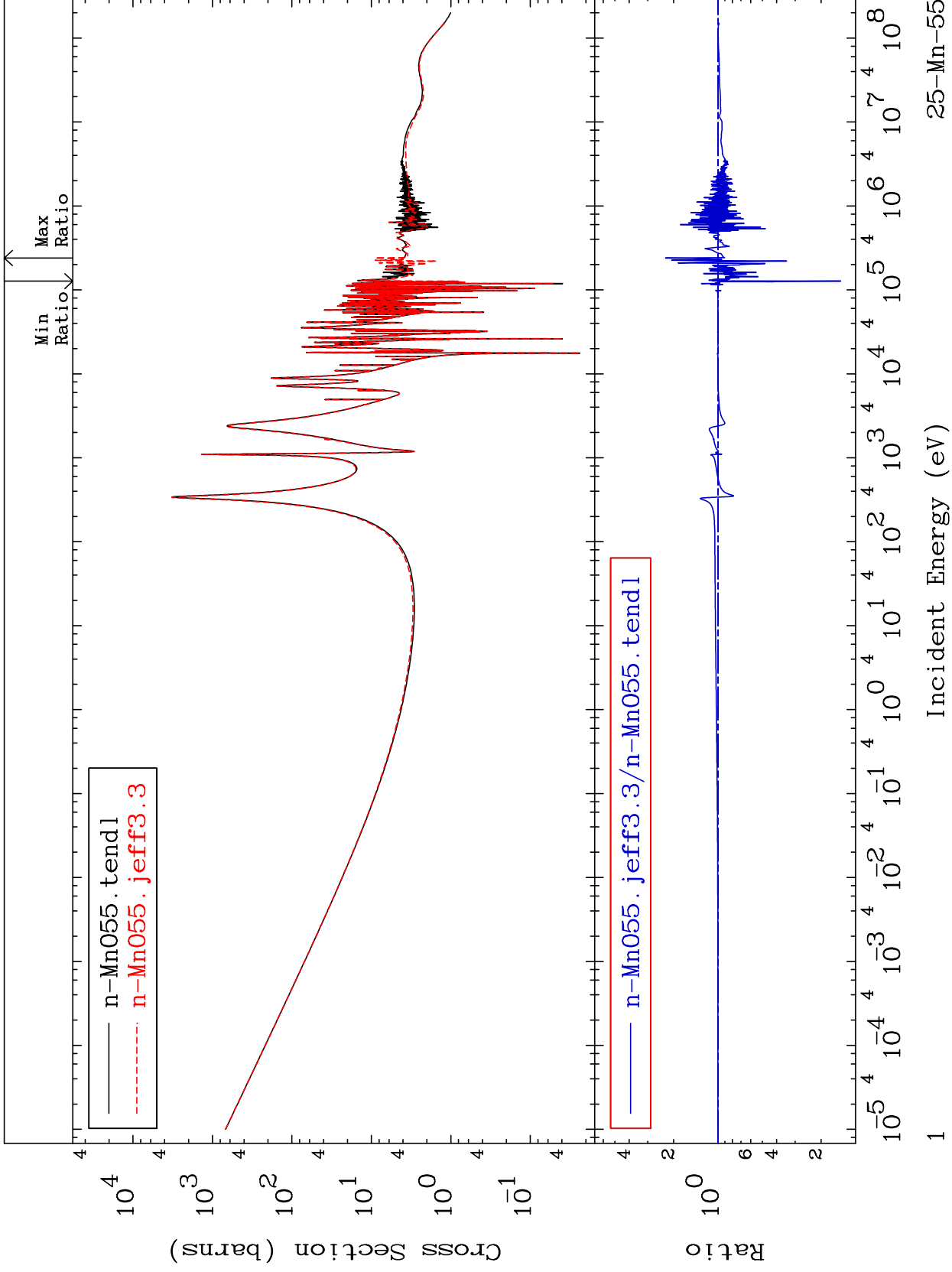


MAT 2525

Total
Cross Section

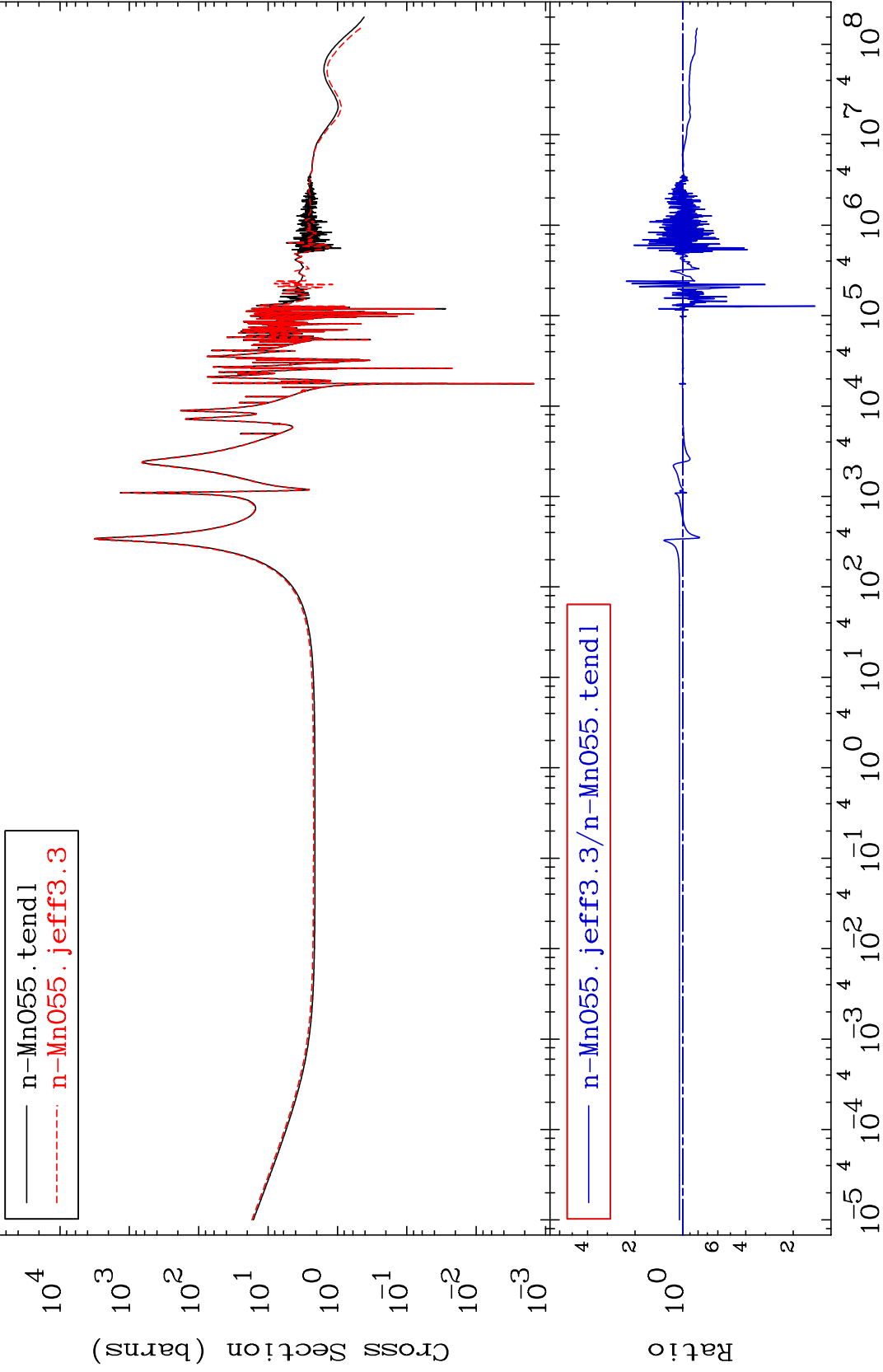
25-Mn-55
-85.26 To 126.9 %



MAT 2525

Elastic
Cross Section

25-Mn-55
-85.41 To 127.5 %



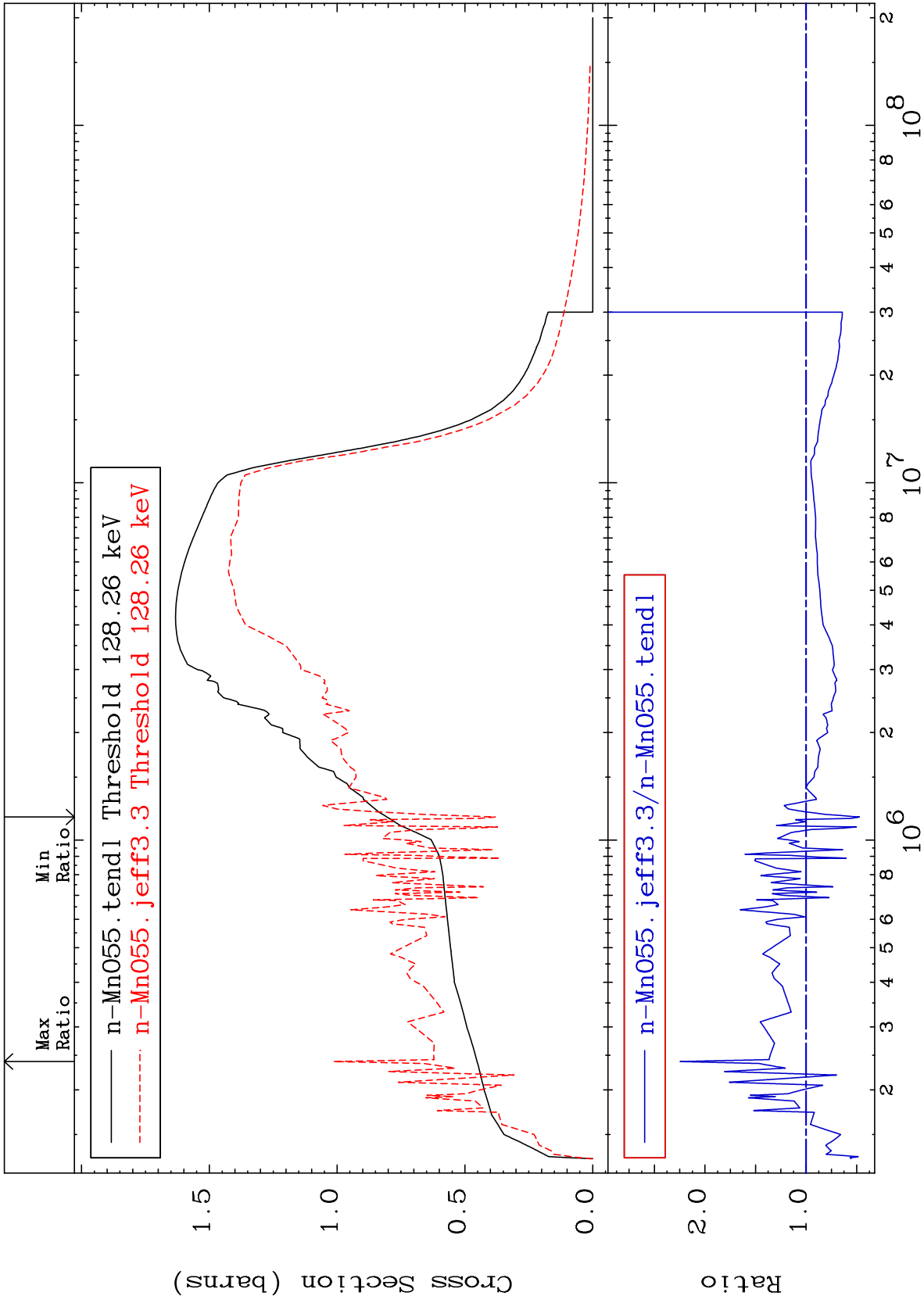
Incident Energy (eV)

25-Mn-55

MAT 2525

Inelastic
Cross Section

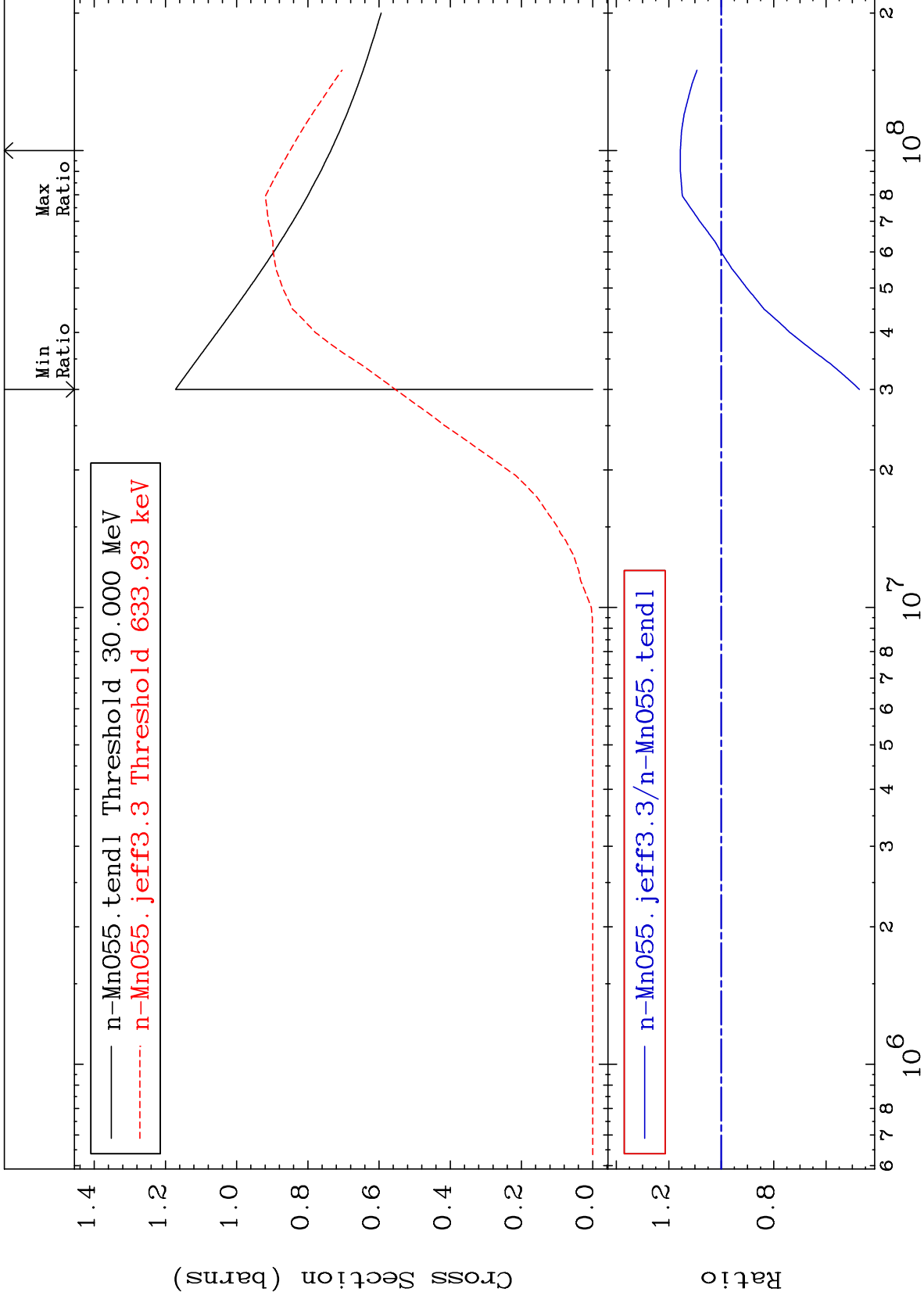
²⁵Mn-55
-52.65 To 124.3 %



MAT 2525

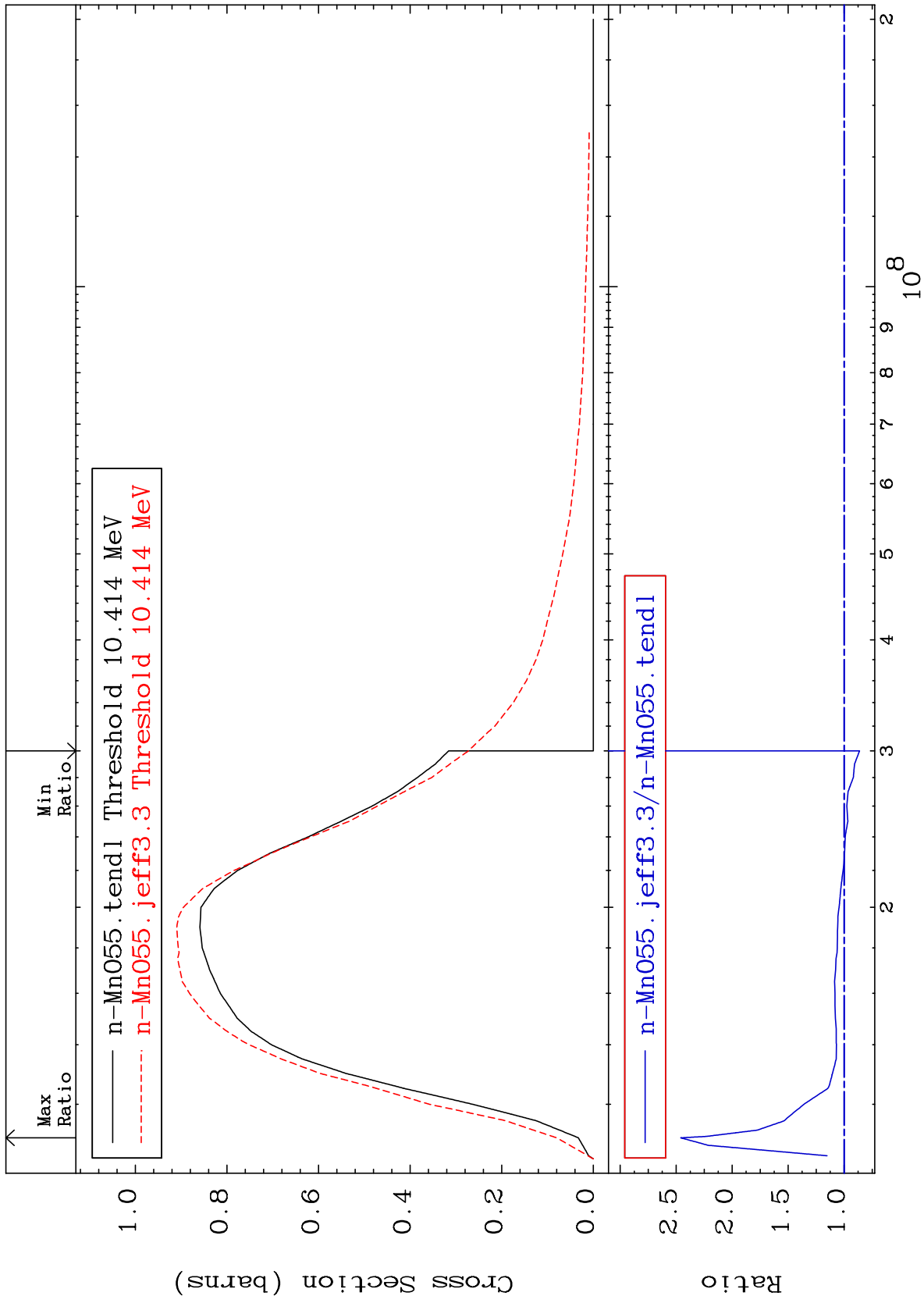
(n, remainder)
Cross Section

25-Mn-55
-52.70 To 15.58 %



Incident Energy (eV)

25-Mn-55



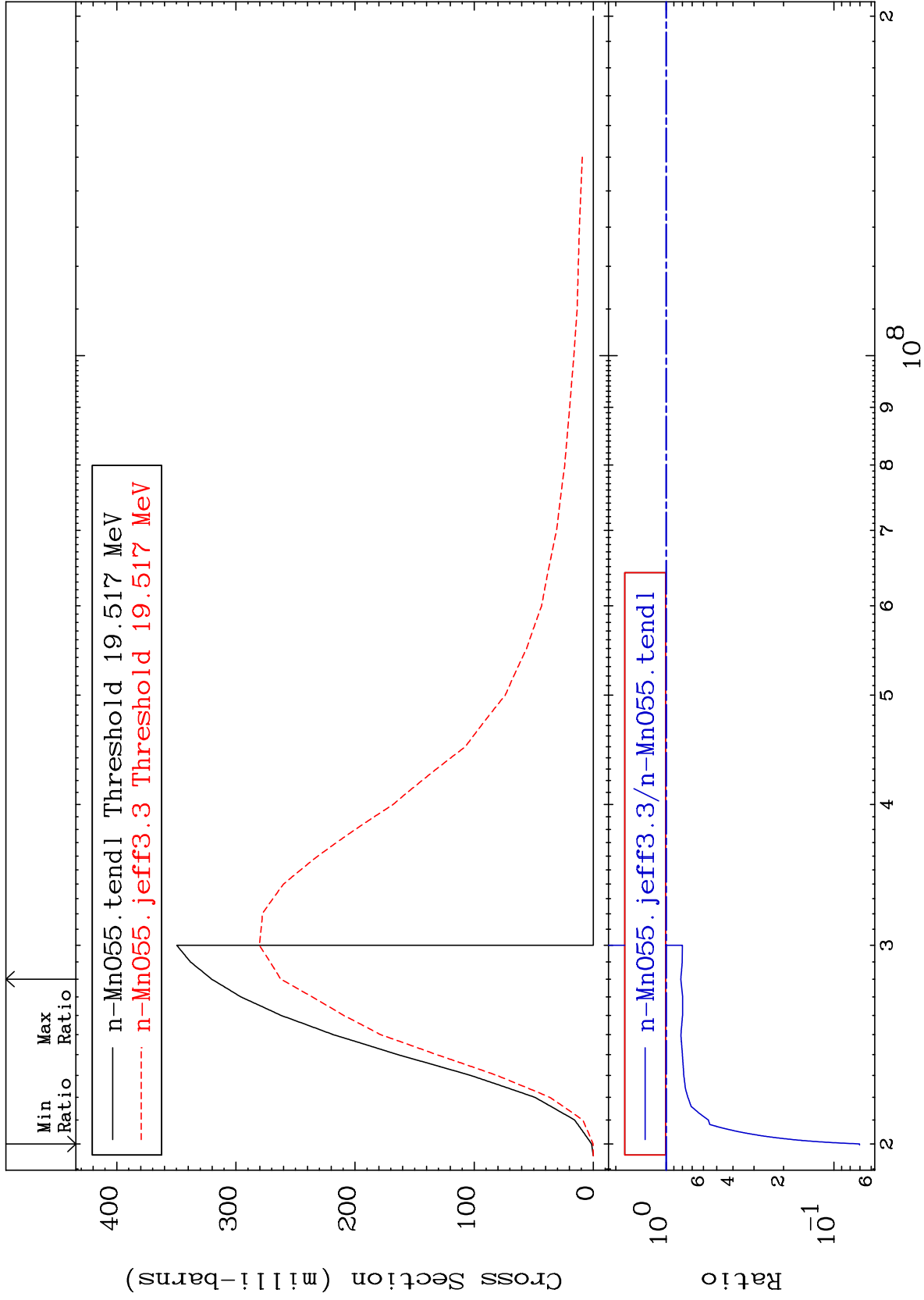
MAT 2525

(n,3n)

²⁵Mn-55

Cross Section

-92.96 To -18.12%



6

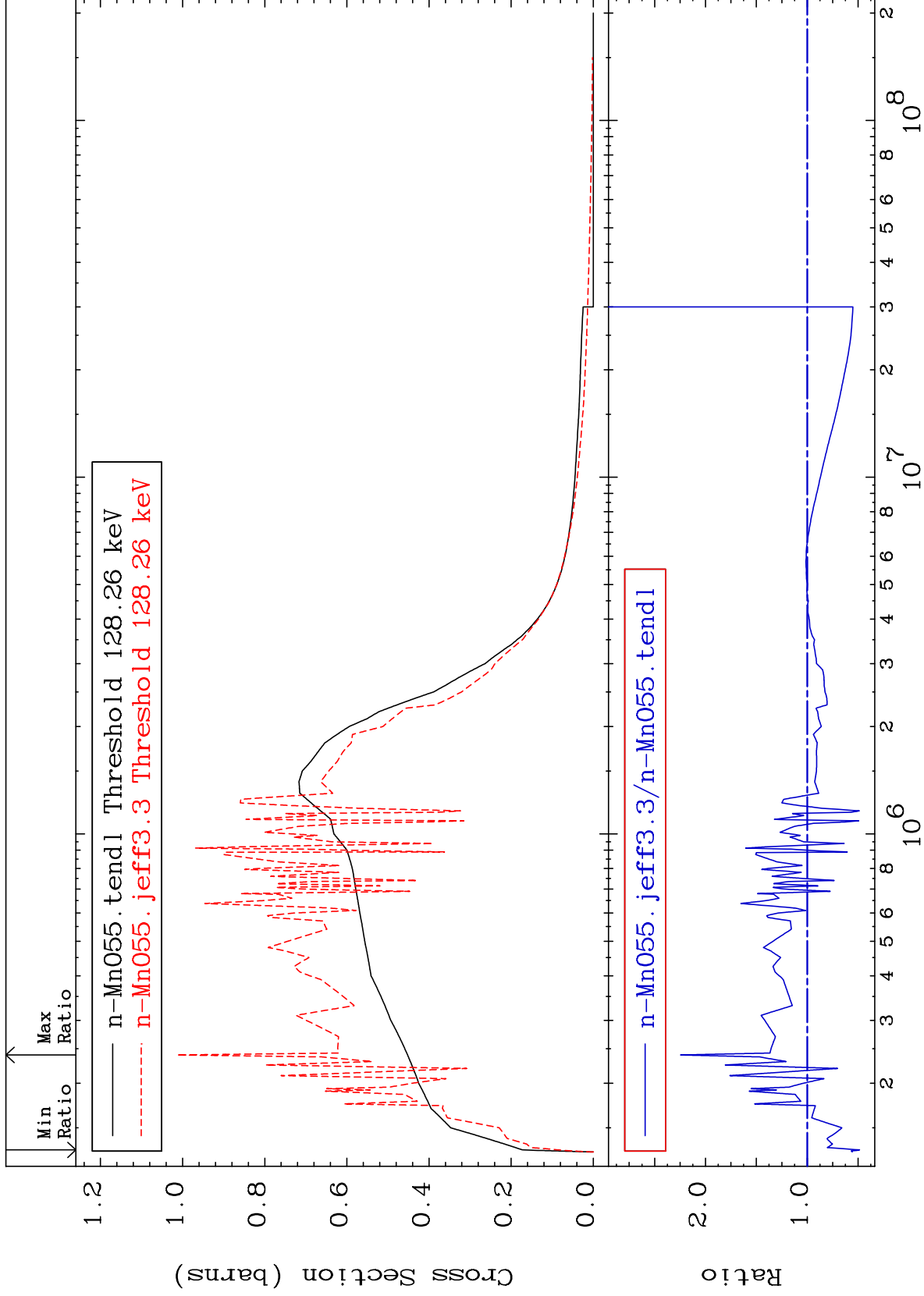
Incident Energy (eV)

²⁵Mn-55

MAT 2525

MT= 51 (n,n') Level
Cross Section

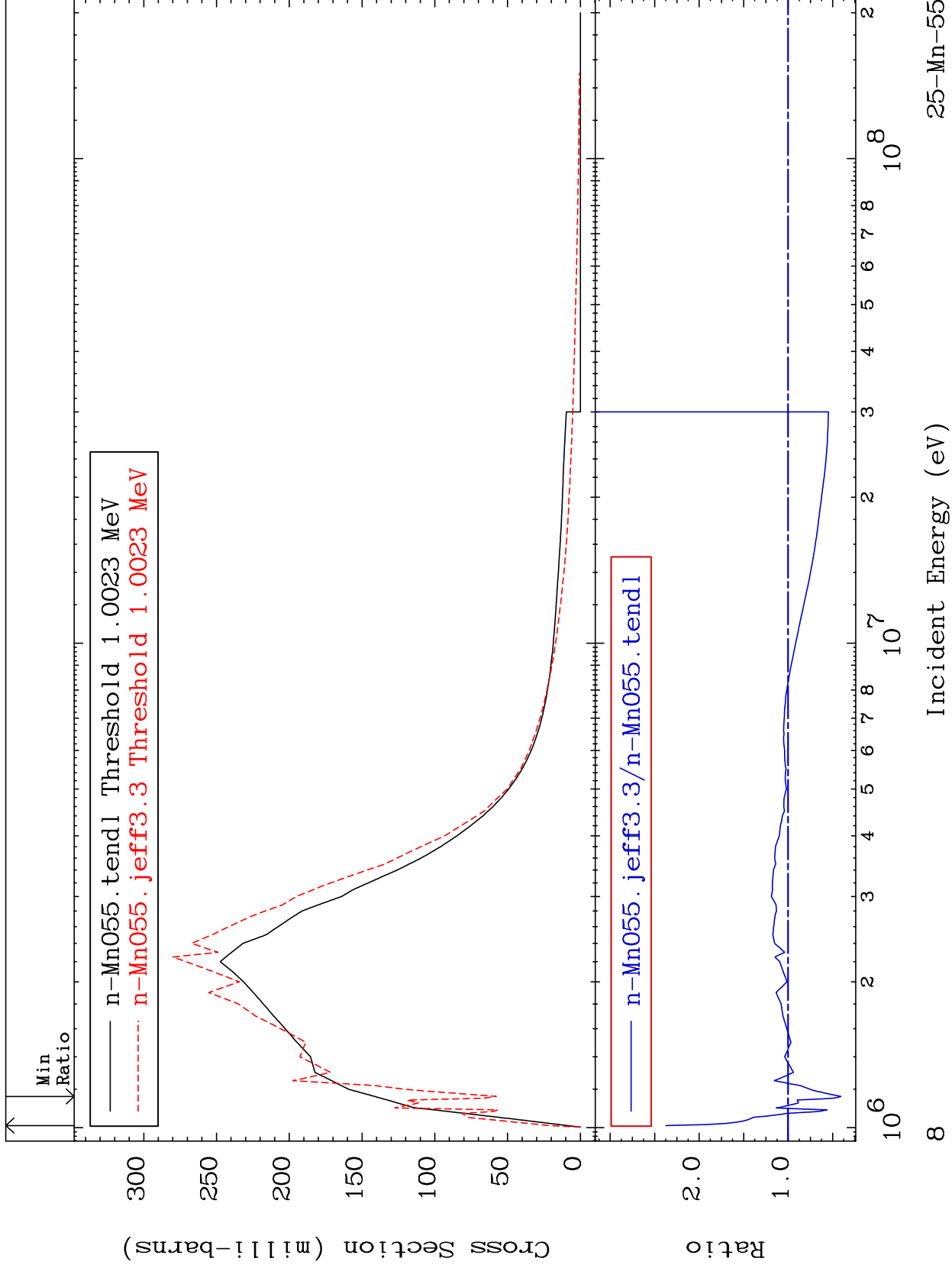
25-Mn-55
-51.43 To 124.3 %



MAT 2525

MT= 52 (n,n') Level
Cross Section

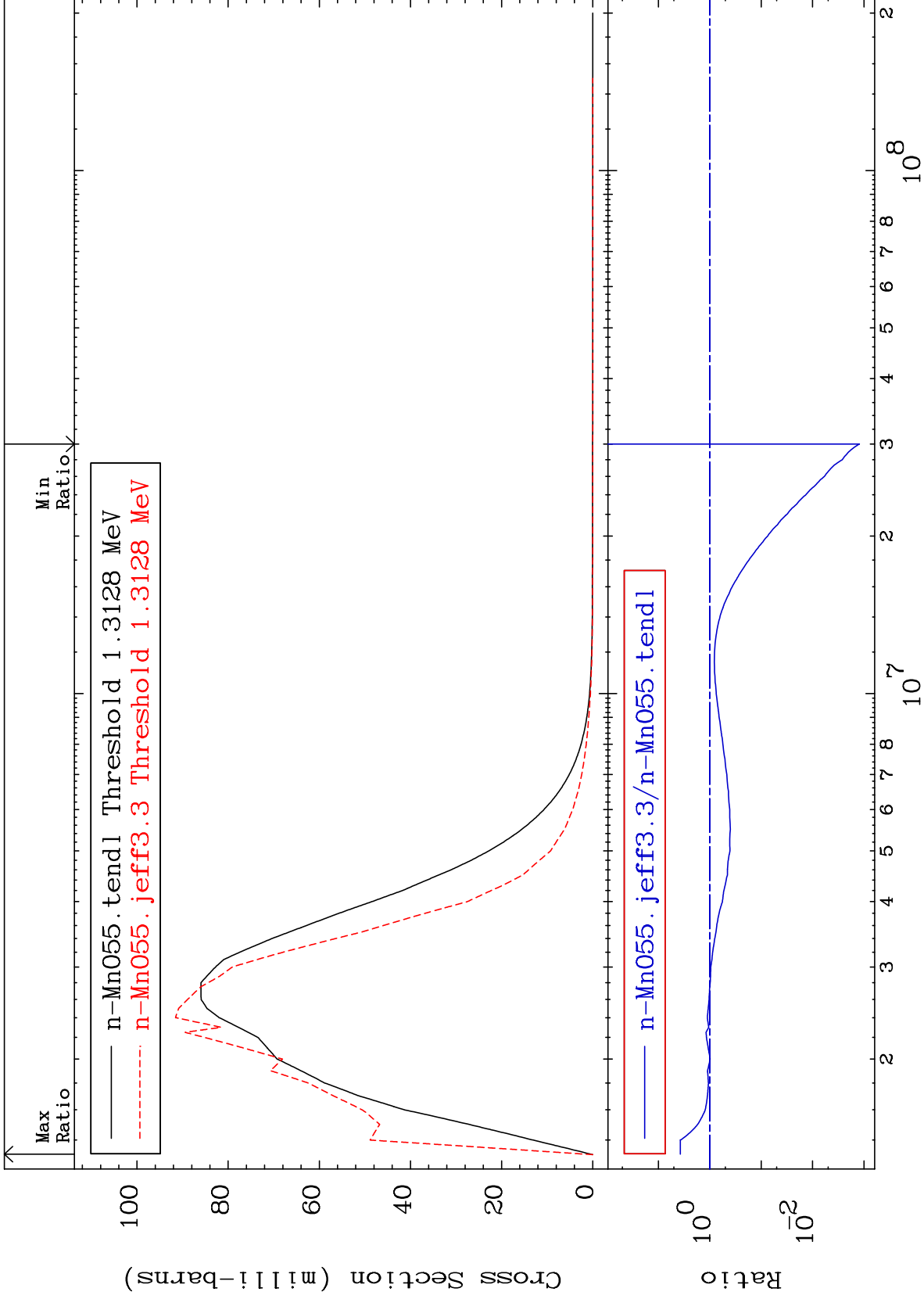
25-Mn-55
-59.21 To 137.3 %



MAT 2525

MT= 53 (n,n') Level
Cross Section

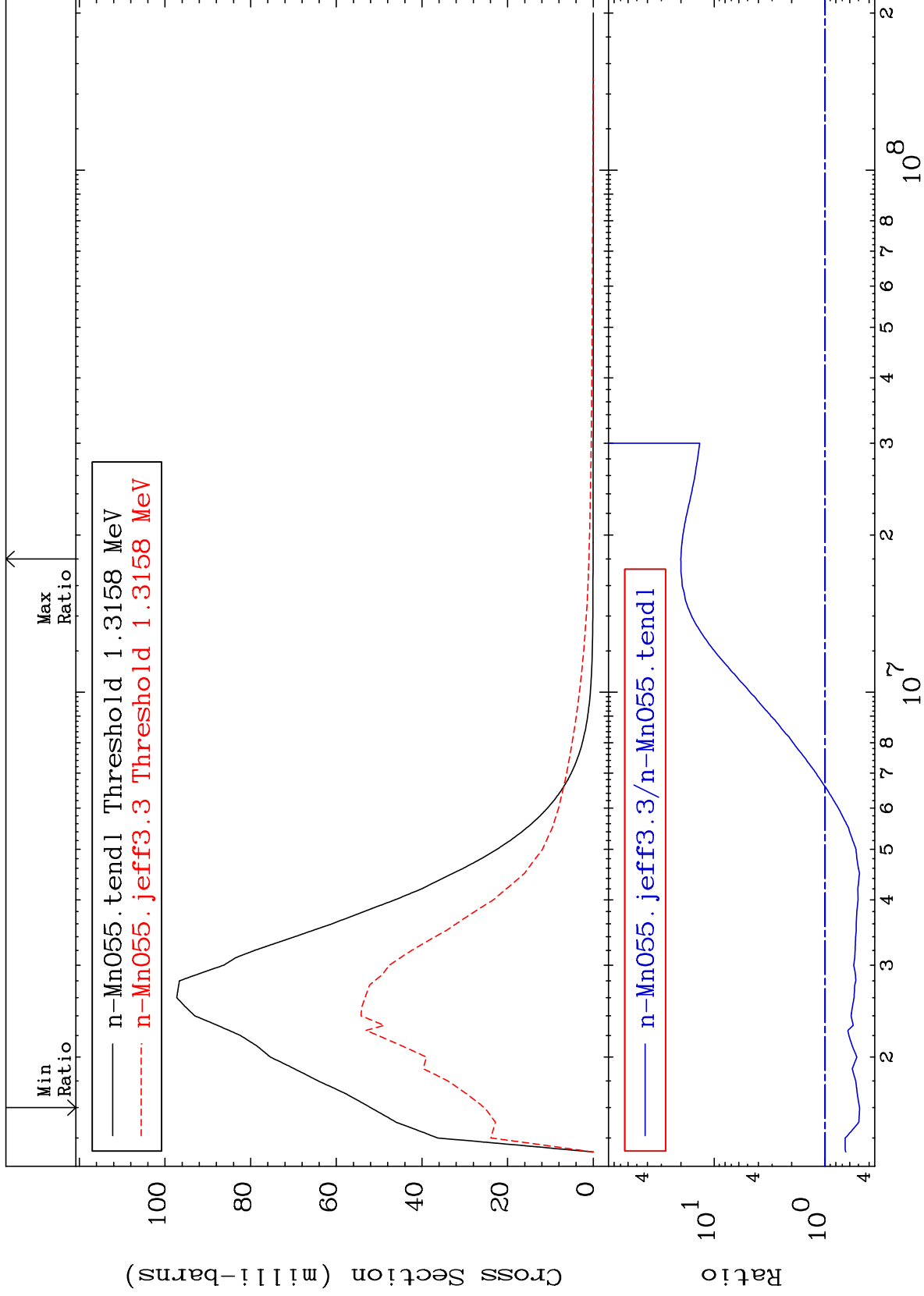
25-Mn-55
-99.88 To 273.4 %



MAT 2525

MT= 54 (n,n') Level
Cross Section

25-Mn-55
-51.11 To 1904. %



10

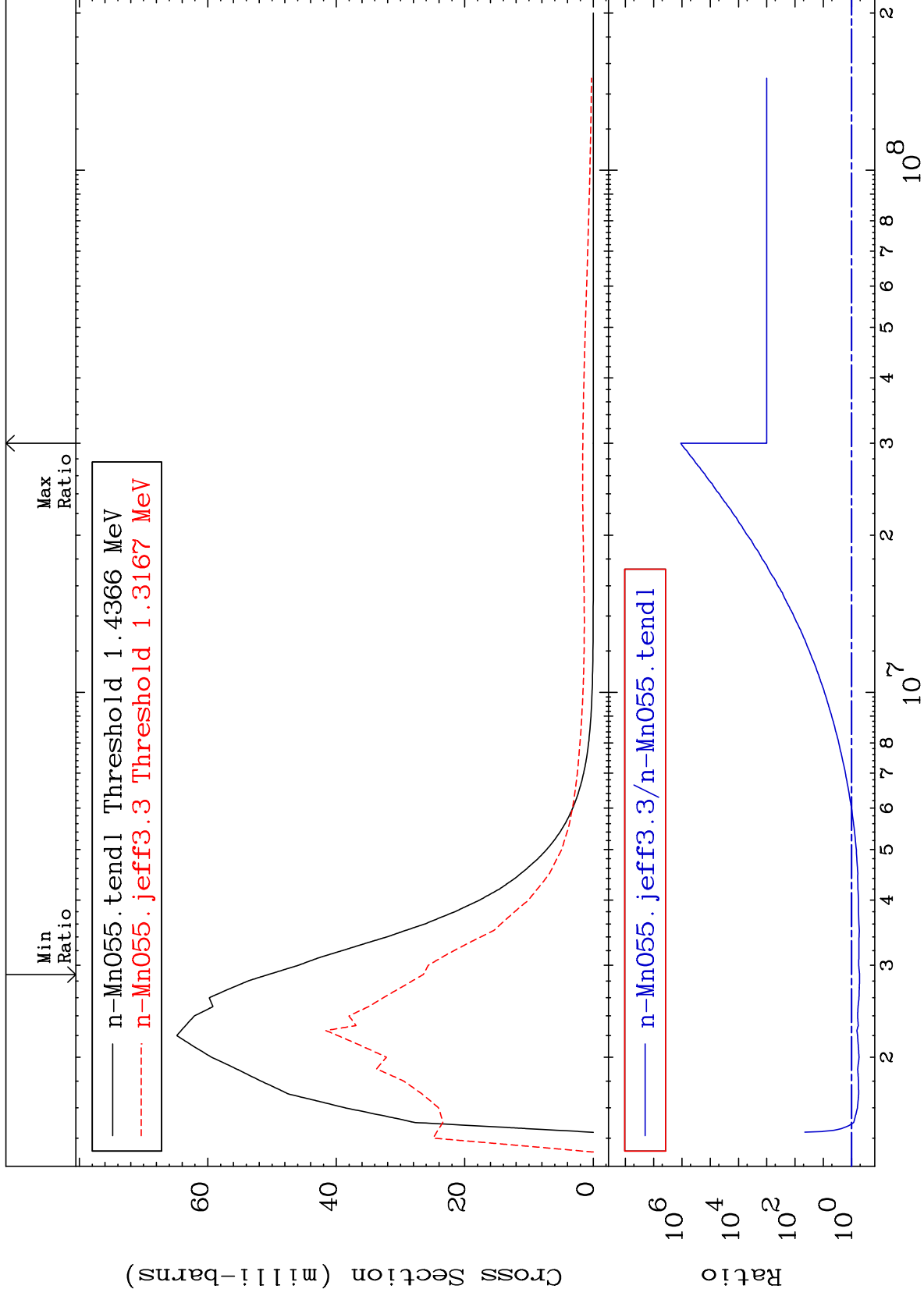
Incident Energy (eV)

25-Mn-55

MAT 2525

MT= 55 (n,n') Level
Cross Section

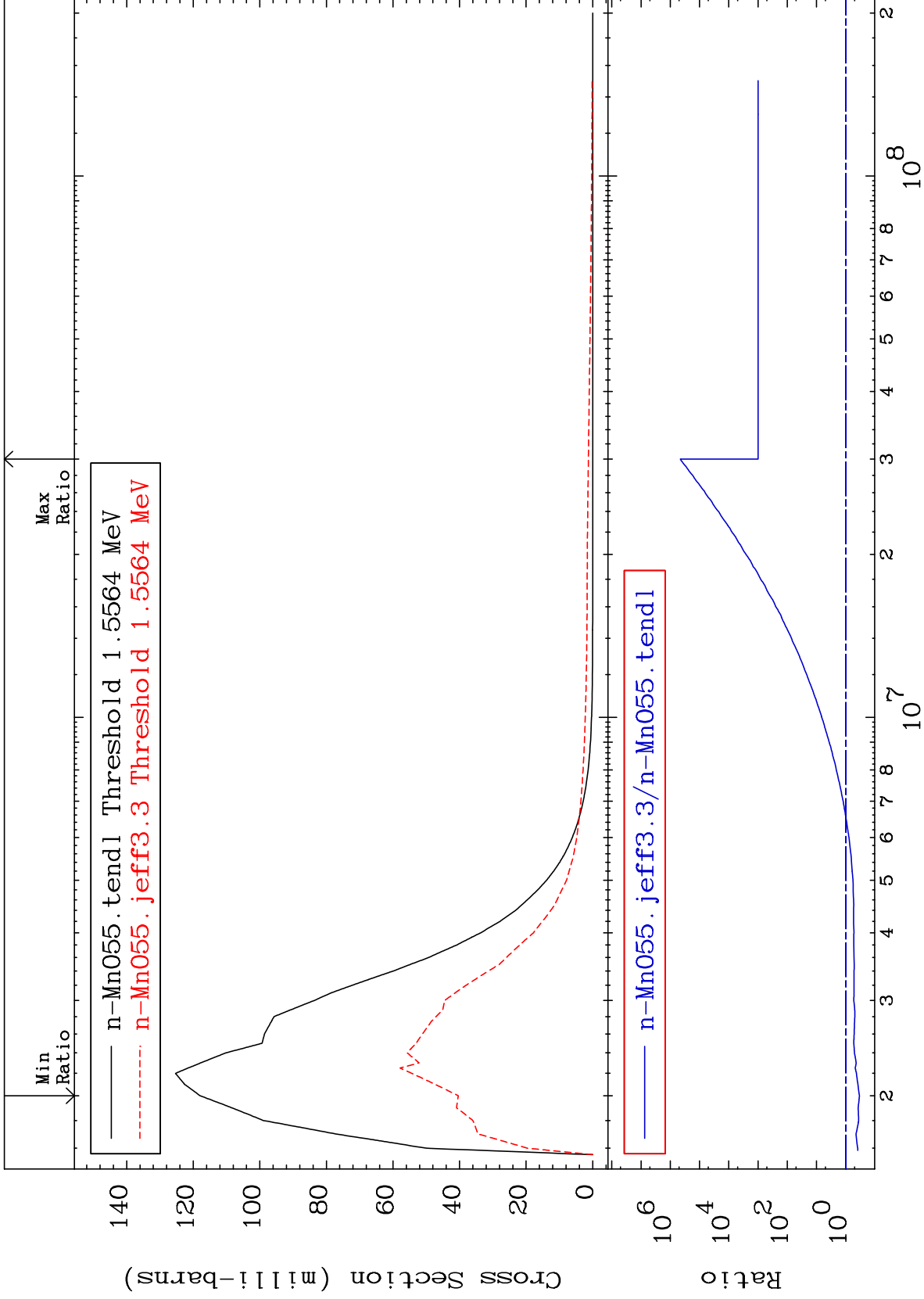
25-Mn-55
-47.71 To 9999. %



MAT 2525

MT= 56 (n,n') Level
Cross Section

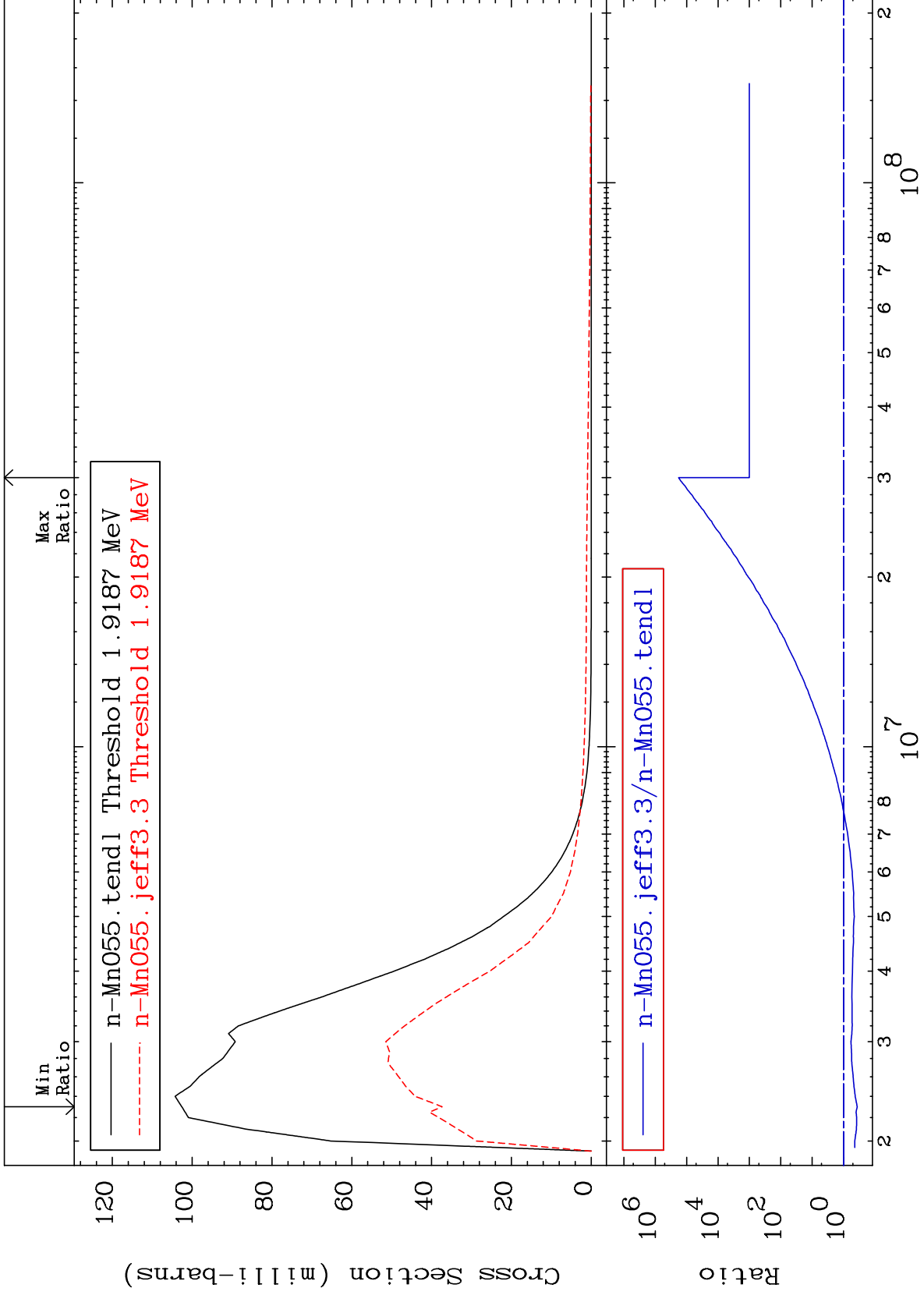
25-Mn-55
-65.75 To 9999. %



MAT 2525

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

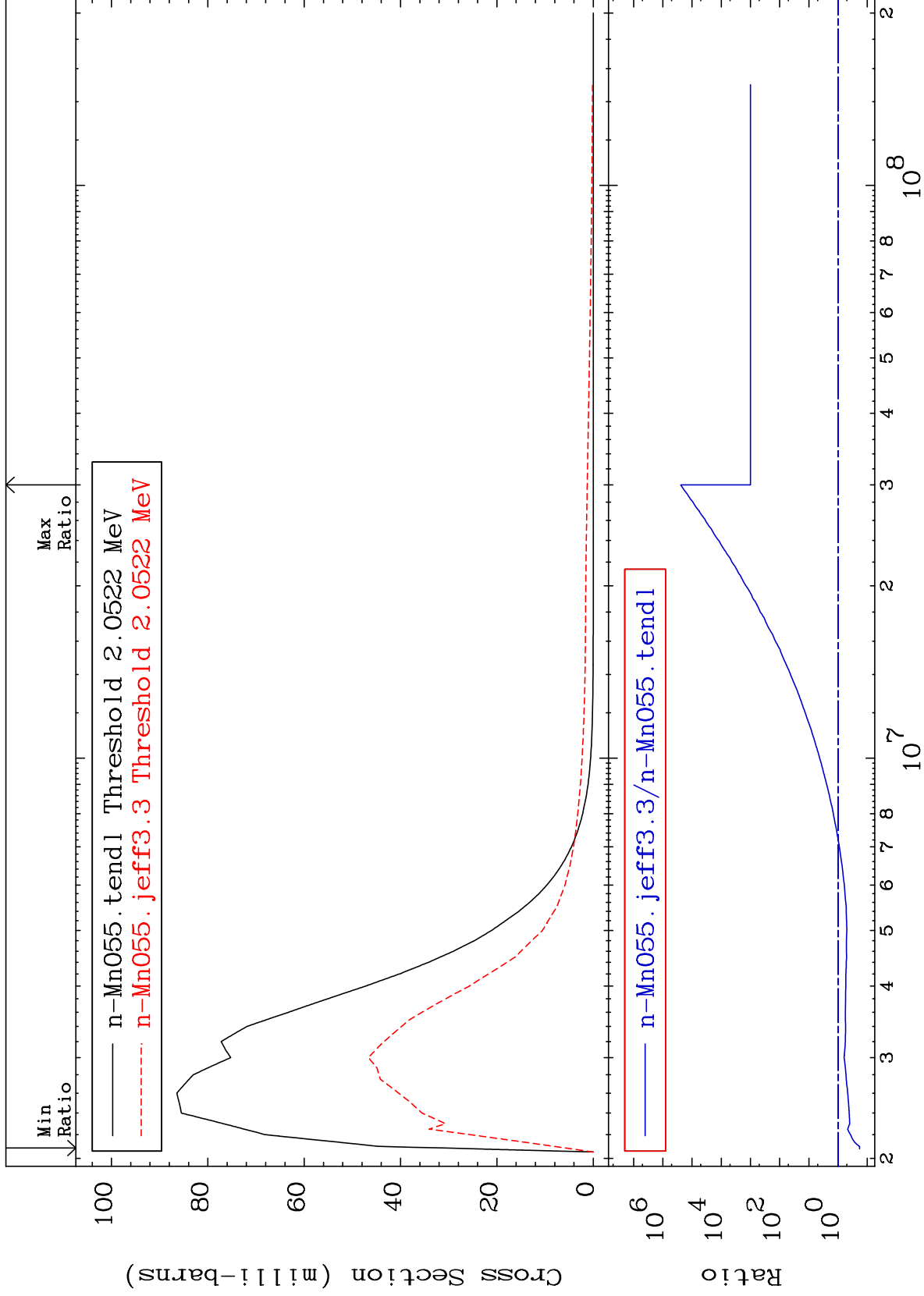
25-Mn-55
-63.61 To 9999. %



MAT 2525

MT= 58 (n,n') Level
Cross Section

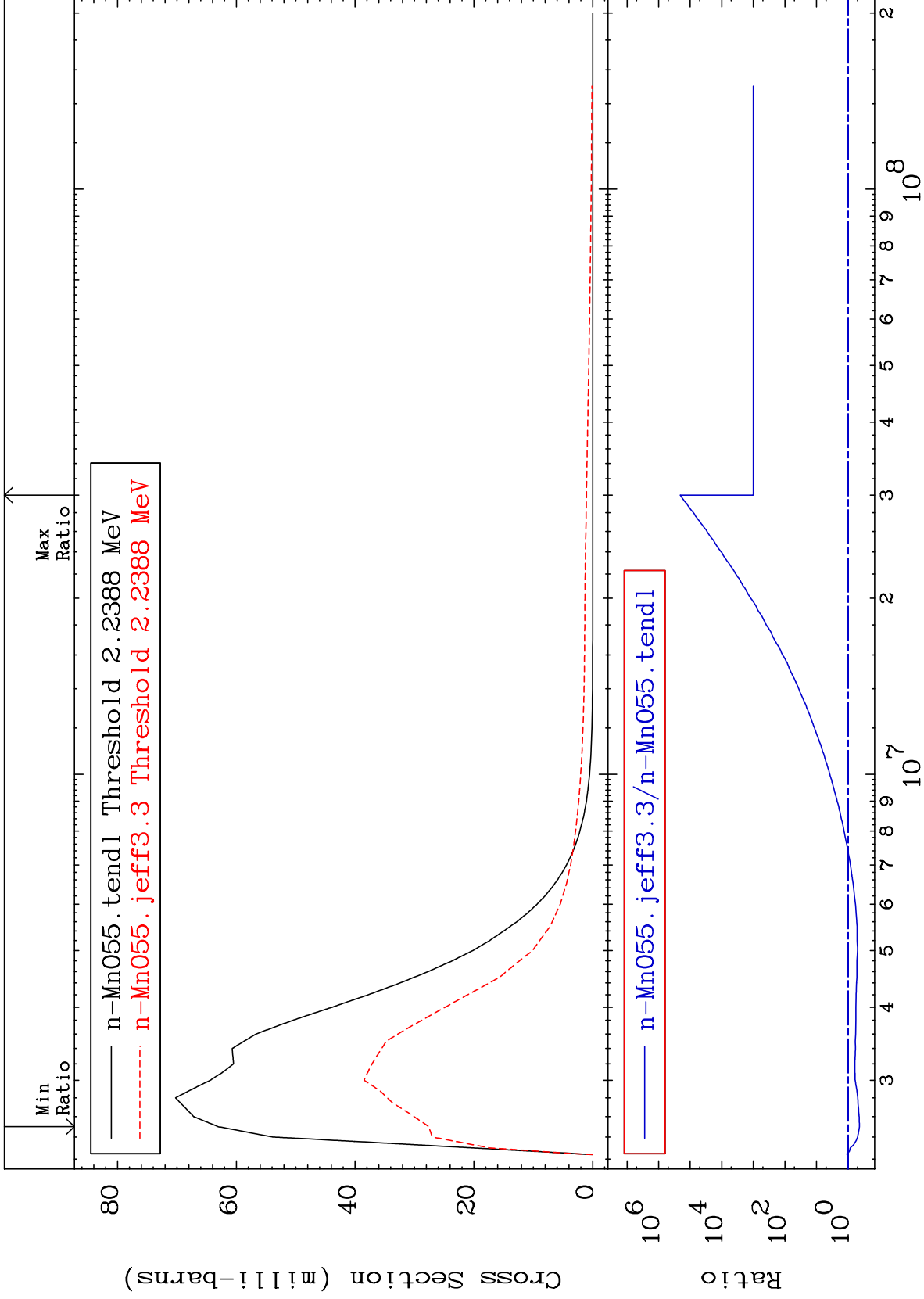
25-Mn-55
-81.57 To 9999. %



MAT 2525

MT= 59 (n,n') Level
Cross Section

25-Mn-55
-56.23 To 9999. %



15

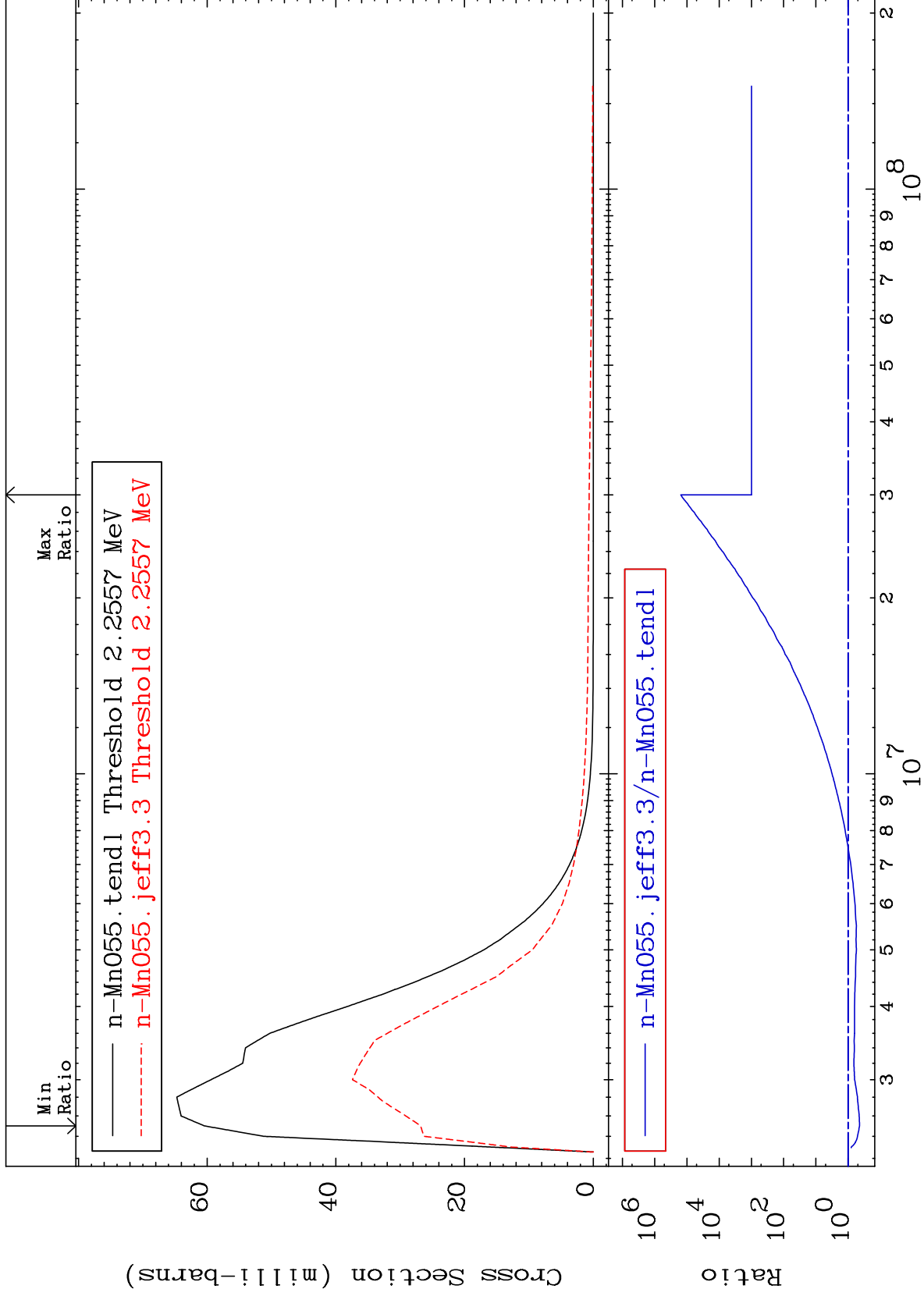
Incident Energy (eV)

25-Mn-55

MAT 2525

MT= 60 (n,n') Level
Cross Section

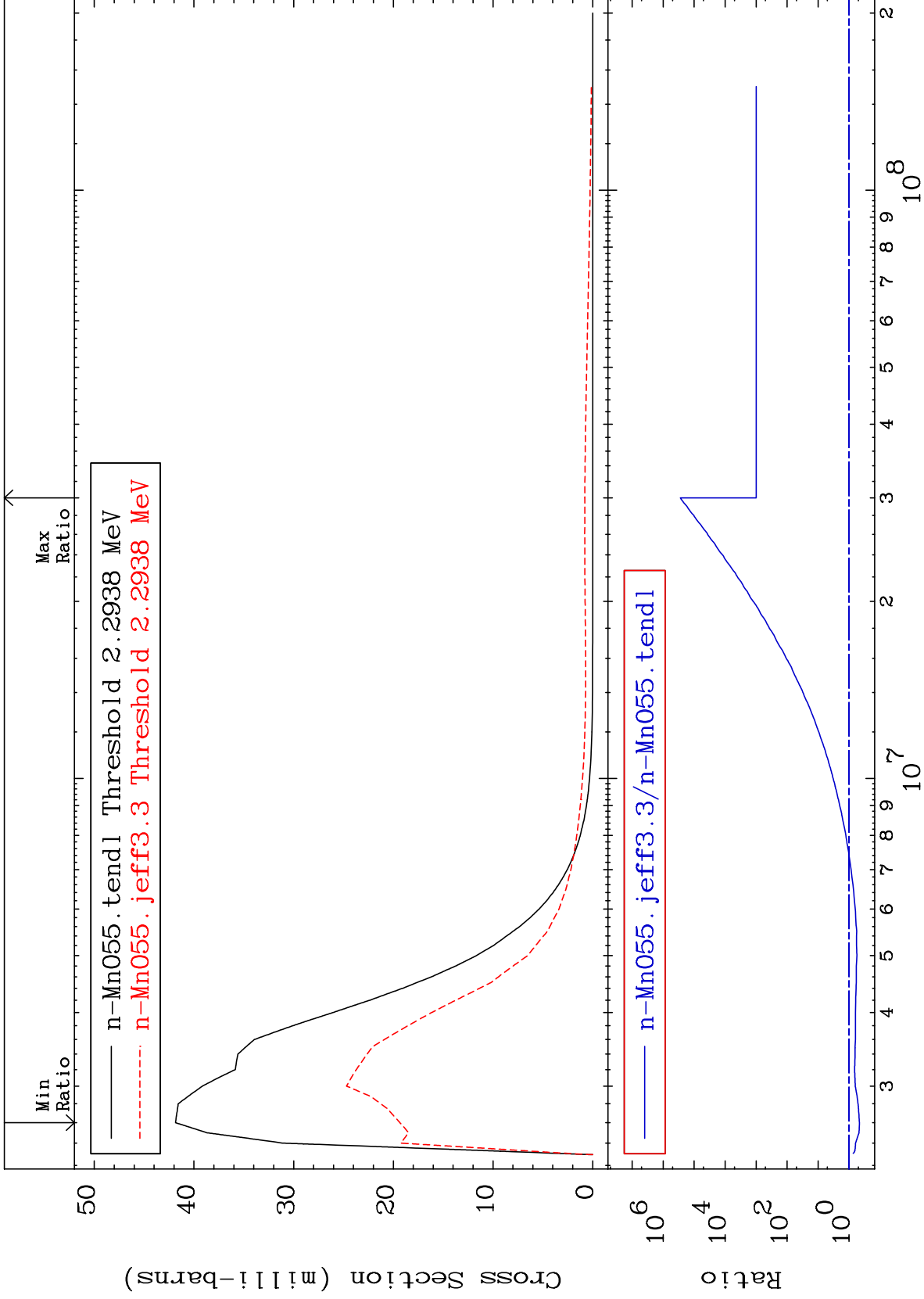
25-Mn-55
-55.62 To 9999. %



MAT 2525

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

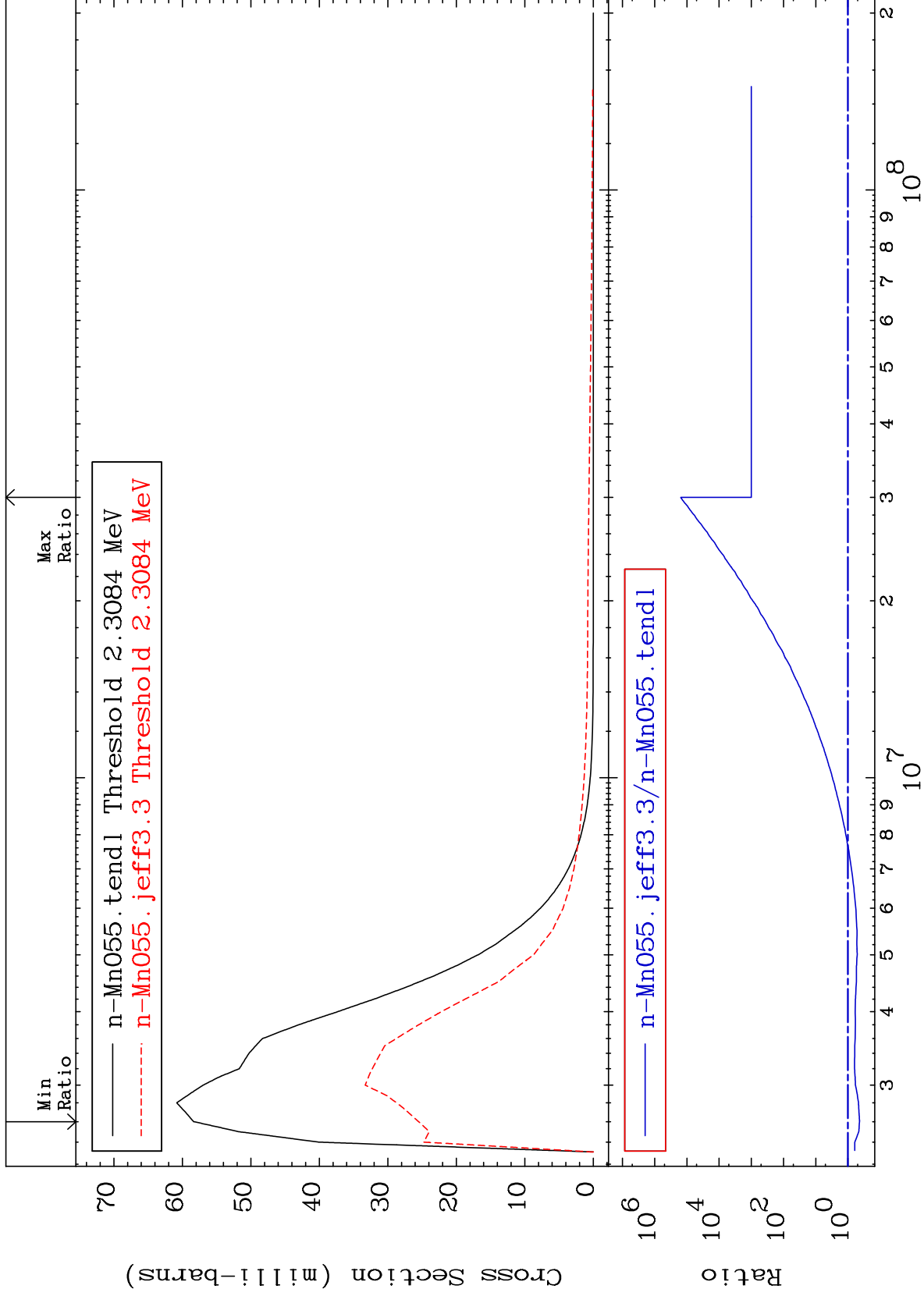
25-Mn-55
-53.79 To 9999. %



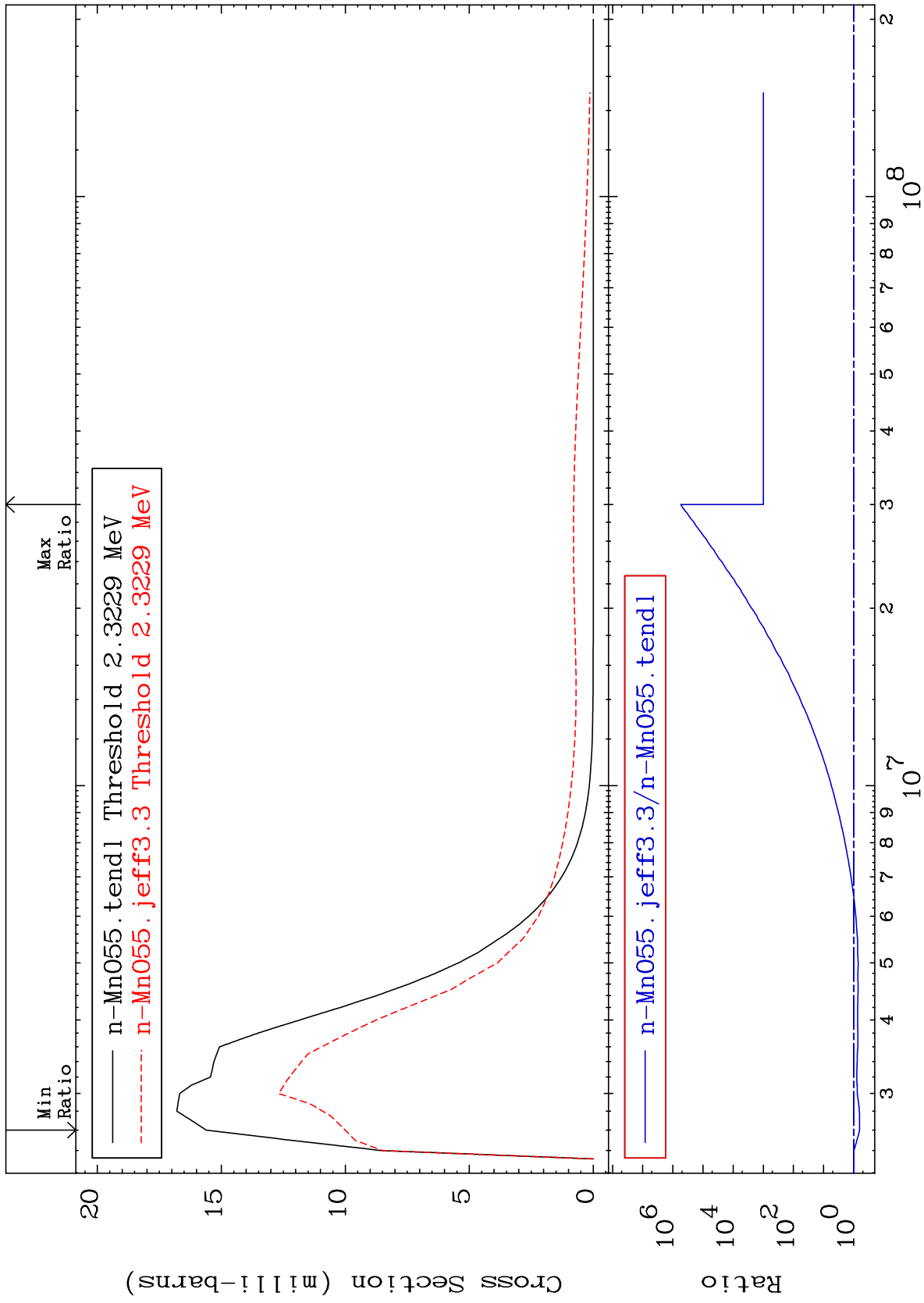
MAT 2525

MT= 62 (n,n') Level
Cross Section

25-Mn-55
-56.28 To 9999. %



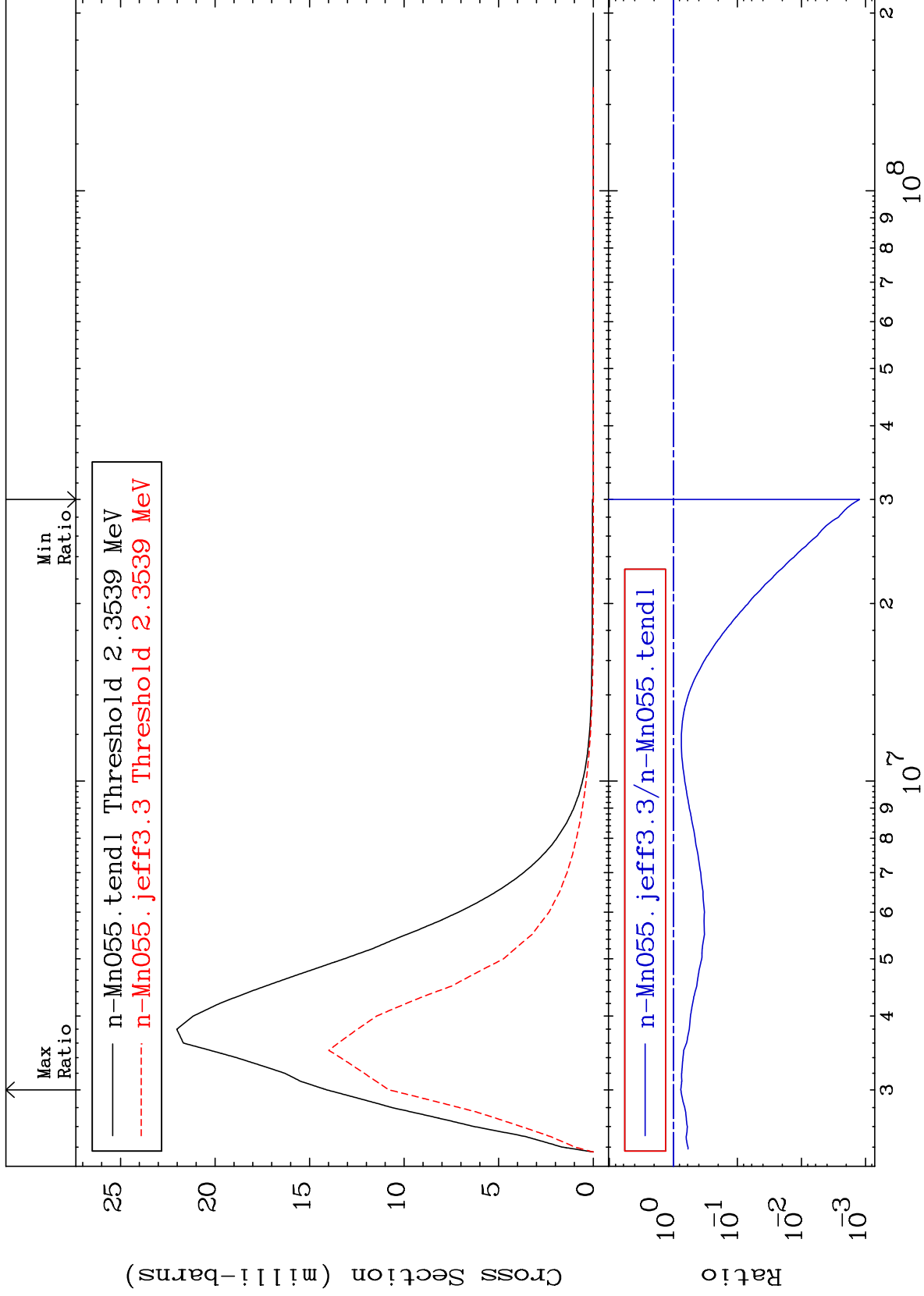
MAT 2525 MT= 63 (n, n') Level Cross Section 25-Mn-55 -35.90 To 9999. %



MAT 2525

MT= 64 (n, n') Level
Cross Section

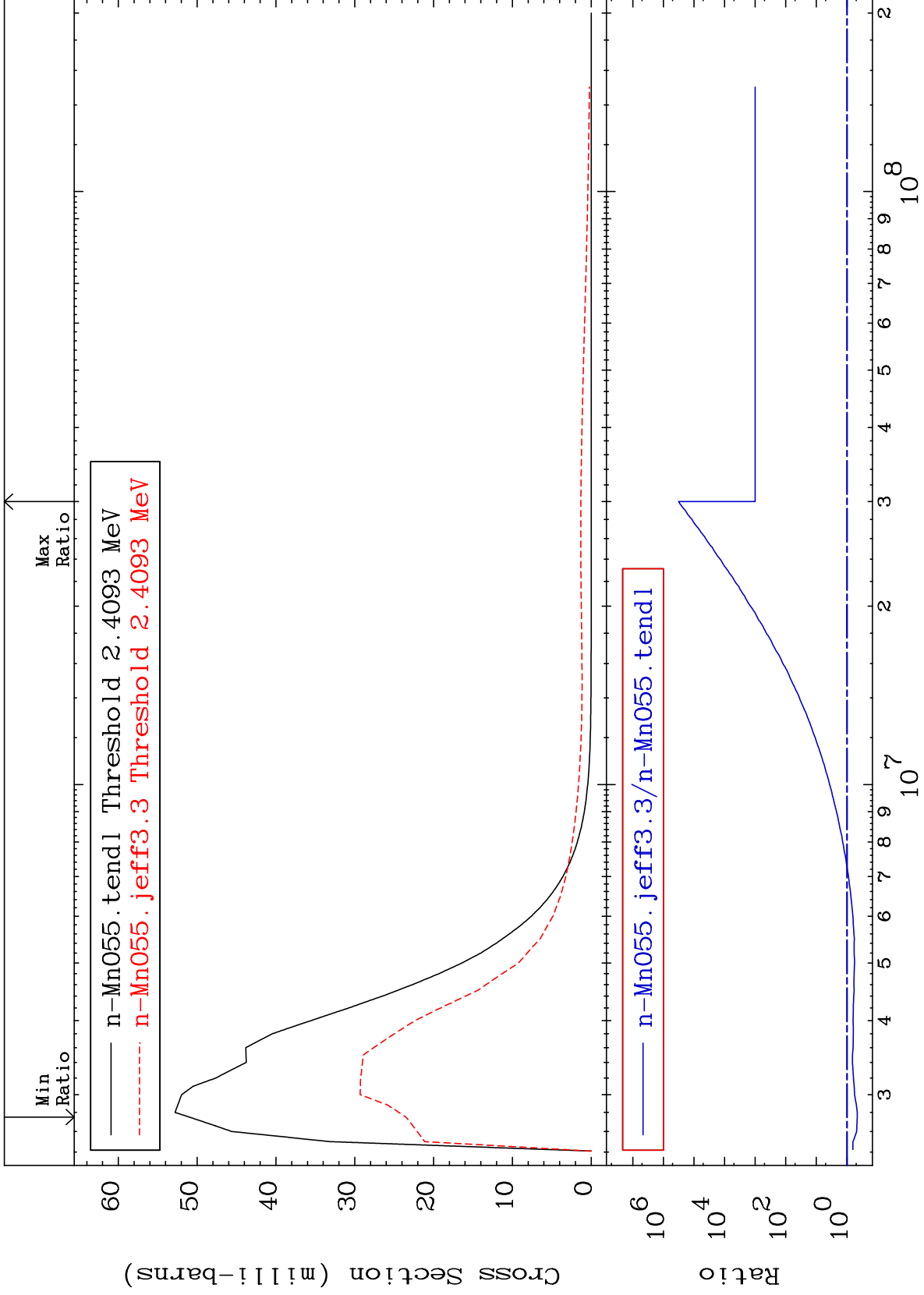
25-Mn-55
-99.88 To -23.36%



MAT 2525

MT= 65 (n,n') Level
Cross Section

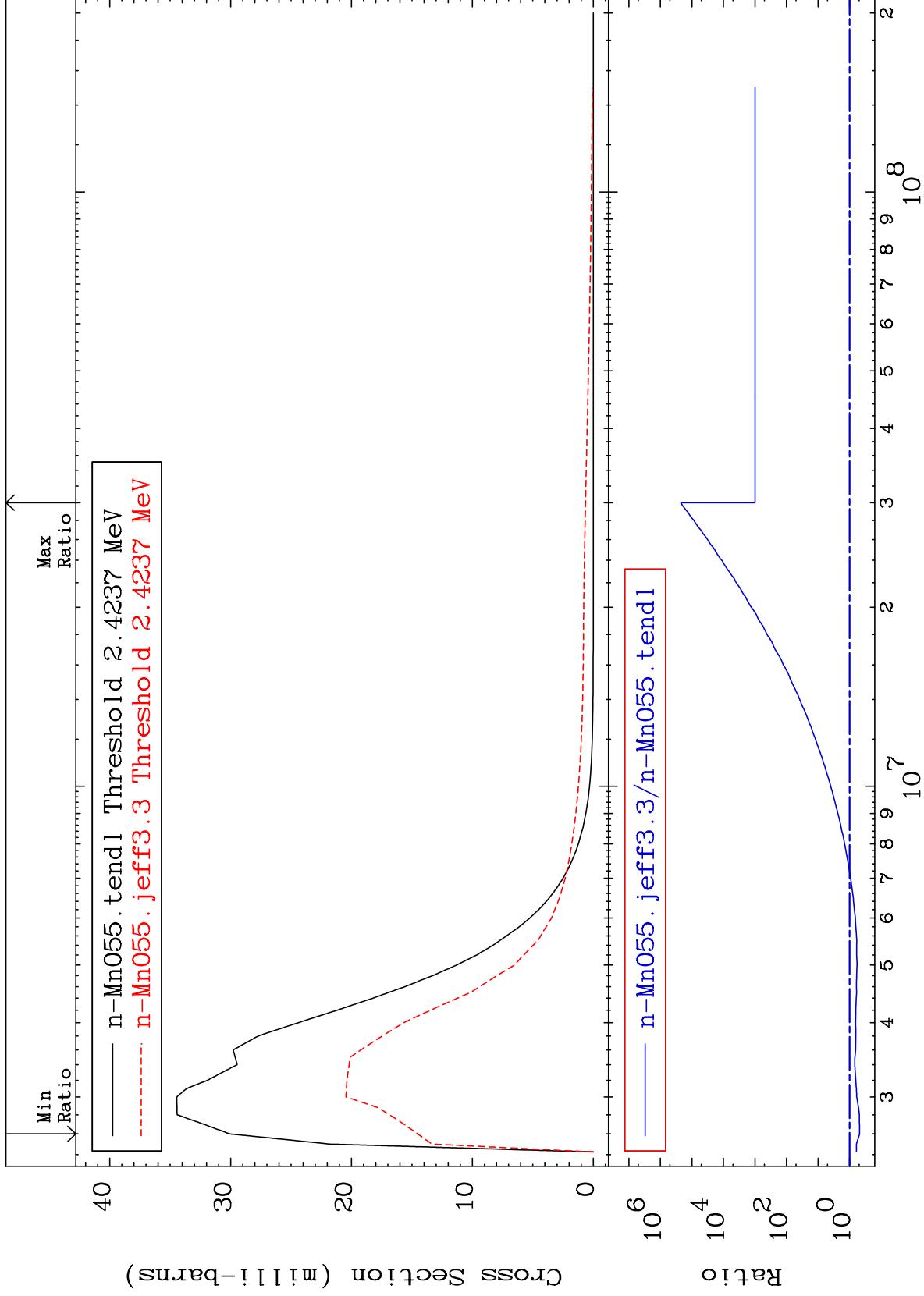
25-Mn-55
-53.93 To 9999. %



MAT 2525

MT= 66 (n,n') Level
Cross Section

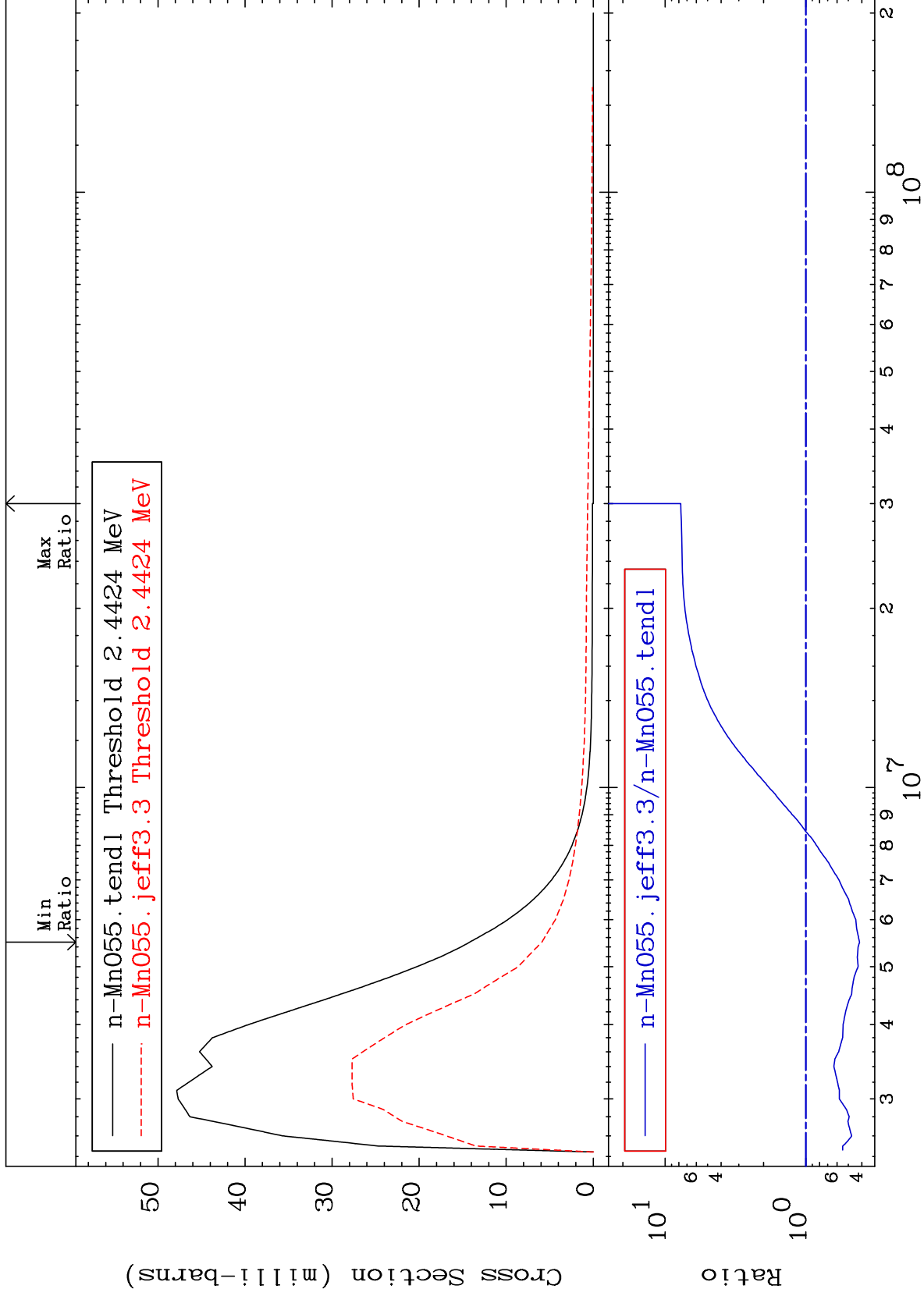
25-Mn-55
-51.74 To 9999. %



MAT 2525

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

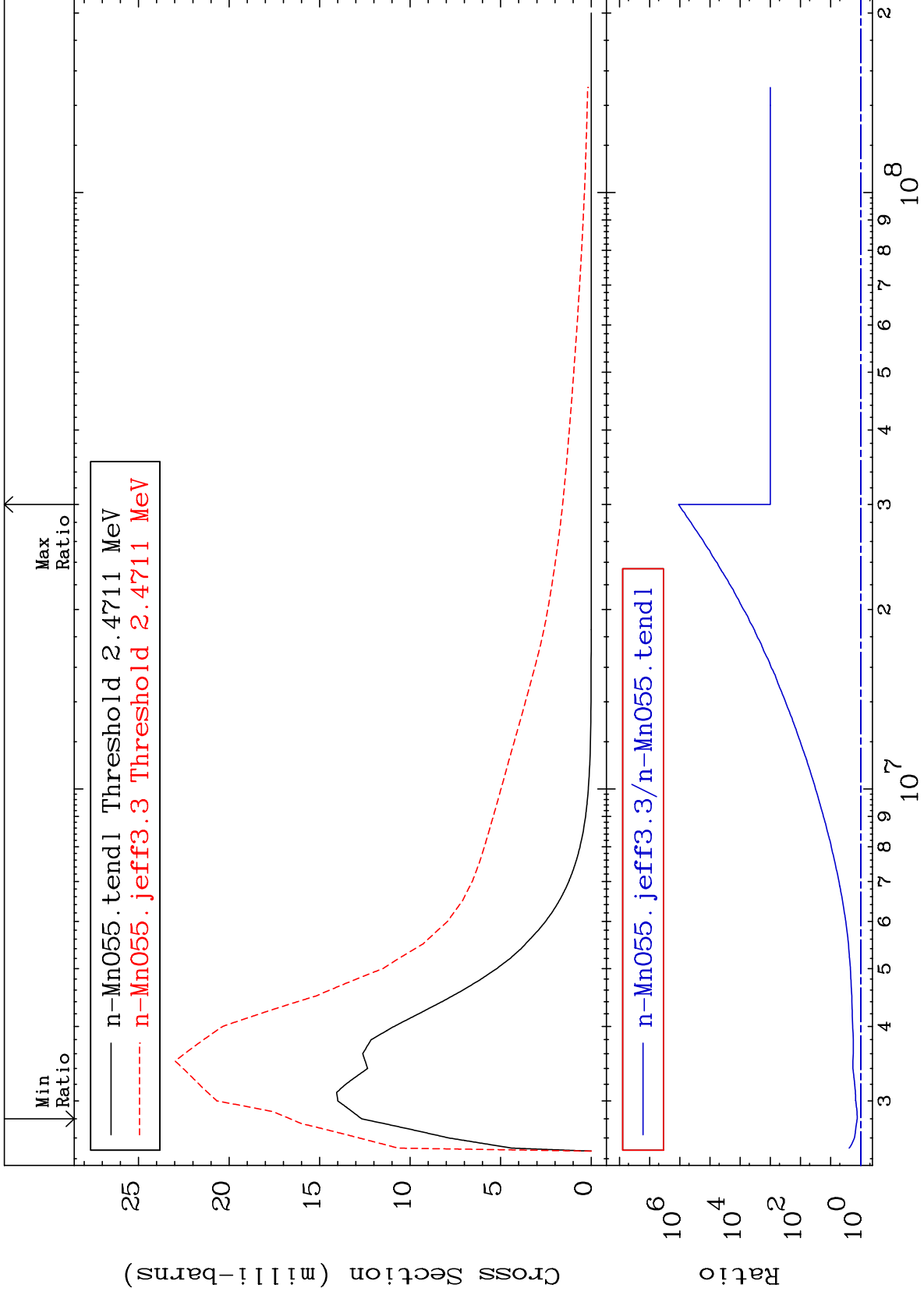
²⁵Mn-55
-58.45 To 674.2 %



MAT 2525

MT= 68 (n,n') Level
Cross Section

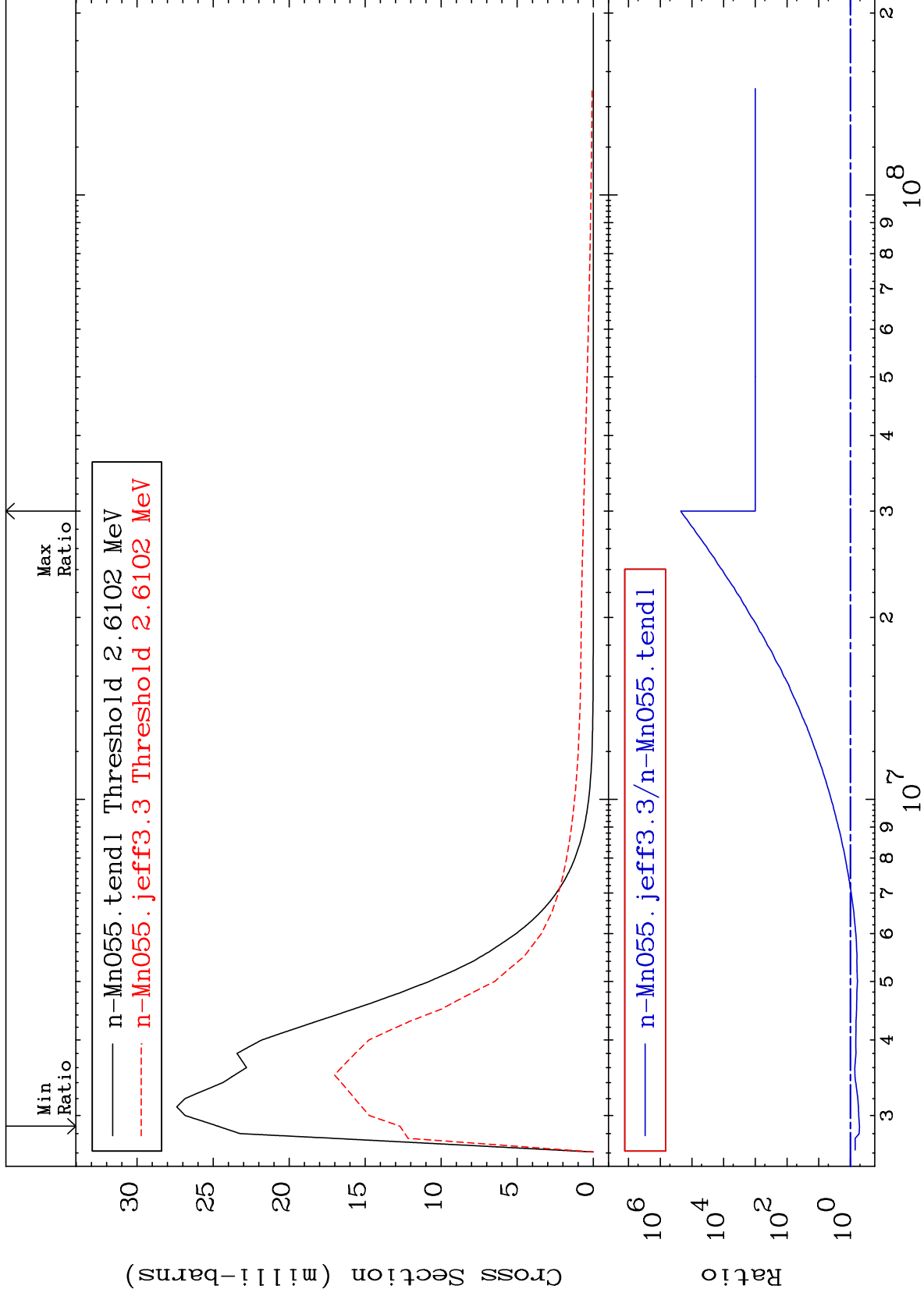
25-Mn-55
31.16 To 9999. %



MAT 2525

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

25-Mn-55
-48.48 To 9999. %



25

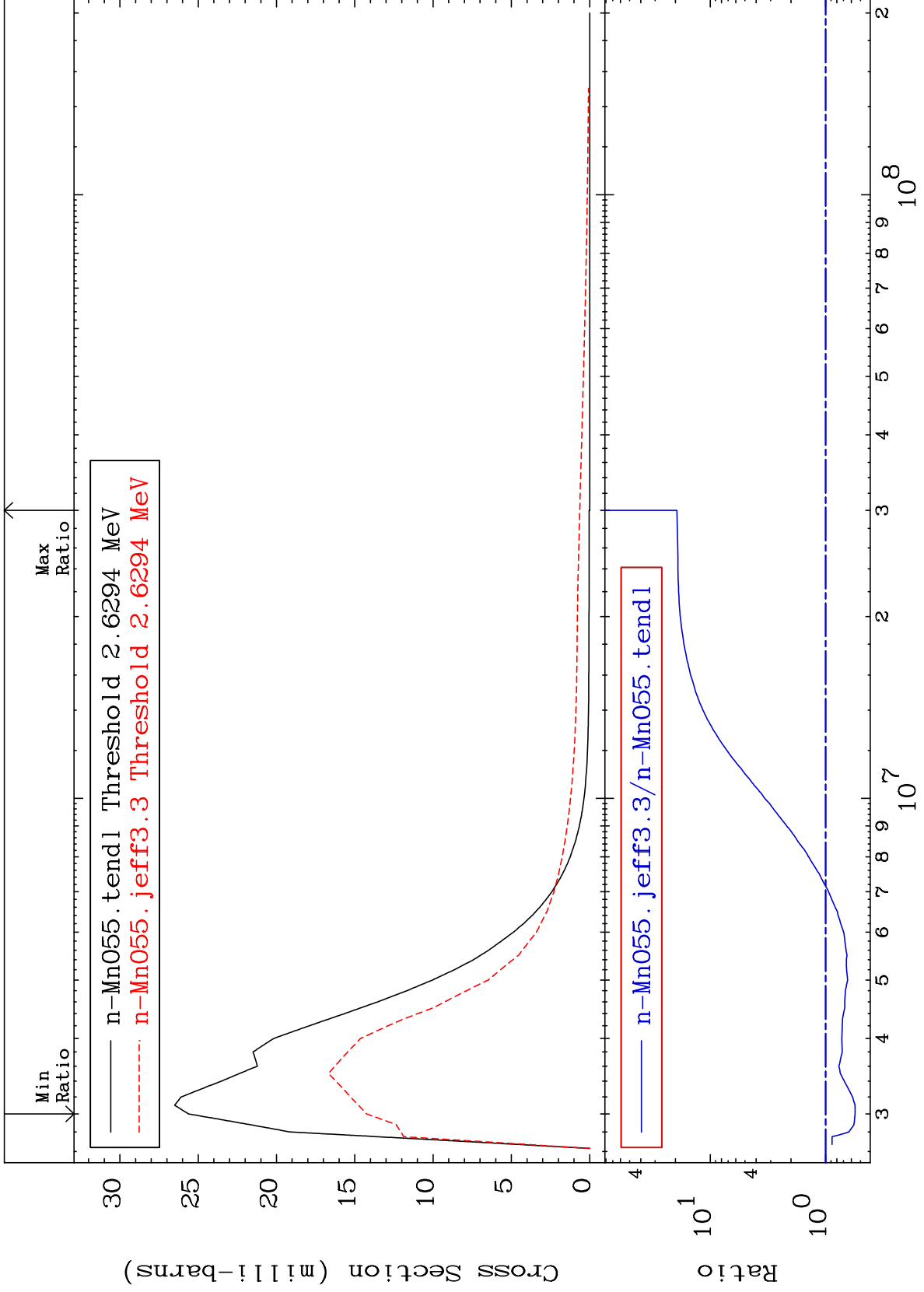
Incident Energy (eV)

25-Mn-55

MAT 2525

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

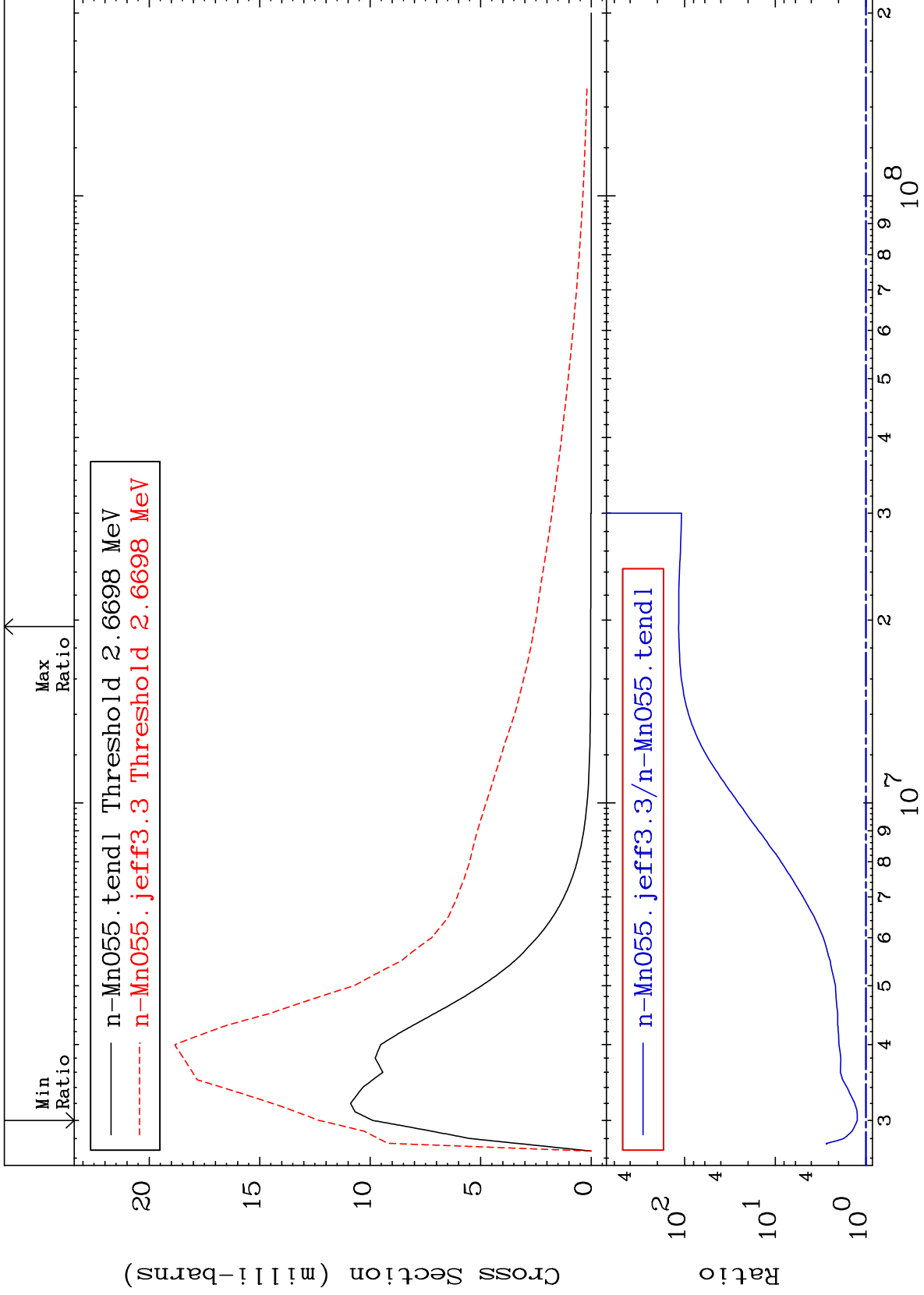
²⁵Mn-55
-44.39 To 1843. %



MAT 2525

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

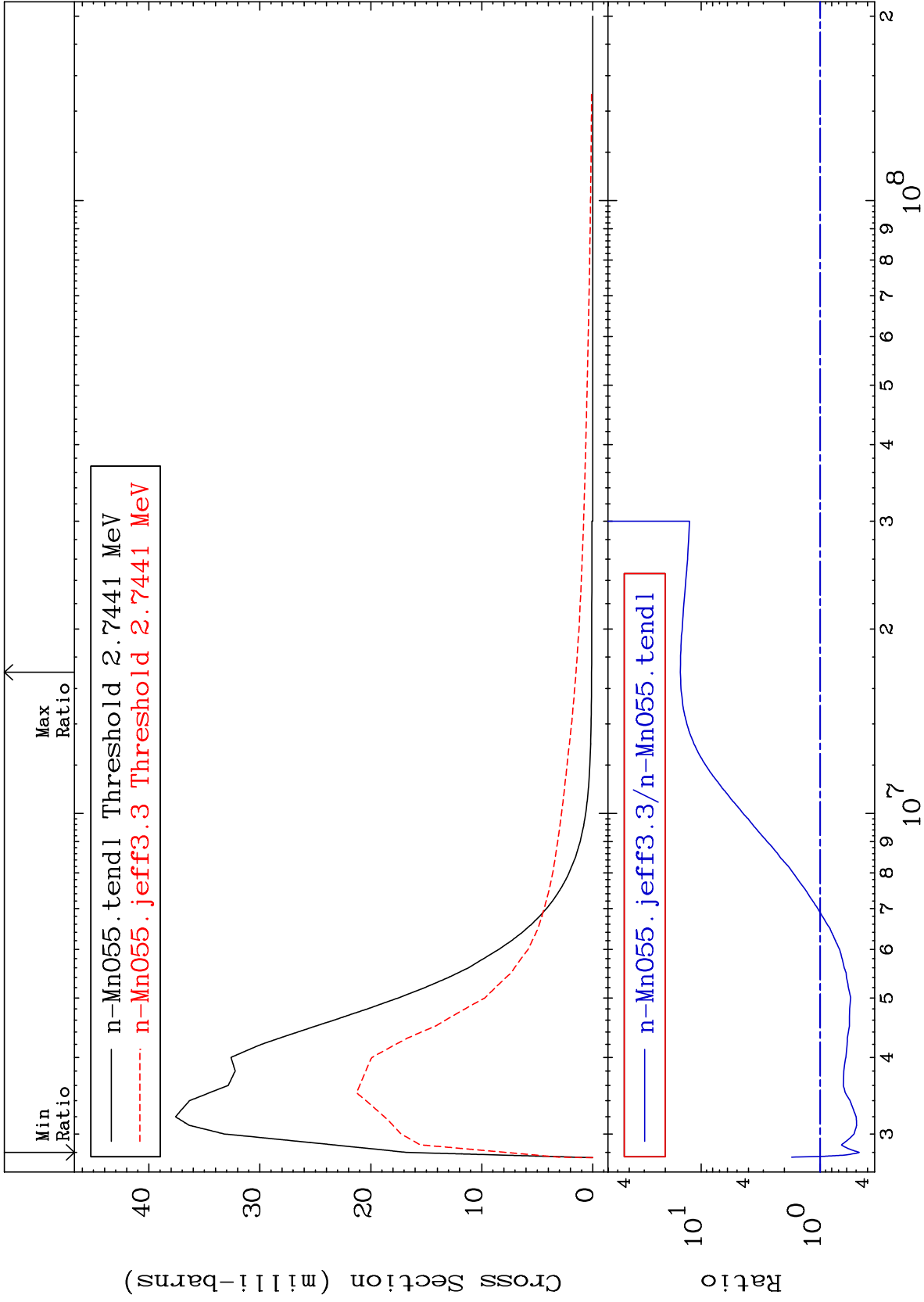
25-Mn-55
24.53 To 9999. %



MAT 2525

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

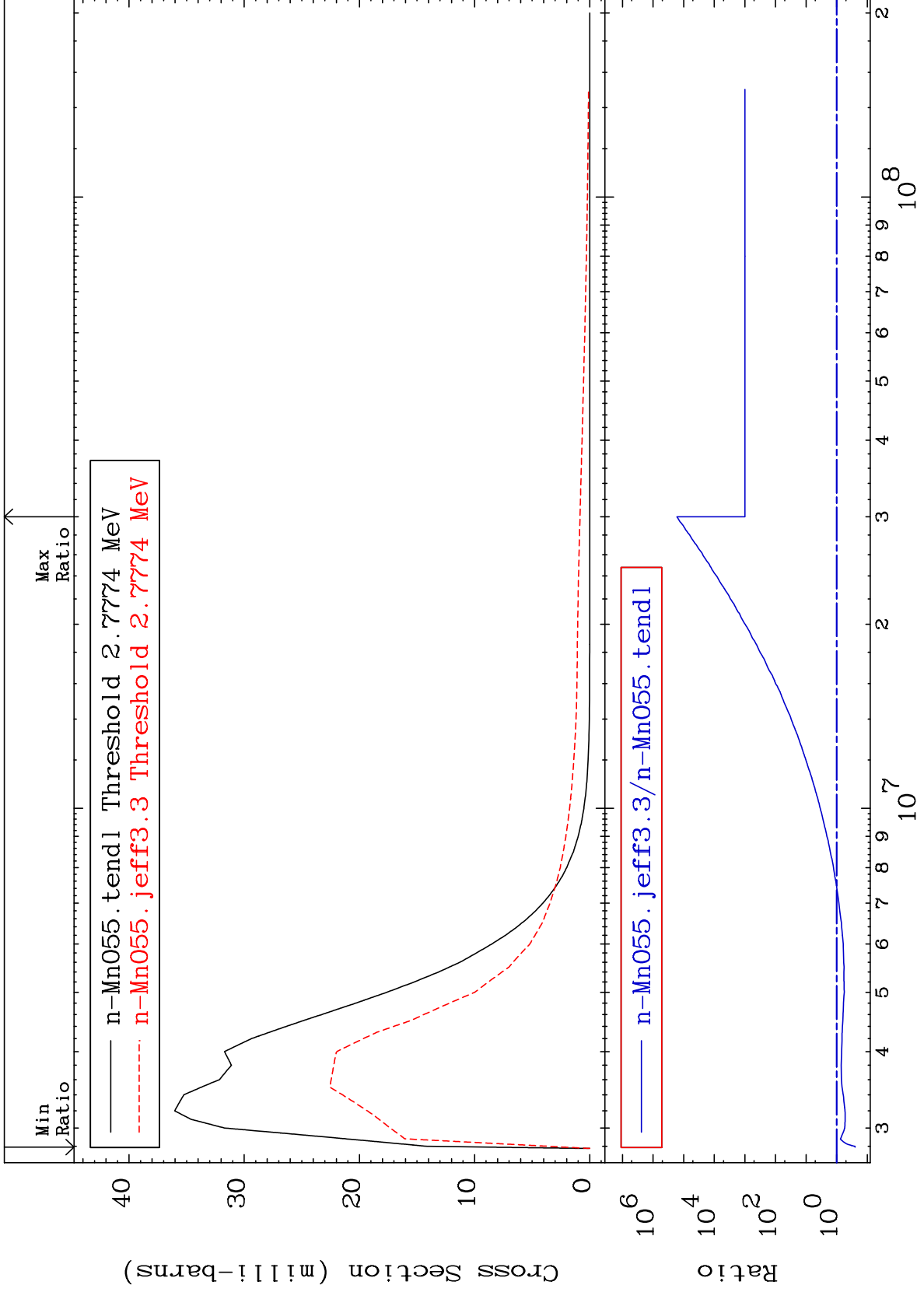
25-Mn-55
-53.13 To 1392. %



MAT 2525

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

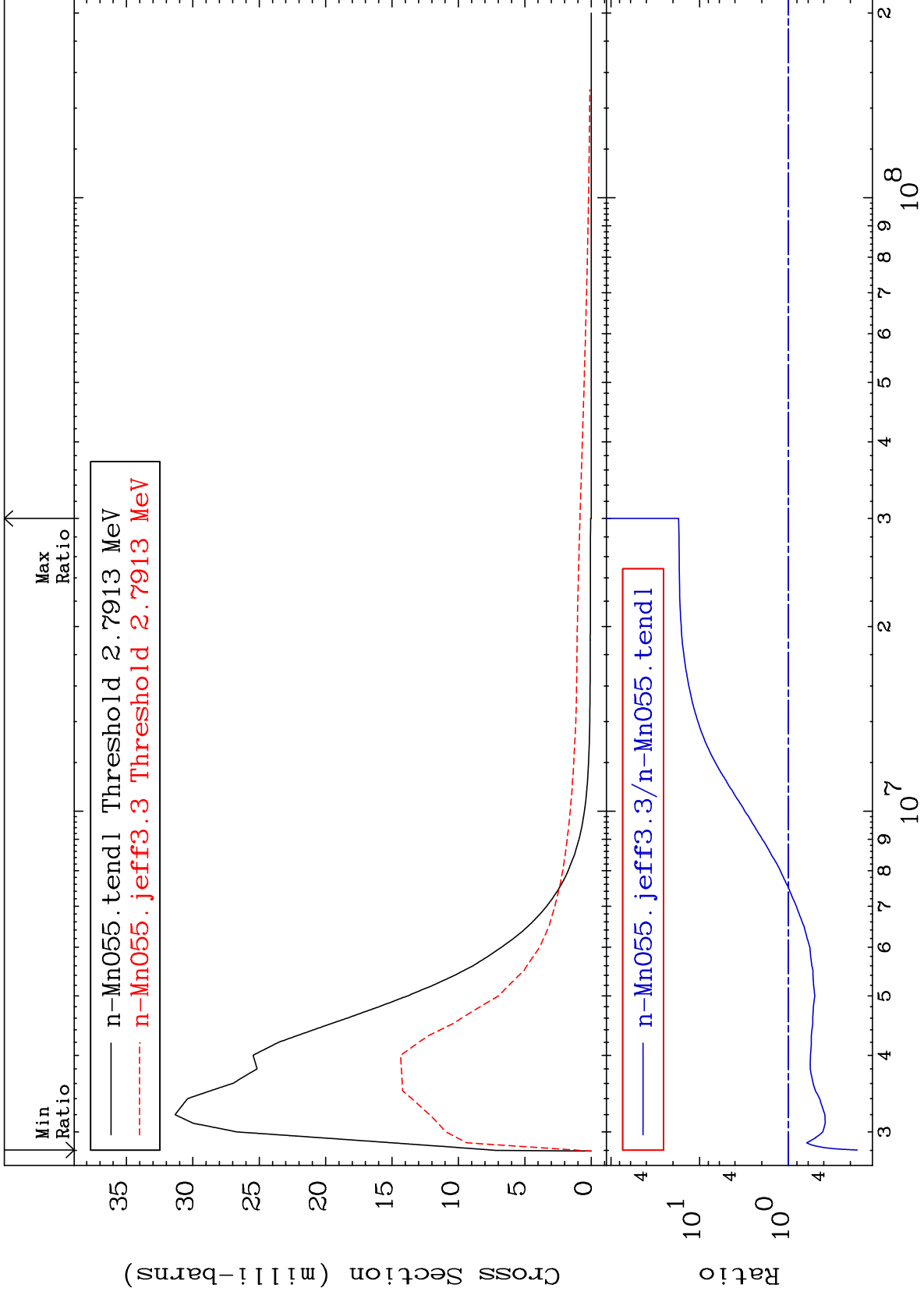
25-Mn-55
-74.93 To 9999. %



MAT 2525

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

25-Mn-55
-83.25 To 1627. %



30

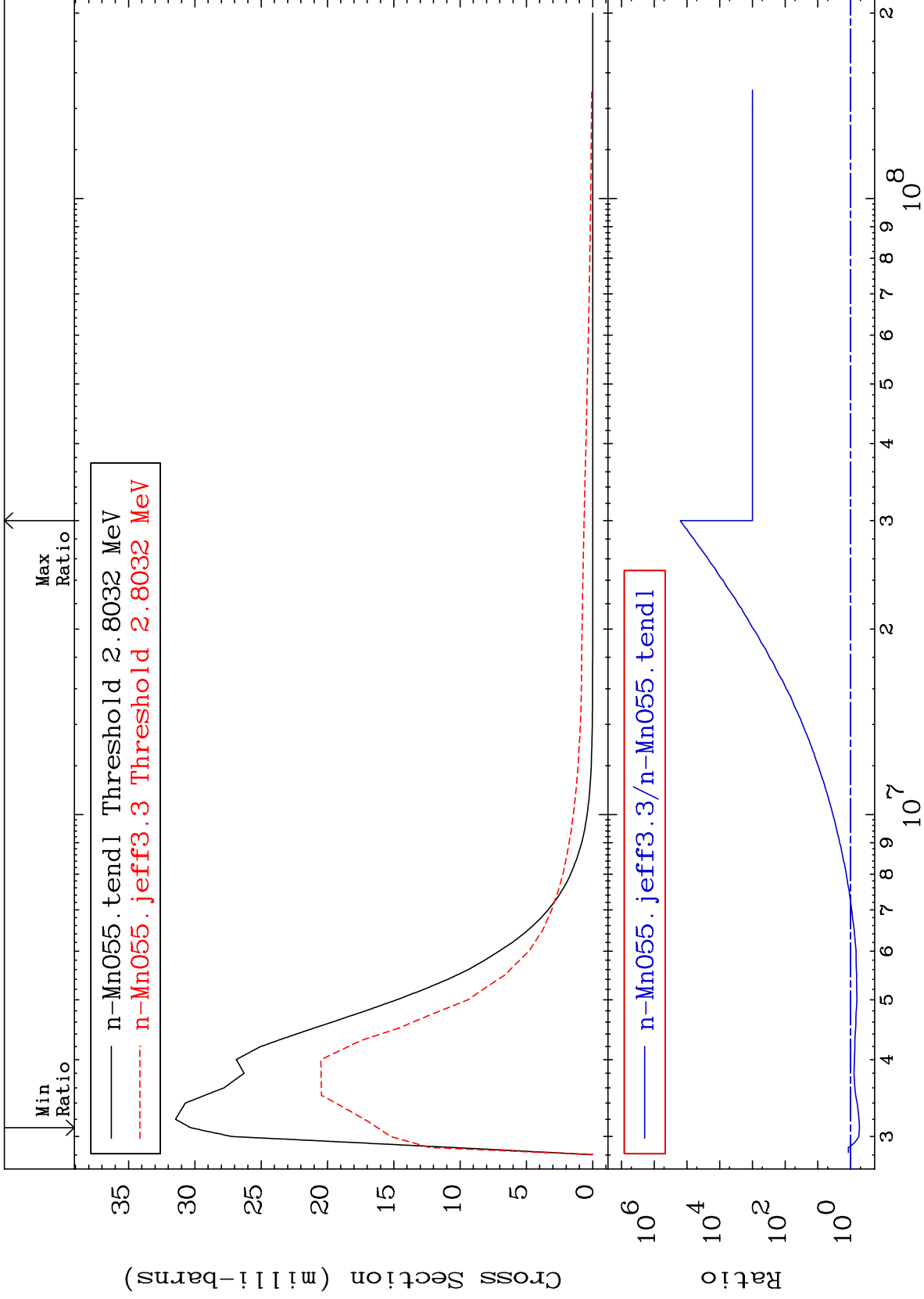
Incident Energy (eV)

25-Mn-55

MAT 2525

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

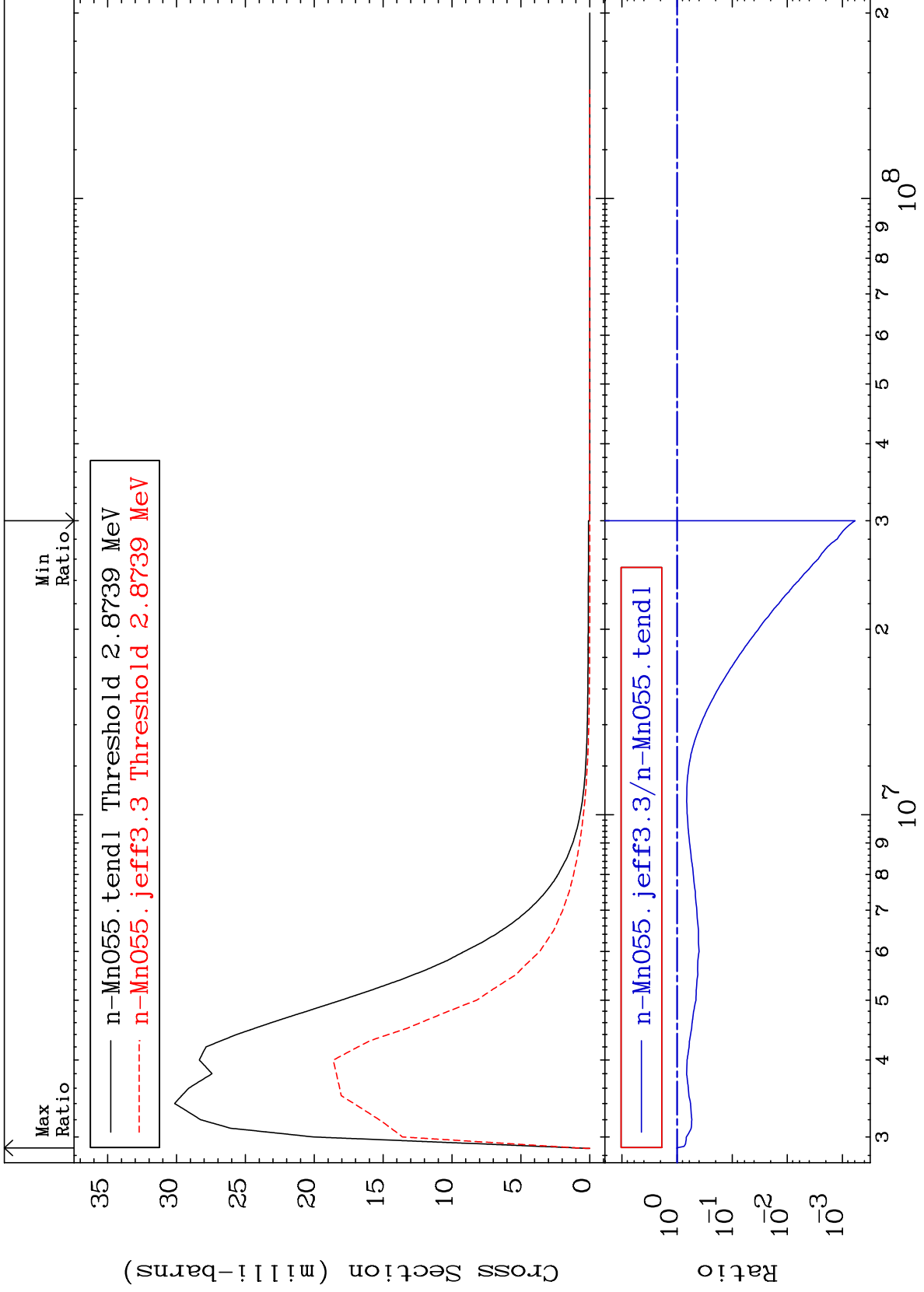
25-Mn-55
-46.51 To 9999. %



MAT 2525

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

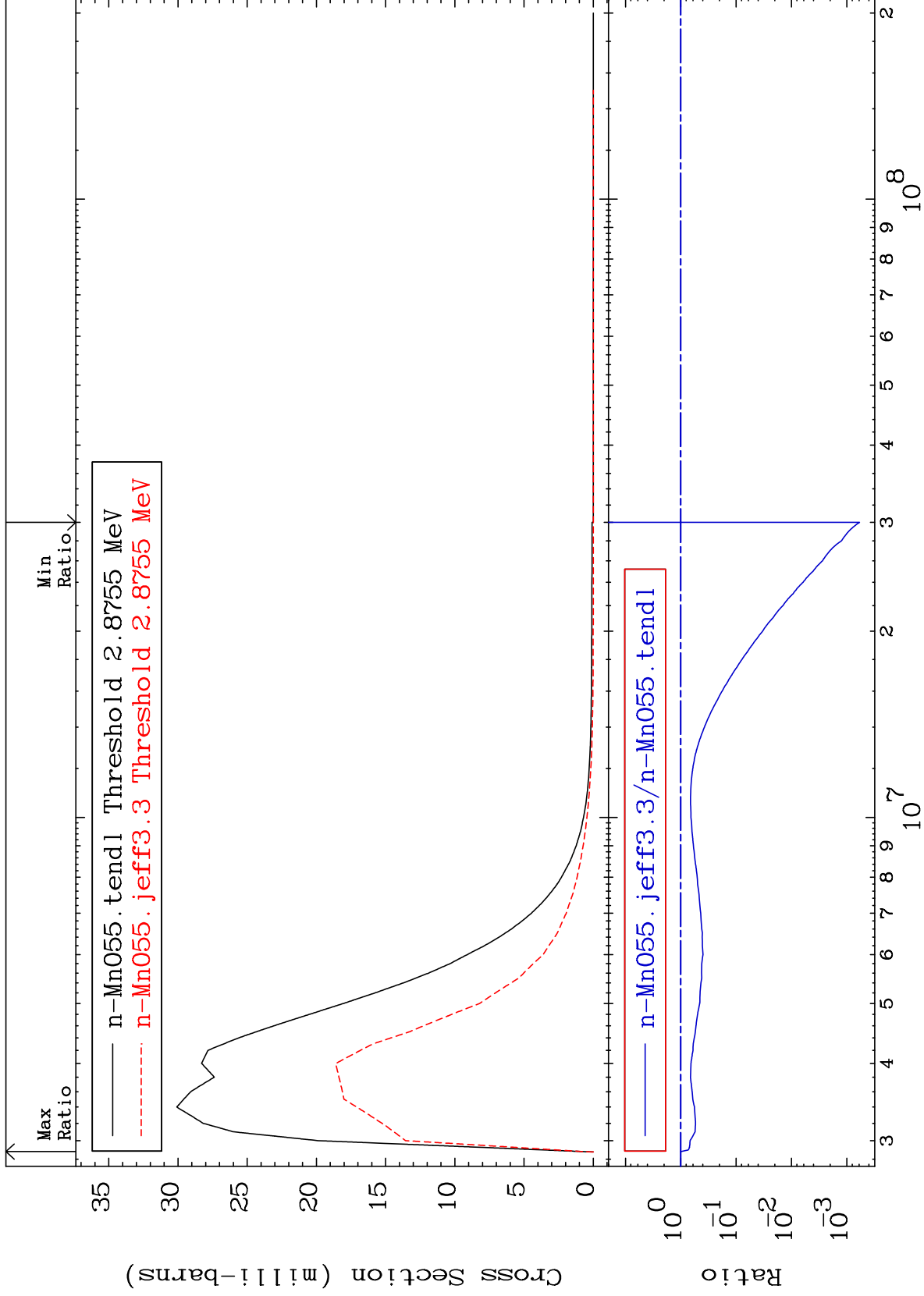
25-Mn-55
-99.94 To 0.472 %



MAT 2525

MT= 77 (n, n') Level
Cross Section

25-Mn-55
-99.94 To 0.220 %



33

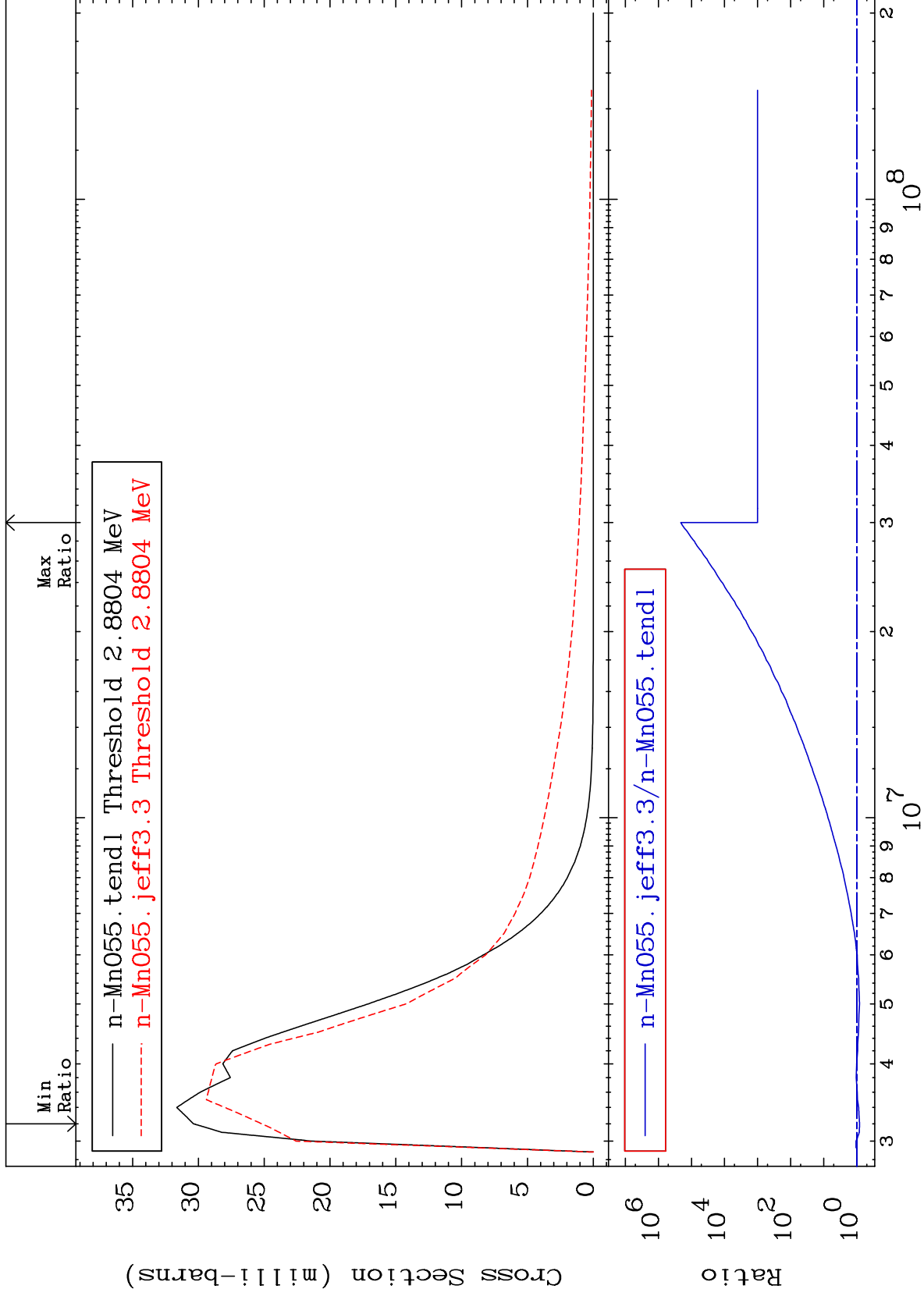
Incident Energy (eV)

25-Mn-55

MAT 2525

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

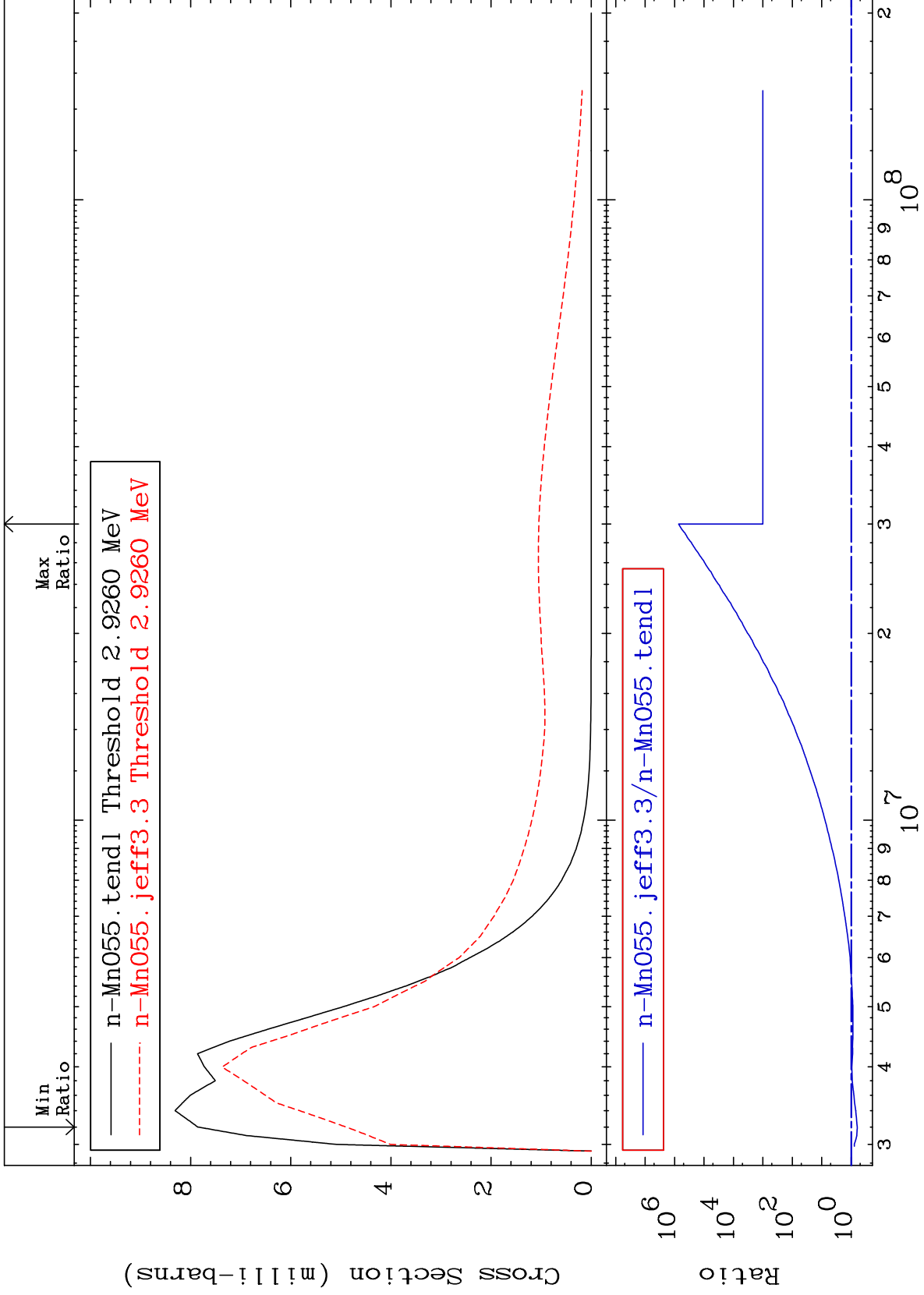
25-Mn-55
-17.08 To 9999. %



MAT 2525

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

25-Mn-55
-37.69 To 9999. %



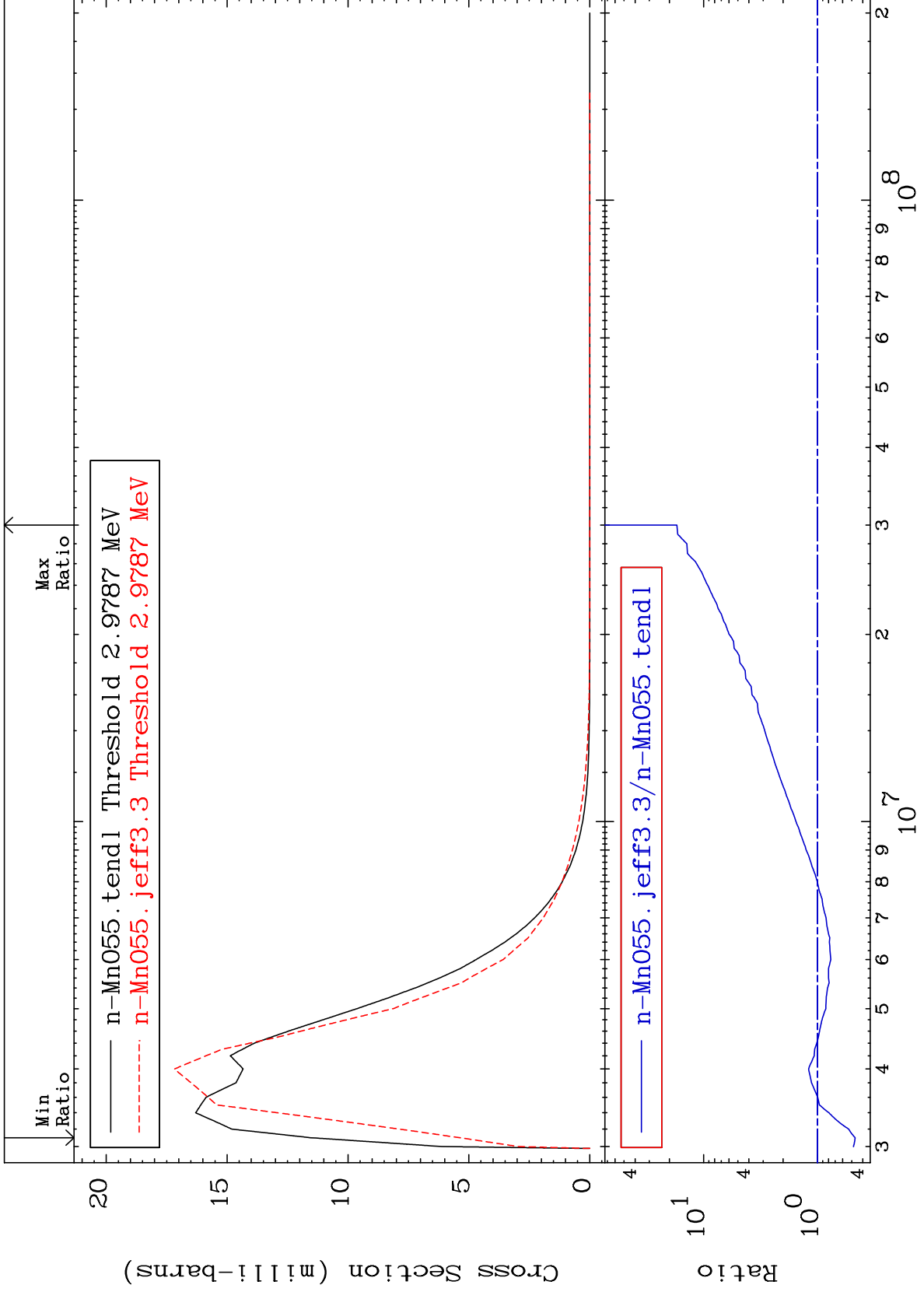
35

25-Mn-55

MAT 2525

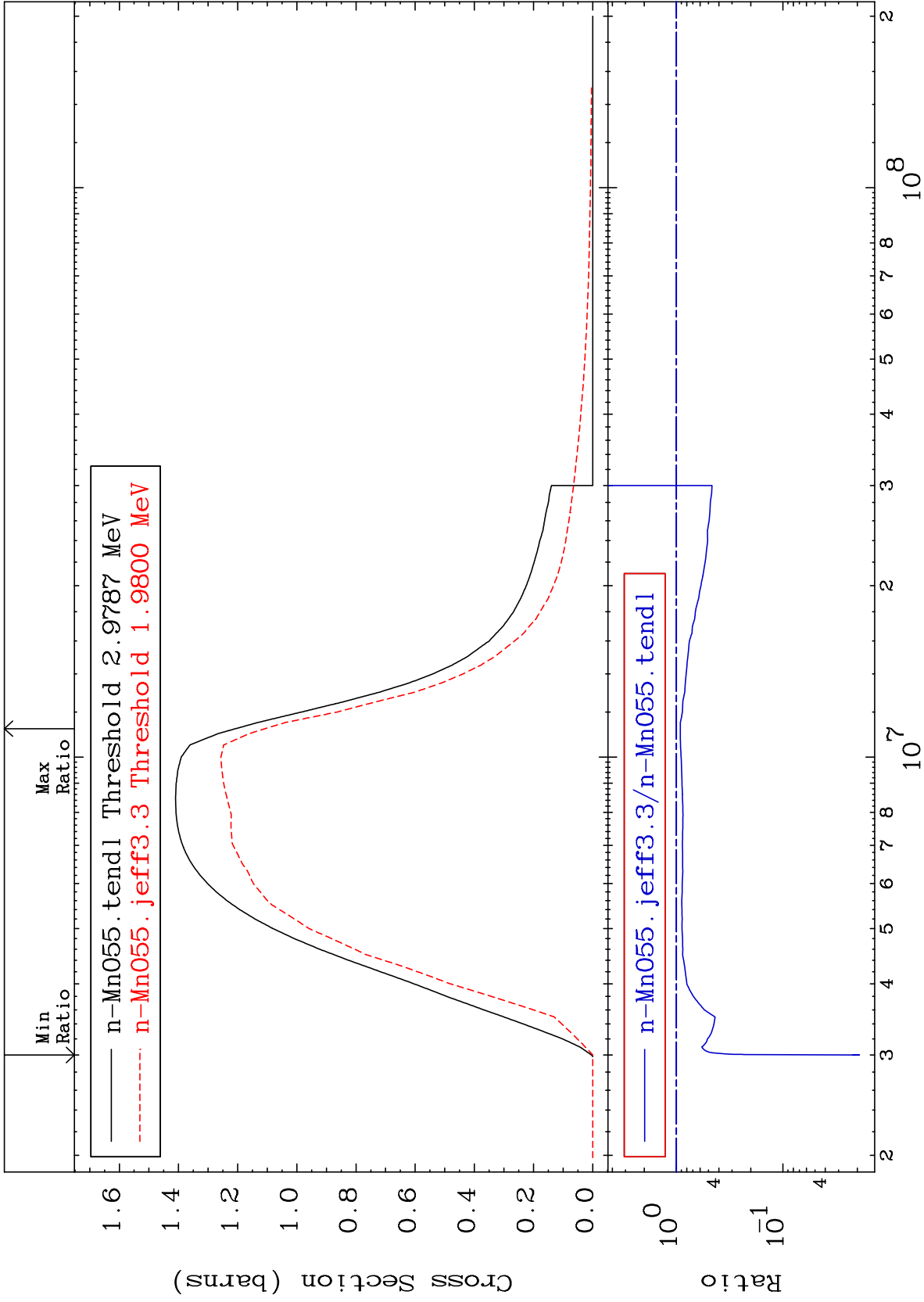
MT= 80 (n,n') Level
Cross Section

25-Mn-55
-53.31 To 1616. %



36

25-Mn-55



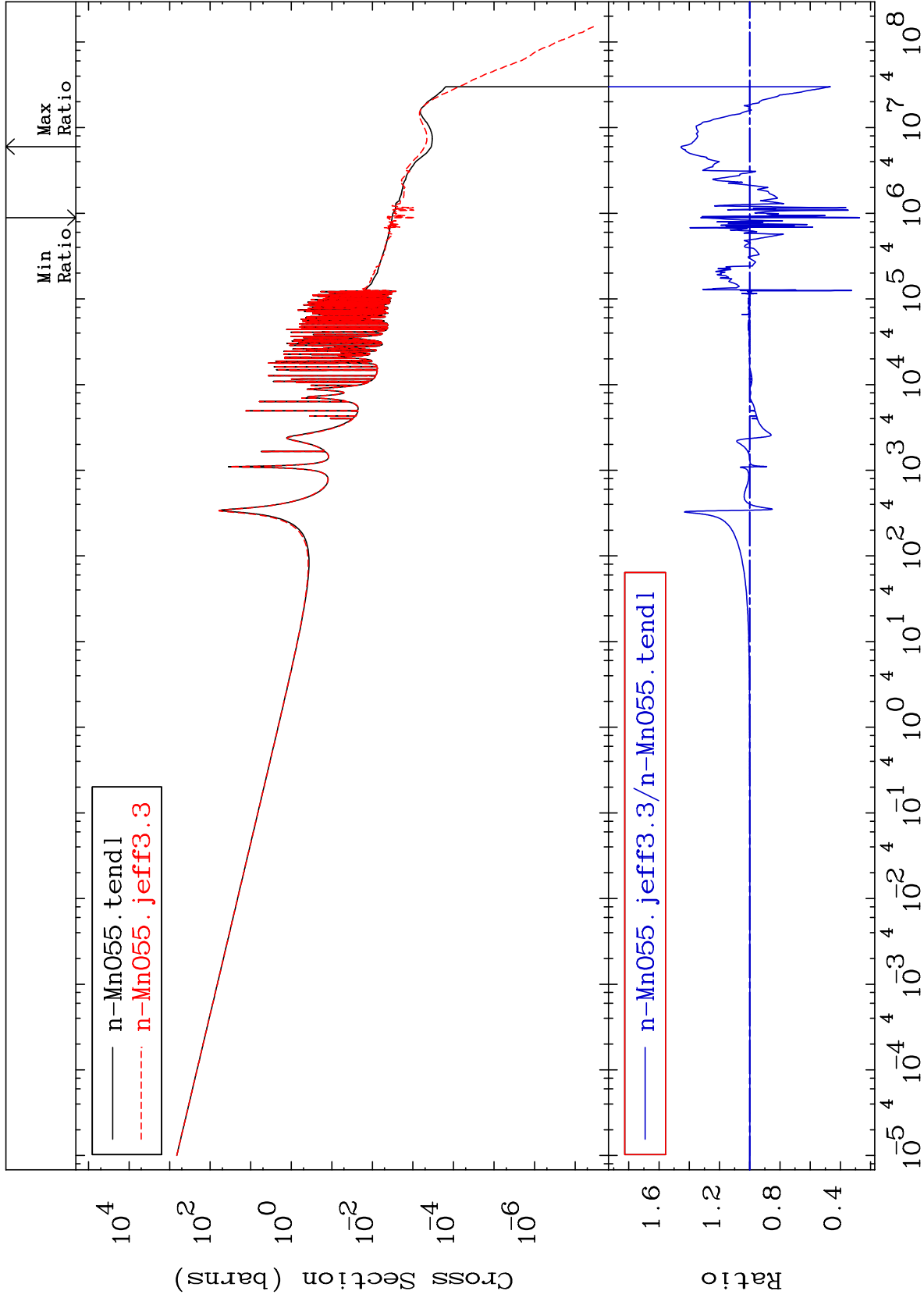
MAT 2525

(n, γ)

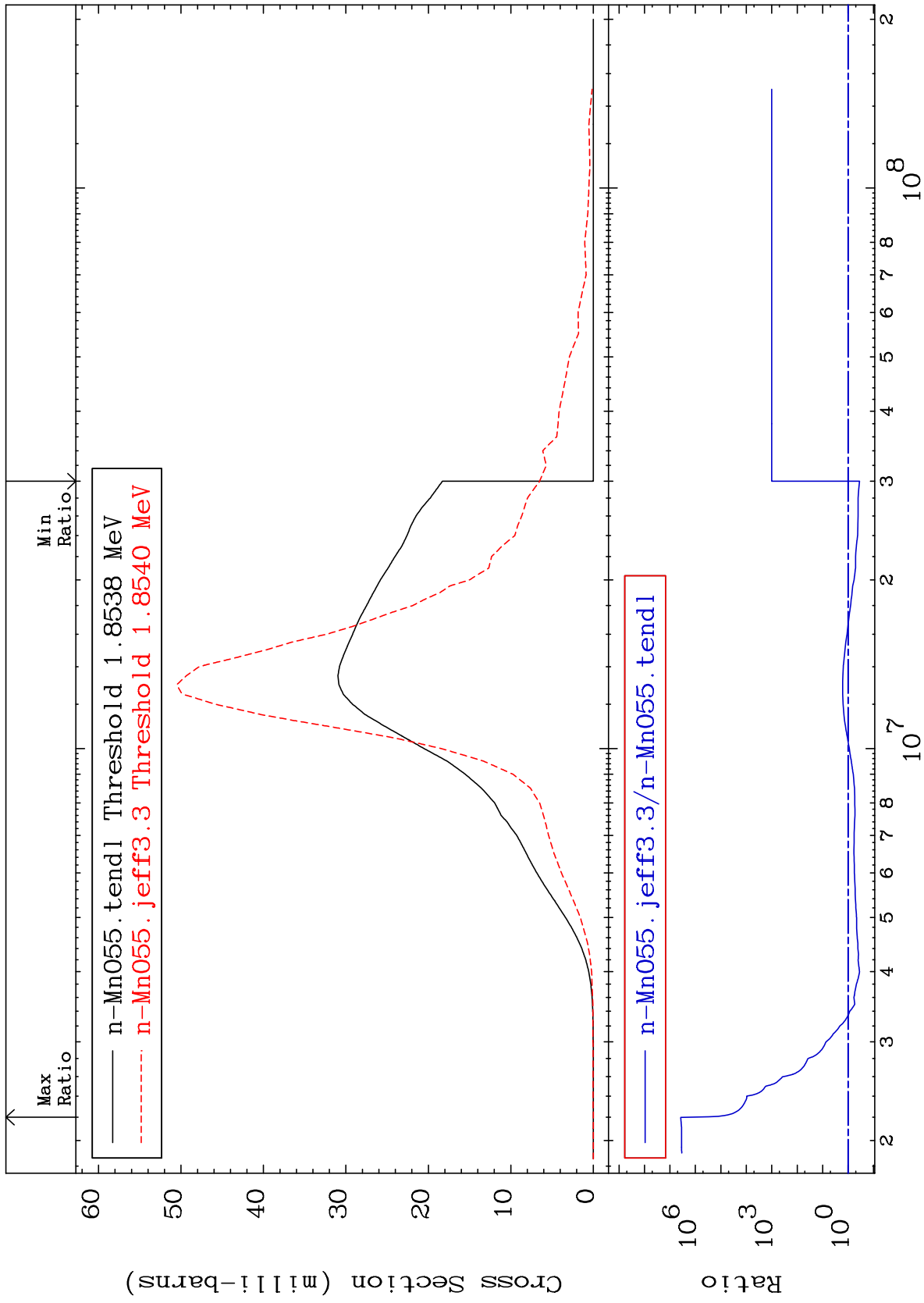
25-Mn-55

Cross Section

-72.64 To 45.61 %



MAT 2525 (n,p) Cross Section 25-Mn-55 -64.47 To 9999. %



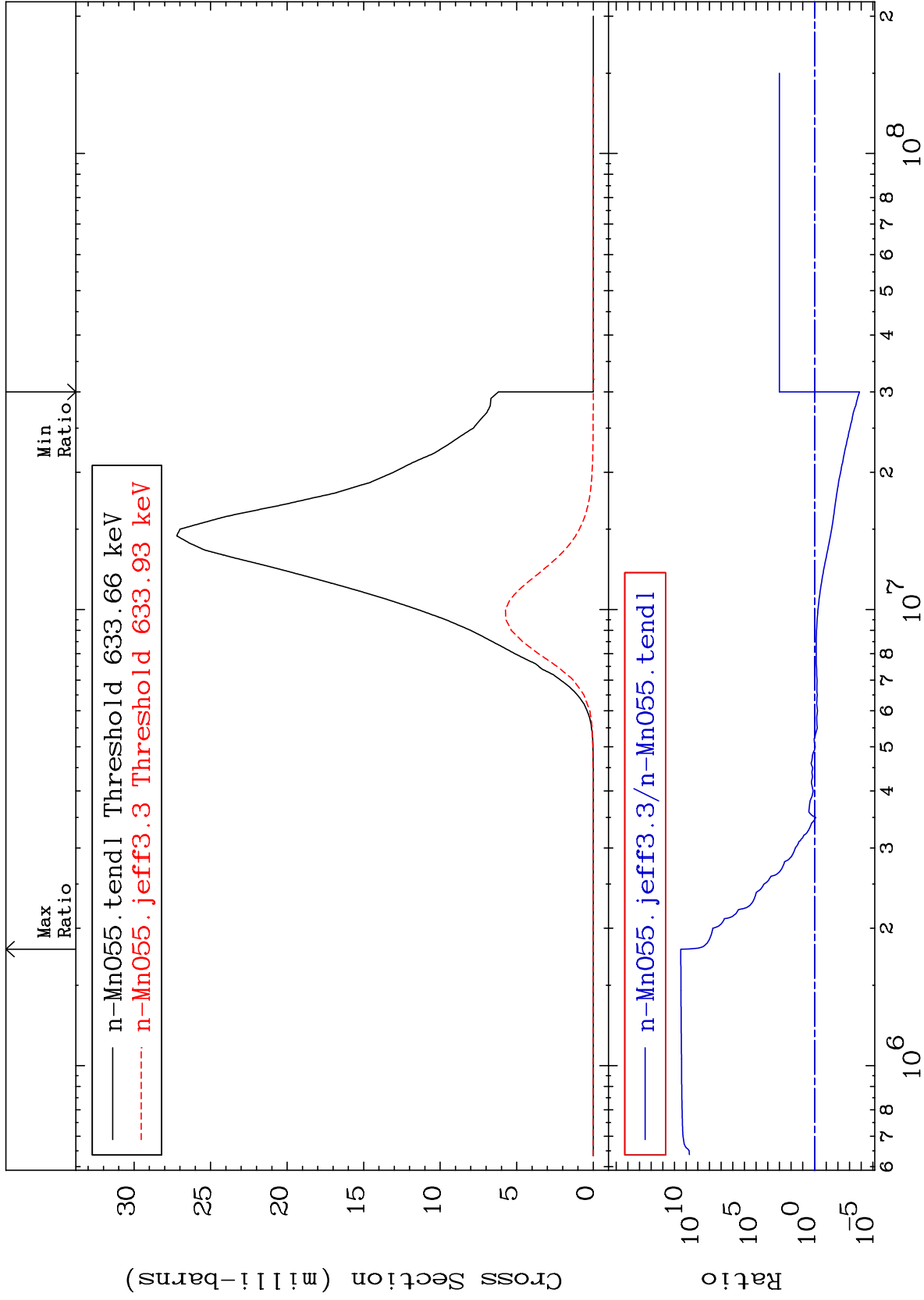
MAT 2525

(n, α)

²⁵Mn-55

Cross Section

-99.99 To 9999. %



— n-Mn055.tendl Threshold 633.66 keV
- - - n-Mn055.jeff3.3 Threshold 633.93 keV

— n-Mn055.jeff3.3/n-Mn055.tendl

40

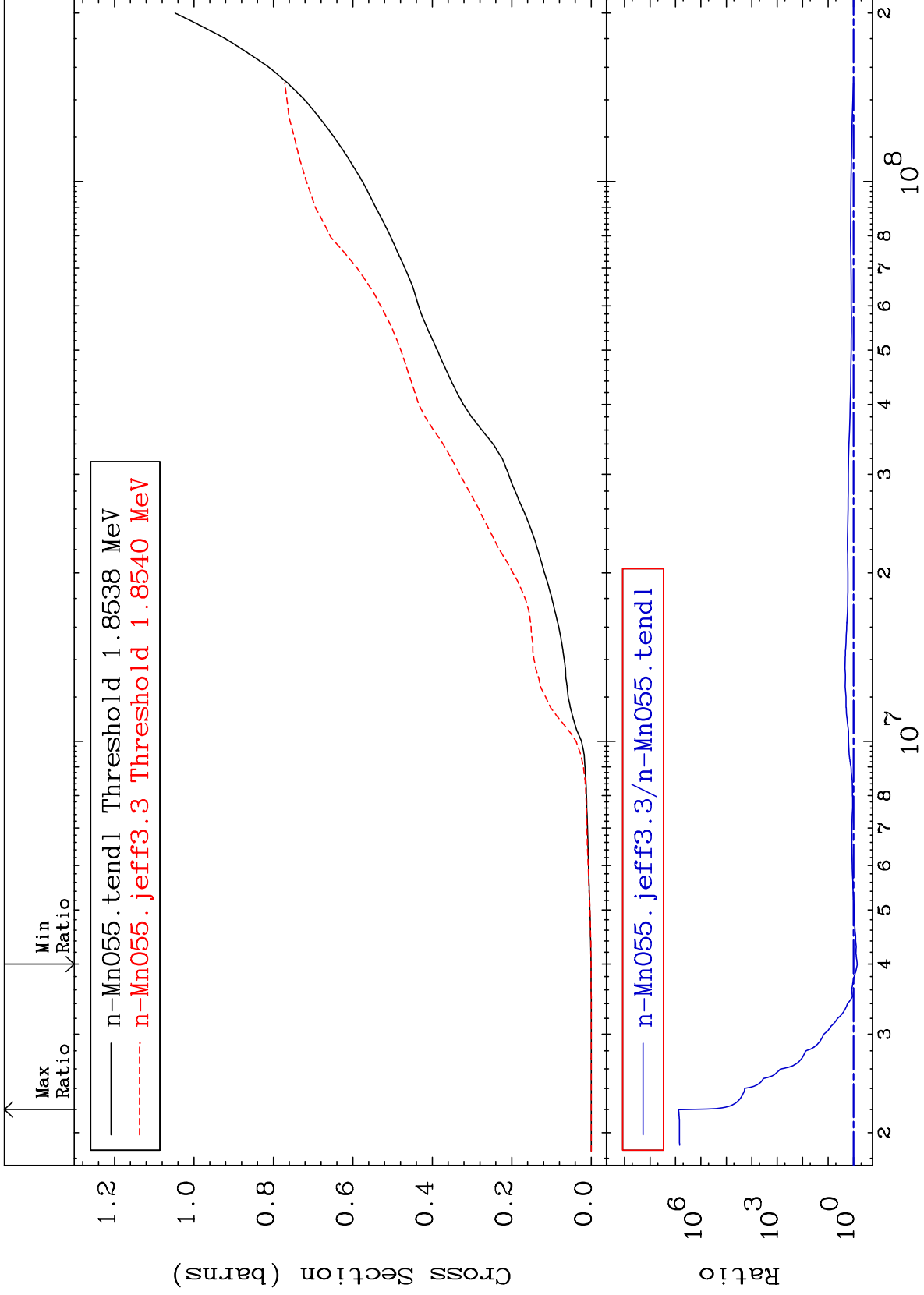
Incident Energy (eV)

²⁵Mn-55

MAT 2525

Hydrogen Production
Cross Section

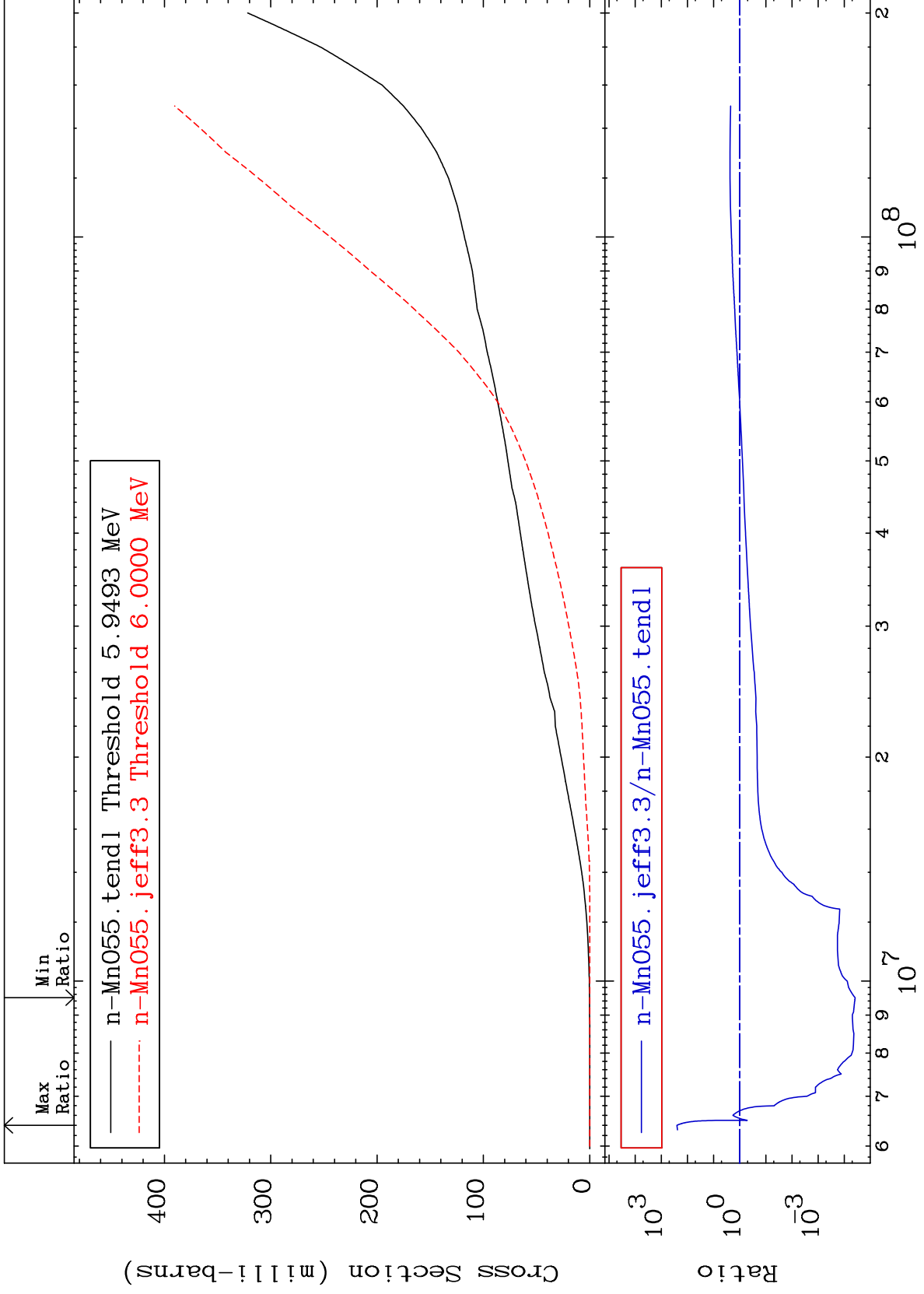
²⁵Mn-55
-28.77 To 9999. %



MAT 2525

Deuterium Production
Cross Section

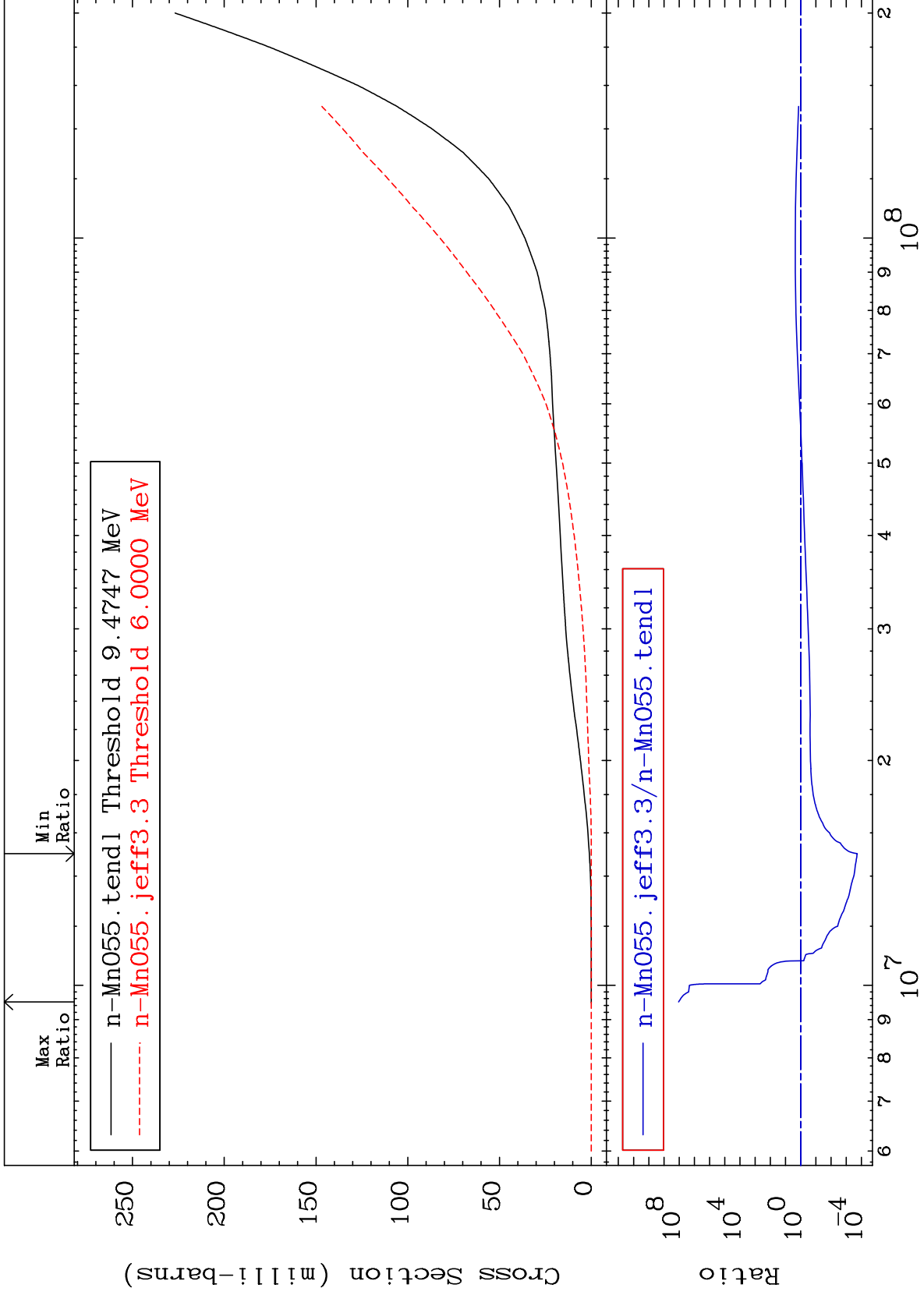
²⁵Mn-55
-100.0 To 9999. %



MAT 2525

Tritium Production
Cross Section

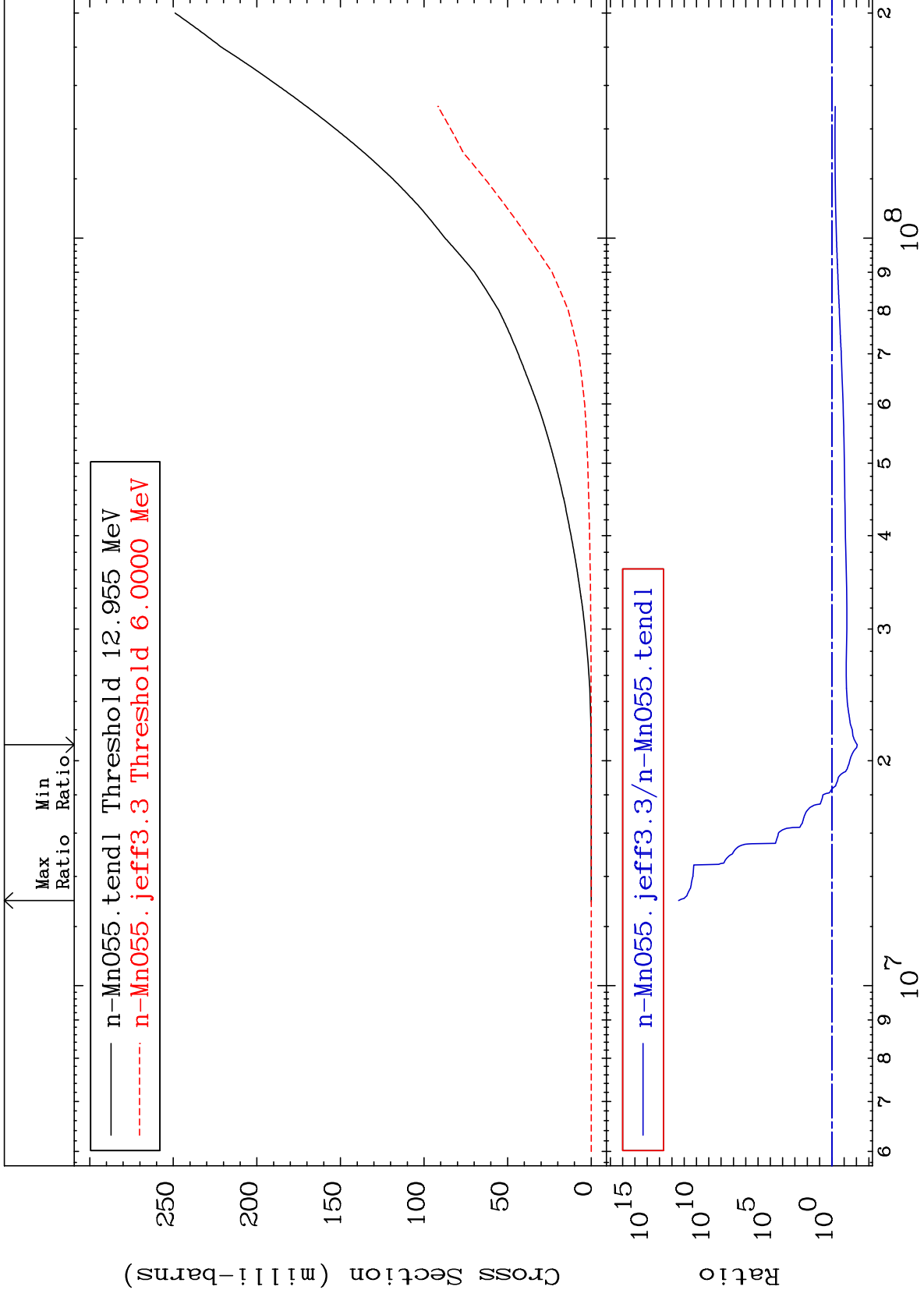
²⁵Mn-55
-99.98 To 9999. %



MAT 2525

He-3 Production
Cross Section

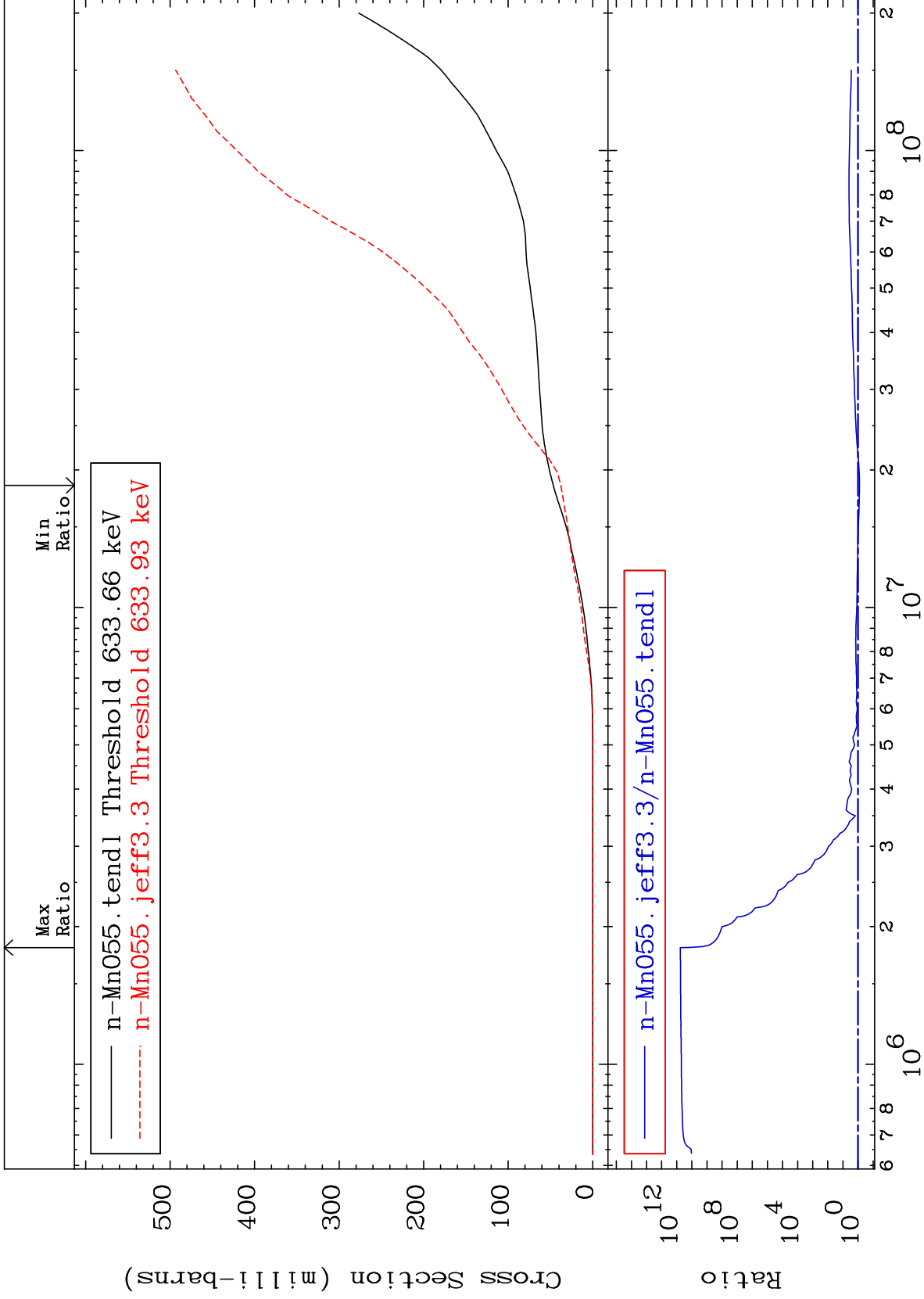
²⁵Mn-55
-99.13 To 9999. %



MAT 2525

He-4 Production
Cross Section

²⁵Mn-55
-19.12 To 9999. %



45

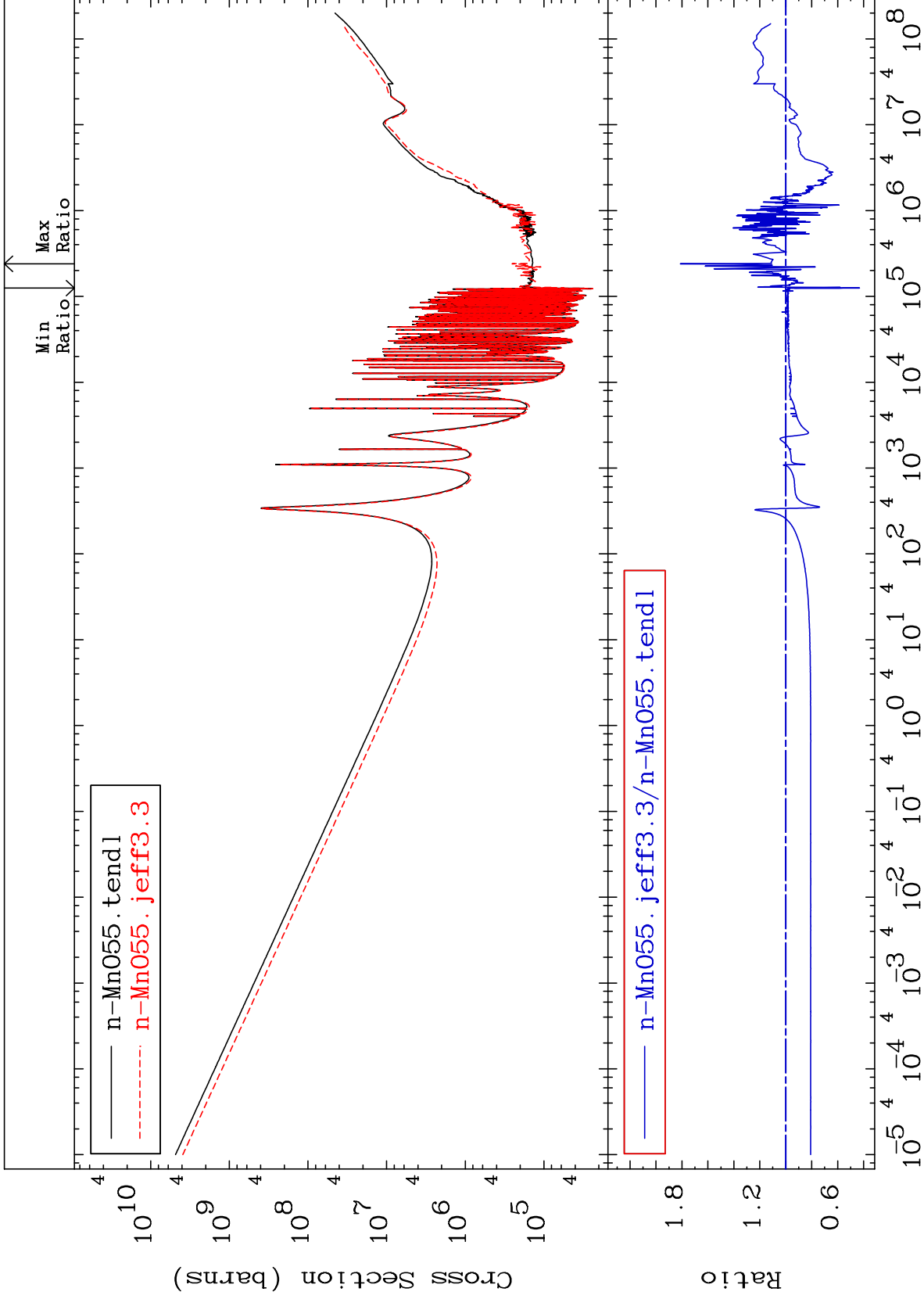
Incident Energy (eV)

²⁵Mn-55

MAT 2525

Kerma total (eV-barns)
Cross Section

25-Mn-55
-56.76 To 81.22 %



46

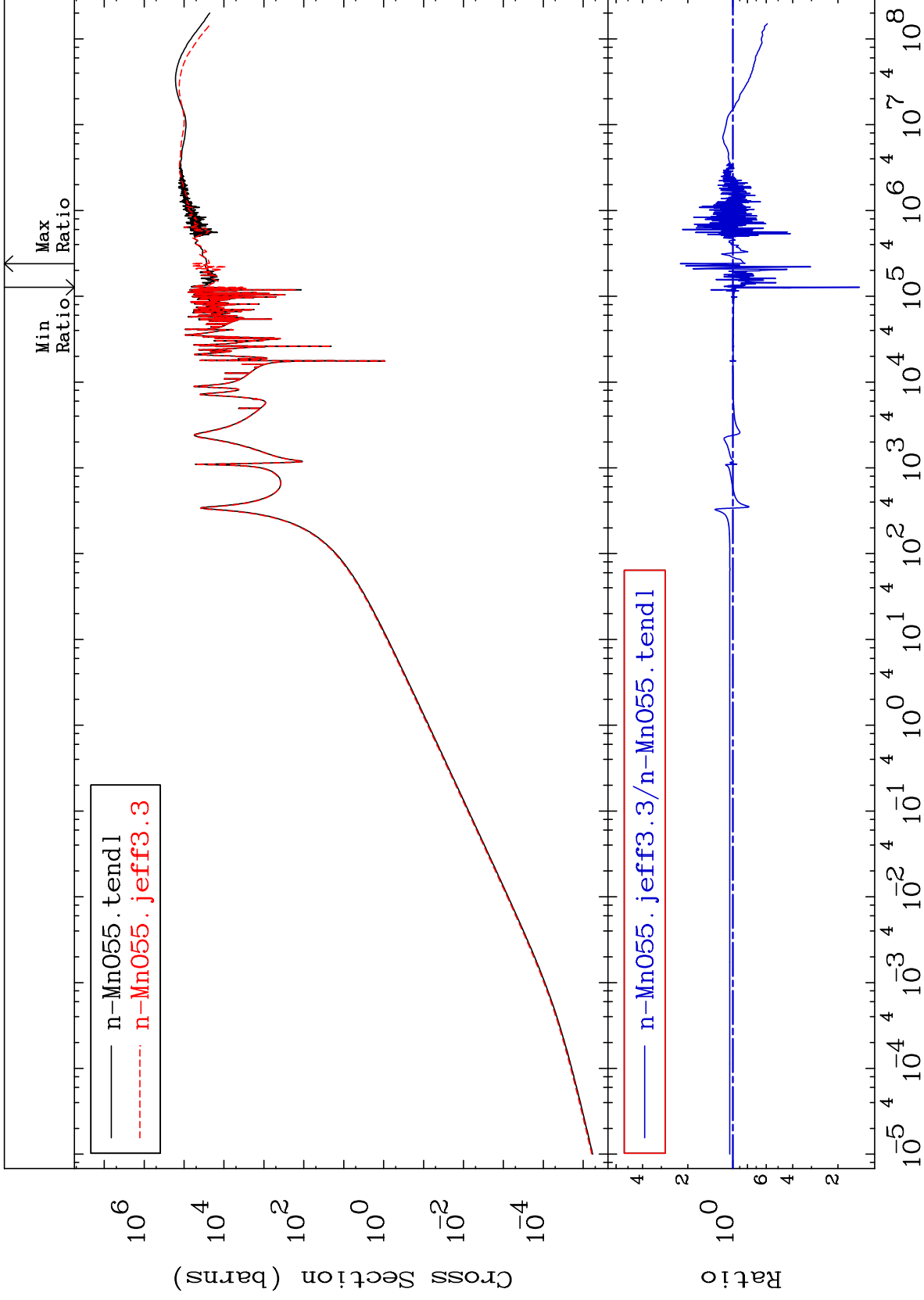
Incident Energy (eV)

25-Mn-55

MAT 2525

Kerma elastic
Cross Section

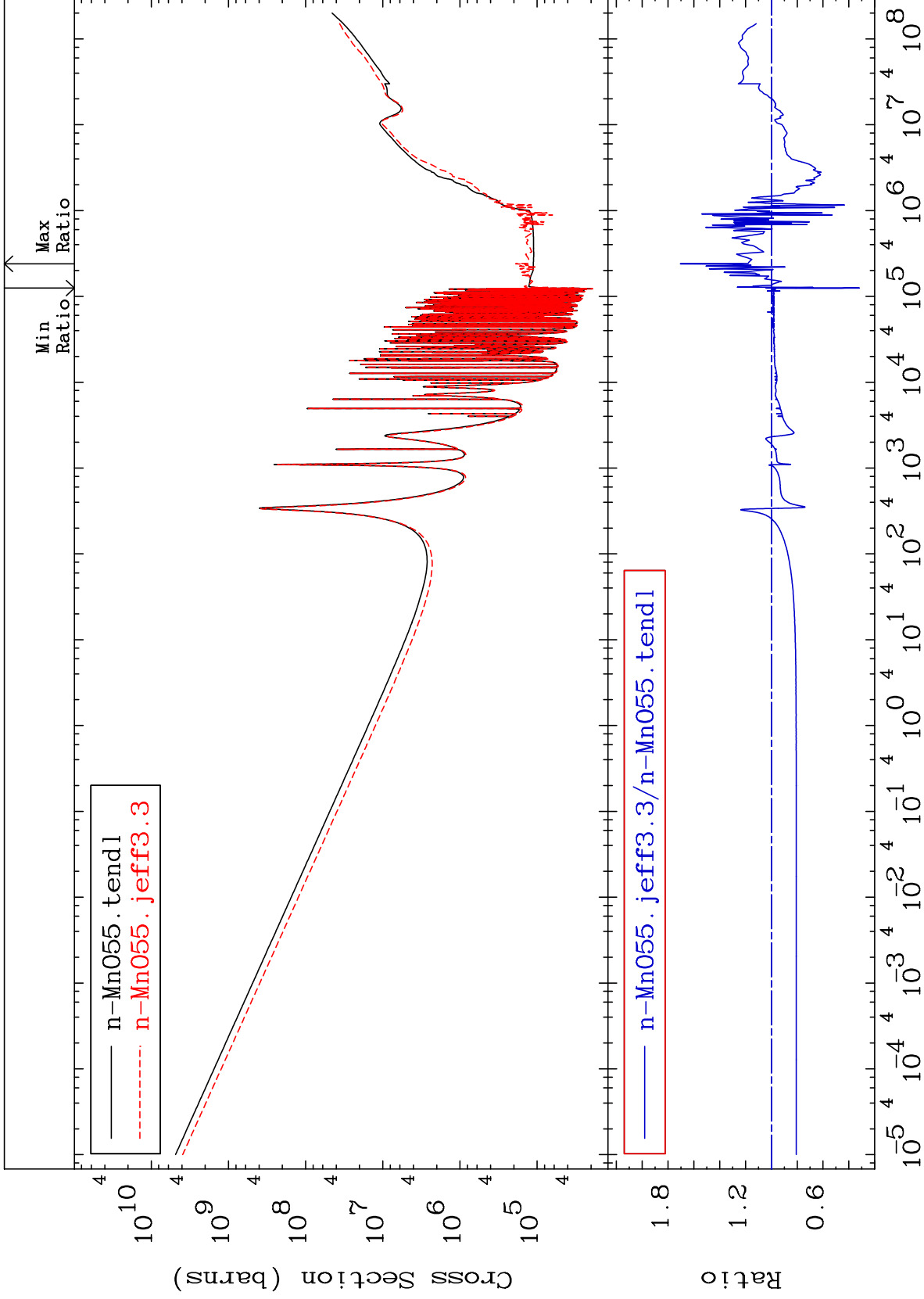
25-Mn-55
-85.63 To 124.1 %

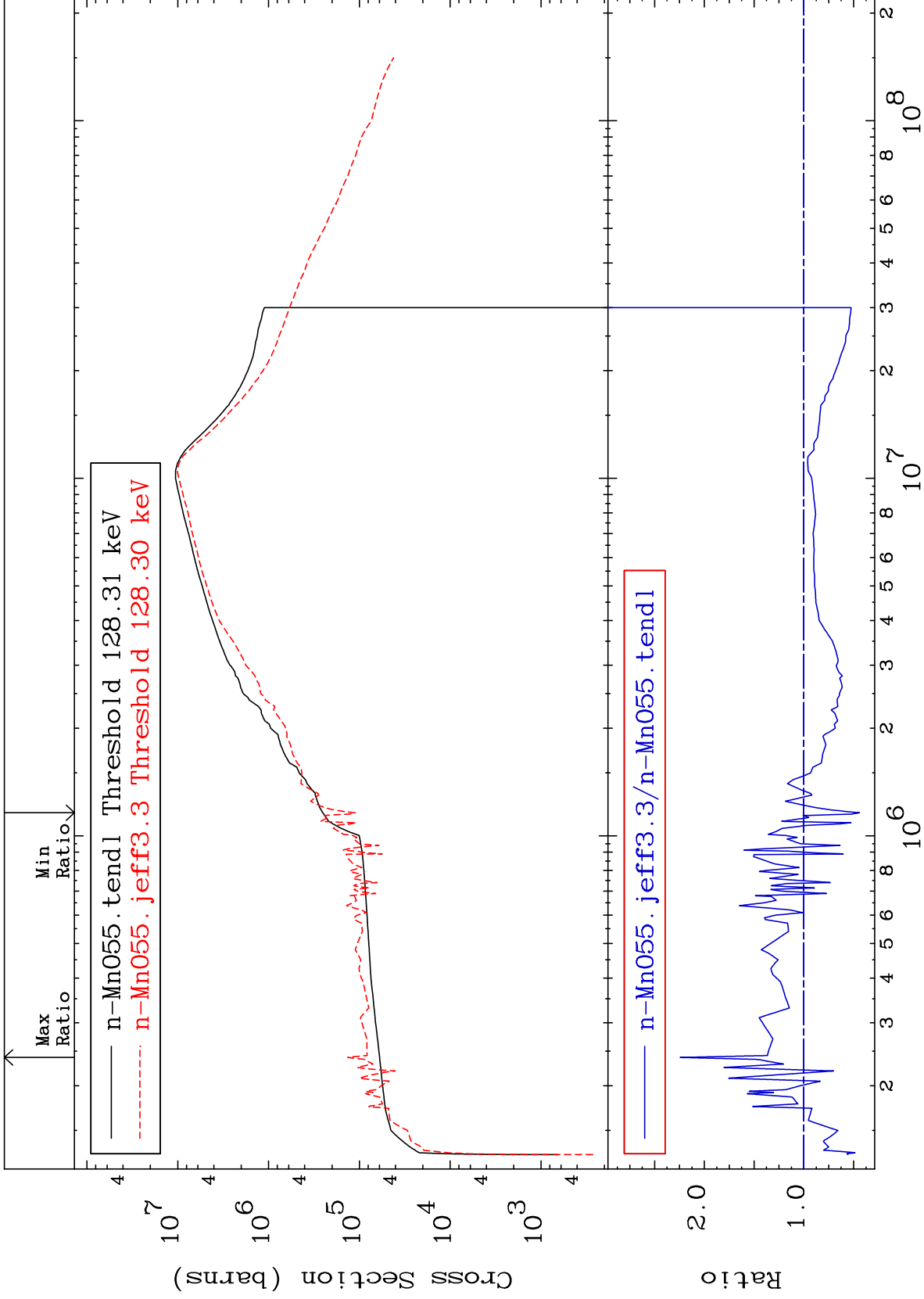


47

Incident Energy (eV)

25-Mn-55

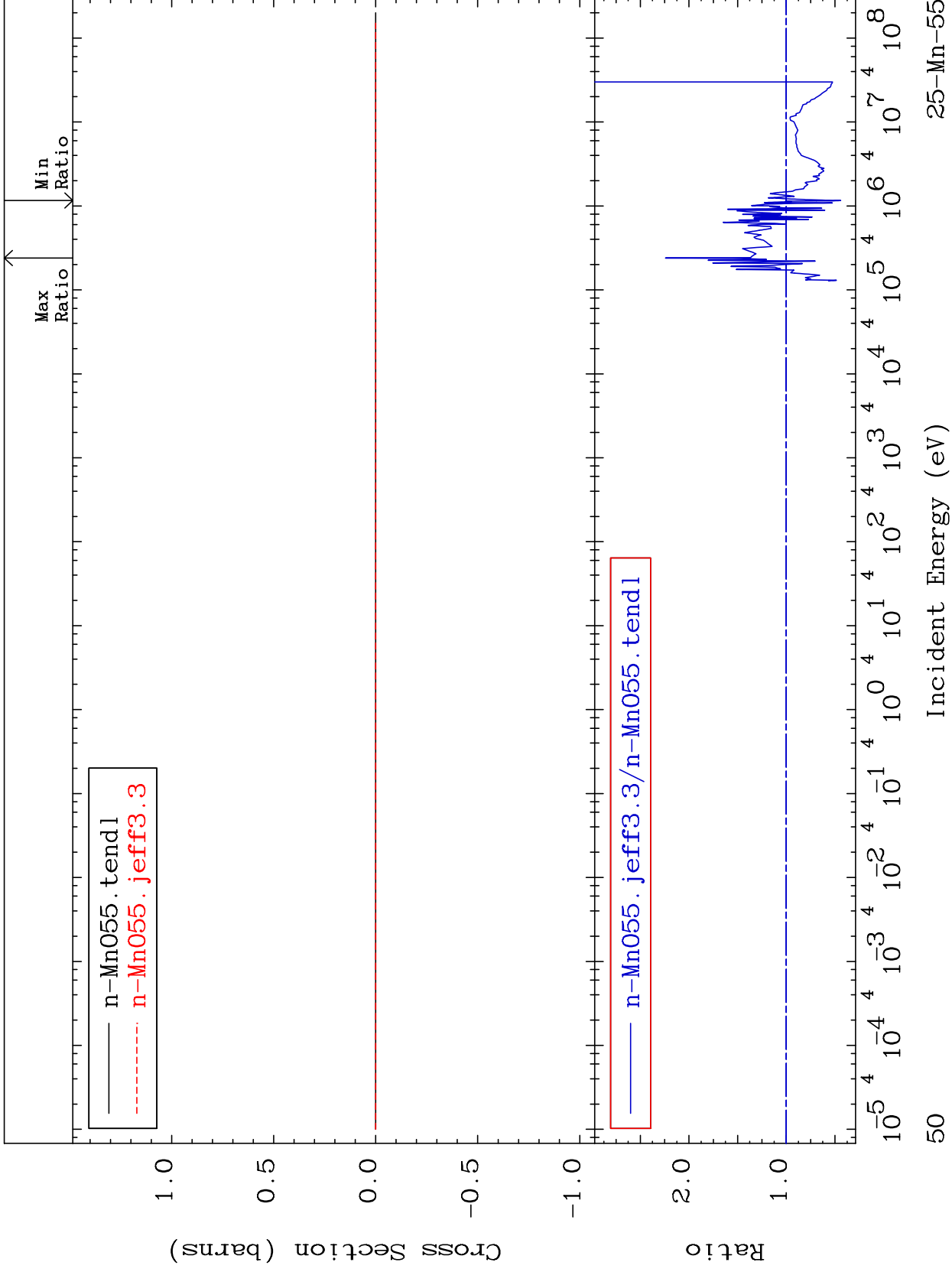




MAT 2525

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

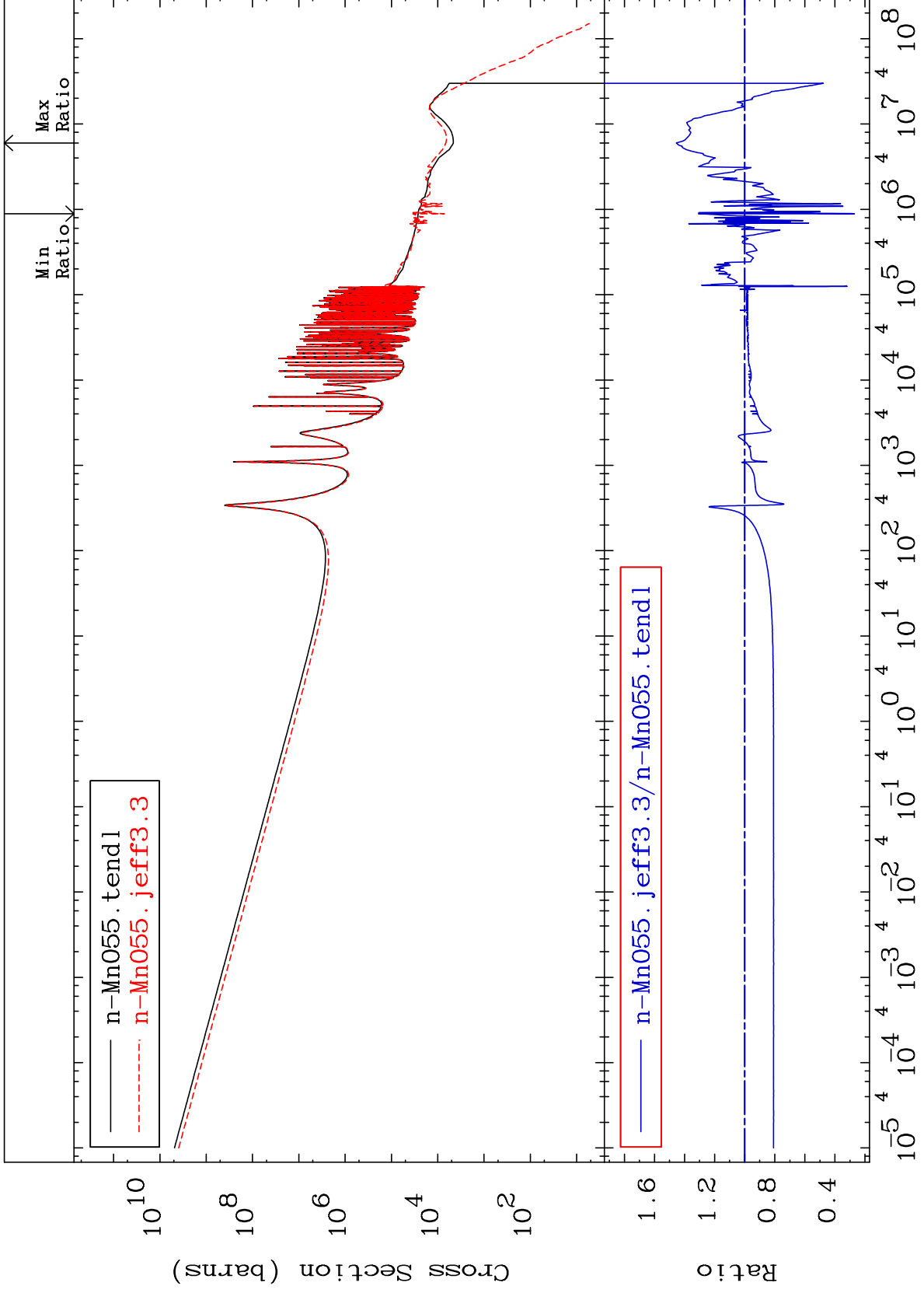
25-Mn-55
-55.89 To 124.1 %



MAT 2525

Kerma capture (mt102)
Cross Section

25-Mn-55
-72.96 To 45.48 %

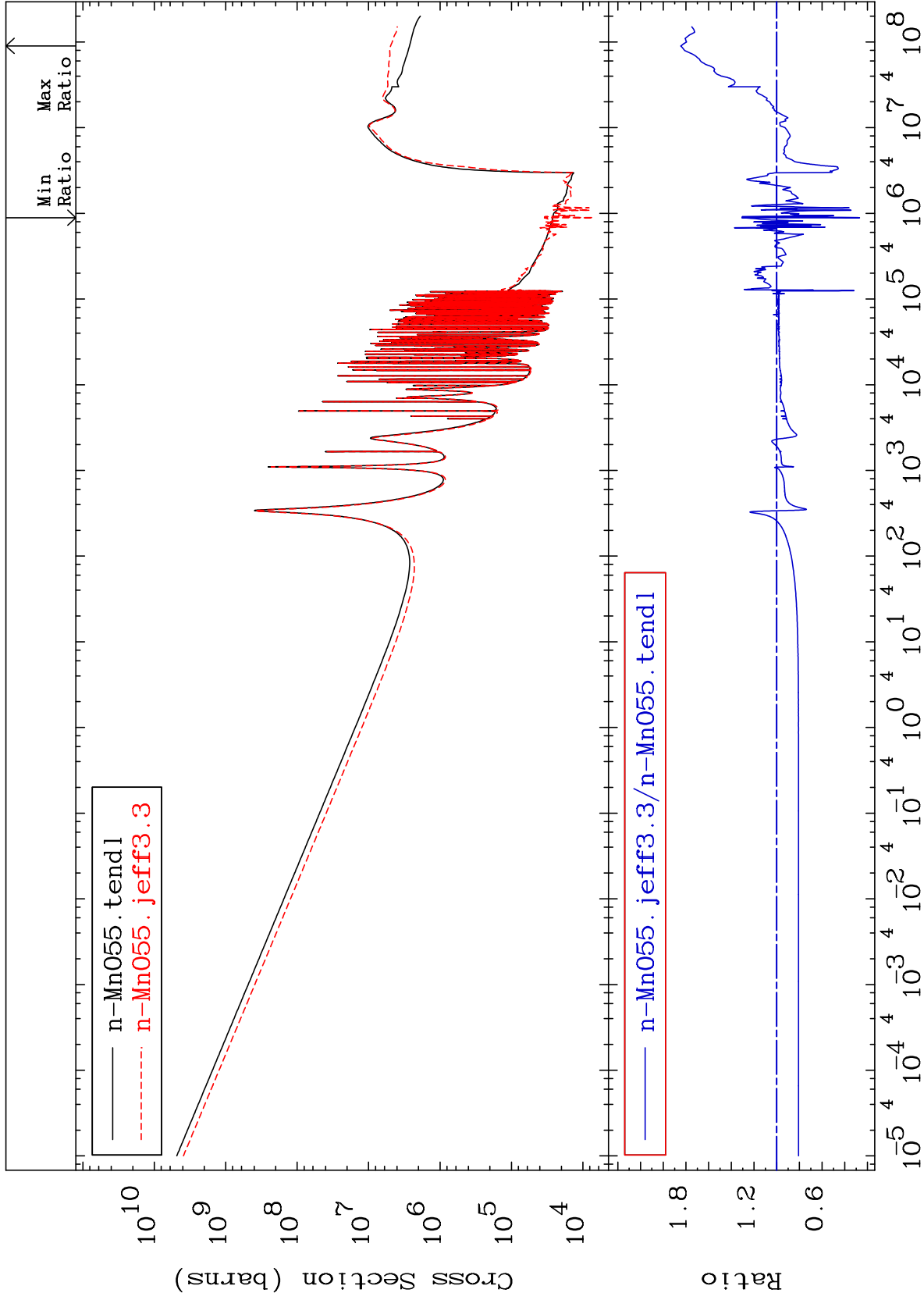


MAT 2525

Total photon (eV-barns)
Cross Section

25-Mn-55

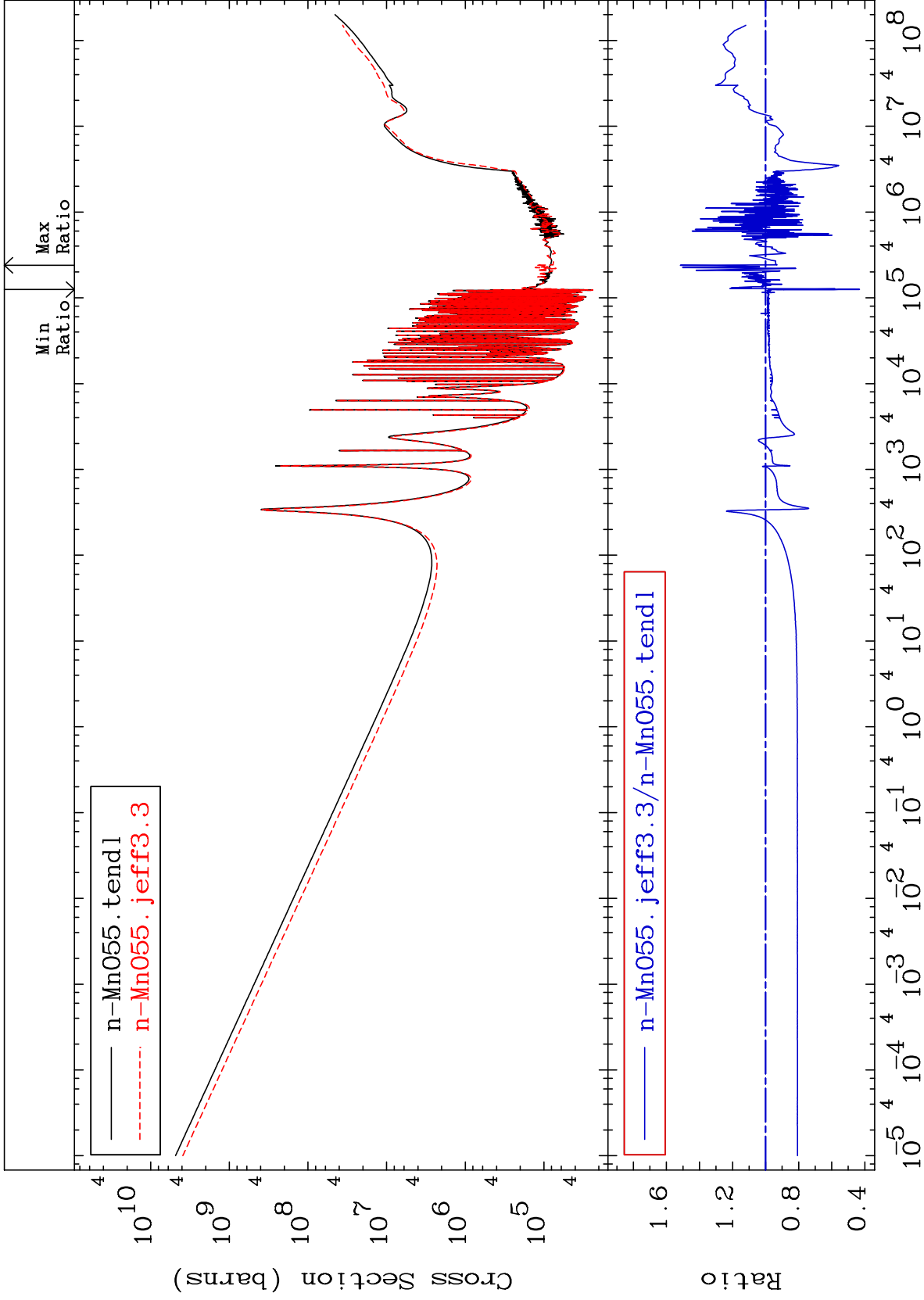
-72.96 To 84.55 %

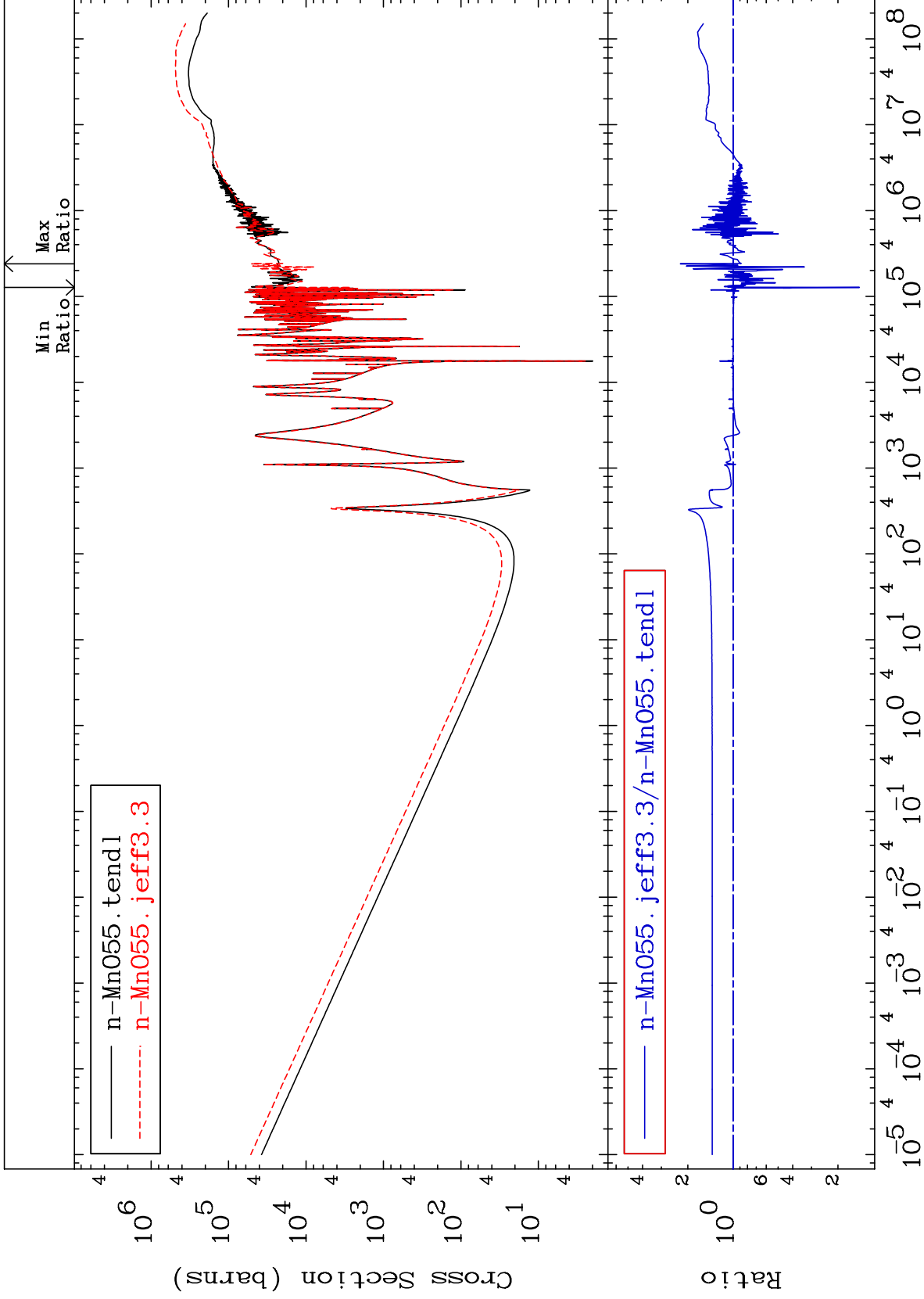


52

Incident Energy (eV)

25-Mn-55

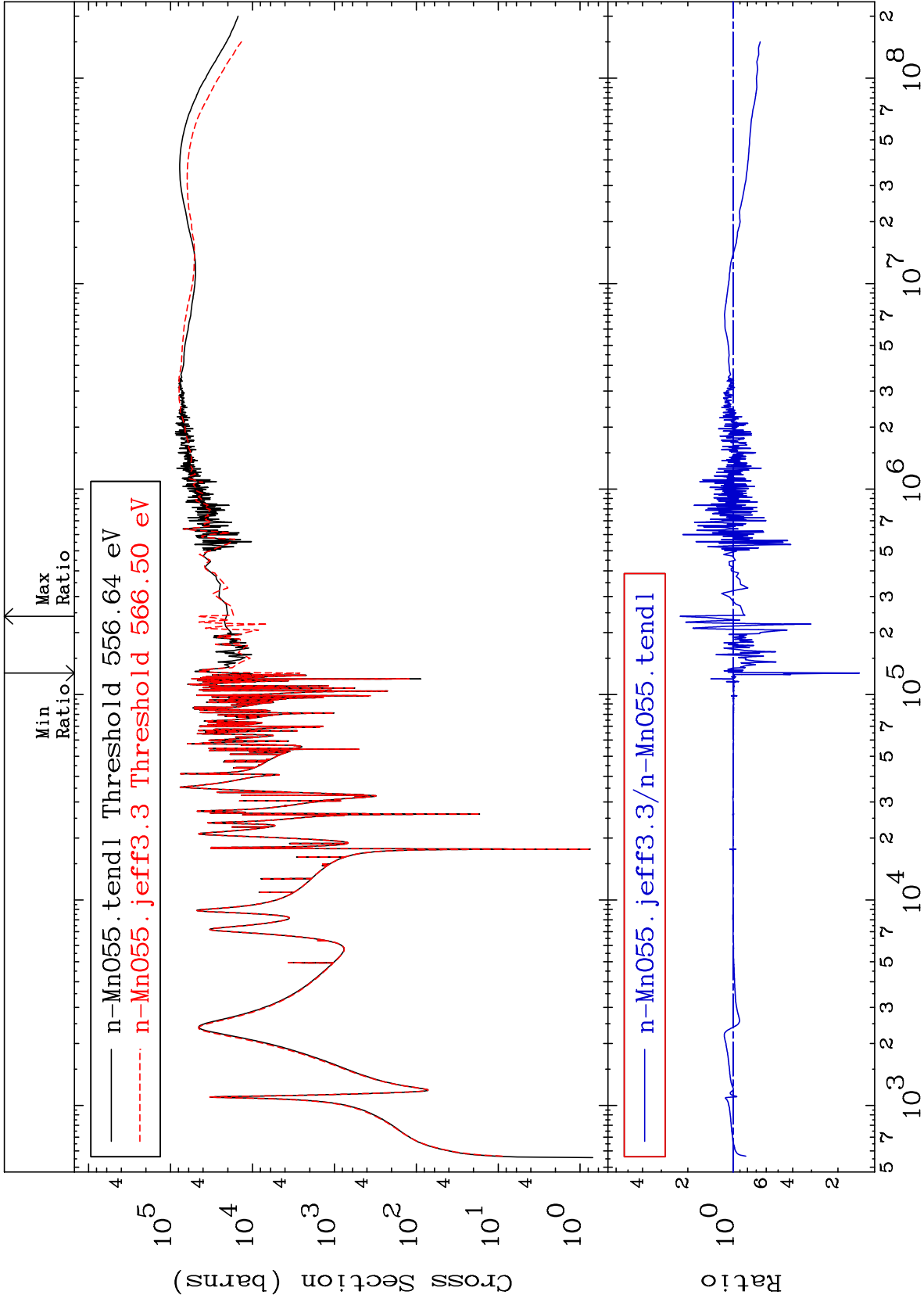




MAT 2525

Dpa elastic (mt2)
Cross Section

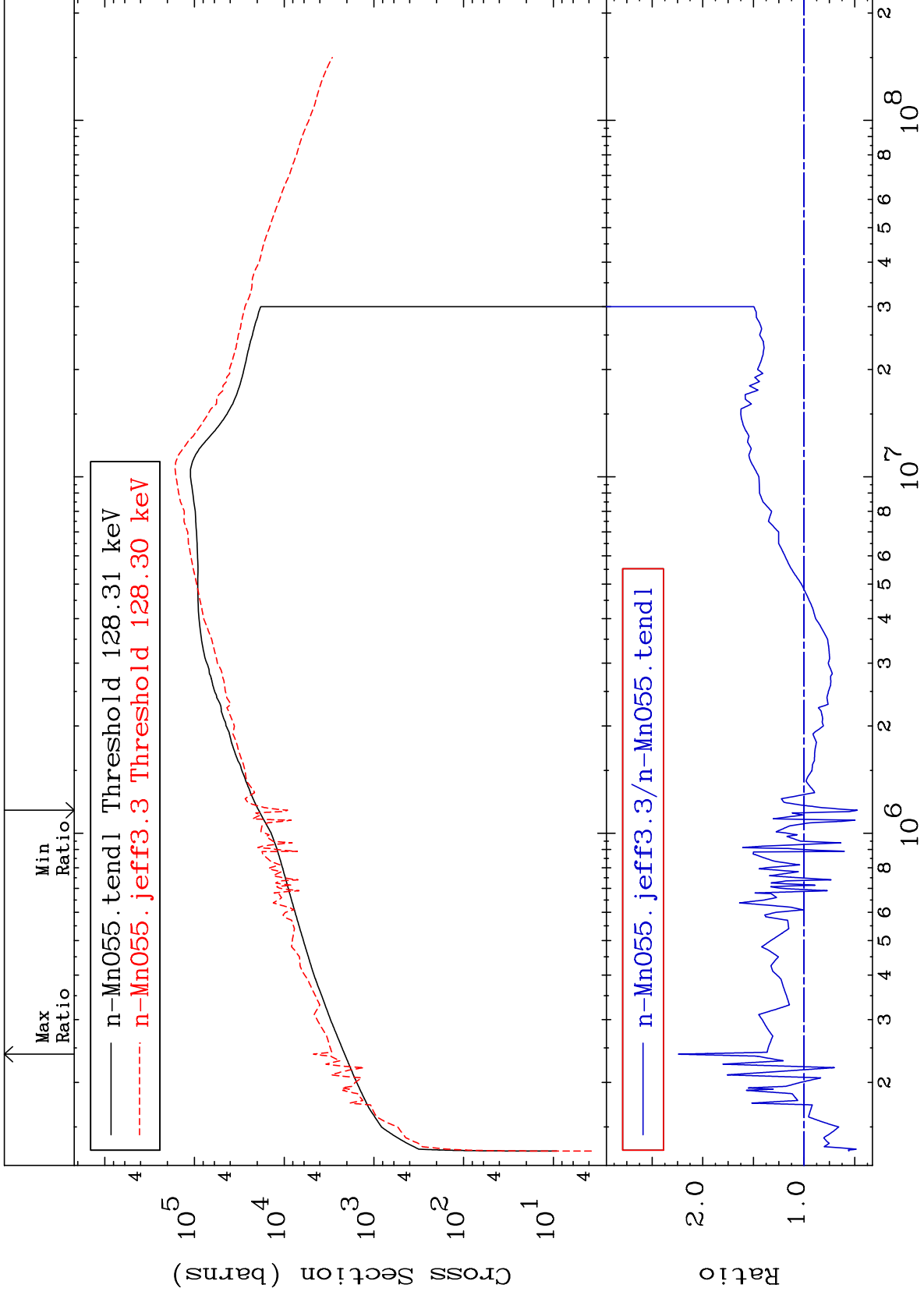
25-Mn-55
-85.62 To 124.2 %



55

Incident Energy (eV)

25-Mn-55



MAT 2525

Dpa disappearance (mt102 -120)
Cross Section

25-Mn-55
-86.08 To 544.6 %

