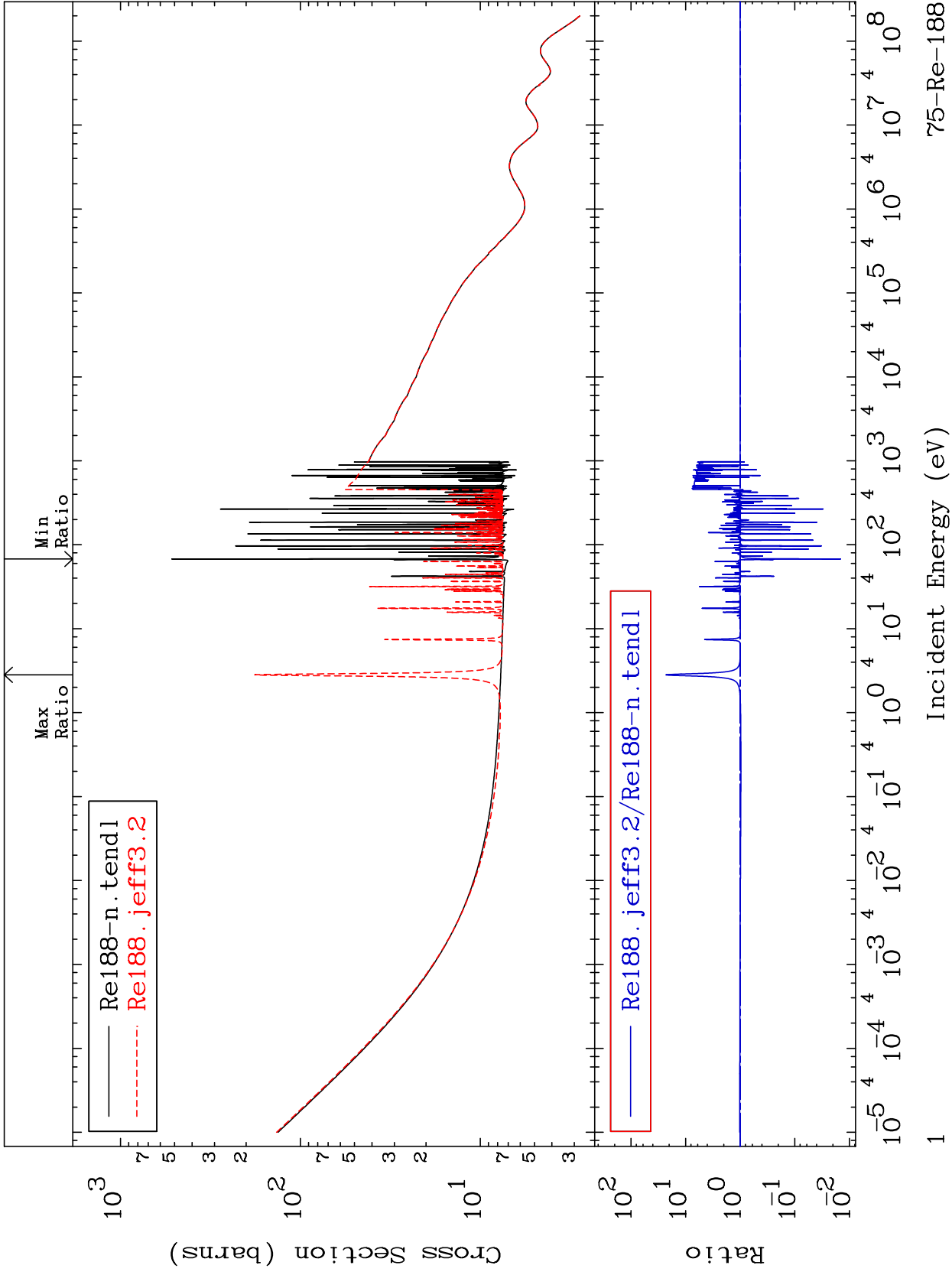


MAT 7534

75-Re-188
-98.56 To 2234. %

Total
Cross Section



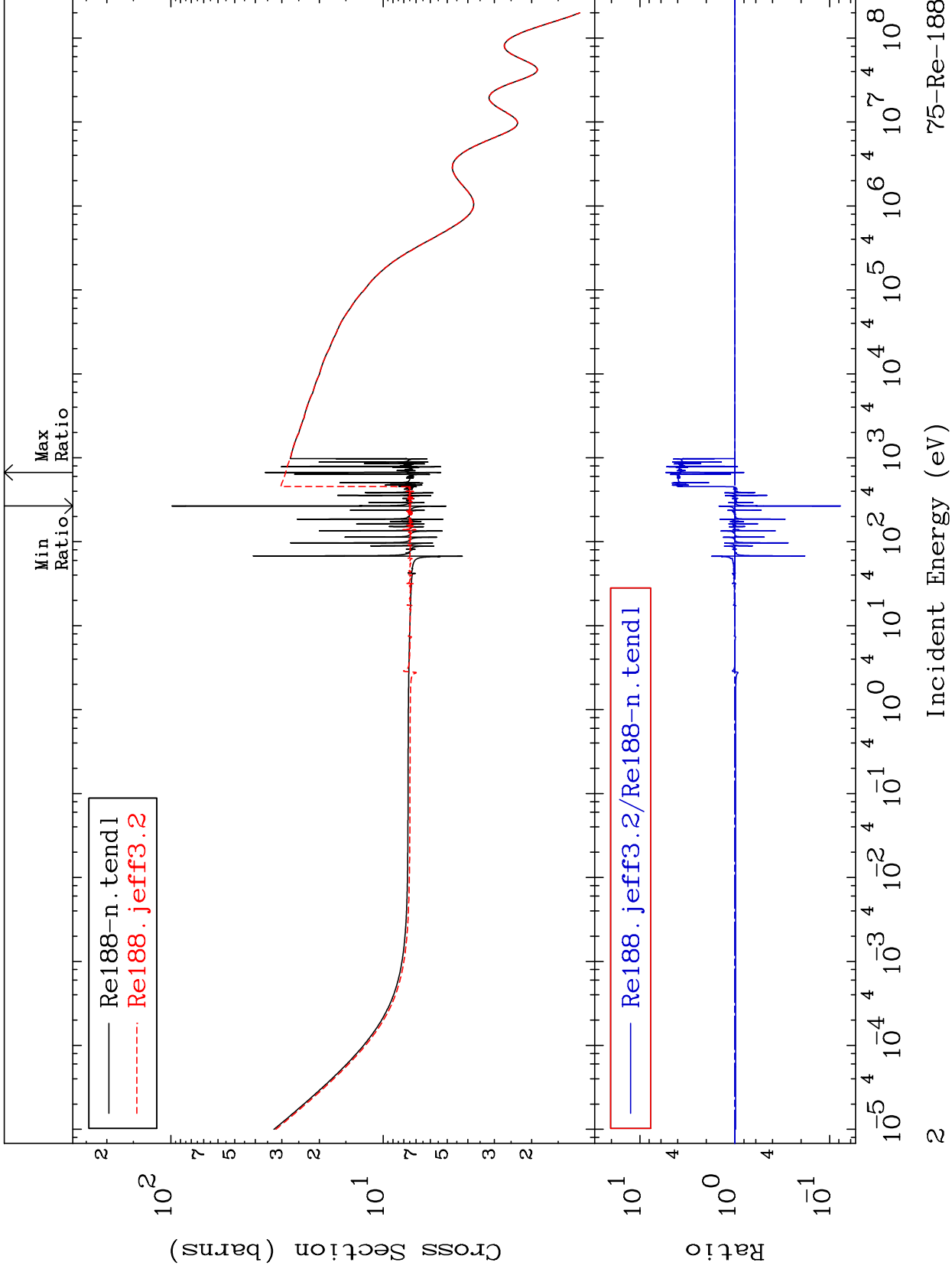
MAT 7534

Elastic

Cross Section

⁷⁵Re-188

-92.35 To 437.8 %



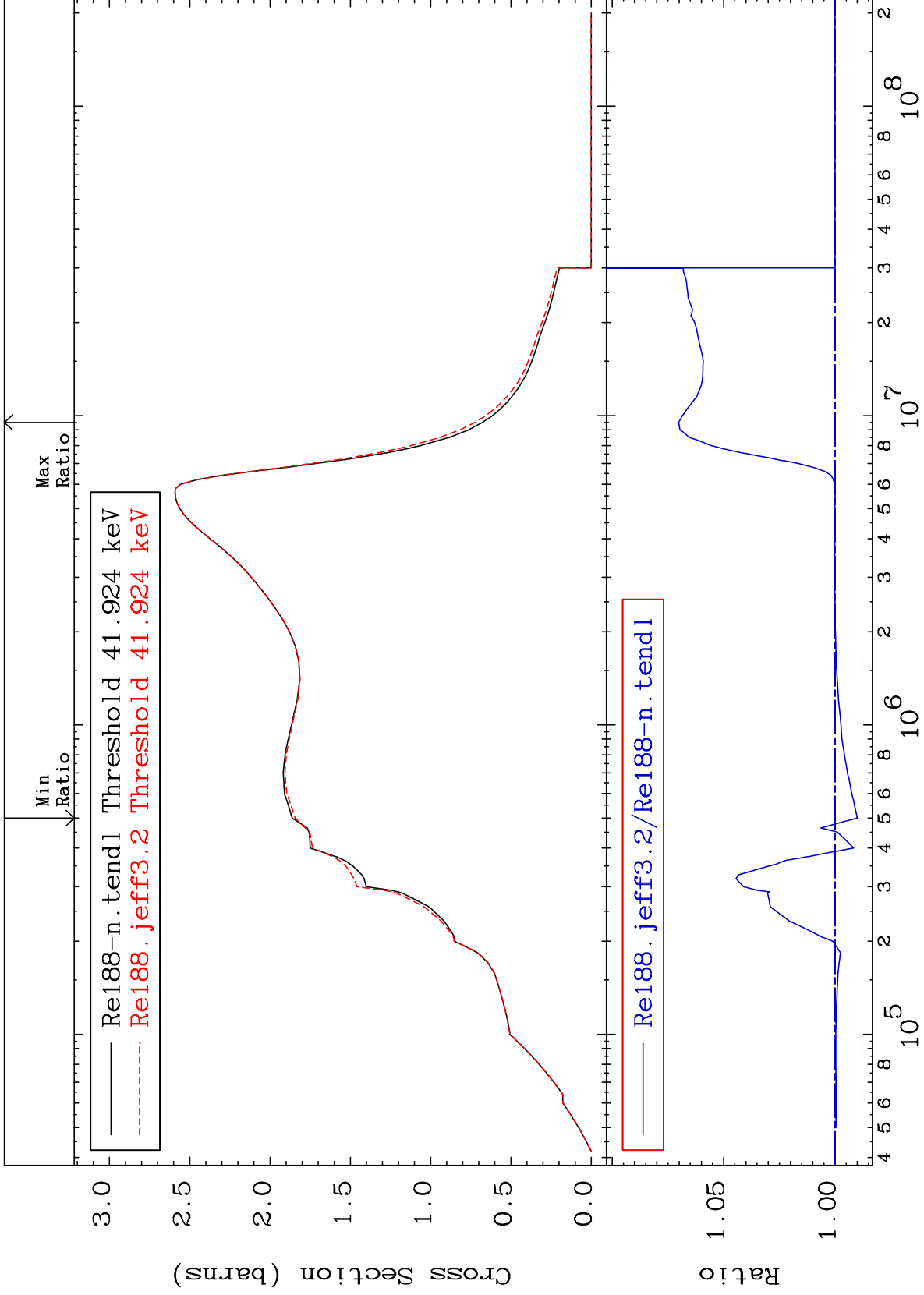
Incident Energy (eV)

⁷⁵Re-188

MAT 7534

Inelastic
Cross Section

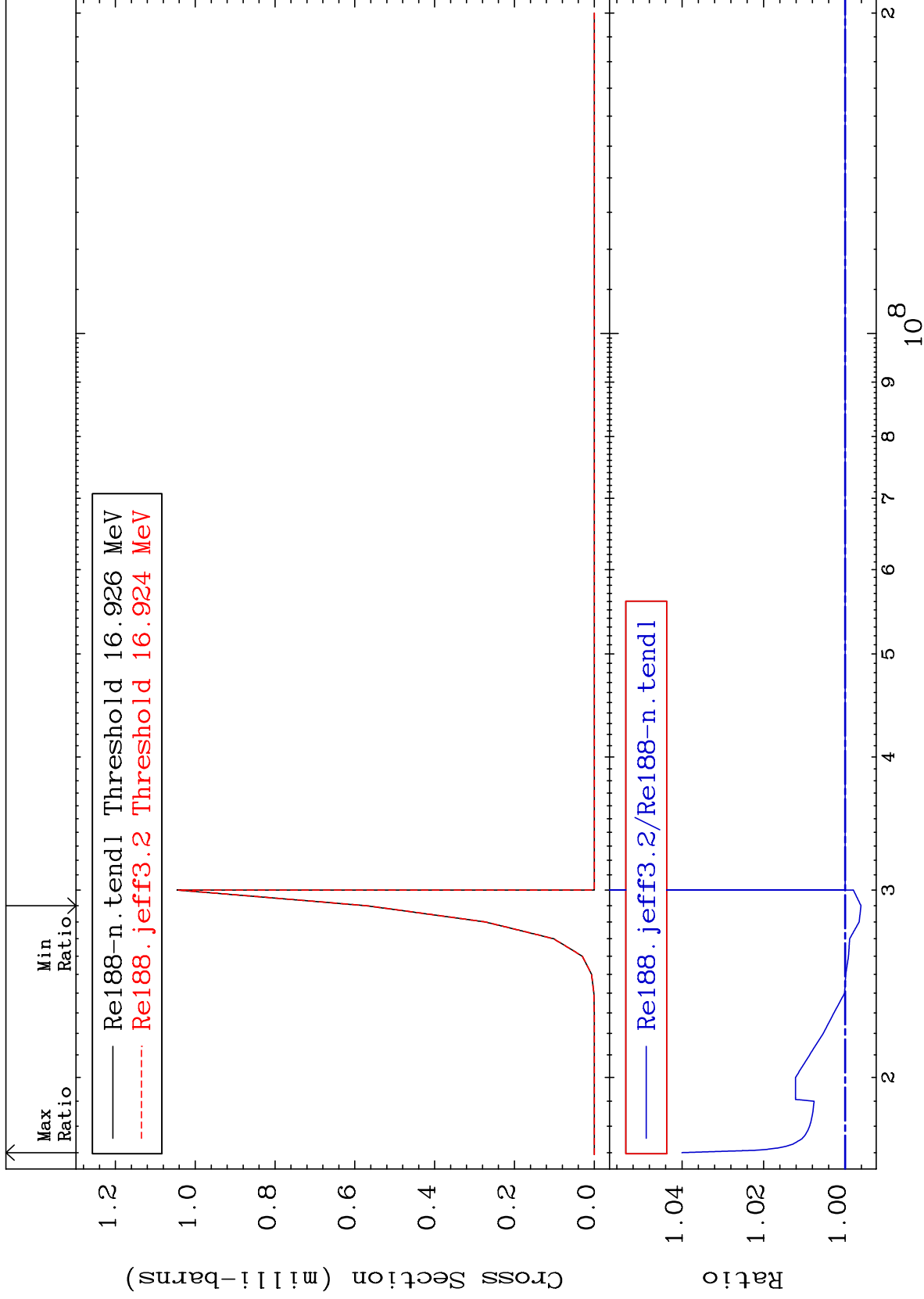
⁷⁵Re-¹⁸⁸Re
-0.997 To 7.022 %



MAT 7534

(n,2n) d
Cross Section

⁷⁵Re-¹⁸⁸Re
-0.391 To 4.002 %



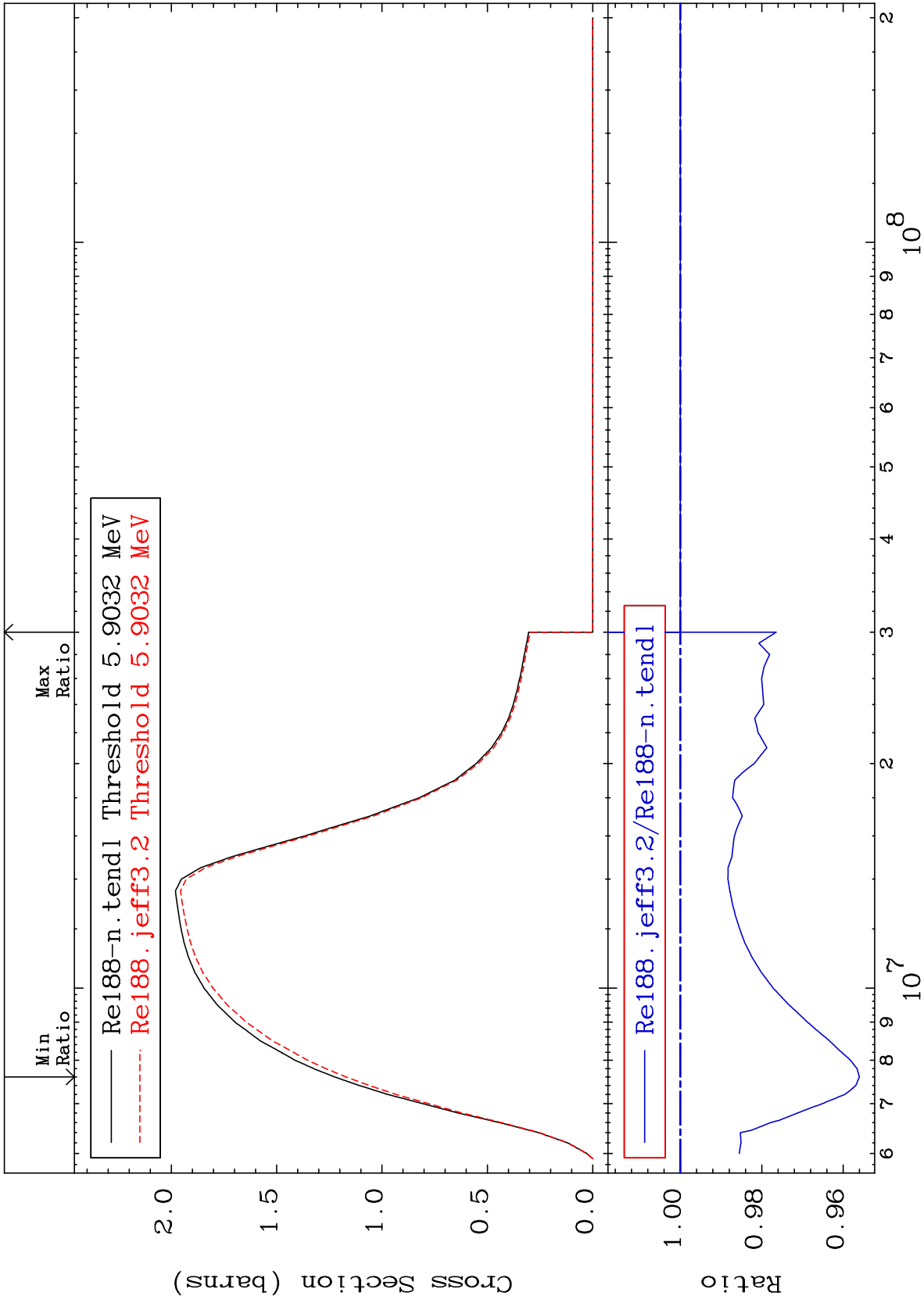
MAT 7534

(n,2n)

⁷⁵Re-¹⁸⁸

Cross Section

-4.399 To 0.000 %



5

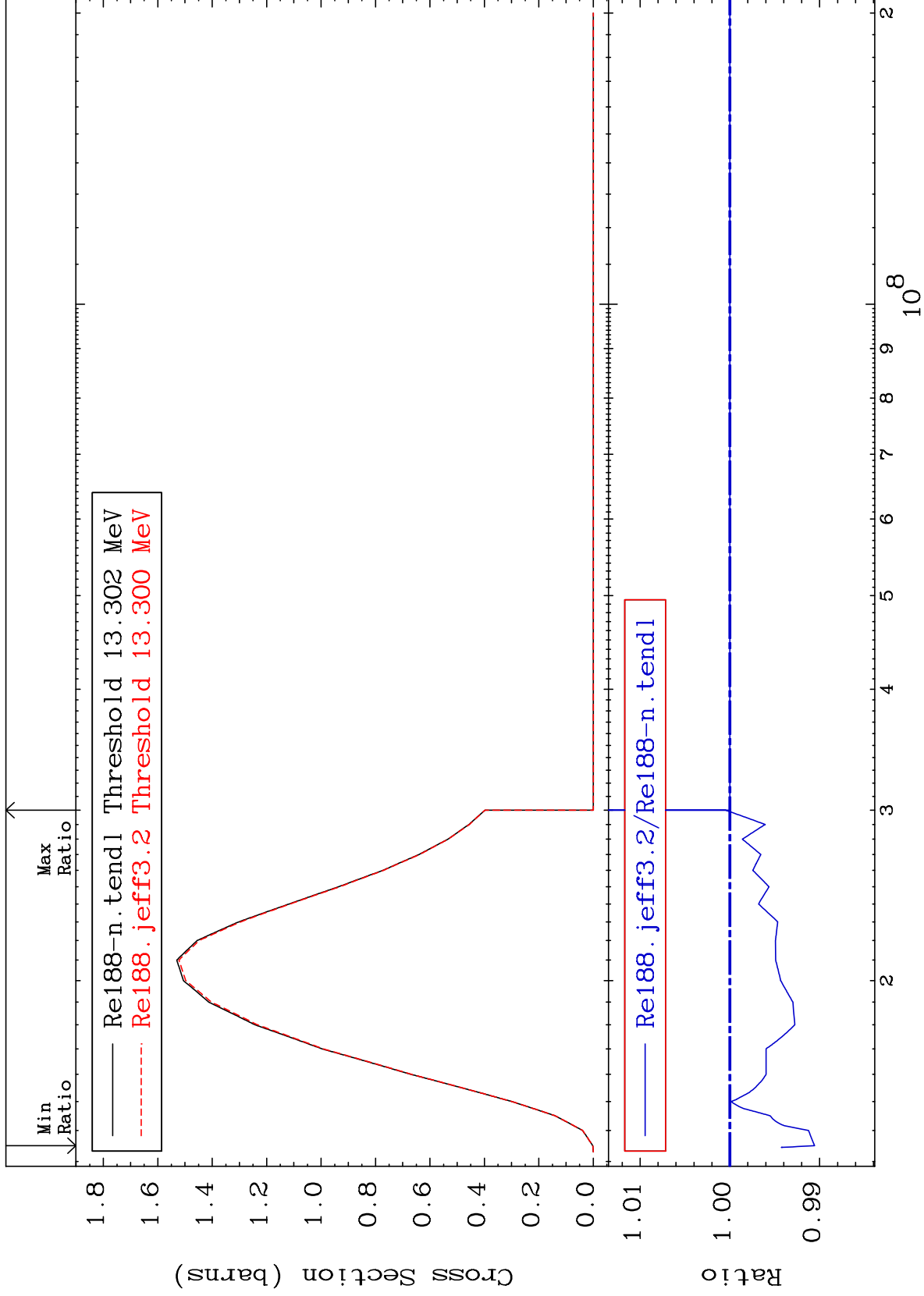
Incident Energy (eV)

⁷⁵Re-¹⁸⁸

MAT 7534

(n,3n)
Cross Section

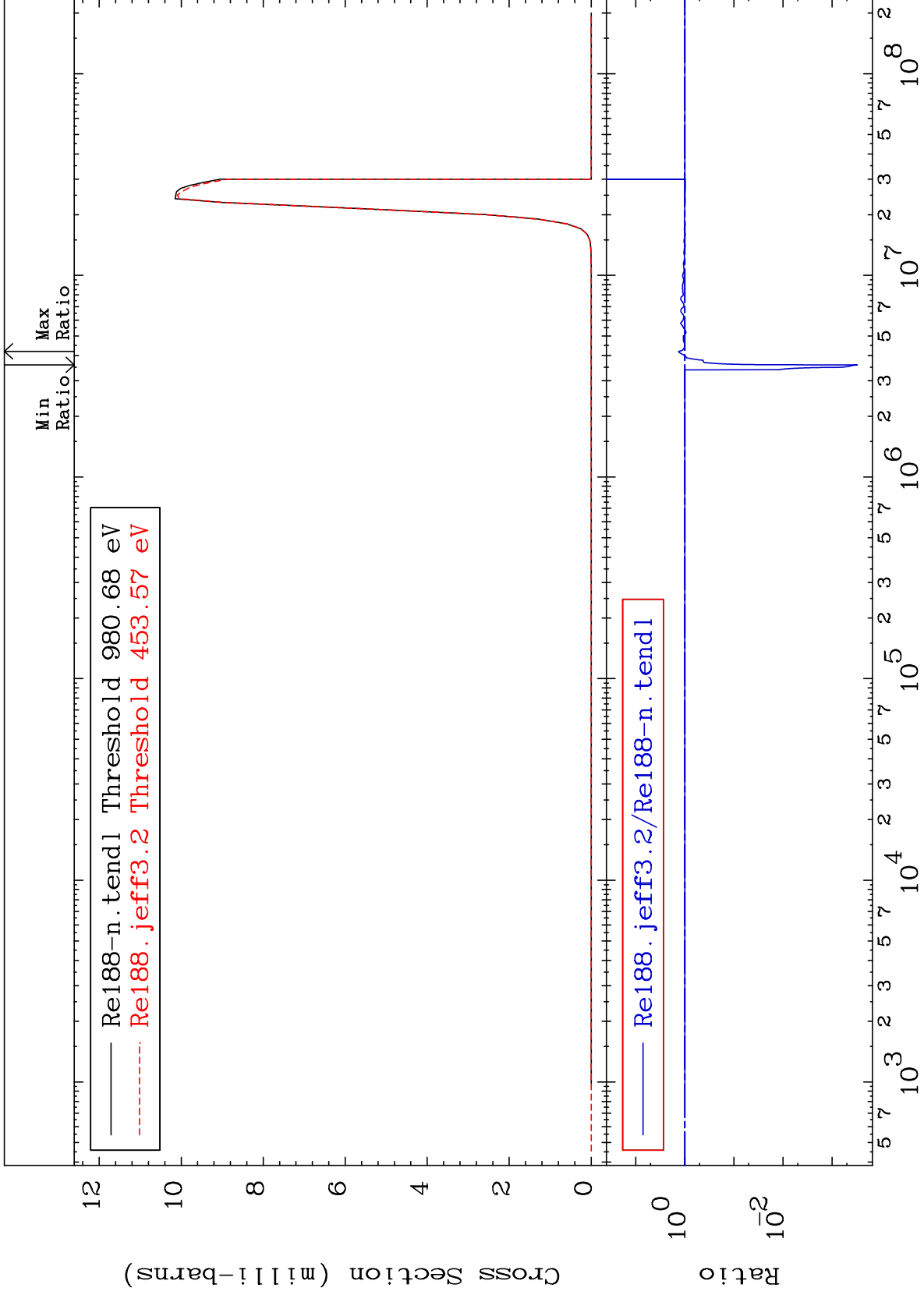
75-Re-188
-0.943 To 0.046 %



MAT 7534

(n, n') α
Cross Section

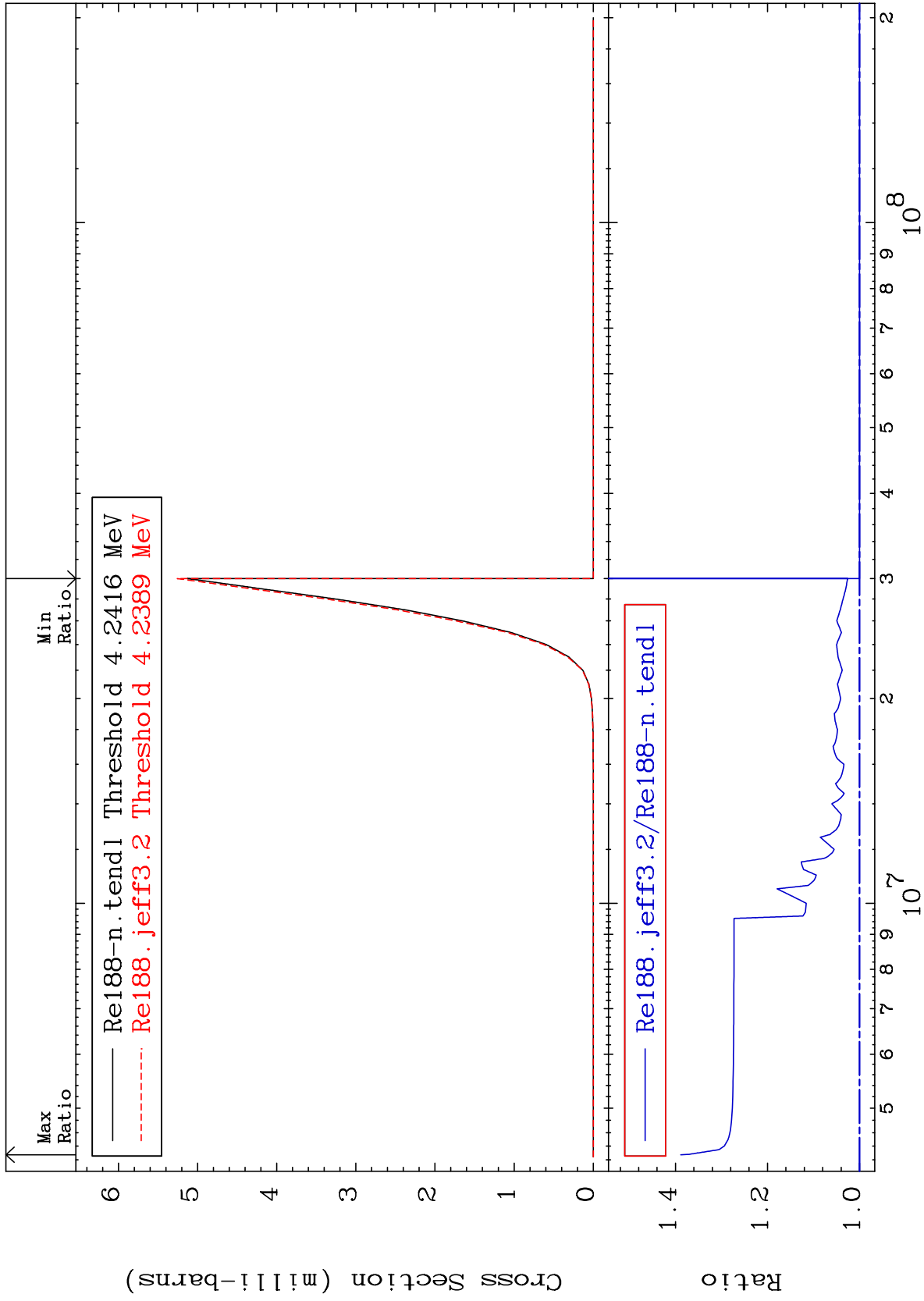
⁷⁵Re-188
-99.97 To 33.73 %



MAT 7534

(n,2n) α
Cross Section

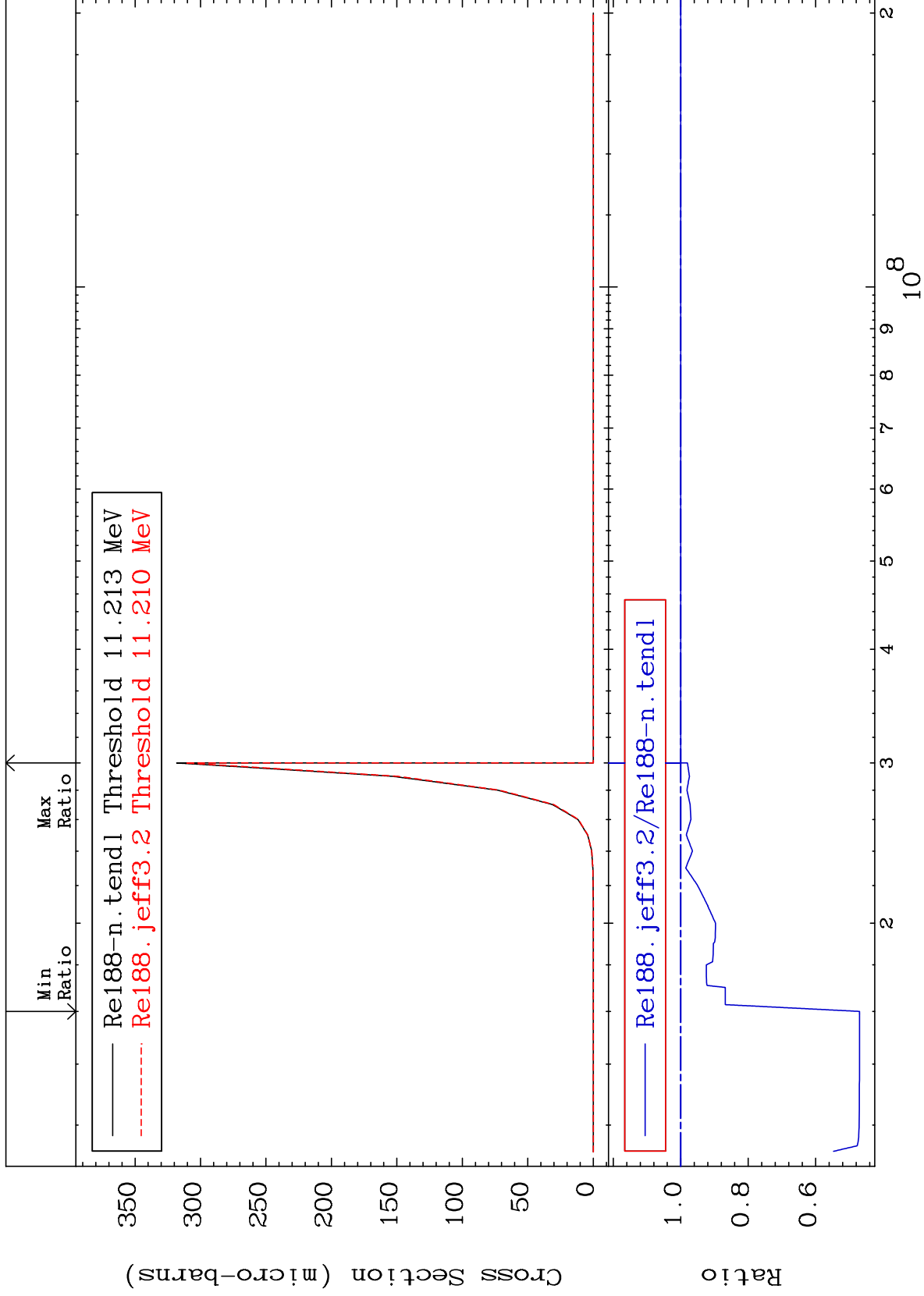
$^{75}\text{Re-188}$
To 38.85 %



MAT 7534

(n,3n) α
Cross Section

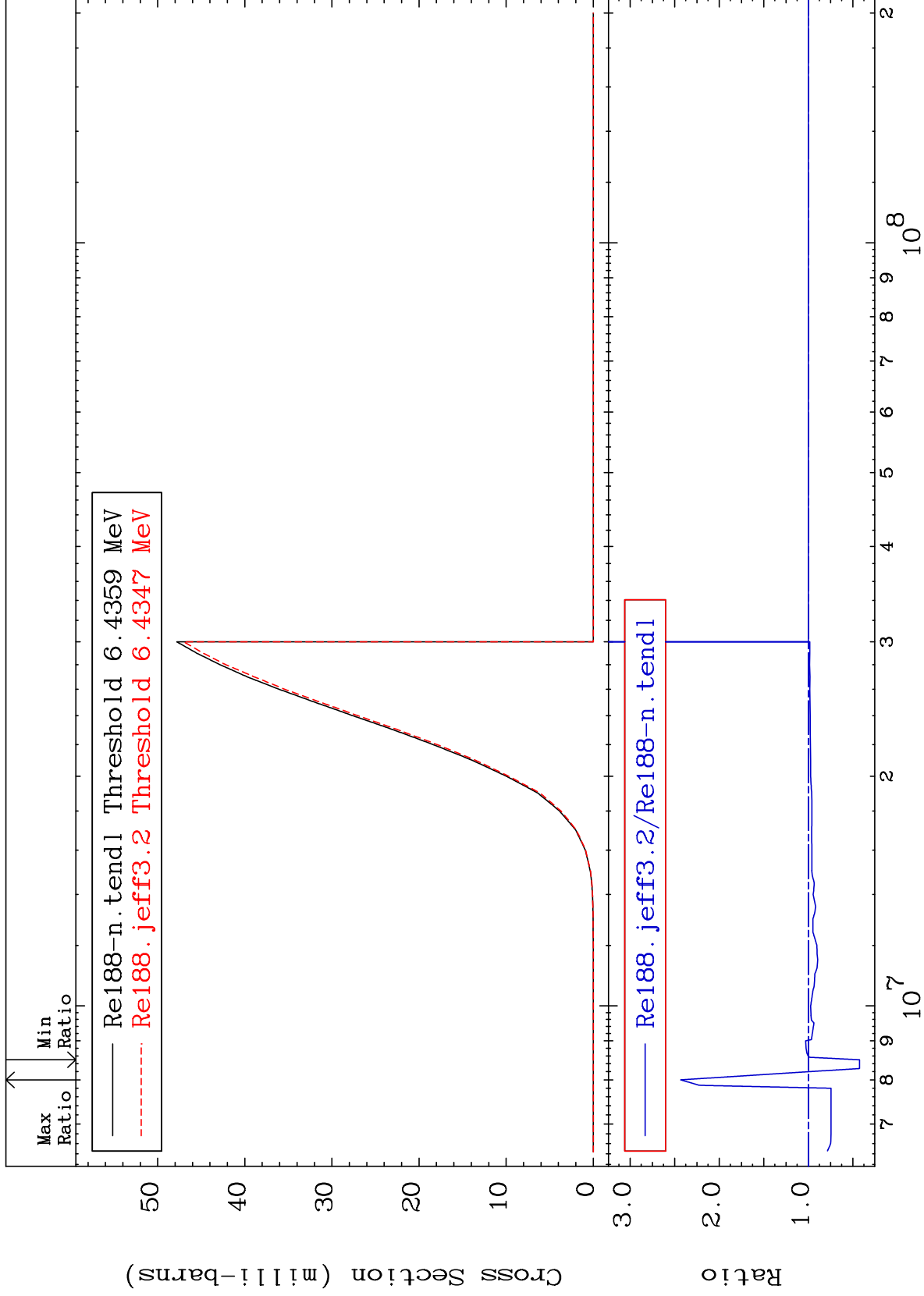
⁷⁵Re-¹⁸⁸Re
-53.00 To 0.000 %



MAT 7534

(n, n') p
Cross Section

⁷⁵Re-¹⁸⁸Re
-57.57 To 143.1 %



10

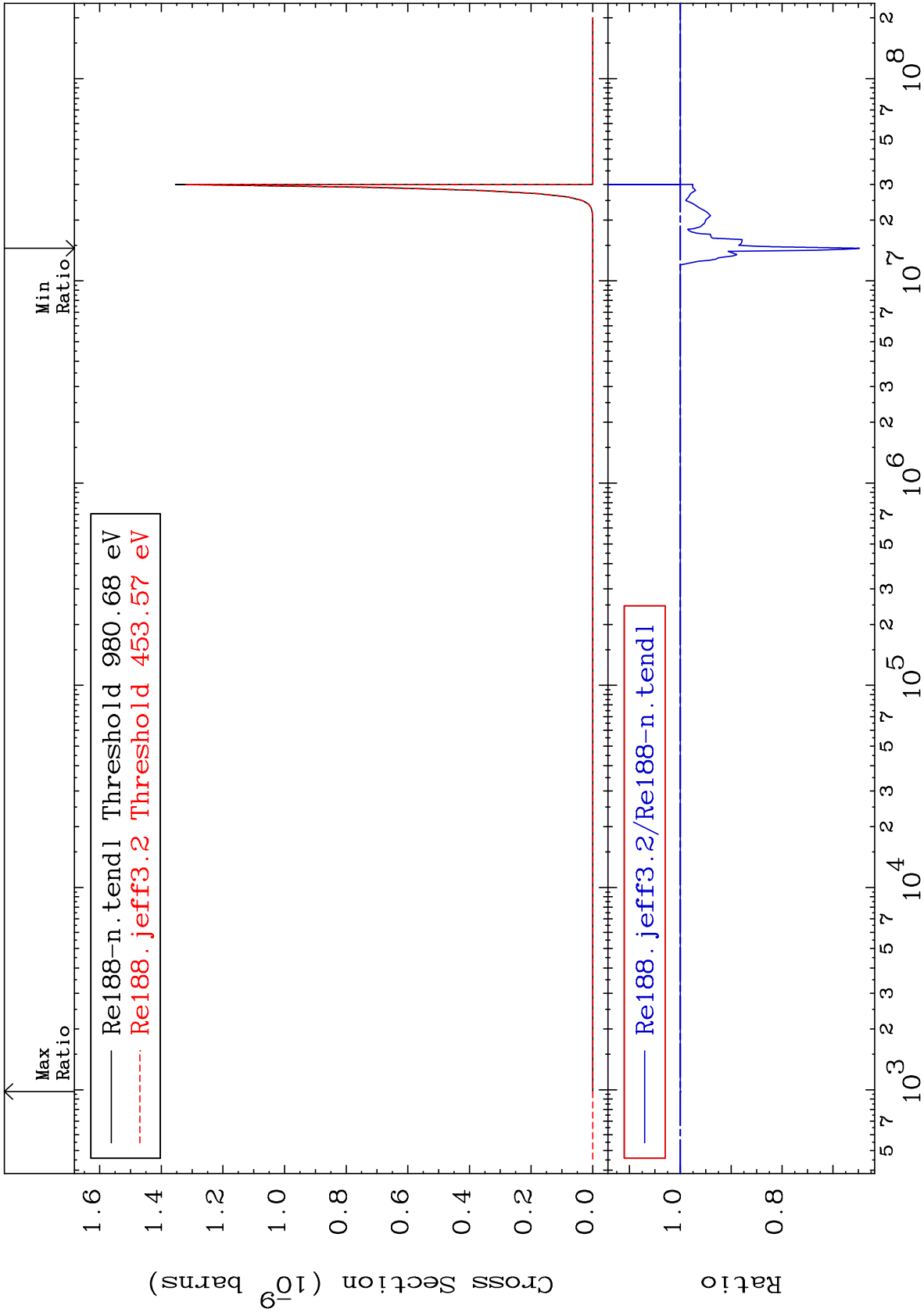
Incident Energy (eV)

⁷⁵Re-¹⁸⁸Re

MAT 7534

(n, n') 2α
Cross Section

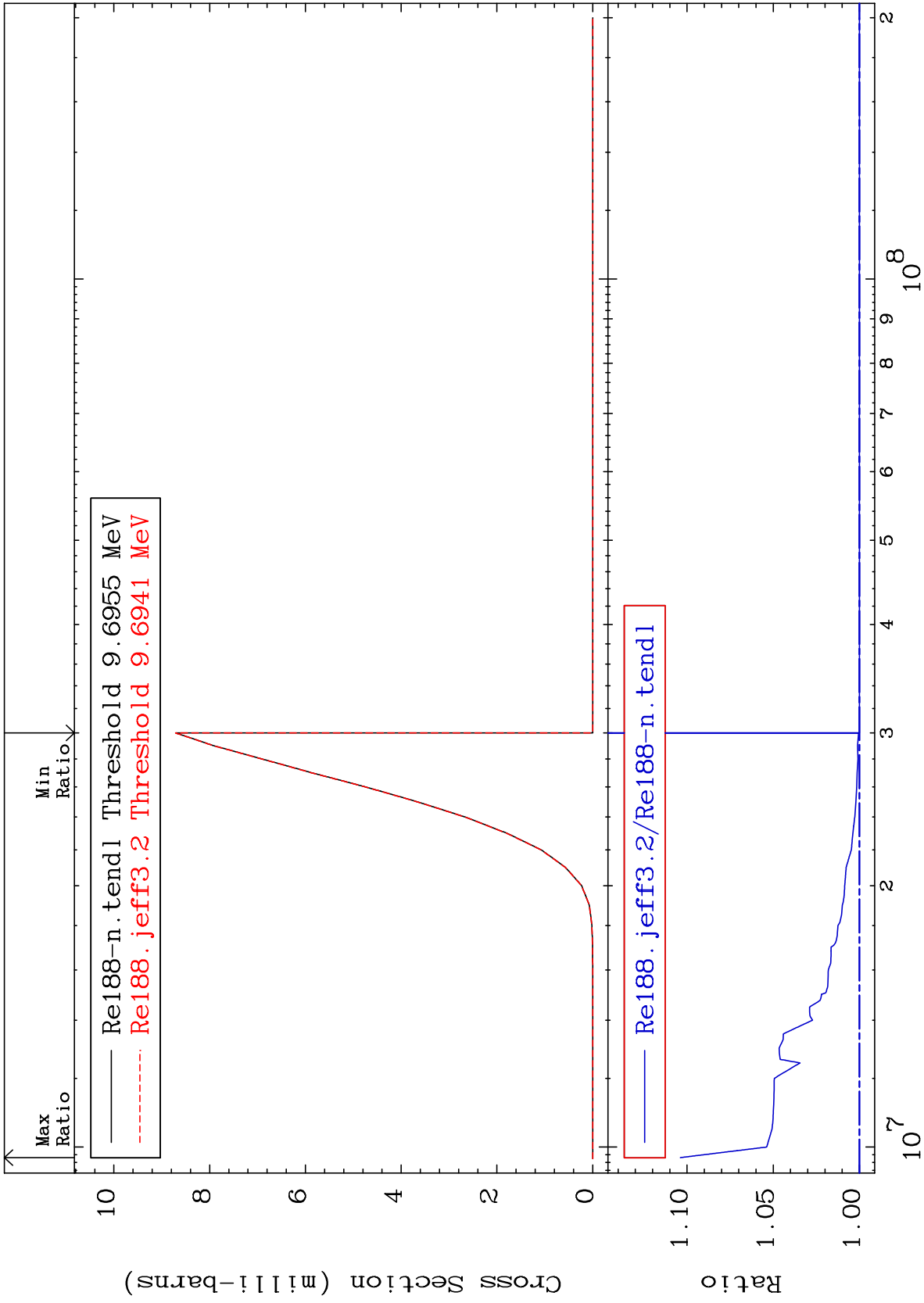
⁷⁵Re-188
-35.19 To 0.000 %



MAT 7534

(n,n') d
Cross Section

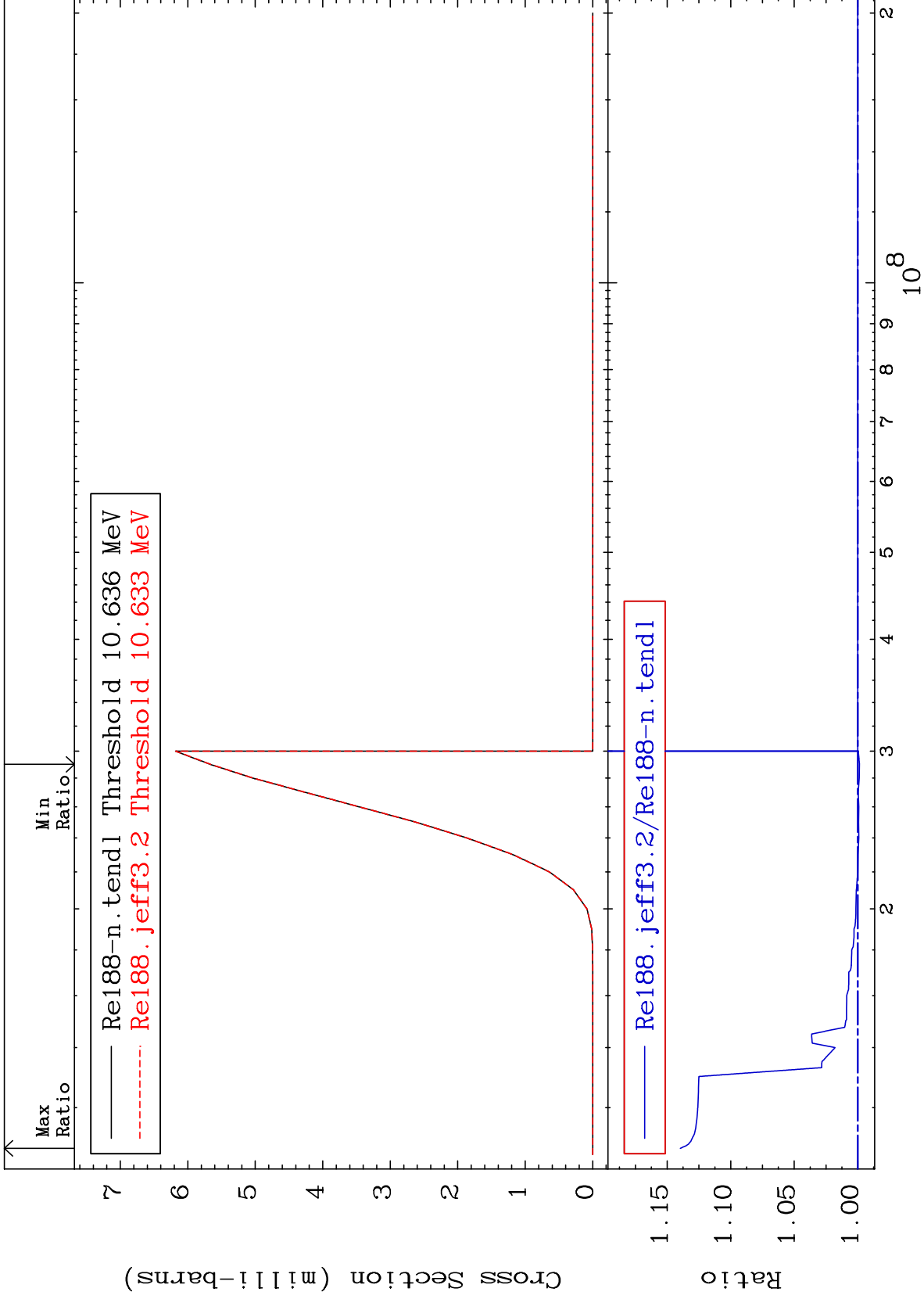
⁷⁵Re-¹⁸⁸Re
To 10.39 %



12

Incident Energy (eV)

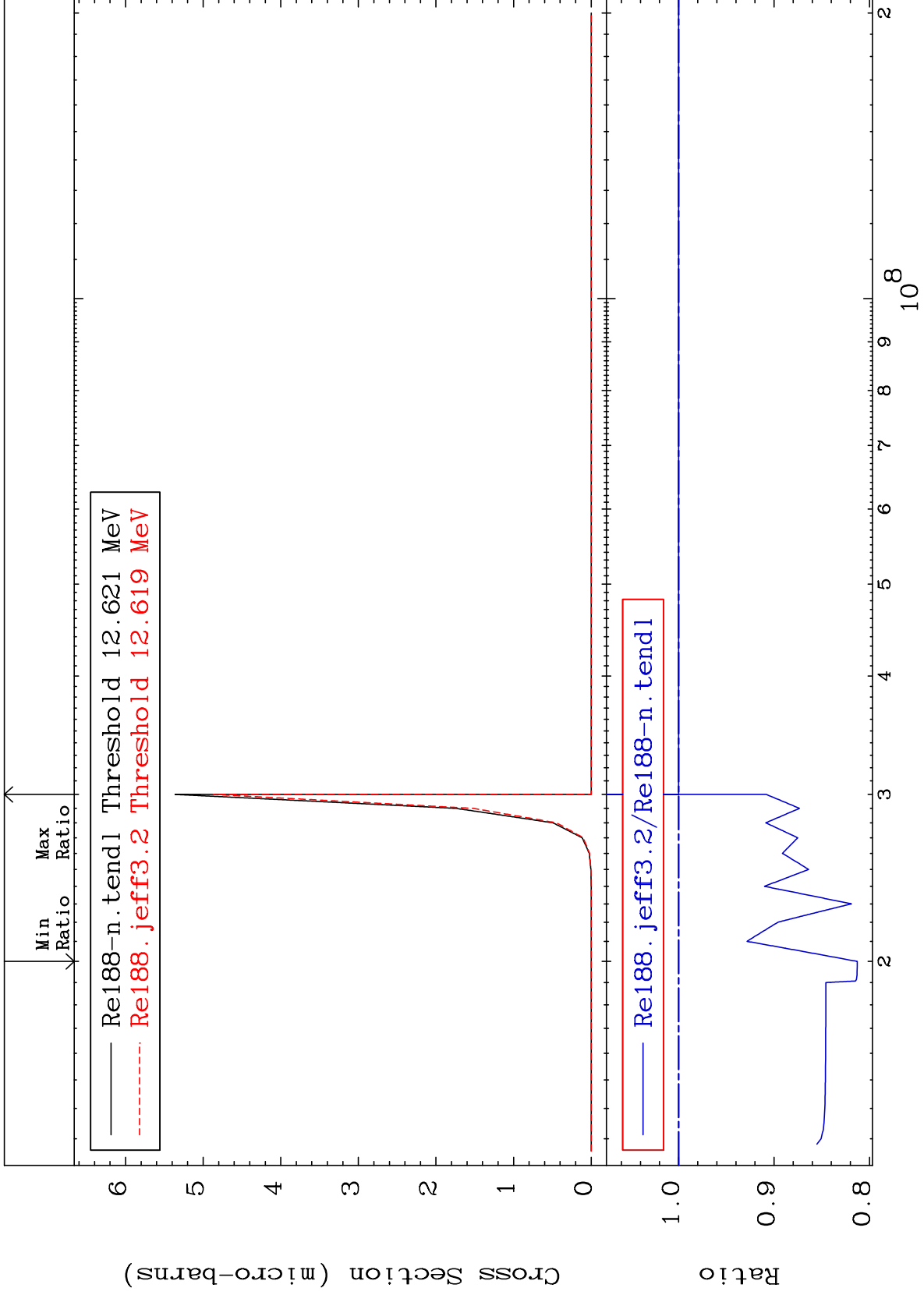
⁷⁵Re-¹⁸⁸Re



MAT 7534

(n, n') He-3
Cross Section

⁷⁵Re-¹⁸⁸Re
-18.72 To 0.000 %



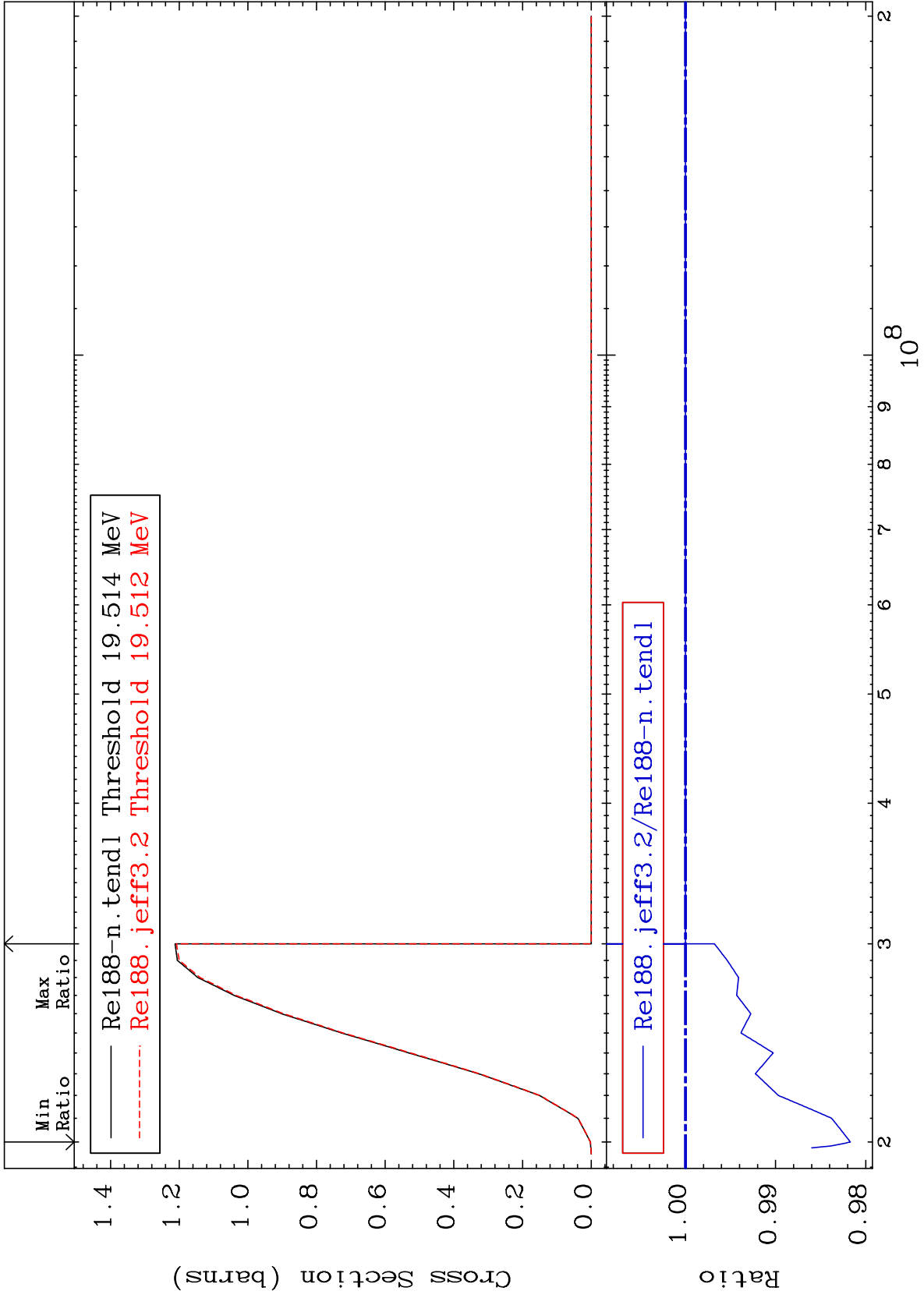
MAT 7534

(n,4n)

⁷⁵Re-¹⁸⁸

Cross Section

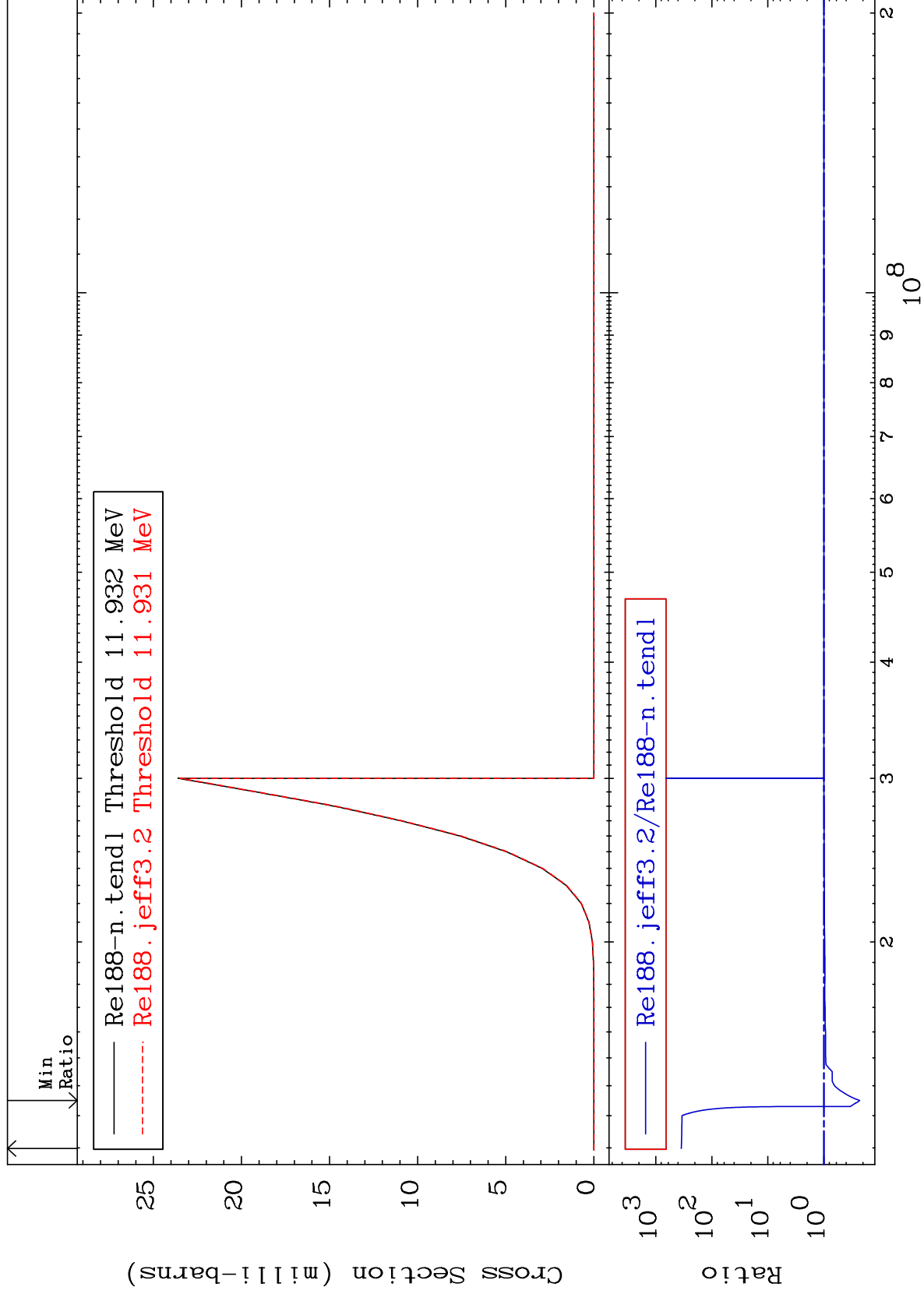
-1.830 To 0.000 %



15

Incident Energy (eV)

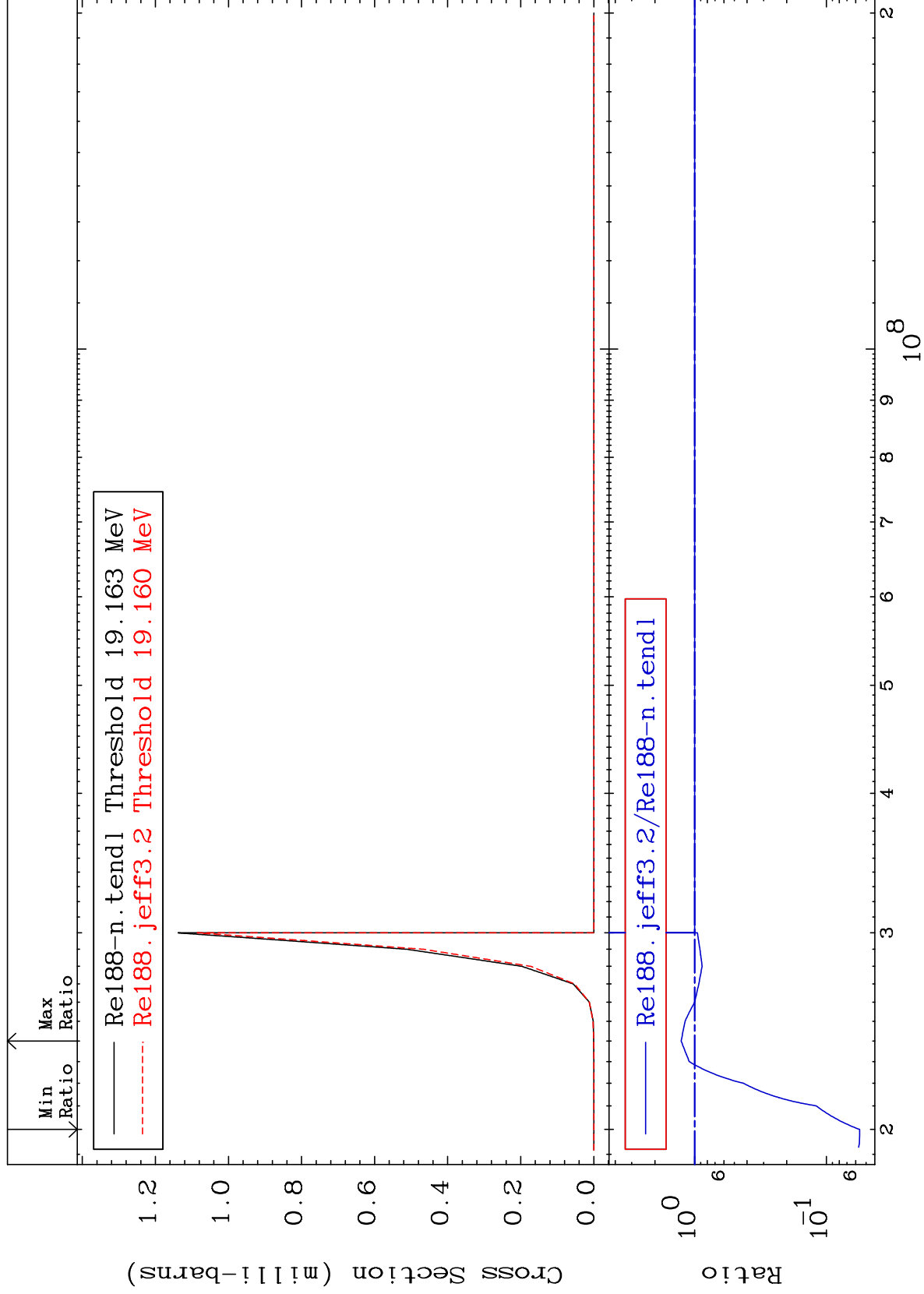
⁷⁵Re-¹⁸⁸



MAT 7534

(n,3n) p
Cross Section

⁷⁵Re-¹⁸⁸Re
-94.40 To 26.47 %



17

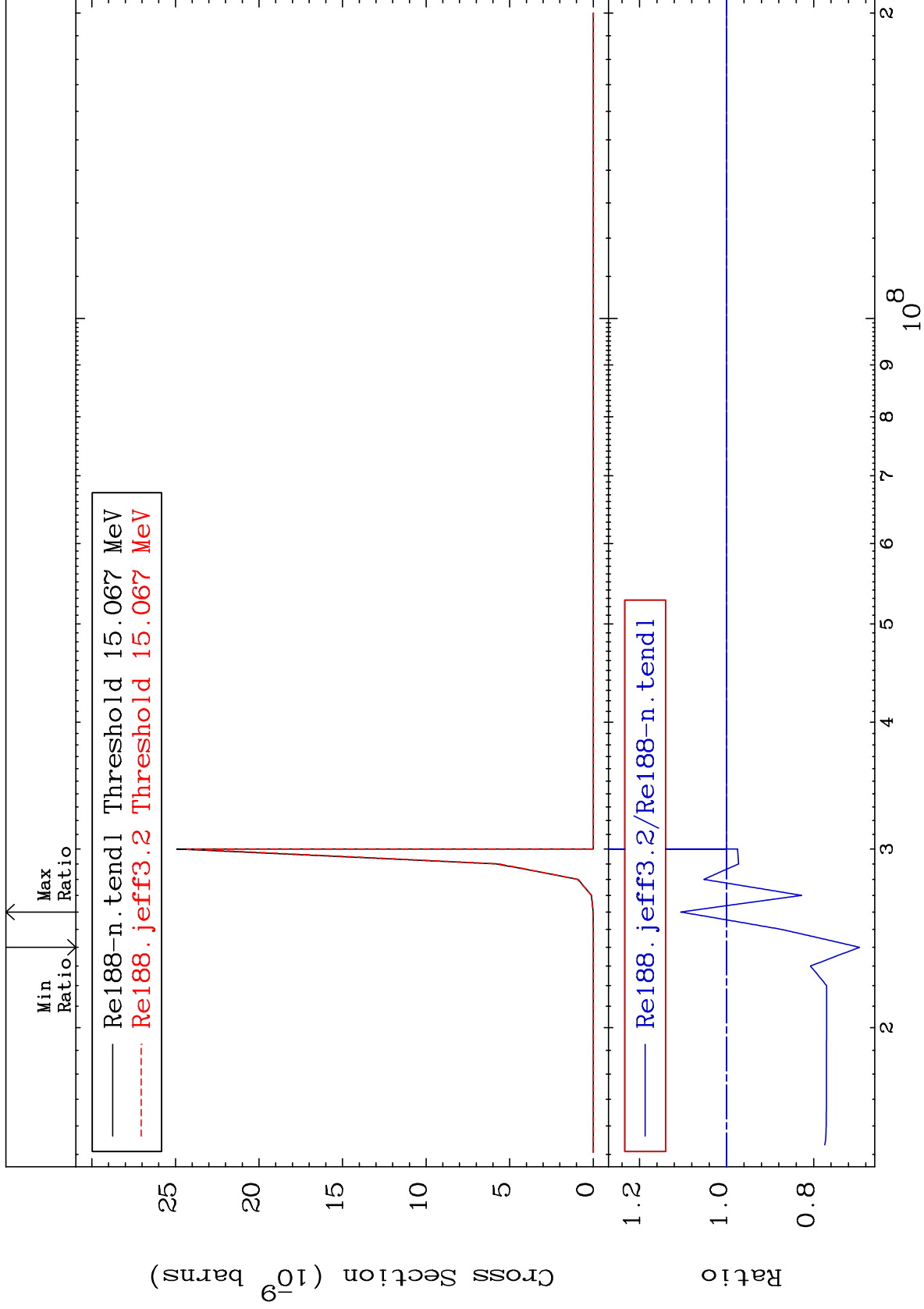
Incident Energy (eV)

⁷⁵Re-¹⁸⁸Re

MAT 7534

(n,2n) p
Cross Section

⁷⁵Re-¹⁸⁸Re
-30.54 To 10.52 %



18

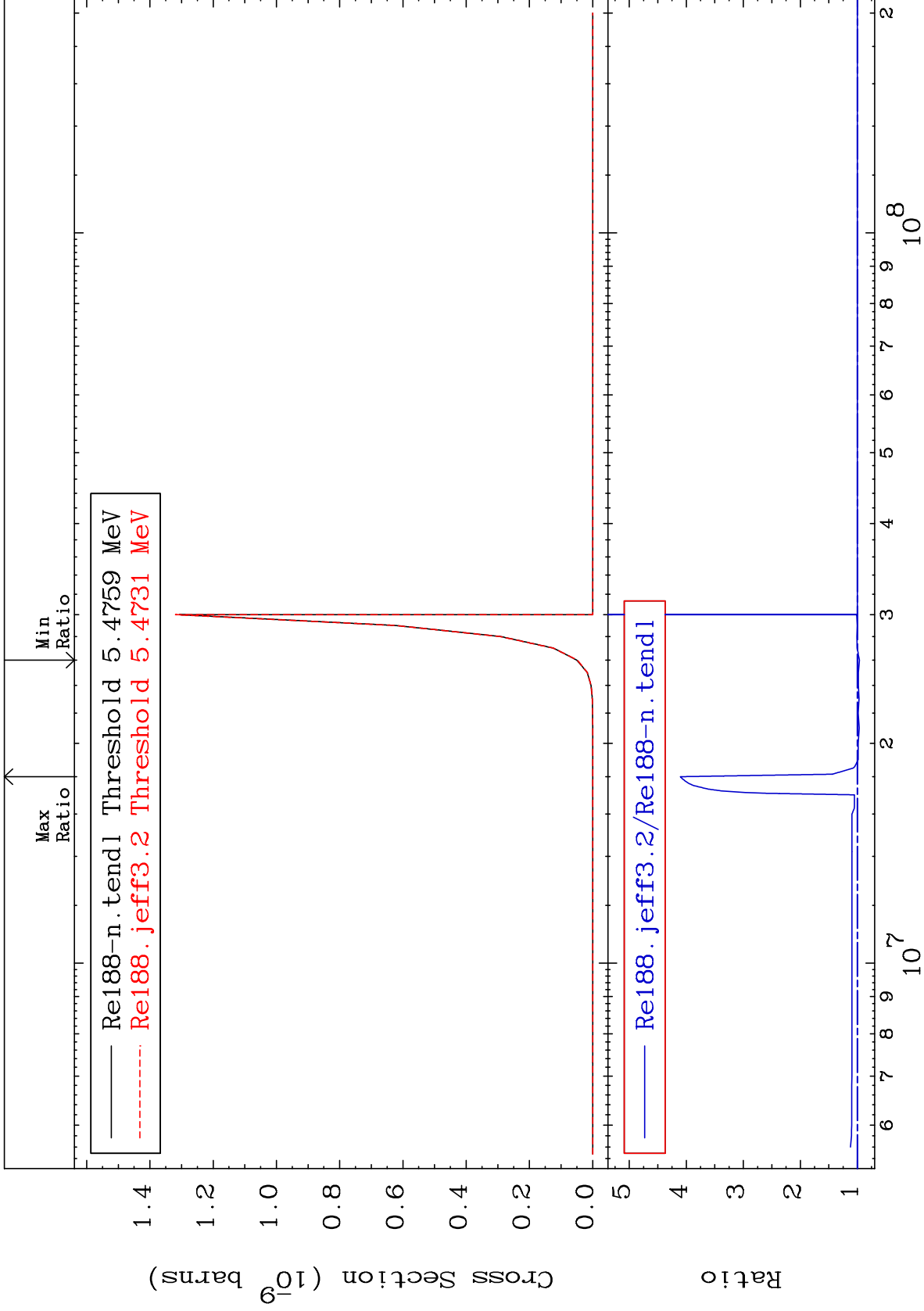
Incident Energy (eV)

⁷⁵Re-¹⁸⁸Re

MAT 7534

(n,n') p α
Cross Section

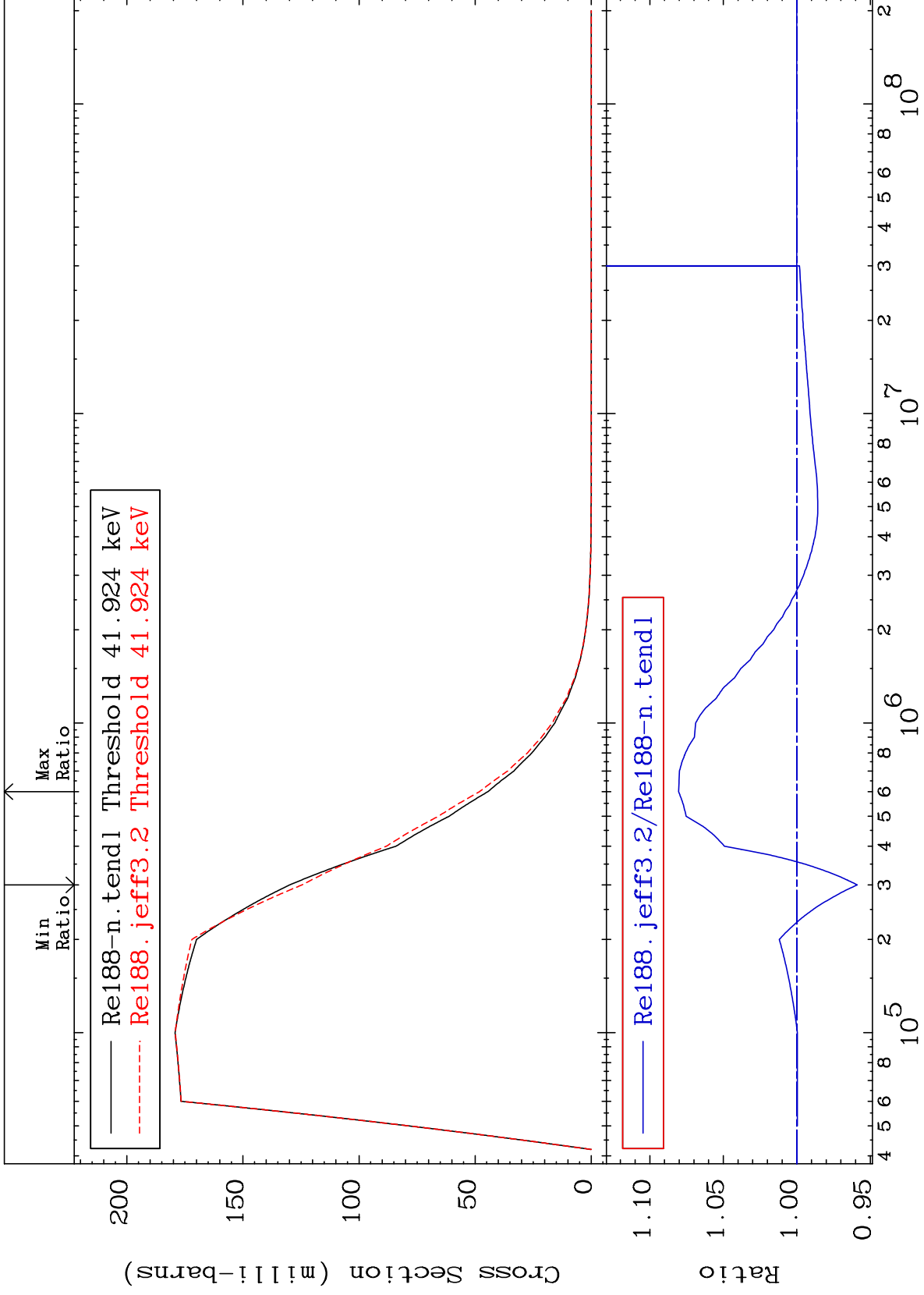
⁷⁵Re-¹⁸⁸Re
-3.648 To 310.4 %



MAT 7534

41.70 keV (n,n') Level
Cross Section

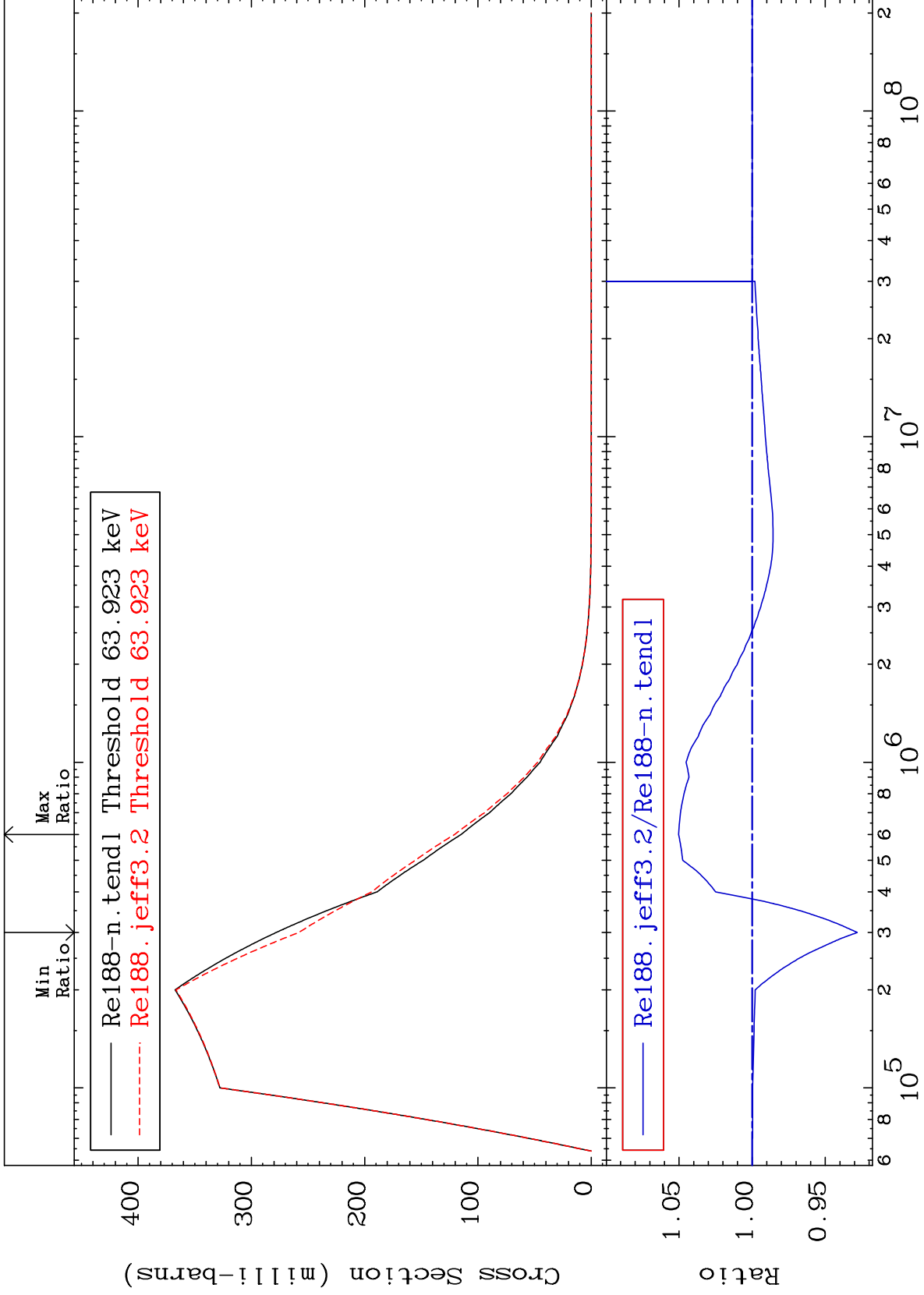
75-Re-188
-4.111 To 8.042 %



MAT 7534

63.58 keV (n,n') Level
Cross Section

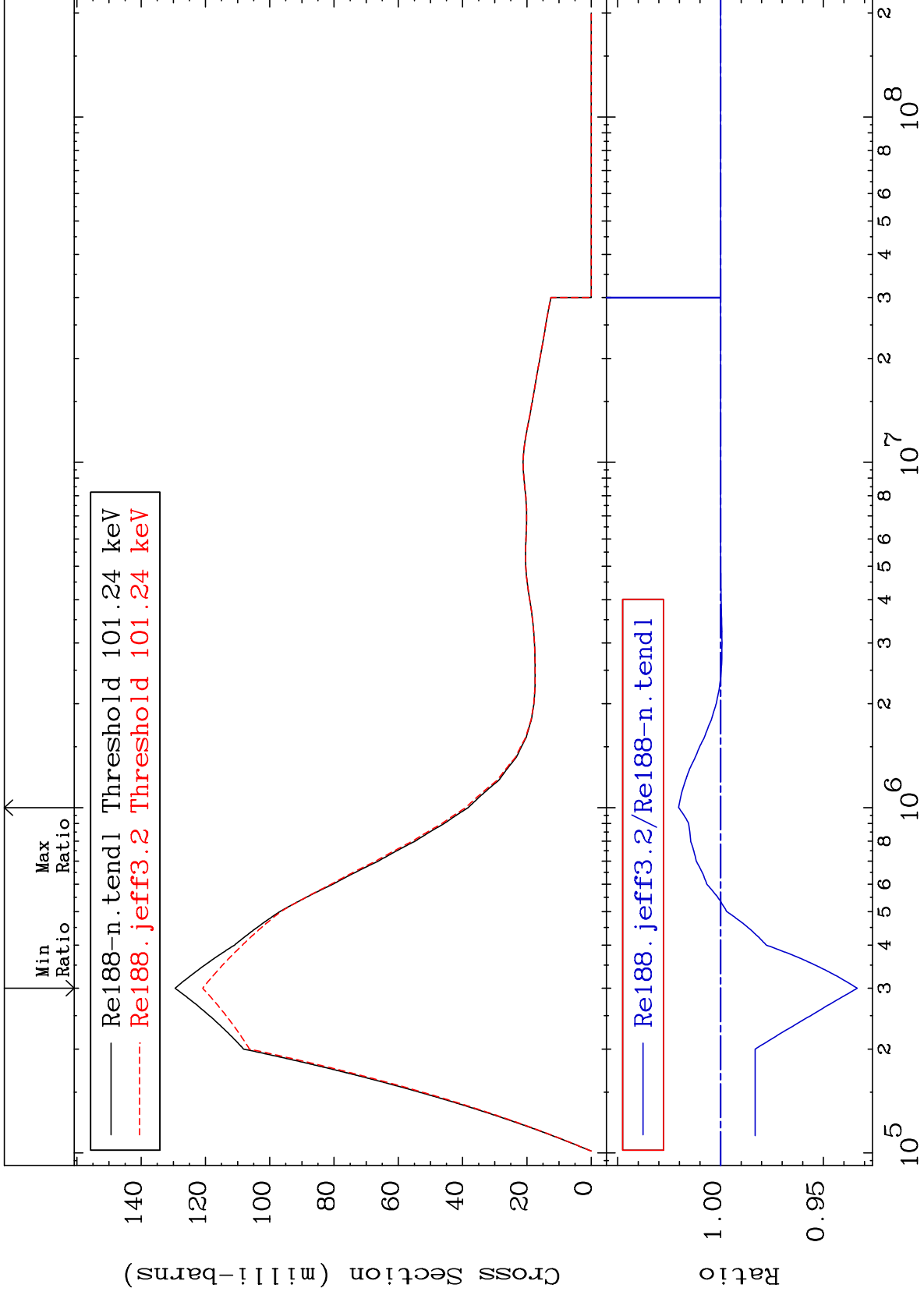
75-Re-188
-7.185 To 5.029 %



MAT 7534

100.7 keV (n,n') Level
Cross Section

75-Re-188
-6.646 To 2.036 %



22

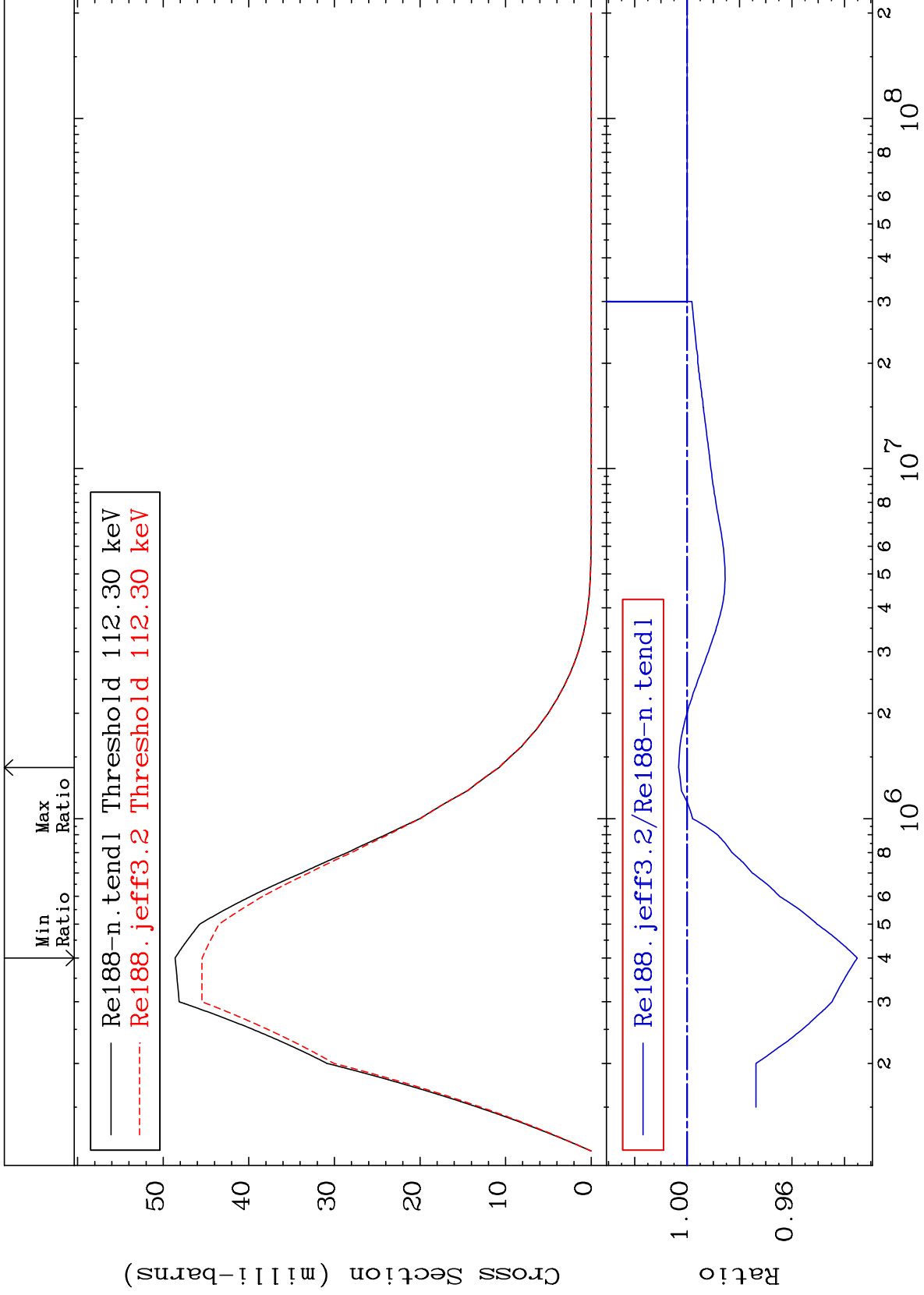
Incident Energy (eV)

75-Re-188

MAT 7534

111.7 keV (n,n') Level
Cross Section

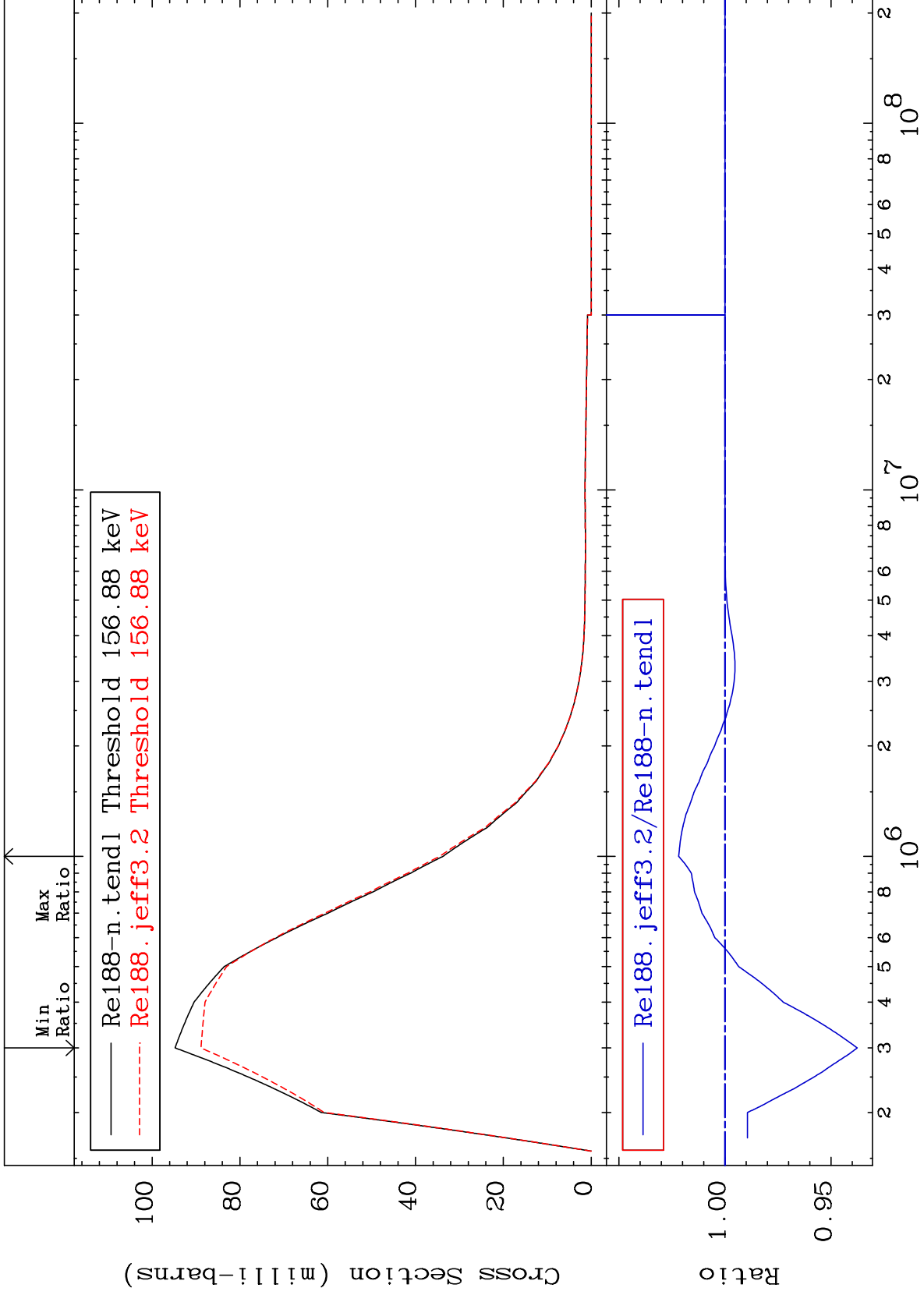
75-Re-188
-6.488 To 0.324 %



MAT 7534

156.0 keV (n,n') Level
Cross Section

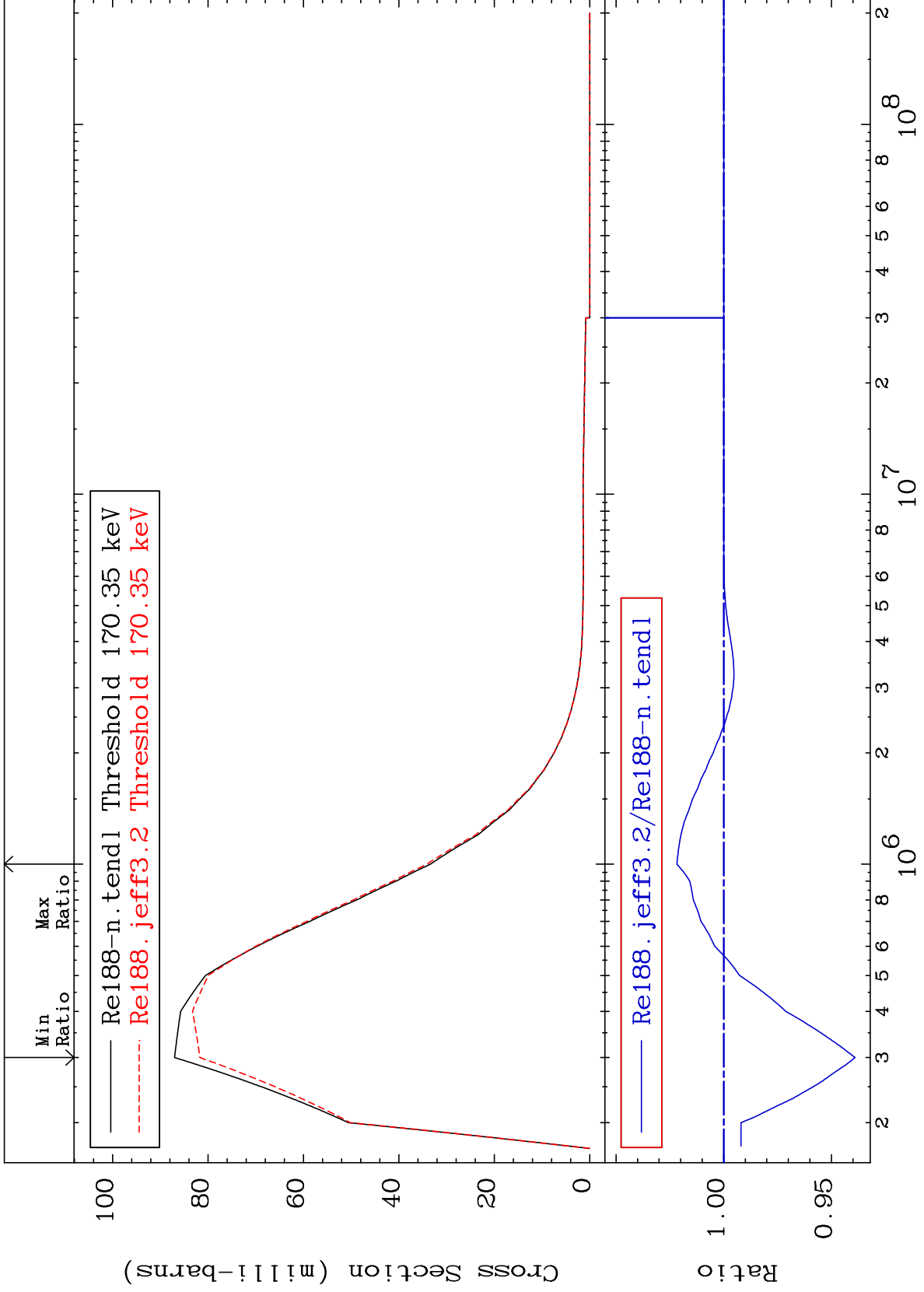
75-Re-188
-6.231 To 2.182 %



MAT 7534

169.4 keV (n,n') Level
Cross Section

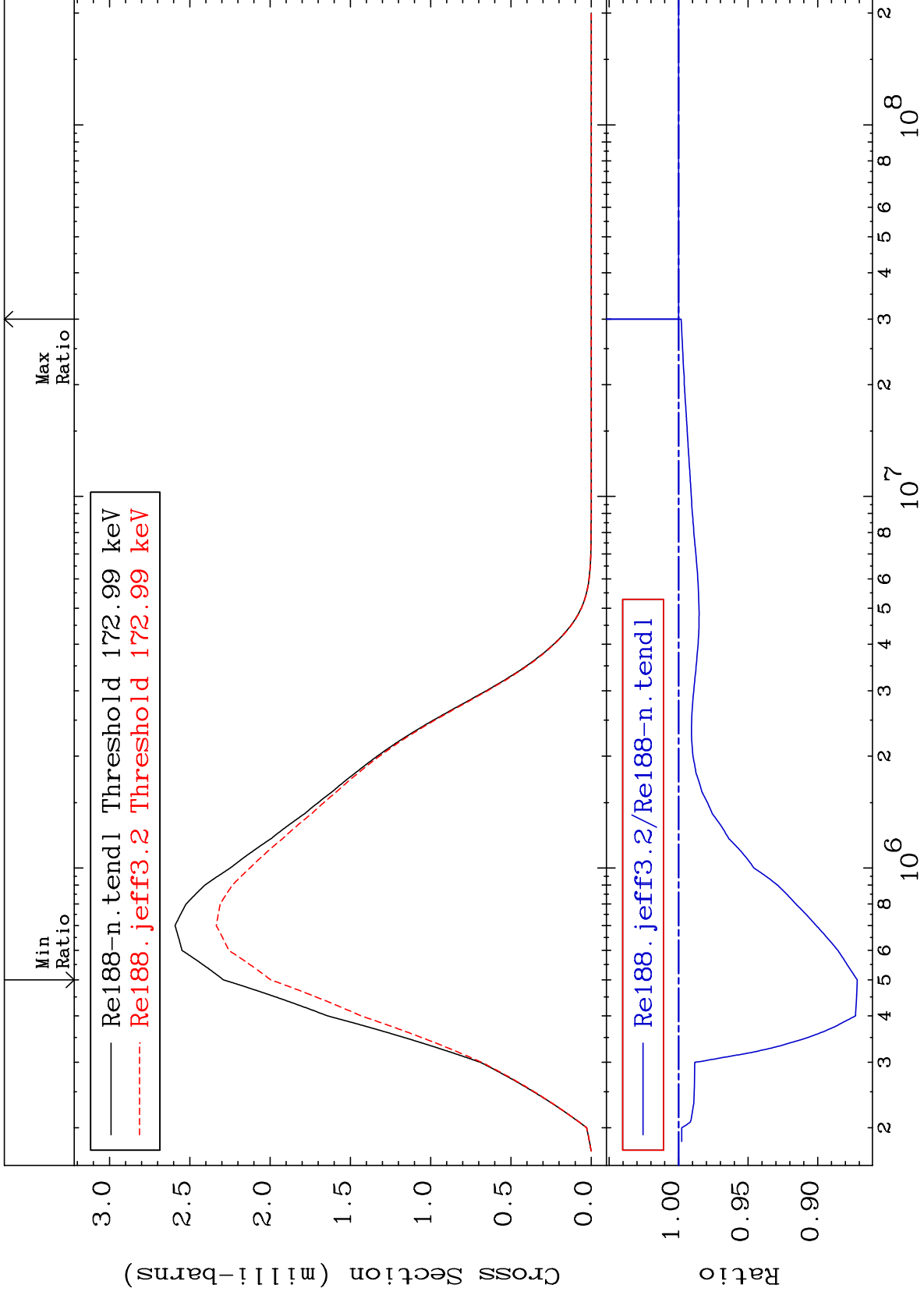
75-Re-188
-6.100 To 2.174 %



MAT 7534

172.1 keV (n,n') Level
Cross Section

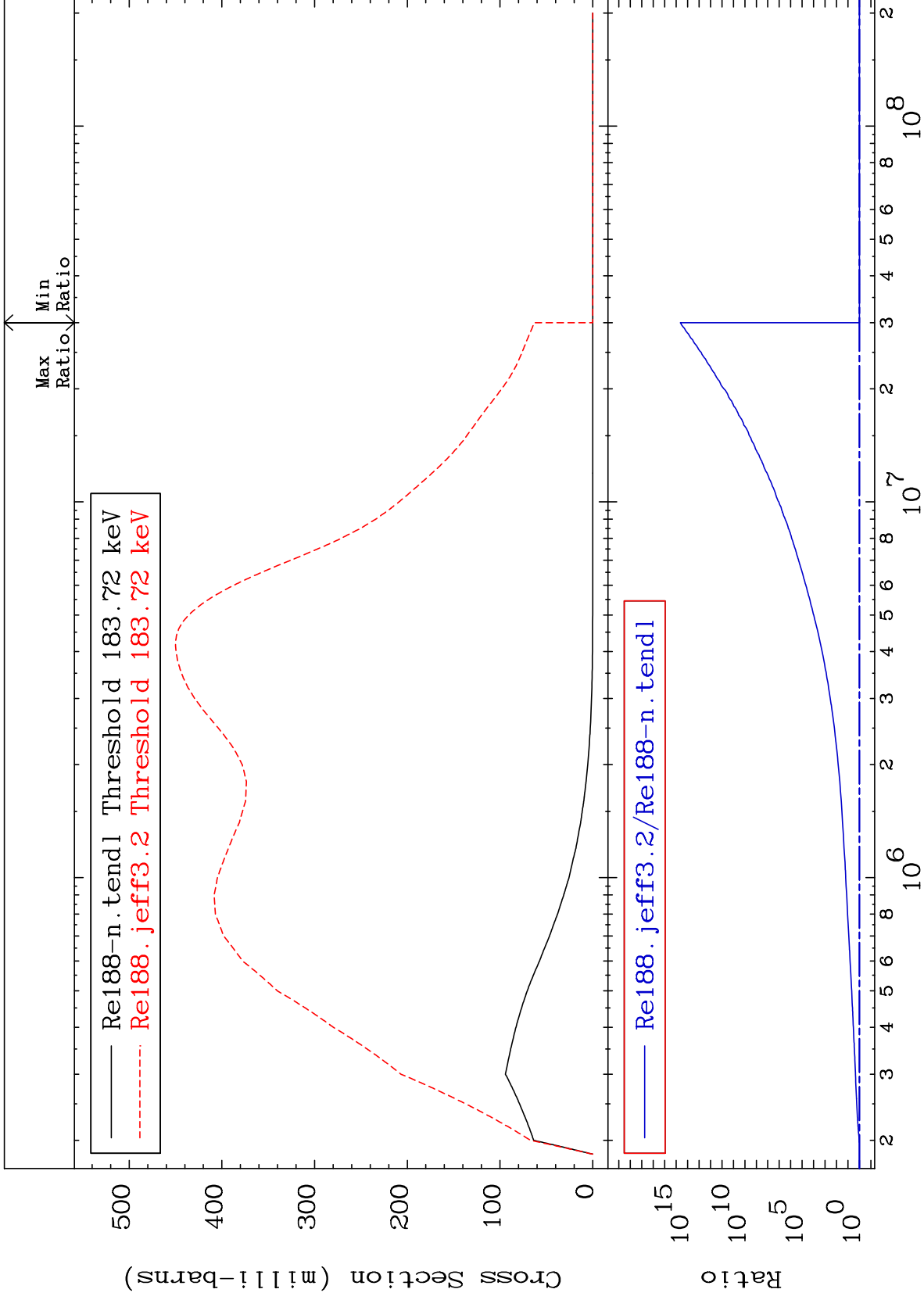
75-Re-188
-12.85 To 0.000 %



MAT 7534

182.7 keV (n,n') Level
Cross Section

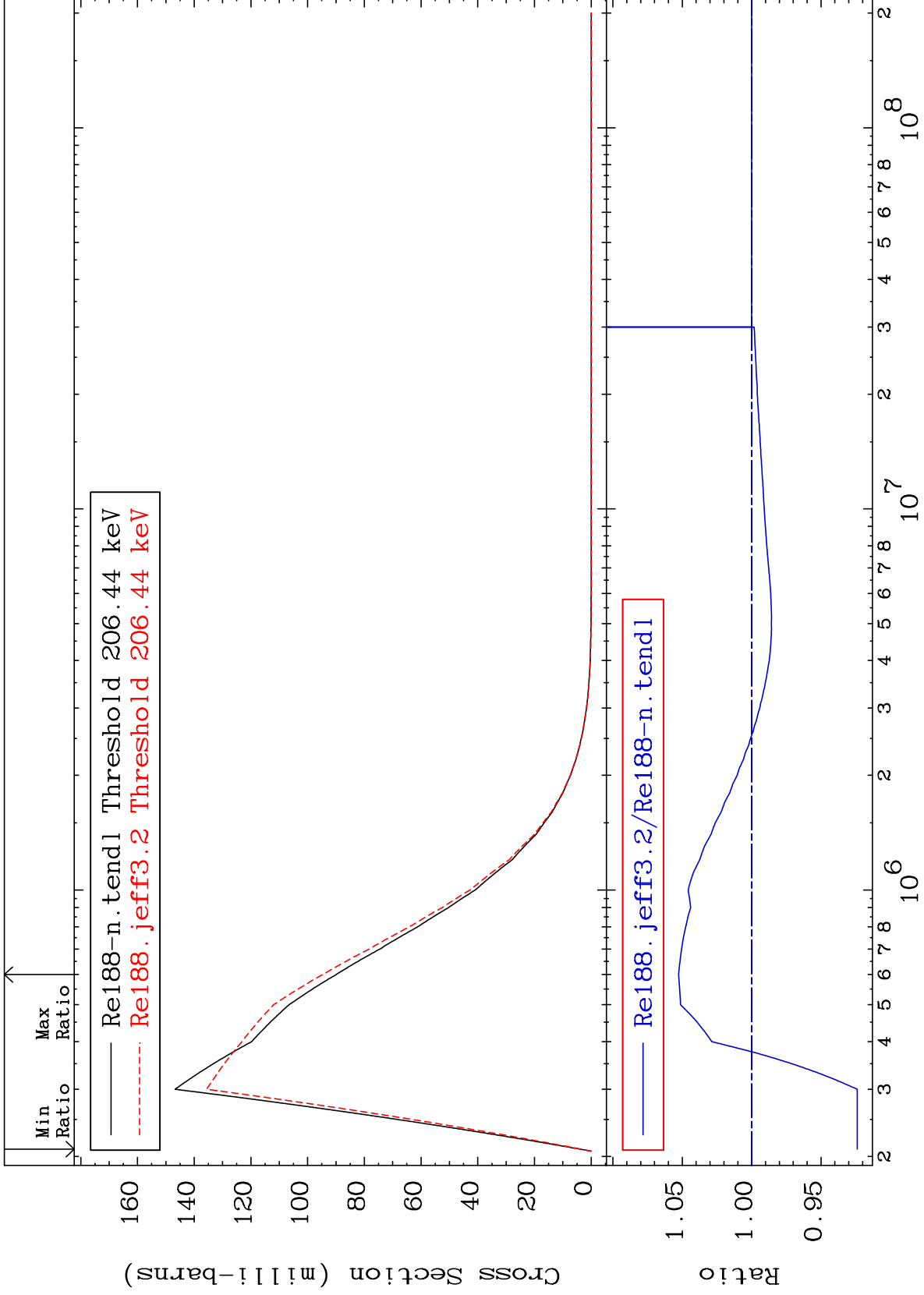
75-Re-188
To 9999. %



MAT 7534

205.3 keV (n,n') Level
Cross Section

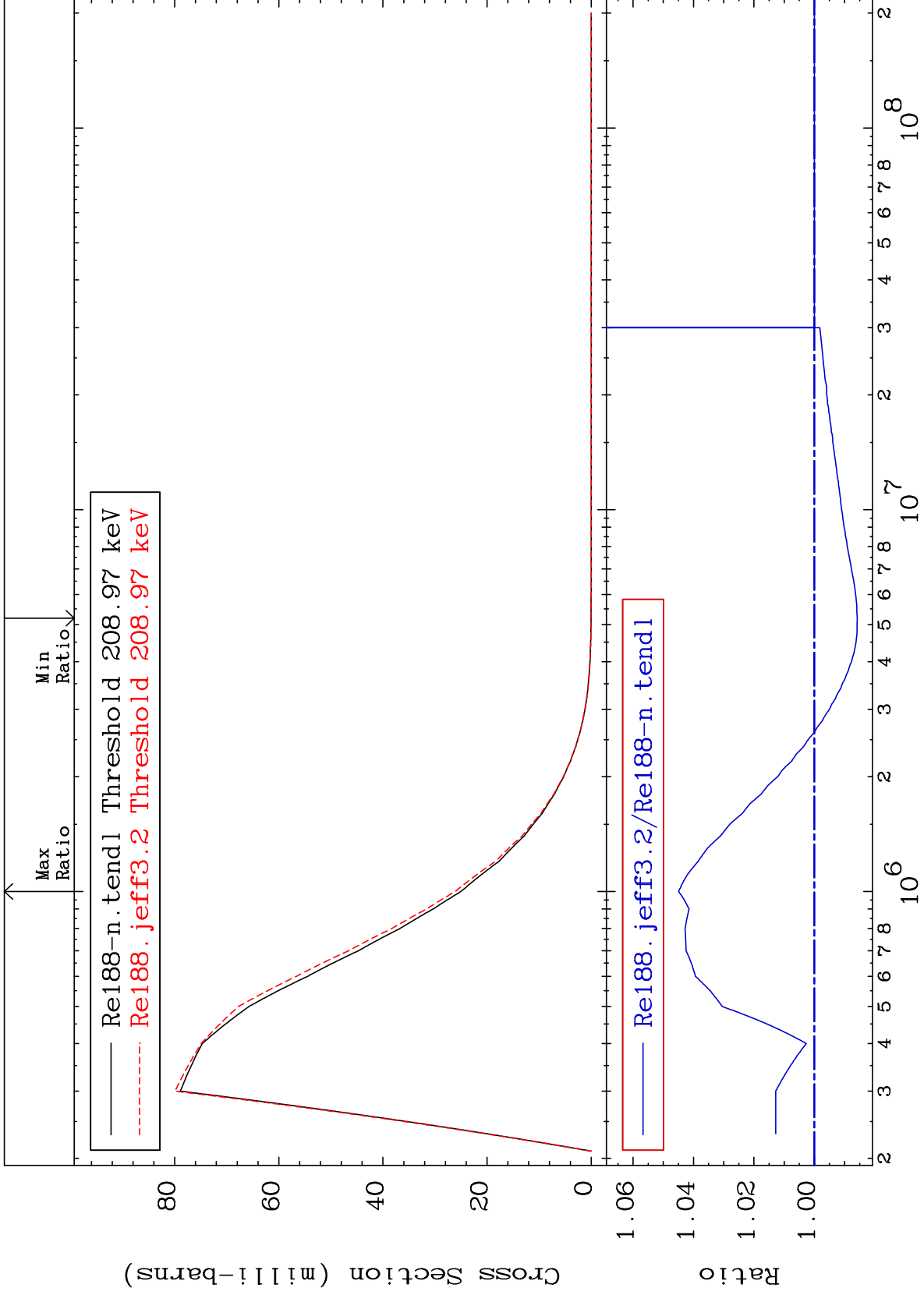
75-Re-188
-7.614 To 5.263 %



MAT 7534

207.9 keV (n,n') Level
Cross Section

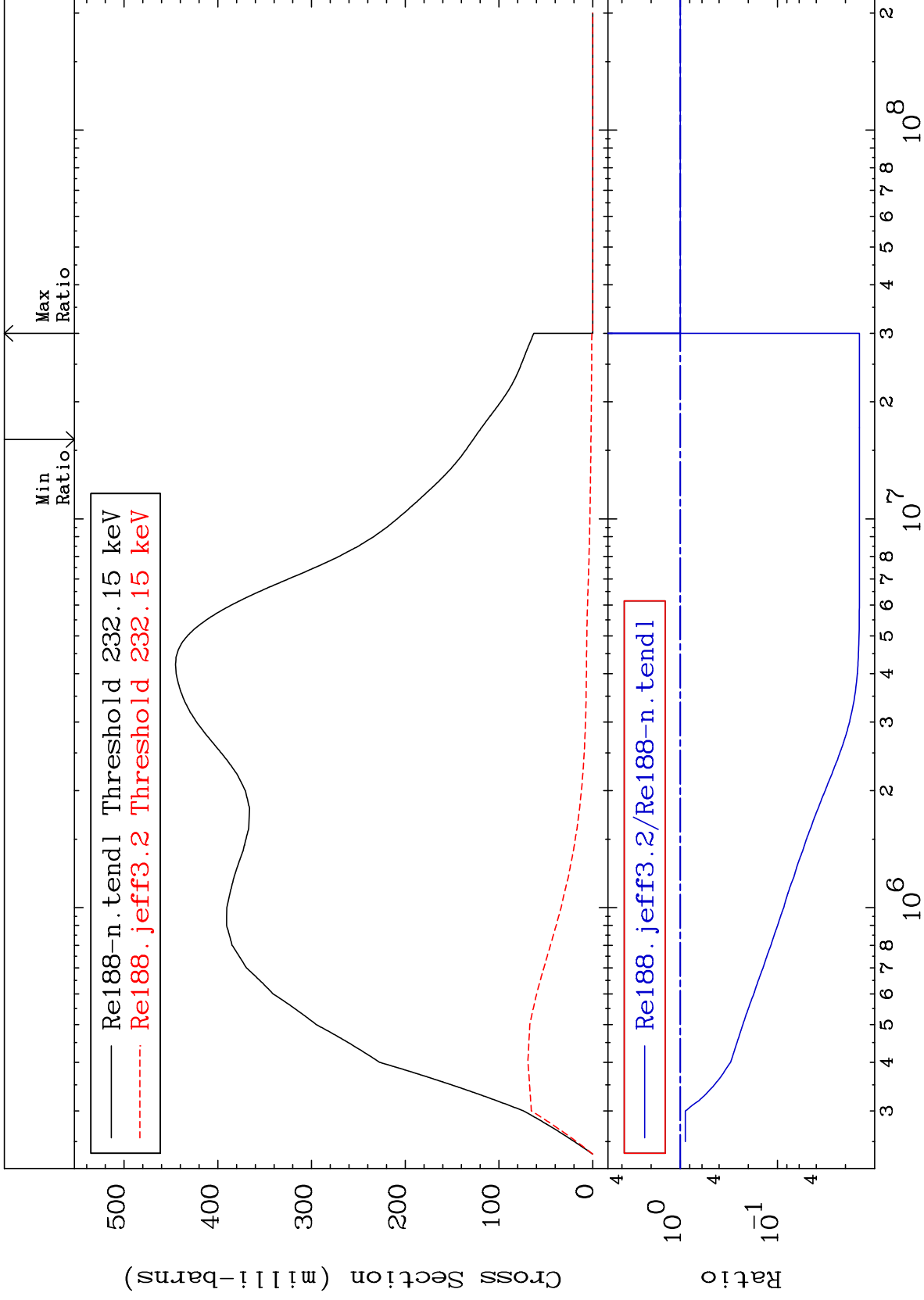
75-Re-188
-1.420 To 4.492 %



MAT 7534

230.9 keV (n,n') Level
Cross Section

⁷⁵Re-¹⁸⁸Re
-98.56 To 0.000 %



30

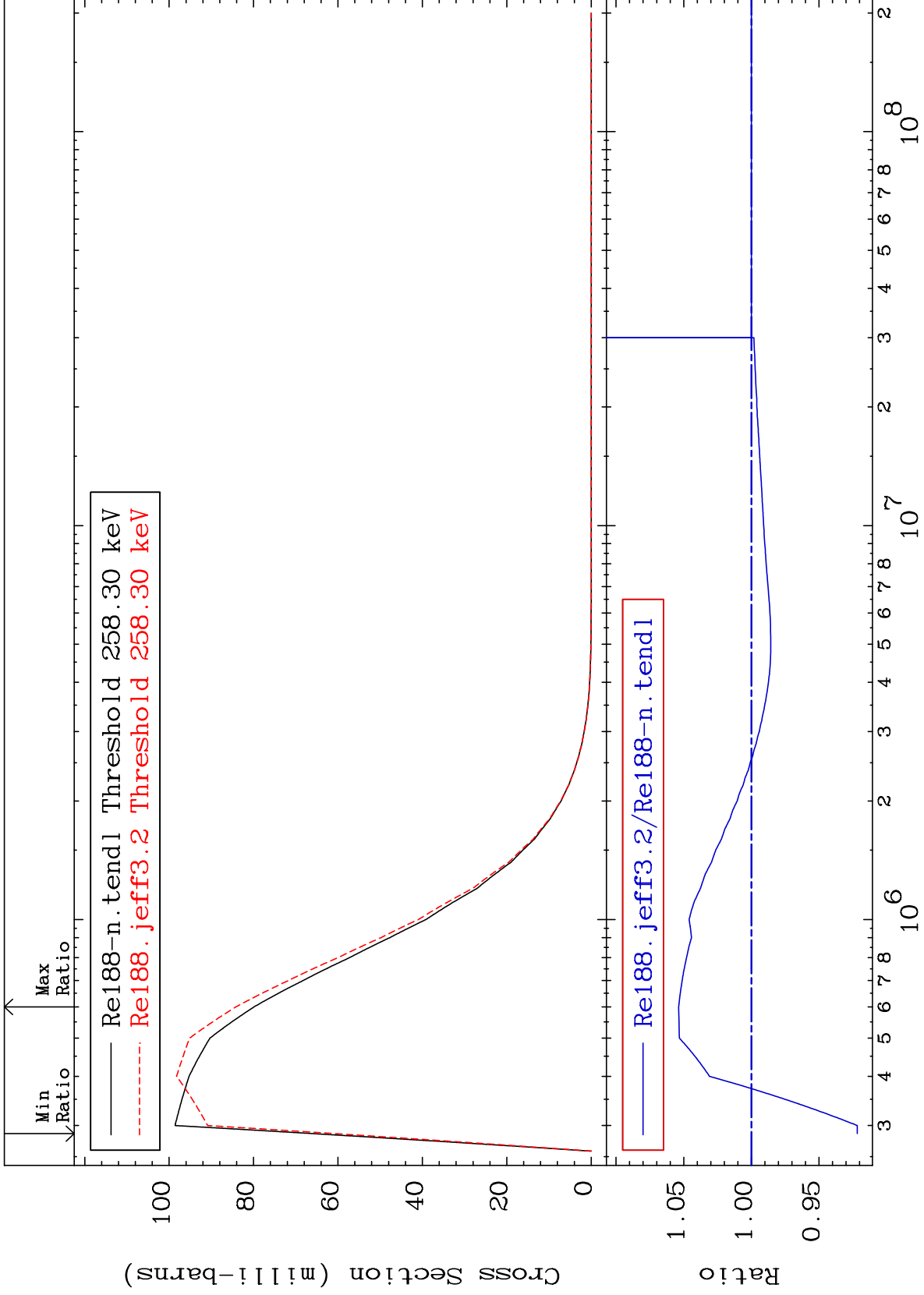
Incident Energy (eV)

⁷⁵Re-¹⁸⁸Re

MAT 7534

256.9 keV (n,n') Level
Cross Section

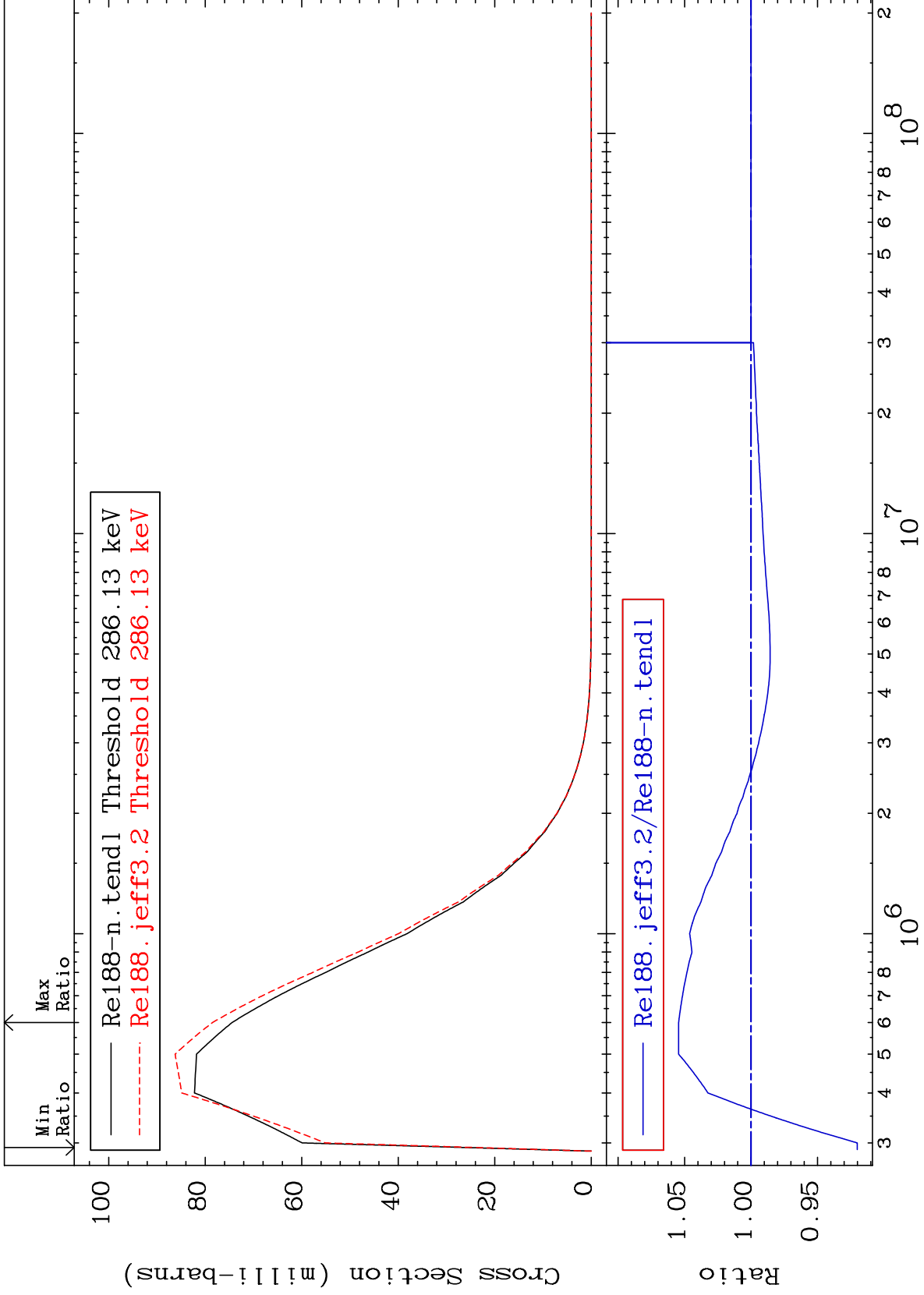
75-Re-188
-7.824 To 5.376 %



MAT 7534

284.6 keV (n,n') Level
Cross Section

75-Re-188
-7.982 To 5.444 %



32

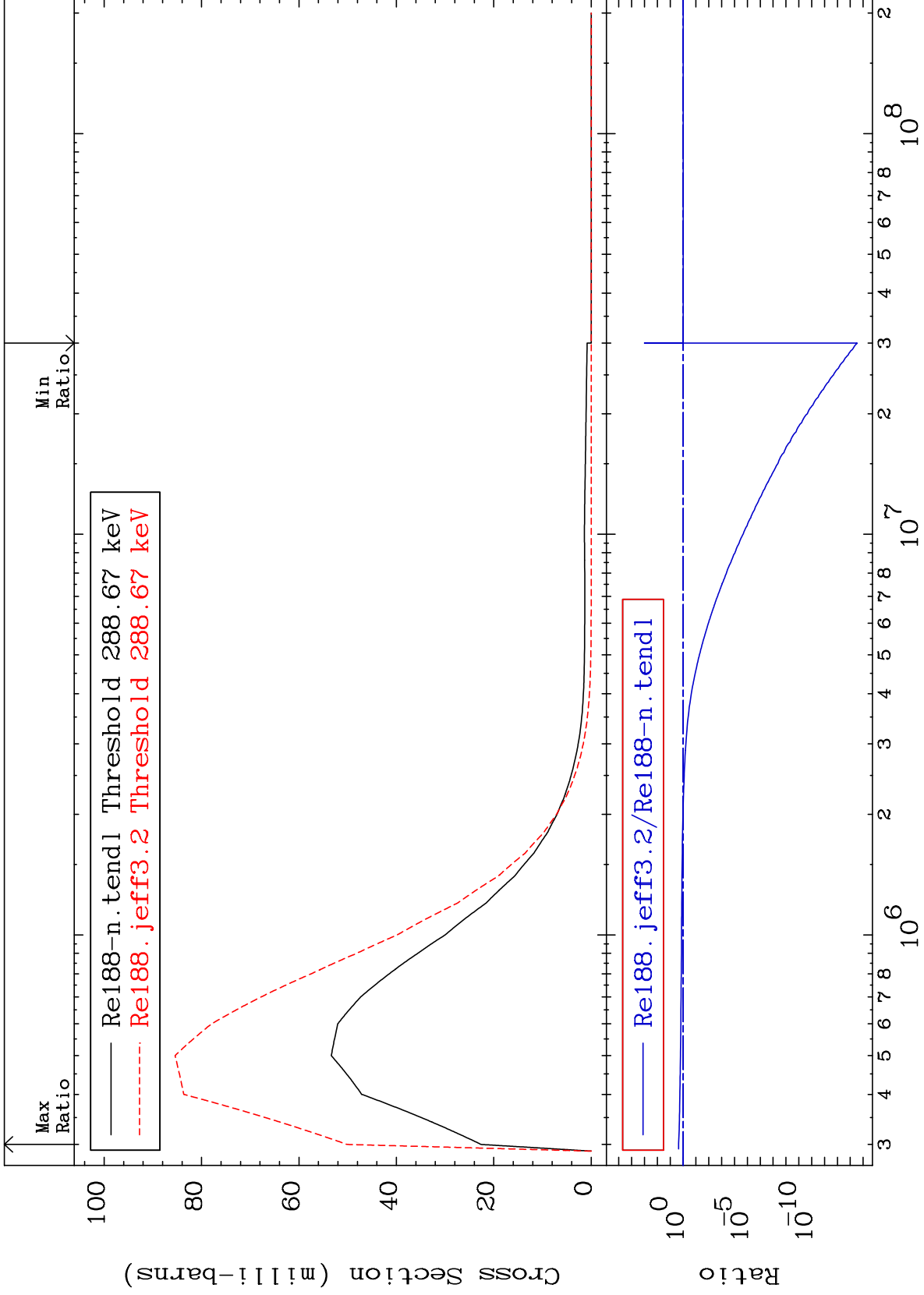
Incident Energy (eV)

75-Re-188

MAT 7534

287.1 keV (n,n') Level
Cross Section

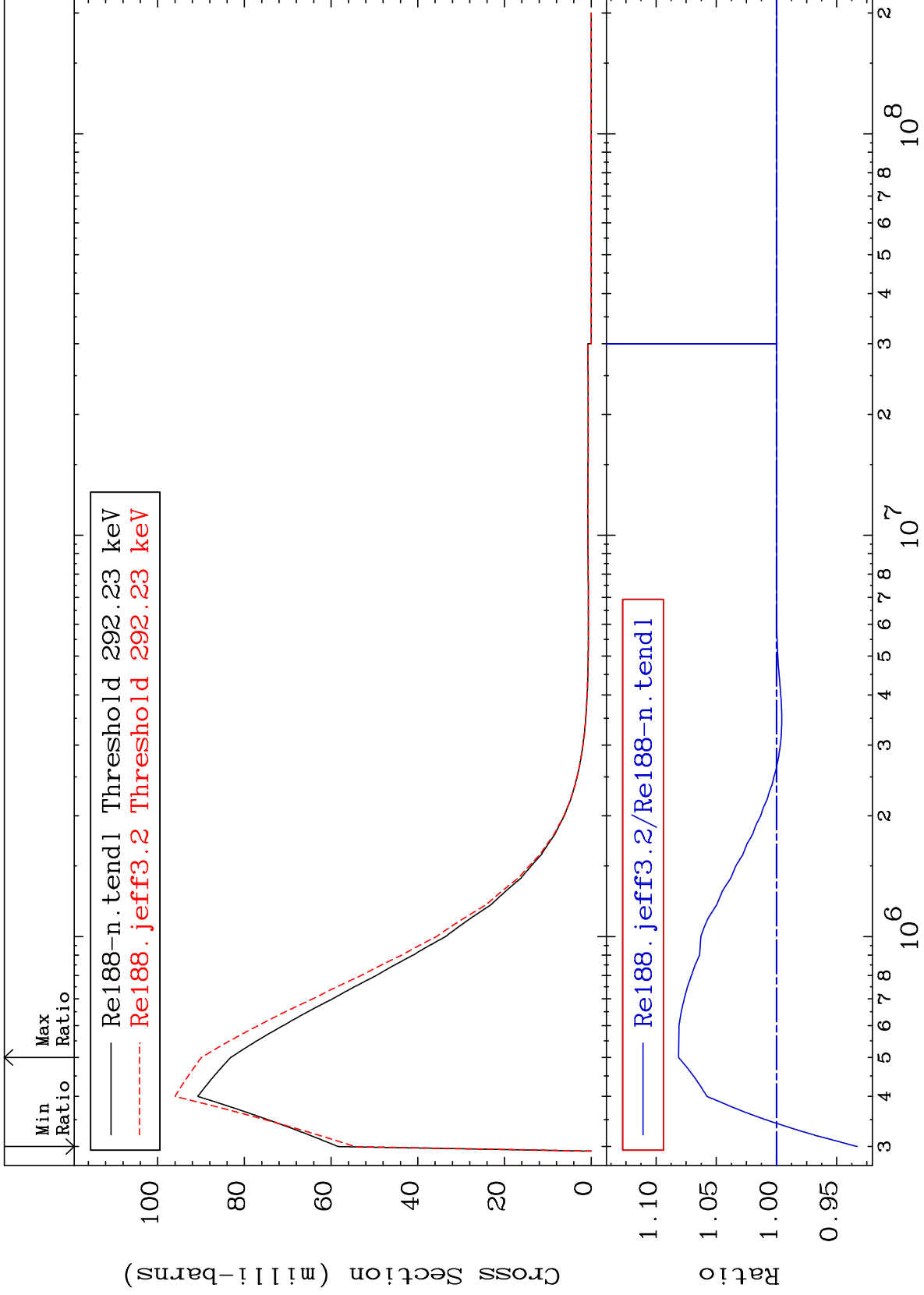
⁷⁵Re-¹⁸⁸Re
-100.0 To 121.6 %



MAT 7534

290.7 keV (n,n') Level
Cross Section

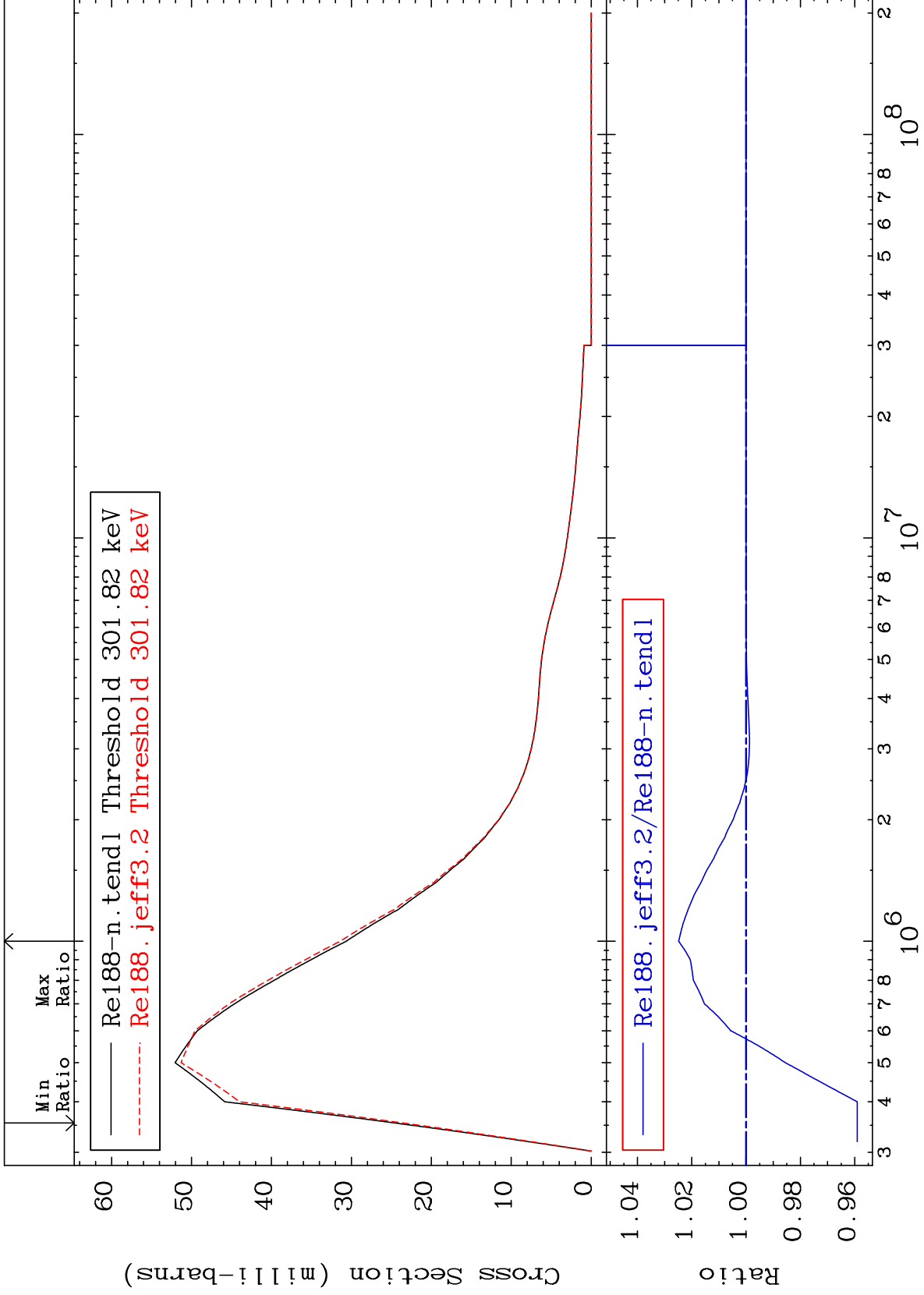
75-Re-188
-6.705 To 8.126 %



MAT 7534

300.2 keV (n,n') Level
Cross Section

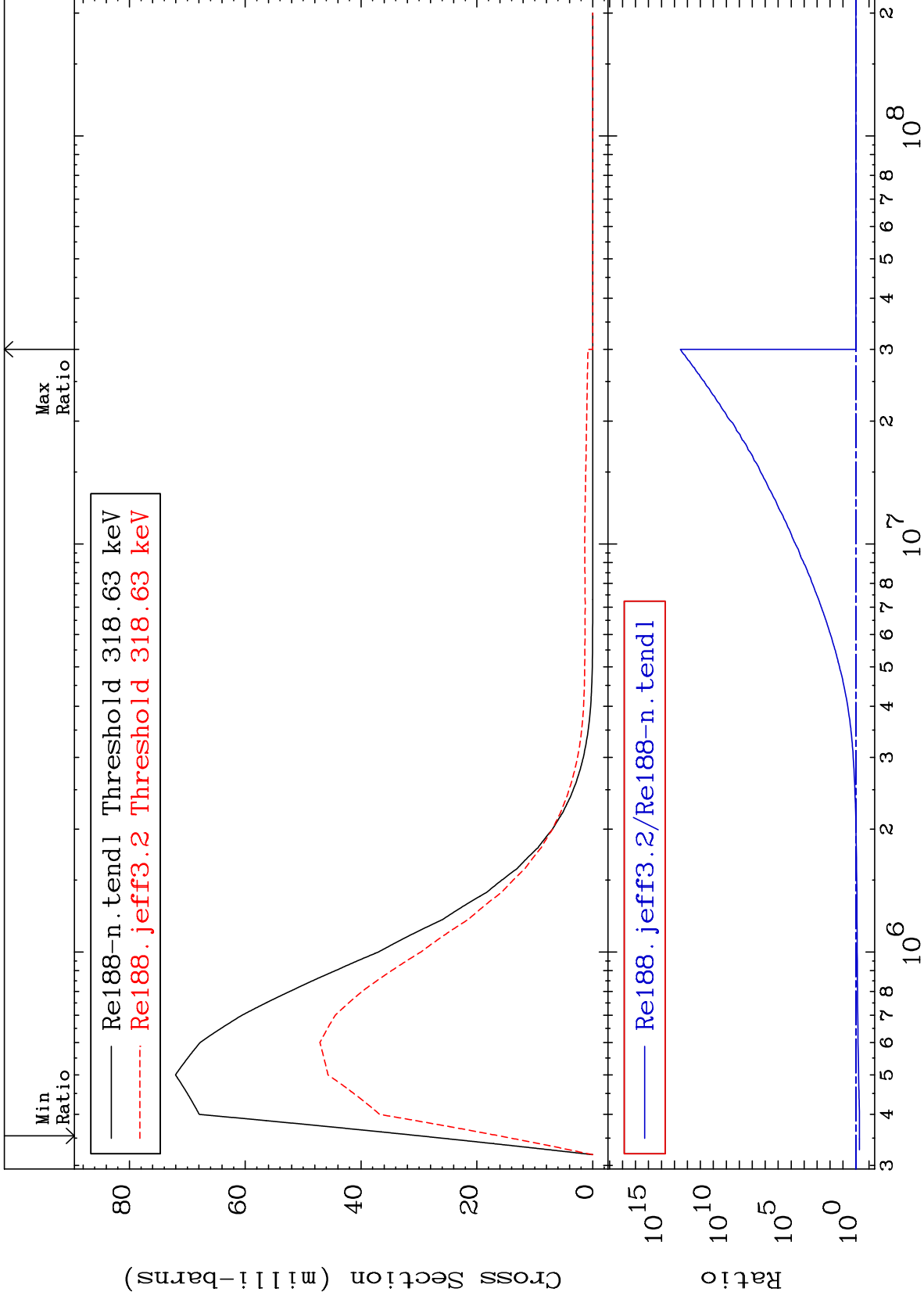
75-Re-188
-4.092 To 2.482 %



MAT 7534

316.9 keV (n,n') Level
Cross Section

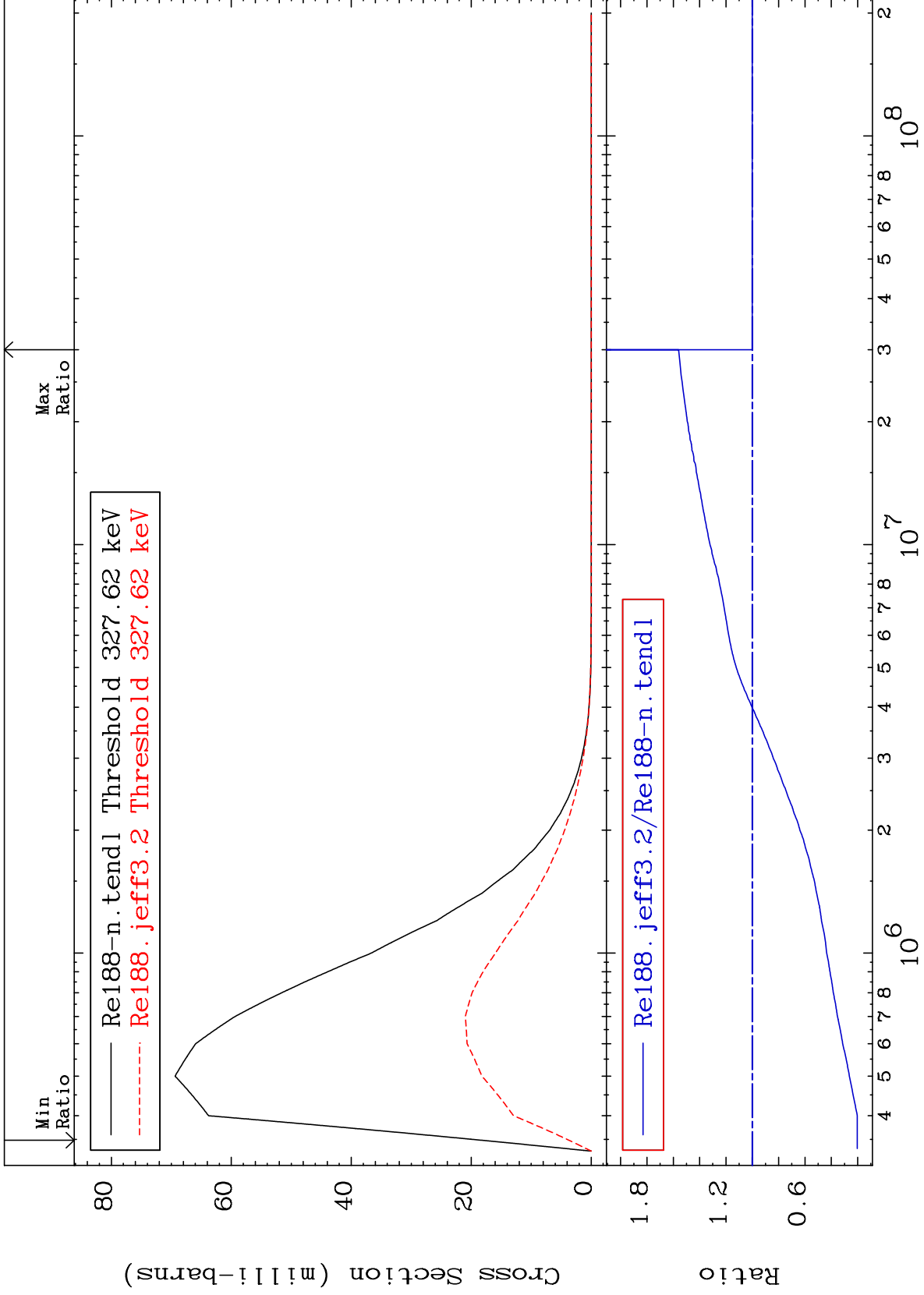
75-Re-188
-45.87 To 9999. %



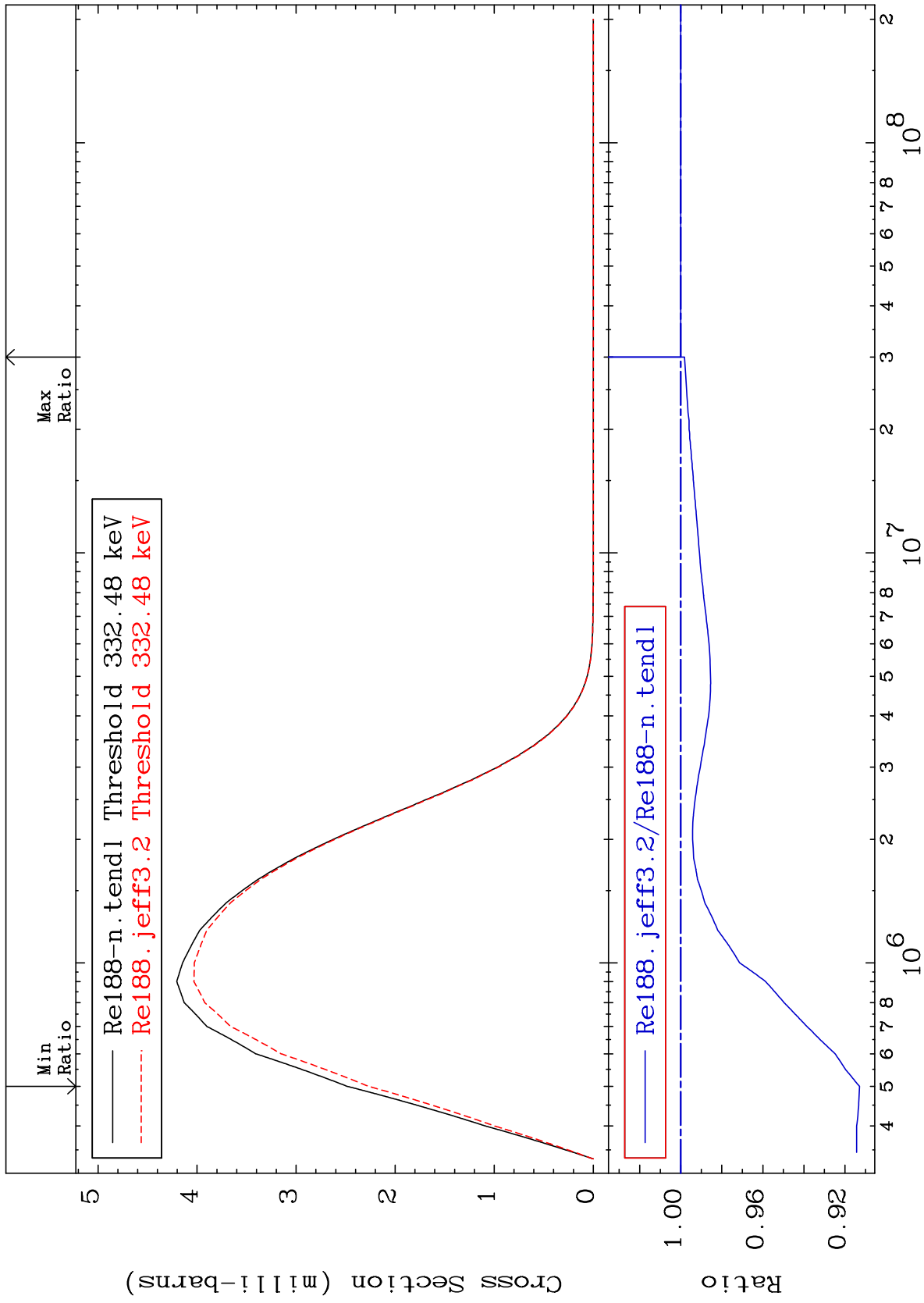
MAT 7534

325.9 keV (n,n') Level
Cross Section

75-Re-188
-79.68 To 55.94 %



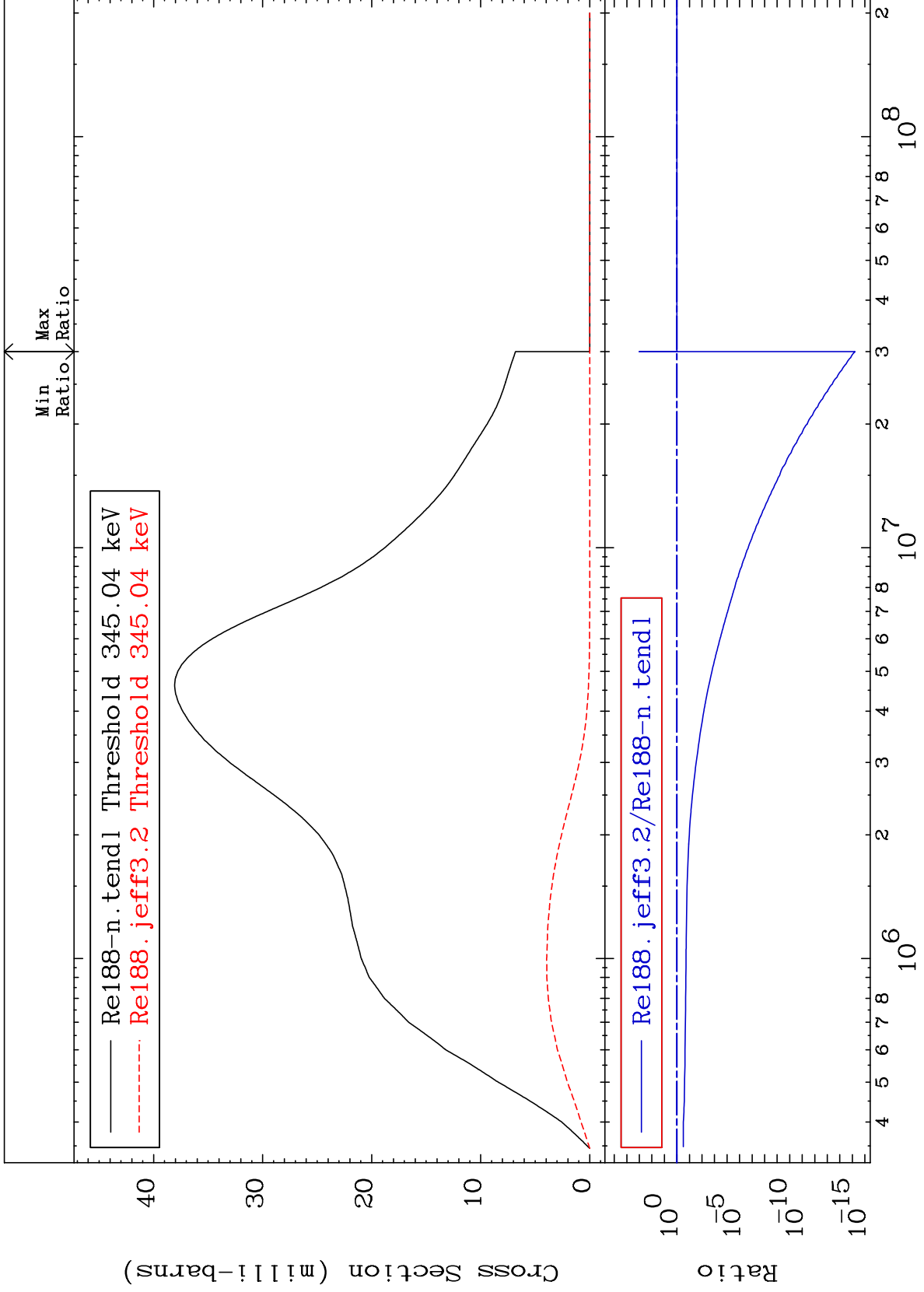
MAT 7534 330.7 keV (n,n') Level 75-Re-188
 Cross Section -8.711 To 0.000 %



MAT 7534

343.2 keV (n,n') Level
Cross Section

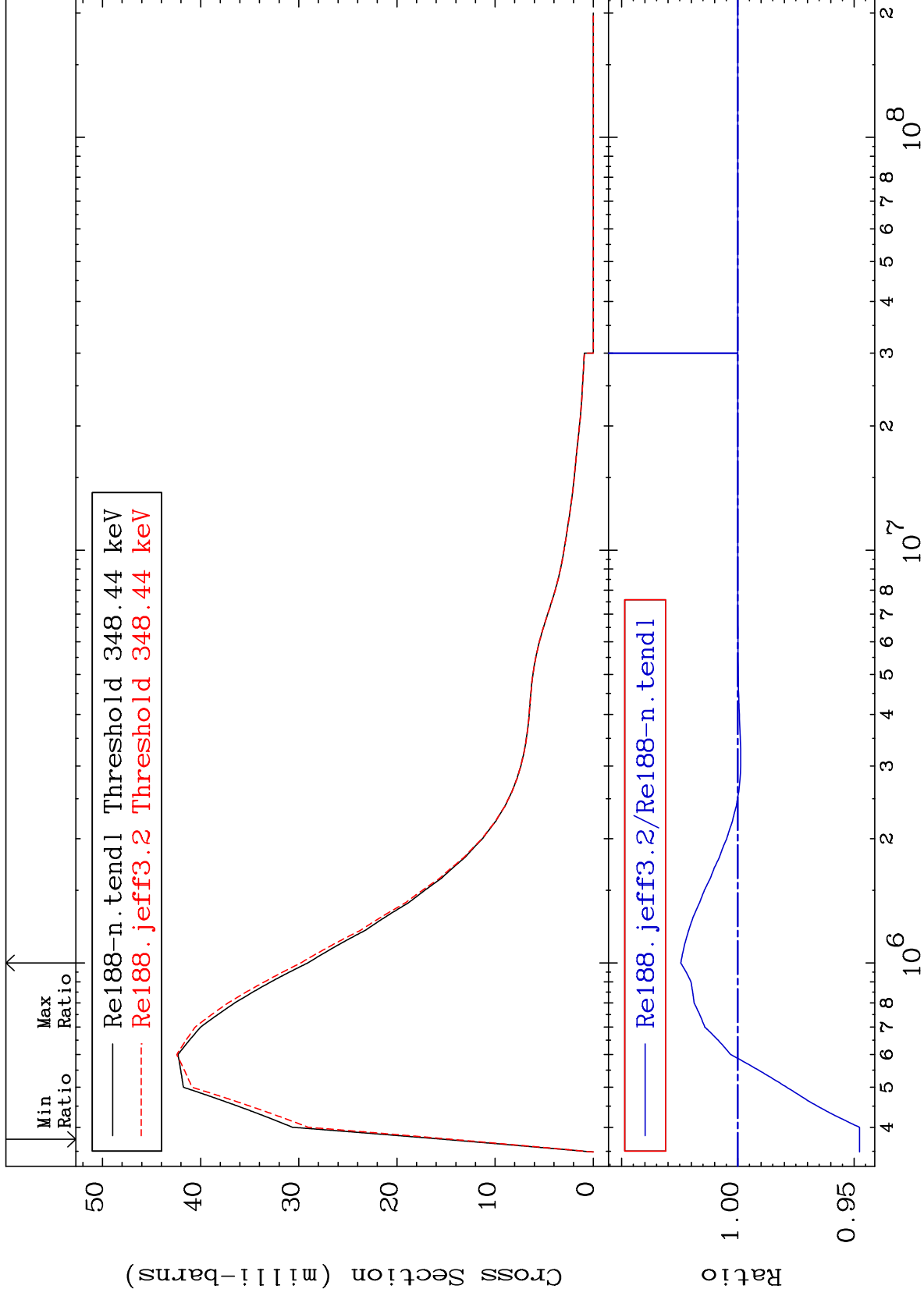
75-Re-188
-100.0 To 0.000 %



MAT 7534

346.6 keV (n,n') Level
Cross Section

75-Re-188
-5.237 To 2.455 %



40

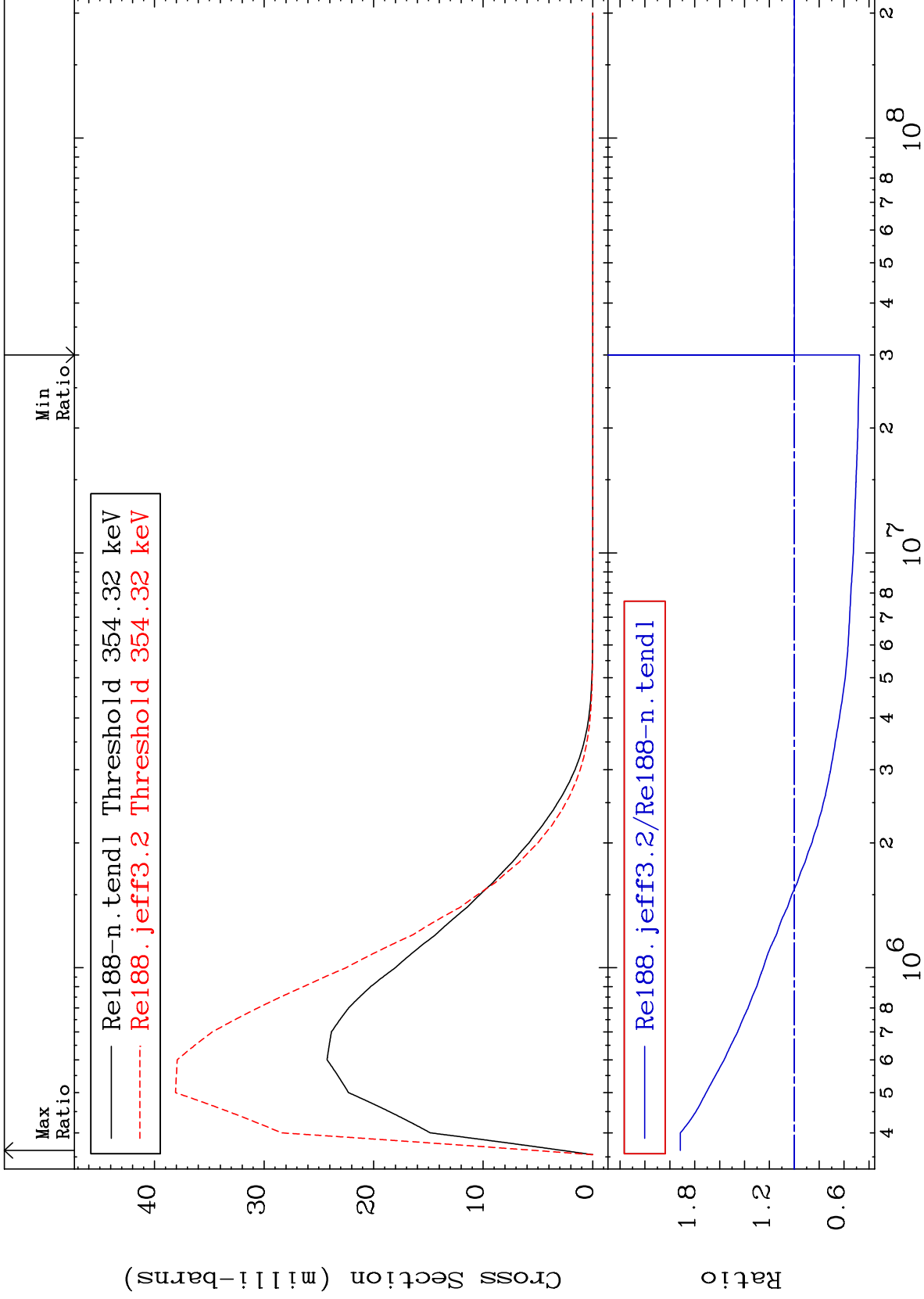
Incident Energy (eV)

75-Re-188

MAT 7534

352.4 keV (n,n') Level
Cross Section

75-Re-188
-52.33 To 91.56 %



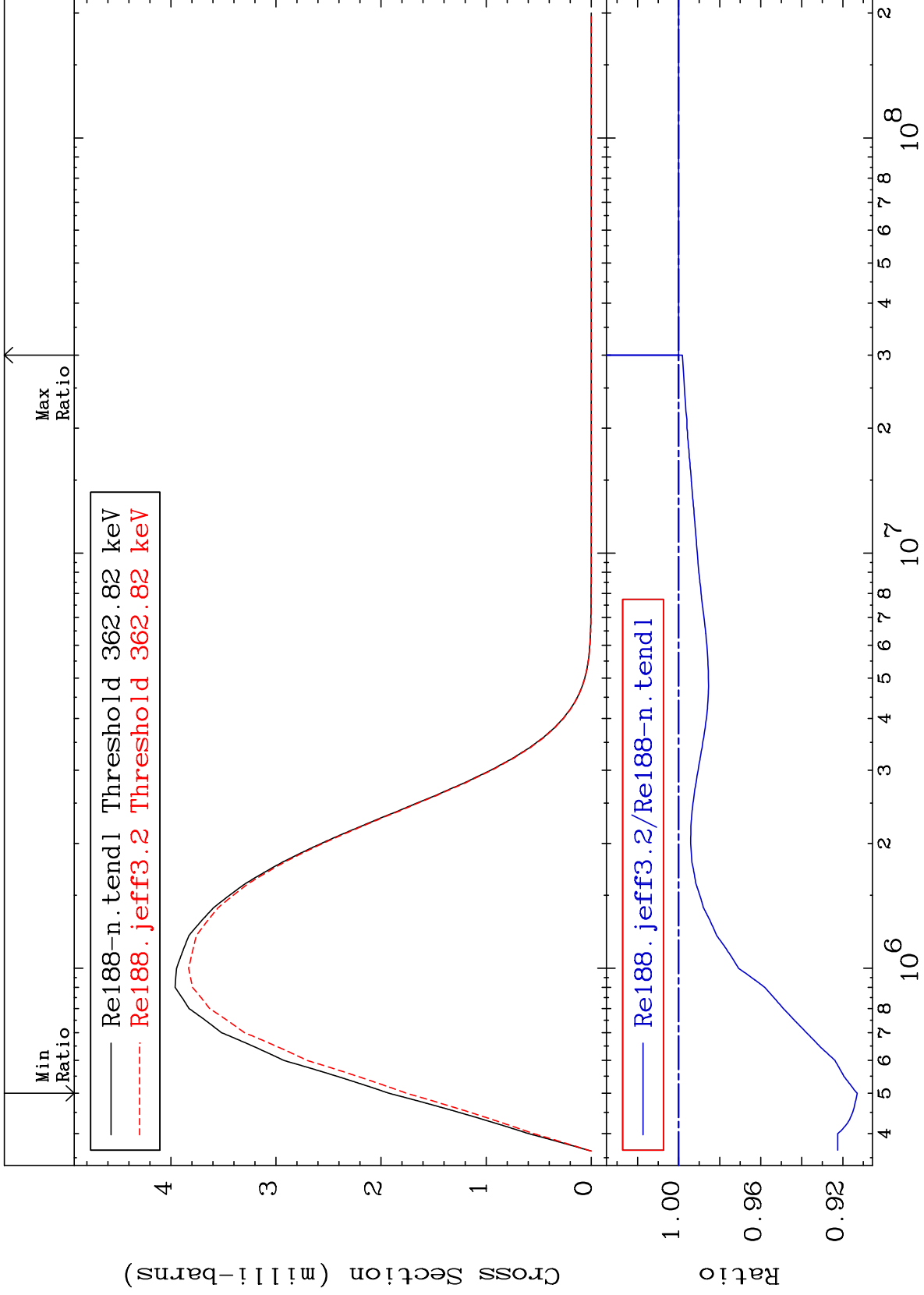
41

75-Re-188

MAT 7534

360.9 keV (n,n') Level
Cross Section

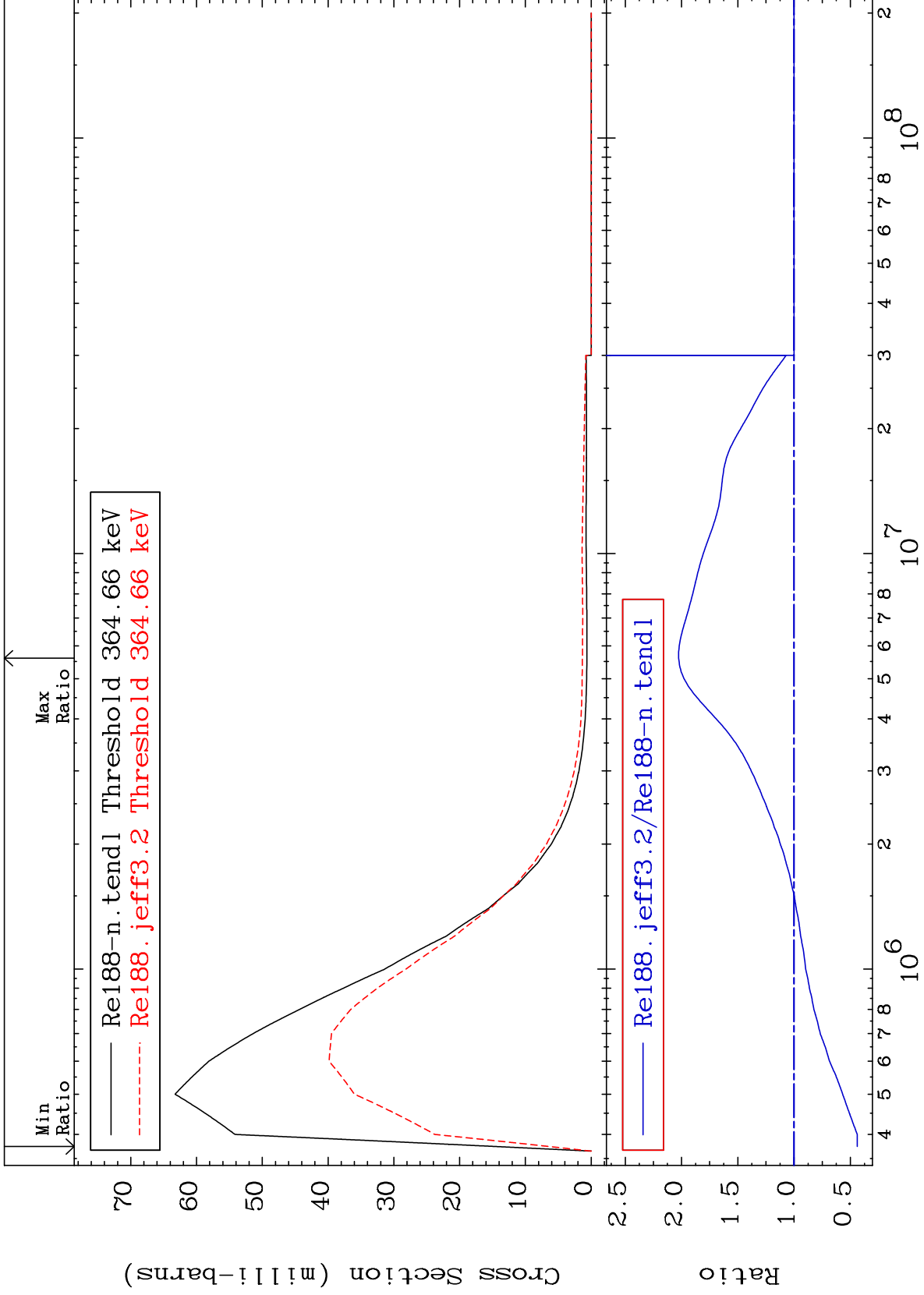
⁷⁵Re-¹⁸⁸Re
-8.702 To 0.000 %



MAT 7534

362.7 keV (n,n') Level
Cross Section

75-Re-188
-56.10 To 102.6 %



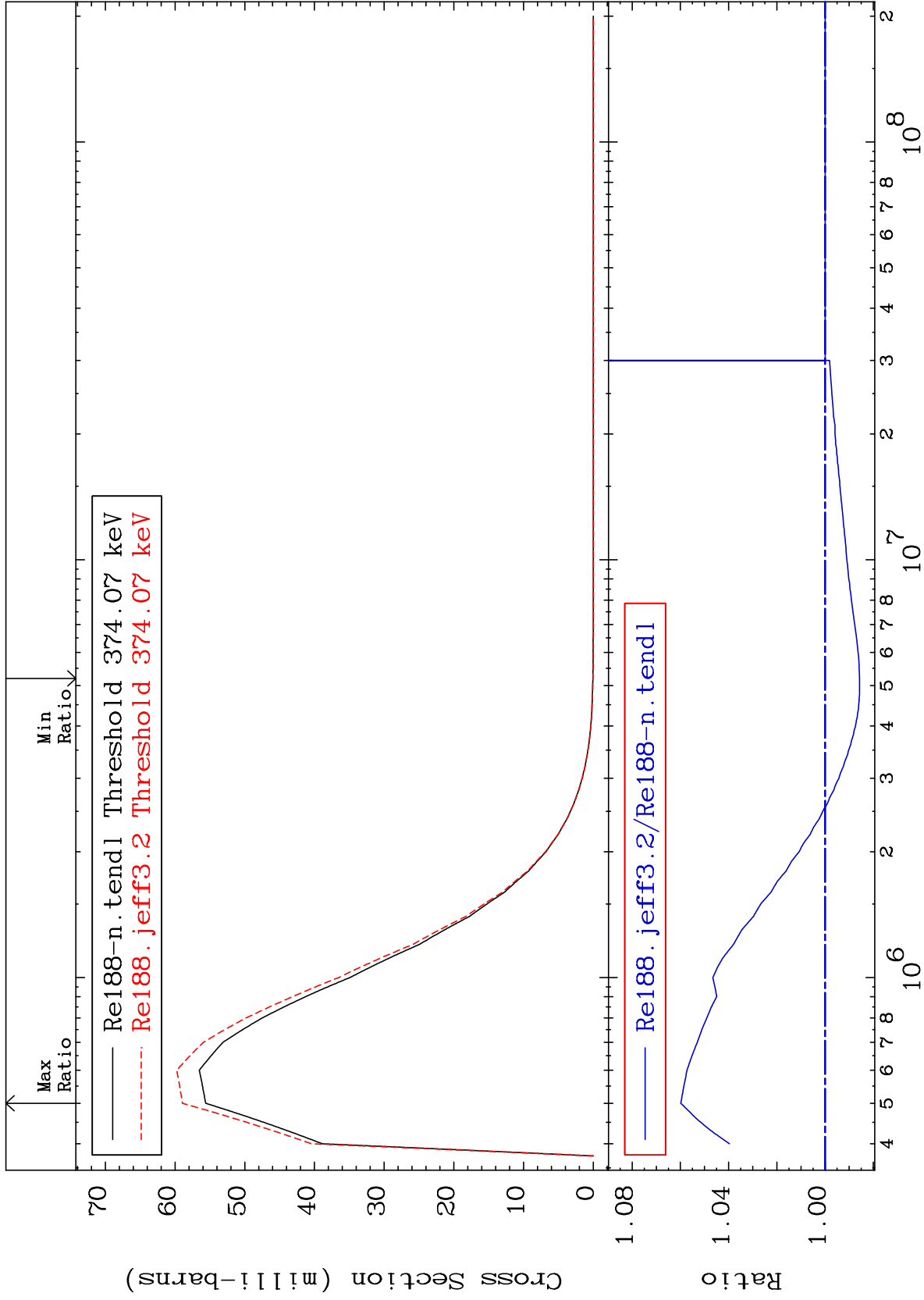
MAT 7534

372.1 keV (n,n') Level

⁷⁵Re-¹⁸⁸

-1.429 To 5.985 %

Cross Section



44

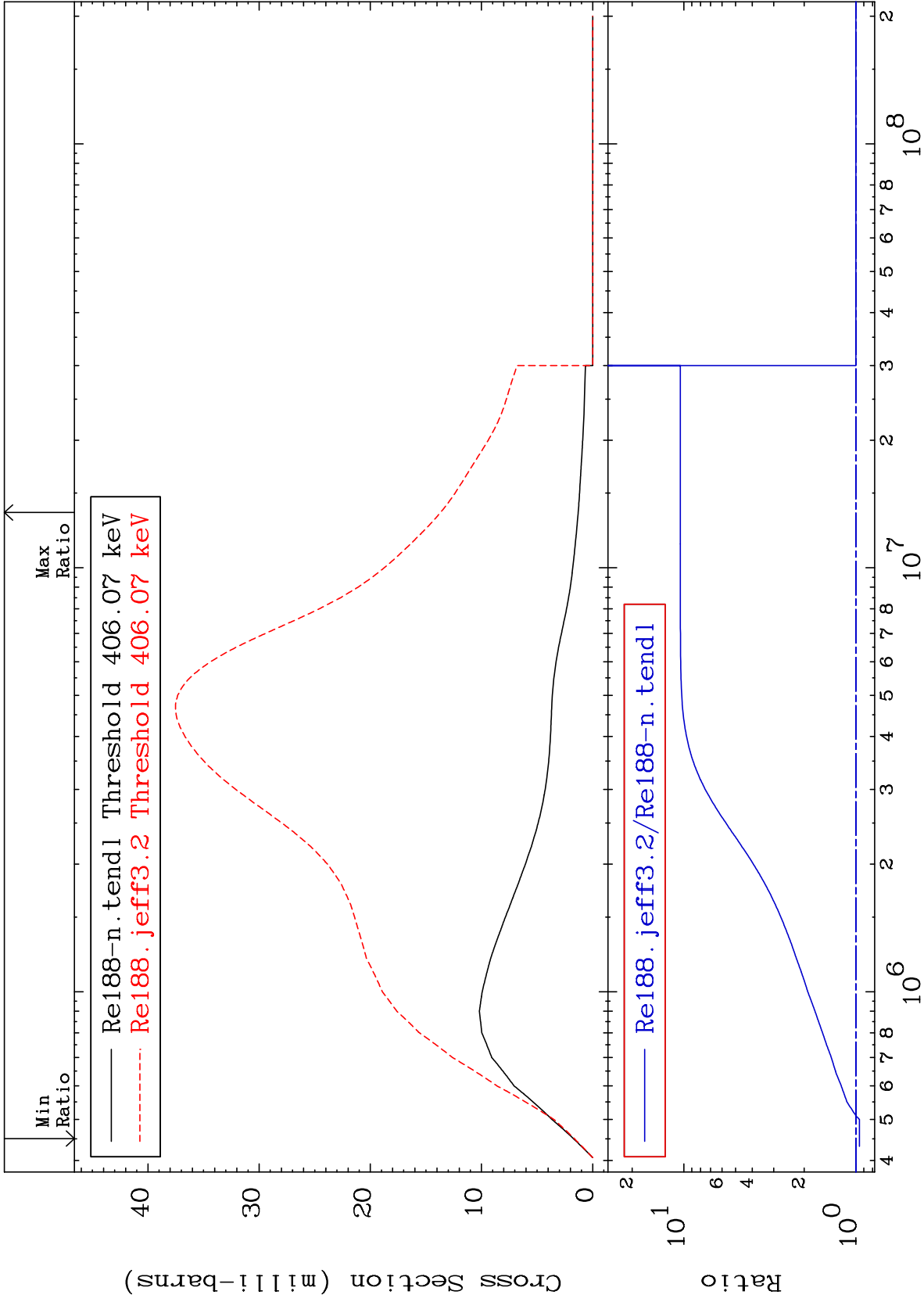
Incident Energy (eV)

⁷⁵Re-¹⁸⁸

MAT 7534

403.9 keV (n,n') Level
Cross Section

75-Re-188
-4.659 To 947.8 %



45

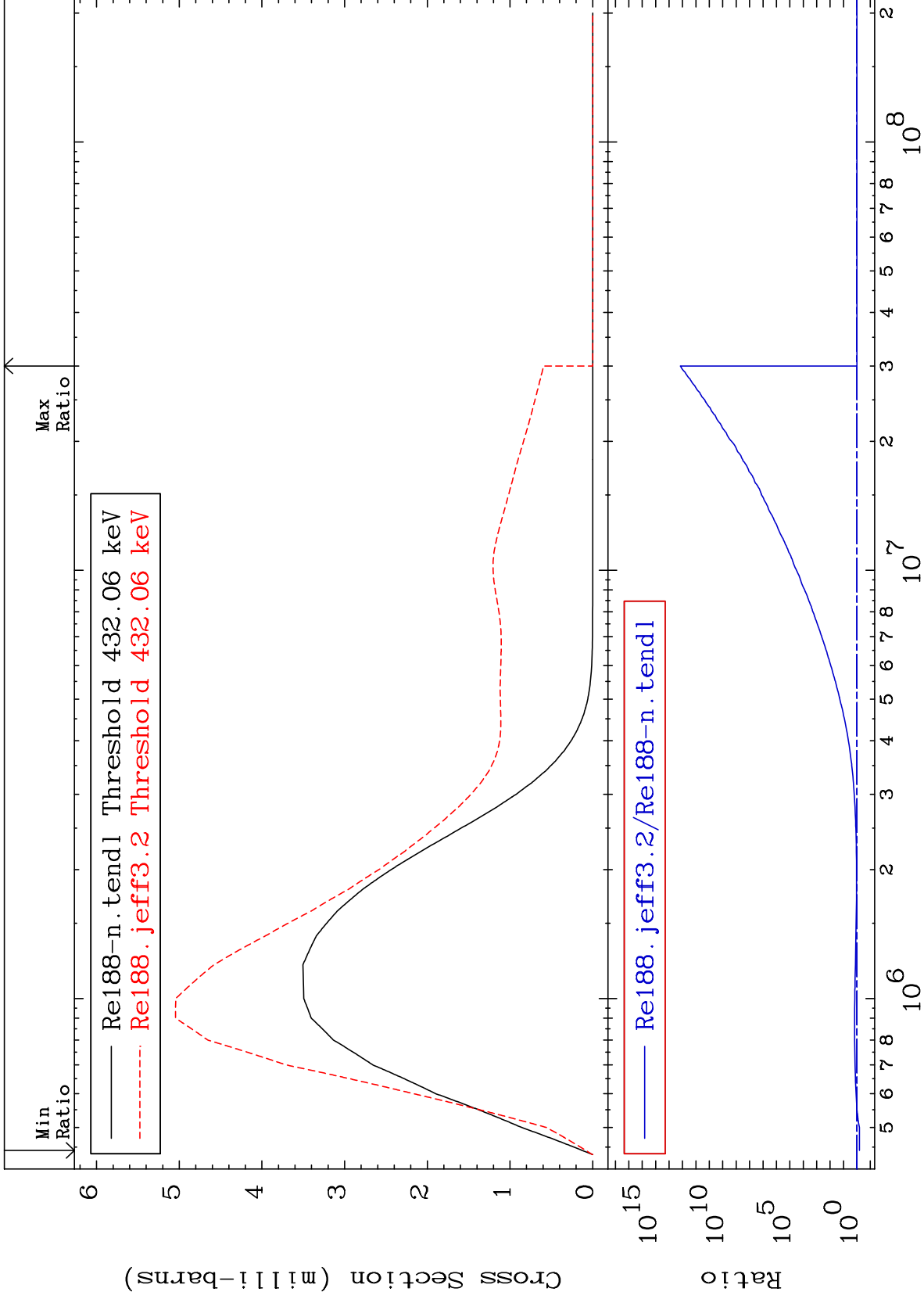
Incident Energy (eV)

75-Re-188

MAT 7534

429.8 keV (n,n') Level
Cross Section

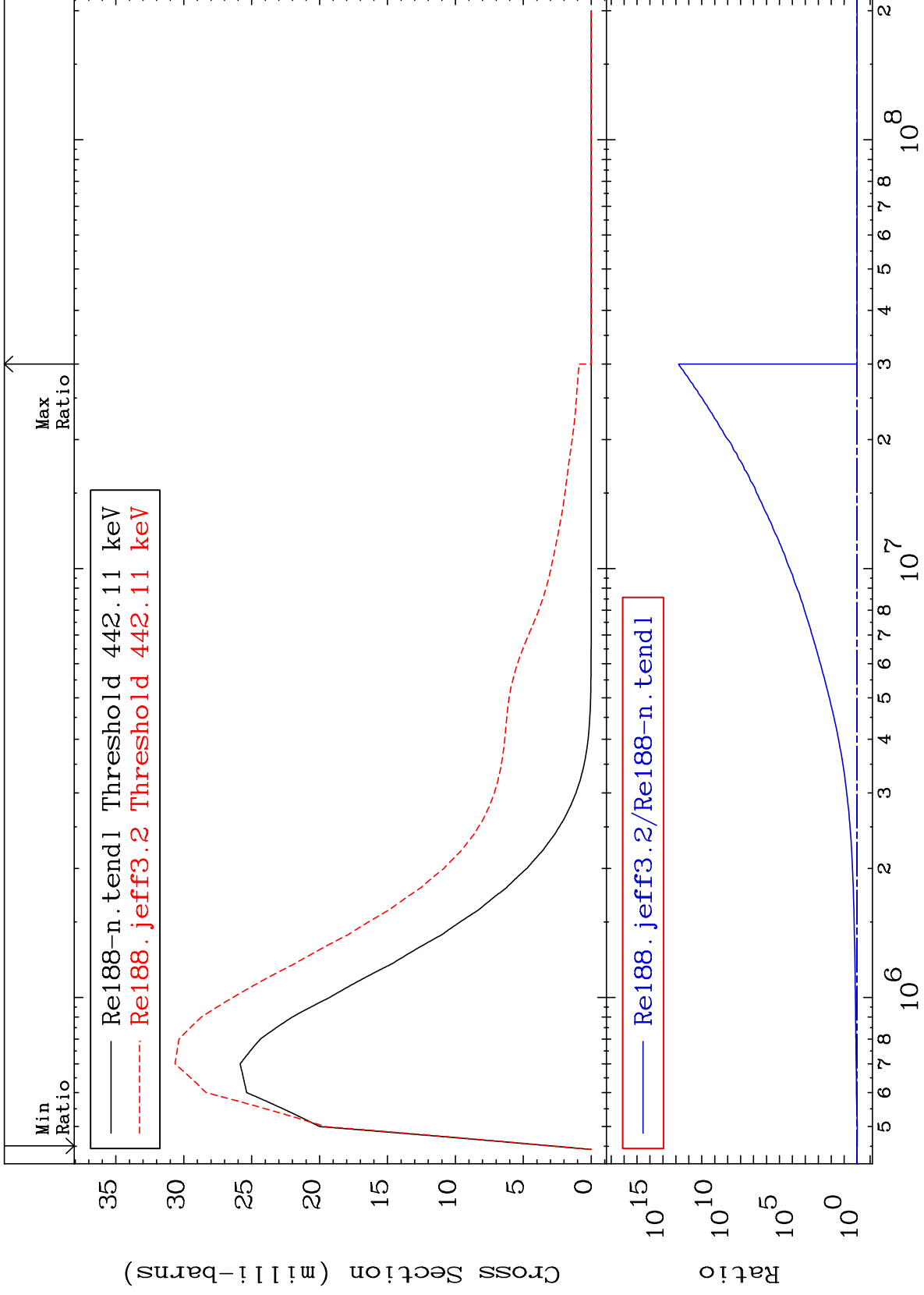
75-Re-188
-34.93 To 9999. %



MAT 7534

439.8 keV (n,n') Level
Cross Section

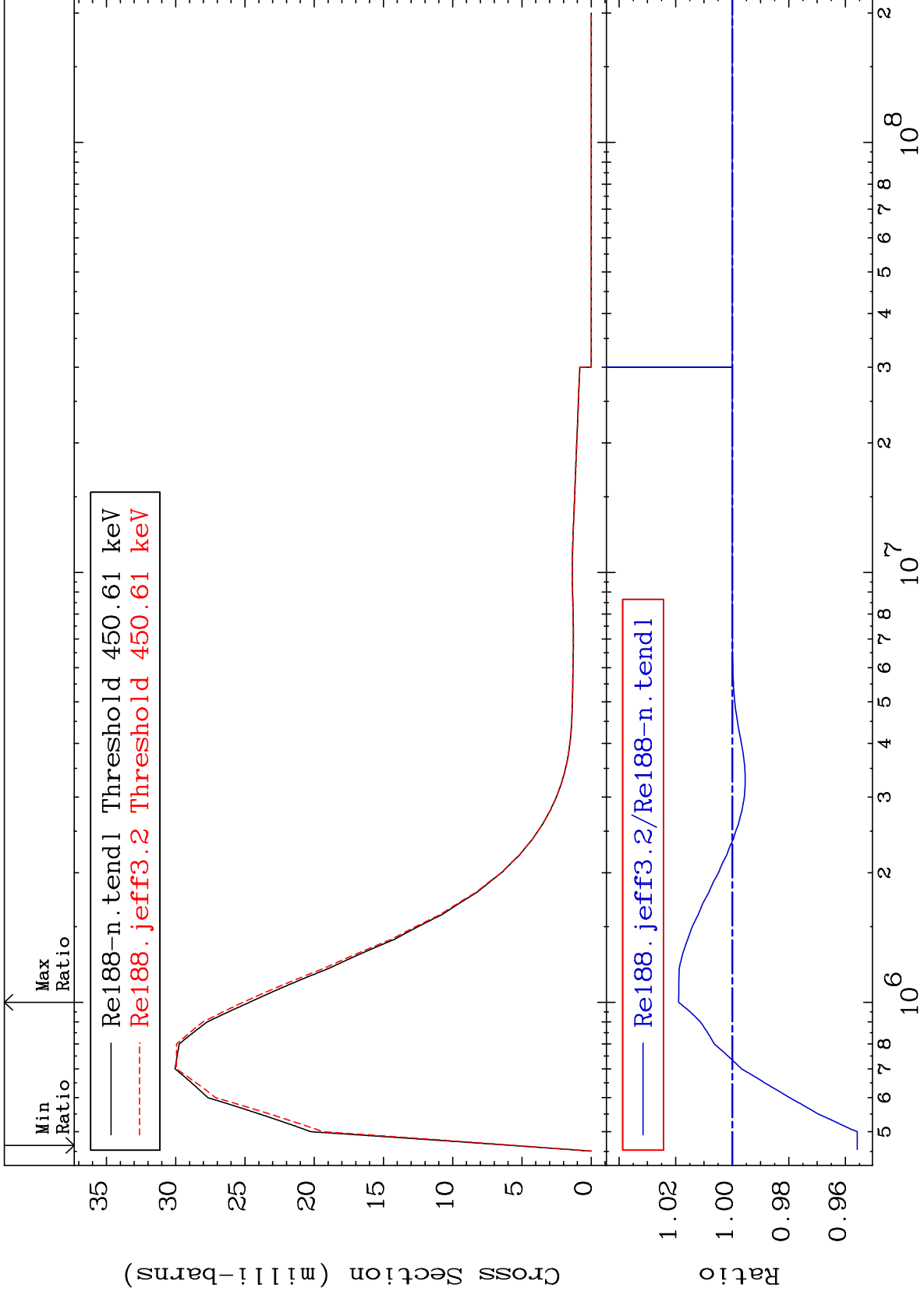
75-Re-188
-2.071 To 9999. %



MAT 7534

448.2 keV (n,n') Level
Cross Section

⁷⁵Re-¹⁸⁸
-4.417 To 1.896 %



48

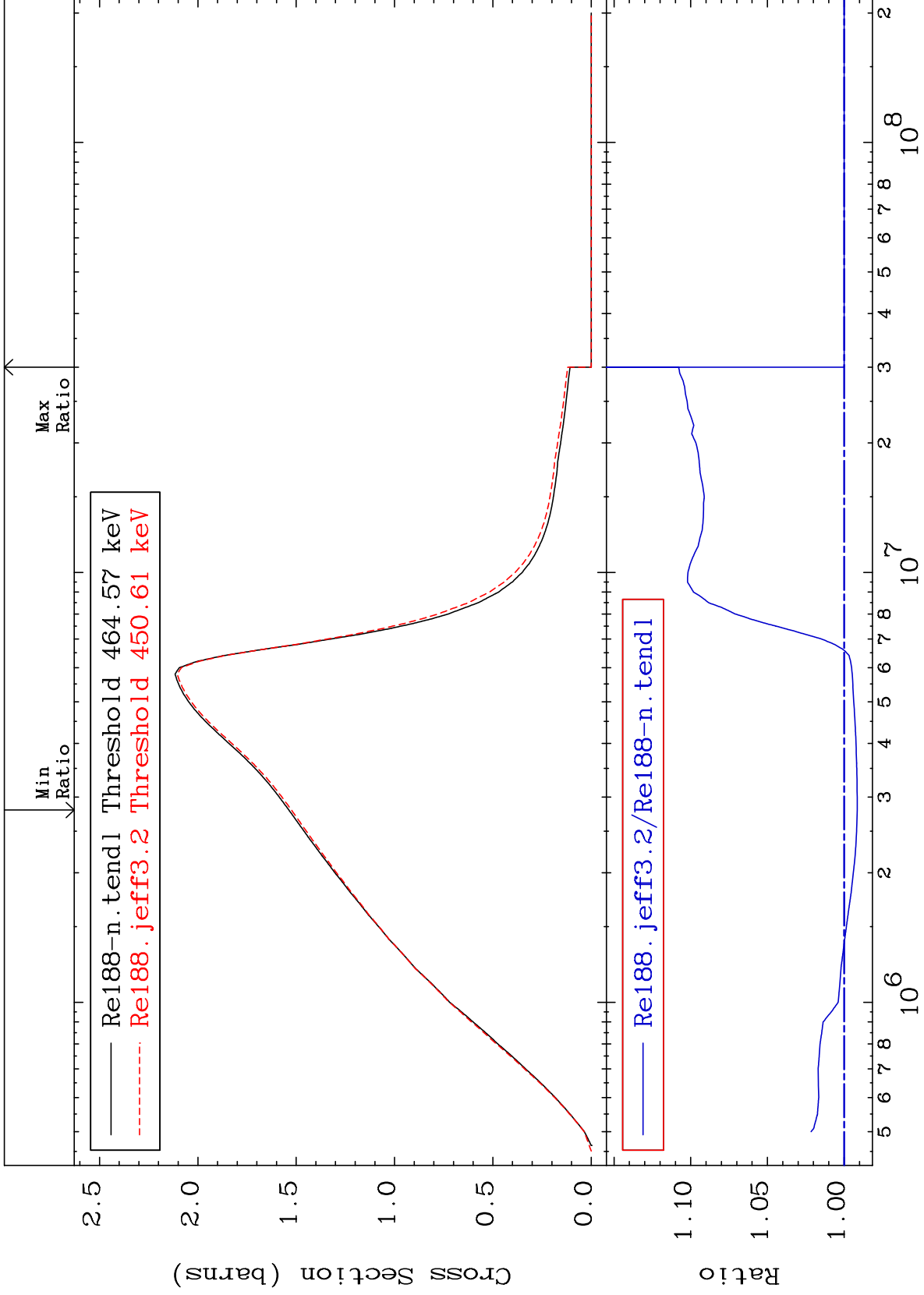
Incident Energy (eV)

⁷⁵Re-¹⁸⁸

MAT 7534

(n, n') Continuum
Cross Section

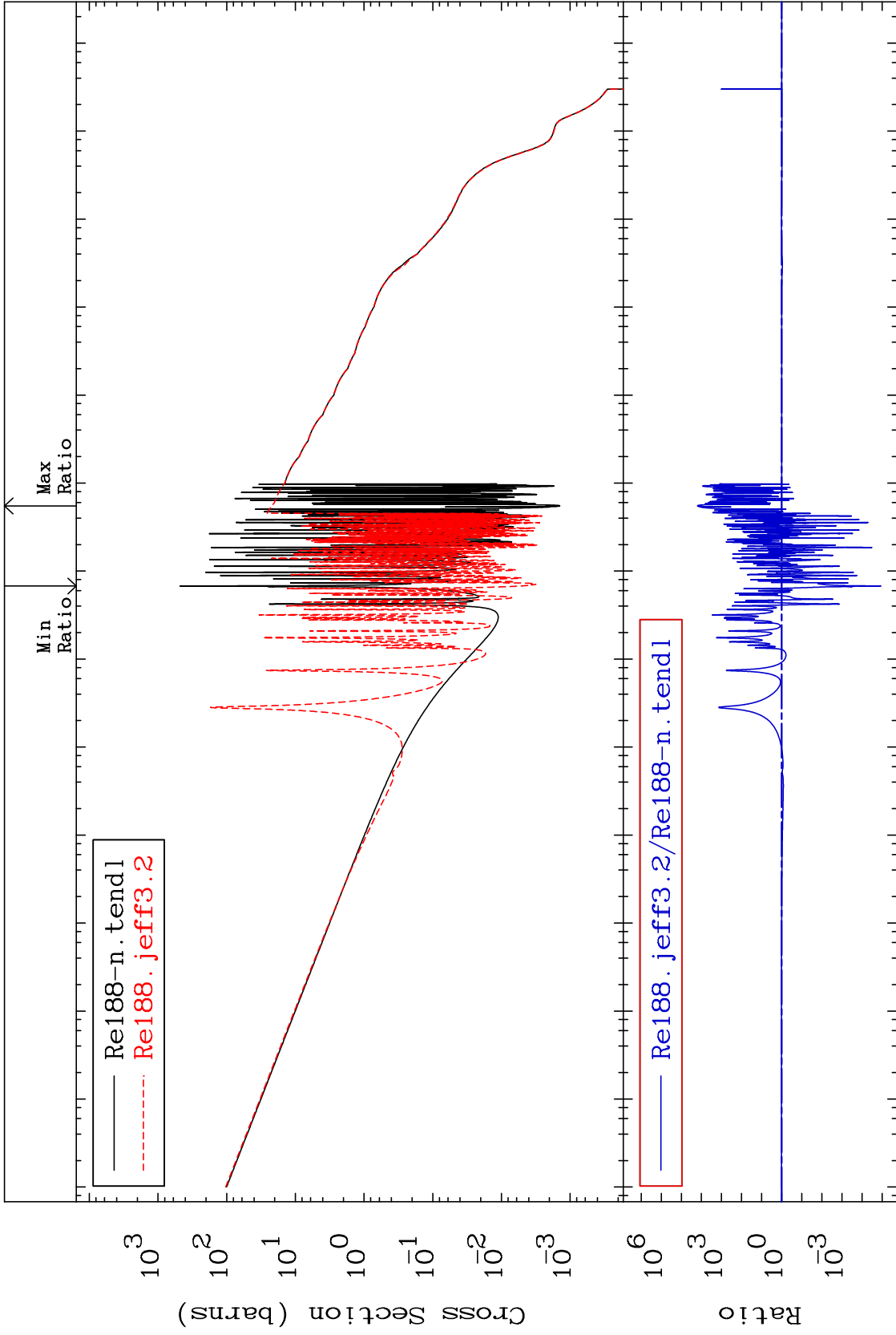
⁷⁵Re-¹⁸⁸Re
-0.857 To 10.79 %



MAT 7534

(n, γ)
Cross Section

75-Re-188
-100.0 To 9999. %



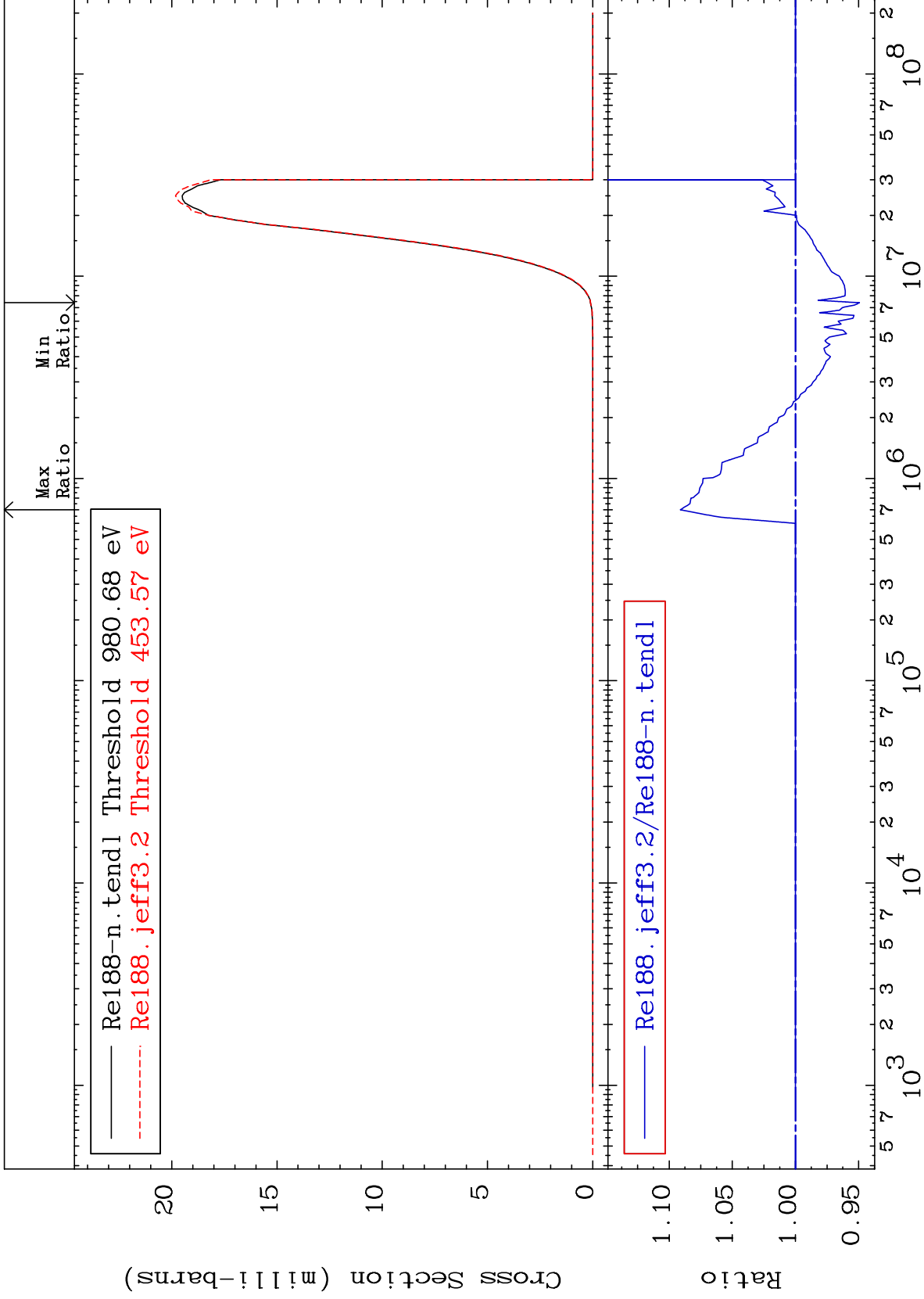
MAT 7534

(n, p)

⁷⁵Re-¹⁸⁸

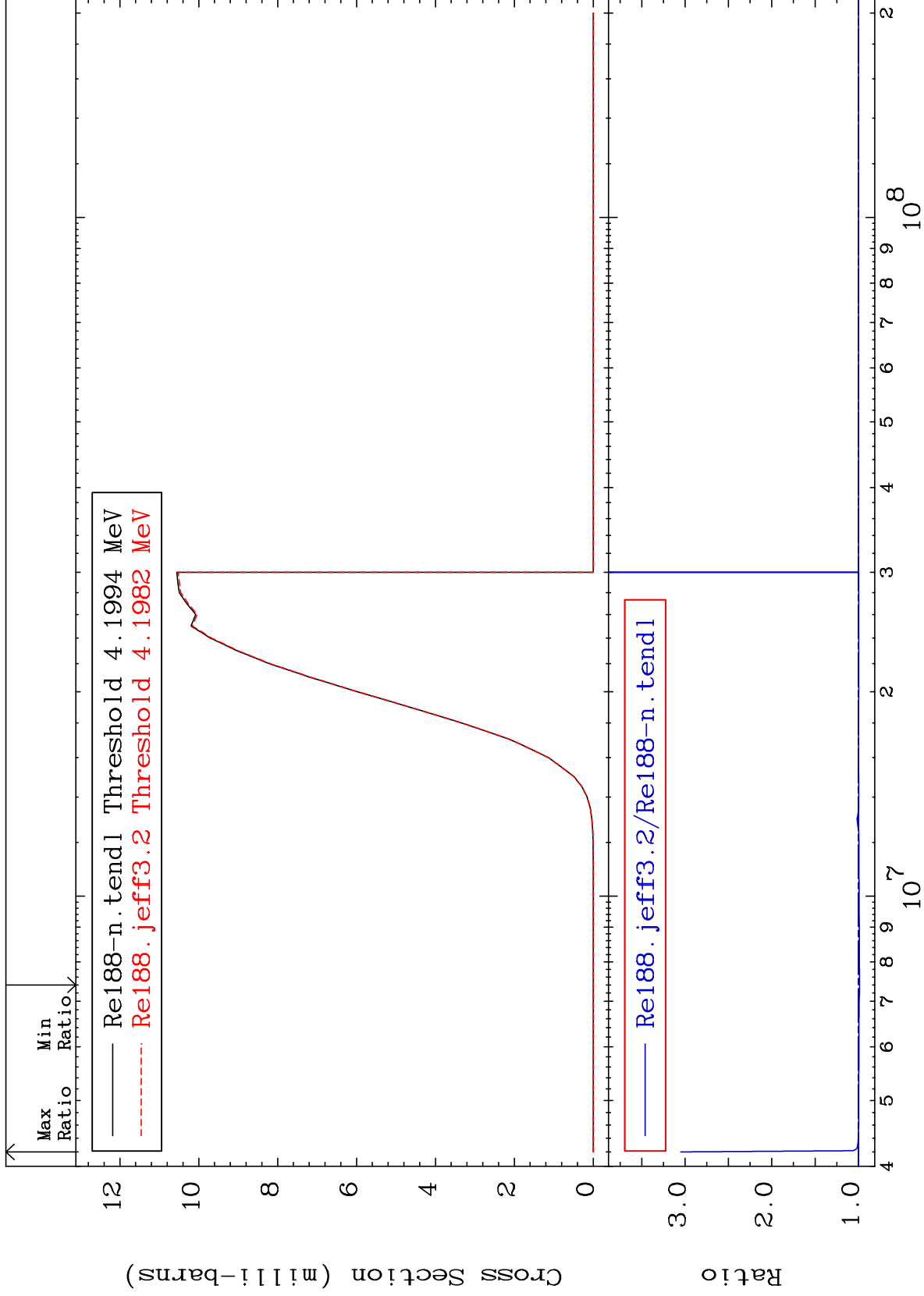
Cross Section

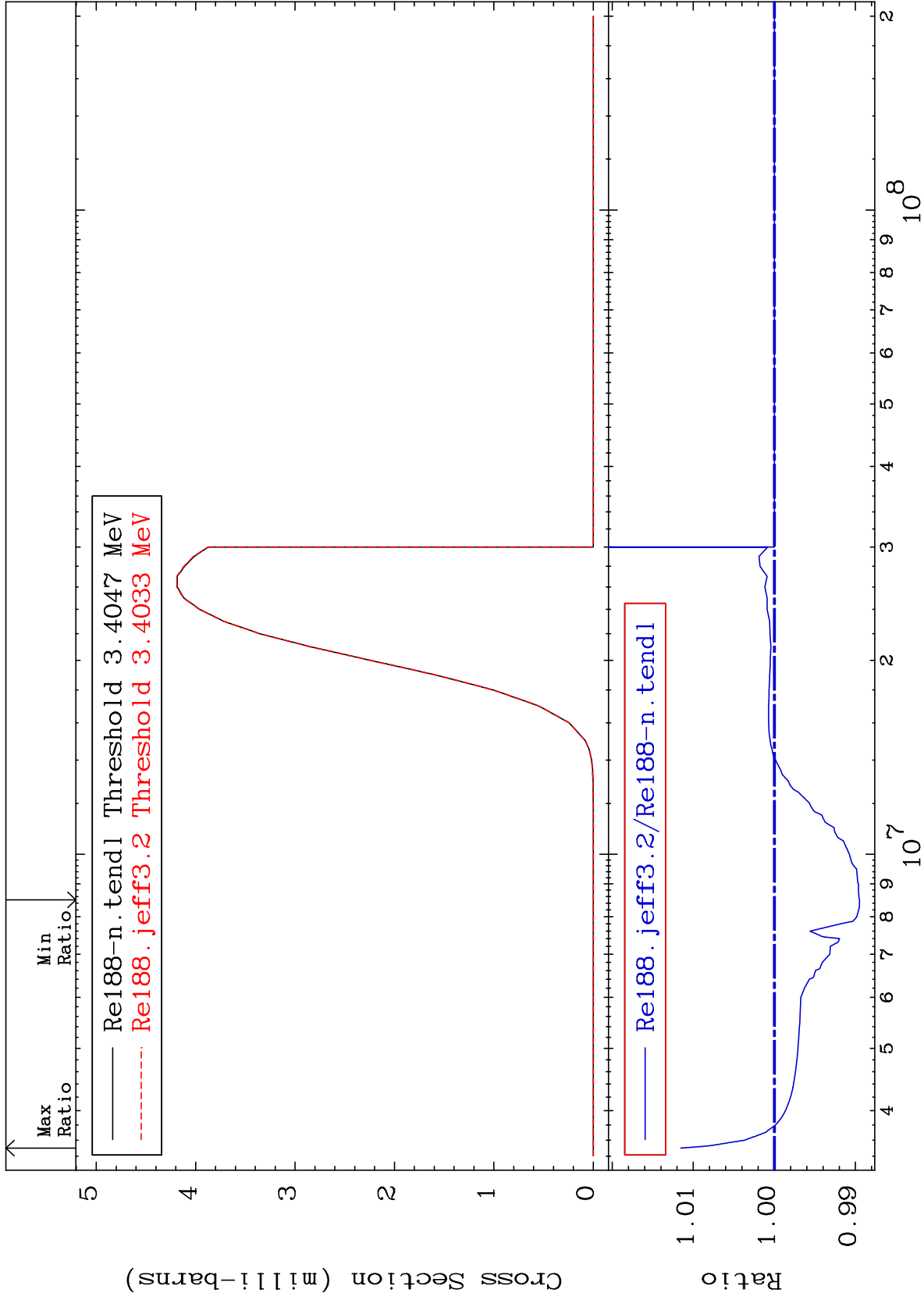
-5.064 To 9.114 %



— Re188-n.tendl Threshold 980.68 eV
- - - Re188.jeff3.2 Threshold 453.57 eV

— Re188.jeff3.2/Re188-n.tendl





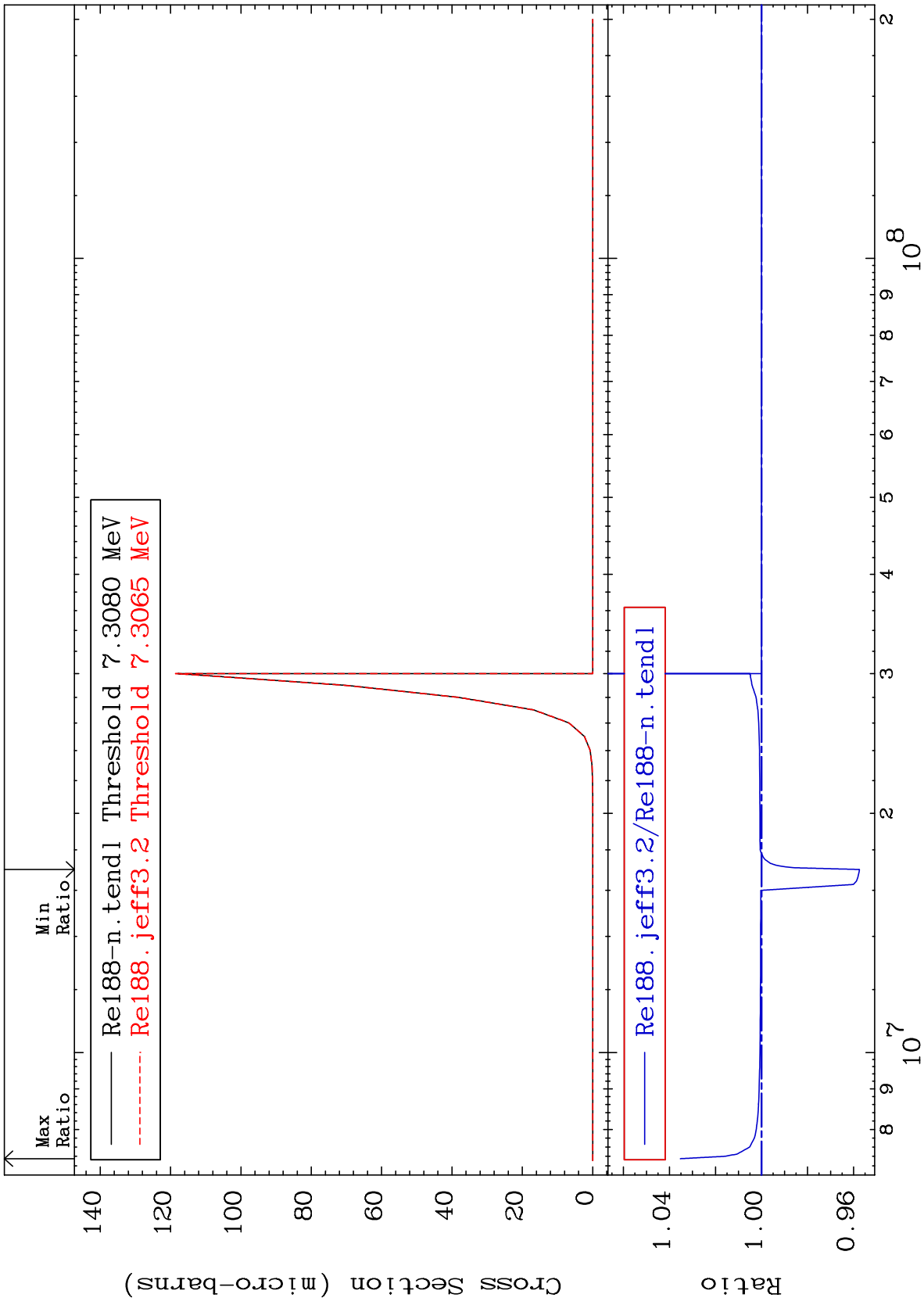
MAT 7534

(n, He-3)

⁷⁵Re-¹⁸⁸

Cross Section

-4.254 To 3.526 %



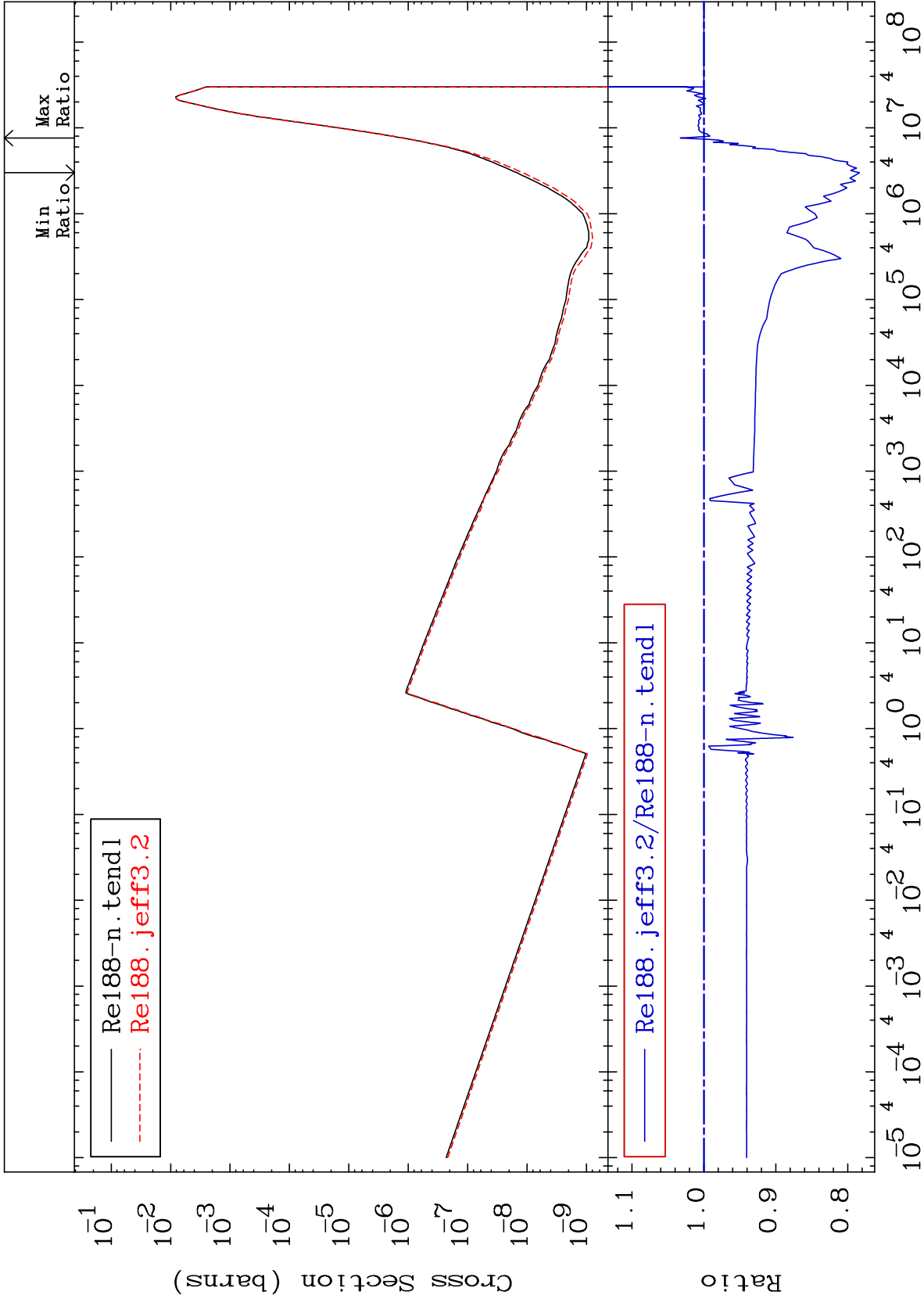
MAT 7534

(n, α)

Cross Section

75-Re-188

-21.63 To 3.278 %



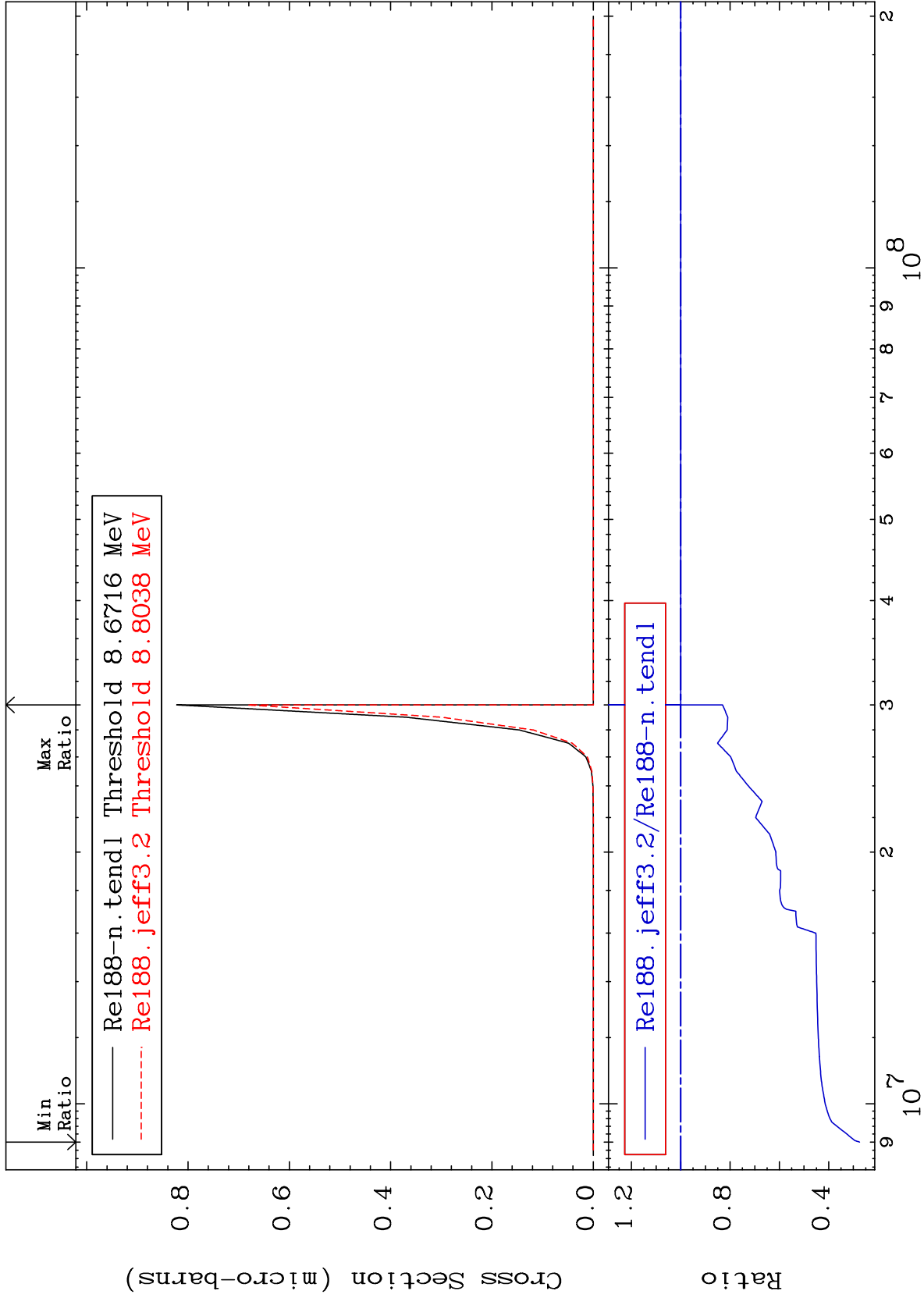
MAT 7534

(n,2p)

⁷⁵Re-¹⁸⁸

Cross Section

-72.50 To 0.000 %



56

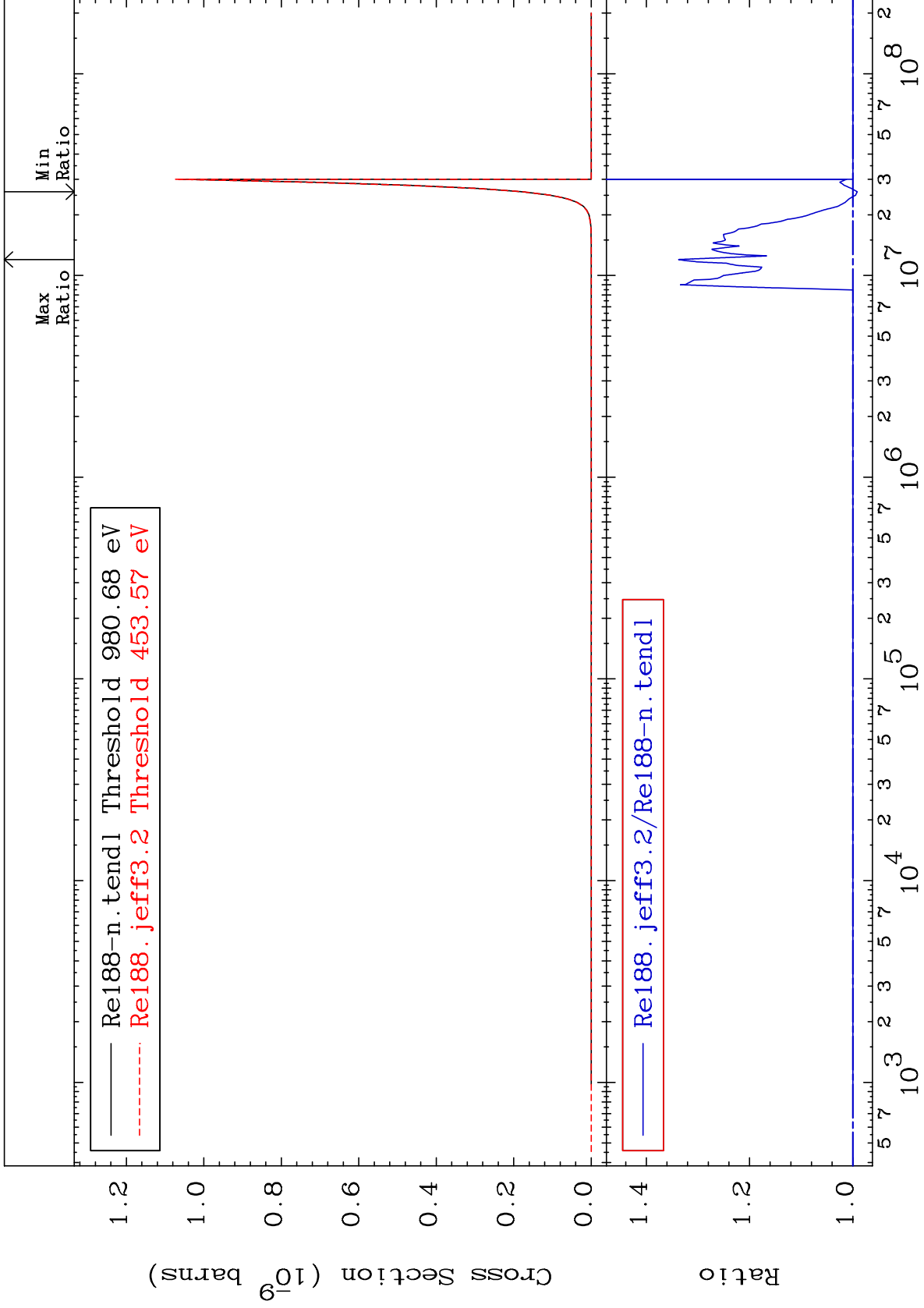
Incident Energy (eV)

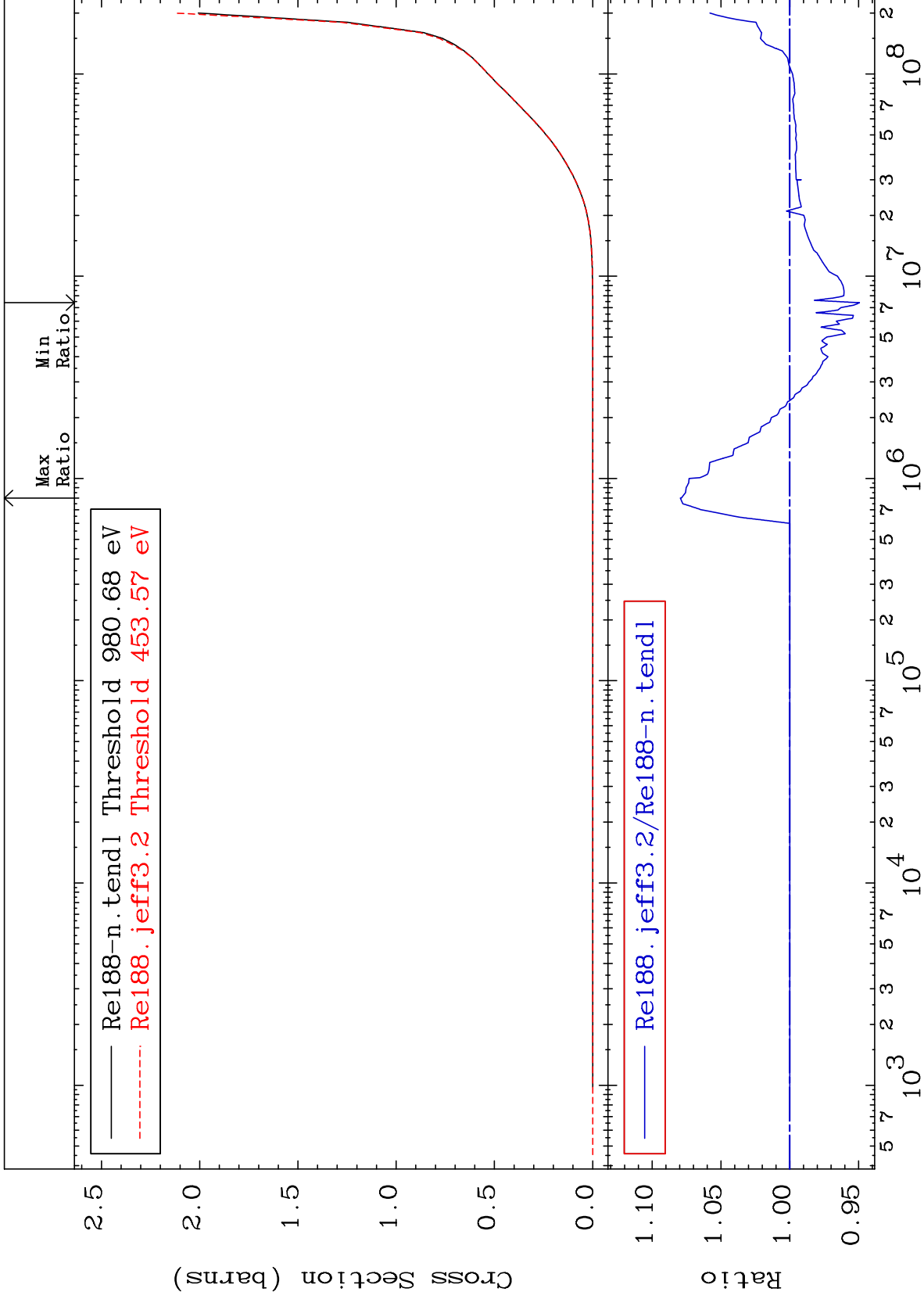
⁷⁵Re-¹⁸⁸

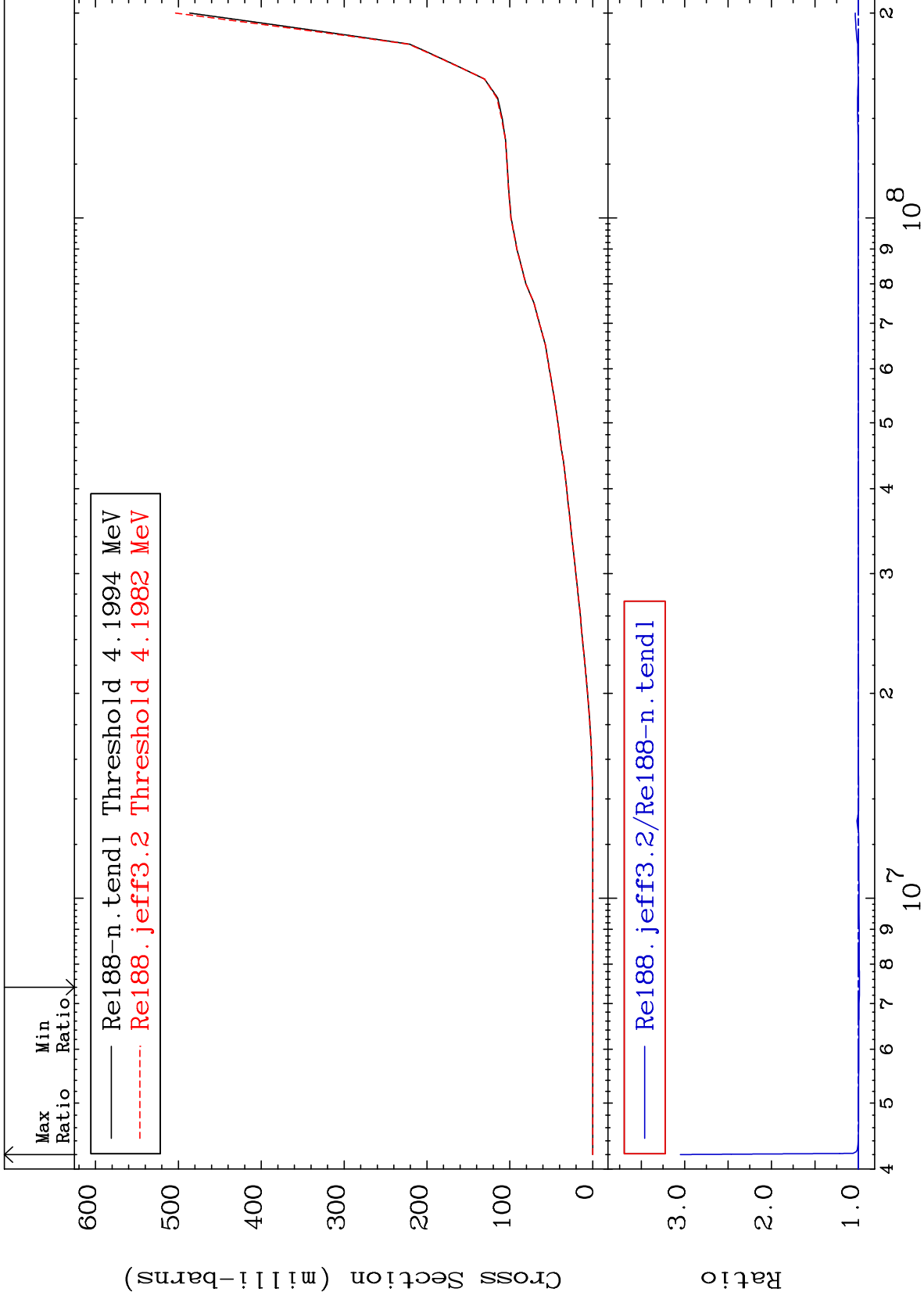
MAT 7534

(n, p) α
Cross Section

⁷⁵Re-188
-0.864 To 33.74 %



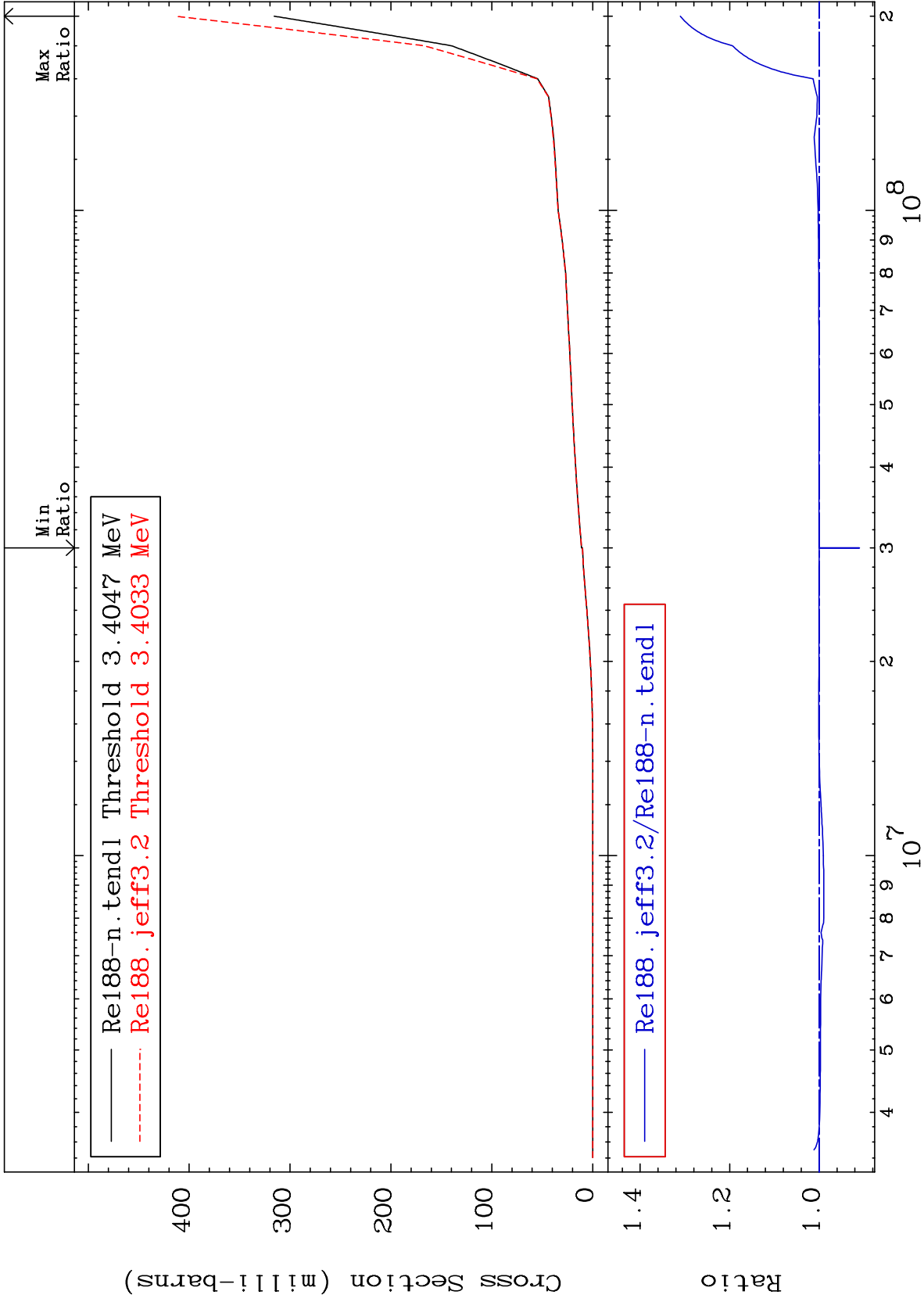




MAT 7534

Tritium Production
Cross Section

⁷⁵Re-¹⁸⁸Re
-9.003 To 31.02 %



60

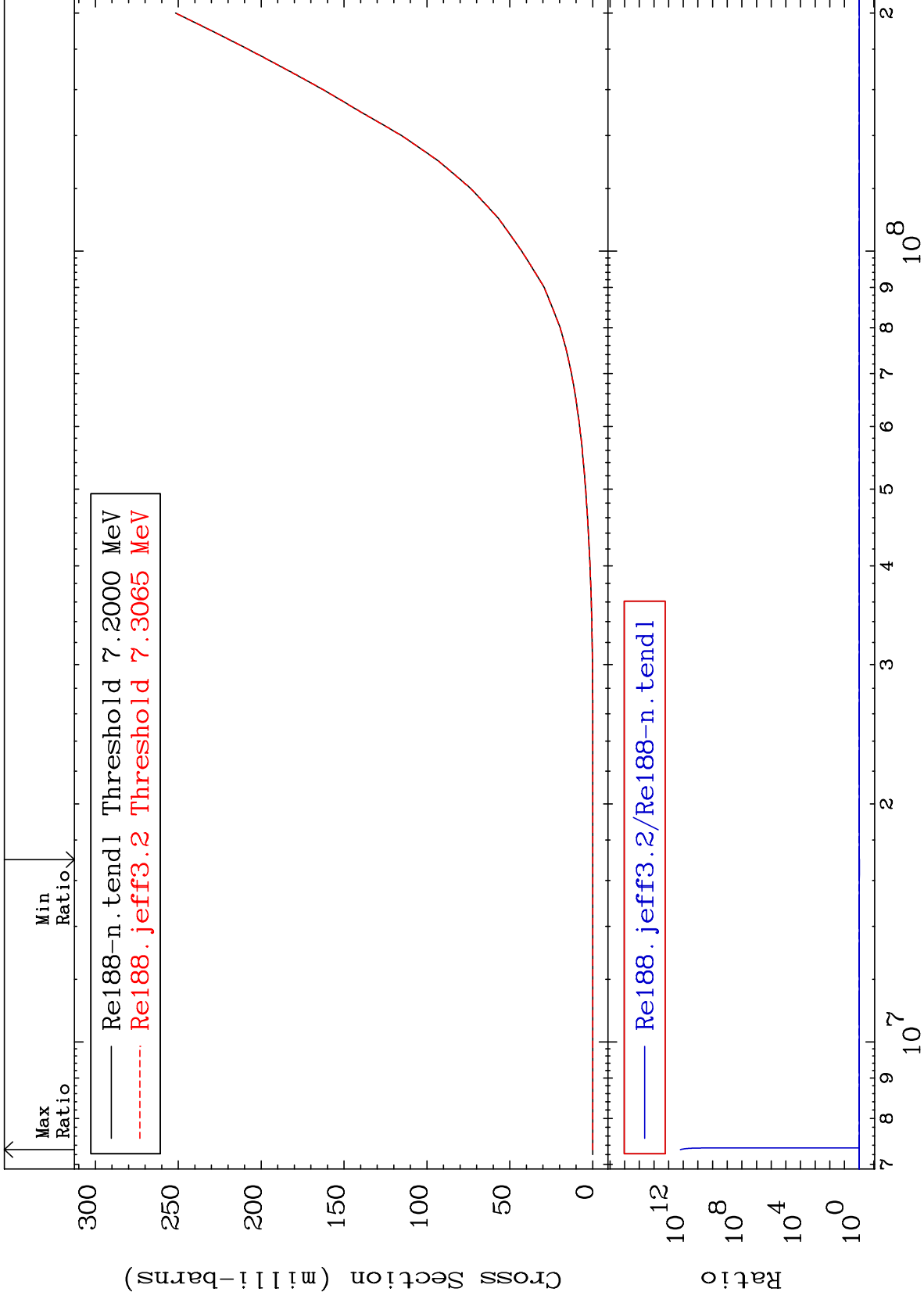
Incident Energy (eV)

⁷⁵Re-¹⁸⁸Re

MAT 7534

He-3 Production
Cross Section

⁷⁵Re-¹⁸⁸Re
-4.255 To 9999. %



61

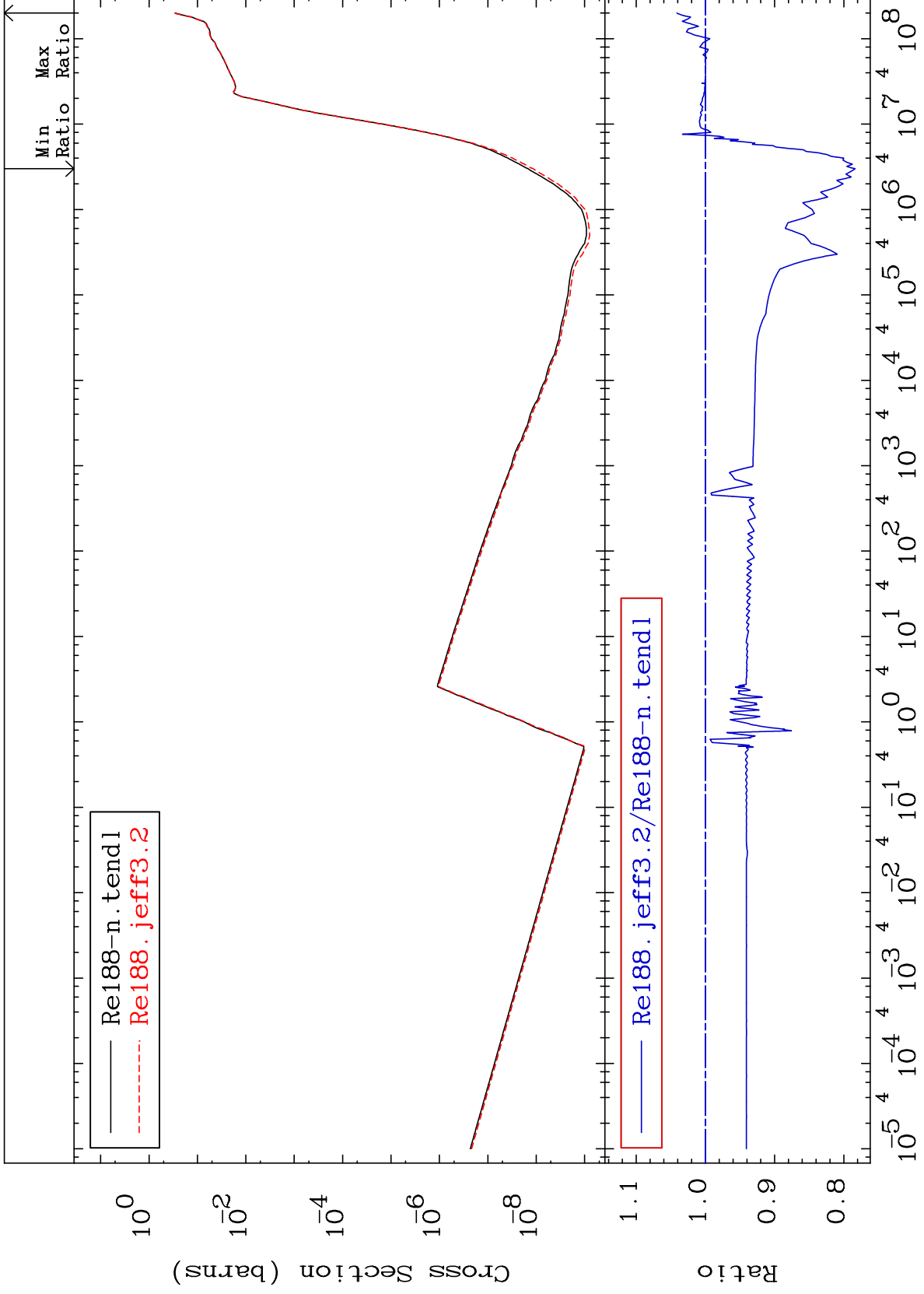
Incident Energy (eV)

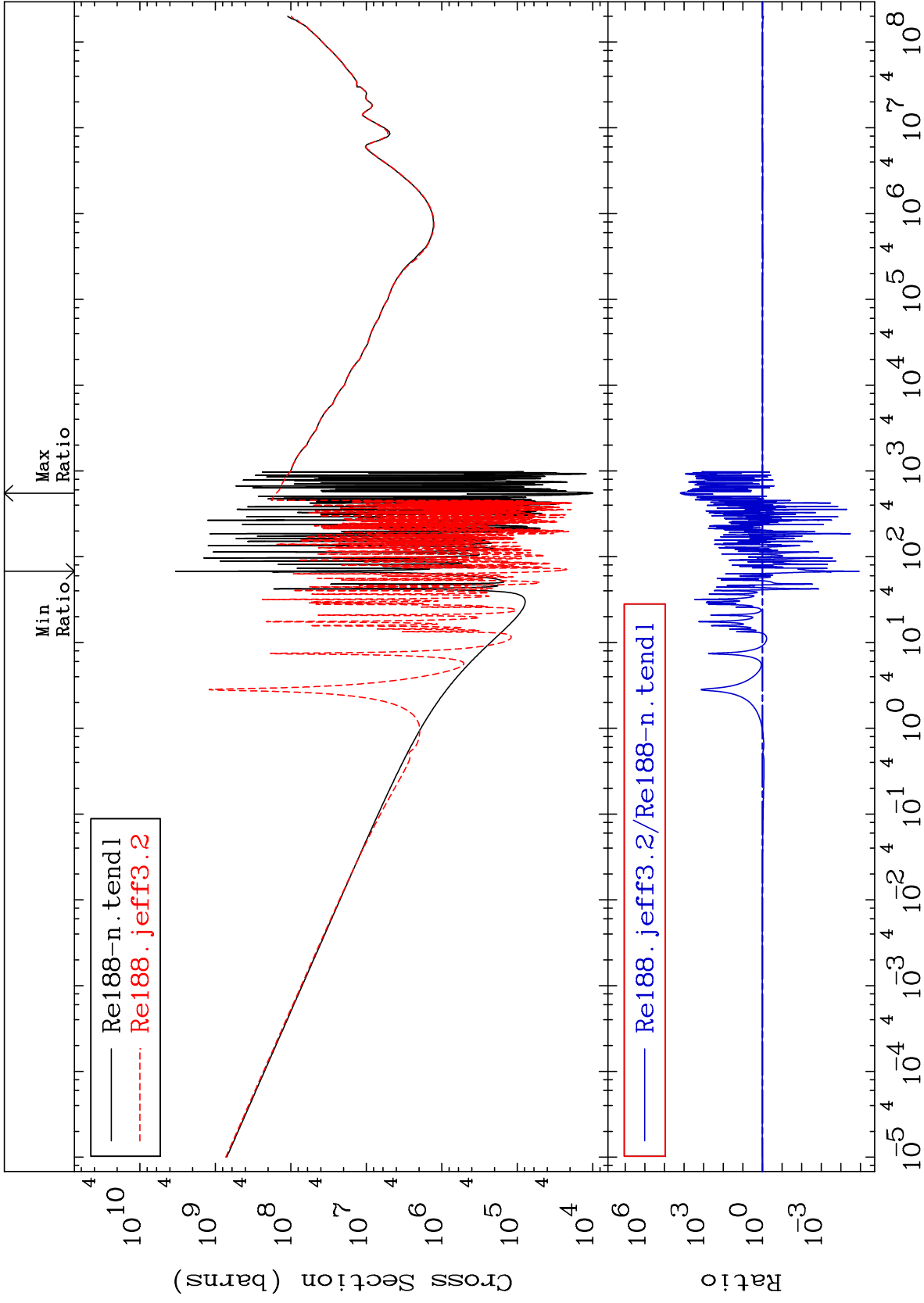
⁷⁵Re-¹⁸⁸Re

MAT 7534

He-4 Production
Cross Section

⁷⁵Re-¹⁸⁸
-21.63 To 4.118 %

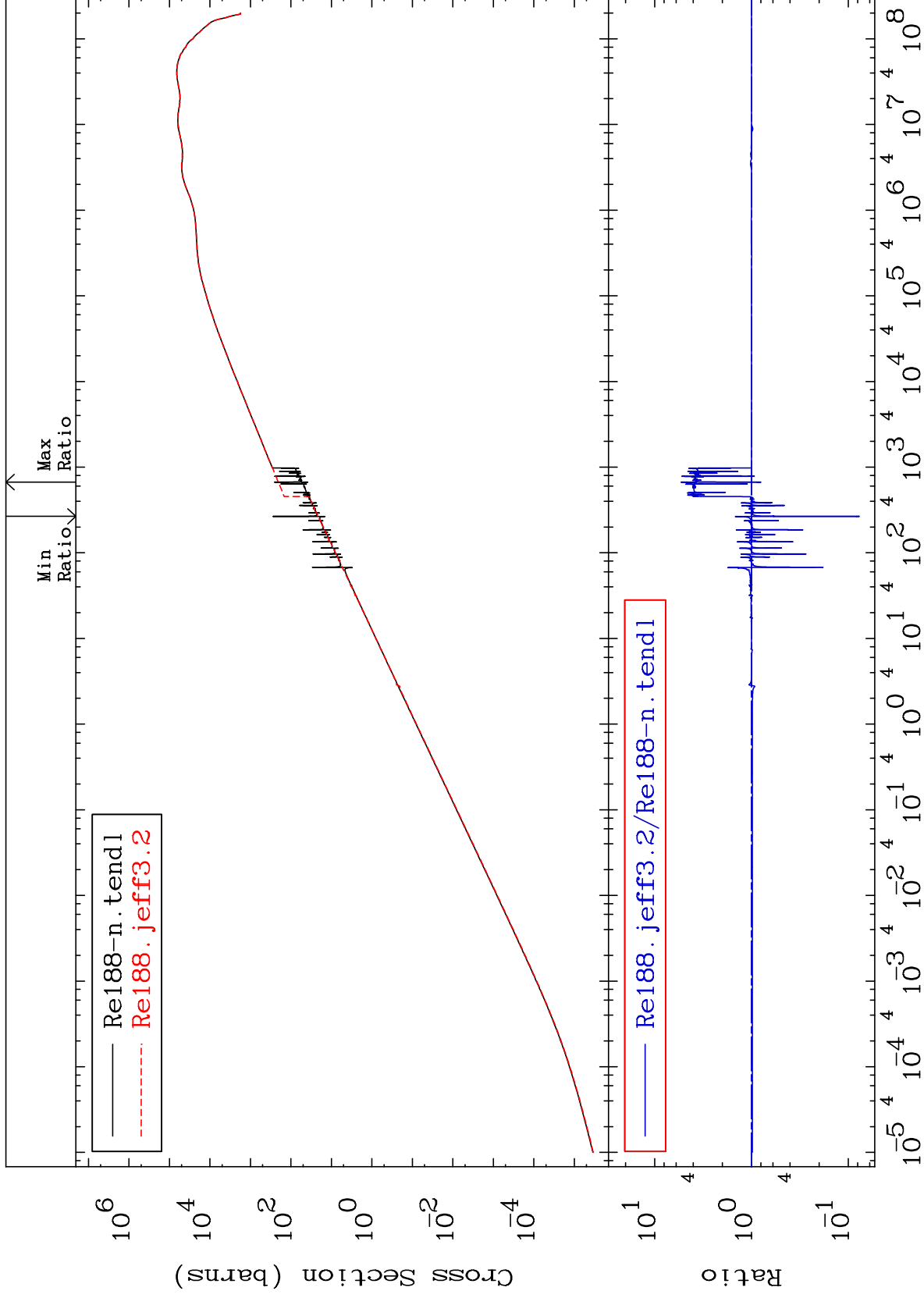


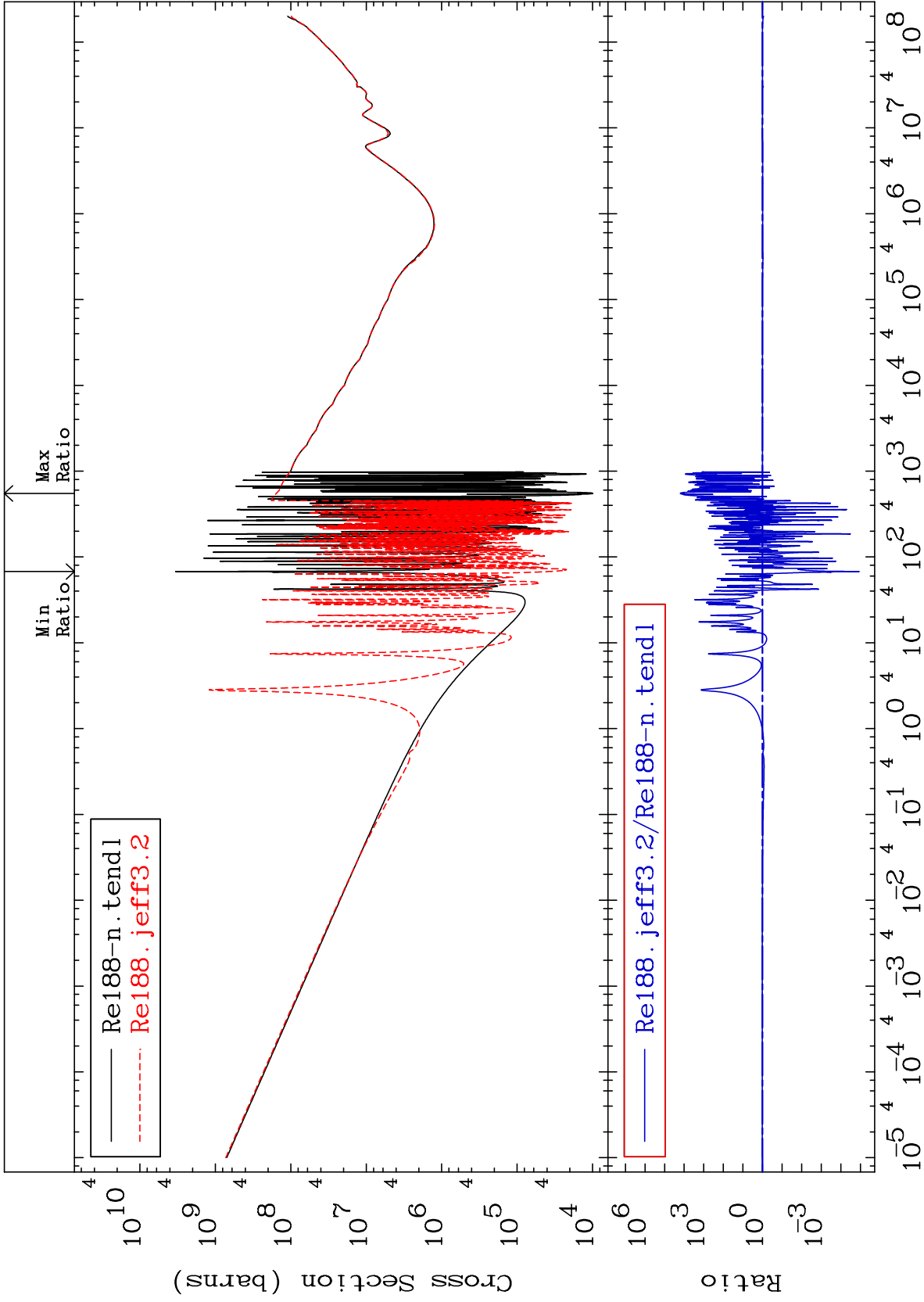


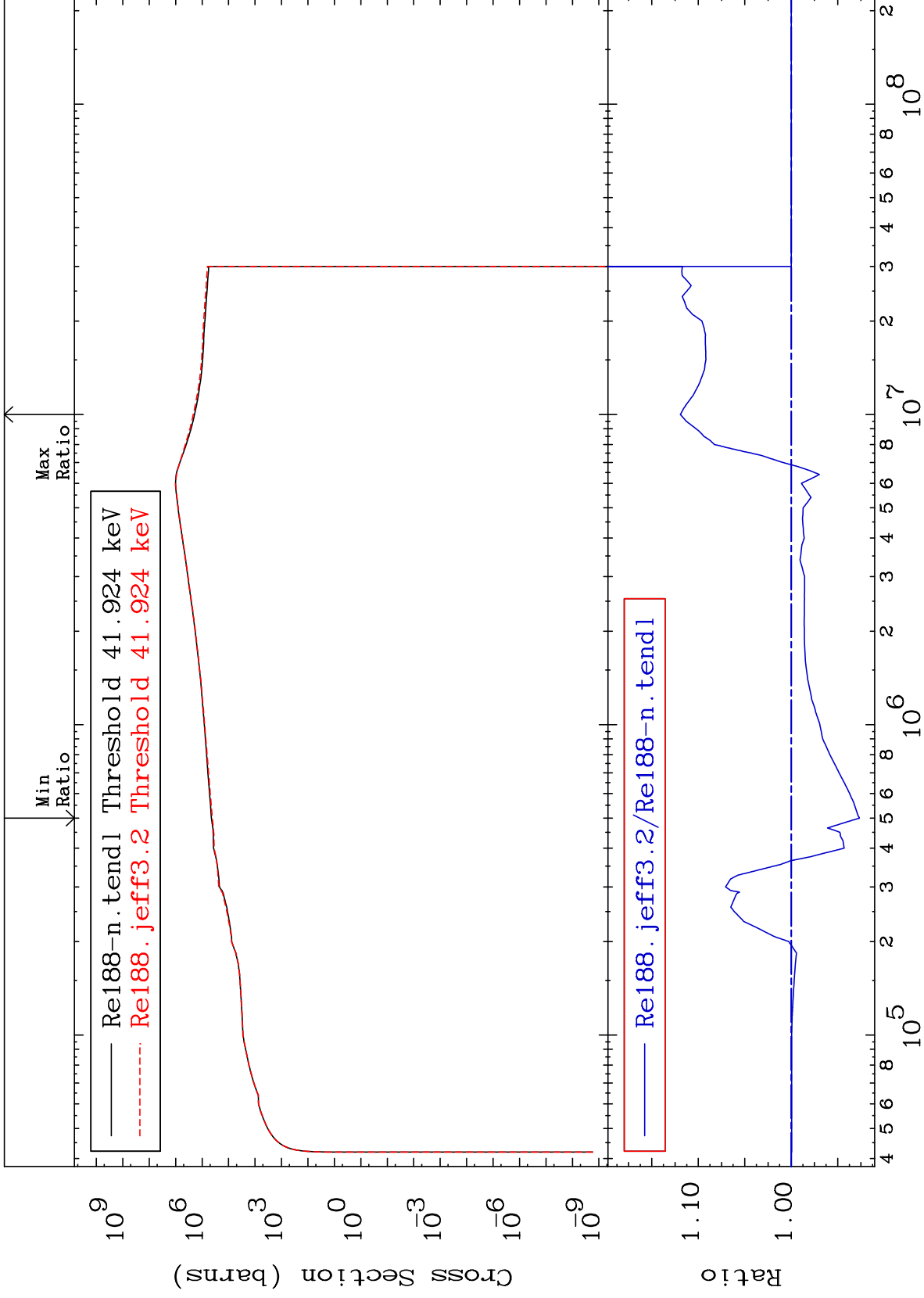
MAT 7534

Kerma elastic
Cross Section

⁷⁵Re-¹⁸⁸
-92.35 To 437.8 %



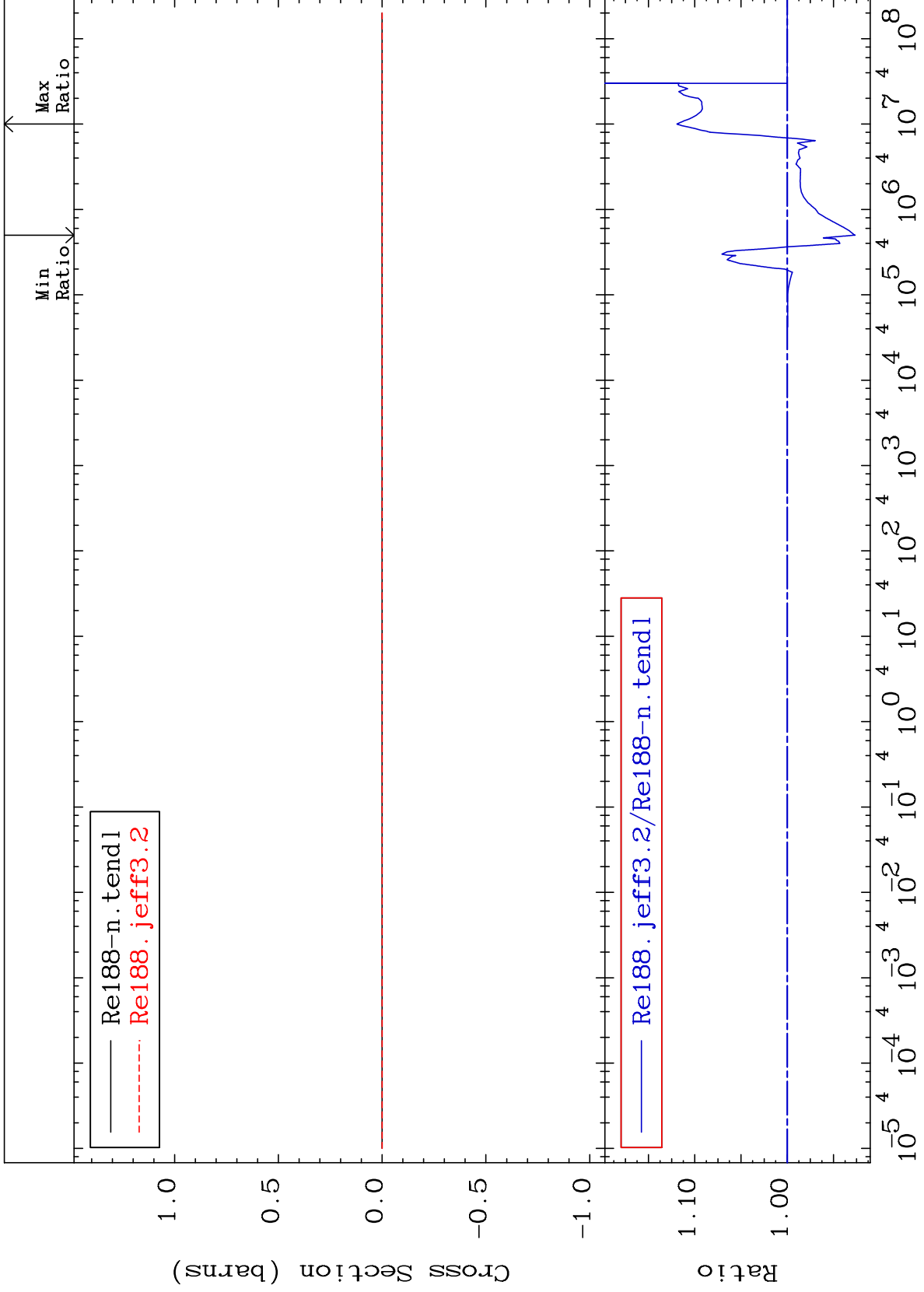


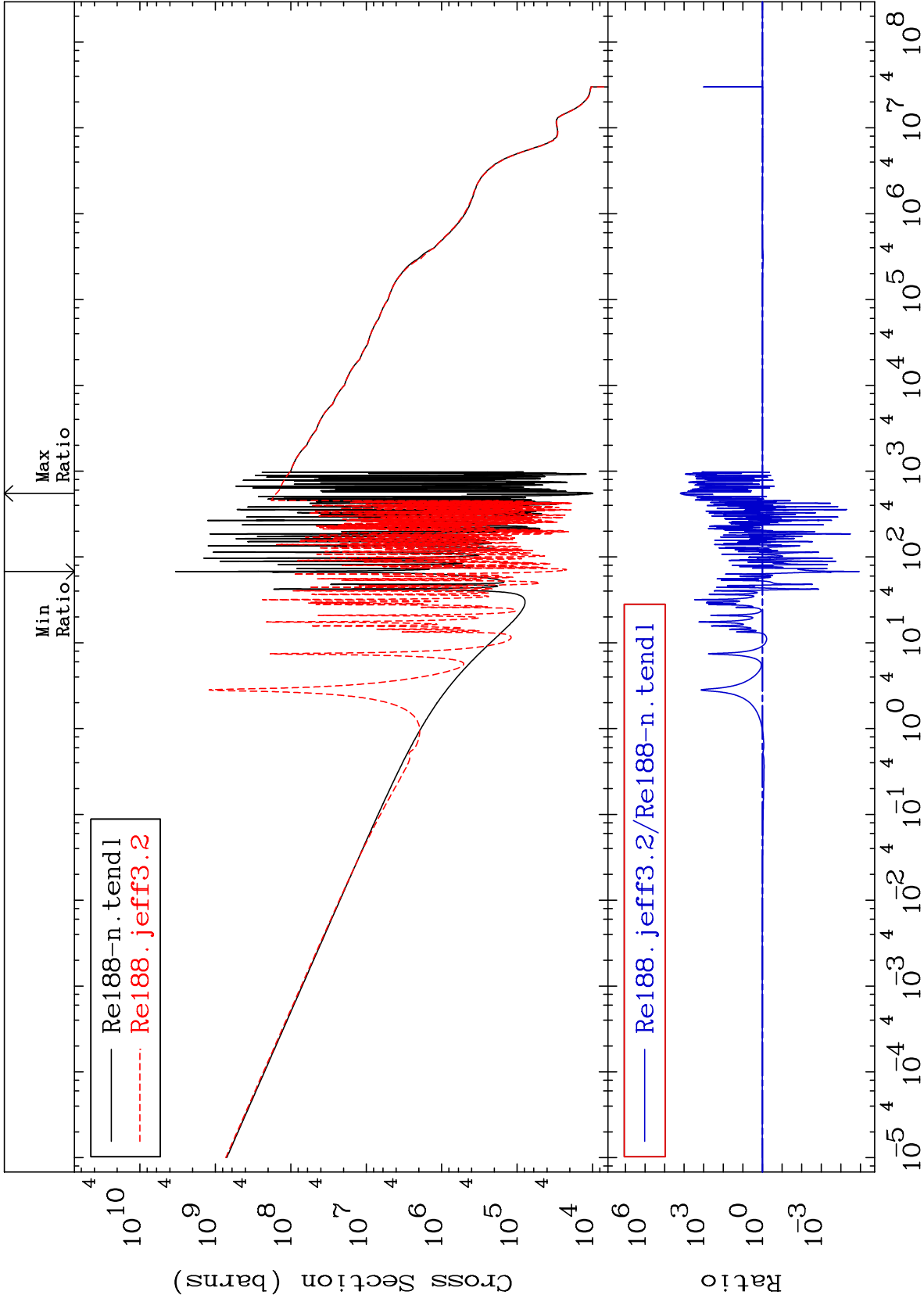


MAT 7534

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

75-Re-188
-7.335 To 11.93 %



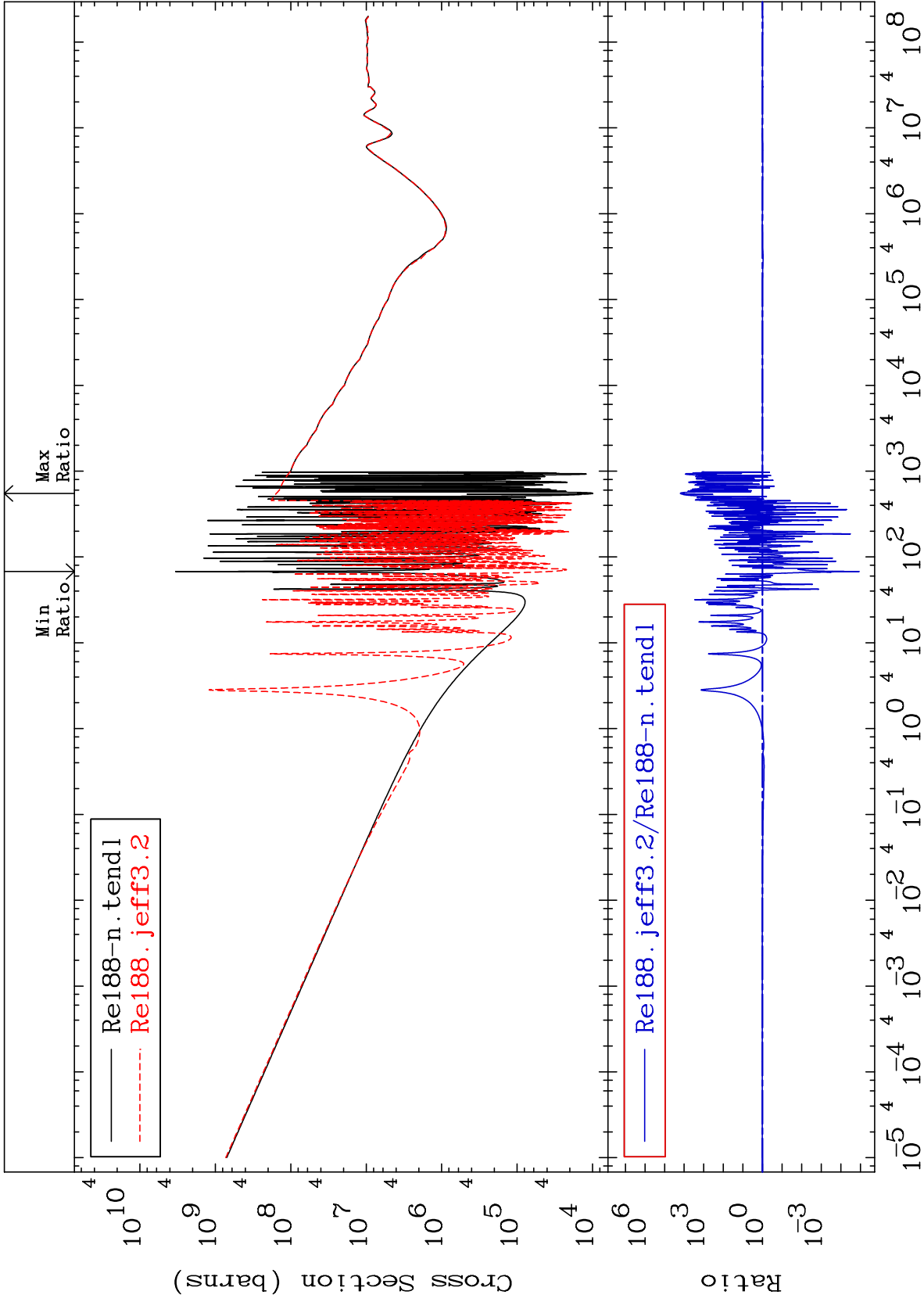


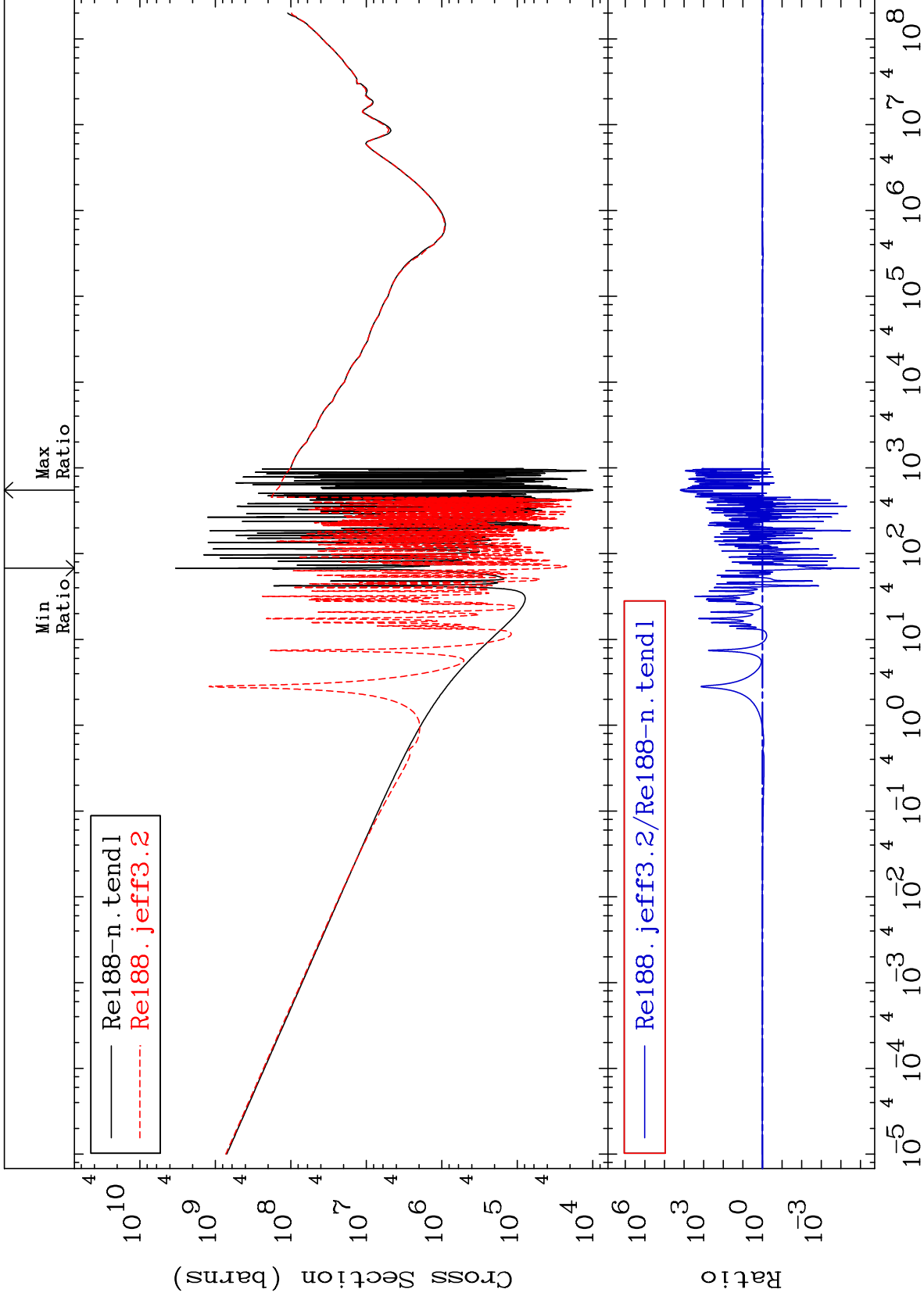
MAT 7534

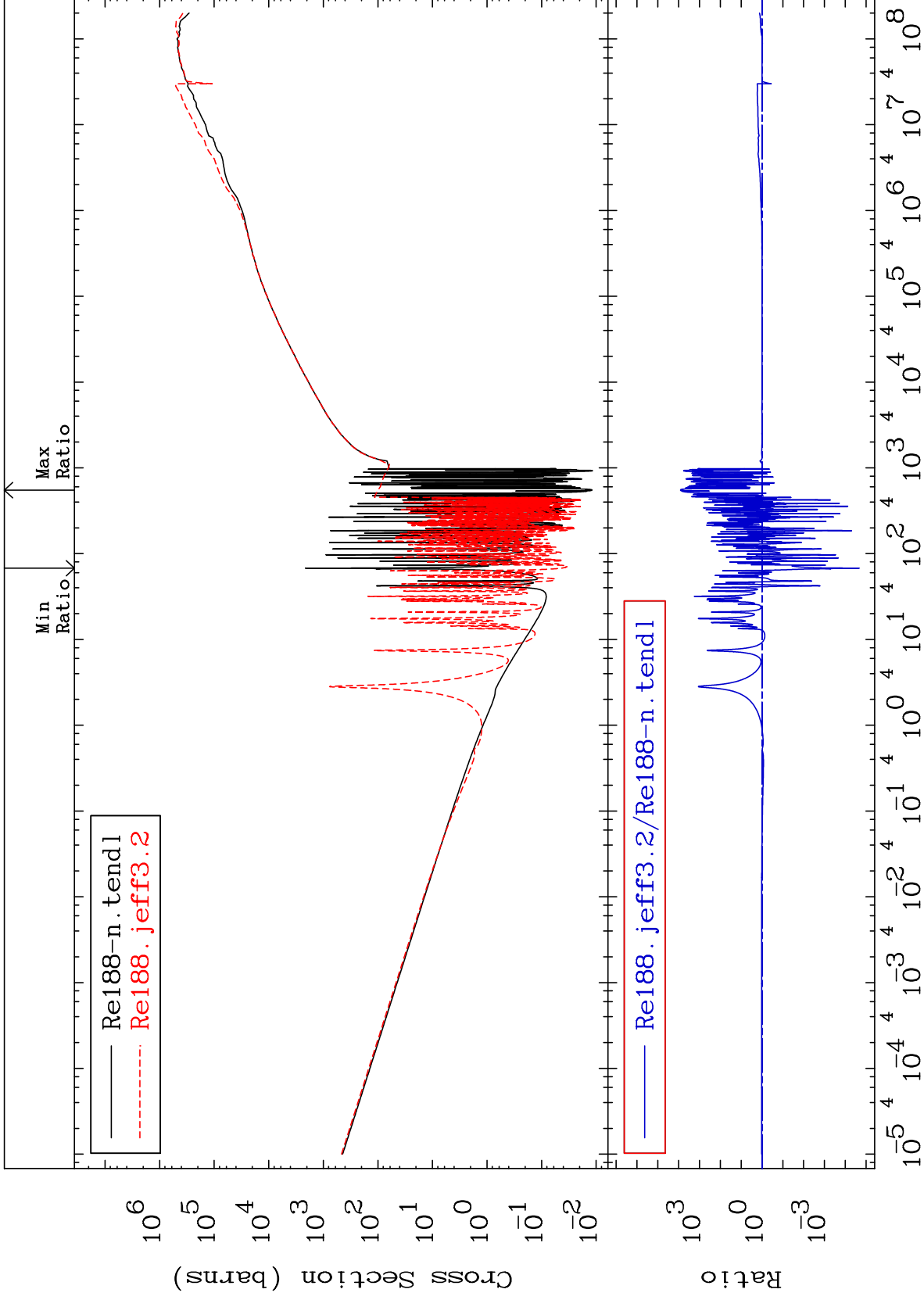
Total photon (eV-barns)

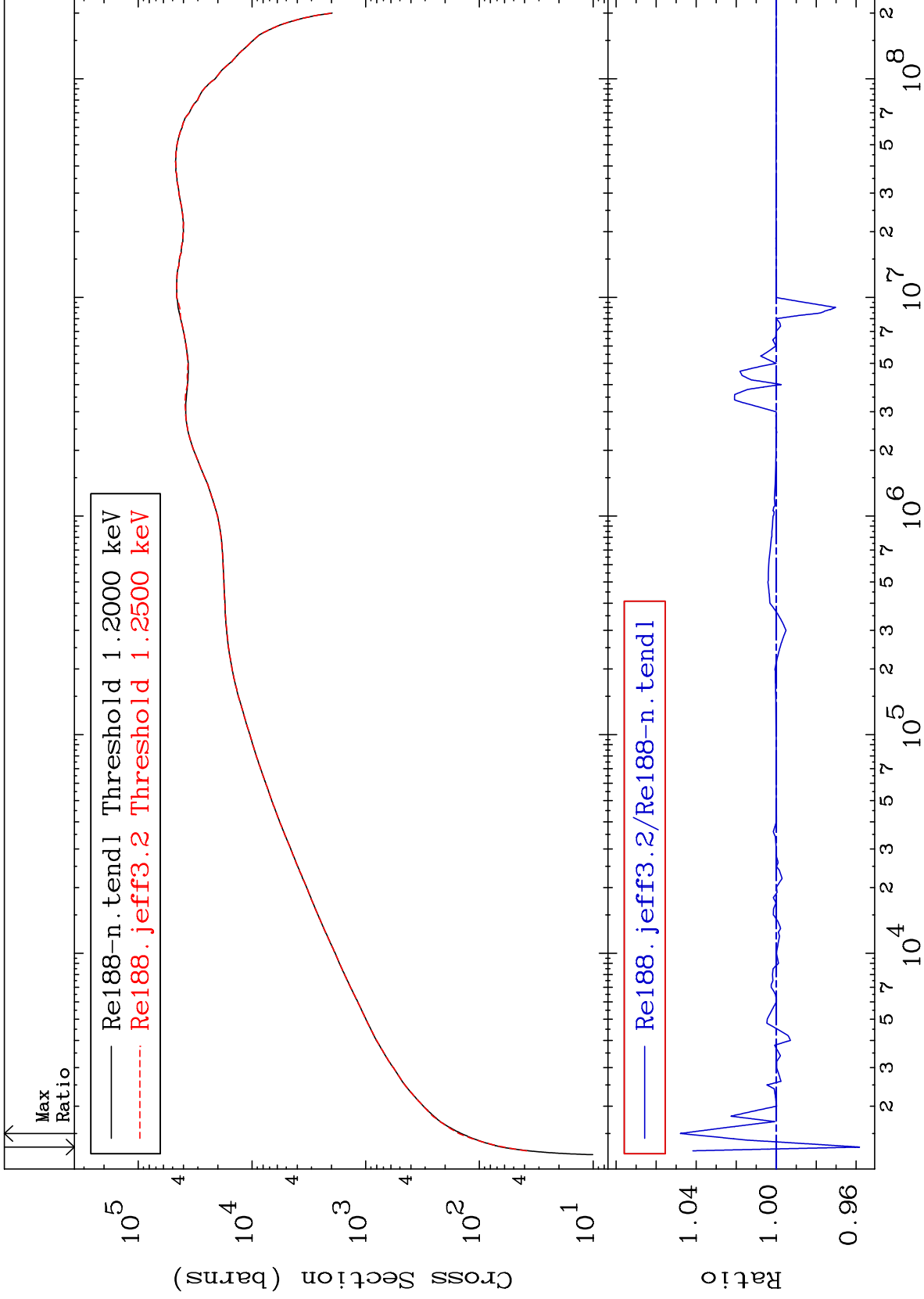
⁷⁵Re-188

-100.0 To 9999. %





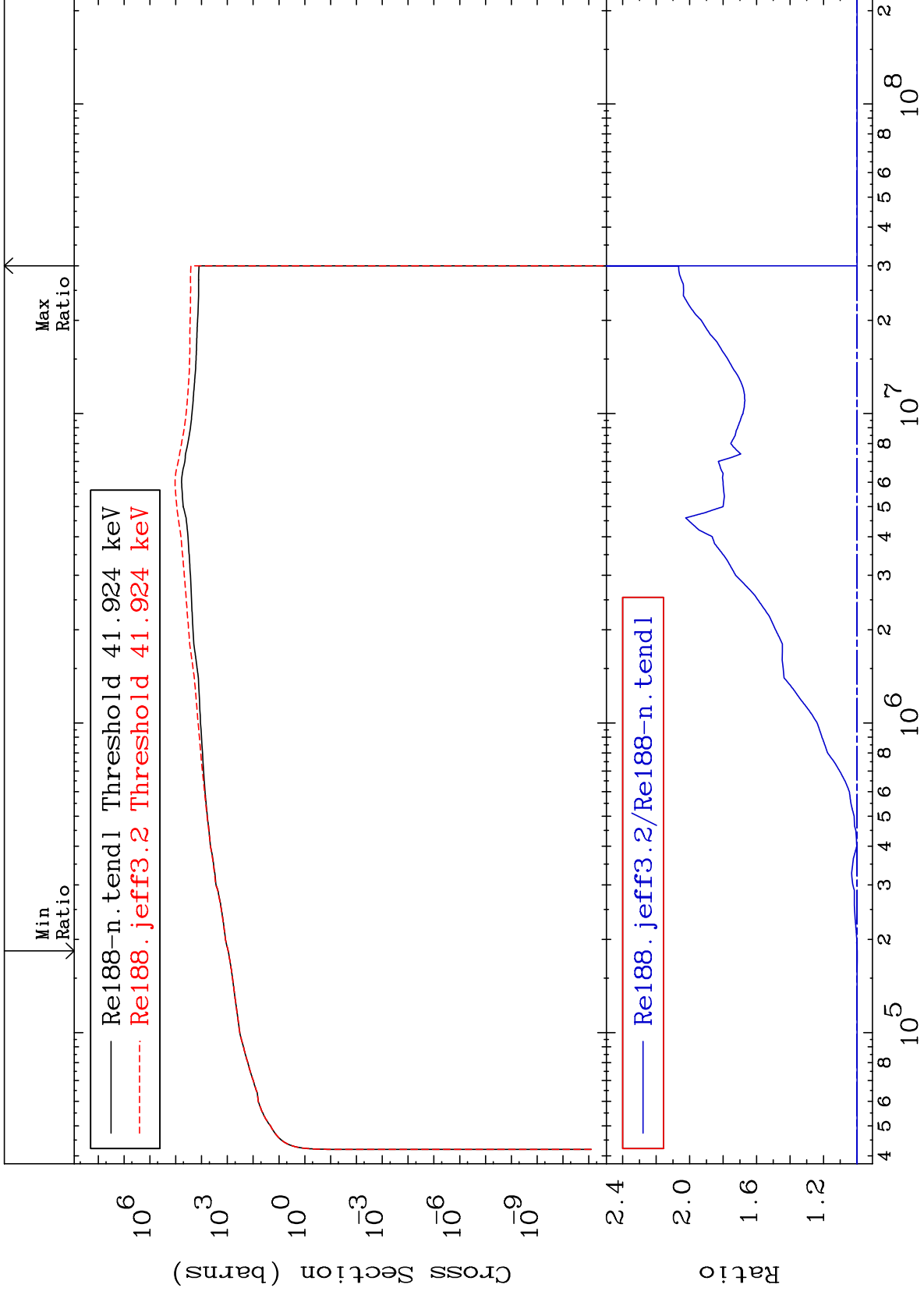




MAT 7534

Dpa inelastic (mt51-91)
Cross Section

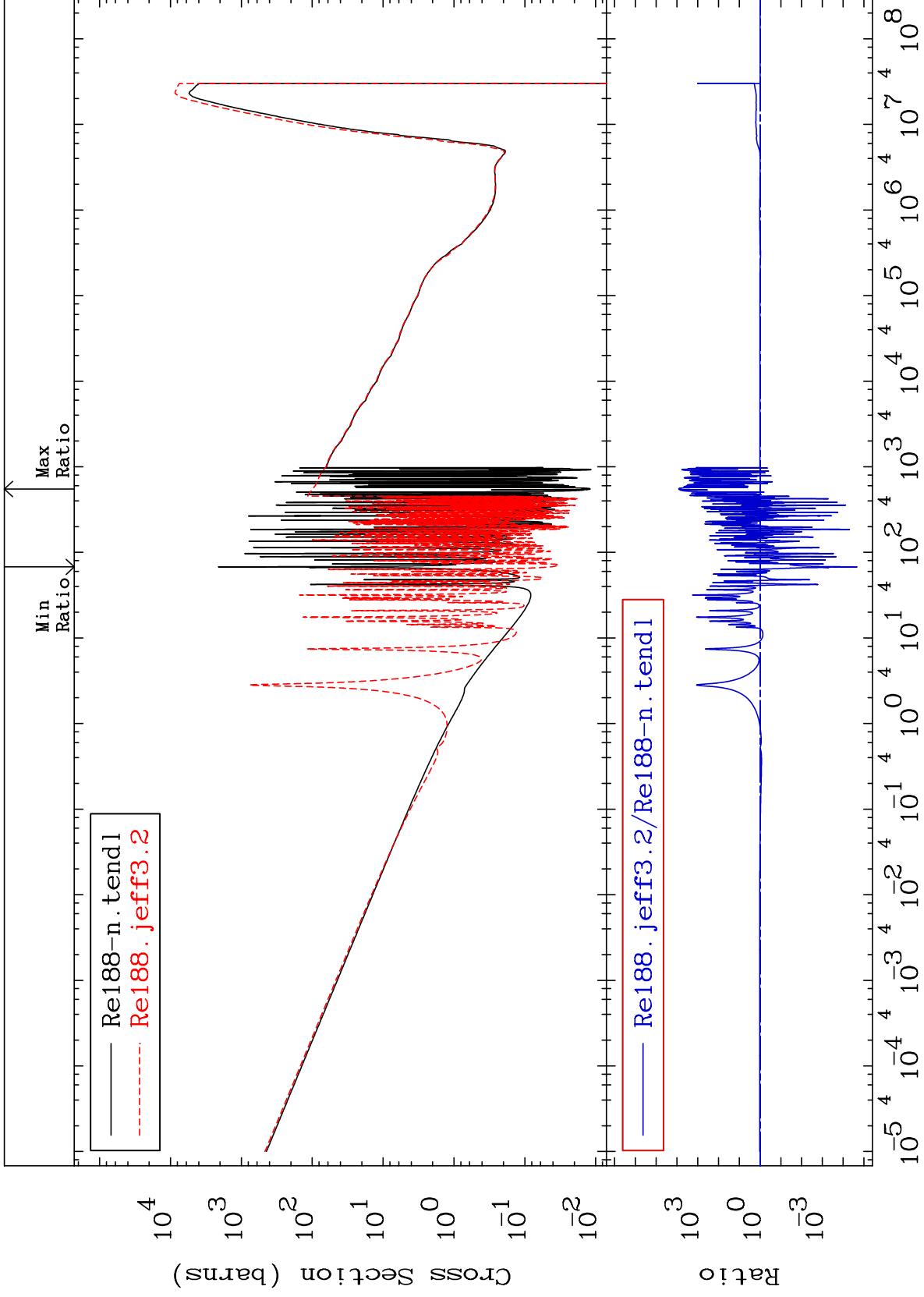
75-Re-188
-0.168 To 106.6 %



73

Incident Energy (eV)

75-Re-188

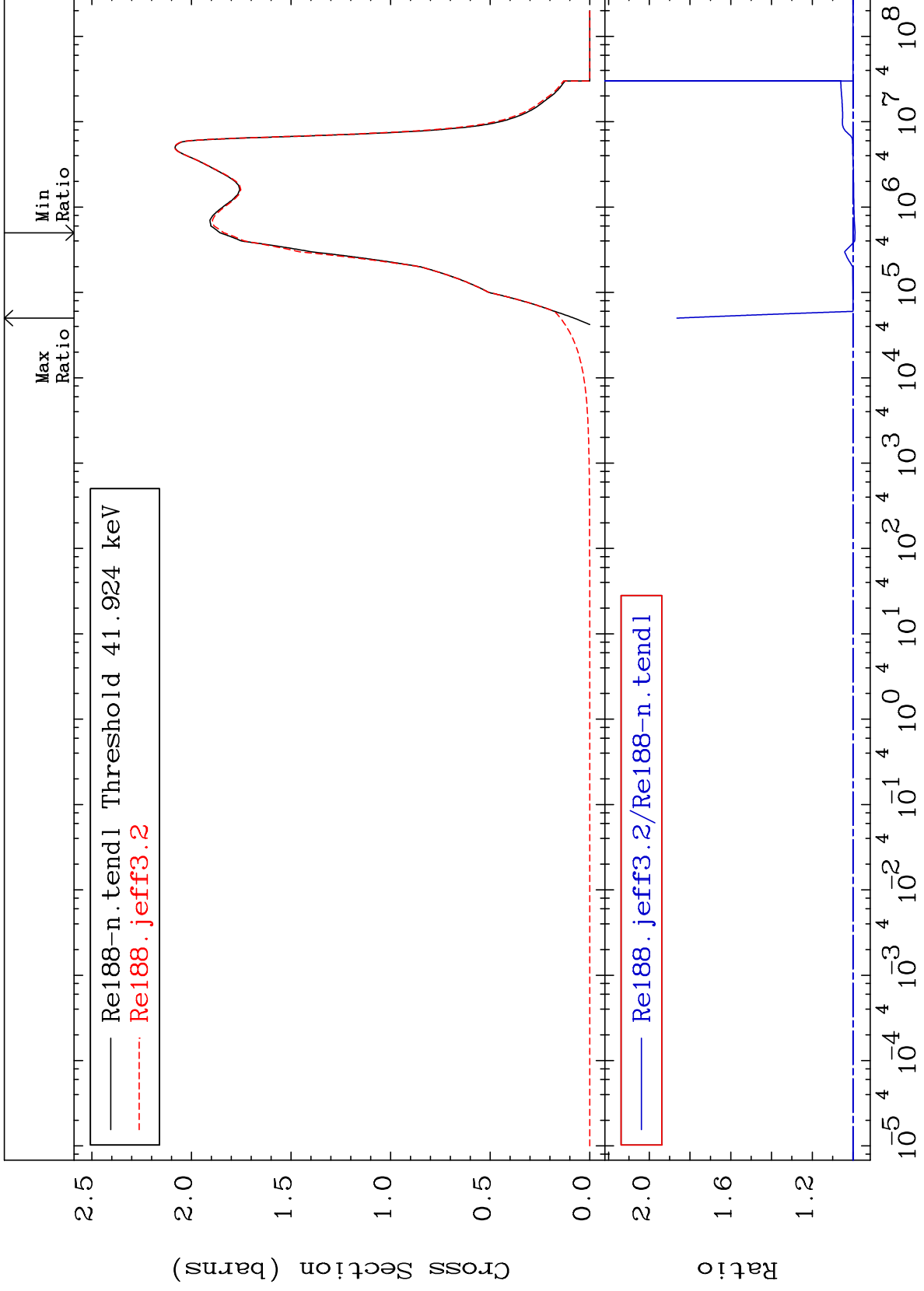


MAT 7534

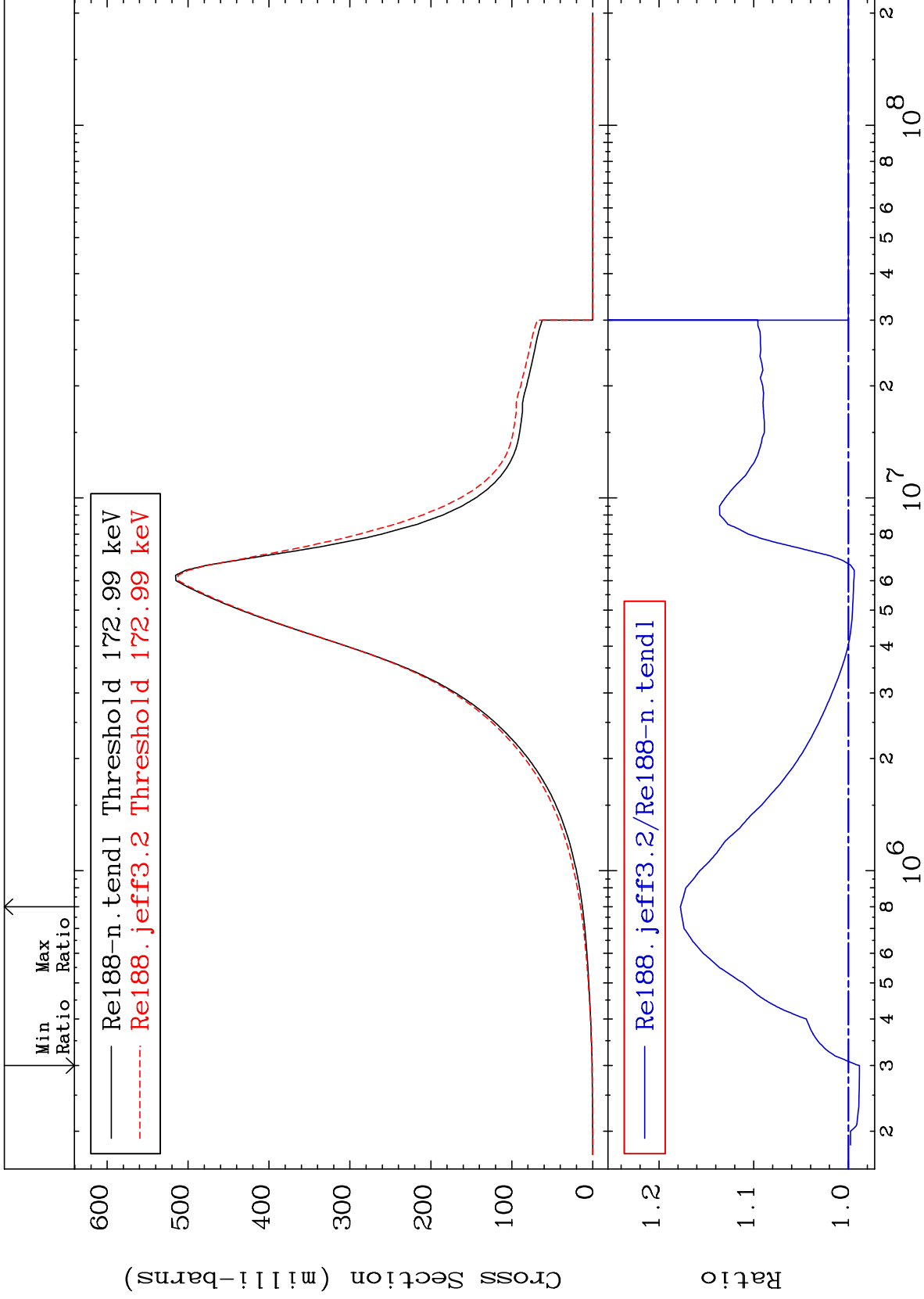
Inelastic: 75-Re-188g

75-Re-188

Radionuclide Production Cross Section -1.030 To 86.44 %



Radionuclide Production Cross Section -1.159 To 17.74 %

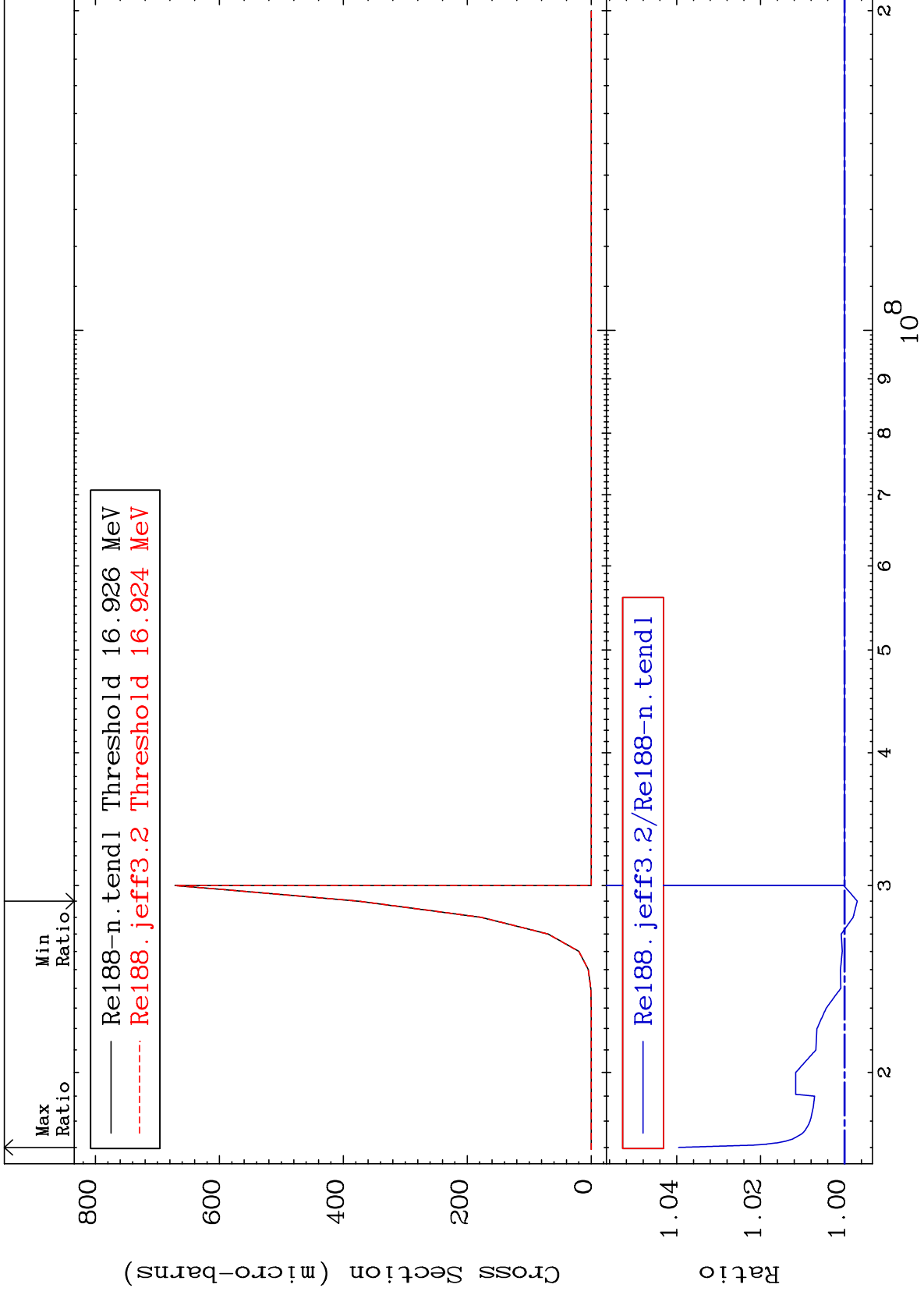


MAT 7534

(n,2n) d:74-W -185g

75-Re-188

Radionuclide Production Cross Section -0.303 To 3.954 %



77

Incident Energy (eV)

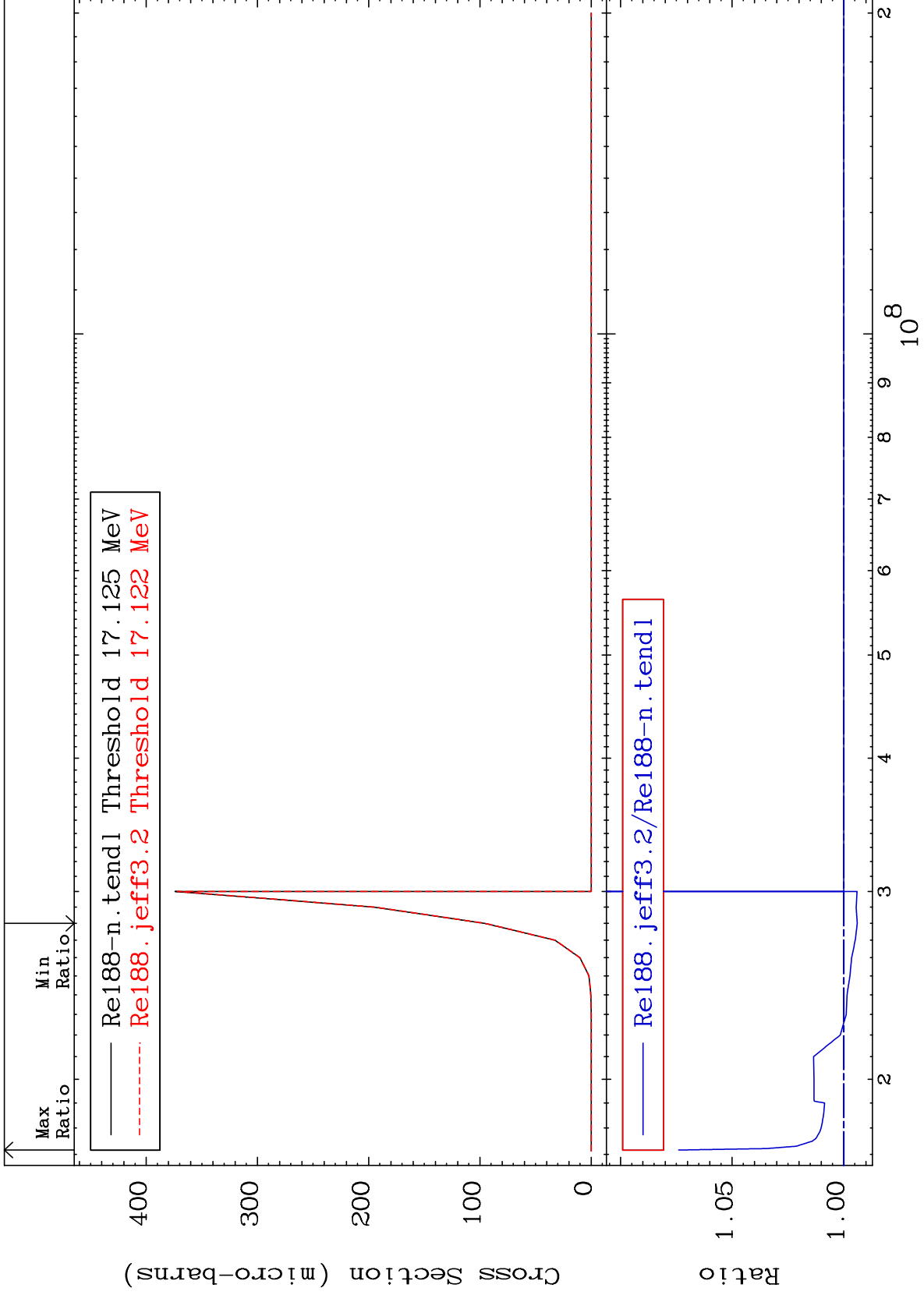
75-Re-188

MAT 7534

(n,2n) d:74-W -185m6

75-Re-188

Radionuclide Production Cross Section -0.609 To 7.398 %

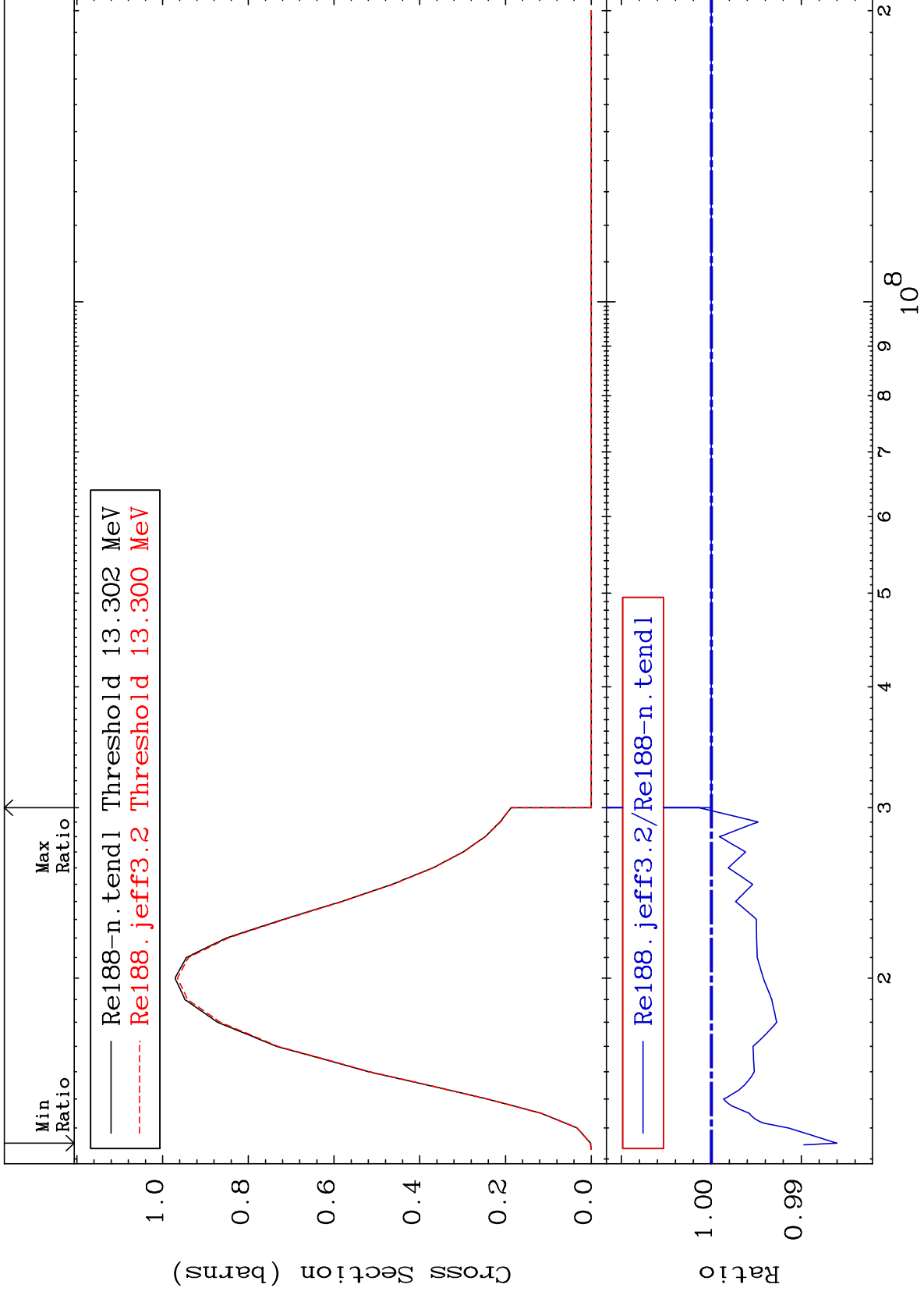


78

Incident Energy (eV)

75-Re-188

Radionuclide Production Cross Section -1.396 To 0.136 %

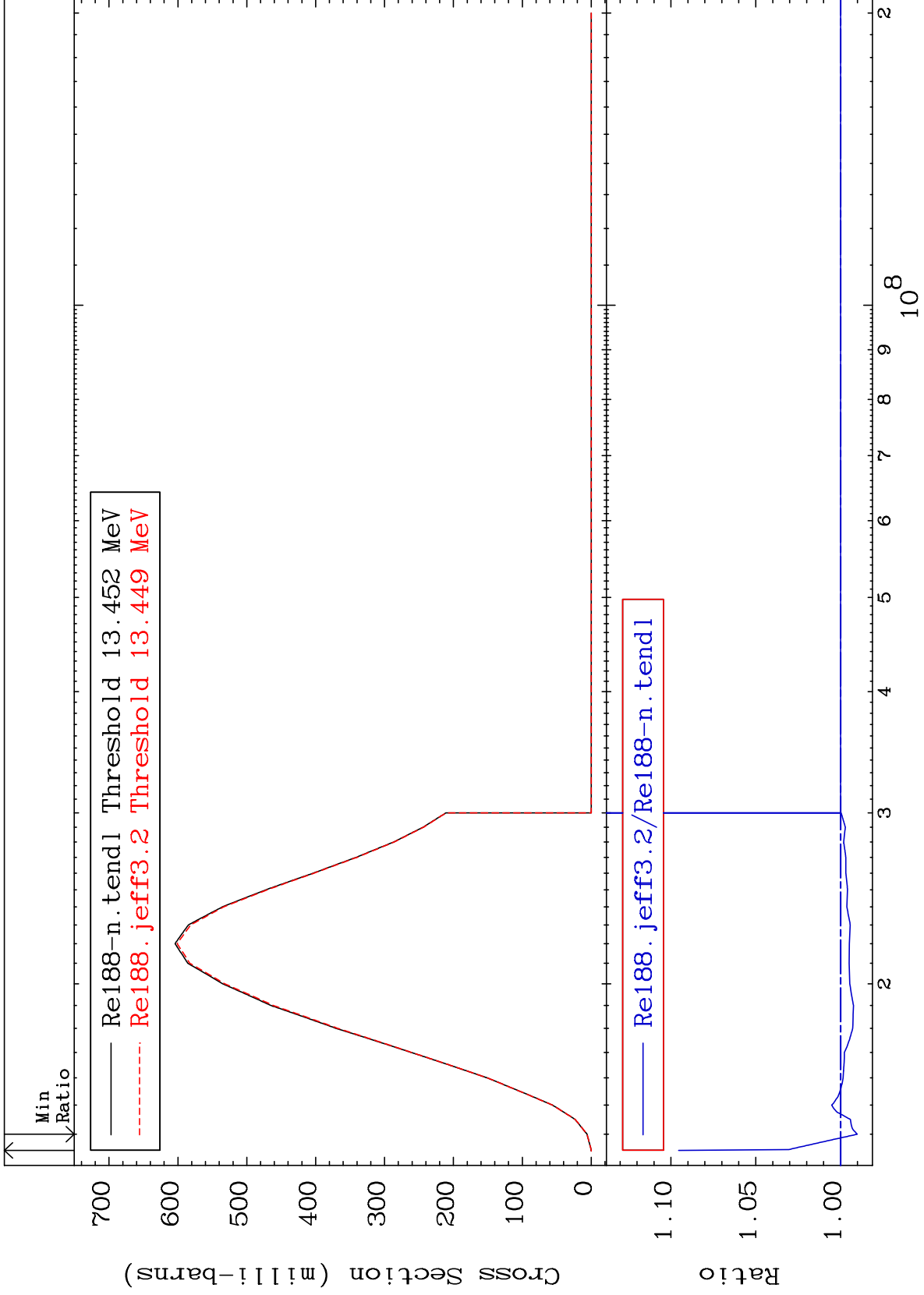


MAT 7534

(n, 3n) : 75-Re-186m4

75-Re-188

Radionuclide Production Cross Section -0.985 To 9.547 %



80

Incident Energy (eV)

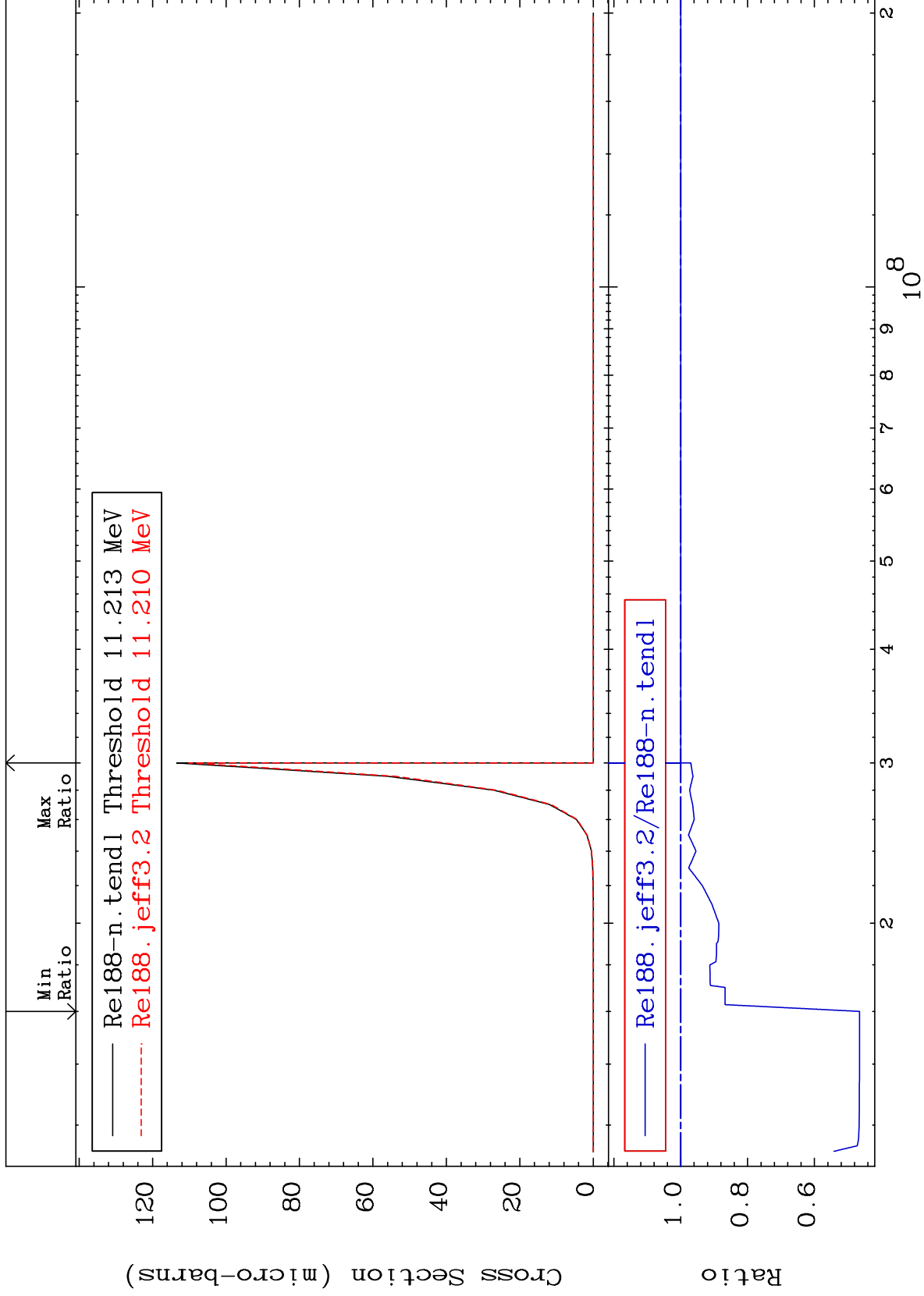
75-Re-188

MAT 7534

(n,3n) α : 73-Ta-182g

75-Re-188

Radionuclide Production Cross Section -53.49 To 0.000 %

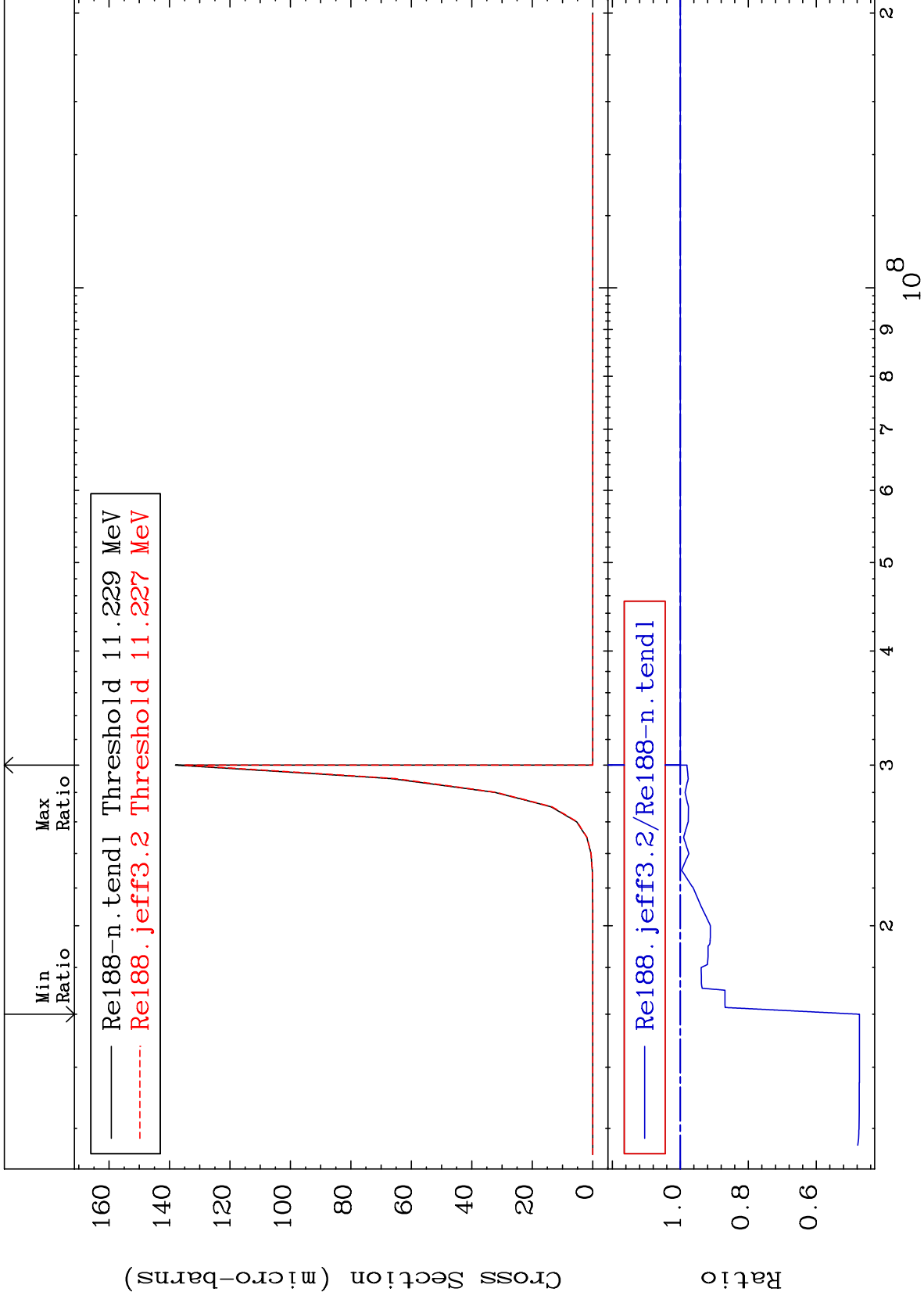


MAT 7534

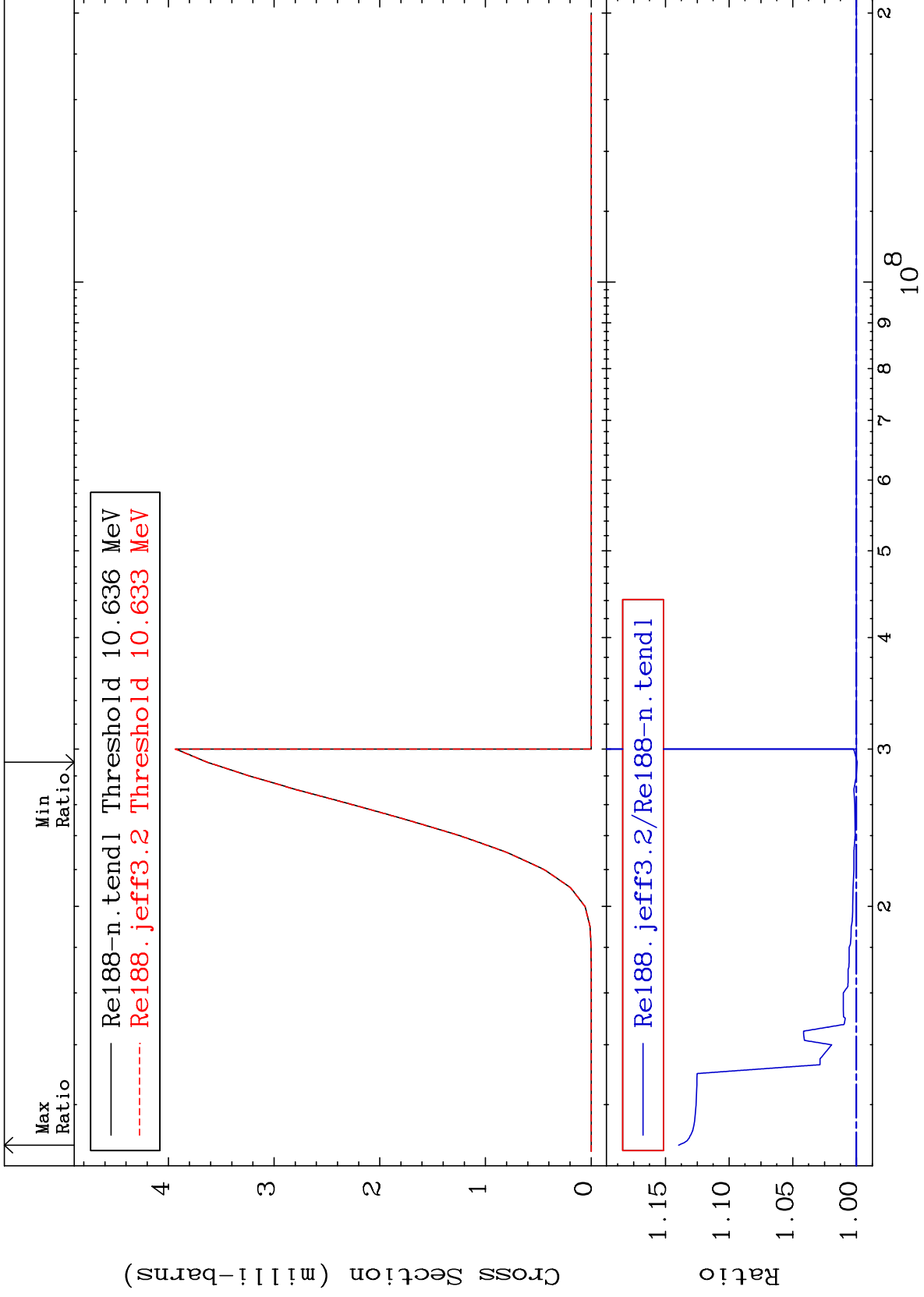
(n, 3n) α : 73-Ta-182m1

75-Re-188

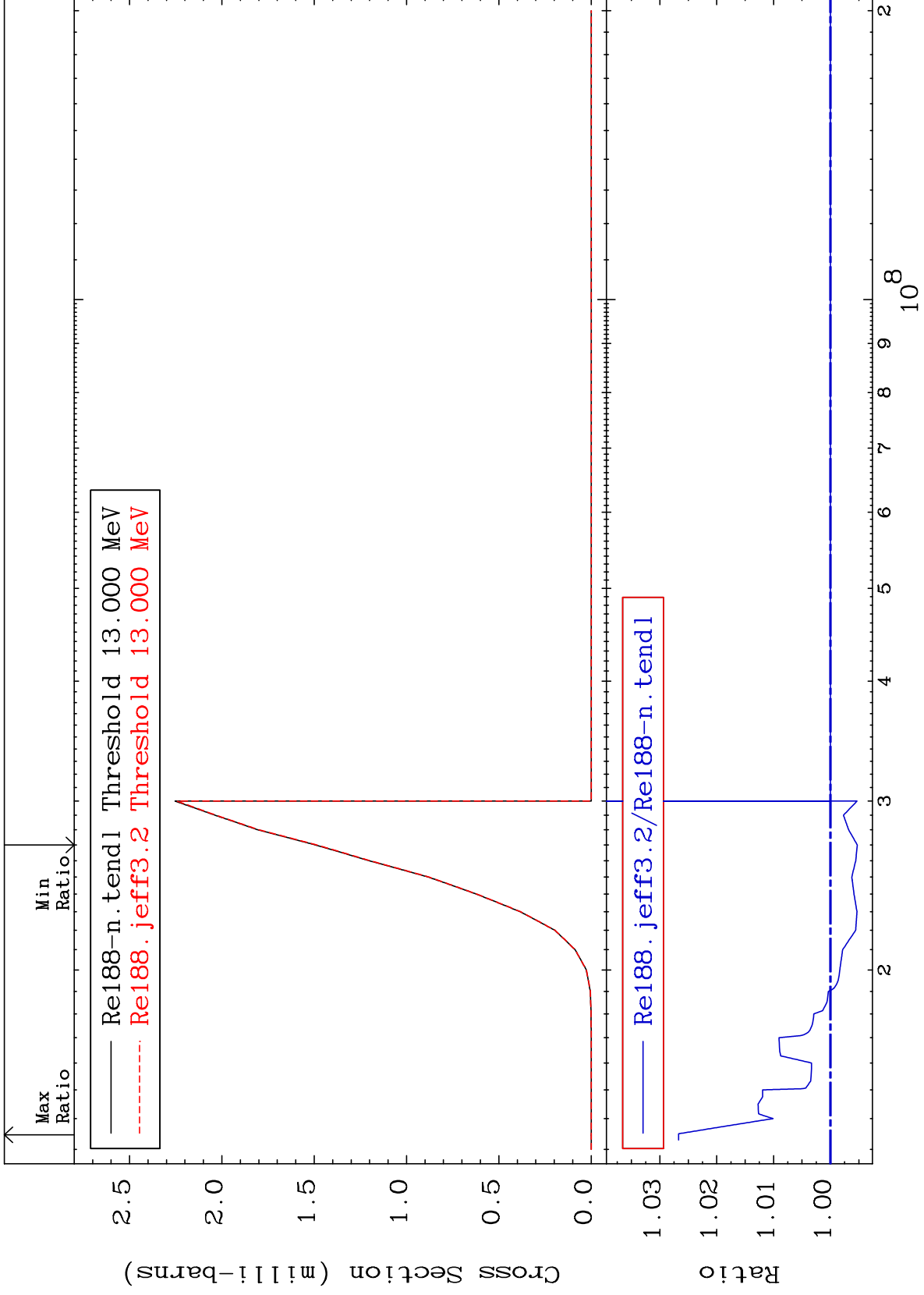
Radionuclide Production Cross Section -52.68 To 0.000 %



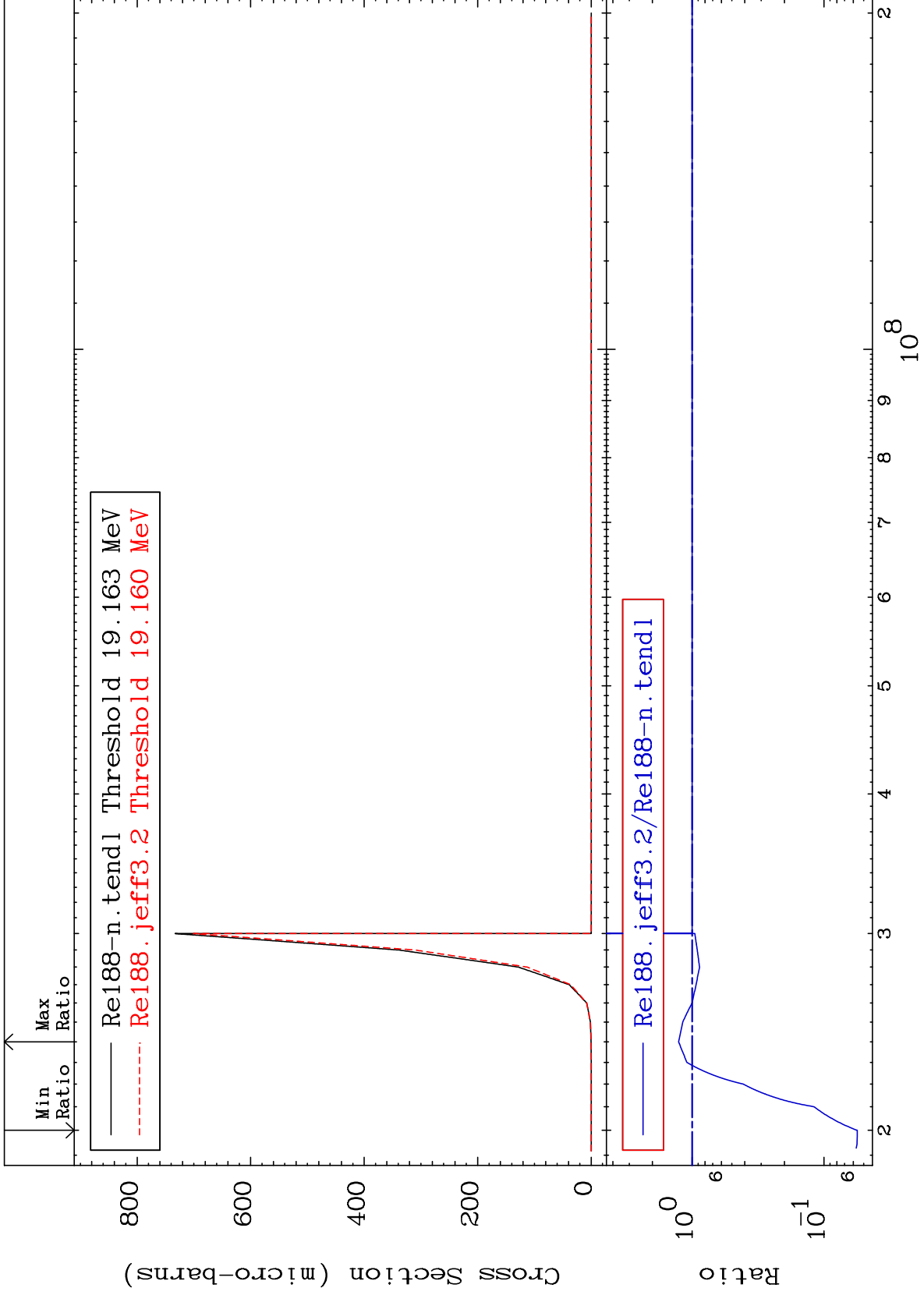
Radionuclide Production Cross Section -0.073 To 13.96 %



Radionuclide Production Cross Section -0.472 To 2.670 %



Radionuclide Production Cross Section -94.40 To 26.67 %



Radionuclide Production Cross Section -94.39 To 26.05 %

