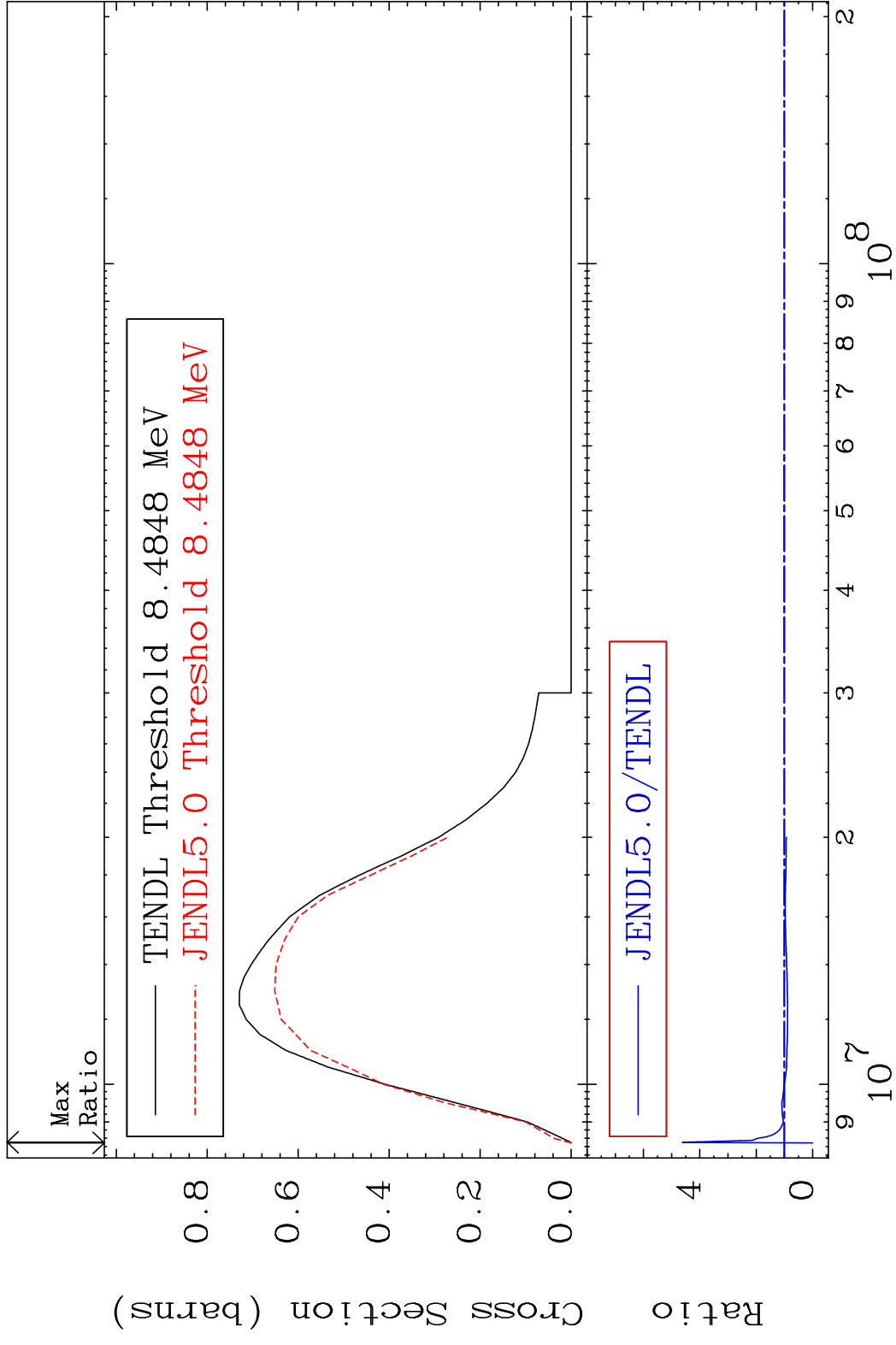
Cross Section -93.19 To 9999. %



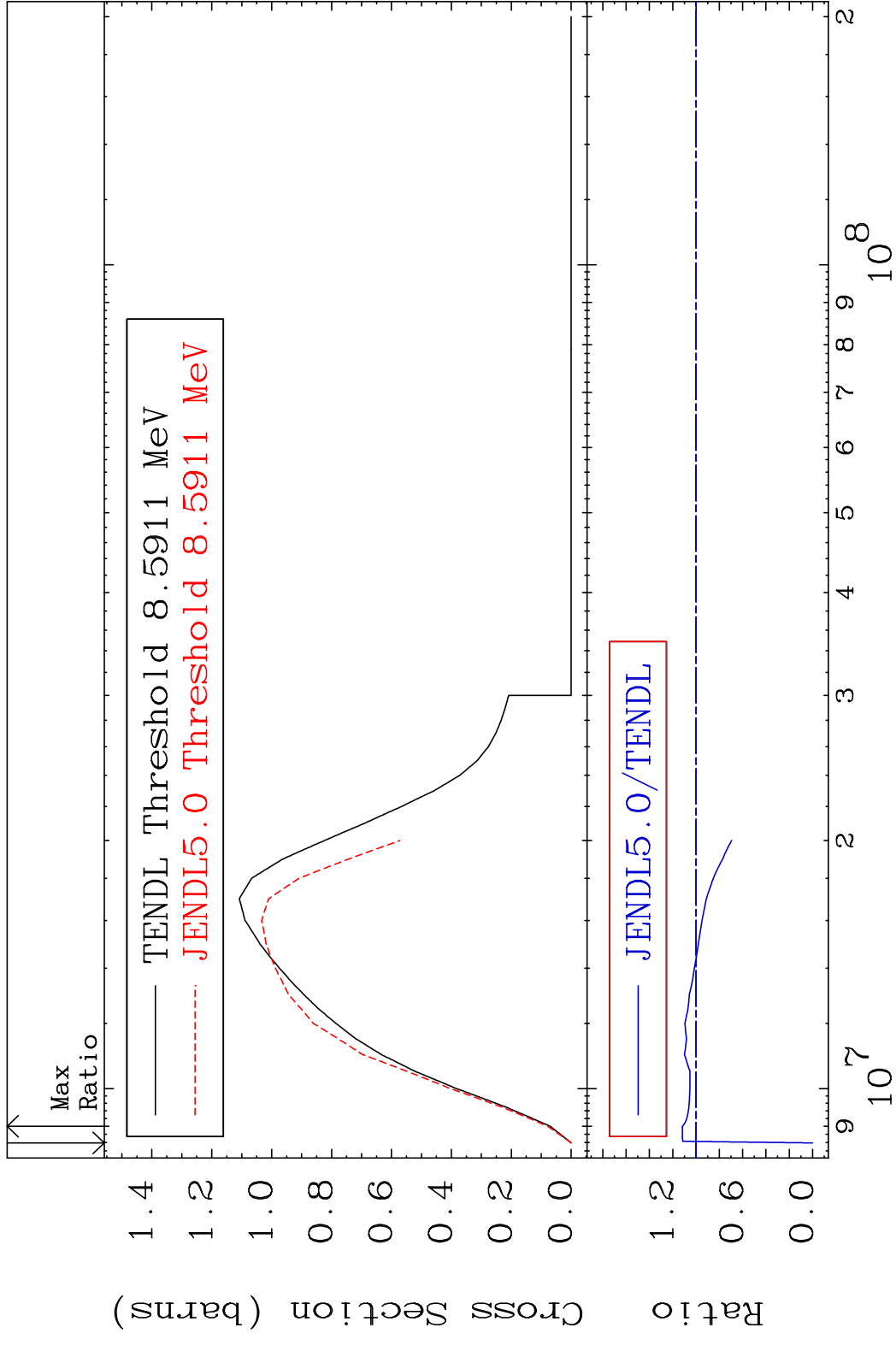
MAT 5255 Dpa disappearance (mt102 -120) 52-Te-130
 Cross Section -99.83 To 9999. %



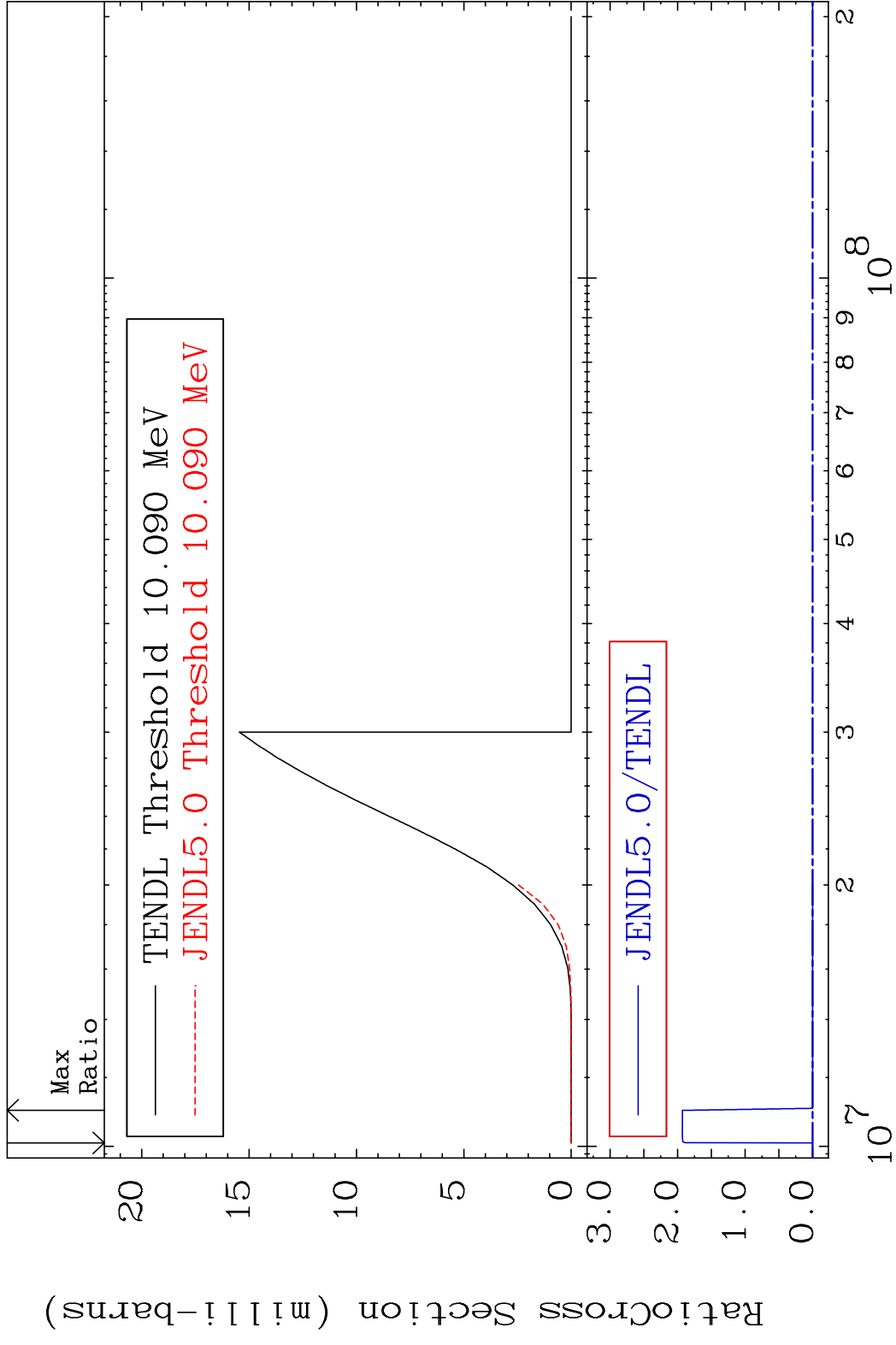
MAT 5255 (n,2n):52-Te-129g 52-Te-130
 Radionuclide Production Cross Section Ratio 361.9 %

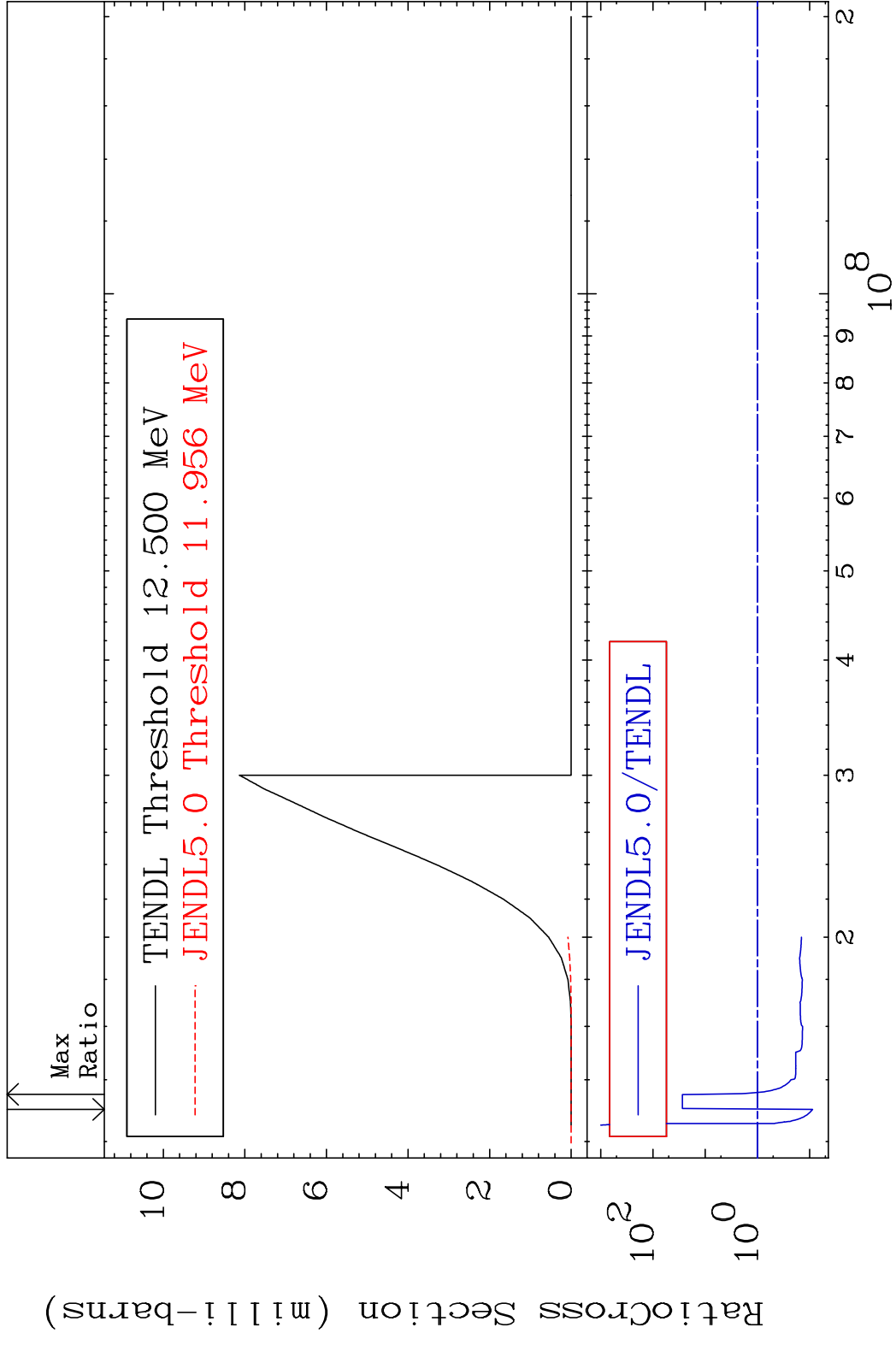


MAT 5255 (n,2n):52-Te-129m1 52-Te-130
 Radionuclide Production Cross Section Ratio 11.72 %

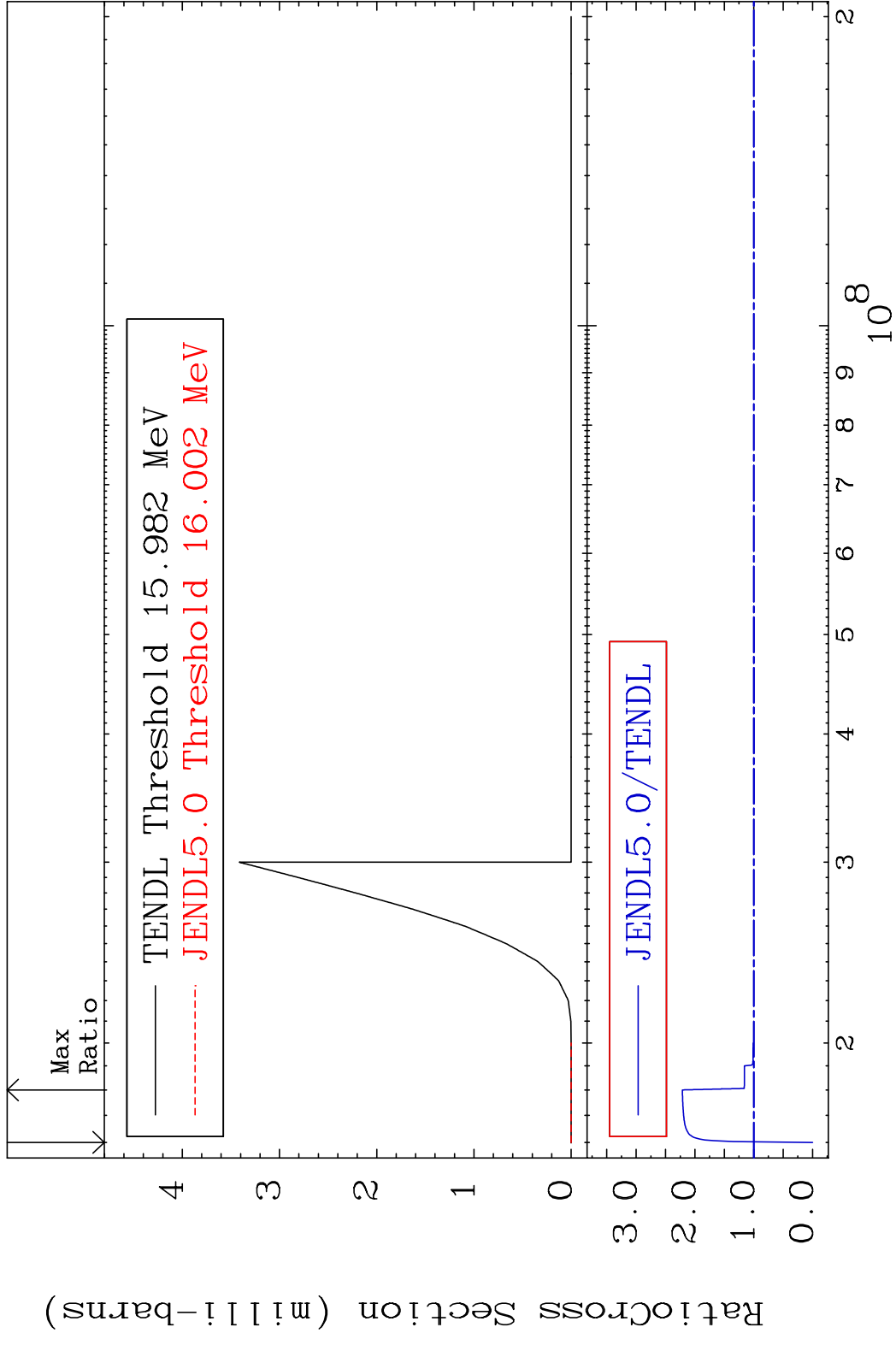


MAT 5255 (n, n') p:51-Sb-129g 52-Te-130
 Radionuclide Production Cross Section Ratio 9999. %

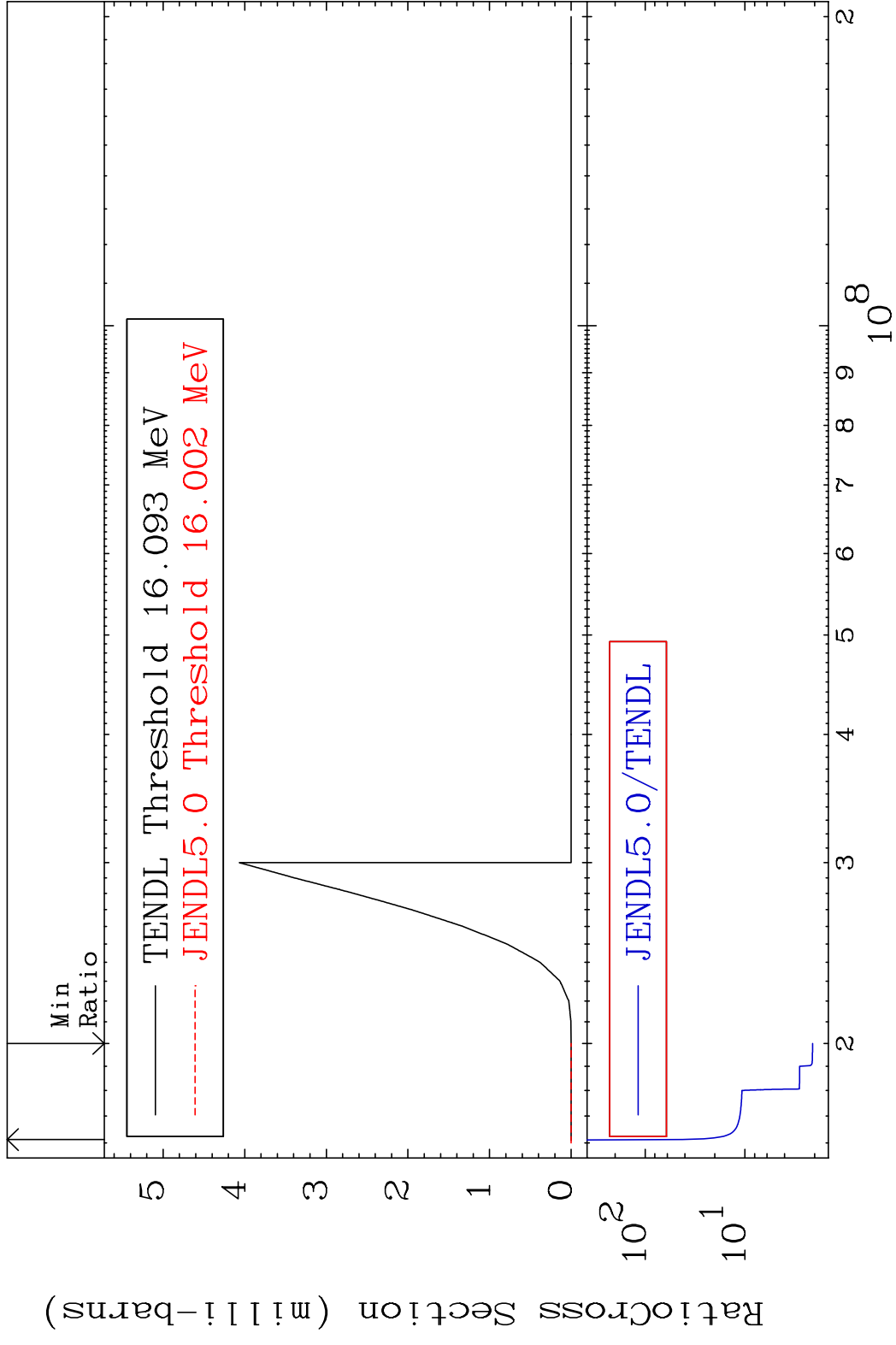




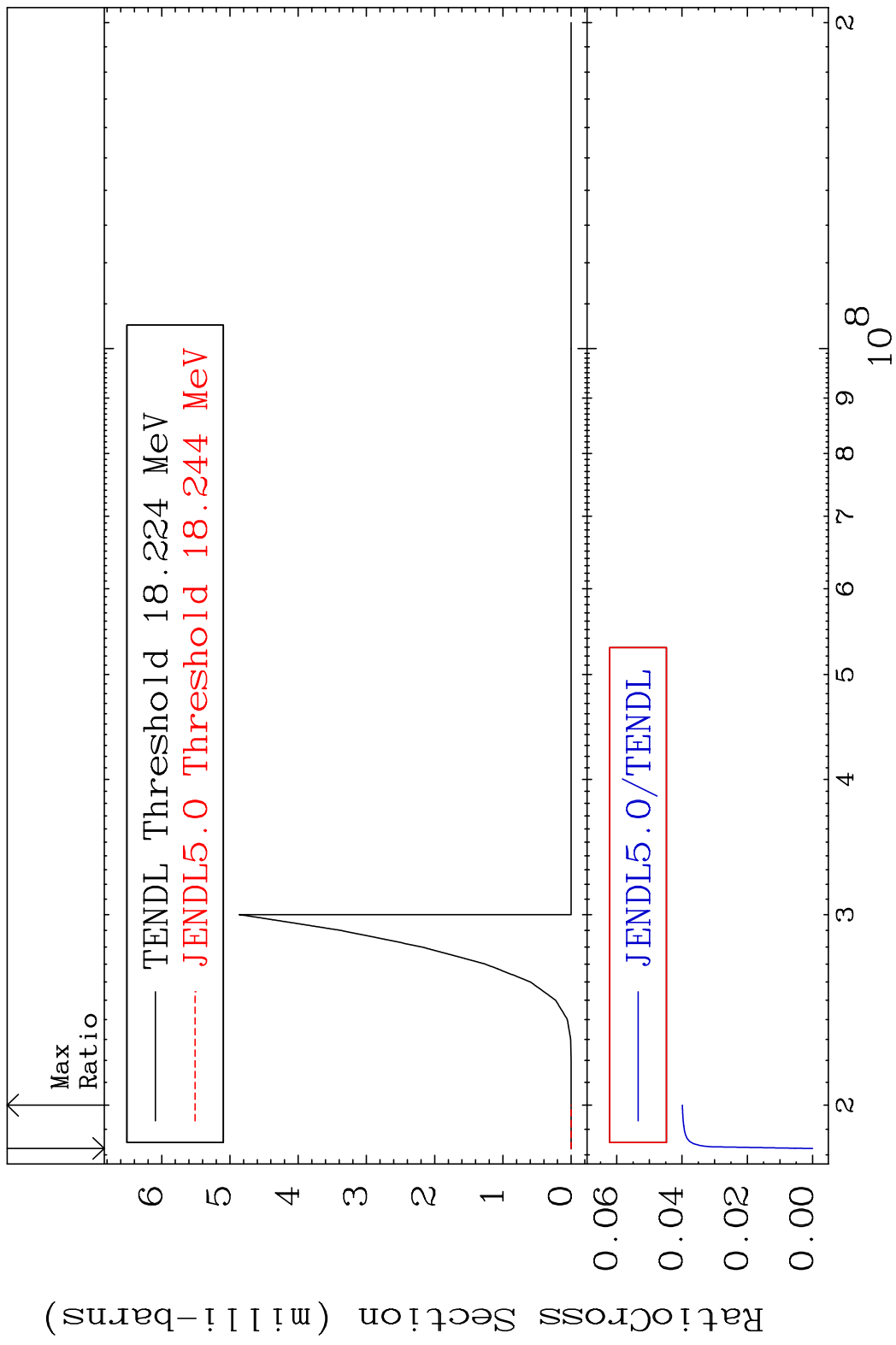
MAT 5255 (n, n') d:51-Sb-128g 52-Te-130
 Radionuclide Production Cross Section 180.0 mb 121.4 %



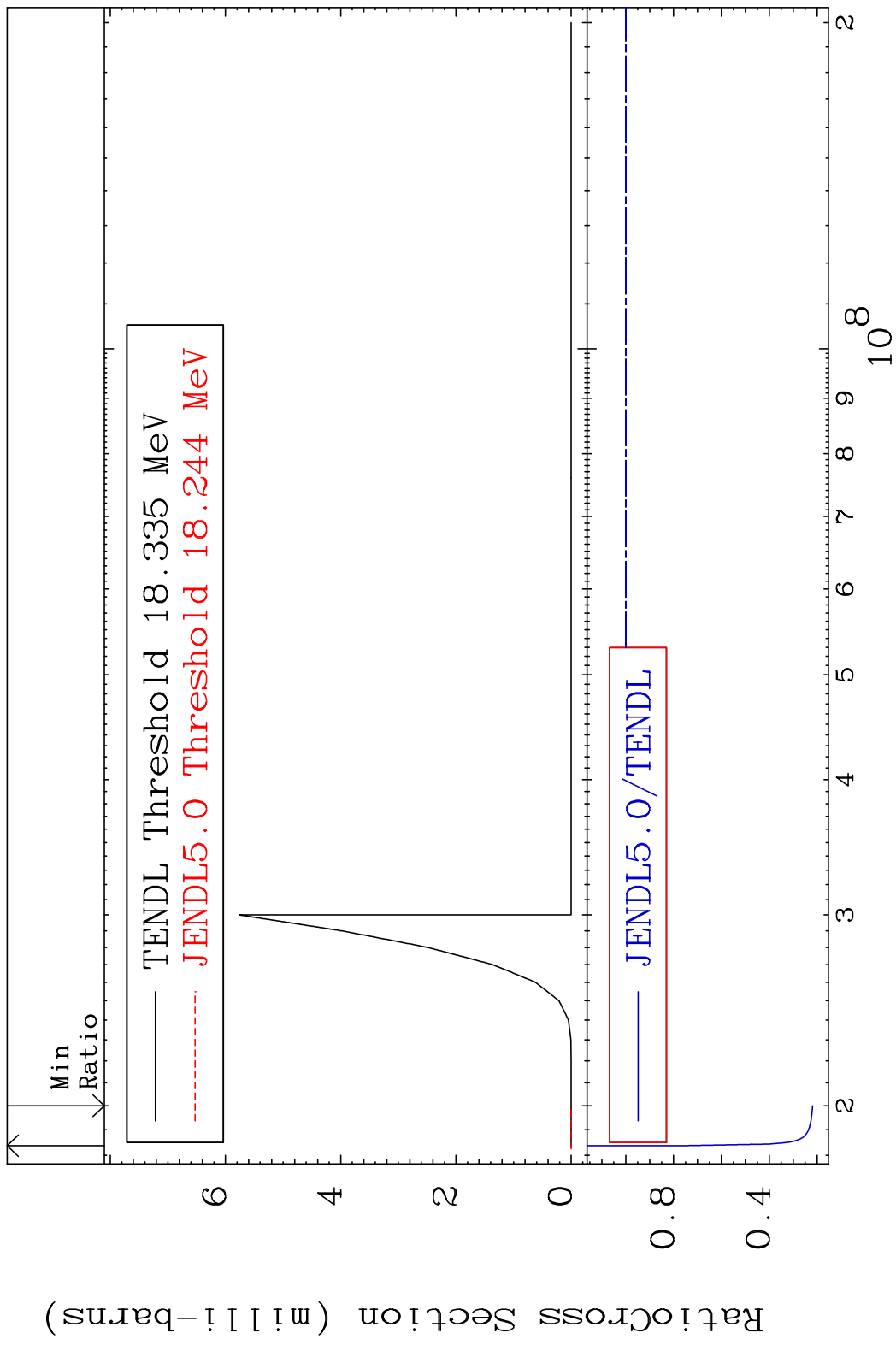
MAT 5255 (n, n') d:51-Sb-128m1 52-Te-130
 Radionuclide Production Cross Section 4135. %



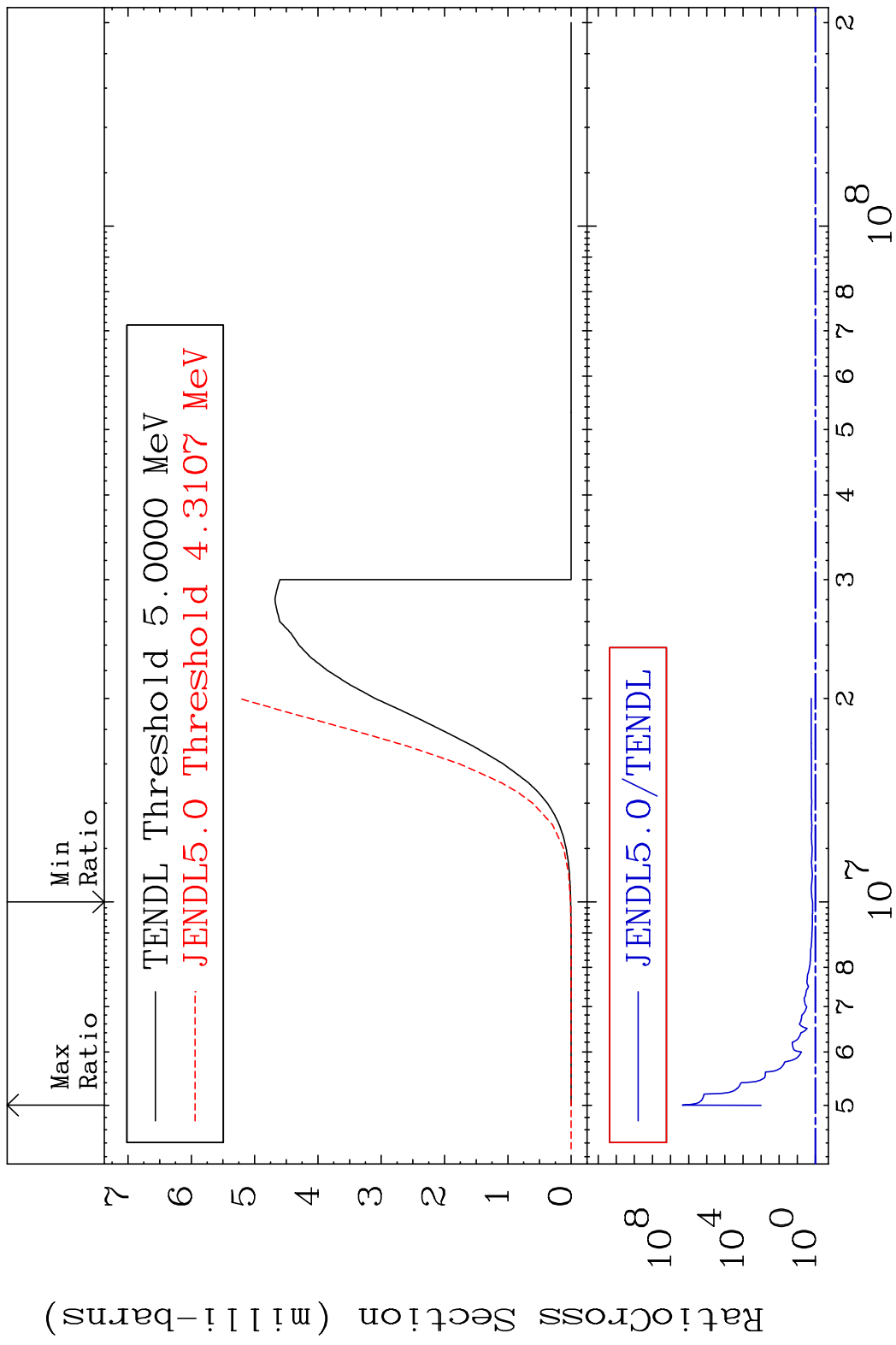
MAT 5255 (n,2n) p:51-Sb-128g 52-Te-130
 Radionuclide Production Cross Section Ratio



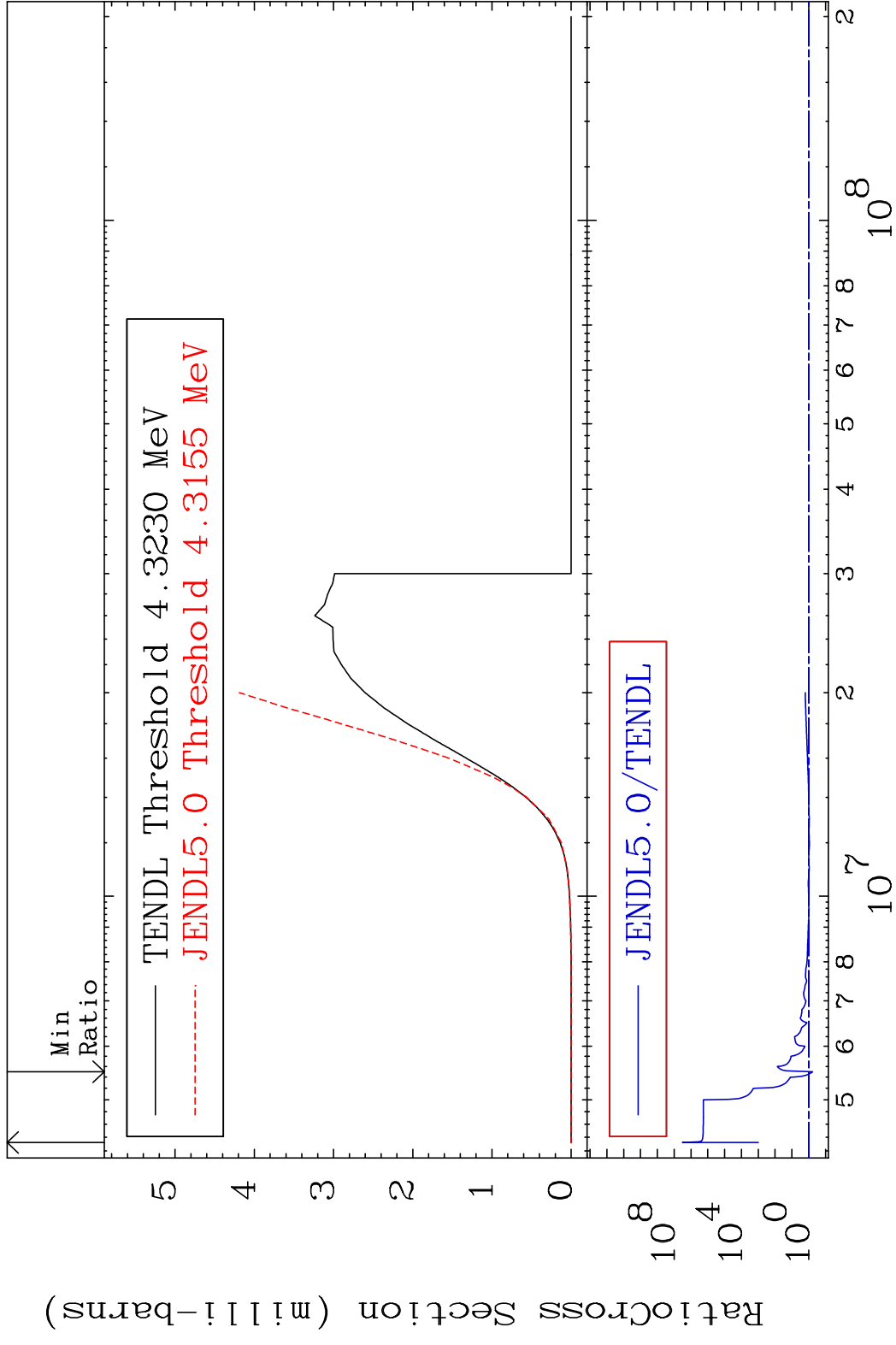
MAT 5255 (n,2n) p:51-Sb-128m1 52-Te-130
 Radionuclide Production Cross Section Ratio -23.67%



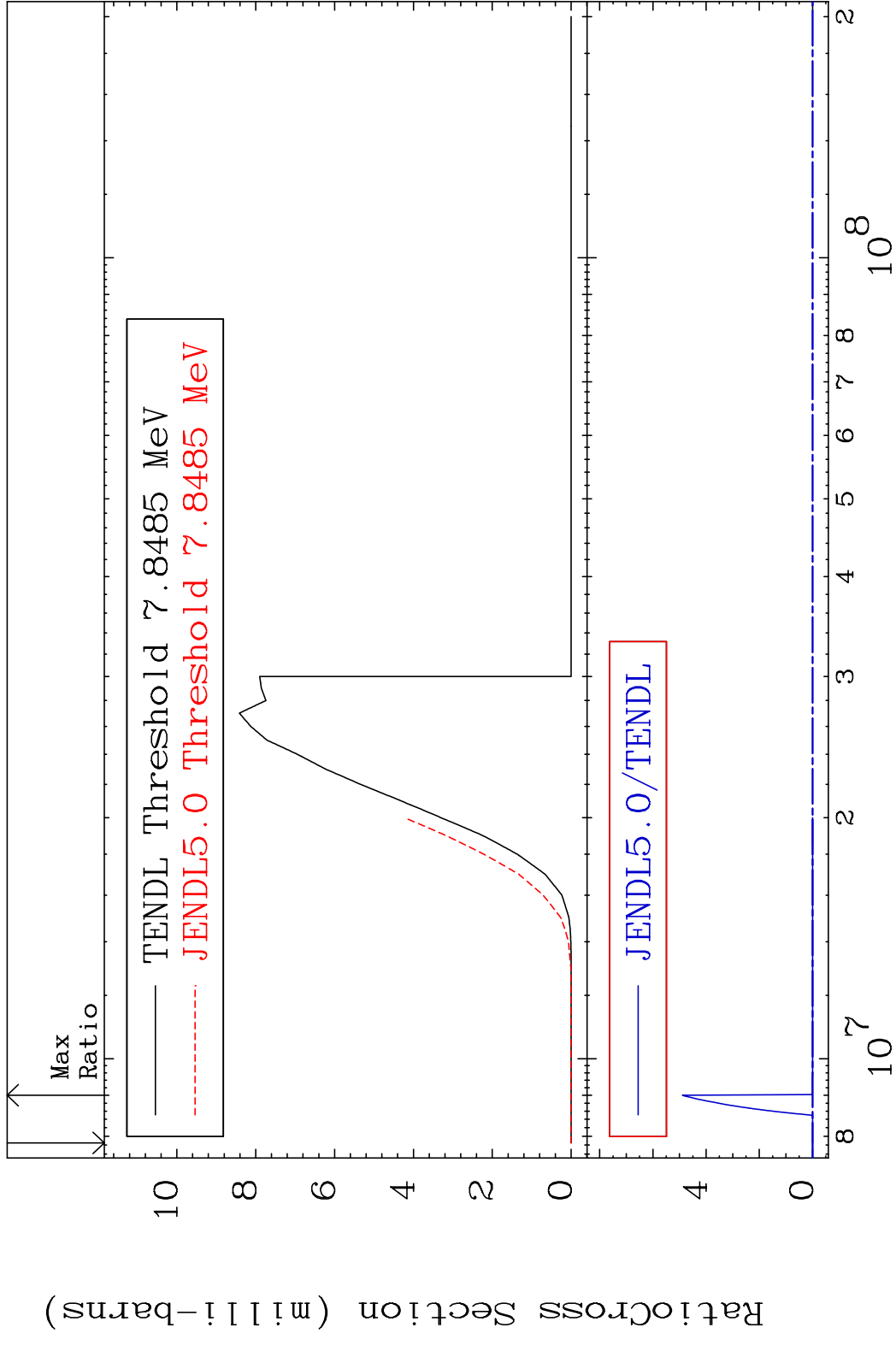
MAT 5255 (n,p):51-Sb-130g 52-Te-130
 Radionuclide Production Cross Section 9999. %

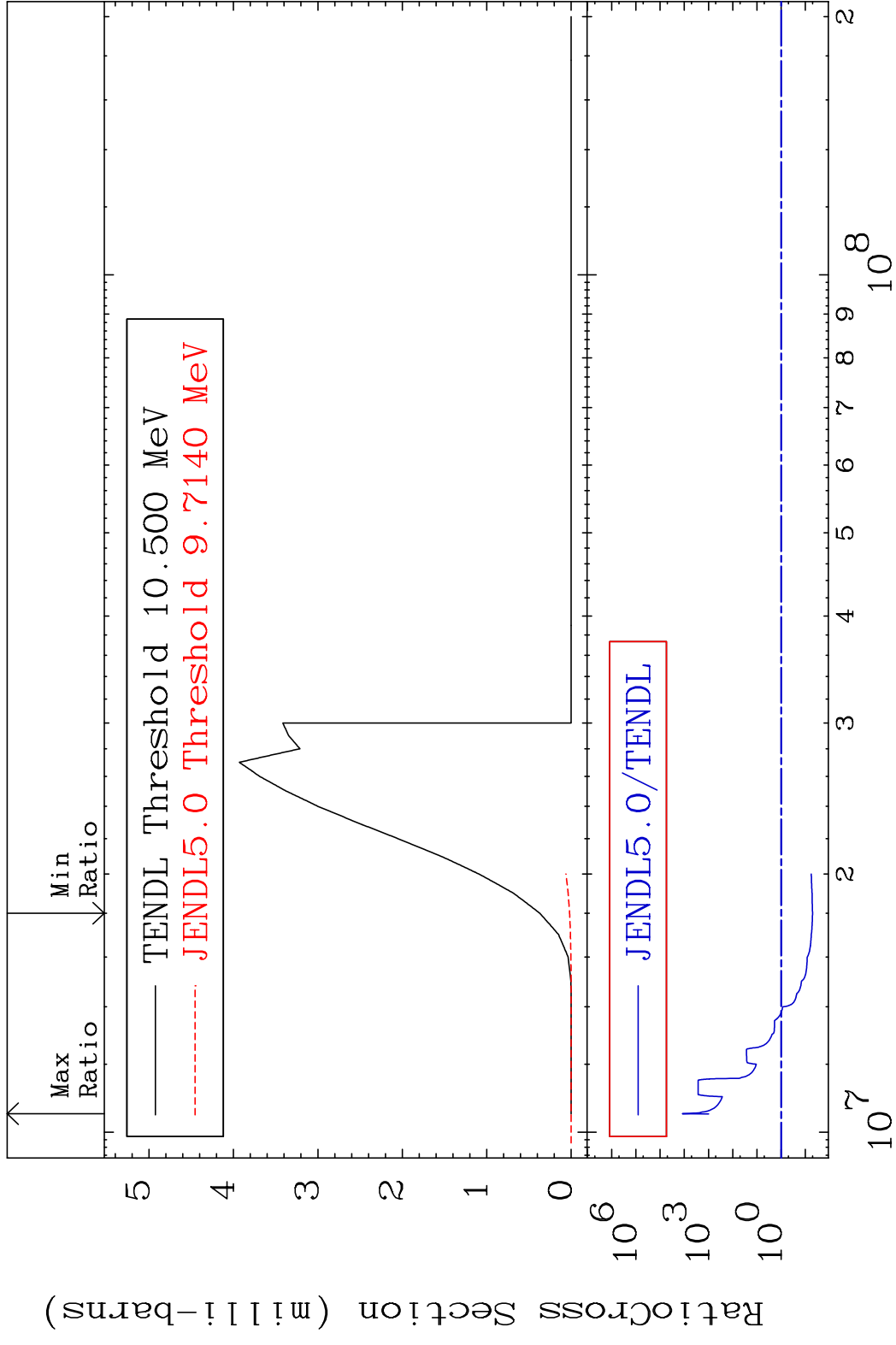


MAT 5255 (n,p):51-Sb-130m1 52-Te-130
 Radionuclide Production Cross Section 4.3155 MeV 9999. %

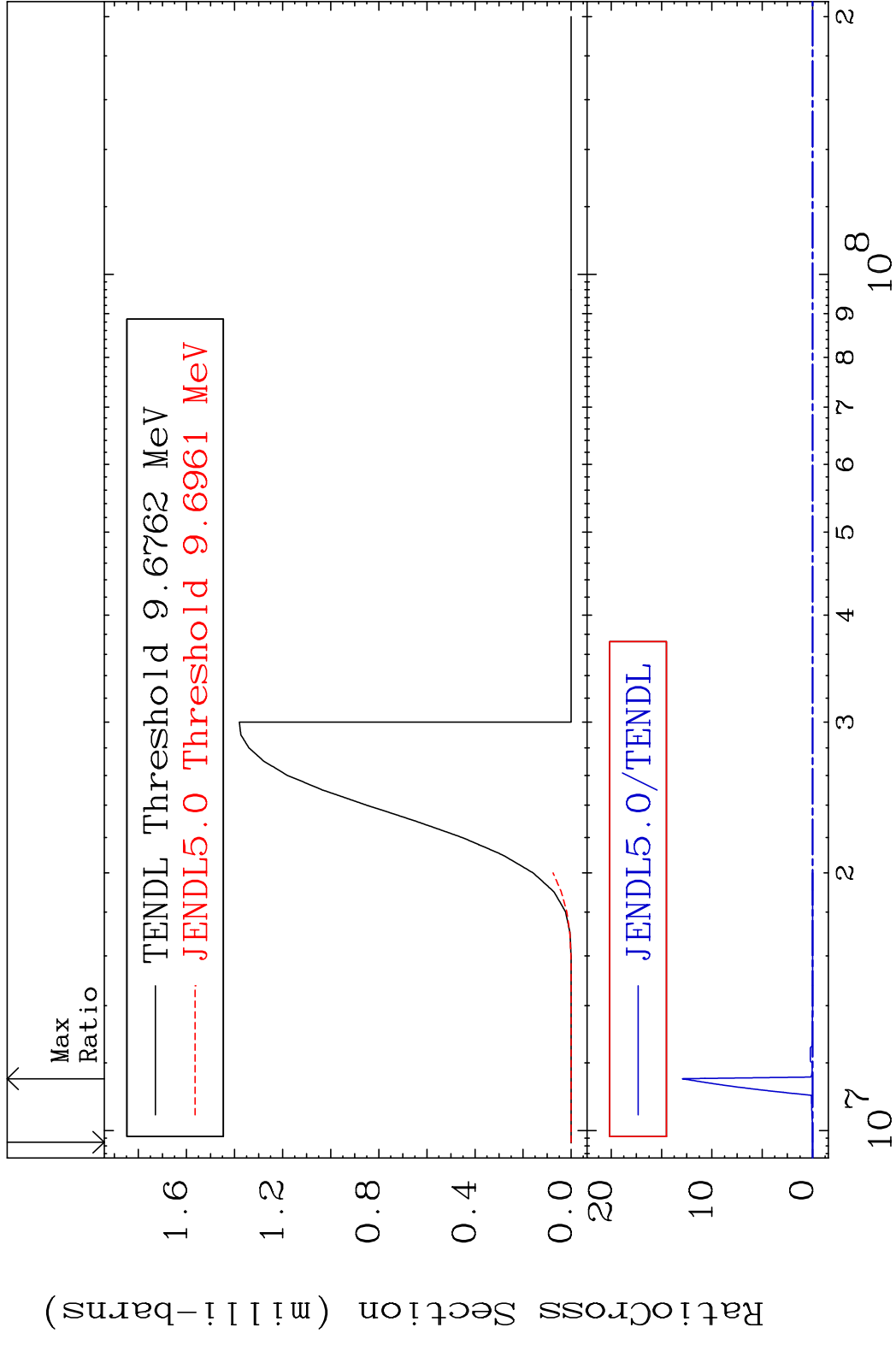


MAT 5255 (n,d):51-Sb-129g 52-Te-130
 Radionuclide Production Cross Section 100.00 % 9999. %



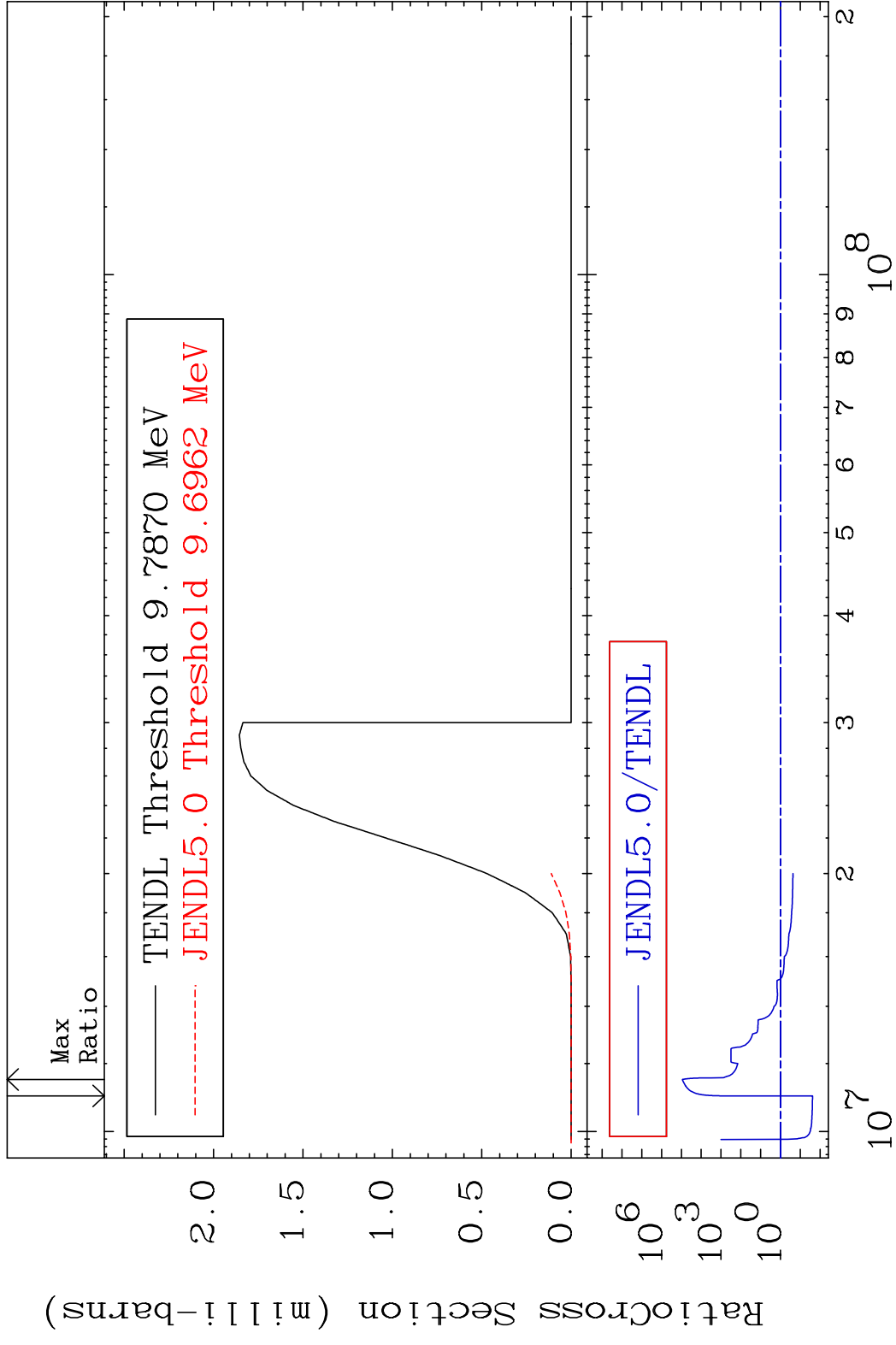


MAT 5255 (n,t):51-Sb-128g 52-Te-130
 Radionuclide Production Cross Section 100.00 dth 9999. %



76 Incident Energy (eV) 52-Te-130

MAT 5255 (n, t):51-Sb-128m1 52-Te-130
 Radionuclide Production Cross Section 9999. %



MAT 5255 (n, He-3):50-Sn-128g 52-Te-130
 Radionuclide Production Cross Section Ratio 9505. %

