

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

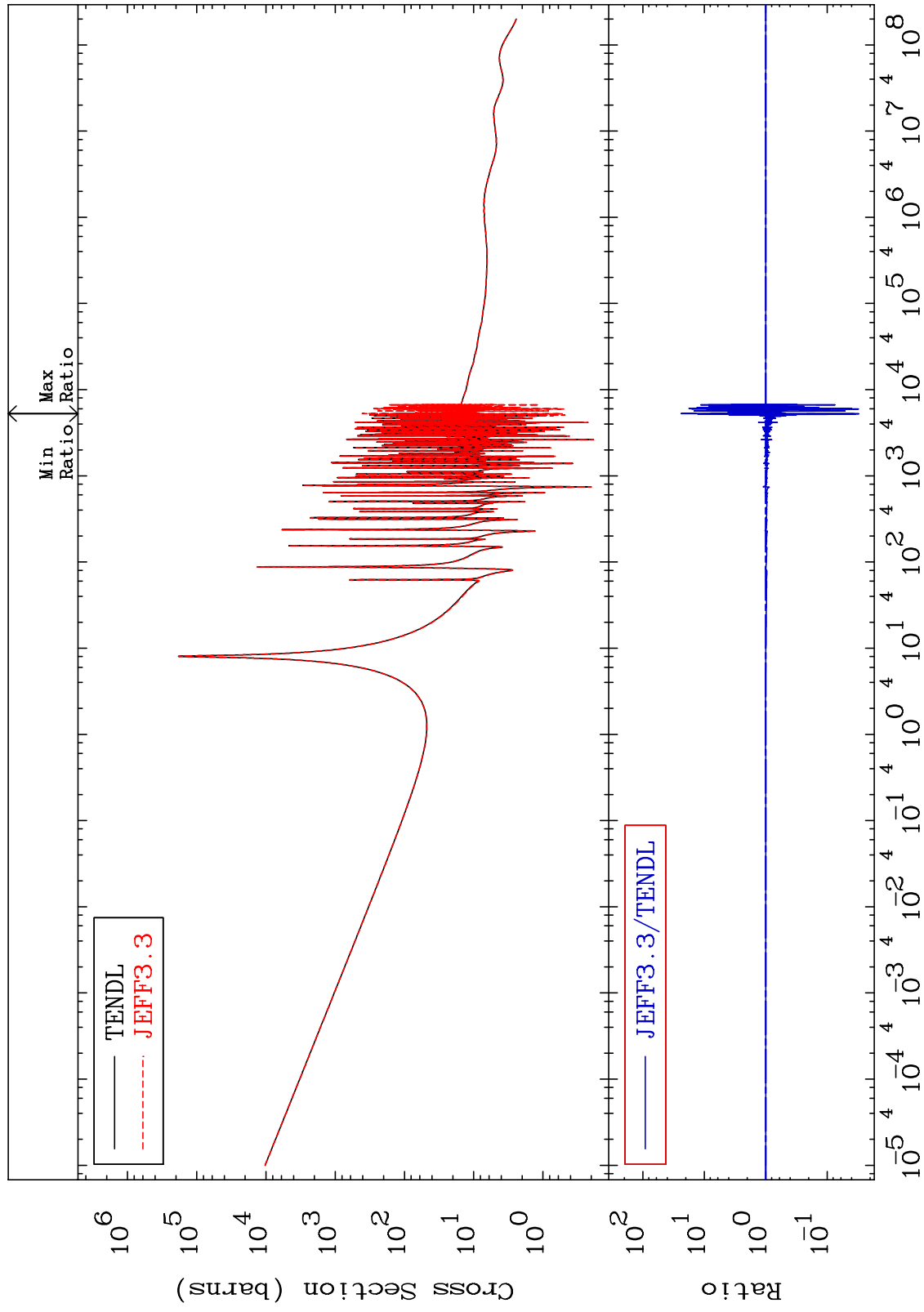
MAT 6249

Total

62-Sm-152

Cross Section

-96.97 To 2306. %

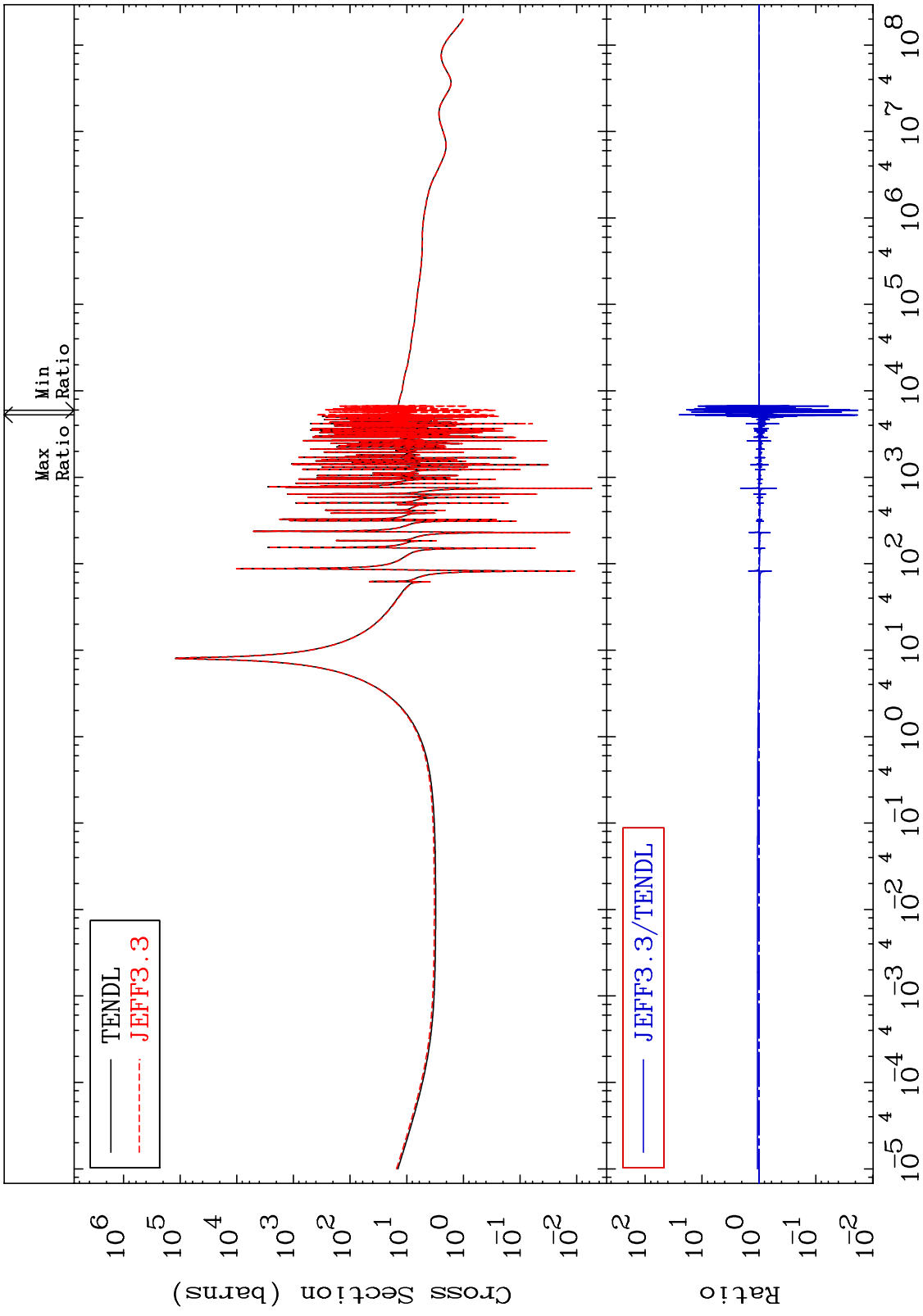


1

Incident Energy (eV)

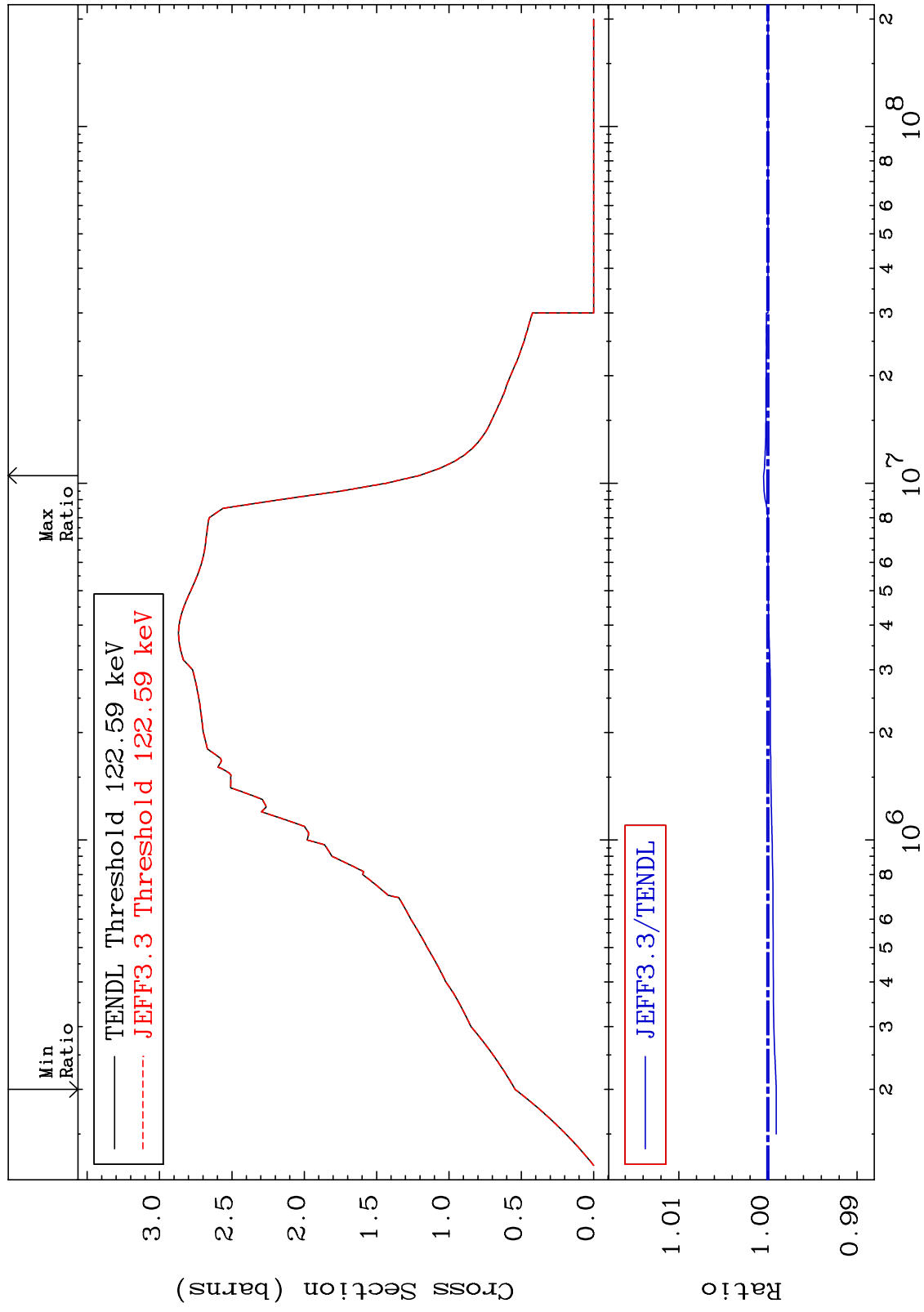
62-Sm-152

MAT 6249 Elastic Cross Section 62-Sm-152 -98.18 To 2437. %



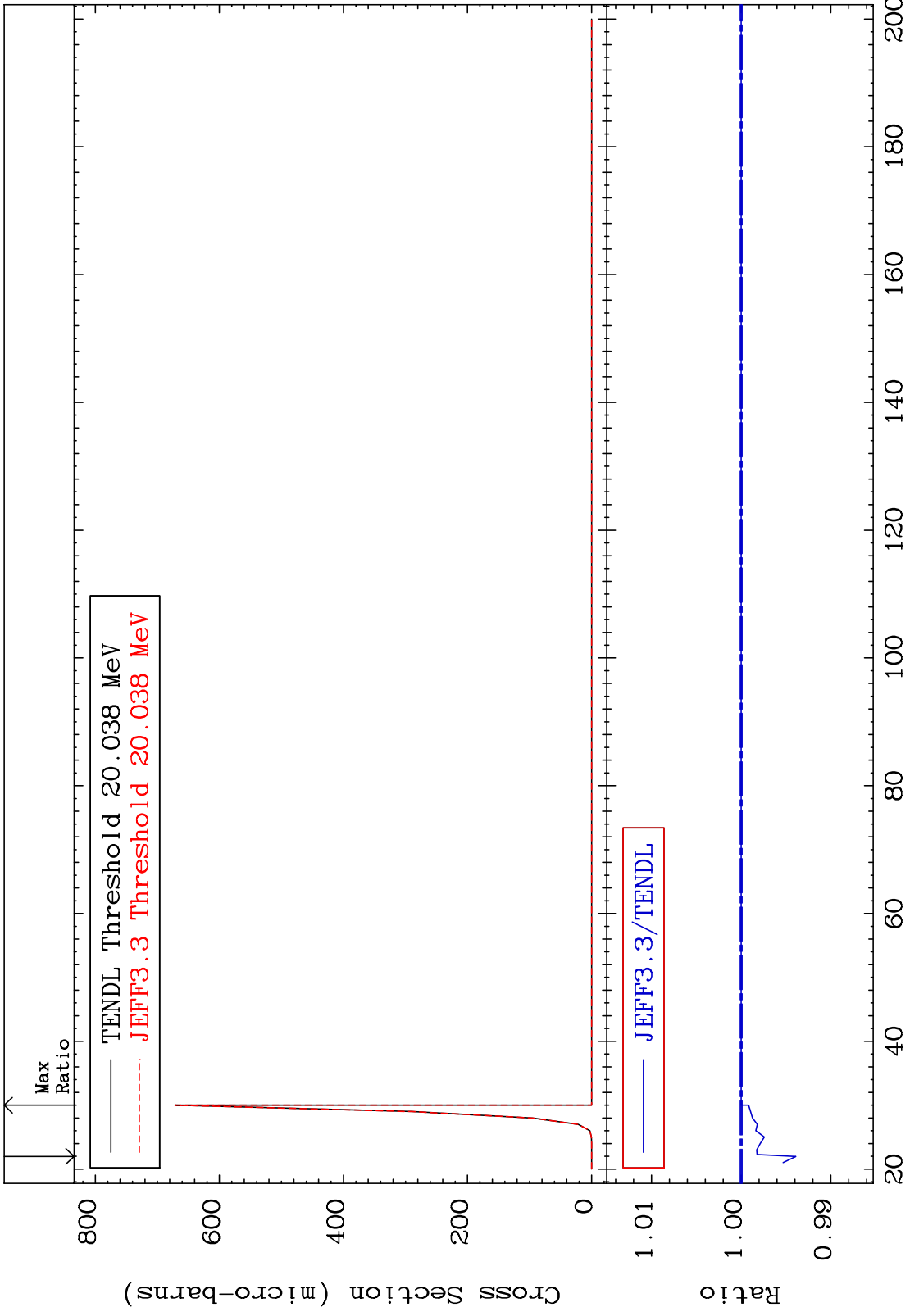
2 Incident Energy (eV) 62-Sm-152

MAT 6249 Inelastic Cross Section 62-Sm-152 -0.095 To 0.047 %

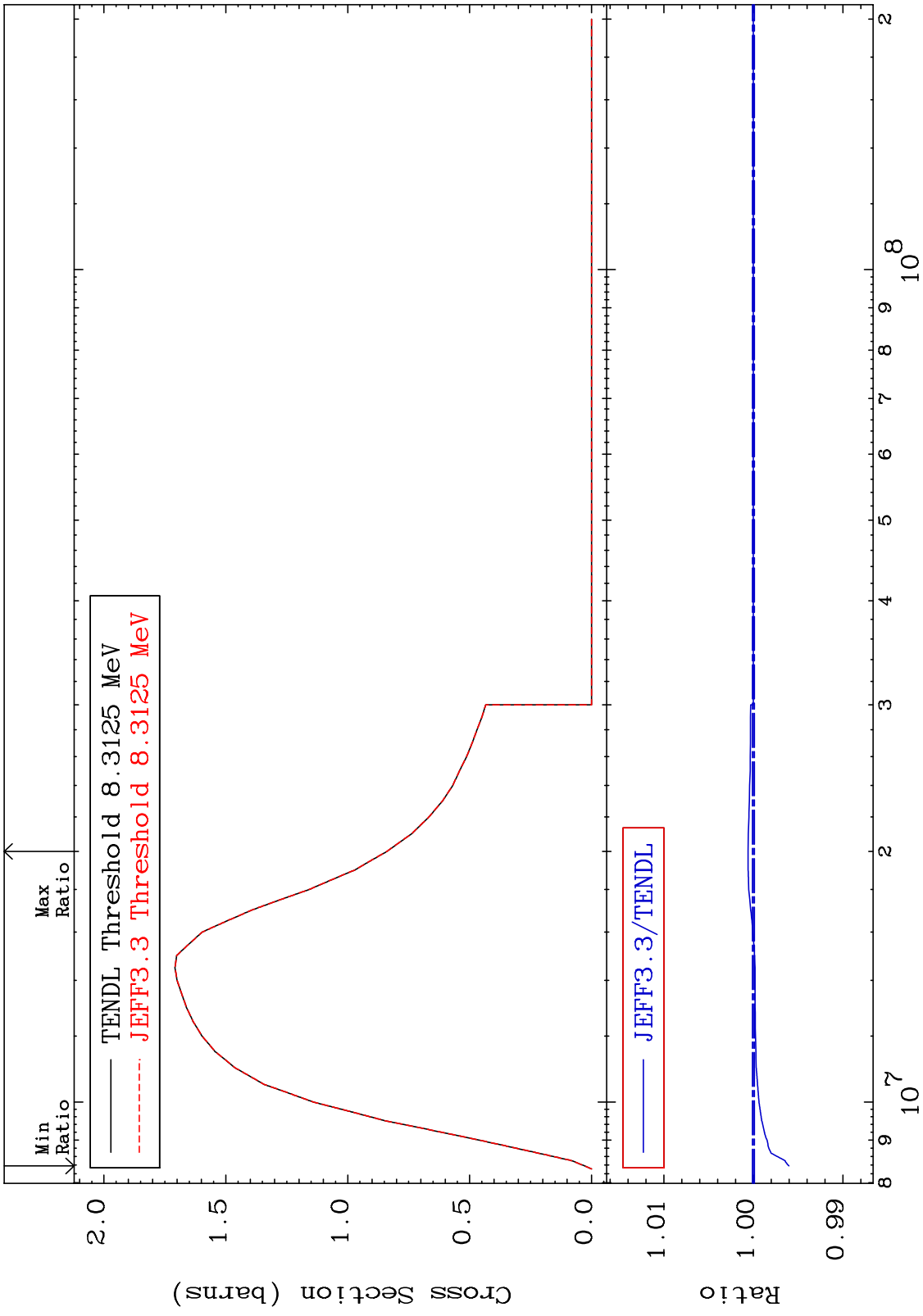


3 62-Sm-152

MAT 6249 (n,2n) d 62-Sm-152
Cross Section -0.611 To 0.000 %

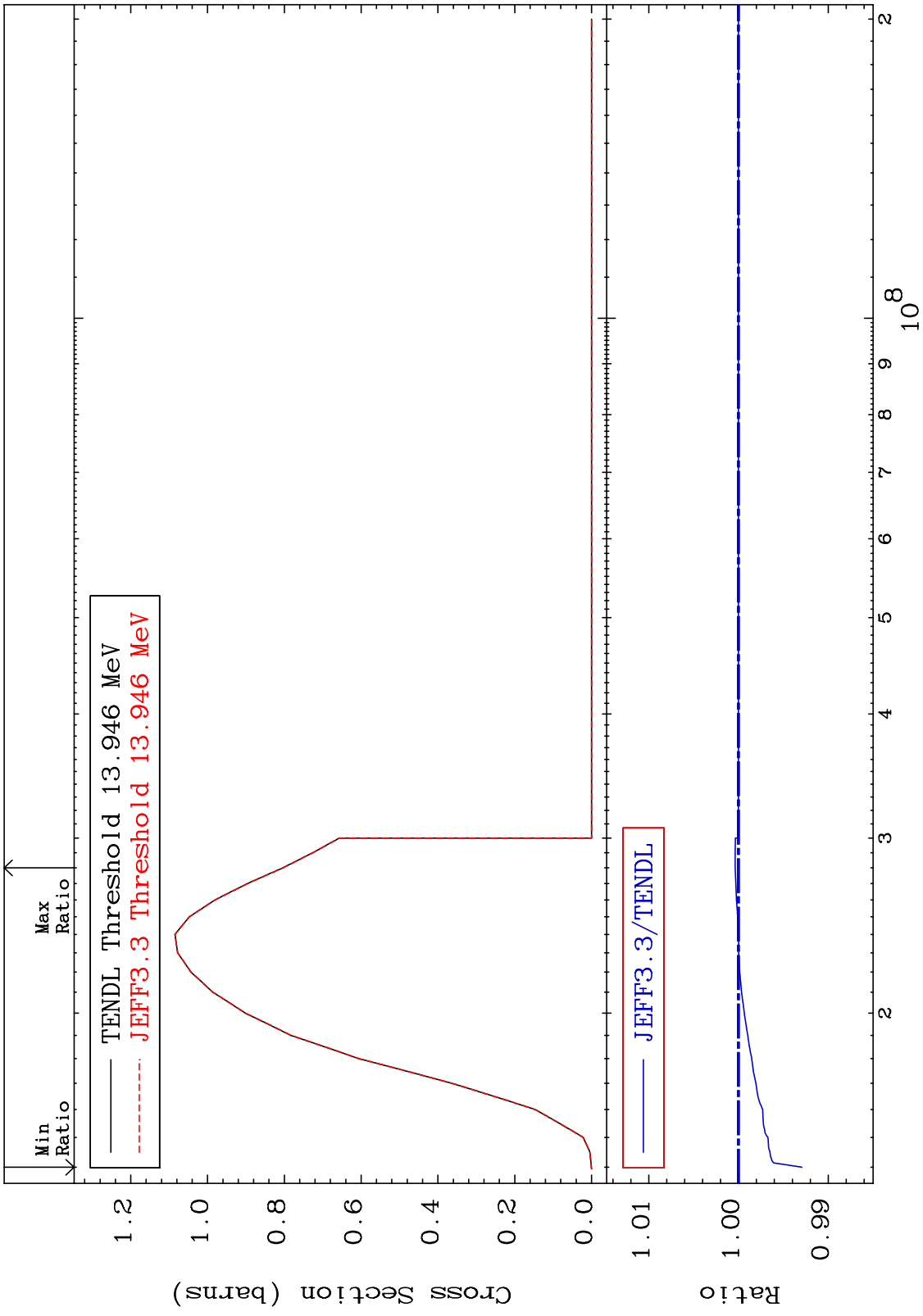


MAT 6249 (n,2n) Cross Section 62-Sm-152 -0.397 To 0.061 %



62-Sm-152

MAT 6249 (n,3n) 62-Sm-152
Cross Section -0.706 To 0.039 %



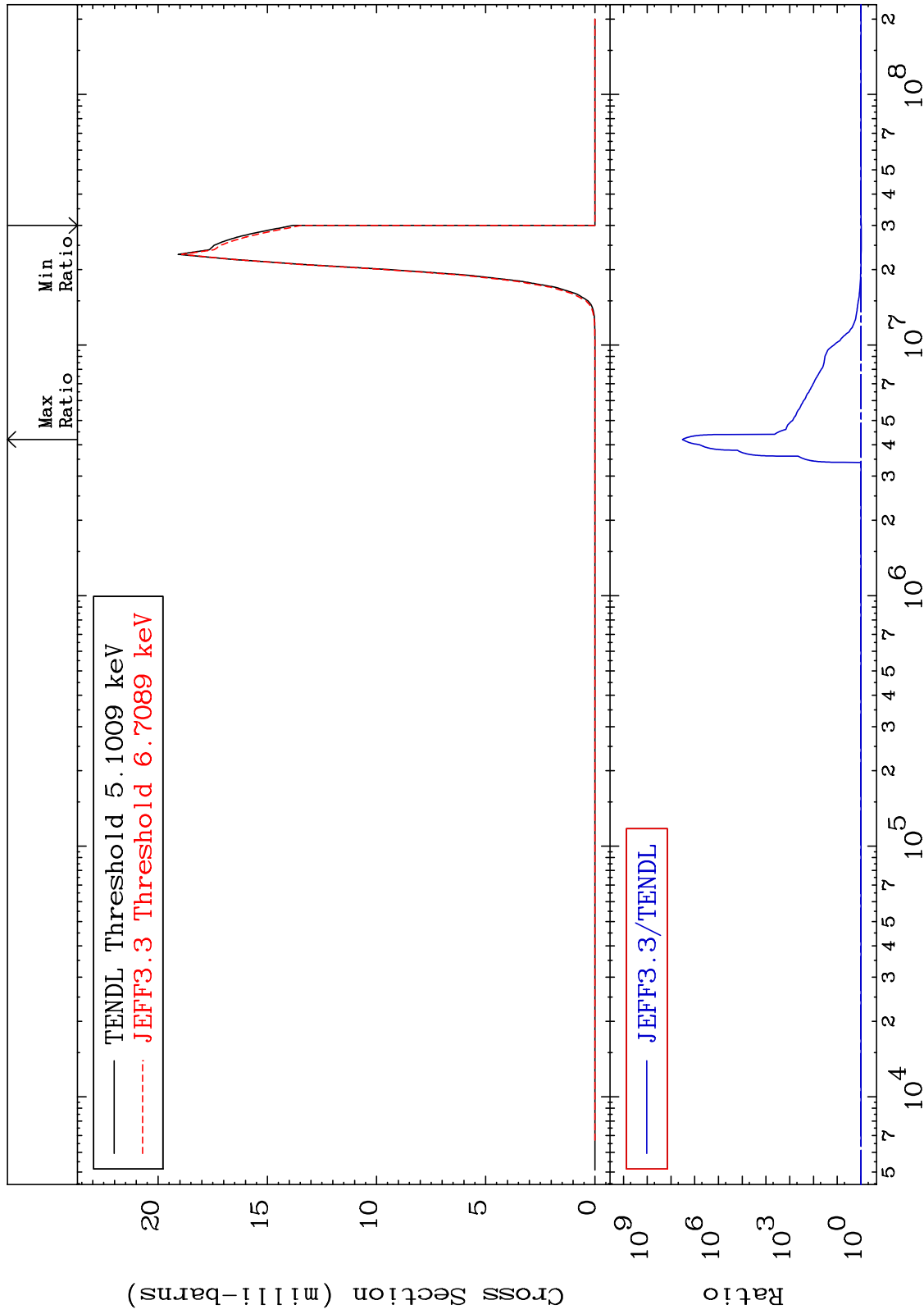
MAT 6249

$(n, n') \alpha$

62-Sm-152

Cross Section

-2.676 To 9999. %

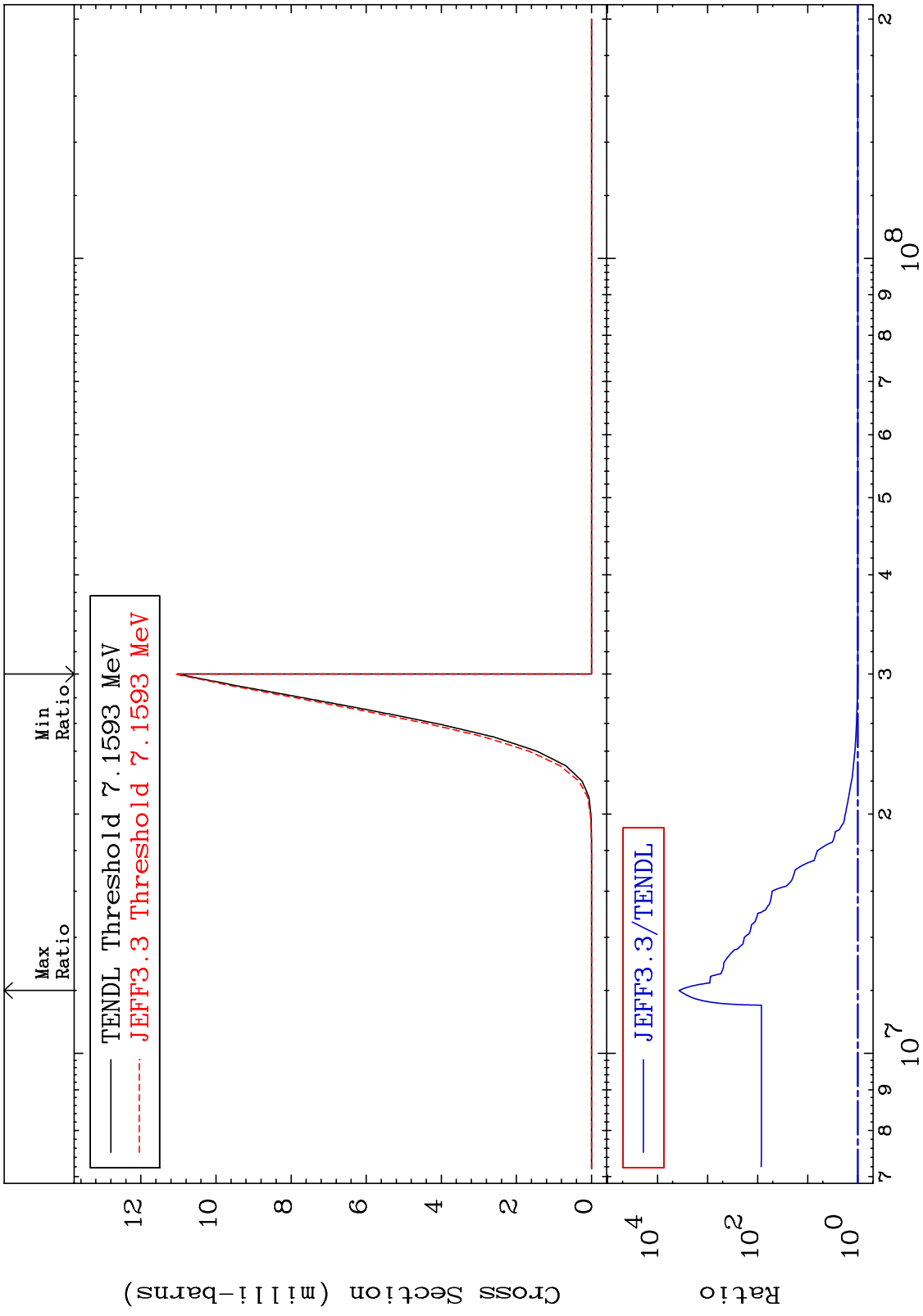


7

Incident Energy (eV)

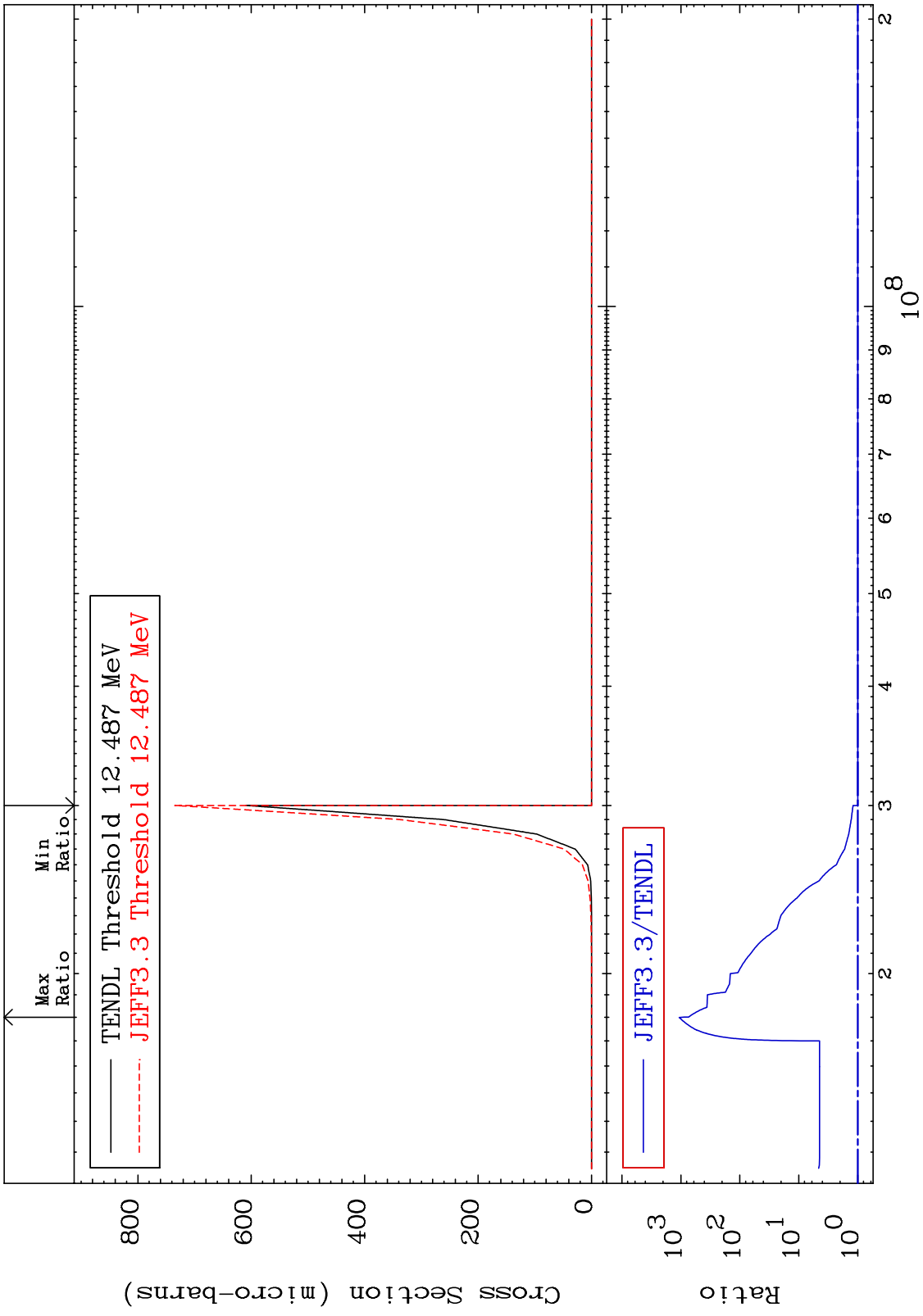
62-Sm-152

MAT 6249 $(n, 2n) \alpha$ 62-Sm-152 To 9999. %

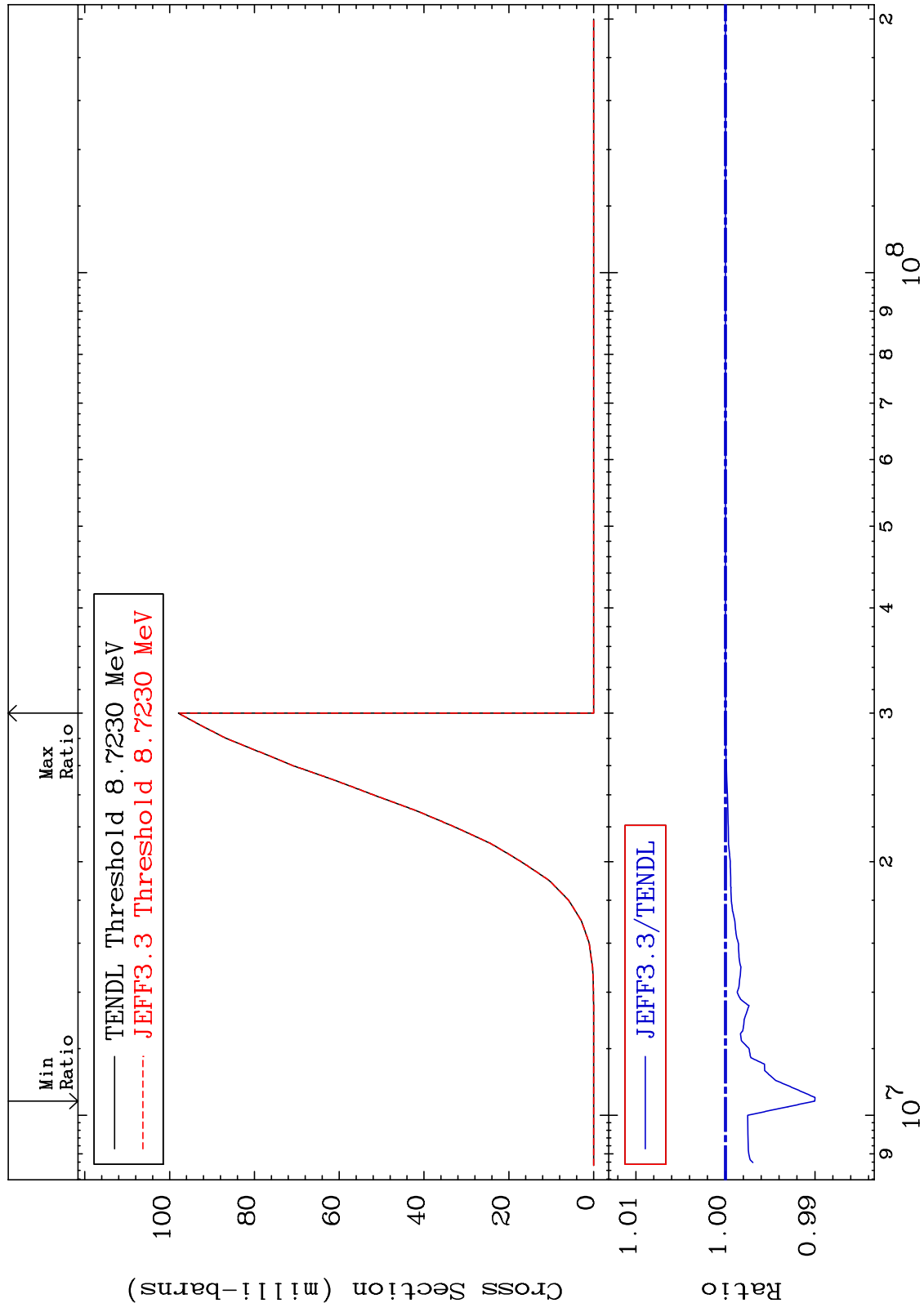


8 Incident Energy (eV) 62-Sm-152

MAT 6249 $(n, 3n) \alpha$ 62-Sm-152
 Cross Section 0.000 To 9999. %

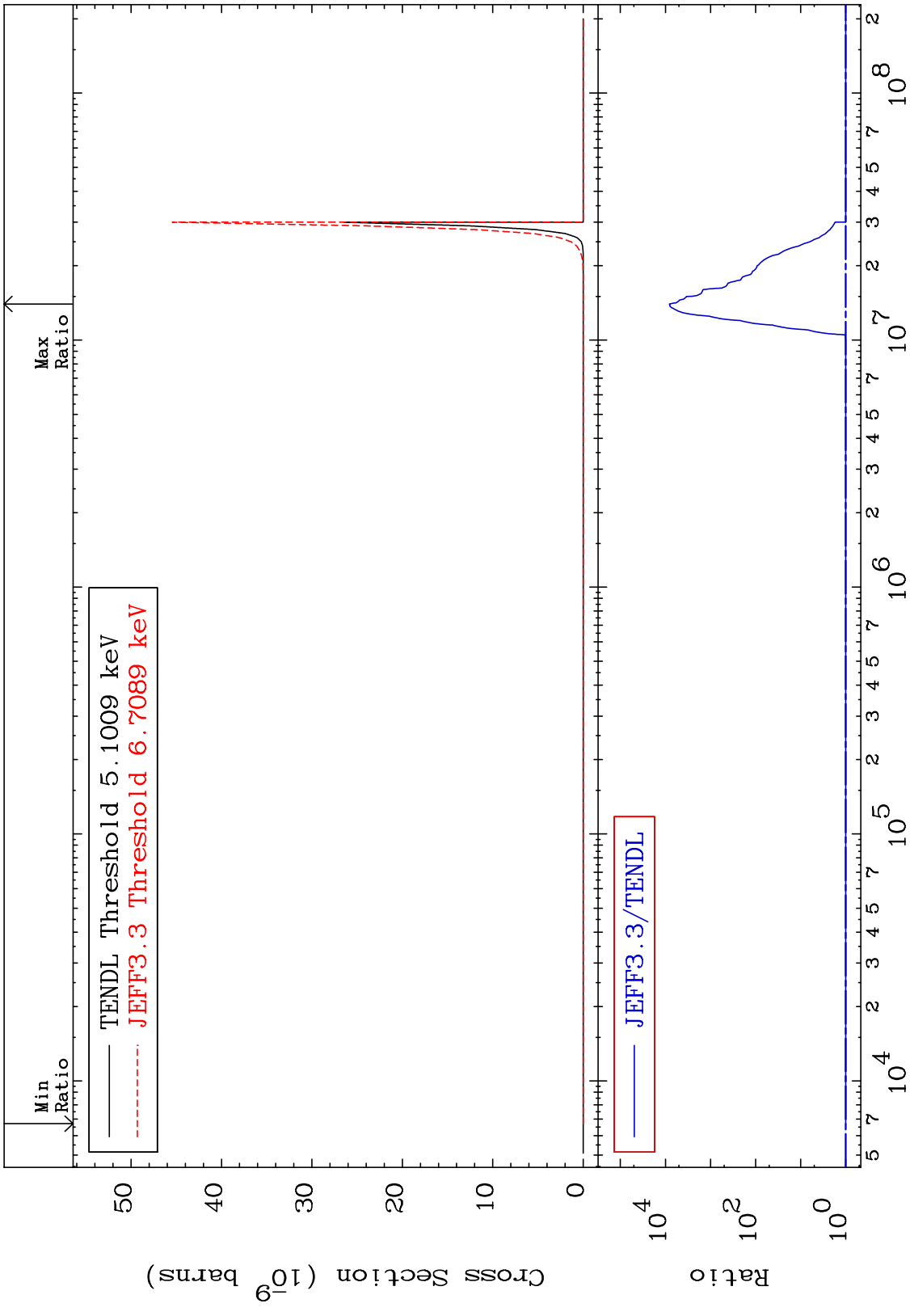


MAT 6249 (n, n') p 62-Sm-152
Cross Section -1.000 To 0.004 %

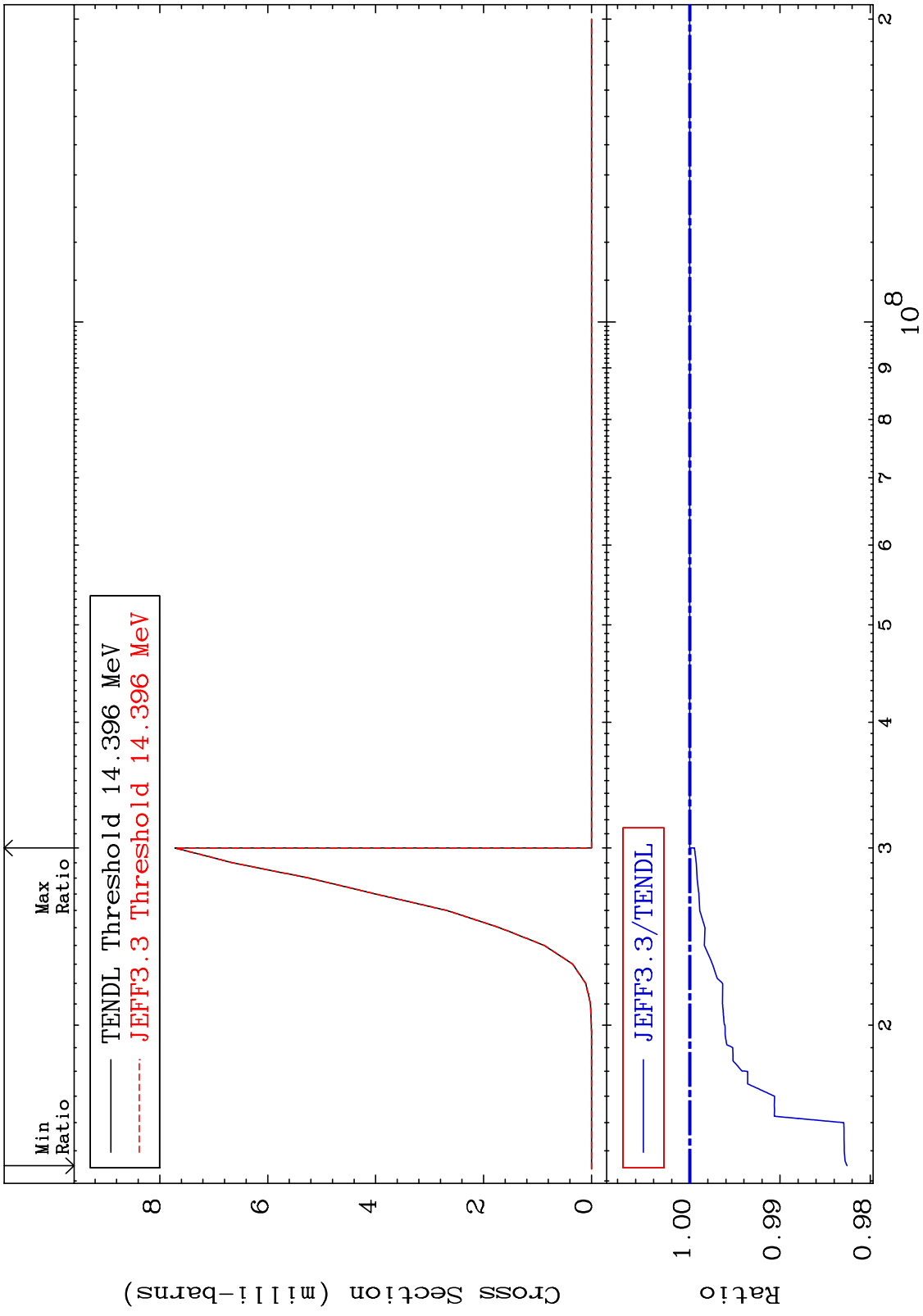


Incident Energy (eV) 62-Sm-152

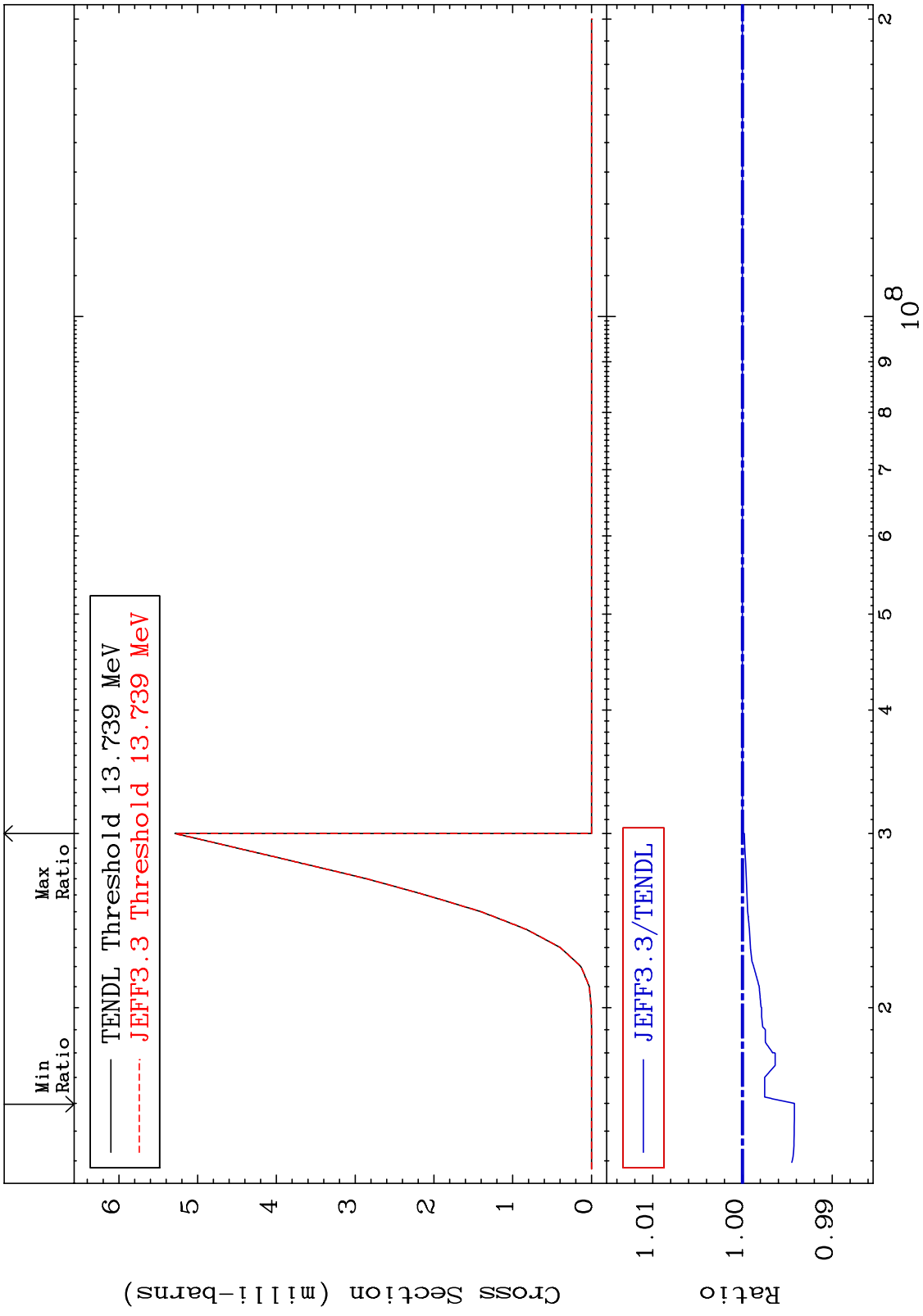
MAT 6249 (n,n') 2α Cross Section 62-Sm-152 To 9999. %



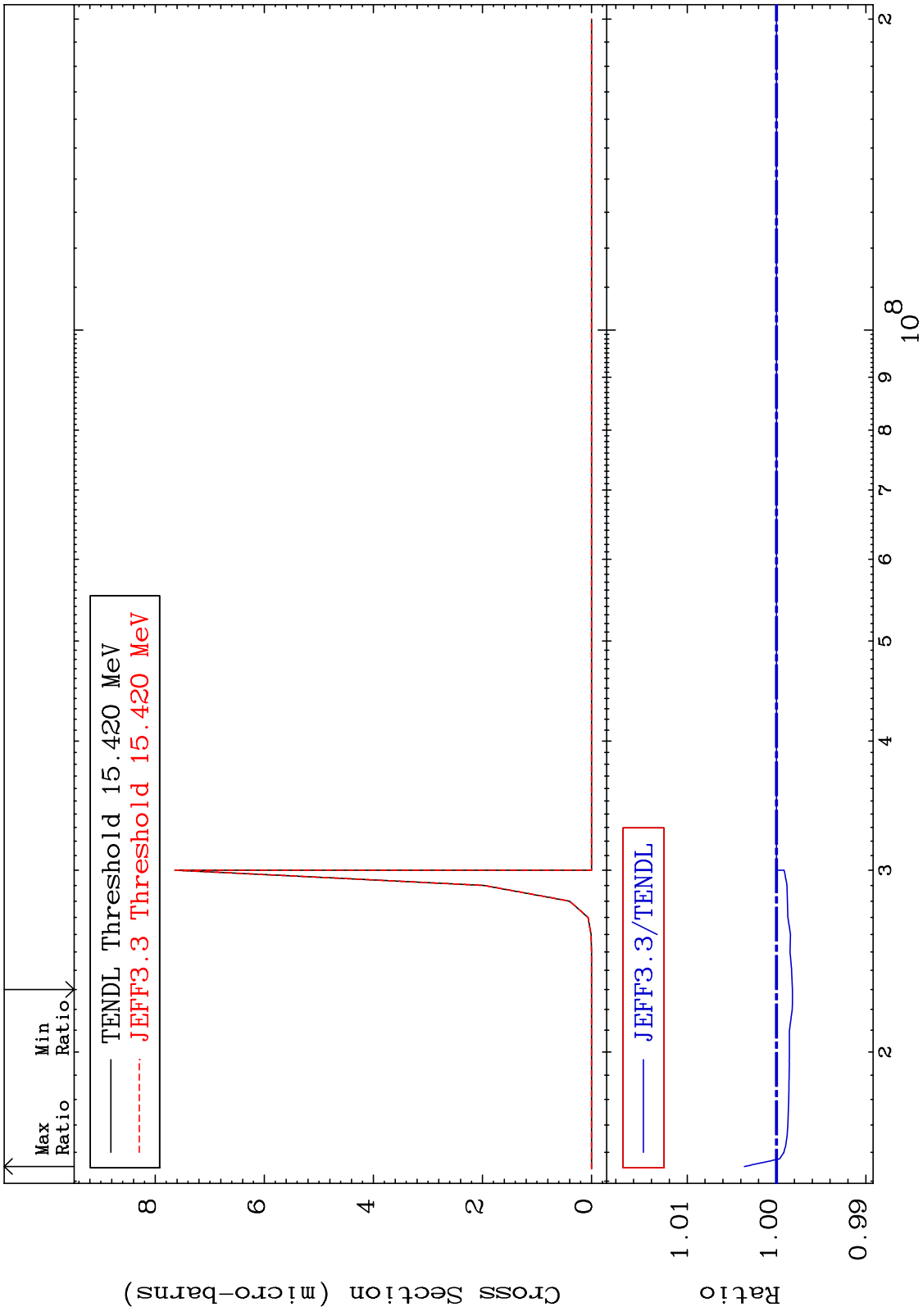
MAT 6249 (n, n') d 62-Sm-152
 Cross Section -1.744 To 0.000 %



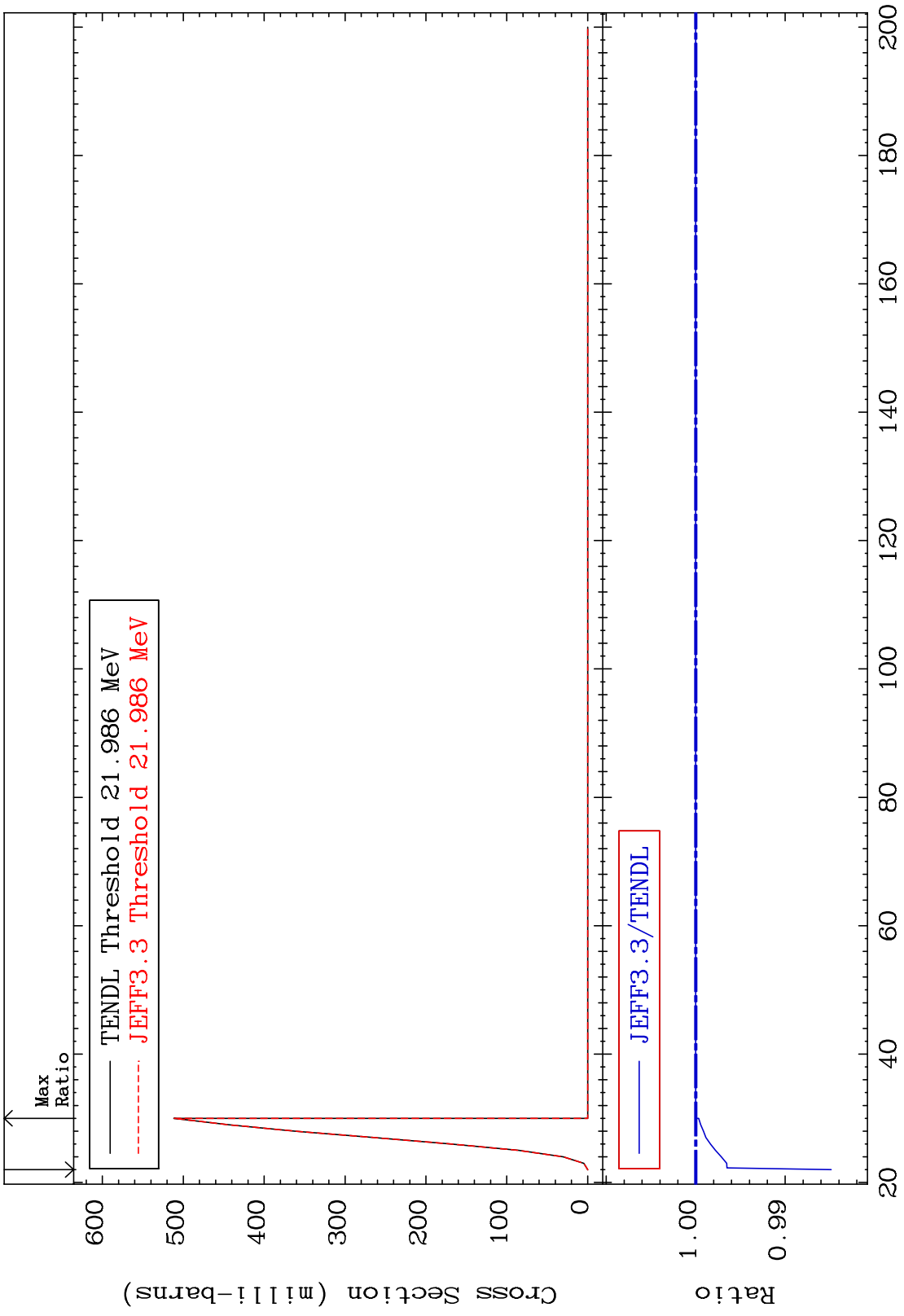
MAT 6249 $(n, n') t$ 62-Sm-152
 Cross Section -0.579 To 0.000 %



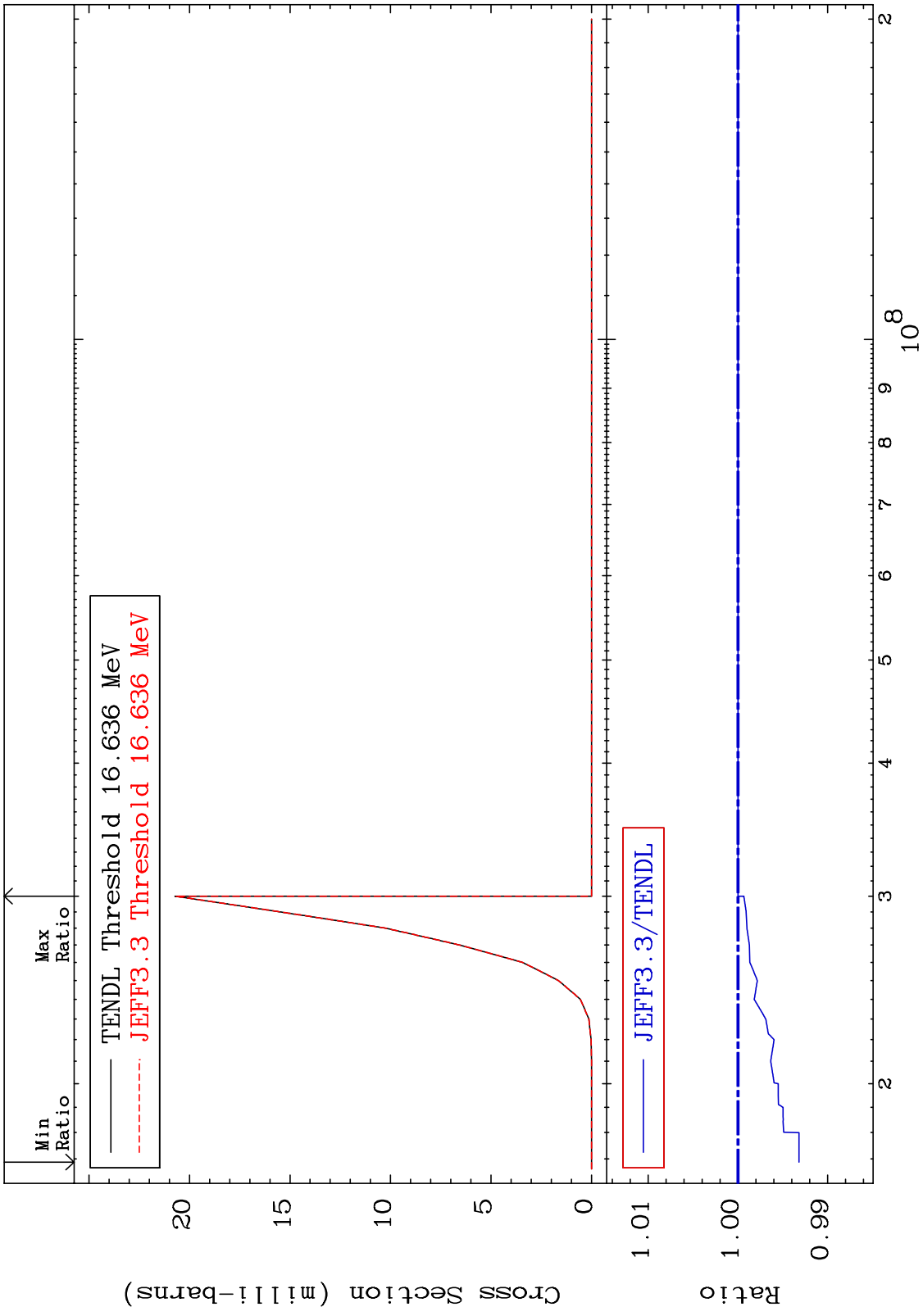
MAT 6249 (n, n') He-3 62-Sm-152
 Cross Section -0.178 To 0.359 %



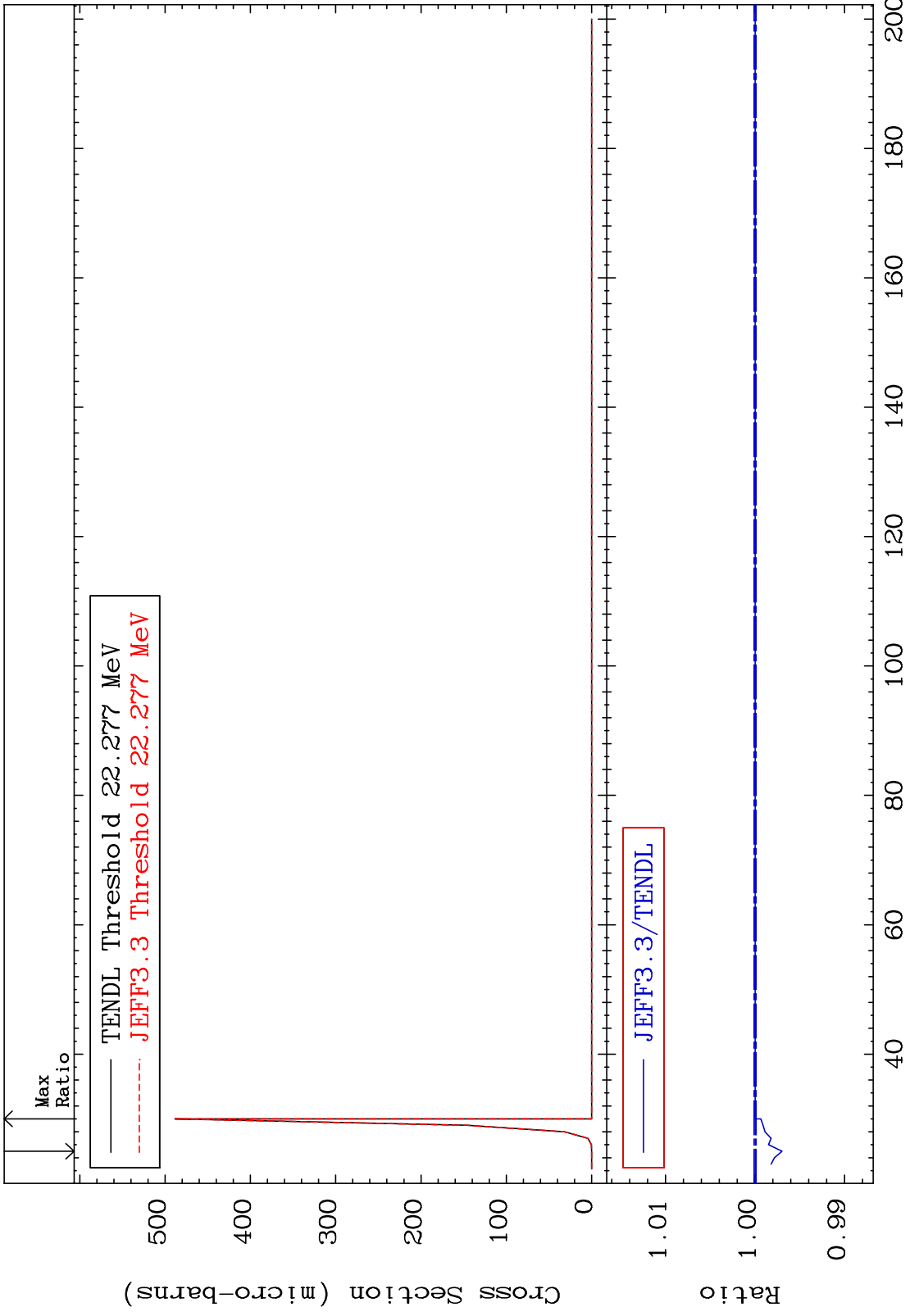
MAT 6249 (n,4n) Cross Section 62-Sm-152 -1.514 To 0.000 %



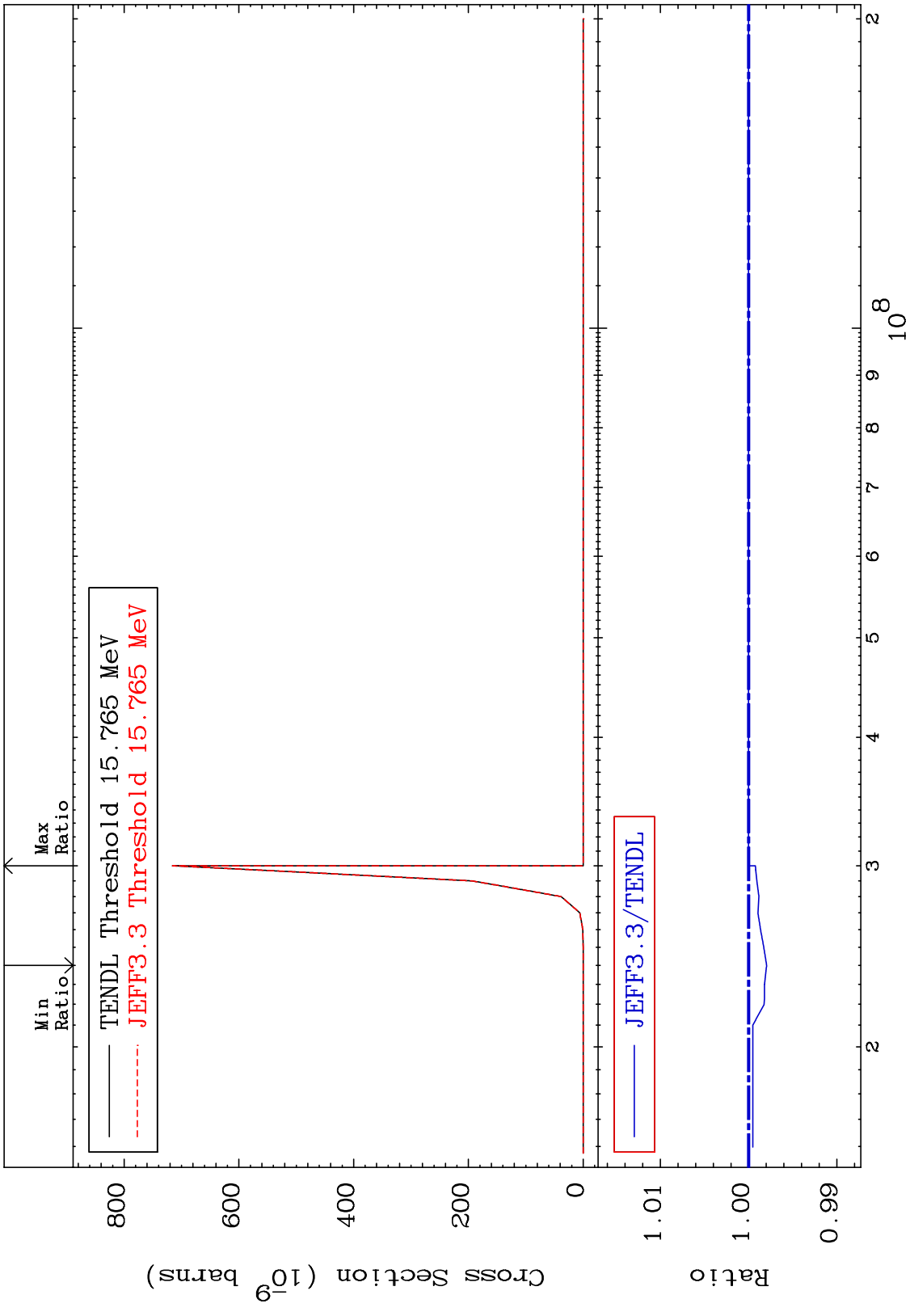
MAT 6249 (n,2n) p 62-Sm-152
 Cross Section -0.680 To 0.000 %



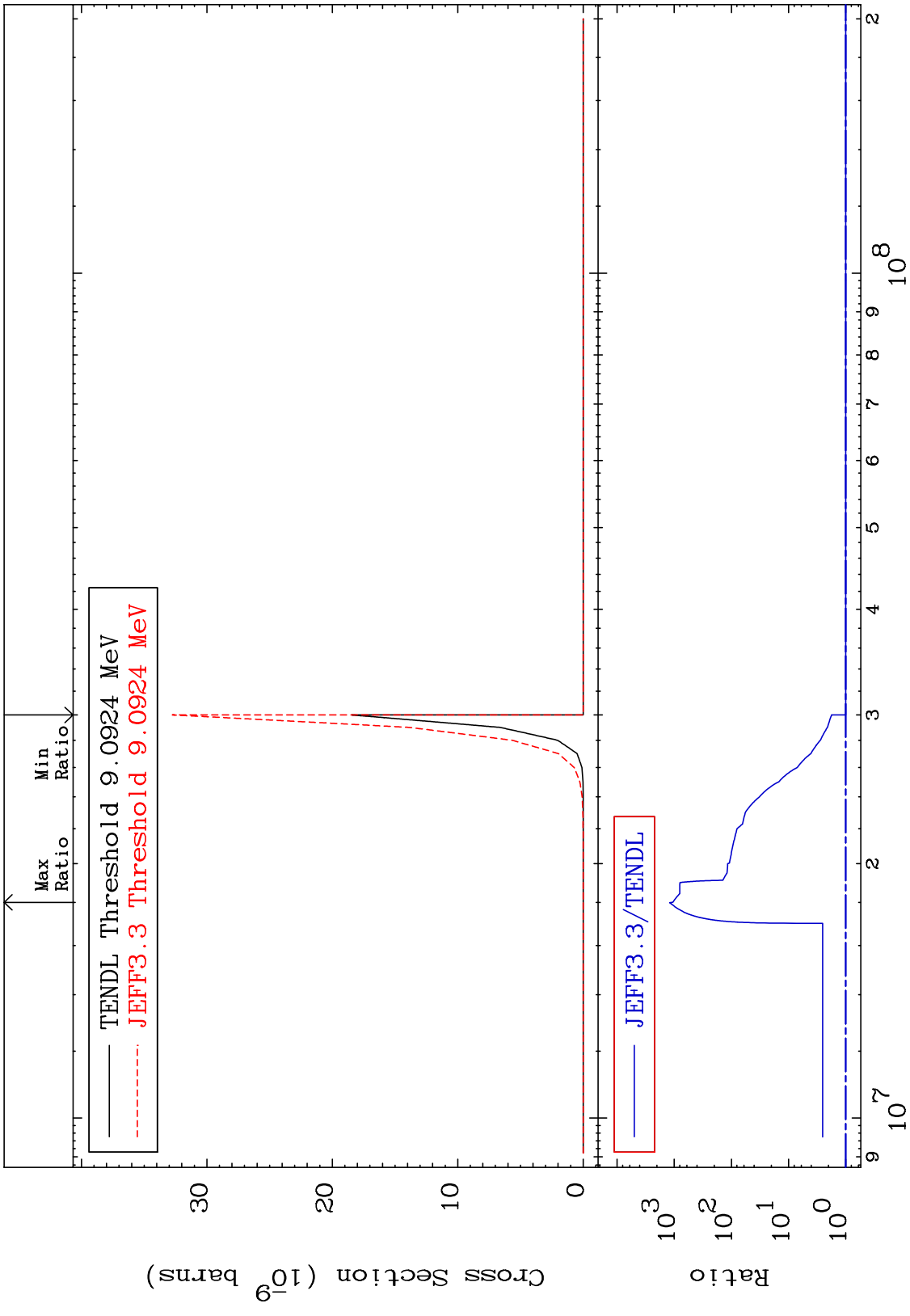
MAT 6249 (n,3n) p 62-Sm-152
 Cross Section -0.301 To 0.000 %



MAT 6249 (n,2n) p 62-Sm-152
 Cross Section -0.204 To 0.000 %

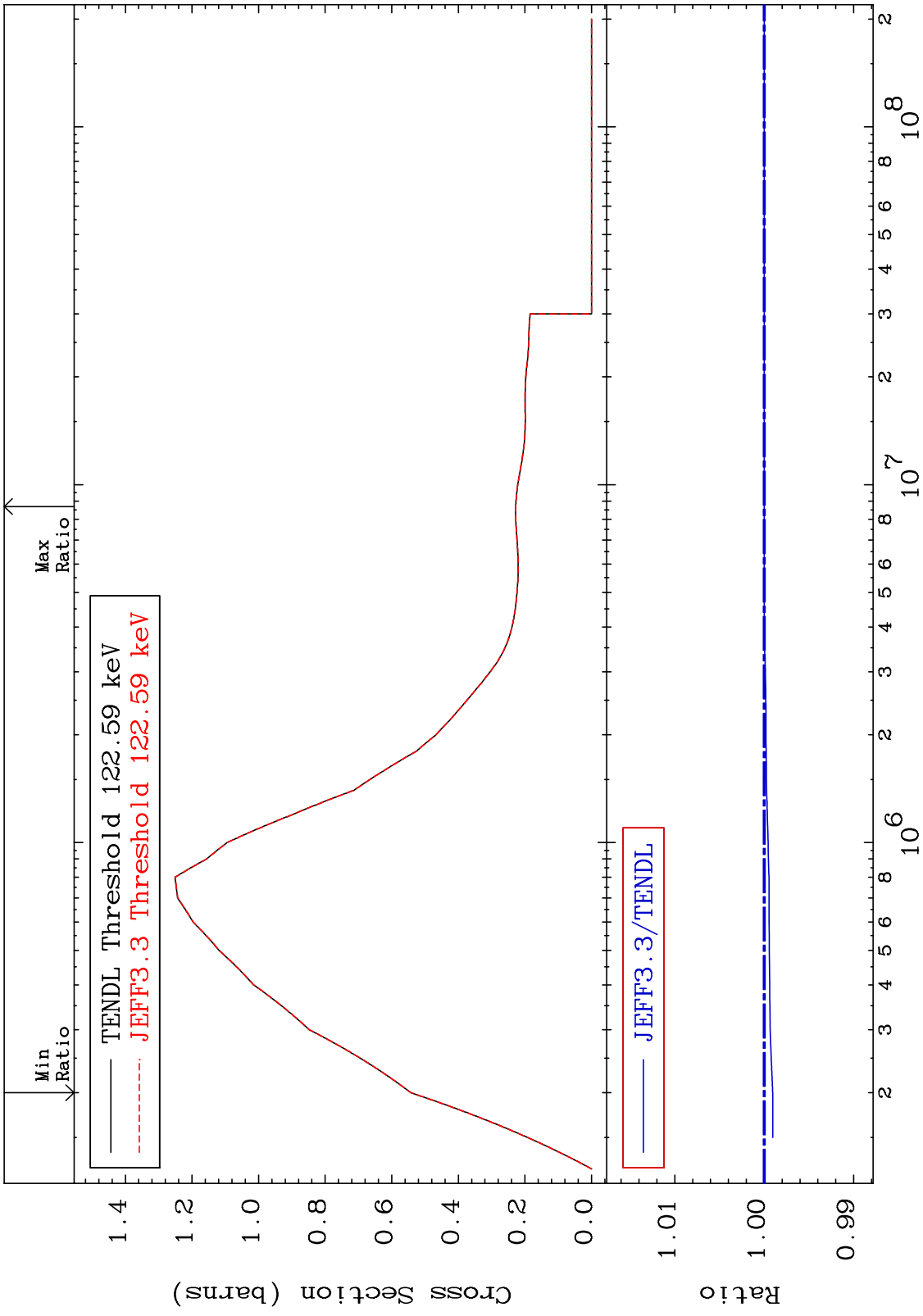


MAT 6249 (n,n') p α 62-Sm-152
 Cross Section To 9999. %

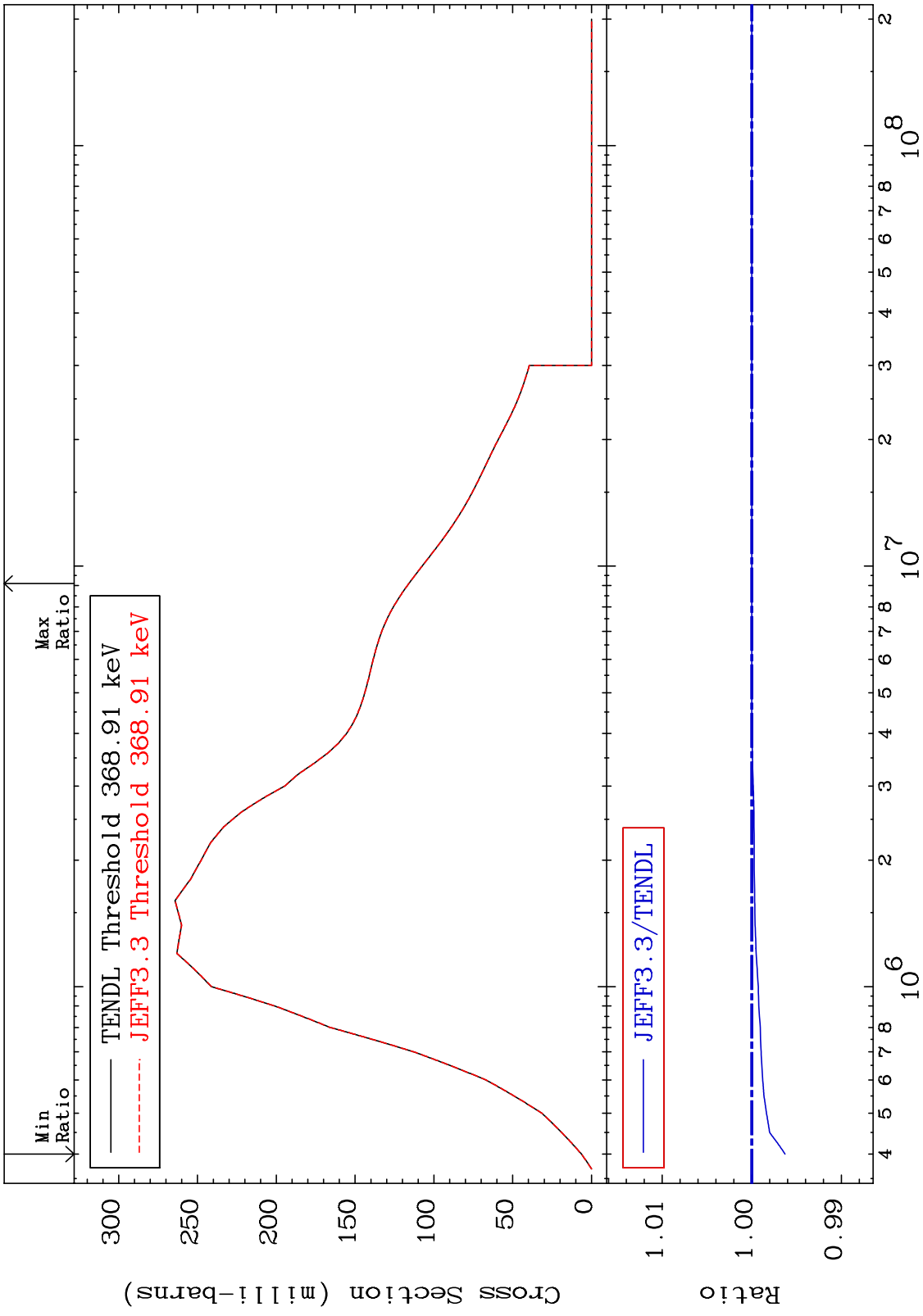


19 62-Sm-152

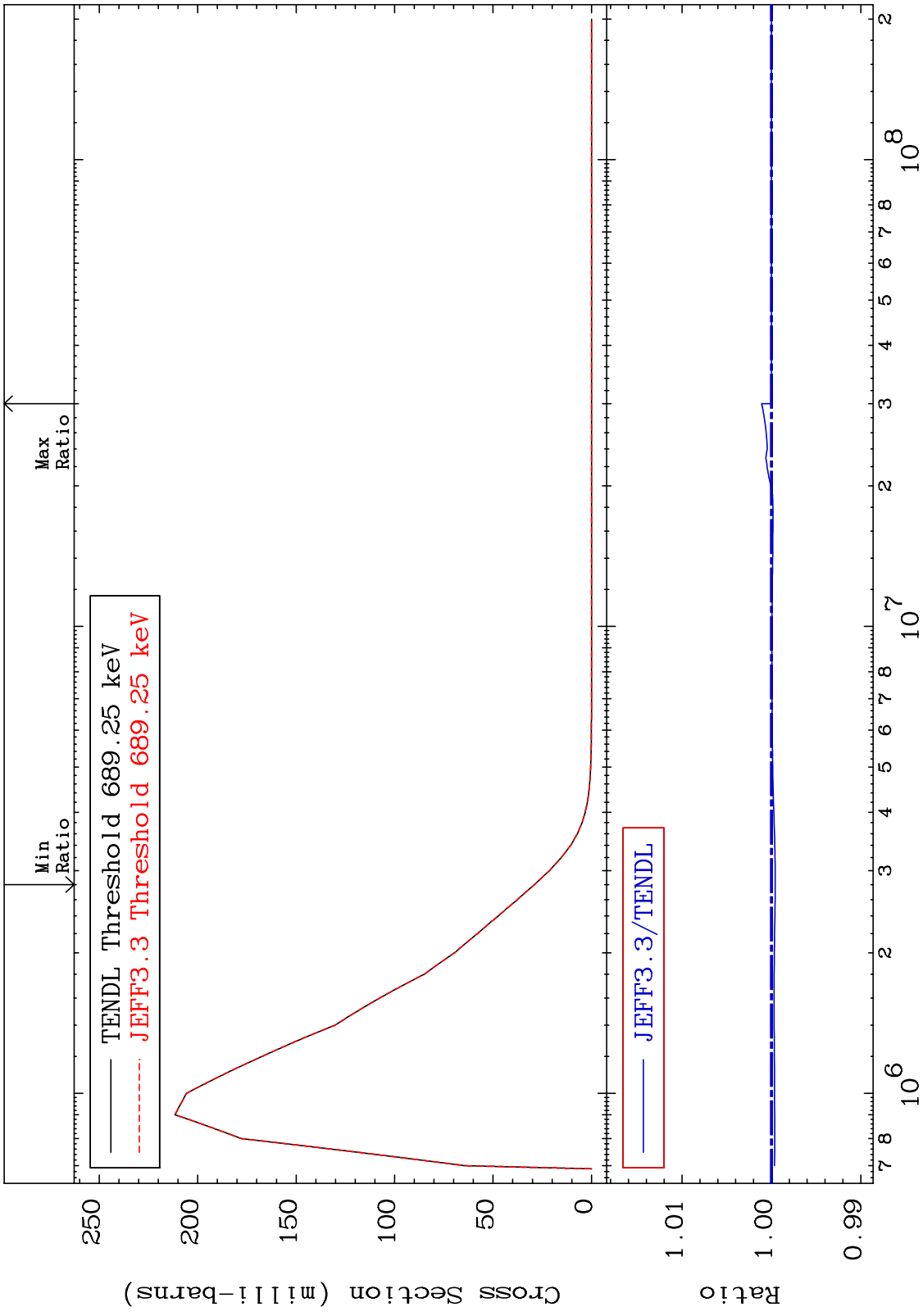
MAT 6249 MT= 51 (n,n') Level 62-Sm-152
 Cross Section -0.095 To 0.000 %



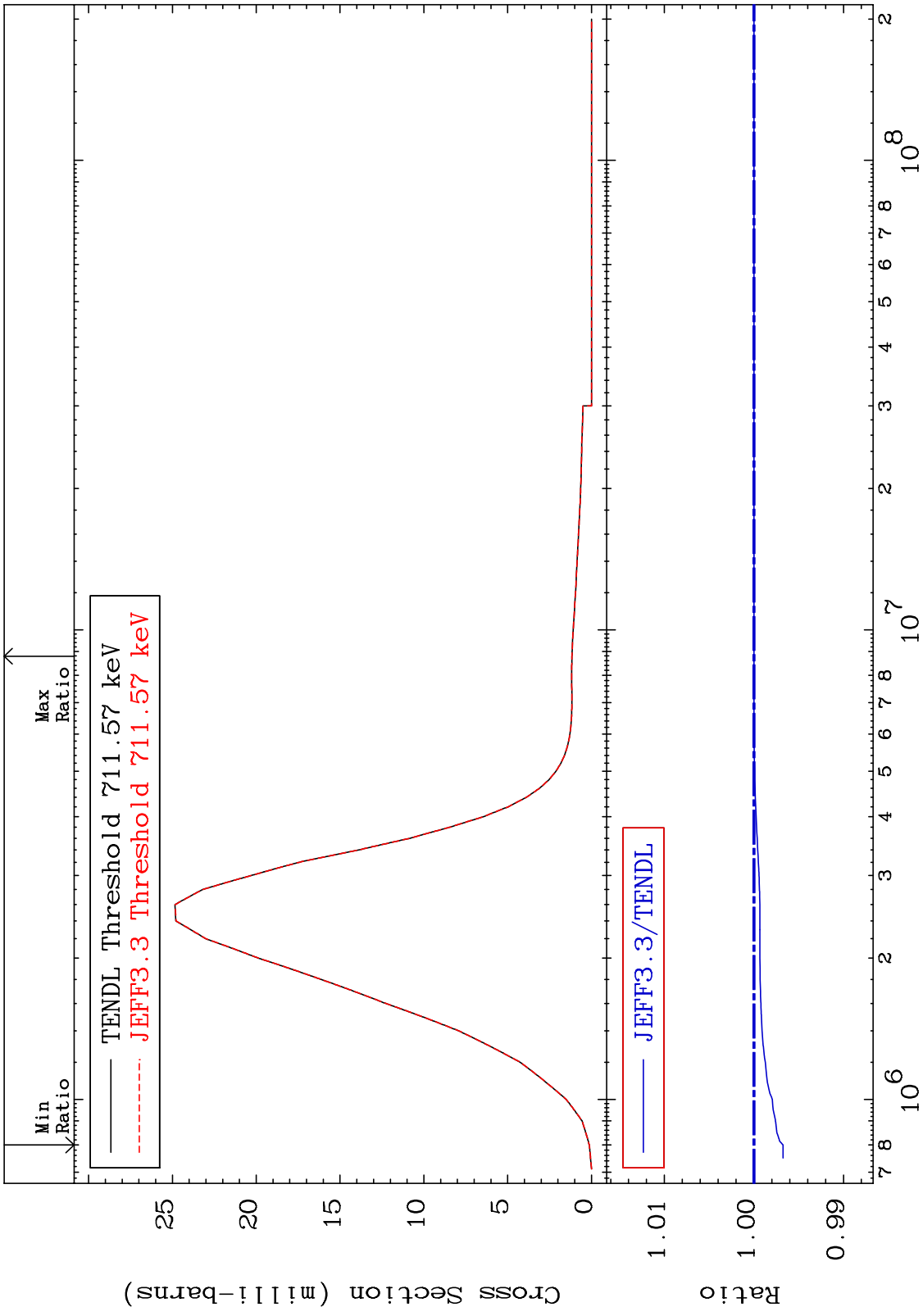
MAT 6249 MT= 52 (n,n') Level 62-Sm-152
 Cross Section -0.372 To 0.000 %



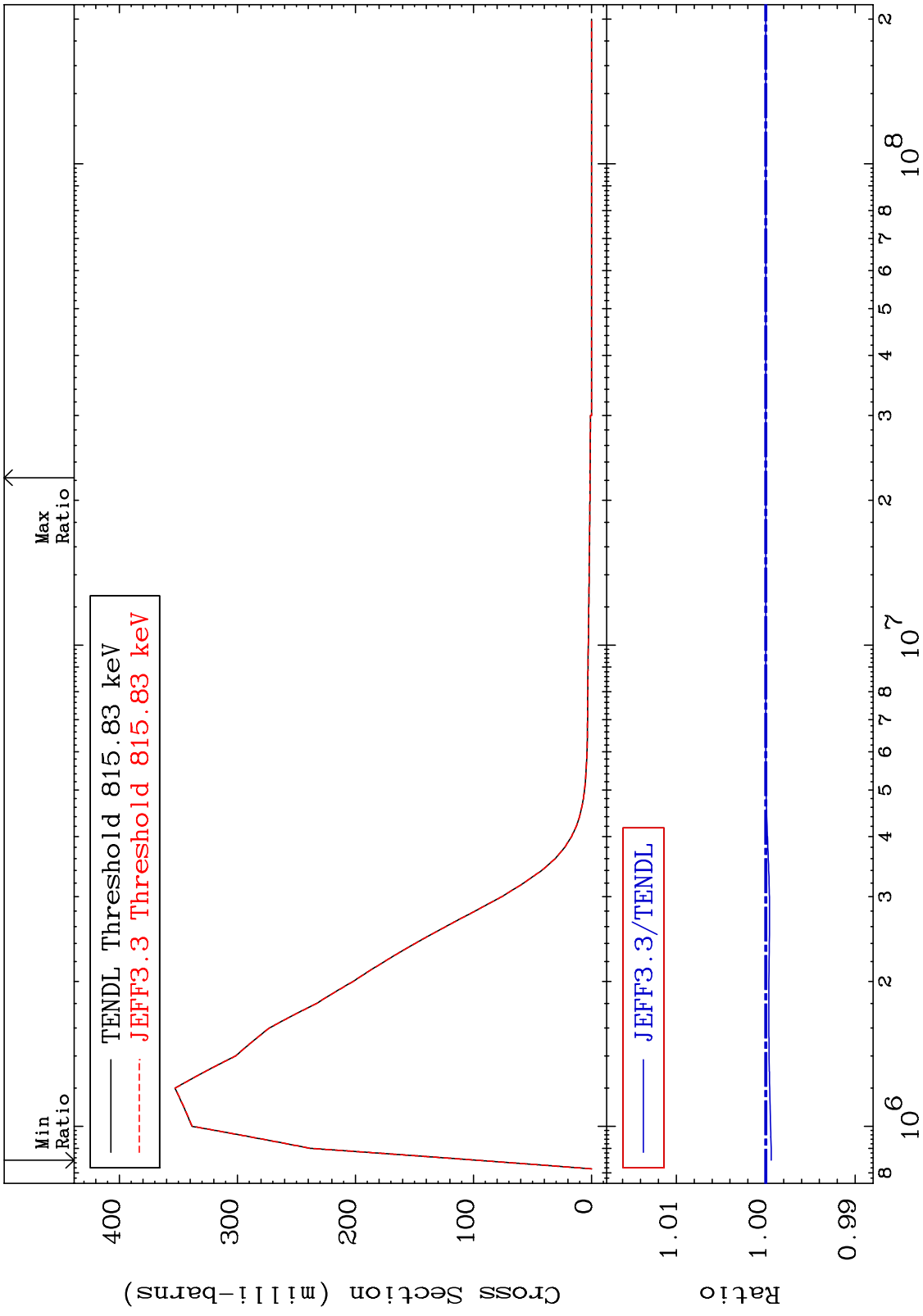
MAT 6249 MT= 53 (n,n') Level Cross Section 62-Sm-152
 -0.043 To 0.109 %



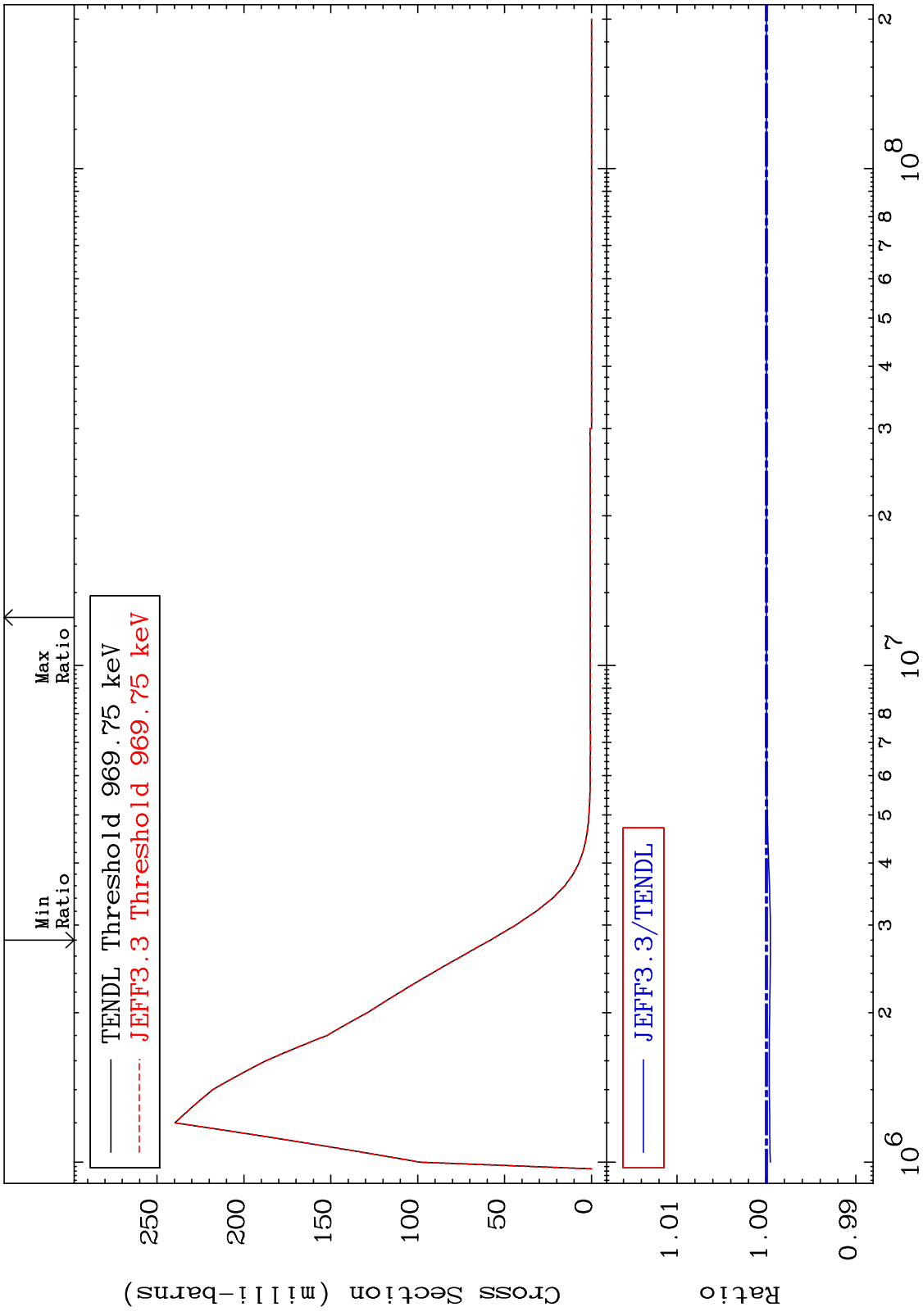
MAT 6249 MT= 54 (n,n') Level 62-Sm-152
 Cross Section -0.324 To 0.000 %



MAT 6249 MT= 55 (n,n') Level Cross Section 62-Sm-152 -0.060 To 0.000 %

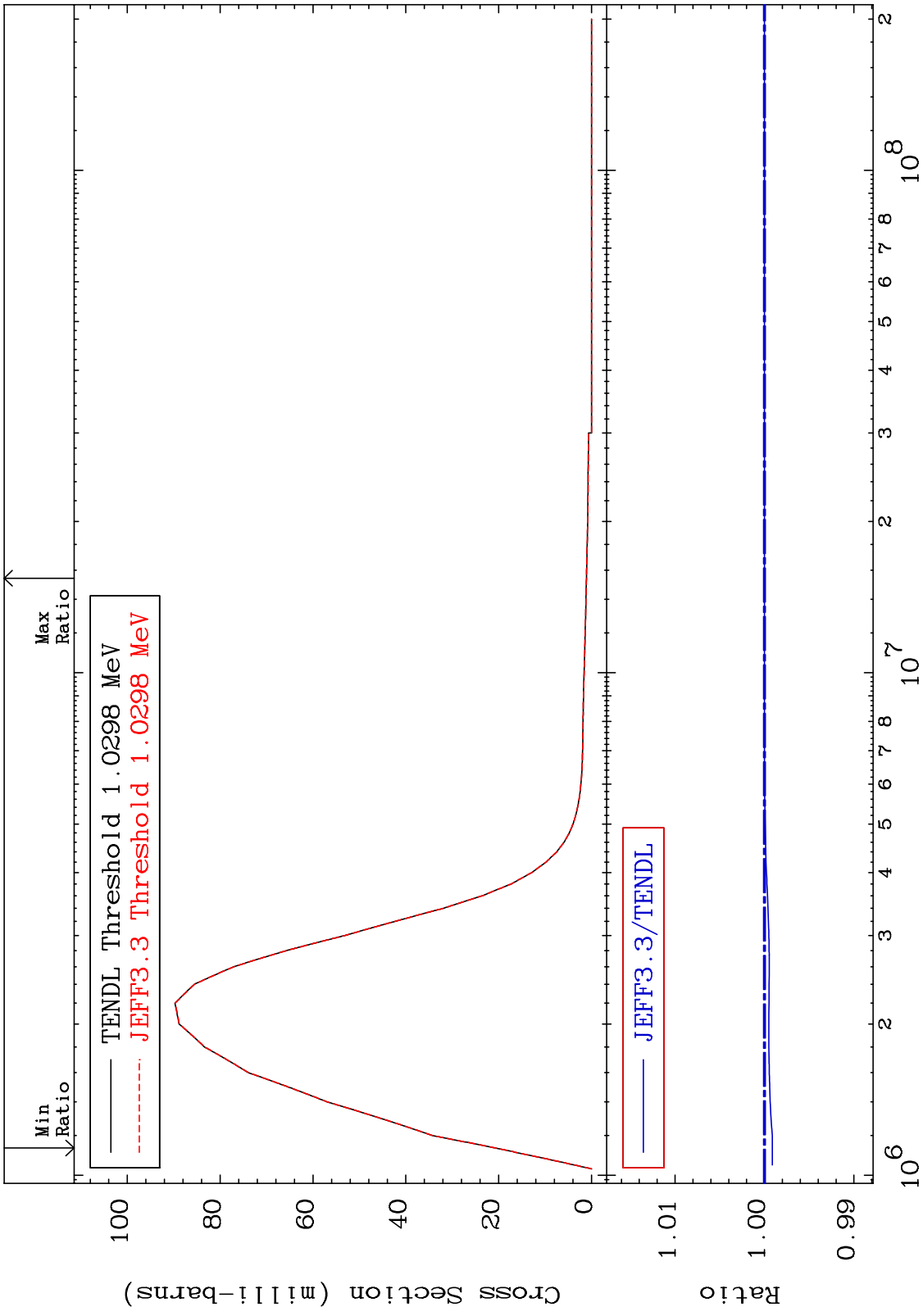


MAT 6249 MT= 56 (n,n') Level Cross Section 62-Sm-152
-0.044 To 0.000 %



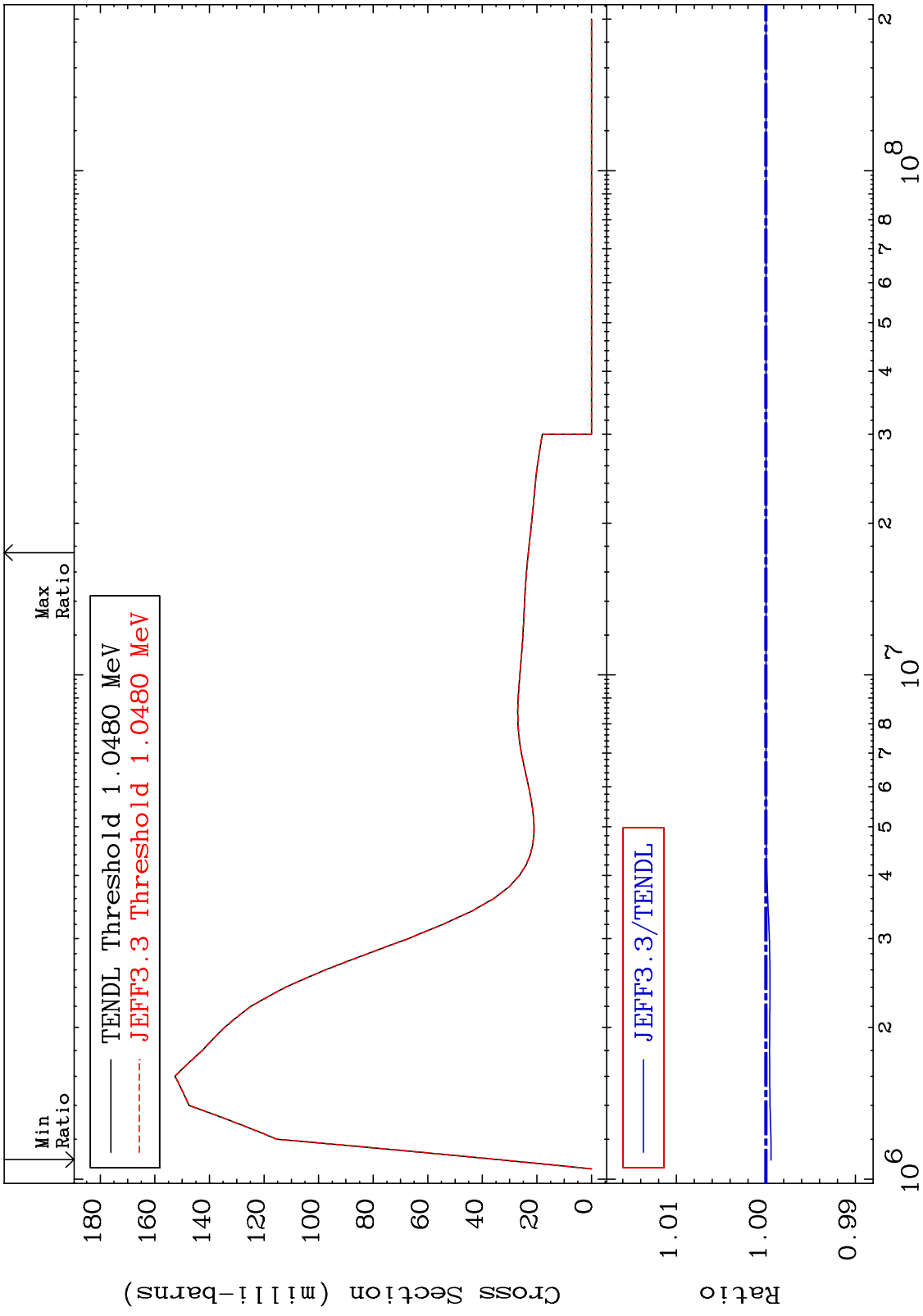
25 Incident Energy (eV) 62-Sm-152

MAT 6249 MT= 57 (n,n') Level Cross Section 62-Sm-152 -0.088 To 0.000 %



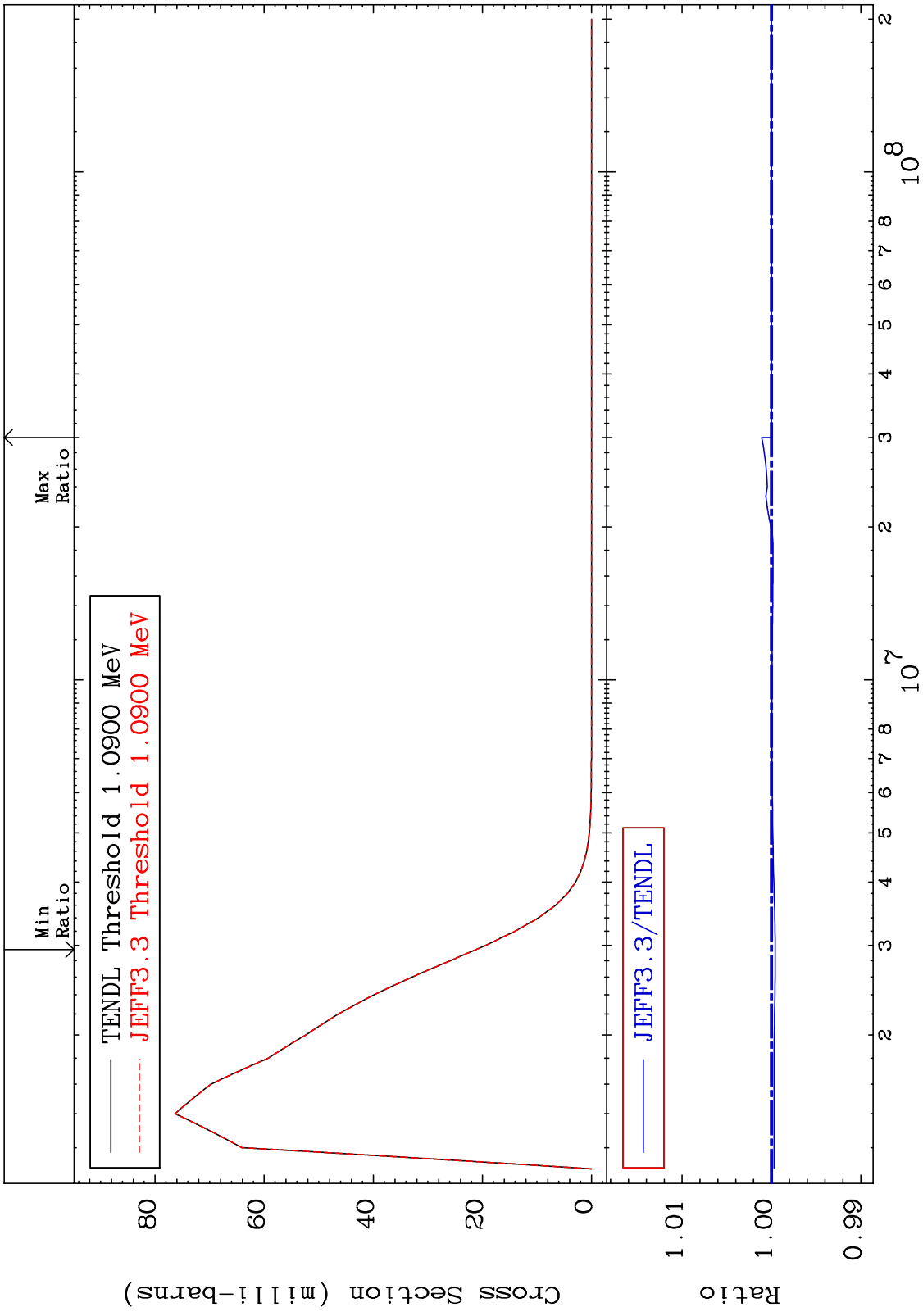
26 Incident Energy (eV) 62-Sm-152

MAT 6249 MT= 58 (n, n') Level 62-Sm-152
Cross Section -0.057 To 0.000 %

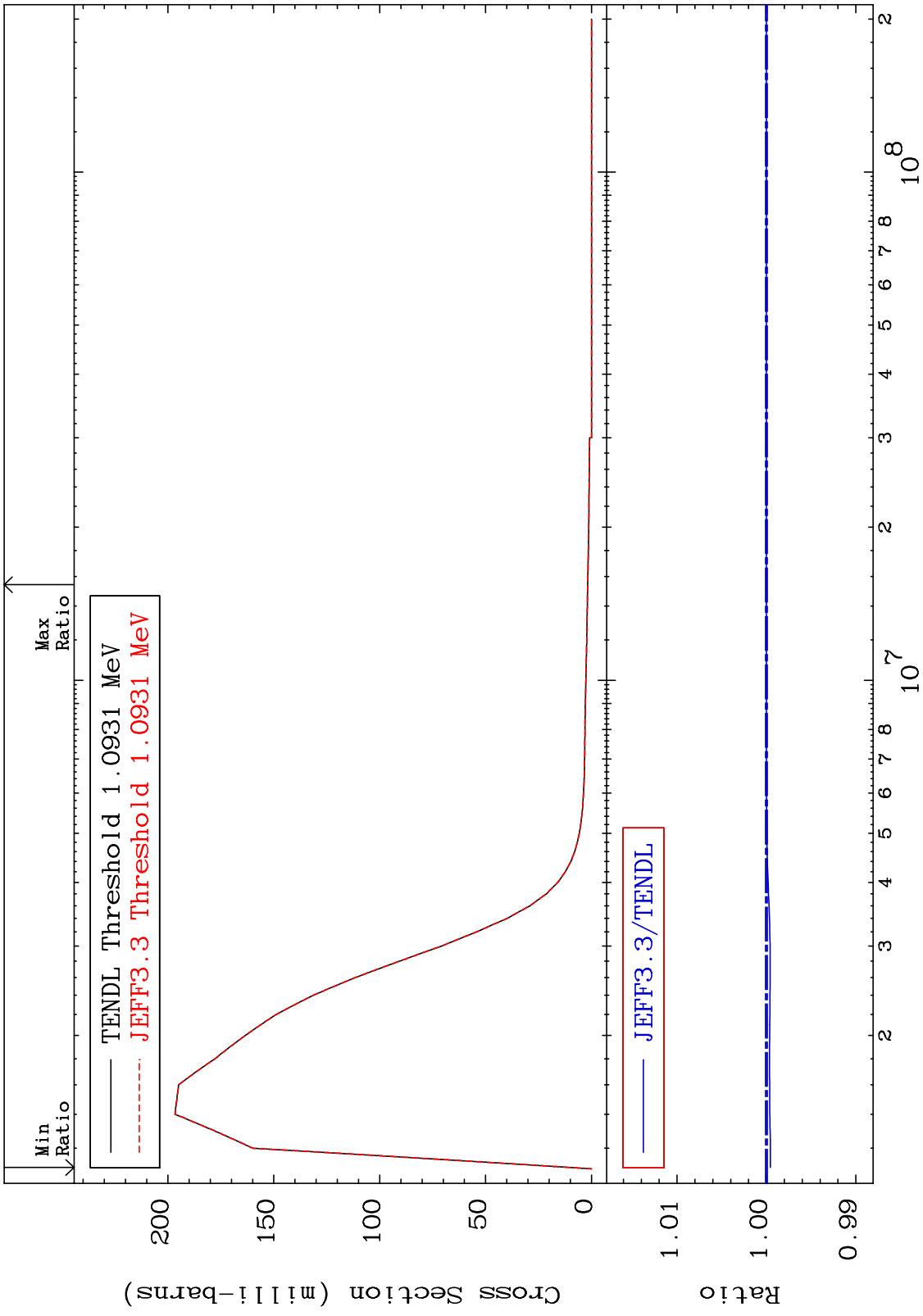


27 Incident Energy (eV) 62-Sm-152

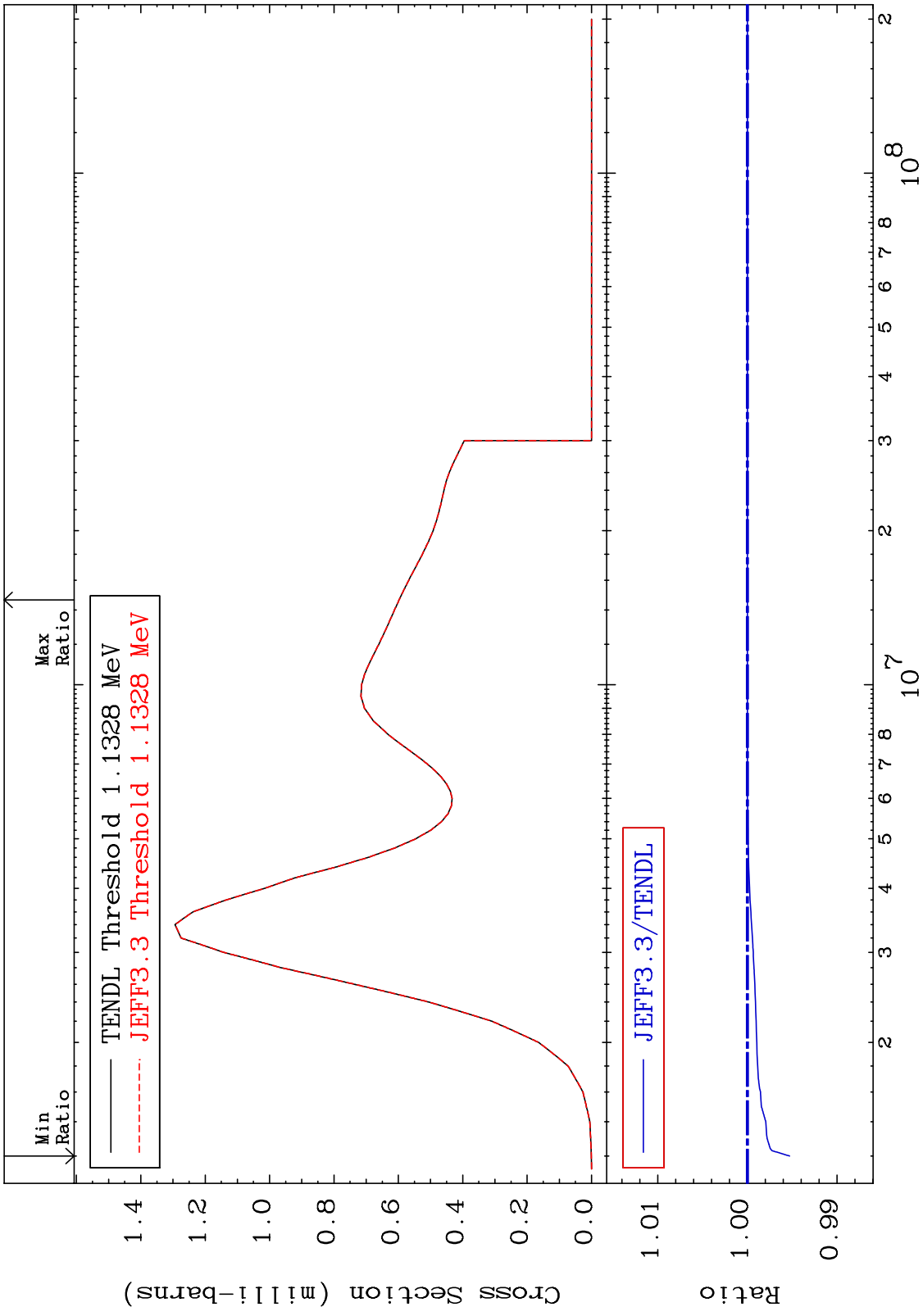
MAT 6249 MT= 59 (n,n') Level Cross Section 62-Sm-152
 -0.042 To 0.110 %



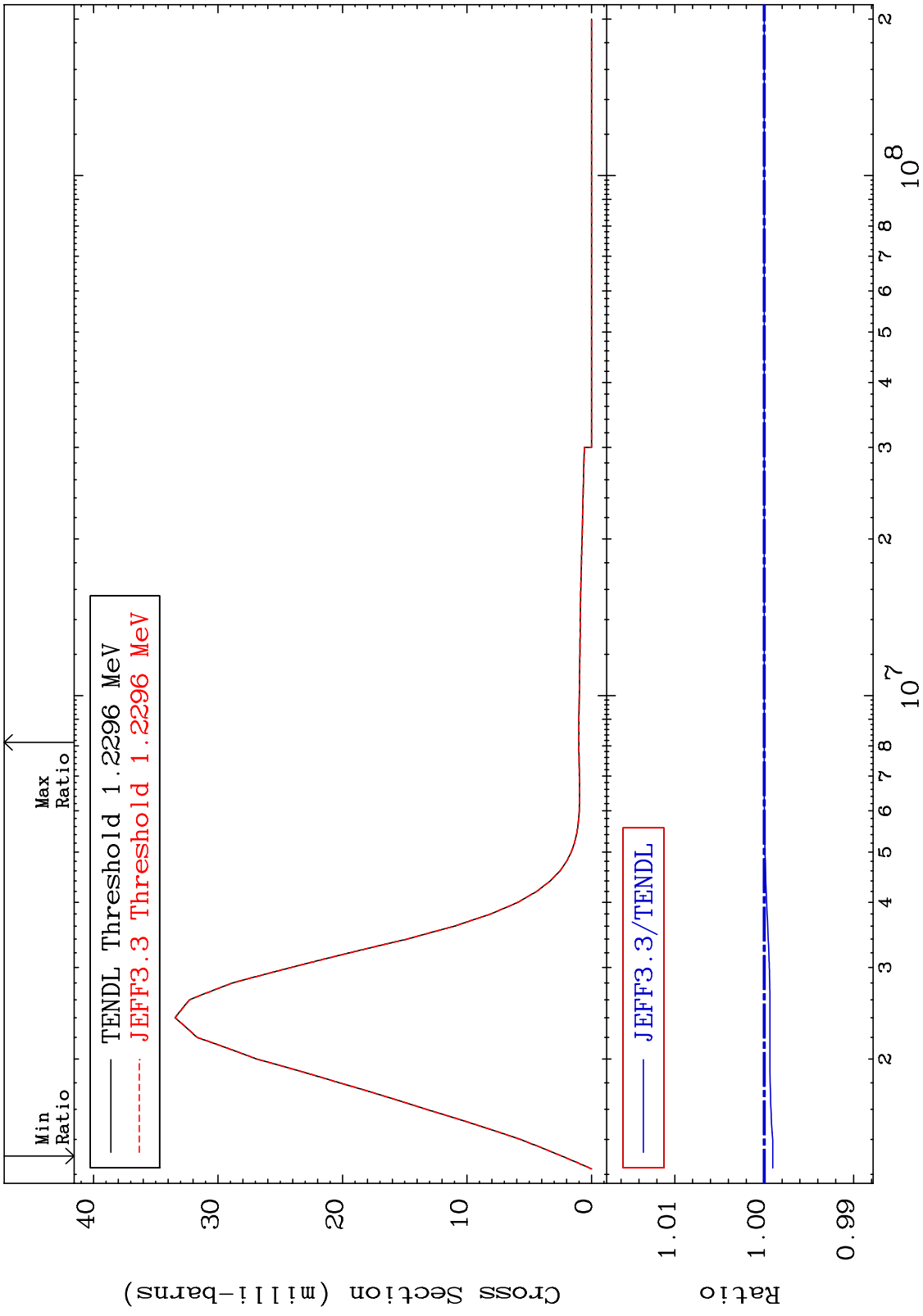
MAT 6249 MT= 60 (n,n') Level Cross Section 62-Sm-152
 -0.044 To 0.000 %



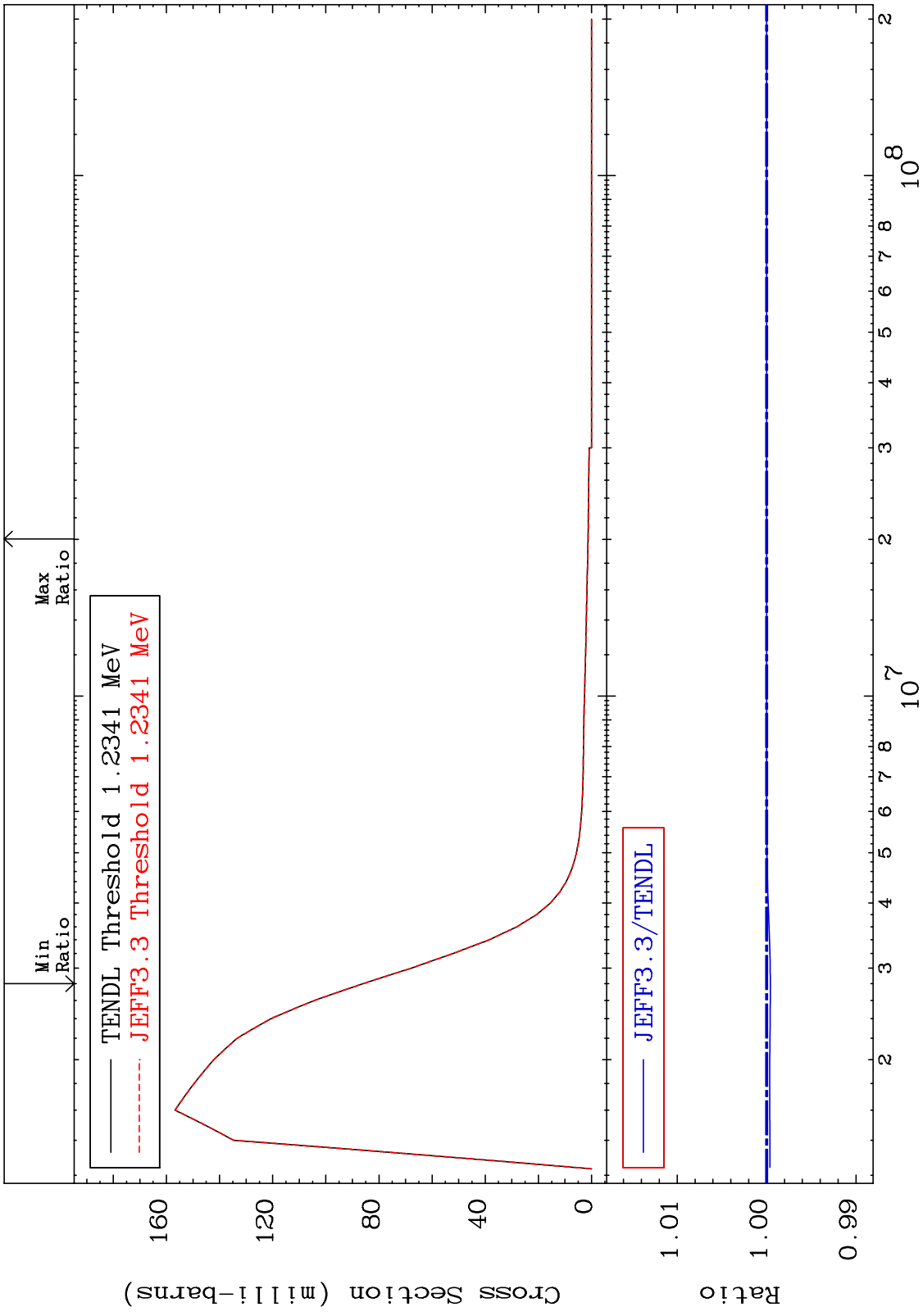
MAT 6249 MT= 61 (n,n') Level 62-Sm-152
 Cross Section -0.471 To 0.000 %



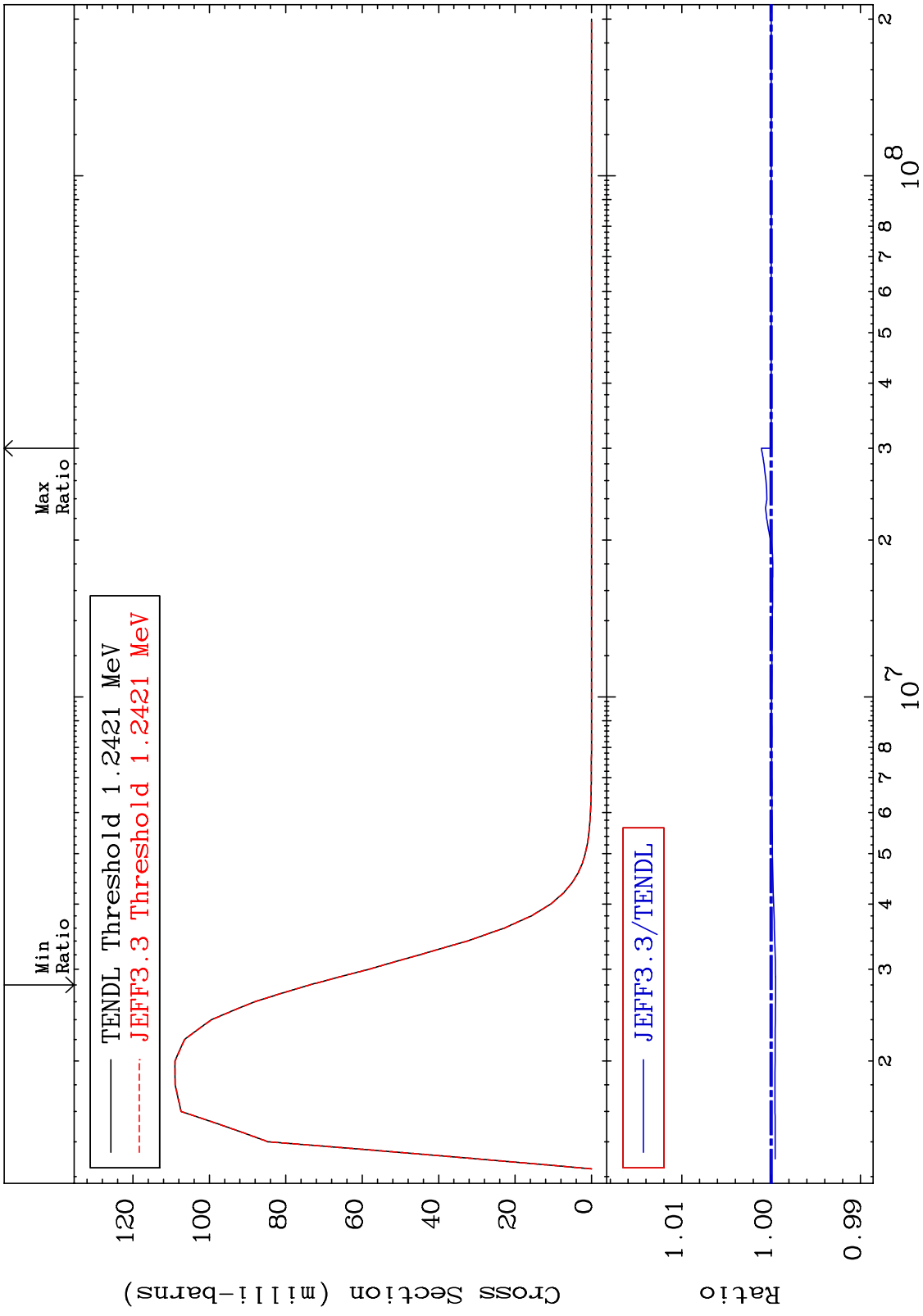
MAT 6249 MT= 62 (n,n') Level Cross Section 62-Sm-152 -0.095 To 0.000 %



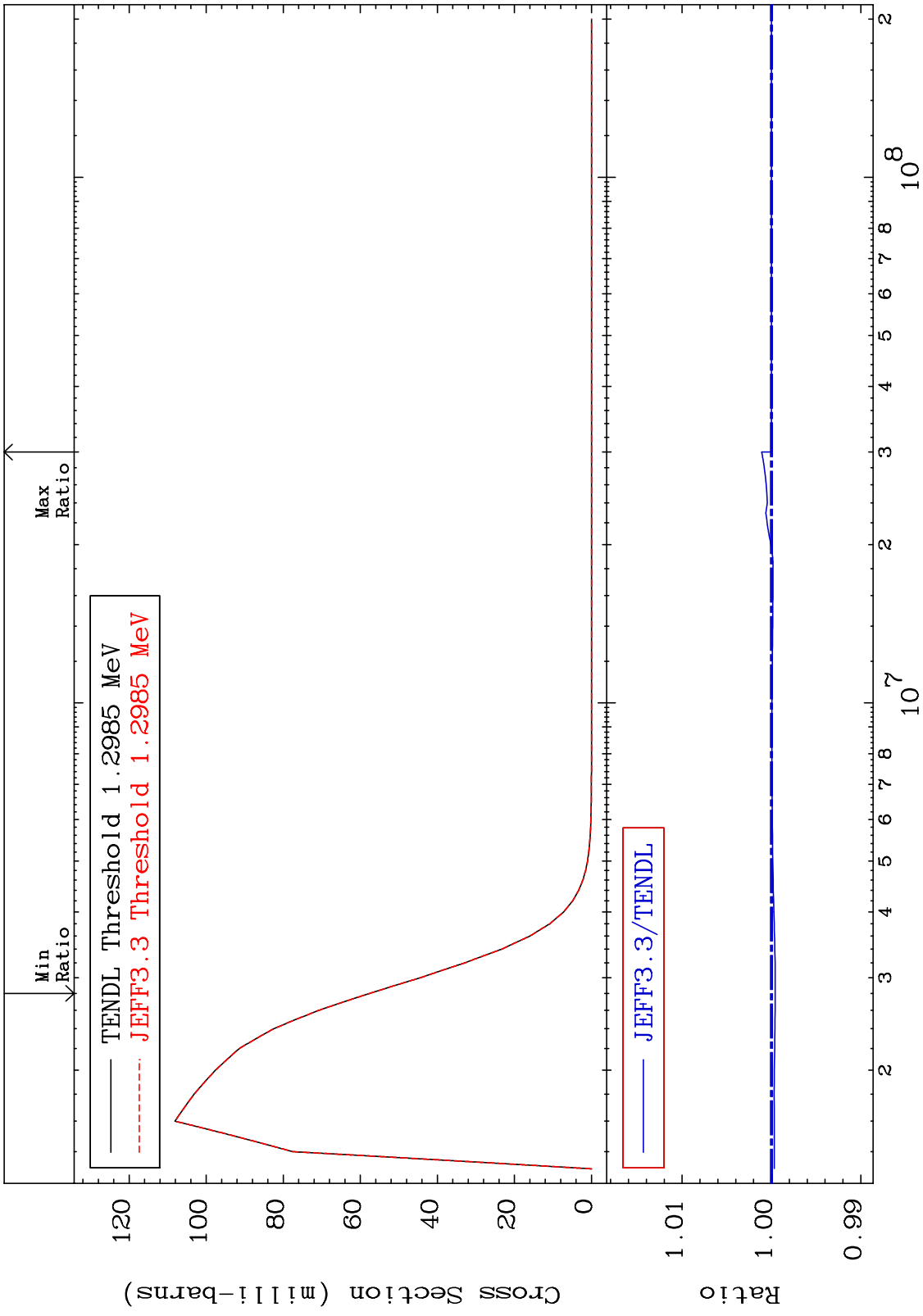
MAT 6249 MT= 63 (n, n') Level 62-Sm-152
 Cross Section -0.042 To 0.000 %



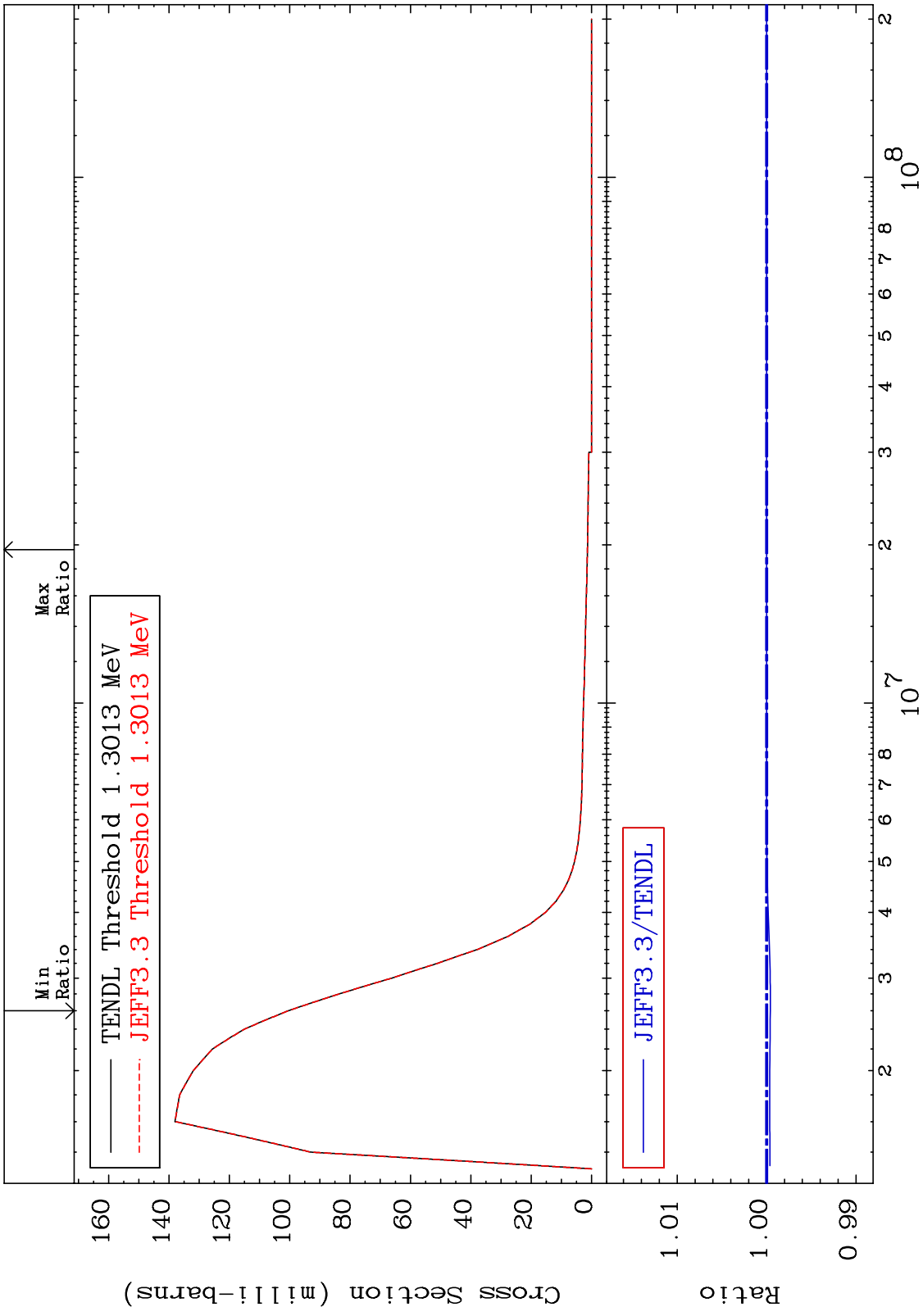
MAT 6249 MT= 64 (n,n') Level Cross Section 62-Sm-152
 -0.050 To 0.110 %



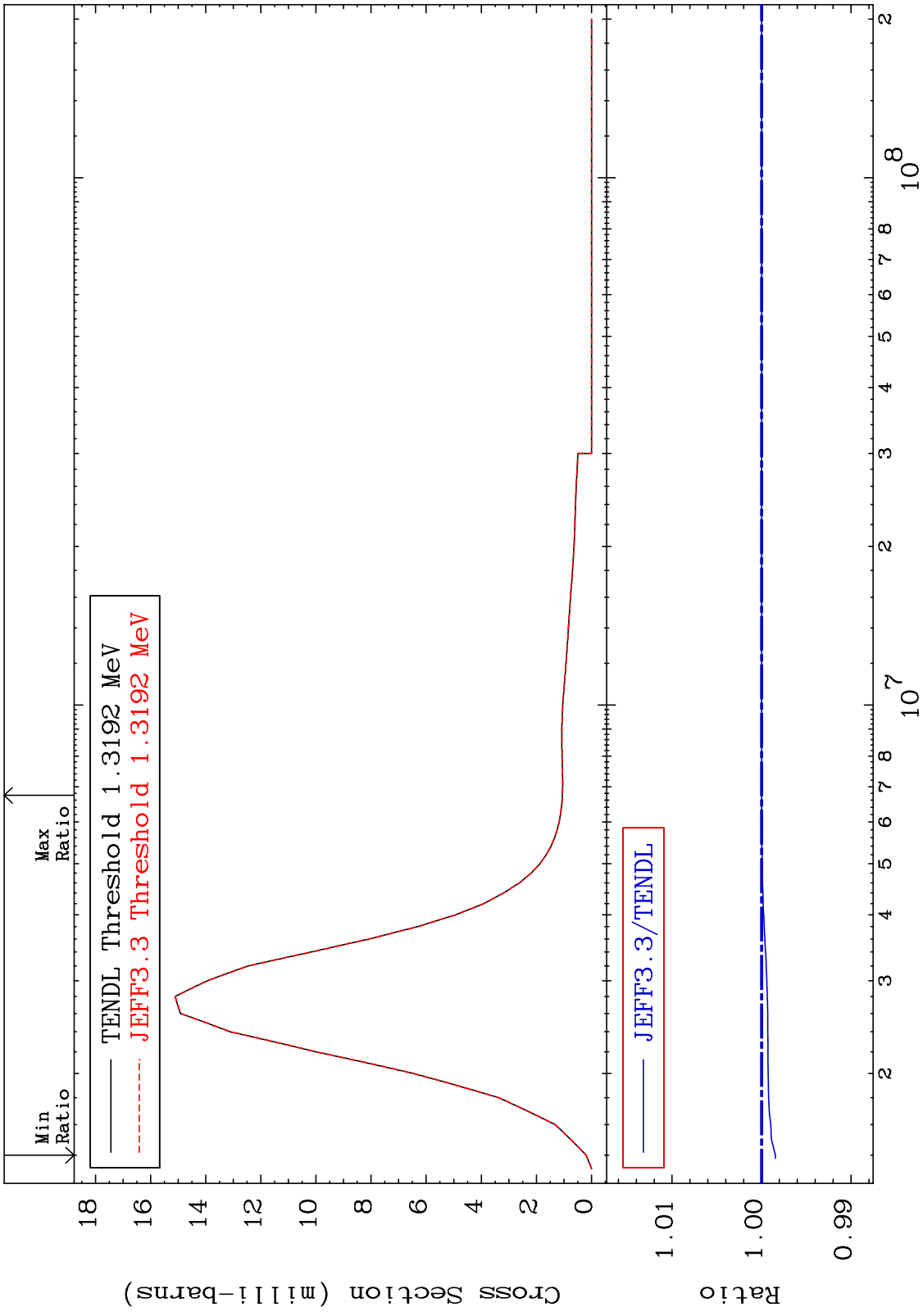
MAT 6249 MT= 65 (n,n') Level Cross Section 62-Sm-152
 -0.042 To 0.110 %



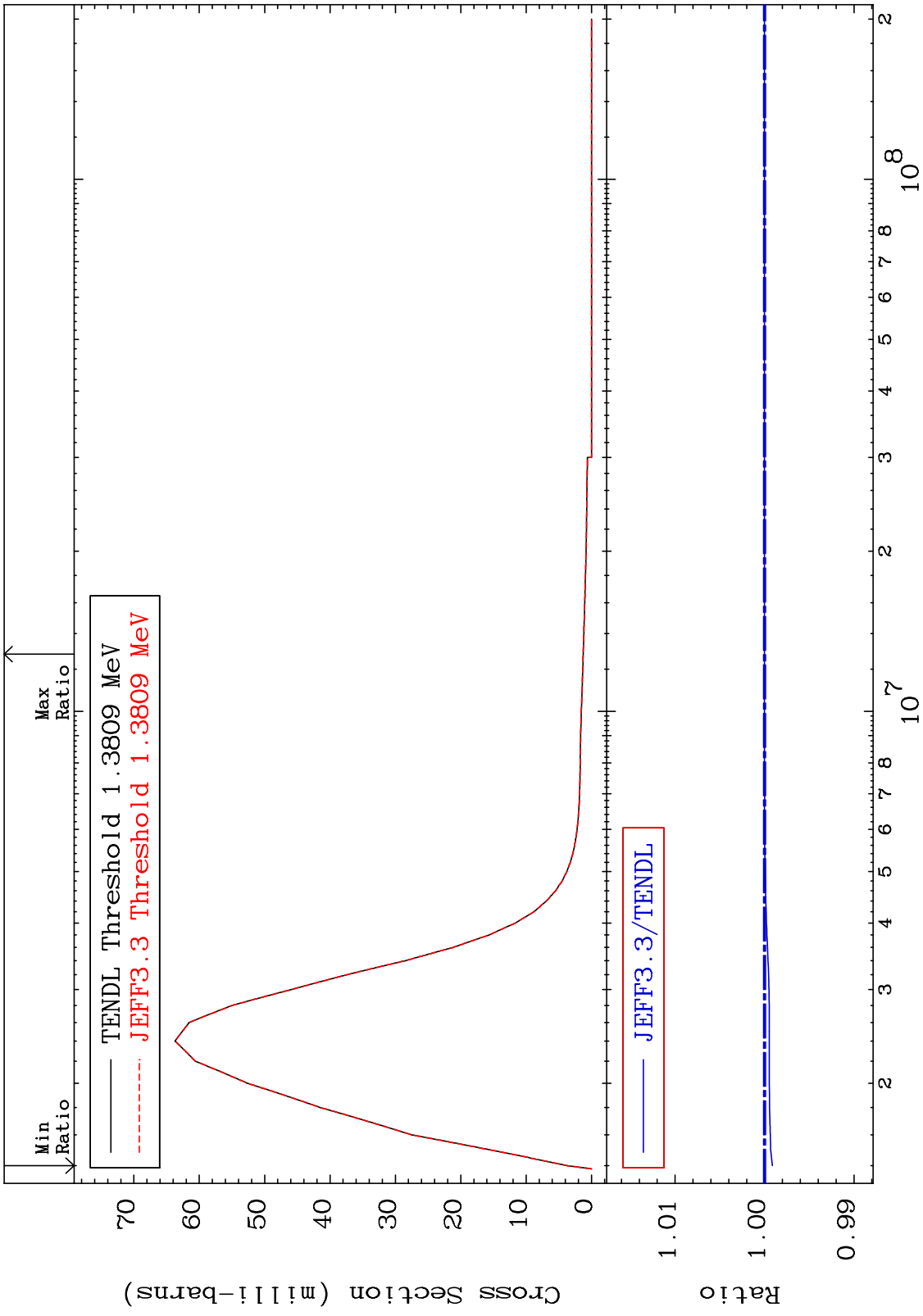
MAT 6249 MT= 66 (n,n') Level Cross Section 62-Sm-152
 -0.042 To 0.000 %



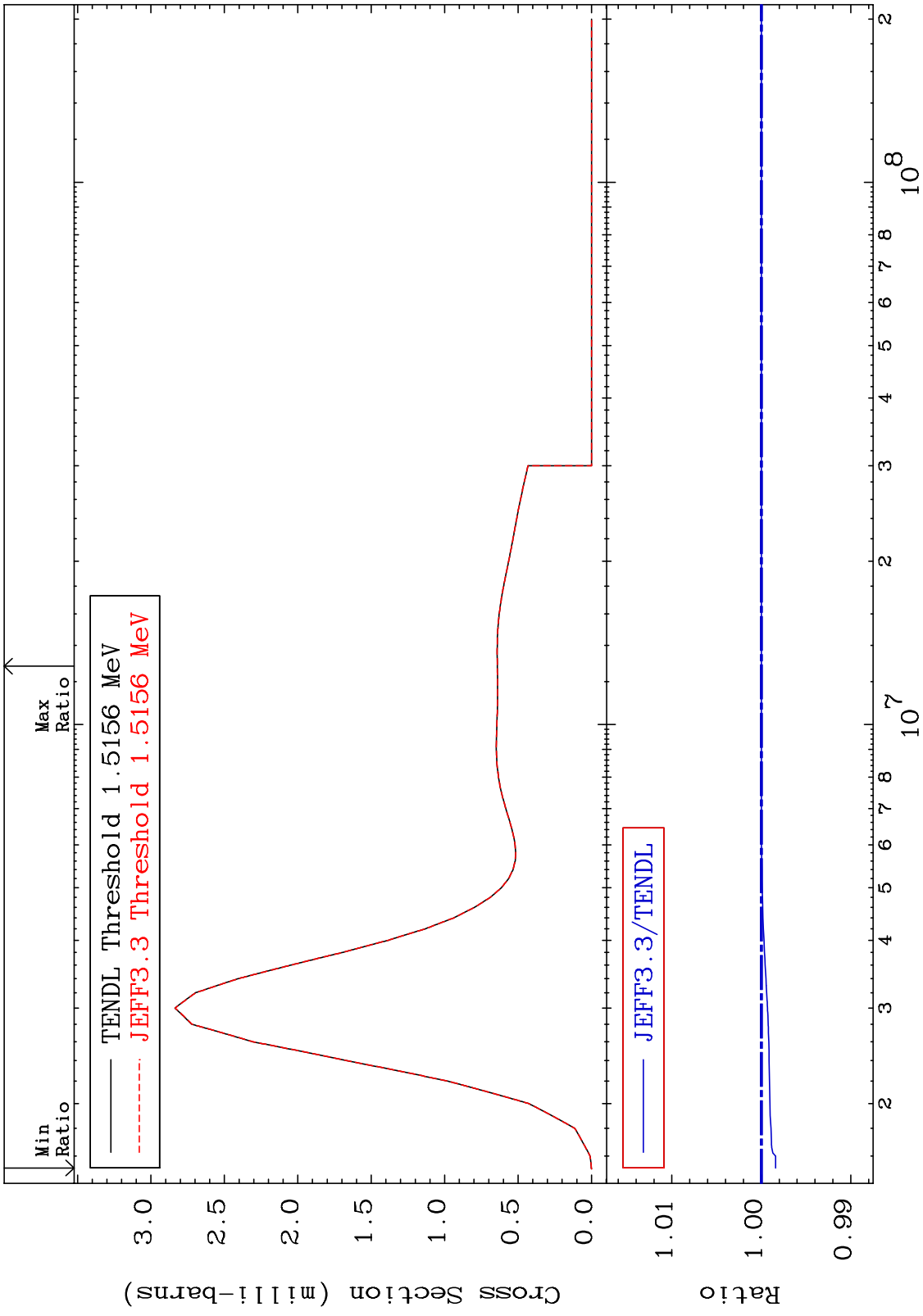
MAT 6249 MT= 67 (n,n') Level 62-Sm-152
 Cross Section -0.155 To 0.000 %



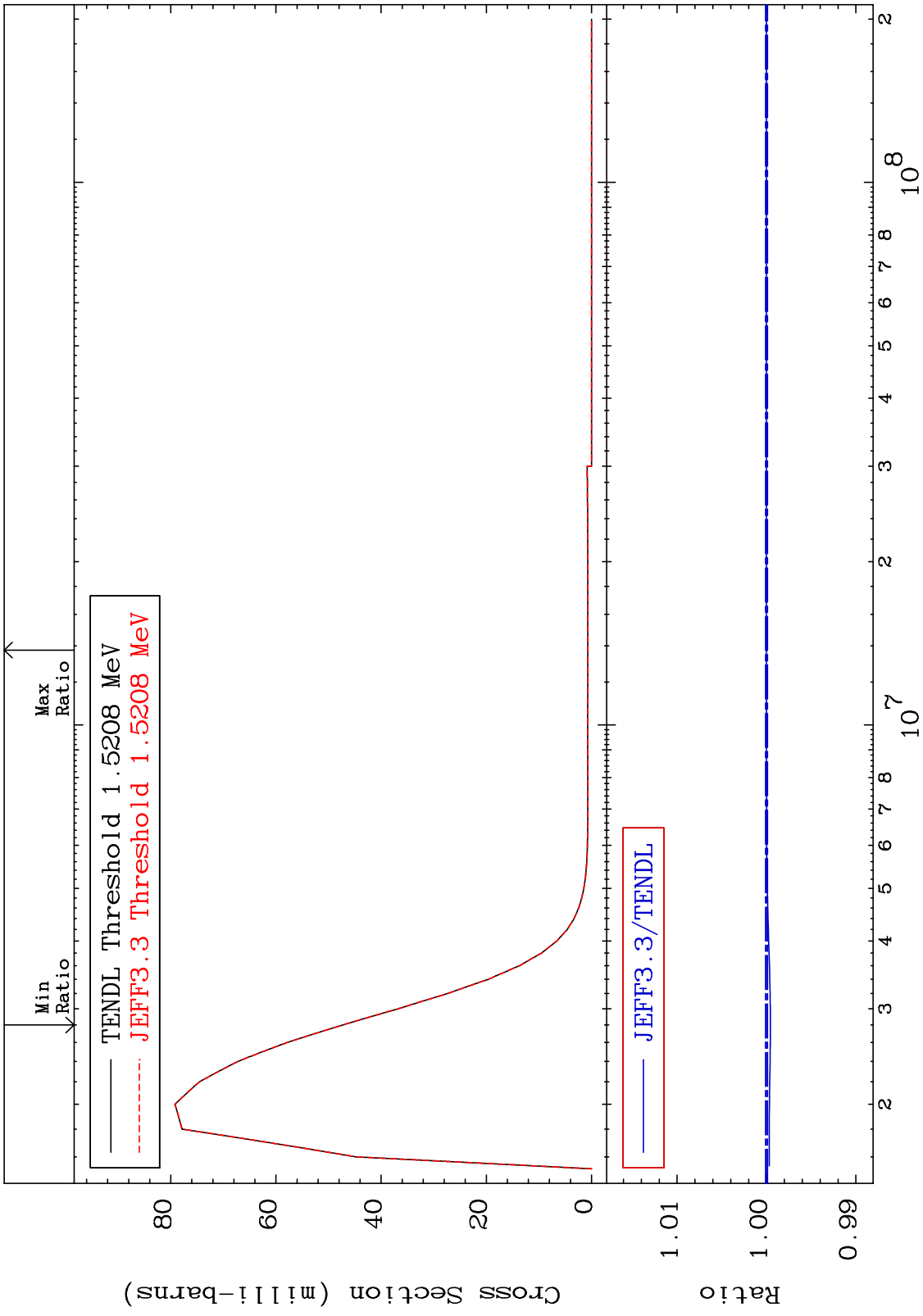
MAT 6249 MT= 68 (n,n') Level Cross Section 62-Sm-152
 -0.087 To 0.000 %



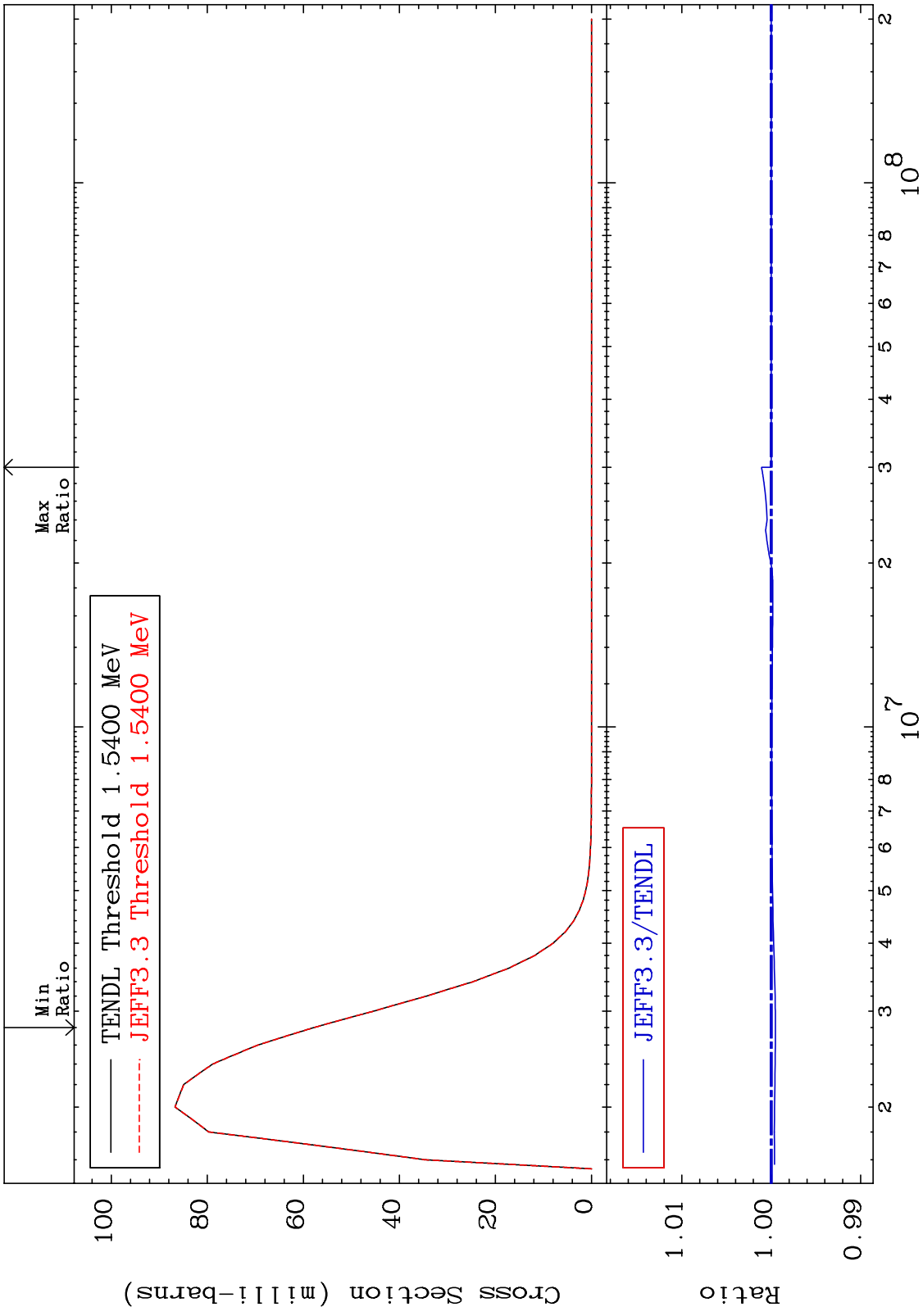
MAT 6249 MT= 69 (n,n') Level Cross Section 62-Sm-152 -0.159 To 0.000 %



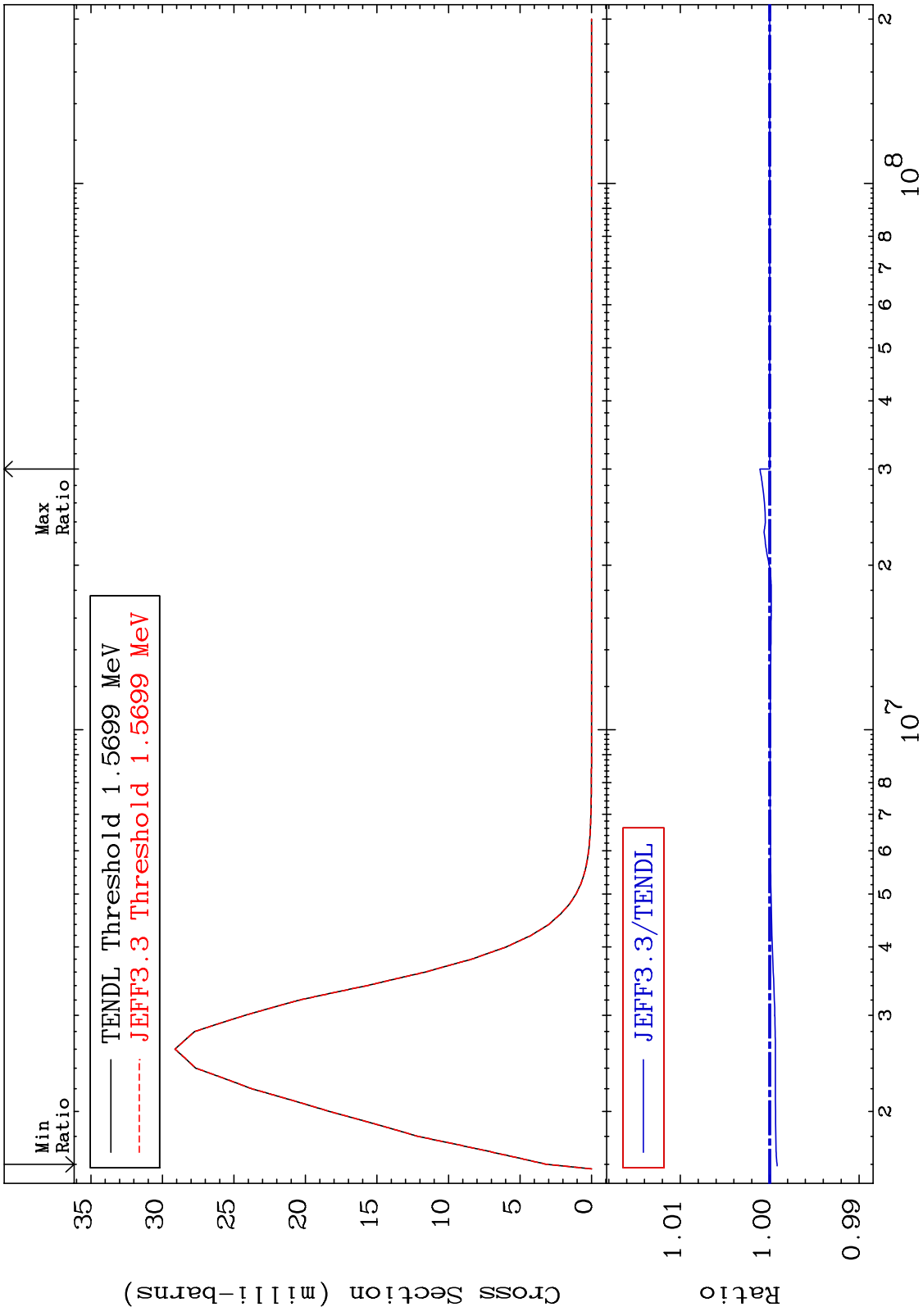
MAT 6249 MT= 70 (n,n') Level Cross Section 62-Sm-152
 -0.043 To 0.000 %



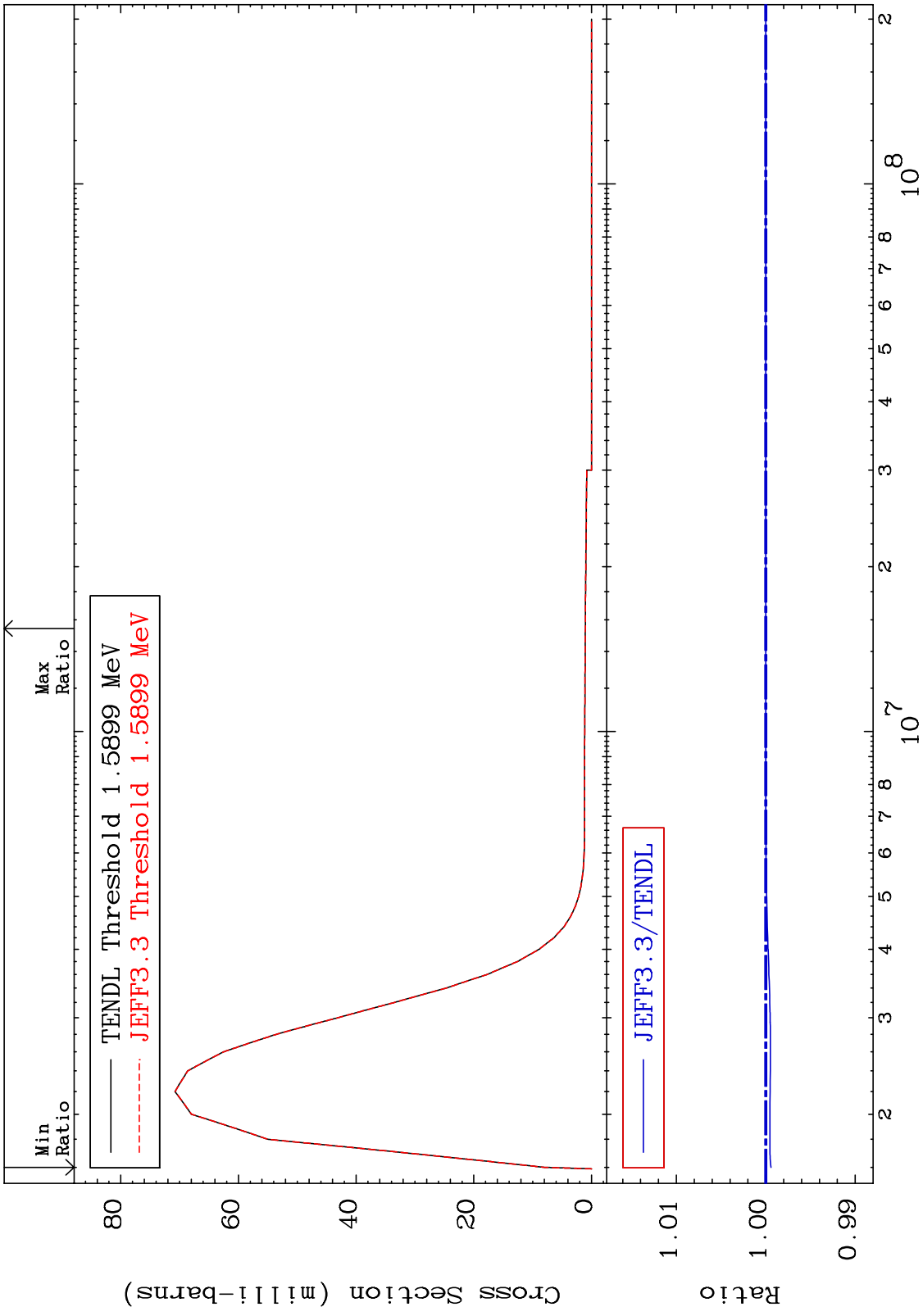
MAT 6249 MT= 71 (n,n') Level Cross Section 62-Sm-152
 -0.046 To 0.109 %



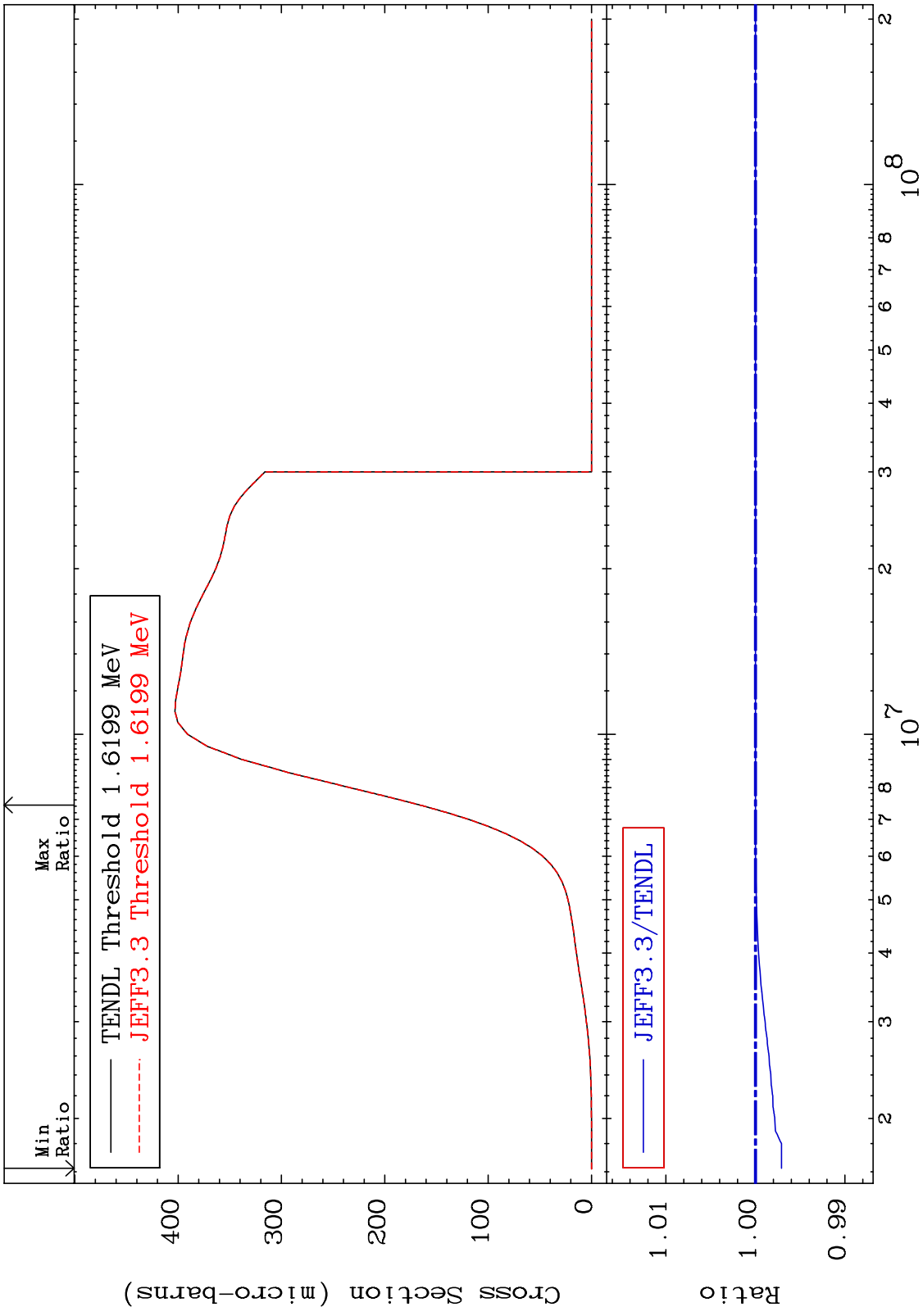
MAT 6249 MT= 72 (n,n') Level Cross Section 62-Sm-152
 -0.082 To 0.110 %



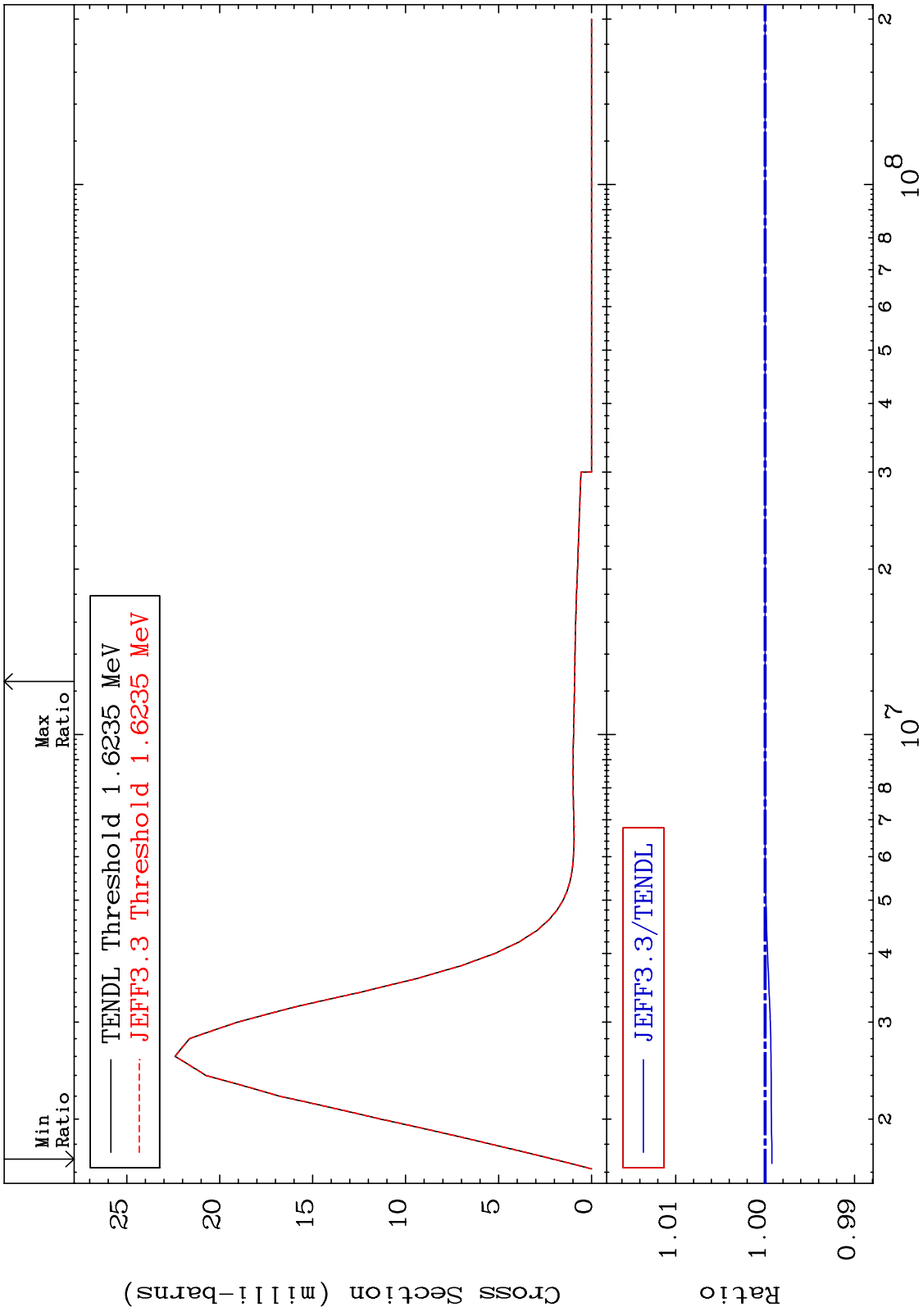
MAT 6249 MT= 73 (n,n') Level Cross Section 62-Sm-152 -0.059 To 0.000 %



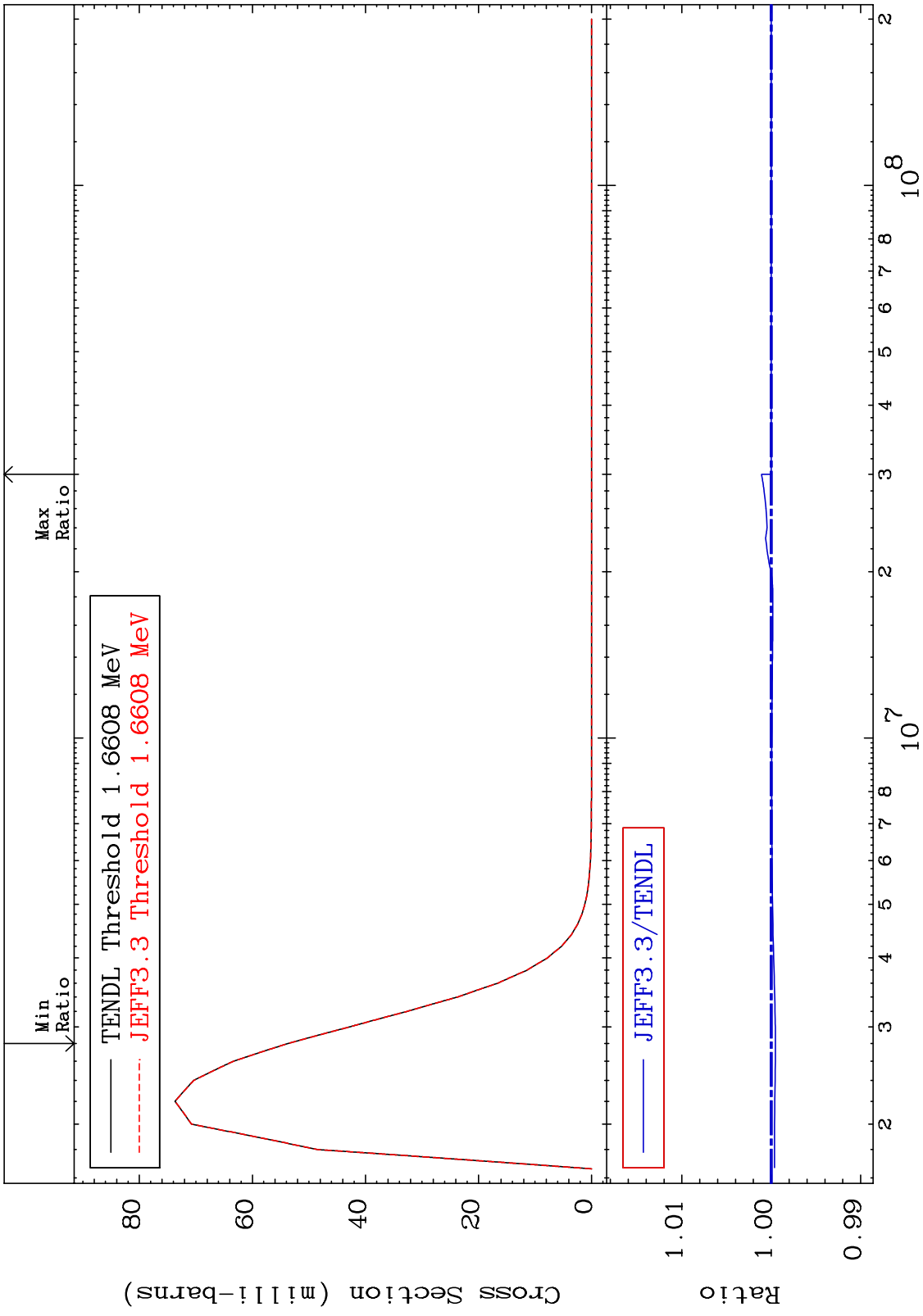
MAT 6249 MT= 74 (n,n') Level Cross Section 62-Sm-152
 -0.290 To 0.000 %



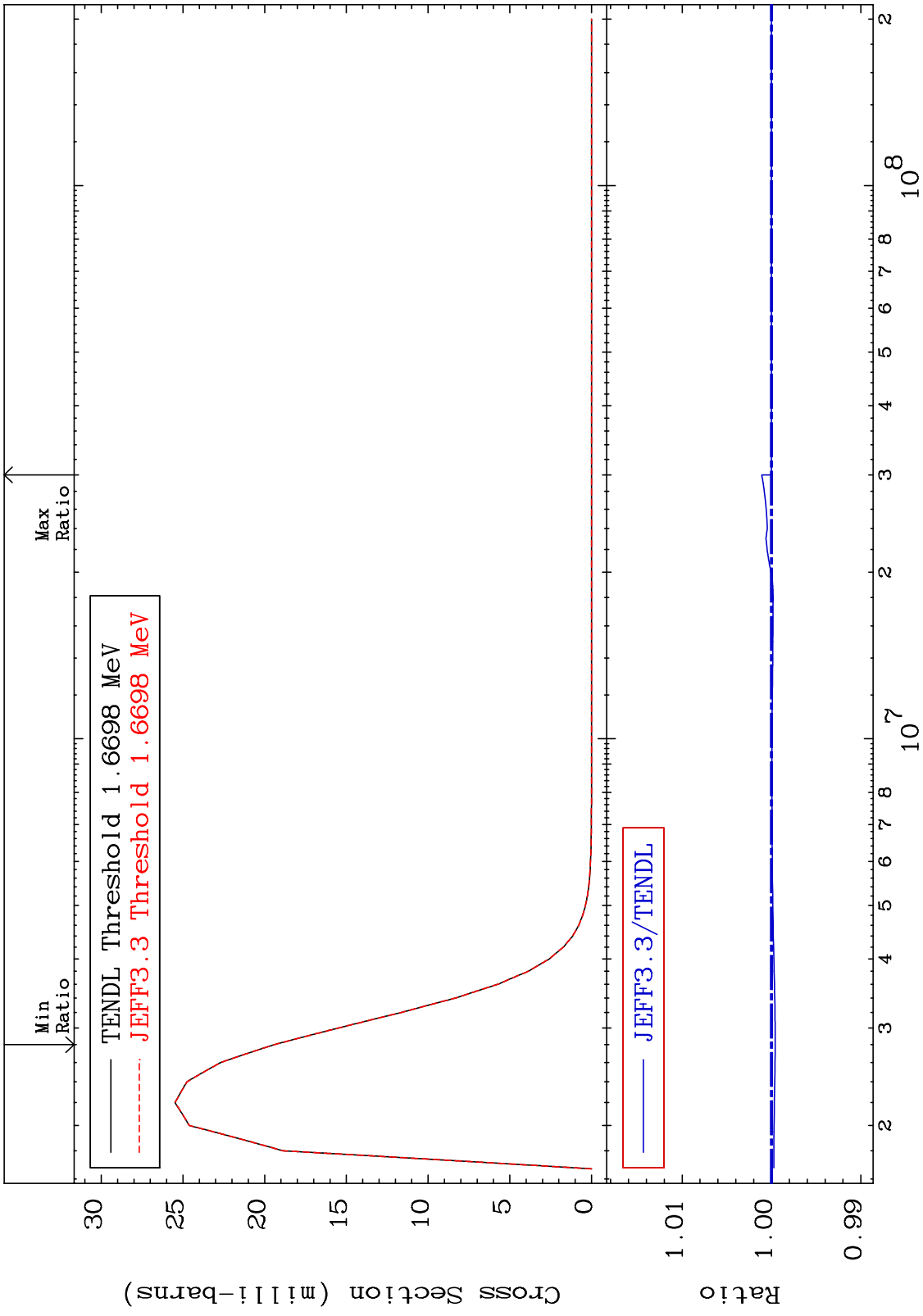
MAT 6249 MT= 75 (n,n') Level Cross Section 62-Sm-152
 -0.076 To 0.000 %



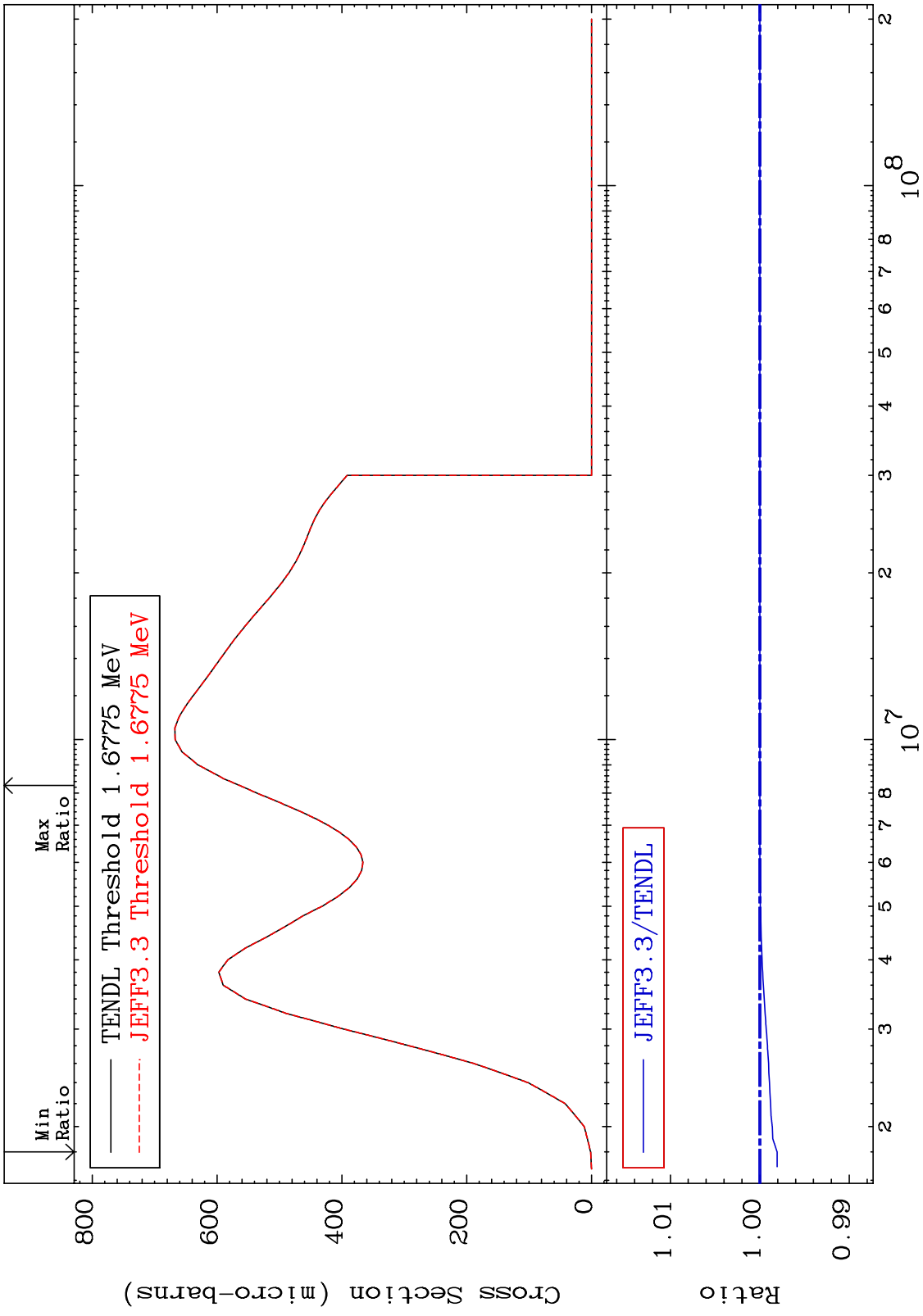
MAT 6249 MT= 76 (n,n') Level Cross Section 62-Sm-152
 -0.046 To 0.109 %



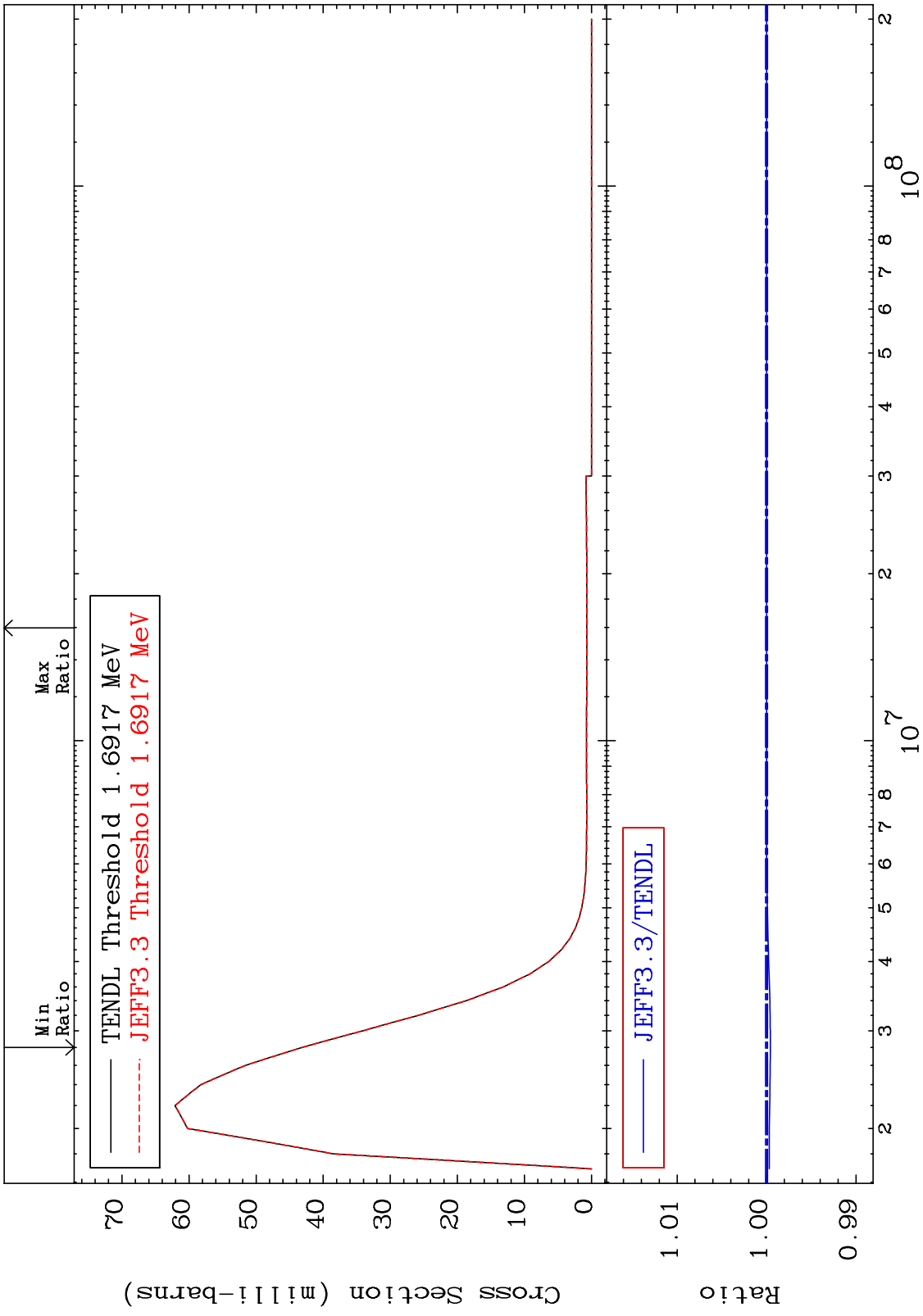
MAT 6249 MT= 77 (n,n') Level Cross Section 62-Sm-152
 -0.041 To 0.110 %



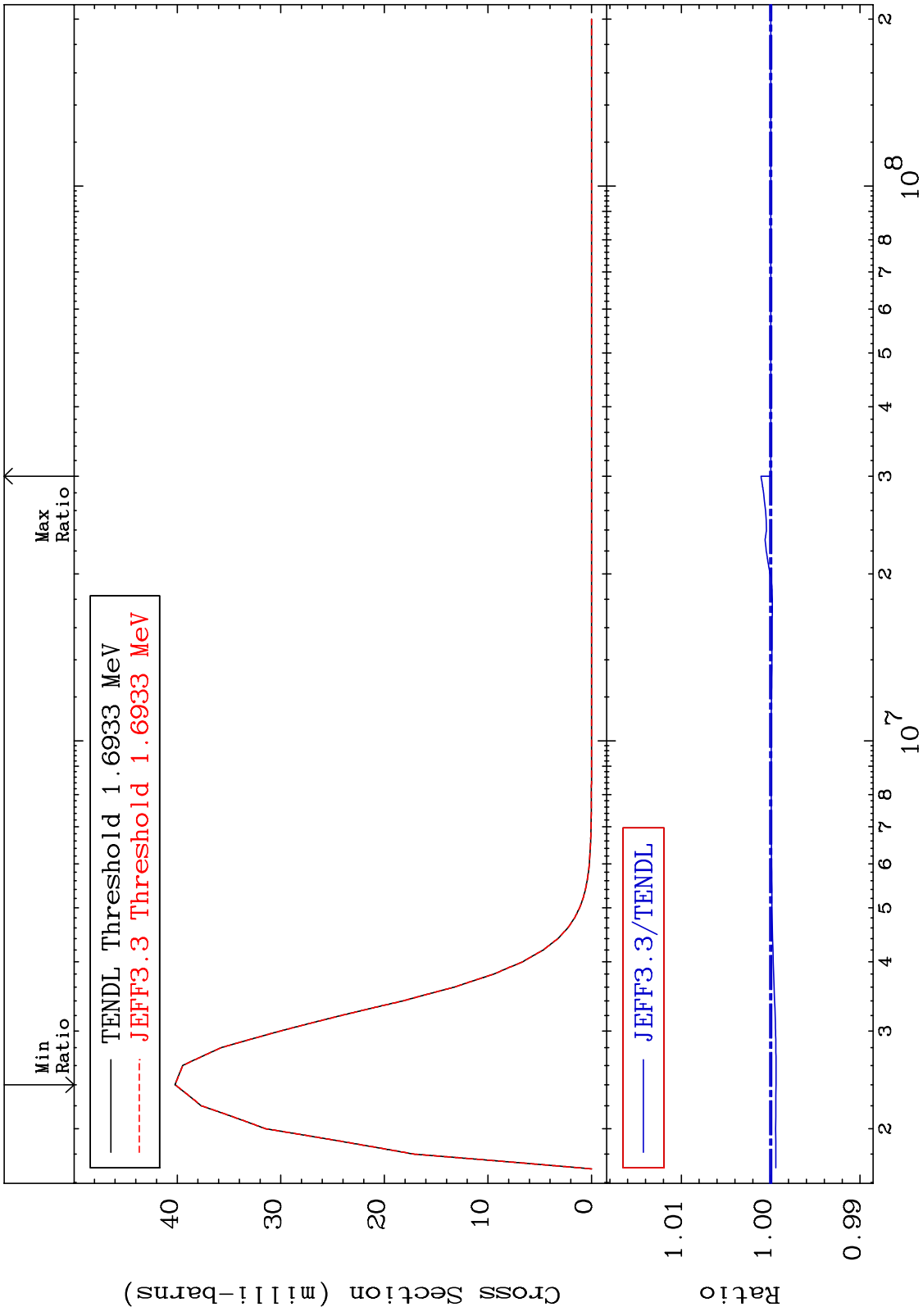
MAT 6249 MT= 78 (n,n') Level 62-Sm-152
 Cross Section -0.192 To 0.000 %



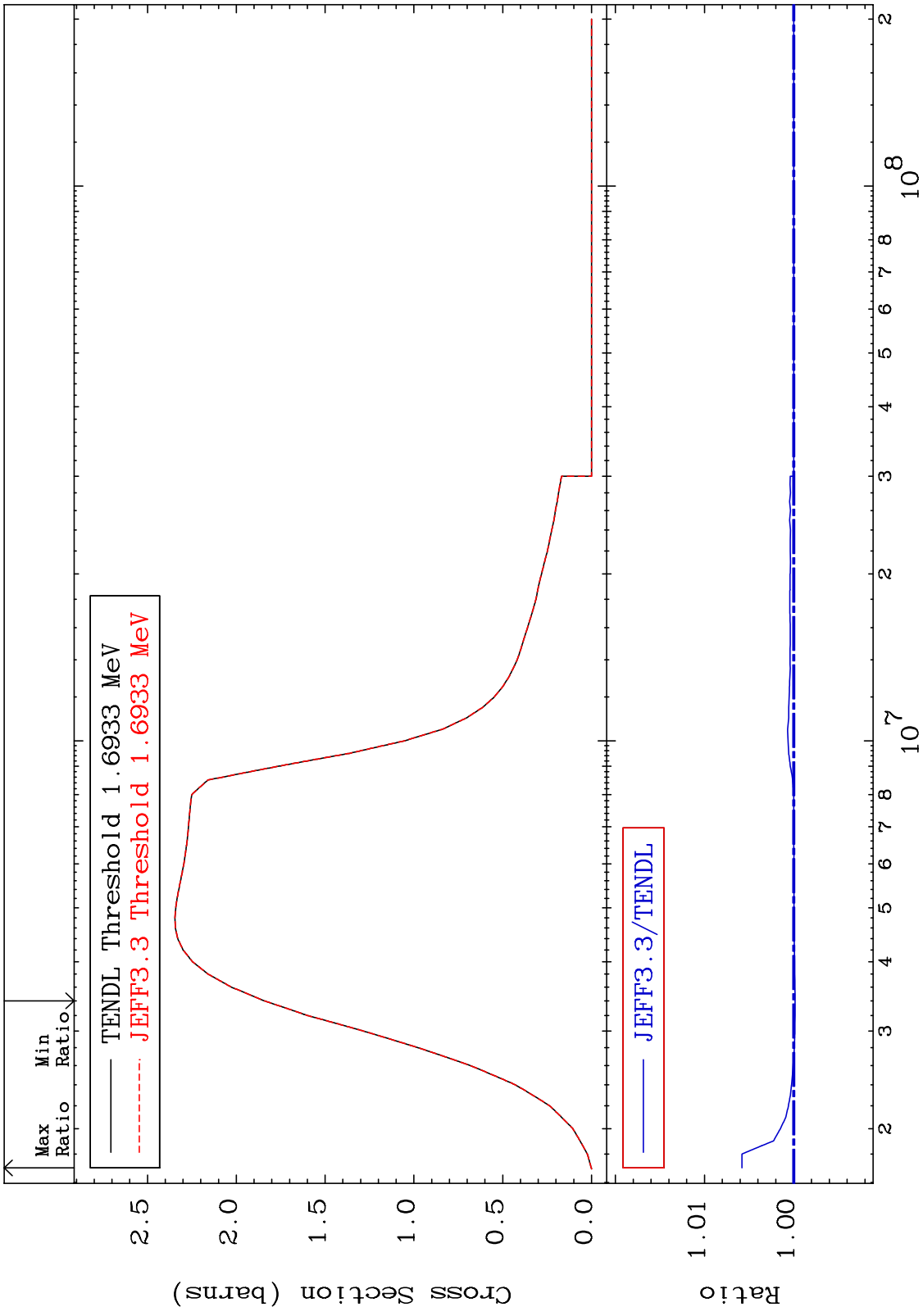
MAT 6249 MT= 79 (n,n') Level Cross Section 62-Sm-152
-0.042 To 0.000 %



MAT 6249 MT= 80 (n,n') Level Cross Section 62-Sm-152
 -0.059 To 0.110 %



MAT 6249 (n,n') Continuum Cross Section 62-Sm-152 -0.015 To 0.581 %



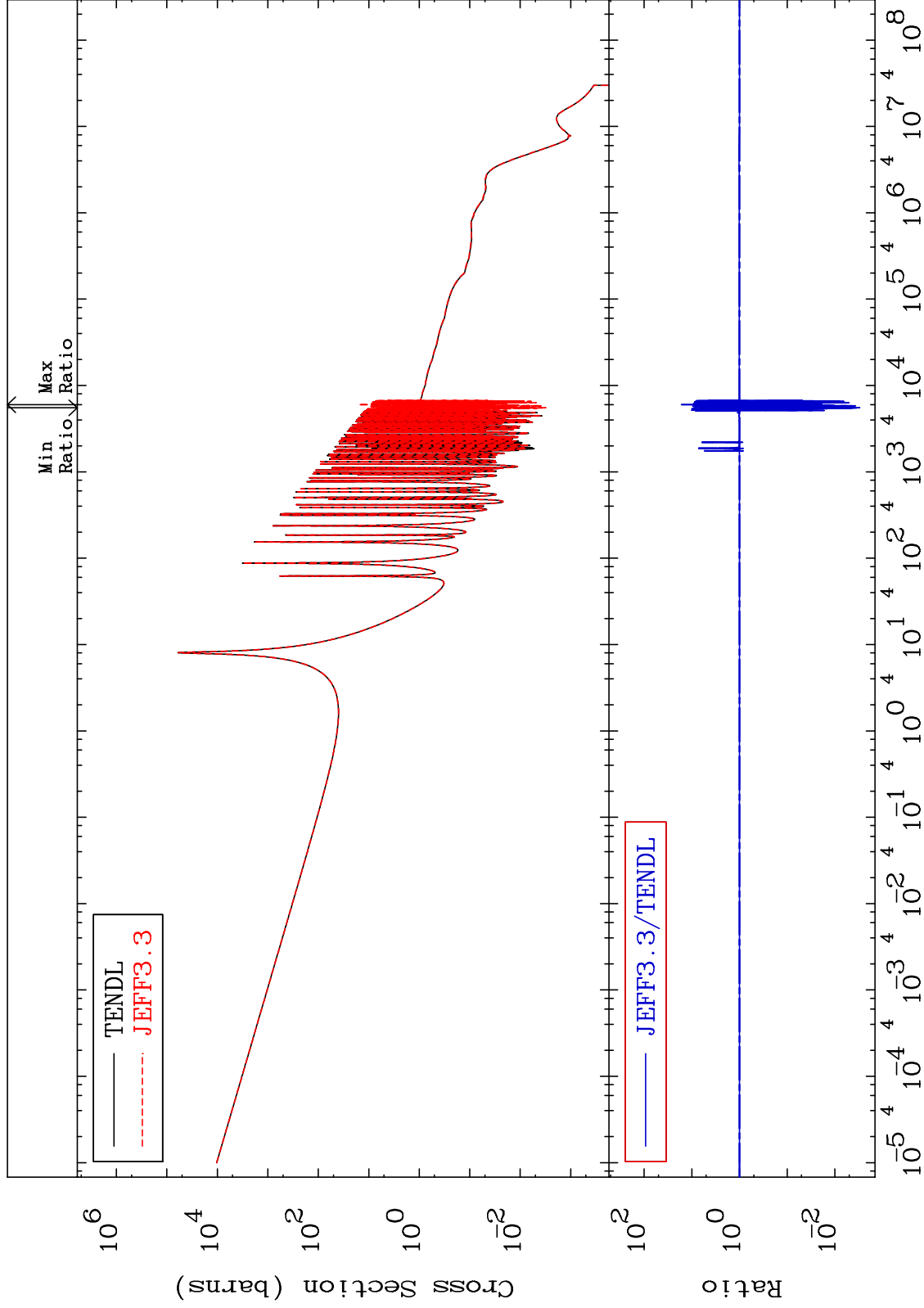
MAT 6249

(n, γ)

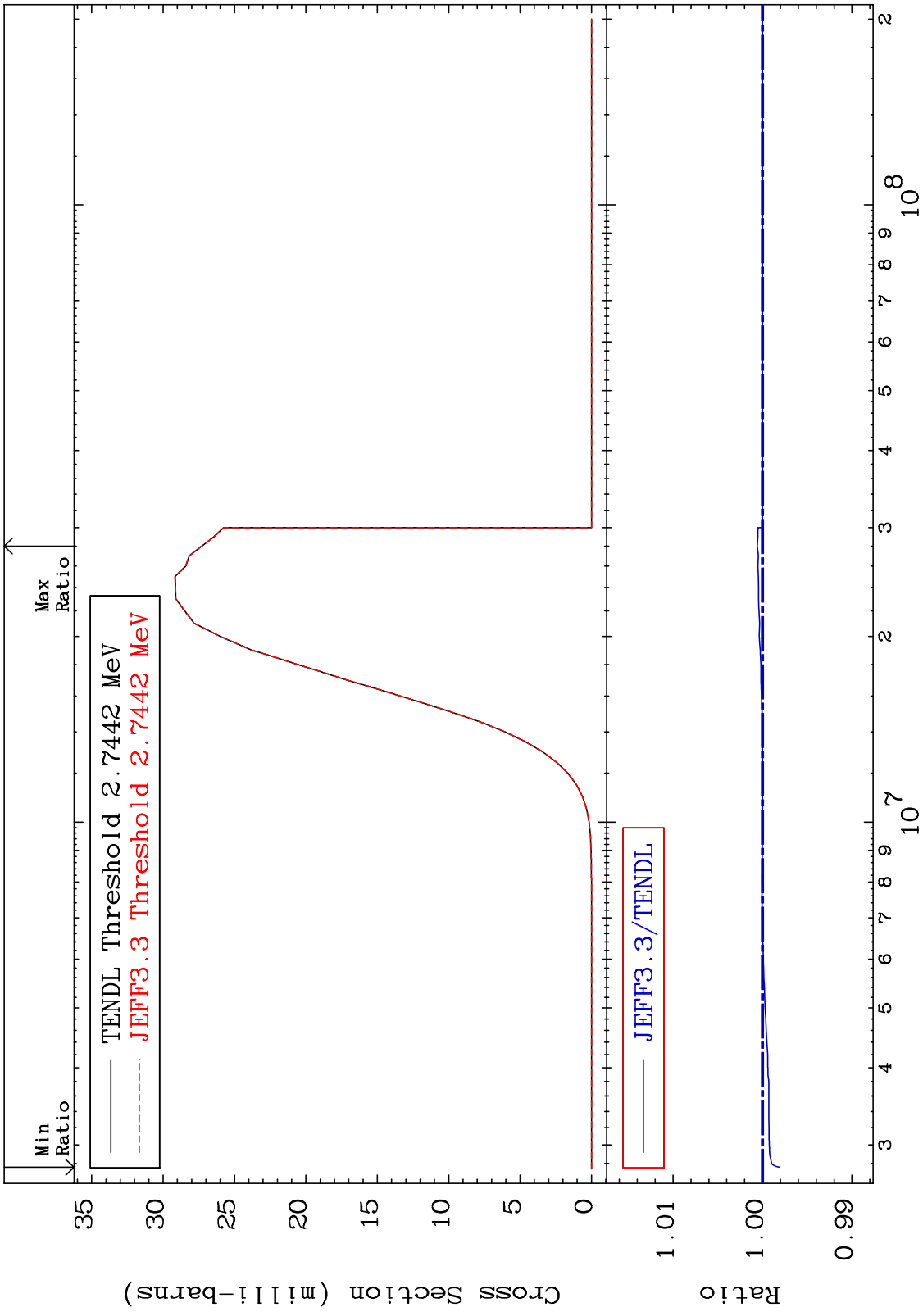
62-Sm-152

-99.70 To 1563. %

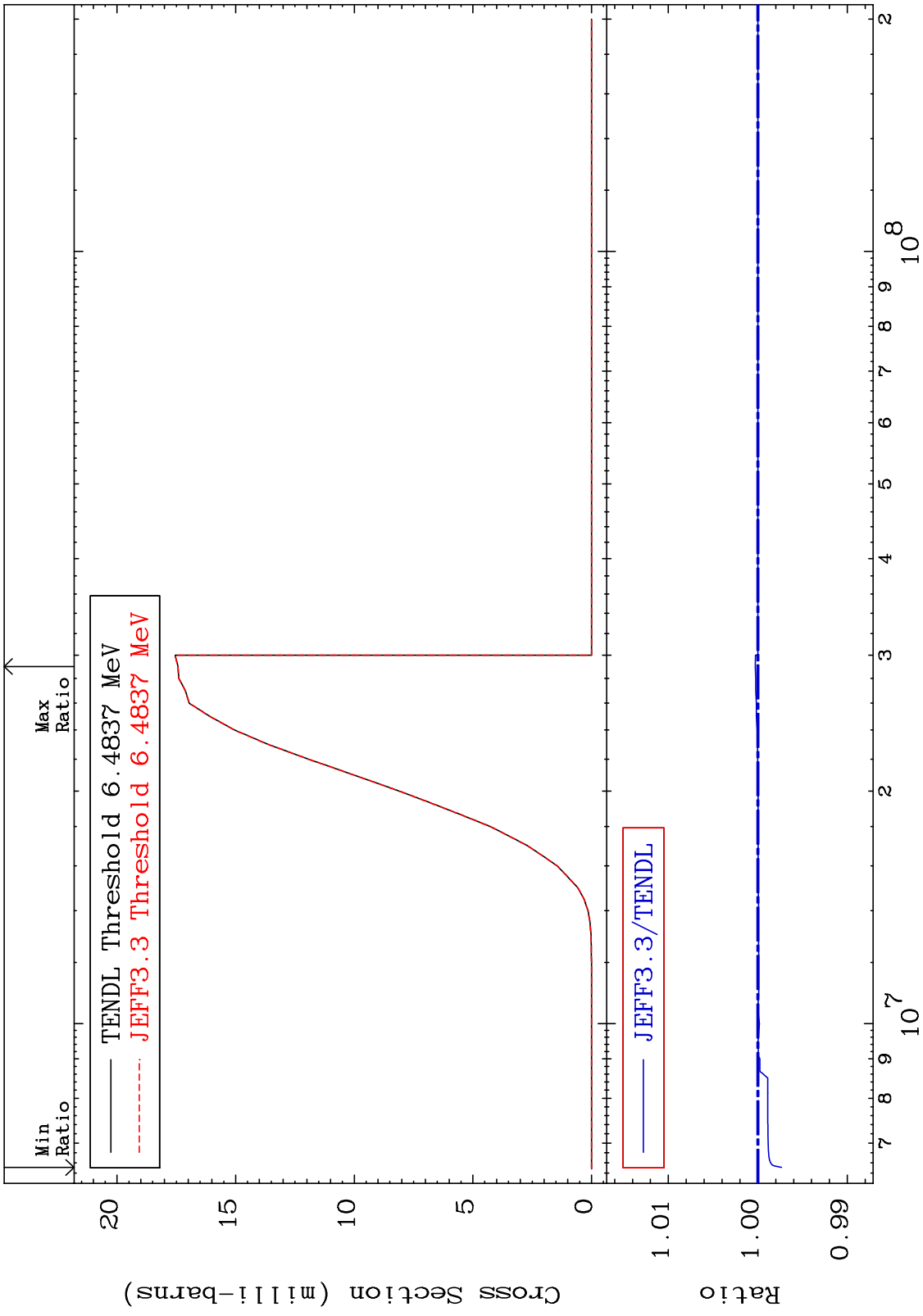
Cross Section

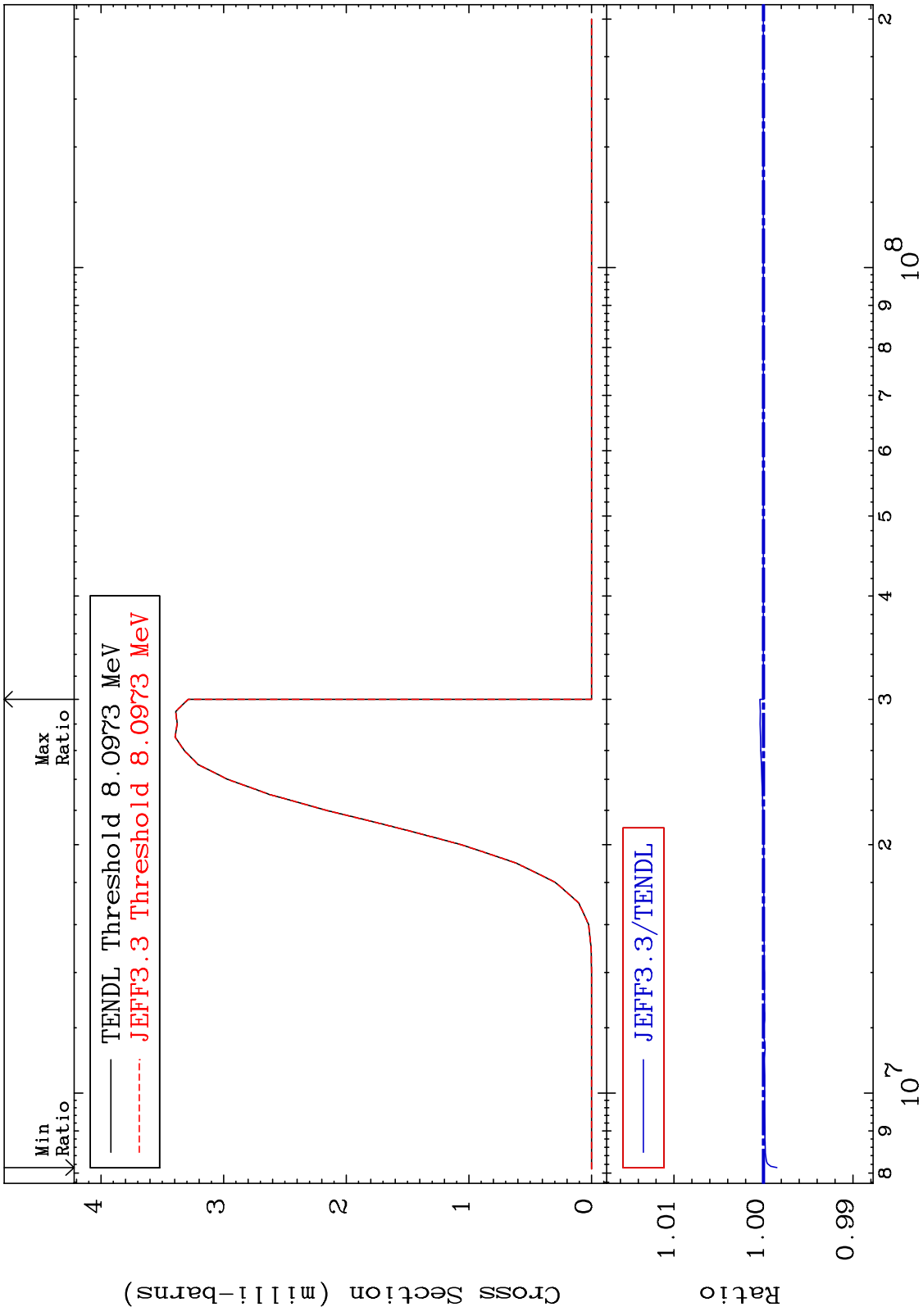


MAT 6249 (n,p) Cross Section 62-Sm-152
 -0.191 To 0.059 %



MAT 6249 (n,d) Cross Section 62-Sm-152 -0.265 To 0.029 %





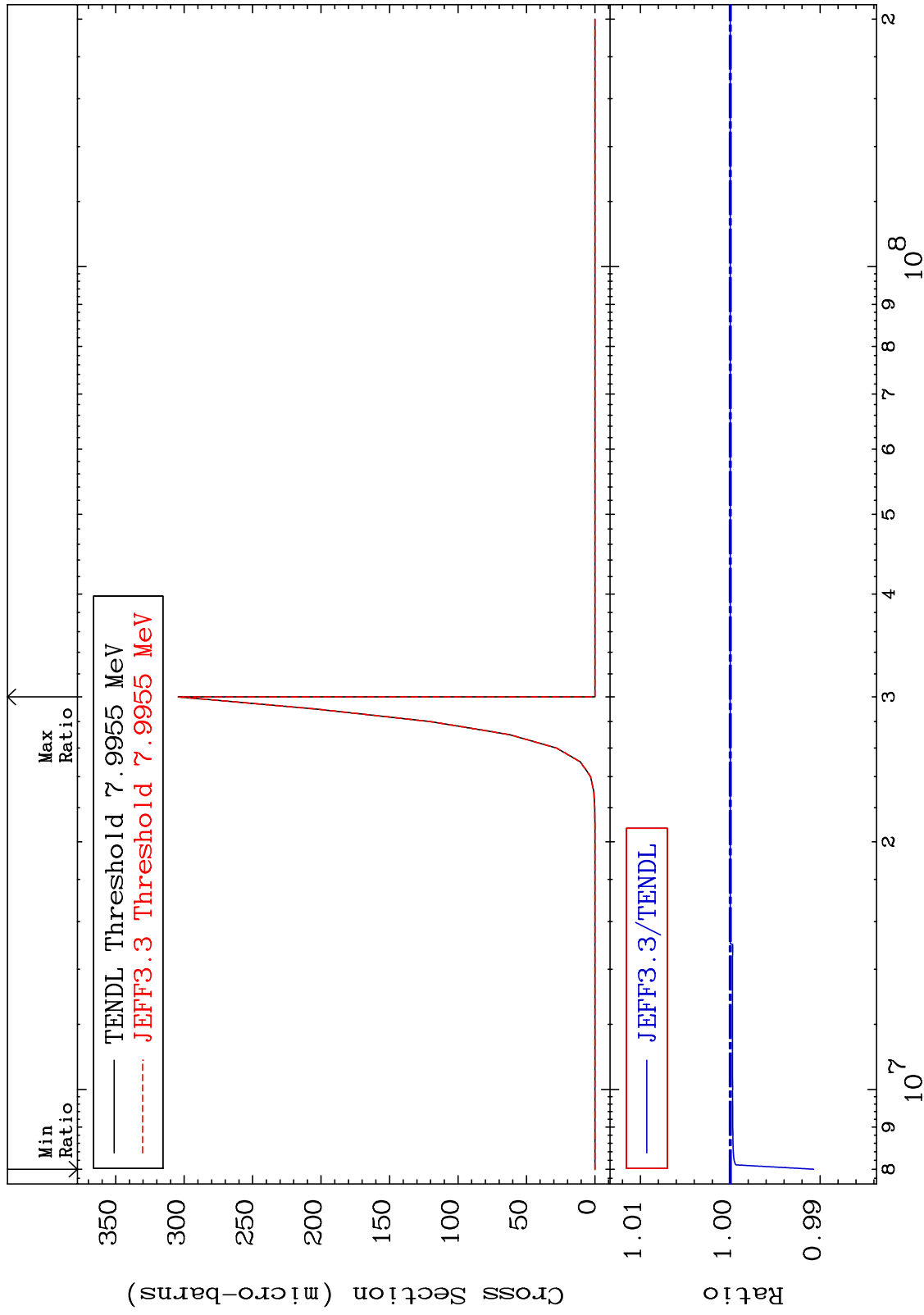
MAT 6249

(n, He-3)

62-Sm-152

-0.928 To 0.000 %

Cross Section



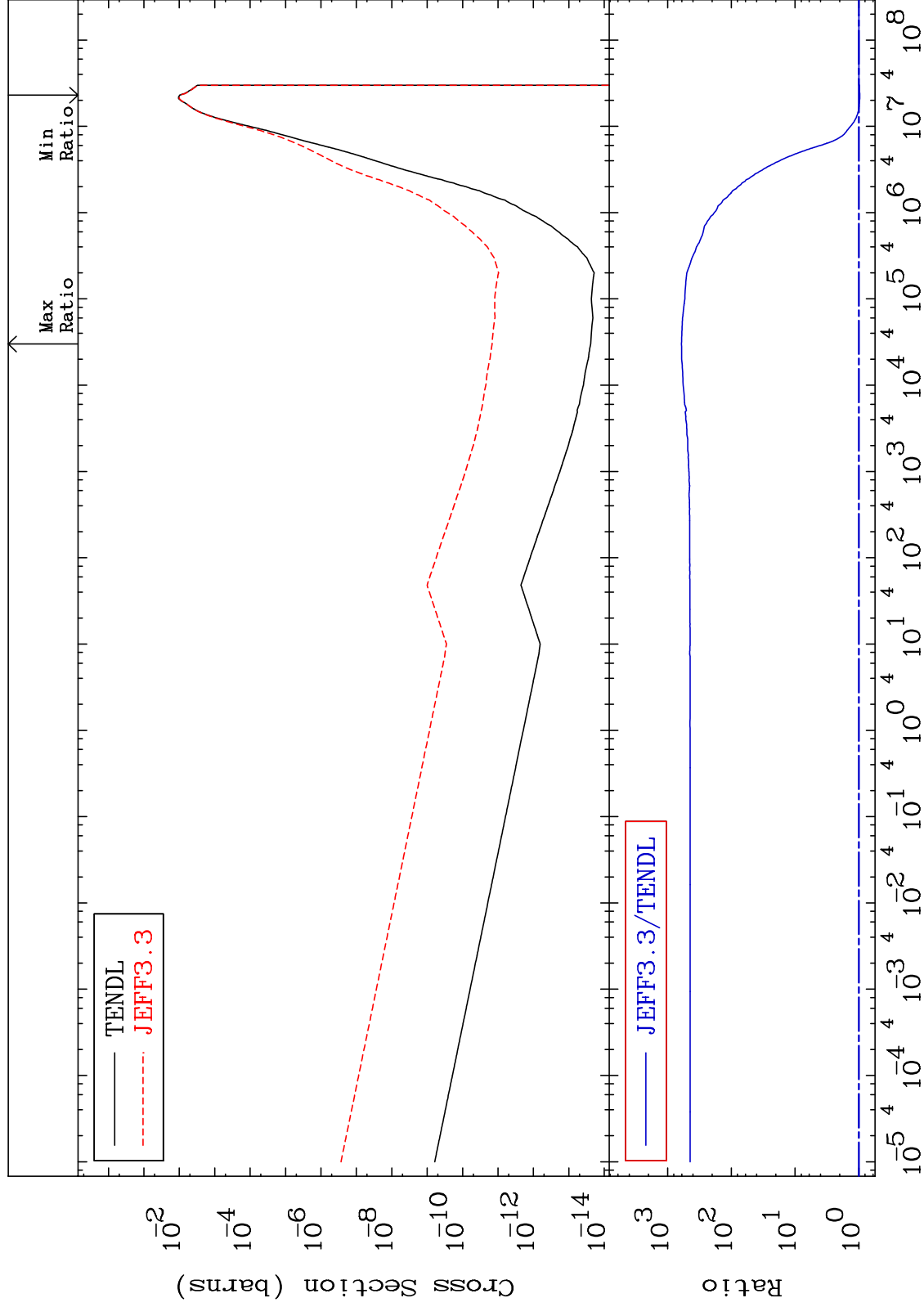
MAT 6249

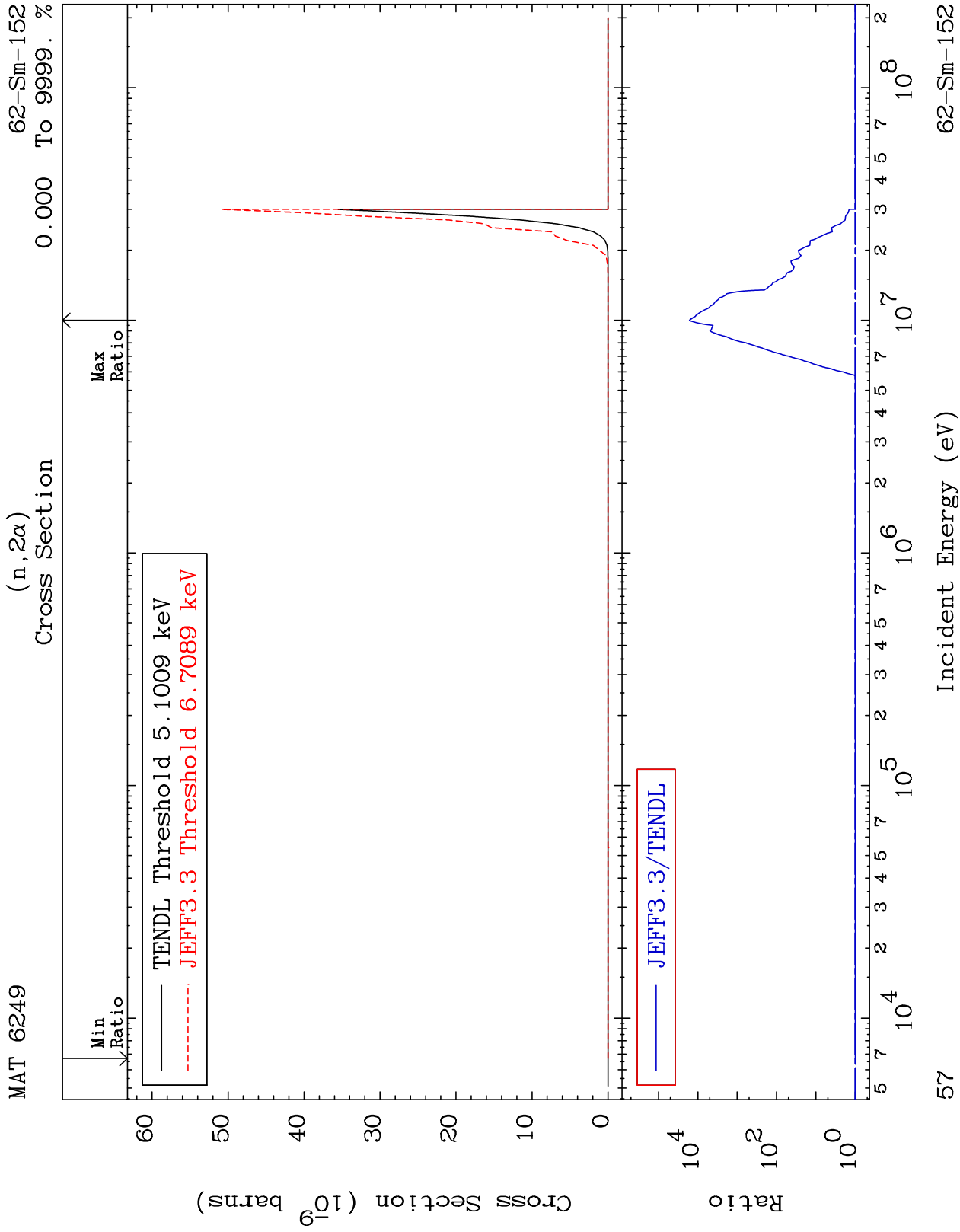
(n, α)

62-Sm-152

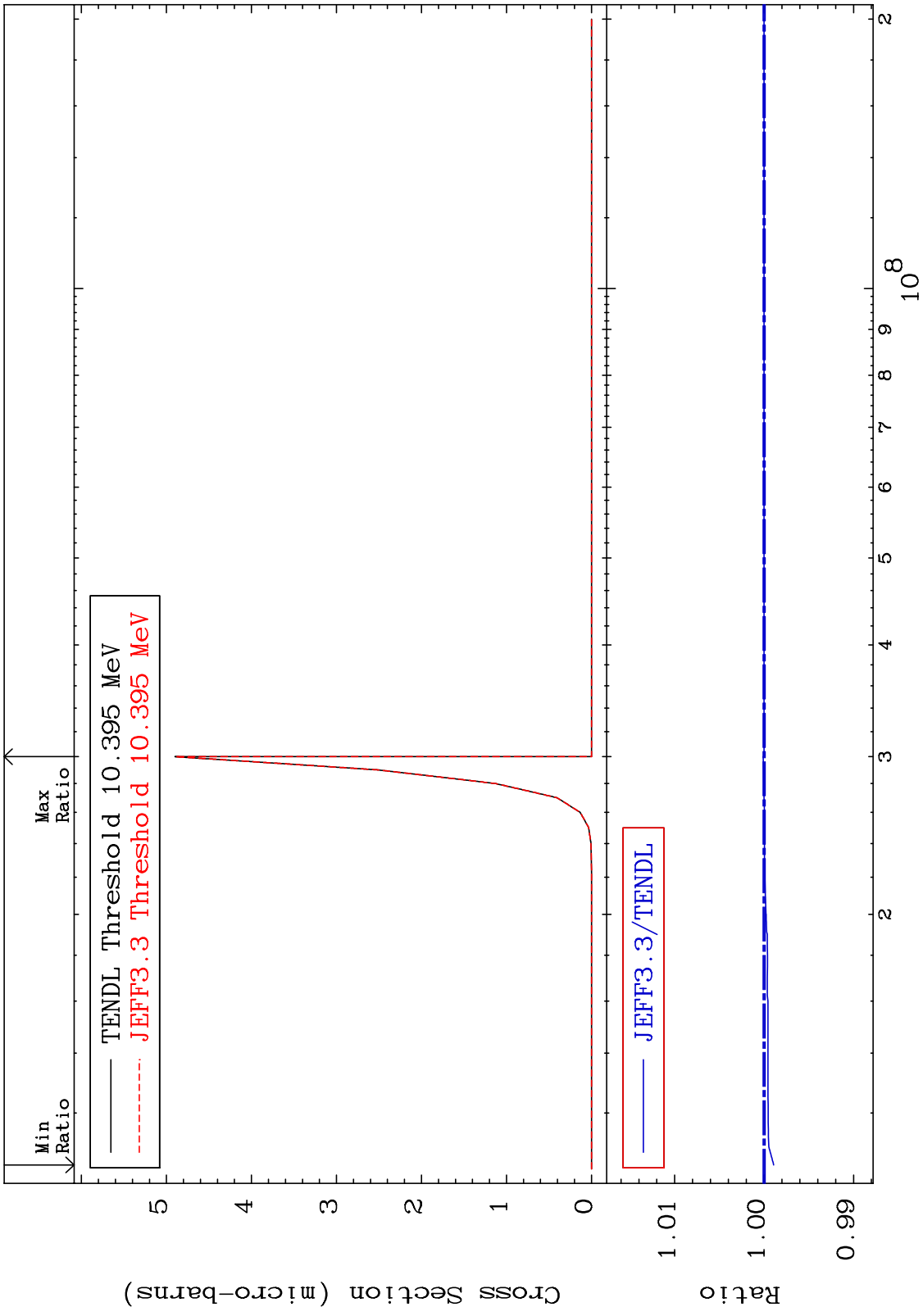
Cross Section

-3.438 To 9999. %





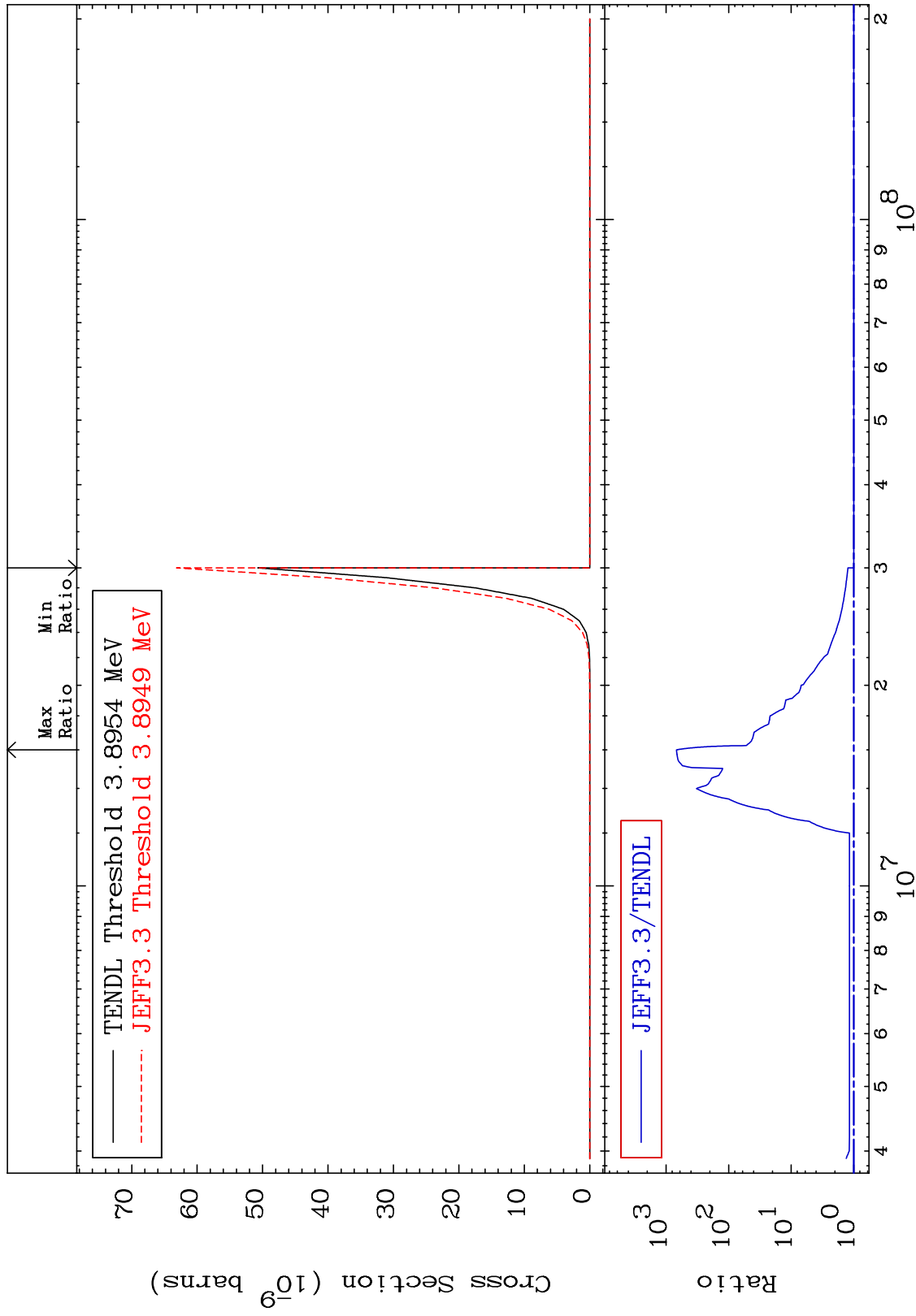
MAT 6249 (n,2p) Cross Section 62-Sm-152
 -0.107 To 0.010 %



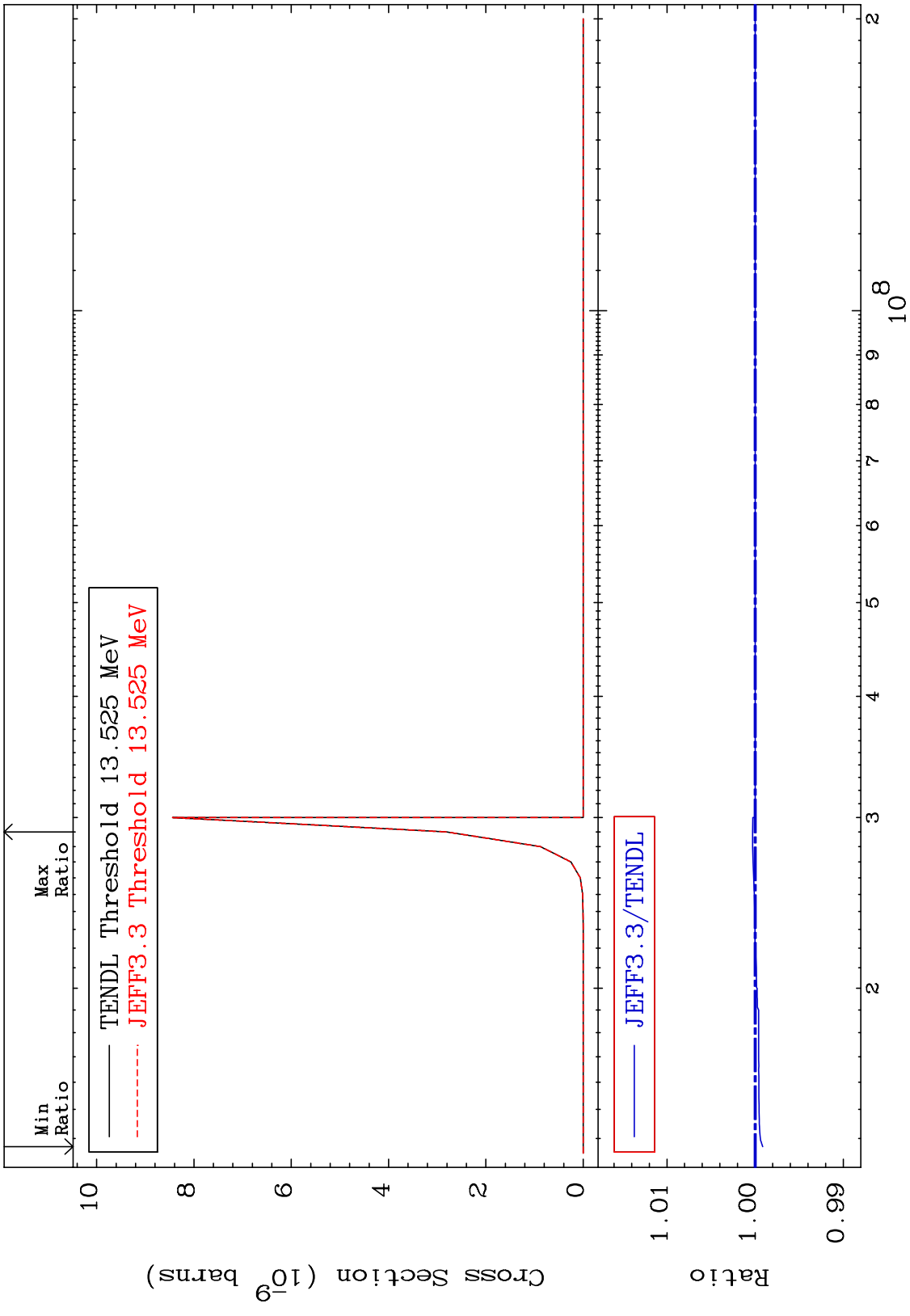
MAT 6249

(n,p) α

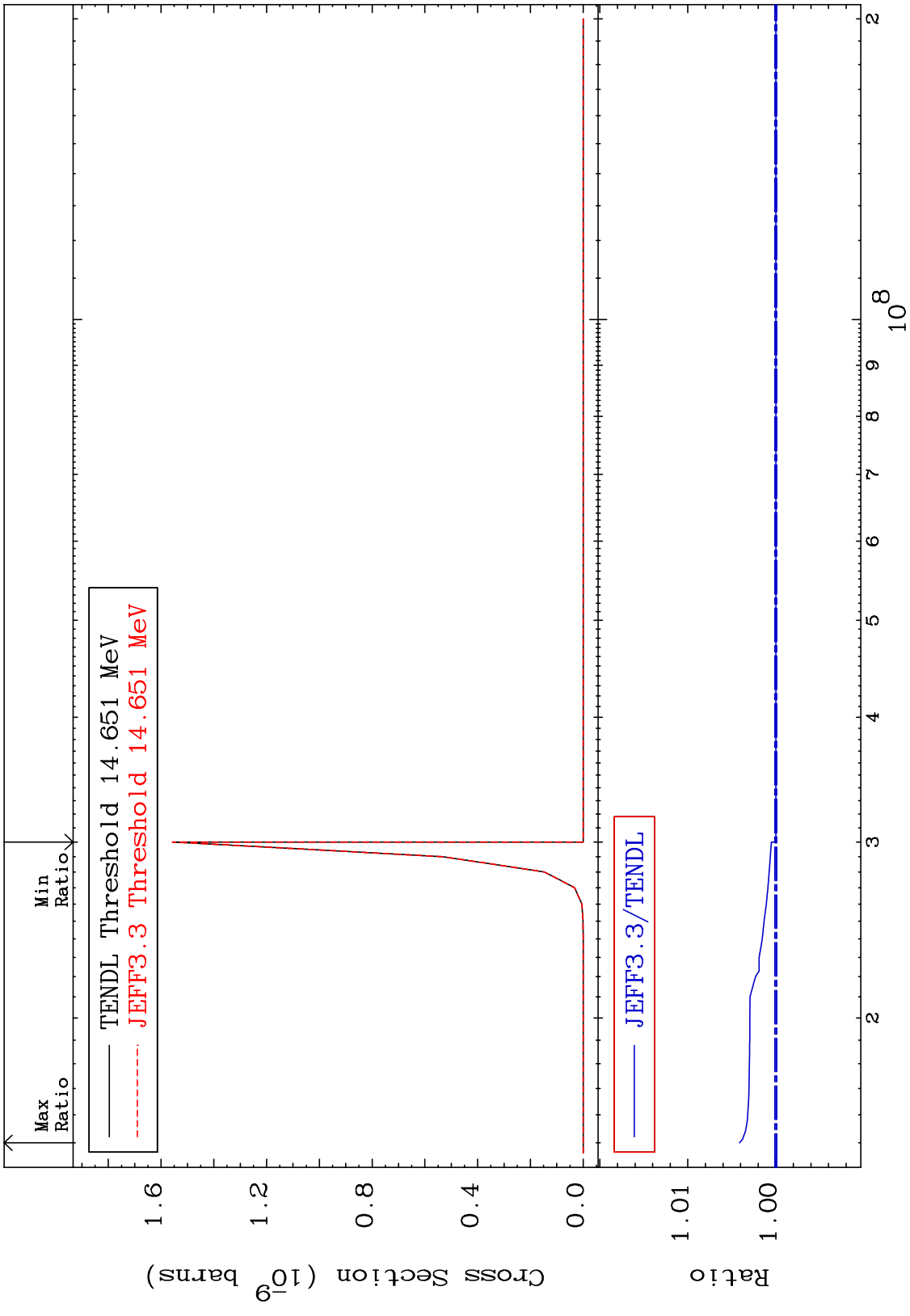
62-Sm-152
To 9999. %
0.000



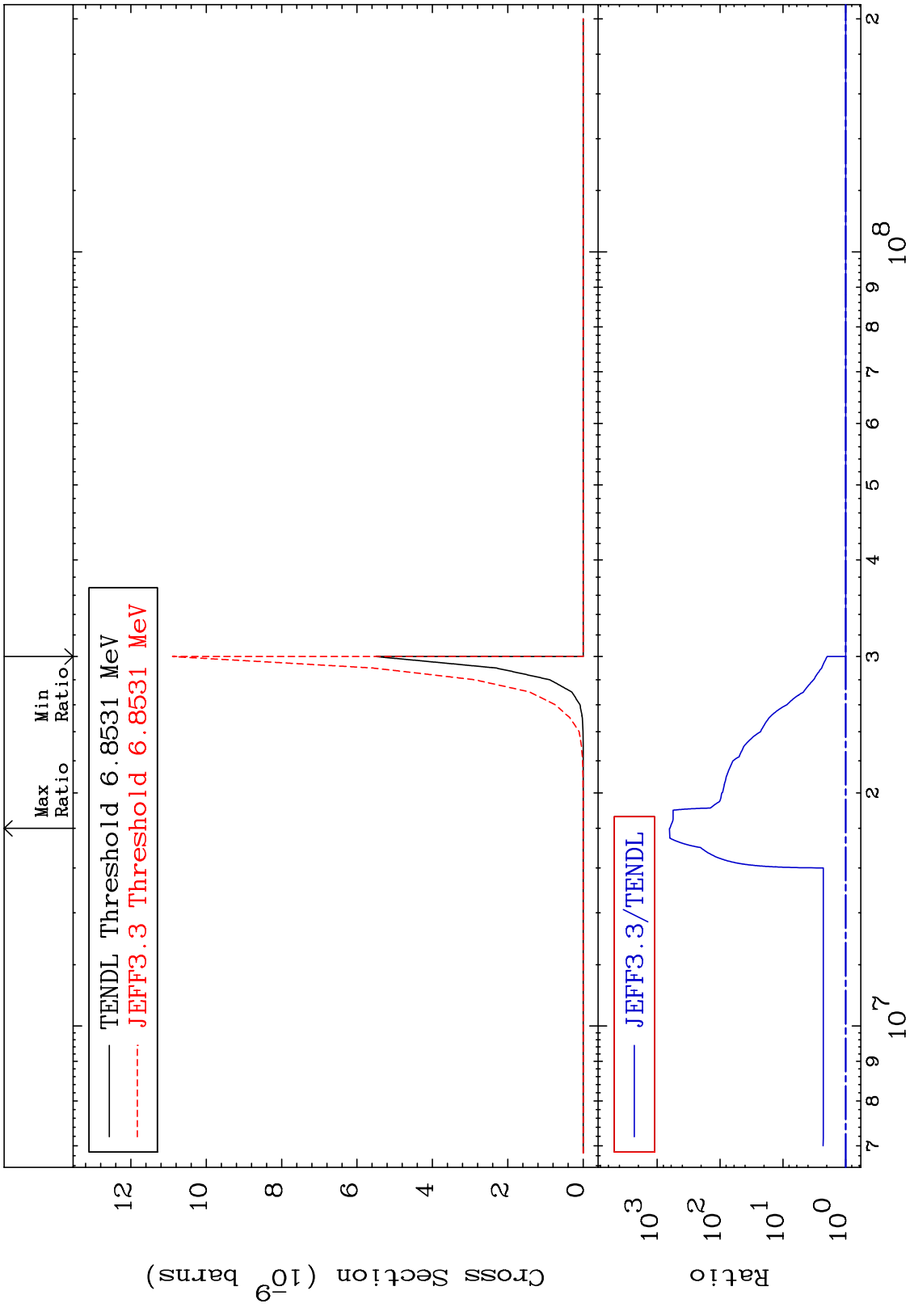
MAT 6249 (n,p) d 62-Sm-152
Cross Section -0.086 To 0.029 %



MAT 6249 (n,p) t 62-Sm-152
 Cross Section 0.000 To 0.413 %



MAT 6249 (n,d) α Cross Section 62-Sm-152 To 9999. %

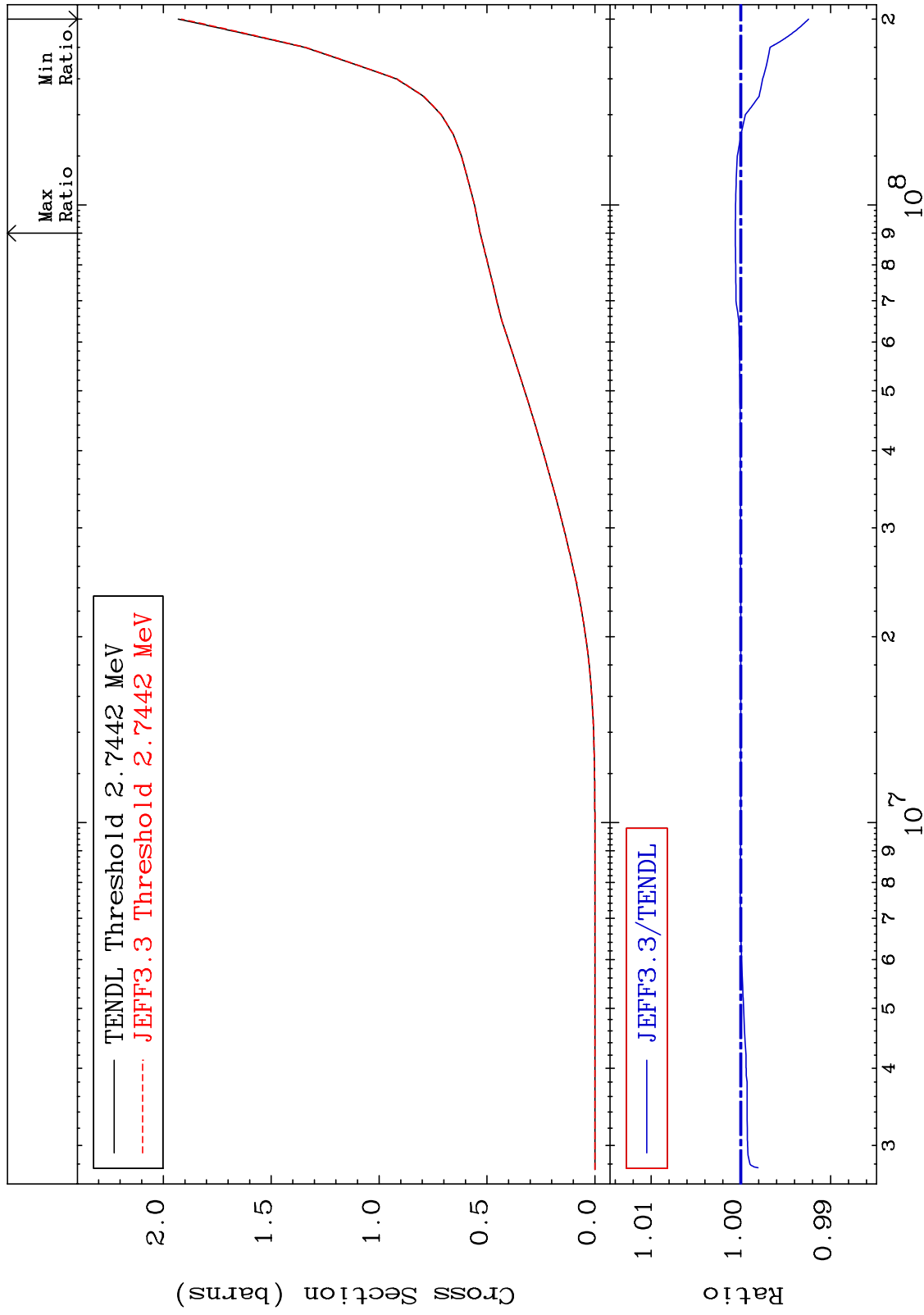


62 62-Sm-152 Incident Energy (eV)

MAT 6249

Hydrogen Production
Cross Section

62-Sm-152
-0.754 To 0.062 %



63

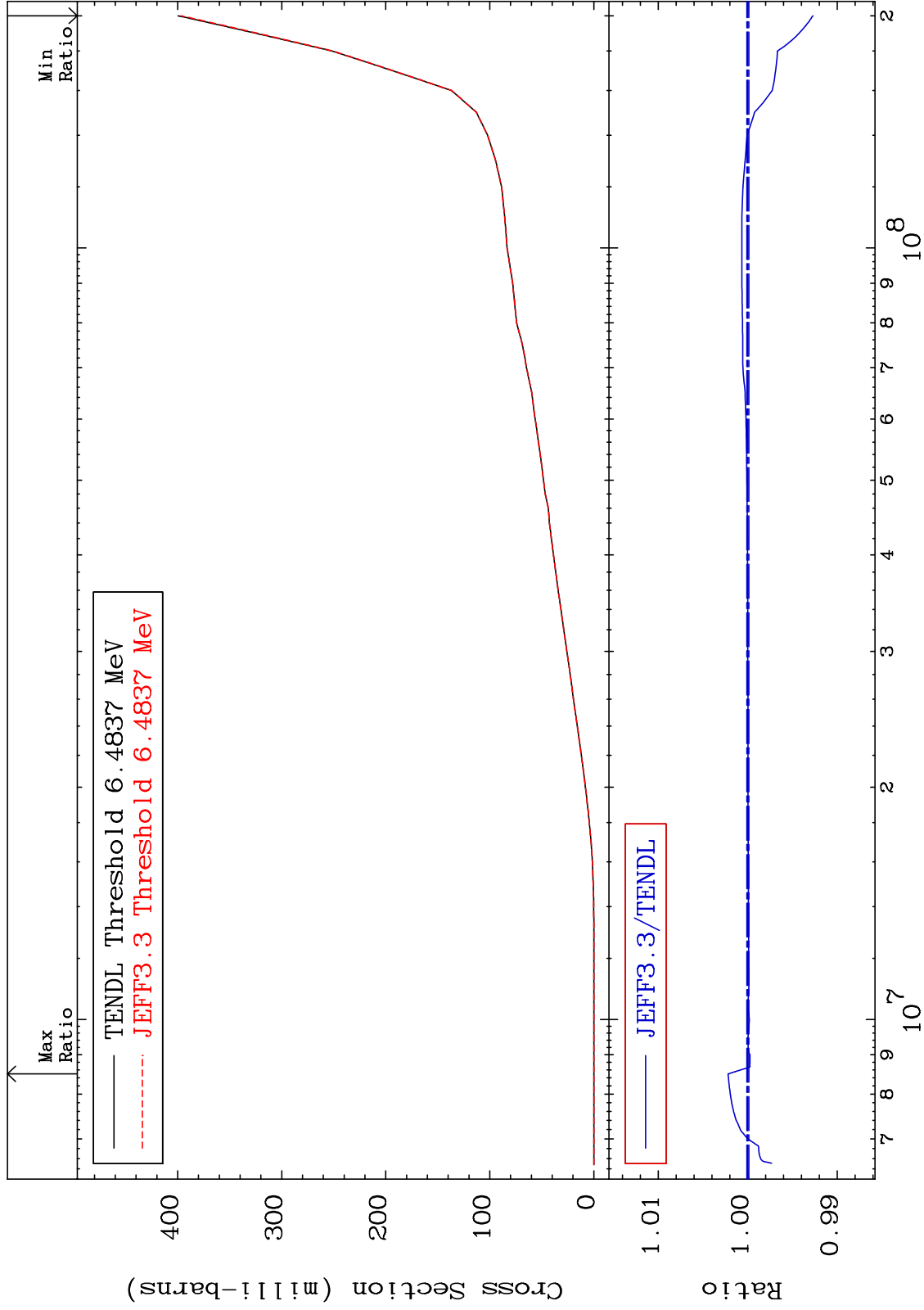
Incident Energy (eV)

62-Sm-152

MAT 6249

Deuterium Production
Cross Section

62-Sm-152
-0.727 To 0.221 %



64

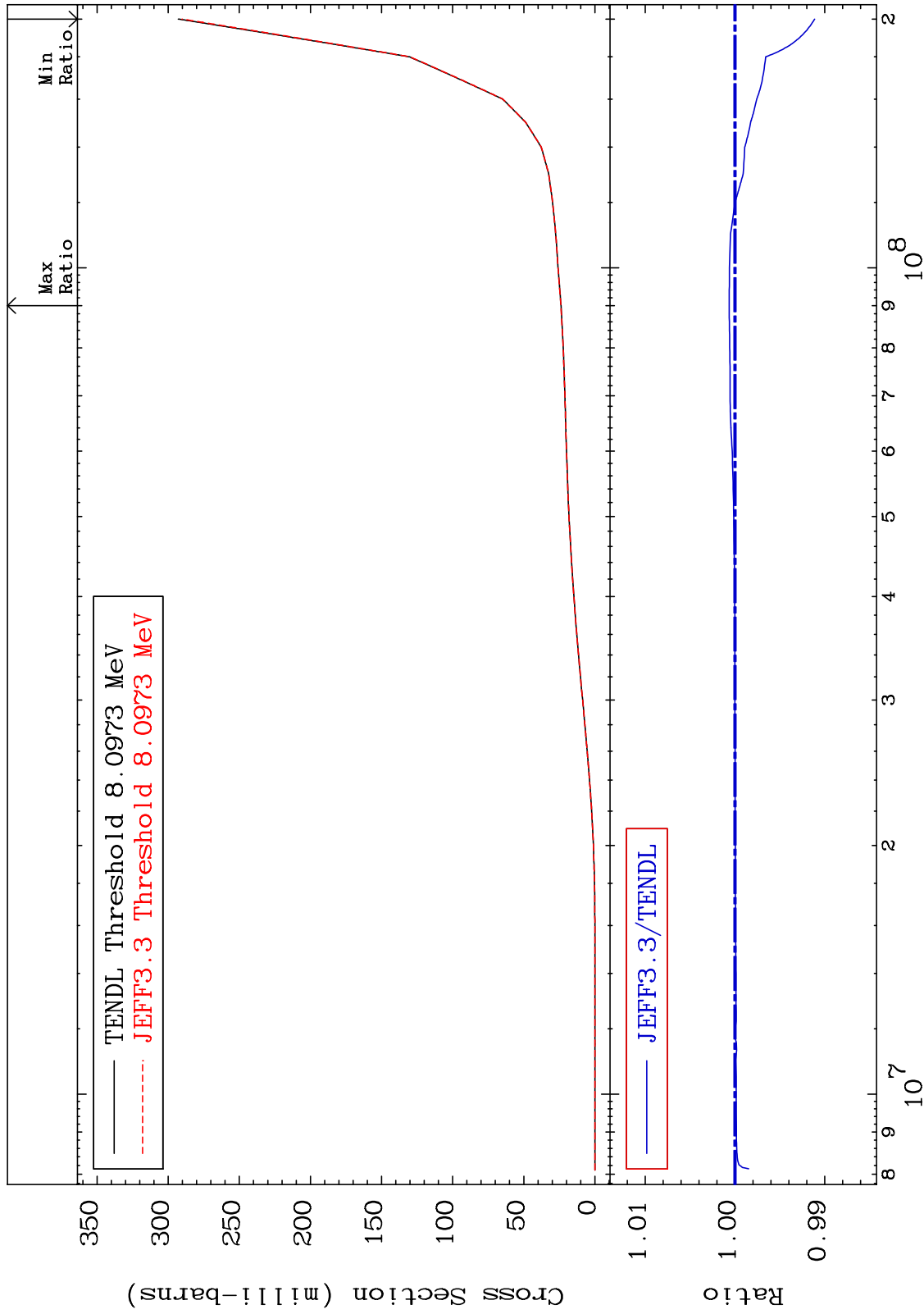
Incident Energy (eV)

62-Sm-152

MAT 6249

Tritium Production
Cross Section

$^{62}\text{Sm-152}$
-0.887 To 0.065 %



65

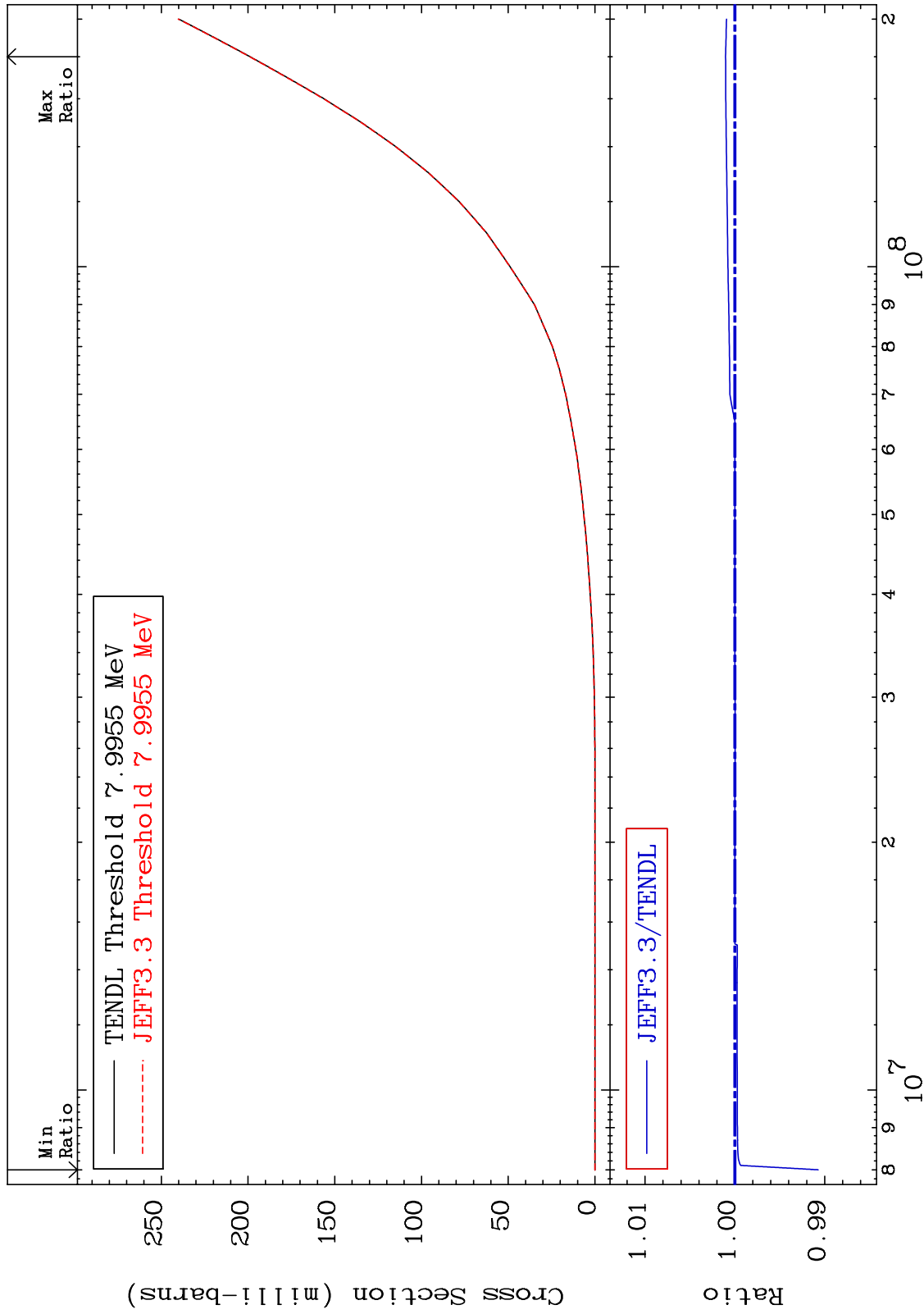
Incident Energy (eV)

$^{62}\text{Sm-152}$

MAT 6249

He-3 Production
Cross Section

62-Sm-152
-0.928 To 0.104 %



66

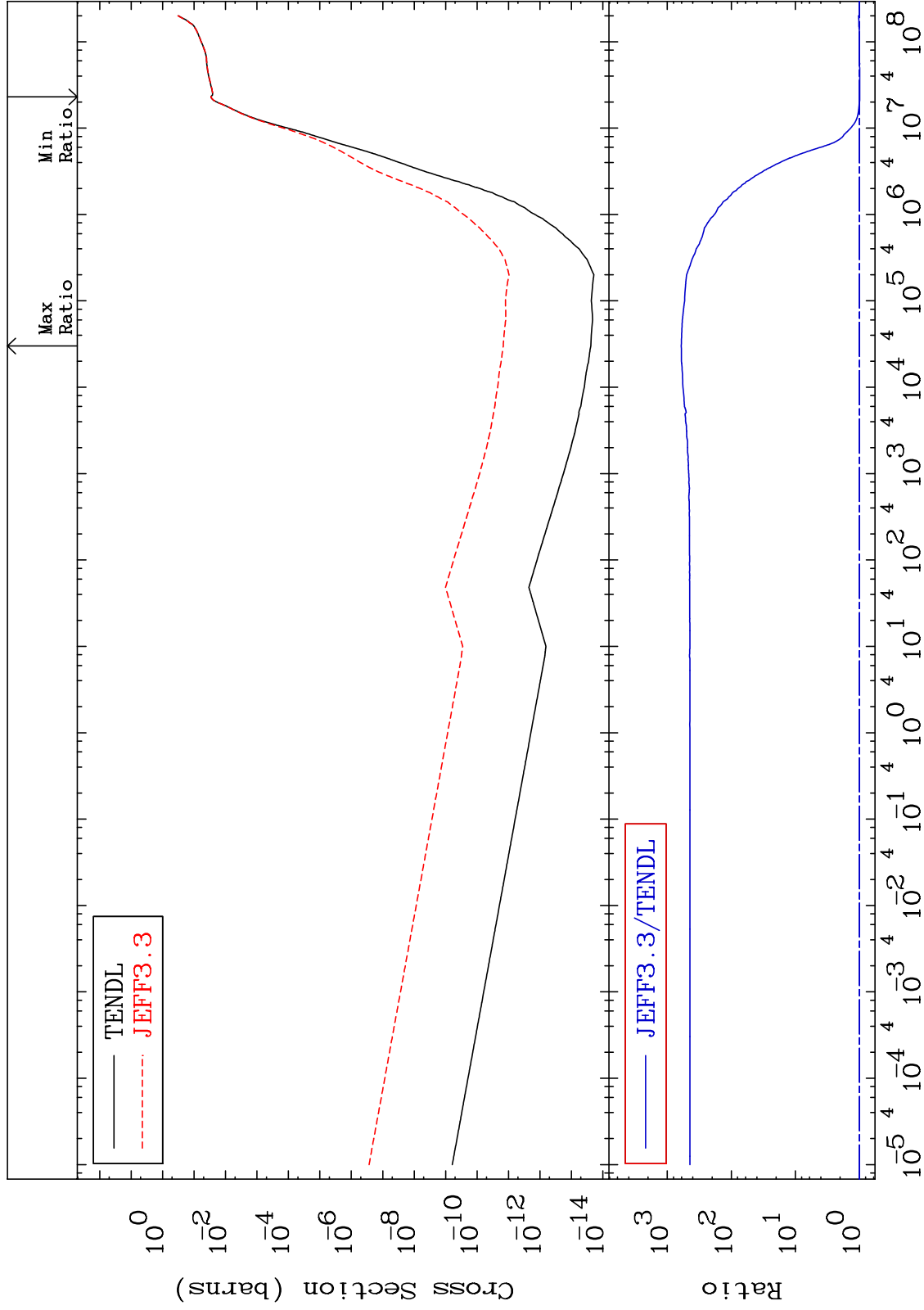
Incident Energy (eV)

62-Sm-152

MAT 6249

He-4 Production
Cross Section

62-Sm-152
-1.158 To 9999. %

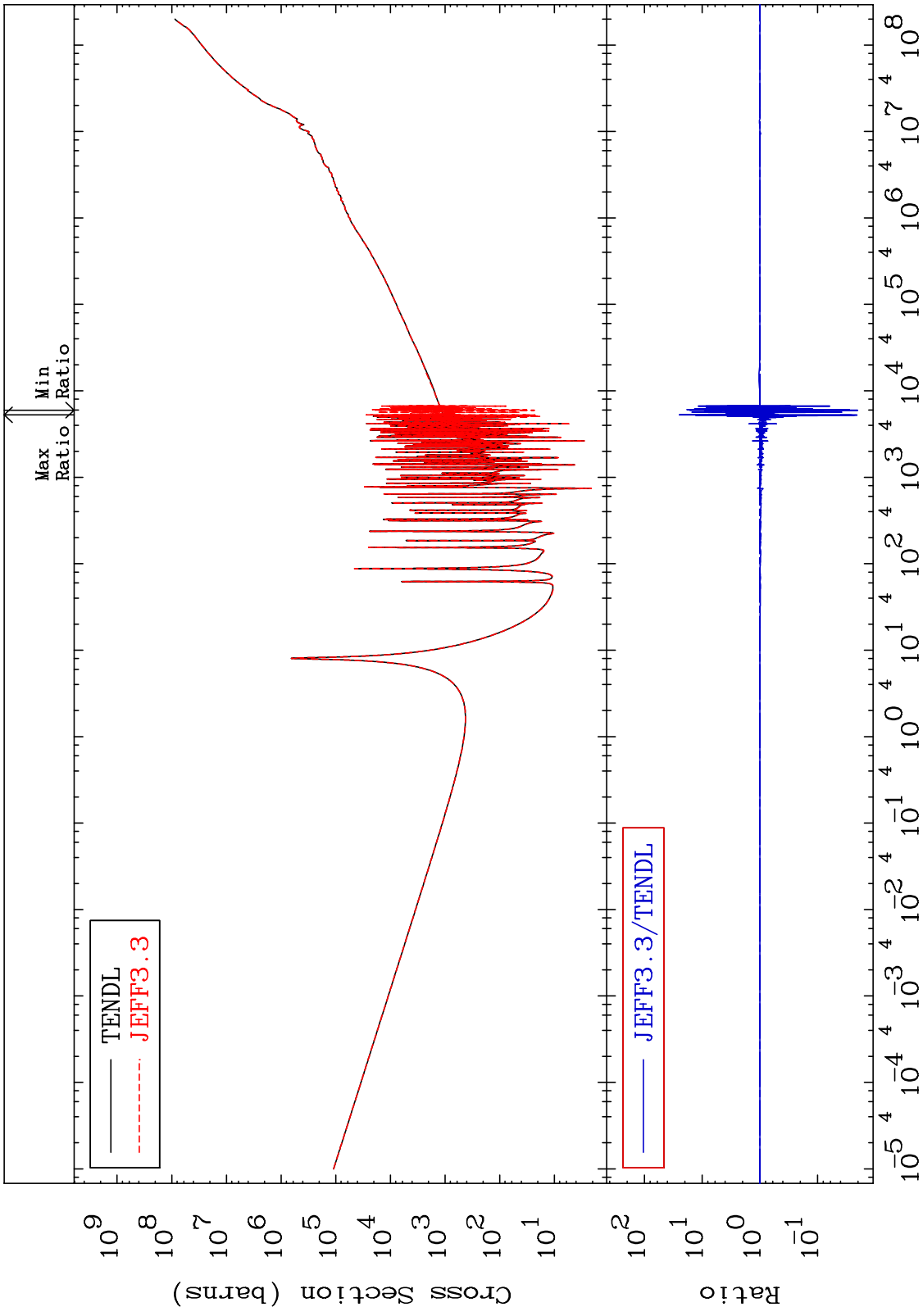


67

Incident Energy (eV)

62-Sm-152

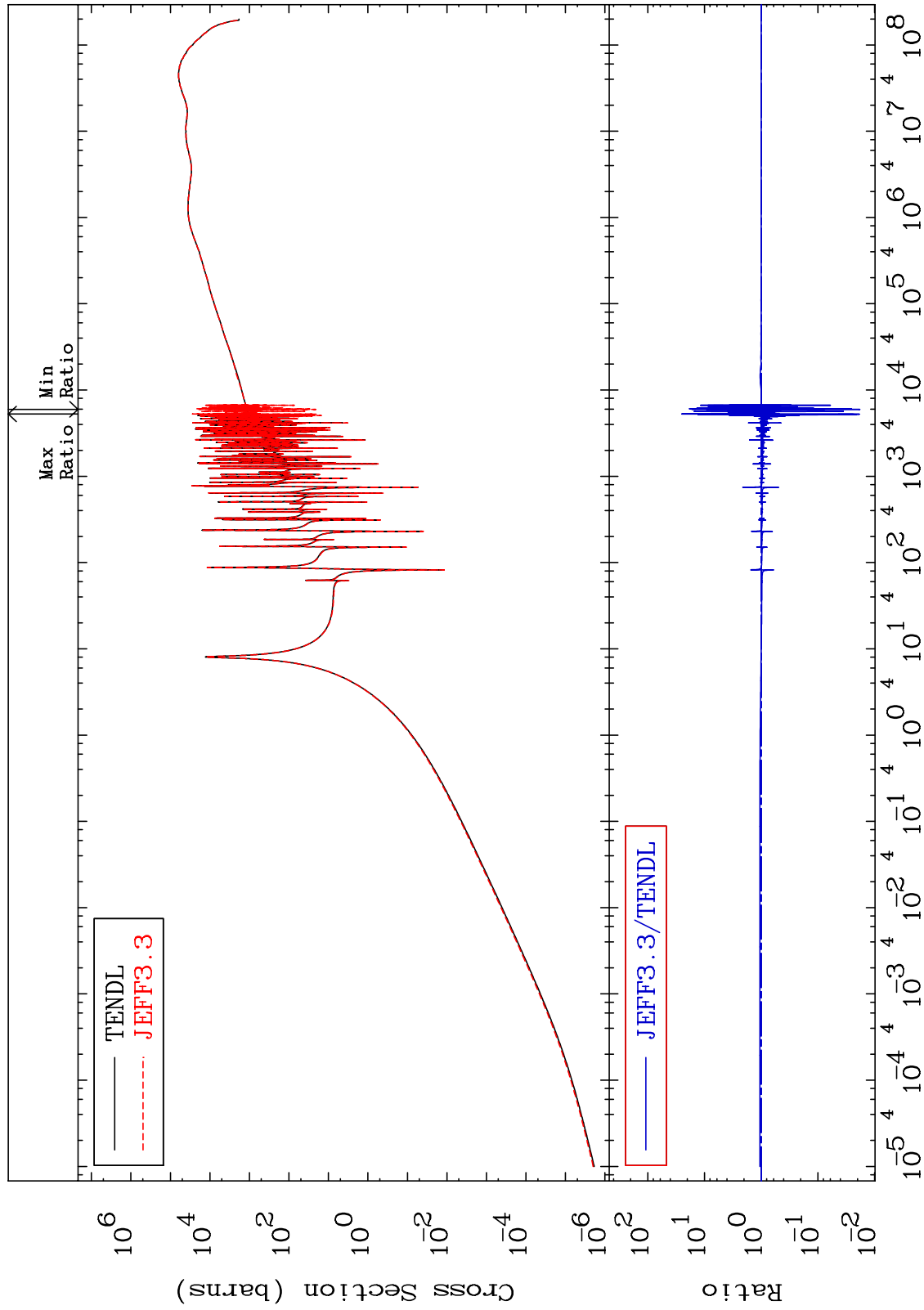
MAT 6249 Kerma total (eV-barns) 62-Sm-152
 Cross Section -97.99 To 2421. %



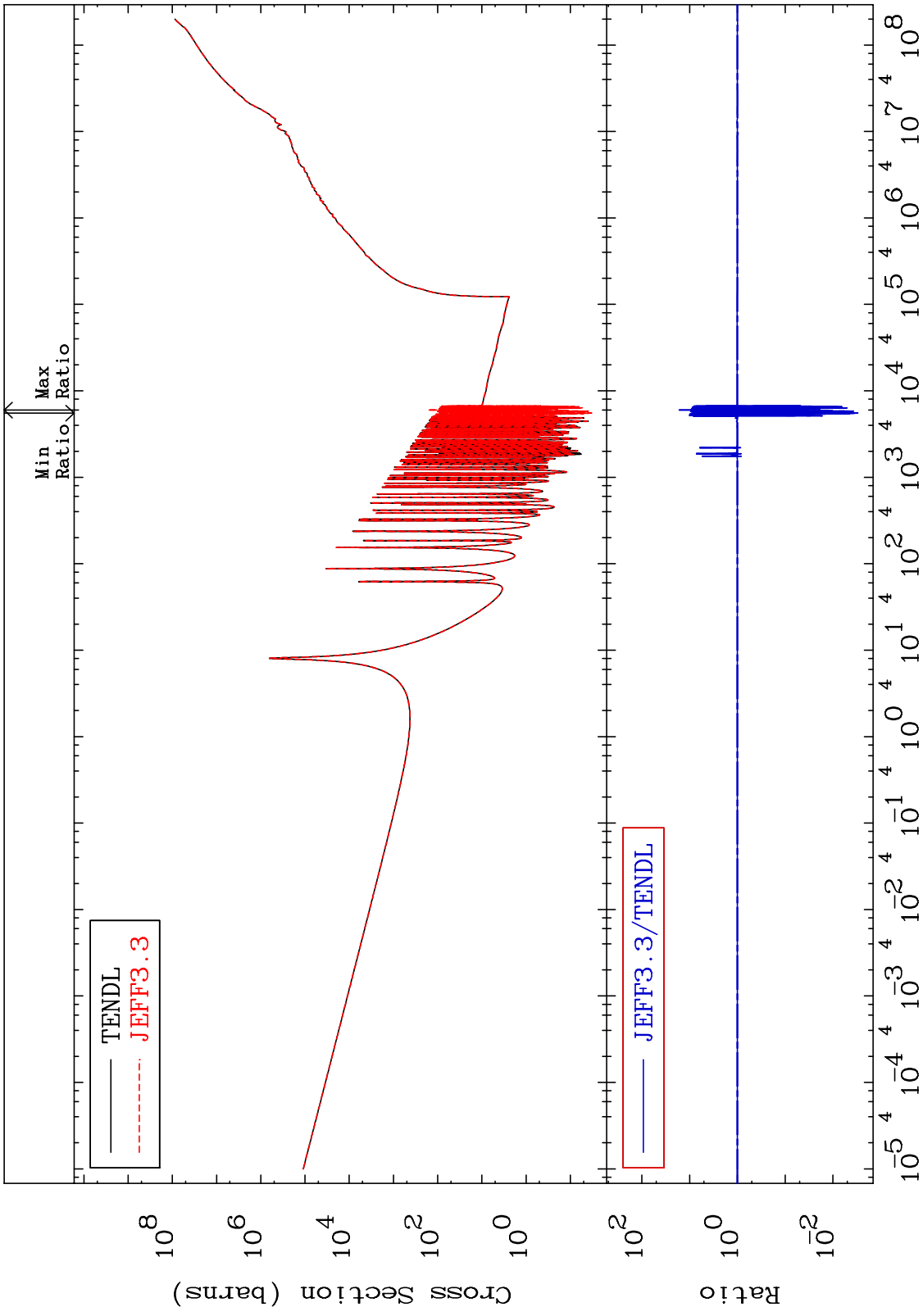
MAT 6249

Kerma elastic
Cross Section

62-Sm-152
-98.18 To 2443. %

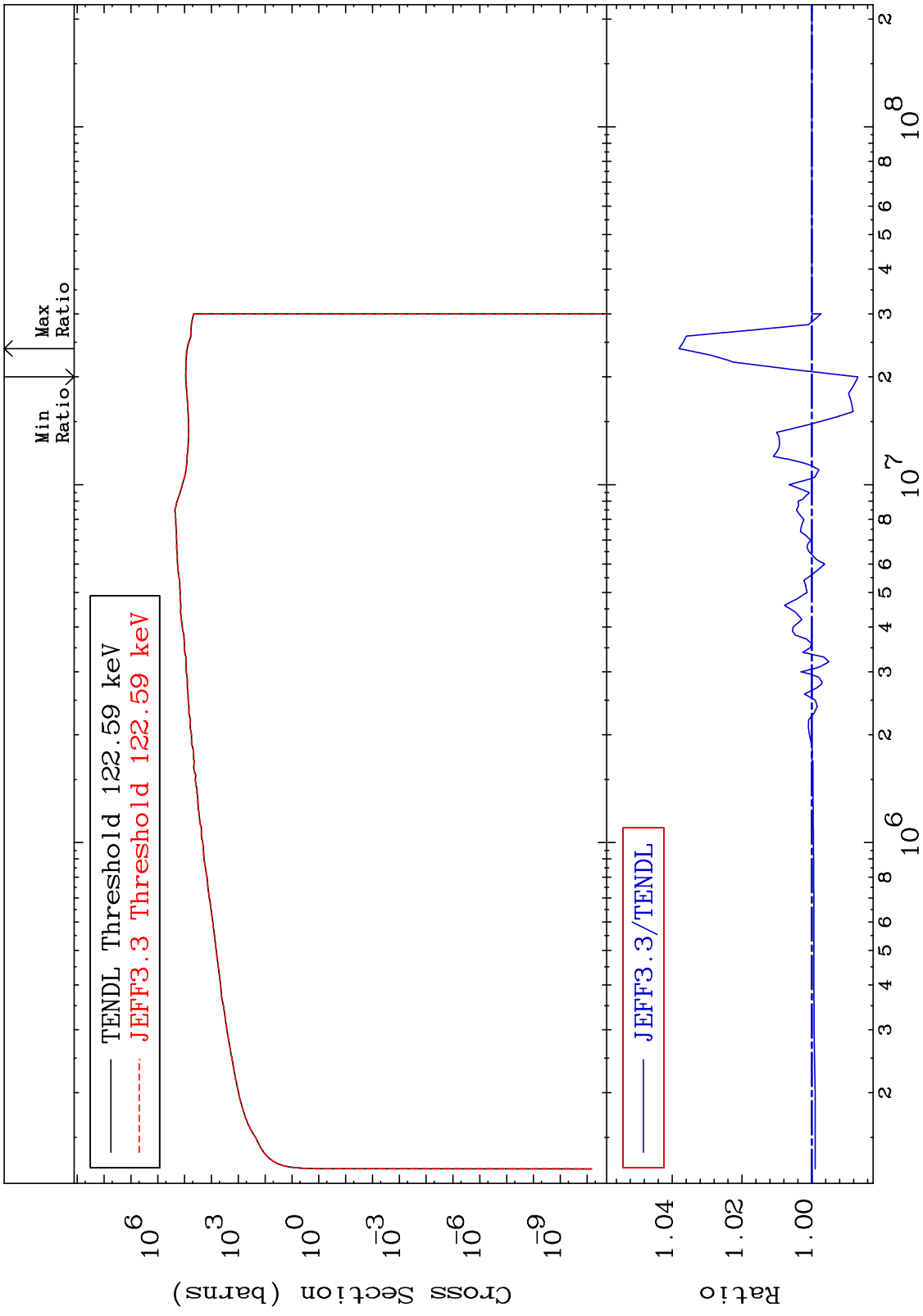


MAT 6249 Kerma non-elastic (all but mt2) Cross Section 62-Sm-152
 -99.70 To 1564. %

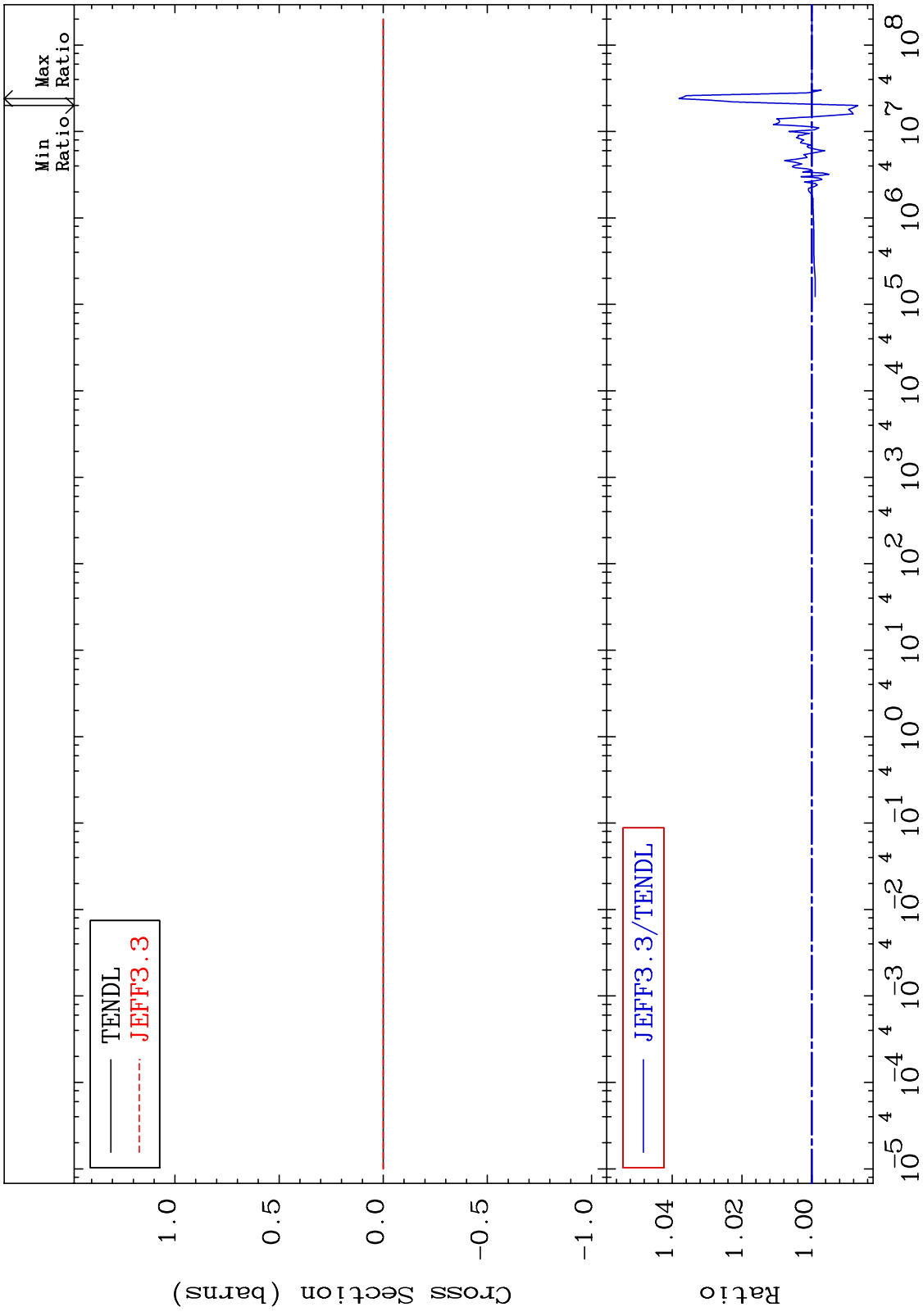


70 Incident Energy (eV) 62-Sm-152

MAT 6249 Kerma inelastic (mt51-91) 62-Sm-152
 Cross Section -1.320 To 3.804 %



MAT 6249 Kerma fission (mt18 or mt19-20-21-38) 62-Sm-152
 Cross Section -1.320 To 3.804 %

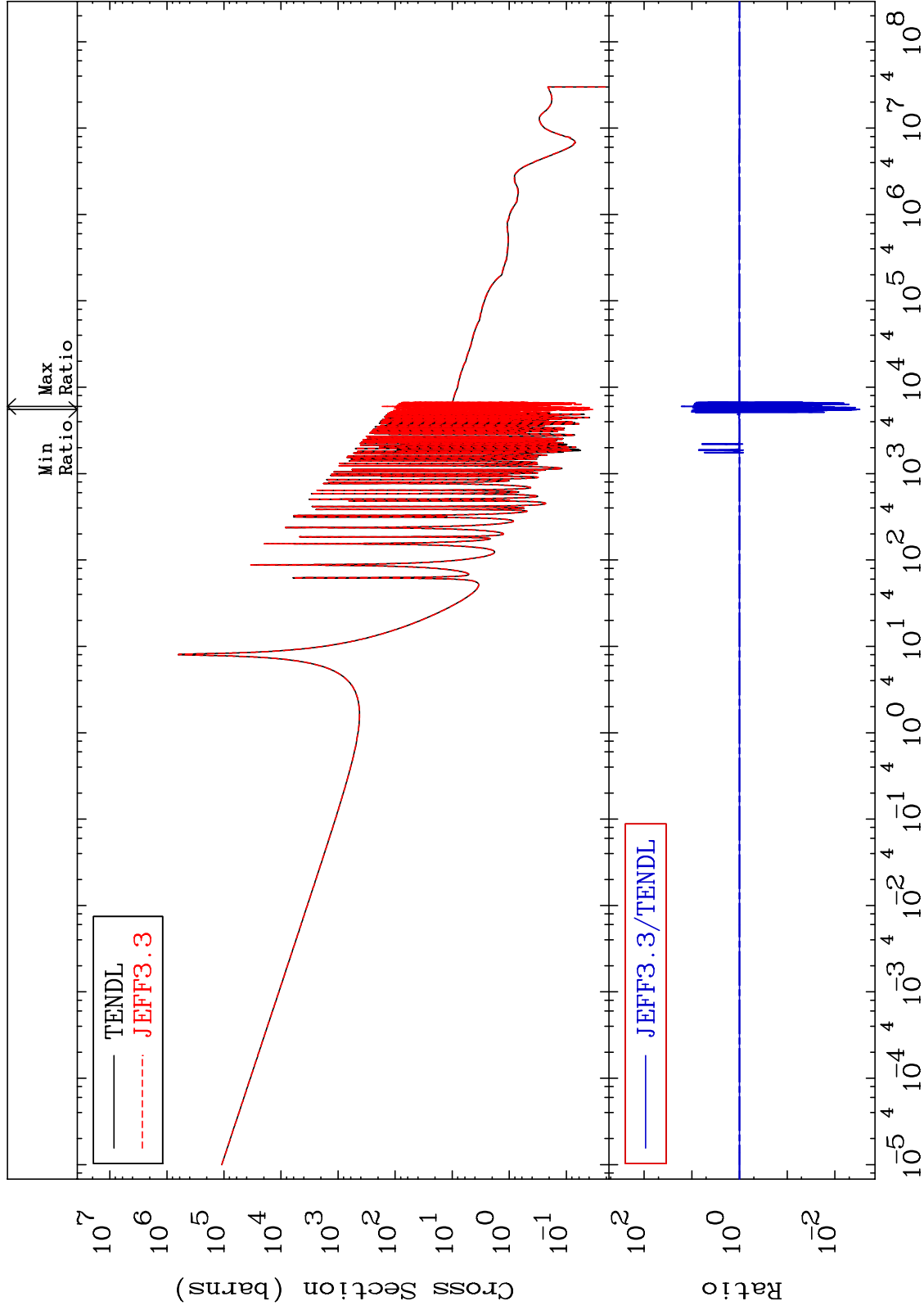


72 Incident Energy (eV) 62-Sm-152

MAT 6249

Kerma capture (mt102)
Cross Section

62-Sm-152
-99.70 To 1564. %



73

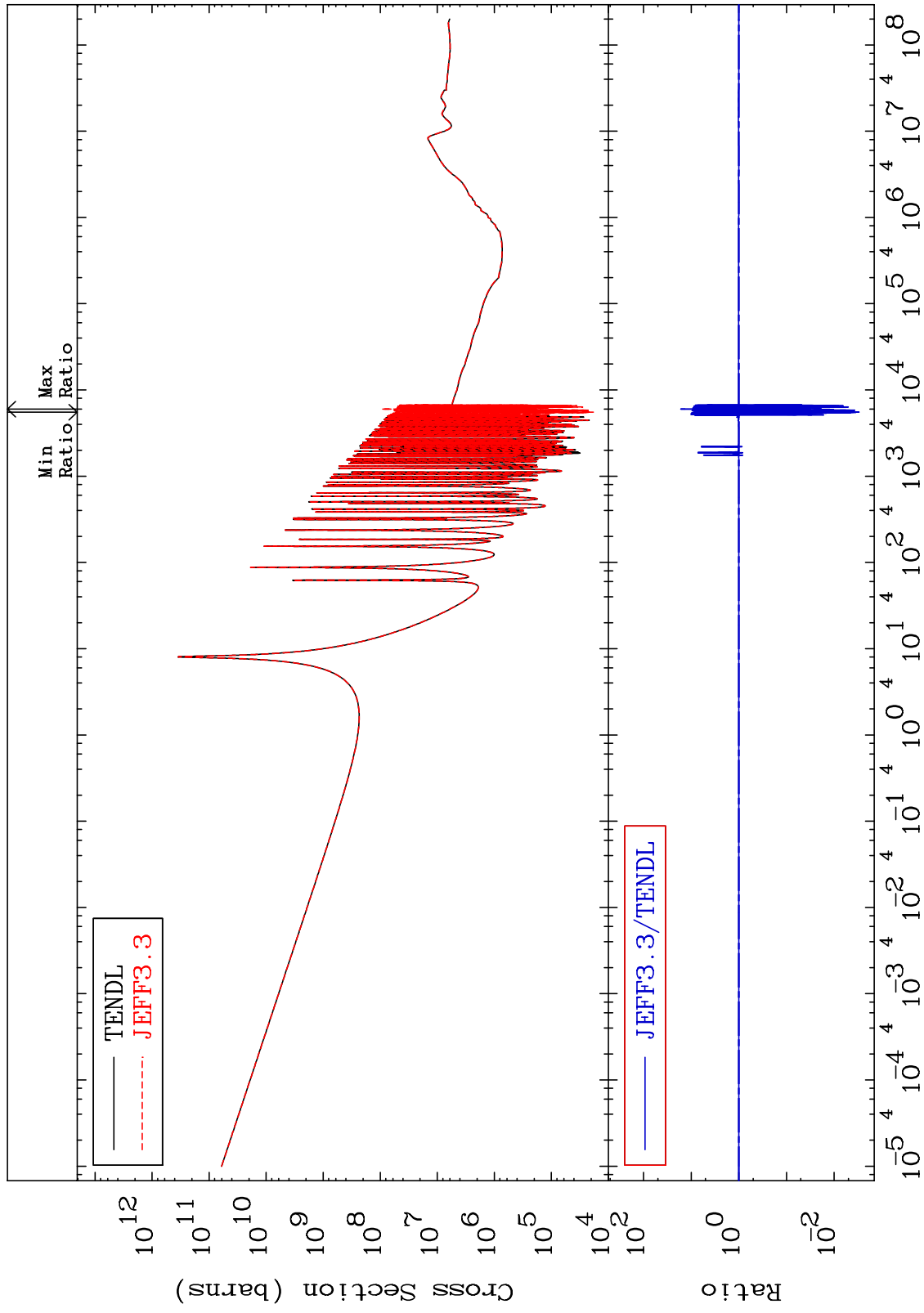
Incident Energy (eV)

62-Sm-152

MAT 6249

Total photon (eV-barns)
Cross Section

62-Sm-152
-99.70 To 1563. %

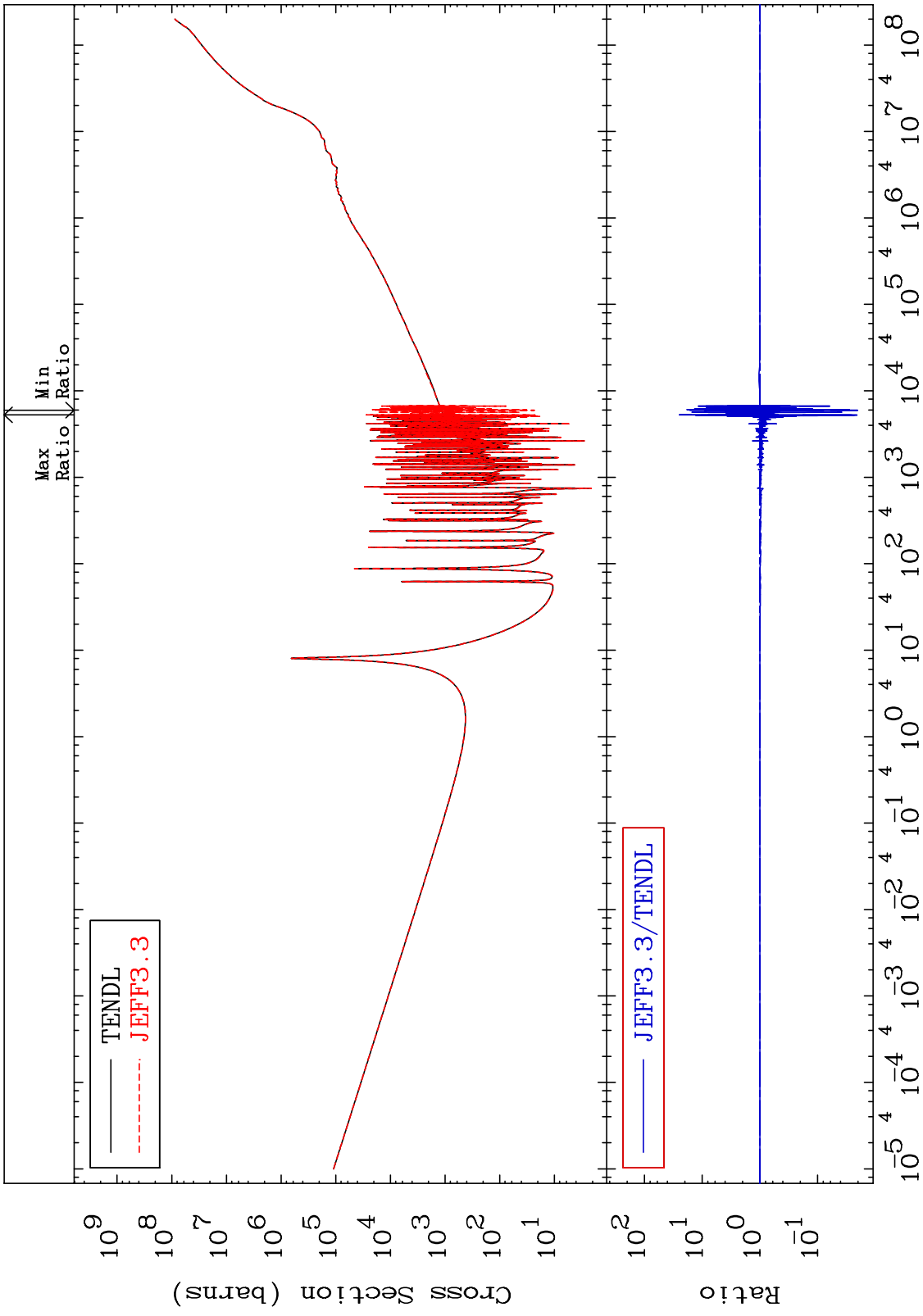


74

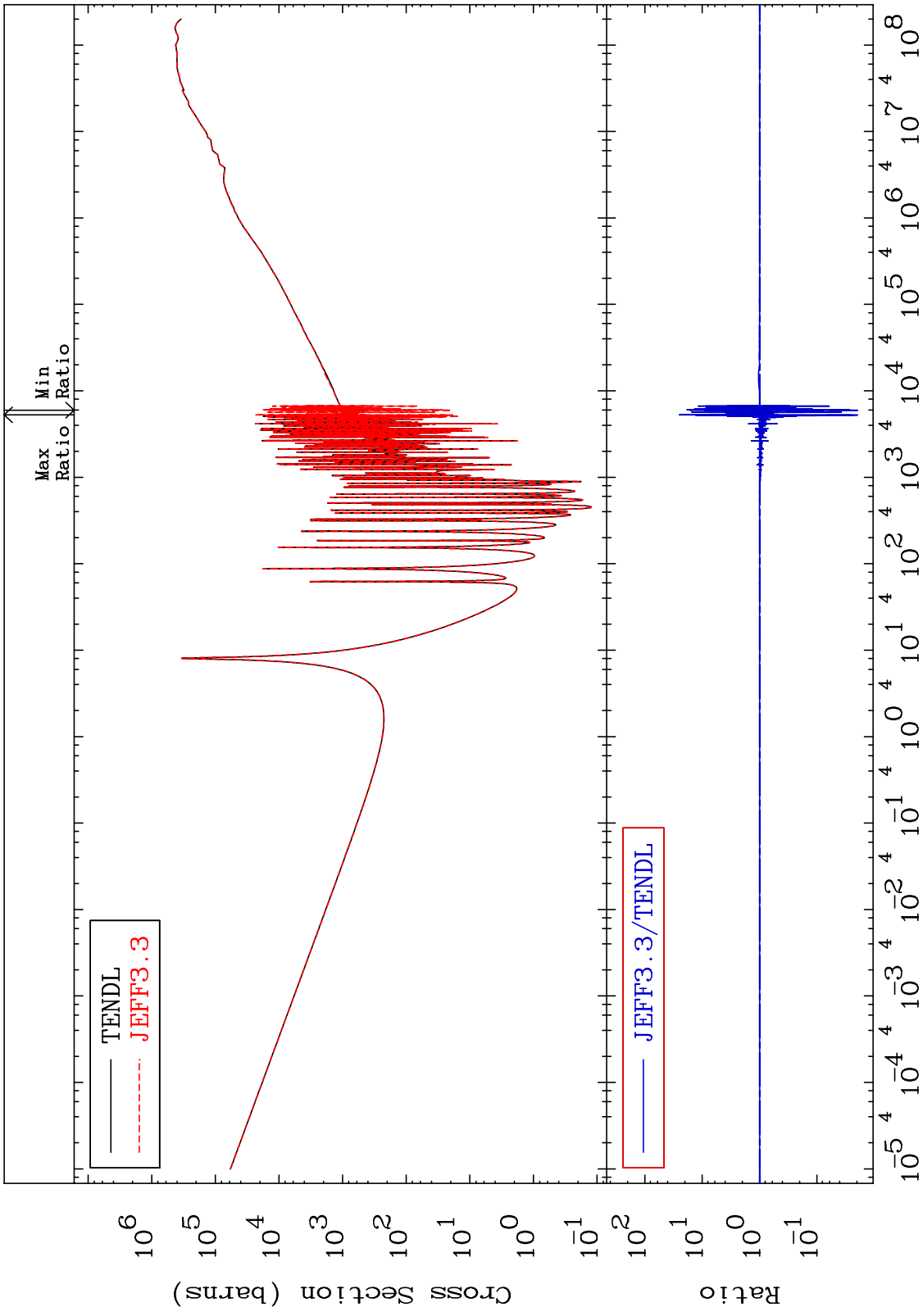
Incident Energy (eV)

62-Sm-152

MAT 6249 Total kinematic kerma (high limit) 62-Sm-152
Cross Section -97.99 To 2421. %



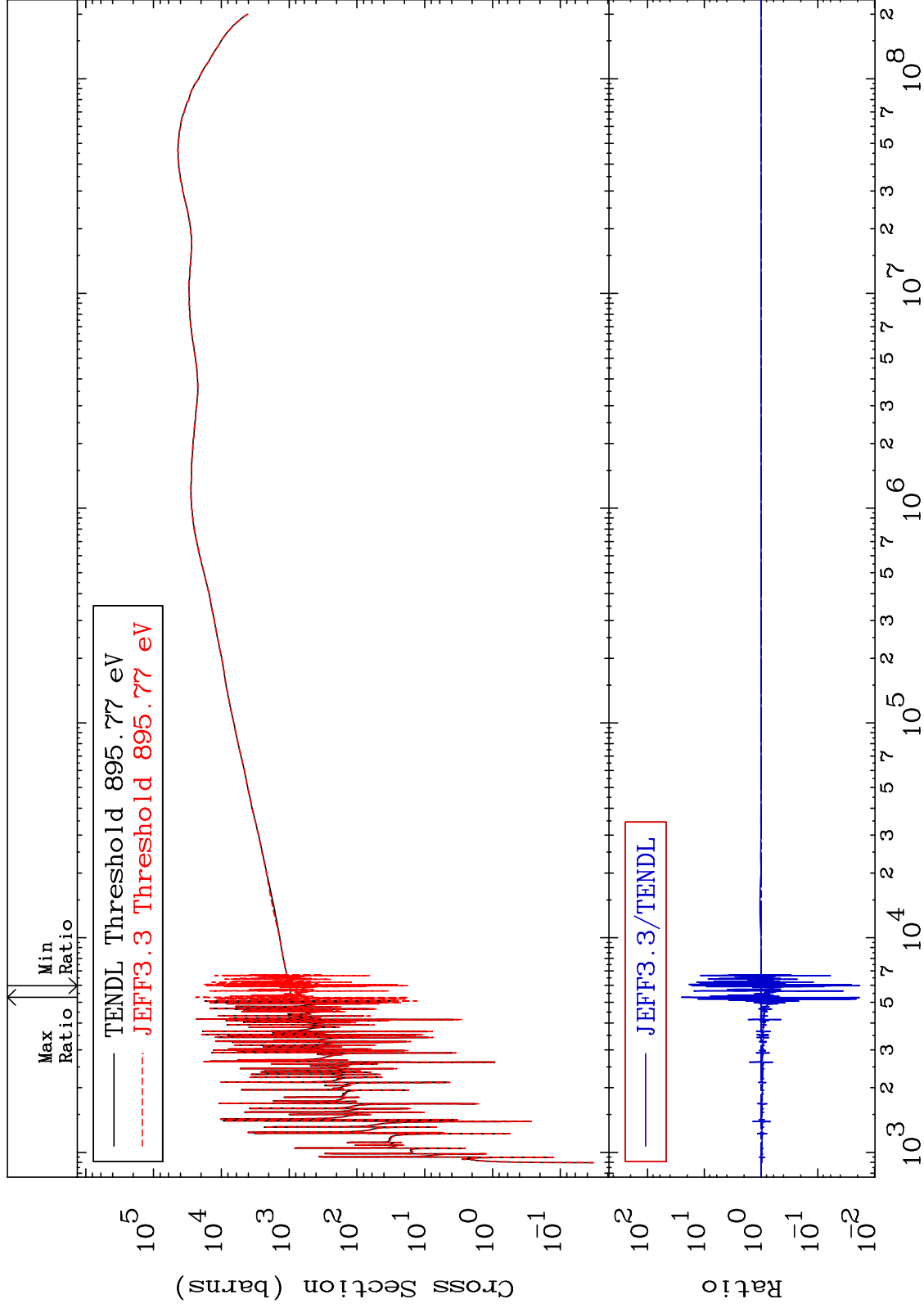
MAT 6249 Dpa total (eV-barns) 62-Sm-152
Cross Section -98.06 To 2432. %



MAT 6249

Dpa elastic (mt2)
Cross Section

62-Sm-152
-98.18 To 2445. %

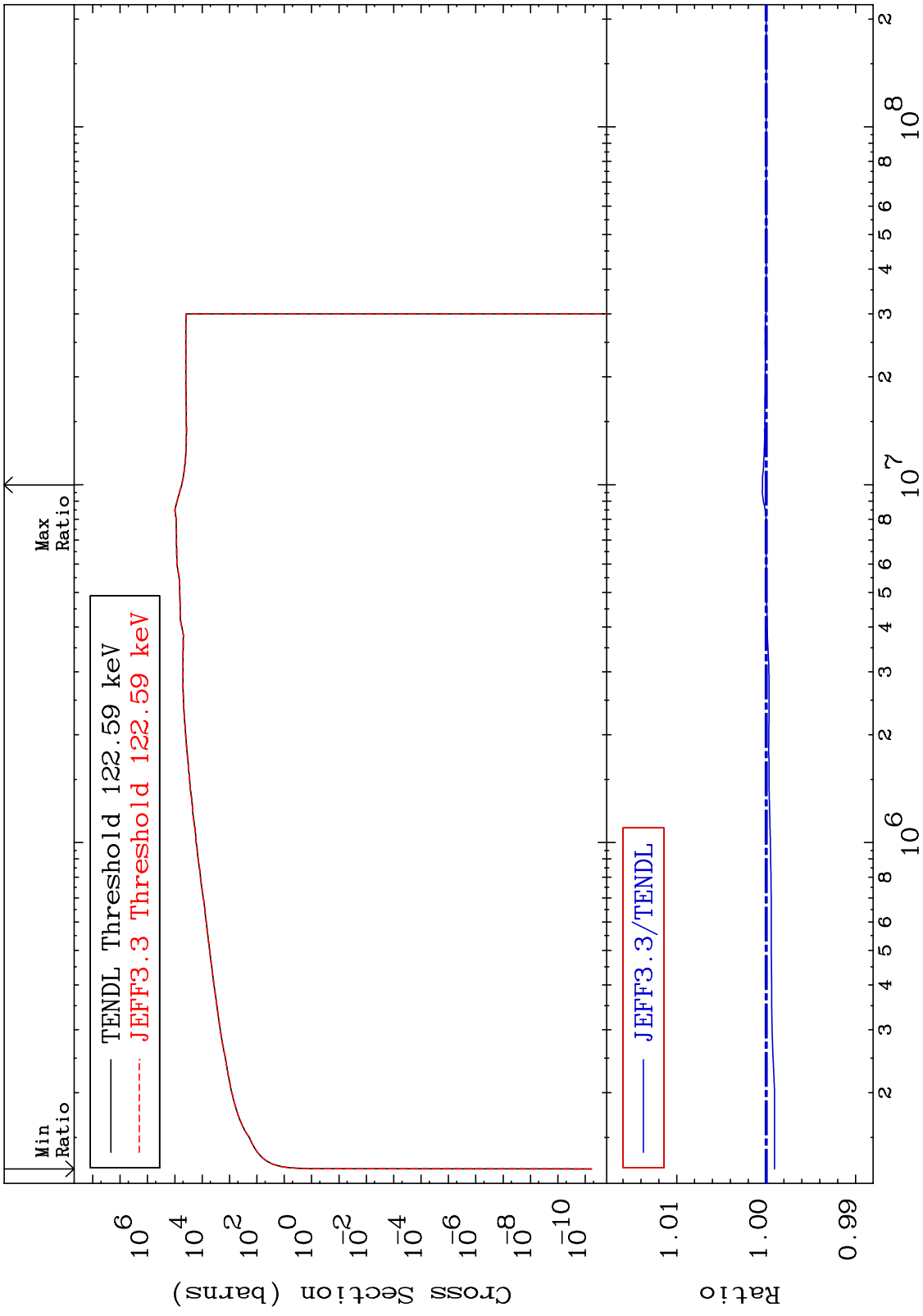


77

Incident Energy (eV)

62-Sm-152

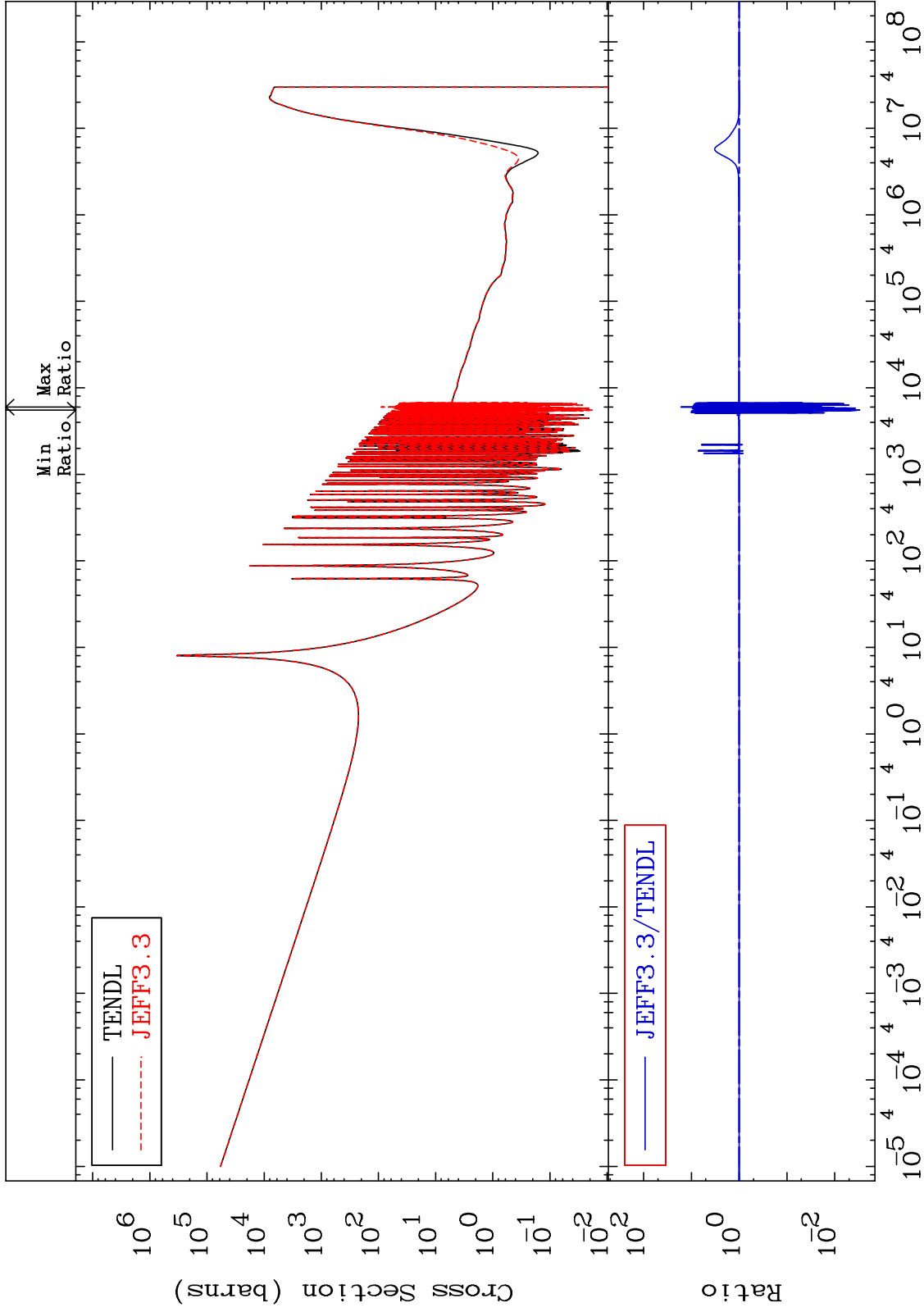
MAT 6249 Dpa inelastic (mt51-91) 62-Sm-152
 Cross Section -0.095 To 0.043 %



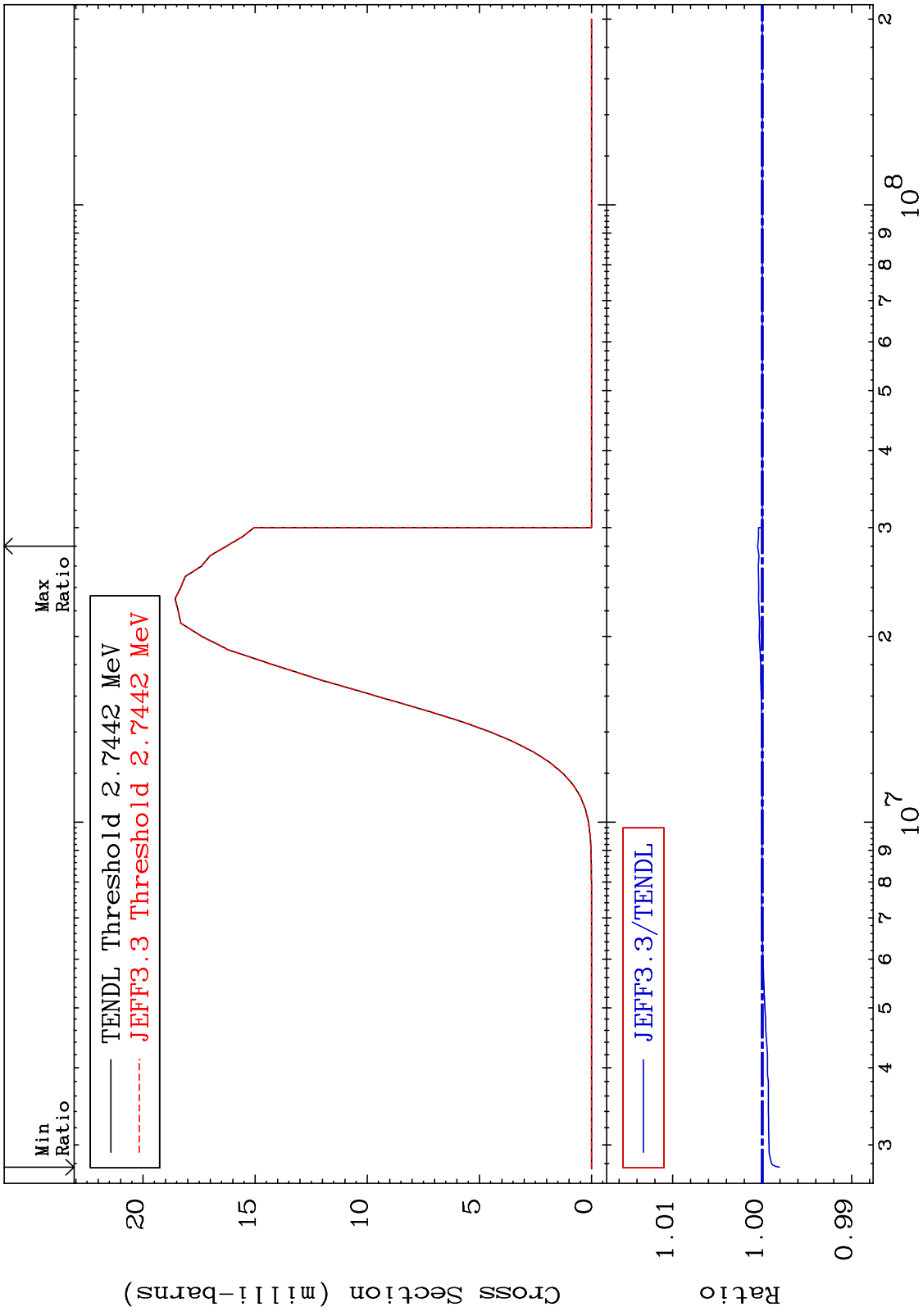
MAT 6249

Dpa disappearance (mt102 -120)
Cross Section

62-Sm-152
-99.70 To 1564. %



MAT 6249 (n,p):61-Pm-152g 62-Sm-152
 Radionuclide Production Cross Section -0.191 To 0.051 %

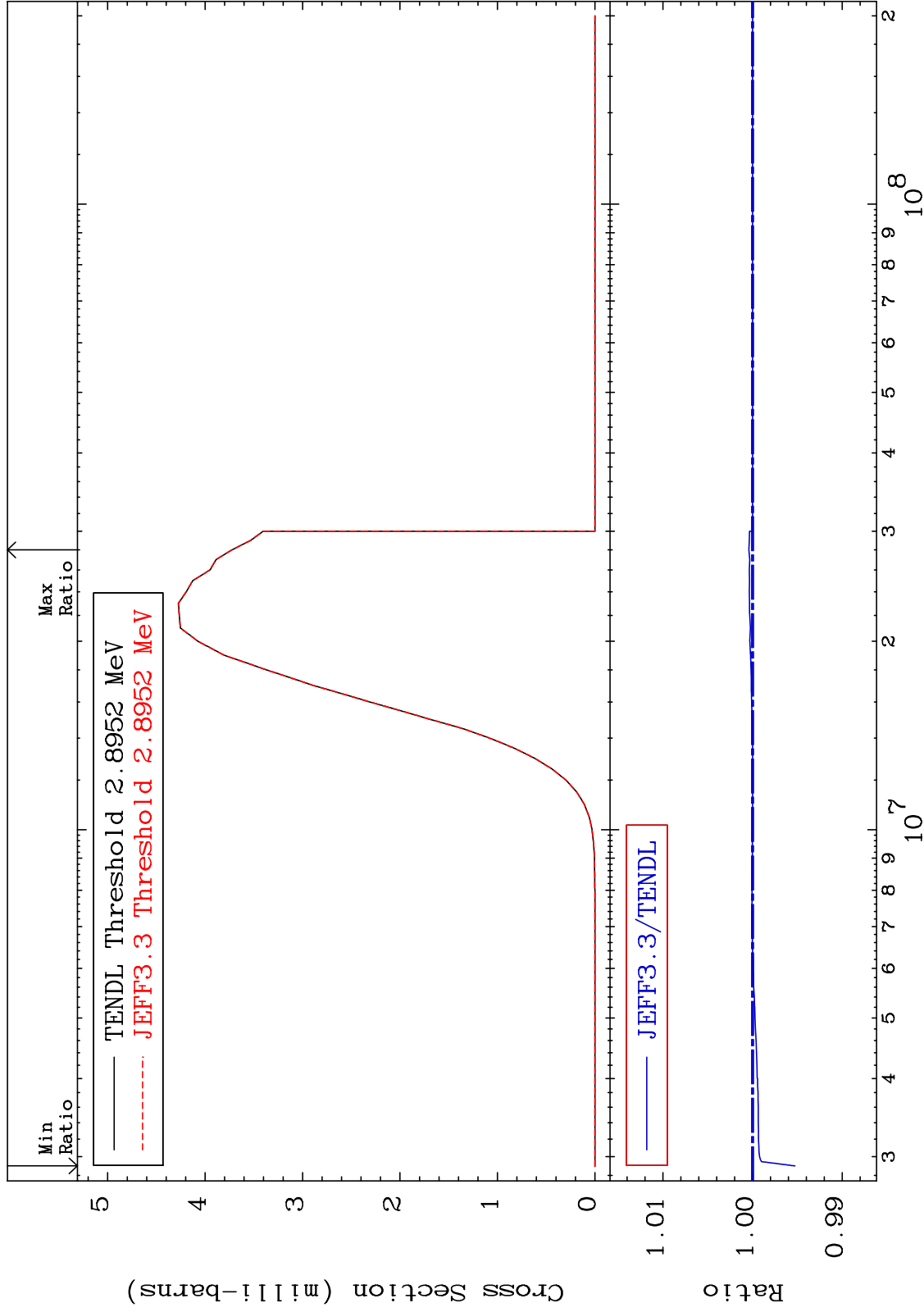


MAT 6249

(n, p) : 61-Pm-152m4

62-Sm-152

Radionuclide Production Cross Section -0.473 To 0.043 %

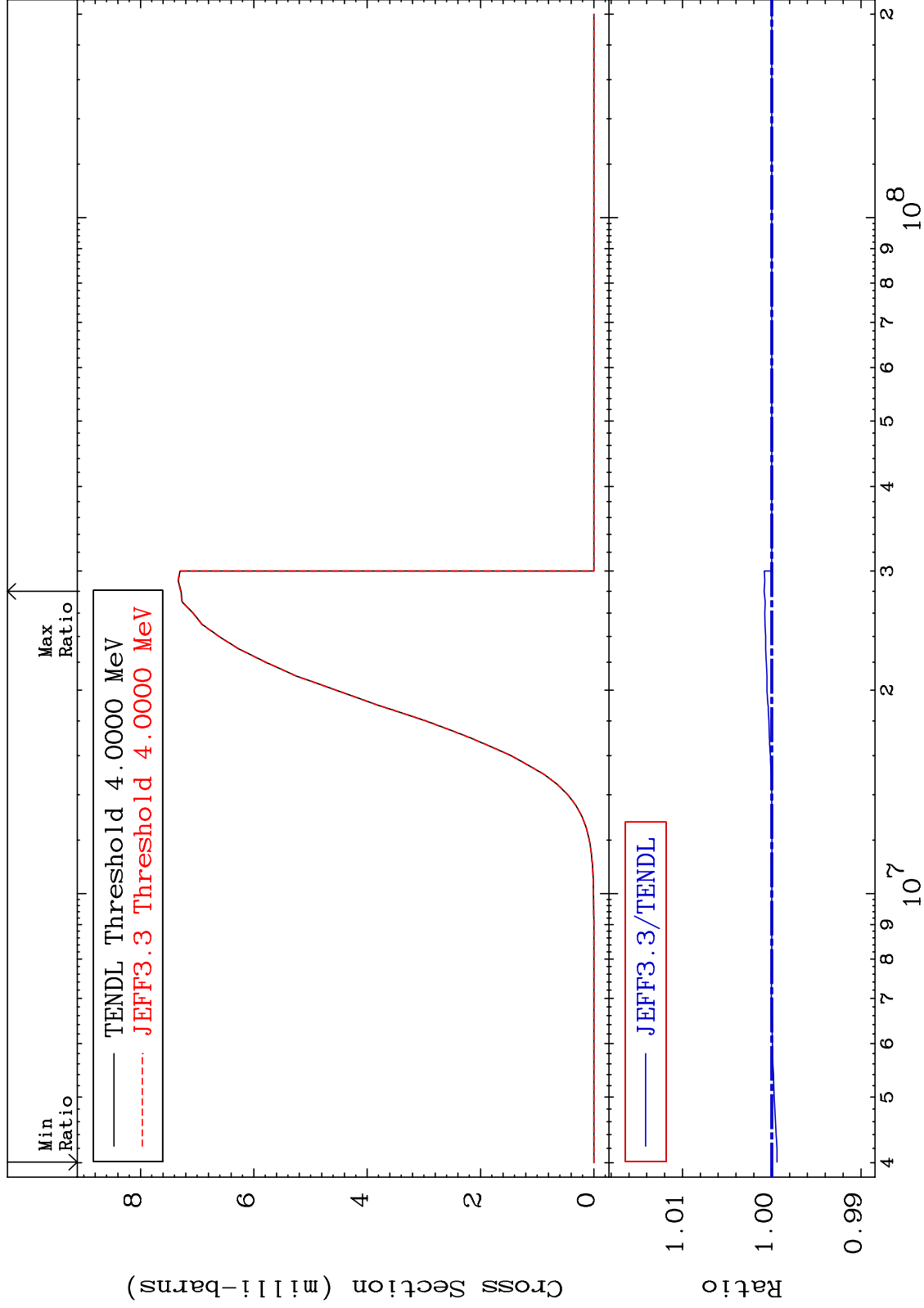


MAT 6249

(n,p):61-Pm-152m10

62-Sm-152

Radionuclide Production Cross Section -0.059 To 0.086 %

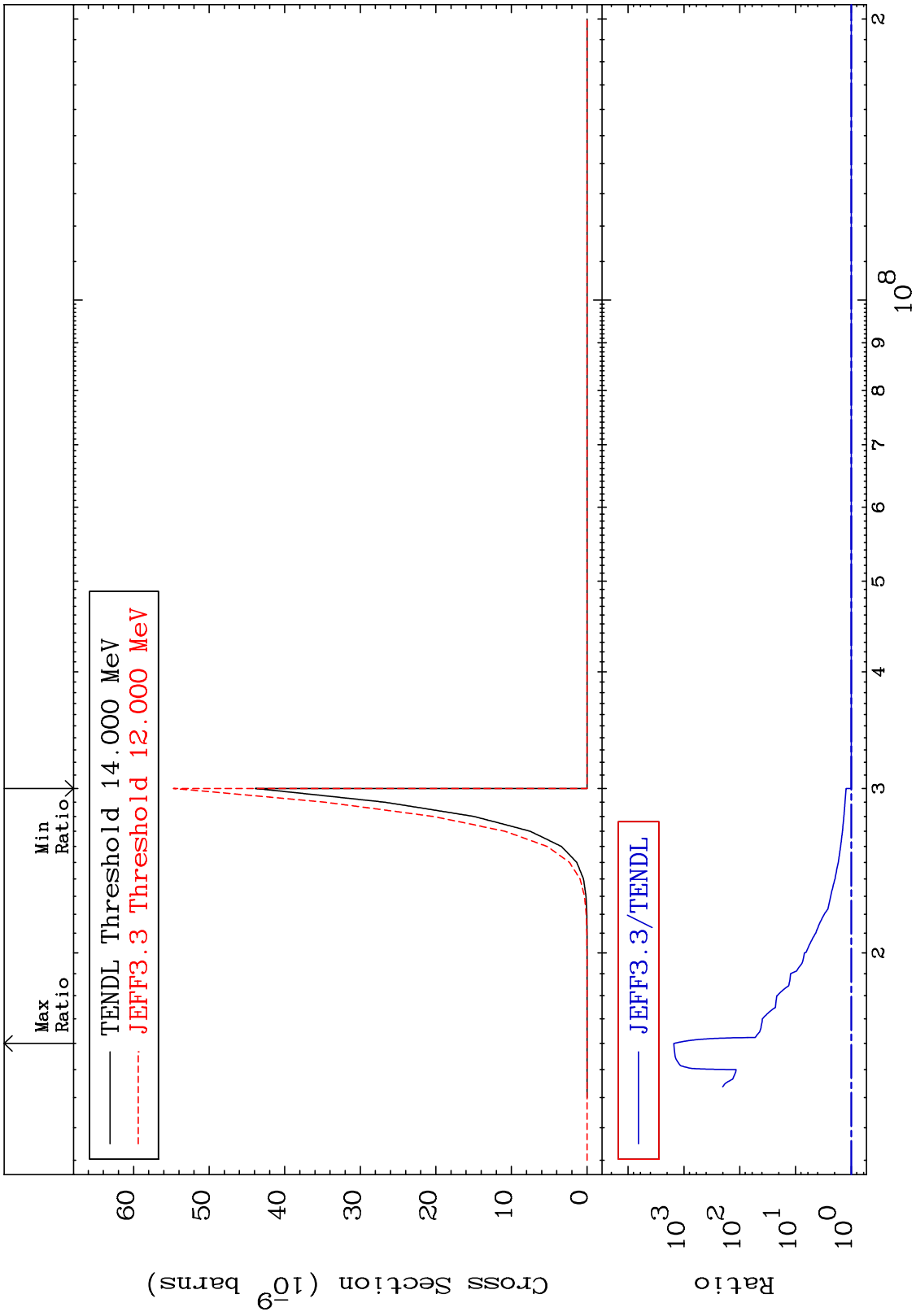


82

Incident Energy (eV)

62-Sm-152

MAT 6249 (n,p) α :59-Pr-148g 62-Sm-152
 Radionuclide Production Cross Section 0.000 To 9999. %



MAT 6249 (n,p) α :59-Pr-148m1 62-Sm-152
 Radionuclide Production Cross Section 0.000 To 9999. %

