

Program Complot
(Version 2018-1)

by

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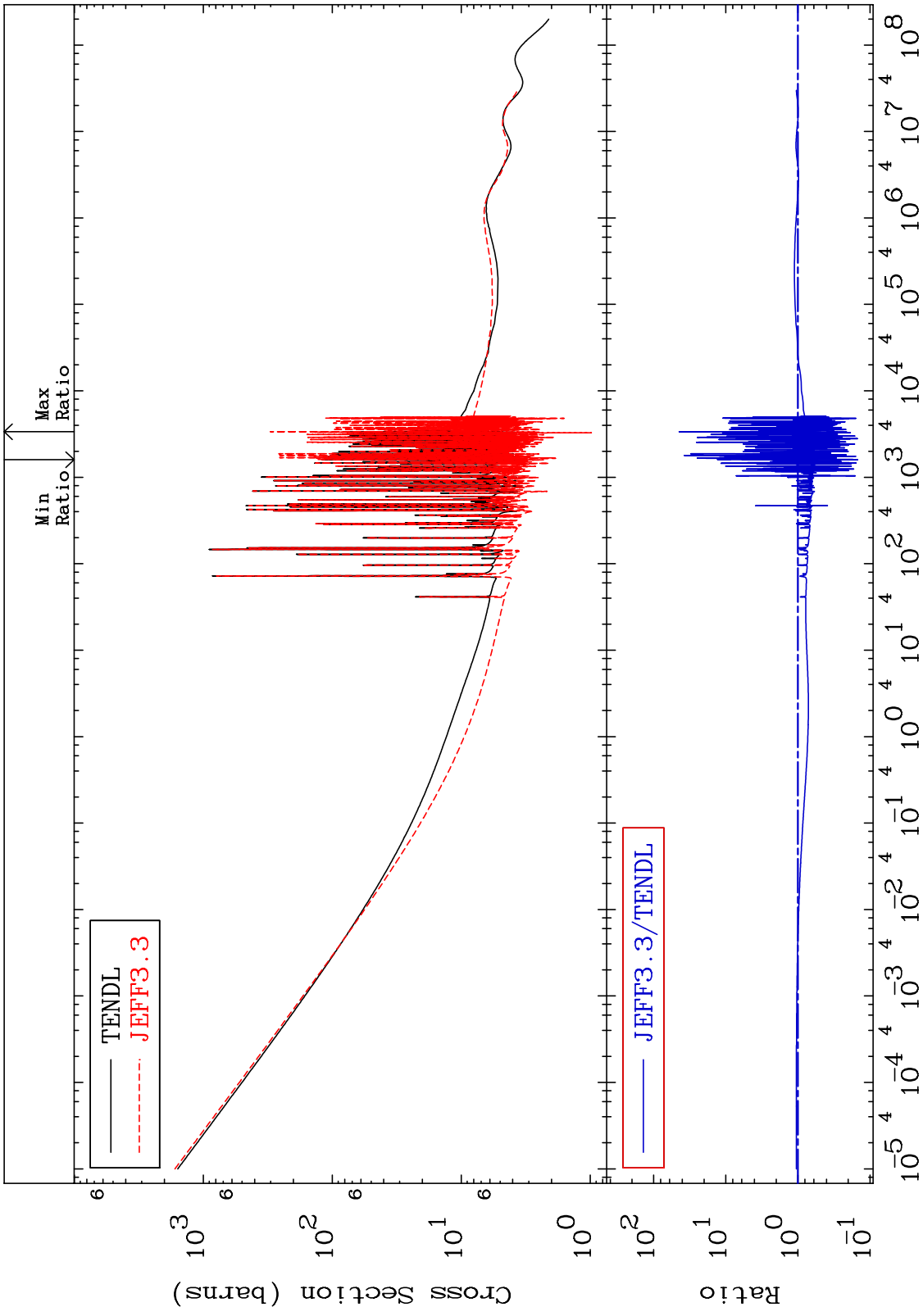
U.S.A.

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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5331 53-I -129
Total Cross Section -85.28 To 4344. %

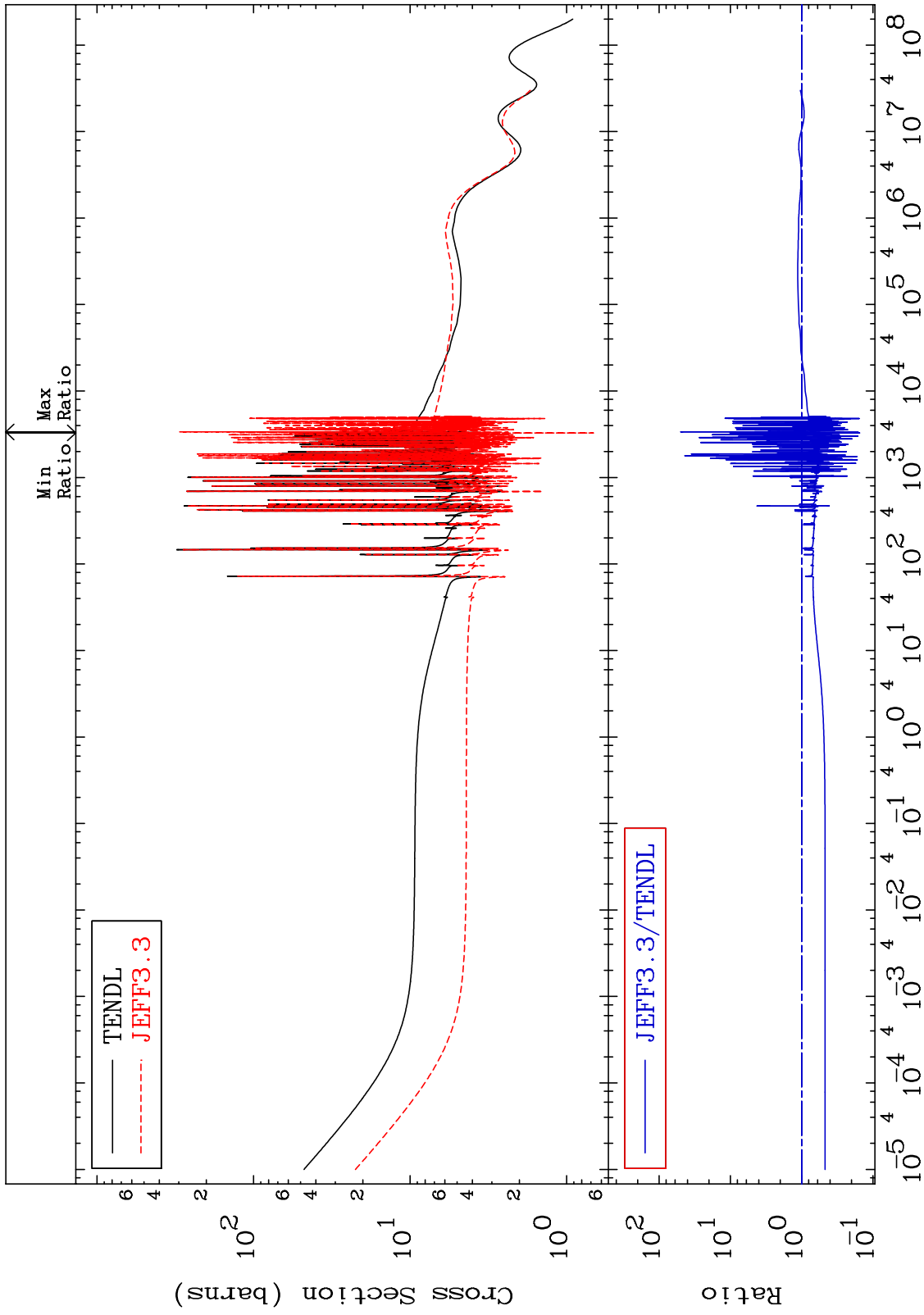


Incident Energy (eV) 53-I -129

MAT 5331

Elastic
Cross Section

53-I -129
-84.62 To 4870. %

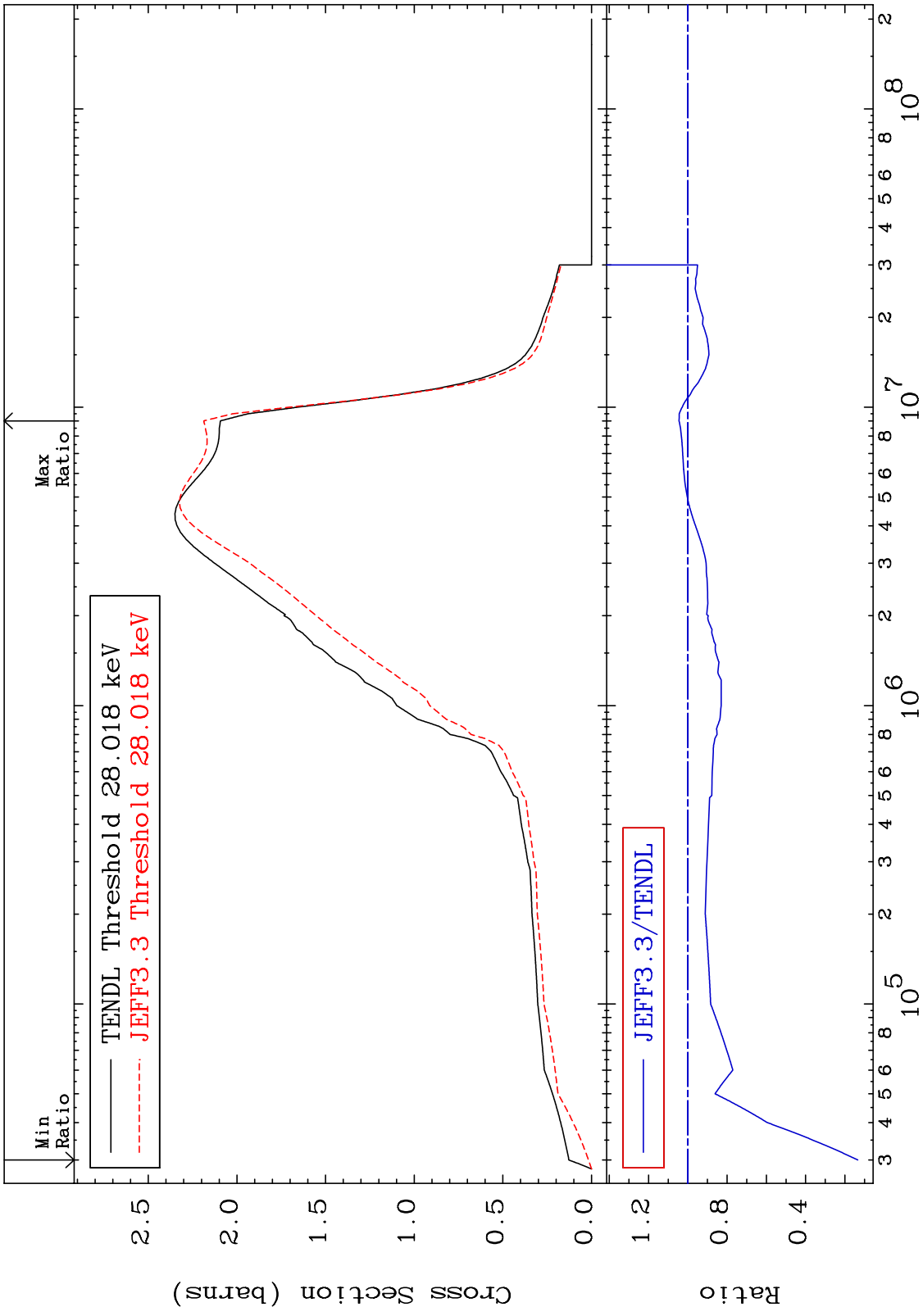


2

Incident Energy (eV)

53-I -129

MAT 5331 Inelastic Cross Section 53-I -129
 -86.60 To 4.472 %



3 53-I -129

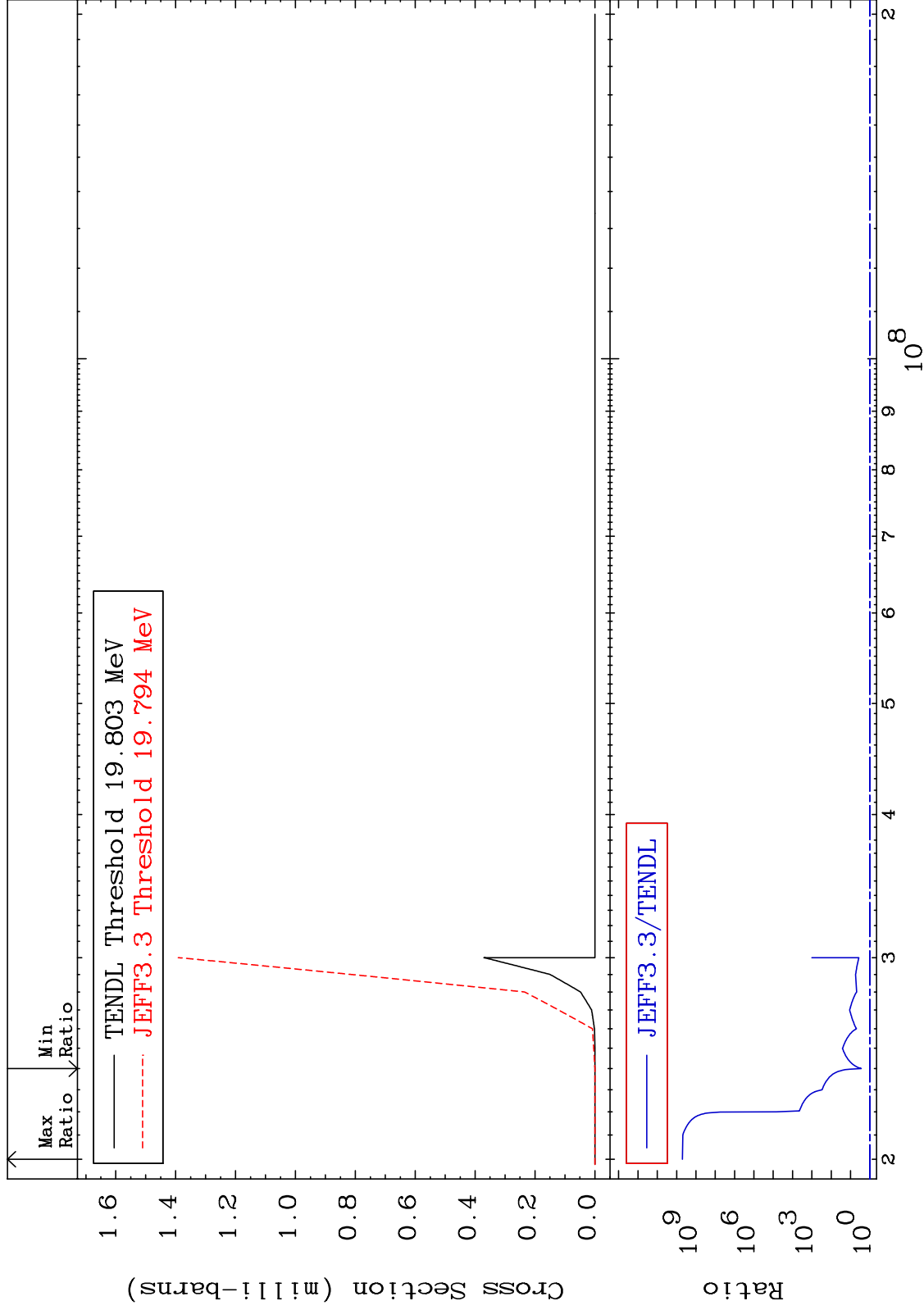
MAT 5331

(n,2n) d

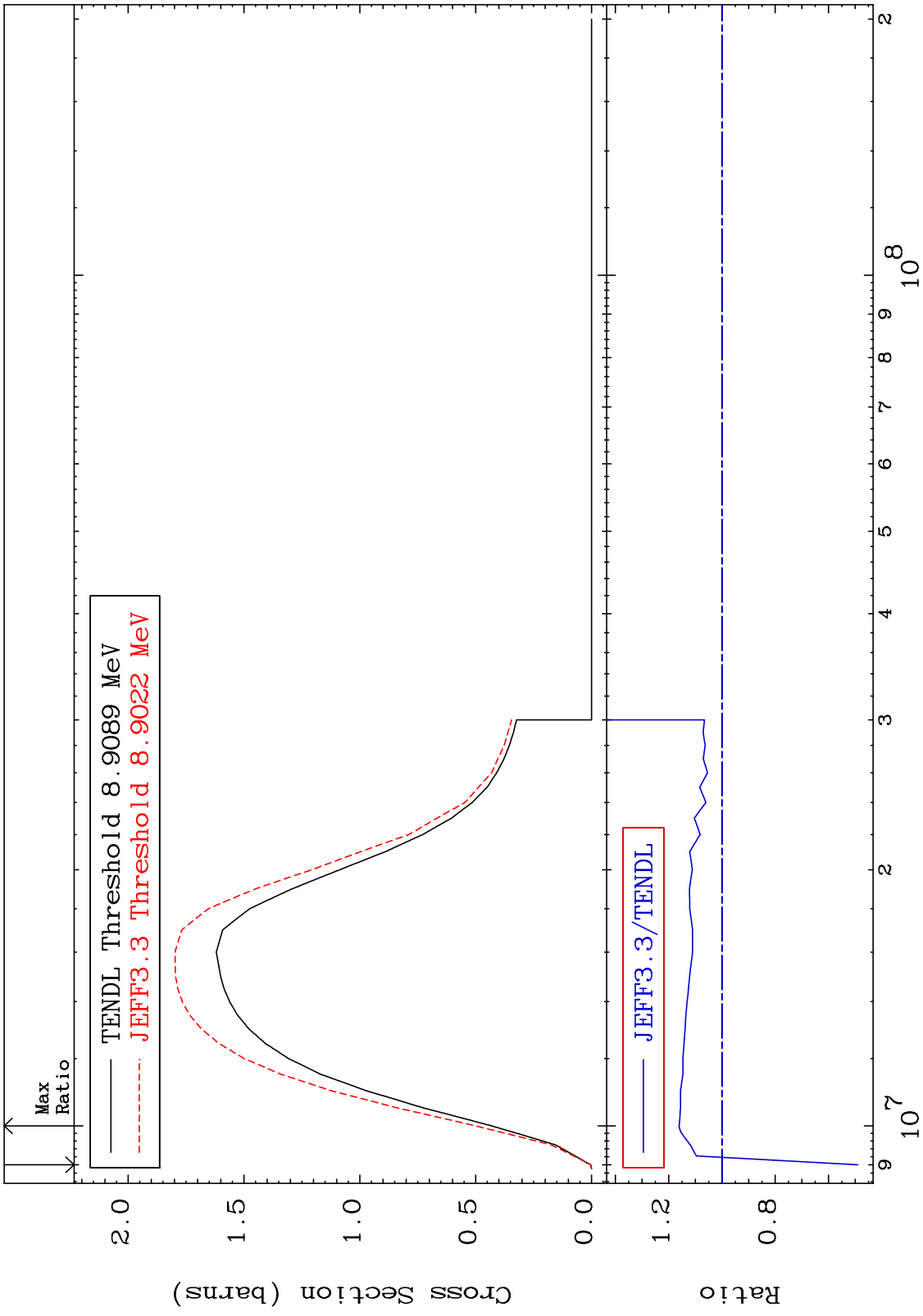
53-I -129

Cross Section

177.2 To 9999. %



MAT 5331 (n,2n) Cross Section 53-I -129 -50.98 To 16.10 %



53-I -129

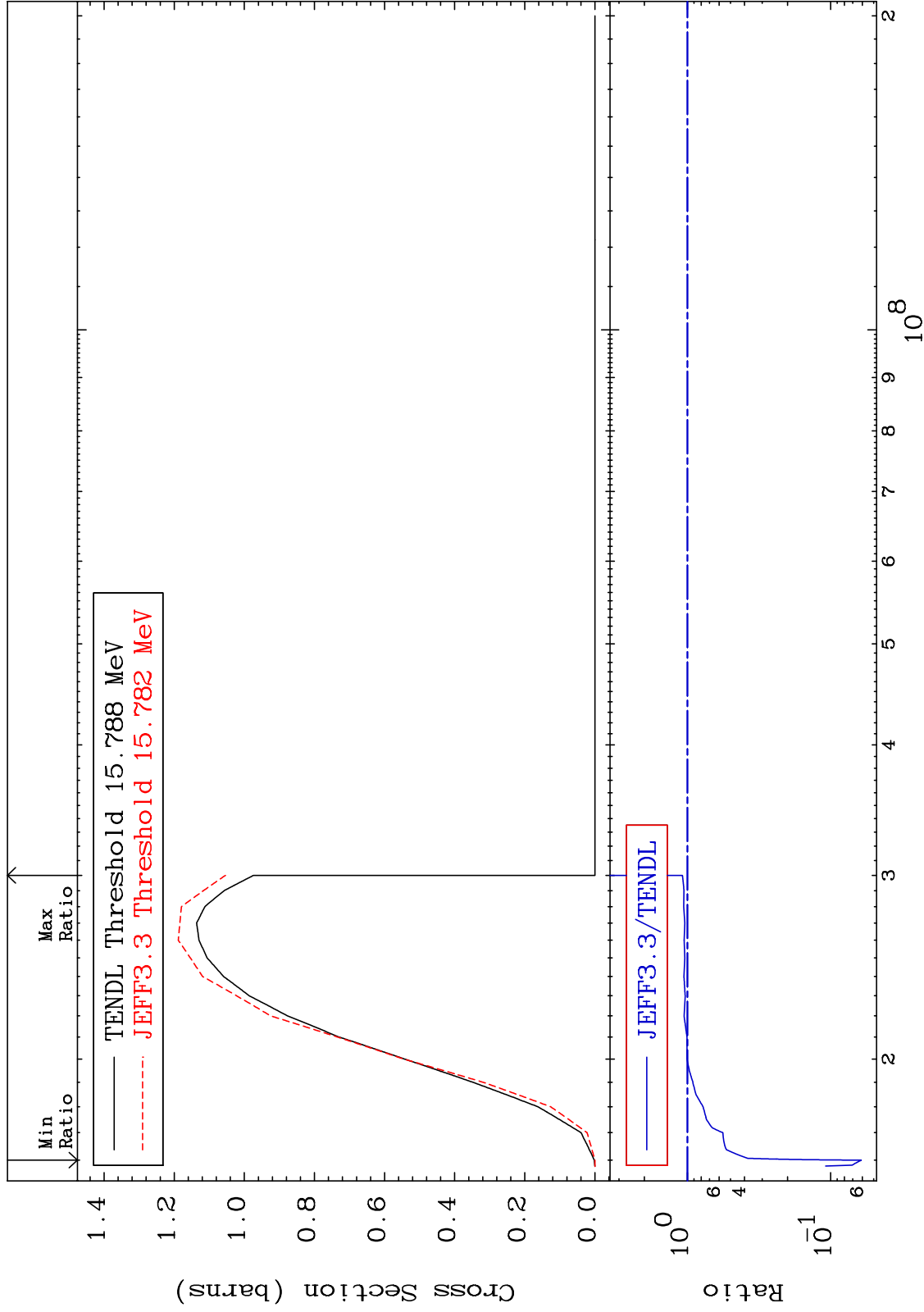
MAT 5331

(n,3n)

53-I -129

Cross Section

-93.89 To 8.218 %

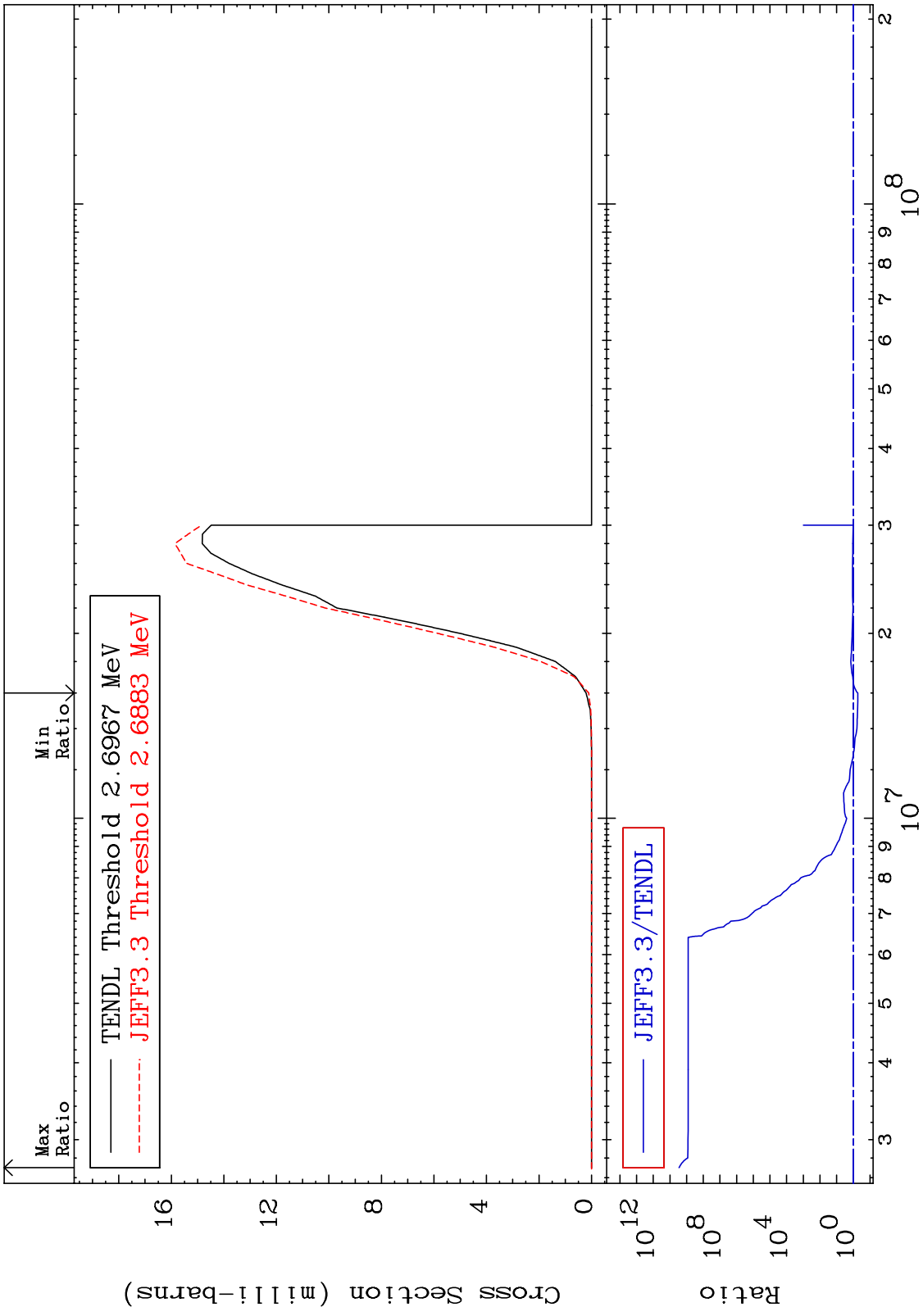


6

Incident Energy (eV)

53-I -129

MAT 5331 $(n, n') \alpha$ 53-I -129
 Cross Section -46.40 To 9999. %



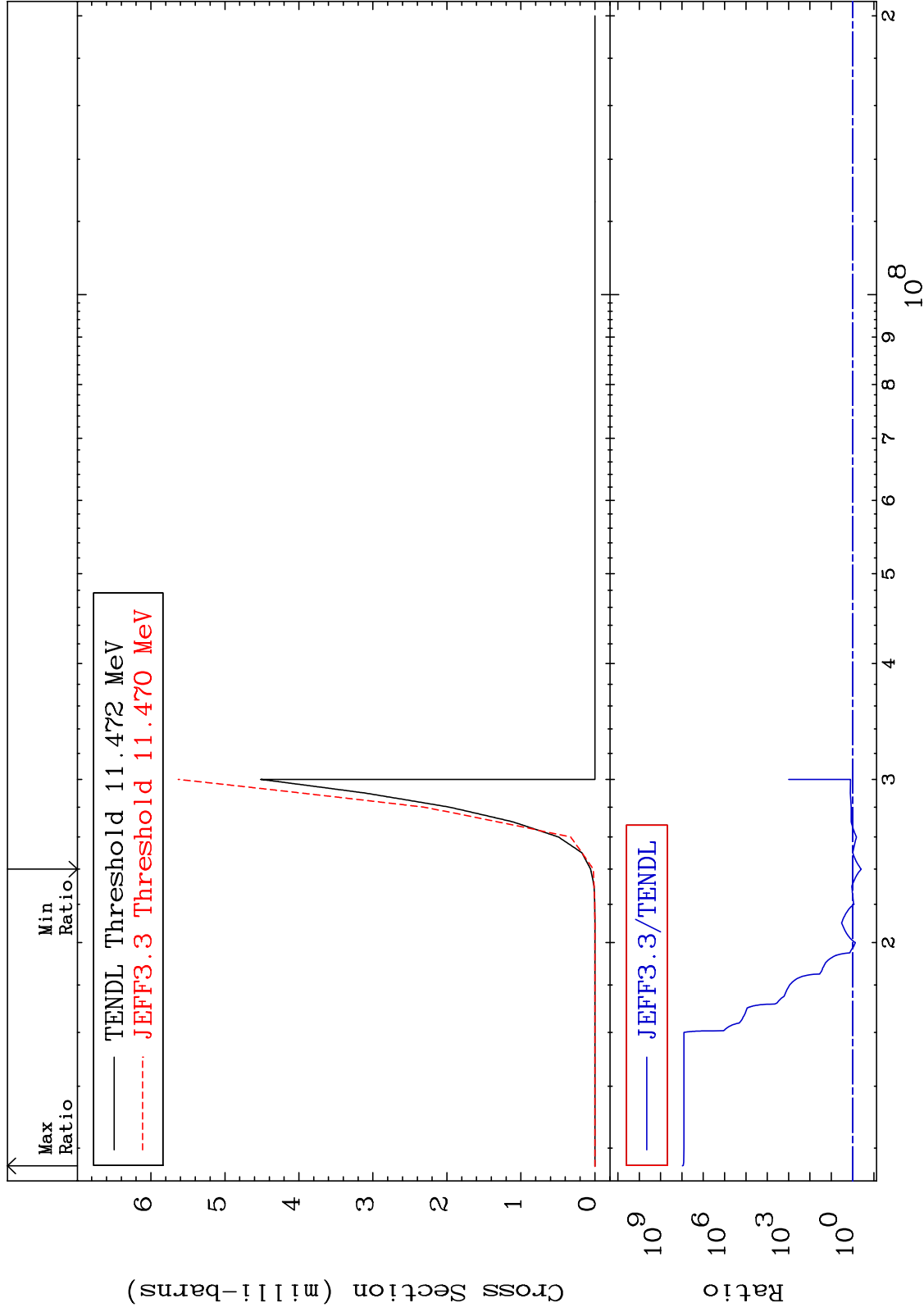
MAT 5331

(n,2n) α

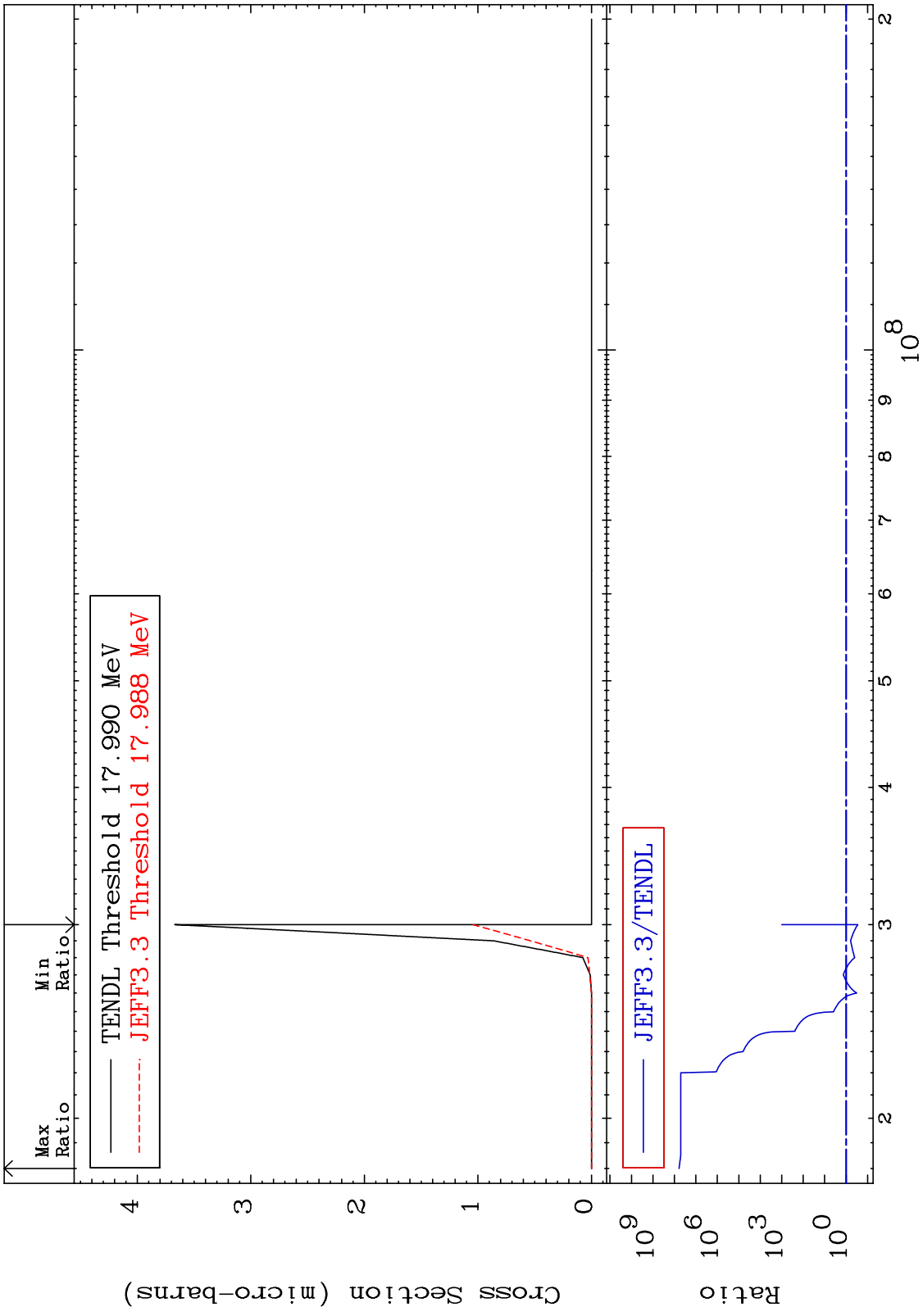
53-I -129

-60.61 To 9999. %

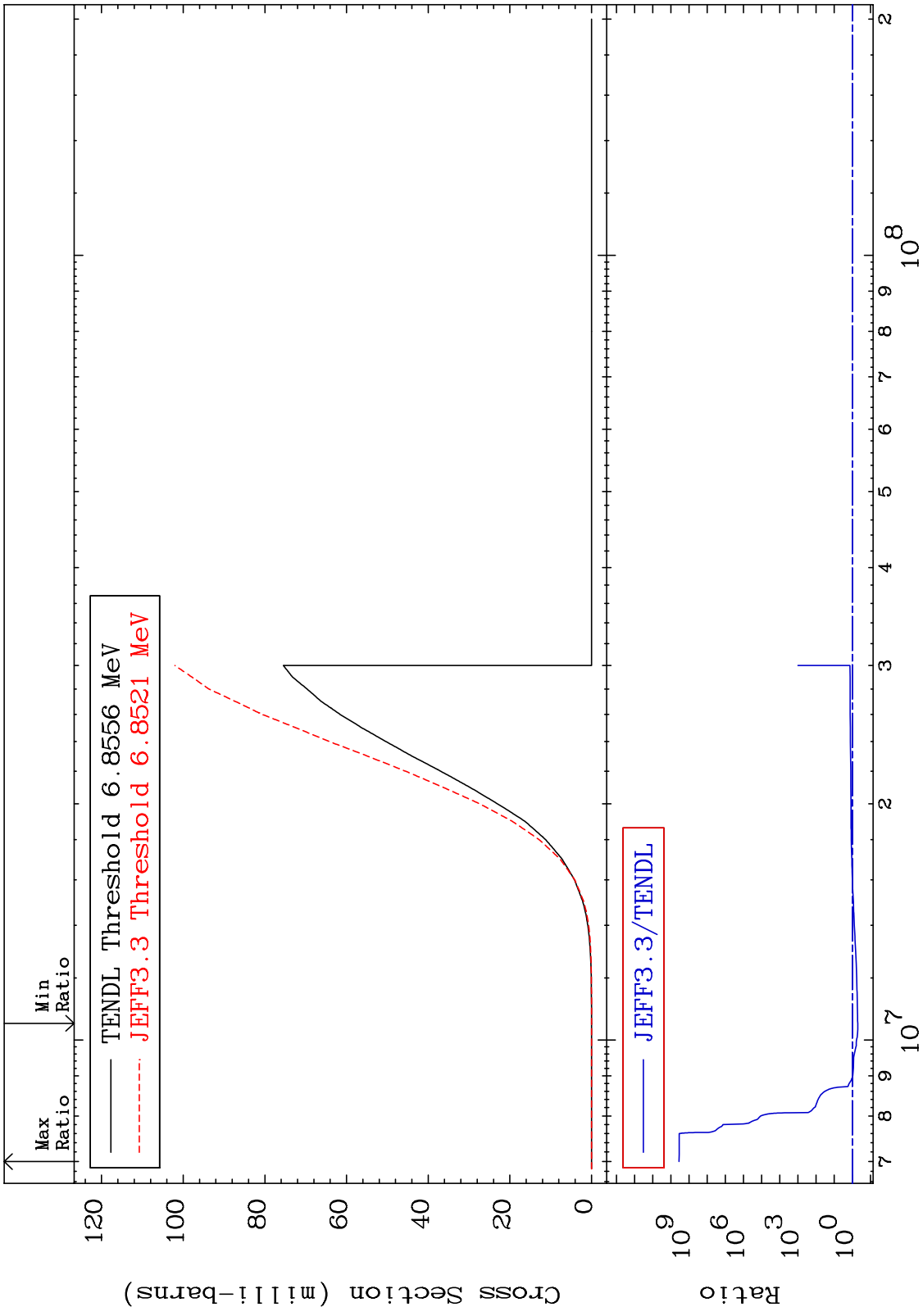
Cross Section



MAT 5331 (n,3n) α 53-I -129
 Cross Section -71.57 To 9999. %

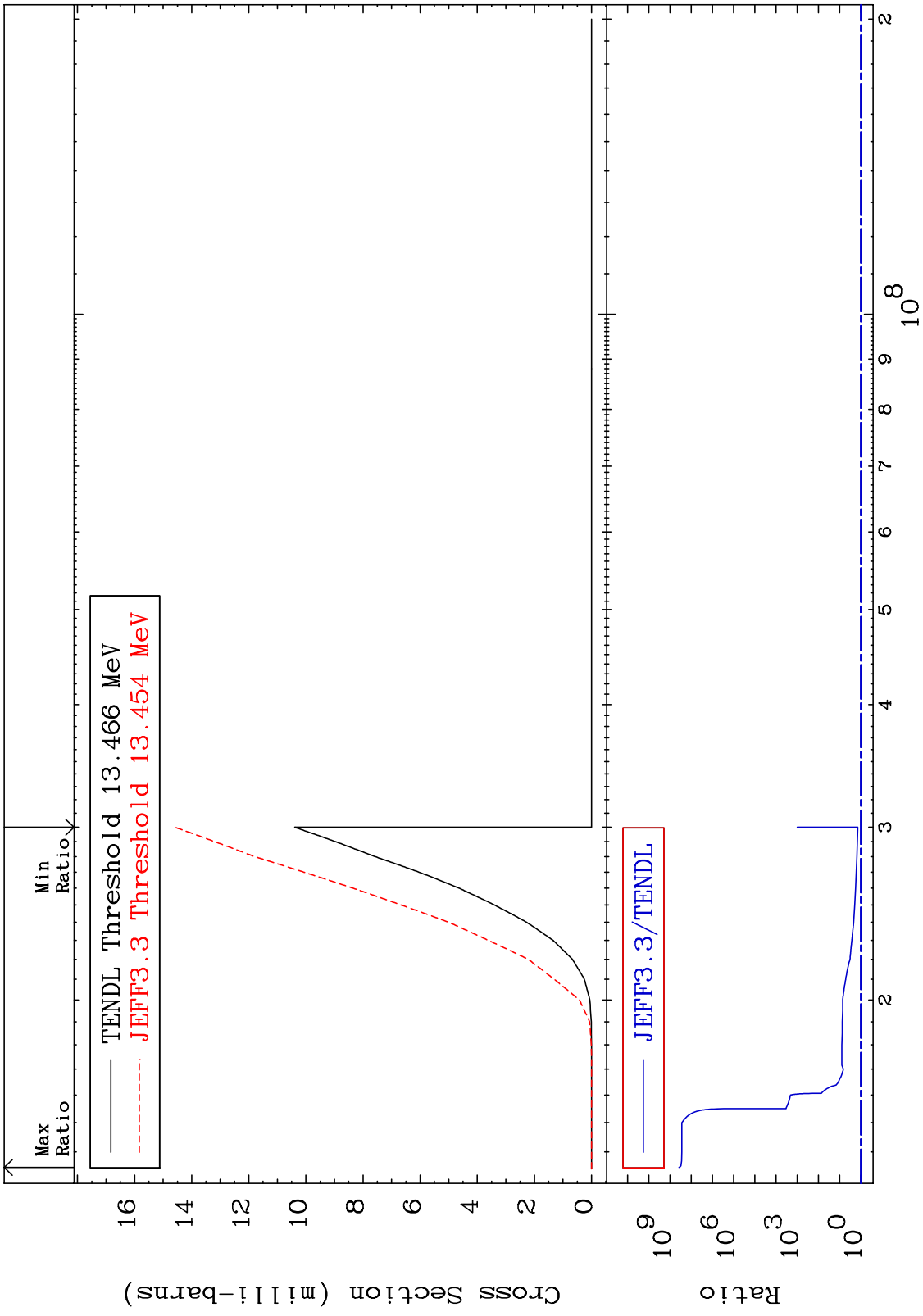


MAT 5331 (n,n') p 53-I -129
 Cross Section -49.98 To 9999. %

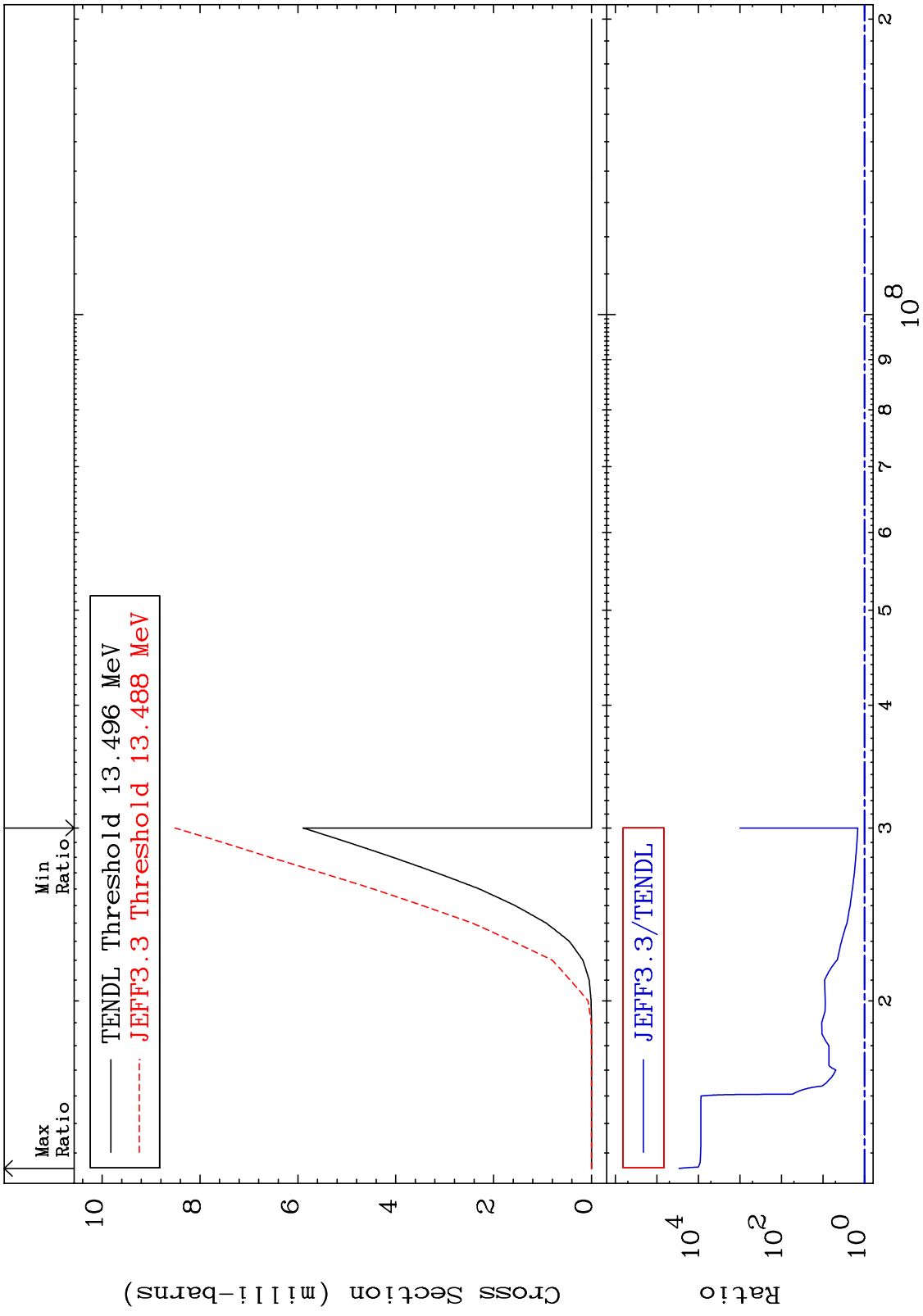


10 Incident Energy (eV) 53-I -129

MAT 5331 (n,n') d 53-I -129
 Cross Section 40.31 To 9999. %



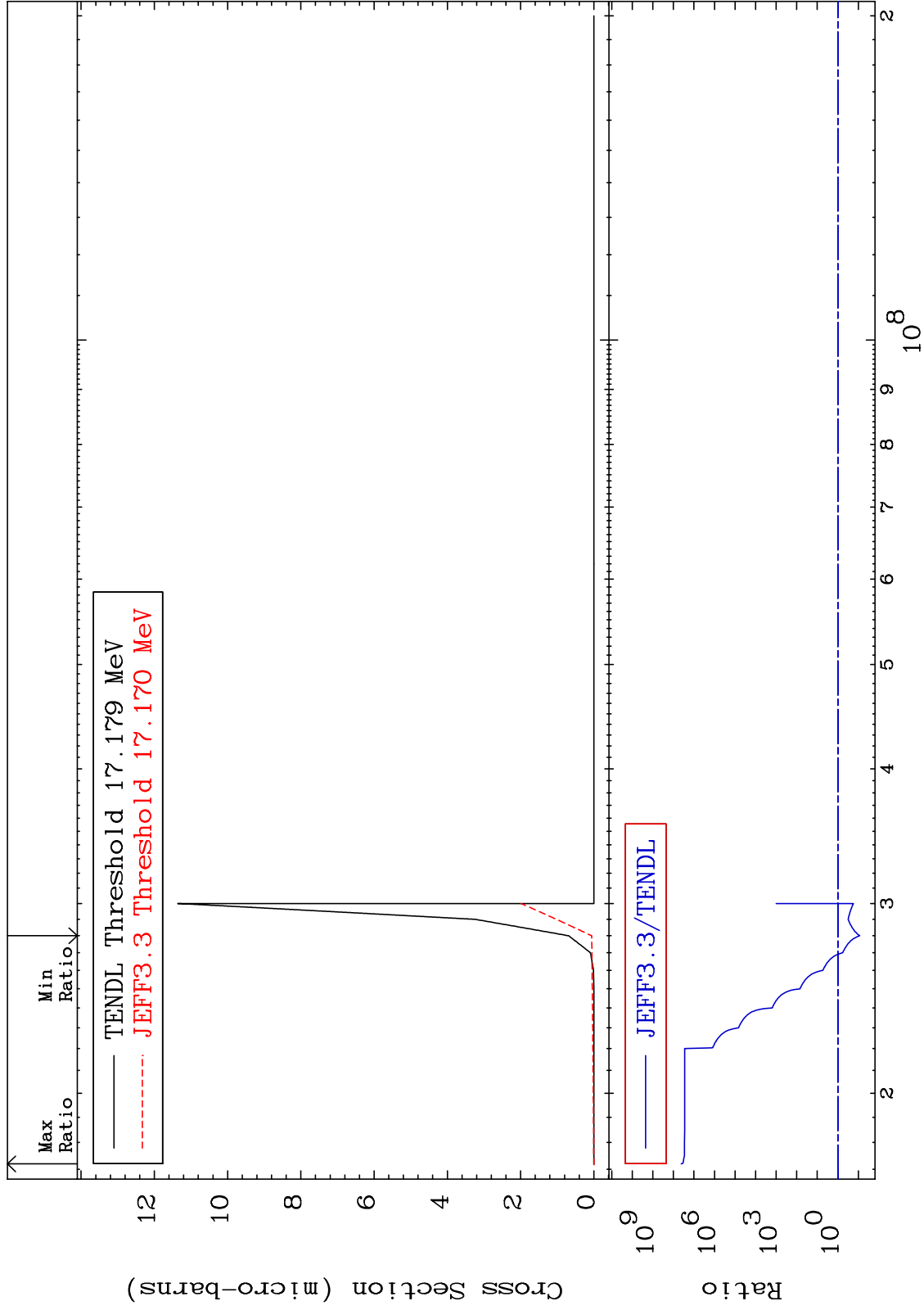
MAT 5331 (n,n') t 53-I -129
 Cross Section 44.36 To 9999. %



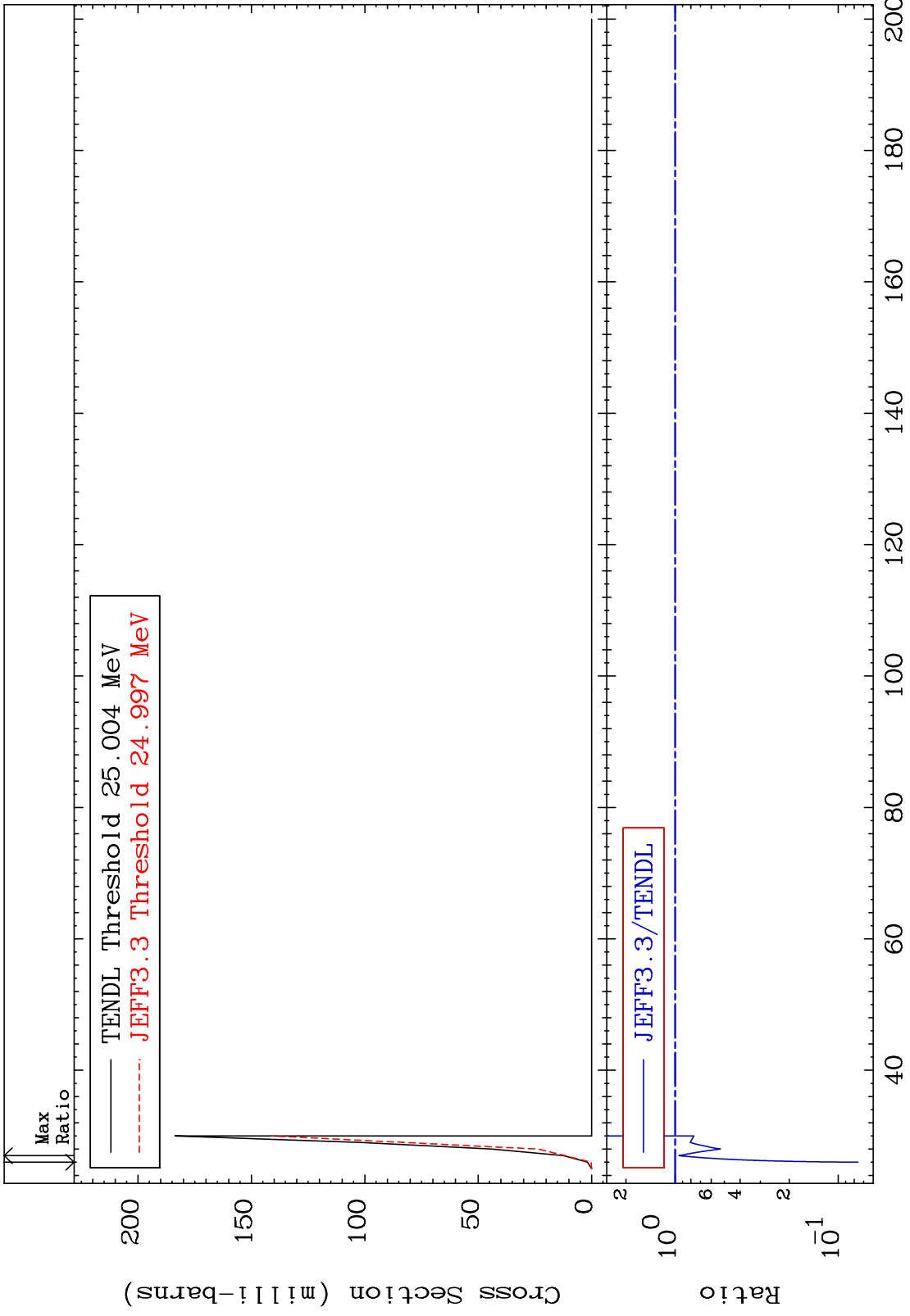
MAT 5331

(n, n') He-3
Cross Section

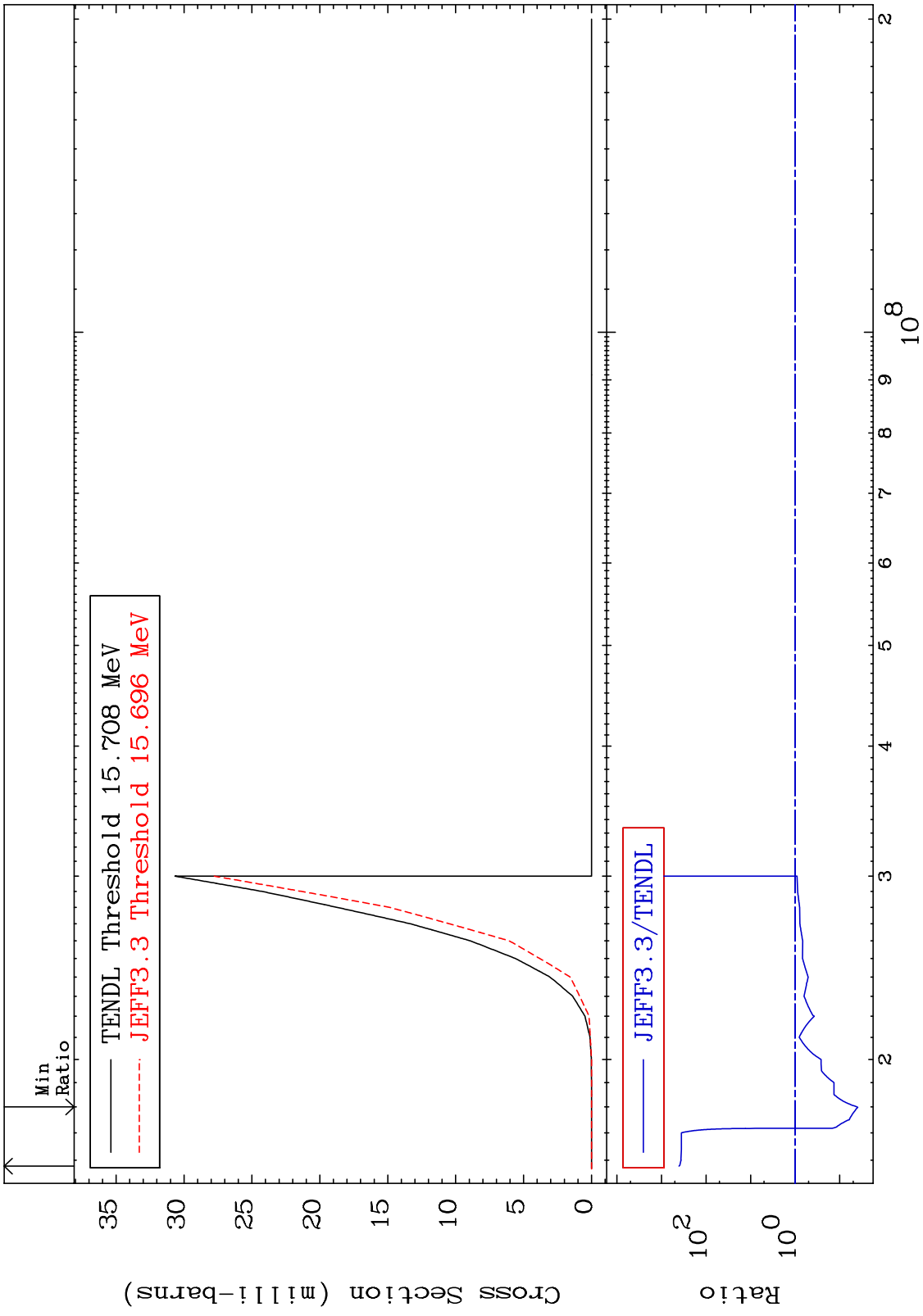
53-I -129
-91.48 To 9999. %



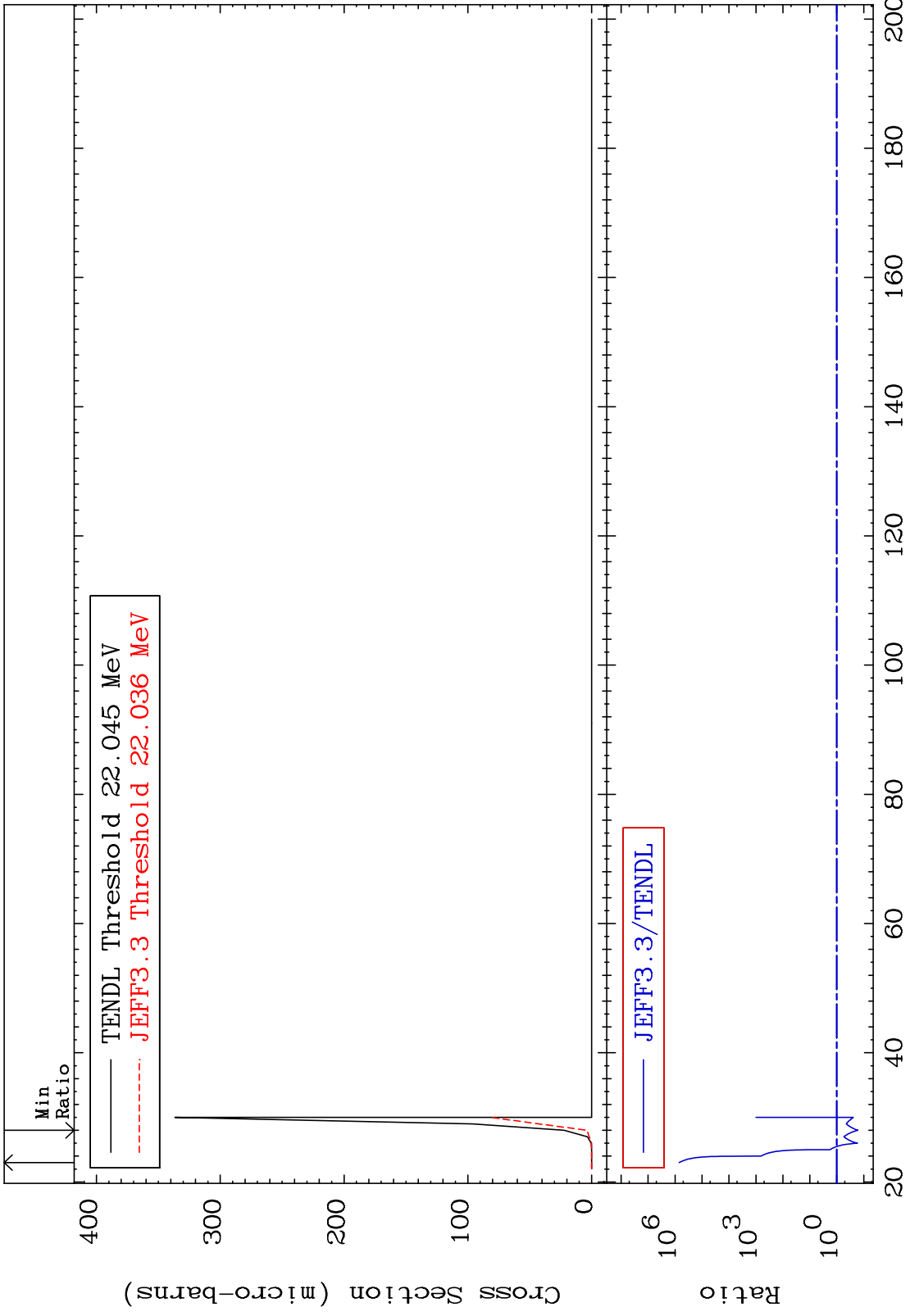
MAT 5331 (n,4n) Cross Section 53-I -129 -92.42 To -5.517%

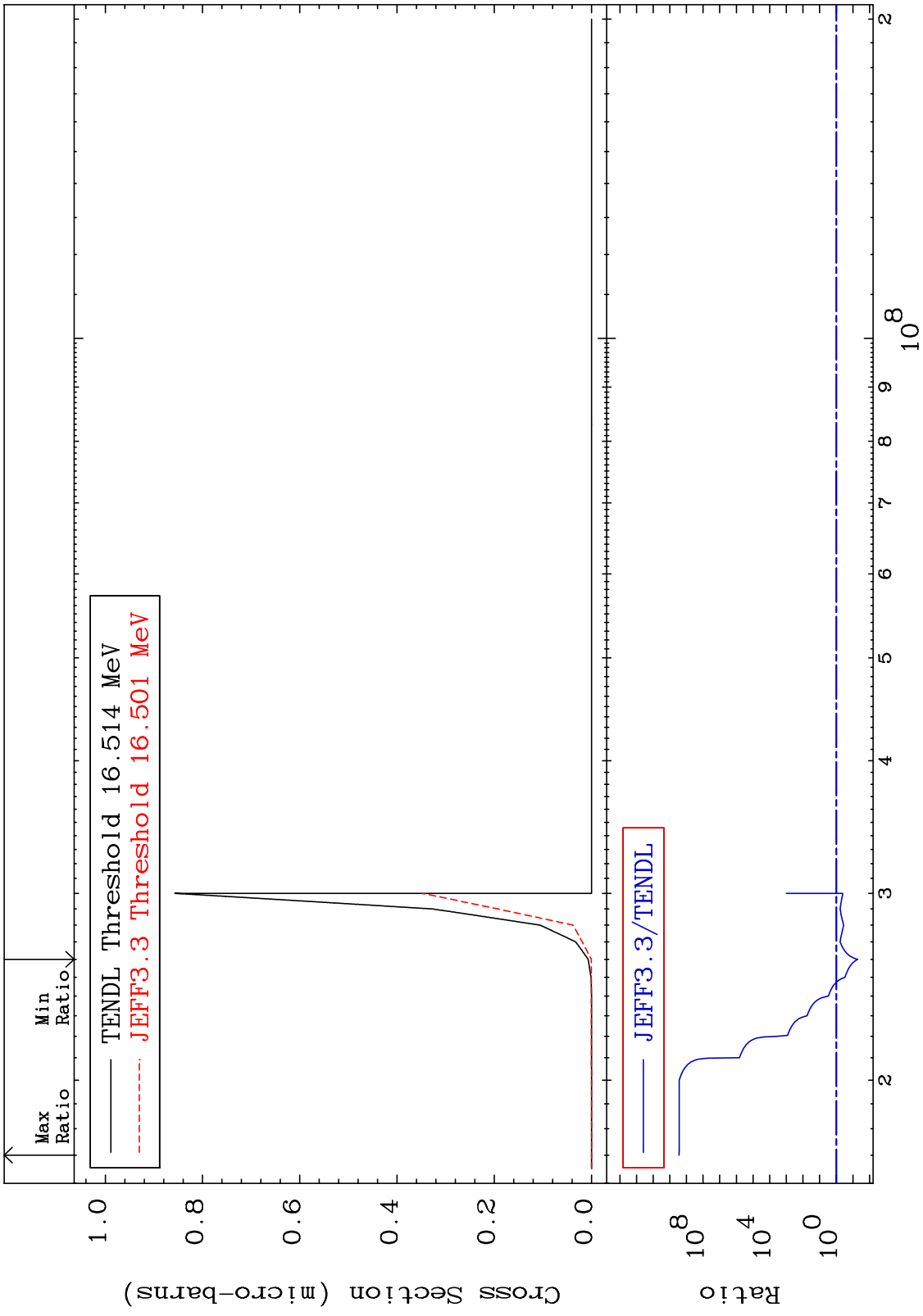


MAT 5331 (n,2n) p 53-I -129
 Cross Section -96.08 To 9999. %



MAT 5331 (n,3n) p 53-I -129
Cross Section -83.62 To 9999. %

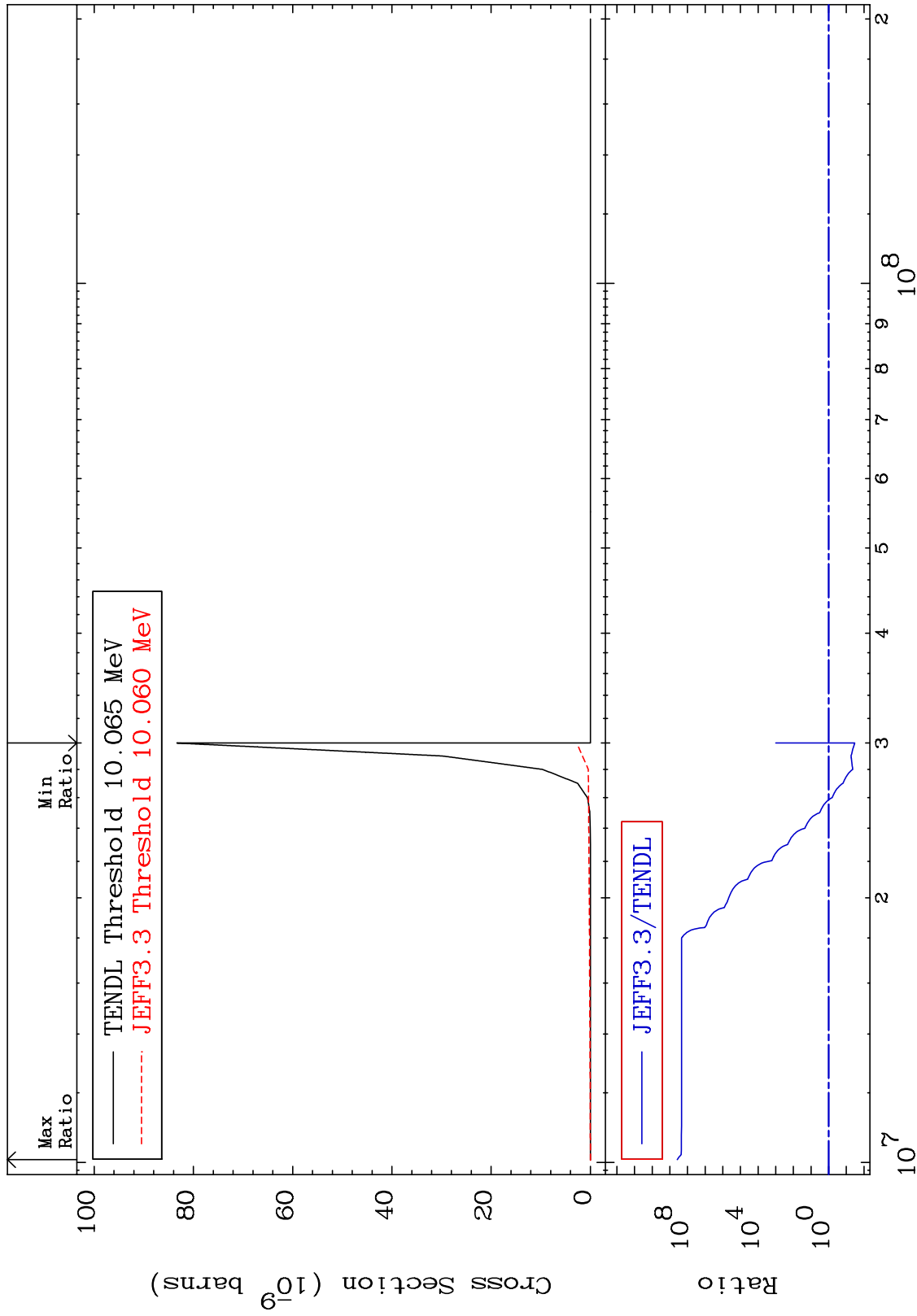




MAT 5331

(n,n') p α
Cross Section

53-I -129
-96.67 To 9999. %

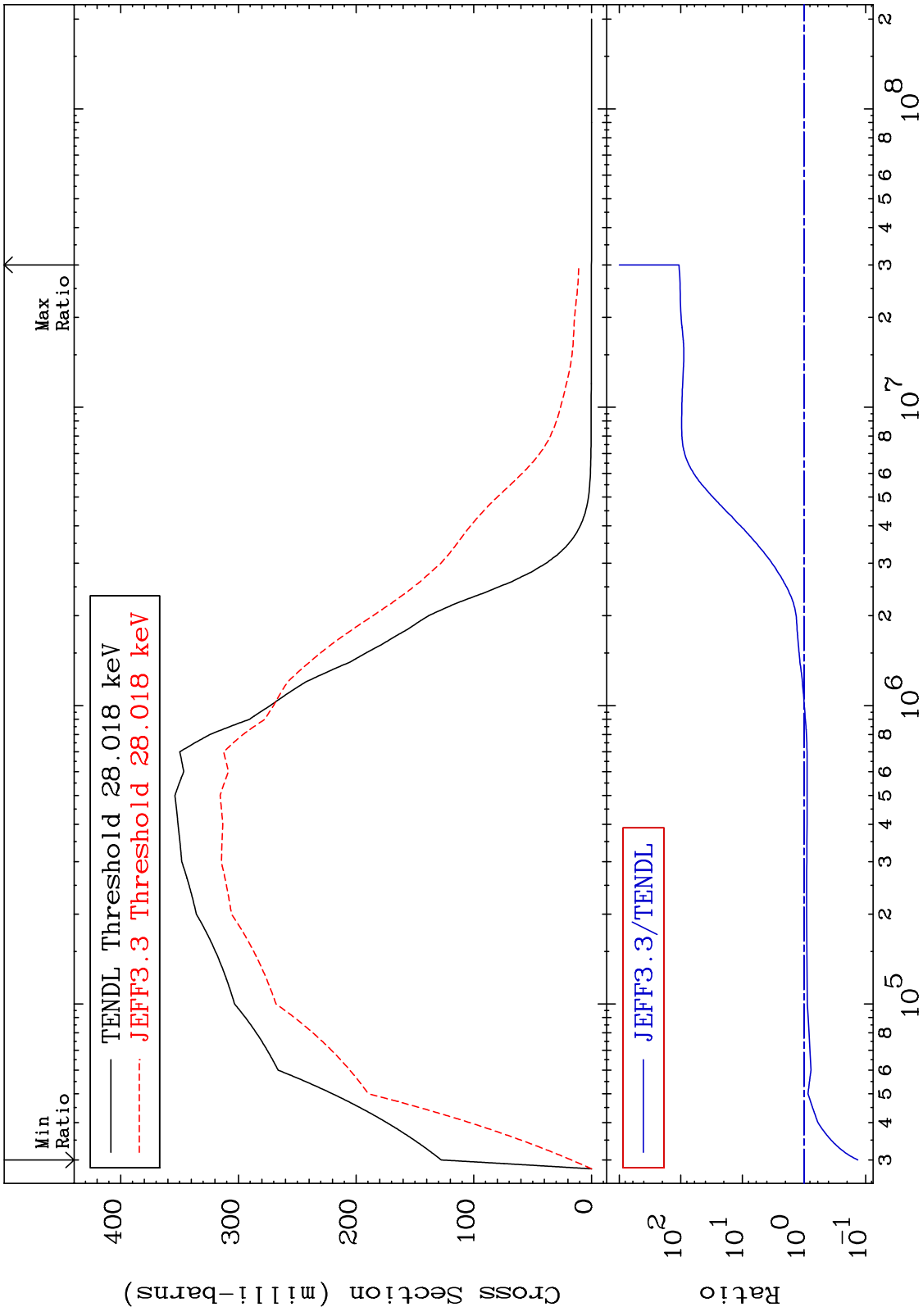


18

Incident Energy (eV)

53-I -129

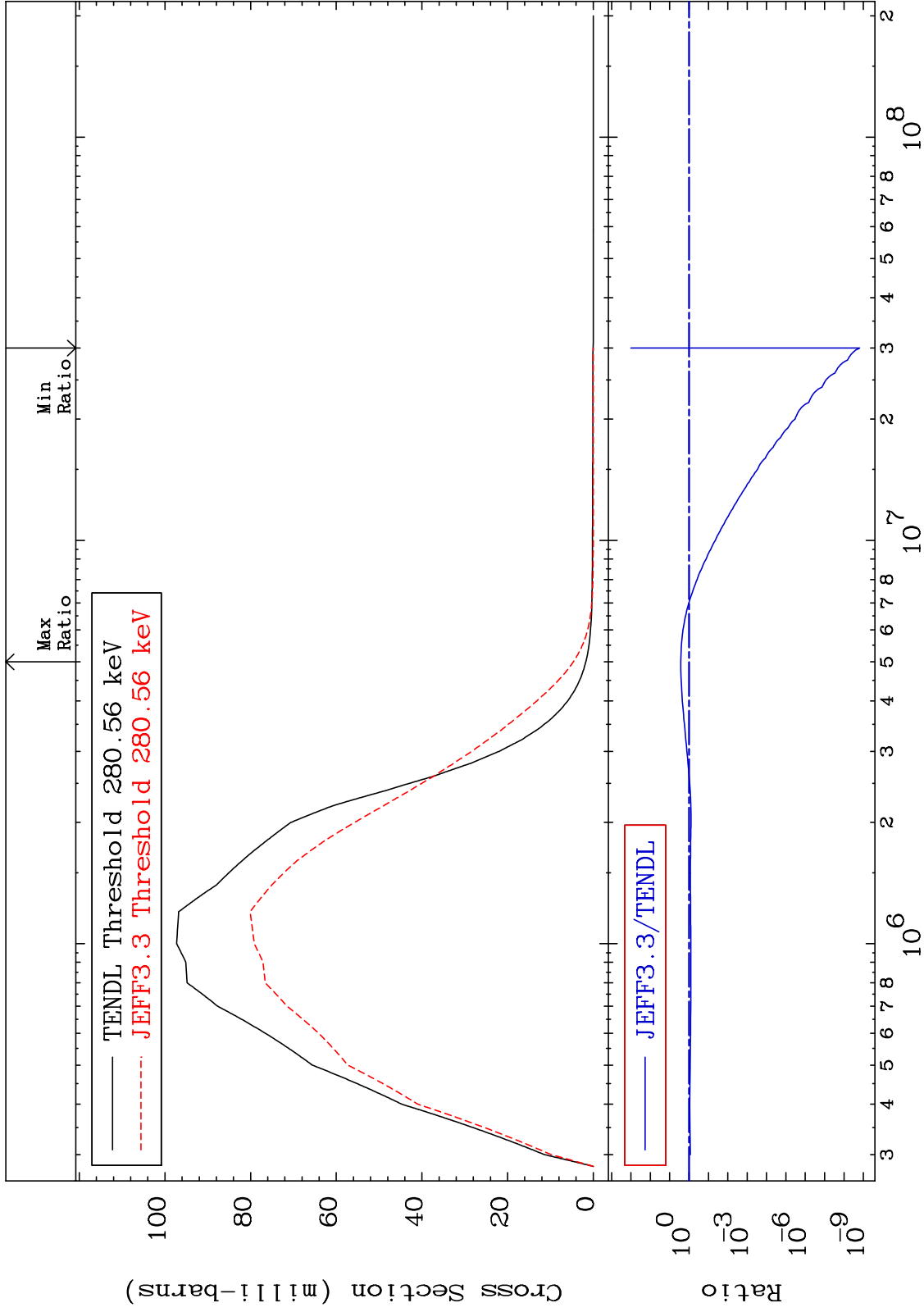
MAT 5331 MT= 51 (n,n') Level Cross Section 53-I -129
 -86.60 To 9999. %



MAT 5331

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

53-I -129
-100.0 To 166.0 %

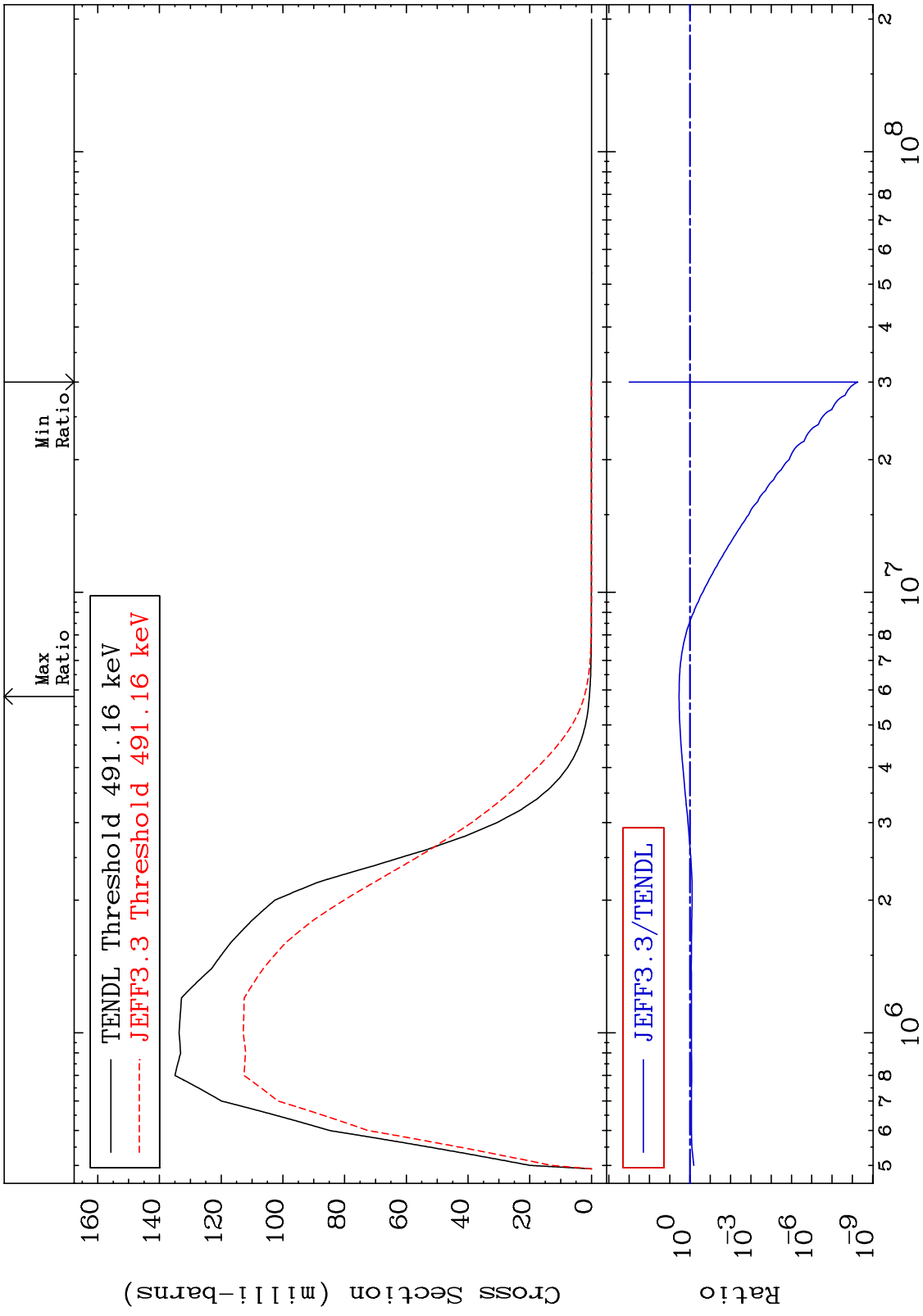


20

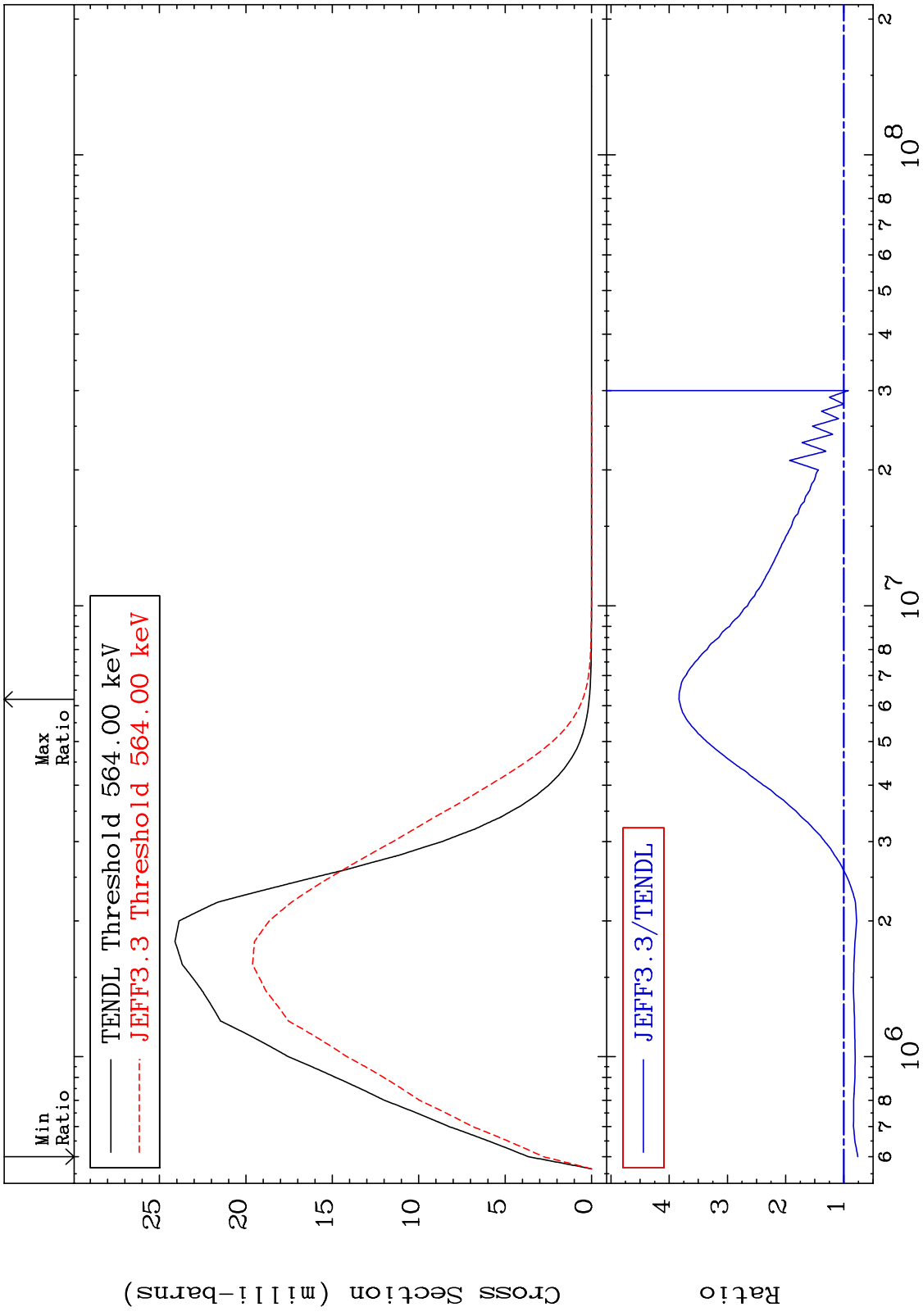
Incident Energy (eV)

53-I -129

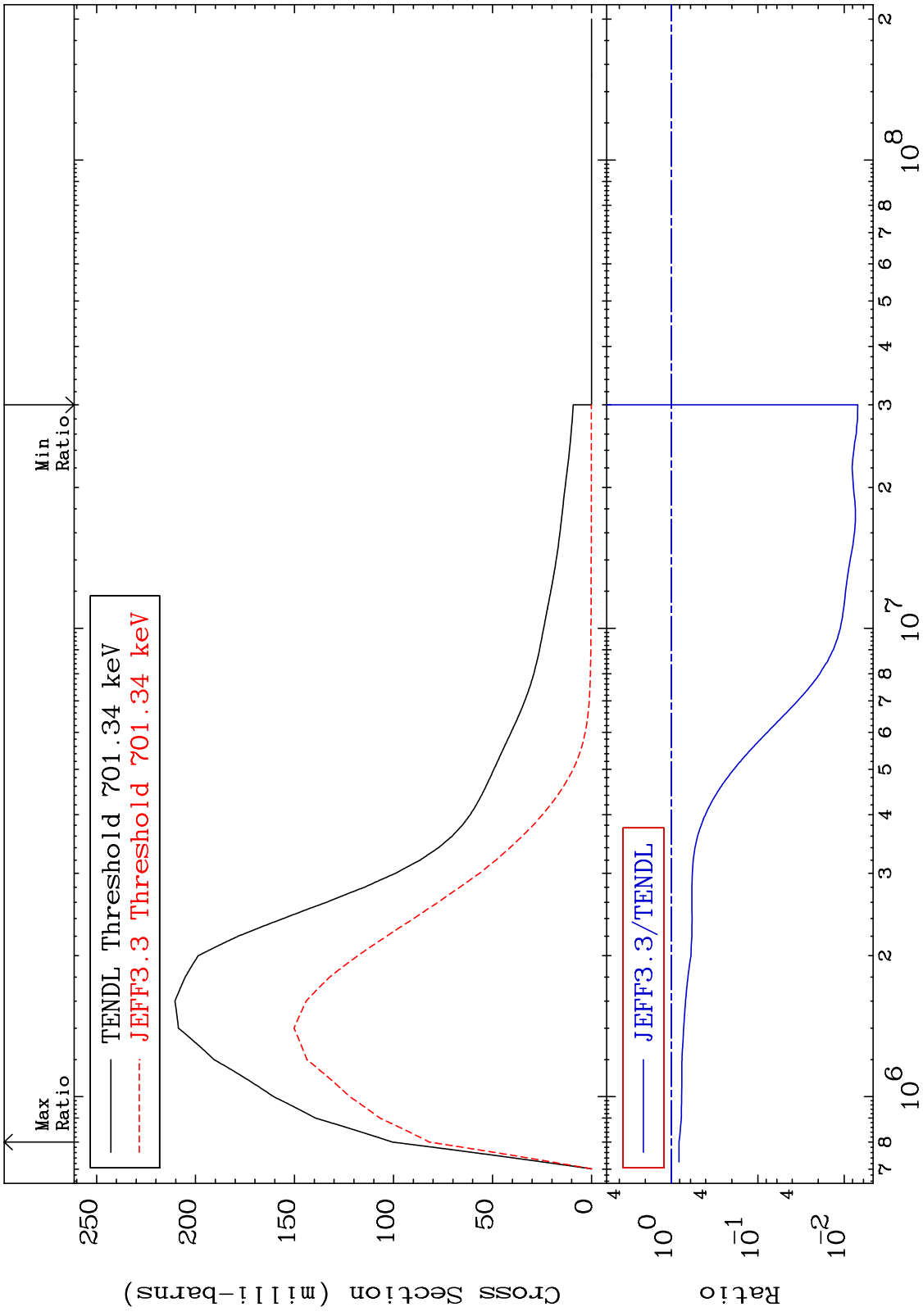
MAT 5331 MT= 53 (n,n') Level Cross Section 53-I -129
 -100.0 To 247.2 %



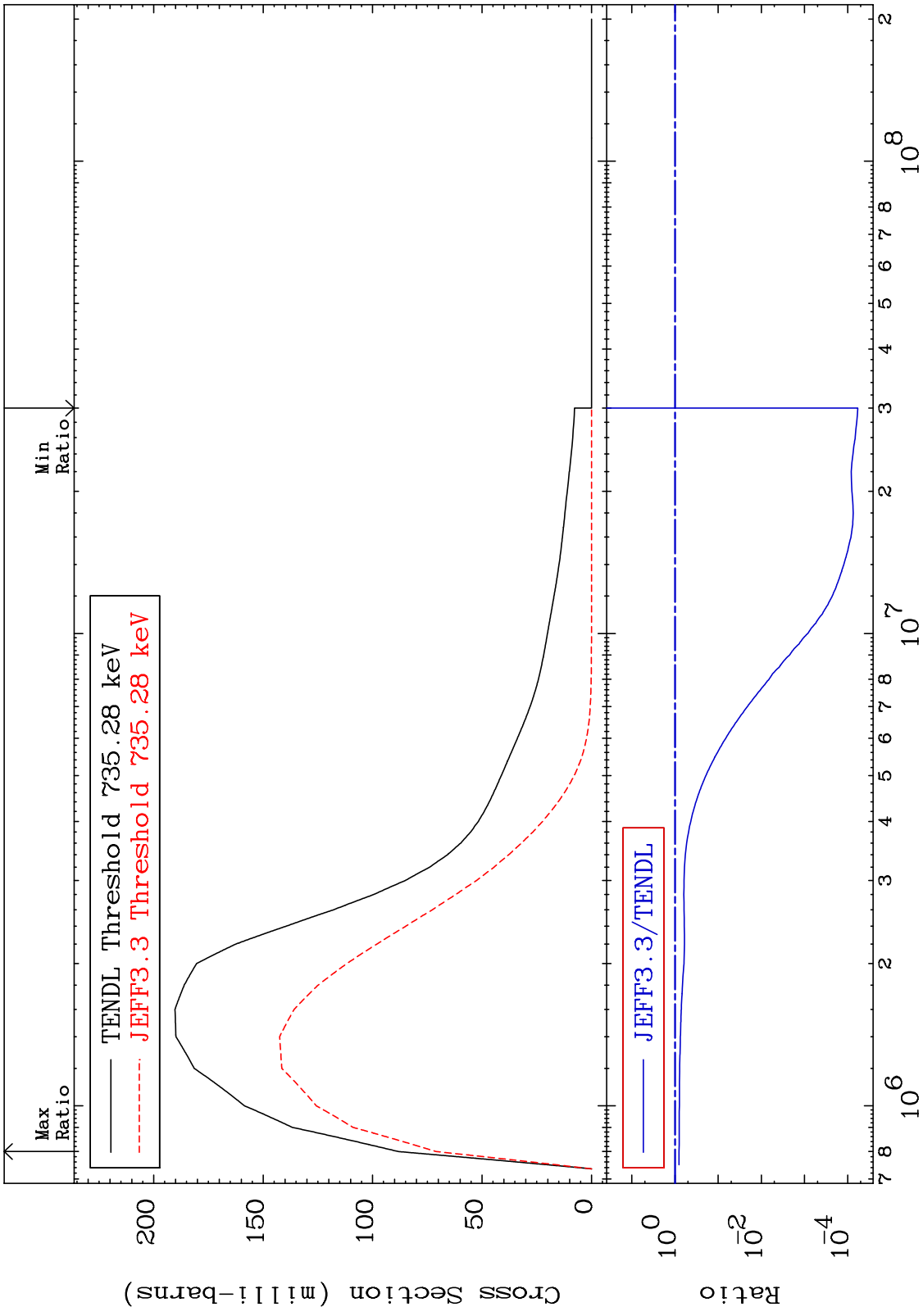
MAT 5331 MT= 54 (n,n') Level Cross Section 53-I -129
 -23.94 To 283.1 %



MAT 5331 MT= 55 (n,n') Level Cross Section 53-I -129
 -99.30 To -18.54%



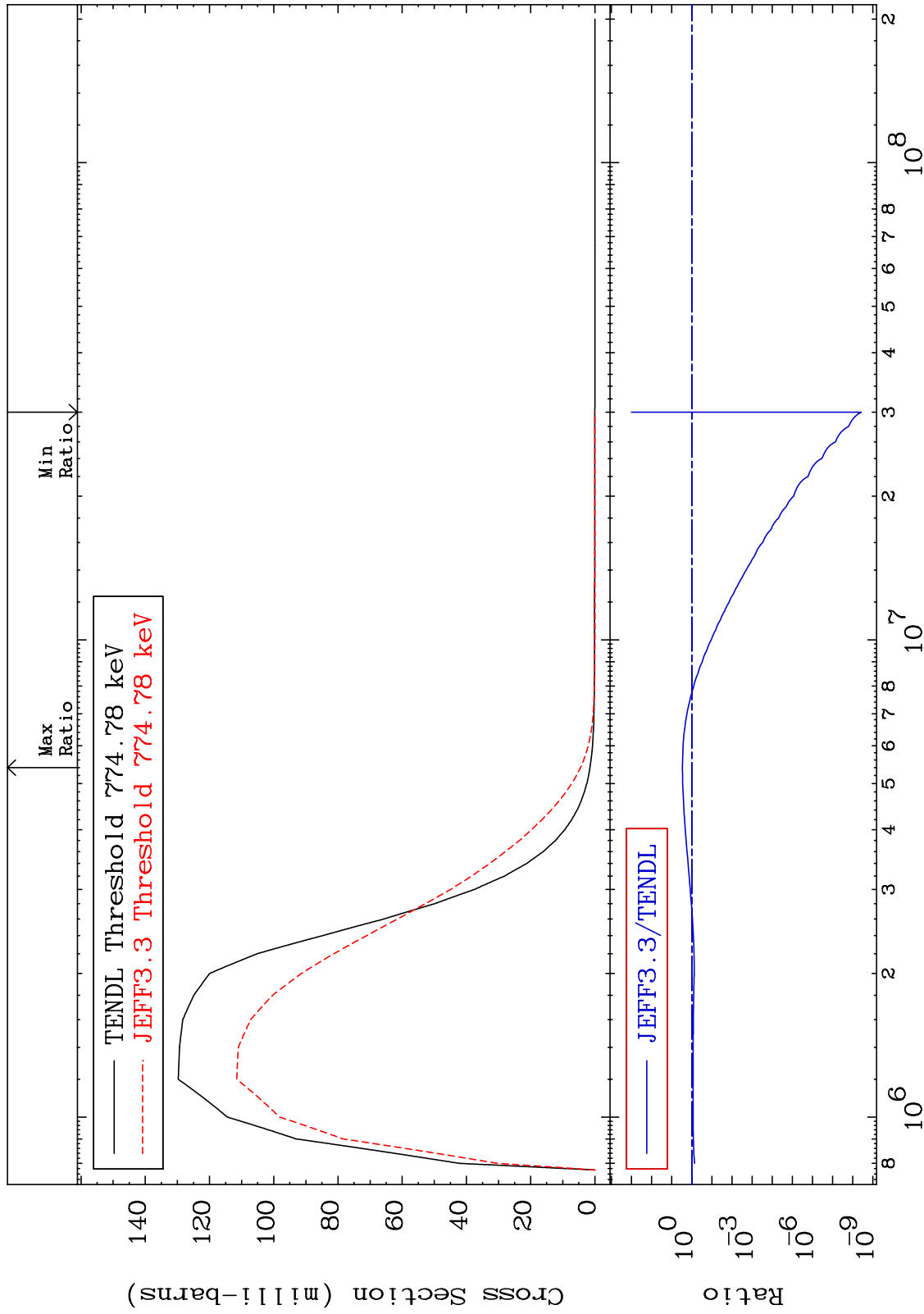
MAT 5331 MT= 56 (n,n') Level Cross Section 53-I -129 -99.99 To -19.54%



MAT 5331

MT= 57 (n,n') Level
Cross Section

53-I -129
-100.0 To 190.7 %

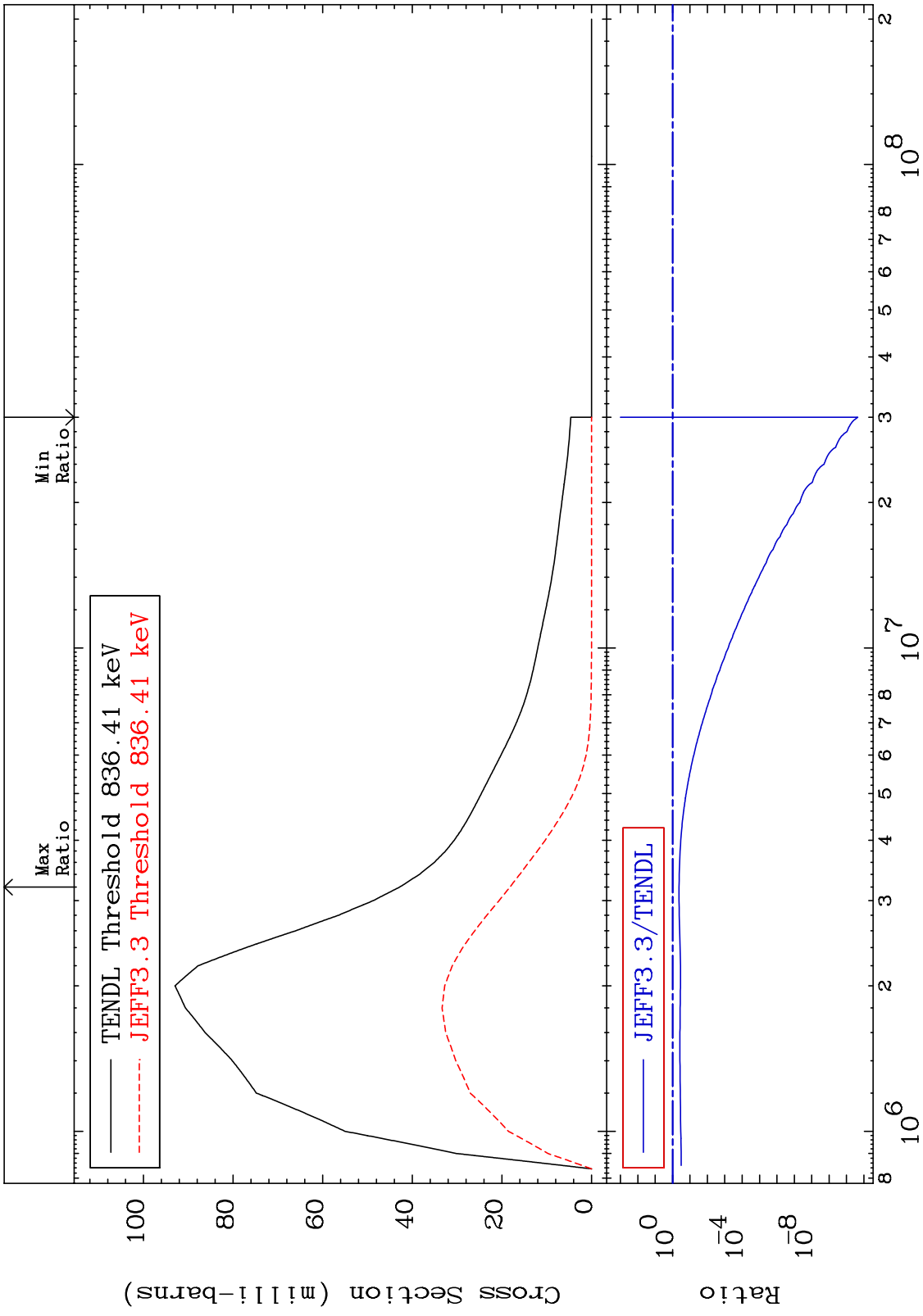


25

Incident Energy (eV)

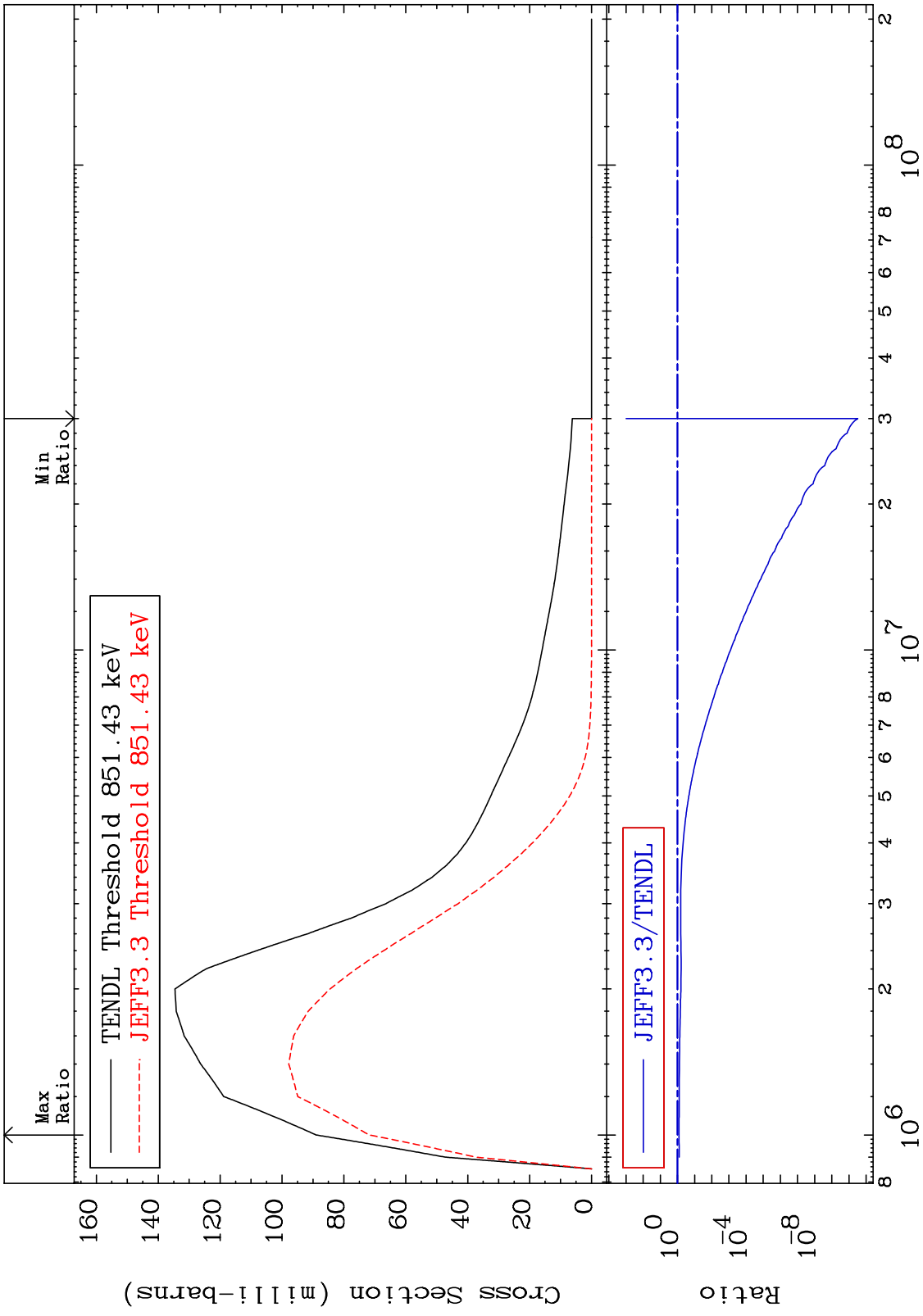
53-I -129

MAT 5331 MT= 58 (n,n') Level Cross Section 53-I -129
 -100.0 To -57.46%

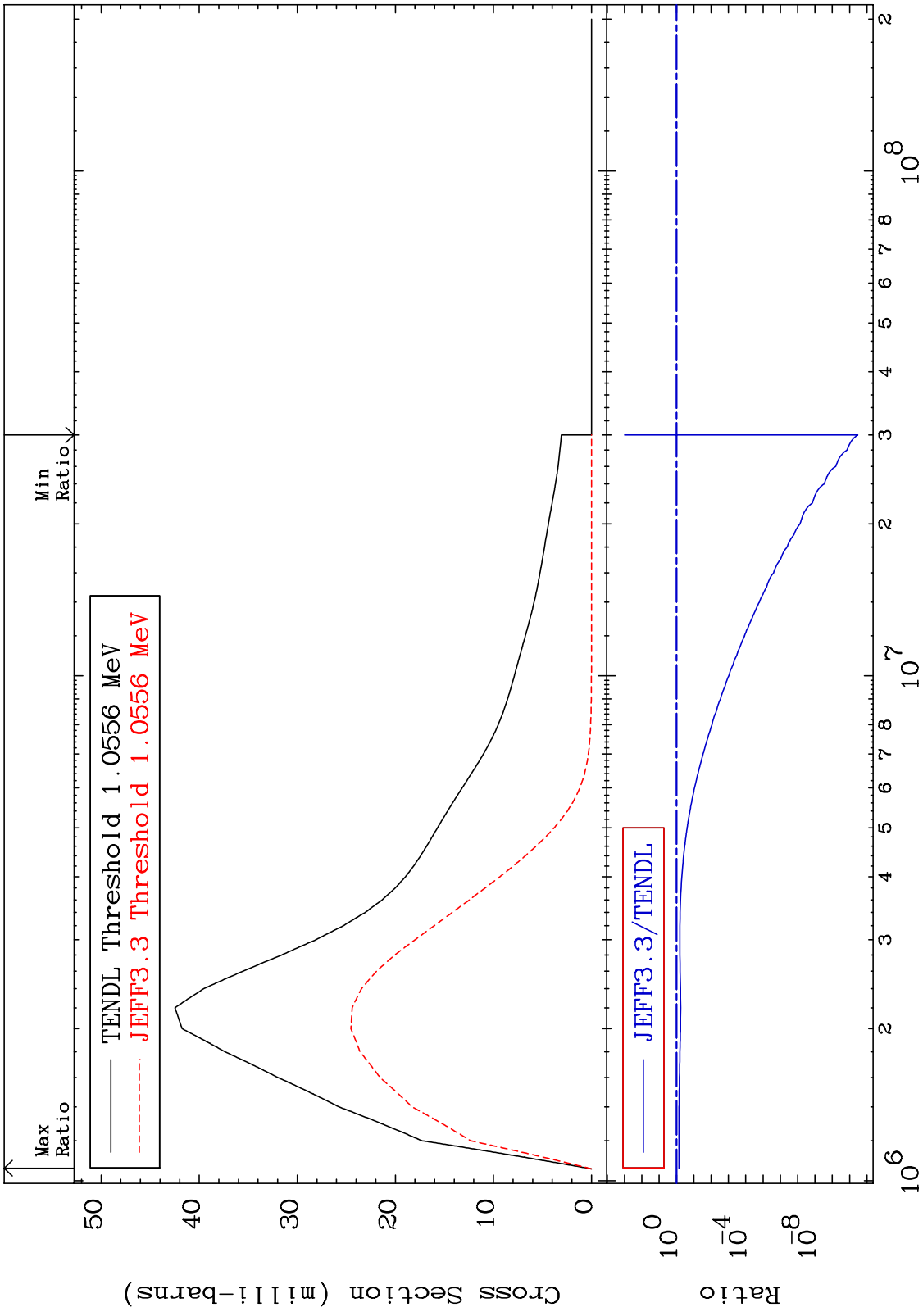


26 53-I -129

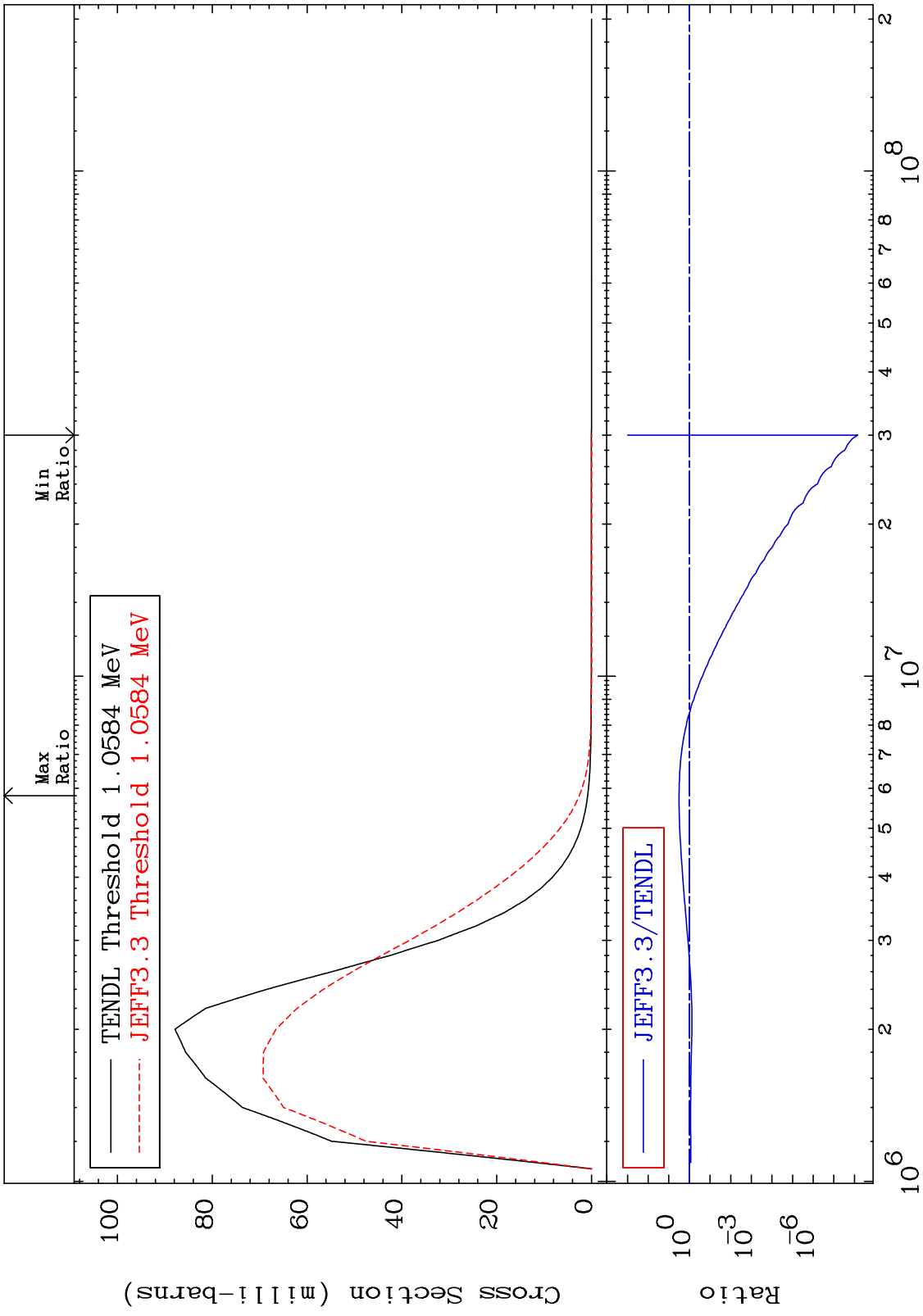
MAT 5331 MT= 59 (n,n') Level Cross Section 53-I -129 -100.0 To -19.22%



MAT 5331 MT= 60 (n,n') Level Cross Section 53-I -129
 -100.0 To -28.67%



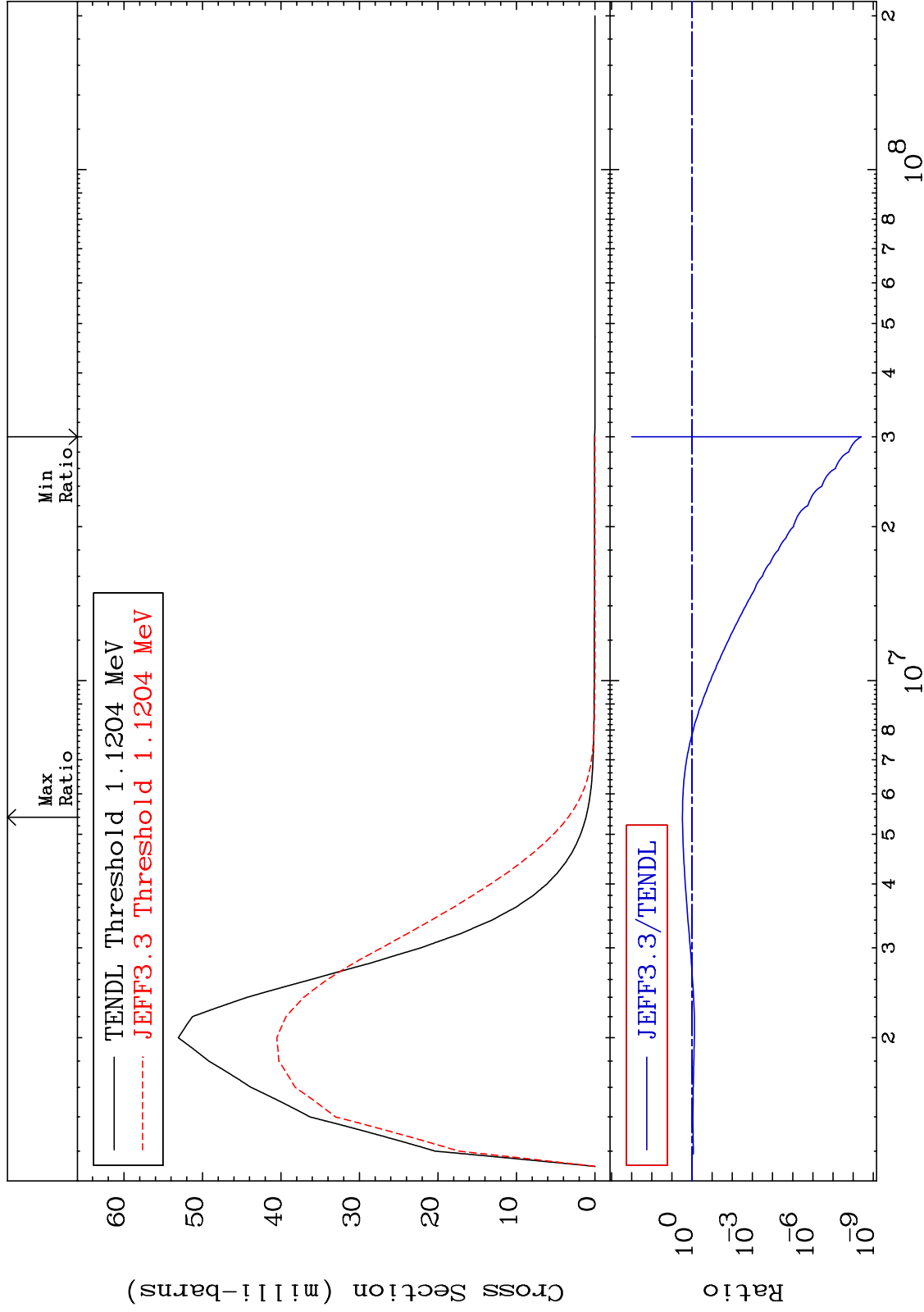
MAT 5331 MT= 61 (n,n') Level Cross Section 53-I -129
 -100.0 To 218.5 %



MAT 5331

MT= 62 (n,n') Level
Cross Section

53-I -129
-100.0 To 198.0 %



30

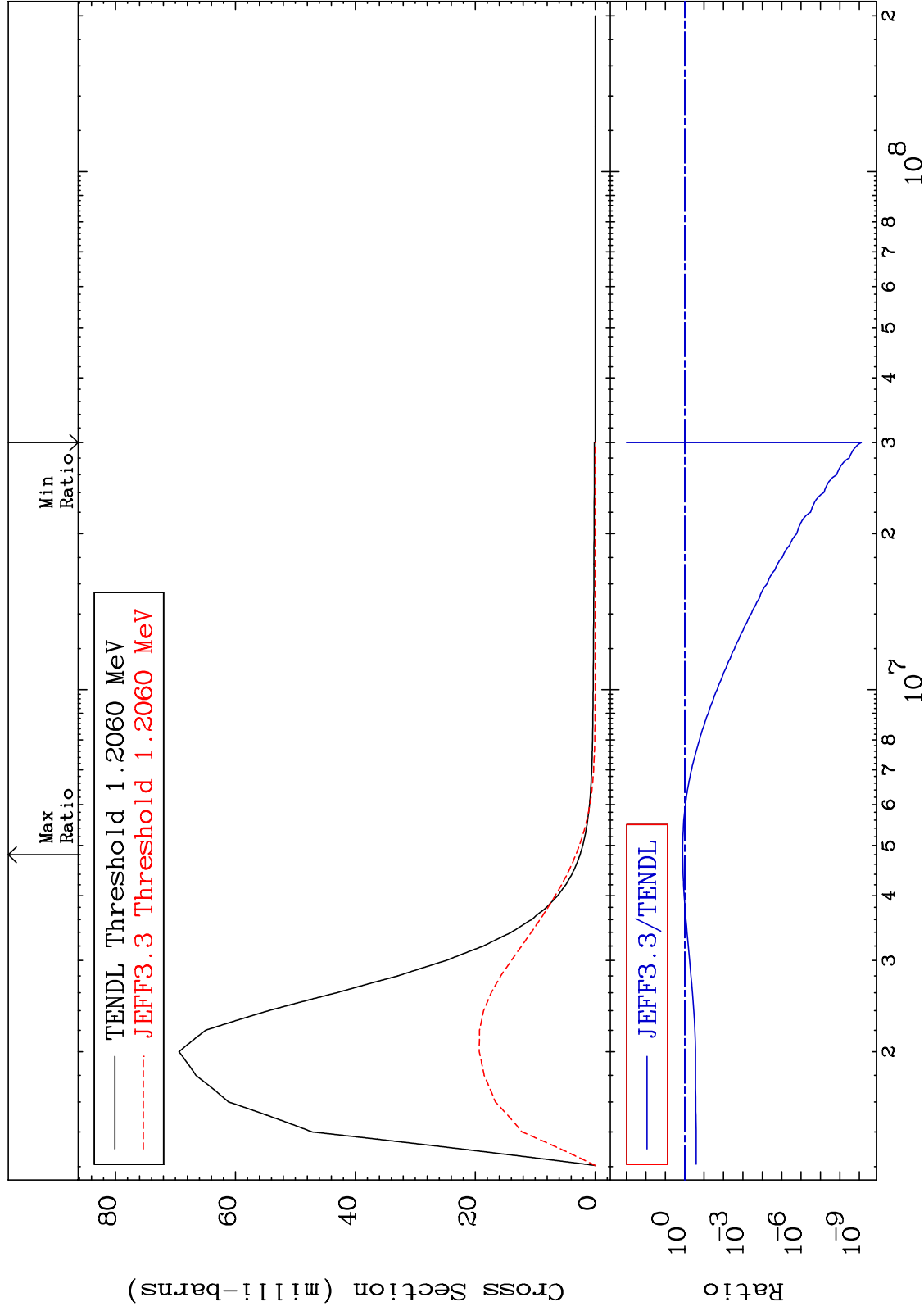
Incident Energy (eV)

53-I -129

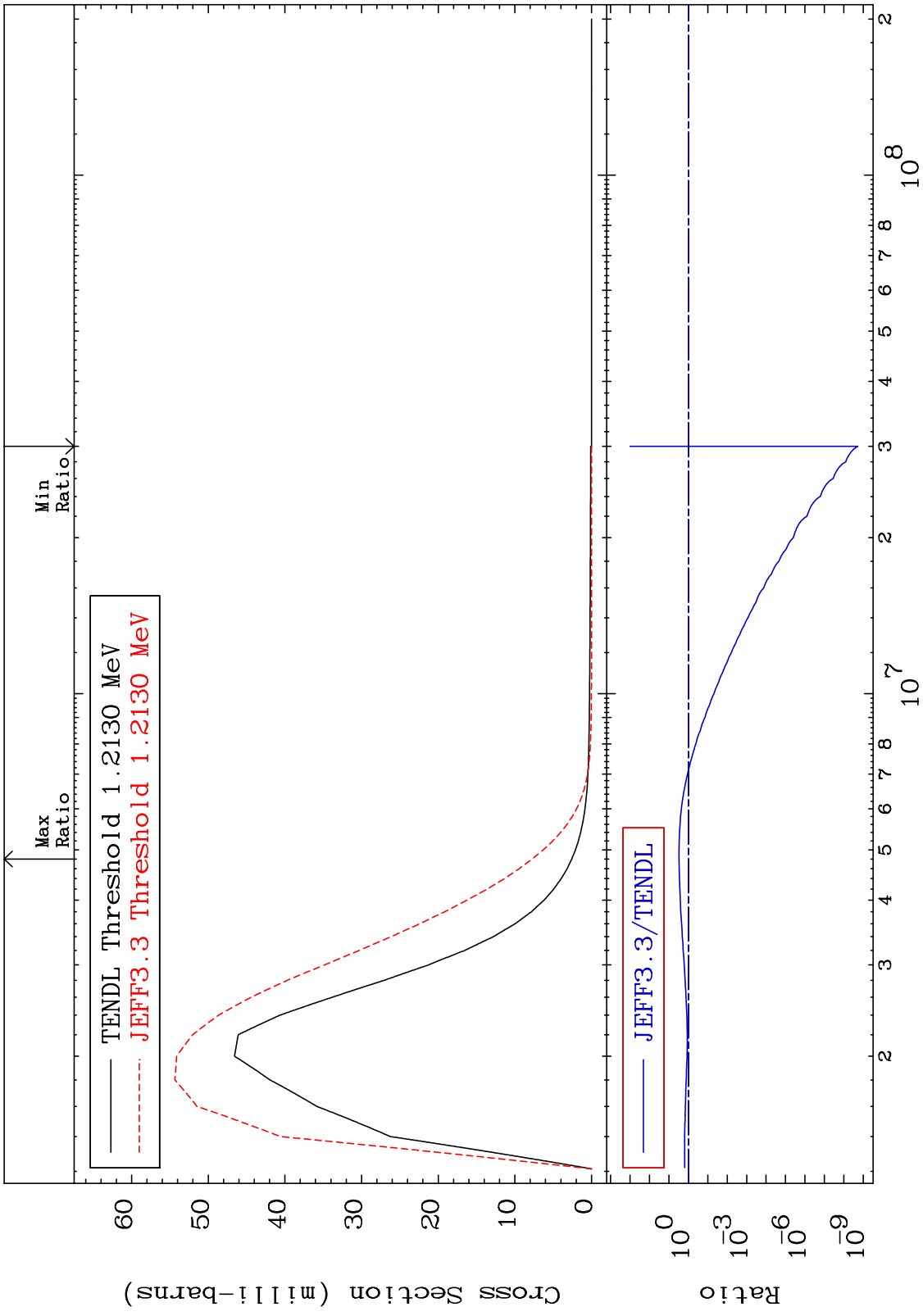
MAT 5331

MT= 63 (n,n') Level
Cross Section

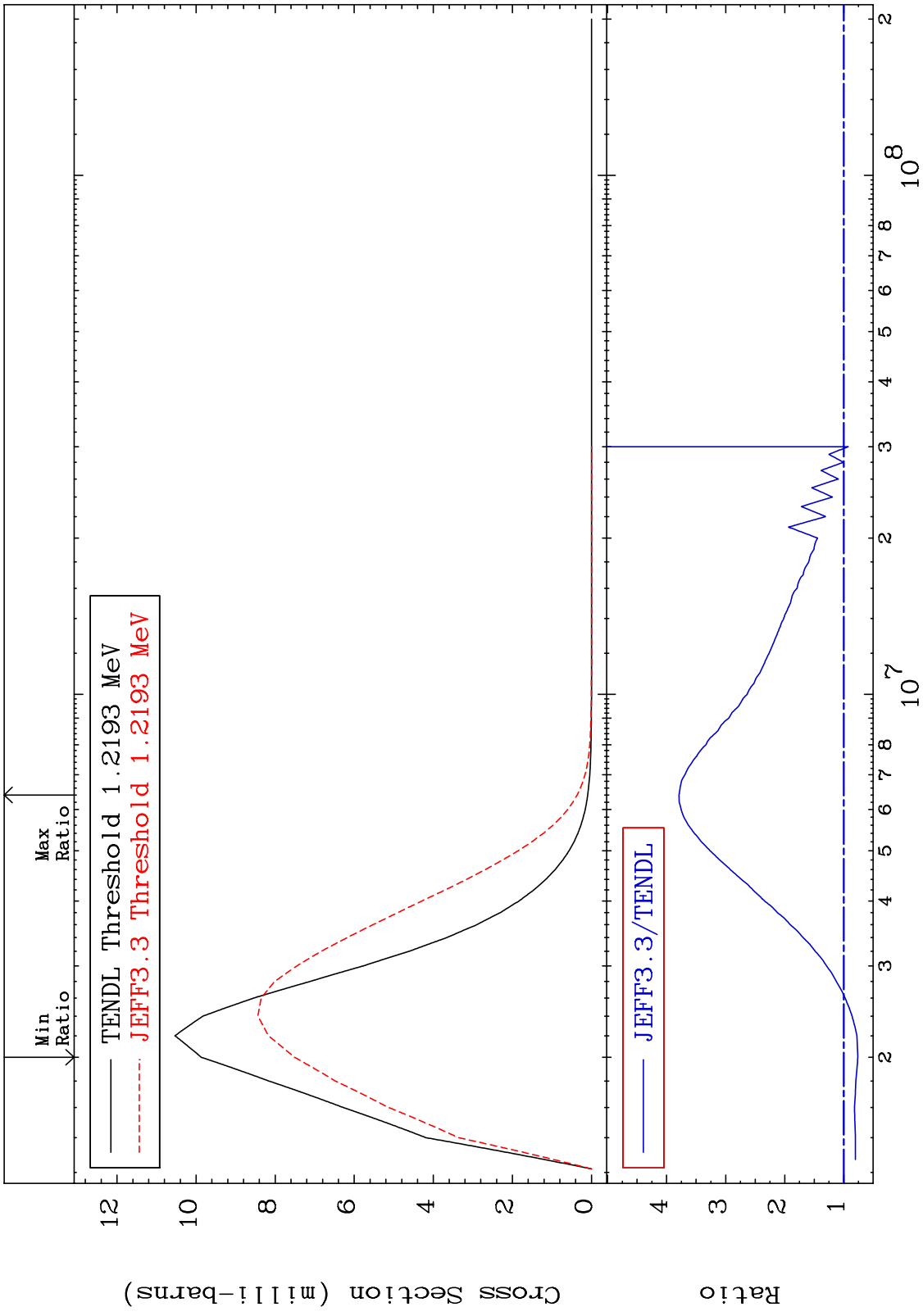
53-I -129
-100.0 To 27.34 %



MAT 5331 MT= 64 (n,n') Level Cross Section 53-I -129
 -100.0 To 200.8 %



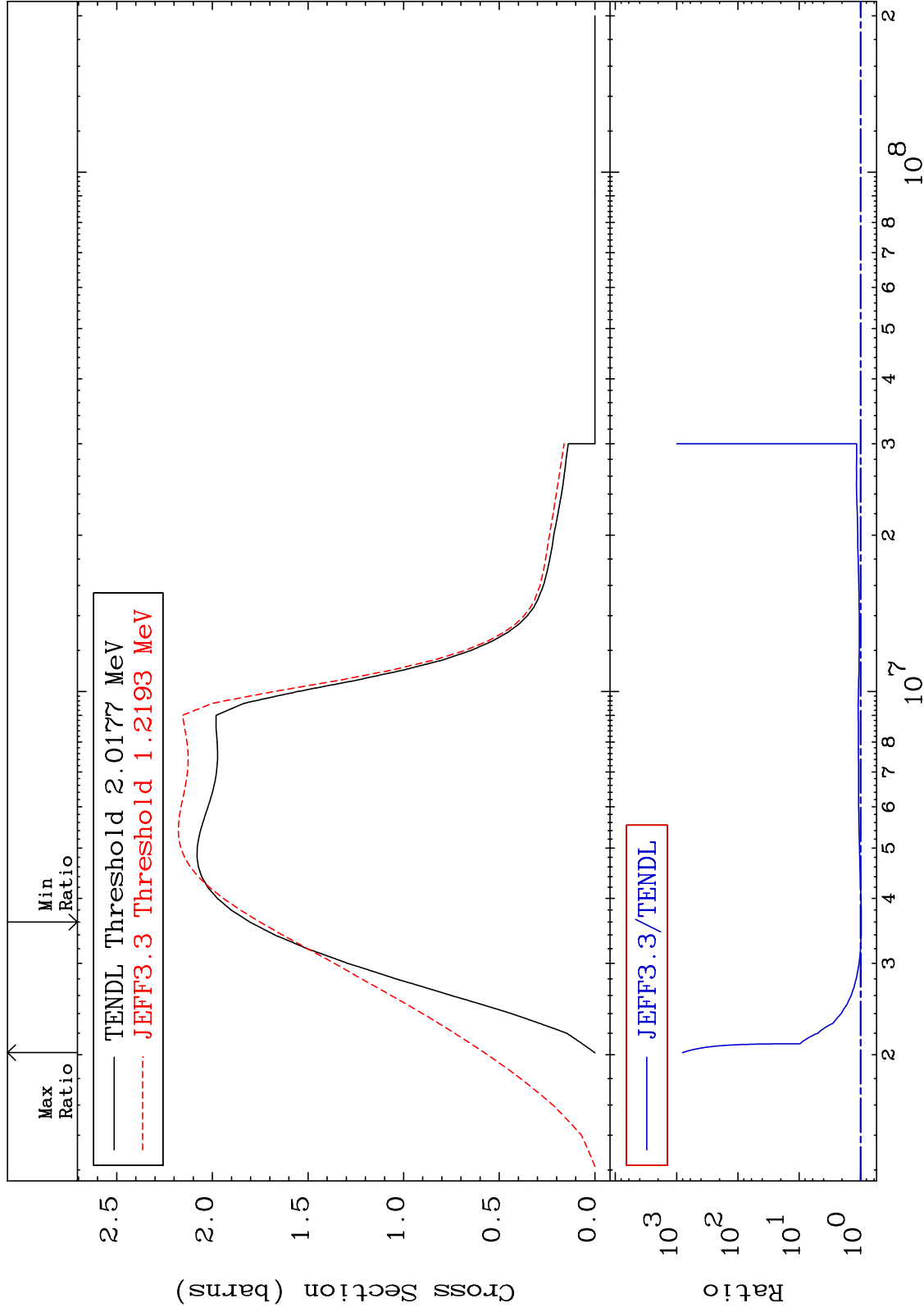
MAT 5331 MT= 65 (n,n') Level Cross Section 53-I -129
 -23.88 To 278.9 %



MAT 5331

(n,n') Continuum
Cross Section

53-I -129
-2.932 To 9999. %



34

Incident Energy (eV)

53-I -129

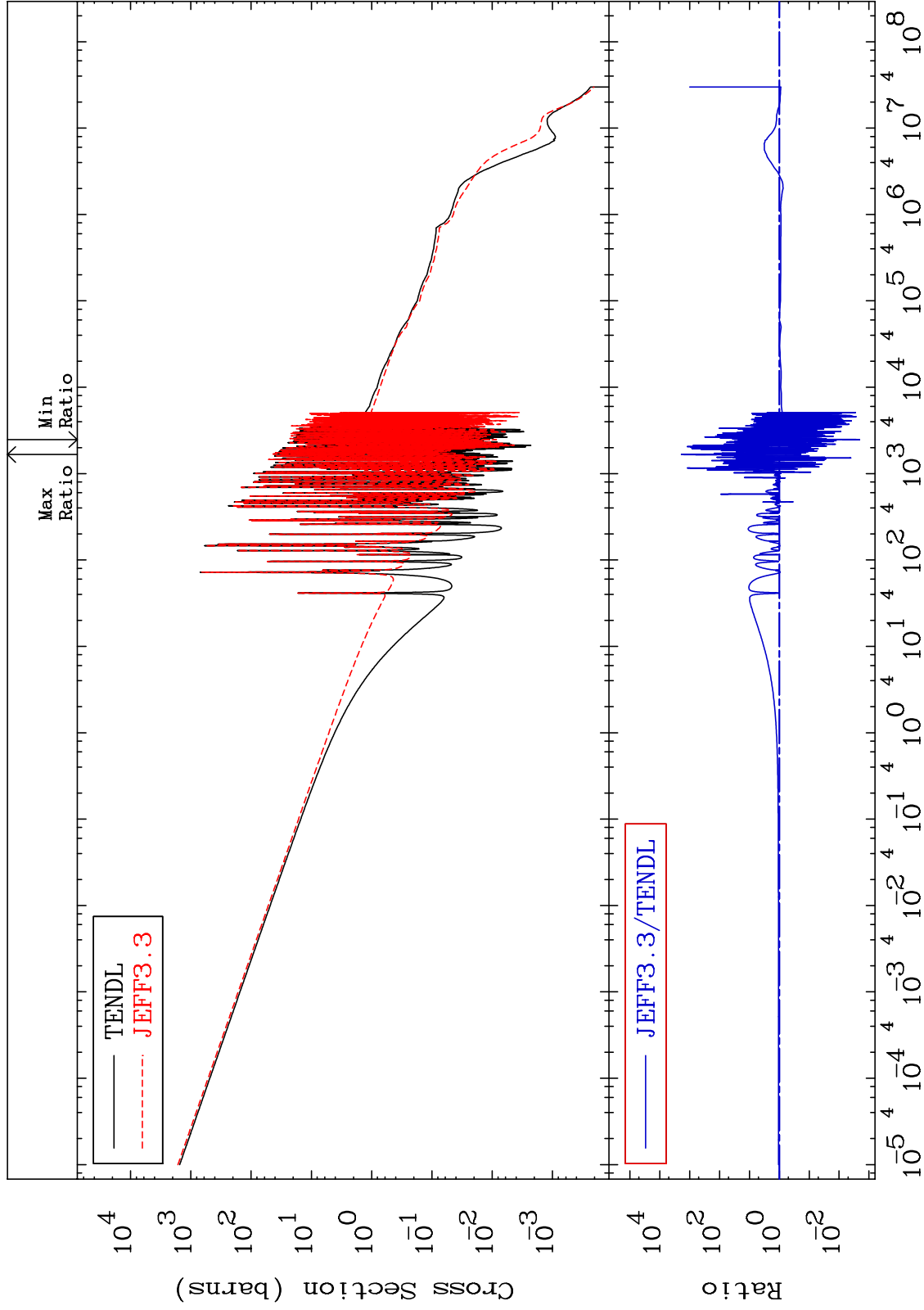
MAT 5331

(n, γ)

53-I -129

-99.80 To 9999. %

Cross Section



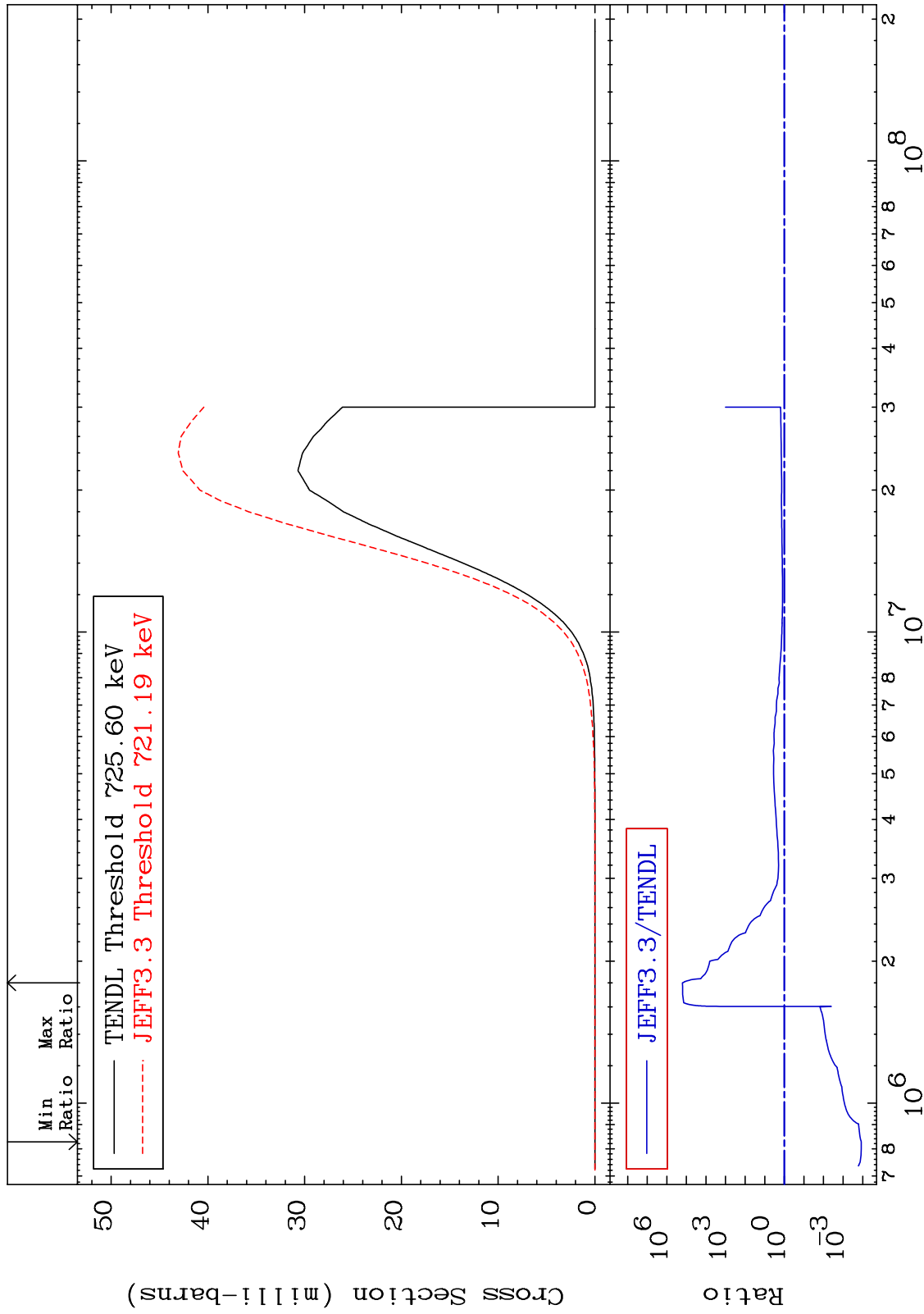
MAT 5331

(n,p)

53-I -129

Cross Section

-99.99 To 9999. %



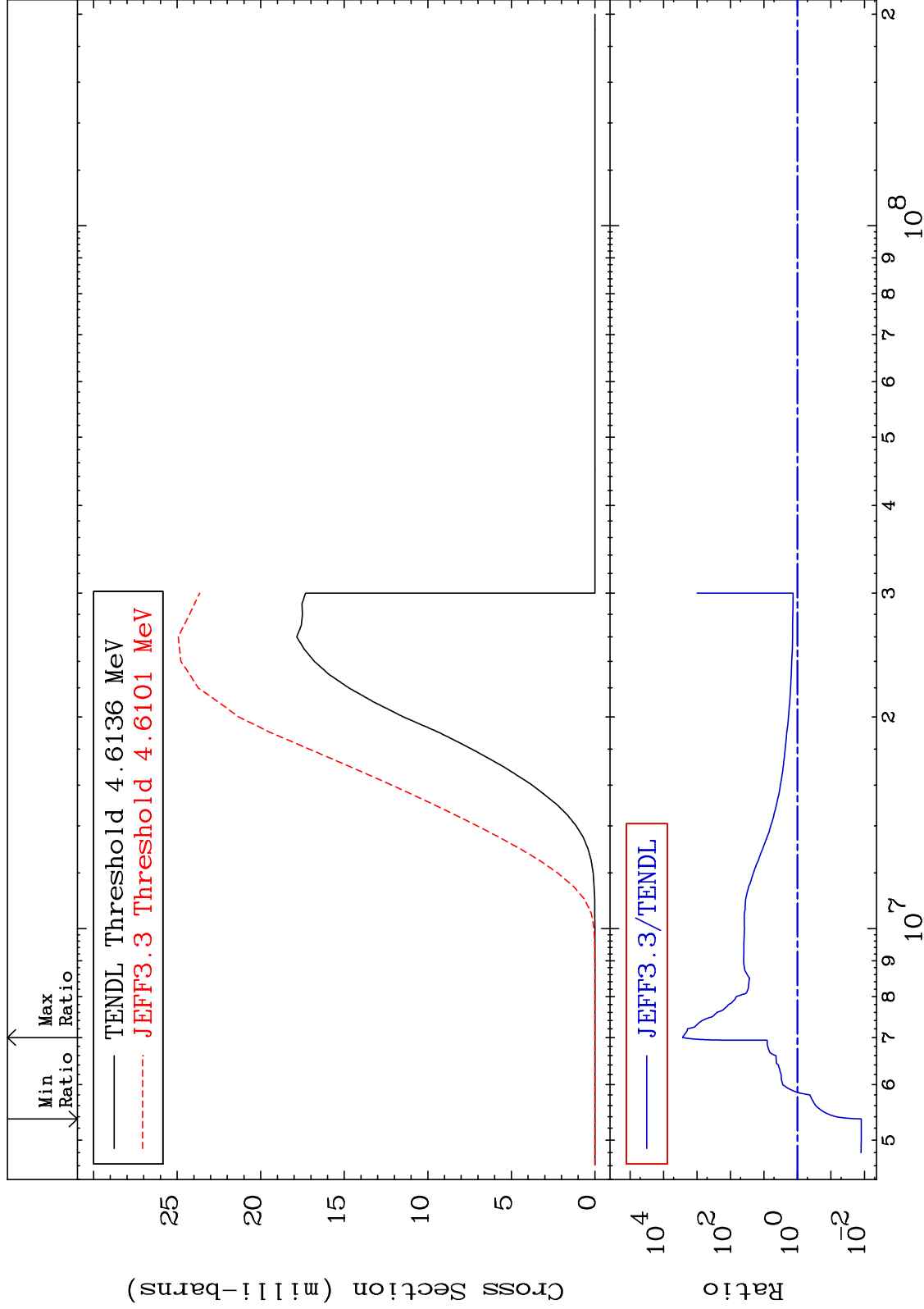
36

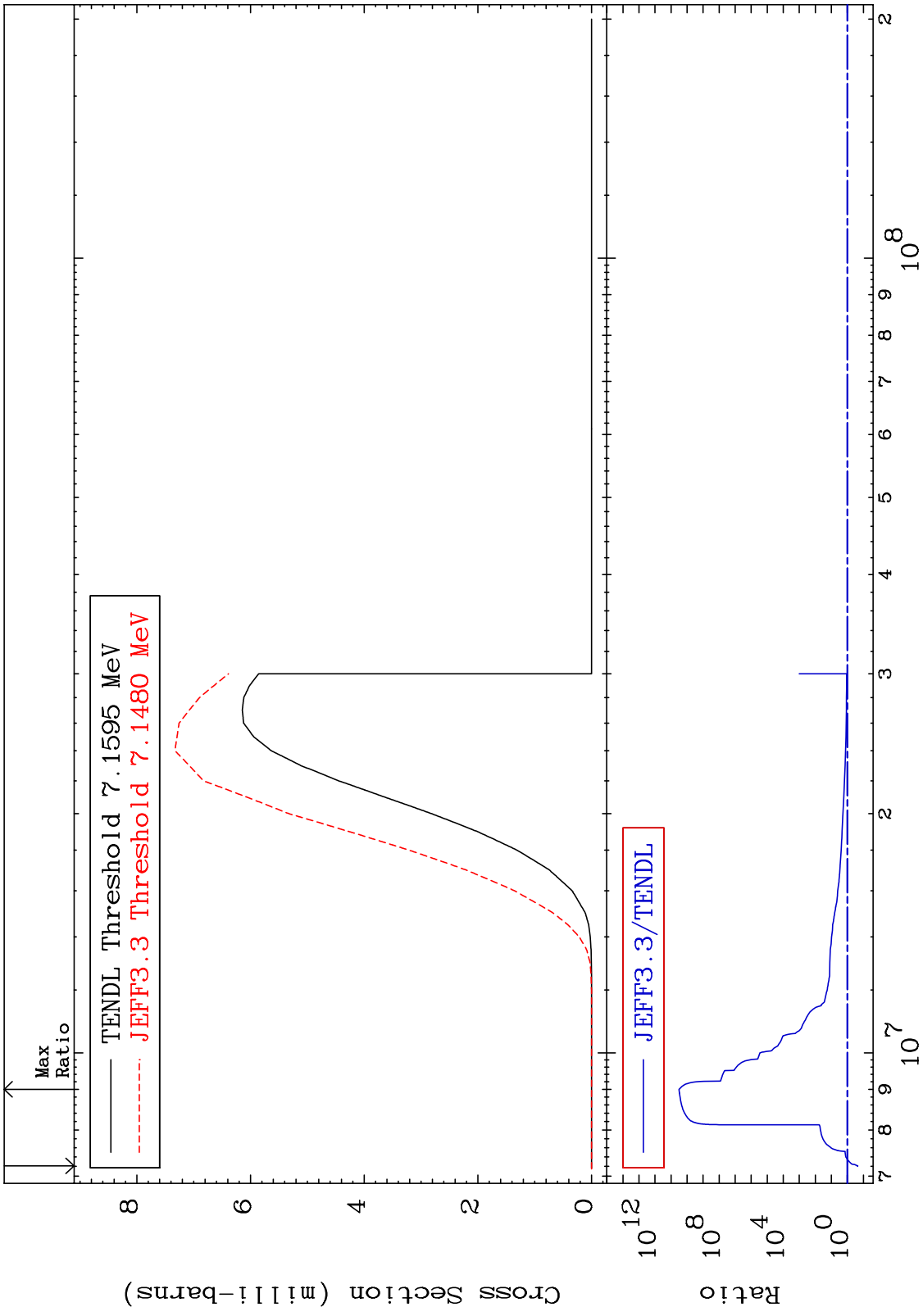
Incident Energy (eV)

53-I -129

Cross Section

-98.76 To 9999. %





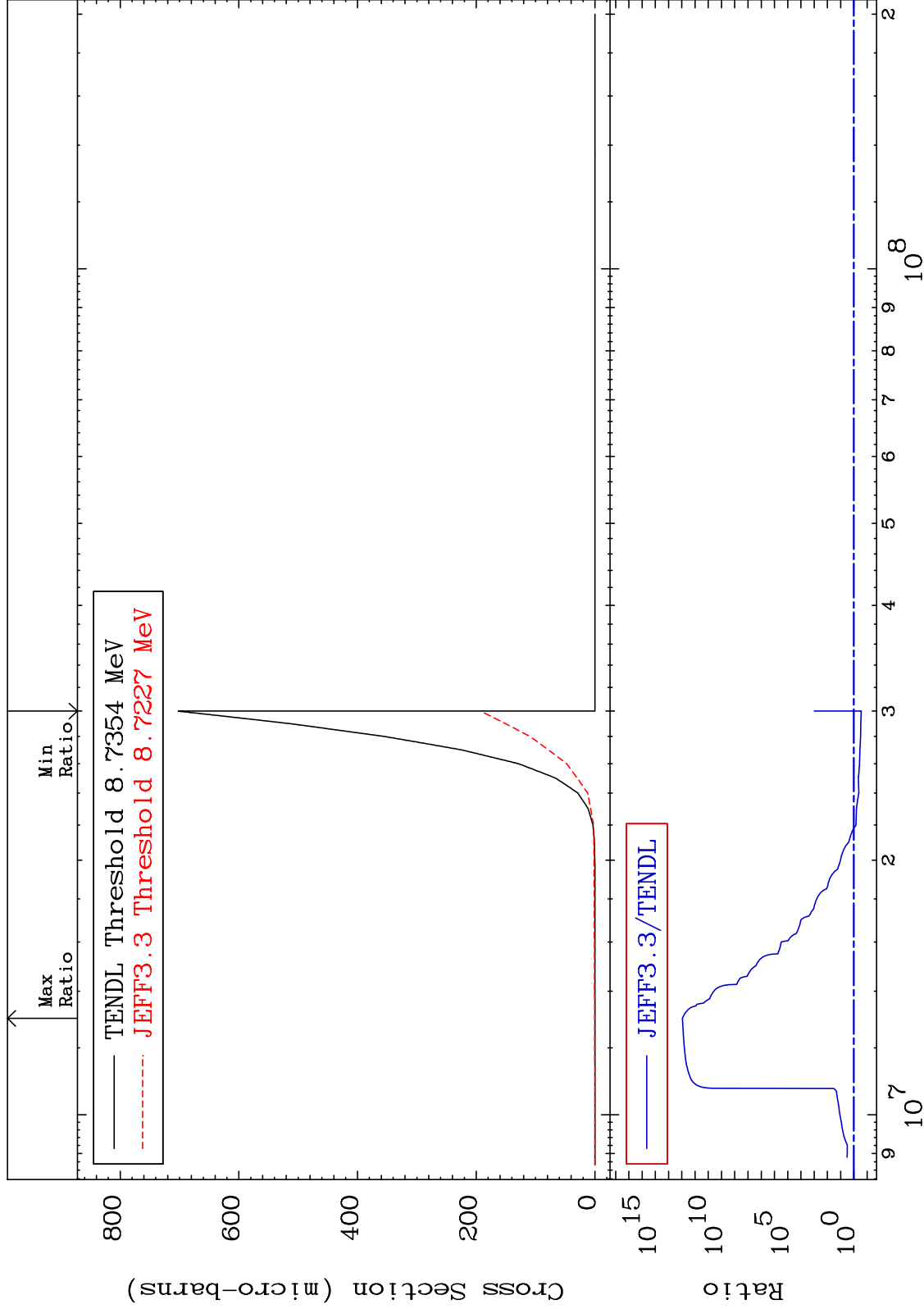
MAT 5331

(n, He-3)

53-I -129

-72.59 To 9999. %

Cross Section



39

Incident Energy (eV)

53-I -129

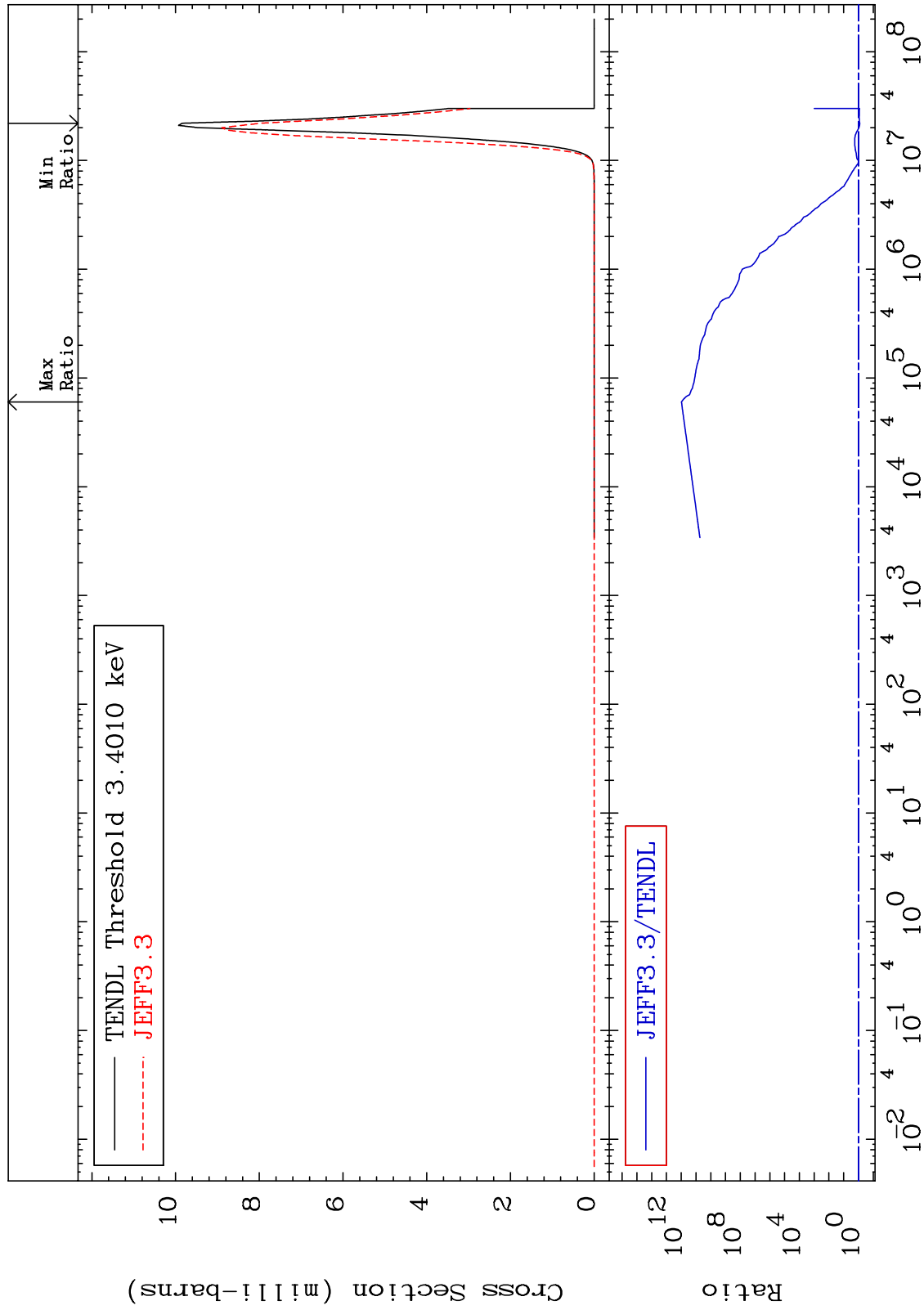
MAT 5331

(n, α)

53-I -129

Cross Section

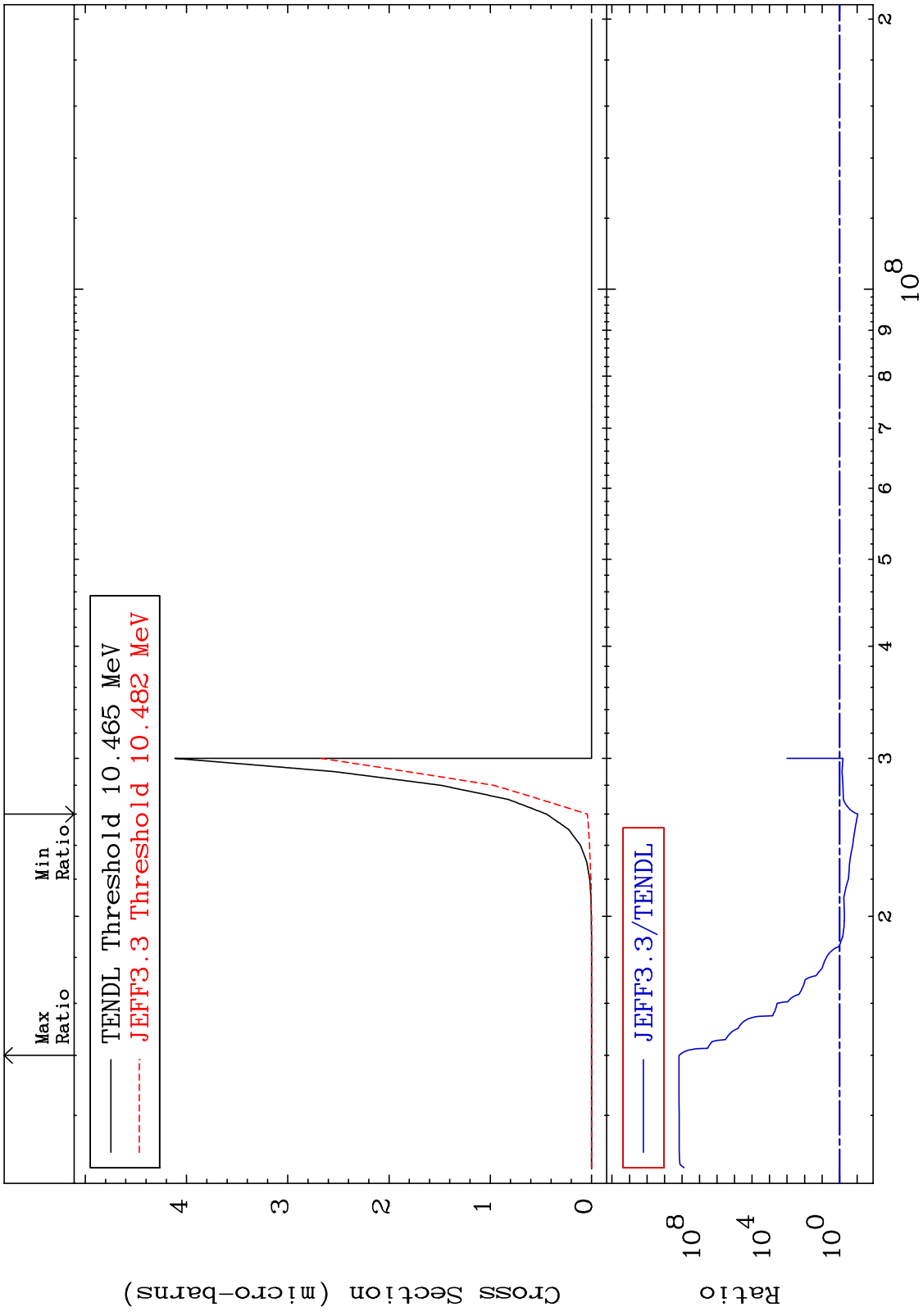
-19.09 To 9999. %



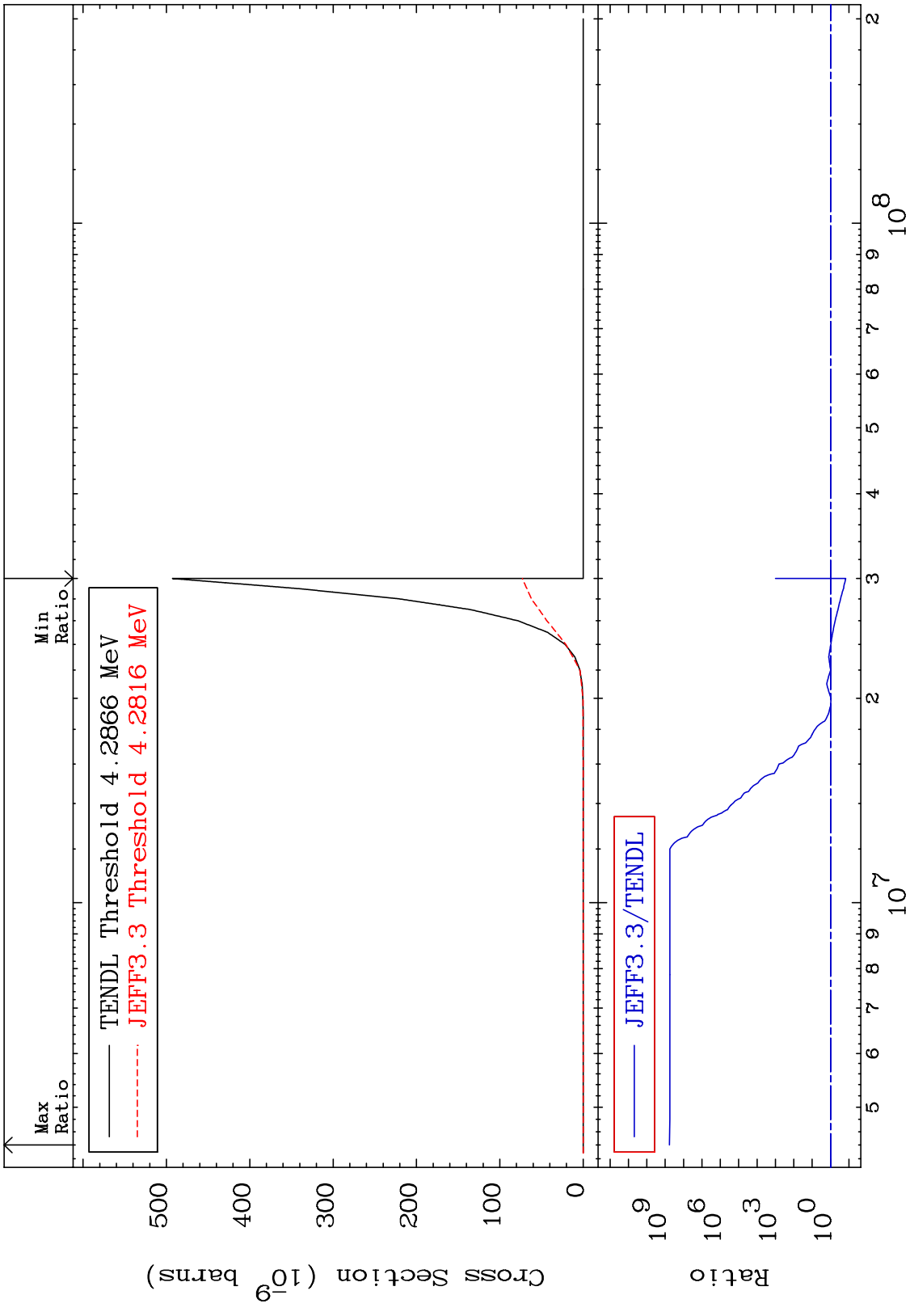
40

Incident Energy (eV)

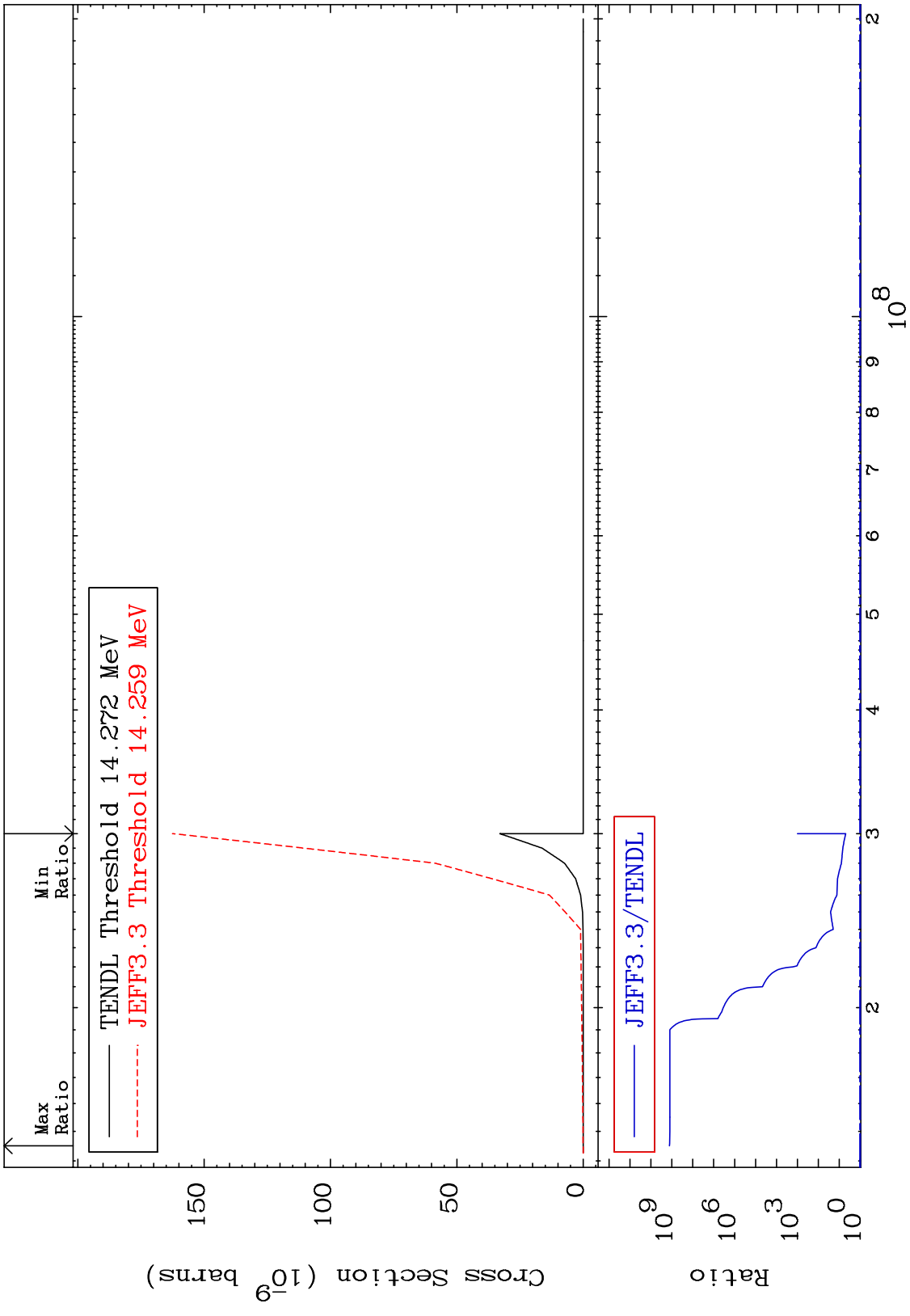
53-I -129

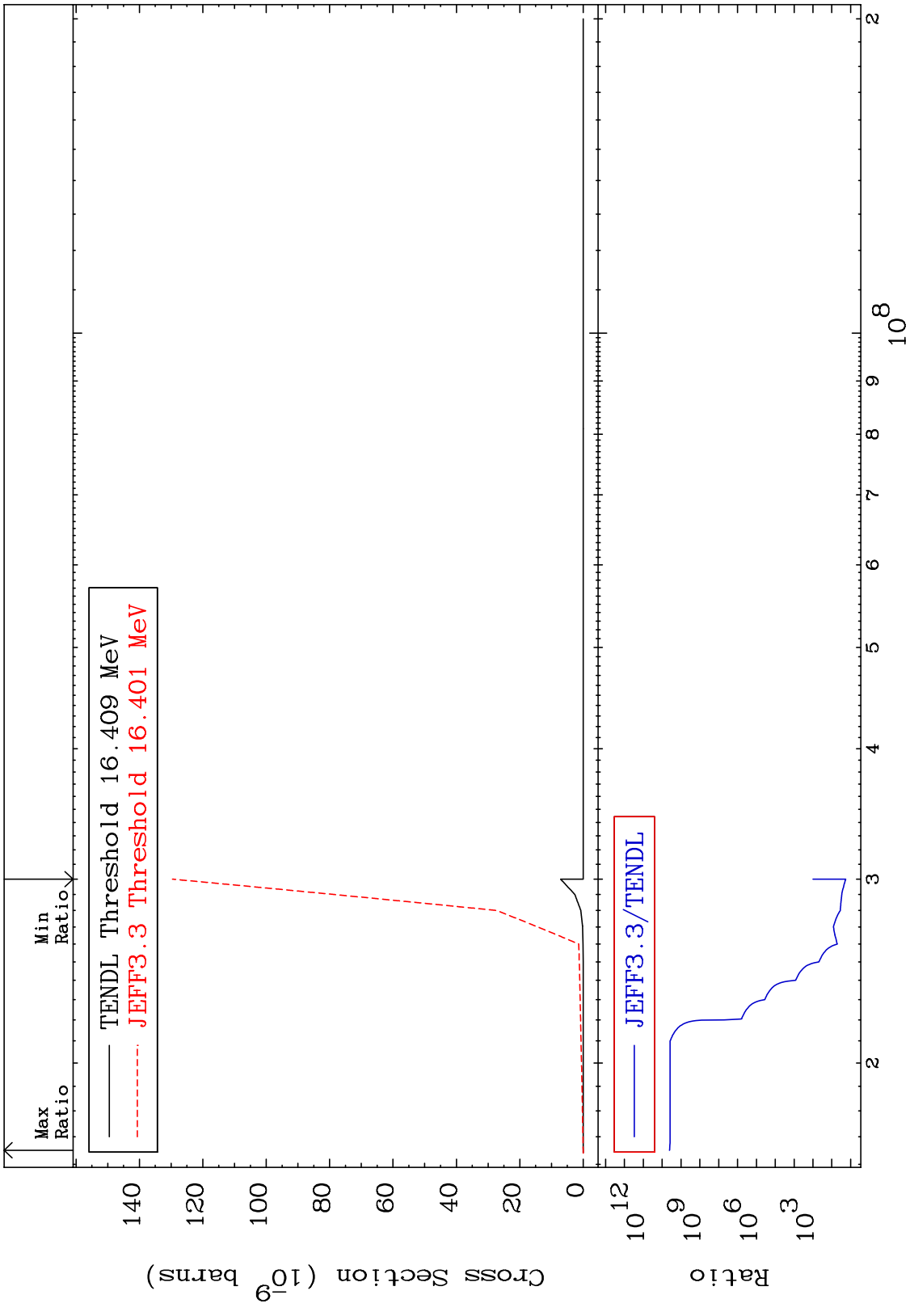


MAT 5331 (n,p) α 53-I -129
 Cross Section -85.19 To 9999. %



MAT 5331 (n,p) d 53-I -129
 Cross Section 392.0 To 9999. %





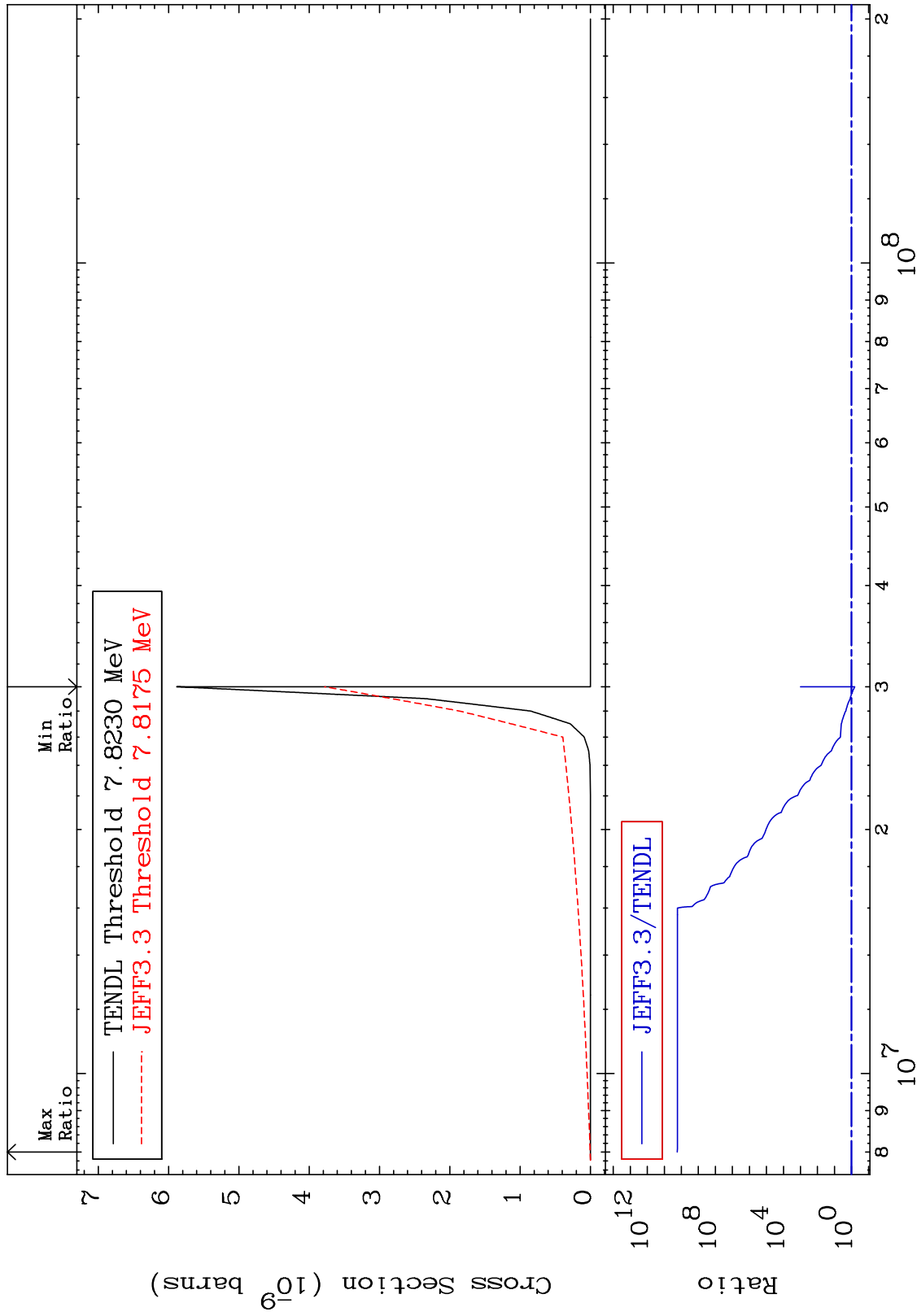
MAT 5331

(n,d) α

53-I -129

-35.71 To 9999. %

Cross Section



45

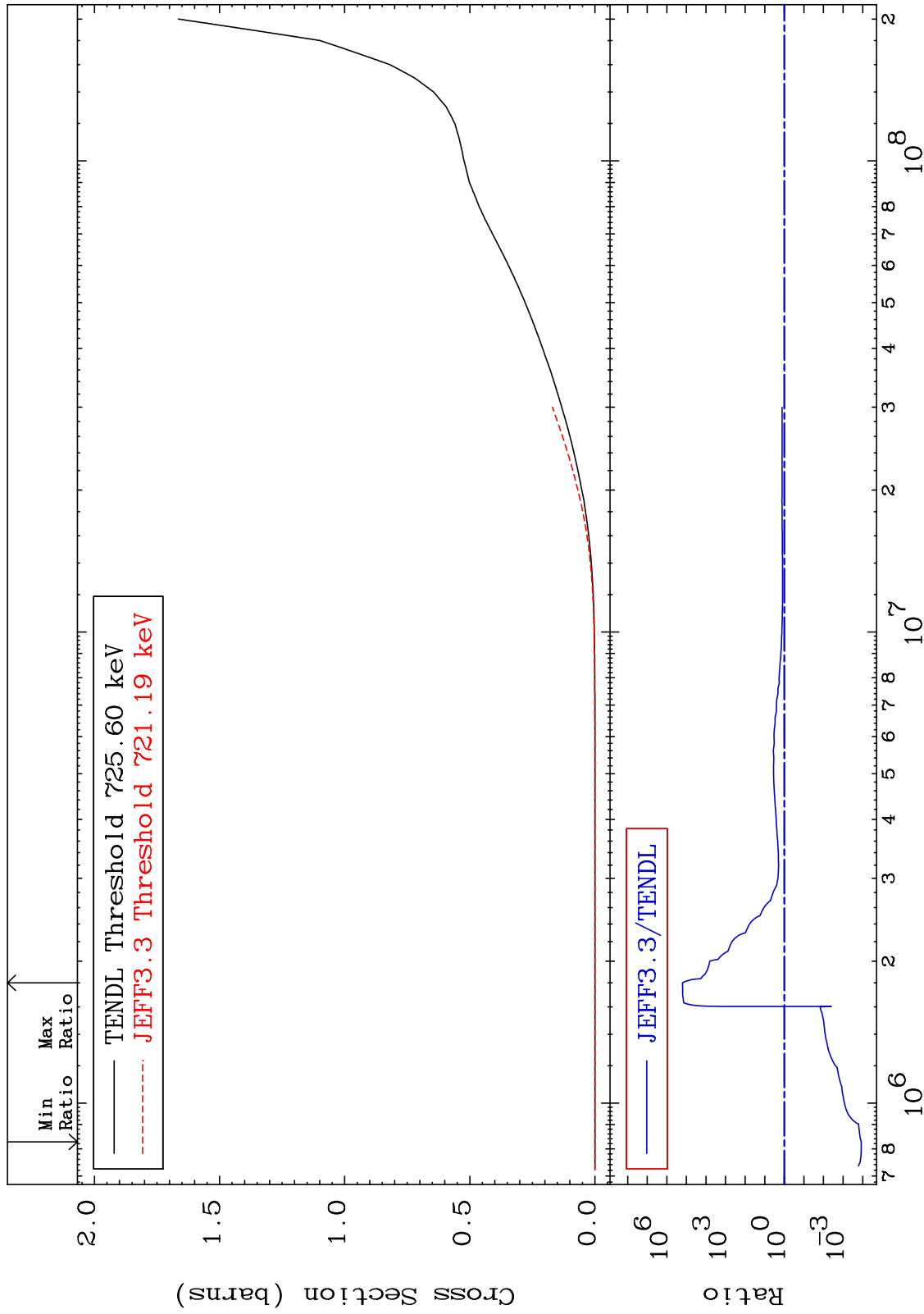
Incident Energy (eV)

53-I -129

MAT 5331

Hydrogen Production
Cross Section

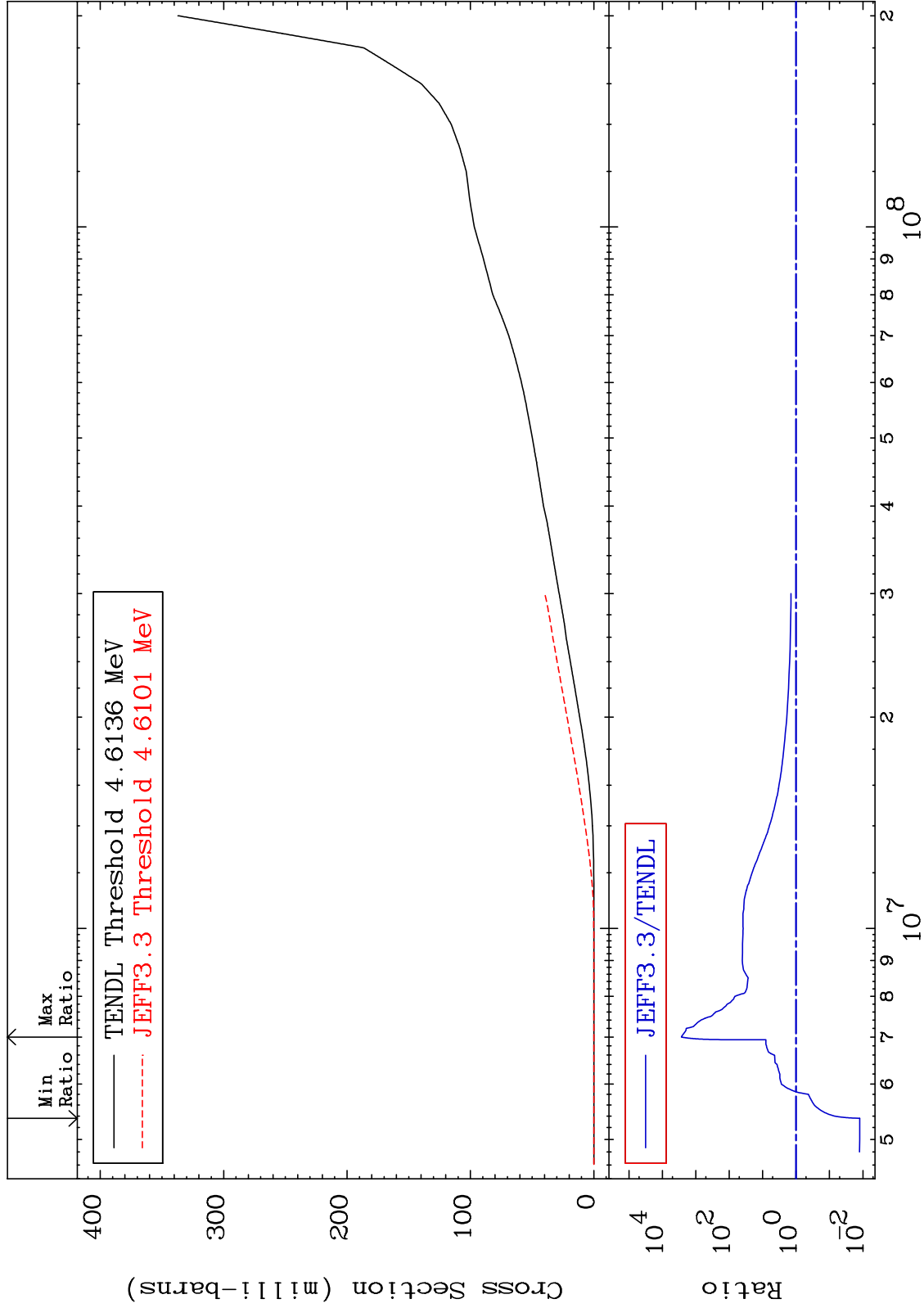
53-I -129
-99.99 To 9999. %



MAT 5331

Deuterium Production
Cross Section

53-I -129
-98.76 To 9999. %



47

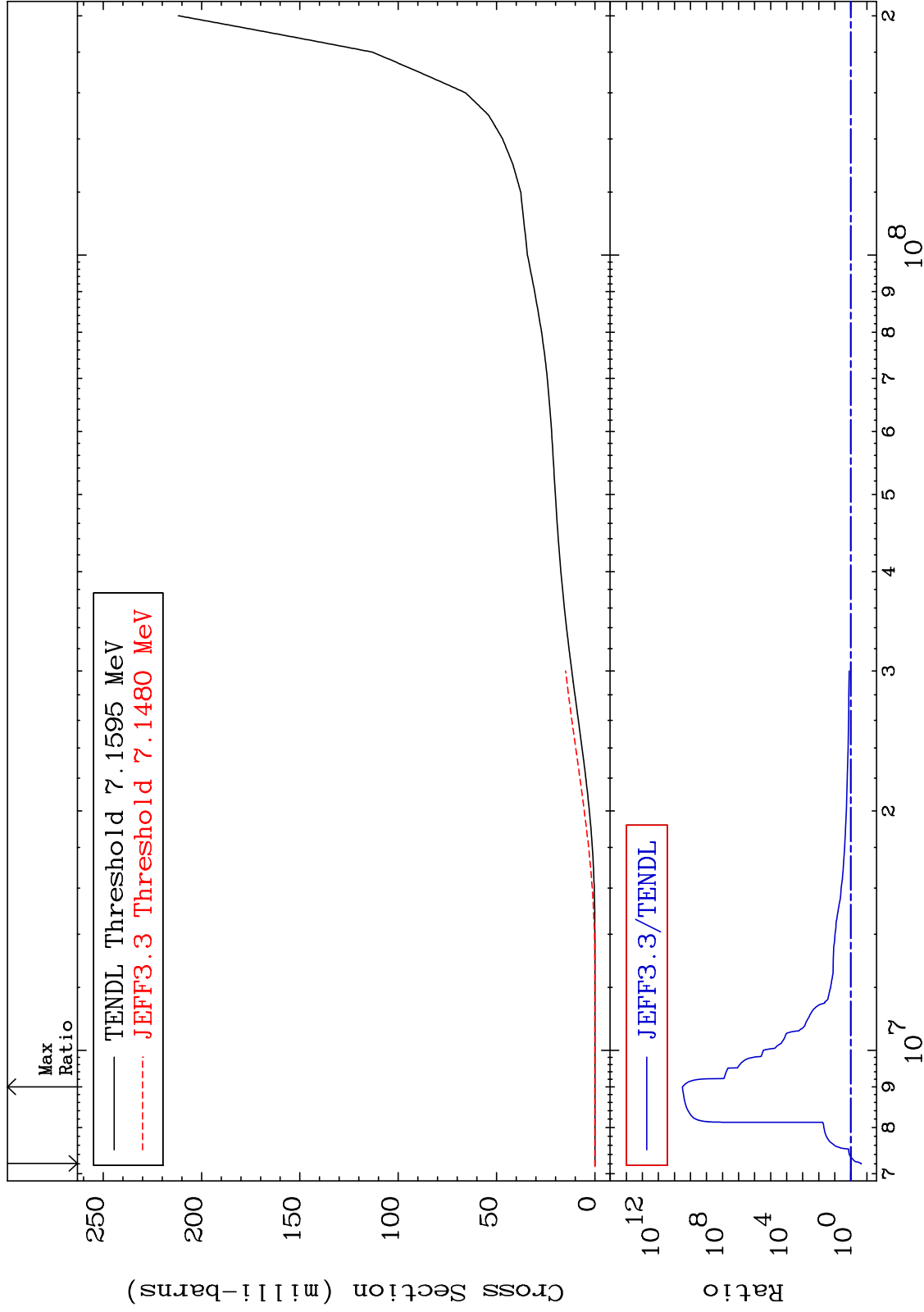
Incident Energy (eV)

53-I -129

MAT 5331

Tritium Production Cross Section

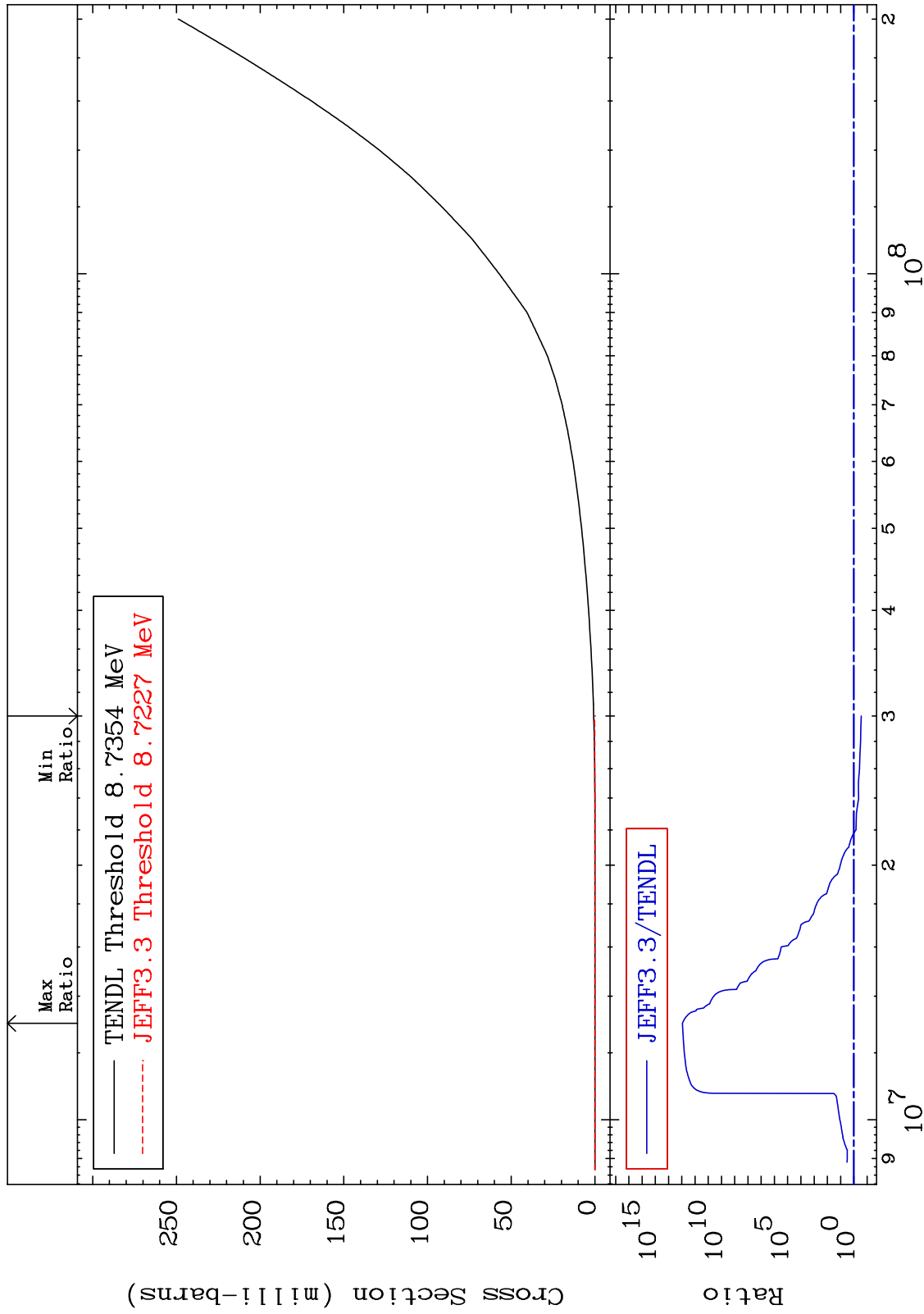
53-I -129
-77.84 To 9999. %



MAT 5331

He-3 Production
Cross Section

53-I -129
-72.74 To 9999. %



49

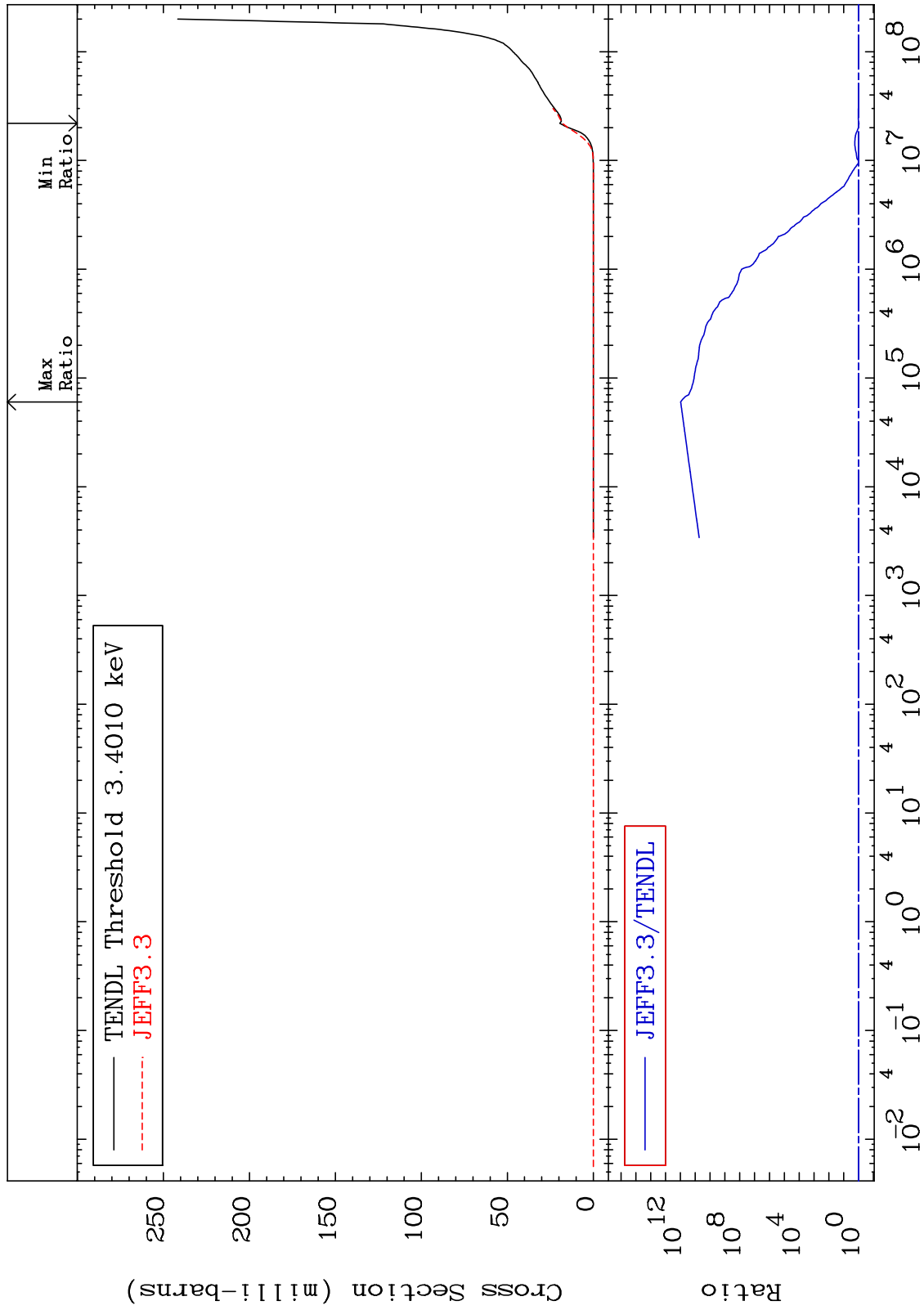
Incident Energy (eV)

53-I -129

MAT 5331

He-4 Production
Cross Section

53-I -129
-7.333 To 9999. %

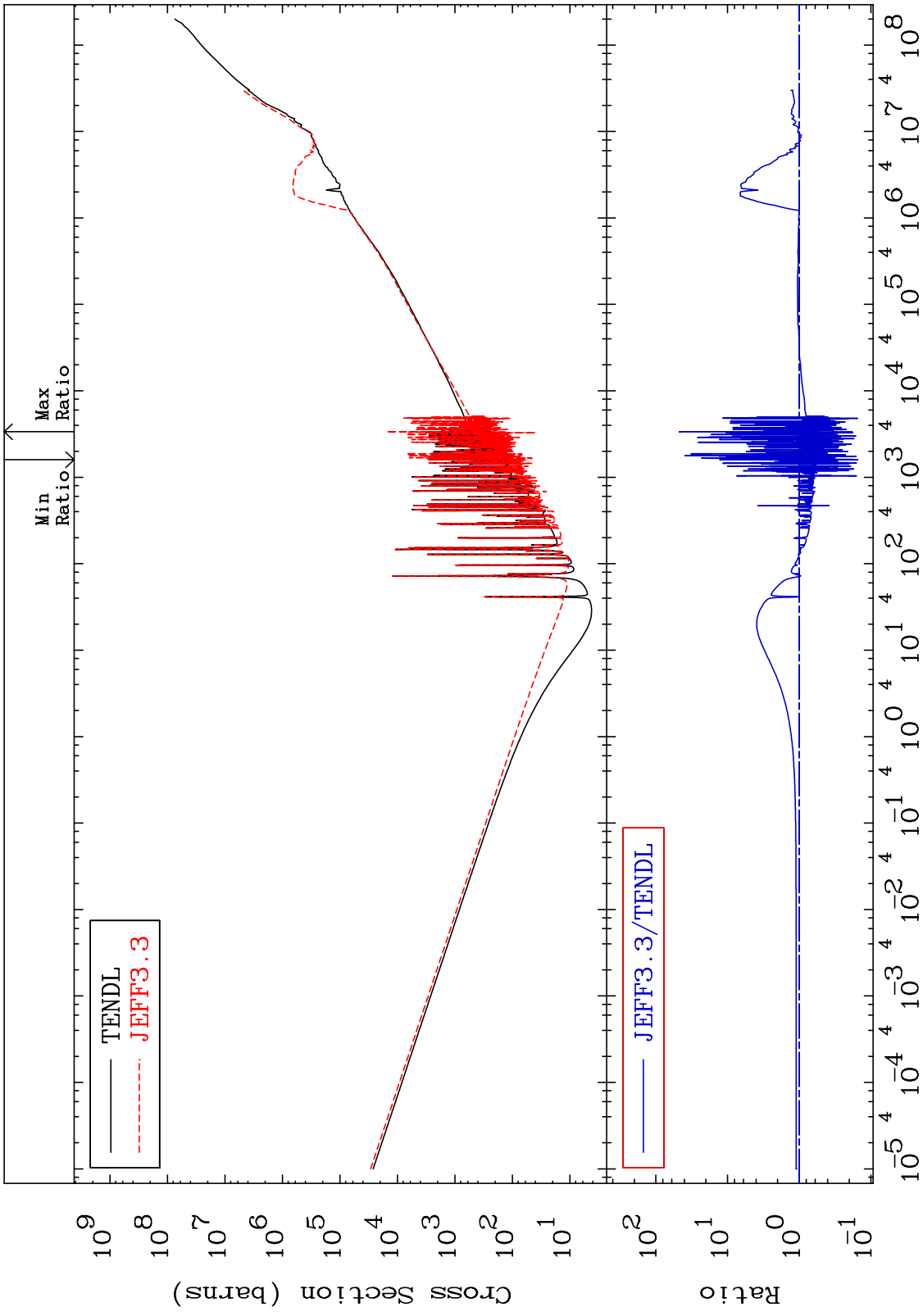


50

Incident Energy (eV)

53-I -129

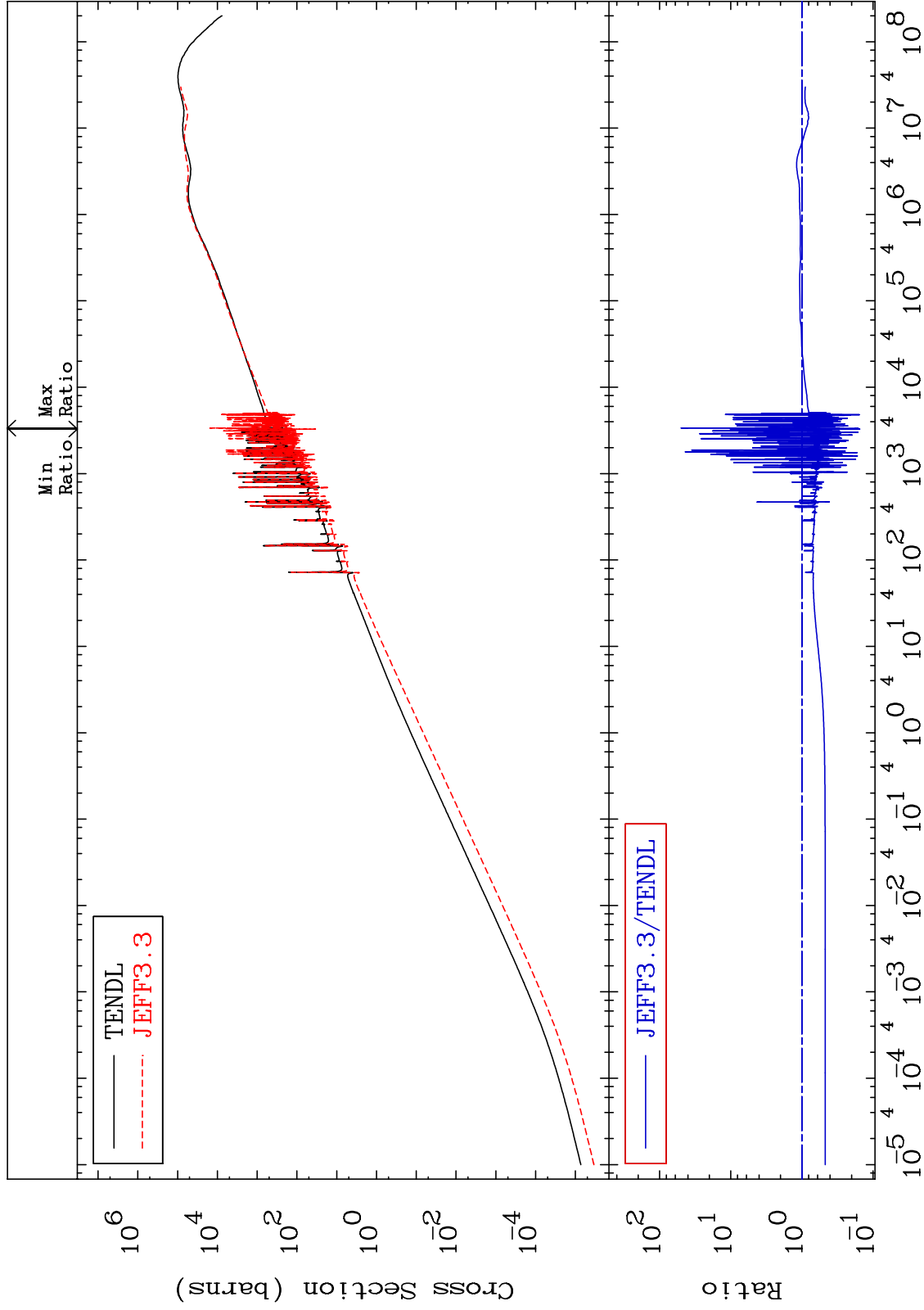
MAT 5331 Kerma total (eV-barns) 53-I -129
 Cross Section -84.80 To 4648. %



MAT 5331

Kerma elastic
Cross Section

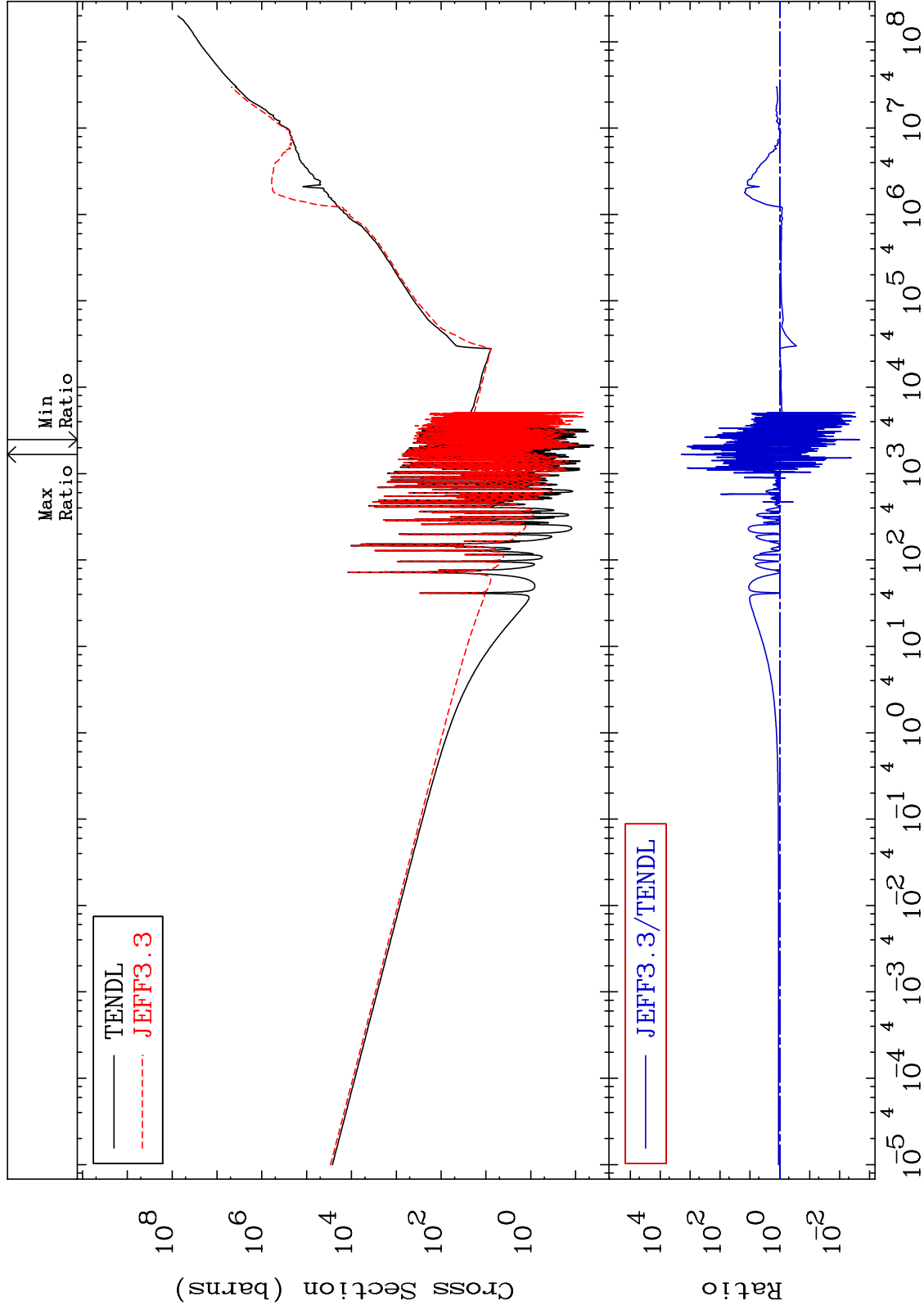
53-I -129
-84.67 To 4854. %



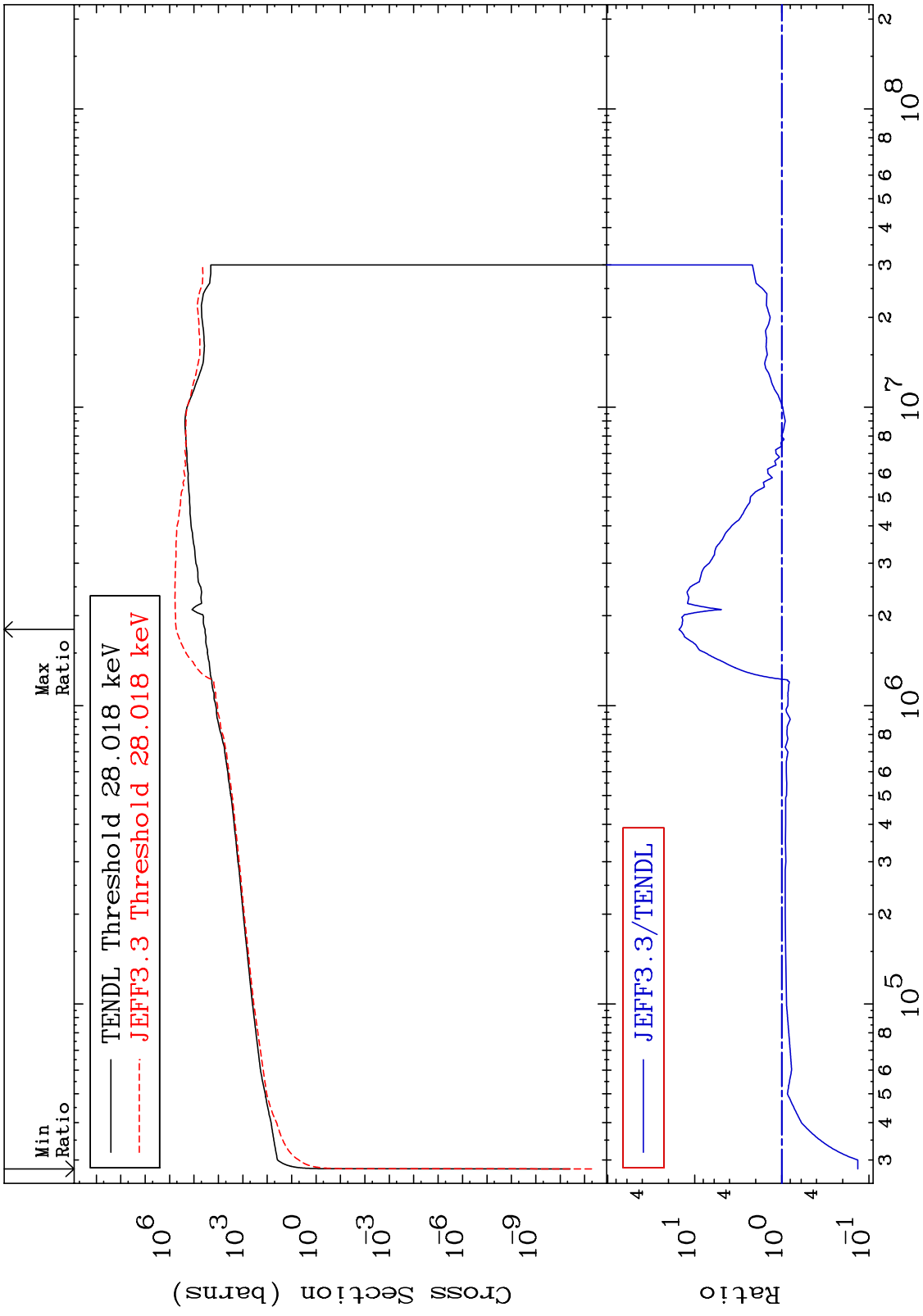
MAT 5331

Kerma non-elastic (all but mt2)
Cross Section

53-I -129
-99.79 To 9999. %



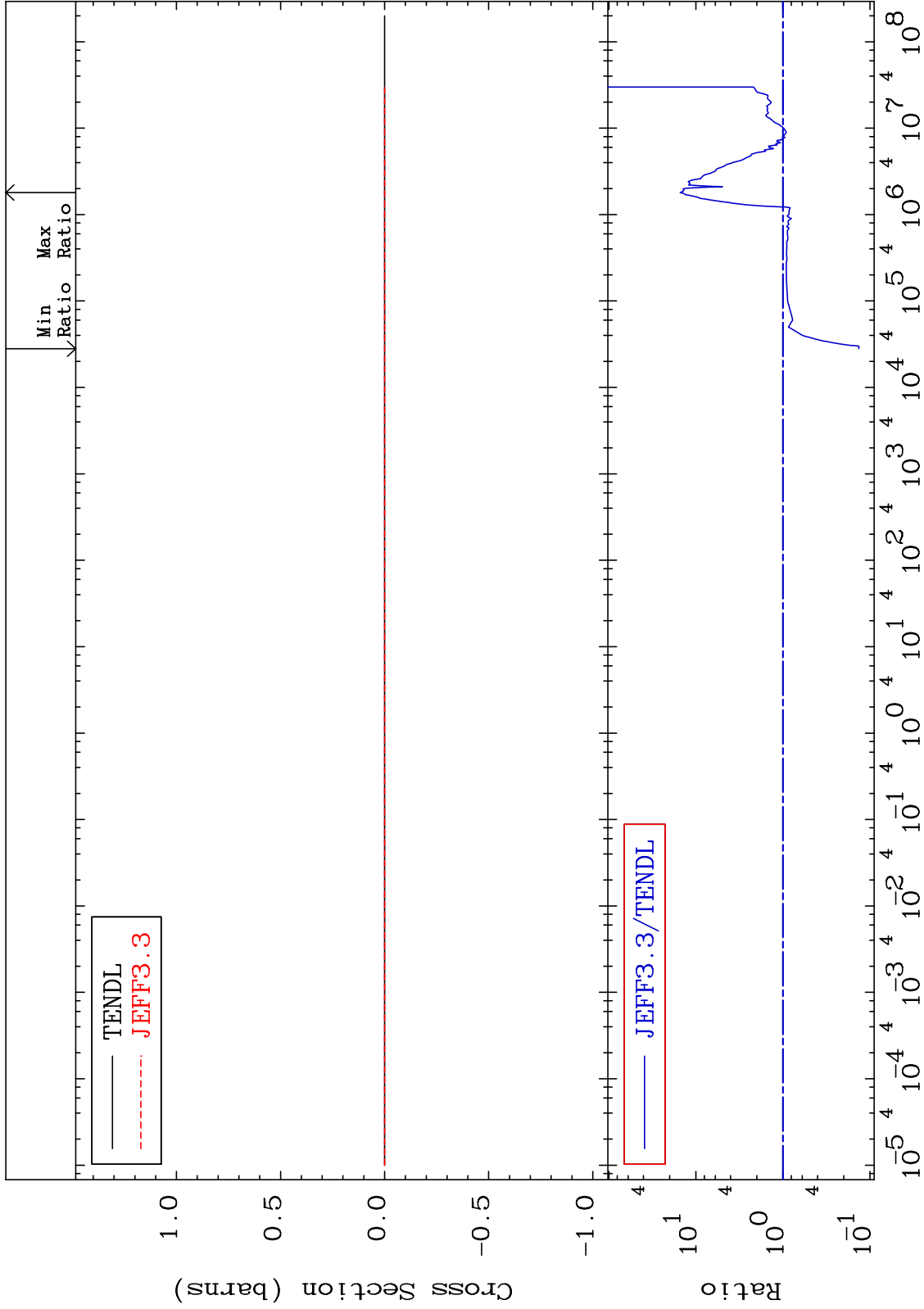
MAT 5331 Kerma inelastic (mt51-91) 53-I -129
 Cross Section -86.60 To 1415. %



MAT 5331

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

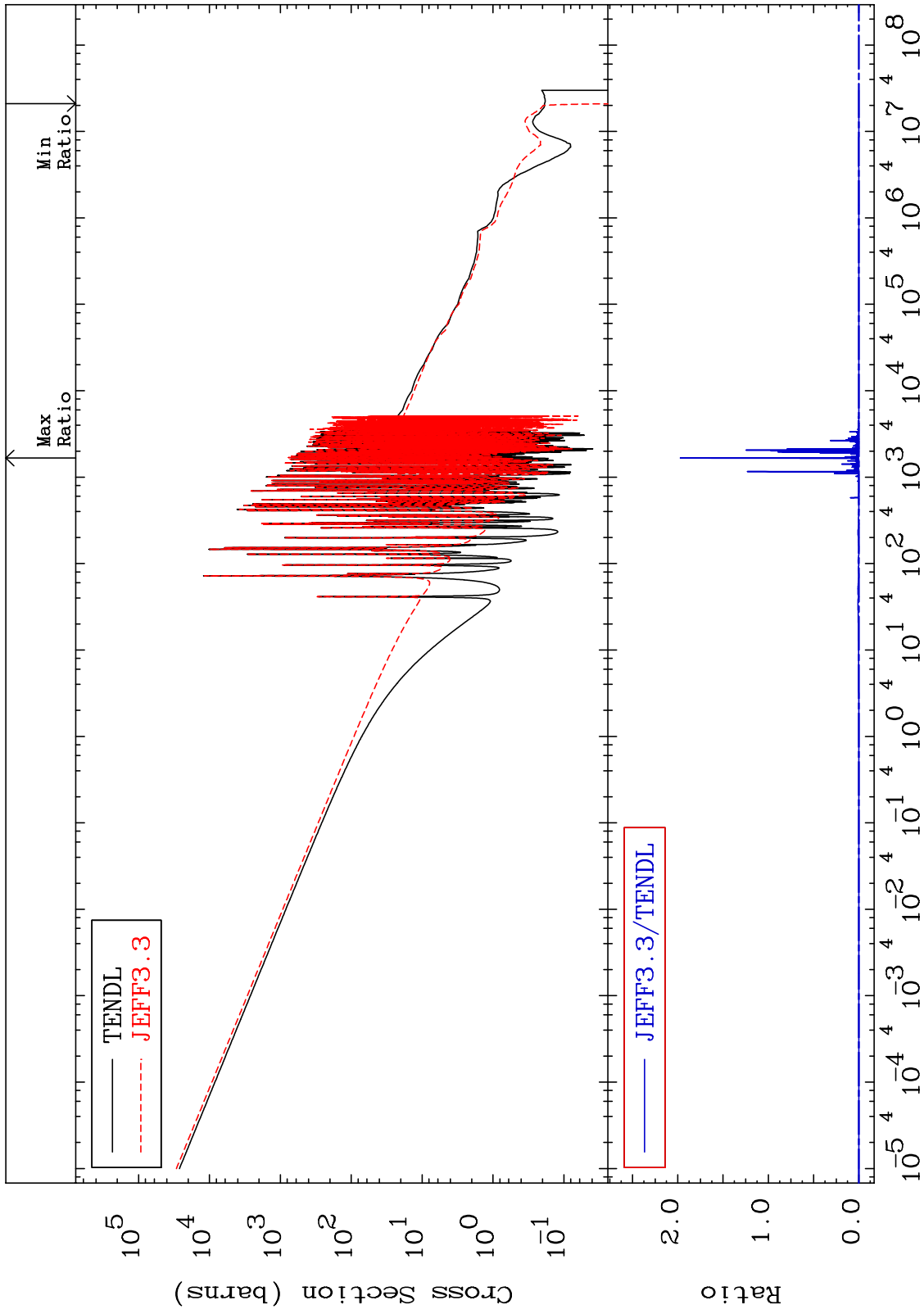
53-I -129
-86.60 To 1415. %



MAT 5331

Kerma capture (mt102)
Cross Section

53-I -129
-100.0 To 9999. %



56

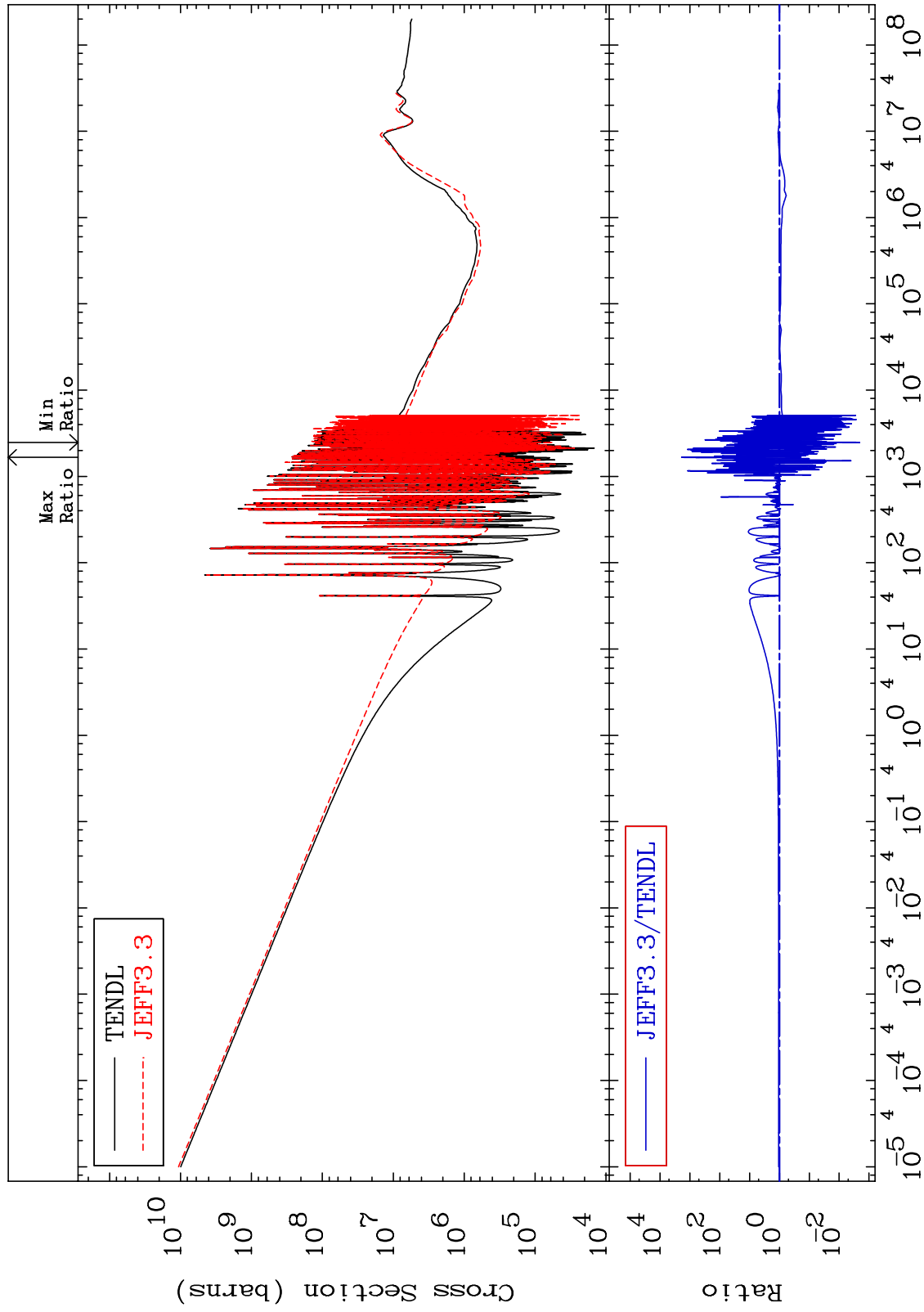
Incident Energy (eV)

53-I -129

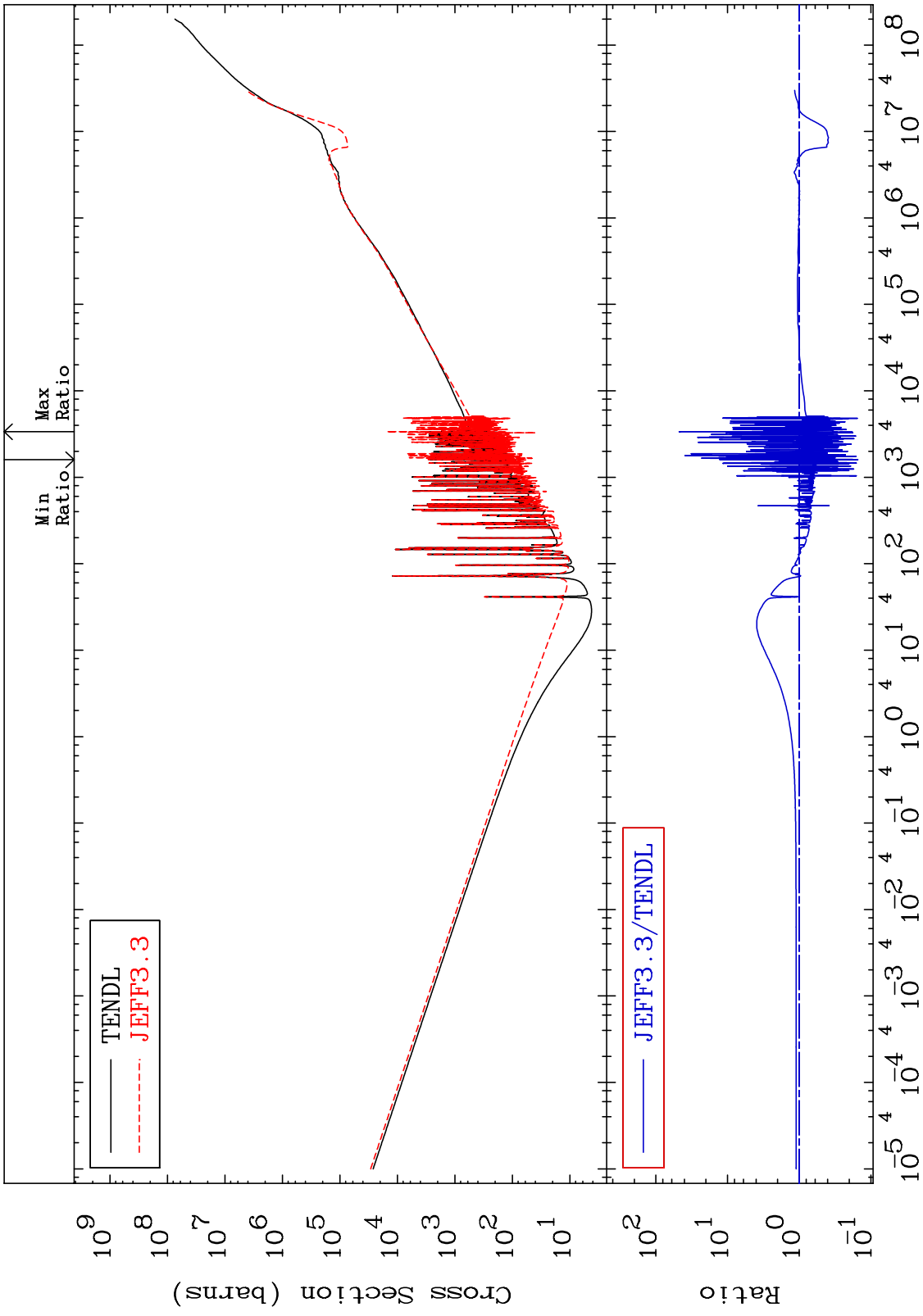
MAT 5331

Total photon (eV-barns)
Cross Section

53-I -129
-99.80 To 9999. %



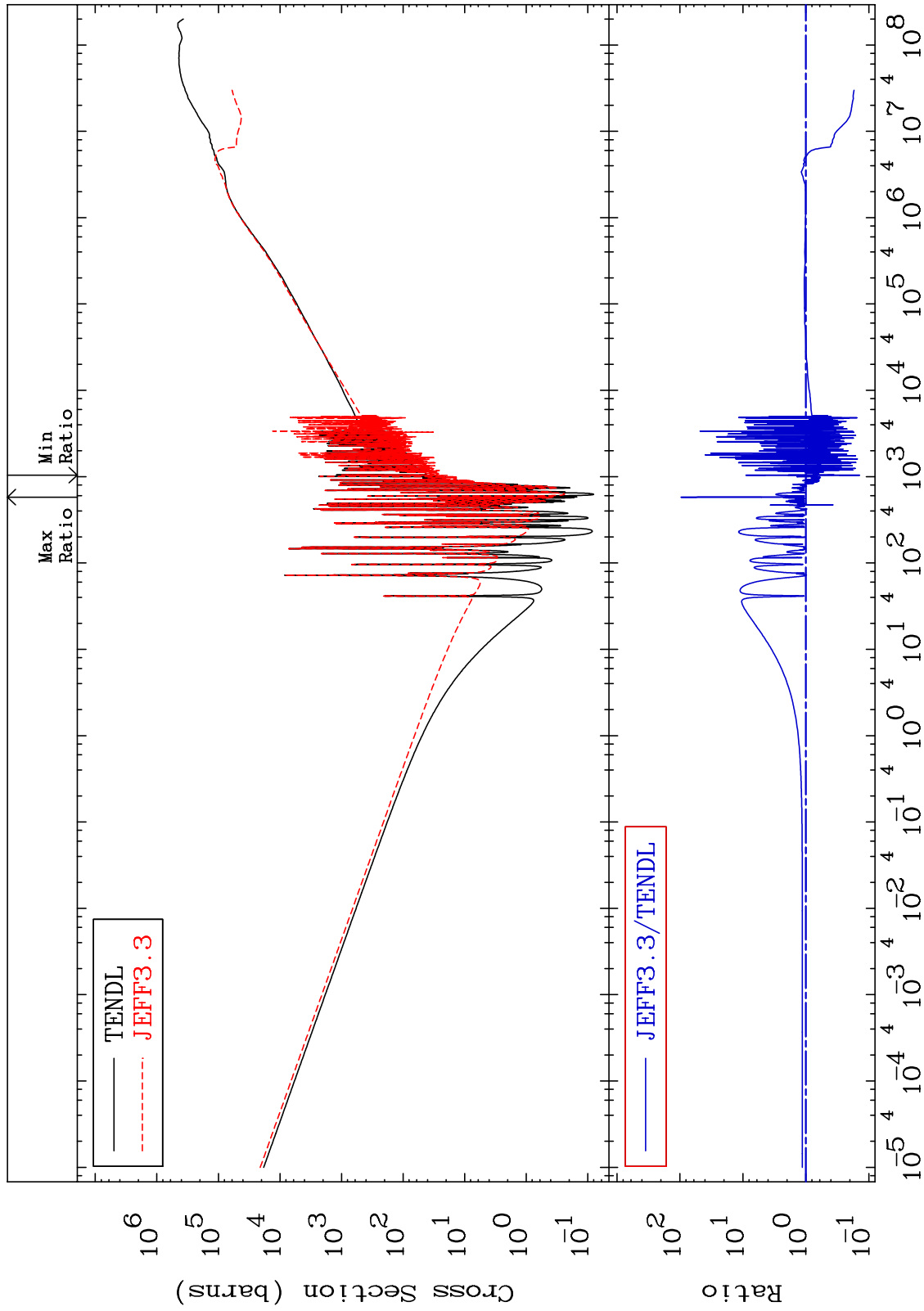
MAT 5331 Total kinematic kerma (high limit) 53-I -129
Cross Section -84.80 To 4648. %



MAT 5331

Dpa total (eV-barns)
Cross Section

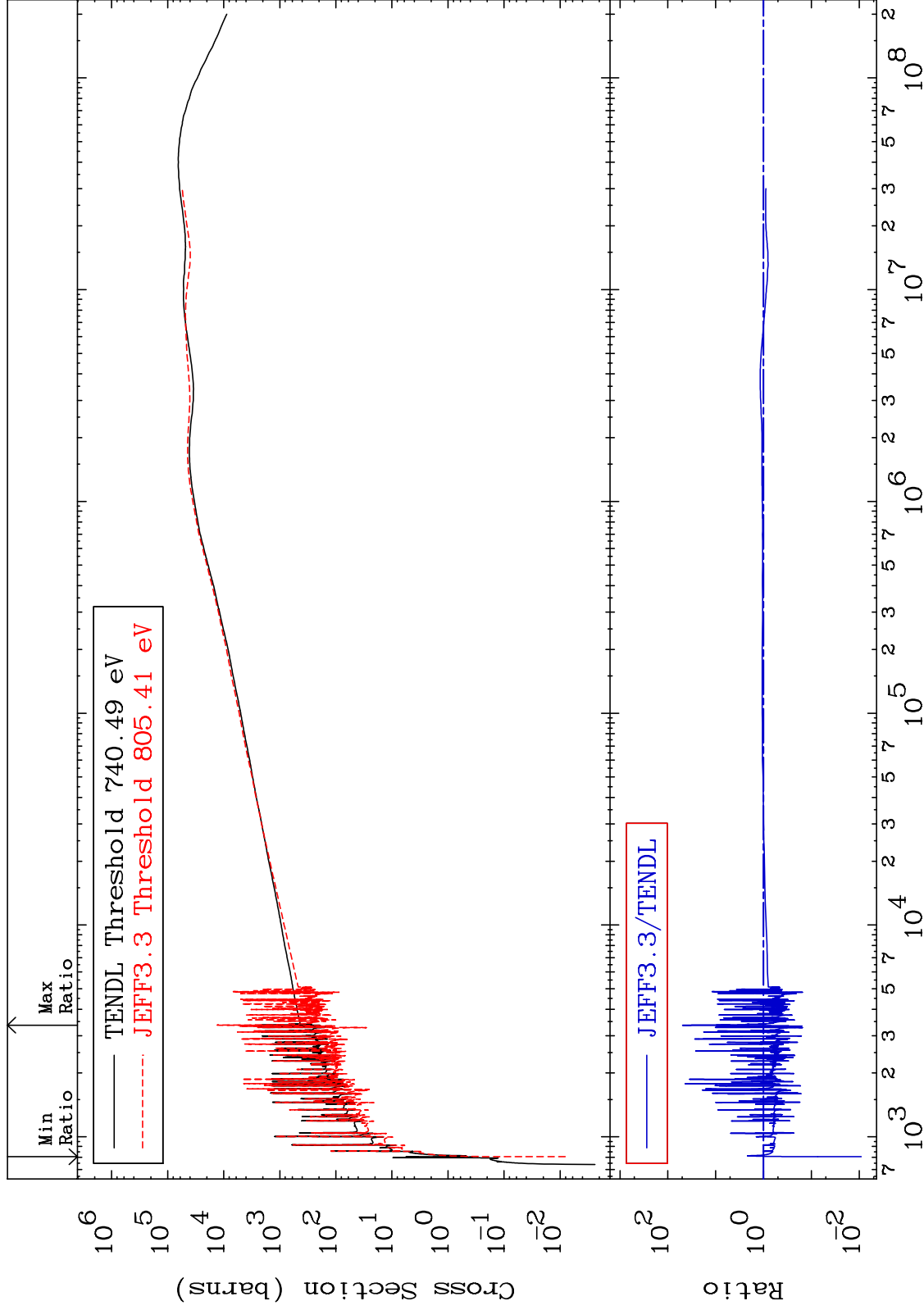
53-I -129
-86.04 To 9424. %



MAT 5331

Dpa elastic (mt2)
Cross Section

53-I -129
-99.09 To 4851. %



60

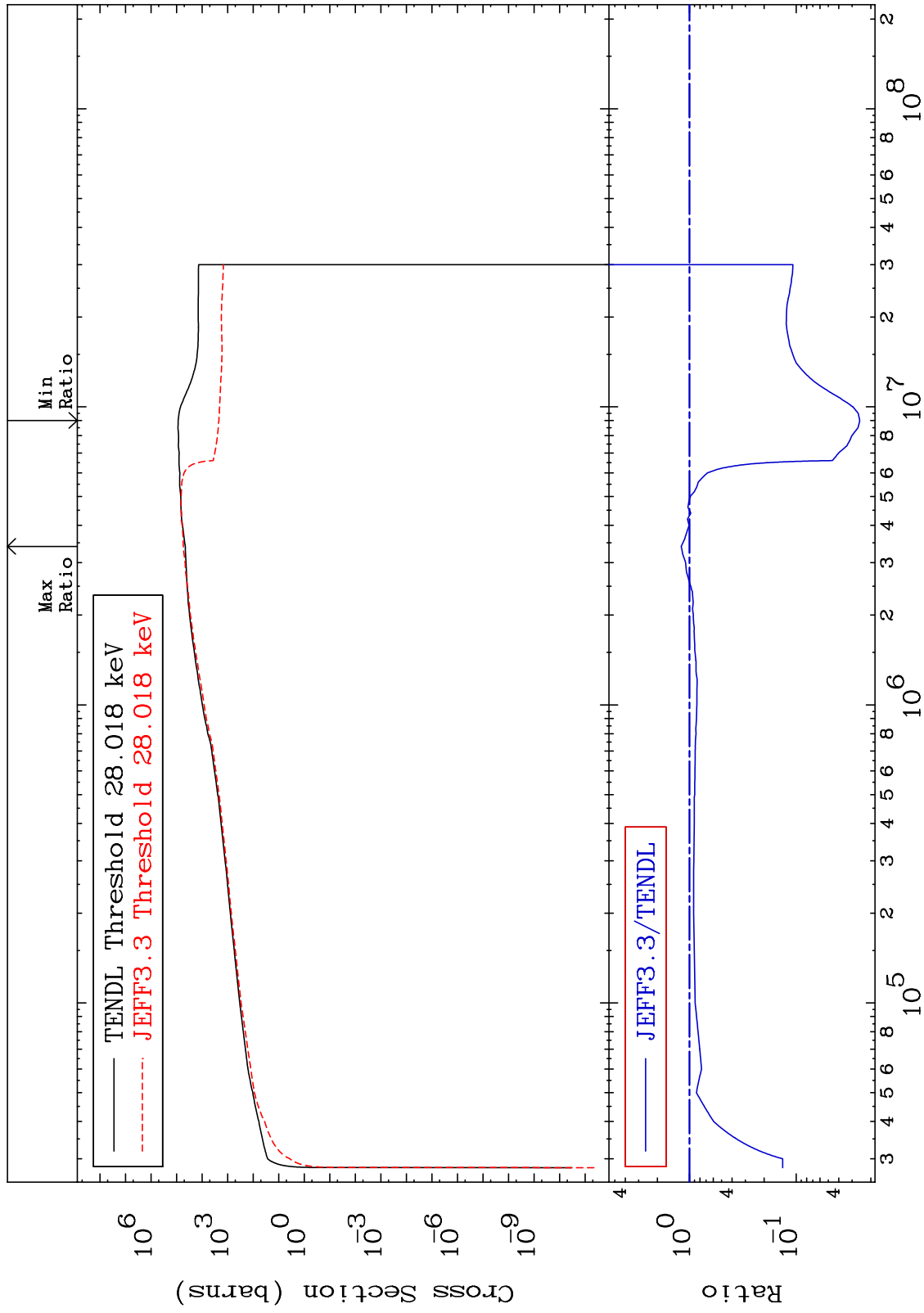
Incident Energy (eV)

53-I -129

MAT 5331

Dpa inelastic (mt51-91)
Cross Section

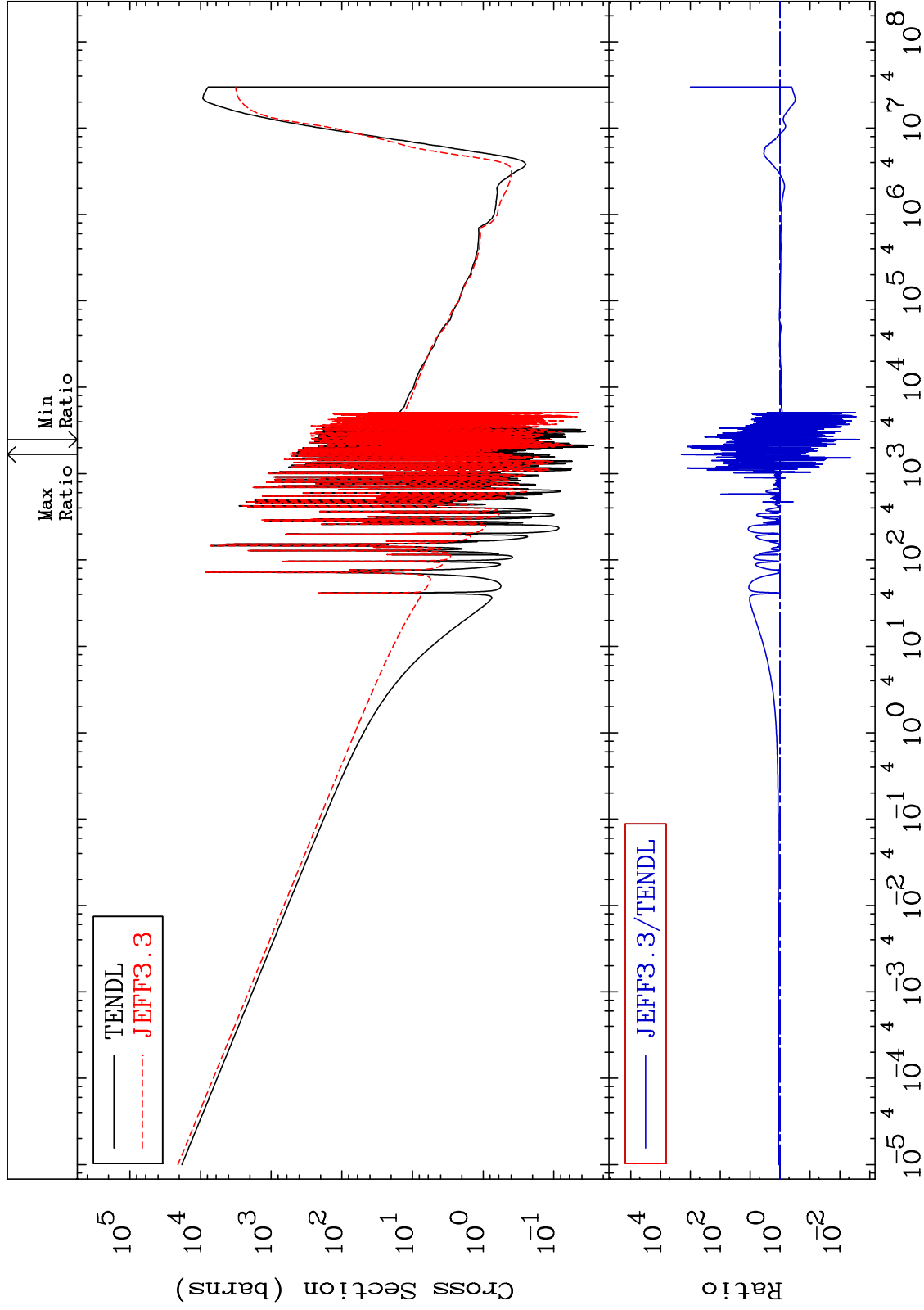
53-I -129
-97.46 To 19.52 %



MAT 5331

Dpa disappearance (mt102 -120)
Cross Section

53-I -129
-99.78 To 9999. %

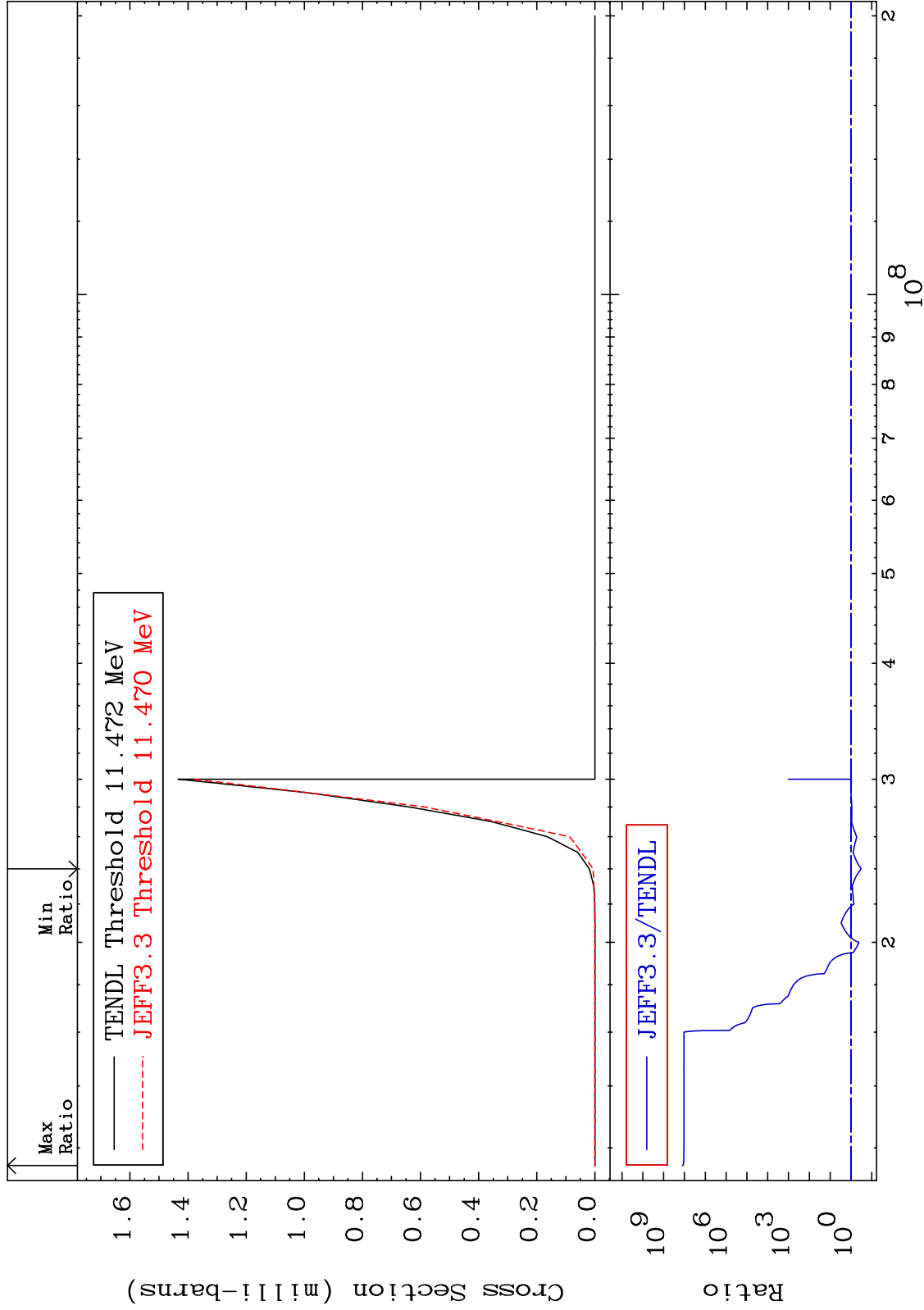


MAT 5331

(n,2n) α :51-Sb-124g

53-I -129

Radionuclide Production Cross Section -68.00 To 9999. %



63

Incident Energy (eV)

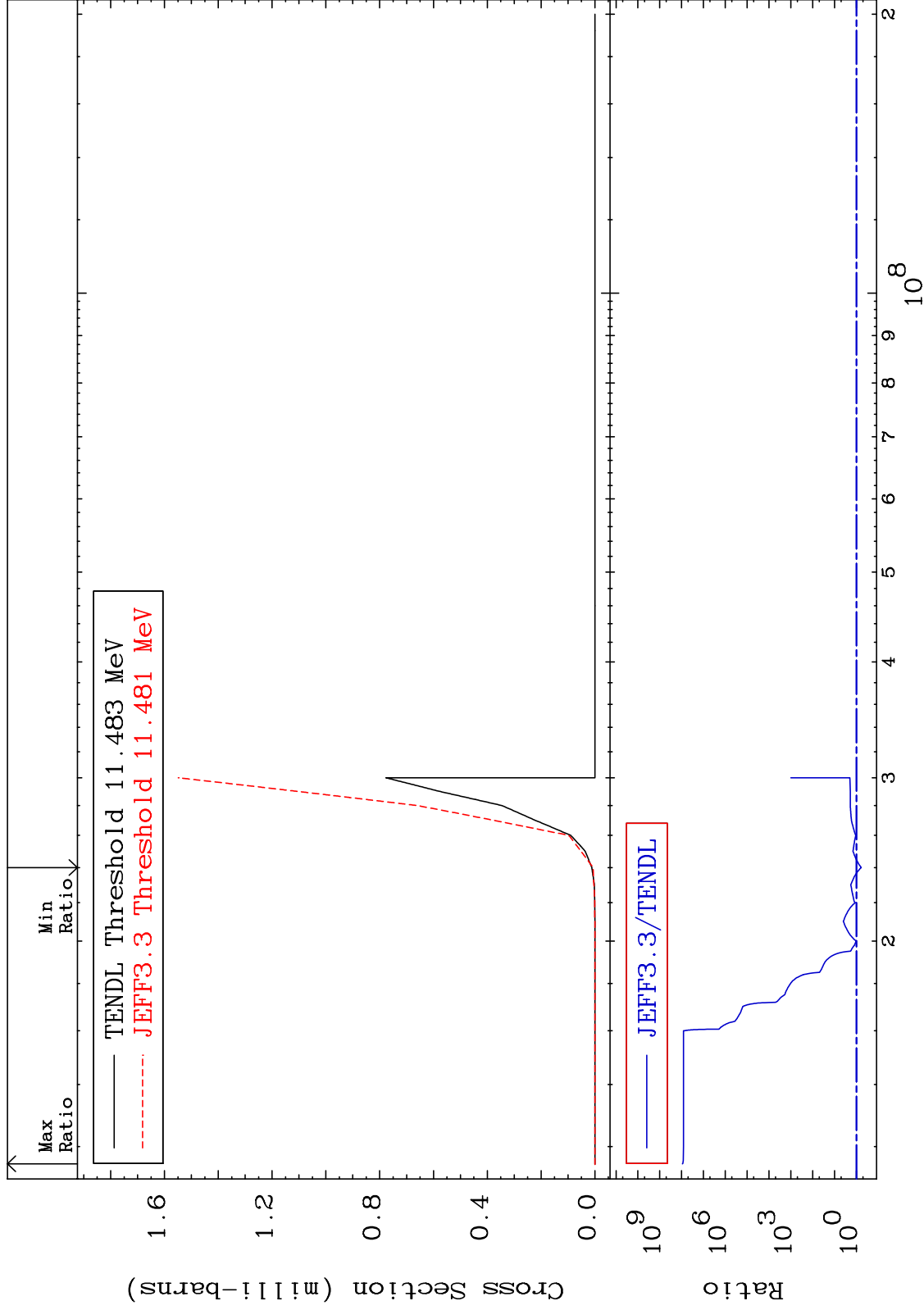
53-I -129

MAT 5331

(n,2n) α :51-Sb-124m1

53-I -129

Radionuclide Production Cross Section -40.34 To 9999. %

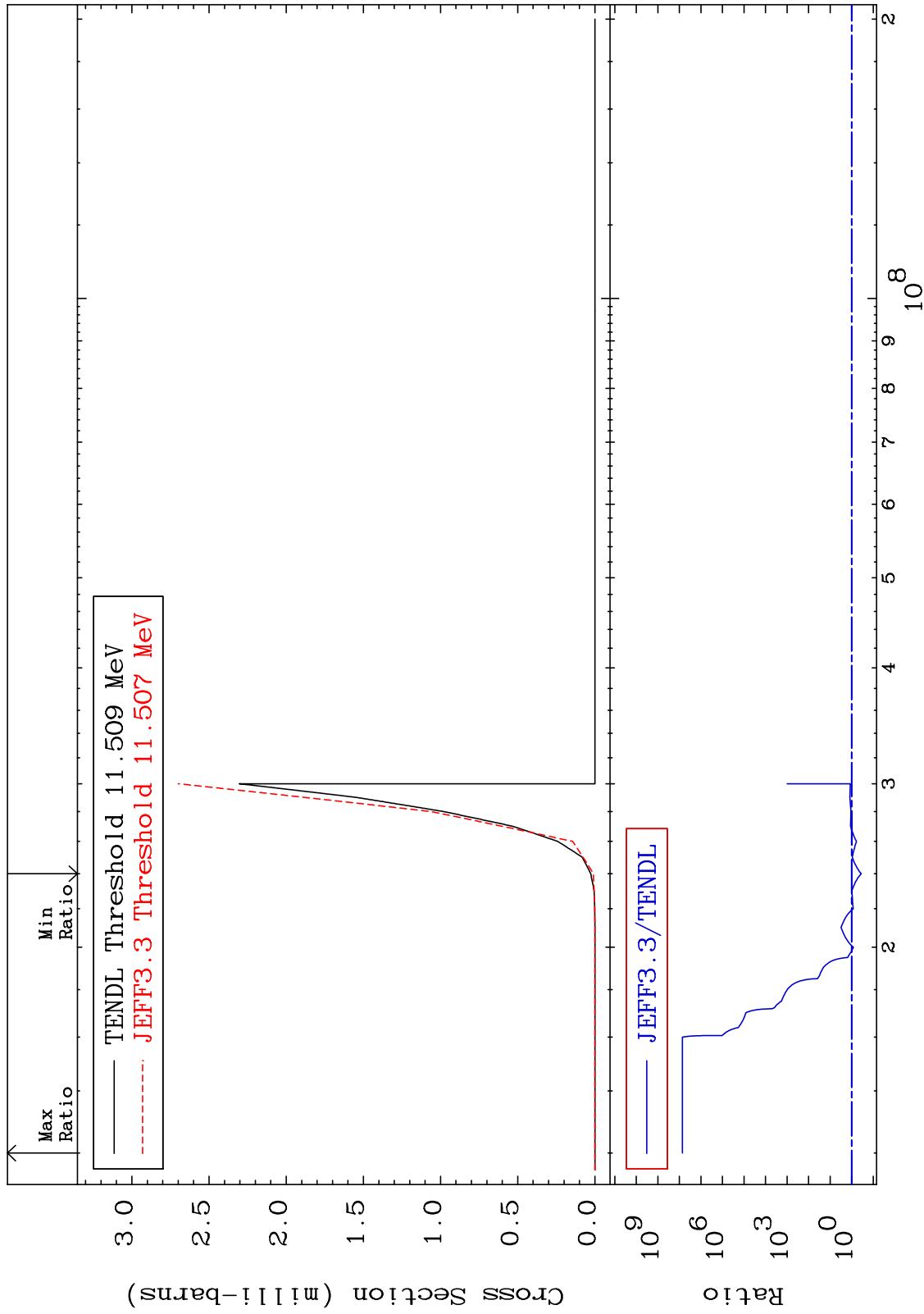


MAT 5331

(n,2n) α :51-Sb-124m2

53-I -129

Radionuclide Production Cross Section -64.07 To 9999. %



65

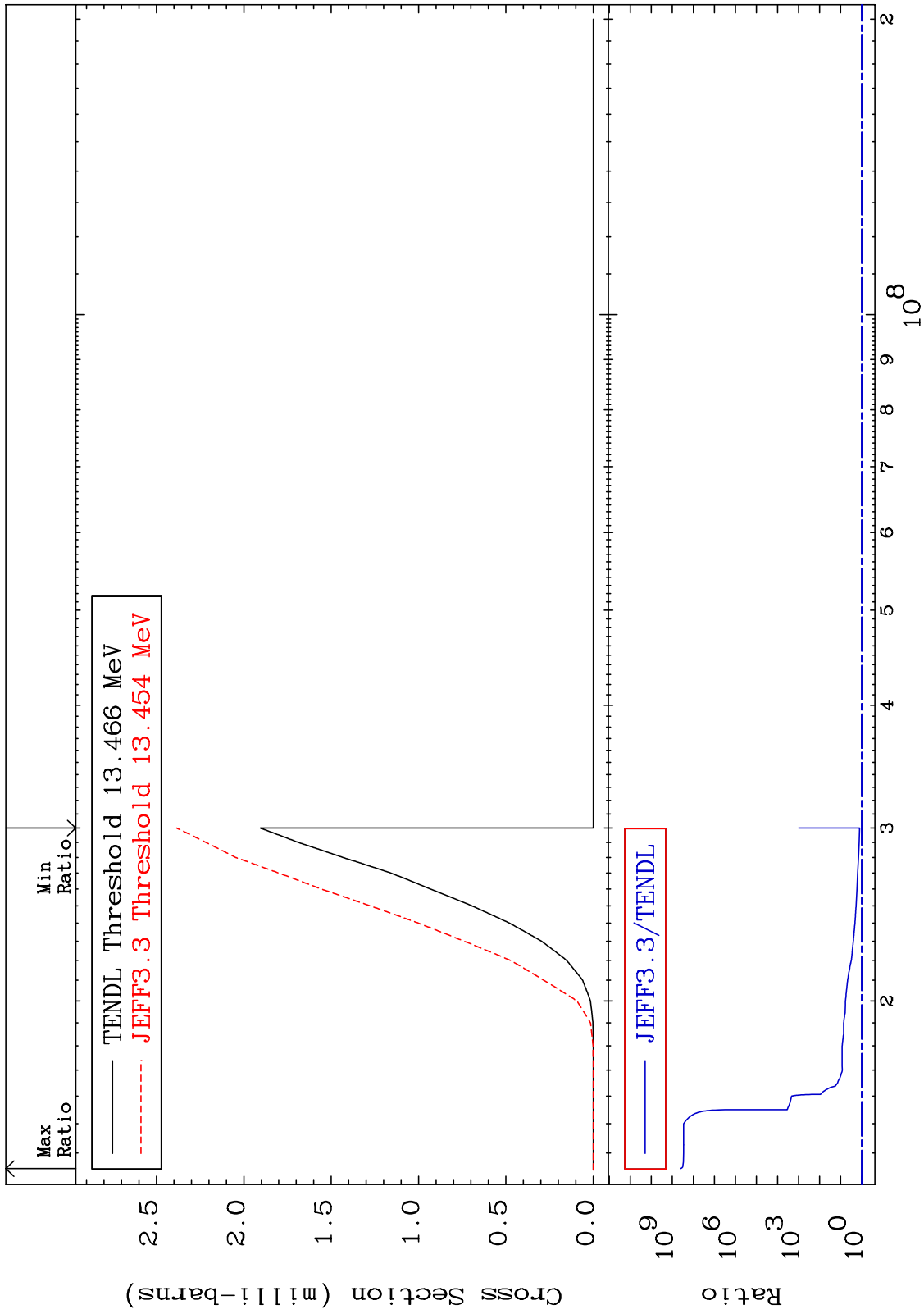
Incident Energy (eV)

53-I -129

MAT 5331

(n, n') d:52-Te-127g
Radionuclide Production Cross Section 25.13 To 9999. %

53-I -129



66

Incident Energy (eV)

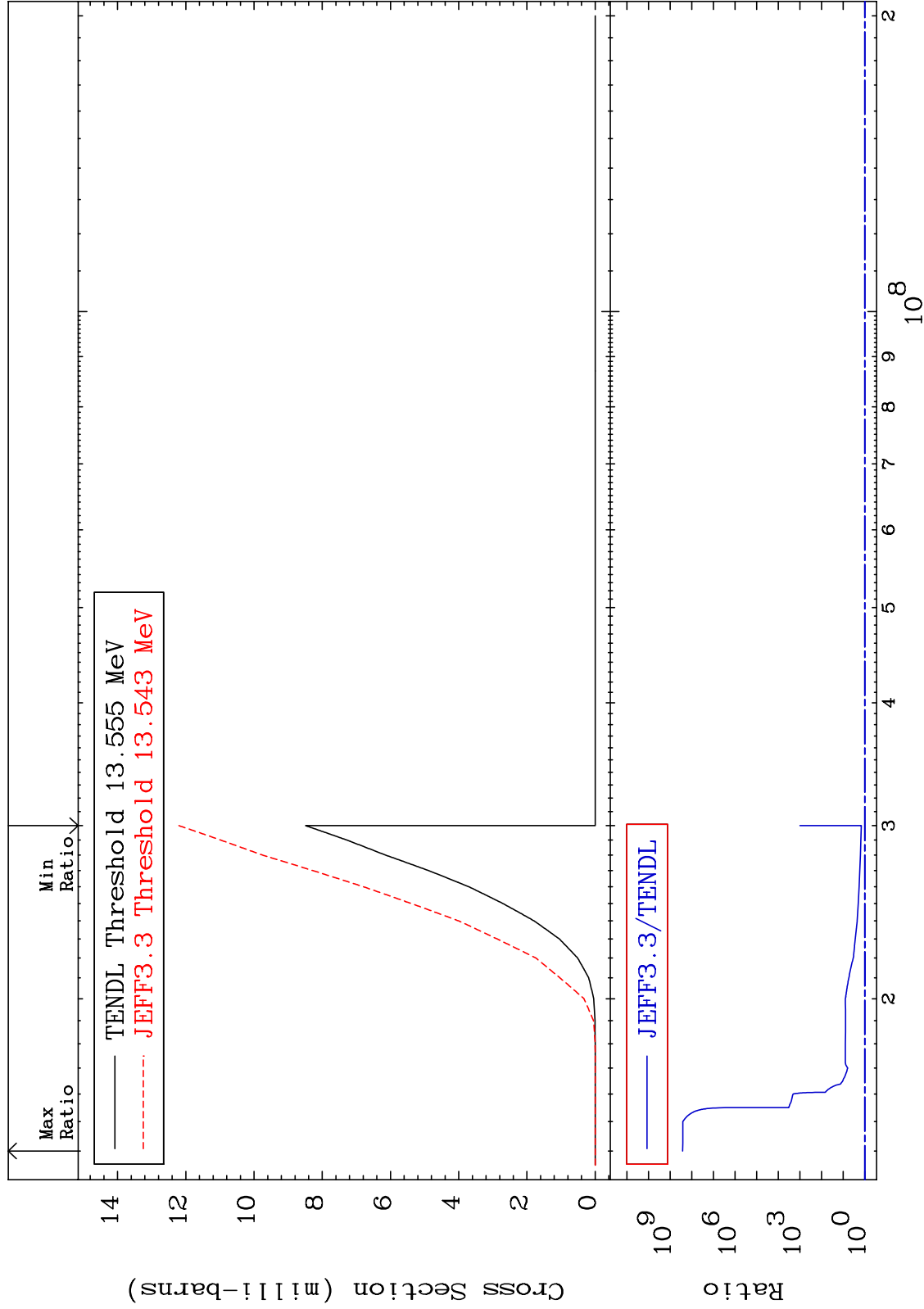
53-I -129

MAT 5331

(n,n') d:52-Te-127m2

53-I -129

Radionuclide Production Cross Section 43.71 To 9999. %



67

Incident Energy (eV)

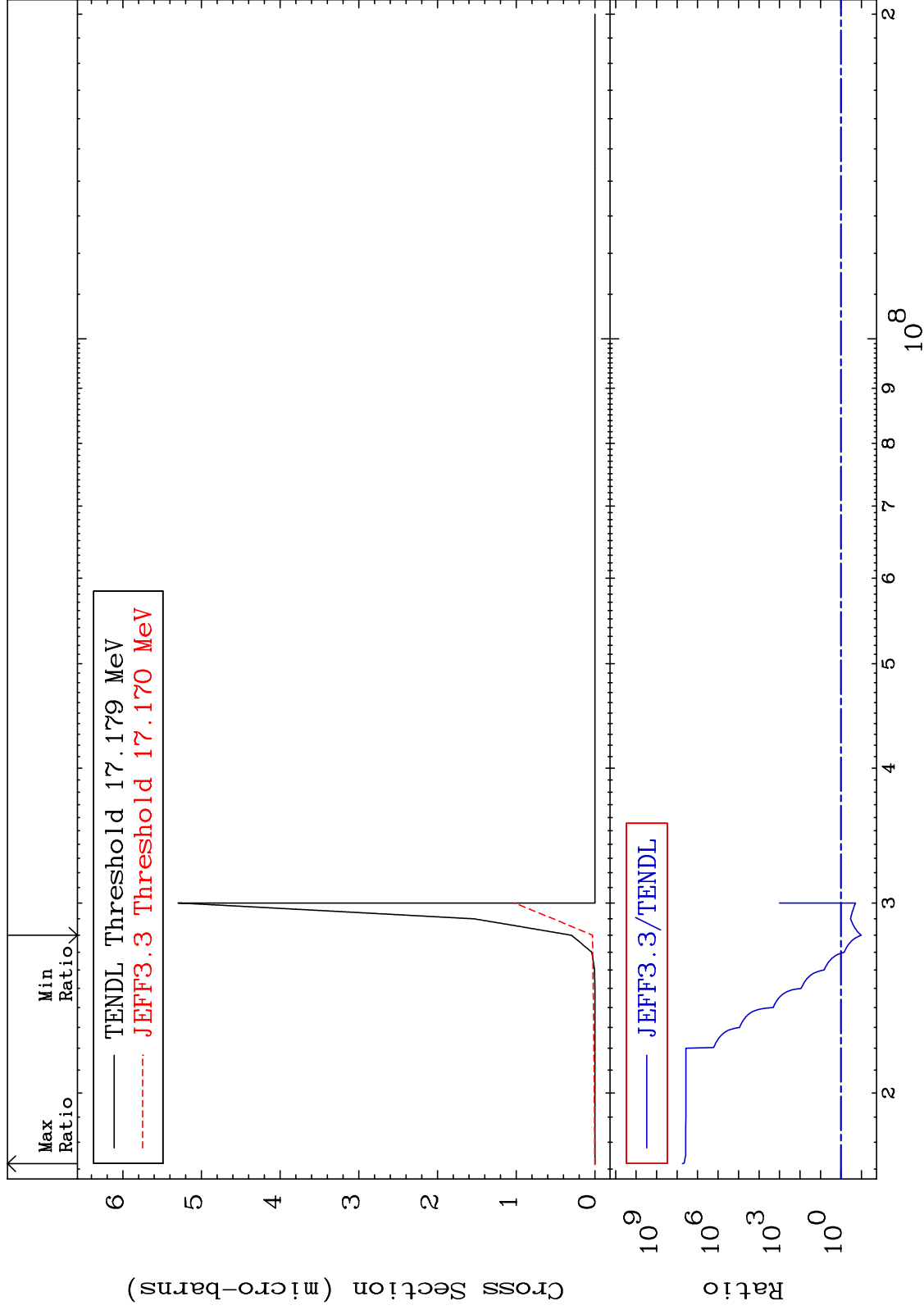
53-I -129

MAT 5331

(n,n') He-3:51-Sb-126g

53-I -129

Radionuclide Production Cross Section -89.80 To 9999. %



68

Incident Energy (eV)

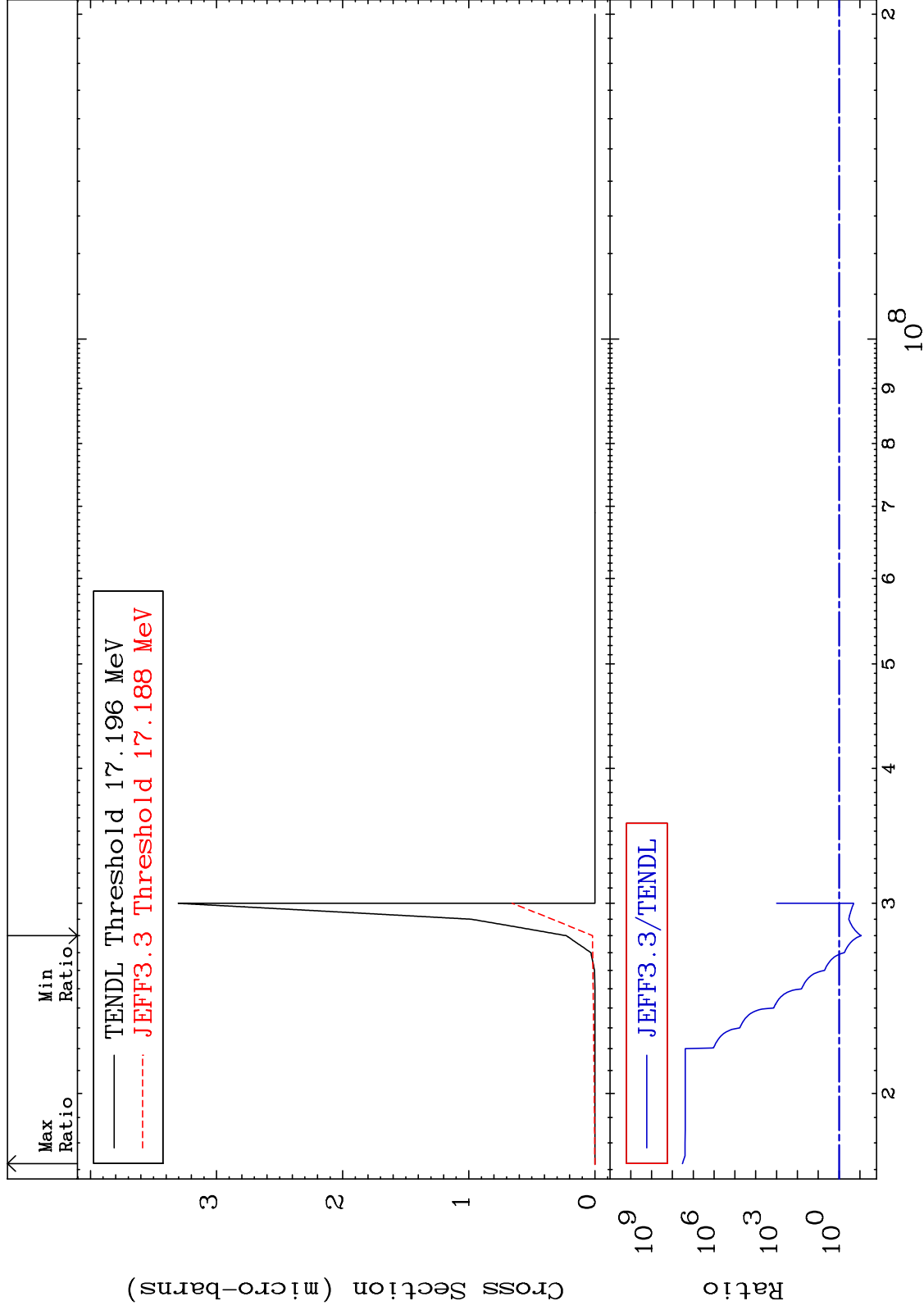
53-I -129

MAT 5331

(n, n') He-3:51-Sb-126m1

53-I -129

Radionuclide Production Cross Section -91.43 To 9999. %



69

Incident Energy (eV)

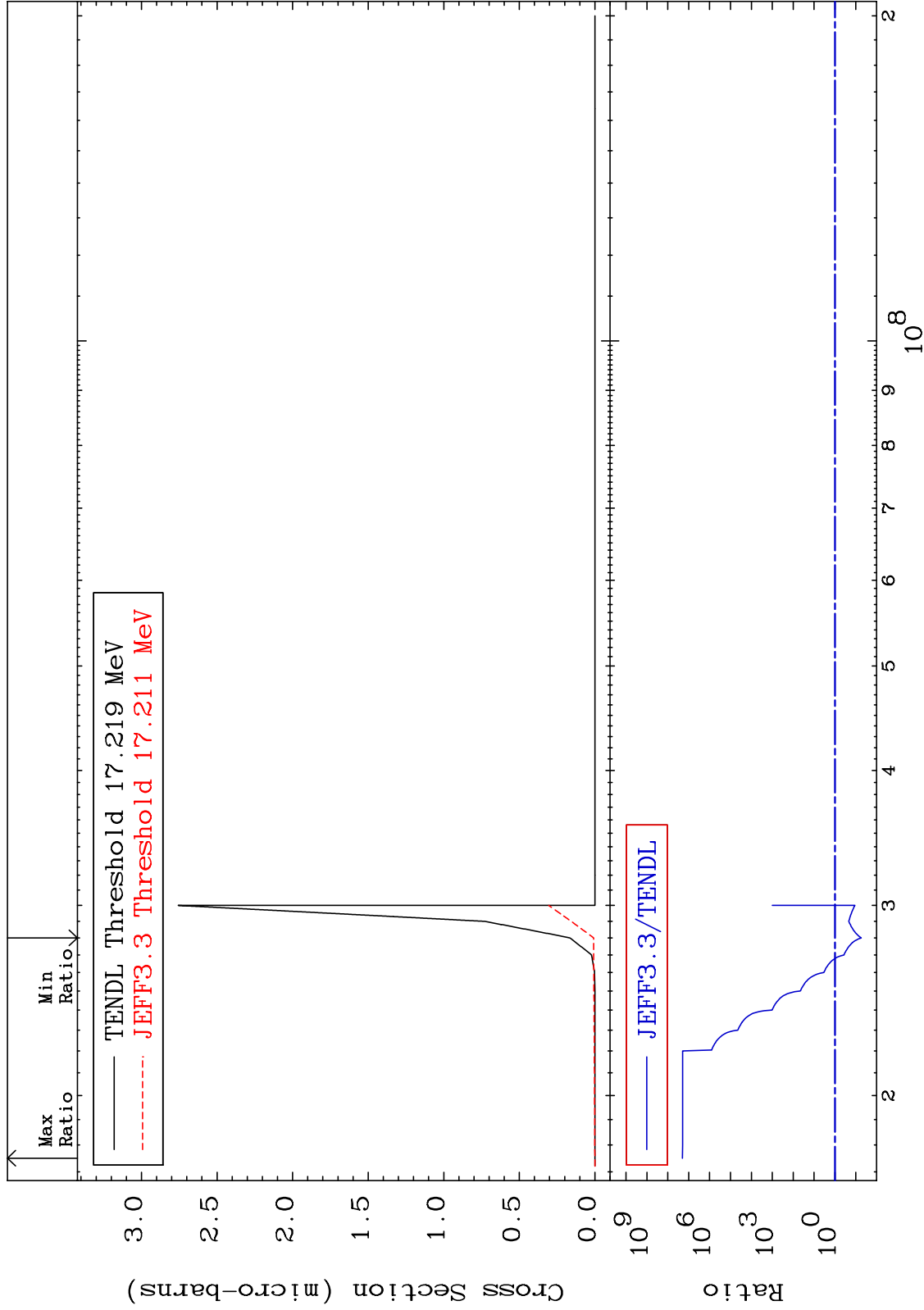
53-I -129

MAT 5331

(n,n') He-3:51-Sb-126m2

53-I -129

Radionuclide Production Cross Section -94.54 To 9999. %



70

Incident Energy (eV)

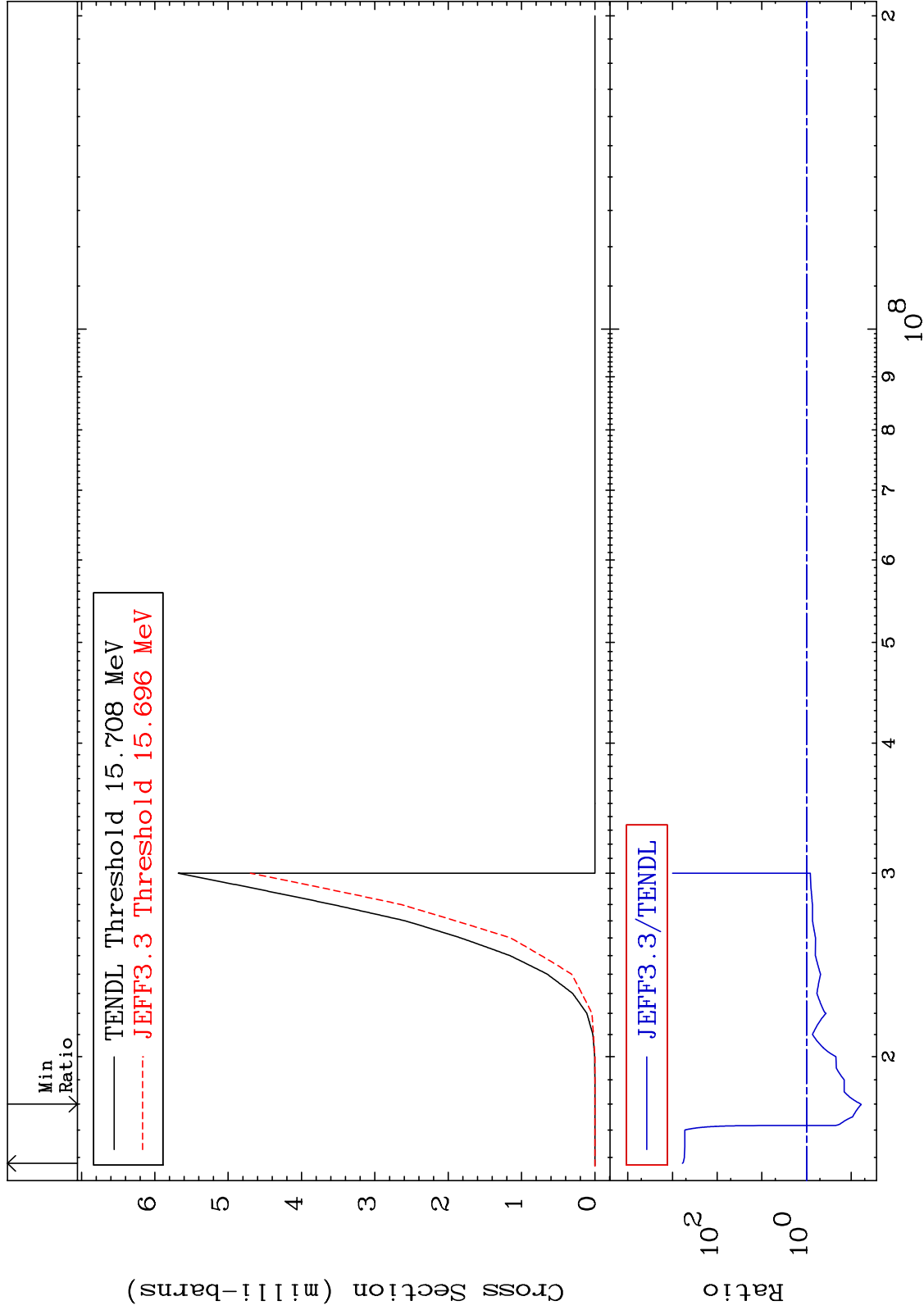
53-I -129

MAT 5331

(n,2n) p:52-Te-127g

53-I -129

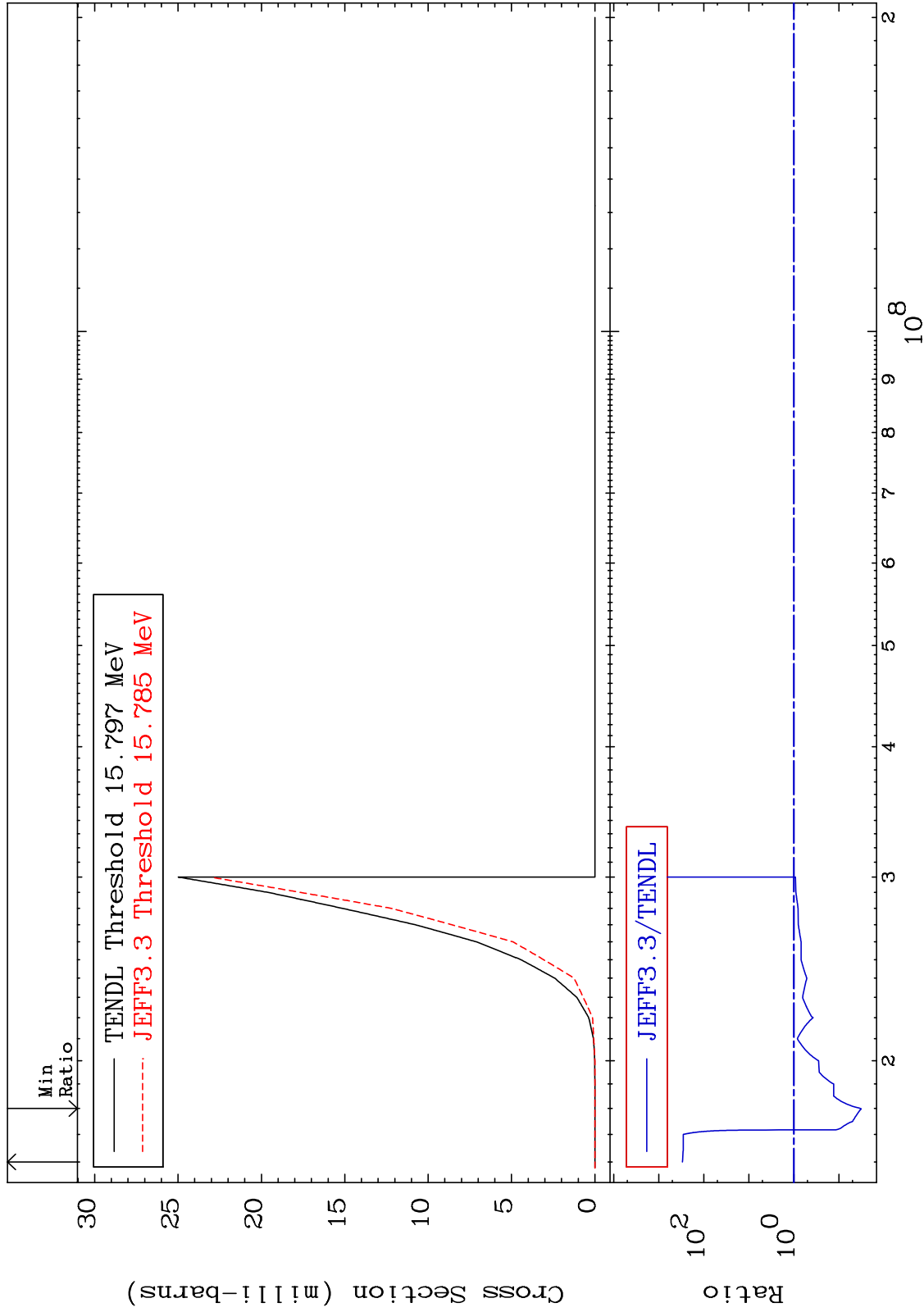
Radionuclide Production Cross Section -94.05 To 9999. %



71

Incident Energy (eV)

53-I -129

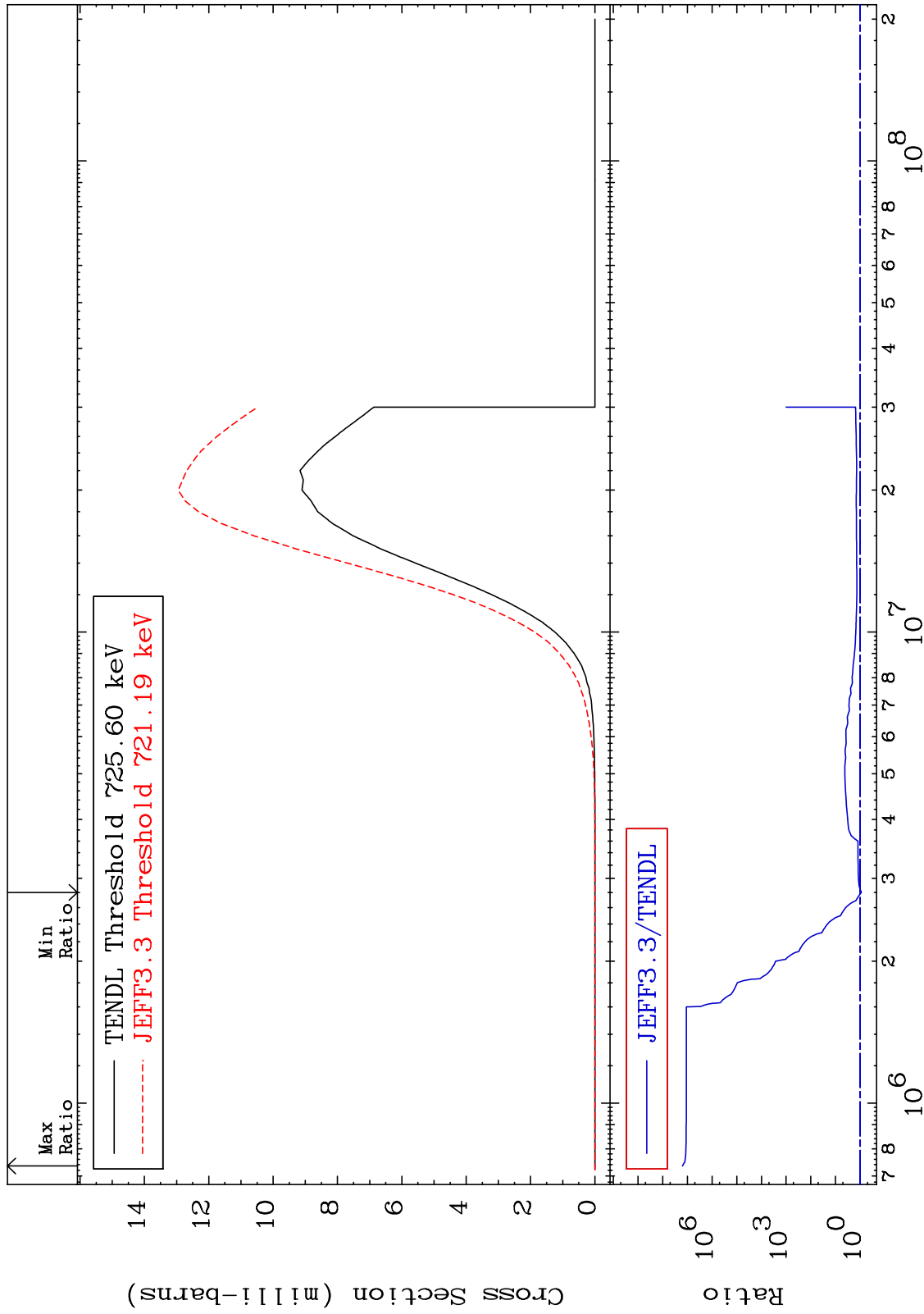


MAT 5331

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

53-I -129

Radionuclide Production Cross Section -9.884 To 9999. %



73

Incident Energy (eV)

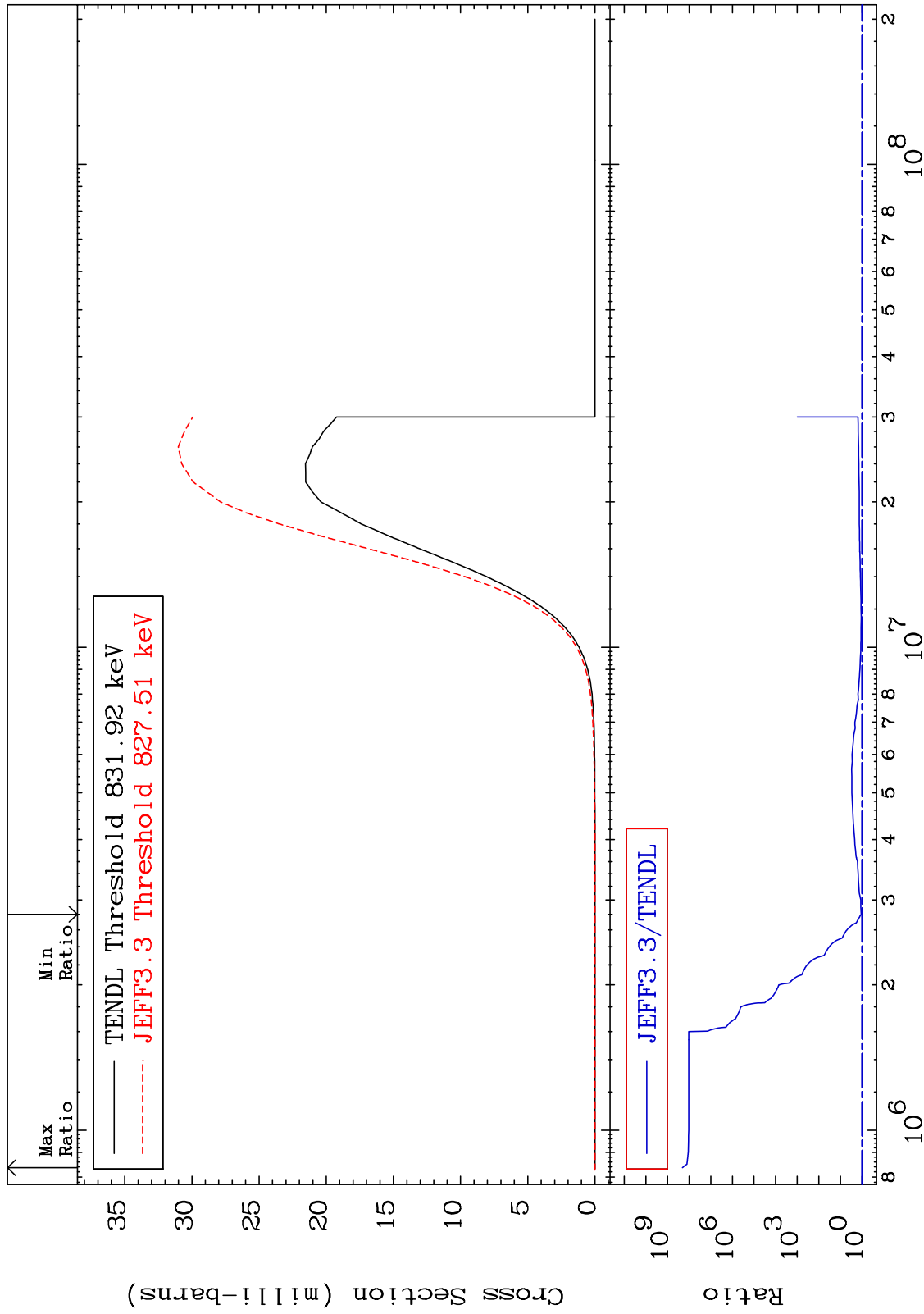
53-I -129

MAT 5331

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

53-I -129

Radionuclide Production Cross Section 9.676 To 9999. %



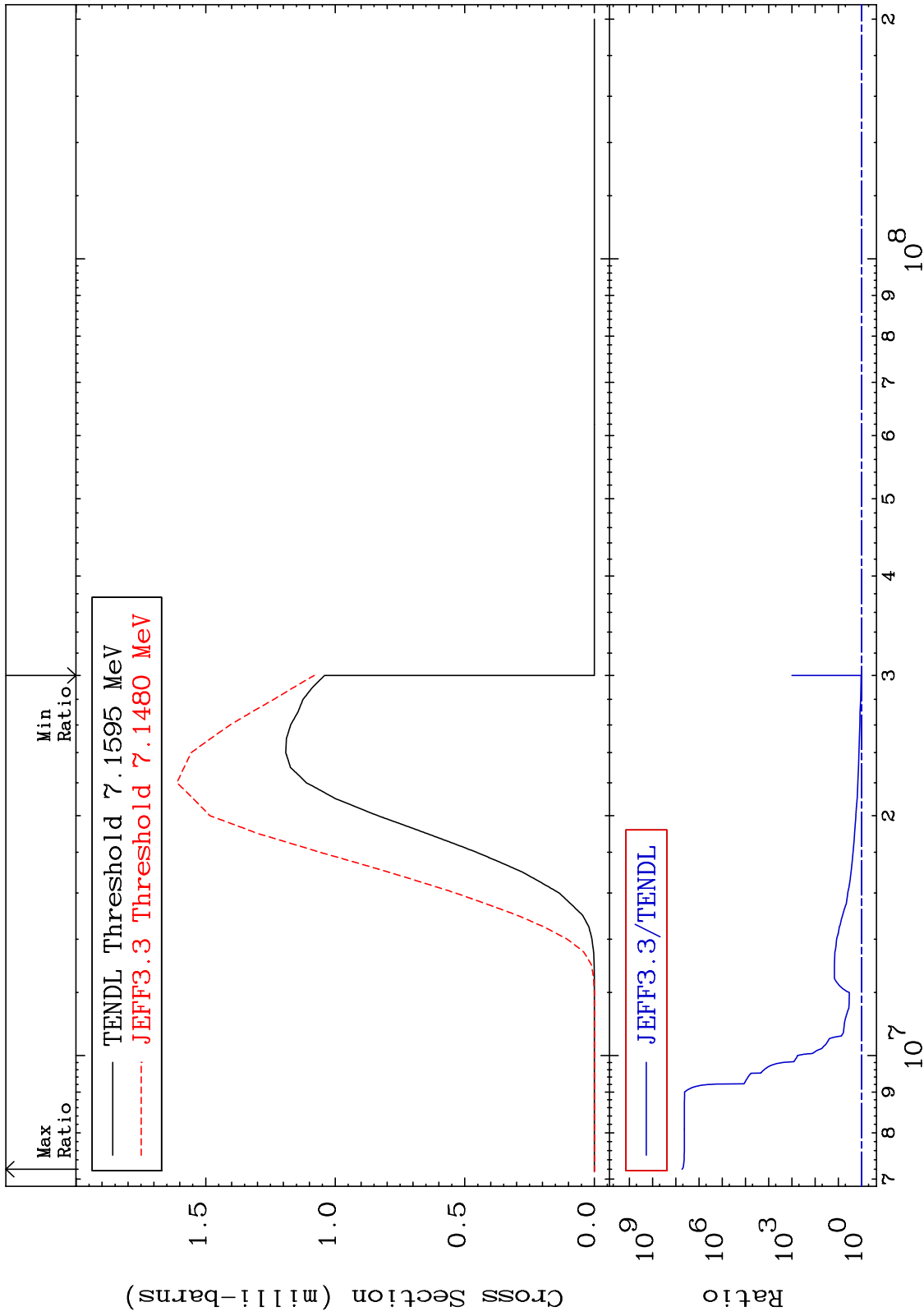
74

Incident Energy (eV)

53-I -129

MAT 5331

(n,t):52-Te-127g 53-I -129
Radionuclide Production Cross Section 3.875 To 9999. %



75

Incident Energy (eV)

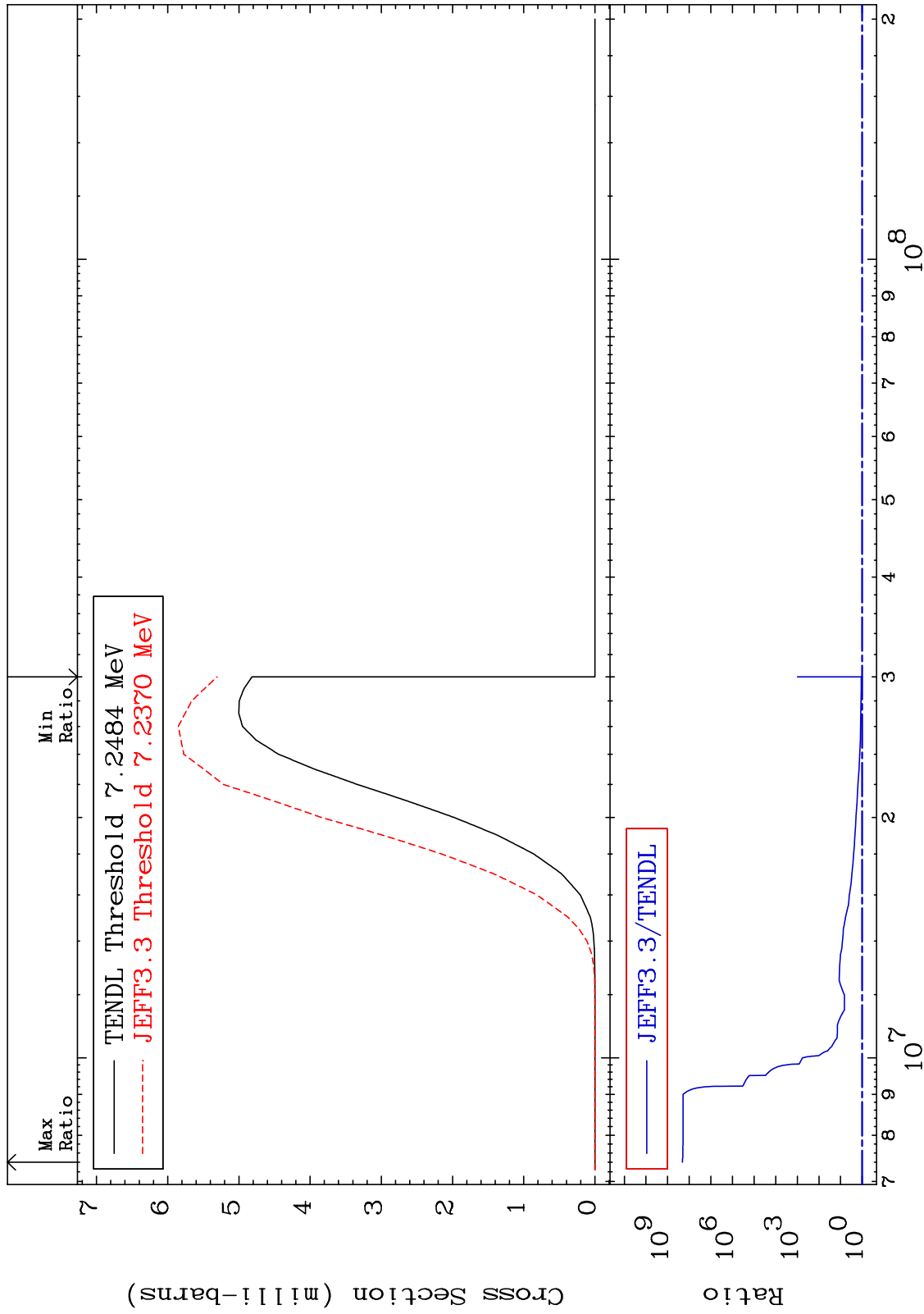
53-I -129

MAT 5331

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

53-I -129

Radionuclide Production Cross Section 10.17 To 9999. %



76

Incident Energy (eV)

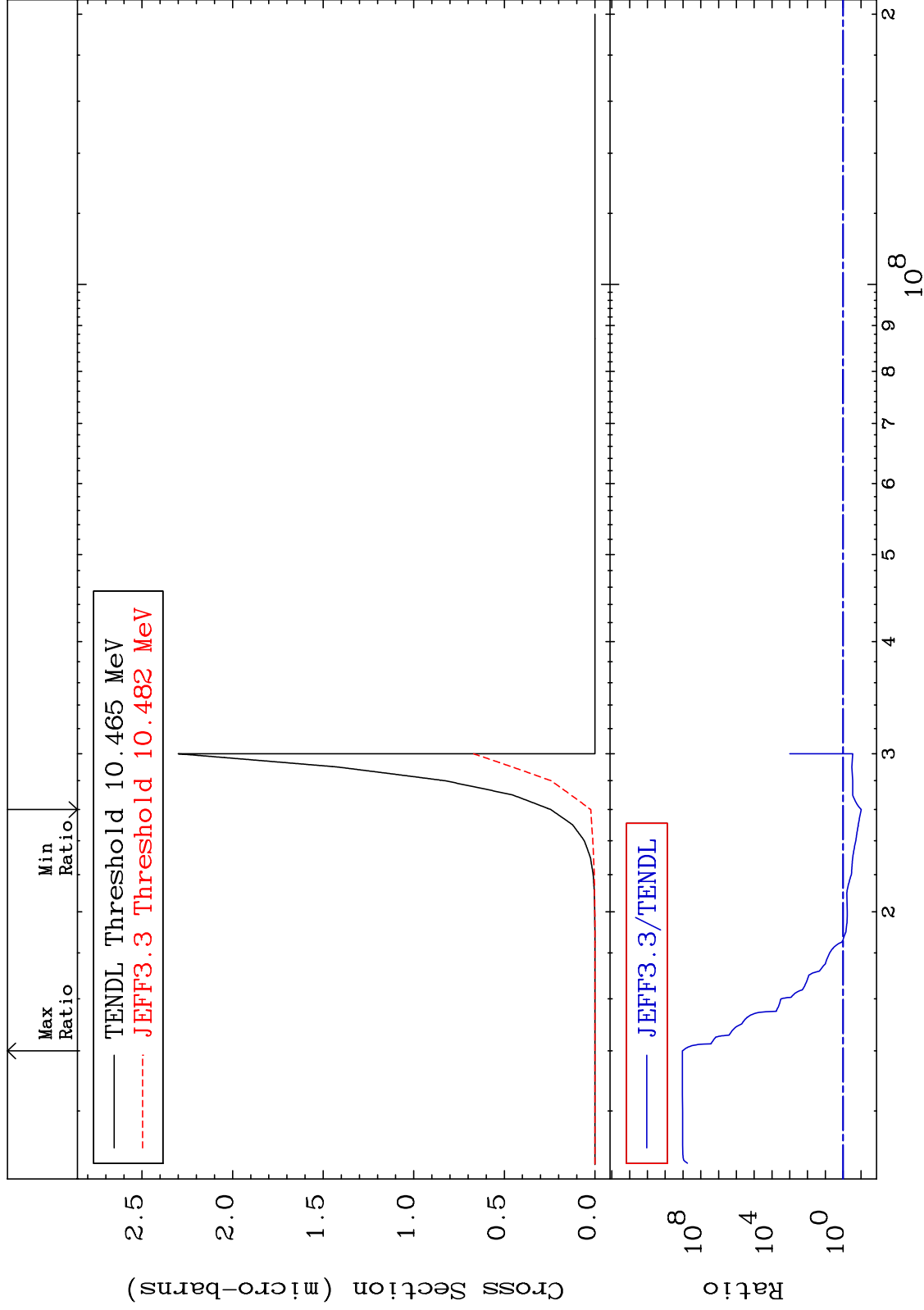
53-I -129

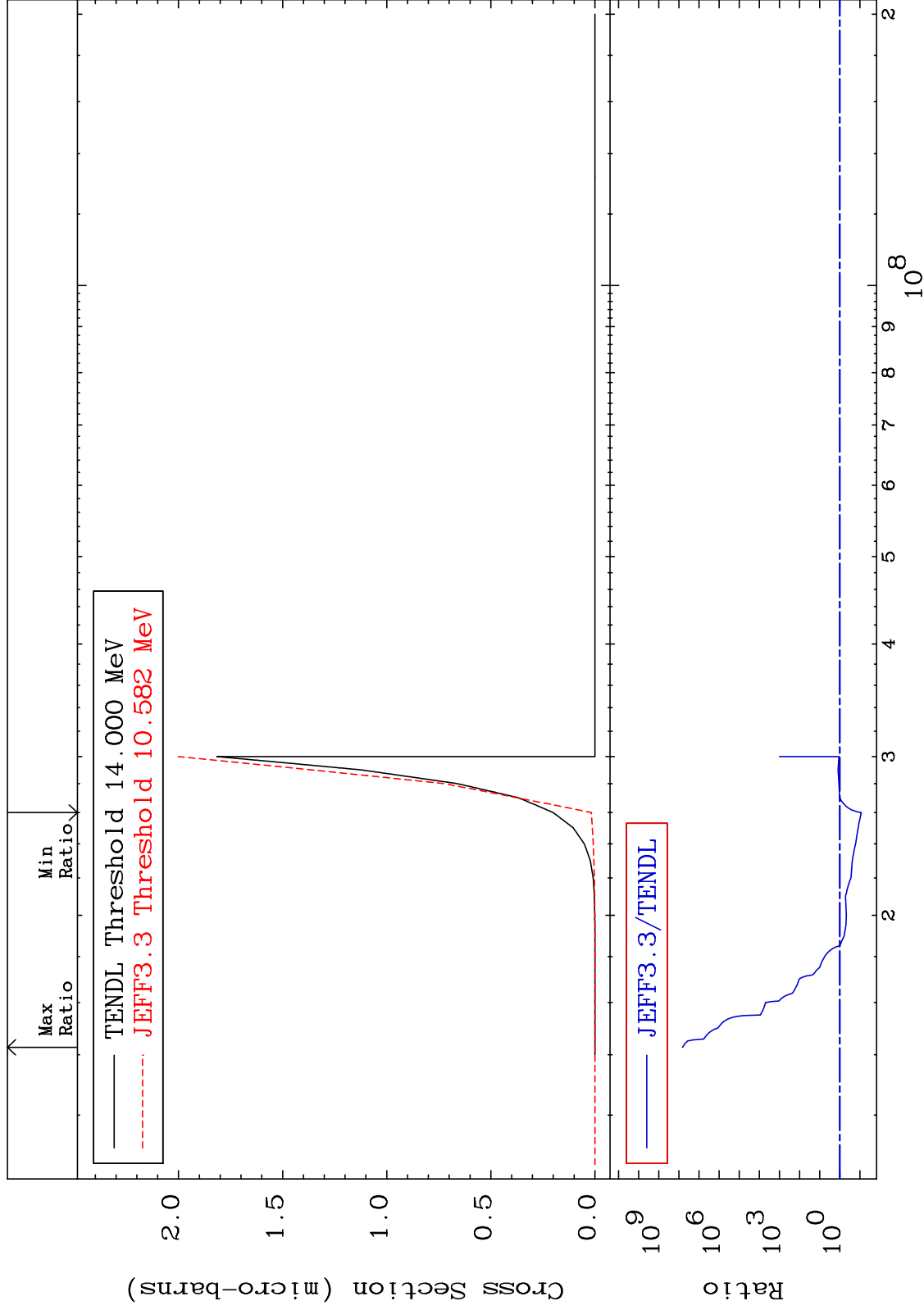
MAT 5331

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

53-I -129

Radionuclide Production Cross Section -90.45 To 9999. %



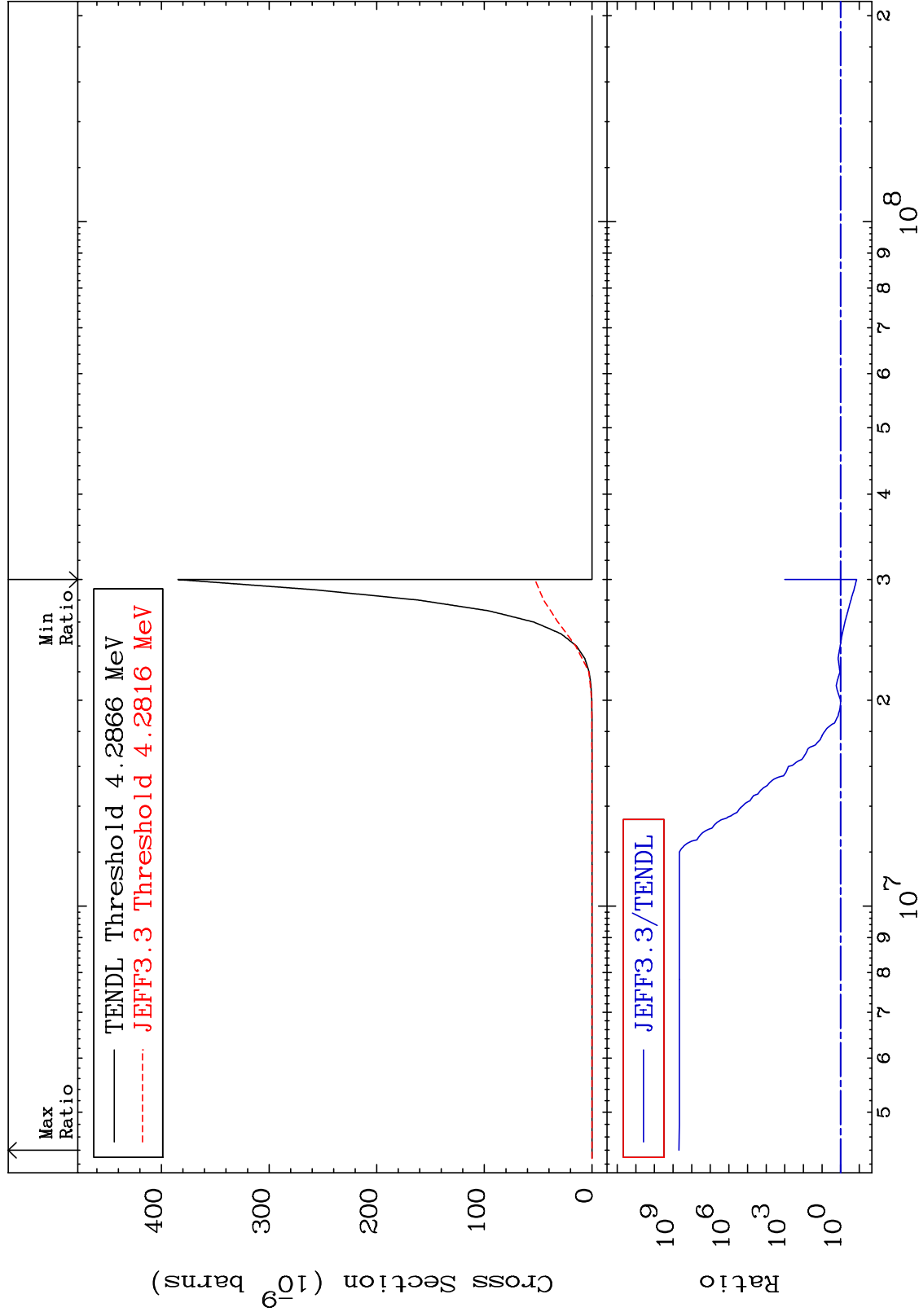


MAT 5331

(n,p) α :50-Sn-125g

53-I -129

Radionuclide Production Cross Section -86.24 To 9999. %



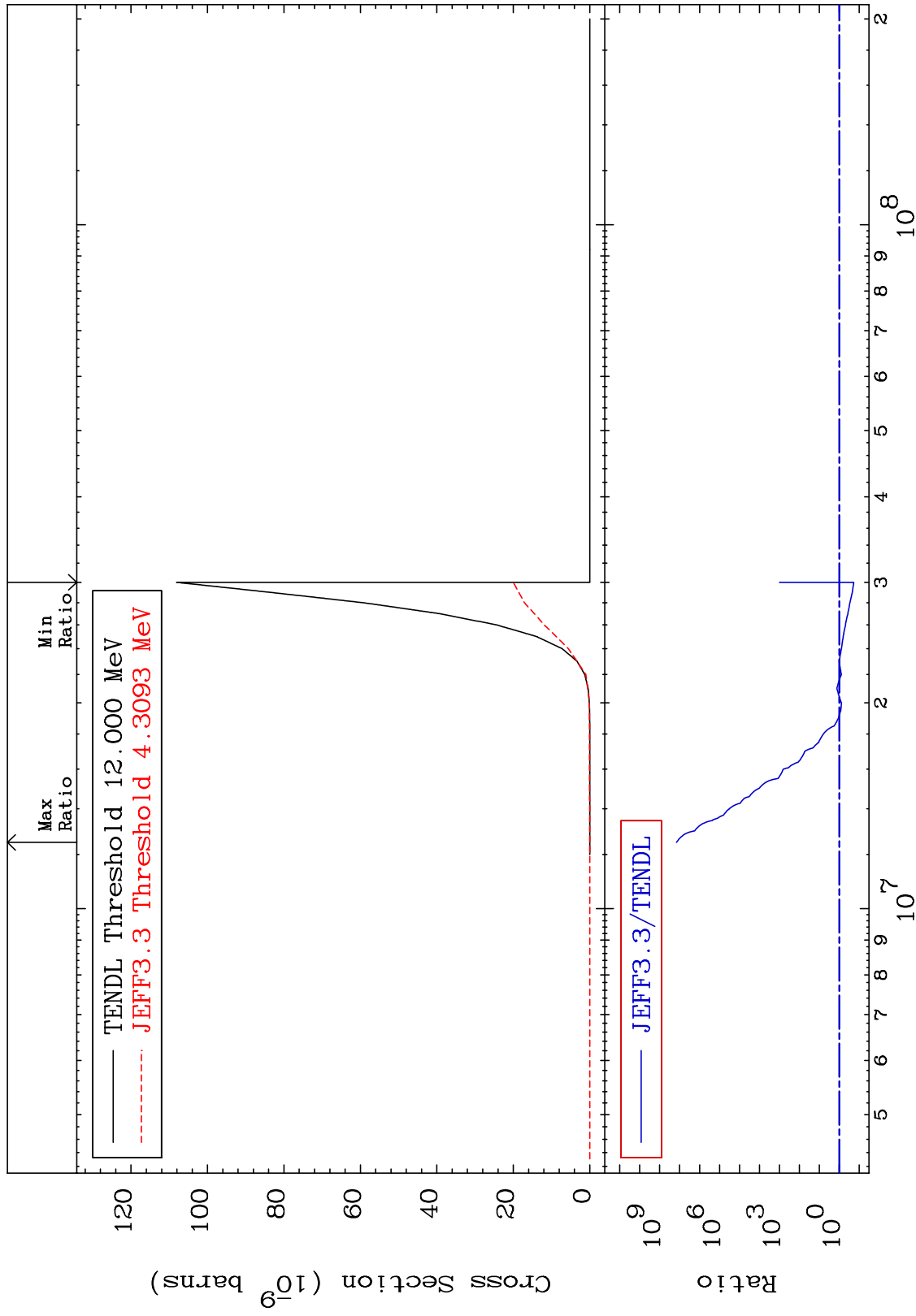
79

Incident Energy (eV)

53-I -129

MAT 5331

(n,p) α :50-Sn-125m1 53-I -129
Radionuclide Production Cross Section -81.47 To 9999. %



80

Incident Energy (eV)

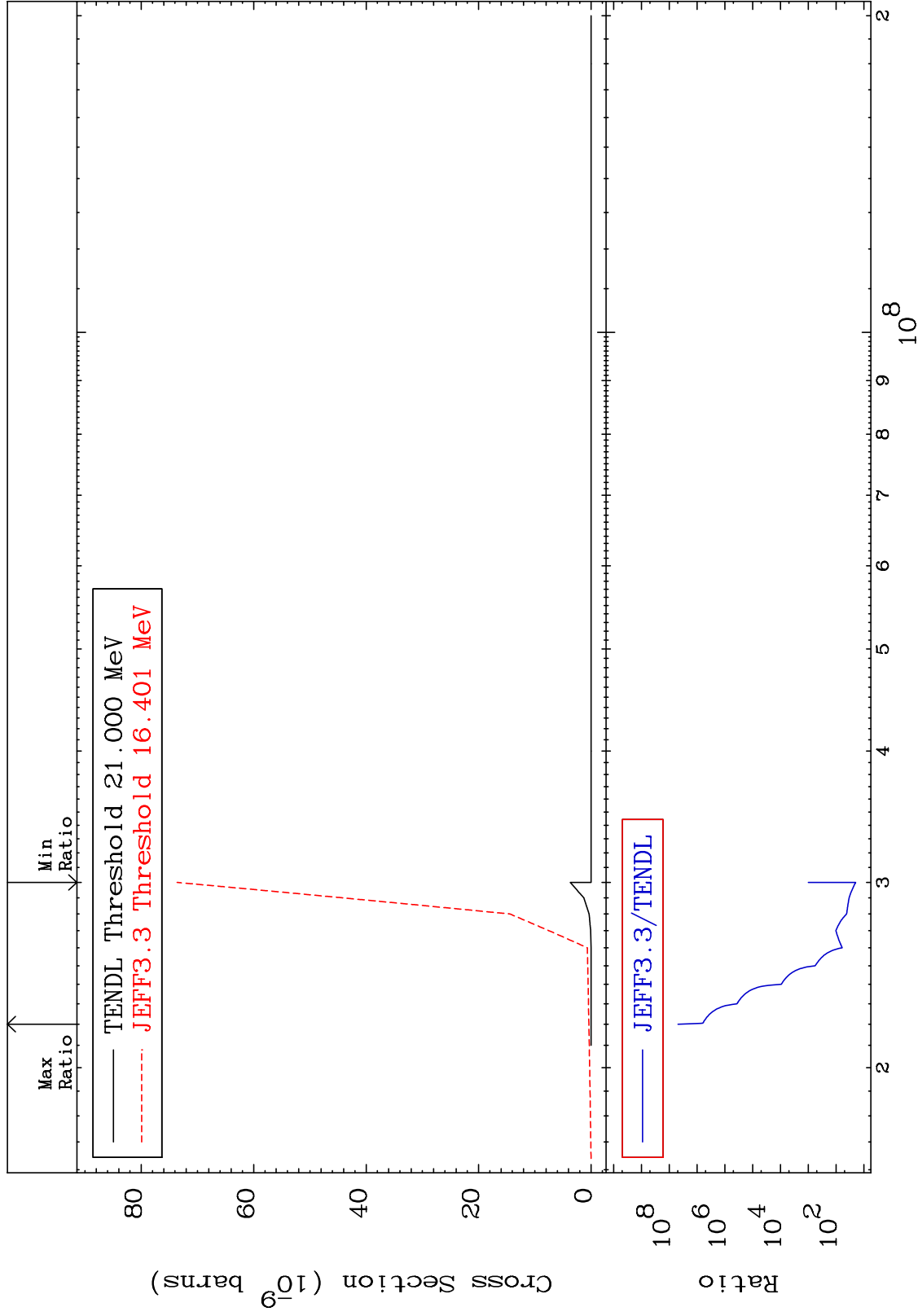
53-I -129

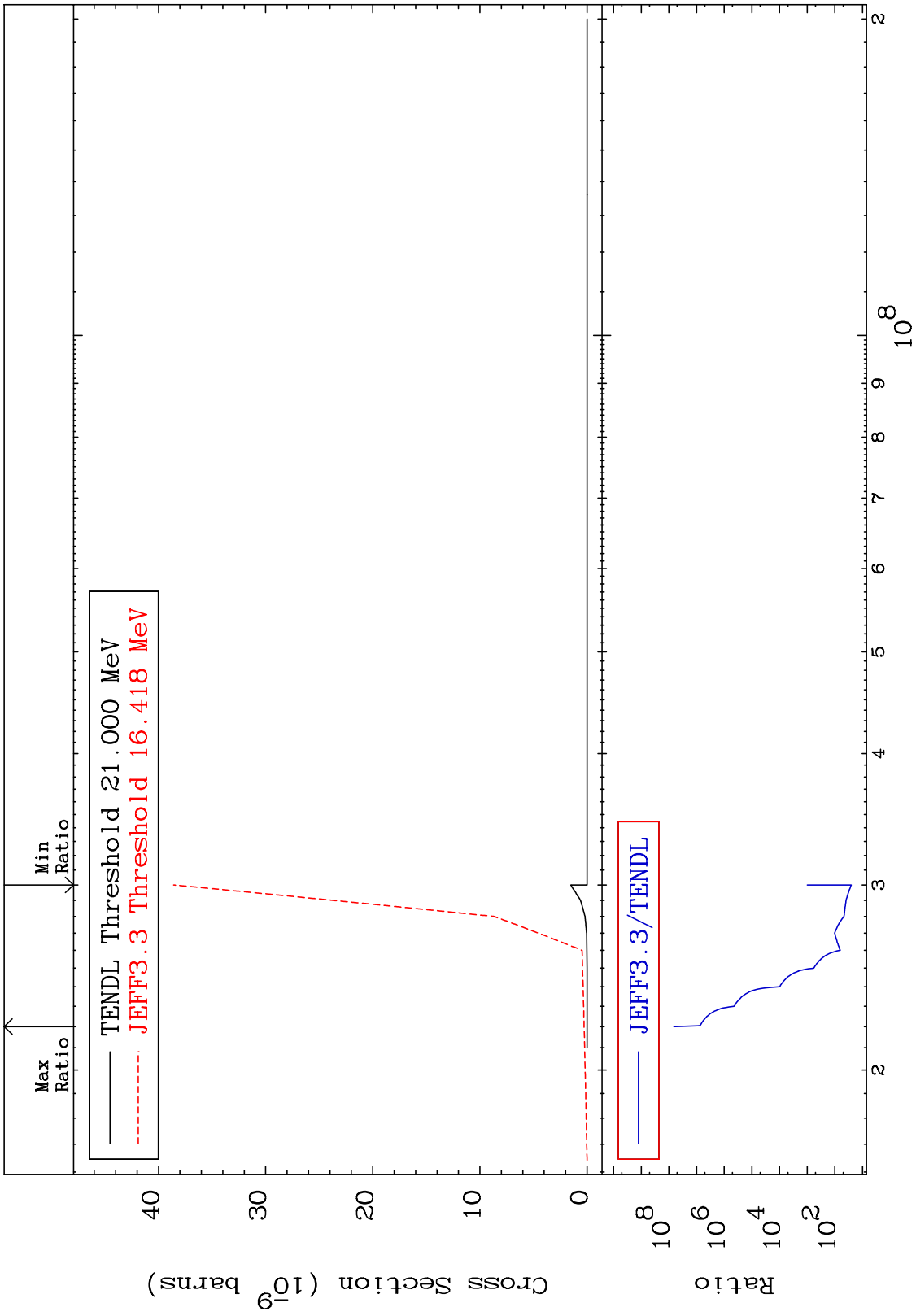
MAT 5331

(n,p) t:51-Sb-126g

53-I -129

Radionuclide Production Cross Section 1885. To 9999. %





MAT 5331

(n,p) t:51-Sb-126m2

53-I -129

Radionuclide Production Cross Section 818.6 To 9999. %

