

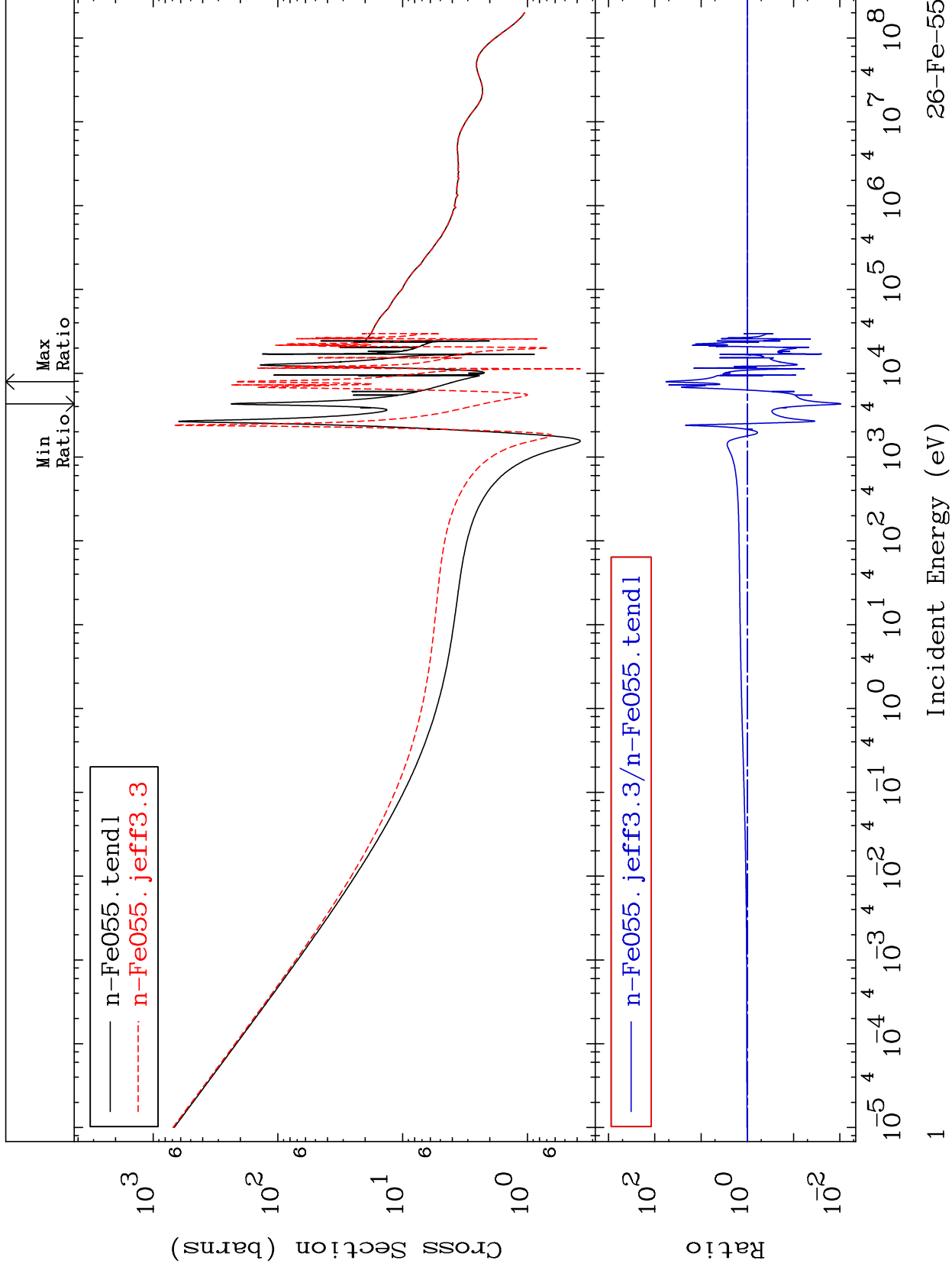
MAT 2628

Total

26-Fe-55

Cross Section

-99.05 To 5638. %



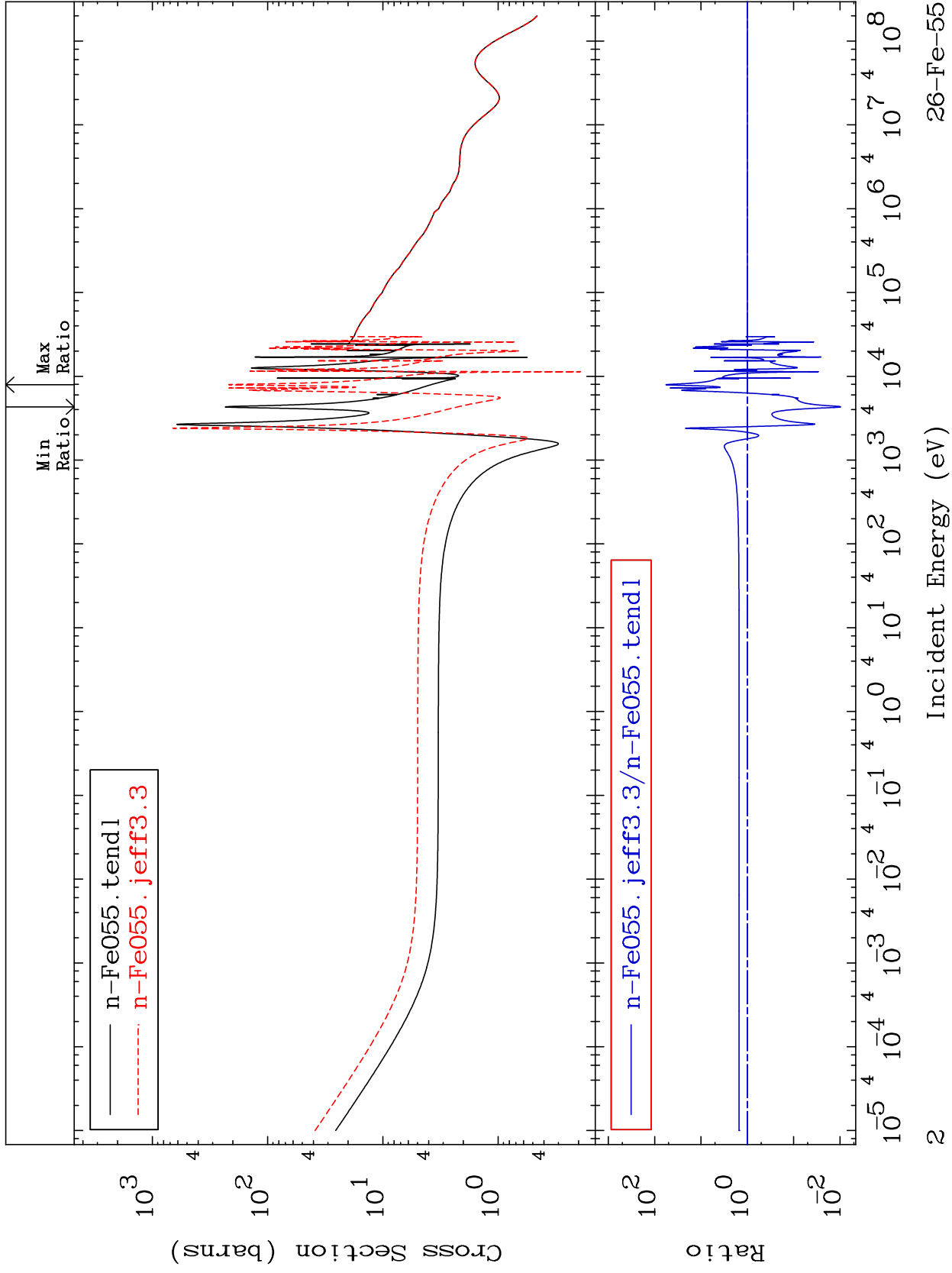
Incident Energy (eV)

26-Fe-55

MAT 2628

Elastic
Cross Section

26-Fe-55
-99.04 To 5608. %



26-Fe-55

Incident Energy (eV)

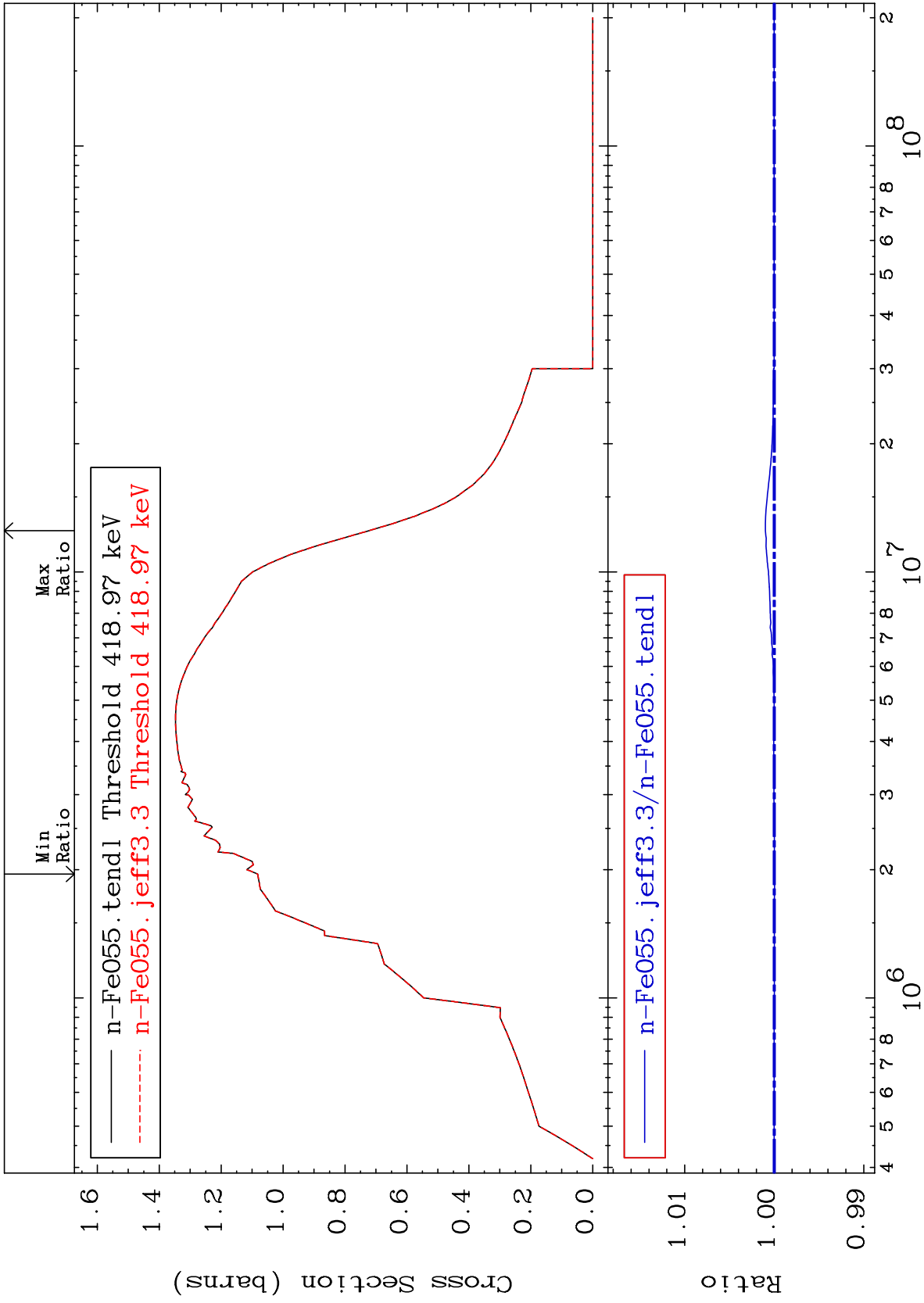
2

MAT 2628

²⁶Fe-55

Inelastic
Cross Section

-0.003 To 0.100 %



3

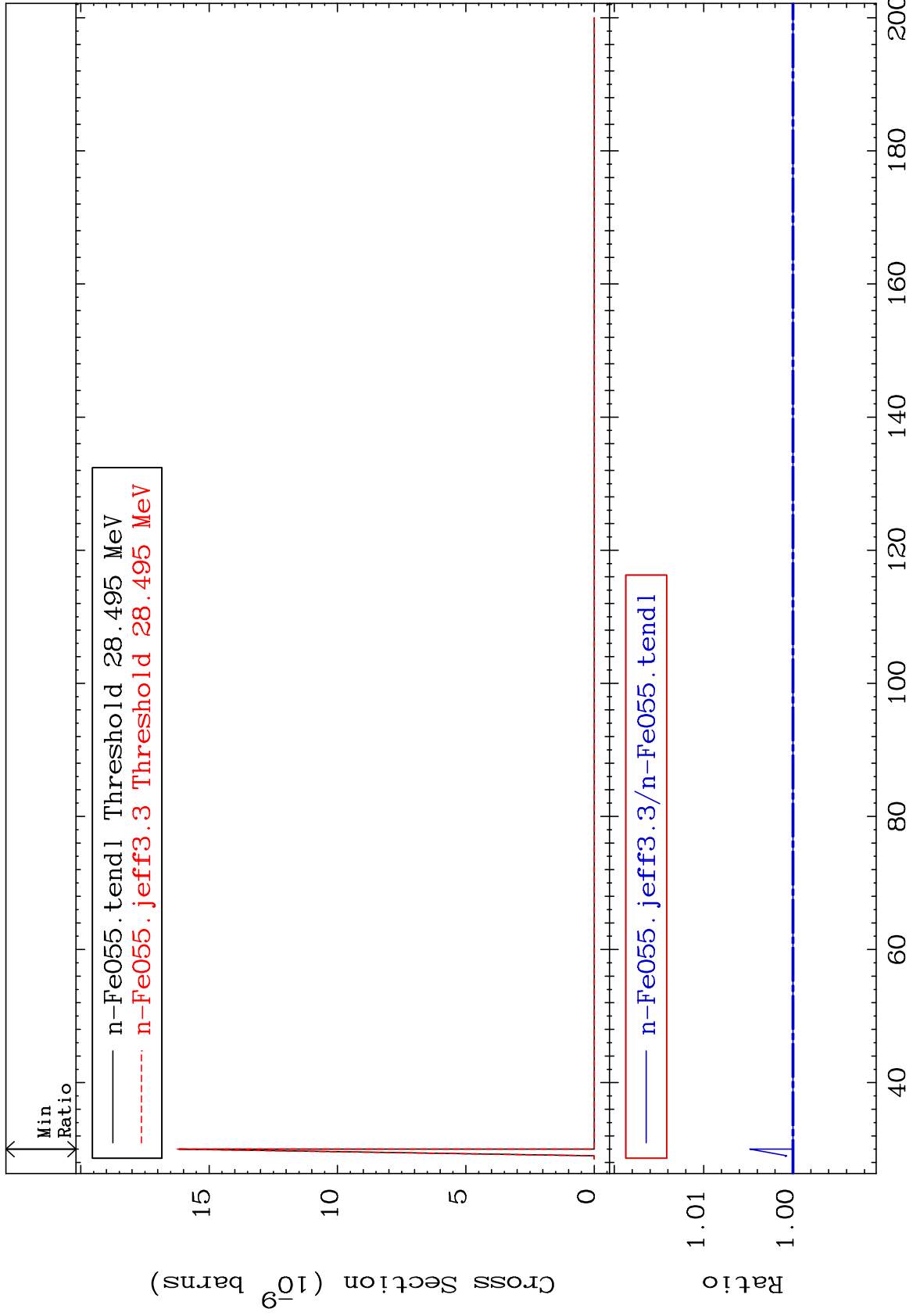
Incident Energy (eV)

²⁶Fe-55

MAT 2628

(n,2n) d
Cross Section

26-Fe-55
0.000 To 0.482 %



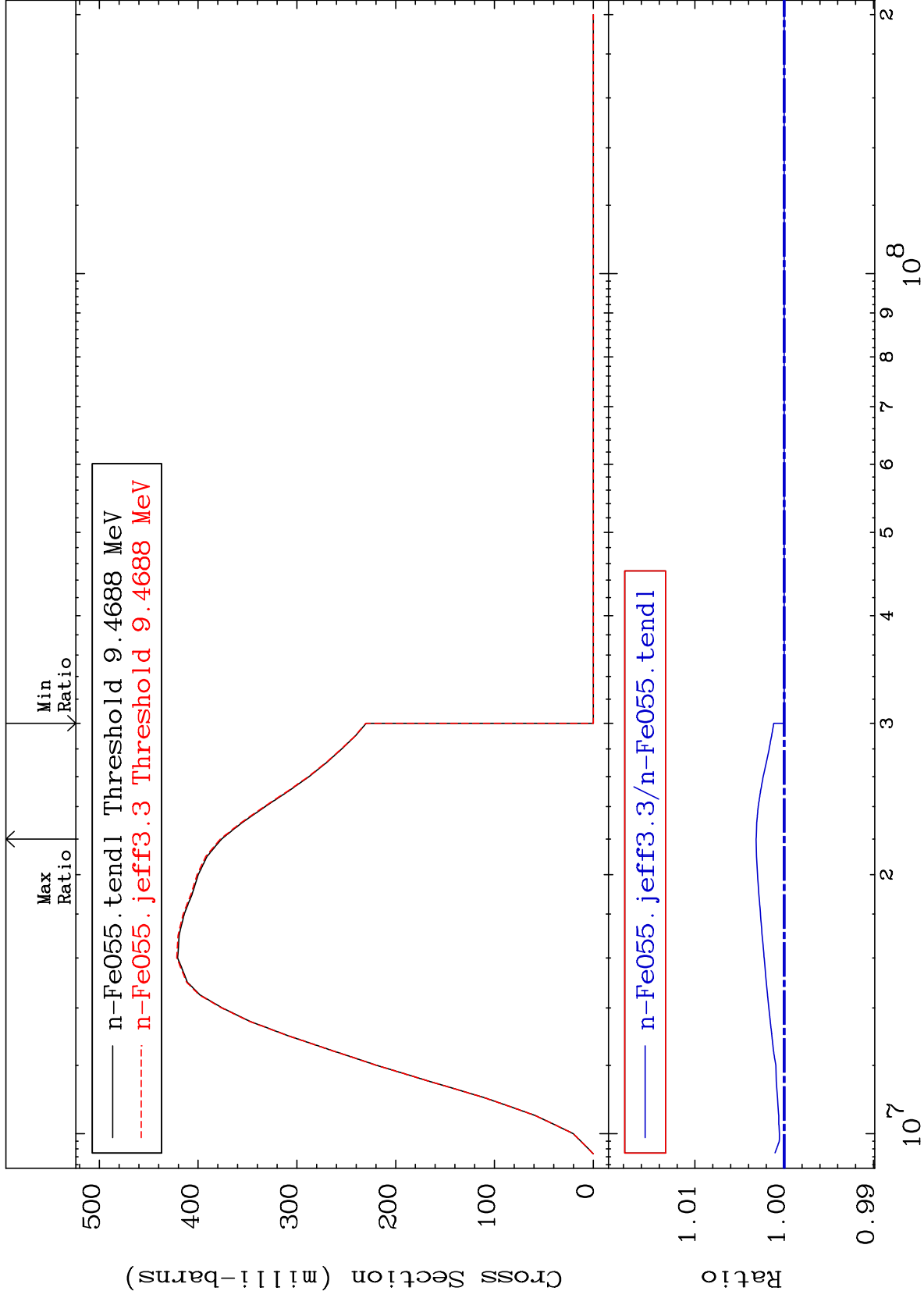
MAT 2628

(n,2n)

²⁶Fe-55

Cross Section

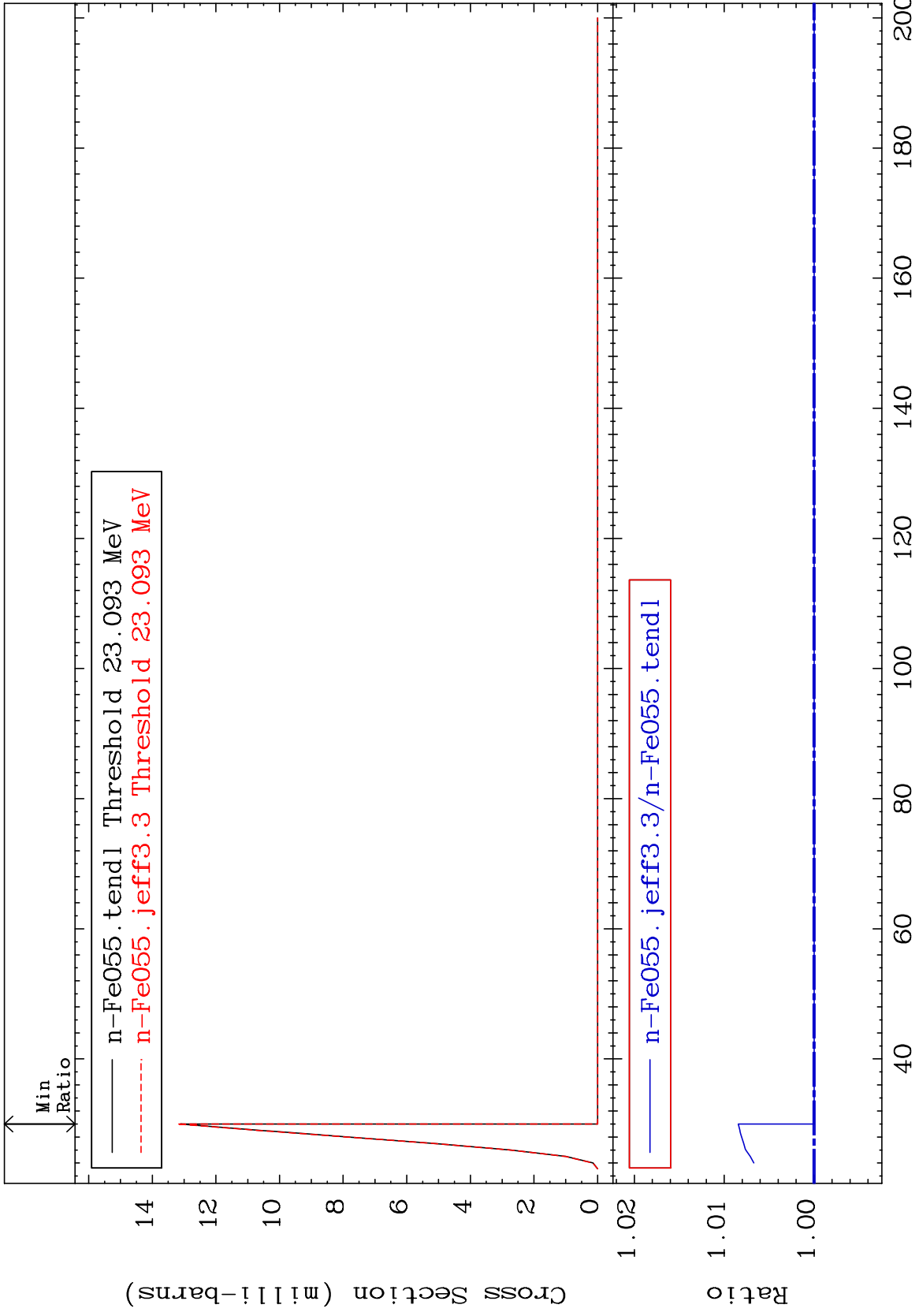
0.000 To 0.315 %



MAT 2628

(n,3n)
Cross Section

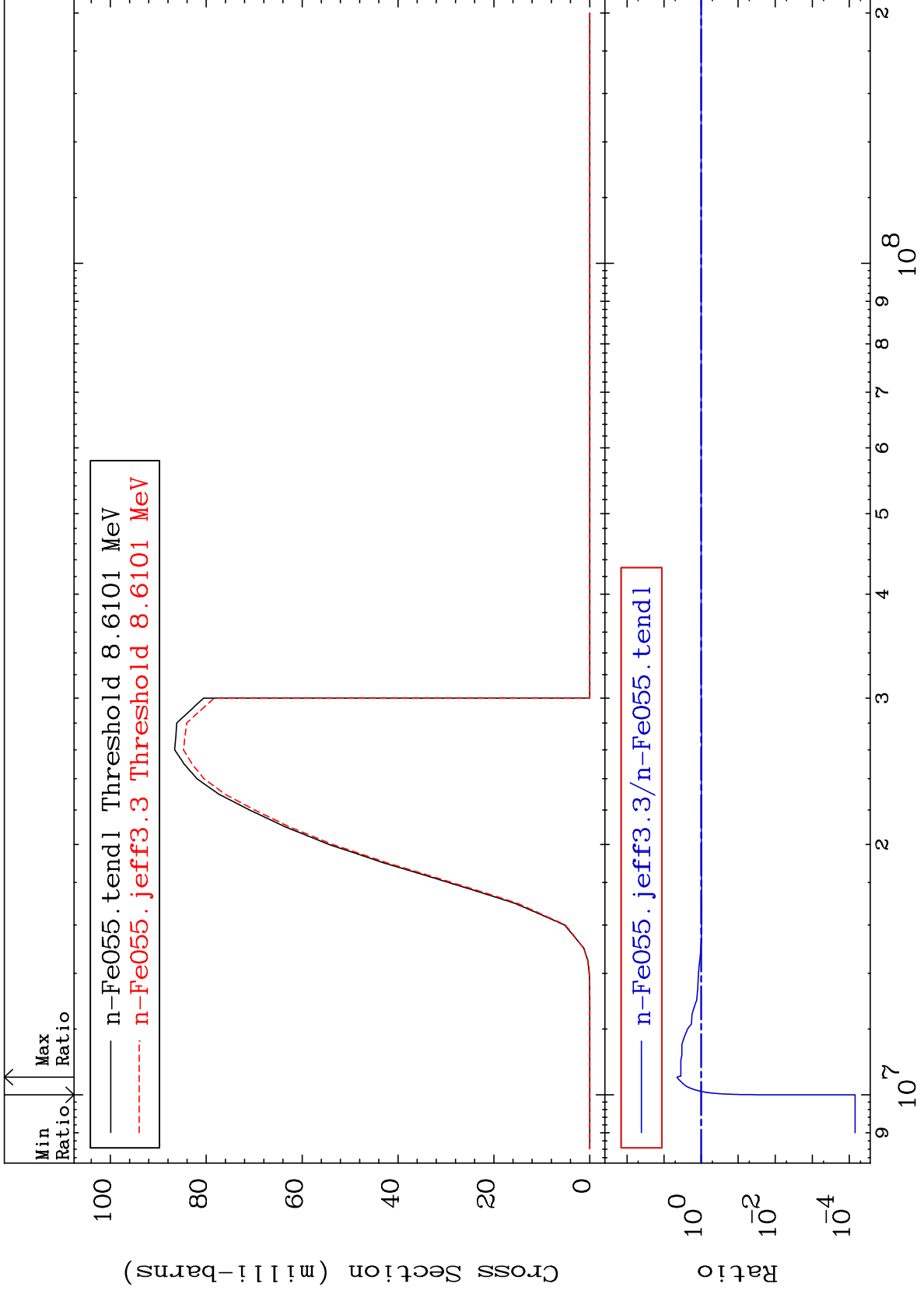
²⁶Fe-55
0.000 To 0.843 %



MAT 2628

(n, n') α
Cross Section

26-Fe-55
-99.99 To 349.5 %



7

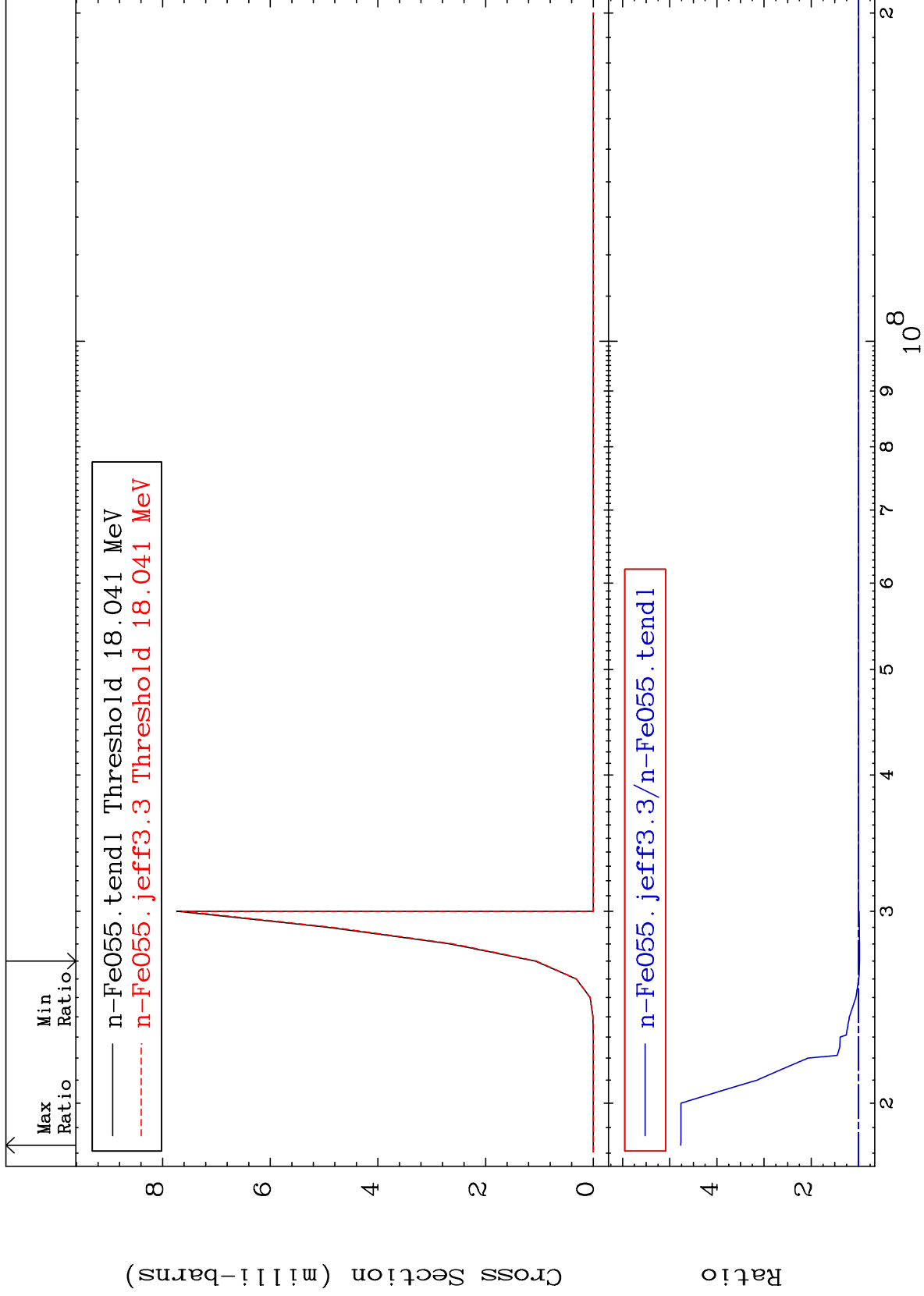
Incident Energy (eV)

26-Fe-55

MAT 2628

(n,2n) α
Cross Section

²⁶Fe-55
-2.375 To 376.6 %



8

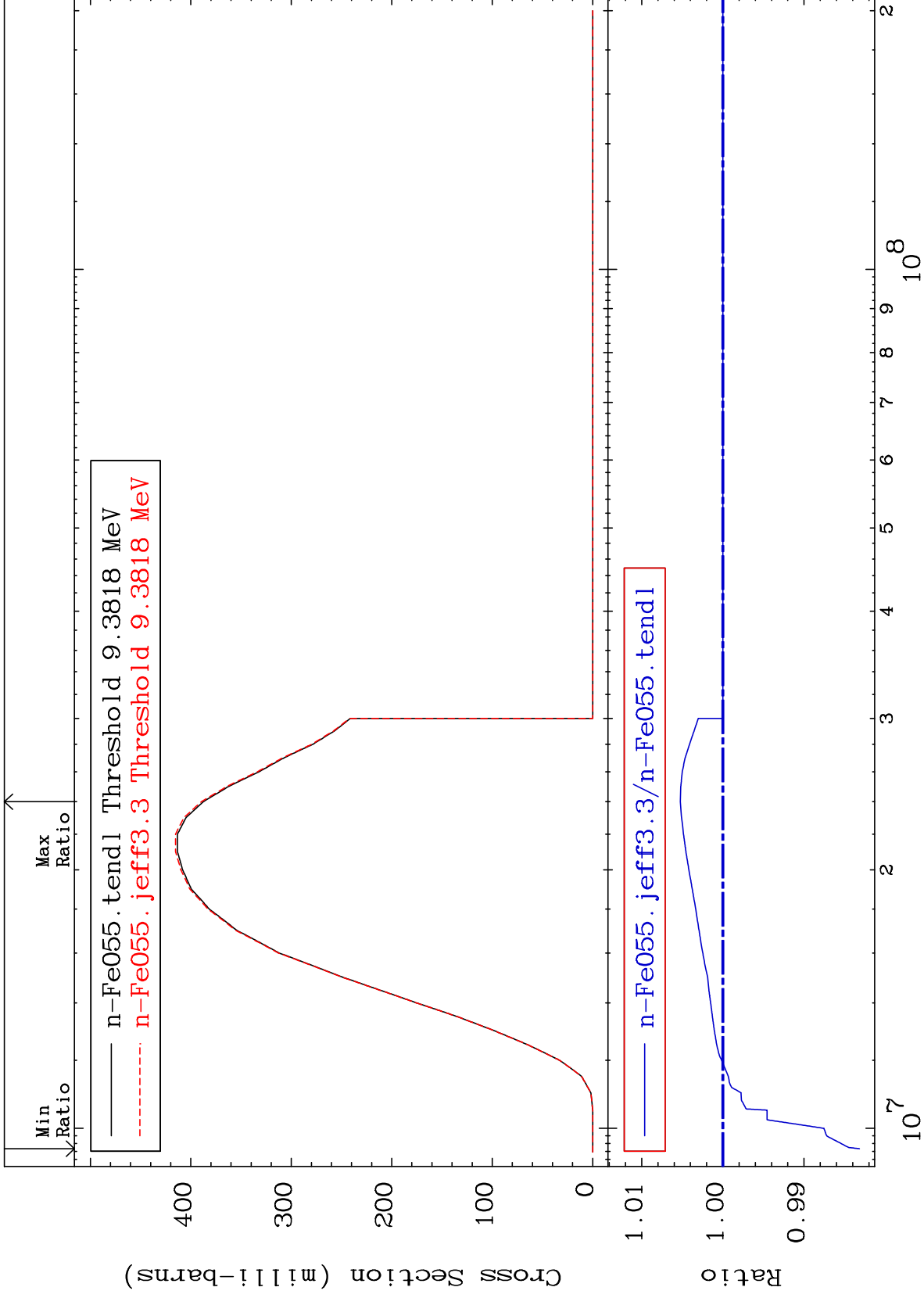
Incident Energy (eV)

²⁶Fe-55

MAT 2628

(n,n') p
Cross Section

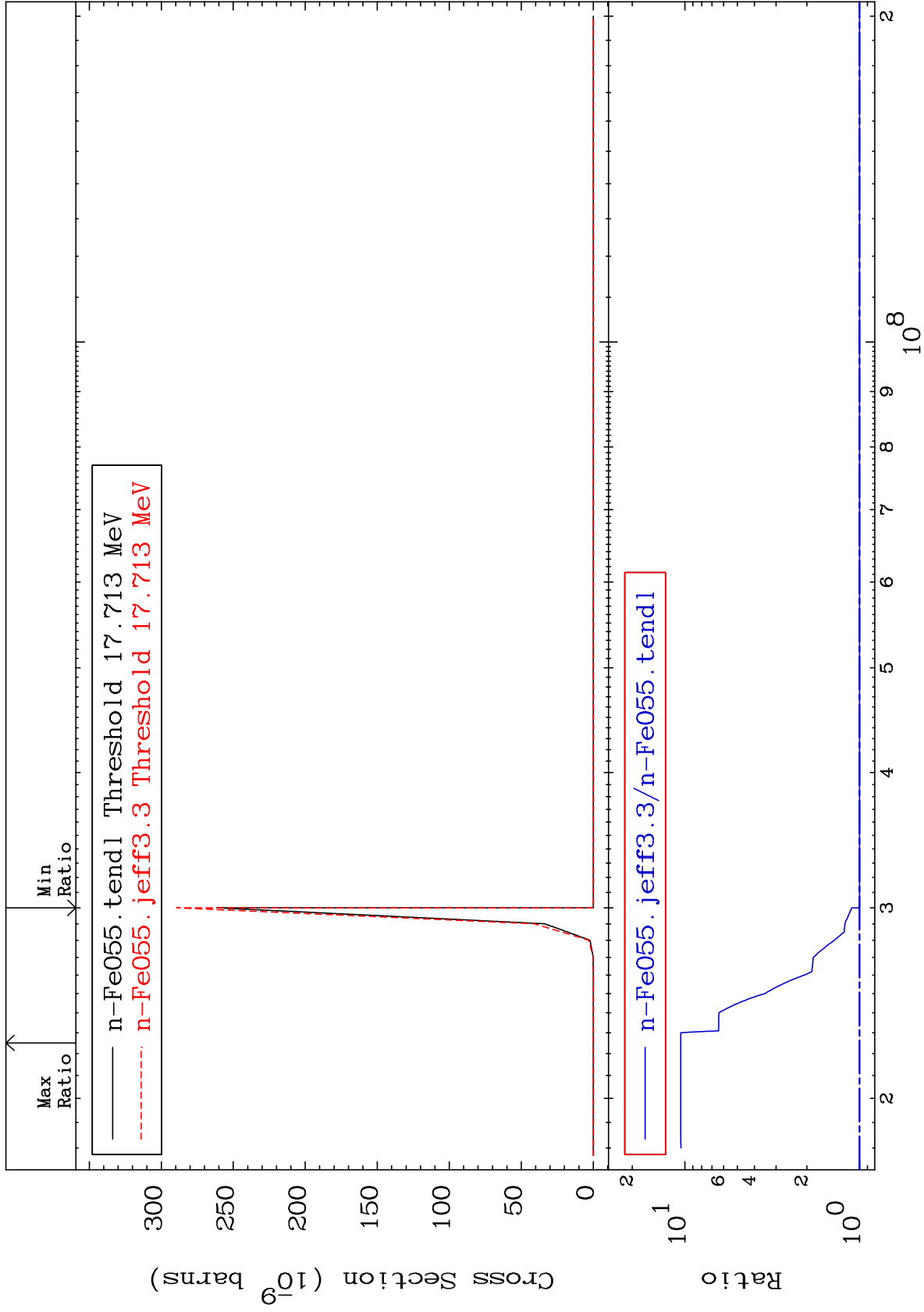
²⁶Fe-55
-1.683 To 0.524 %



MAT 2628

(n, n') 2α
Cross Section

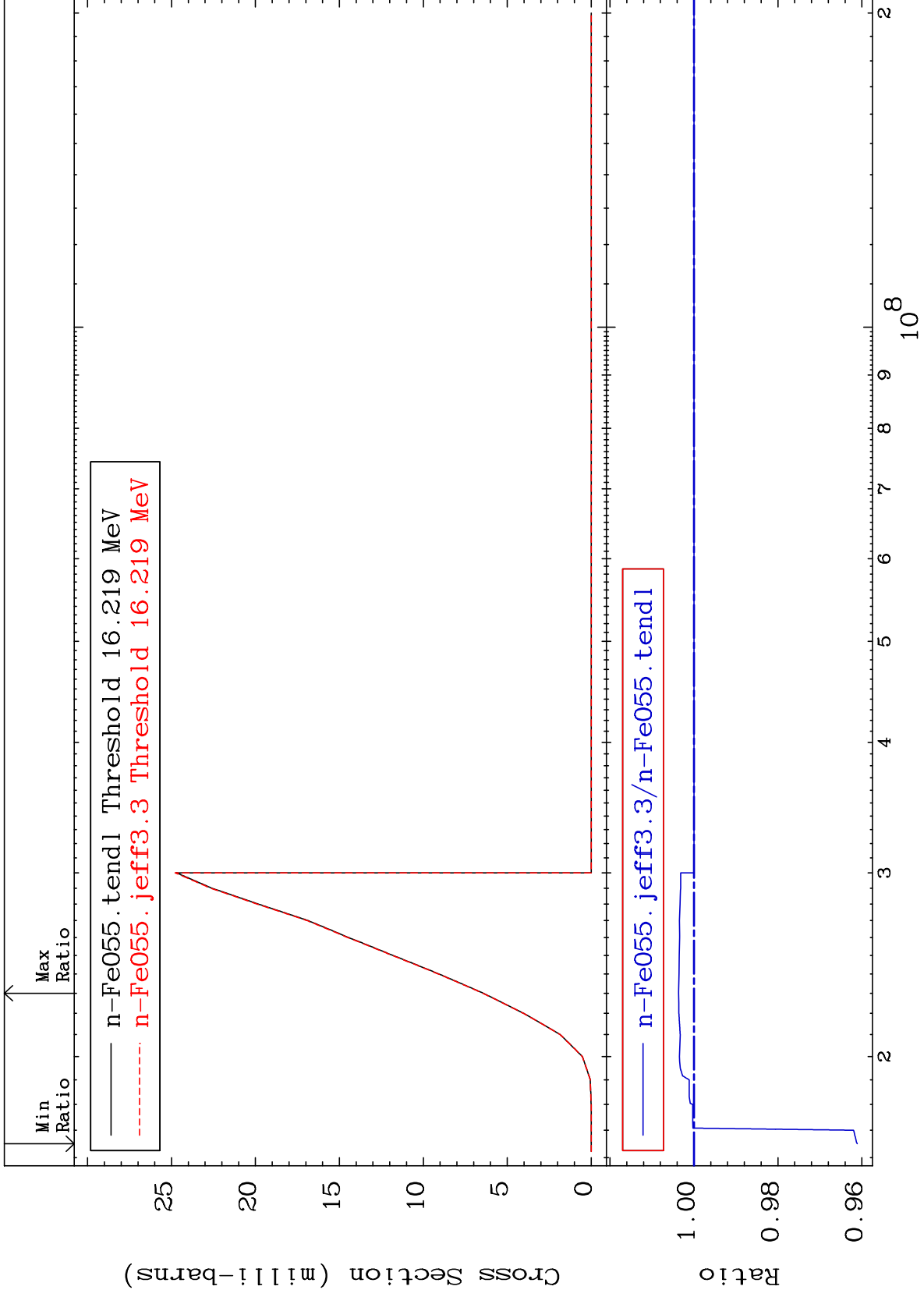
26-Fe-55
To 954.5 %



10

Incident Energy (eV)

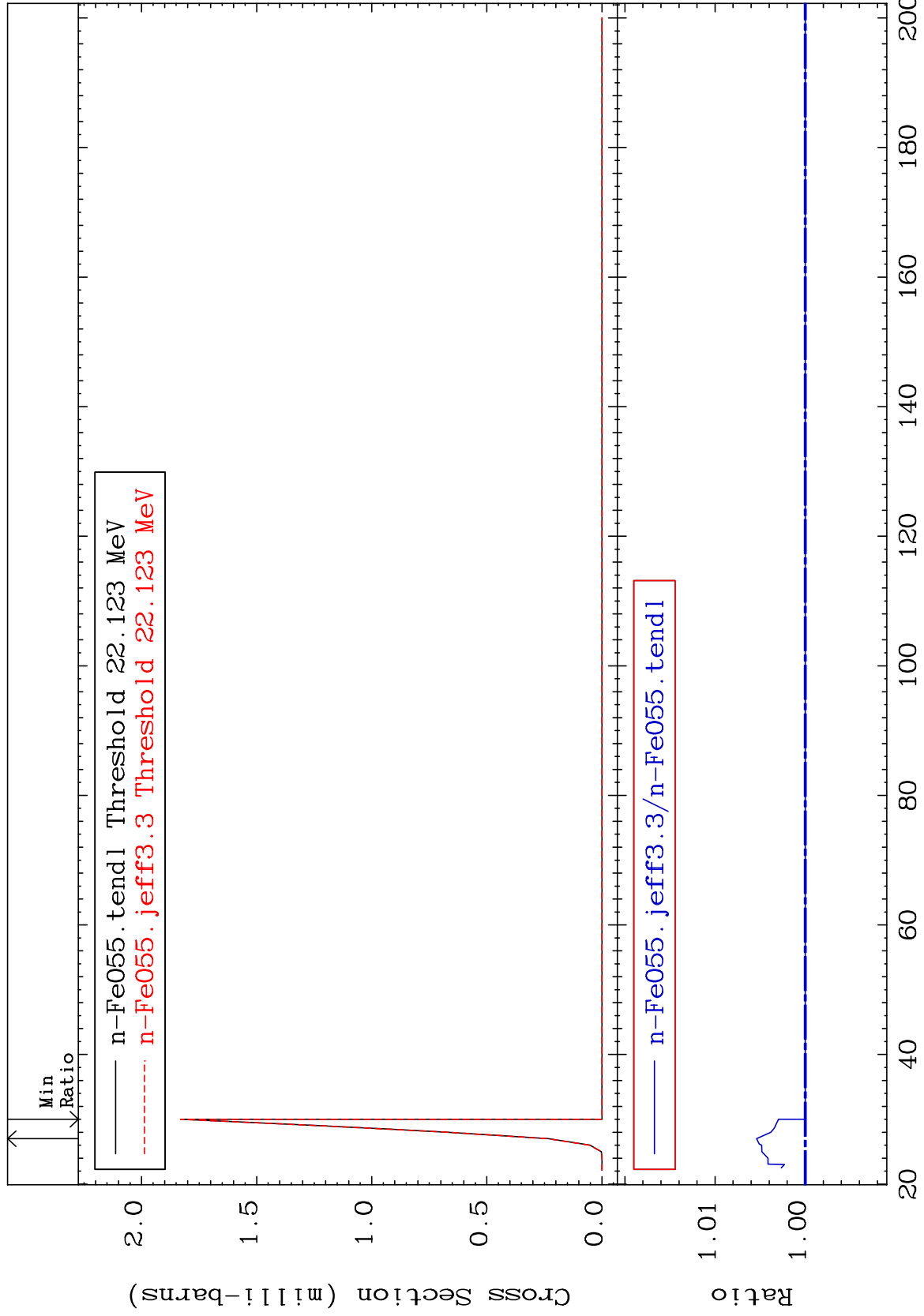
26-Fe-55

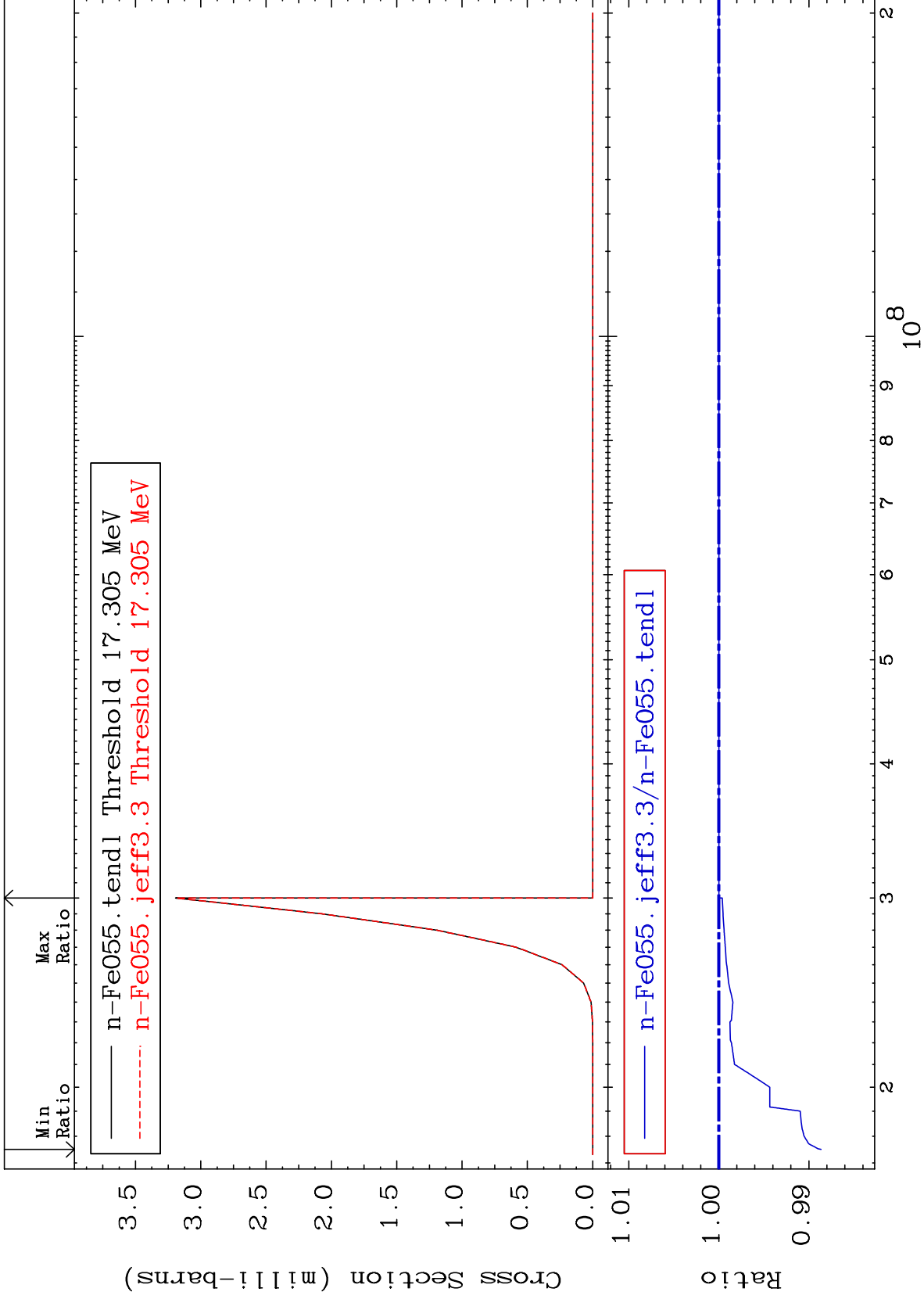


MAT 2628

(n,n') t
Cross Section

²⁶Fe-55
0.000 To 0.539 %

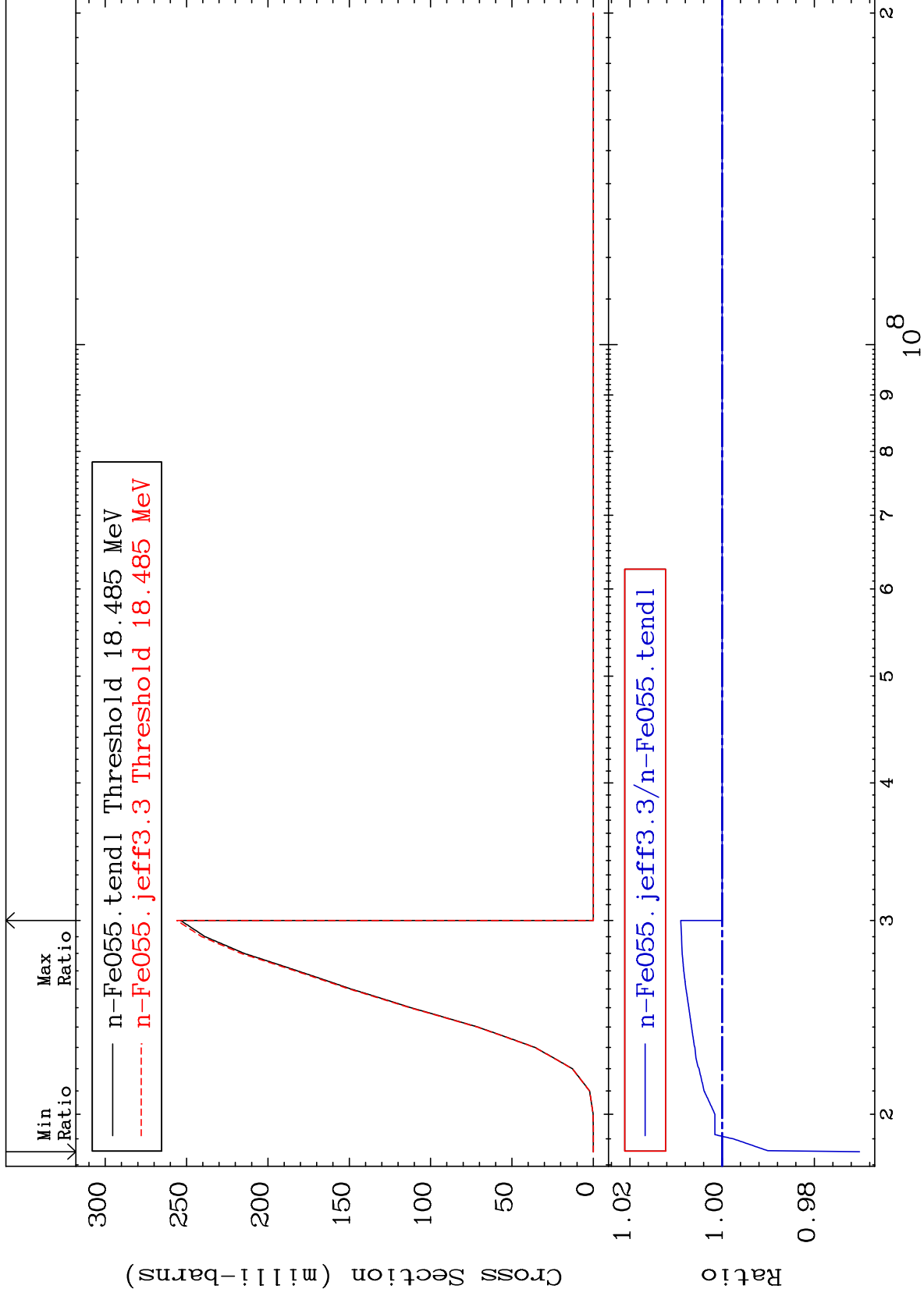




MAT 2628

(n,2n) p
Cross Section

26-Fe-55
-2.980 To 0.896 %



14

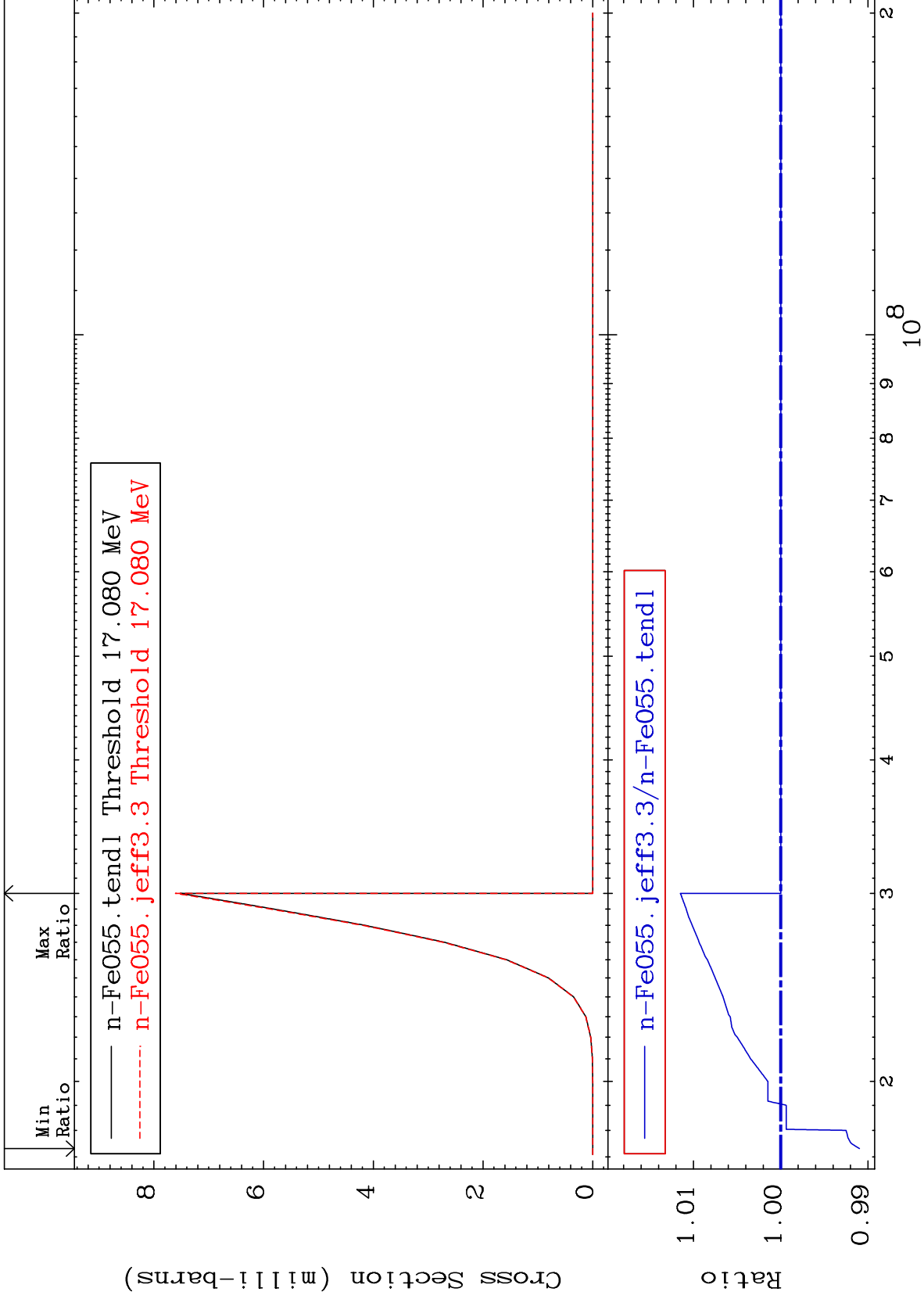
Incident Energy (eV)

26-Fe-55

MAT 2628

(n,2n) p
Cross Section

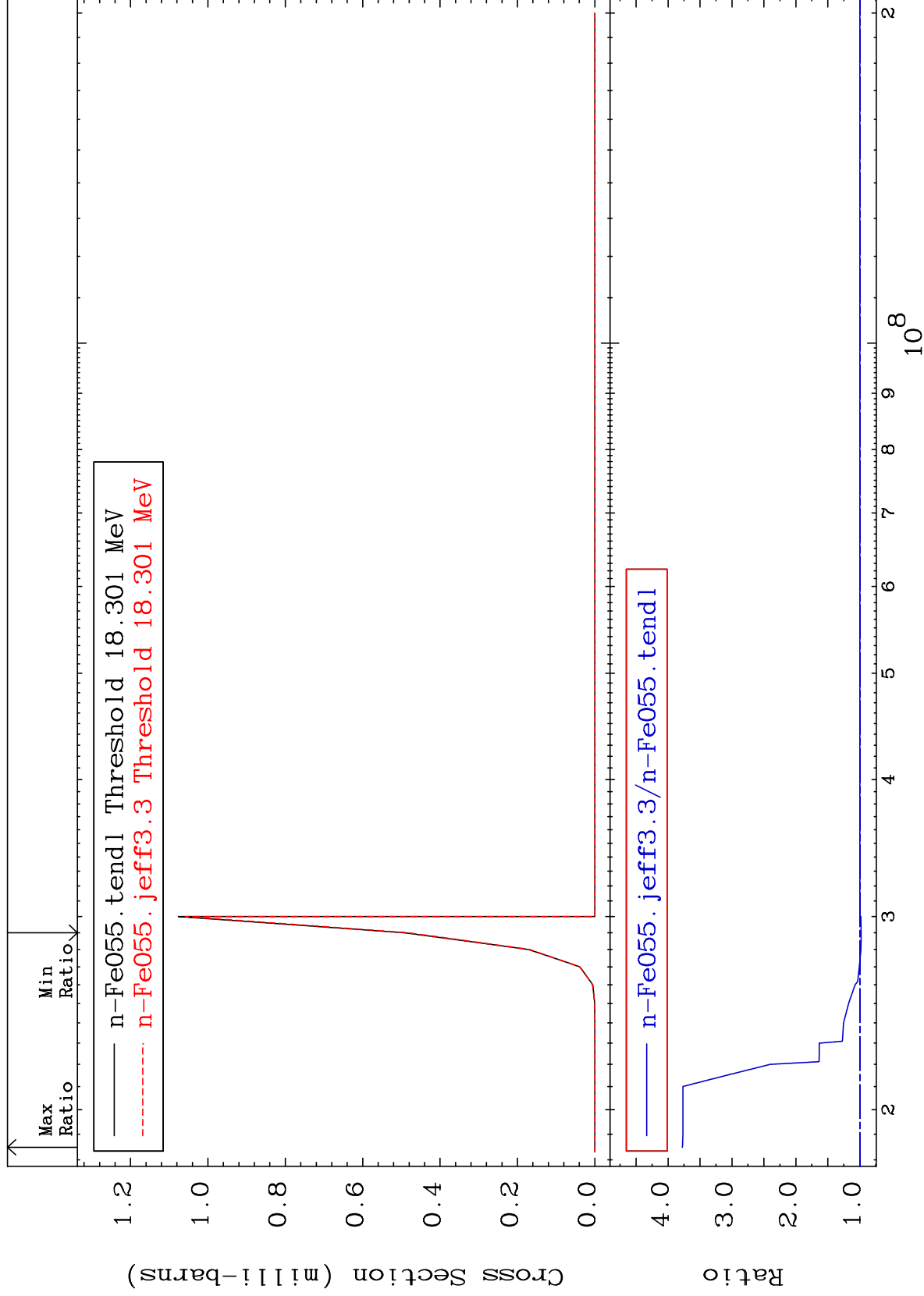
²⁶Fe-55
-0.902 To 1.150 %



15

Incident Energy (eV)

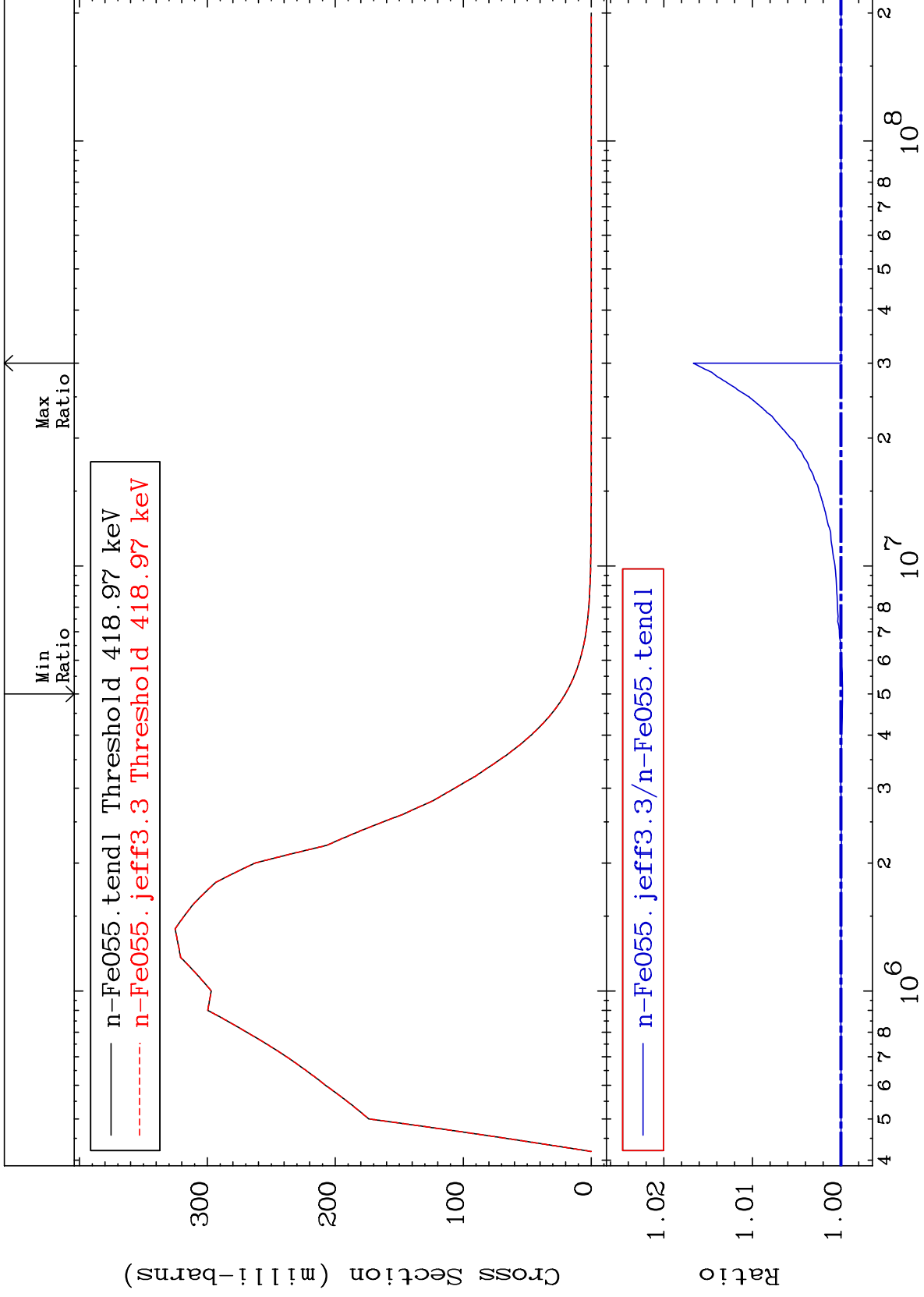
²⁶Fe-55



MAT 2628

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

²⁶Fe-55
-0.018 To 1.666 %



17

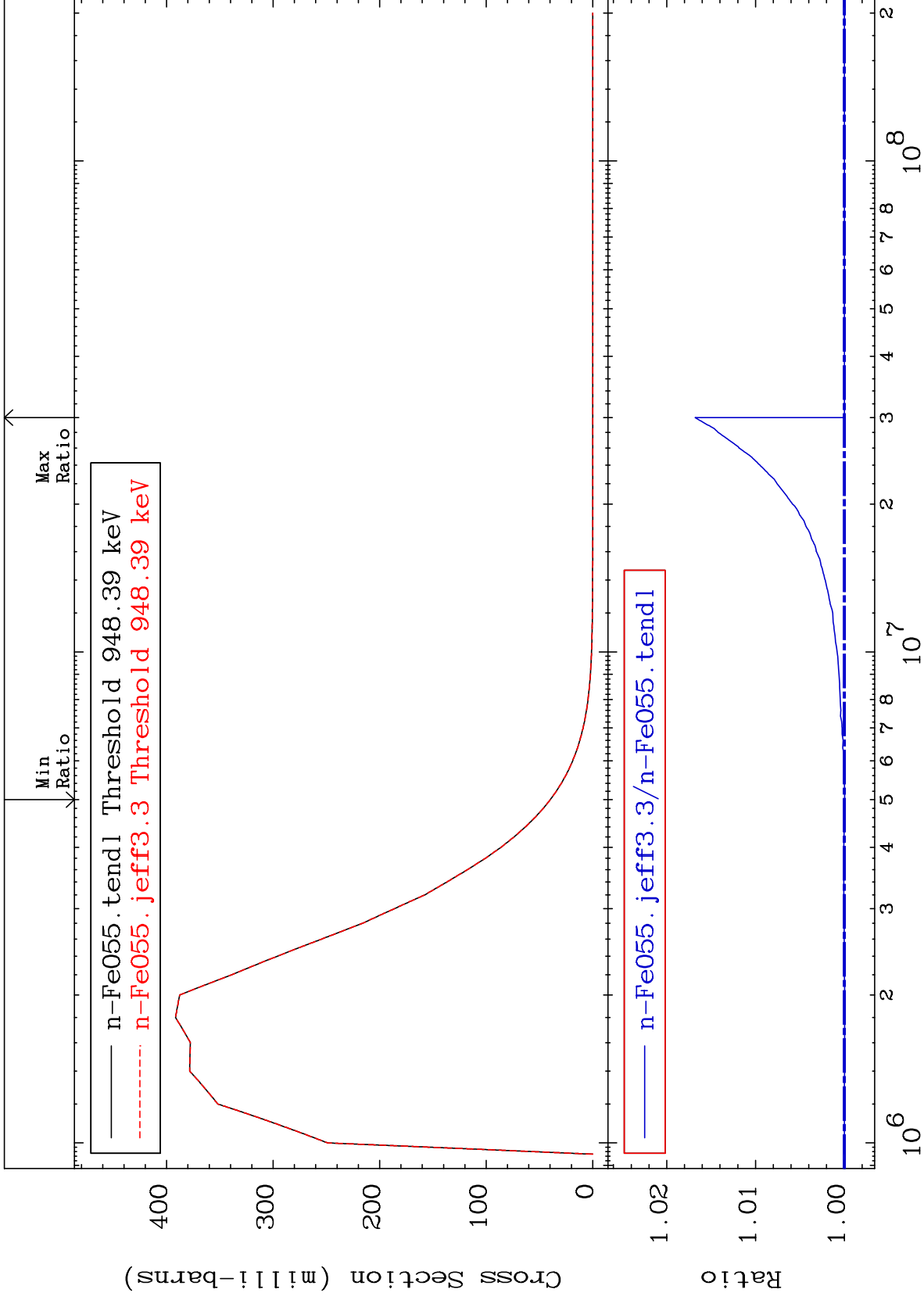
Incident Energy (eV)

²⁶Fe-55

MAT 2628

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

²⁶-Fe-55
-0.004 To 1.680 %



18

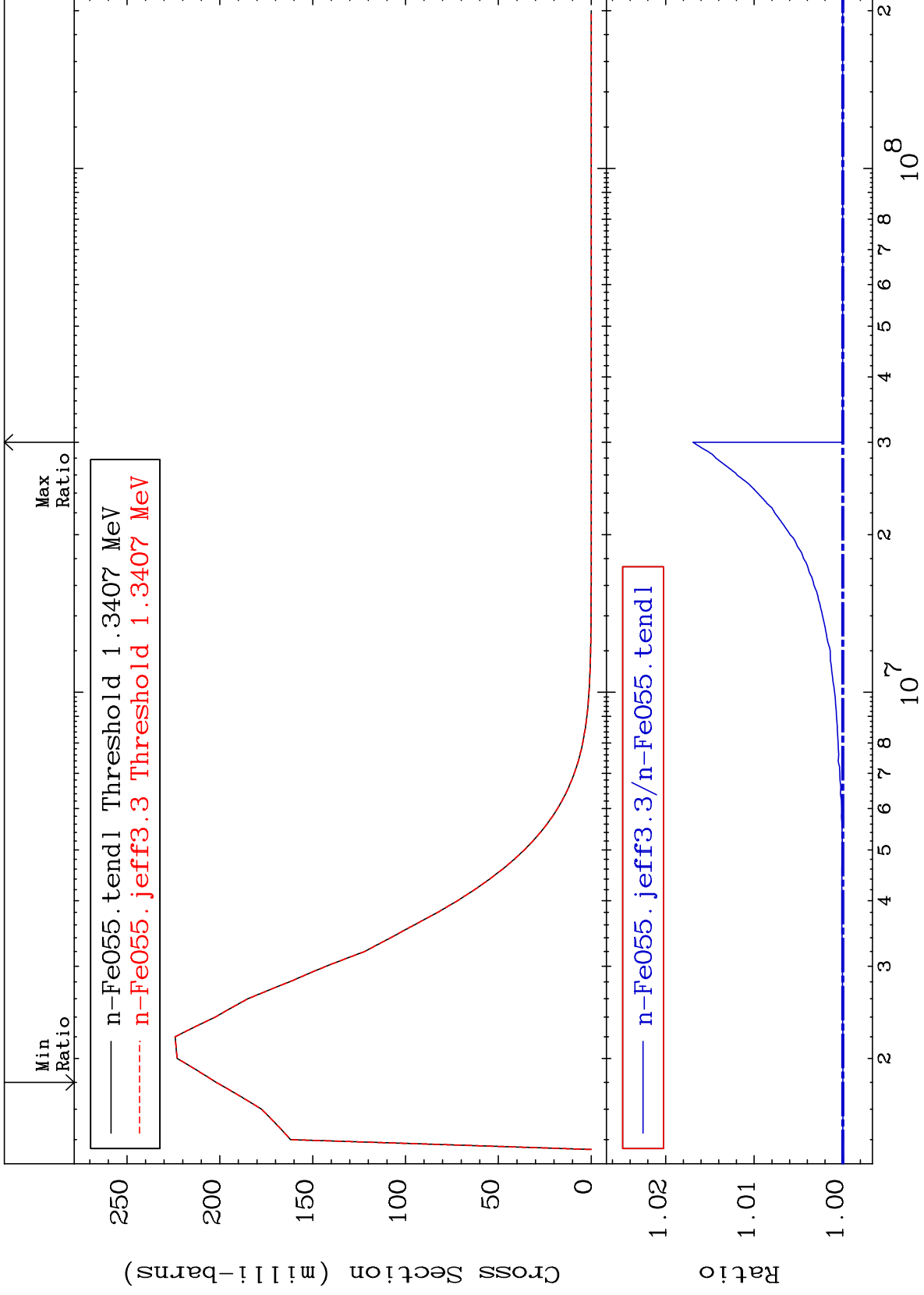
Incident Energy (eV)

²⁶-Fe-55

MAT 2628

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

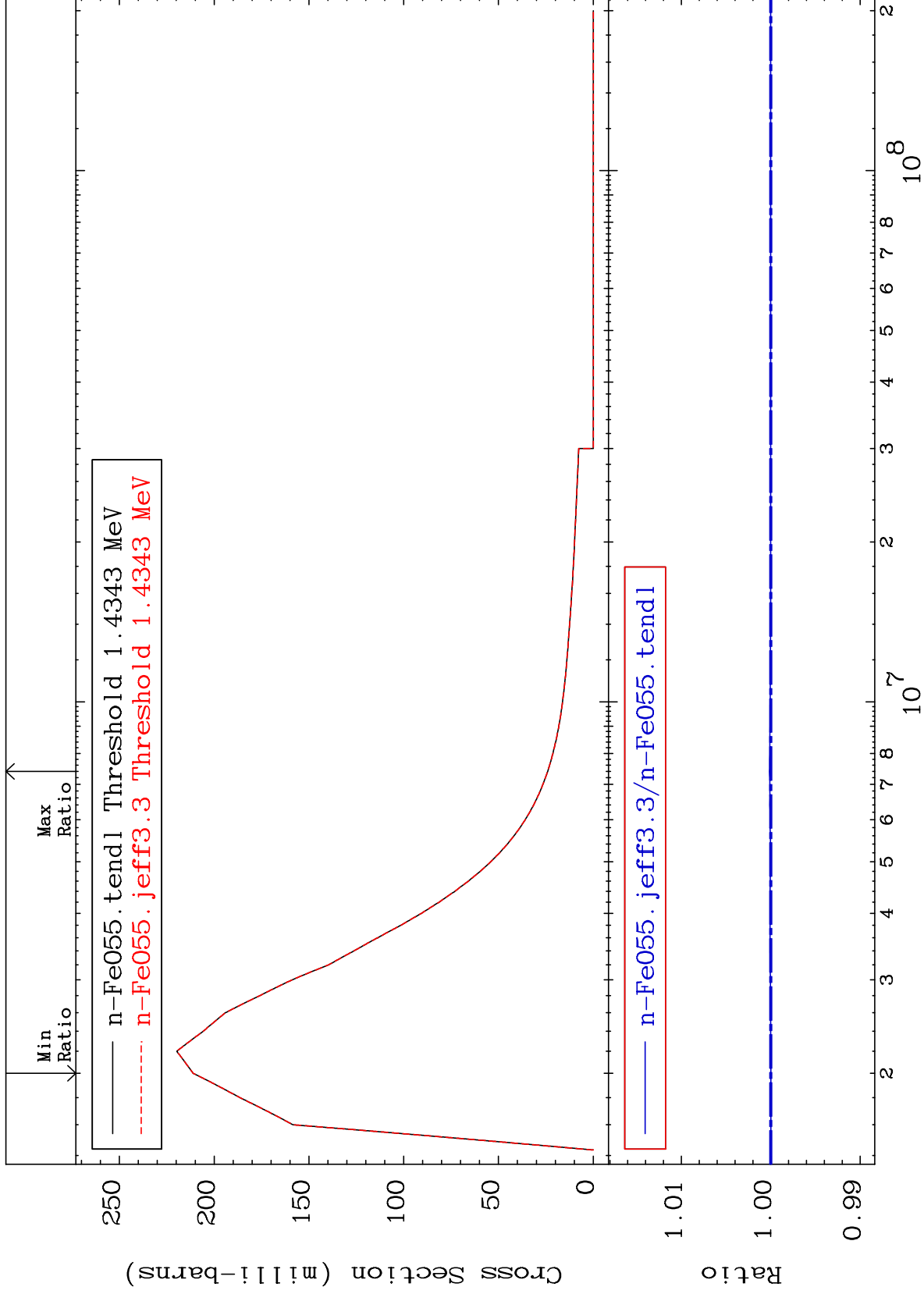
26-Fe-55
-0.002 To 1.691 %



MAT 2628

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

26-Fe-55
-0.001 To 0.015 %



20

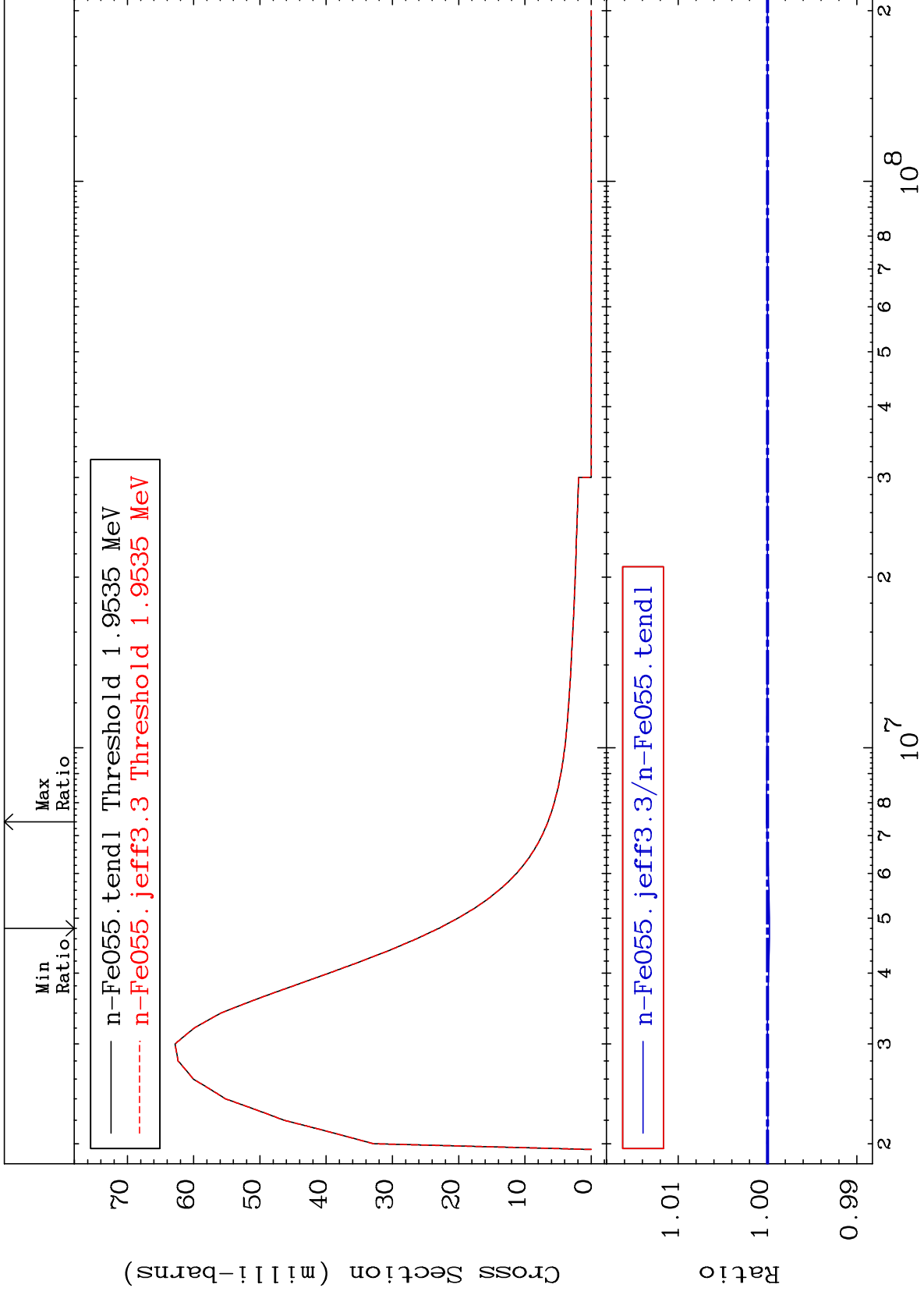
Incident Energy (eV)

26-Fe-55

MAT 2628

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

26-Fe-55
-0.023 To 0.012 %



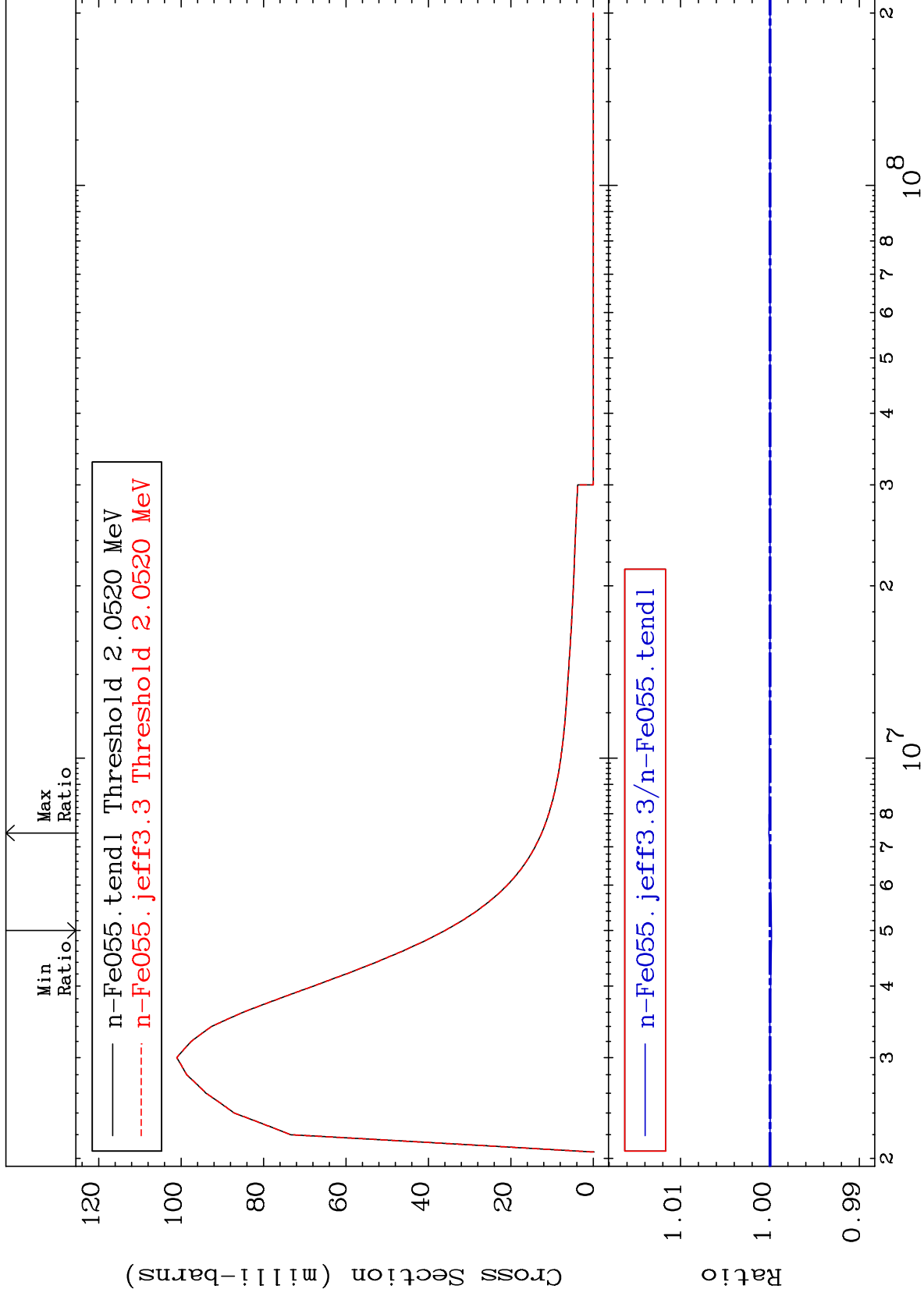
21

26-Fe-55

MAT 2628

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

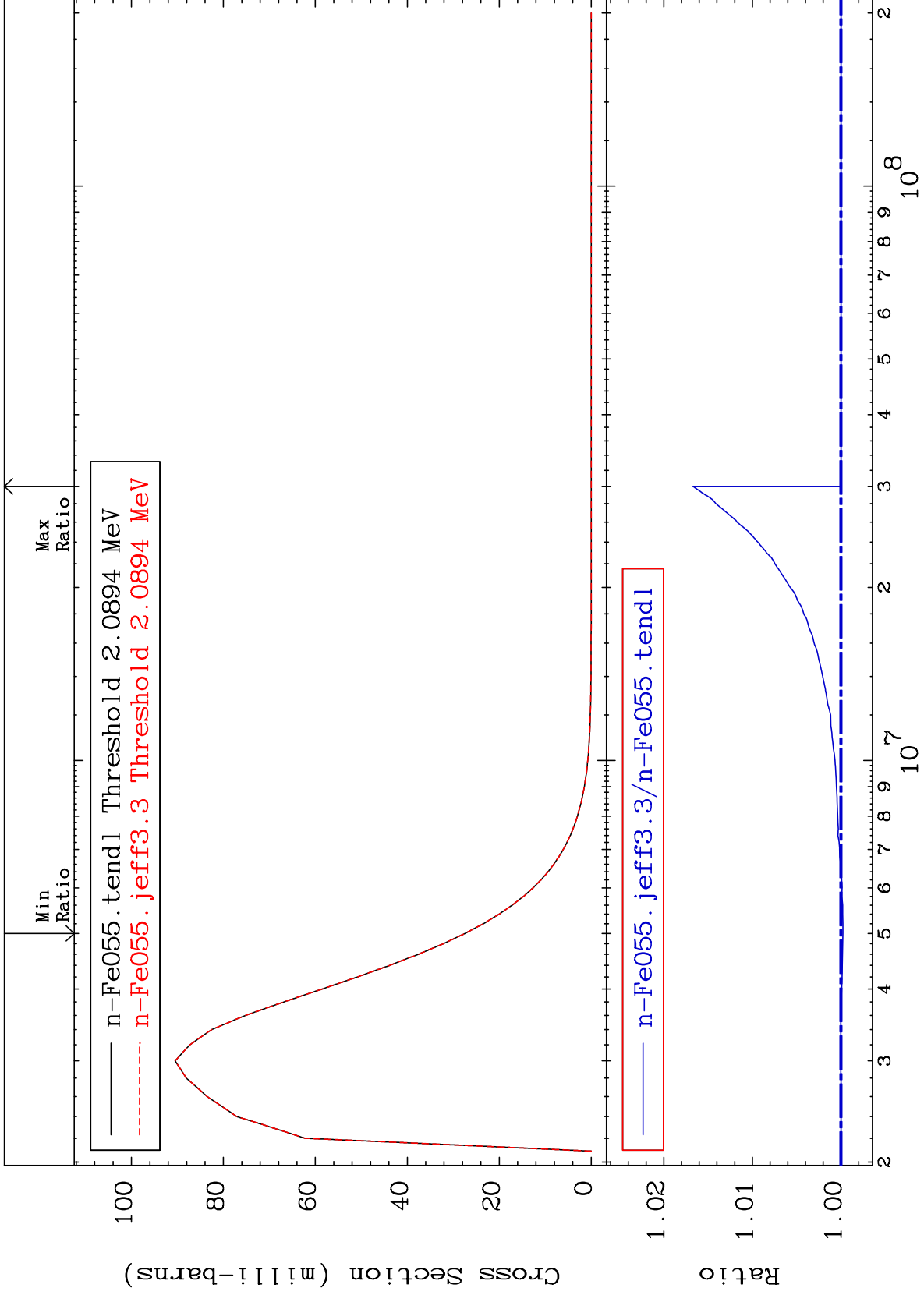
26-Fe-55
-0.017 To 0.014 %



MAT 2628

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

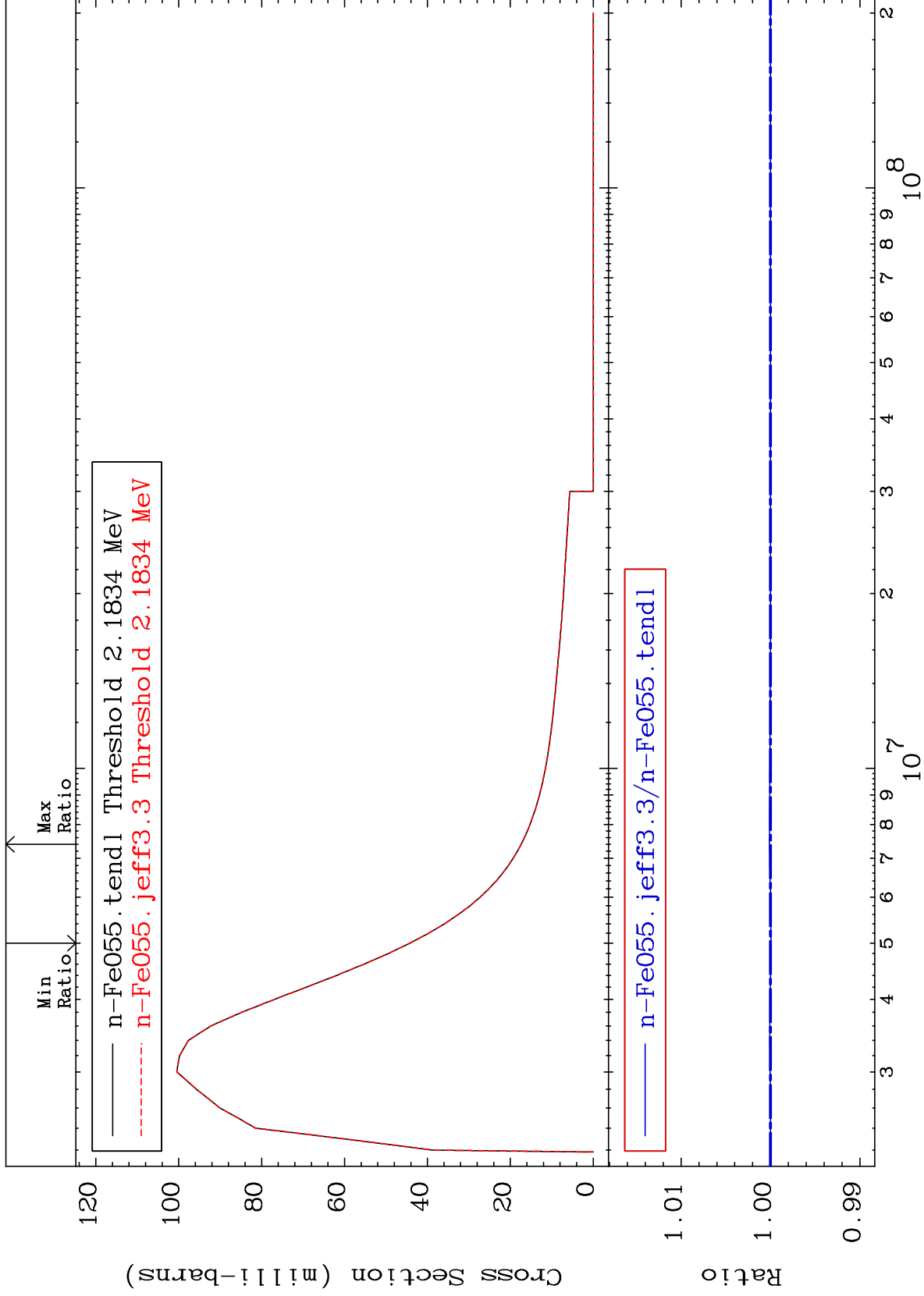
²⁶-Fe-55
-0.022 To 1.670 %



MAT 2628

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

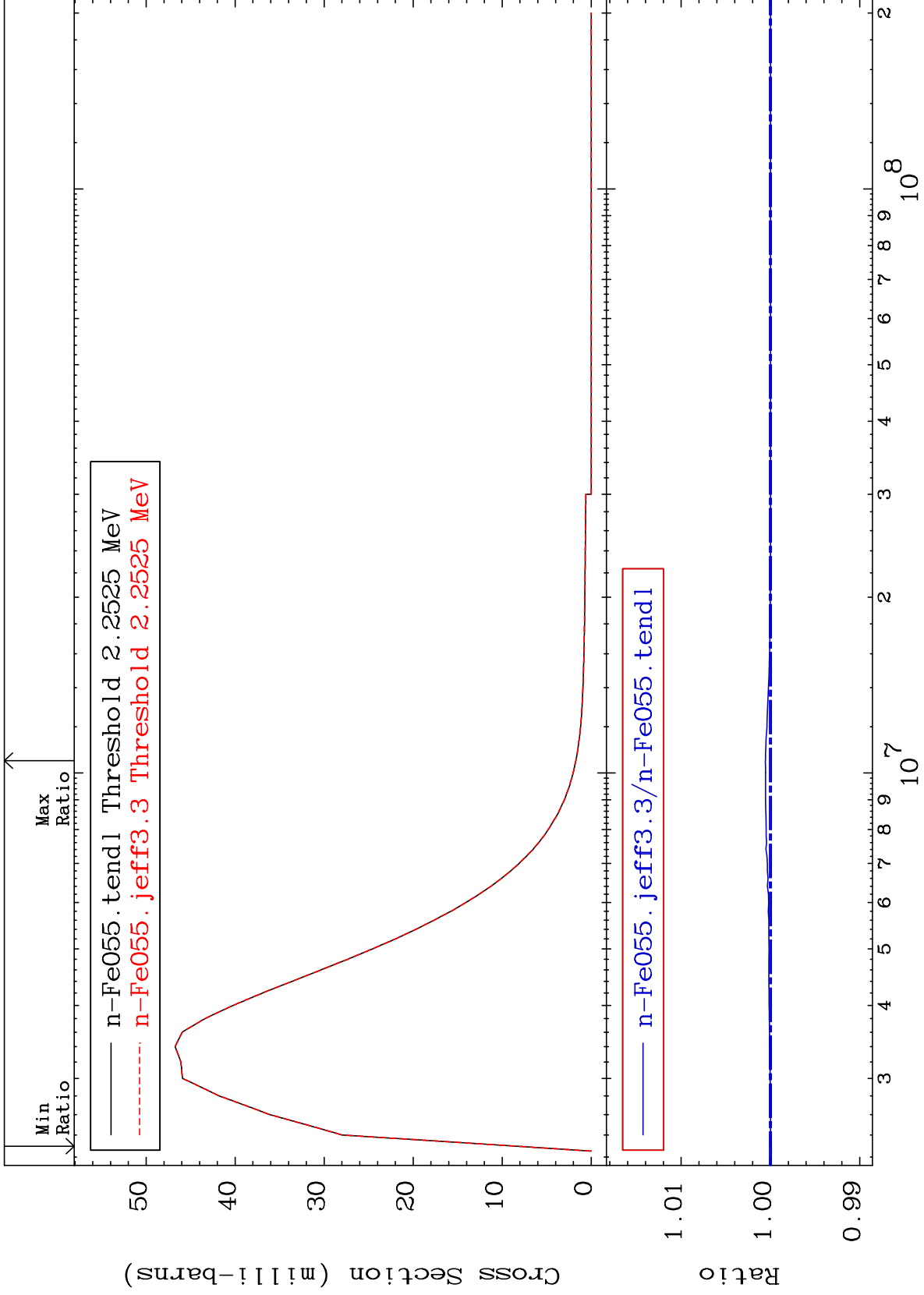
26-Fe-55
-0.005 To 0.013 %



MAT 2628

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

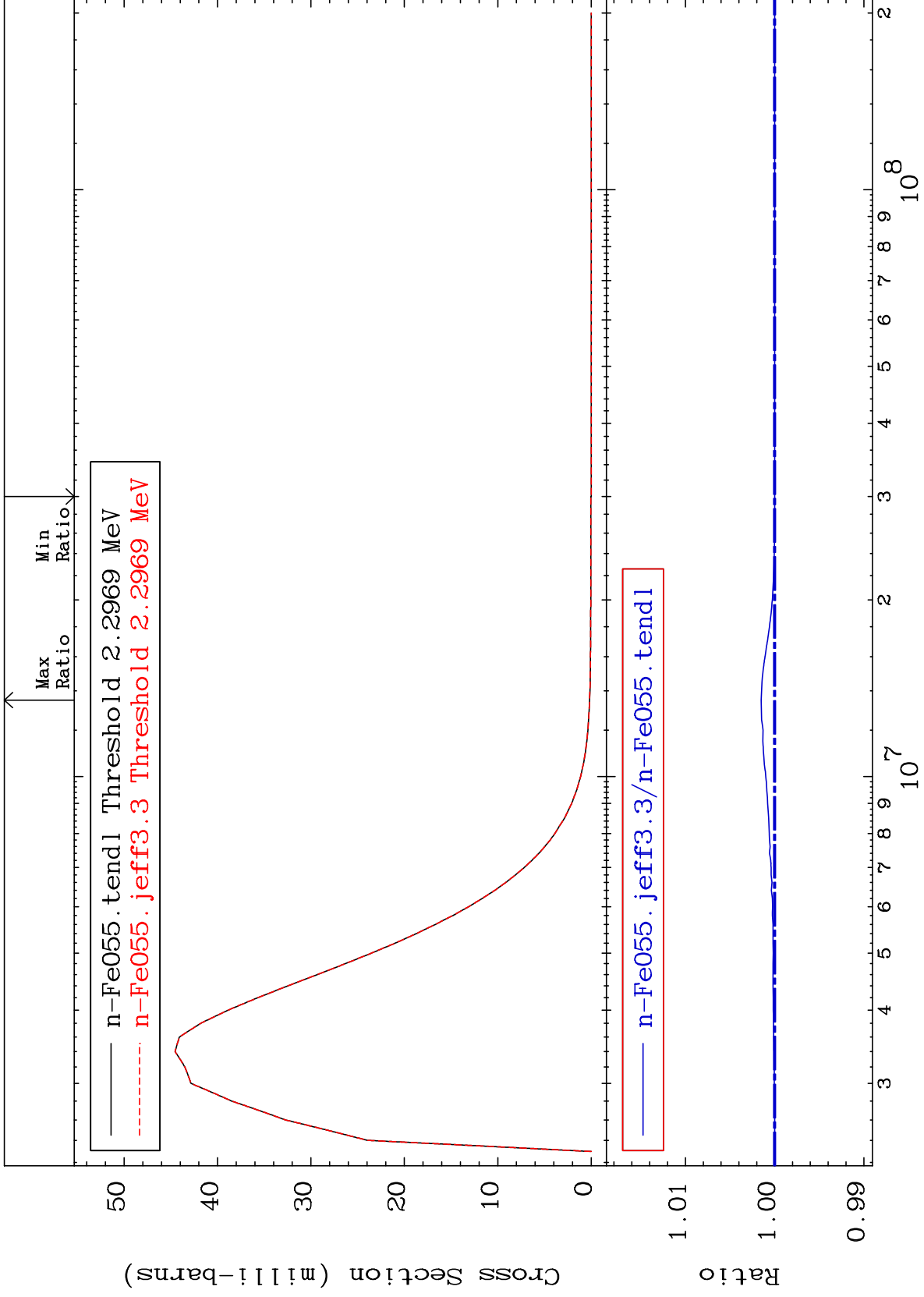
26-Fe-55
To 0.057 %



MAT 2628

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

26-Fe-55
To 0.150 %



26

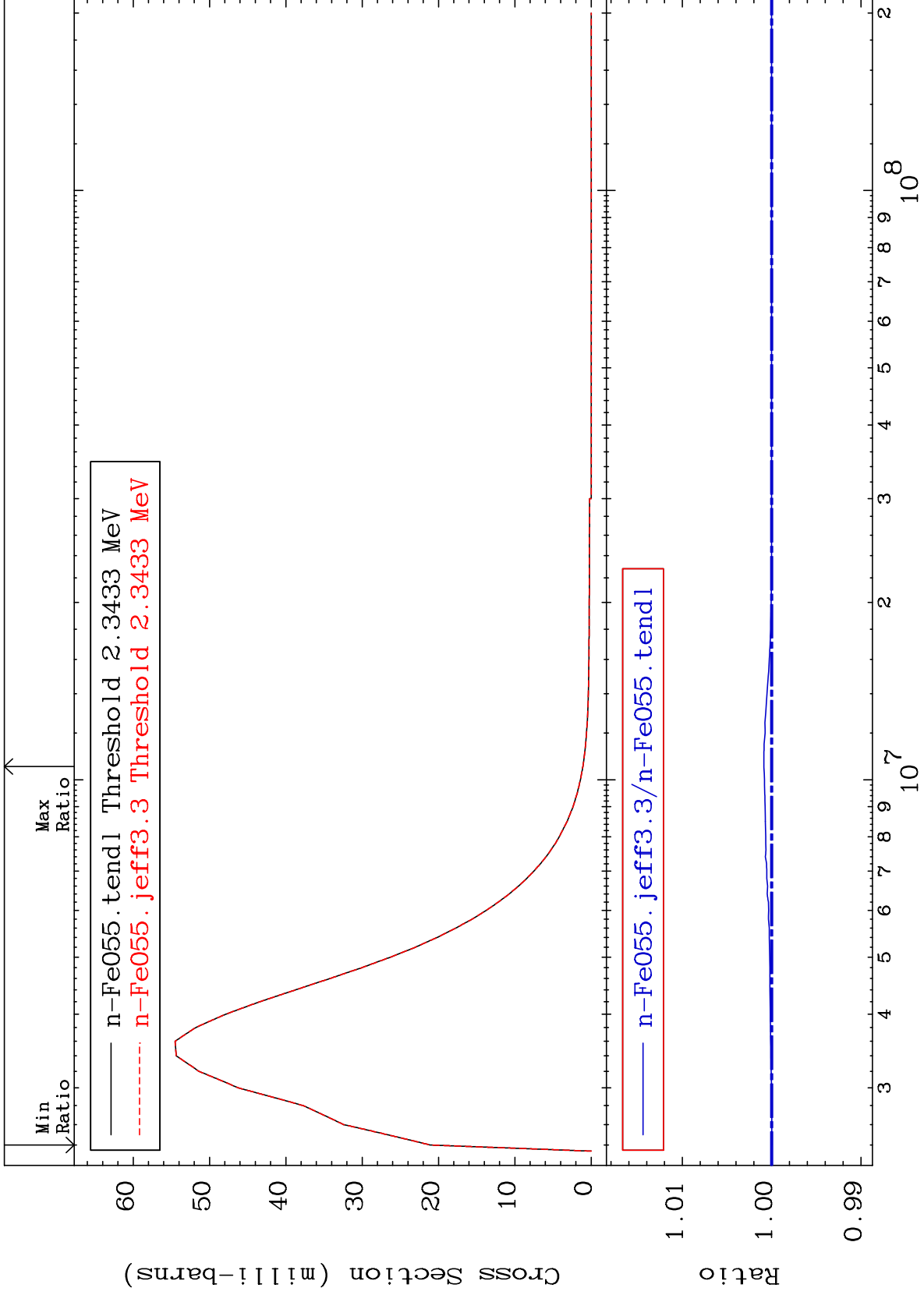
Incident Energy (eV)

26-Fe-55

MAT 2628

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

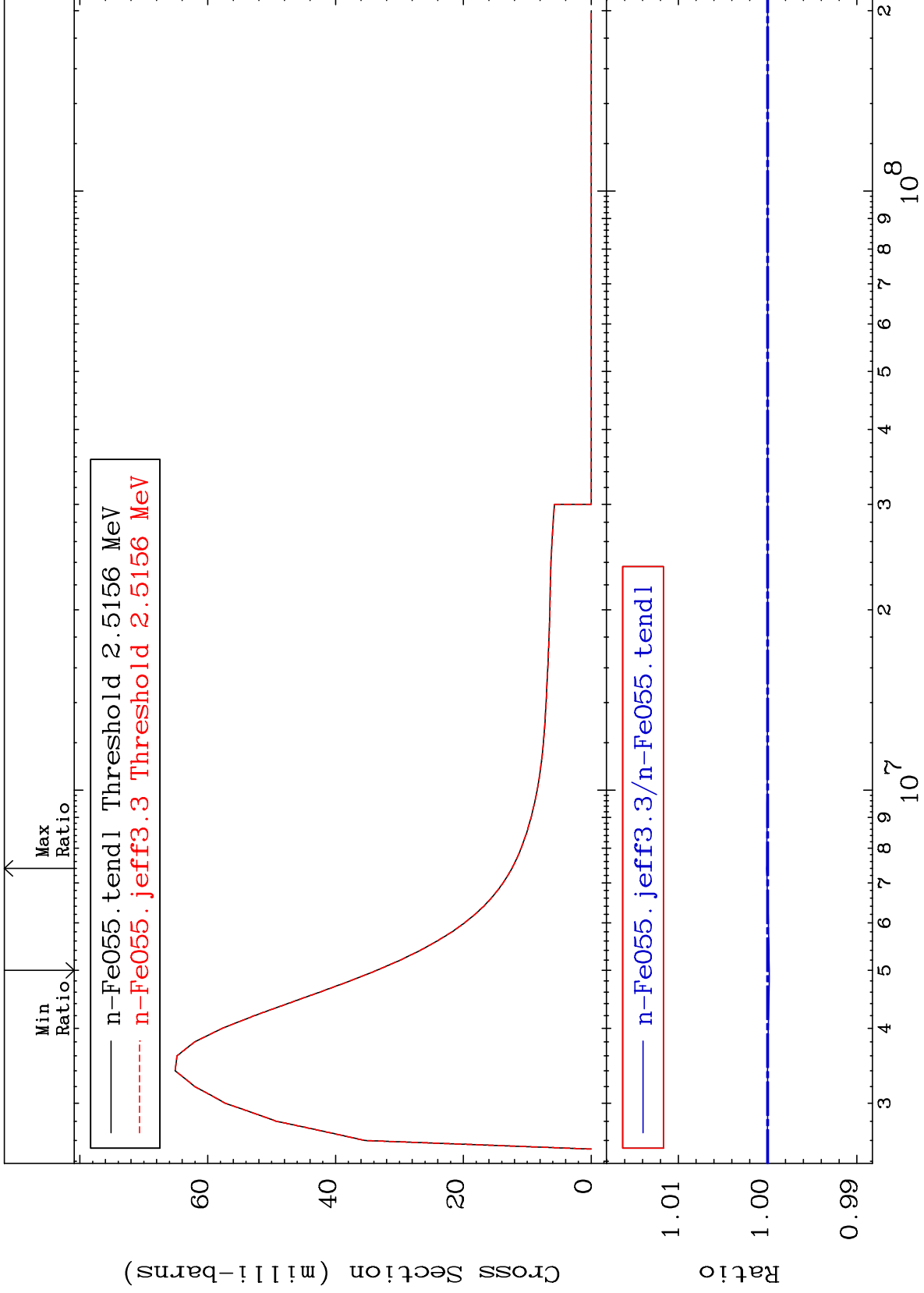
26-Fe-55
-0.004 To 0.087 %



MAT 2628

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

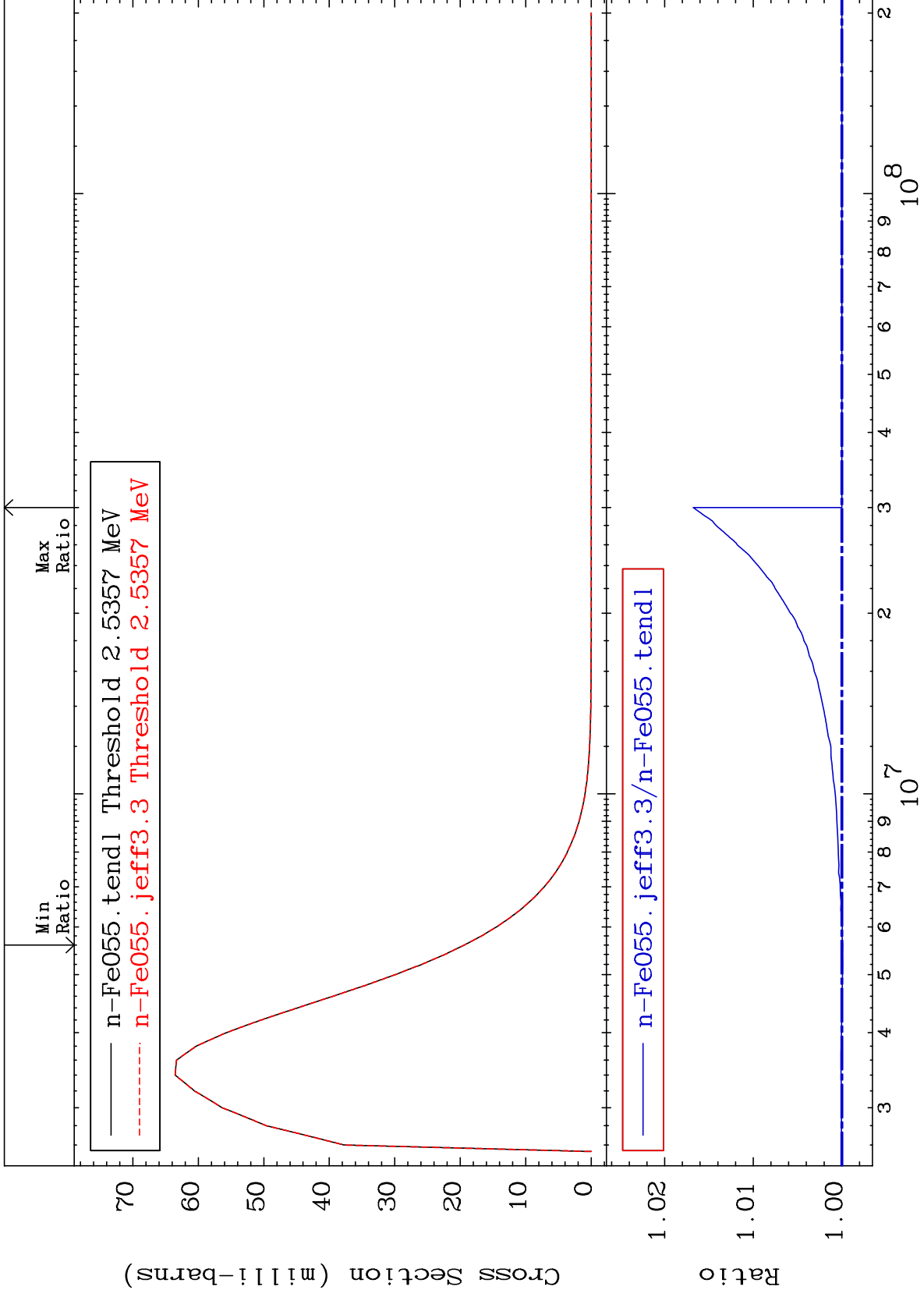
26-Fe-55
-0.019 To 0.011 %



MAT 2628

MT= 63 (n, n') Level
Cross Section

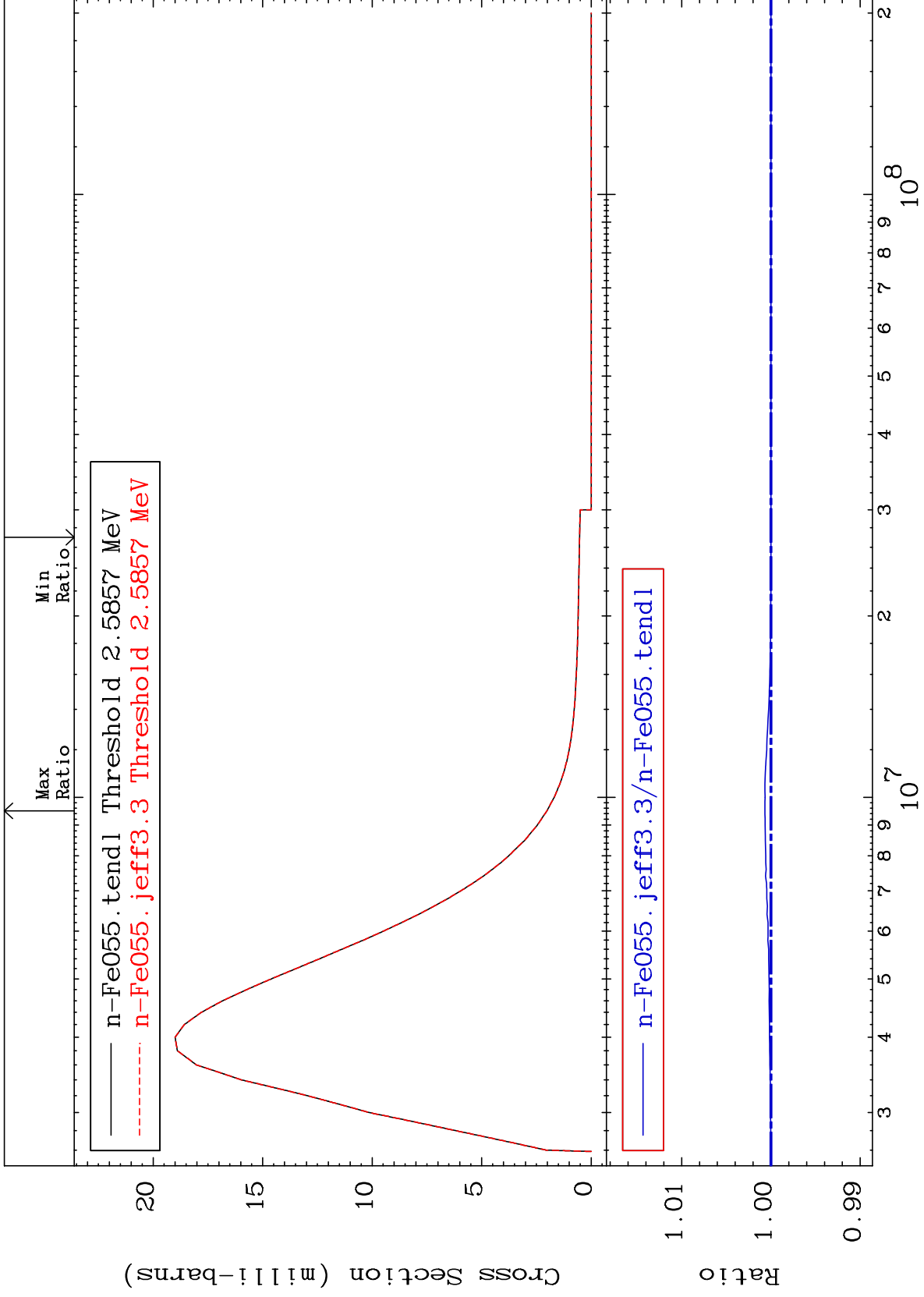
²⁶-Fe-55
-0.009 To 1.677 %



MAT 2628

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

26-Fe-55
To 0.067 %



30

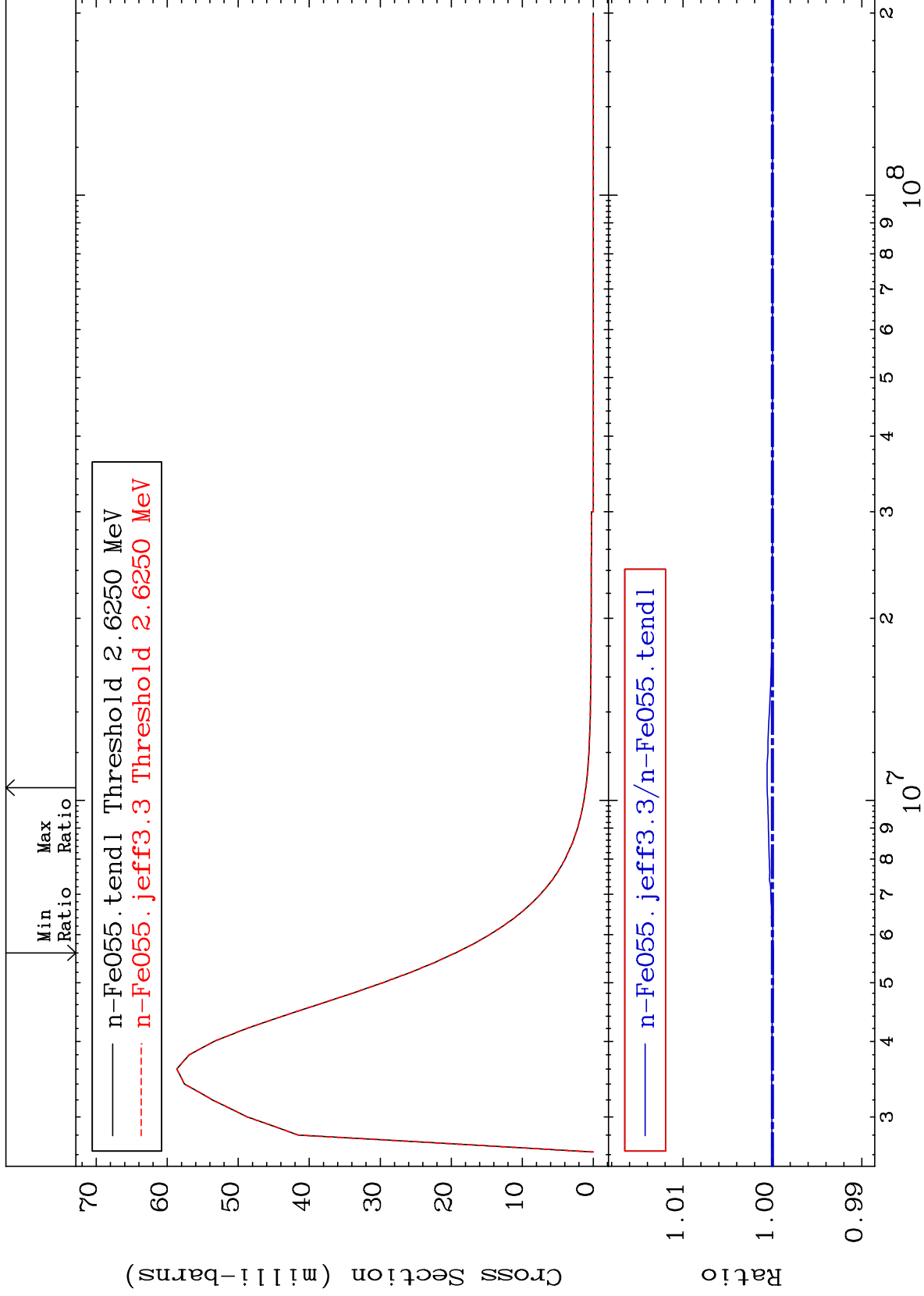
Incident Energy (eV)

26-Fe-55

MAT 2628

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

26-Fe-55
-0.009 To 0.060 %



31

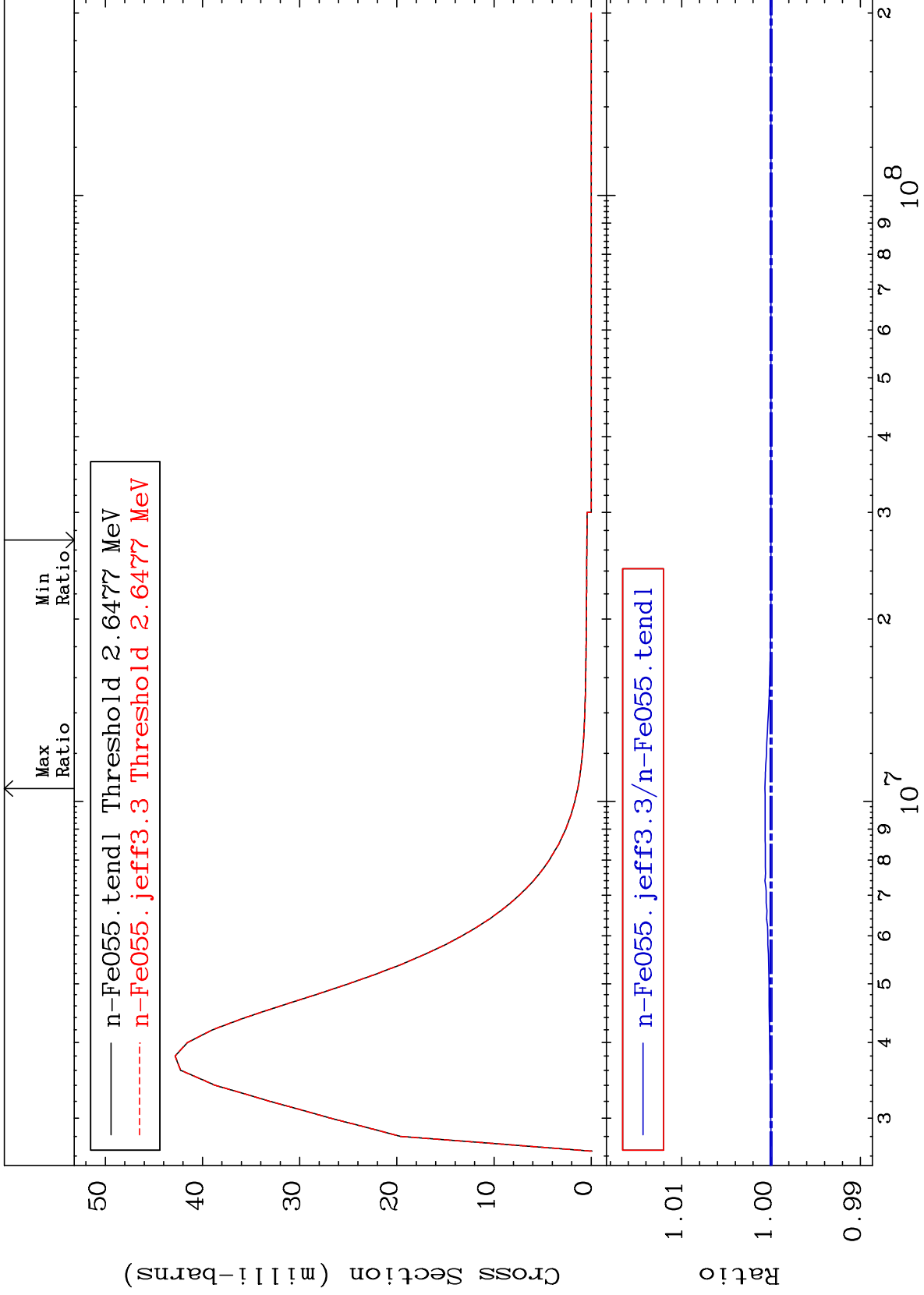
Incident Energy (eV)

26-Fe-55

MAT 2628

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

26-Fe-55
To 0.069 %



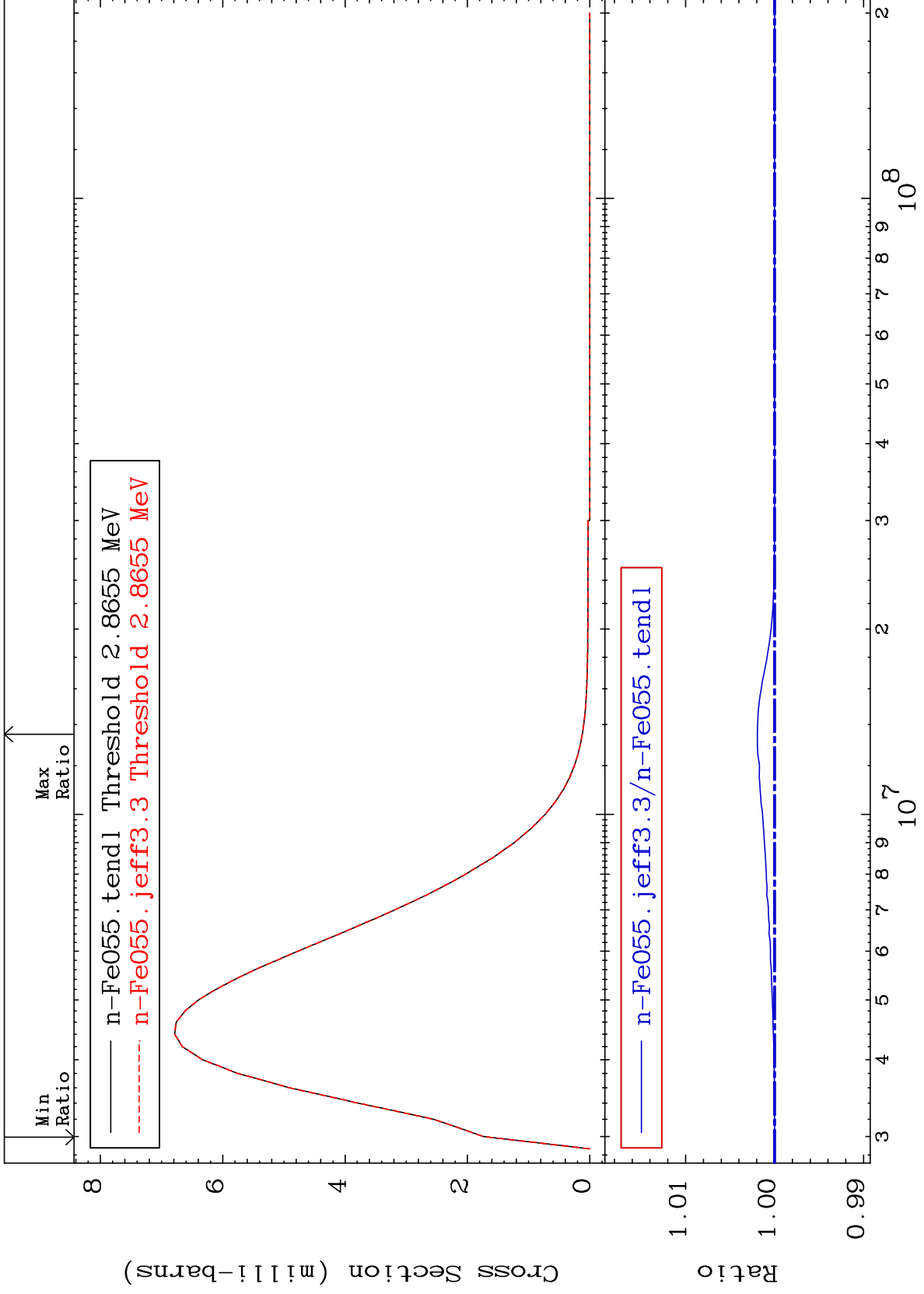
— n-Fe055.tendl Threshold 2.6477 MeV
- - - n-Fe055.jeff3.3 Threshold 2.6477 MeV

— n-Fe055.jeff3.3/n-Fe055.tendl

MAT 2628

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

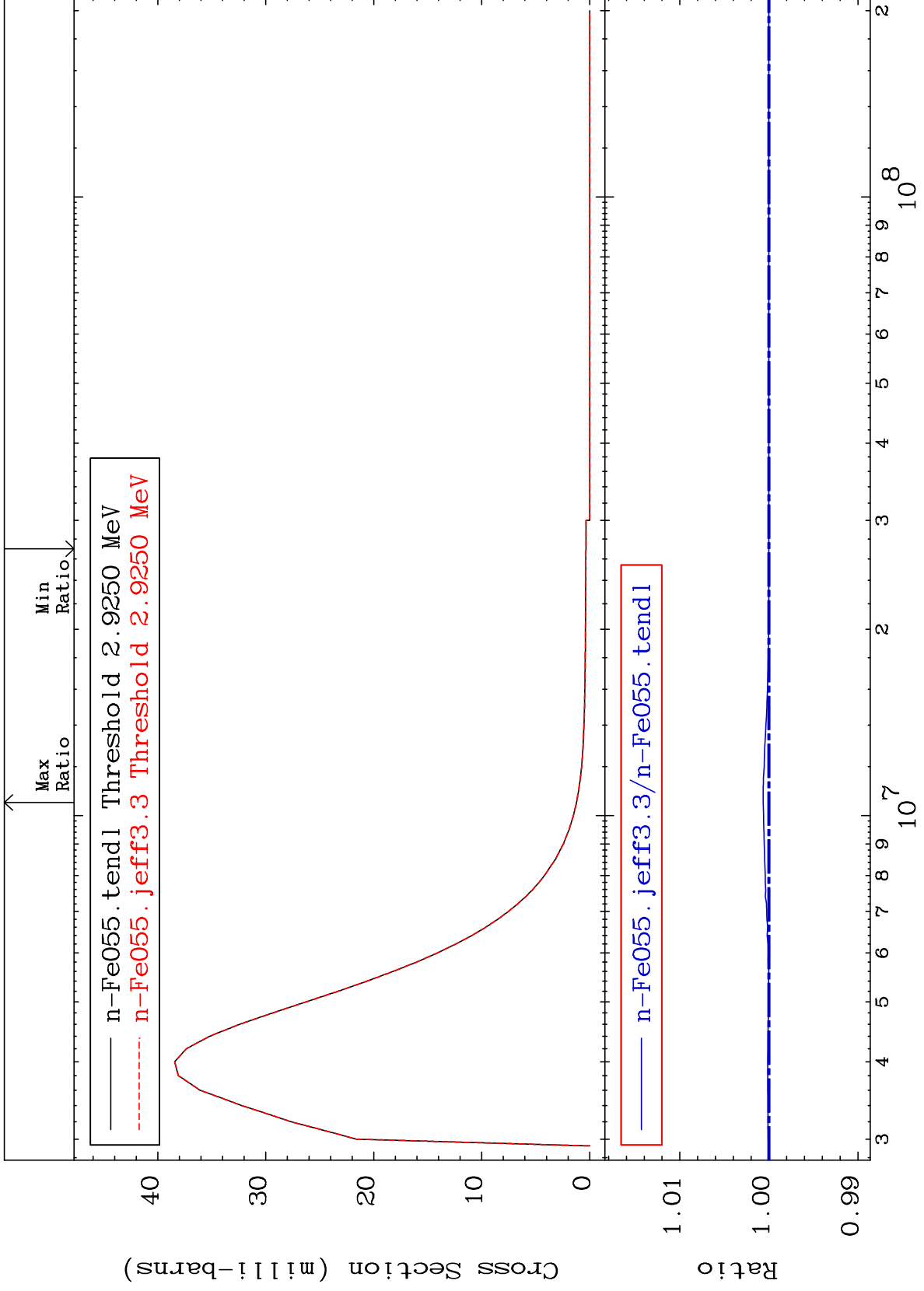
26-Fe-55
To 0.194 %



MAT 2628

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

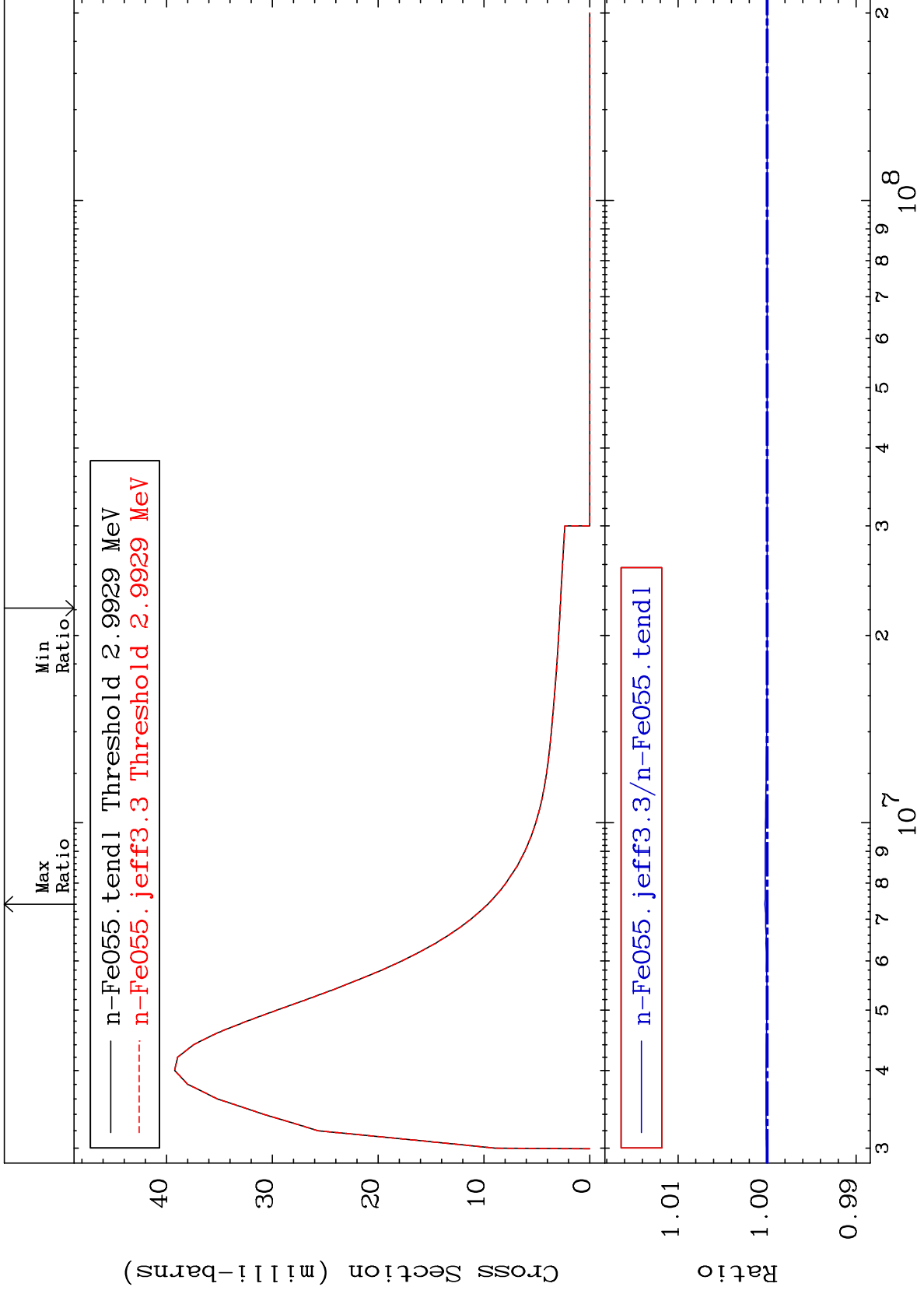
26-Fe-55
0.000 To 0.065 %



MAT 2628

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

26-Fe-55
0.000 To 0.025 %



35

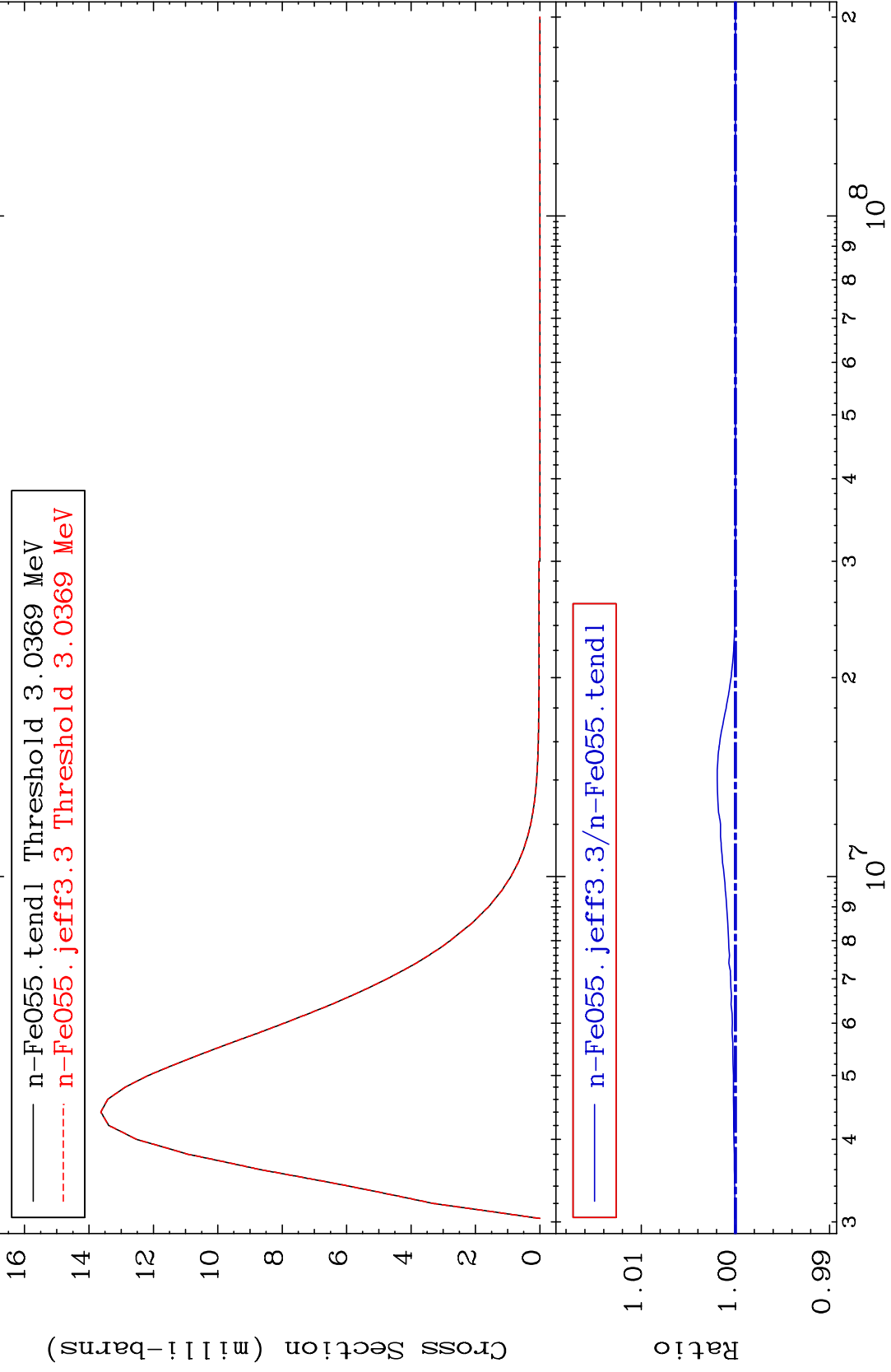
Incident Energy (eV)

26-Fe-55

MAT 2628

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

26-Fe-55
0.000 To 0.194 %



36

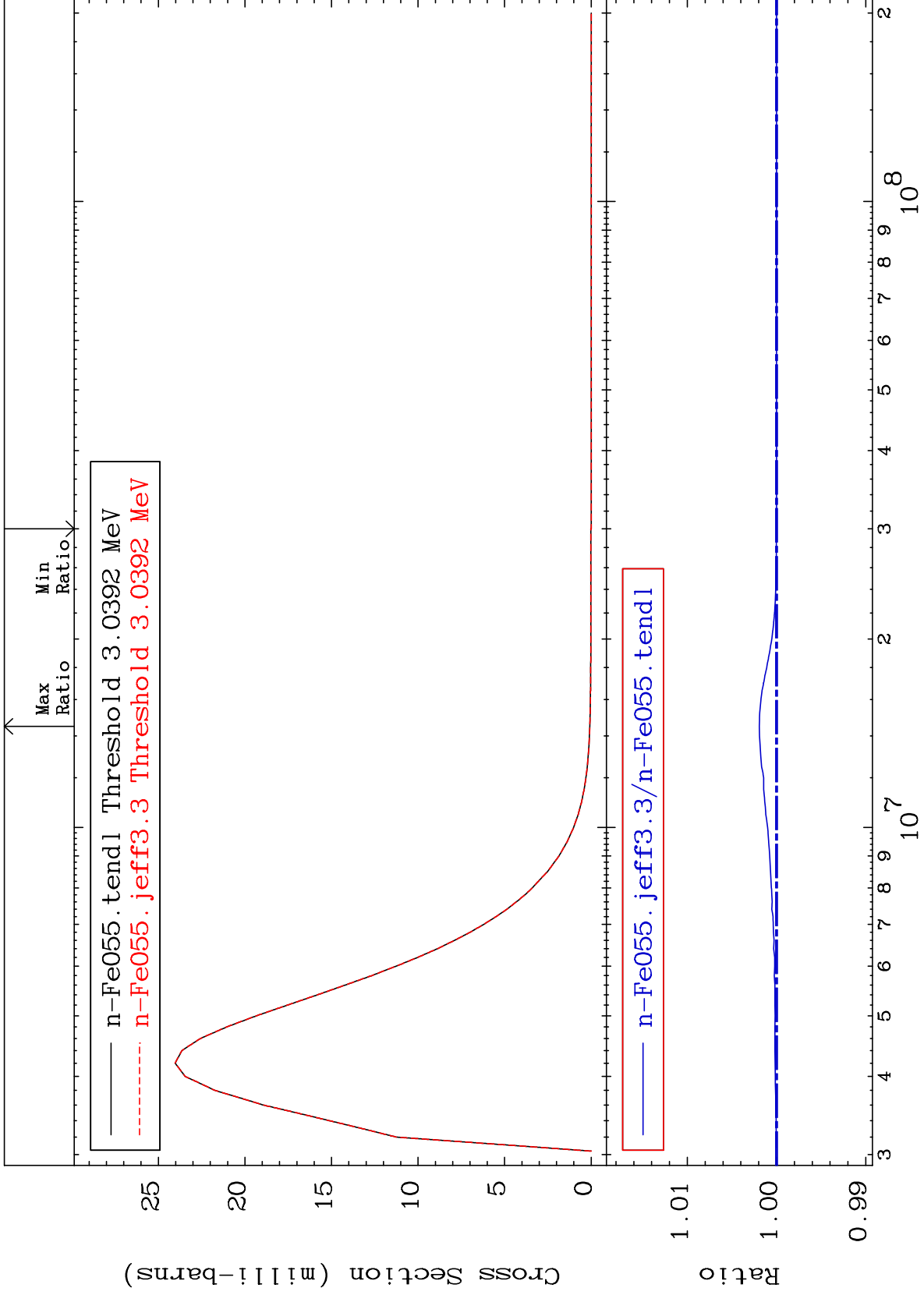
Incident Energy (eV)

26-Fe-55

MAT 2628

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

26-Fe-55
0.000 To 0.193 %



37

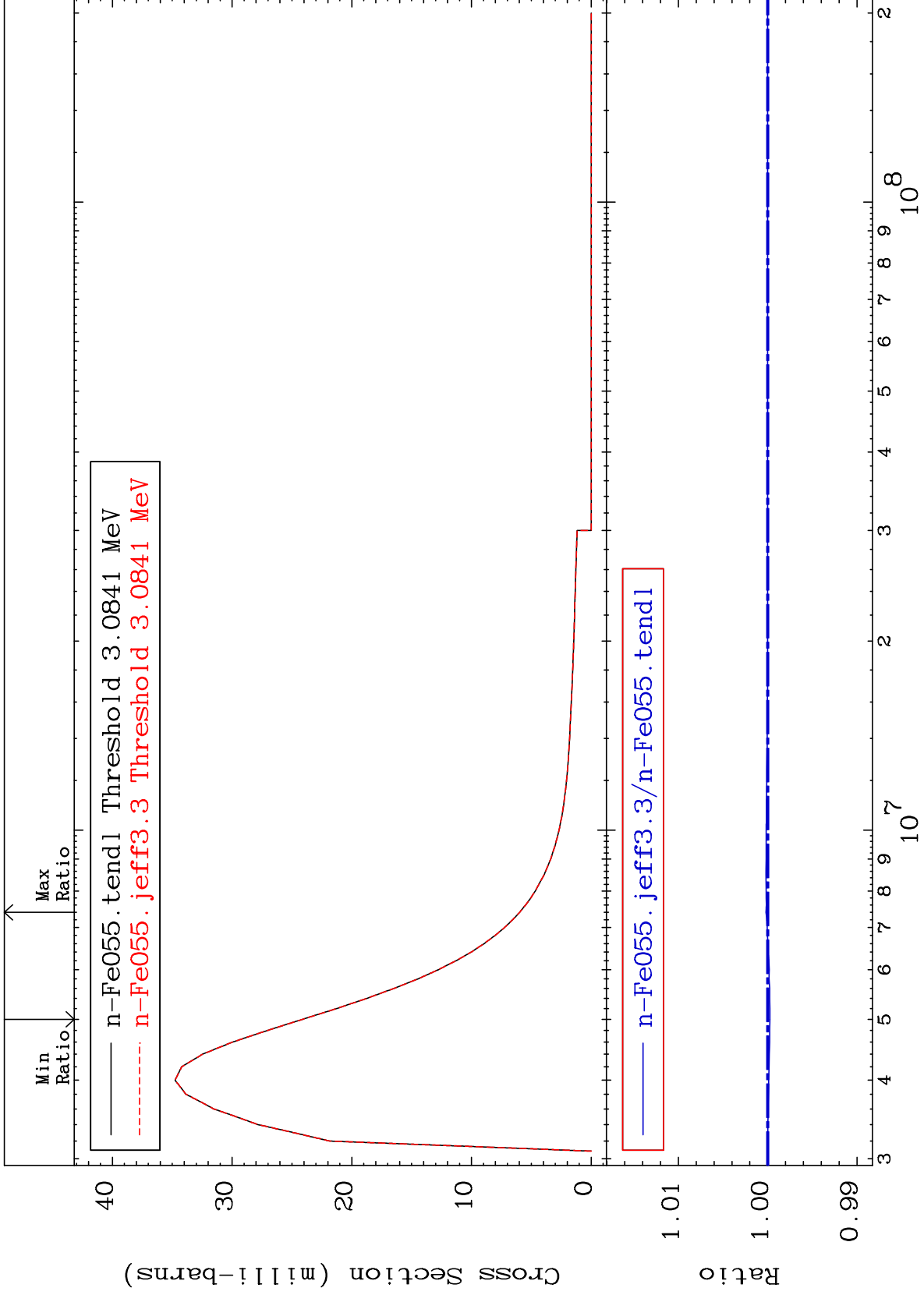
Incident Energy (eV)

26-Fe-55

MAT 2628

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

26-Fe-55
-0.025 To 0.019 %



38

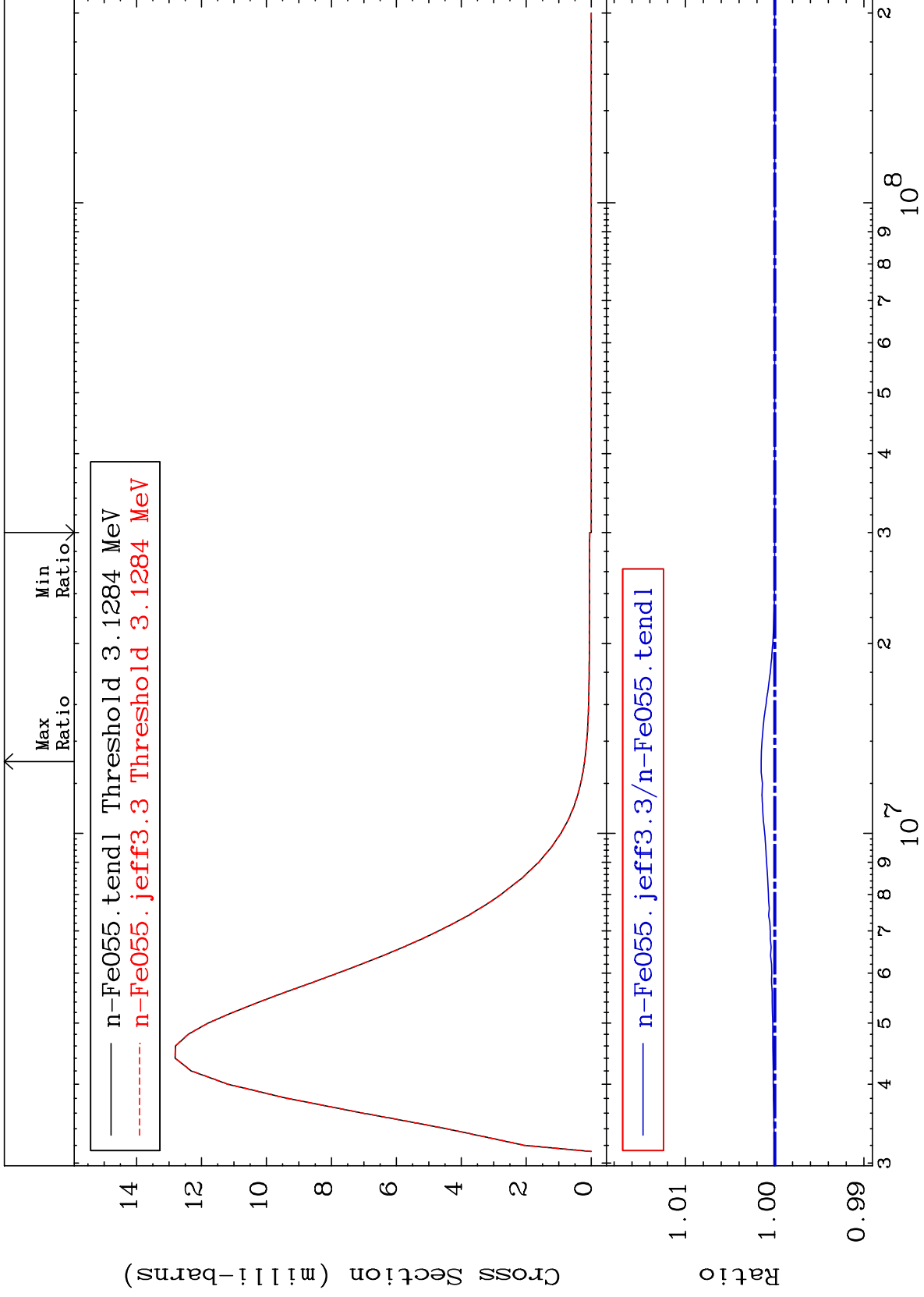
Incident Energy (eV)

26-Fe-55

MAT 2628

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

26-Fe-55
0.000 To 0.152 %



39

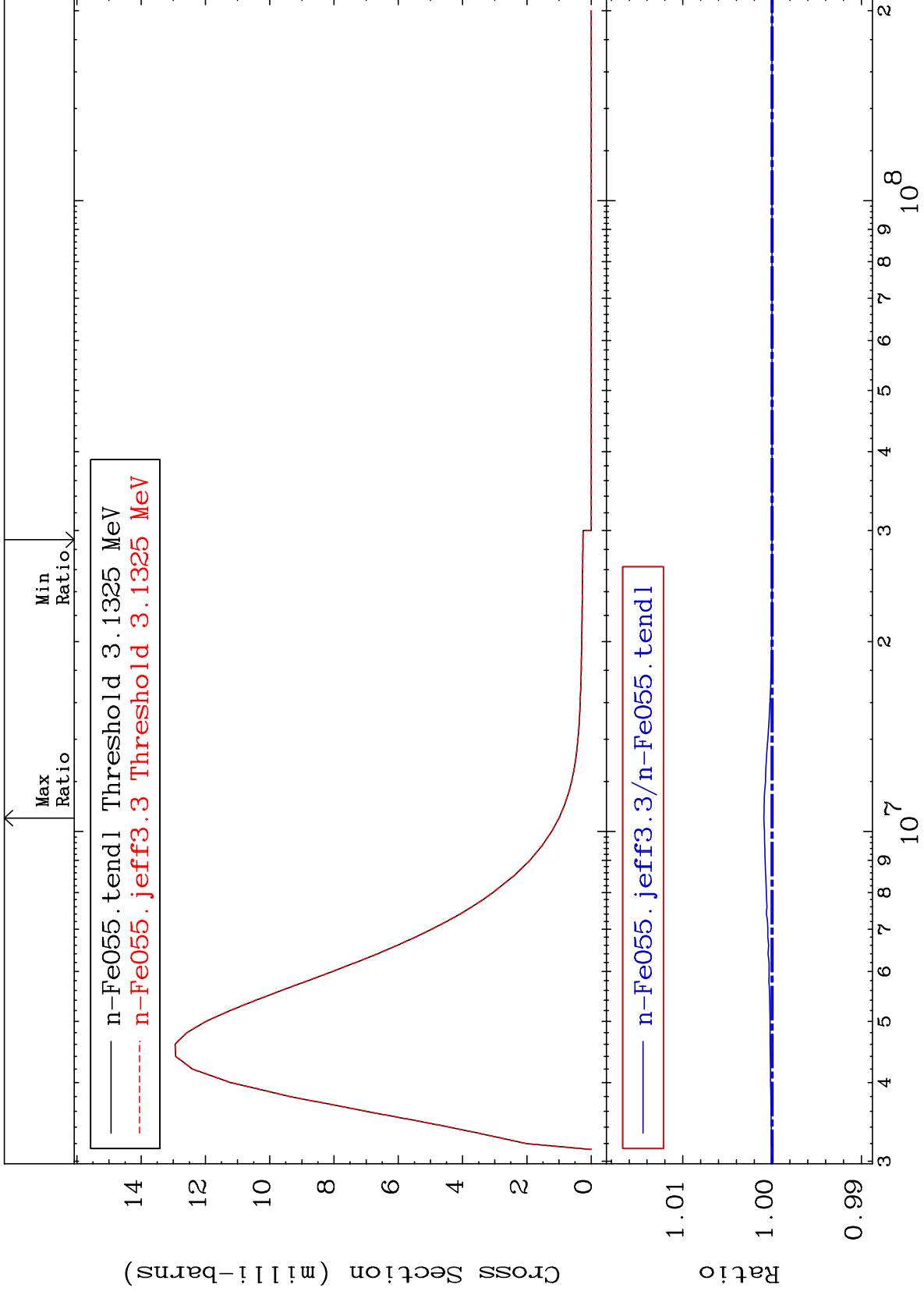
Incident Energy (eV)

26-Fe-55

MAT 2628

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

26-Fe-55
0.000 To 0.092 %



40

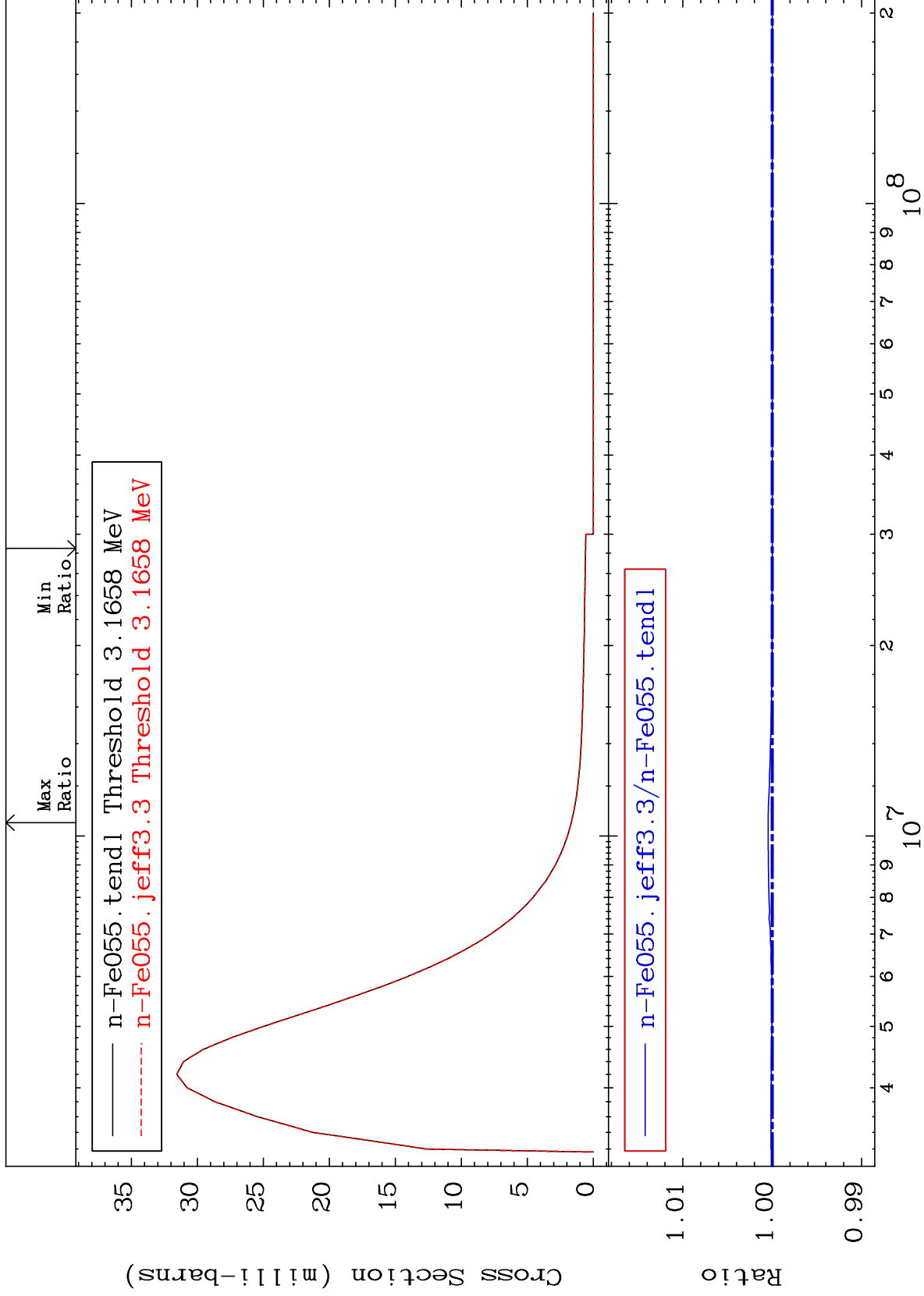
Incident Energy (eV)

26-Fe-55

MAT 2628

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

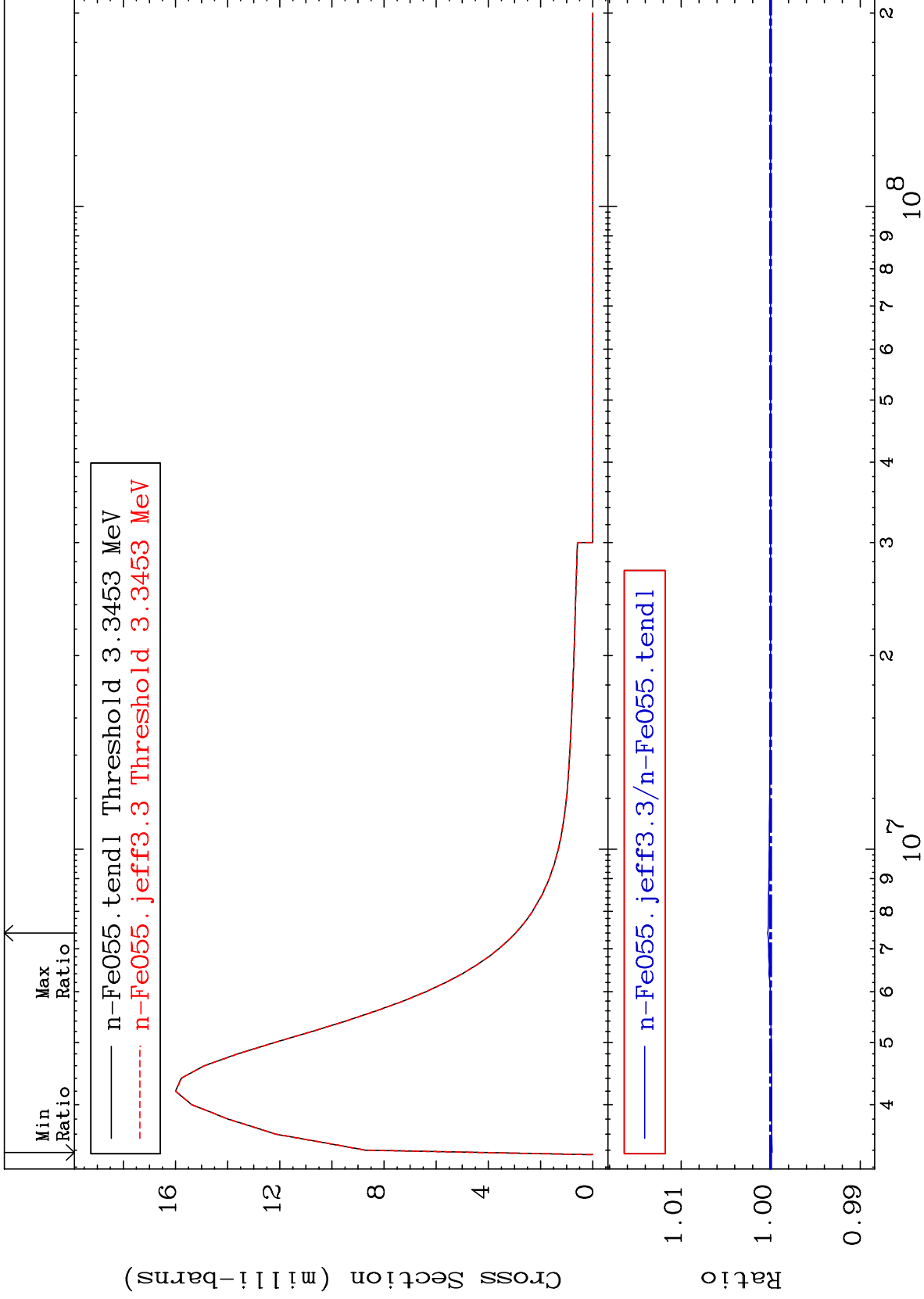
26-Fe-55
0.000 To 0.046 %



MAT 2628

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

26-Fe-55
-0.016 To 0.032 %



42

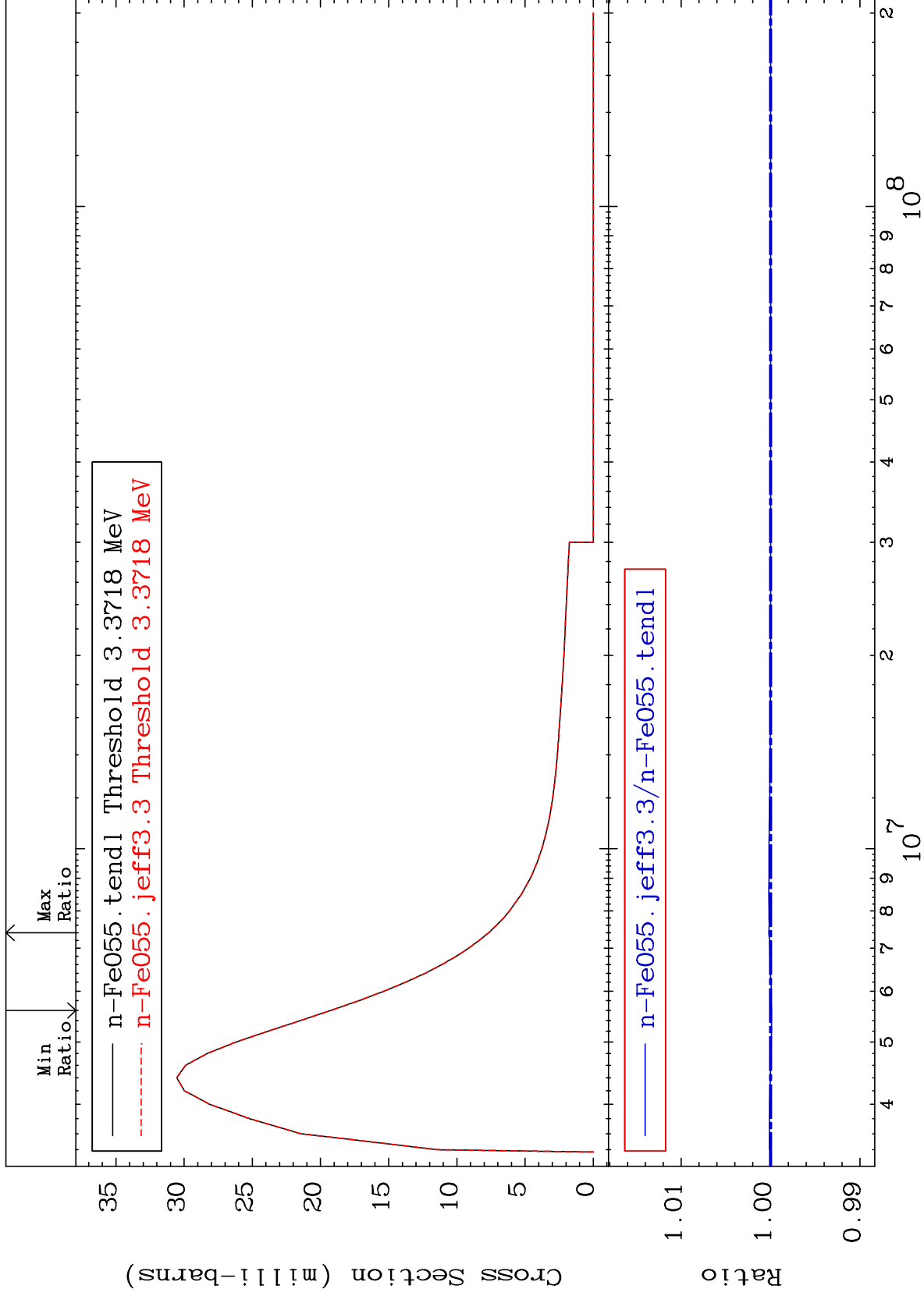
Incident Energy (eV)

26-Fe-55

MAT 2628

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

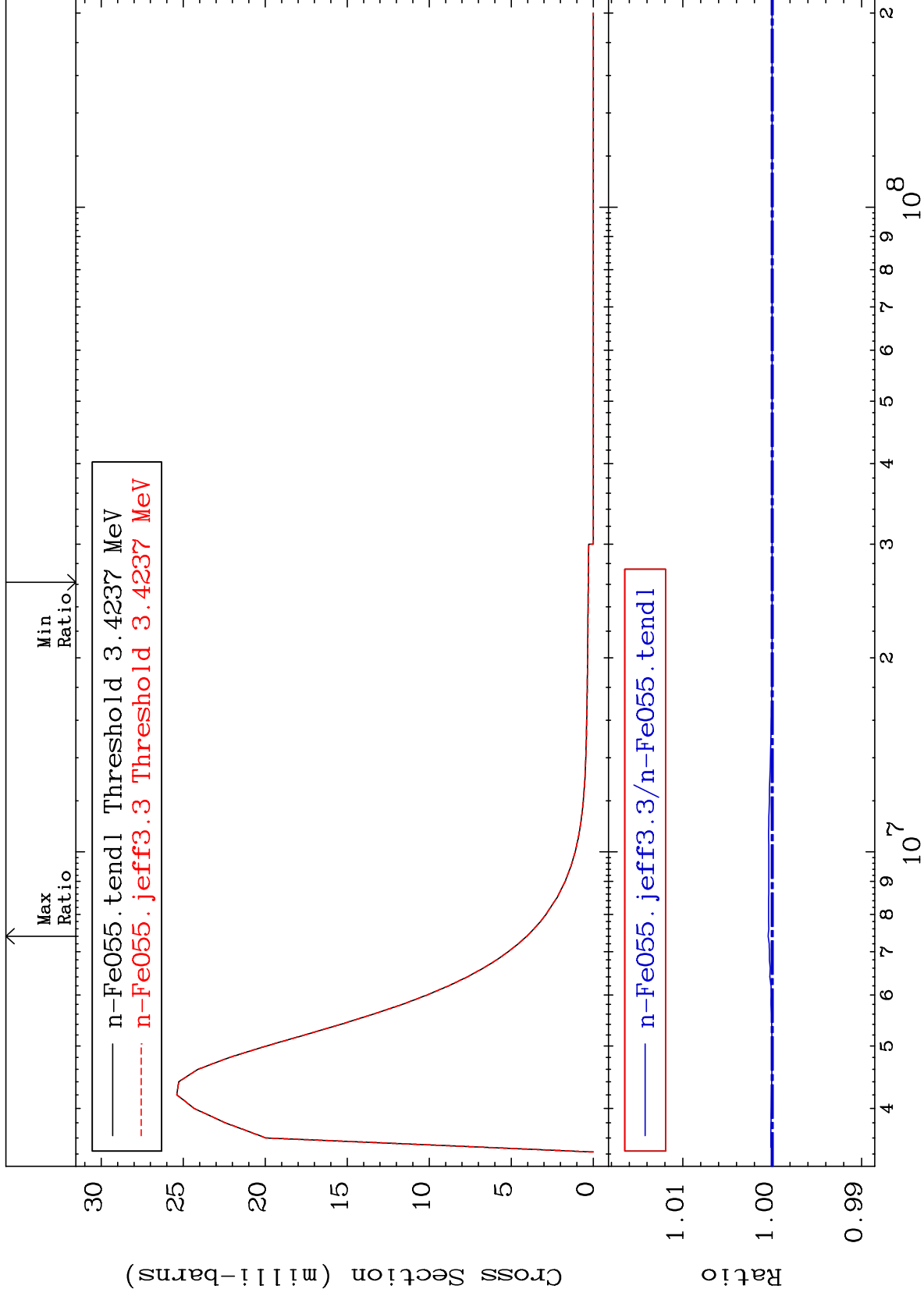
26-Fe-55
-0.011 To 0.020 %



MAT 2628

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

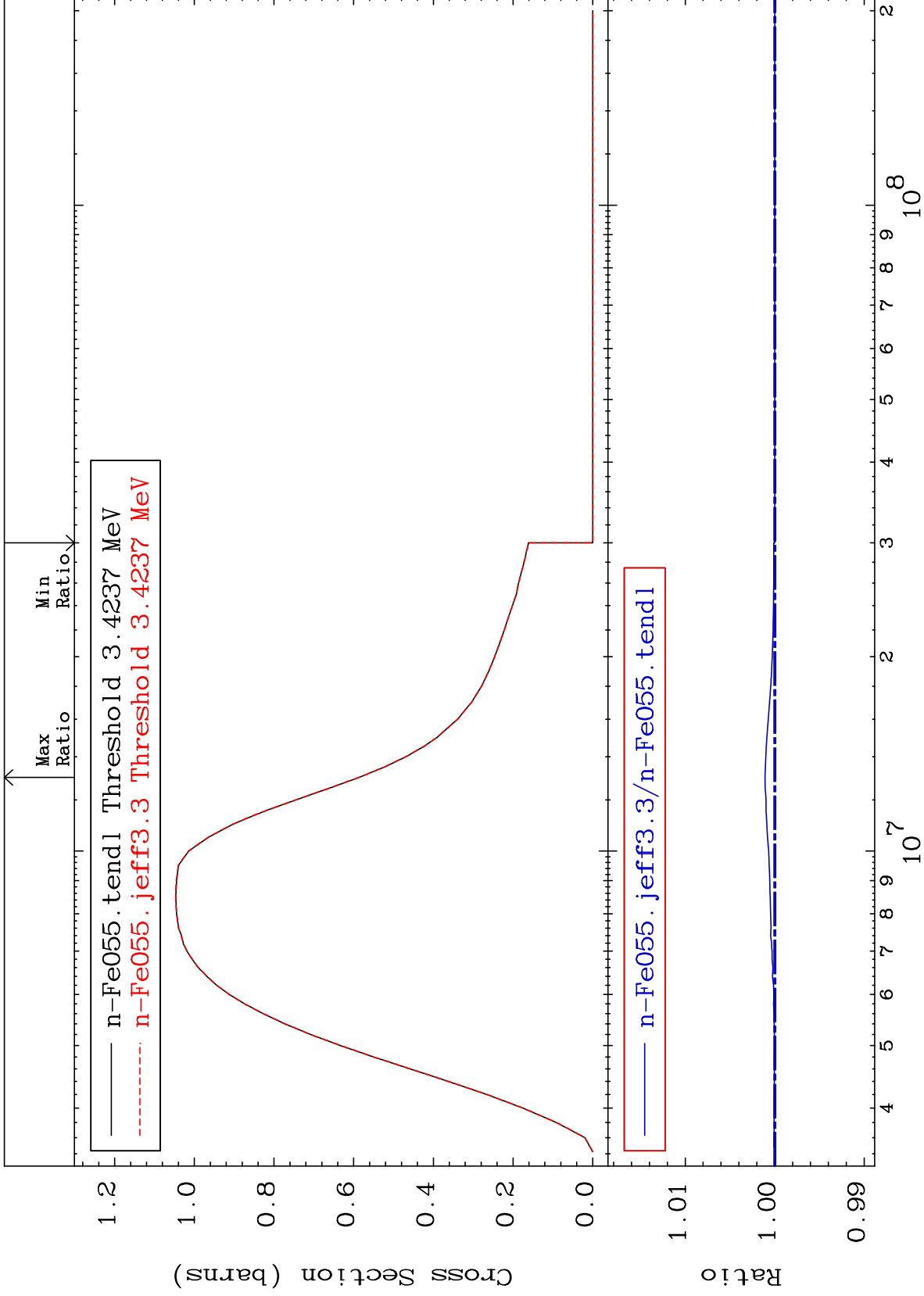
26-Fe-55
To 0.046 %



MAT 2628

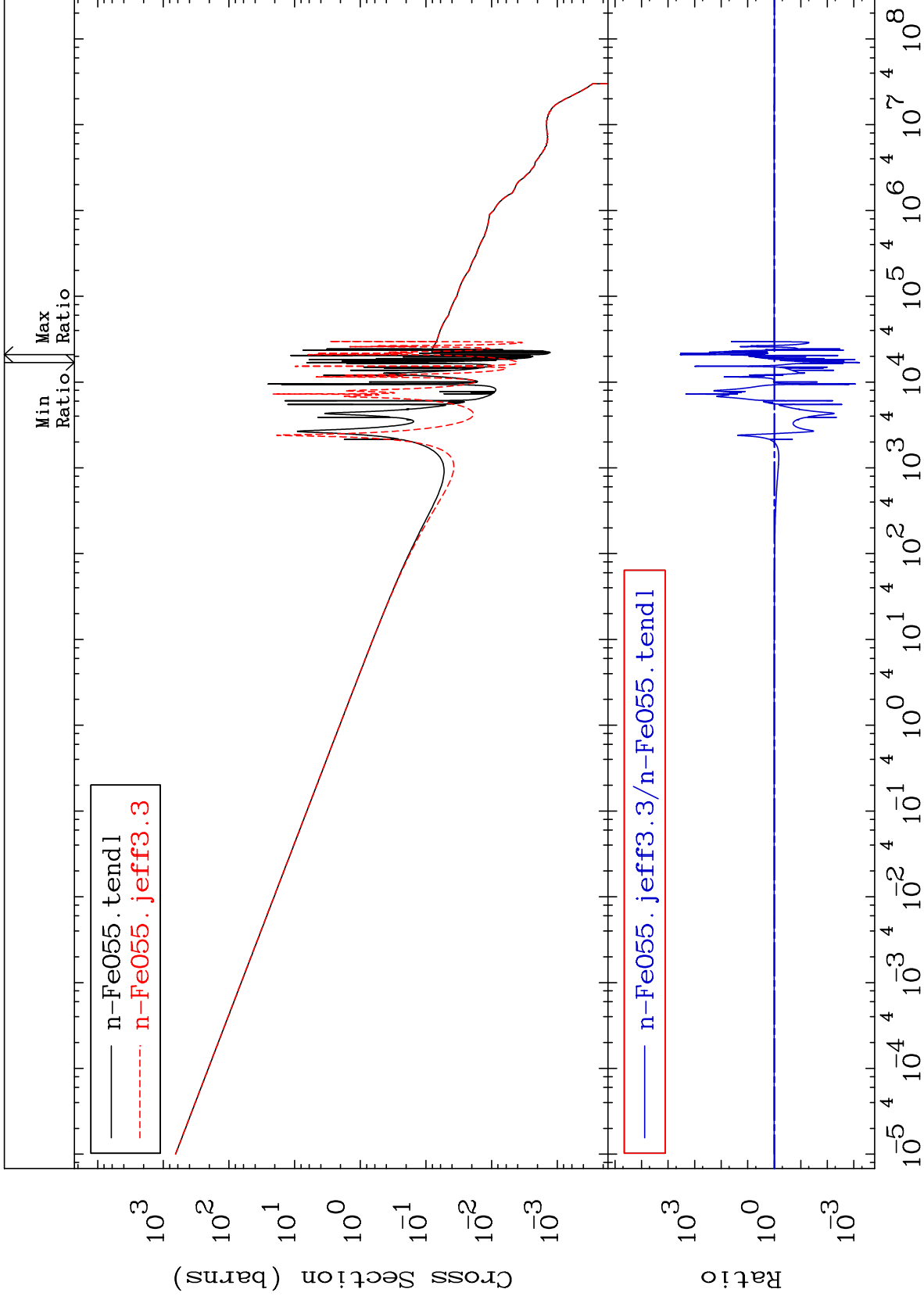
(n, n') Continuum
Cross Section

$^{26}\text{Fe-55}$
To 0.108 %



Cross Section

-99.94 To 9999. %



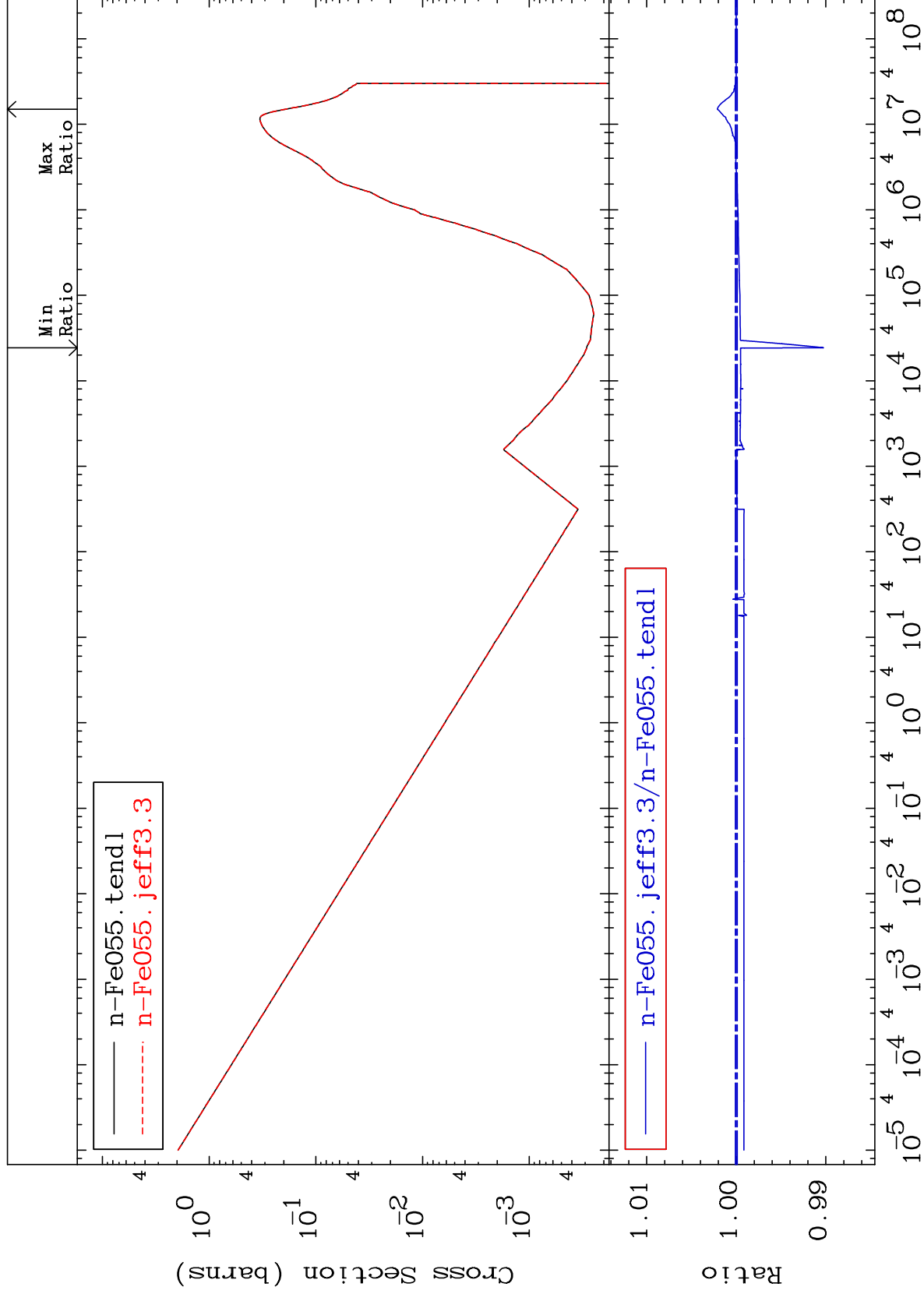
MAT 2628

(n, p)

26-Fe-55

Cross Section

-0.973 To 0.212 %



47

Incident Energy (eV)

26-Fe-55

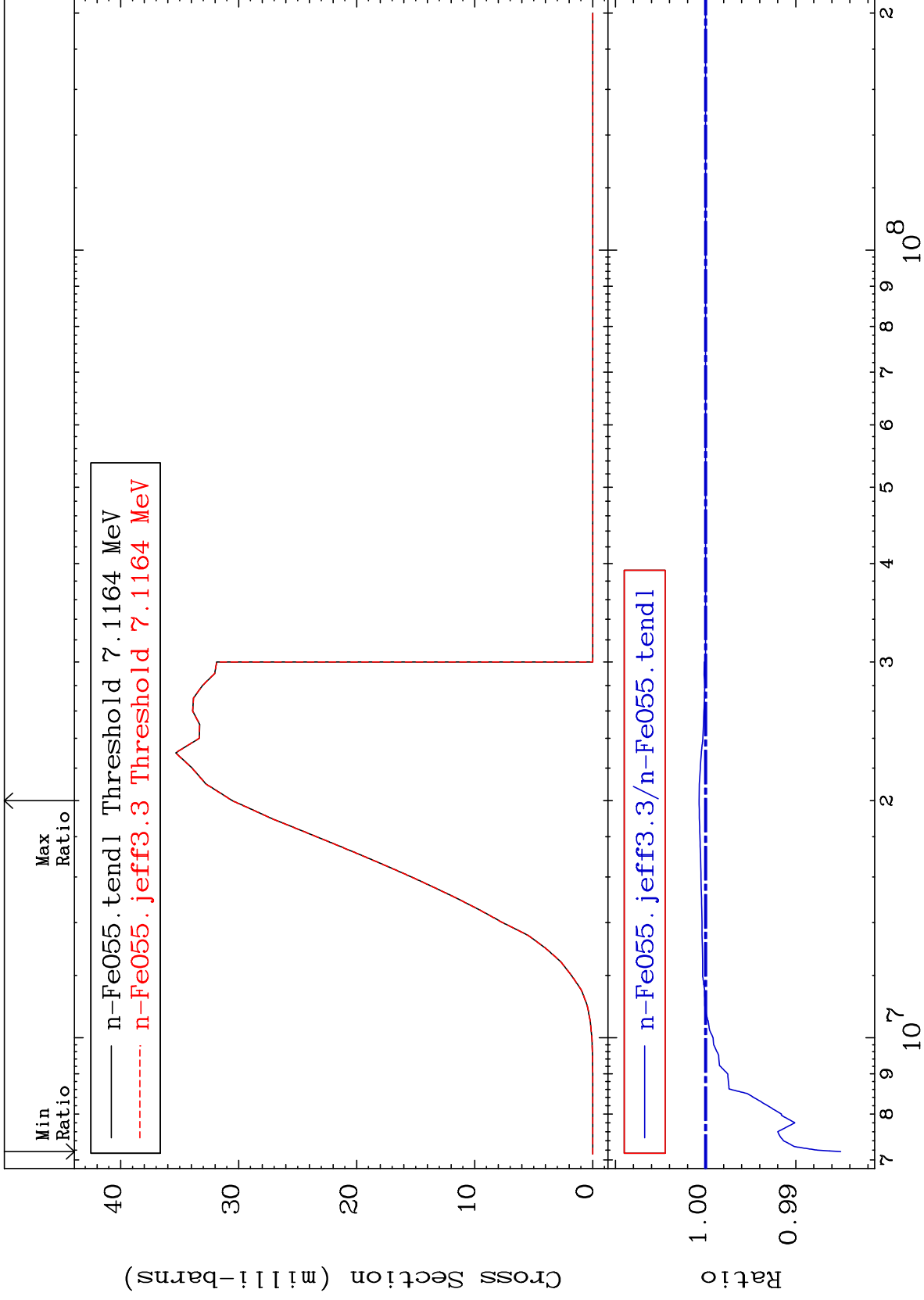
MAT 2628

(n, d)

²⁶Fe-55

Cross Section

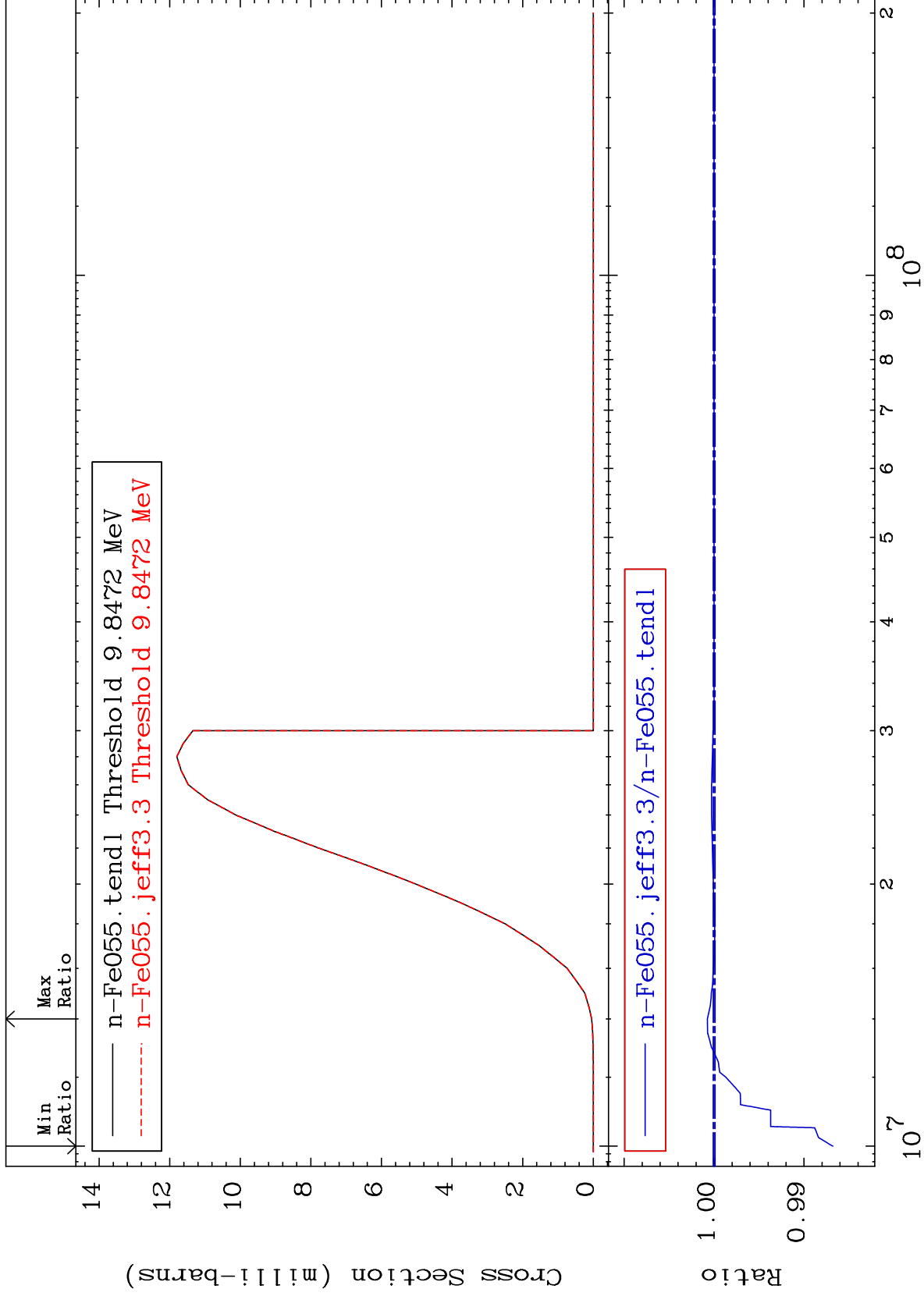
-1.497 To 0.072 %



MAT 2628

(n, t)
Cross Section

26-Fe-55
-1.320 To 0.074 %



49

Incident Energy (eV)

26-Fe-55

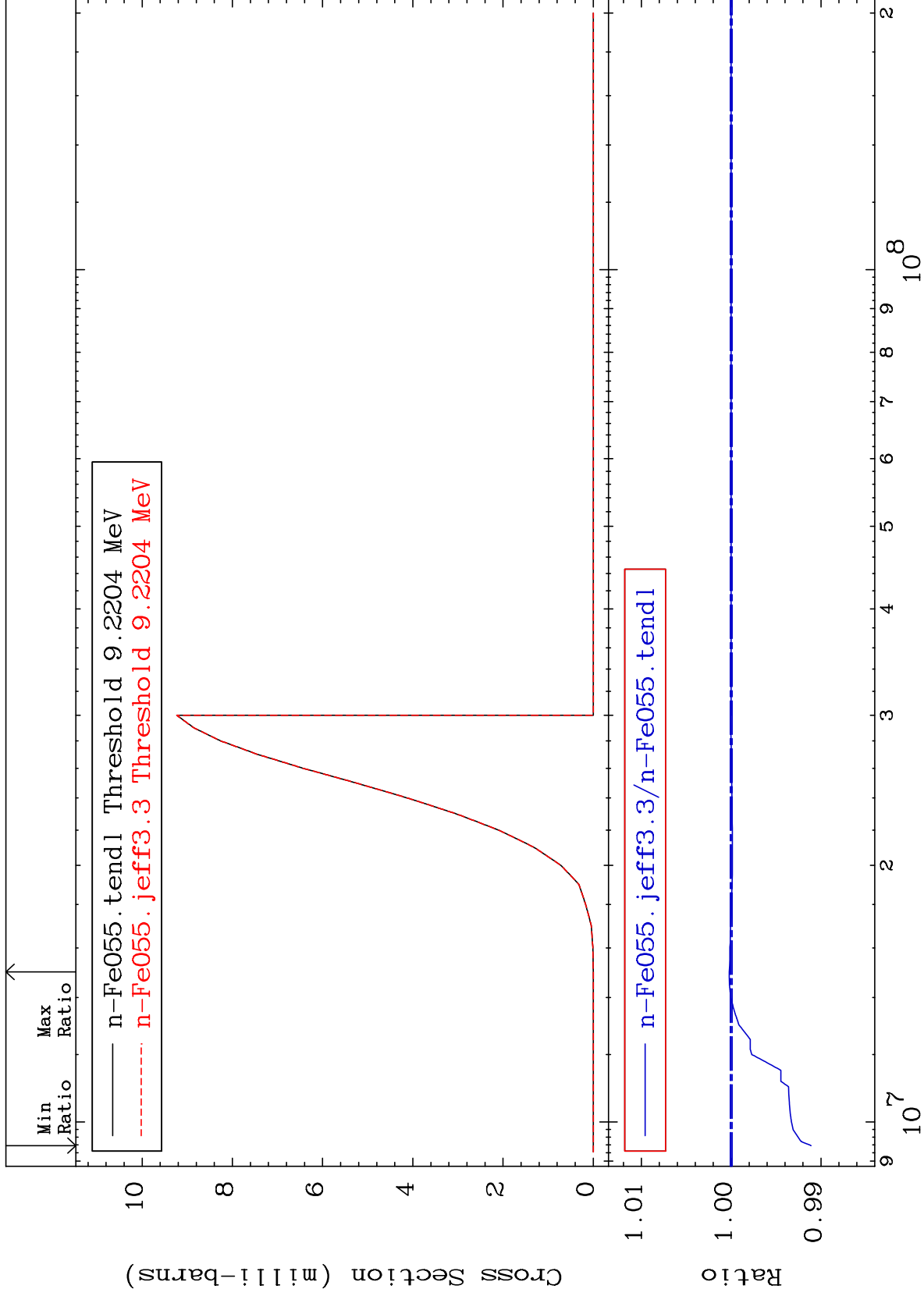
MAT 2628

(n, He-3)

²⁶Fe-55

Cross Section

-0.890 To 0.022 %



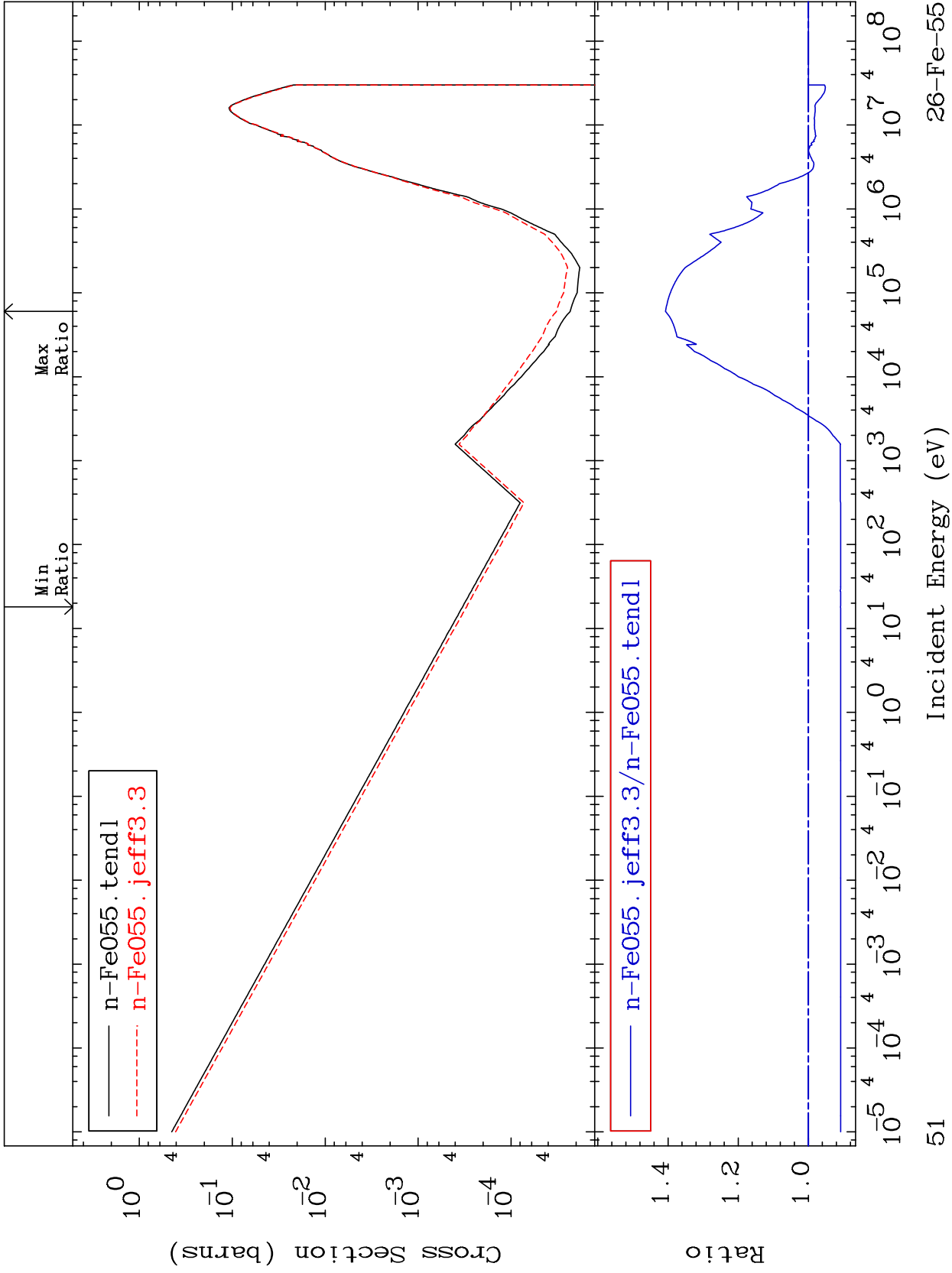
50

Incident Energy (eV)

²⁶Fe-55

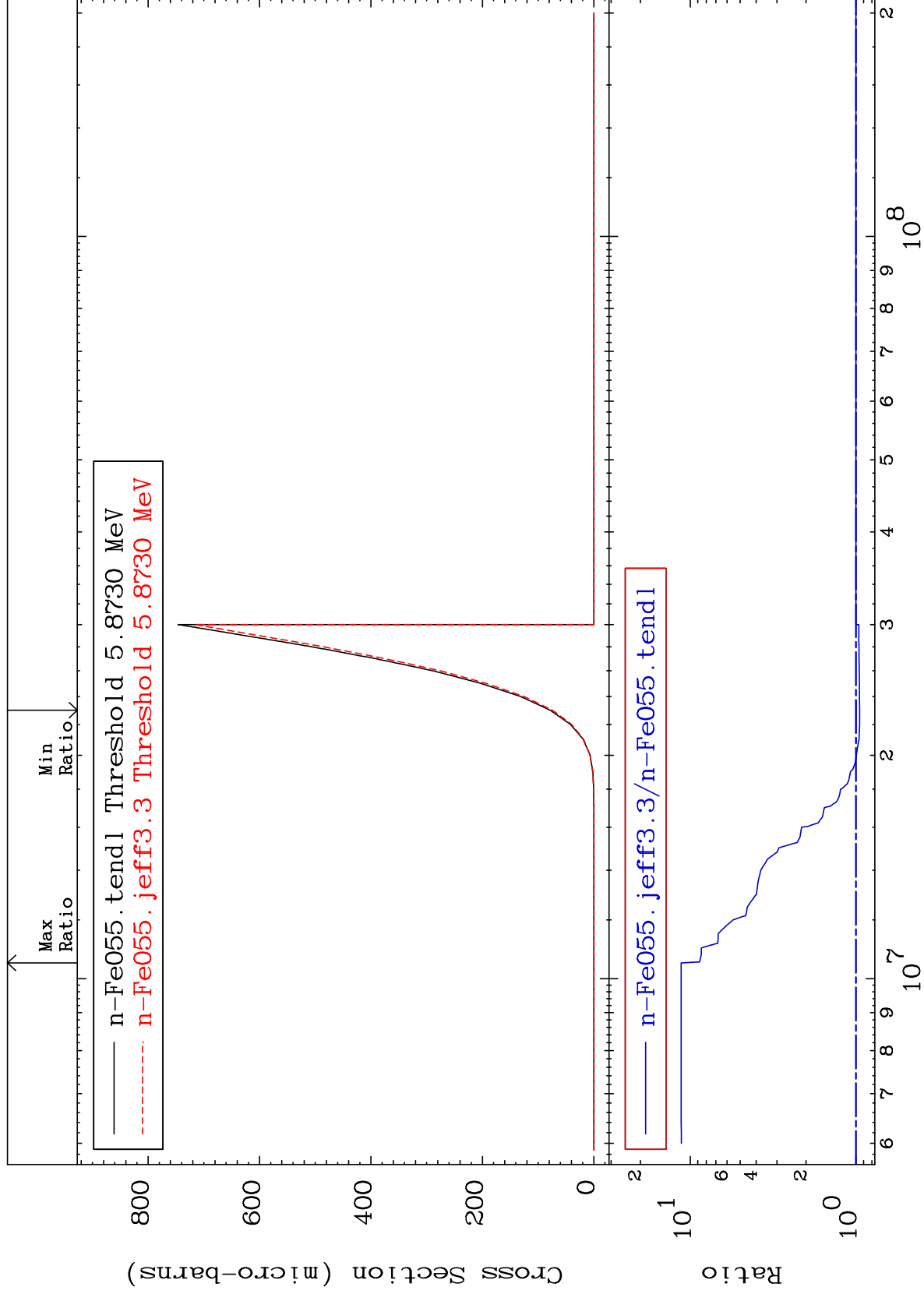
MAT 2628

(n, α)
Cross Section
26-Fe-55
-9.212 To 40.71 %



Cross Section

-5.043 To 1034. %



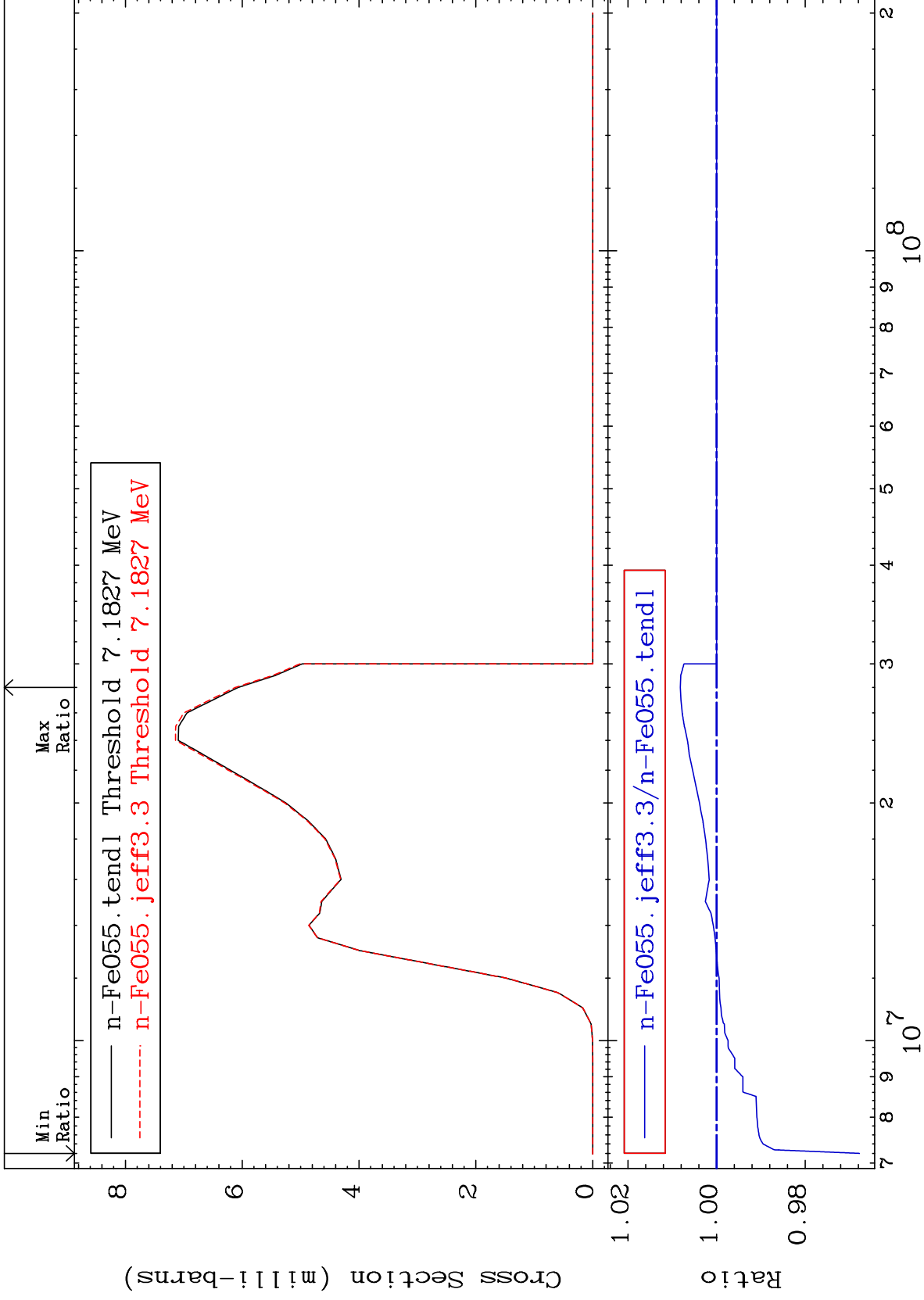
MAT 2628

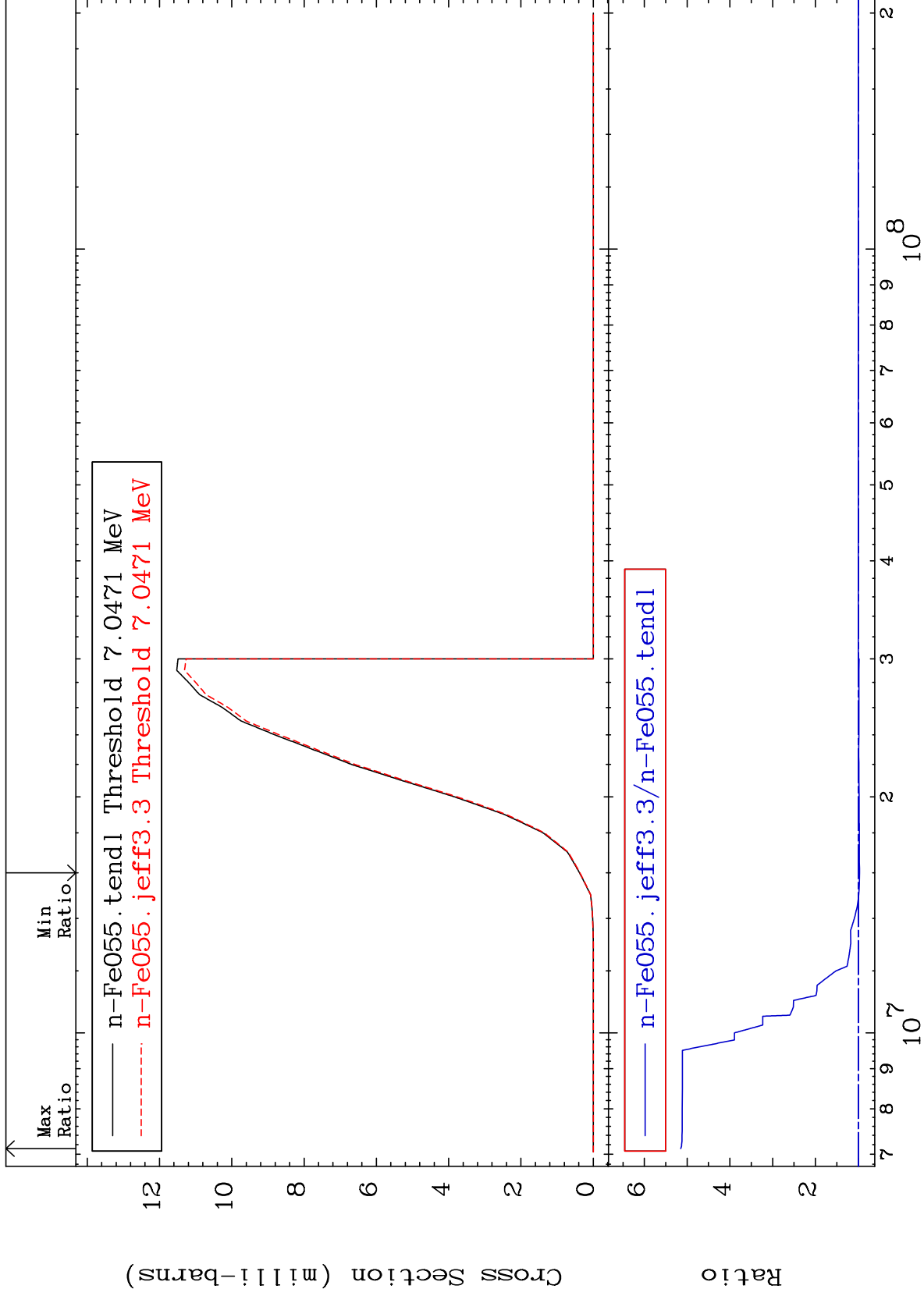
(n,2p)

²⁶Fe-55

Cross Section

-3.226 To 0.816 %

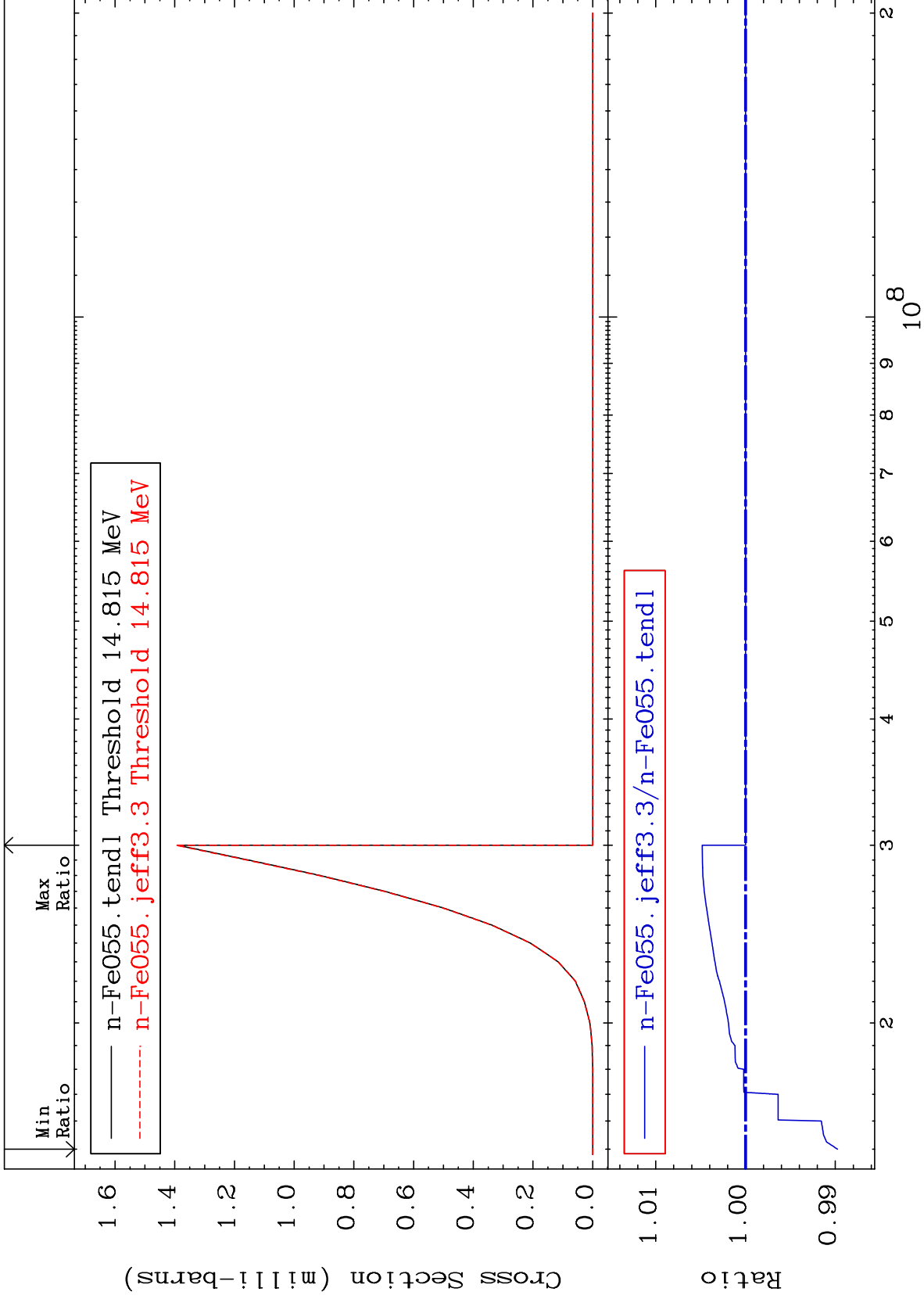


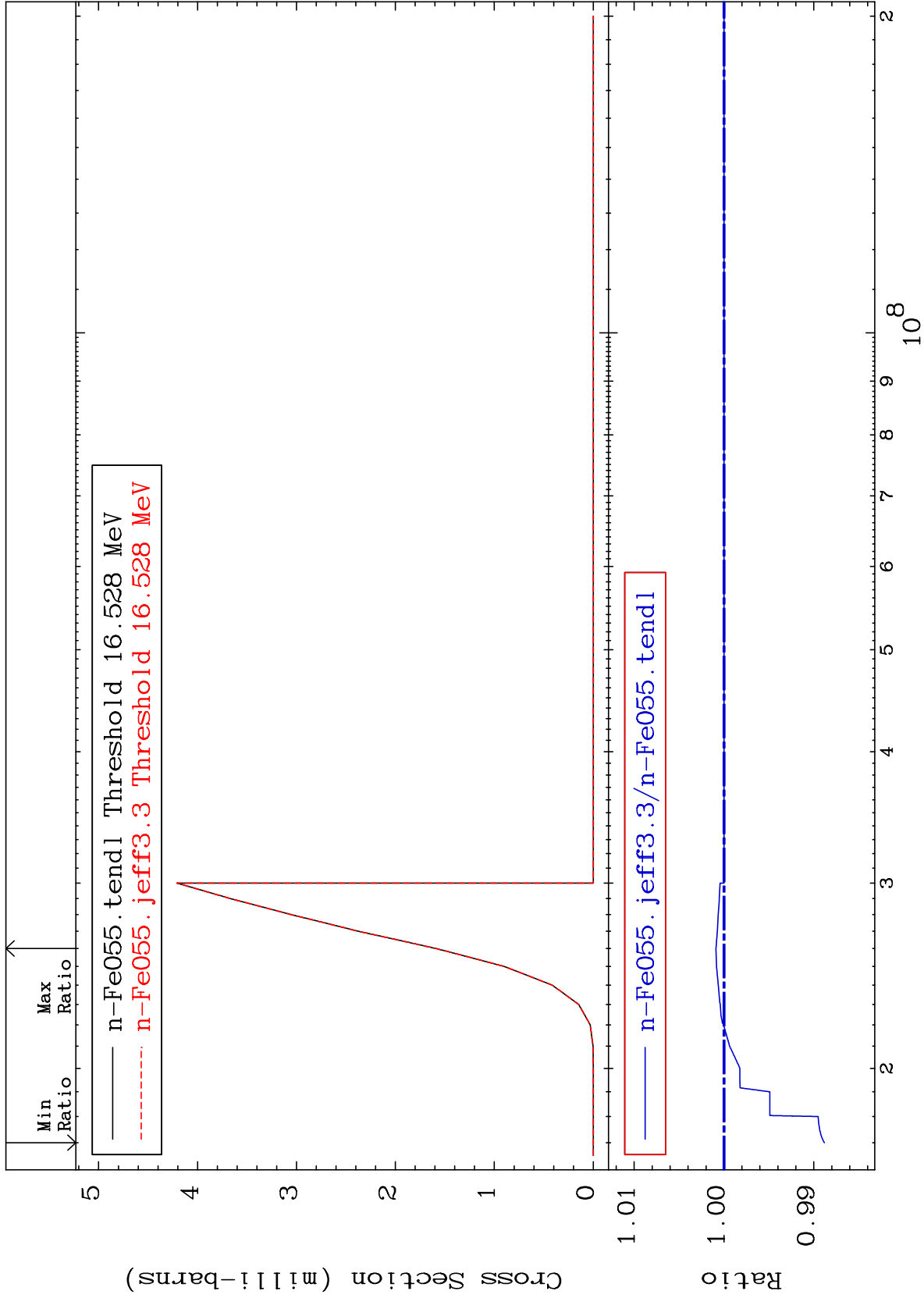


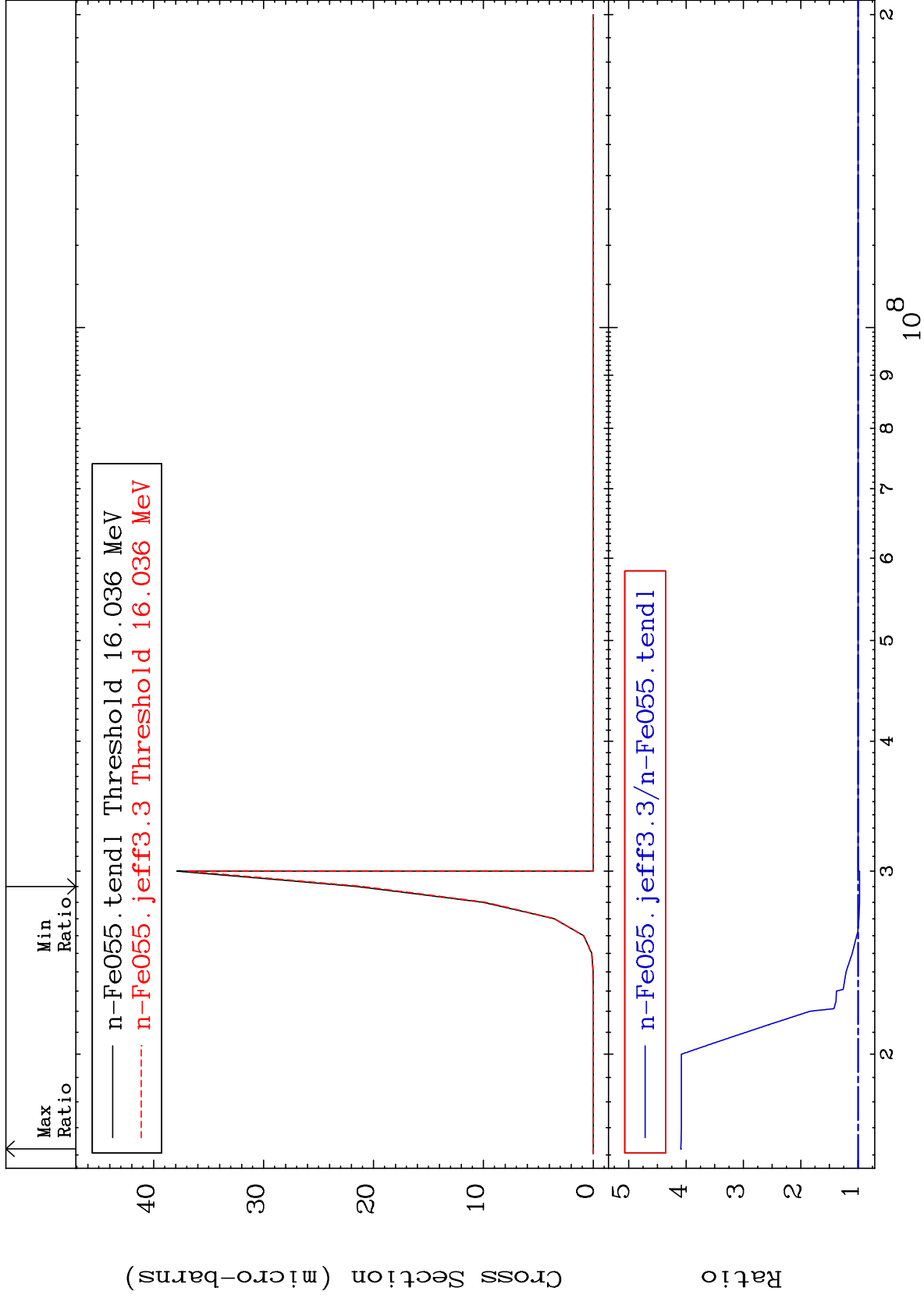
MAT 2628

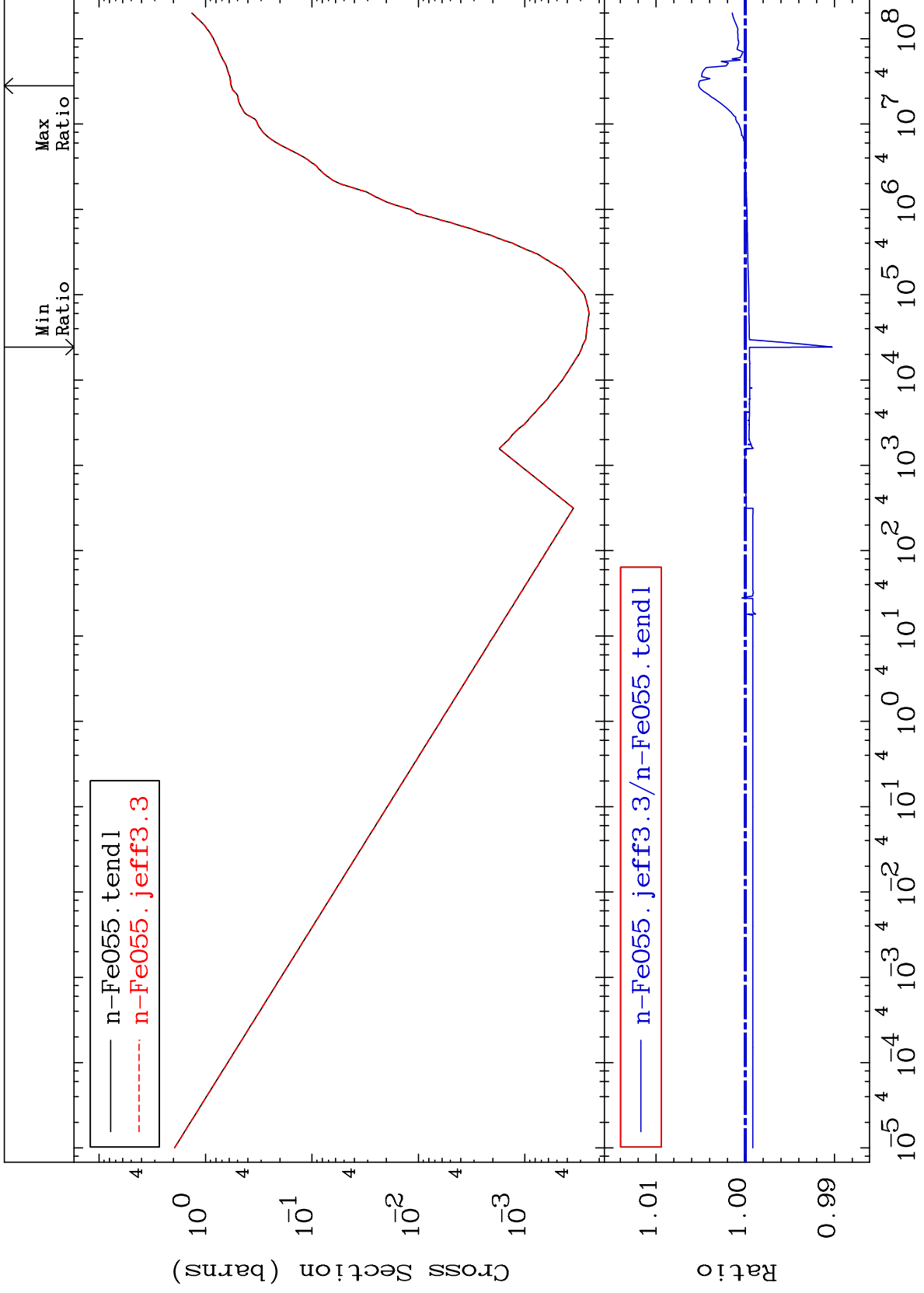
(n, p) d
Cross Section

26-Fe-55
-1.025 To 0.482 %





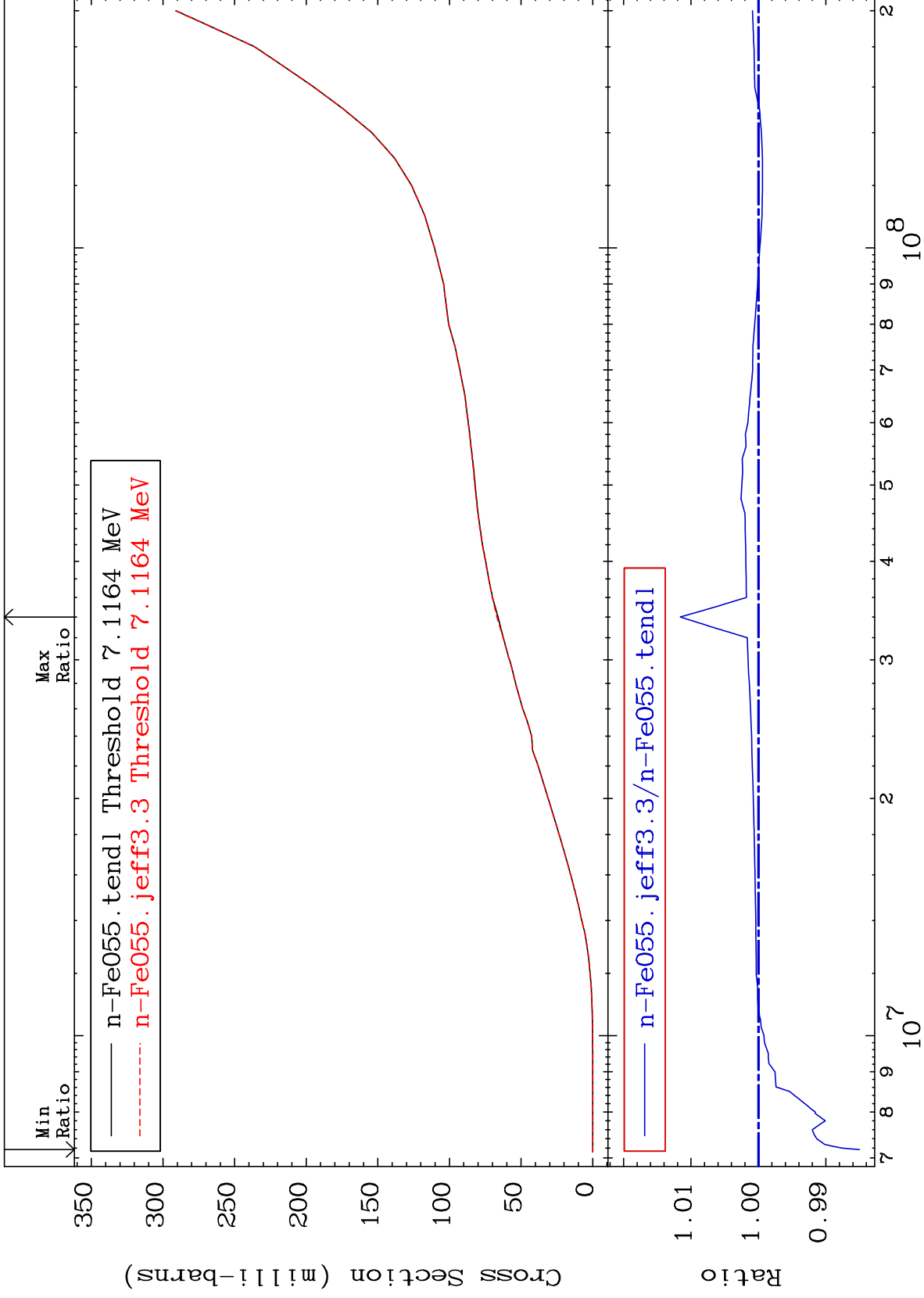




MAT 2628

Deuterium Production
Cross Section

²⁶Fe-55
-1.497 To 1.158 %



59

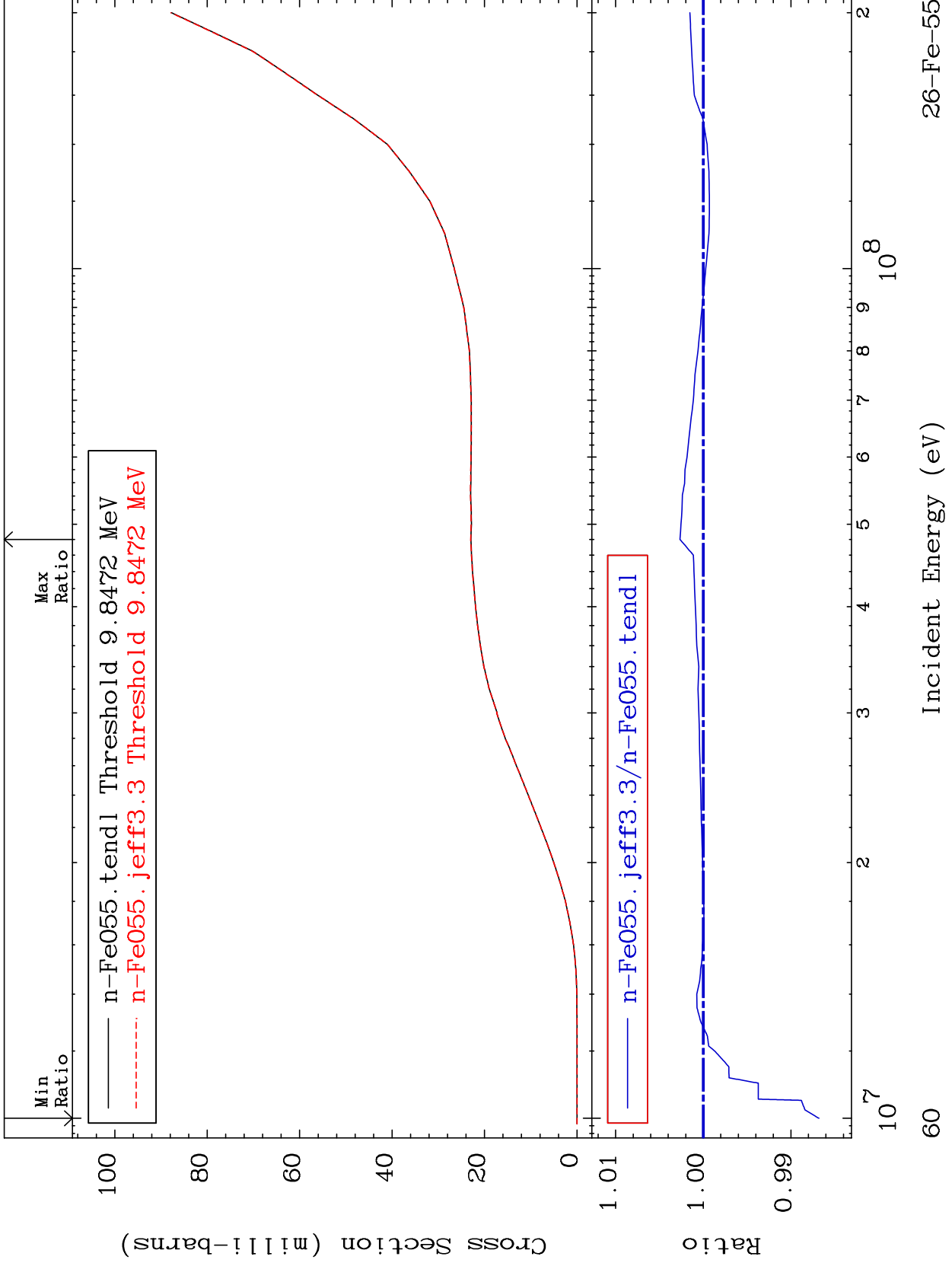
Incident Energy (eV)

²⁶Fe-55

MAT 2628

Tritium Production
Cross Section

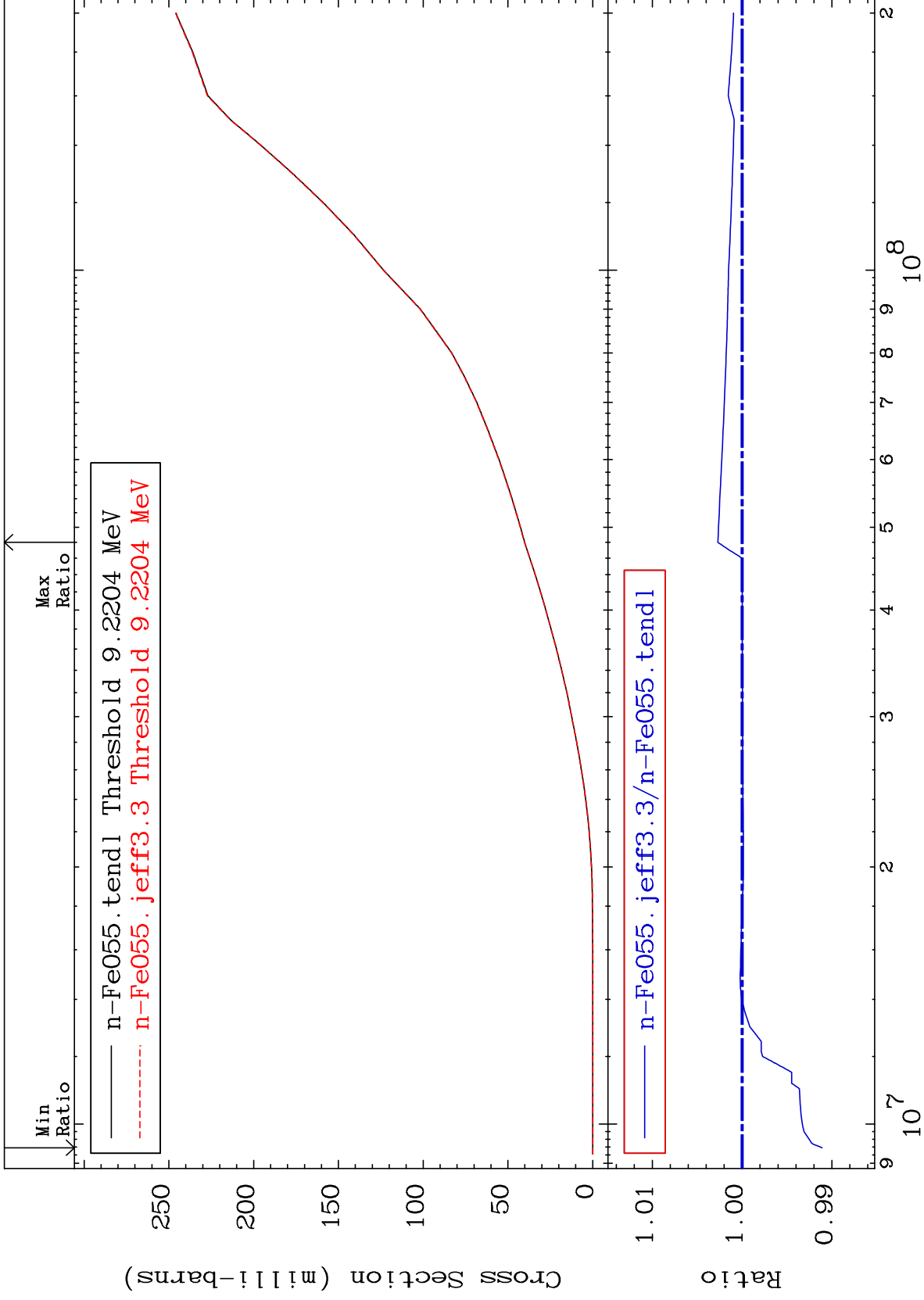
$^{26}\text{Fe-55}$
-1.320 To 0.266 %



MAT 2628

He-3 Production
Cross Section

²⁶Fe-55
-0.890 To 0.271 %



61

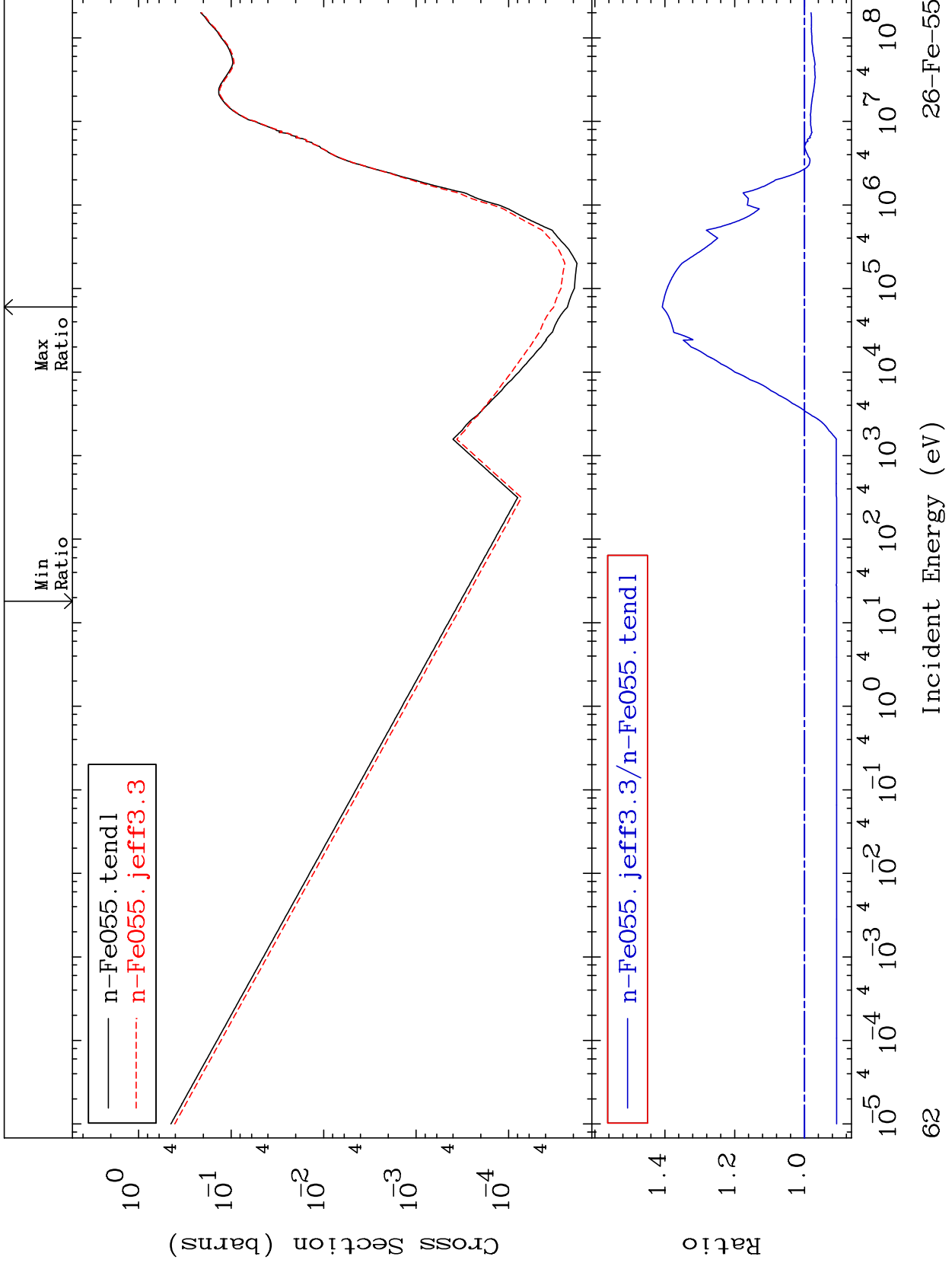
Incident Energy (eV)

²⁶Fe-55

MAT 2628

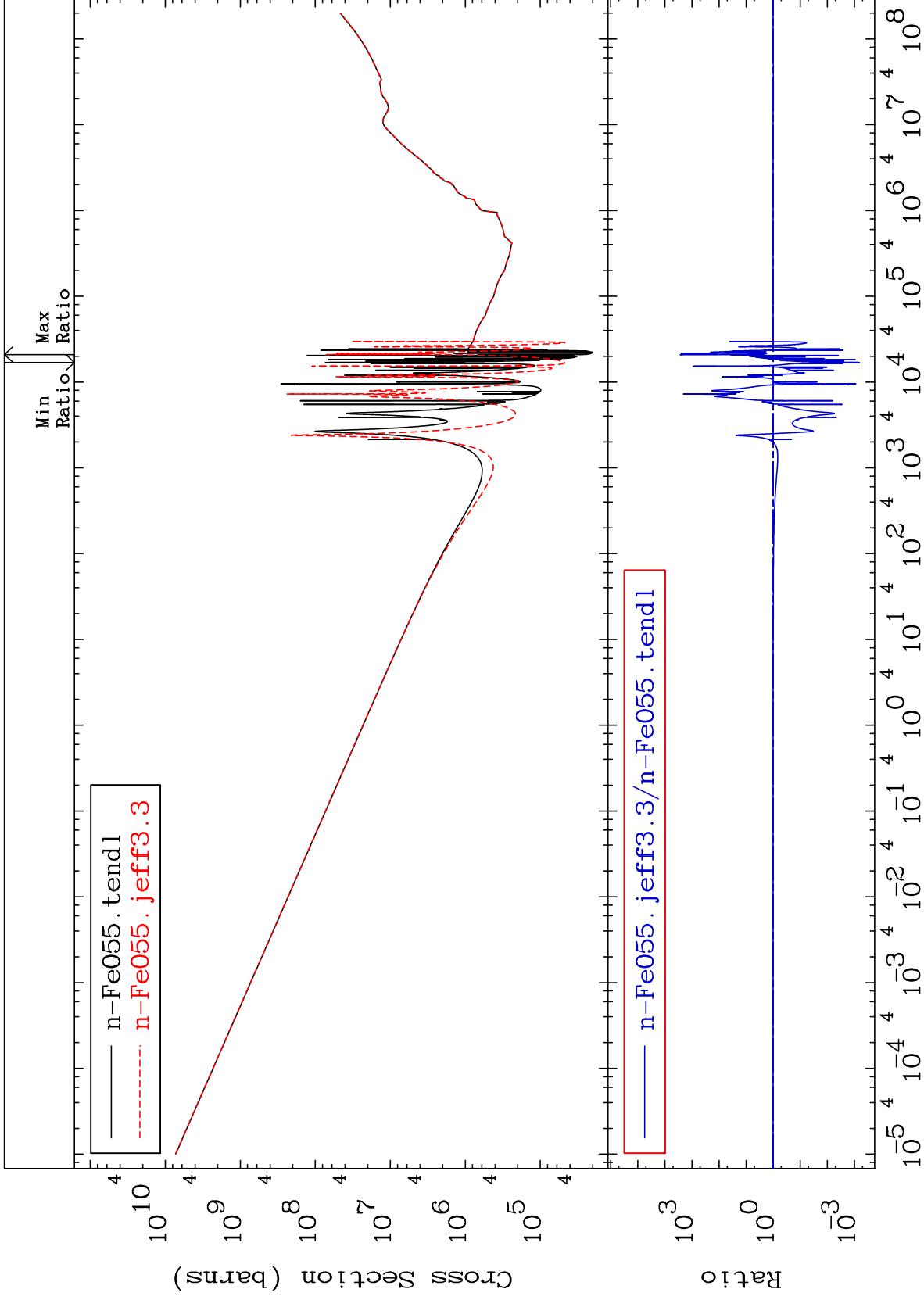
He-4 Production
Cross Section

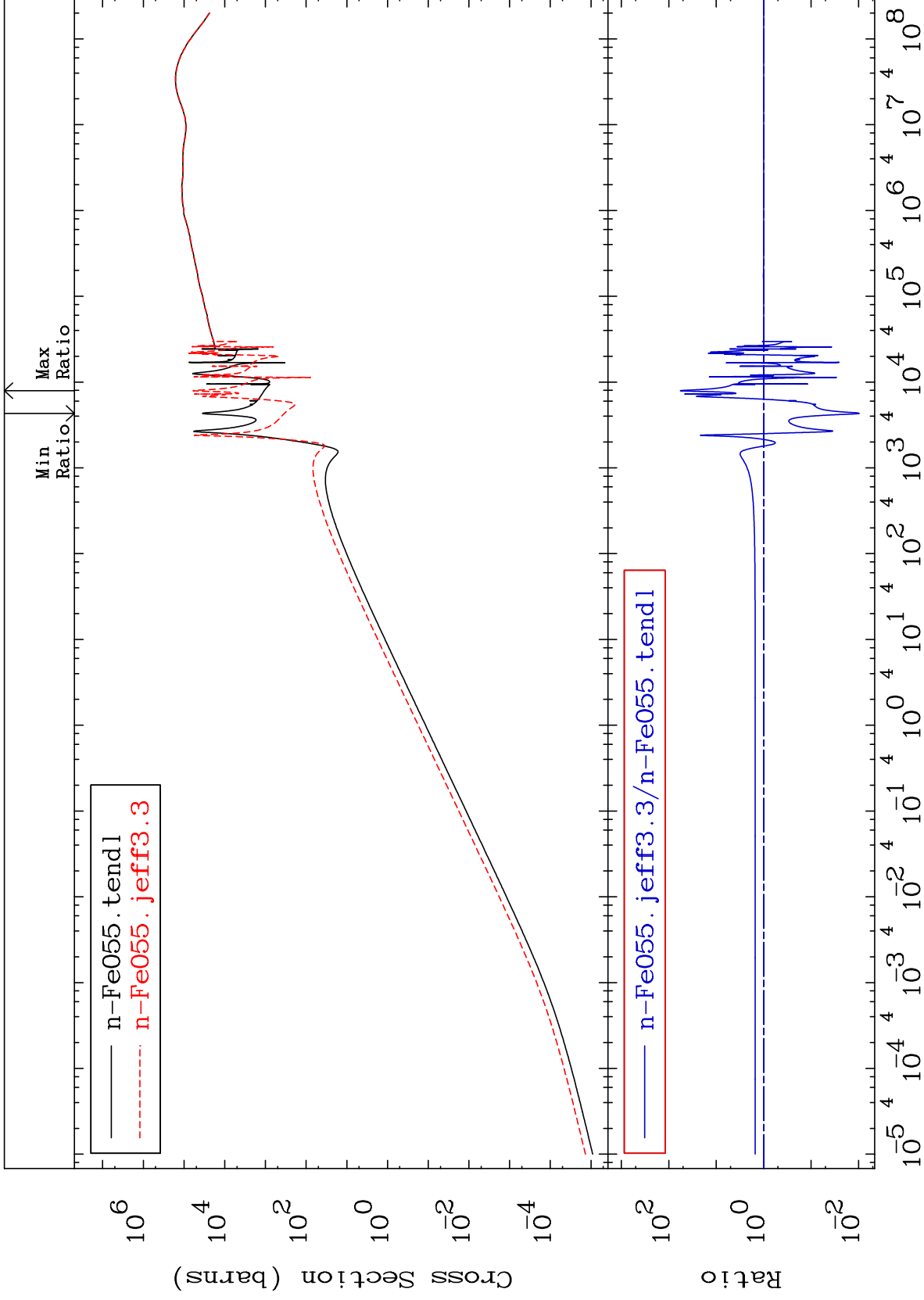
²⁶Fe-55
-9.212 To 40.71 %

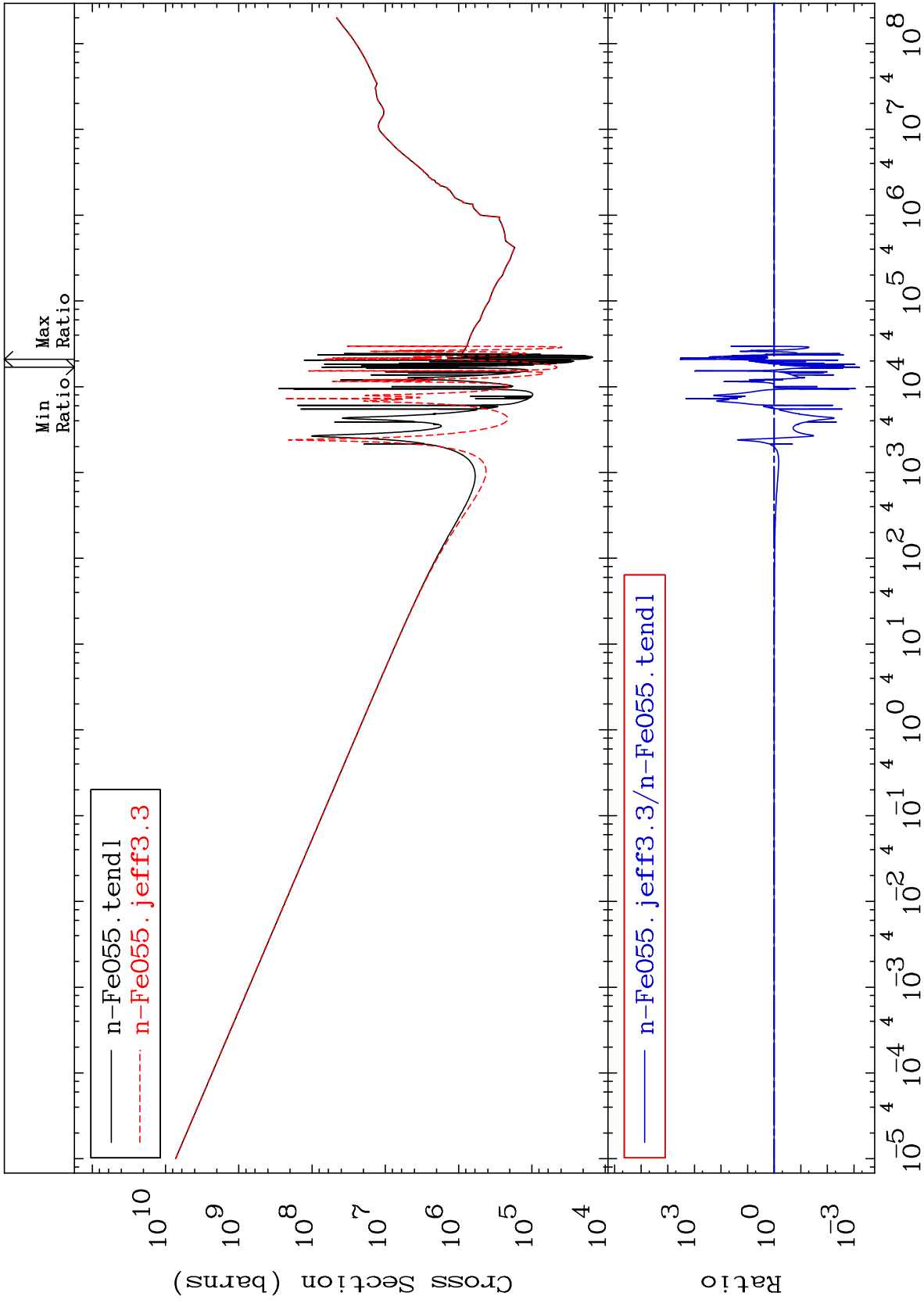


62

²⁶Fe-55



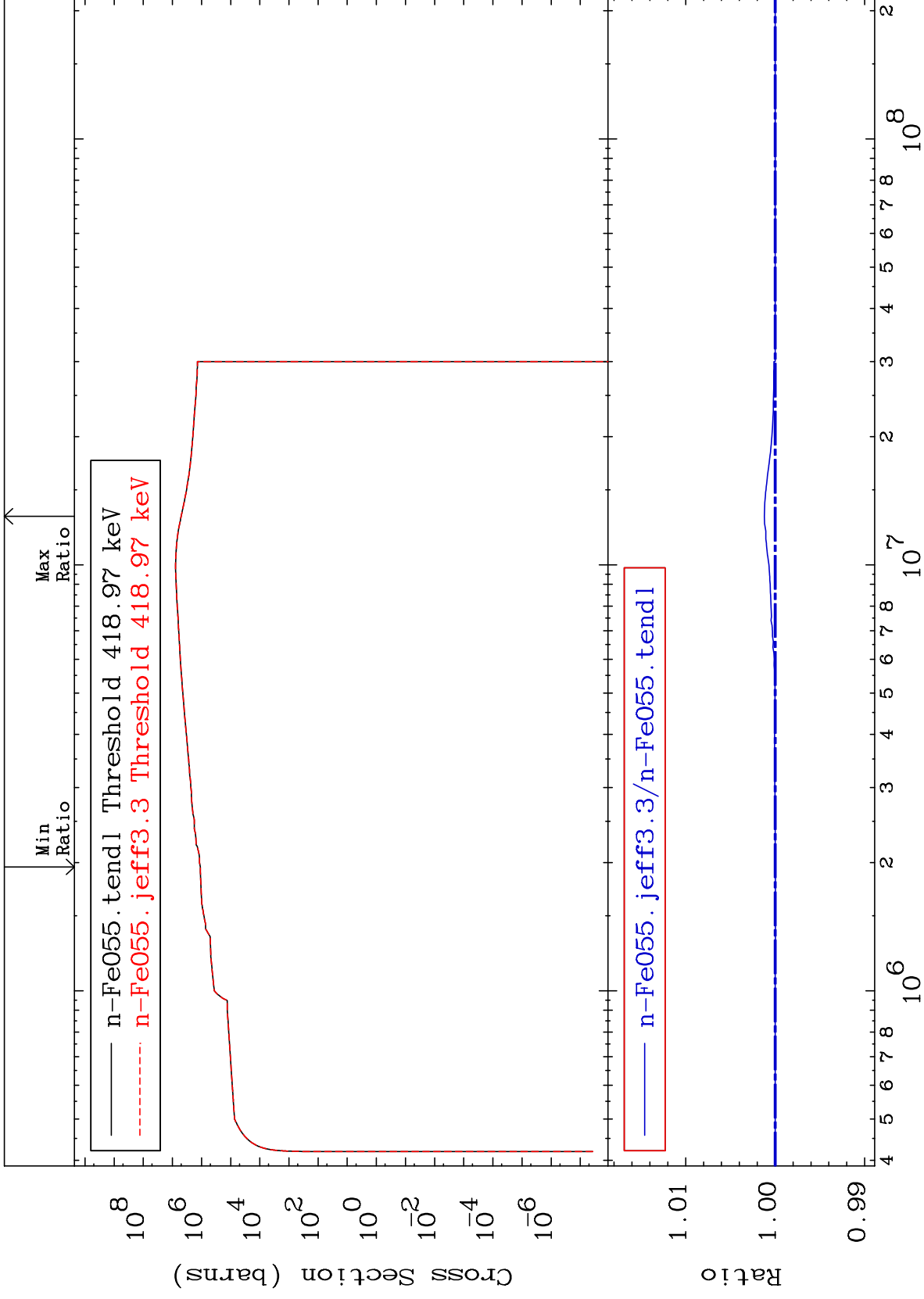




MAT 2628

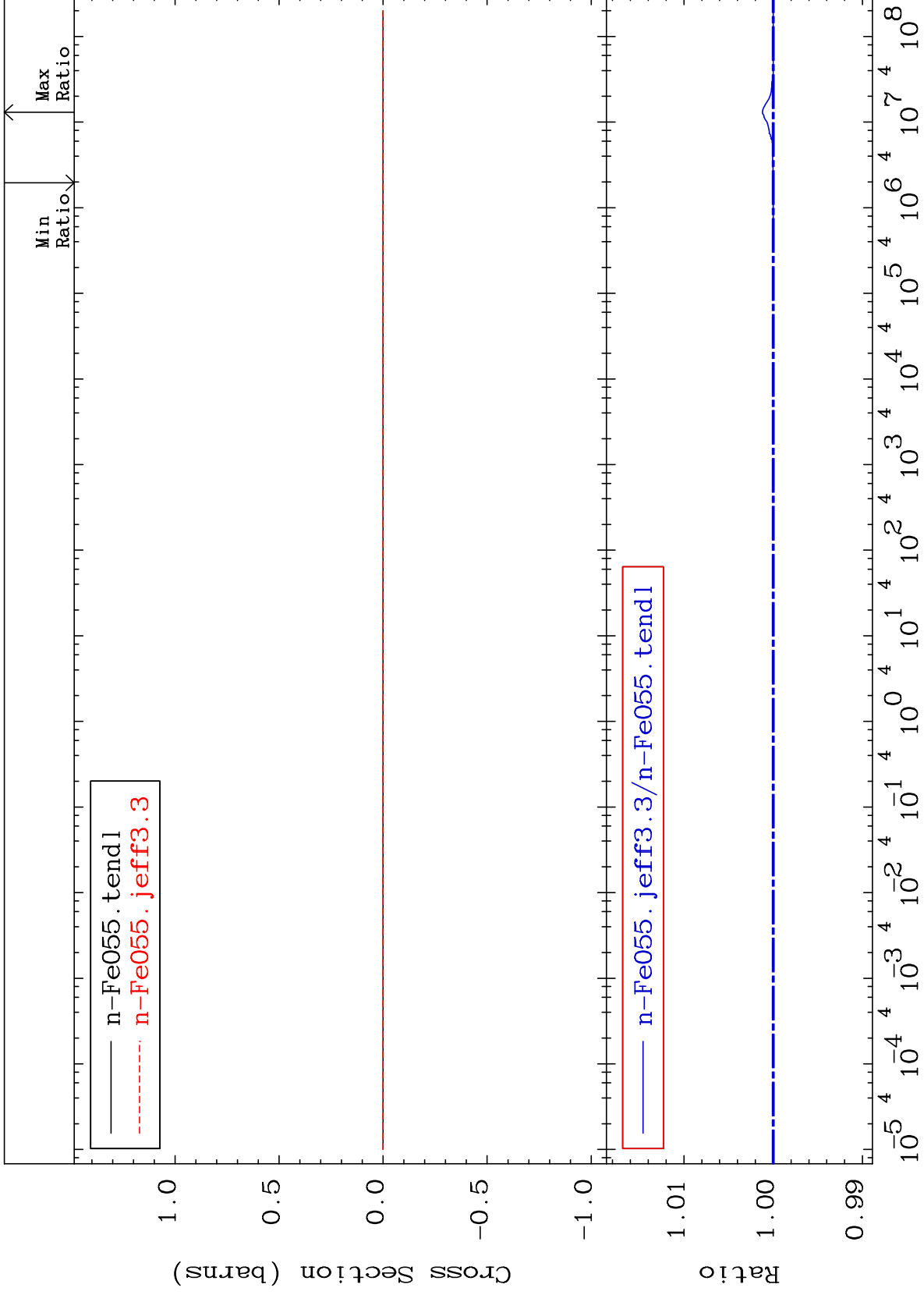
Kerma inelastic (mt51-91)
Cross Section

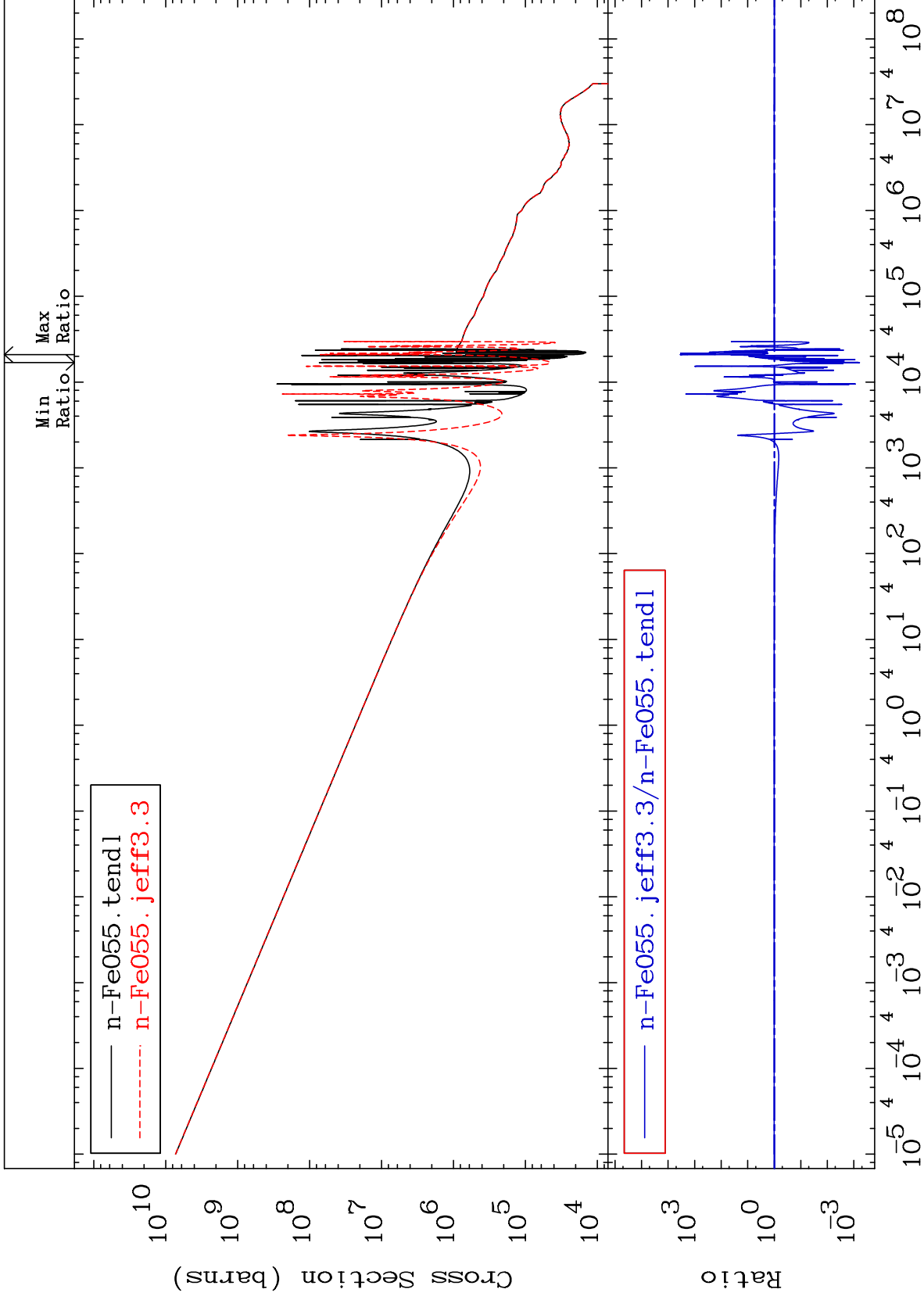
26-Fe-55
-0.002 To 0.120 %

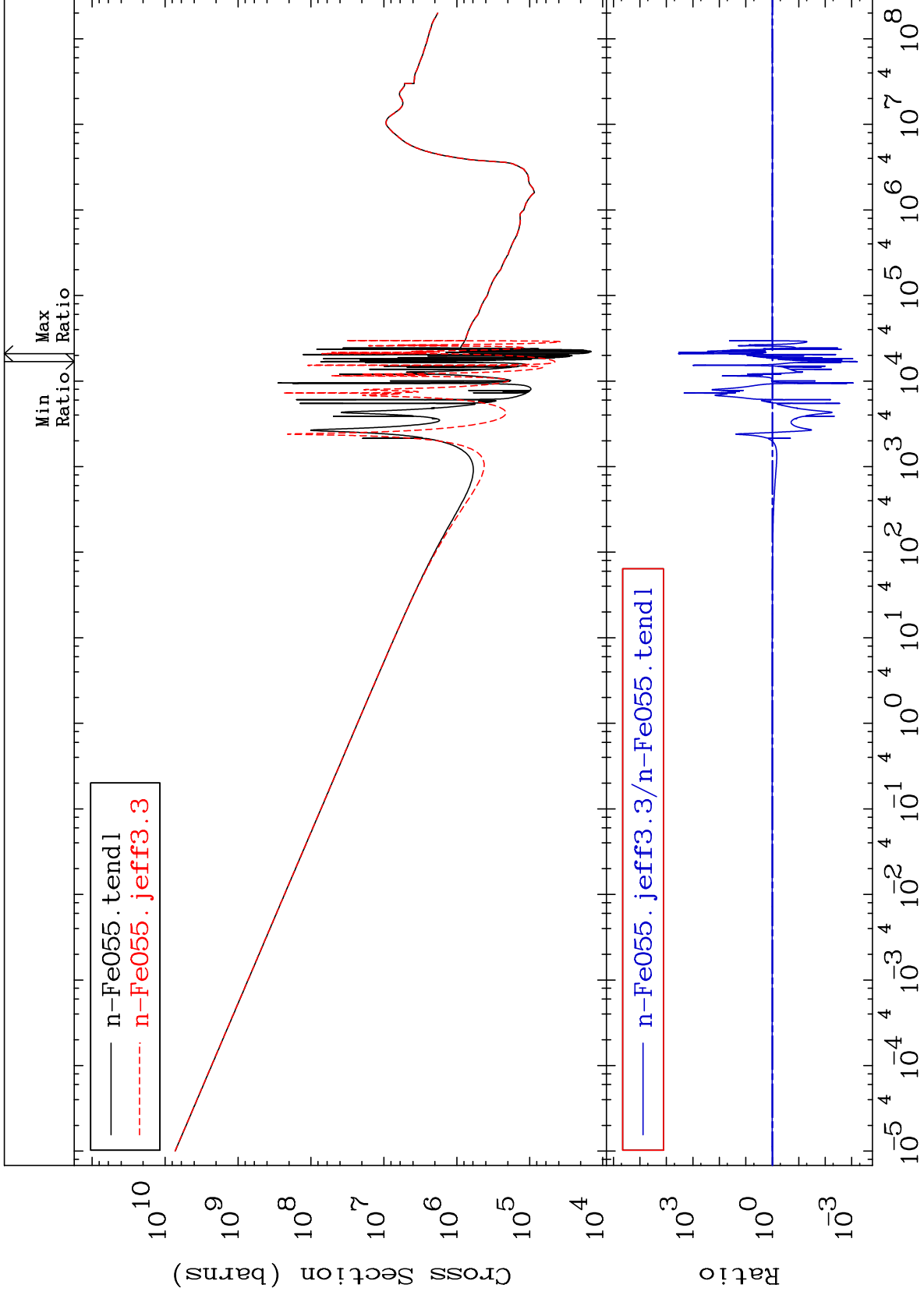


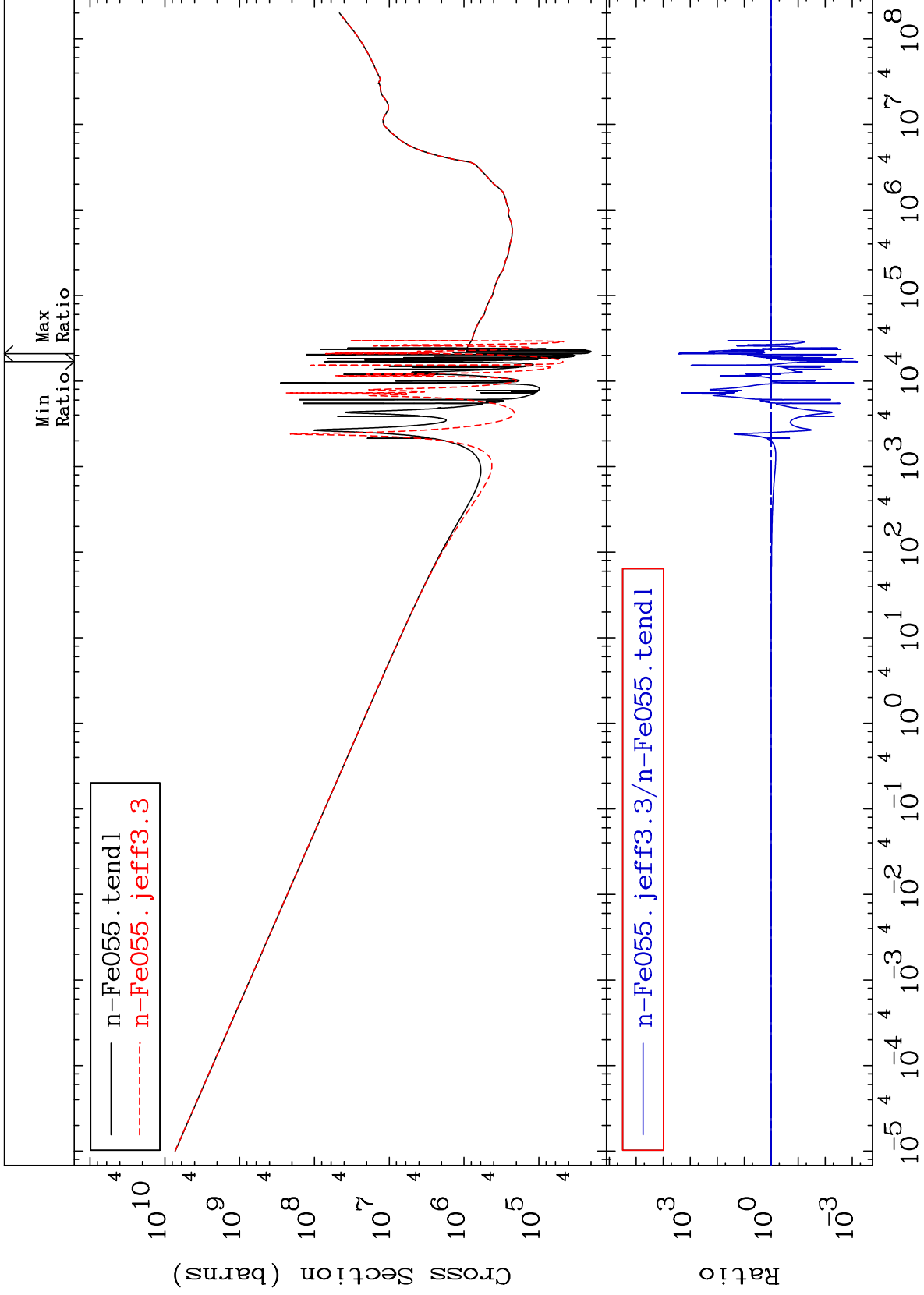
66

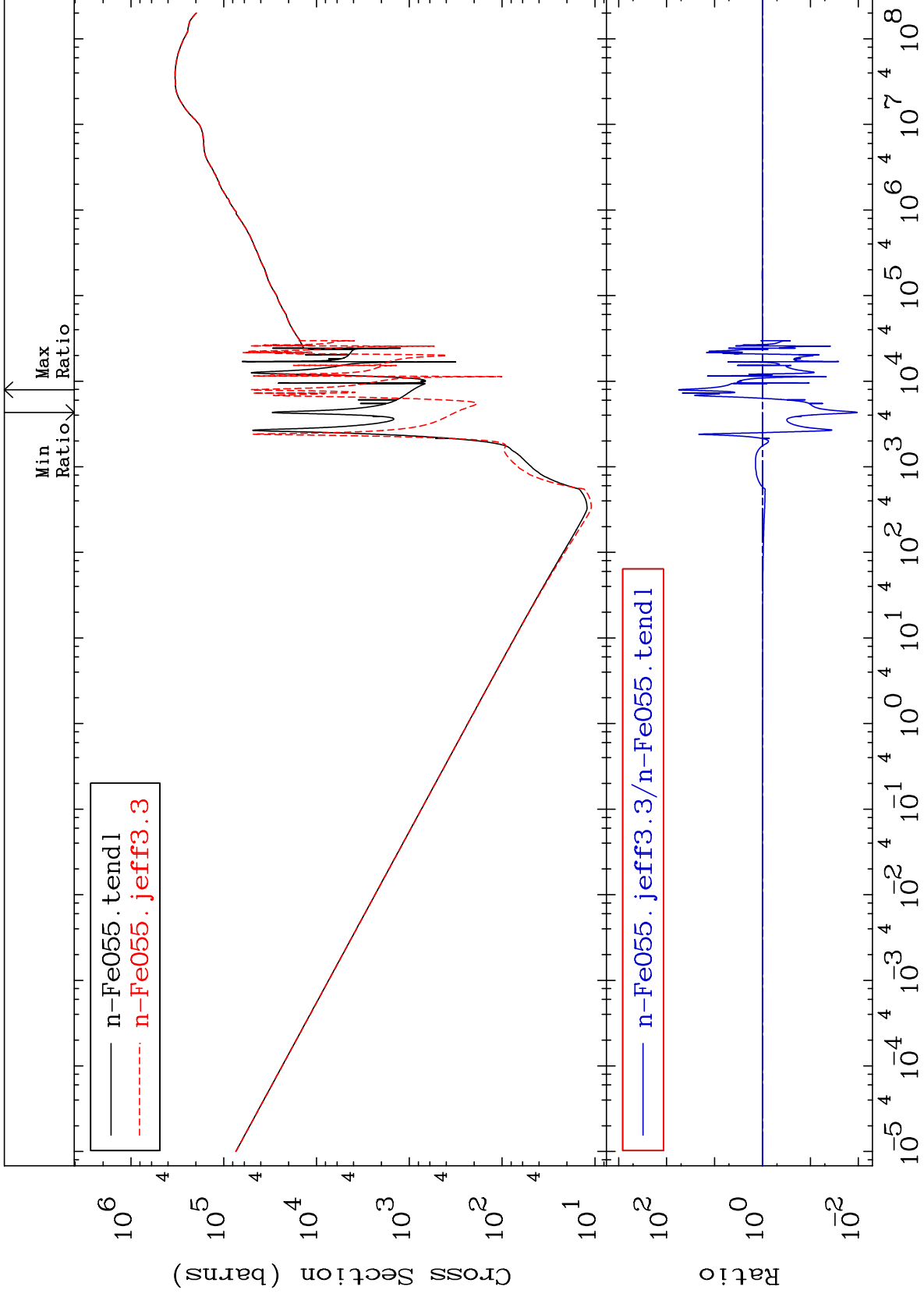
26-Fe-55





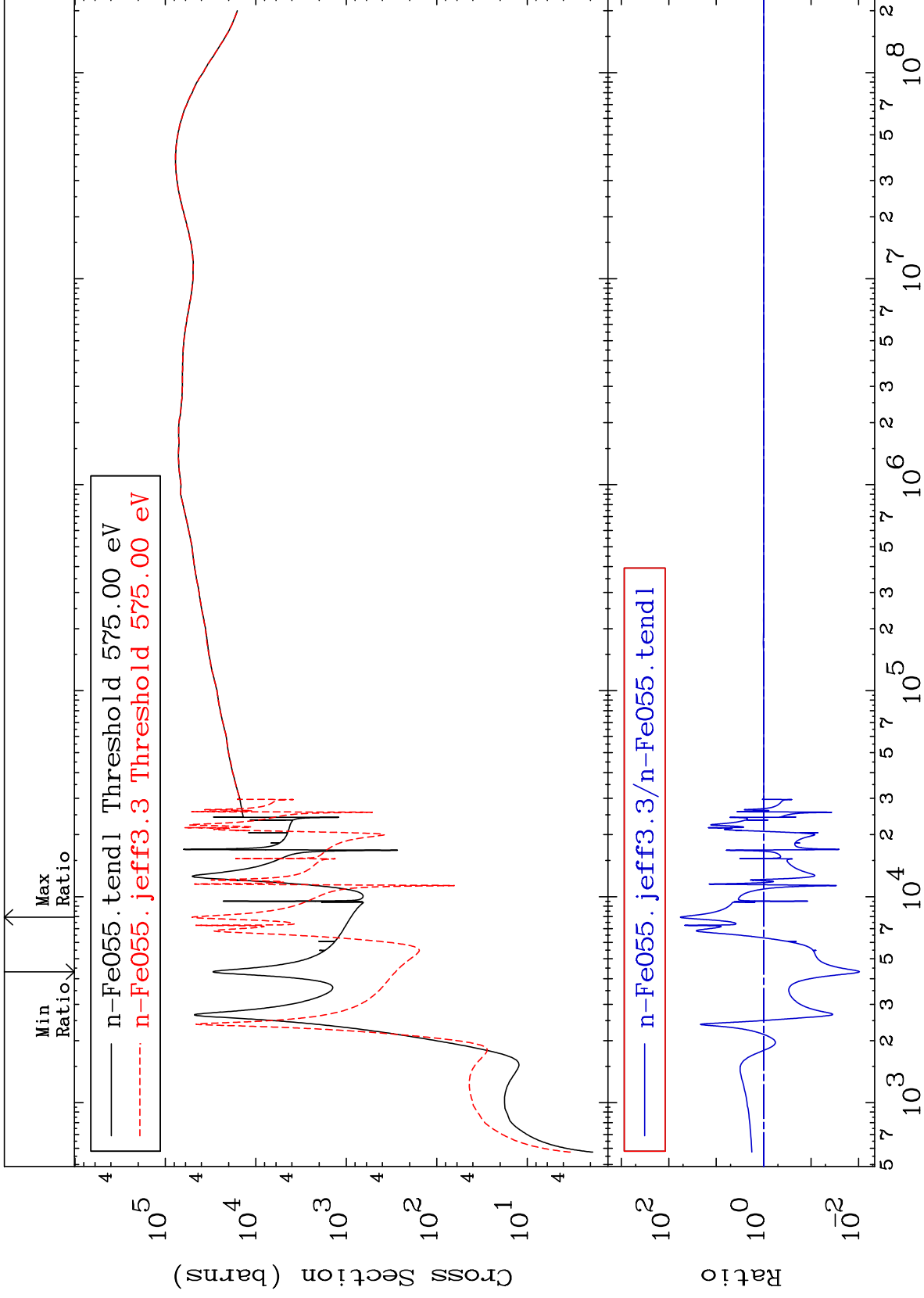


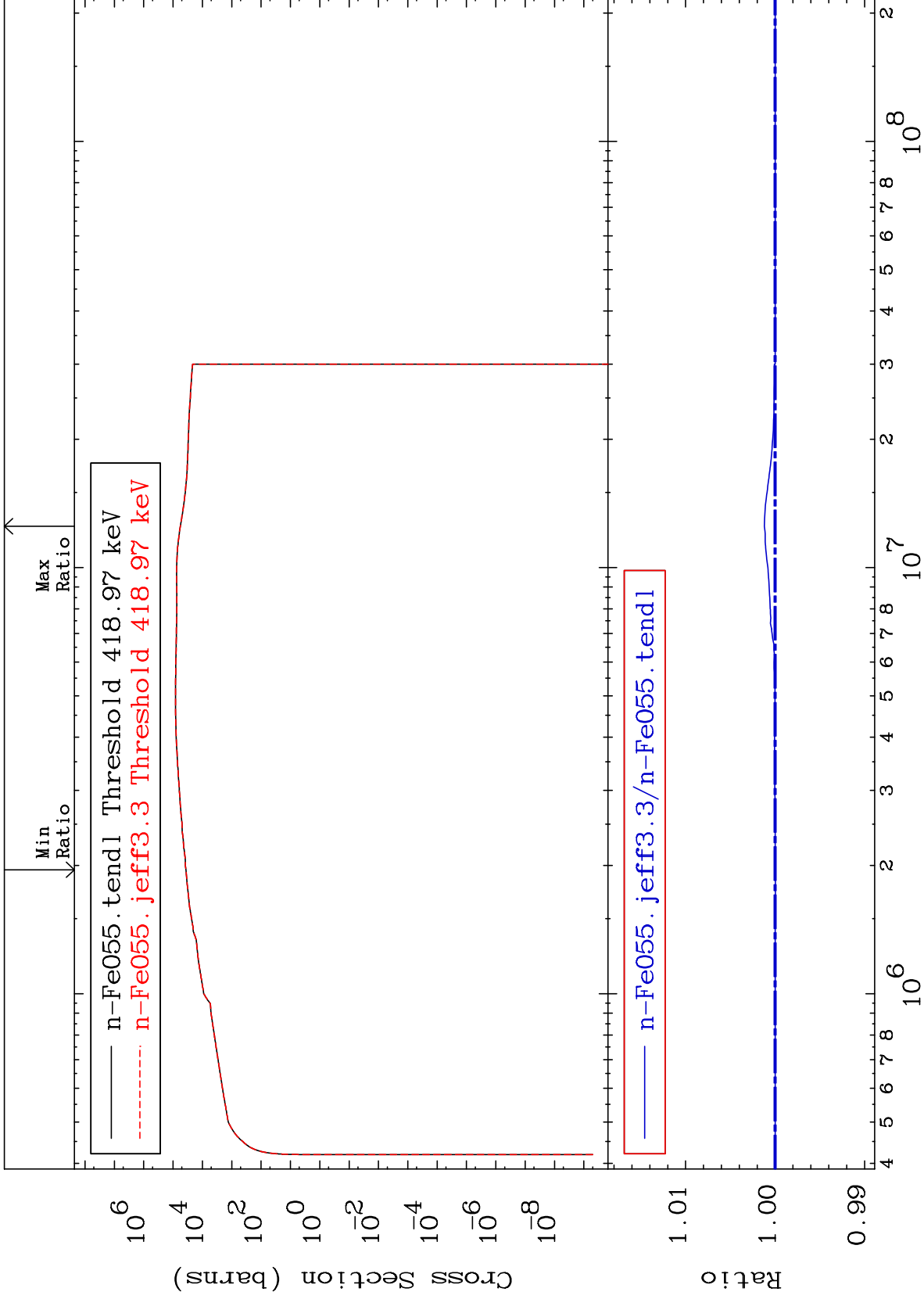


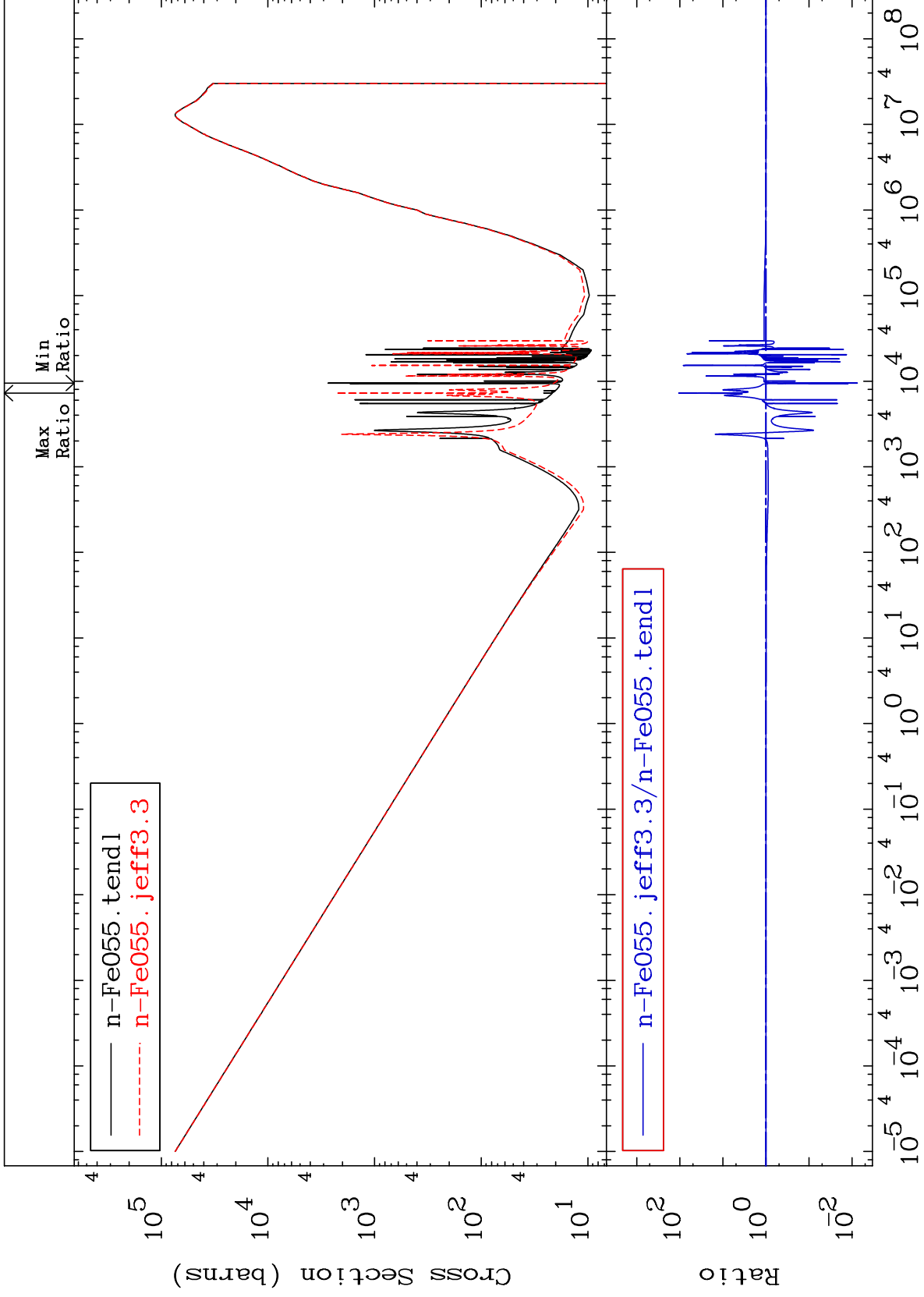


n-Fe055.tendl
n-Fe055.jeff3.3

n-Fe055.jeff3.3/n-Fe055.tendl





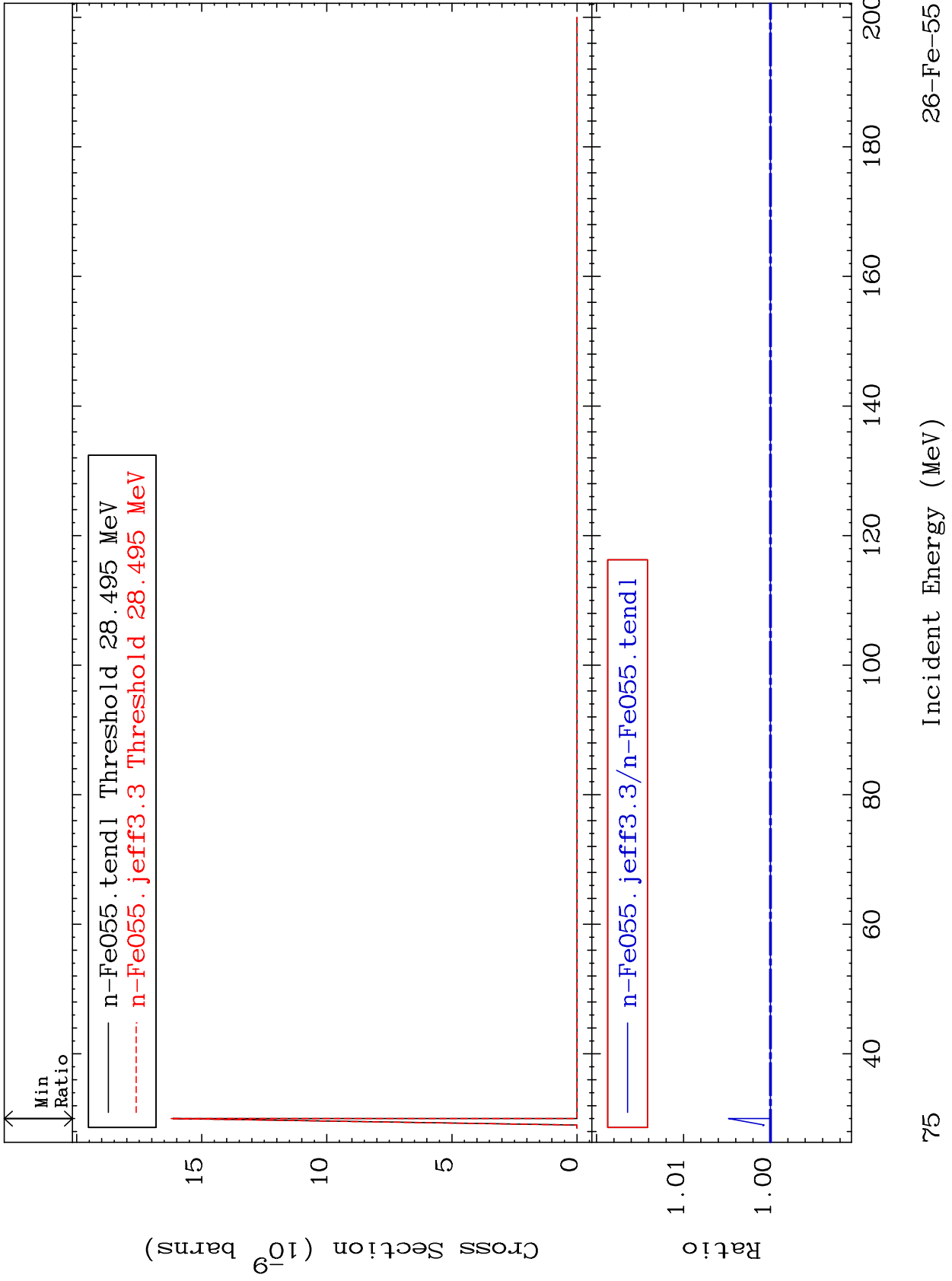


MAT 2628

(n,2n) d:25-Mn-52g

26-Fe-55

Radionuclide Production Cross Section 0.000 To 0.482 %

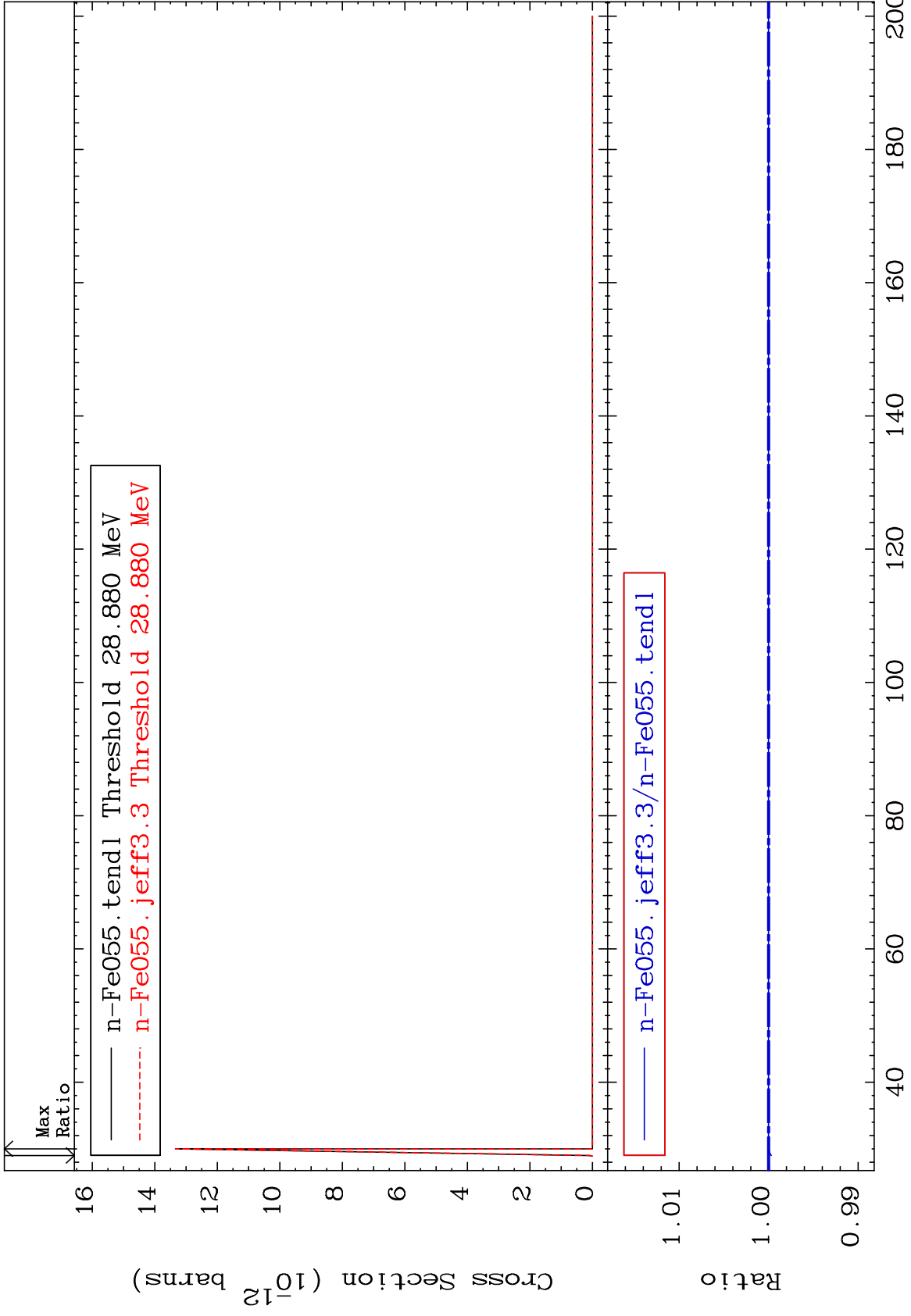


75

Incident Energy (MeV)

26-Fe-55

Radionuclide Production Cross Section -0.029 To 0.010 %

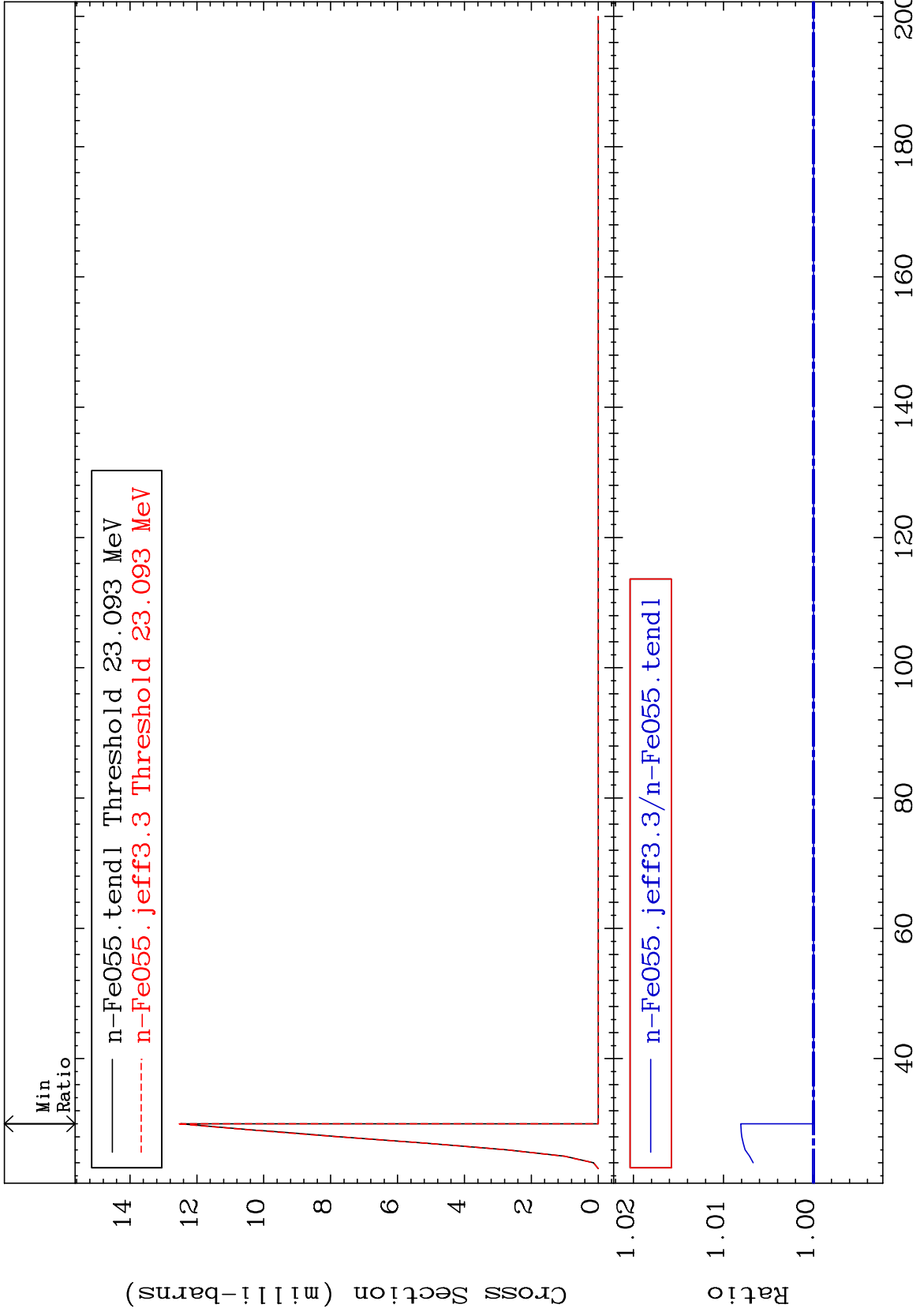


MAT 2628

(n,3n):26-Fe-53g

26-Fe-55

Radionuclide Production Cross Section 0.000 To 0.809 %

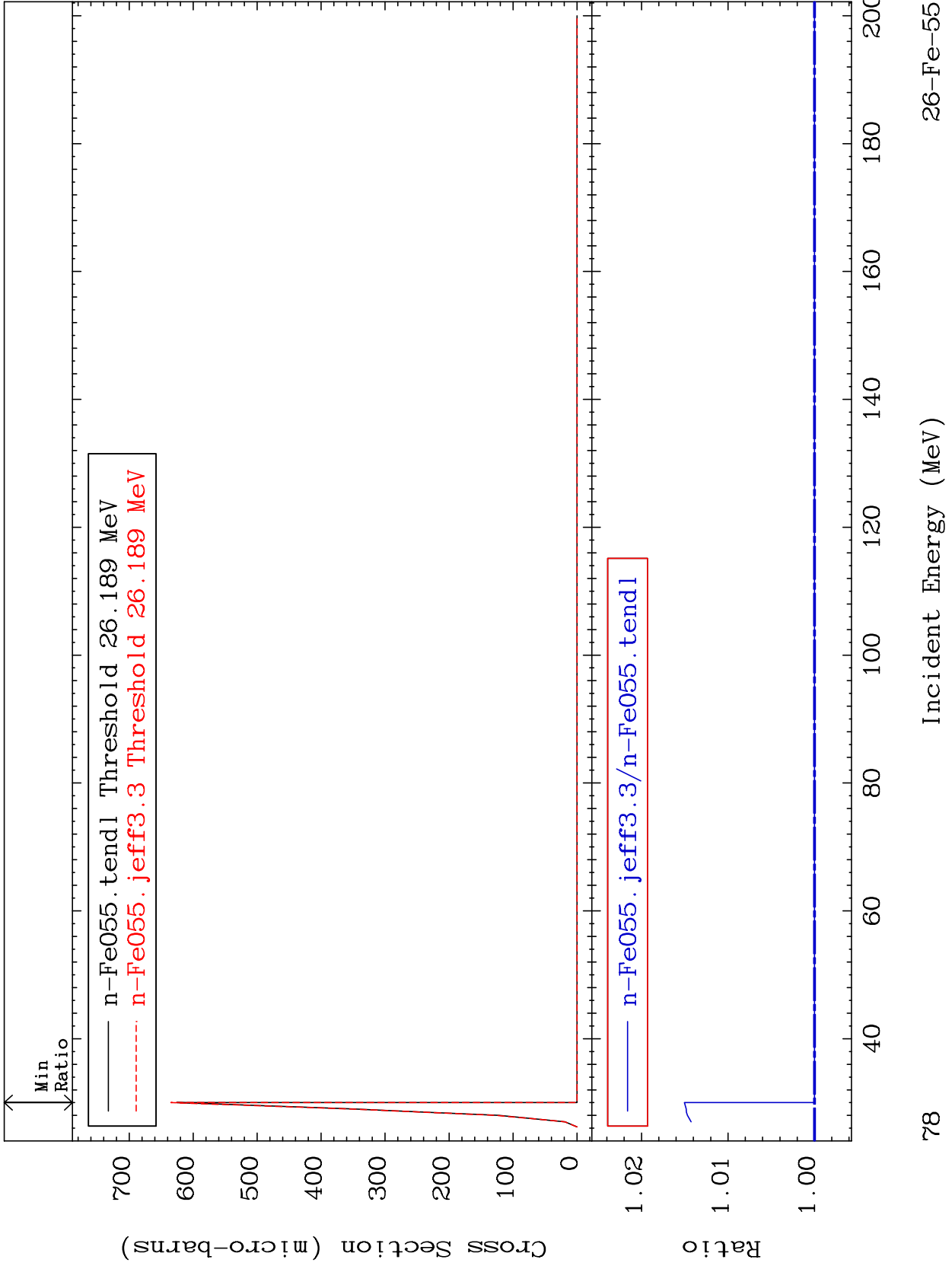


MAT 2628

(n,3n):26-Fe-53m22

26-Fe-55

Radionuclide Production Cross Section 0.000 To 1.503 %

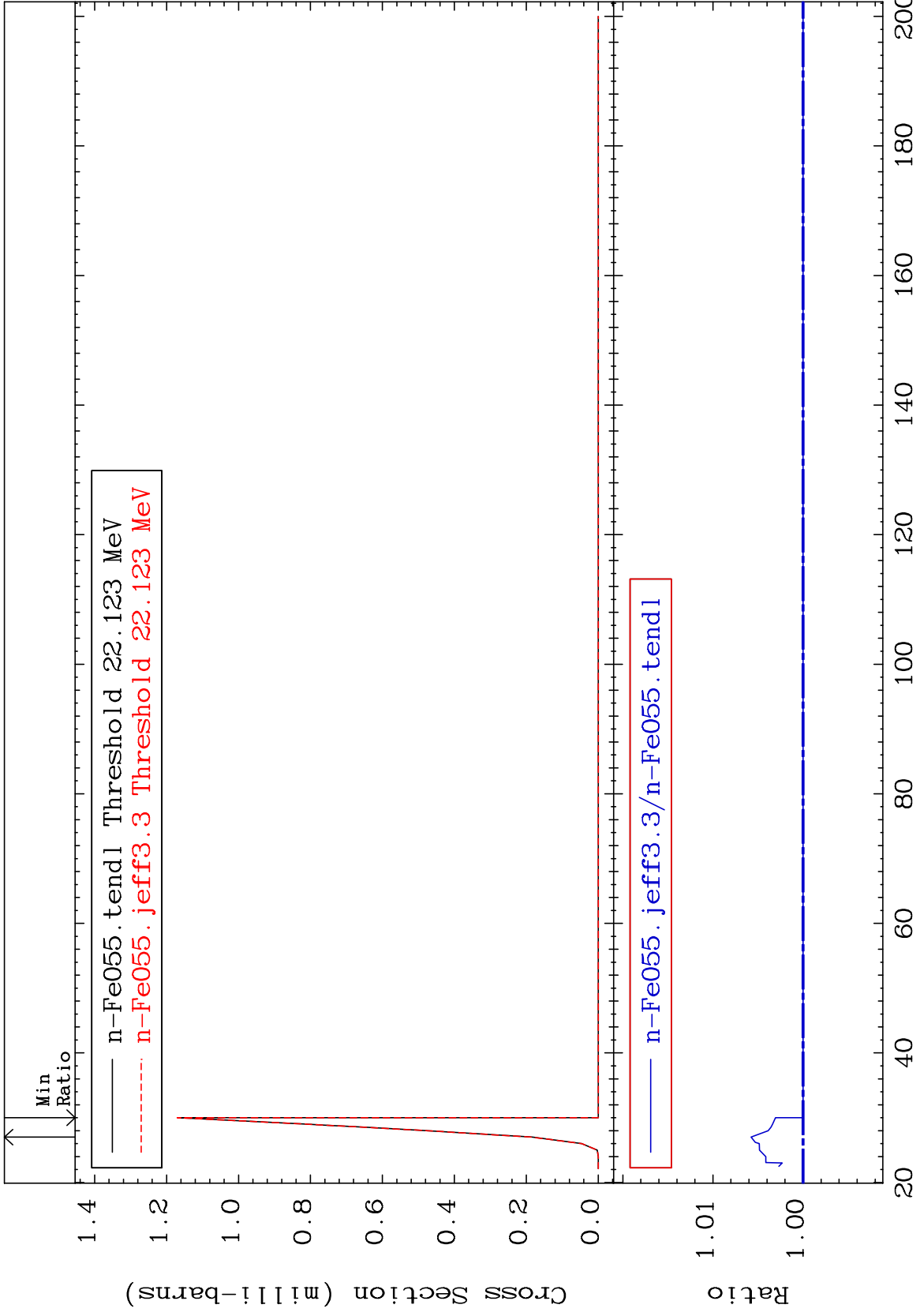


MAT 2628

(n, n') t:25-Mn-52g

26-Fe-55

Radionuclide Production Cross Section 0.000 To 0.576 %



79

Incident Energy (MeV)

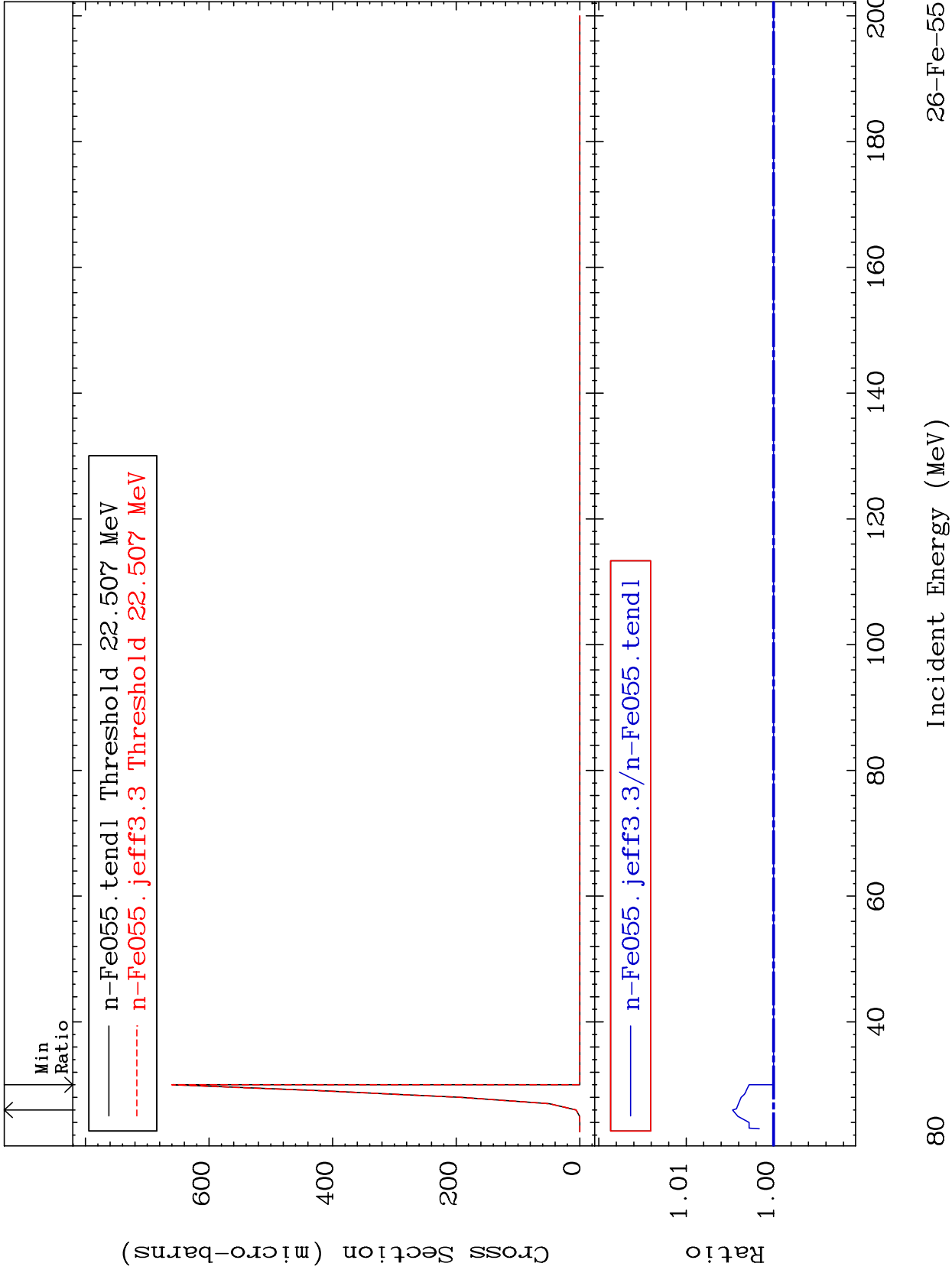
26-Fe-55

MAT 2628

(n, n') t:25-Mn-52m1

26-Fe-55

Radionuclide Production Cross Section 0.000 To 0.469 %



Radionuclide Production Cross Section -5.053 To 1034. %

