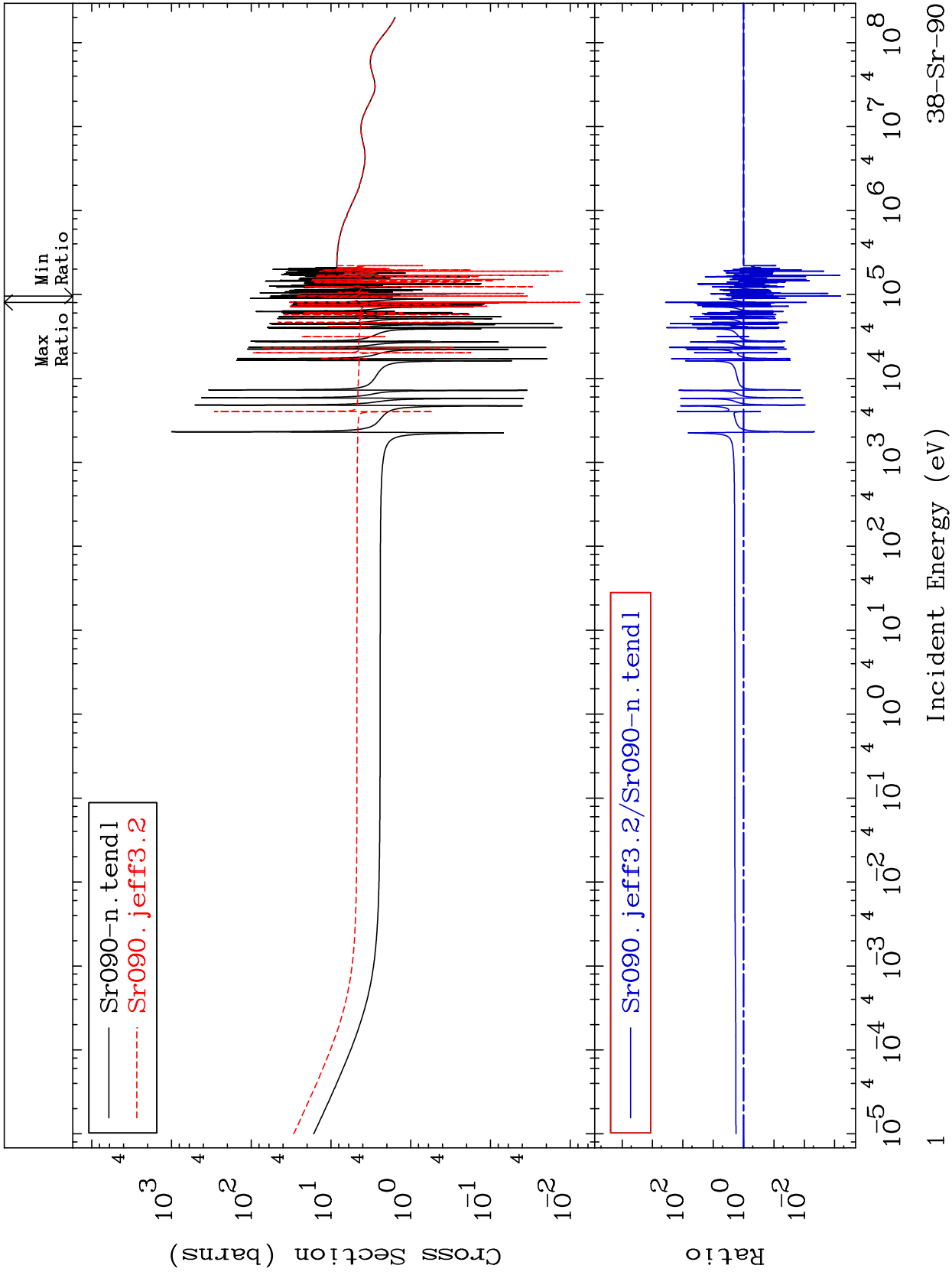


MAT 3843

Total
Cross Section

38-Sr-90
-99.94 To 9999. %

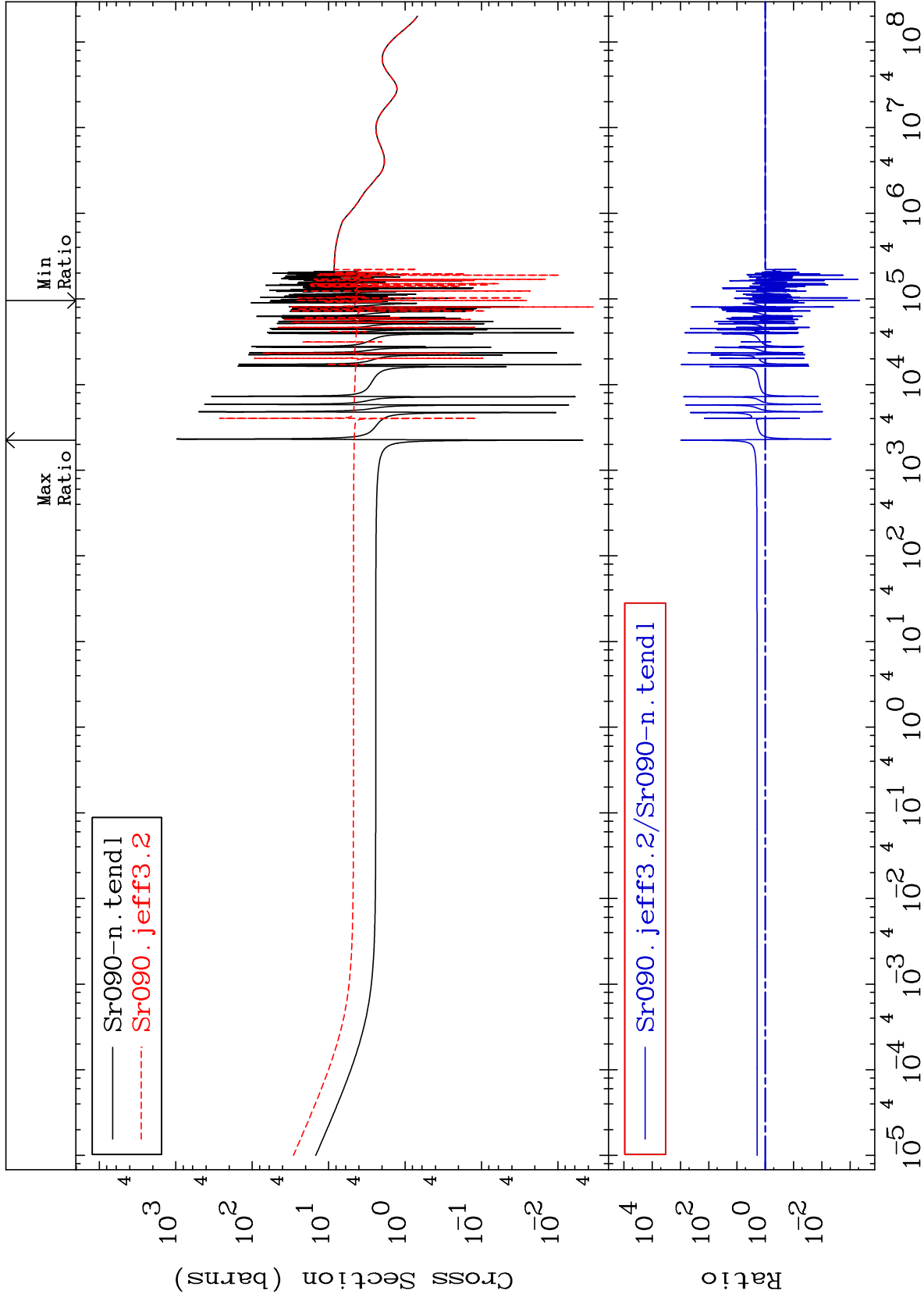


38-Sr-90

MAT 3843

Elastic
Cross Section

38-Sr-90
-99.95 To 9999. %



Incident Energy (eV)

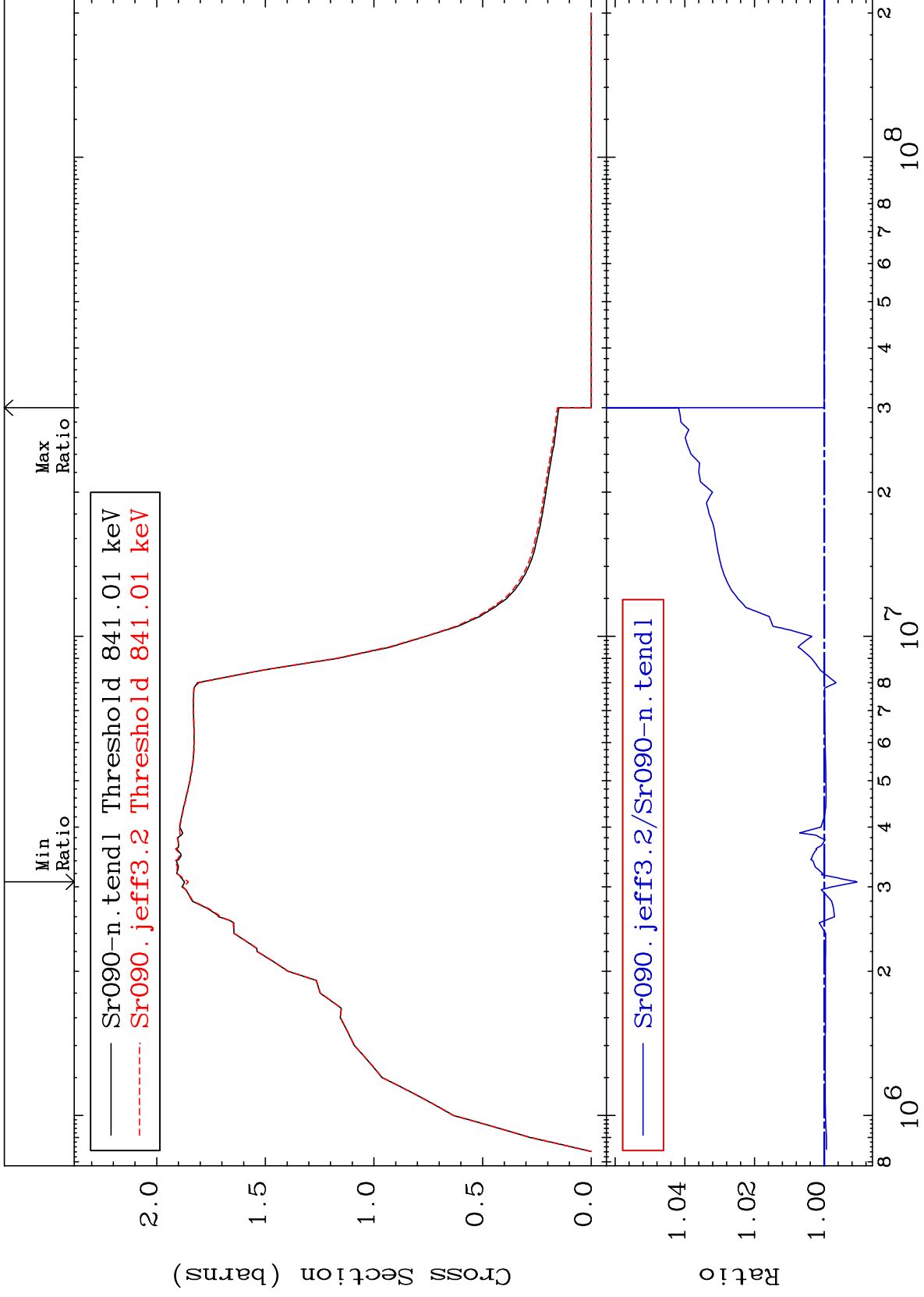
38-Sr-90

2

MAT 3843

Inelastic
Cross Section

38-Sr-90
-0.947 To 4.180 %

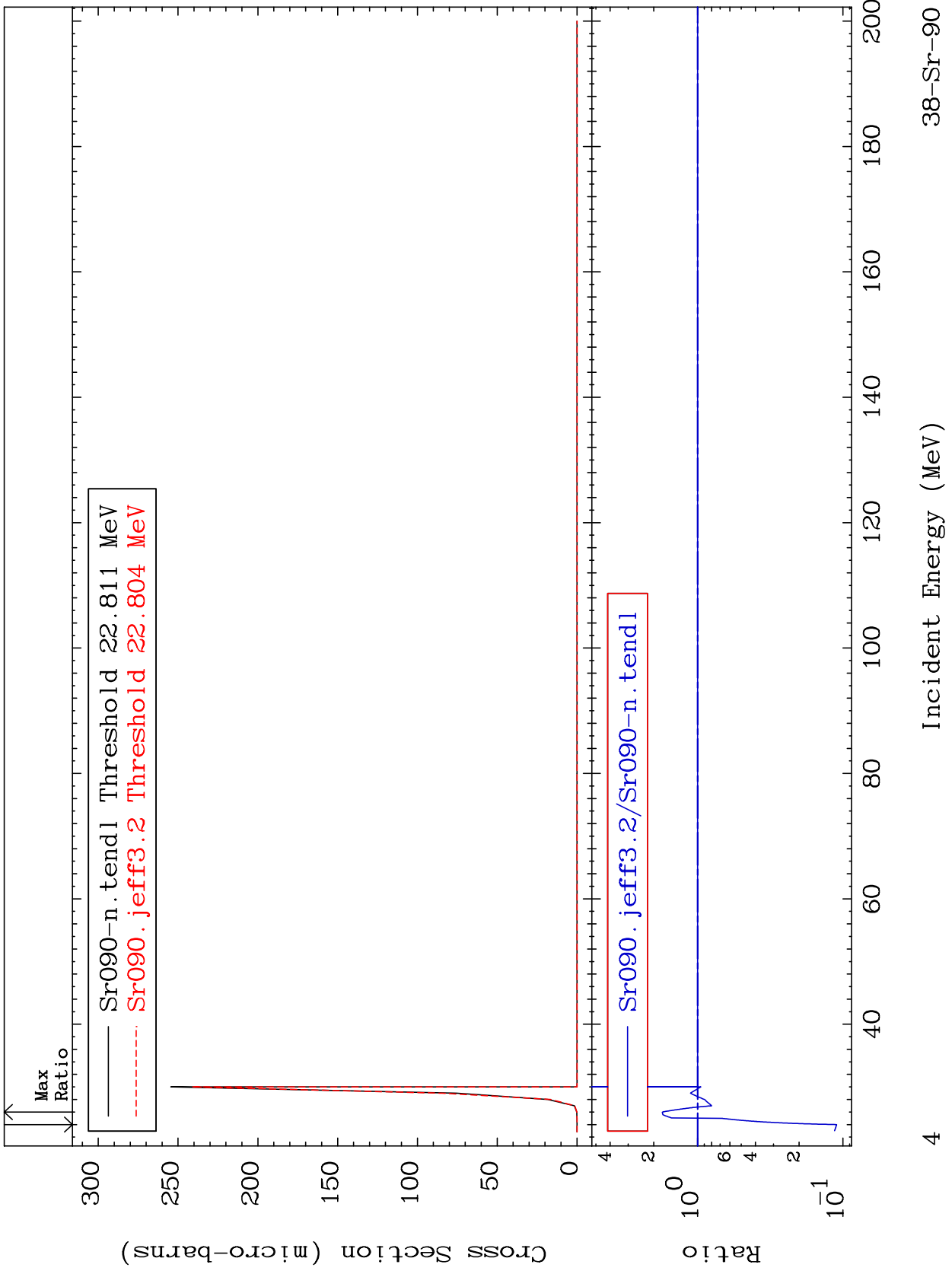


3

MAT 3843

(n,2n) d
Cross Section

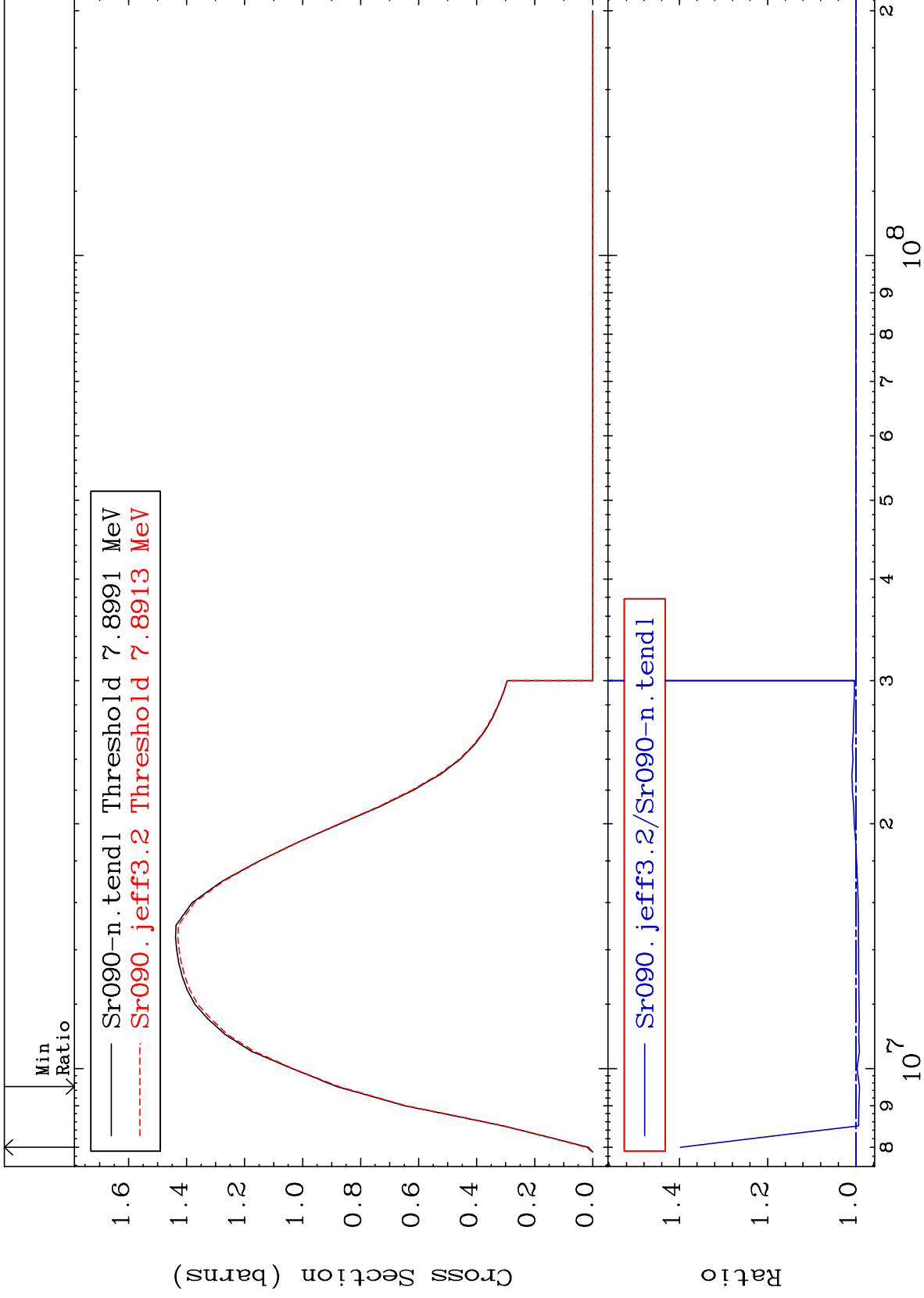
38-Sr-90
-88.96 To 74.80 %



MAT 3843

(n,2n)
Cross Section

38-Sr-90
-0.795 To 39.78 %



5

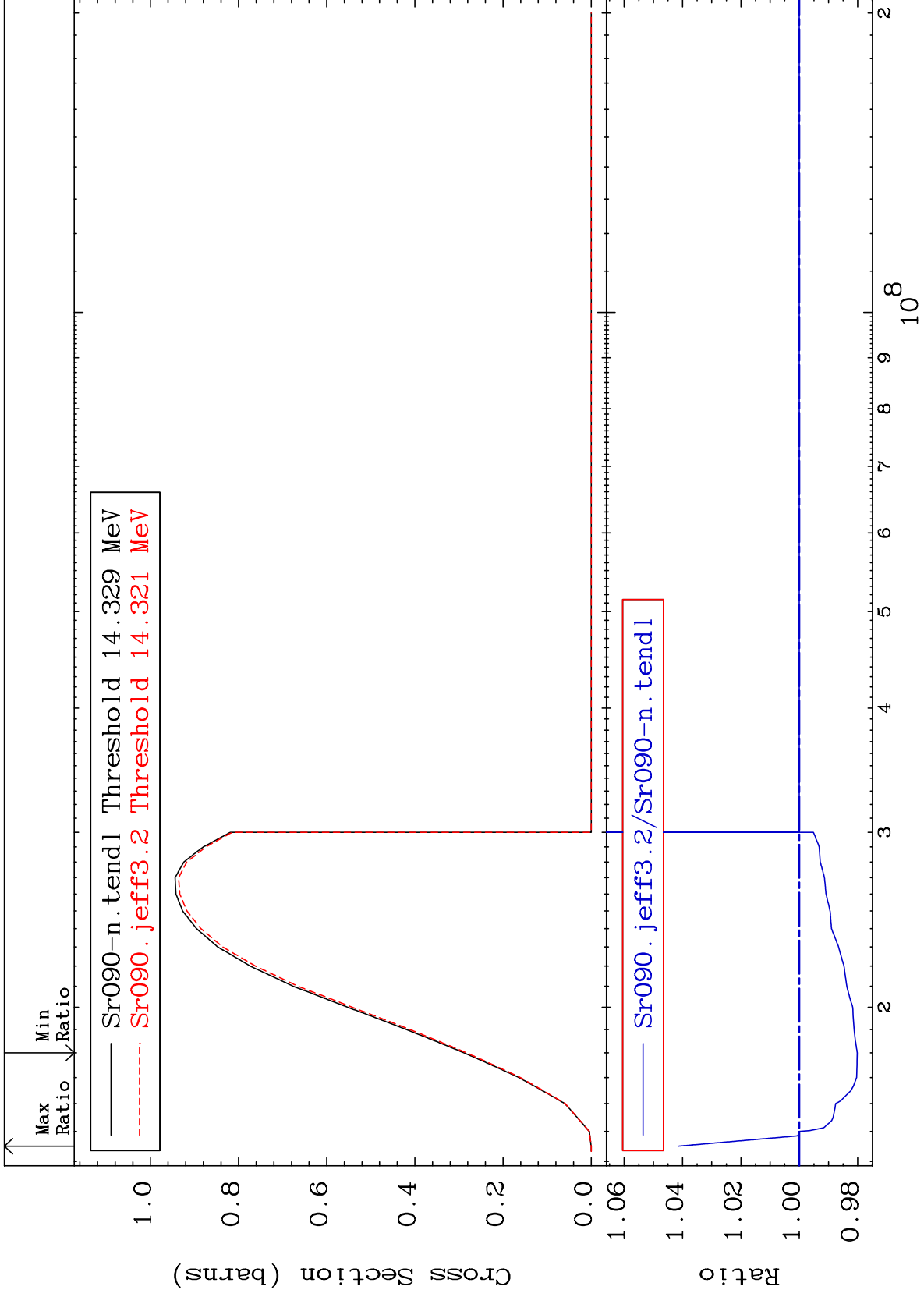
Incident Energy (eV)

38-Sr-90

MAT 3843

(n,3n)
Cross Section

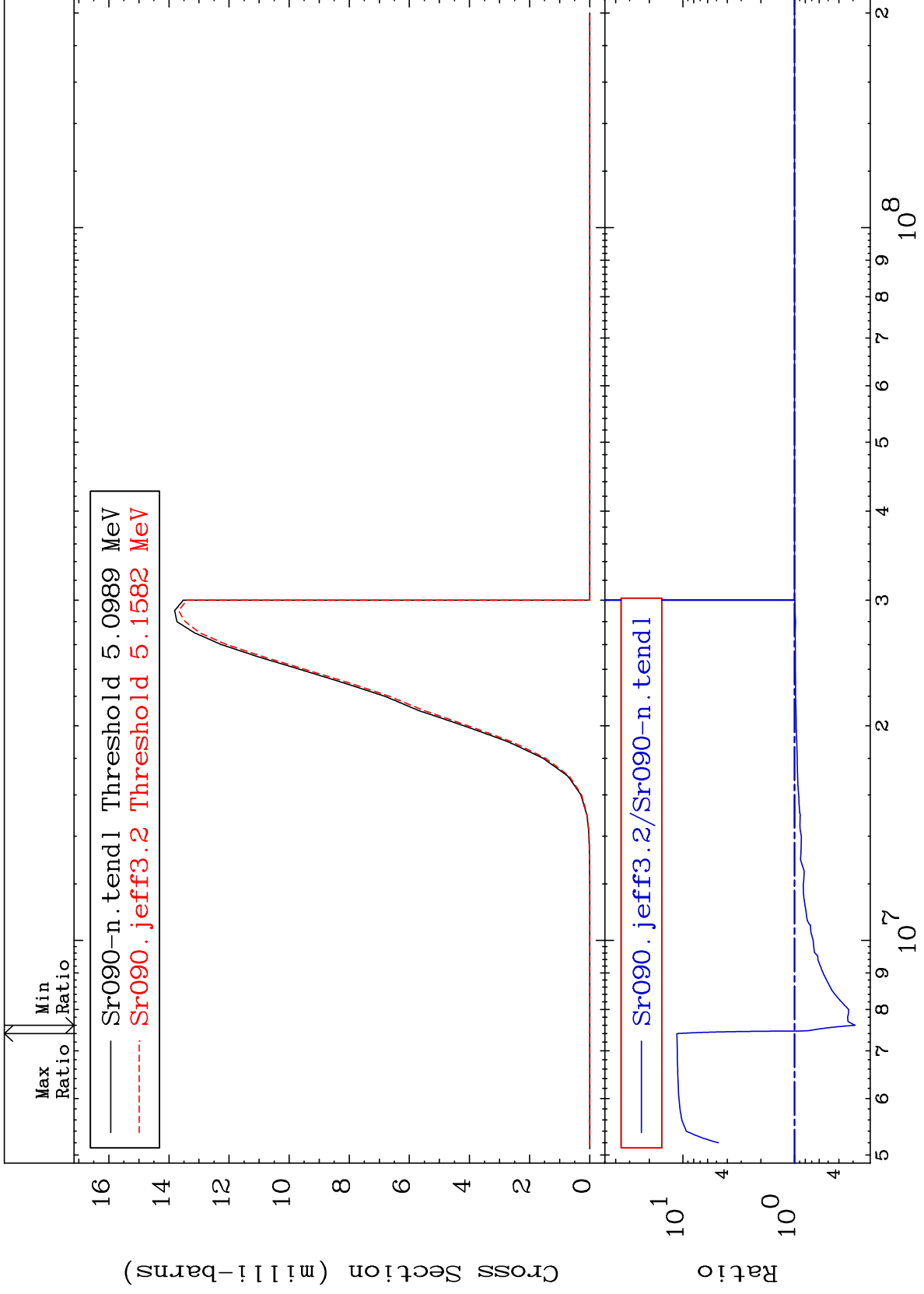
38-Sr-90
-1.985 To 4.135 %



MAT 3843

(n, n') α
Cross Section

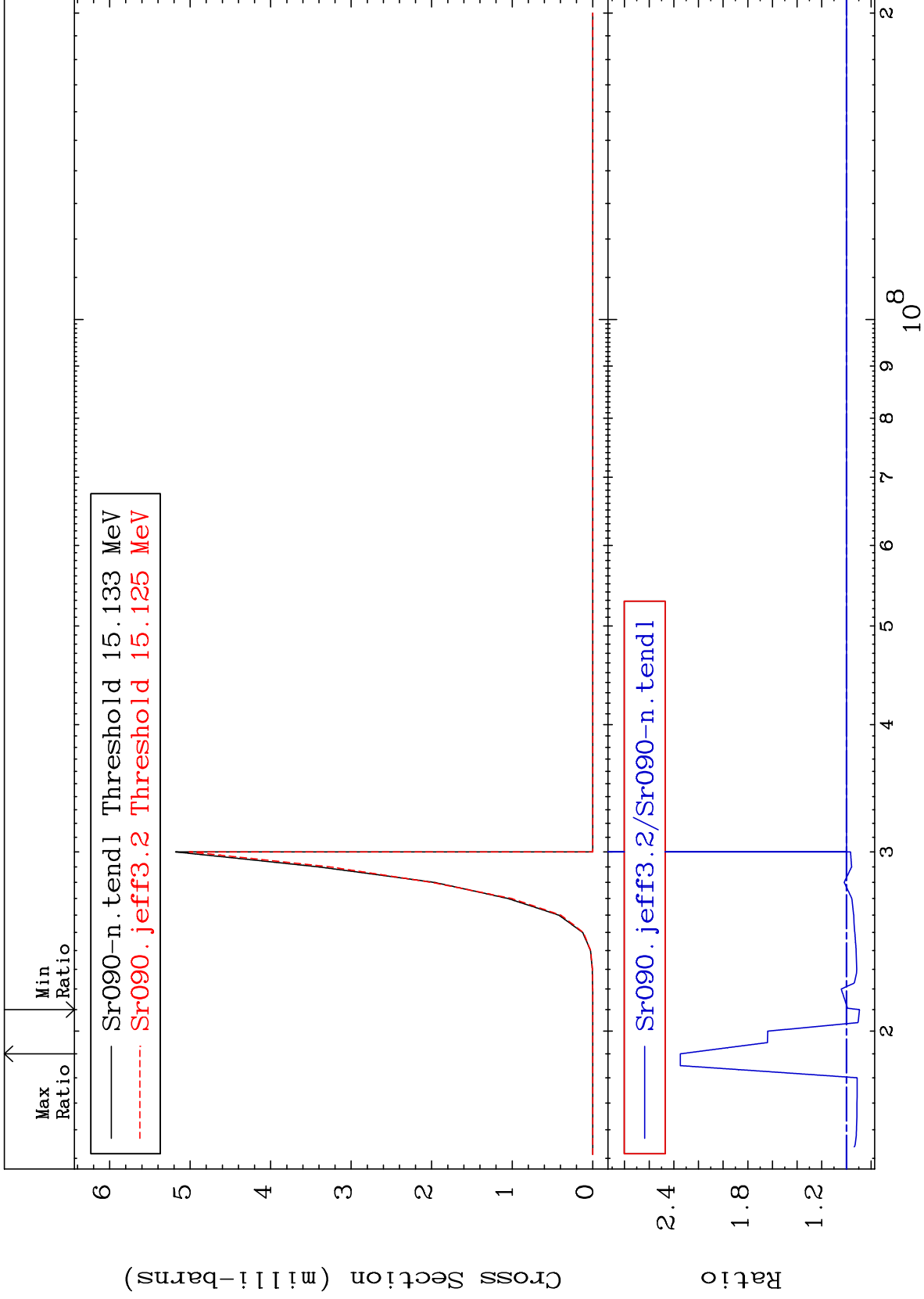
38-Sr-90
-71.32 To 1030. %



MAT 3843

(n,2n) α
Cross Section

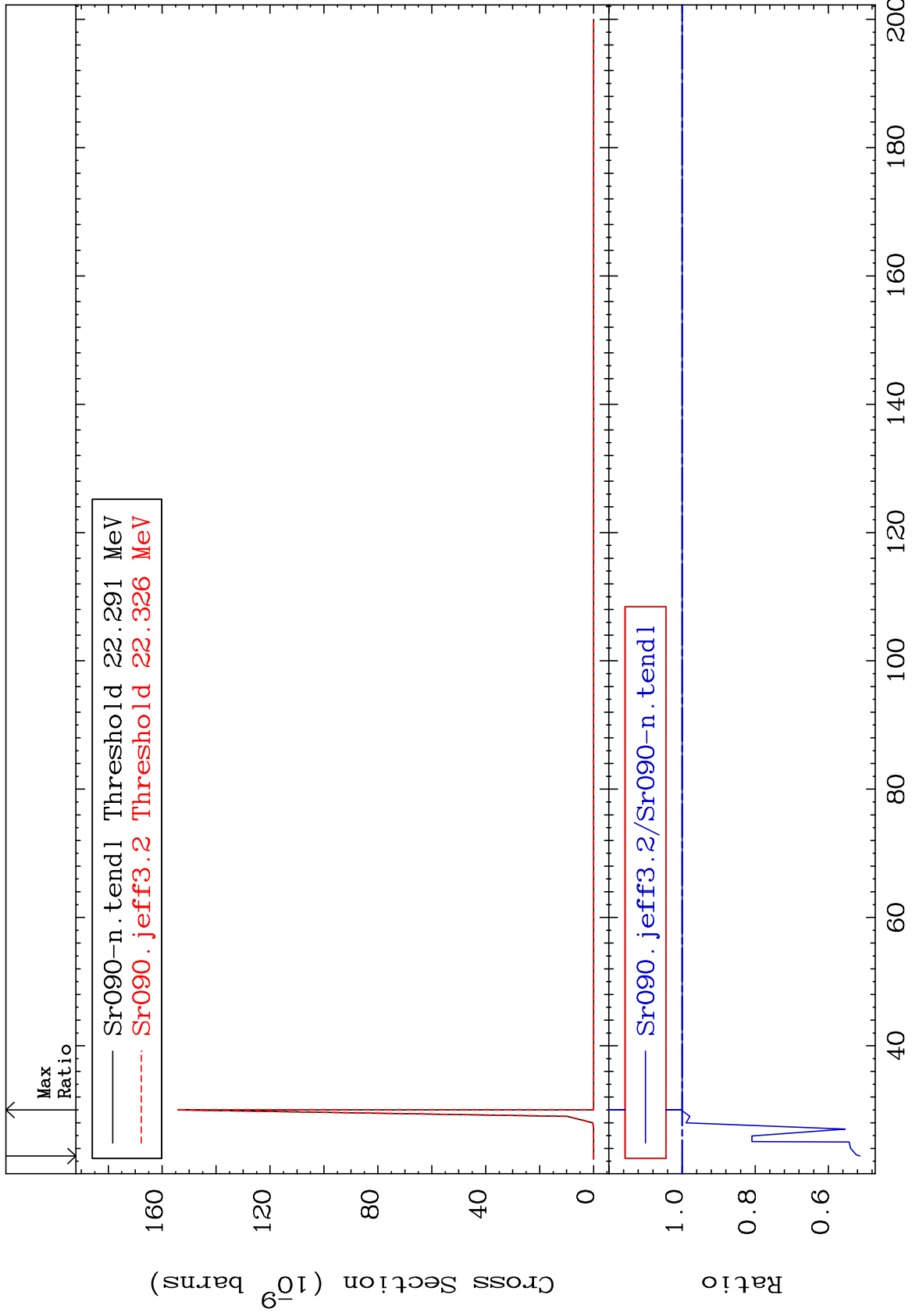
³⁸Sr-⁹⁰
-10.57 To 134.7 %



MAT 3843

(n,3n) α
Cross Section

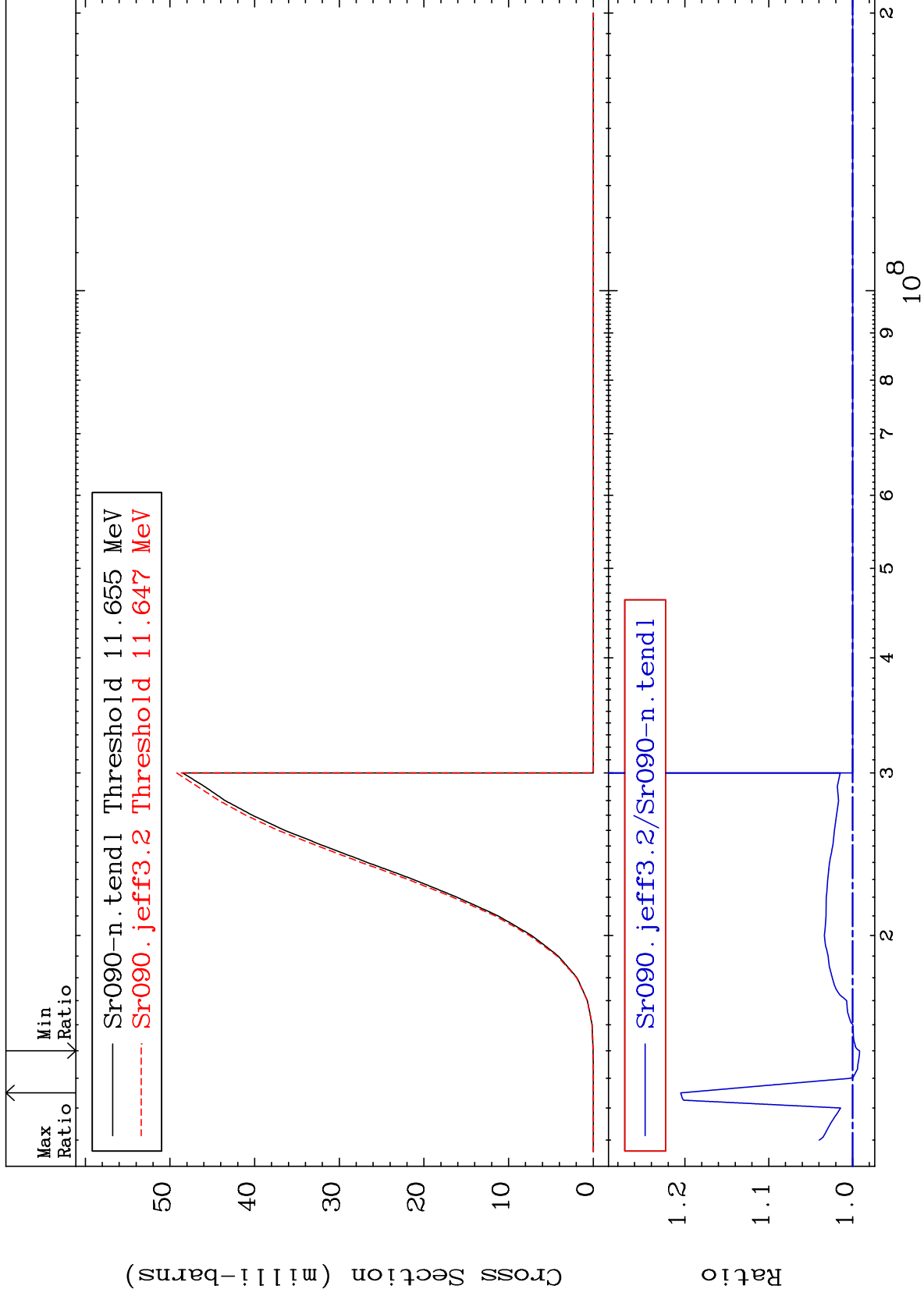
³⁸Sr-90
-48.68 To 0.270 %



MAT 3843

(n,n') p
Cross Section

38-Sr-90
-0.831 To 20.49 %



10

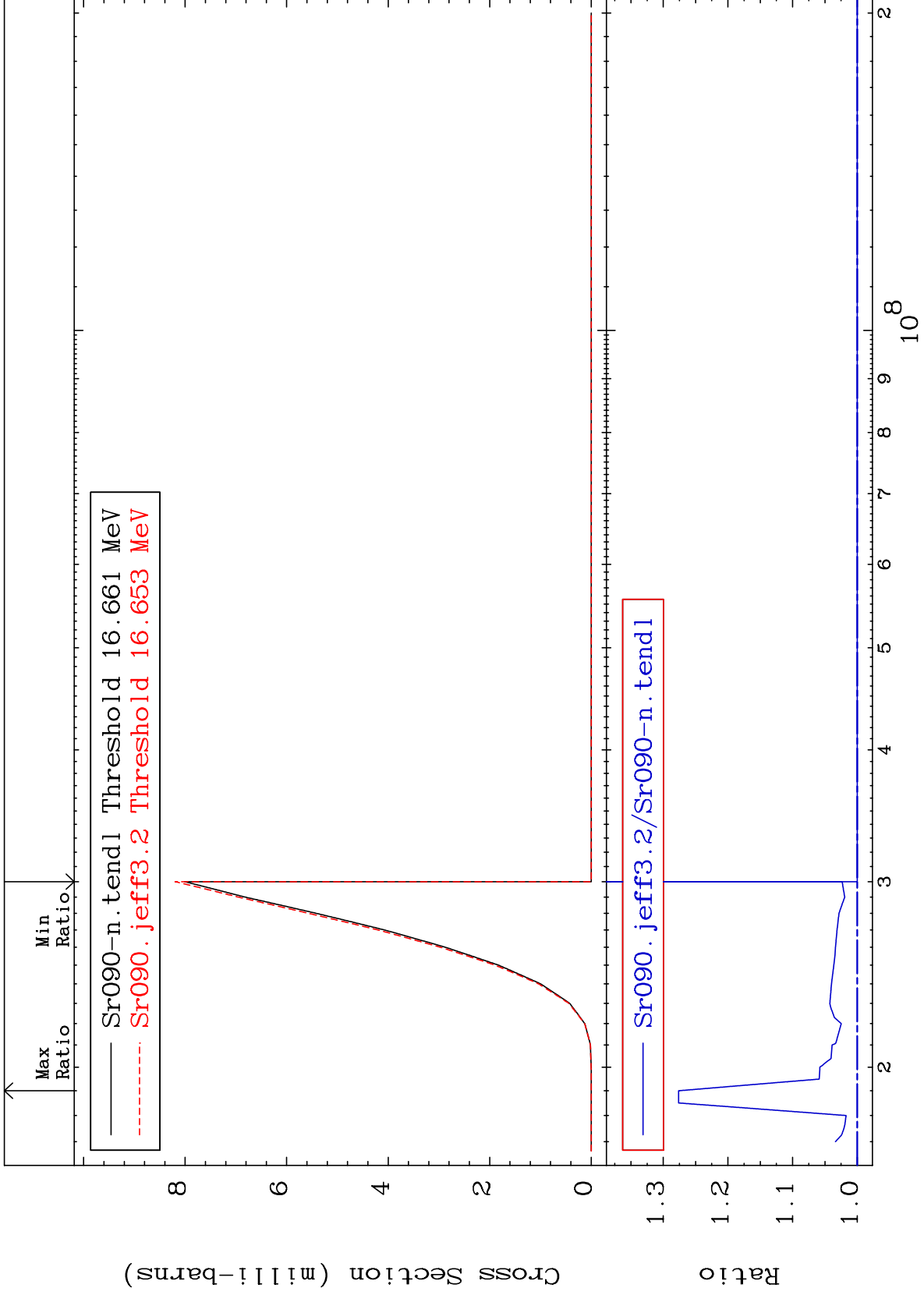
Incident Energy (eV)

38-Sr-90

MAT 3843

(n,n') d
Cross Section

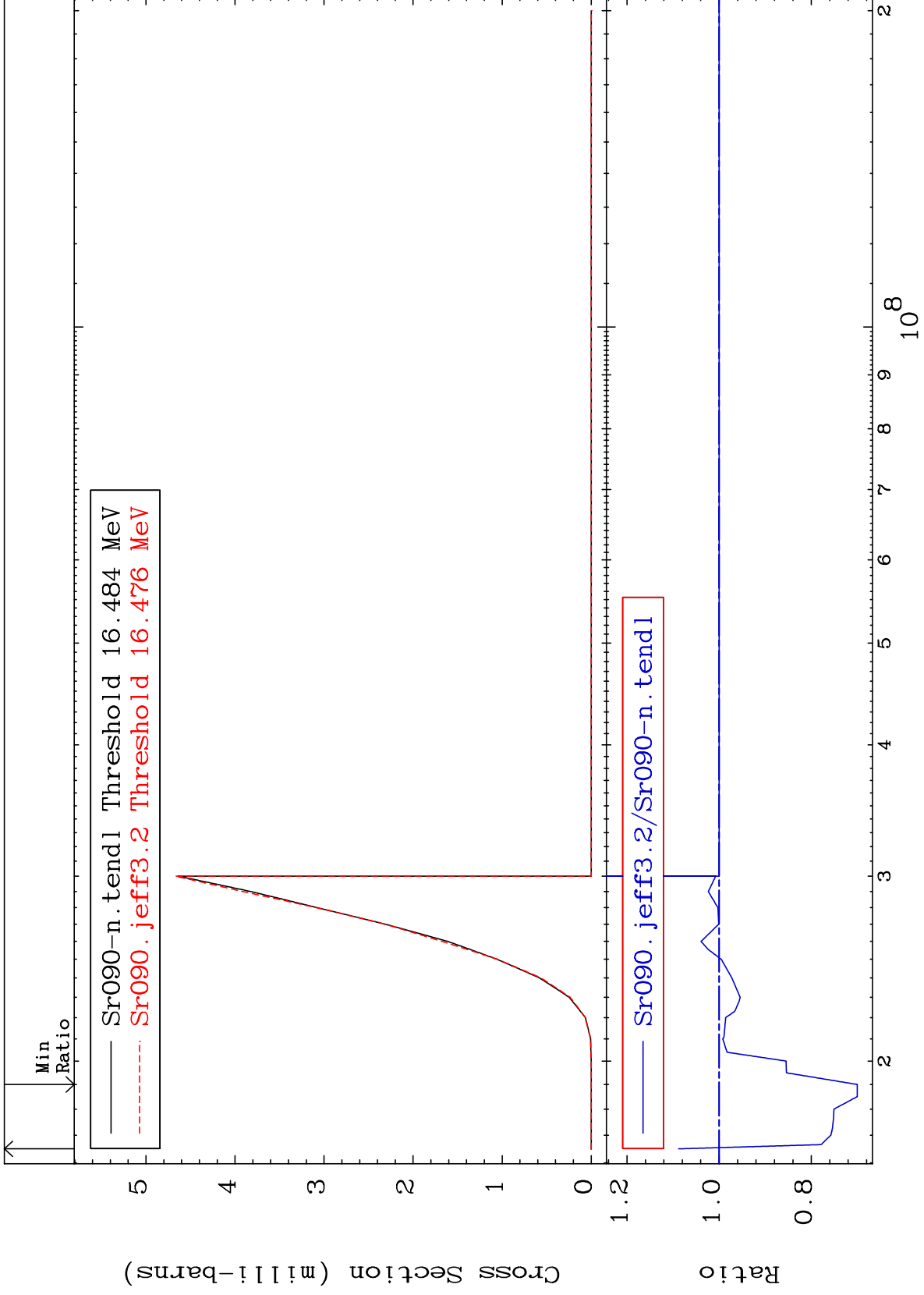
38-Sr-90
To 27.62 %
0.000



MAT 3843

(n,n') t
Cross Section

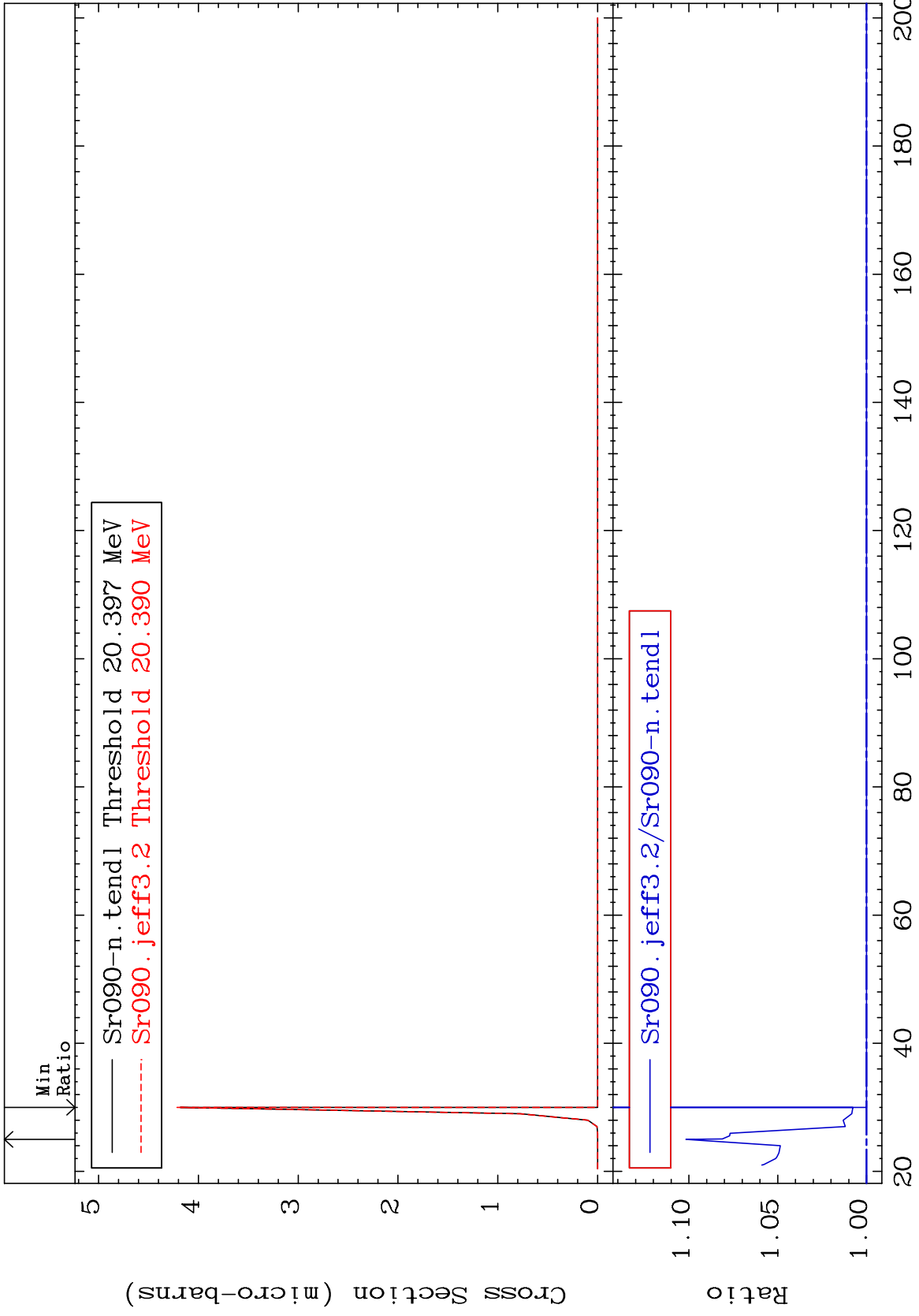
38-Sr-90
-29.96 To 8.793 %



MAT 3843

(n, n') He-3
Cross Section

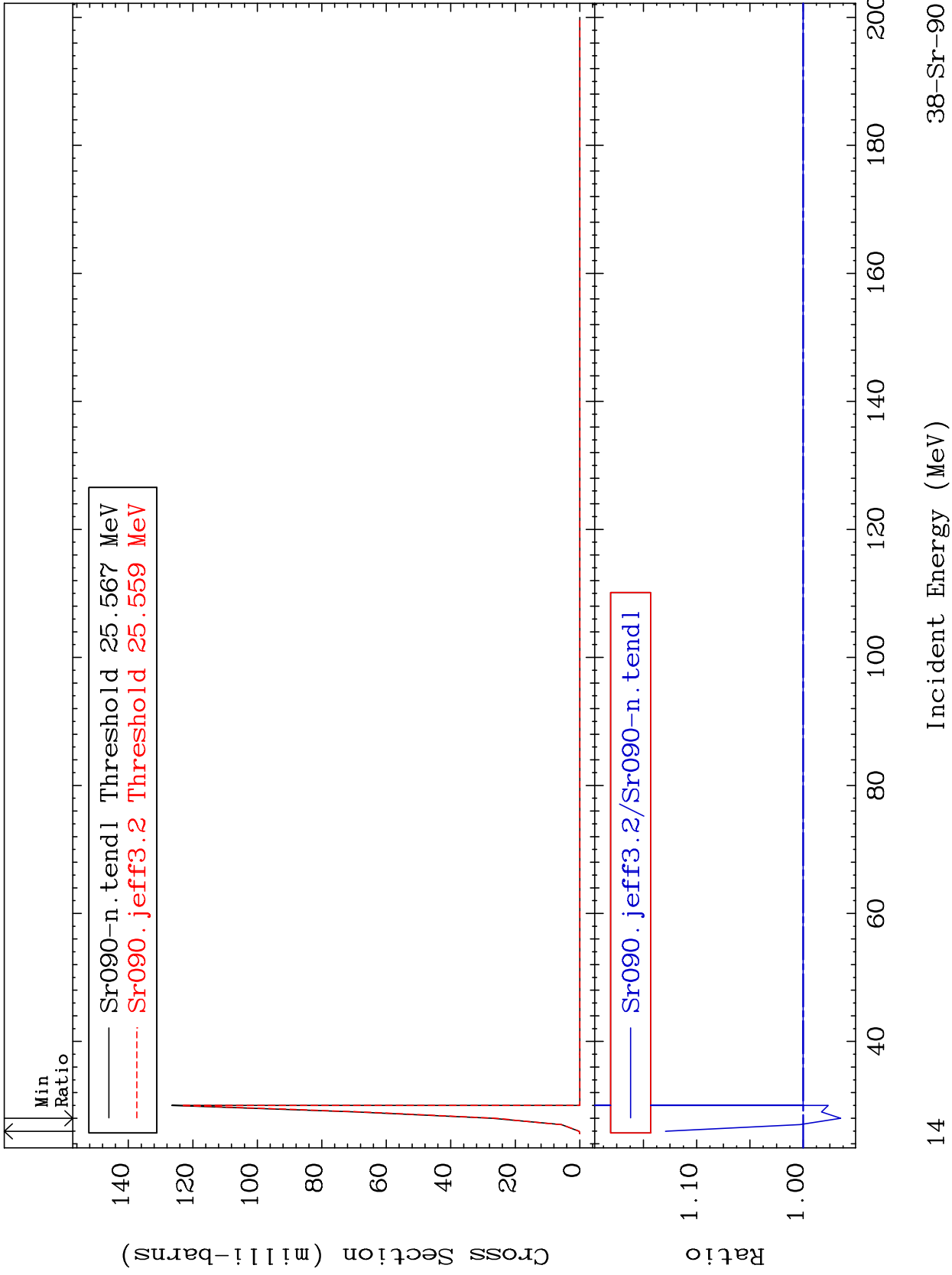
38-Sr-90
0.000 To 10.17 %



MAT 3843

(n,4n)
Cross Section

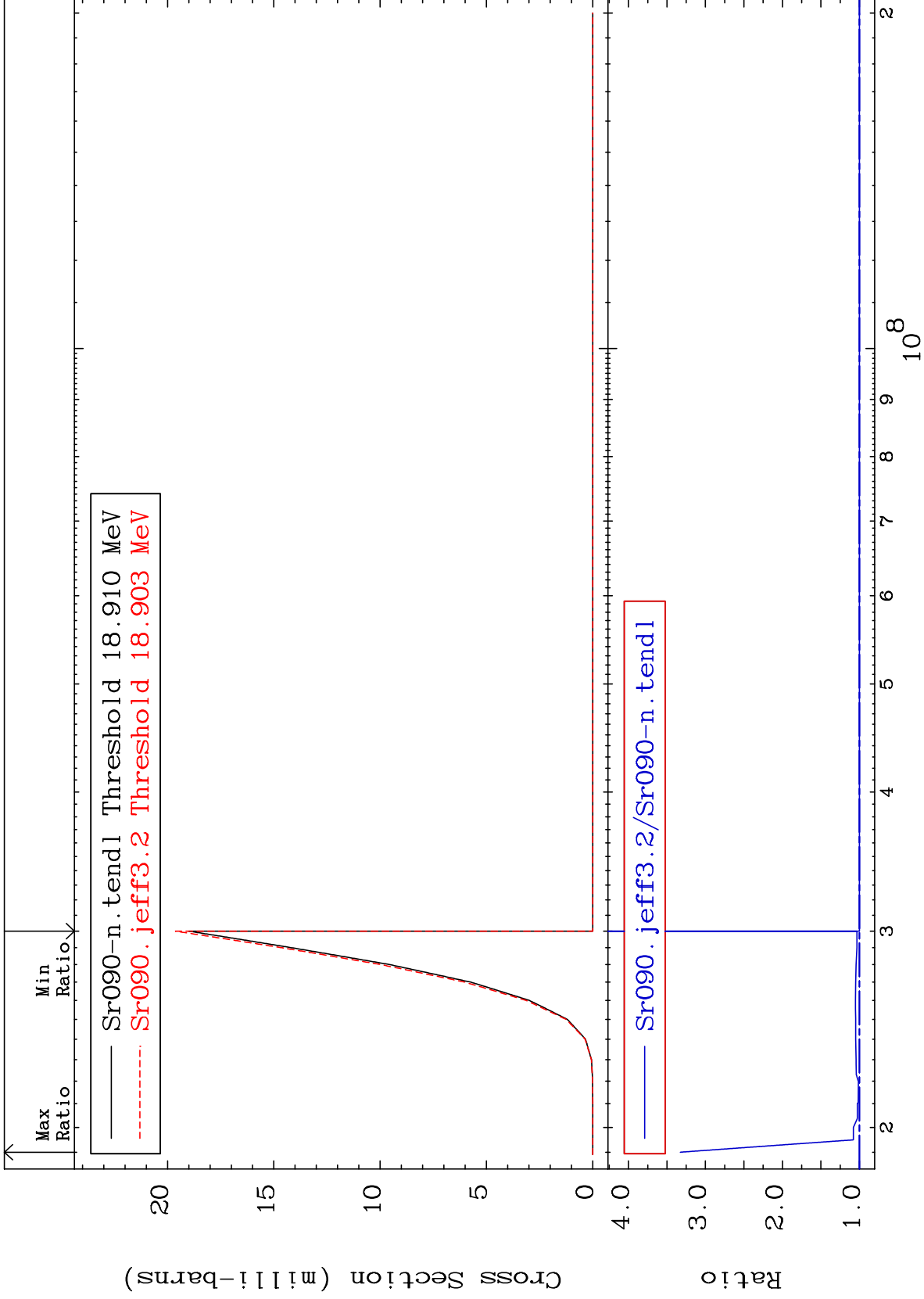
38-Sr-90
-3.522 To 12.93 %



MAT 3843

(n,2n) p
Cross Section

38-Sr-90
0.000 To 232.6 %



15

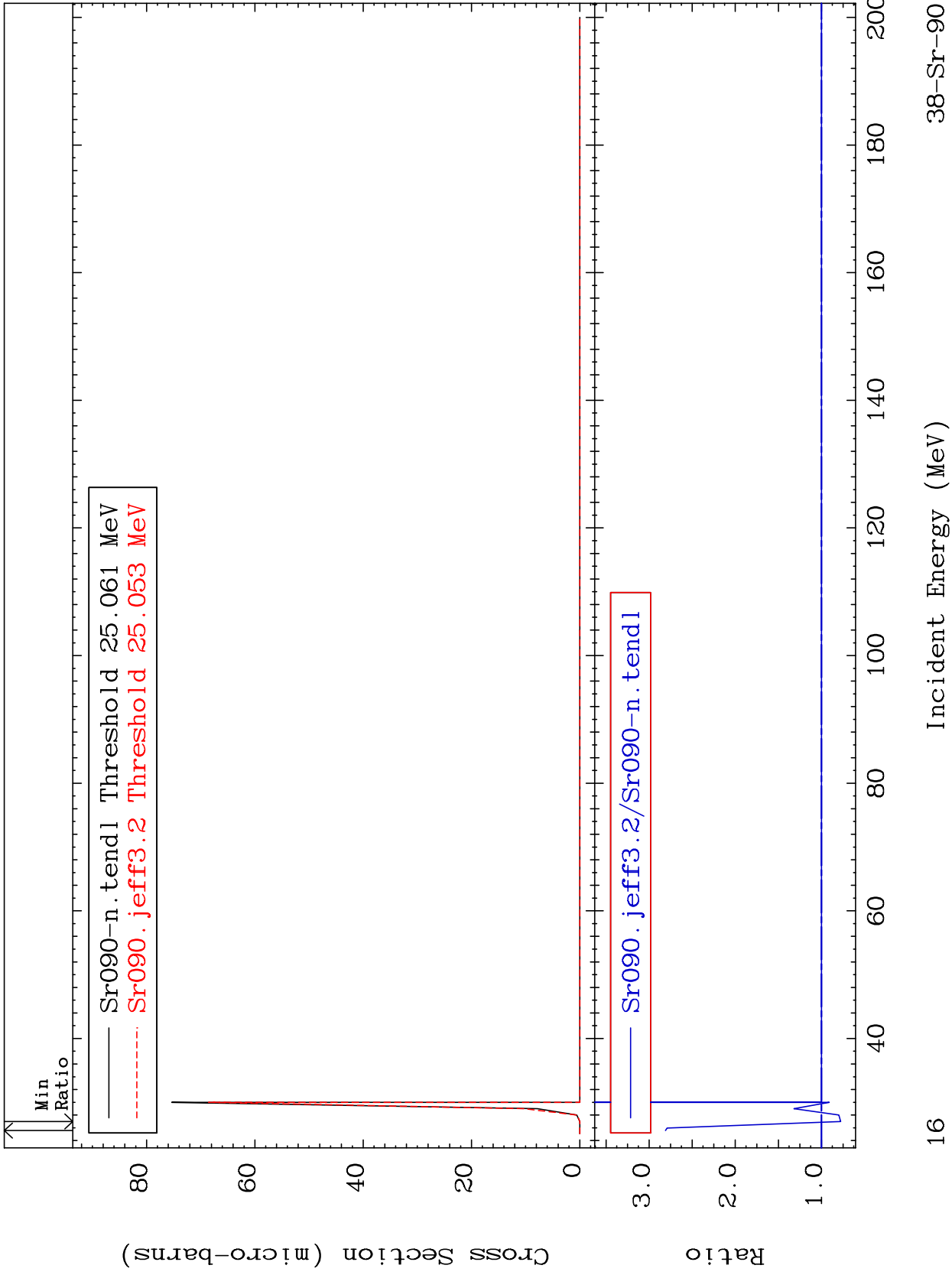
Incident Energy (eV)

38-Sr-90

MAT 3843

(n,3n) p
Cross Section

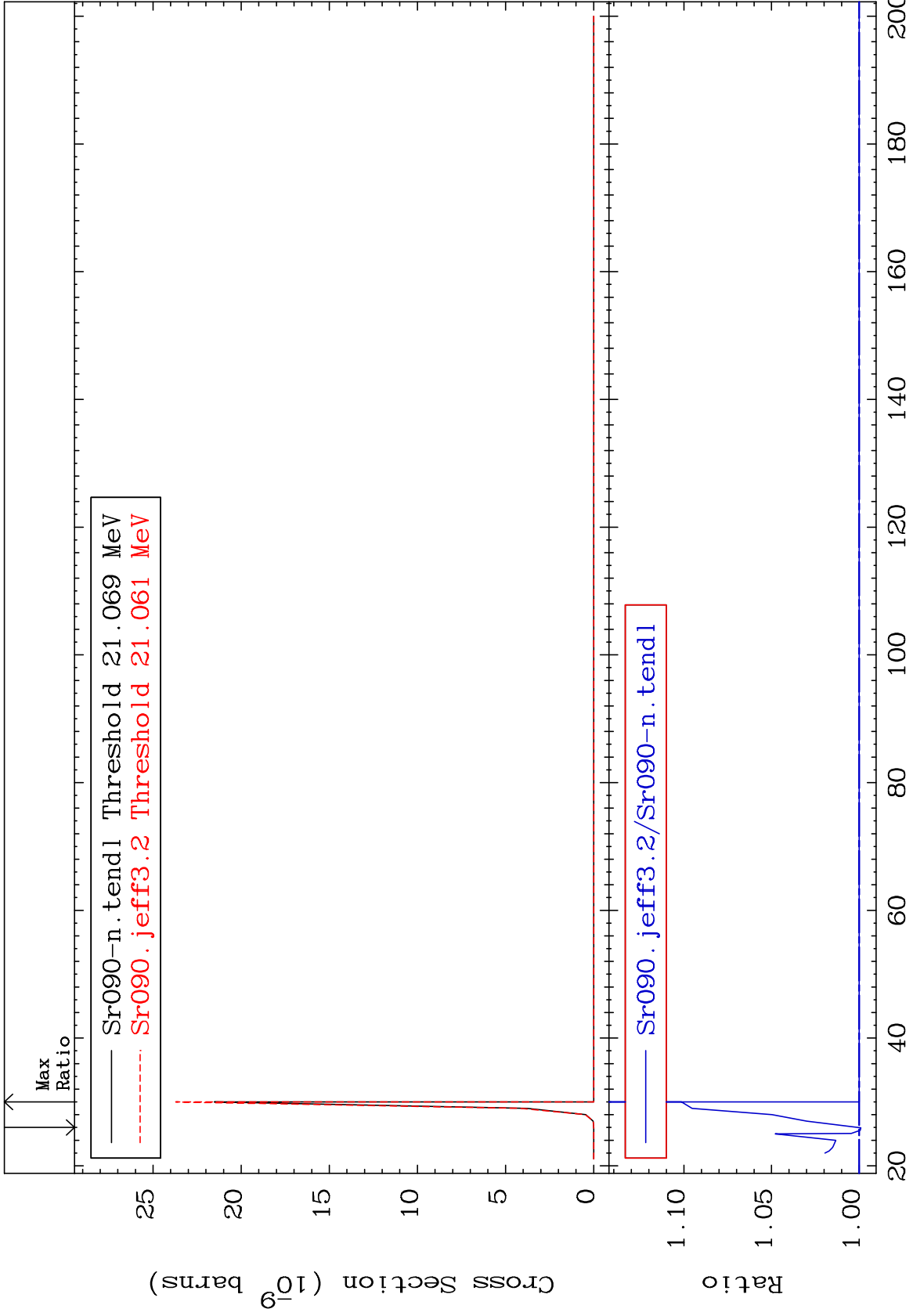
³⁸Sr-90
-22.28 To 181.0 %



MAT 3843

(n,2n) p
Cross Section

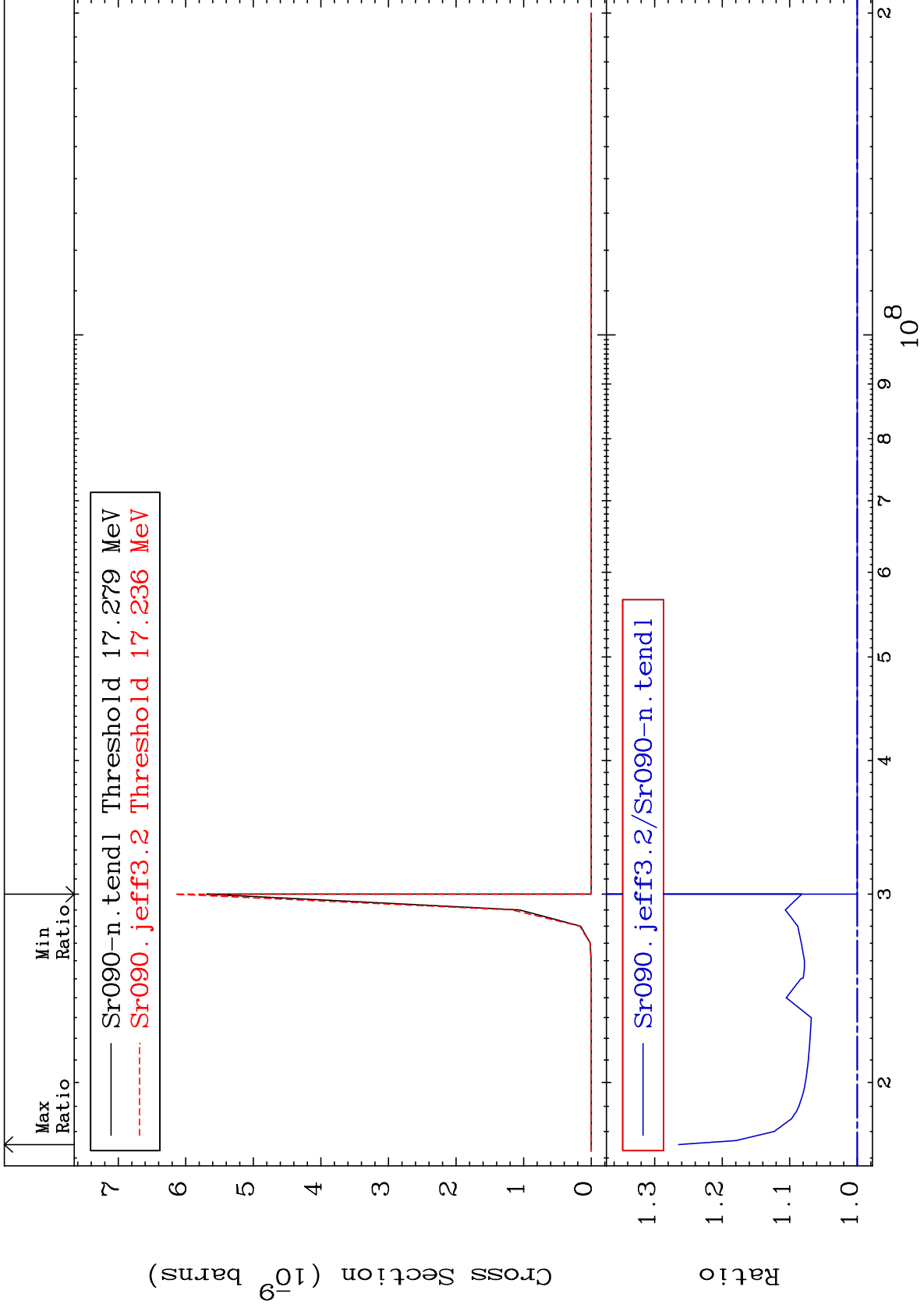
³⁸Sr-90
-0.096 To 10.14 %



MAT 3843

(n,n') p α
Cross Section

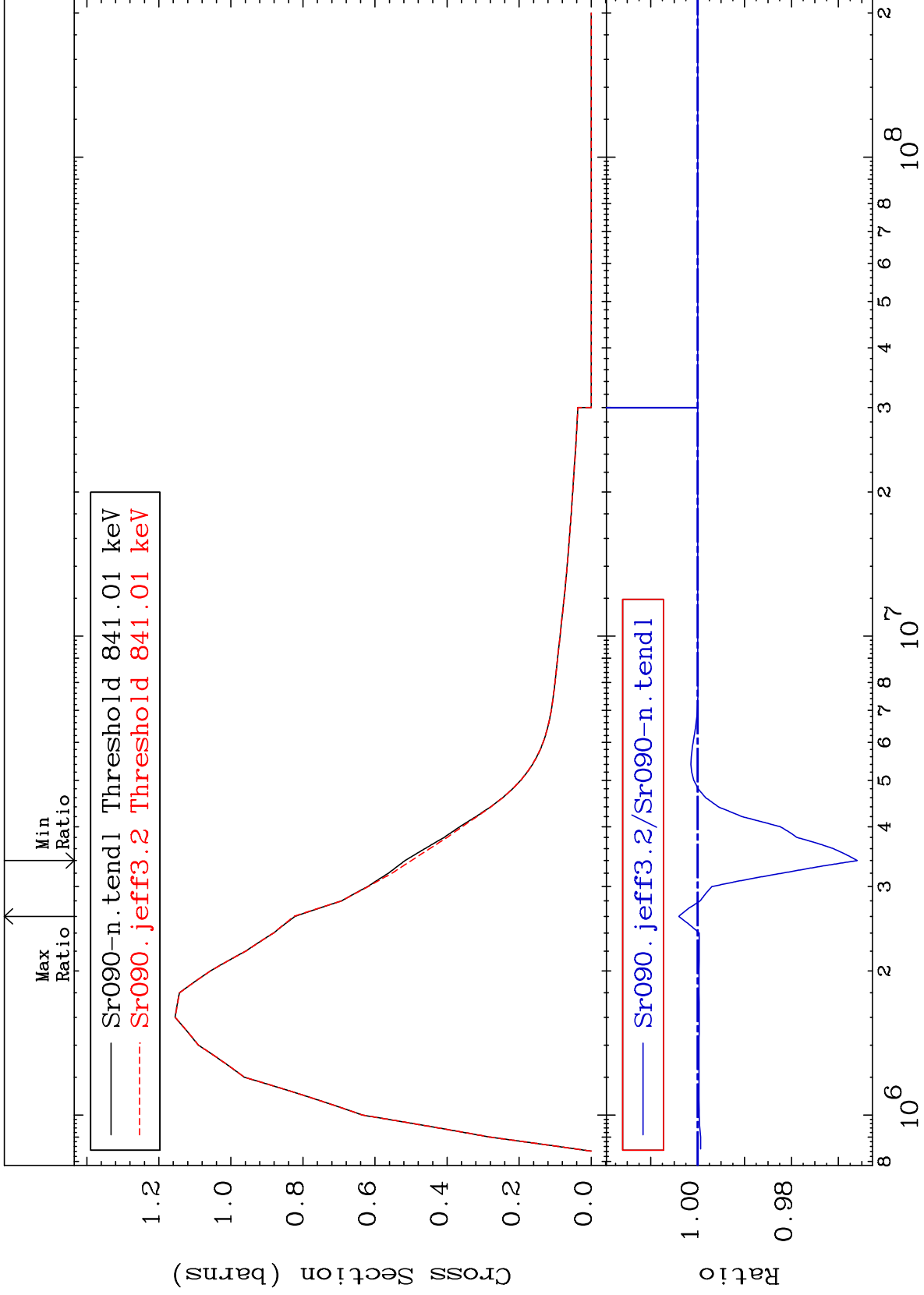
38-Sr-90
0.000 To 26.45 %



MAT 3843

831.7 keV (n,n') Level
Cross Section

38-Sr-90
-3.403 To 0.405 %



19

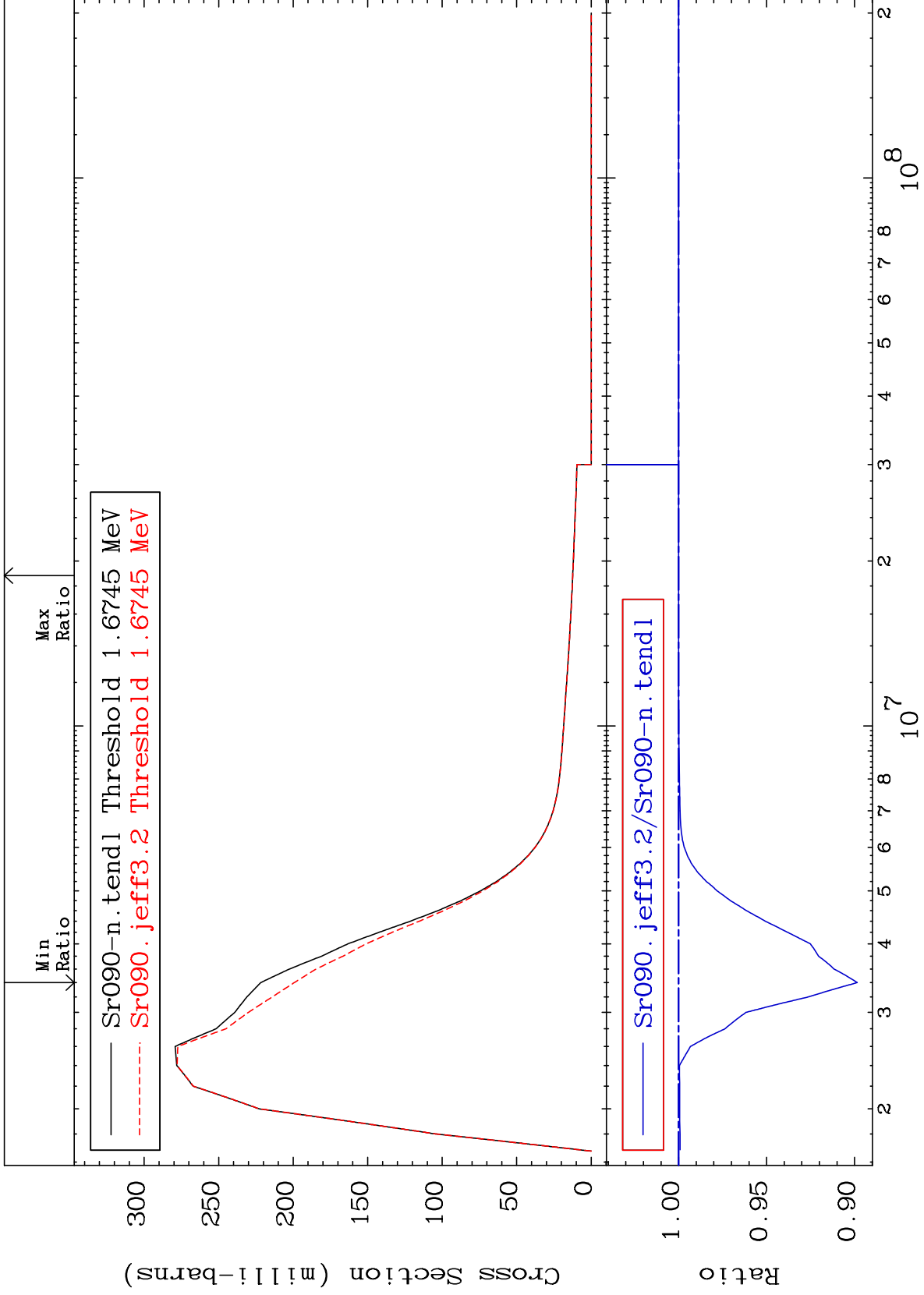
38-Sr-90

38-Sr-90

MAT 3843

1.656 MeV (n,n') Level
Cross Section

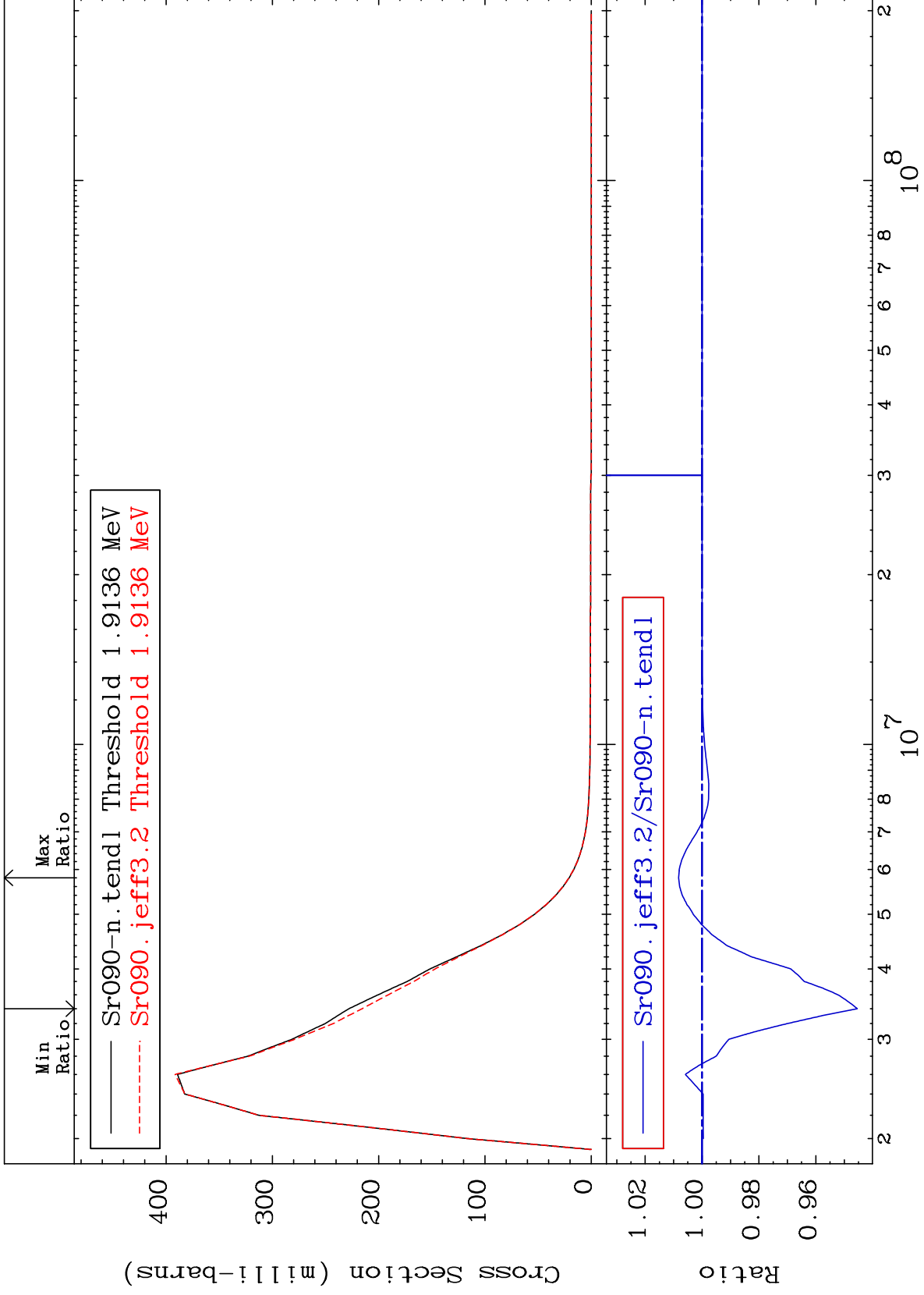
38-Sr-90
-10.15 To 0.000 %



MAT 3843

1.892 MeV (n,n') Level
Cross Section

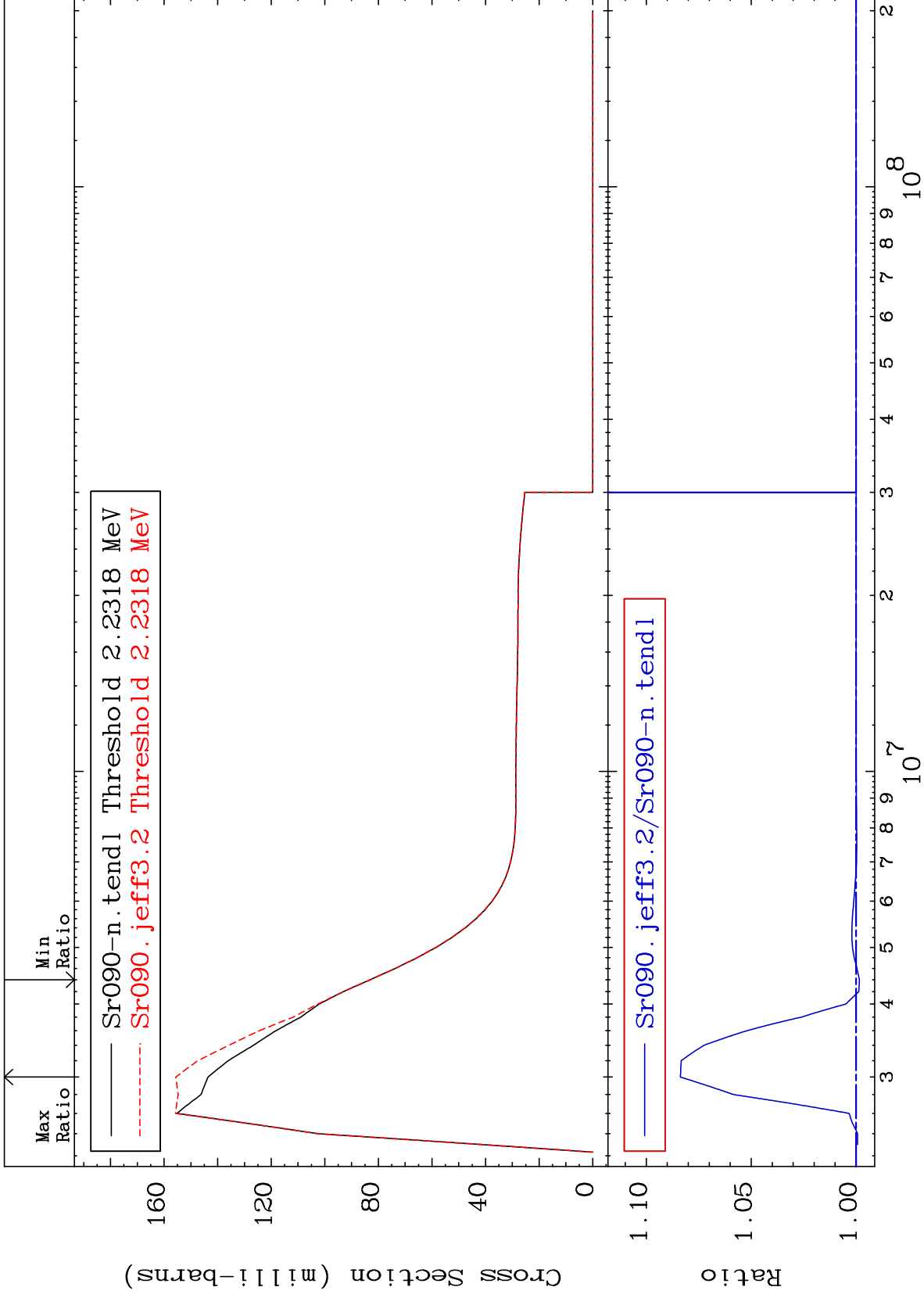
38-Sr-90
-5.457 To 0.823 %



MAT 3843

2.207 MeV (n,n') Level
Cross Section

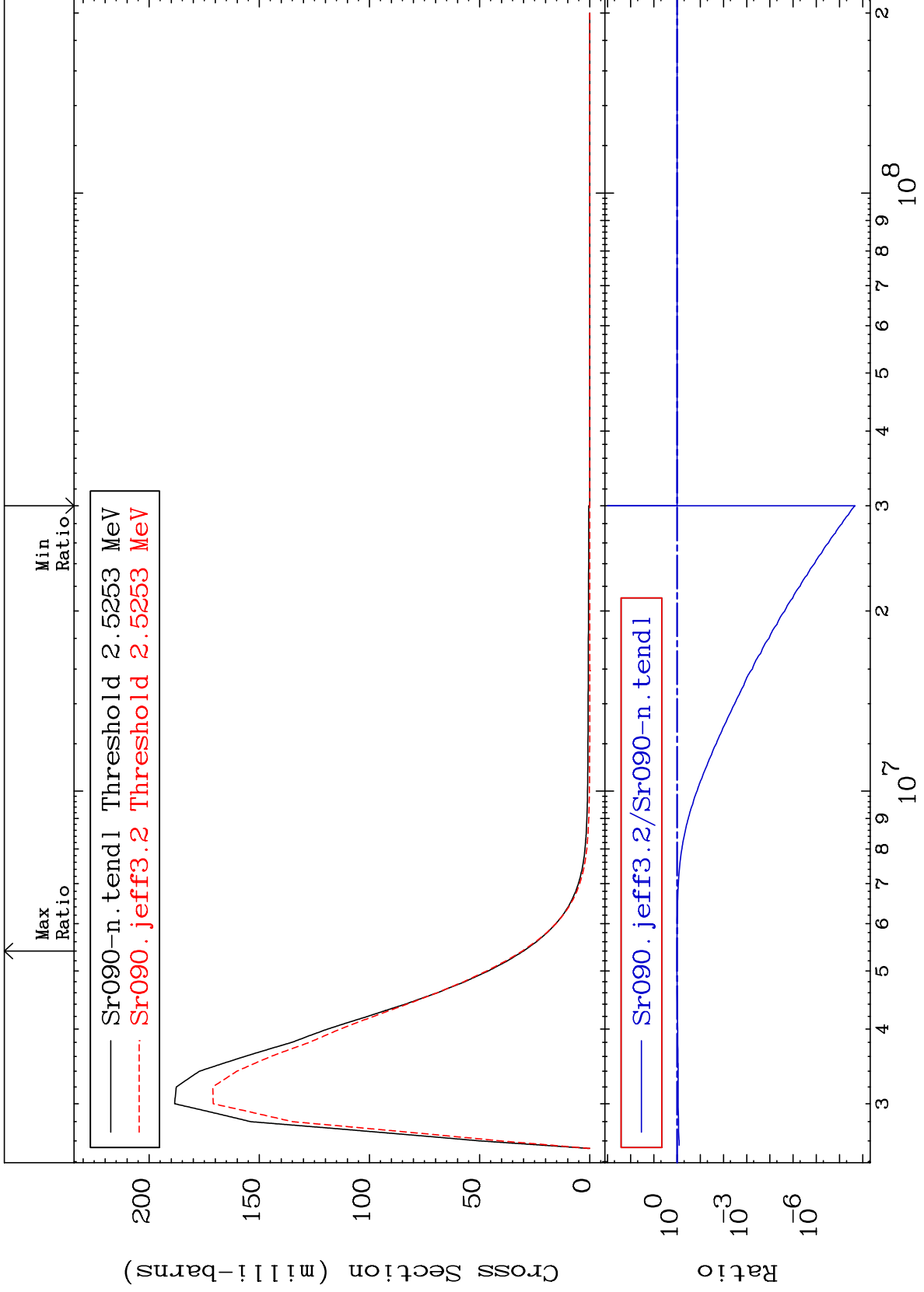
38-Sr-90
-0.160 To 8.376 %



MAT 3843

2.497 MeV (n, n') Level
Cross Section

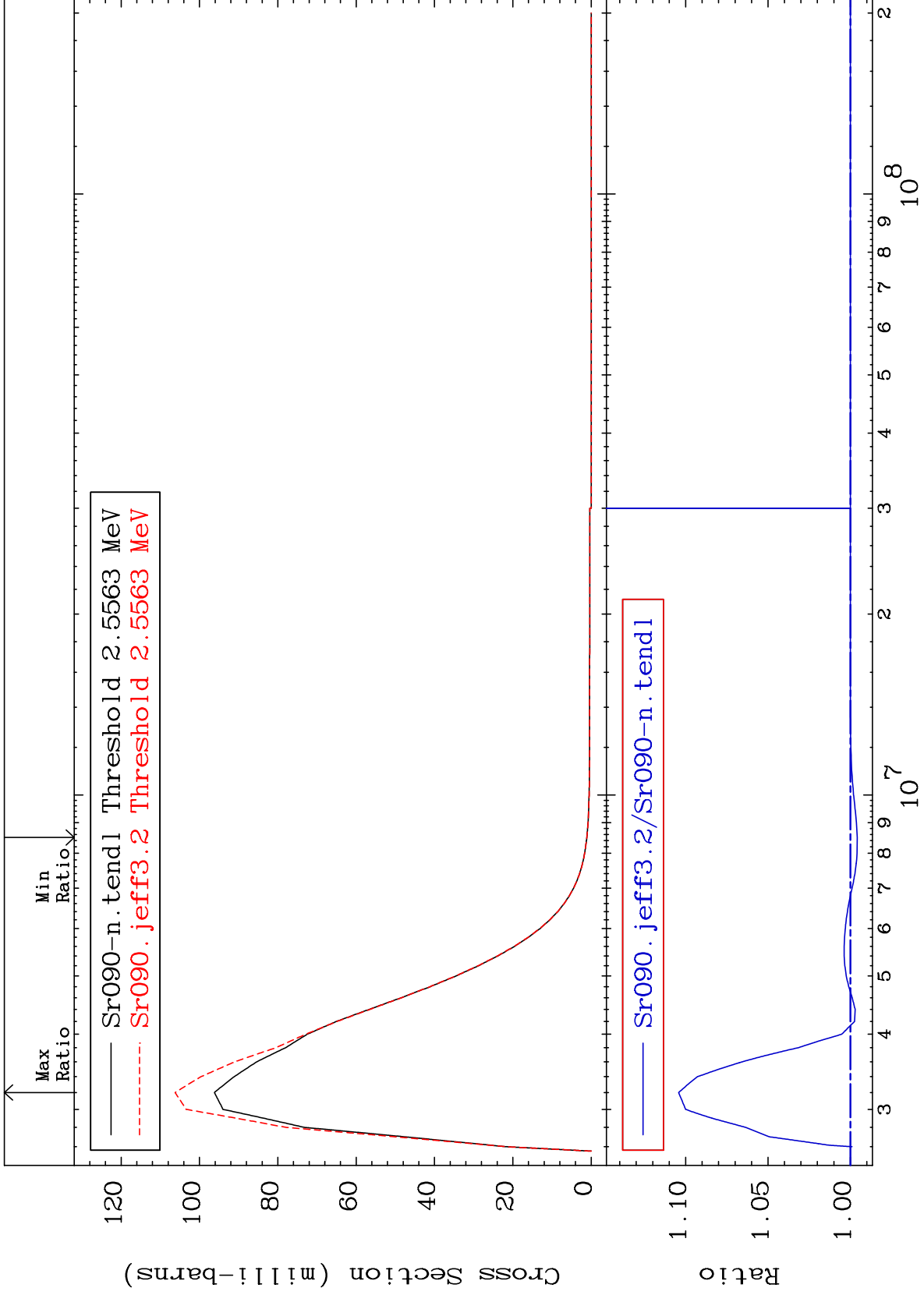
38-Sr-90
-100.0 To 1.900 %



MAT 3843

2.528 MeV (n,n') Level
Cross Section

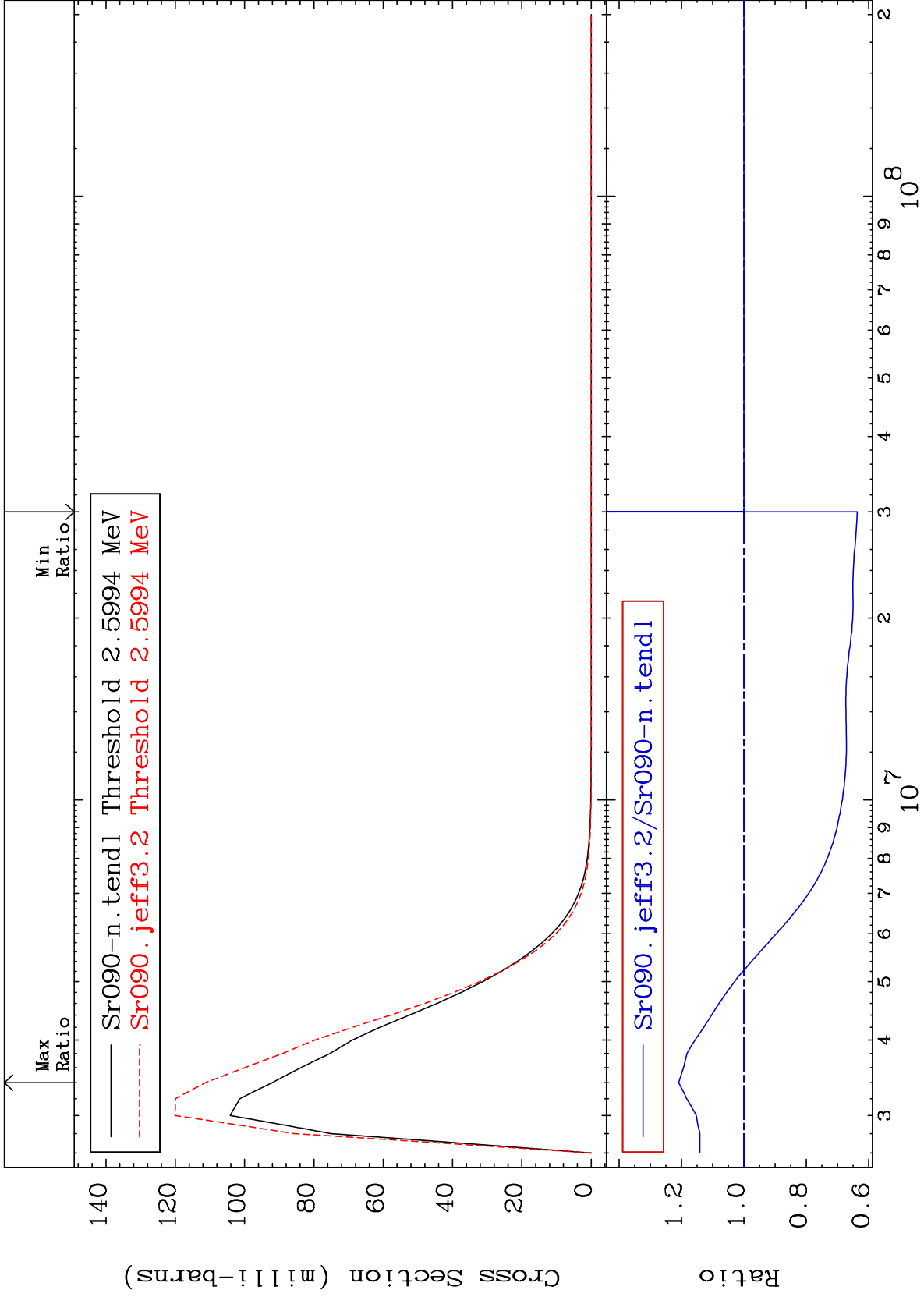
38-Sr-90
-0.419 To 10.43 %



MAT 3843

2.571 MeV (n,n') Level
Cross Section

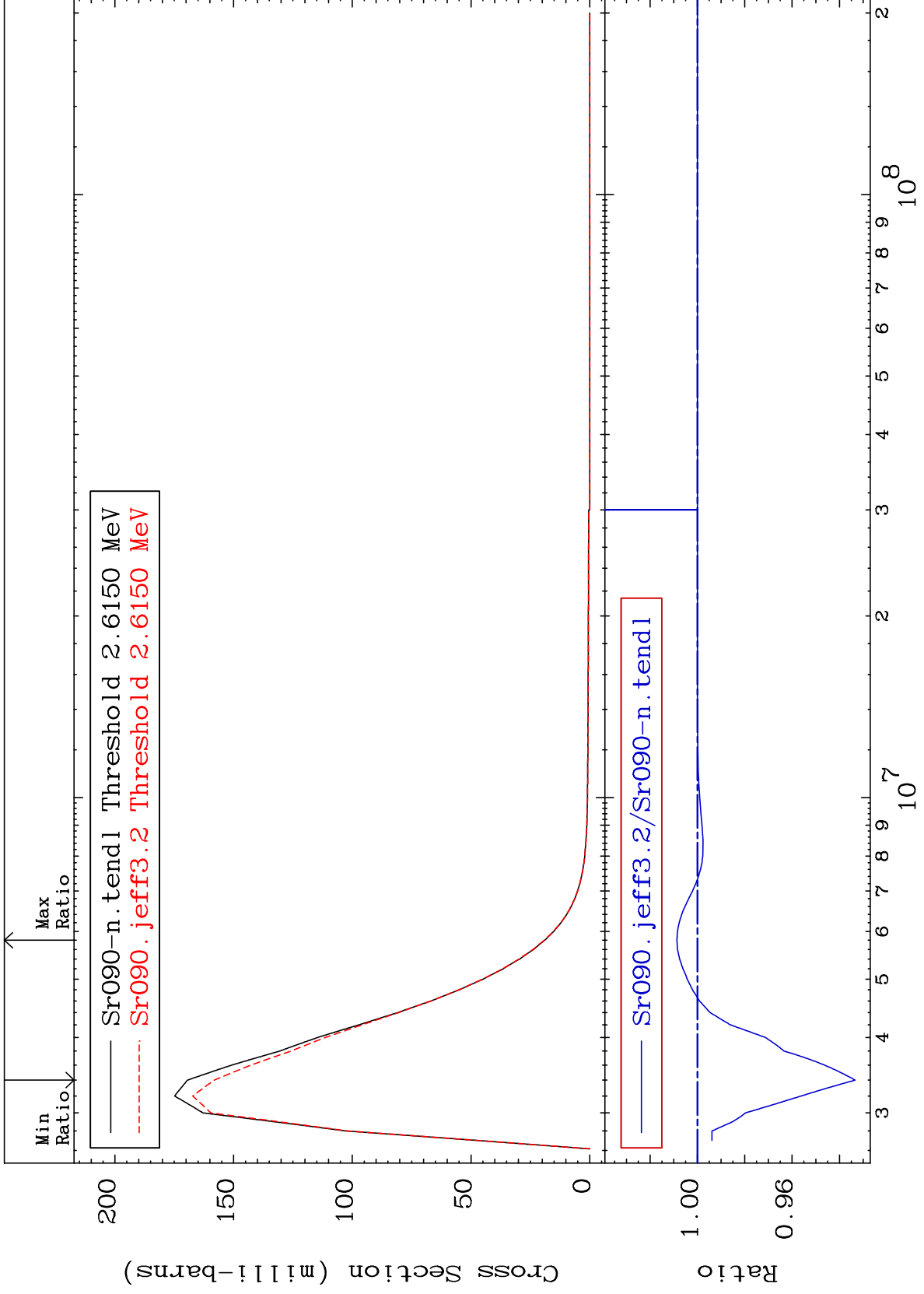
38-Sr-90
-36.32 To 20.91 %



MAT 3843

2.586 MeV (n,n') Level
Cross Section

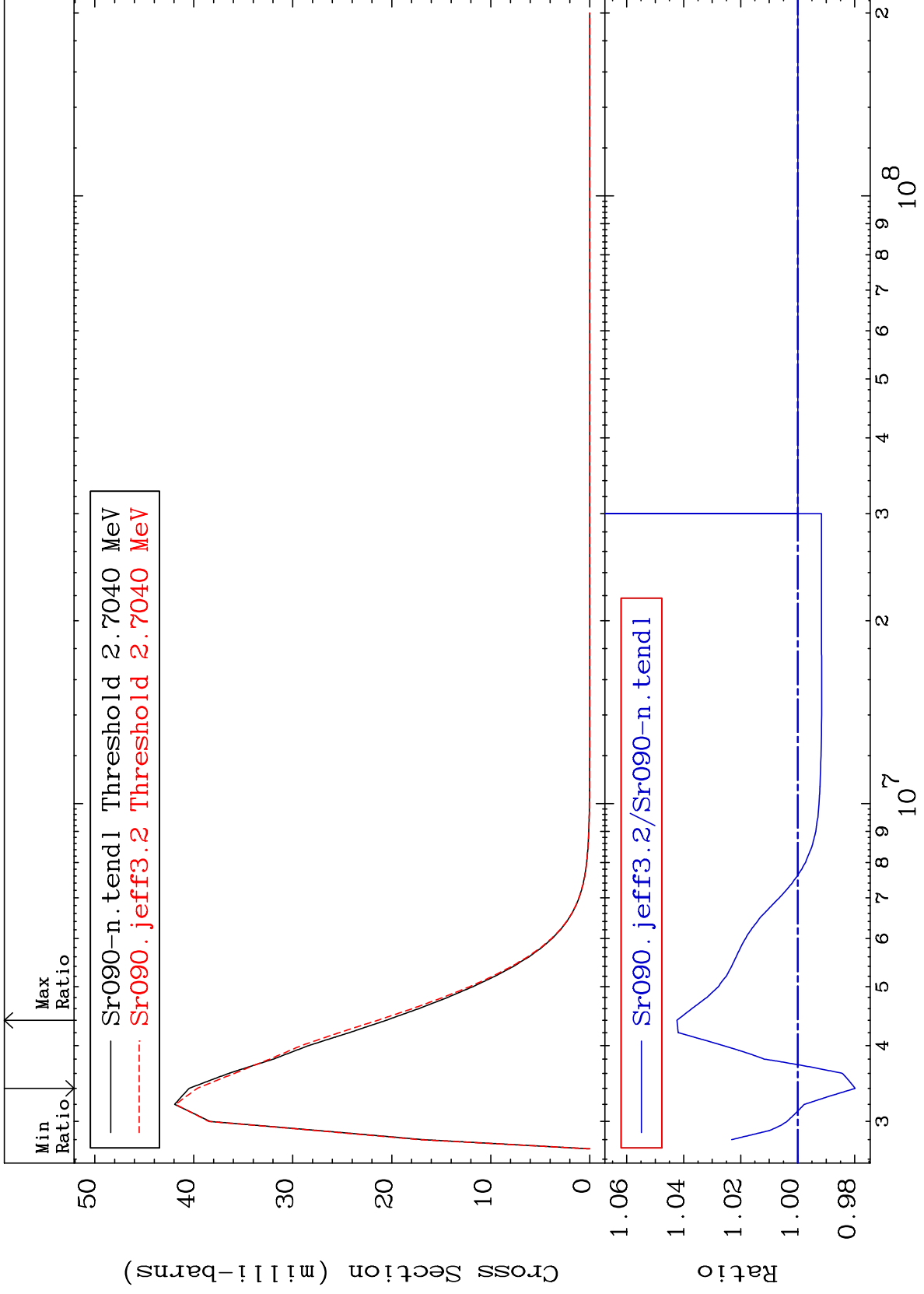
38-Sr-90
-6.662 To 0.869 %



MAT 3843

2.674 MeV (n,n') Level
Cross Section

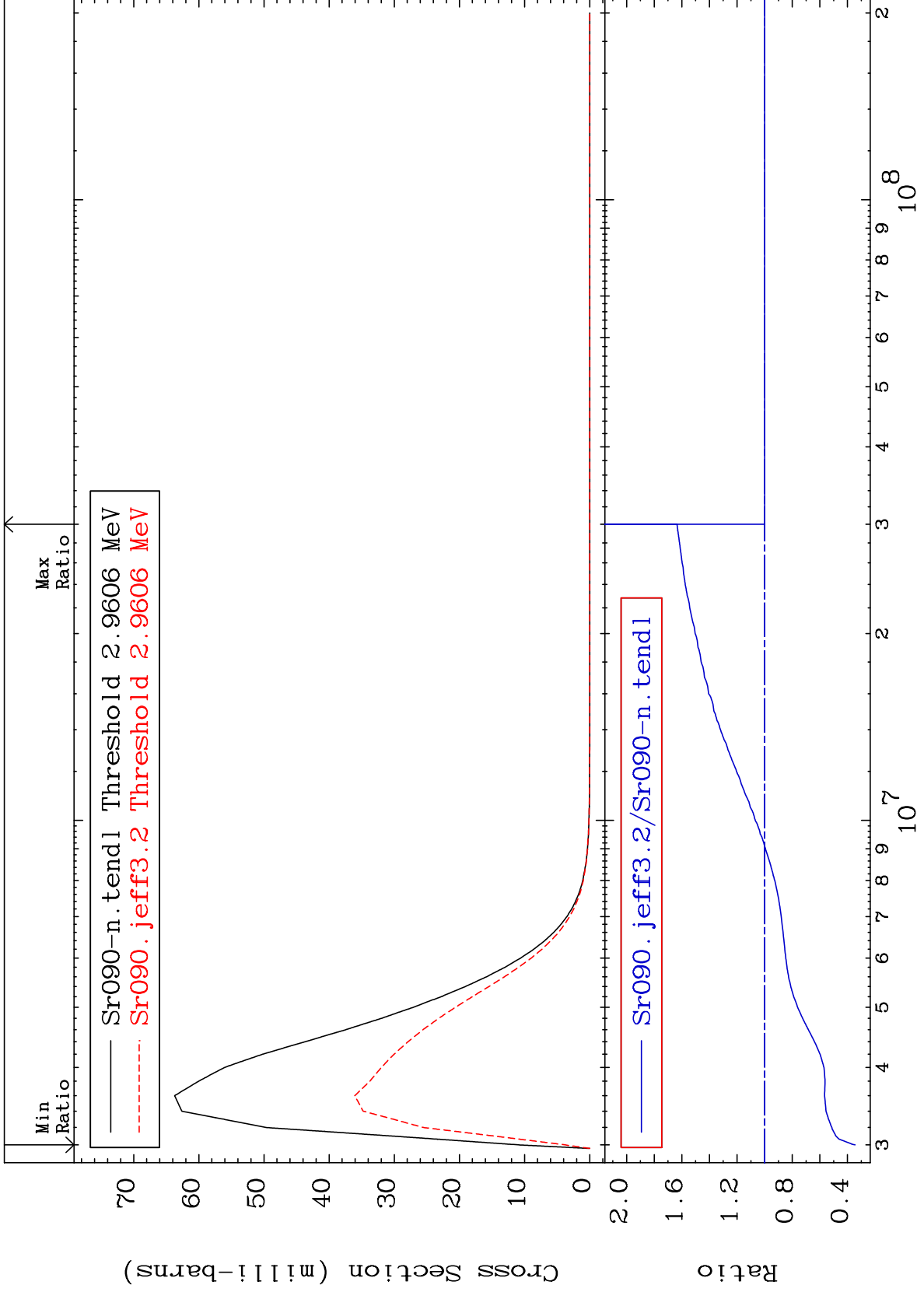
38-Sr-90
-2.013 To 4.239 %



MAT 3843

2.928 MeV (n,n') Level
Cross Section

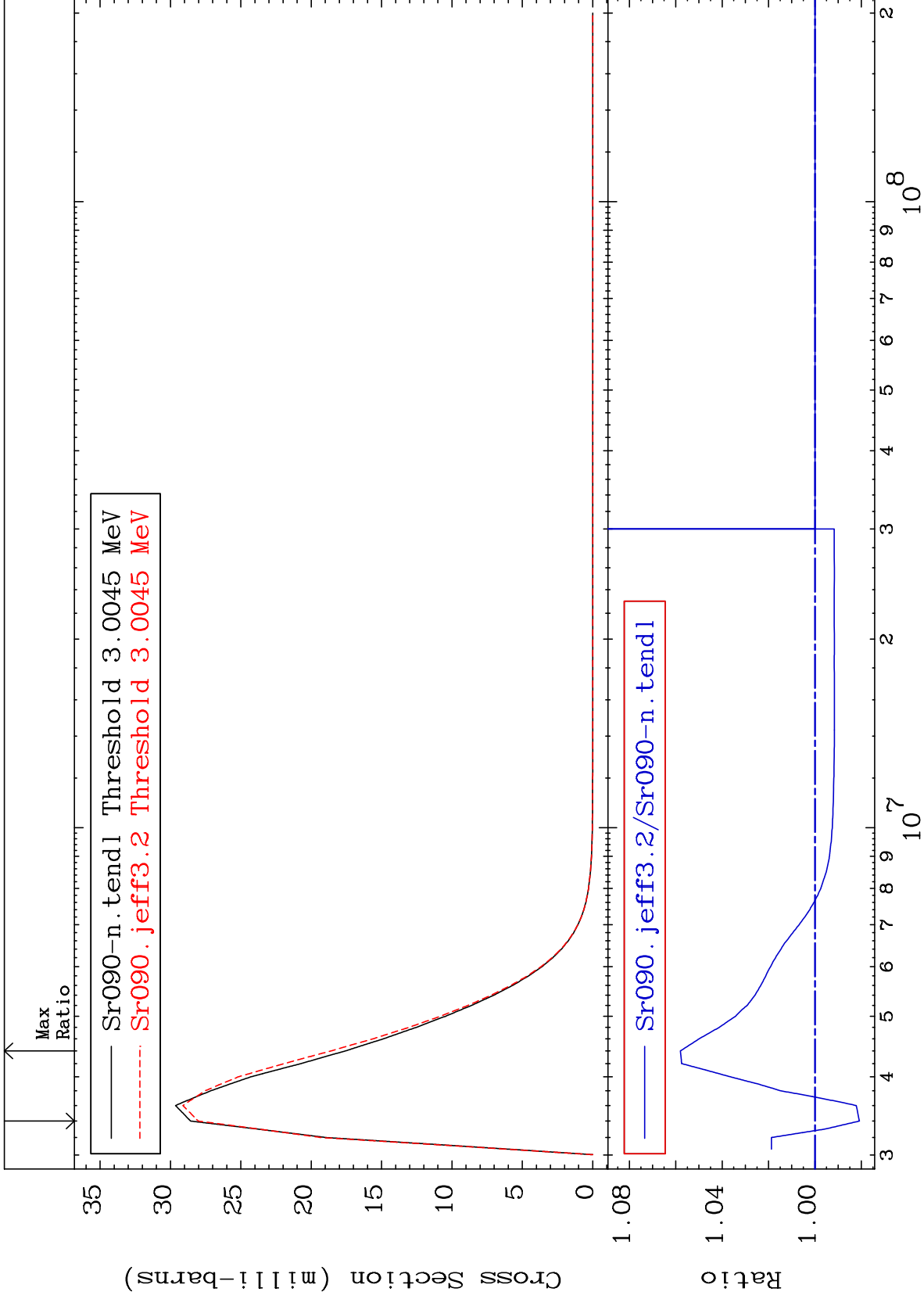
38-Sr-90
-65.53 To 63.56 %



MAT 3843

2.971 MeV (n,n') Level
Cross Section

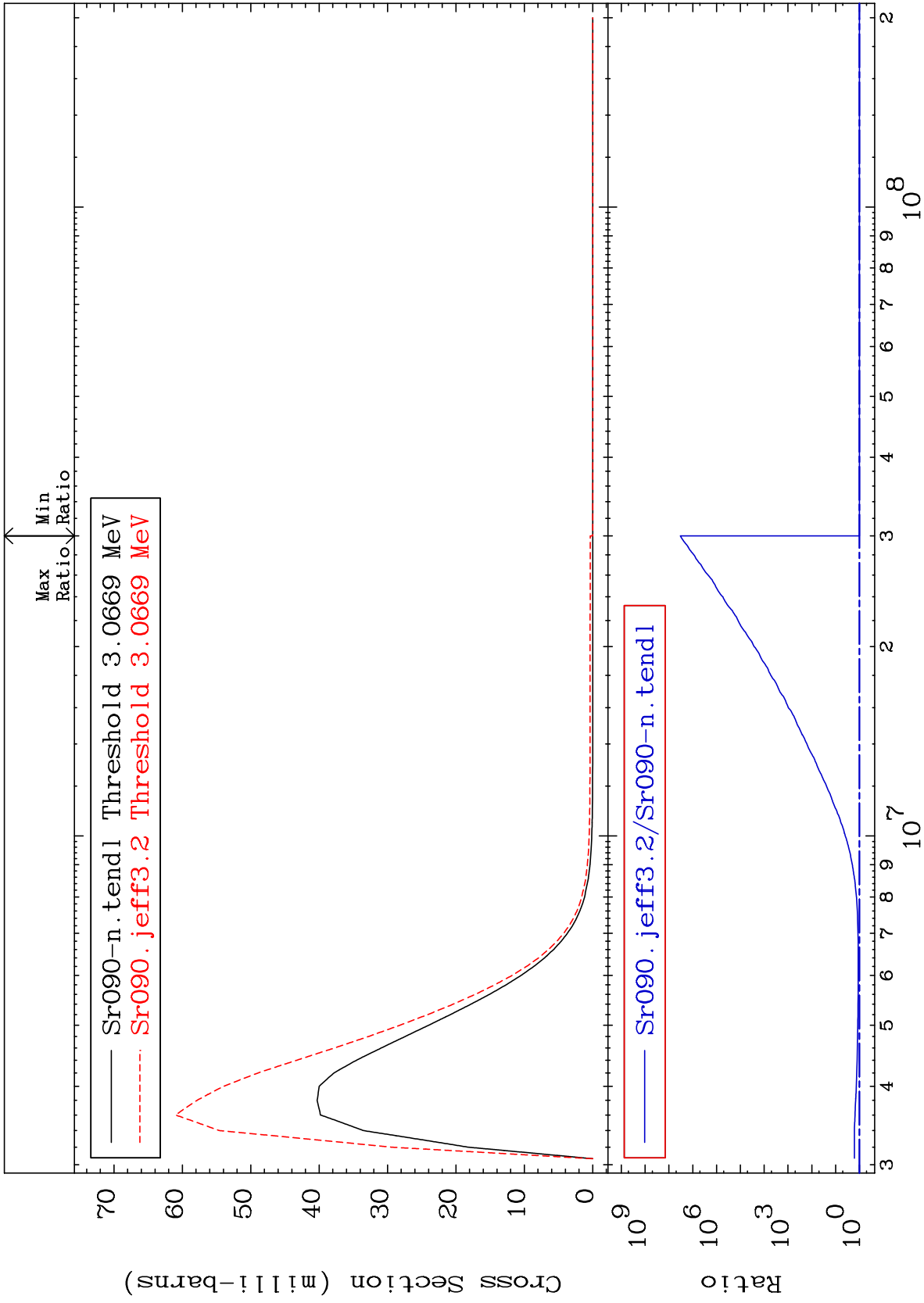
38-Sr-90
-1.918 To 5.801 %



MAT 3843

3.033 MeV (n,n') Level
Cross Section

38-Sr-90
To 9999. %



30

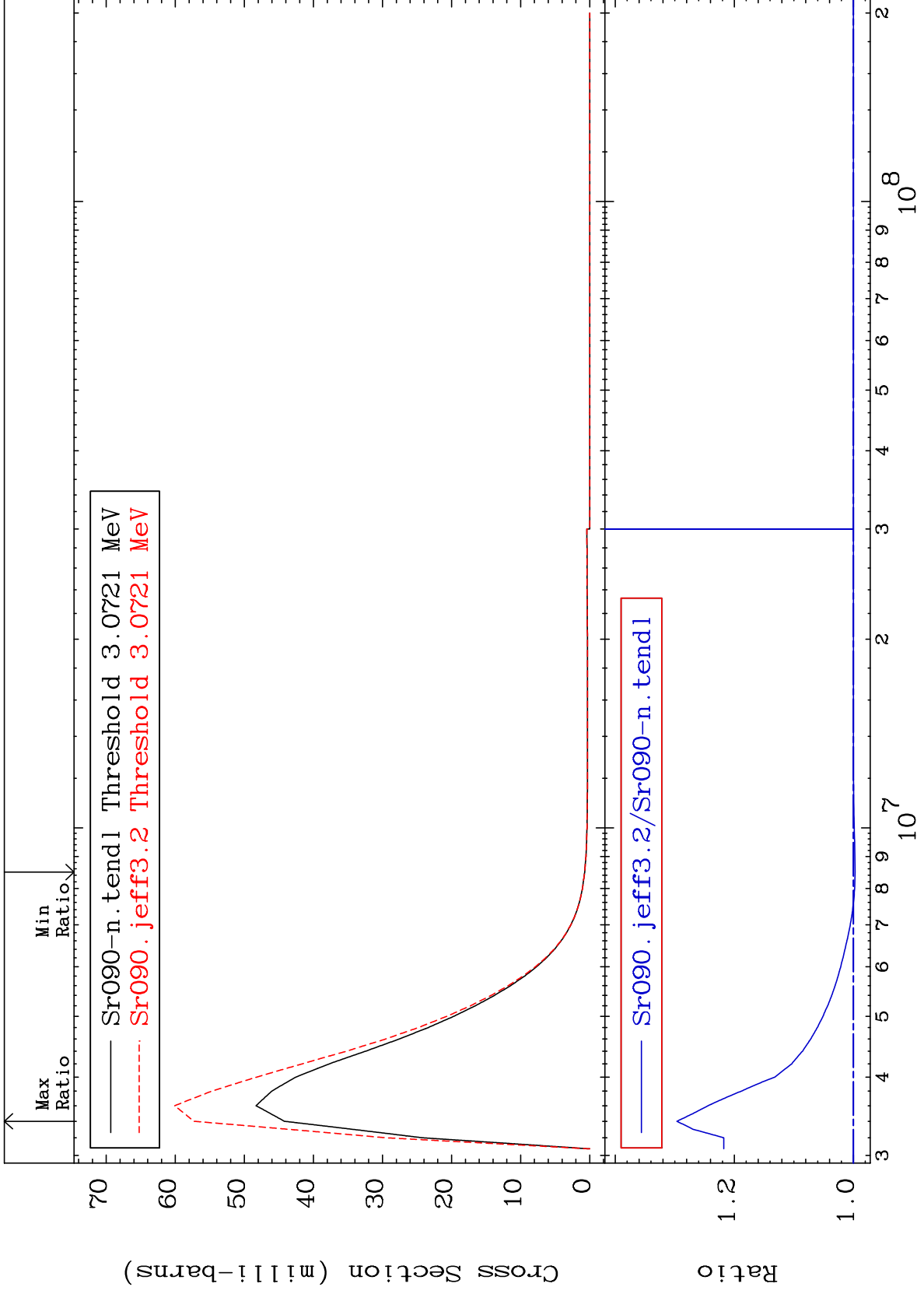
Incident Energy (eV)

38-Sr-90

MAT 3843

3.038 MeV (n,n') Level
Cross Section

38-Sr-90
-0.285 To 29.64 %

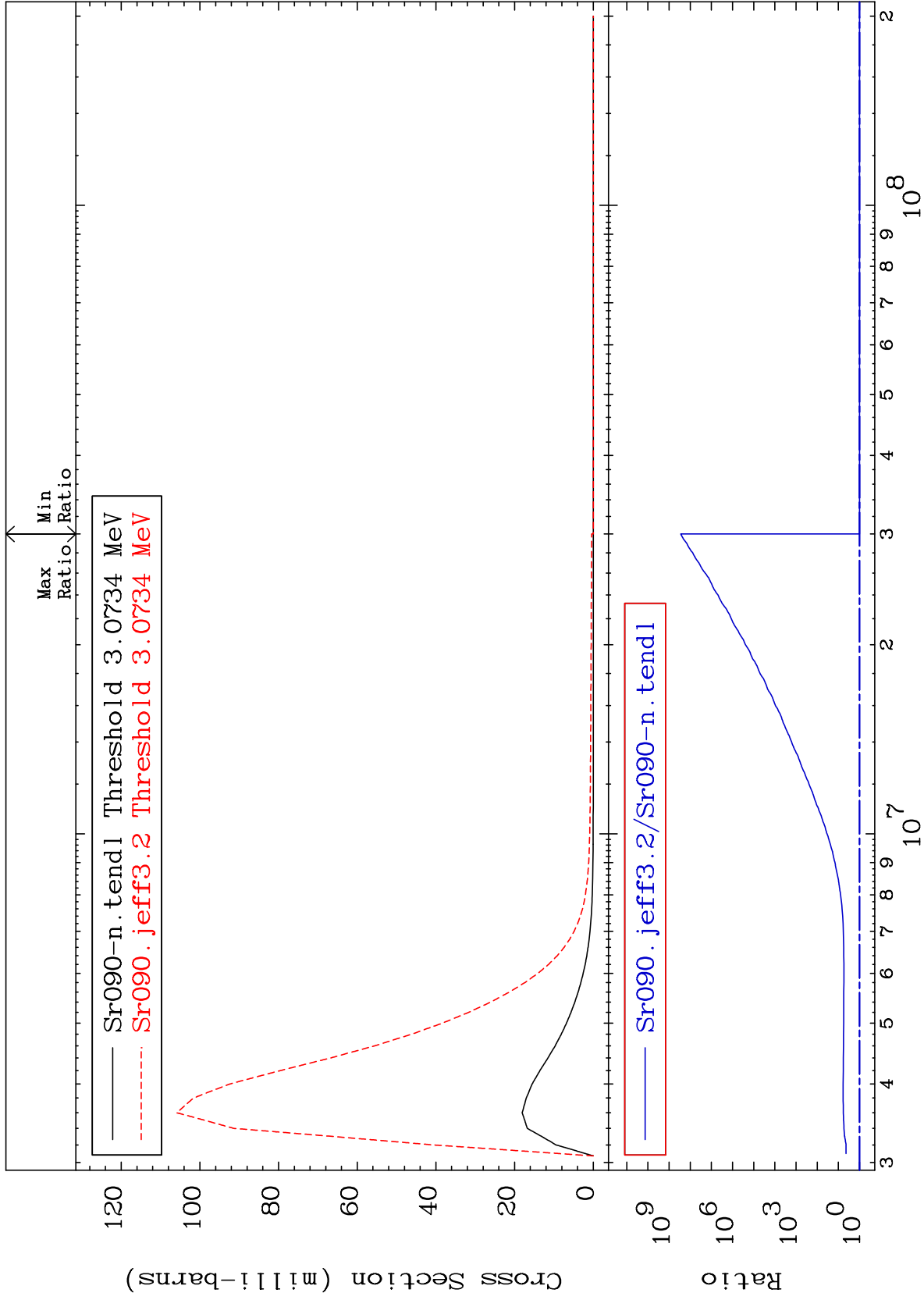


MAT 3843

3.039 MeV (n,n') Level

38-Sr-90

Cross Section To 9999. %



32

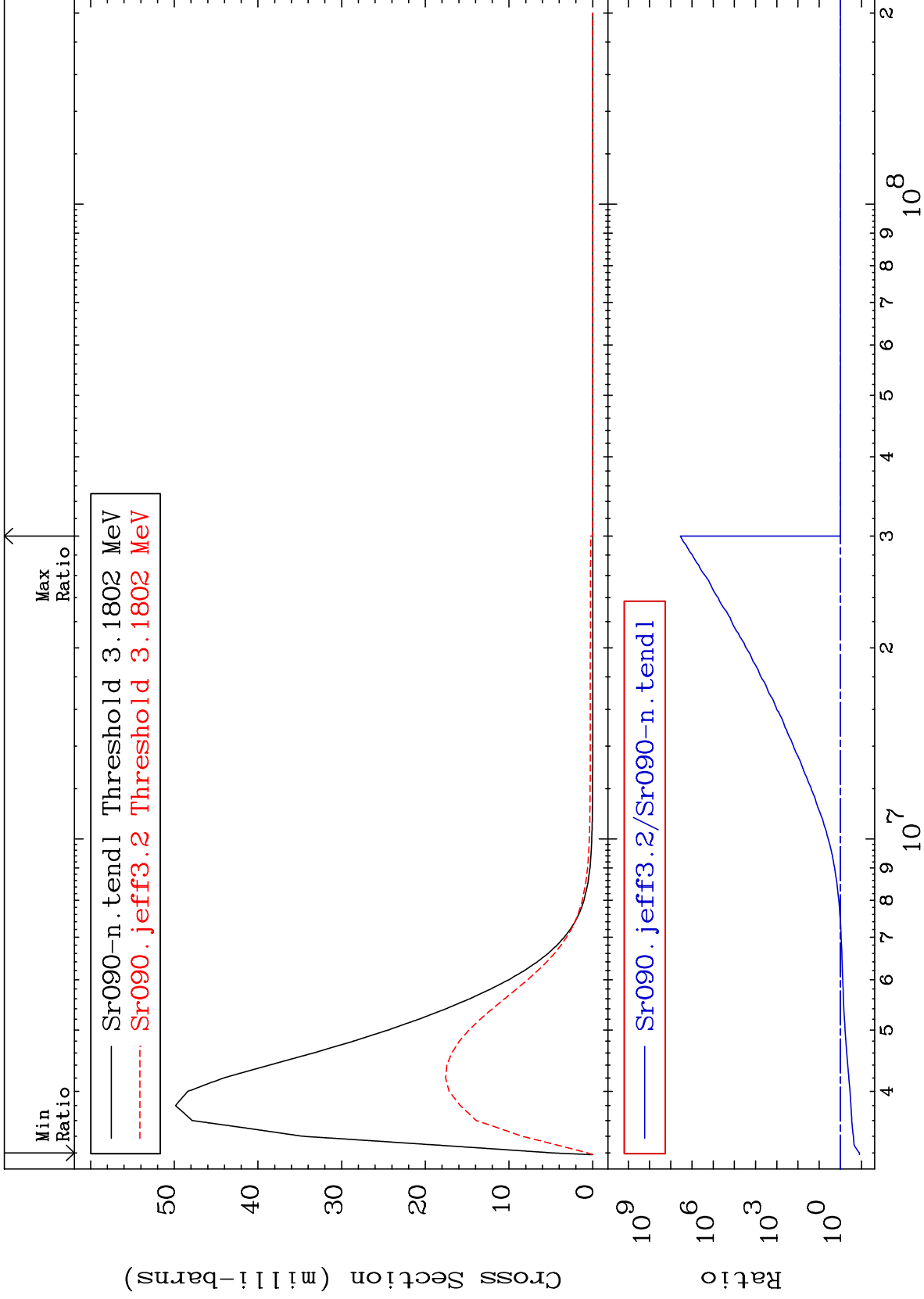
Incident Energy (eV)

38-Sr-90

MAT 3843

3.145 MeV (n,n') Level
Cross Section

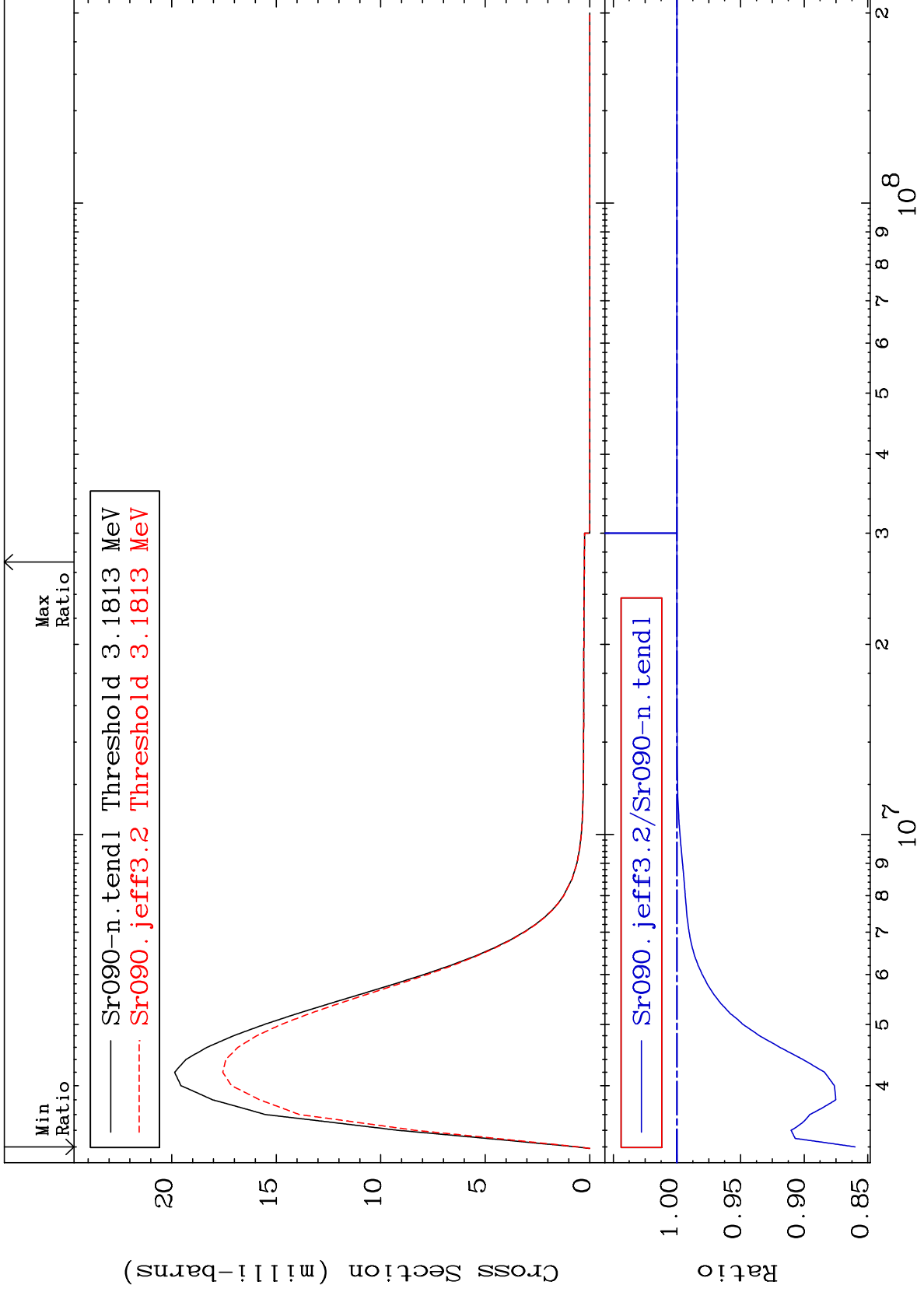
38-Sr-90
-87.35 To 9999. %



MAT 3843

3.146 MeV (n,n') Level
Cross Section

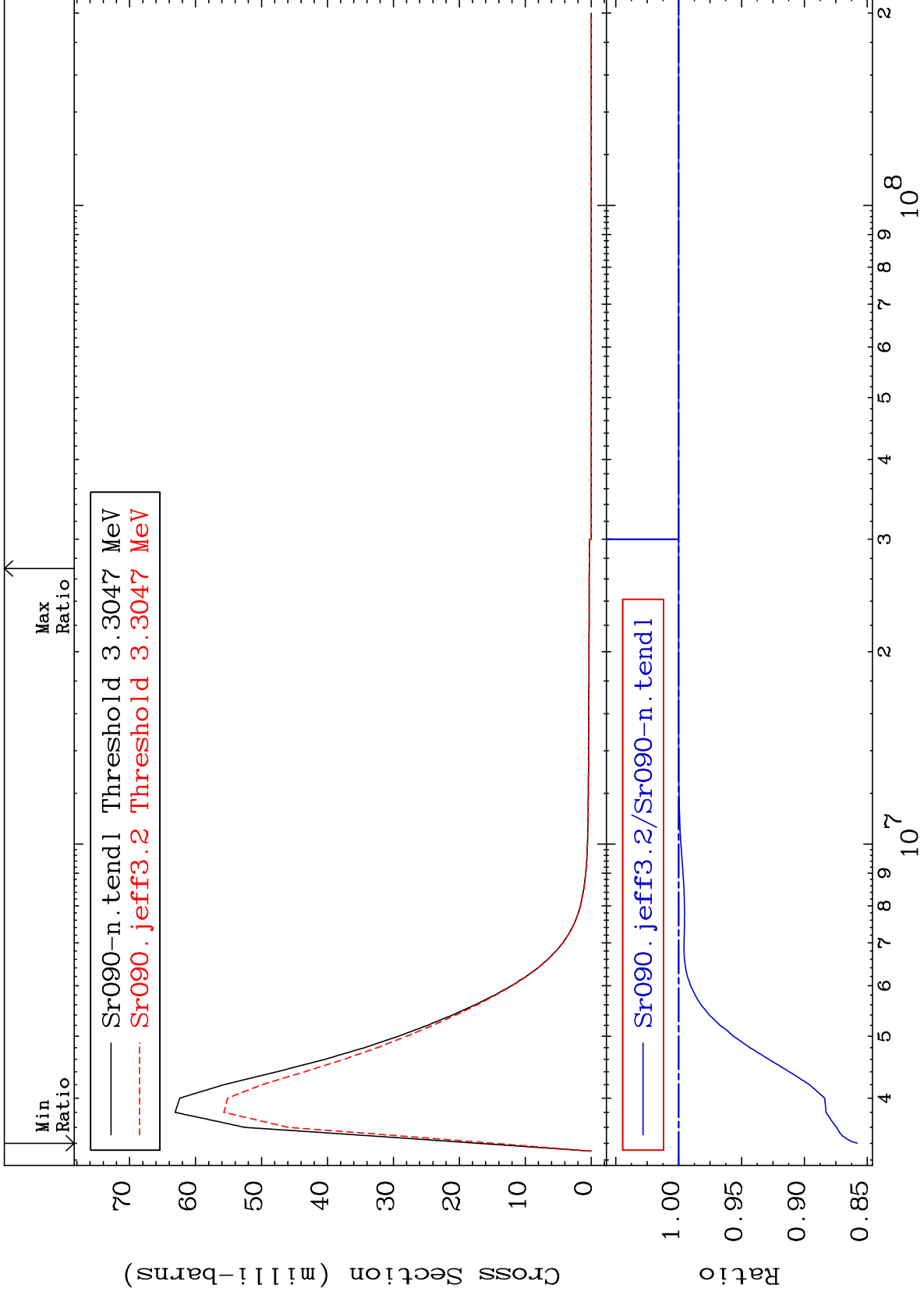
38-Sr-90
-14.00 To 0.000 %



MAT 3843

3.268 MeV (n,n') Level
Cross Section

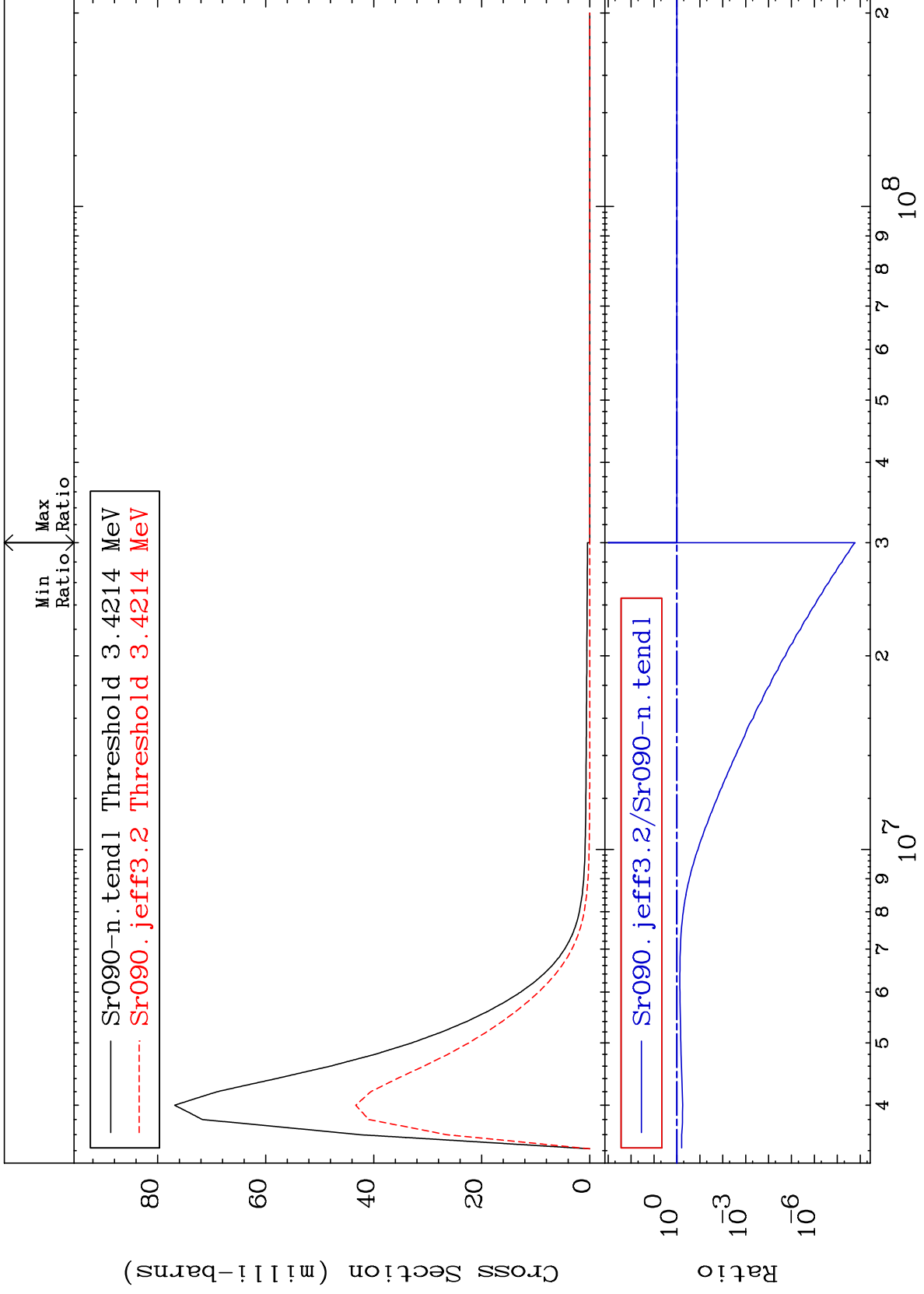
38-Sr-90
-14.20 To 0.000 %



MAT 3843

3.383 MeV (n,n') Level
Cross Section

38-Sr-90
-100.0 To 0.000 %



36

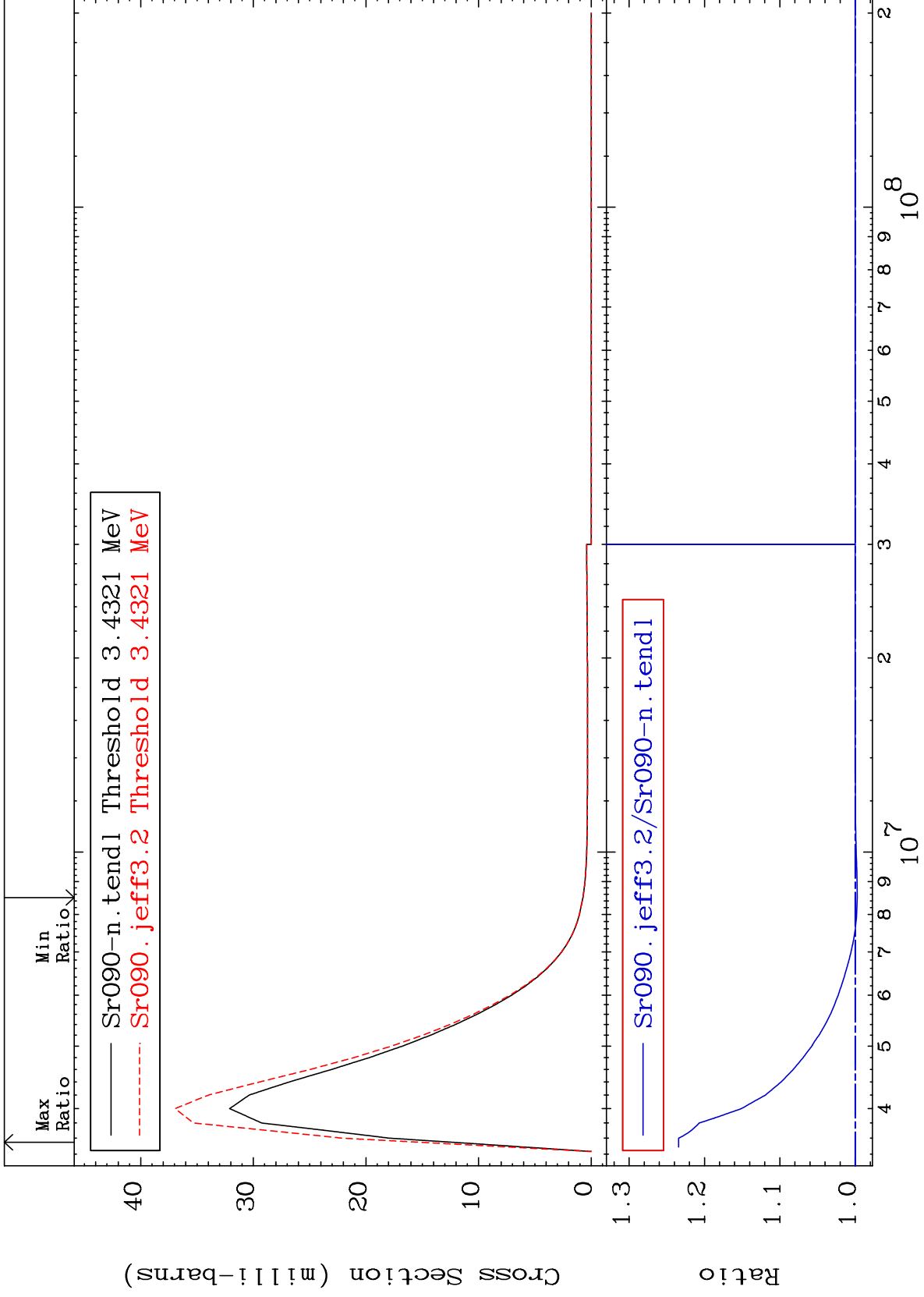
Incident Energy (eV)

38-Sr-90

MAT 3843

3.394 MeV (n,n') Level
Cross Section

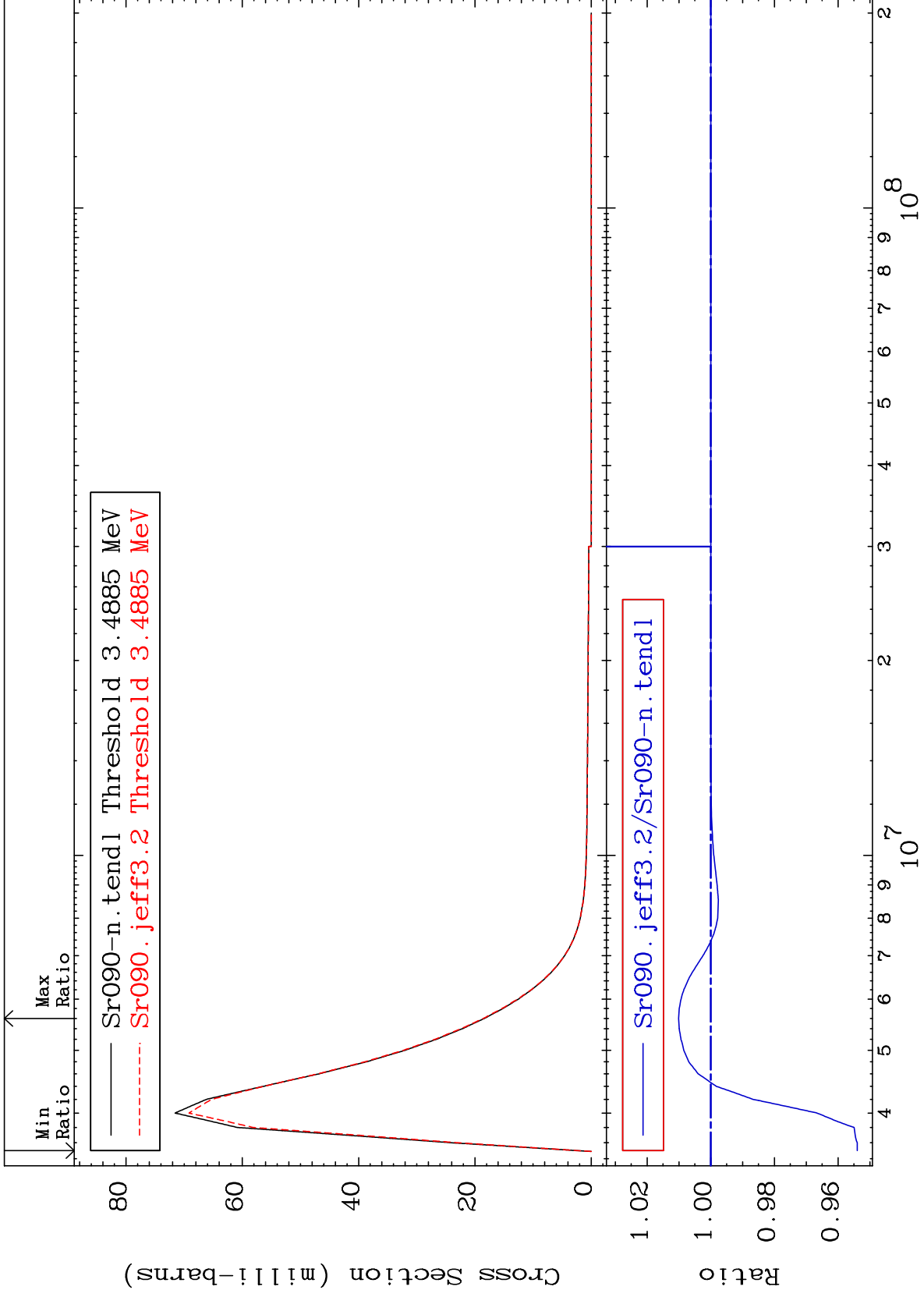
38-Sr-90
-0.270 To 23.43 %



MAT 3843

3.450 MeV (n,n') Level
Cross Section

38-Sr-90
-4.602 To 1.010 %



38

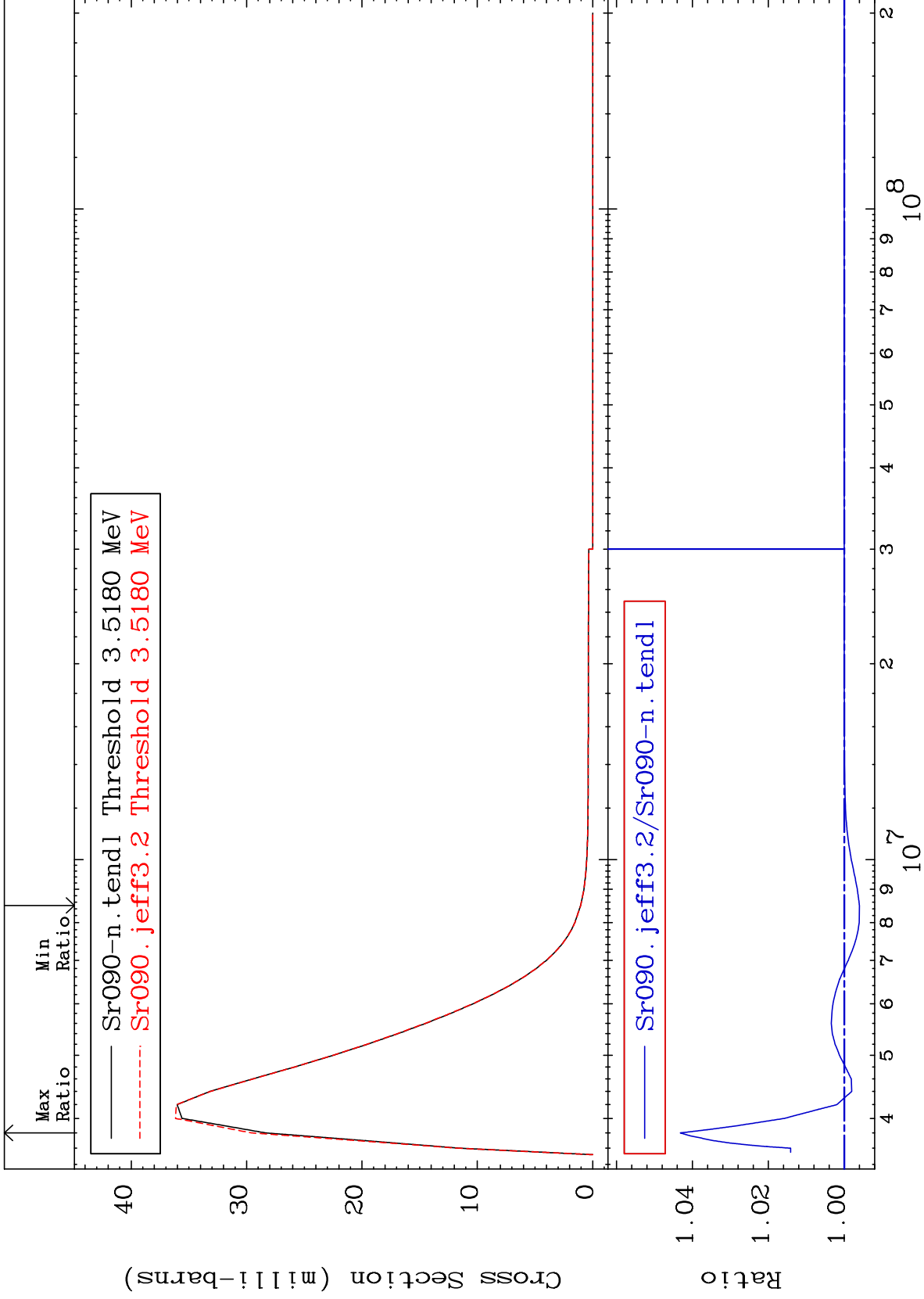
Incident Energy (eV)

38-Sr-90

MAT 3843

3.479 MeV (n,n') Level
Cross Section

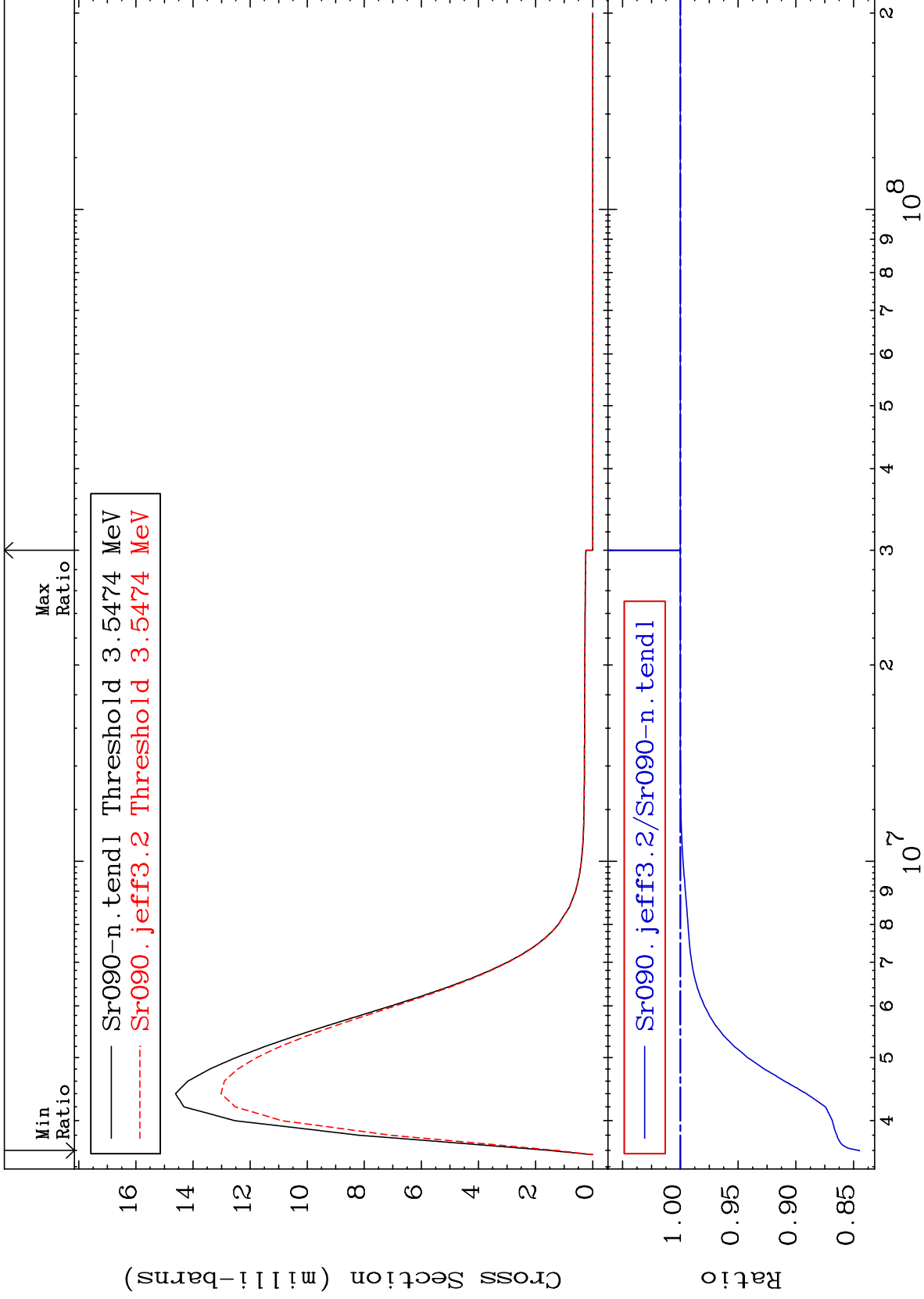
38-Sr-90
-0.399 To 4.319 %



MAT 3843

3.508 MeV (n,n') Level
Cross Section

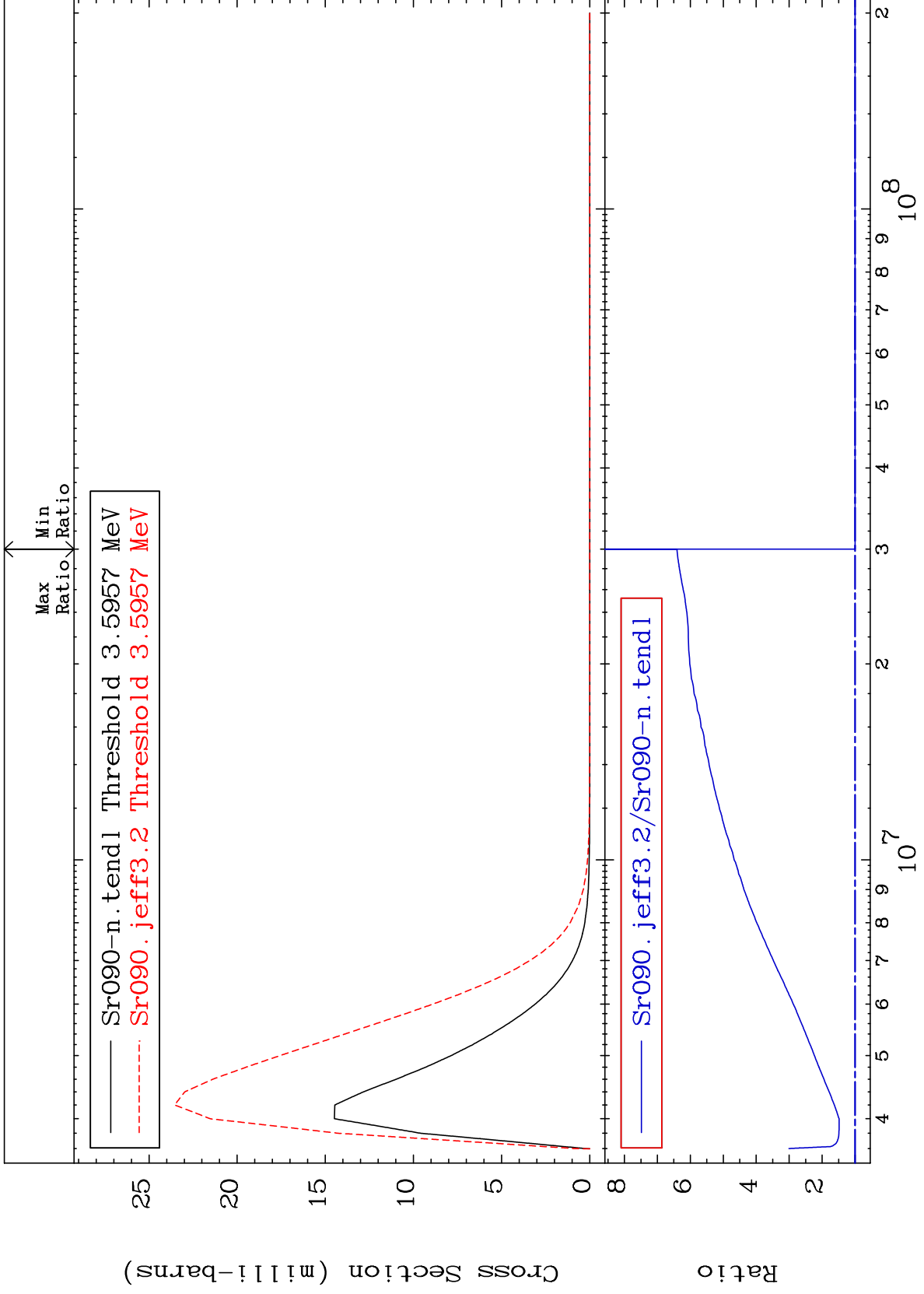
38-Sr-90
-15.50 To 0.000 %



MAT 3843

3.556 MeV (n,n') Level
Cross Section

38-Sr-90
To 540.7 %



41

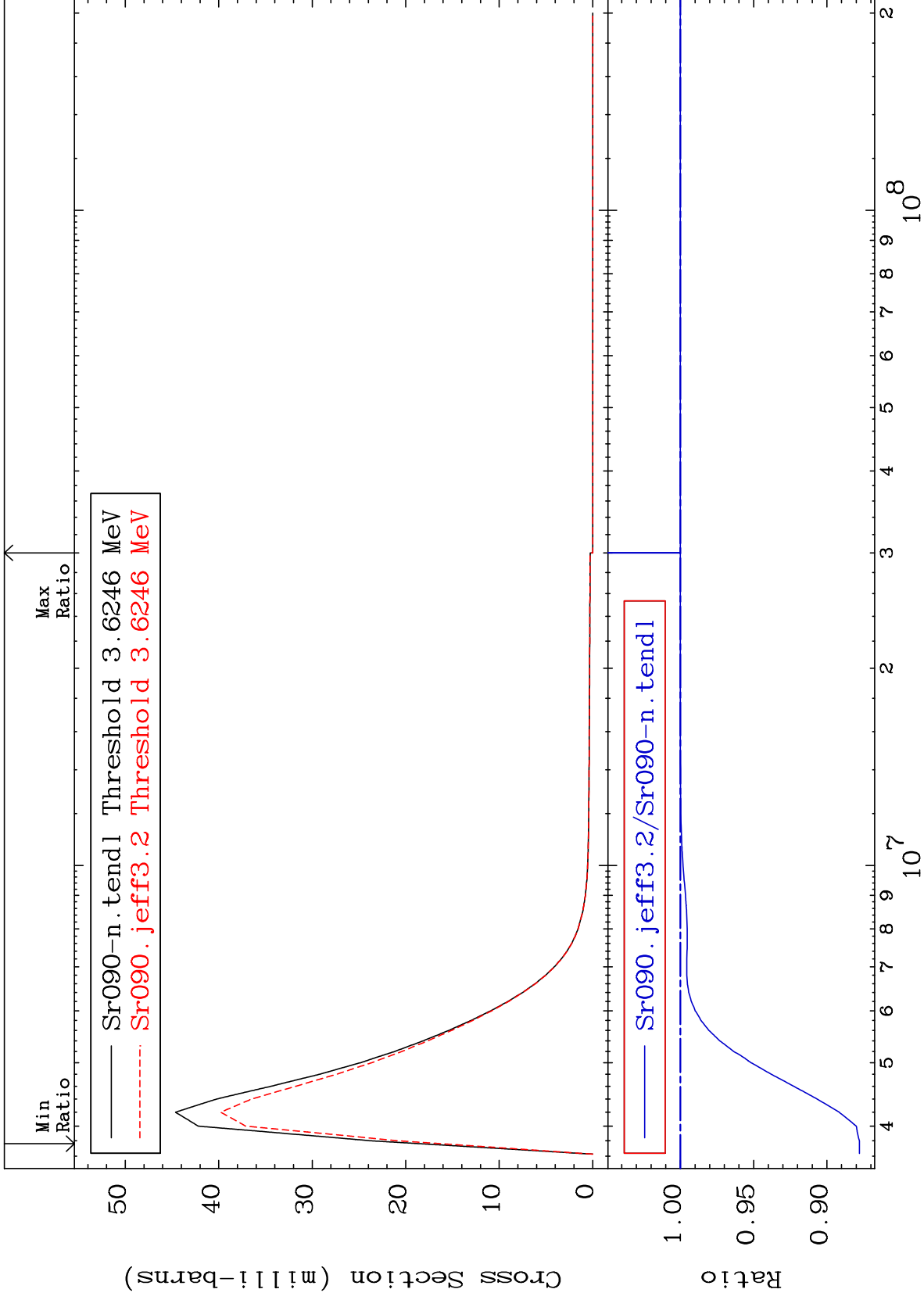
Incident Energy (eV)

38-Sr-90

MAT 3843

3.584 MeV (n,n') Level
Cross Section

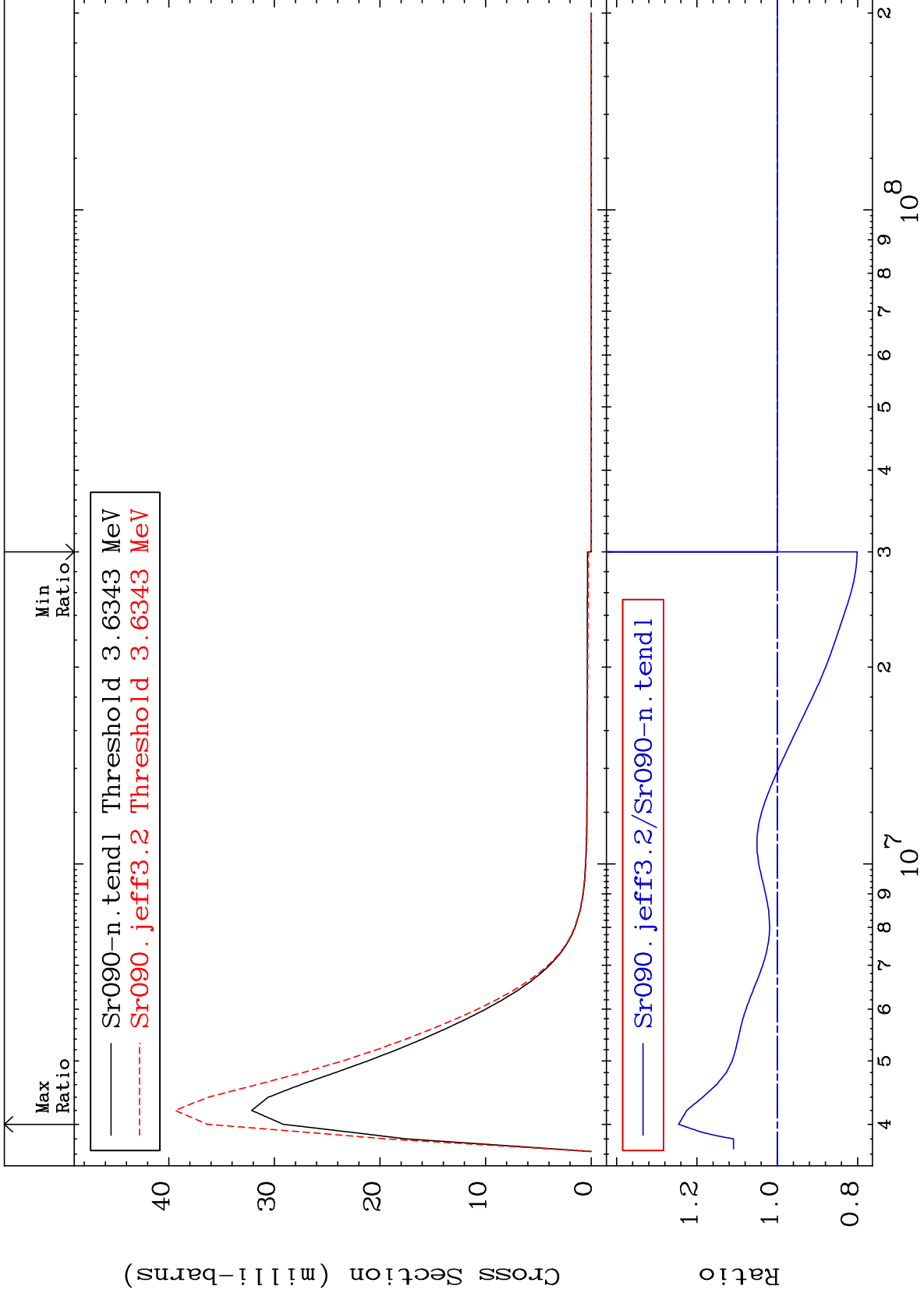
38-Sr-90
-12.22 To 0.000 %



MAT 3843

3.594 MeV (n,n') Level
Cross Section

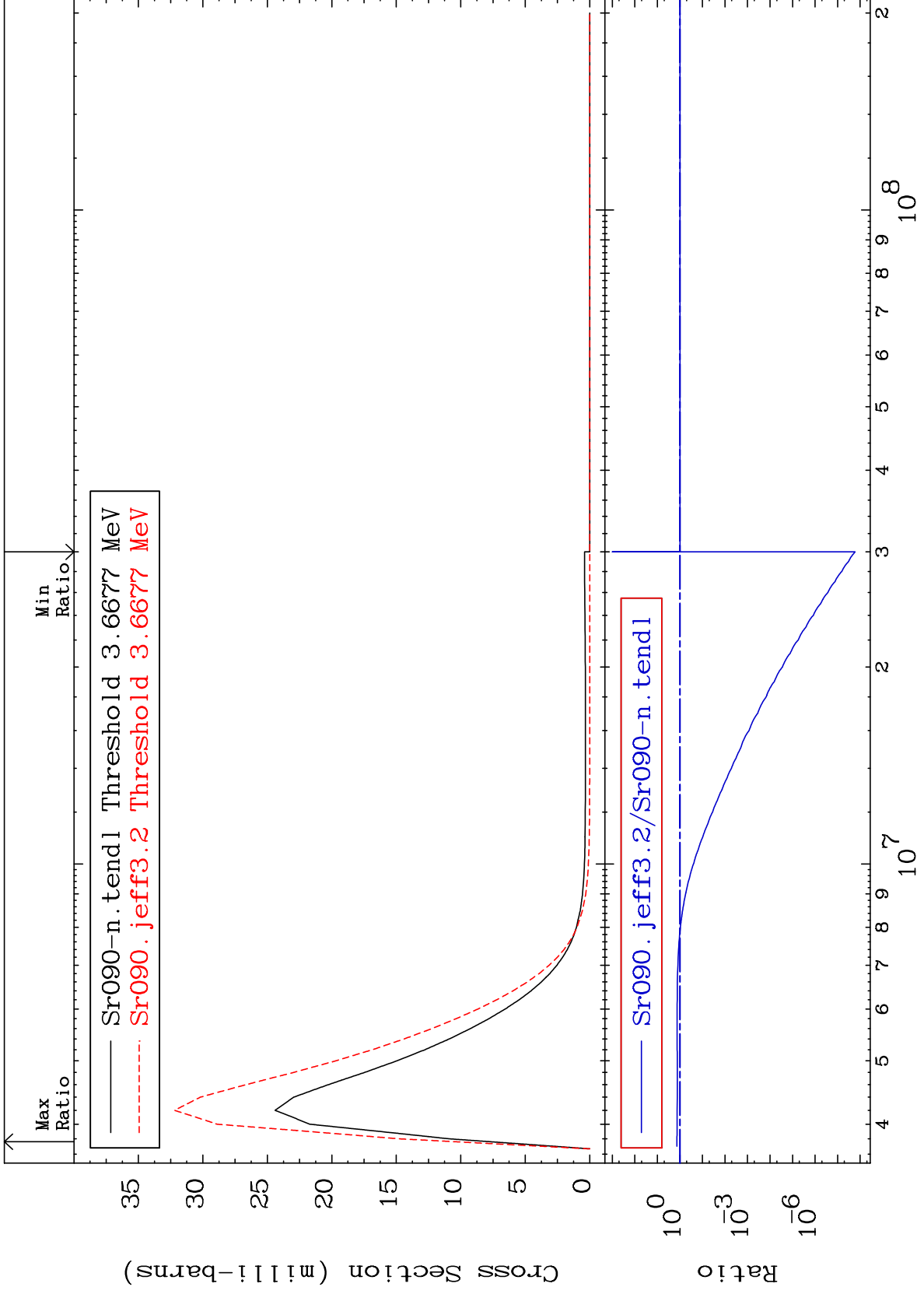
38-Sr-90
-19.91 To 24.57 %



MAT 3843

3.627 MeV (n,n') Level
Cross Section

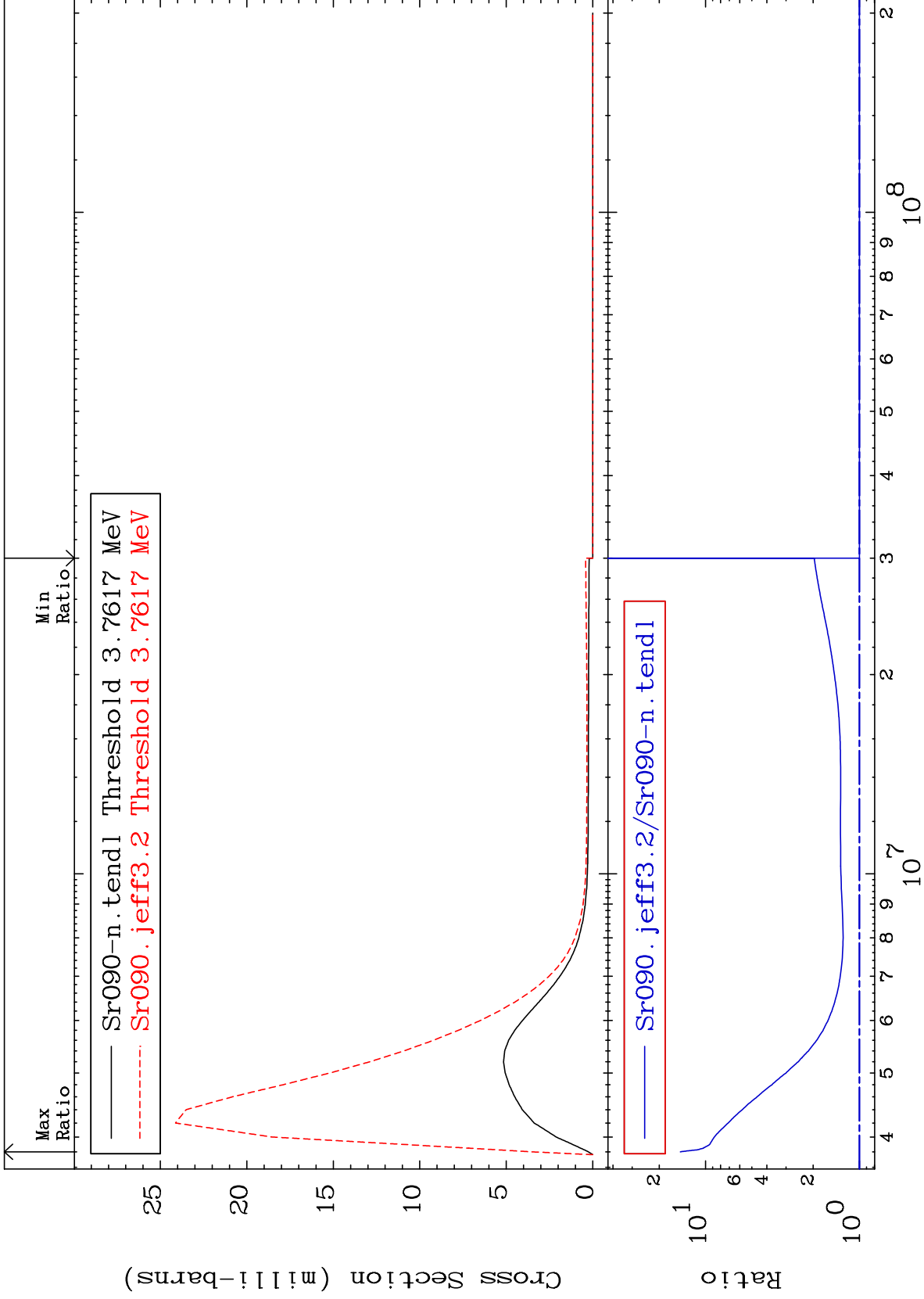
38-Sr-90
-100.0 To 35.47 %



MAT 3843

3.720 MeV (n,n') Level
Cross Section

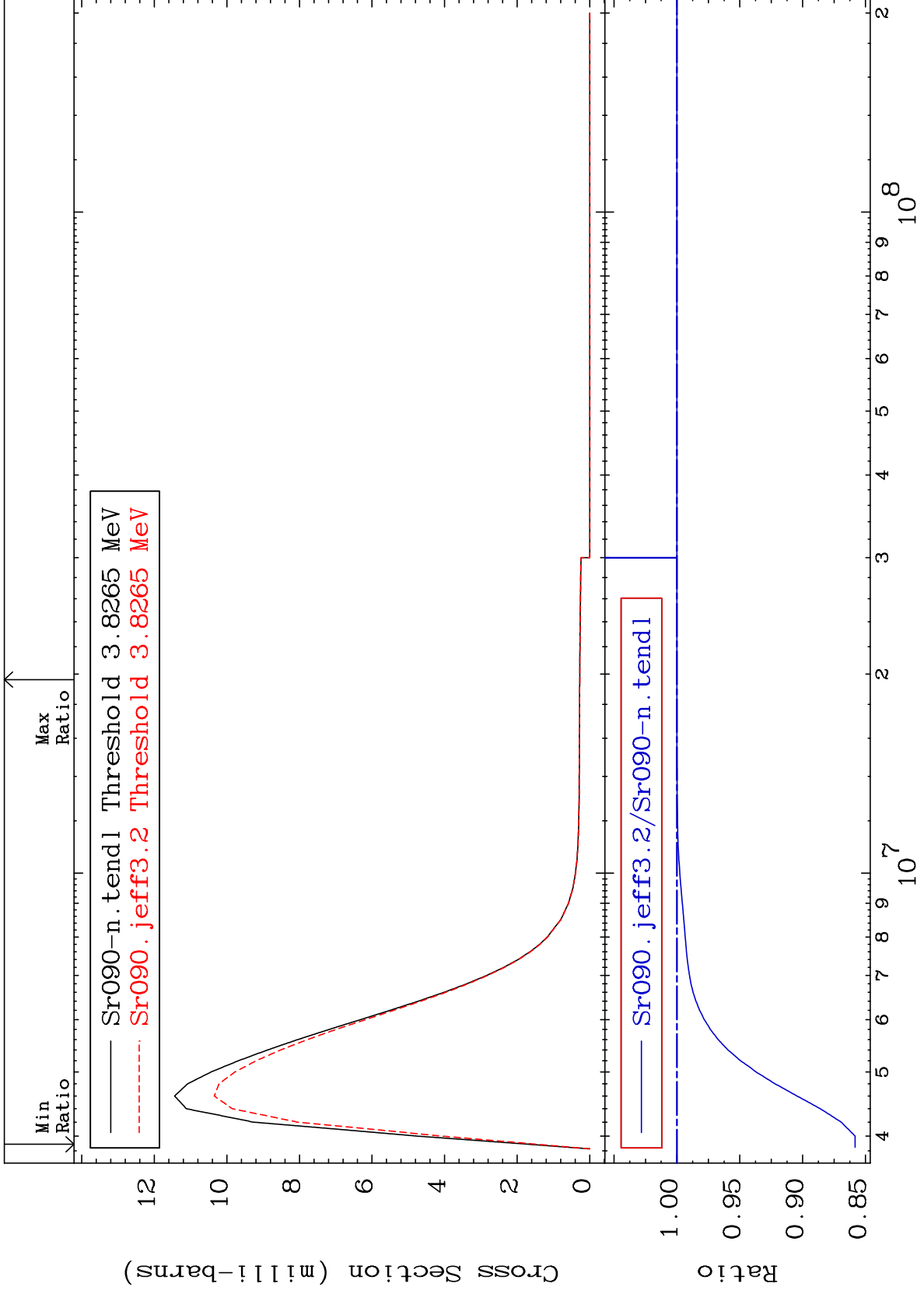
38-Sr-90
0.000 To 1358. %



MAT 3843

3.784 MeV (n,n') Level
Cross Section

38-Sr-90
-14.17 To 0.000 %



46

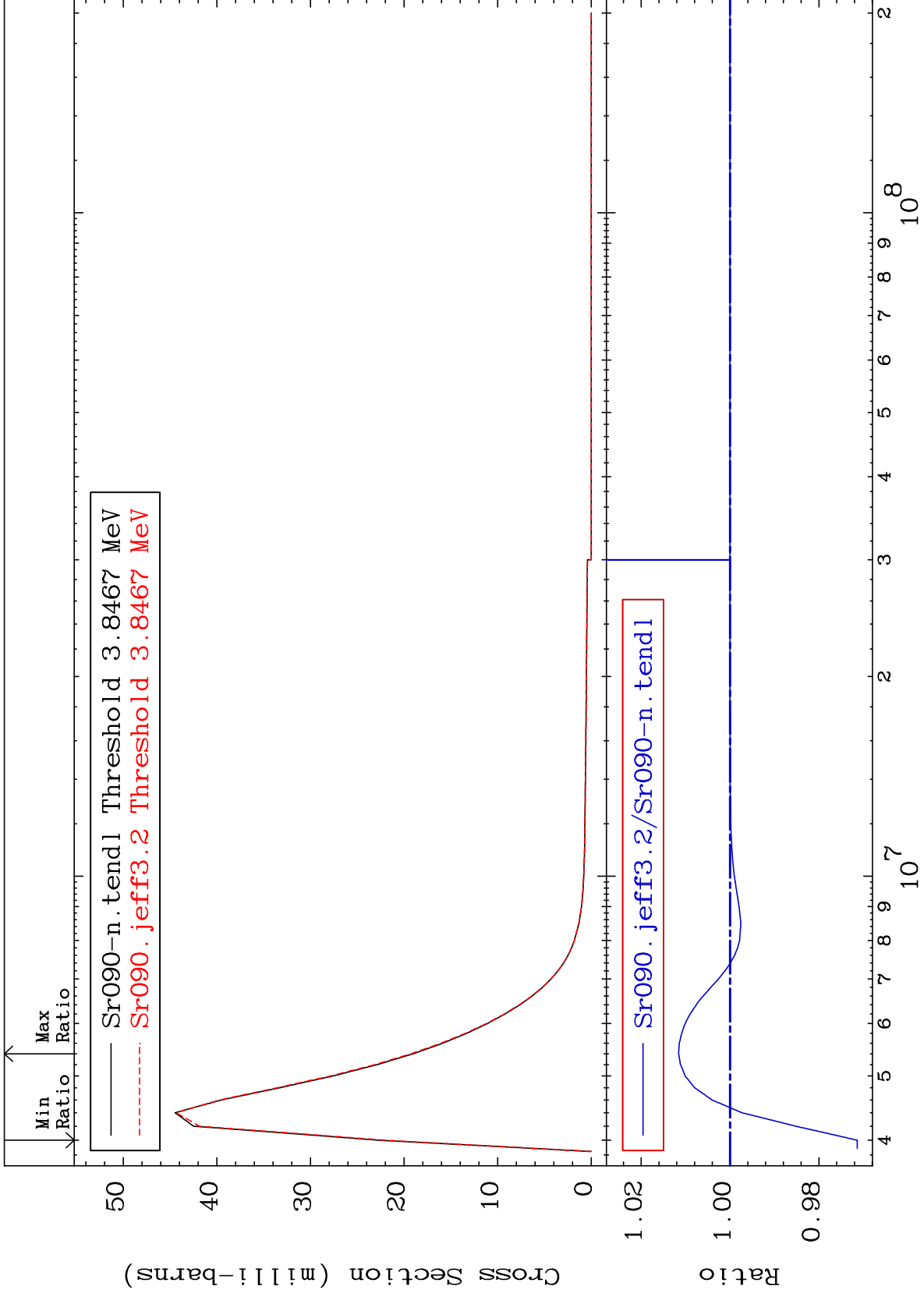
Incident Energy (eV)

38-Sr-90

MAT 3843

3.804 MeV (n,n') Level
Cross Section

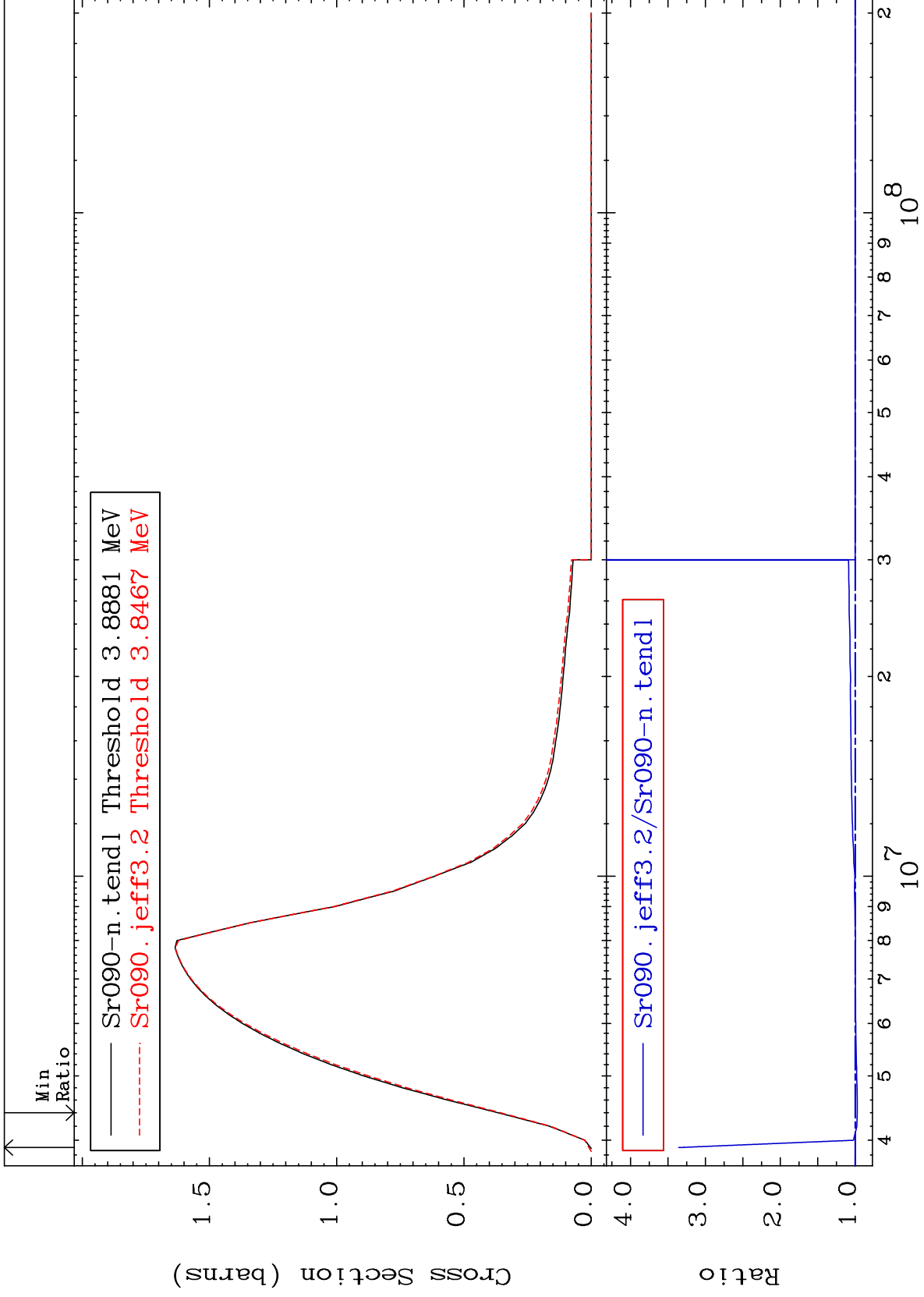
38-Sr-90
-2.863 To 1.158 %



MAT 3843

(n, n') Continuum
Cross Section

38-Sr-90
-2.688 To 235.8 %



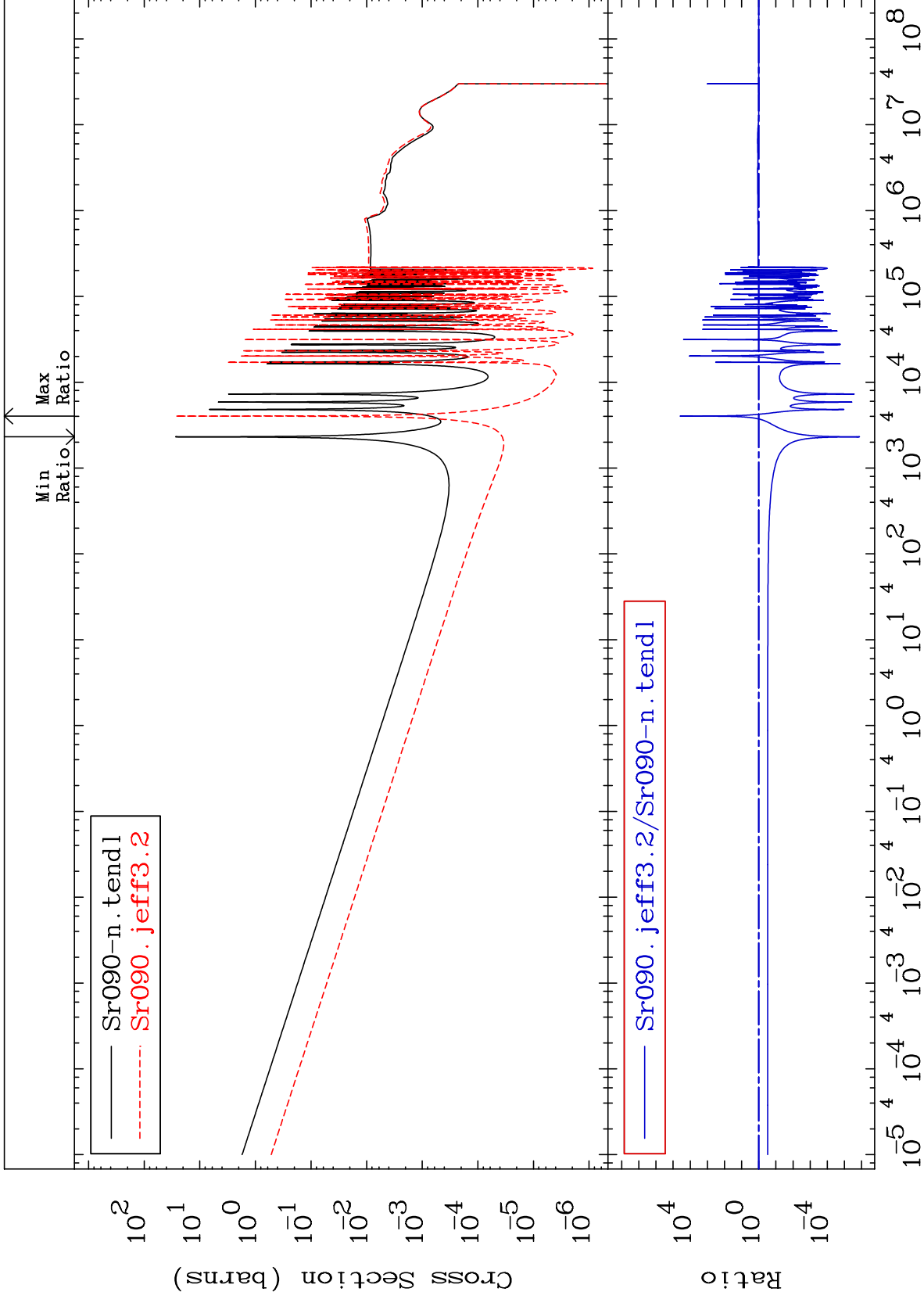
MAT 3843

(n, γ)

38-Sr-90

Cross Section

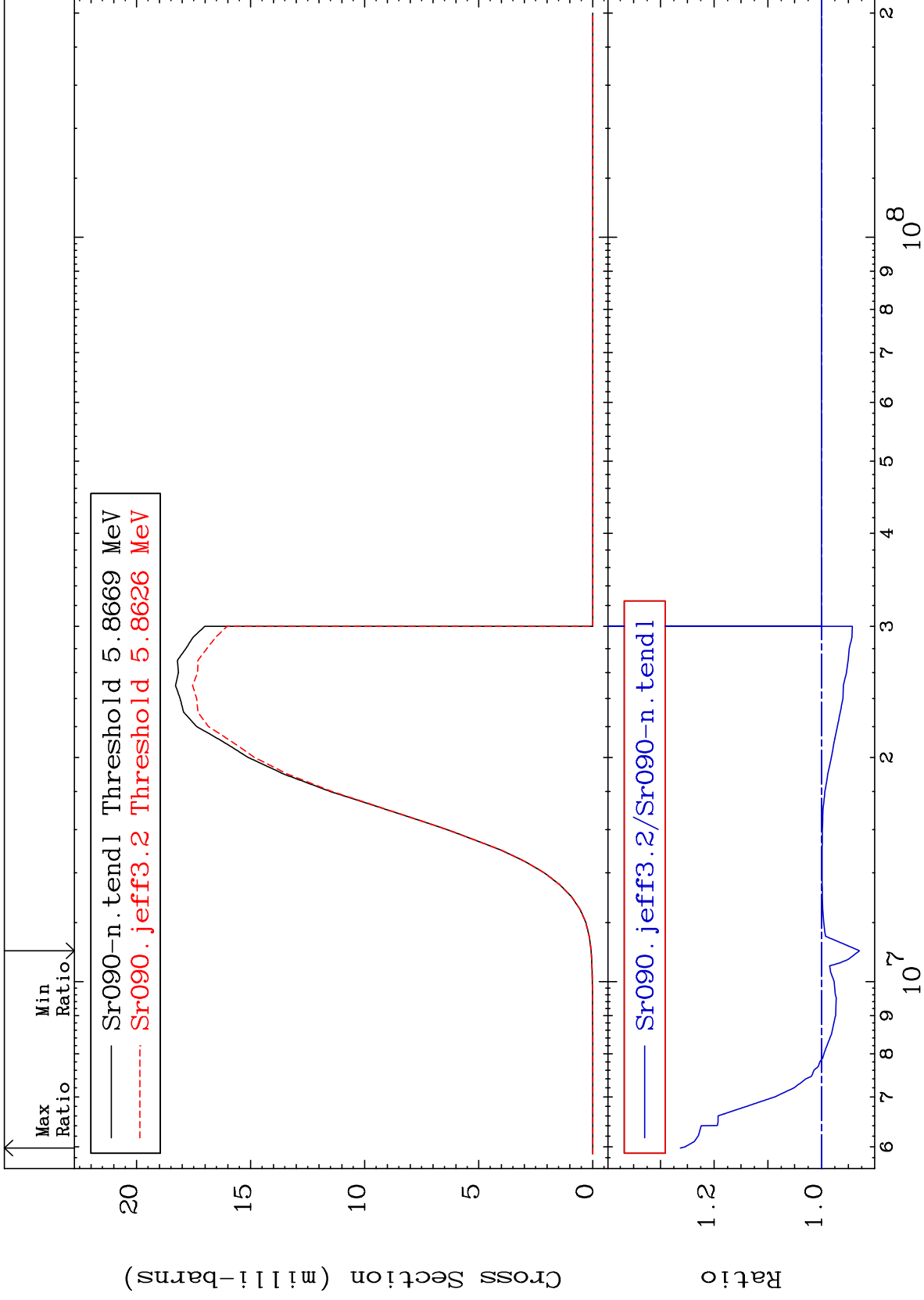
-100.0 To 9999. %



MAT 3843

(n,p)
Cross Section

38-Sr-90
-7.075 To 26.30 %



50

Incident Energy (eV)

38-Sr-90

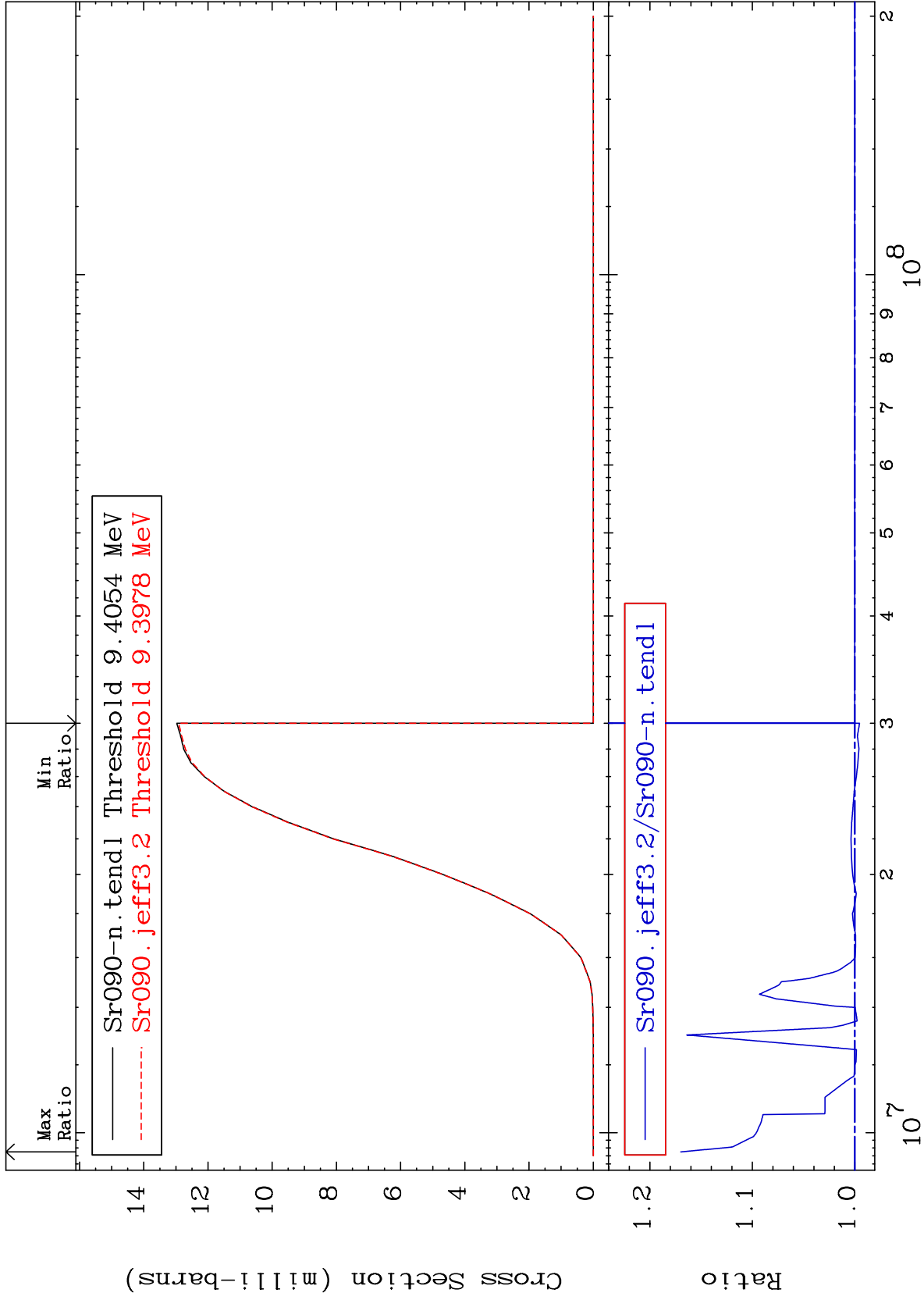
MAT 3843

(n, d)

³⁸Sr-⁹⁰

Cross Section

-0.458 To 16.98 %



51

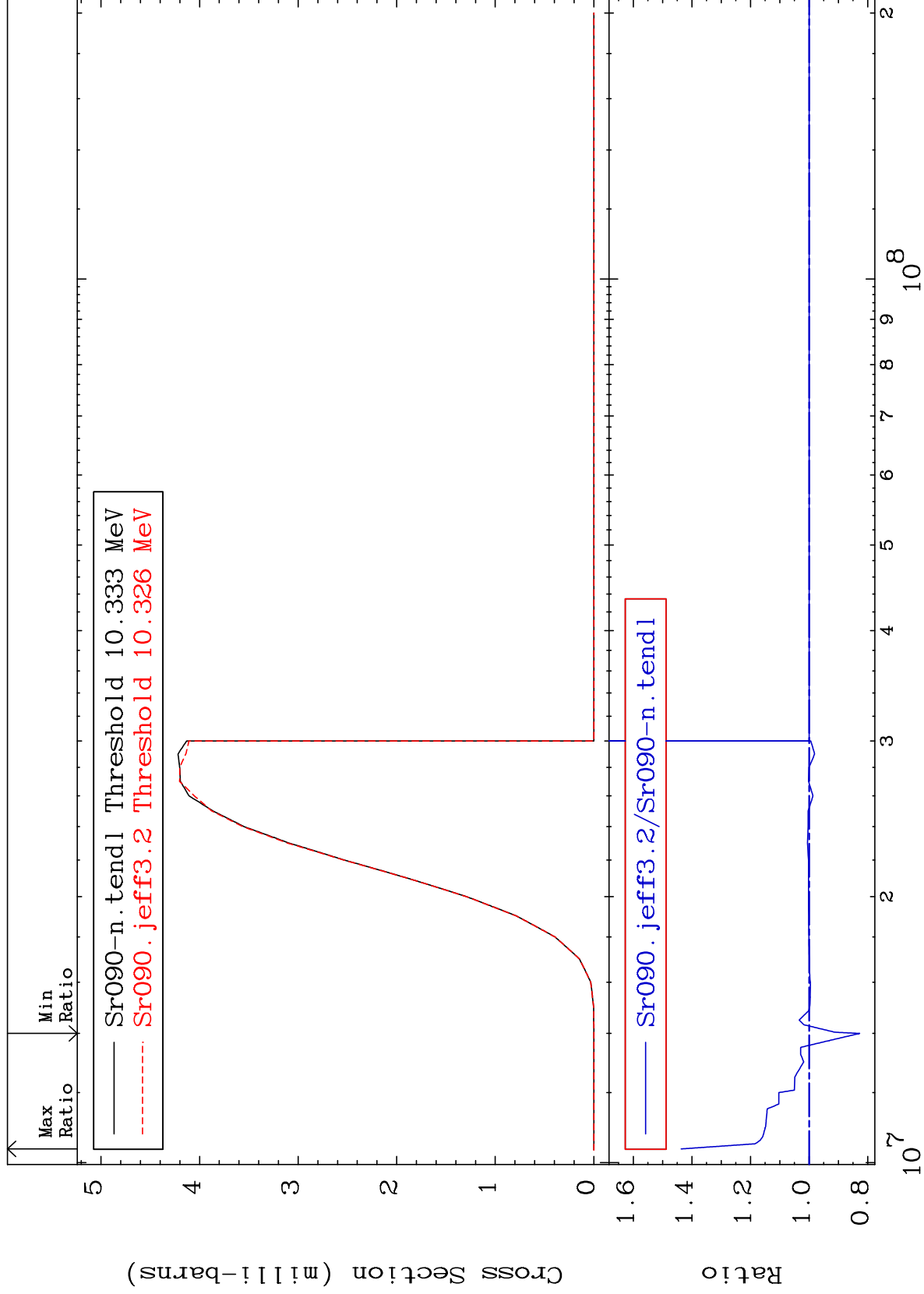
Incident Energy (eV)

³⁸Sr-⁹⁰

MAT 3843

(n, t)
Cross Section

38-Sr-90
-17.25 To 43.66 %



52

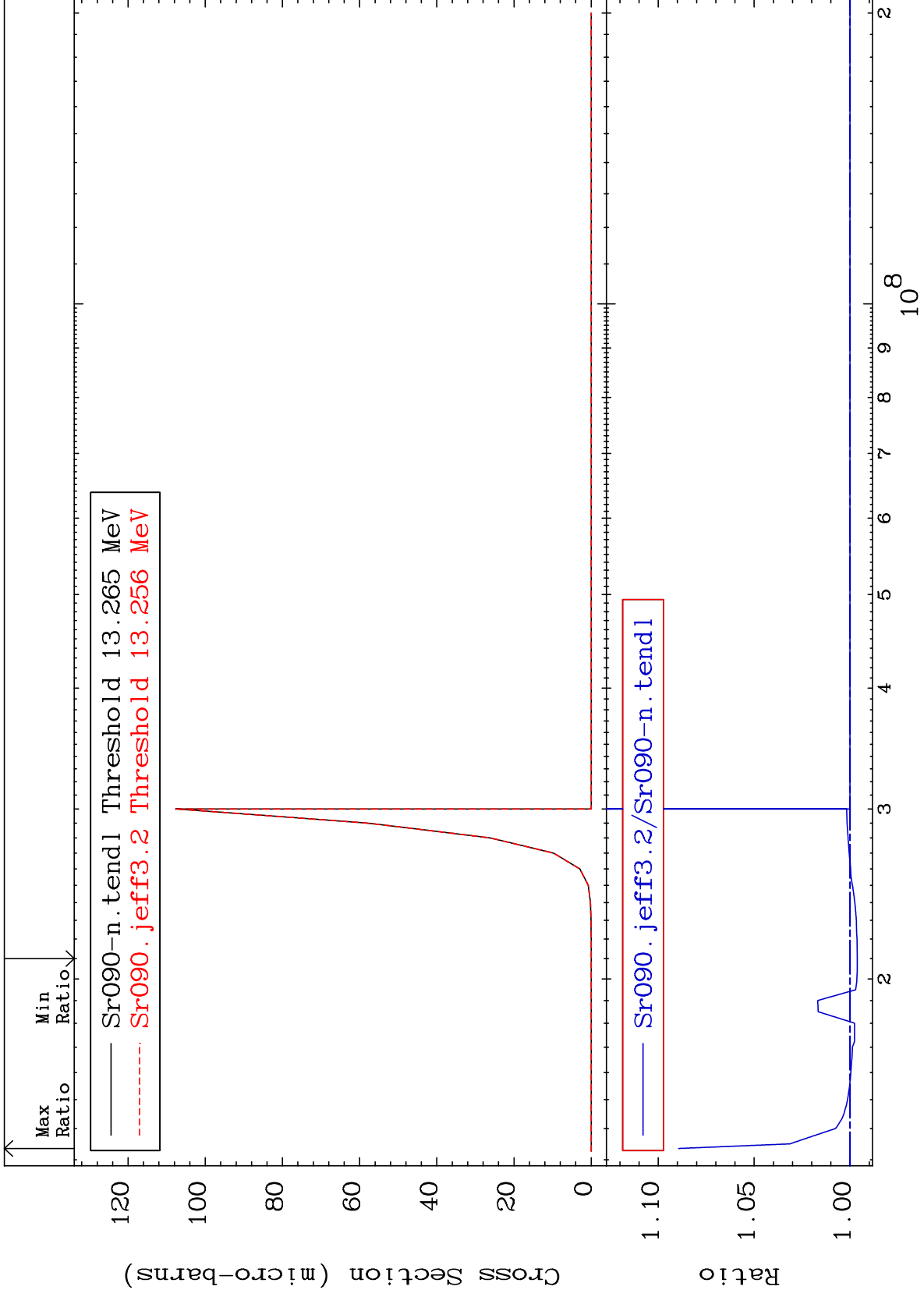
Incident Energy (eV)

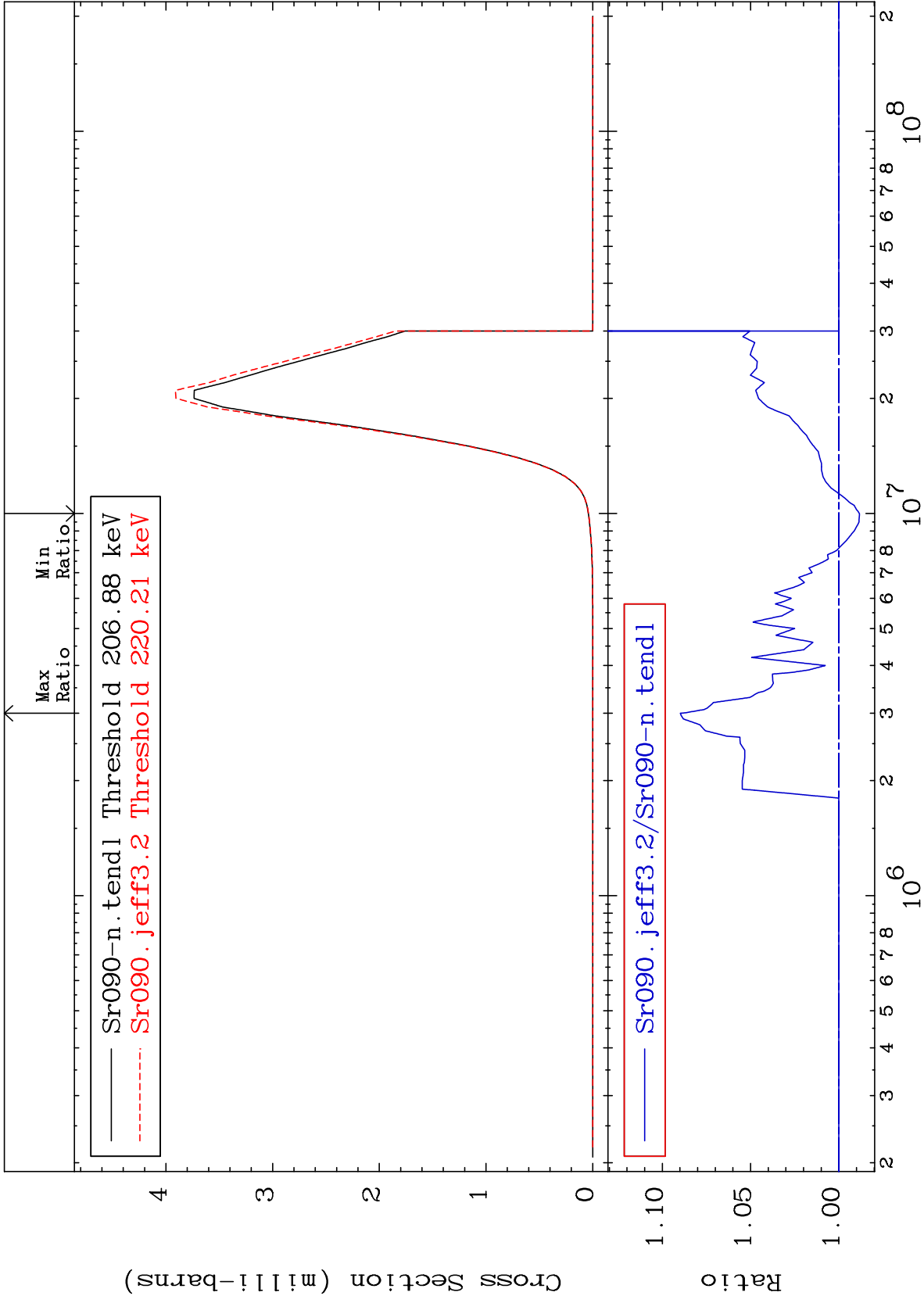
38-Sr-90

MAT 3843

(n, He-3)
Cross Section

38-Sr-90
-0.375 To 8.937 %





MAT 3843

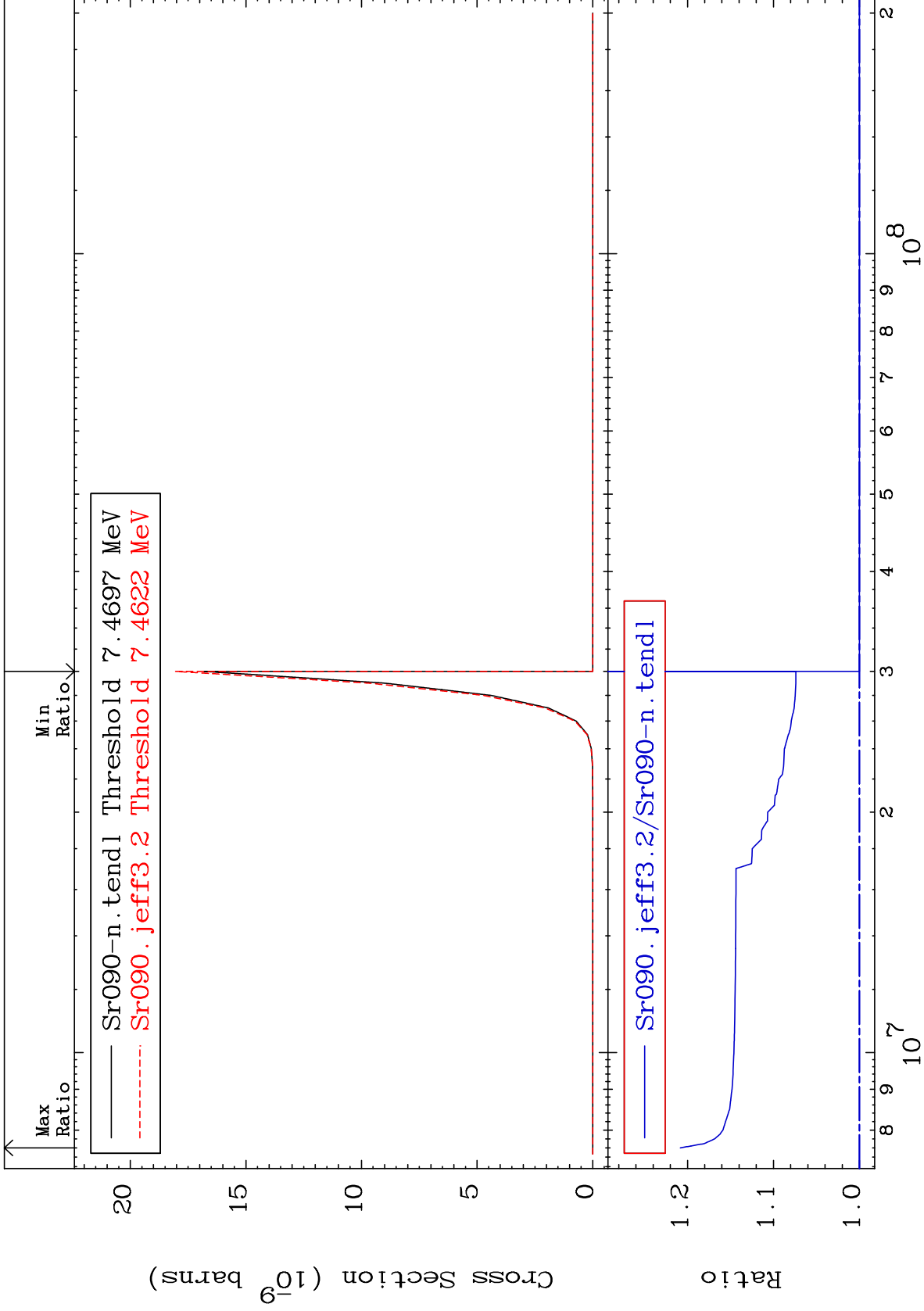
(n,2α)

38-Sr-90

Cross Section

0.000

To 20.83 %



55

Incident Energy (eV)

38-Sr-90

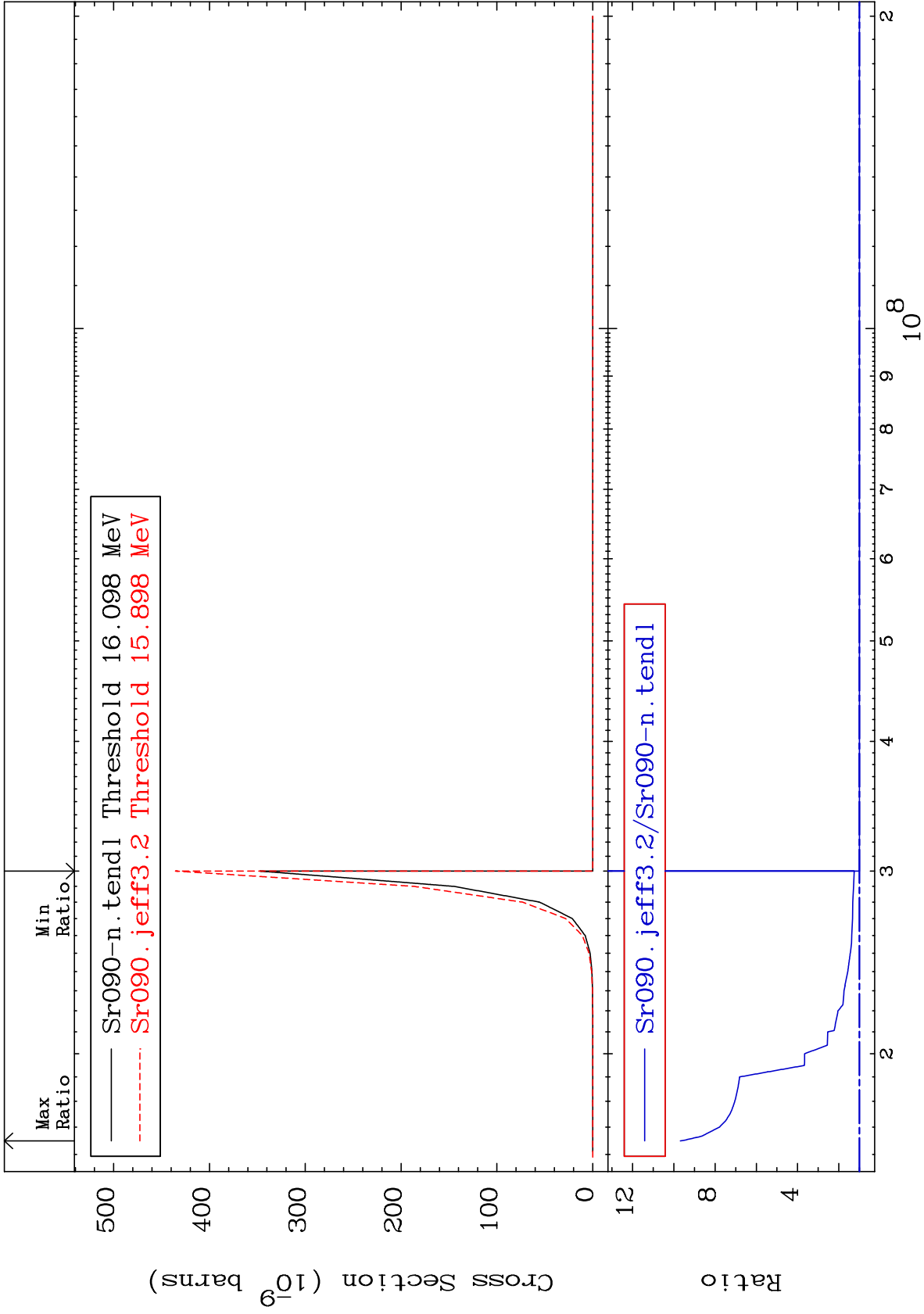
MAT 3843

(n,2p)

³⁸Sr-90

Cross Section

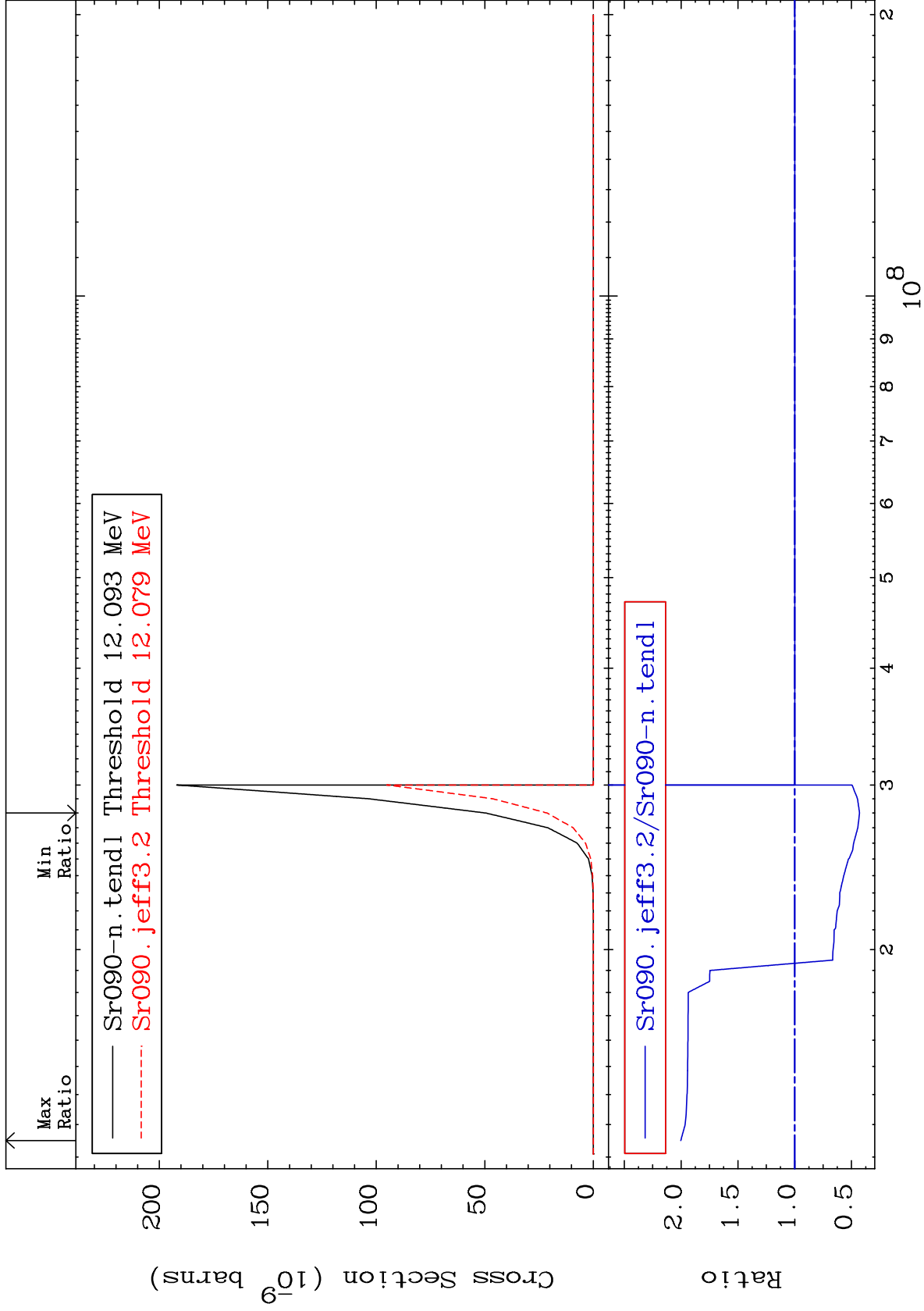
0.000 To 868.5 %



MAT 3843

(n,p) α
Cross Section

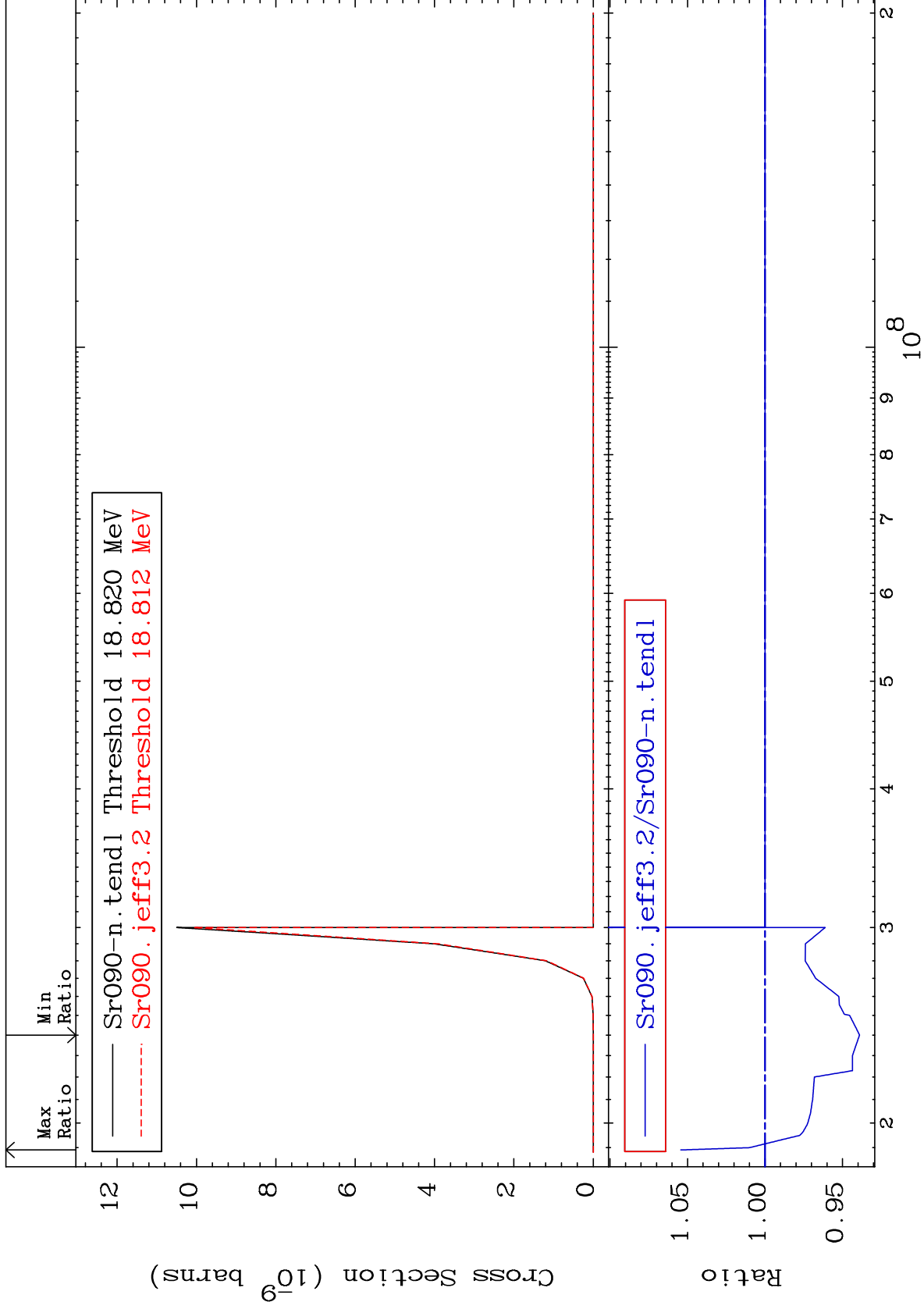
38-Sr-90
-57.07 To 100.3 %



MAT 3843

(n,p) d
Cross Section

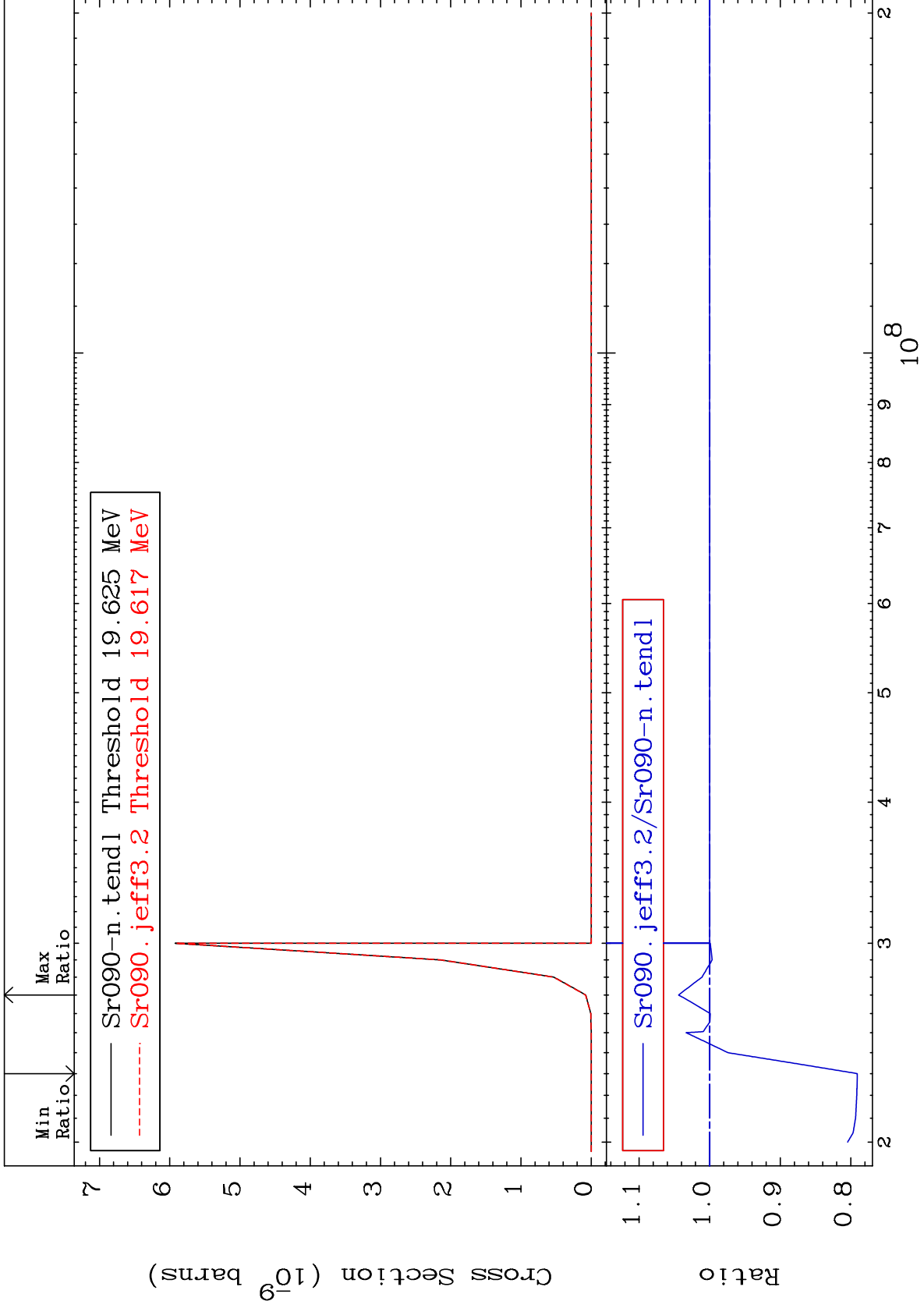
38-Sr-90
-6.101 To 5.436 %



MAT 3843

(n,p) t
Cross Section

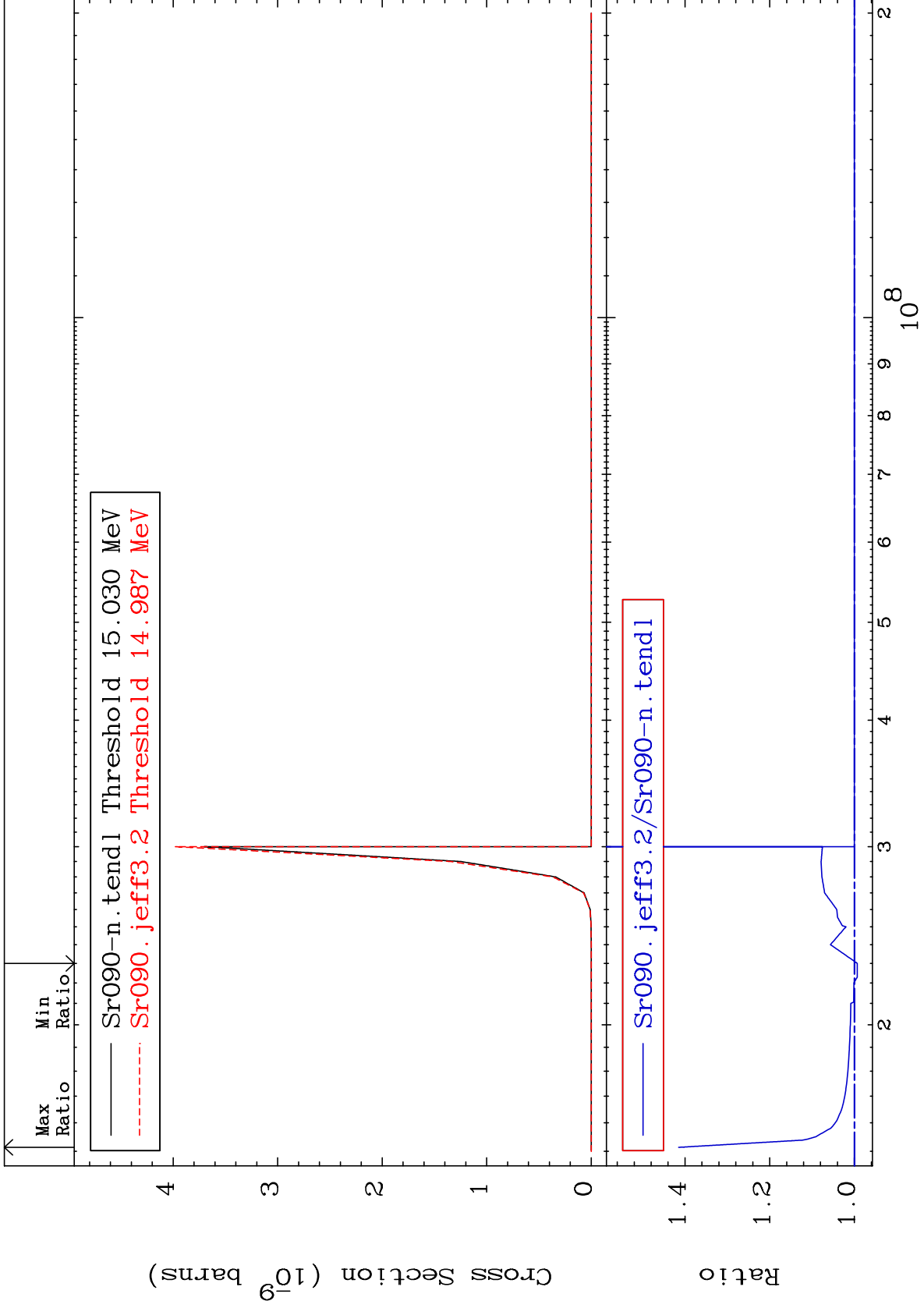
38-Sr-90
-20.90 To 4.393 %



MAT 3843

(n, d) α
Cross Section

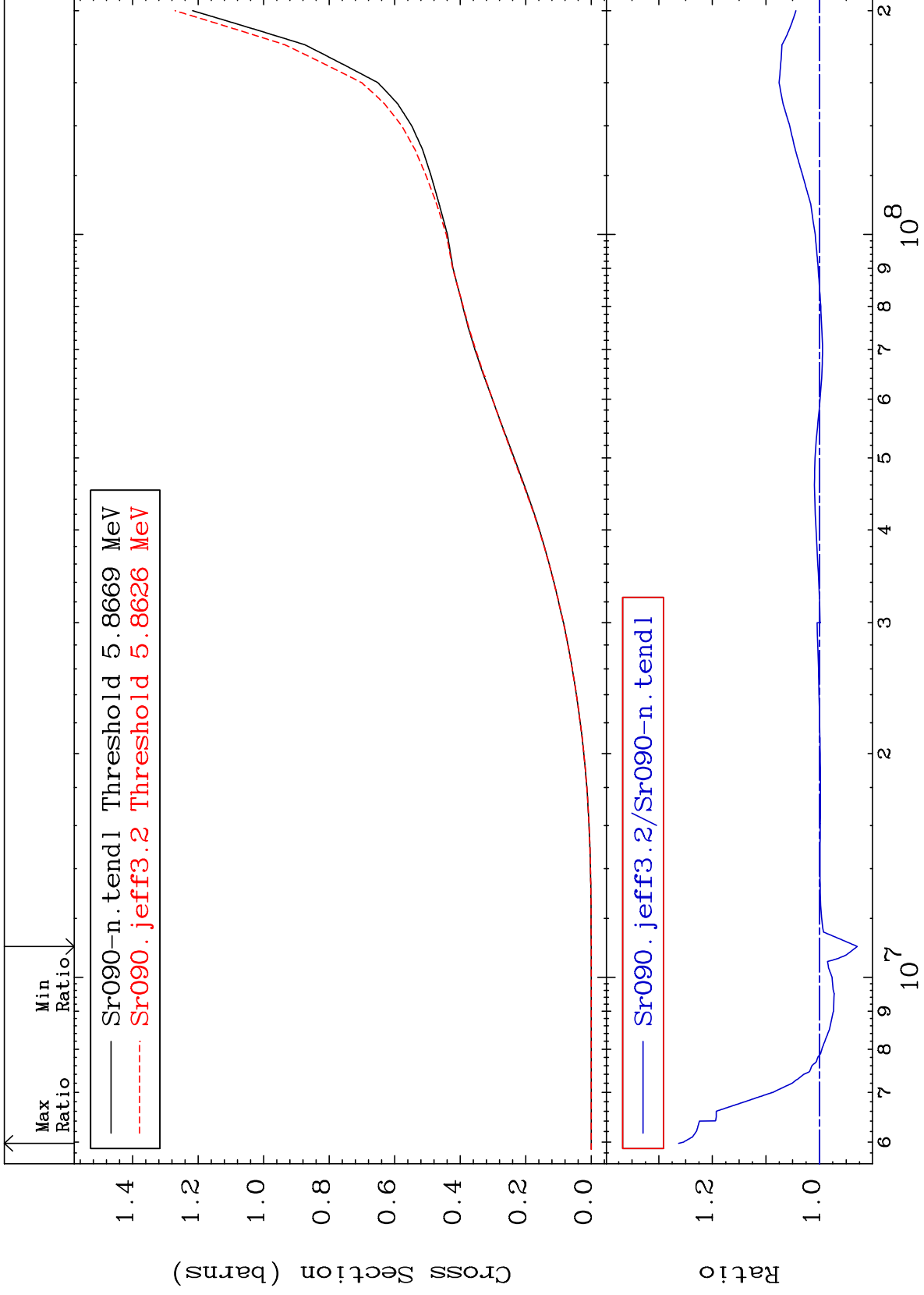
38-Sr-90
-0.671 To 41.51 %



MAT 3843

Hydrogen Production
Cross Section

38-Sr-90
-7.075 To 26.30 %



61

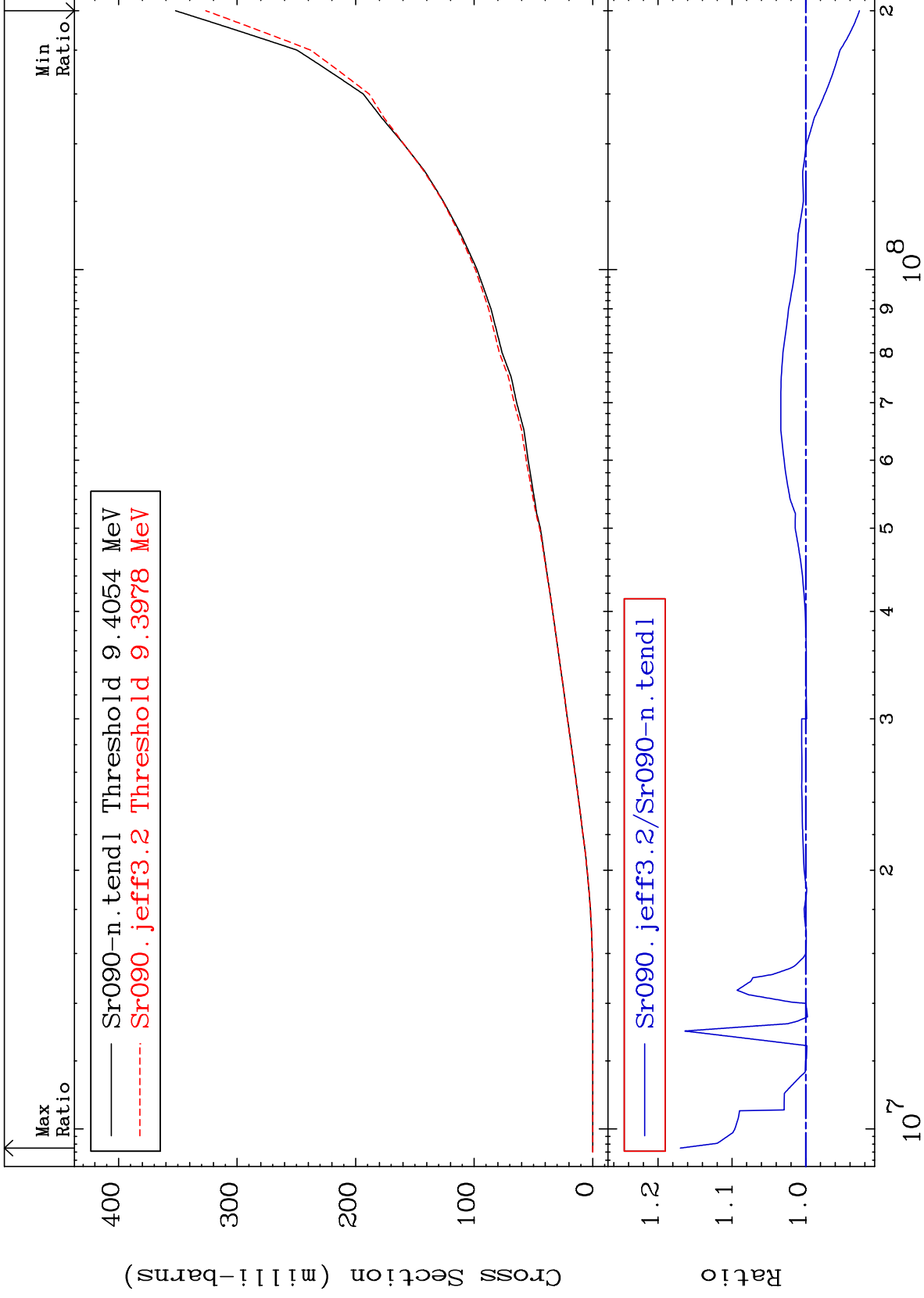
Incident Energy (eV)

38-Sr-90

MAT 3843

Deuterium Production
Cross Section

38-Sr-90
-7.268 To 16.98 %



62

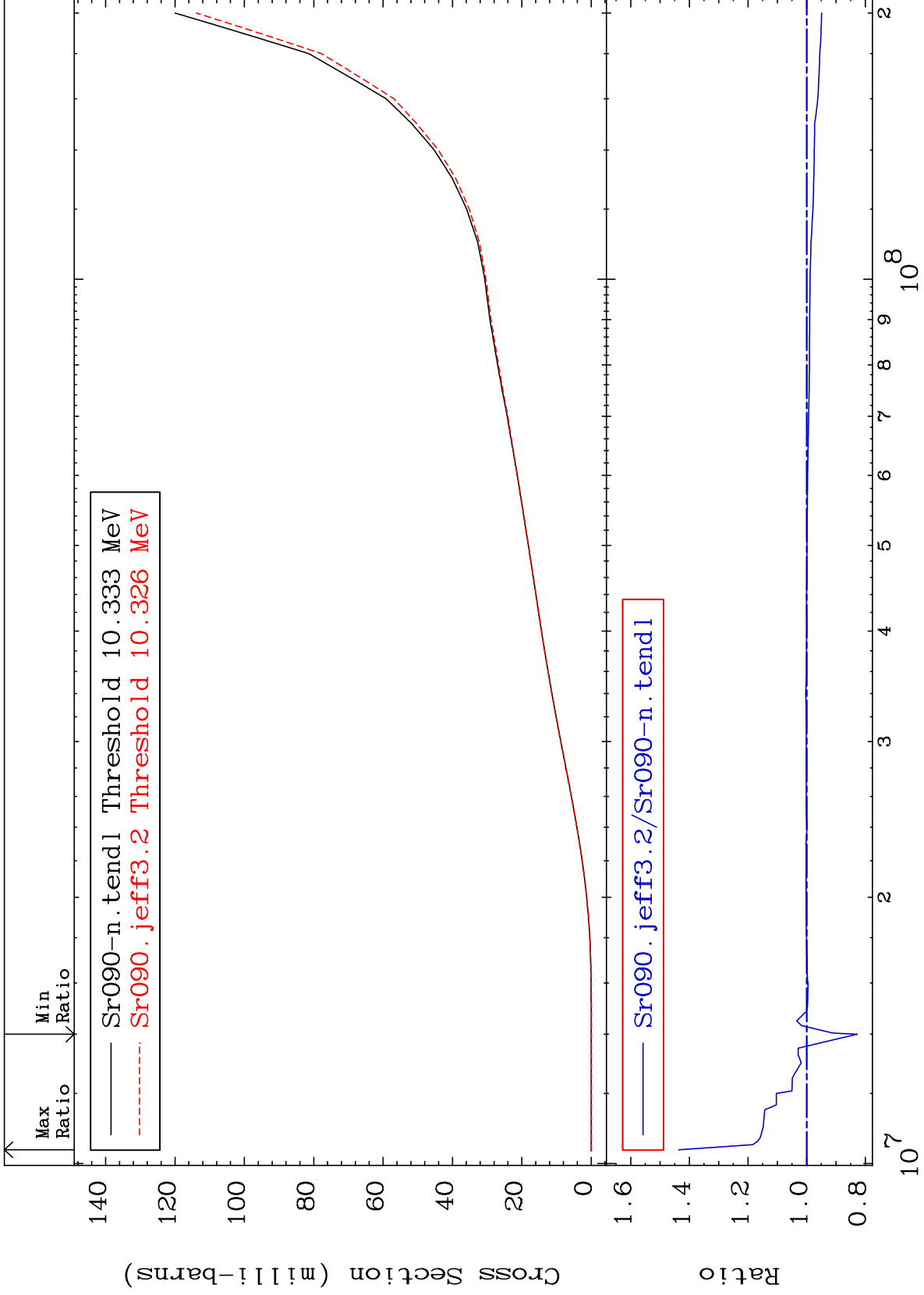
Incident Energy (eV)

38-Sr-90

MAT 3843

Tritium Production
Cross Section

³⁸Sr-90
-17.25 To 43.66 %



63

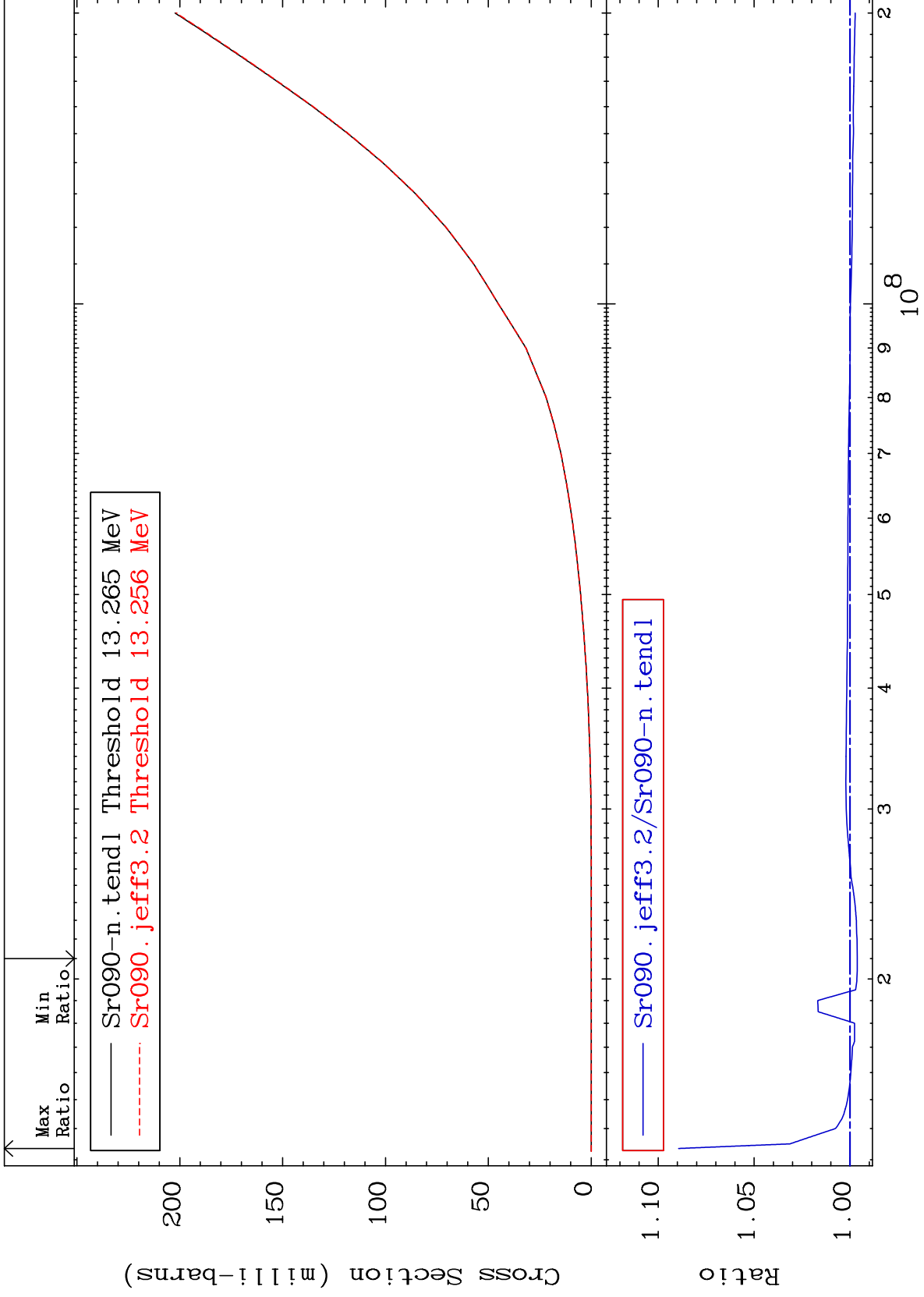
Incident Energy (eV)

³⁸Sr-90

MAT 3843

He-3 Production
Cross Section

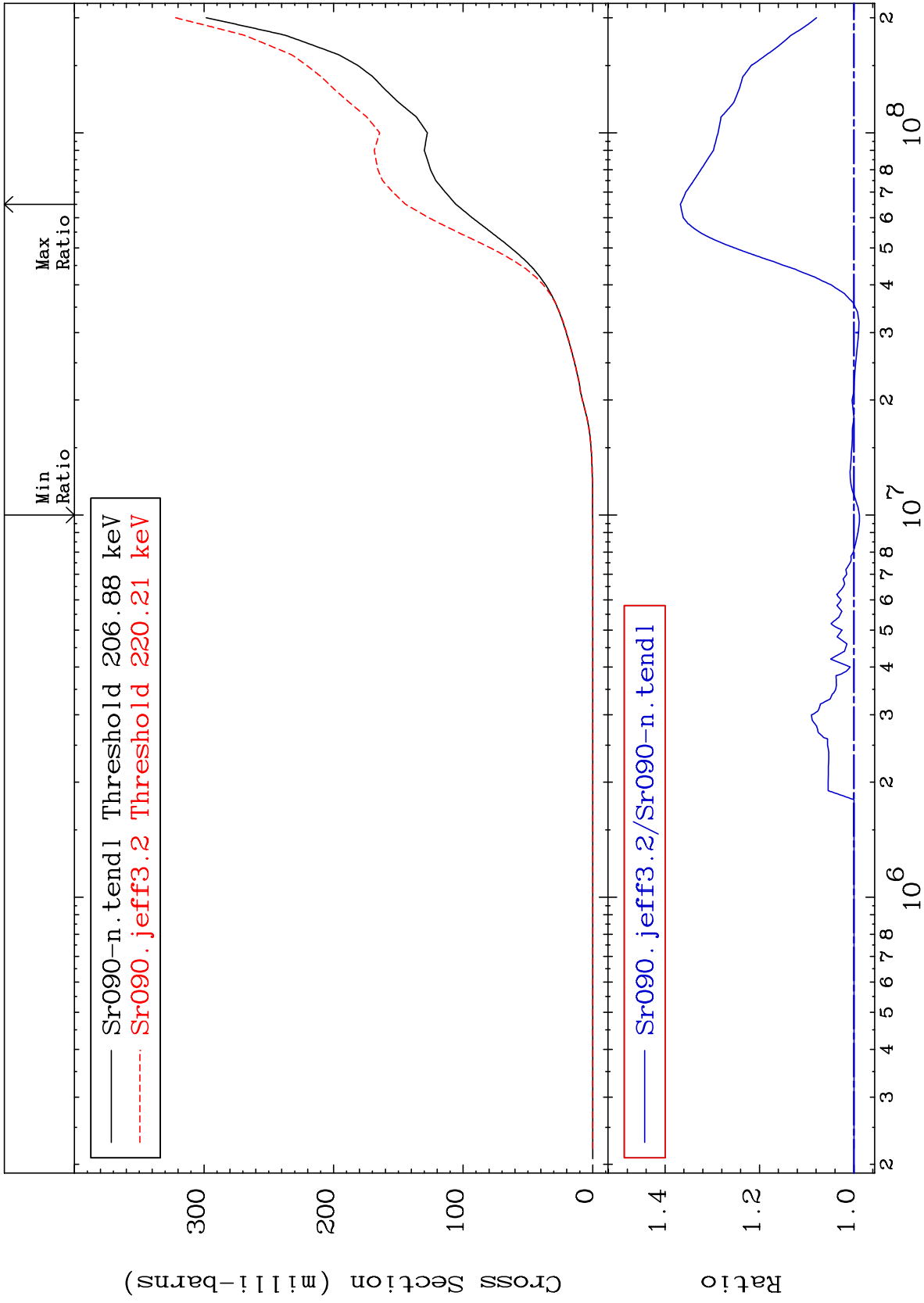
38-Sr-90
-0.375 To 8.937 %



MAT 3843

He-4 Production
Cross Section

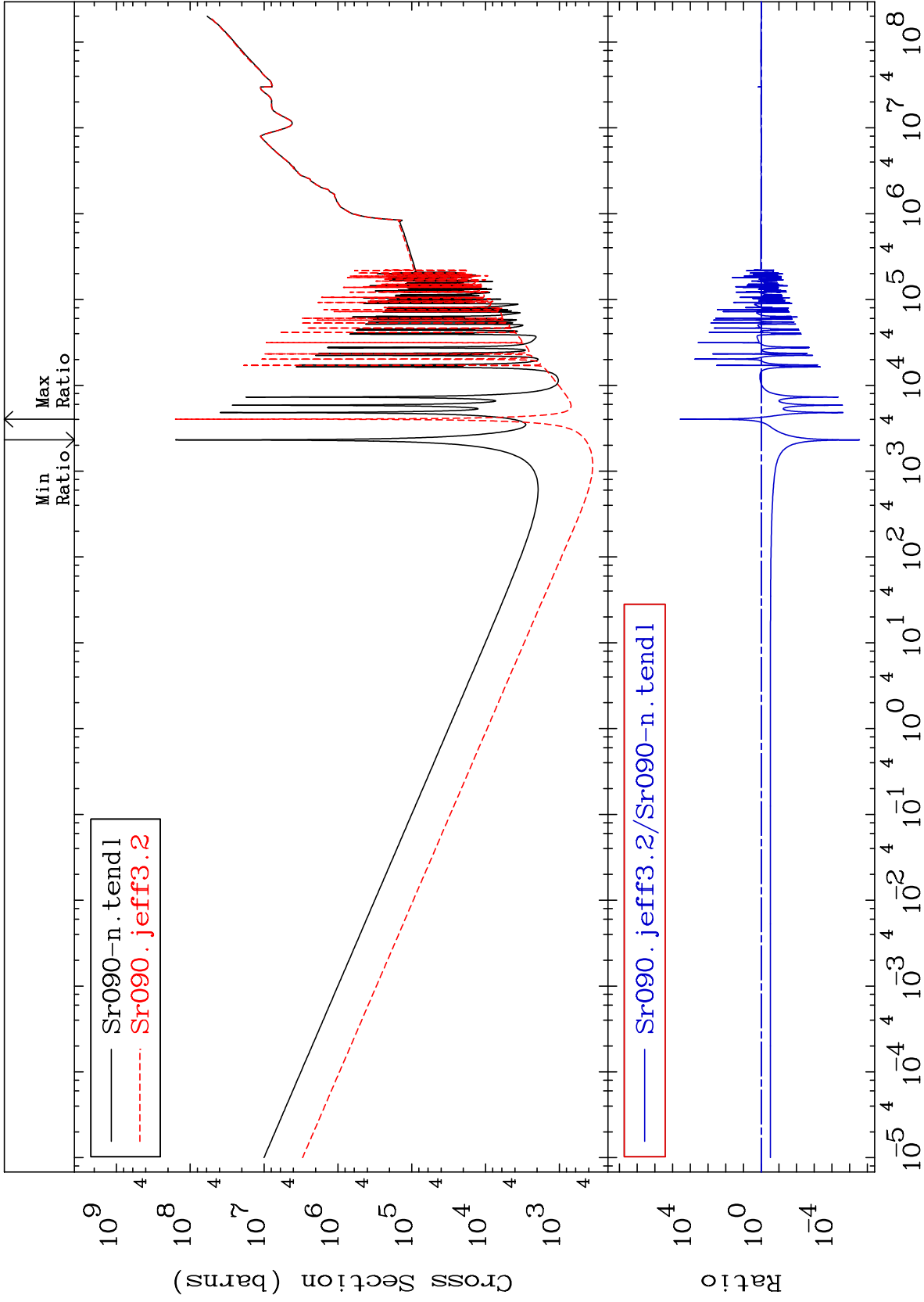
38-Sr-90
-1.167 To 36.76 %



65

Incident Energy (eV)

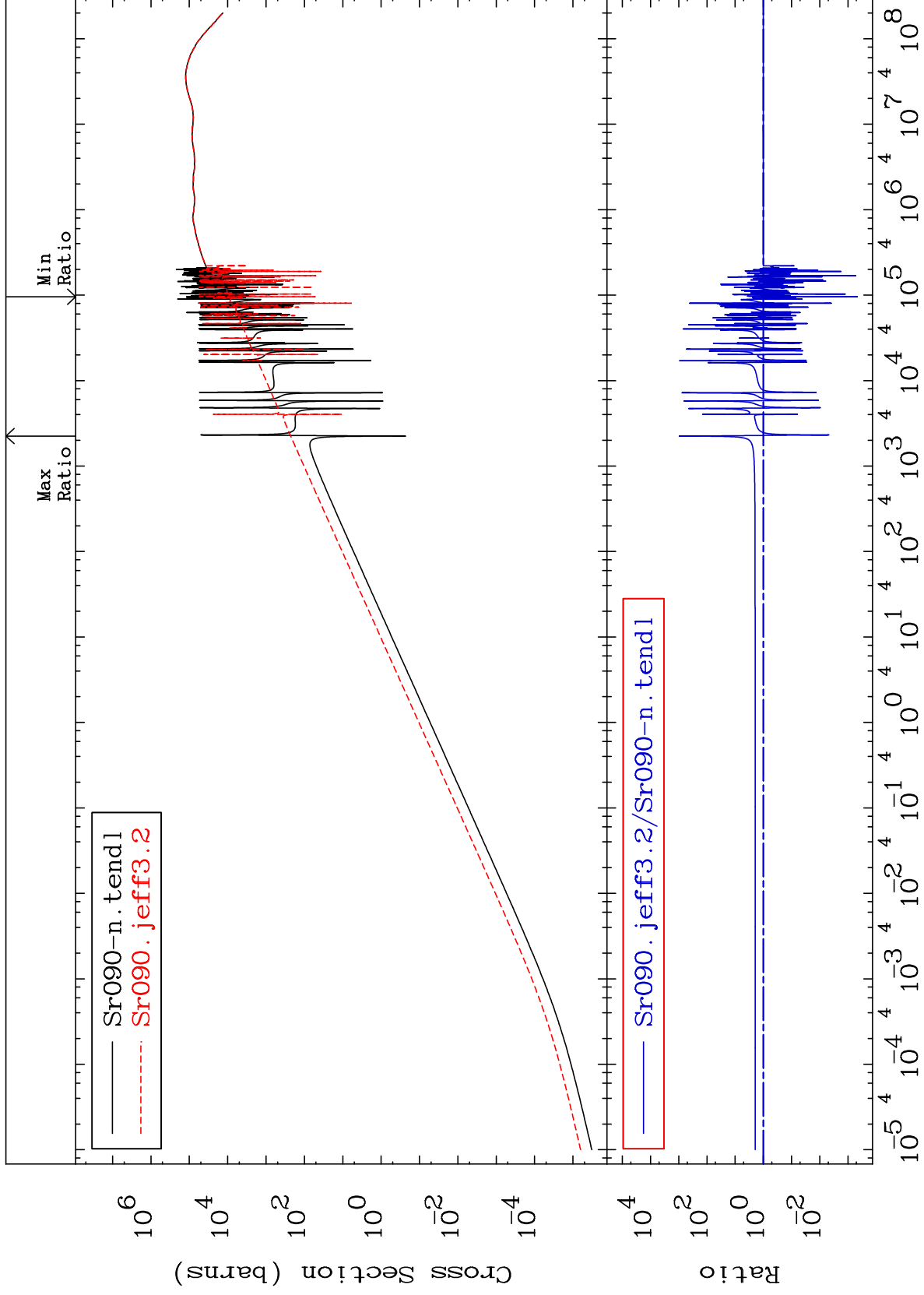
38-Sr-90

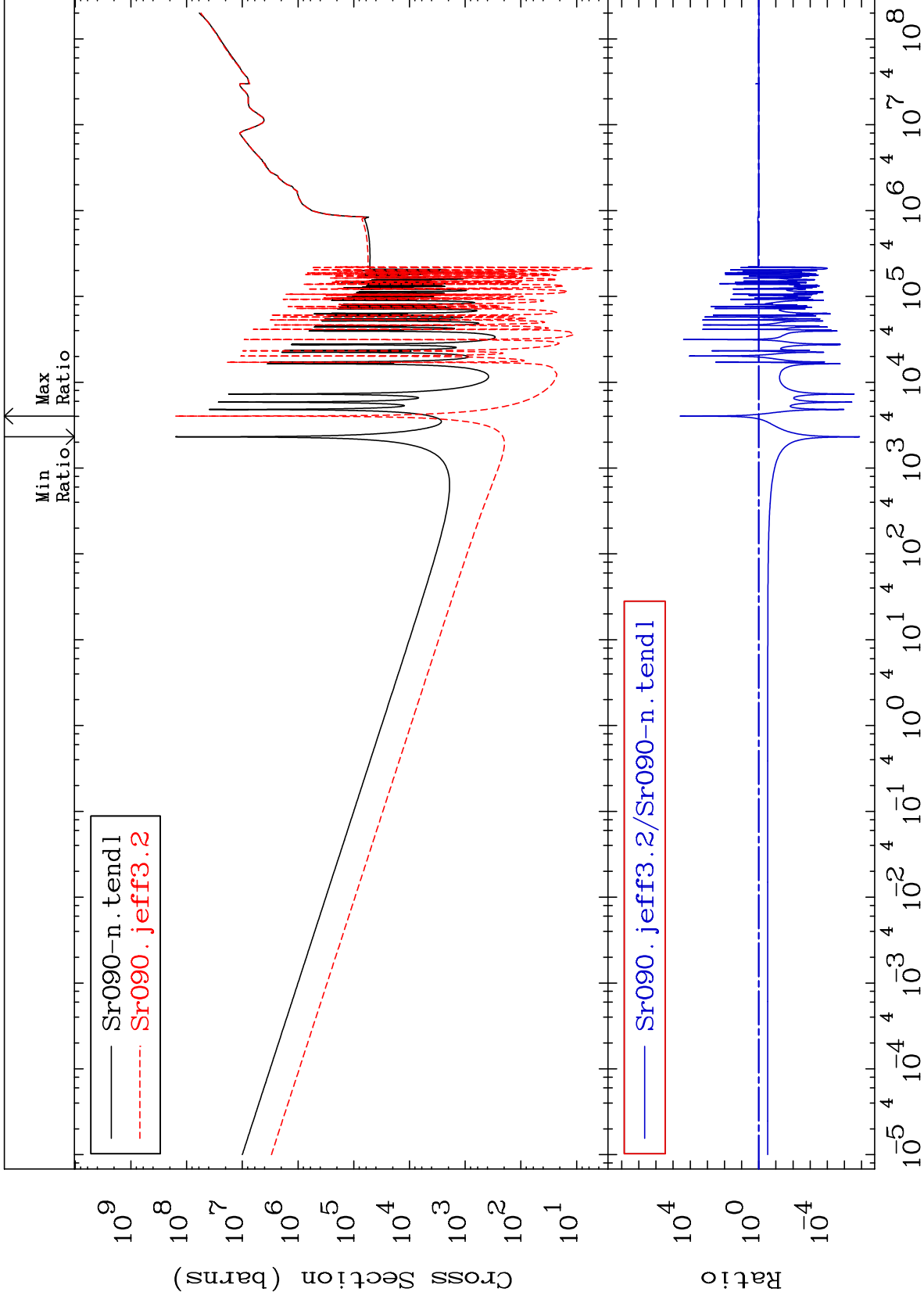


MAT 3843

Kerma elastic
Cross Section

38-Sr-90
-99.95 To 9999. %

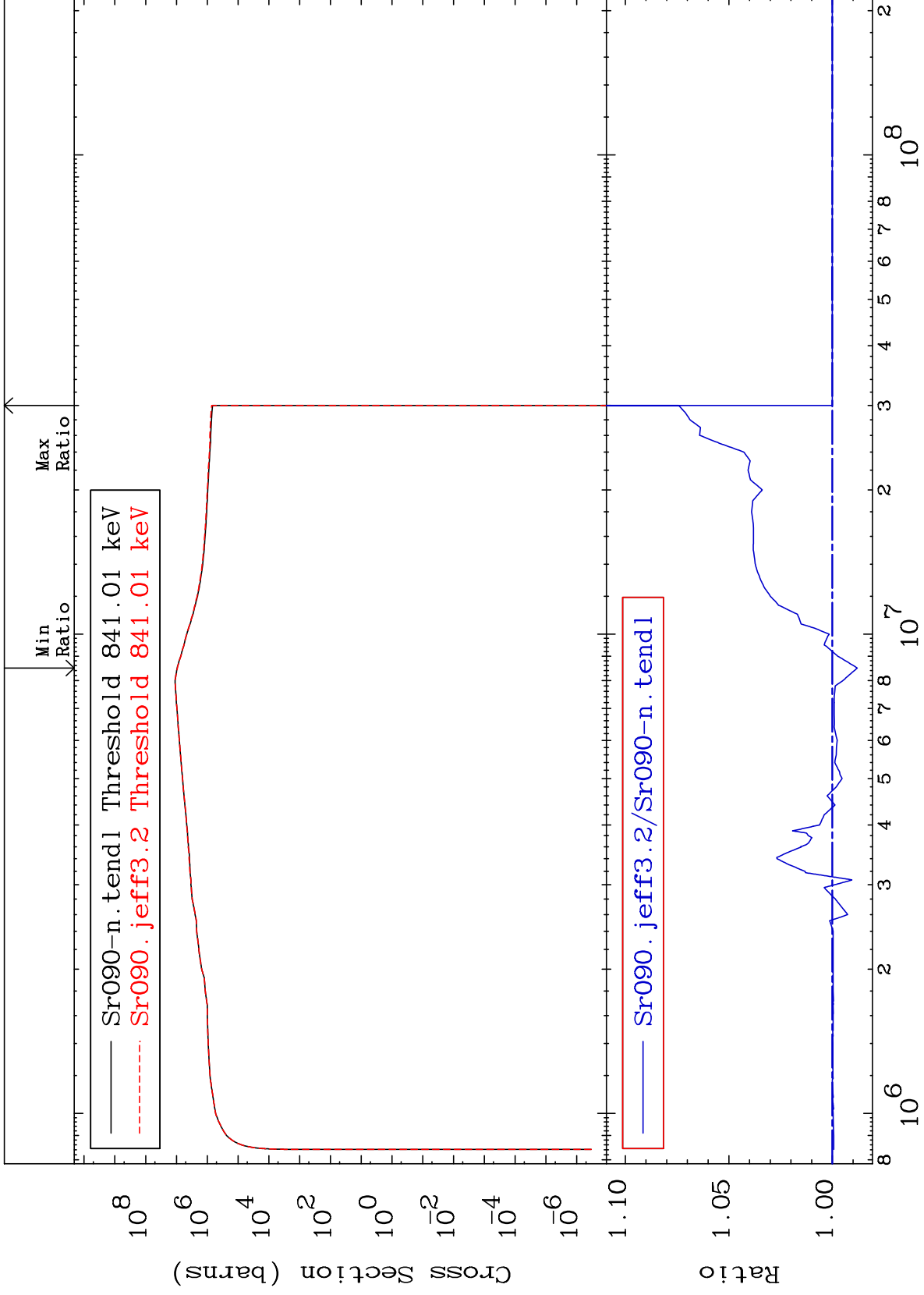




MAT 3843

Kerma inelastic (mt51-91)
Cross Section

38-Sr-90
-1.201 To 7.424 %



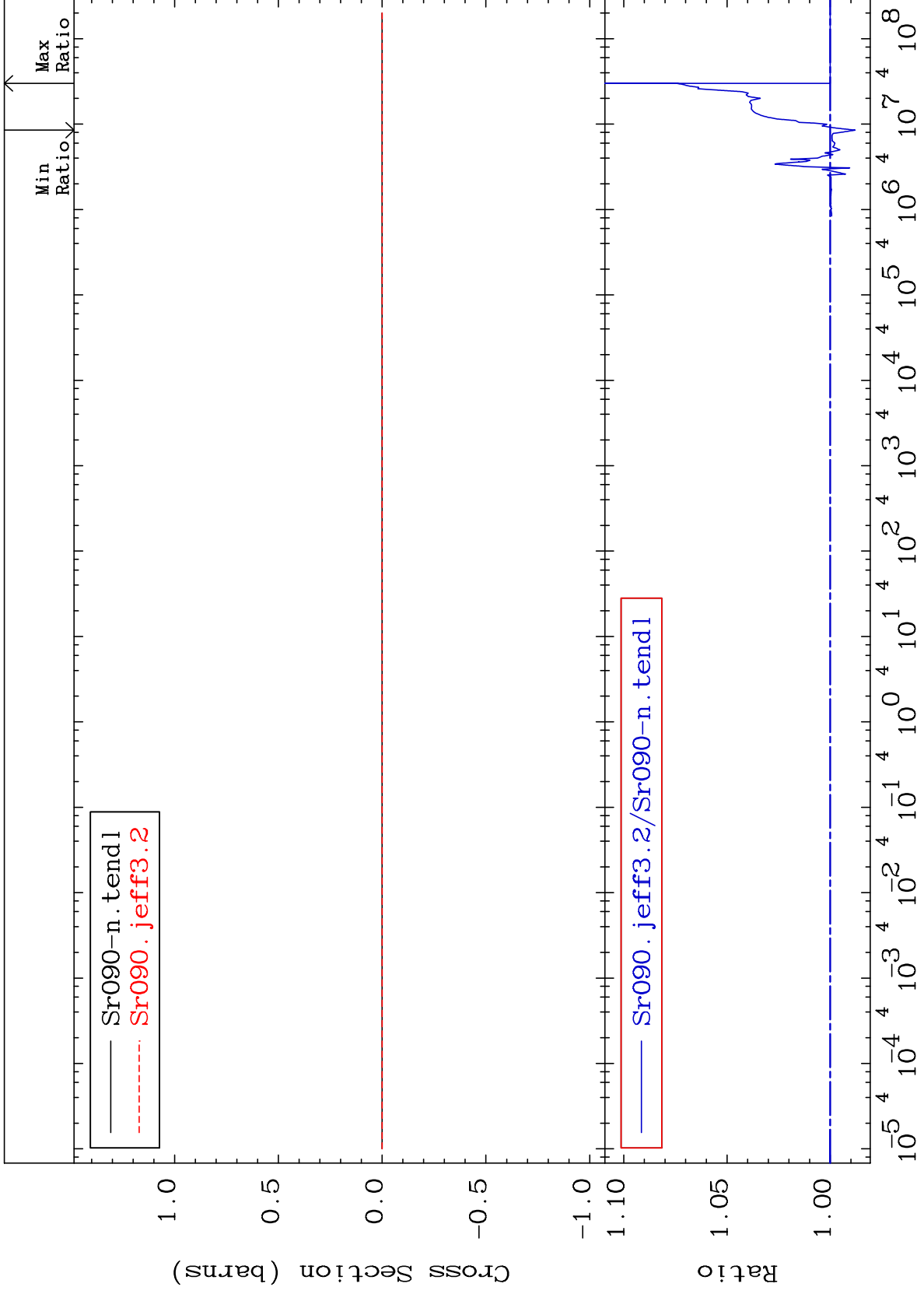
69

38-Sr-90

MAT 3843

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

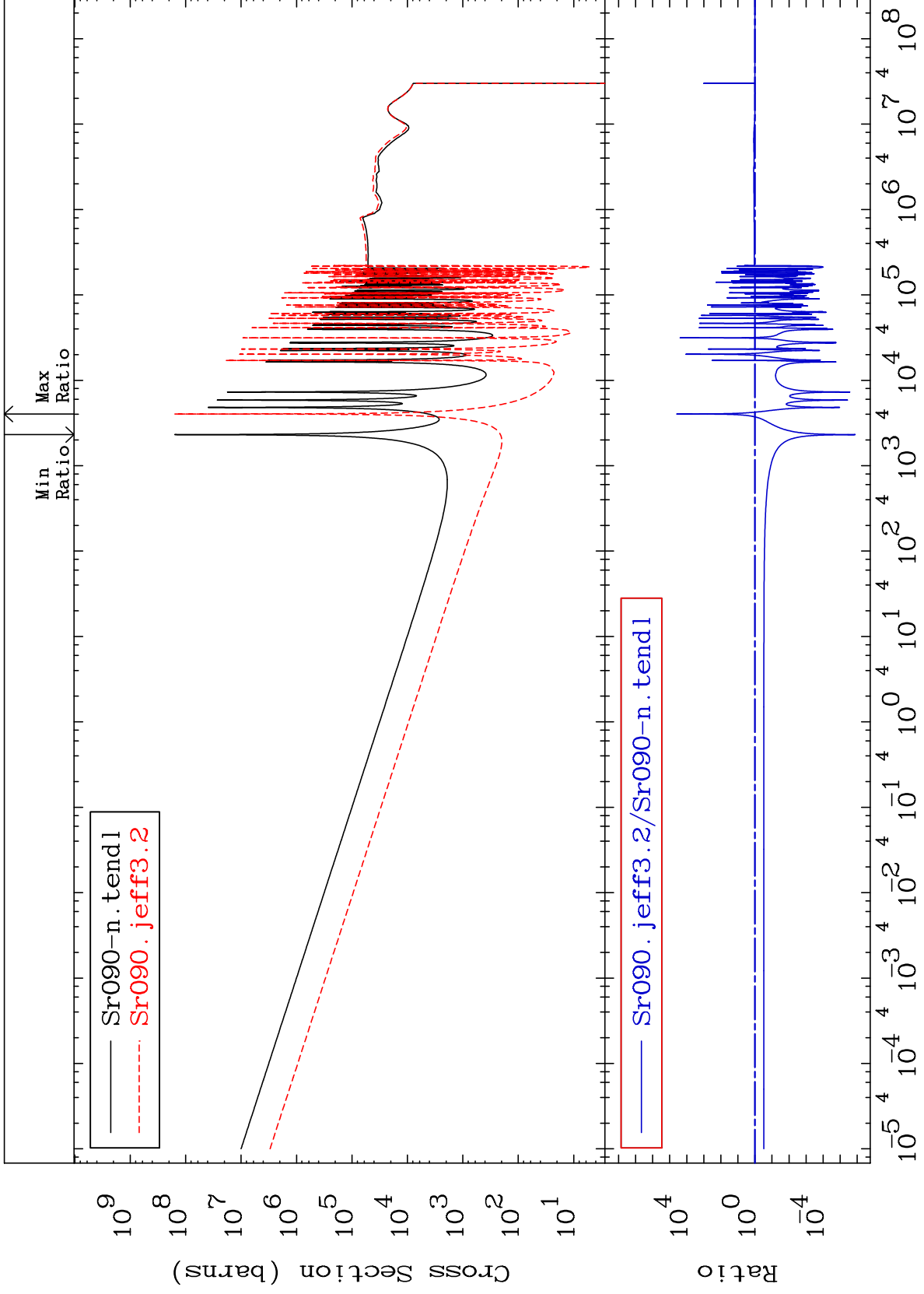
38-Sr-90
-1.201 To 7.424 %



MAT 3843

Kerma capture (mt102)
Cross Section

38-Sr-90
-100.0 To 9999. %



71

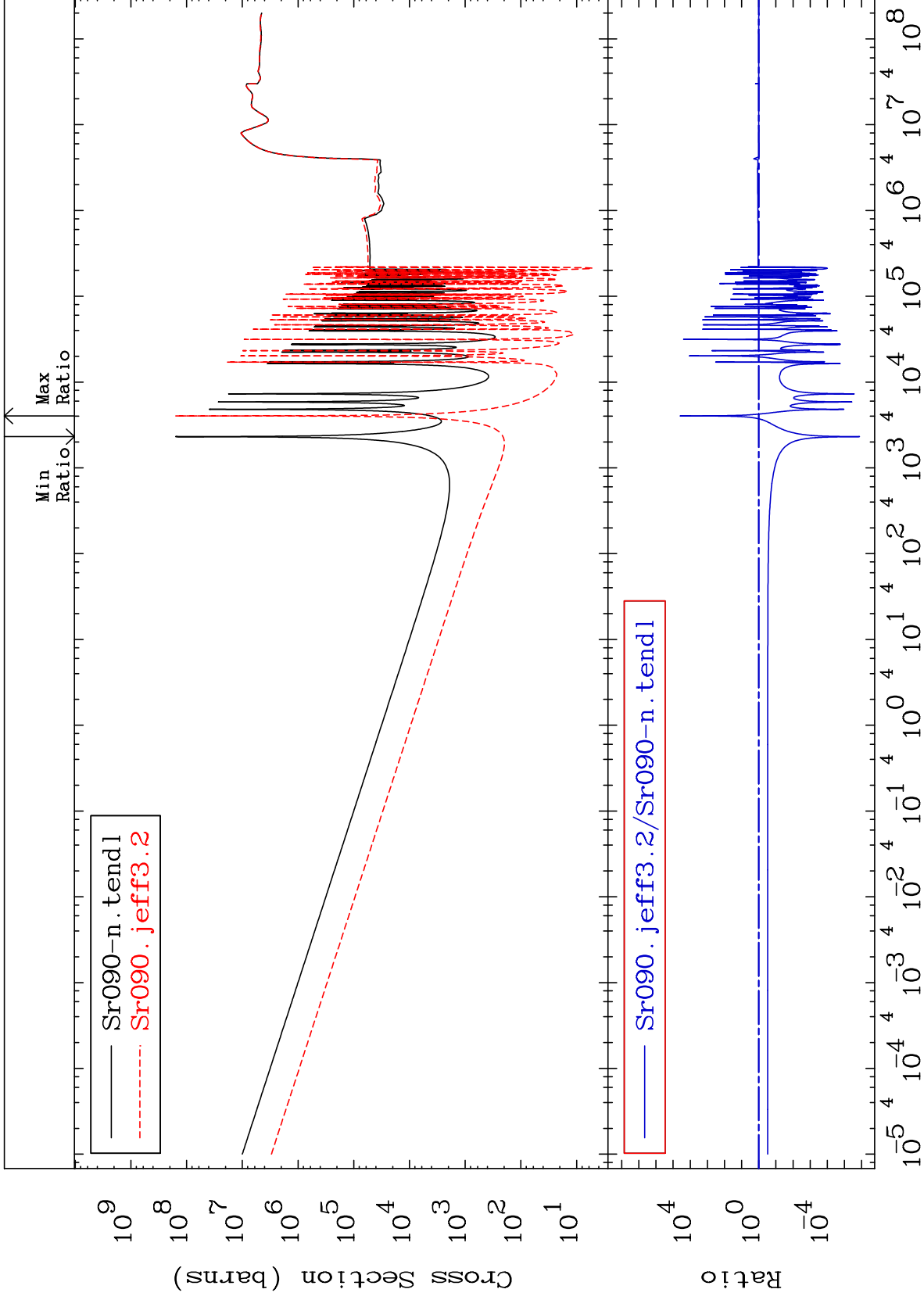
Incident Energy (eV)

38-Sr-90

MAT 3843

Total photon (eV-barns)
Cross Section

38-Sr-90
-100.0 To 9999. %



72

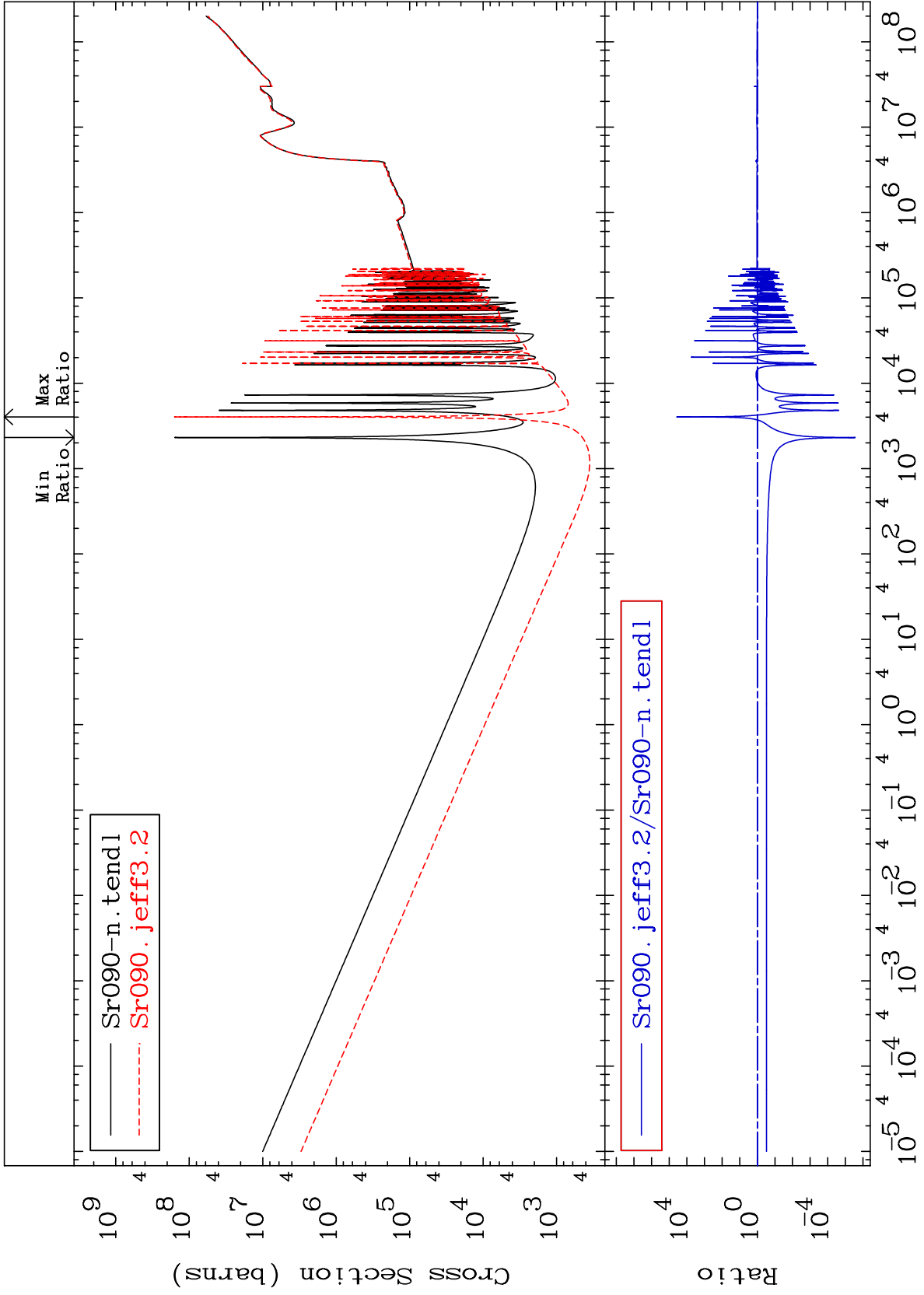
Incident Energy (eV)

38-Sr-90

MAT 3843

Total kinematic kerma (high limit)
Cross Section

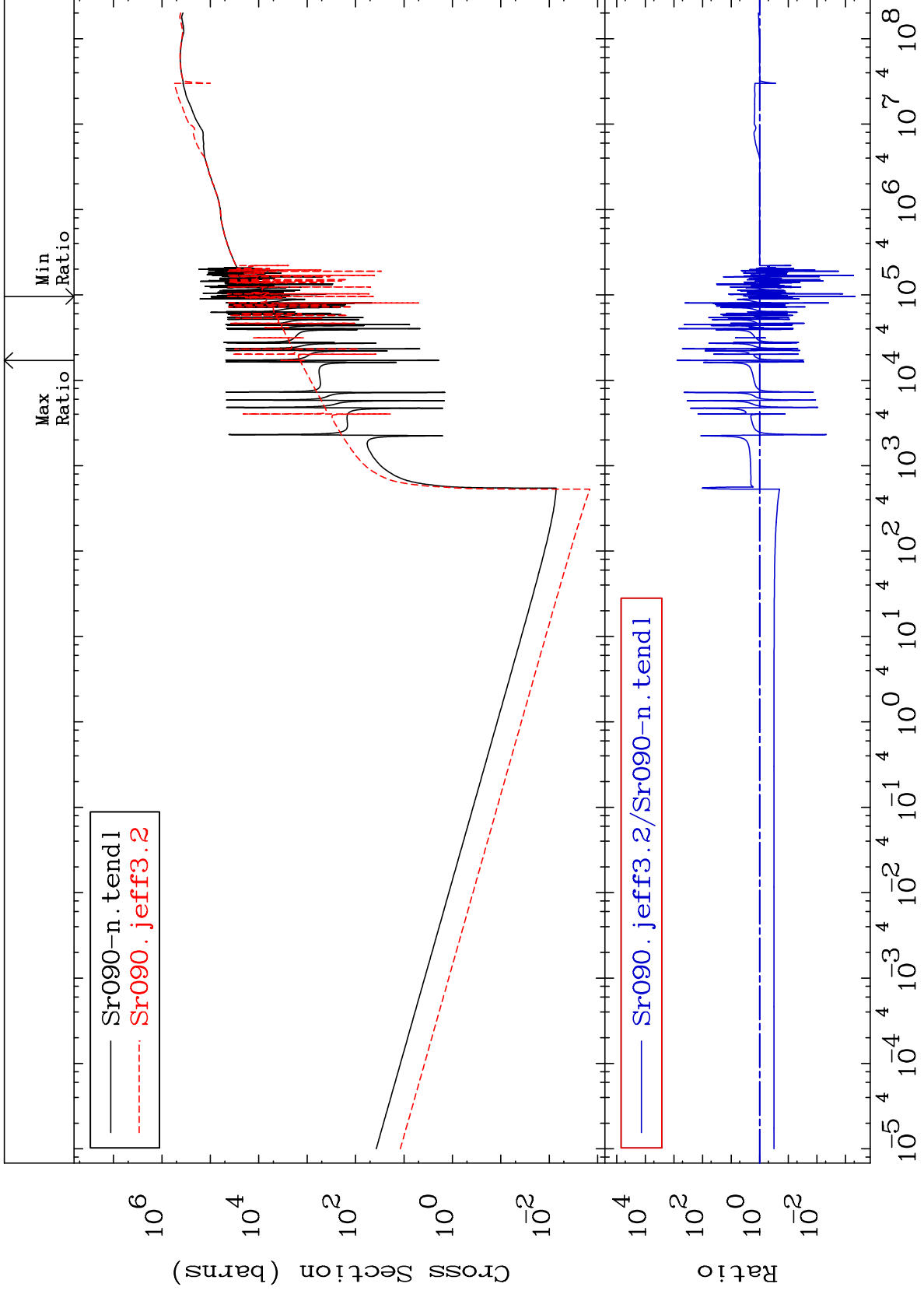
38-Sr-90
-100.0 To 9999. %



MAT 3843

Dpa total (eV-barns)
Cross Section

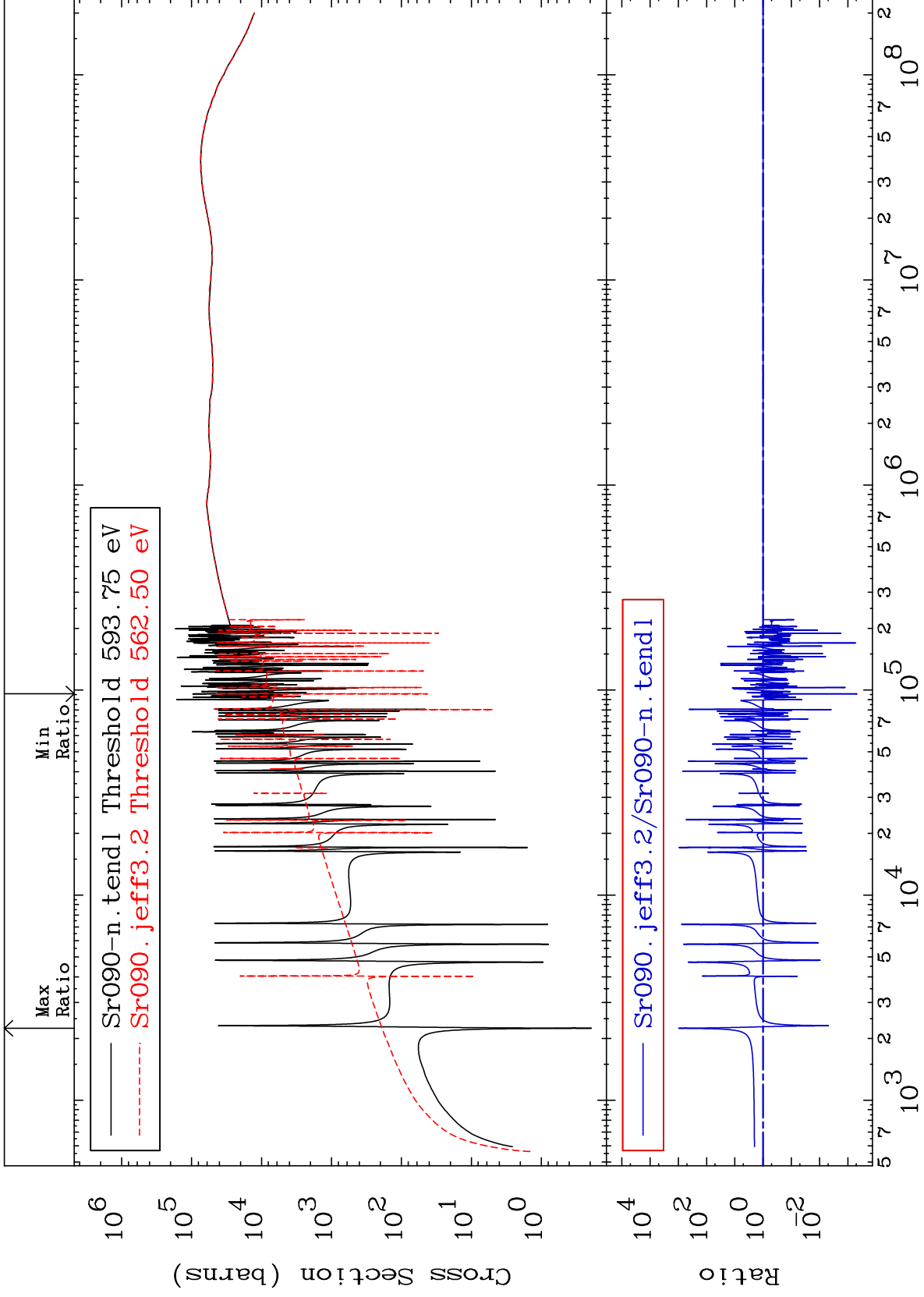
38-Sr-90
-99.95 To 9999. %



MAT 3843

Dpa elastic (mt2)
Cross Section

38-Sr-90
-99.95 To 9999. %



75

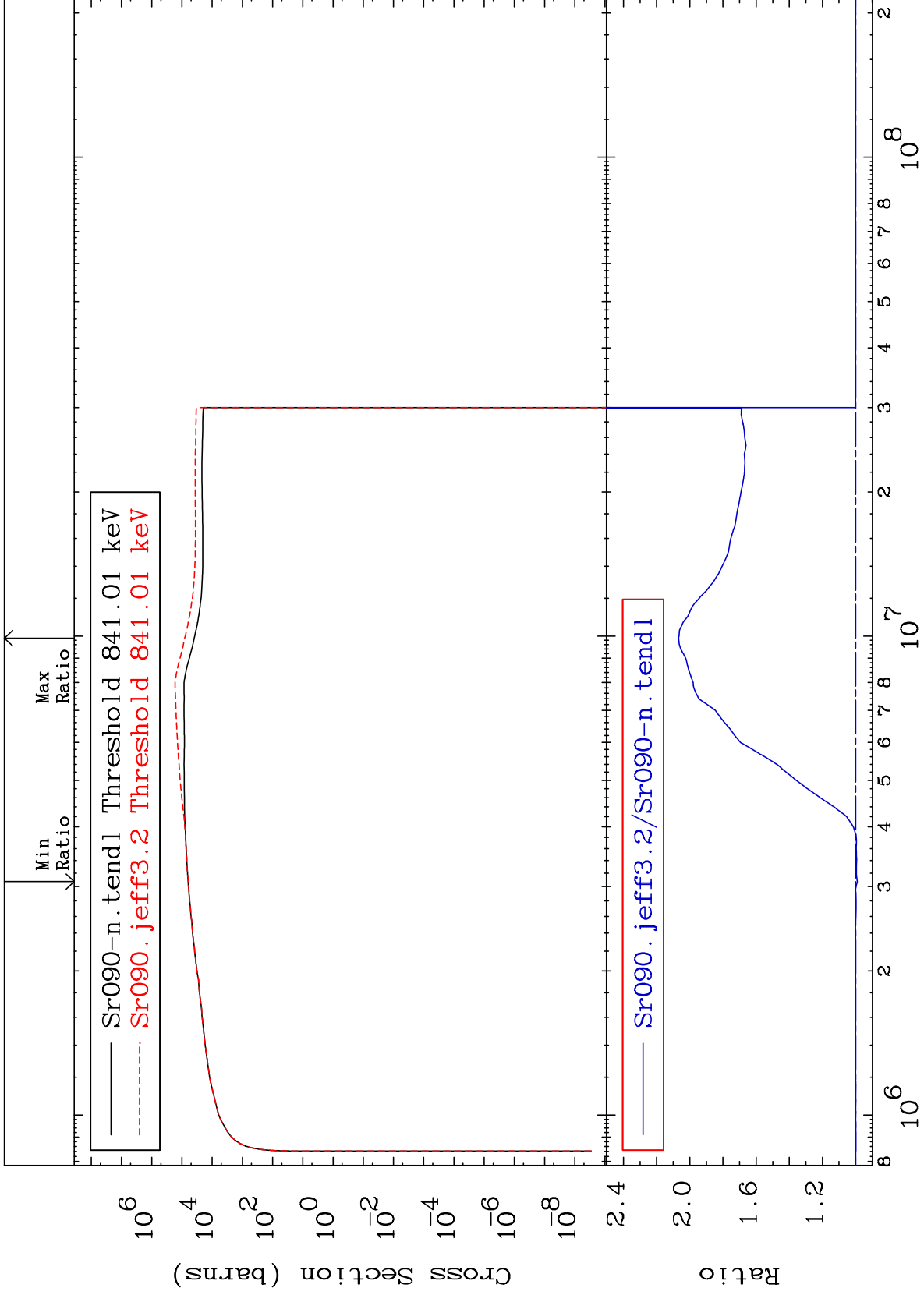
Incident Energy (eV)

38-Sr-90

MAT 3843

Dpa inelastic (mt51-91)
Cross Section

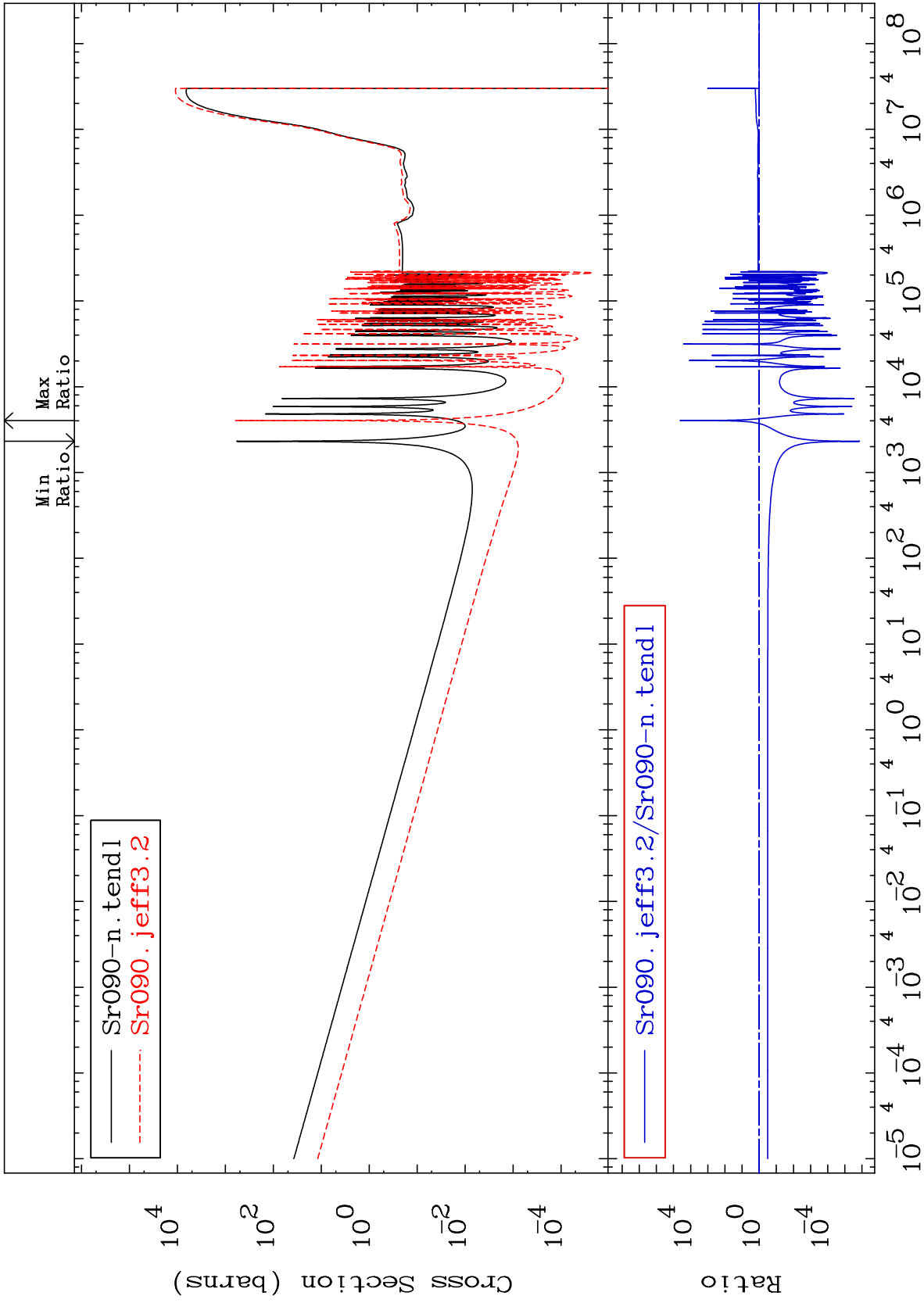
38-Sr-90
-0.986 To 106.7 %



76

Incident Energy (eV)

38-Sr-90

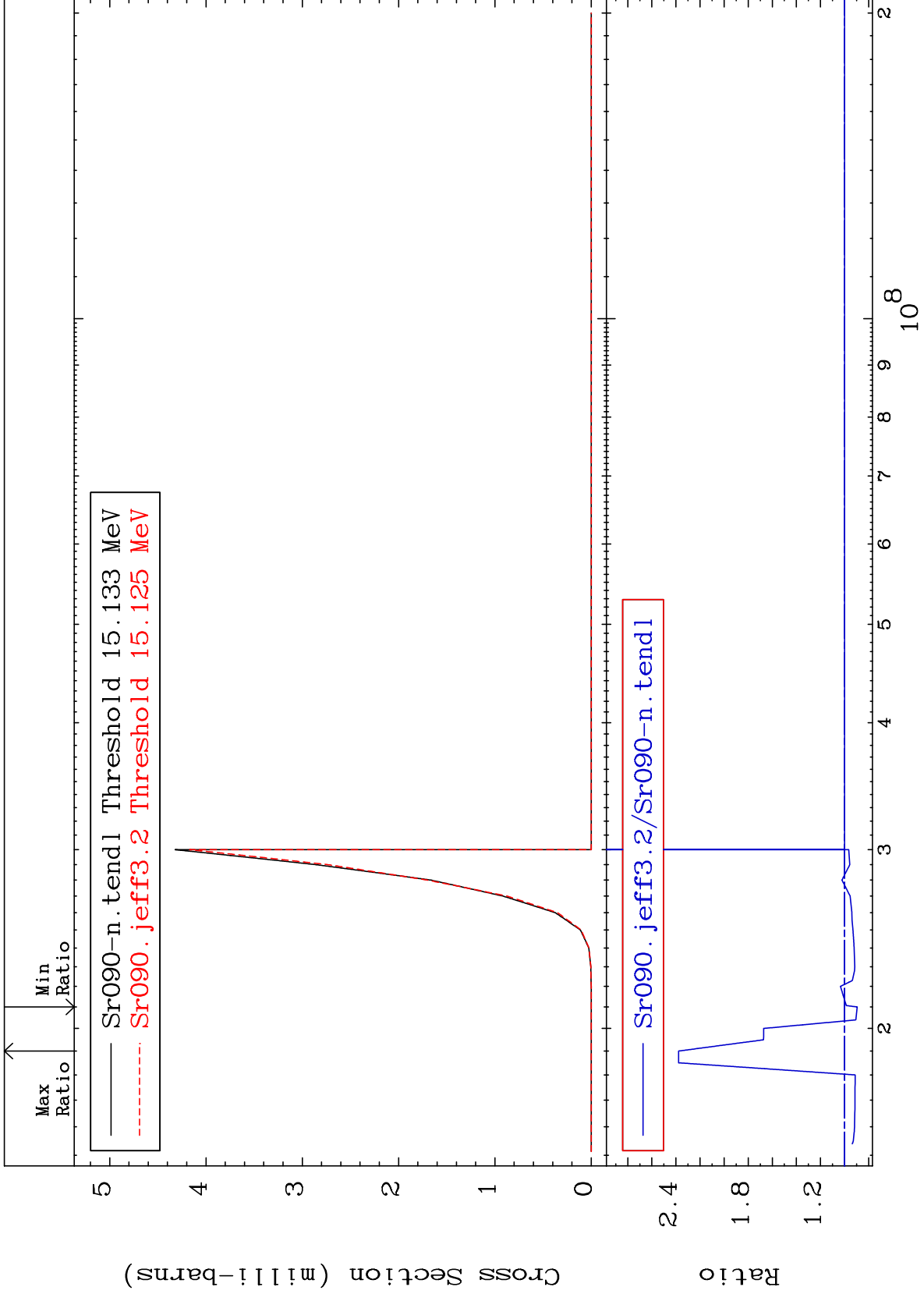


MAT 3843

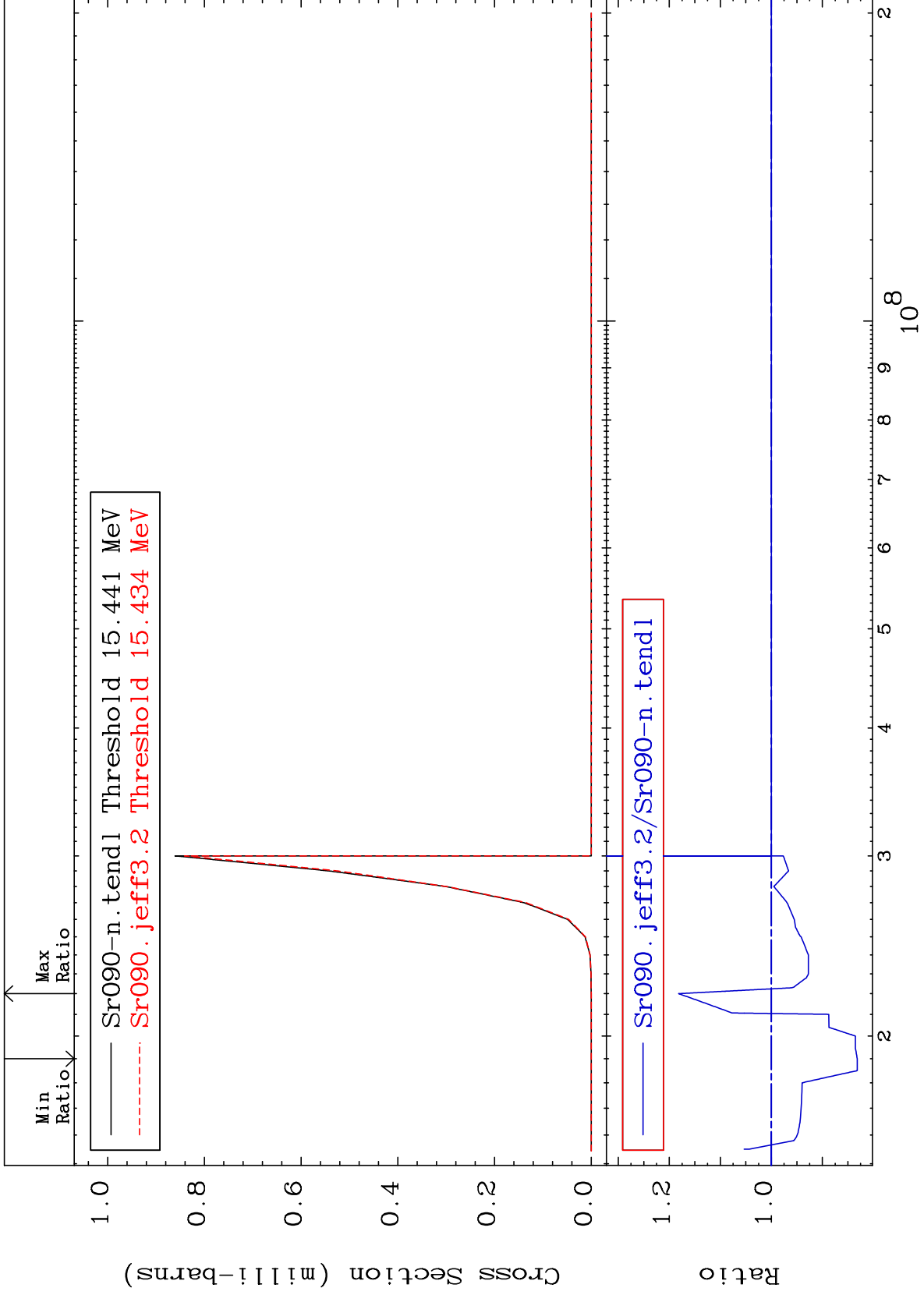
(n,2n) α :36-Kr-85g

38-Sr-90

Radionuclide Production Cross Section -10.53 To 137.8 %



Radionuclide Production Cross Section -16.83 To 18.17 %



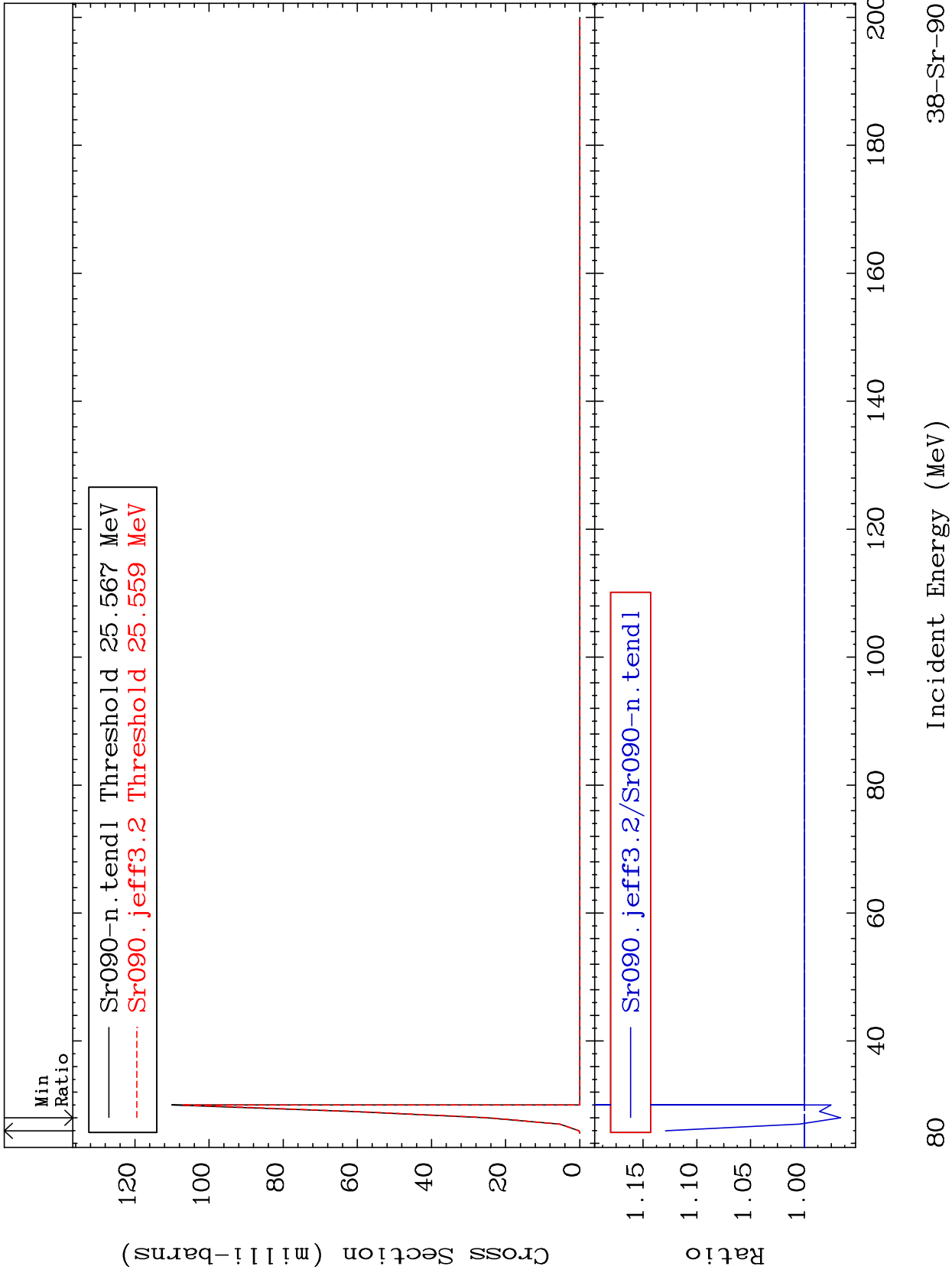
MAT 3843

(n, 4n) : 38-Sr-87g

38-Sr-90

Radionuclide Production Cross Section

-3.368 To 12.91 %

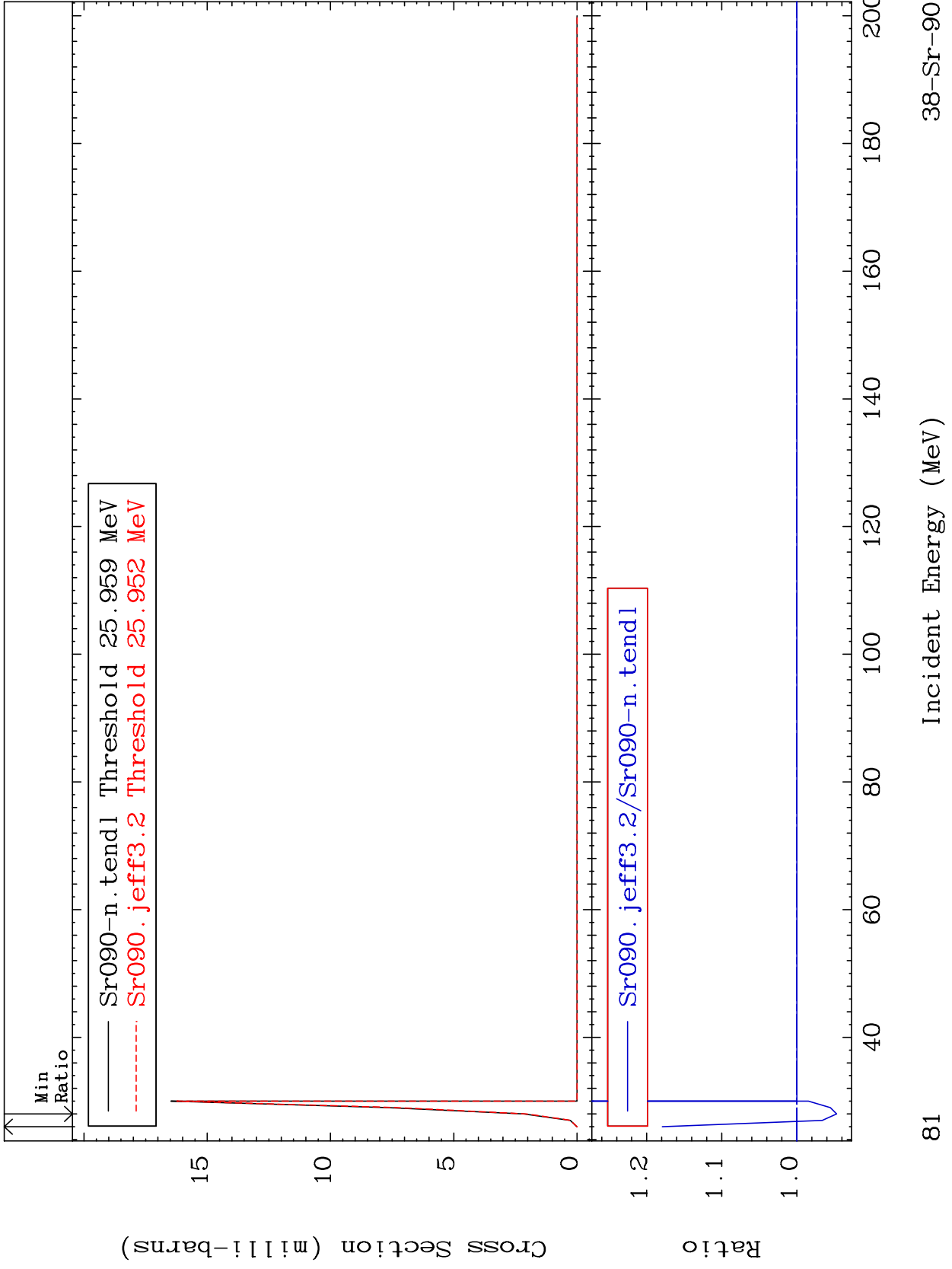


MAT 3843

(n,4n):38-Sr-87m1

38-Sr-90

Radionuclide Production Cross Section -5.302 To 17.92 %

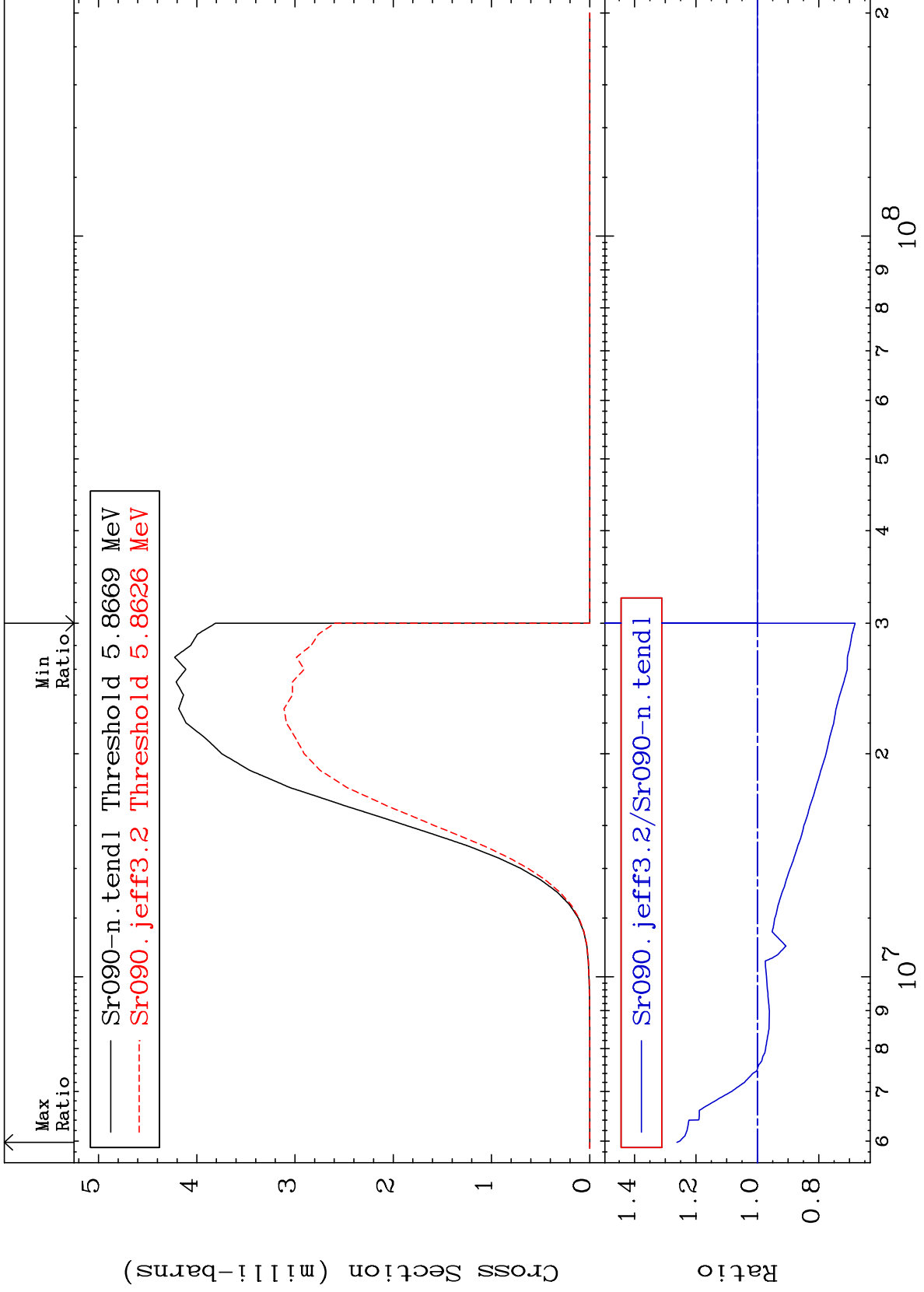


MAT 3843

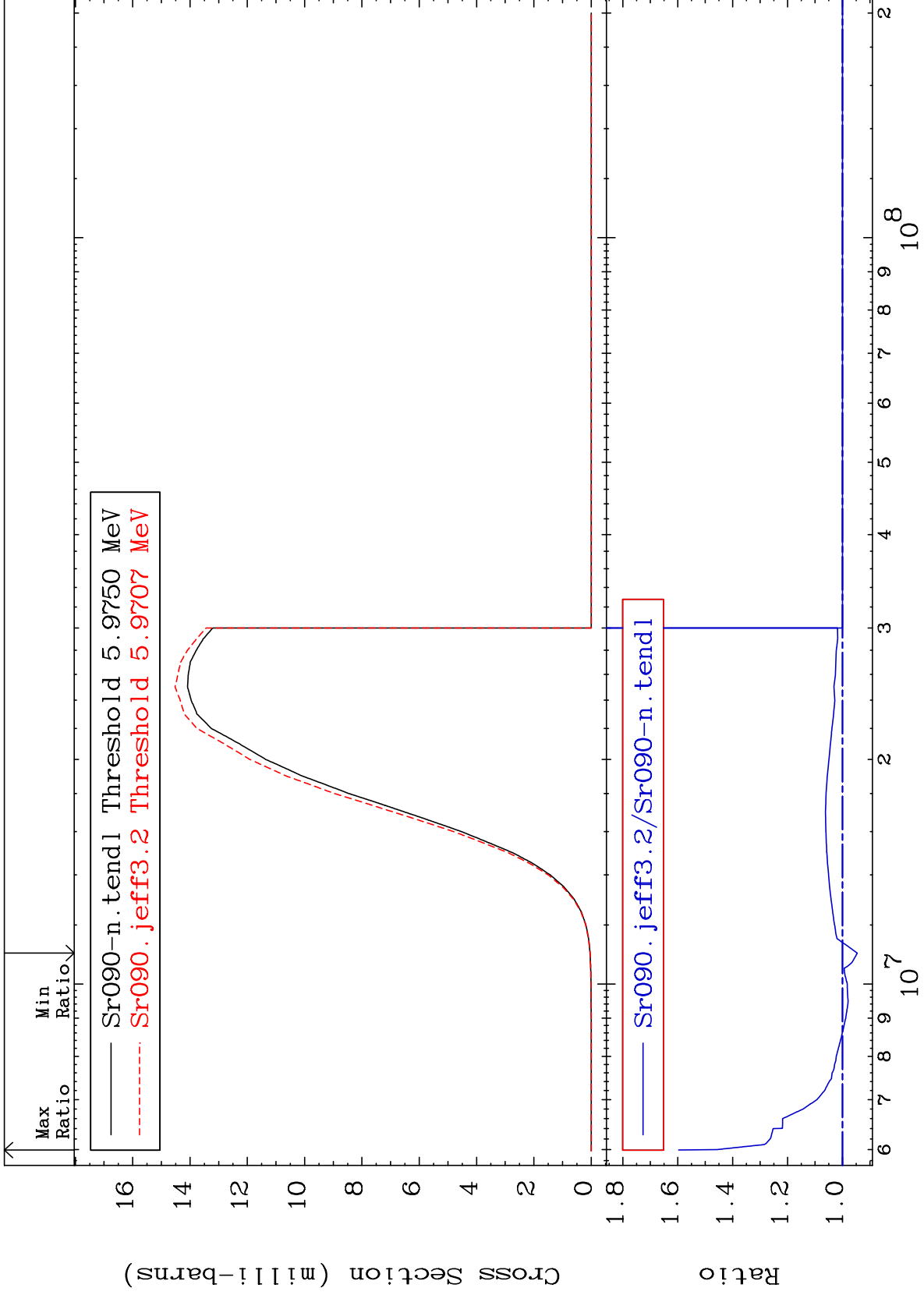
(n, p) : 37-Rb-90g

38-Sr-90

Radionuclide Production Cross Section -31.83 To 26.22 %



Radionuclide Production Cross Section -5.398 To 59.68 %

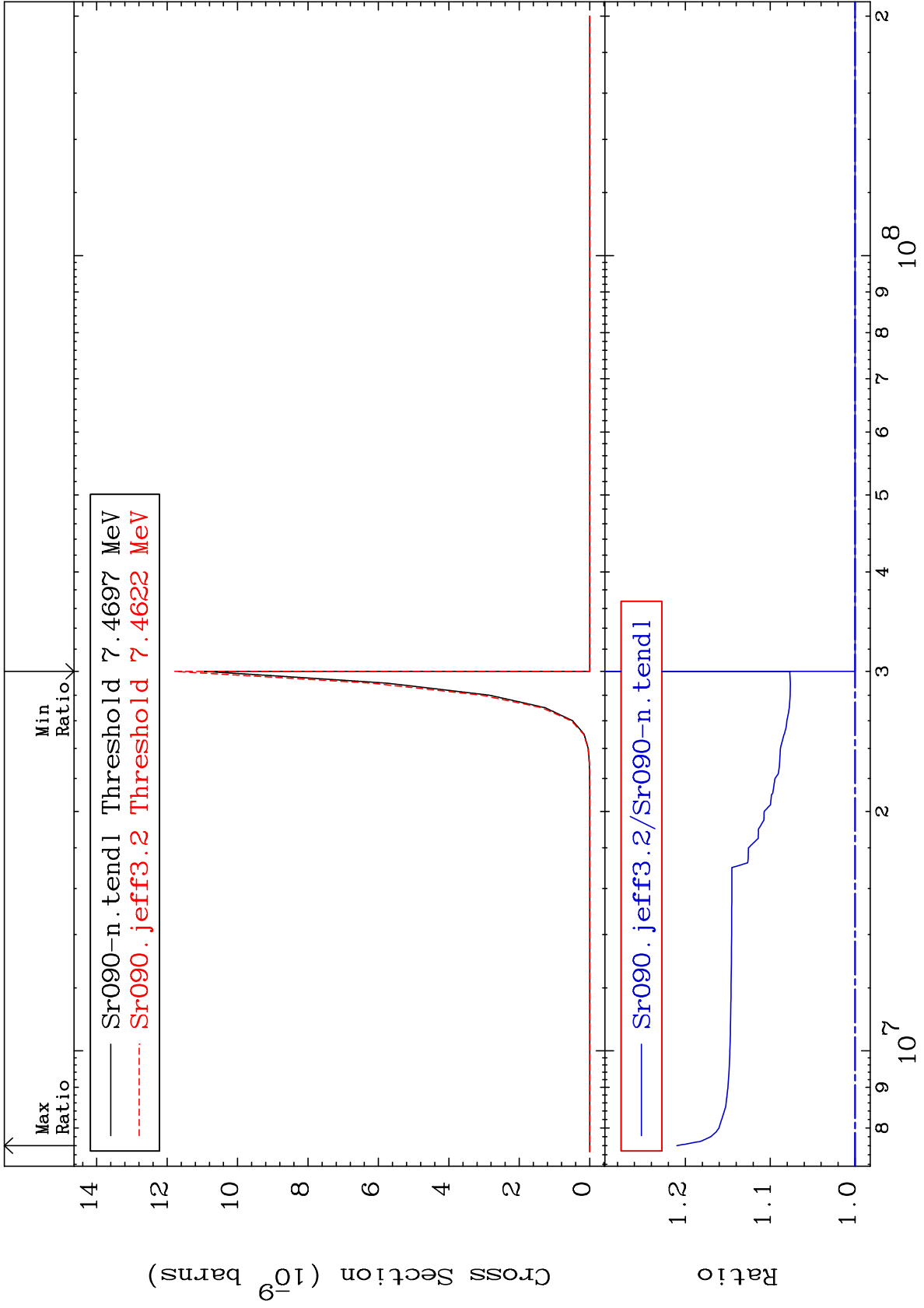


MAT 3843

38-Sr-90

(n,2α):34-Se-83g

Radionuclide Production Cross Section 0.000 To 20.99 %

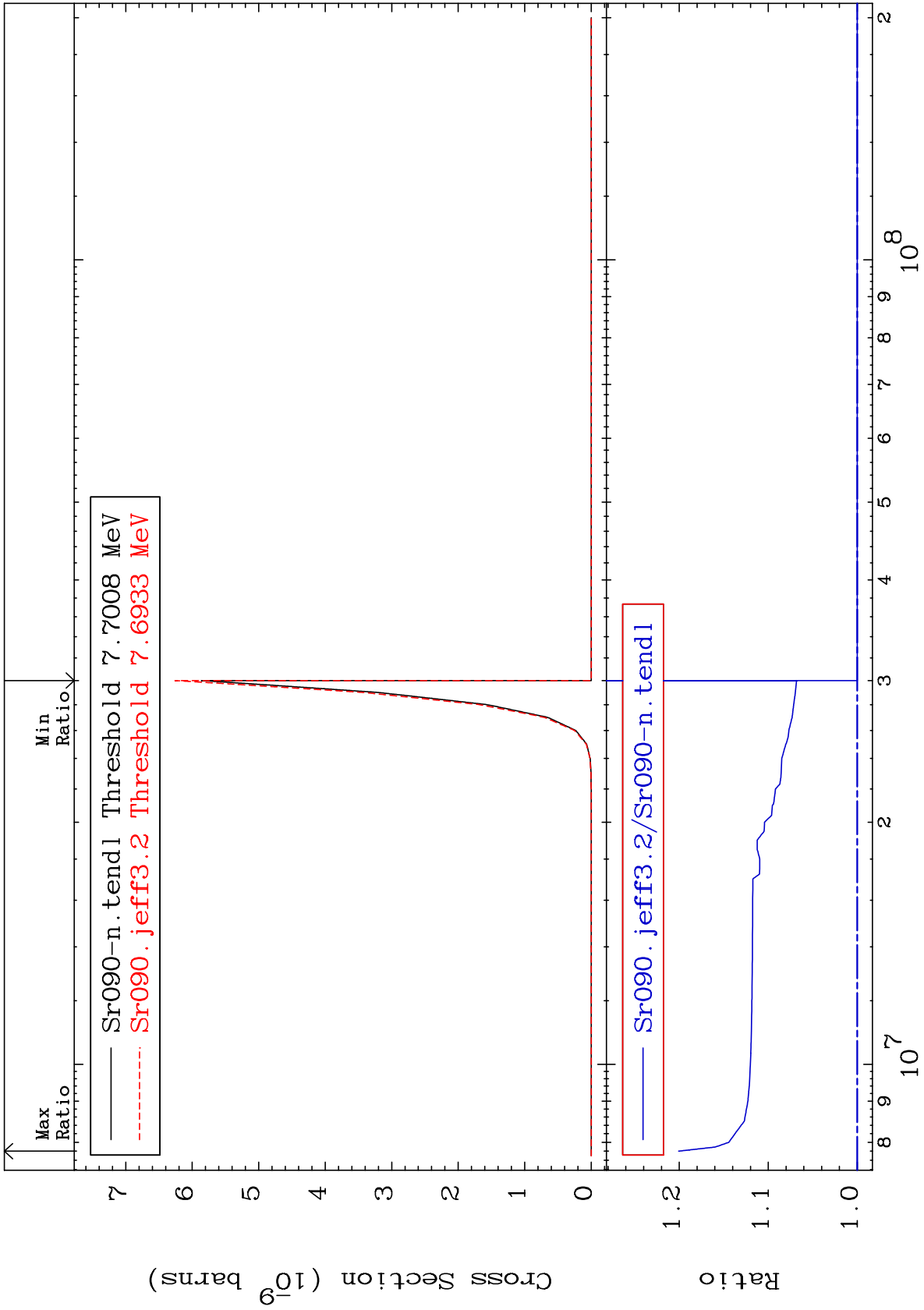


MAT 3843

(n,2α):34-Se-83m1

38-Sr-90

Radionuclide Production Cross Section 0.000 To 20.07 %



85

Incident Energy (eV)

38-Sr-90