

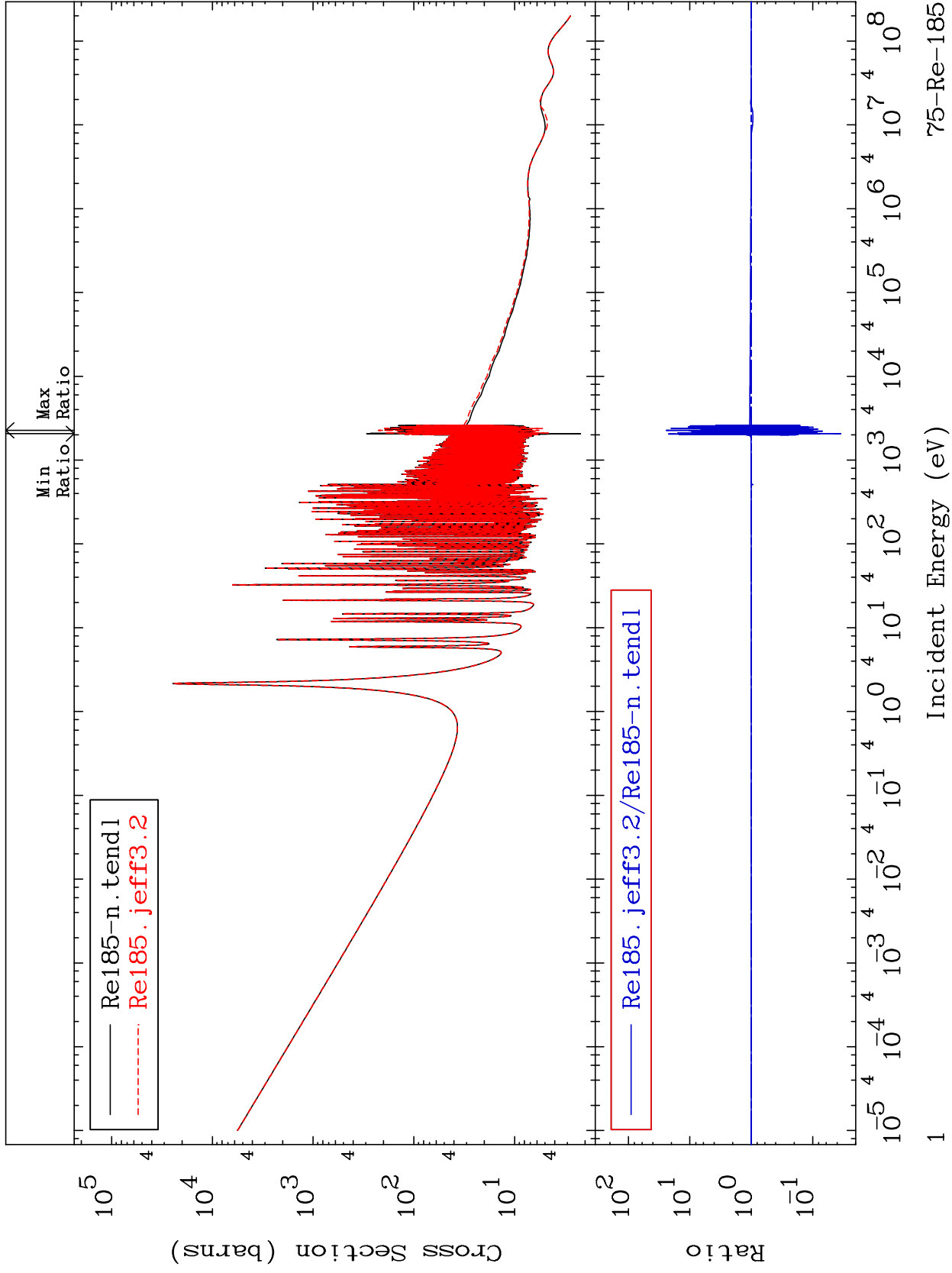
MAT 7525

Total

75-Re-185

Cross Section

-96.53 To 2347. %



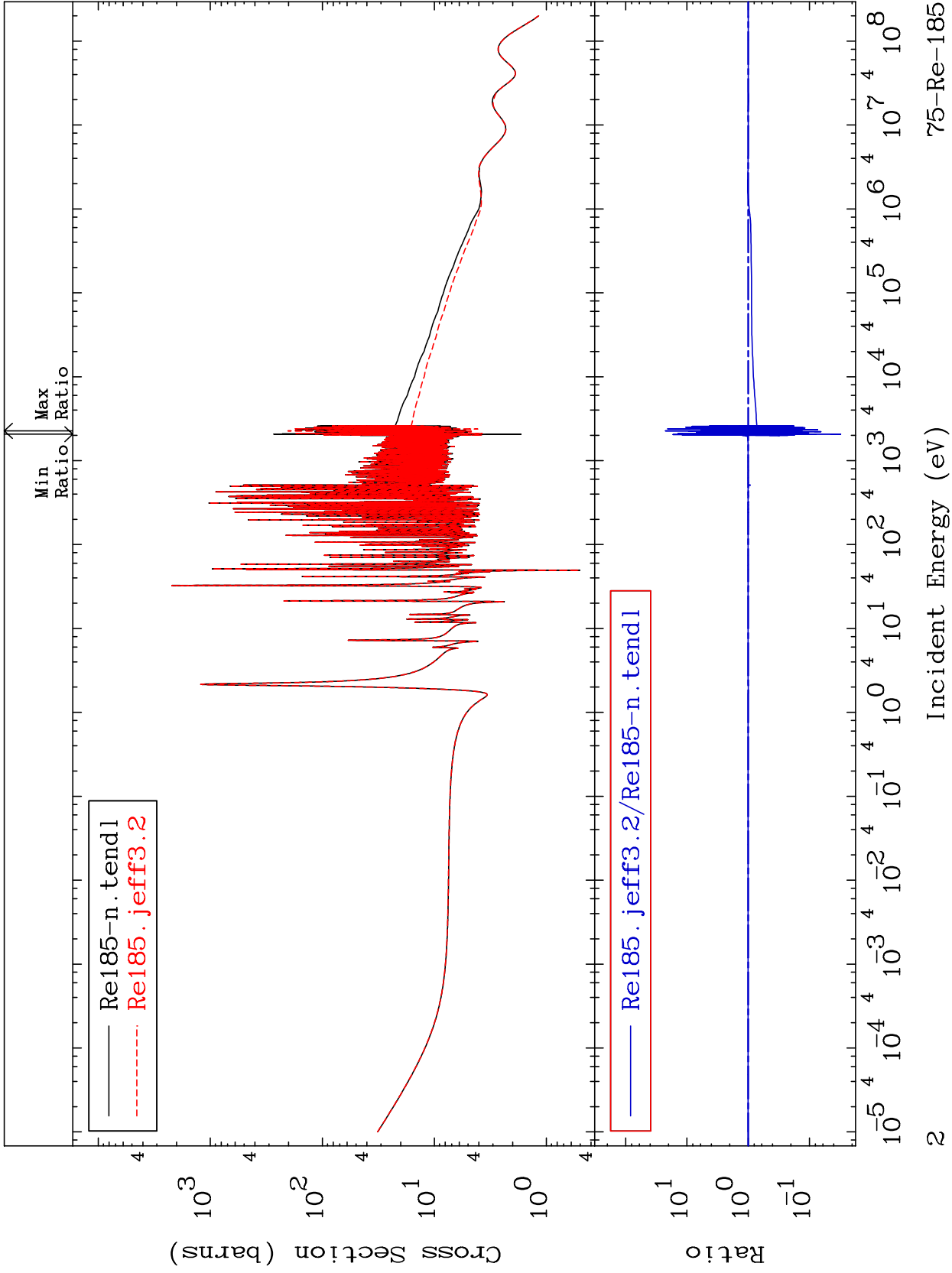
Incident Energy (eV)

75-Re-185

MAT 7525

Elastic  
Cross Section

75-Re-185  
-96.92 To 2141. %



2

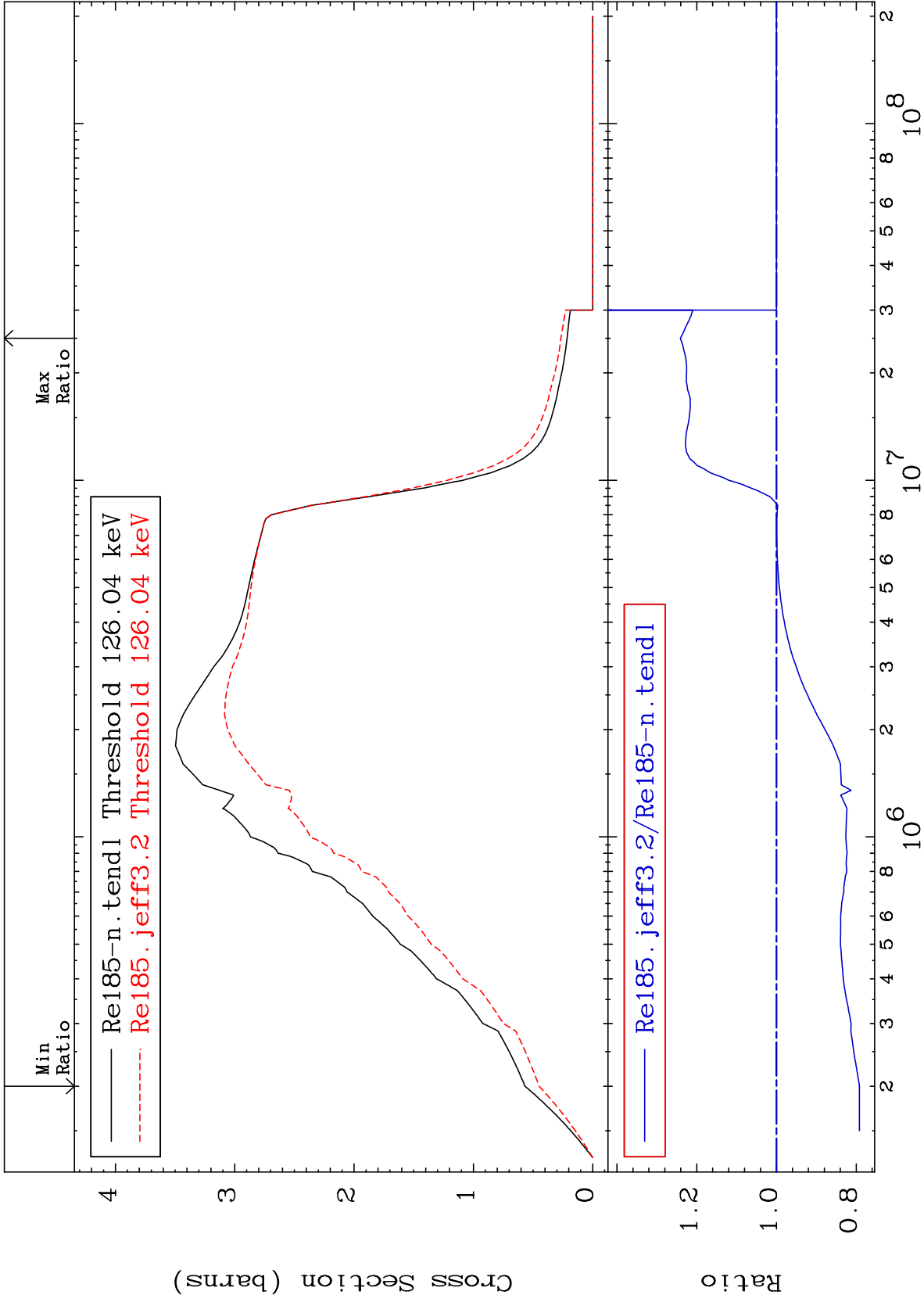
Incident Energy (eV)

75-Re-185

MAT 7525

Inelastic  
Cross Section

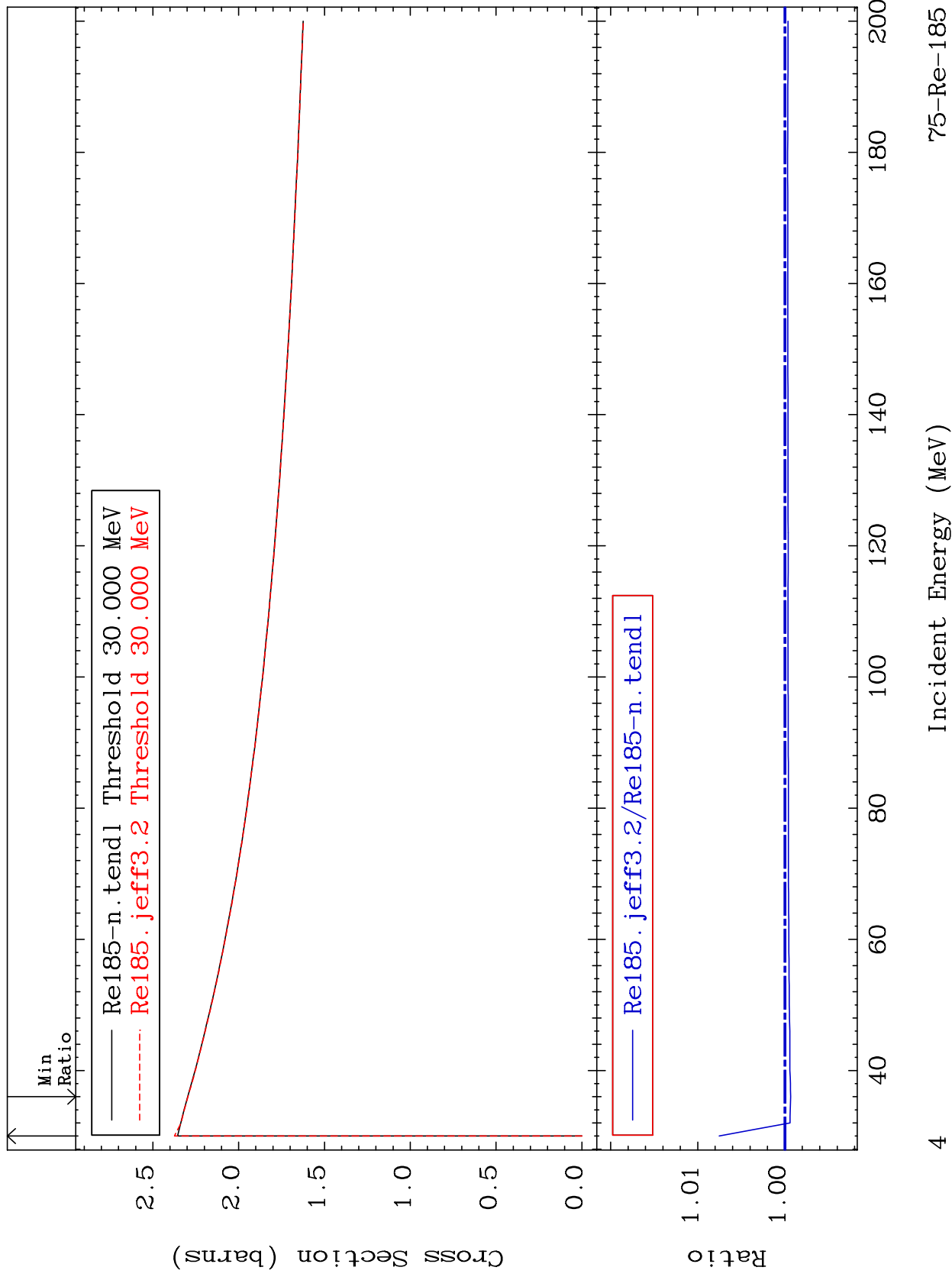
75-Re-185  
-20.79 To 24.10 %



MAT 7525

(n, remainder)  
Cross Section

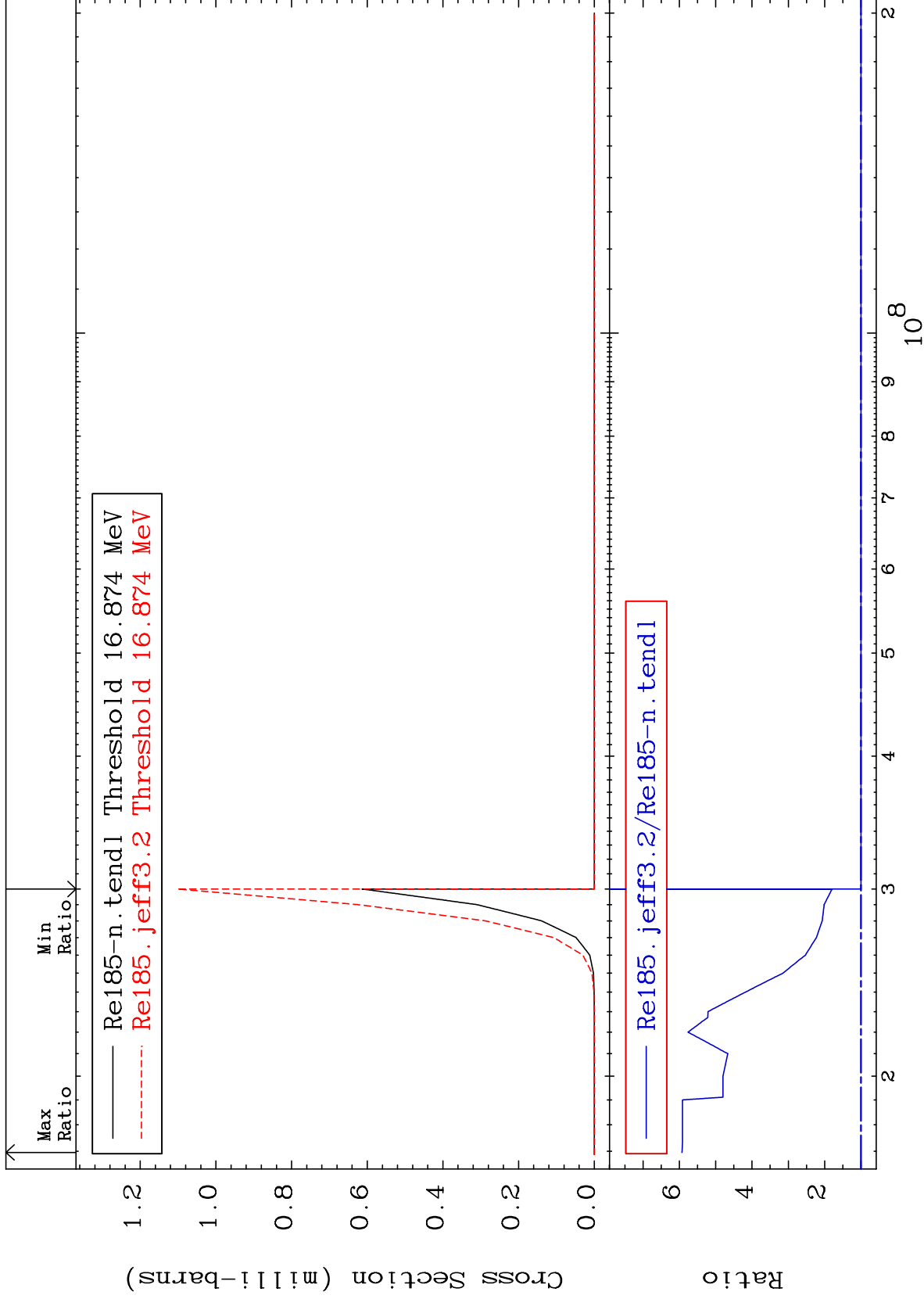
<sup>75</sup>Re-<sup>185</sup>Re  
-0.066 To 0.754 %



MAT 7525

(n,2n) d  
Cross Section

<sup>75</sup>Re-<sup>185</sup>Re  
To 492.9 %  
0.000



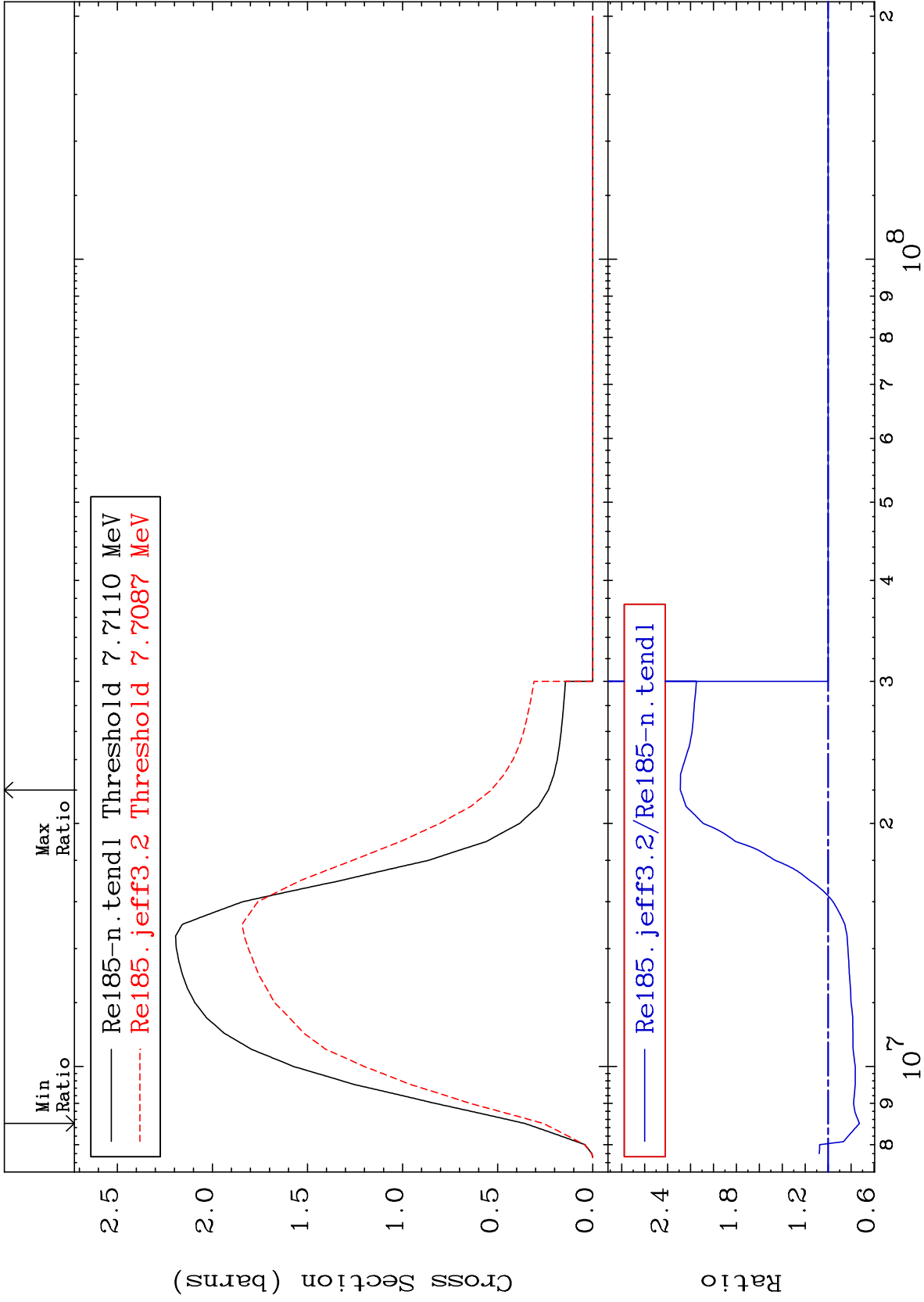
MAT 7525

(n,2n)

<sup>75</sup>Re-<sup>185</sup>

Cross Section

-27.32 To 128.9 %



6

Incident Energy (eV)

<sup>75</sup>Re-<sup>185</sup>

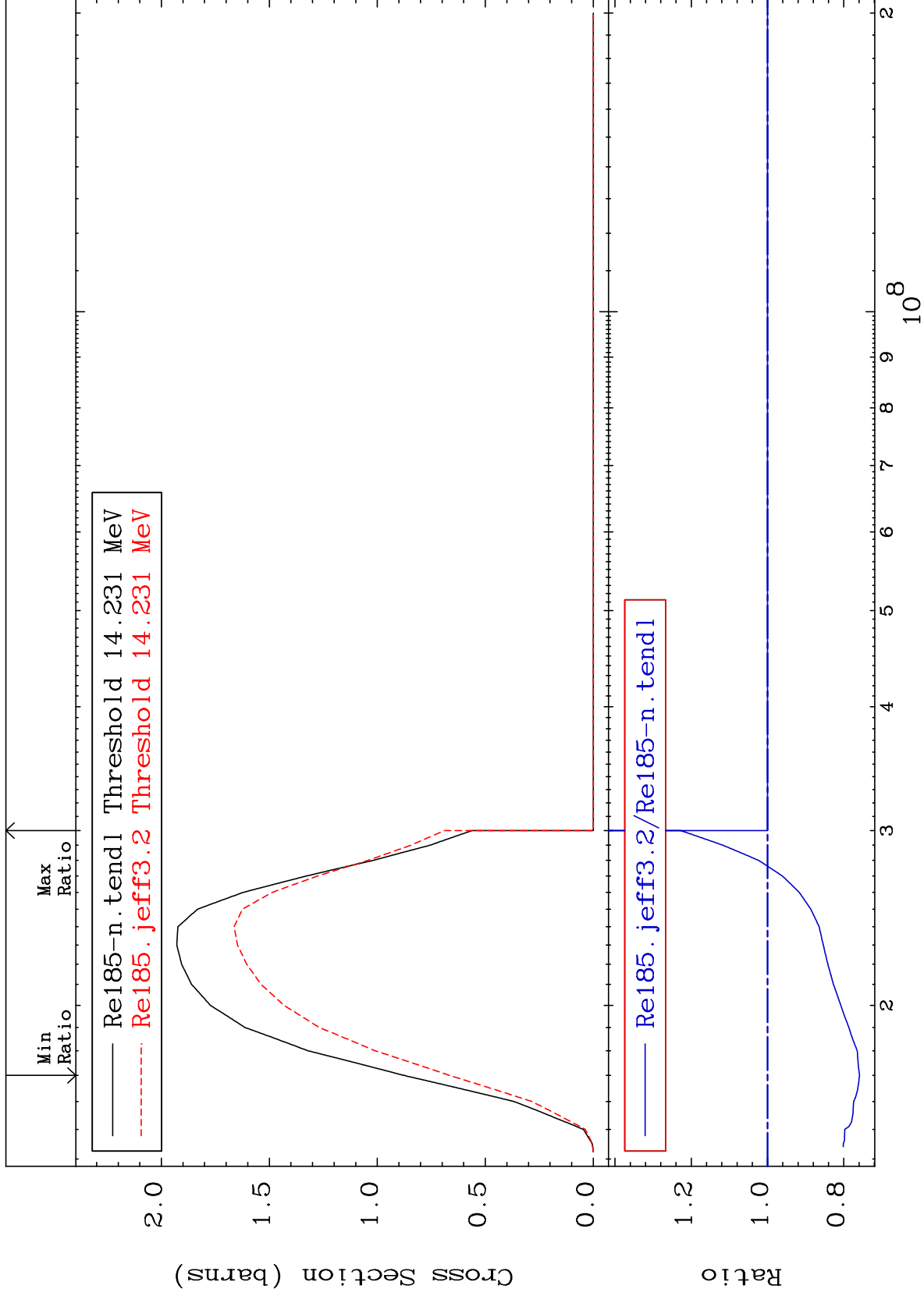
MAT 7525

(n,3n)

<sup>75</sup>Re-185

Cross Section

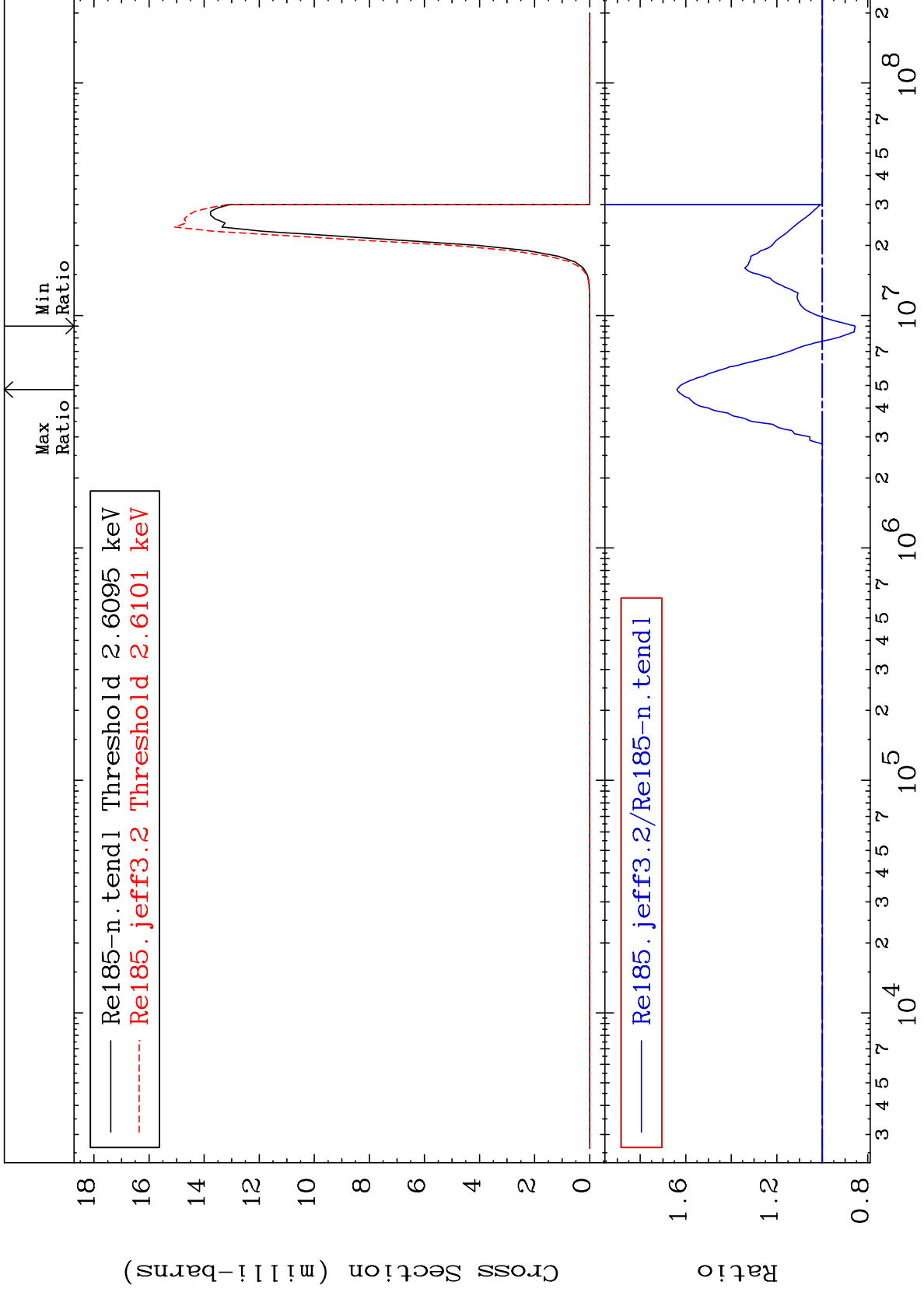
-24.12 To 22.75 %



MAT 7525

$(n, n') \alpha$   
Cross Section

75-Re-185  
-14.40 To 63.86 %

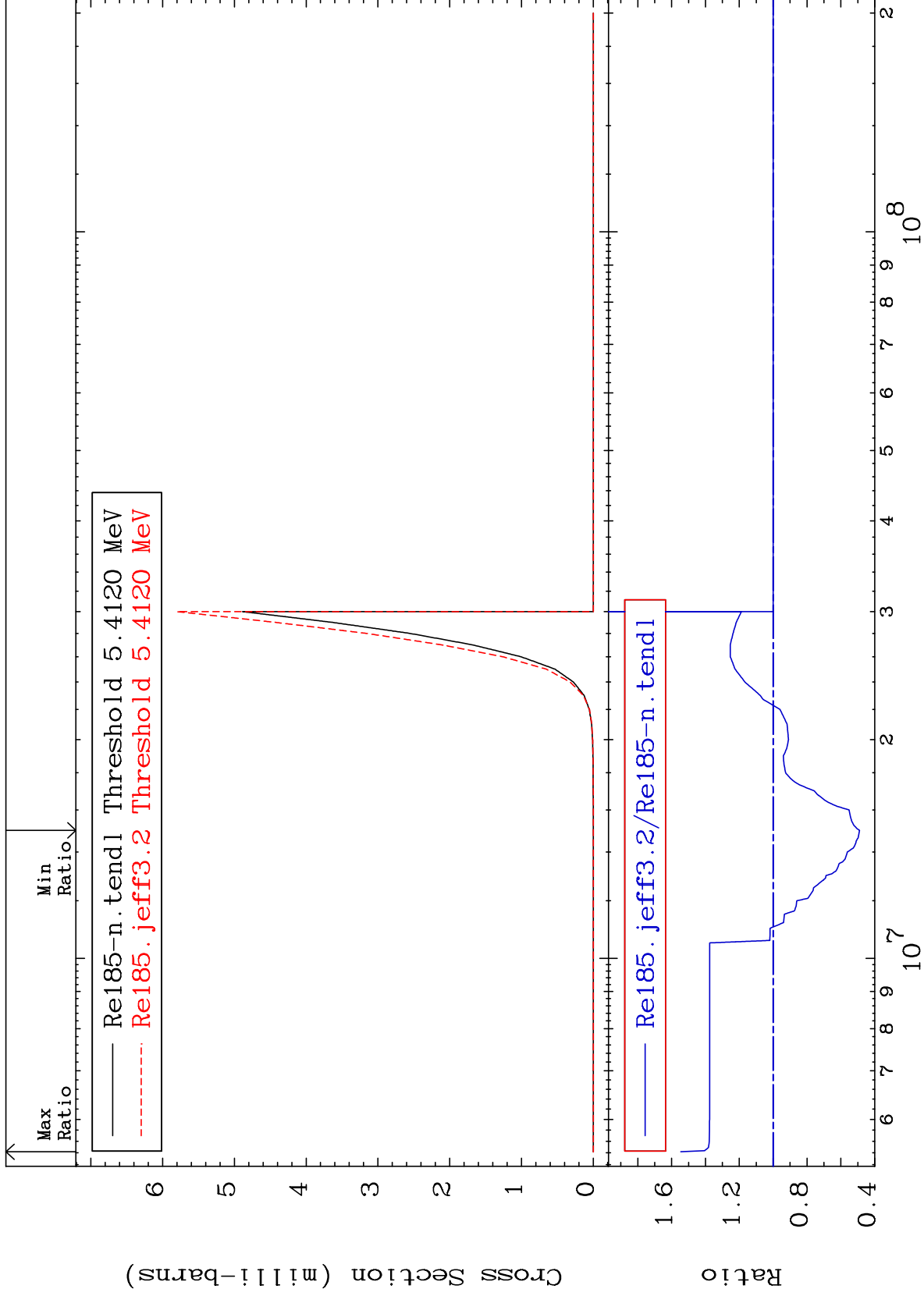




MAT 7525

(n,2n)  $\alpha$   
Cross Section

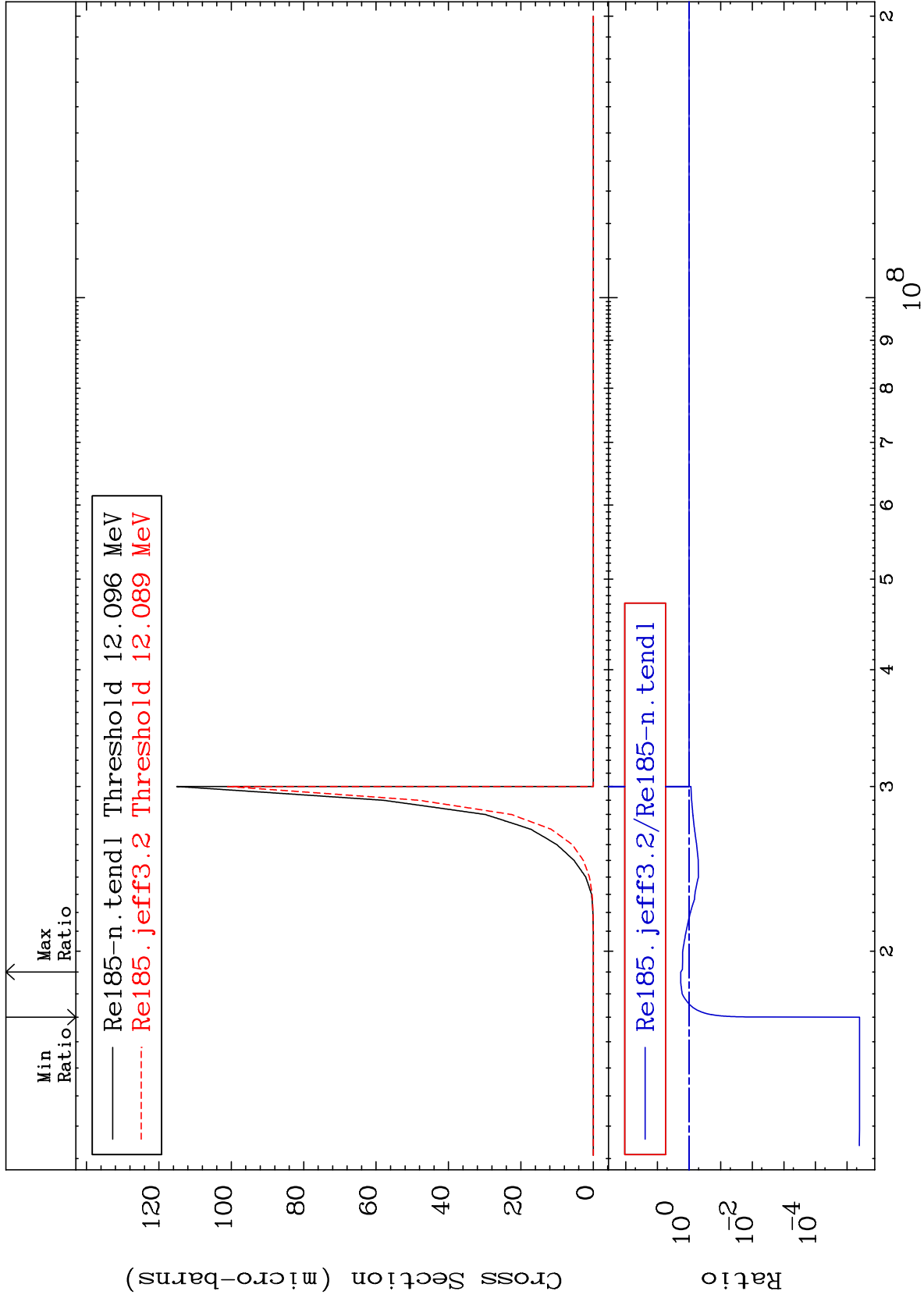
<sup>75</sup>Re-<sup>185</sup>Re  
-51.04 To 54.59 %



MAT 7525

(n,3n)  $\alpha$   
Cross Section

<sup>75</sup>Re-<sup>185</sup>Re  
-100.0 To 83.00 %



10

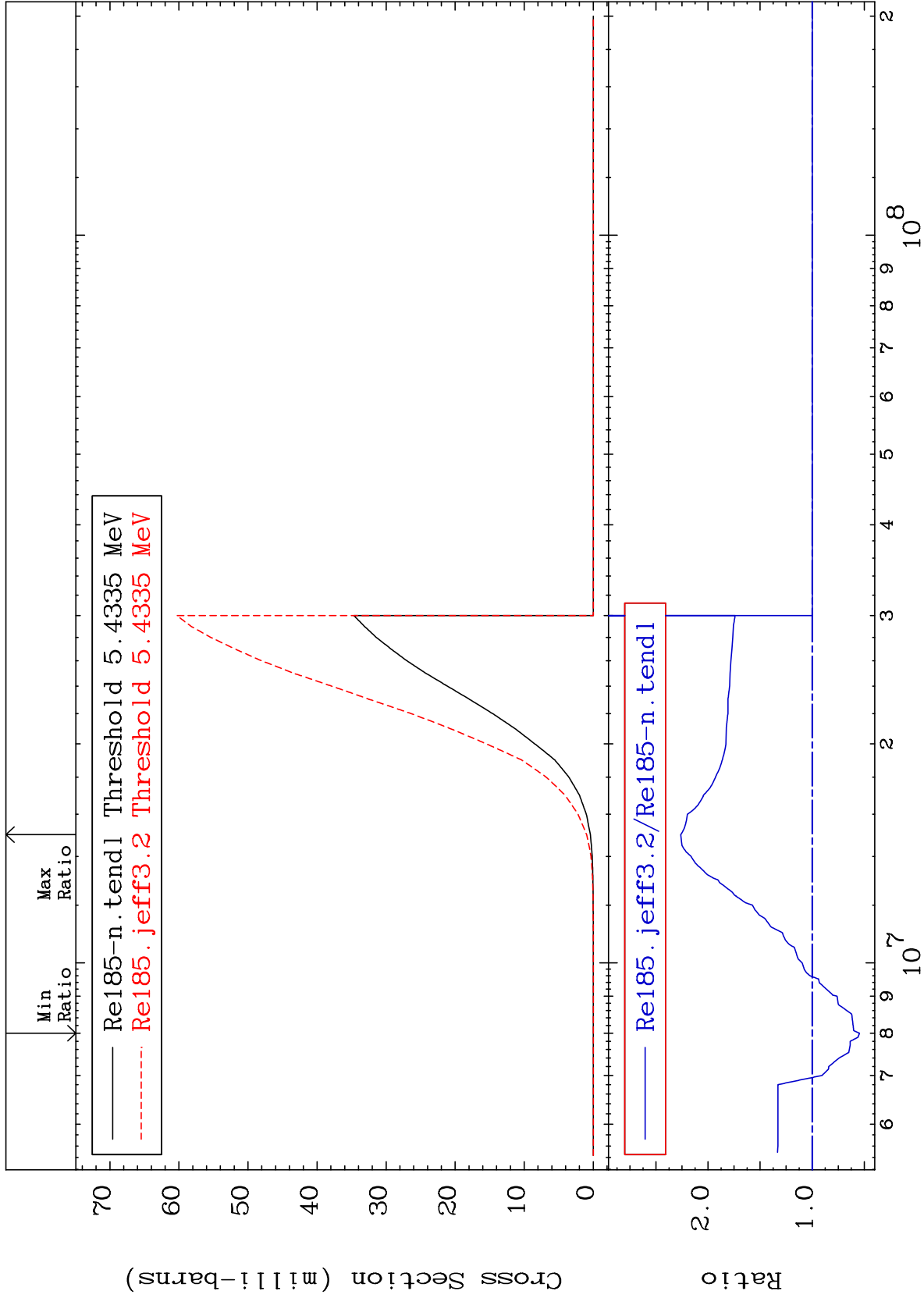
Incident Energy (eV)

<sup>75</sup>Re-<sup>185</sup>Re

MAT 7525

(n, n') p  
Cross Section

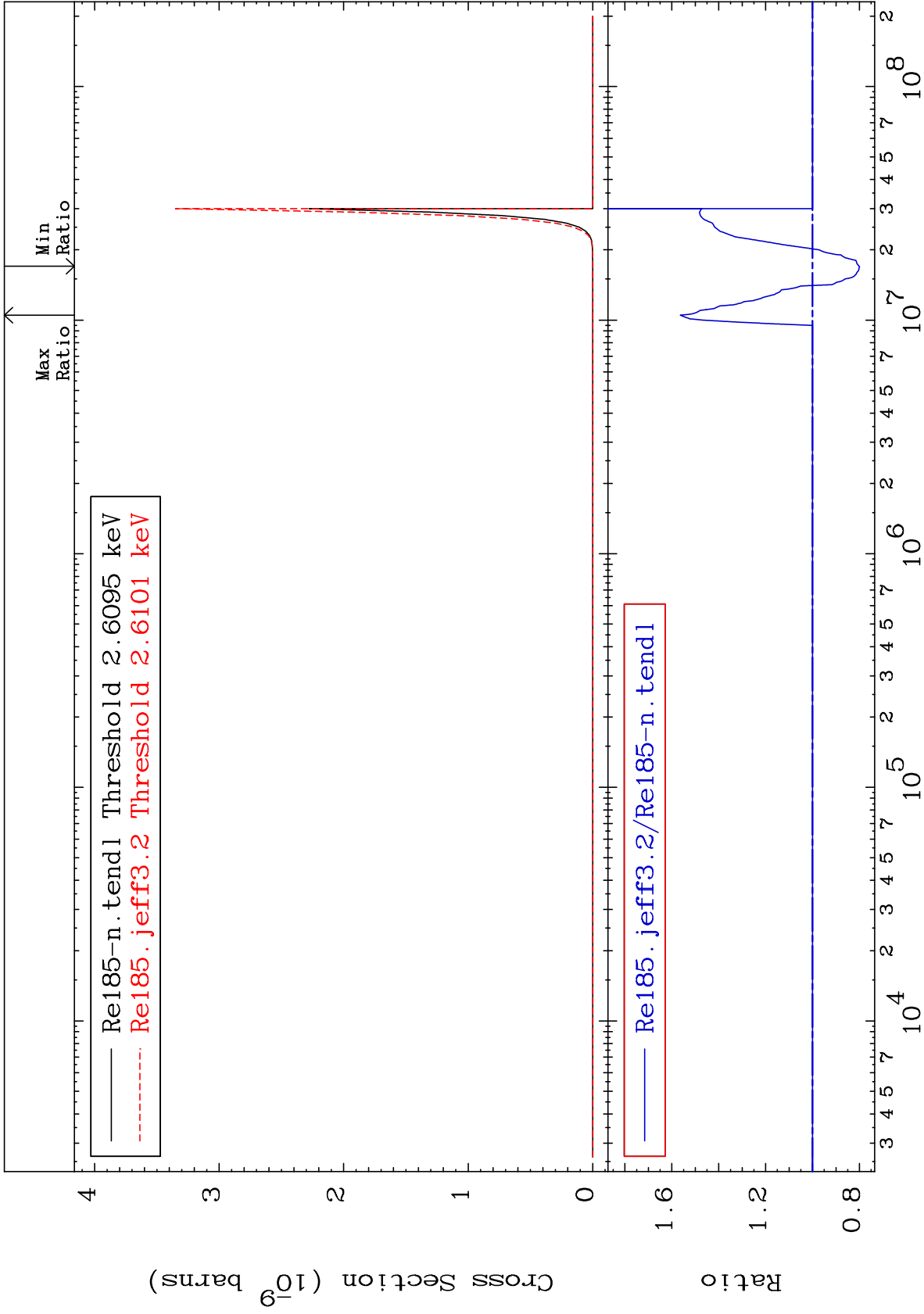
<sup>75</sup>Re-<sup>185</sup>Re  
-45.49 To 126.2 %



MAT 7525

(n, n') 2α  
Cross Section

75-Re-185  
-19.99 To 56.37 %

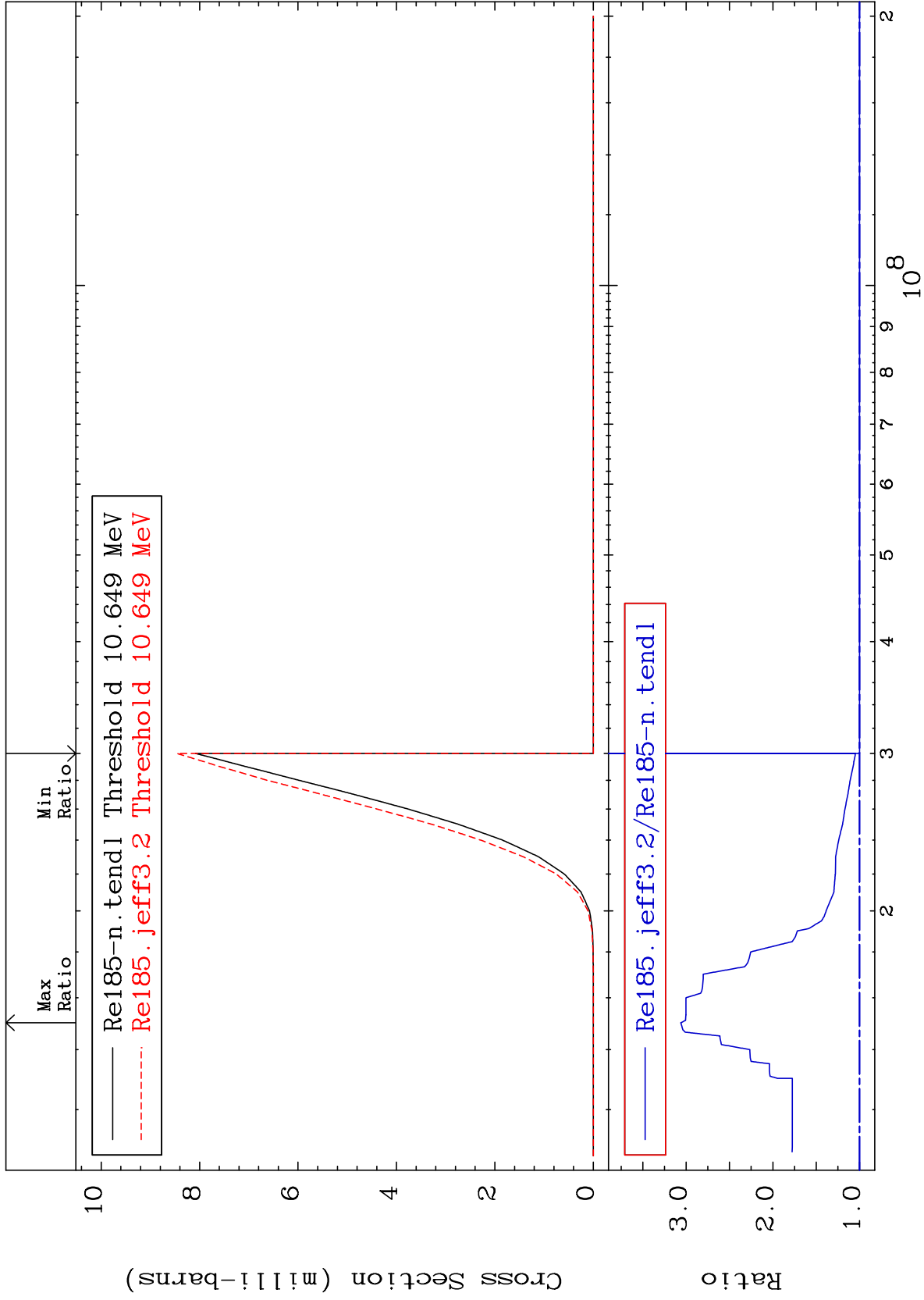


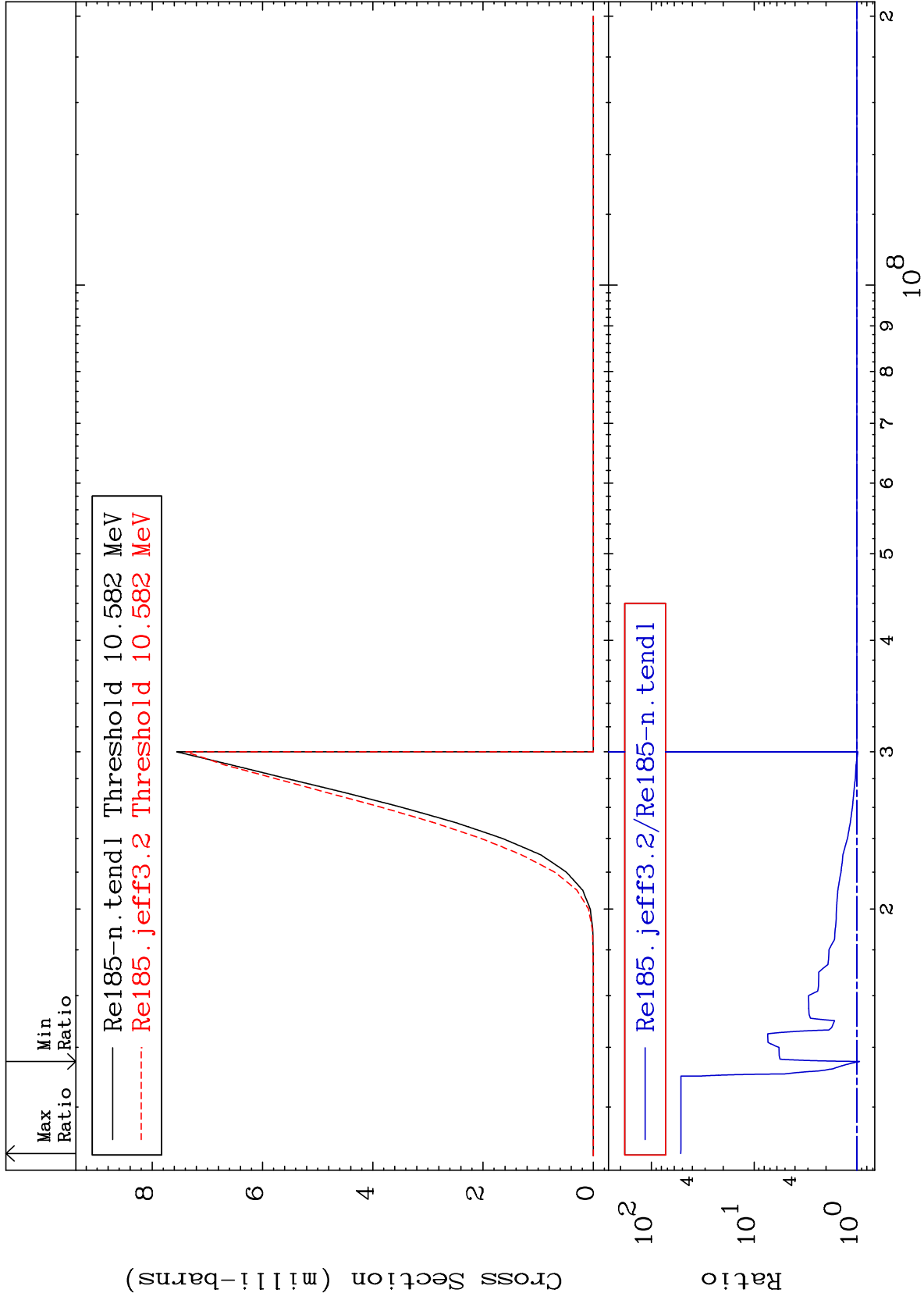
12

Incident Energy (eV)

75-Re-185

MAT 7525 (n,n') d Cross Section 75-Re-185 To 206.2 %

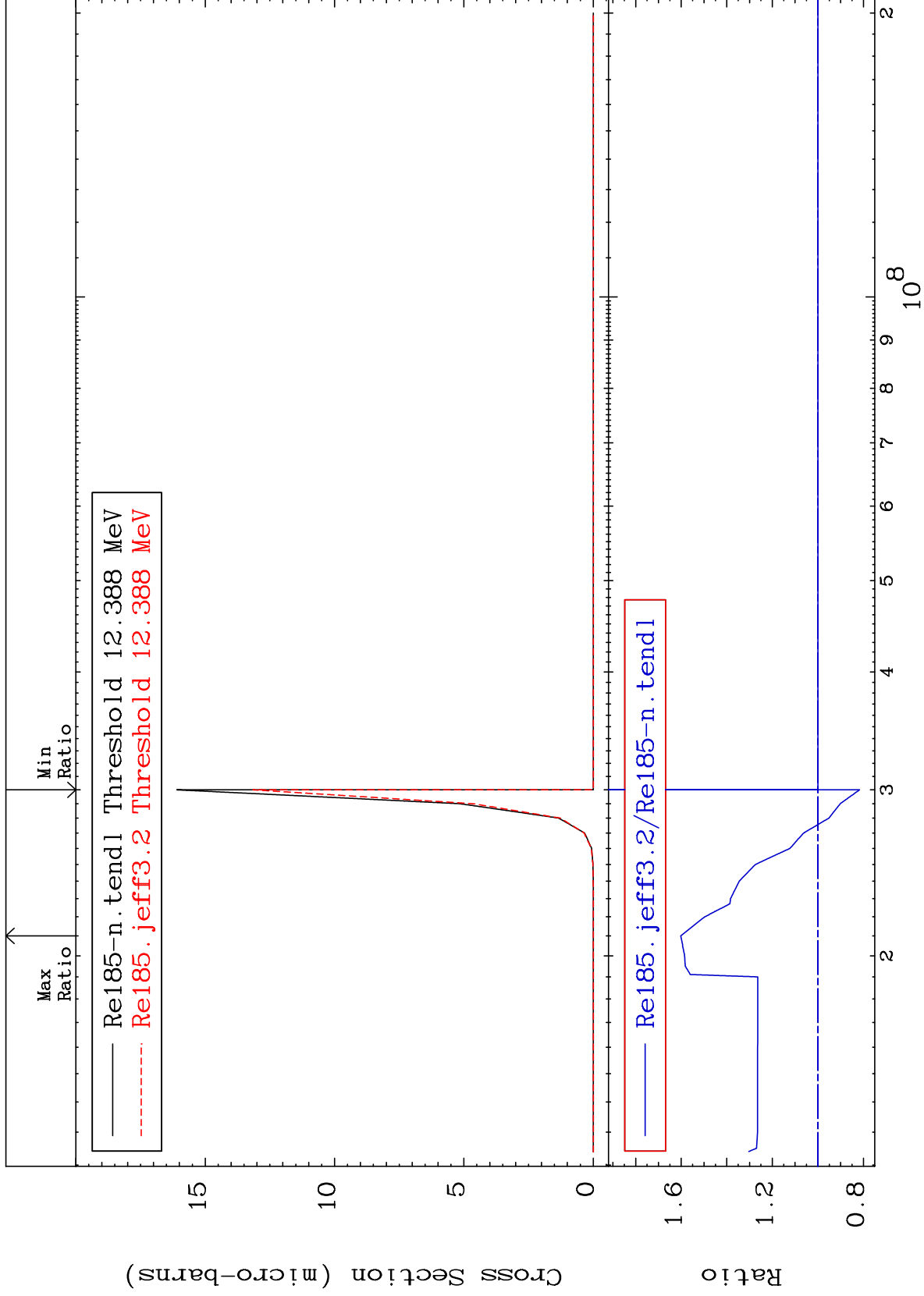




MAT 7525

(n, n') He-3  
Cross Section

<sup>75</sup>Re-<sup>185</sup>Re  
-18.30 To 60.21 %



15

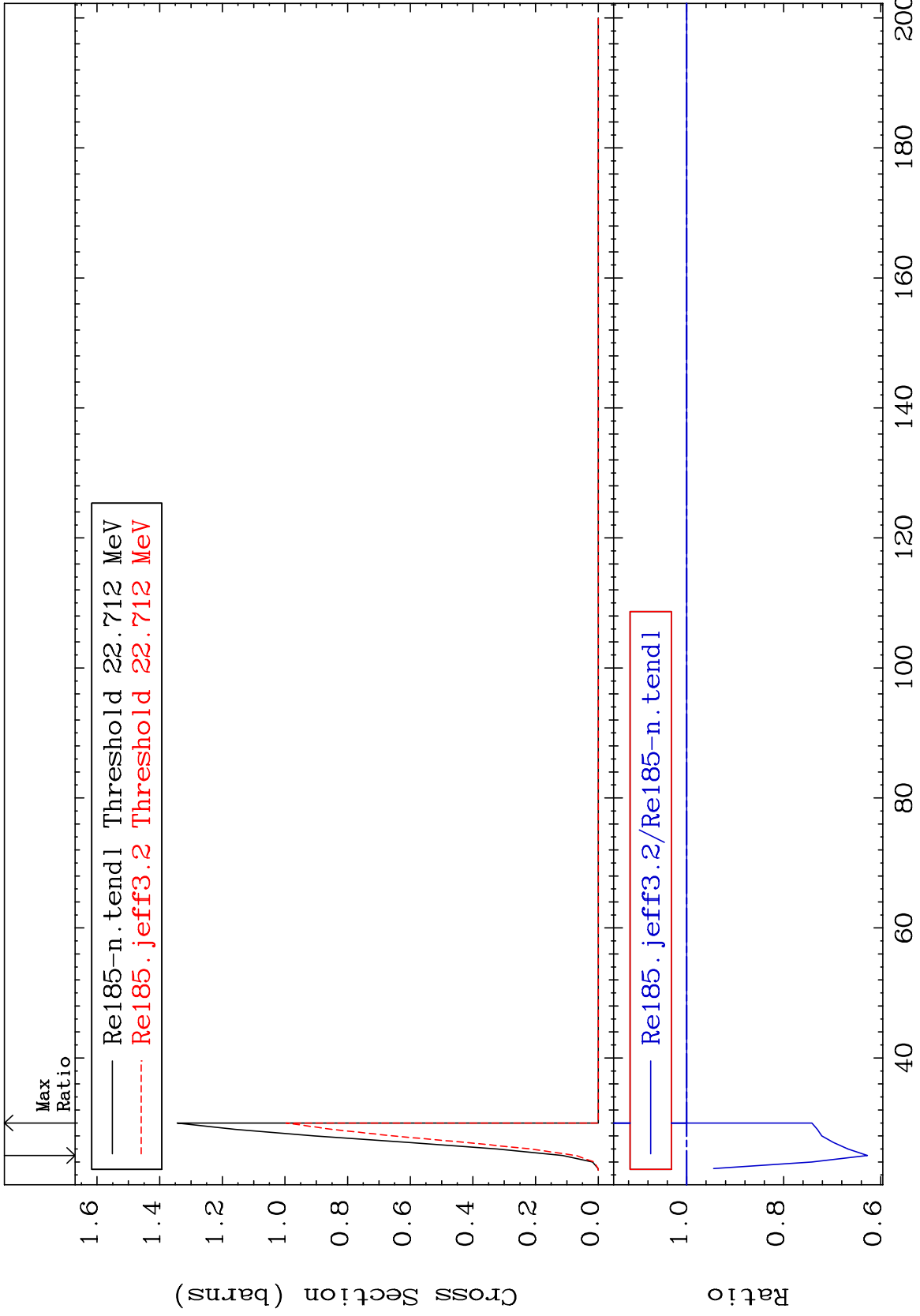
Incident Energy (eV)

<sup>75</sup>Re-<sup>185</sup>Re

MAT 7525

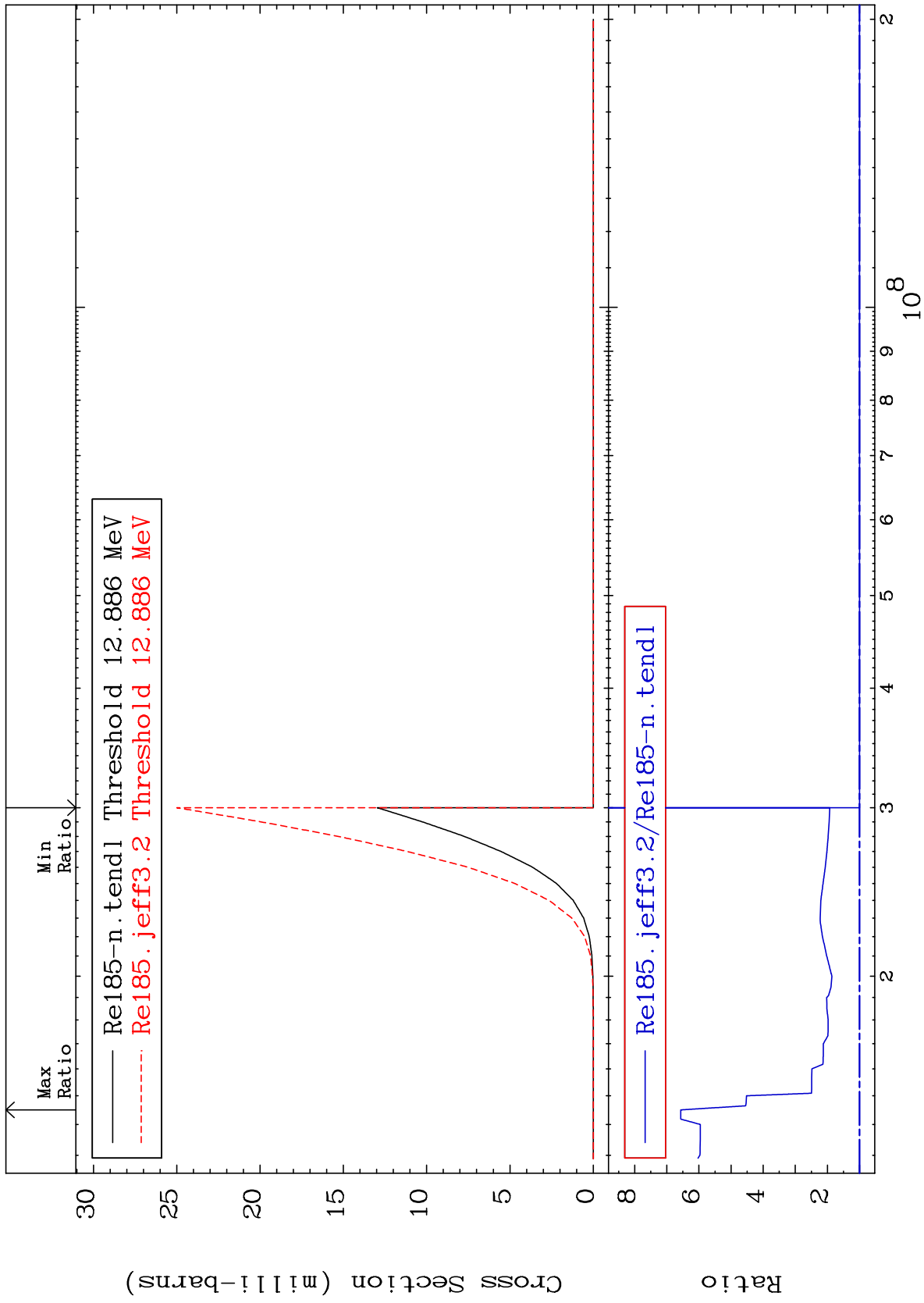
(n,4n)  
Cross Section

<sup>75</sup>Re-<sup>185</sup>Re  
-37.28 To 0.000 %





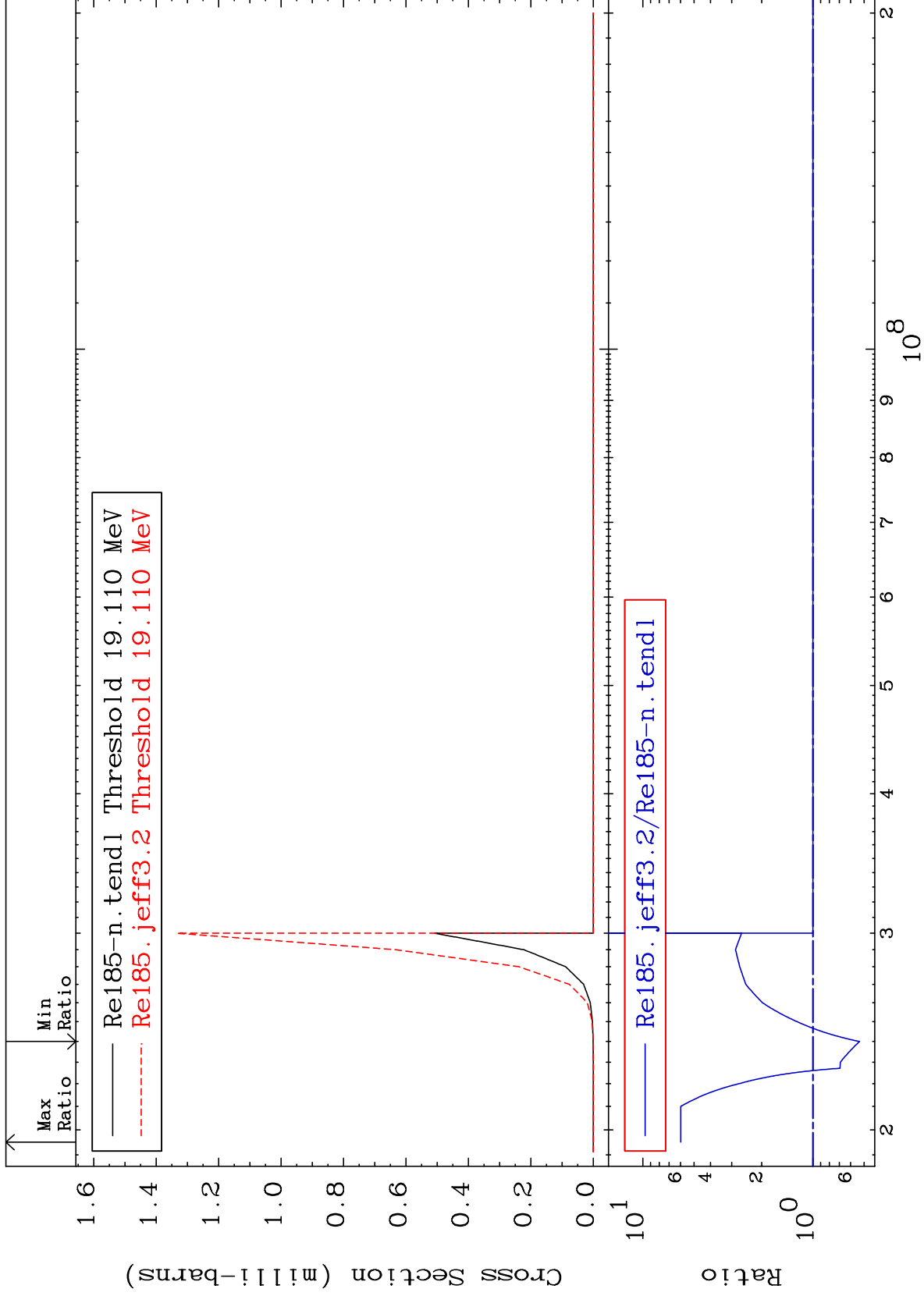
MAT 7525  $(n, 2n)$  p  $^{75}\text{Re-185}$   
 Cross Section To 556.5 %

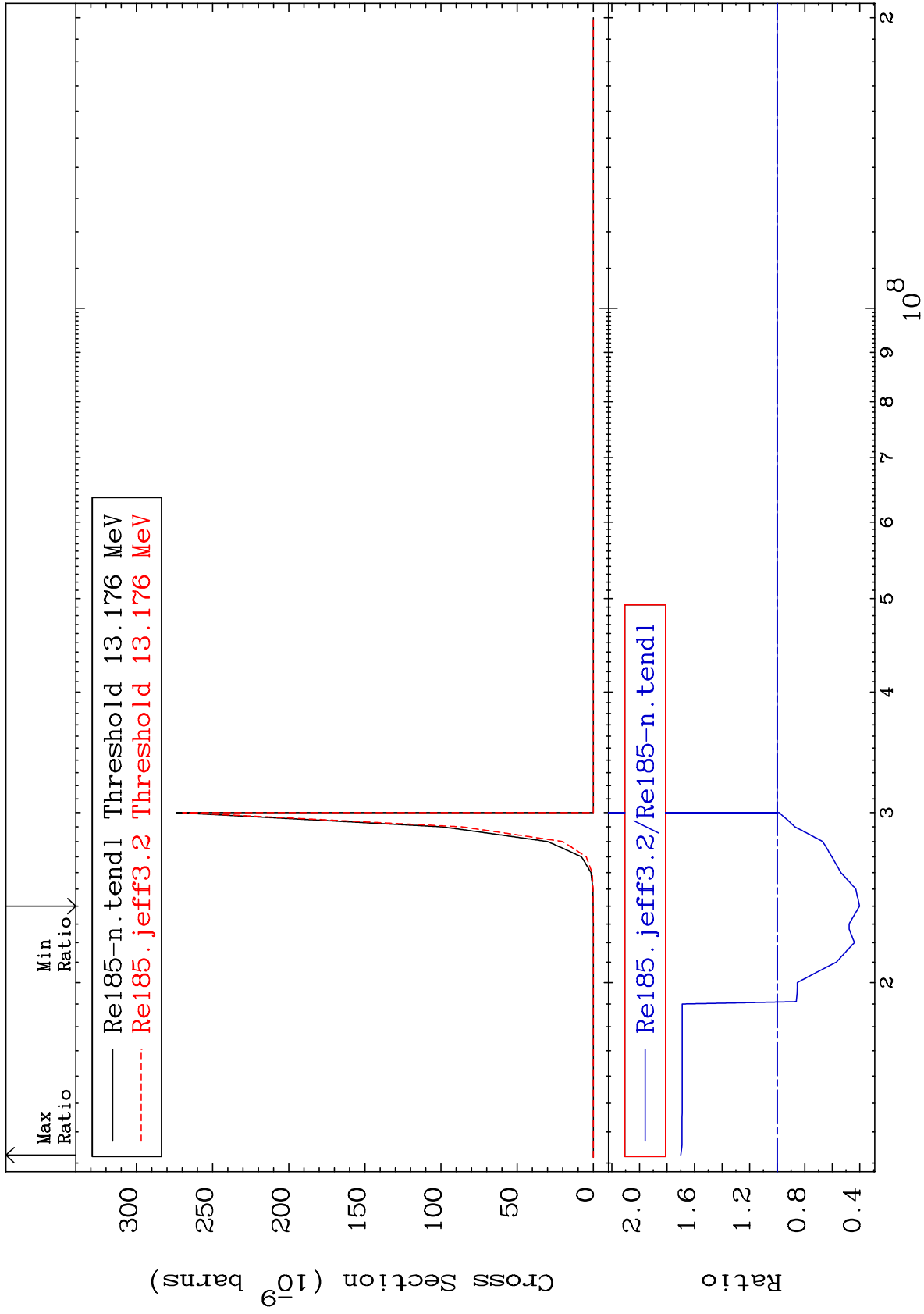


MAT 7525

(n,3n) p  
Cross Section

75-Re-185  
-46.81 To 498.0 %

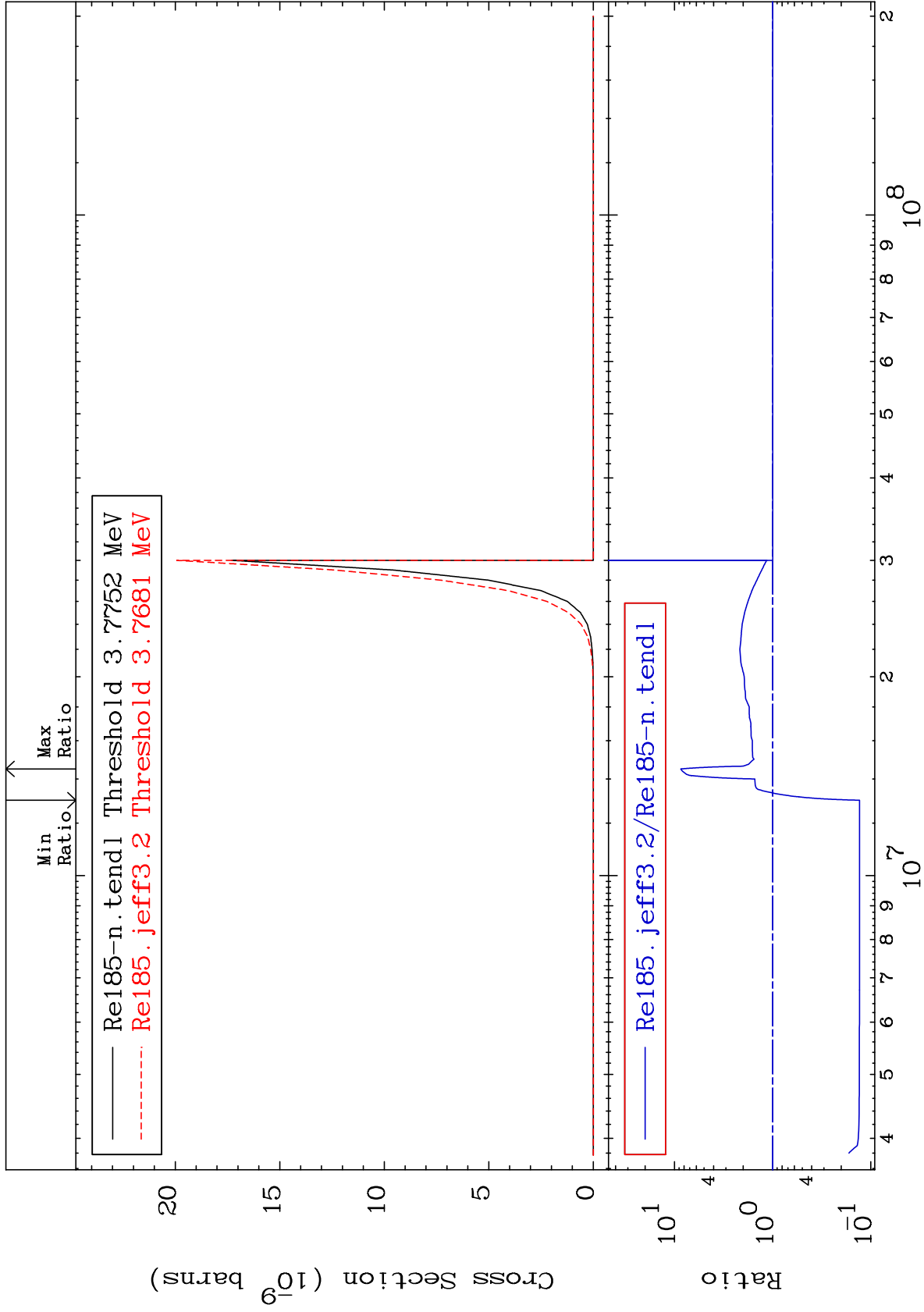




MAT 7525

(n,n') p α  
Cross Section

<sup>75</sup>Re-<sup>185</sup>Re  
-86.99 To 764.6 %

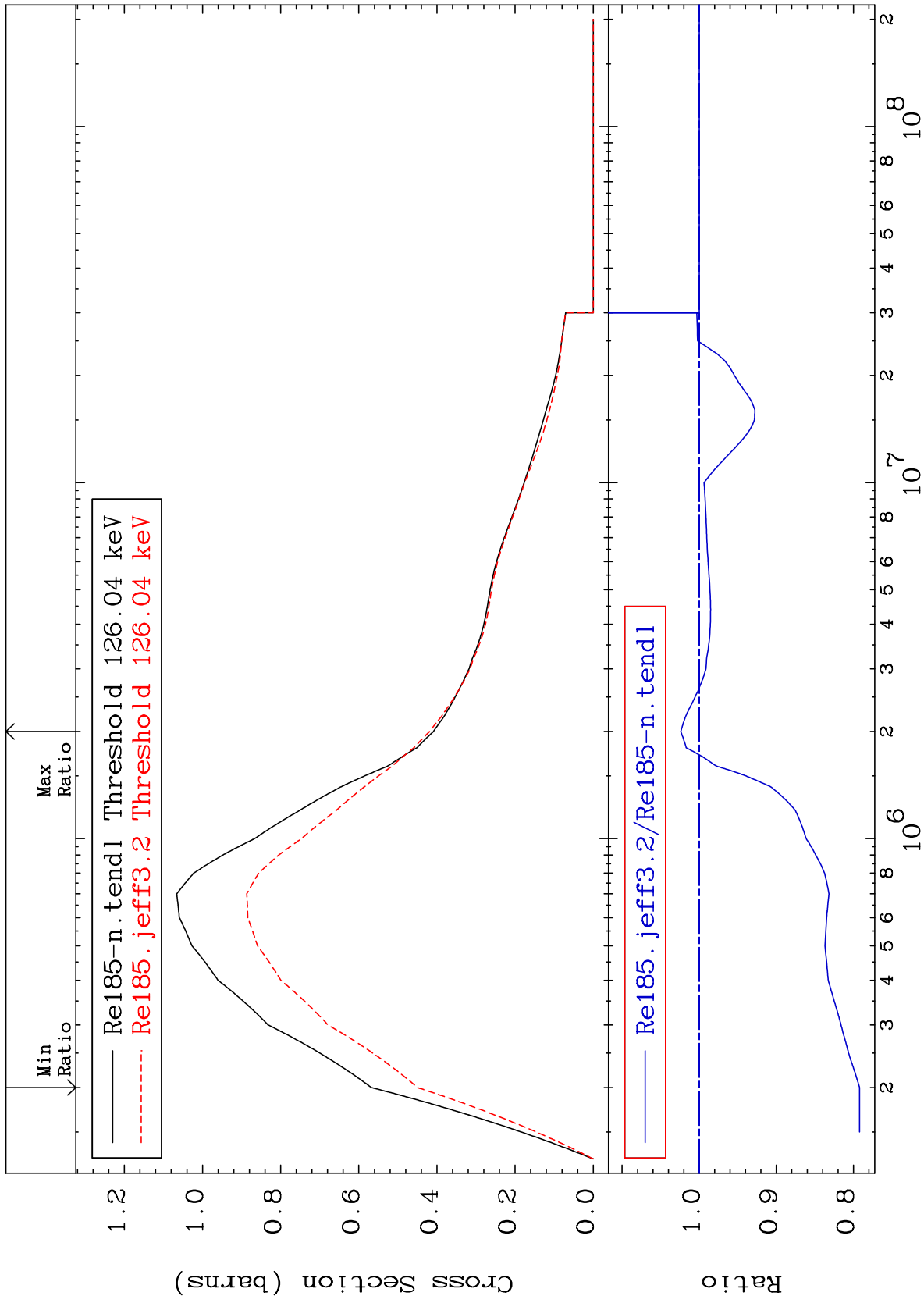


20

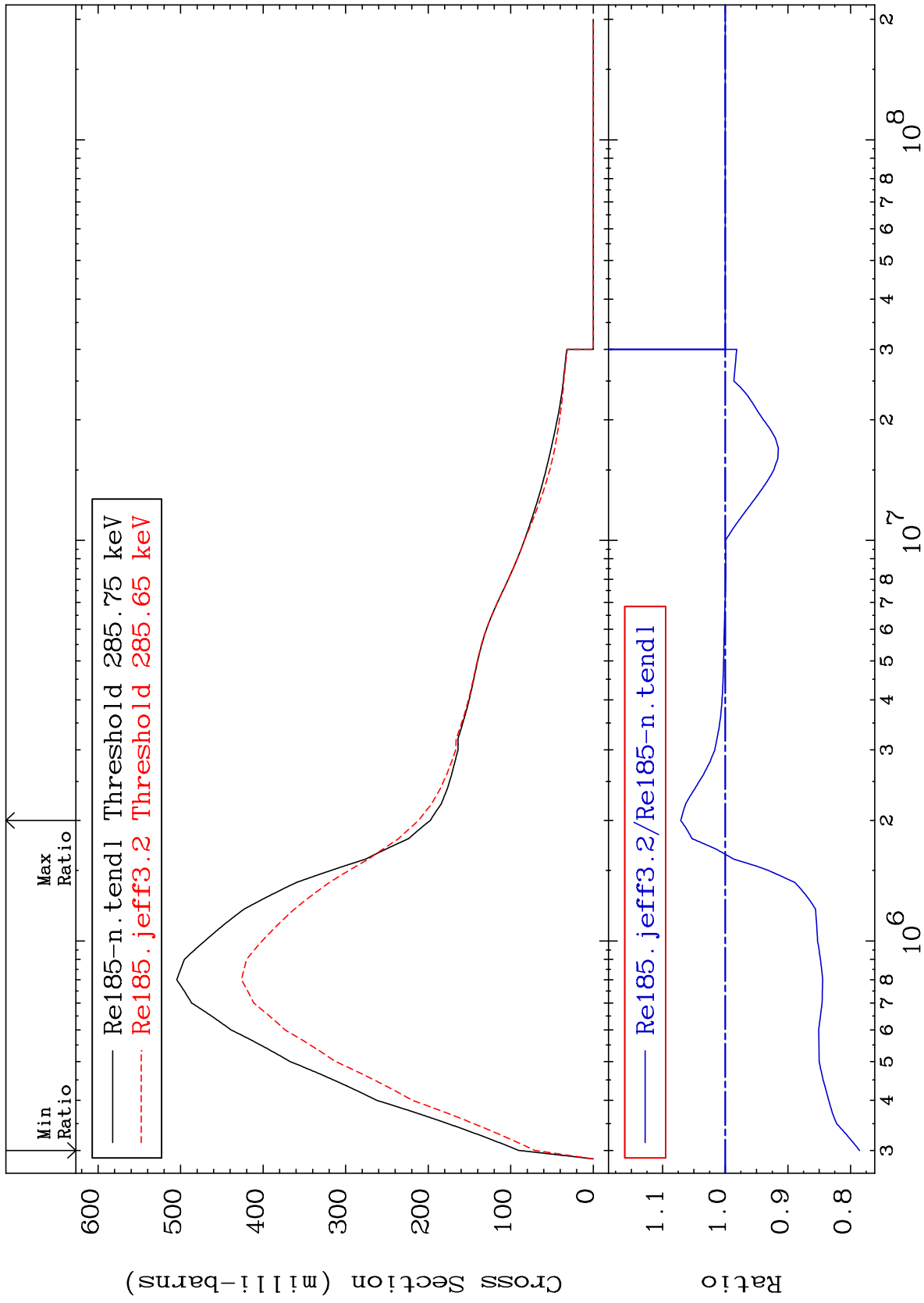
Incident Energy (eV)

<sup>75</sup>Re-<sup>185</sup>Re

MAT 7525 125.4 keV (n,n') Level 75-Re-185  
Cross Section -20.79 To 2.395 %



MAT 7525      284.2 keV (n,n') Level      75-Re-185  
 Cross Section      -21.44 To 7.101 %



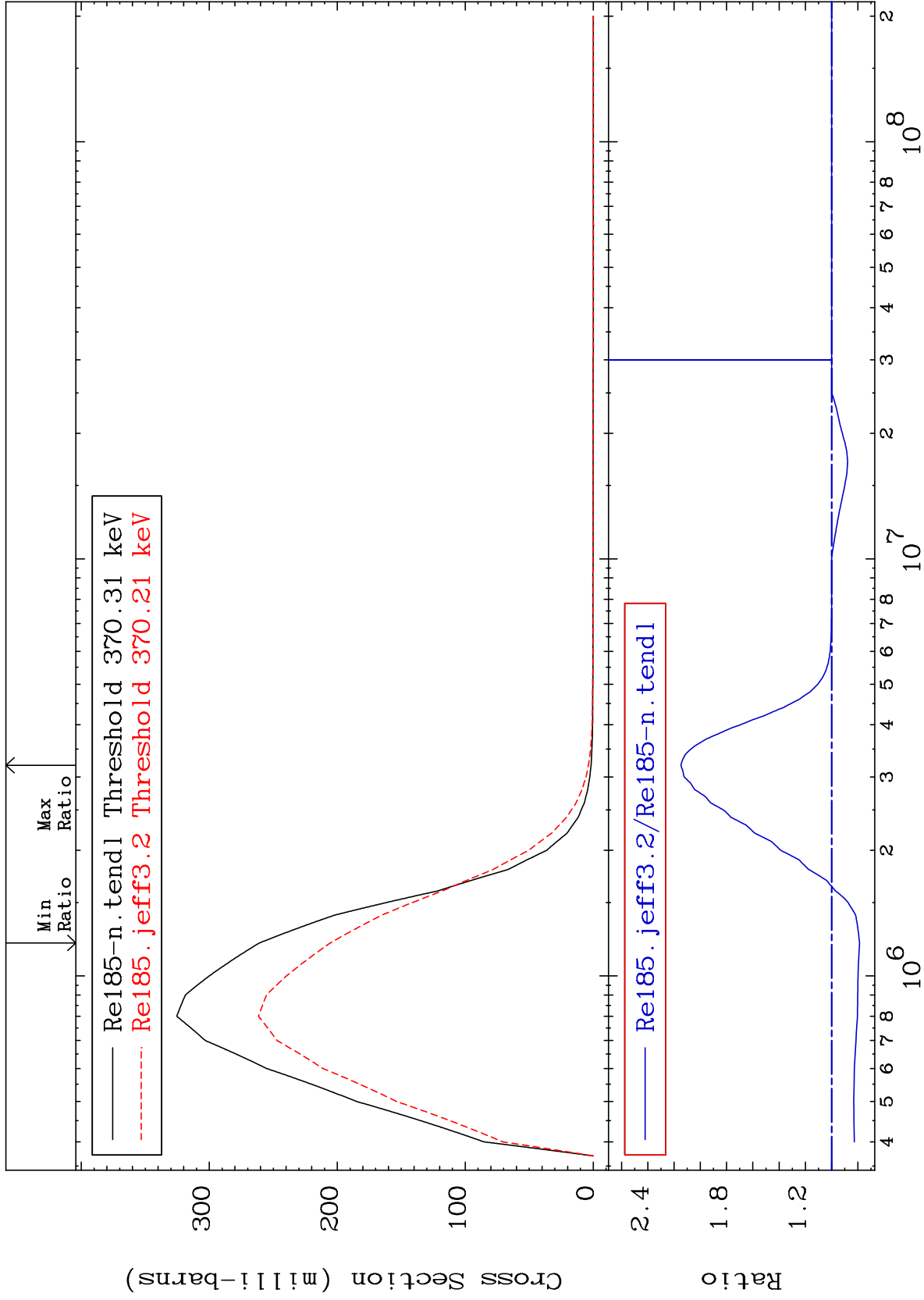
MAT 7525

368.3 keV (n,n') Level

<sup>75</sup>Re-<sup>185</sup>Re

-21.26 To 114.9 %

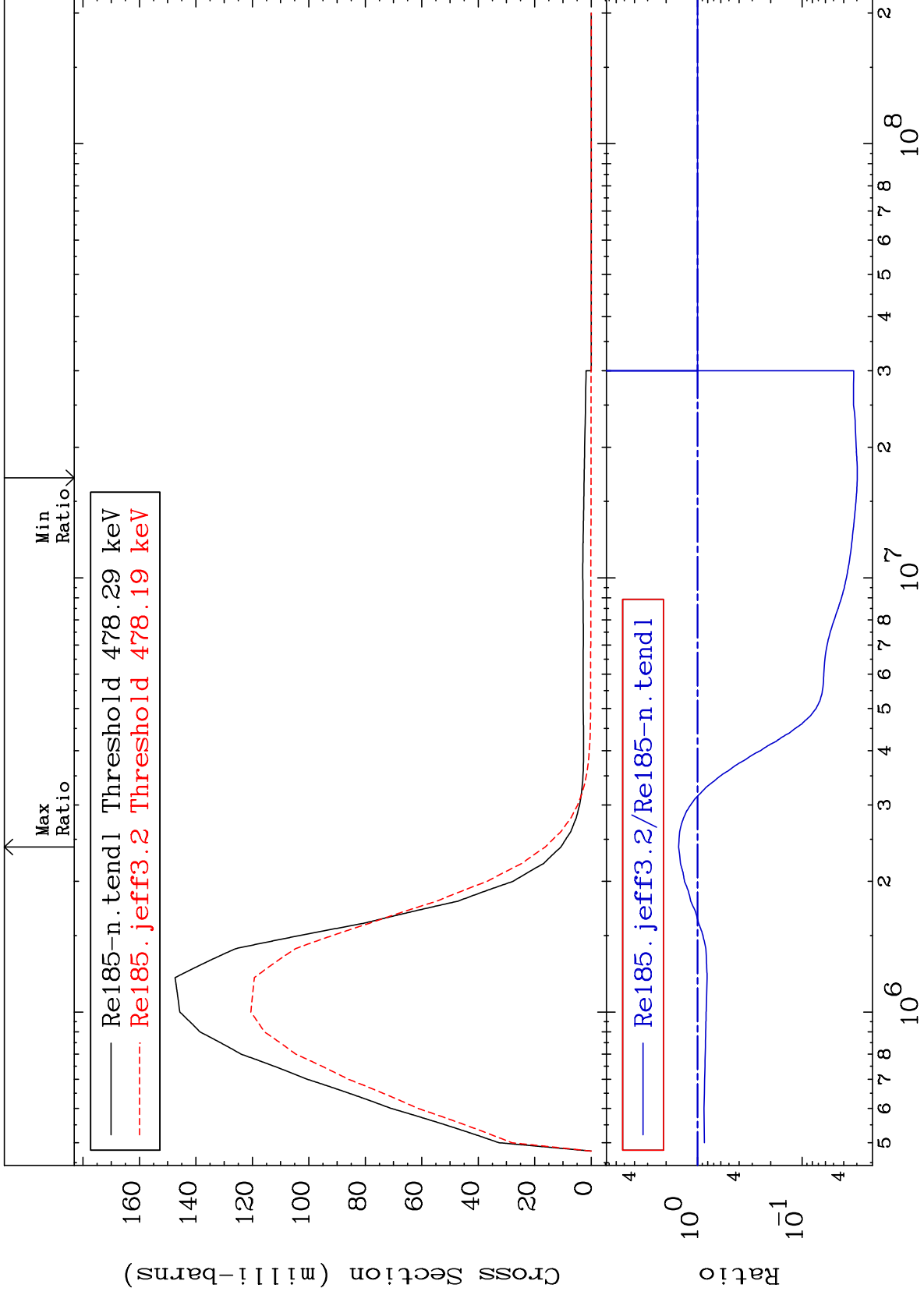
Cross Section



MAT 7525

475.7 keV (n,n') Level  
Cross Section

<sup>75</sup>Re-<sup>185</sup>Re  
-97.03 To 51.55 %





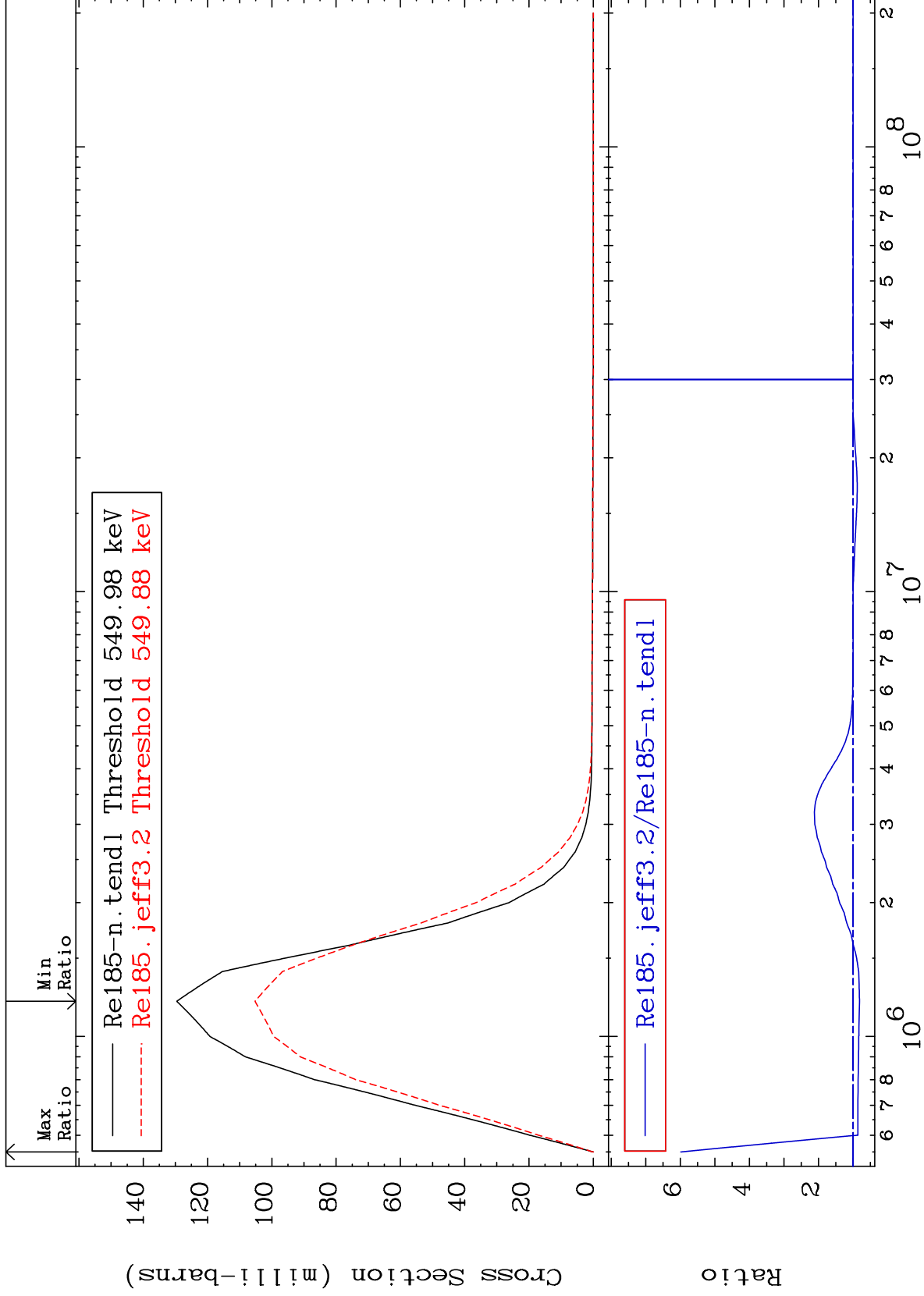
MAT 7525

547.0 keV (n,n') Level

75-Re-185

Cross Section

-18.78 To 498.7 %



25

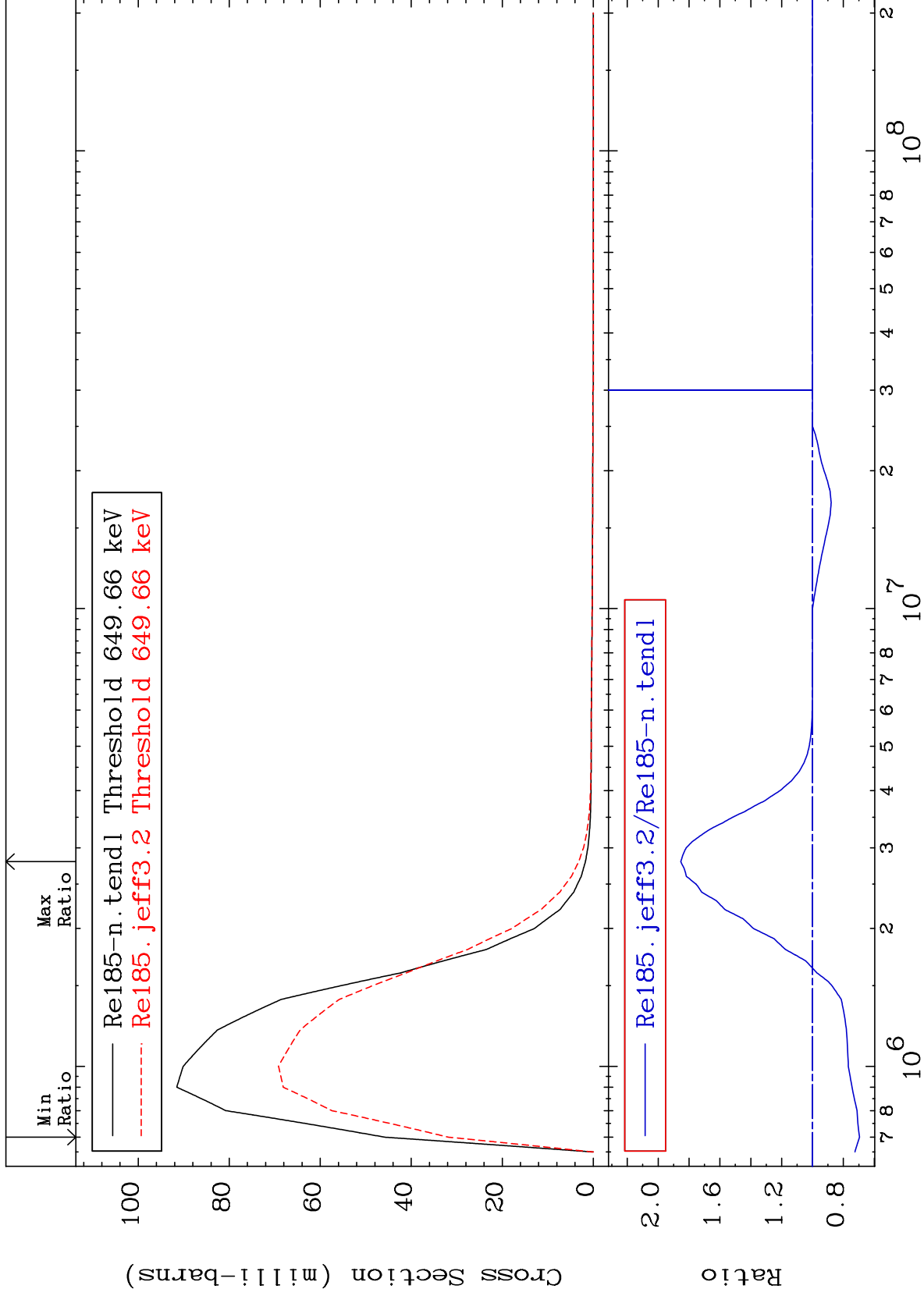
Incident Energy (eV)

75-Re-185

MAT 7525

646.1 keV (n,n') Level  
Cross Section

<sup>75</sup>Re-<sup>185</sup>Re  
-30.47 To 85.35 %



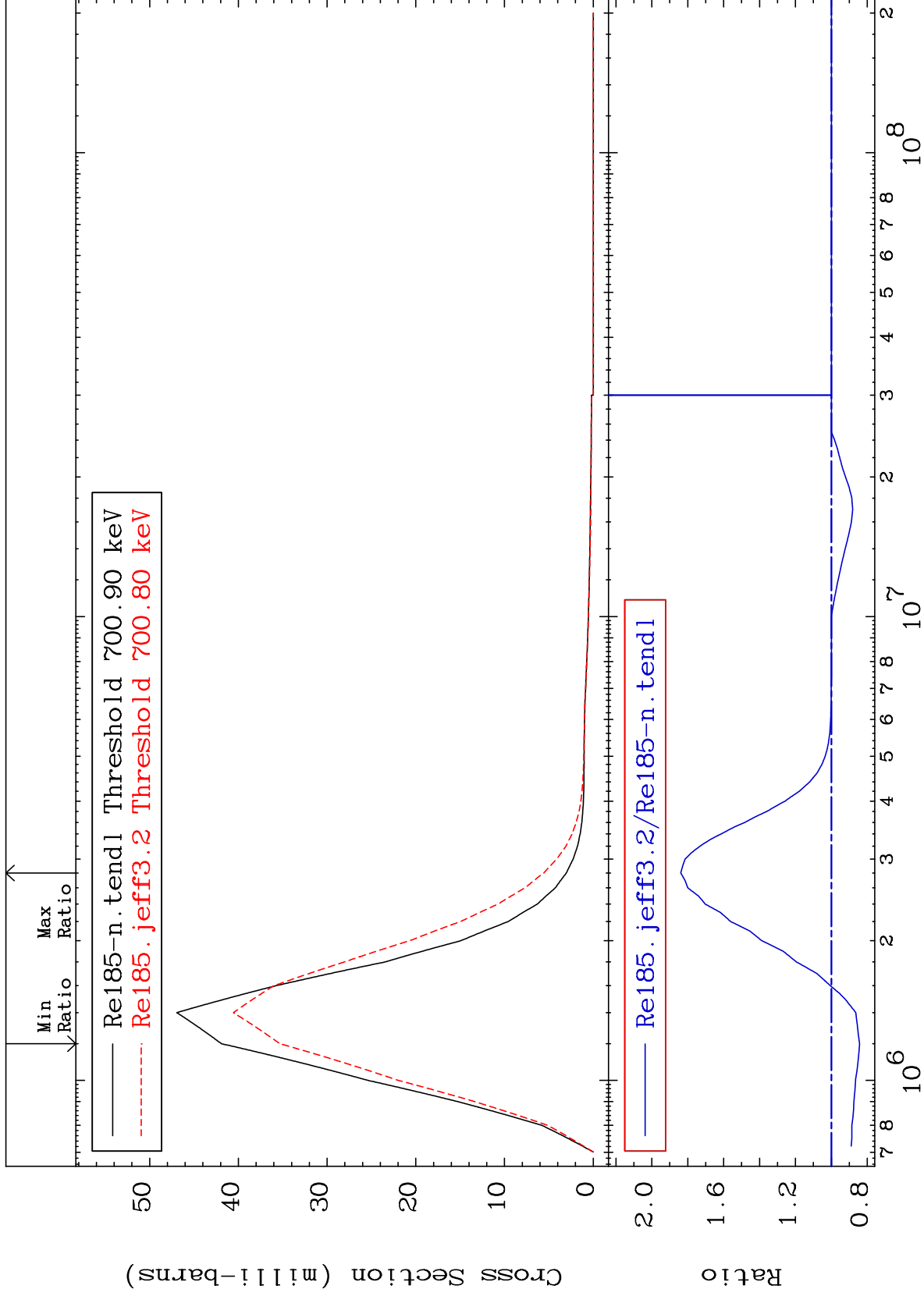
MAT 7525

697.1 keV (n,n') Level

<sup>75</sup>Re-<sup>185</sup>

-15.70 To 83.87 %

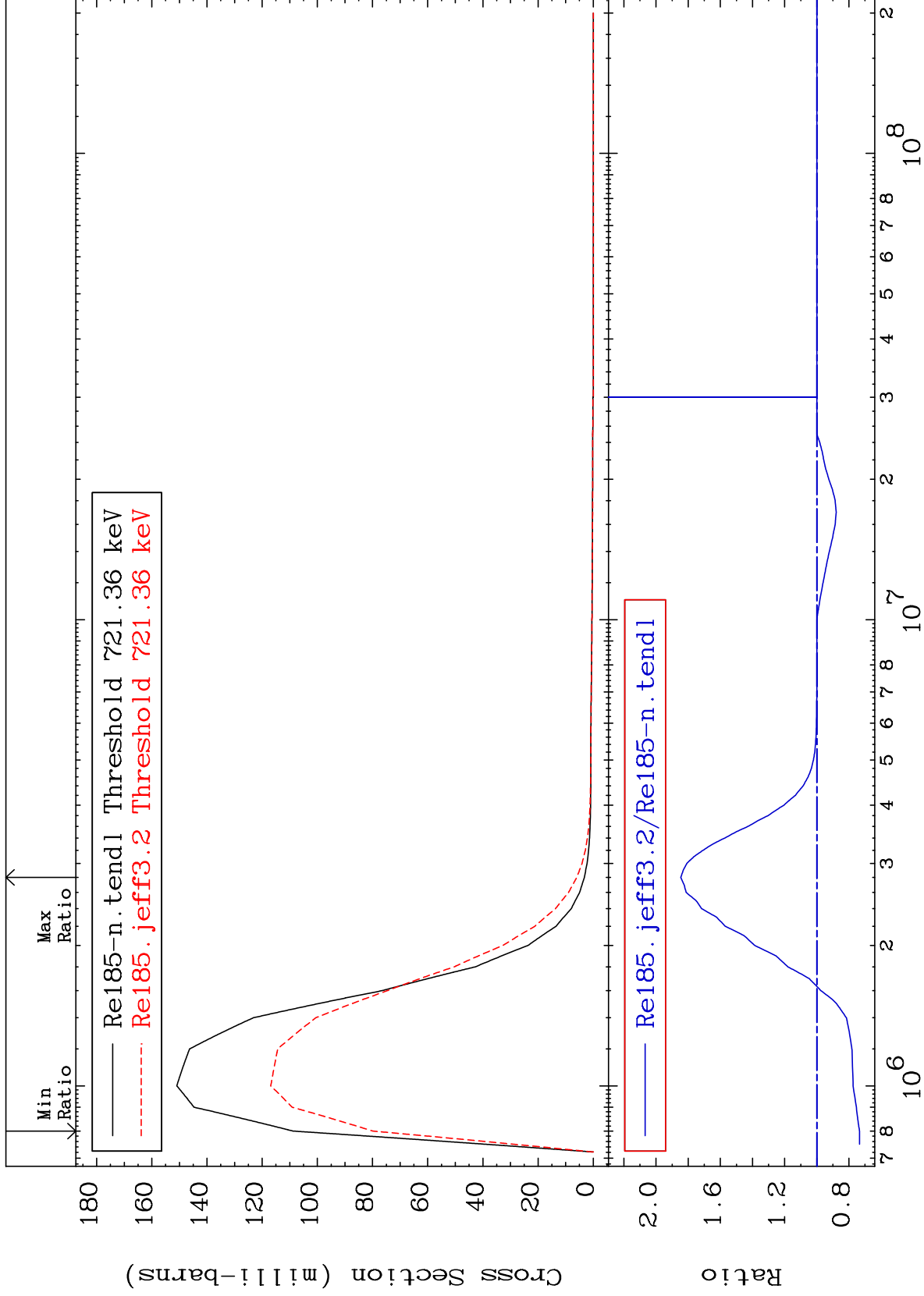
Cross Section



MAT 7525

717.4 keV (n,n') Level  
Cross Section

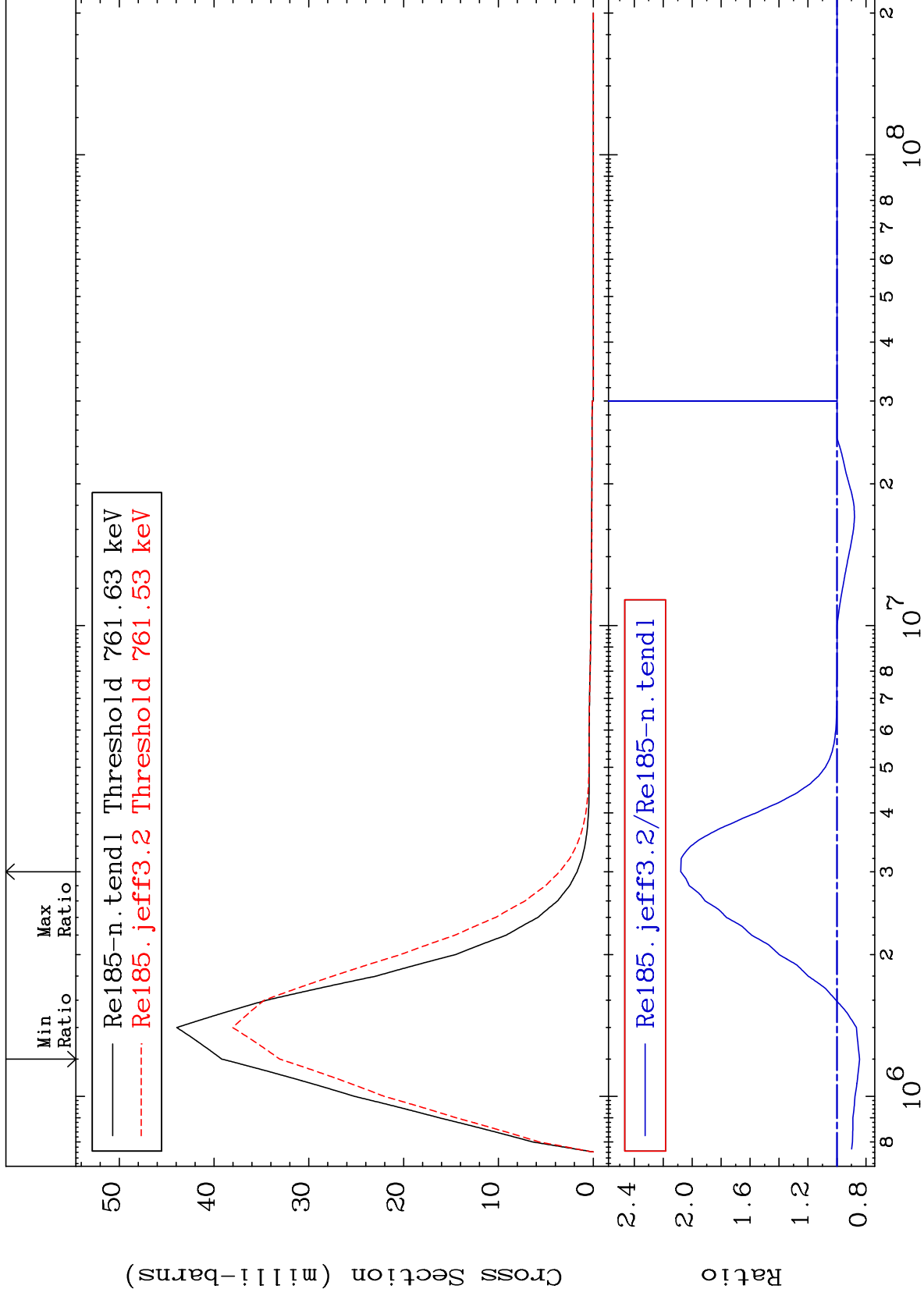
<sup>75</sup>Re-<sup>185</sup>Re  
-26.58 To 84.63 %



MAT 7525

757.5 keV (n,n') Level  
Cross Section

75-Re-185  
-15.60 To 107.9 %



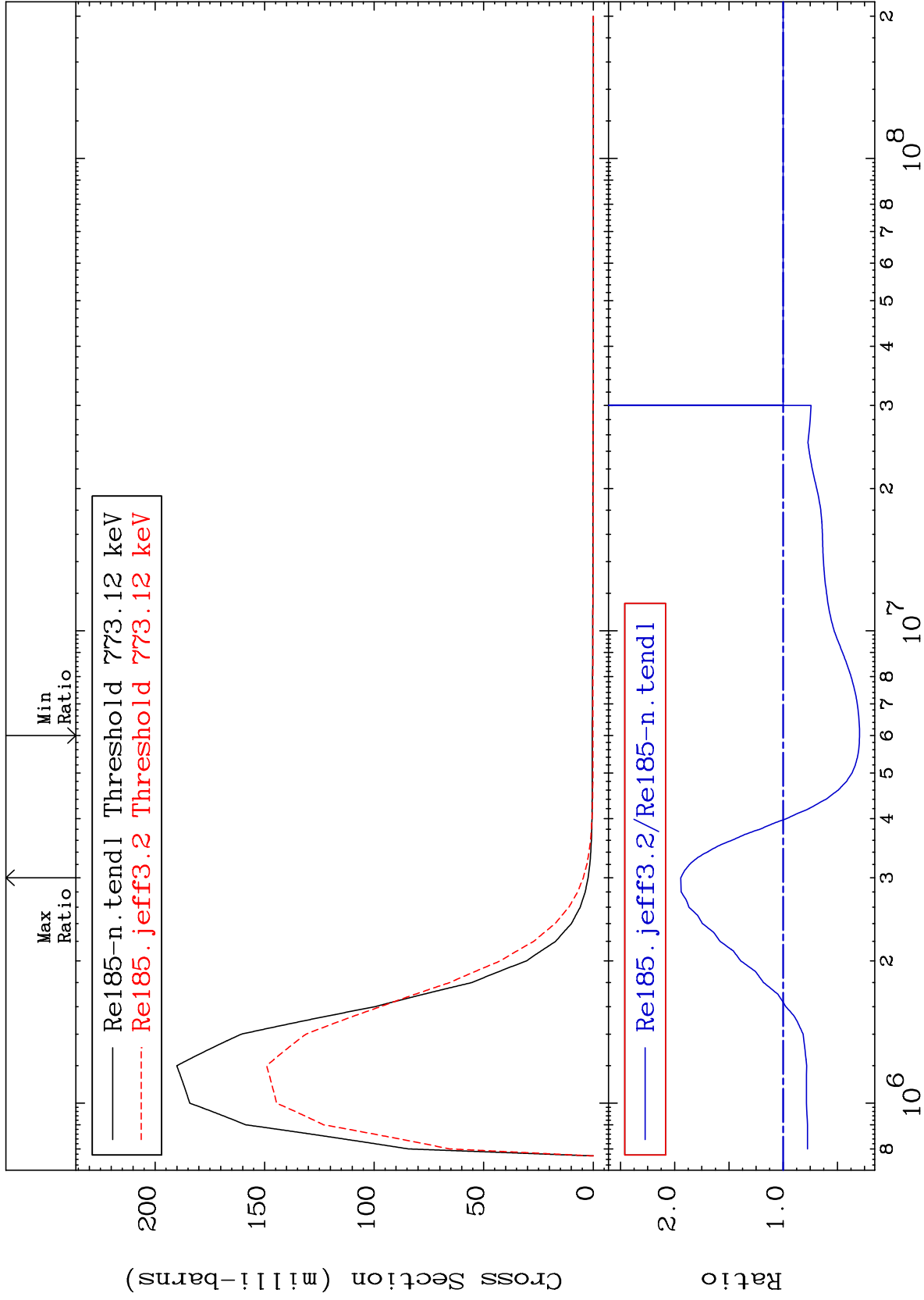
MAT 7525

768.9 keV (n,n') Level

<sup>75</sup>Re-<sup>185</sup>

-70.43 To 94.43 %

Cross Section



30

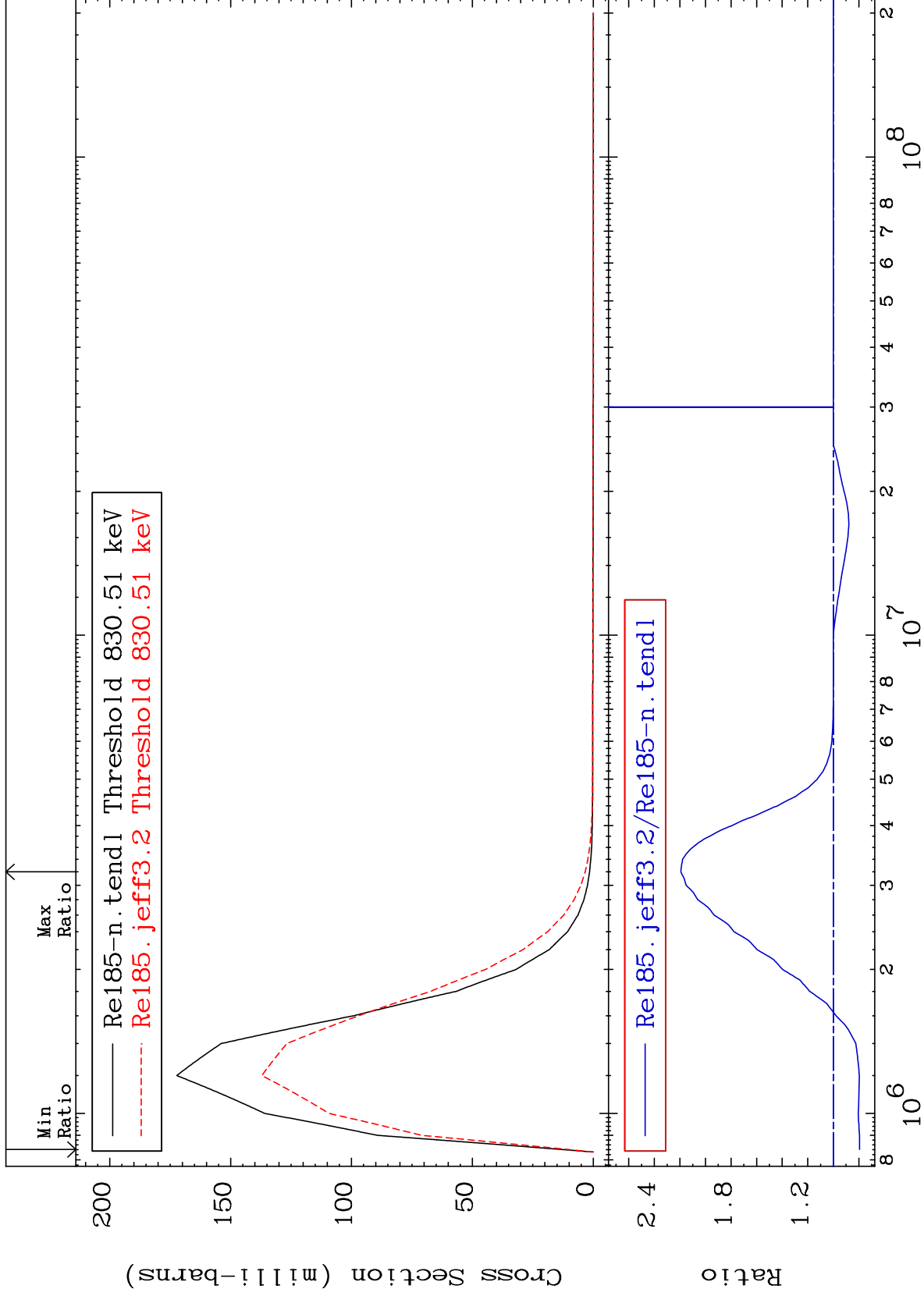
Incident Energy (eV)

<sup>75</sup>Re-<sup>185</sup>

MAT 7525

826.0 keV (n,n') Level  
Cross Section

<sup>75</sup>Re-<sup>185</sup>Re  
-20.52 To 119.3 %



31

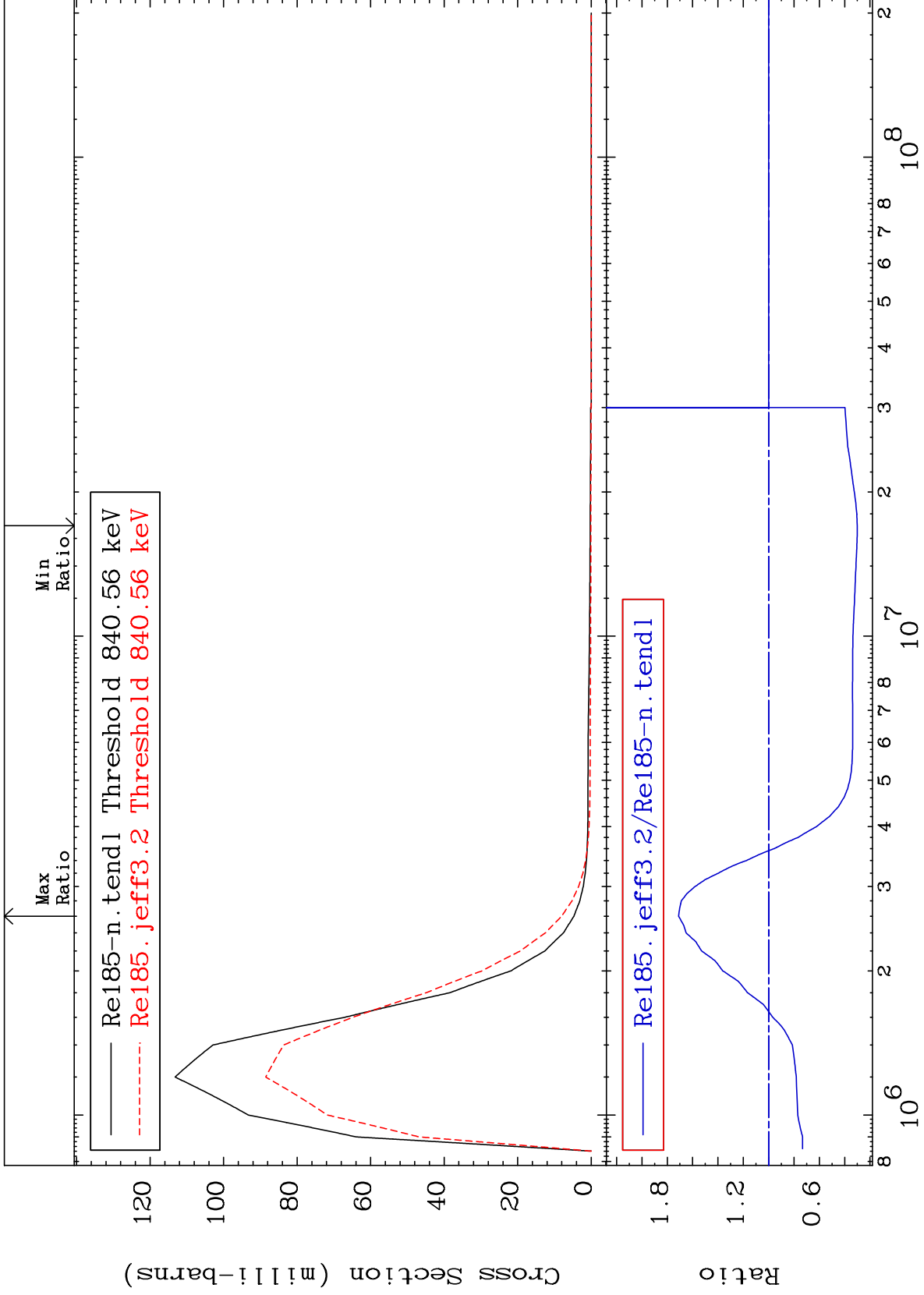
Incident Energy (eV)

<sup>75</sup>Re-<sup>185</sup>Re

MAT 7525

836.0 keV (n,n') Level  
Cross Section

<sup>75</sup>Re-<sup>185</sup>Re  
-69.92 To 71.03 %



32

Incident Energy (eV)

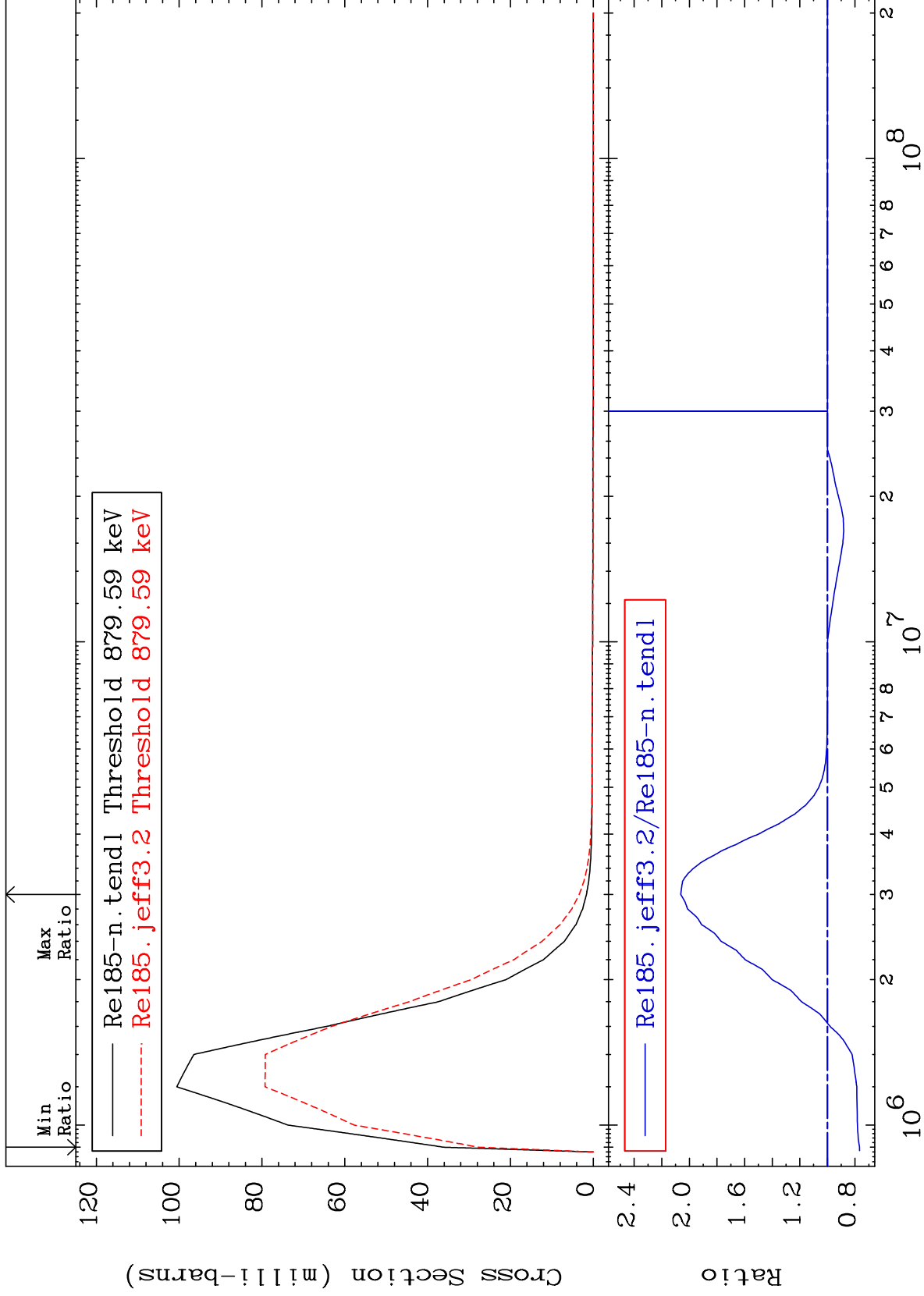
<sup>75</sup>Re-<sup>185</sup>Re



MAT 7525

874.8 keV (n,n') Level  
Cross Section

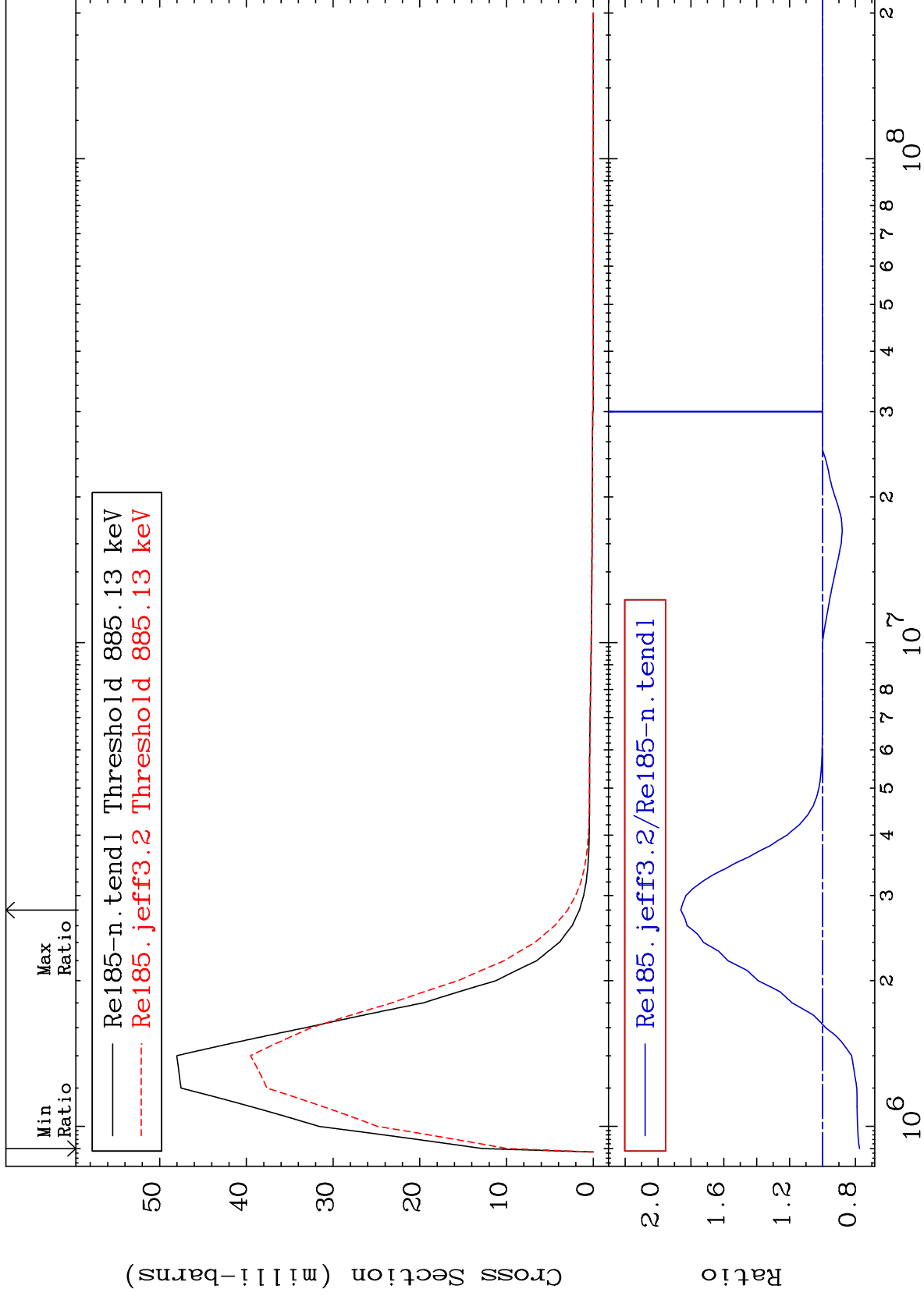
<sup>75</sup>Re-<sup>185</sup>Re  
-23.25 To 106.2 %



MAT 7525

880.3 keV (n,n') Level  
Cross Section

75-Re-185  
-22.54 To 86.16 %



34

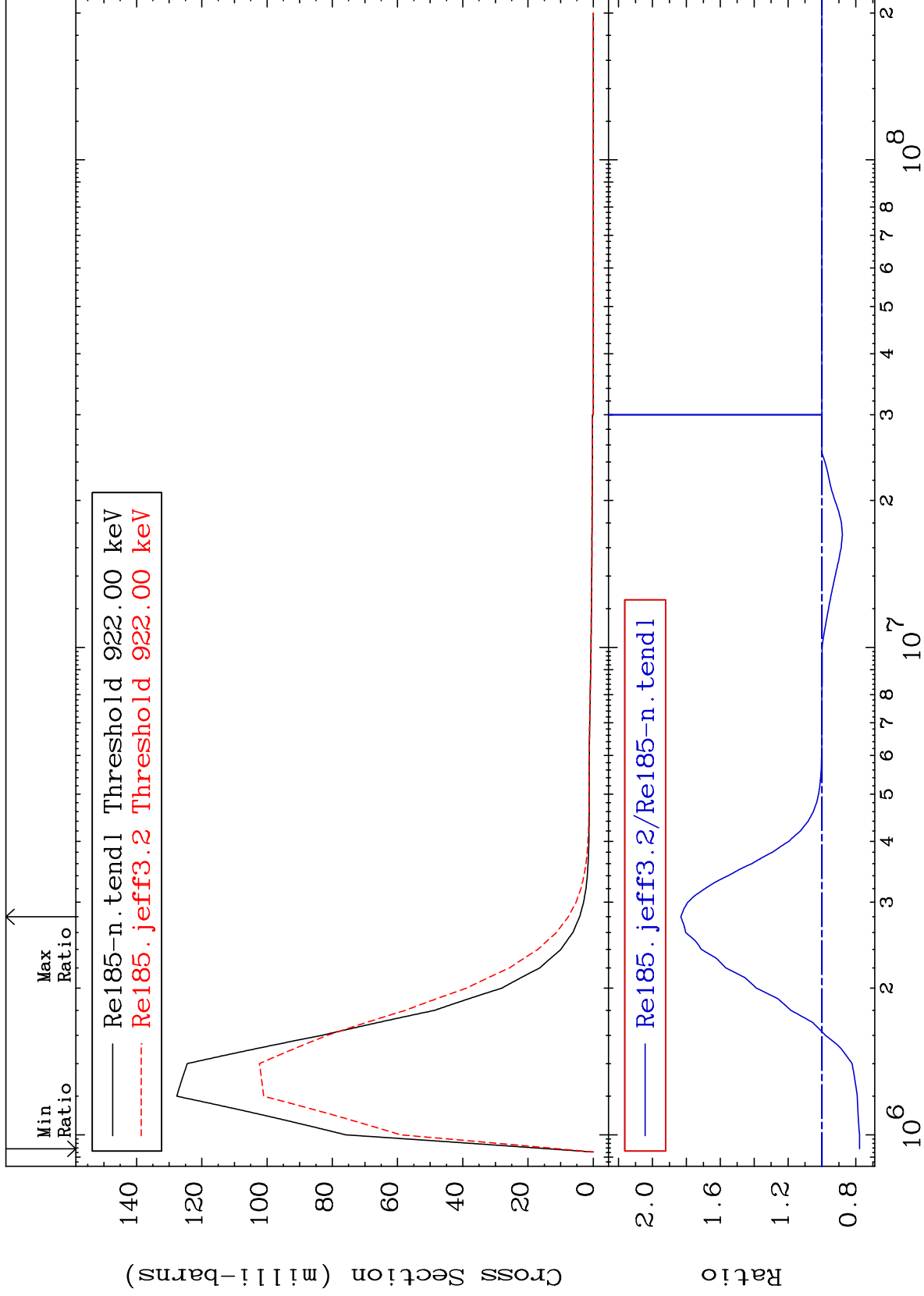
Incident Energy (eV)

75-Re-185

MAT 7525

917.0 keV (n,n') Level  
Cross Section

<sup>75</sup>Re-<sup>185</sup>Re  
-22.17 To 83.31 %



35

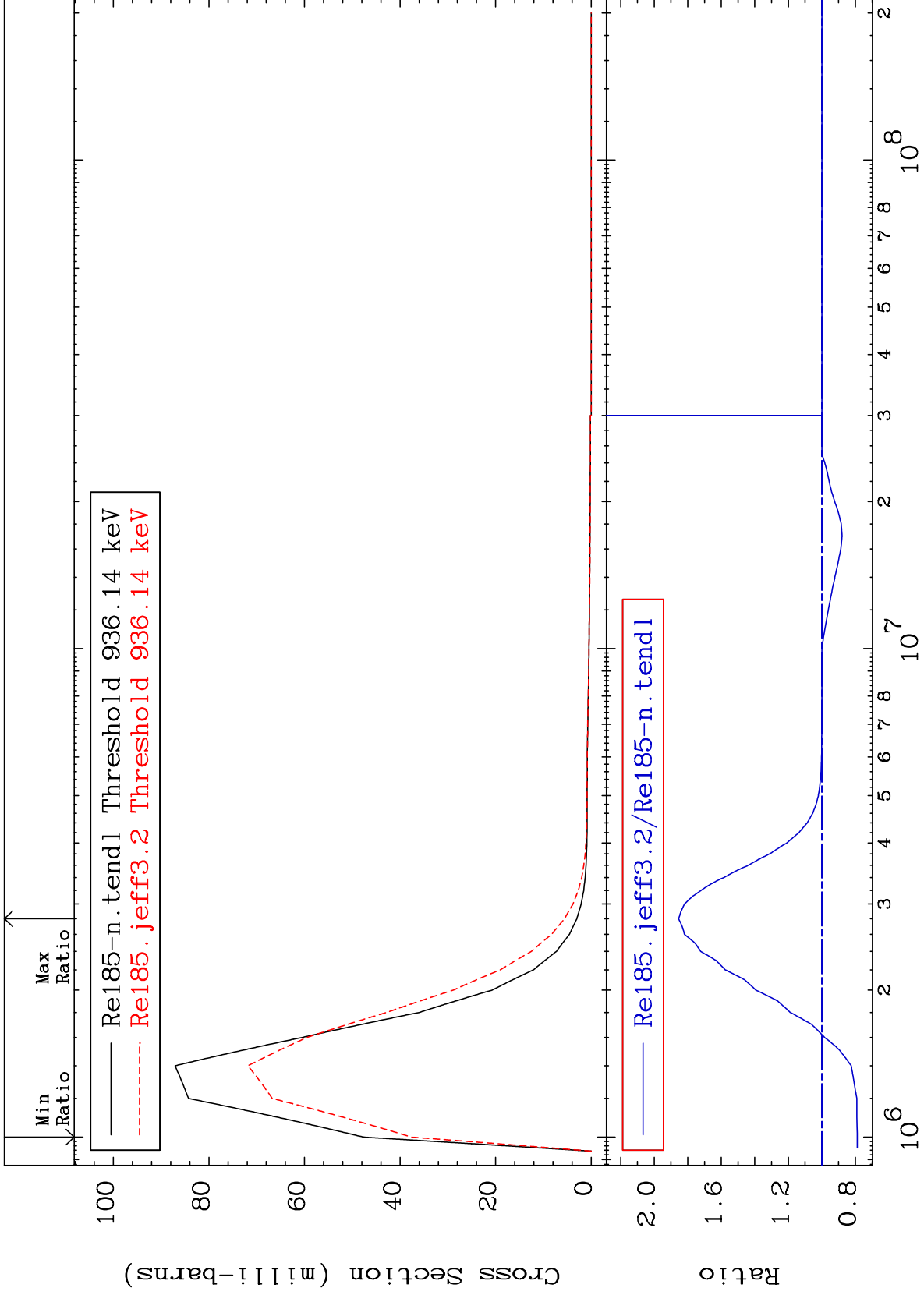
Incident Energy (eV)

<sup>75</sup>Re-<sup>185</sup>Re

MAT 7525

931.1 keV (n,n') Level  
Cross Section

75-Re-185  
-21.11 To 85.43 %



36

75-Re-185

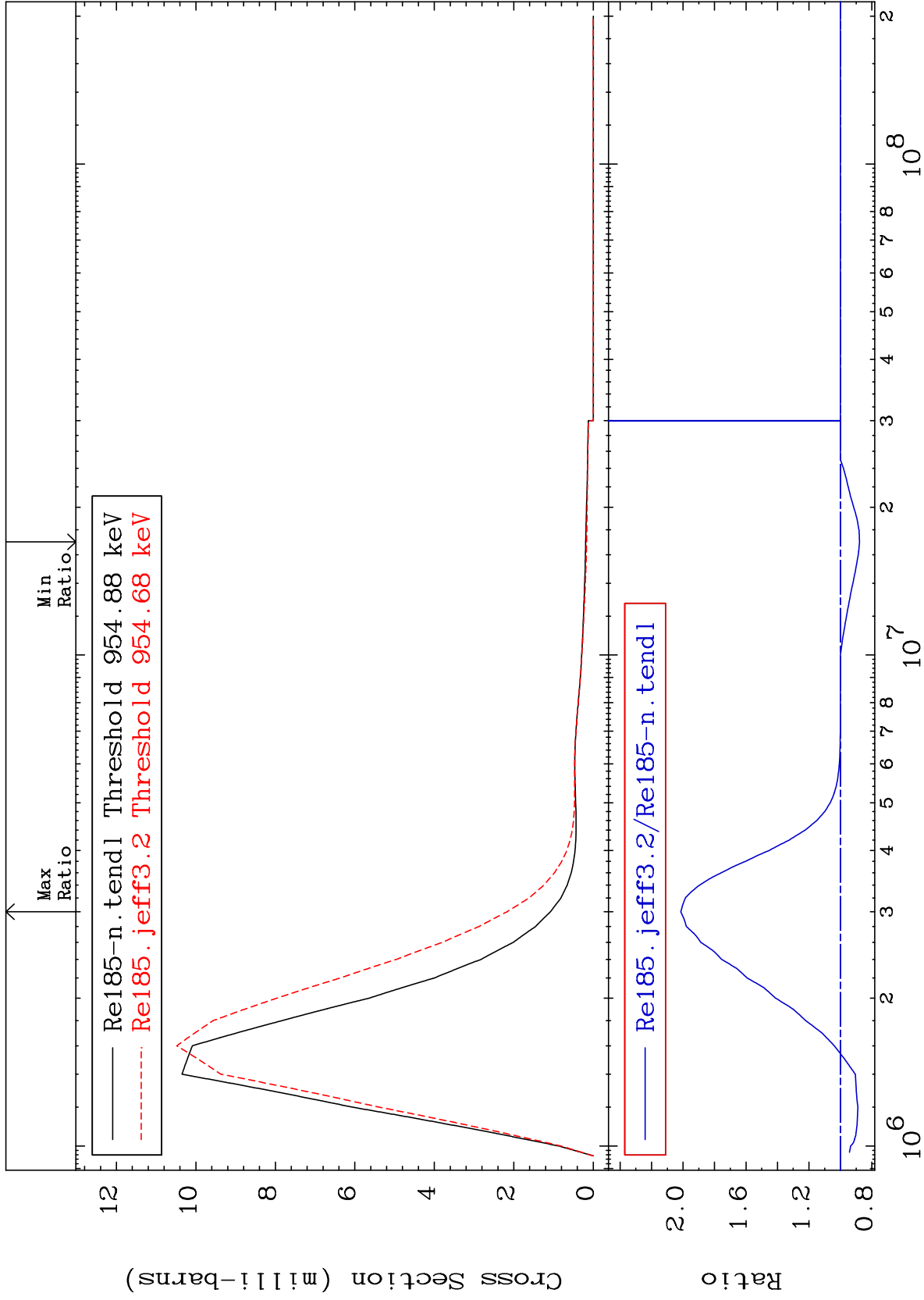
MAT 7525

949.7 keV (n,n') Level

<sup>75</sup>Re-<sup>185</sup>

-12.15 To 101.4 %

Cross Section



37

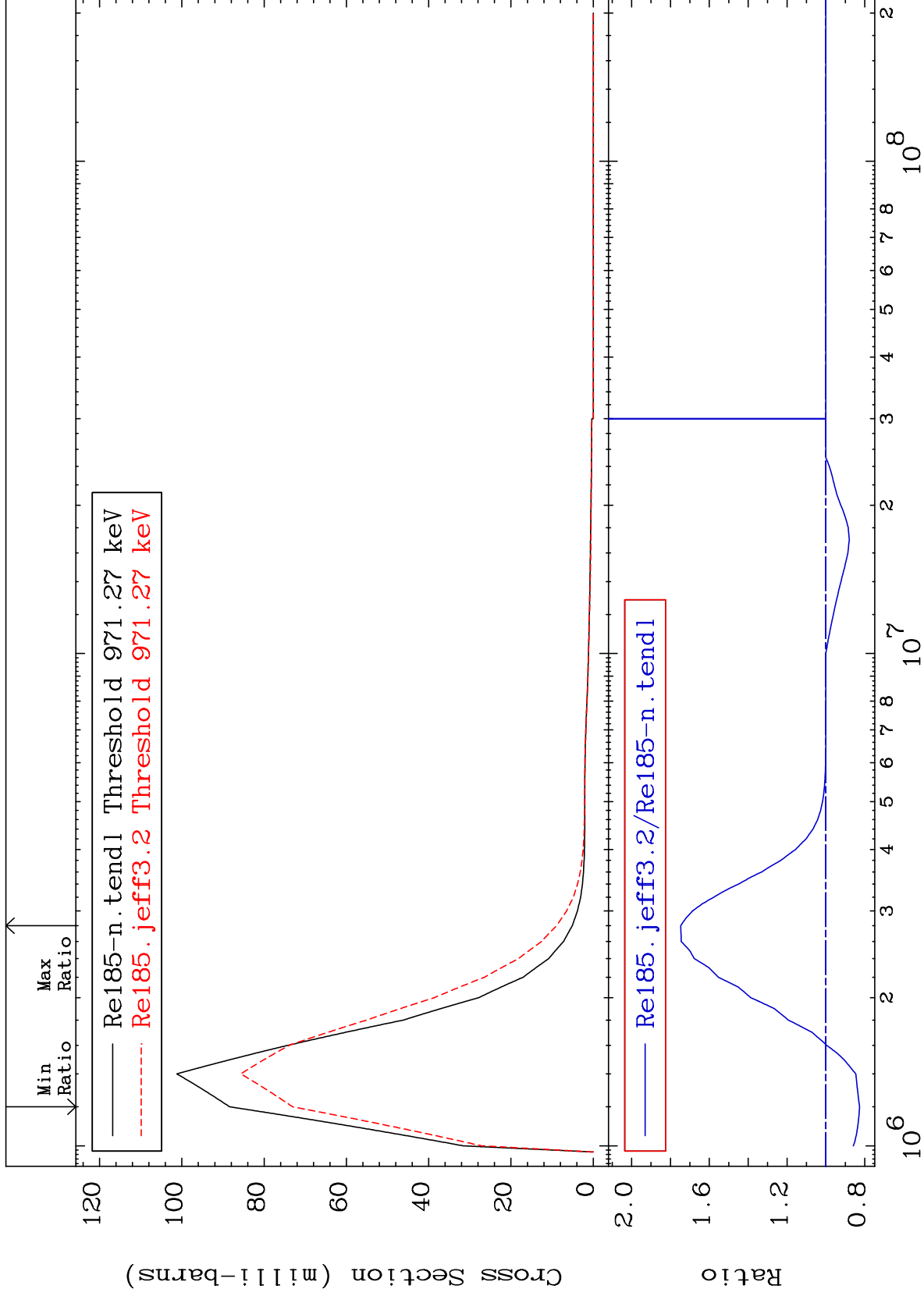
Incident Energy (eV)

<sup>75</sup>Re-<sup>185</sup>

MAT 7525

966.0 keV (n,n') Level  
Cross Section

75-Re-185  
-17.33 To 74.69 %



38

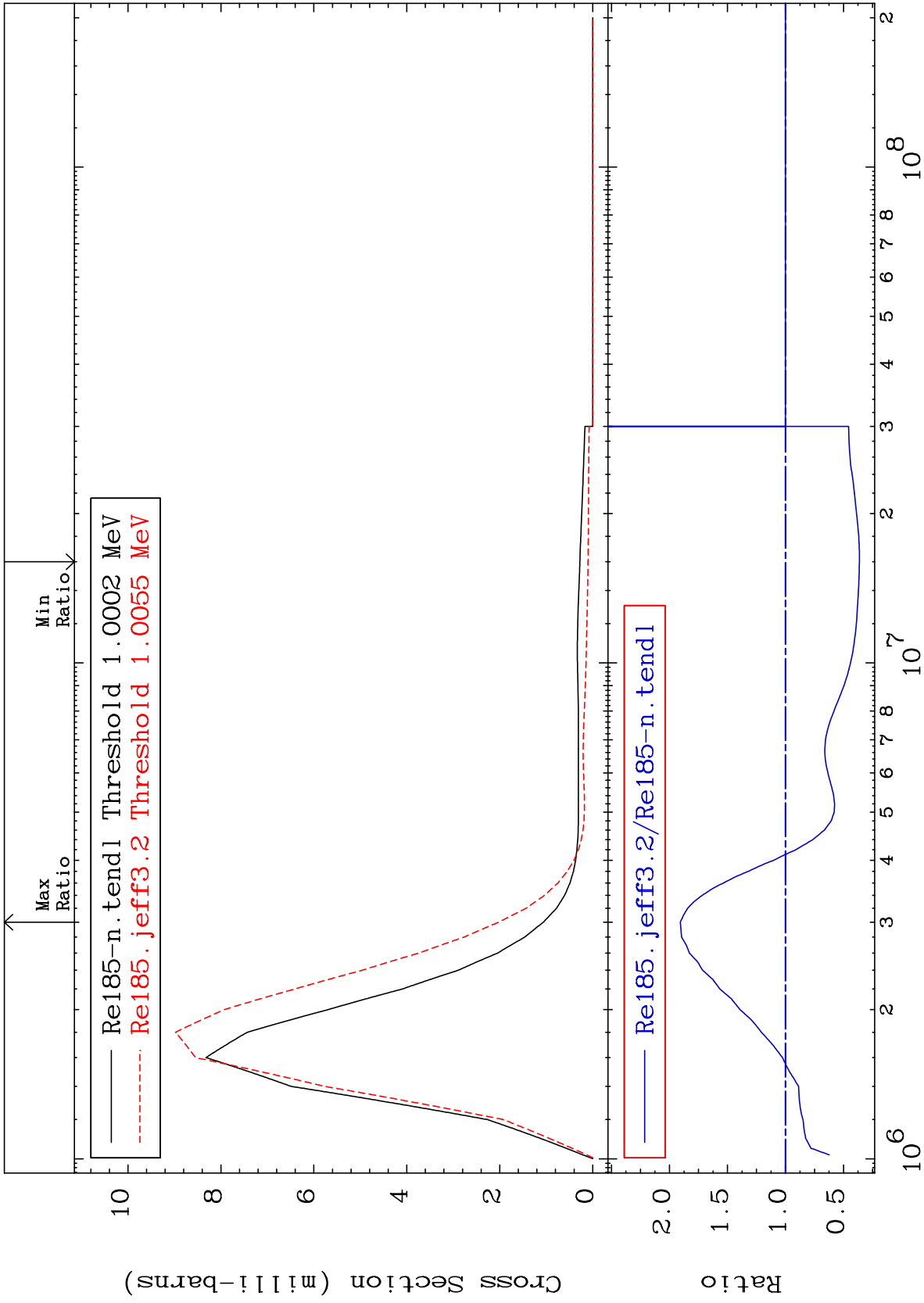
Incident Energy (eV)

75-Re-185

MAT 7525

994.8 keV (n,n') Level  
Cross Section

<sup>75</sup>Re-<sup>185</sup>Re  
-63.72 To 90.61 %



39

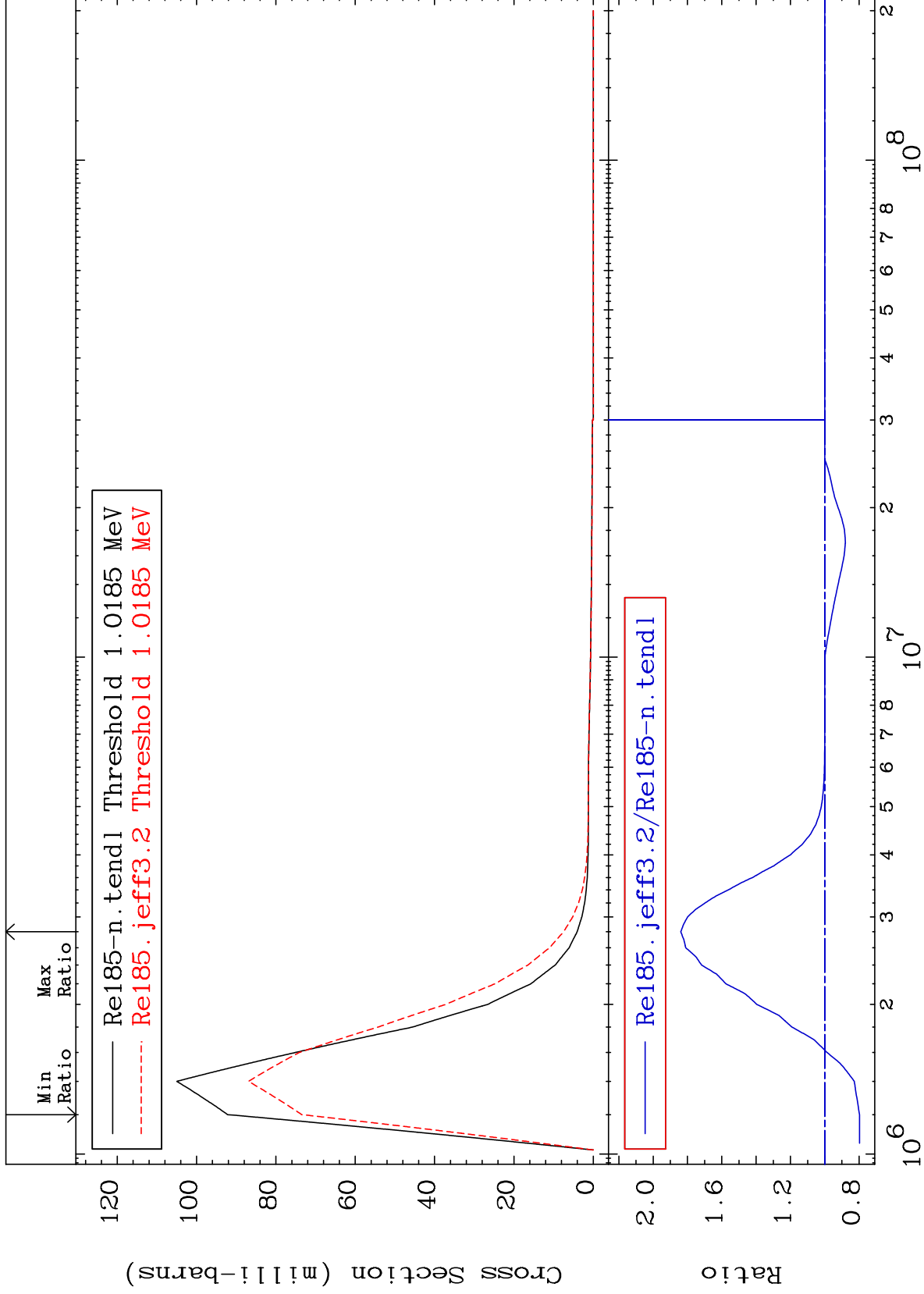
Incident Energy (eV)

<sup>75</sup>Re-<sup>185</sup>Re

MAT 7525

1.013 MeV (n,n') Level  
Cross Section

<sup>75</sup>Re-<sup>185</sup>Re  
-20.26 To 83.91 %



40

Incident Energy (eV)

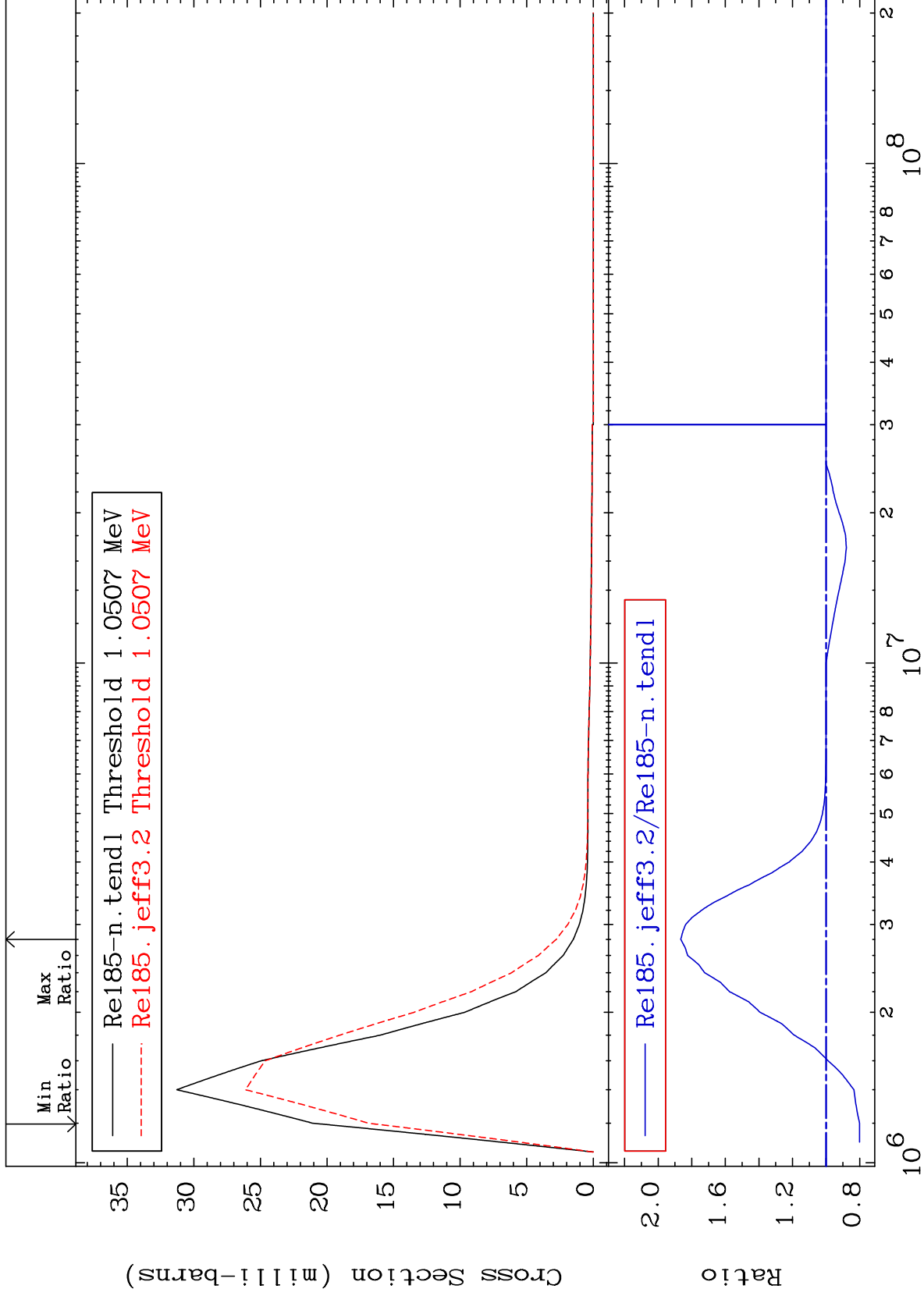
<sup>75</sup>Re-<sup>185</sup>Re



MAT 7525

1.045 MeV (n,n') Level  
Cross Section

75-Re-185  
-19.90 To 86.54 %



41

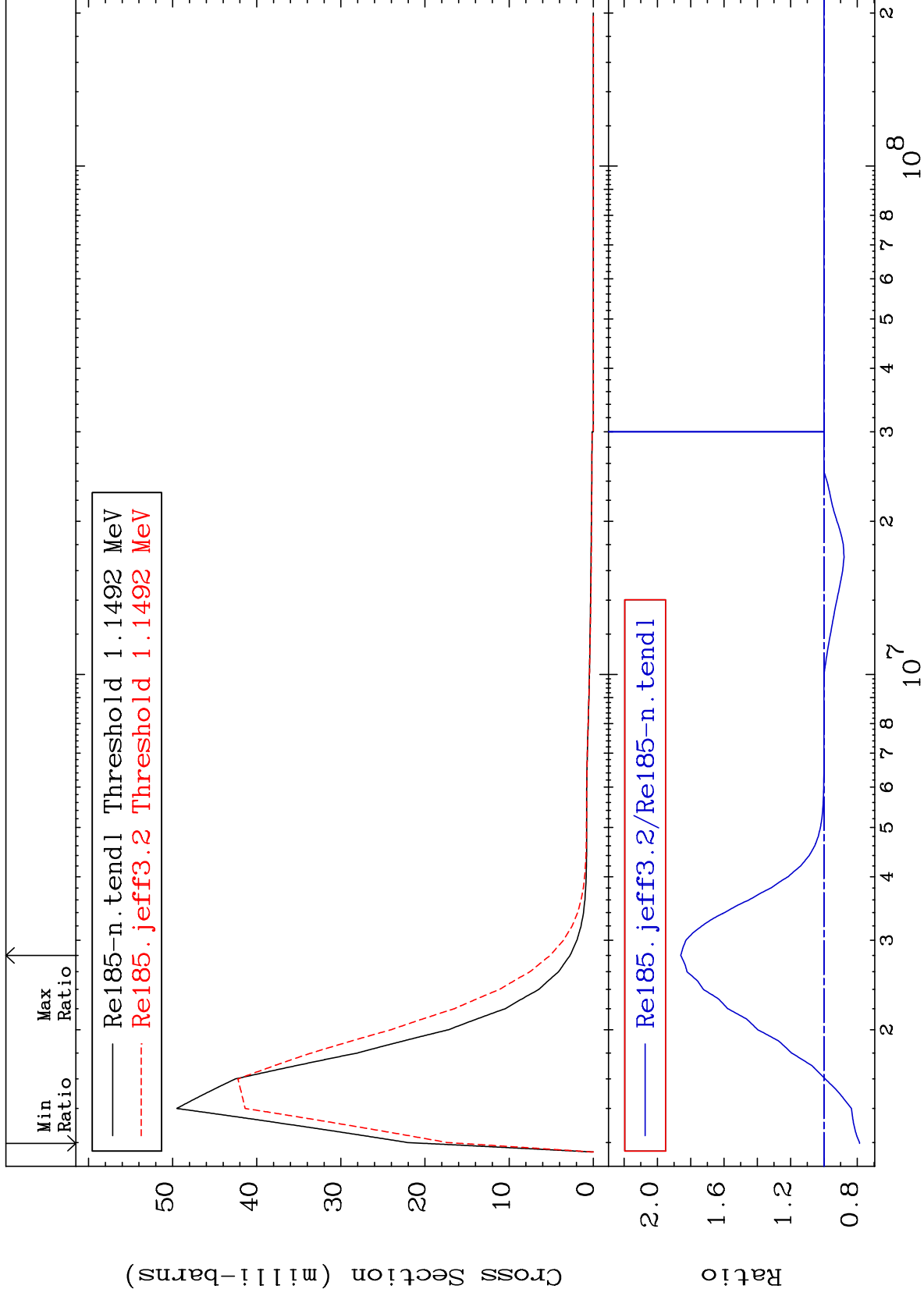
Incident Energy (eV)

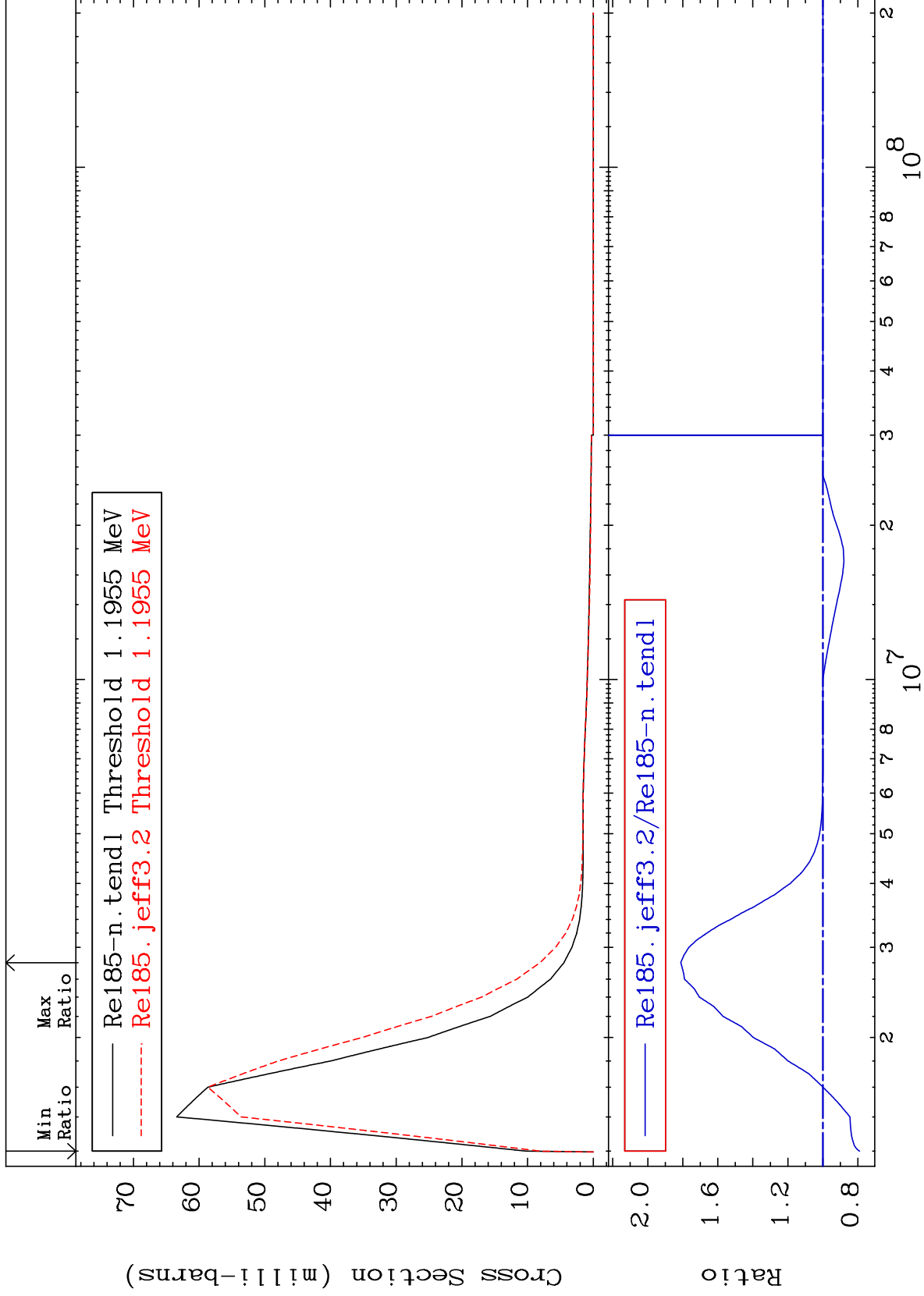
75-Re-185

MAT 7525

1.143 MeV (n,n') Level  
Cross Section

<sup>75</sup>Re-<sup>185</sup>Re  
-21.32 To 85.95 %

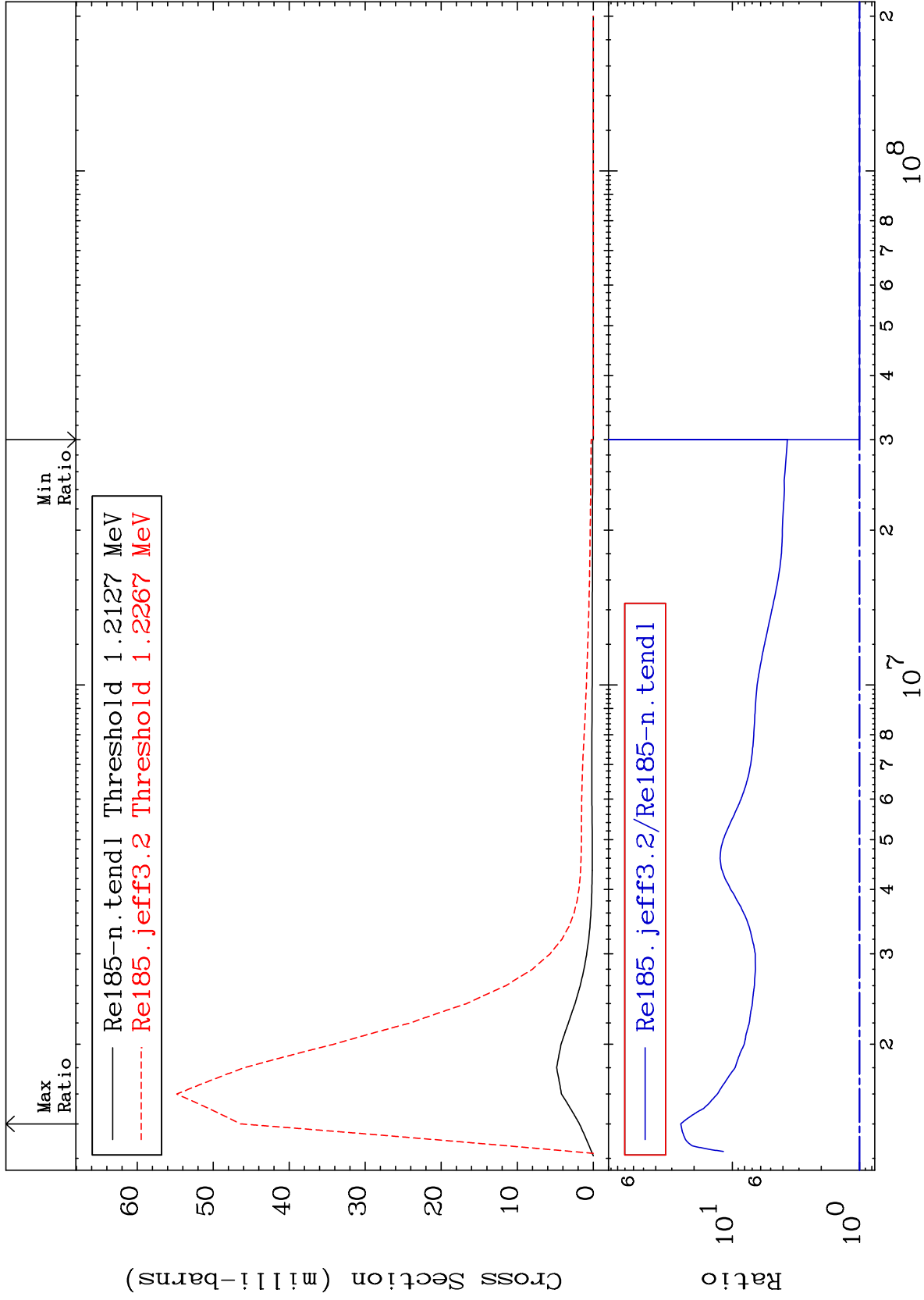


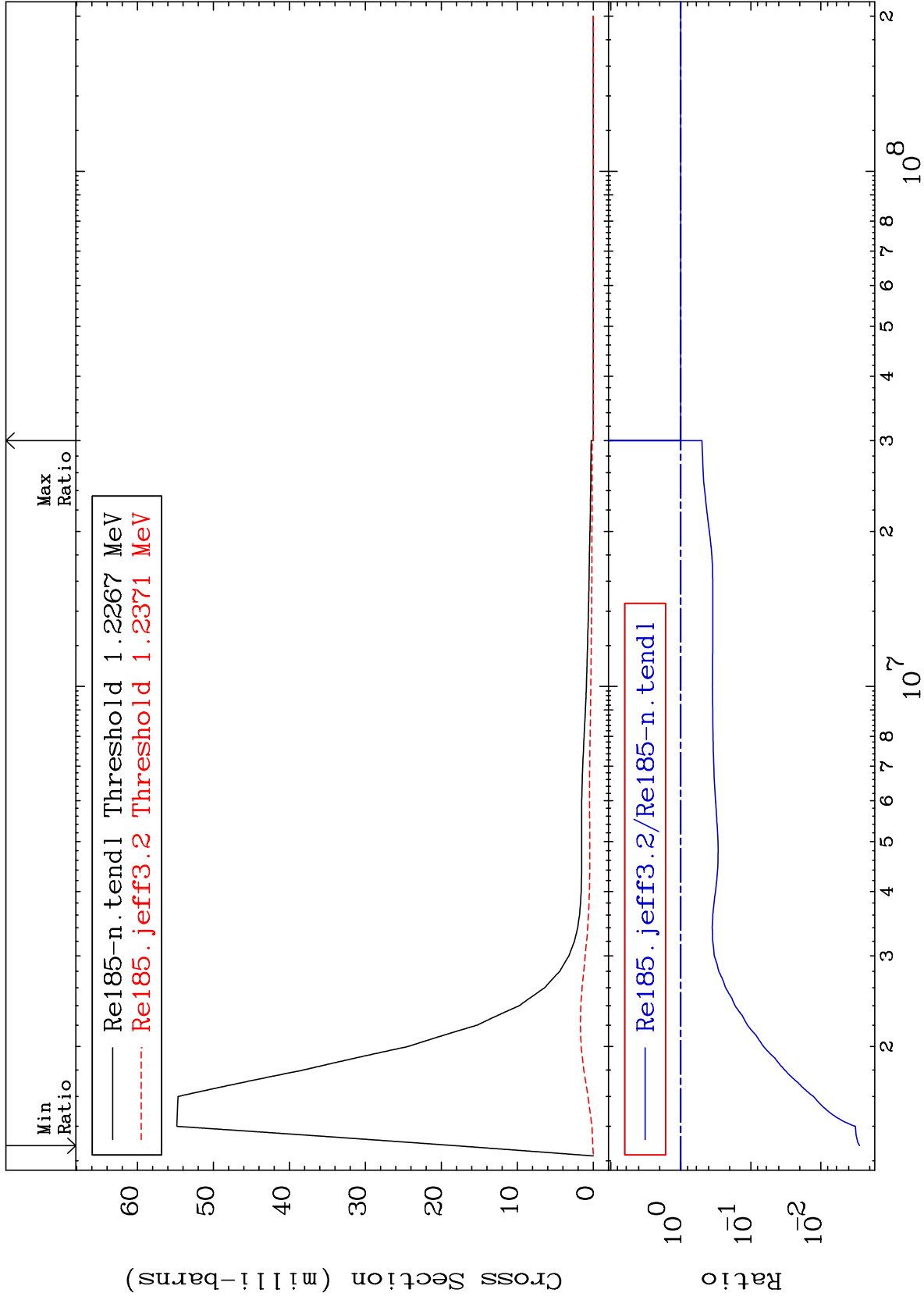


MAT 7525

1.206 MeV (n,n') Level  
Cross Section

<sup>75</sup>Re-<sup>185</sup>Re  
To 2447. %

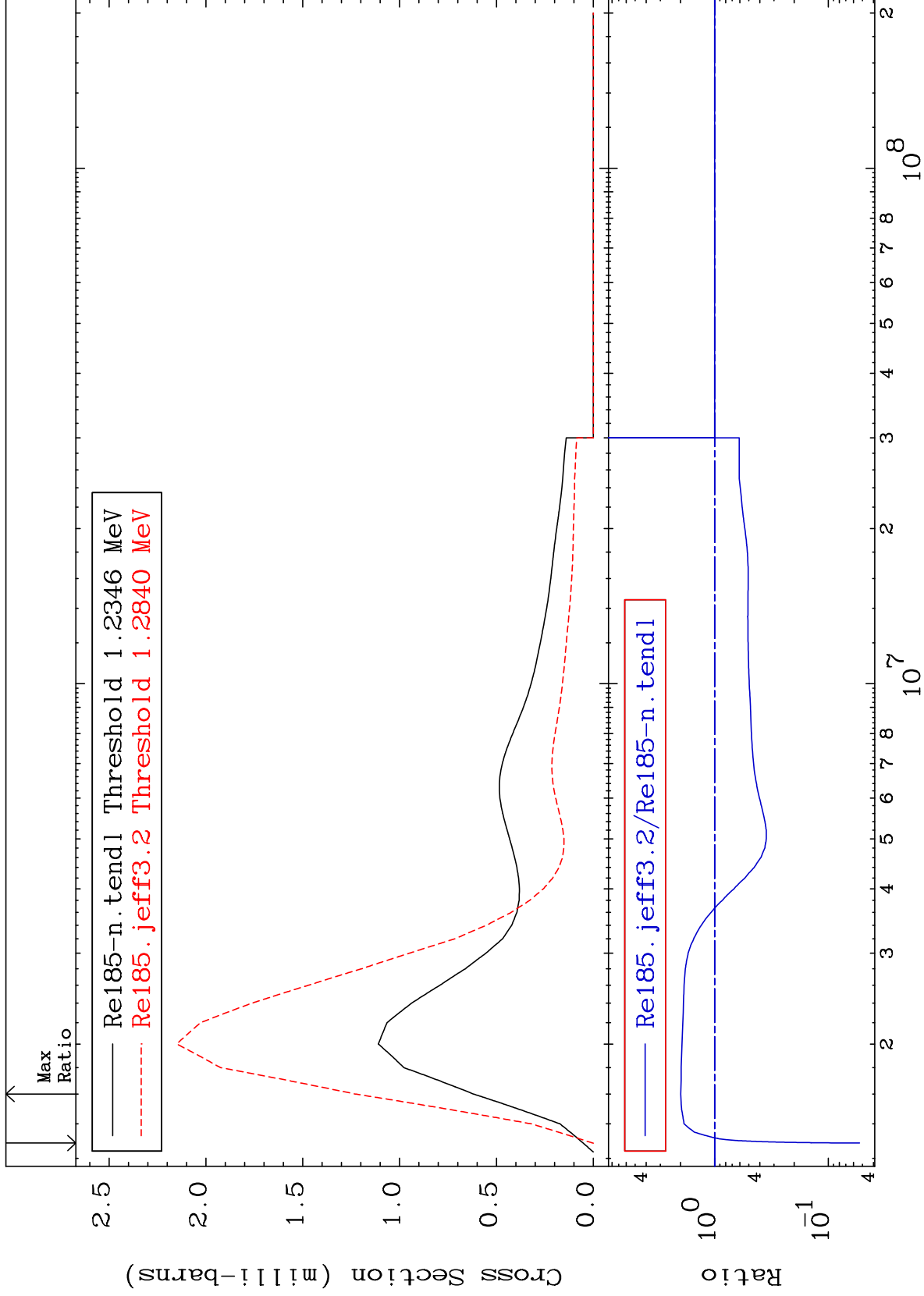




MAT 7525

1.228 MeV (n,n') Level  
Cross Section

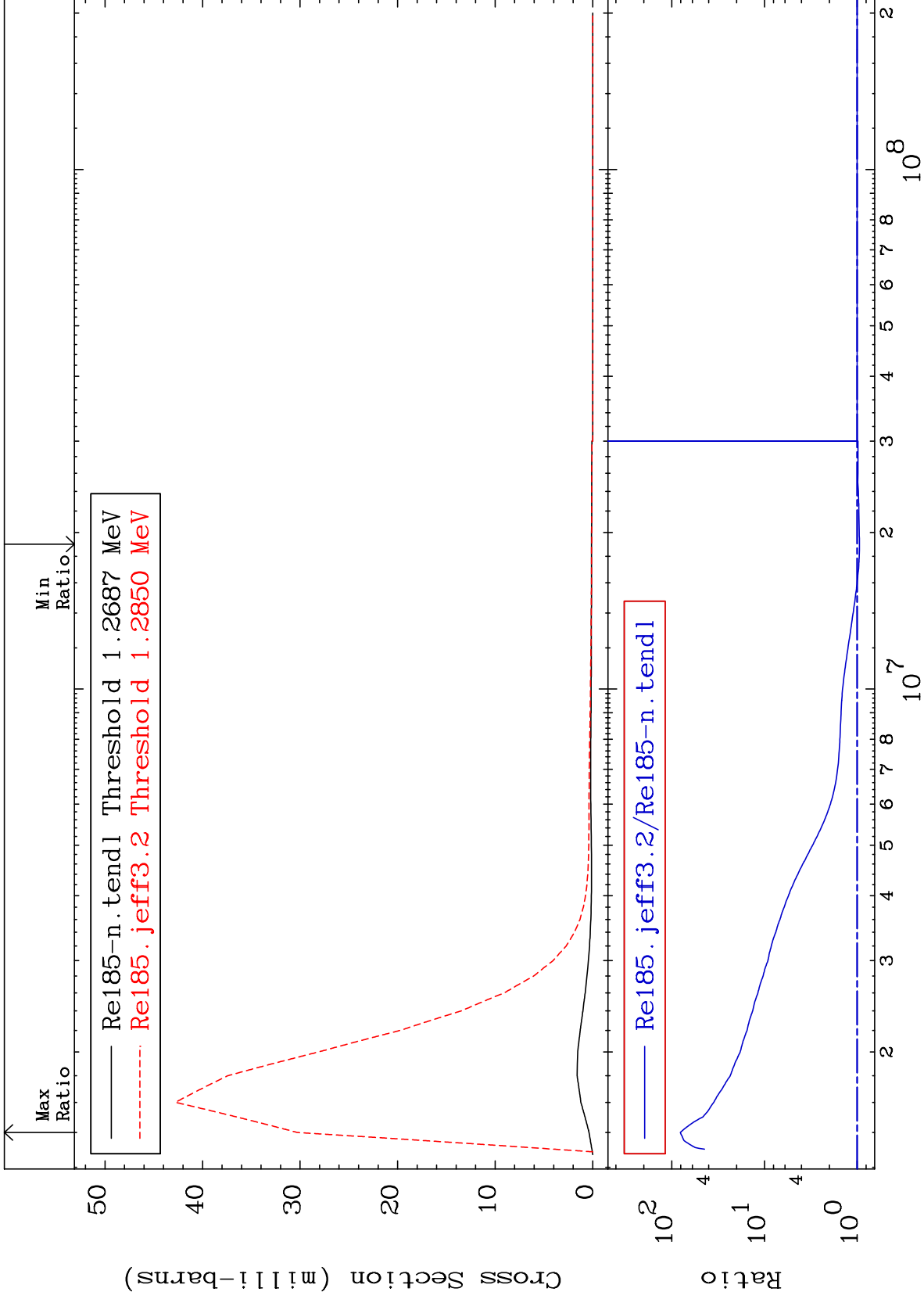
<sup>75</sup>Re-<sup>185</sup>Re  
-94.69 To 98.61 %



MAT 7525

1.262 MeV (n,n') Level  
Cross Section

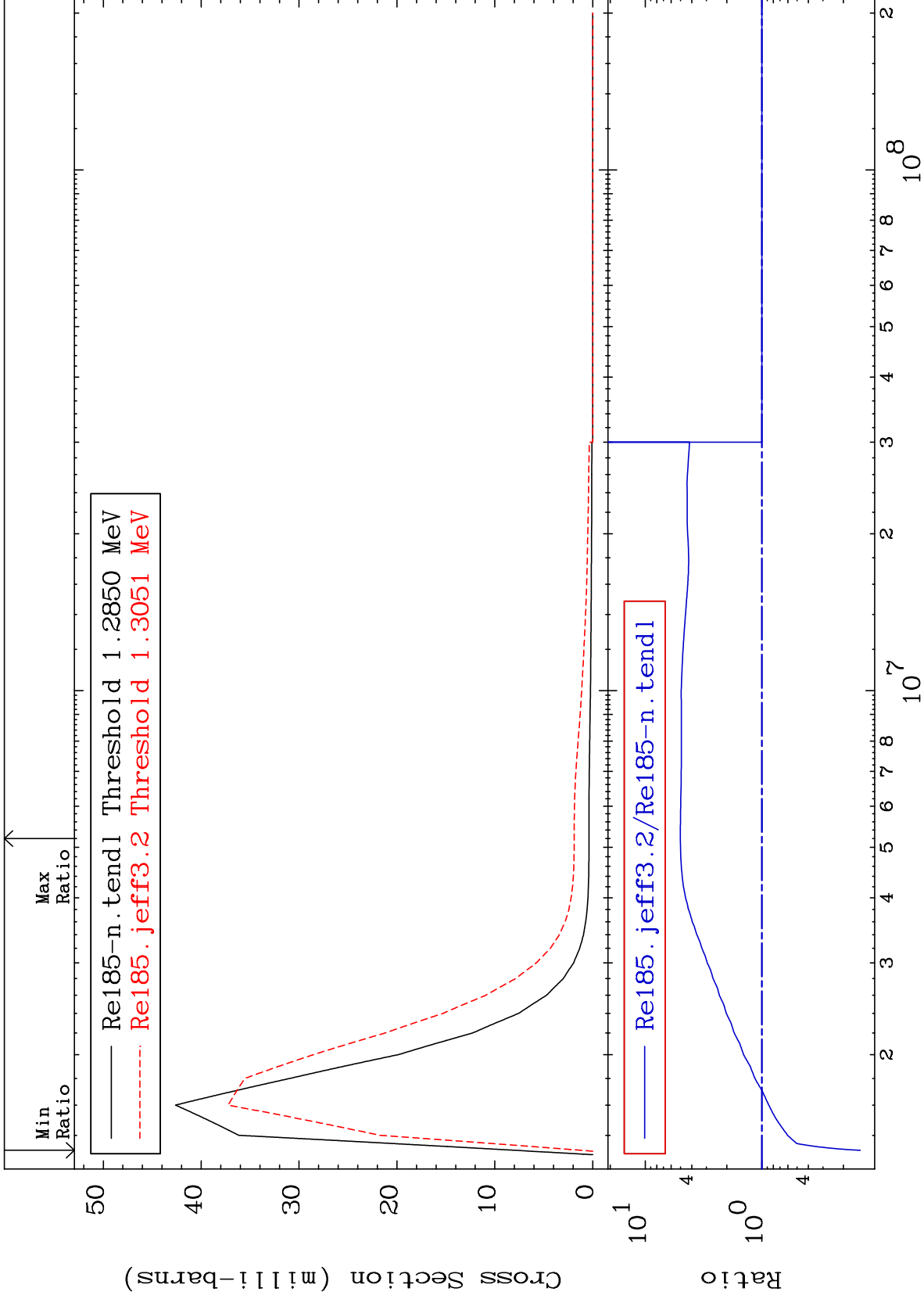
75-Re-185  
-5.374 To 7983. %



MAT 7525

1.278 MeV (n,n') Level  
Cross Section

<sup>75</sup>Re-<sup>185</sup>Re  
-85.42 To 400.9 %

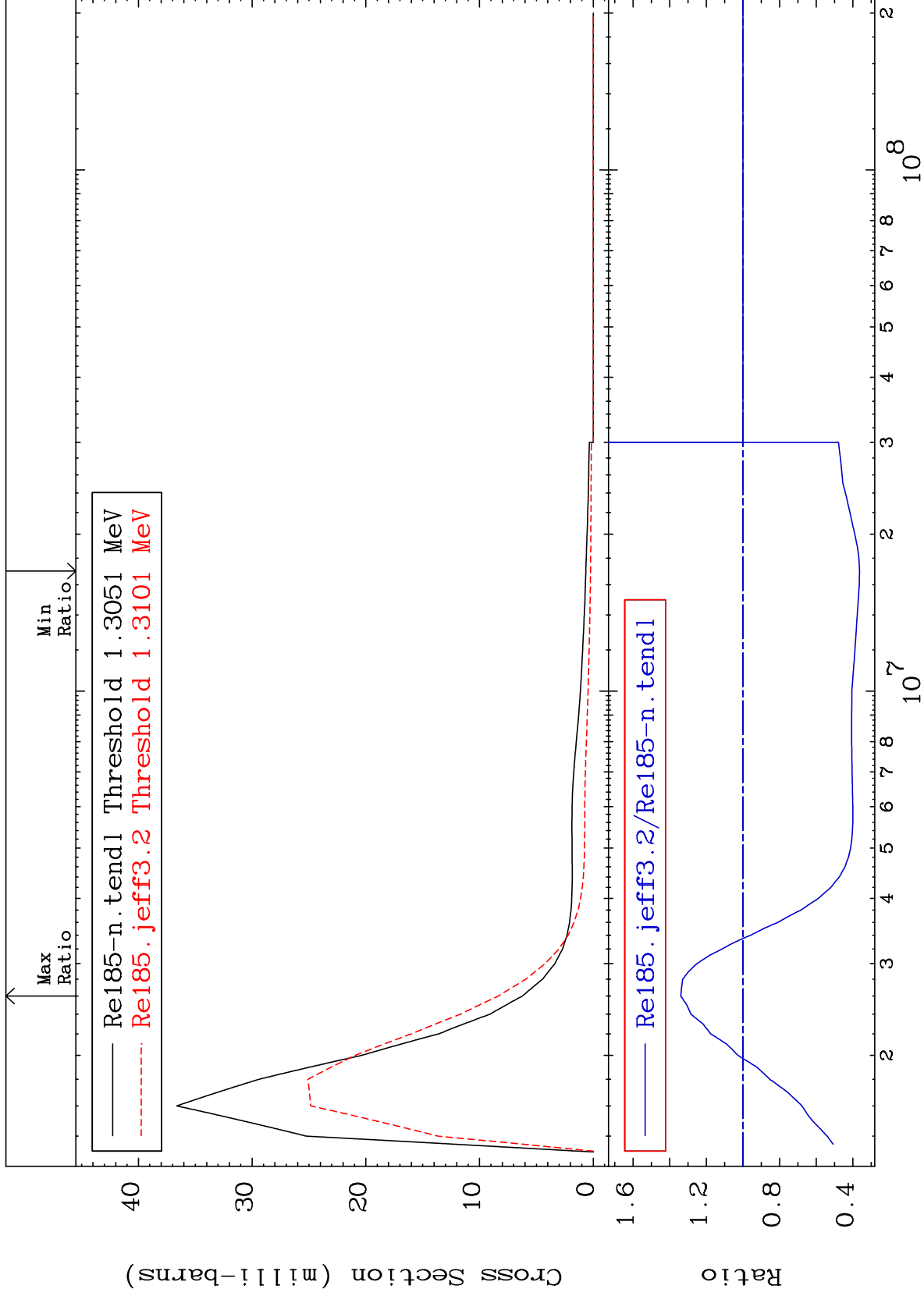




MAT 7525

1.298 MeV (n,n') Level  
Cross Section

<sup>75</sup>Re-<sup>185</sup>Re  
-63.64 To 33.95 %



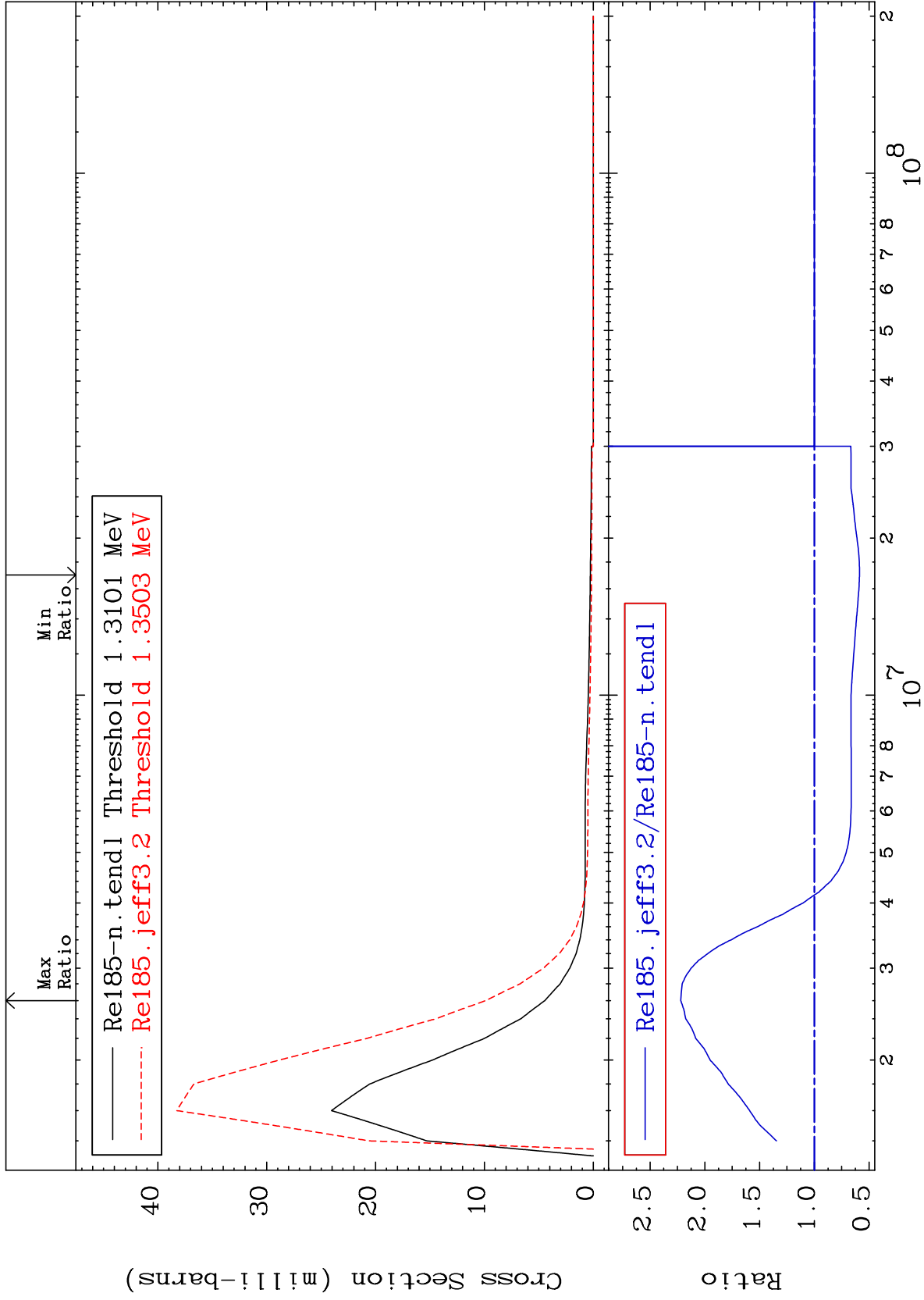
MAT 7525

1.303 MeV (n,n') Level

<sup>75</sup>Re-<sup>185</sup>

-41.26 To 122.0 %

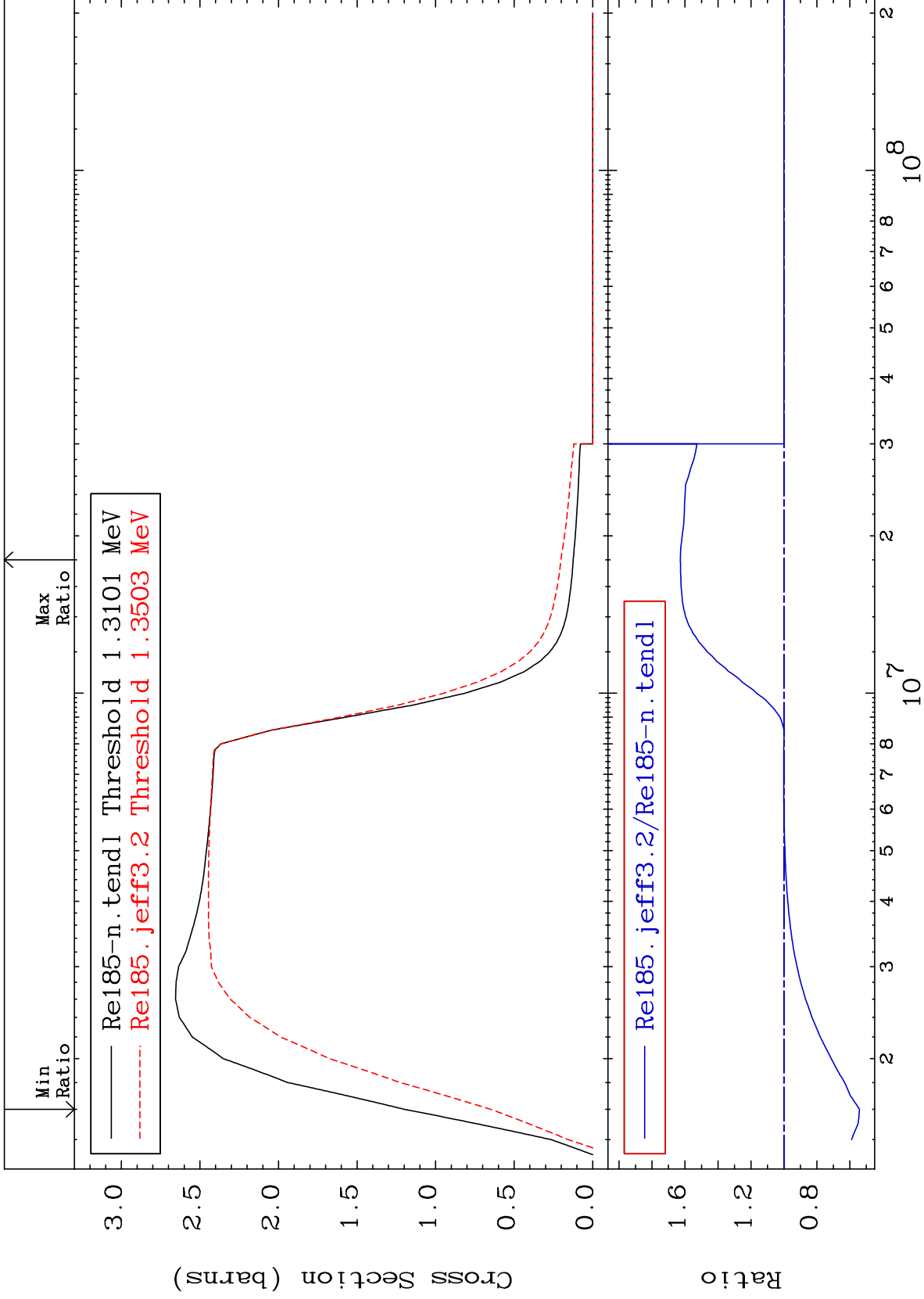
Cross Section



MAT 7525

(n, n') Continuum  
Cross Section

75-Re-185  
-45.80 To 62.81 %



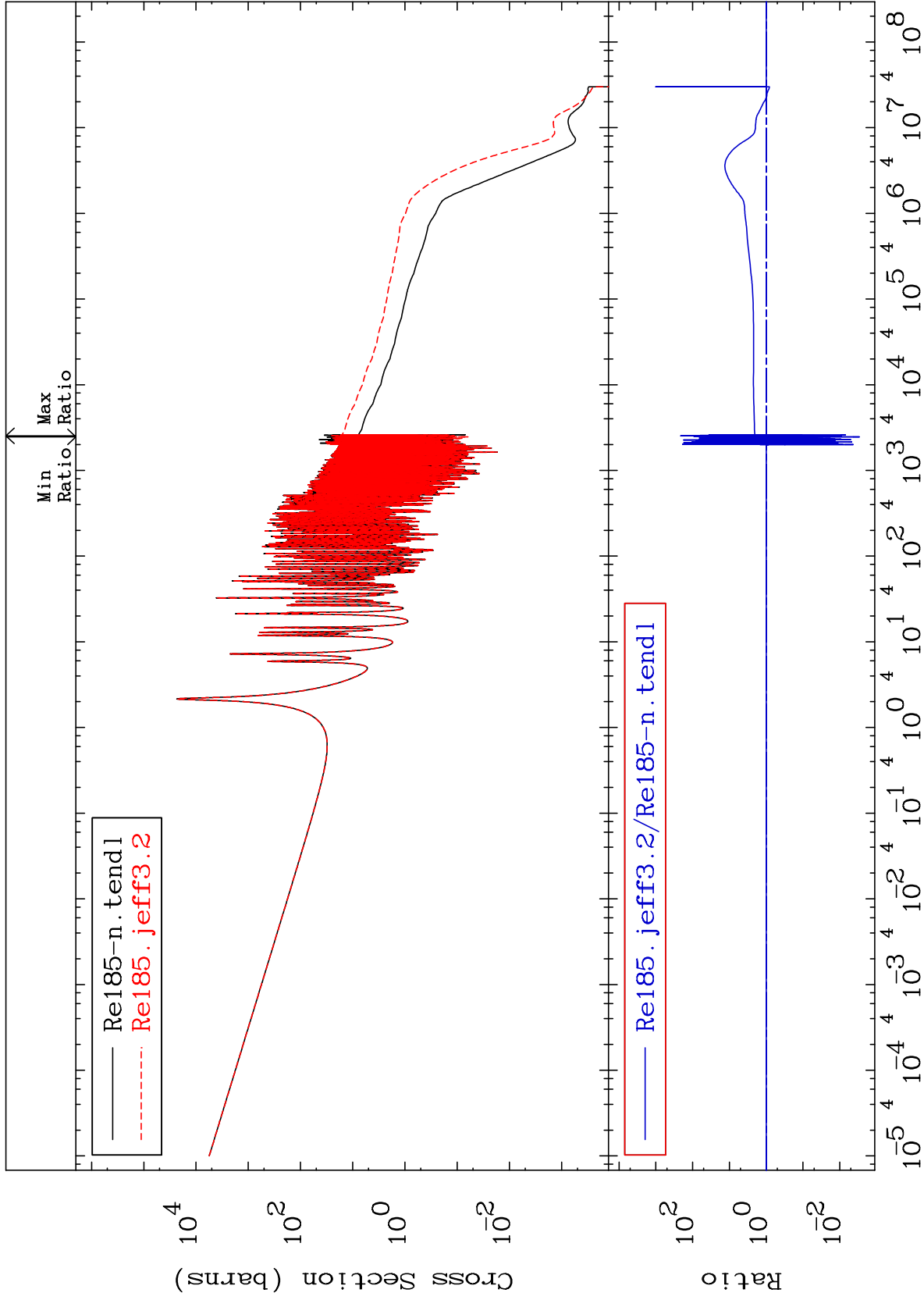
MAT 7525

(n,  $\gamma$ )

75-Re-185

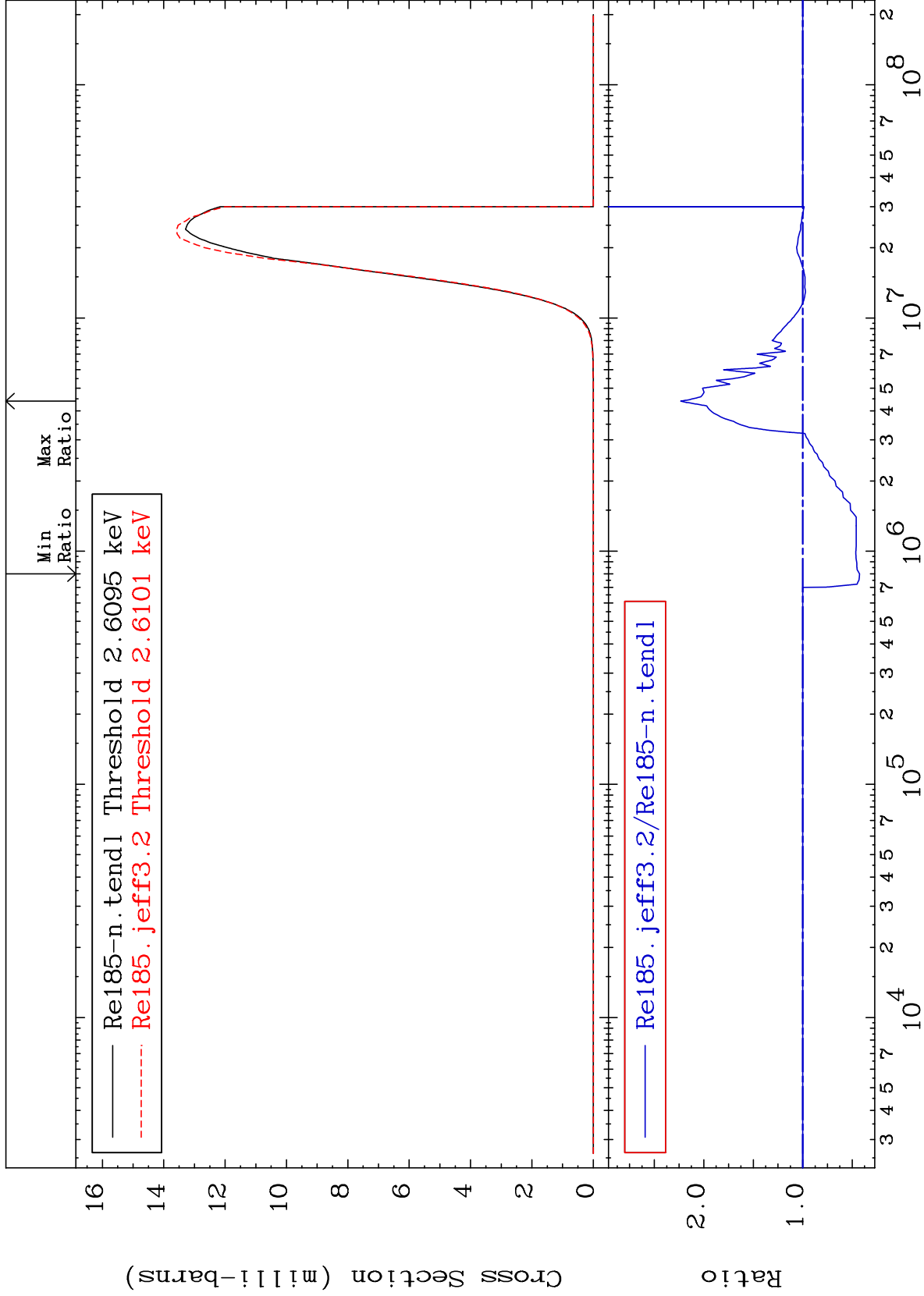
Cross Section

-99.71 To 9999. %



(n,p)  
Cross Section

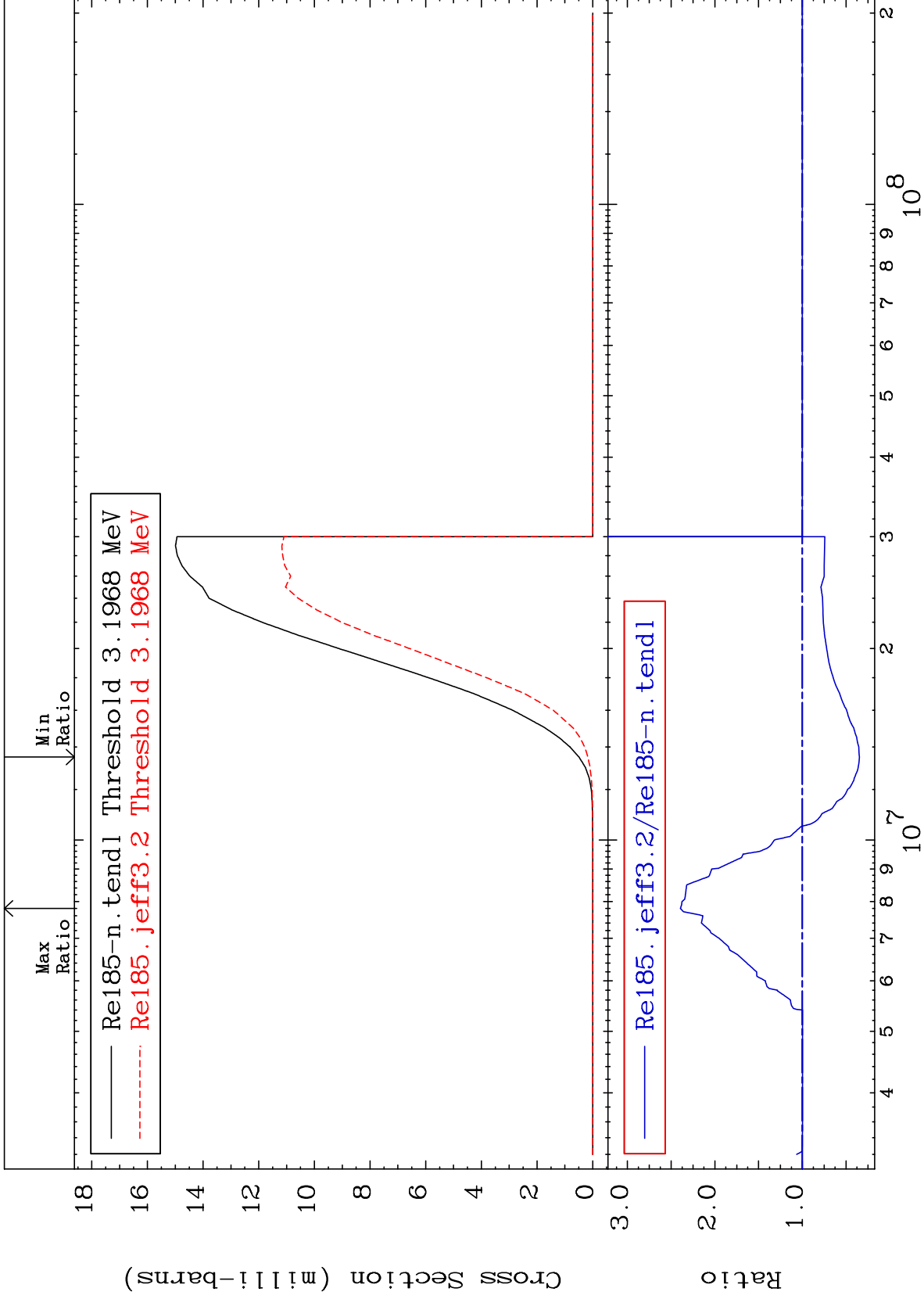
-57.40 To 123.3 %



MAT 7525

(n, d)  
Cross Section

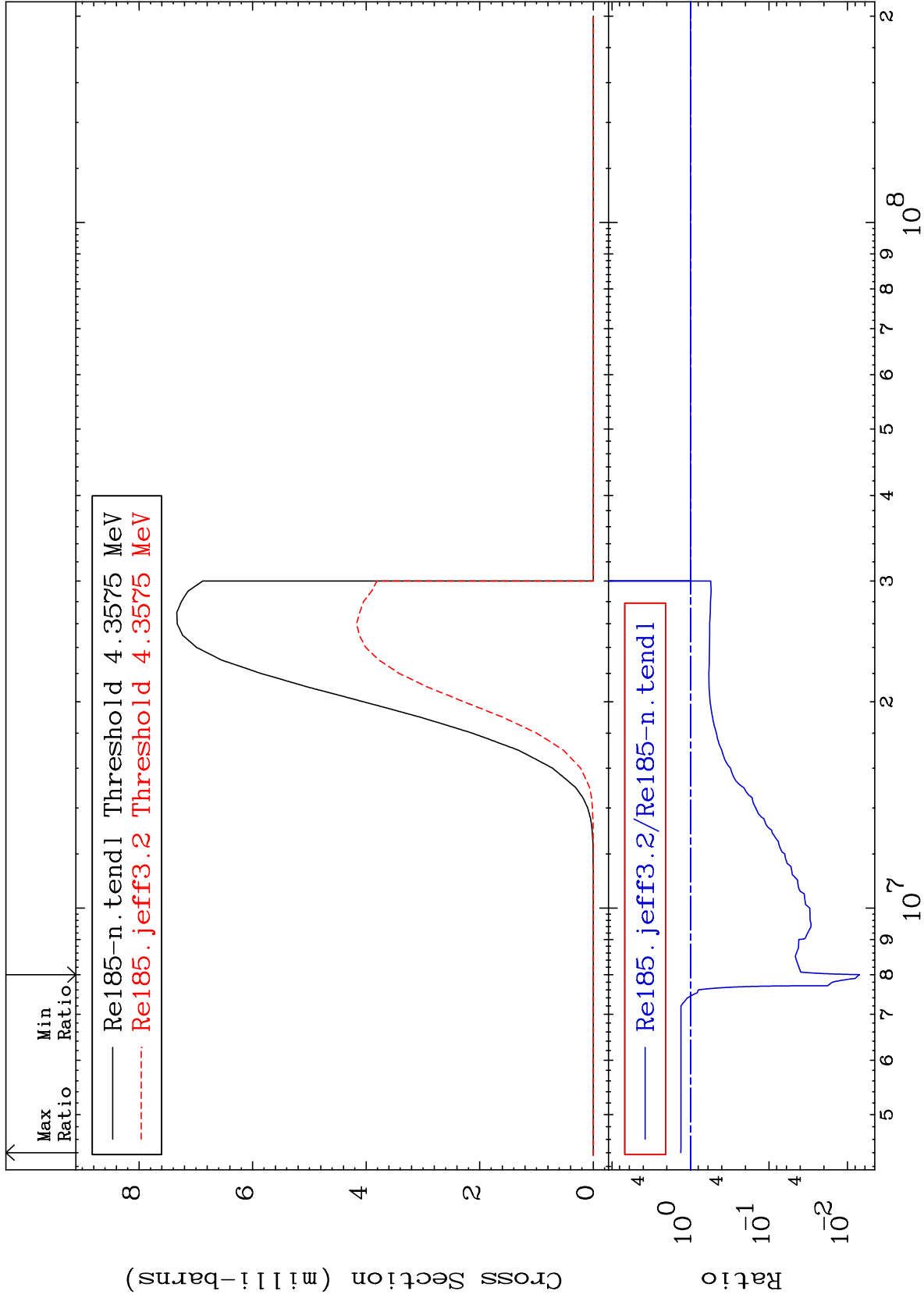
<sup>75</sup>Re-<sup>185</sup>Re  
-65.31 To 139.5 %

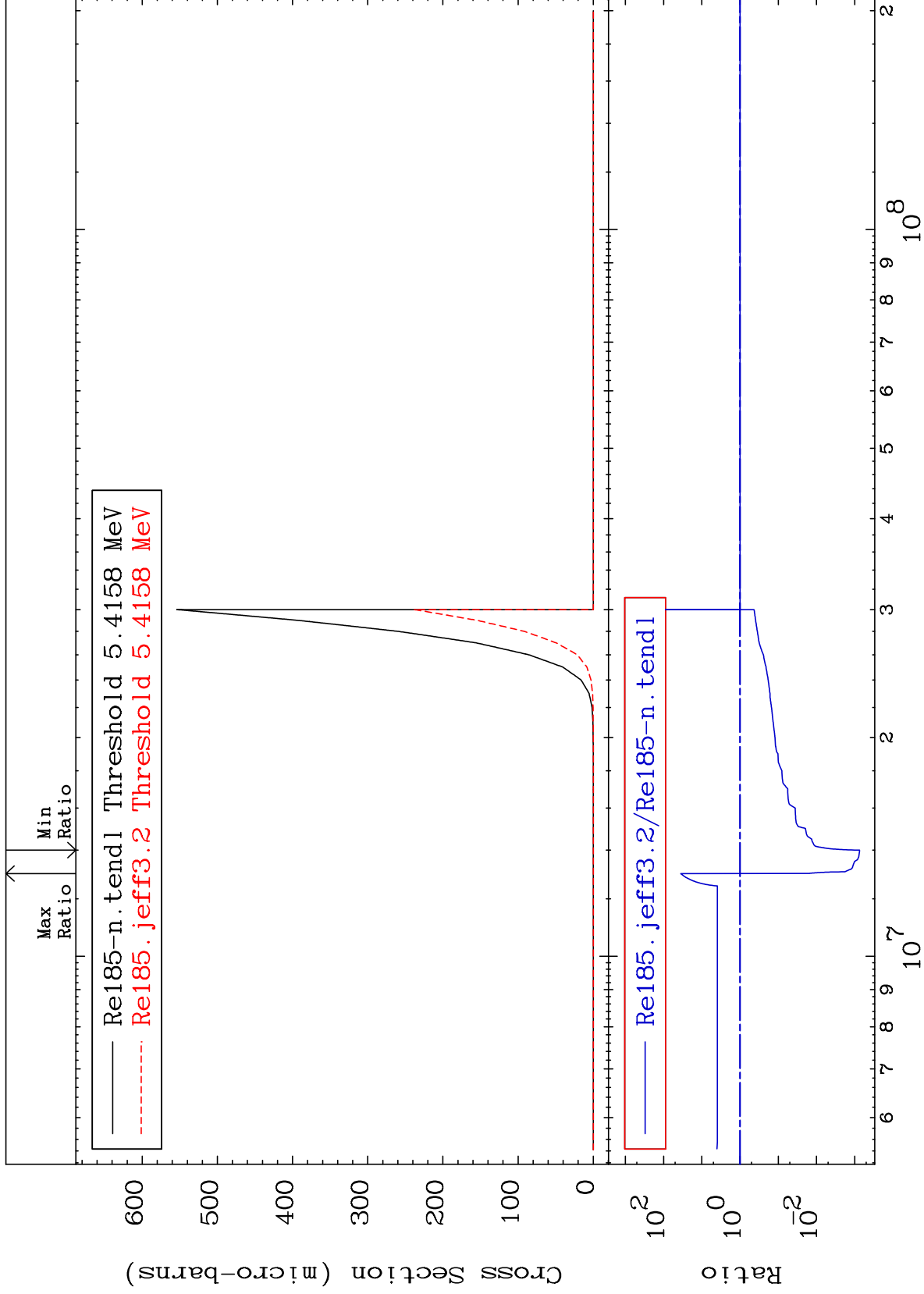


MAT 7525

(n, t)  
Cross Section

<sup>75</sup>Re-<sup>185</sup>Re  
-99.30 To 33.05 %







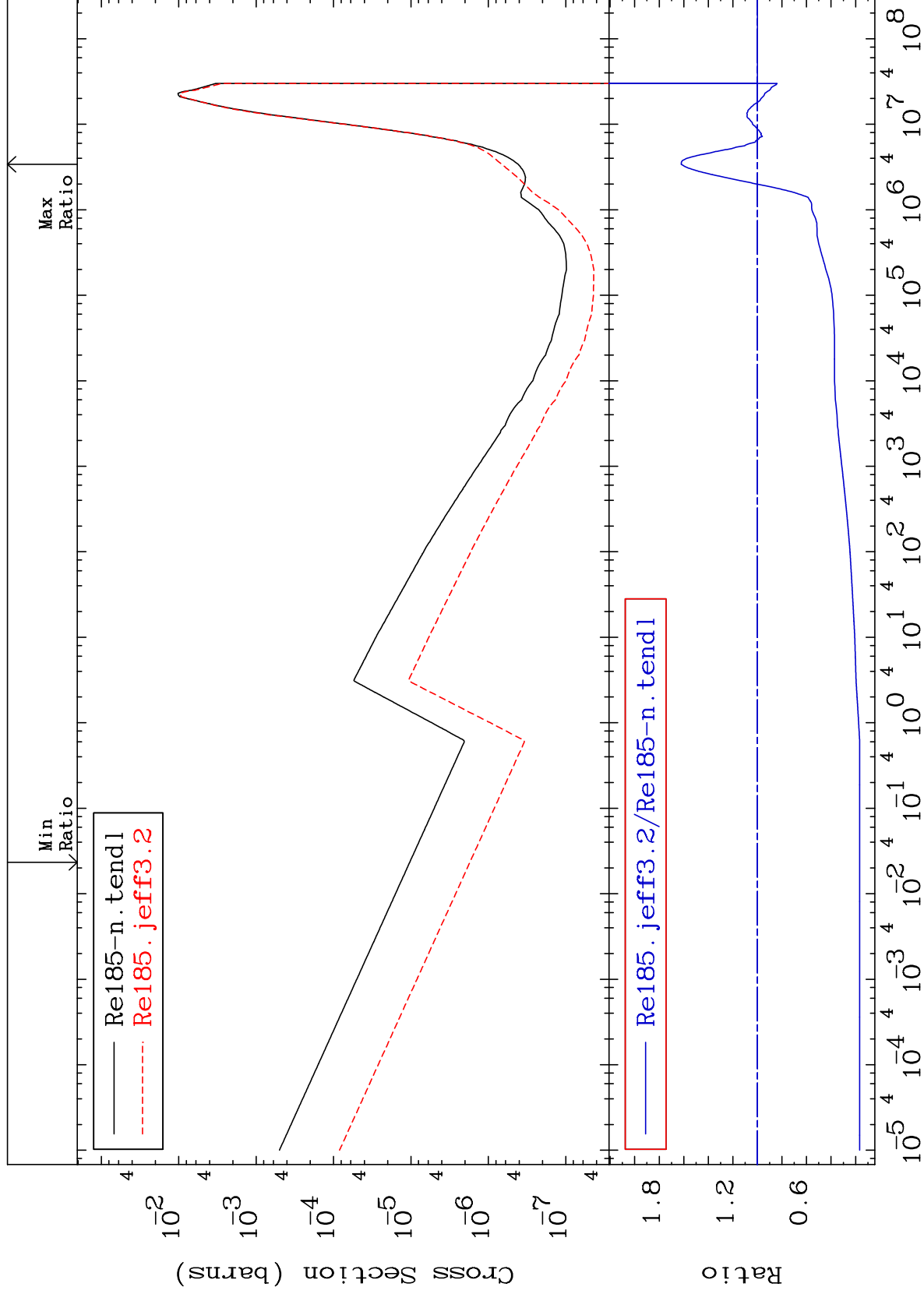
MAT 7525

(n,  $\alpha$ )

Cross Section

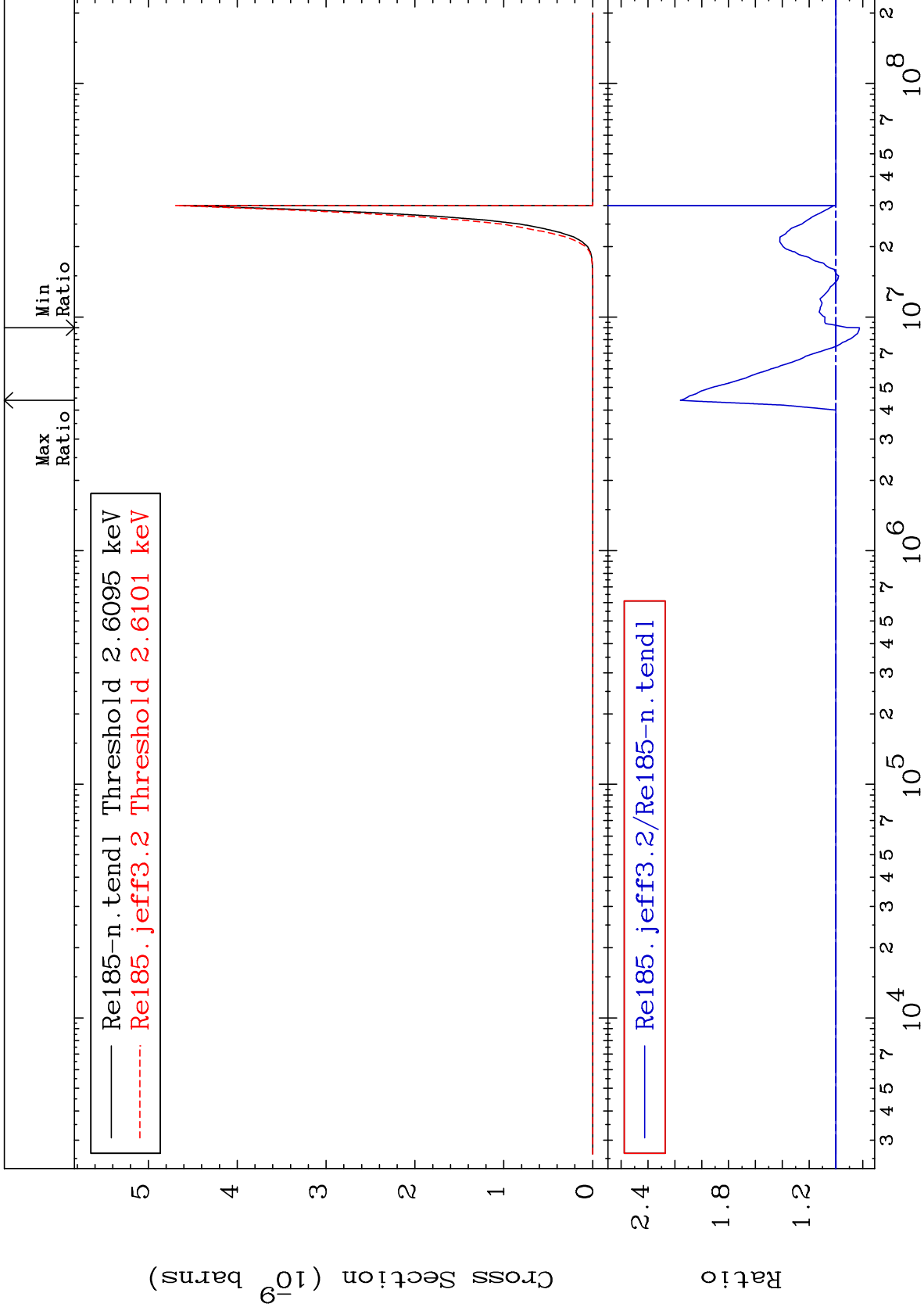
75-Re-185

-83.29 To 62.11 %



Cross Section

-17.52 To 115.9 %



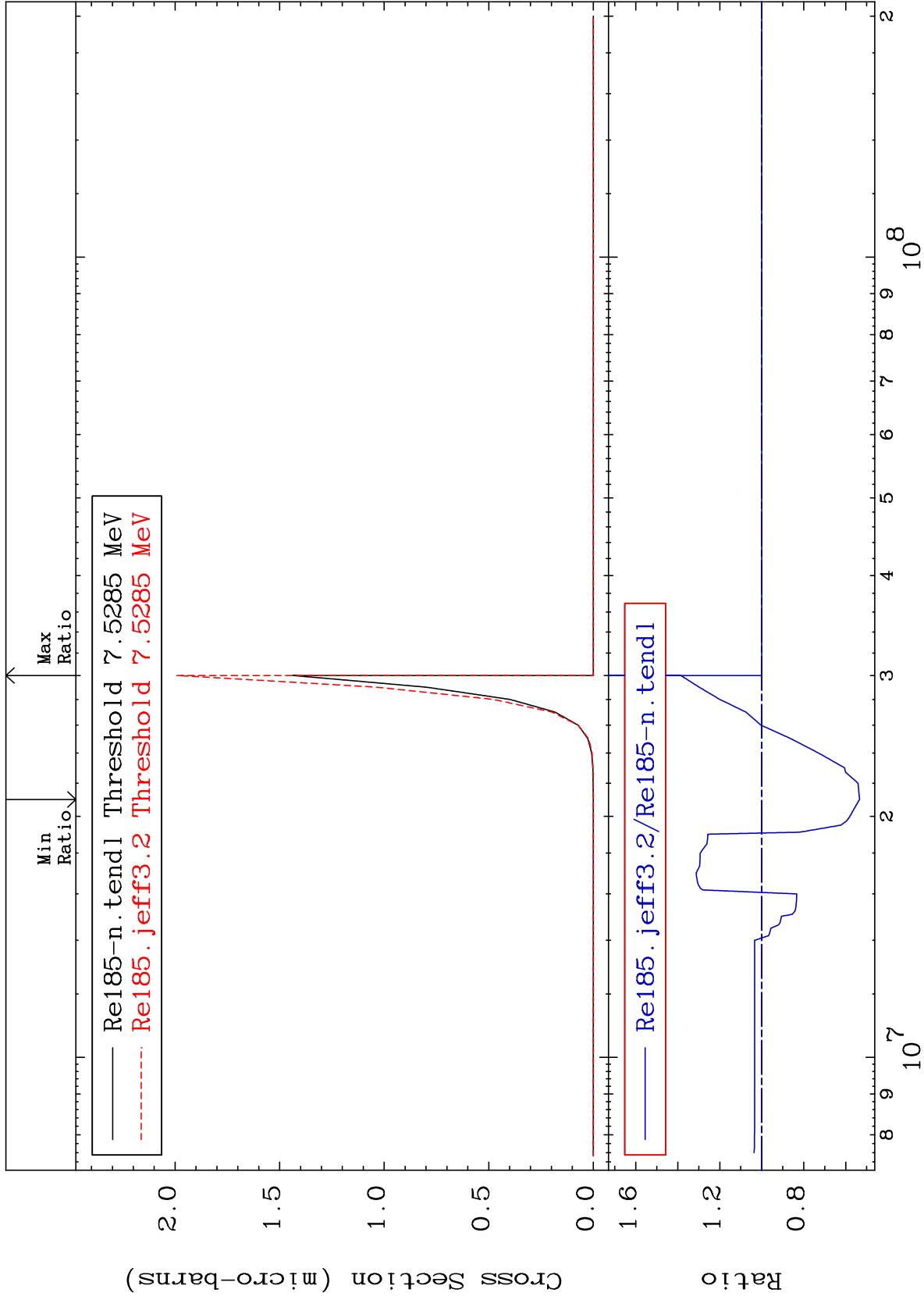
MAT 7525

(n,2p)

<sup>75</sup>Re-<sup>185</sup>

Cross Section

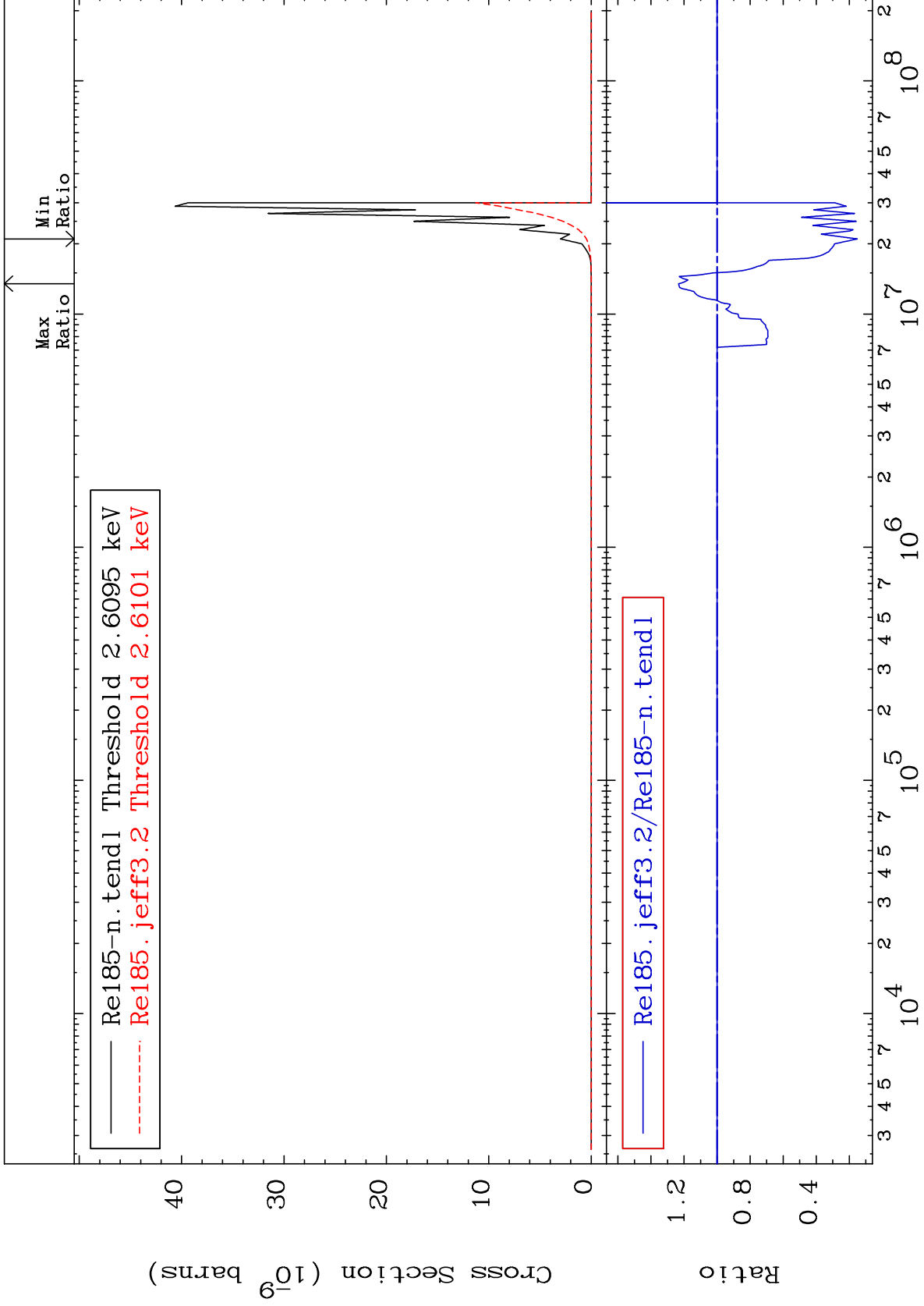
-46.58 To 38.58 %



MAT 7525

(n, p)  $\alpha$   
Cross Section

75-Re-185  
-84.81 To 23.26 %



60

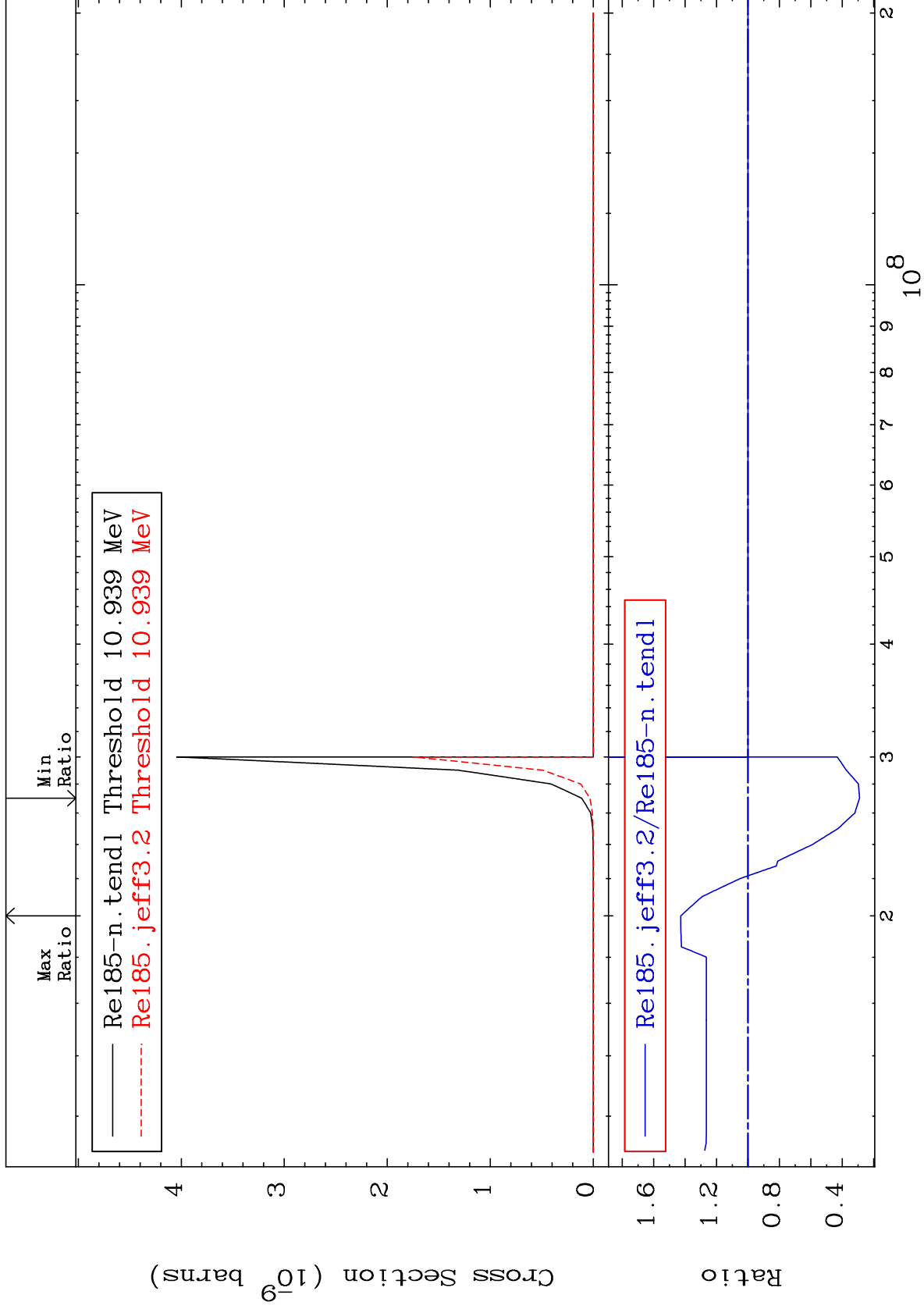
Incident Energy (eV)

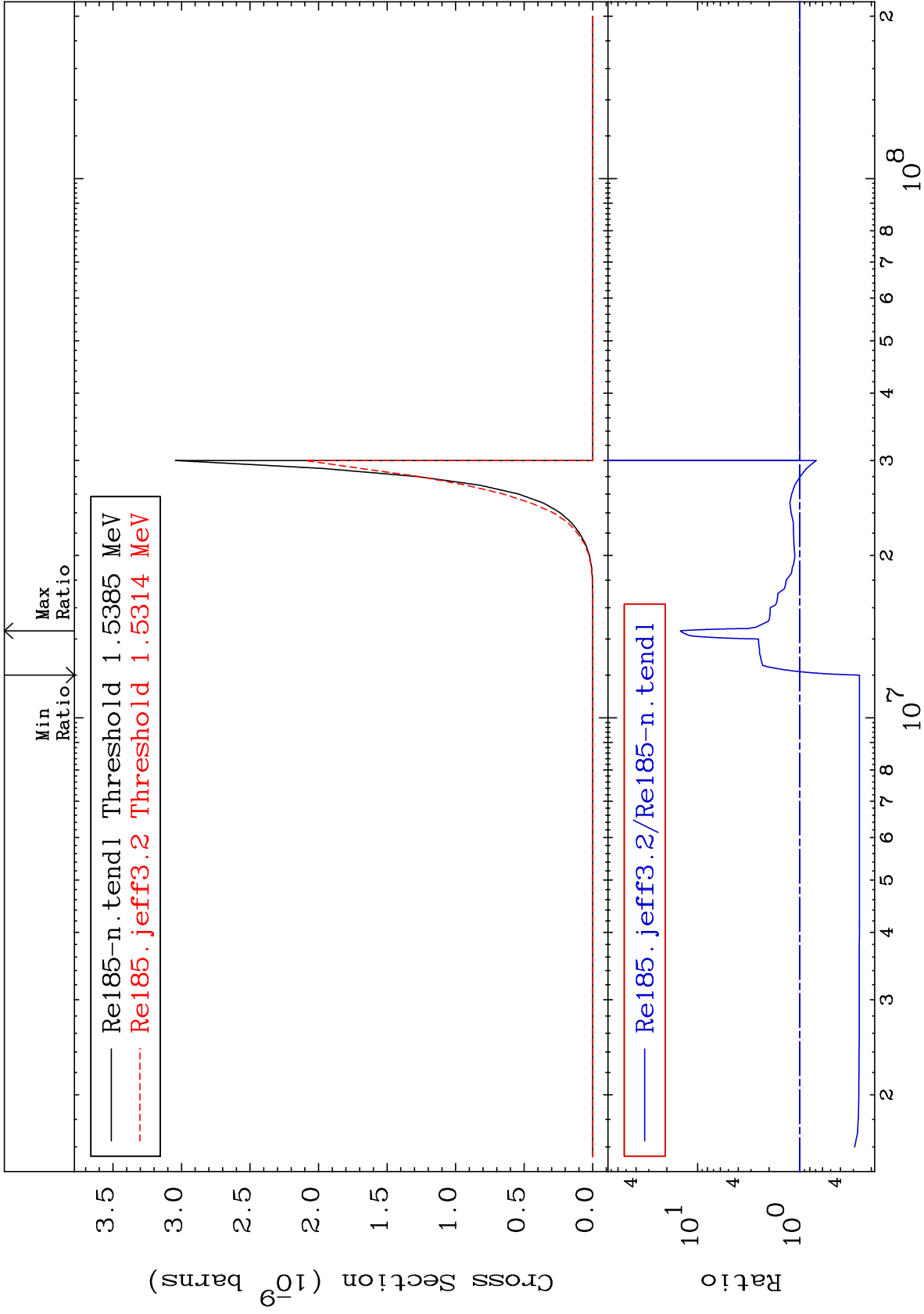
75-Re-185

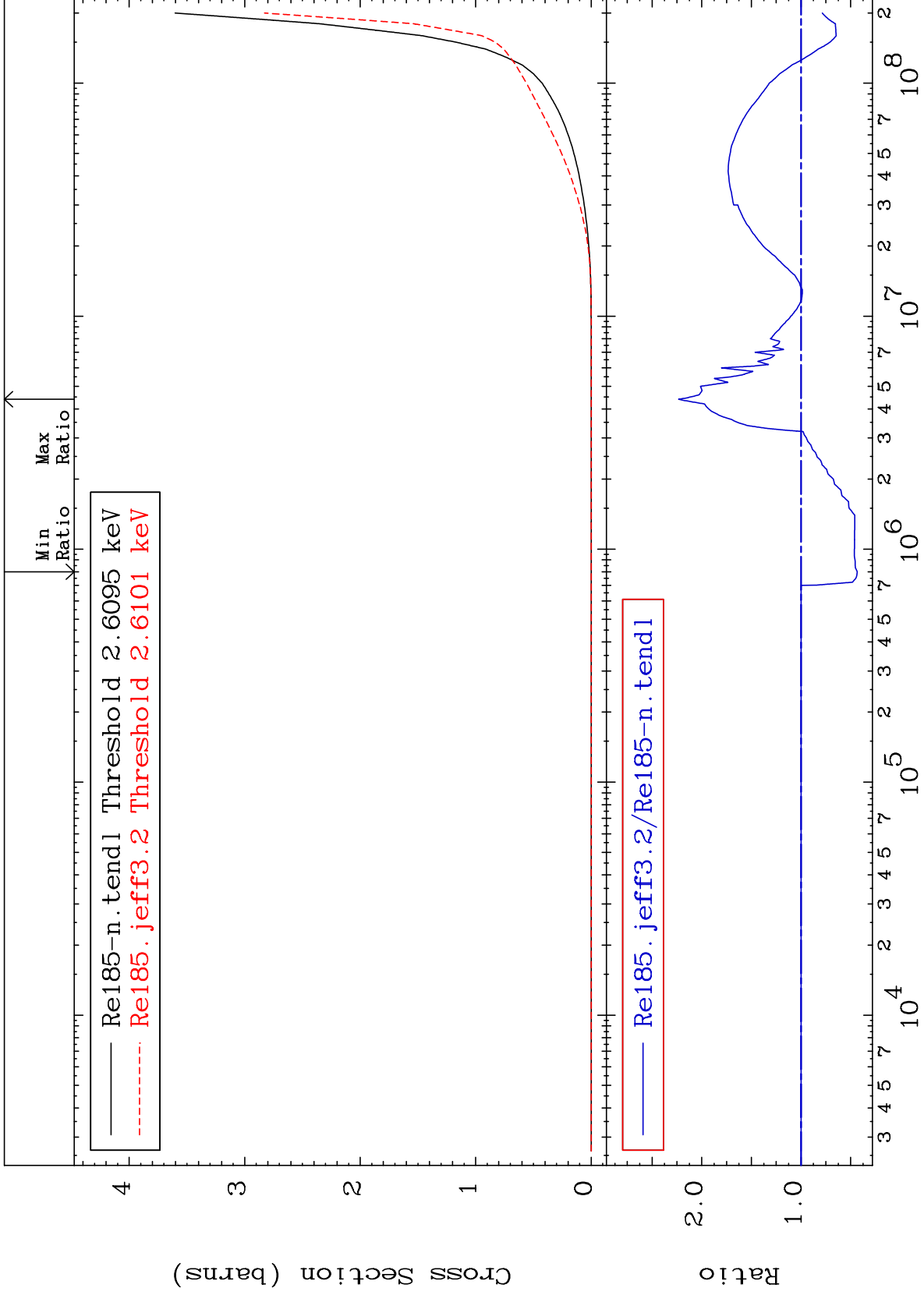
MAT 7525

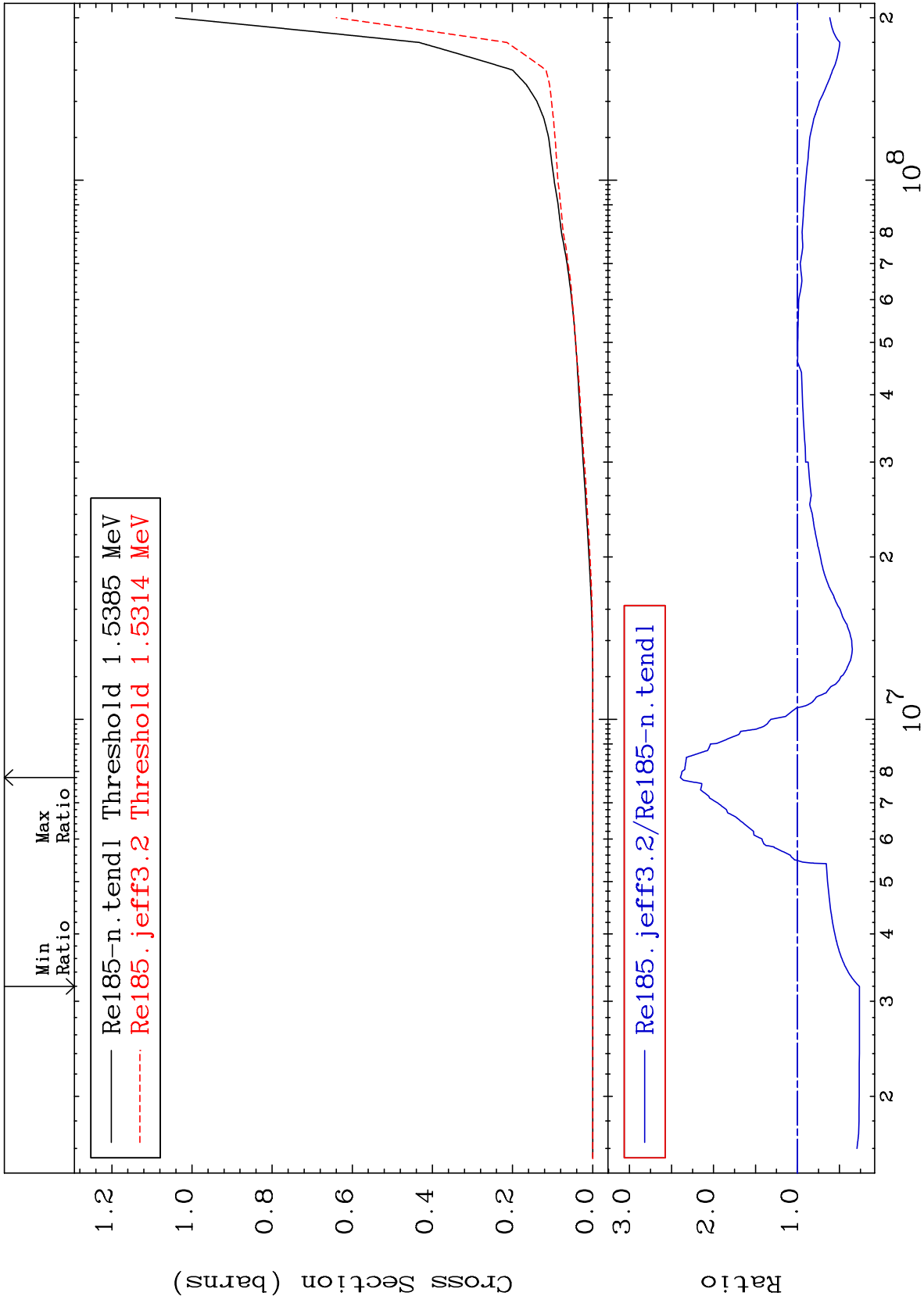
(n,p) d  
Cross Section

<sup>75</sup>Re-<sup>185</sup>Re  
-70.96 To 42.76 %







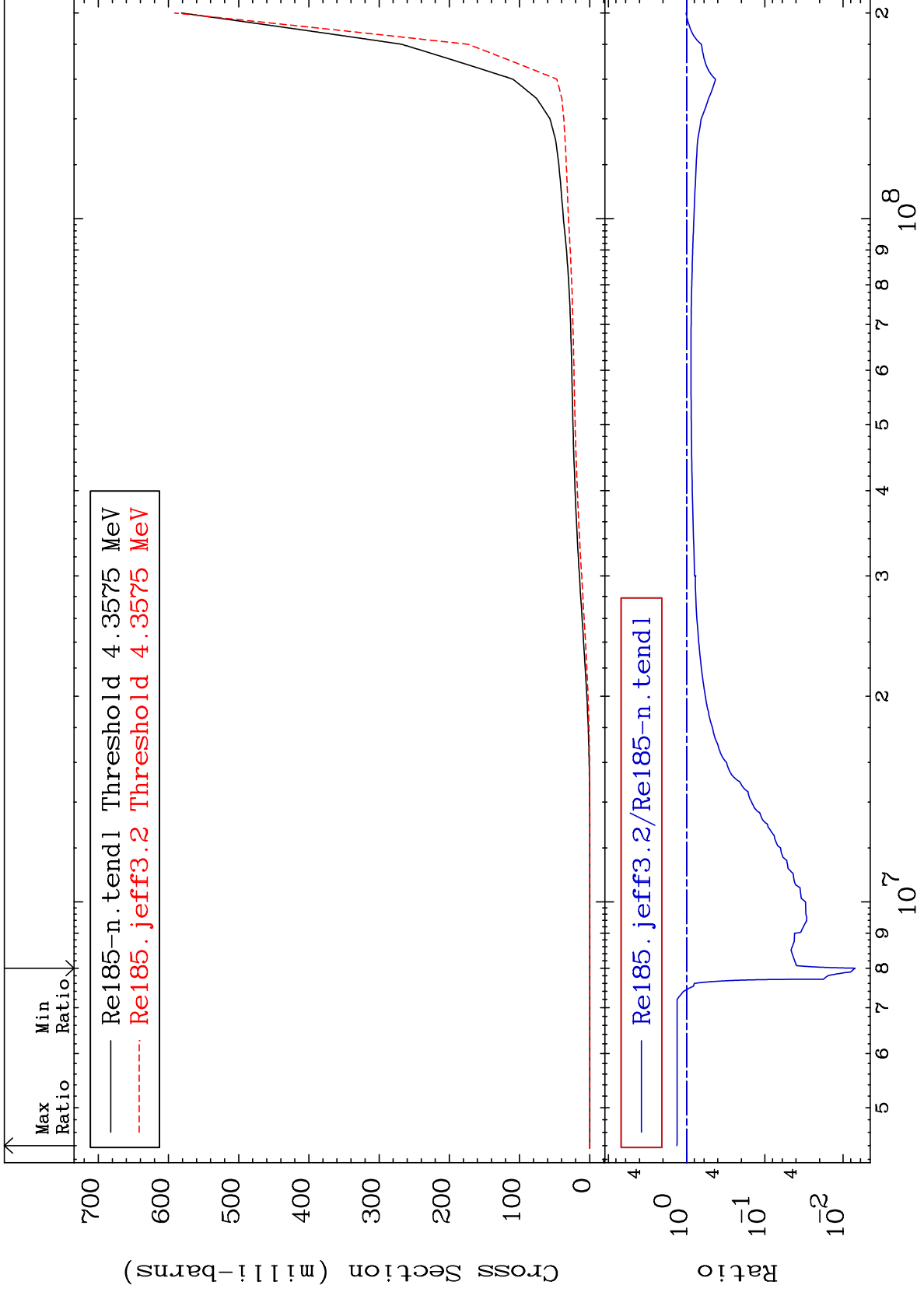




MAT 7525

Tritium Production  
Cross Section

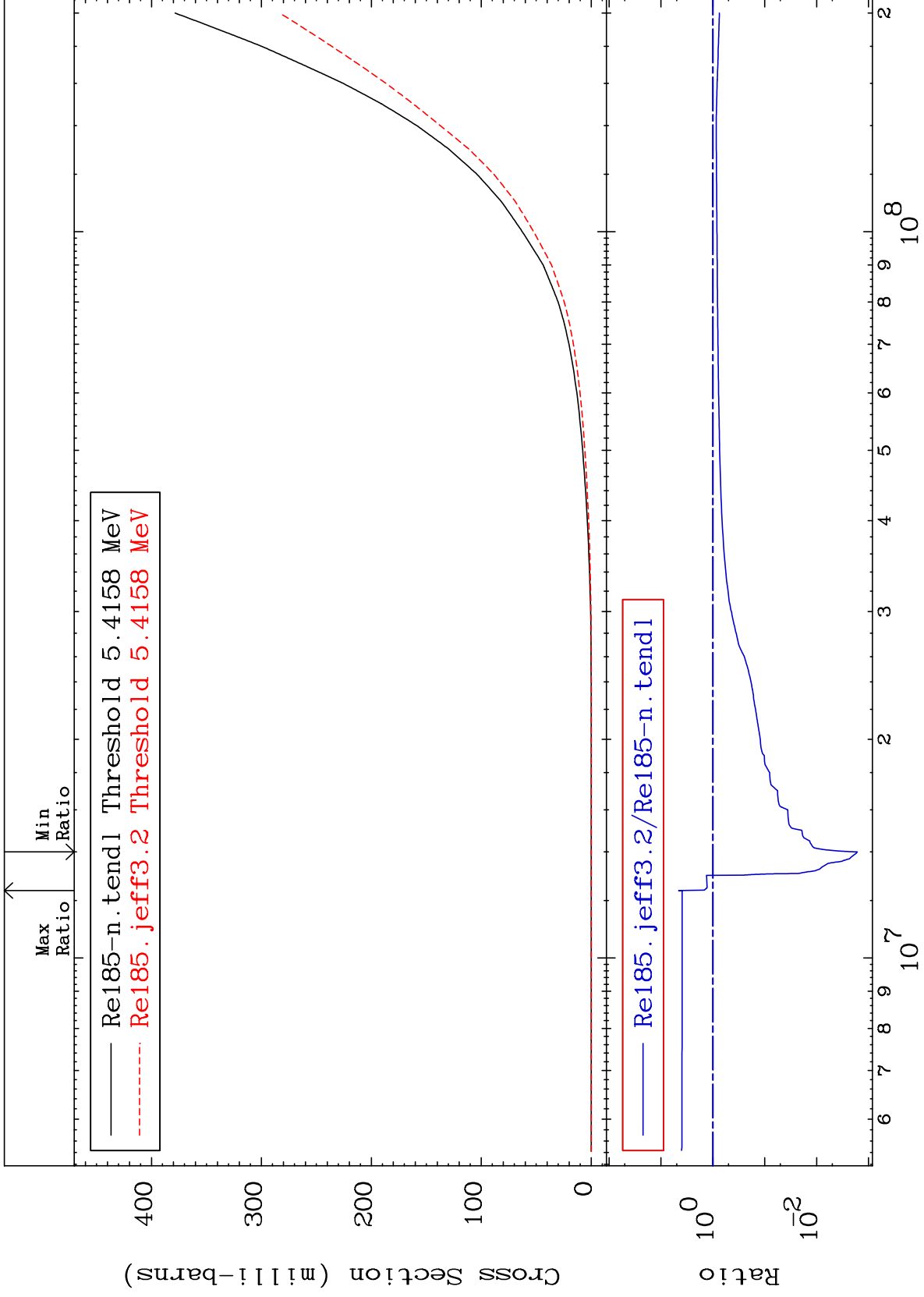
<sup>75</sup>Re-<sup>185</sup>Re  
-99.30 To 33.05 %



MAT 7525

He-3 Production  
Cross Section

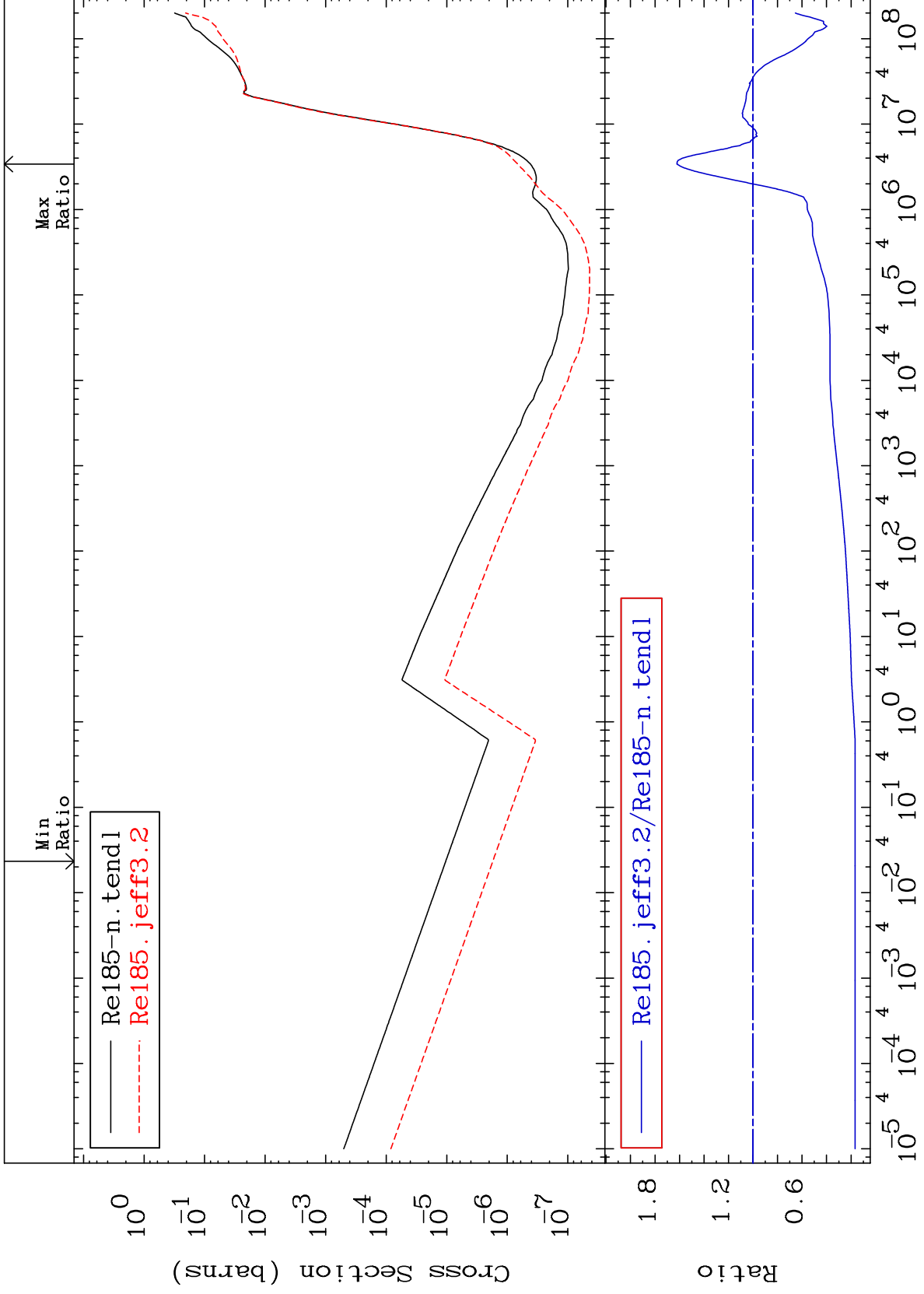
<sup>75</sup>Re-<sup>185</sup>Re  
-99.83 To 357.5 %



MAT 7525

He-4 Production  
Cross Section

<sup>75</sup>Re-<sup>185</sup>Re  
-83.29 To 62.11 %



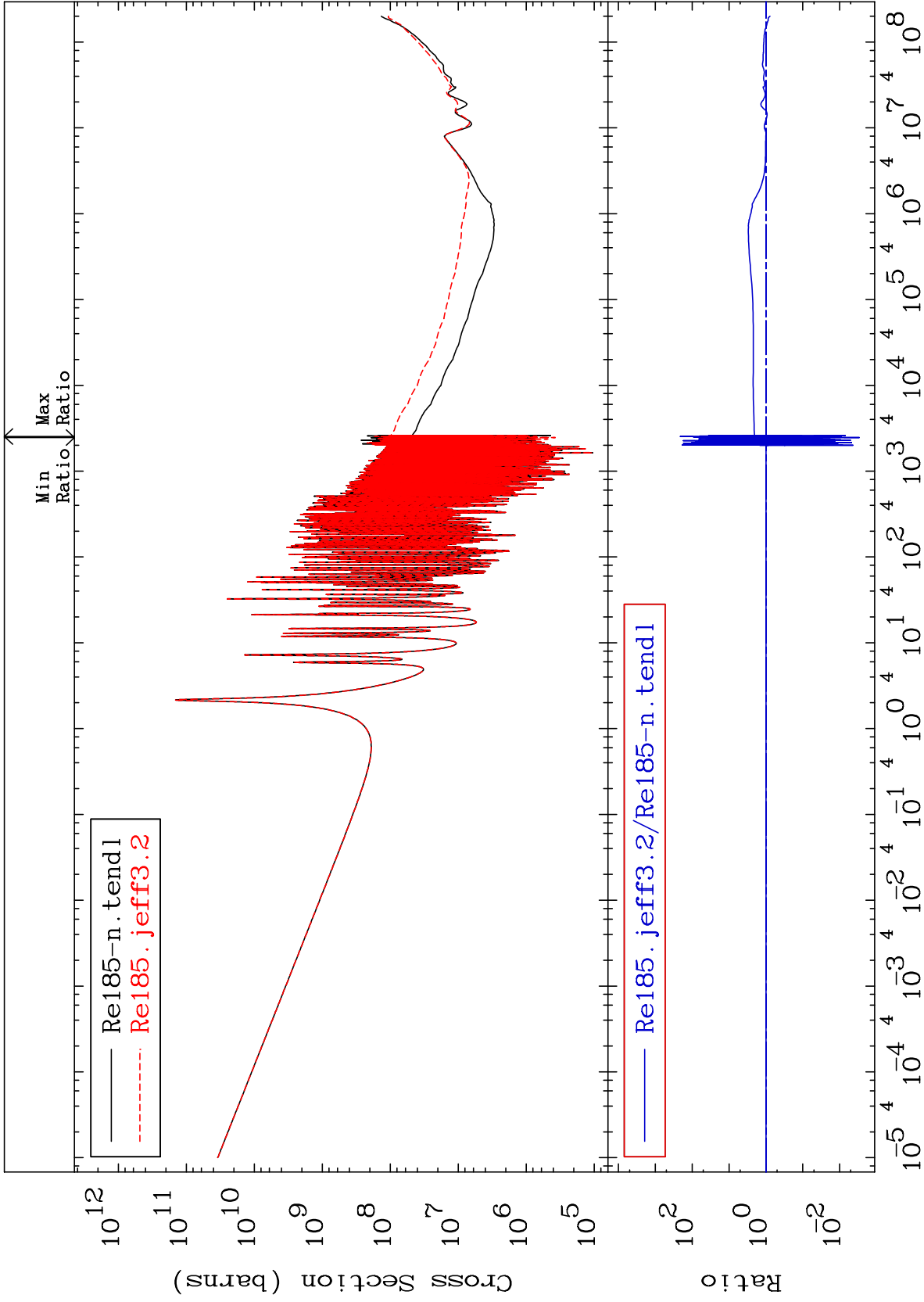
67

Incident Energy (eV)

<sup>75</sup>Re-<sup>185</sup>Re

Cross Section

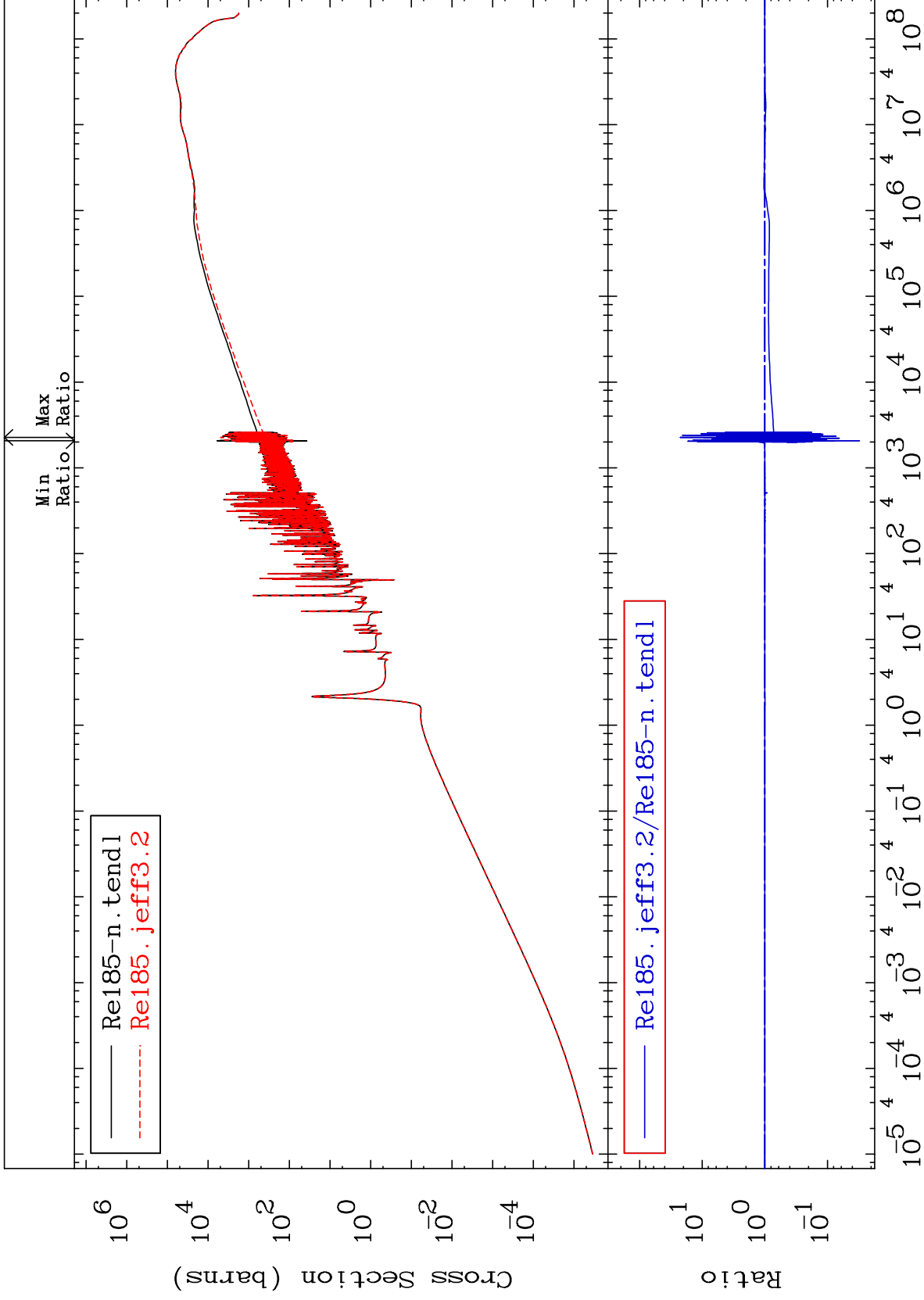
-99.71 To 9999. %



MAT 7525

Kerma elastic  
Cross Section

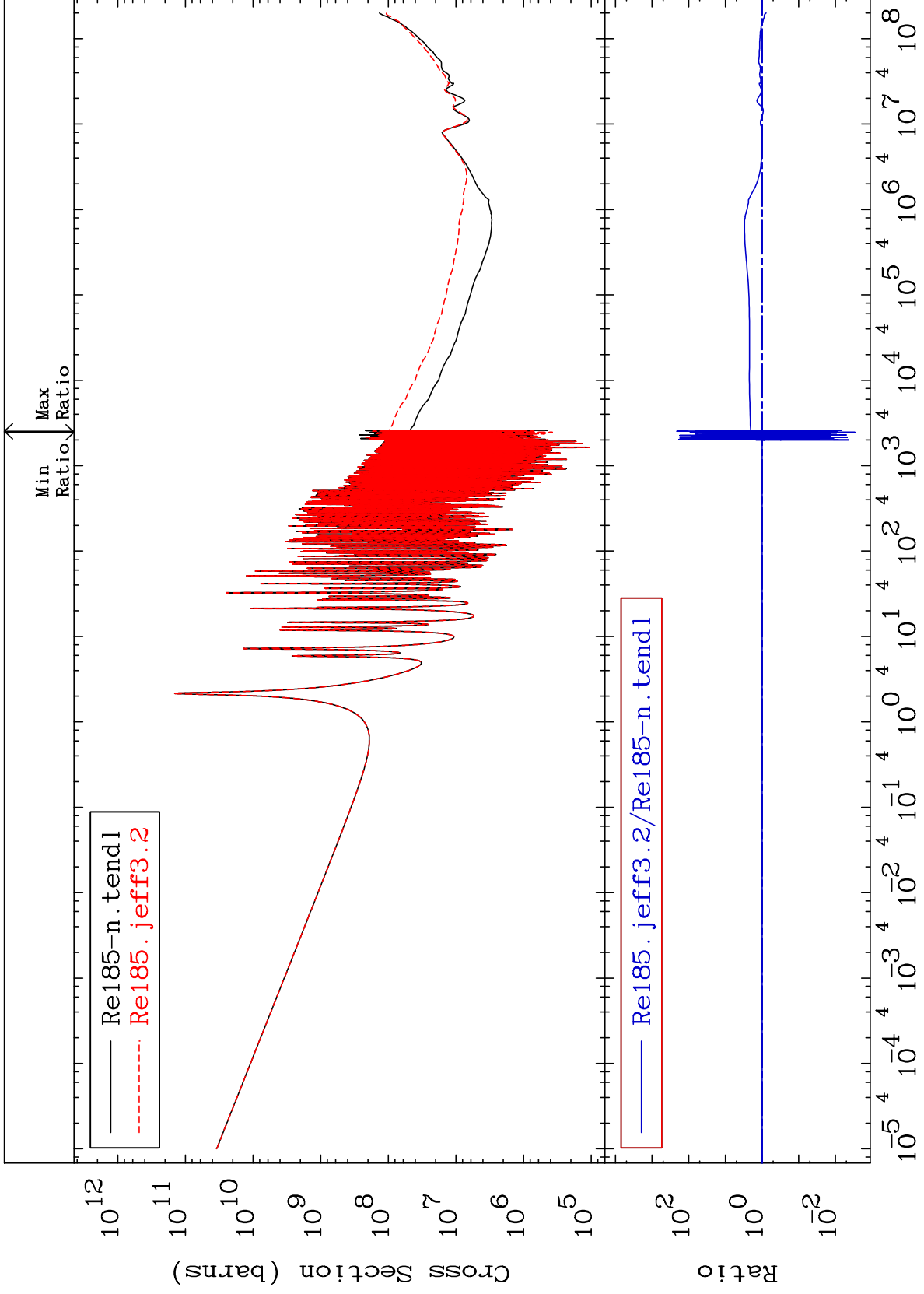
<sup>75</sup>Re-<sup>185</sup>Re  
-96.92 To 2140. %



MAT 7525

Kerma non-elastic (all but mt2)  
Cross Section

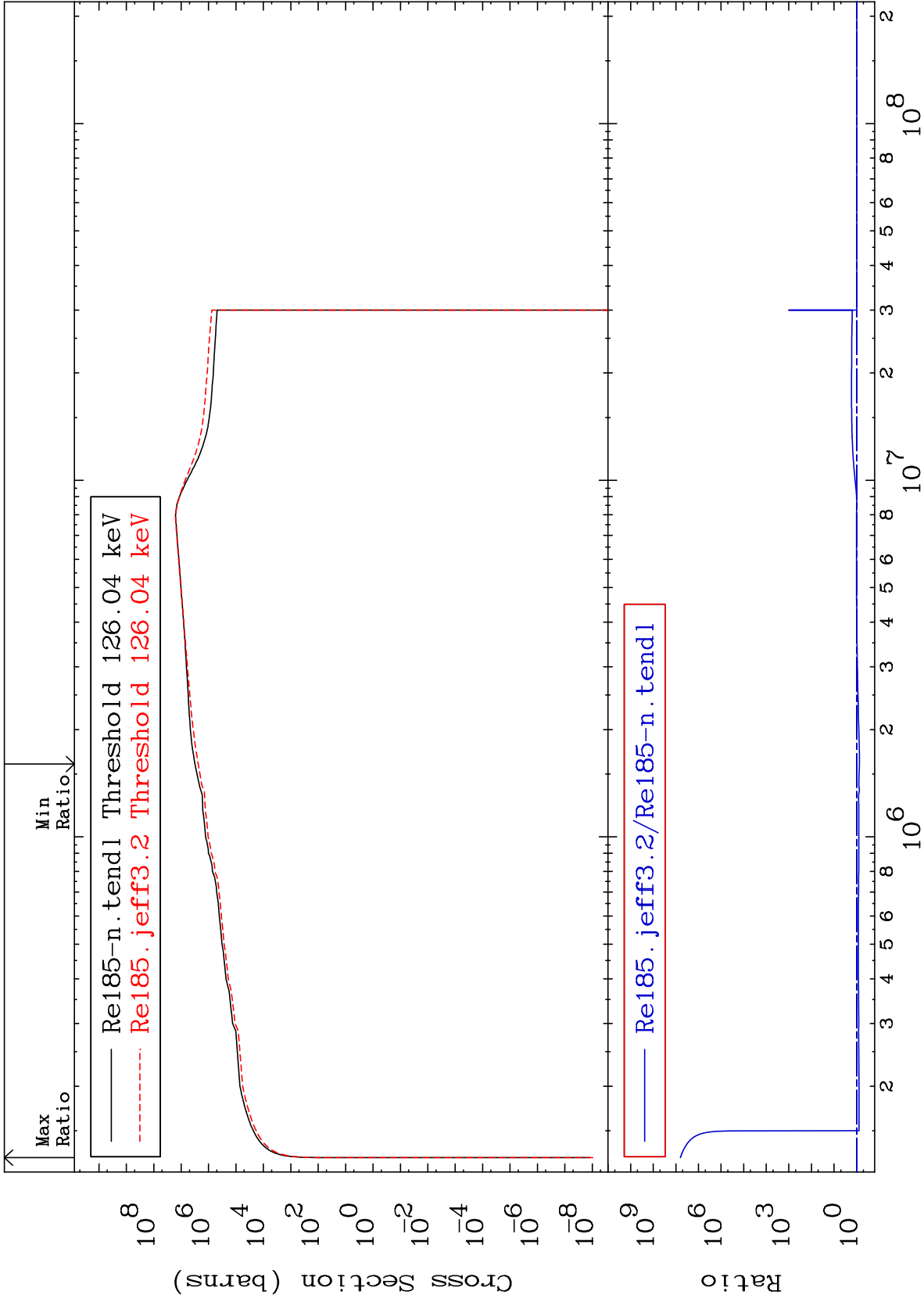
75-Re-185  
-99.71 To 9999. %



70

Incident Energy (eV)

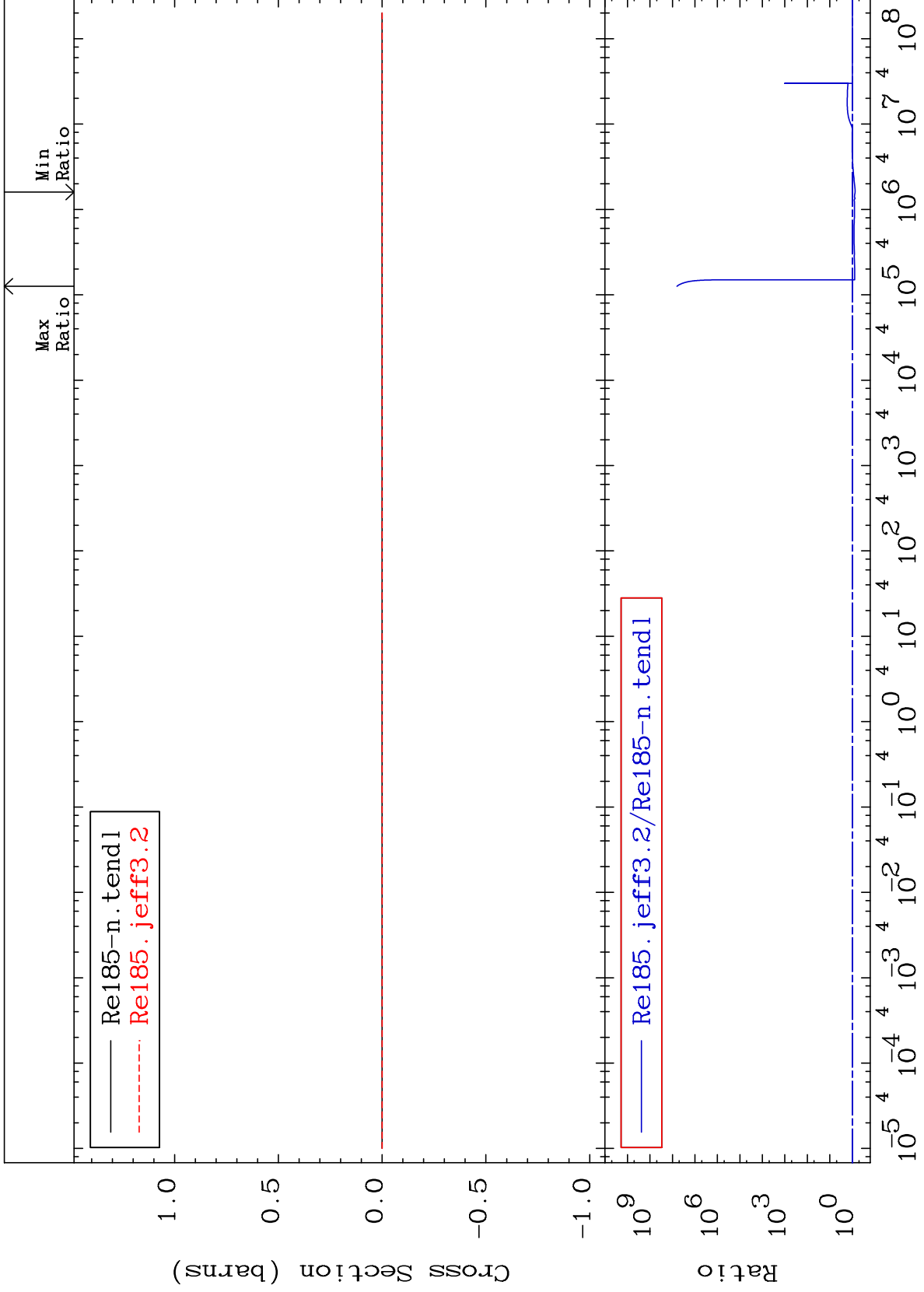
75-Re-185



MAT 7525

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

75-Re-185  
-24.74 To 9999. %



72

Incident Energy (eV)

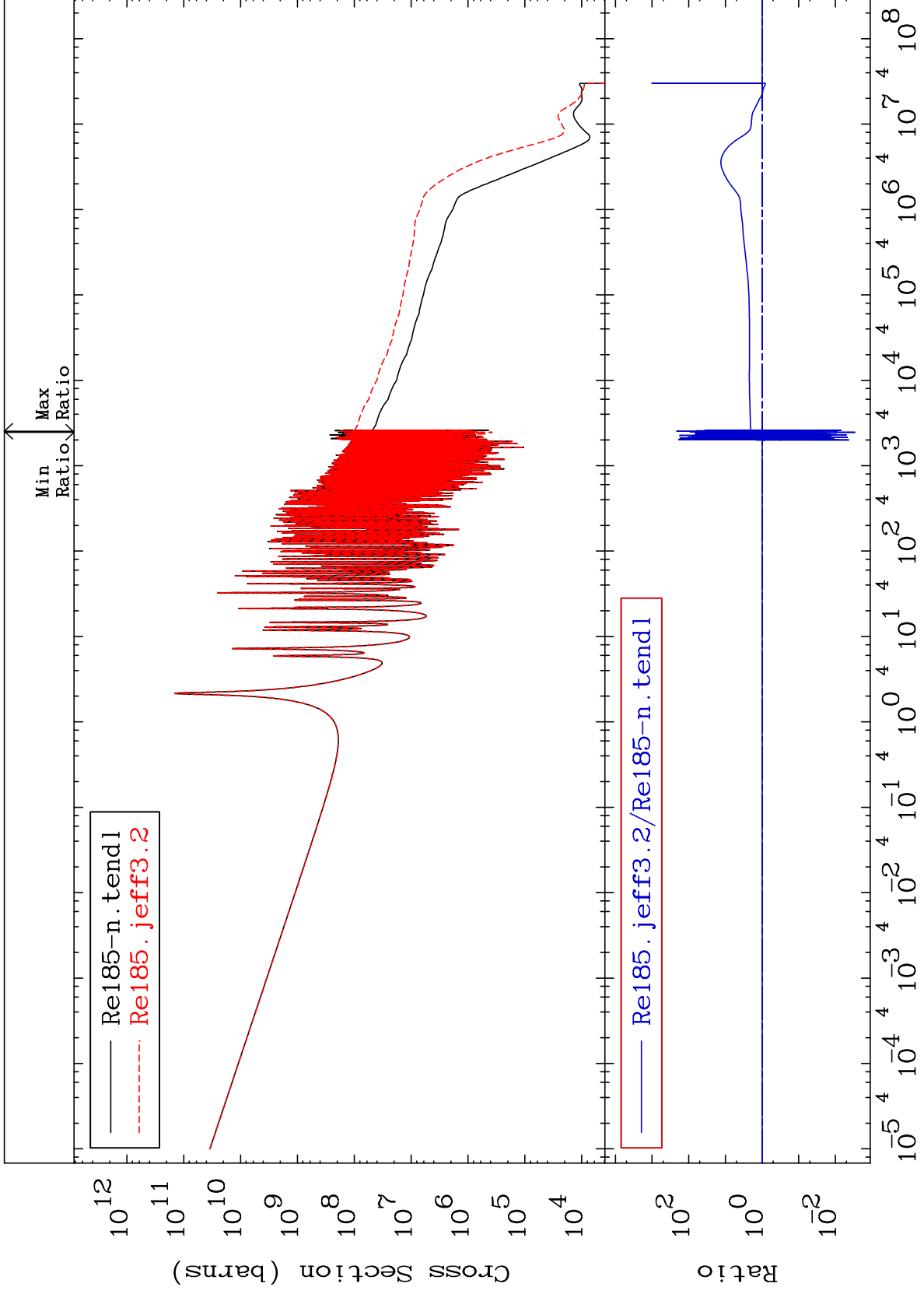
75-Re-185



MAT 7525

Kerma capture (mt102)  
Cross Section

75-Re-185  
-99.71 To 9999. %



73

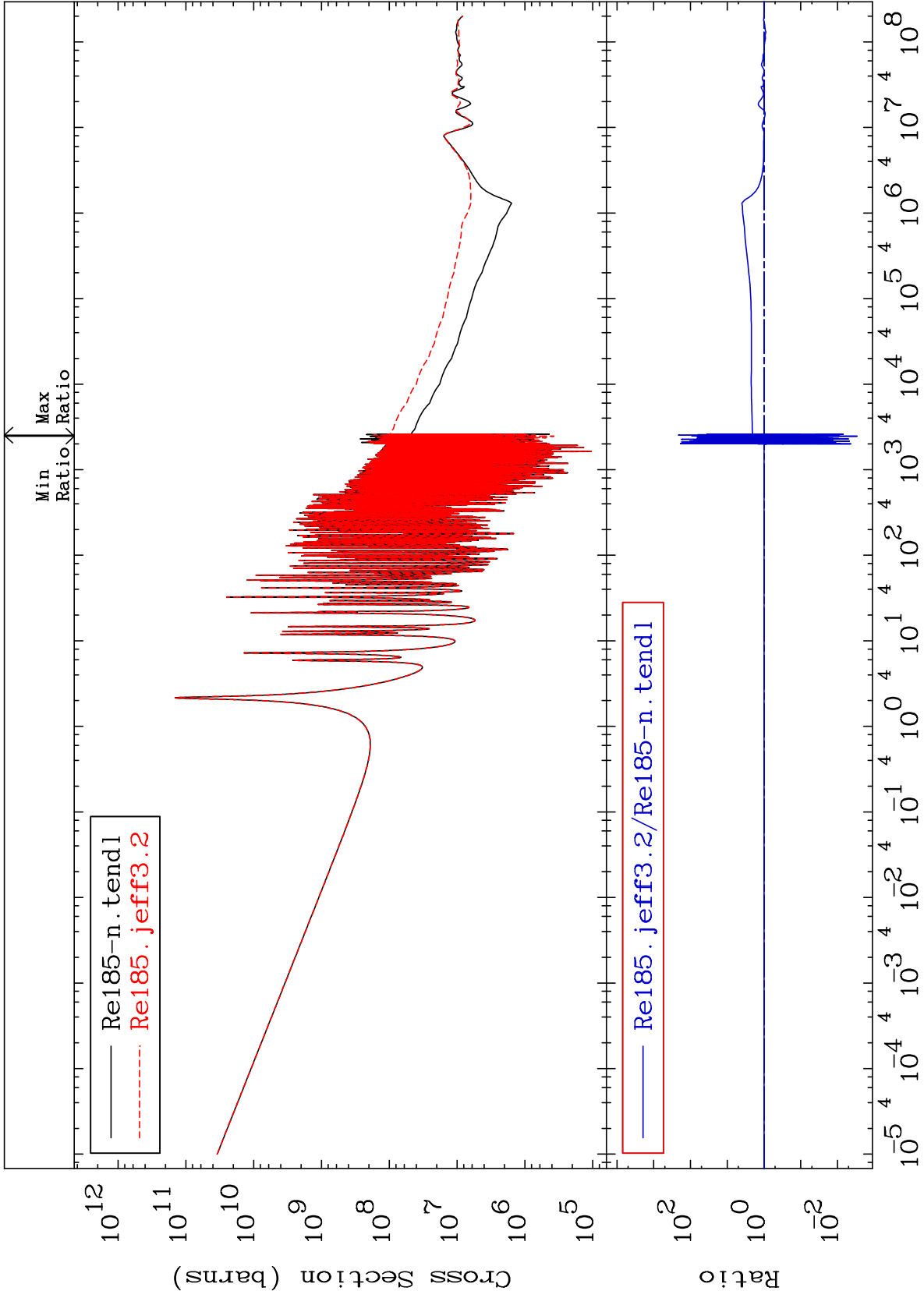
Incident Energy (eV)

75-Re-185

MAT 7525

Total photon (eV-barns)  
Cross Section

75-Re-185  
-99.71 To 9999. %



74

Incident Energy (eV)

75-Re-185

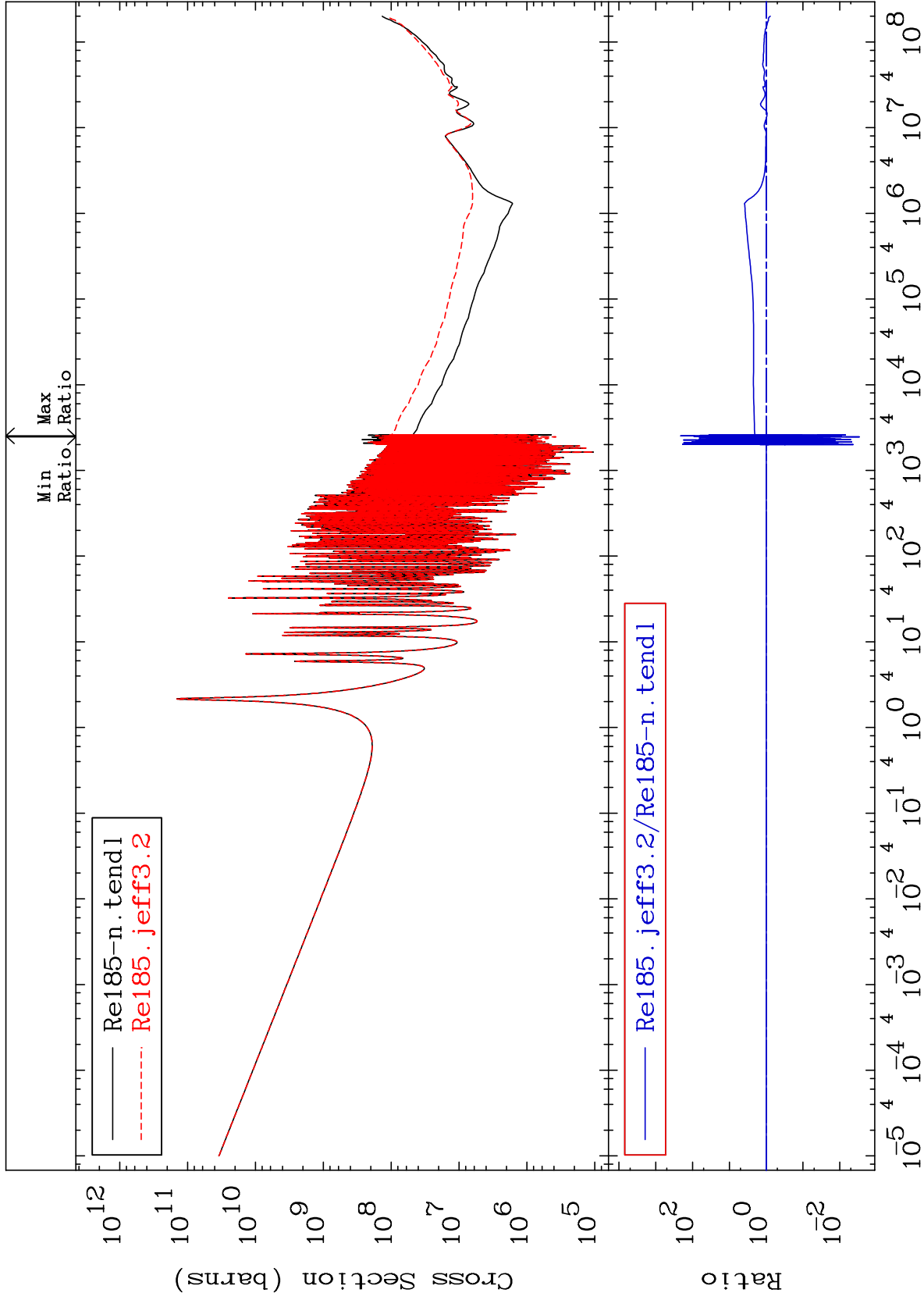
MAT 7525

Total kinematic kerma (high limit)

75-Re-185

Cross Section

-99.71 To 9999. %



75

Incident Energy (eV)

75-Re-185

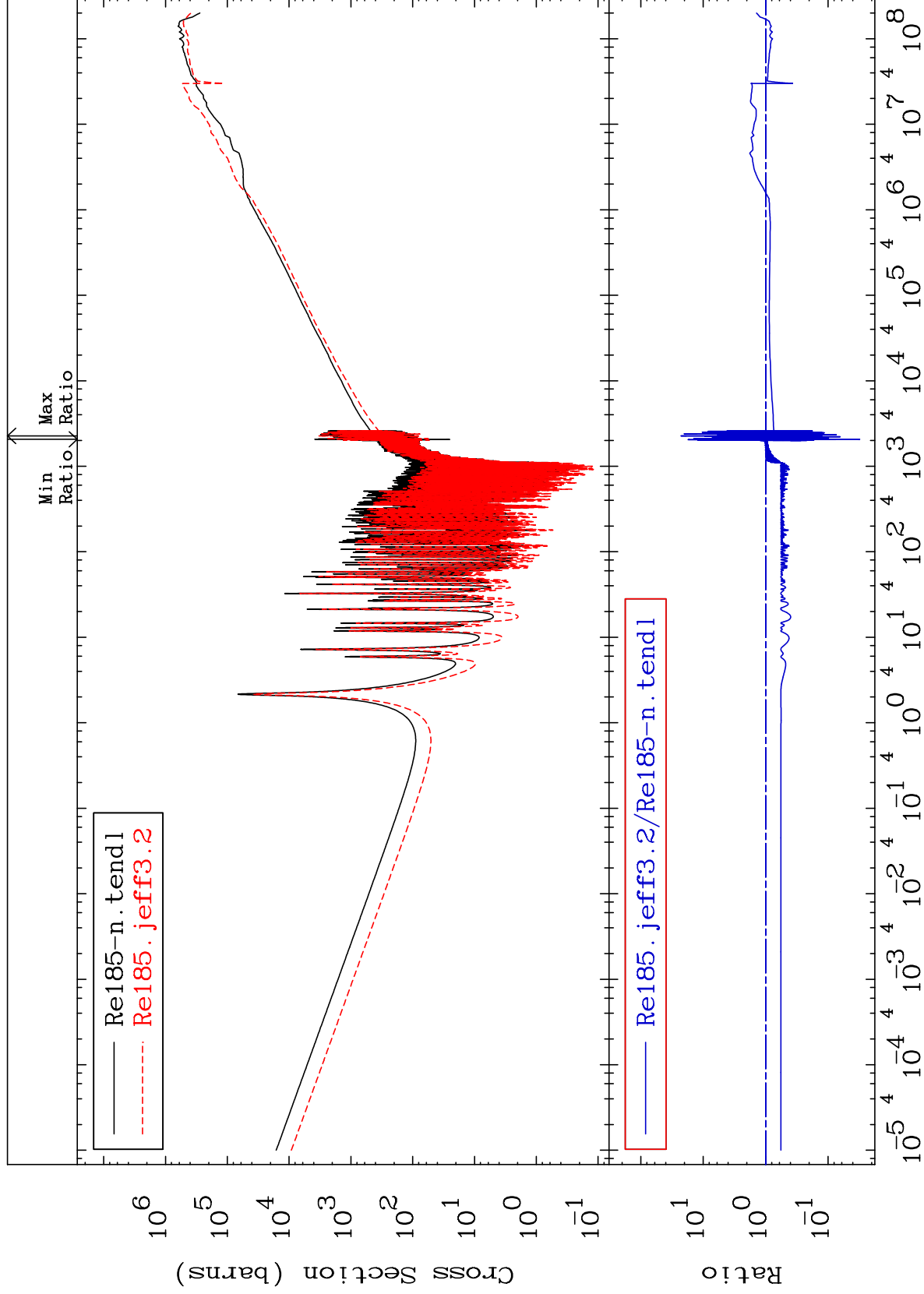
MAT 7525

Dpa total (eV-barns)

75-Re-185

Cross Section

-96.89 To 2157. %



76

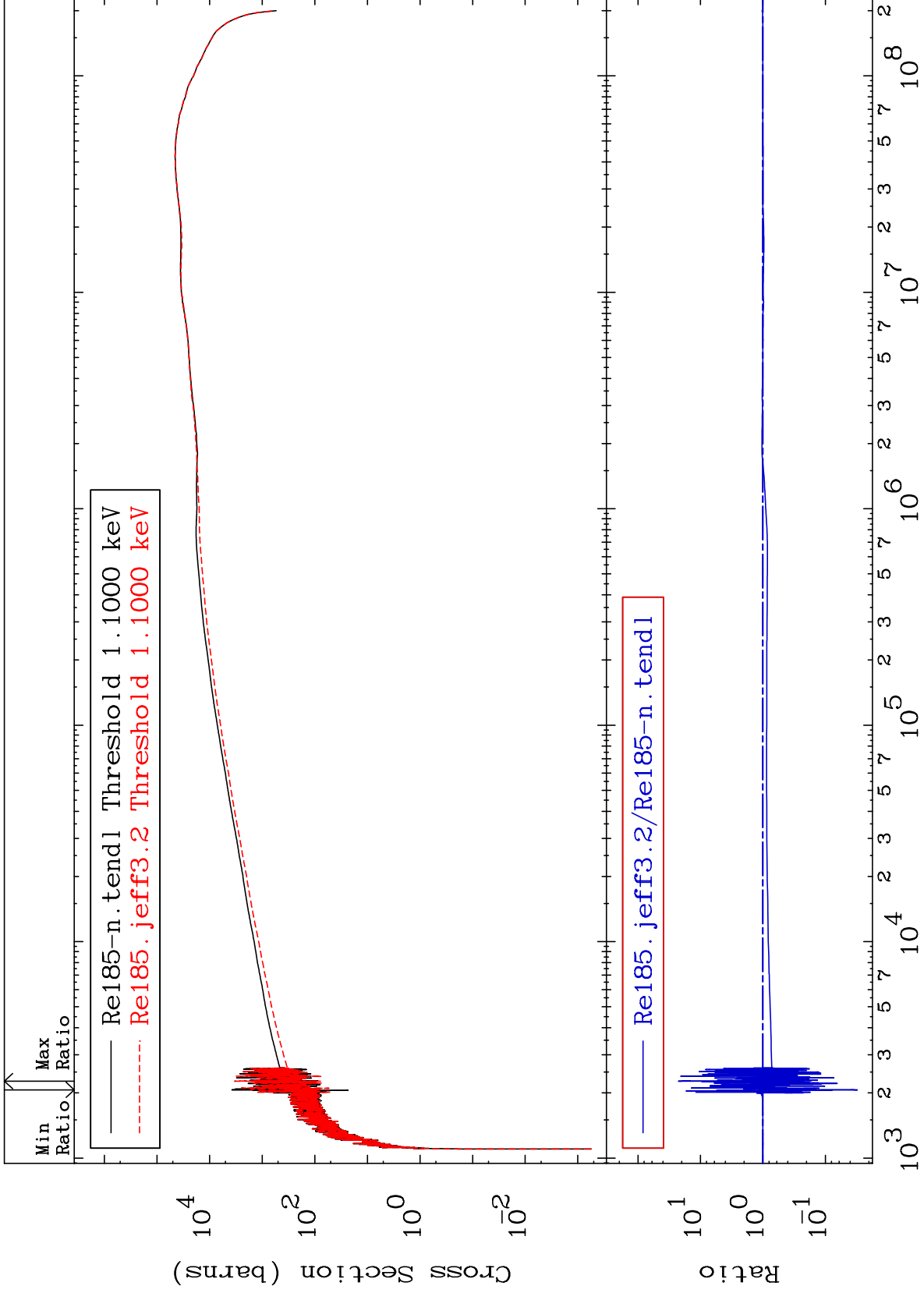
Incident Energy (eV)

75-Re-185

MAT 7525

Dpa elastic (mt2)  
Cross Section

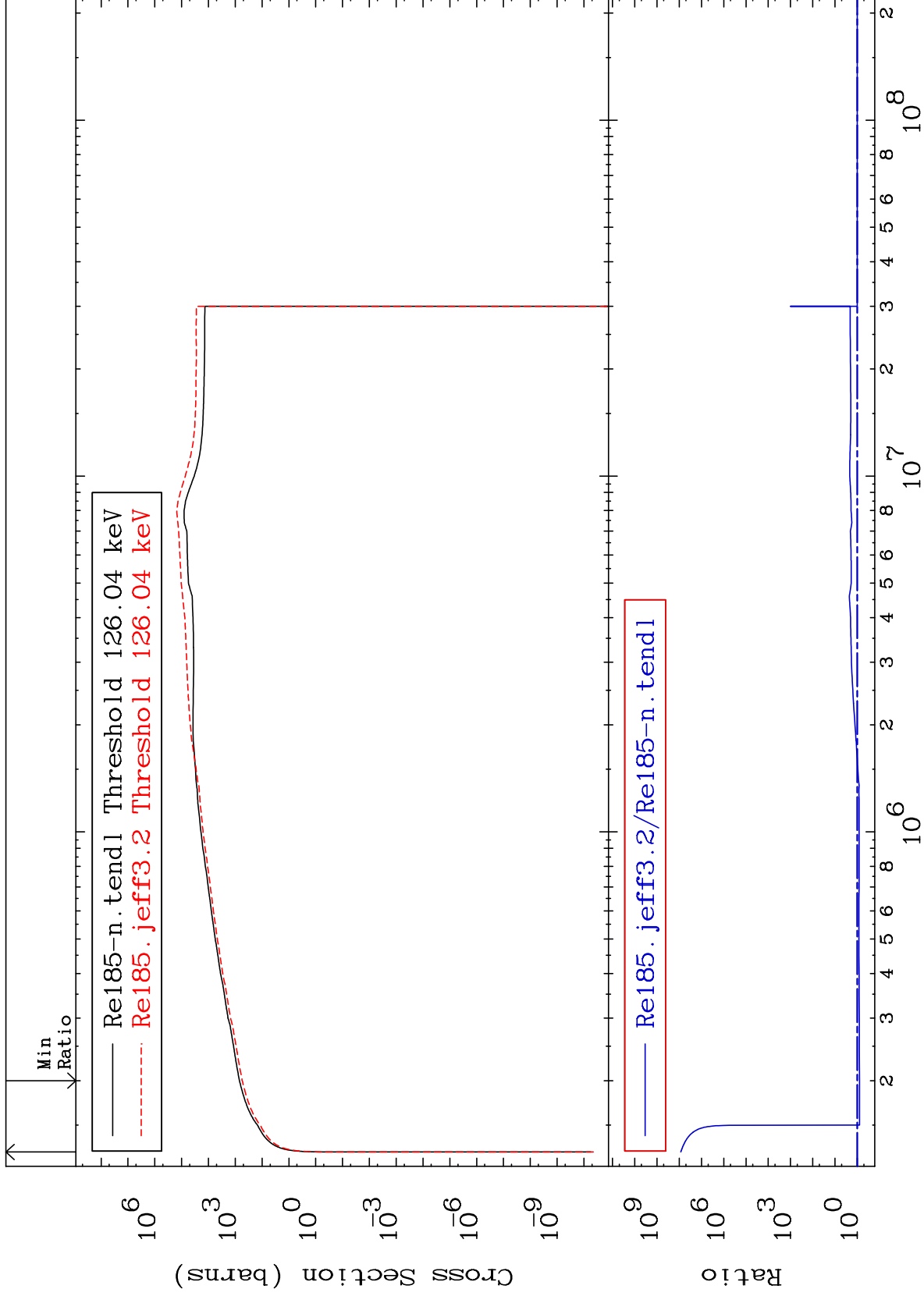
75-Re-185  
-96.92 To 2140. %



77

Incident Energy (eV)

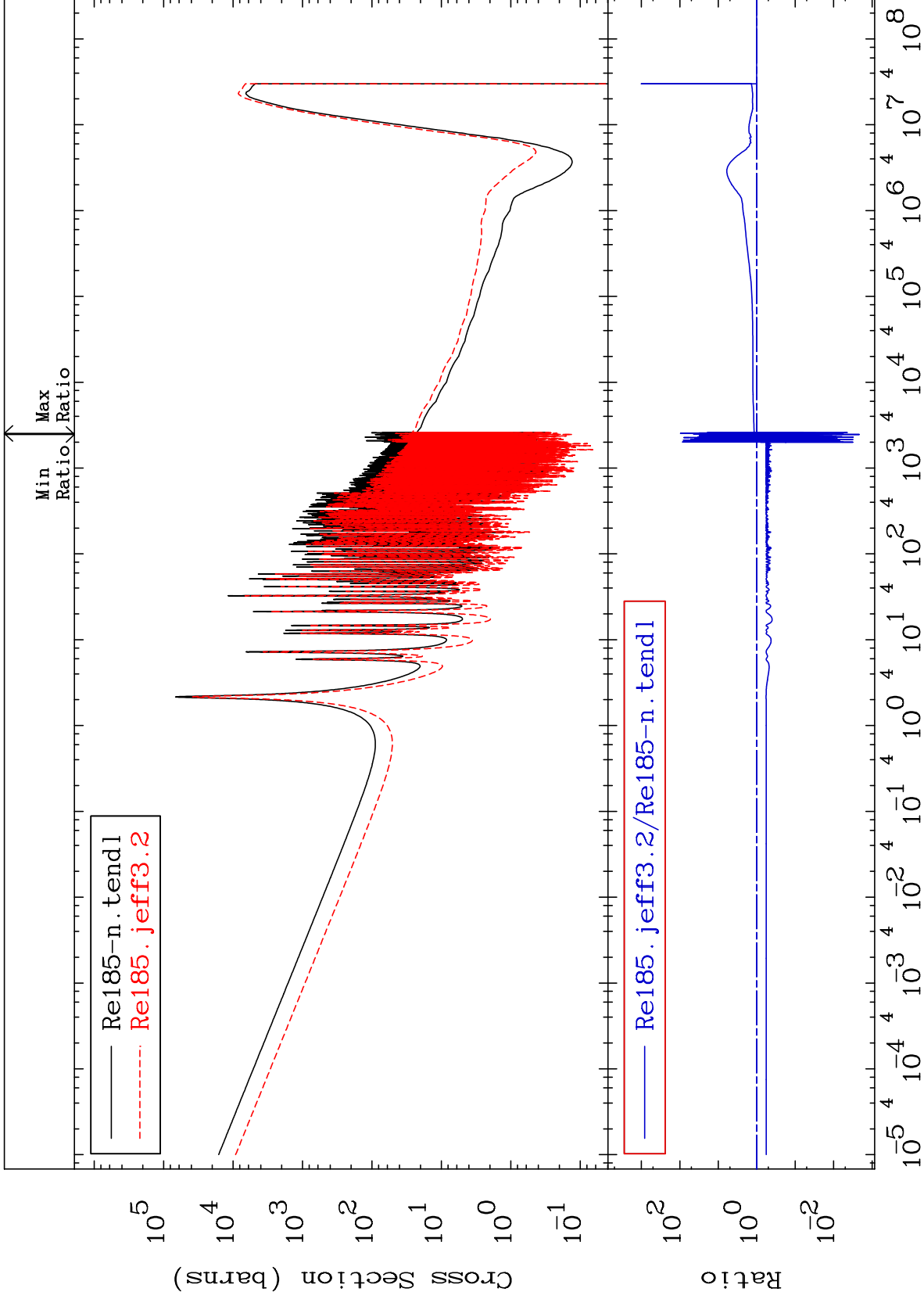
75-Re-185



MAT 7525

Dpa disappearance (mt102 -120)  
Cross Section

75-Re-185  
-99.79 To 9580. %



79

Incident Energy (eV)

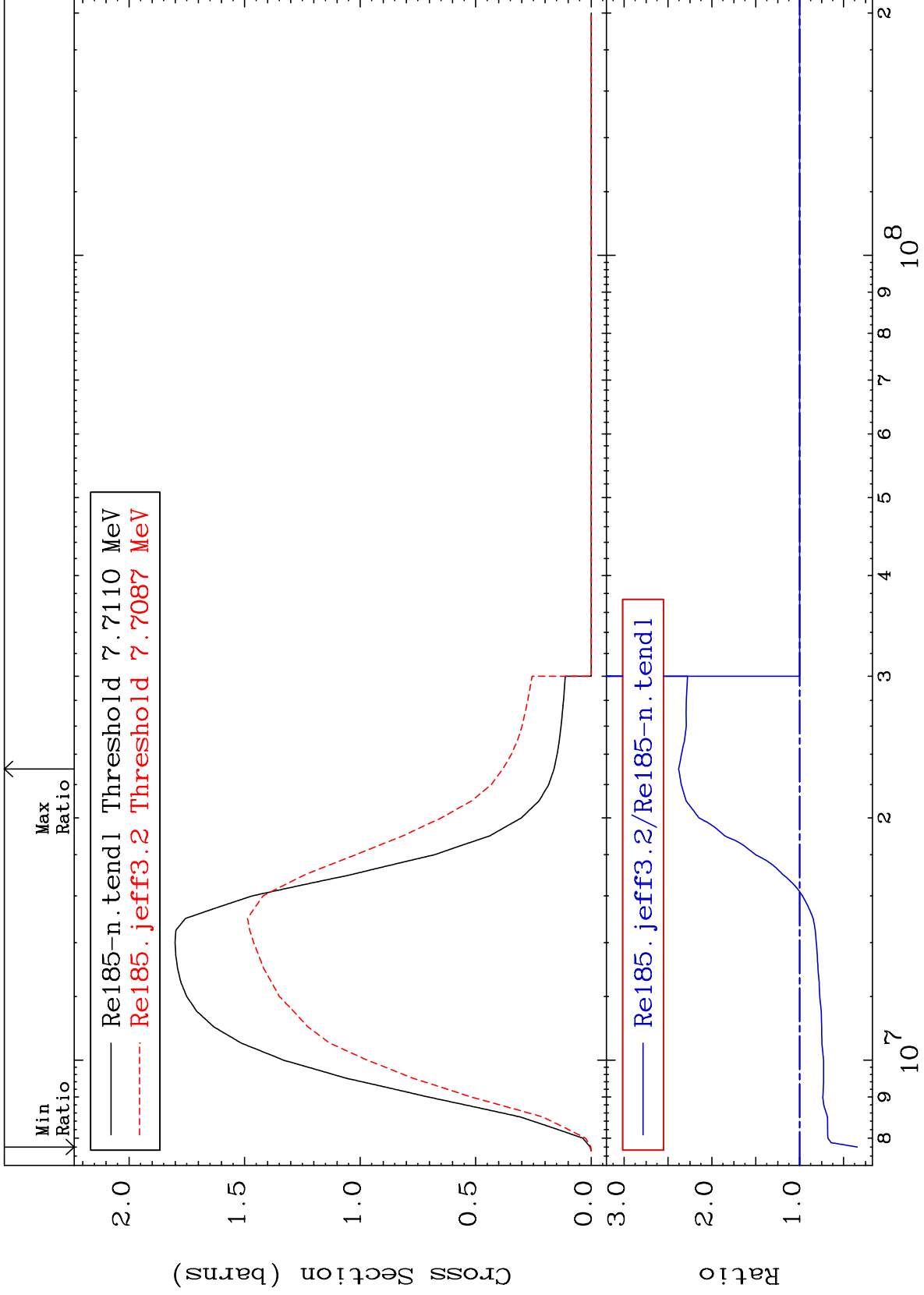
75-Re-185

MAT 7525

(n,2n):75-Re-184g

75-Re-185

Radionuclide Production Cross Section -65.54 To 137.9 %



80

Incident Energy (eV)

75-Re-185

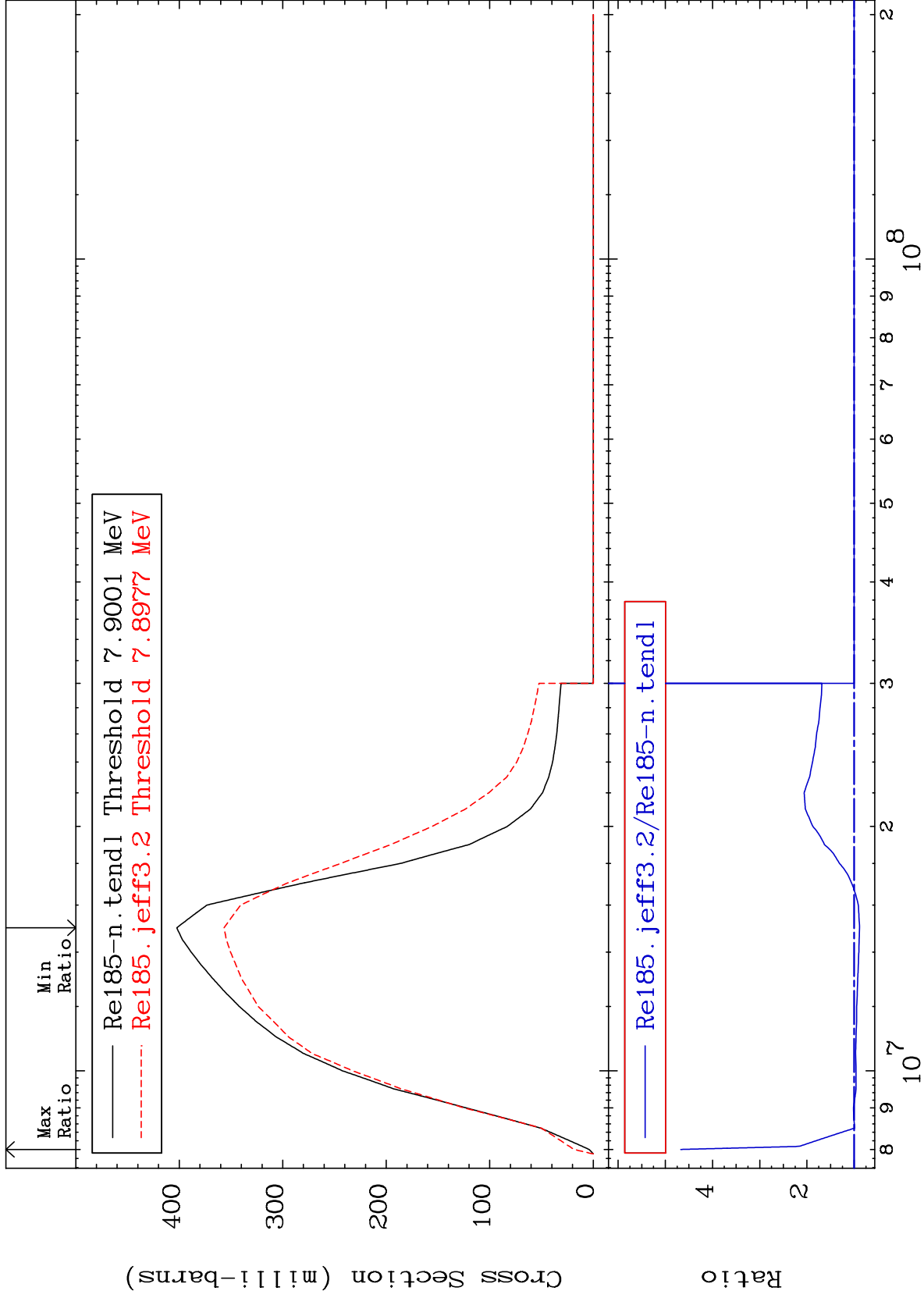


MAT 7525

(n,2n):75-Re-184m5

75-Re-185

Radionuclide Production Cross Section -11.35 To 367.2 %



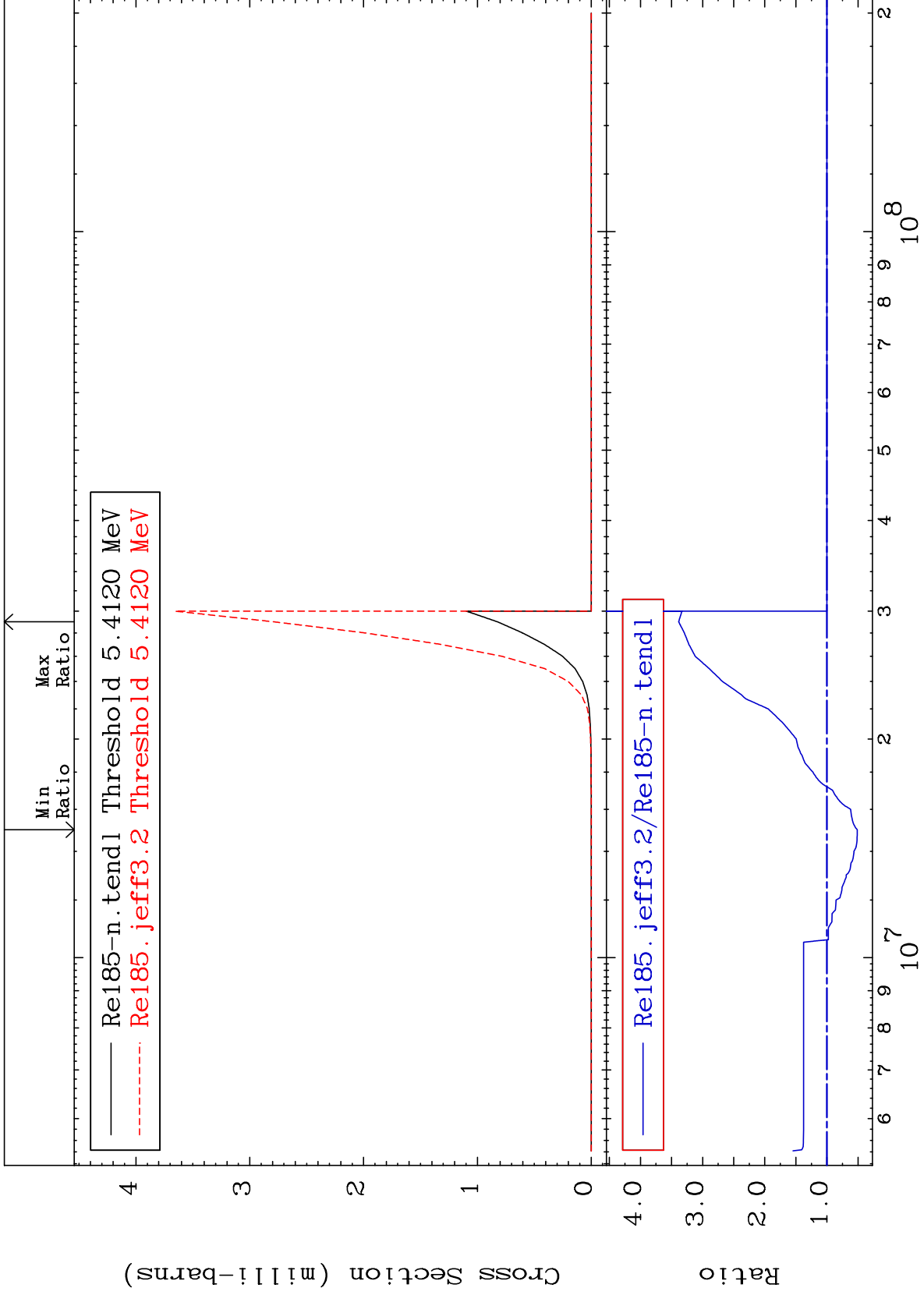
81

MAT 7525

(n,2n)  $\alpha$ : 73-Ta-180g

75-Re-185

Radionuclide Production Cross Section -48.77 To 238.6 %

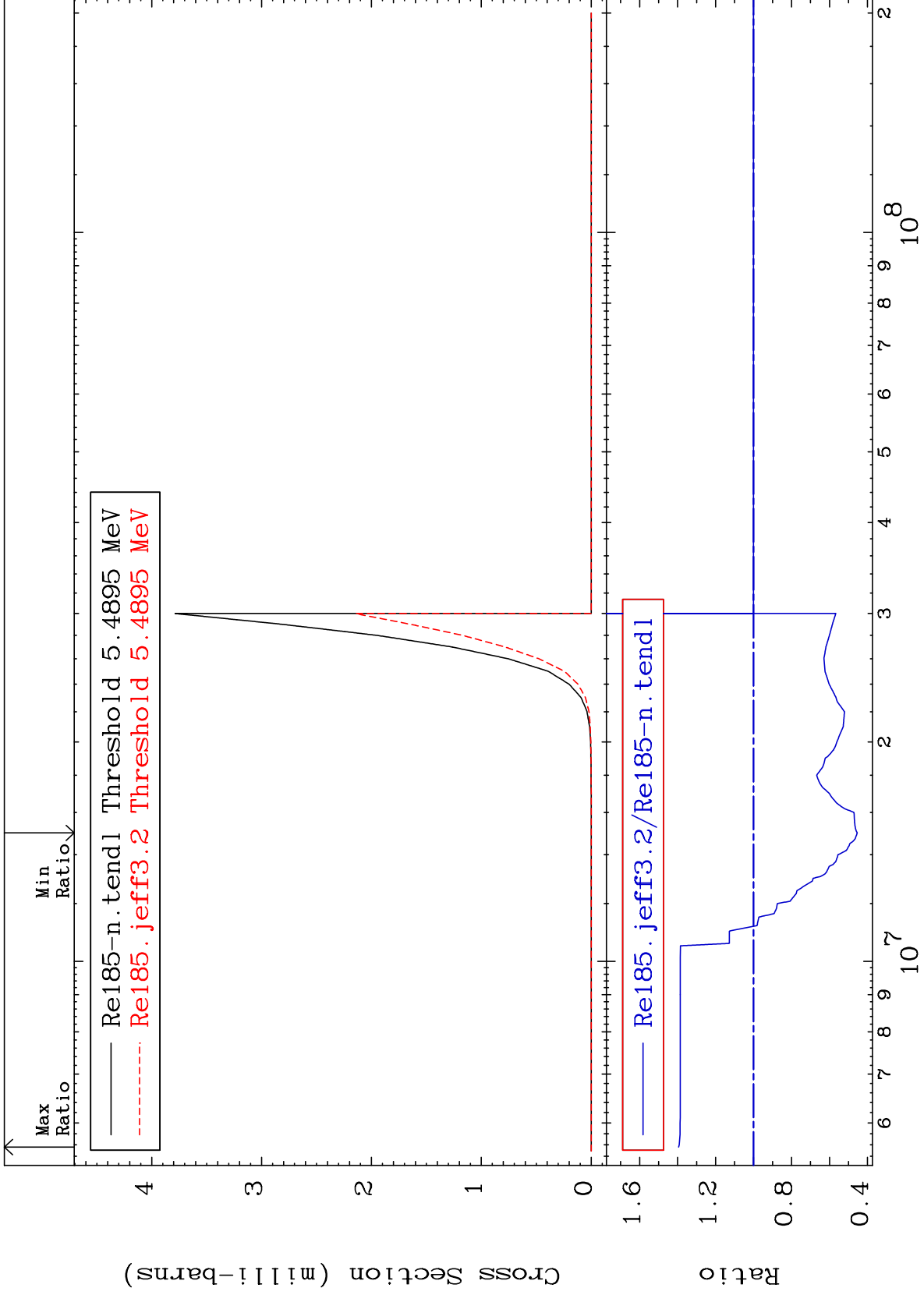


MAT 7525

(n,2n)  $\alpha$ : 73-Ta-180m2

75-Re-185

Radionuclide Production Cross Section -54.62 To 39.46 %

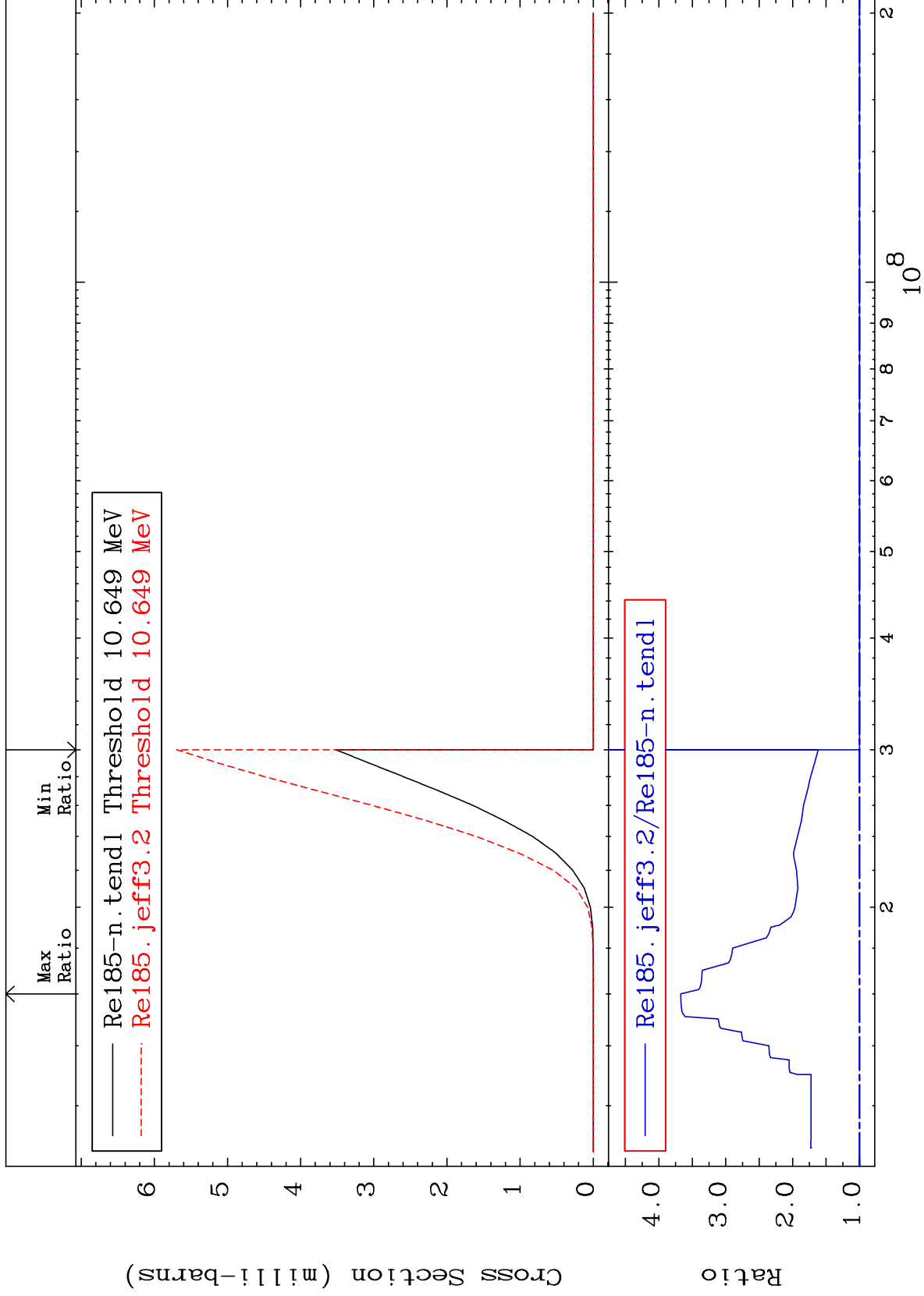


MAT 7525

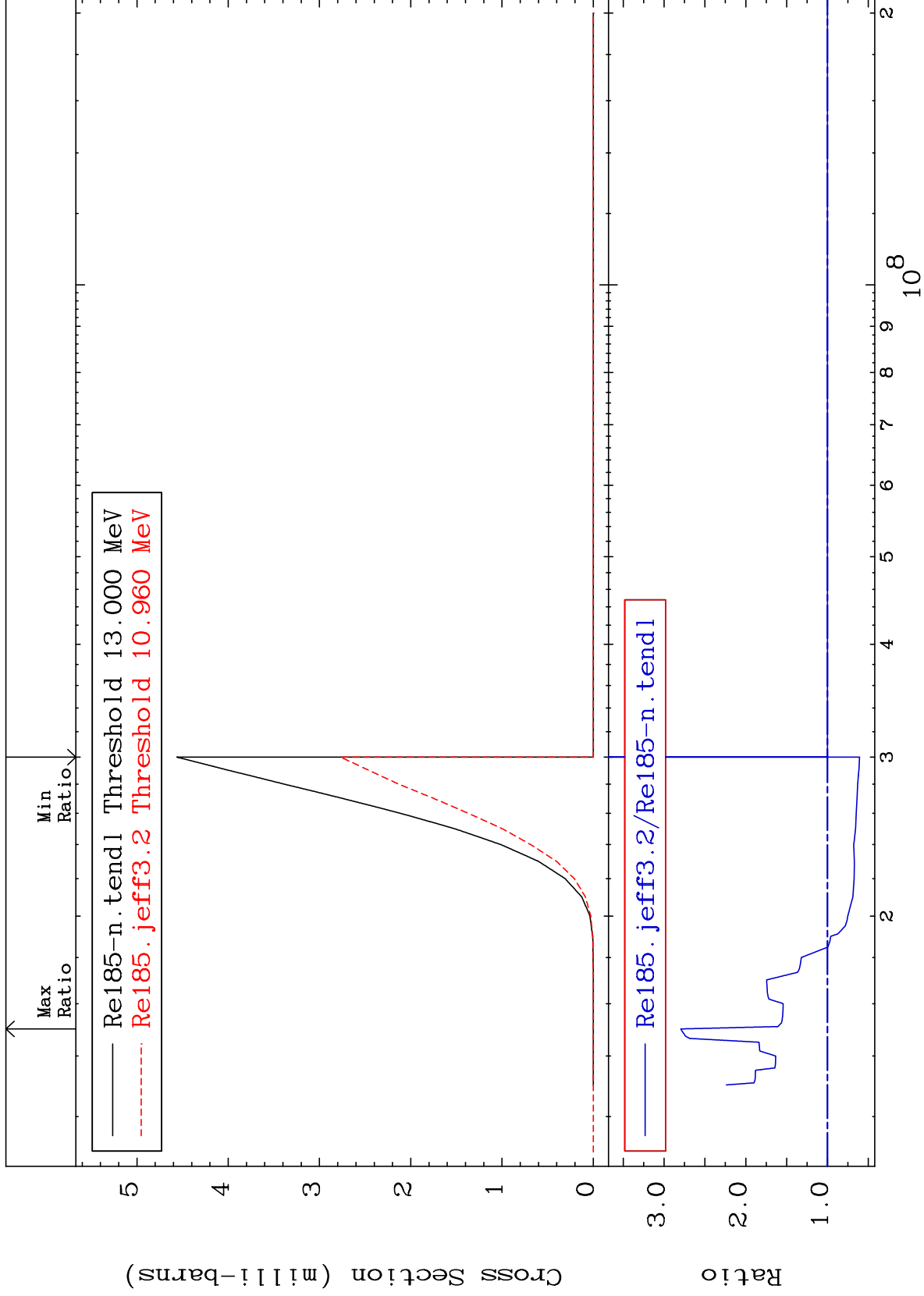
(n, n') d: 74-W -183g

75-Re-185

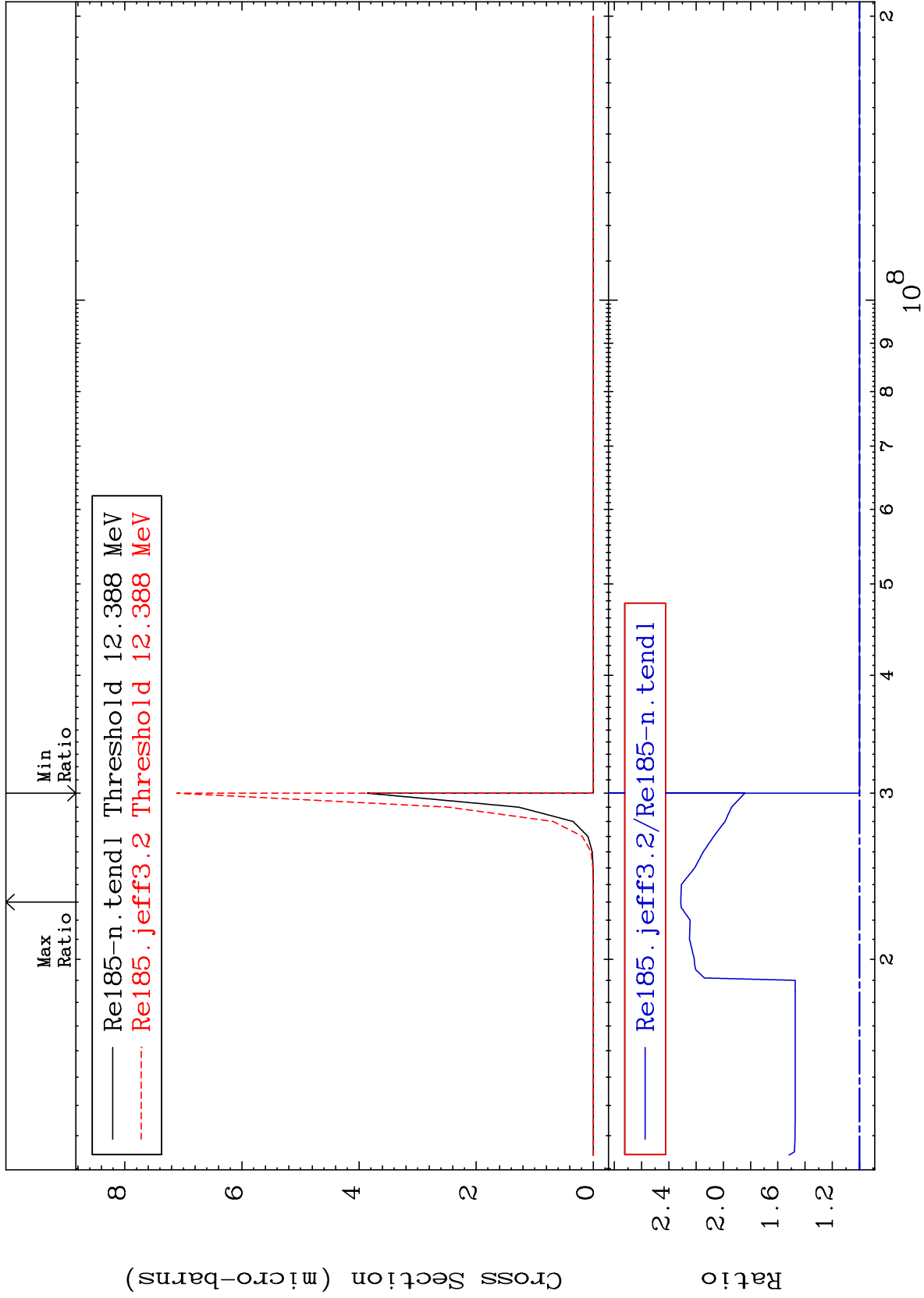
Radionuclide Production Cross Section 0.000 To 267.2 %



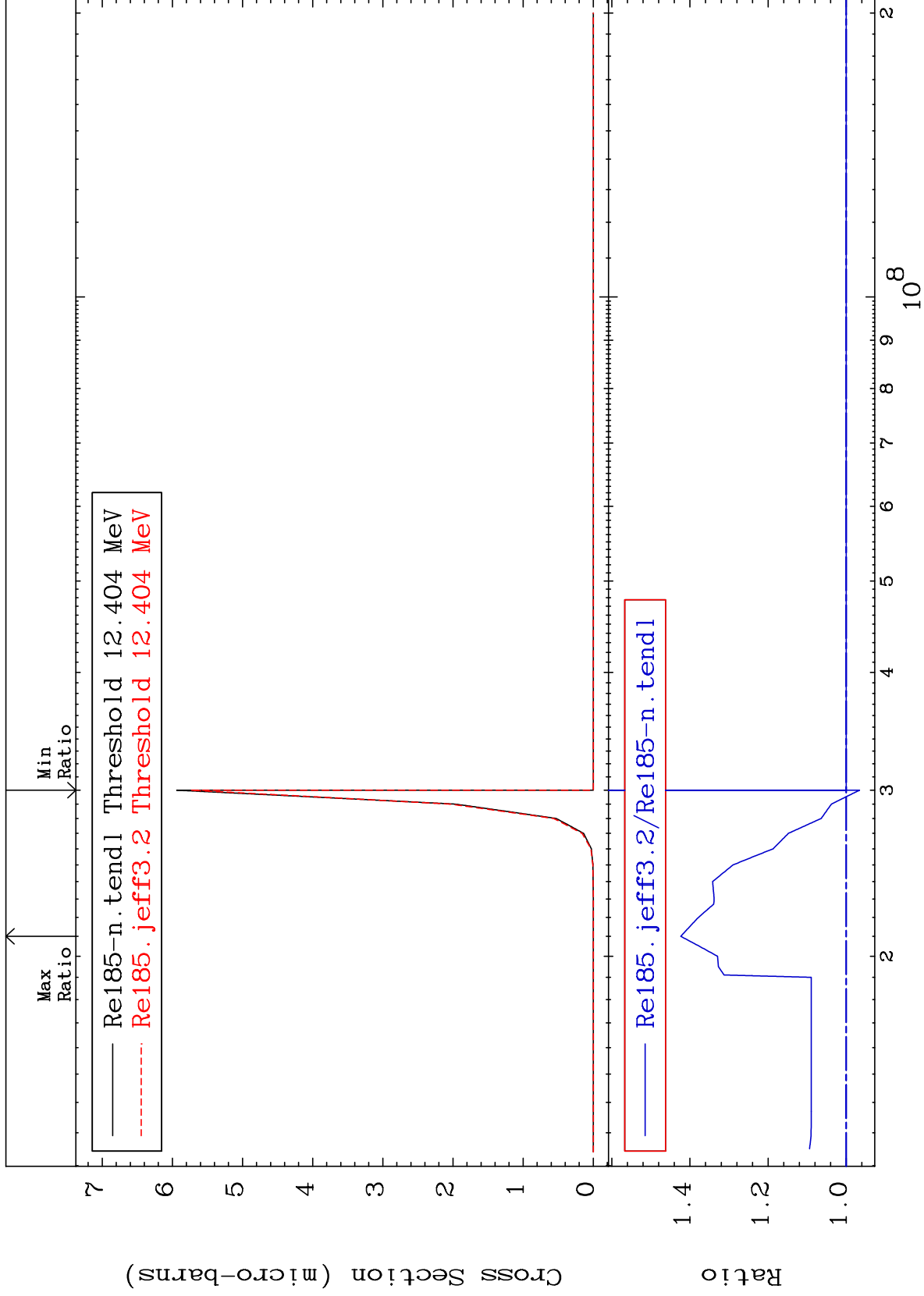
Radionuclide Production Cross Section -39.29 To 179.6 %



Radionuclide Production Cross Section 0.000 To 131.2 %



Radionuclide Production Cross Section -3.405 To 42.36 %

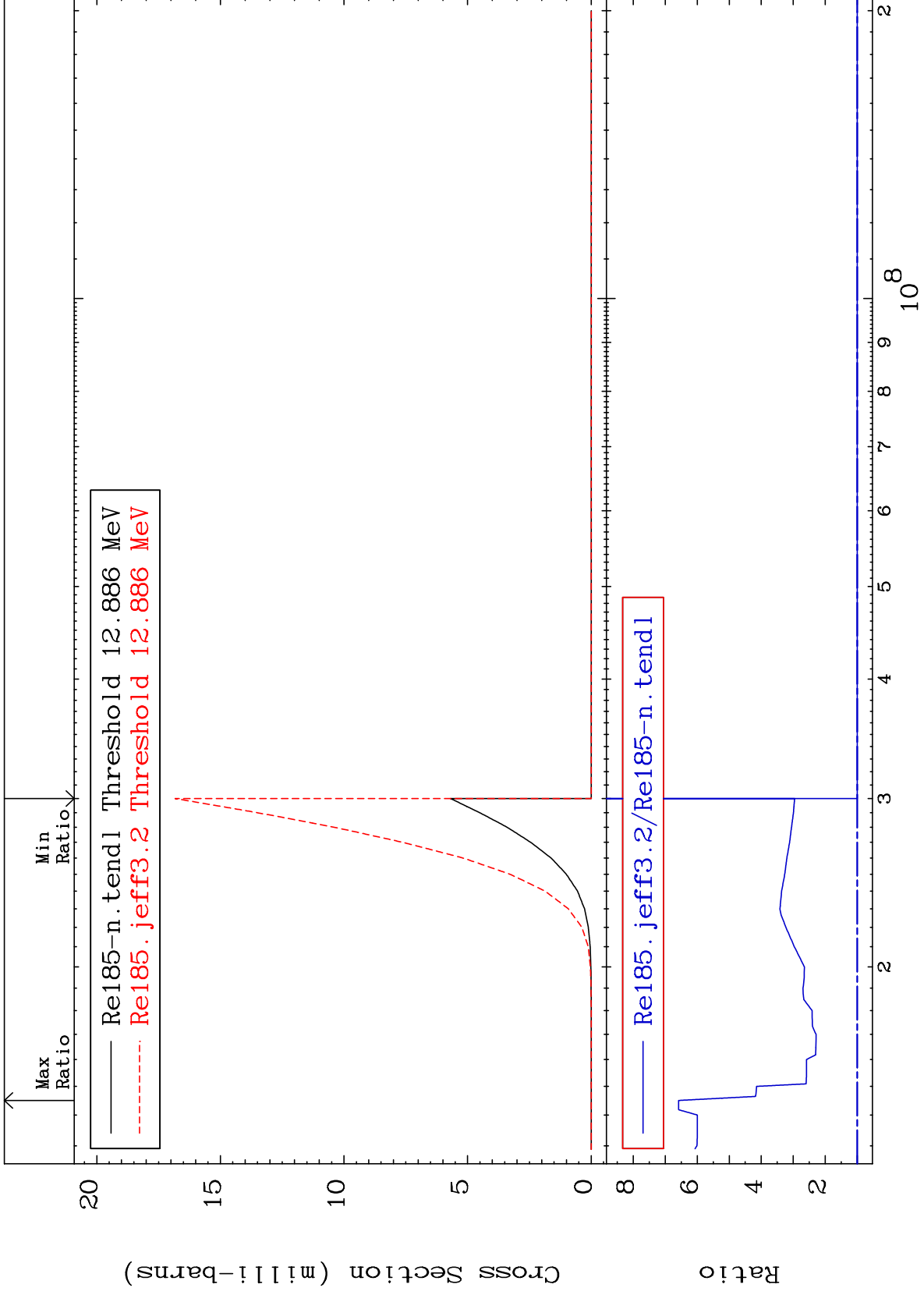


MAT 7525

(n,2n) p: 74-W -183g

75-Re-185  
To 558.1 %

Radionuclide Production Cross Section 0.000



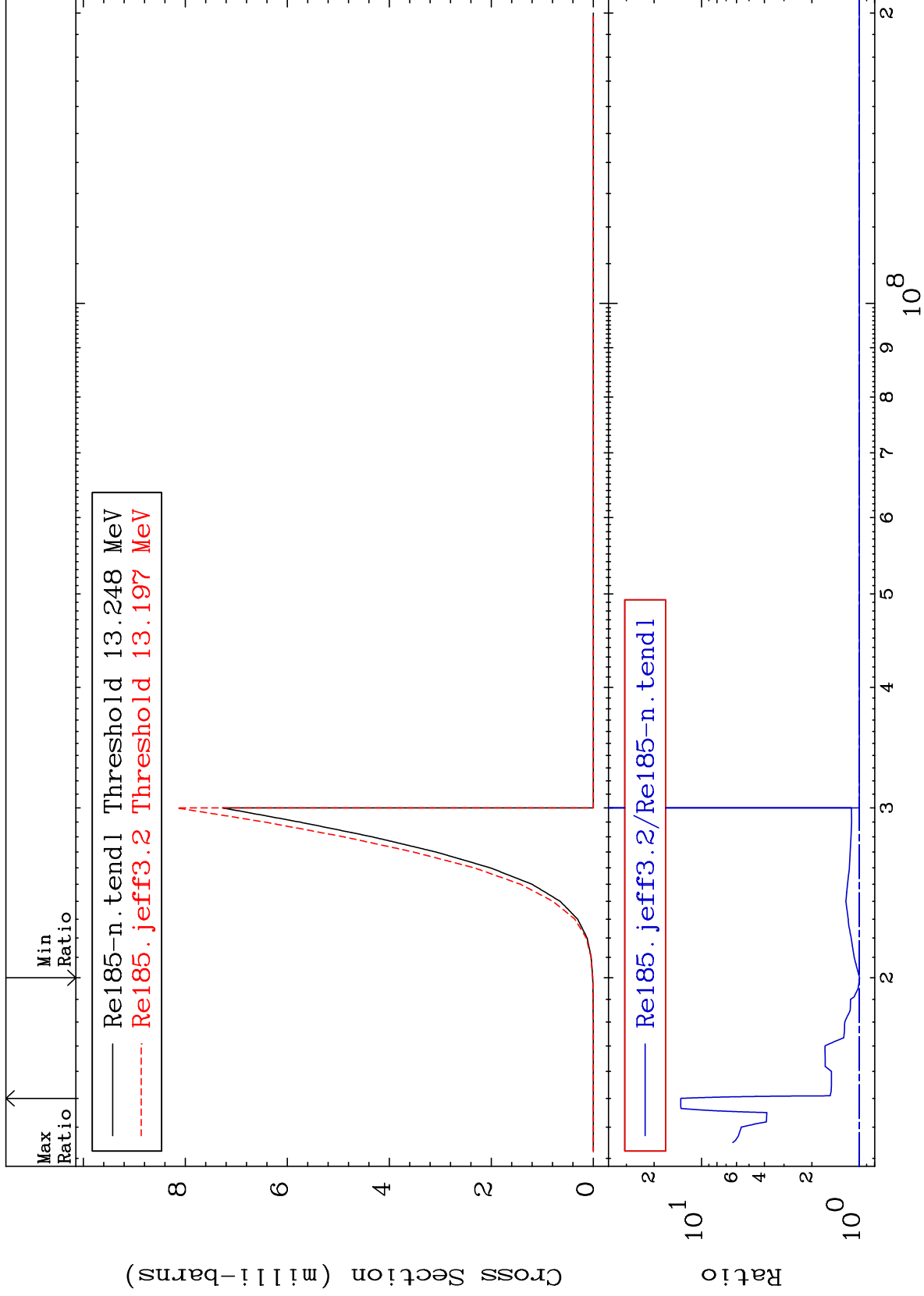


MAT 7525

(n,2n) p:74-W -183m7

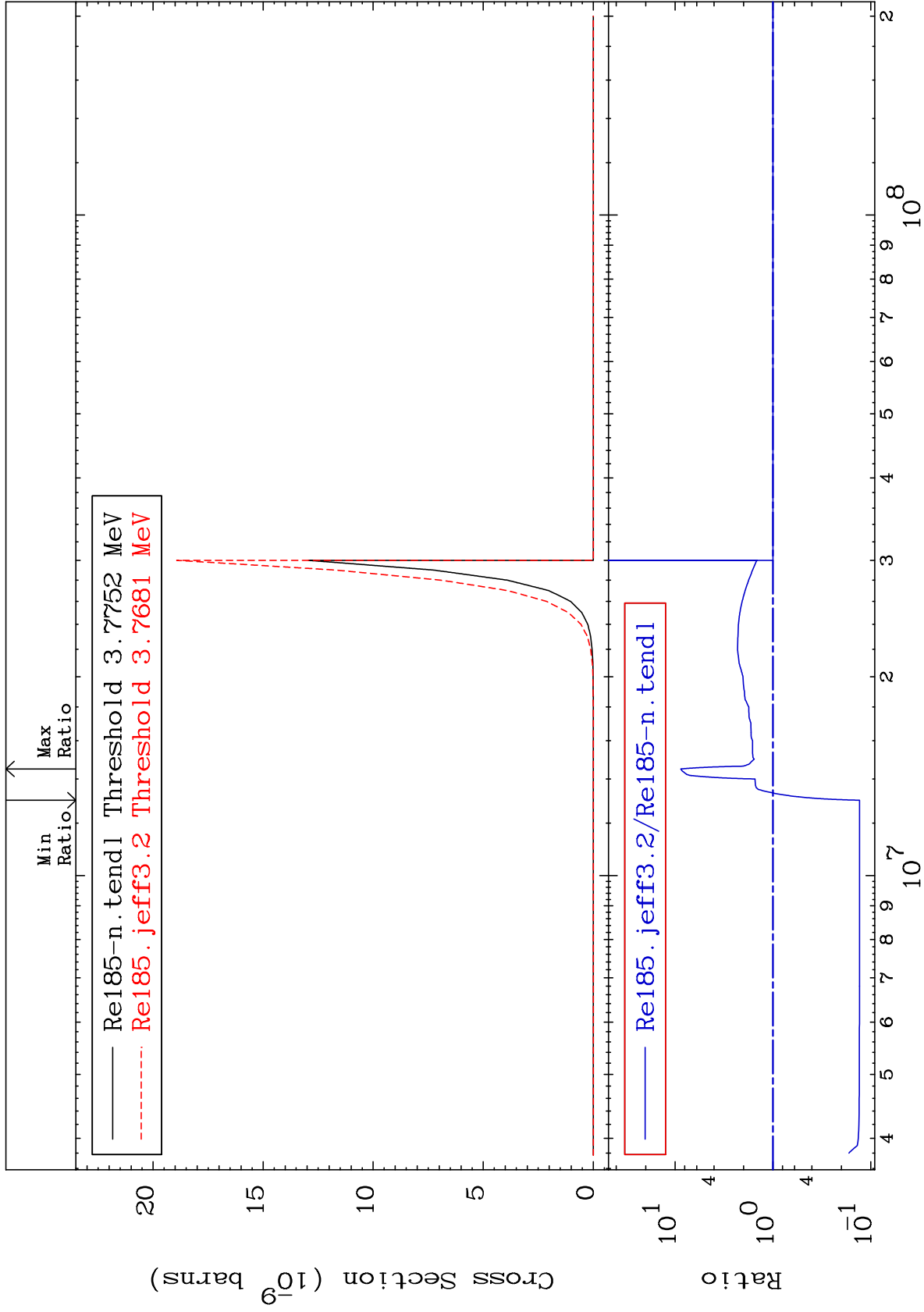
75-Re-185

Radionuclide Production Cross Section -0.319 To 1255. %



MAT 7525

(n, n') p  $\alpha$ : 72-Hf-180g 75-Re-185  
Radionuclide Production Cross Section -86.96 To 775.6 %

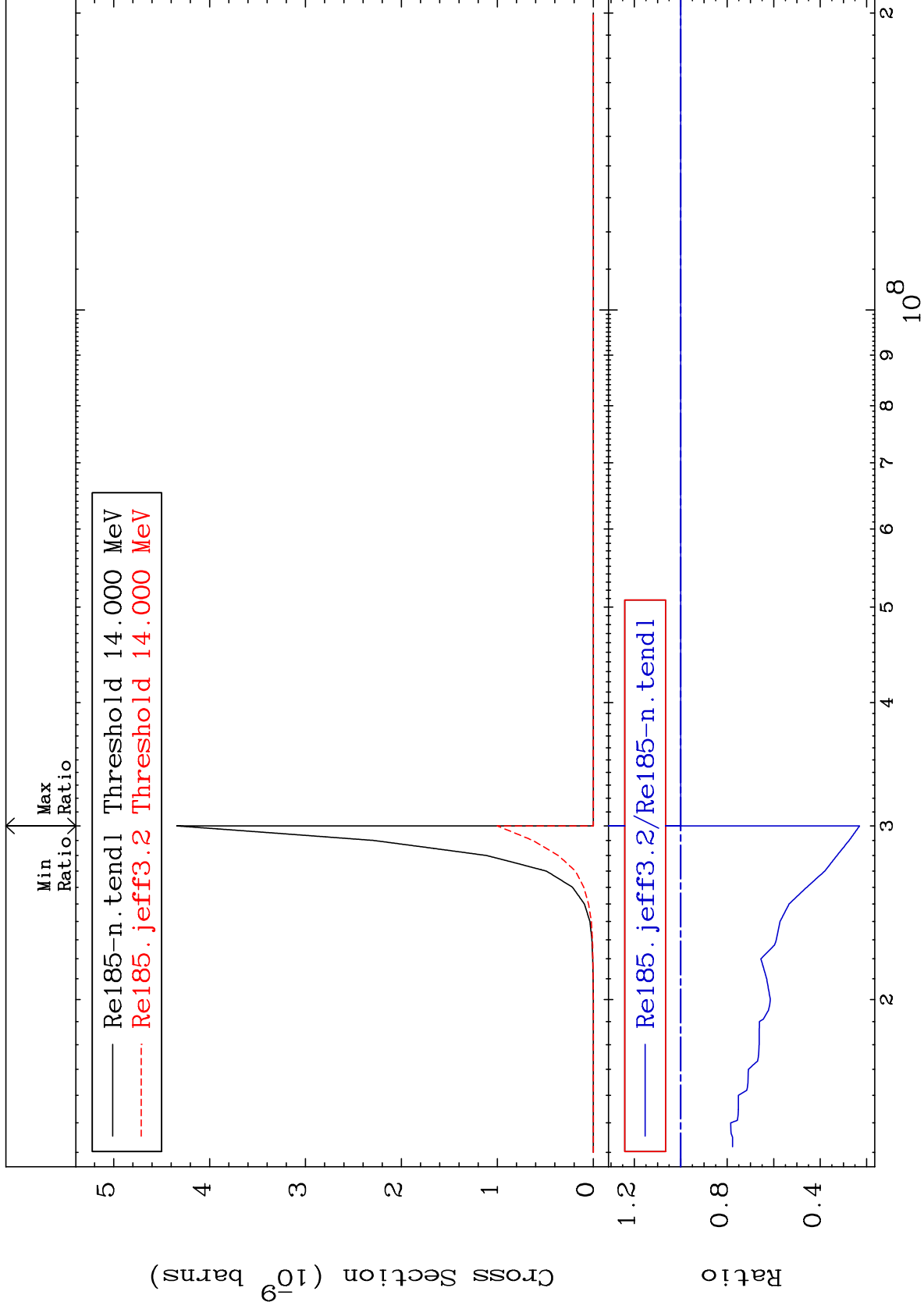


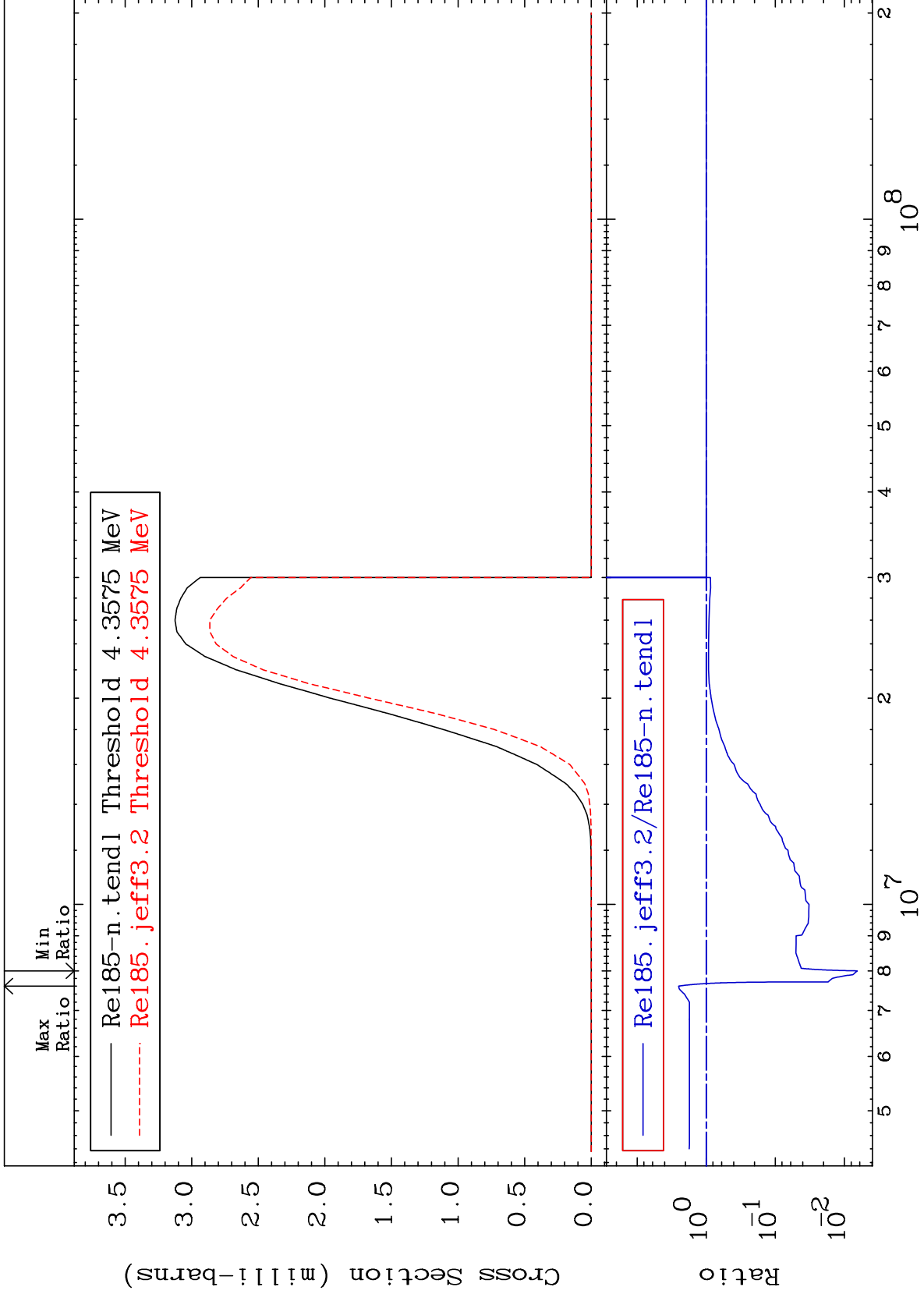
90

75-Re-185

75-Re-185

Radionuclide Production Cross Section -76.94 To 0.000 %



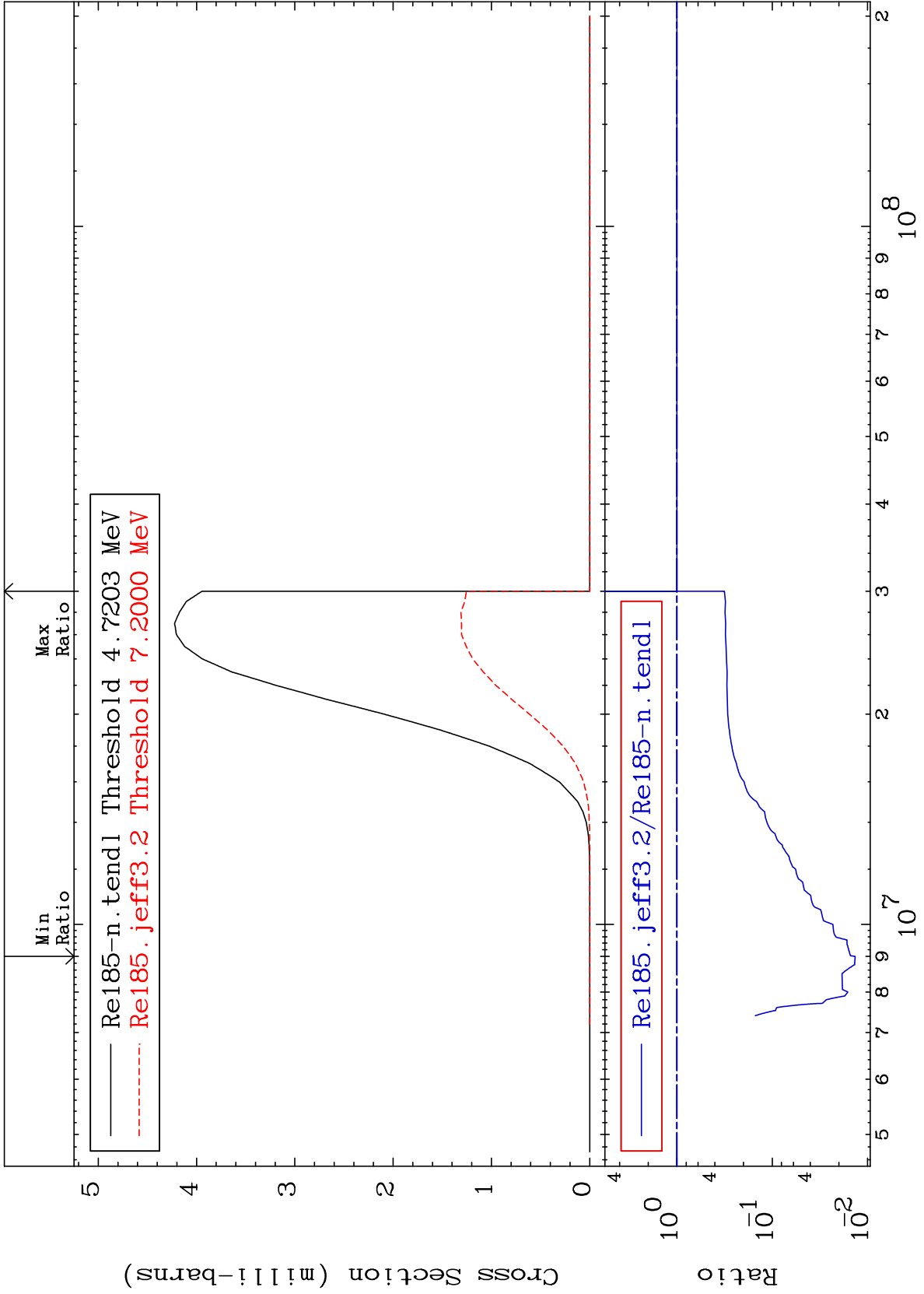


MAT 7525

(n, t): 74-W -183m7

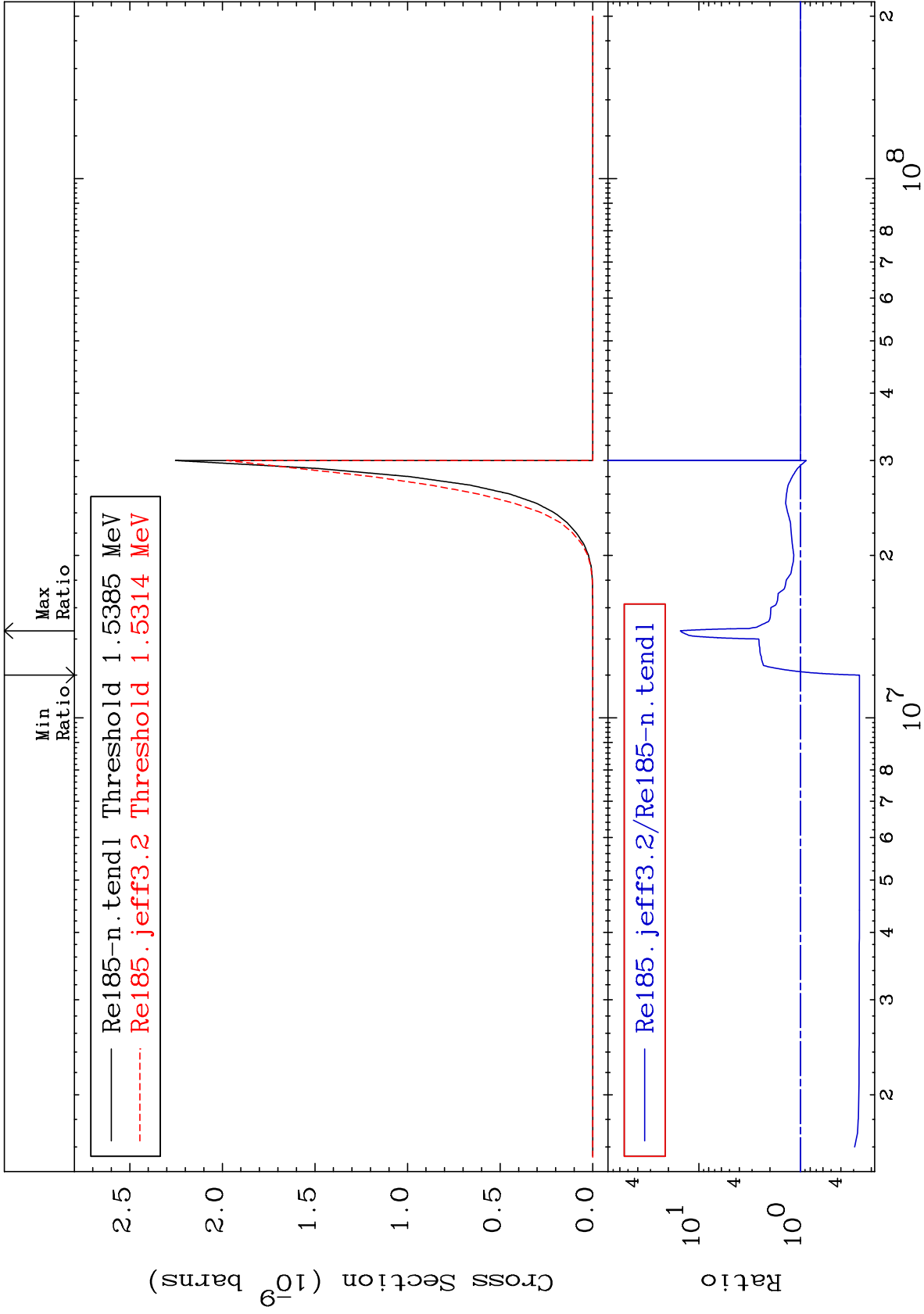
75-Re-185

Radionuclide Production Cross Section -98.65 To 0.000 %



MAT 7525

(n, d)  $\alpha$ : 72-Hf-180g 75-Re-185  
Radionuclide Production Cross Section -73.76 To 1424. %



Radionuclide Production Cross Section -84.33 To 3.513 %

