

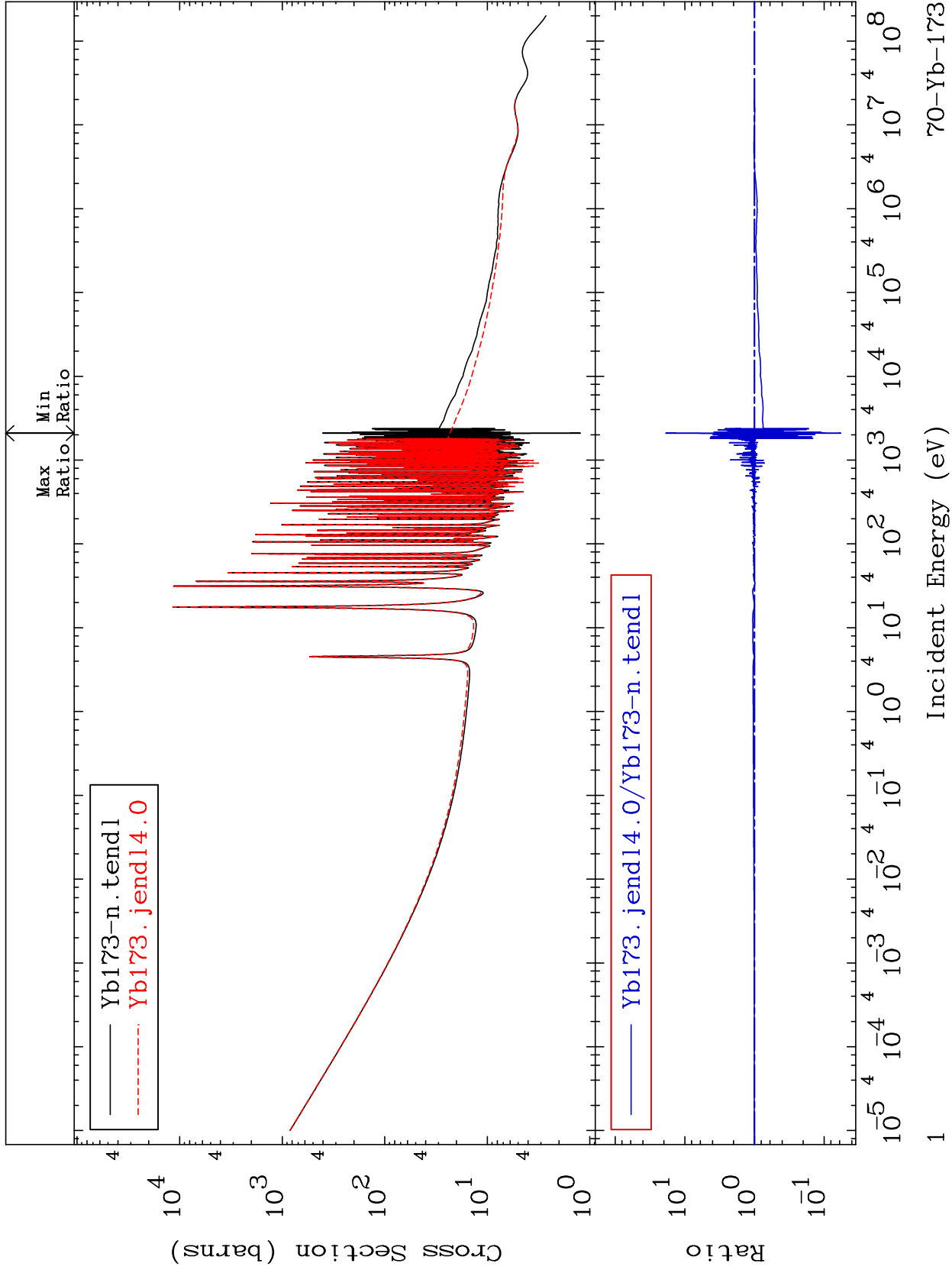
MAT 7040

Total

Cross Section

70-Yb-173

-94.24 To 1765. %



Incident Energy (eV)

70-Yb-173

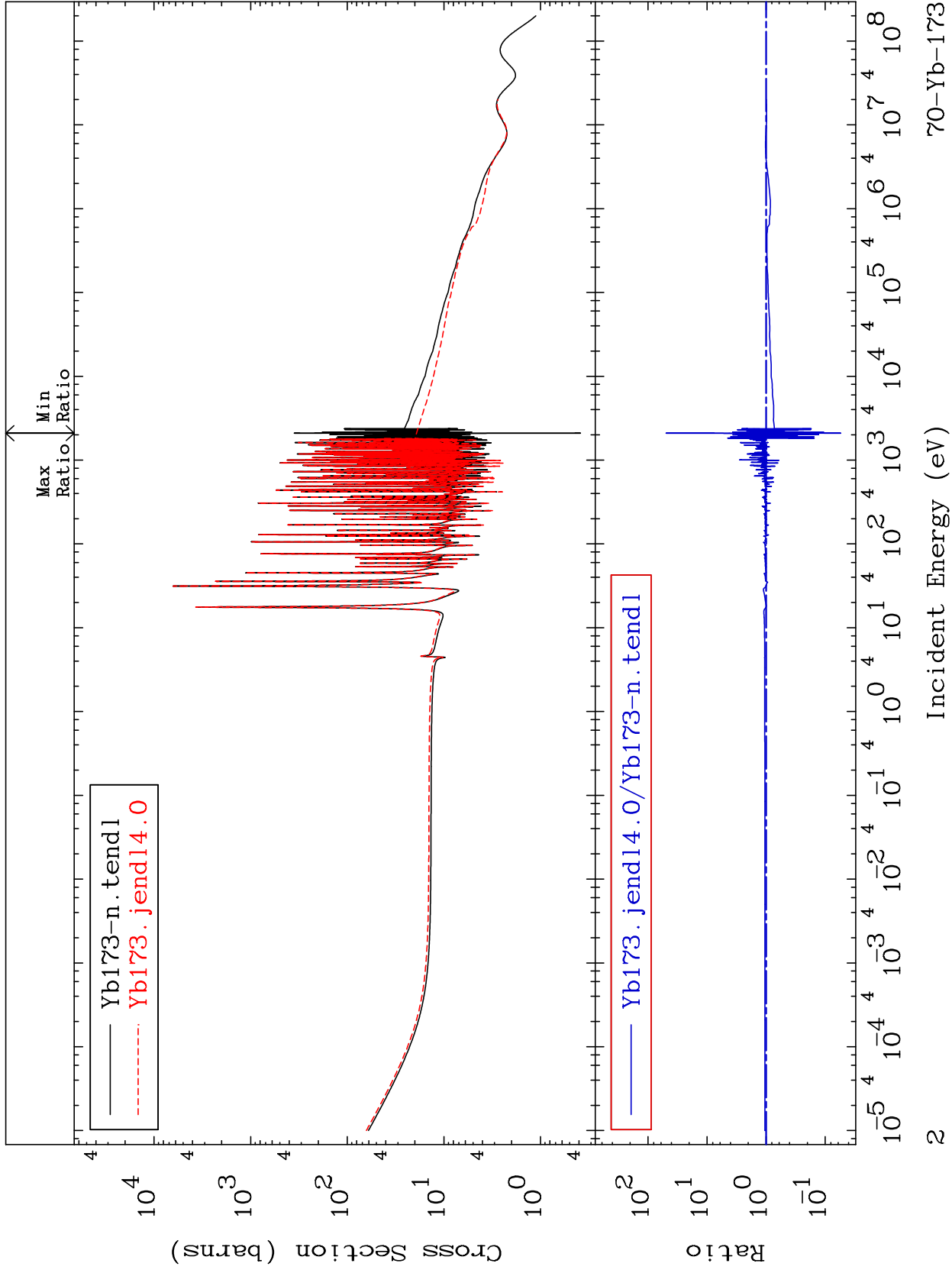
MAT 7040

Elastic

Cross Section

70-Yb-173

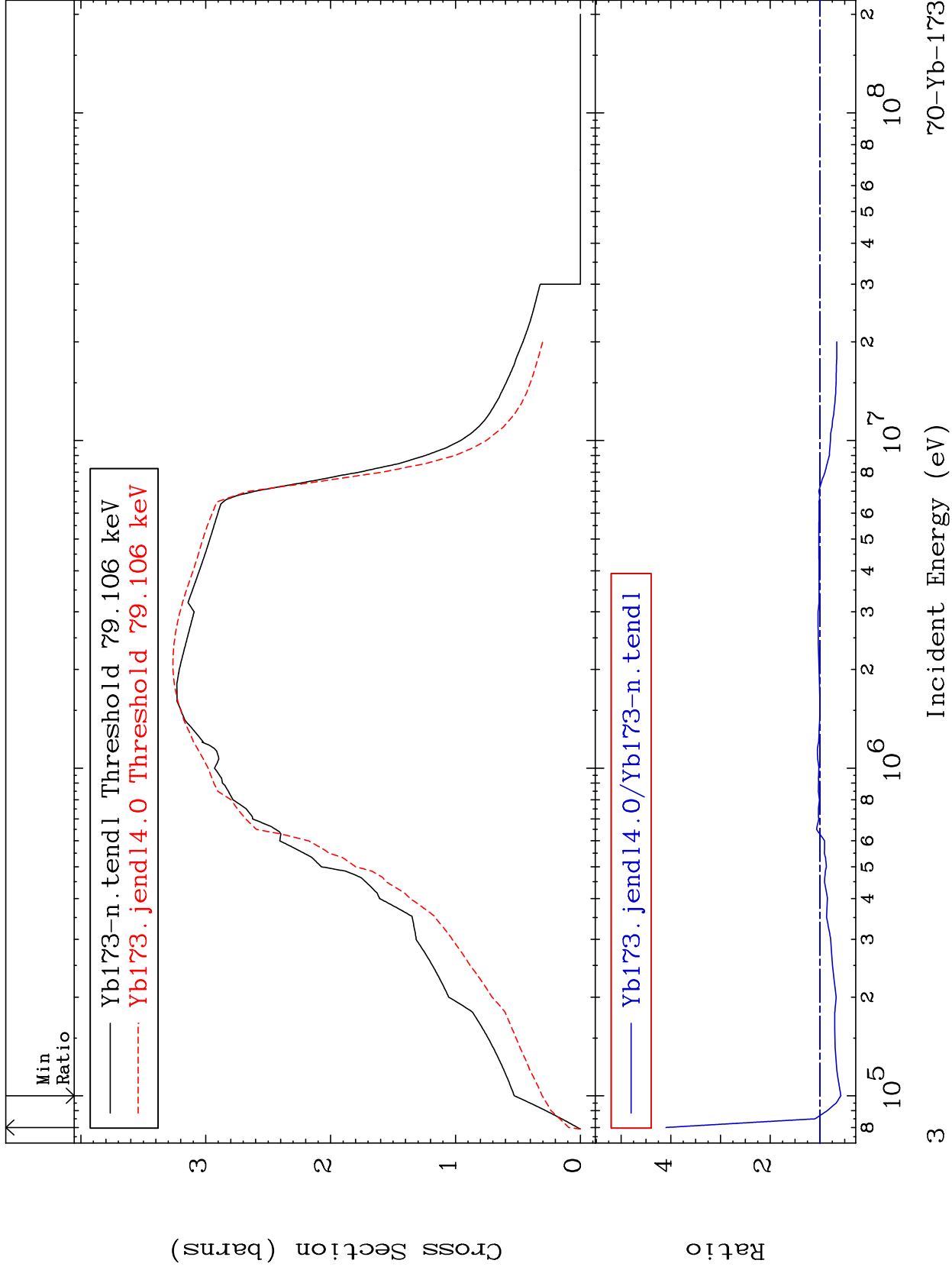
-94.58 To 4851. %



MAT 7040

Inelastic  
Cross Section

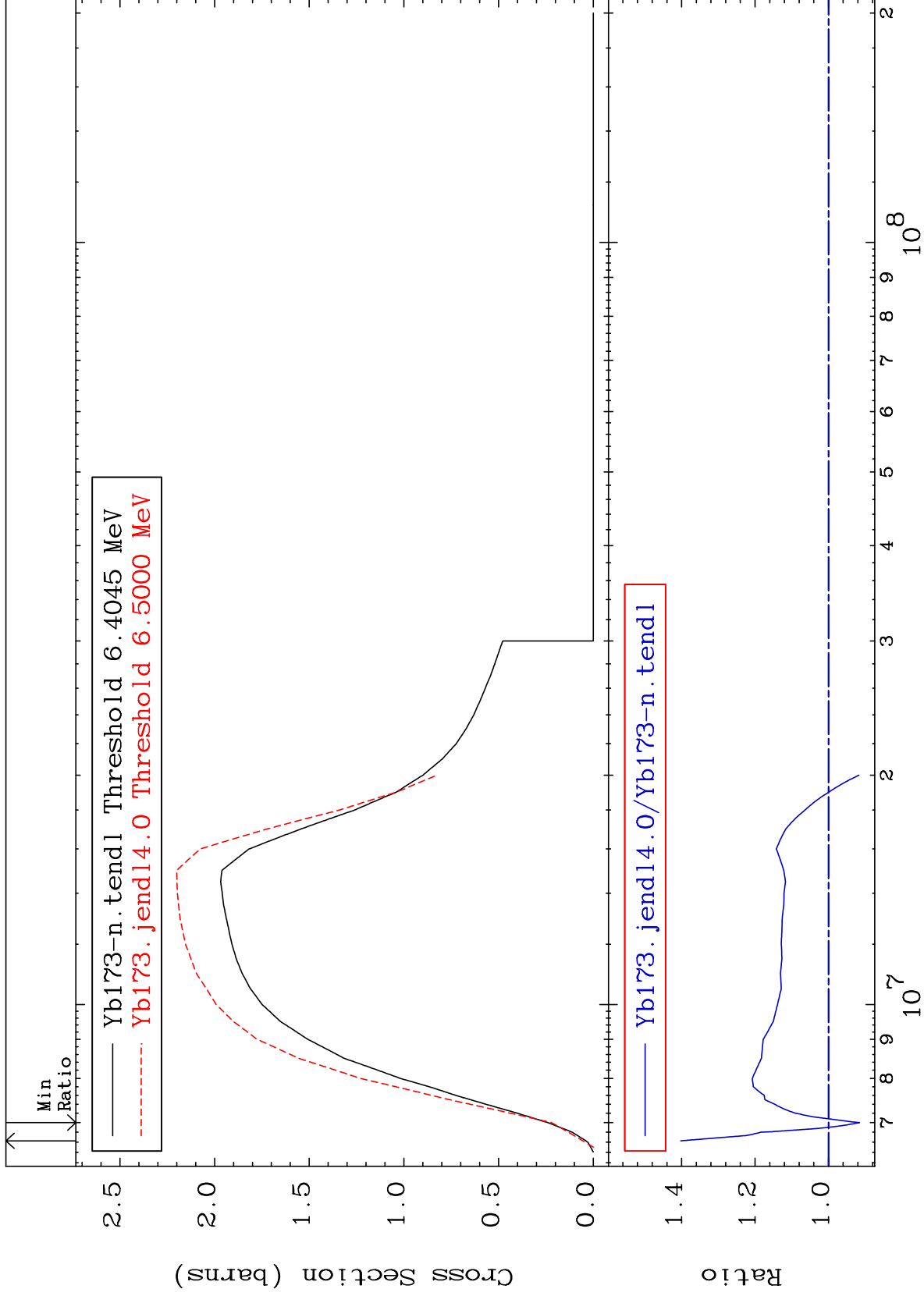
70-Yb-173  
-42.33 To 309.7 %



MAT 7040

(n,2n)  
Cross Section

<sup>70</sup>Yb-173  
-8.452 To 40.22 %



4

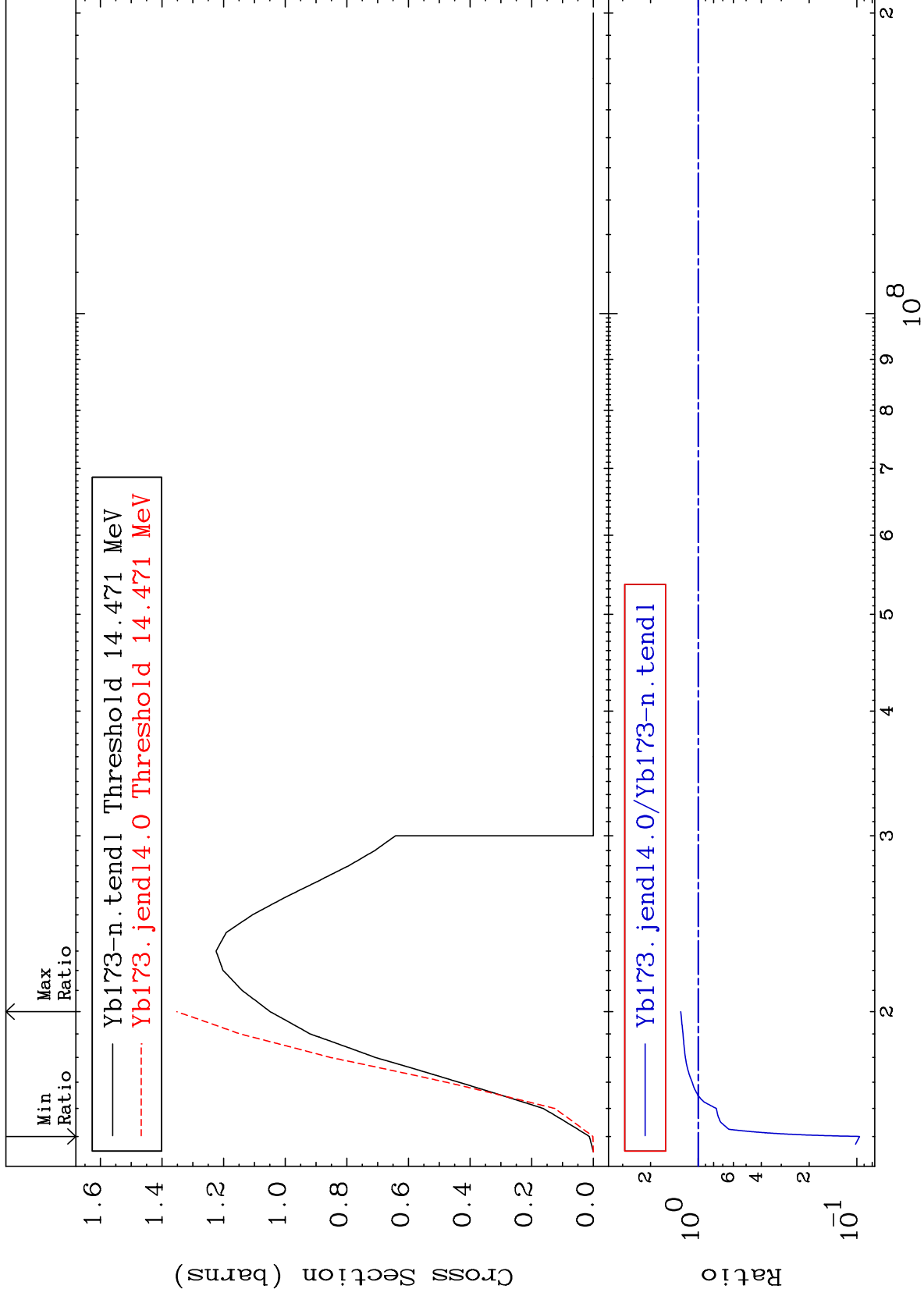
Incident Energy (eV)

<sup>70</sup>Yb-173

MAT 7040

(n, 3n)  
Cross Section

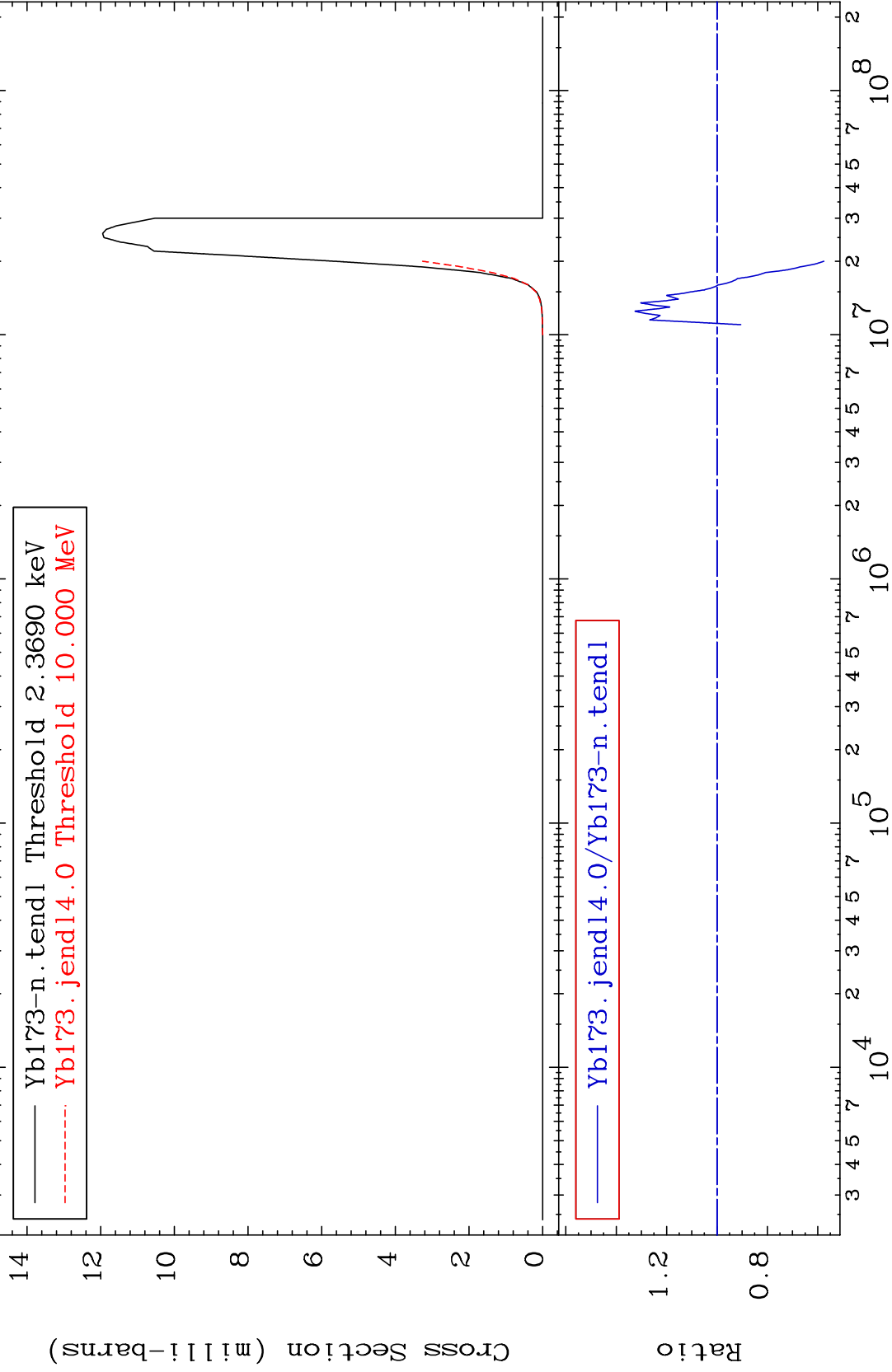
70-Yb-173  
-90.38 To 28.89 %



MAT 7040

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

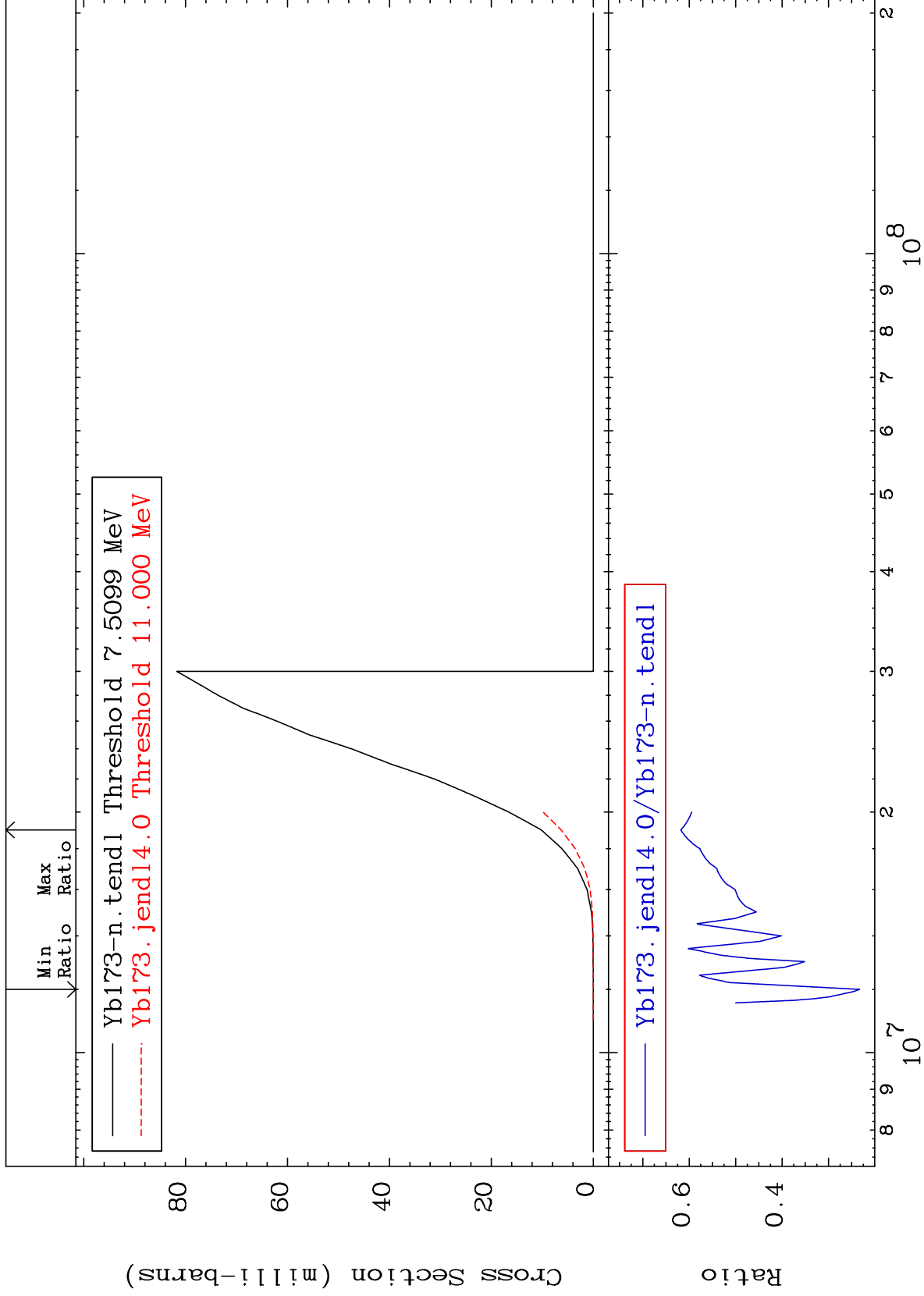
70-Yb-173  
-42.46 To 32.52 %



MAT 7040

(n, n') p  
Cross Section

<sup>70</sup>Yb-173  
-76.68 To -38.18%



7

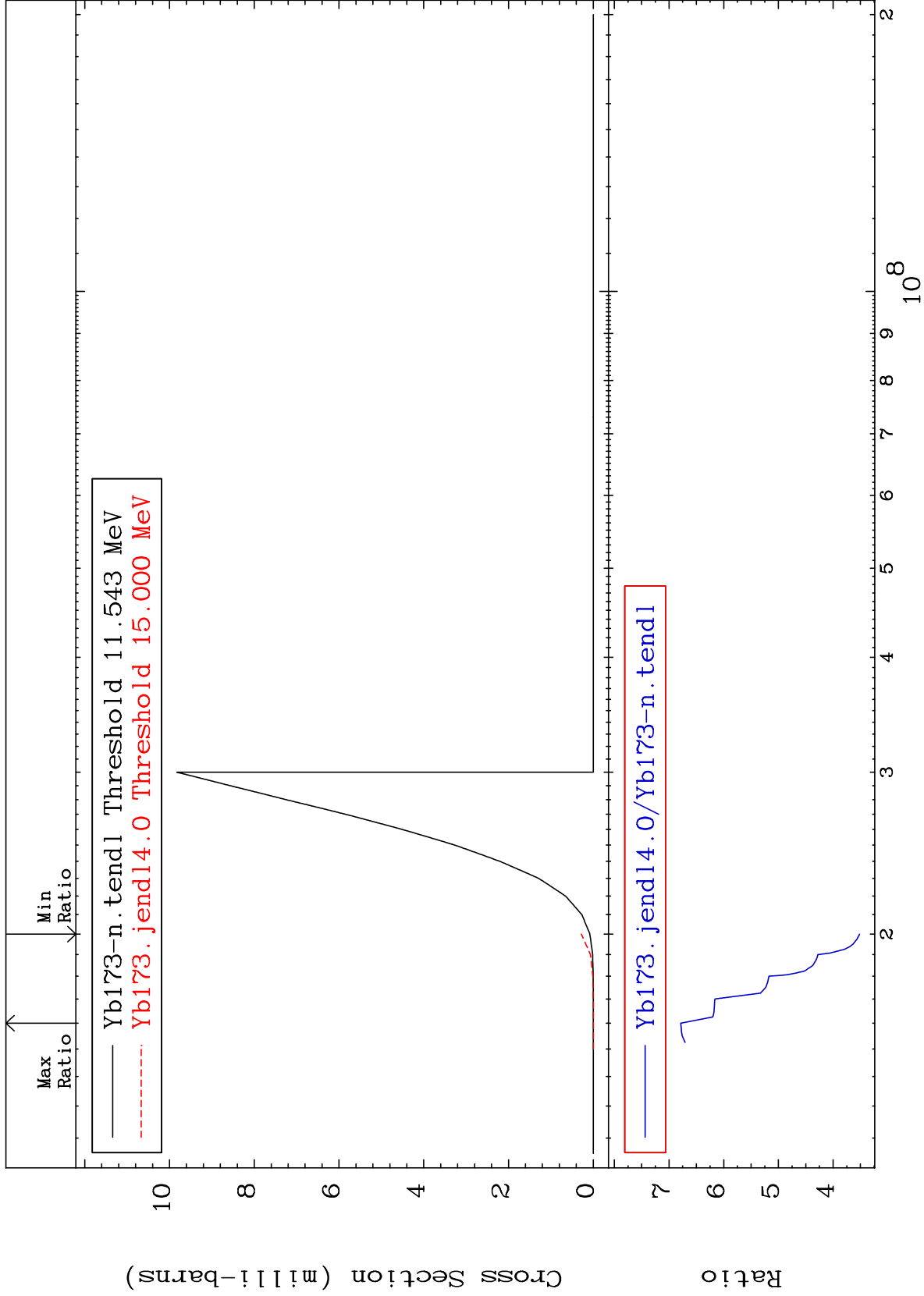
Incident Energy (eV)

<sup>70</sup>Yb-173

MAT 7040

(n,n') d  
Cross Section

70-Yb-173  
251.7 To 578.5 %

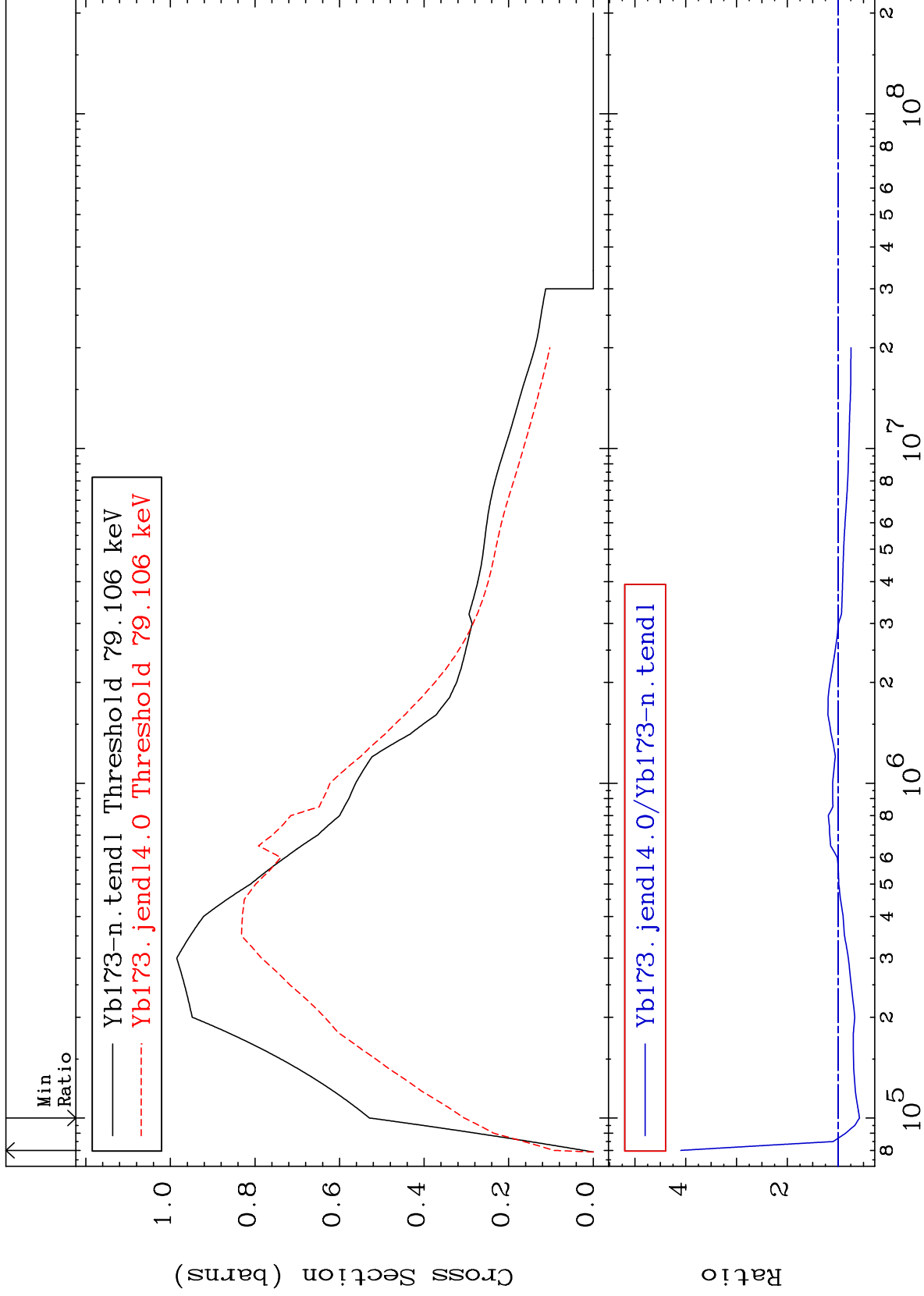




MAT 7040

78.65 keV (n,n') Level  
Cross Section

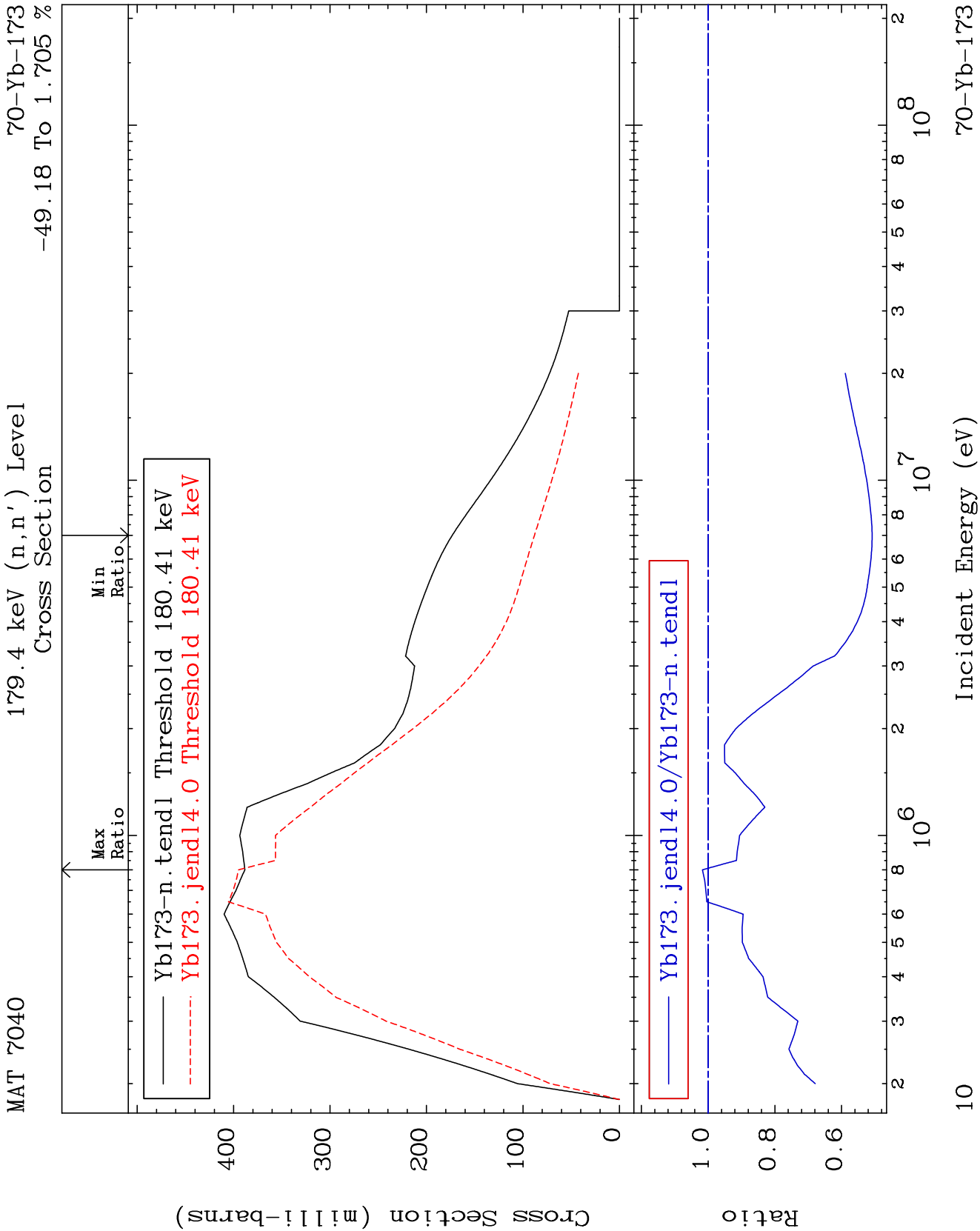
70-Yb-173  
-42.33 To 309.7 %



9

Incident Energy (eV)

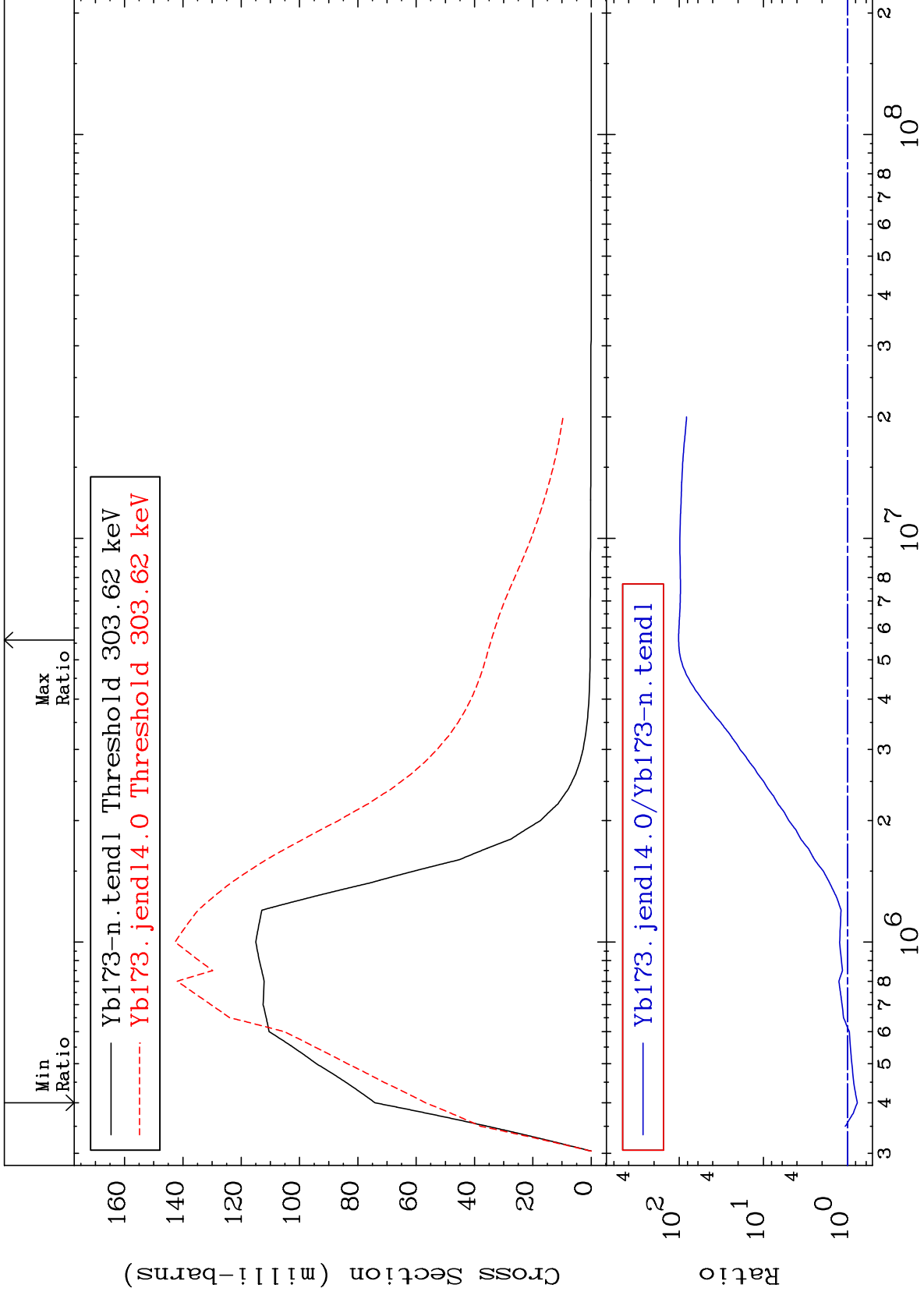
70-Yb-173



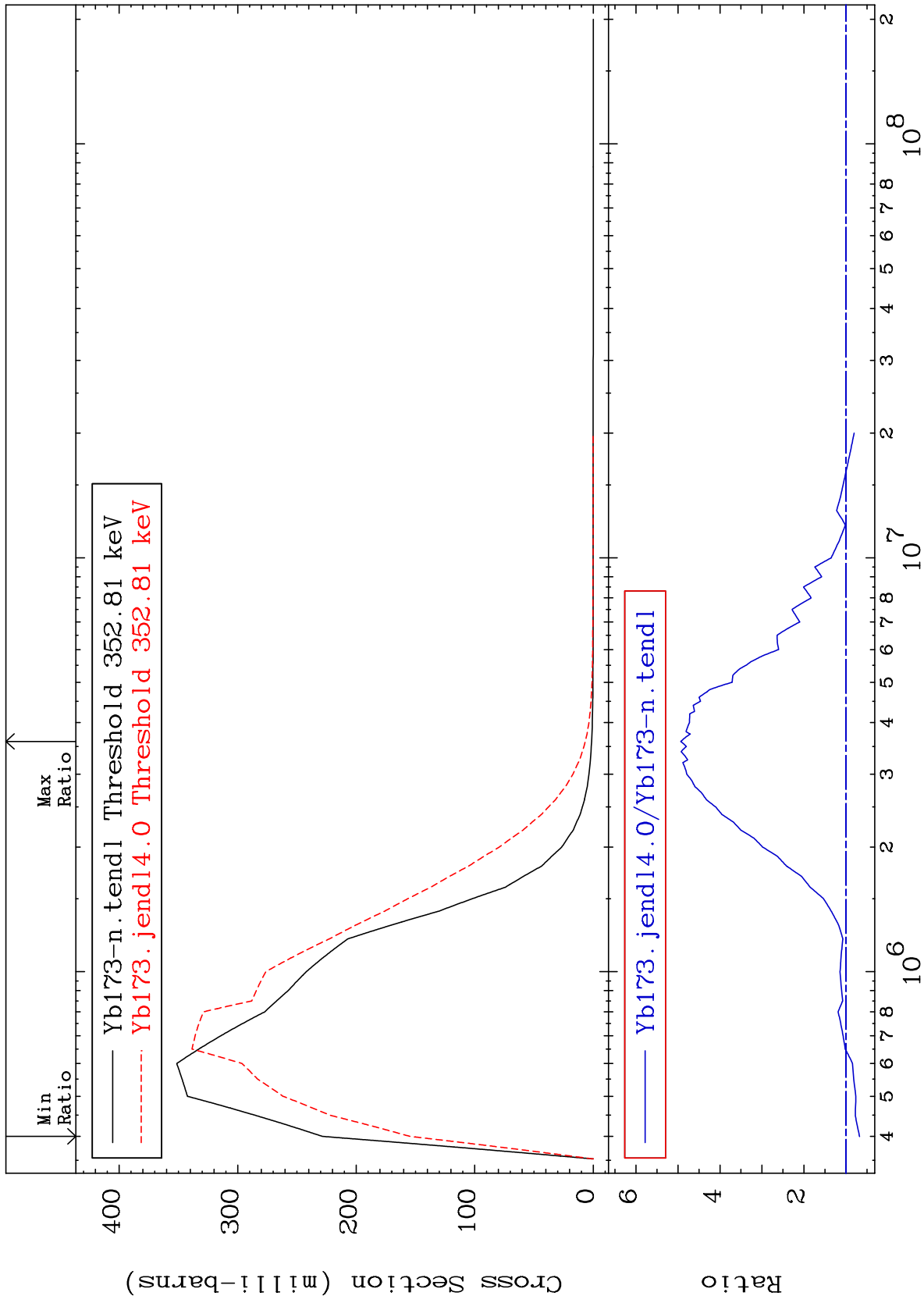
MAT 7040

301.9 keV (n,n') Level  
Cross Section

70-Yb-173  
-23.42 To 9999. %



MAT 7040 350.8 keV (n,n') Level 70-Yb-173  
 Cross Section -32.32 To 393.4 %

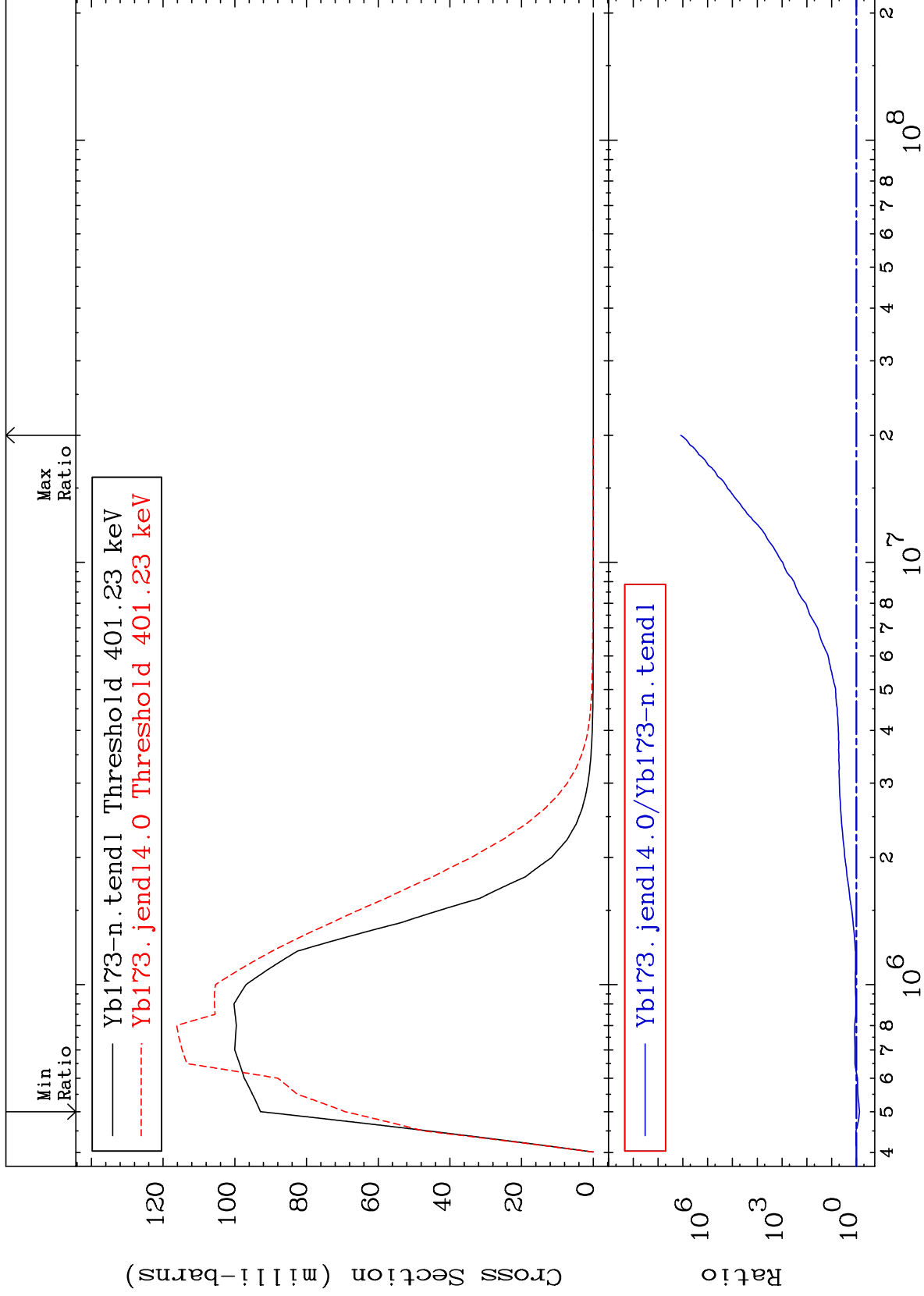


12 70-Yb-173

MAT 7040

398.9 keV (n,n') Level  
Cross Section

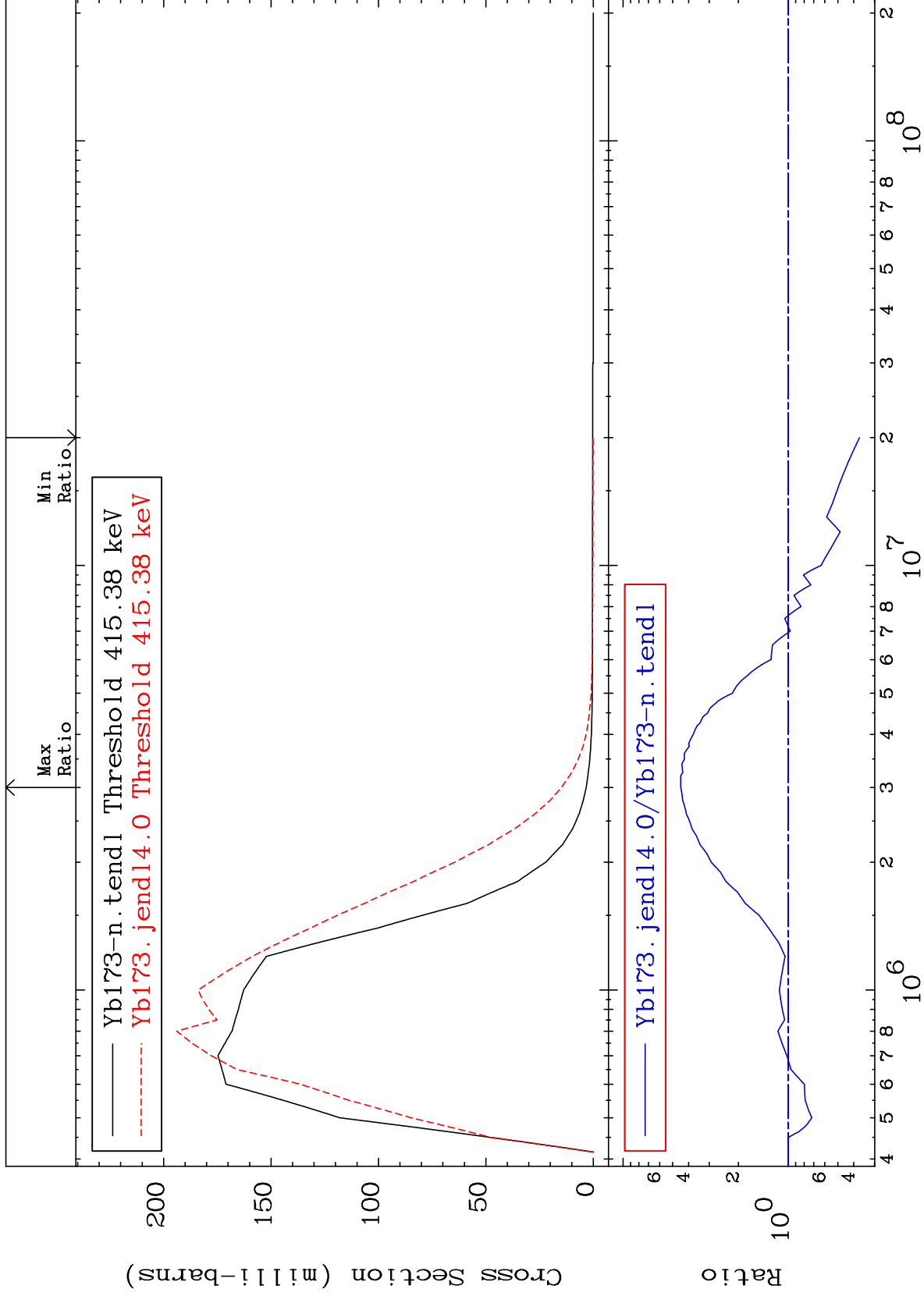
70-Yb-173  
-25.45 To 9999. %



MAT 7040

413.0 keV (n,n') Level  
Cross Section

70-Yb-173  
-63.08 To 346.6 %



14

Incident Energy (eV)

70-Yb-173

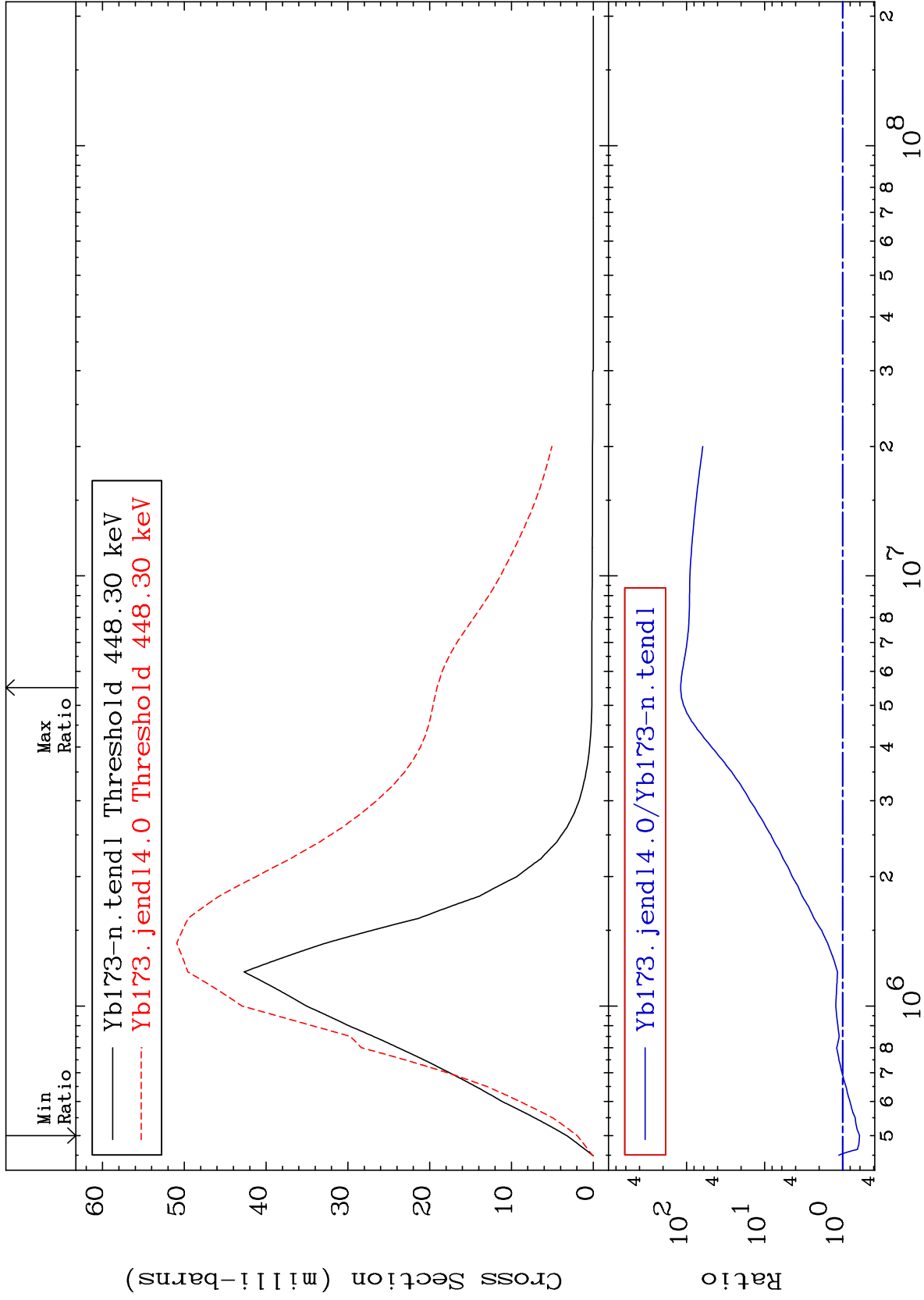
MAT 7040

445.7 keV (n,n') Level

<sup>70</sup>Yb-173

-39.39 To 9999. %

Cross Section



15

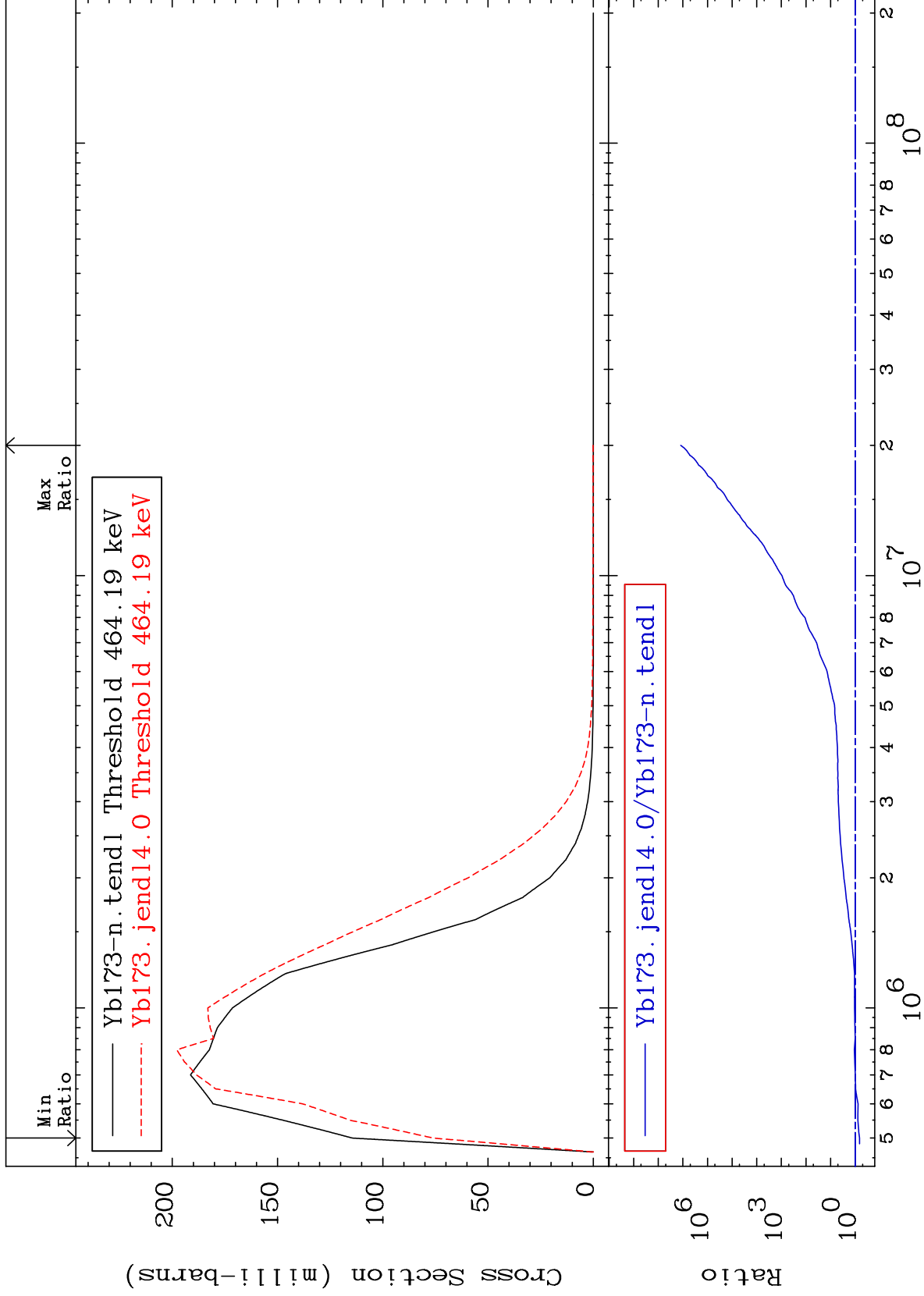
Incident Energy (eV)

<sup>70</sup>Yb-173

MAT 7040

461.5 keV (n,n') Level  
Cross Section

70-Yb-173  
-33.54 To 9999. %



16

Incident Energy (eV)

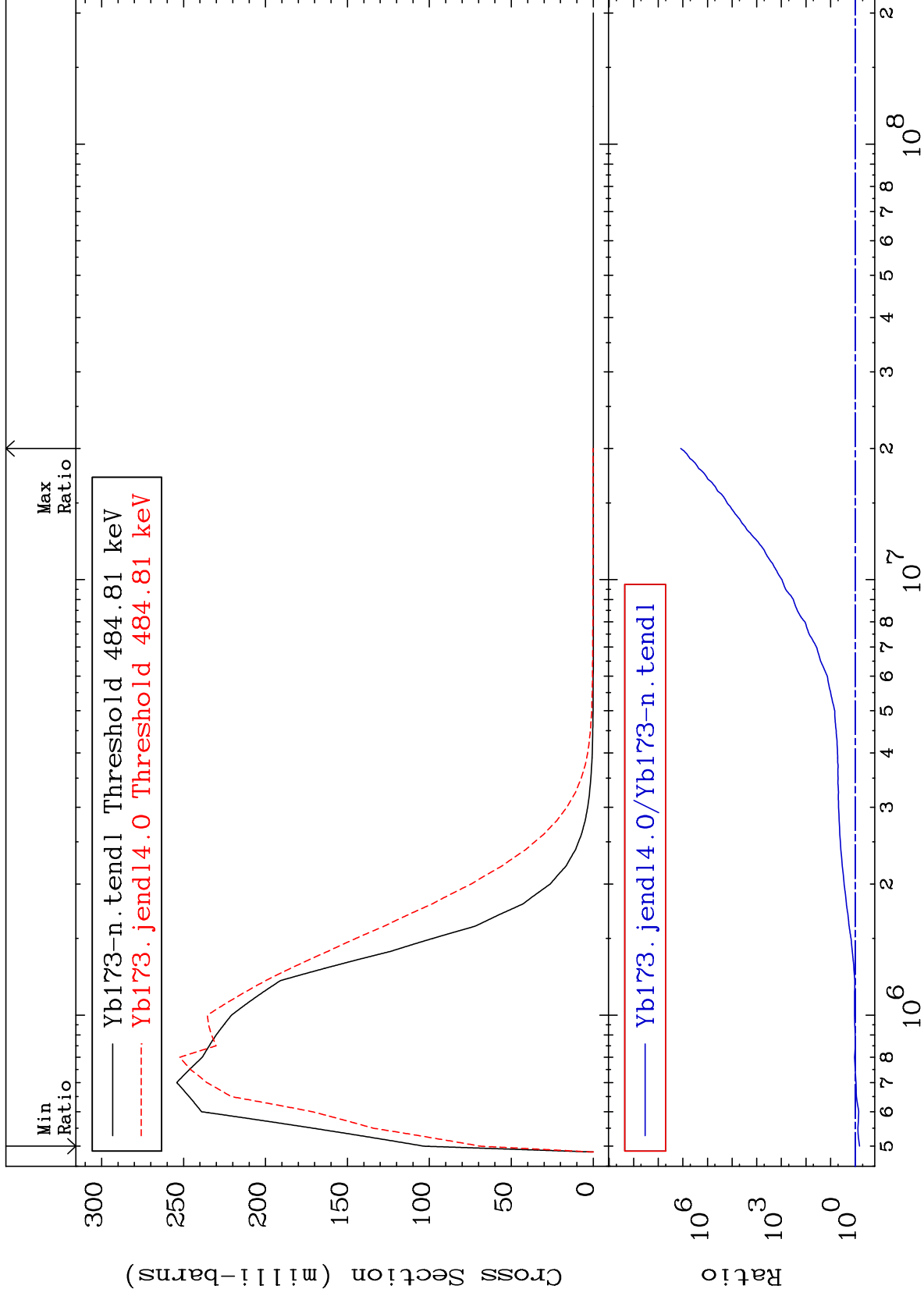
70-Yb-173



MAT 7040

482.0 keV (n,n') Level  
Cross Section

70-Yb-173  
-33.33 To 9999. %



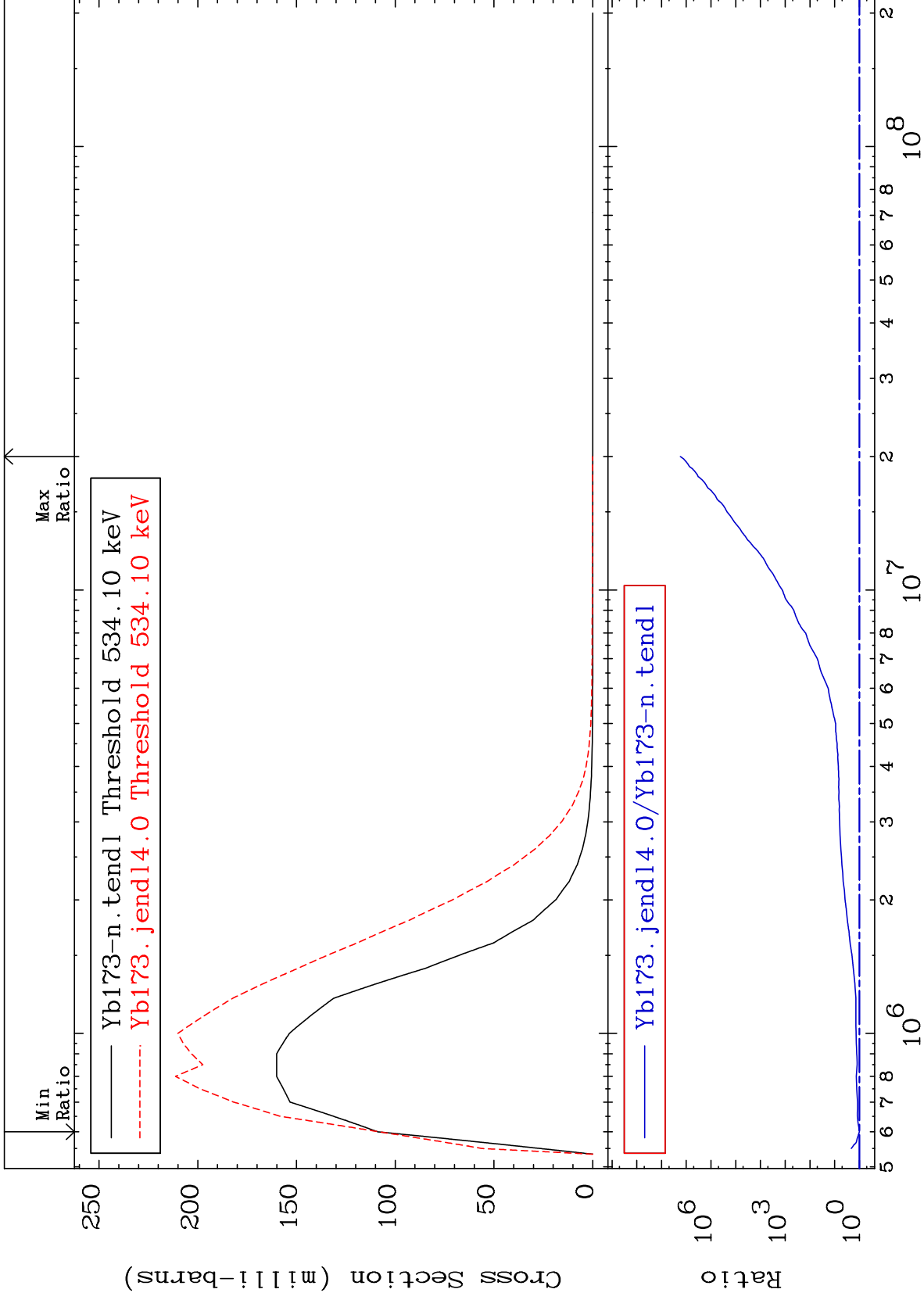
17

70-Yb-173

MAT 7040

531.0 keV (n,n') Level  
Cross Section

70-Yb-173  
-0.575 To 9999. %



18

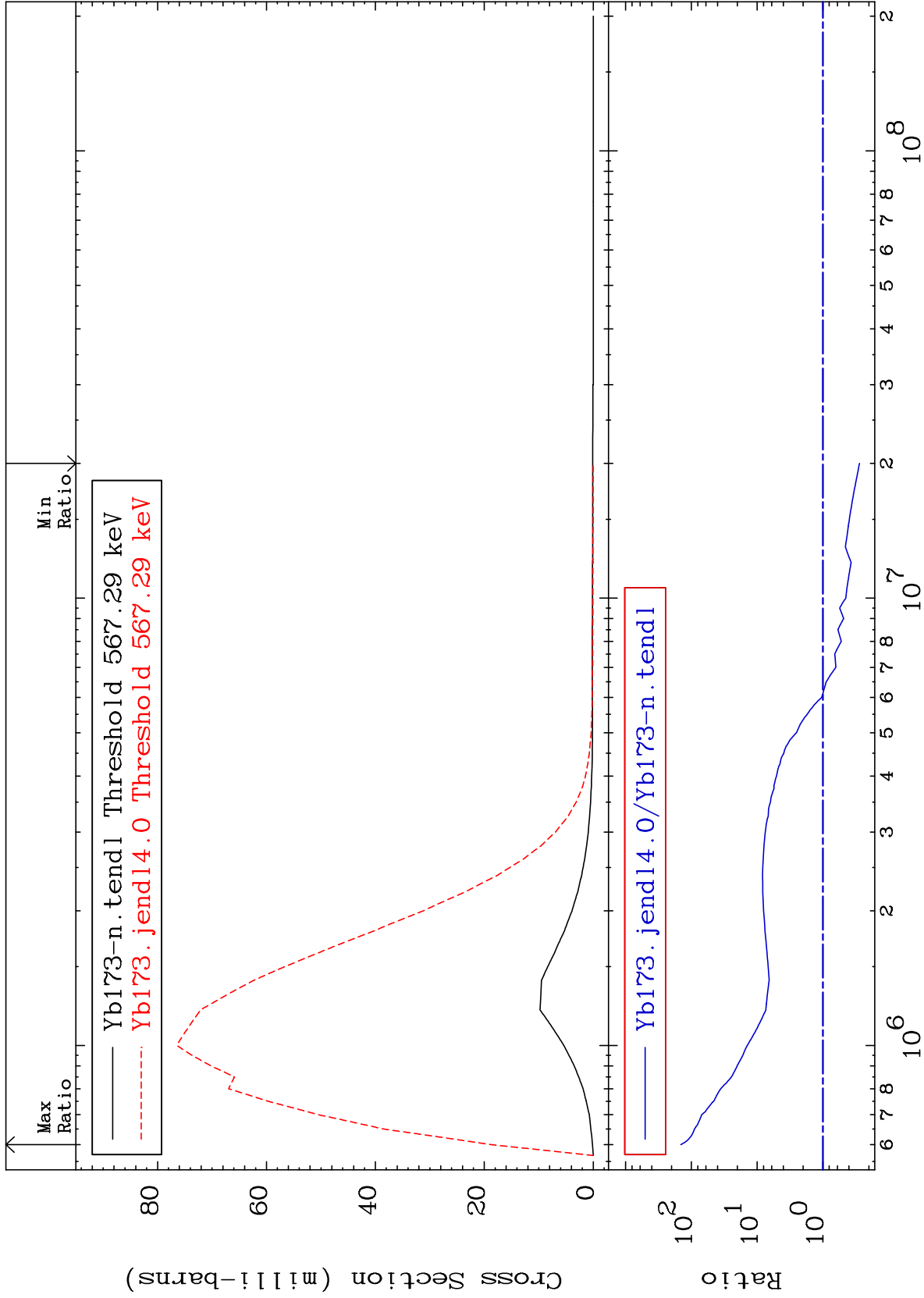
Incident Energy (eV)

70-Yb-173

MAT 7040

564.0 keV (n,n') Level  
Cross Section

70-Yb-173  
-72.33 To 9999. %

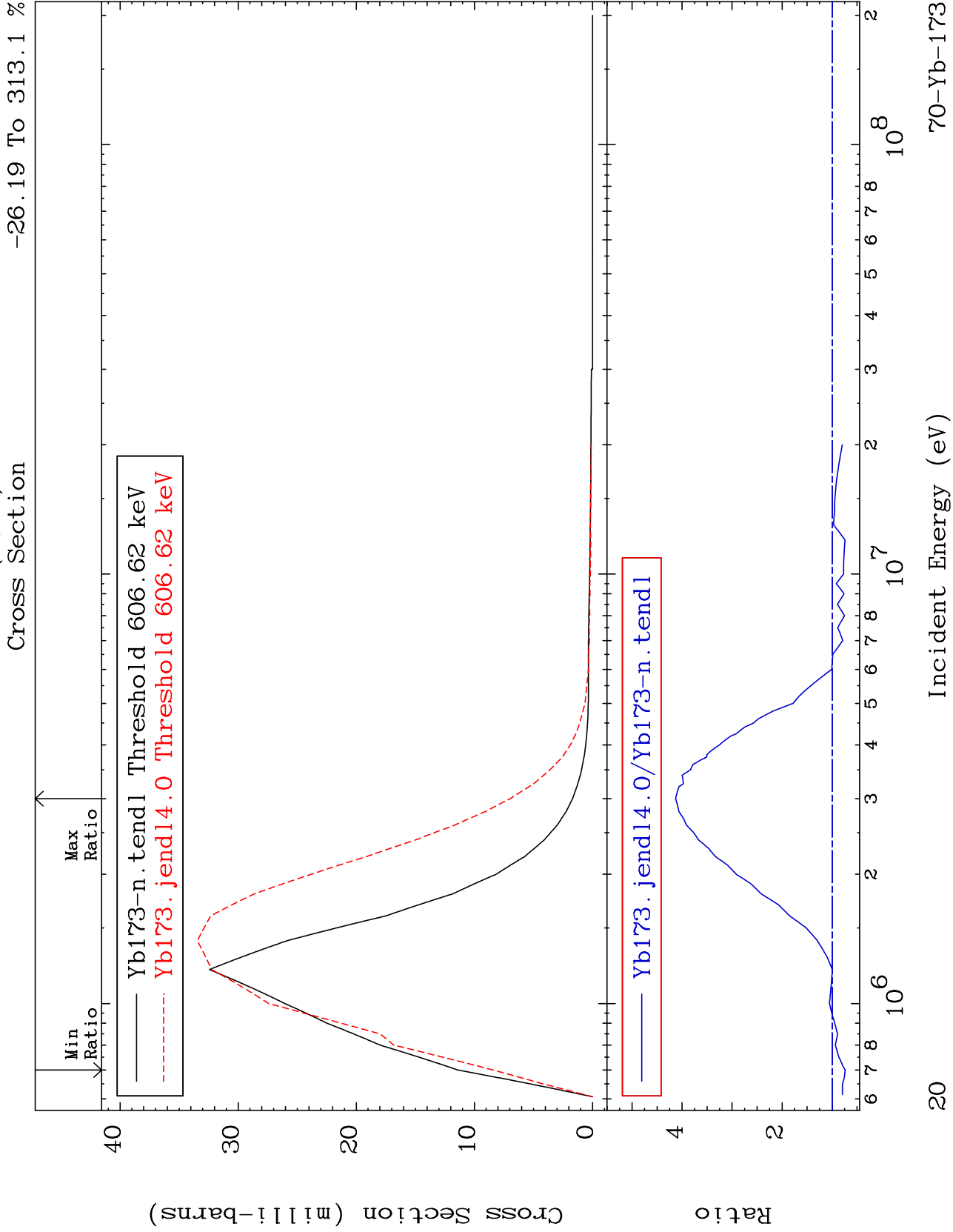


MAT 7040

603.1 keV (n,n') Level

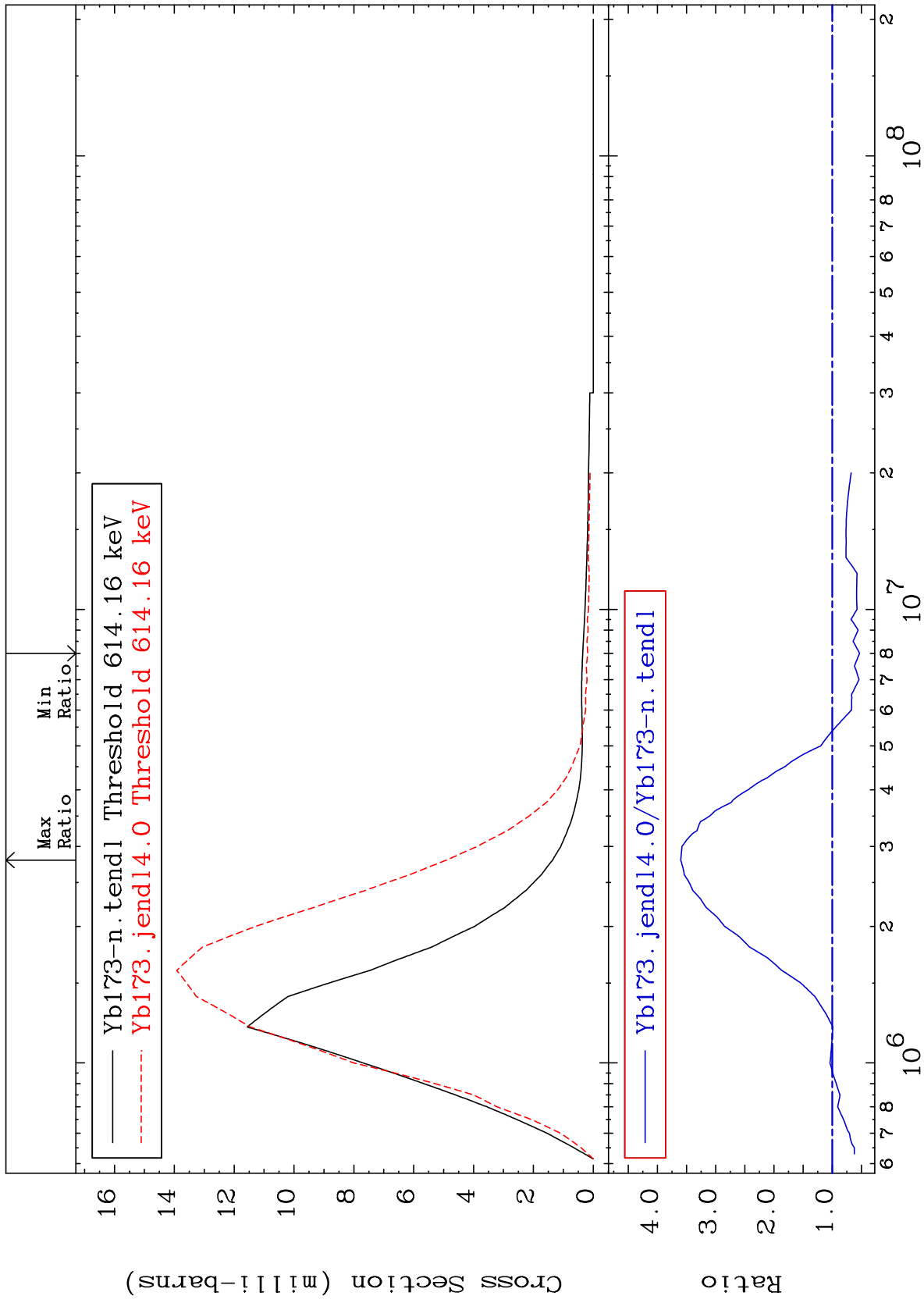
70-Yb-173

-26.19 To 313.1 %



20

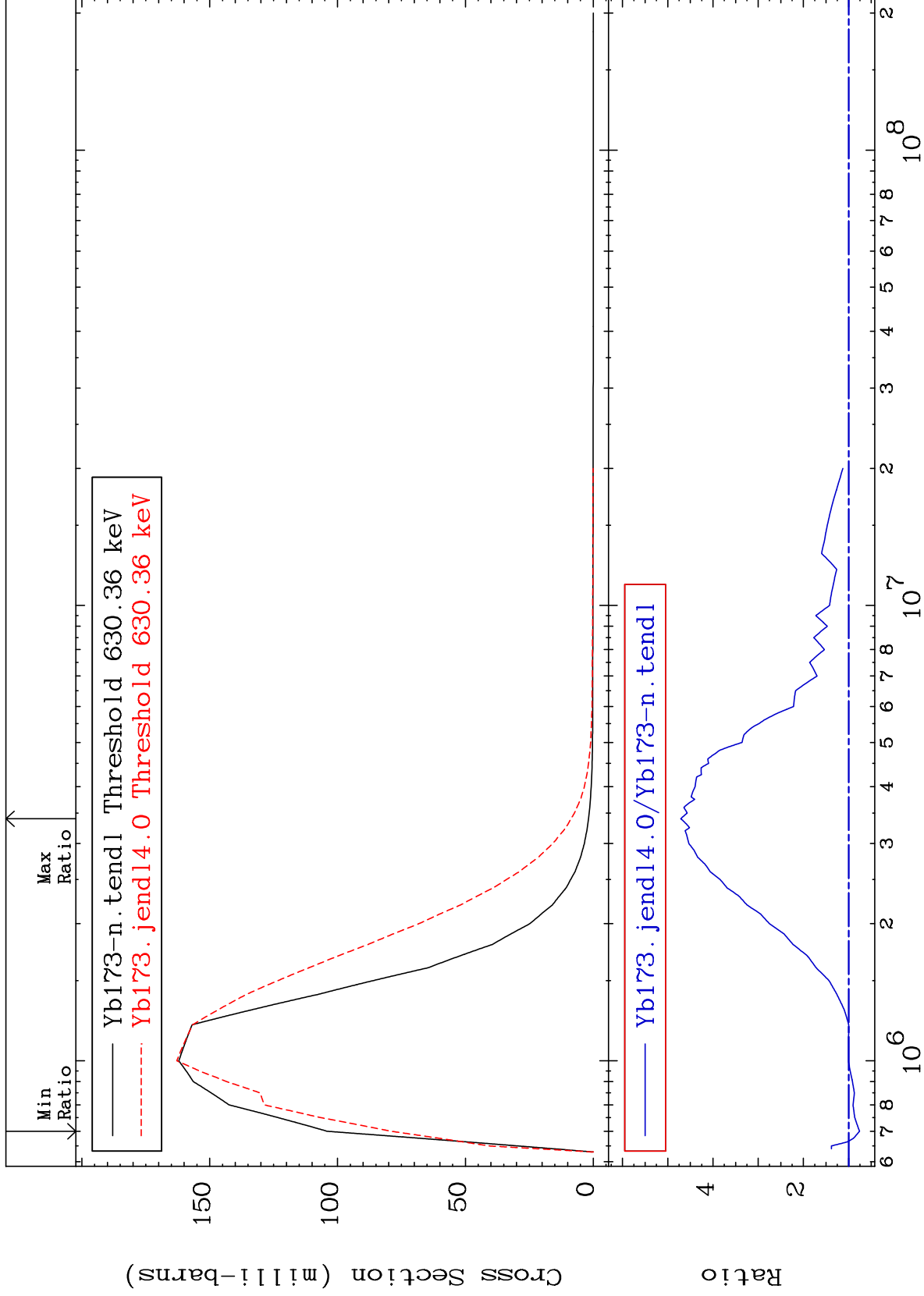
MAT 7040 70-Yb-173  
 610.6 keV (n,n') Level -46.70 To 259.8 %  
 Cross Section



MAT 7040

626.7 keV (n,n') Level  
Cross Section

70-Yb-173  
-24.10 To 371.2 %

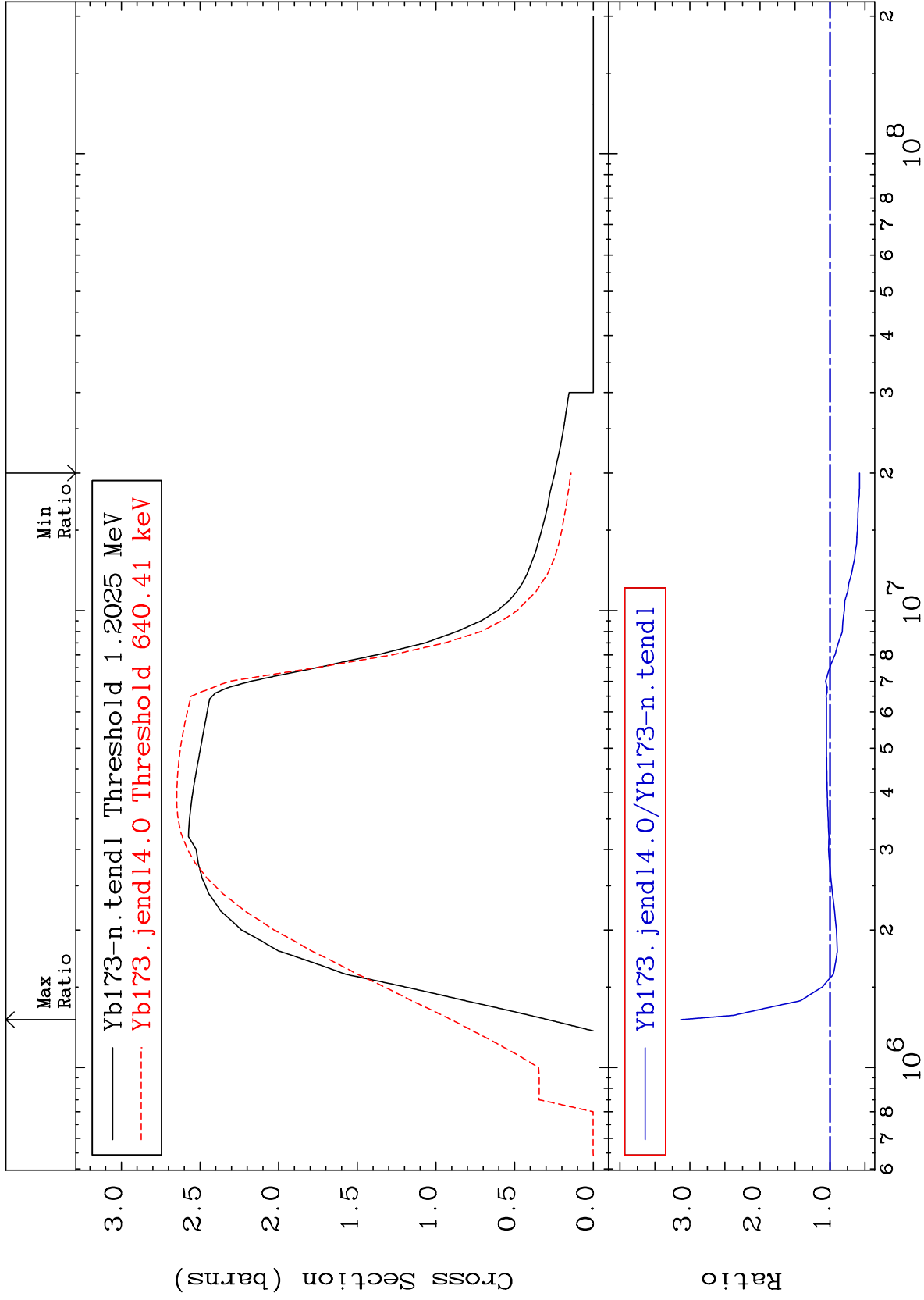


22

Incident Energy (eV)

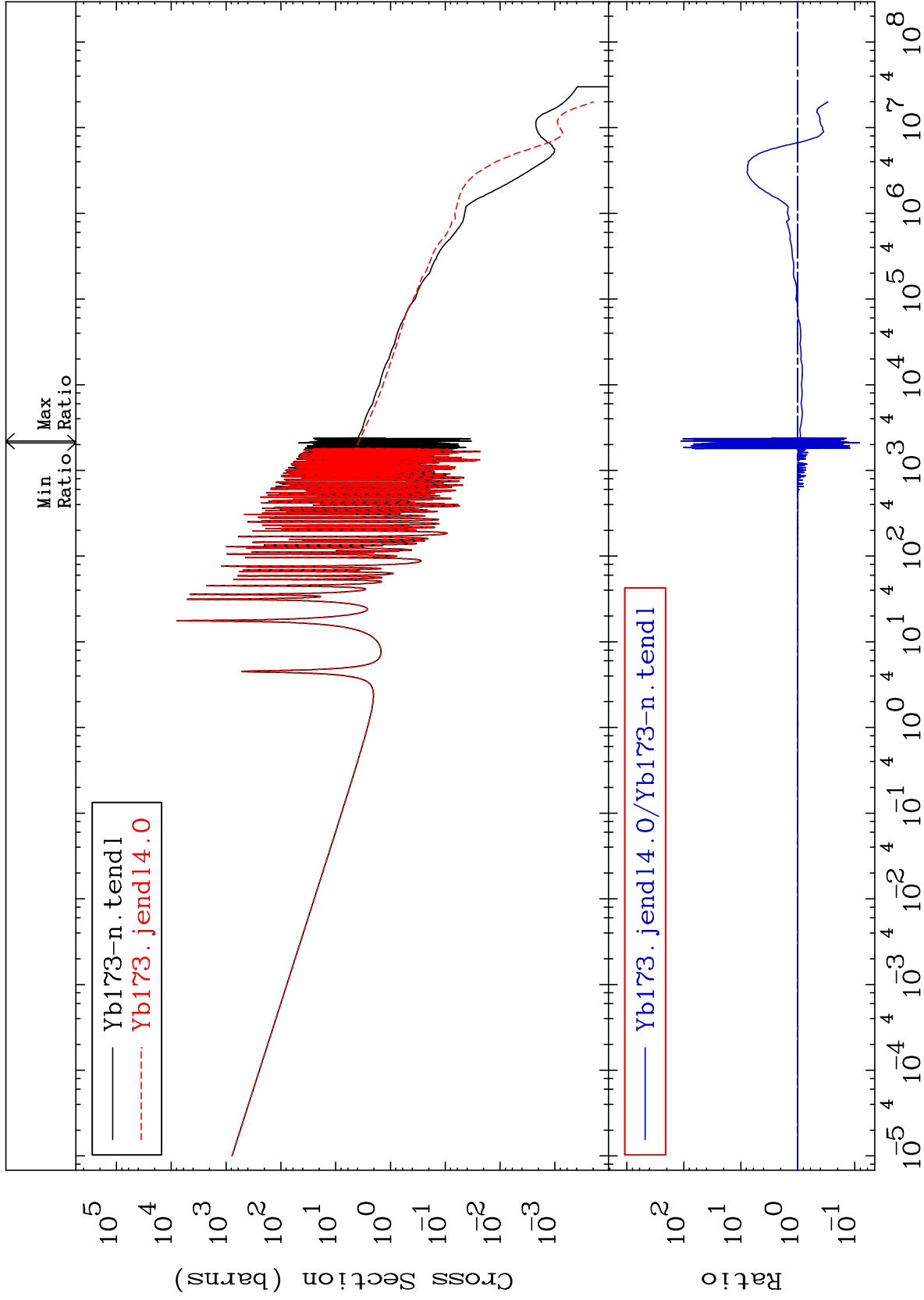
70-Yb-173

MAT 7040 (n, n') Continuum Cross Section 70-Yb-173 -42.15 To 213.1 %



MAT 7040

(n,  $\gamma$ )  
Cross Section  
70-Yb-173  
-91.75 To 9999. %





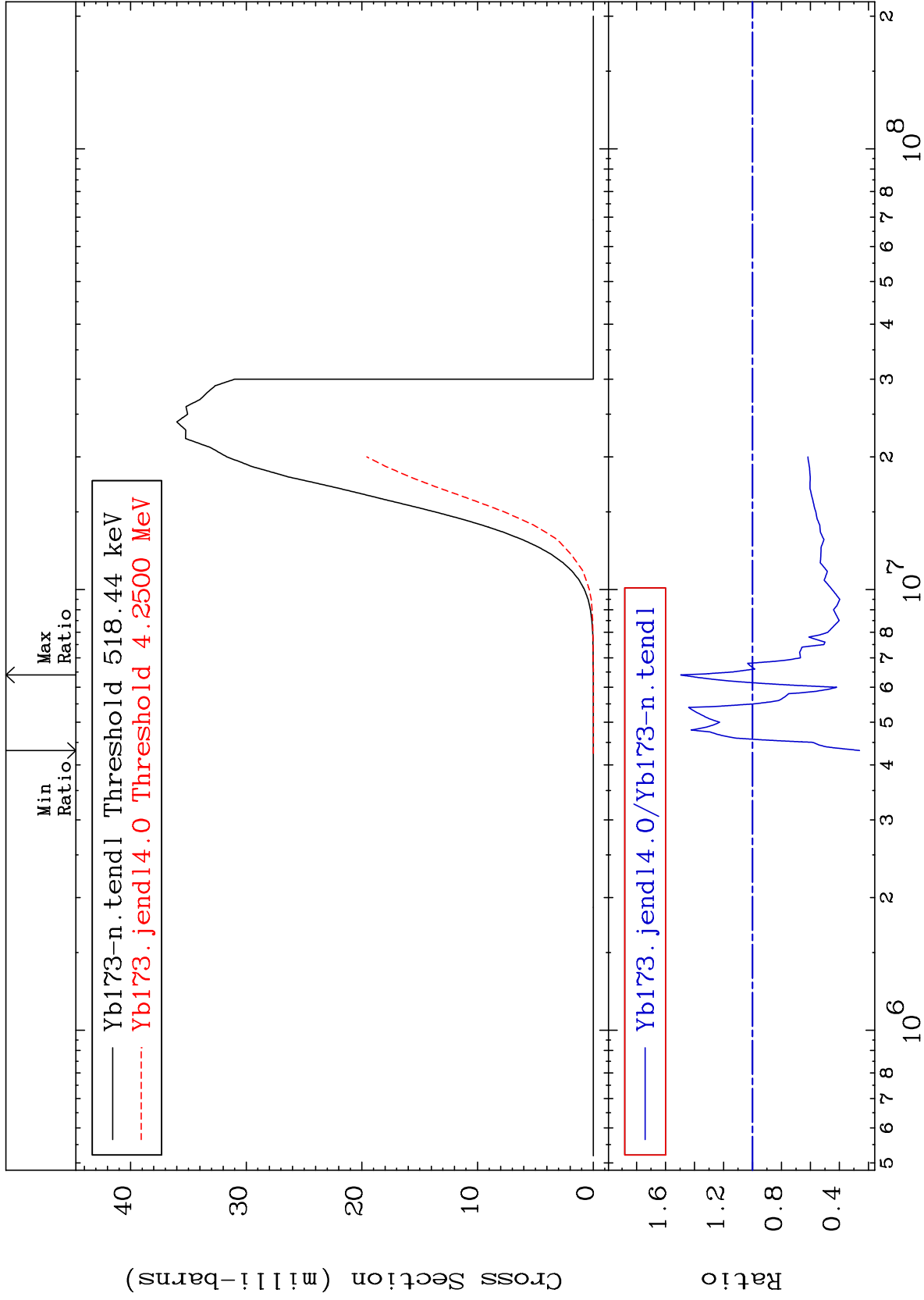
MAT 7040

(n, p)

70-Yb-173

Cross Section

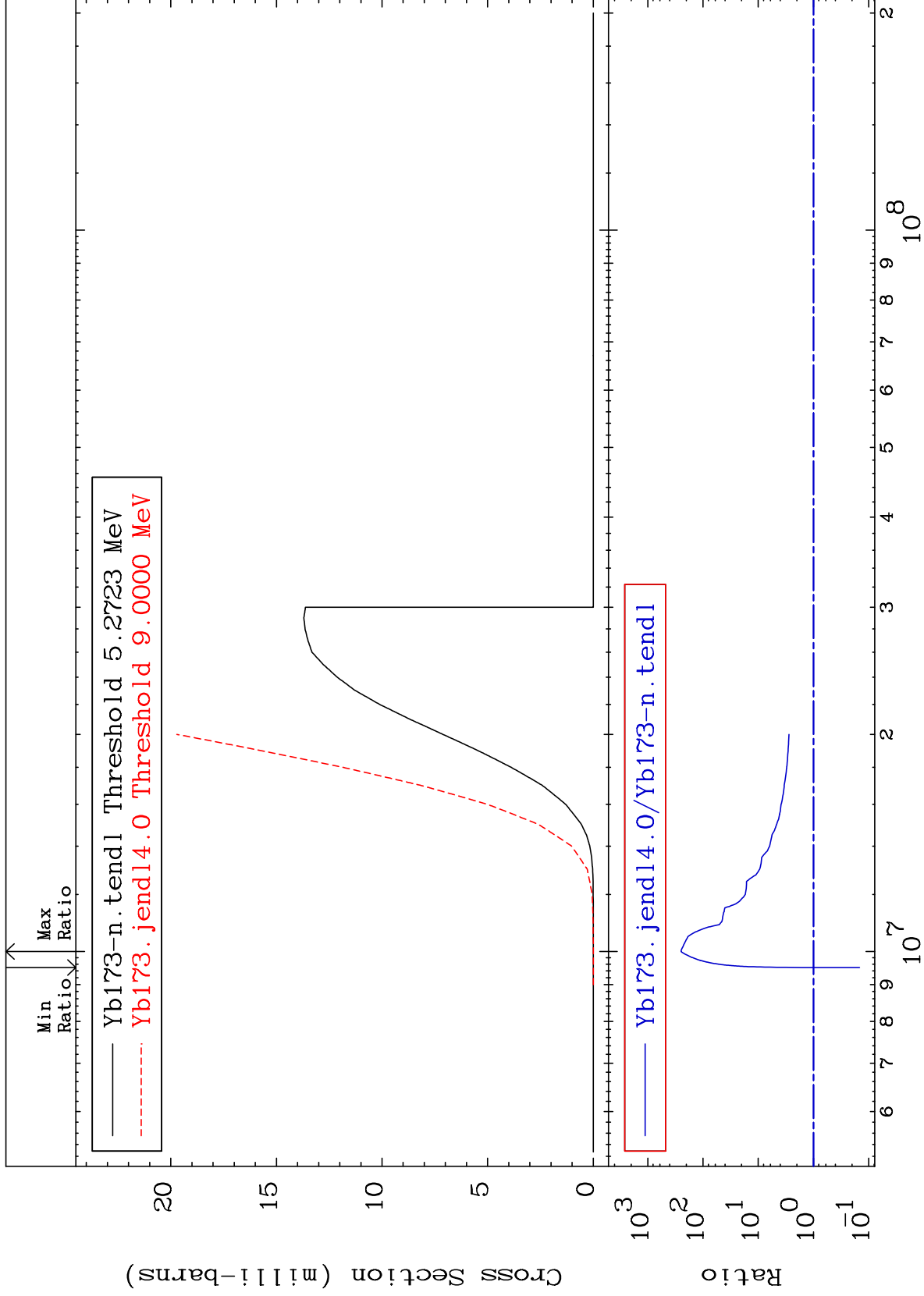
-73.86 To 49.50 %



MAT 7040

(n, d)  
Cross Section

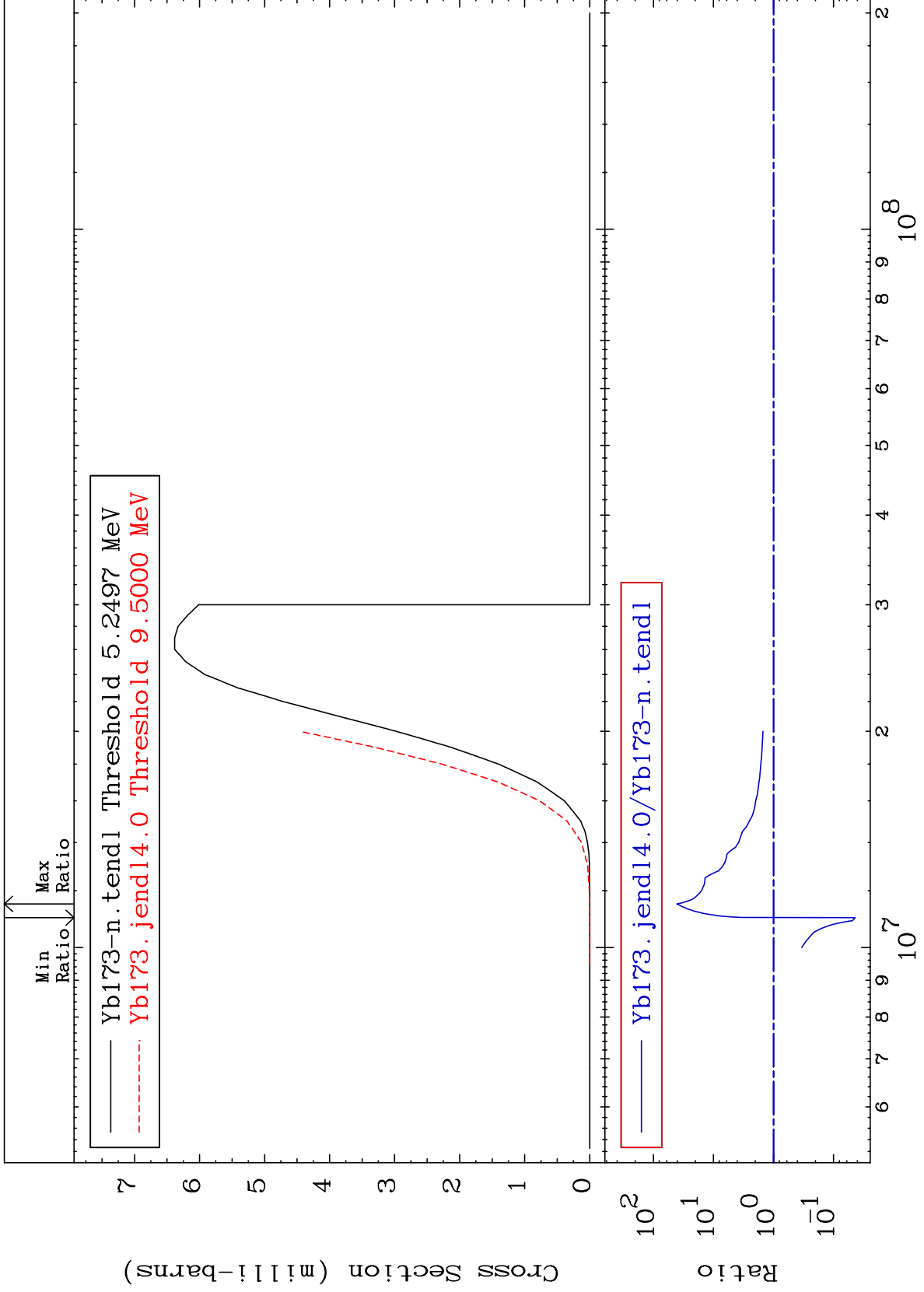
<sup>70</sup>Yb-173  
-85.35 To 9999. %



MAT 7040

(n, t)  
Cross Section

70-Yb-173  
-95.62 To 3949. %

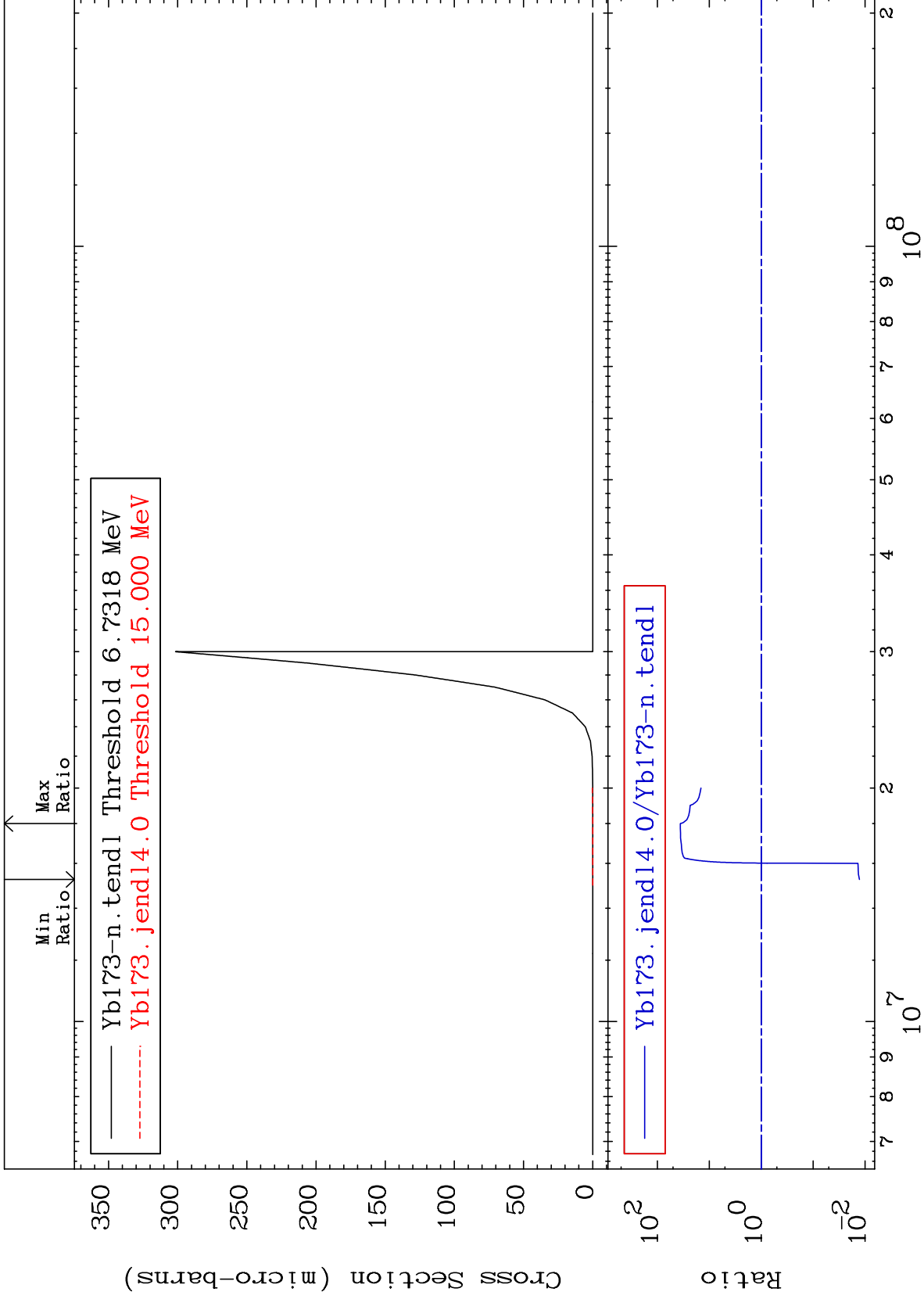


MAT 7040

(n, He-3)

70-Yb-173  
-98.72 To 3506. %

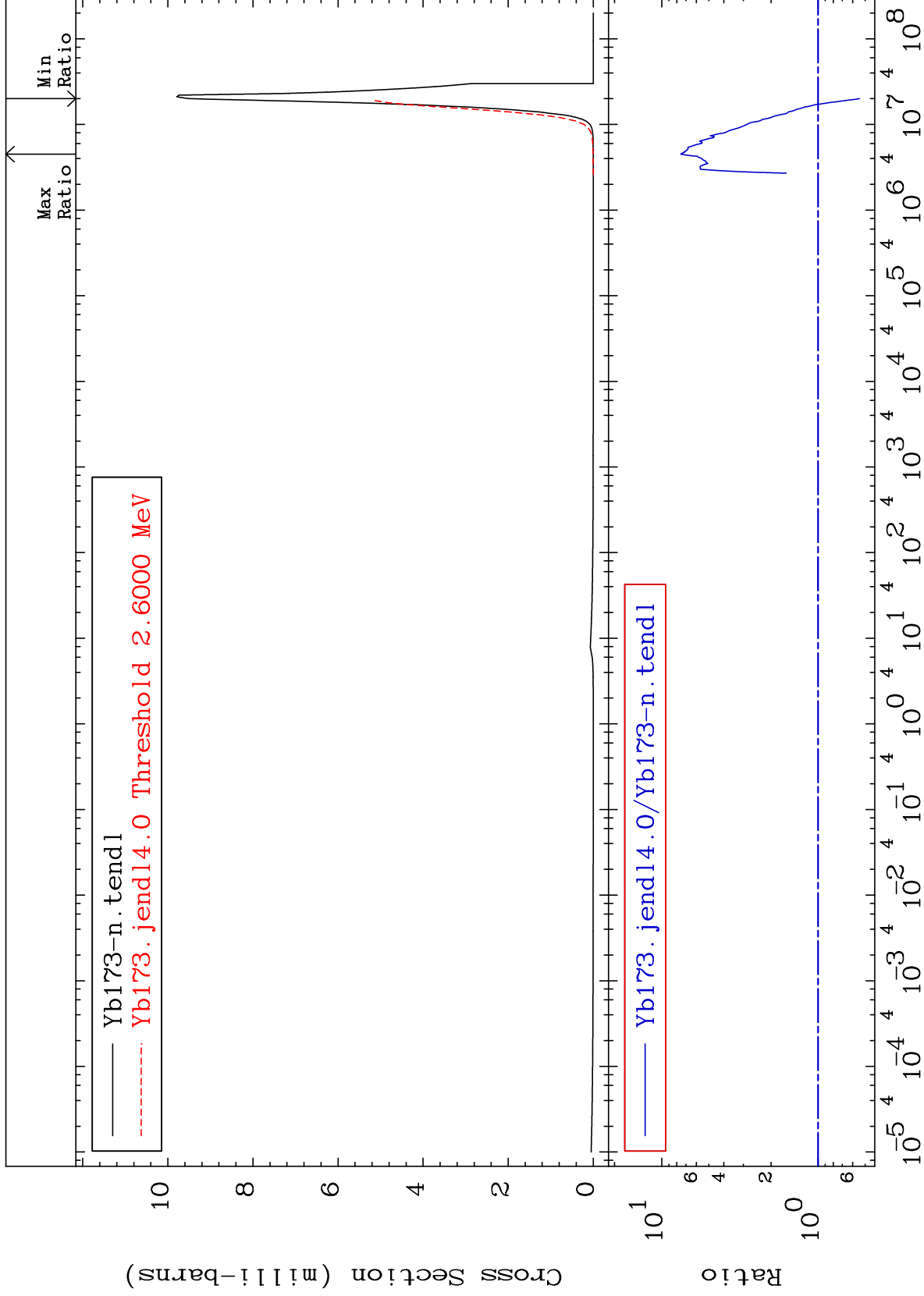
Cross Section



MAT 7040

(n,  $\alpha$ )  
Cross Section

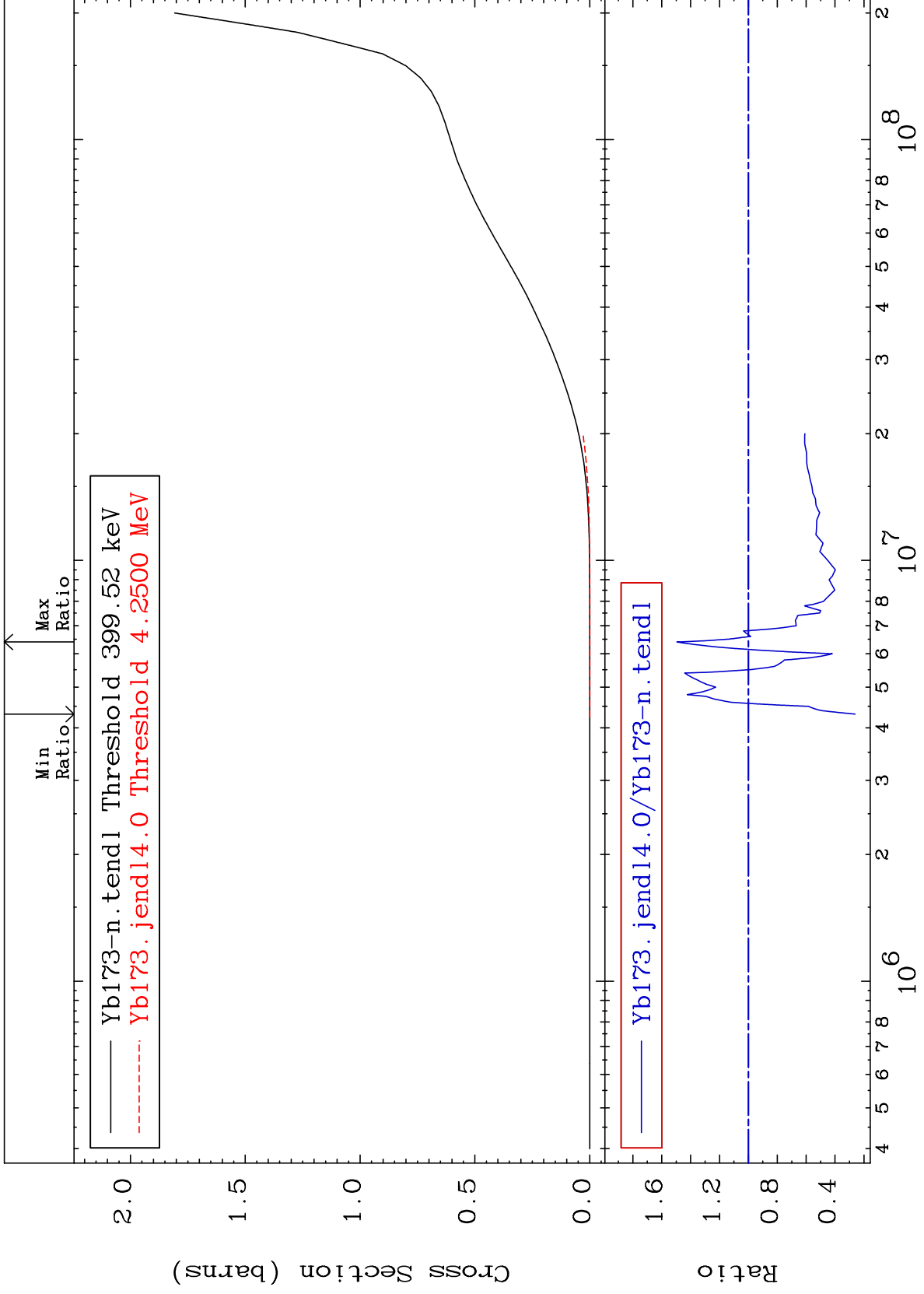
70-Yb-173  
-45.70 To 655.0 %



MAT 7040

Hydrogen Production  
Cross Section

70-Yb-173  
-73.86 To 49.50 %



30

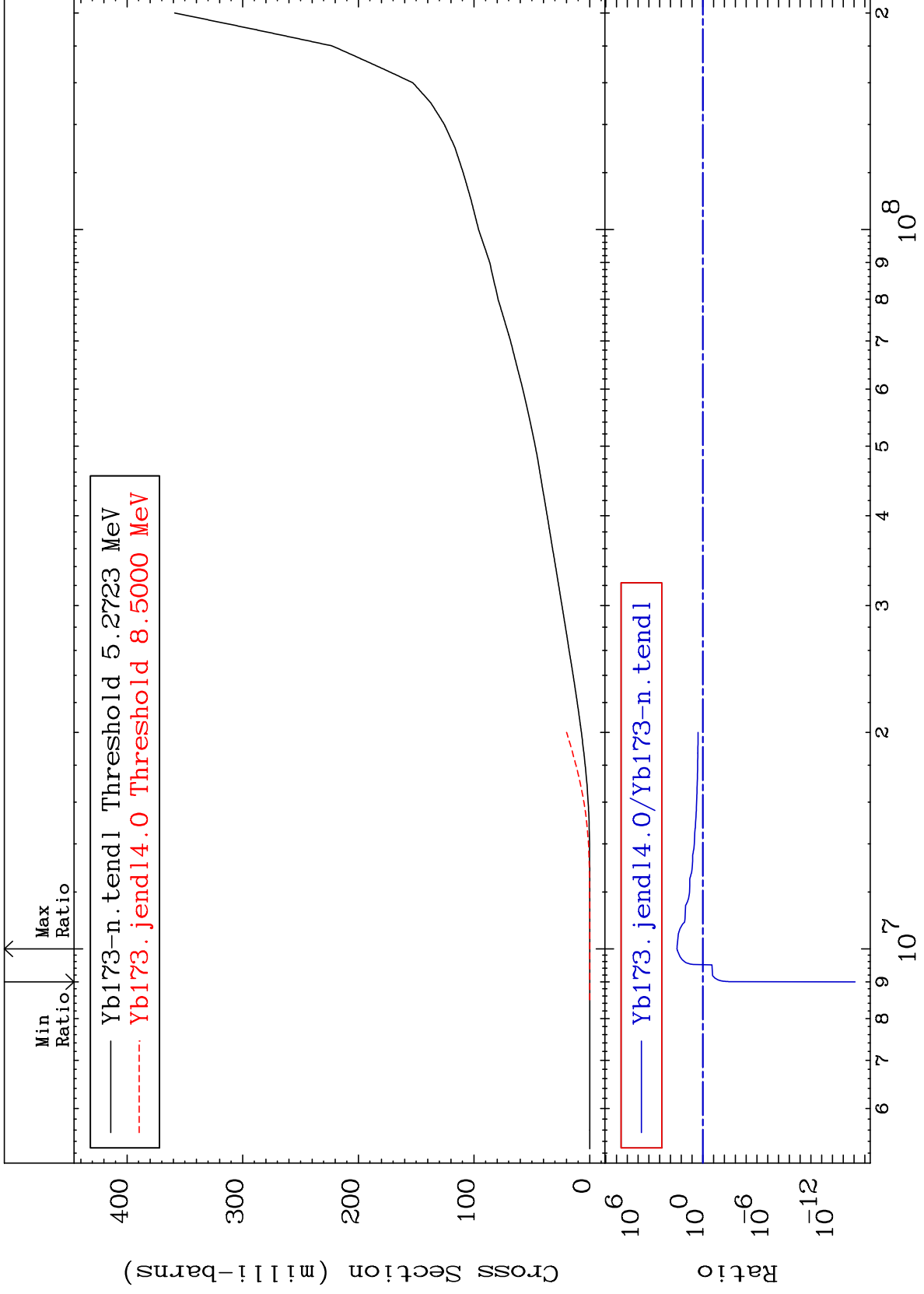
Incident Energy (eV)

70-Yb-173

MAT 7040

Deuterium Production  
Cross Section

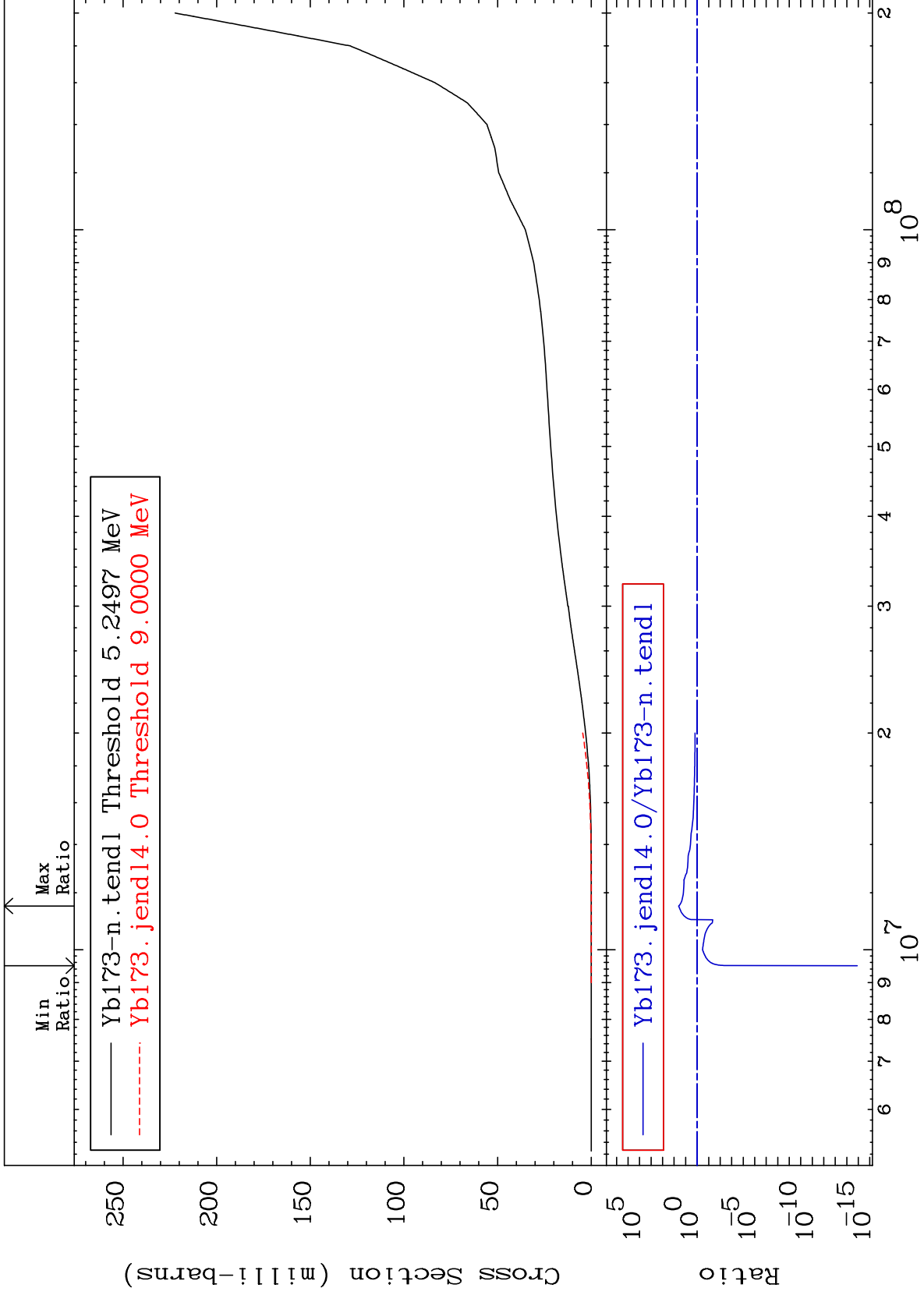
<sup>70</sup>Yb-173  
-100.0 To 9999. %



MAT 7040

Tritium Production  
Cross Section

<sup>70</sup>Yb-173  
-100.0 To 3949. %

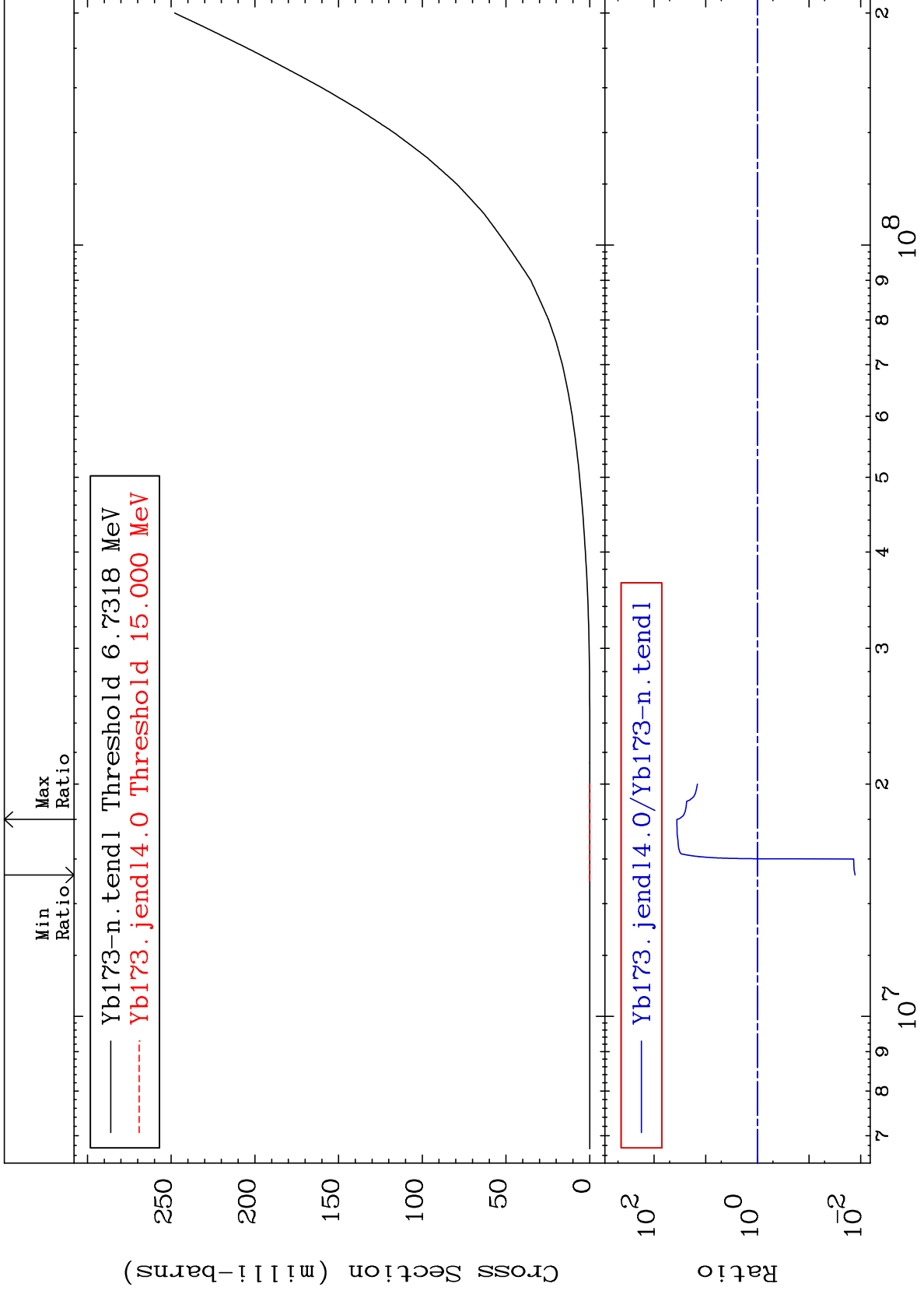




MAT 7040

He-3 Production  
Cross Section

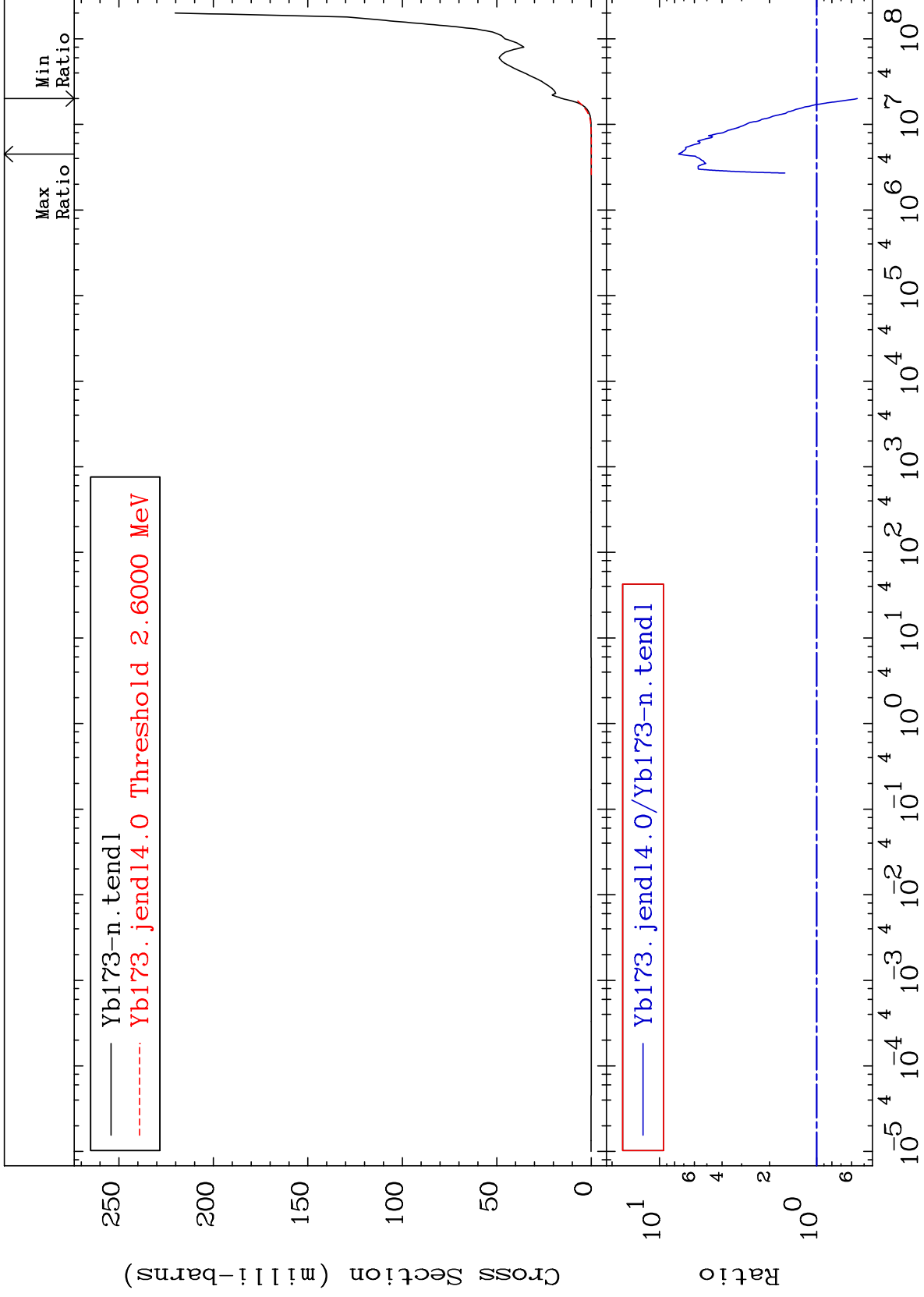
<sup>70</sup>Yb-173  
-98.72 To 3506. %



MAT 7040

He-4 Production  
Cross Section

70-Yb-173  
-44.75 To 655.0 %



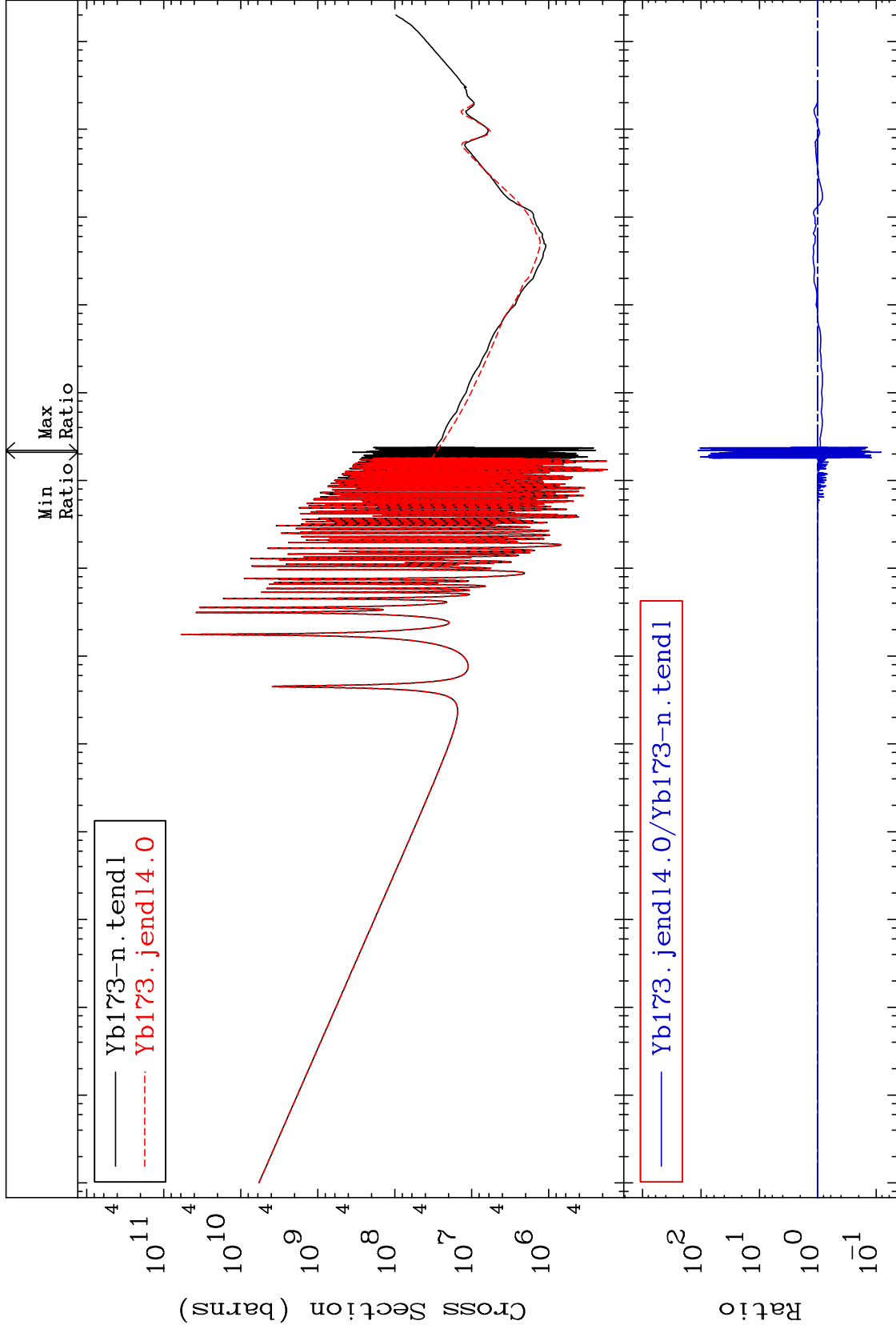
MAT 7040

Kerma total (eV-barns)

70-Yb-173

Cross Section

-91.75 To 9999. %



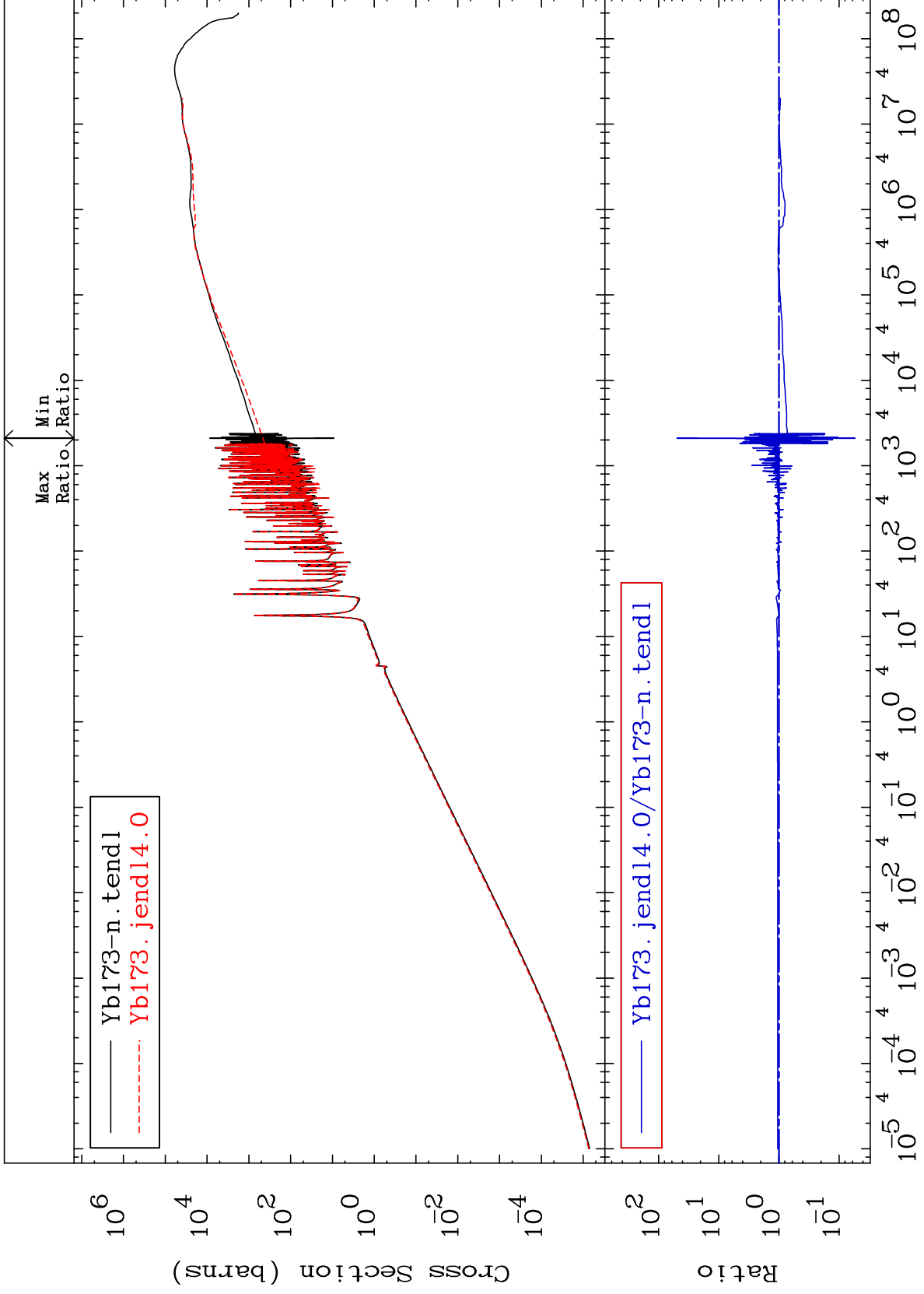
Incident Energy (eV)

70-Yb-173

MAT 7040

Kerma elastic  
Cross Section

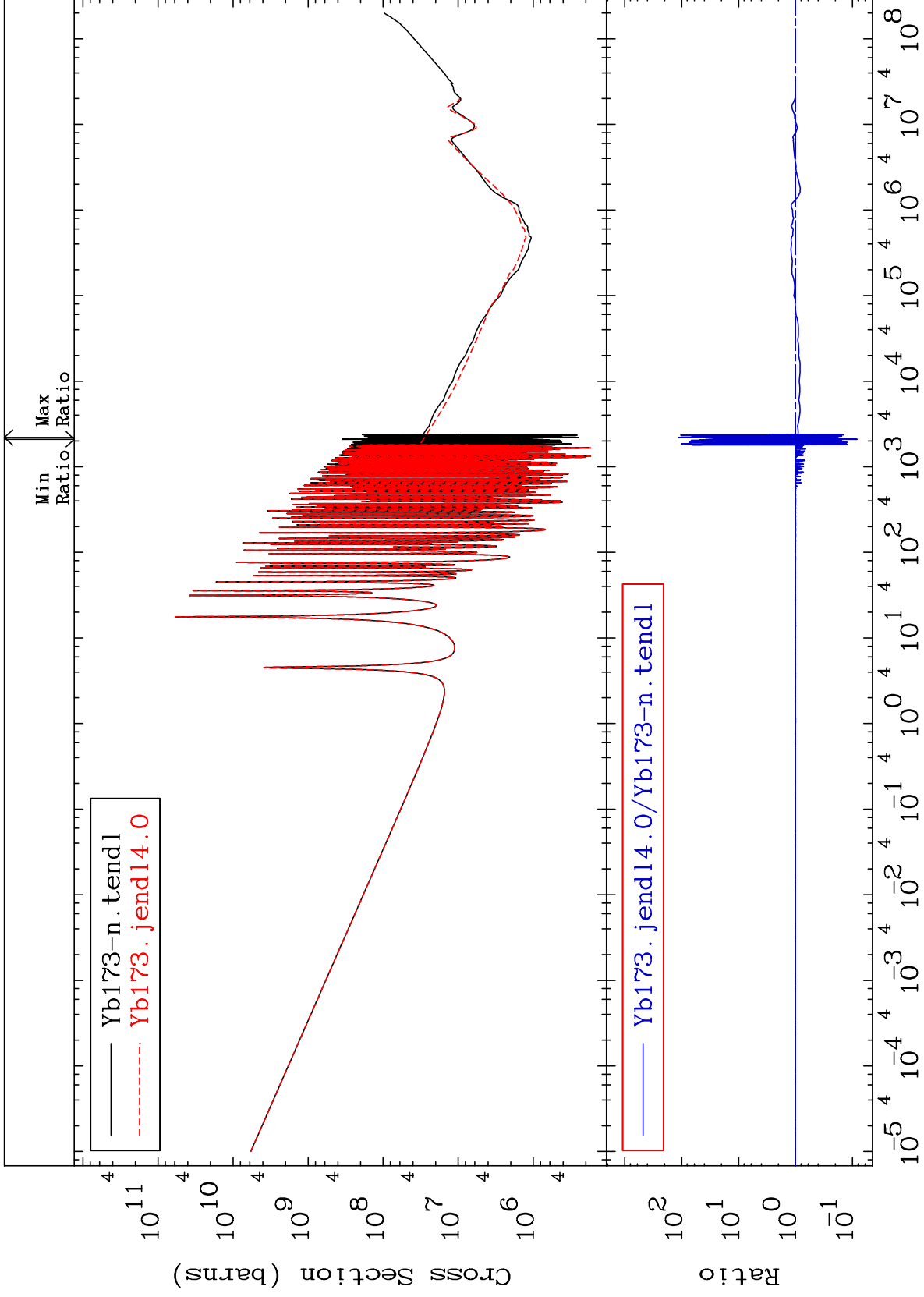
70-Yb-173  
-94.58 To 4851. %

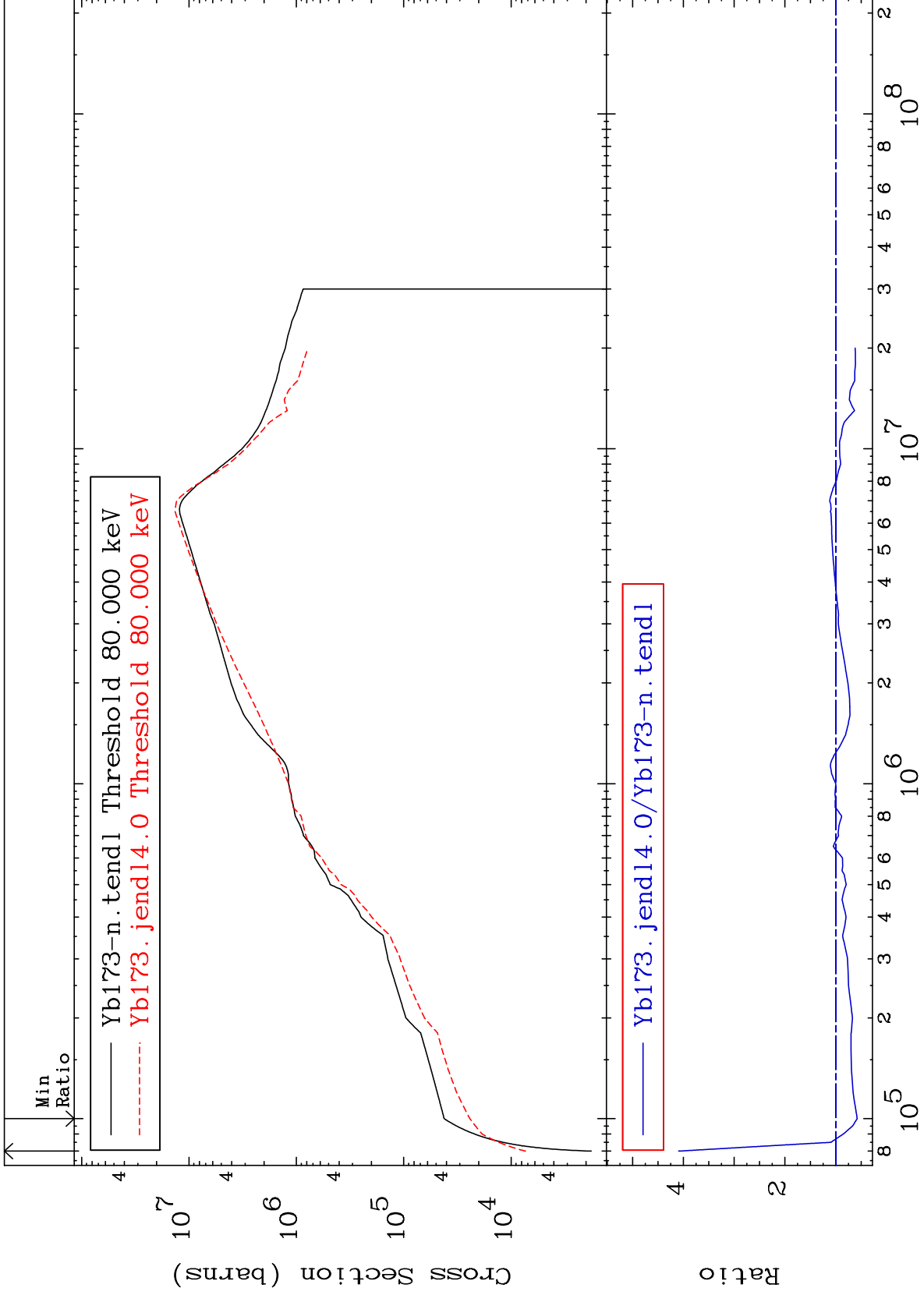


MAT 7040

Kerma non-elastic (all but mt2)  
Cross Section

70-Yb-173  
-91.75 To 9999. %

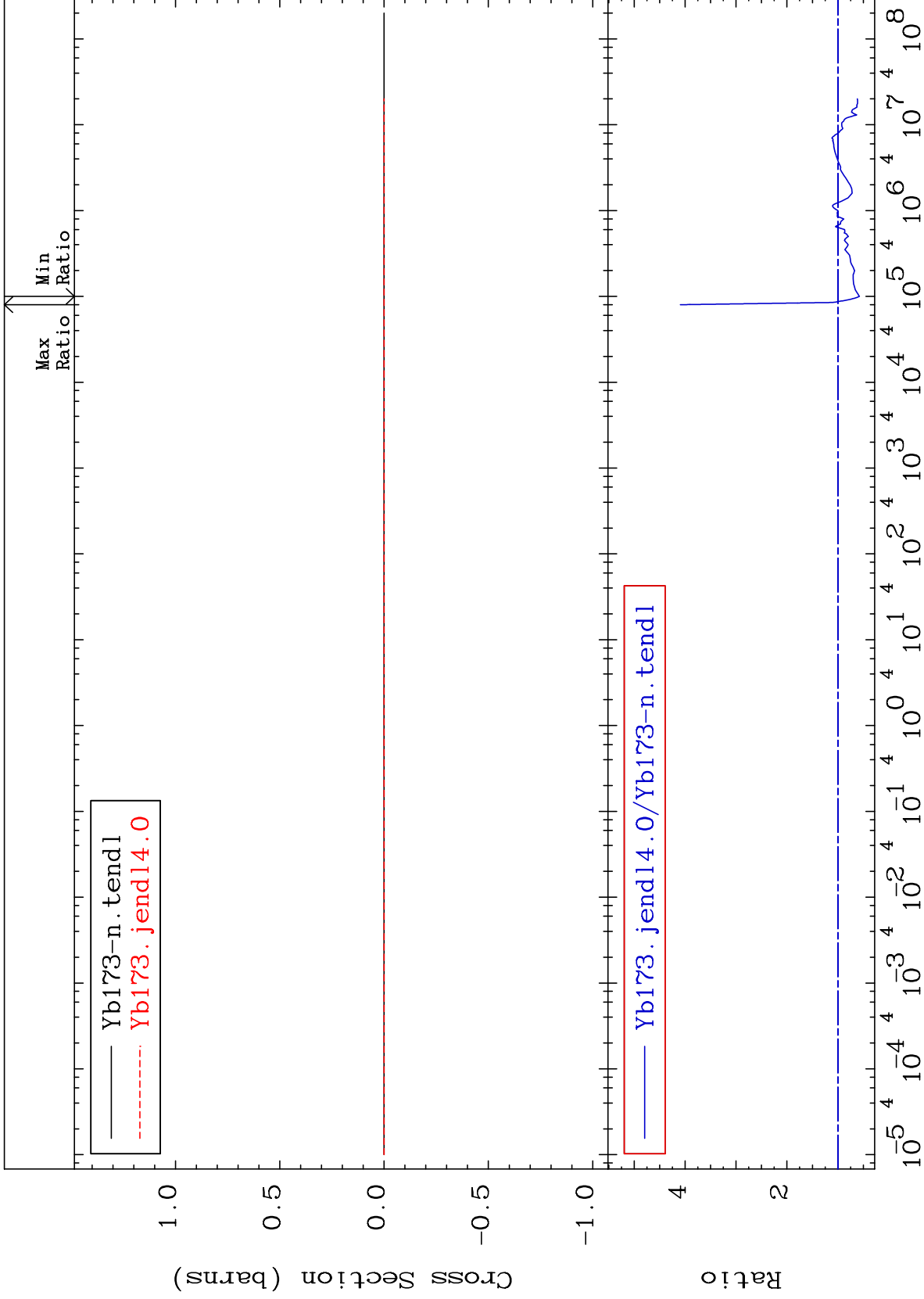




MAT 7040

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

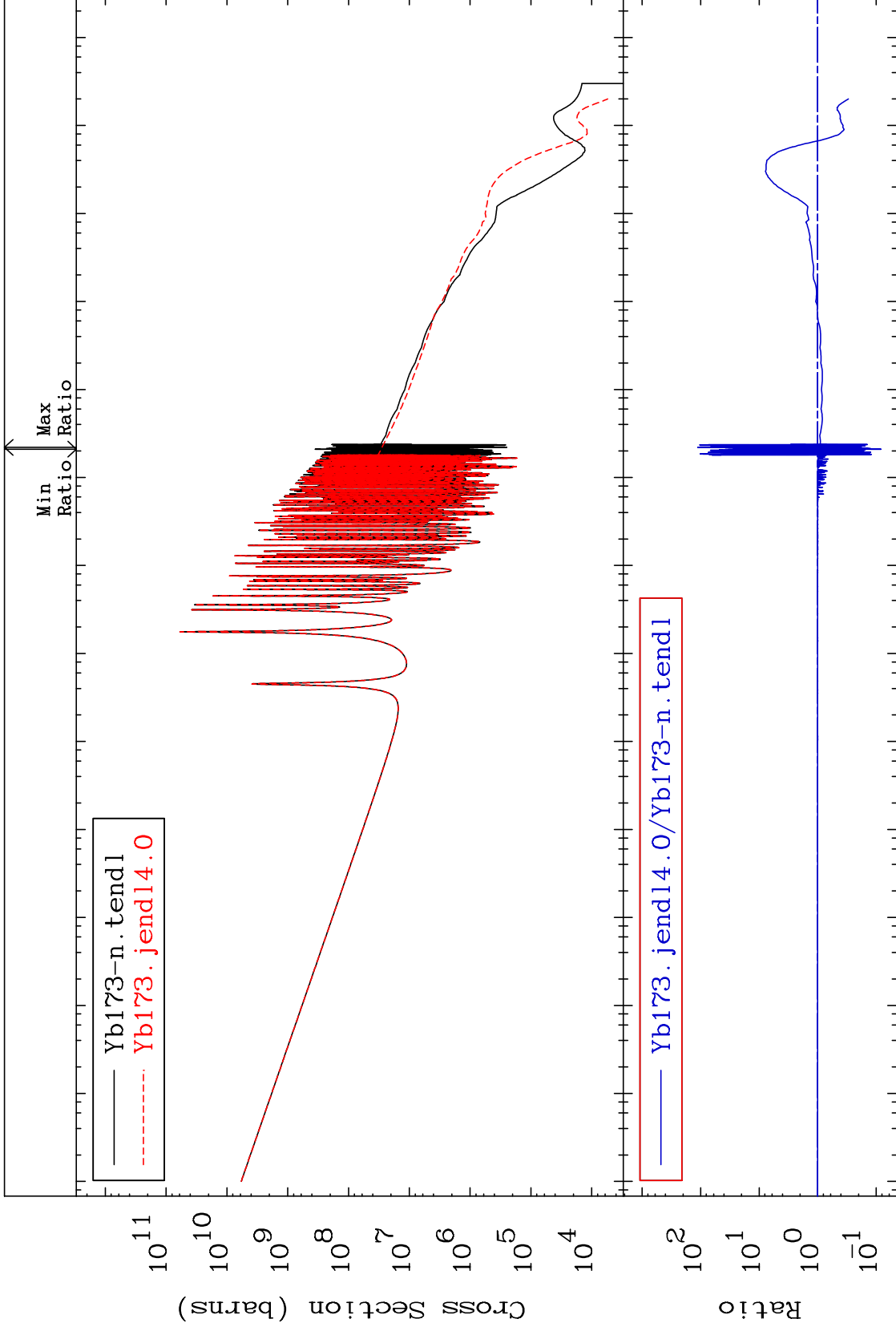
70-Yb-173  
-42.34 To 309.3 %



MAT 7040

Kerma capture (mt102)  
Cross Section

70-Yb-173  
-91.75 To 9999. %



40

Incident Energy (eV)

70-Yb-173

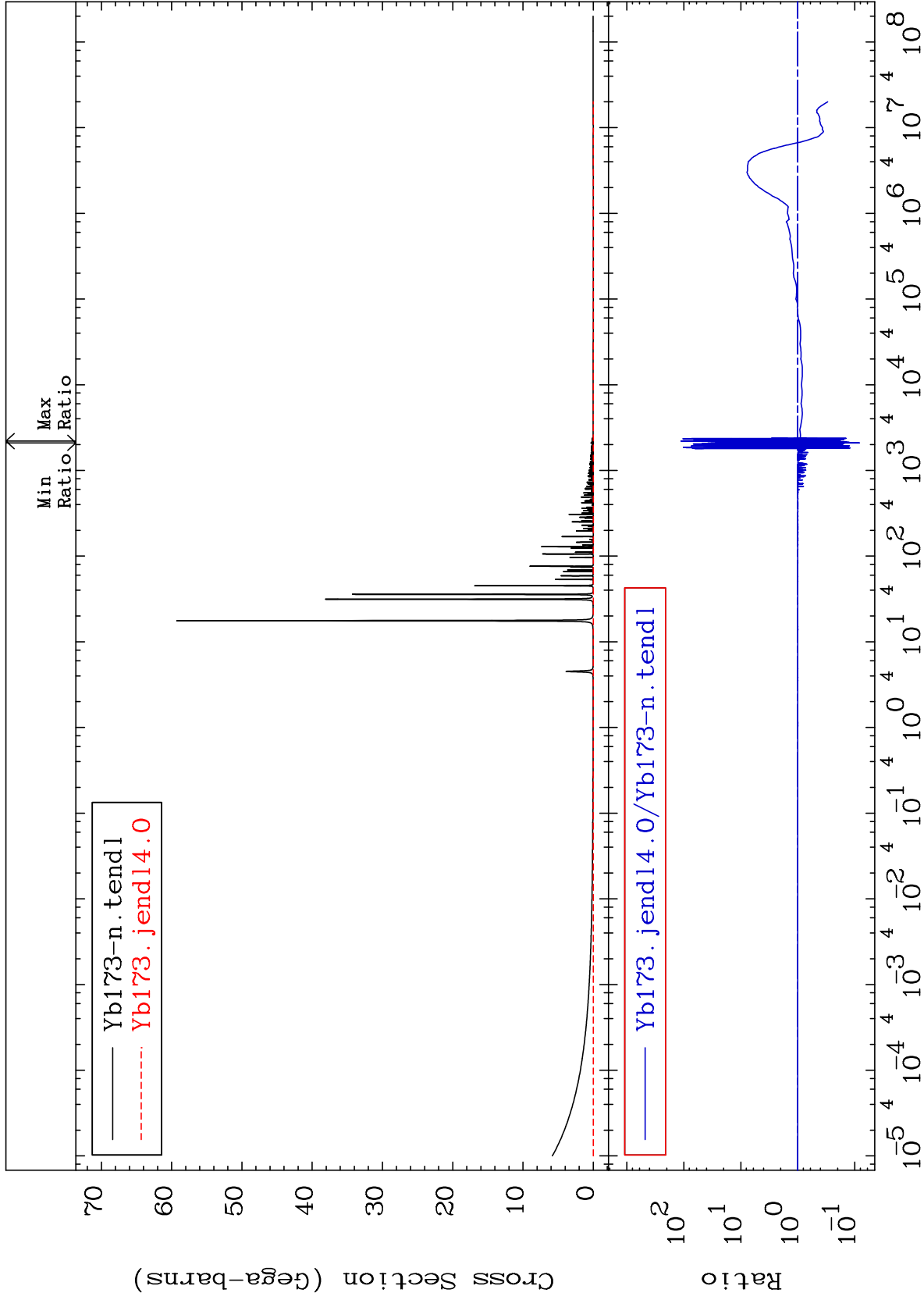


MAT 7040

Total photon (eV-barns)  
Cross Section

<sup>70</sup>Yb-173

-91.75 To 9999. %



41

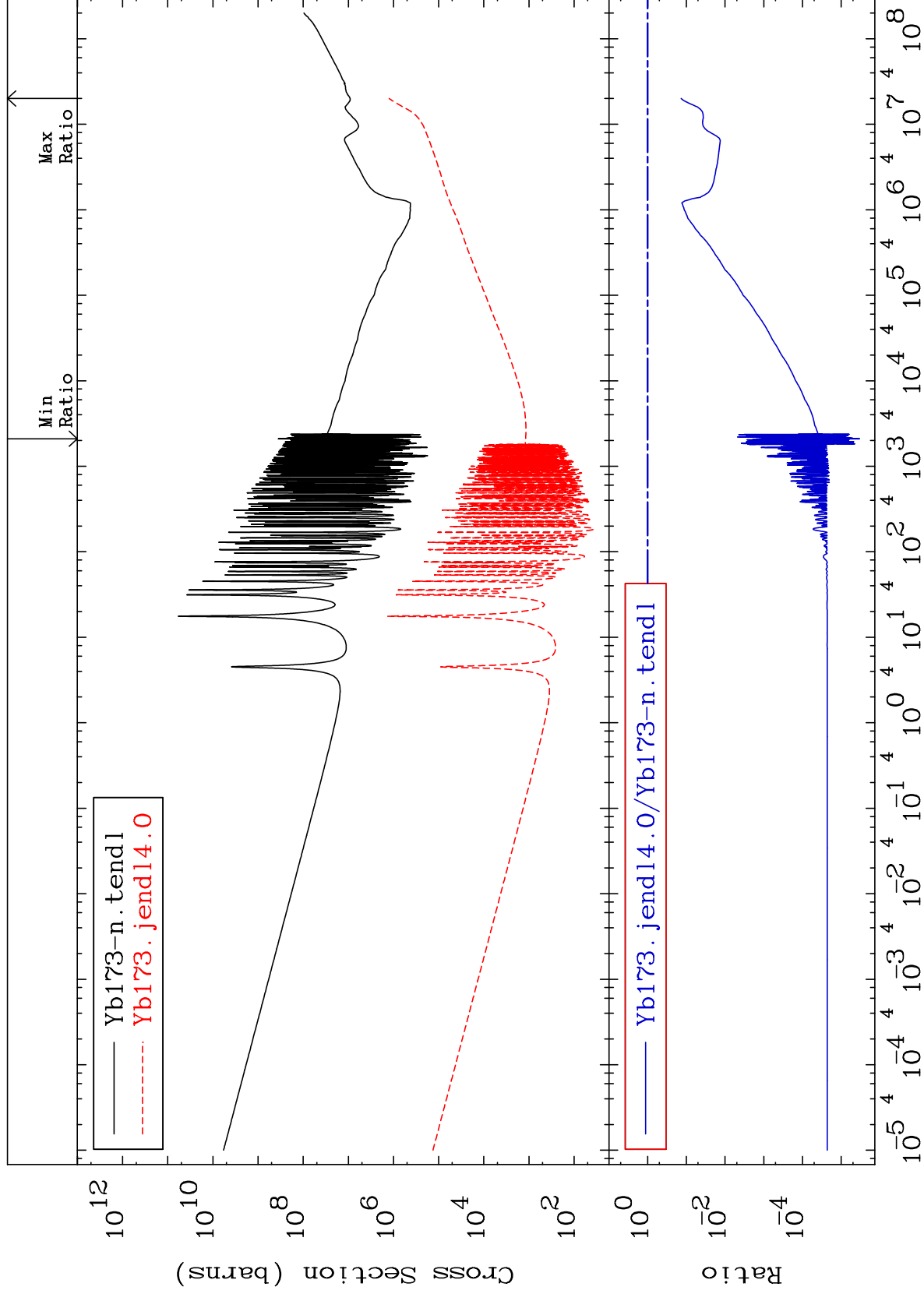
Incident Energy (eV)

<sup>70</sup>Yb-173

MAT 7040

Total kinematic kerma (high limit)  
Cross Section

70-Yb-173  
-100.0 To -86.40%



42

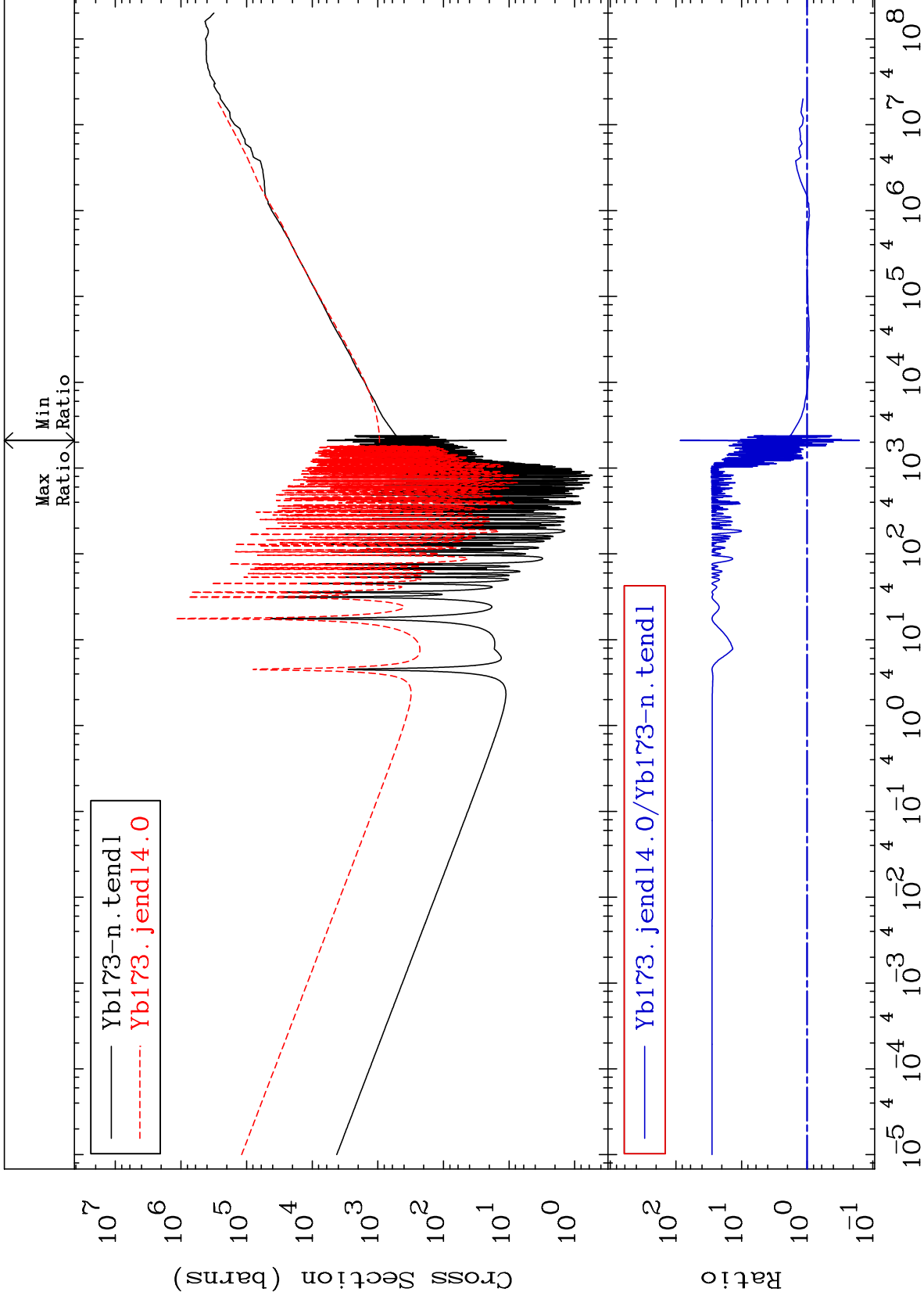
Incident Energy (eV)

70-Yb-173

MAT 7040

Dpa total (eV-barns)  
Cross Section

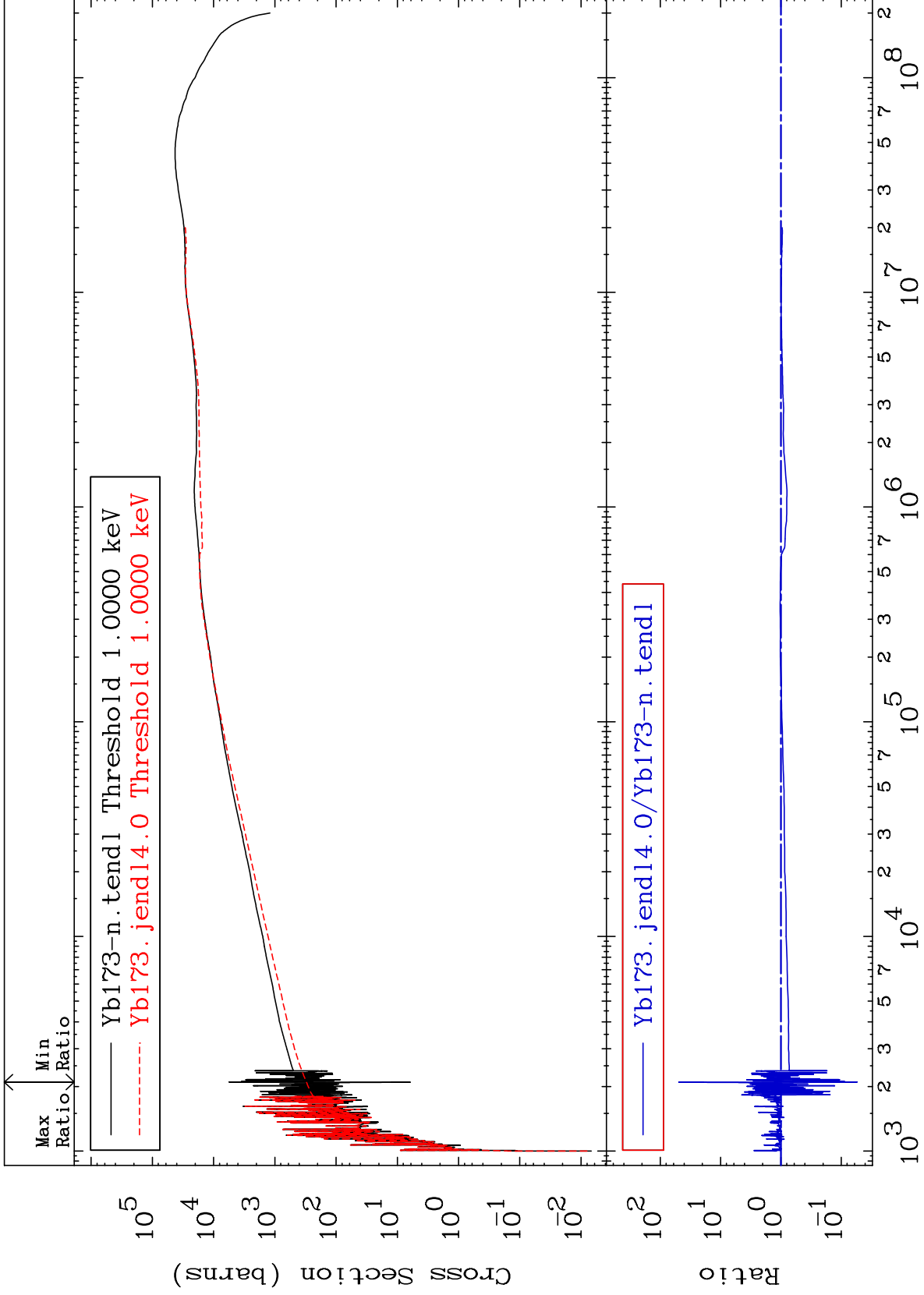
70-Yb-173  
-84.00 To 8451. %



MAT 7040

Dpa elastic (mt2)  
Cross Section

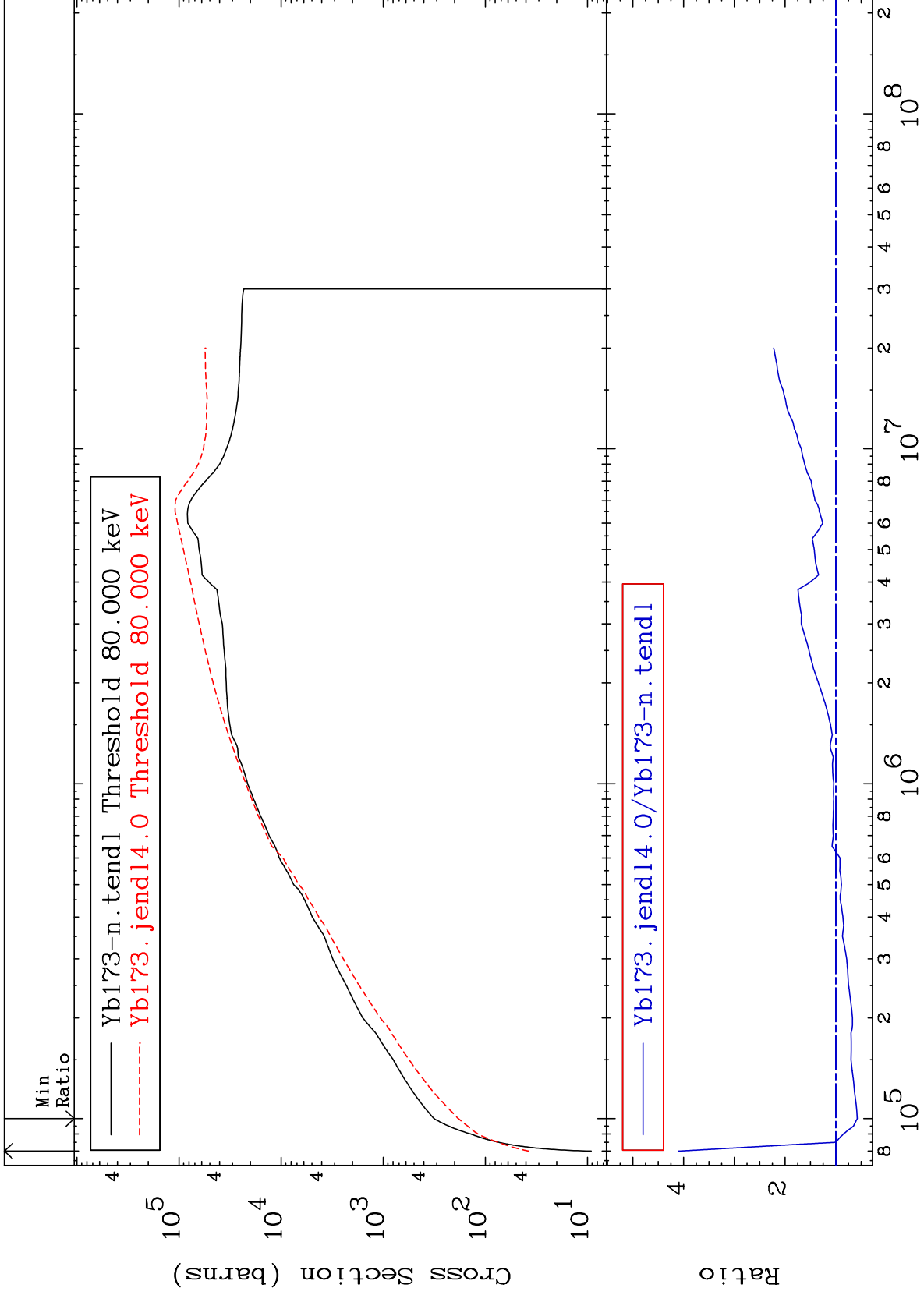
70-Yb-173  
-94.58 To 4851. %



MAT 7040

Dpa inelastic (mt51-91)  
Cross Section

70-Yb-173  
-42.16 To 309.8 %



45

Incident Energy (eV)

70-Yb-173

MAT 7040

Dpa disappearance (mt102 -120)  
Cross Section

70-Yb-173  
To 9999. %  
16.95

