

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

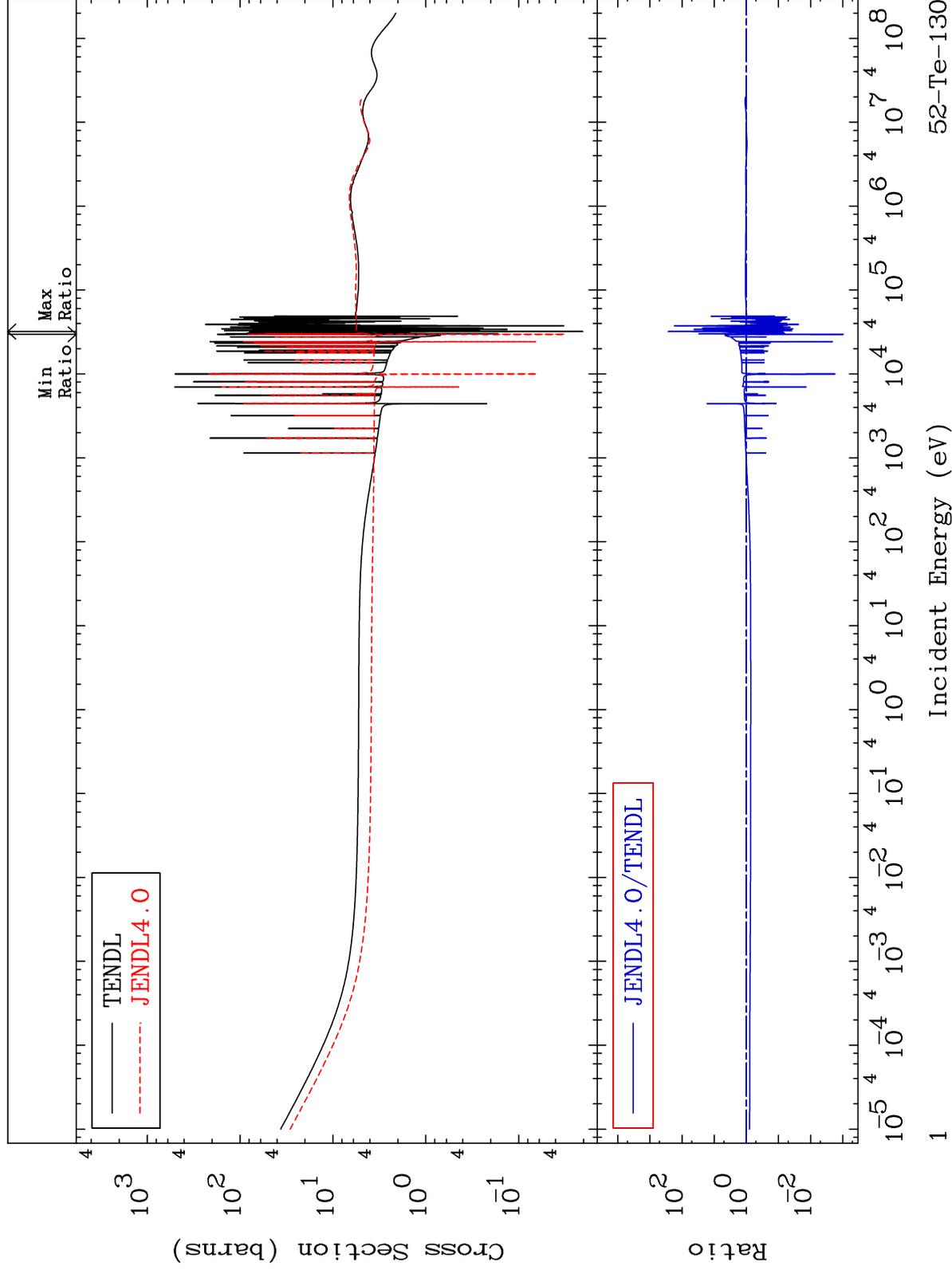
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5255

Total
Cross Section

52-Te-130
-99.90 To 9999. %



52-Te-130

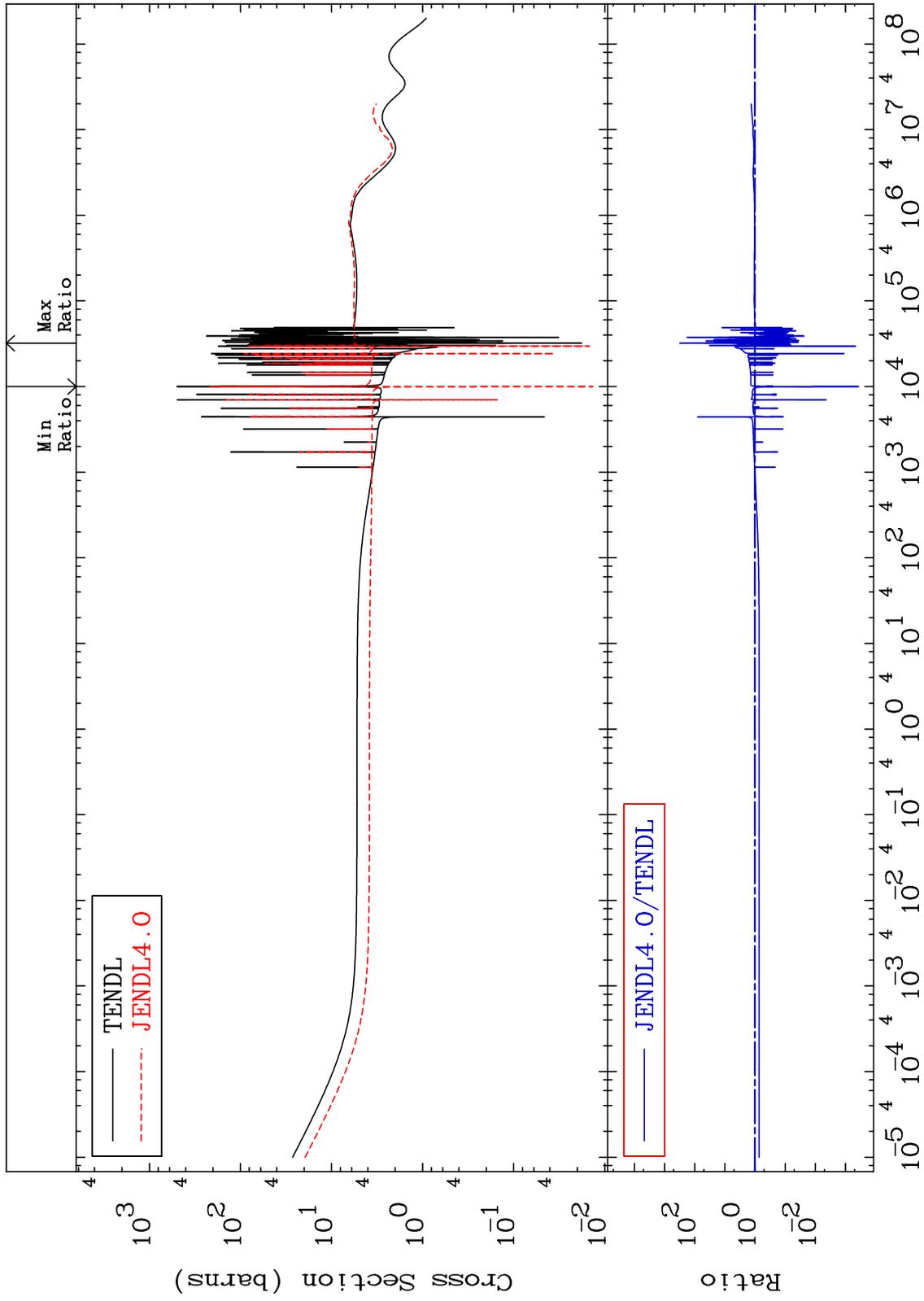
Incident Energy (eV)

1

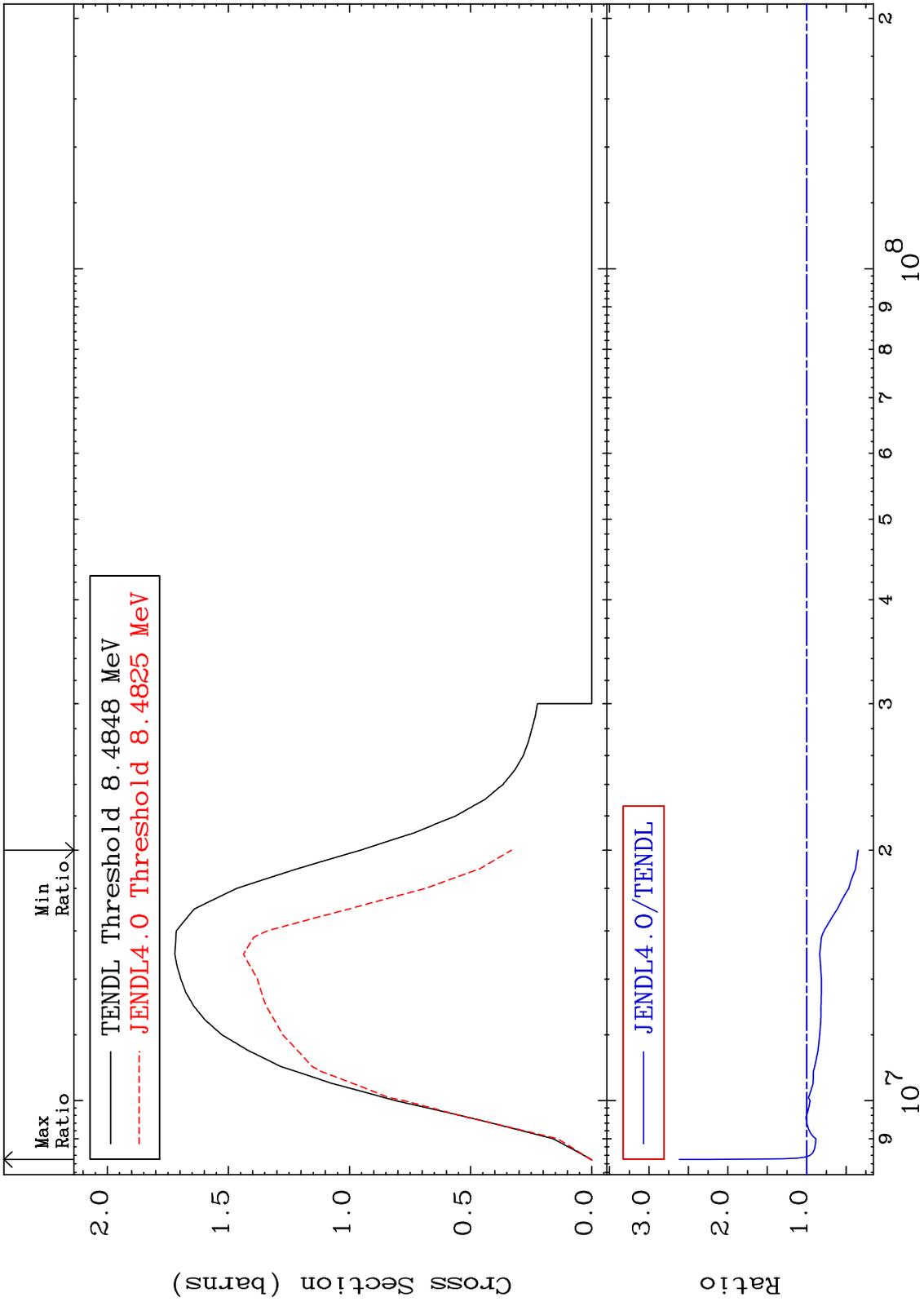
MAT 5255

Elastic
Cross Section

52-Te-130
-99.96 To 9999. %

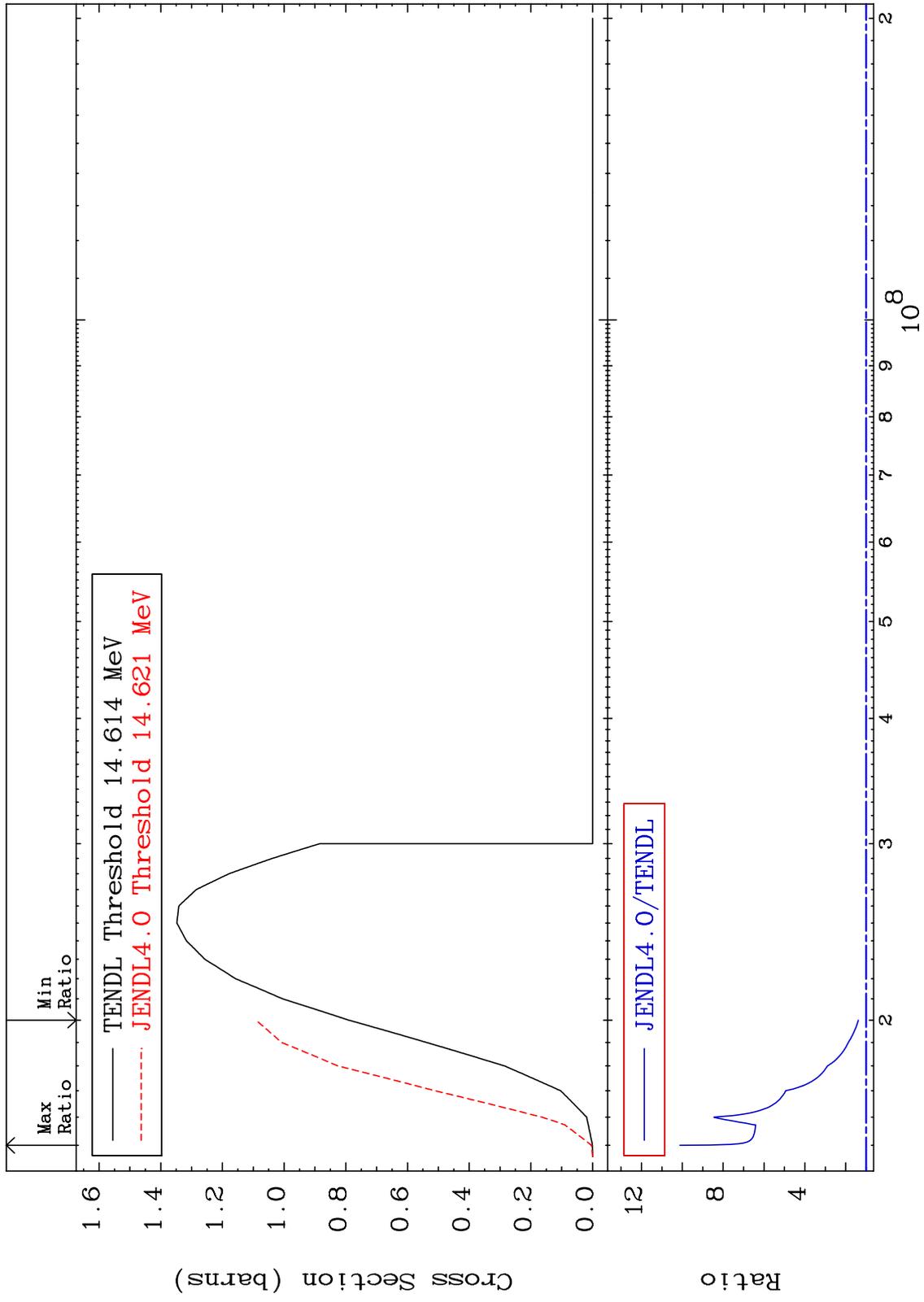


MAT 5255 (n,2n) Cross Section 52-Te-130 -65.31 To 161.5 %



4 Incident Energy (eV) 52-Te-130

MAT 5255 (n,3n) 52-Te-130
 Cross Section 38.02 To 911.7 %



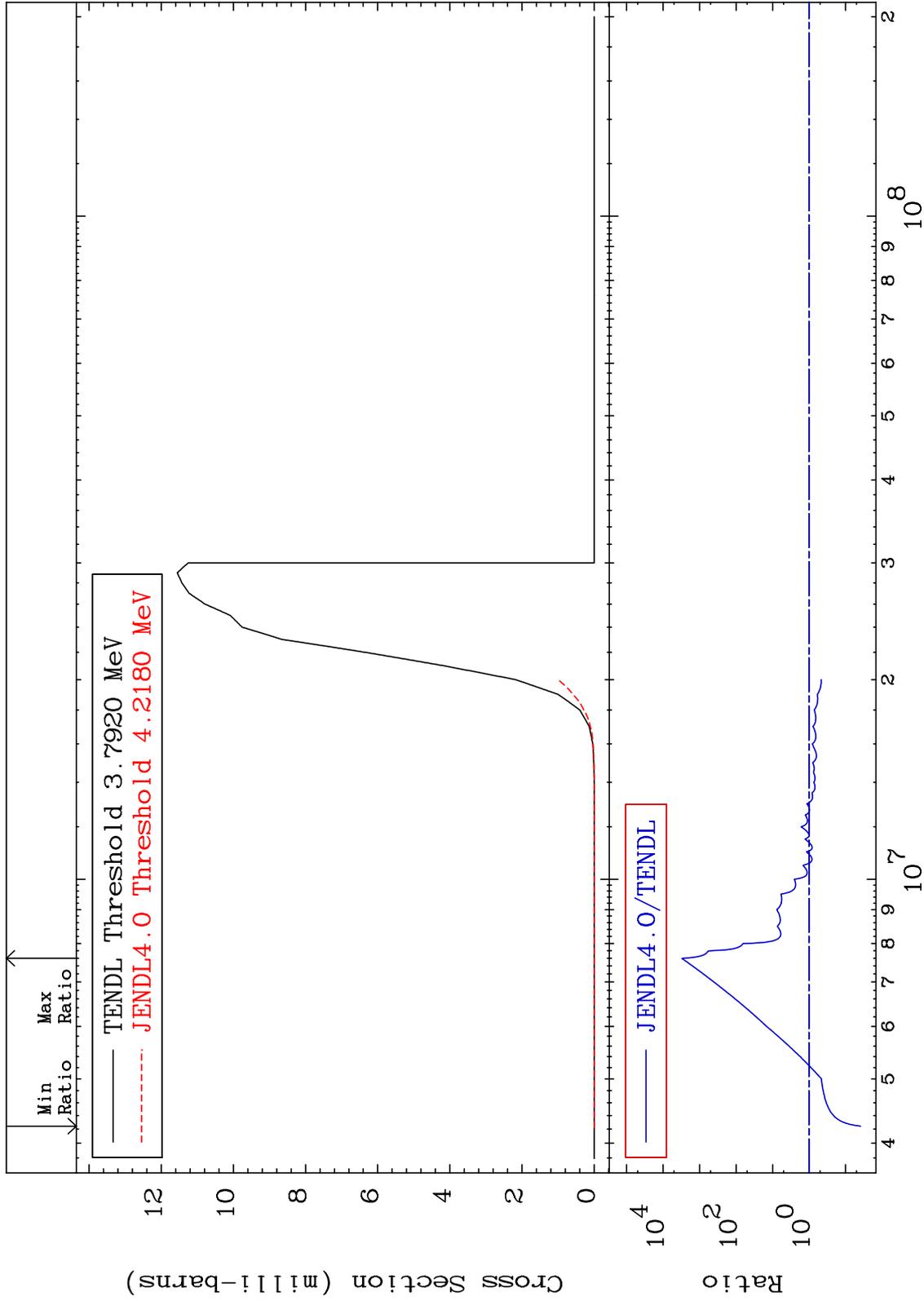
MAT 5255

(n,n') α

52-Te-130

Cross Section

-96.15 To 9999. %



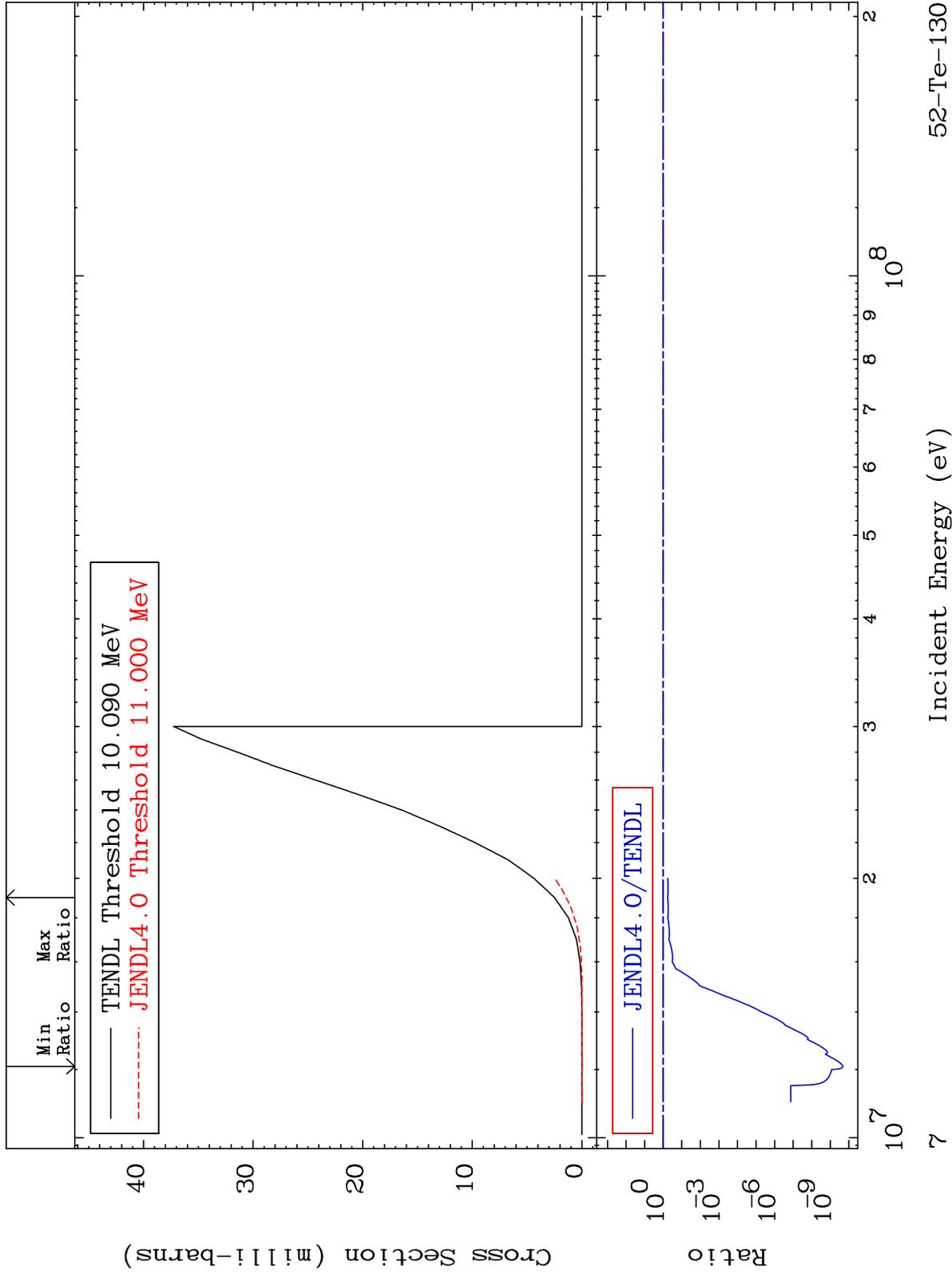
MAT 5255

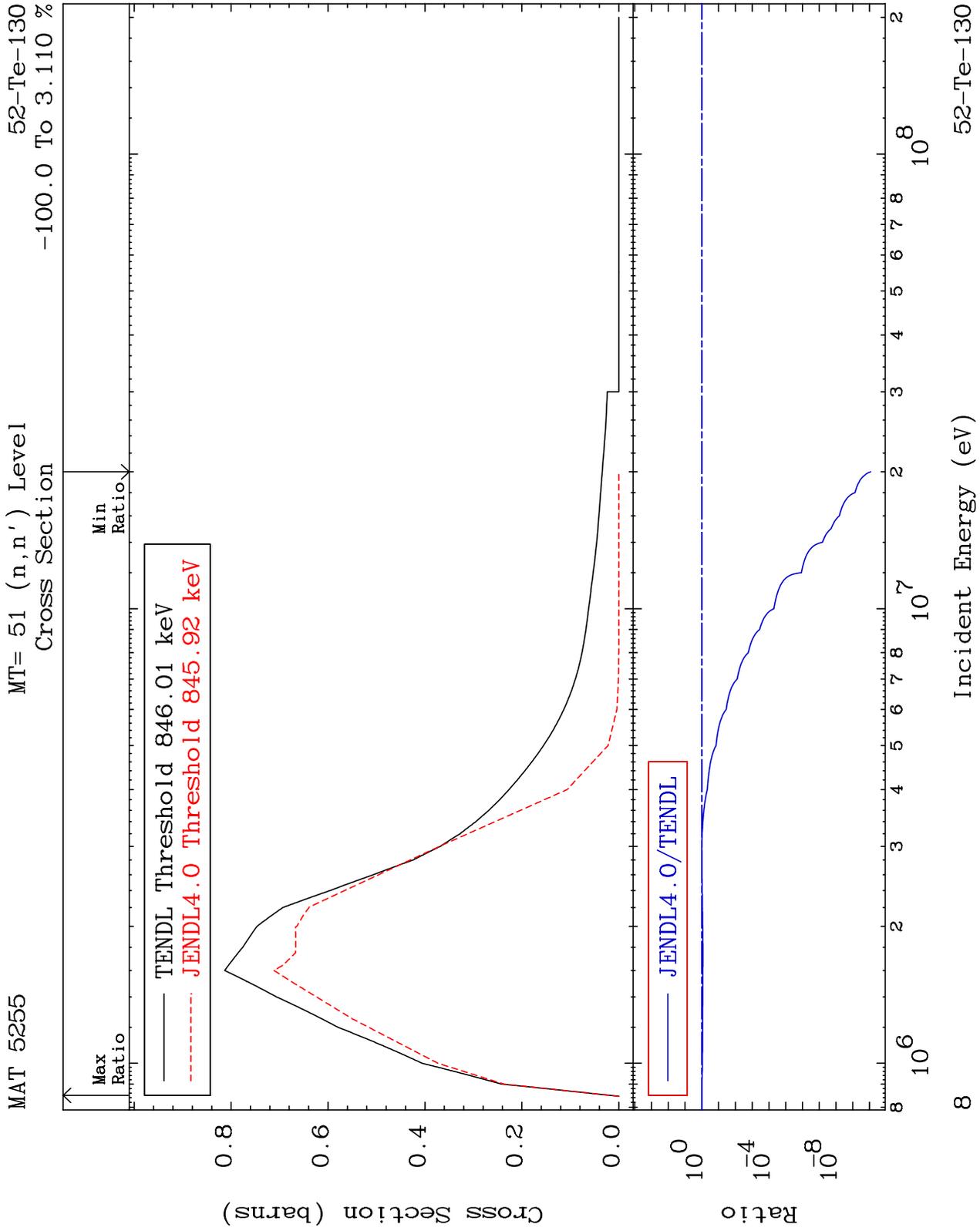
(n,n') p

52-Te-130

Cross Section

-100.0 To -42.06%

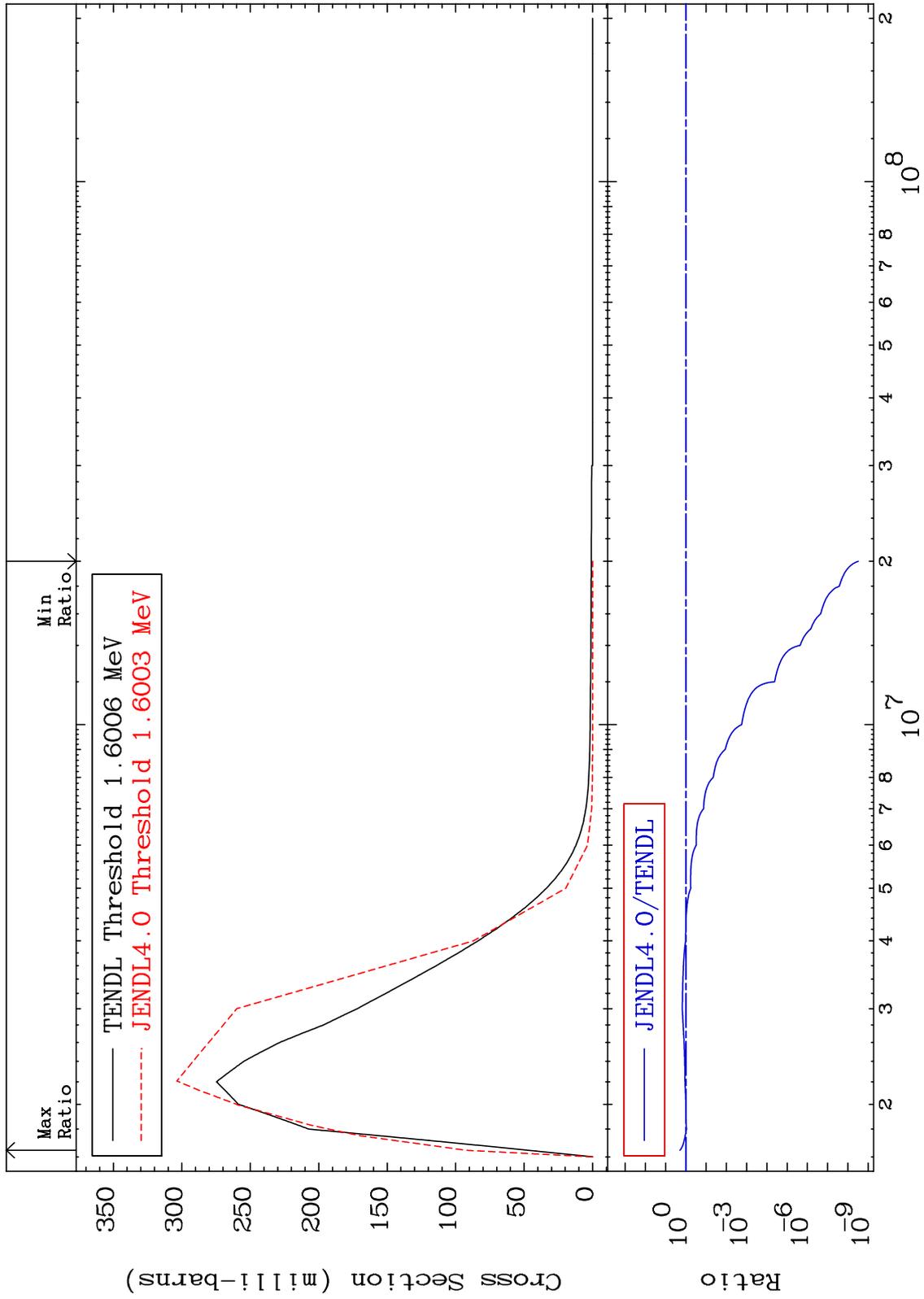


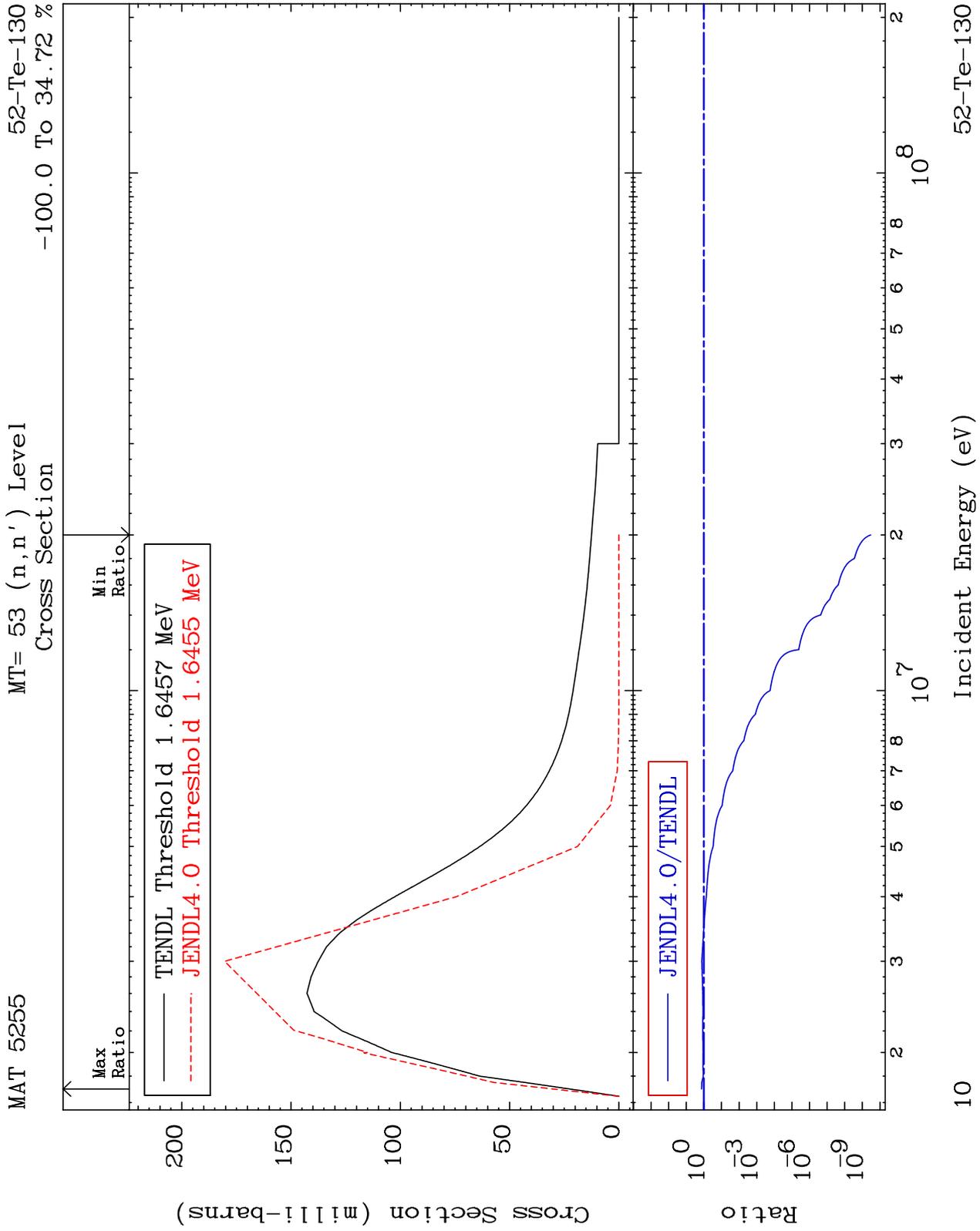


MAT 5255

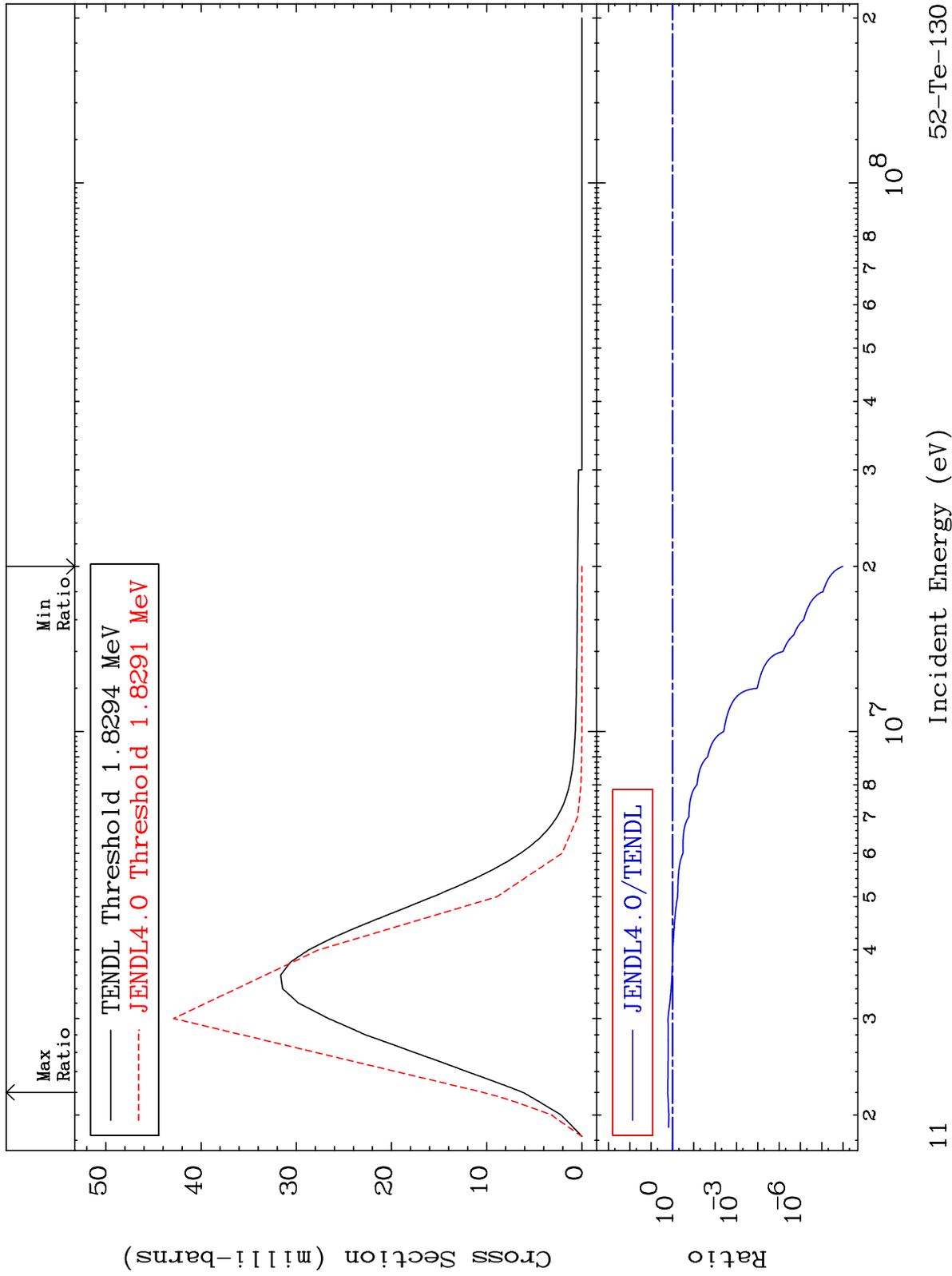
MT= 52 (n,n') Level
Cross Section

52-Te-130
-100.0 To 96.84 %

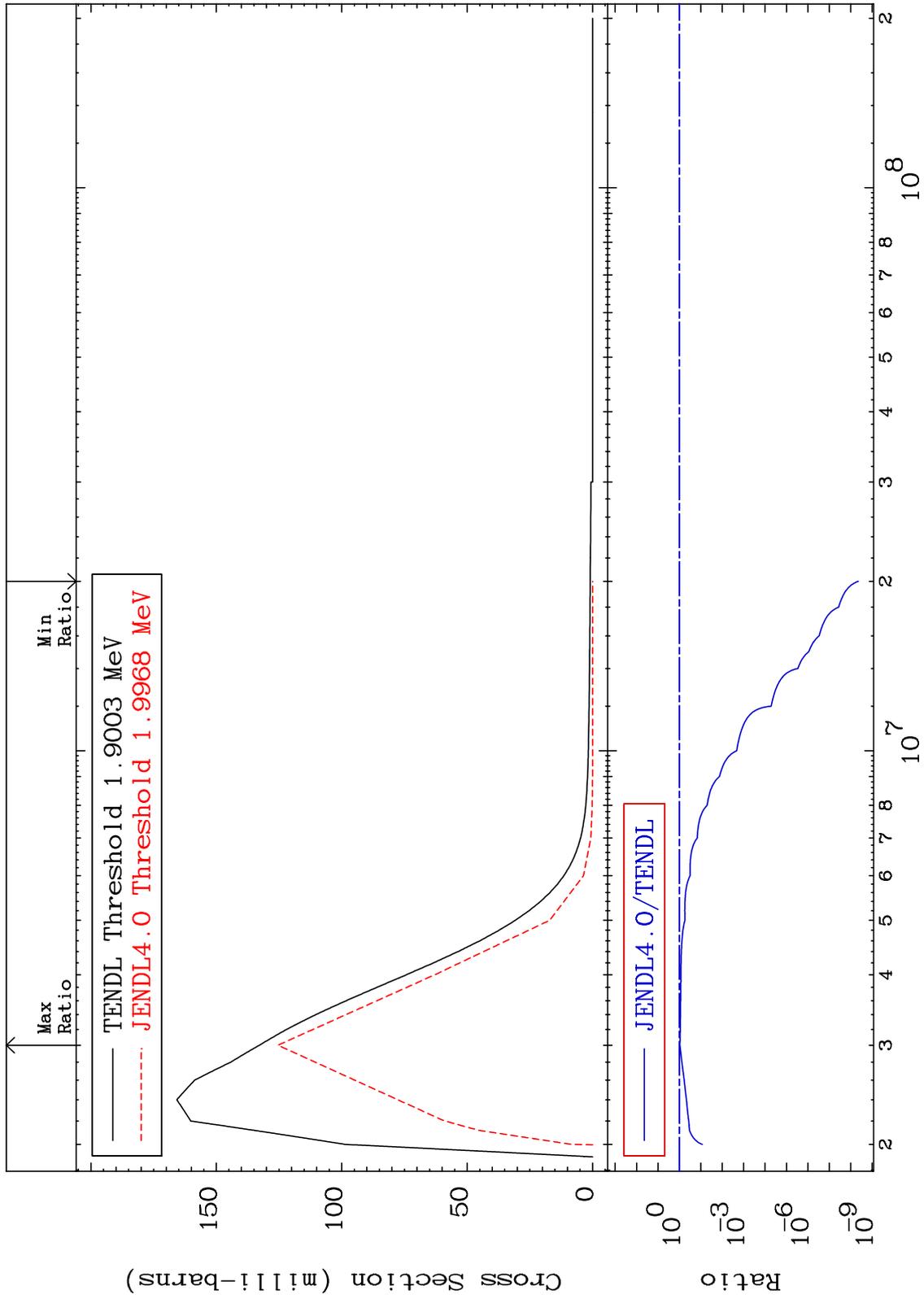




MAT 5255 MT= 54 (n,n') Level Cross Section 52-Te-130
 -100.0 To 68.53 %



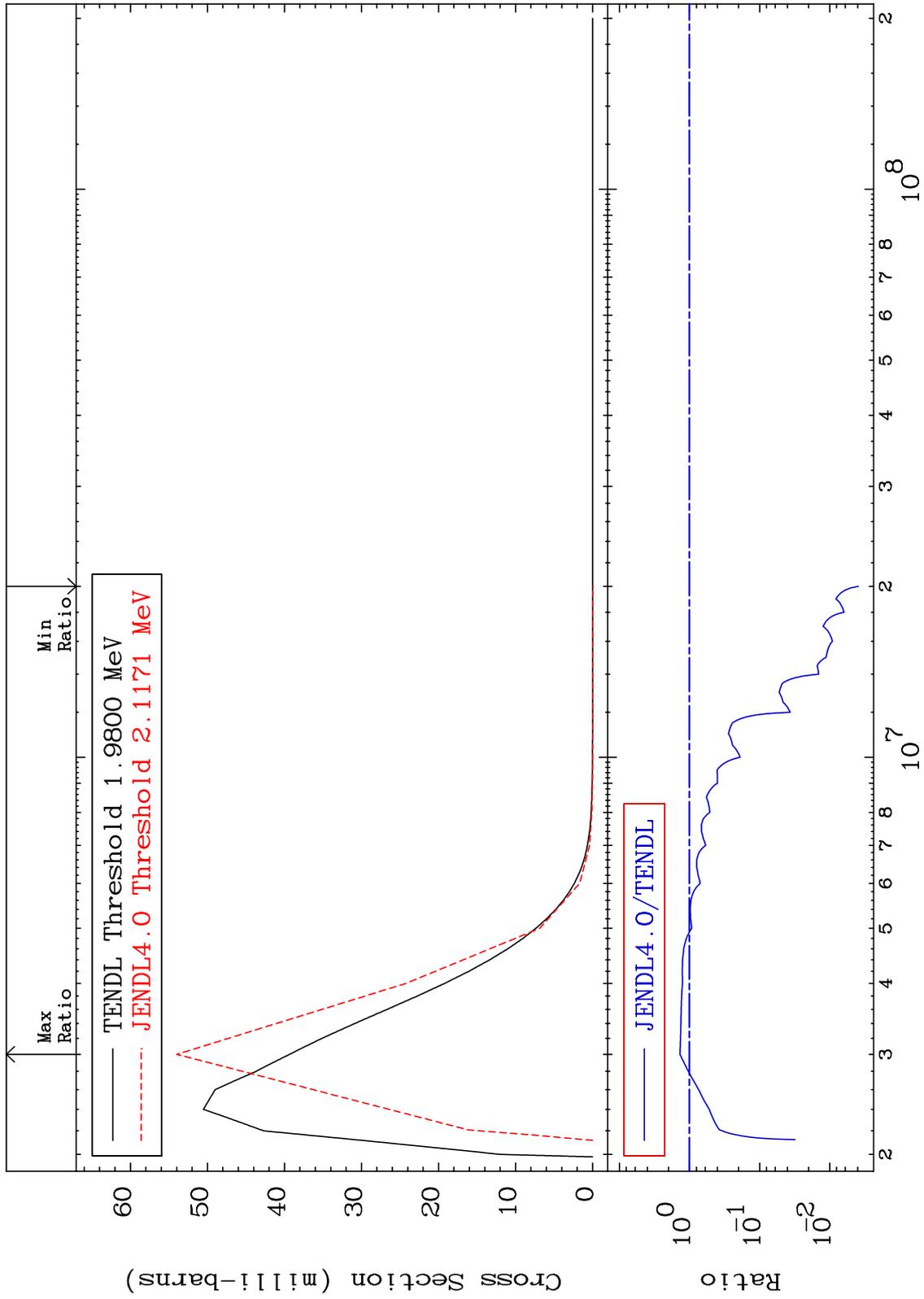
MAT 5255 MT= 55 (n,n') Level Cross Section 52-Te-130
 -100.0 To -5.560%

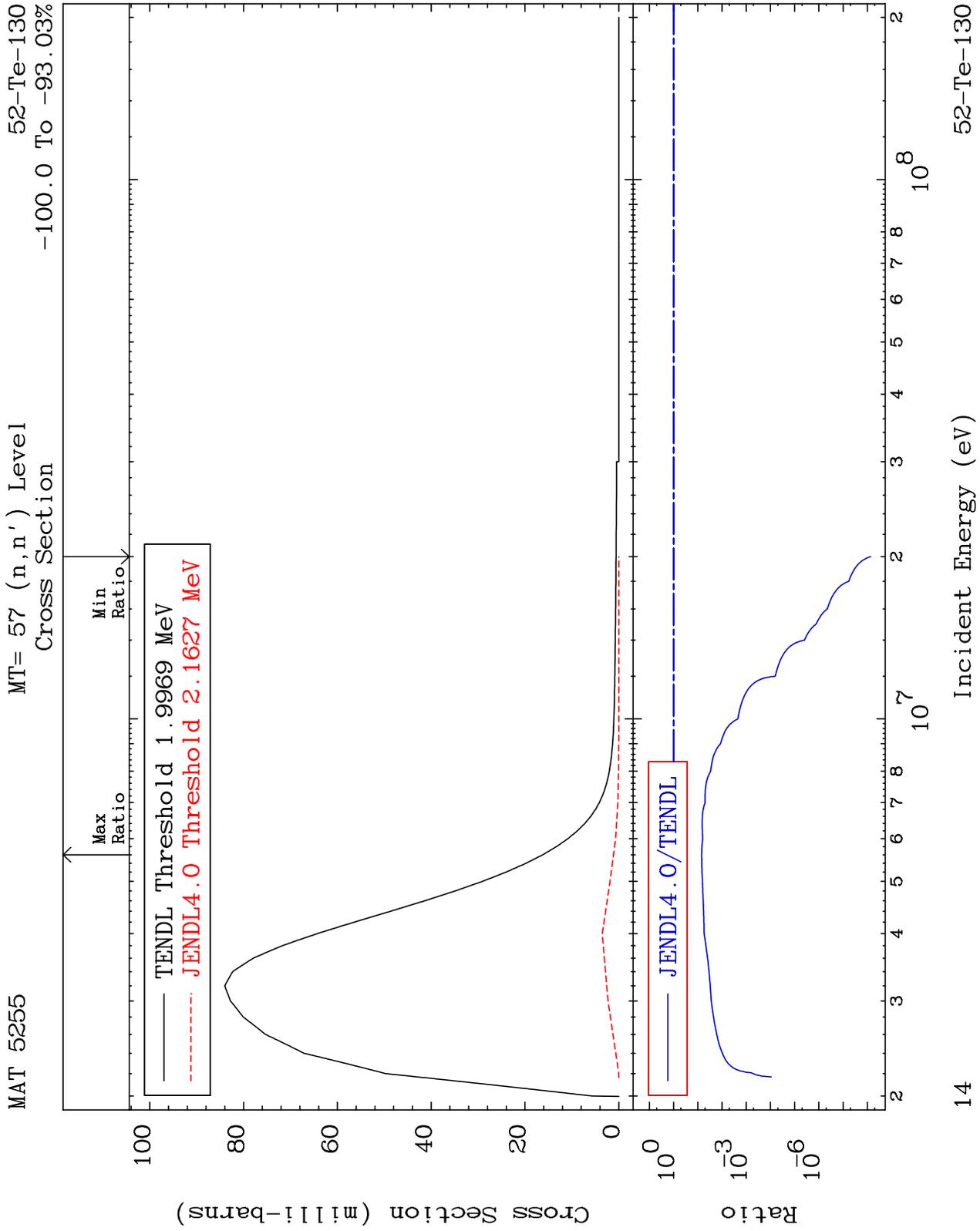


MAT 5255

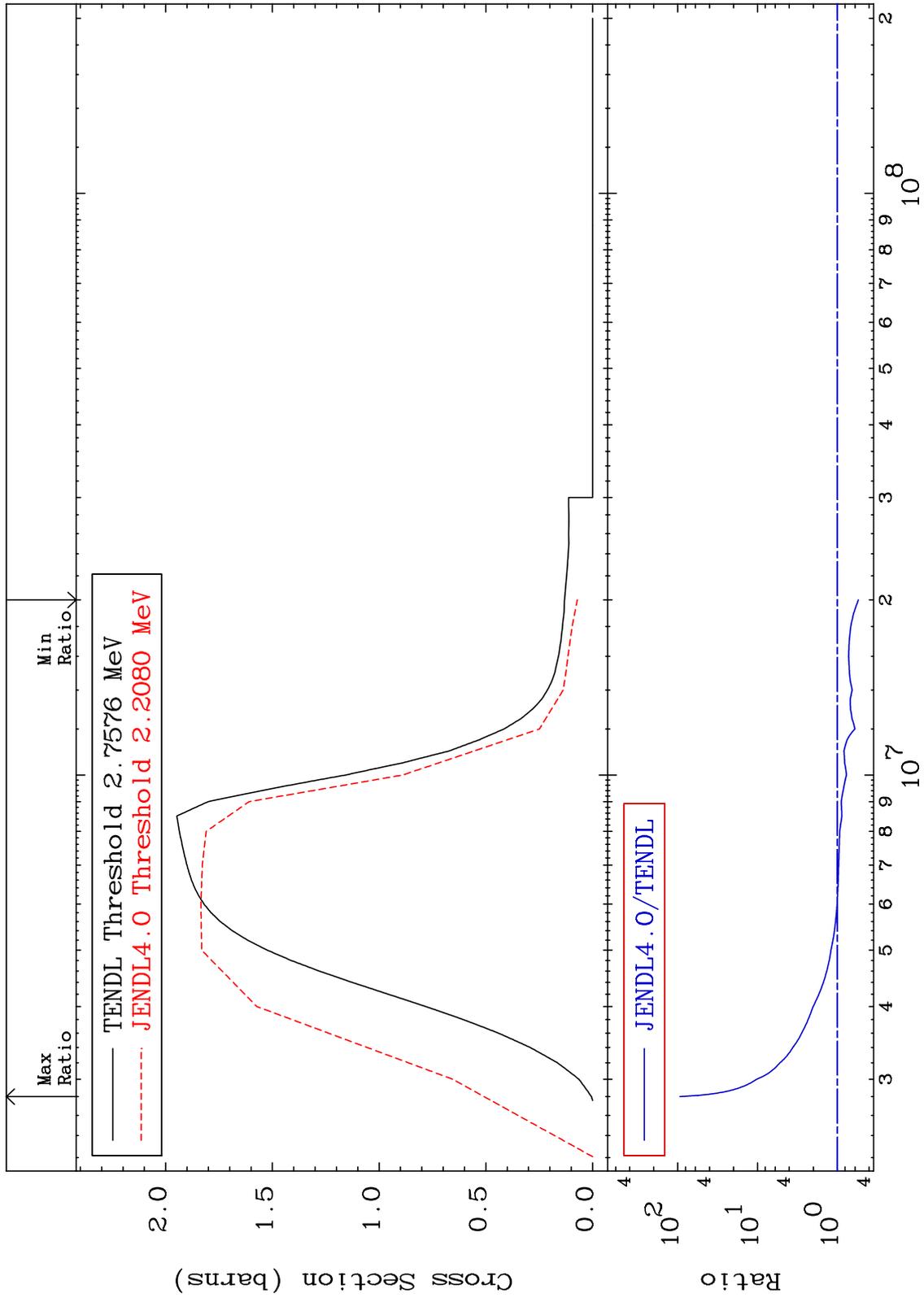
MT= 56 (n,n') Level
Cross Section

52-Te-130
-99.61 To 37.23 %





MAT 5255 (n, n') Continuum Cross Section 52-Te-130 -45.56 To 9283. %



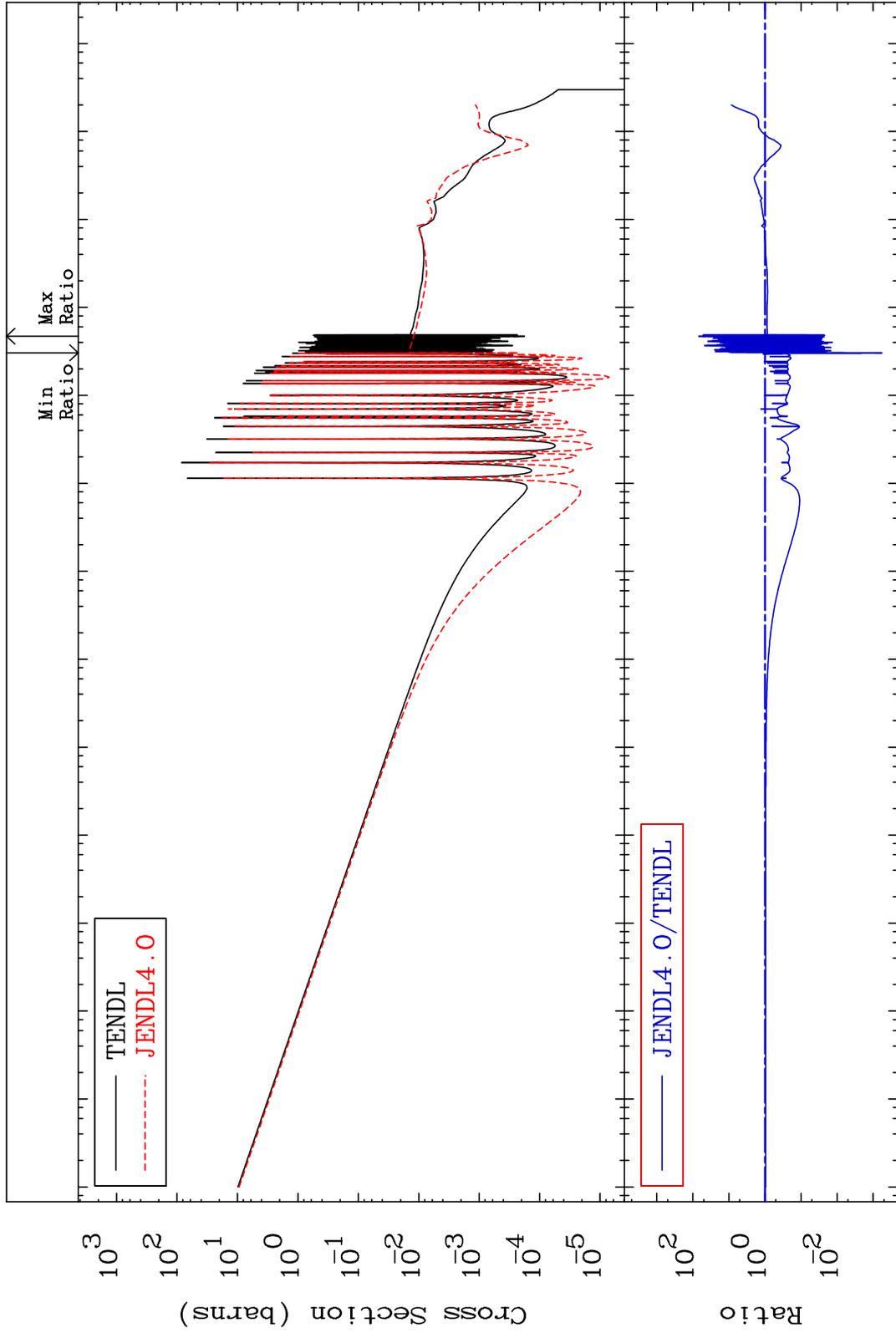
MAT 5255

(n, γ)

52-Te-130

Cross Section

-99.94 To 6771. %



Incident Energy (eV)

16

52-Te-130

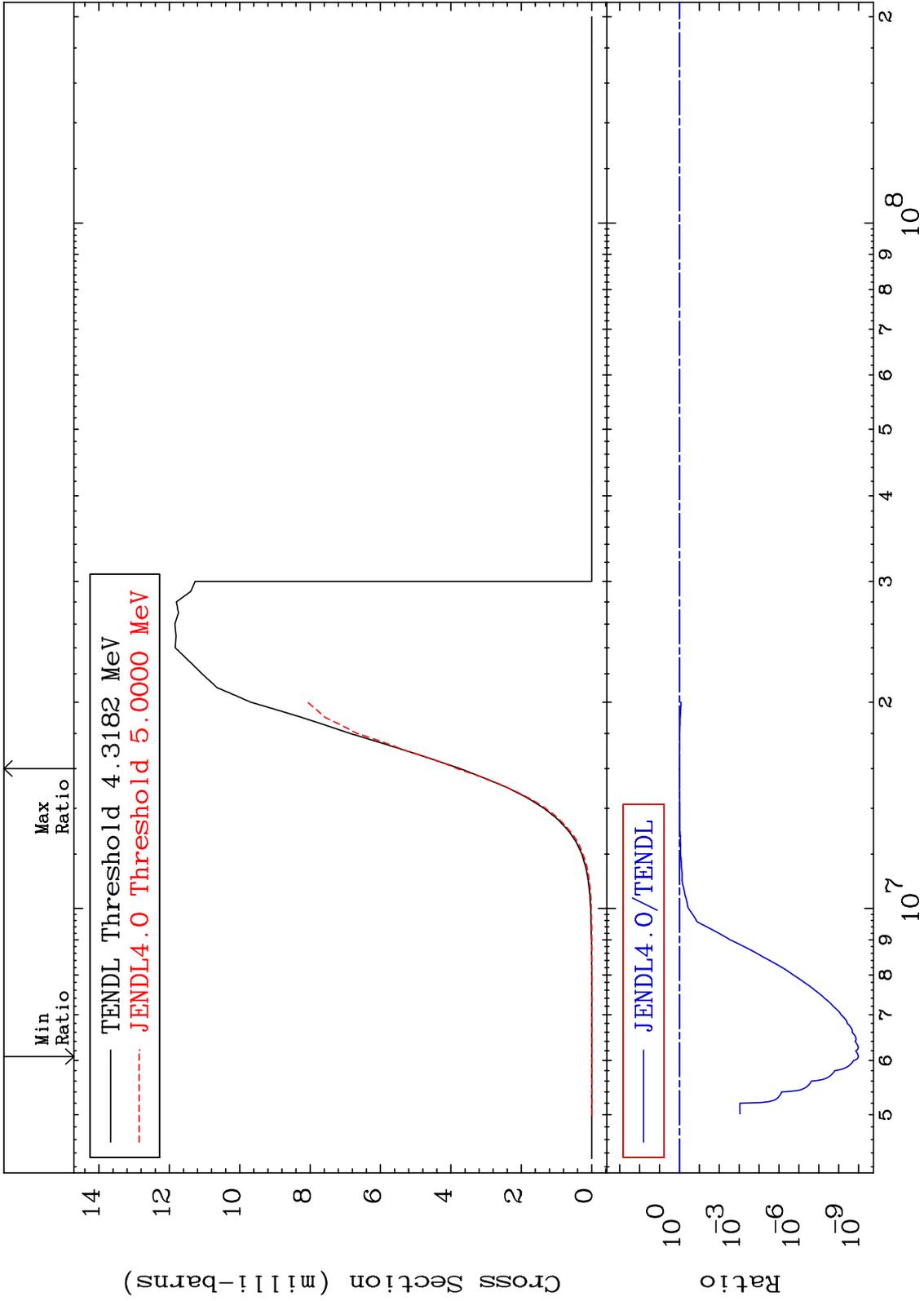
MAT 5255

(n,p)

52-Te-130

Cross Section

-100.0 To 2.284 %



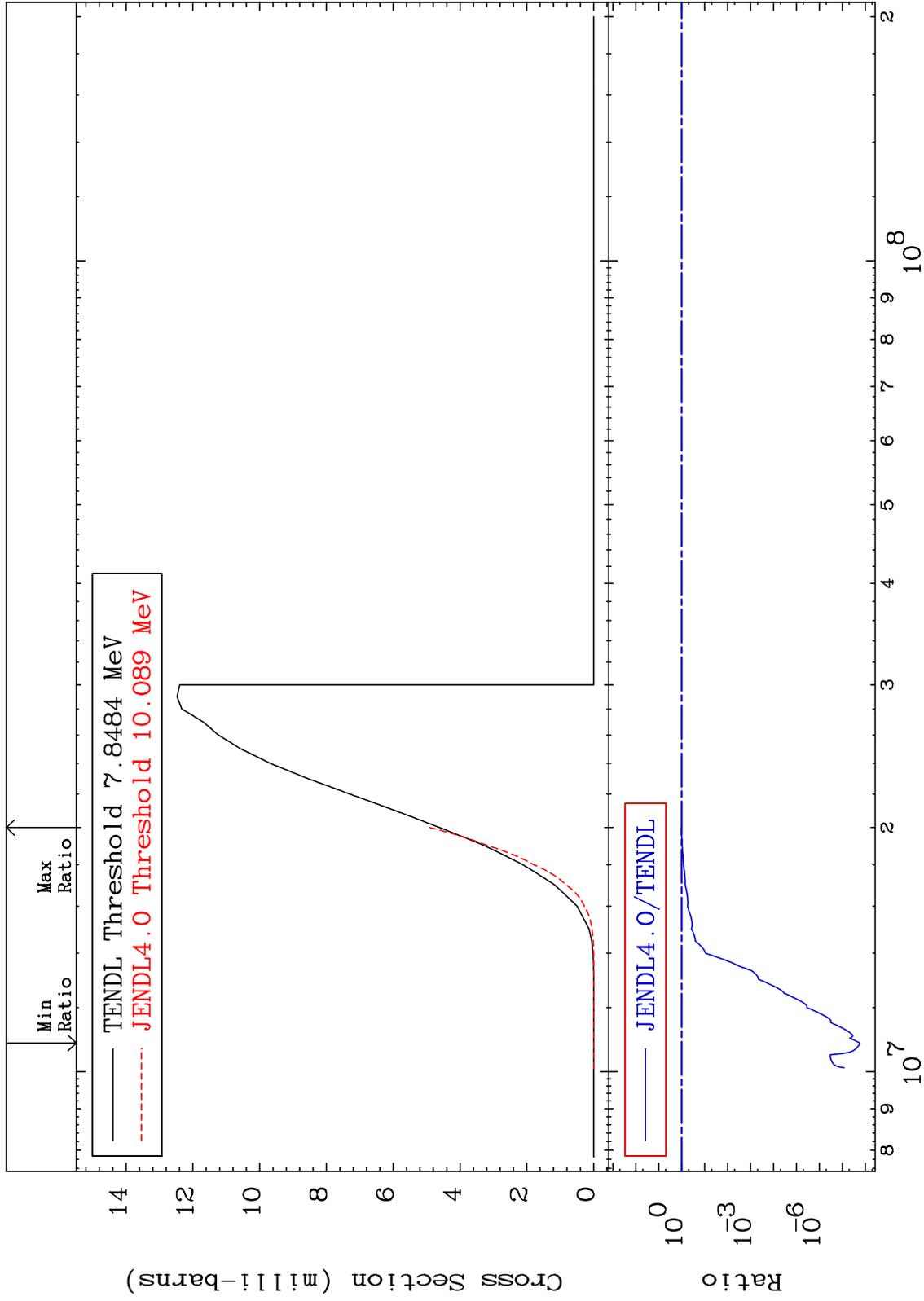
MAT 5255

(n,d)

52-Te-130

Cross Section

-100.0 To 6.375 %



Incident Energy (eV)

52-Te-130

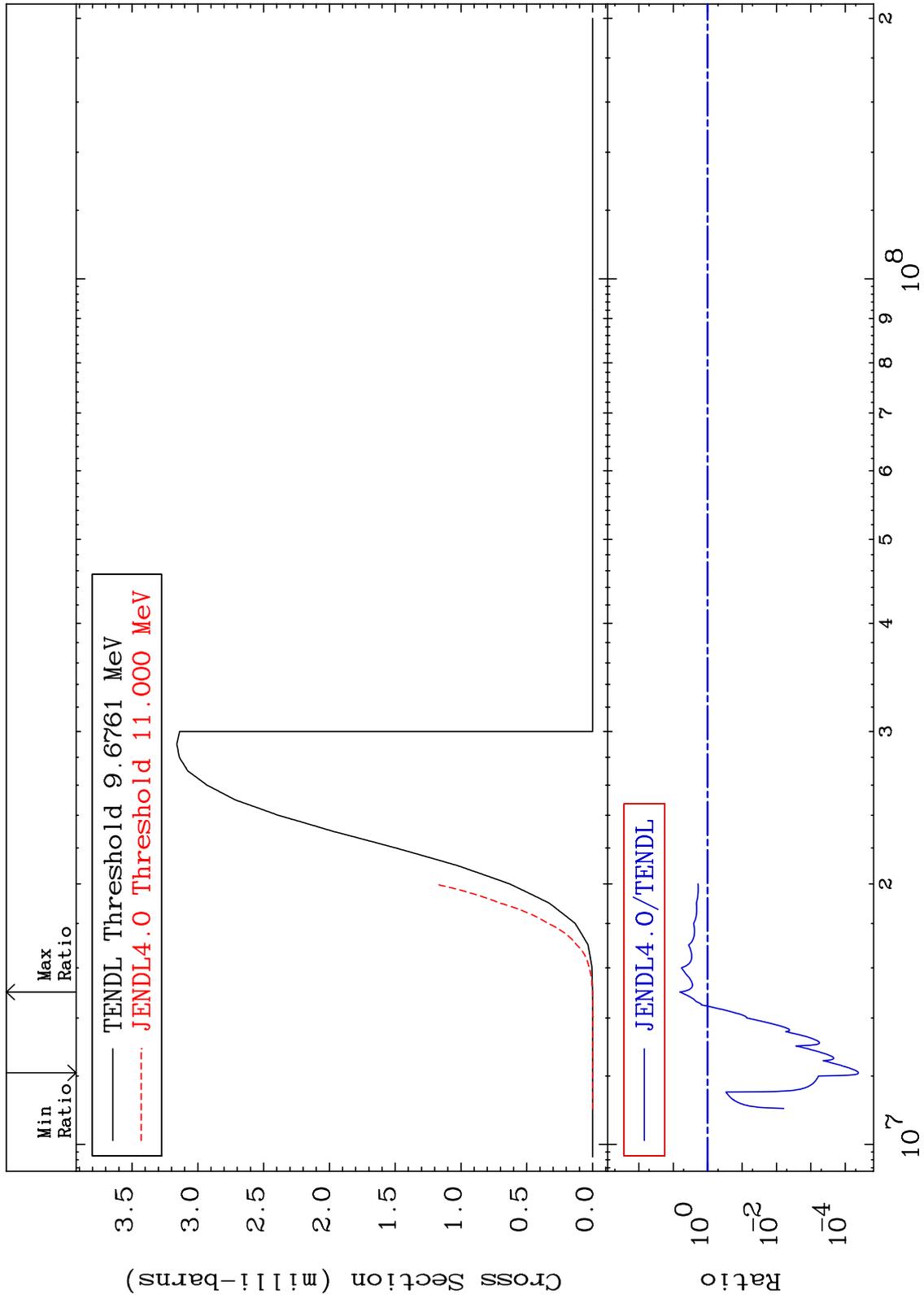
MAT 5255

(n, t)

52-Te-130

Cross Section

-100.0 To 539.2 %



Incident Energy (eV)

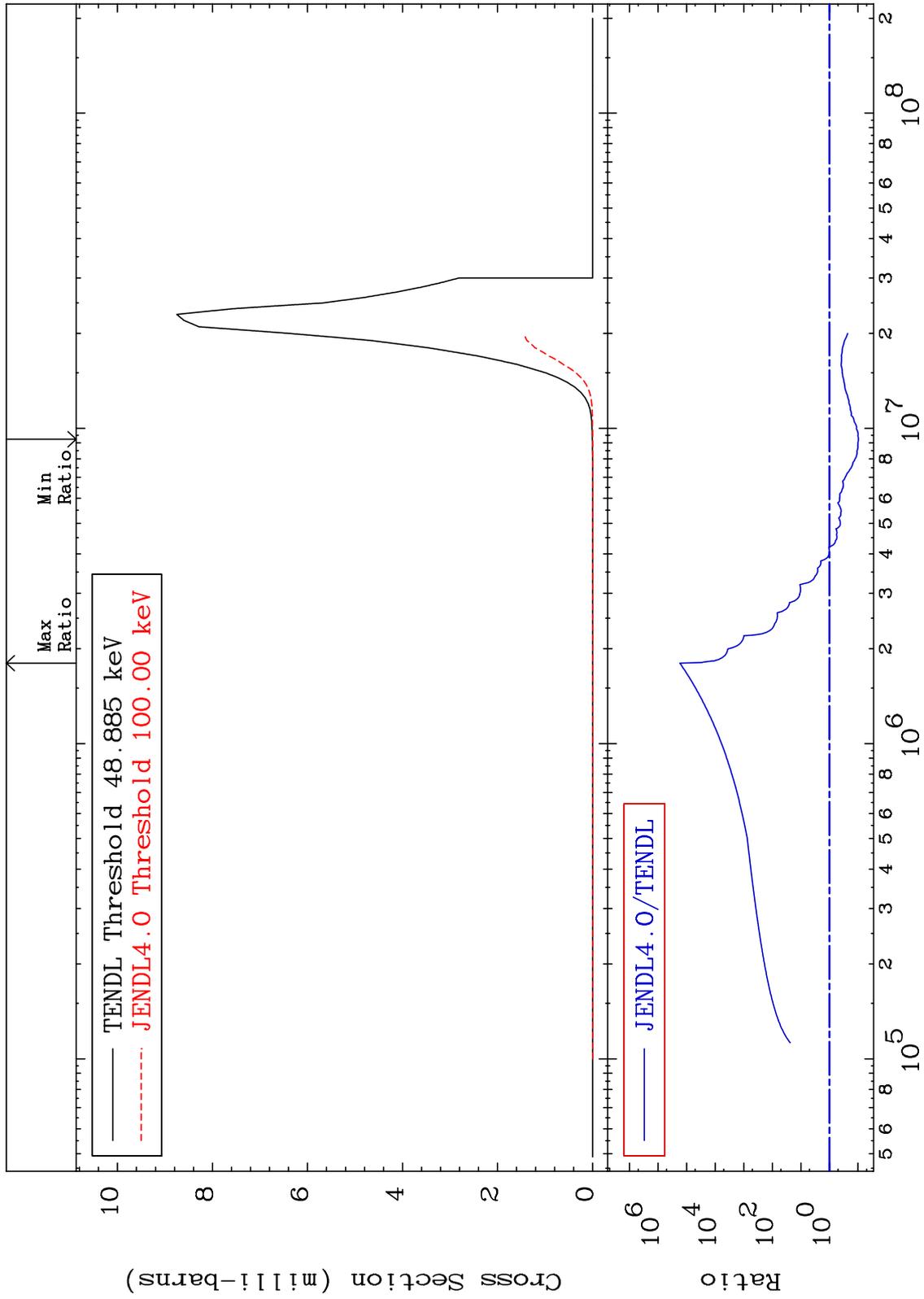
52-Te-130

19

MAT 5255

52-Te-130

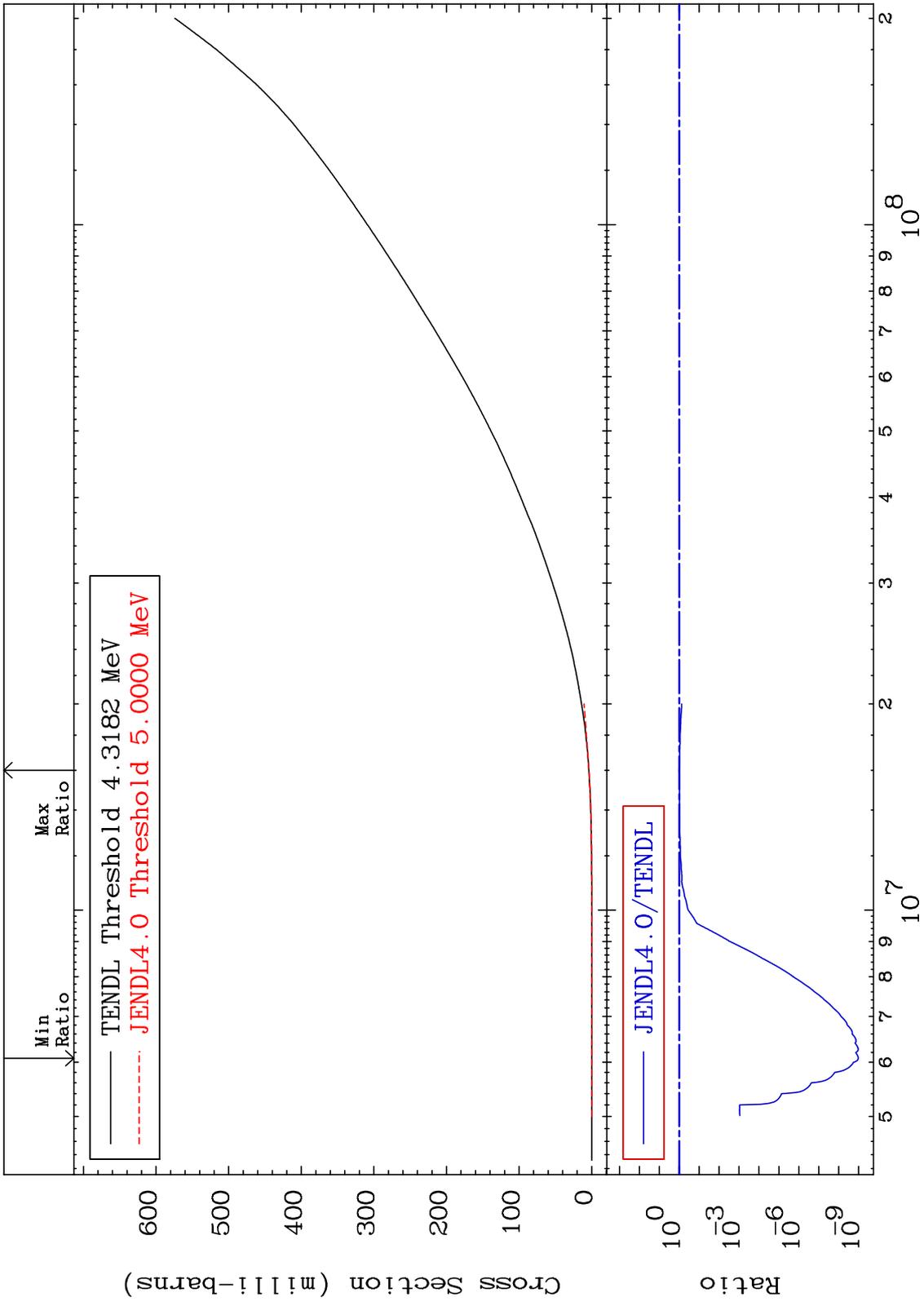
(n, α)
Cross Section
-90.31 To 9999. %



MAT 5255

Hydrogen Production Cross Section

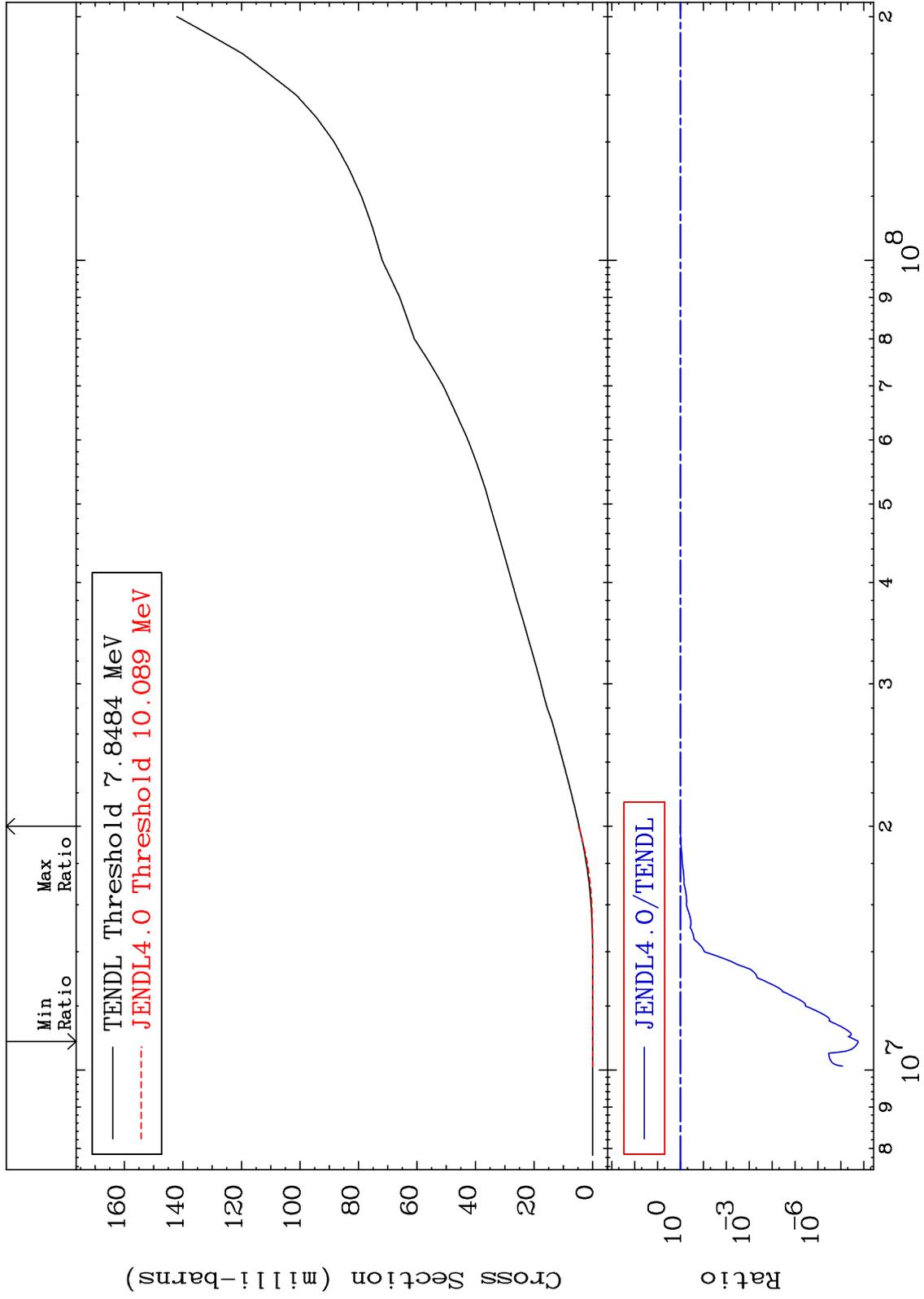
52-Te-130
-100.0 To -0.622%



MAT 5255

Deuterium Production
Cross Section

52-Te-130
-100.0 To 6.373 %



22

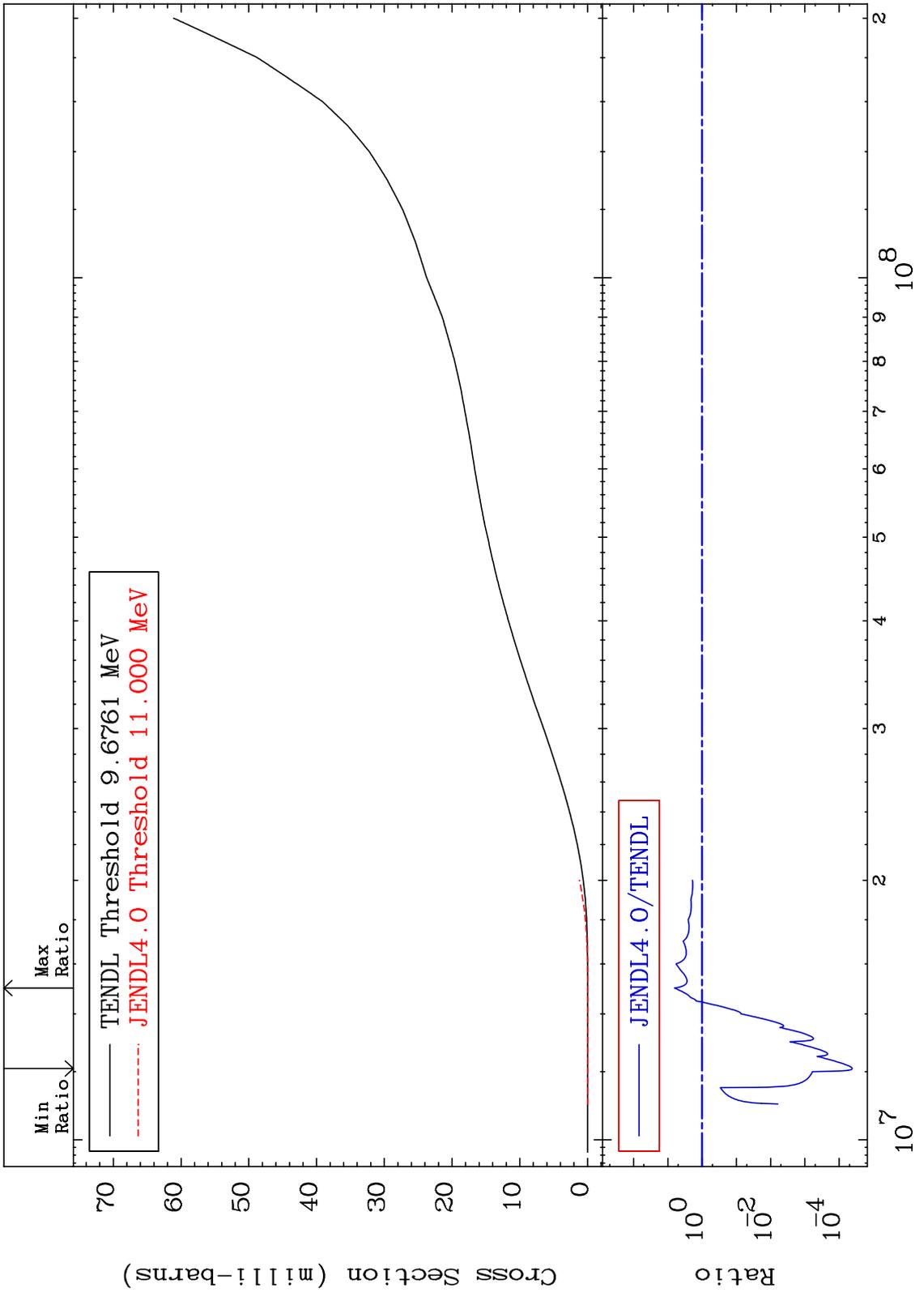
Incident Energy (eV)

52-Te-130

MAT 5255

Tritium Production
Cross Section

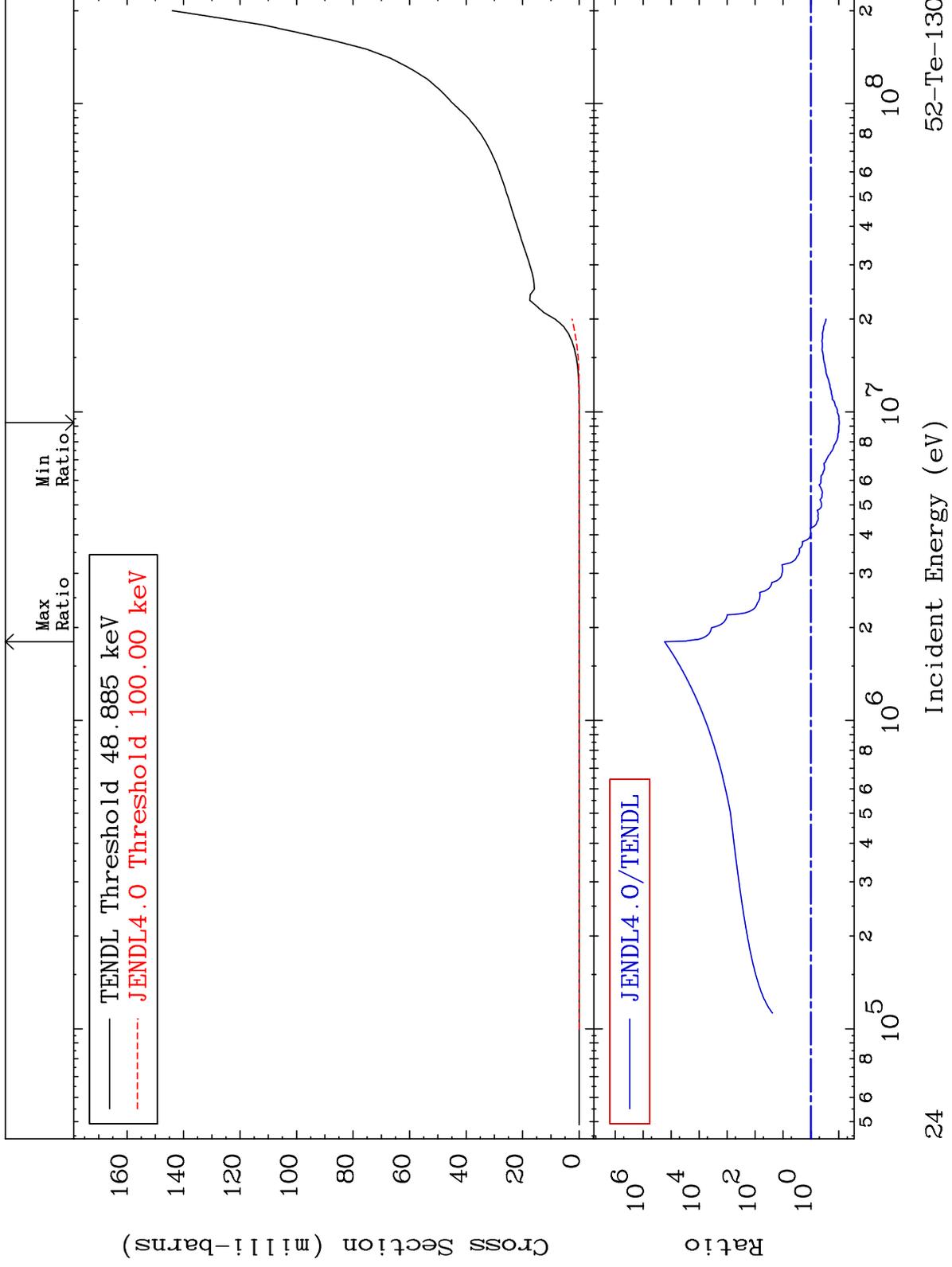
52-Te-130
-100.0 To 539.2 %



MAT 5255

He-4 Production
Cross Section

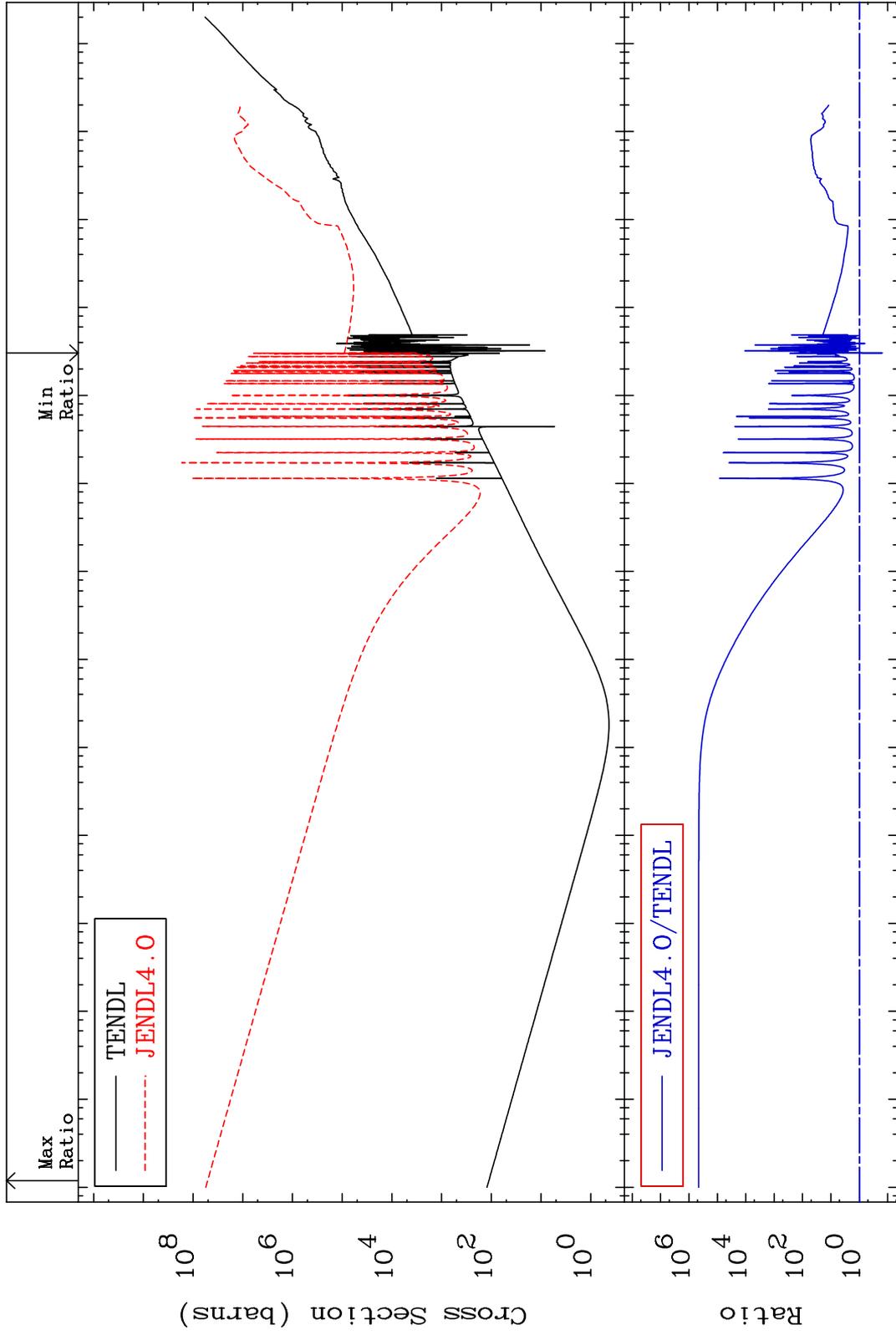
52-Te-130
-90.31 To 9999. %



MAT 5255

Kerma total (eV-barns)
Cross Section

52-Te-130
-84.24 To 9999. %



25

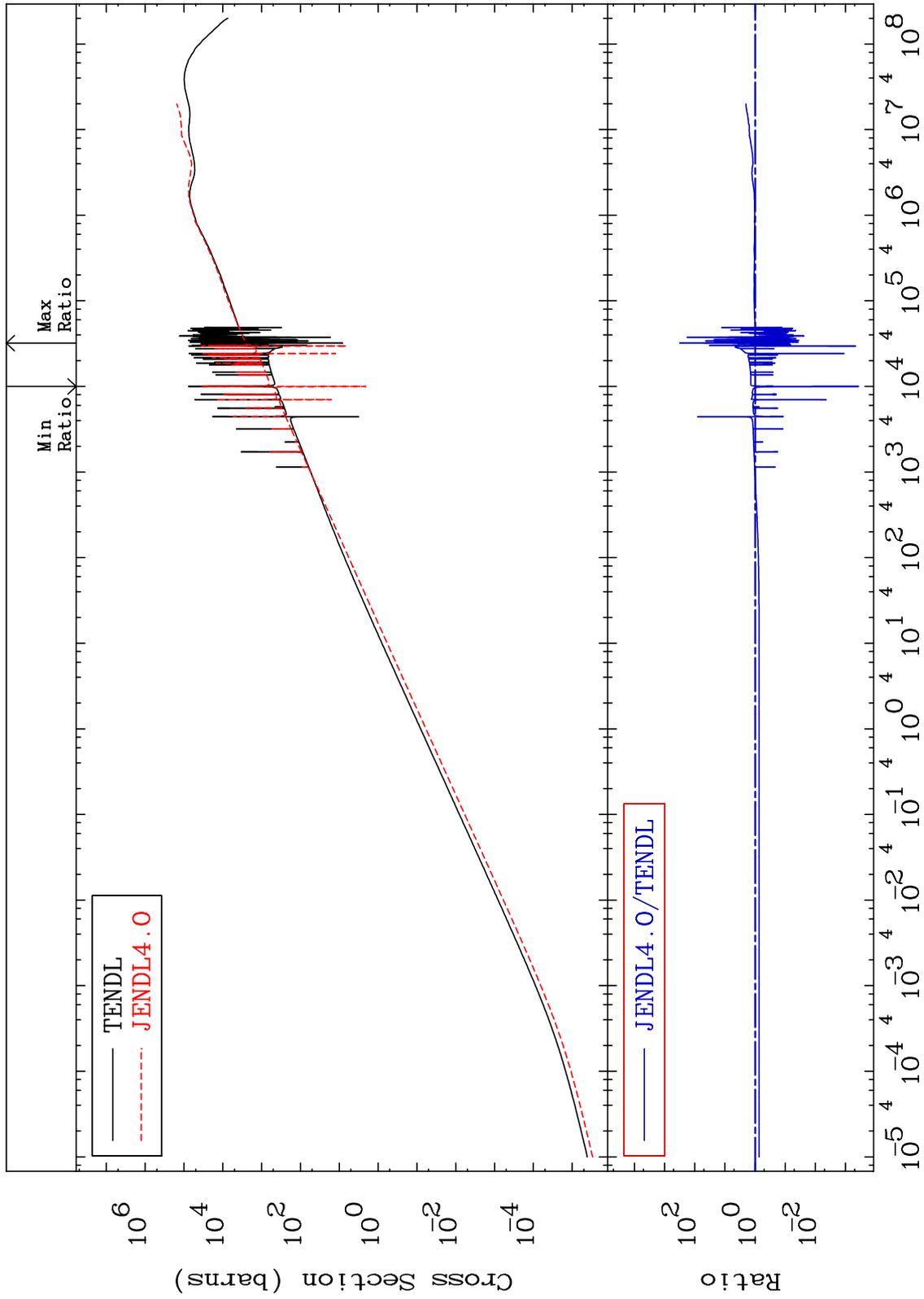
Incident Energy (eV)

52-Te-130

MAT 5255

Kerma elastic
Cross Section

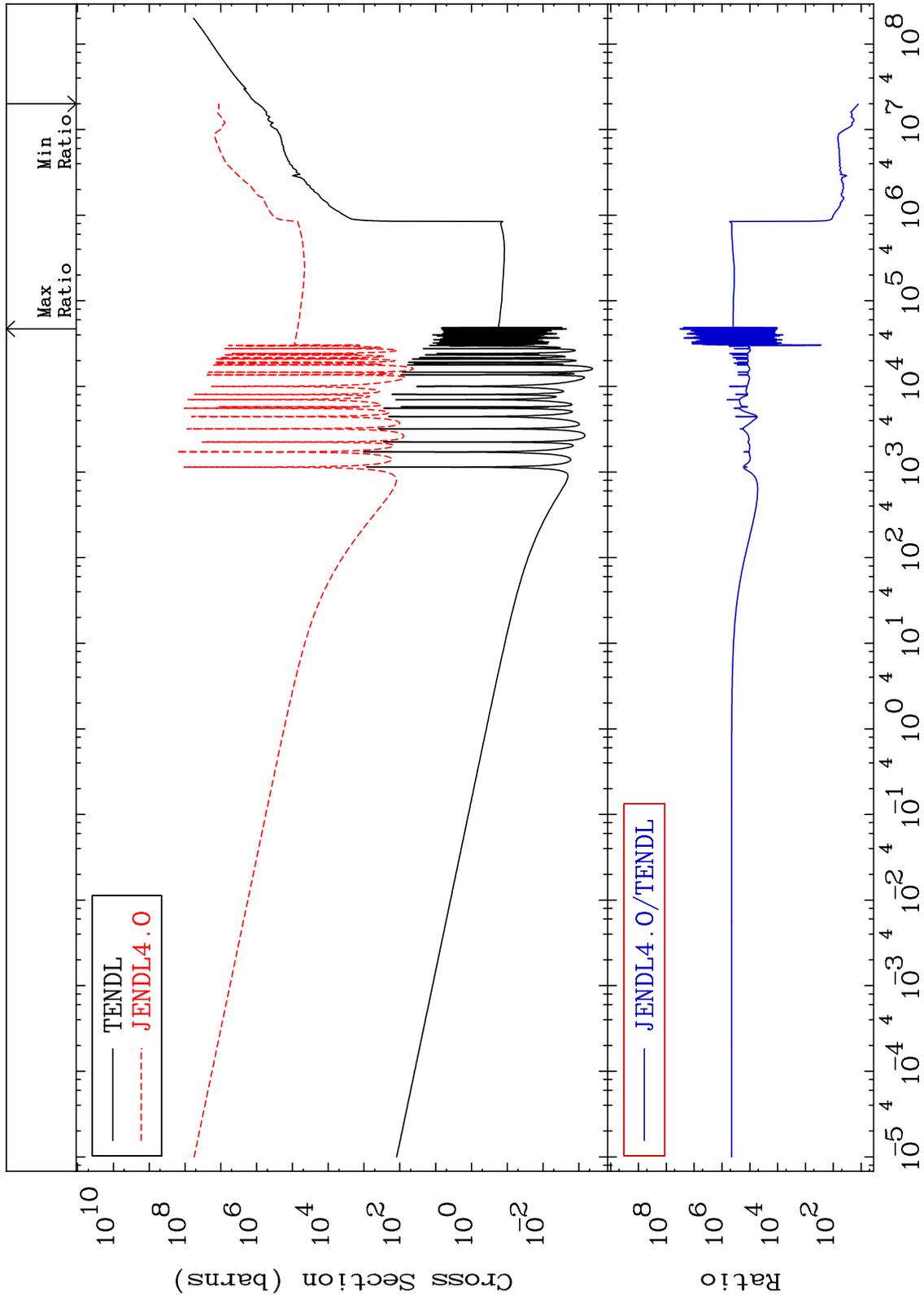
52-Te-130
-99.96 To 9999. %



MAT 5255

Kerma non-elastic (all but mt2)
Cross Section

52-Te-130
1157. To 9999. %



27

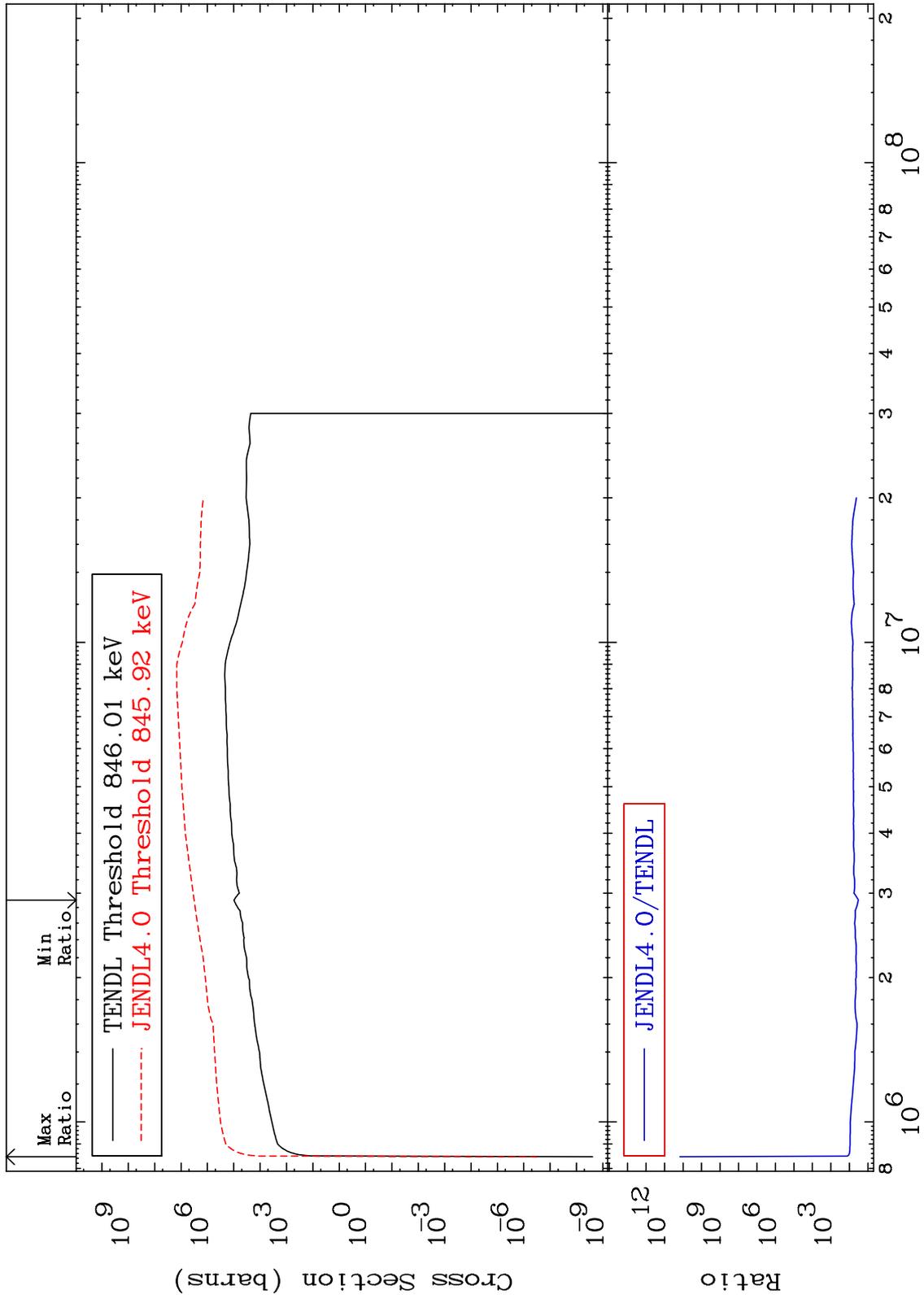
Incident Energy (eV)

52-Te-130

MAT 5255

Kerma inelastic (mt51-91)
Cross Section

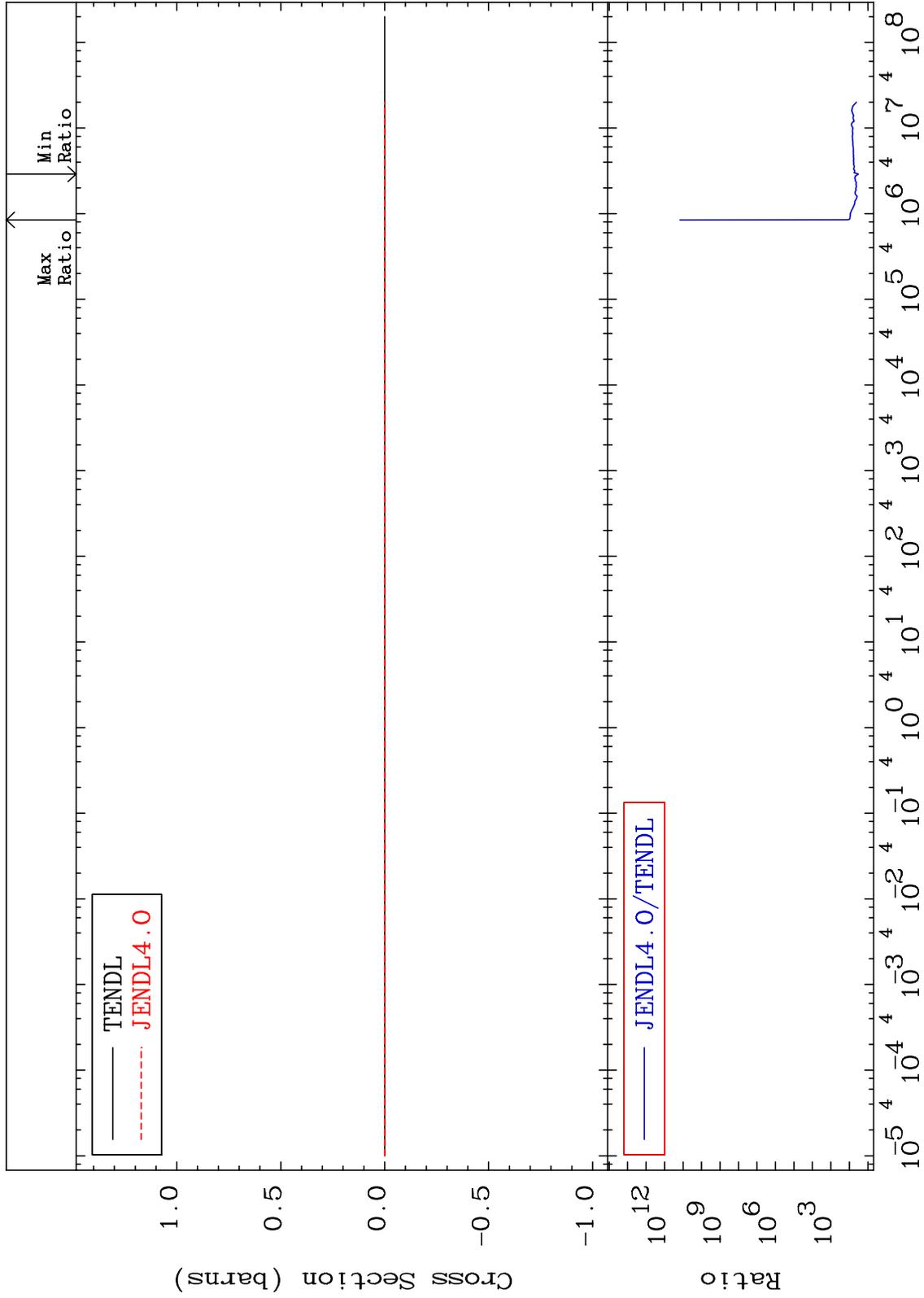
52-Te-130
3146. To 9999. %



MAT 5255

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

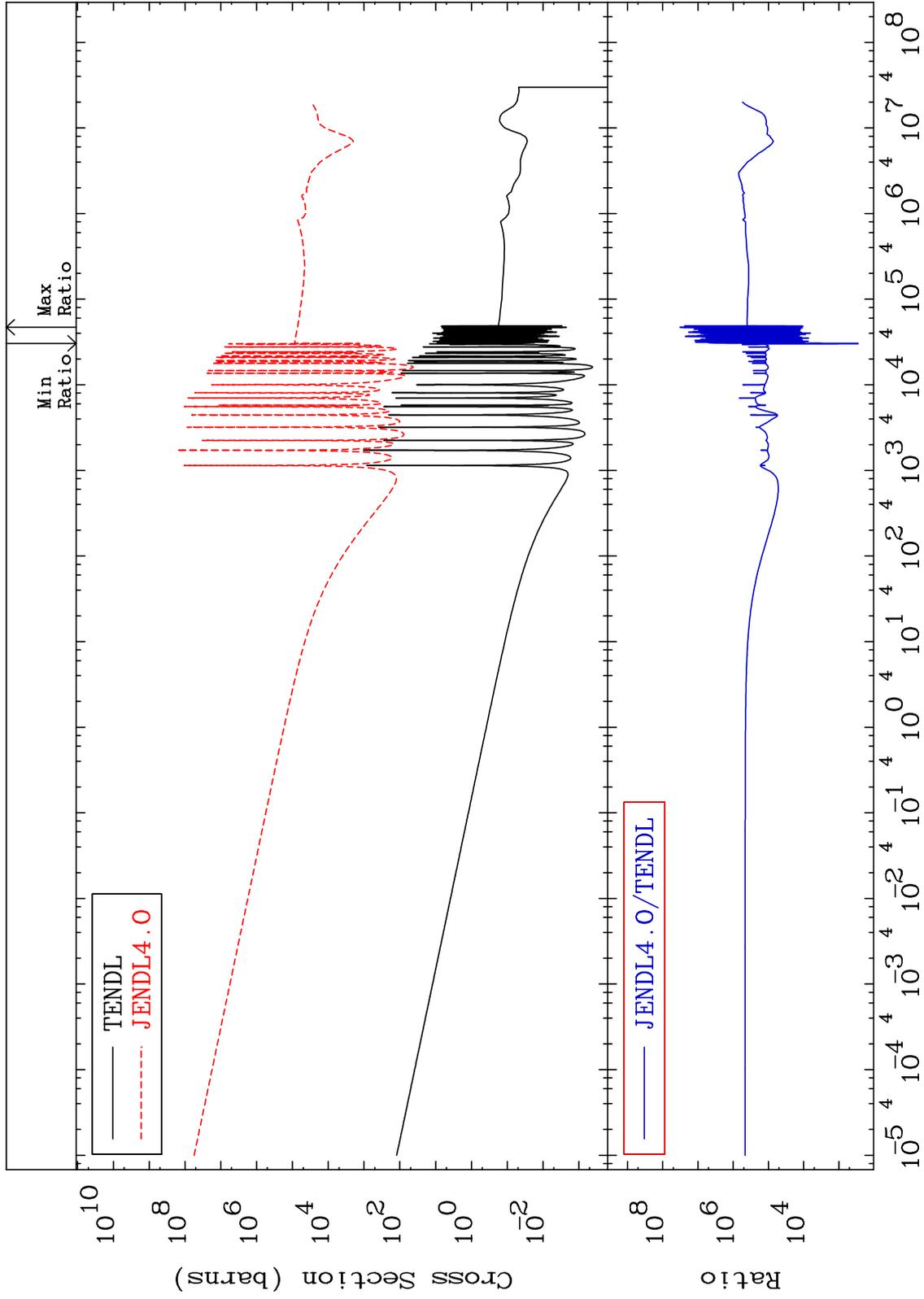
52-Te-130
3146. To 9999. %



MAT 5255

Kerma capture (mt102)
Cross Section

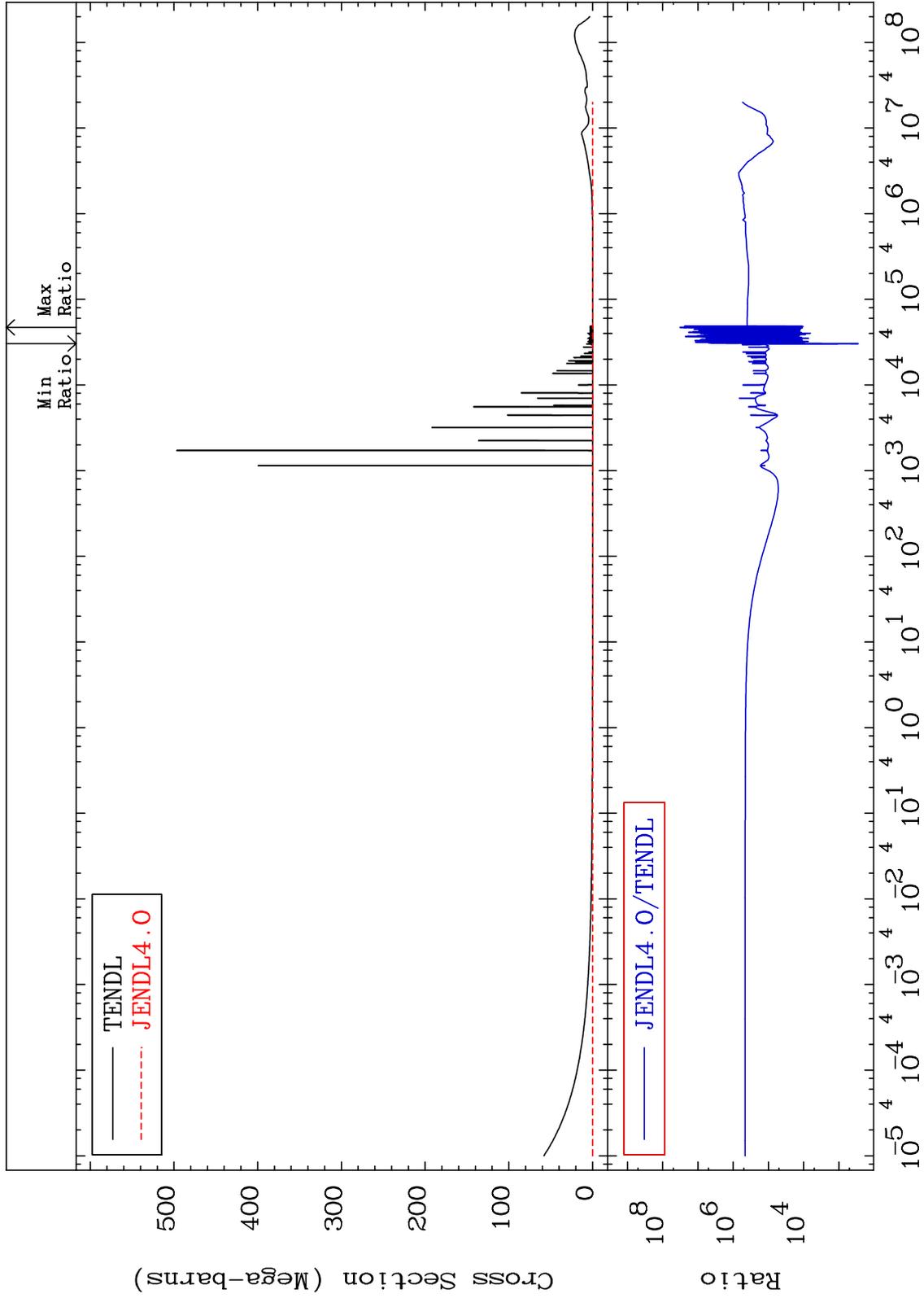
52-Te-130
9999. To 9999. %



MAT 5255

Total photon (eV-barns)
Cross Section

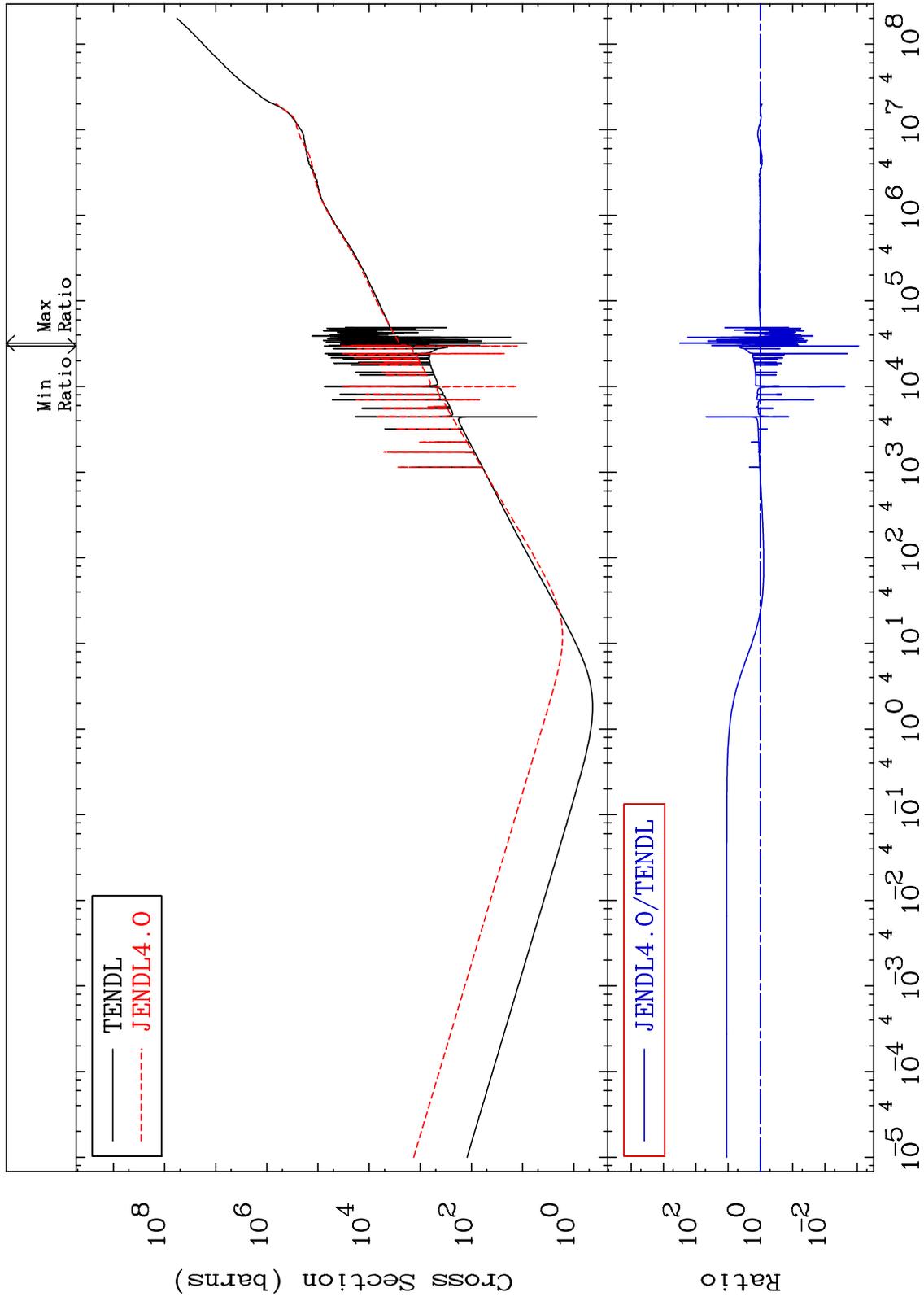
52-Te-130
9999. To 9999. %



MAT 5255

Total kinematic kerma (high limit)
Cross Section

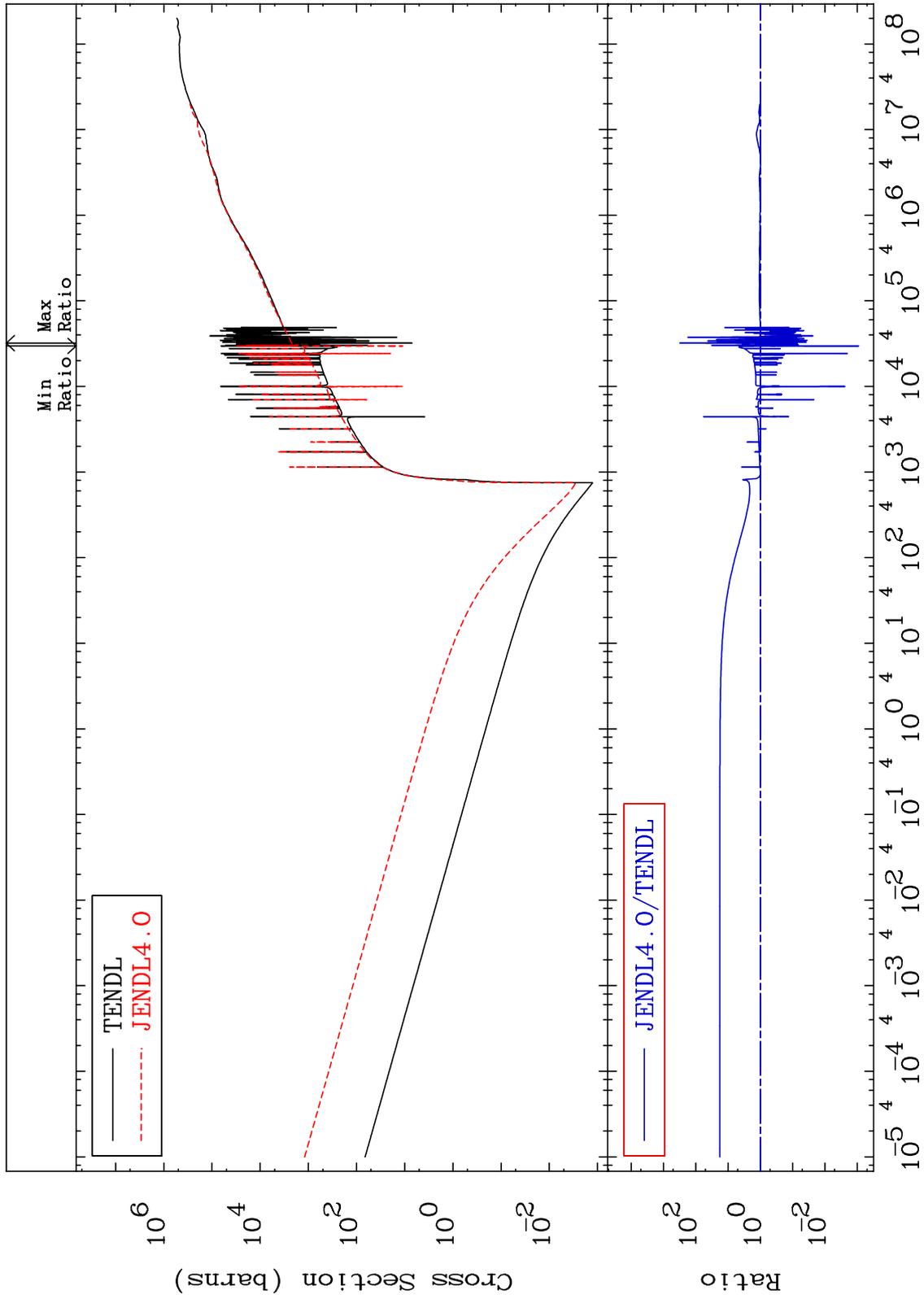
52-Te-130
-99.91 To 9999. %



MAT 5255

Dpa total (eV-barns)
Cross Section

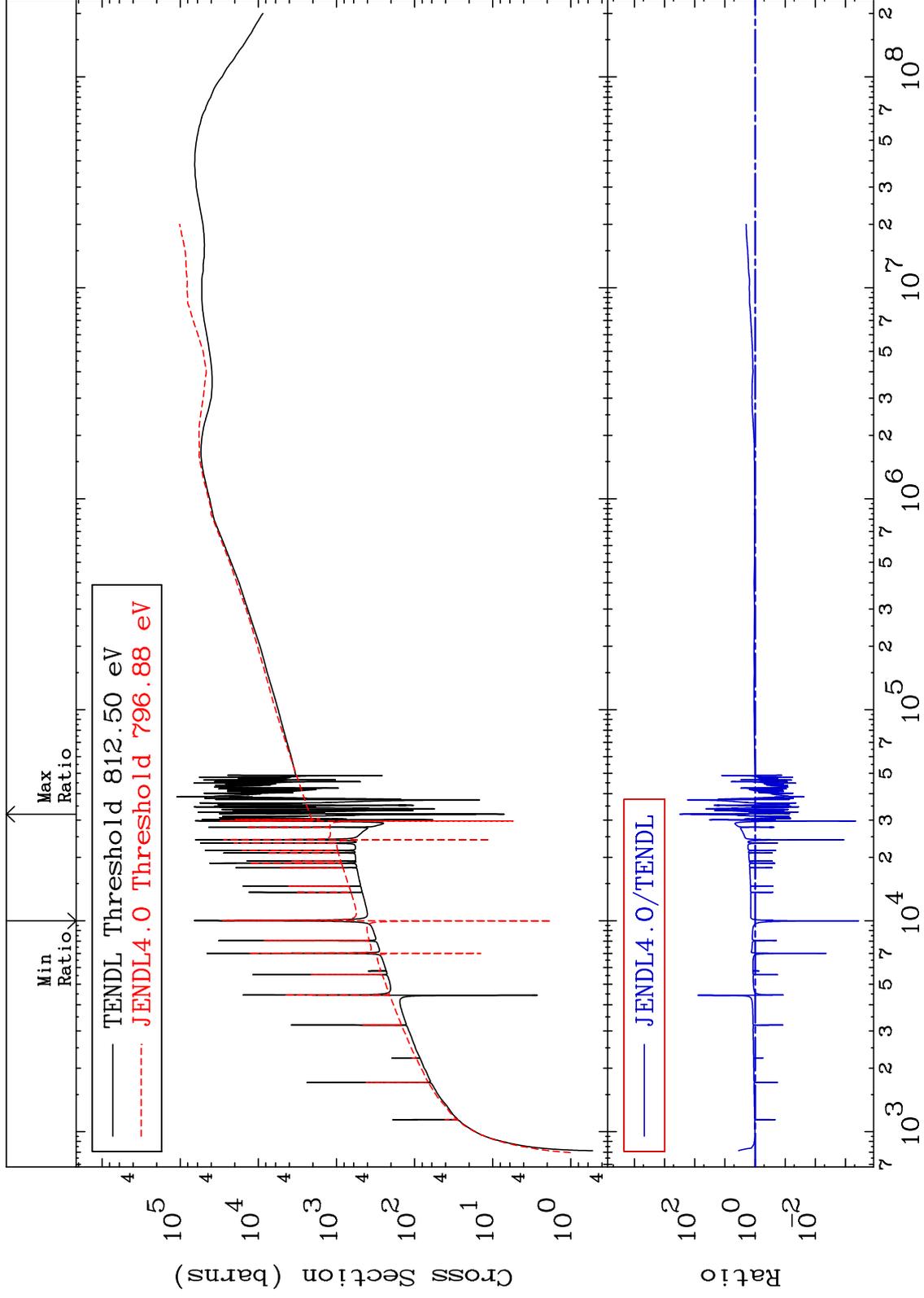
52-Te-130
-99.91 To 9999. %



MAT 5255

Dpa elastic (mt2)
Cross Section

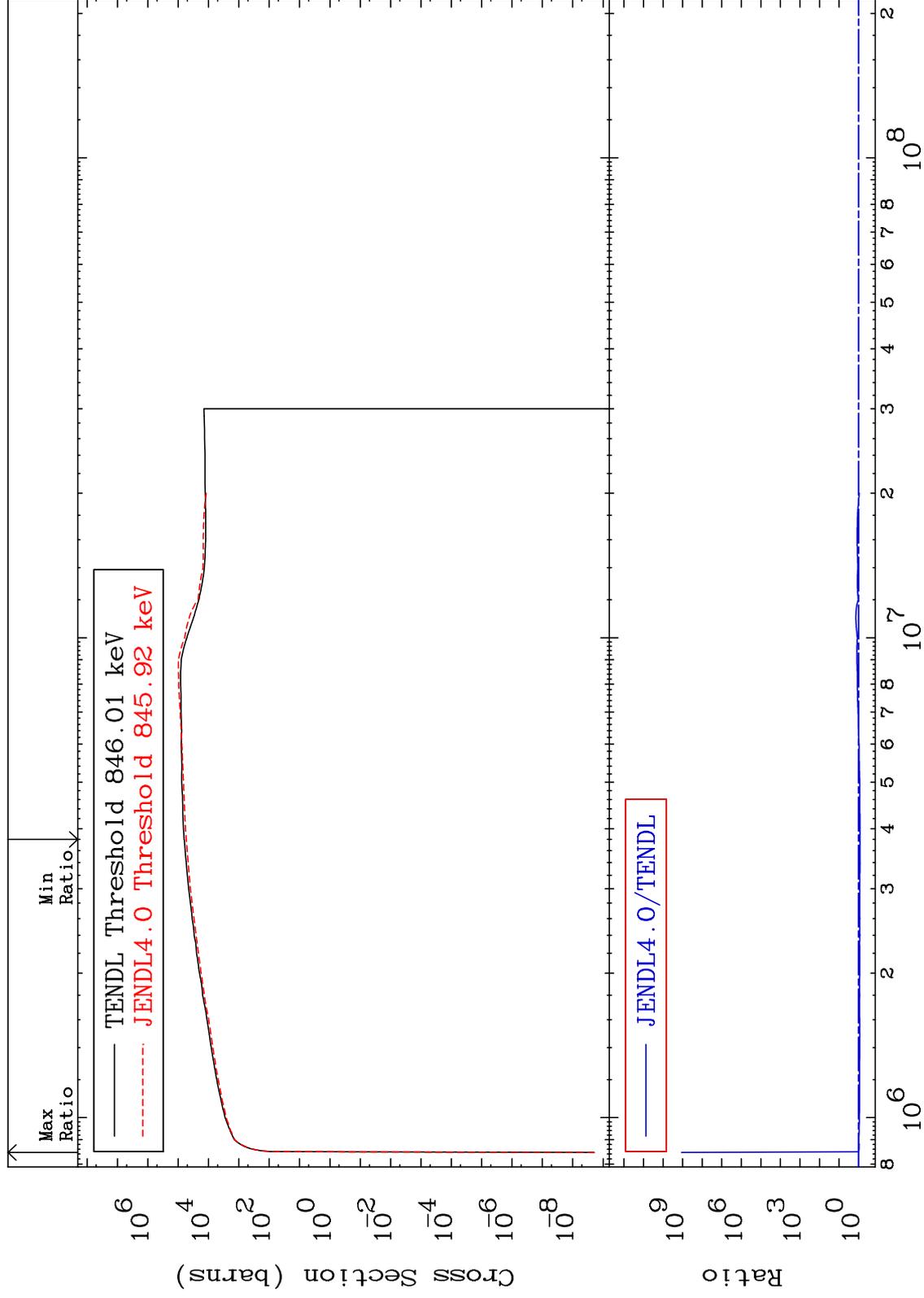
52-Te-130
-99.96 To 9999. %



MAT 5255

Dpa inelastic (mt51-91)
Cross Section

52-Te-130
-14.84 To 9999. %



35

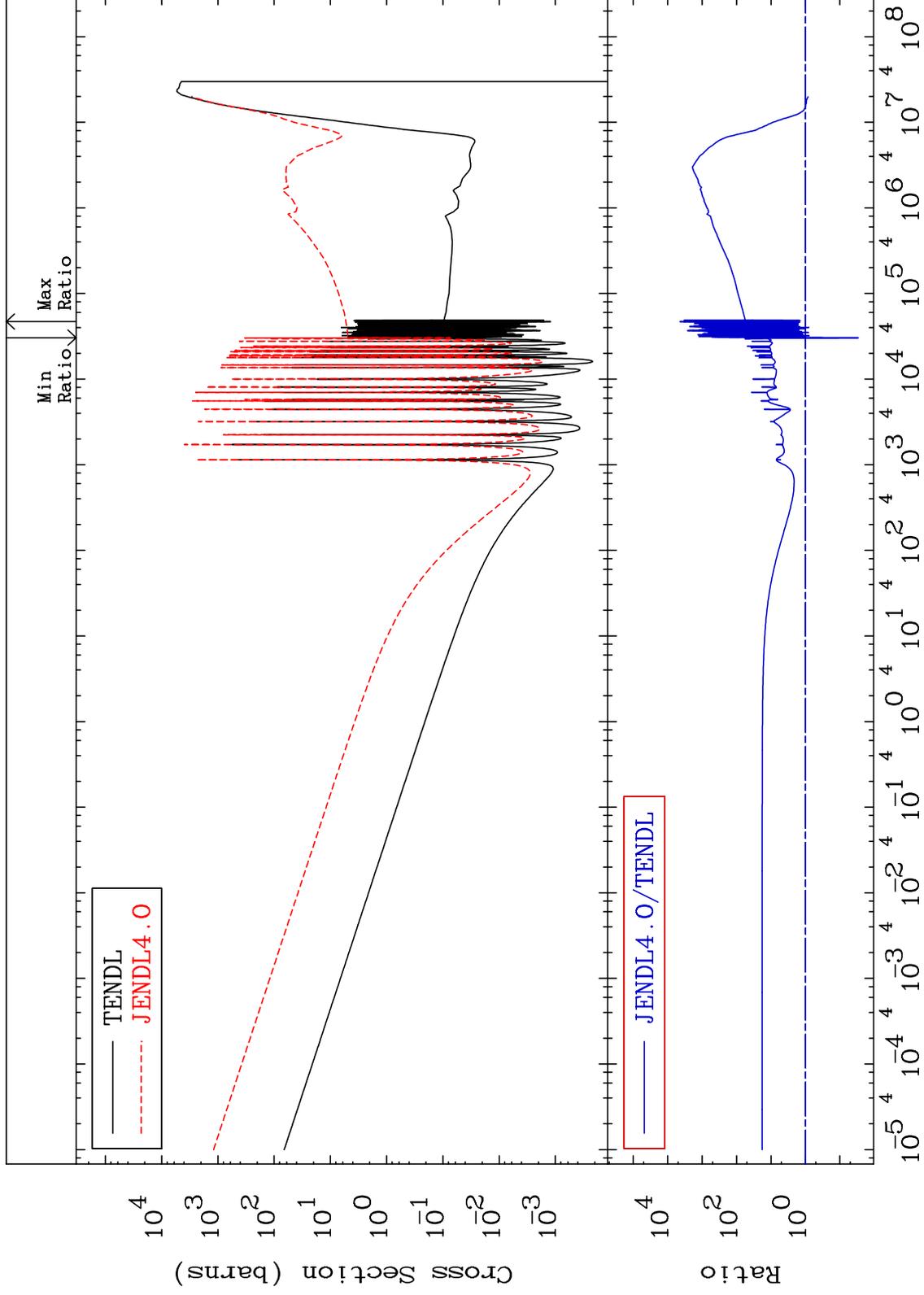
Incident Energy (eV)

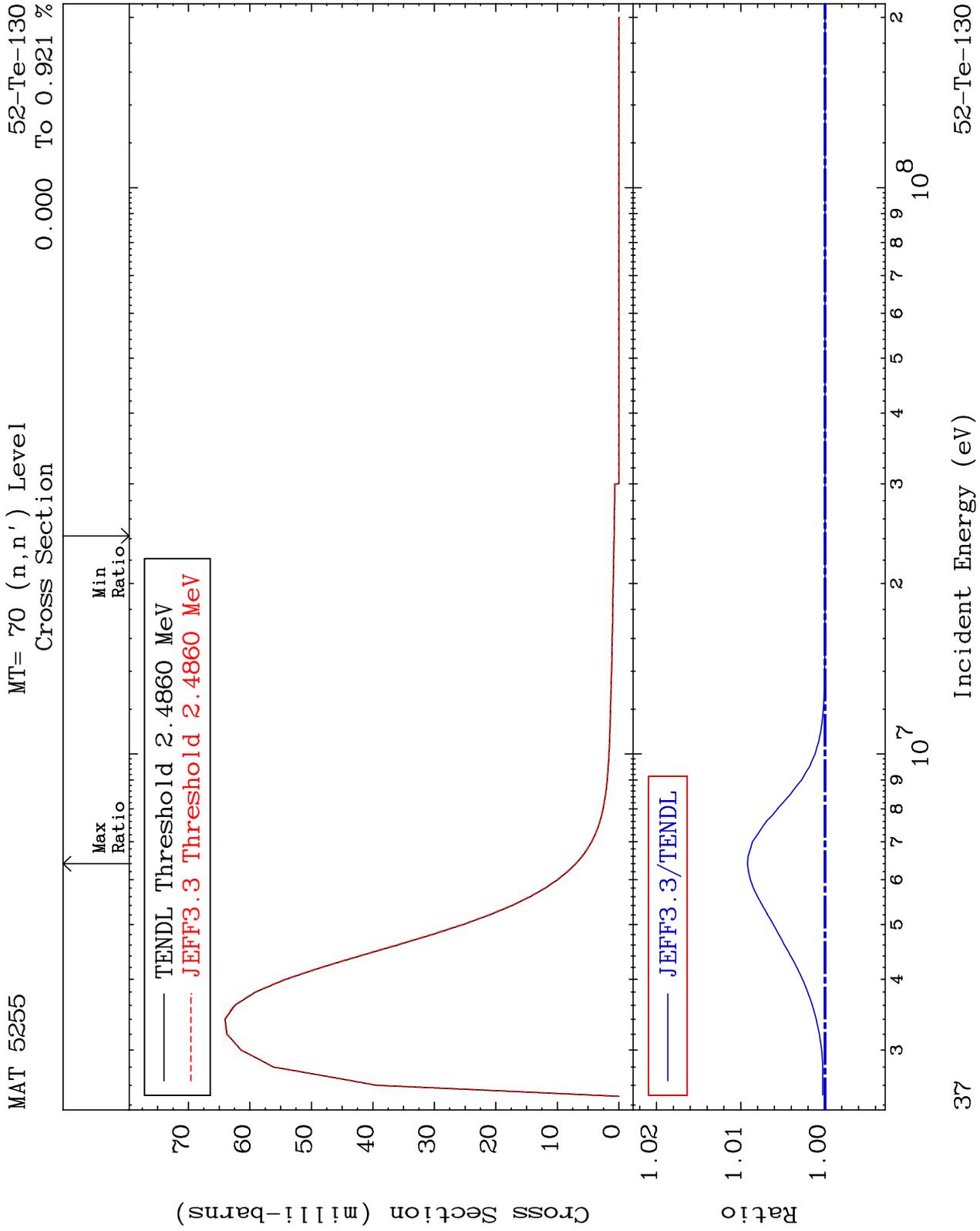
52-Te-130

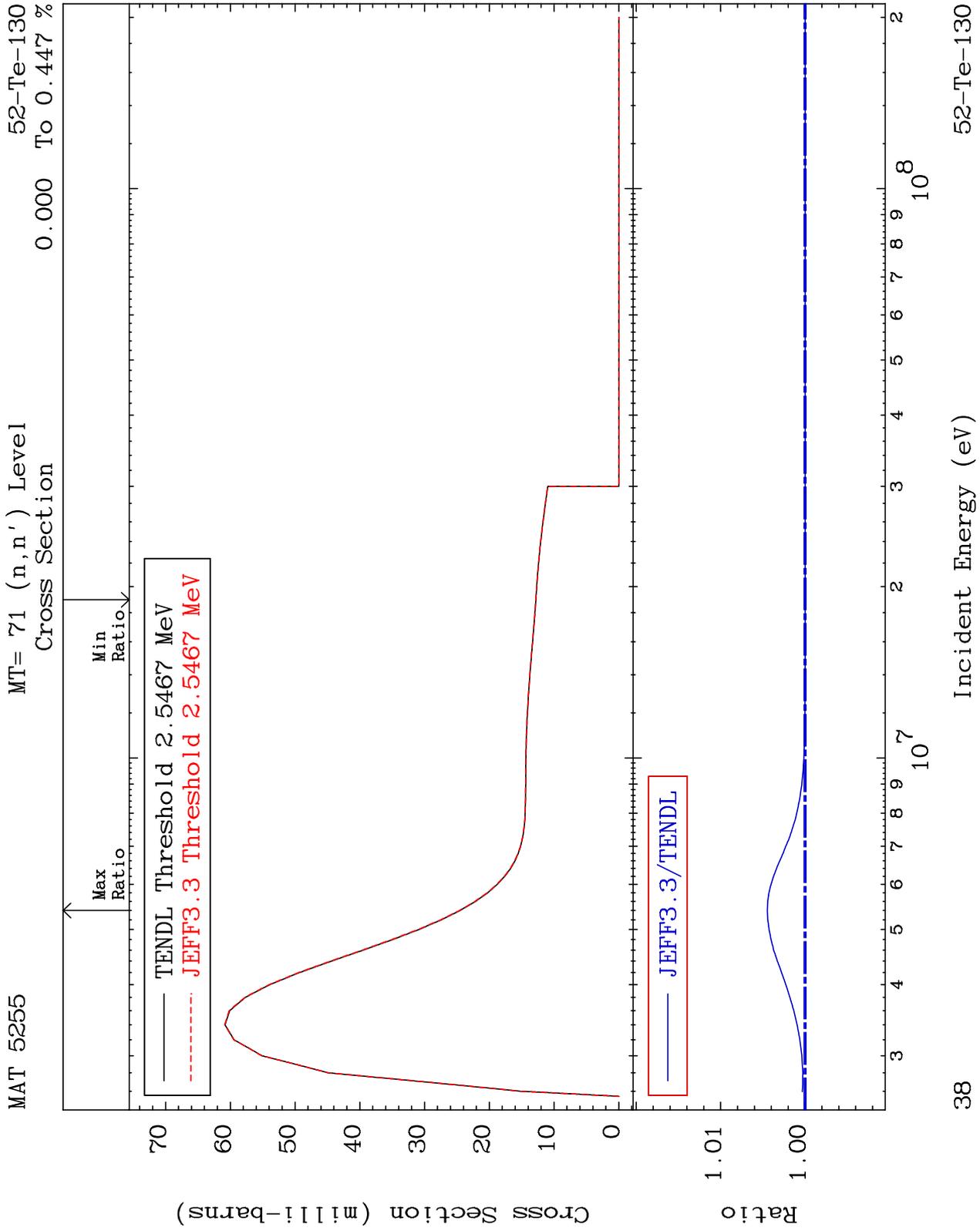
MAT 5255

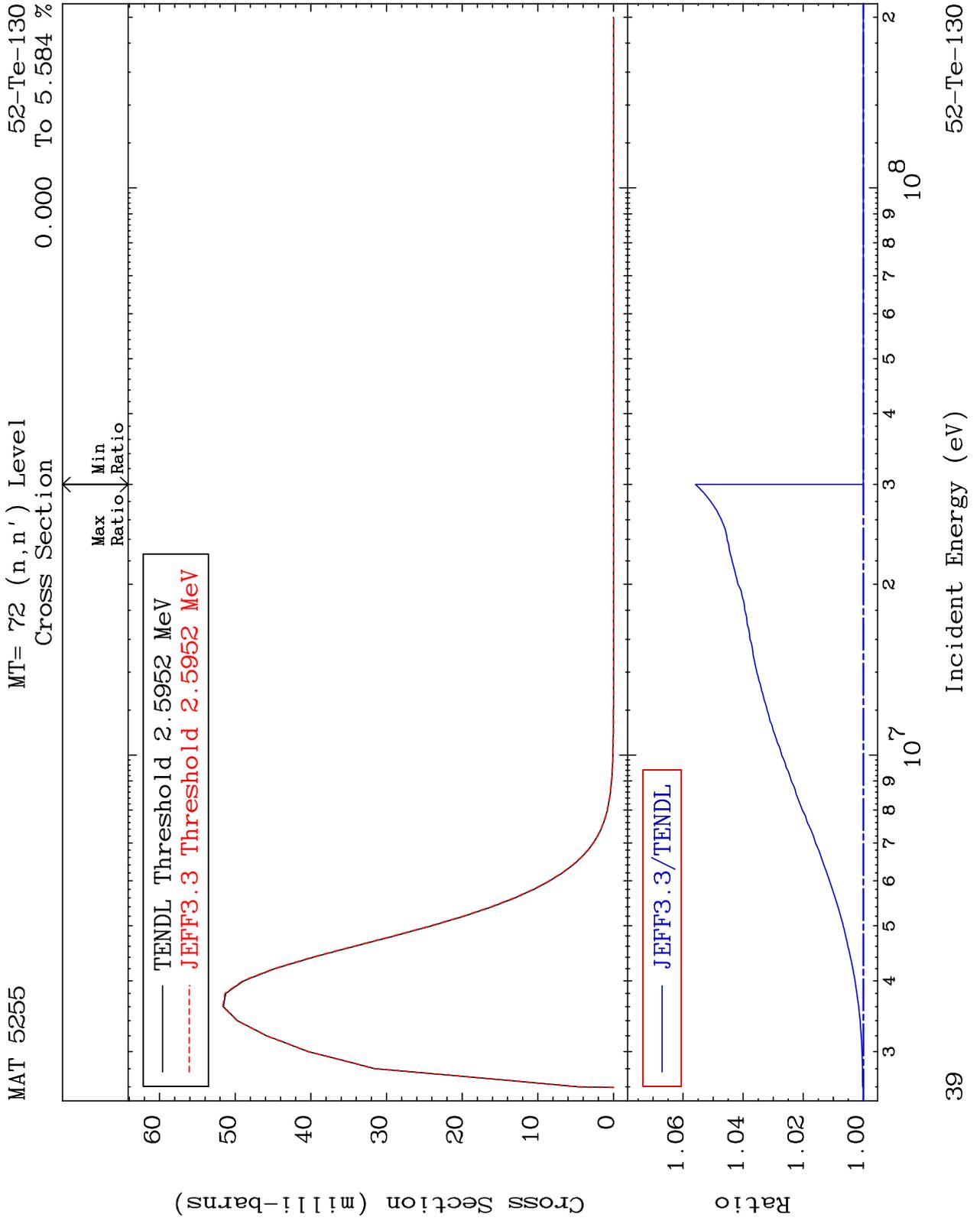
Dpa disappearance (mt102 -120)
Cross Section

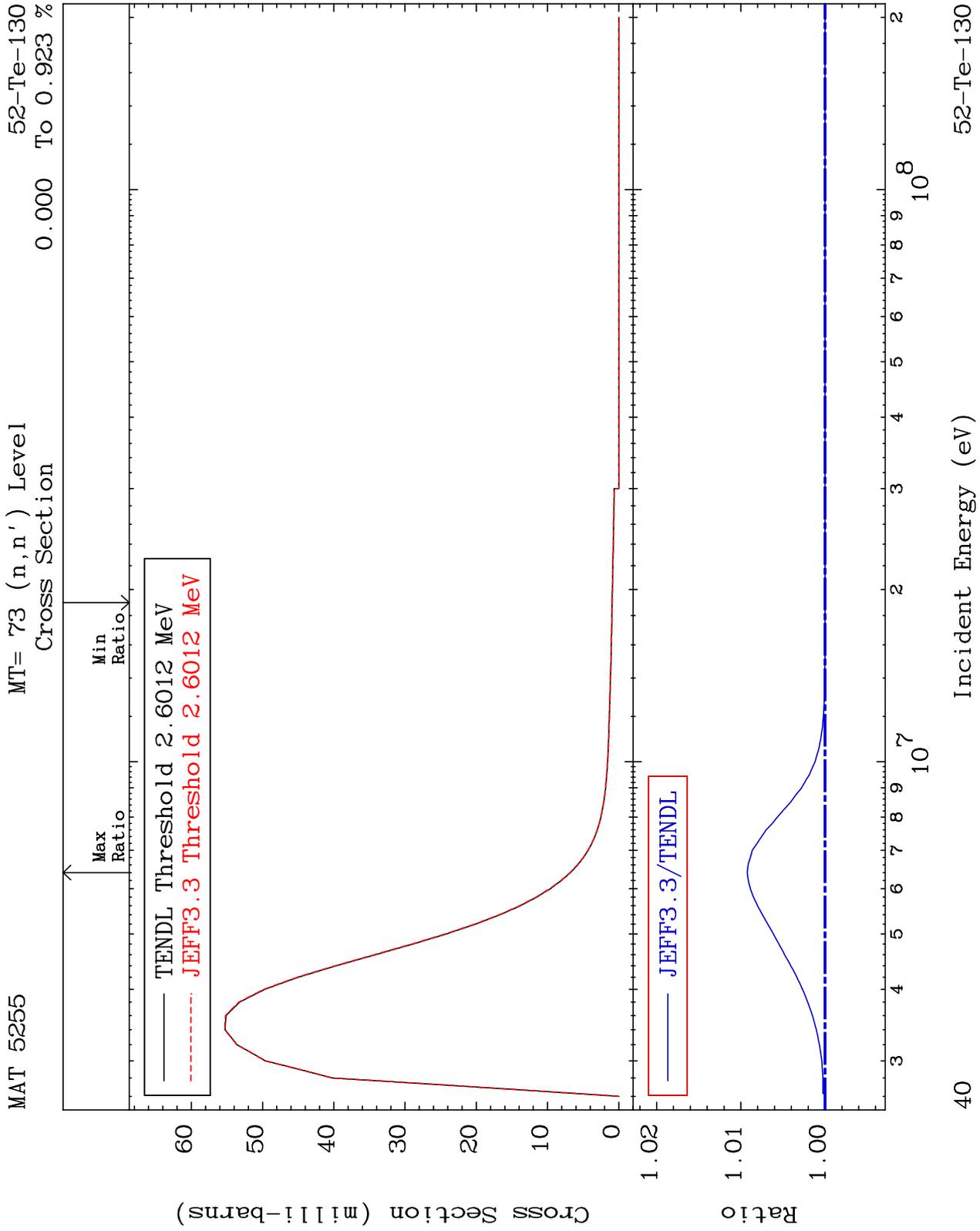
52-Te-130
-97.10 To 9999. %

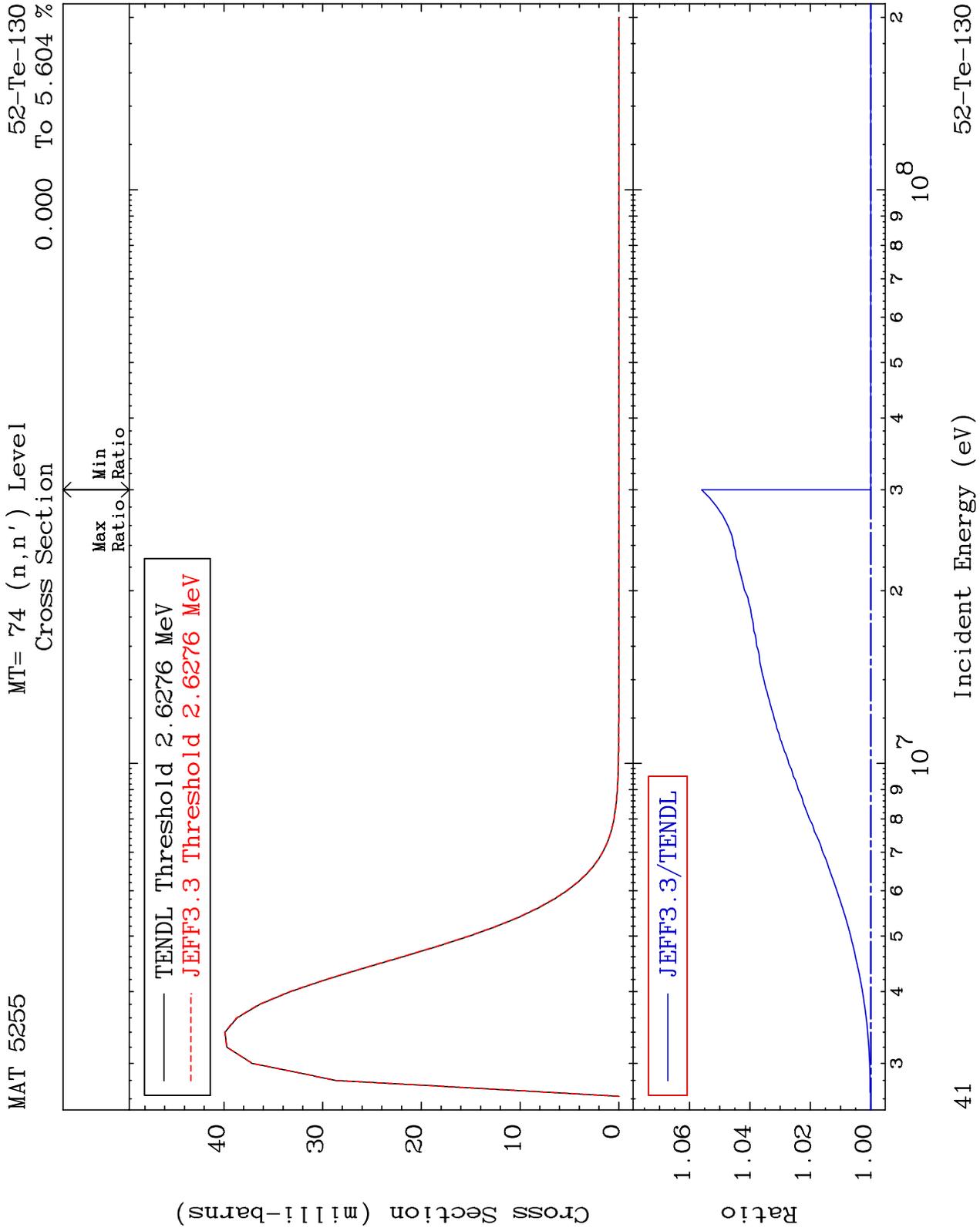








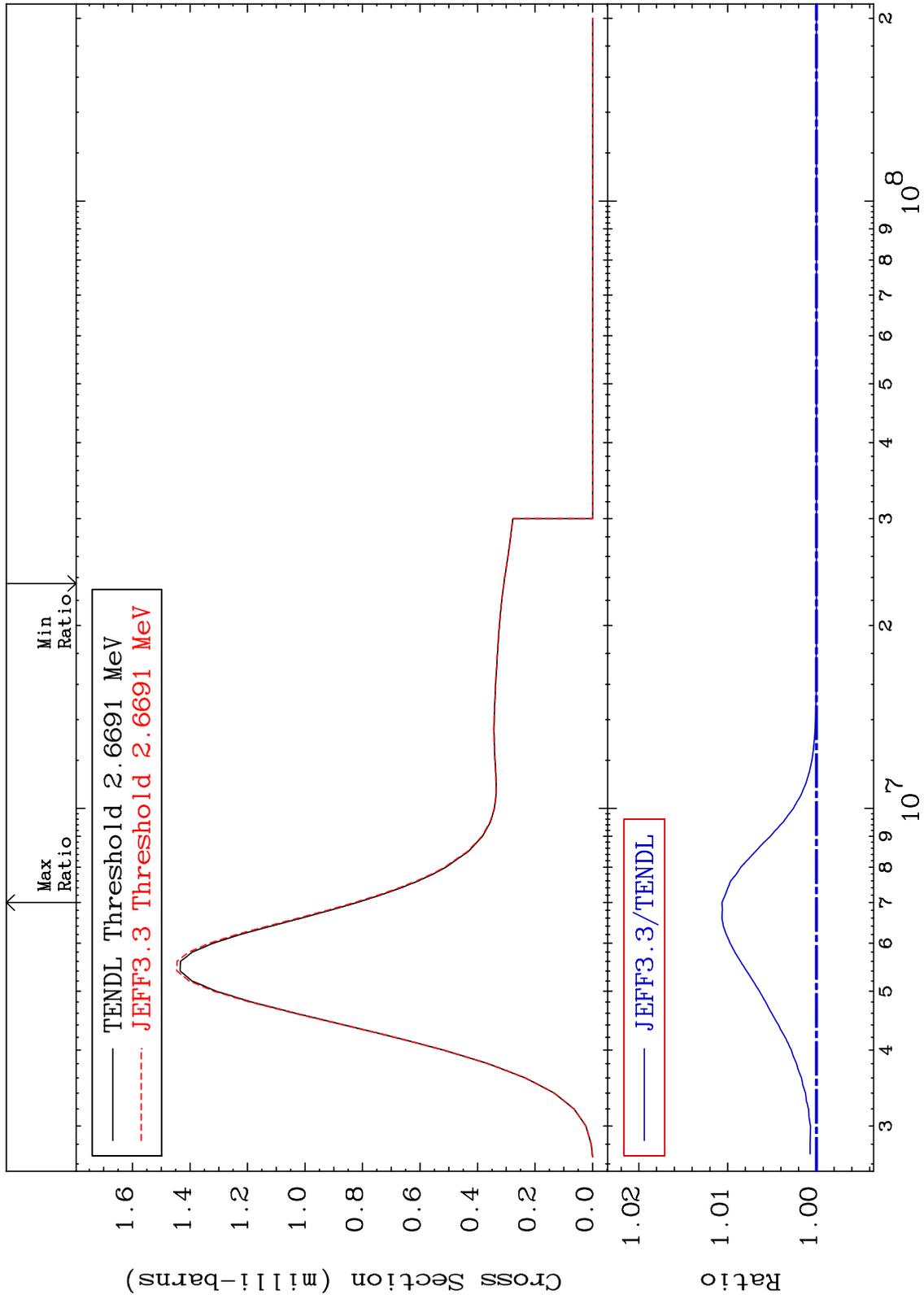




MAT 5255

MT= 75 (n,n') Level
Cross Section

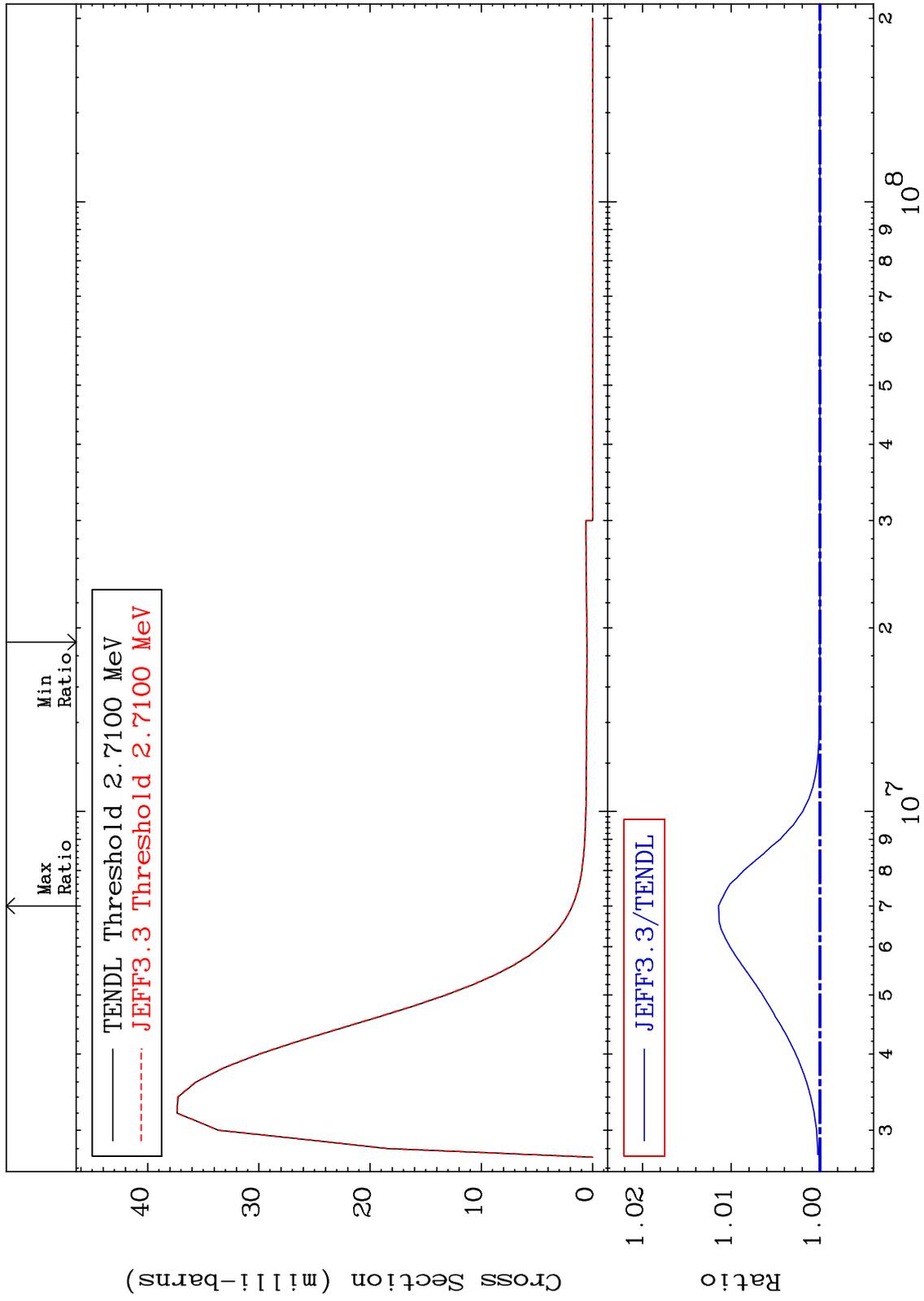
52-Te-130
0.000 To 1.064 %

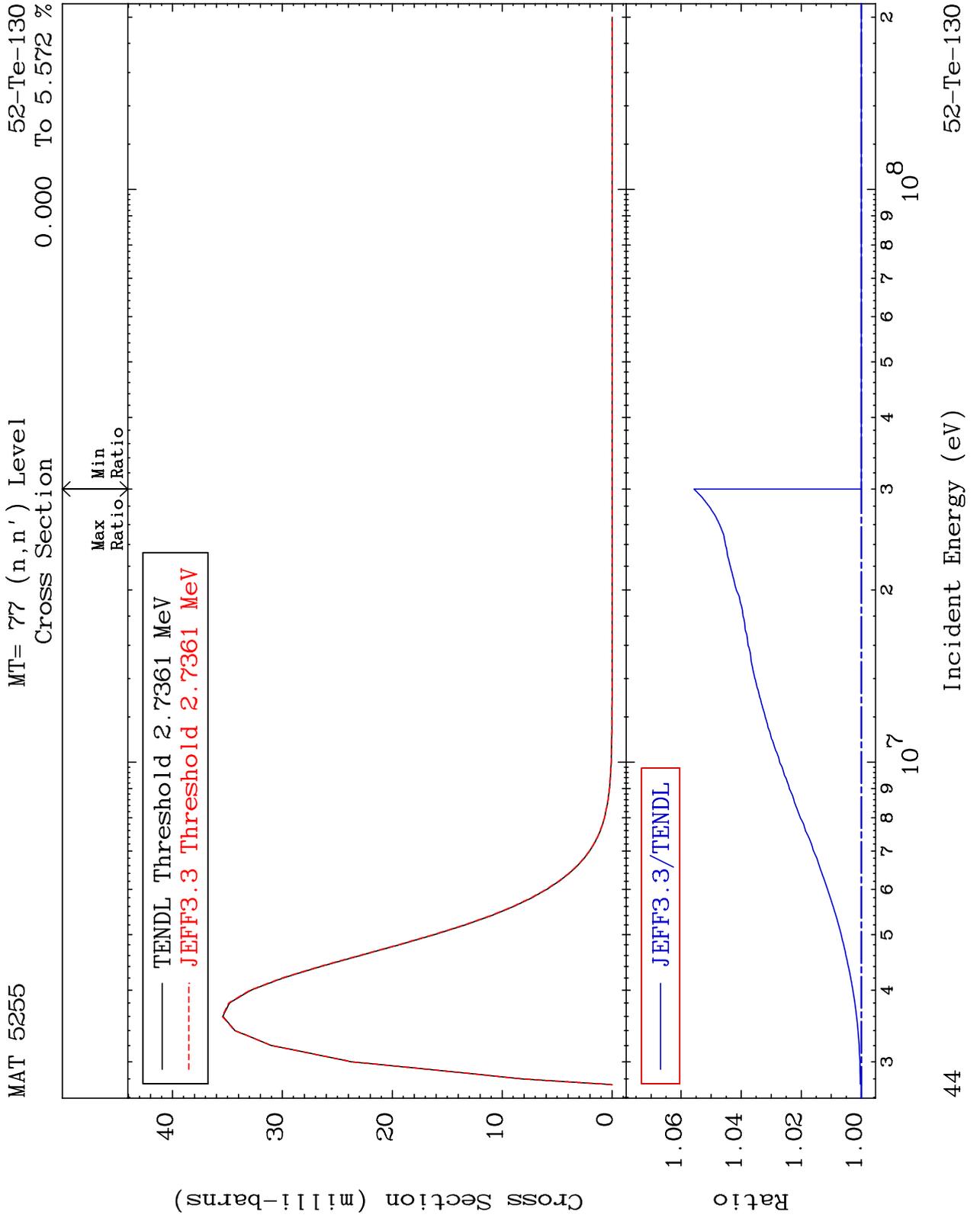


MAT 5255

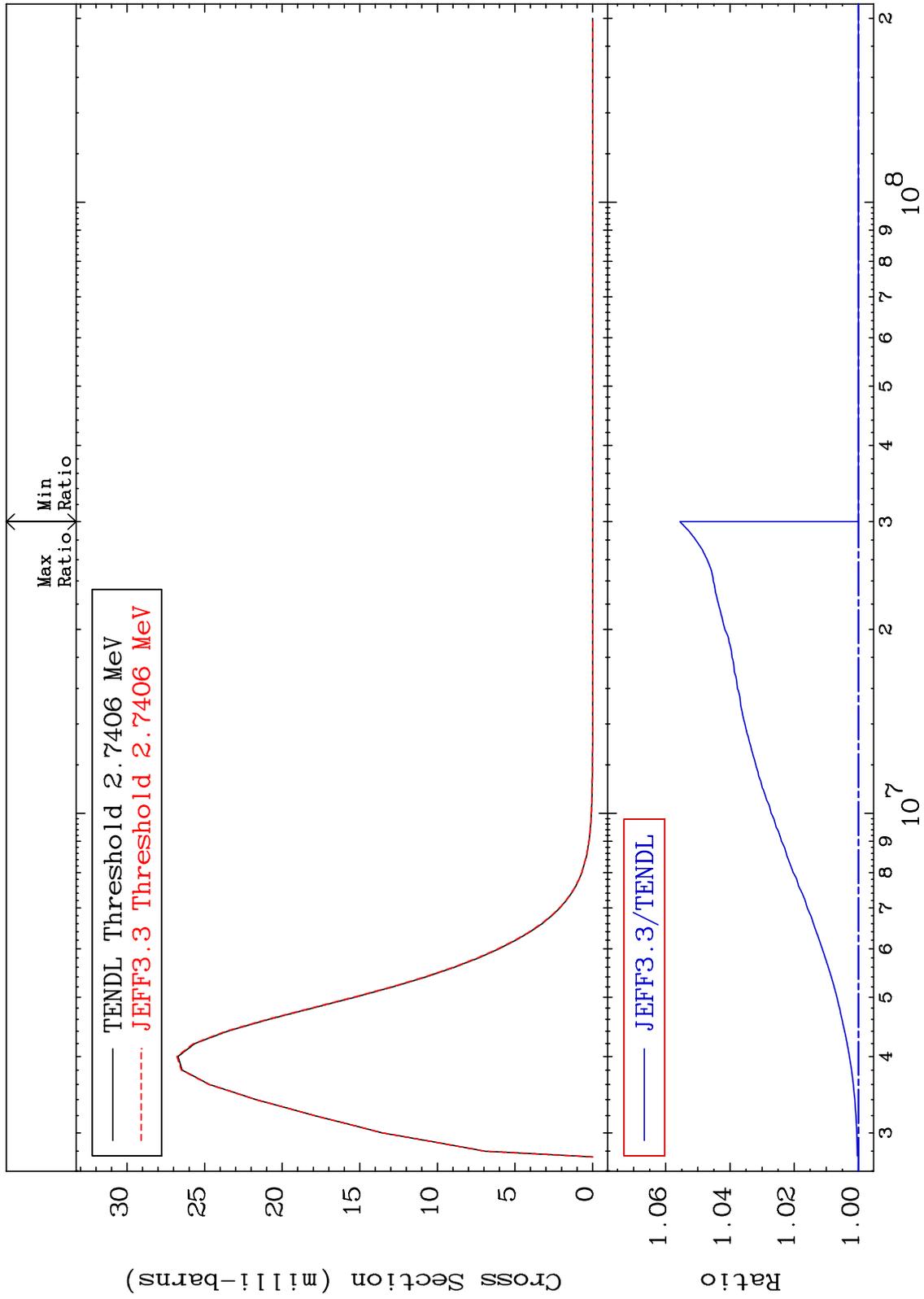
MT= 76 (n,n') Level
Cross Section

52-Te-130
To 1.144 %
0.000



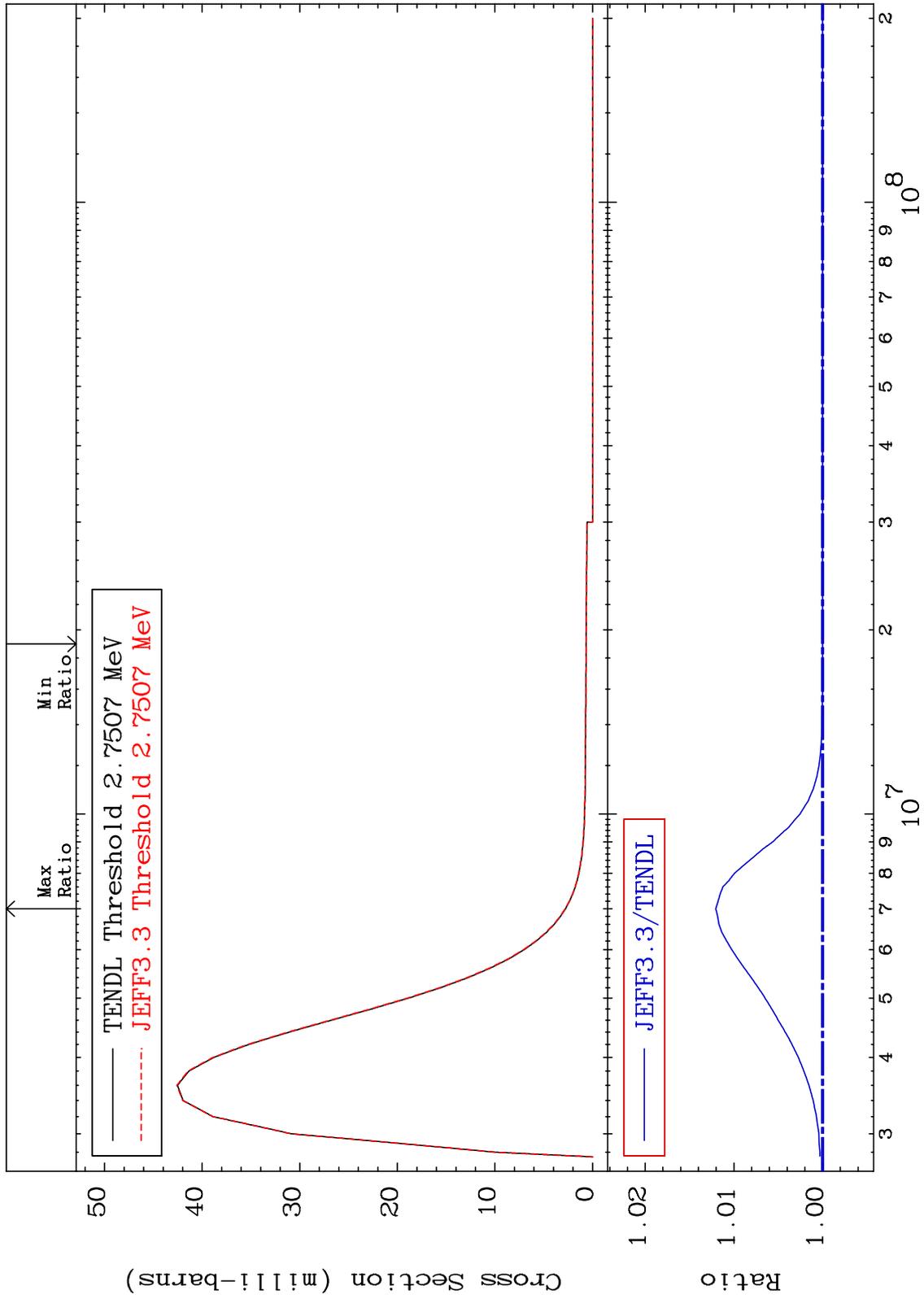


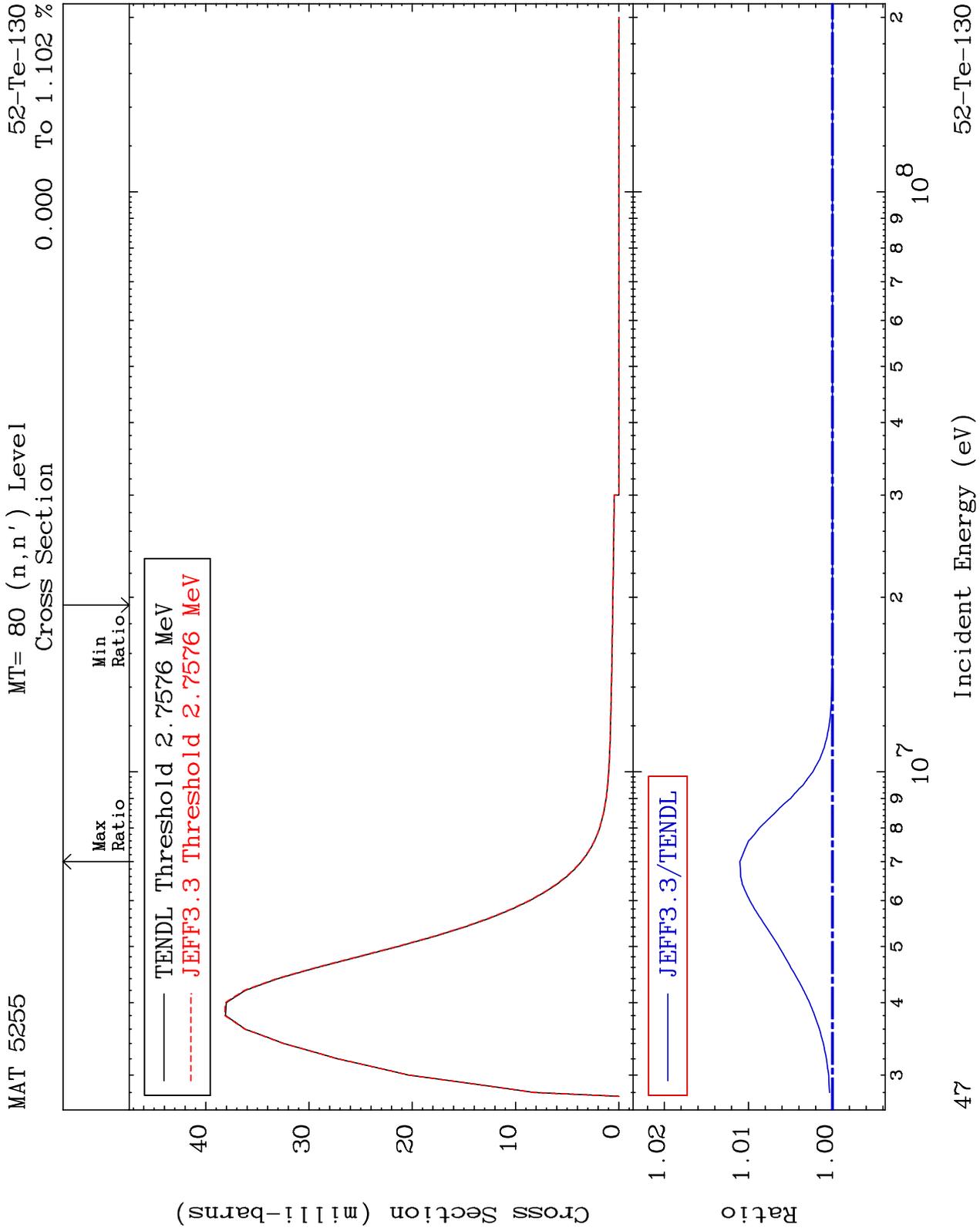
MAT 5255 MT= 78 (n, n') Level Cross Section 52-Te-130 To 5.558 %
 0.000



45 Incident Energy (eV) 52-Te-130

MAT 5255 MT= 79 (n,n') Level Cross Section 52-Te-130 To 1.205 %

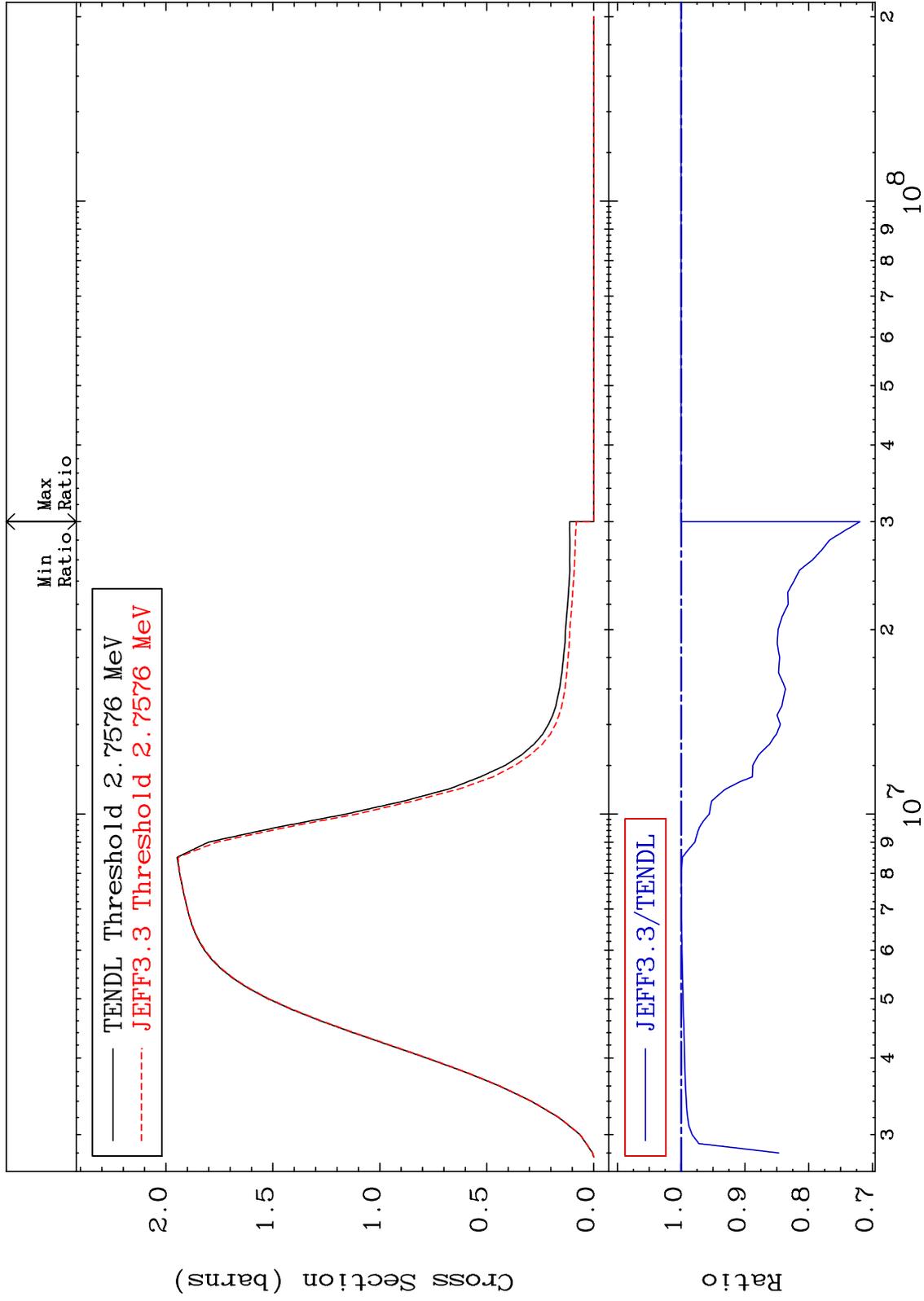




MAT 5255

(n, n') Continuum
Cross Section

52-Te-130
-28.04 To 0.000 %



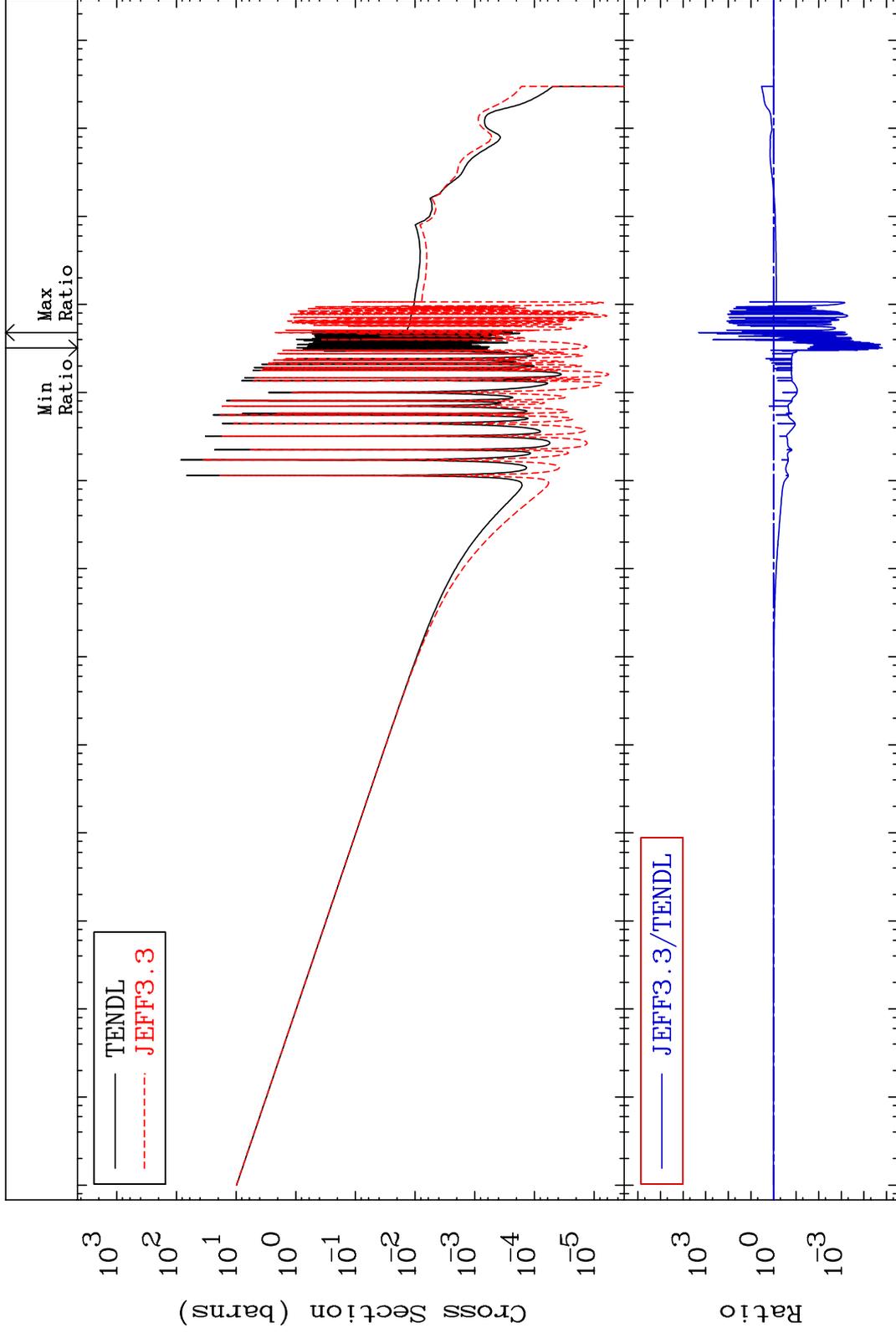
MAT 5255

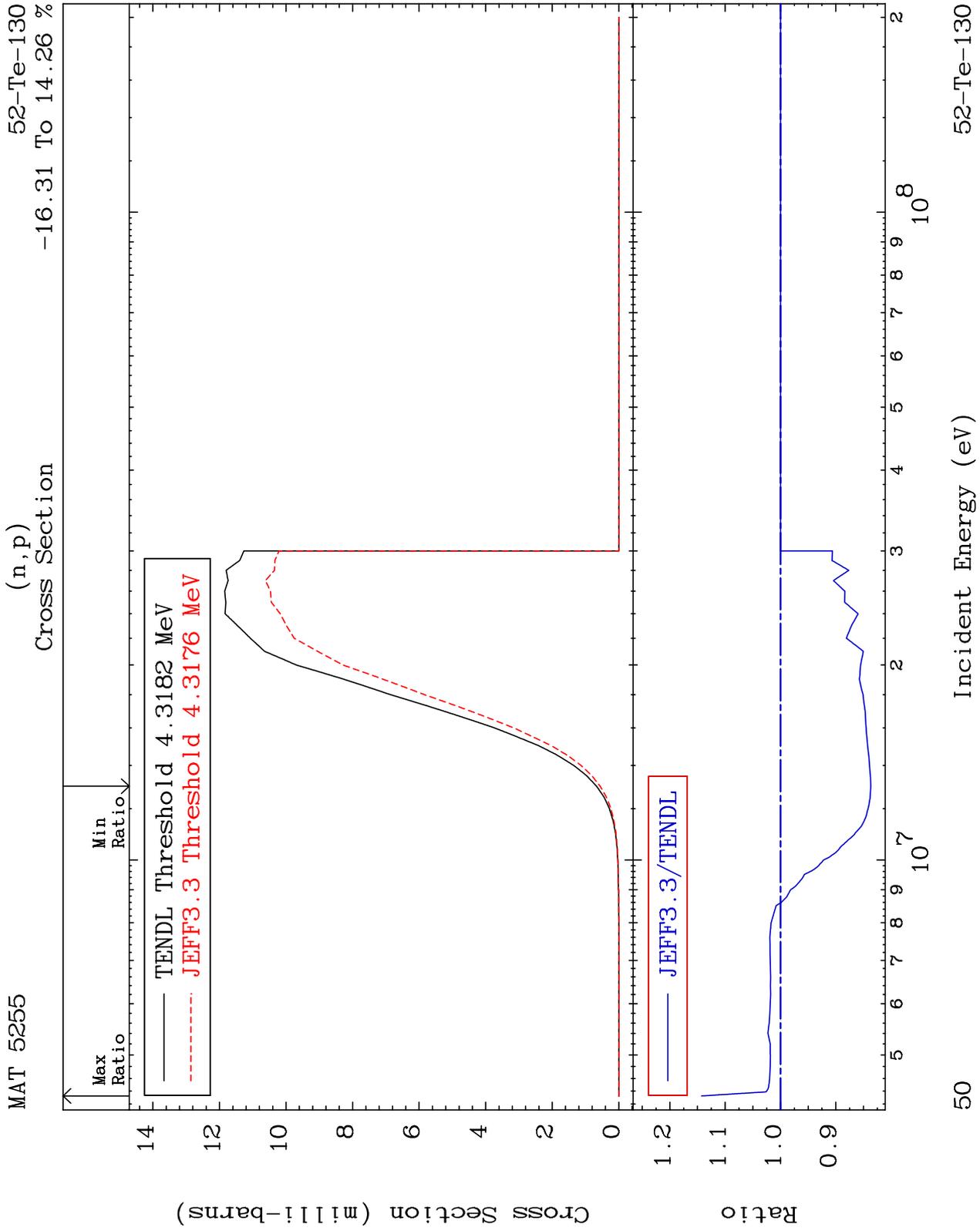
(n, γ)

52-Te-130

Cross Section

-100.0 To 9999. %





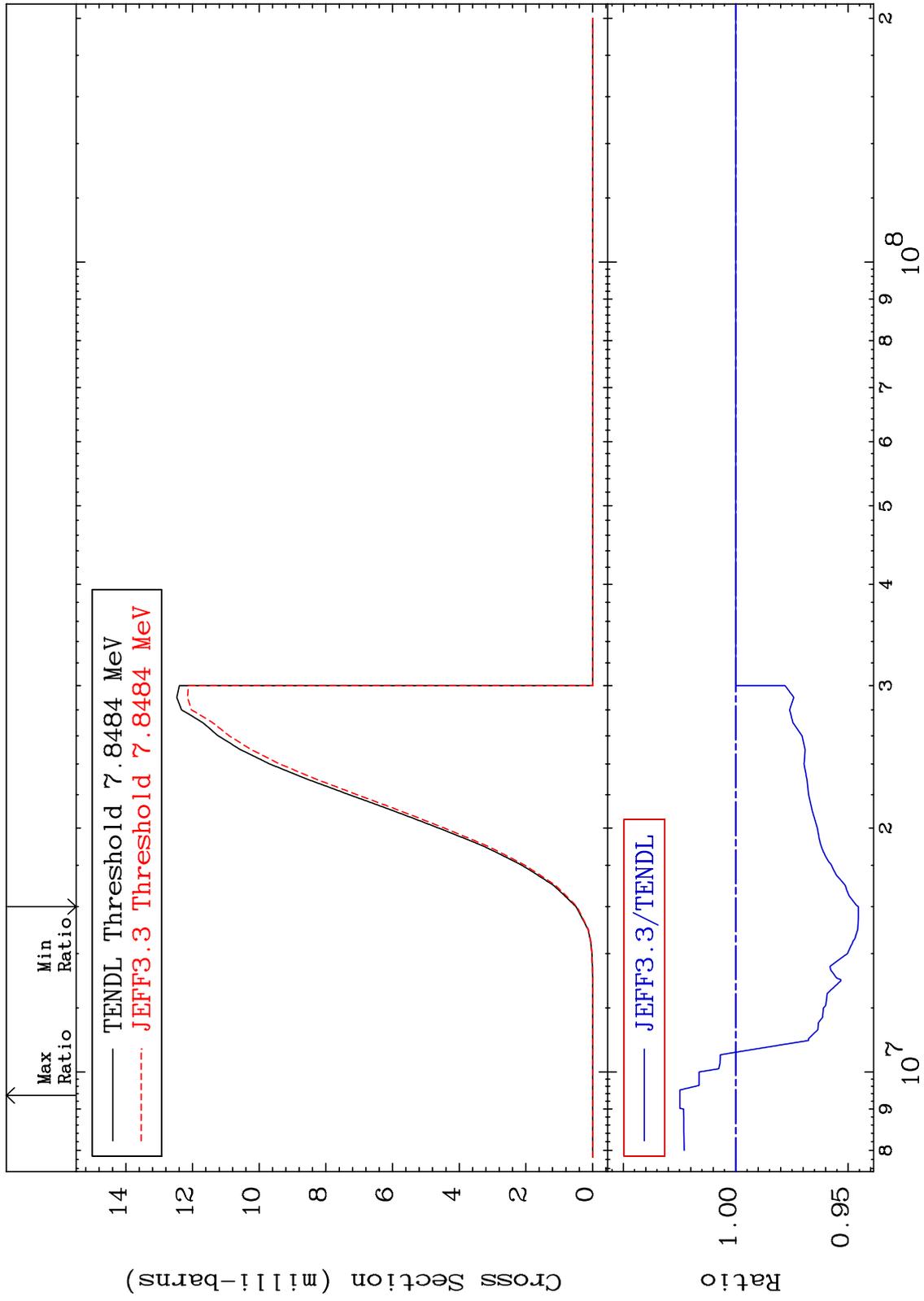
MAT 5255

(n, d)

52-Te-130

Cross Section

-5.455 To 2.481 %



51

Incident Energy (eV)

52-Te-130

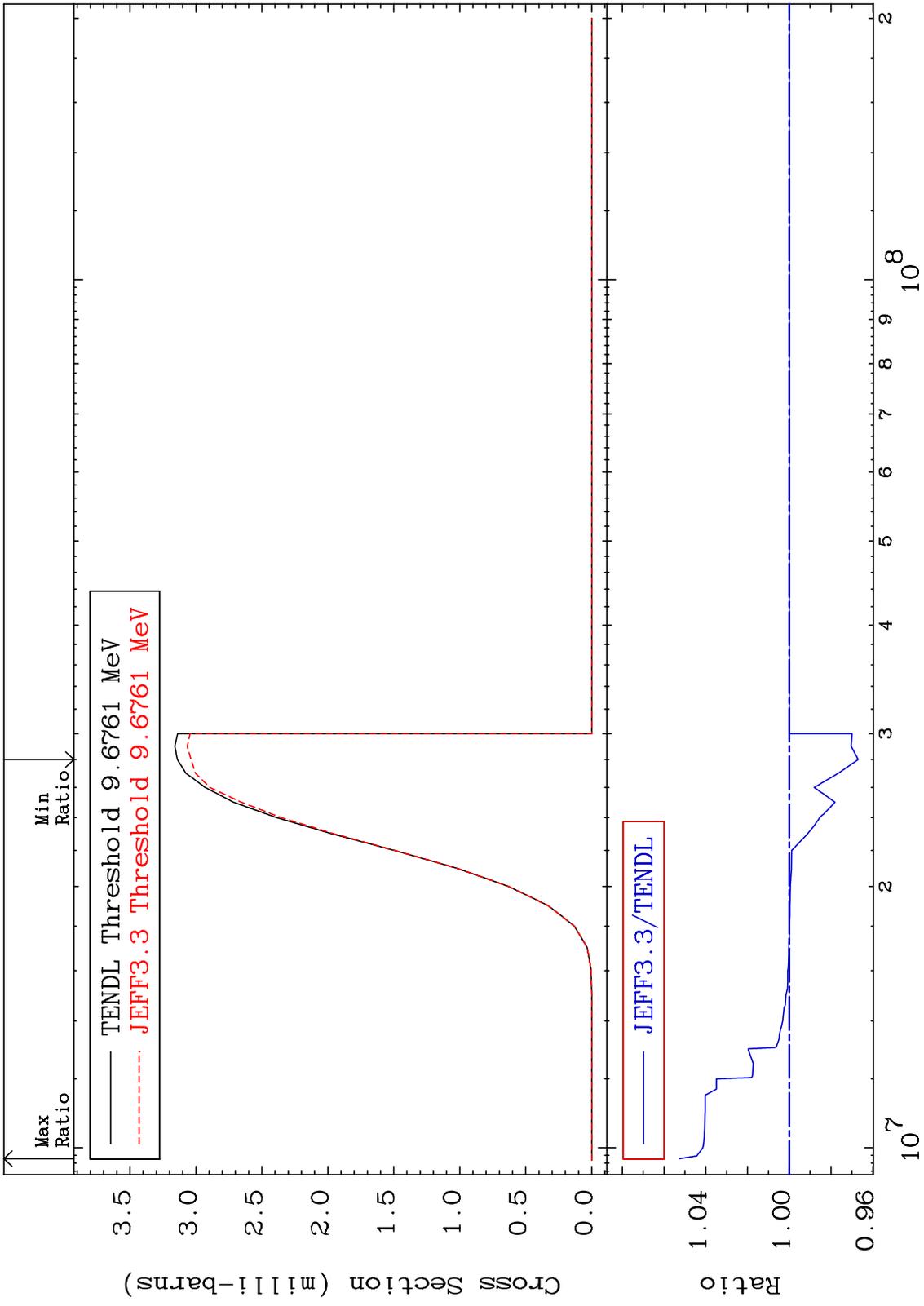
MAT 5255

(n, t)

52-Te-130

Cross Section

-3.305 To 5.270 %

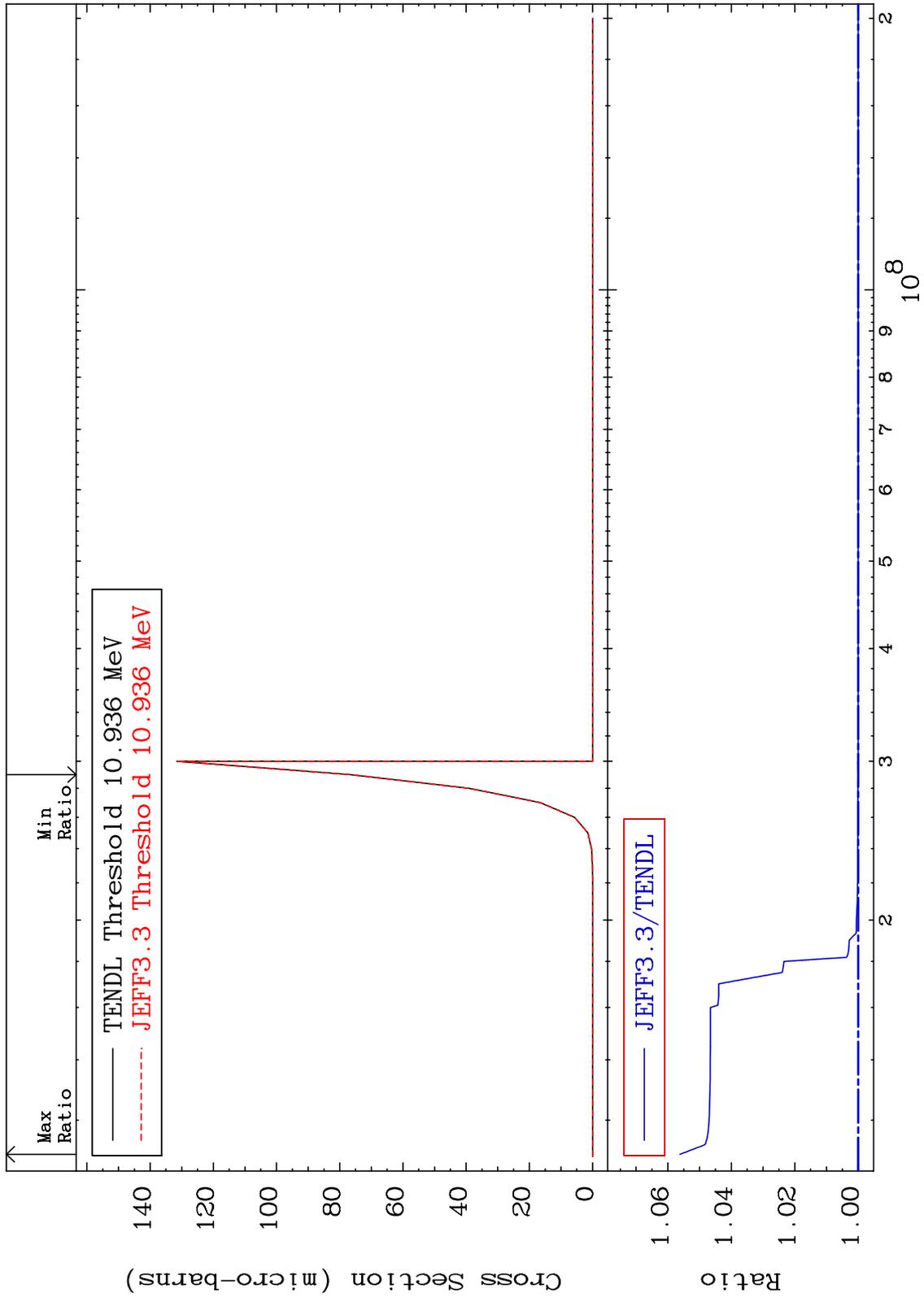


52

Incident Energy (eV)

52-Te-130

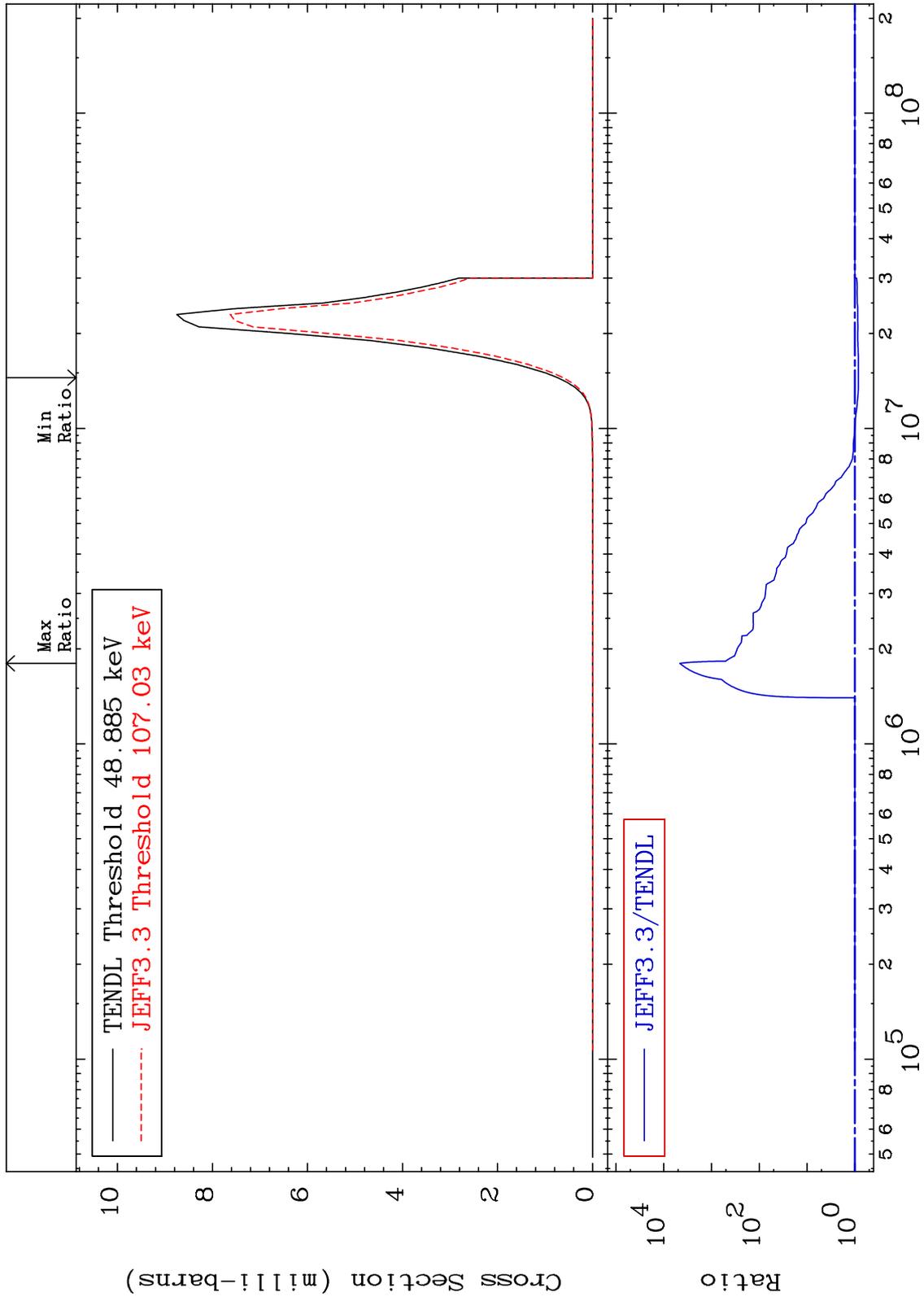
MAT 5255 (n, He-3) 52-Te-130
 Cross Section -0.005 To 5.619 %



MAT 5255

(n, α)
Cross Section

52-Te-130
-15.61 To 9999. %



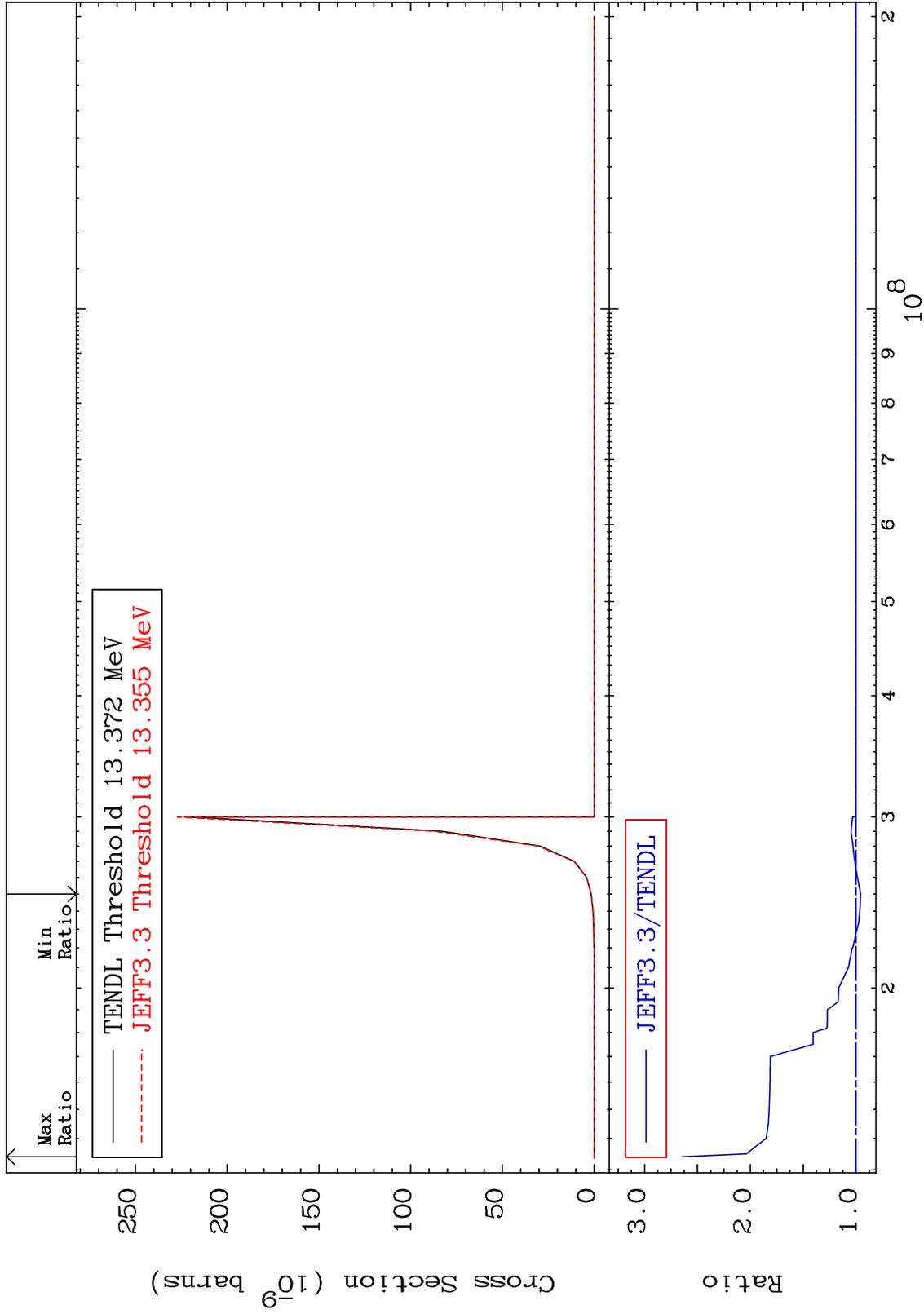
MAT 5255

(n,2p)

52-Te-130

Cross Section

-4.311 To 164.9 %



55

Incident Energy (eV)

52-Te-130

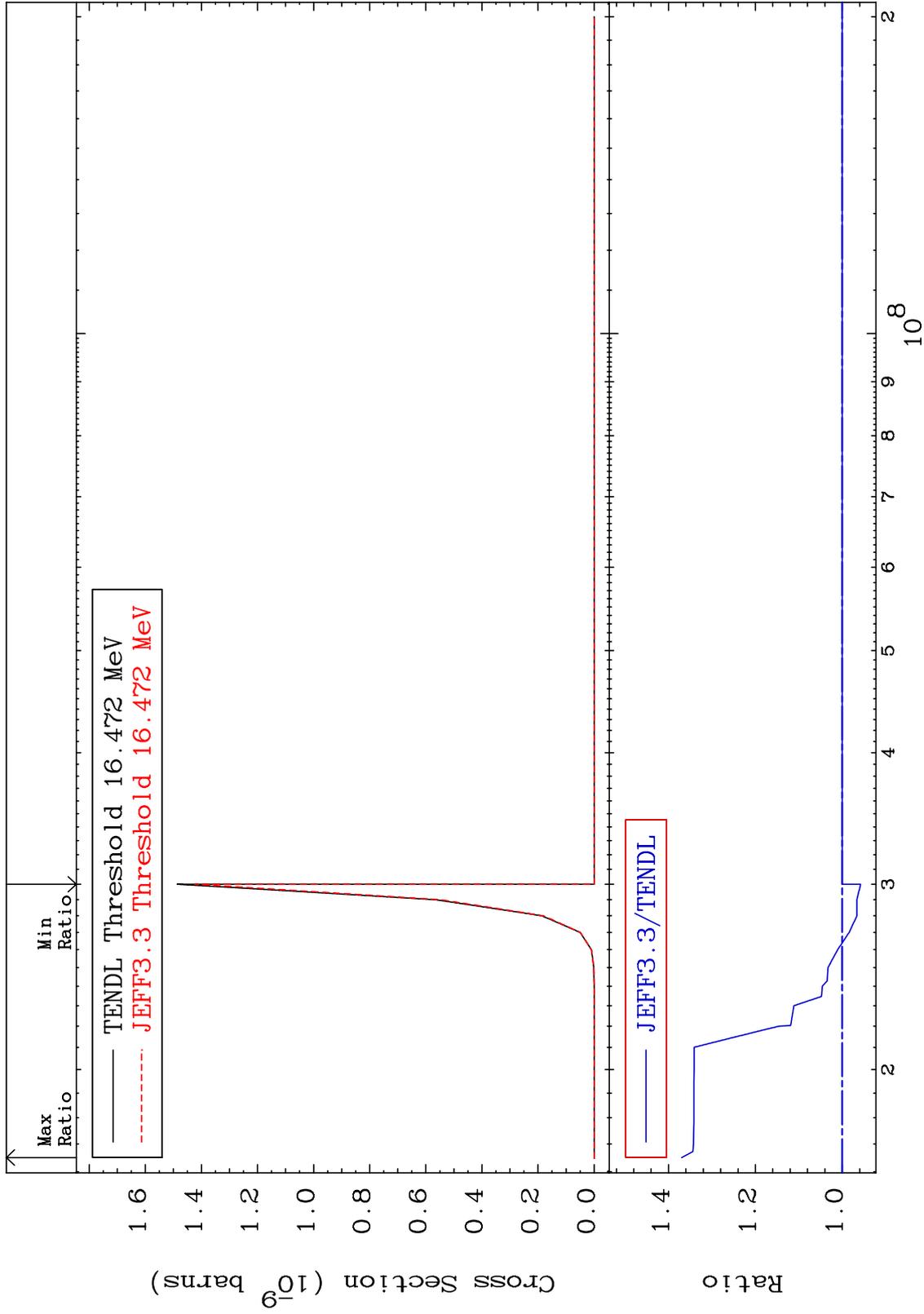
MAT 5255

(n,p) d

52-Te-130

Cross Section

-4.237 To 36.95 %



56

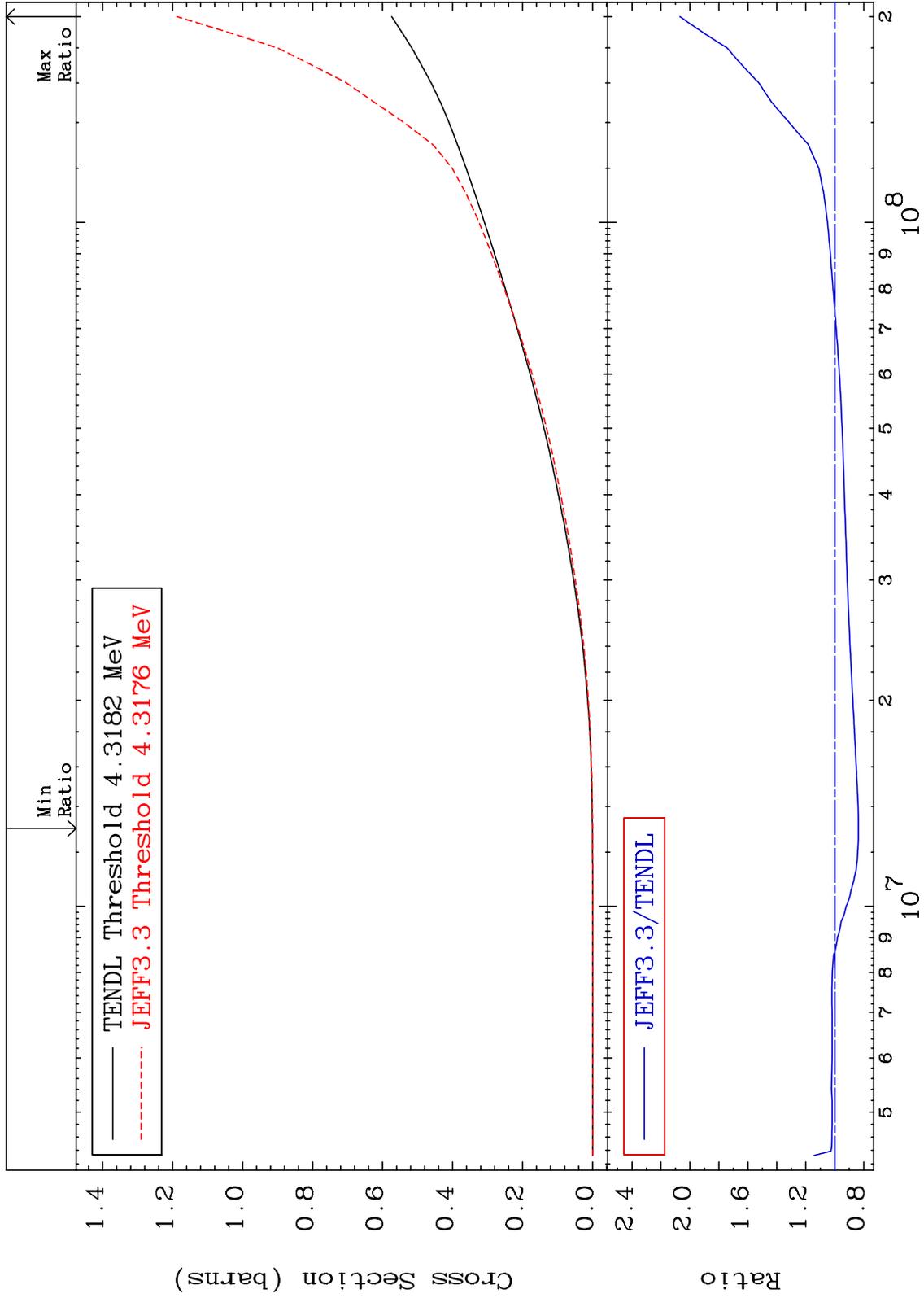
Incident Energy (eV)

52-Te-130

MAT 5255

Hydrogen Production
Cross Section

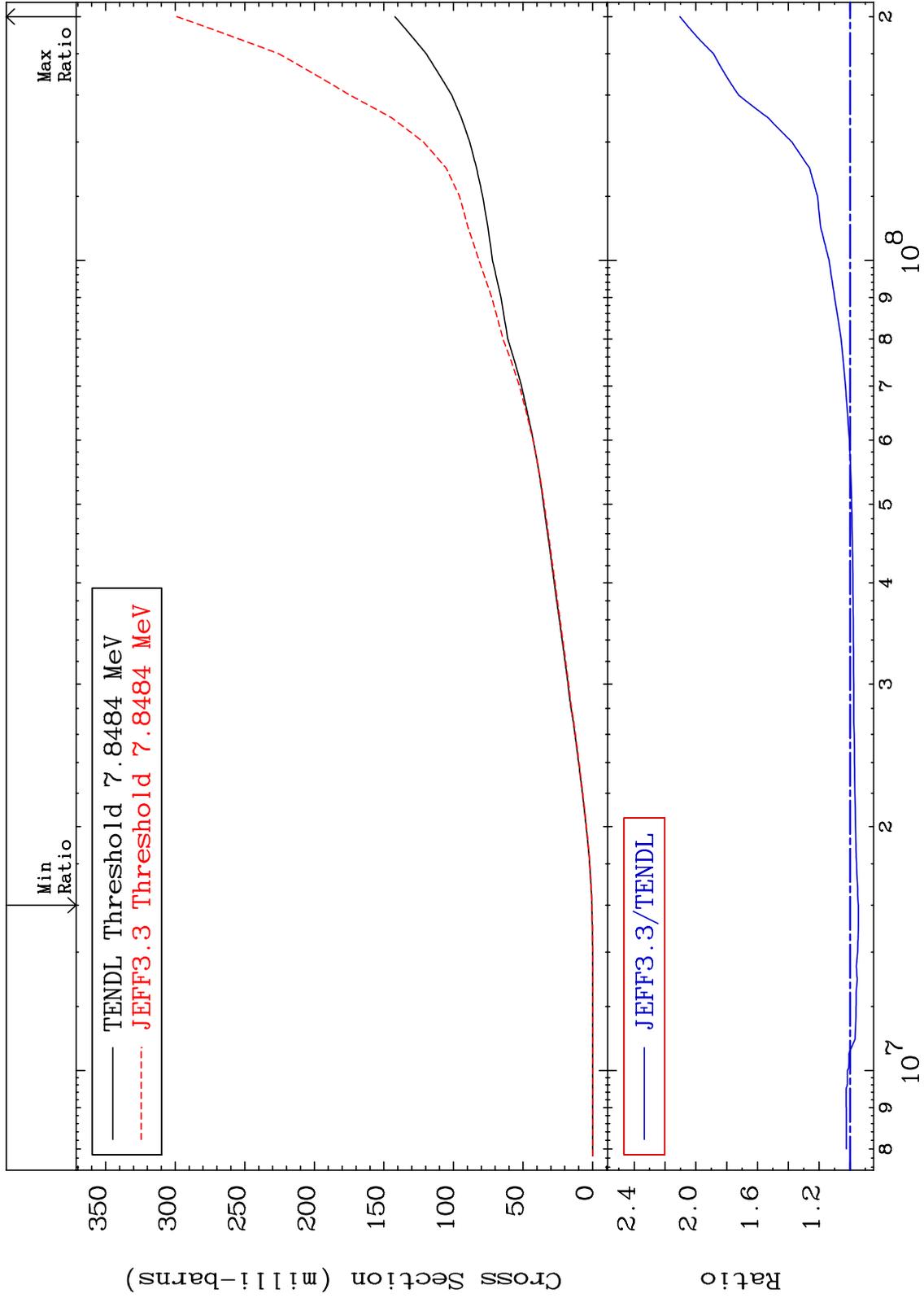
52-Te-130
-16.30 To 106.9 %



MAT 5255

Deuterium Production
Cross Section

52-Te-130
-5.455 To 110.3 %



58

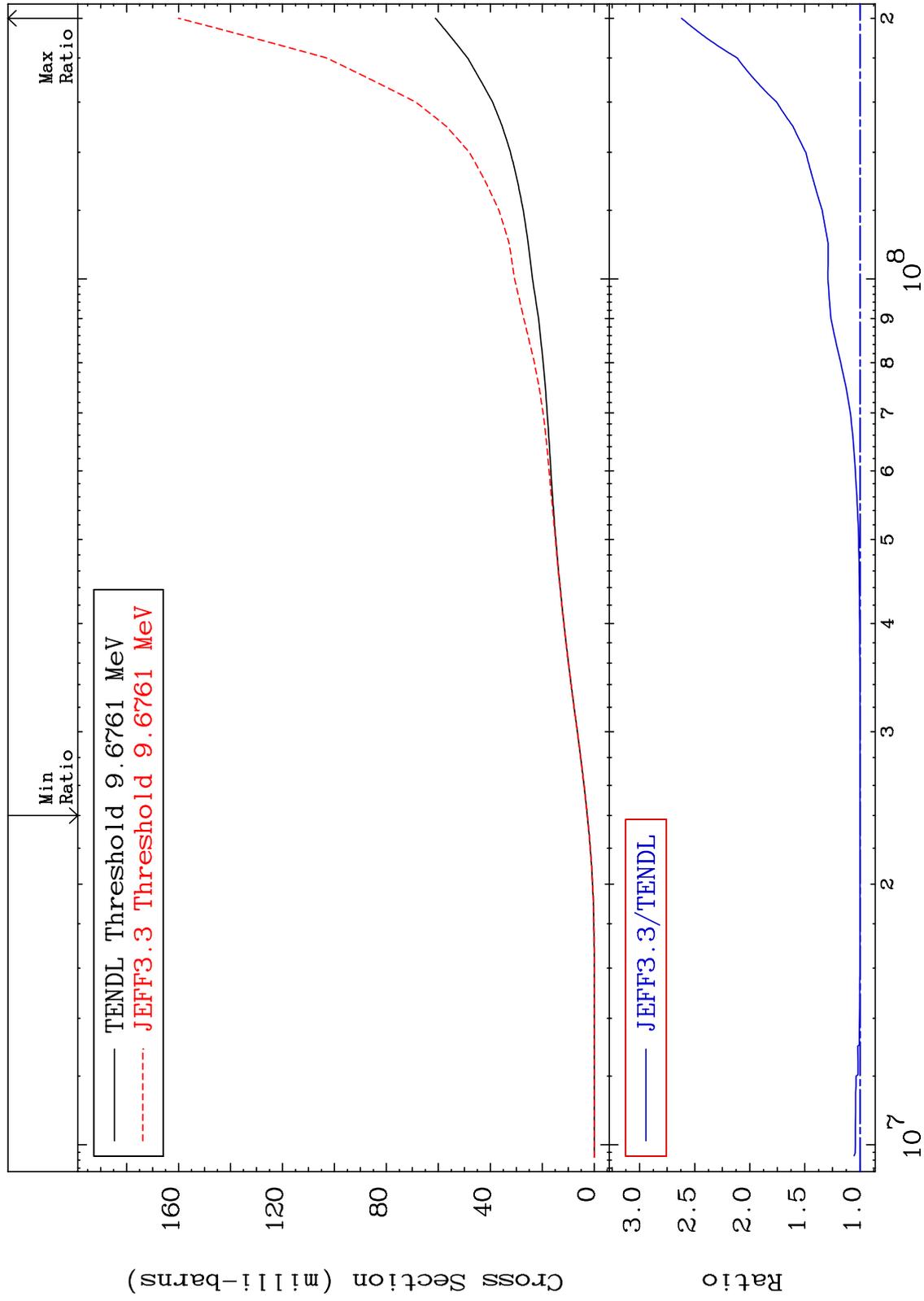
Incident Energy (eV)

52-Te-130

MAT 5255

Tritium Production
Cross Section

52-Te-130
-0.067 To 161.9 %



59

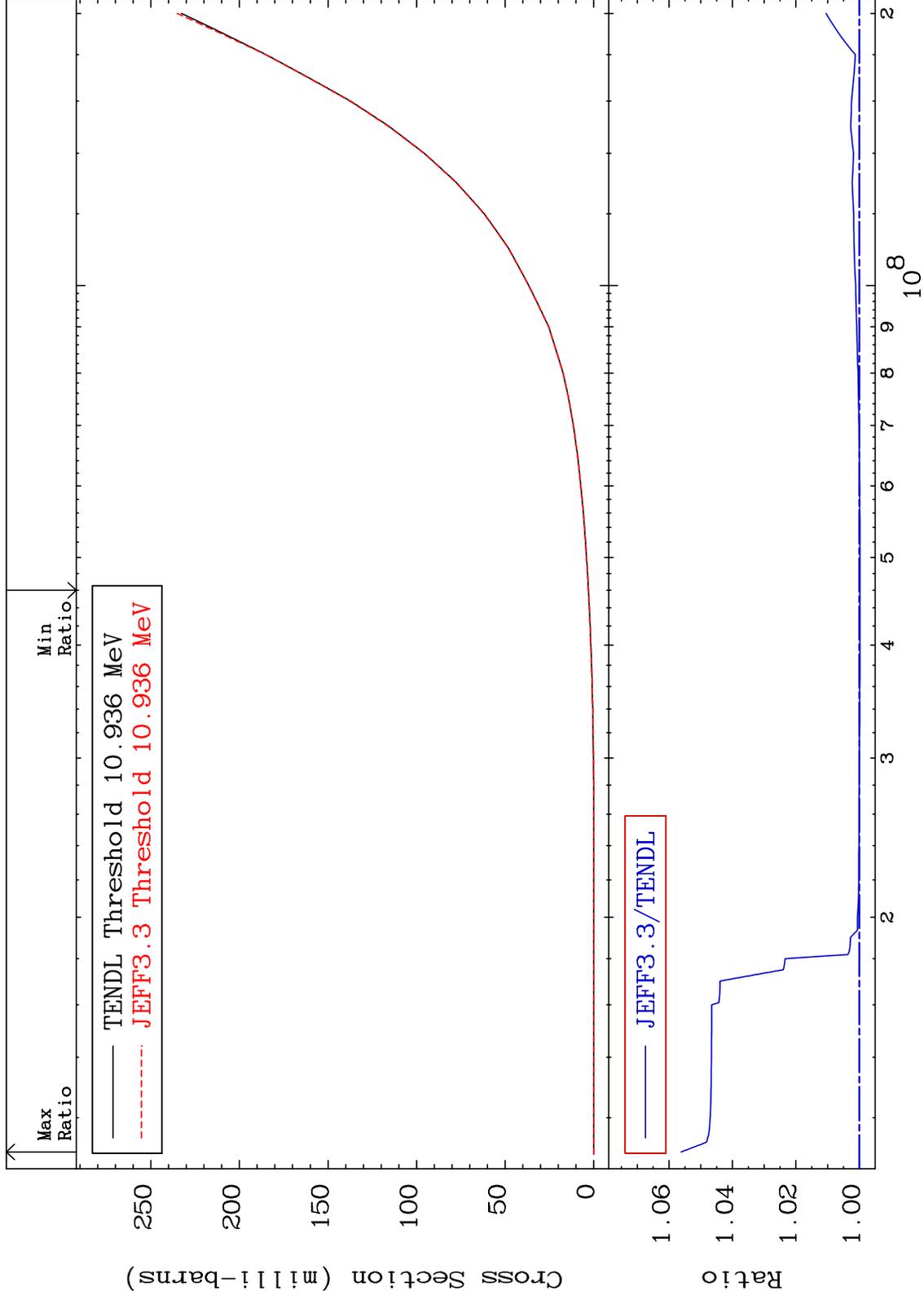
Incident Energy (eV)

52-Te-130

MAT 5255

He-3 Production
Cross Section

52-Te-130
-0.018 To 5.619 %



60

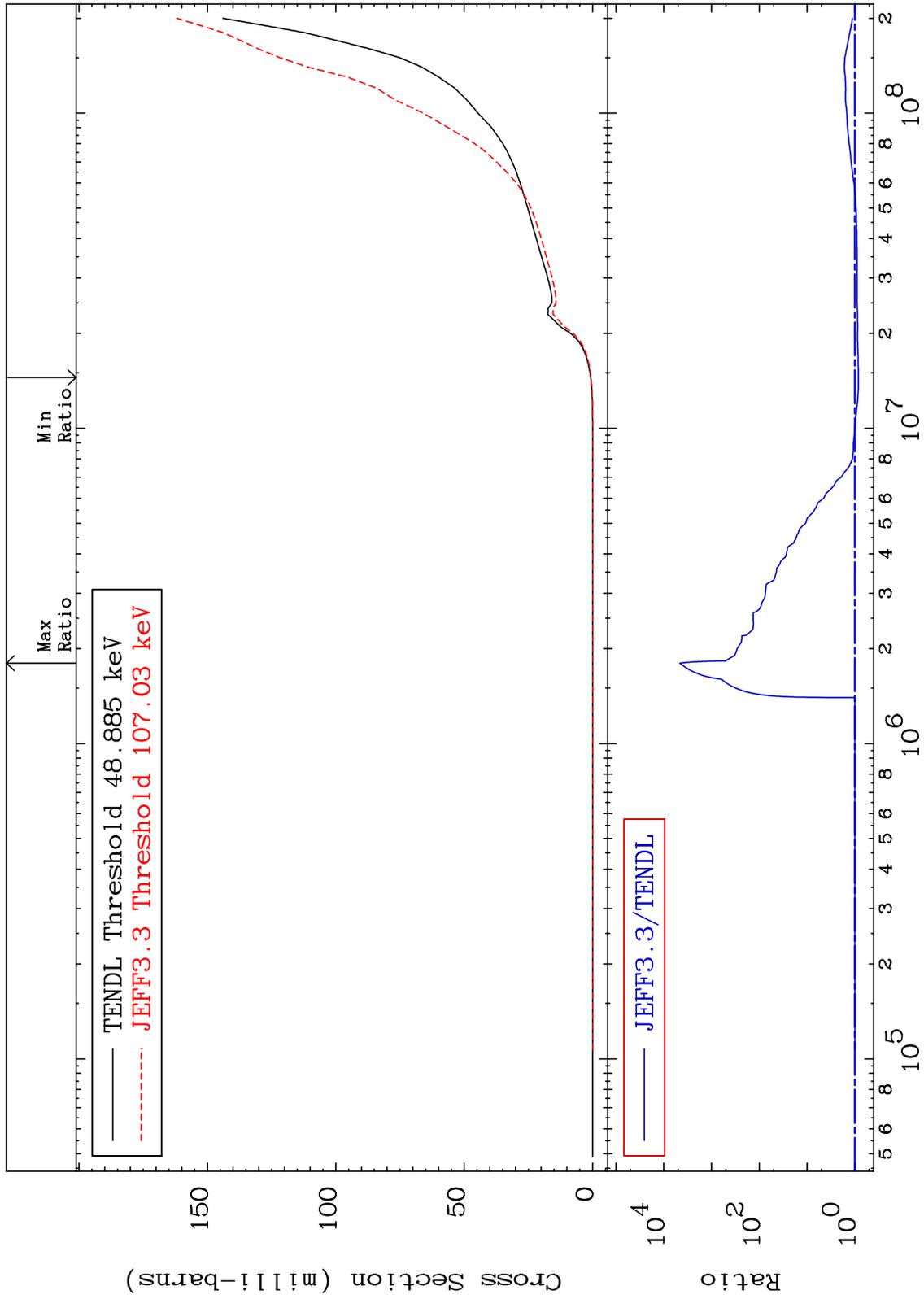
Incident Energy (eV)

52-Te-130

MAT 5255

He-4 Production
Cross Section

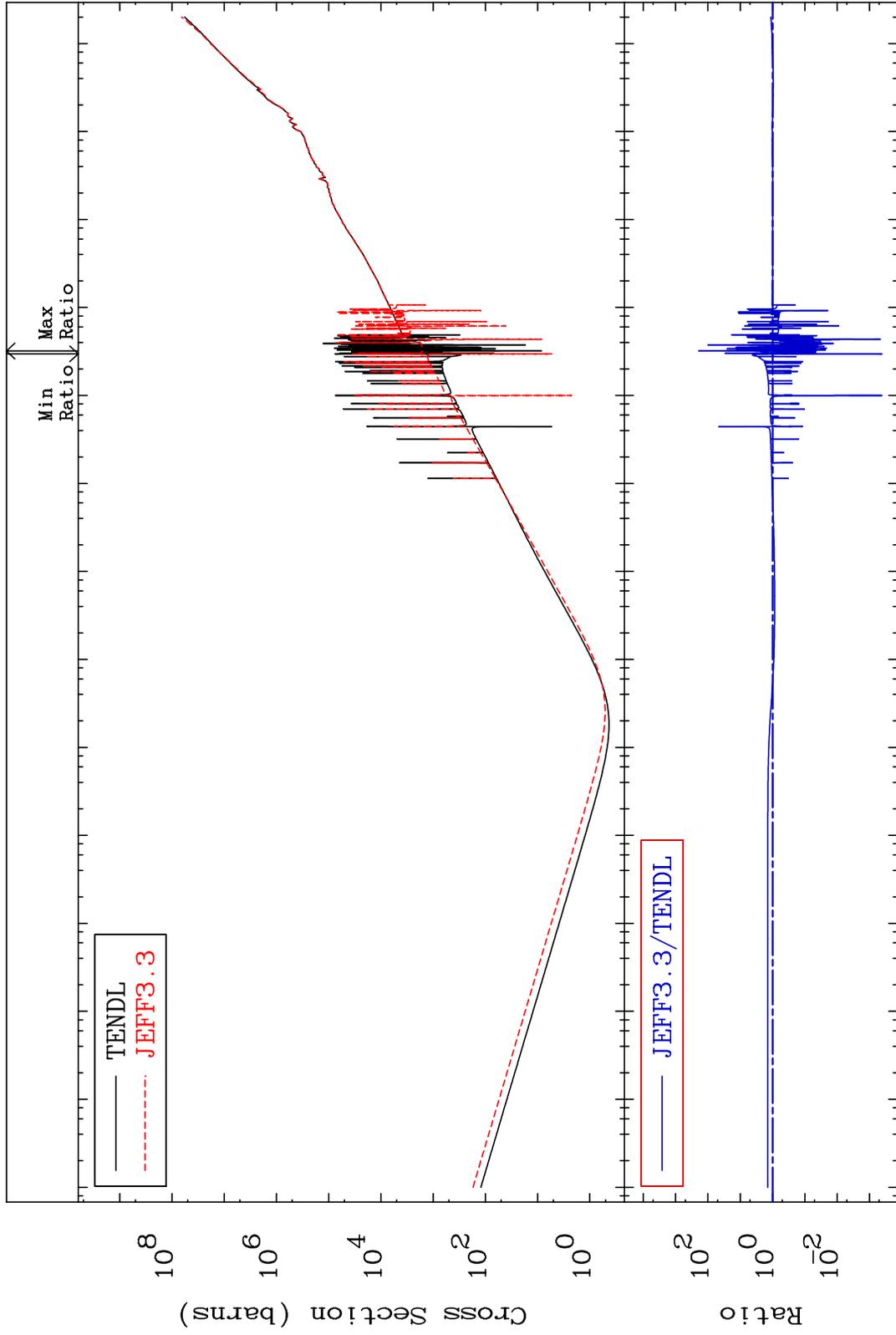
52-Te-130
-15.44 To 9999. %



MAT 5255

Kerma total (eV-barns)
Cross Section

52-Te-130
-99.96 To 9999. %



62

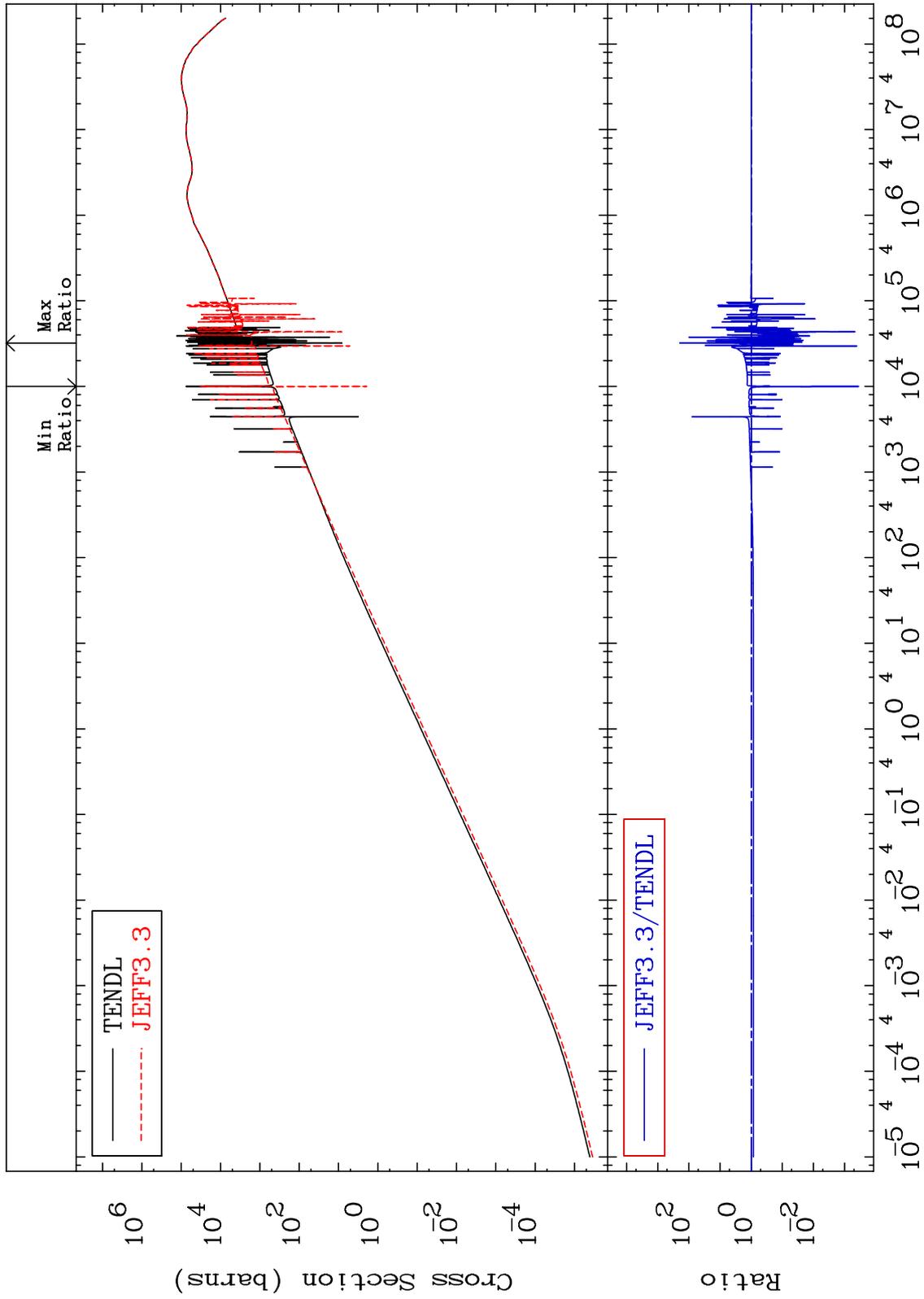
Incident Energy (eV)

52-Te-130

MAT 5255

Kerma elastic
Cross Section

52-Te-130
-99.96 To 9999. %



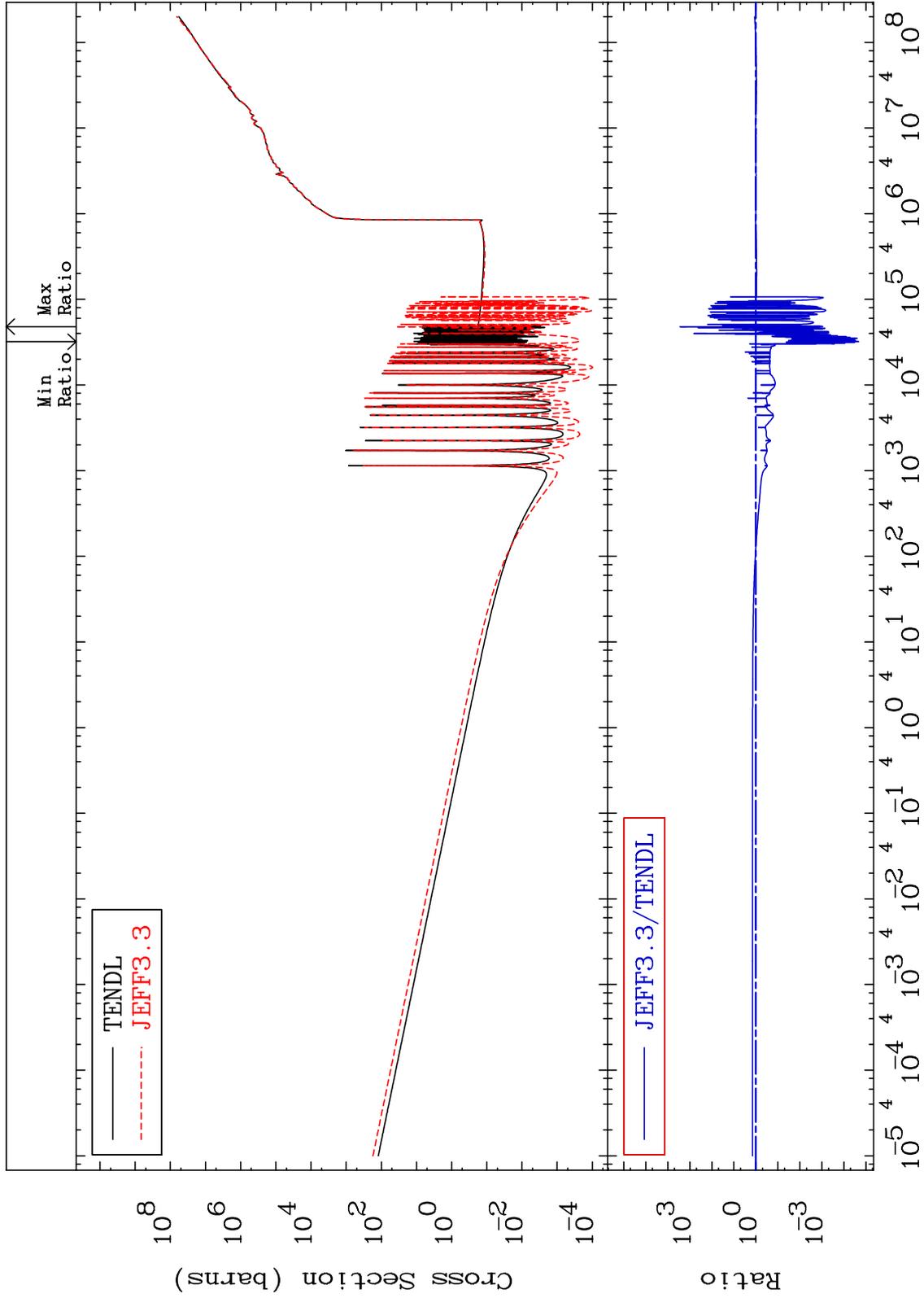
— TENDL
- - - JEFF3.3

— JEFF3.3/TENDL

MAT 5255

Kerma non-elastic (all but mt2)
Cross Section

52-Te-130
-100.0 To 9999. %



64

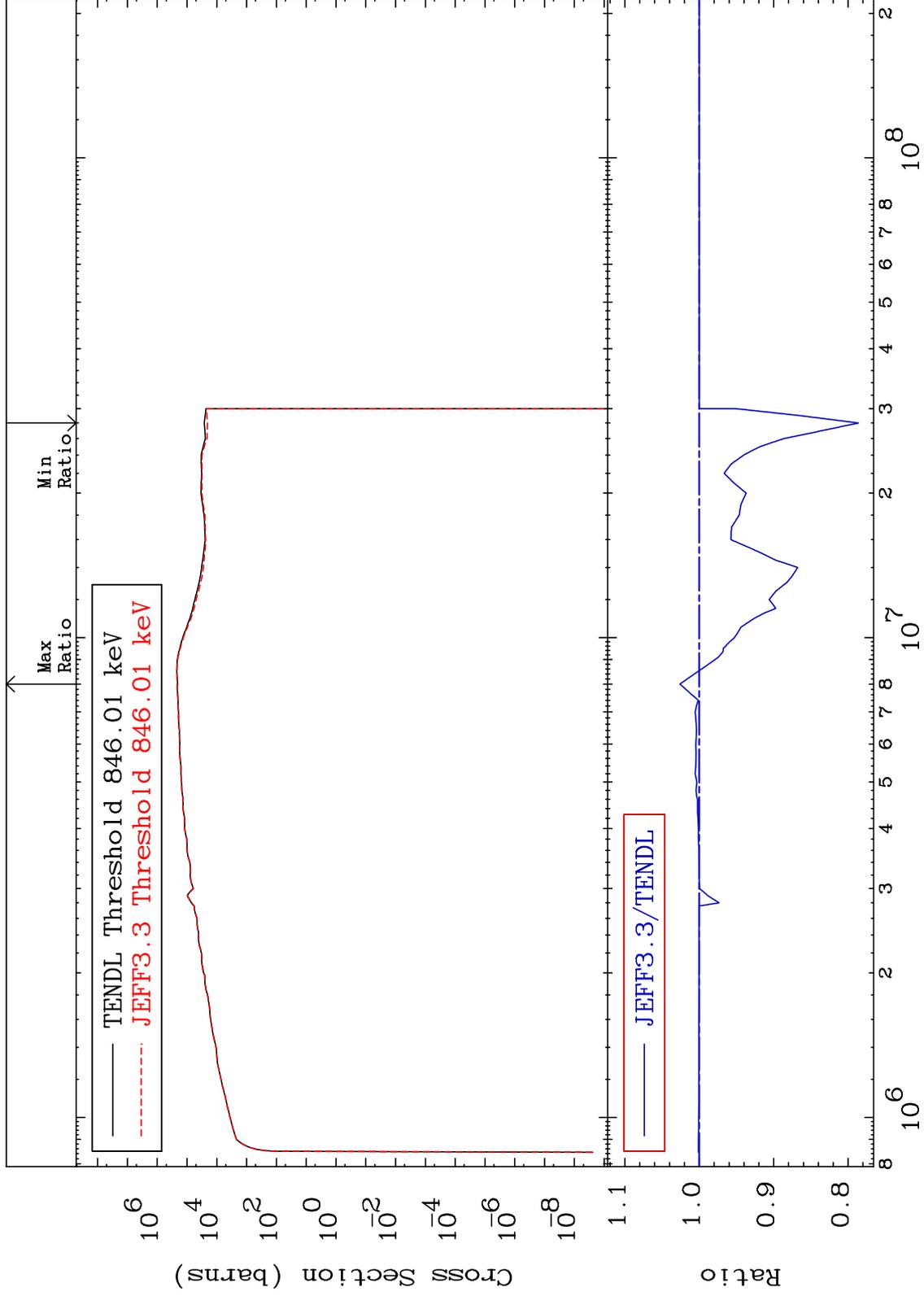
Incident Energy (eV)

52-Te-130

MAT 5255

Kerma inelastic (mt51-91)
Cross Section

52-Te-130
-21.38 To 2.604 %



65

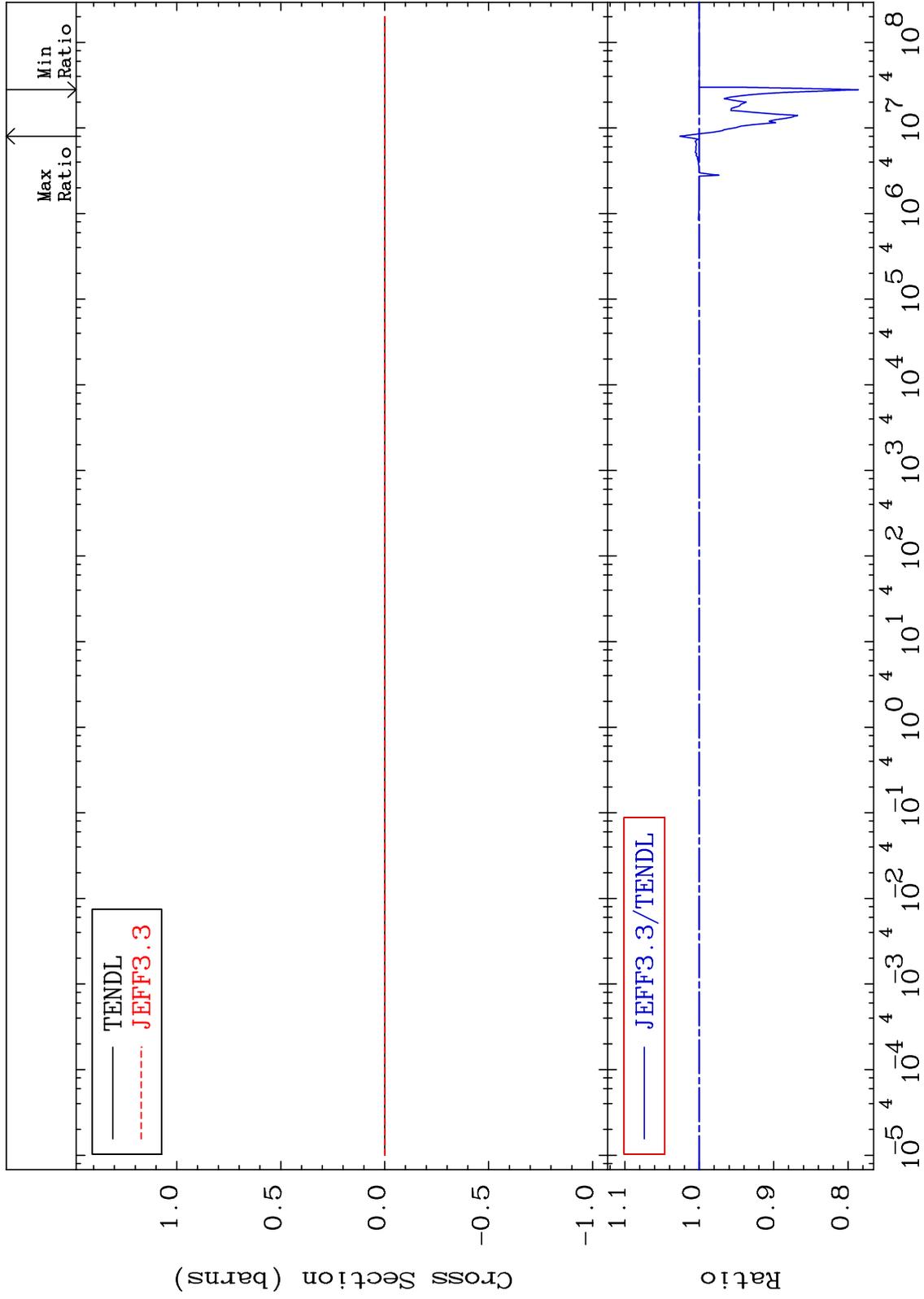
Incident Energy (eV)

52-Te-130

MAT 5255

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

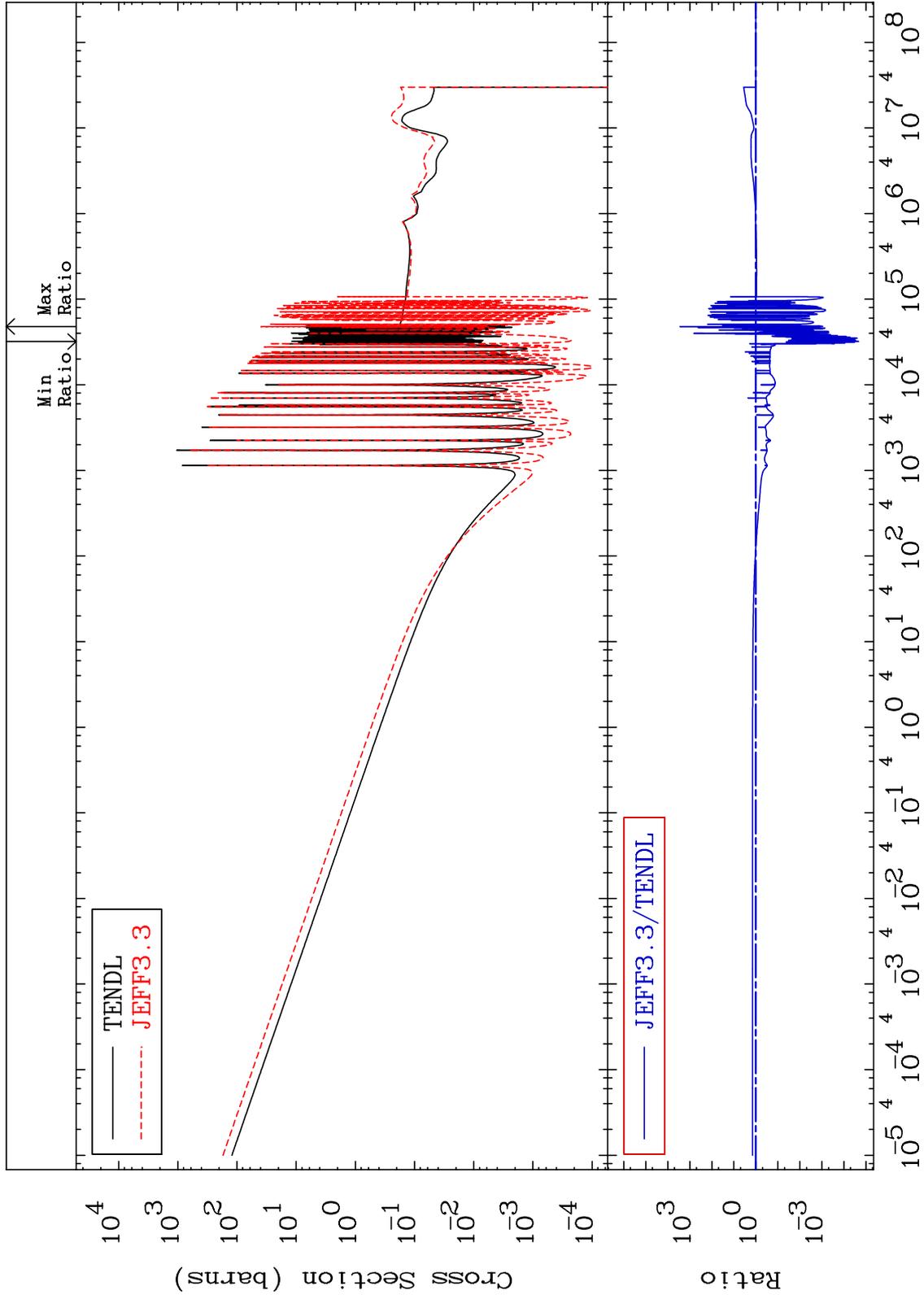
52-Te-130
-21.38 To 2.604 %



MAT 5255

Kerma capture (mt102)
Cross Section

52-Te-130
-100.0 To 9999. %



67

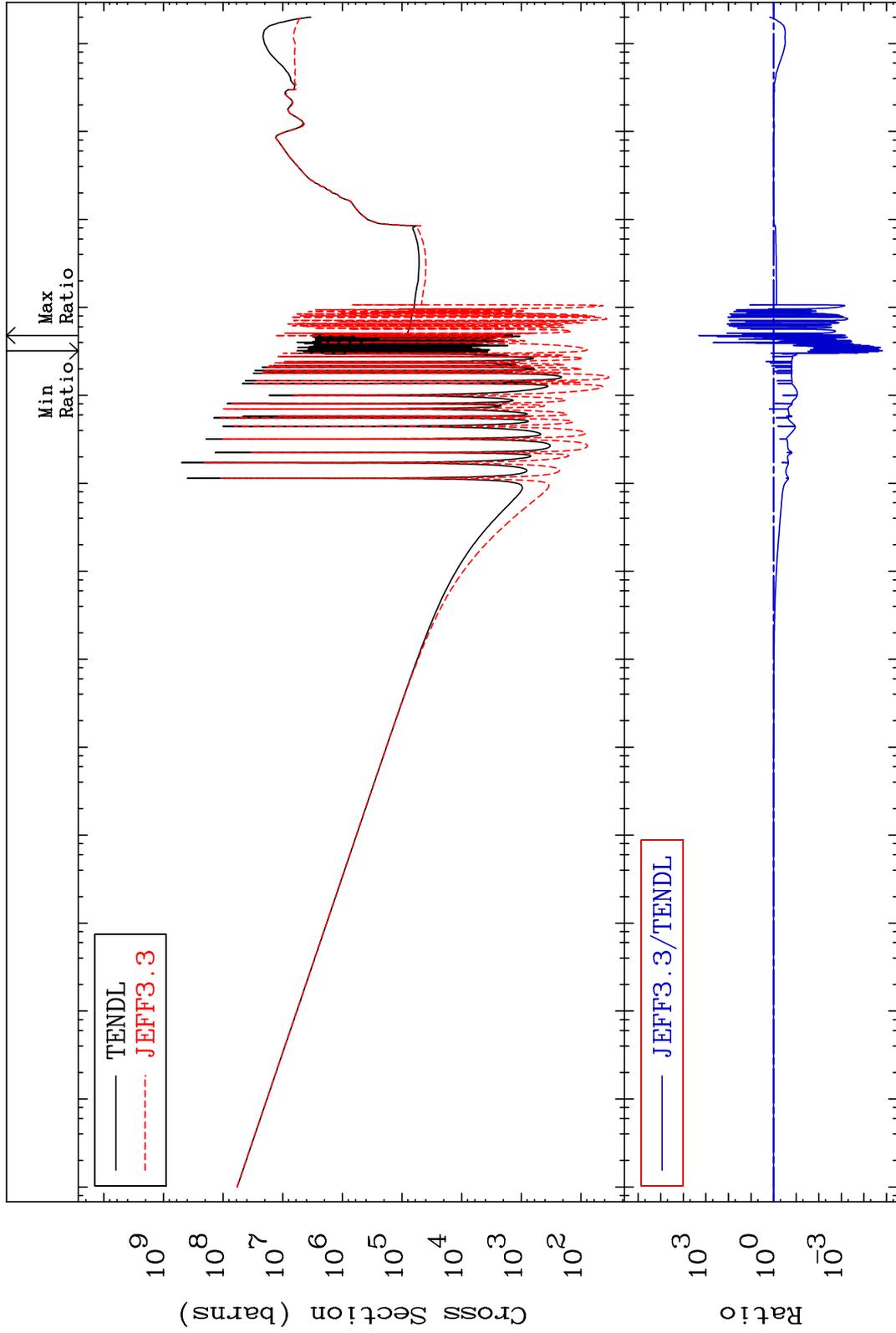
Incident Energy (eV)

52-Te-130

MAT 5255

Total photon (eV-barns)
Cross Section

52-Te-130
-100.0 To 9999. %



68

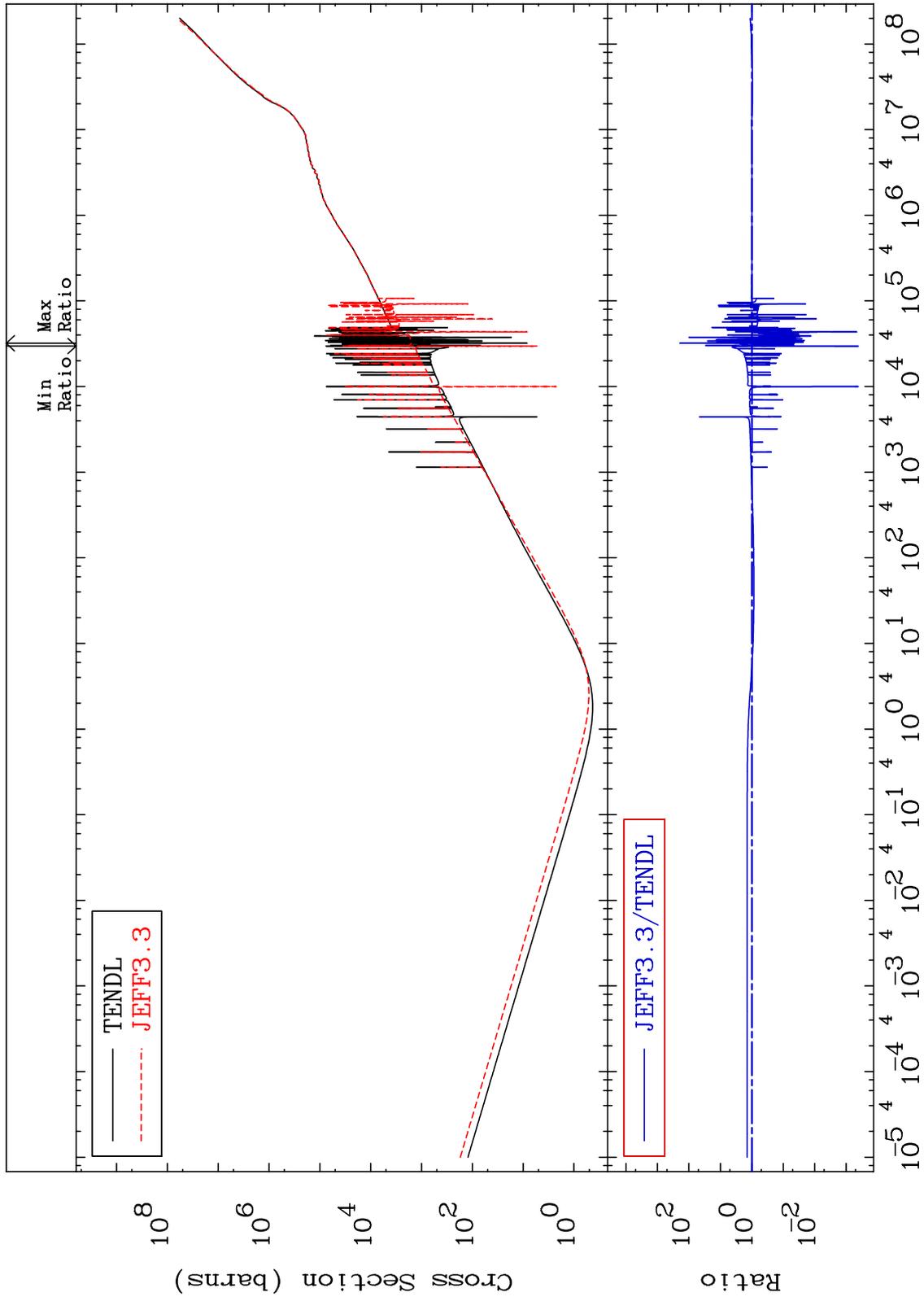
Incident Energy (eV)

52-Te-130

MAT 5255

Total kinematic kerma (high limit)
Cross Section

52-Te-130
-99.96 To 9999. %



69

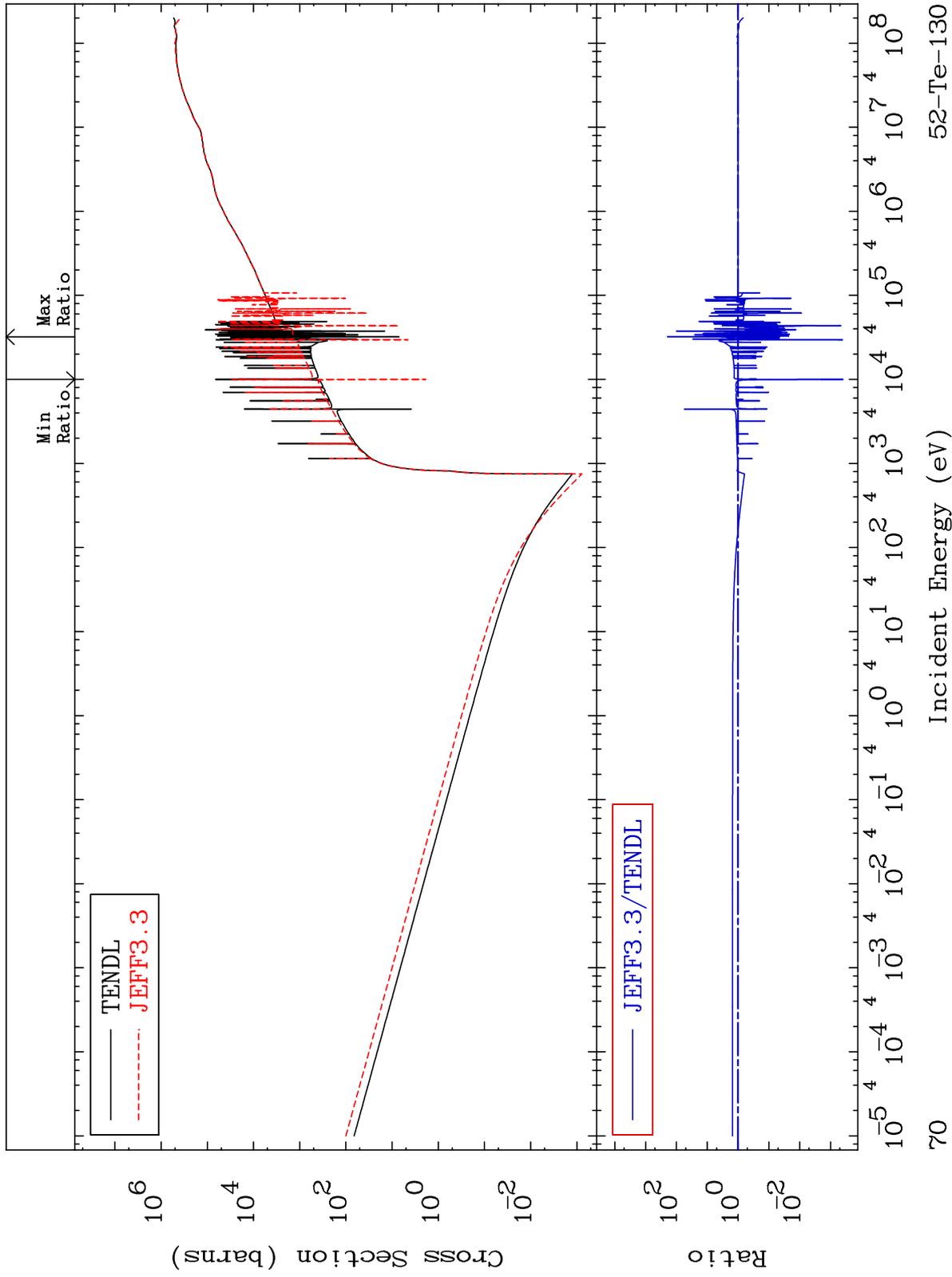
Incident Energy (eV)

52-Te-130

MAT 5255

Dpa total (eV-barns)
Cross Section

52-Te-130
-99.96 To 9999. %



70

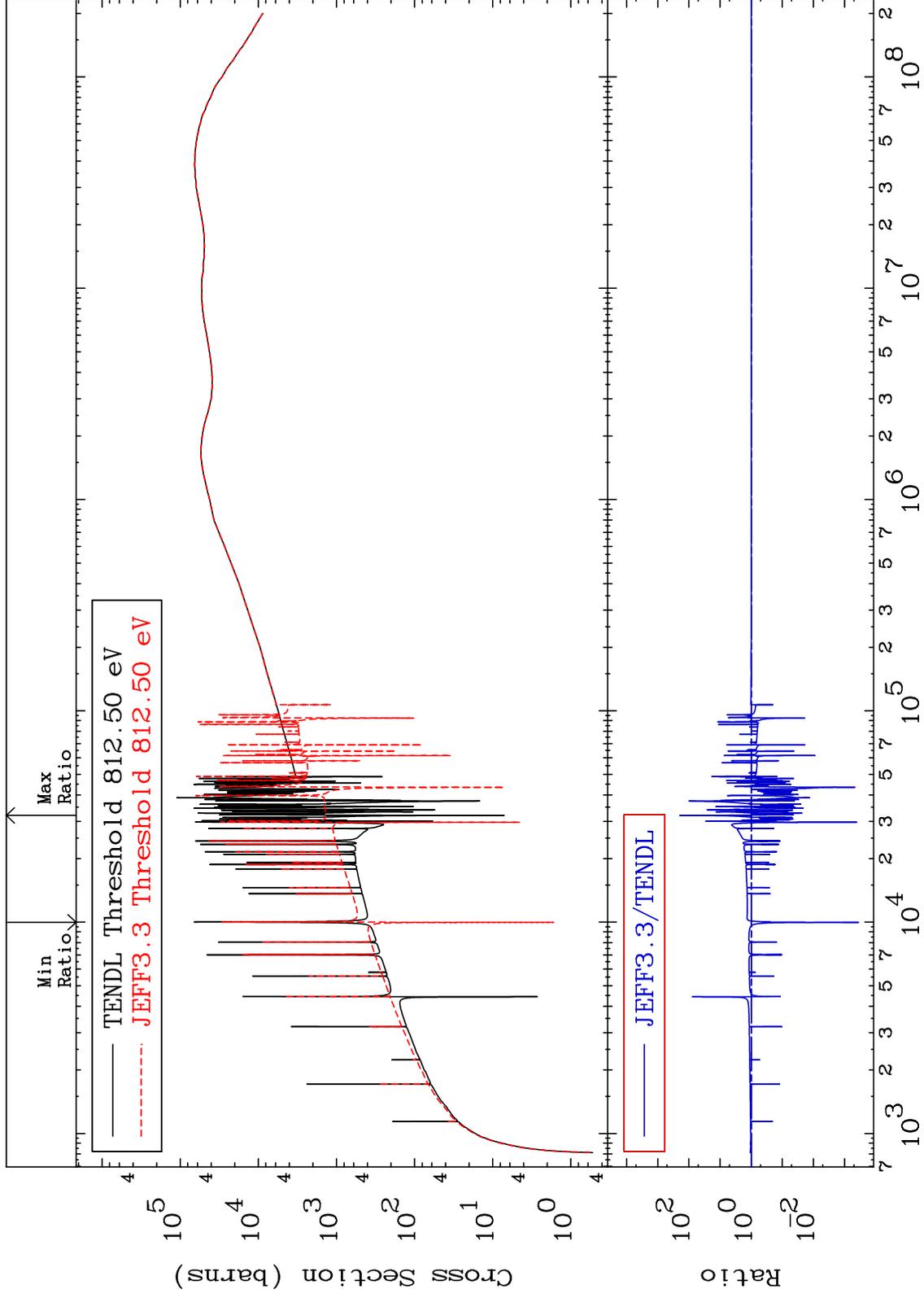
Incident Energy (eV)

52-Te-130

MAT 5255

Dpa elastic (mt2)
Cross Section

52-Te-130
-99.96 To 9999. %



71

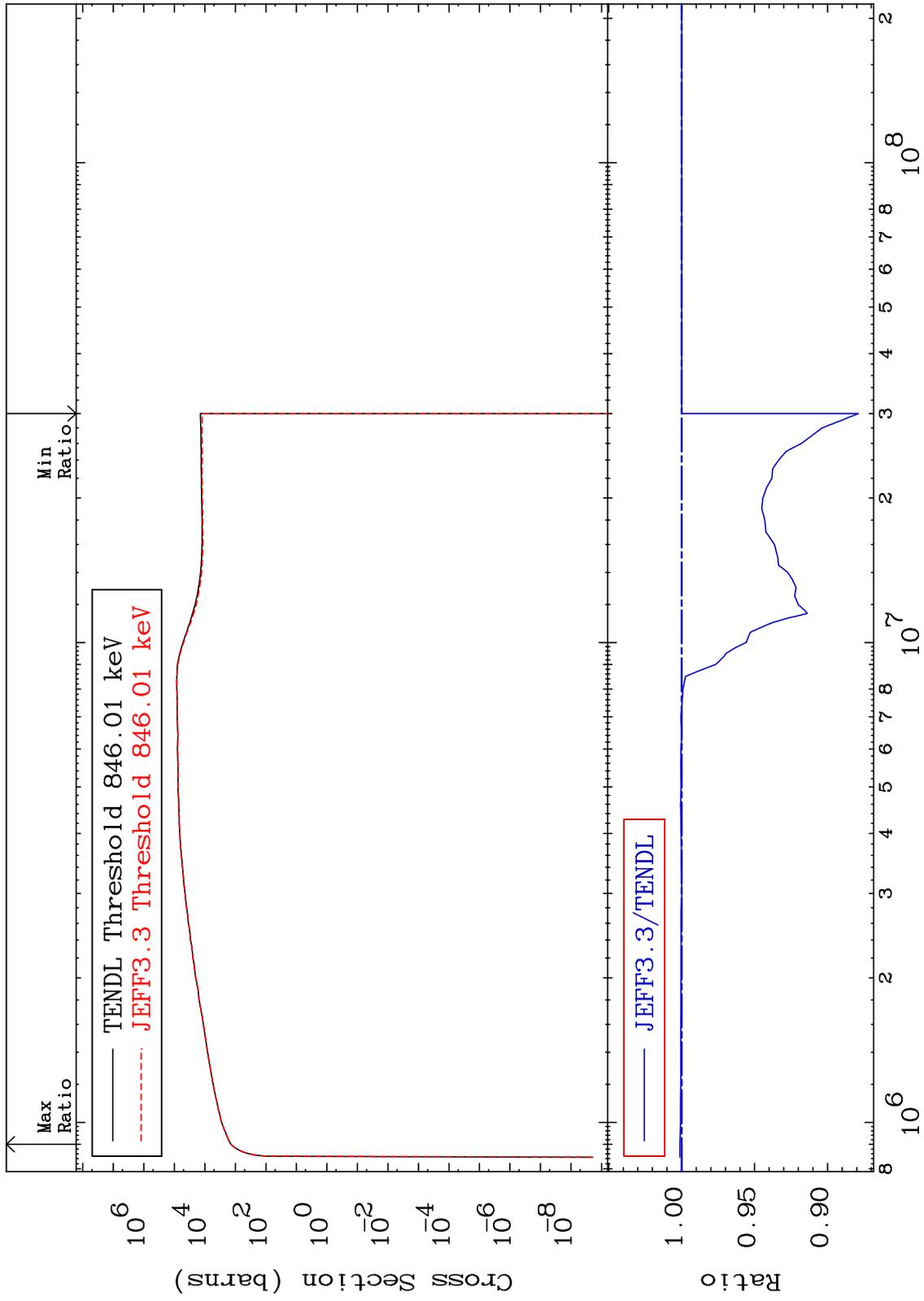
Incident Energy (eV)

52-Te-130

MAT 5255

Dpa inelastic (mt51-91)
Cross Section

52-Te-130
-12.11 To 0.116 %



72

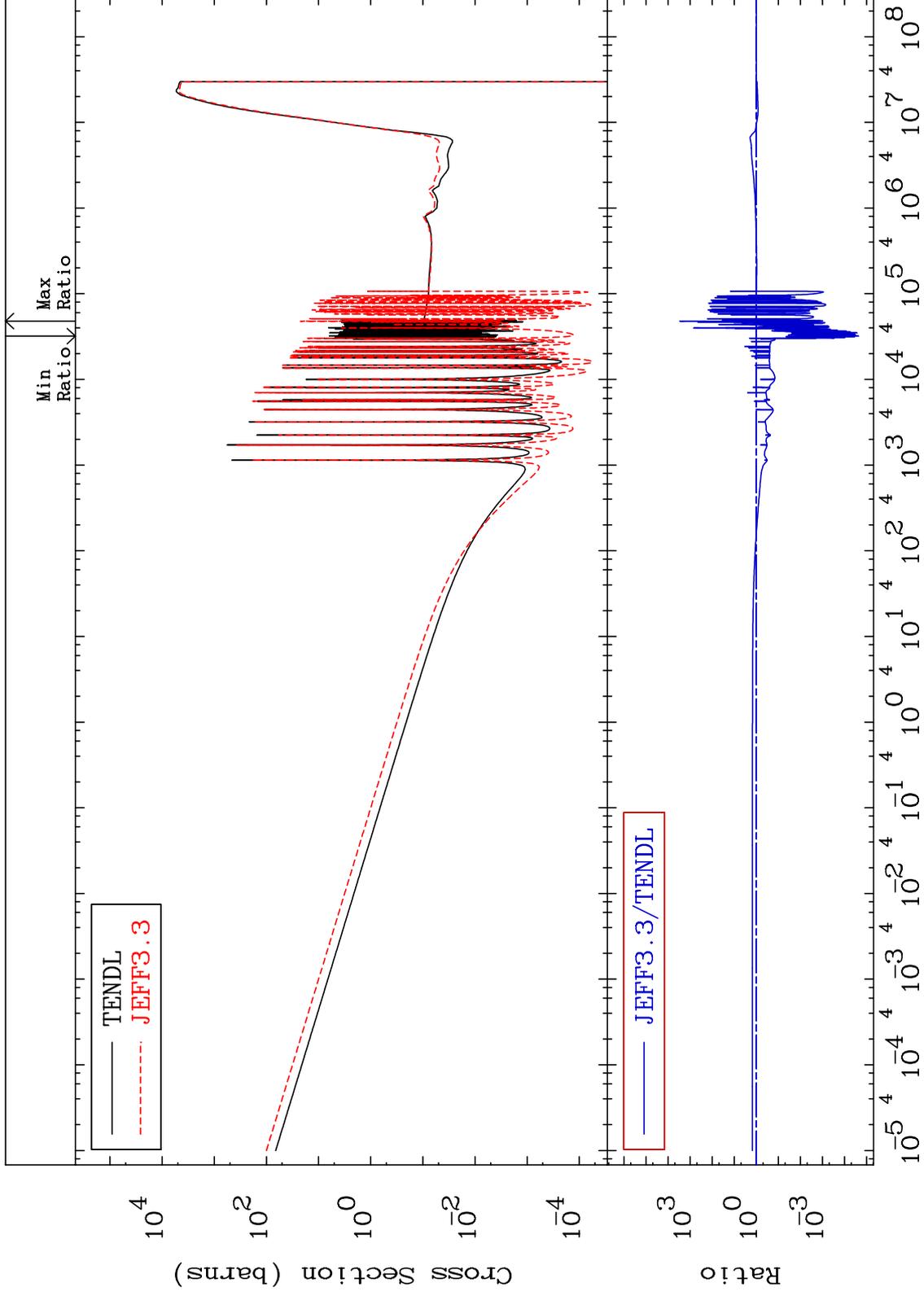
Incident Energy (eV)

52-Te-130

MAT 5255

Dpa disappearance (mt102 -120)
Cross Section

52-Te-130
-100.0 To 9999. %



73

Incident Energy (eV)

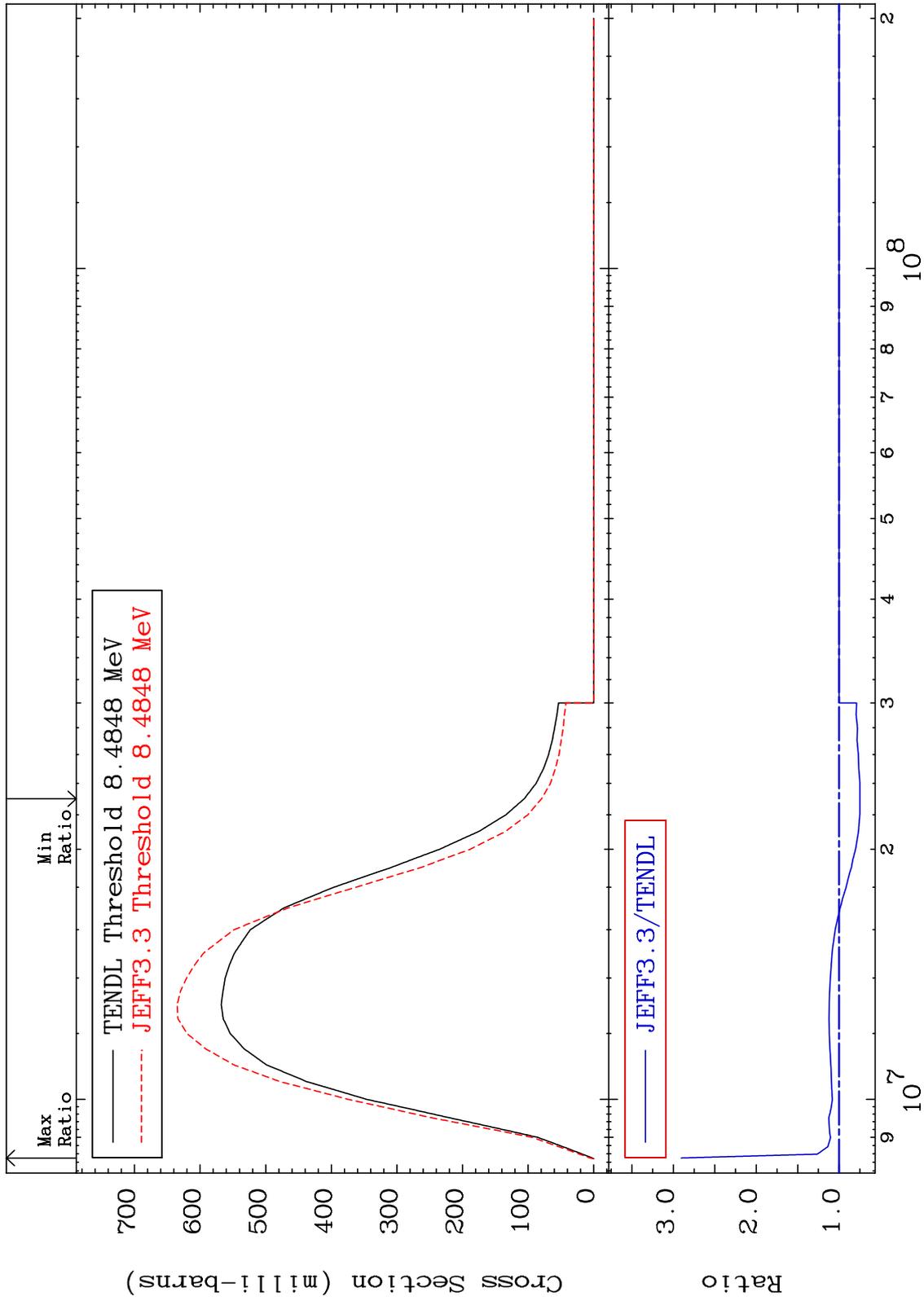
52-Te-130

MAT 5255

(n,2n):52-Te-129g

52-Te-130

Radionuclide Production Cross Section -25.08 To 190.6 %



74

Incident Energy (eV)

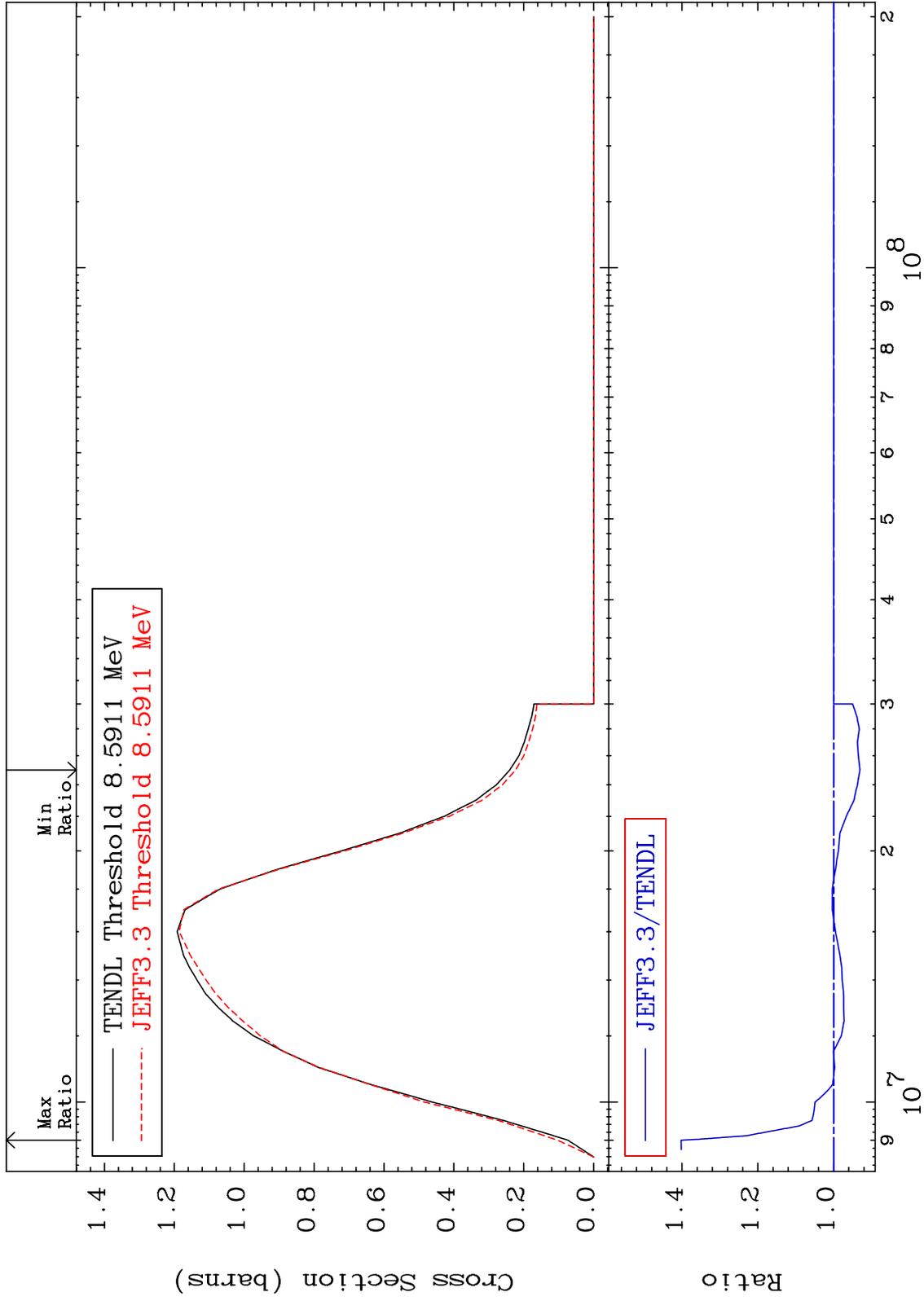
52-Te-130

MAT 5255

(n,2n):52-Te-129m1

52-Te-130

Radionuclide Production Cross Section -6.933 To 40.24 %



75

Incident Energy (eV)

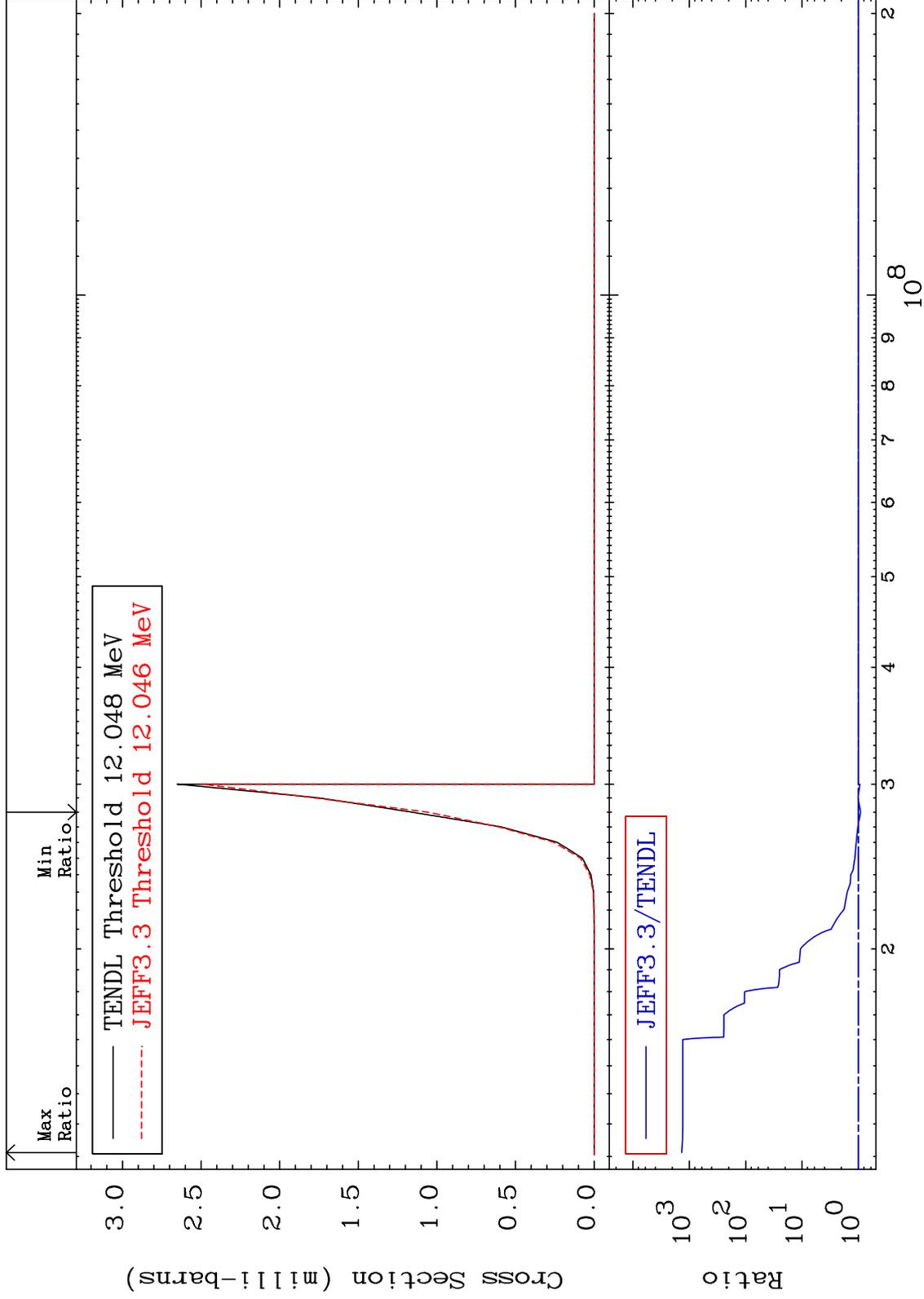
52-Te-130

MAT 5255

(n,2n) α :50-Sn-125g

52-Te-130

Radionuclide Production Cross Section -8.724 To 9999. %

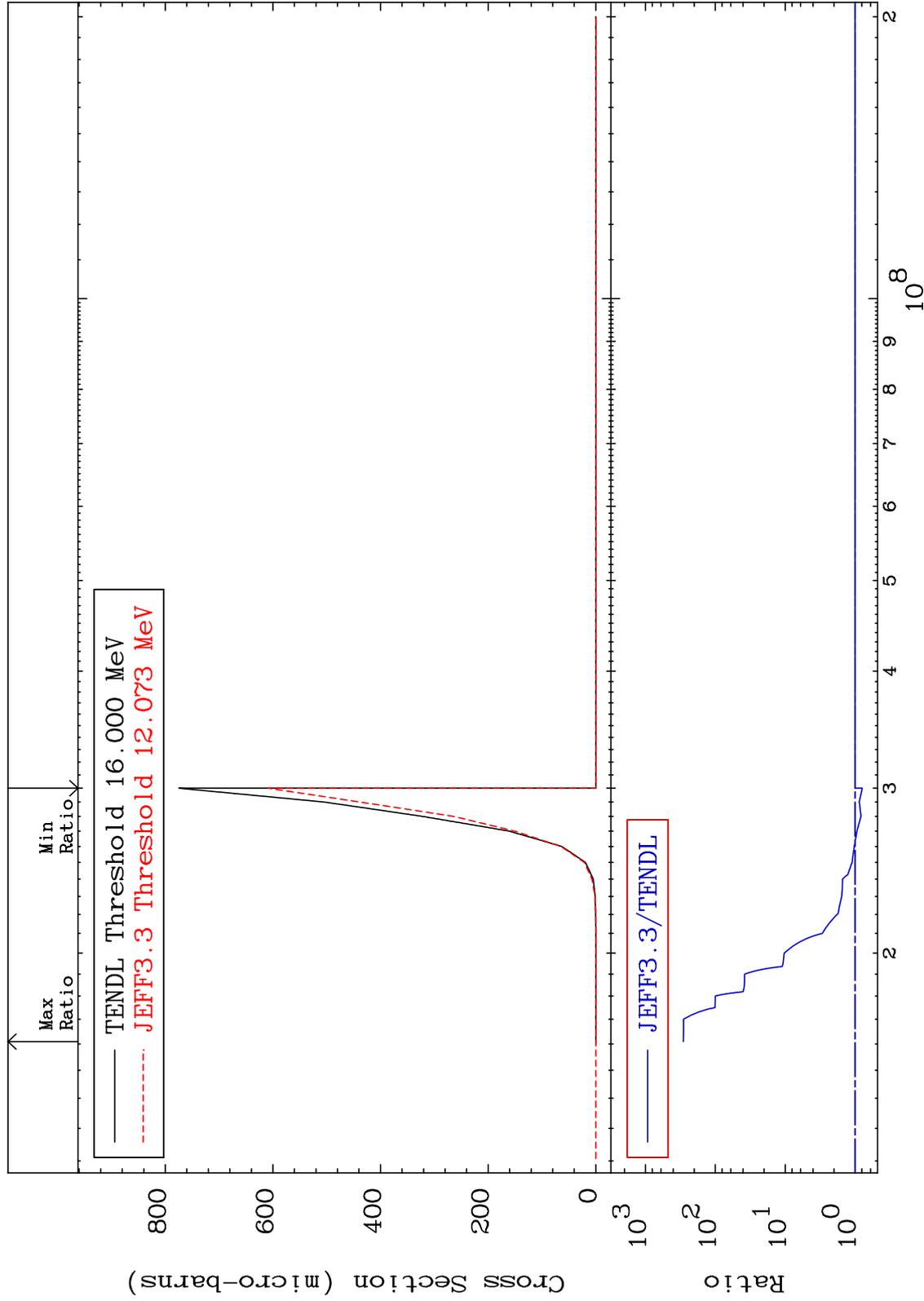


MAT 5255

(n,2n) α :50-Sn-125m1

52-Te-130

Radionuclide Production Cross Section -21.39 To 9999. %



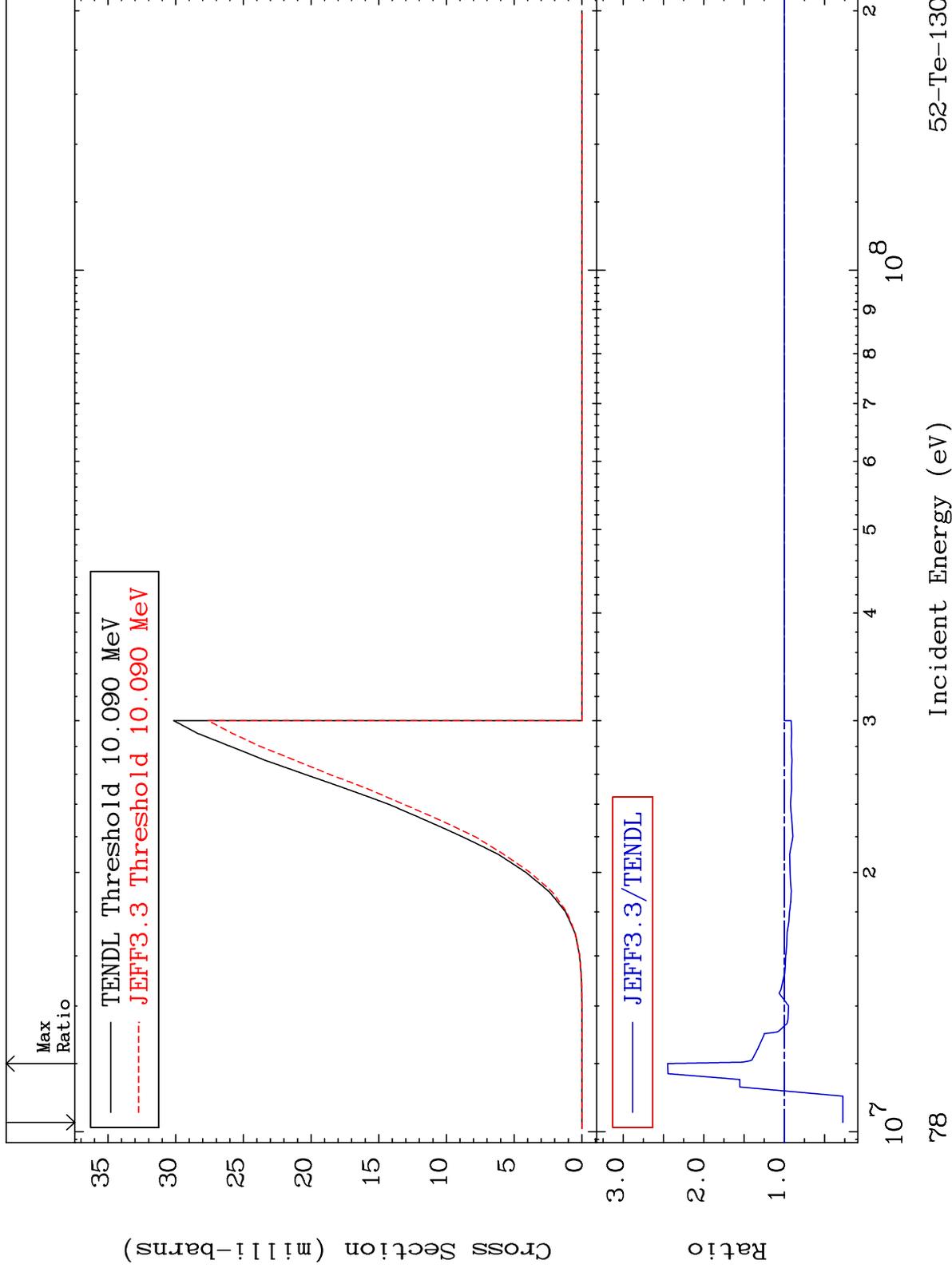
MAT 5255

(n, n') p:51-Sb-129g

52-Te-130

Radionuclide Production Cross Section

-72.69 To 144.9 %

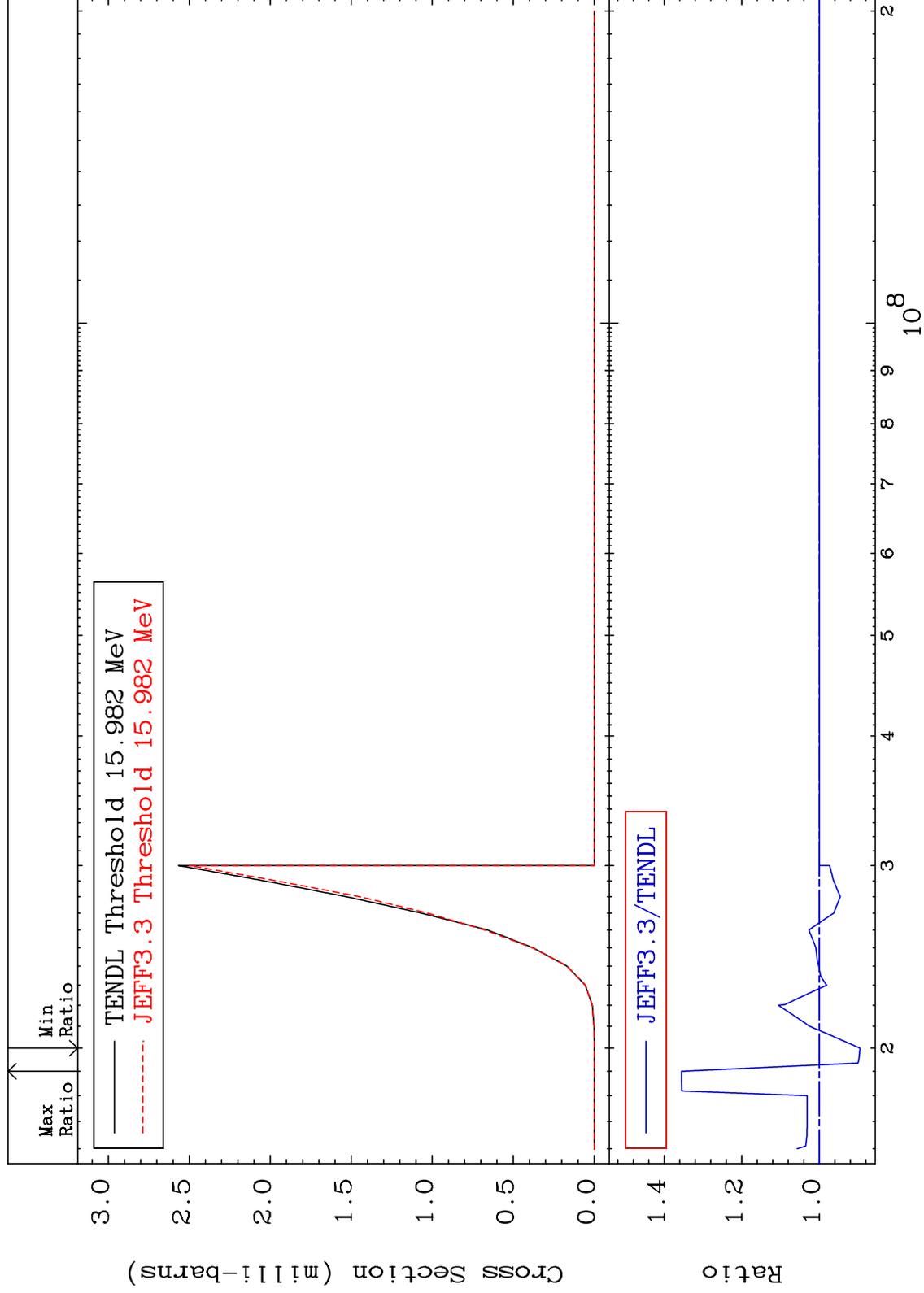


MAT 5255

(n, n') d:51-Sb-128g

52-Te-130

Radionuclide Production Cross Section -10.51 To 35.54 %

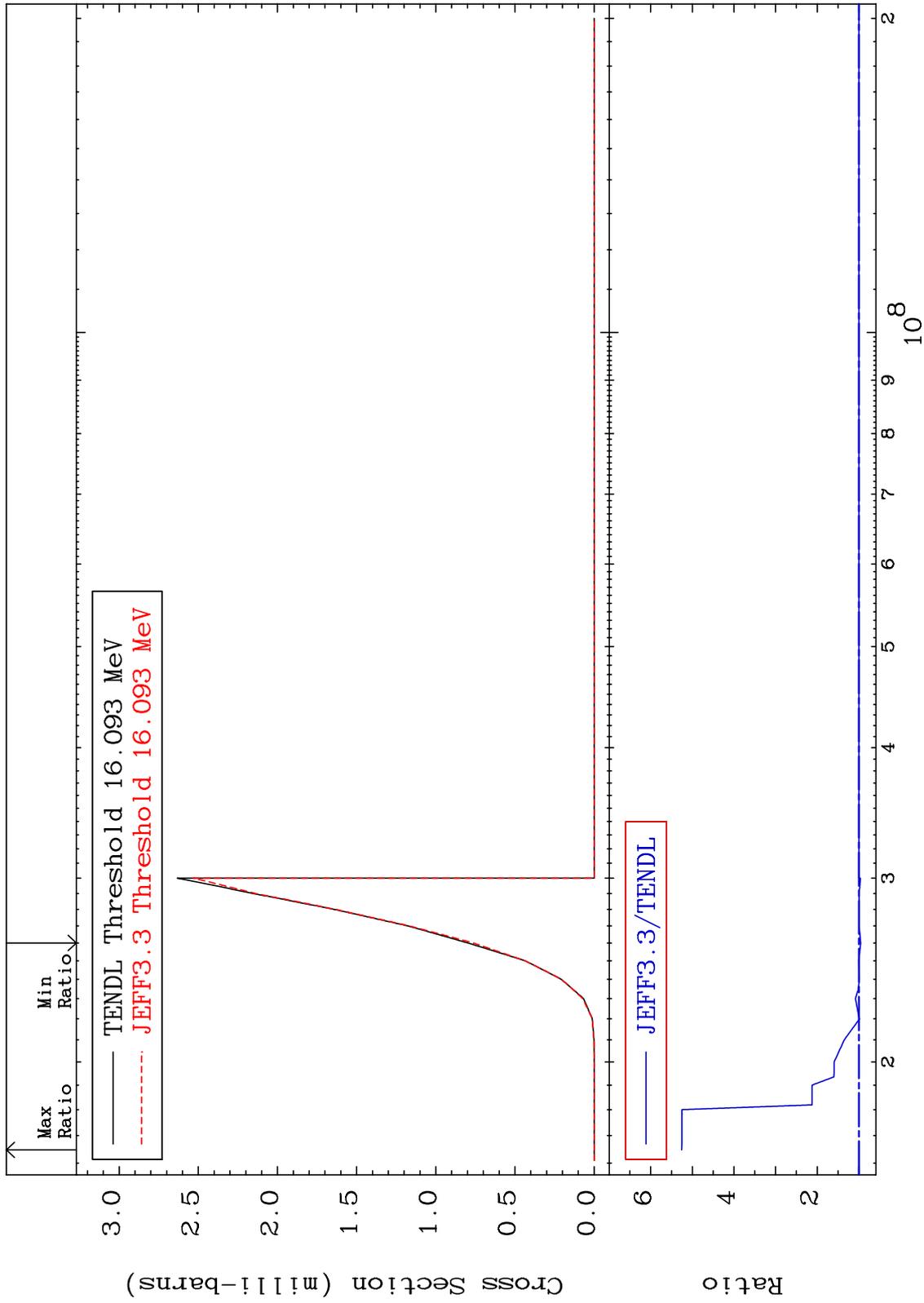


MAT 5255

(n, n') d:51-Sb-128m1

52-Te-130

Radionuclide Production Cross Section -4.334 To 425.4 %

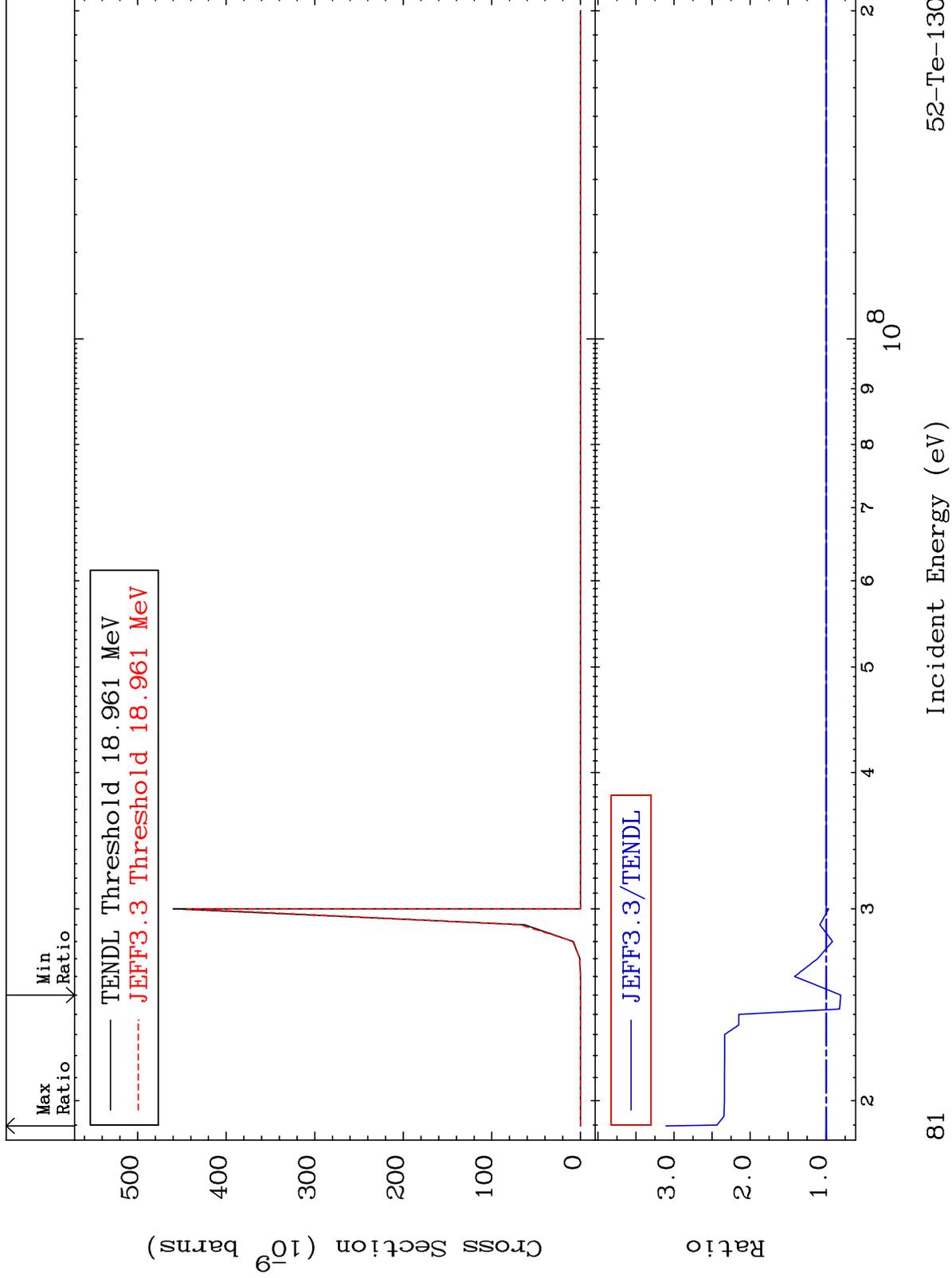


MAT 5255

(n, n') He-3:50-Sn-127g

52-Te-130

Radionuclide Production Cross Section -19.27 To 210.6 %

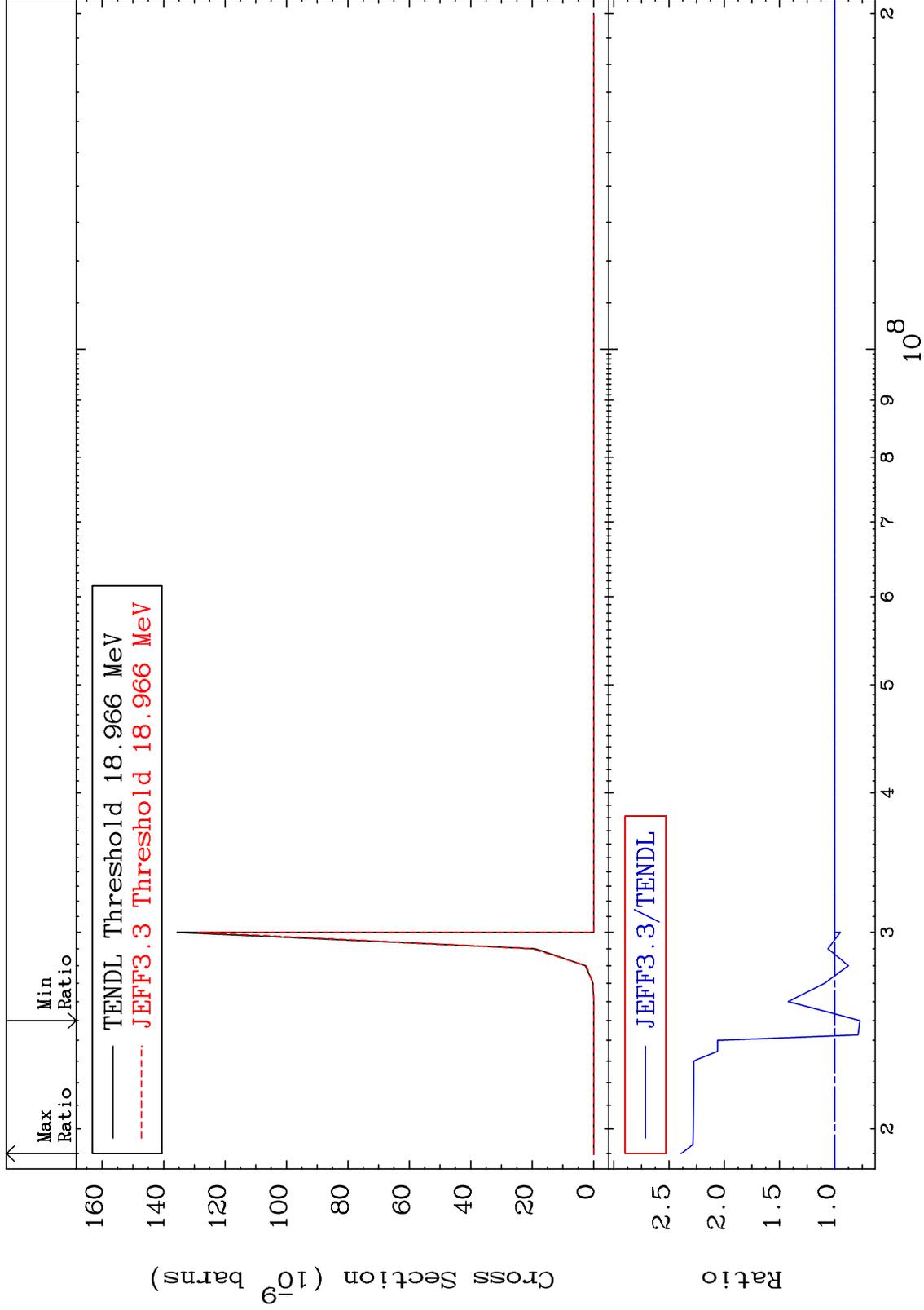


MAT 5255

(n, n') He-3:50-Sn-127m1

52-Te-130

Radionuclide Production Cross Section -22.82 To 139.1 %



82

Incident Energy (eV)

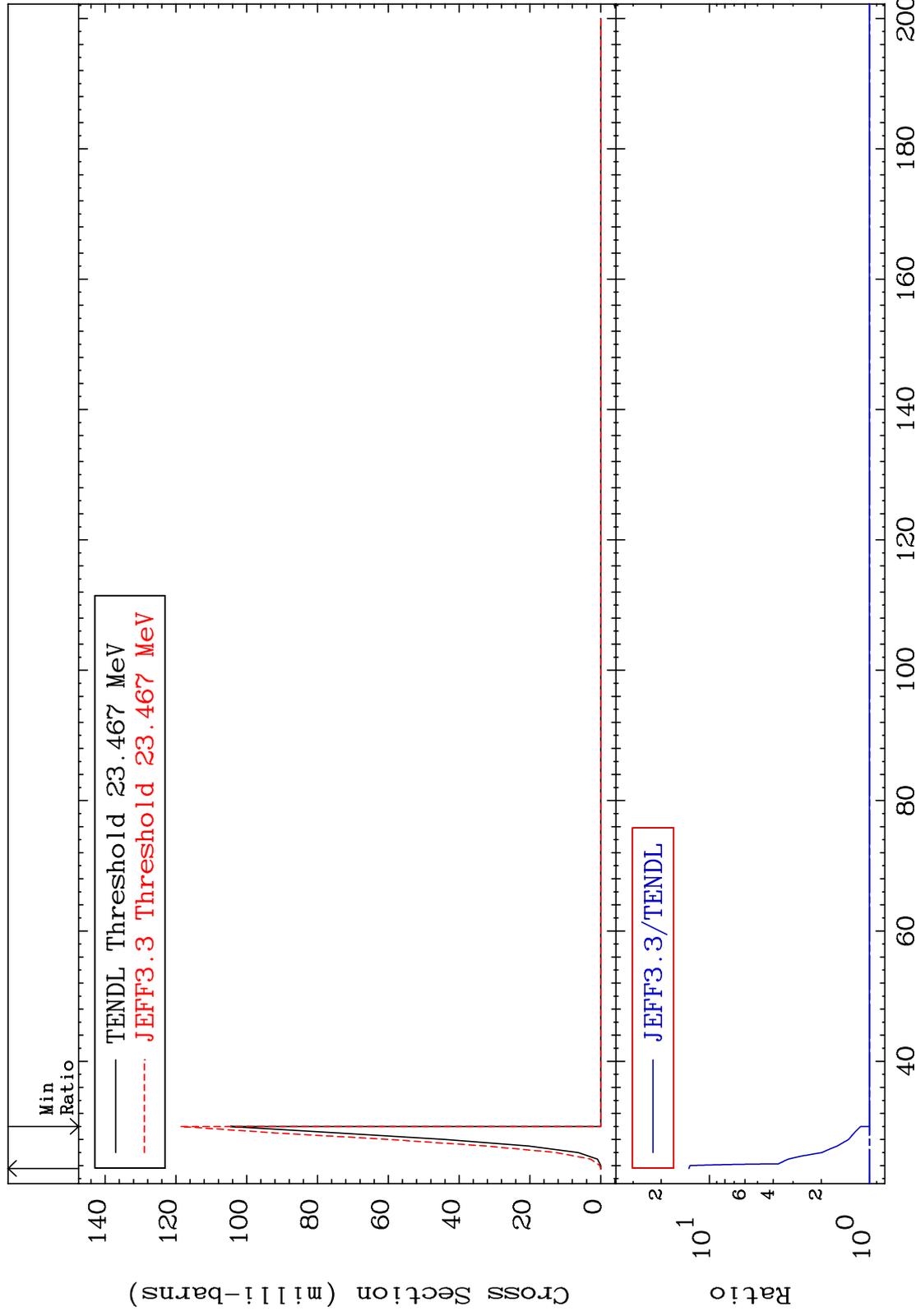
52-Te-130

MAT 5255

(n,4n):52-Te-127g

52-Te-130

Radionuclide Production Cross Section 0.000 To 1241. %

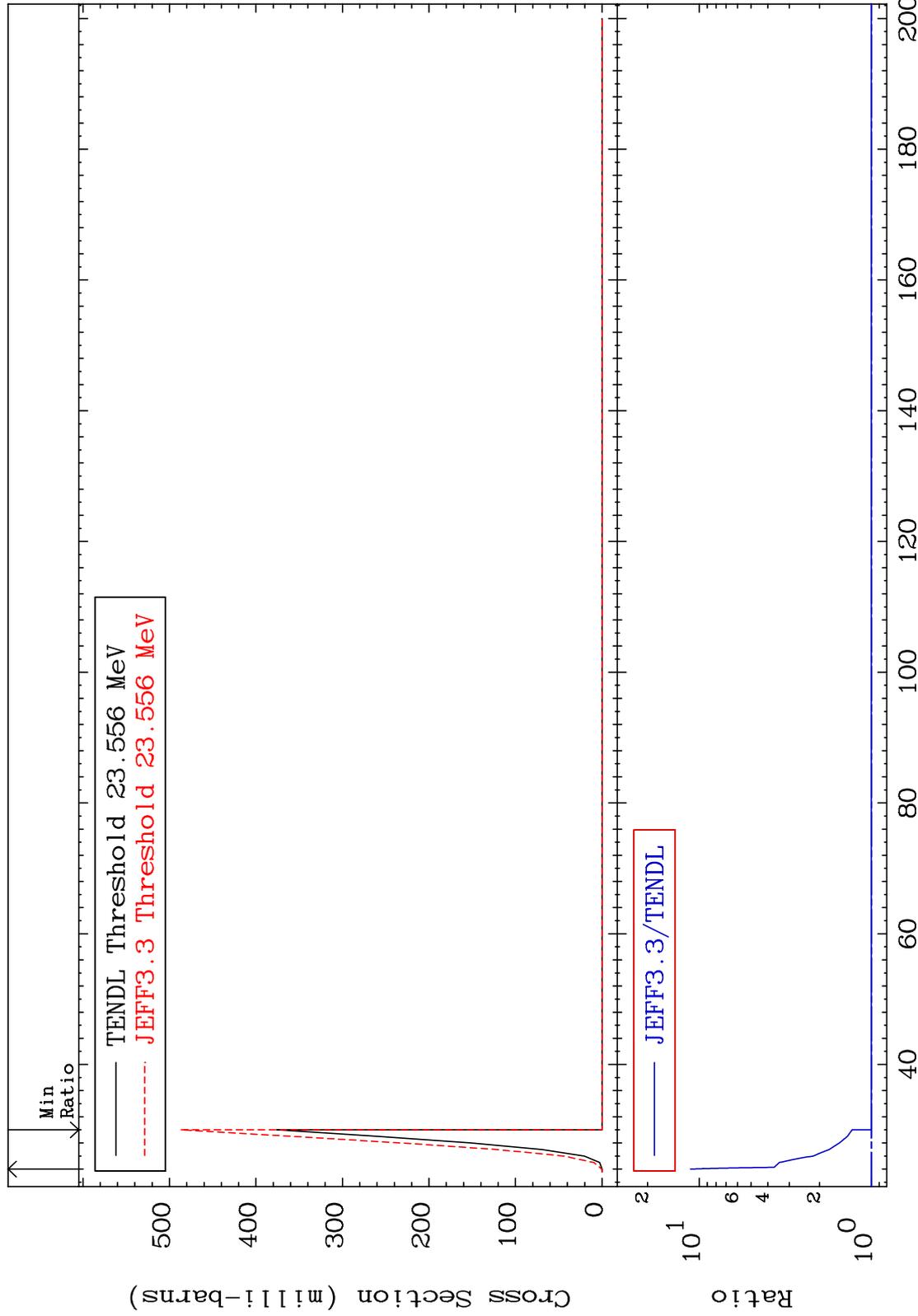


MAT 5255

(n, 4n):52-Te-127m2

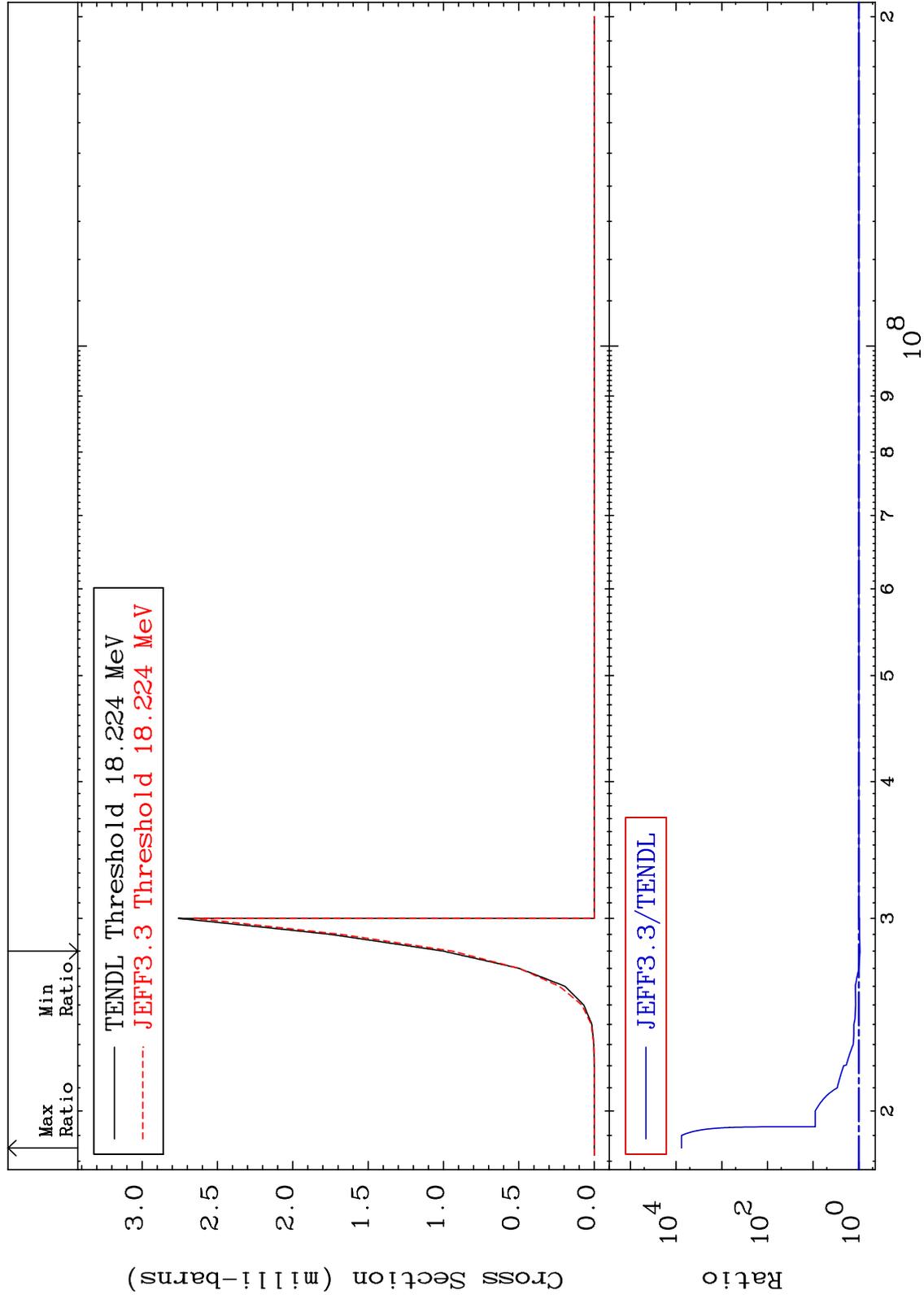
52-Te-130

Radionuclide Production Cross Section 0.000 To 1026. %



MAT 5255

(n,2n) p:51-Sb-128g 52-Te-130
Radionuclide Production Cross Section -5.933 To 9999. %

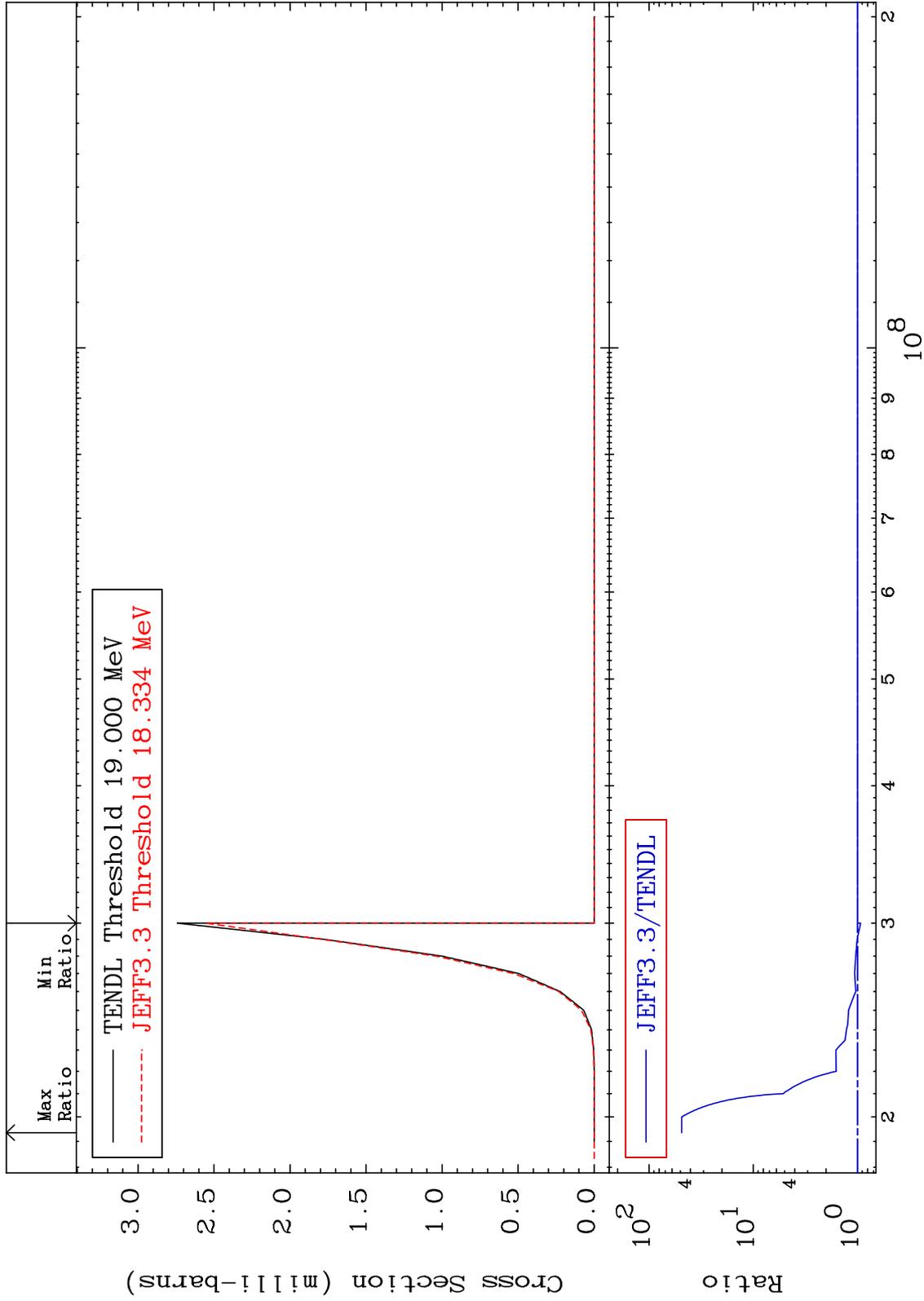


MAT 5255

(n,2n) p:51-Sb-128m1

52-Te-130

Radionuclide Production Cross Section -6.785 To 4755. %

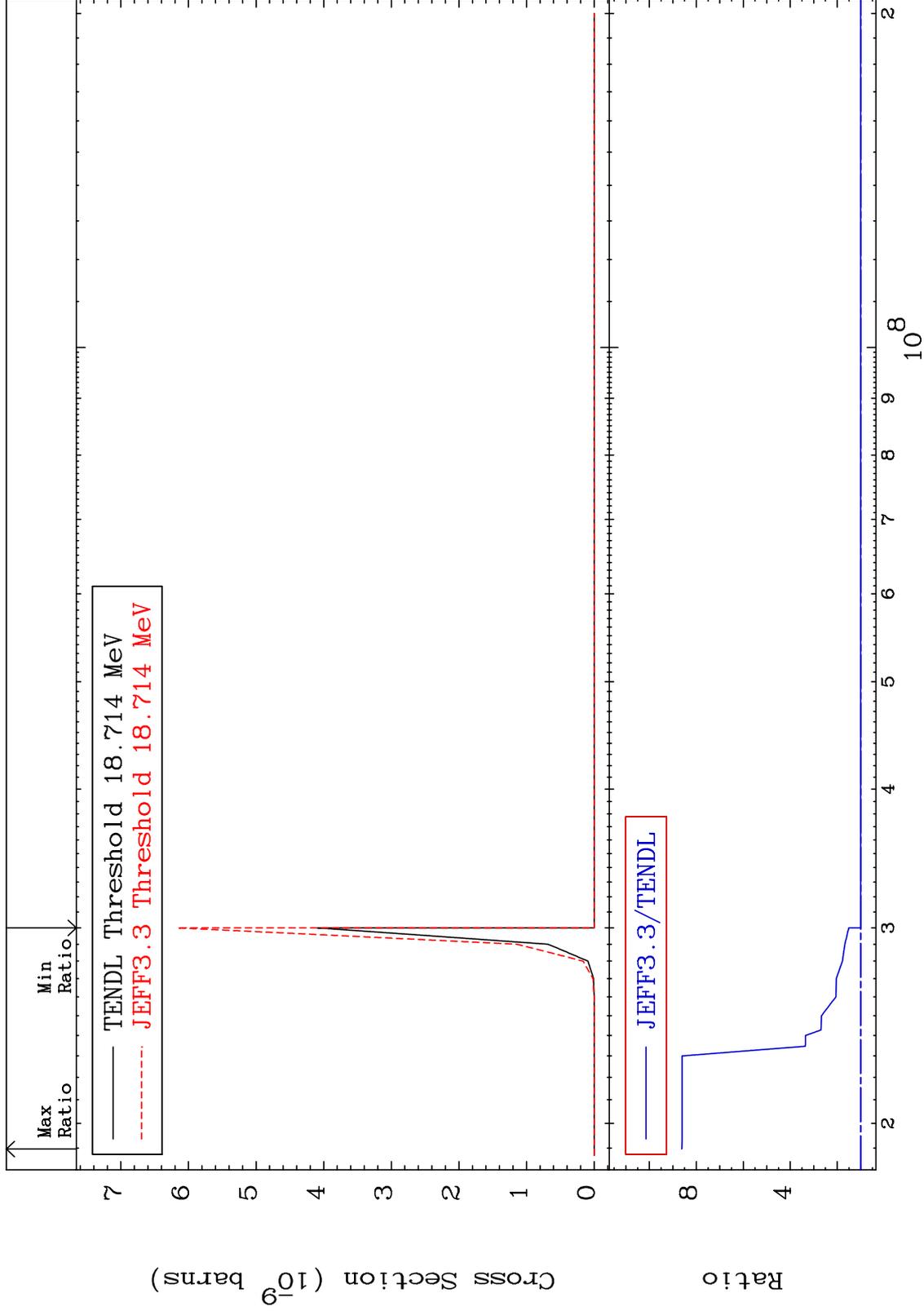


MAT 5255

(n,2n) p:50-Sn-128g

52-Te-130

Radionuclide Production Cross Section 0.000 To 762.1 %

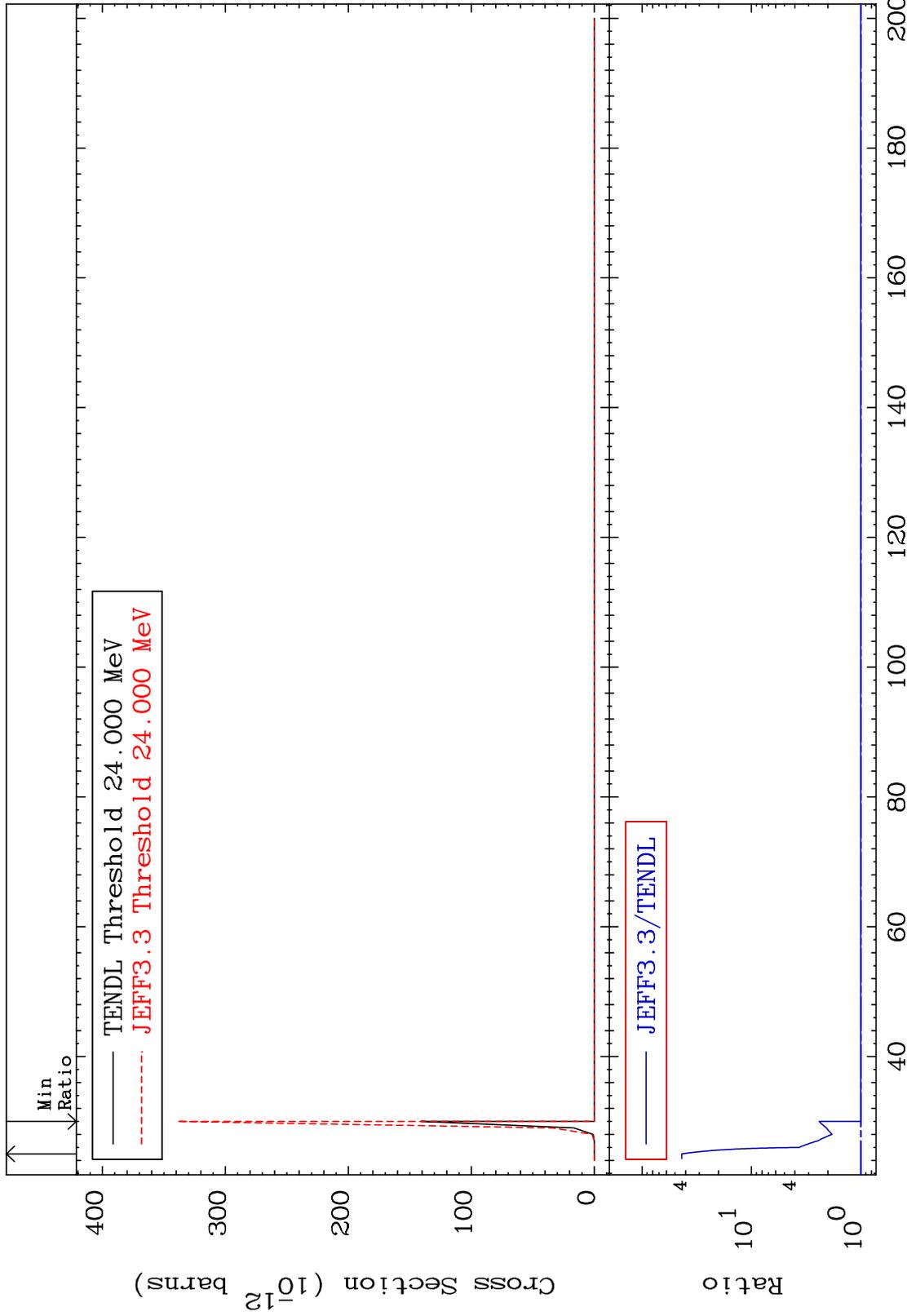


MAT 5255

(n,2n) p:50-Sn-128m3

52-Te-130

Radionuclide Production Cross Section 0.000 To 4230. %

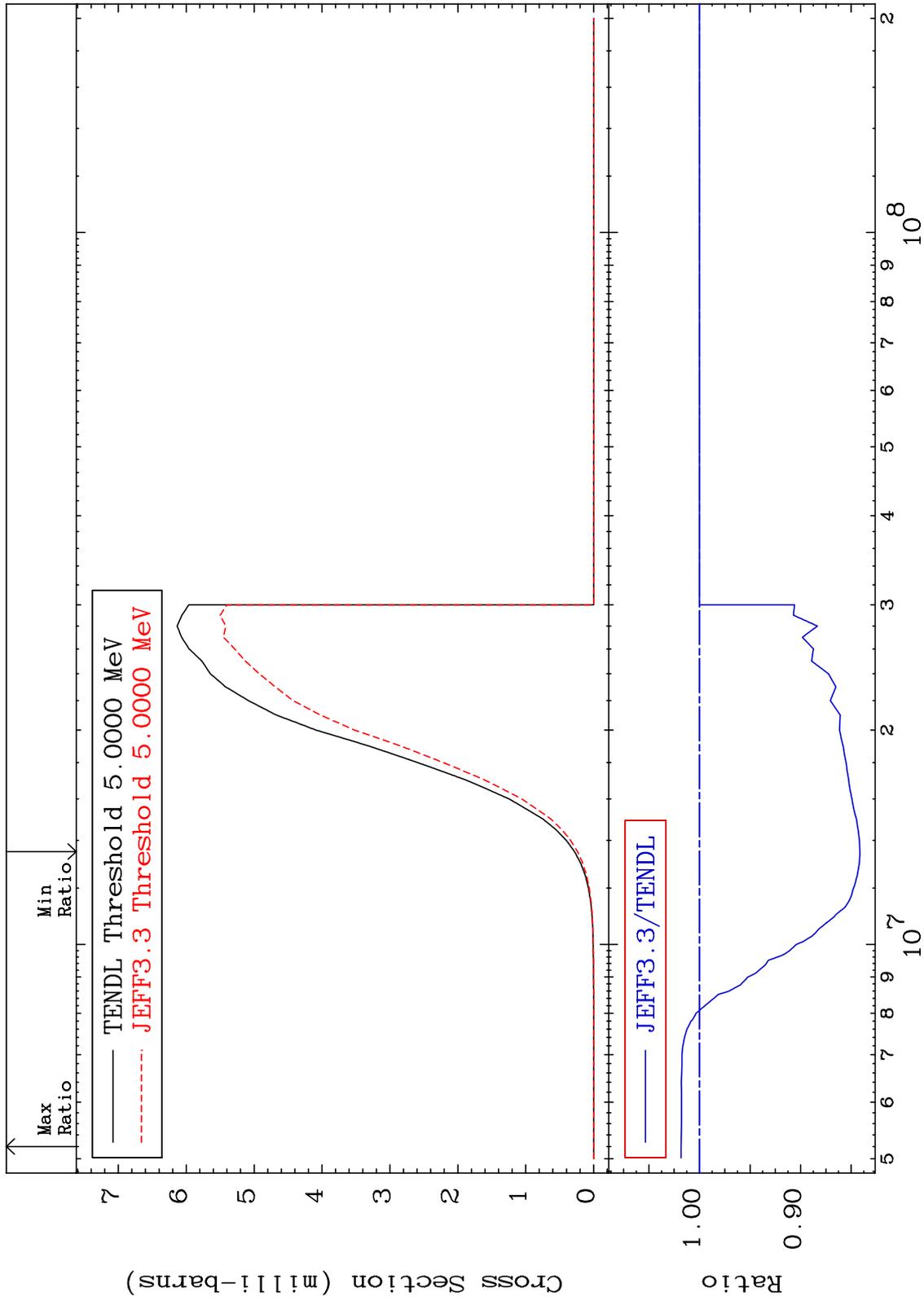


MAT 5255

(n,p):51-Sb-130g

52-Te-130

Radionuclide Production Cross Section -15.86 To 1.812 %

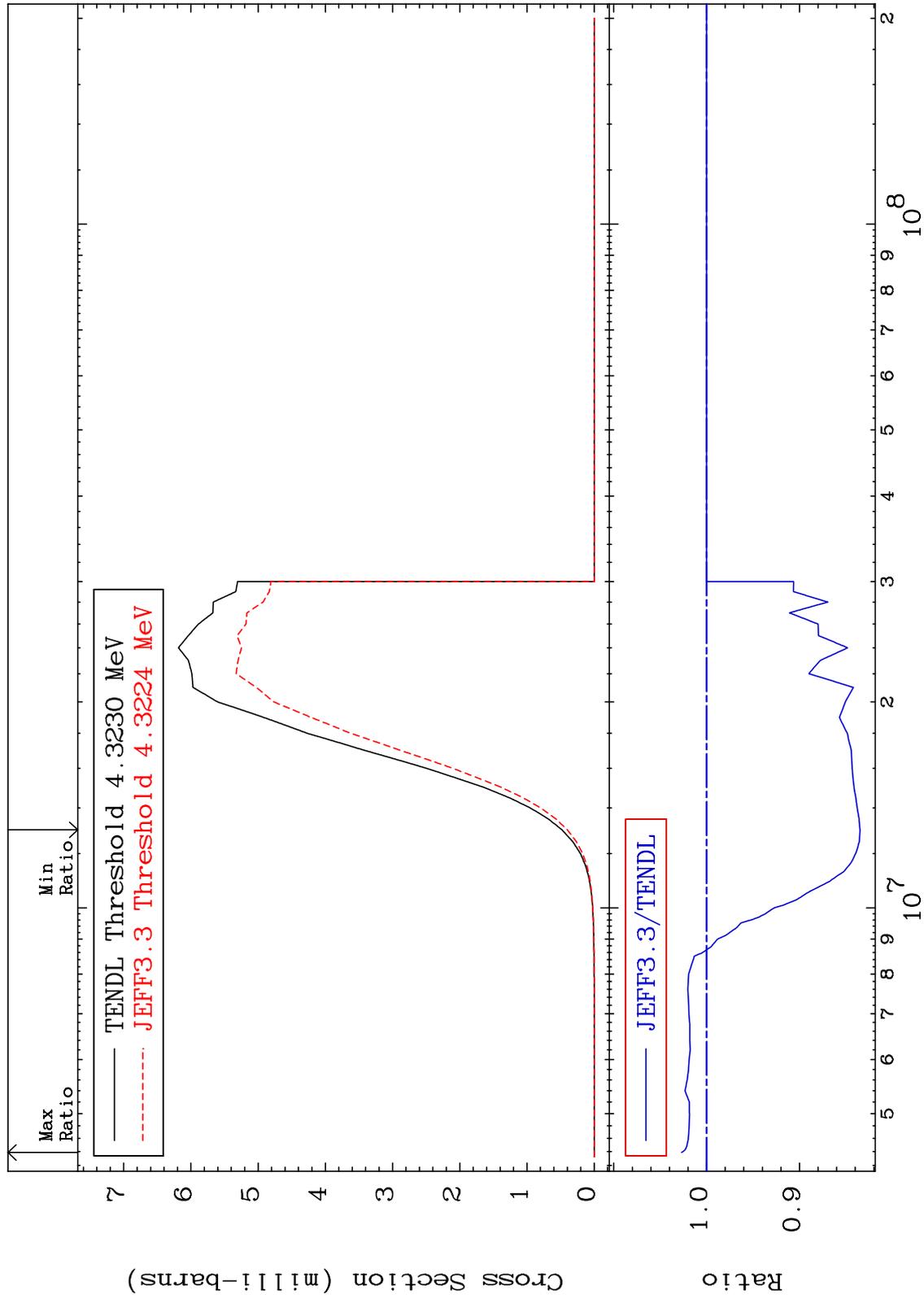


MAT 5255

(n, p):51-Sb-130m1

52-Te-130

Radionuclide Production Cross Section -16.51 To 2.698 %

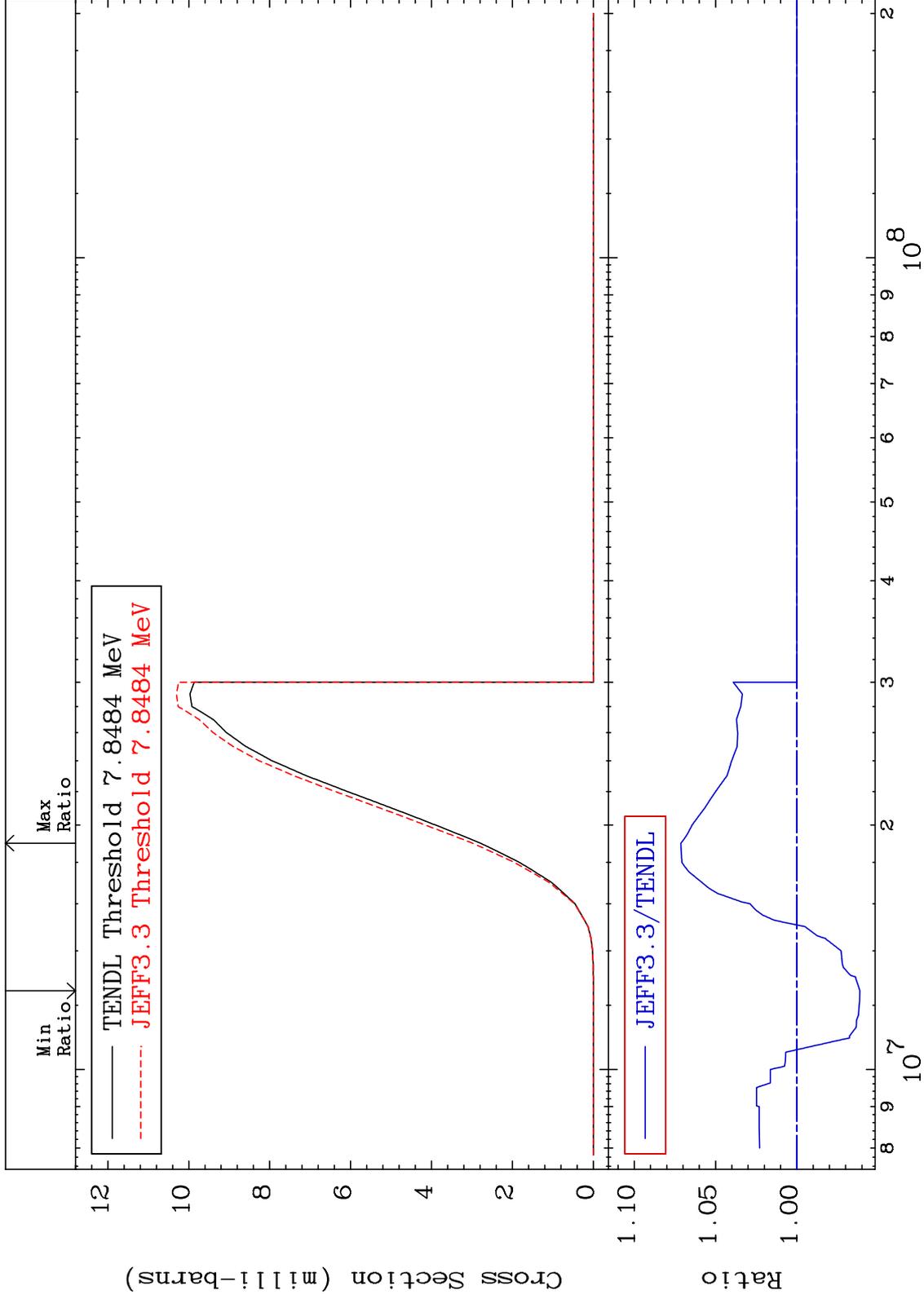


MAT 5255

(n,d):51-Sb-129g

52-Te-130

Radionuclide Production Cross Section -3.875 To 7.128 %



91

Incident Energy (eV)

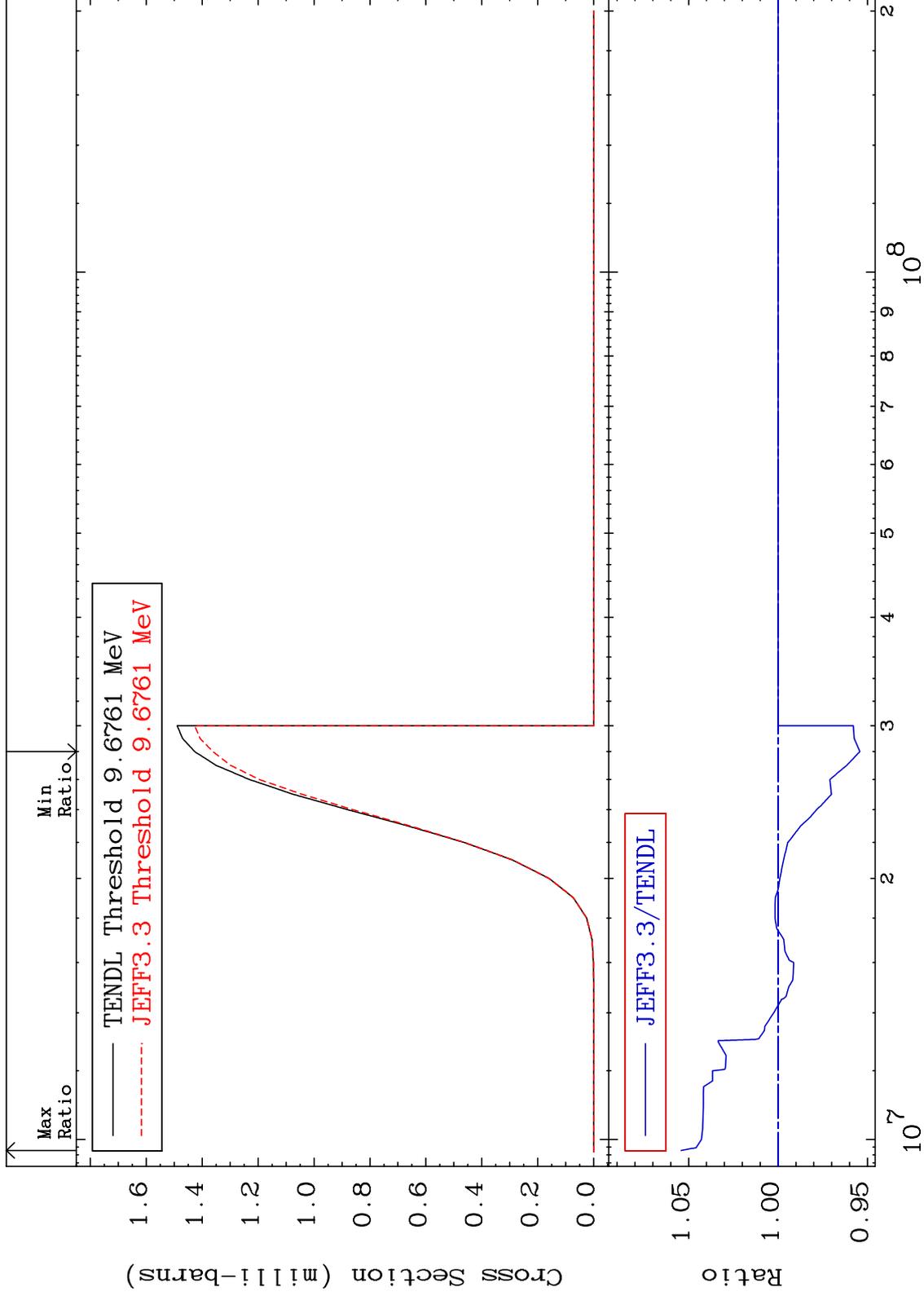
52-Te-130

MAT 5255

(n, t):51-Sb-128g

52-Te-130

Radionuclide Production Cross Section -4.575 To 5.419 %



Incident Energy (eV)

52-Te-130

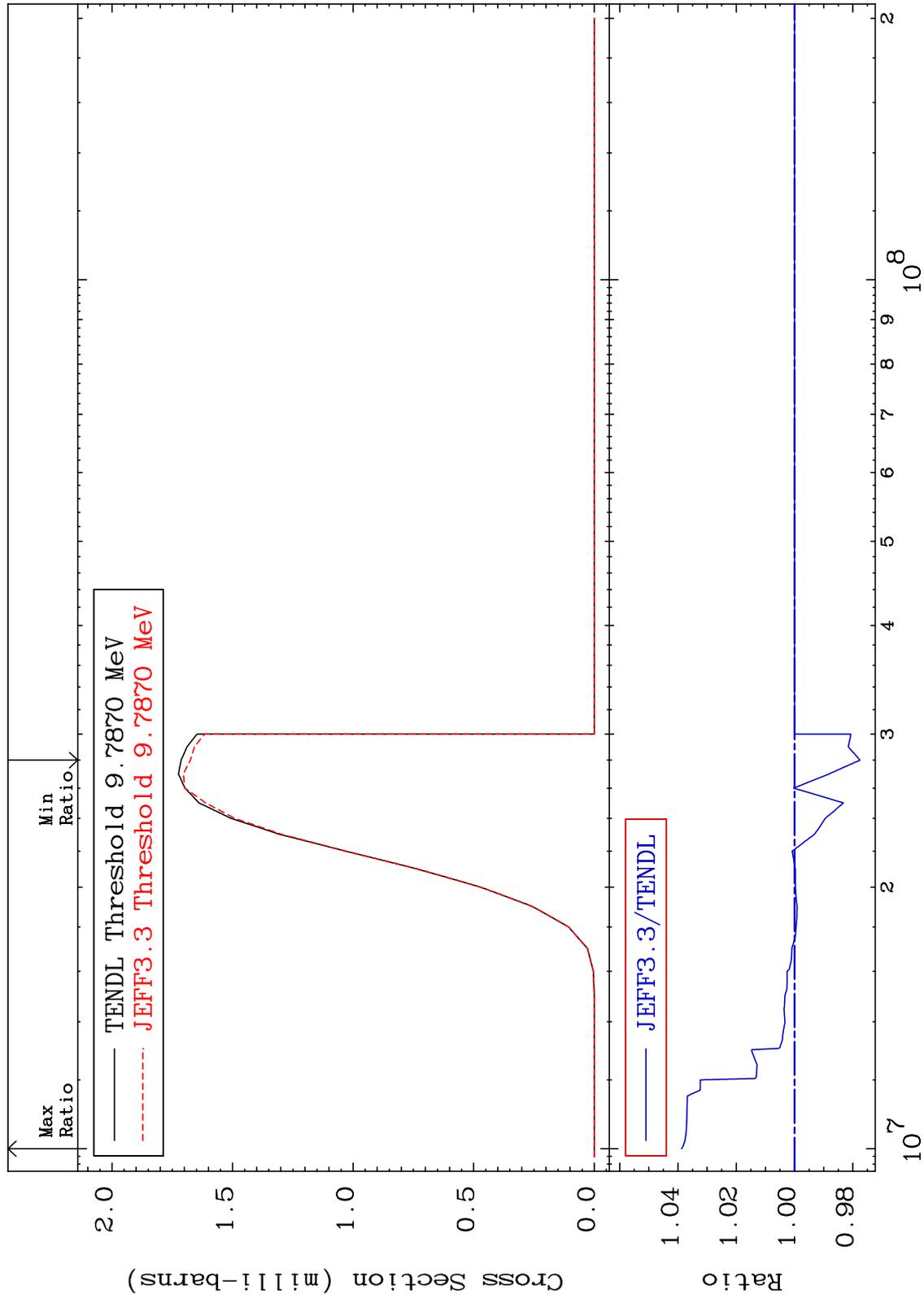
92

MAT 5255

(n, t):51-Sb-128m1

52-Te-130

Radionuclide Production Cross Section -2.246 To 3.876 %



93

Incident Energy (eV)

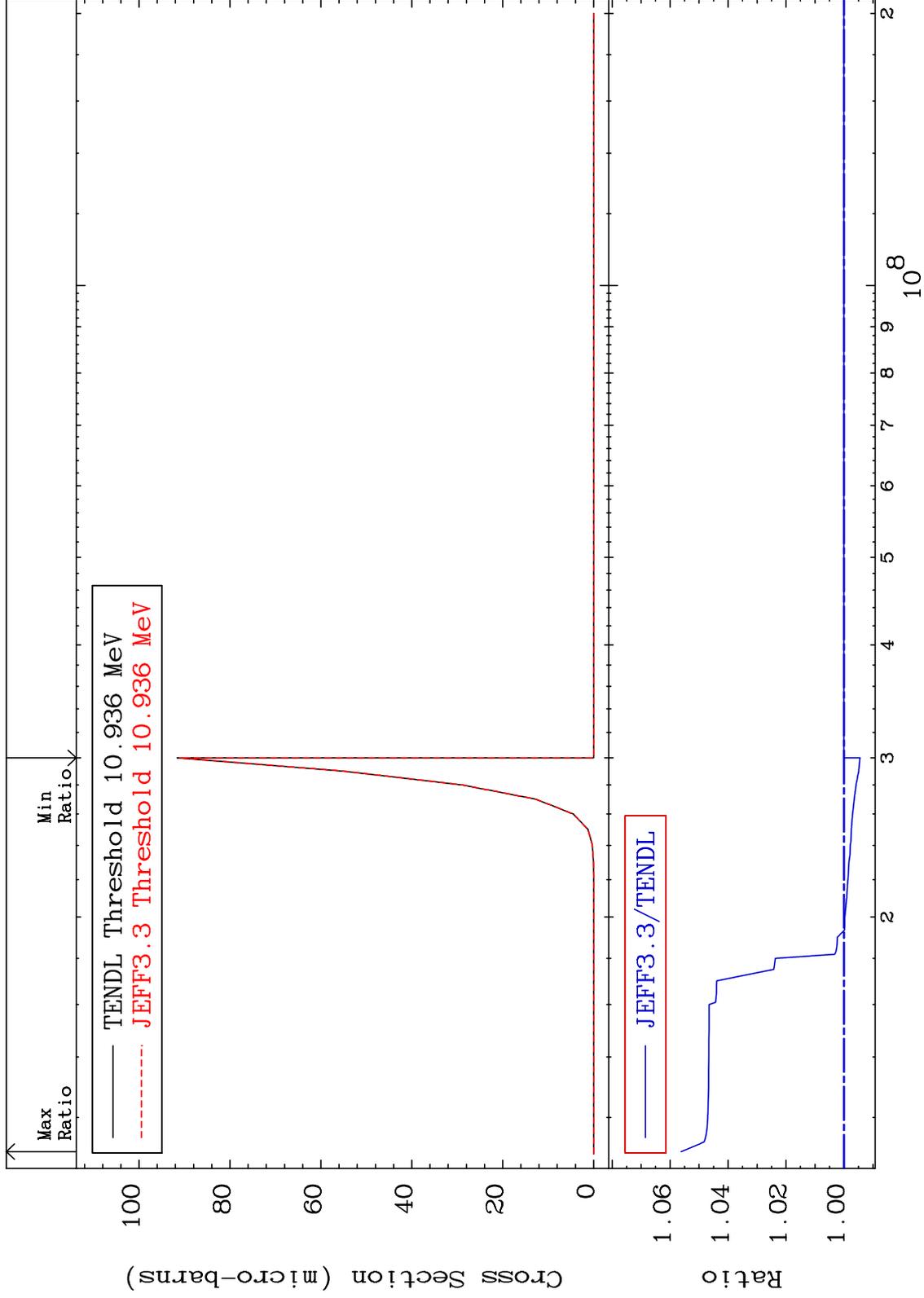
52-Te-130

MAT 5255

(n,He-3):50-Sn-128g

52-Te-130

Radionuclide Production Cross Section -0.549 To 5.619 %

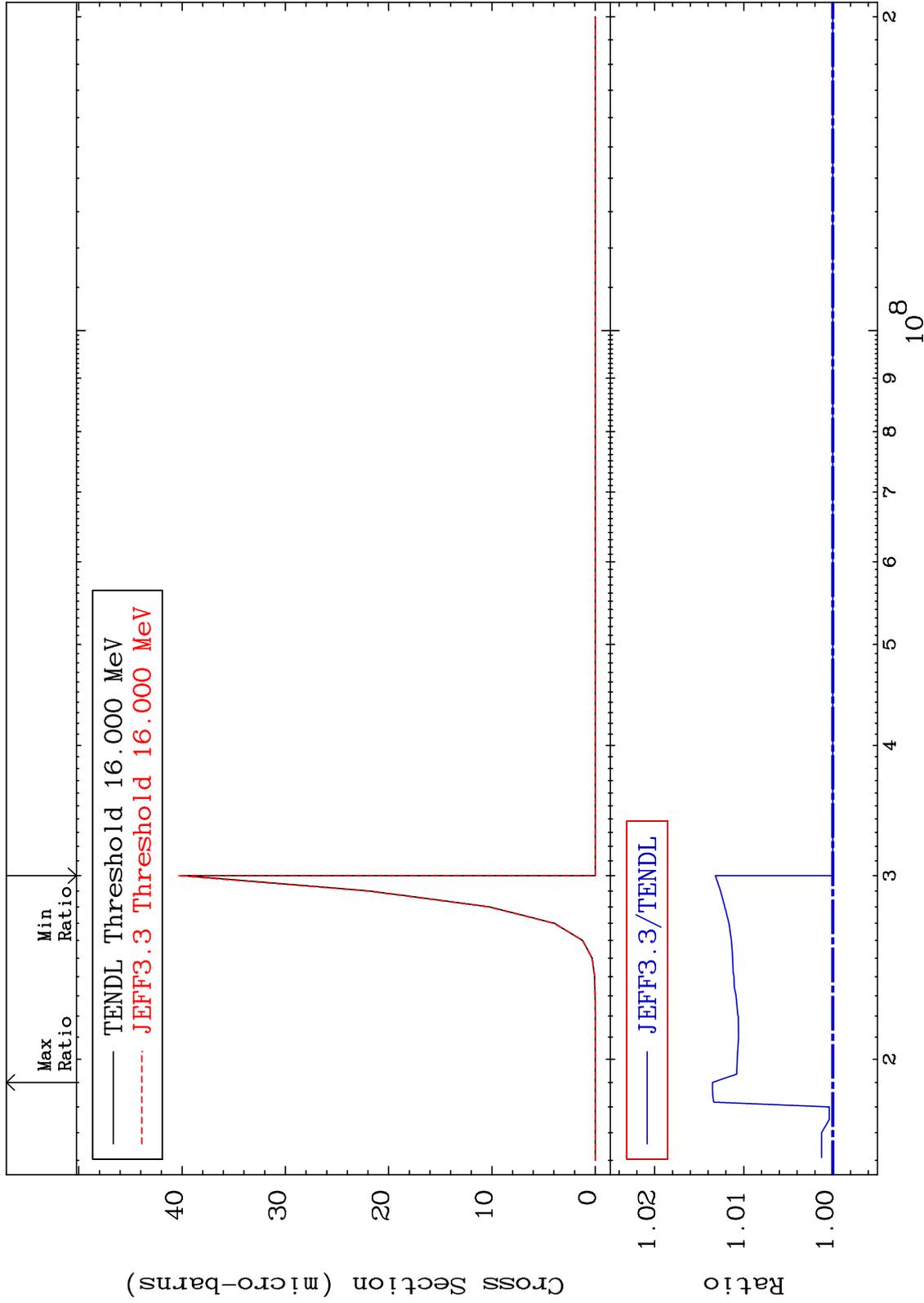


MAT 5255

(n, He-3) : 50-Sn-128m3

52-Te-130

Radionuclide Production Cross Section 0.000 To 1.352 %



95

Incident Energy (eV)

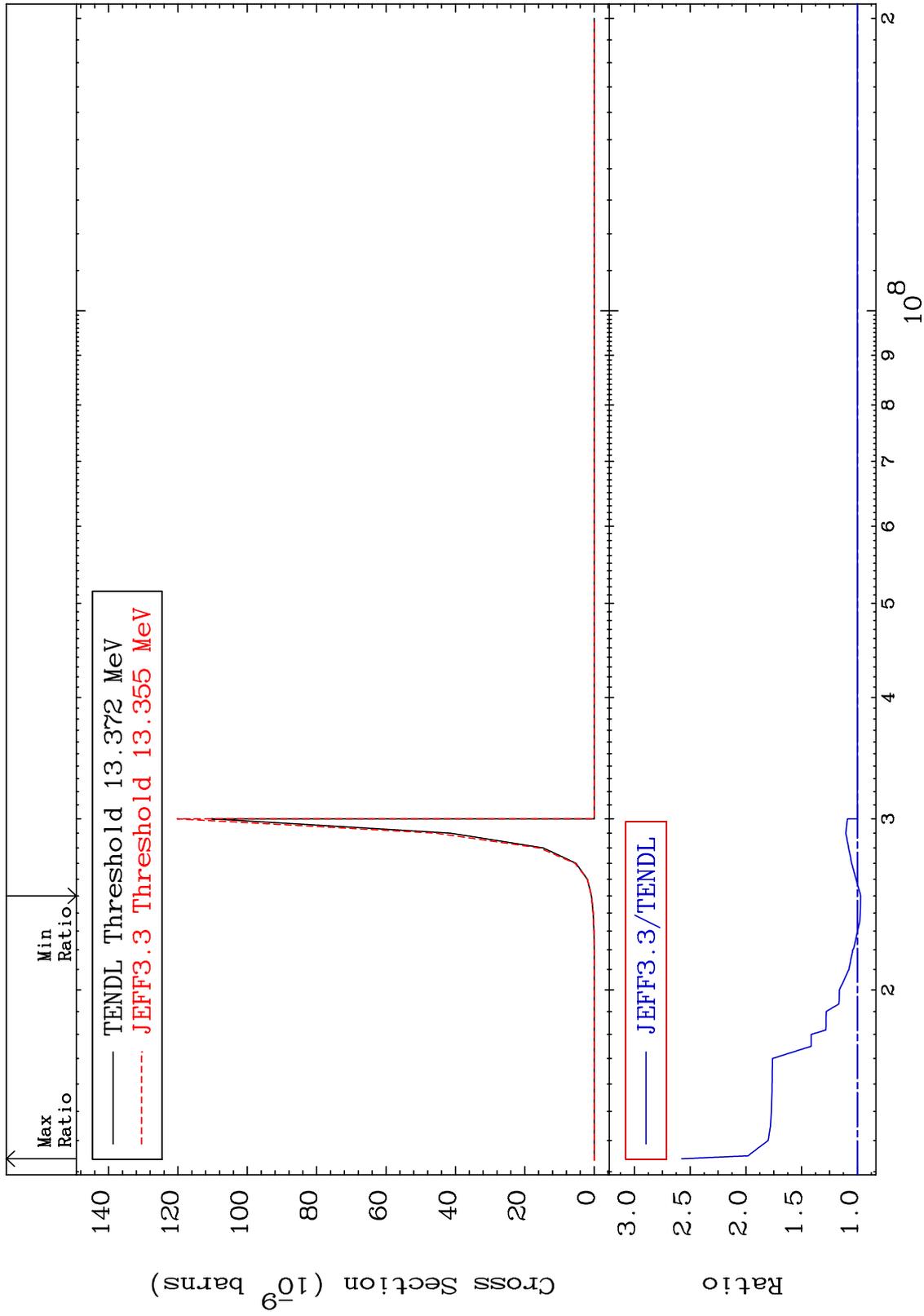
52-Te-130

MAT 5255

(n,2p):50-Sn-129g

52-Te-130

Radionuclide Production Cross Section -3.012 To 157.6 %

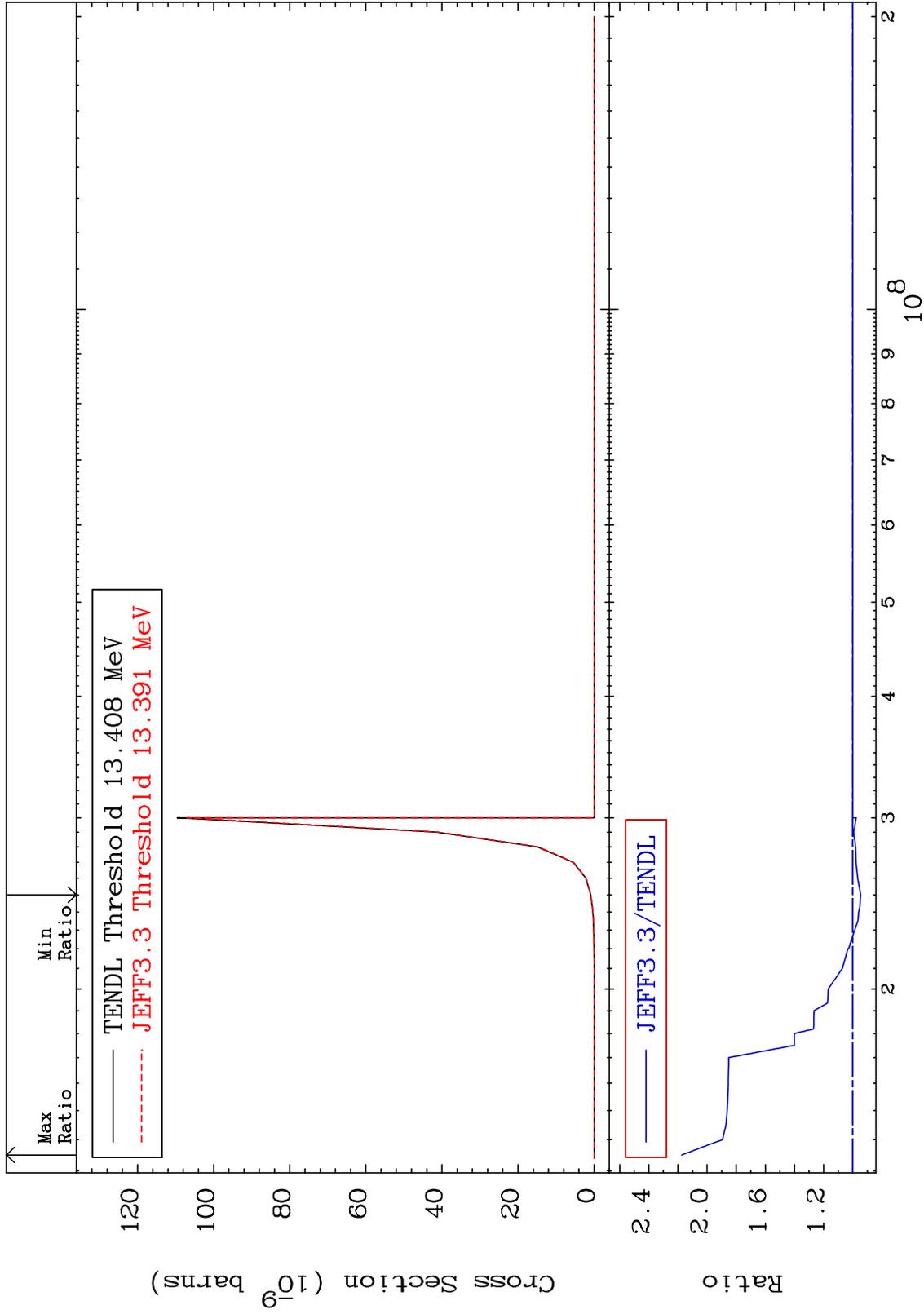


MAT 5255

(n,2p):50-Sn-129m1

52-Te-130

Radionuclide Production Cross Section -5.419 To 117.4 %

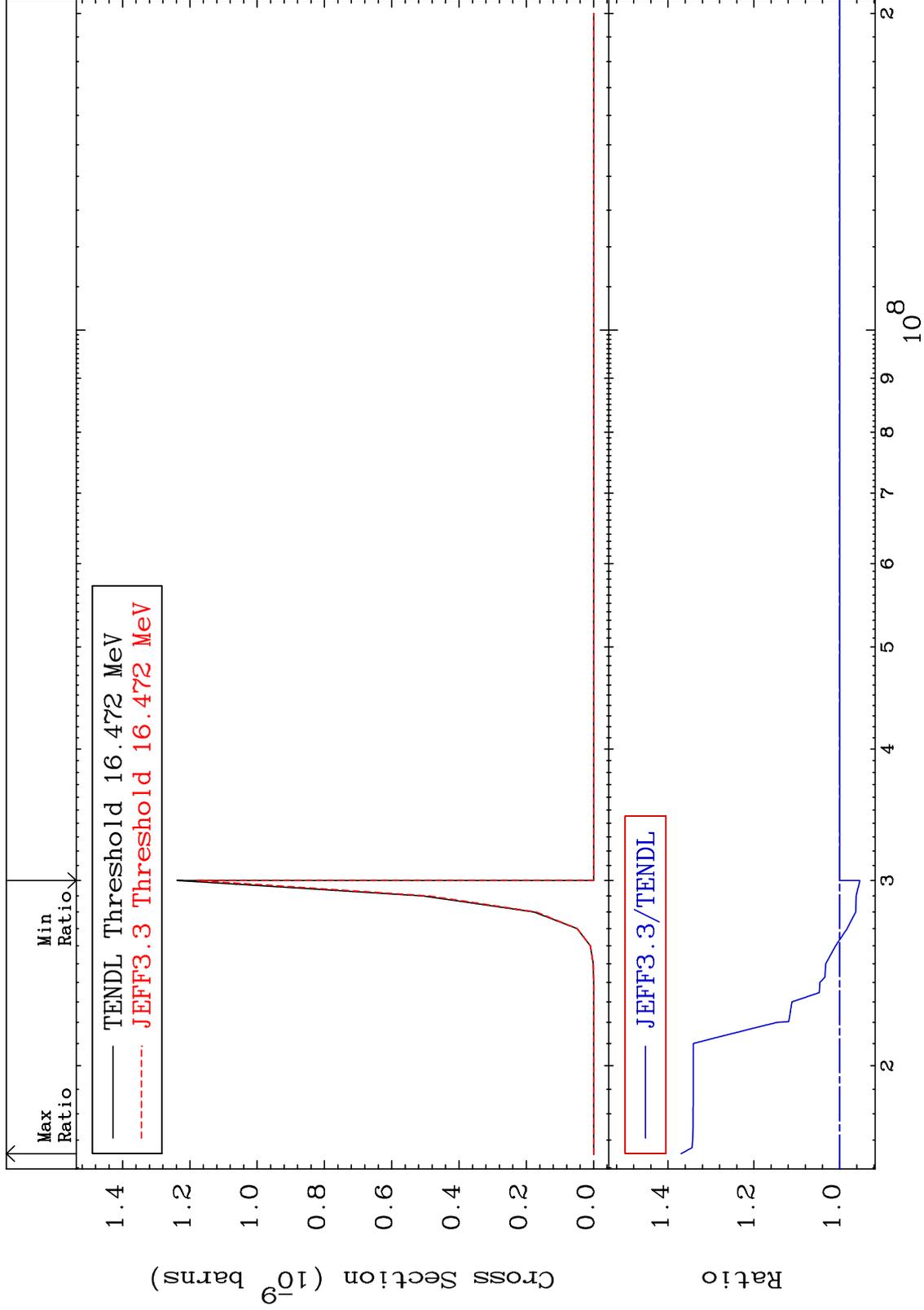


MAT 5255

(n, p) d:50-Sn-128g

52-Te-130

Radionuclide Production Cross Section -4.701 To 36.95 %



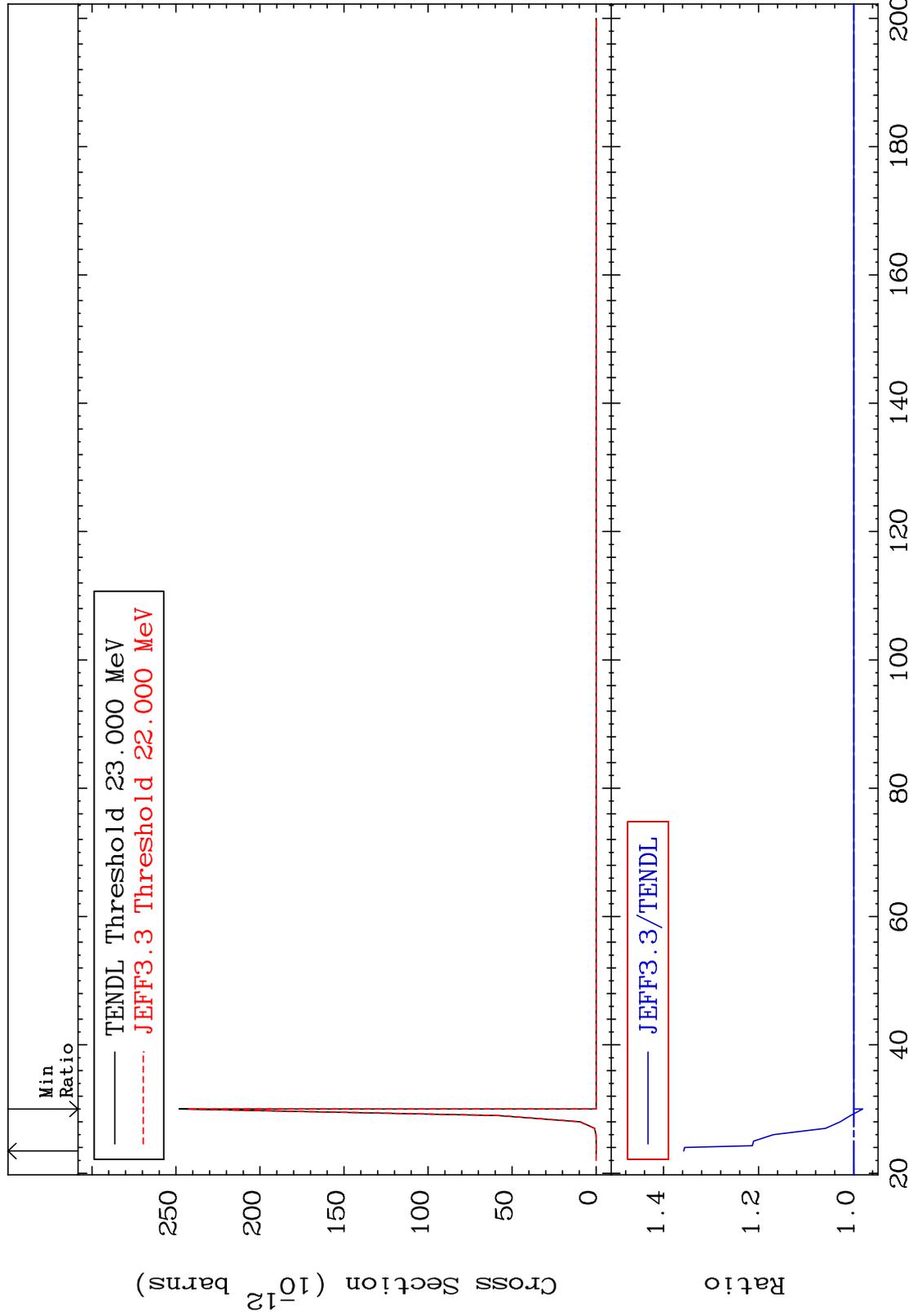
MAT 5255

(n, p) d:50-Sn-128m3

52-Te-130

Radionuclide Production Cross Section

-1.918 To 35.76 %



99

Incident Energy (MeV)

52-Te-130