

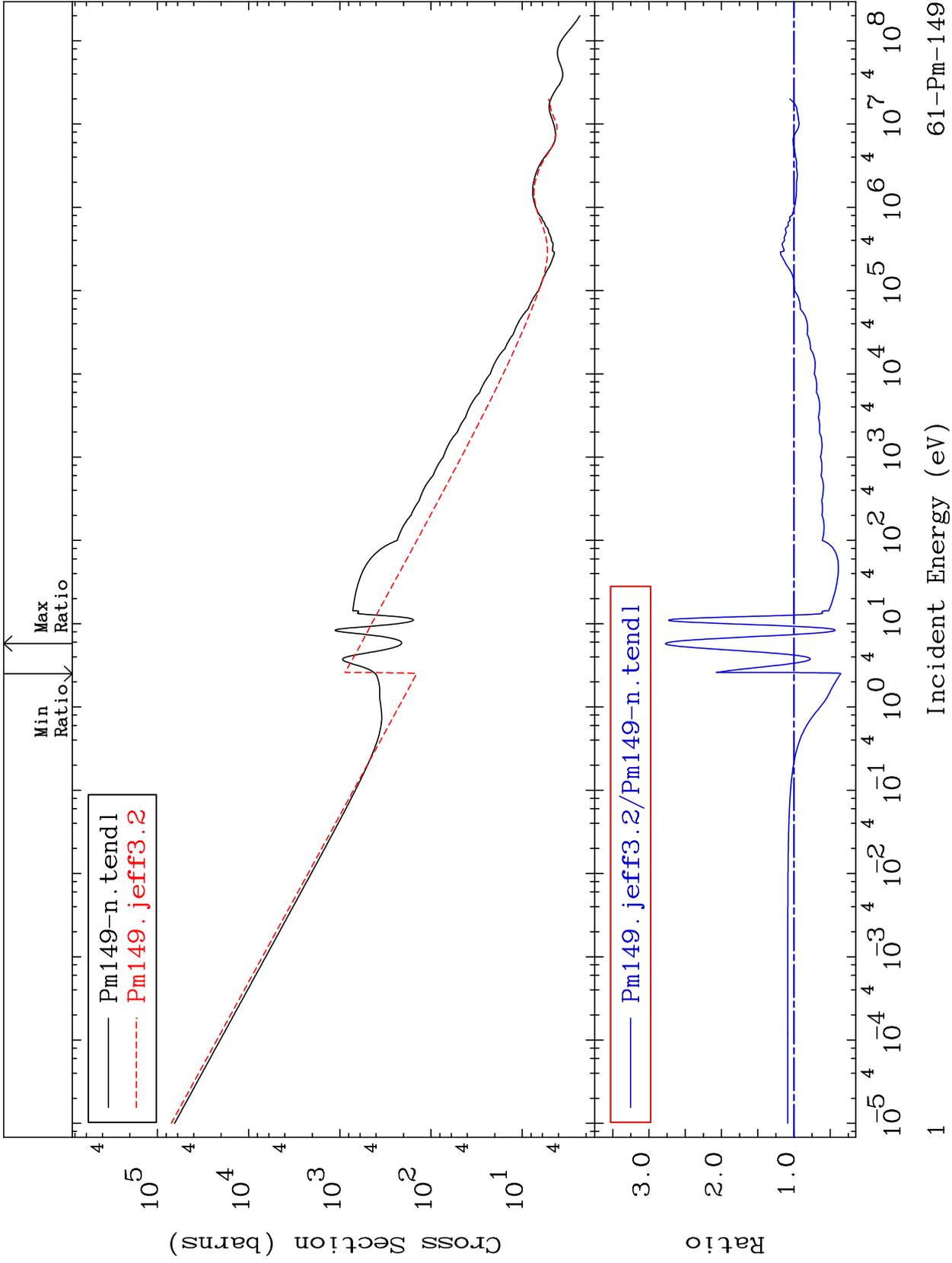
MAT 6155

Total

61-Pm-149

Cross Section

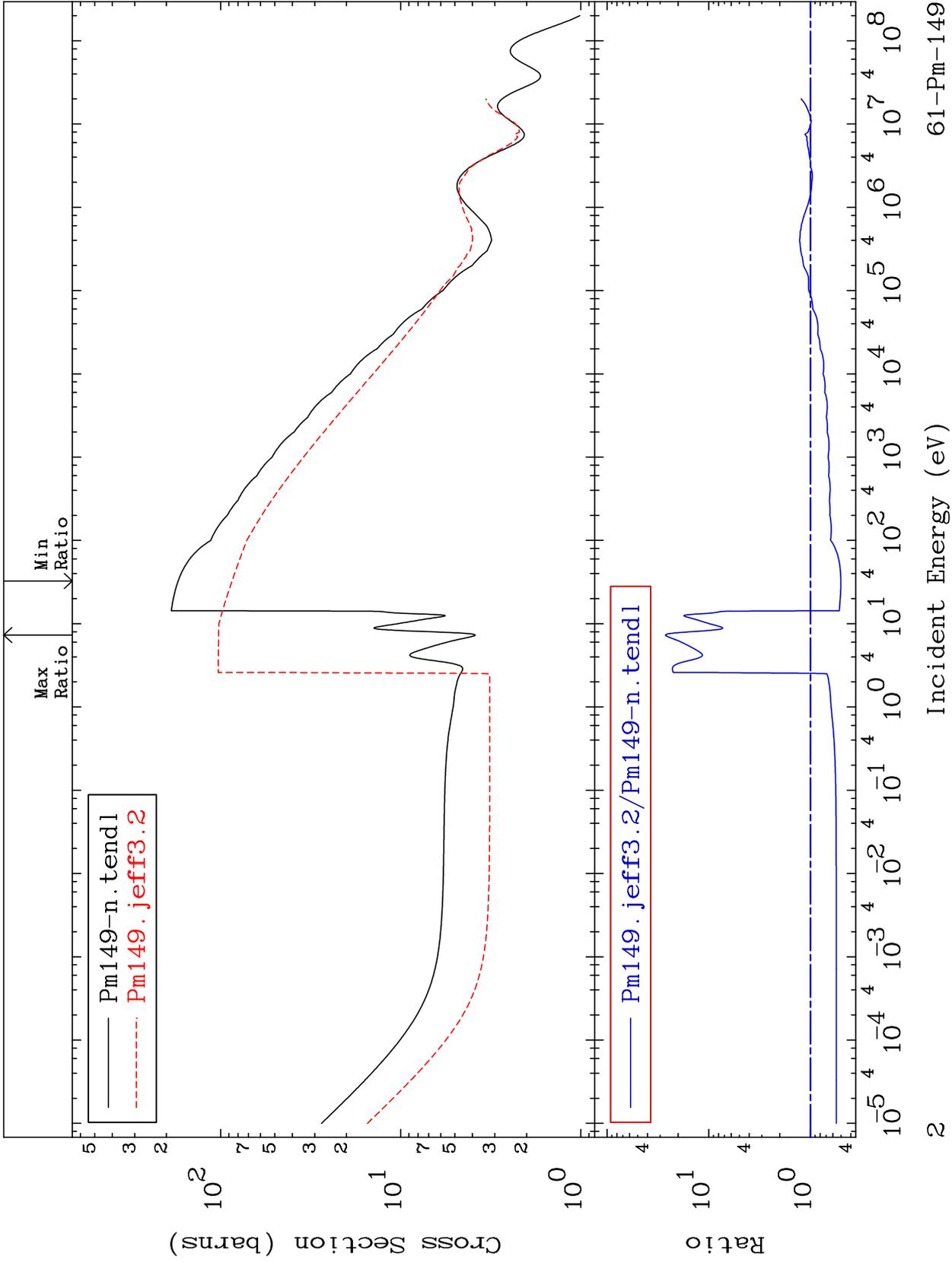
-64.58 To 177.2 %



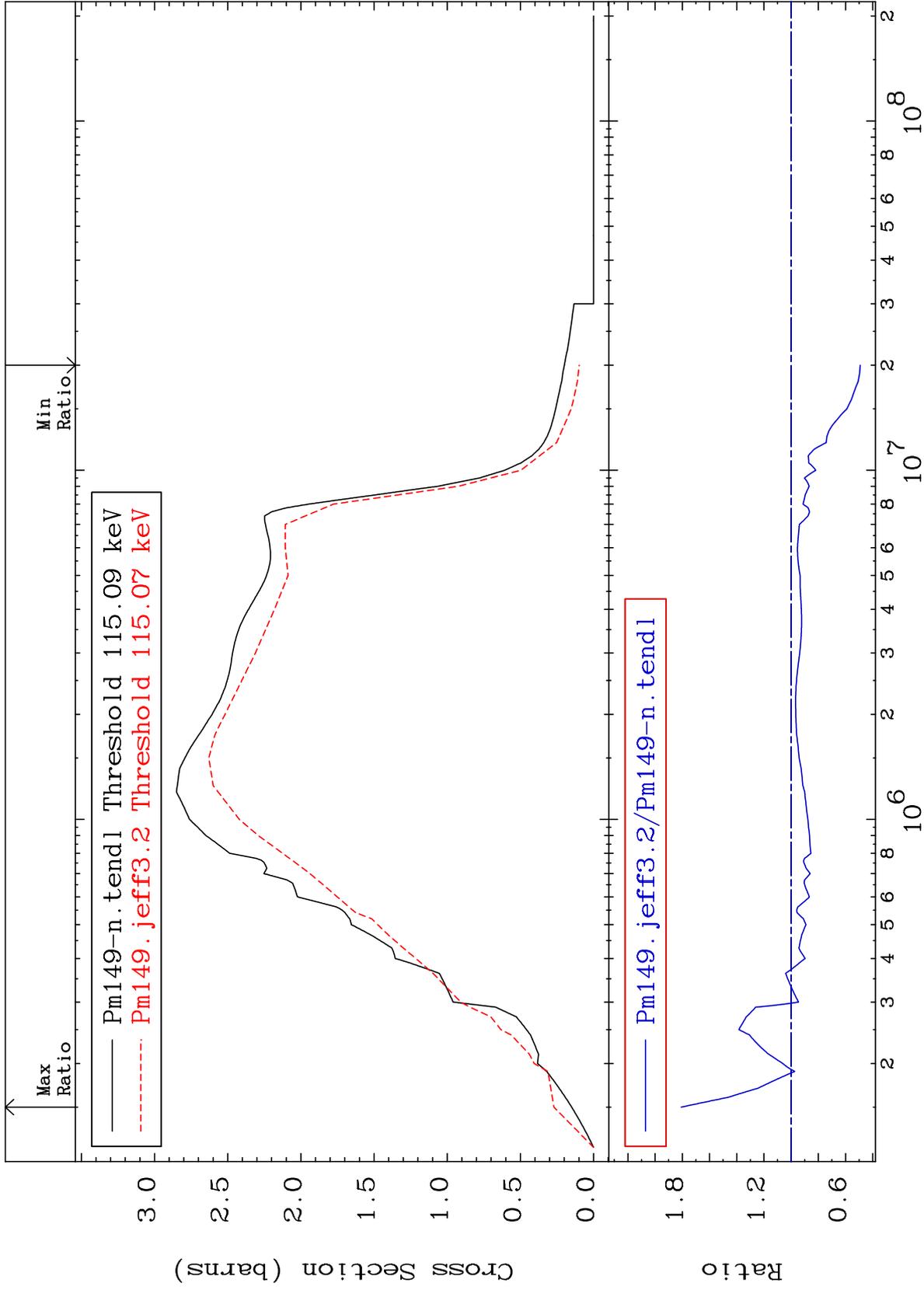
MAT 6155

61-Pm-149  
-49.82 To 2561. %

Elastic  
Cross Section



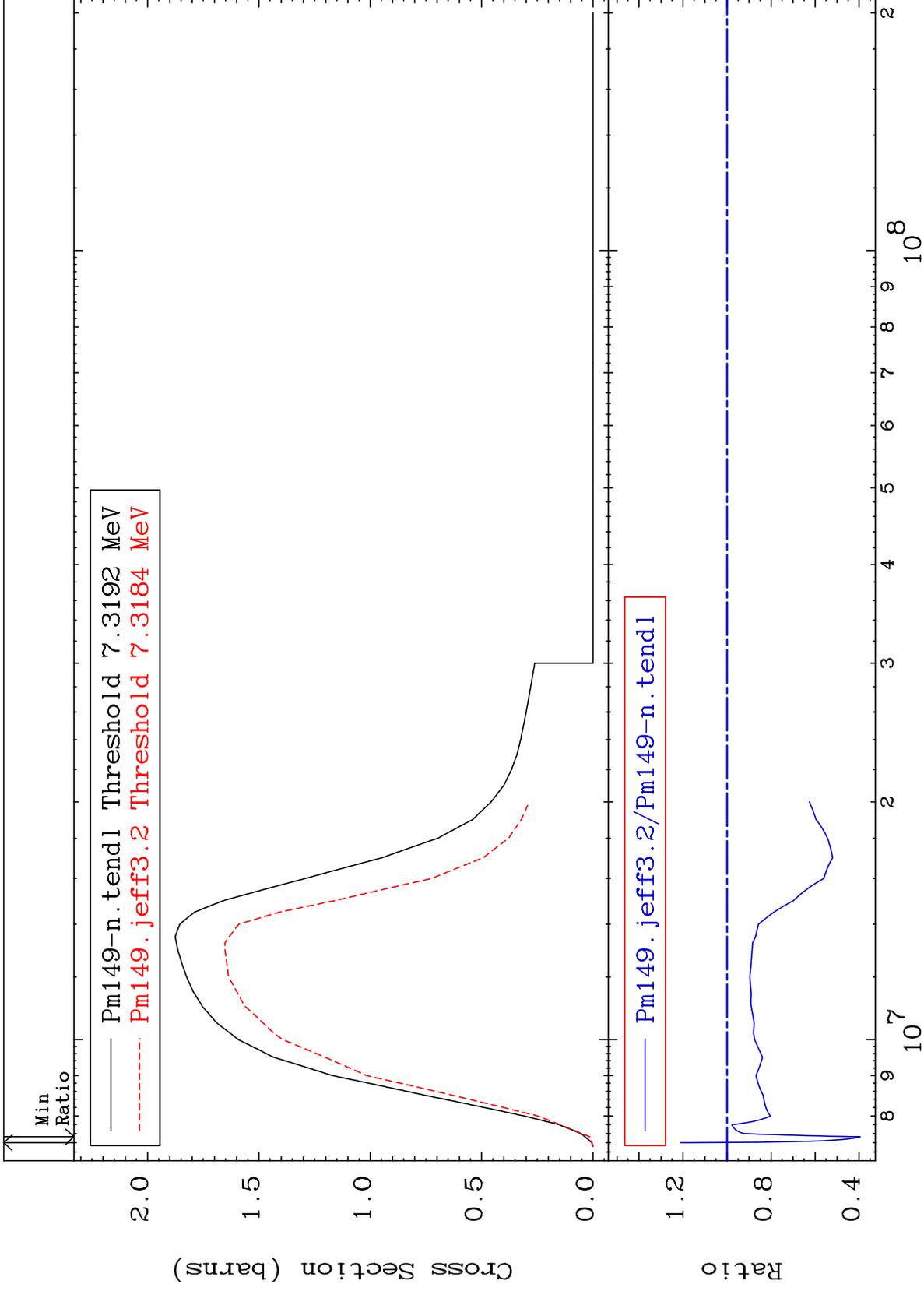
61-Pm-149



MAT 6155

(n,2n)  
Cross Section

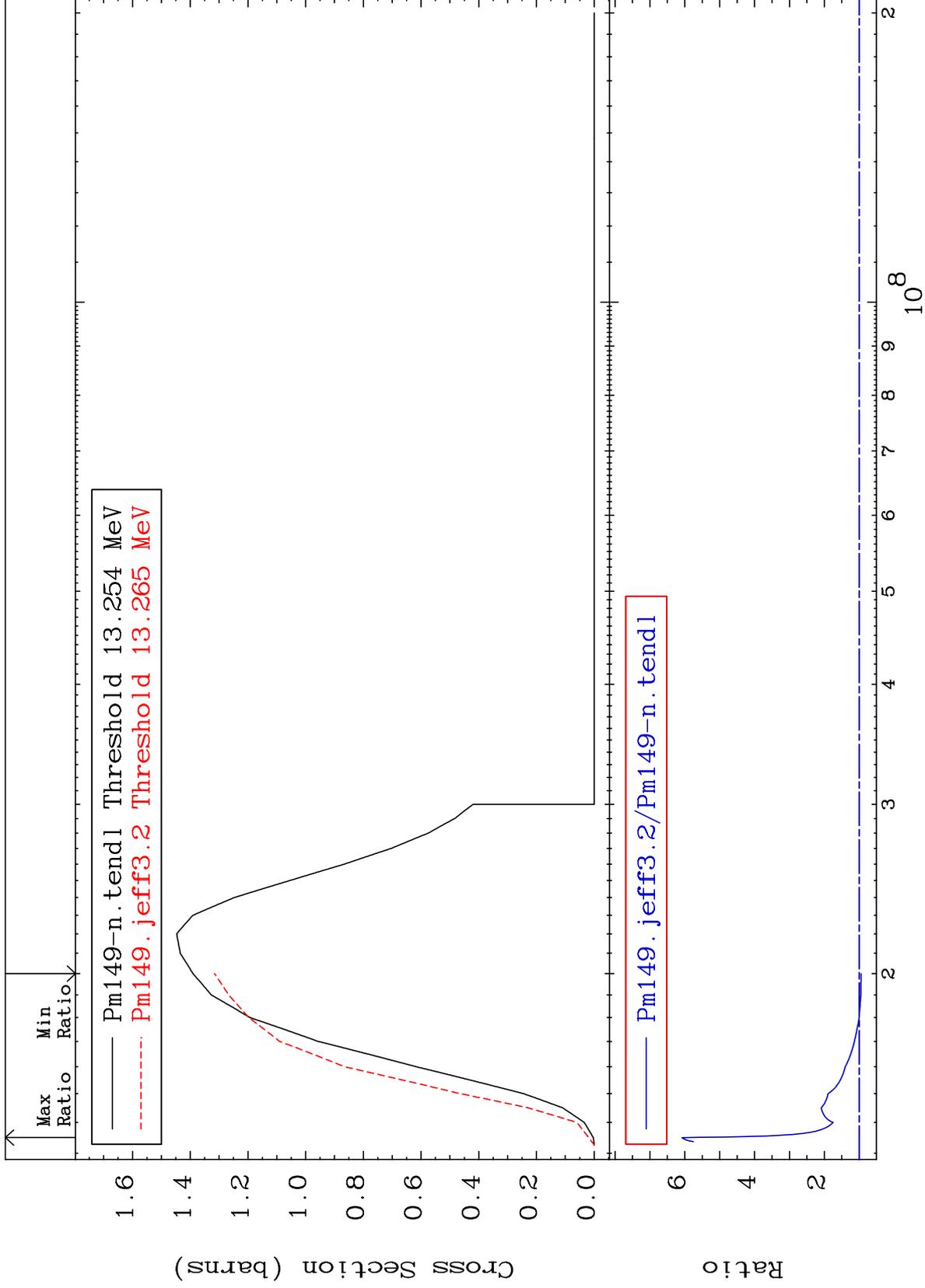
61-Pm-149  
-60.43 To 21.02 %



MAT 6155

(n,3n)  
Cross Section

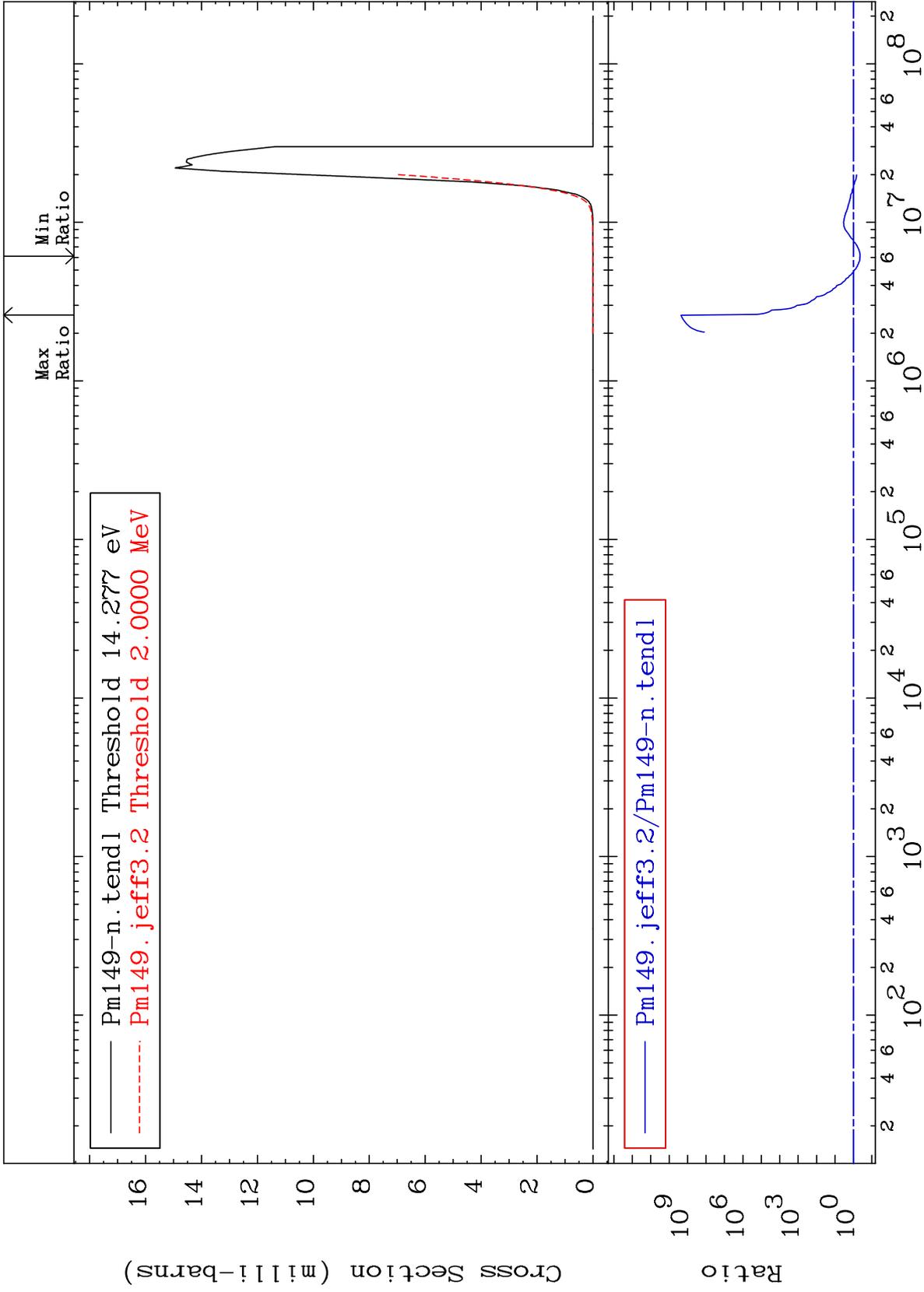
61-Pm-149  
-5.382 To 508.3 %



MAT 6155

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

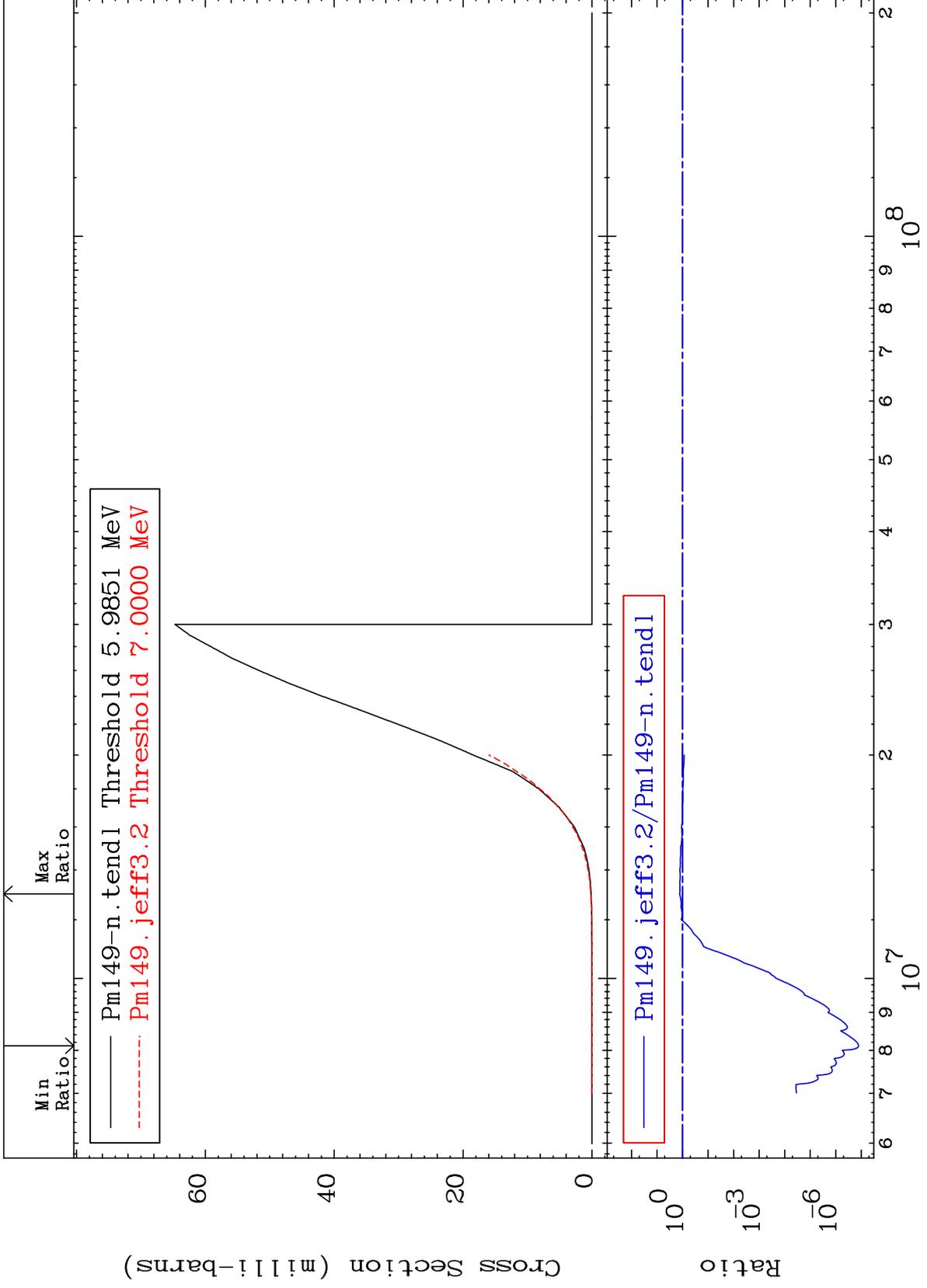
61-Pm-149  
-56.39 To 9999. %



MAT 6155

(n,n') p  
Cross Section

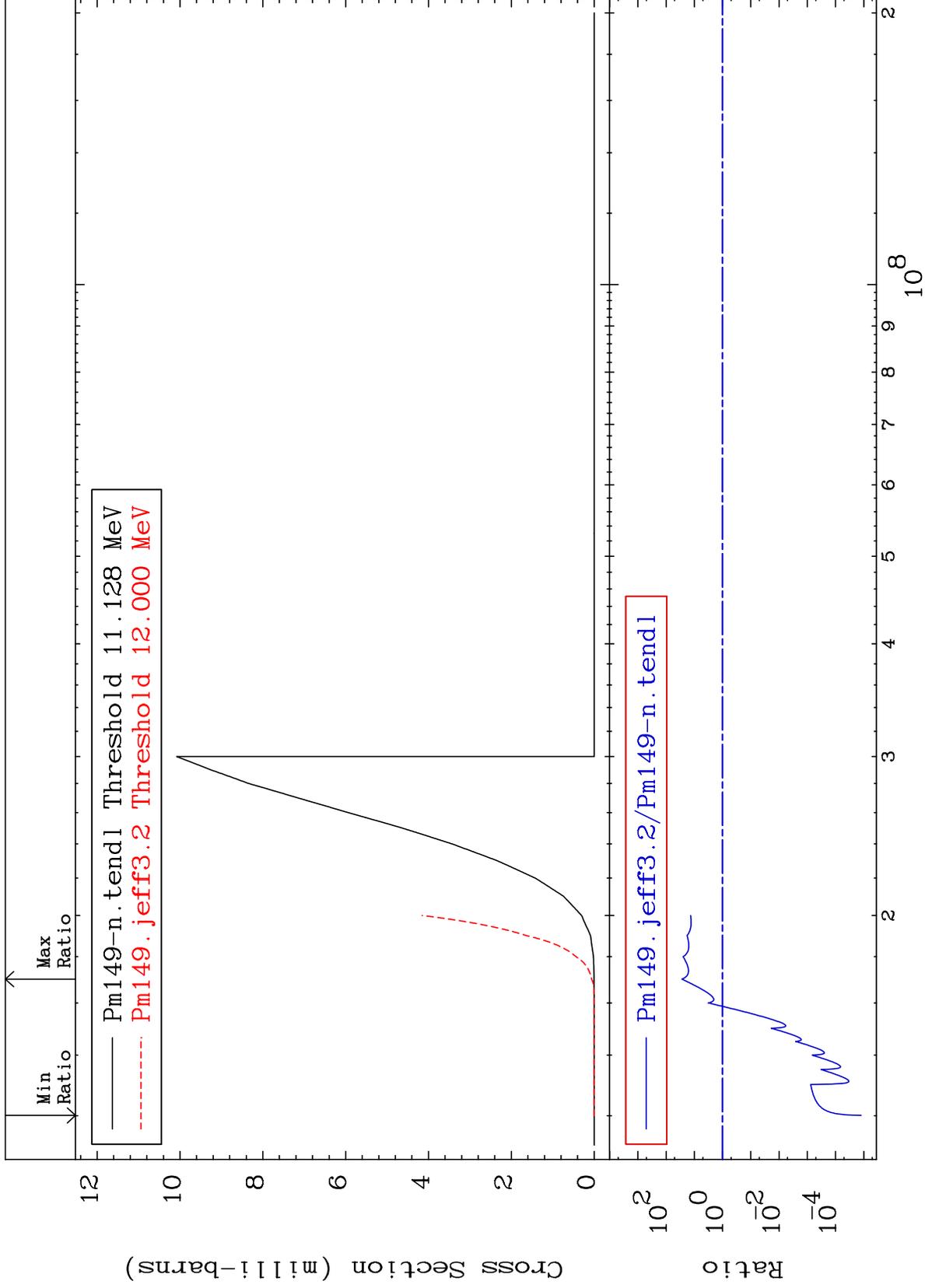
61-Pm-149  
-100.0 To 31.85 %



7

Incident Energy (eV)

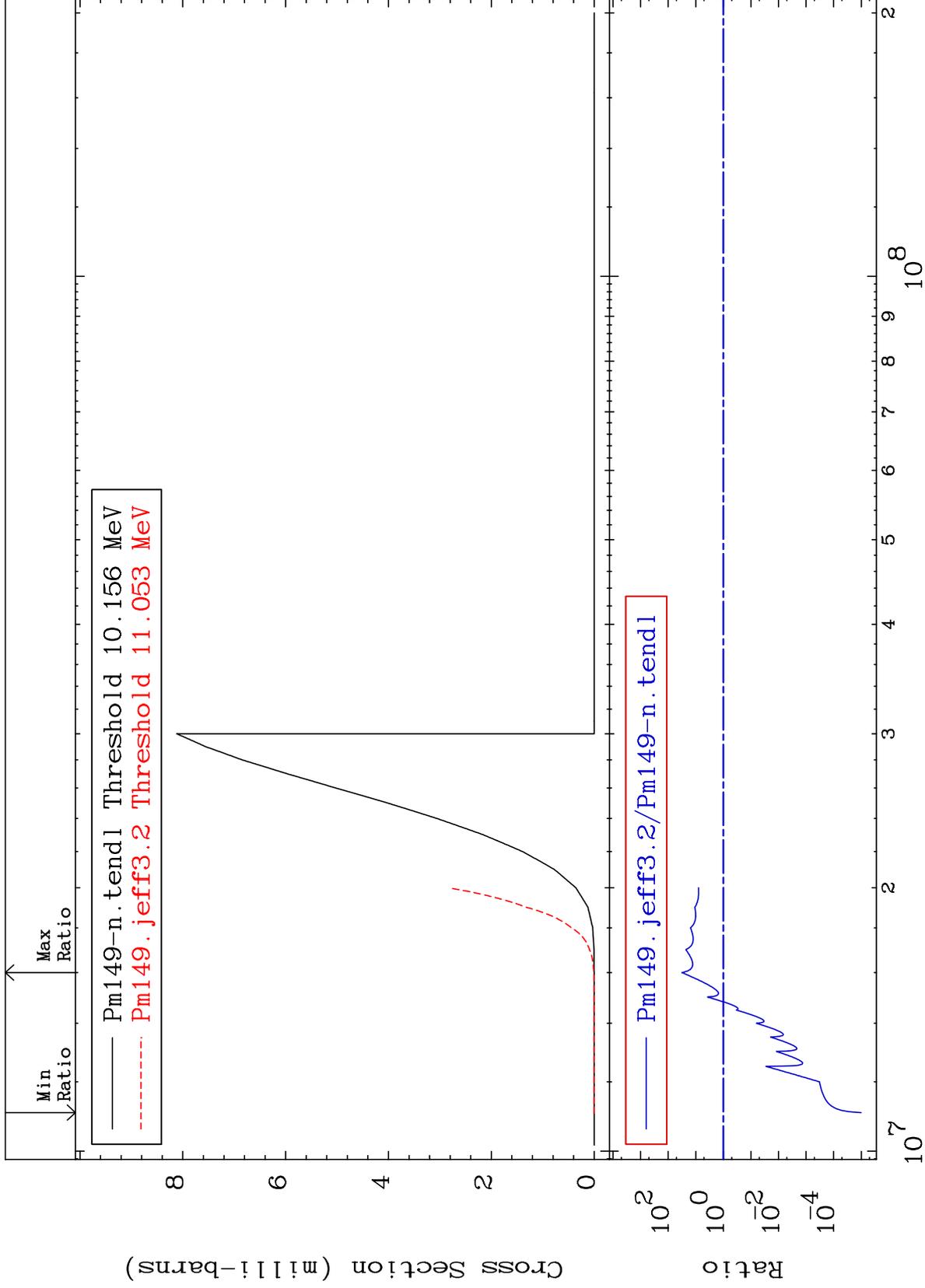
61-Pm-149



MAT 6155

(n,n') t  
Cross Section

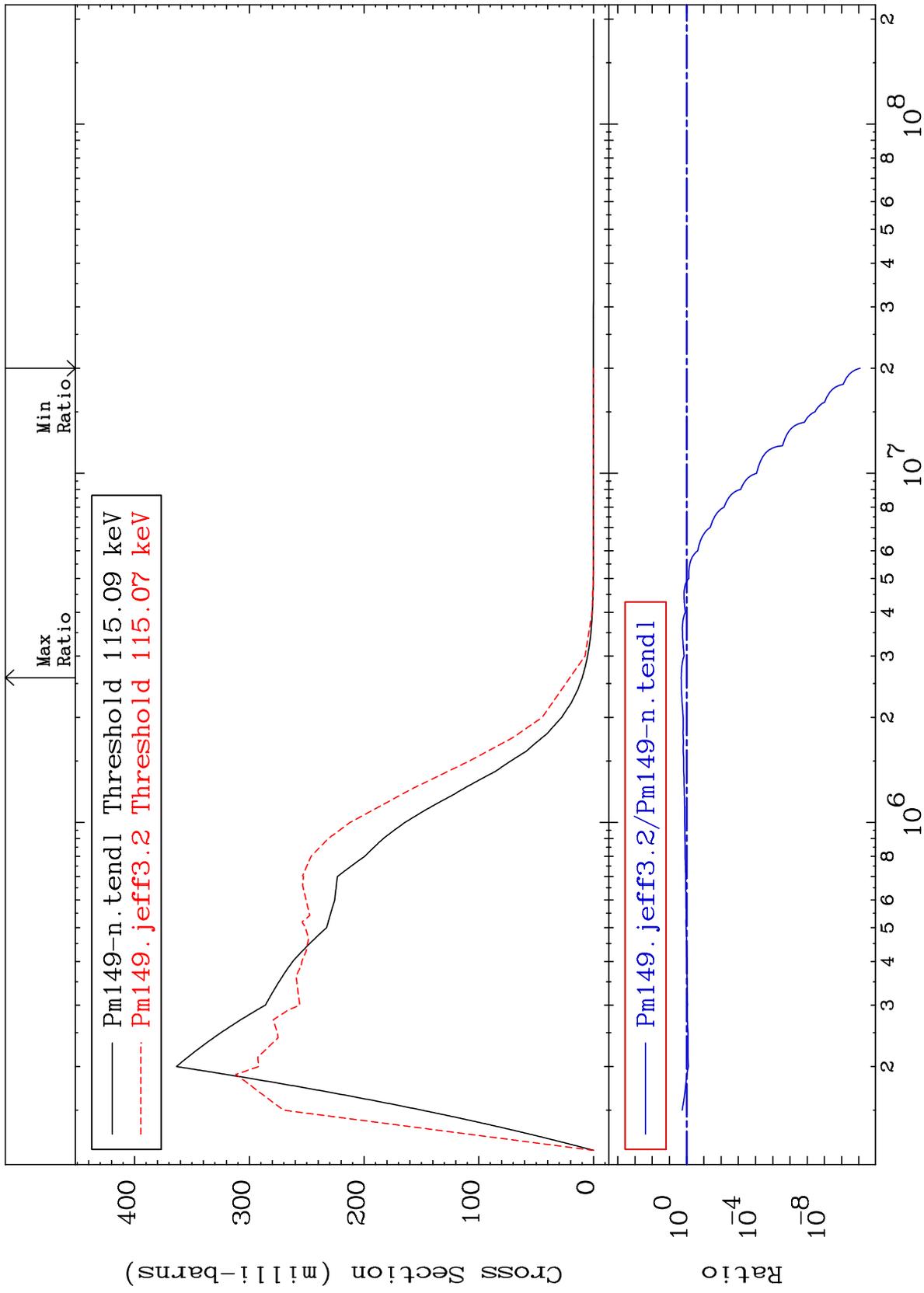
61-Pm-149  
-100.0 To 3077. %



61-Pm-149

61-Pm-149

MAT 6155 114.3 keV (n,n') Level 61-Pm-149  
 Cross Section -100.0 To 108.9 %

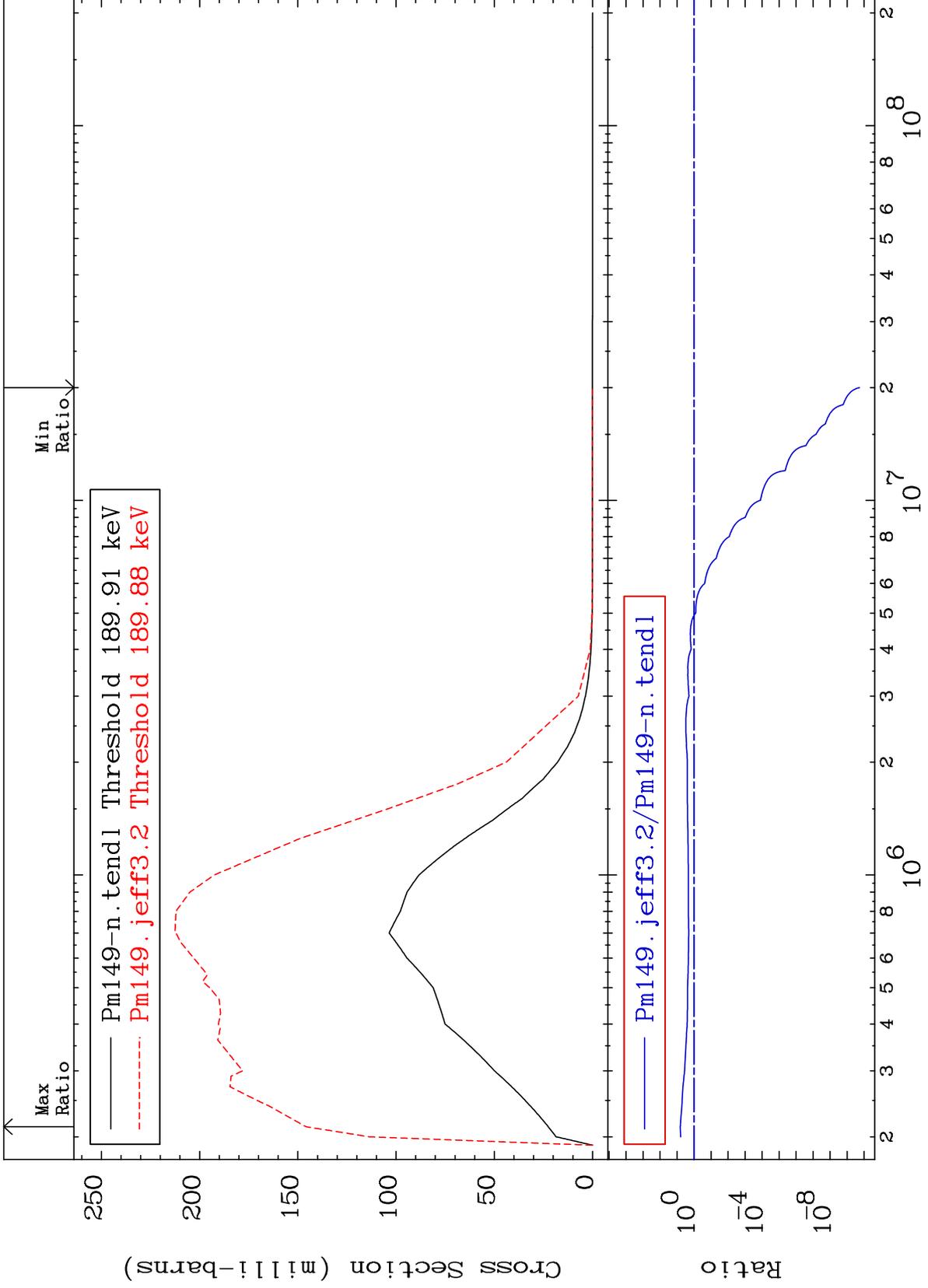


10 Incident Energy (eV) 61-Pm-149

MAT 6155

188.6 keV (n,n') Level  
Cross Section

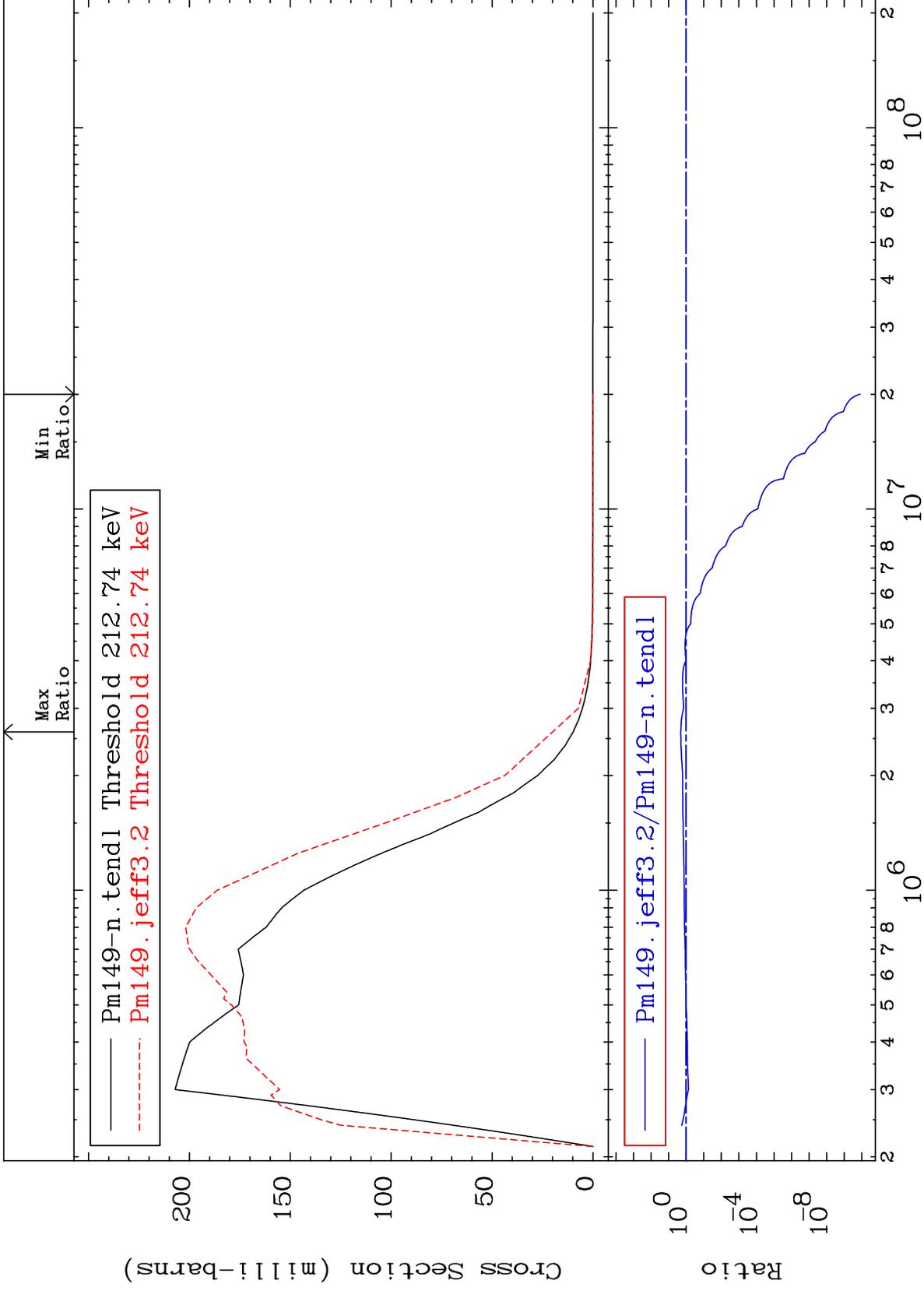
61-Pm-149  
-100.0 To 546.7 %



MAT 6155

211.3 keV (n,n') Level  
Cross Section

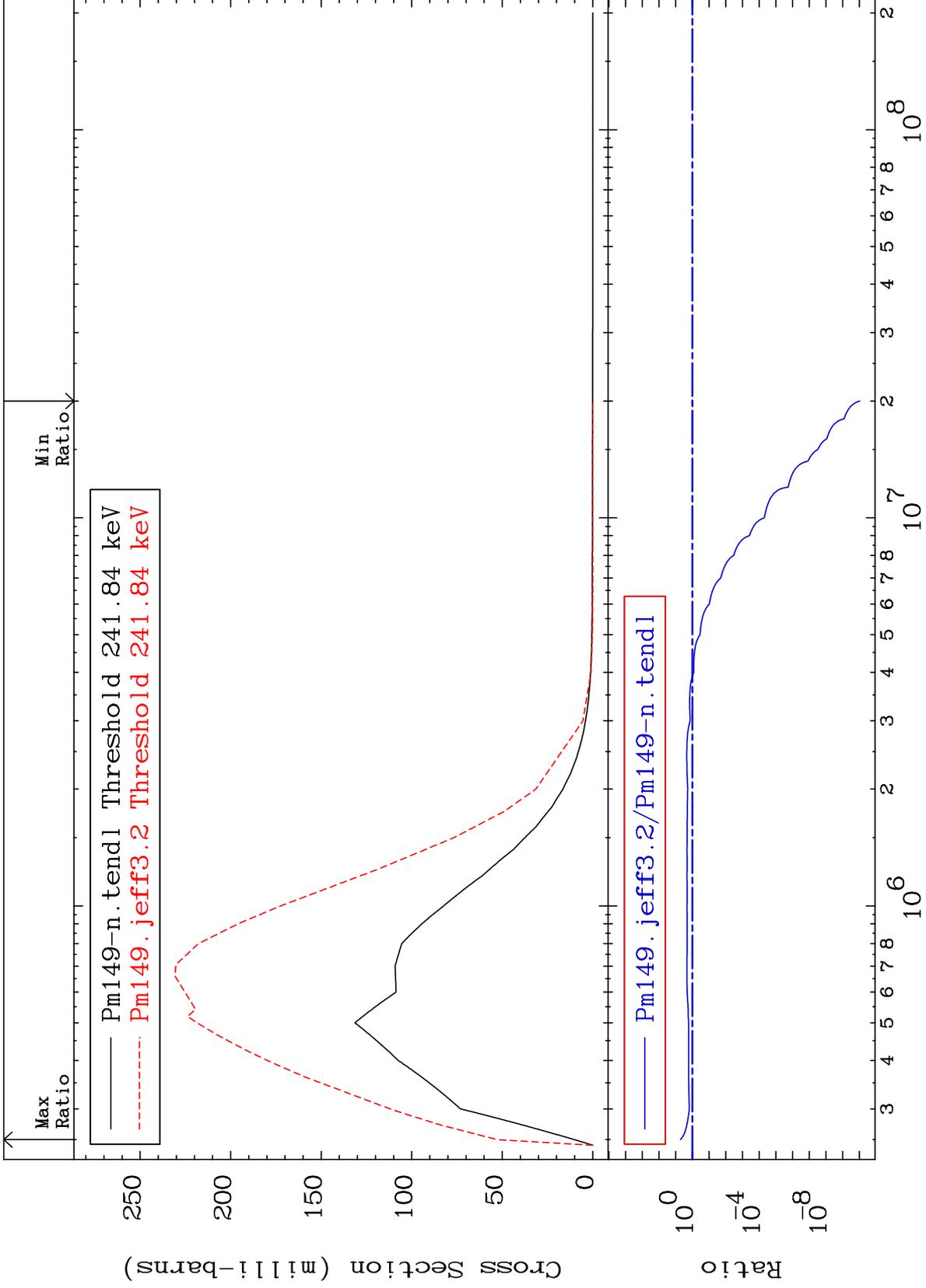
61-Pm-149  
-100.0 To 104.1 %



MAT 6155

240.2 keV (n,n') Level  
Cross Section

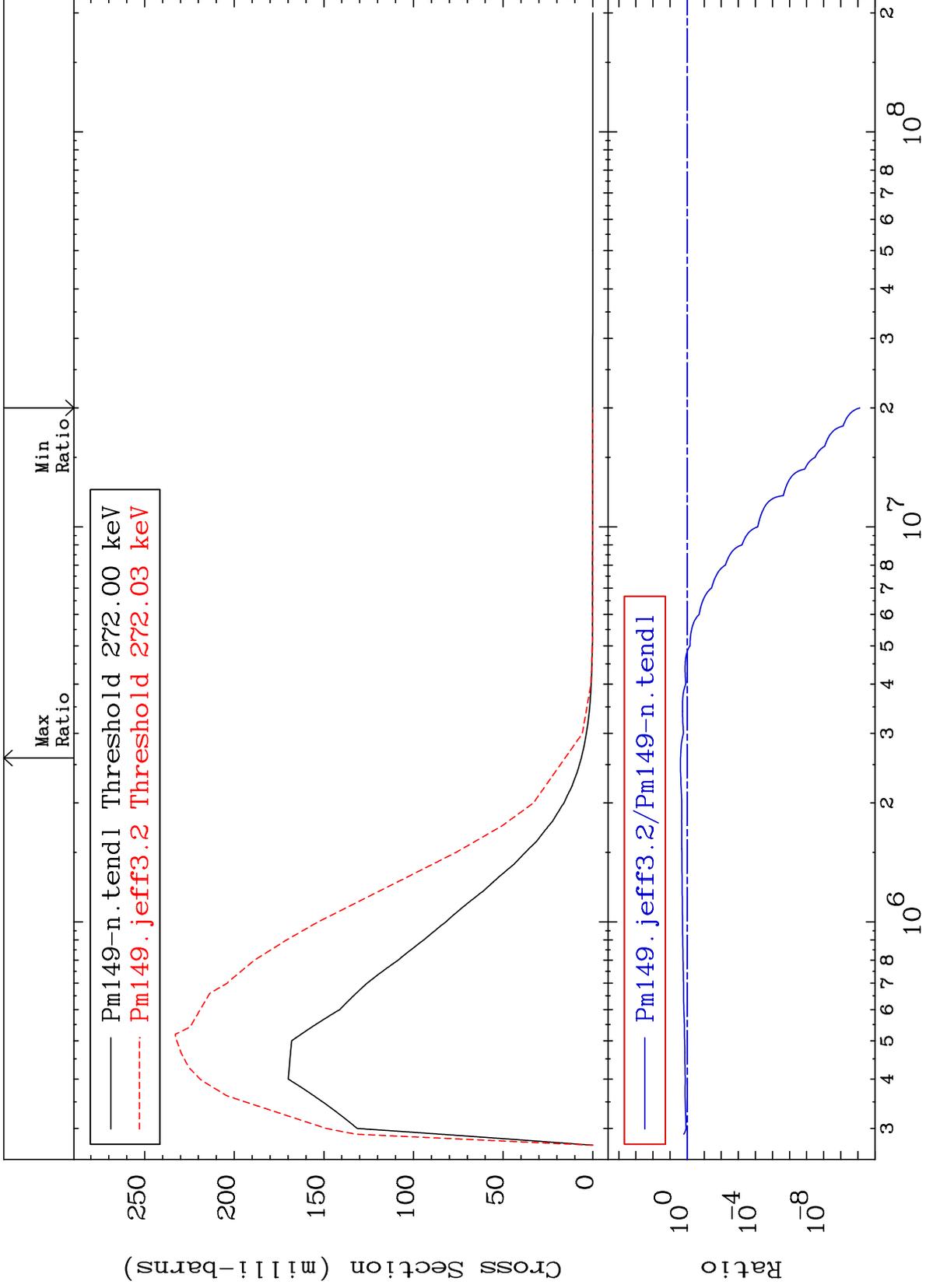
61-Pm-149  
-100.0 To 414.5 %



MAT 6155

270.2 keV (n,n') Level  
Cross Section

61-Pm-149  
-100.0 To 143.4 %



14

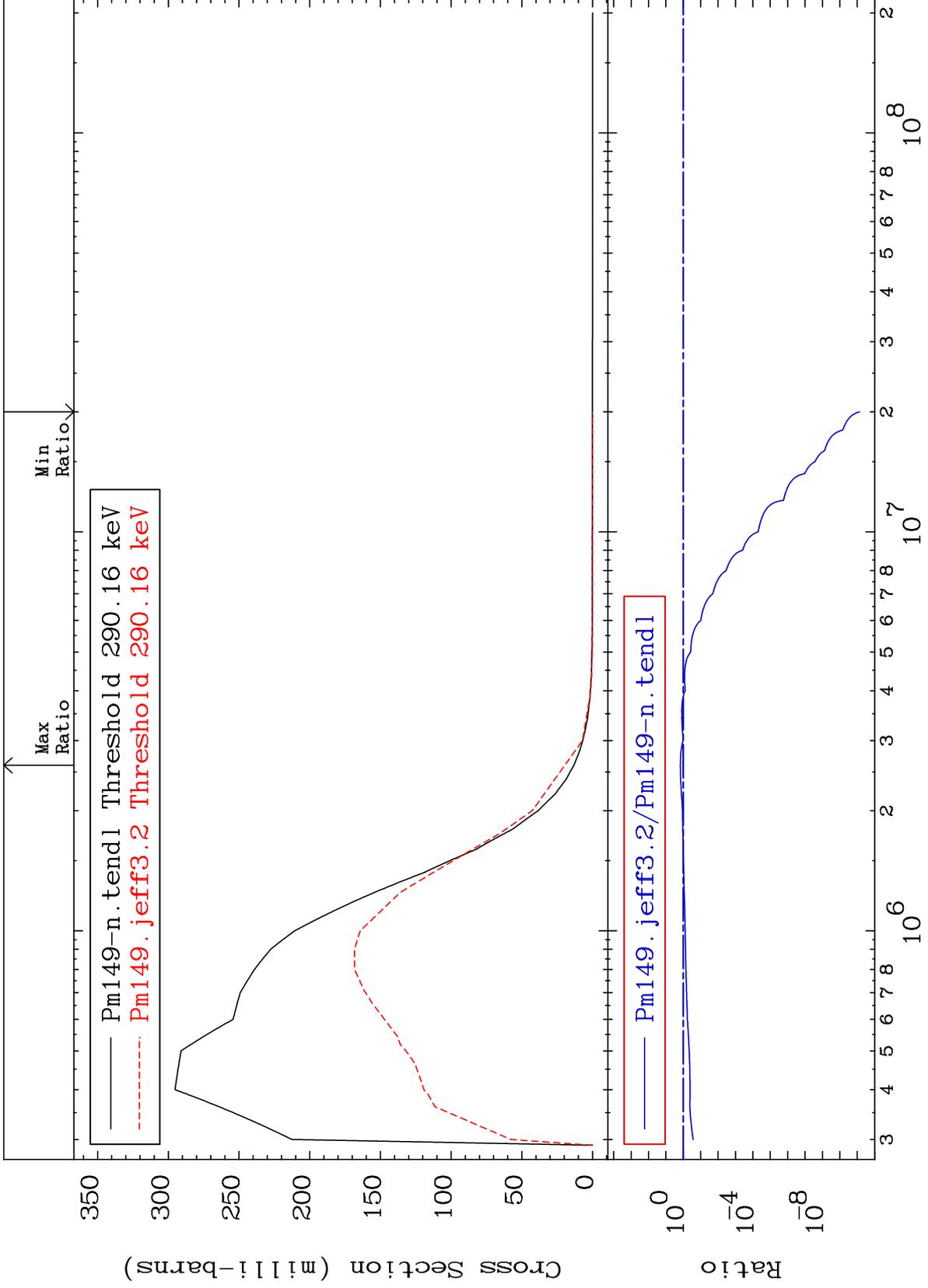
Incident Energy (eV)

61-Pm-149

MAT 6155

288.2 keV (n,n') Level  
Cross Section

61-Pm-149  
-100.0 To 48.85 %



15

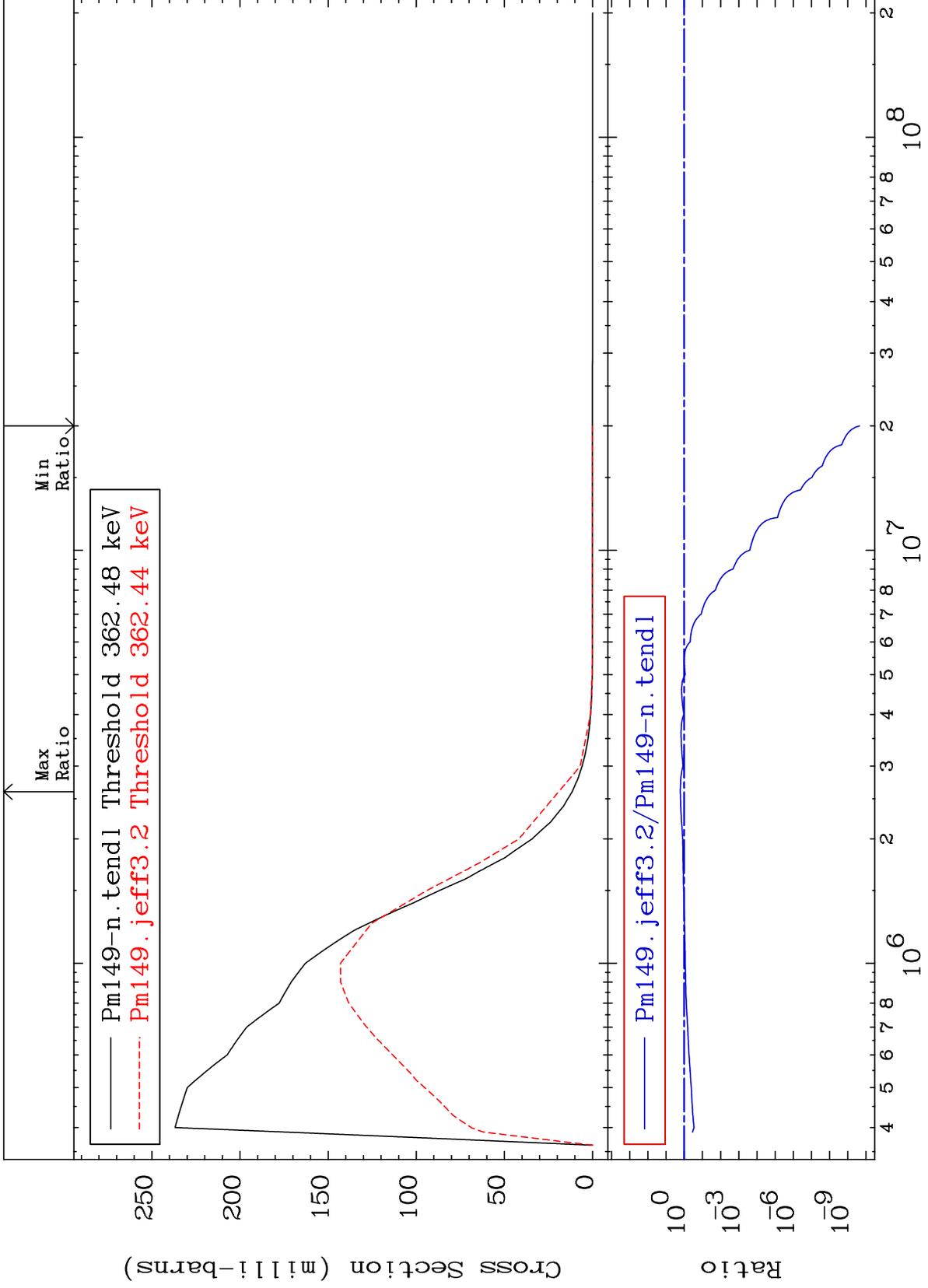
Incident Energy (eV)

61-Pm-149

MAT 6155

360.0 keV (n,n') Level  
Cross Section

61-Pm-149  
-100.0 To 65.95 %



16

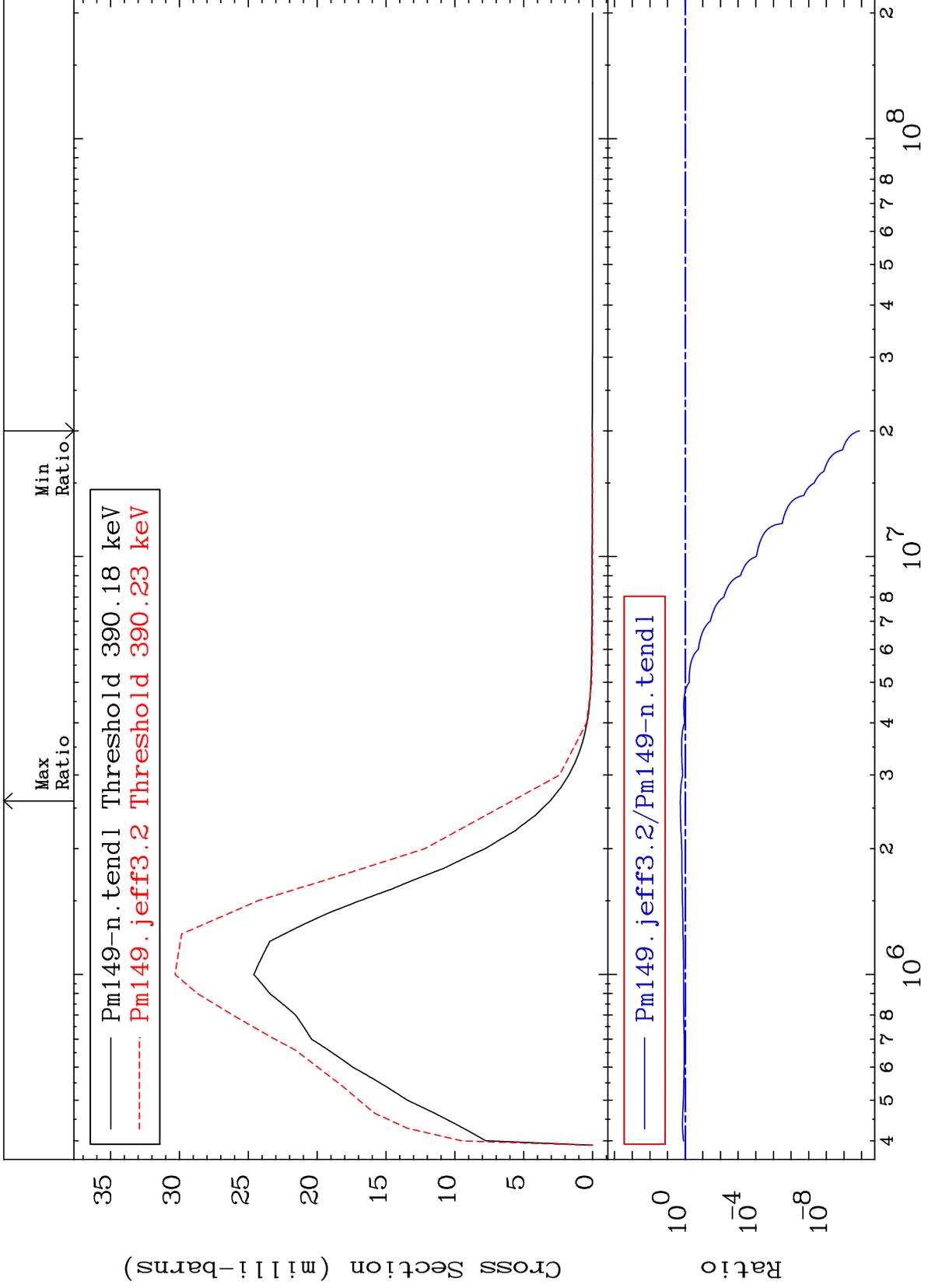
Incident Energy (eV)

61-Pm-149

MAT 6155

387.6 keV (n,n') Level  
Cross Section

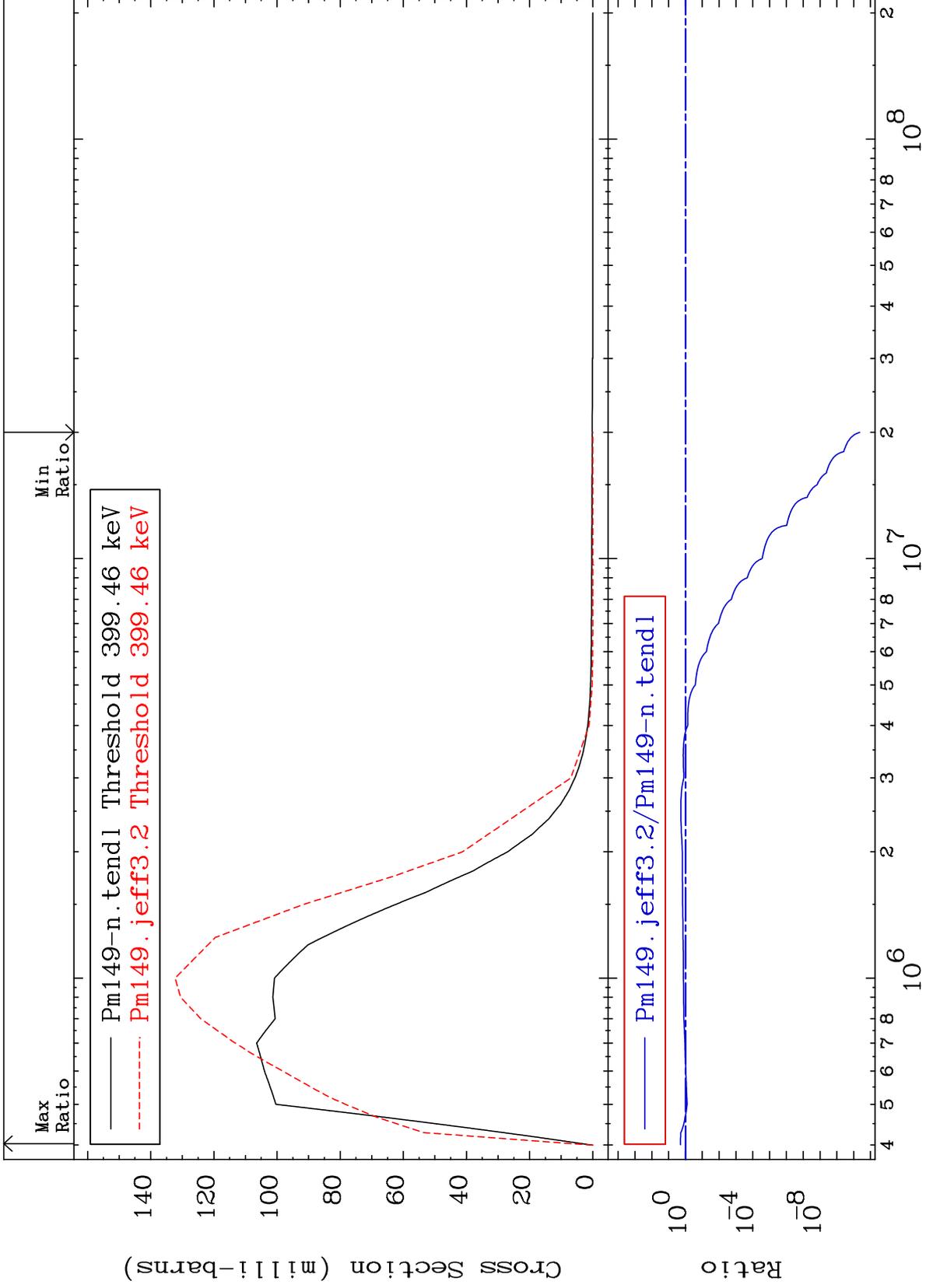
61-Pm-149  
-100.0 To 89.69 %



MAT 6155

396.8 keV (n,n') Level  
Cross Section

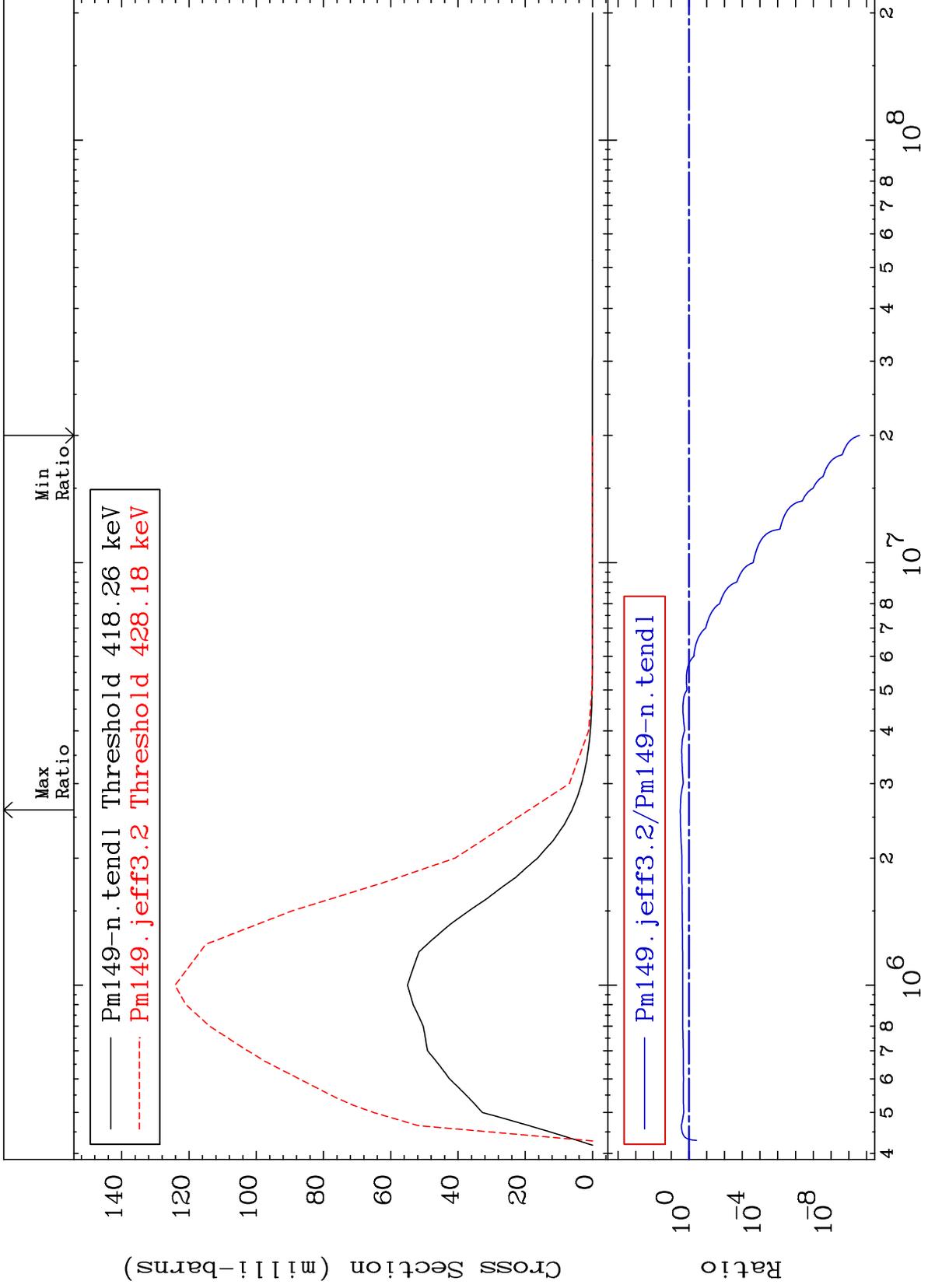
61-Pm-149  
-100.0 To 96.00 %



MAT 6155

415.4 keV (n,n') Level  
Cross Section

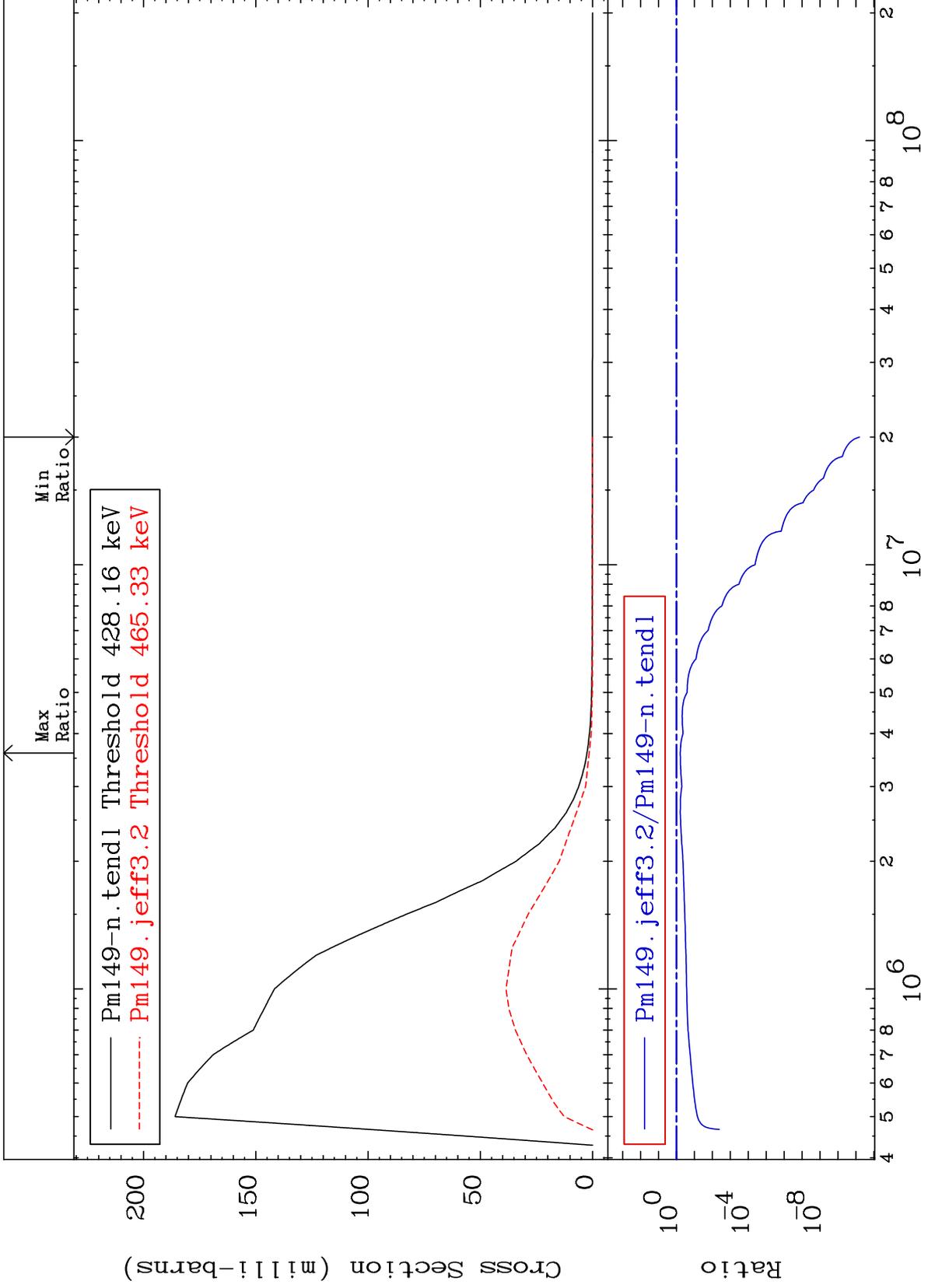
61-Pm-149  
-100.0 To 210.3 %



MAT 6155

425.3 keV (n,n') Level  
Cross Section

61-Pm-149  
-100.0 To -38.47%



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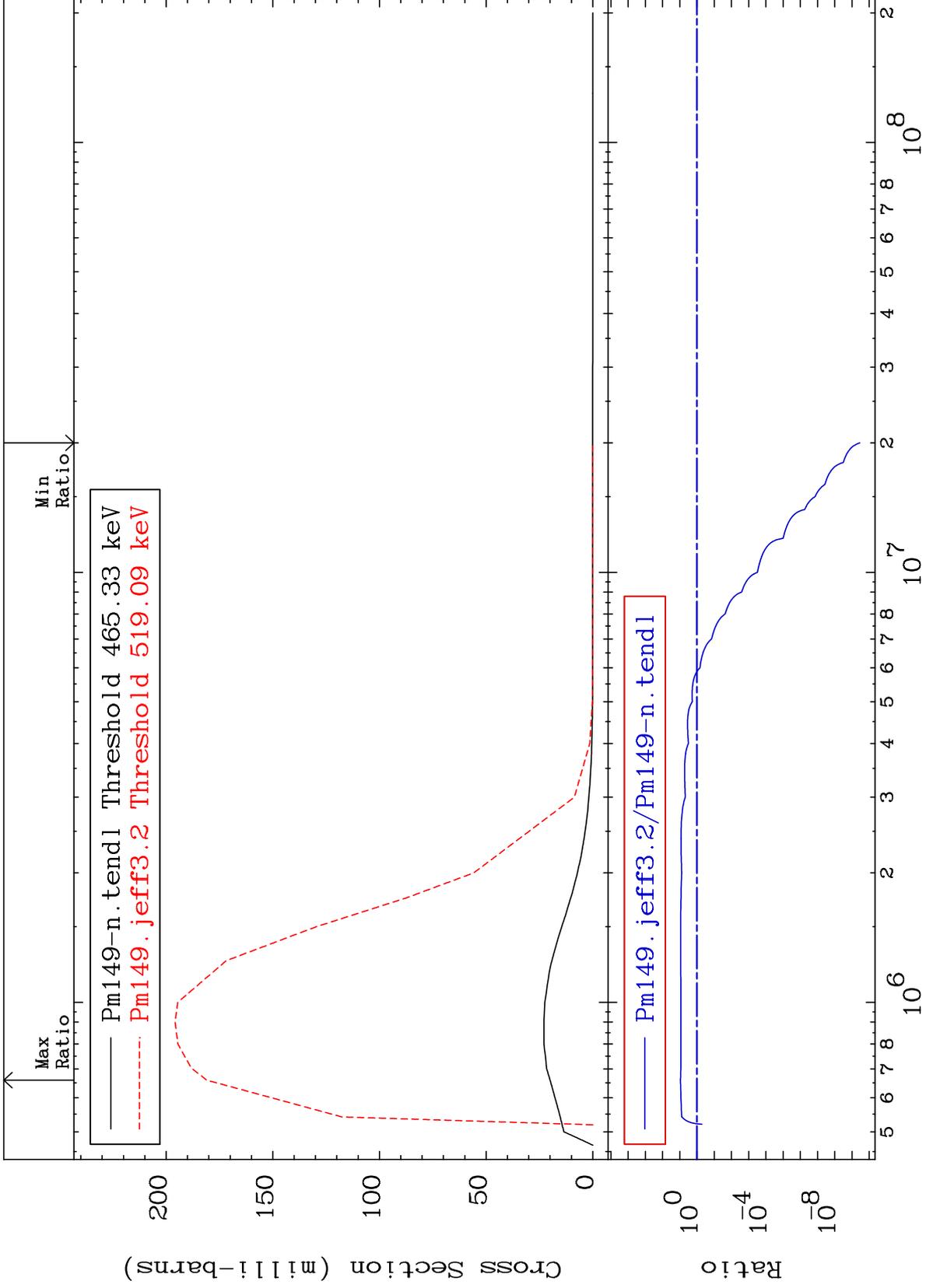
Incident Energy (eV)

61-Pm-149

MAT 6155

462.2 keV (n,n') Level  
Cross Section

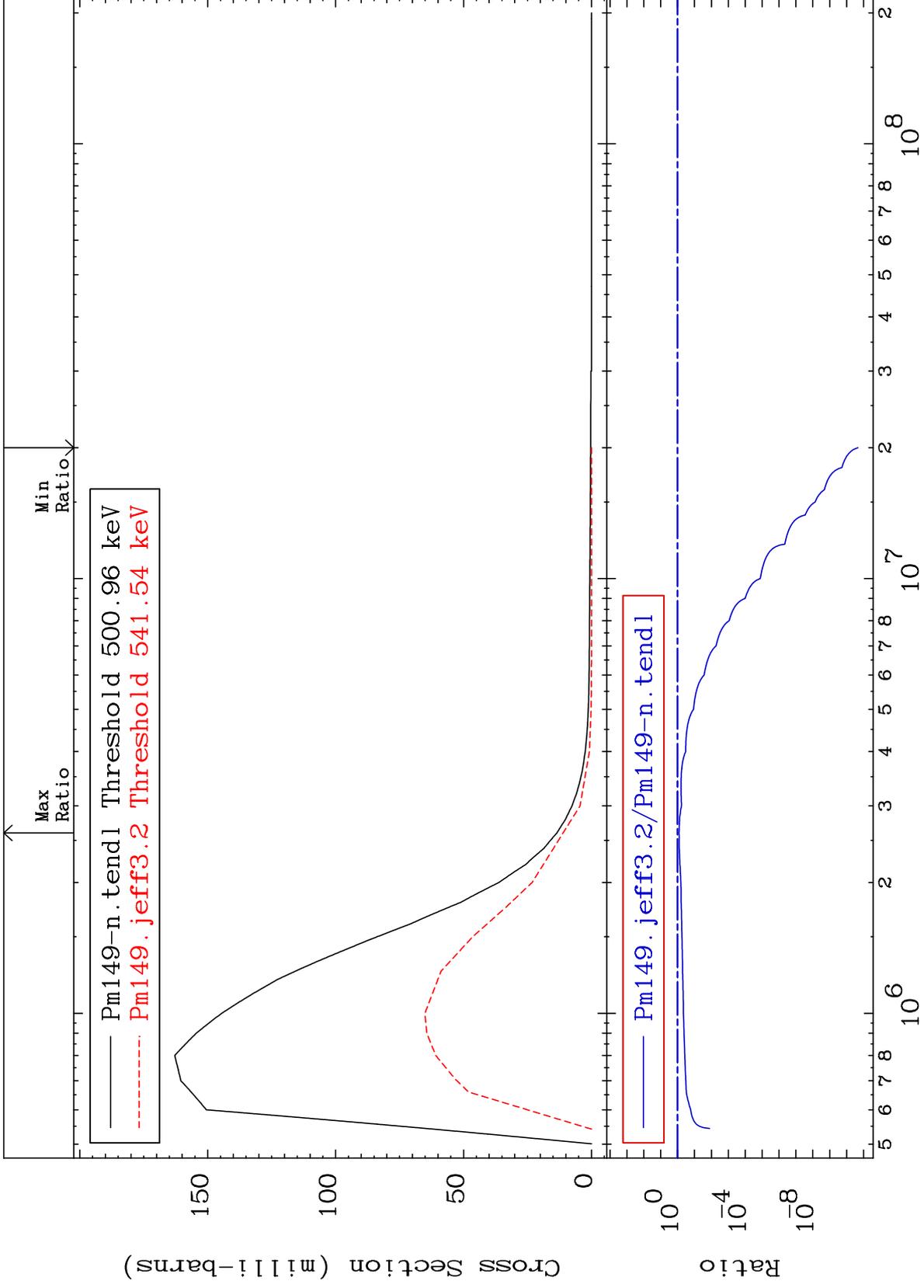
61-Pm-149  
-100.0 To 804.7 %



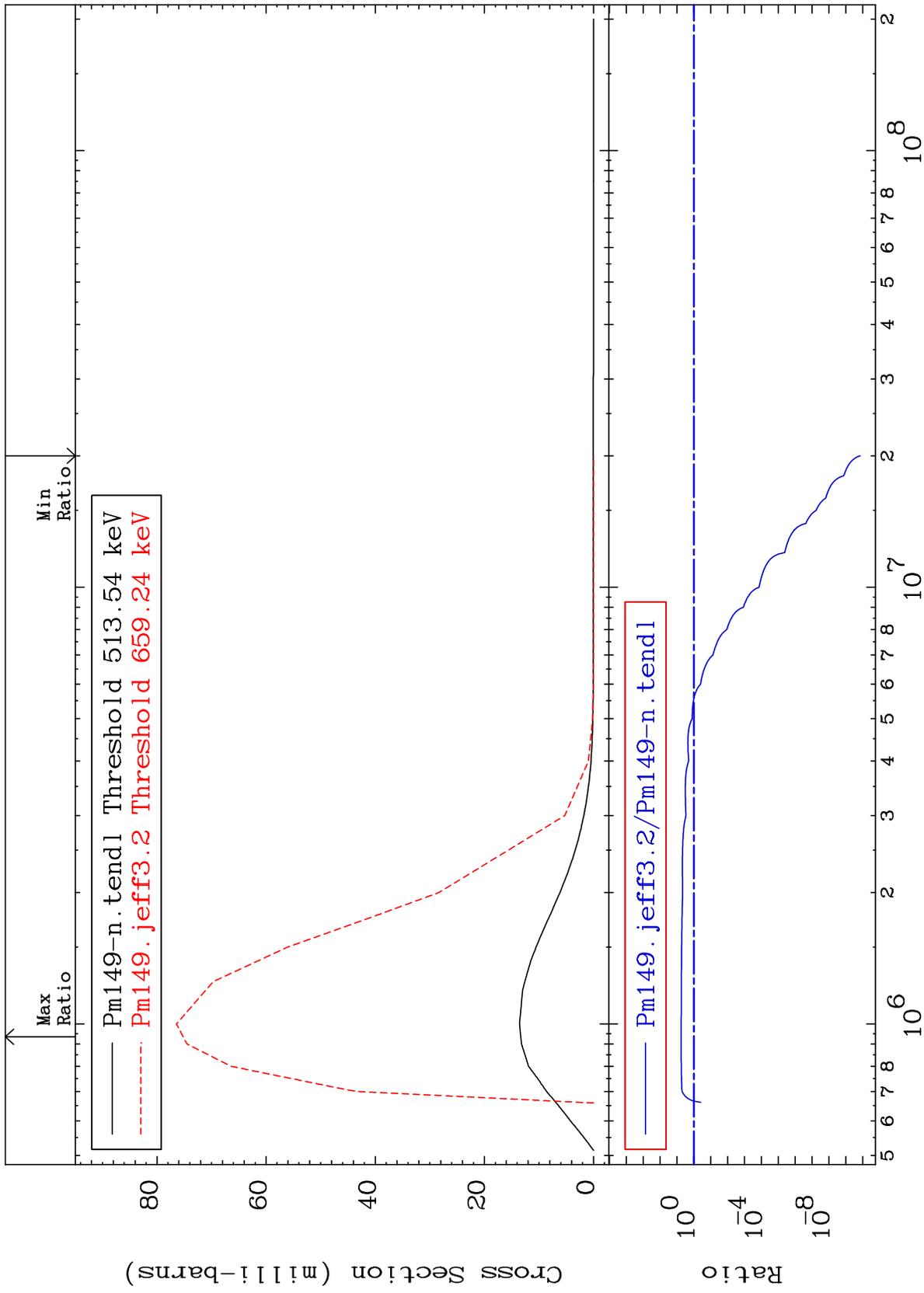
MAT 6155

497.6 keV (n,n') Level  
Cross Section

61-Pm-149  
-100.0 To -17.97%



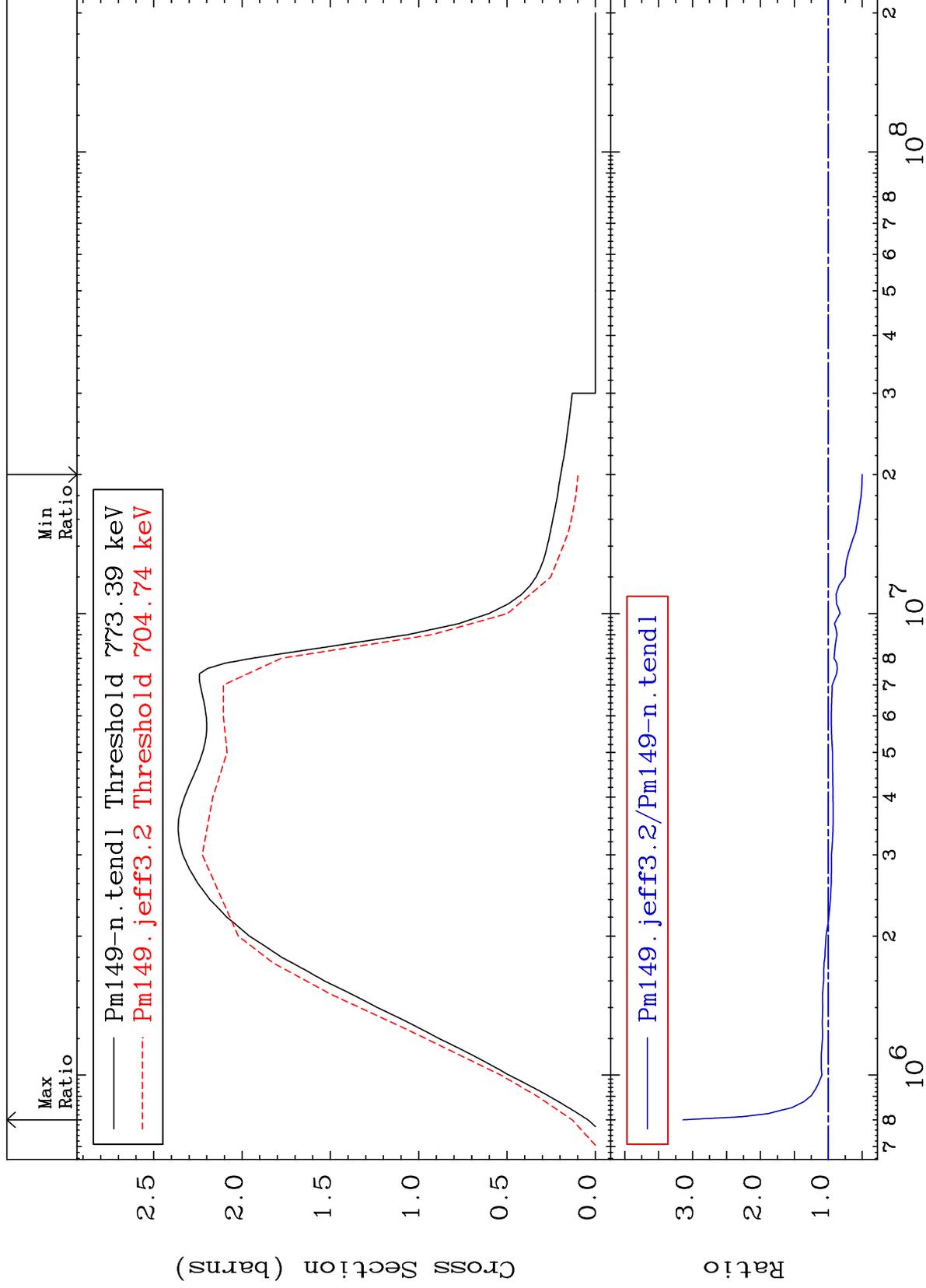
MAT 6155 510.1 keV (n,n') Level 61-Pm-149  
 Cross Section -100.0 To 464.2 %



MAT 6155

(n, n') Continuum  
Cross Section

61-Pm-149  
-49.91 To 214.1 %



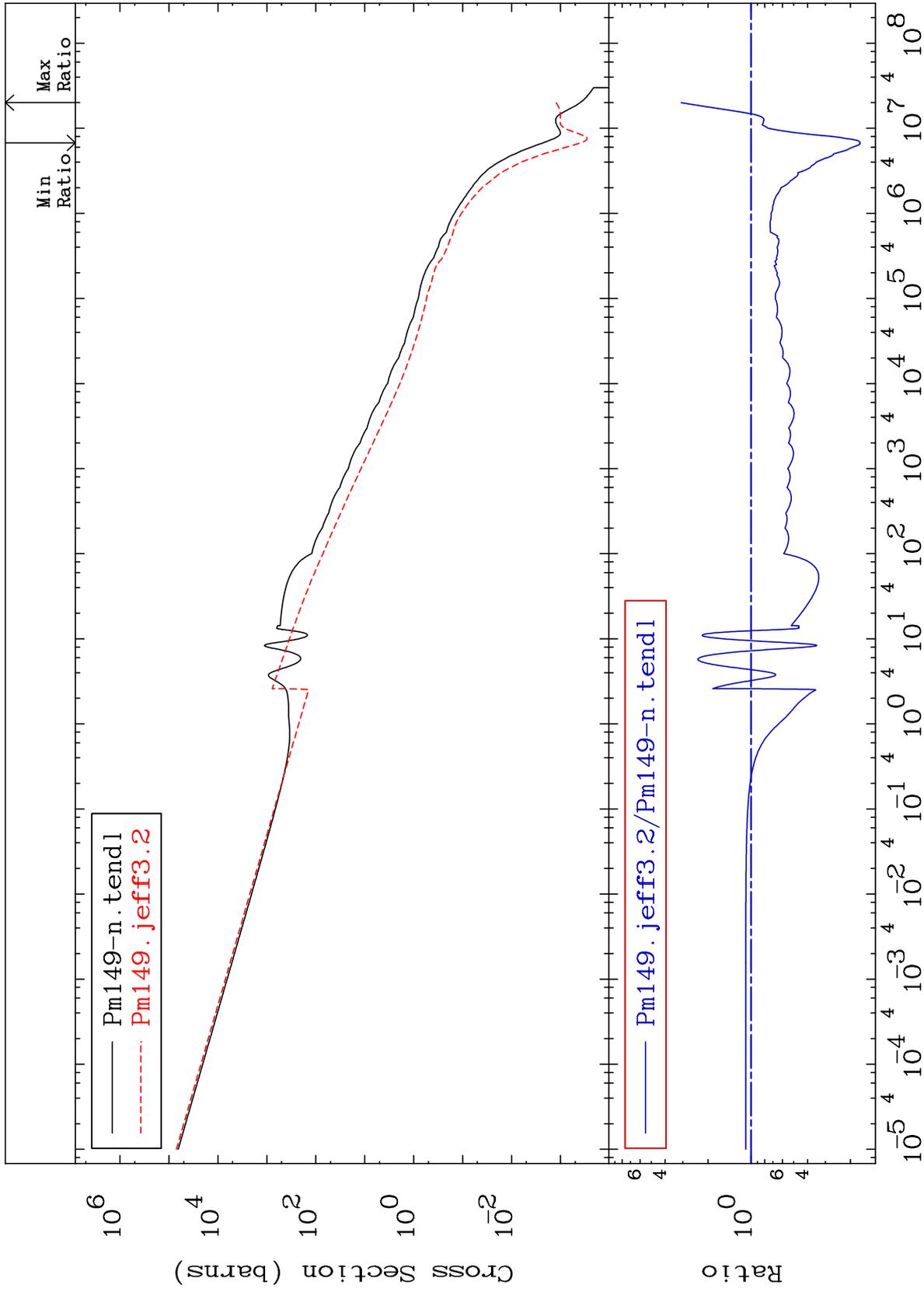
24

61-Pm-149

MAT 6155

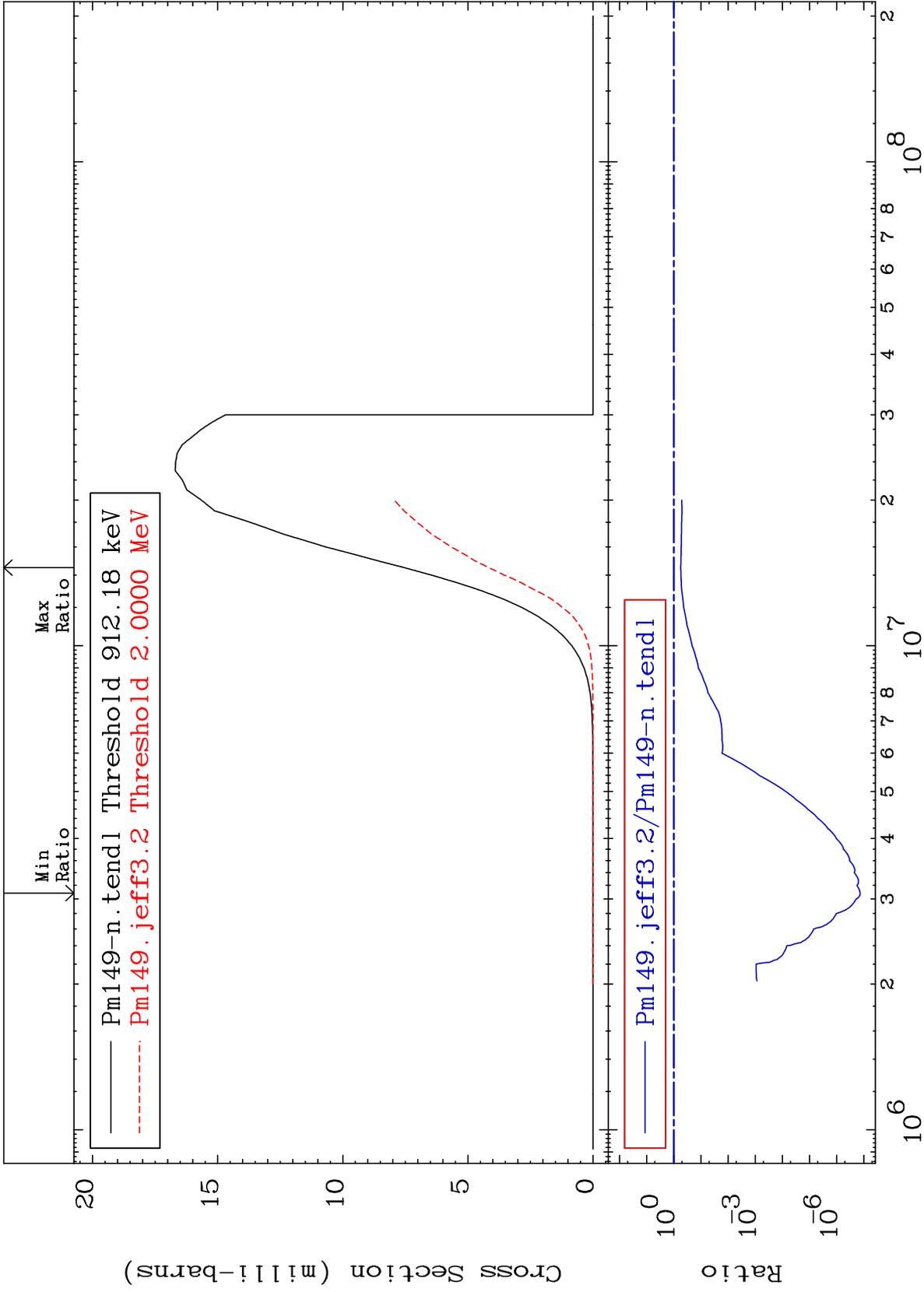
(n,  $\gamma$ )  
Cross Section

61-Pm-149  
-82.90 To 208.3 %



MAT 6155

(n,p) Cross Section  
61-Pm-149  
-100.0 To -44.69%



26

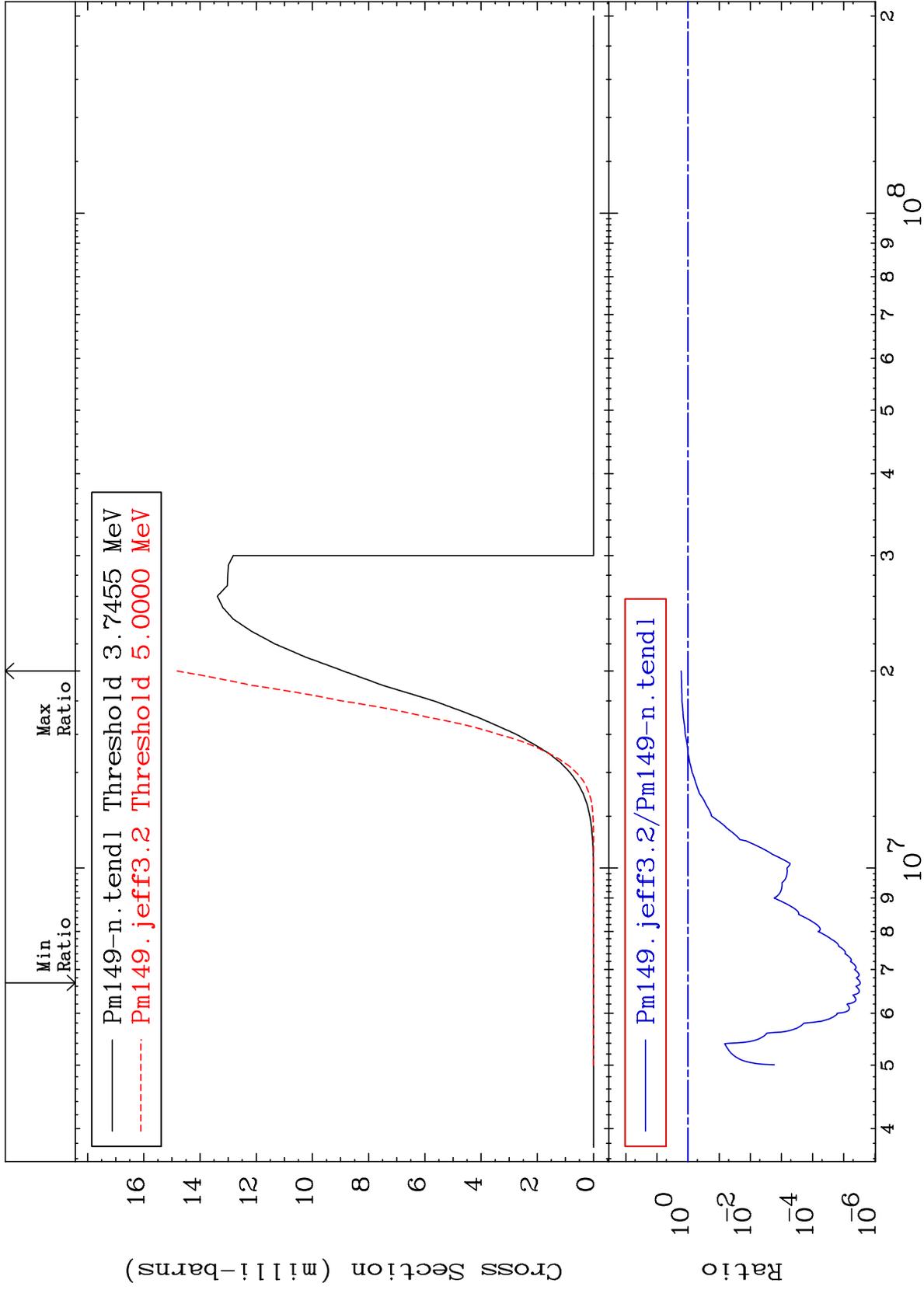
Incident Energy (eV)

61-Pm-149

MAT 6155

61-Pm-149

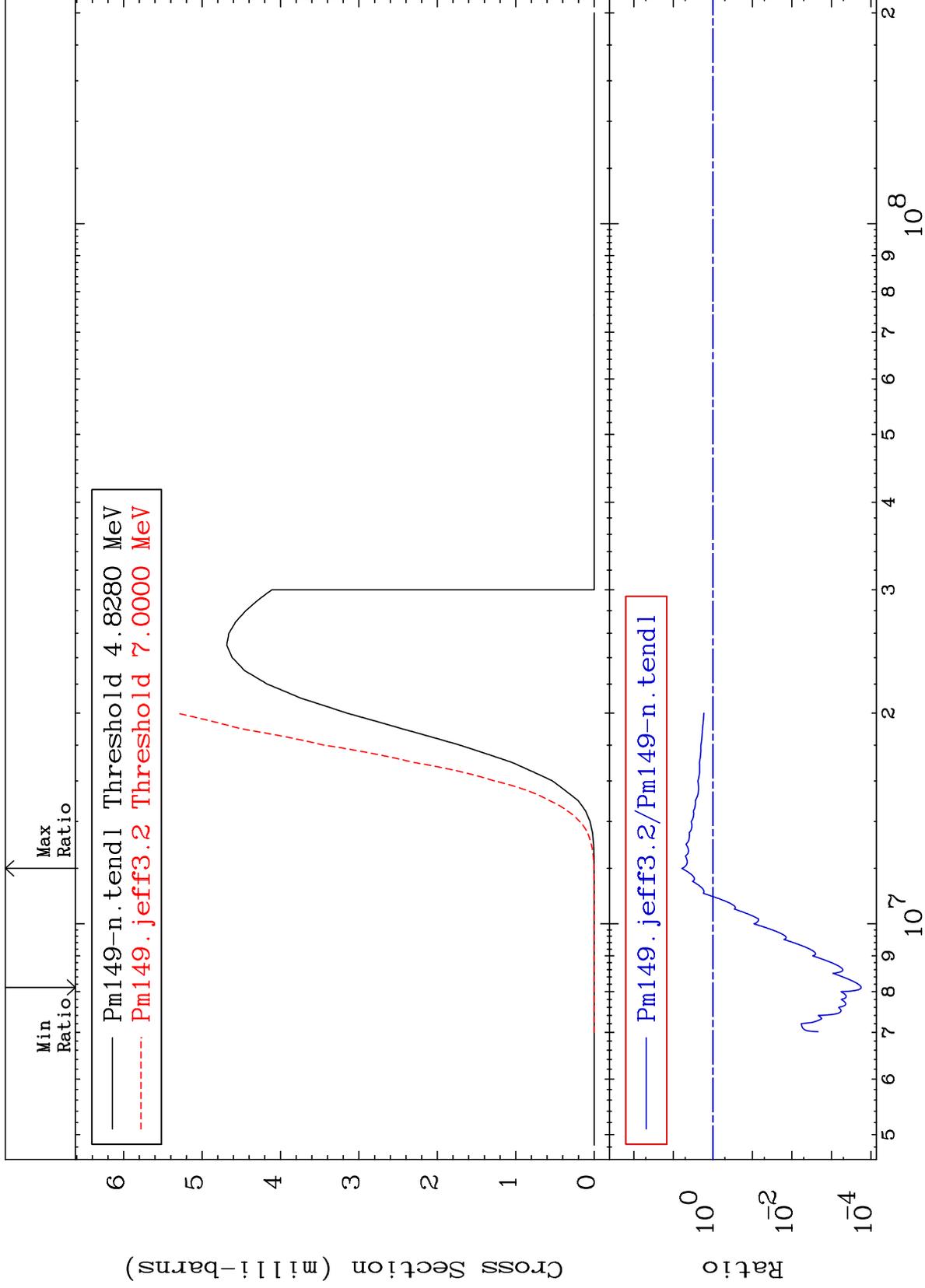
(n, d)  
Cross Section  
-100.0 To 66.51 %



MAT 6155

(n, t)  
Cross Section

61-Pm-149  
-99.98 To 509.1 %



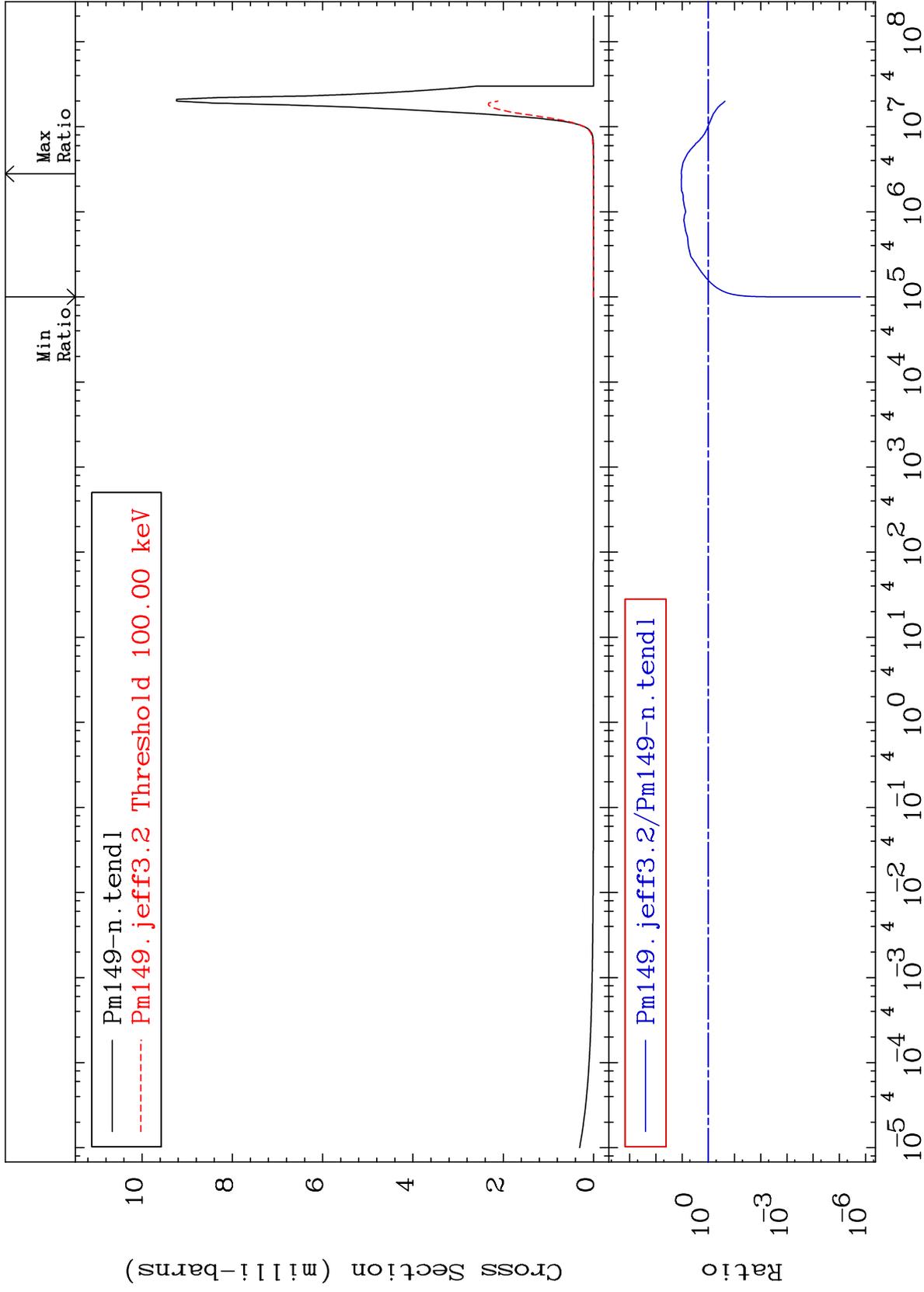
MAT 6155

(n,  $\alpha$ )

61-Pm-149

Cross Section

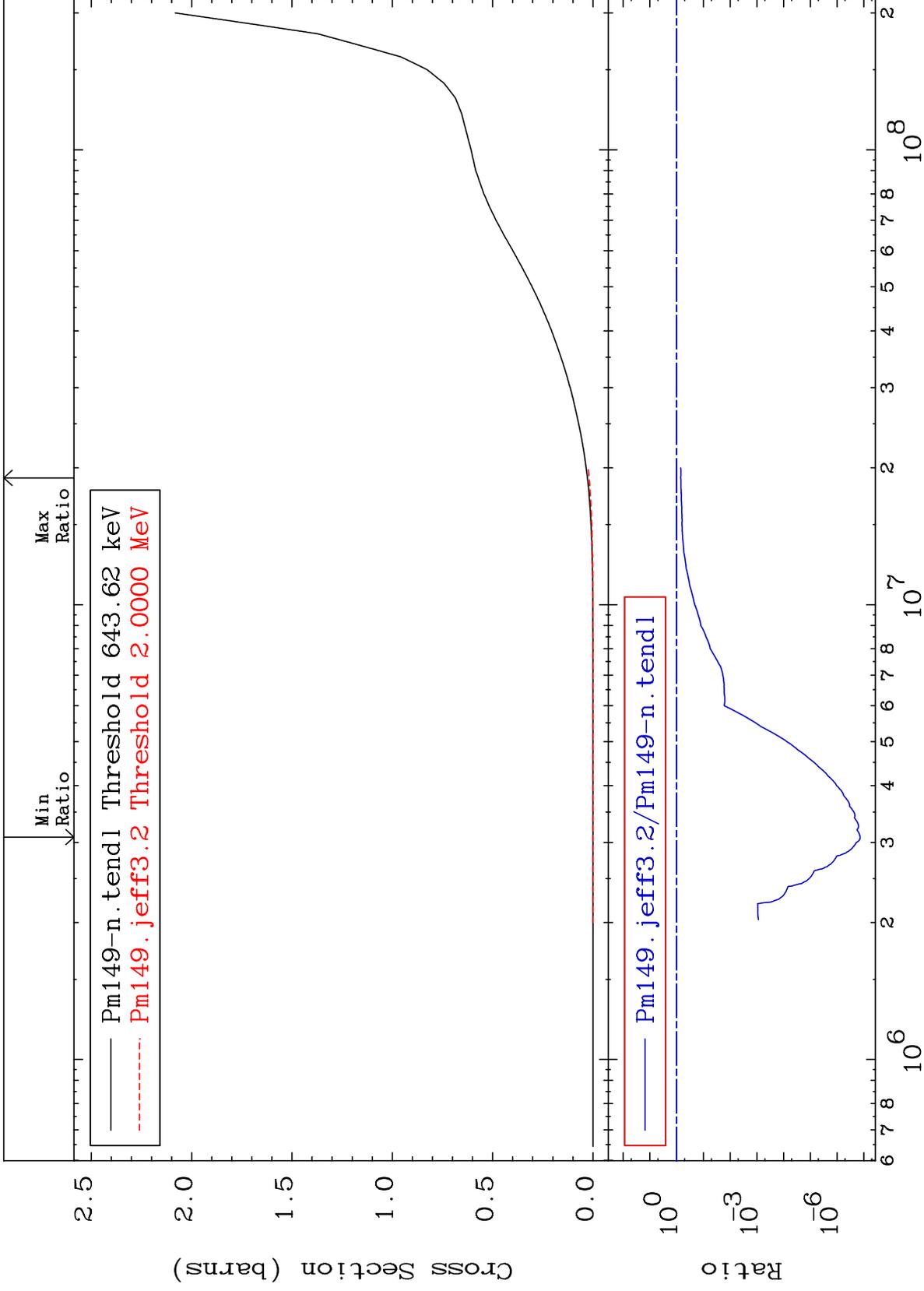
-100.0 To 983.0 %



MAT 6155

Hydrogen Production  
Cross Section

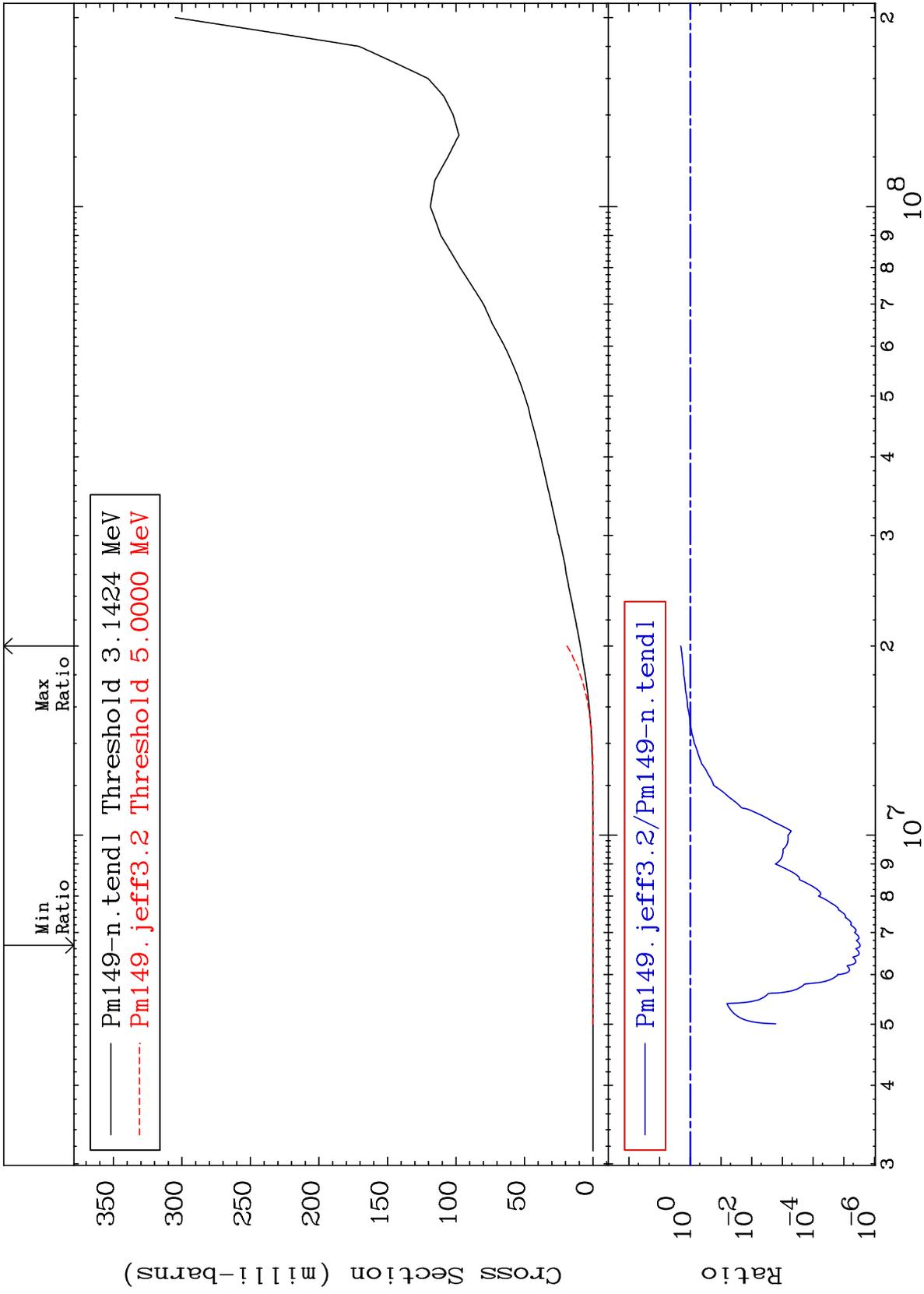
61-Pm-149  
-100.0 To -29.90%

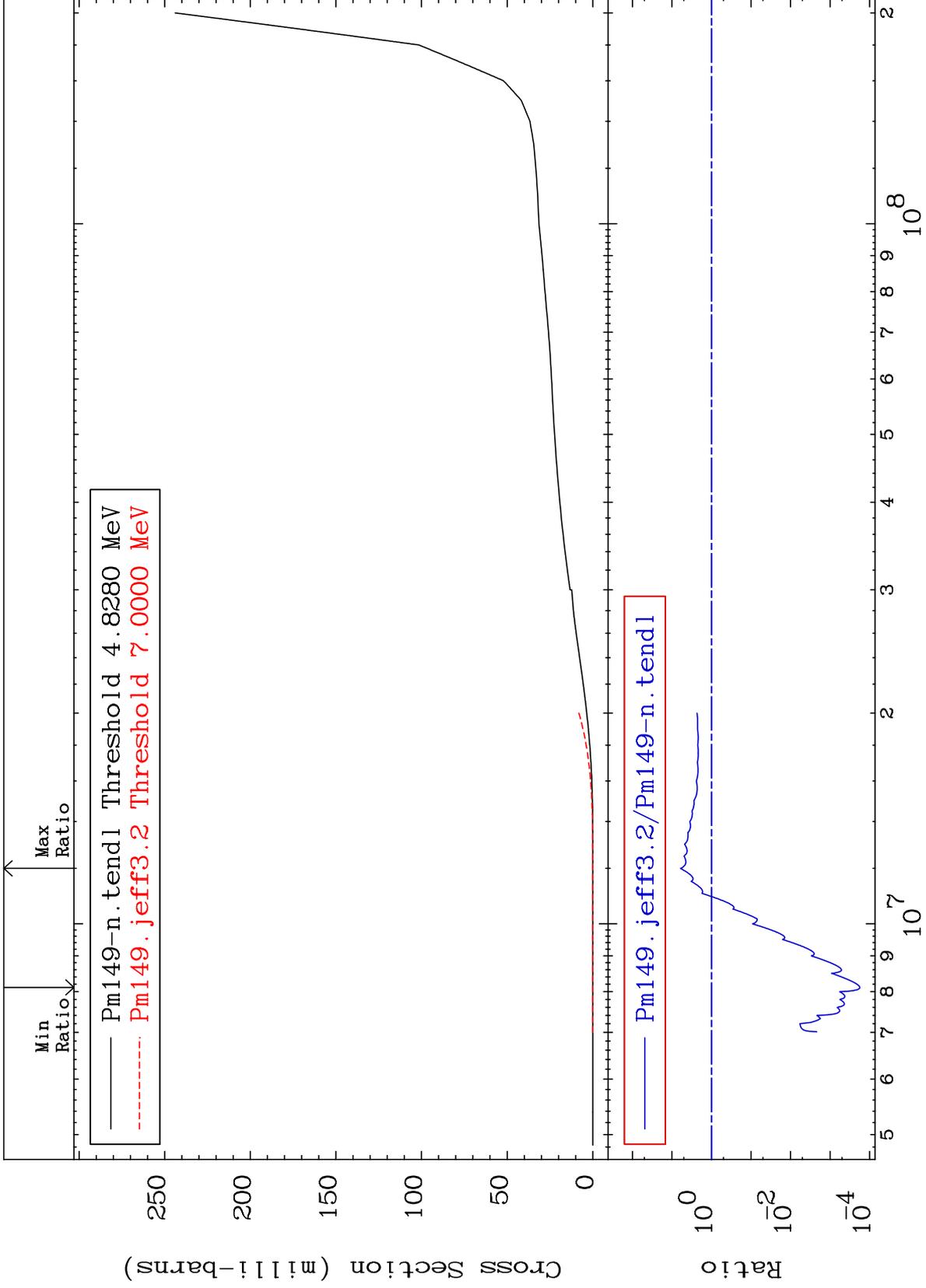


30

Incident Energy (eV)

61-Pm-149

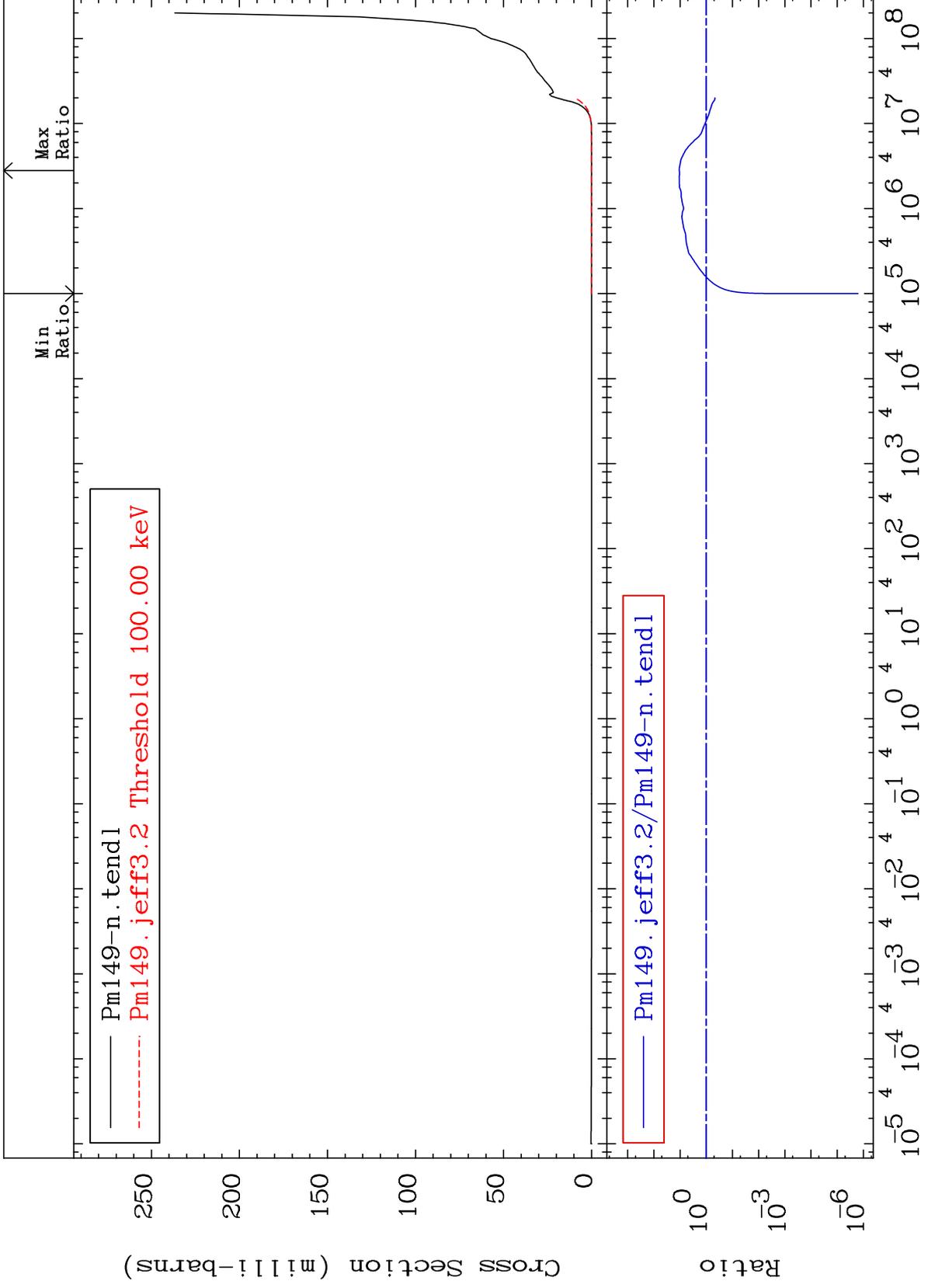




MAT 6155

He-4 Production  
Cross Section

61-Pm-149  
-100.0 To 983.0 %



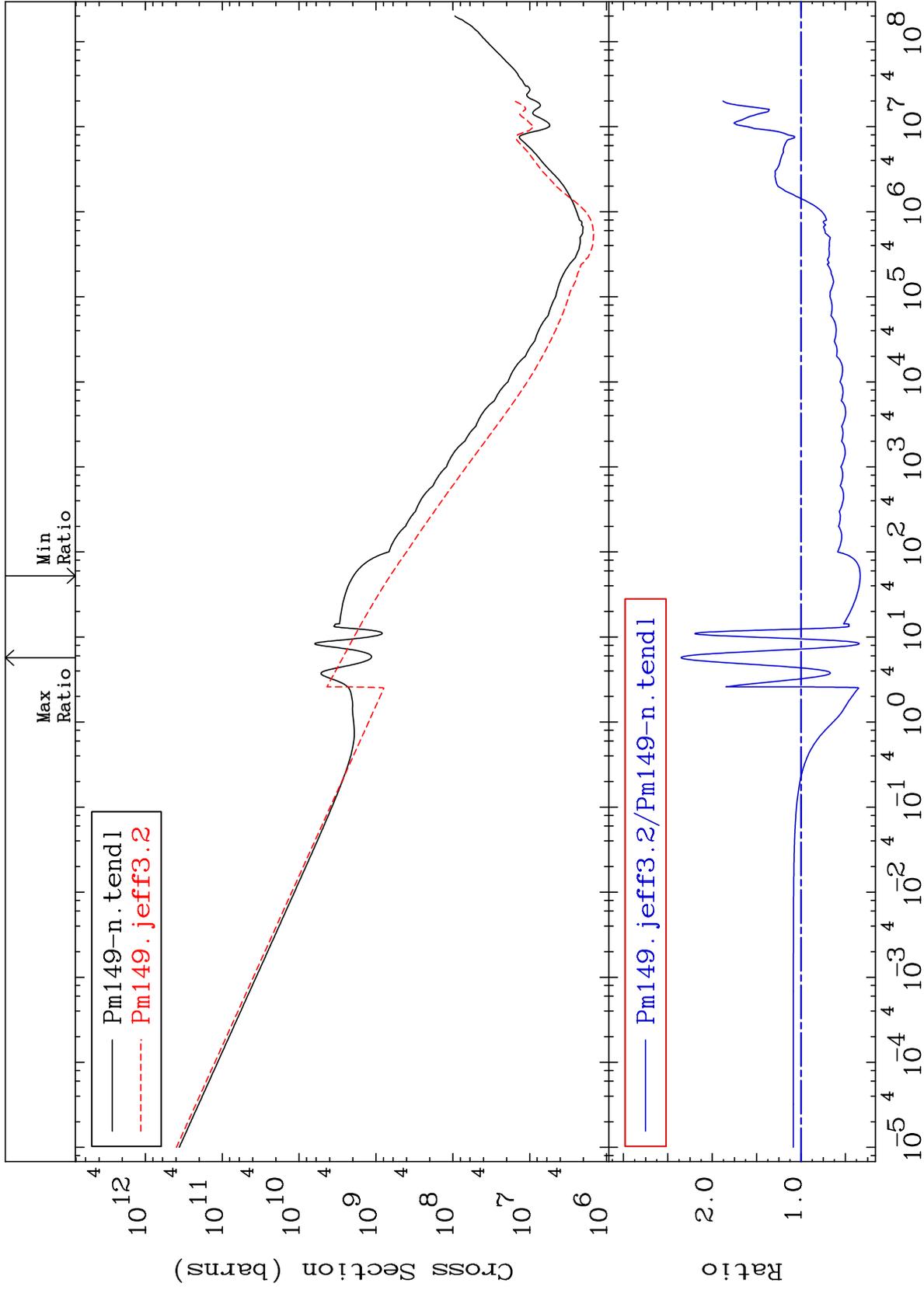
MAT 6155

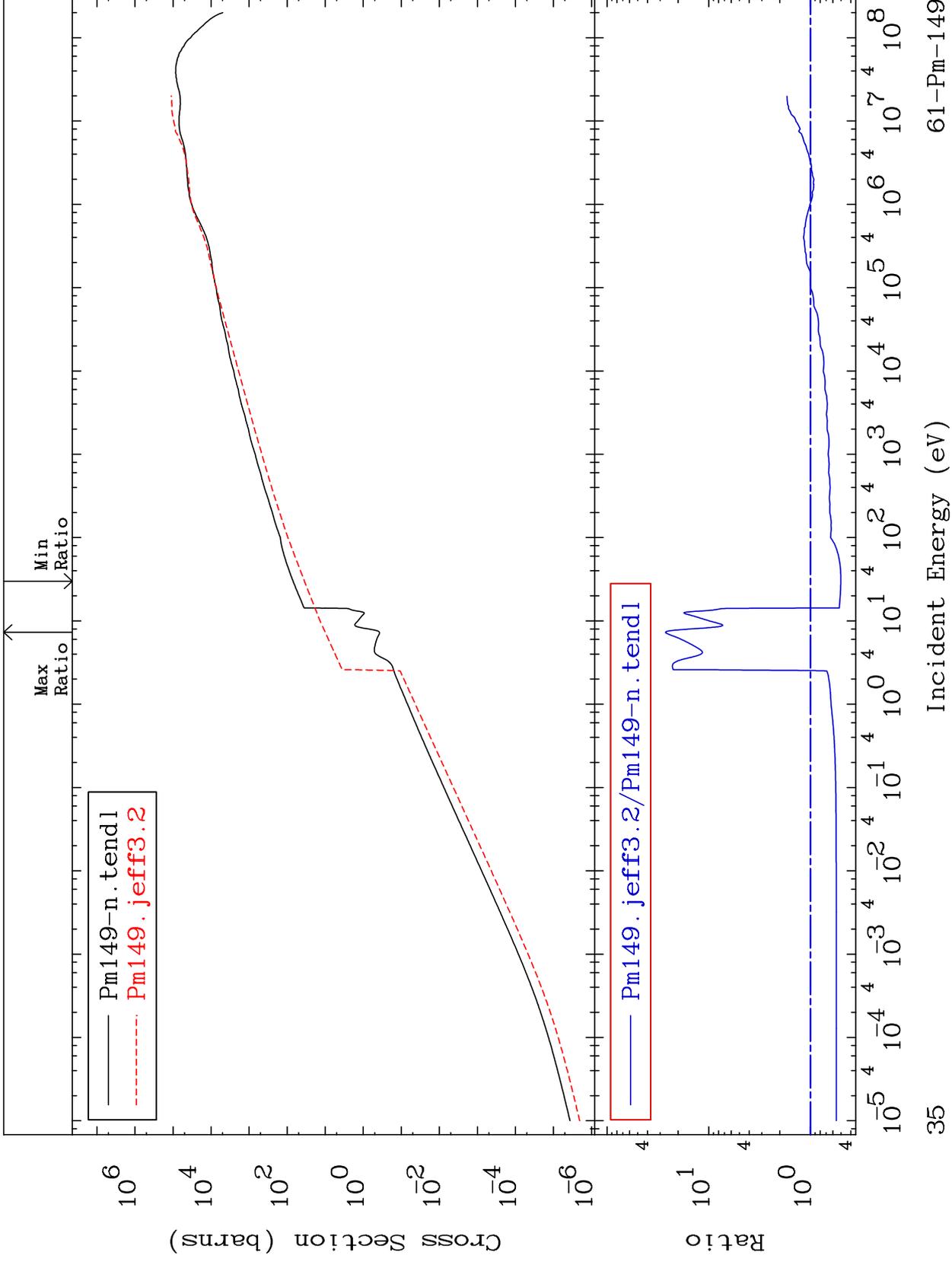
Kerma total (eV-barns)

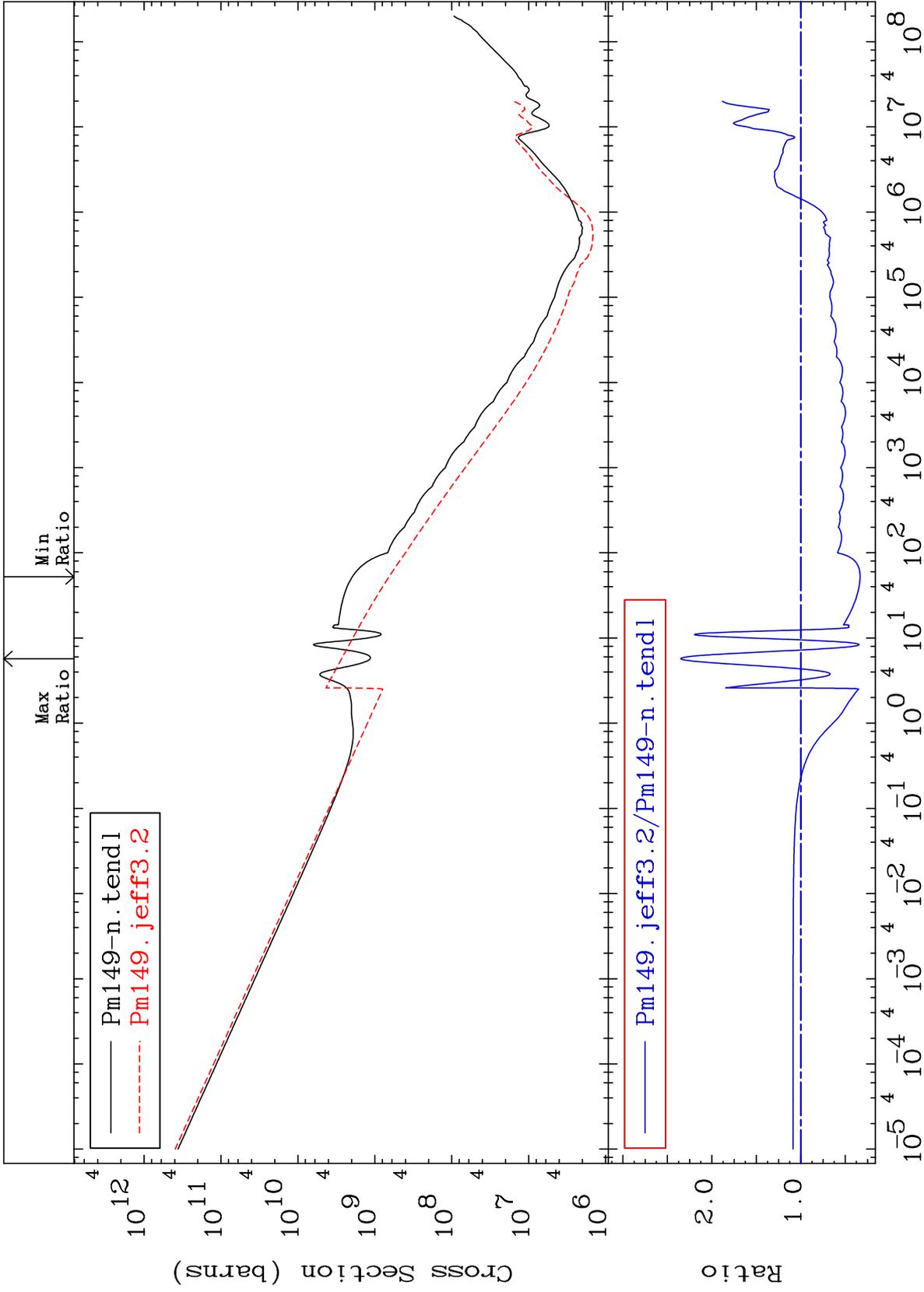
61-Pm-149

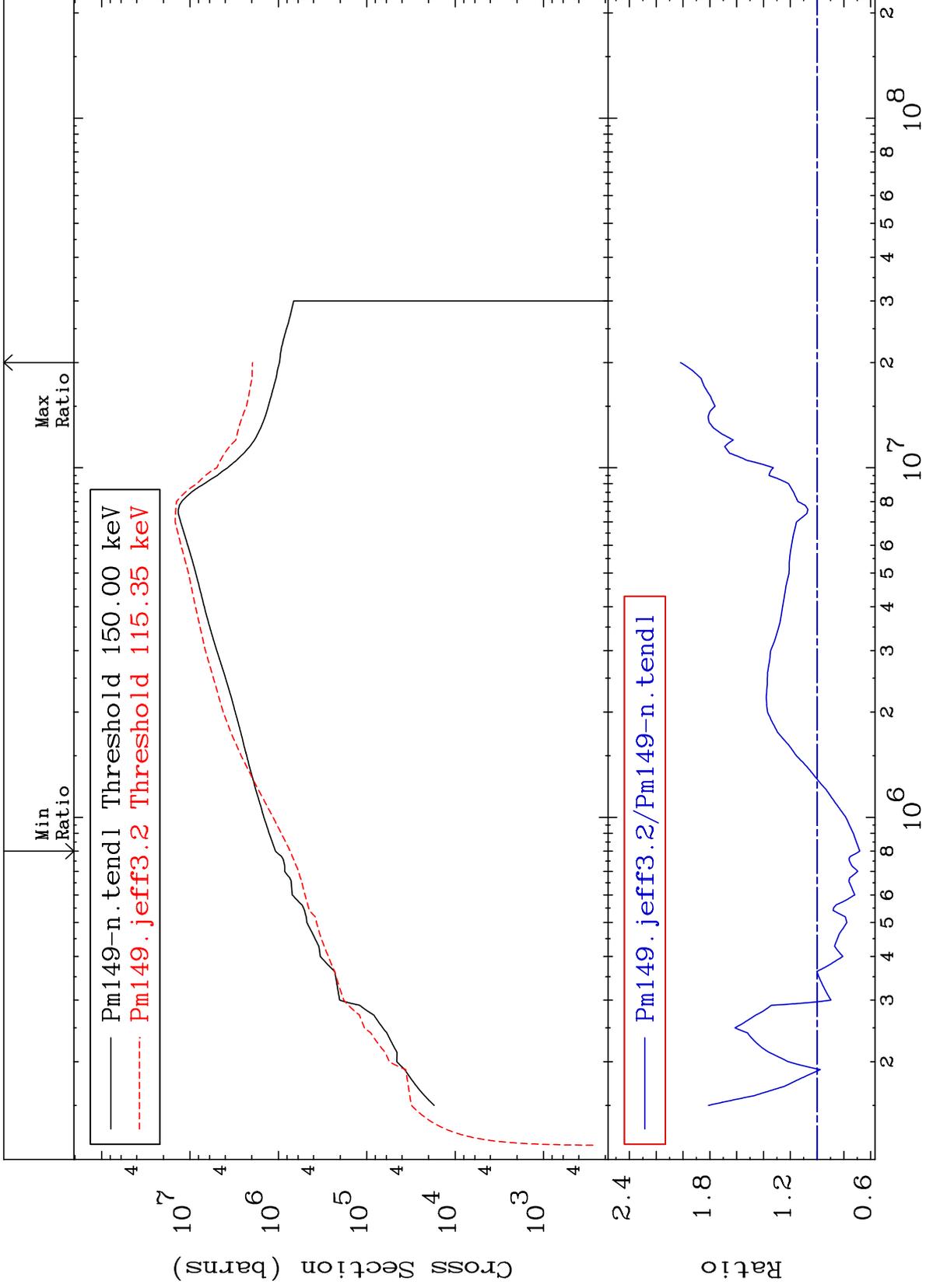
-66.62 To 135.0 %

Cross Section





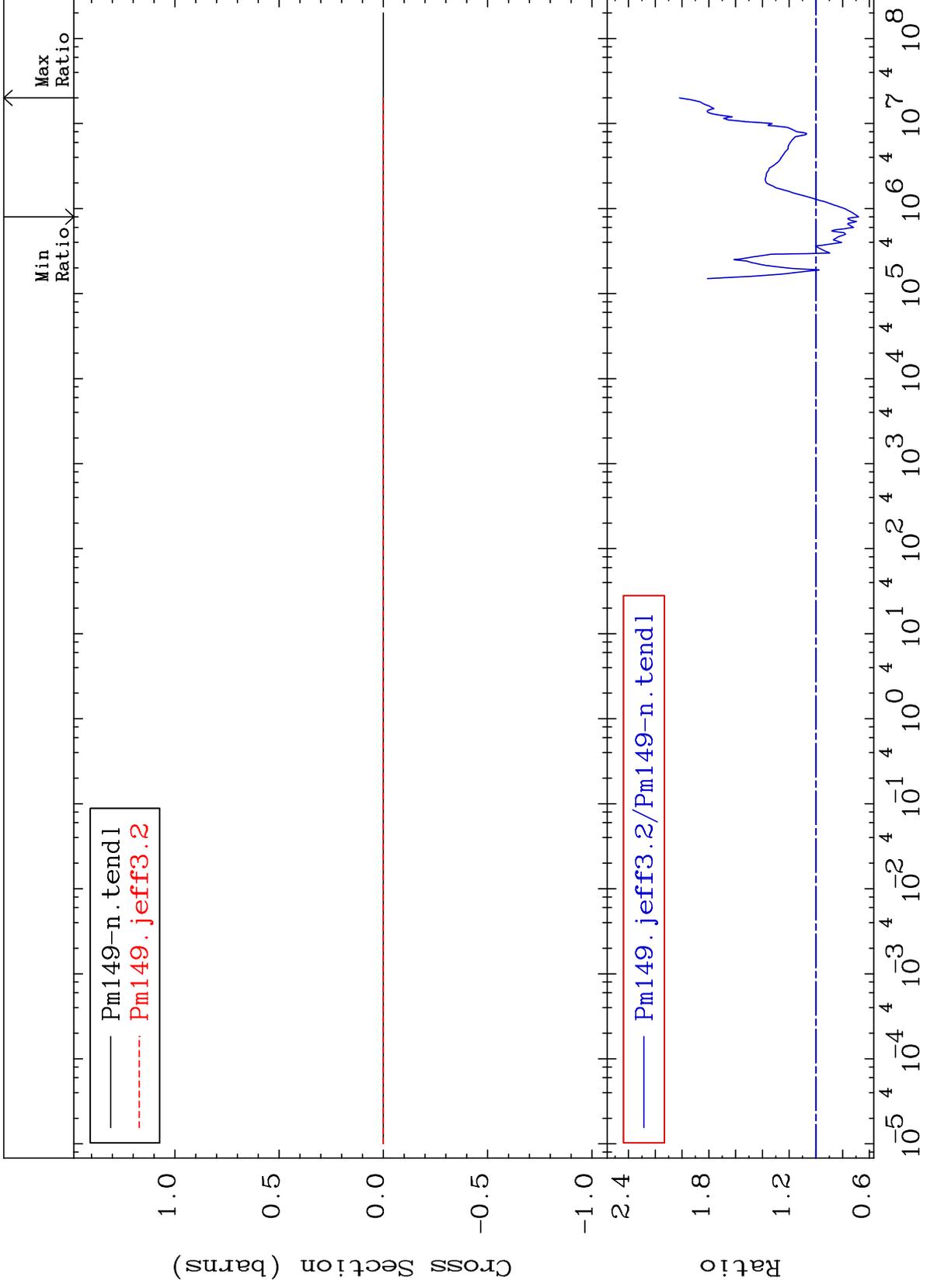




MAT 6155

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

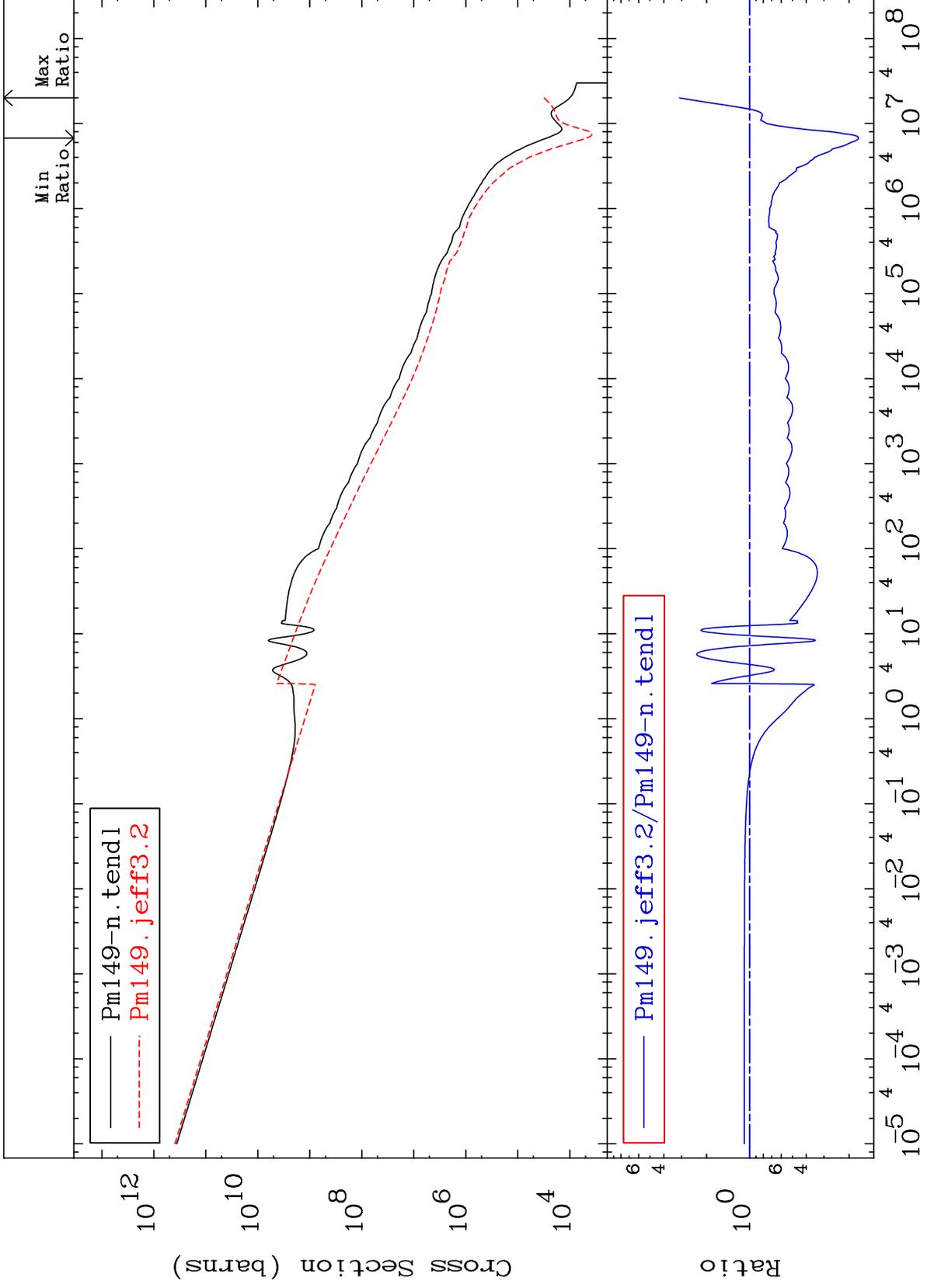
61-Pm-149  
-31.85 To 101.9 %



MAT 6155

Kerma capture (mt102)  
Cross Section

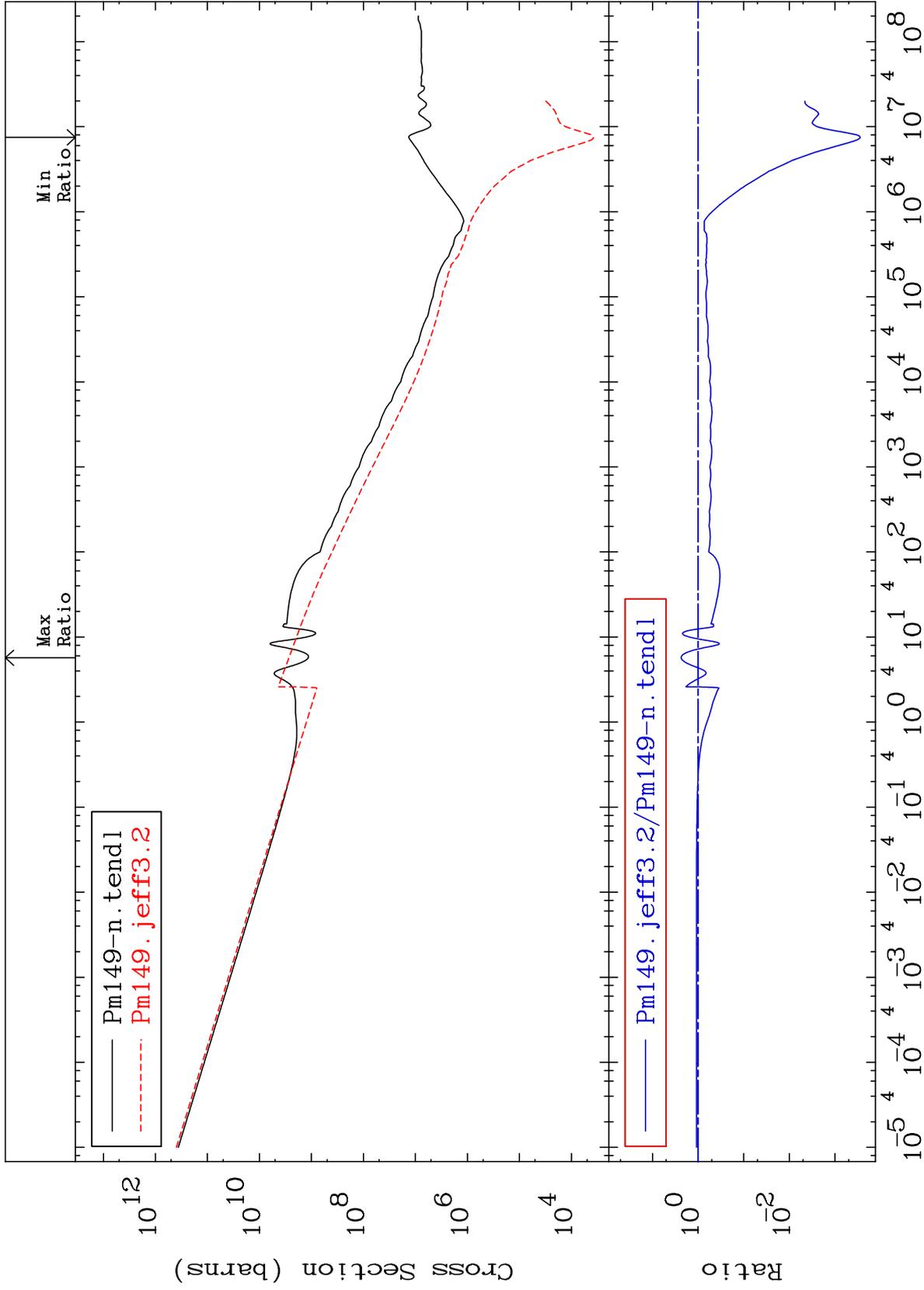
61-Pm-149  
-82.83 To 210.0 %



MAT 6155

Total photon (eV-barns)  
Cross Section

61-Pm-149  
-99.97 To 135.0 %



40

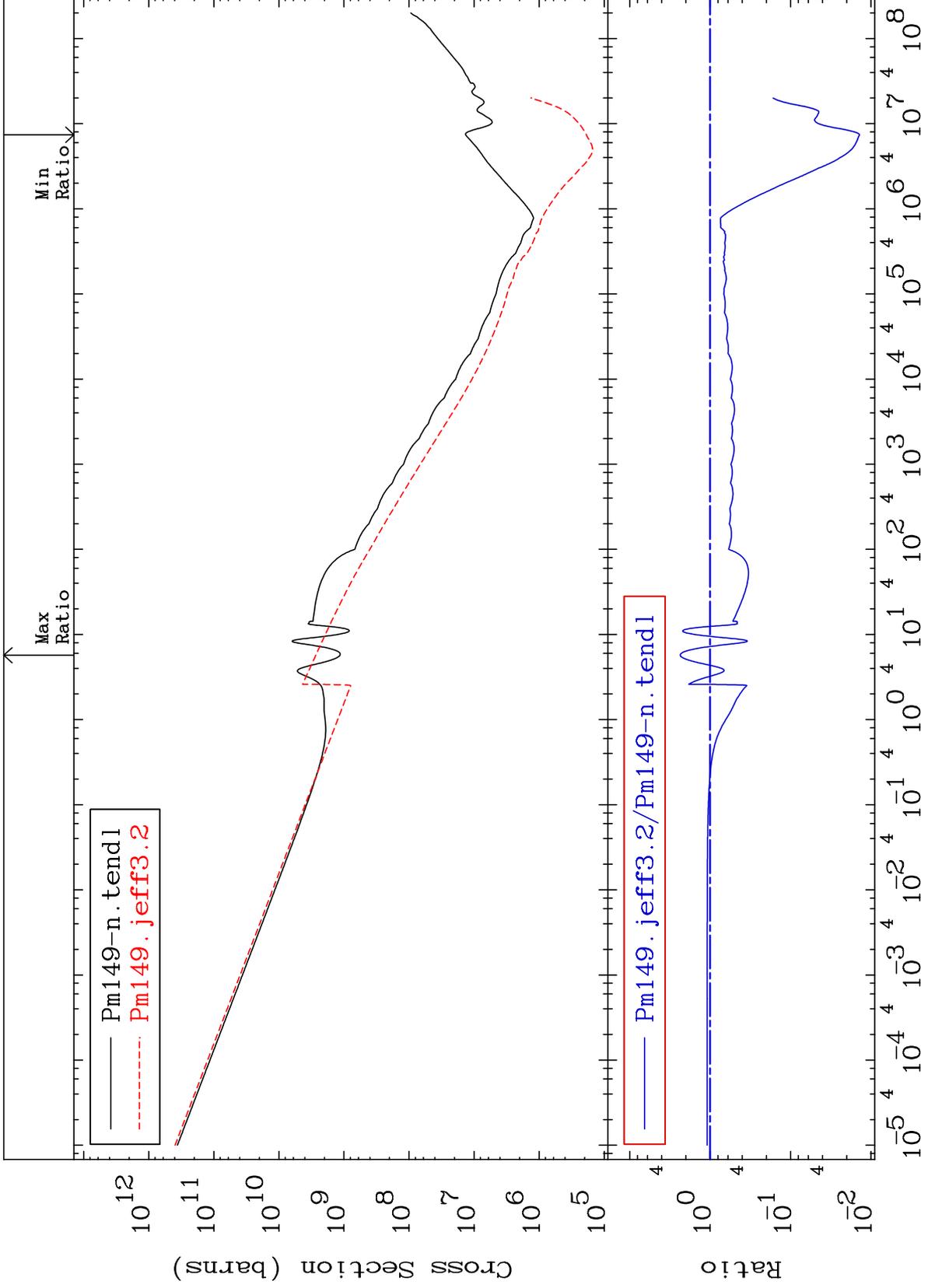
Incident Energy (eV)

61-Pm-149

MAT 6155

Total kinematic kerma (high limit)  
Cross Section

61-Pm-149  
-98.61 To 135.0 %



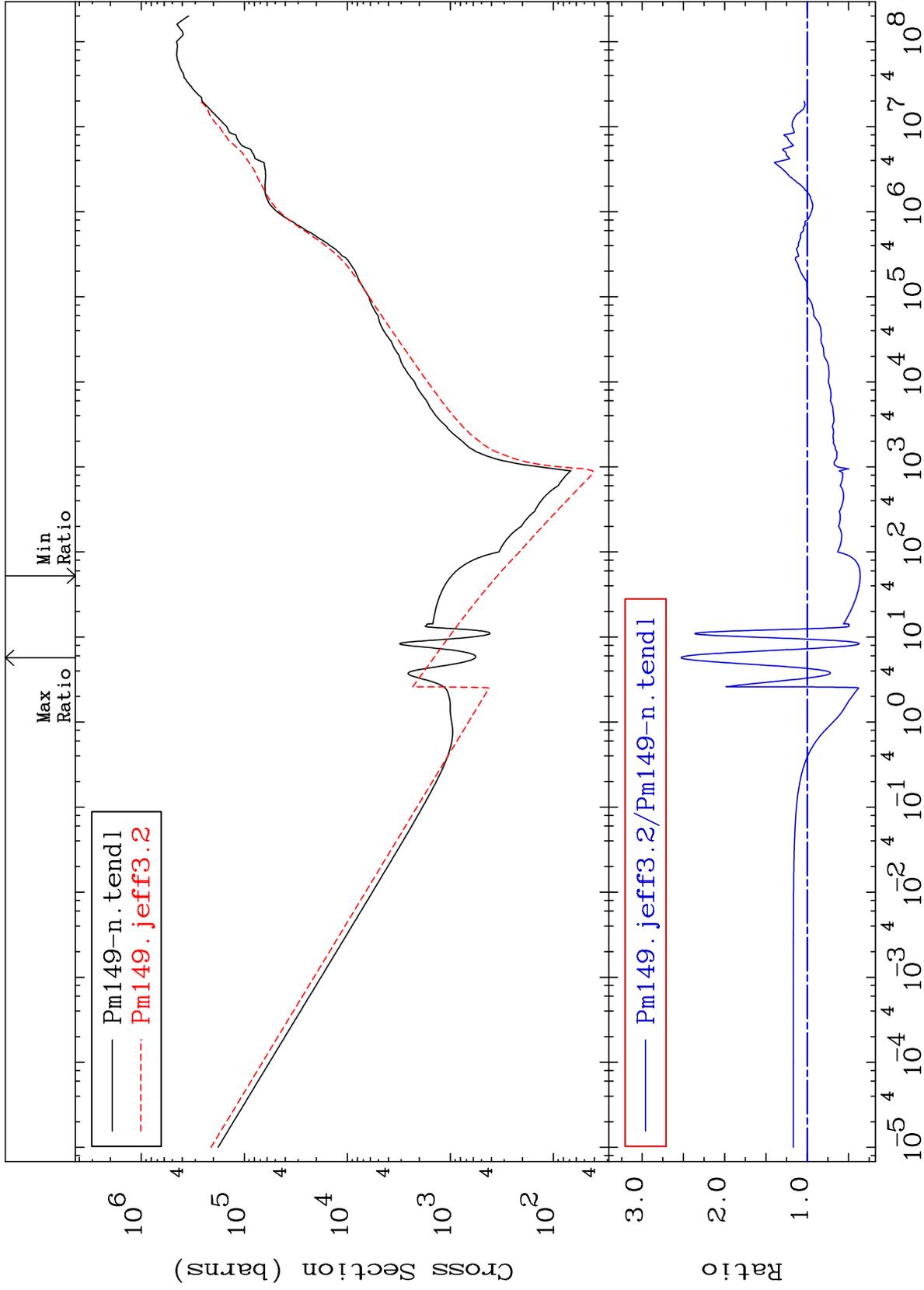
MAT 6155

Dpa total (eV-barns)

61-Pm-149

Cross Section

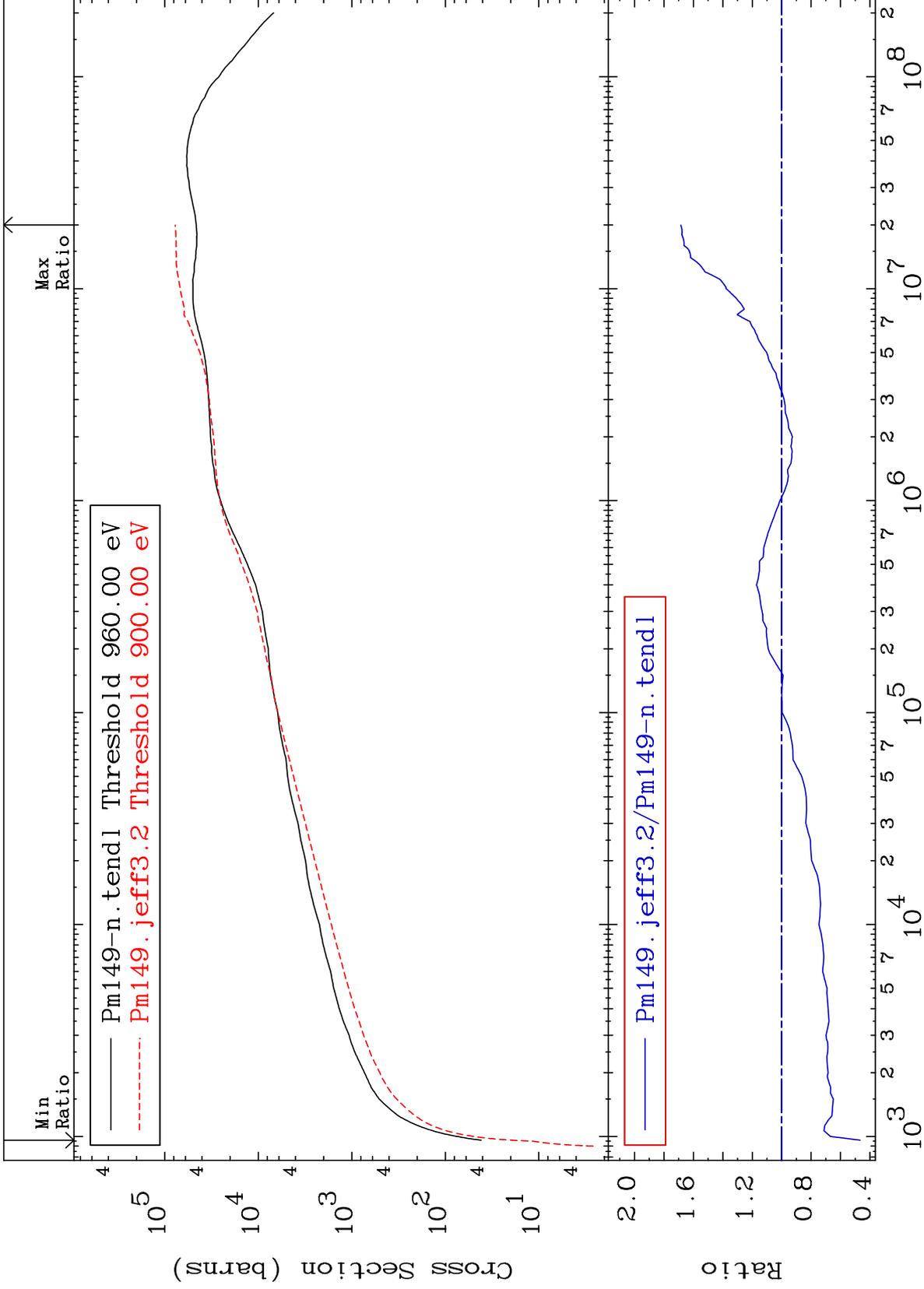
-64.08 To 152.8 %



MAT 6155

Dpa elastic (mt2)  
Cross Section

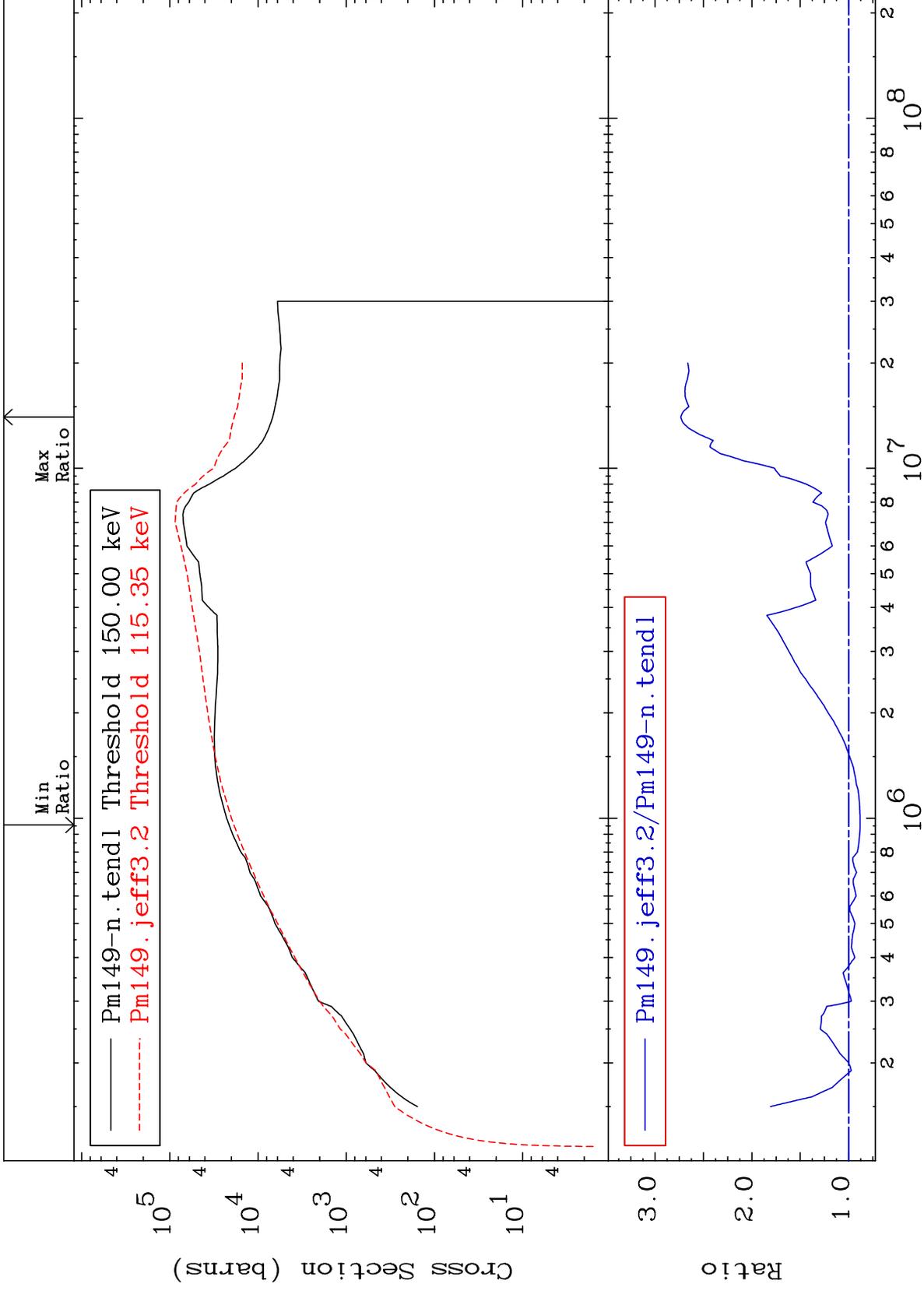
61-Pm-149  
-53.29 To 68.58 %



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Incident Energy (eV)

61-Pm-149



MAT 6155

Dpa disappearance (mt102 -120)  
Cross Section

61-Pm-149  
-64.08 To 336.6 %

