

Program Complot
(Version 2018-1)

by

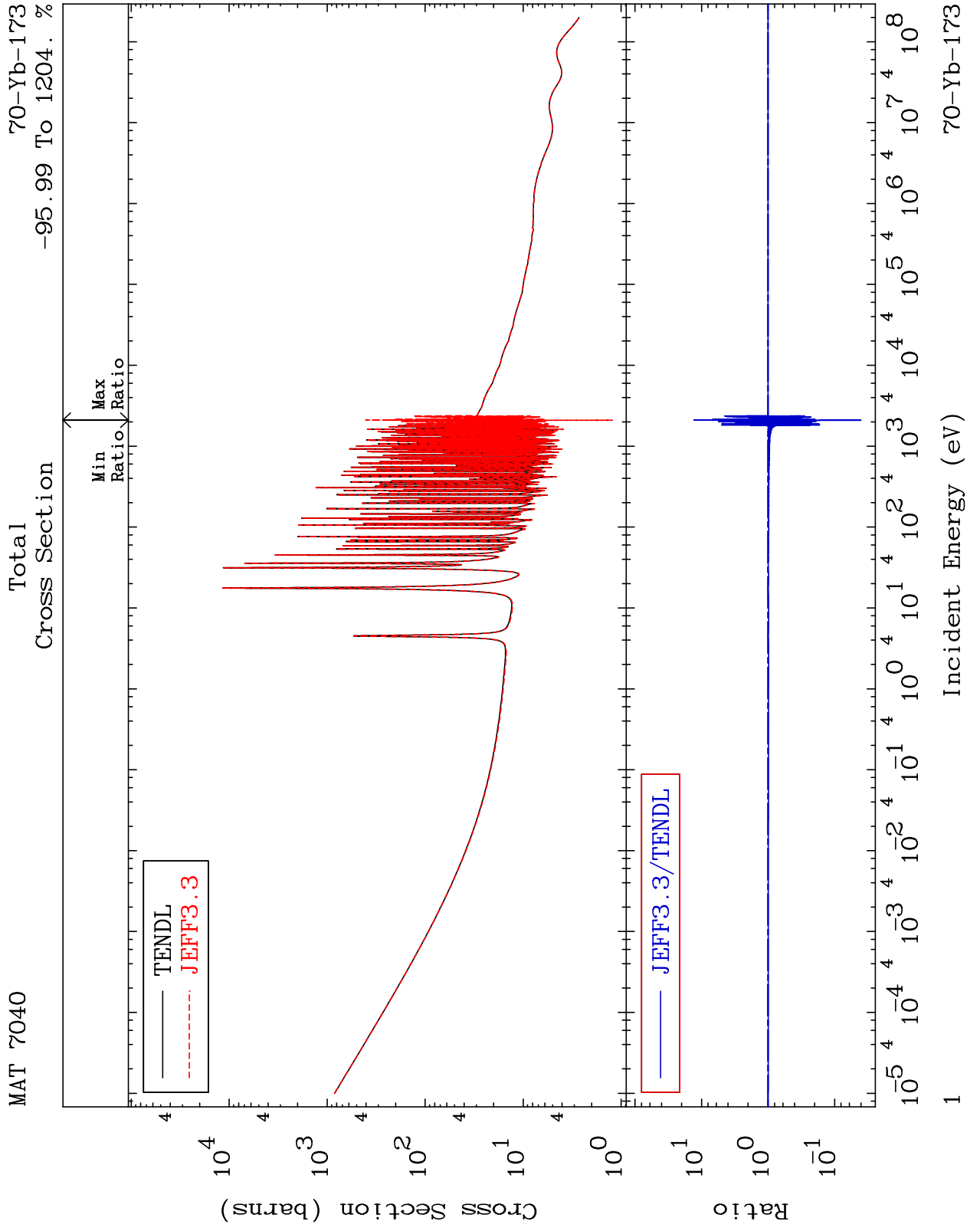
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Press Mouse Button to Start



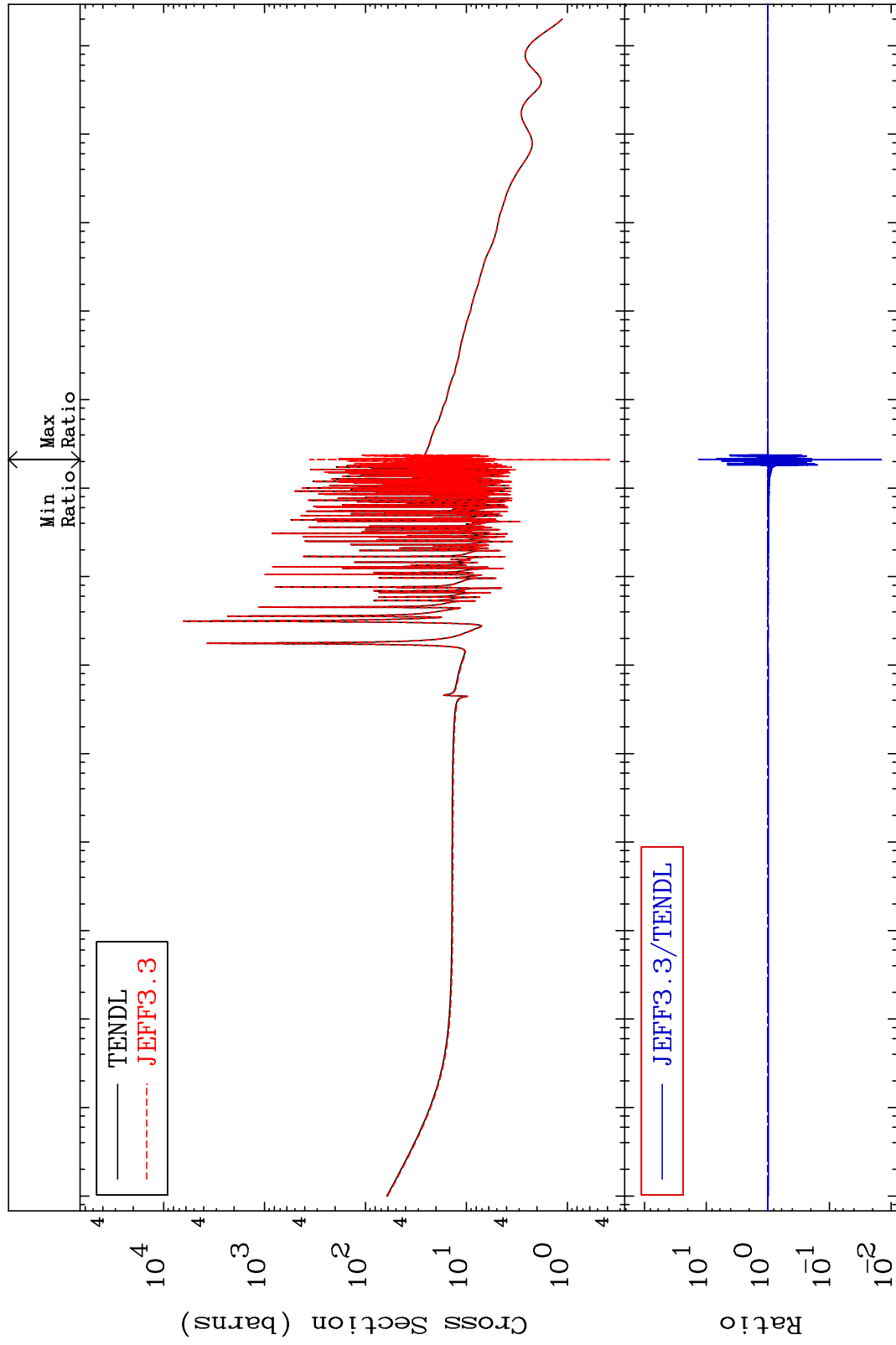
MAT 7040

Elastic

Cross Section

70-Yb-173

-98.57 To 1220. %



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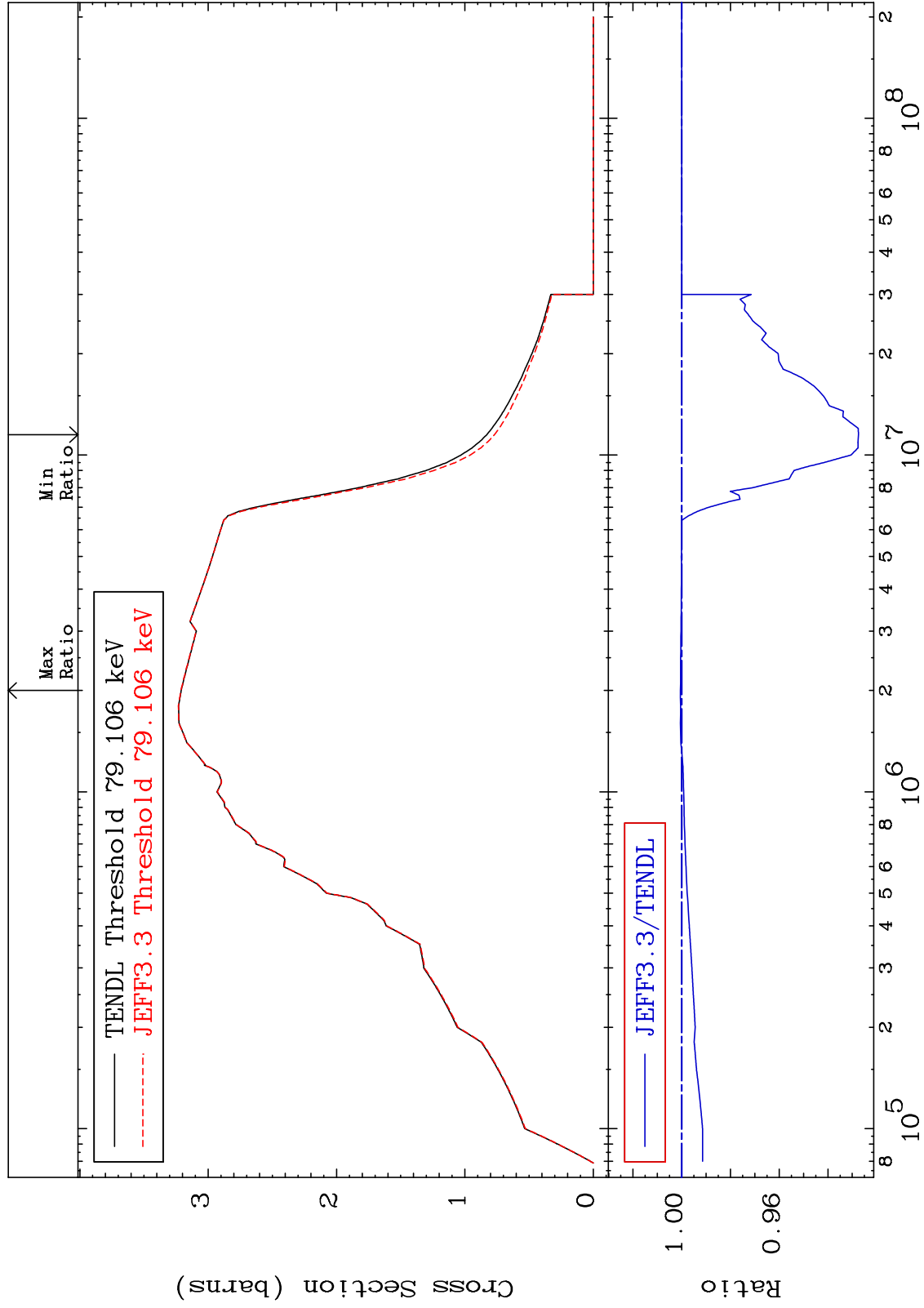
Incident Energy (eV)

70-Yb-173

MAT 7040

Inelastic
Cross Section

70-Yb-173
-7.257 To 0.053 %



Incident Energy (eV)

70-Yb-173

MAT 7040

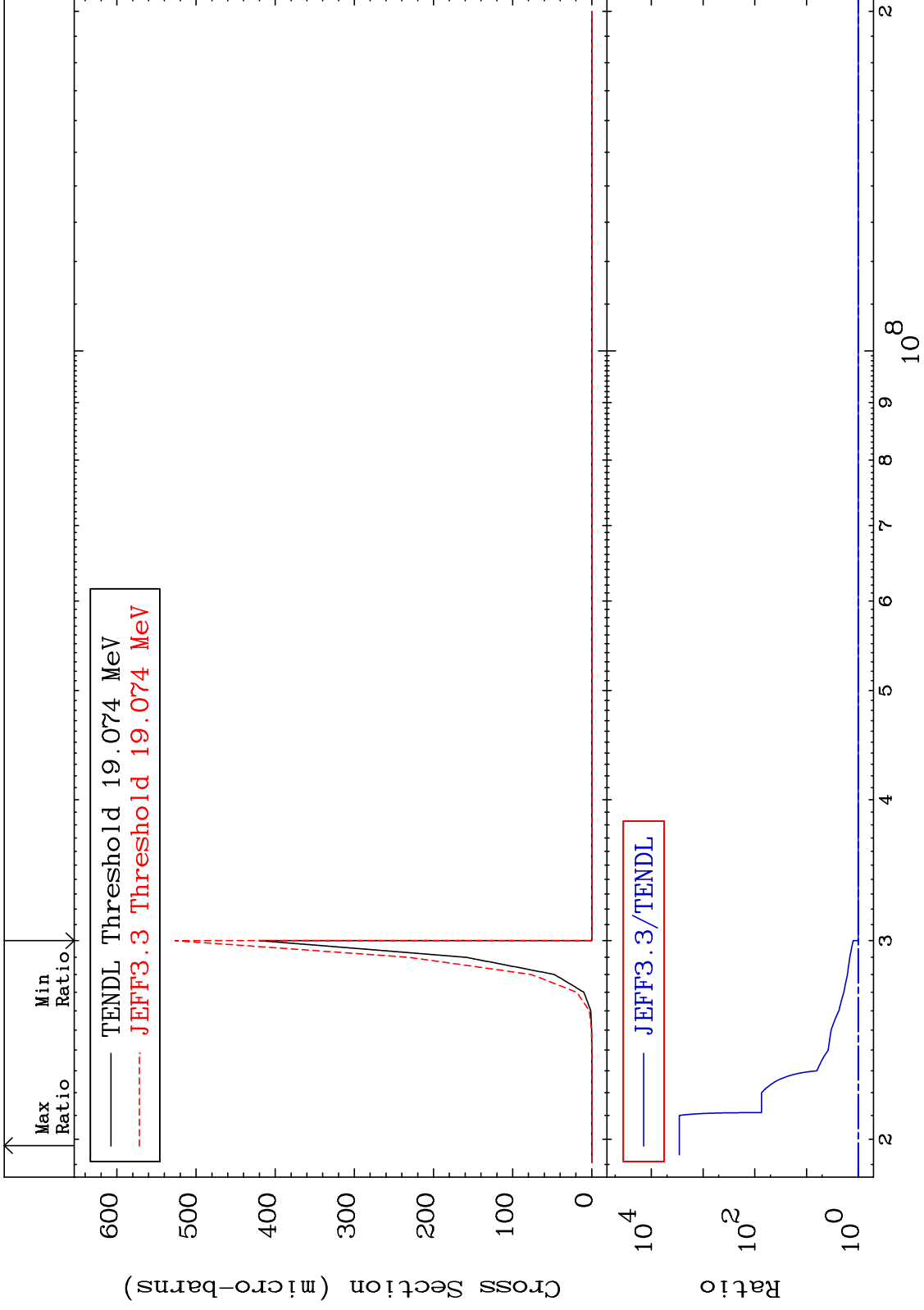
(n,2n) d

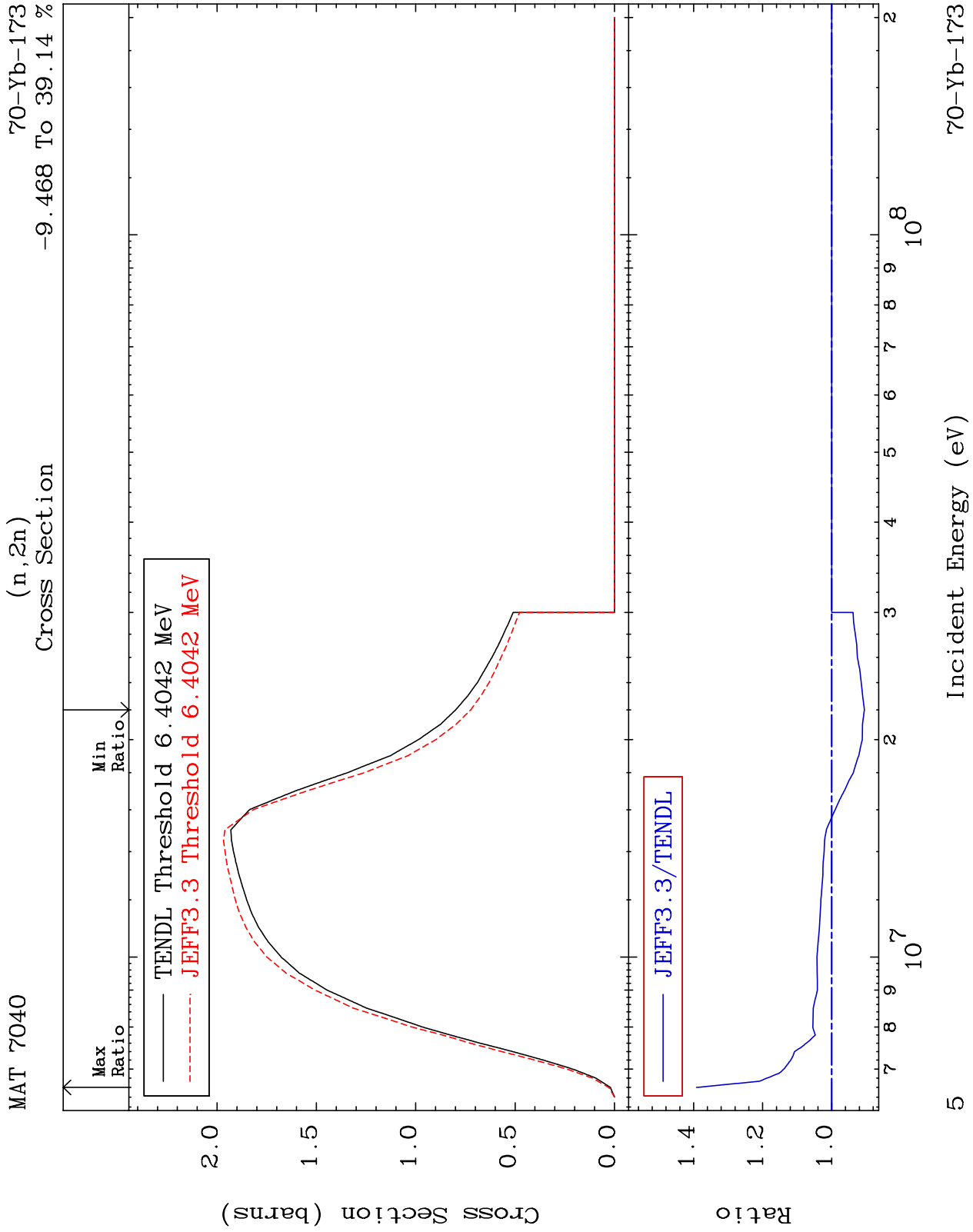
70-Yb-173

Cross Section

0.000

To 9999. %





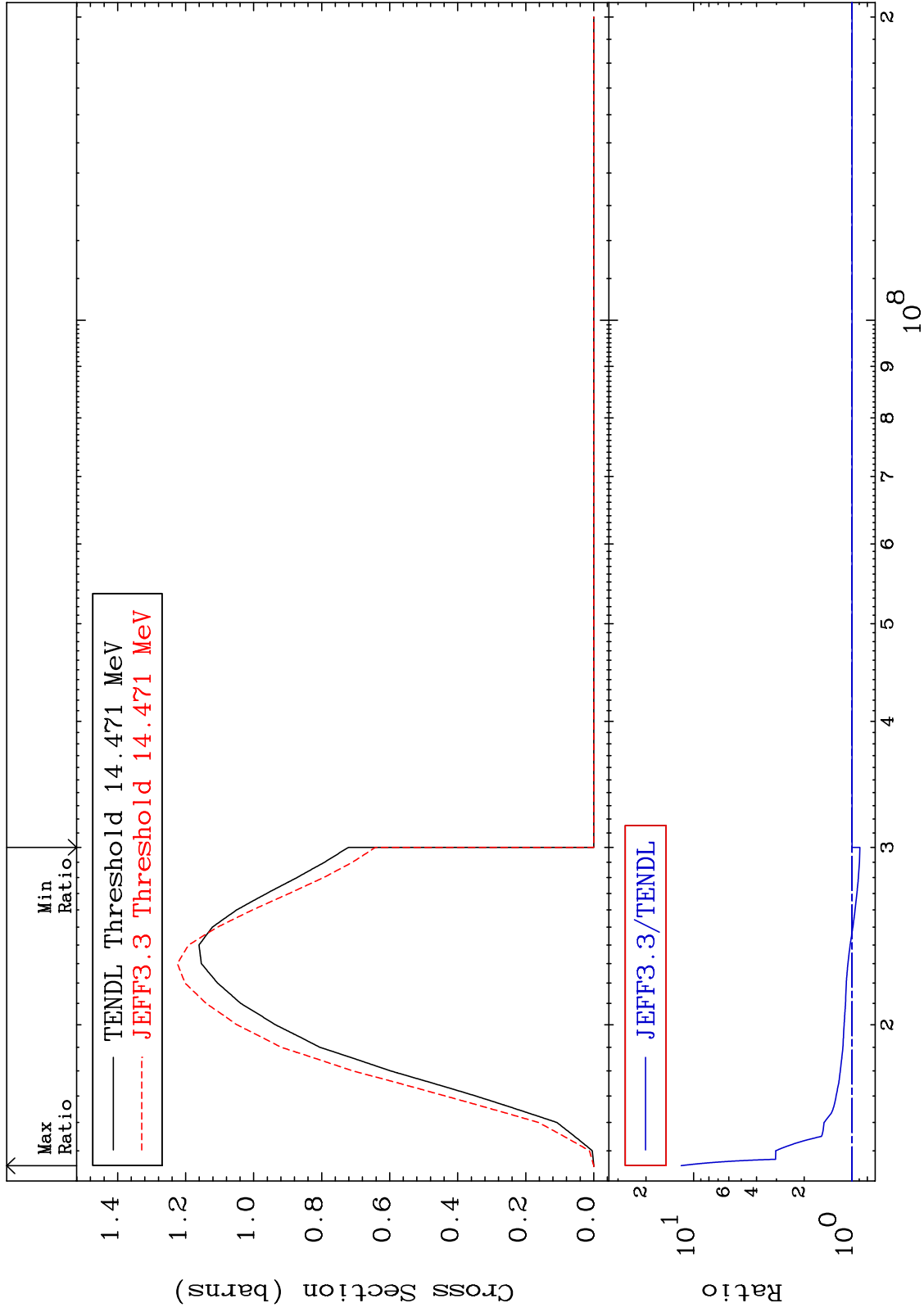
MAT 7040

(n,3n)

⁷⁰Yb-173

Cross Section

-10.97 To 1096. %



6

Incident Energy (eV)

⁷⁰Yb-173

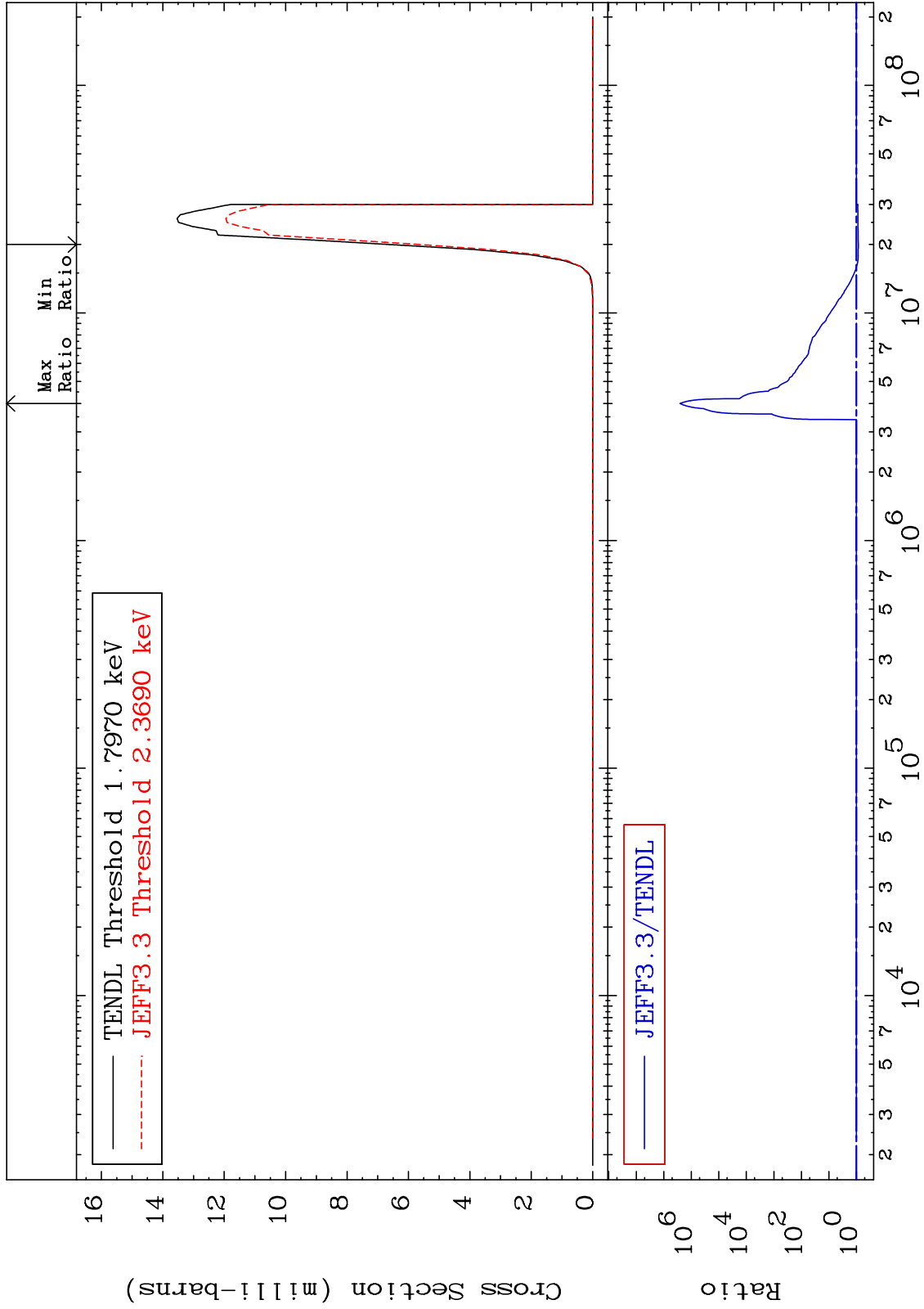
MAT 7040

(n, n') α

70-Yb-173

Cross Section

-14.91 To 9999. %



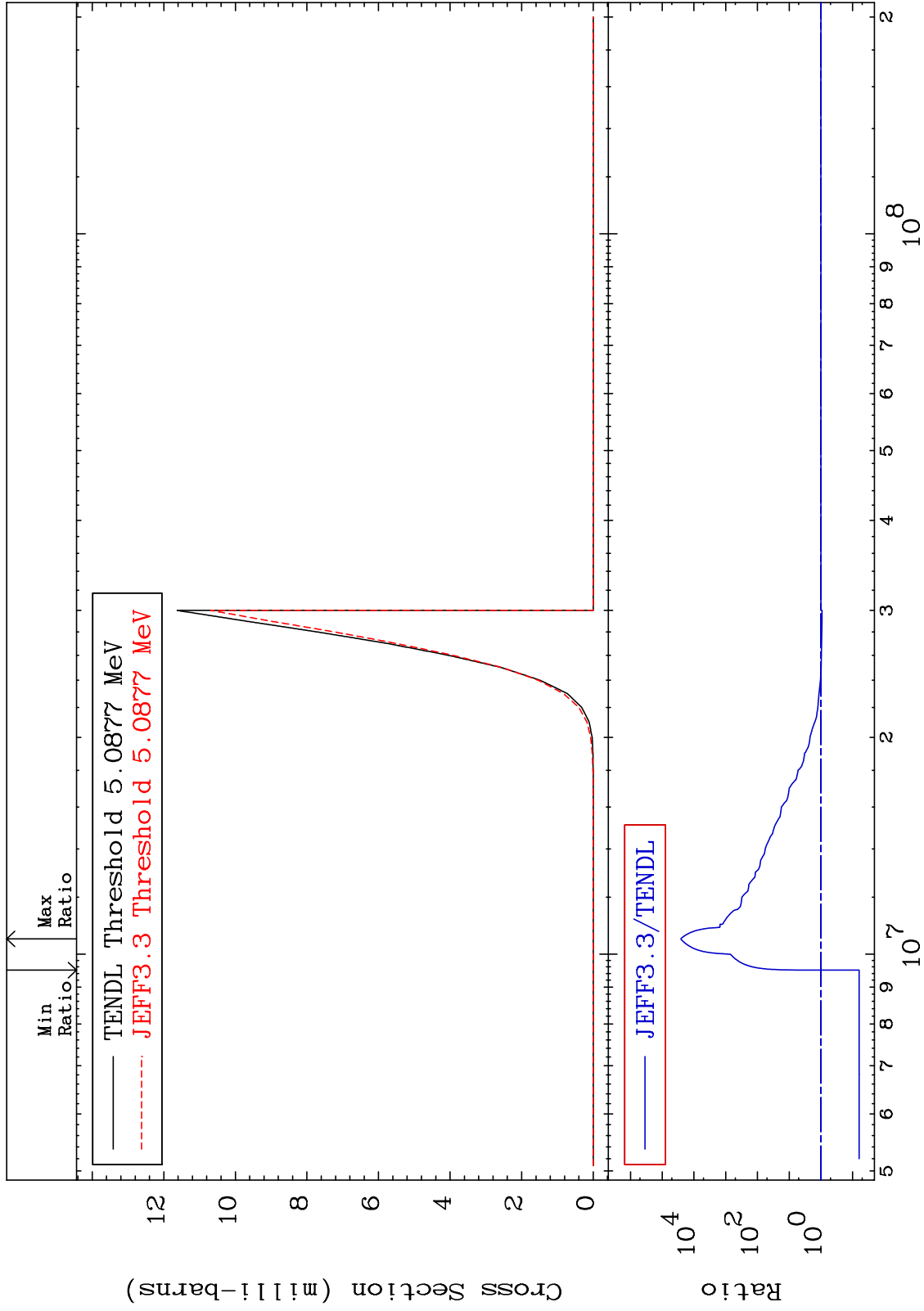
MAT 7040

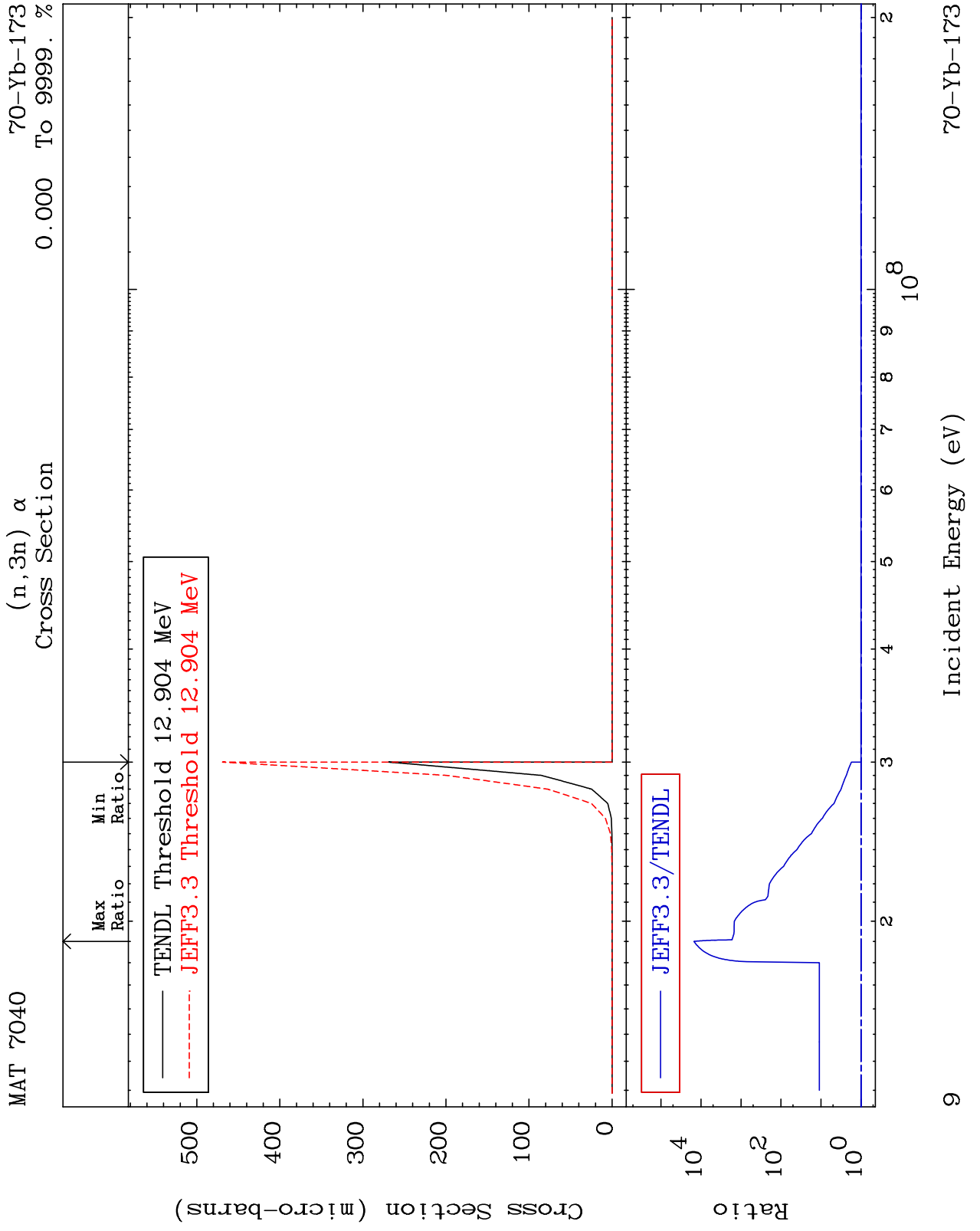
(n,2n) α

70-Yb-173

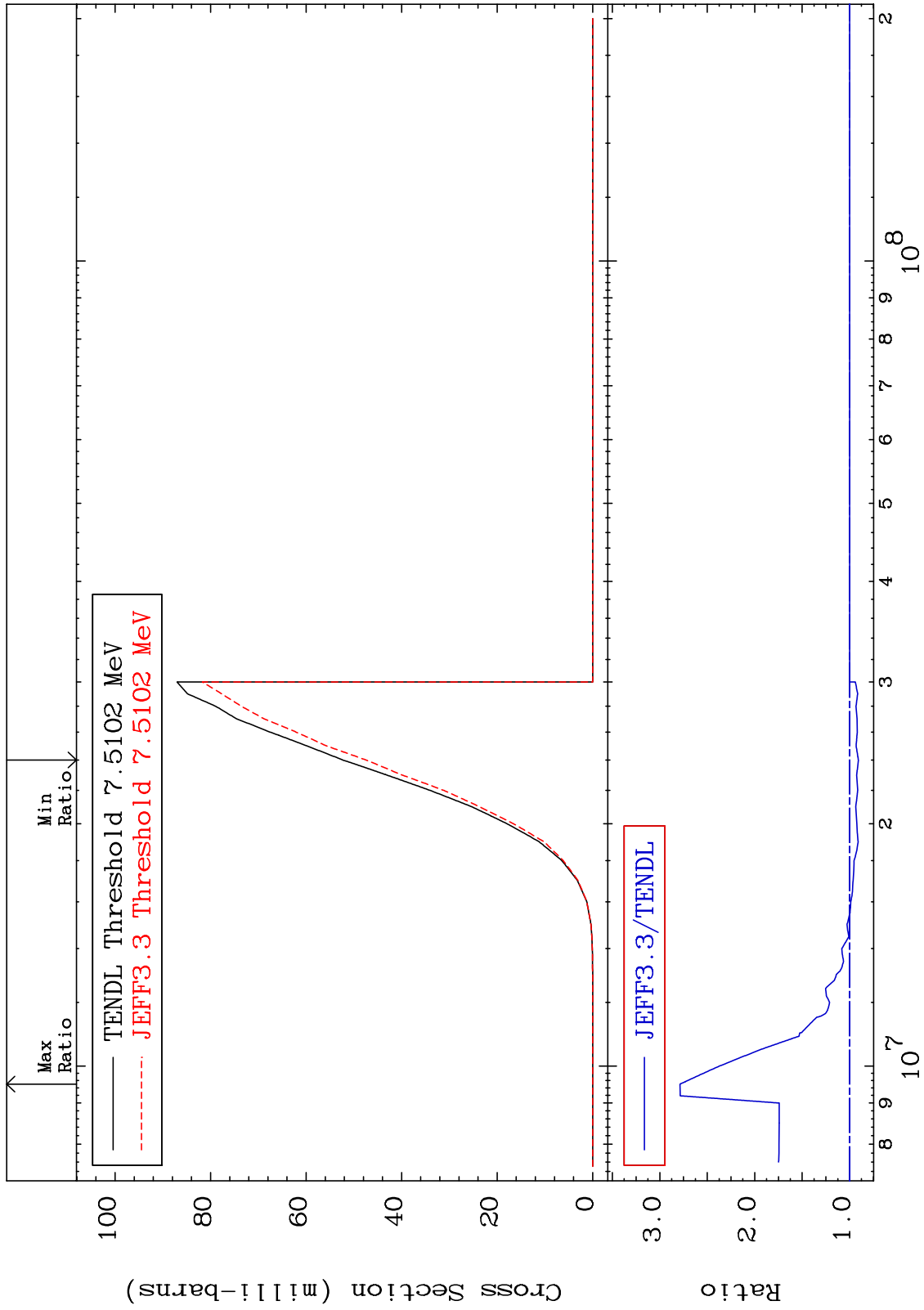
Cross Section

-93.77 To 9999. %

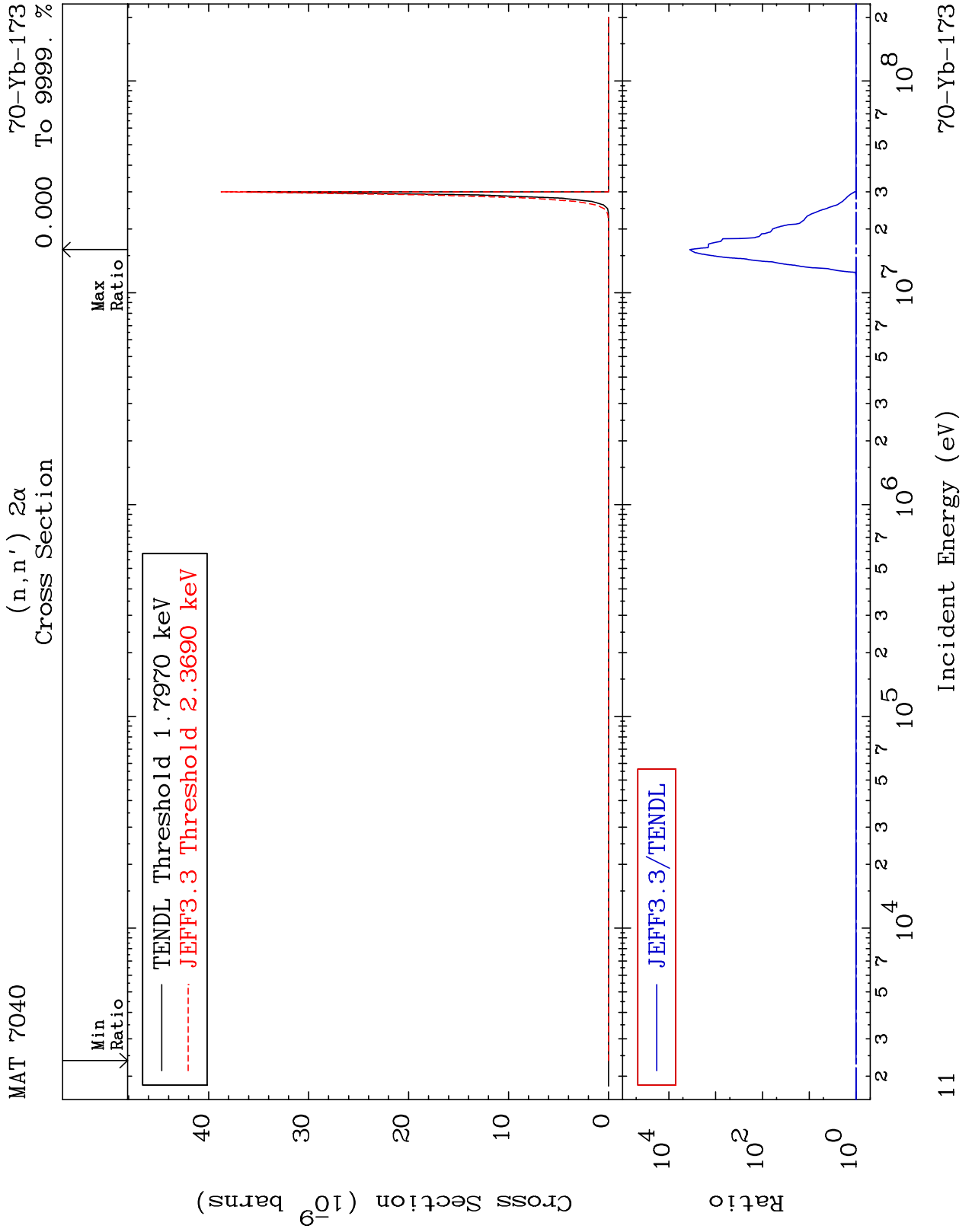




MAT 7040 (n, n') p Cross Section 70-Yb-173 -9.262 To 178.7 %



Incident Energy (eV) 70-Yb-173



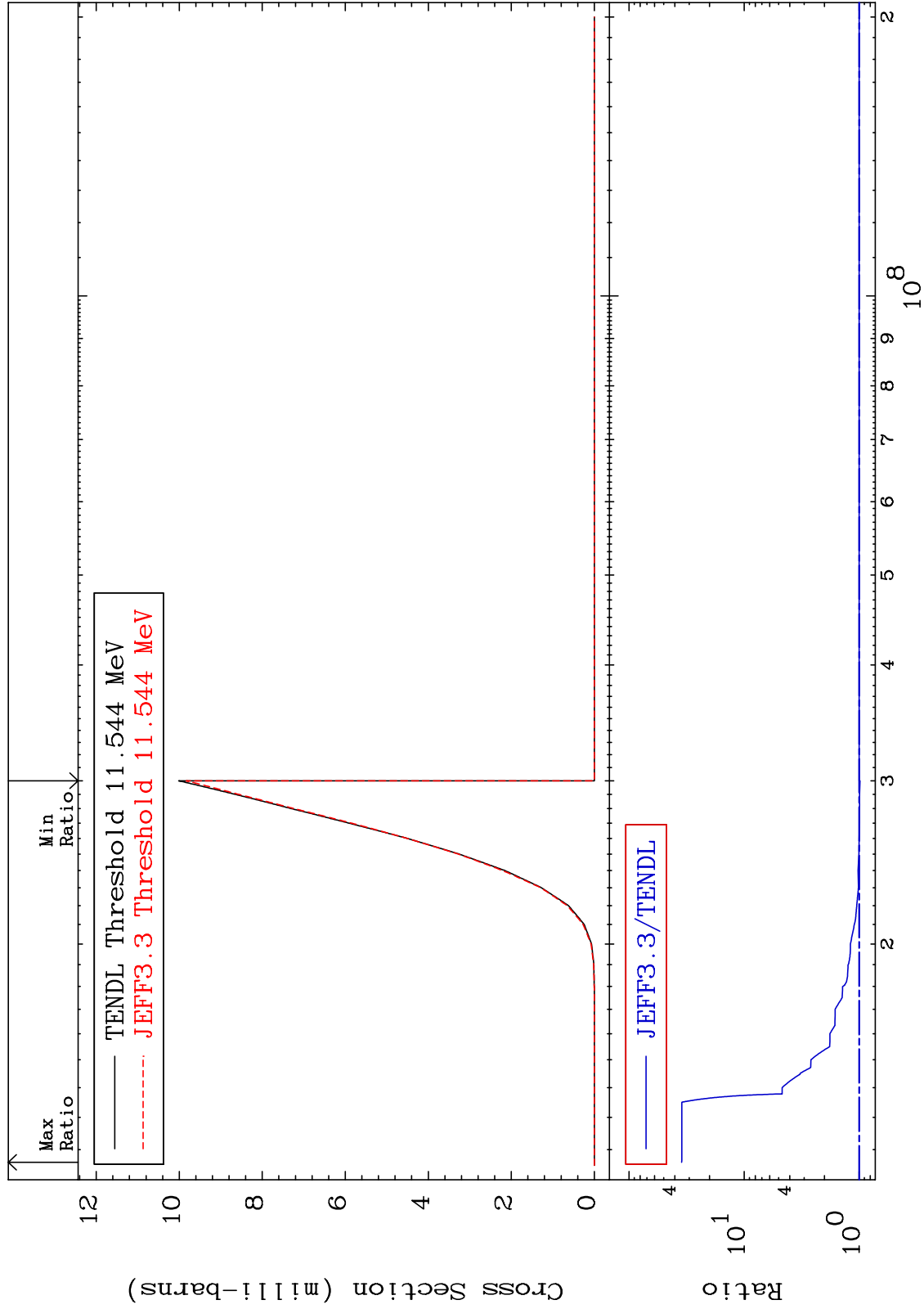
MAT 7040

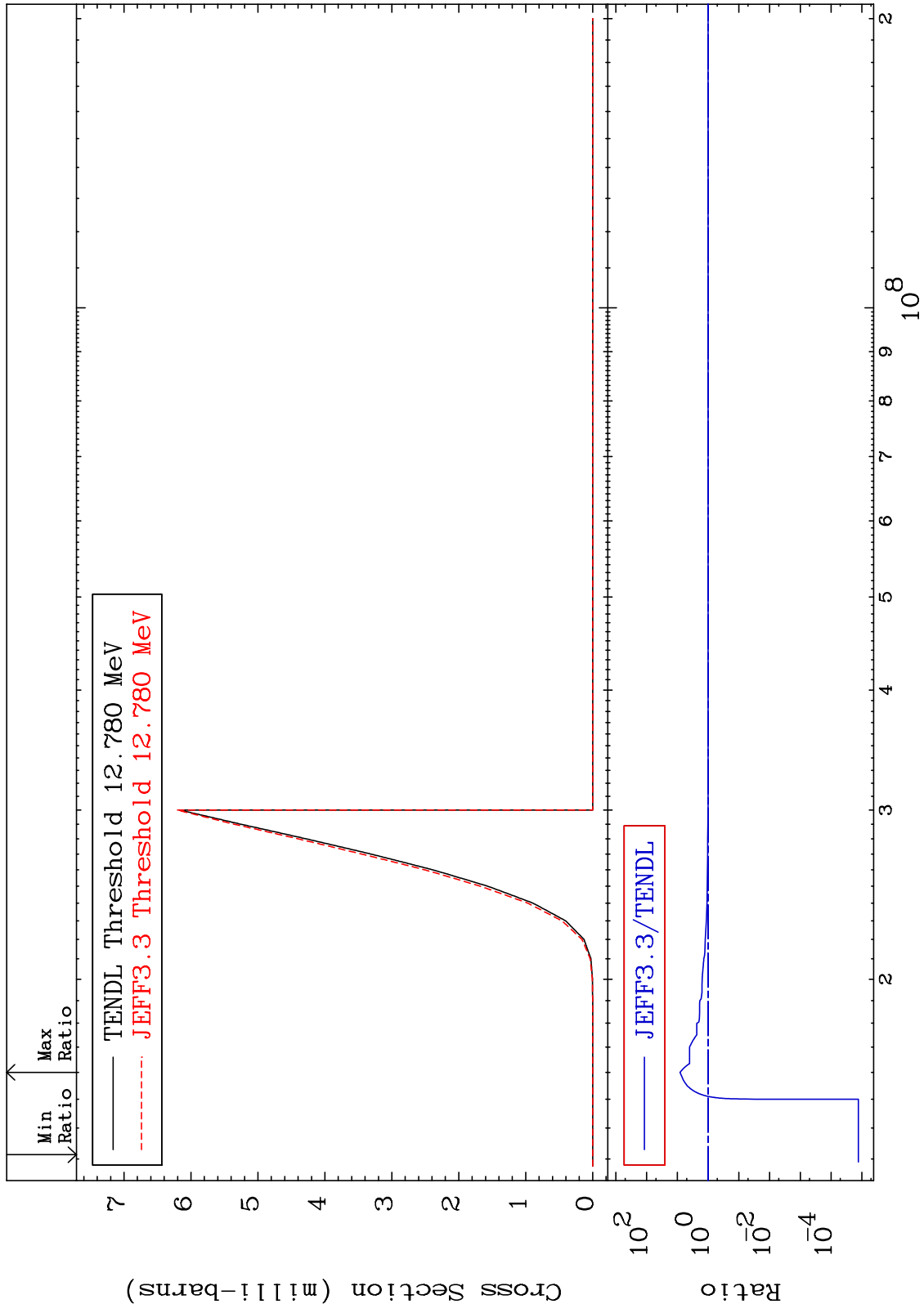
(n, n') d

70-Yb-173

Cross Section

-1.843 To 3389. %

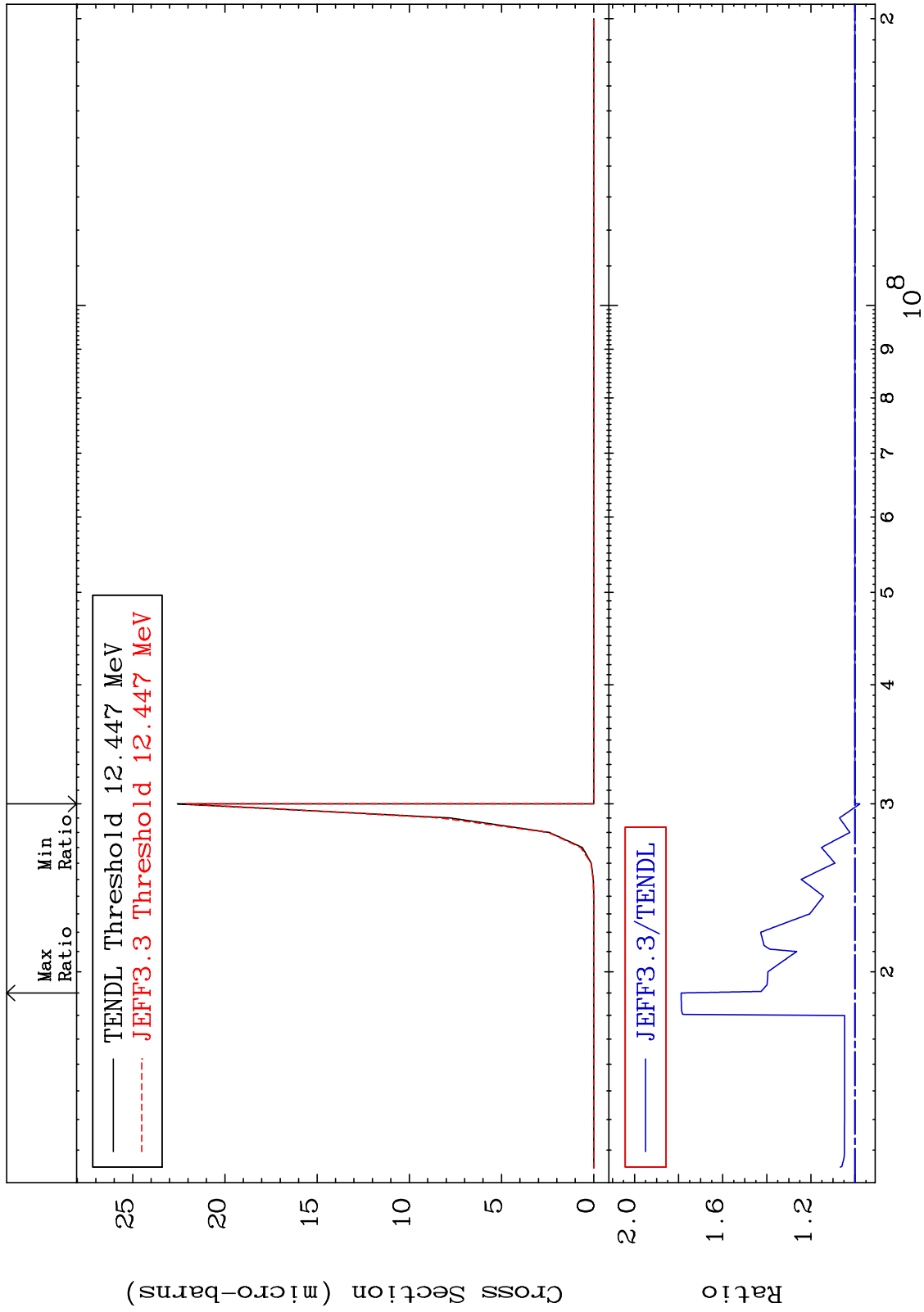


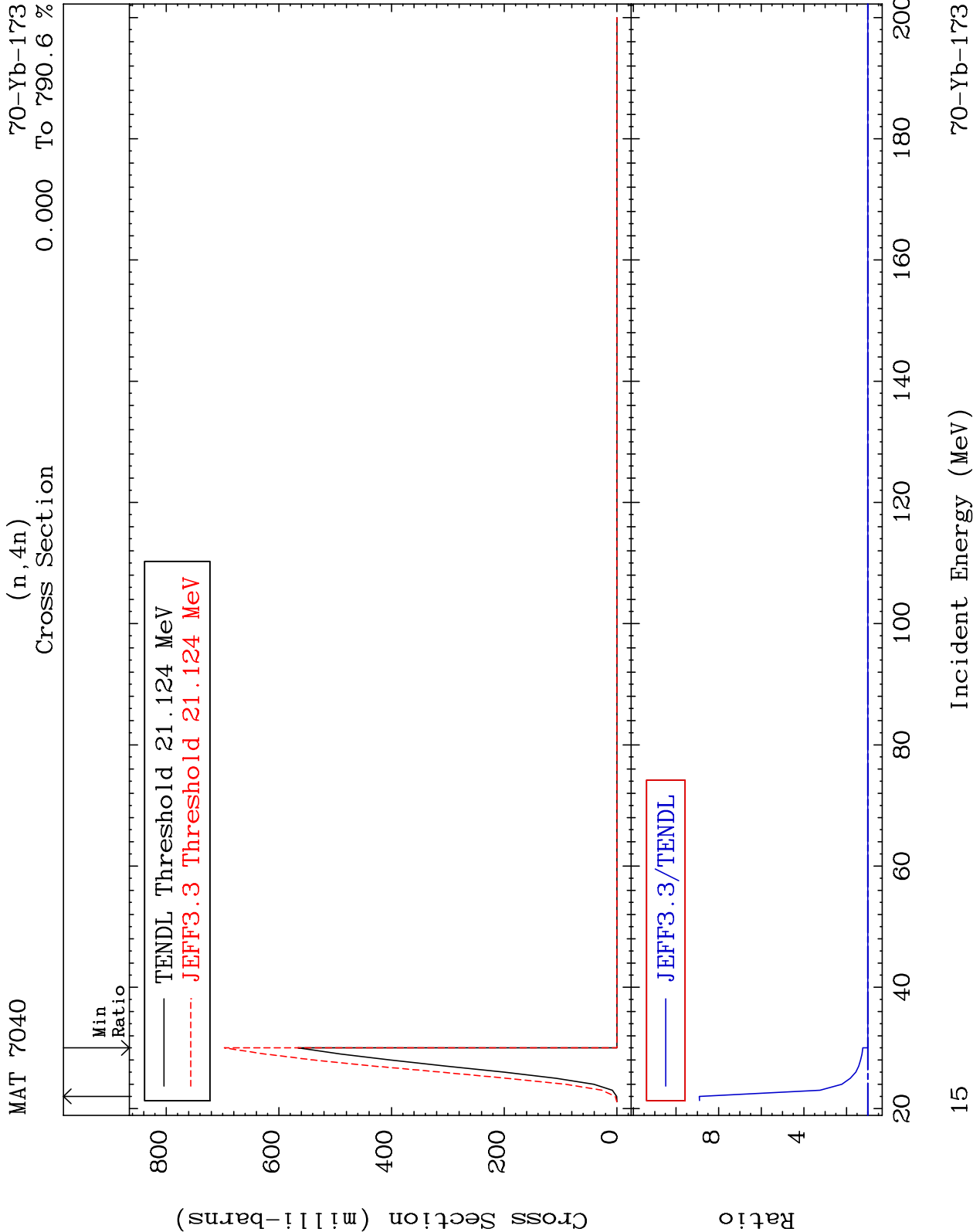


MAT 7040

(n, n') He-3
Cross Section

70-Yb-173
-2.257 To 78.82 %

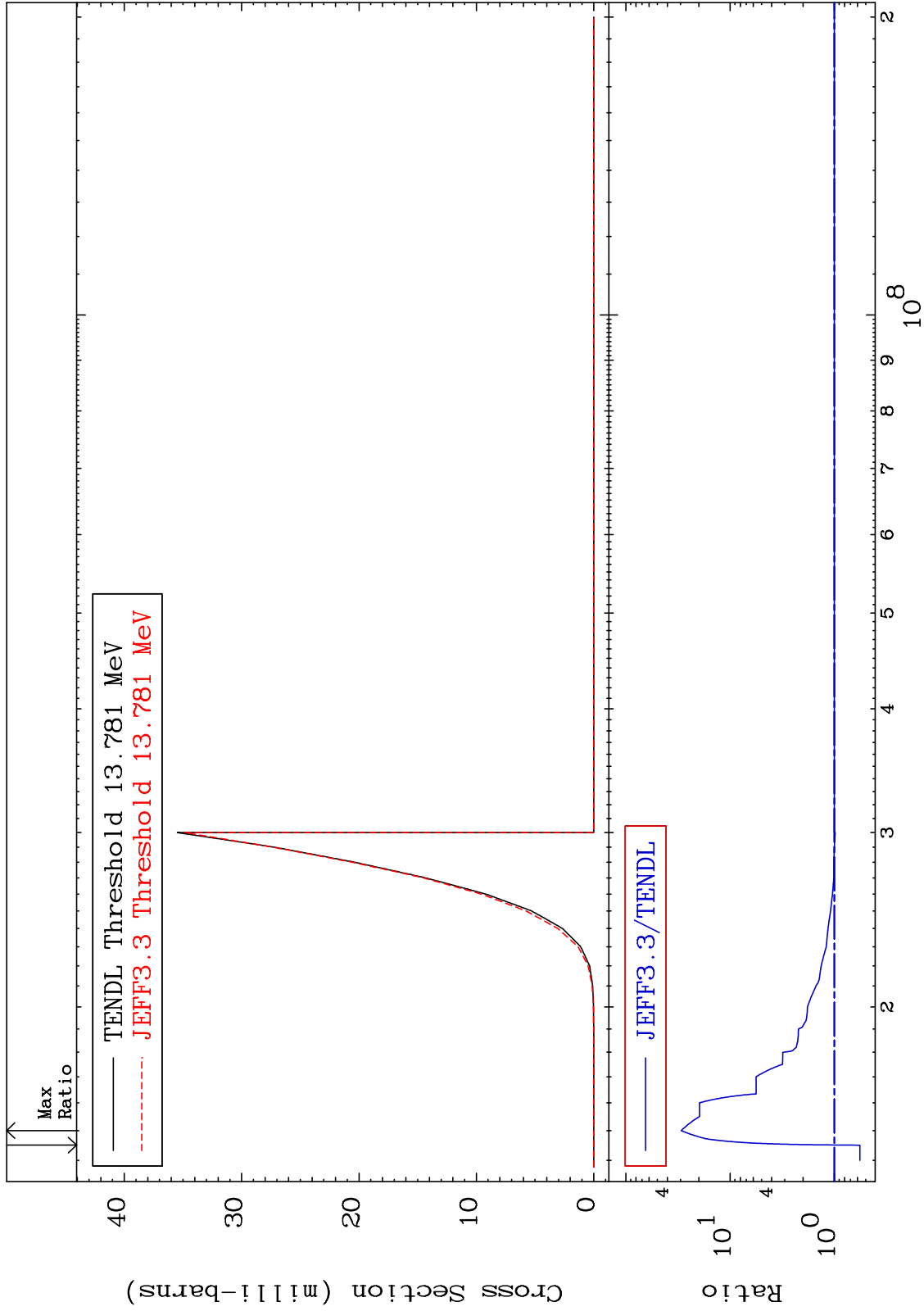




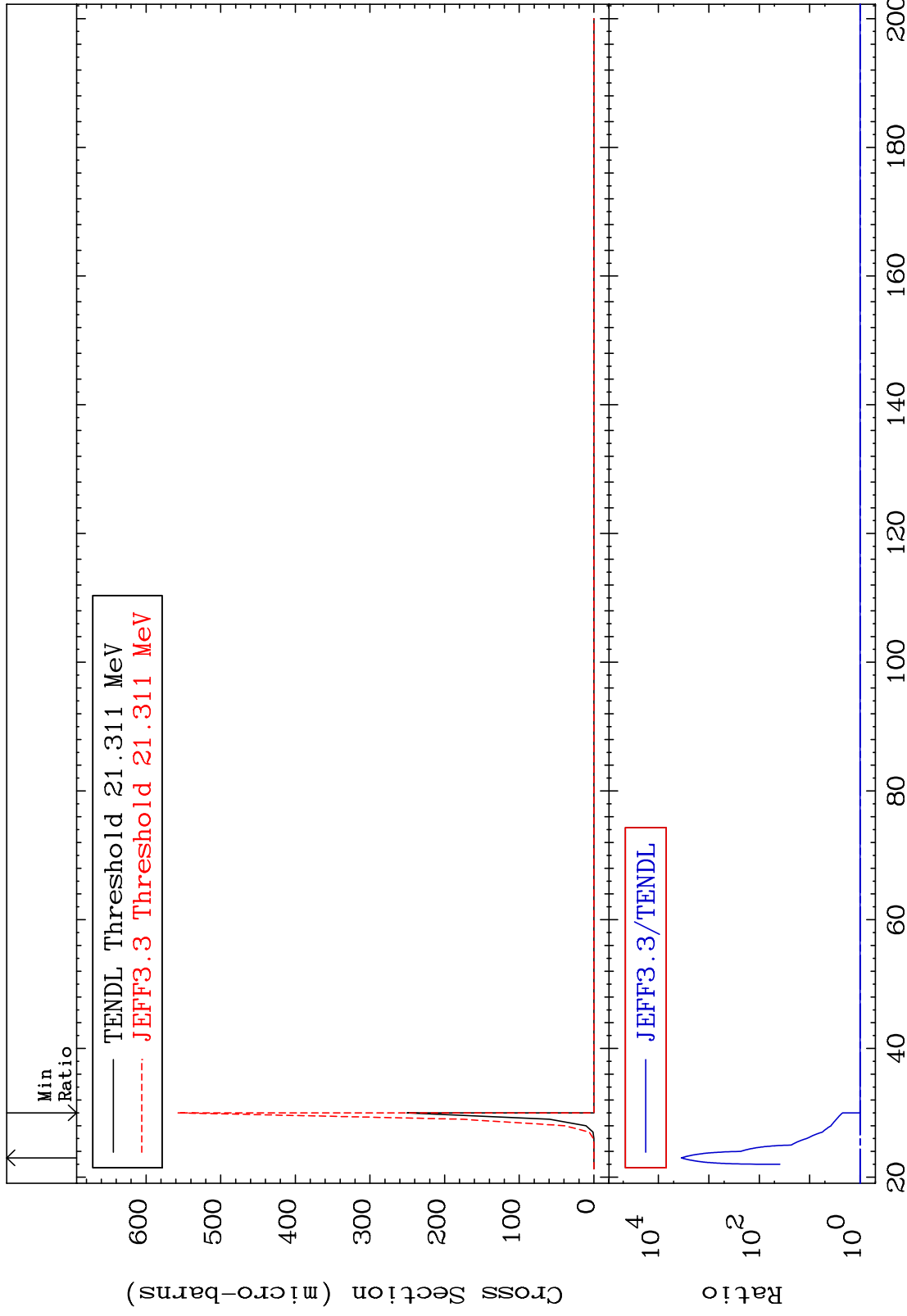
MAT 7040

(n,2n) p
Cross Section

70-Yb-173
-43.10 To 2848. %



MAT 7040 (n,3n) p 70-Yb-173
 Cross Section 0.000 To 9999. %



17 70-Yb-173 Incident Energy (MeV)

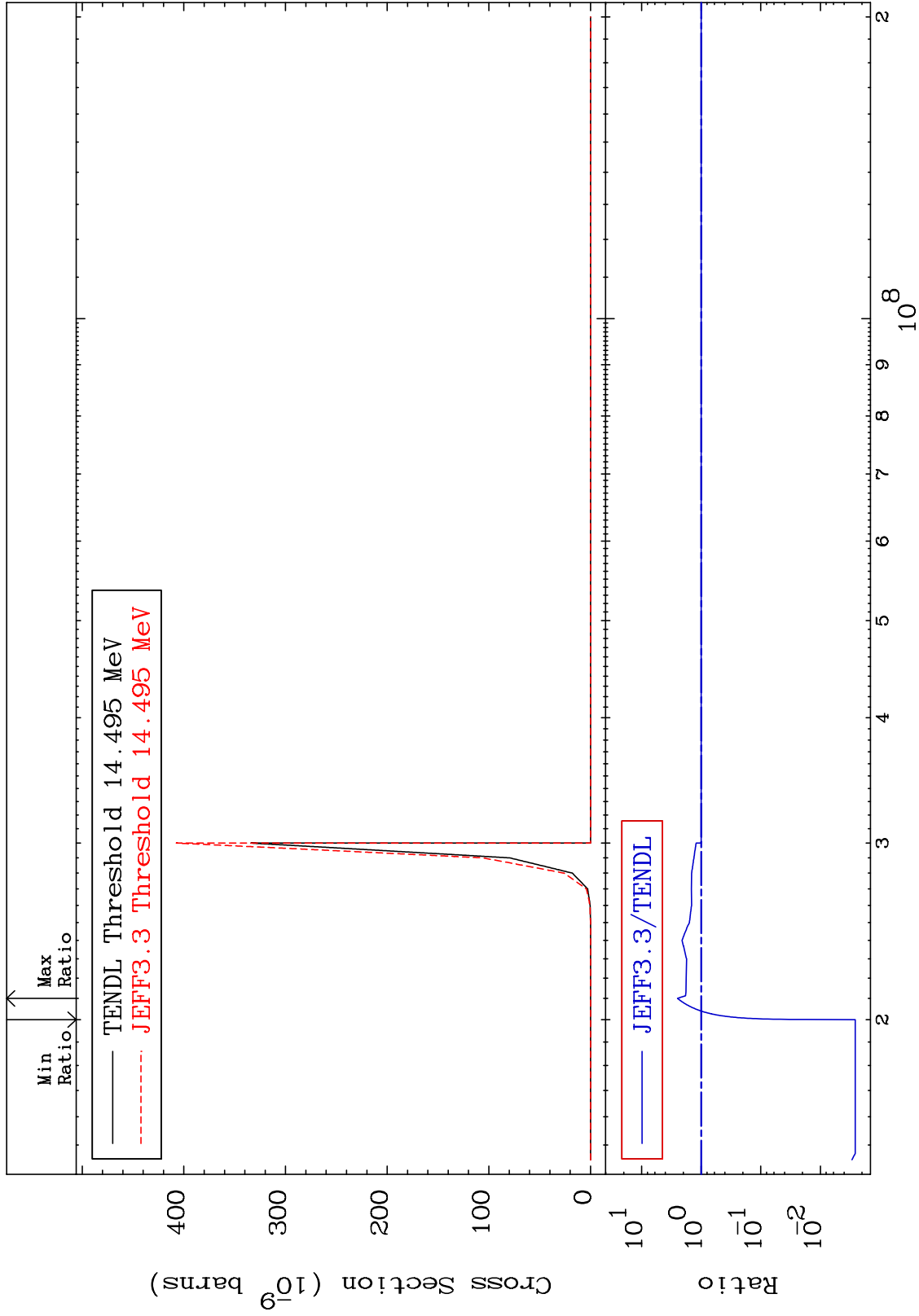
MAT 7040

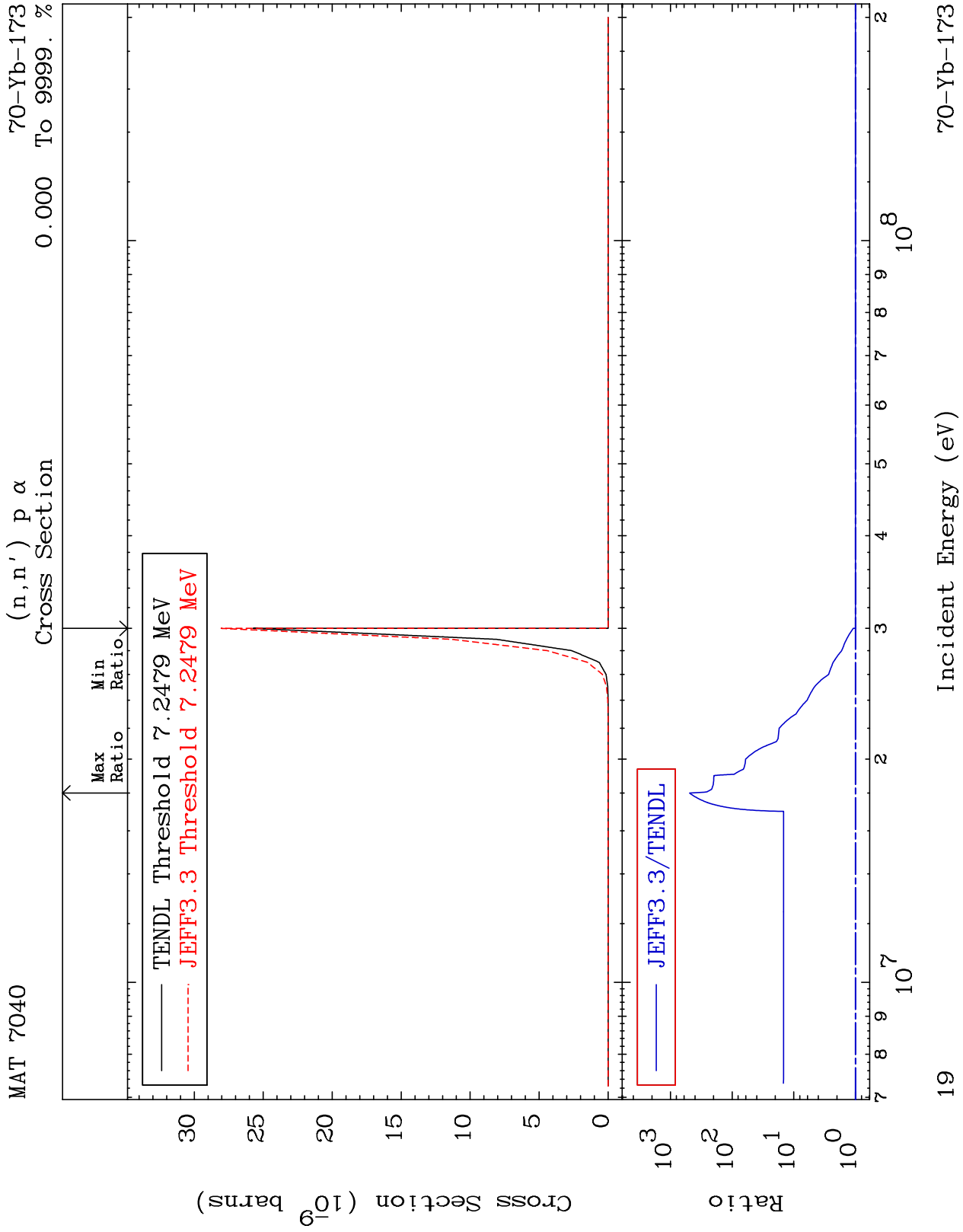
(n,2n) p

70-Yb-173

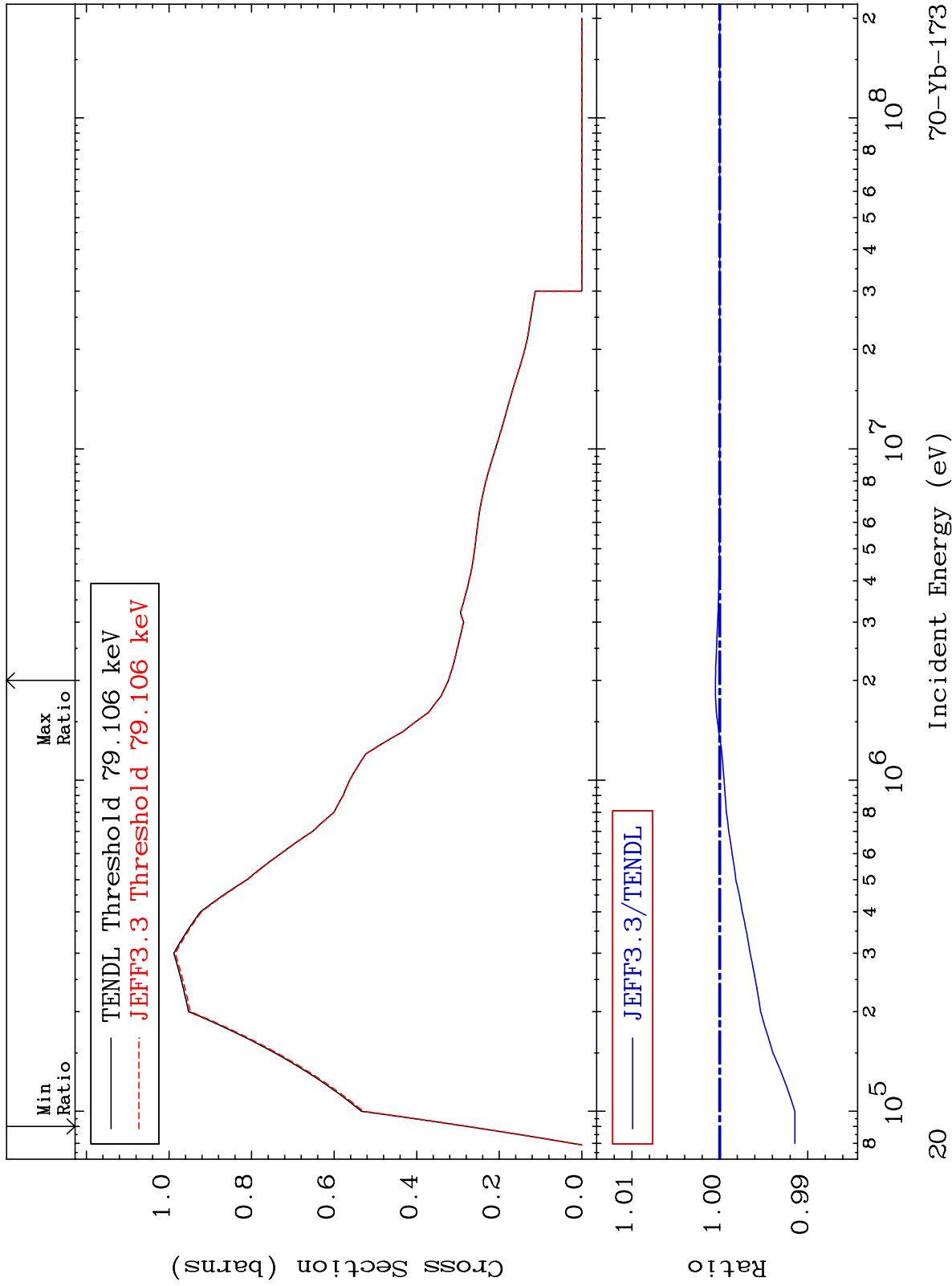
Cross Section

-99.74 To 150.1 %

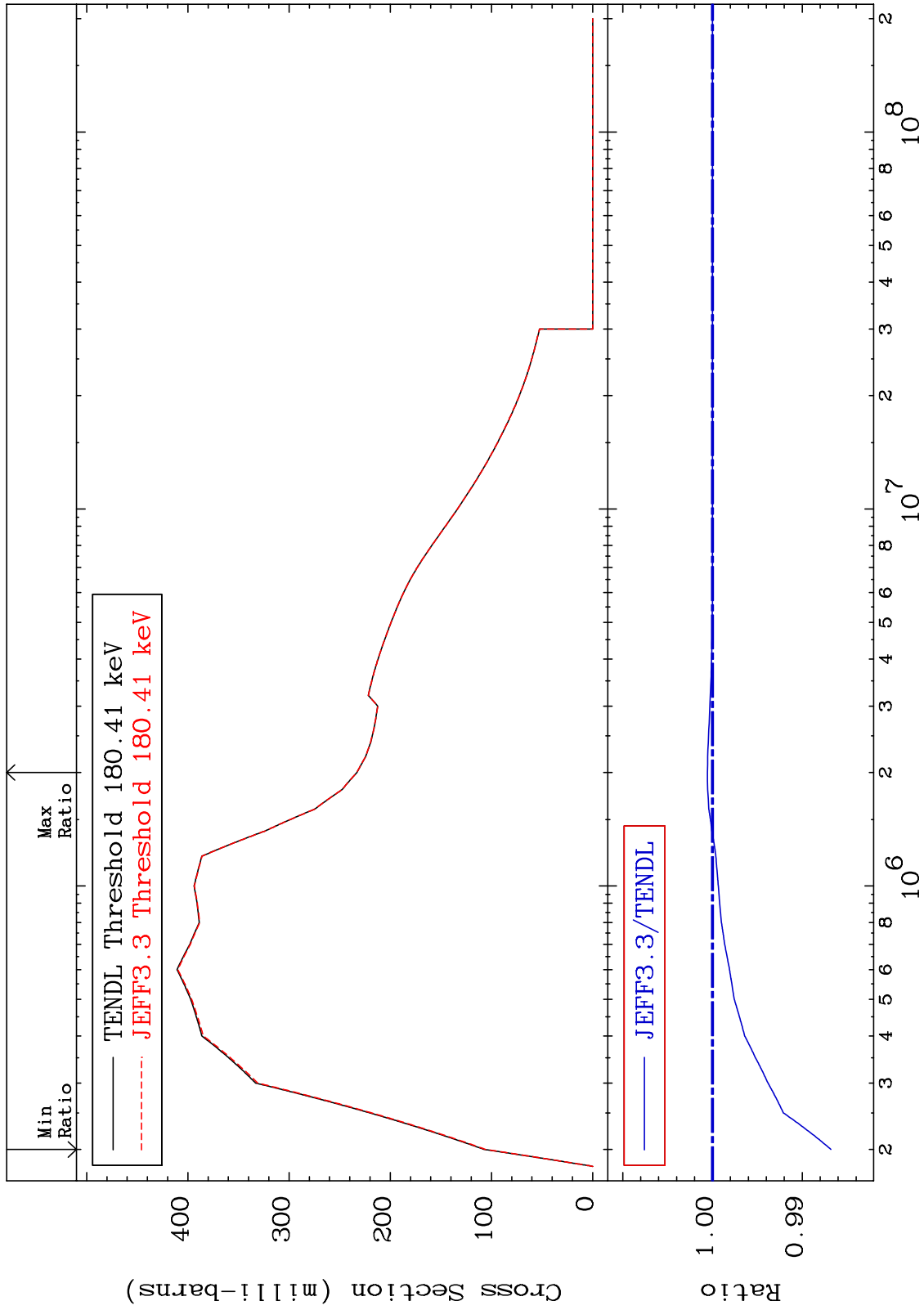




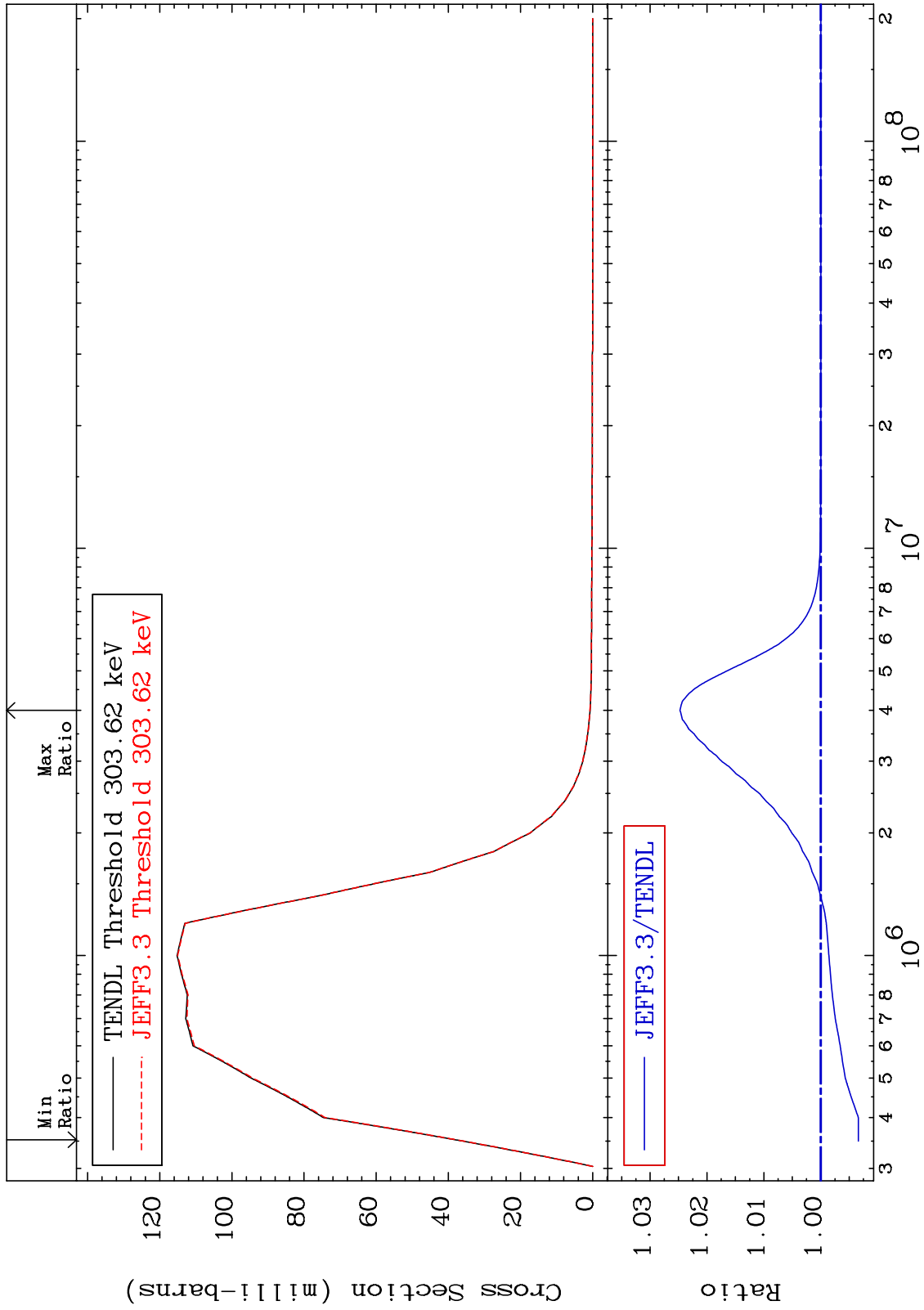
MAT 7040 MT= 51 (n,n') Level Cross Section -0.854 To 0.049 % 70-Yb-173



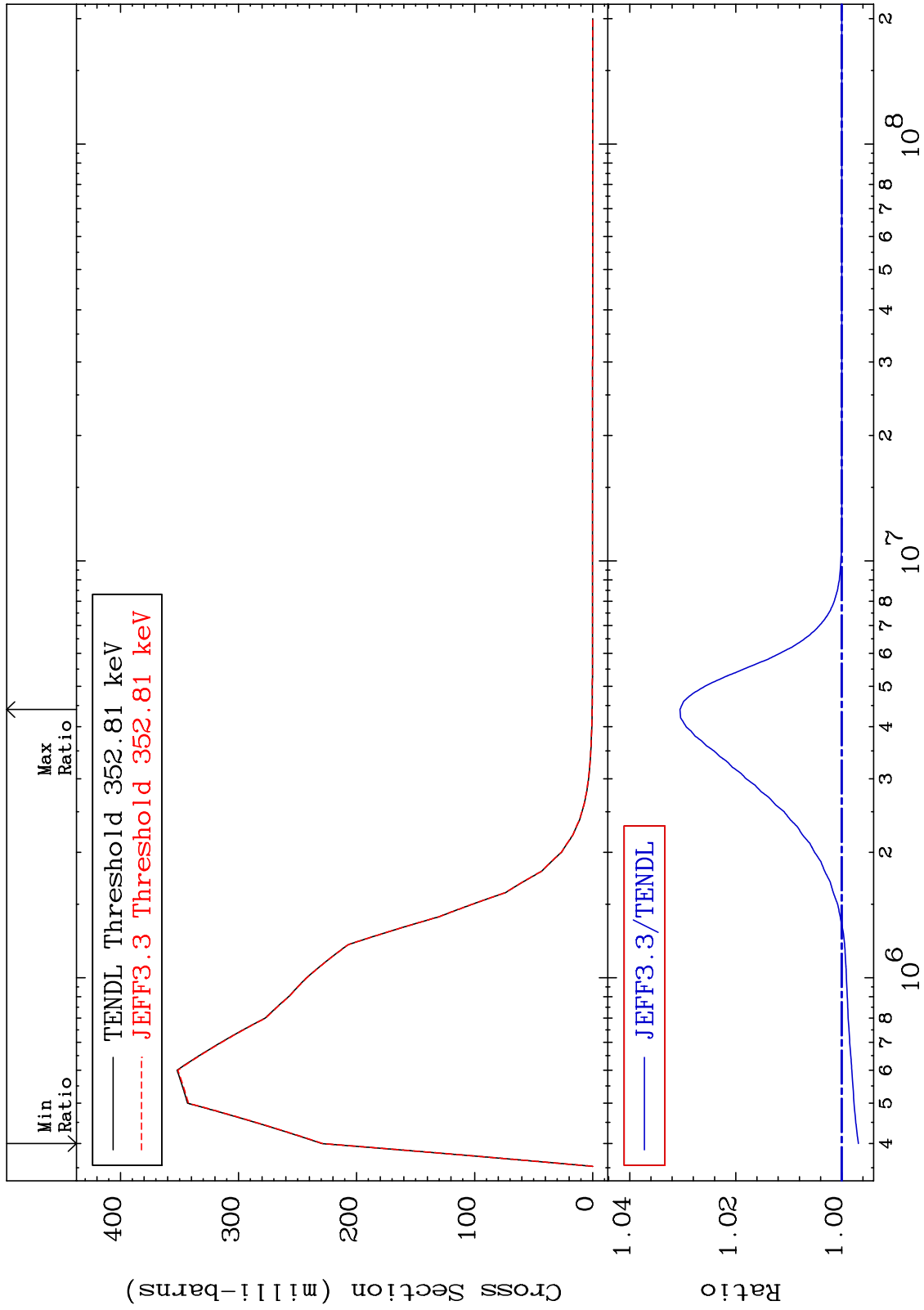
MAT 7040 MT= 52 (n,n') Level
 Cross Section -1.320 To 0.056 % 70-Yb-173

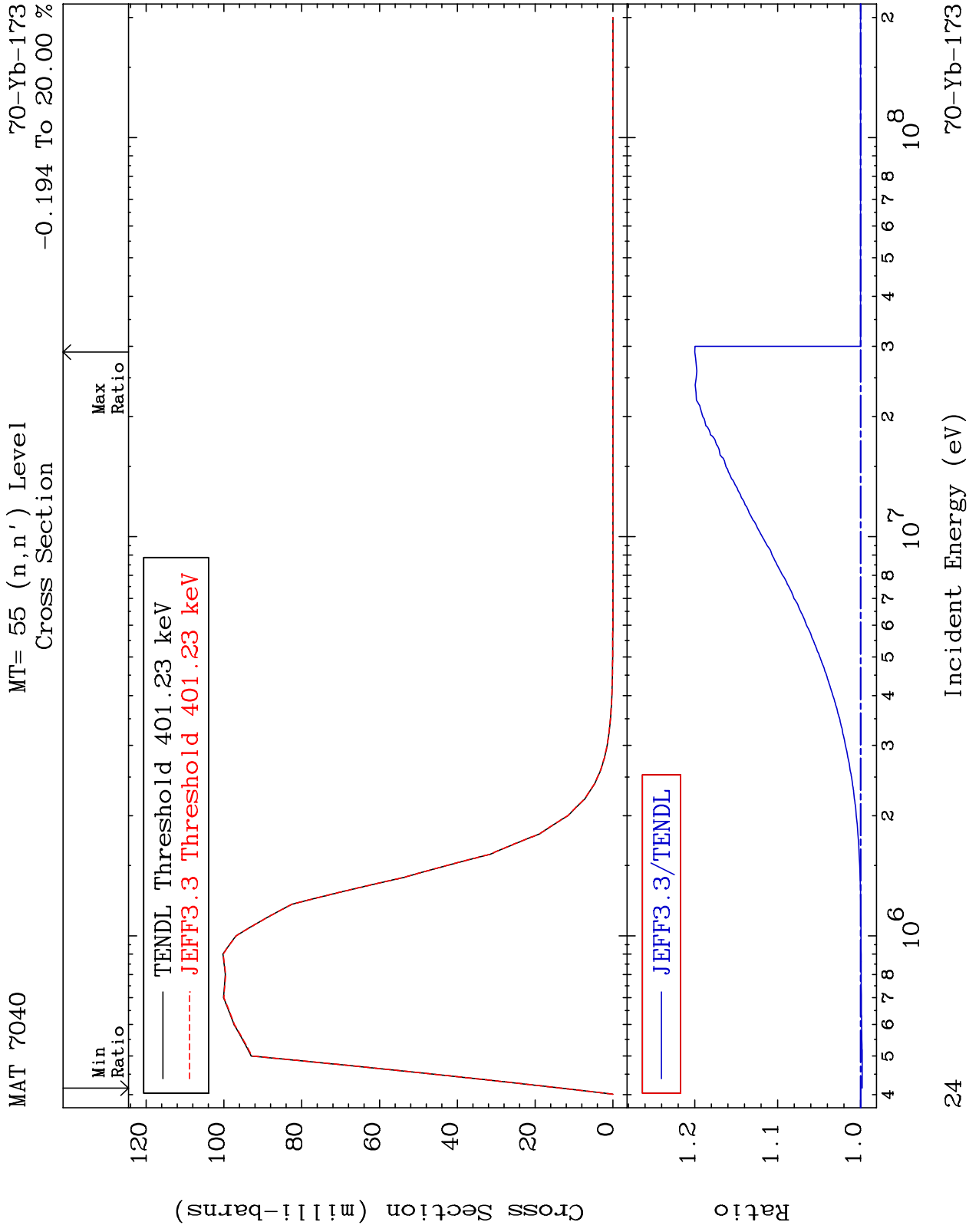


MAT 7040 MT= 53 (n,n') Level Cross Section -0.662 To 2.474 % 70-Yb-173

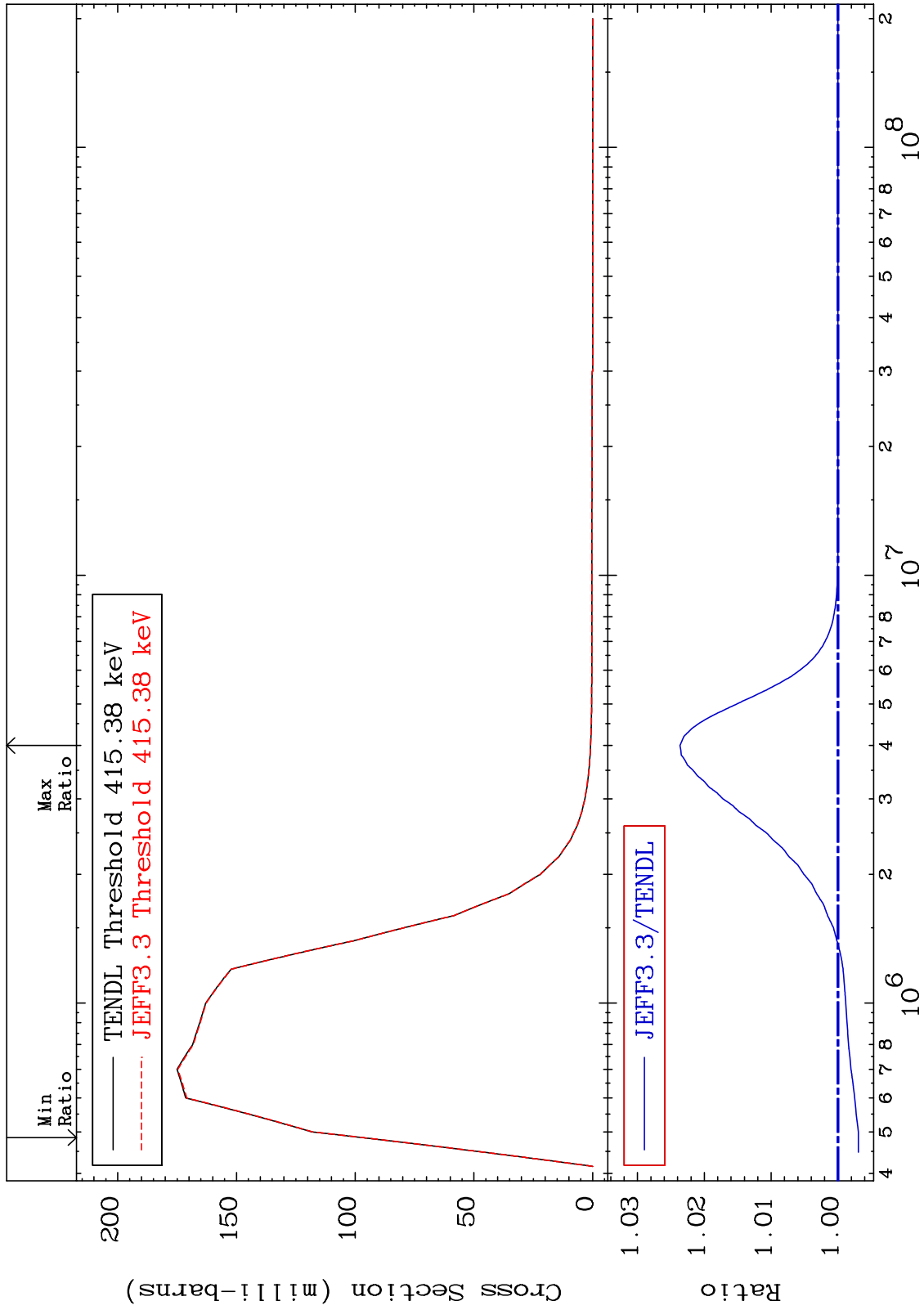


MAT 7040 MT= 54 (n,n') Level Cross Section -0.314 To 3.052 % 70-Yb-173





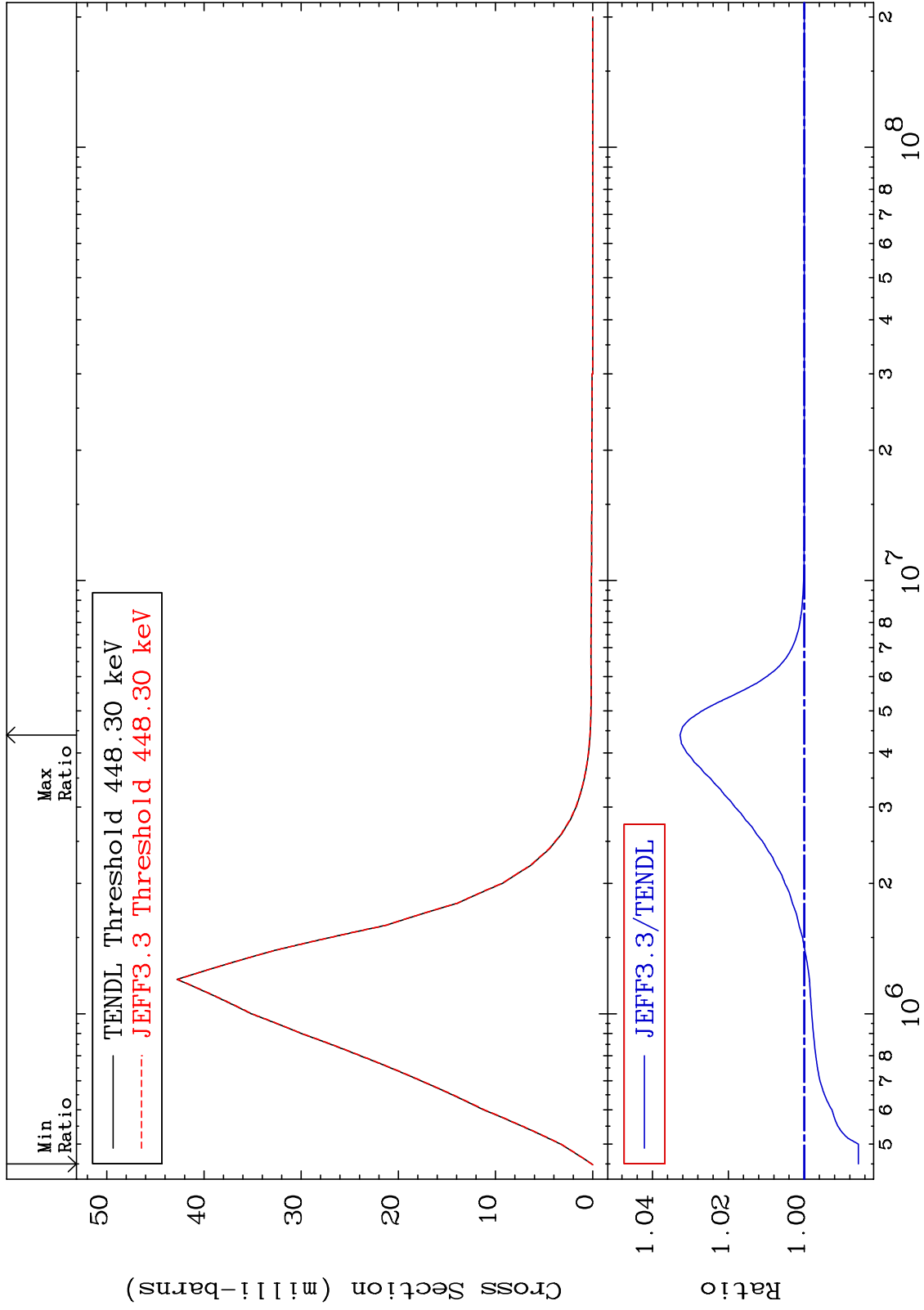
MAT 7040 MT= 56 (n,n') Level Cross Section -0.306 To 2.364 % 70-Yb-173



MAT 7040

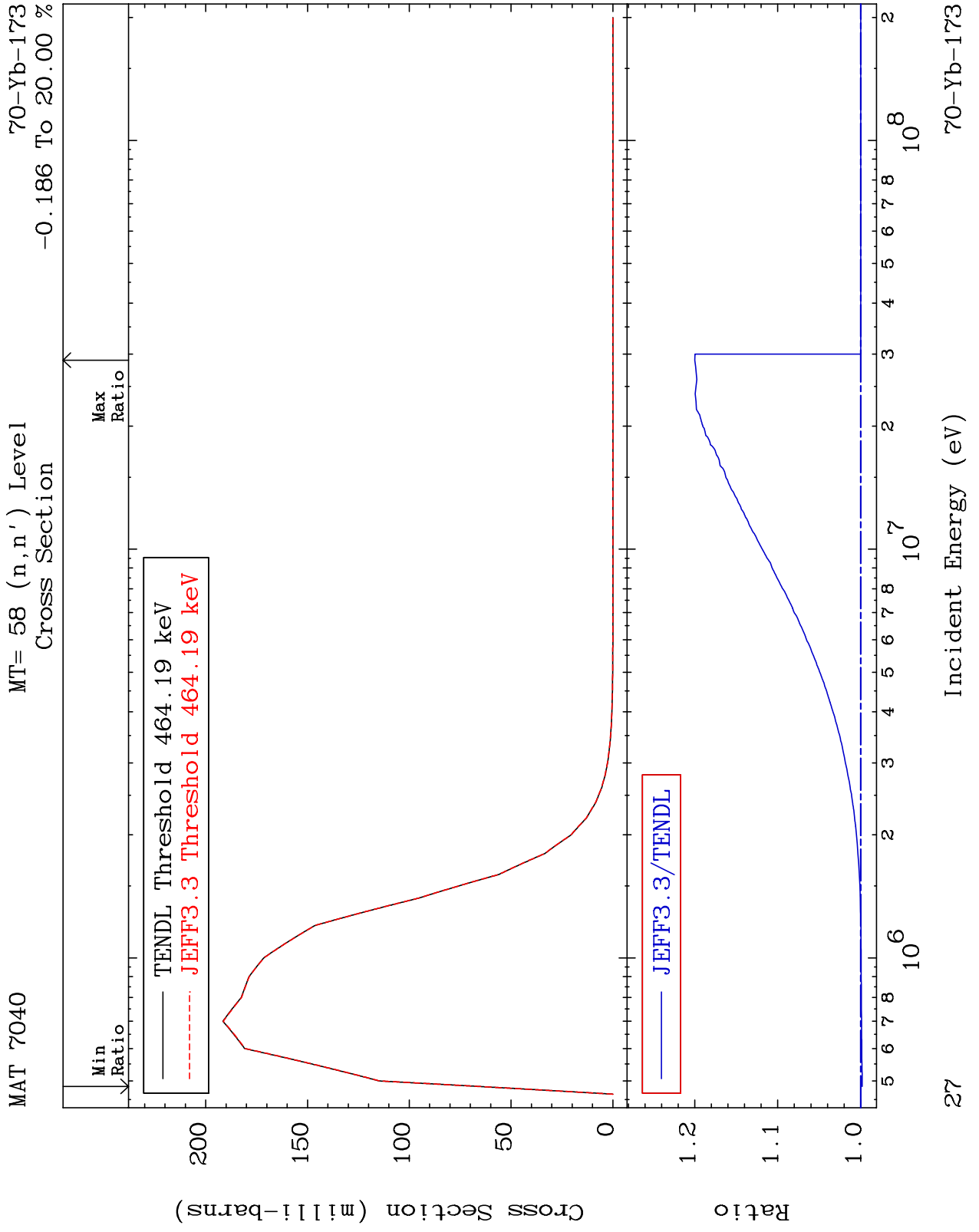
MT= 57 (n,n') Level
Cross Section

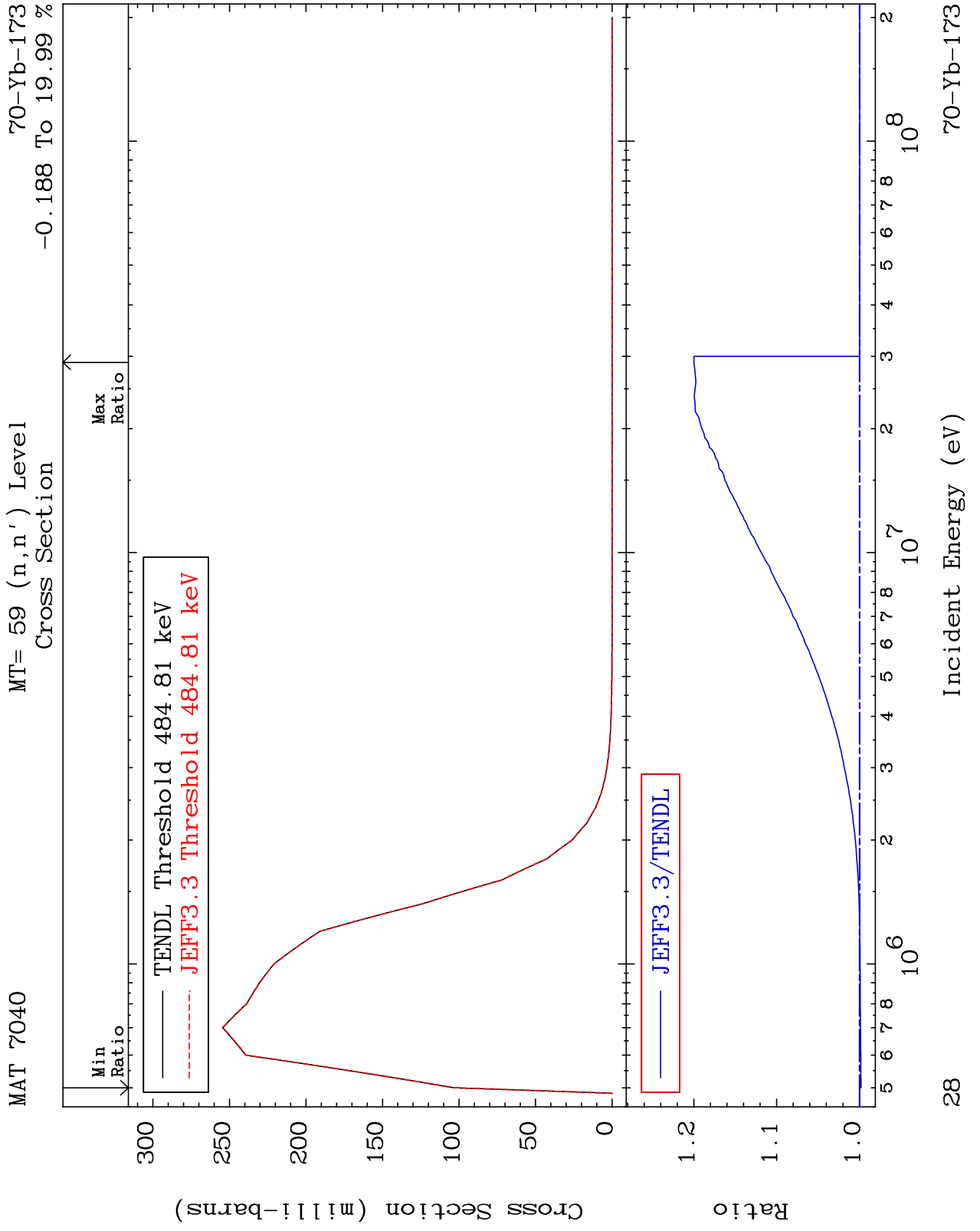
70-Yb-173
-1.427 To 3.272 %



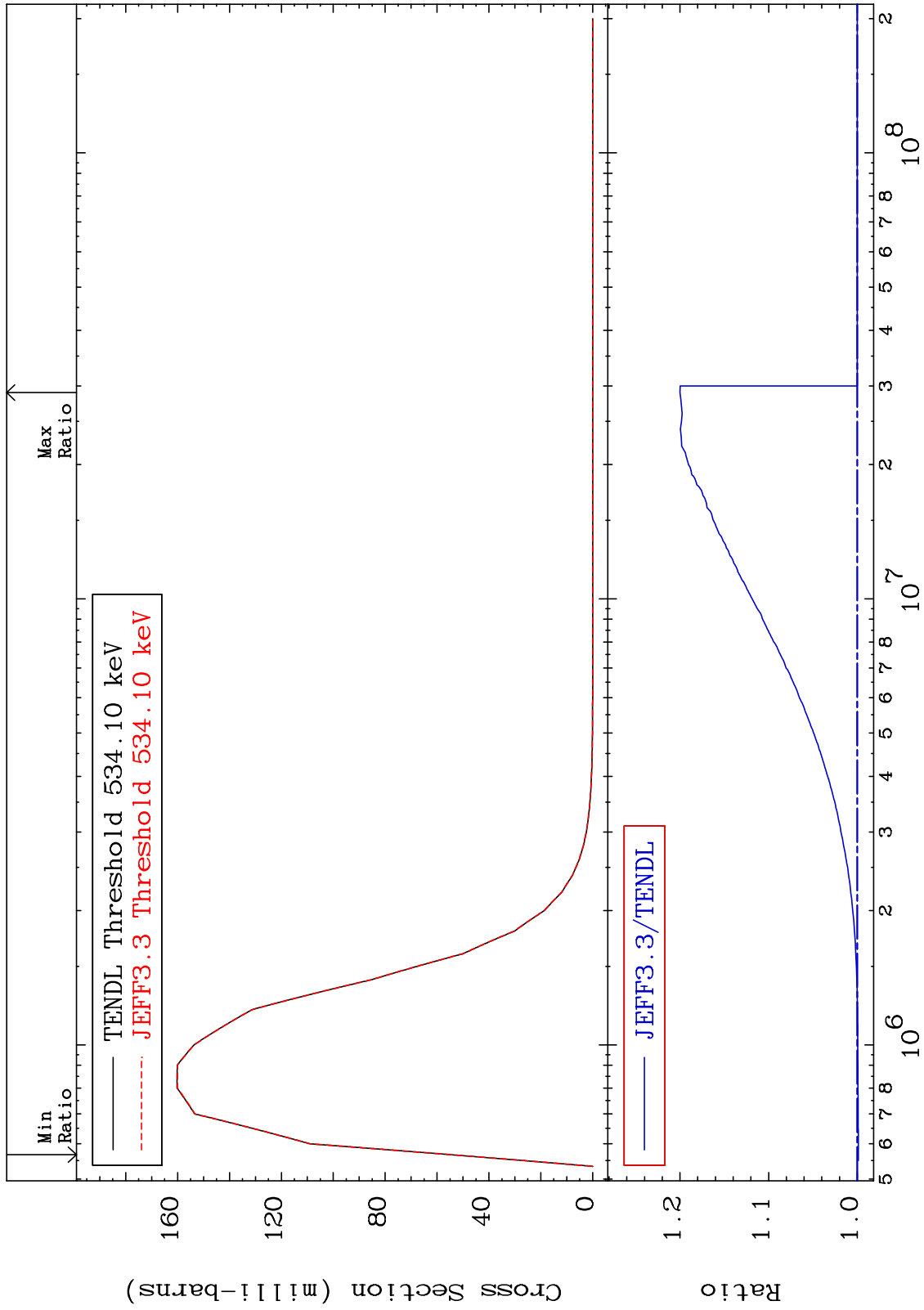
26

70-Yb-173





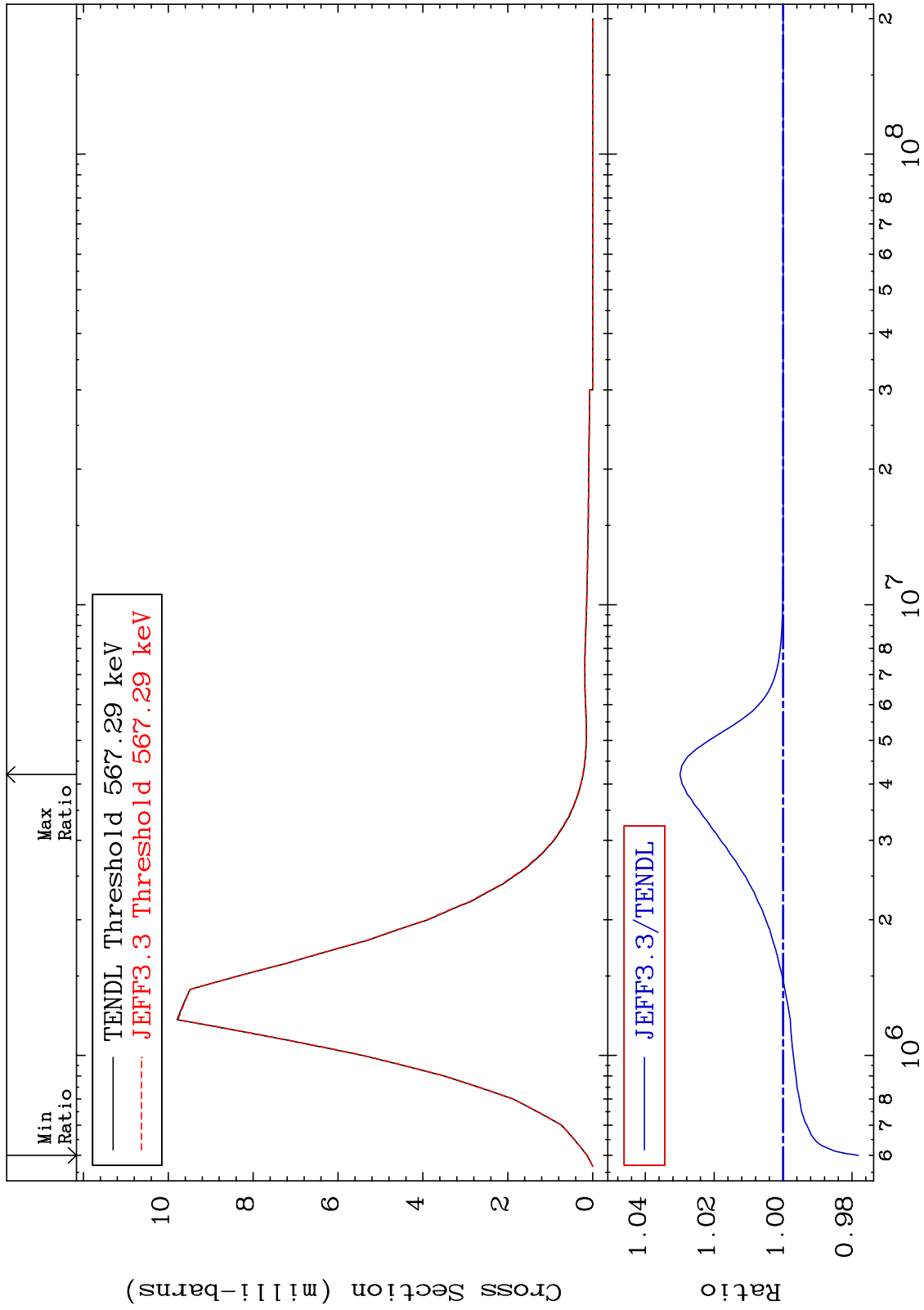
MAT 7040 MT= 60 (n,n') Level Cross Section -0.127 To 20.00 % 70-Yb-173



MAT 7040

MT= 61 (n,n') Level
Cross Section

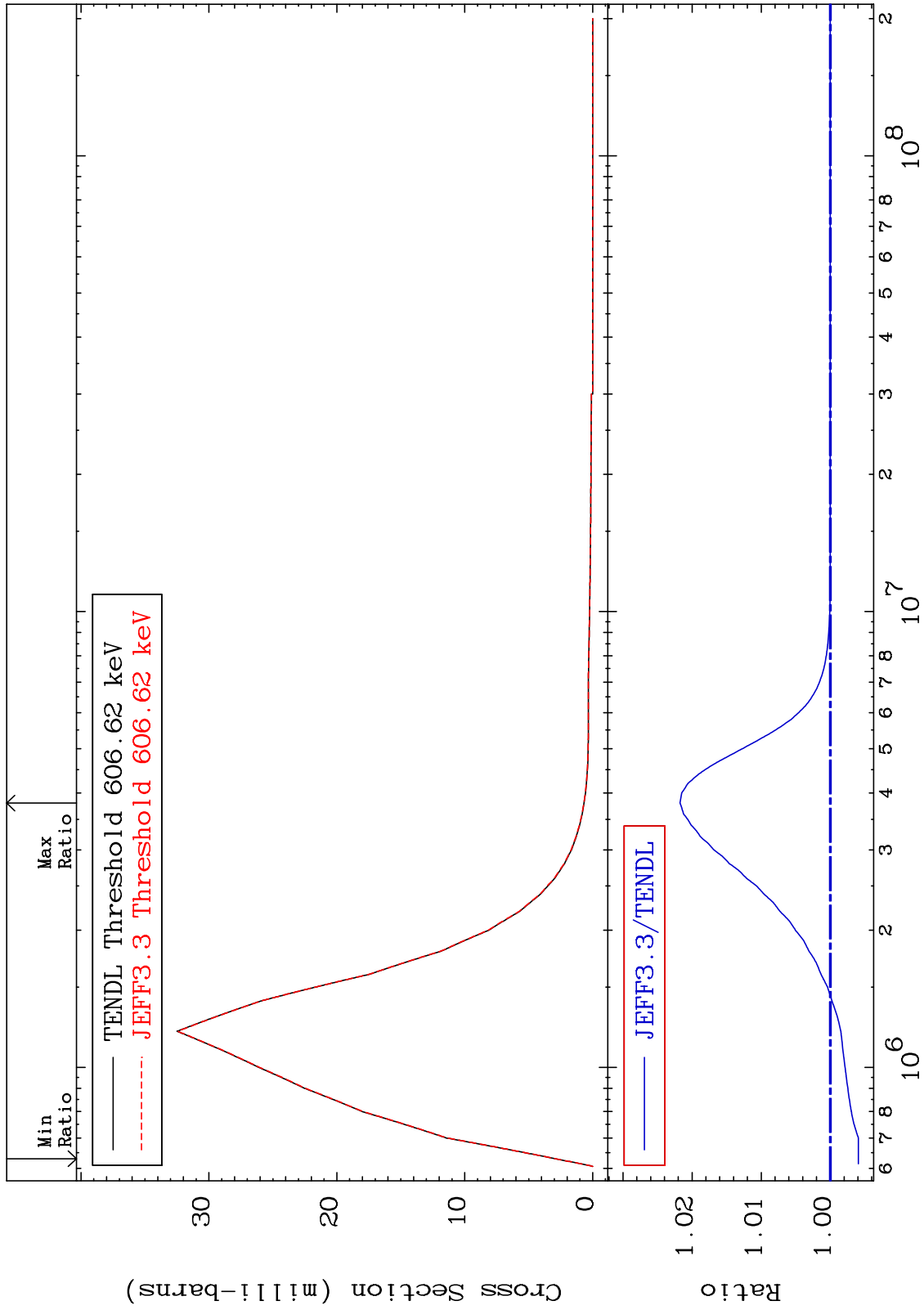
70-Yb-173
-2.185 To 2.992 %



30

70-Yb-173

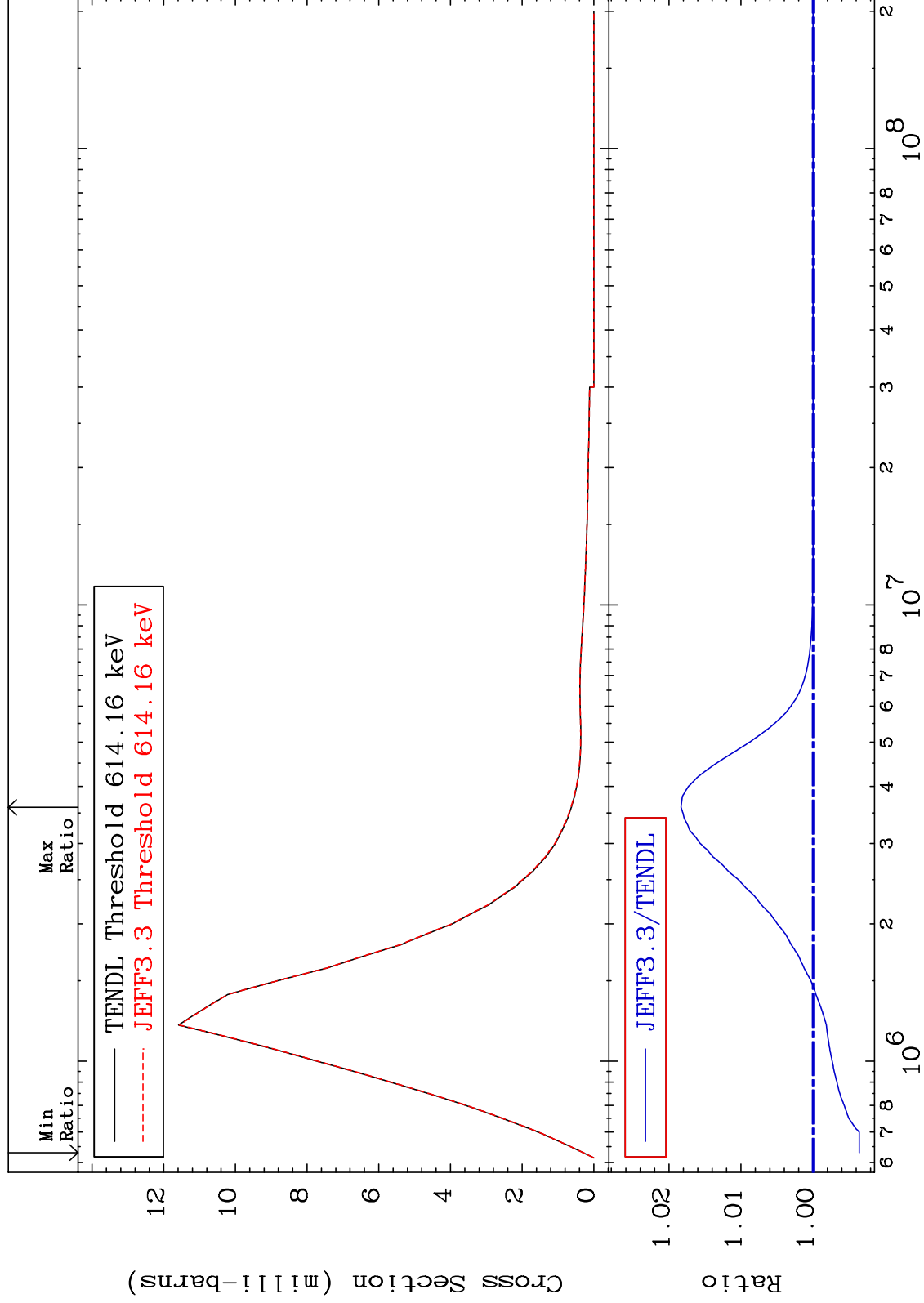
MAT 7040 MT= 62 (n,n') Level
 Cross Section 70-Yb-173
 -0.407 To 2.175 %



MAT 7040

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

70-Yb-173
-0.642 To 1.832 %

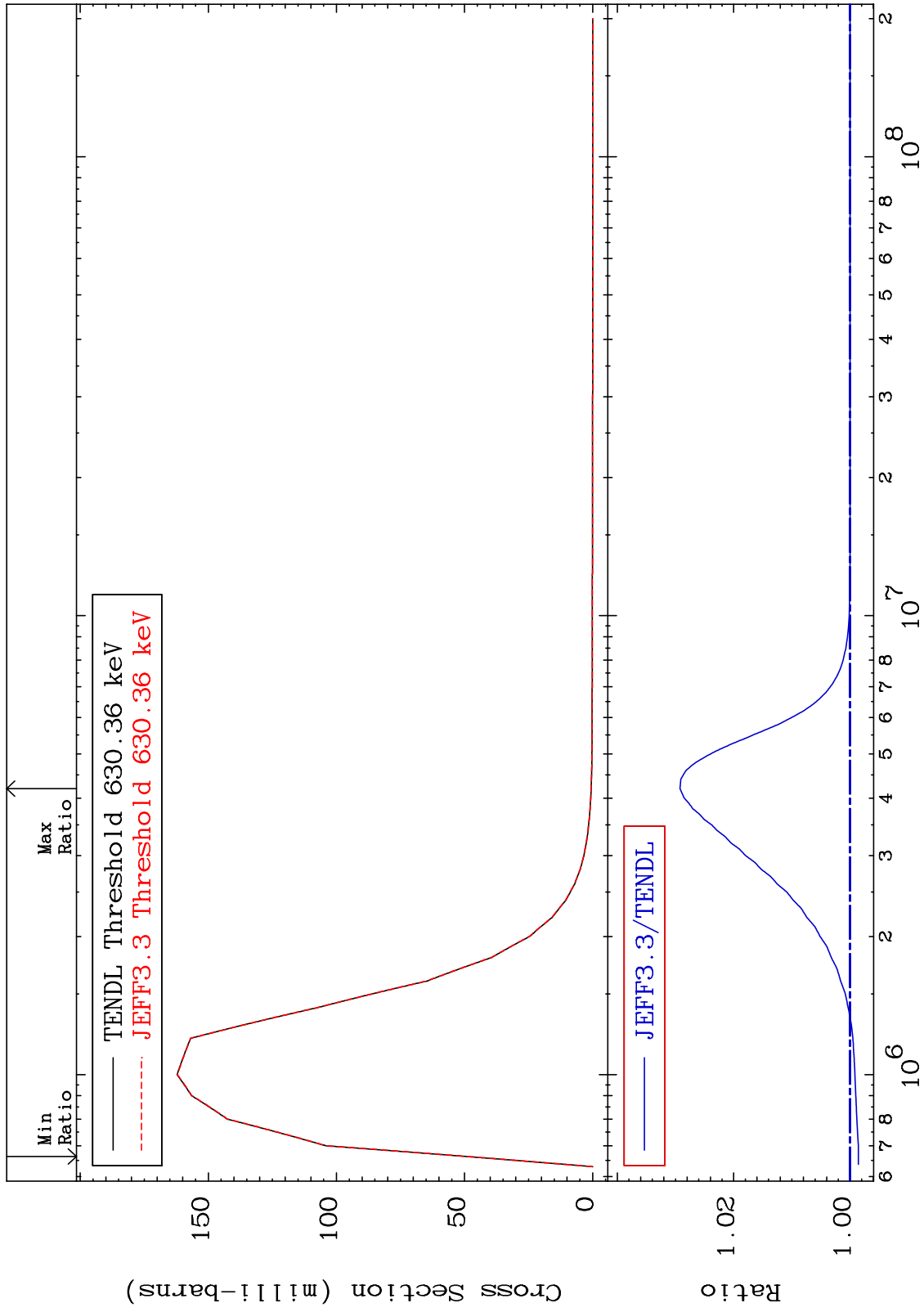


32

Incident Energy (eV)

70-Yb-173

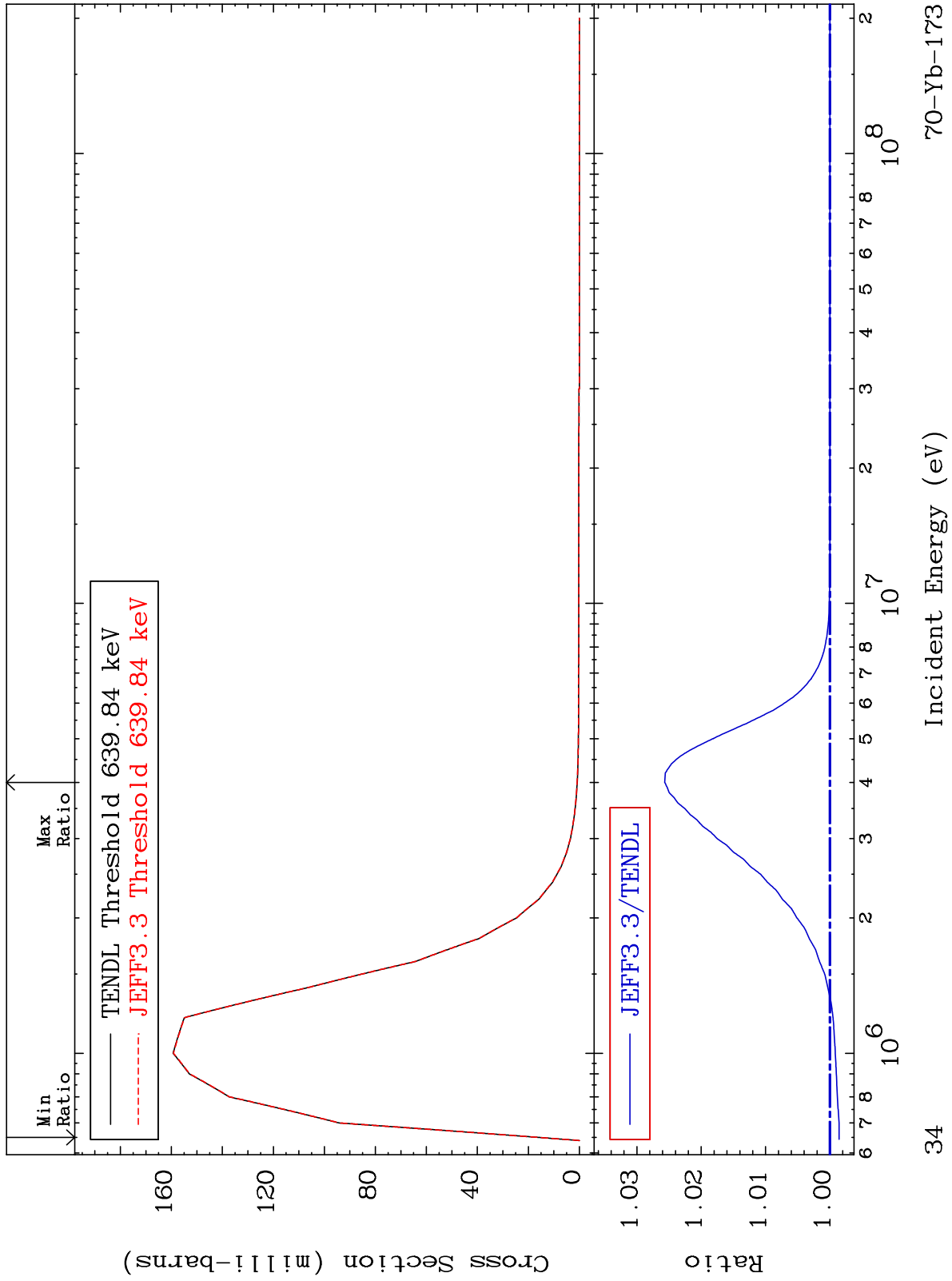
MAT 7040 MT= 64 (n,n') Level
Cross Section 70-Yb-173
-0.144 To 2.923 %



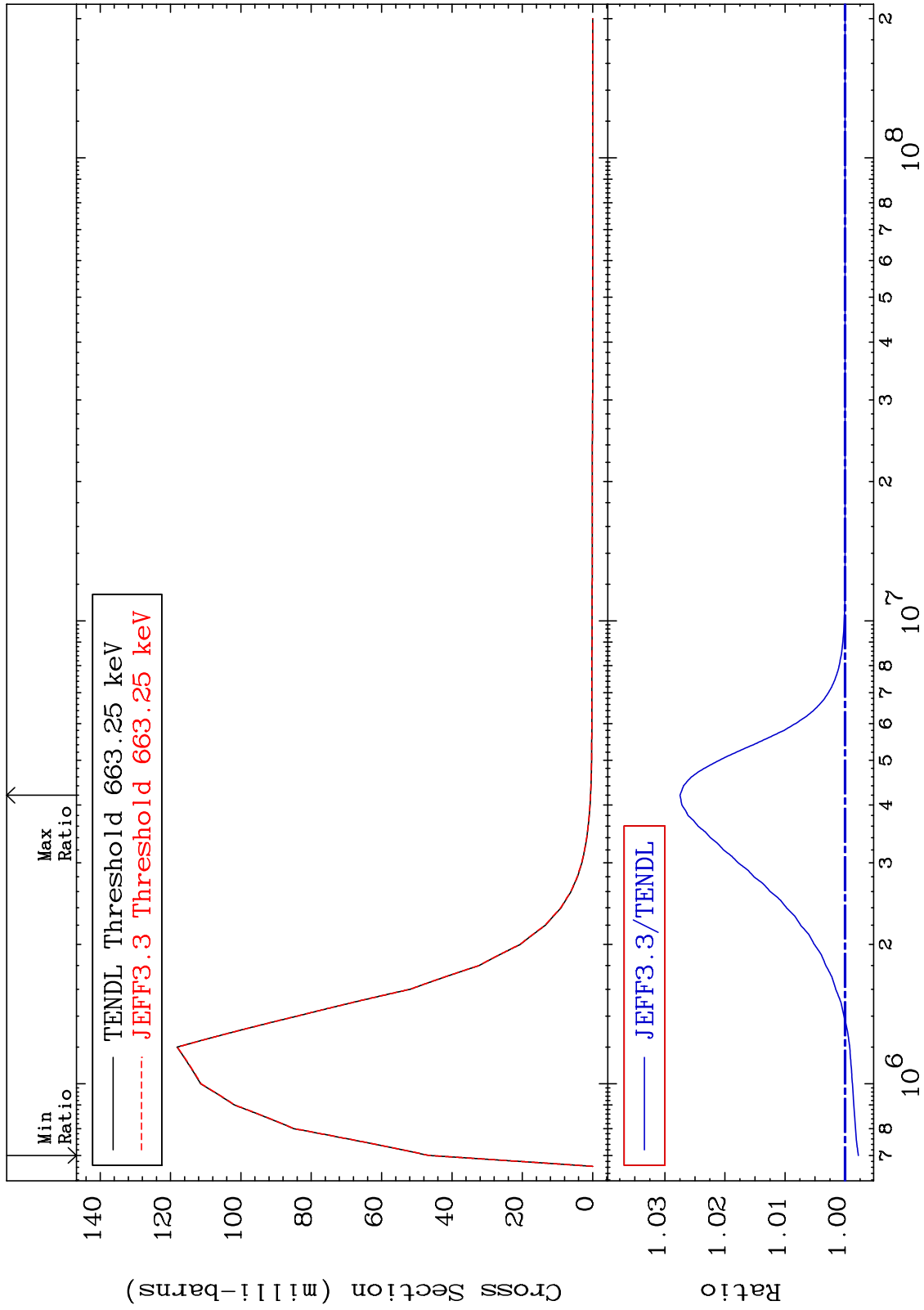
70-Yb-173

Incident Energy (eV)

MAT 7040 MT= 65 (n,n') Level Cross Section -0.144 To 2.567 % 70-Yb-173



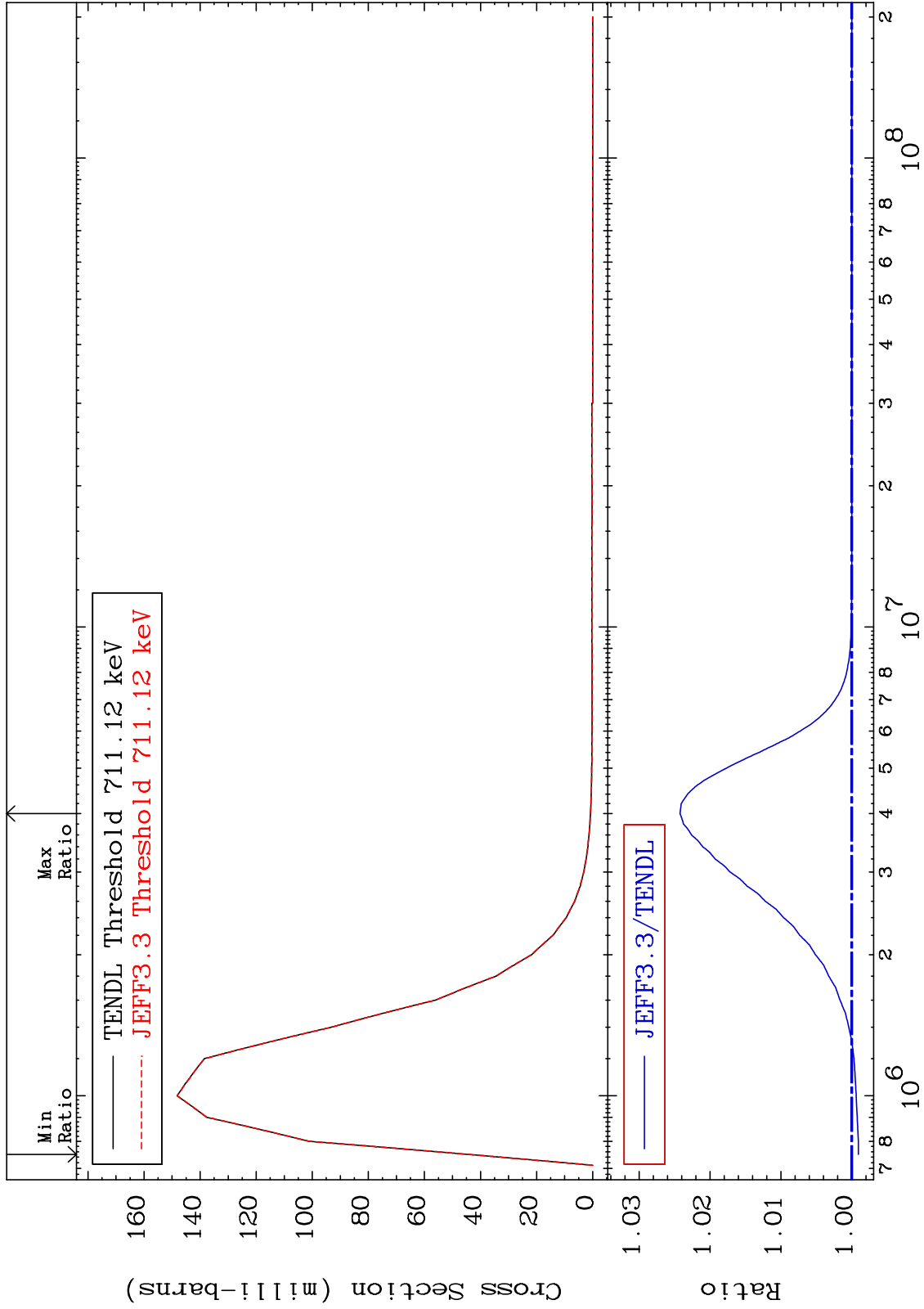
MAT 7040 MT= 66 (n,n') Level
Cross Section -0.222 To 2.748 %
70-Yb-173



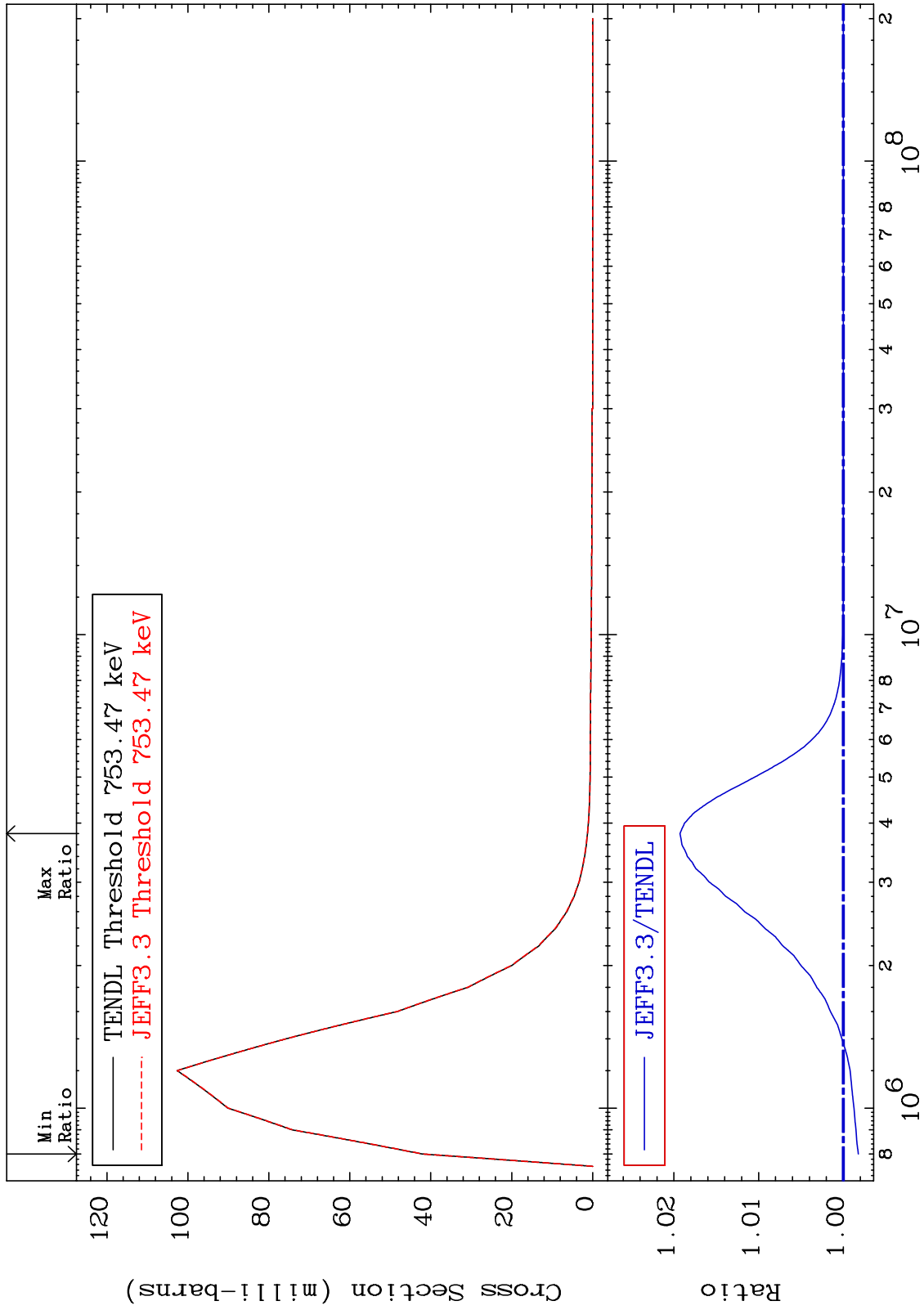
MAT 7040

MT= 67 (n,n') Level
Cross Section

70-Yb-173
-0.094 To 2.423 %



MAT 7040 MT= 68 (n,n') Level
Cross Section 70-Yb-173
-0.178 To 1.928 %

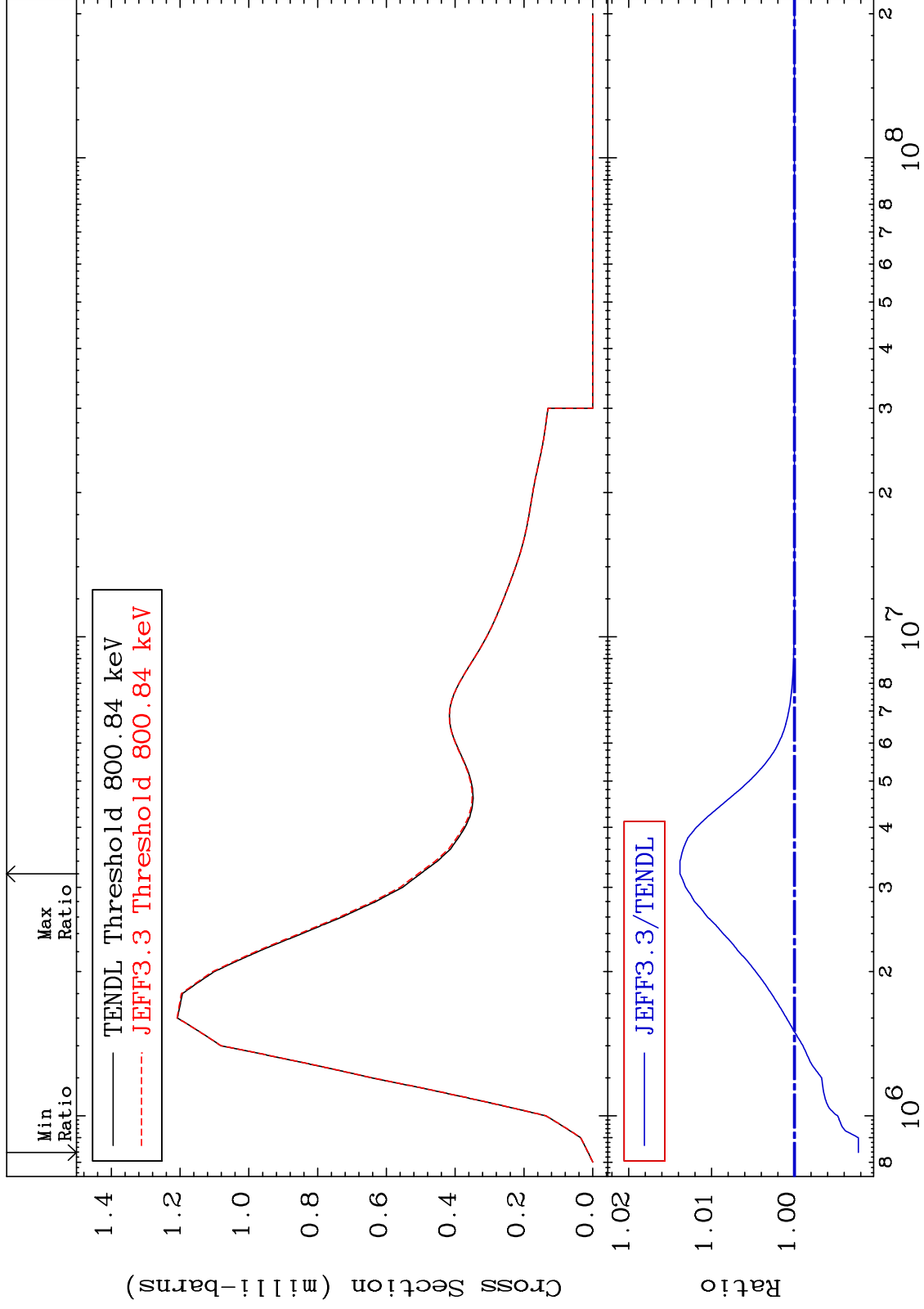


37 70-Yb-173

MAT 7040

MT= 69 (n,n') Level
Cross Section

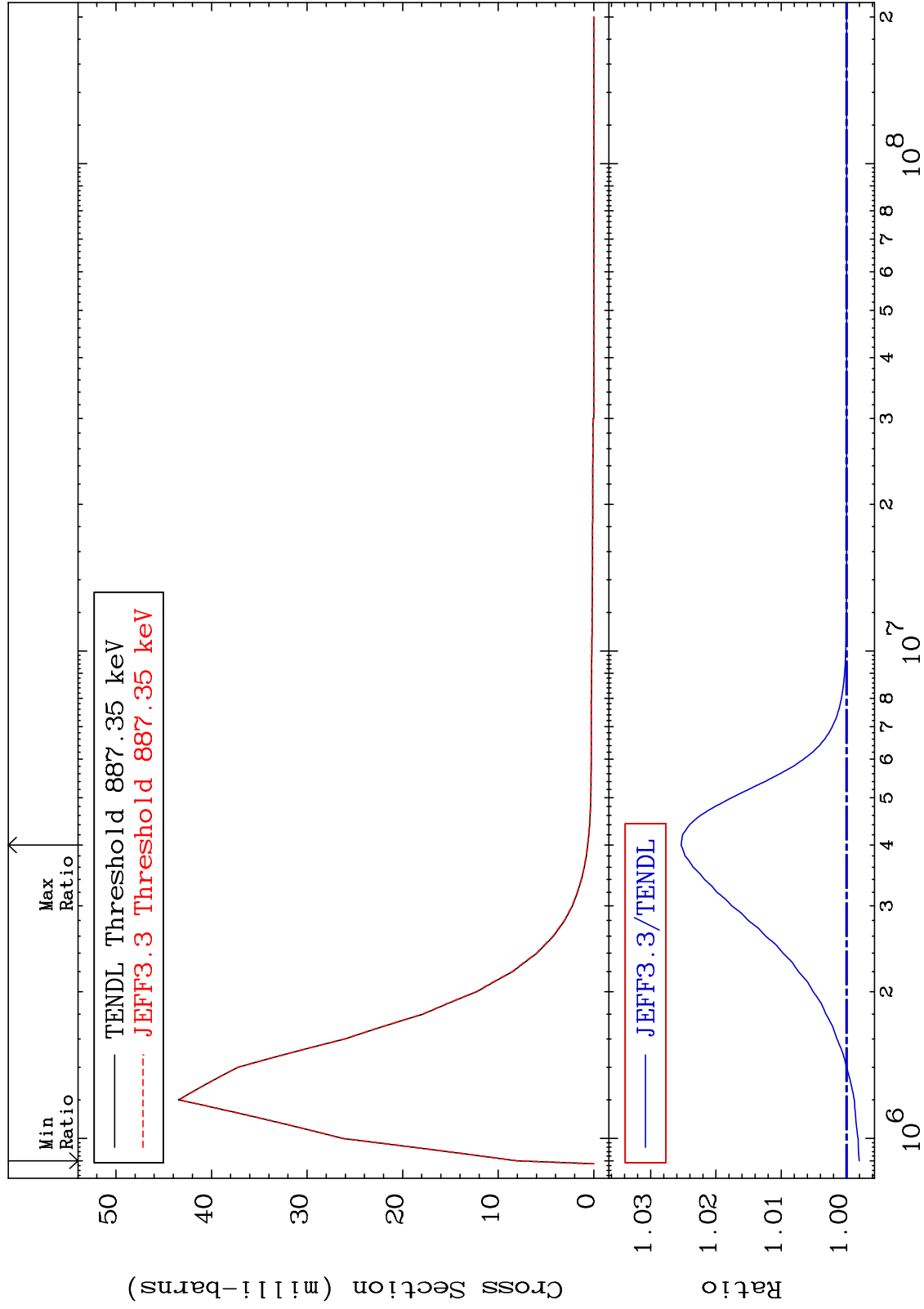
70-Yb-173
-0.771 To 1.380 %



MAT 7040

MT= 70 (n,n') Level
Cross Section

70-Yb-173
-0.196 To 2.535 %



39

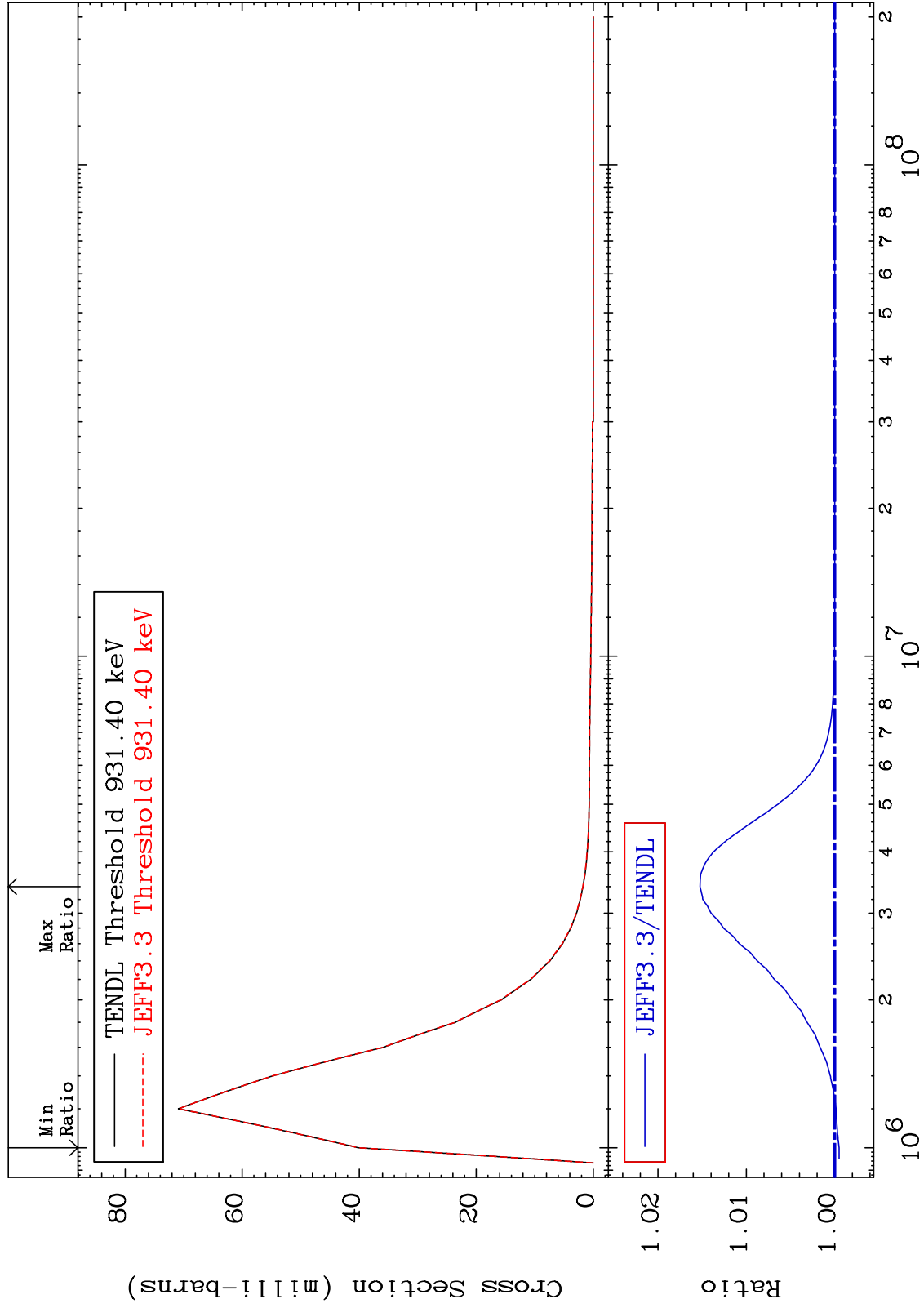
Incident Energy (eV)

70-Yb-173

MAT 7040

MT= 71 (n,n') Level
Cross Section

70-Yb-173
-0.048 To 1.525 %

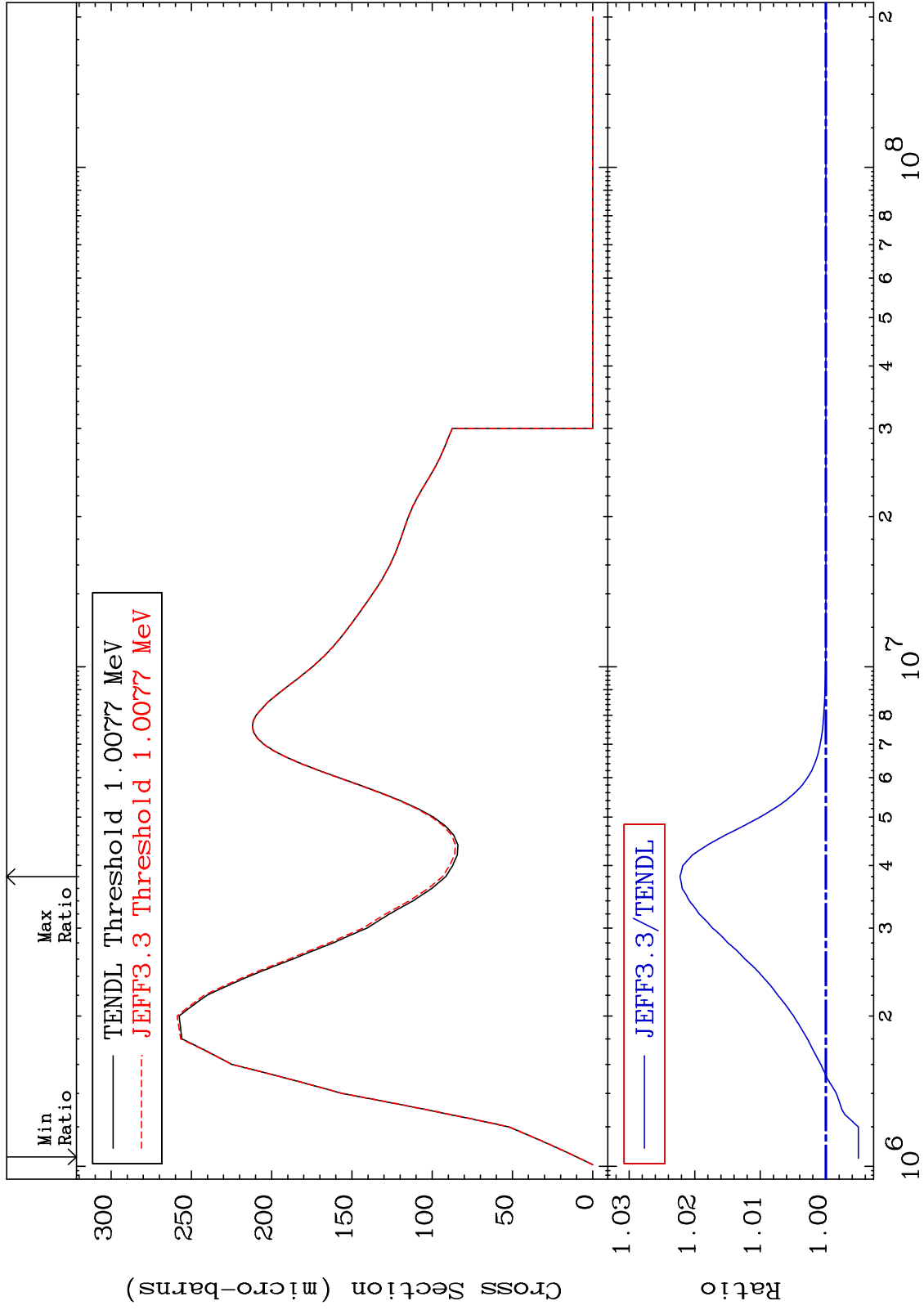


70-Yb-173

MAT 7040

MT= 72 (n,n') Level
Cross Section

70-Yb-173
-0.495 To 2.224 %



41

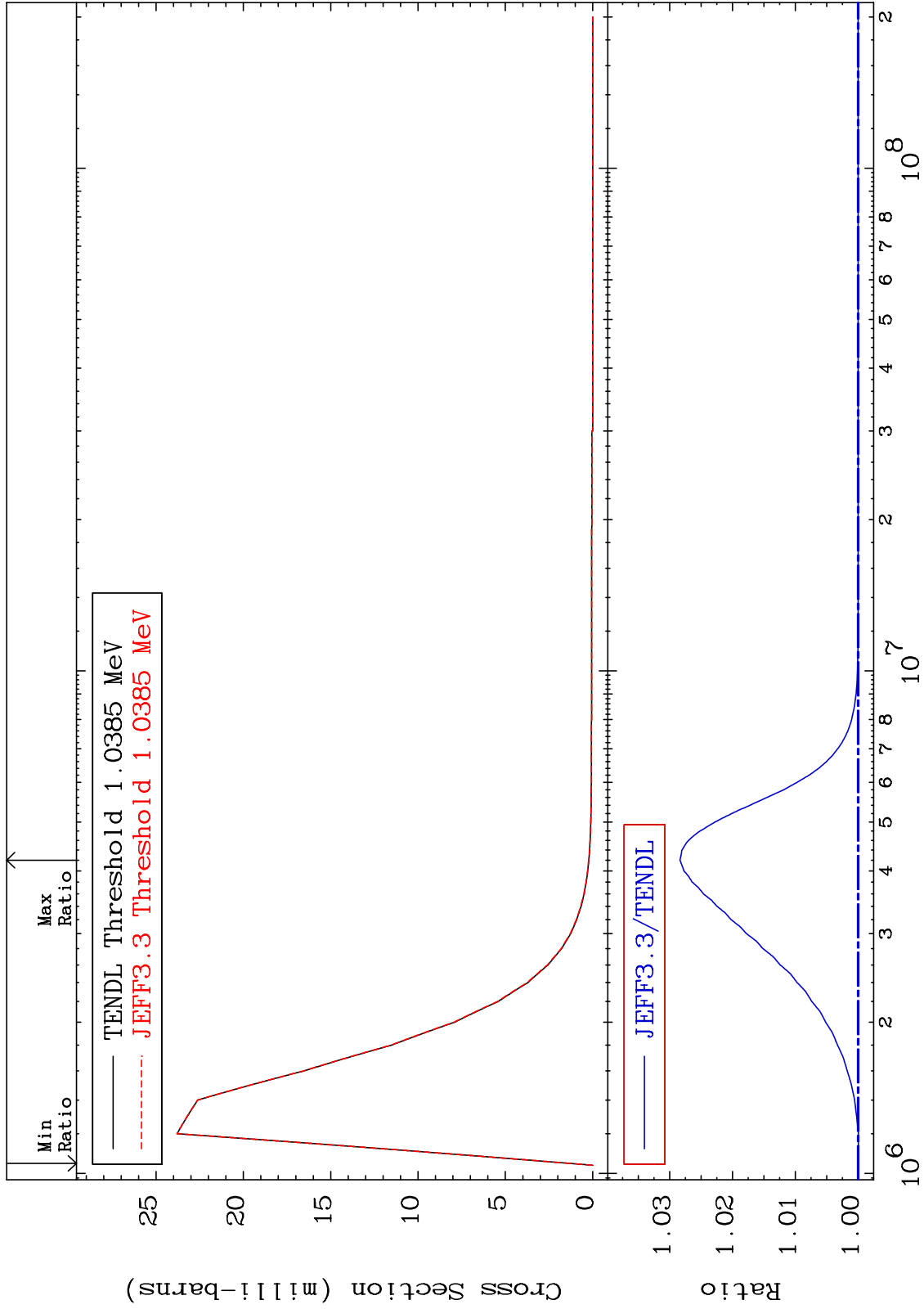
Incident Energy (eV)

70-Yb-173

MAT 7040

MT= 73 (n,n') Level
Cross Section

70-Yb-173
-0.003 To 2.835 %



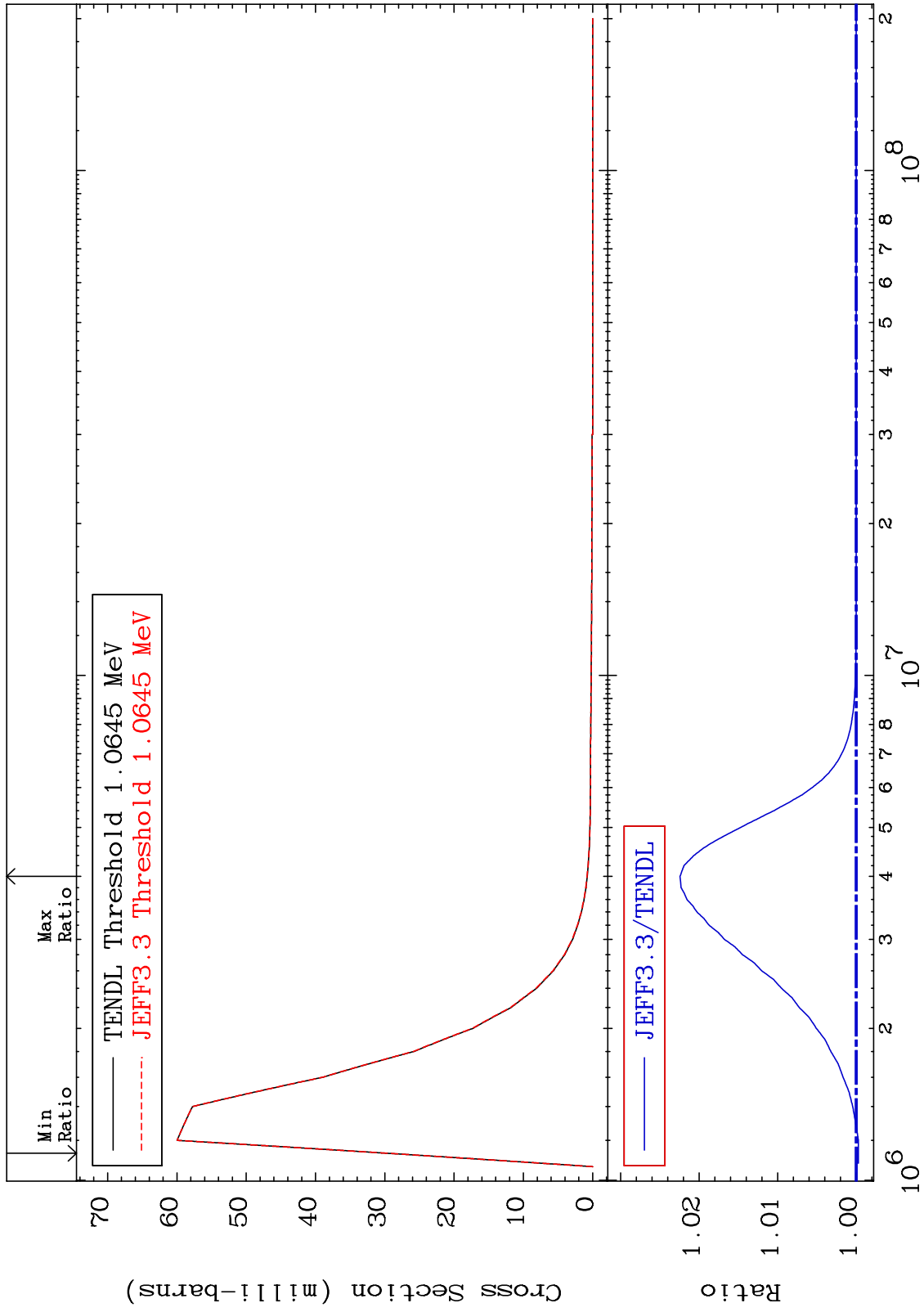
70-Yb-173

42

MAT 7040

MT= 74 (n,n') Level
Cross Section

70-Yb-173
-0.029 To 2.243 %



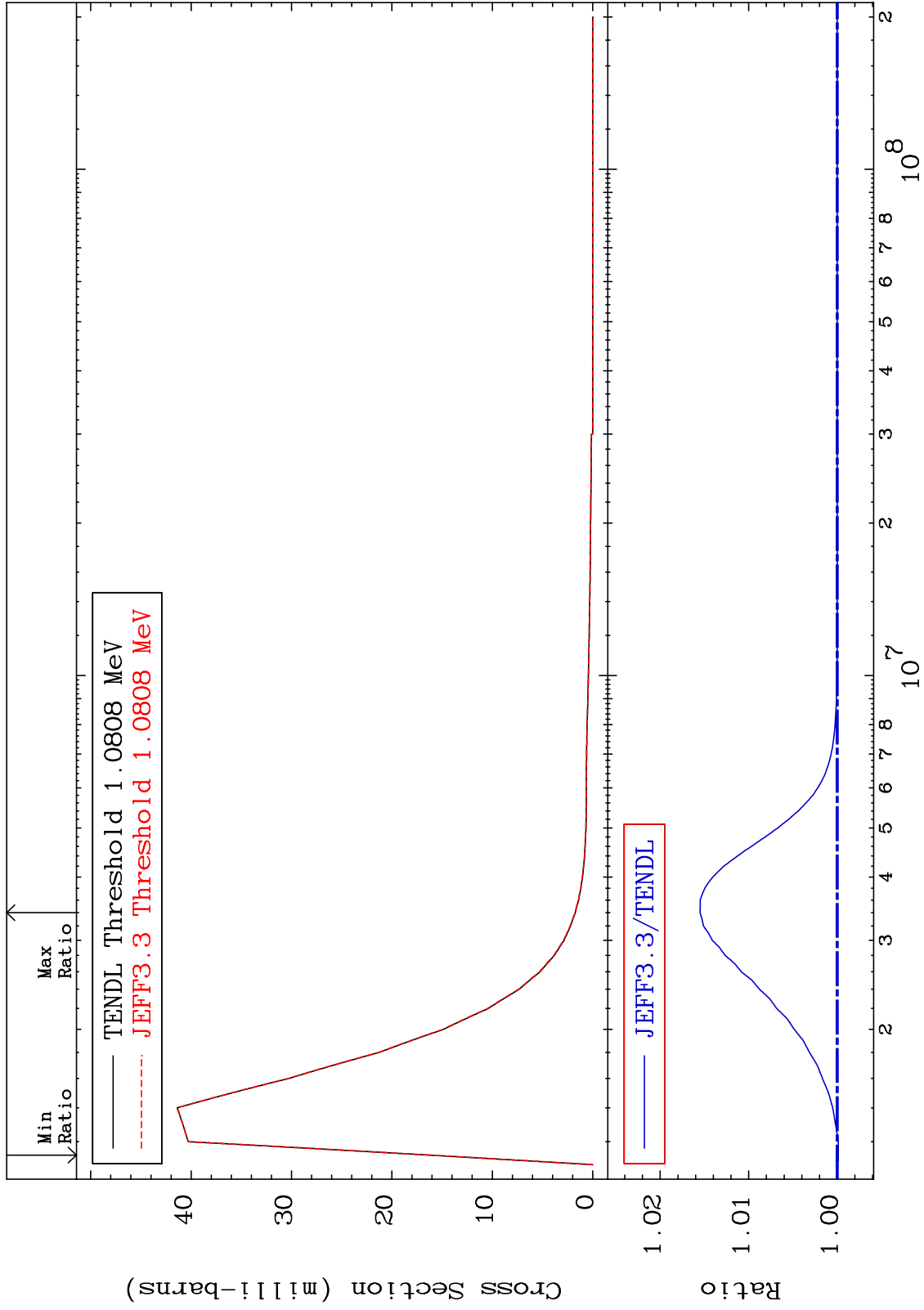
70-Yb-173

43

MAT 7040

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

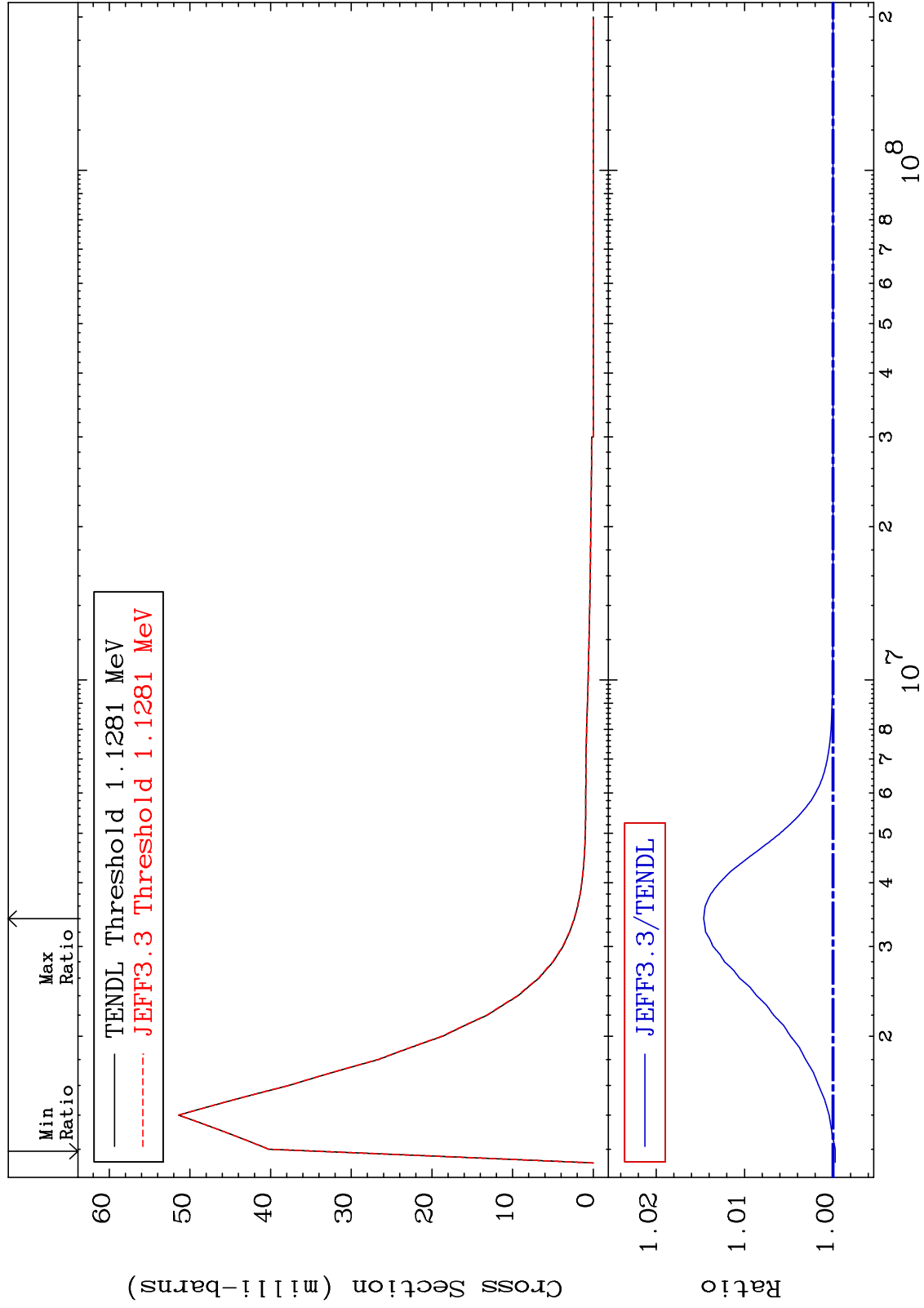
70-Yb-173
-0.012 To 1.549 %



MAT 7040

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

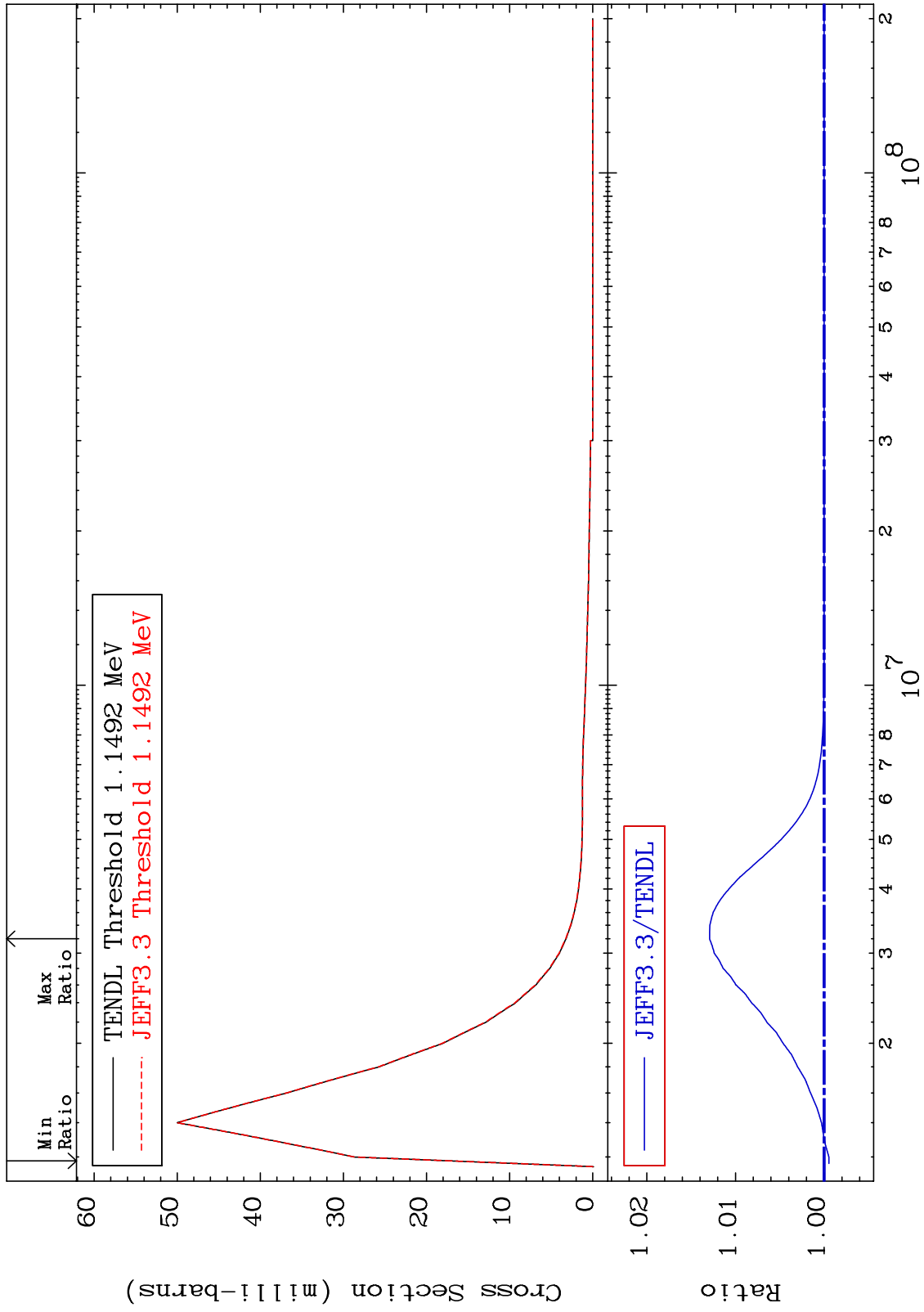
70-Yb-173
-0.026 To 1.461 %



45

70-Yb-173

MAT 7040 MT= 77 (n,n') Level
Cross Section 70-Yb-173
-0.053 To 1.293 %

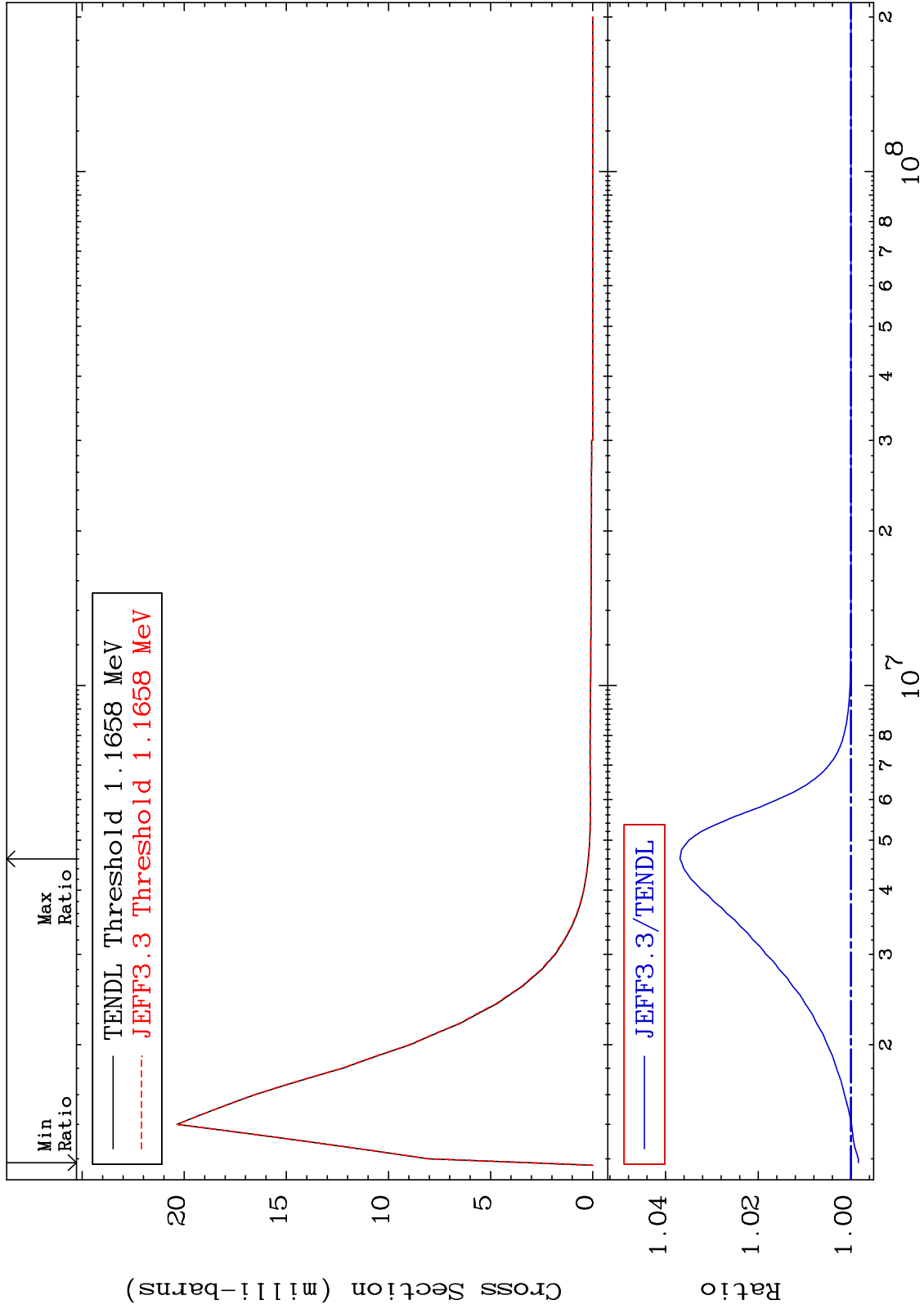


46 70-Yb-173

MAT 7040

MT= 78 (n,n') Level
Cross Section

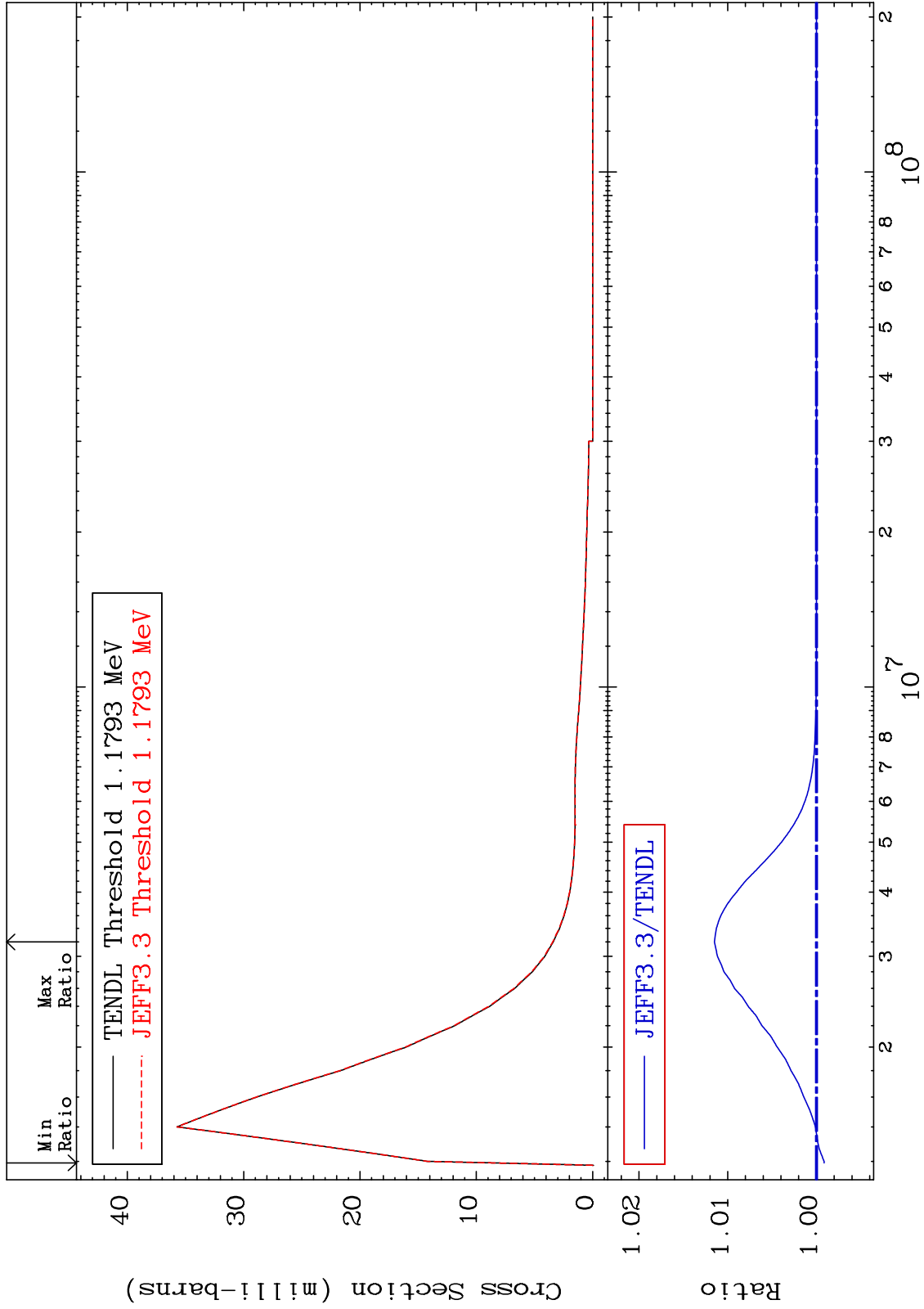
70-Yb-173
-0.160 To 3.689 %

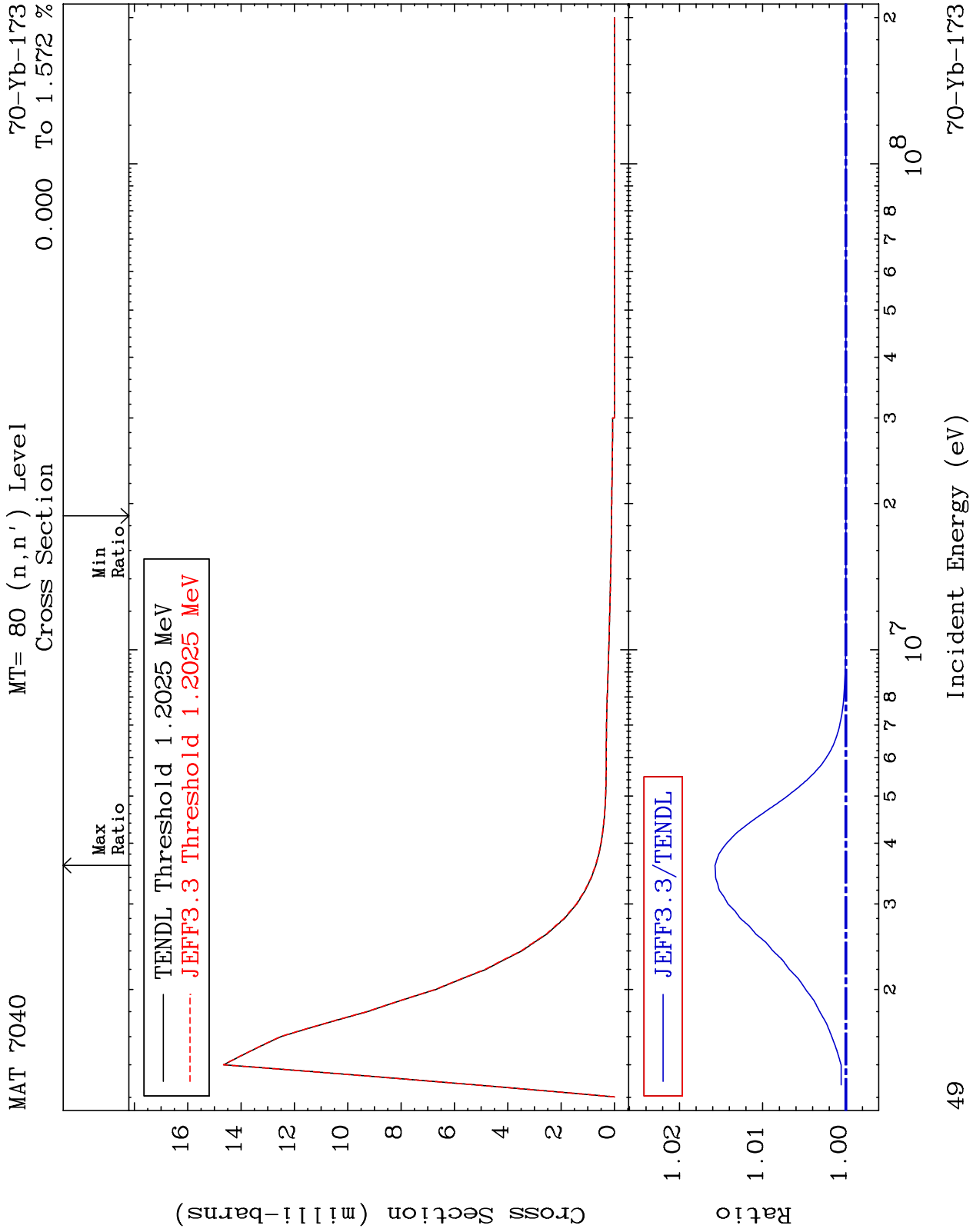


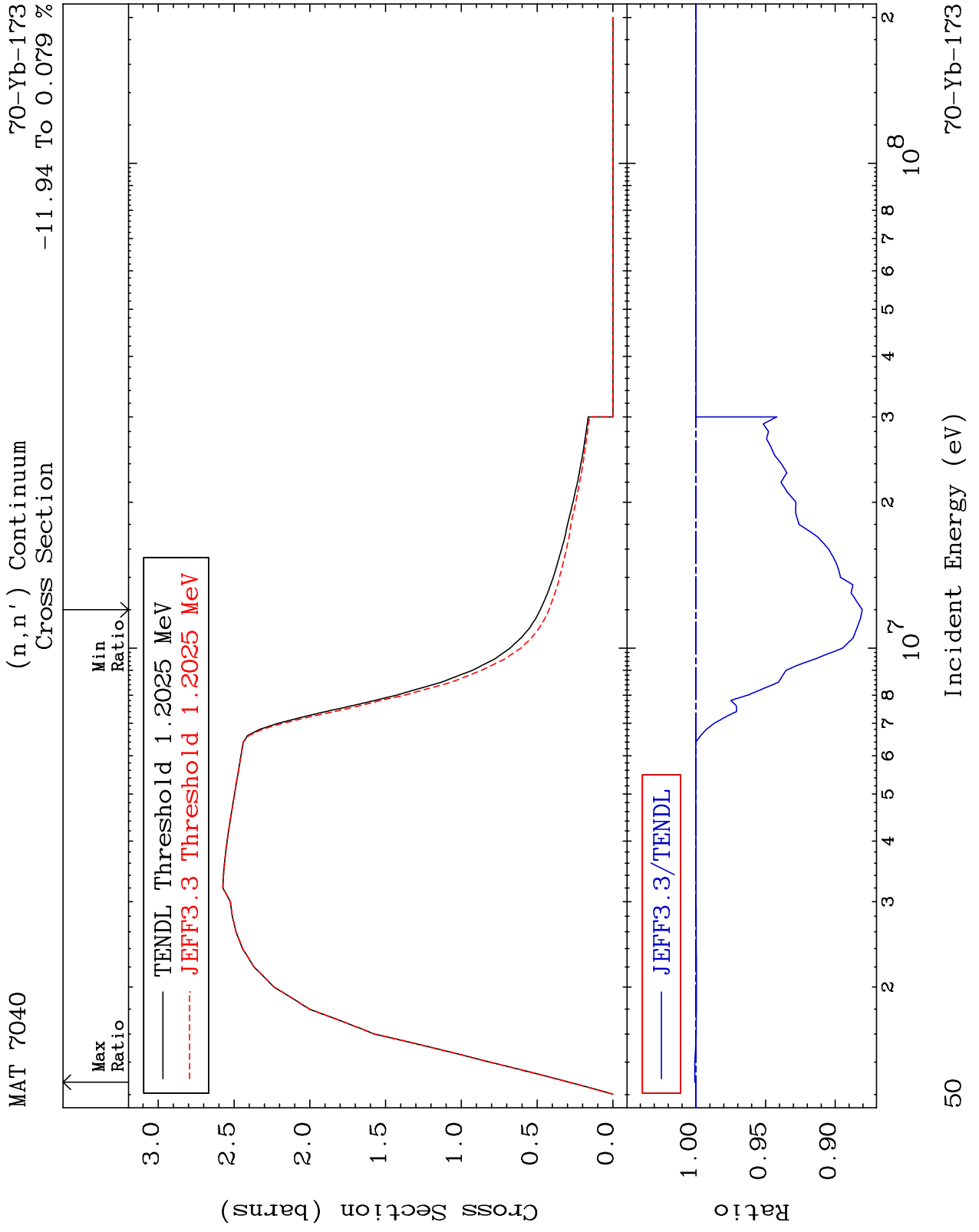
MAT 7040

MT= 79 (n,n') Level
Cross Section

70-Yb-173
-0.086 To 1.151 %



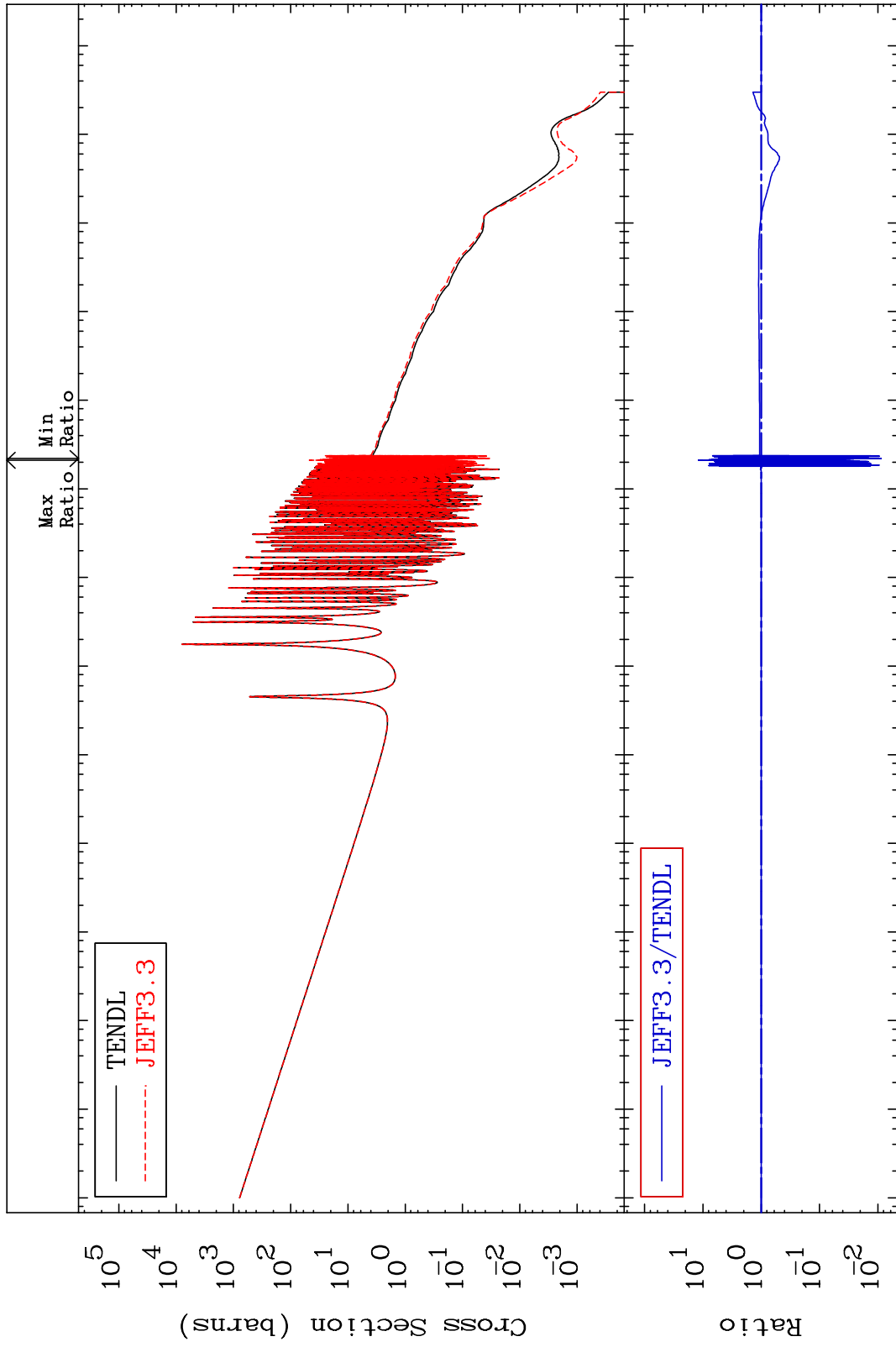


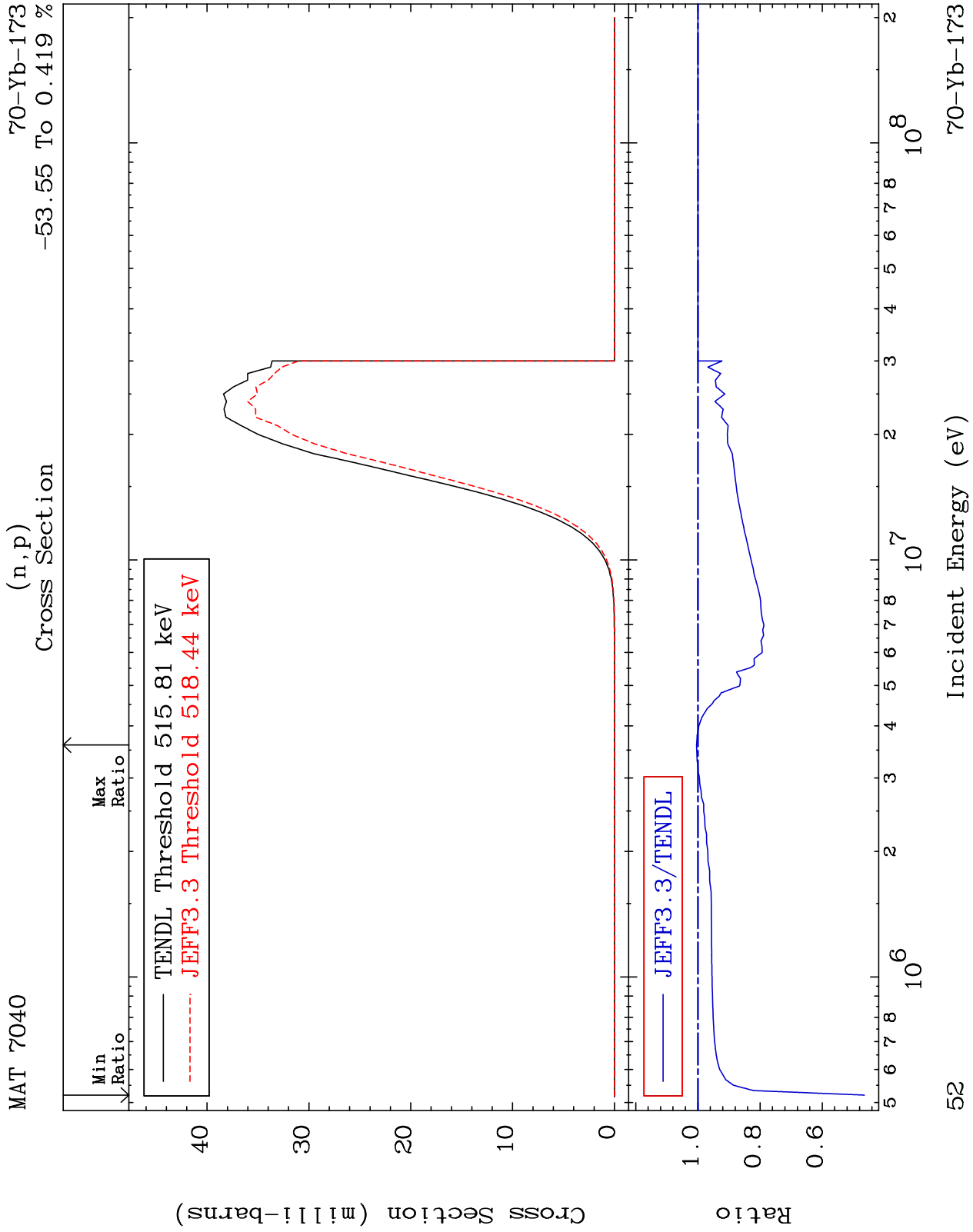


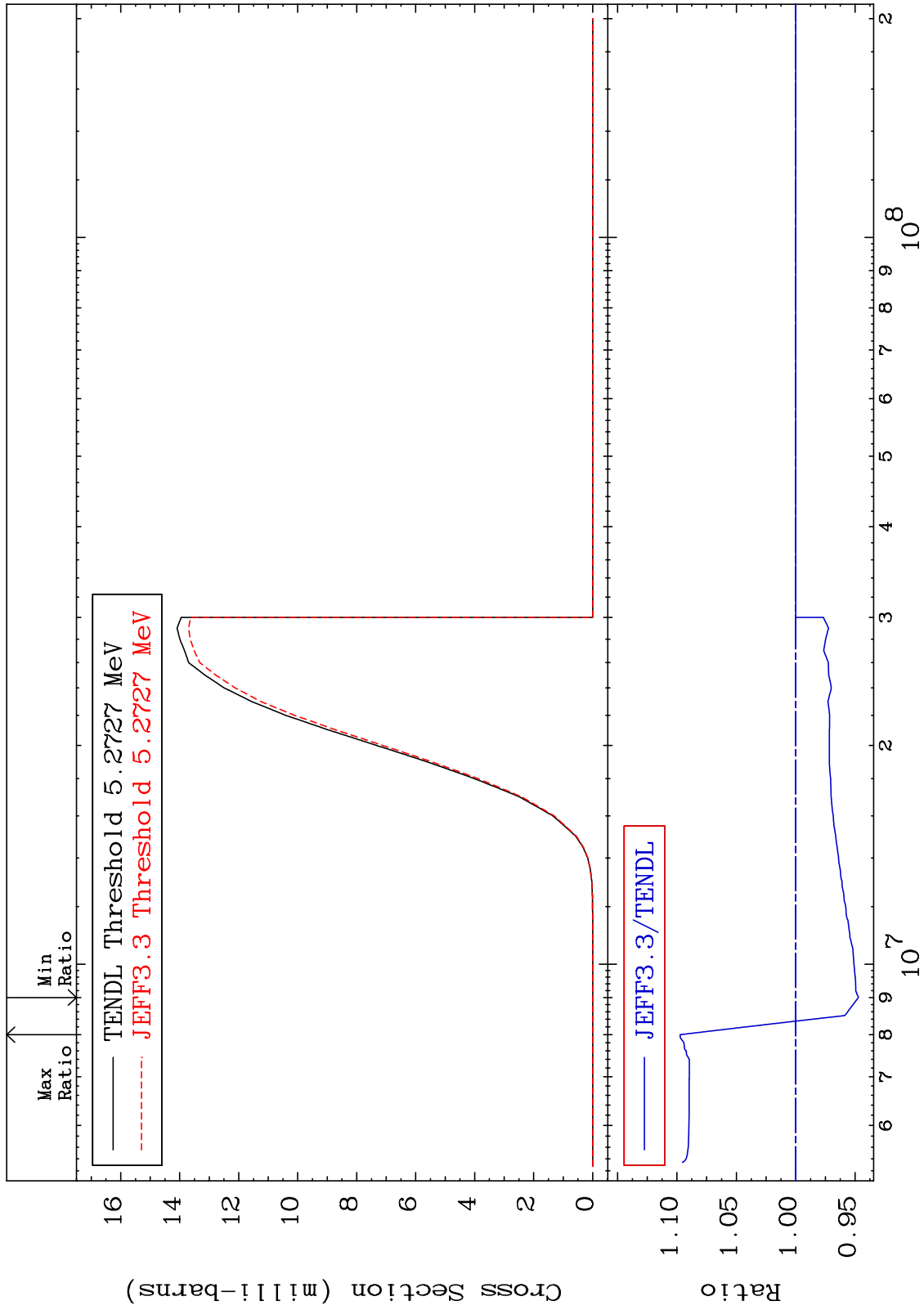
MAT 7040

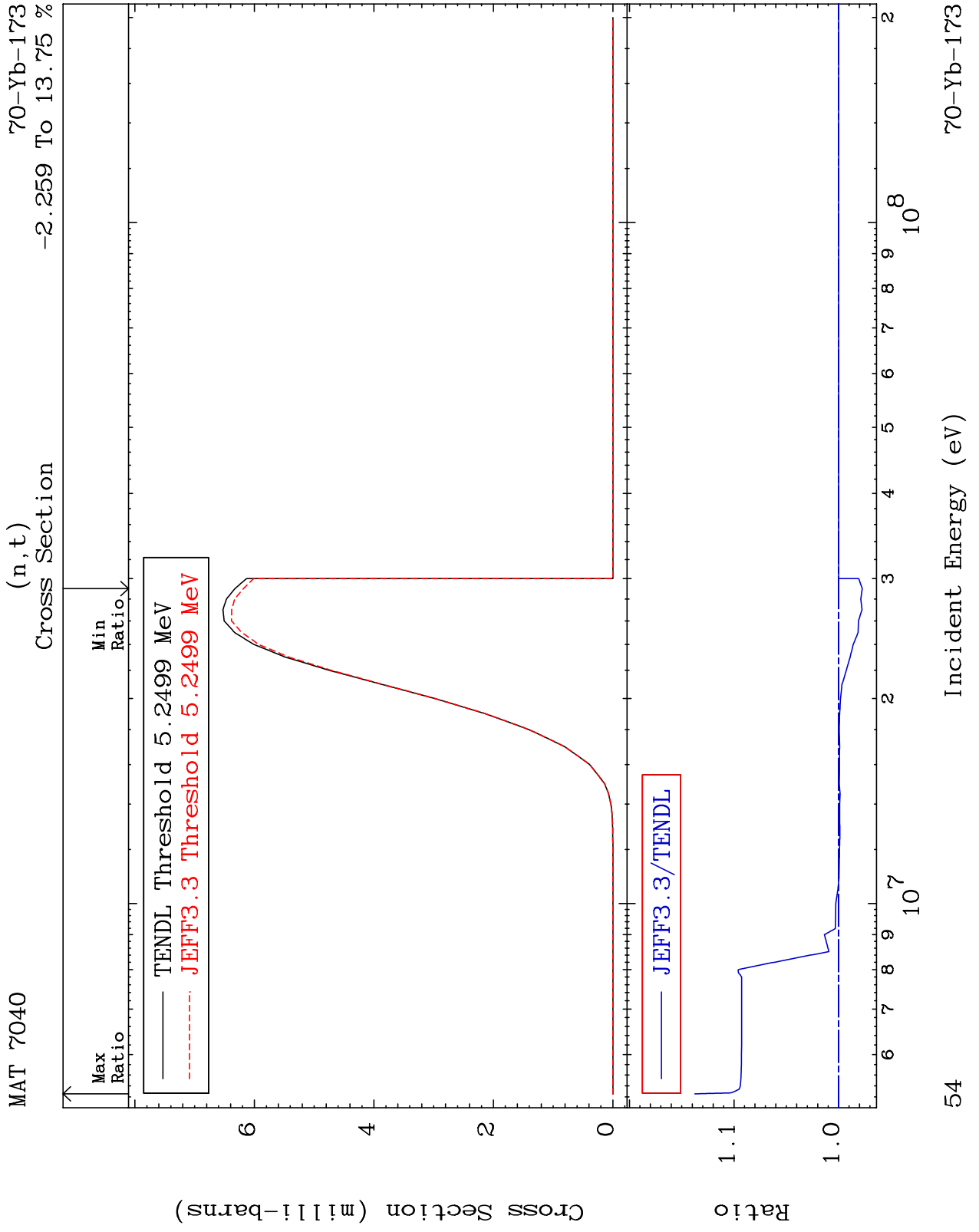
(n, γ)
Cross Section

70-Yb-173
-99.14 To 1099. %









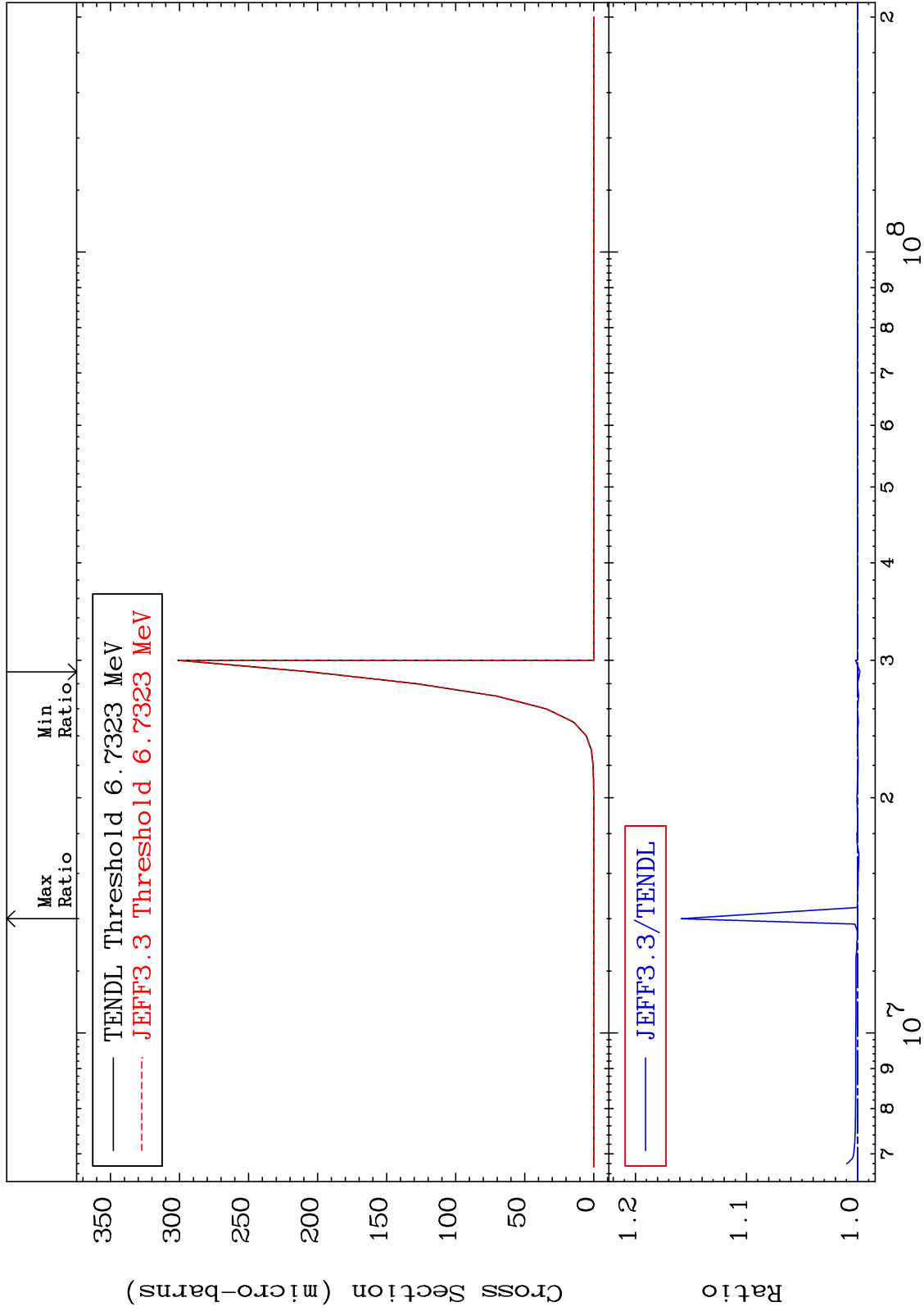
MAT 7040

(n, He-3)

70-Yb-173

Cross Section

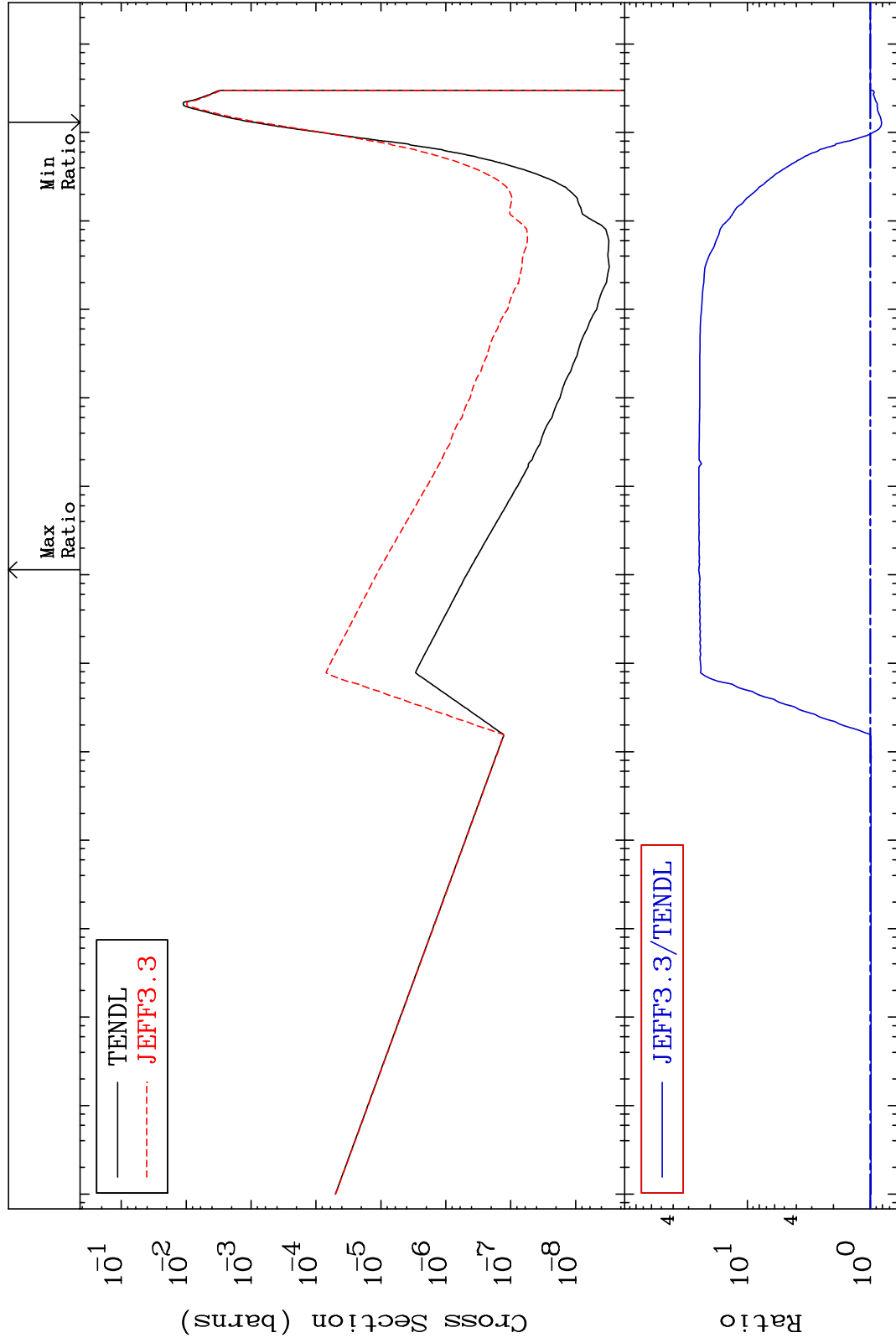
-0.217 To 15.88 %



MAT 7040

(n, α)
Cross Section

70-Yb-173
-18.77 To 2379. %



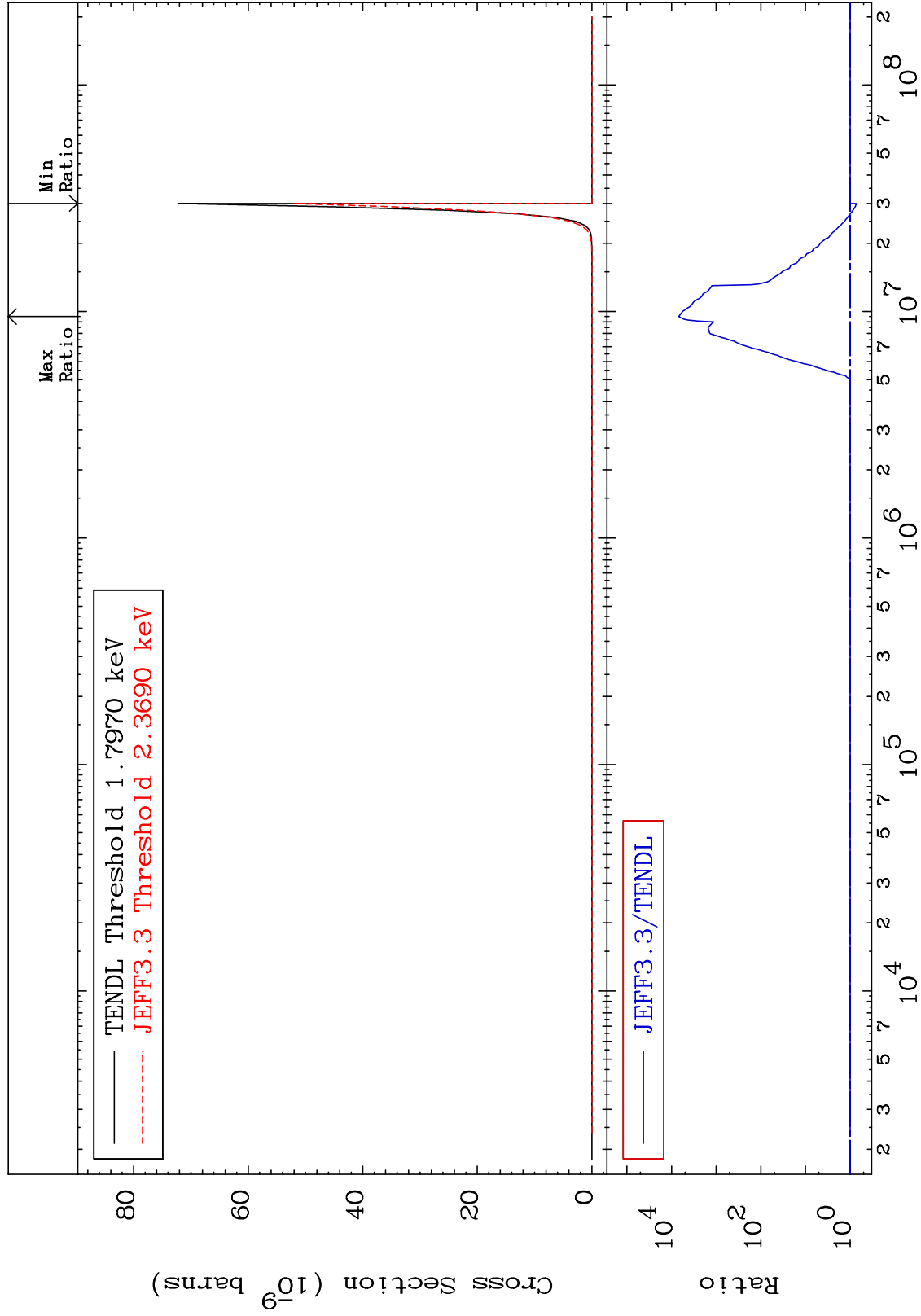
MAT 7040

(n, 2α)

70-Yb-173

Cross Section

-28.14 To 9999. %



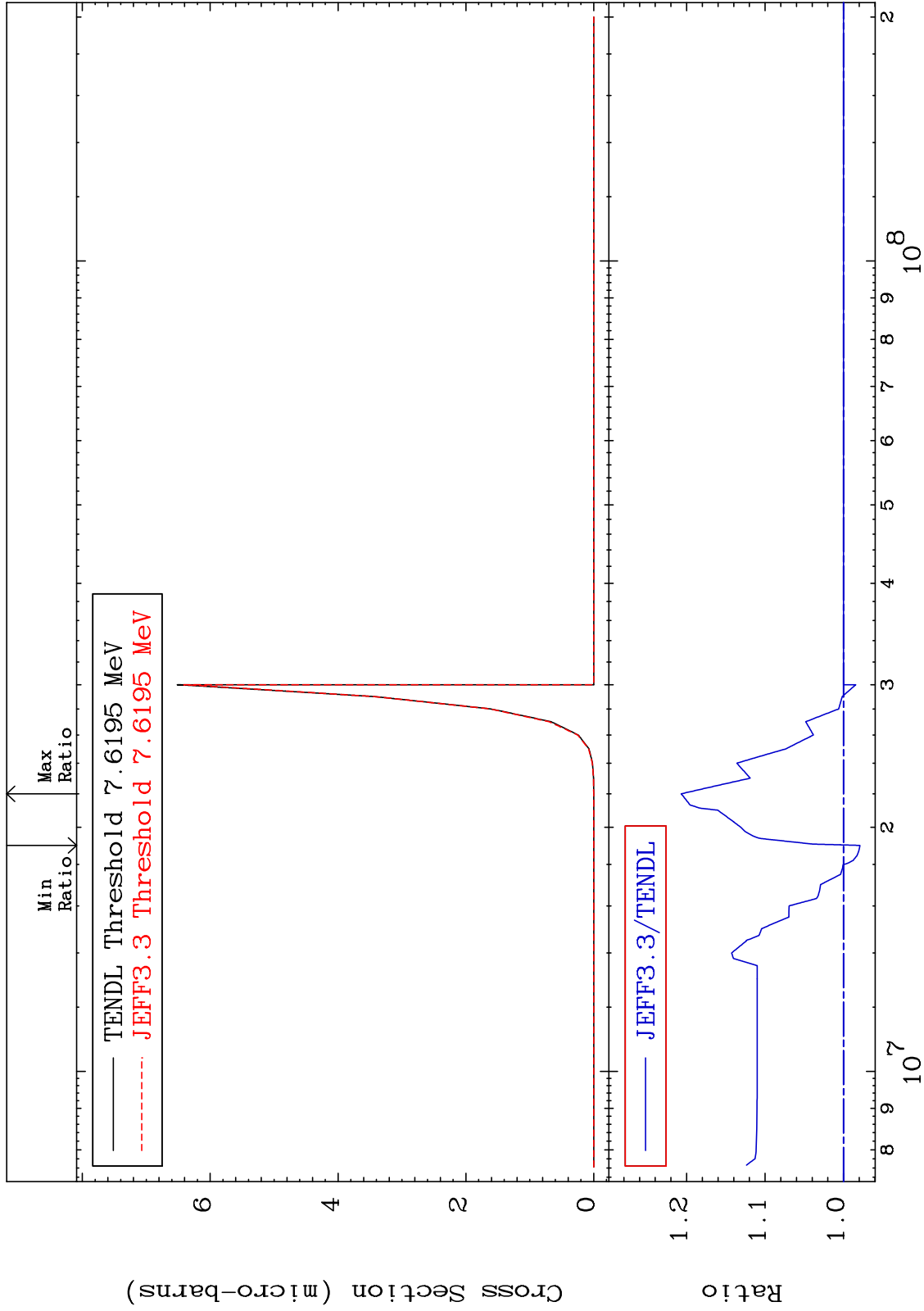
MAT 7040

(n,2p)

70-Yb-173

Cross Section

-2.091 To 20.69 %



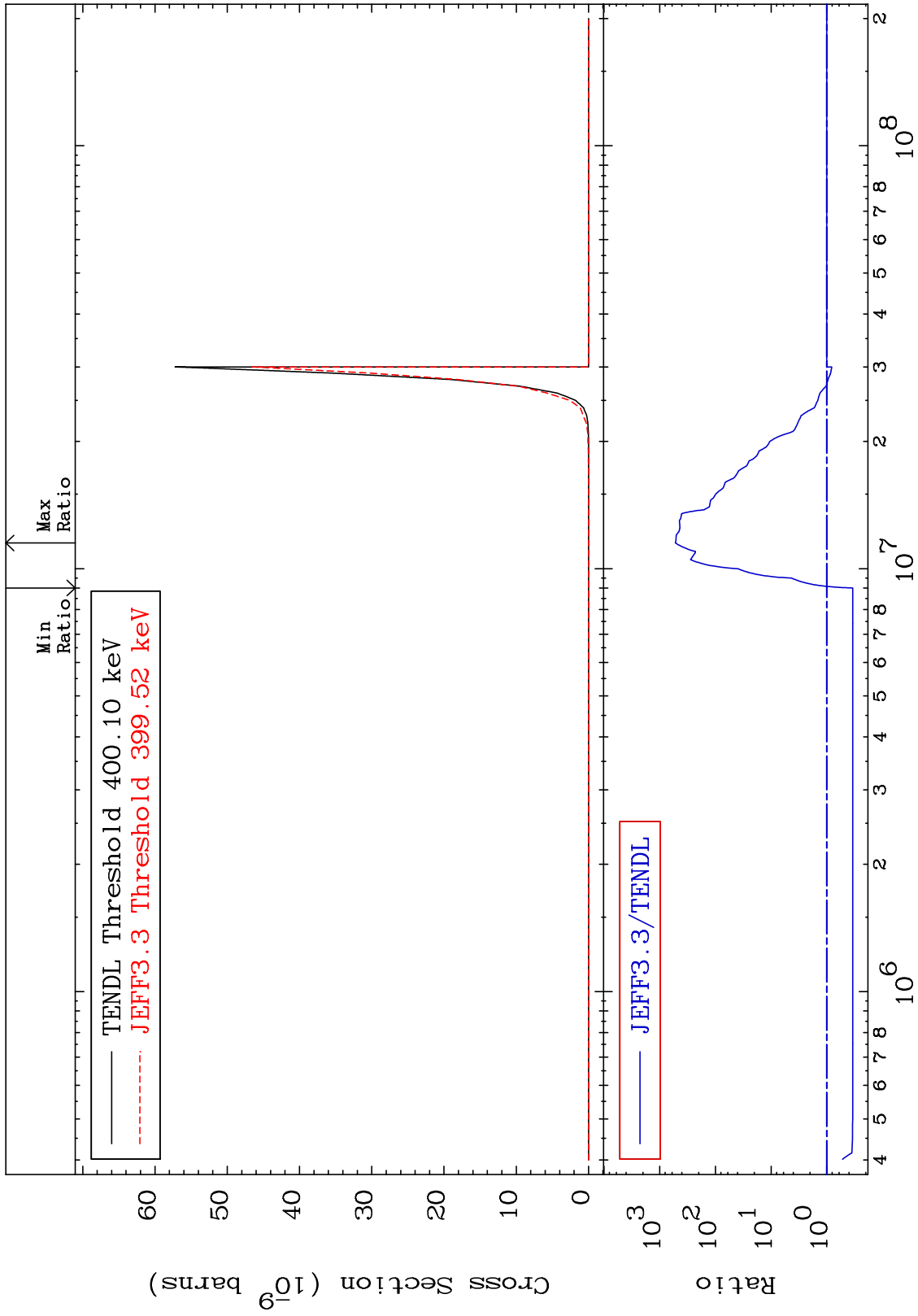
MAT 7040

(n,p) α

70-Yb-173

Cross Section

-65.83 To 9999. %



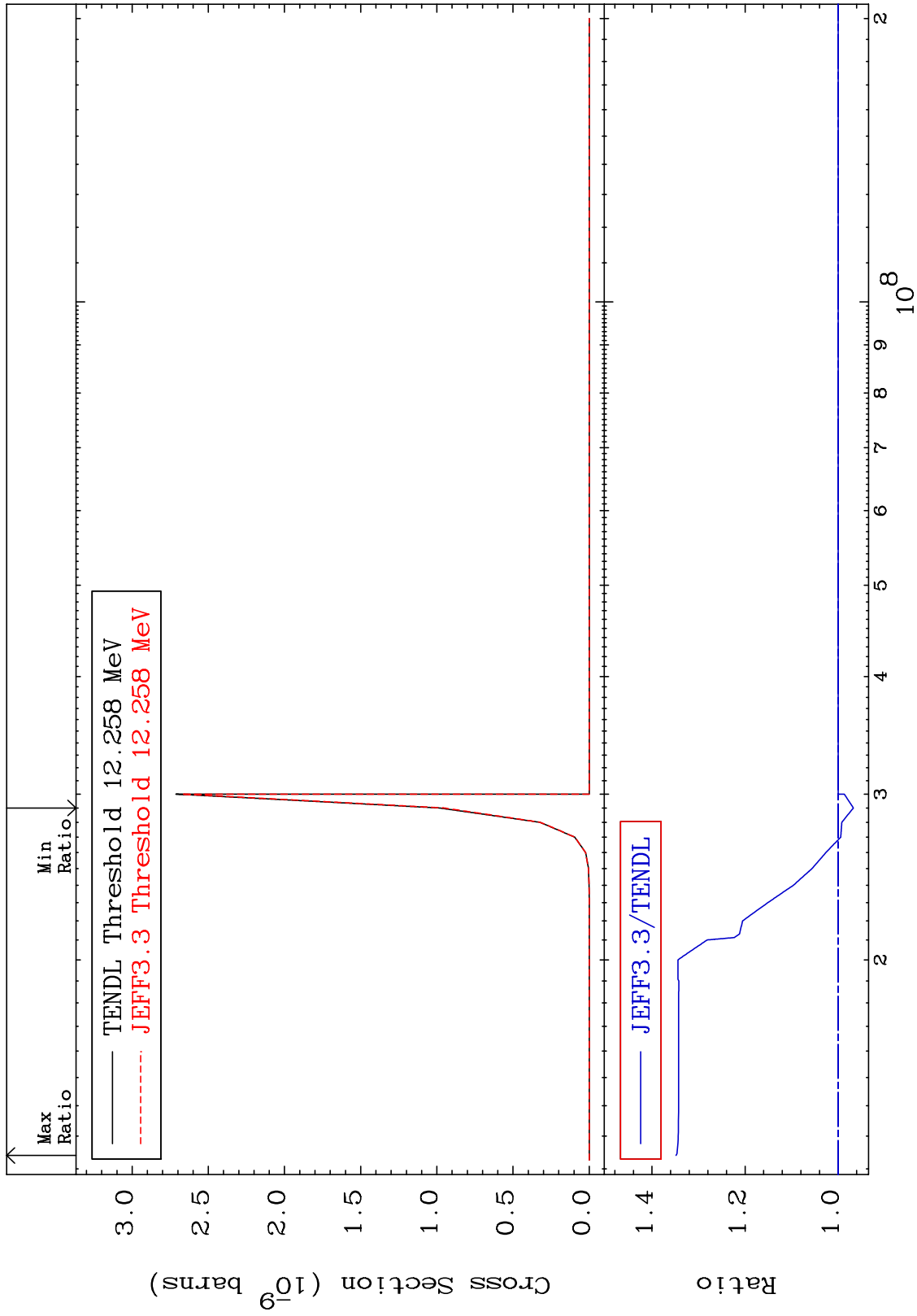
MAT 7040

(n,p) d

70-Yb-173

Cross Section

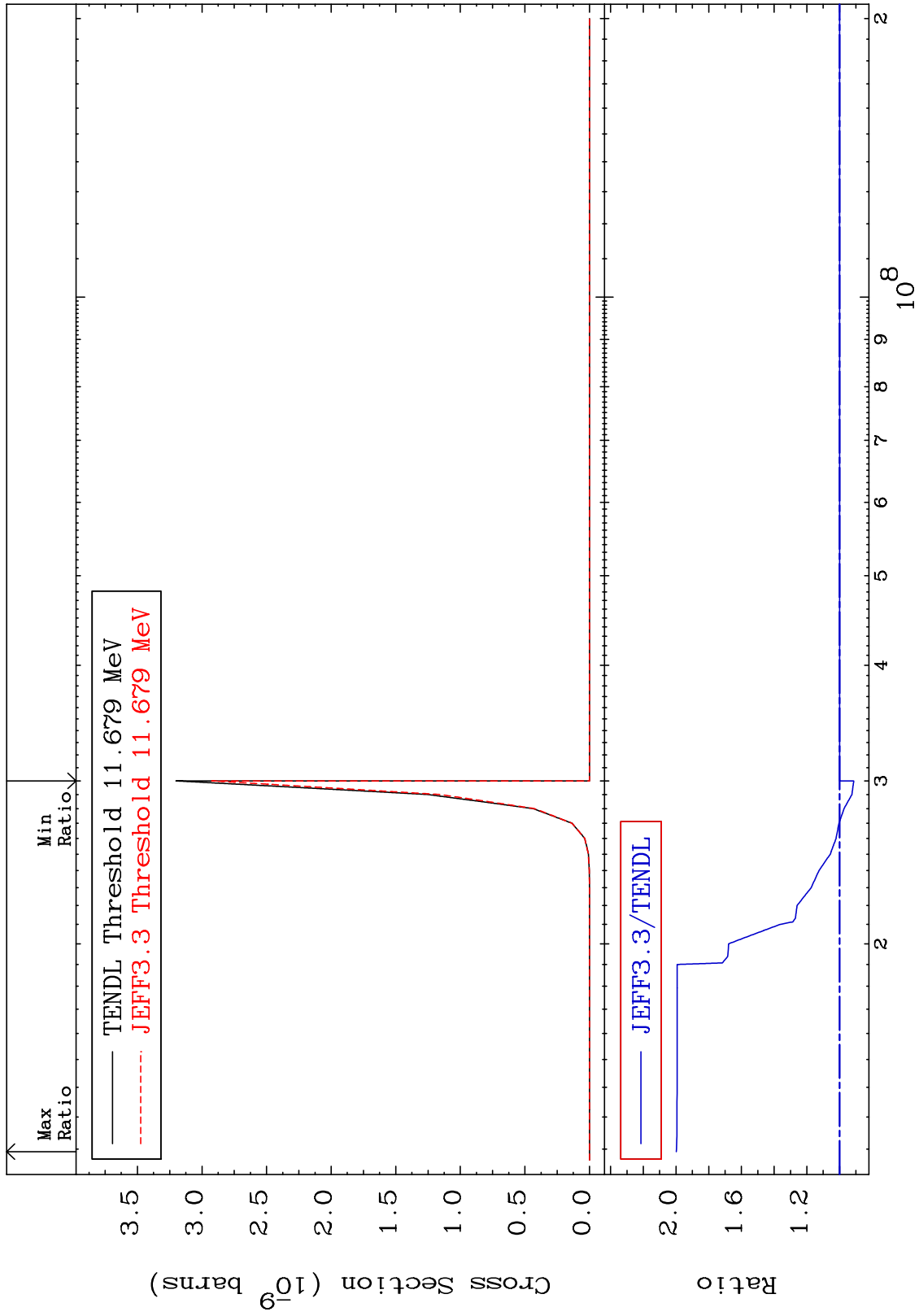
-3.288 To 34.83 %



60

70-Yb-173

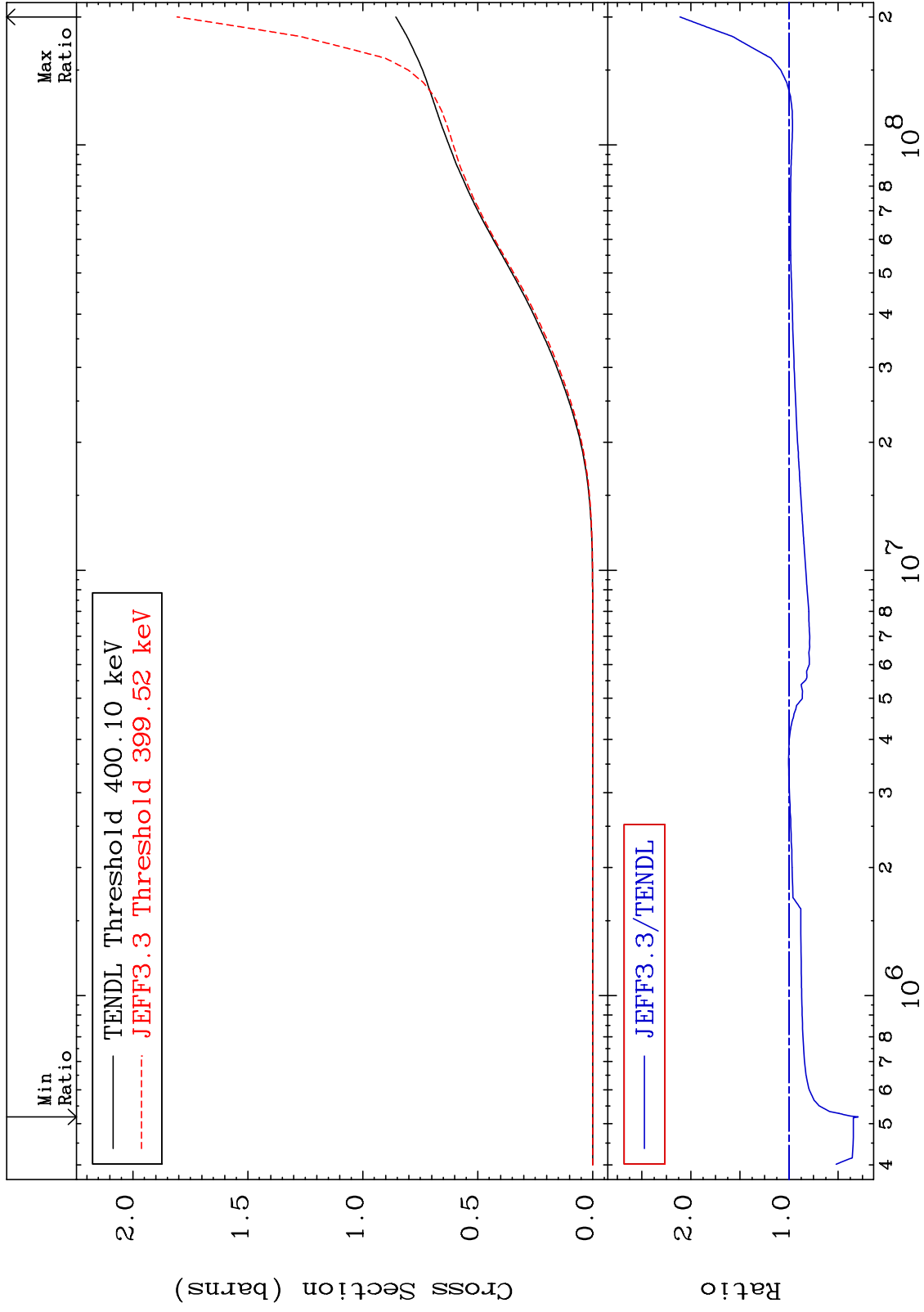
MAT 7040 (n,p) t 70-Yb-173
 Cross Section -8.665 To 99.81 %



MAT 7040

Hydrogen Production
Cross Section

70-Yb-173
-70.75 To 111.1 %



62

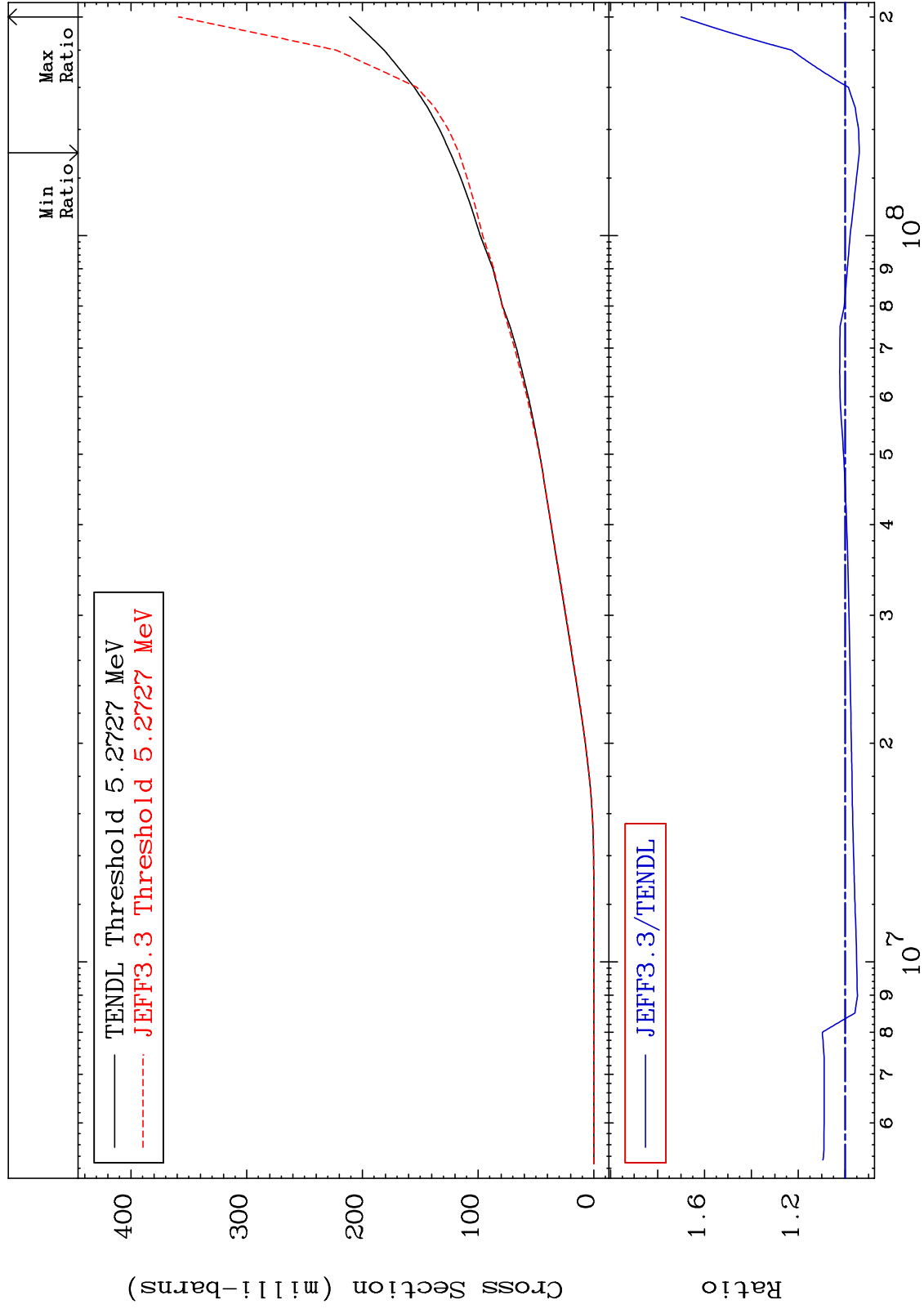
Incident Energy (eV)

70-Yb-173

MAT 7040

Deuterium Production
Cross Section

70-Yb-173
-6.016 To 70.00 %



63

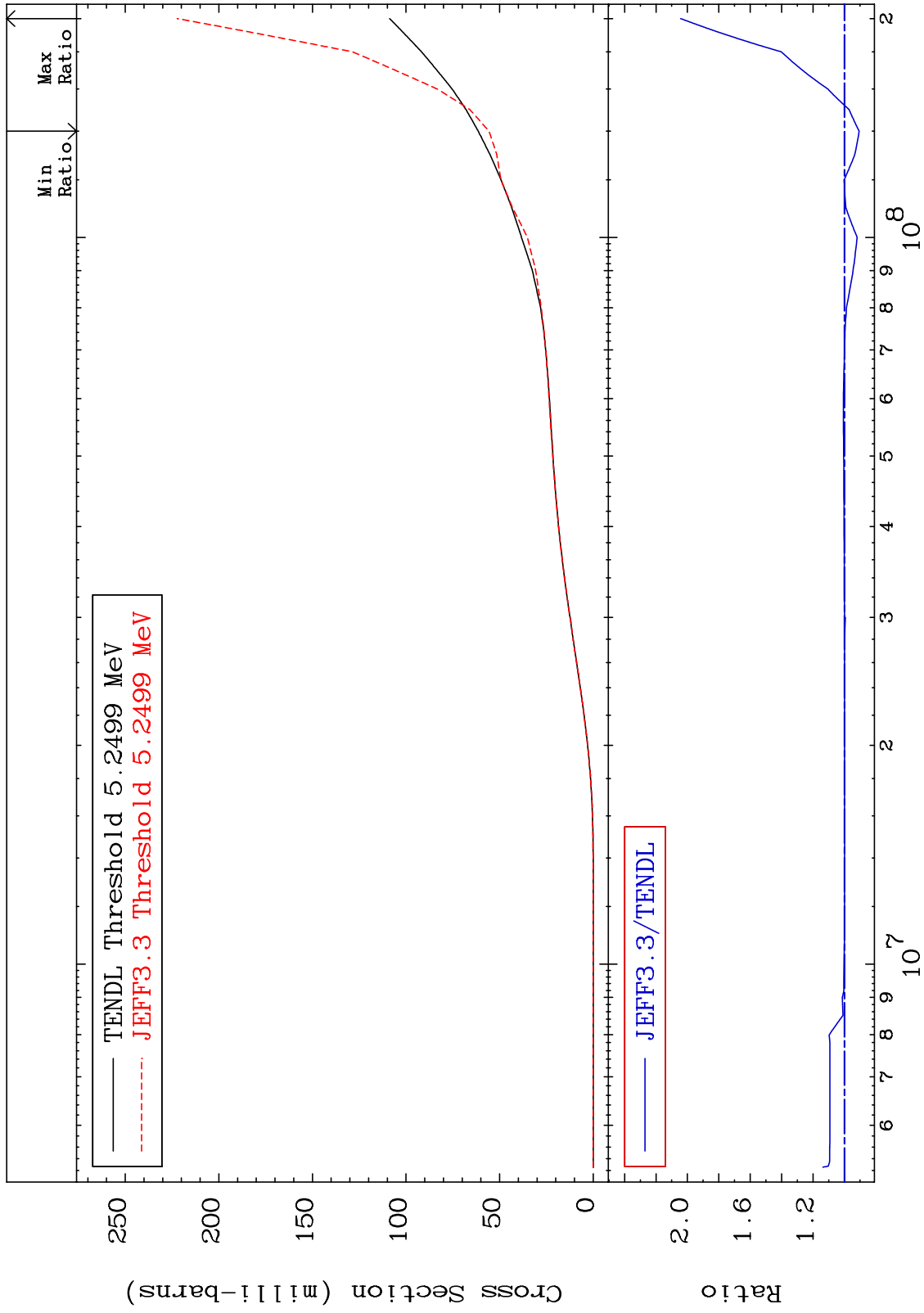
Incident Energy (eV)

70-Yb-173

MAT 7040

Tritium Production
Cross Section

70-Yb-173
-9.410 To 104.3 %



64

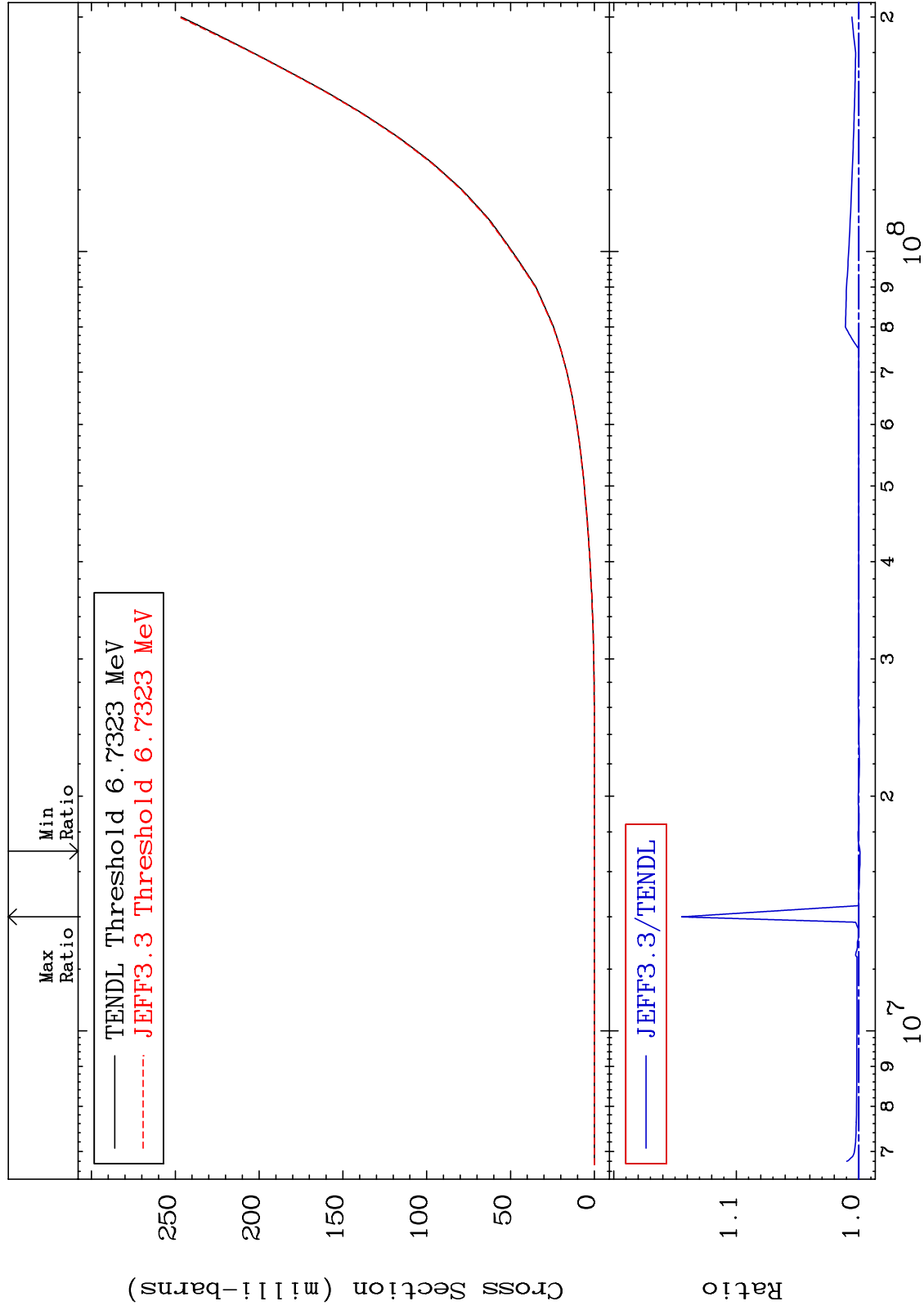
Incident Energy (eV)

70-Yb-173

MAT 7040

He-3 Production
Cross Section

70-Yb-173
-0.107 To 14.46 %



65

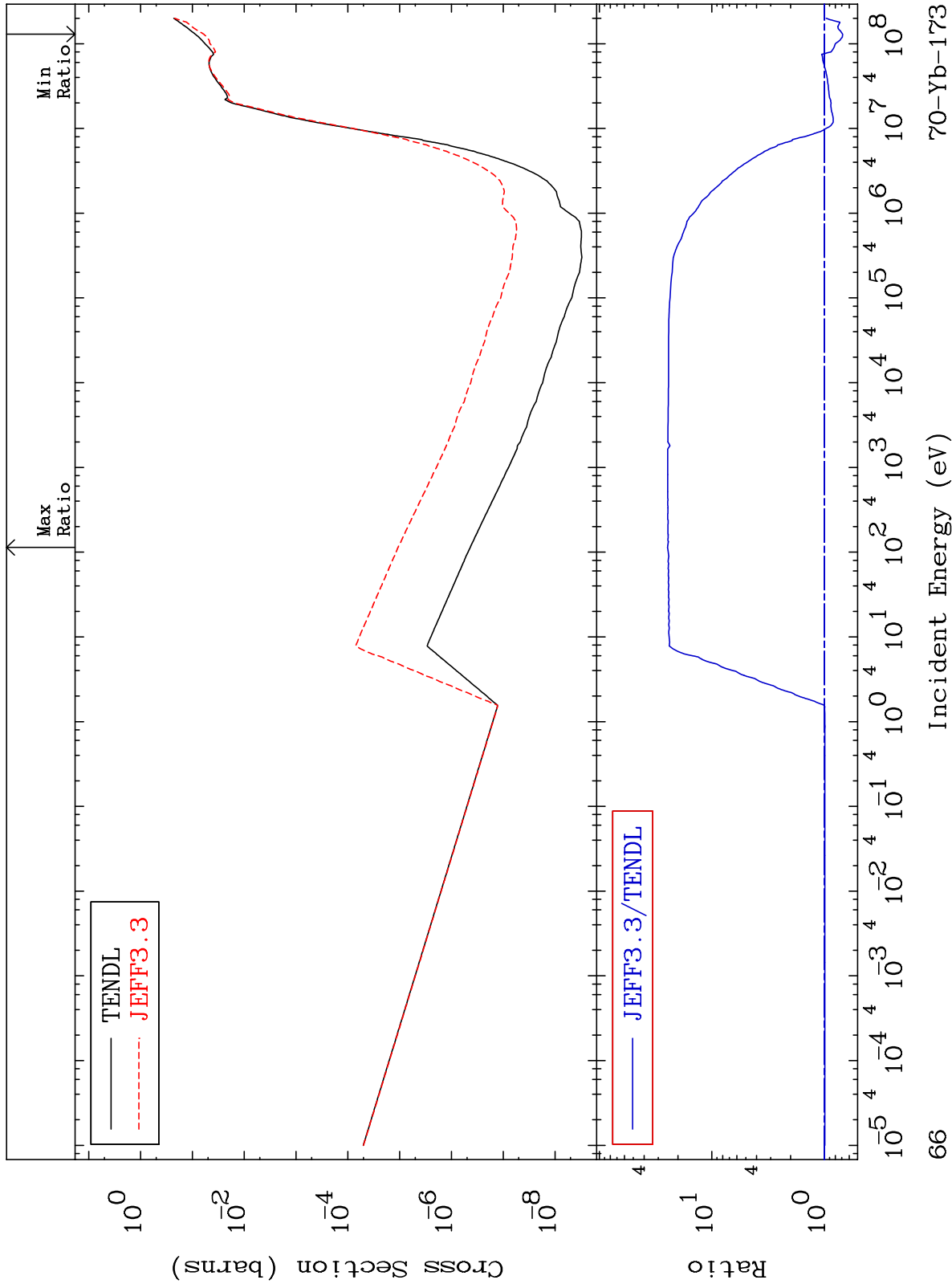
Incident Energy (eV)

70-Yb-173

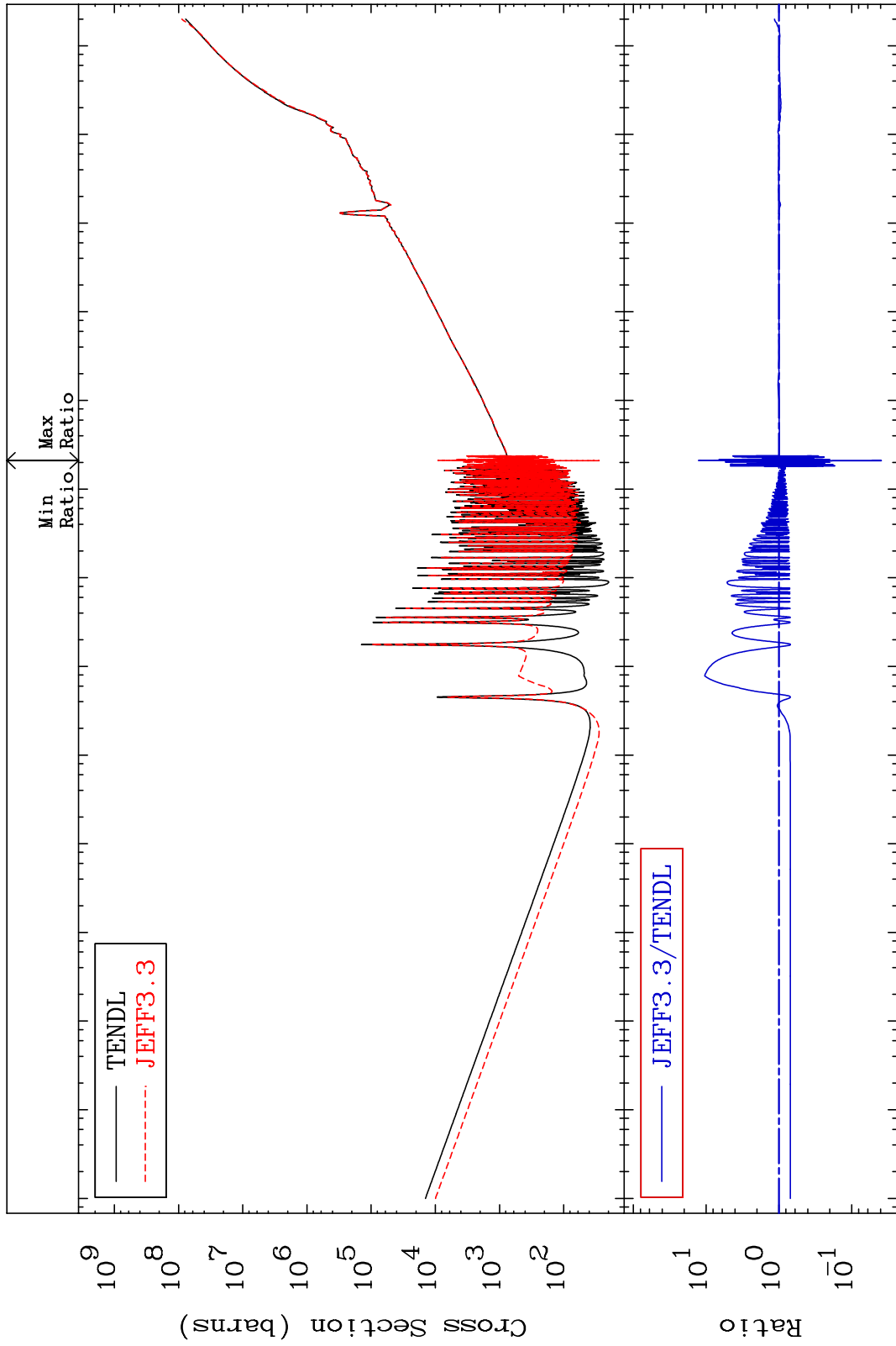
MAT 7040

He-4 Production
Cross Section

70-Yb-173
-31.26 To 2379. %



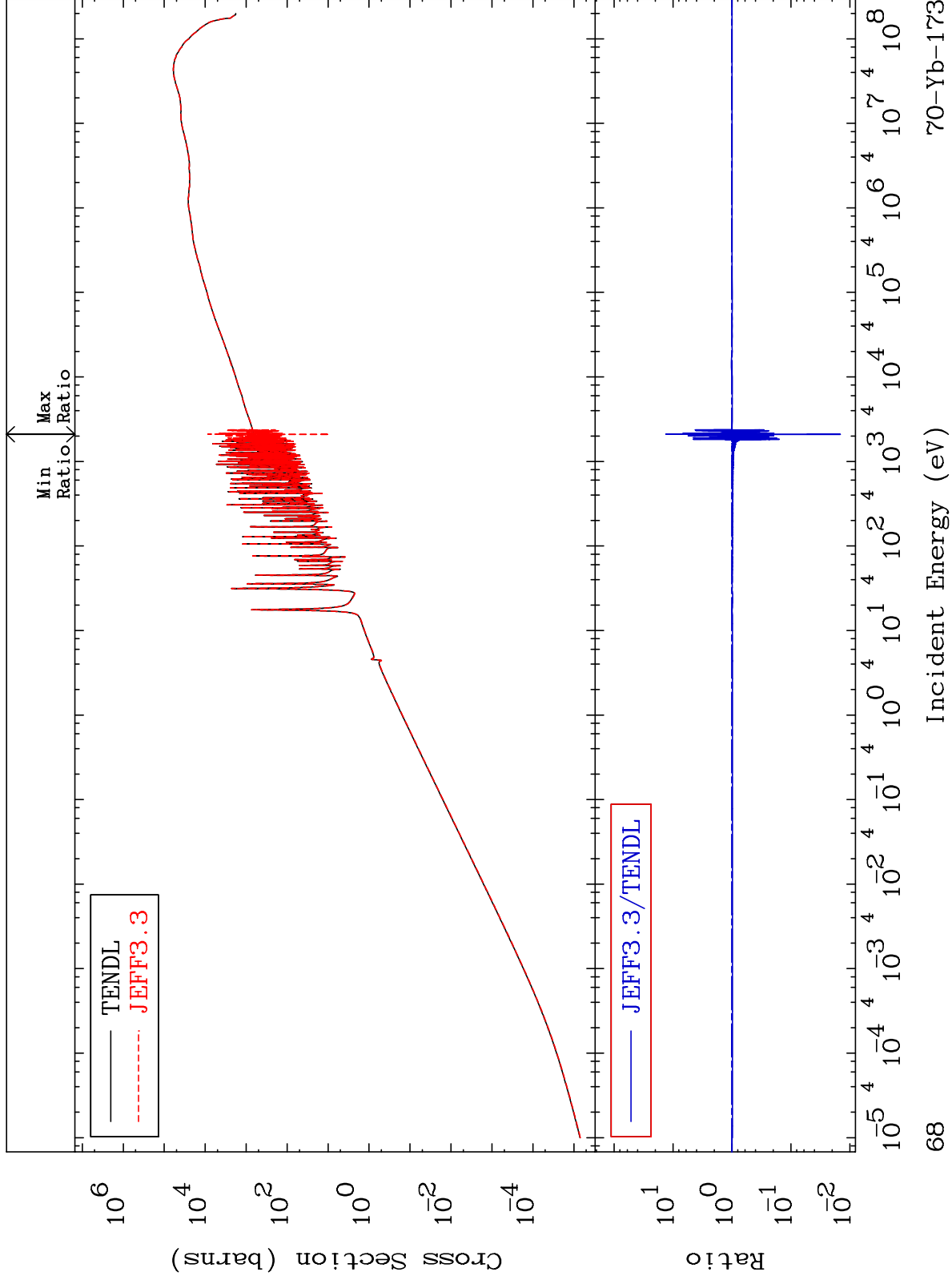
MAT 7040 Kerma total (eV-barns) 70-Yb-173
Cross Section -96.12 To 1179. %



MAT 7040

Kerma elastic
Cross Section

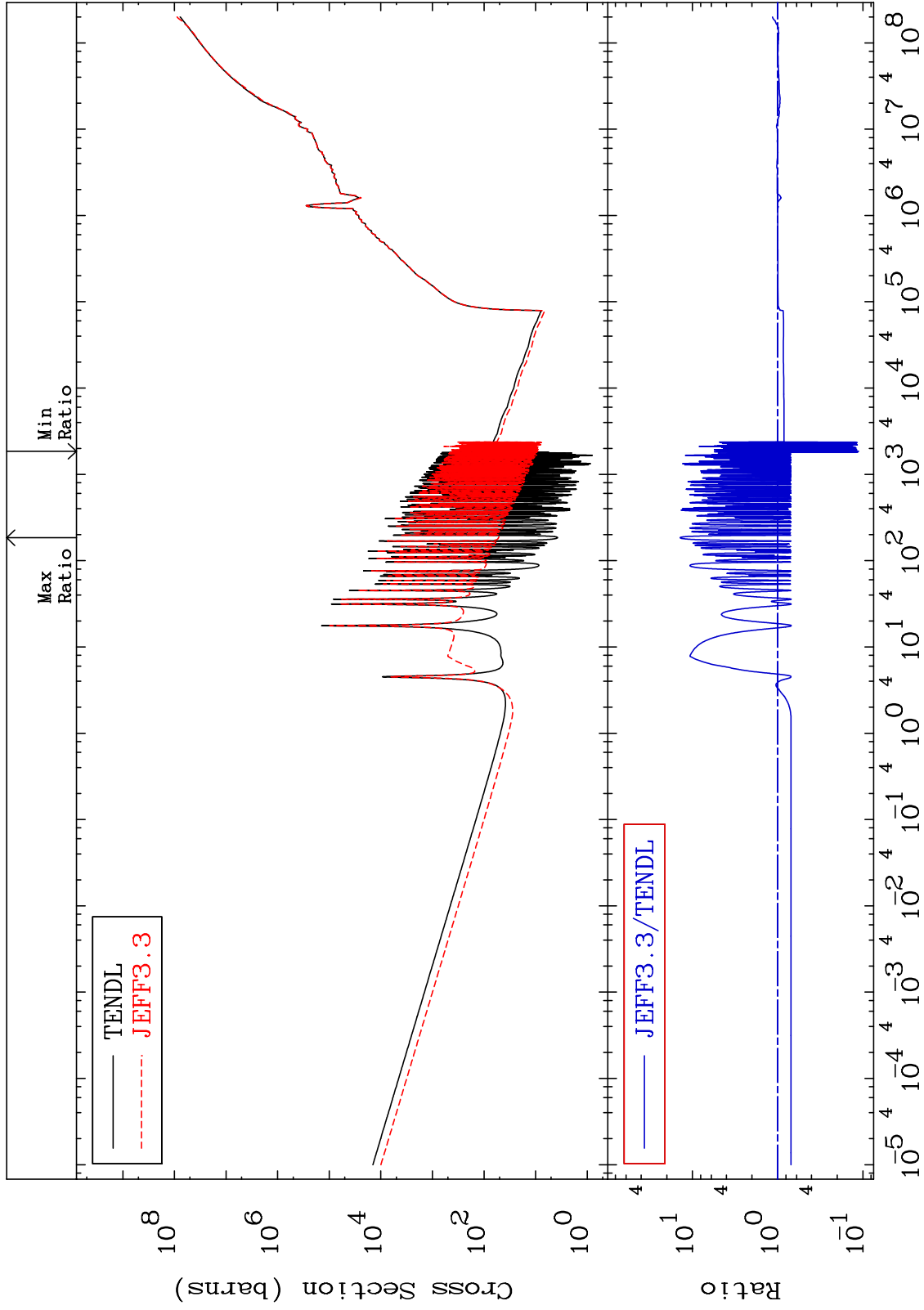
70-Yb-173
-98.56 To 1228. %



MAT 7040

Kerma non-elastic (all but mt2)
Cross Section

70-Yb-173
-88.72 To 1299. %



69

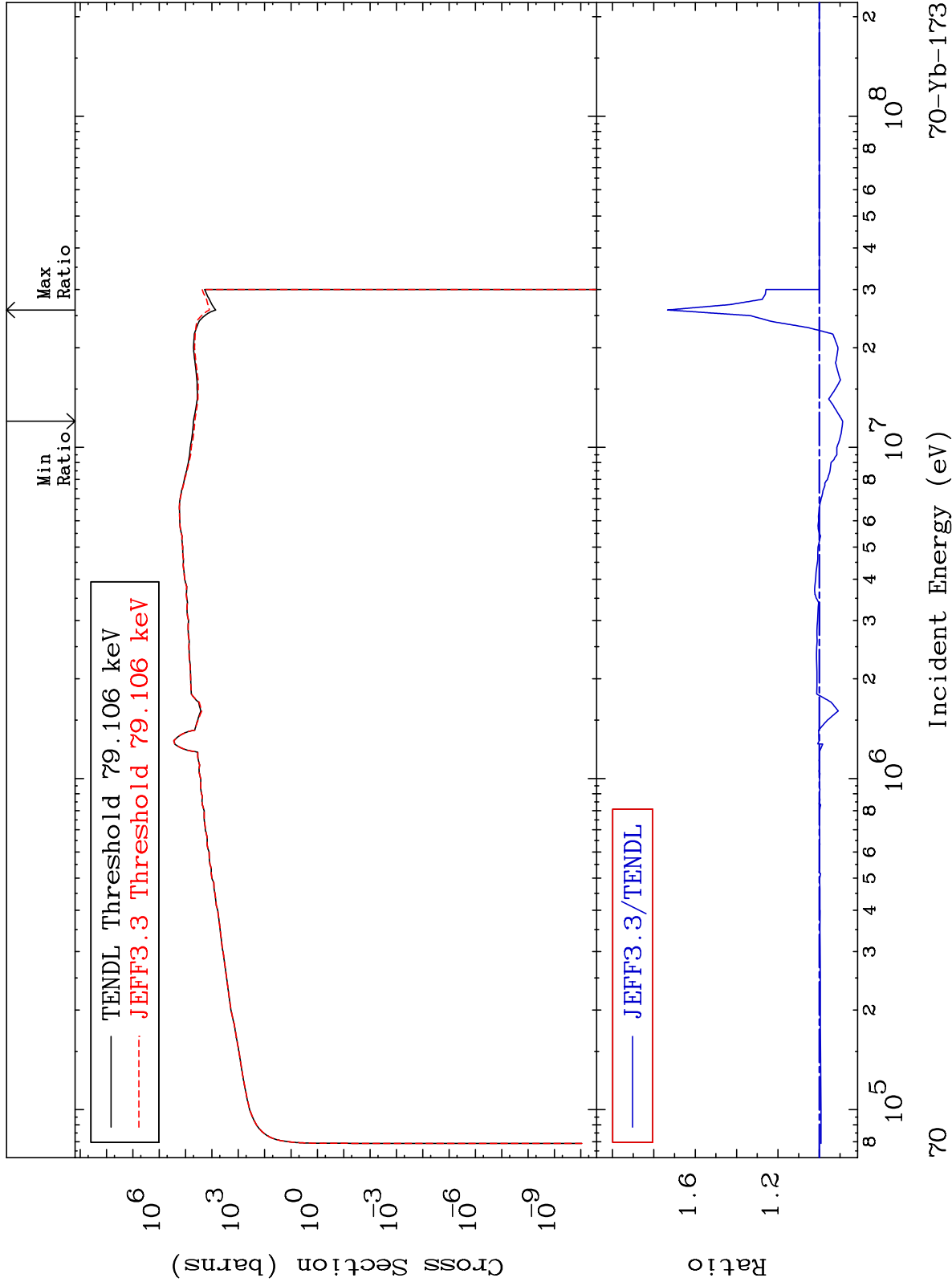
Incident Energy (eV)

70-Yb-173

MAT 7040

Kerma inelastic (mt51-91)
Cross Section

70-Yb-173
-11.30 To 73.38 %

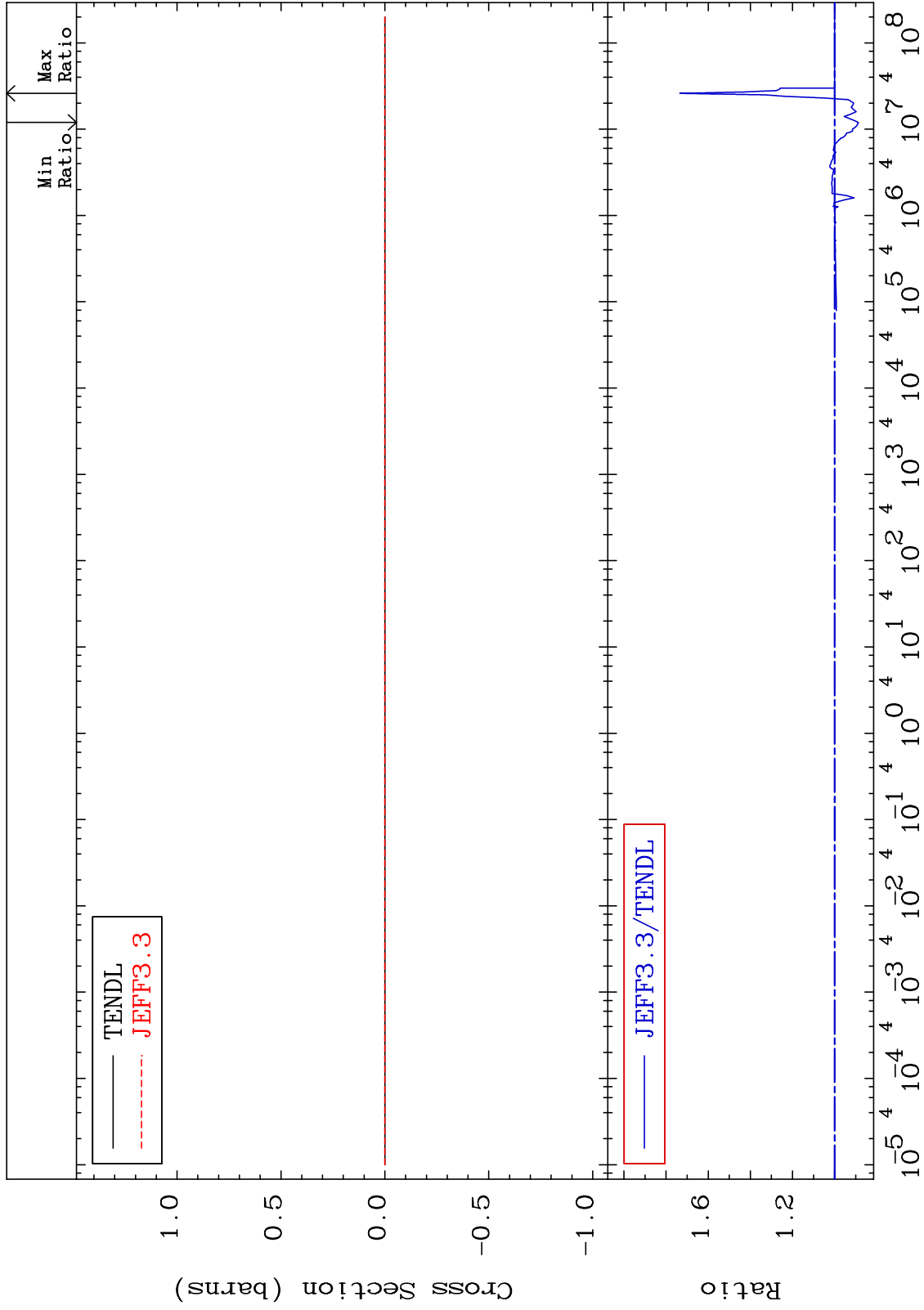


70-Yb-173

MAT 7040

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

70-Yb-173
-11.30 To 73.38 %



71

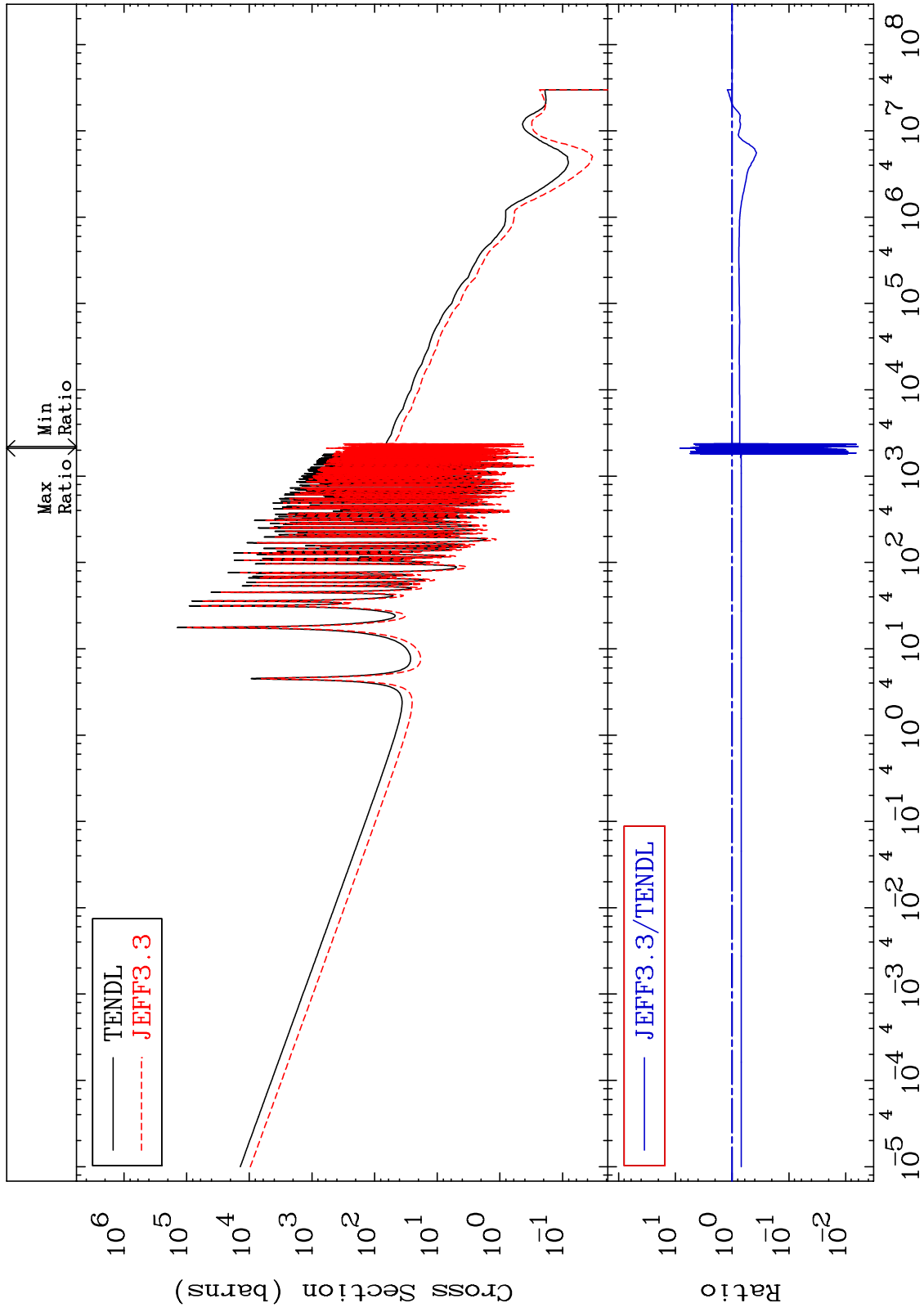
Incident Energy (eV)

70-Yb-173

MAT 7040

Kerma capture (mt102)
Cross Section

70-Yb-173
-99.40 To 728.0 %



72

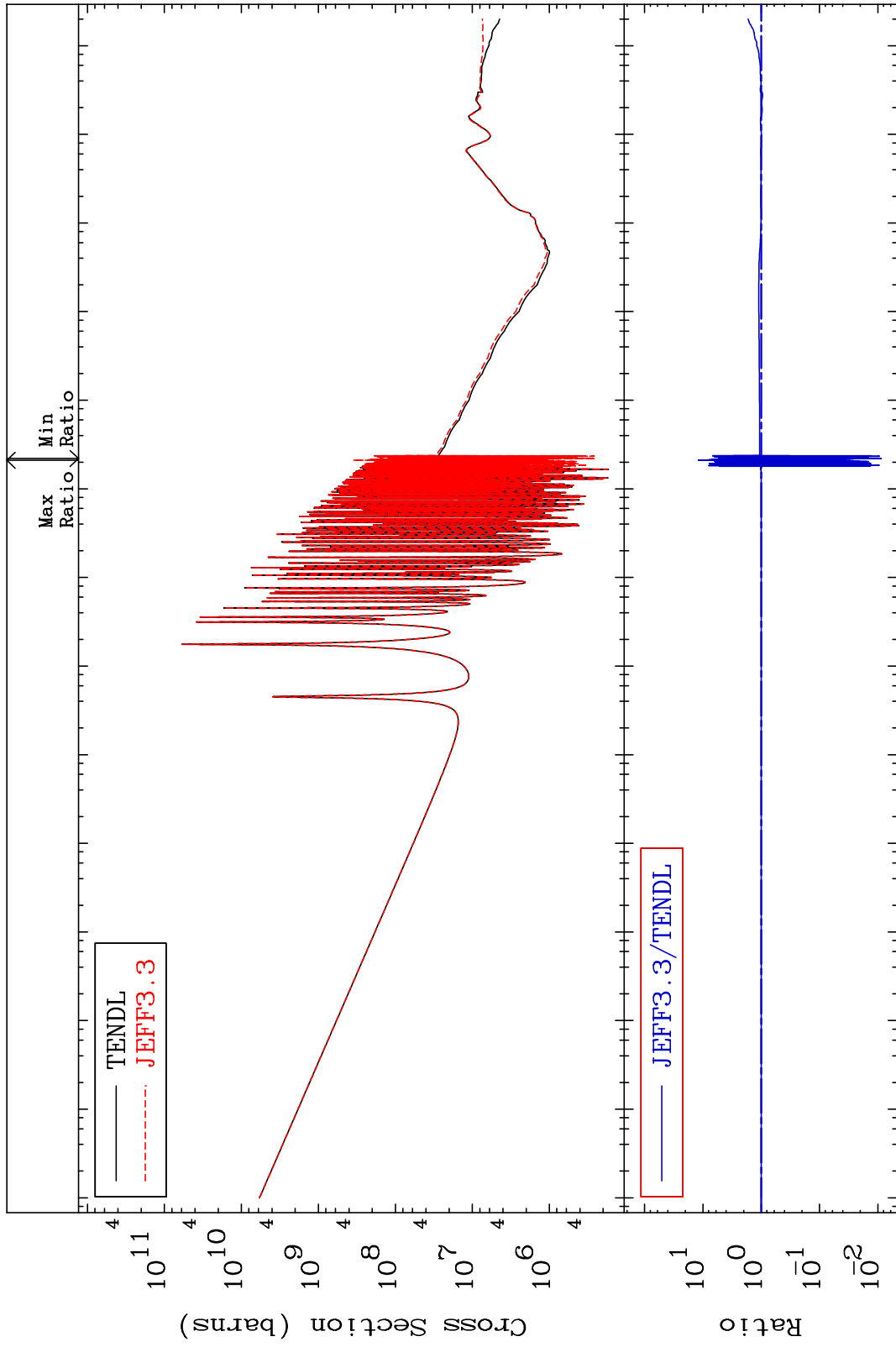
Incident Energy (eV)

70-Yb-173

MAT 7040

Total photon (eV-barns)
Cross Section

70-Yb-173
-99.14 To 1099. %

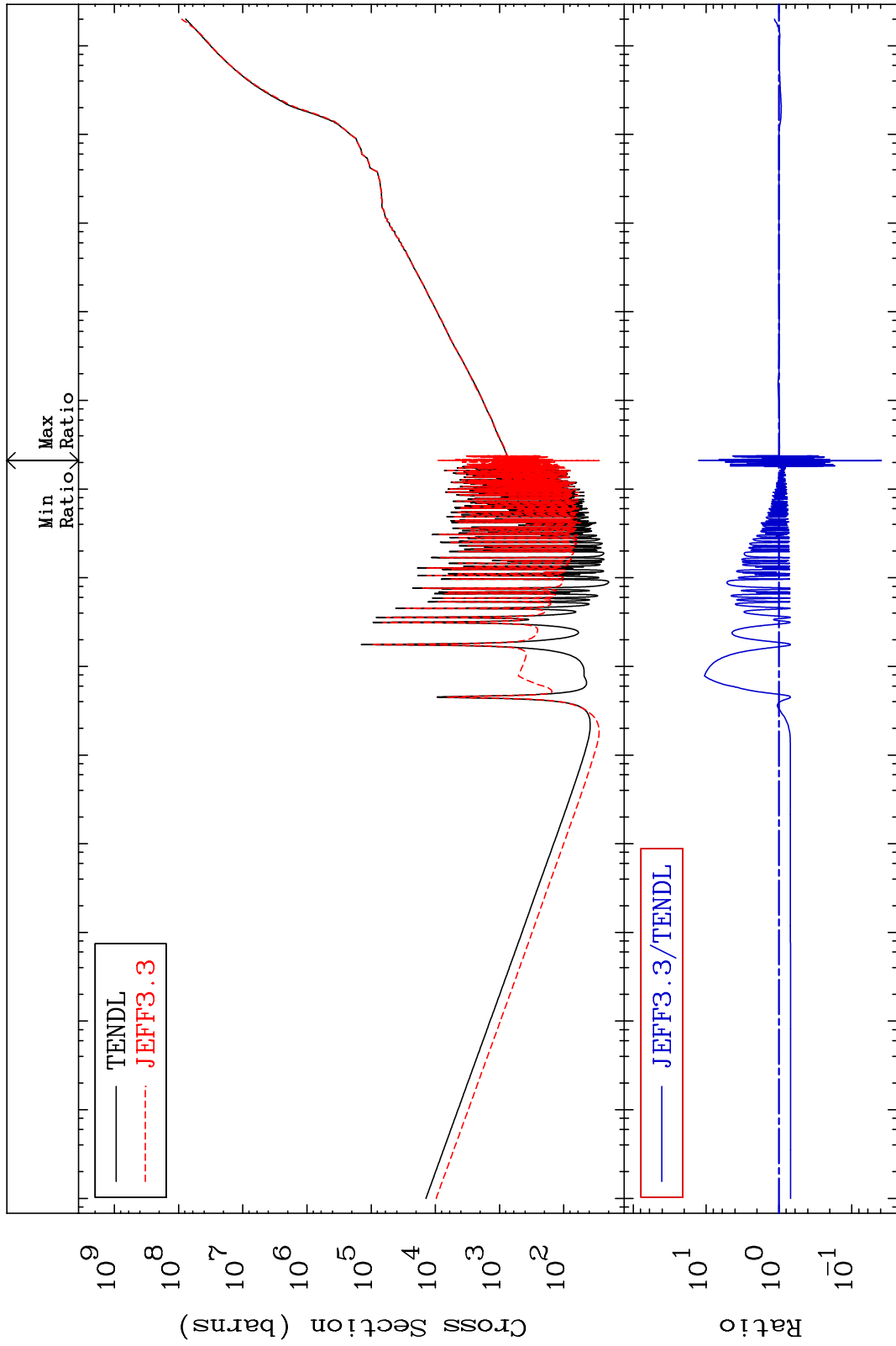


73

Incident Energy (eV)

70-Yb-173

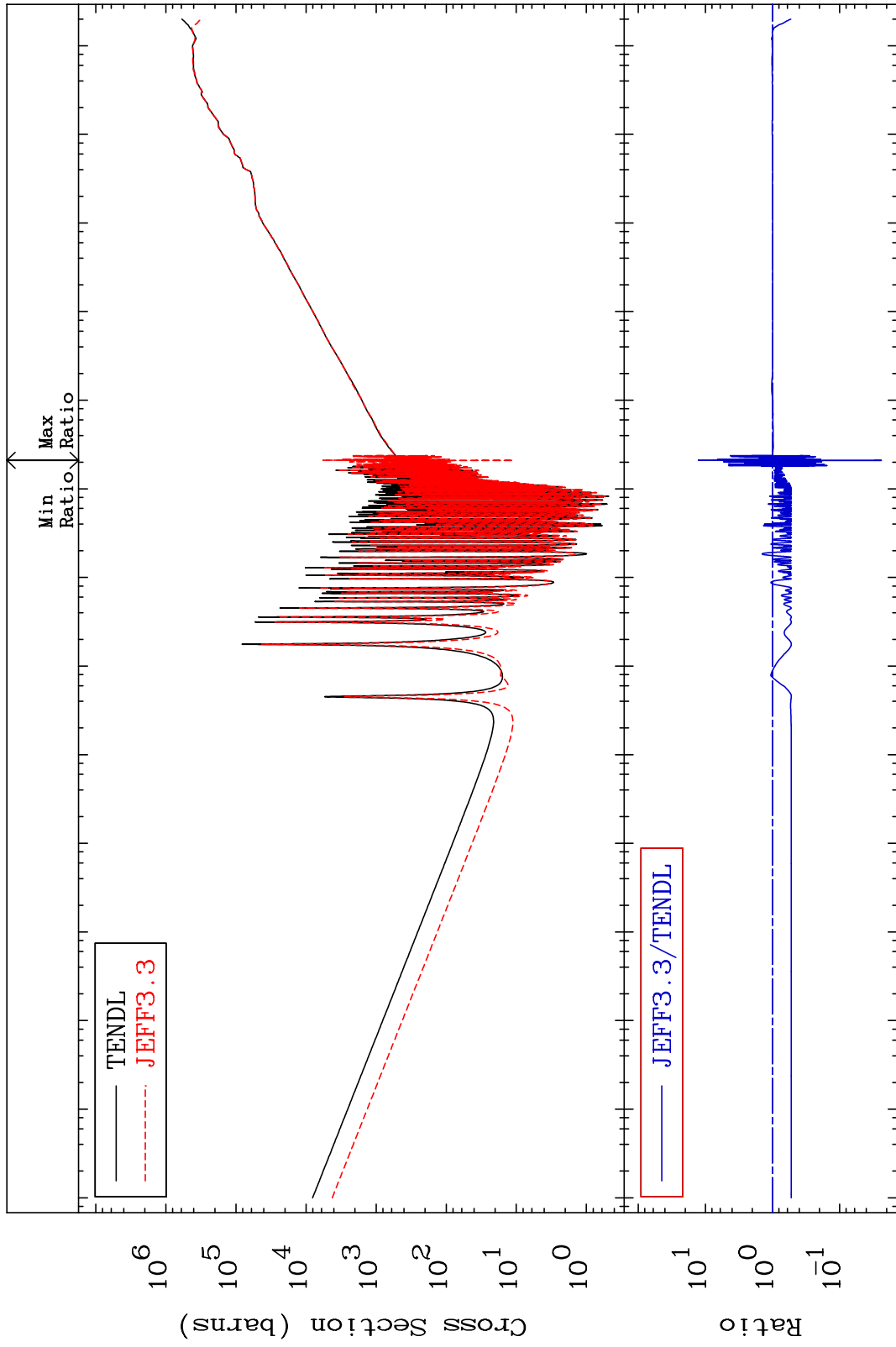
MAT 7040 Total kinematic kerma (high limit) 70-Yb-173
 Cross Section -96.11 To 1179. %



MAT 7040

Dpa total (eV-barns)
Cross Section

70-Yb-173
-97.63 To 1174. %



75

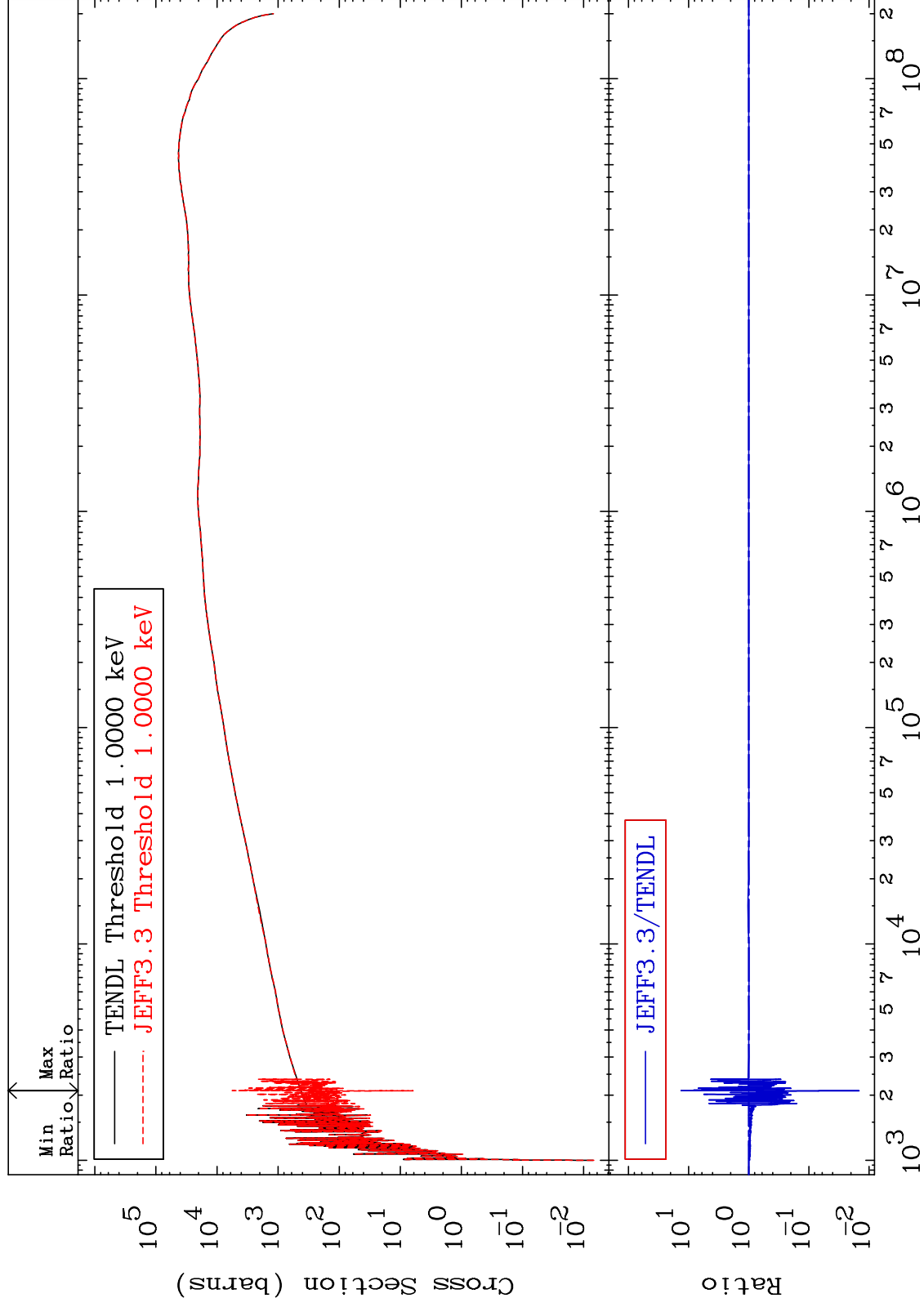
Incident Energy (eV)

70-Yb-173

MAT 7040

Dpa elastic (mt2)
Cross Section

70-Yb-173
-98.55 To 1236. %



76

Incident Energy (eV)

70-Yb-173

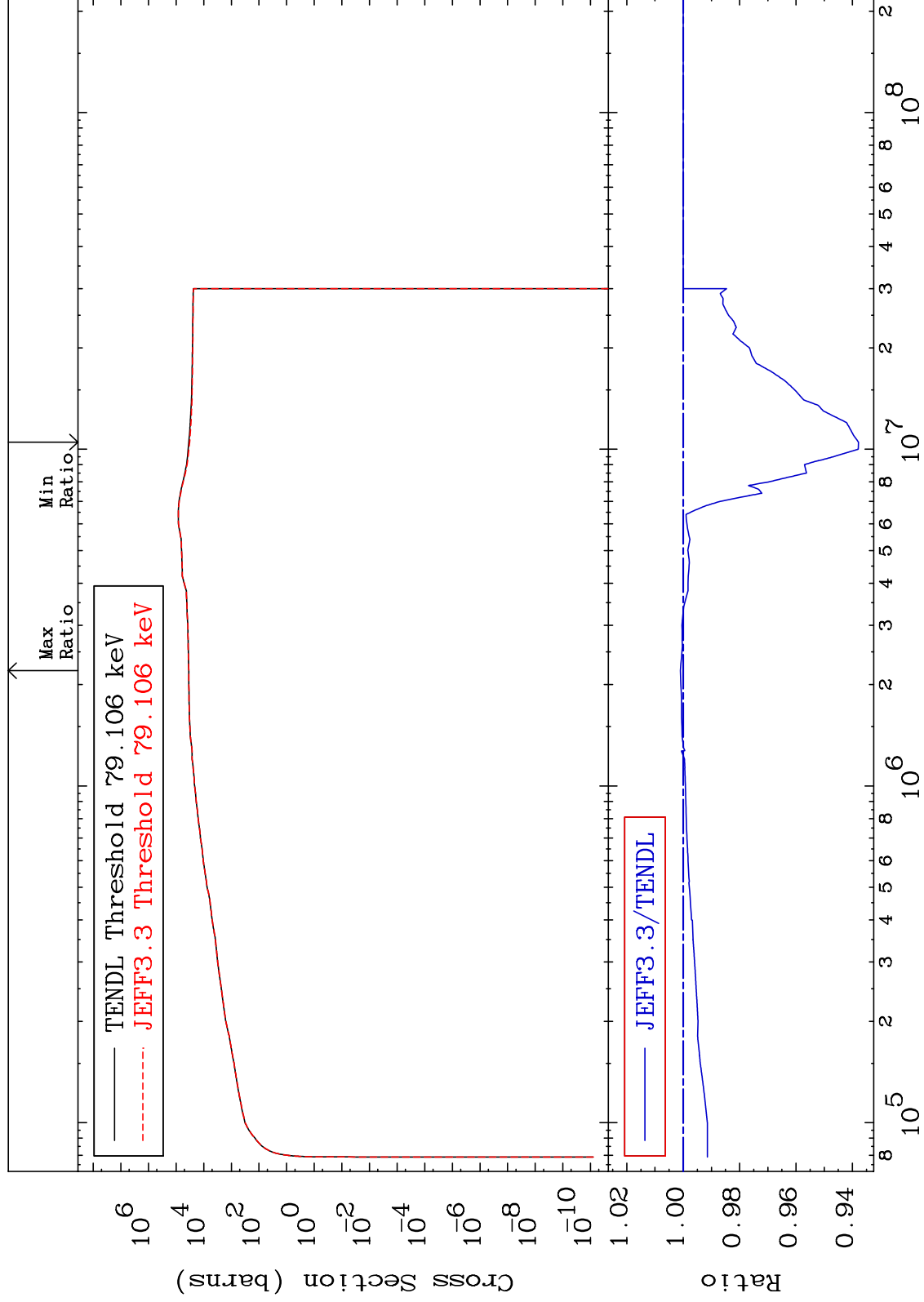
MAT 7040

Dpa inelastic (mt51-91)

70-Yb-173

-6.216 To 0.098 %

Cross Section

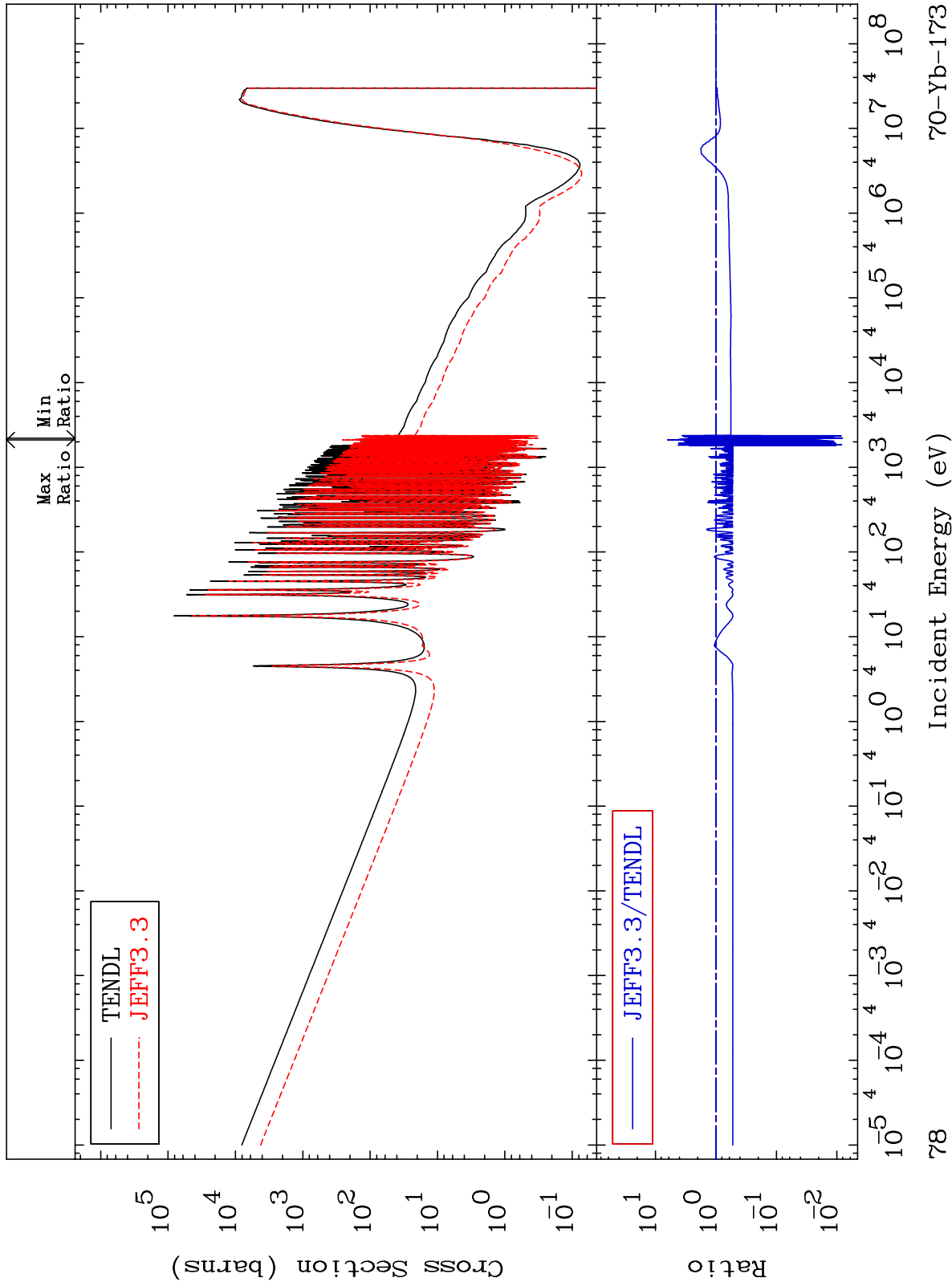


77

Incident Energy (eV)

70-Yb-173

MAT 7040 Dpa disappearance (mt102 -120) 70-Yb-173
Cross Section -99.20 To 530.8 %

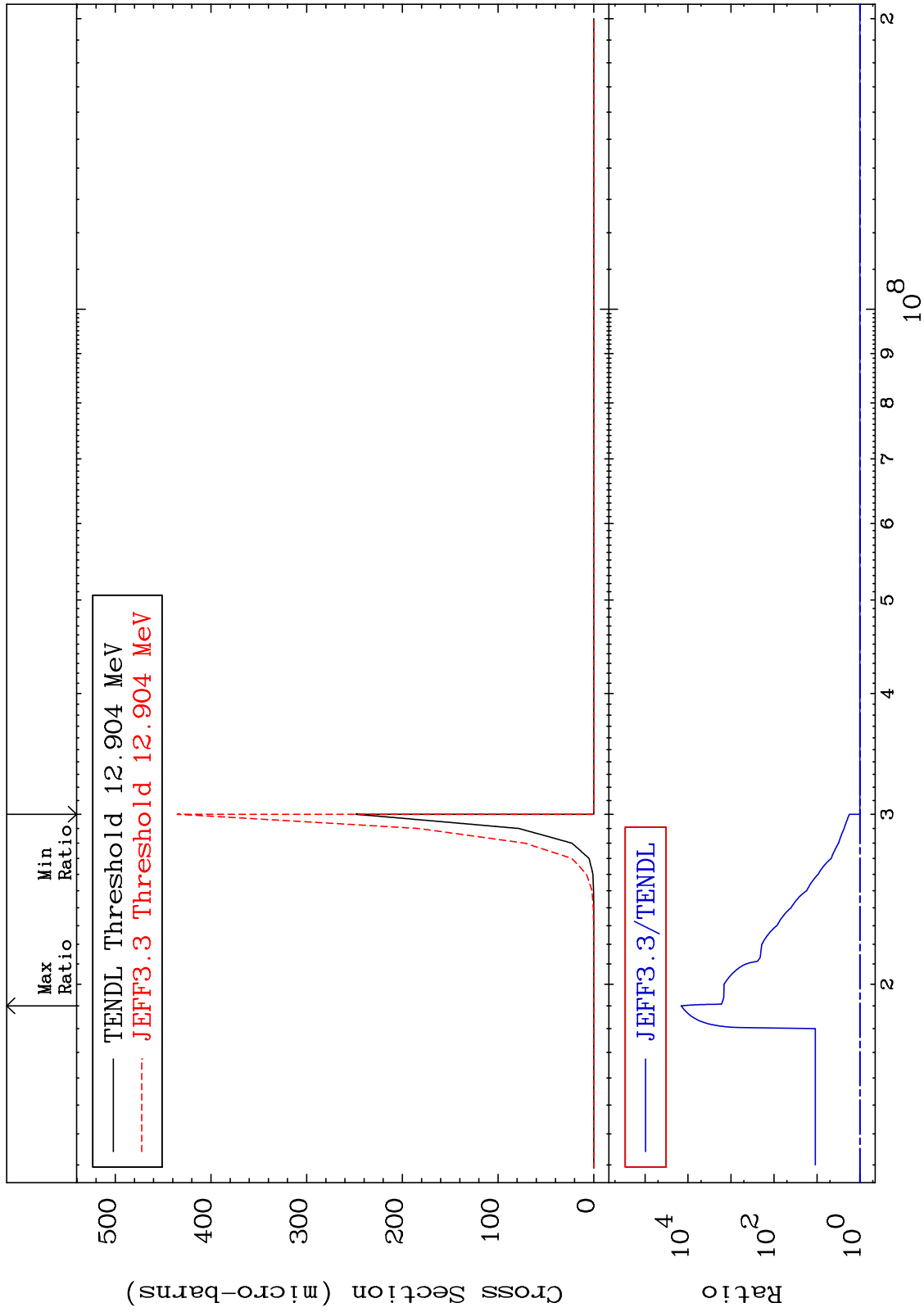


70-Yb-173

Incident Energy (eV)

MAT 7040

(n,3n) α :68-Er-167g 70-Yb-173
Radionuclide Production Cross Section 0.000 To 9999. %



79

Incident Energy (eV)

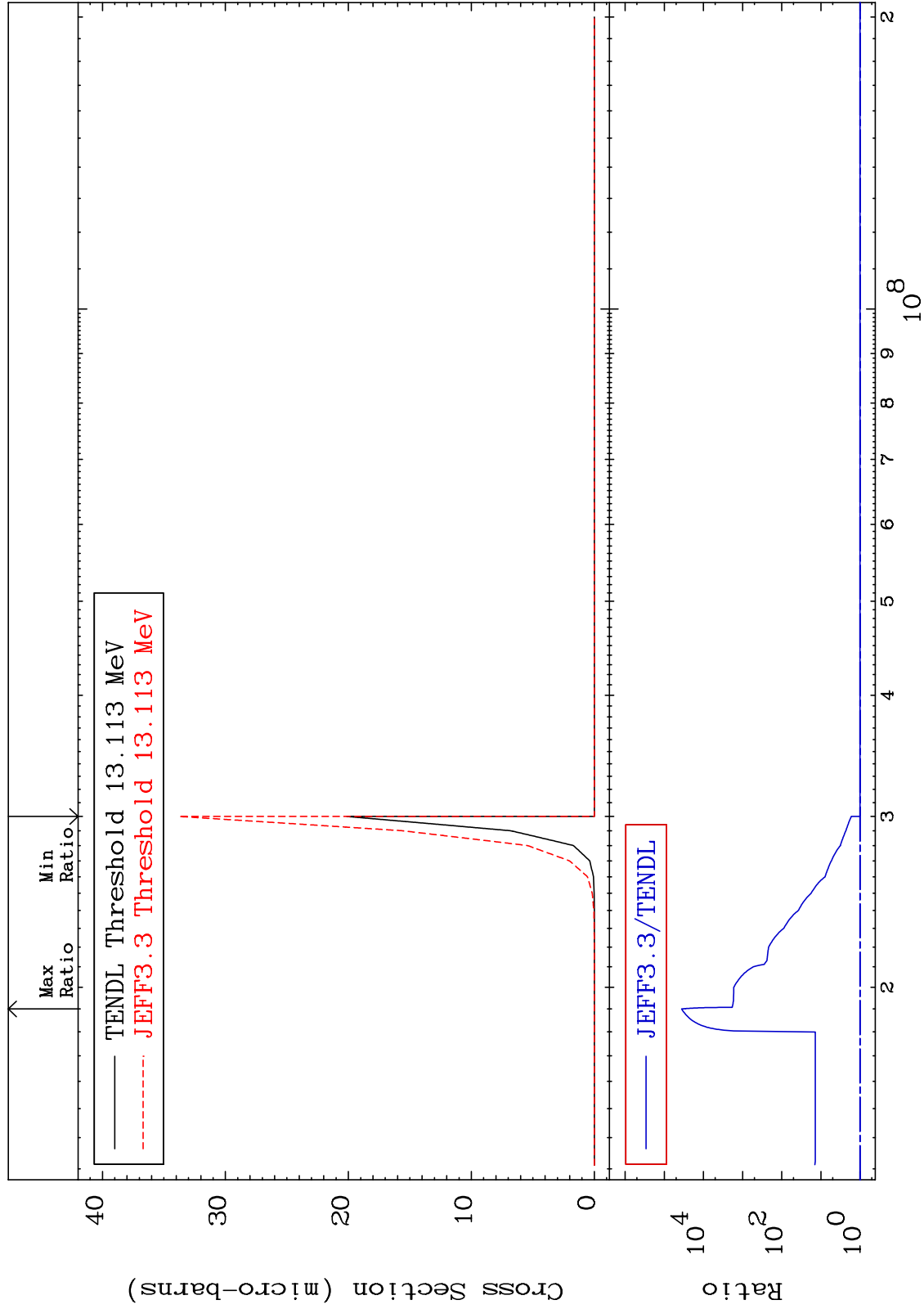
70-Yb-173

MAT 7040

(n,3n) α : 68-Er-167m3

70-Yb-173

Radionuclide Production Cross Section 0.000 To 9999. %



80

Incident Energy (eV)

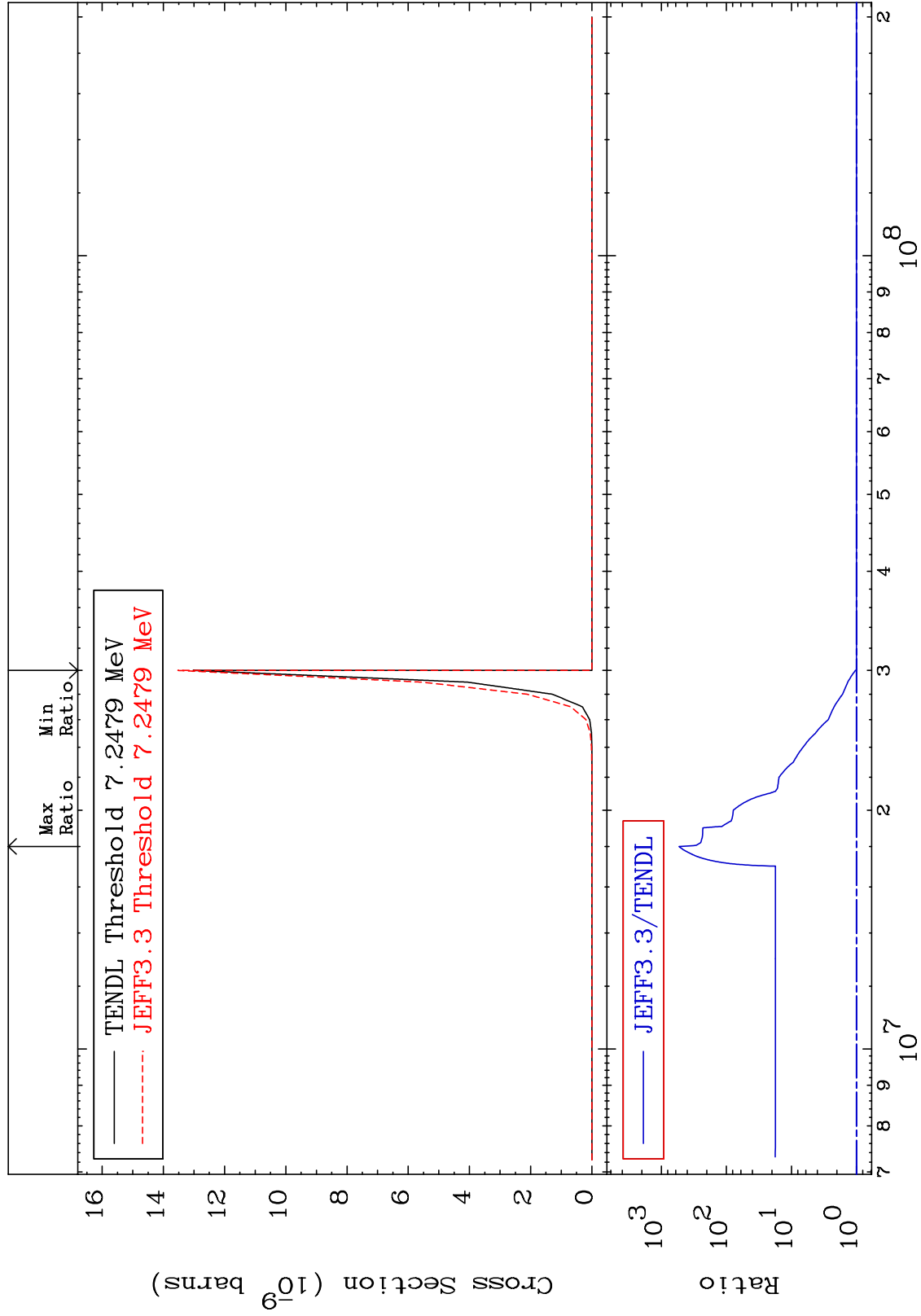
70-Yb-173

MAT 7040

(n, n') p α : 67-Ho-168g

70-Yb-173

Radionuclide Production Cross Section 0.000 To 9999. %



81

Incident Energy (eV)

70-Yb-173

MAT 7040

(n, n') p α : 67-Ho-168m1

70-Yb-173

Radionuclide Production Cross Section 0.000 To 9999. %

