

Program Complot
(Version 2018-1)

by

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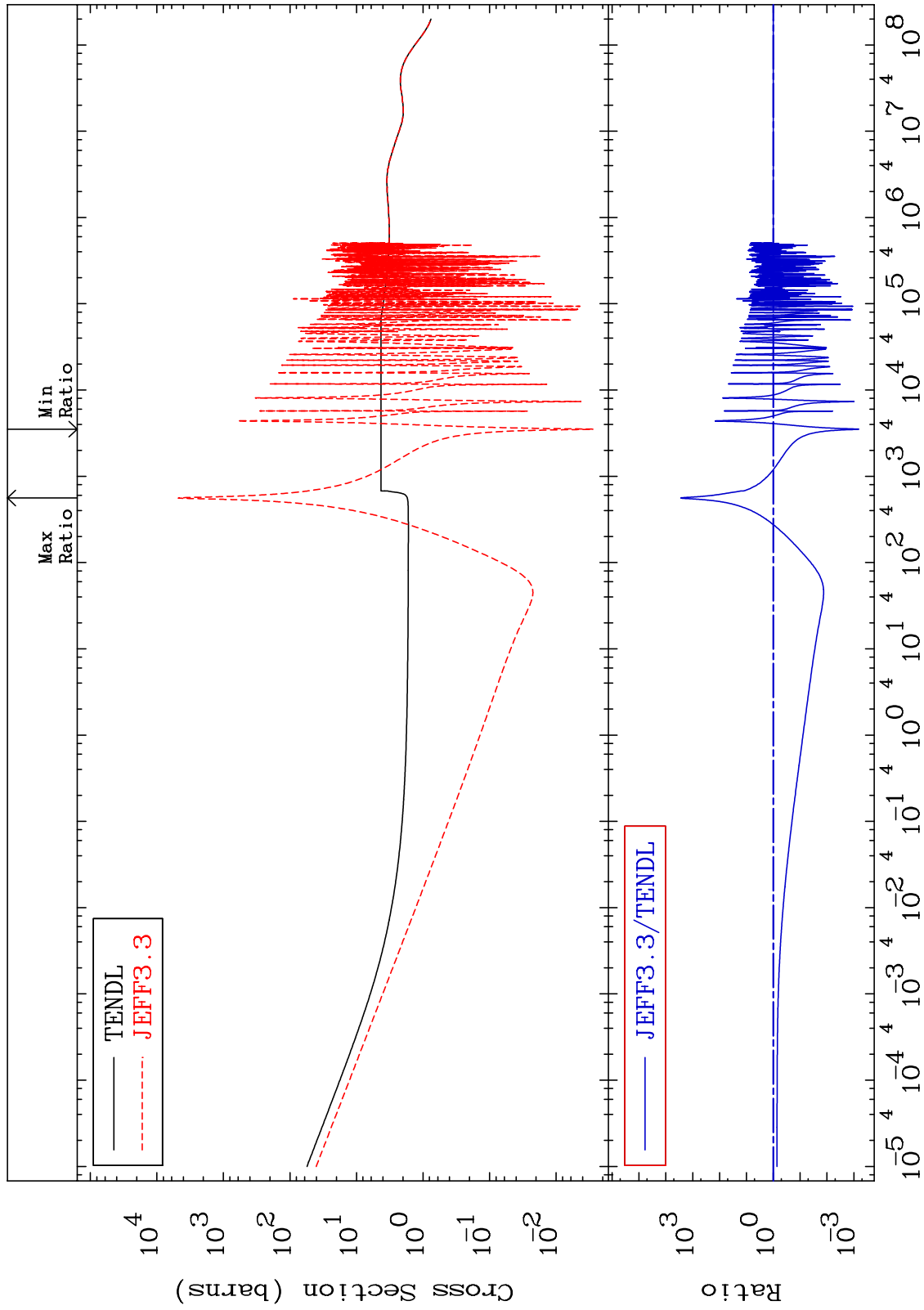
Press Mouse Button to Start

MAT 1831

Total
Cross Section

18-Ar-38

-99.94 To 9999. %



Incident Energy (eV)

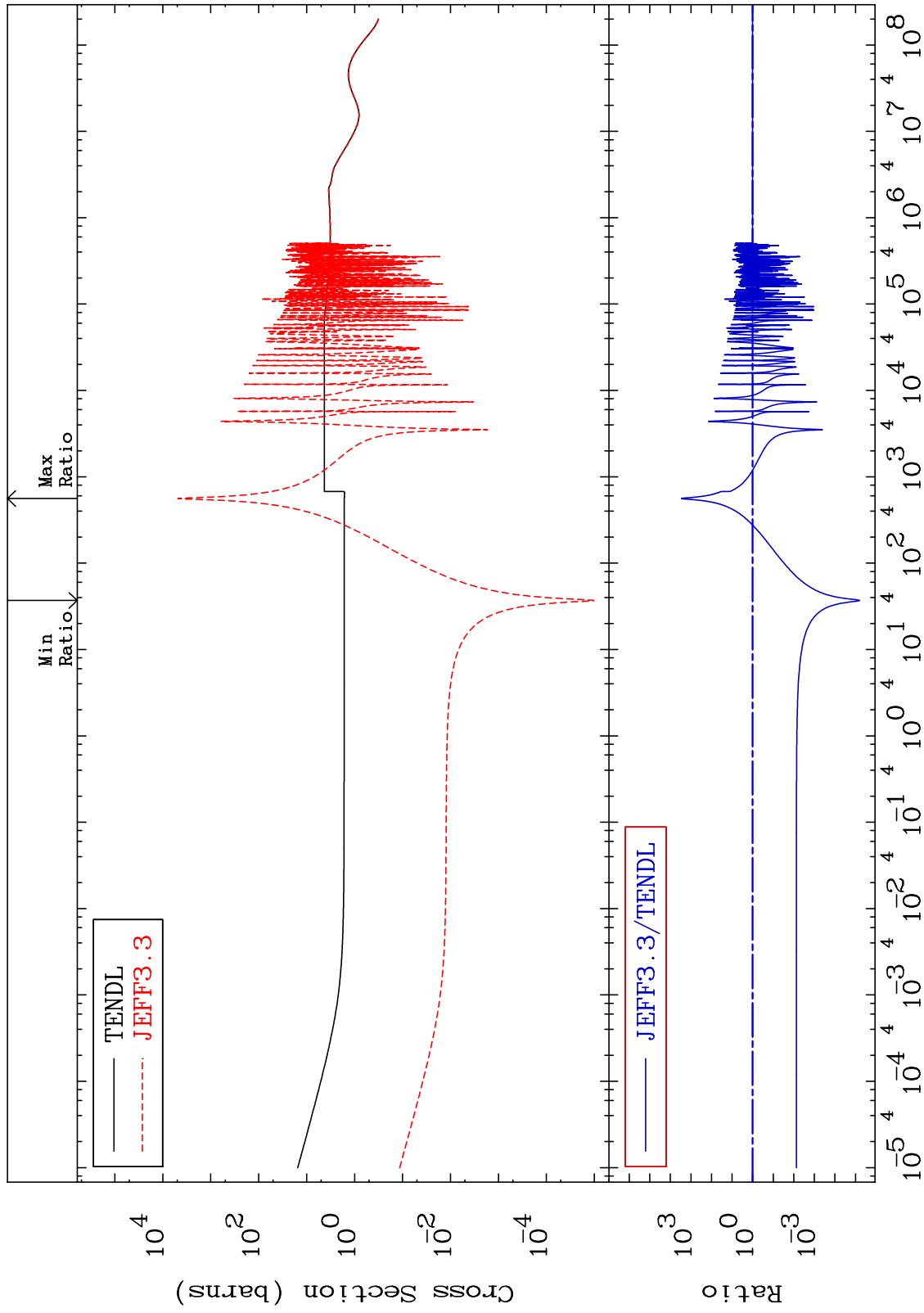
18-Ar-38

MAT 1831

Elastic
Cross Section

18-Ar-38

-100.0 To 9999. %



2

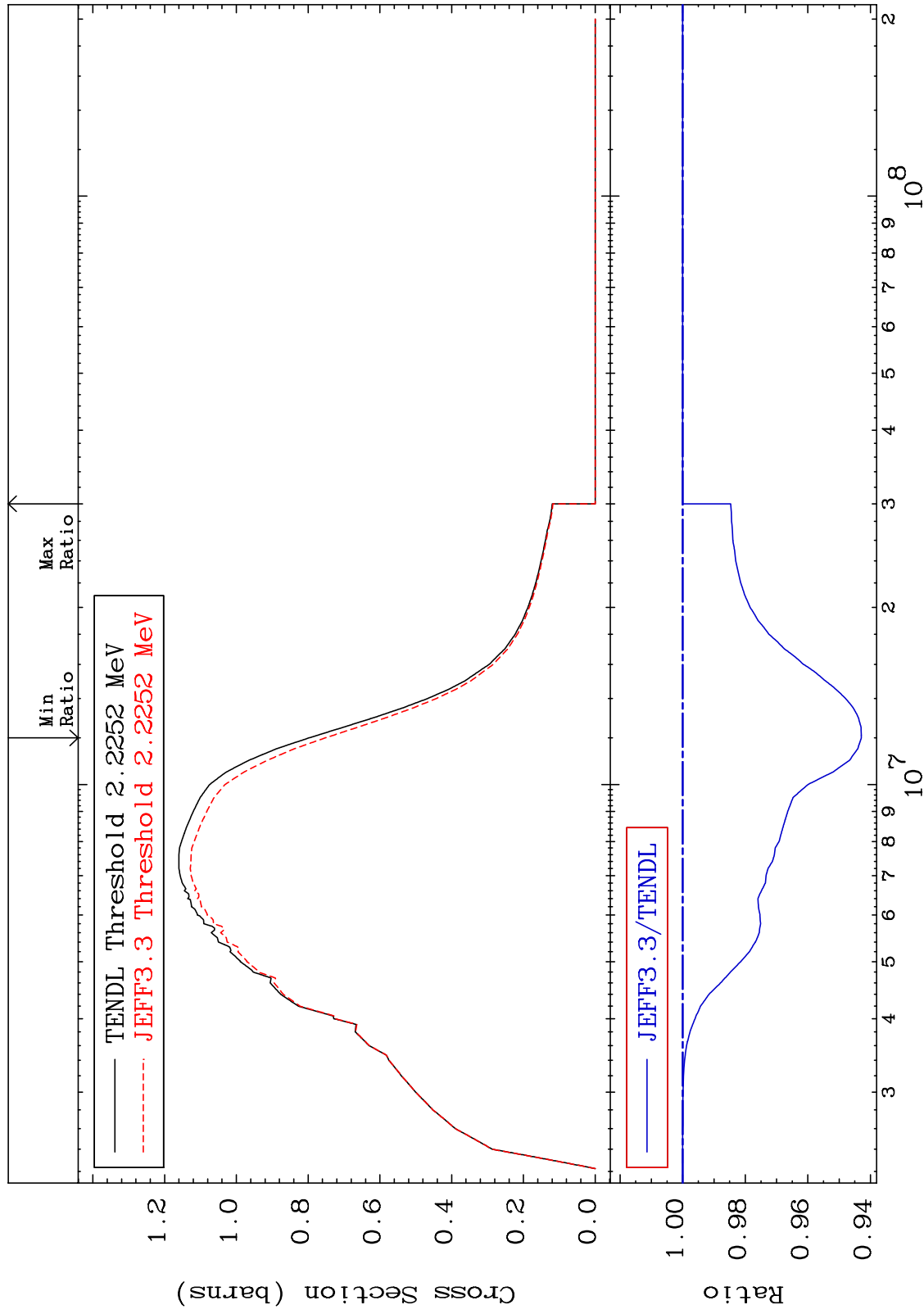
Incident Energy (eV)

18-Ar-38

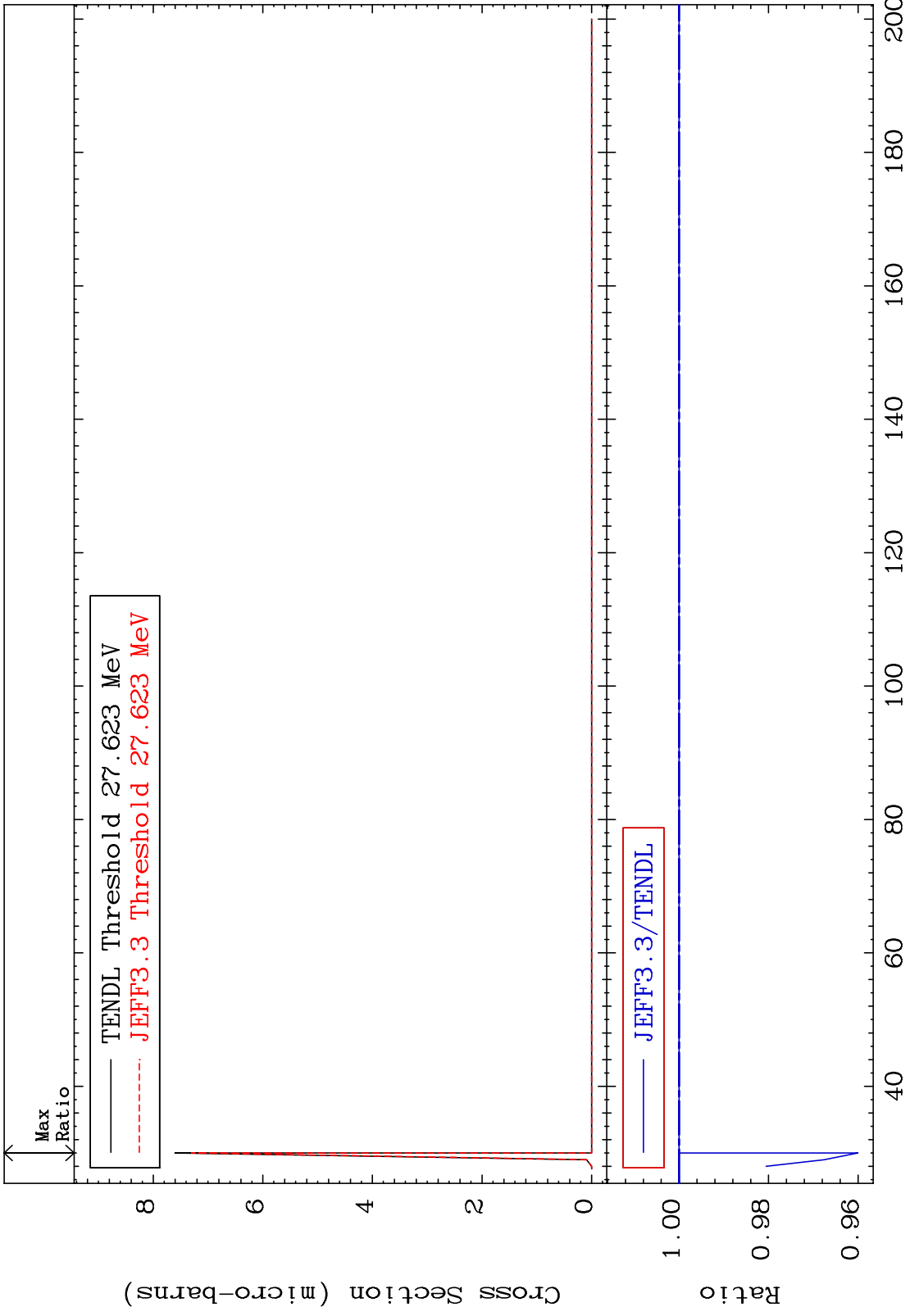
MAT 1831

Inelastic
Cross Section

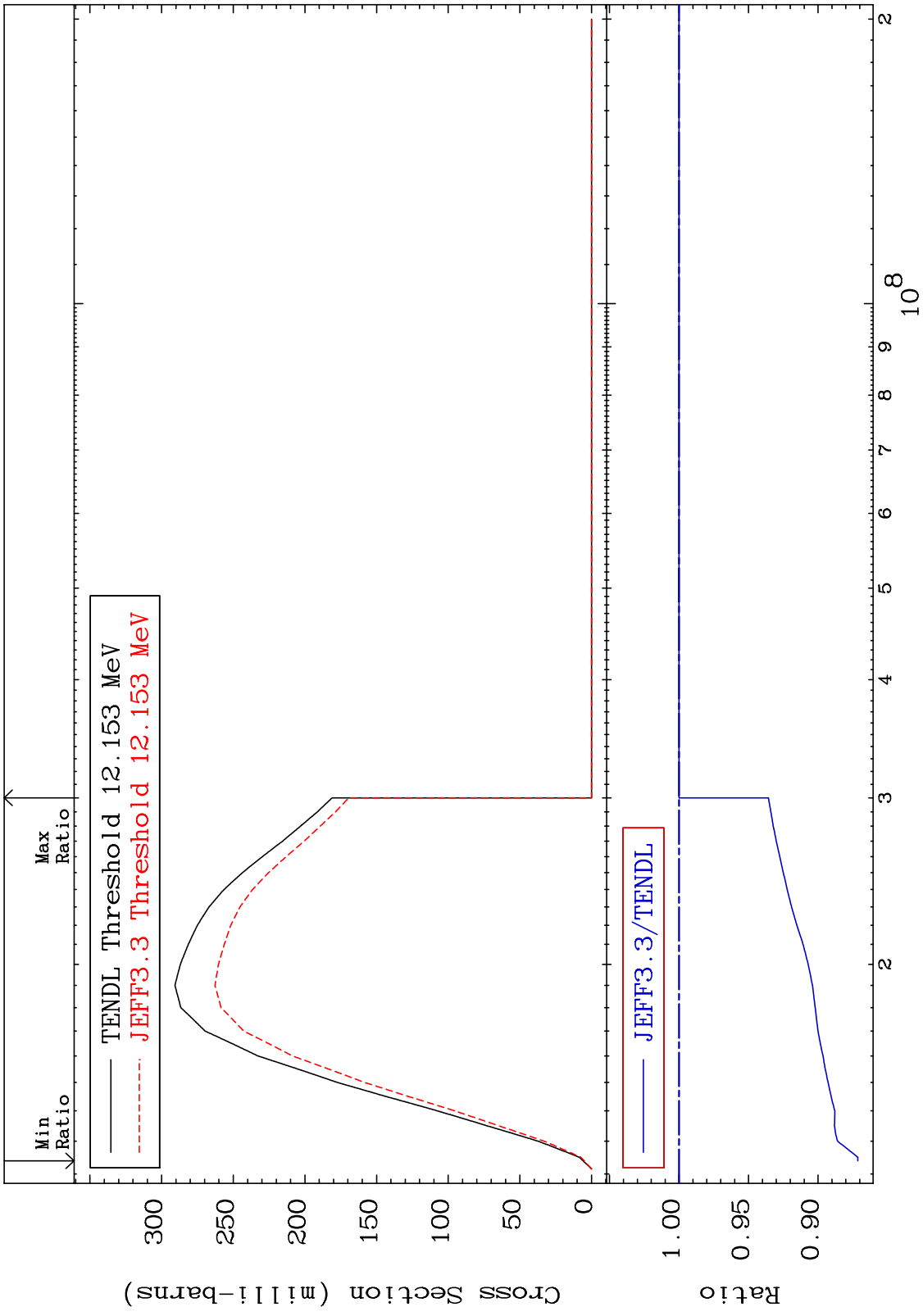
18-Ar-38
-5.709 To 0.000 %



MAT 1831 (n,2n) d 18-Ar-38
Cross Section -3.998 To 0.000 %

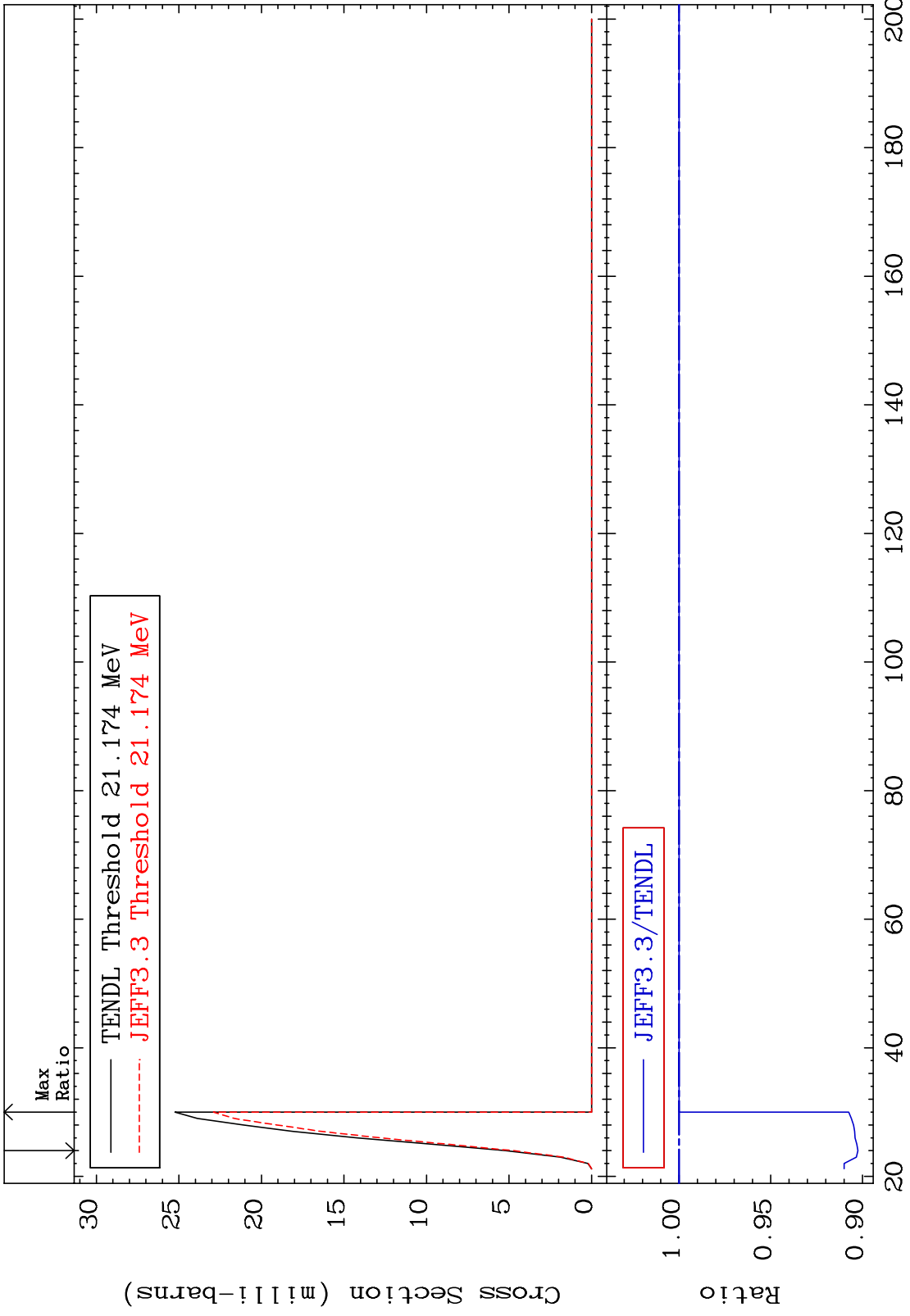


MAT 1831 18-Ar-38
 (n,2n) -12.86 To 0.000 %
 Cross Section

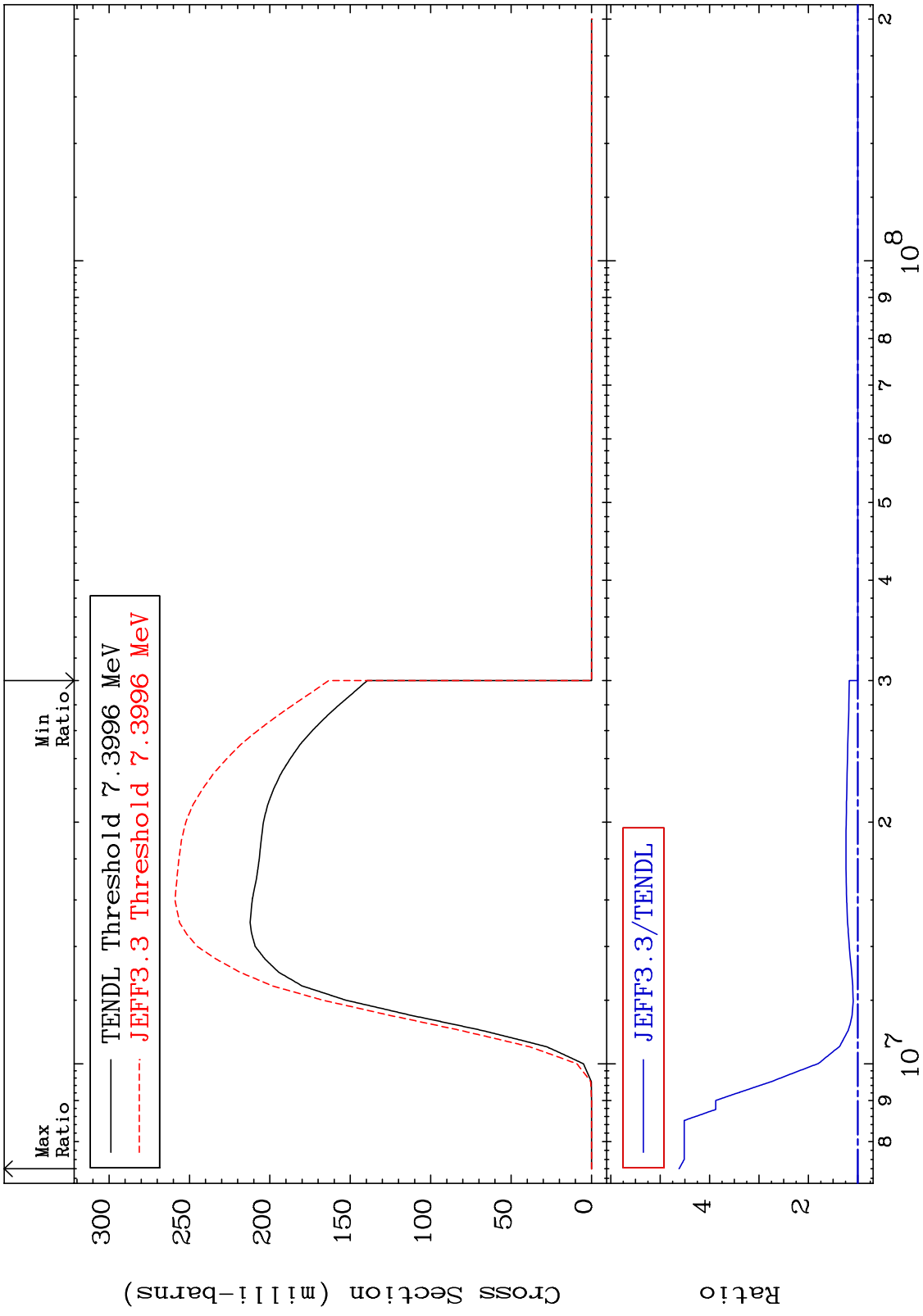


5 18-Ar-38

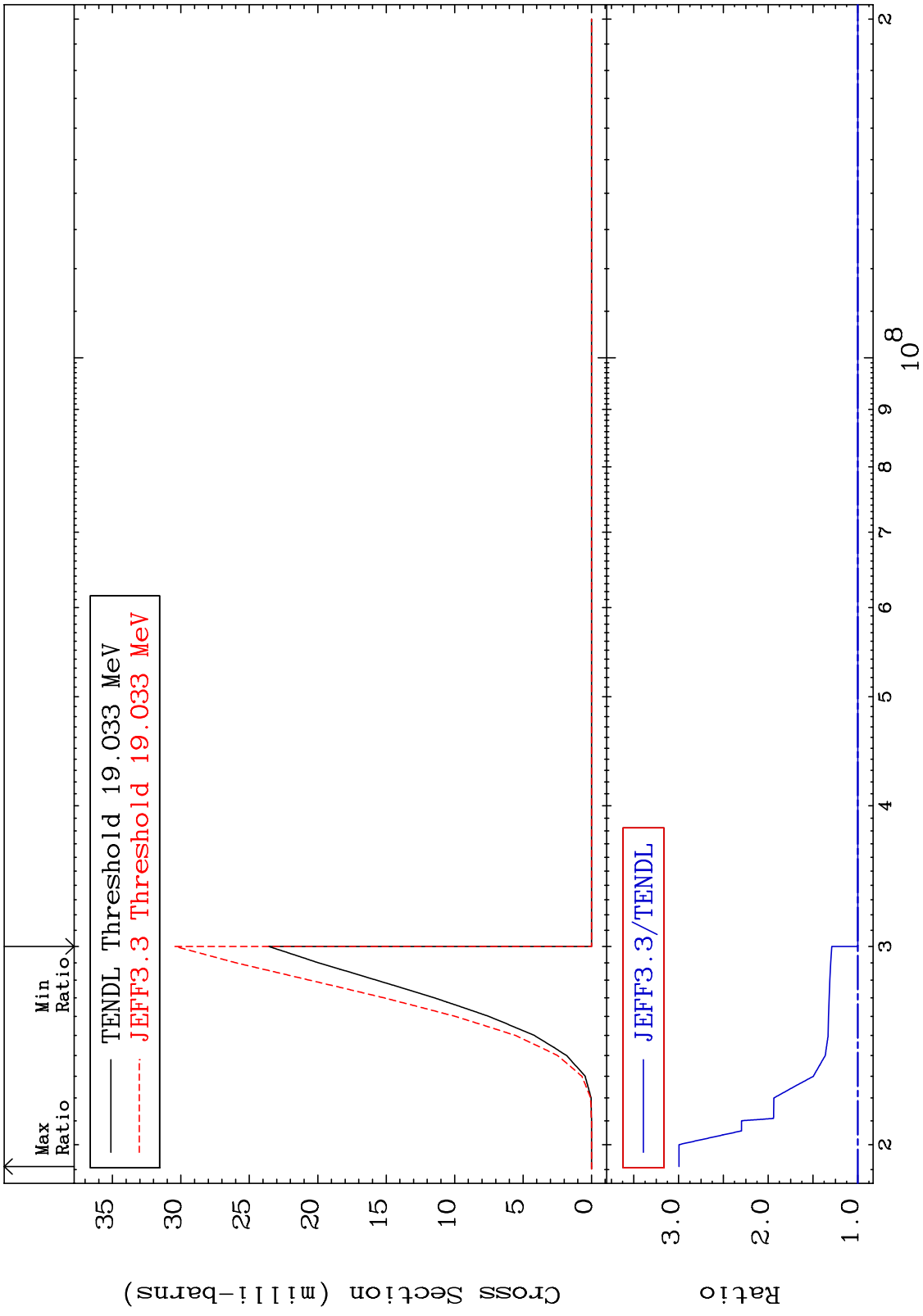
MAT 1831 (n,3n) 18-Ar-38
Cross Section -9.756 To 0.000 %



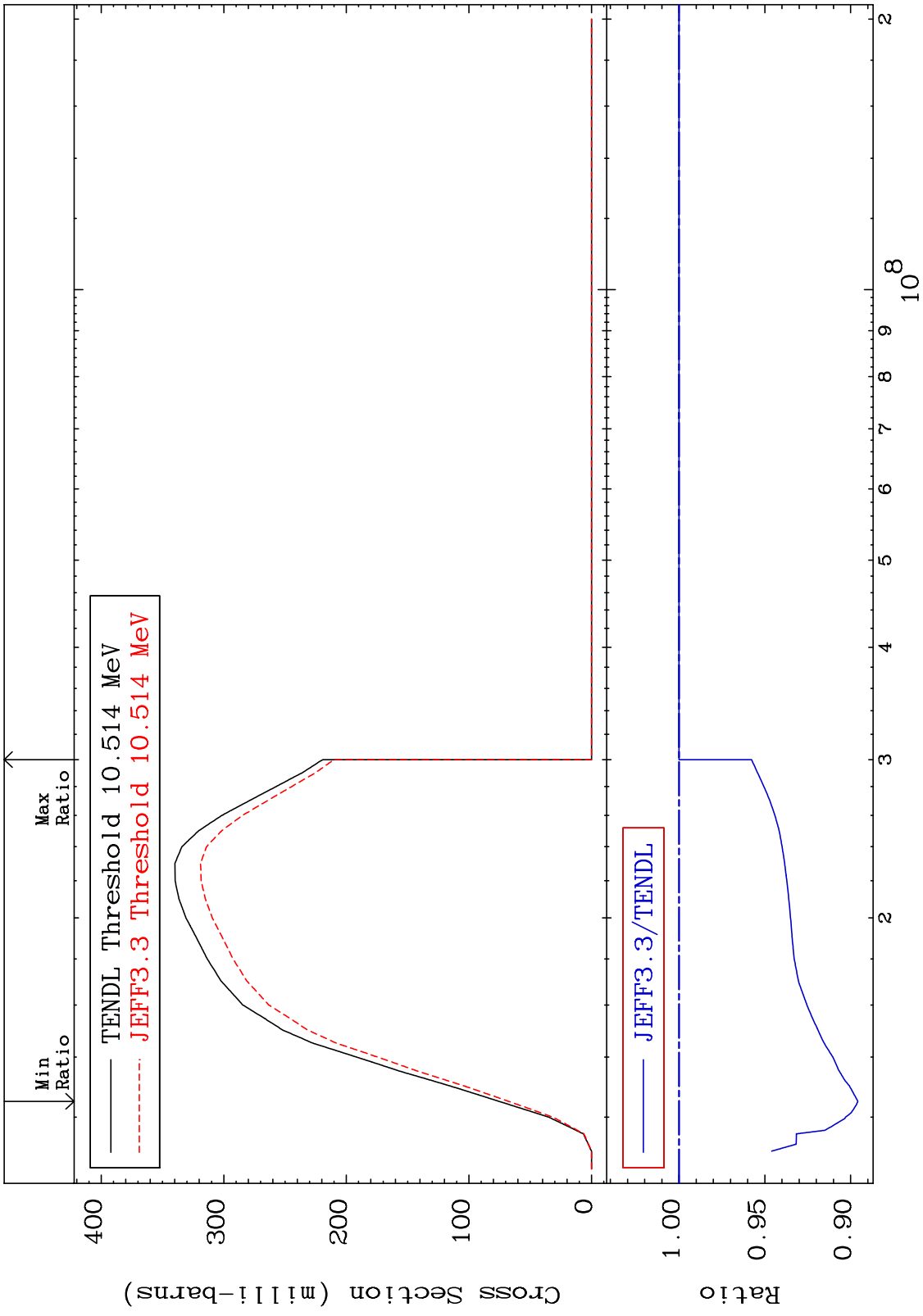
MAT 1831 $(n, n') \alpha$ Cross Section 18-Ar-38 To 362.0 %



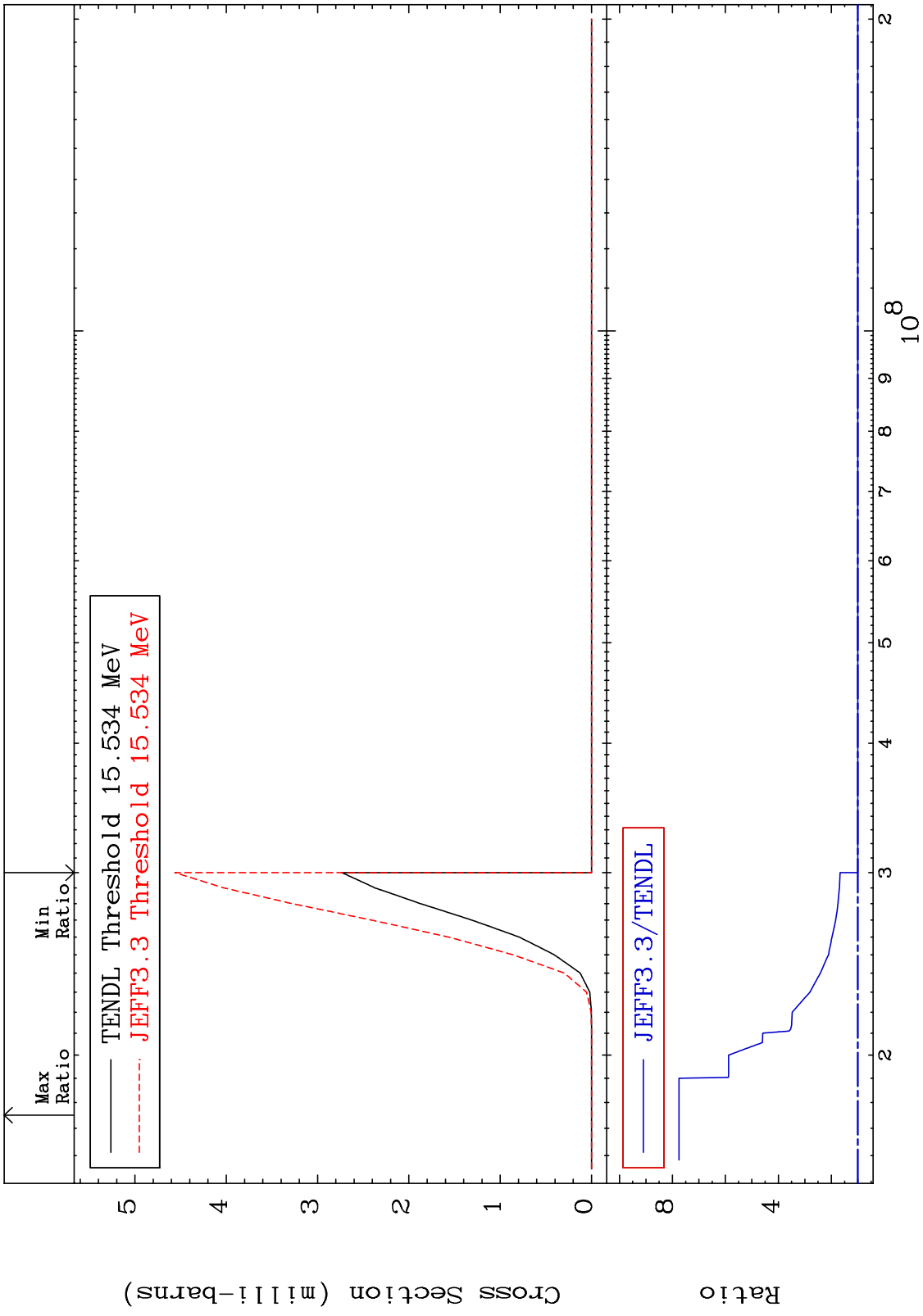
MAT 1831 $(n, 2n) \alpha$ 18-Ar-38
 Cross Section 0.000 To 199.5 %

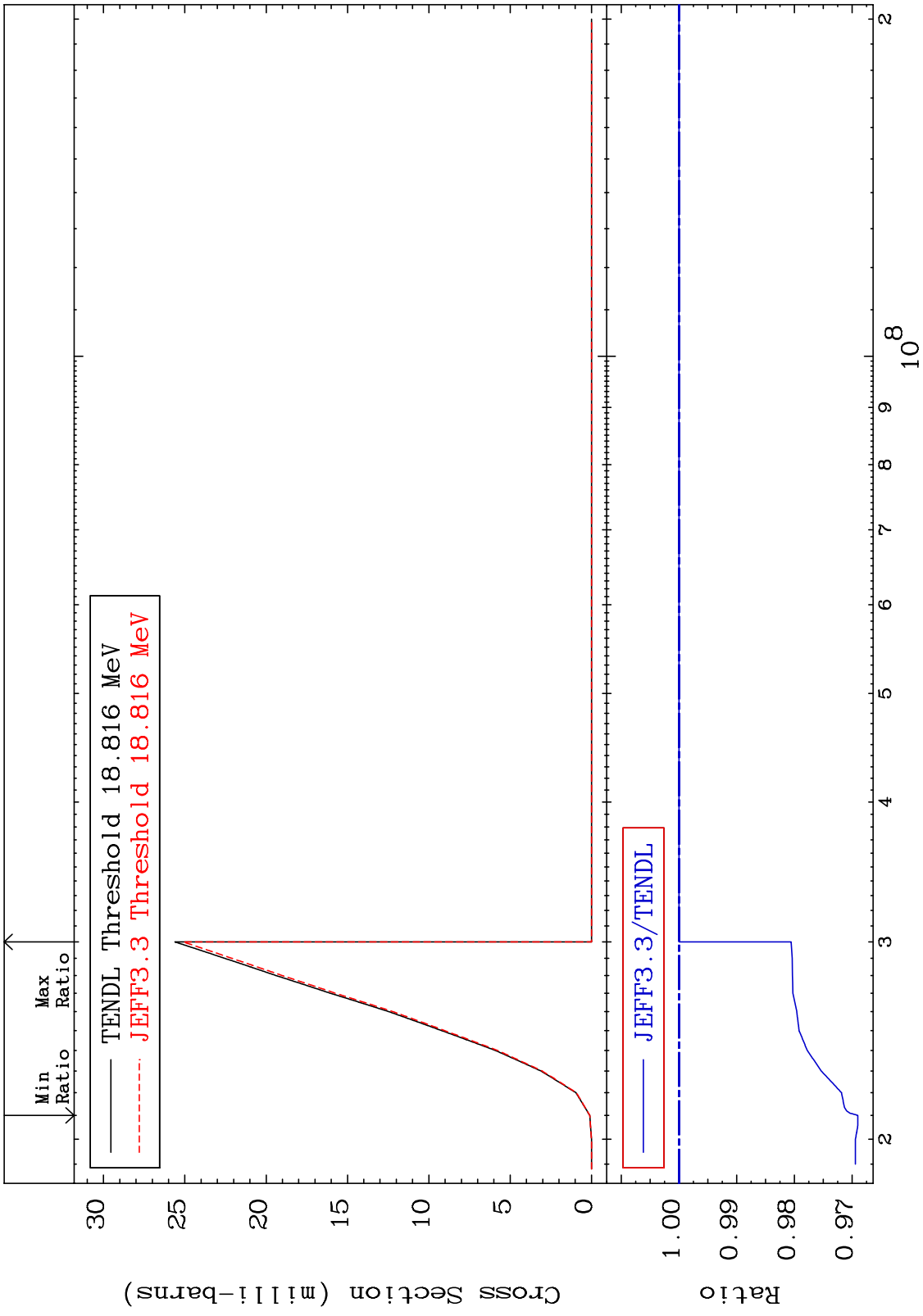


MAT 1831 (n,n') p 18-Ar-38
Cross Section -10.42 To 0.000 %

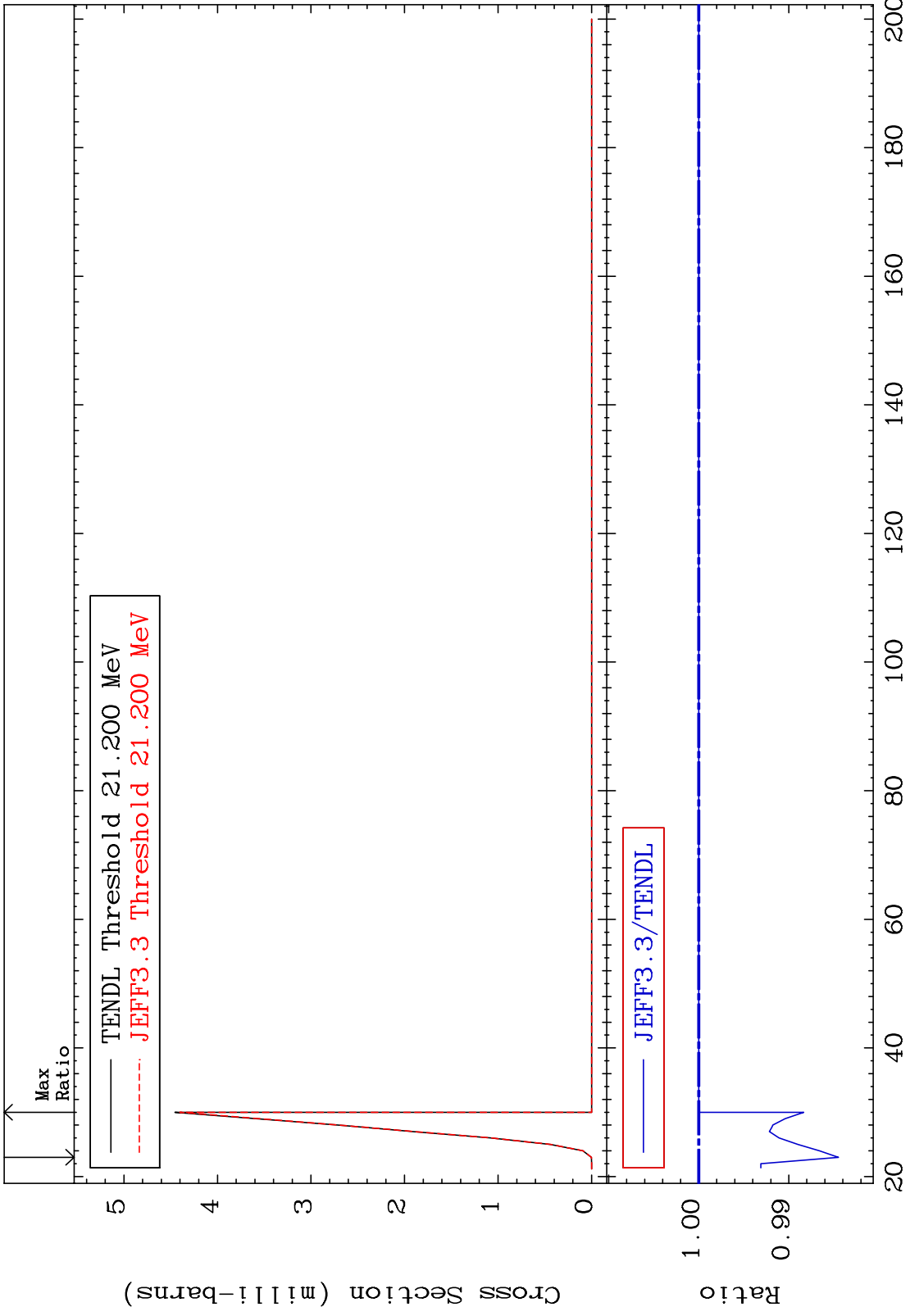


MAT 1831 (n,n') 2α Cross Section 18-Ar-38 To 674.9 %





MAT 1831 (n,n') t 18-Ar-38
Cross Section -1.550 To 0.000 %



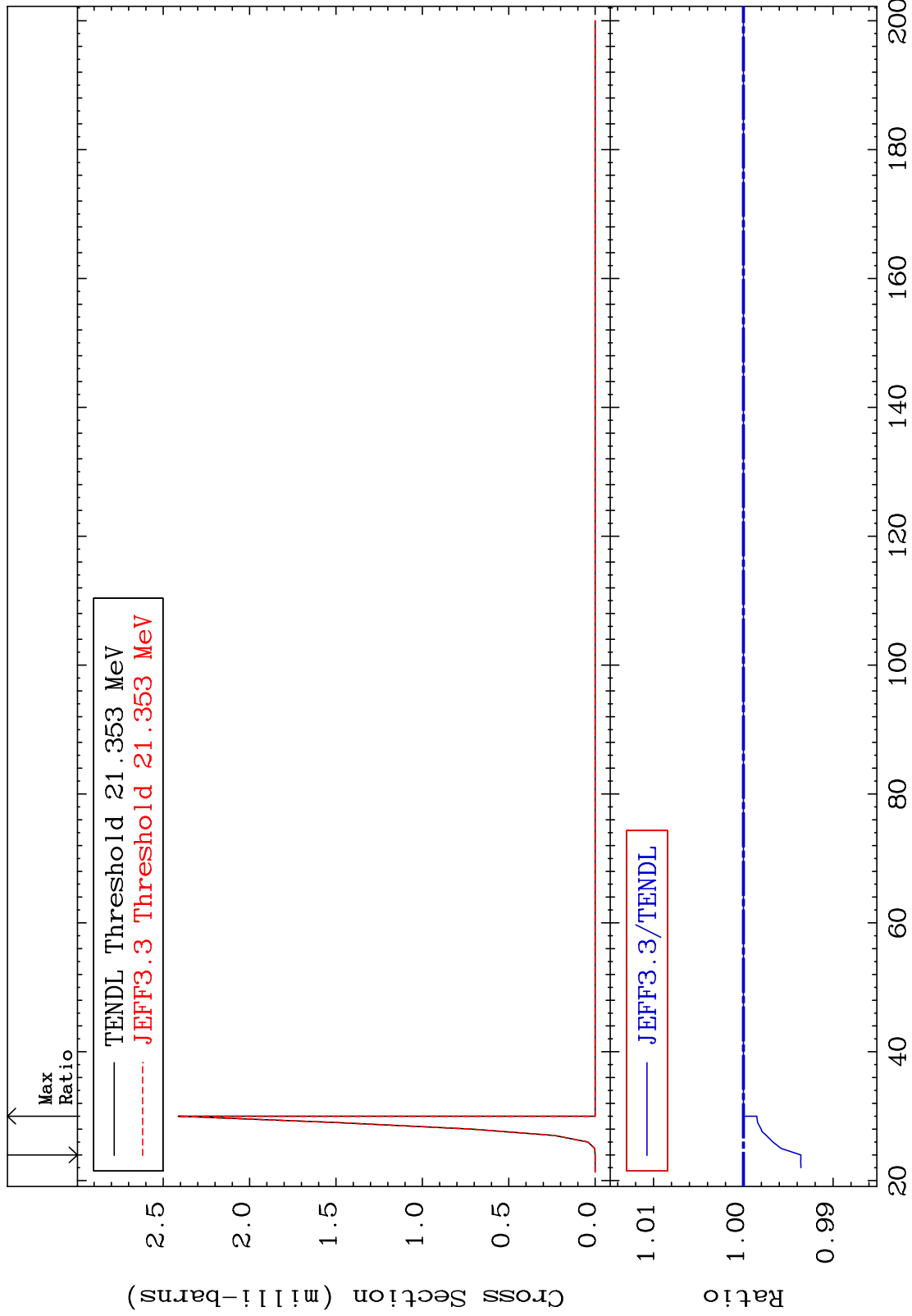
18-Ar-38

Incident Energy (MeV)

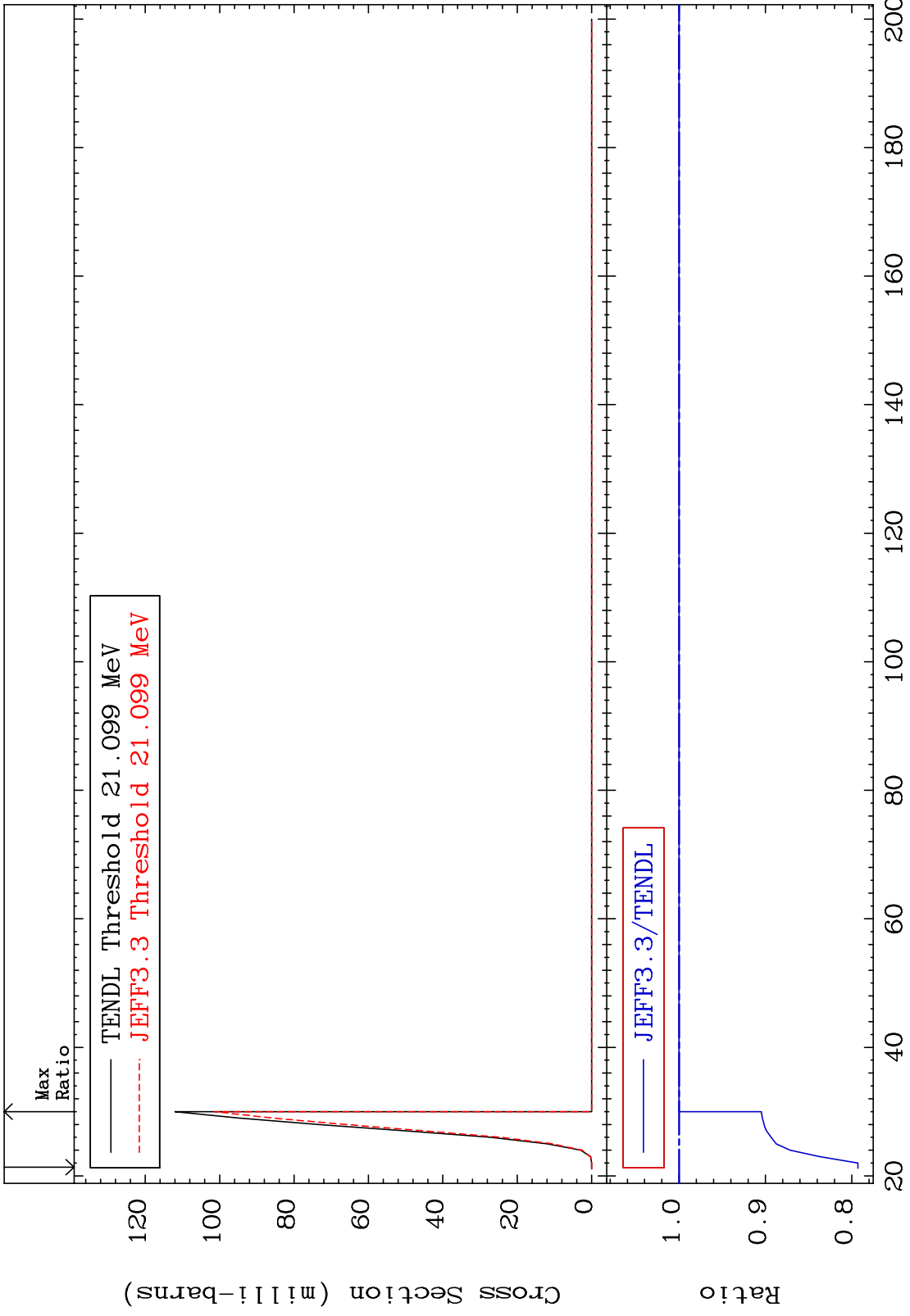
MAT 1831

(n, n') He-3
Cross Section

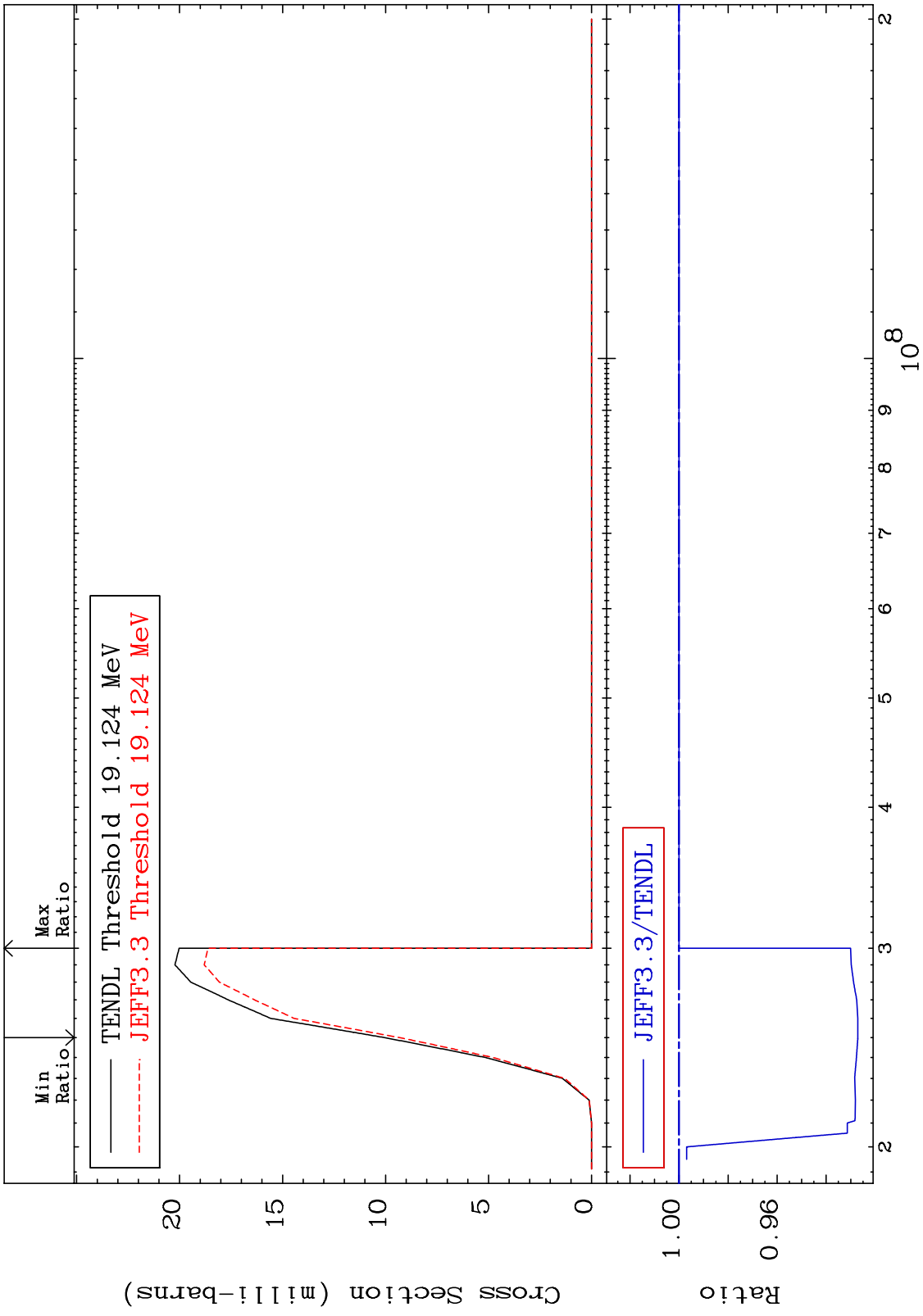
18-Ar-38
-0.642 To 0.000 %



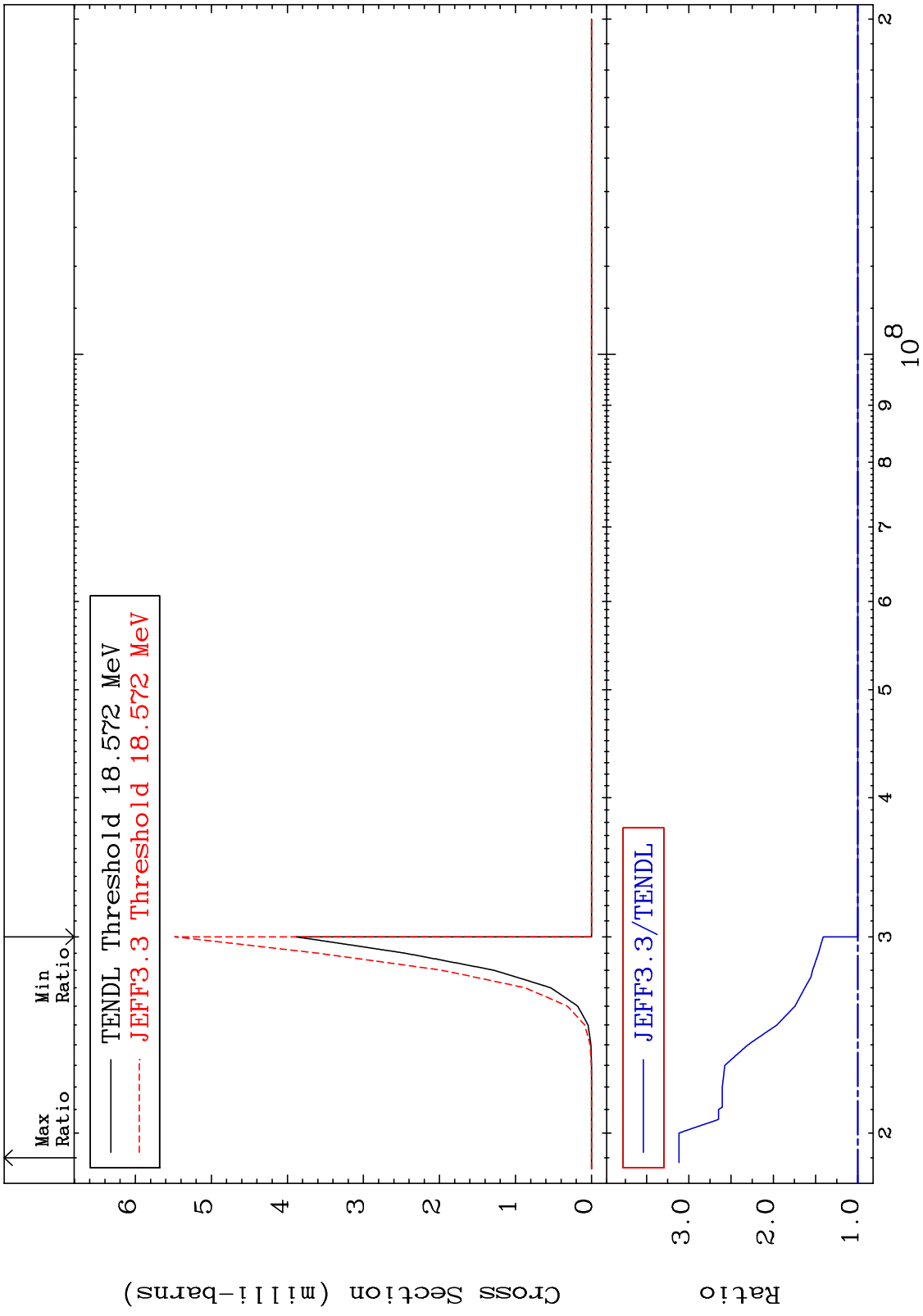
MAT 1831 (n,2n) p 18-Ar-38
 Cross Section -20.72 To 0.000 %



MAT 1831 (n,2n) p 18-Ar-38
 Cross Section -7.291 To 0.000 %

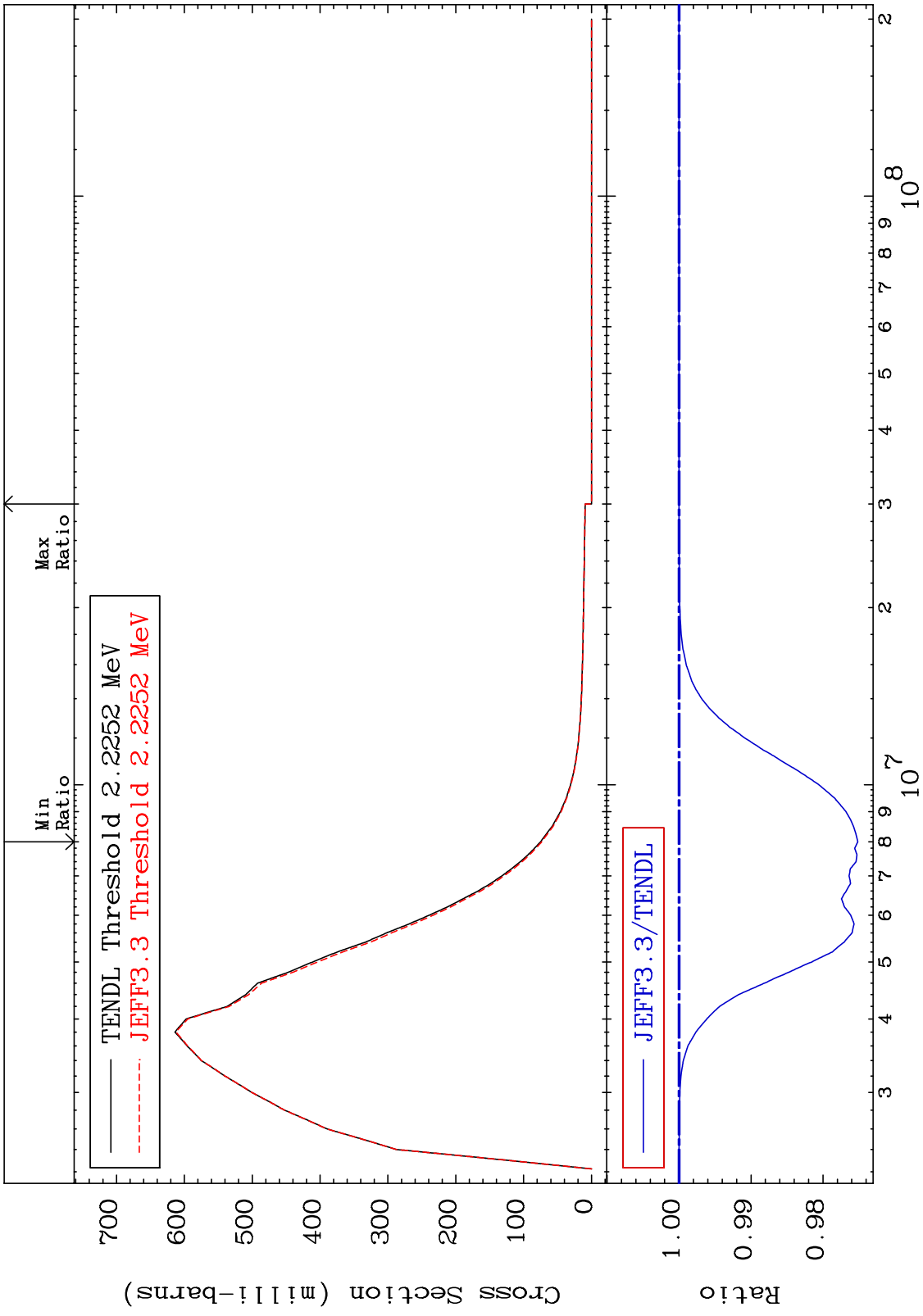


MAT 1831 (n,n') p α 18-Ar-38
Cross Section 0.000 To 211.5 %



18-Ar-38

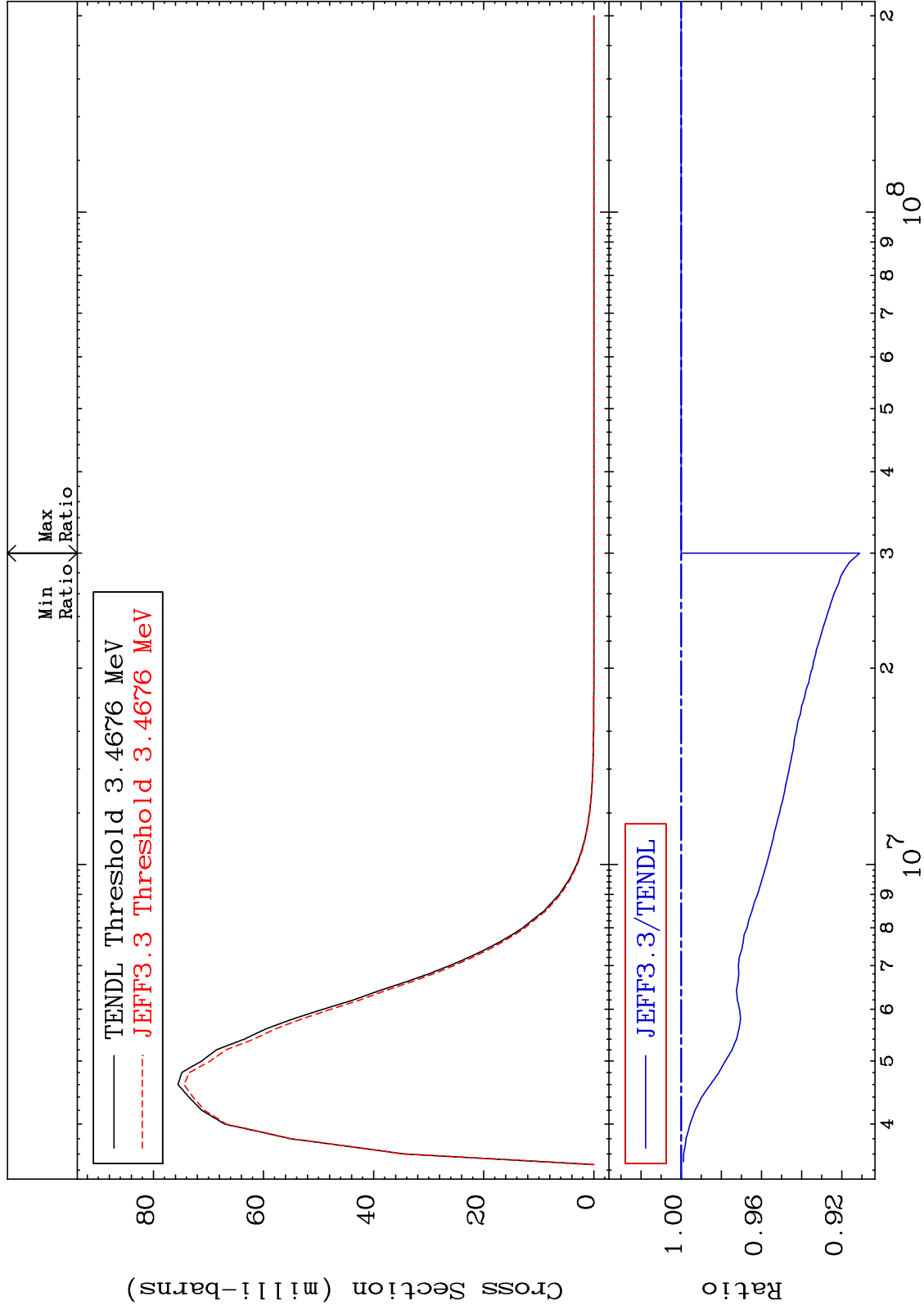
MAT 1831 MT= 51 (n,n') Level Cross Section 18-Ar-38 -2.484 To 0.000 %



MAT 1831

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

18-Ar-38
-8.891 To 0.000 %

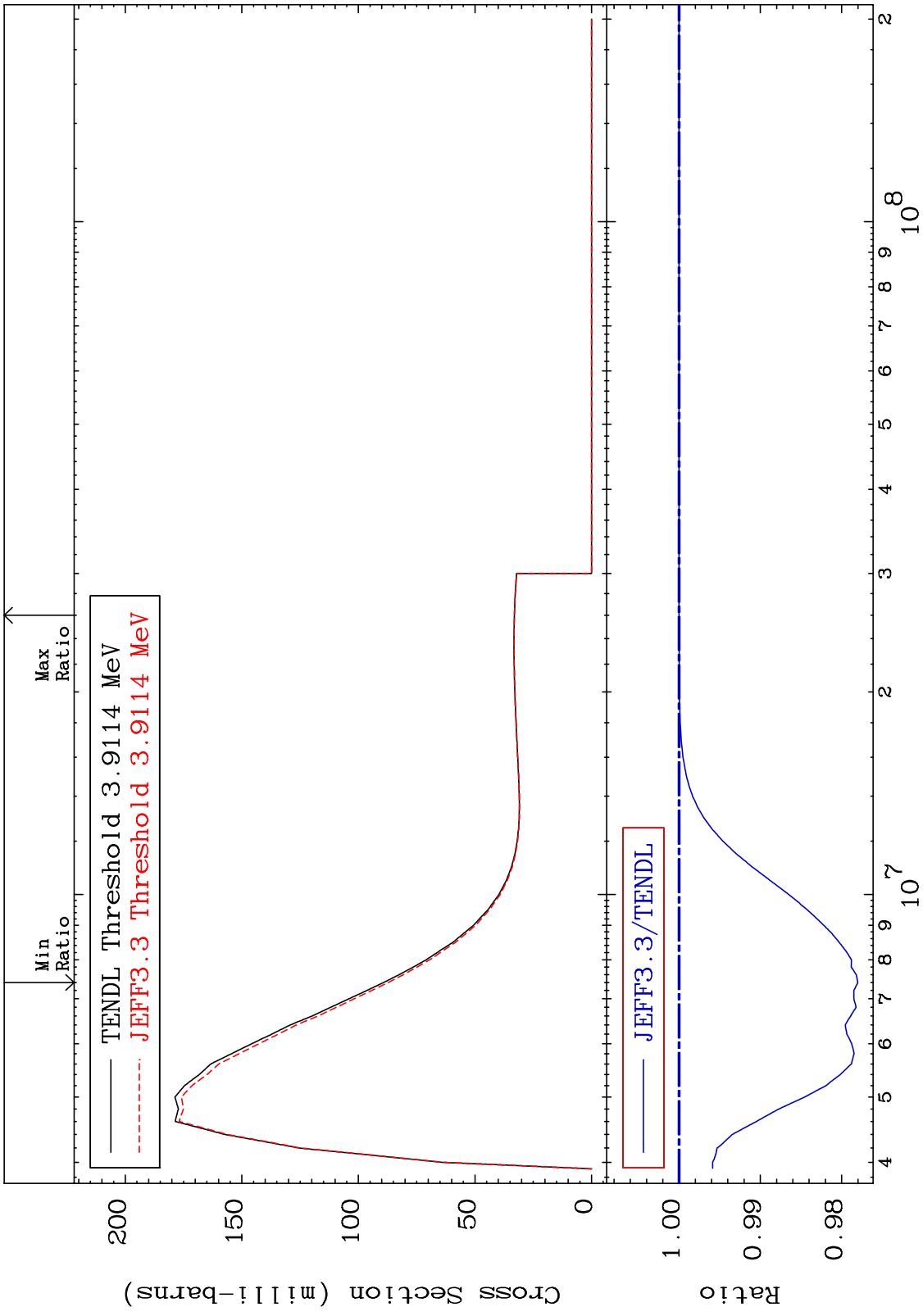


18

18-Ar-38

18-Ar-38

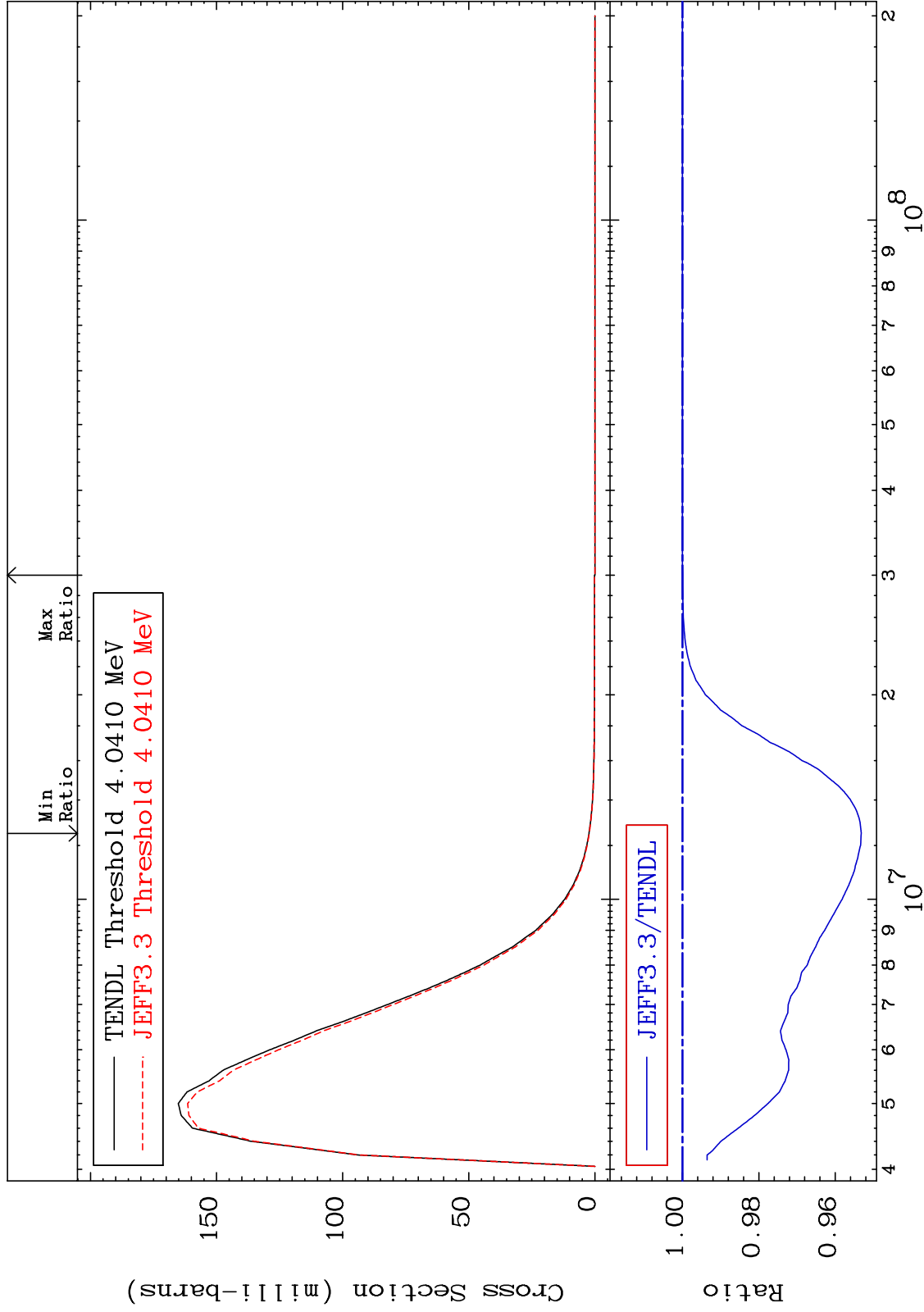
MAT 1831 MT= 53 (n,n') Level Cross Section -2.199 To 0.000 % 18-Ar-38



MAT 1831

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

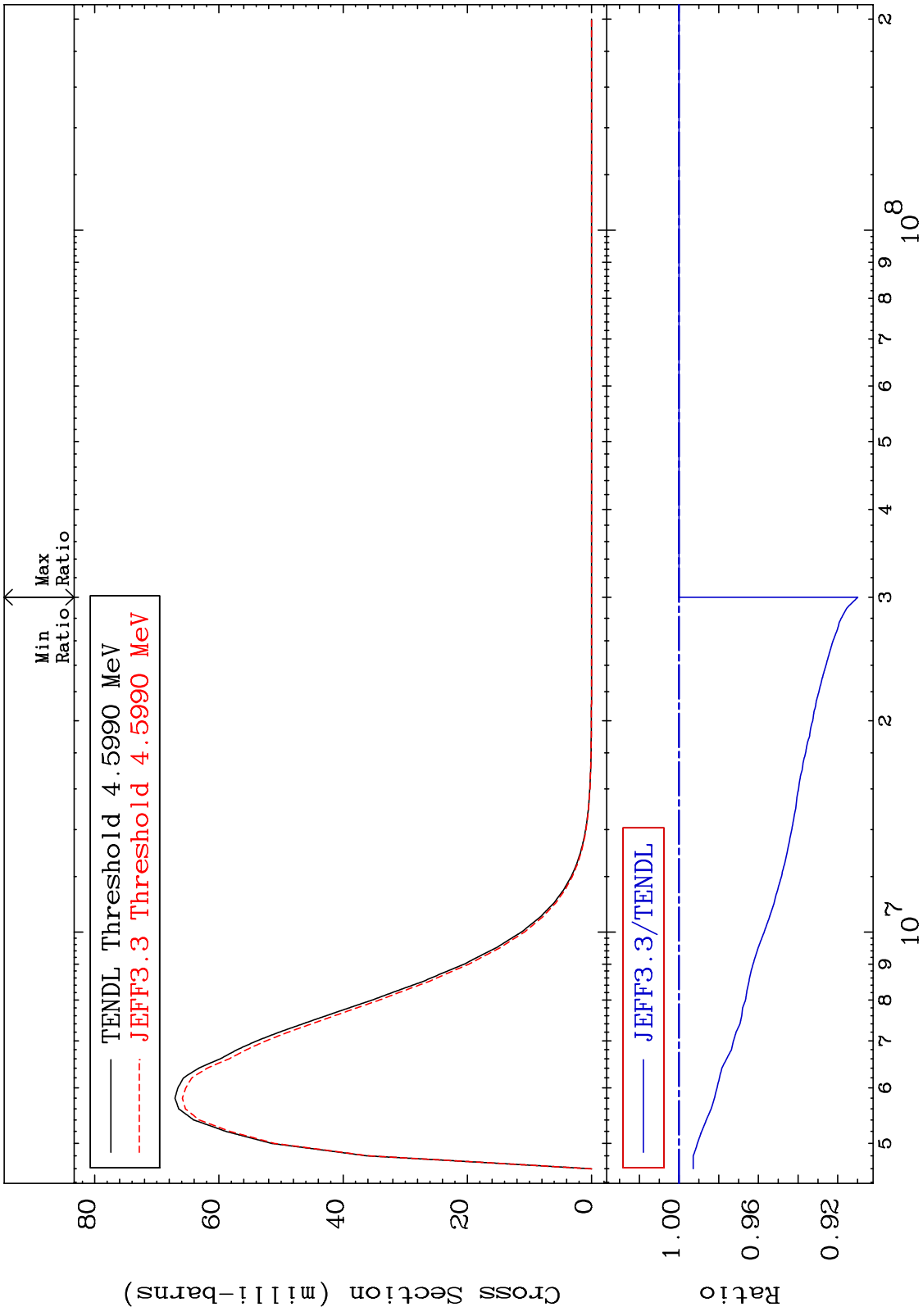
18-Ar-38
-4.681 To 0.000 %



20

18-Ar-38

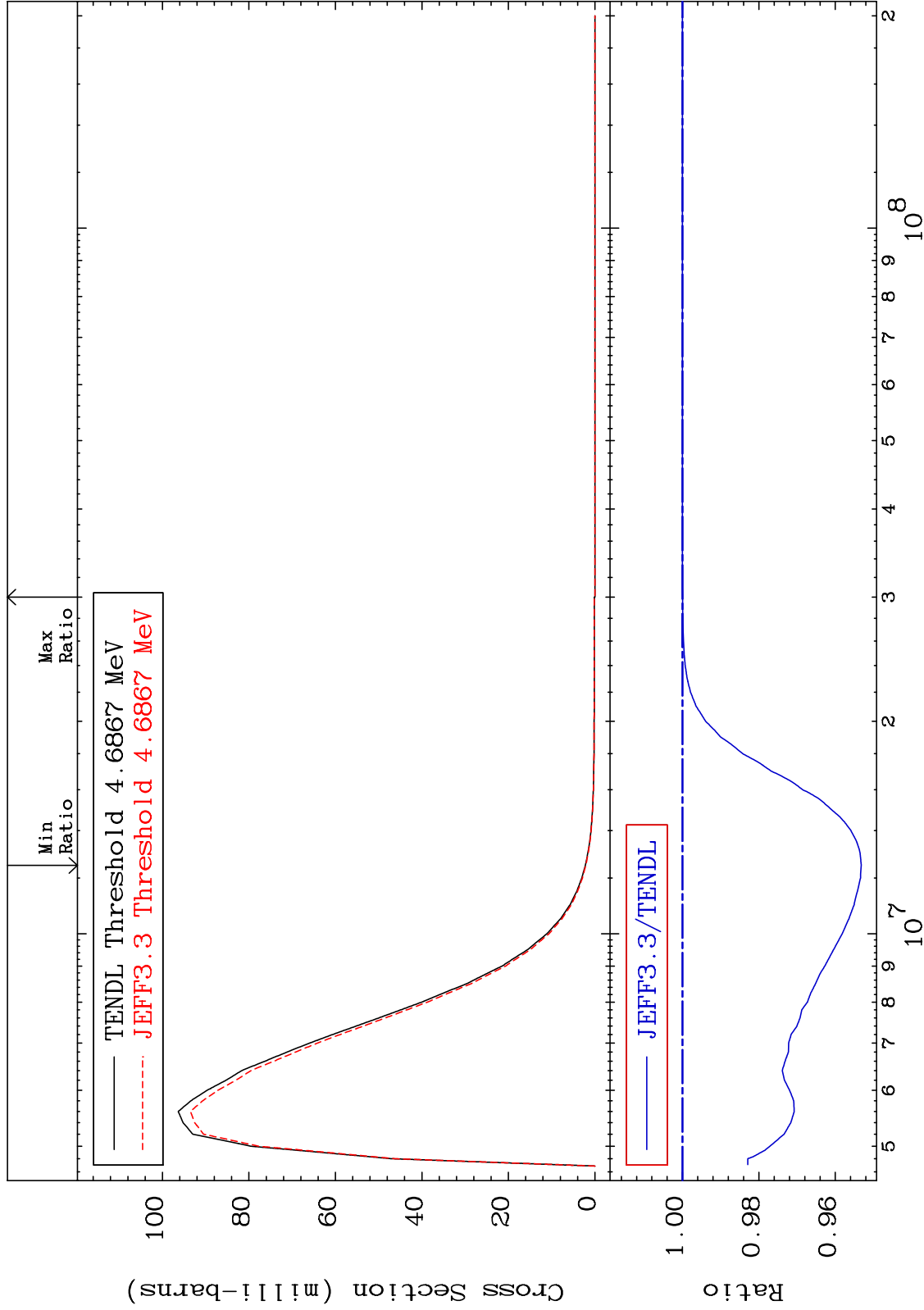
MAT 1831 MT= 55 (n,n') Level Cross Section 18-Ar-38
 -9.012 To 0.000 %



MAT 1831

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

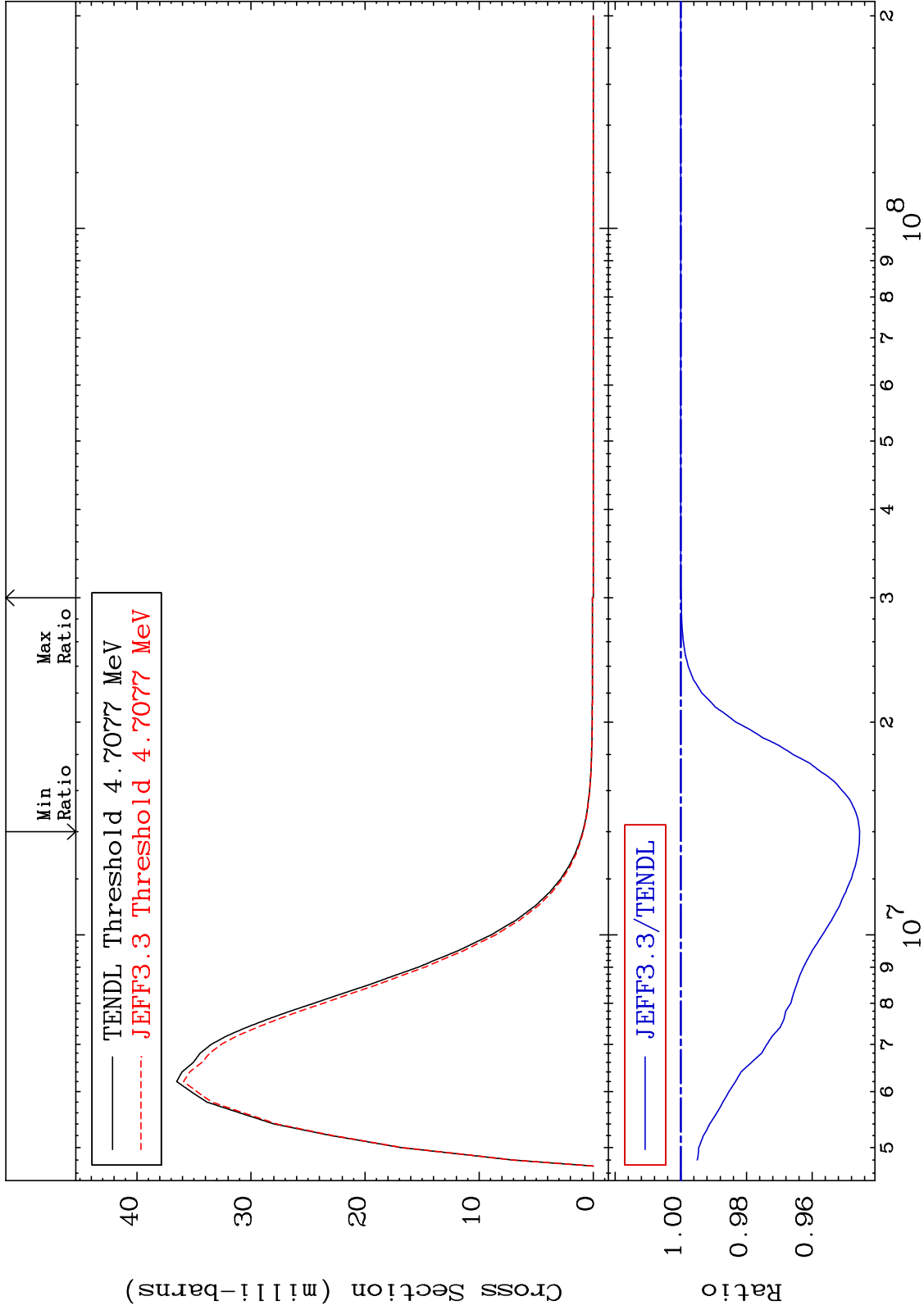
18-Ar-38
-4.680 To 0.000 %



MAT 1831

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

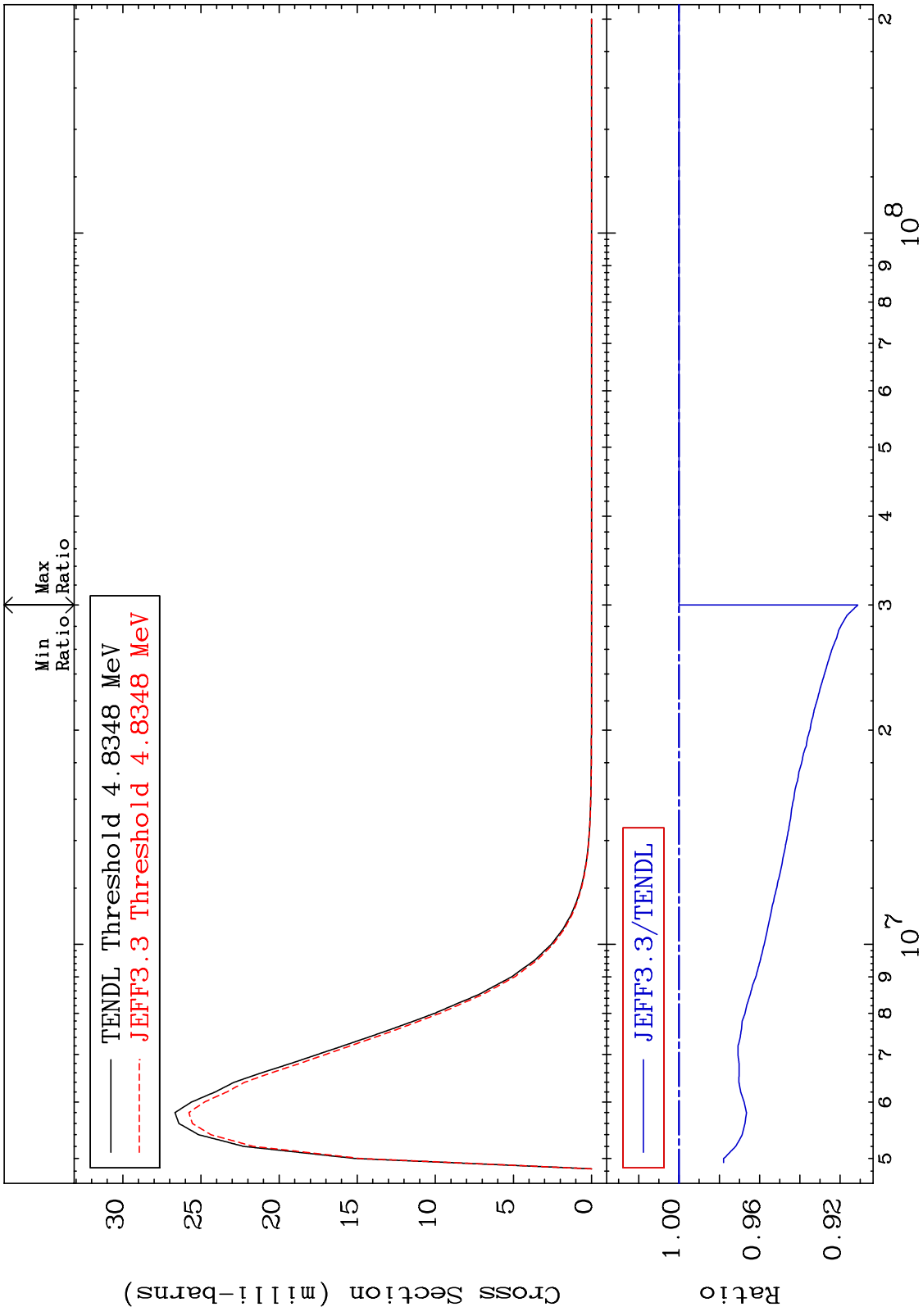
18-Ar-38
-5.445 To 0.000 %



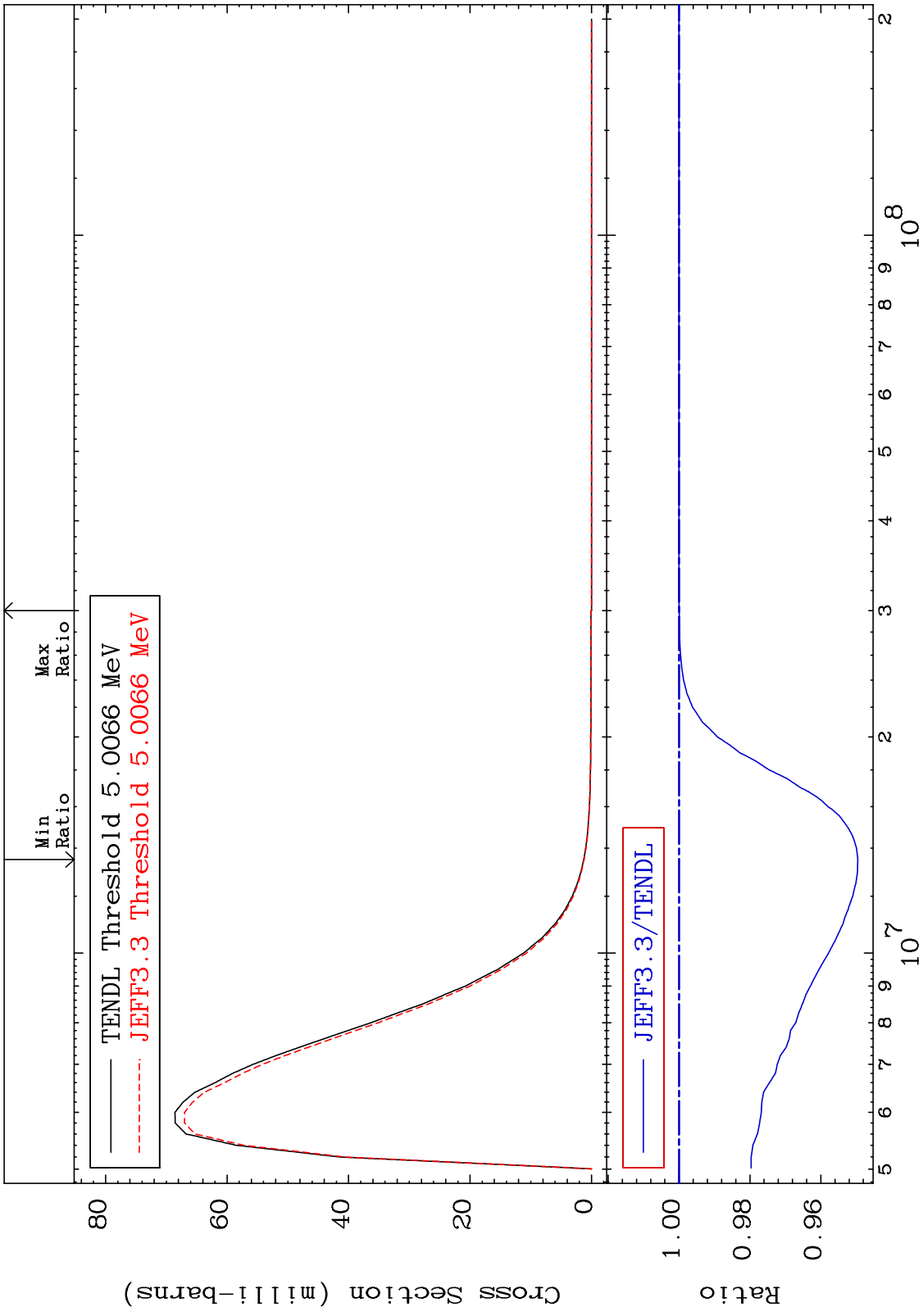
23

18-Ar-38

MAT 1831 MT= 58 (n, n') Level Cross Section 18-Ar-38
 -8.878 To 0.000 %

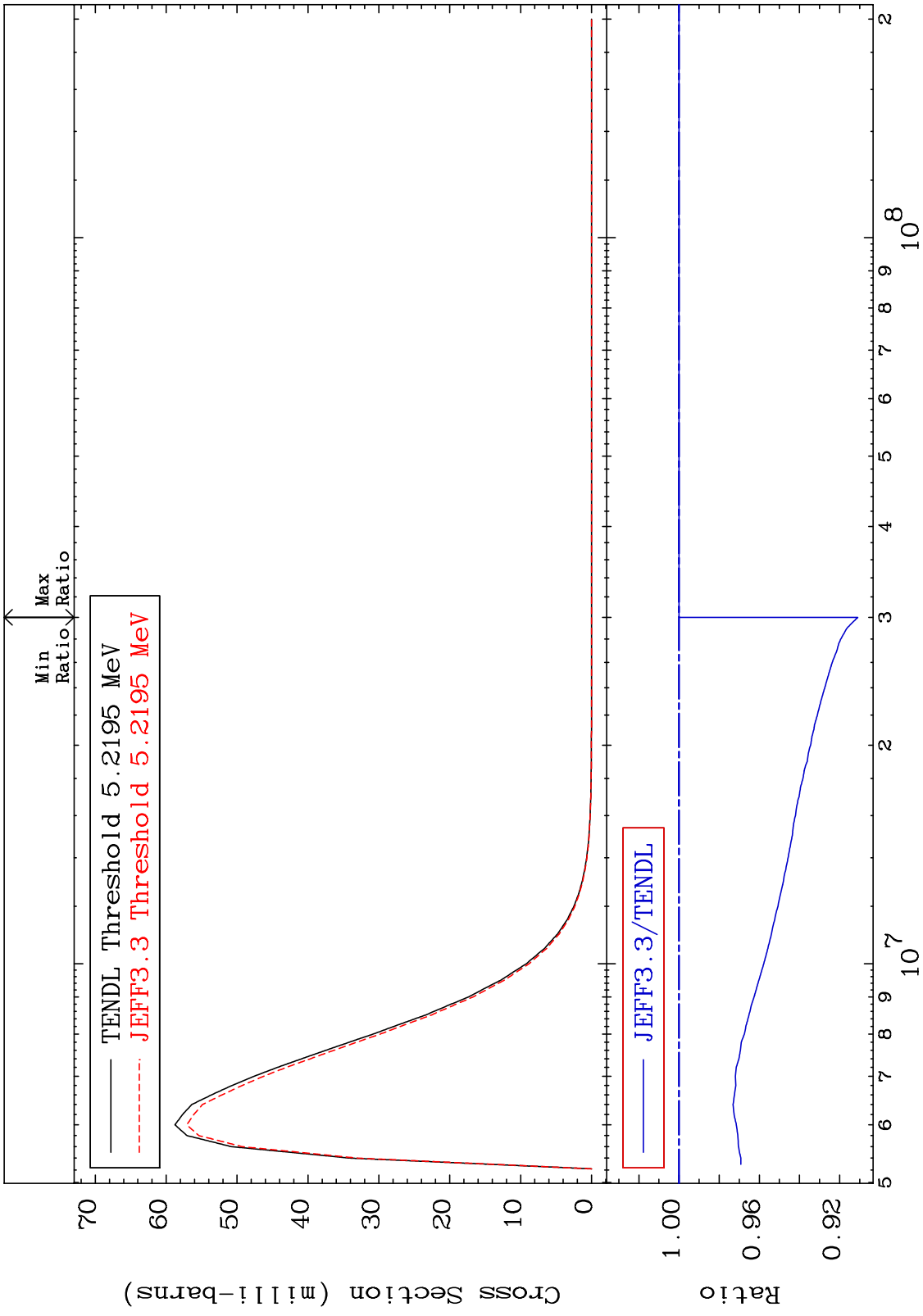


MAT 1831 MT= 59 (n,n') Level Cross Section 18-Ar-38
 -5.045 To 0.000 %



Incident Energy (eV) 18-Ar-38

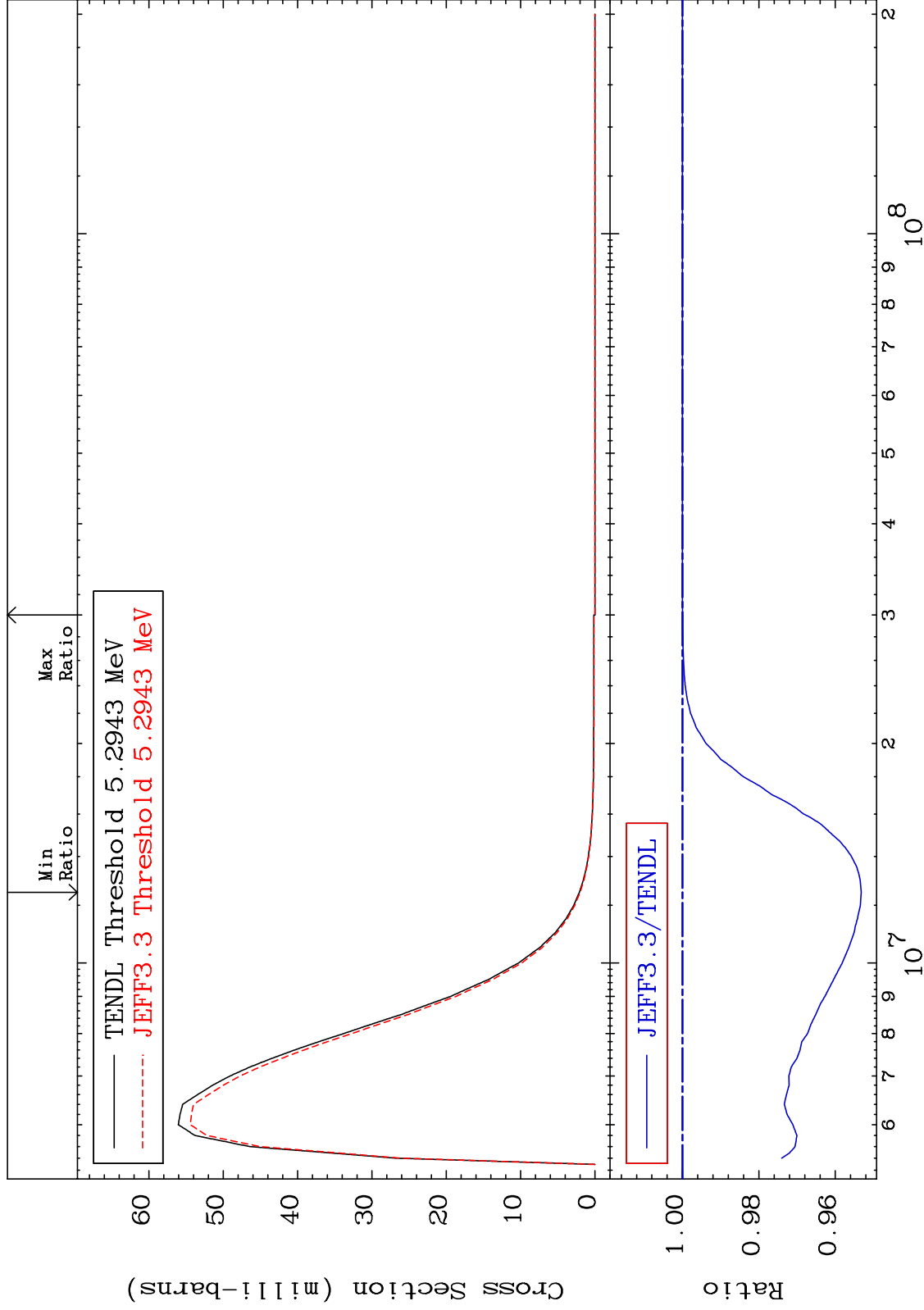
MAT 1831 MT= 60 (n,n') Level Cross Section 18-Ar-38
 -8.906 To 0.000 %



MAT 1831

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

18-Ar-38
-4.679 To 0.000 %



27

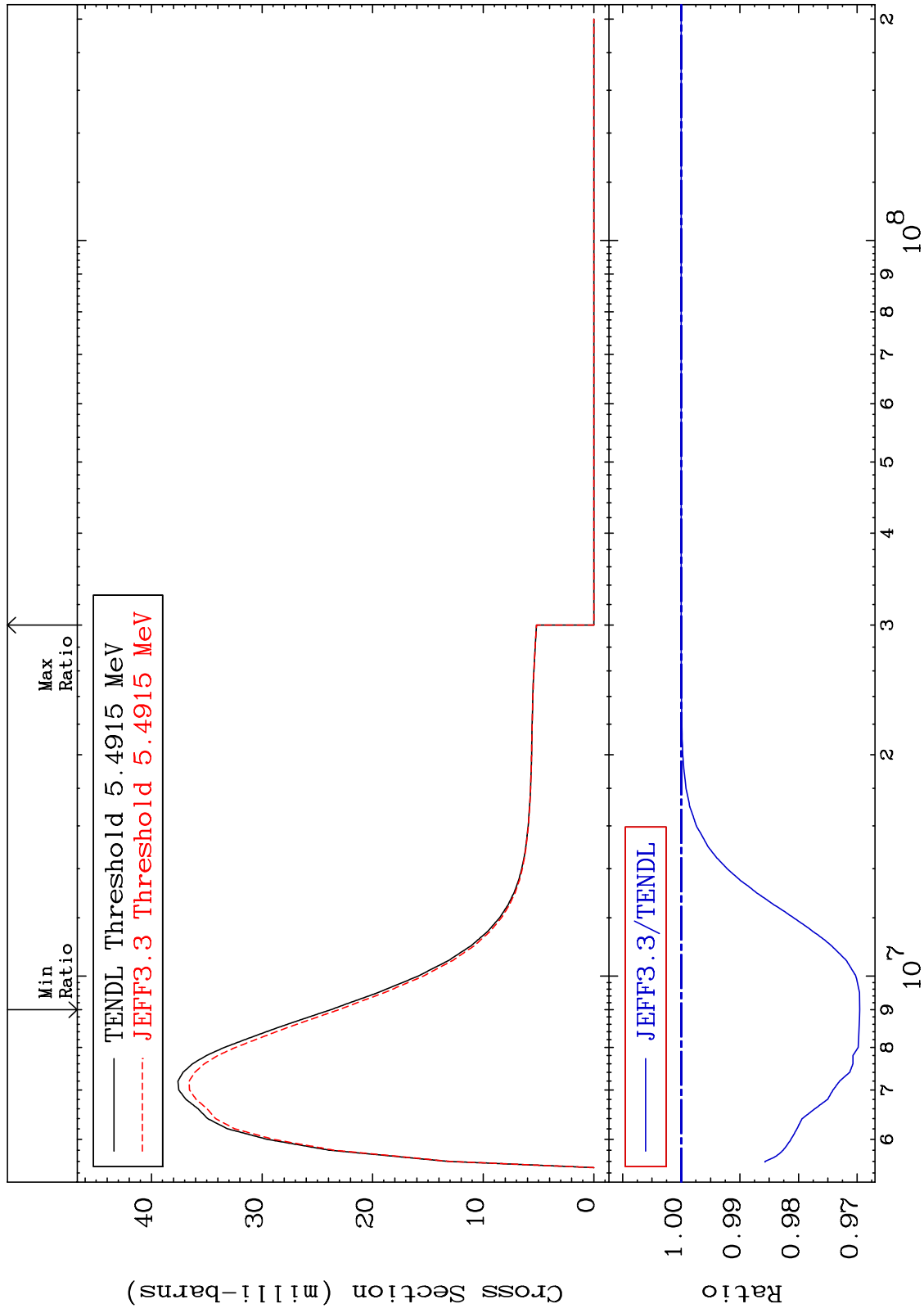
Incident Energy (eV)

18-Ar-38

MAT 1831

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

18-Ar-38
-3.045 To 0.000 %



28

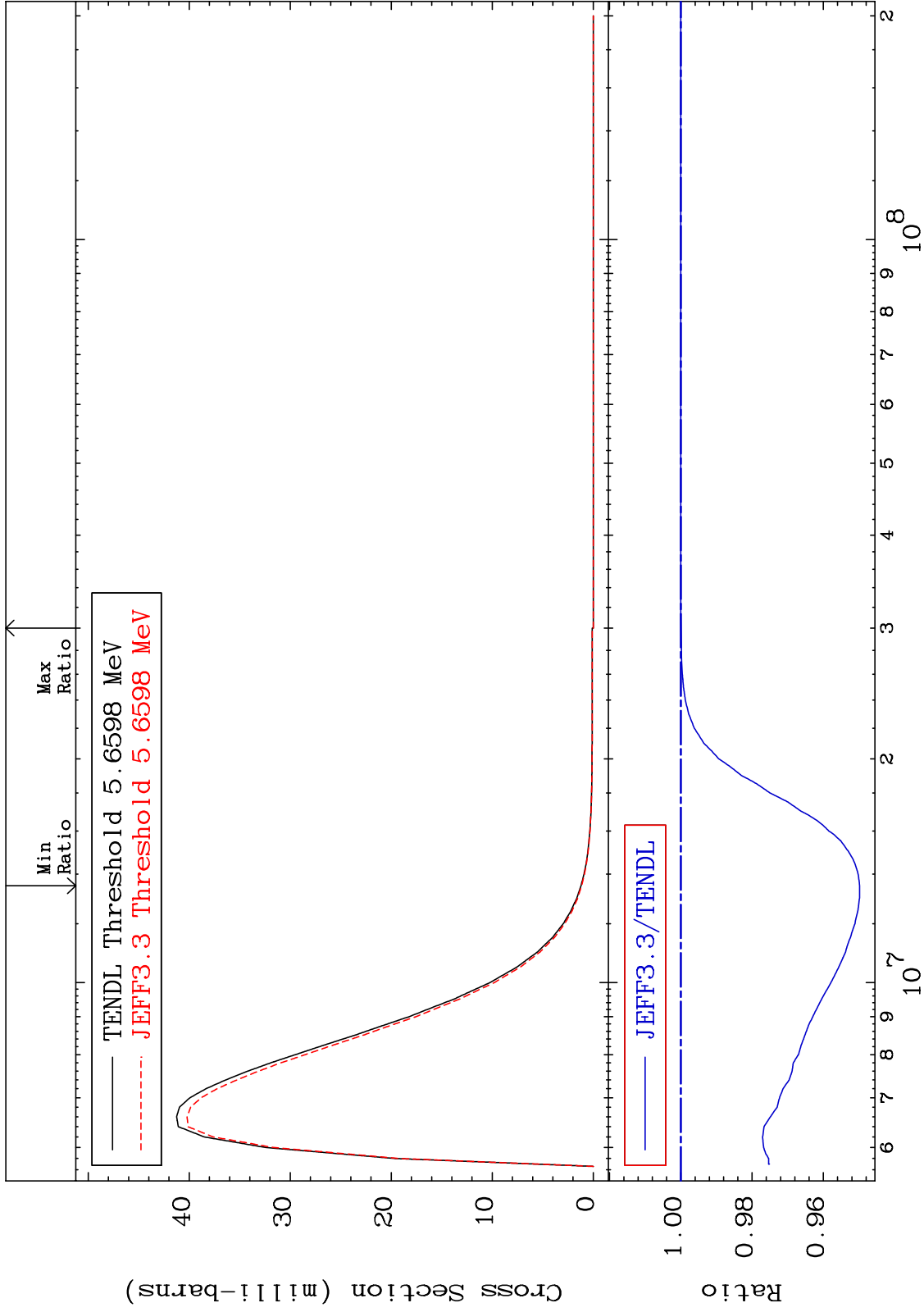
Incident Energy (eV)

18-Ar-38

MAT 1831

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

18-Ar-38
-5.018 To 0.000 %



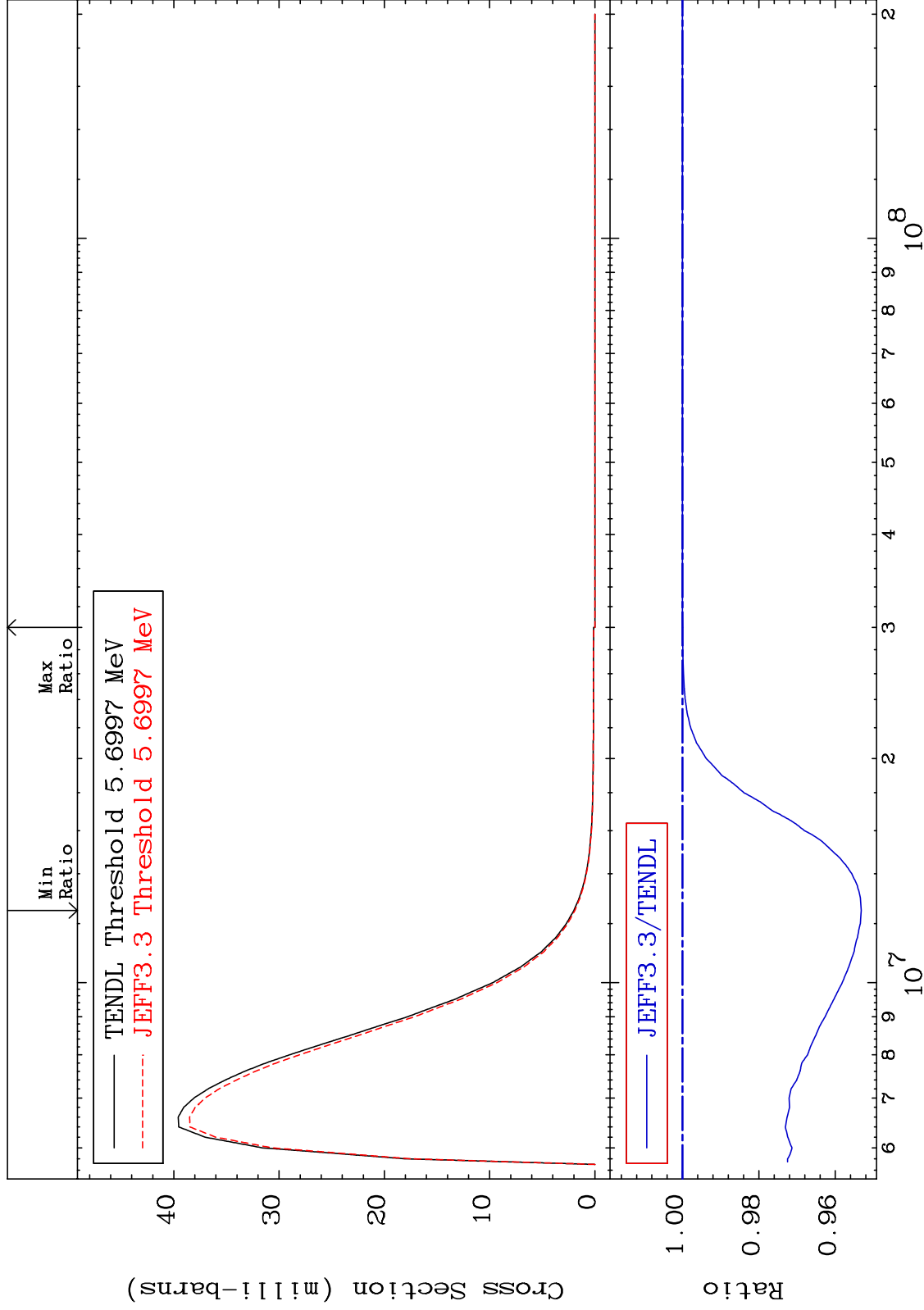
29

18-Ar-38

MAT 1831

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

18-Ar-38
-4.680 To 0.000 %



30

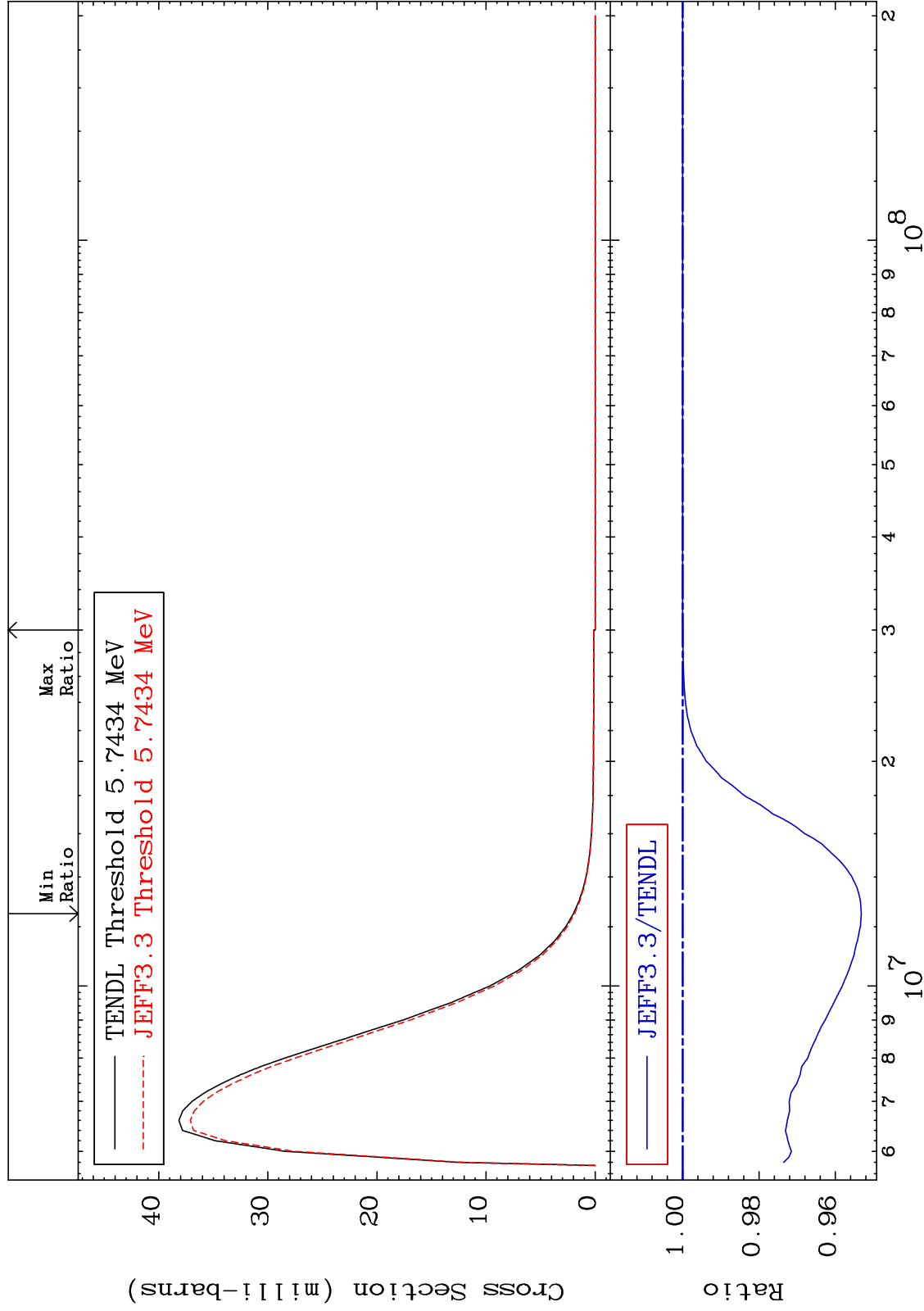
Incident Energy (eV)

18-Ar-38

MAT 1831

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

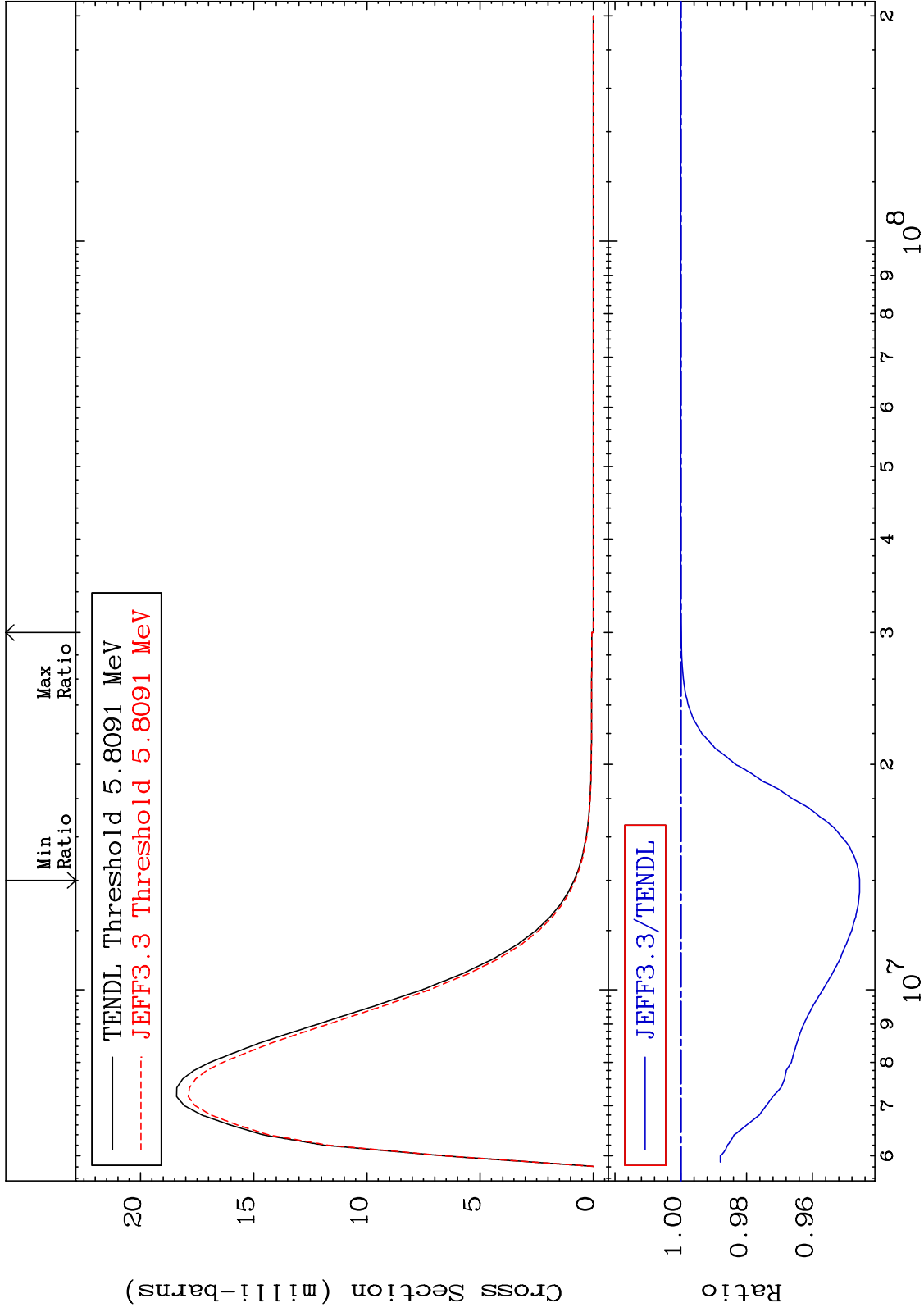
18-Ar-38
-4.679 To 0.000 %



MAT 1831

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

18-Ar-38
-5.434 To 0.000 %



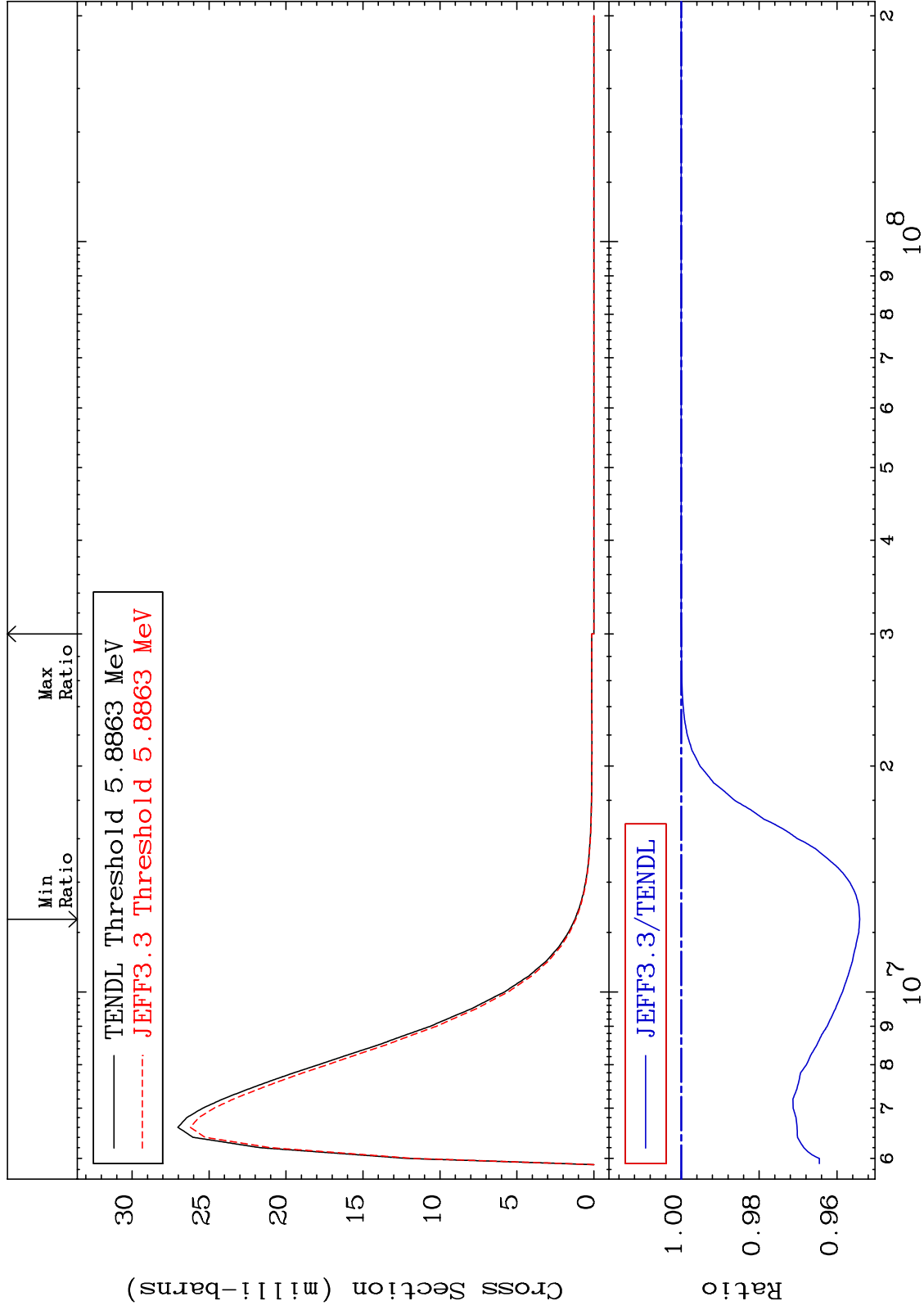
32

18-Ar-38

MAT 1831

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

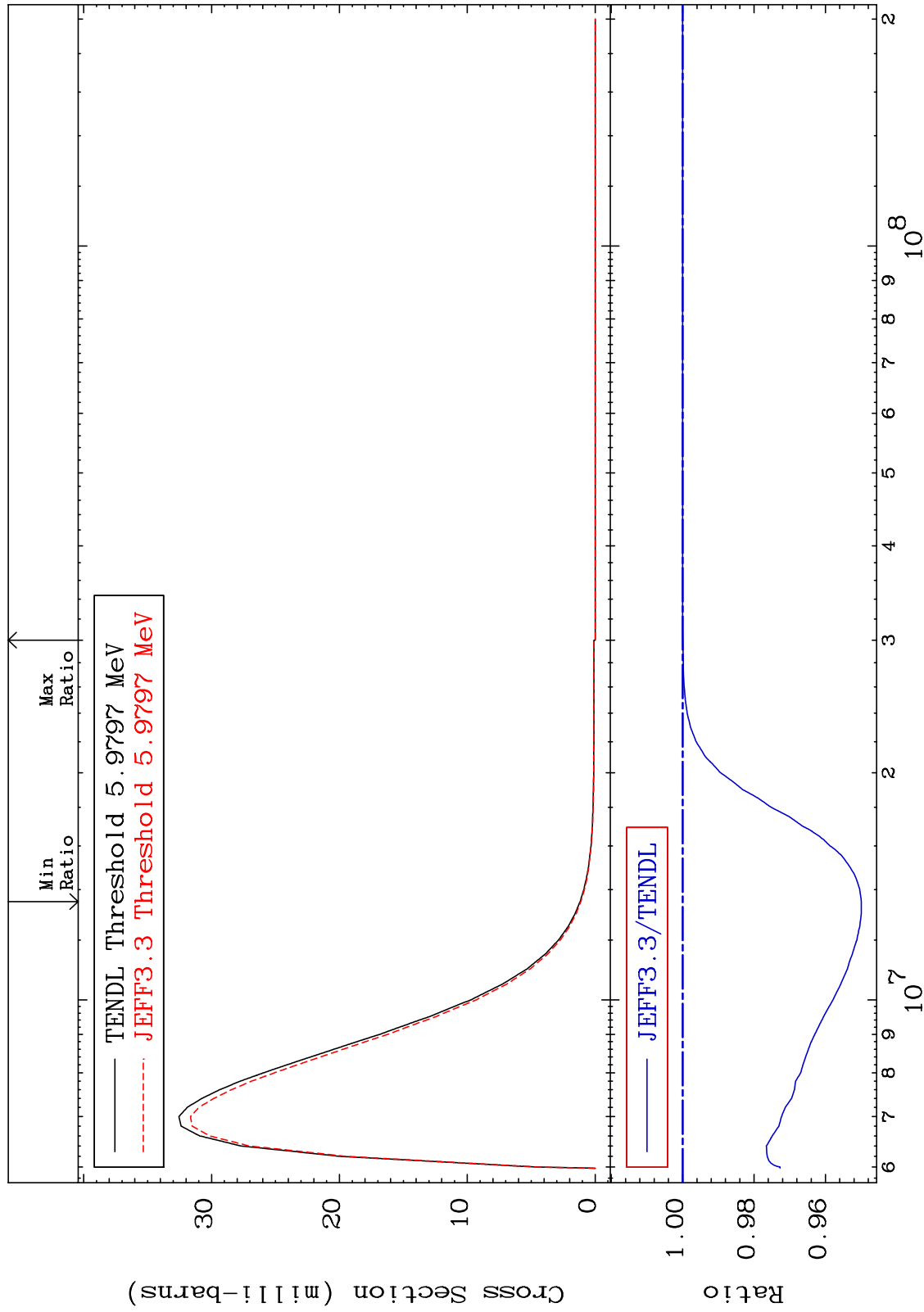
18-Ar-38
-4.582 To 0.000 %



MAT 1831

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

18-Ar-38
-5.005 To 0.000 %

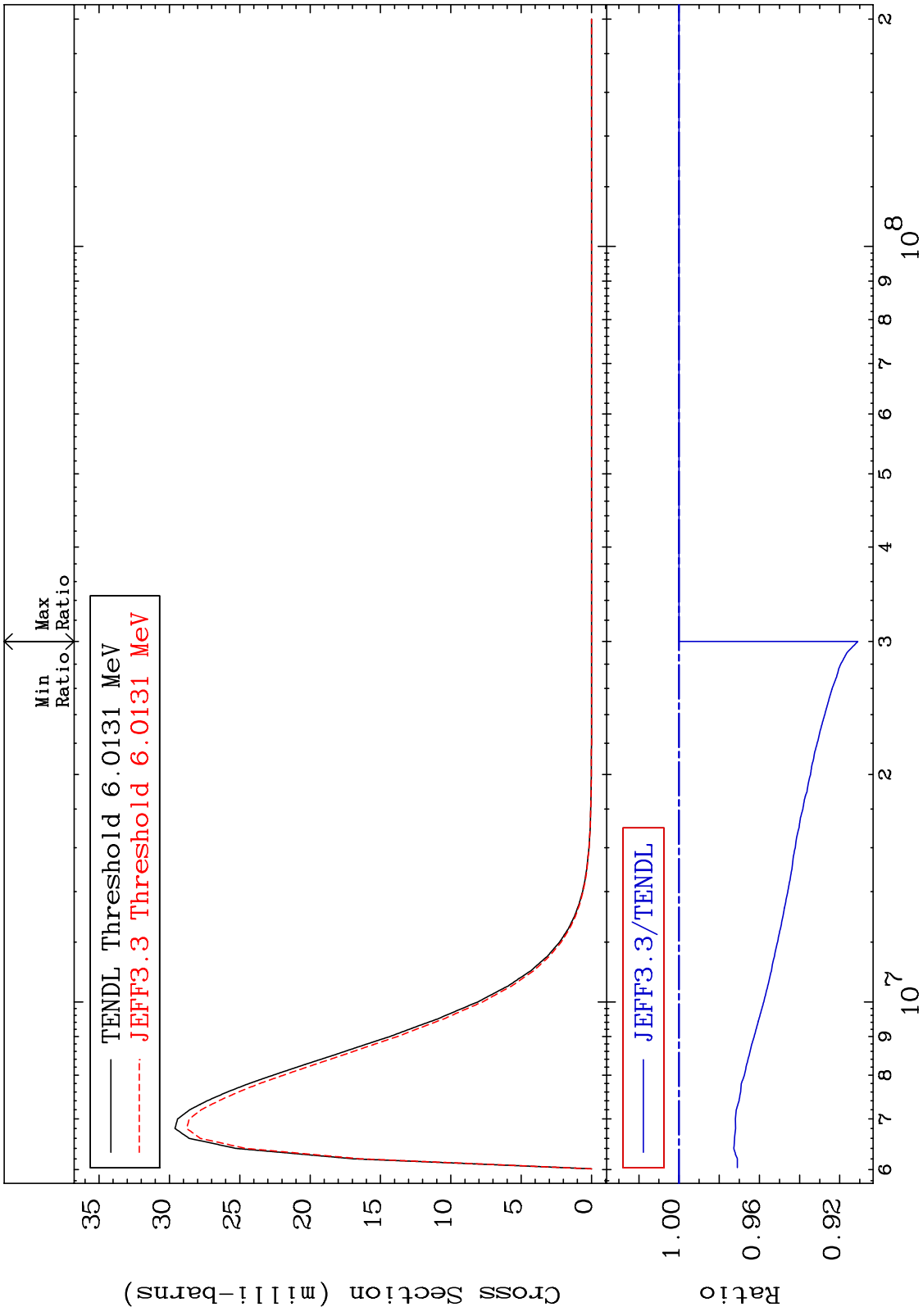


34

Incident Energy (eV)

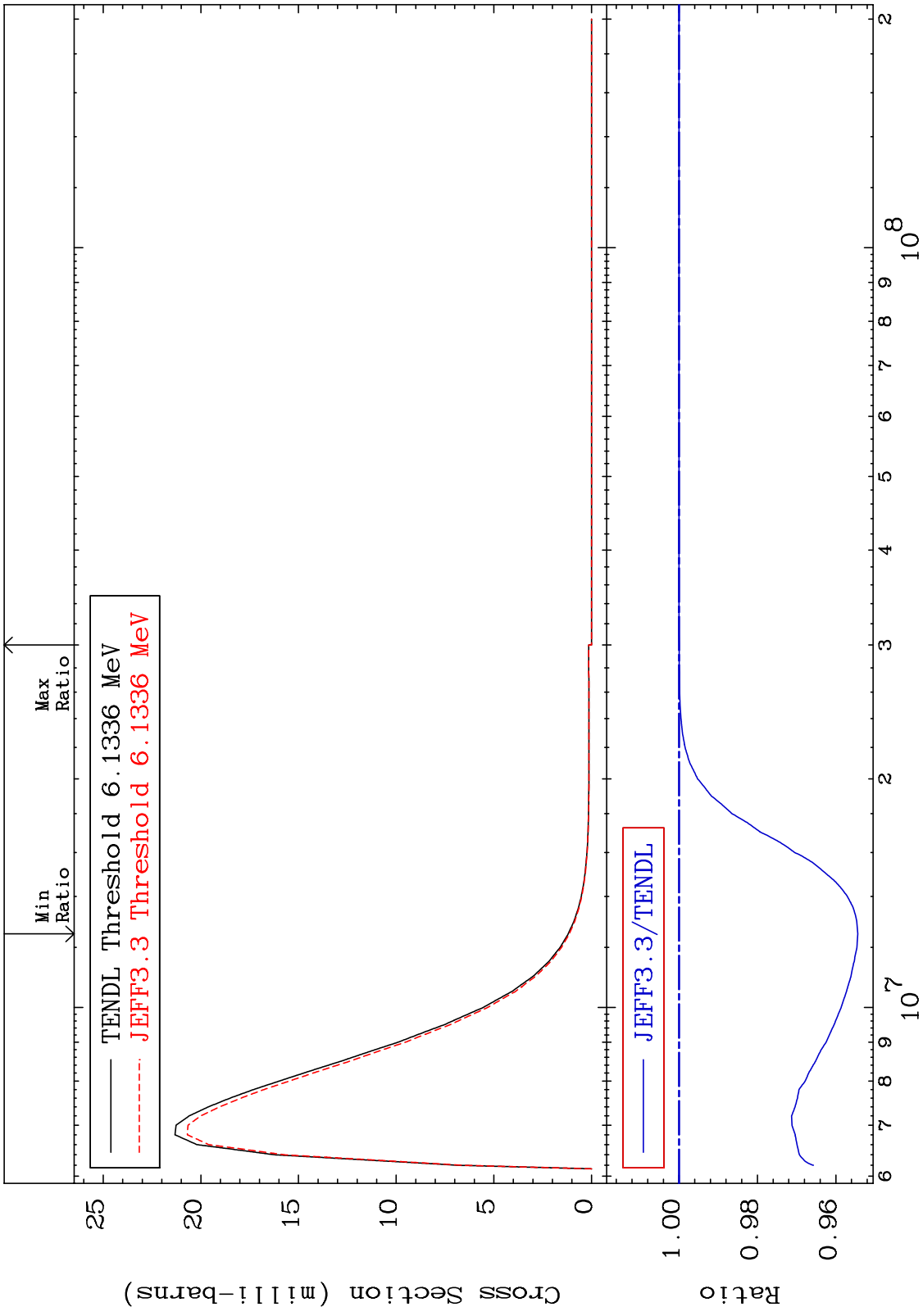
18-Ar-38

MAT 1831 MT= 69 (n,n') Level Cross Section 18-Ar-38
 -8.901 To 0.000 %



35 18-Ar-38

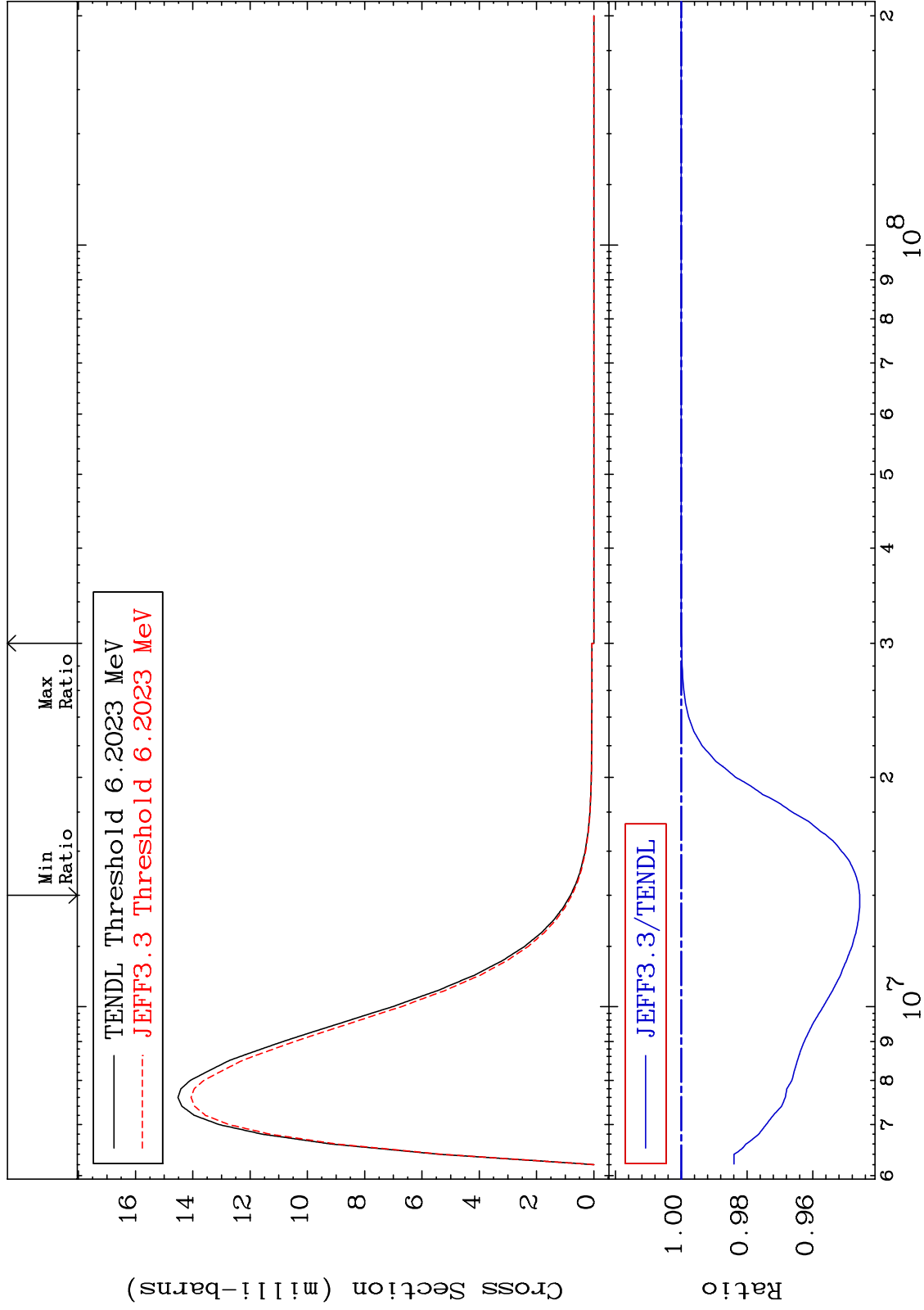
MAT 1831 MT= 70 (n,n') Level Cross Section 18-Ar-38
 -4.561 To 0.000 %



MAT 1831

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

18-Ar-38
-5.429 To 0.000 %

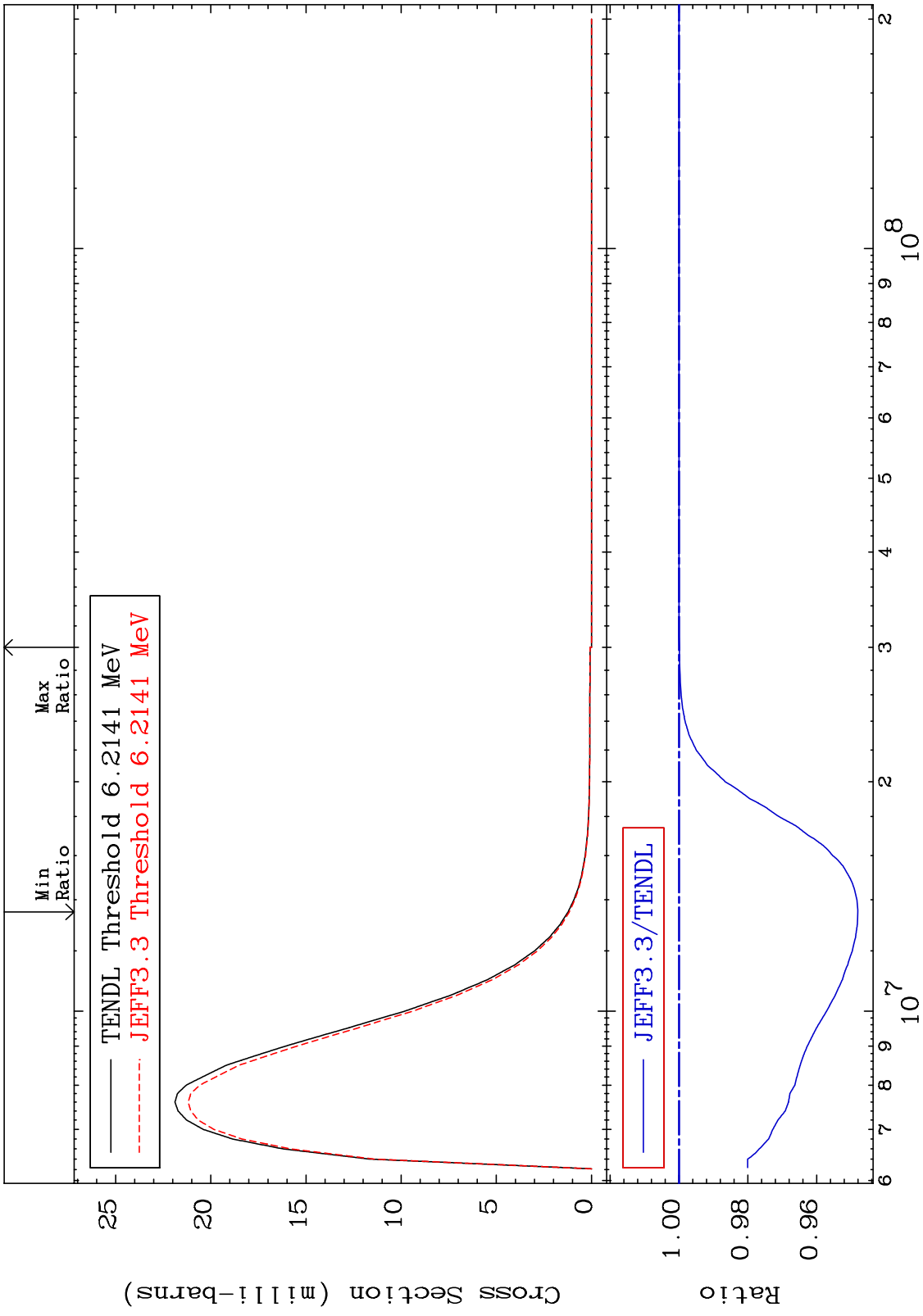


37

Incident Energy (eV)

18-Ar-38

MAT 1831 MT= 72 (n,n') Level Cross Section 18-Ar-38
 -5.193 To 0.000 %

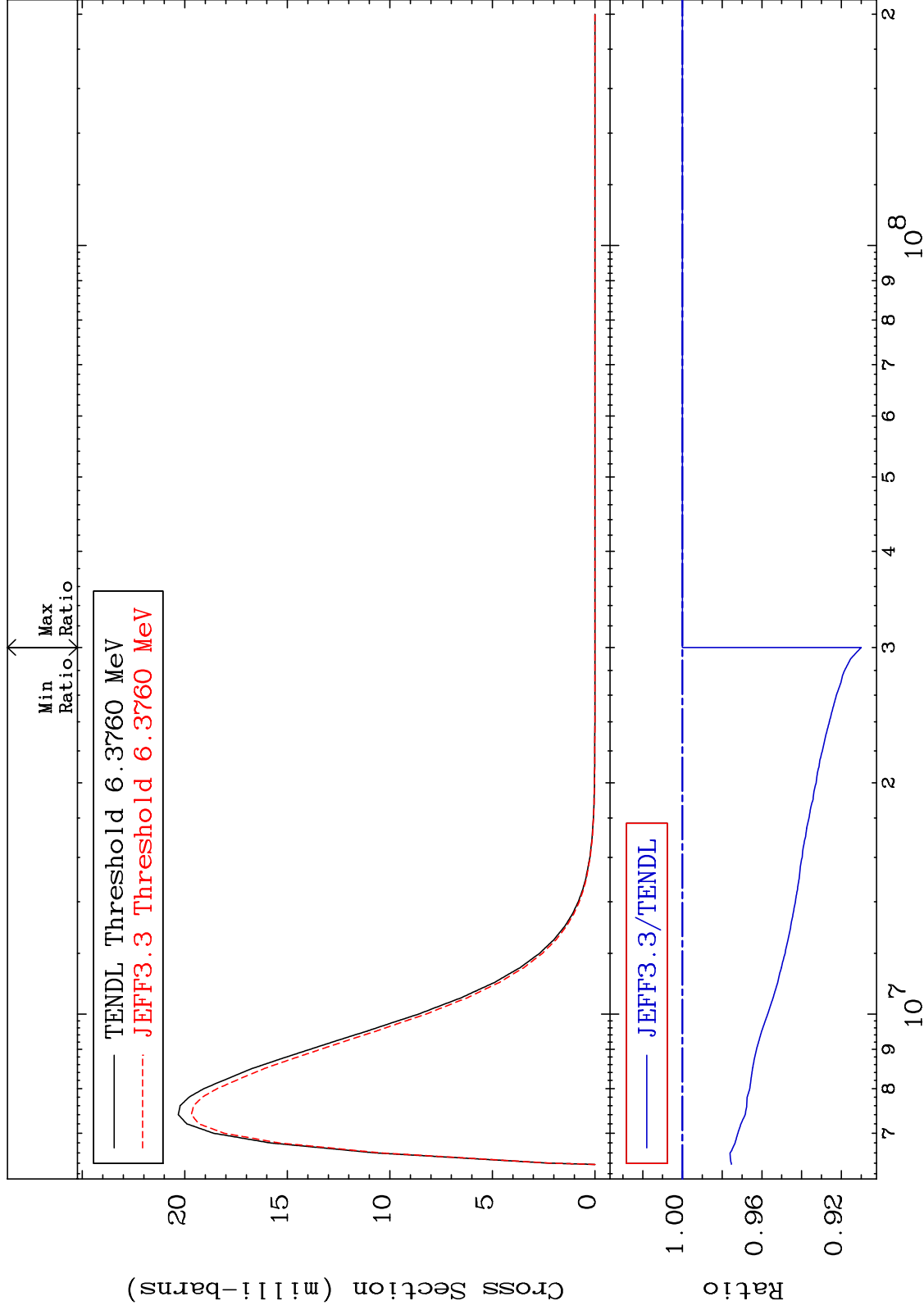


38 18-Ar-38

MAT 1831

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

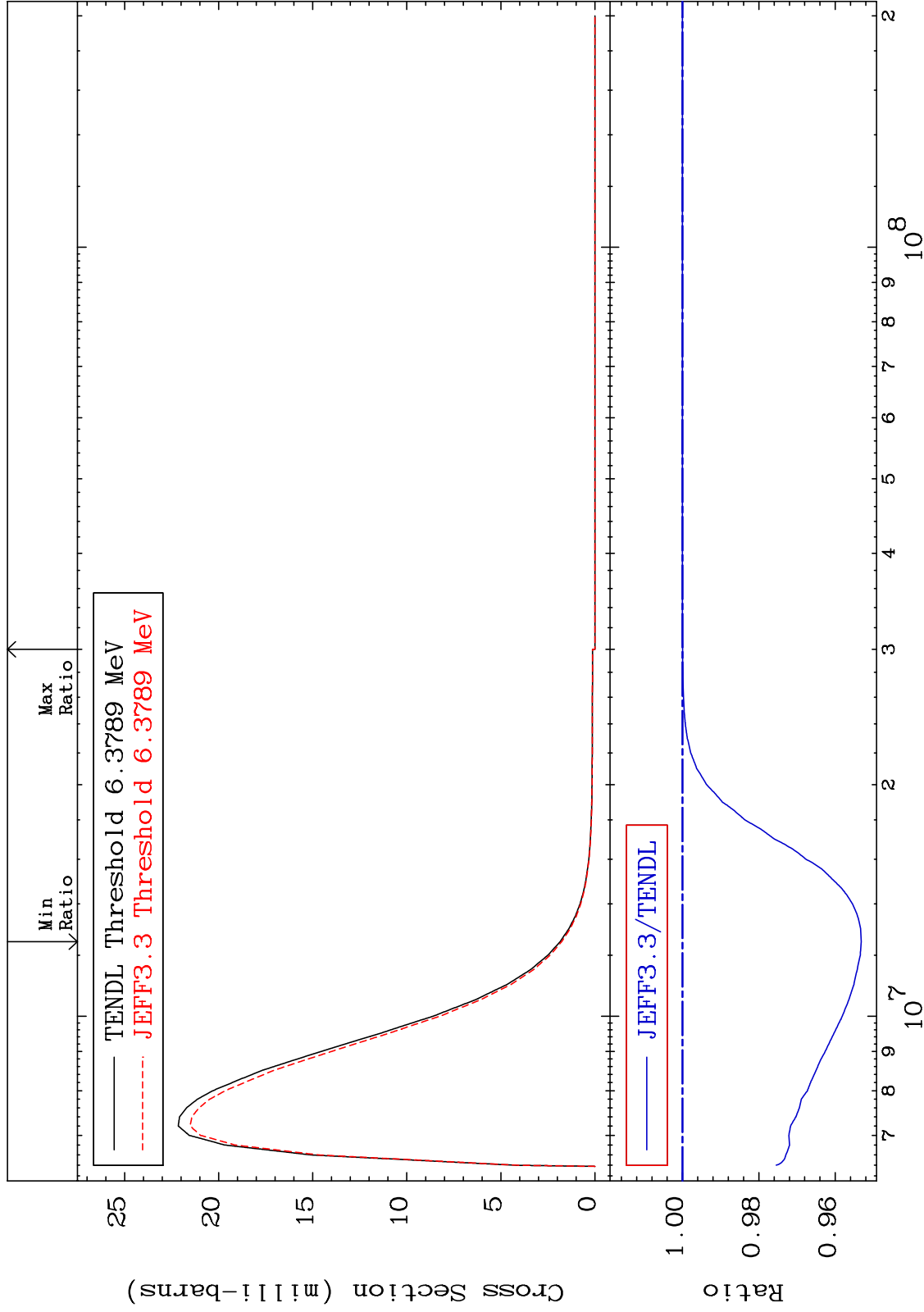
18-Ar-38
-9.005 To 0.000 %



MAT 1831

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

18-Ar-38
-4.681 To 0.000 %



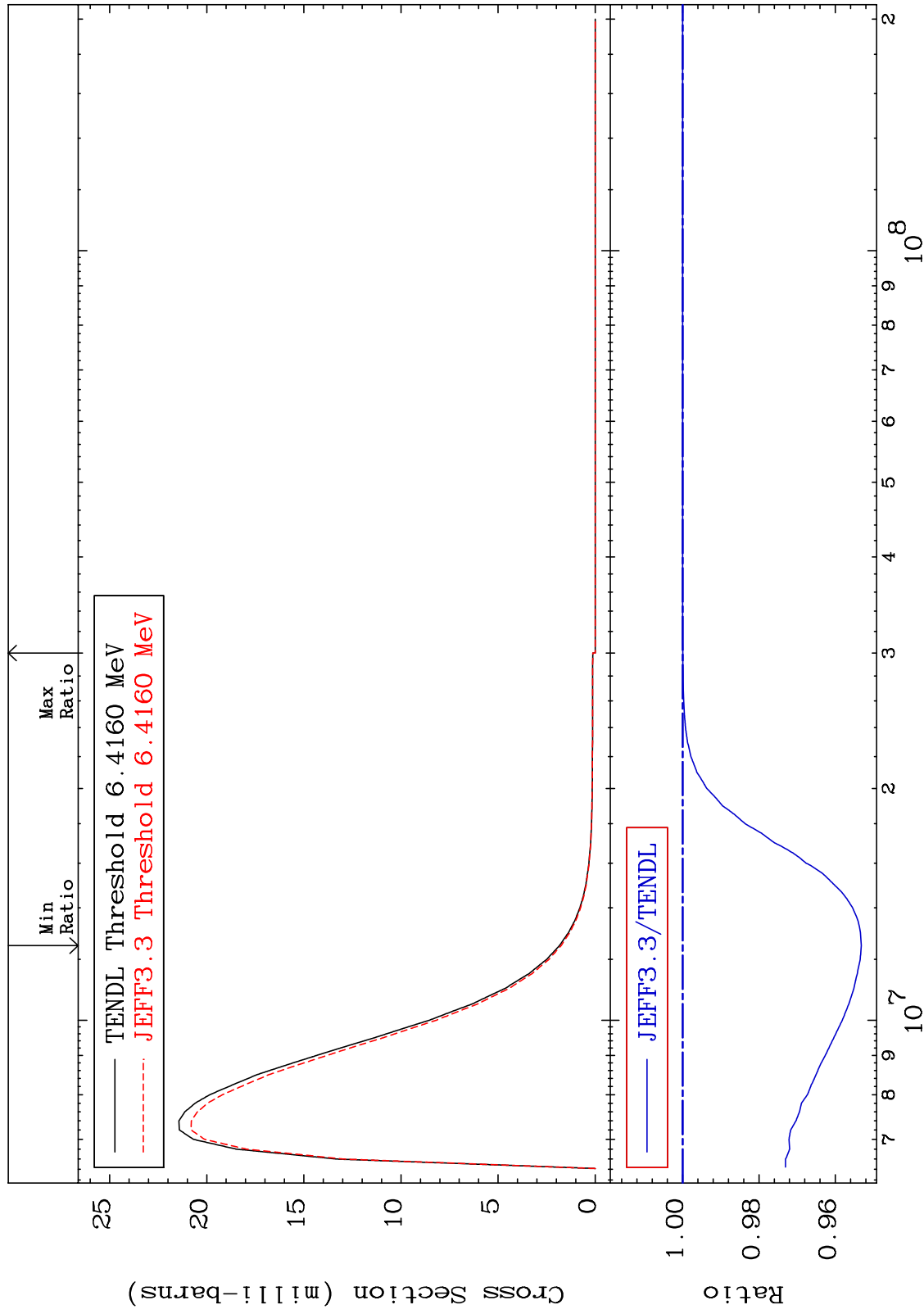
40

18-Ar-38

MAT 1831

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

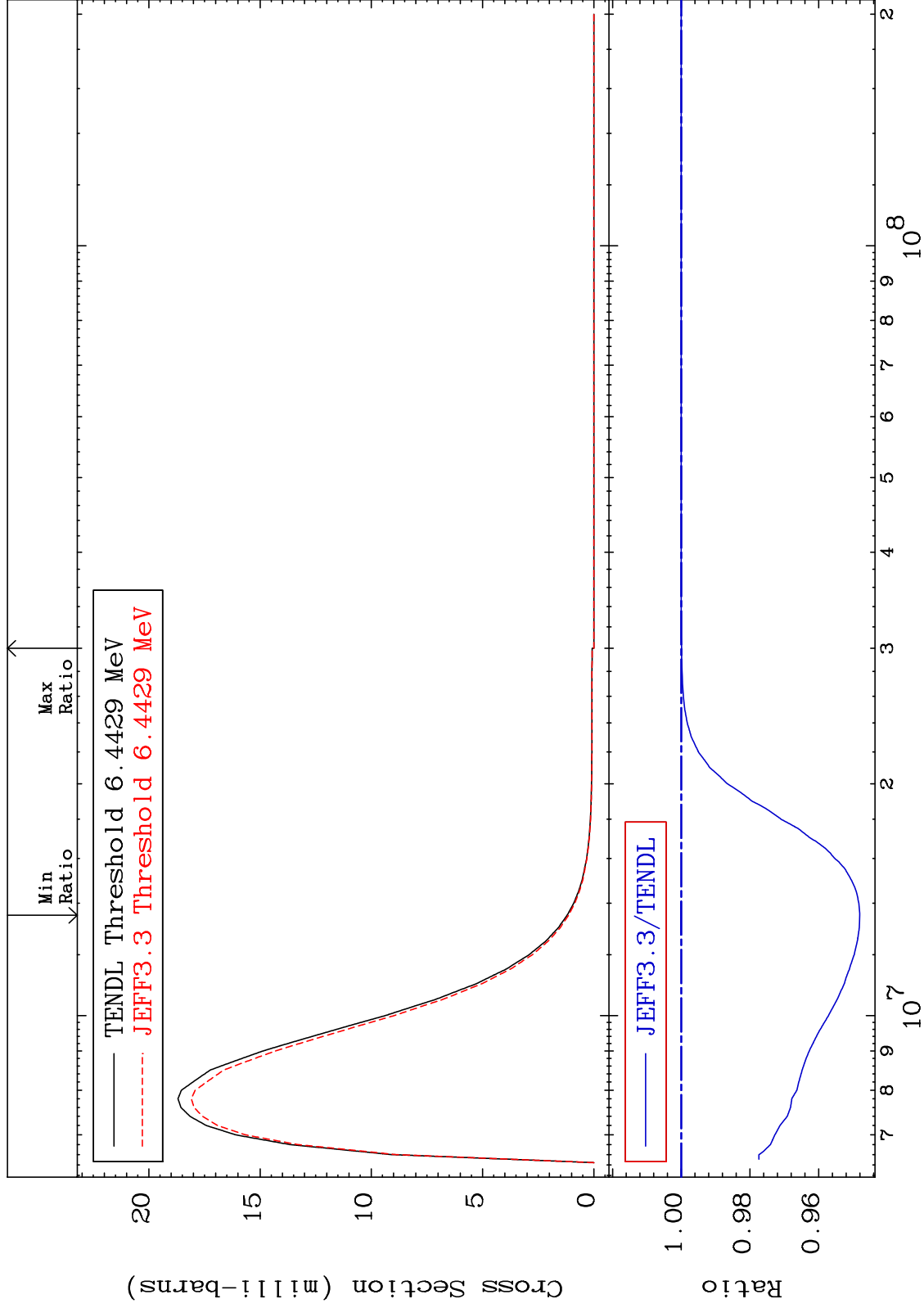
18-Ar-38
-4.682 To 0.000 %



MAT 1831

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

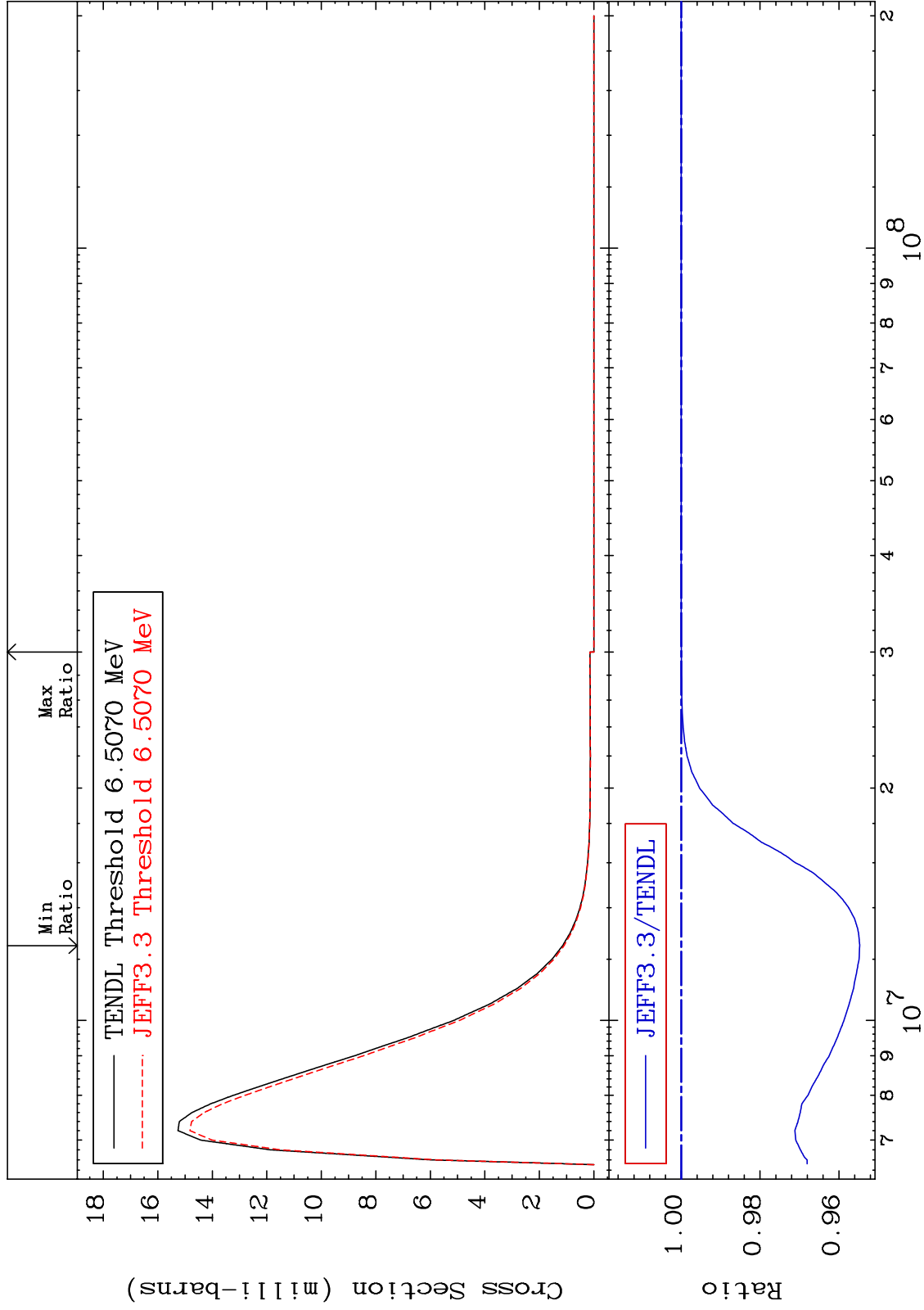
18-Ar-38
-5.197 To 0.000 %



MAT 1831

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

18-Ar-38
-4.530 To 0.000 %

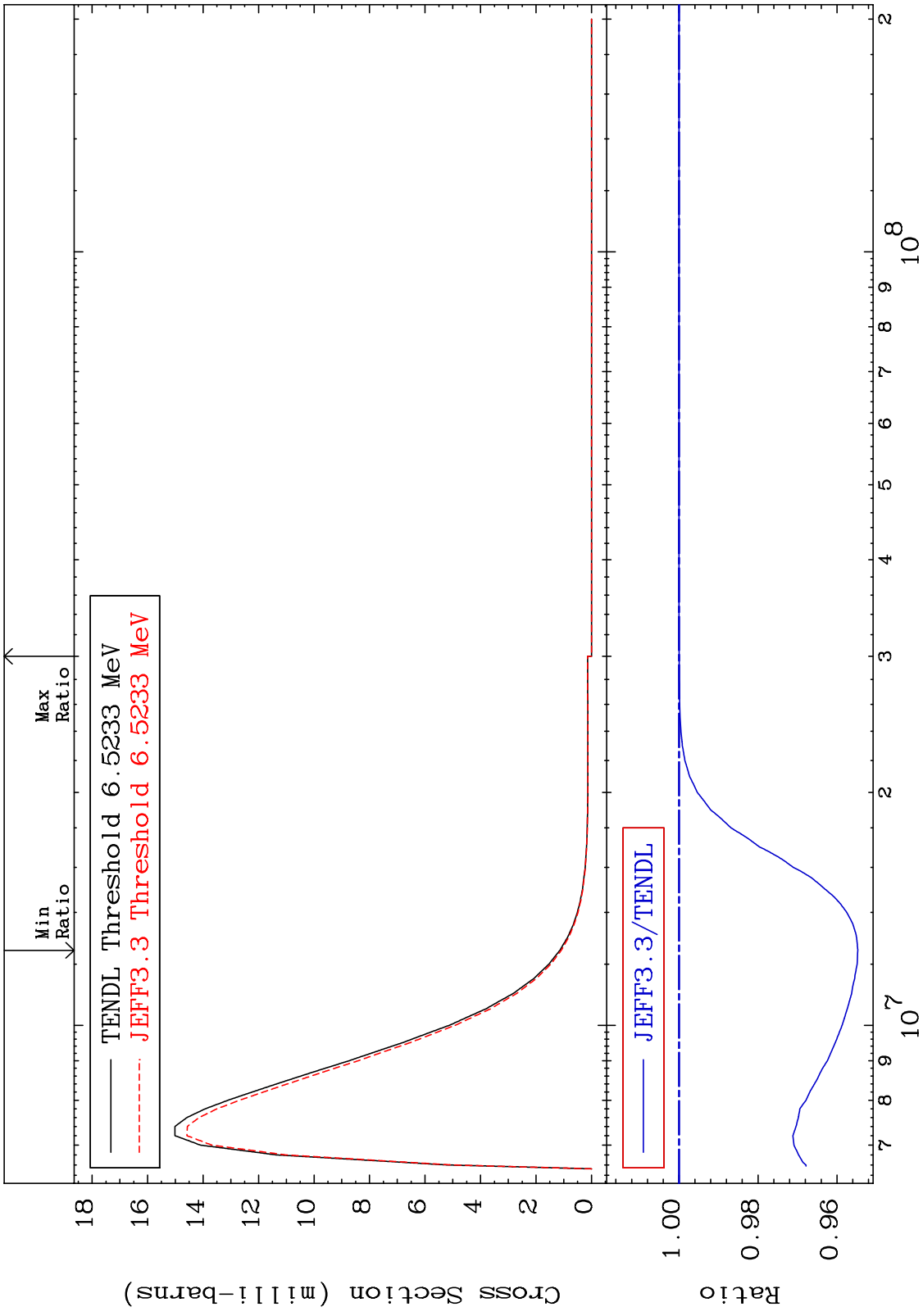


43

Incident Energy (eV)

18-Ar-38

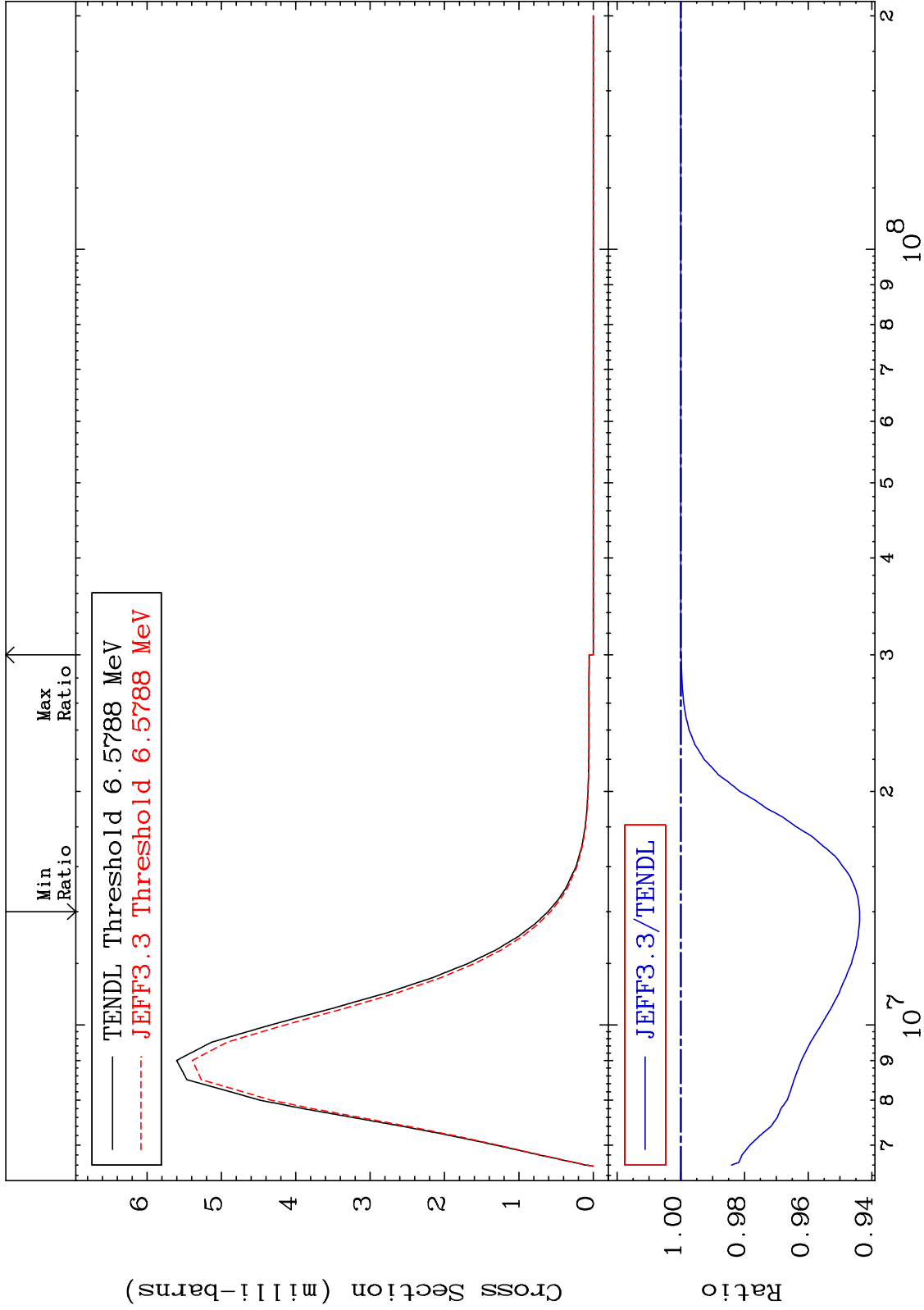
MAT 1831 MT= 78 (n,n') Level Cross Section -4.528 To 0.000 % 18-Ar-38



MAT 1831

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

18-Ar-38
-5.617 To 0.000 %



45

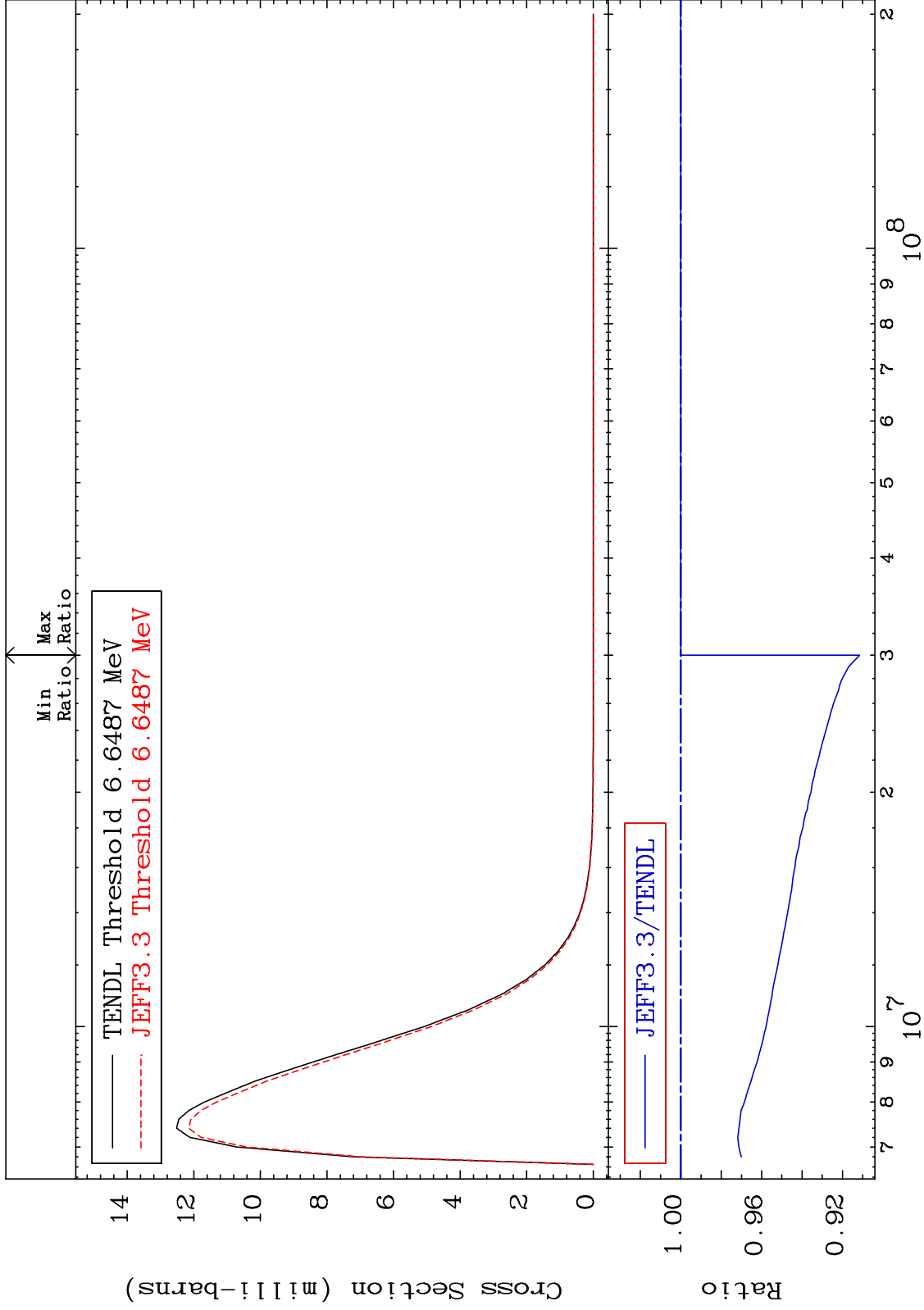
Incident Energy (eV)

18-Ar-38

MAT 1831

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

18-Ar-38
-8.851 To 0.000 %



46

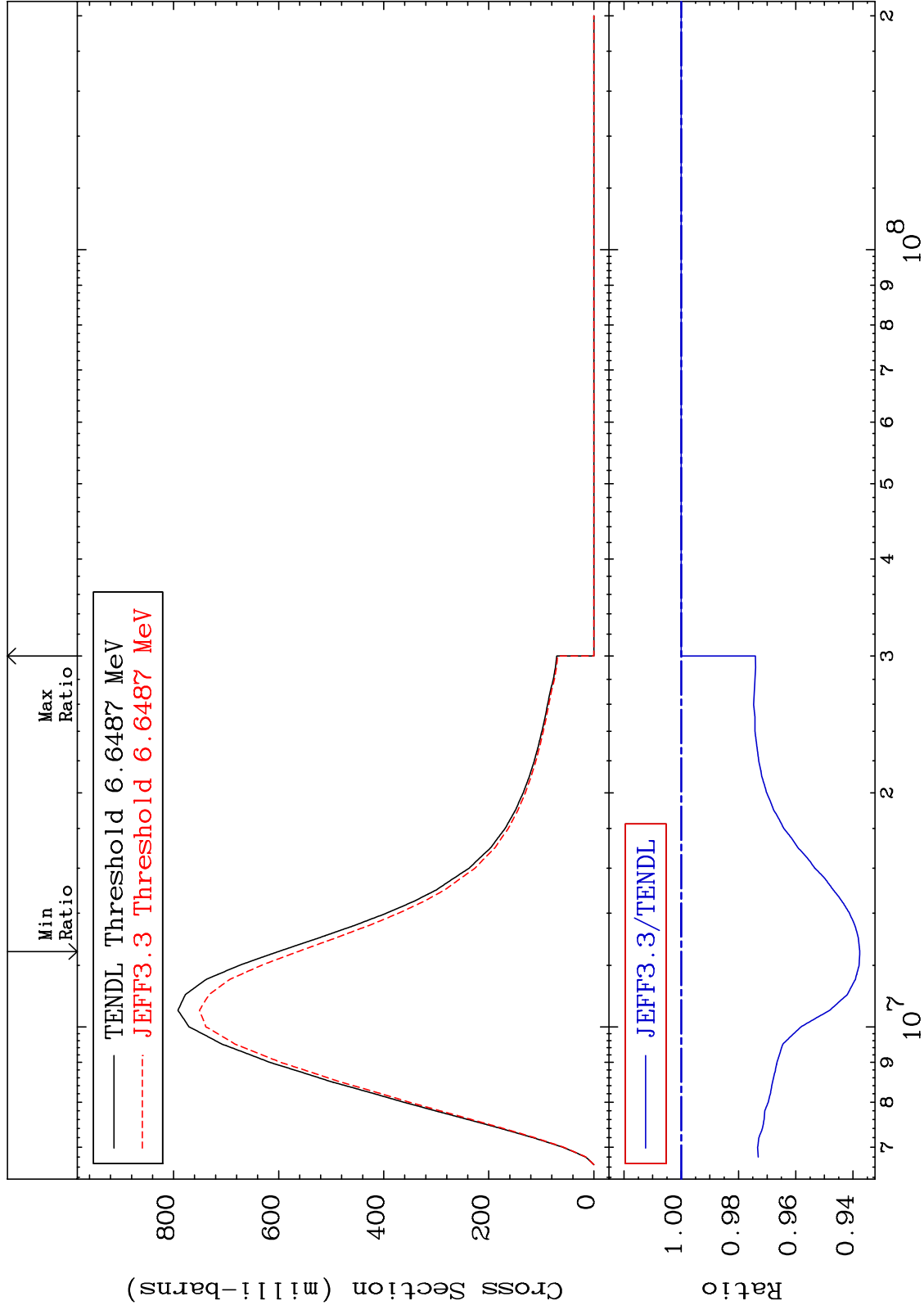
Incident Energy (eV)

18-Ar-38

MAT 1831

(n,n') Continuum
Cross Section

18-Ar-38
-6.235 To 0.000 %



47

18-Ar-38

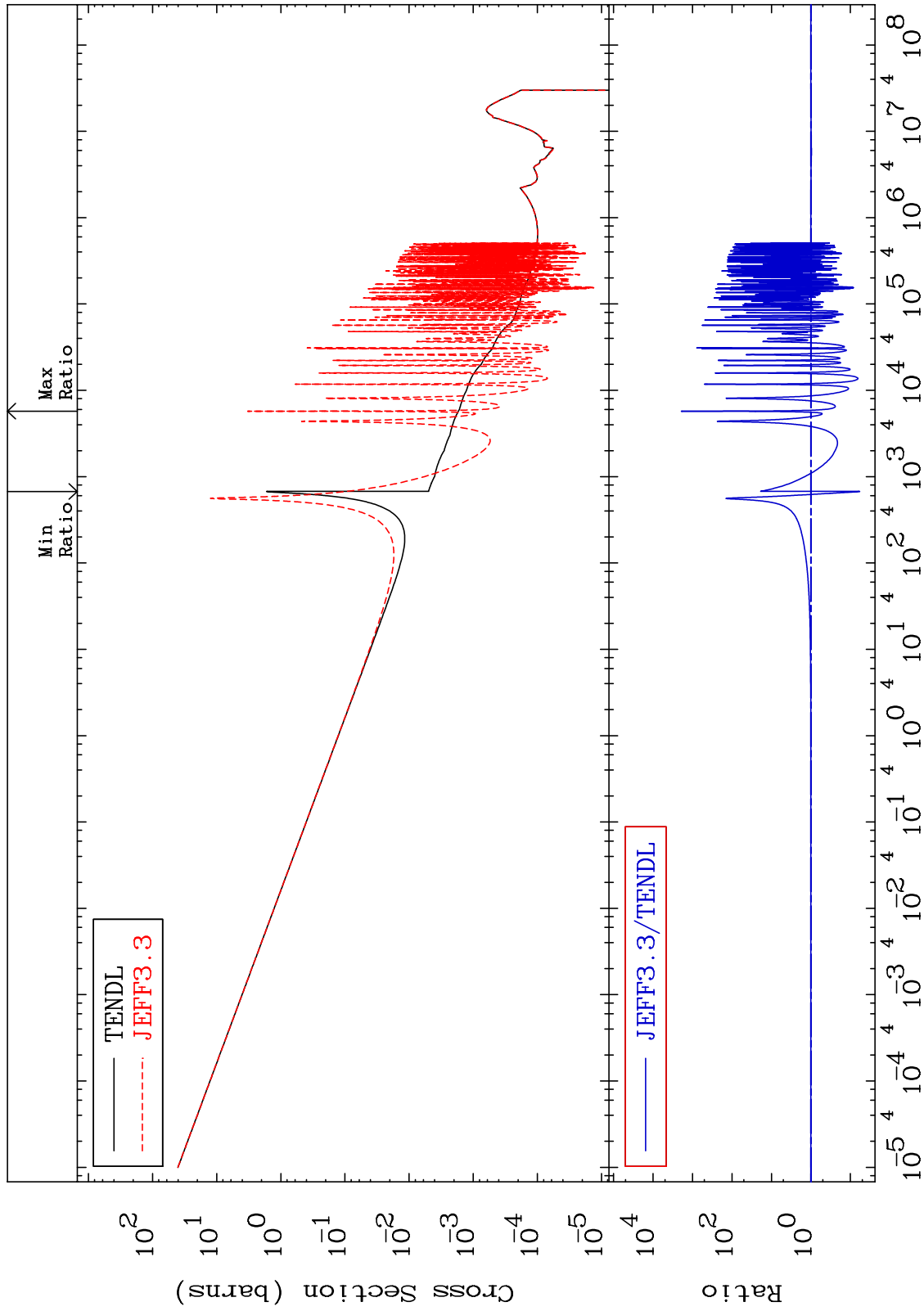
MAT 1831

(n, γ)

18-Ar-38

Cross Section

-94.21 To 9999. %



48

Incident Energy (eV)

18-Ar-38

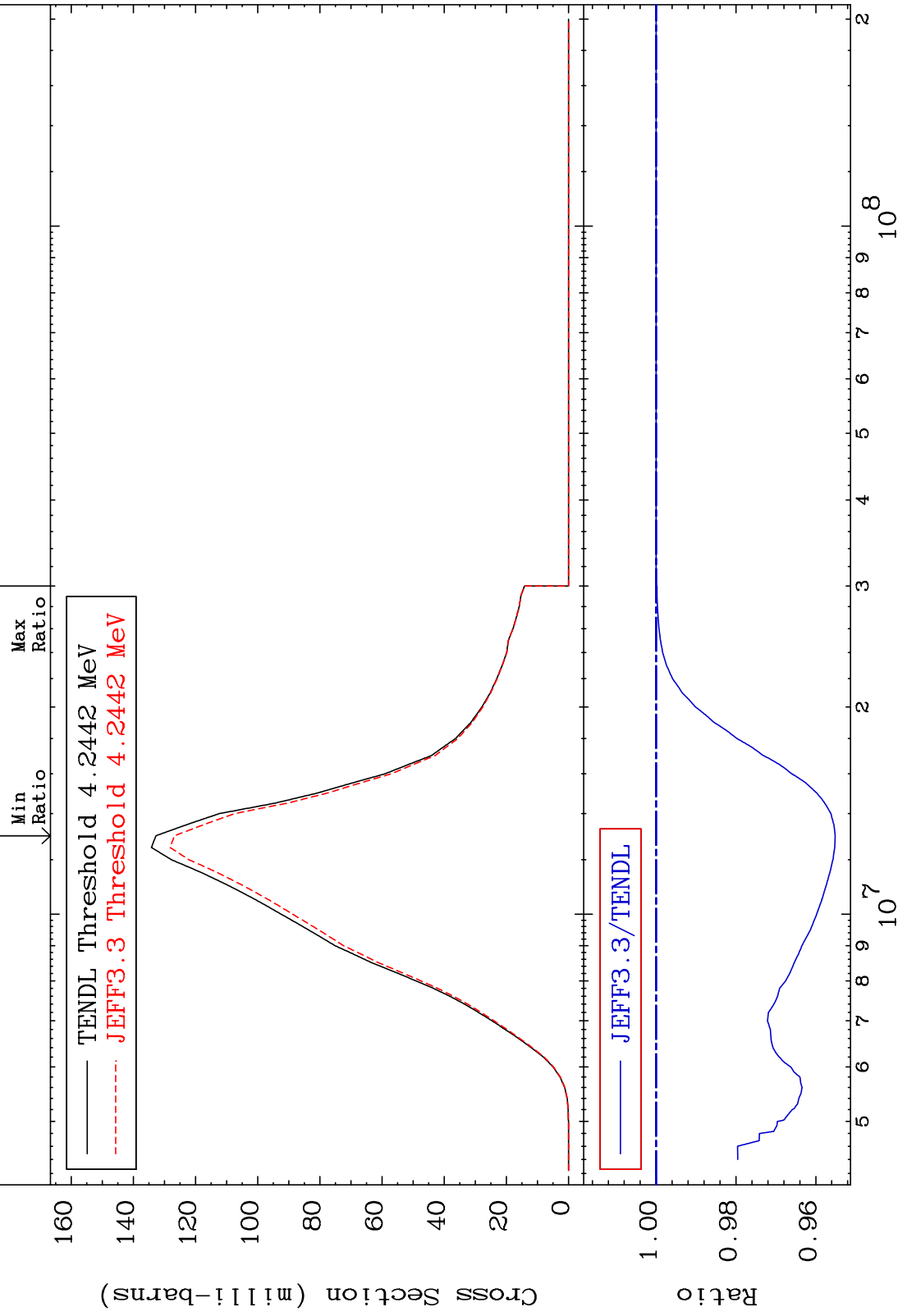
MAT 1831

(n,p)

18-Ar-38

Cross Section

-4.486 To 0.000 %



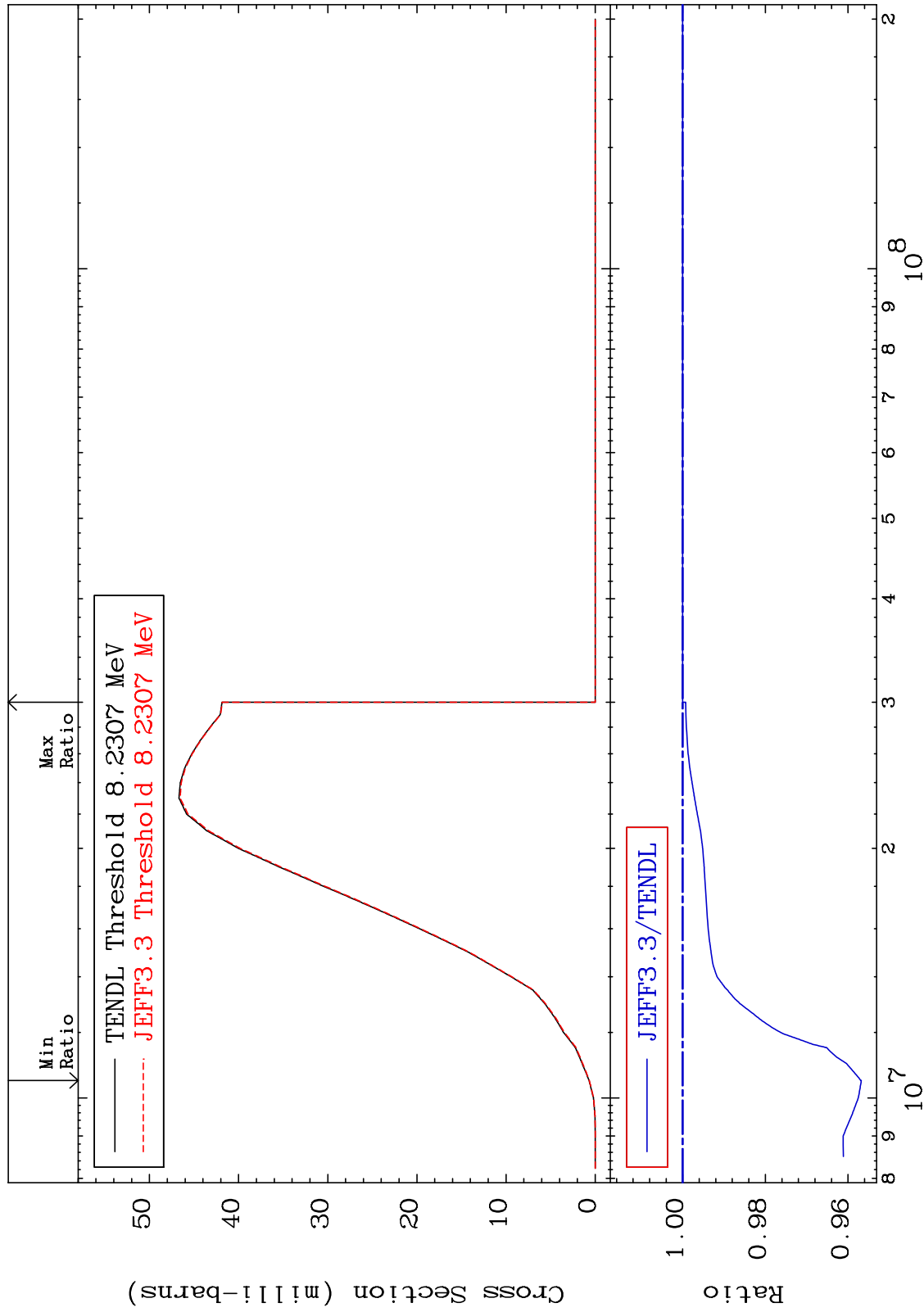
MAT 1831

(n,d)

18-Ar-38

Cross Section

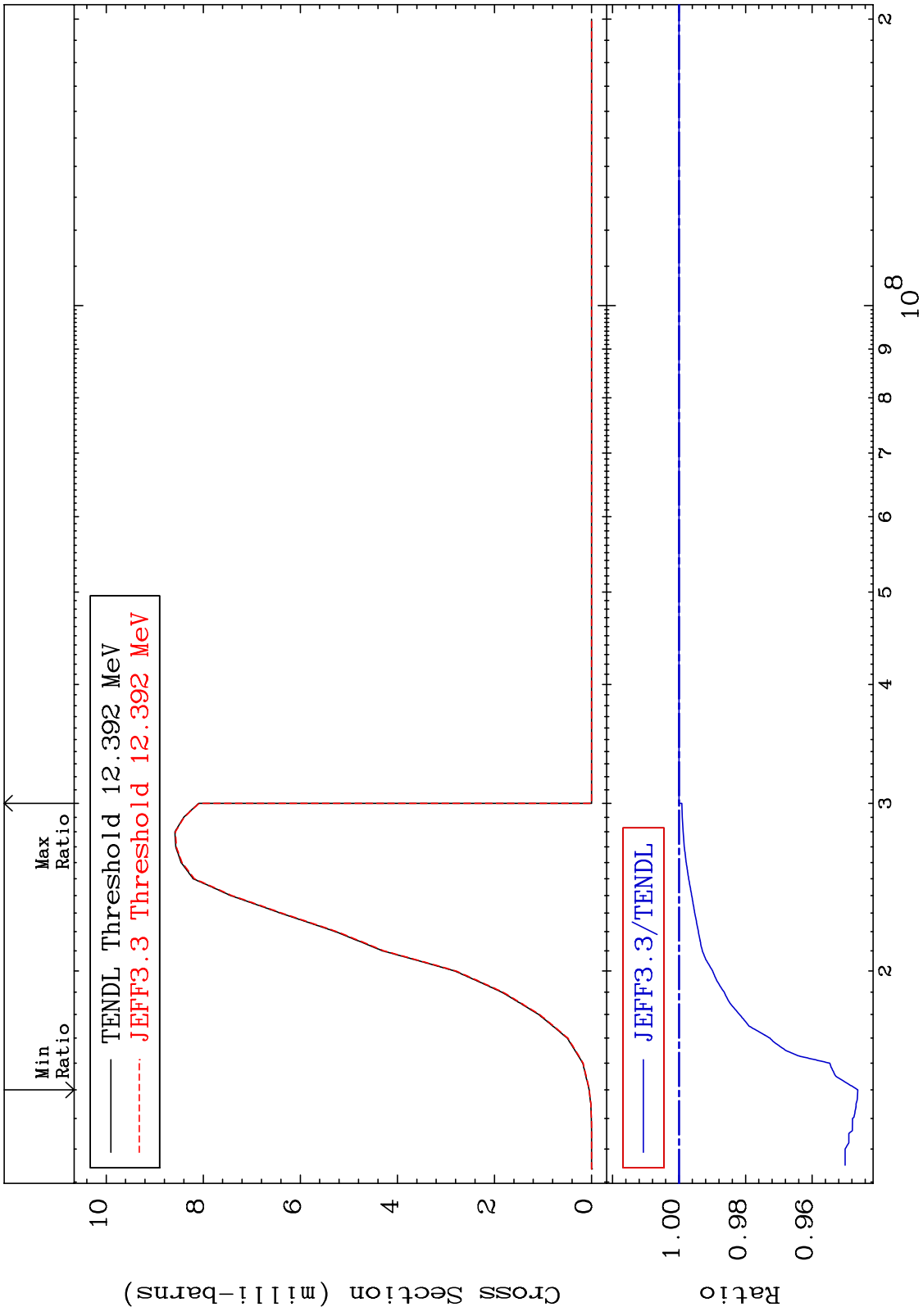
-4.322 To 0.000 %

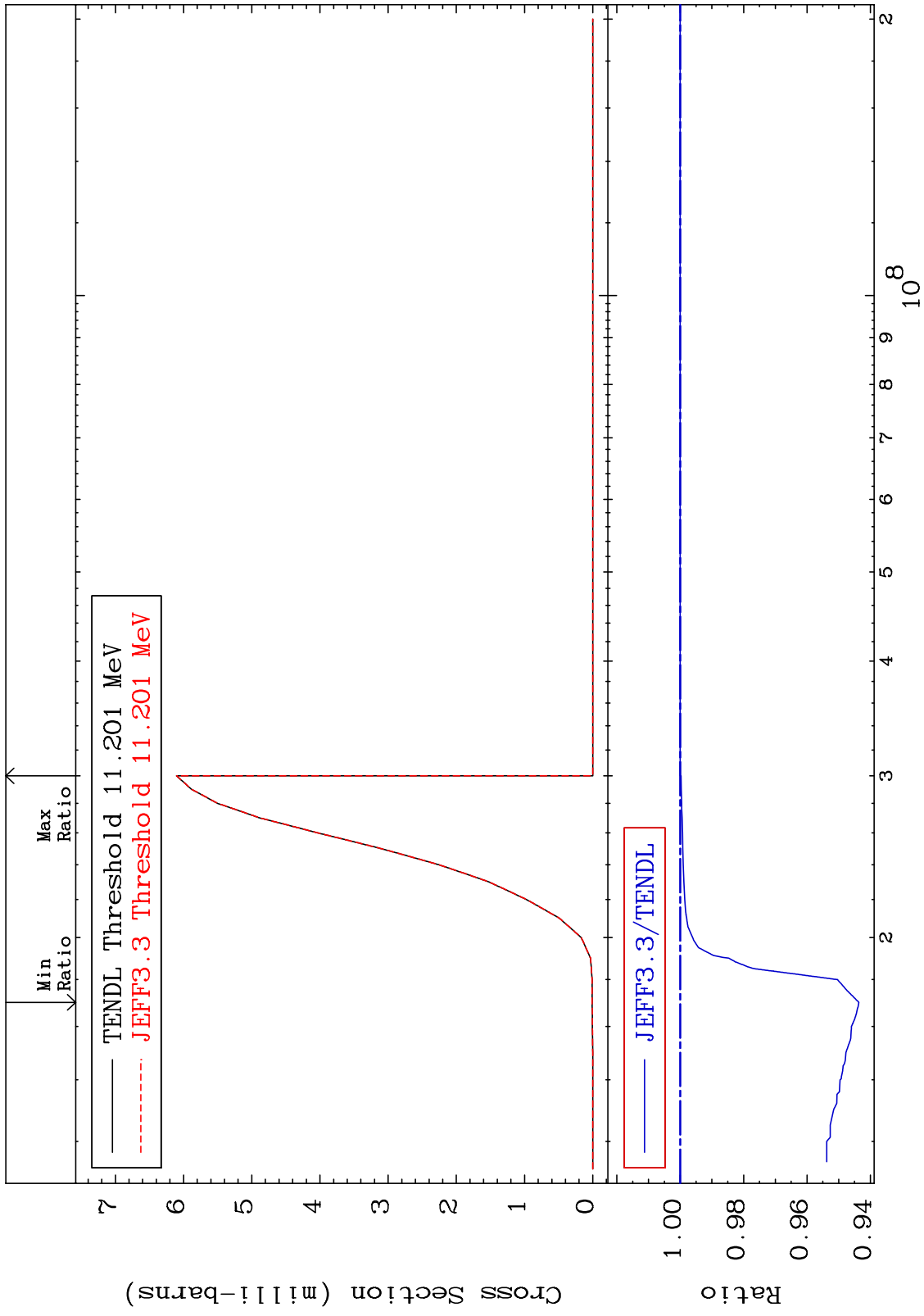


50

Incident Energy (eV)

18-Ar-38





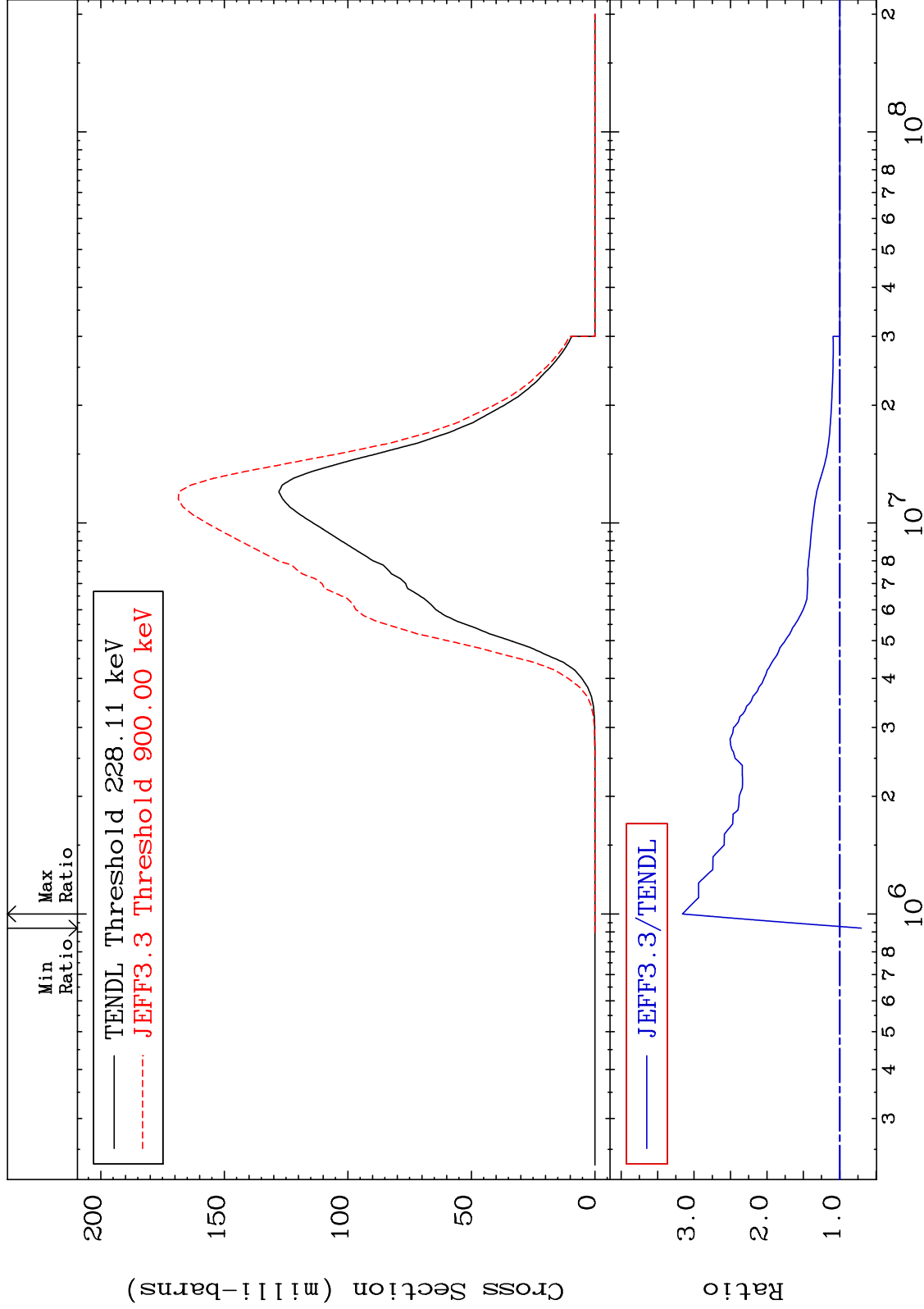
MAT 1831

(n, α)

18-Ar-38

Cross Section

-29.52 To 215.9 %



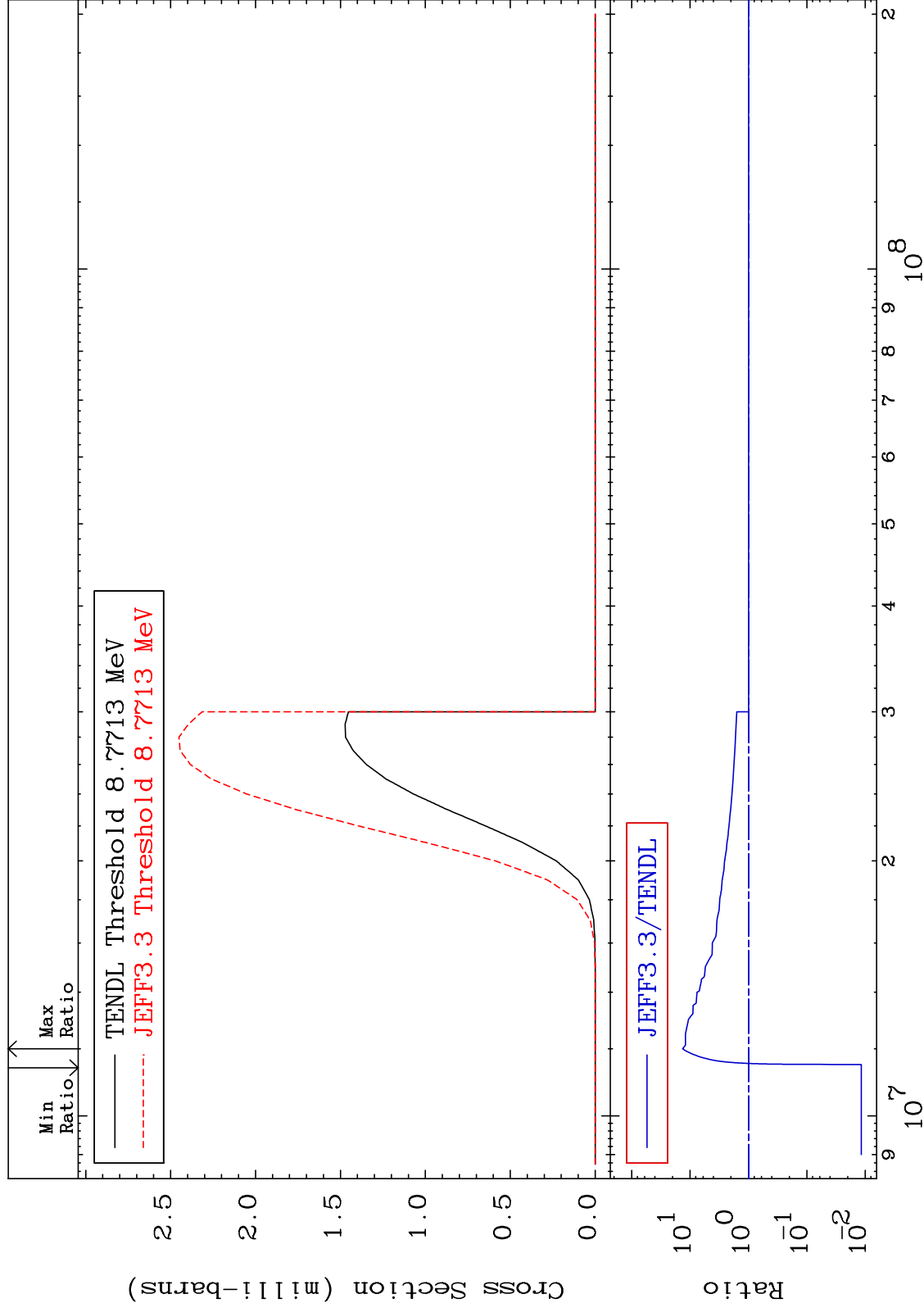
MAT 1831

(n,2α)

18-Ar-38

Cross Section

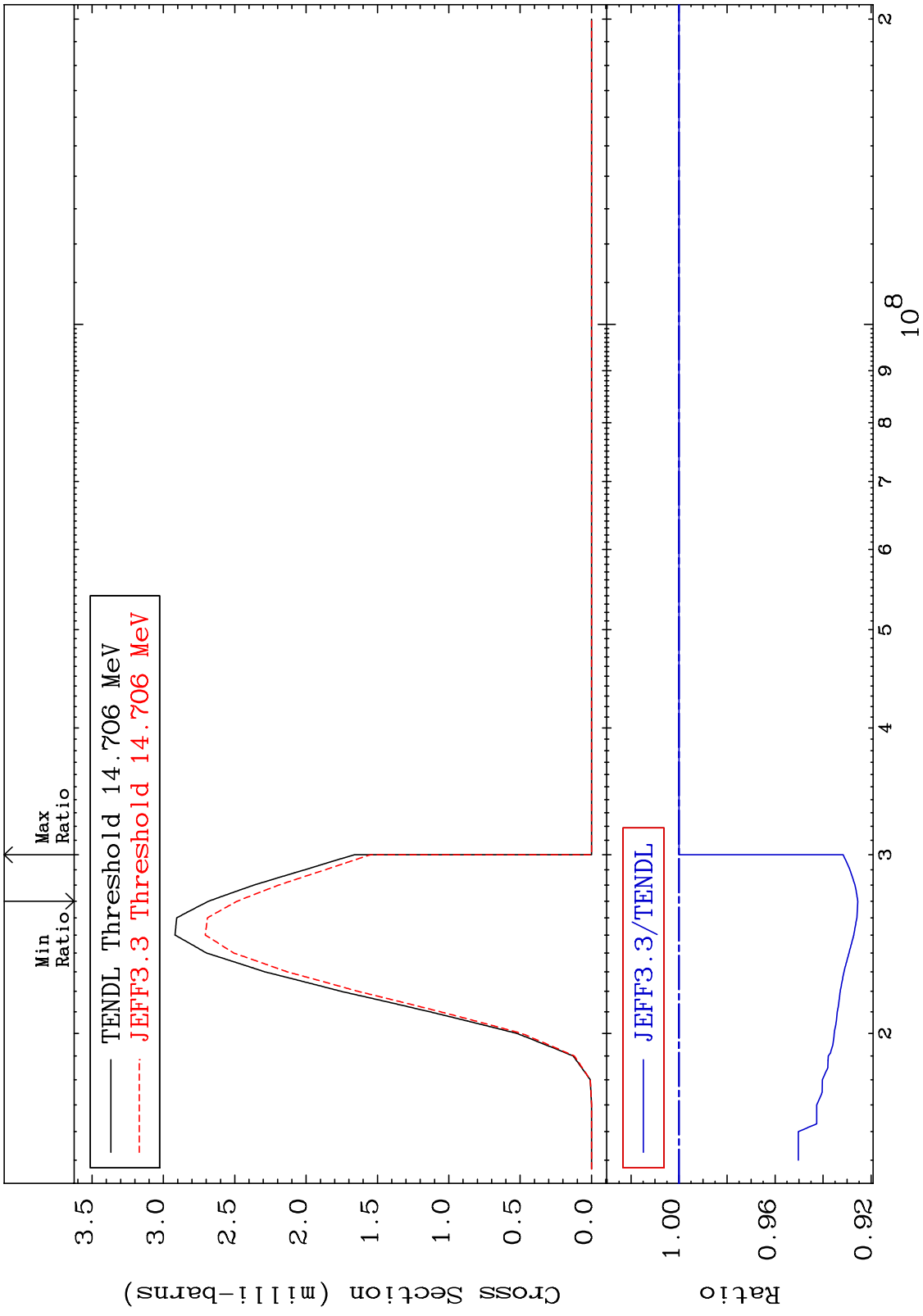
-98.83 To 1240. %



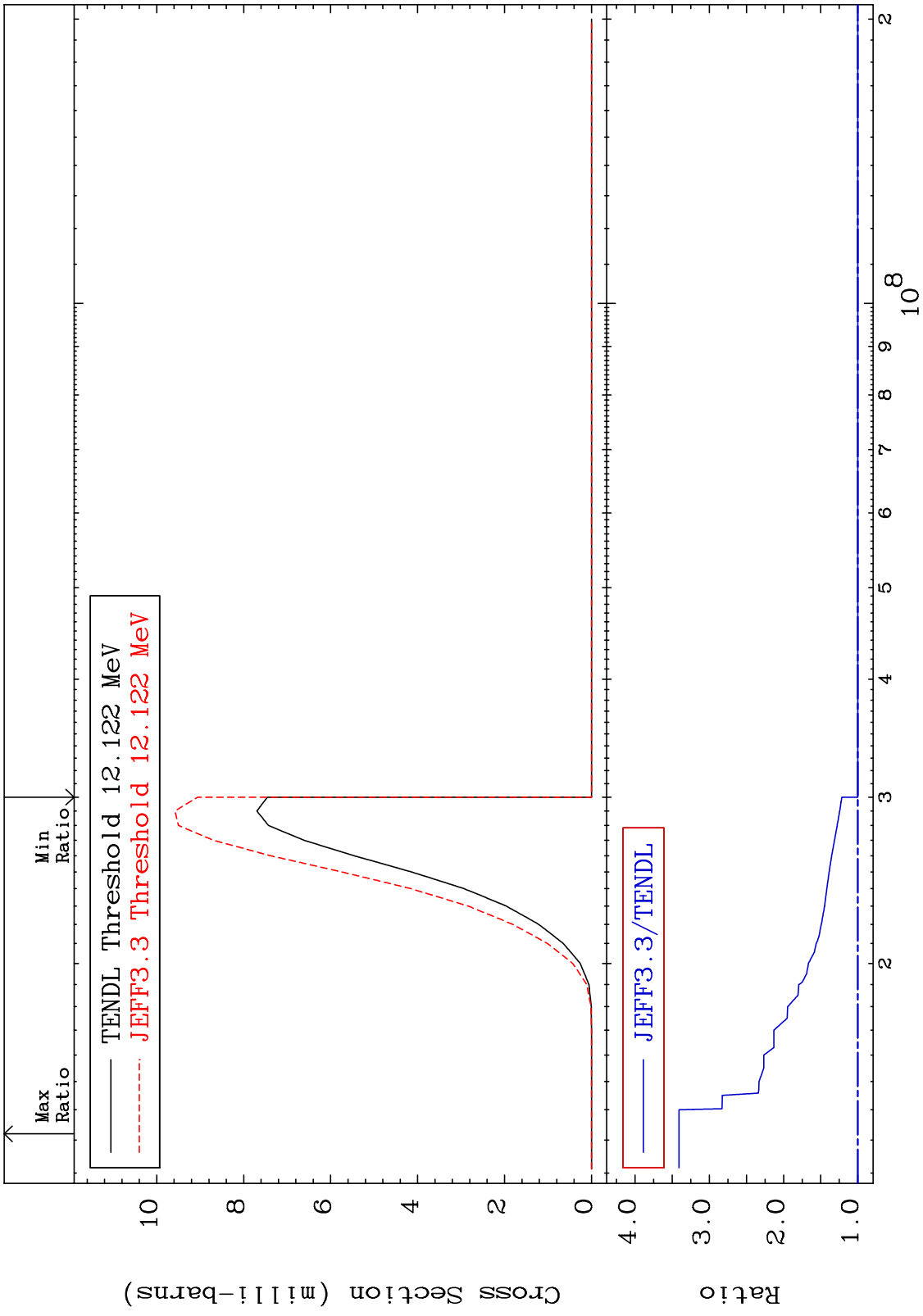
54

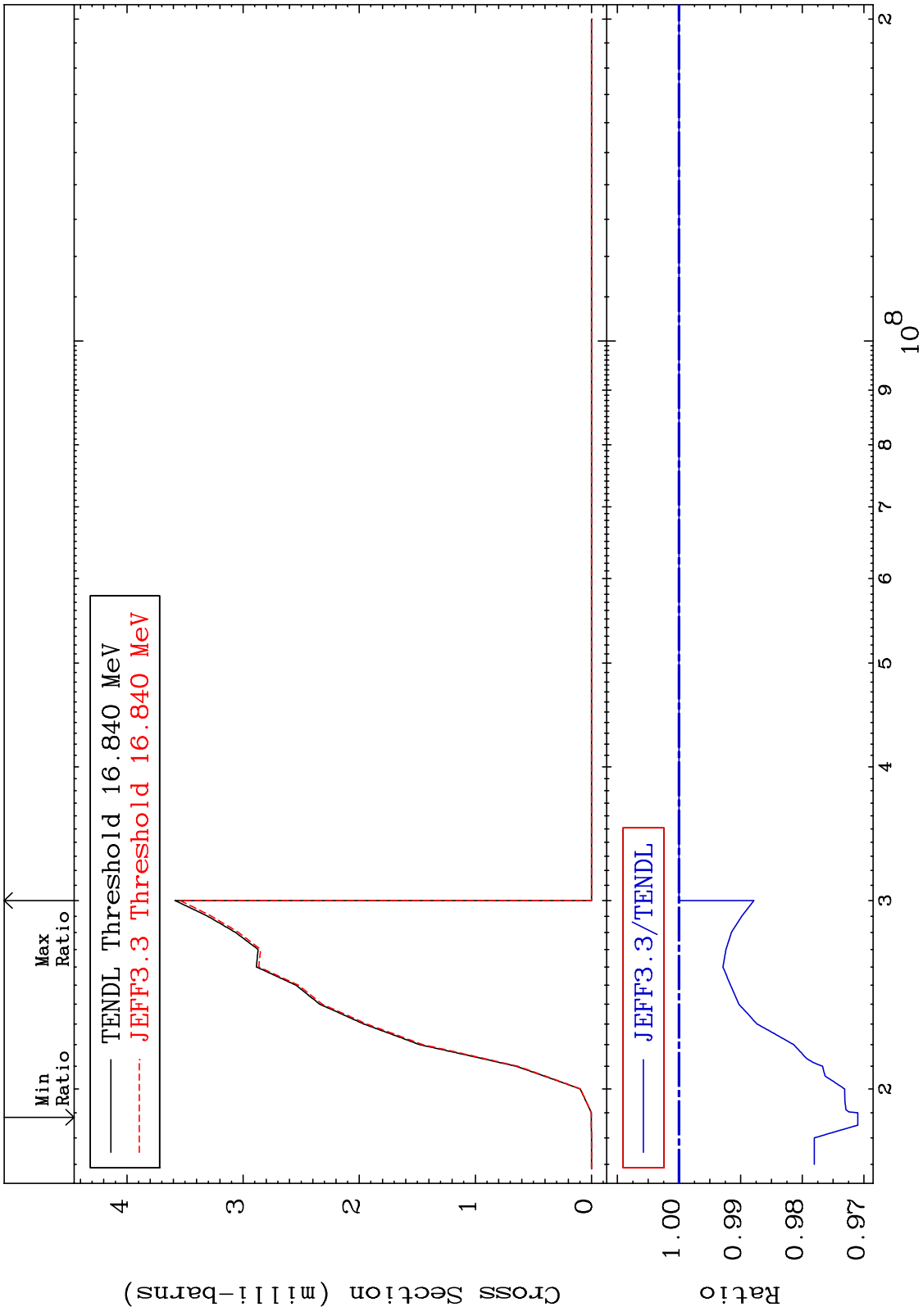
Incident Energy (eV)

18-Ar-38



MAT 1831 $(n,p) \alpha$ 18-Ar-38
 Cross Section 0.000 To 240.8 %





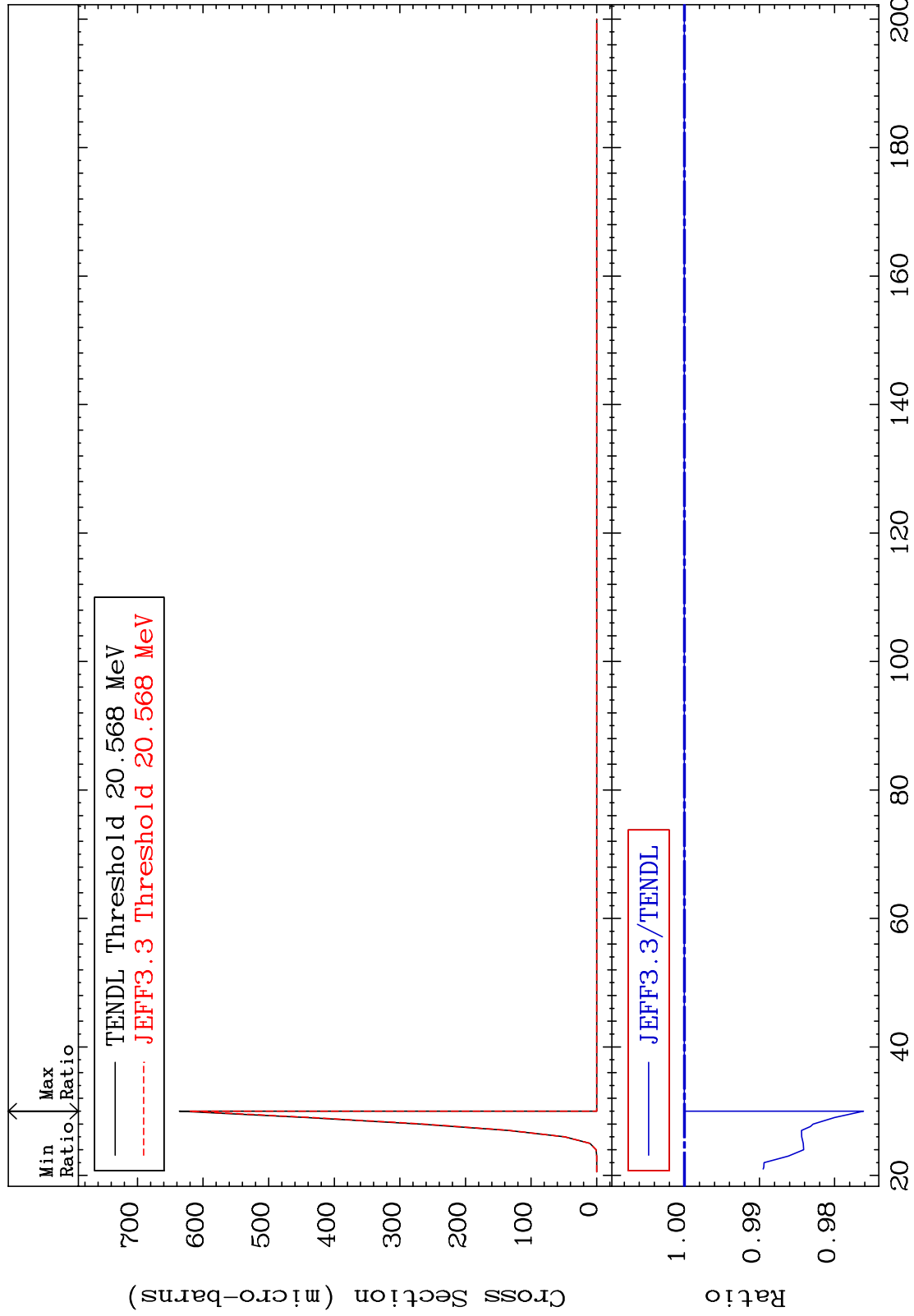
MAT 1831

(n,p) t

18-Ar-38

Cross Section

-2.384 To 0.000 %

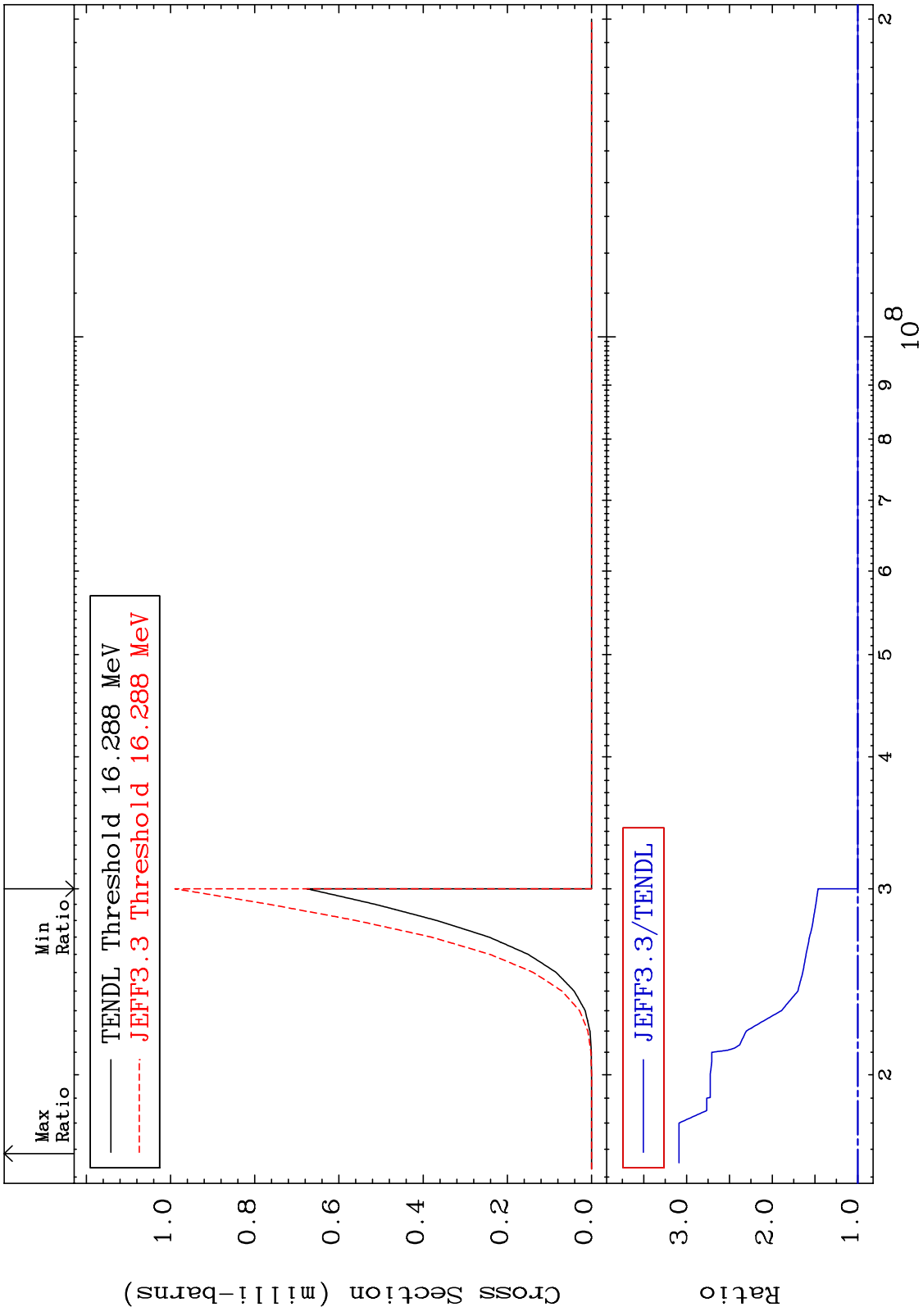


58

Incident Energy (MeV)

18-Ar-38

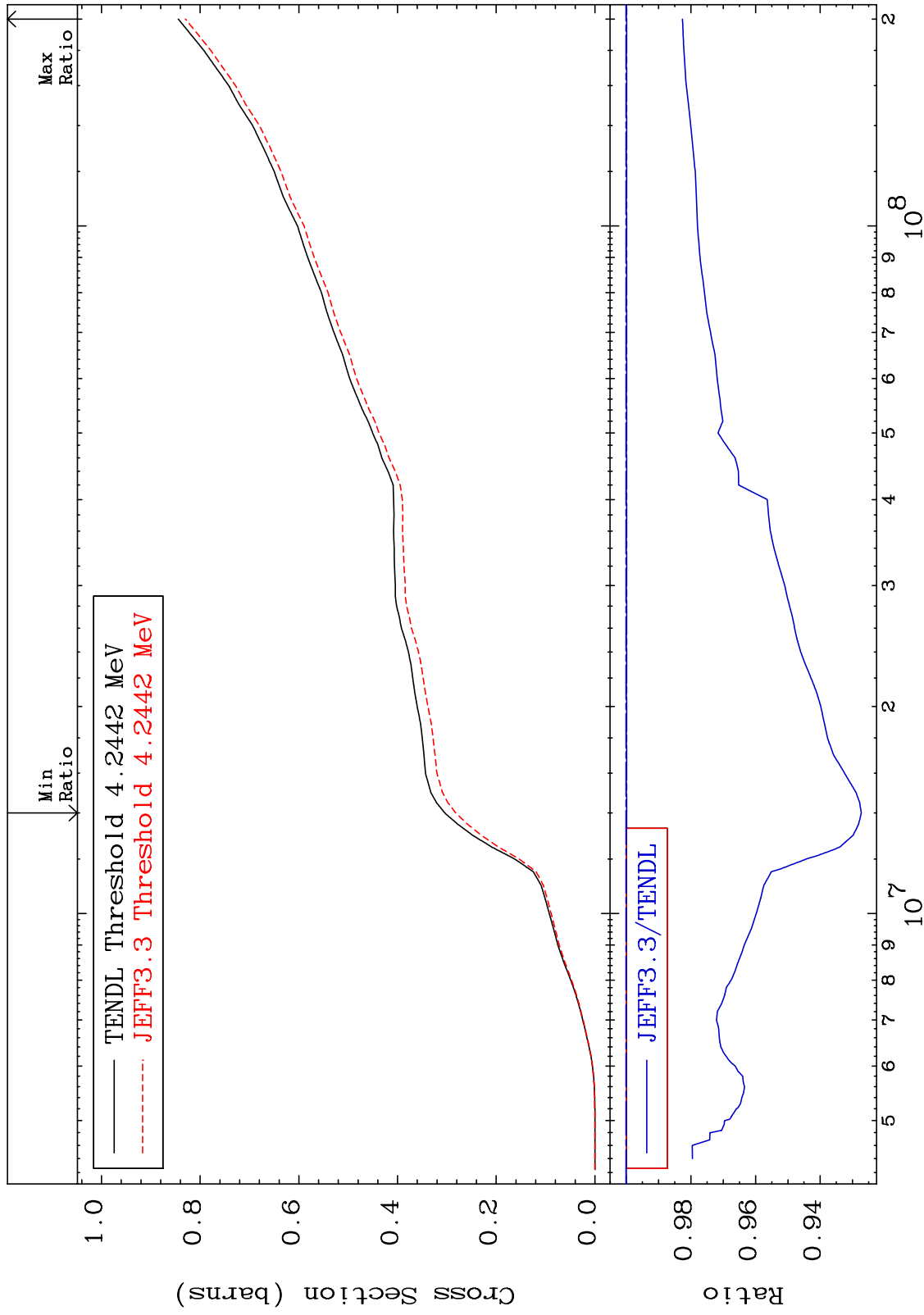
MAT 1831 (n,d) α 18-Ar-38
 Cross Section 0.000 To 208.9 %



MAT 1831

Hydrogen Production
Cross Section

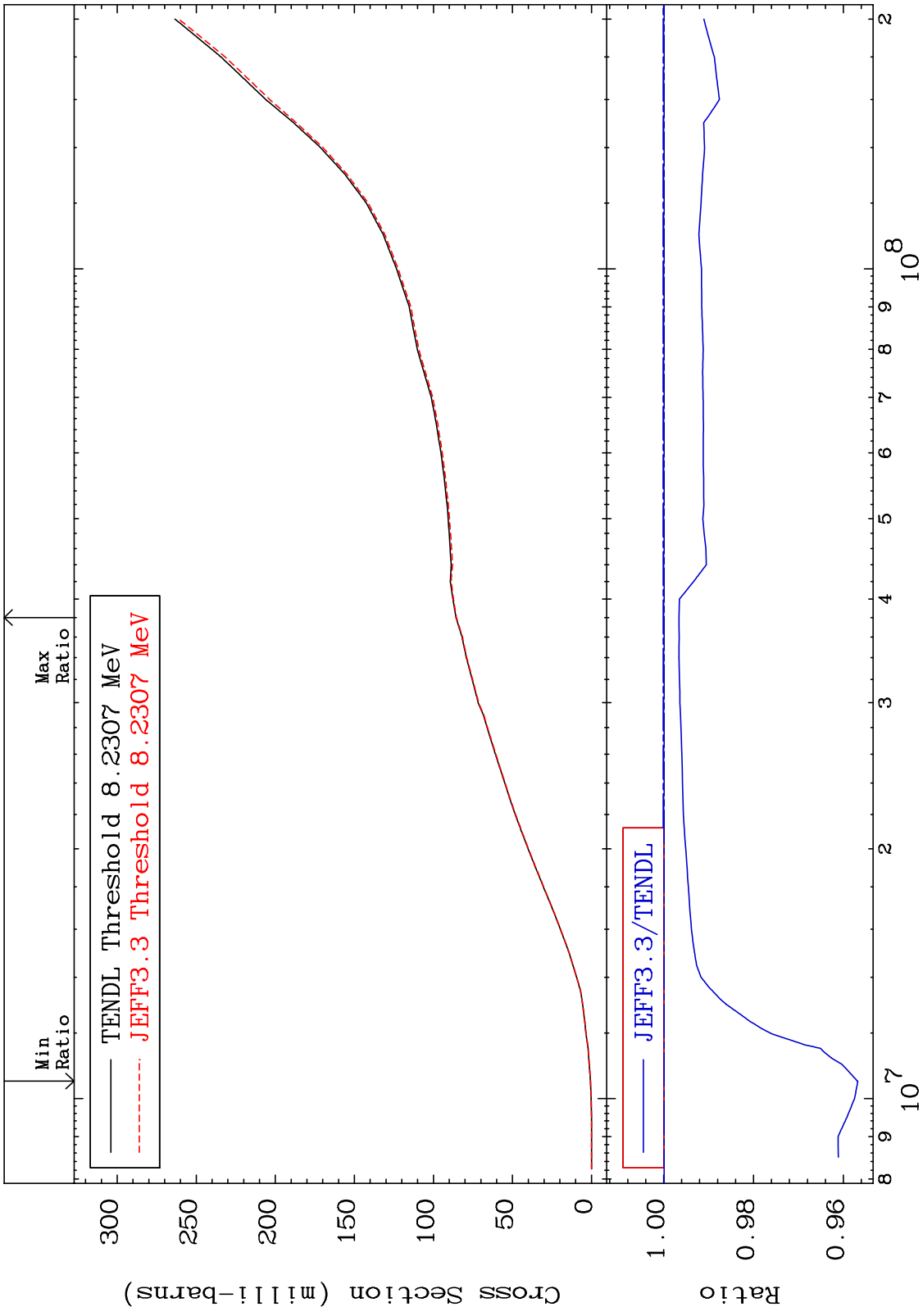
18-Ar-38
-7.271 To -1.737%



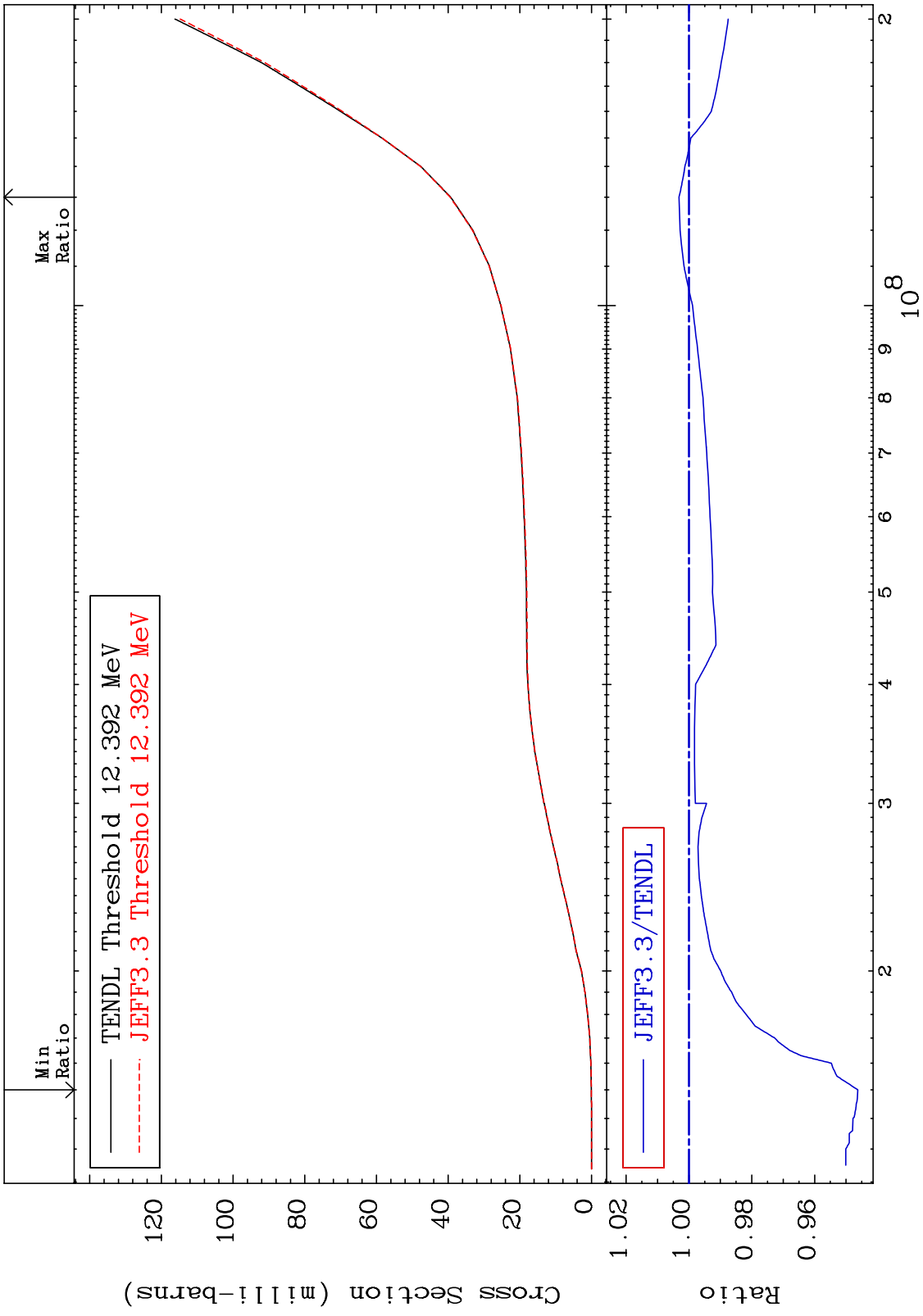
60

Incident Energy (eV)

18-Ar-38



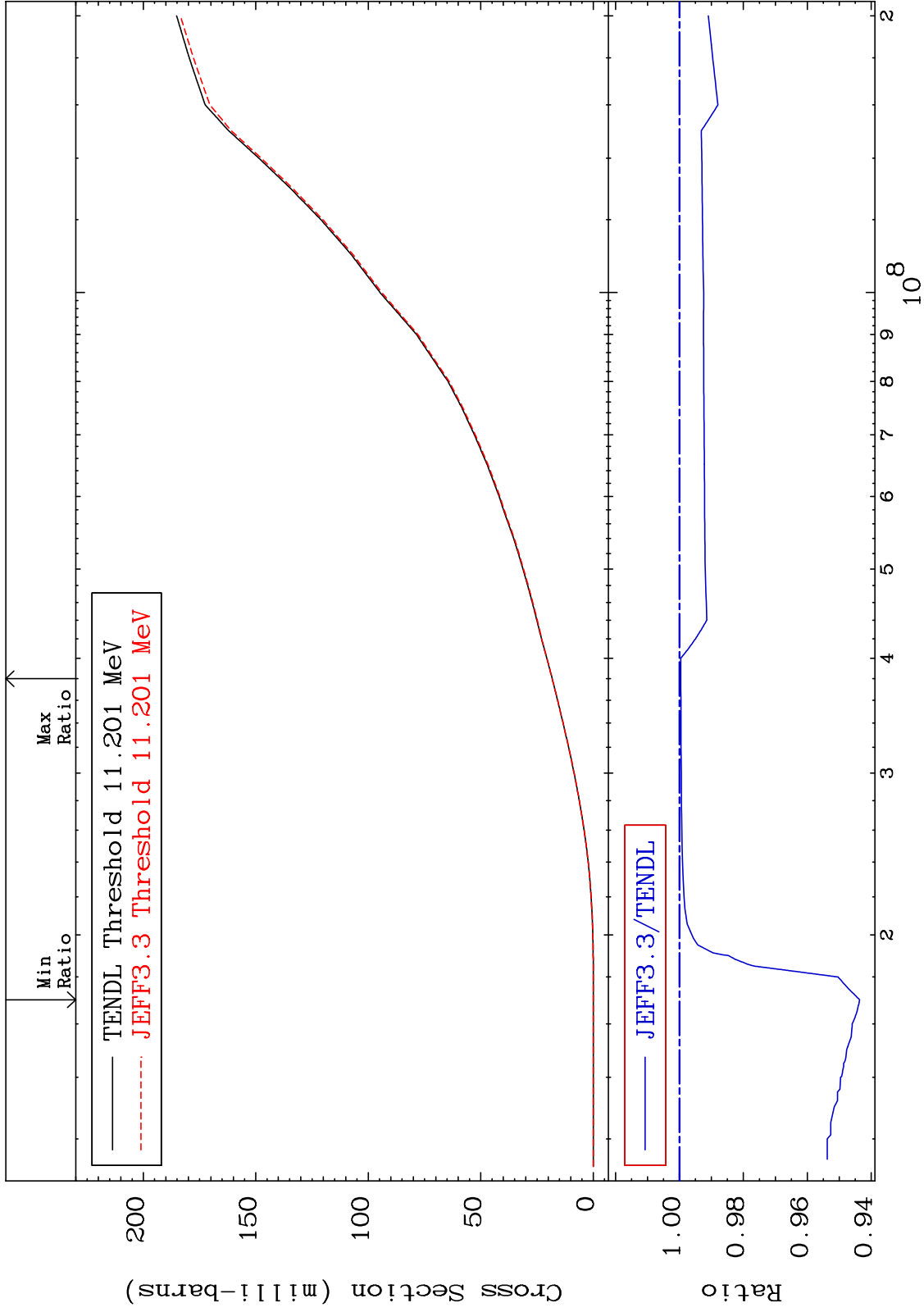
MAT 1831 Tritium Production Cross Section 18-Ar-38
 -5.376 To 0.316 %



MAT 1831

He-3 Production
Cross Section

18-Ar-38
-5.636 To -0.043%



63

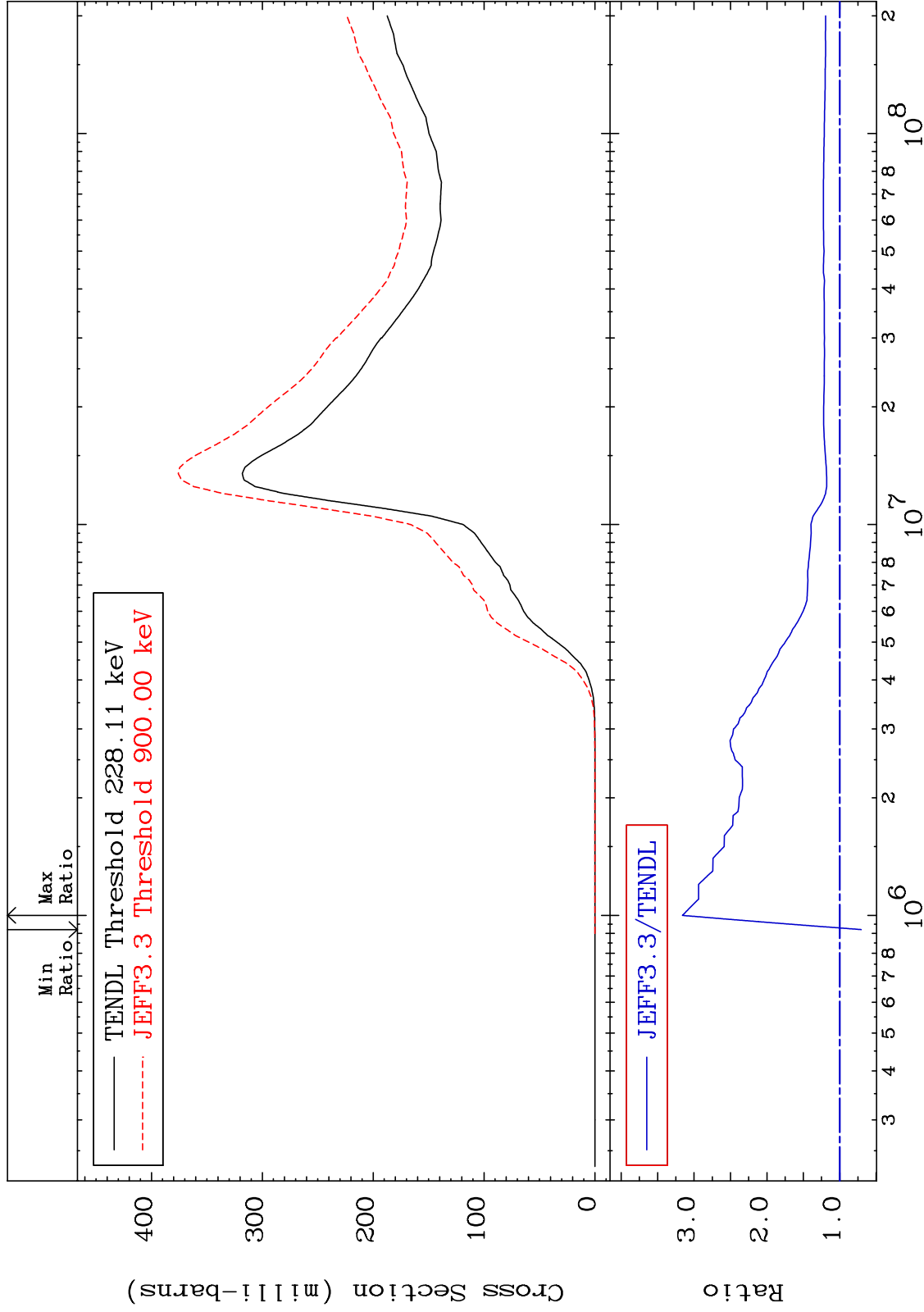
Incident Energy (eV)

18-Ar-38

MAT 1831

He-4 Production
Cross Section

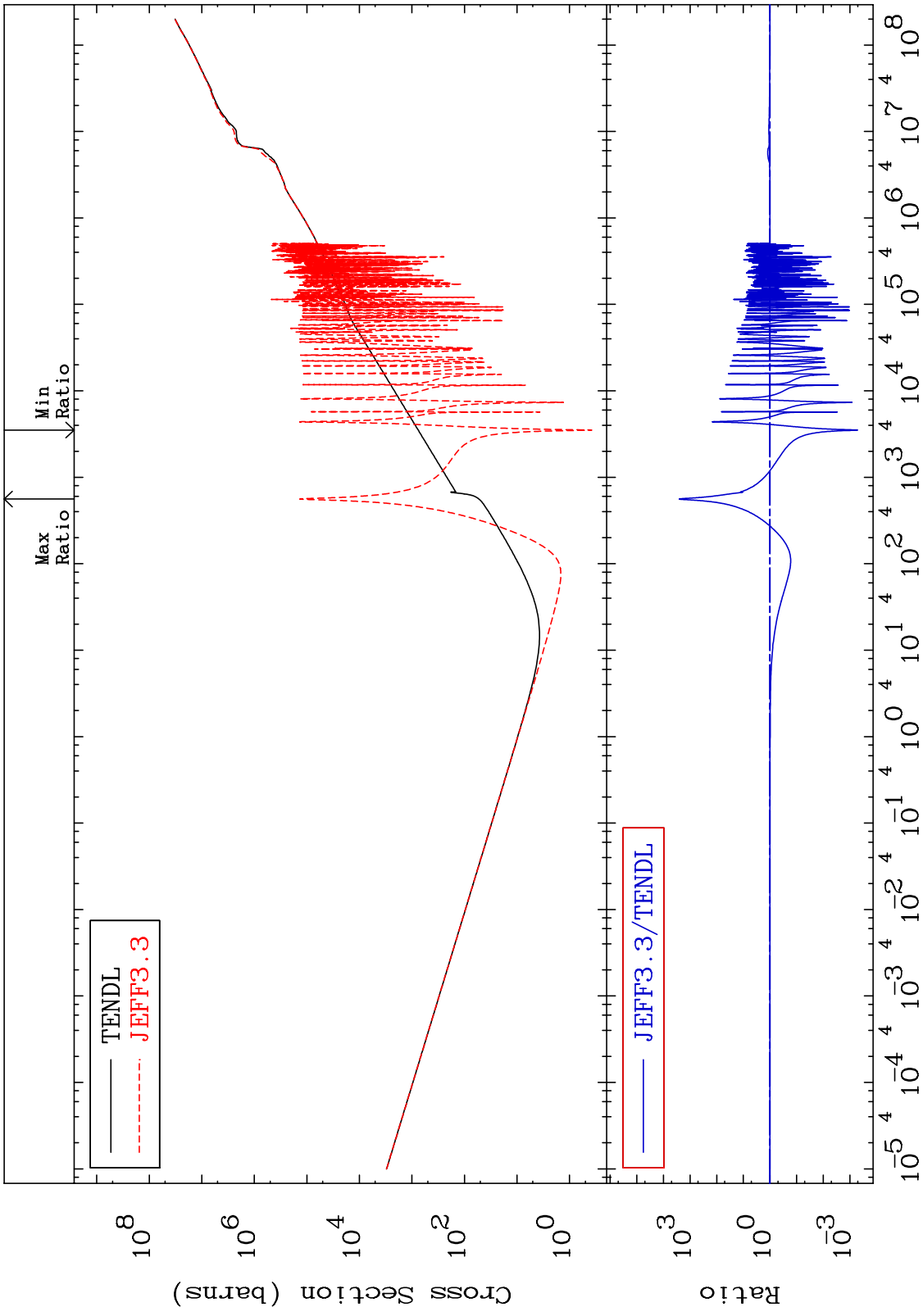
18-Ar-38
-29.52 To 215.9 %



64

18-Ar-38

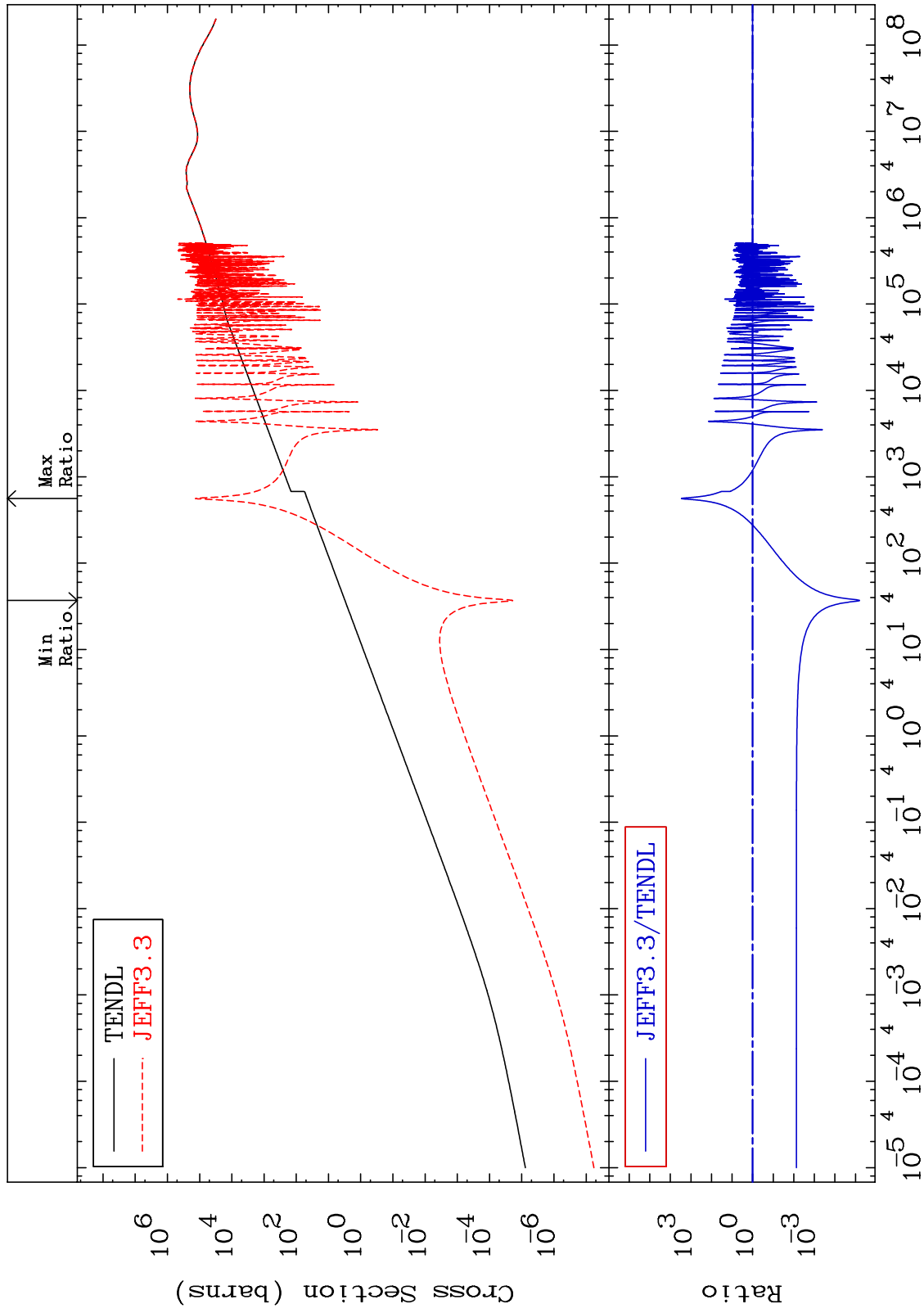
MAT 1831 Kerma total (eV-barns) 18-Ar-38
 Cross Section -99.95 To 9999. %



MAT 1831

Kerma elastic
Cross Section

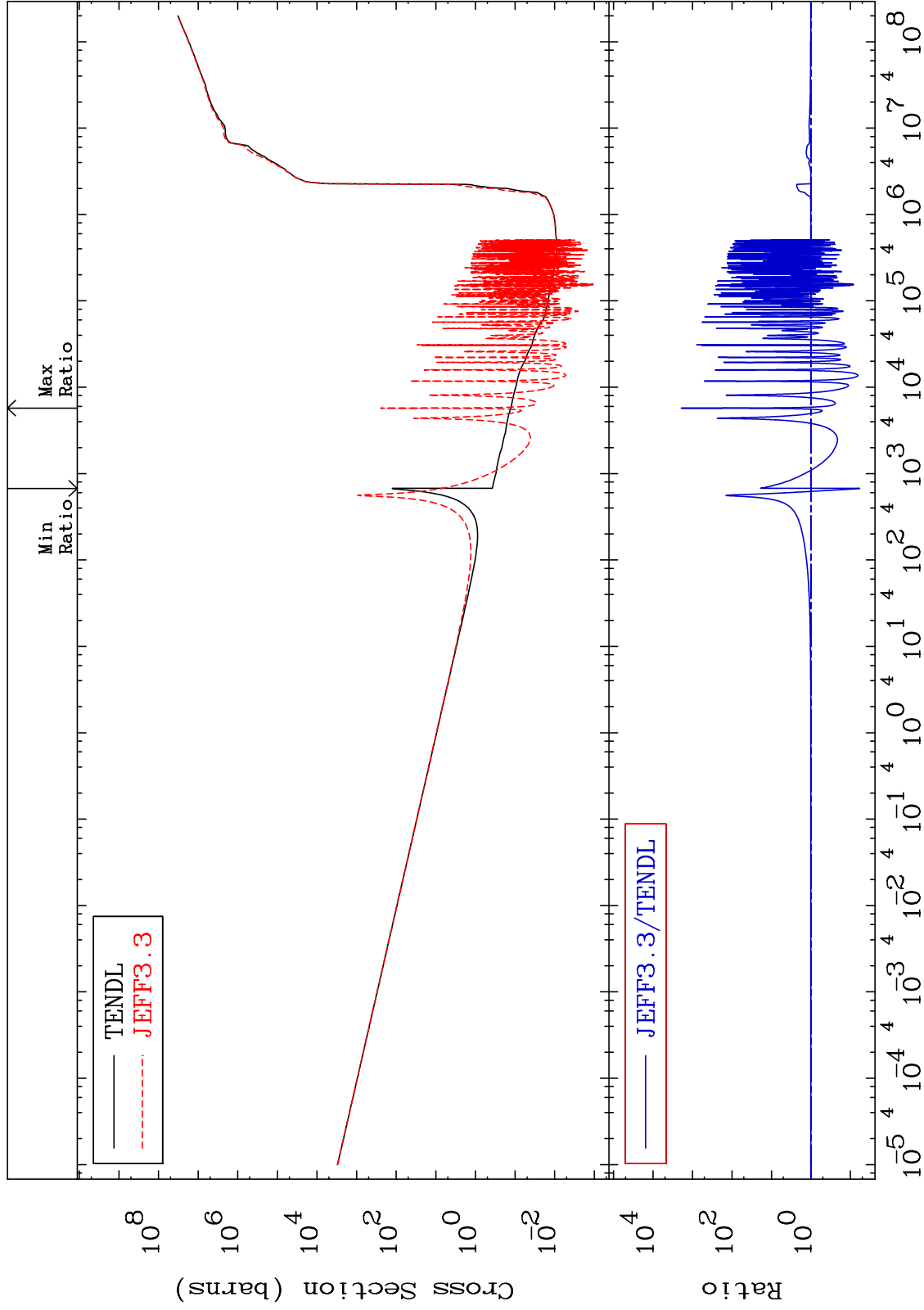
18-Ar-38
-100.0 To 9999. %



MAT 1831

Kerma non-elastic (all but mt2)
Cross Section

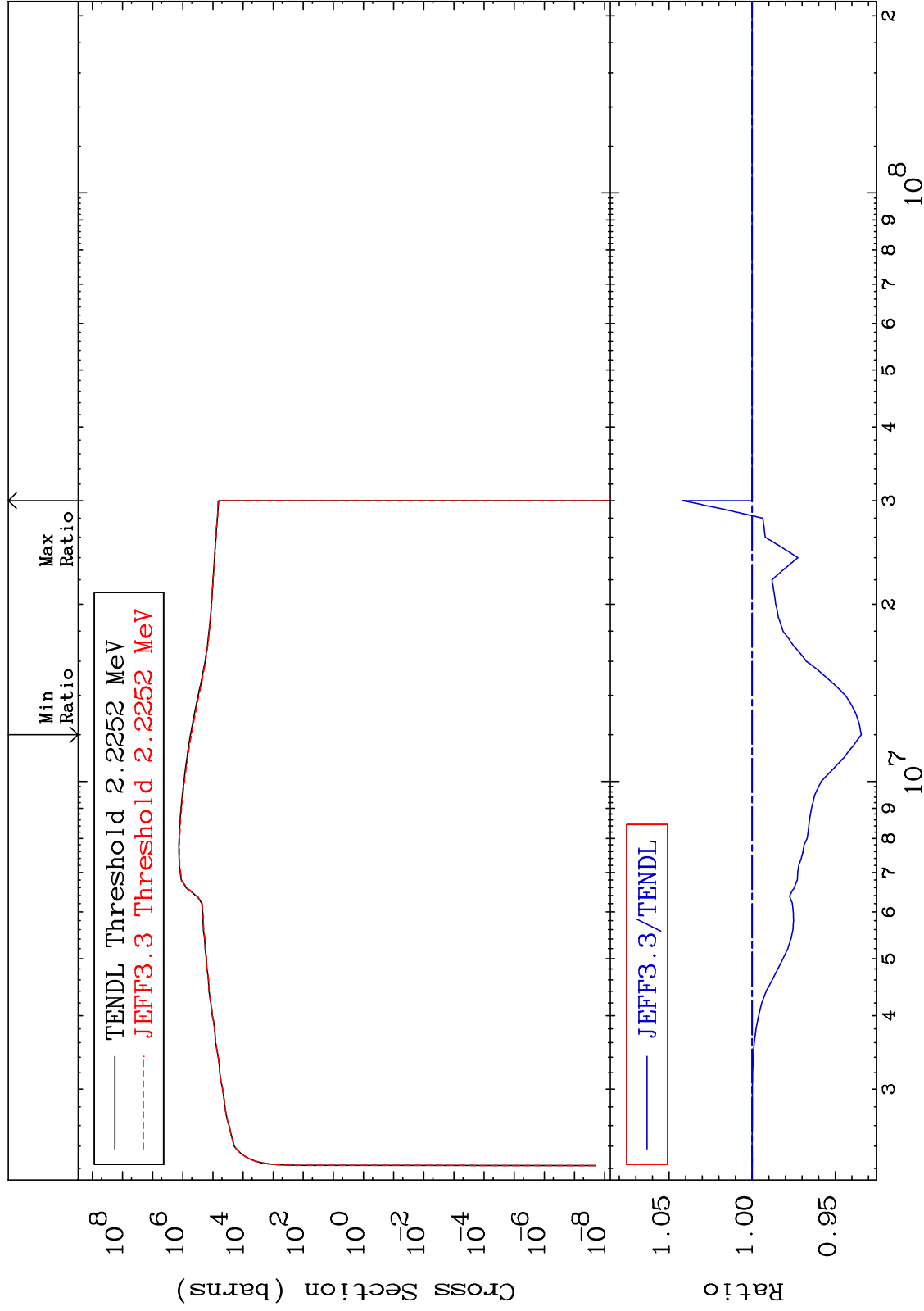
18-Ar-38
-94.21 To 9999. %



MAT 1831

Kerma inelastic (mt51-91)
Cross Section

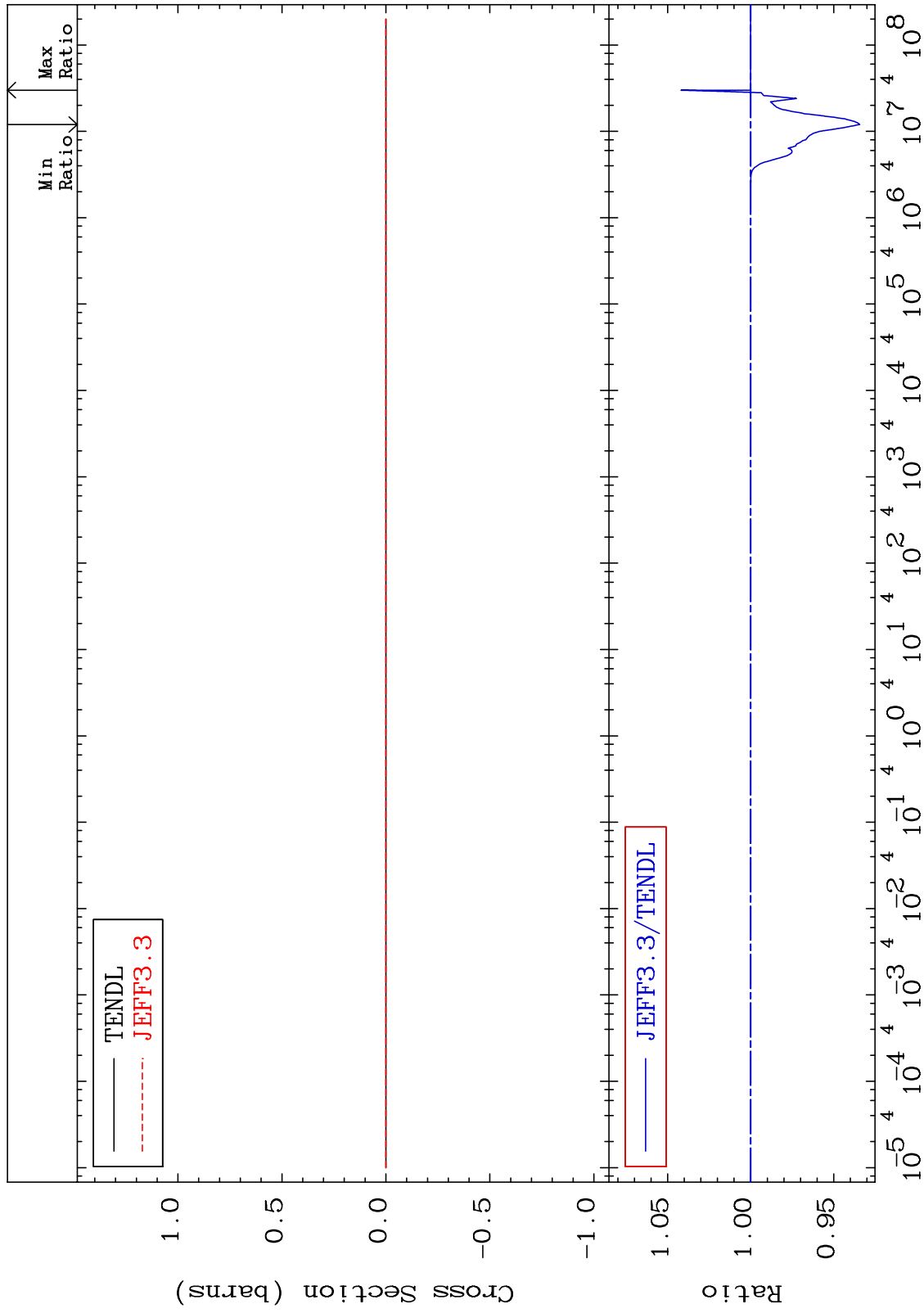
18-Ar-38
-6.571 To 4.183 %



MAT 1831

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

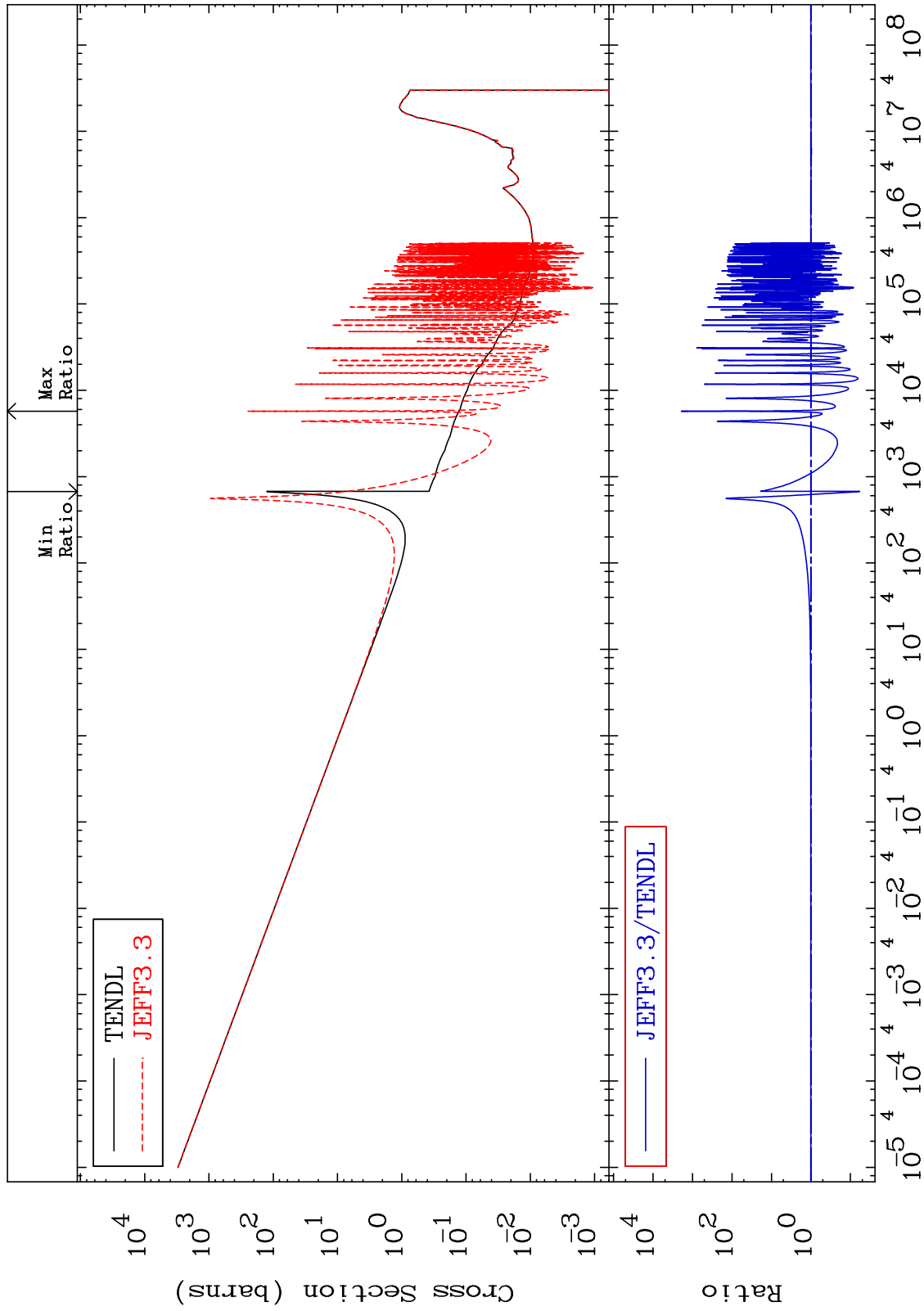
18-Ar-38
-6.571 To 4.183 %



MAT 1831

Kerma capture (mt102)
Cross Section

18-Ar-38
-94.21 To 9999. %



70

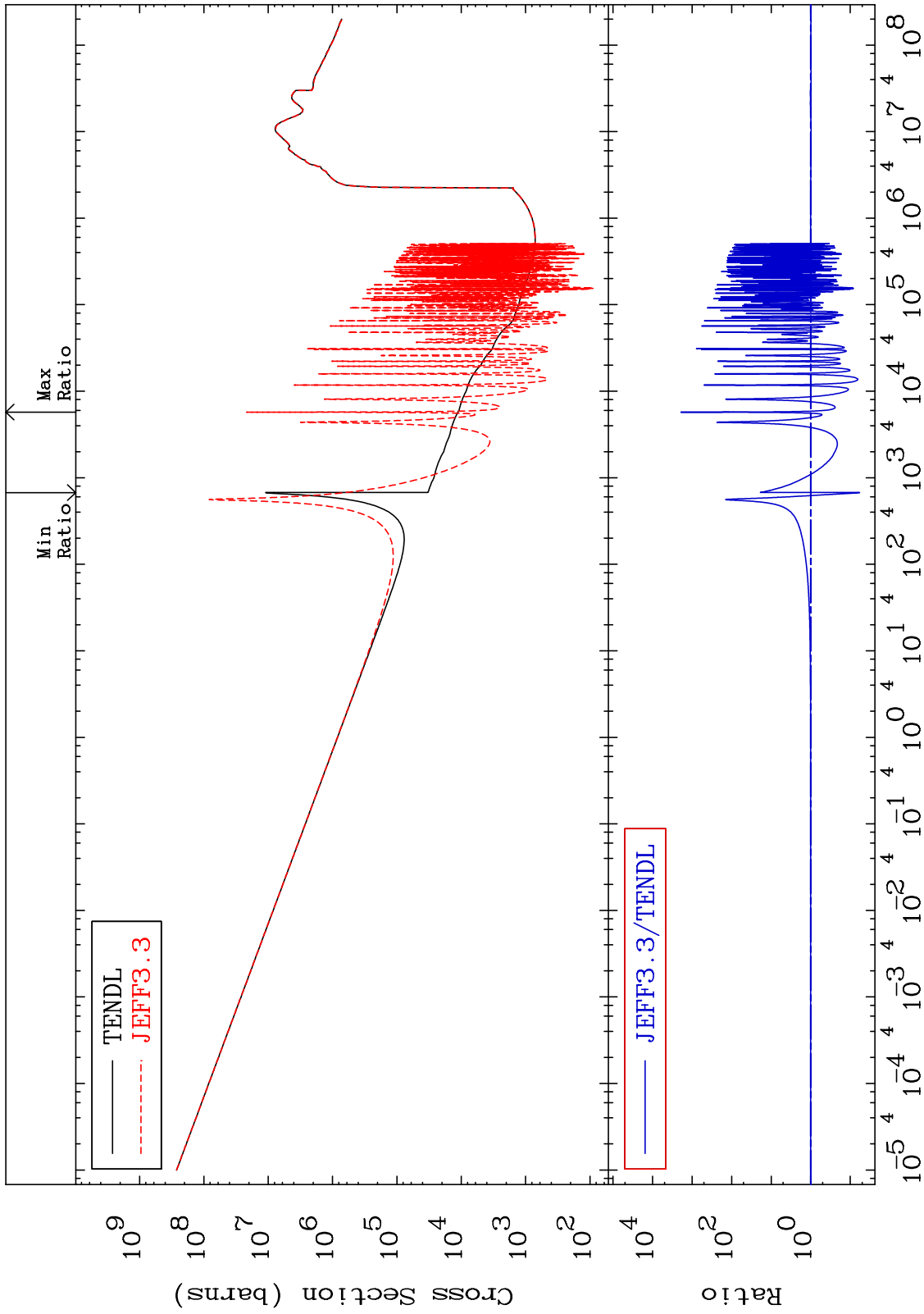
Incident Energy (eV)

18-Ar-38

MAT 1831

Total photon (eV-barns)
Cross Section

18-Ar-38
-94.21 To 9999. %

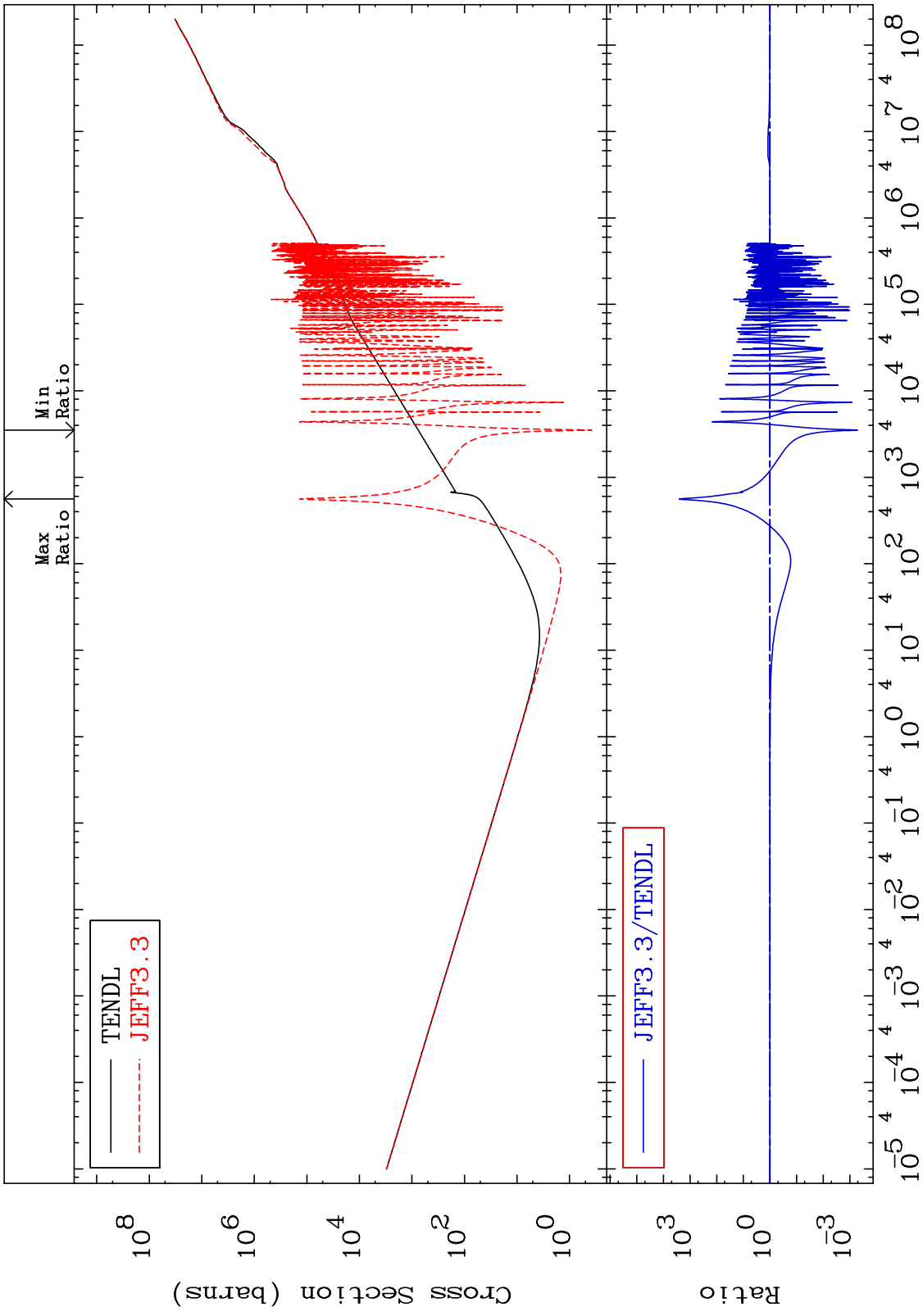


71

Incident Energy (eV)

18-Ar-38

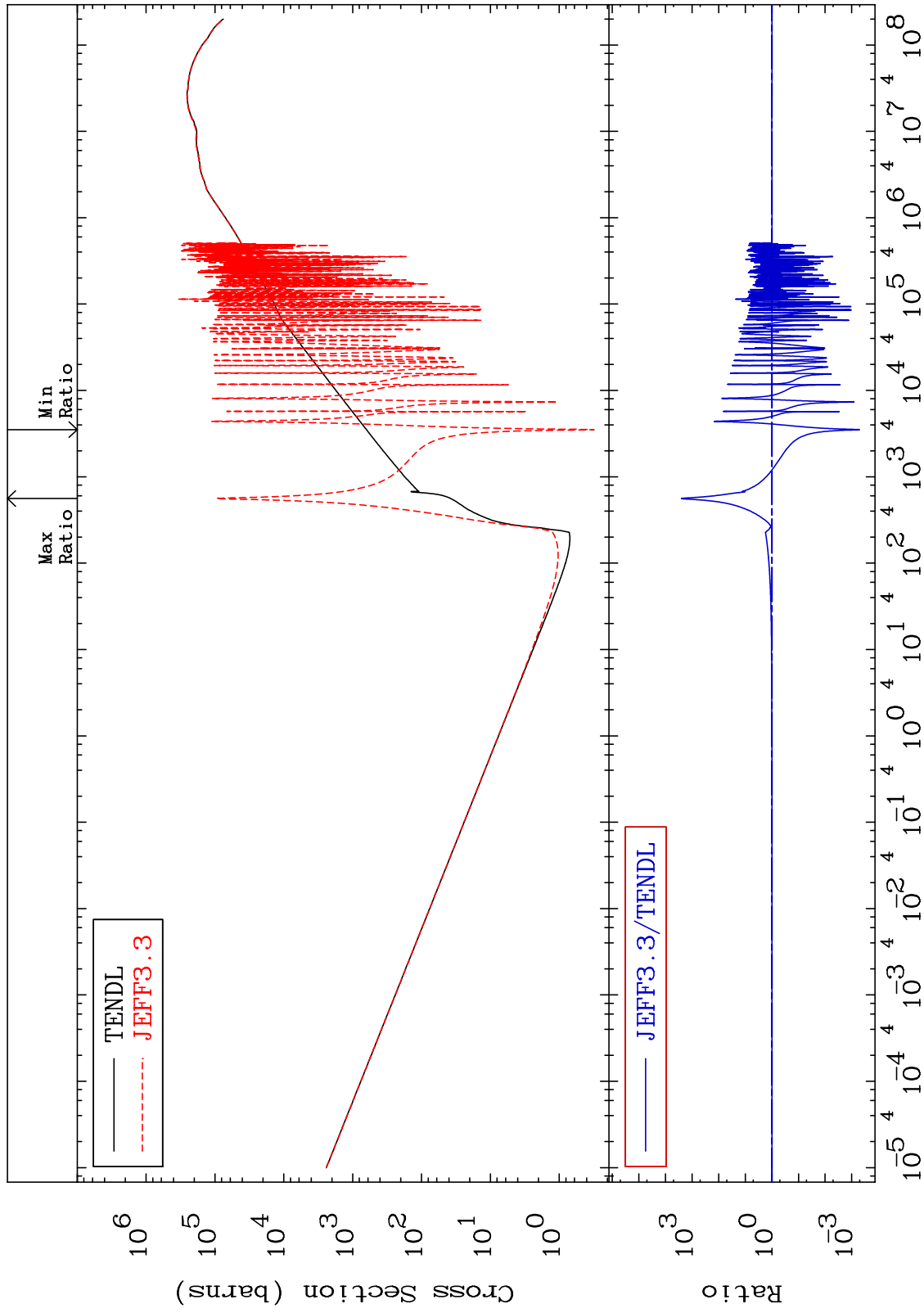
MAT 1831 Total kinematic kerma (high limit) Cross Section 18-Ar-38 -99.95 To 9999. %



MAT 1831

Dpa total (eV-barns)
Cross Section

18-Ar-38
-99.95 To 9999. %



73

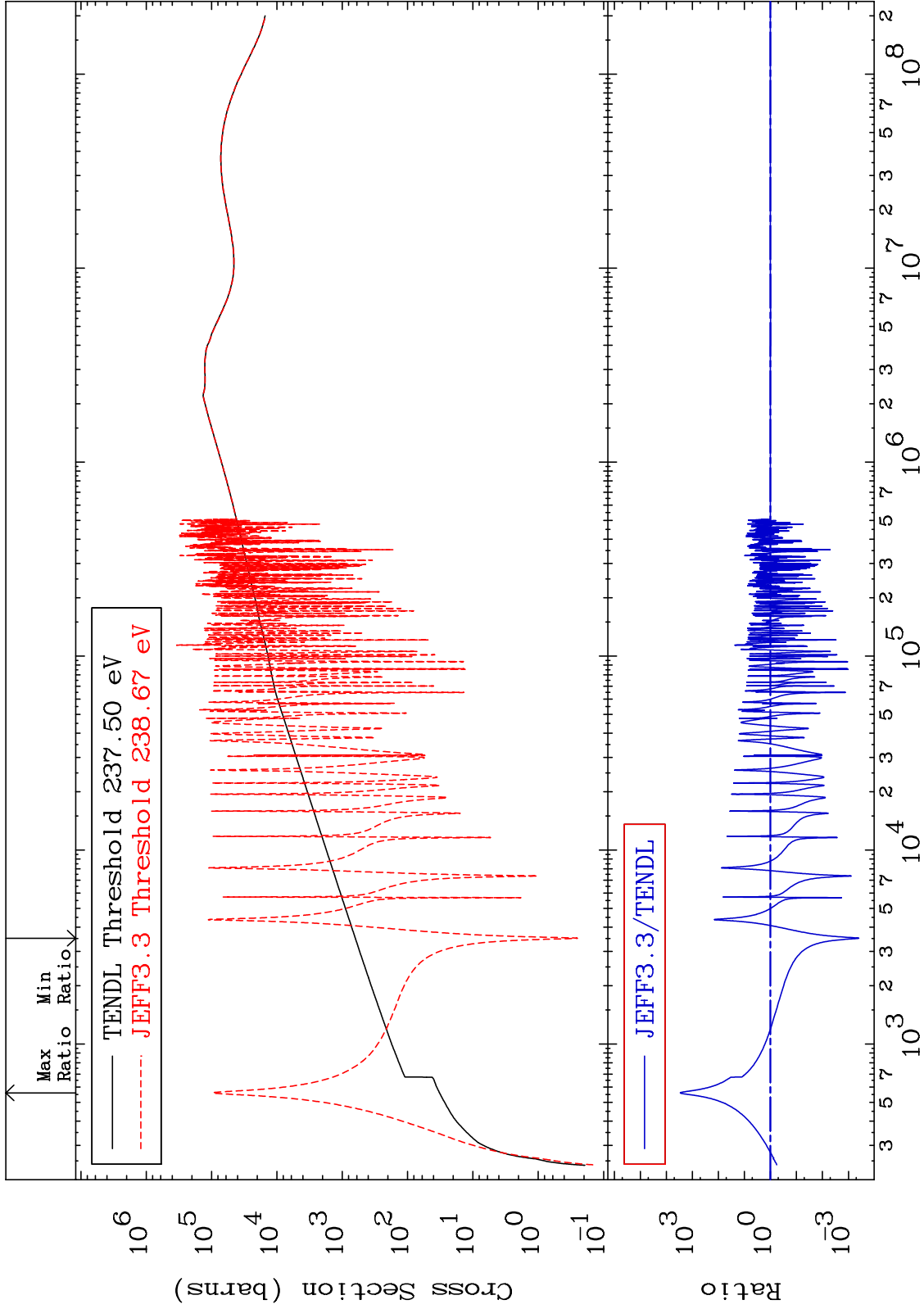
Incident Energy (eV)

18-Ar-38

MAT 1831

Dpa elastic (mt2)
Cross Section

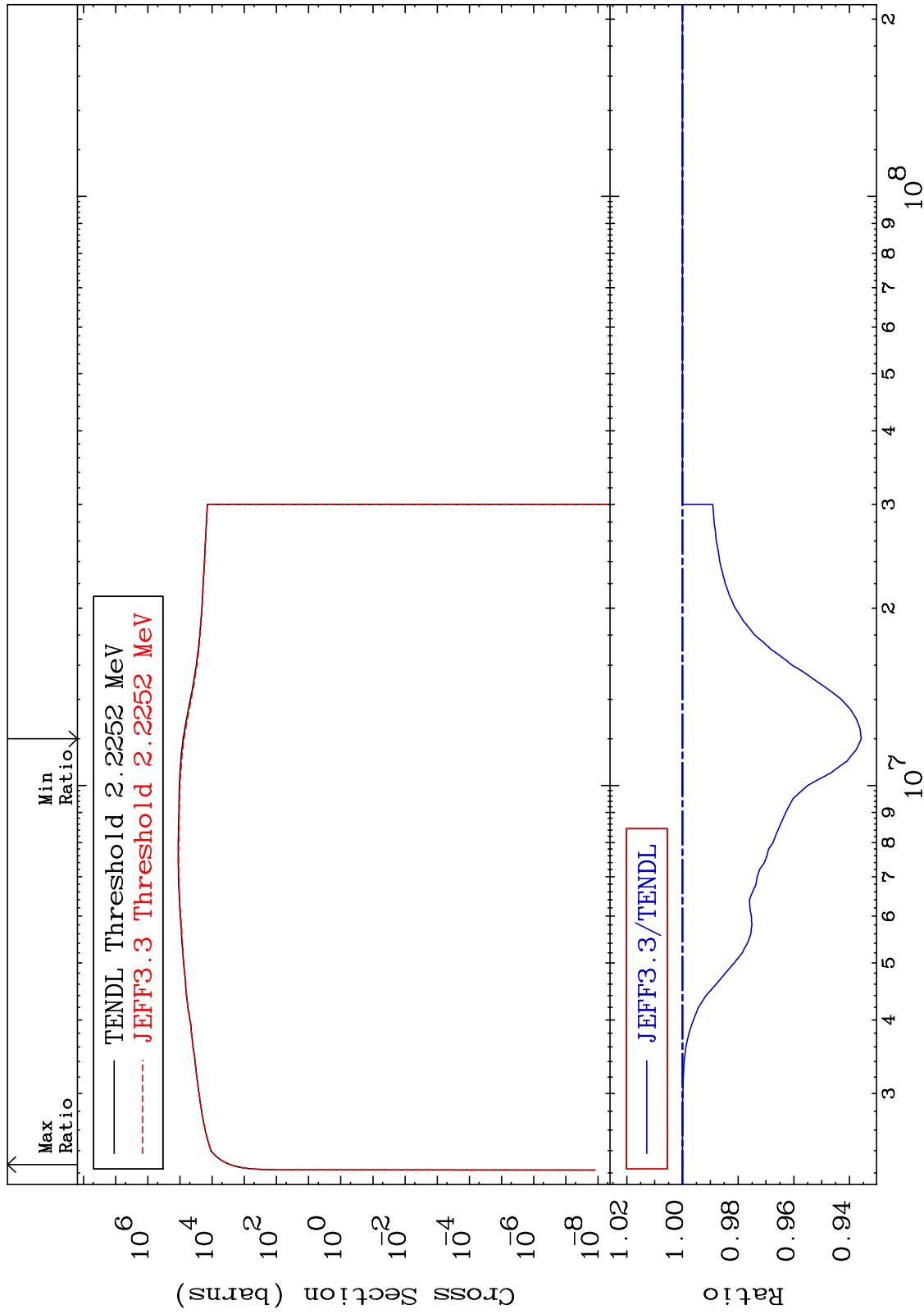
18-Ar-38
-99.96 To 9999. %



MAT 1831

Dpa inelastic (mt51-91)
Cross Section

18-Ar-38
-6.424 To 0.000 %



75

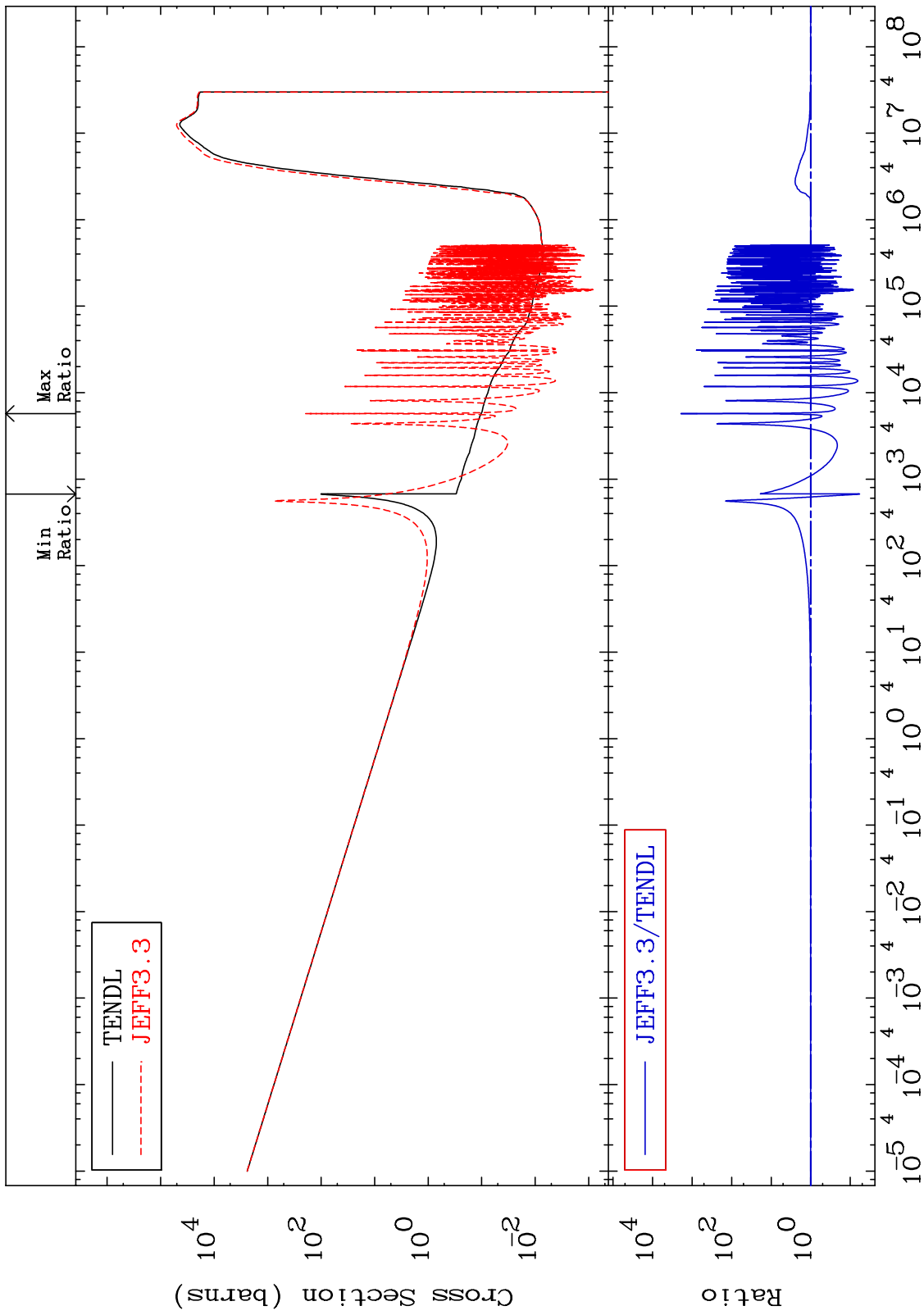
Incident Energy (eV)

18-Ar-38

MAT 1831

Dpa disappearance (mt102 -120)
Cross Section

18-Ar-38
-94.21 To 9999. %



76

Incident Energy (eV)

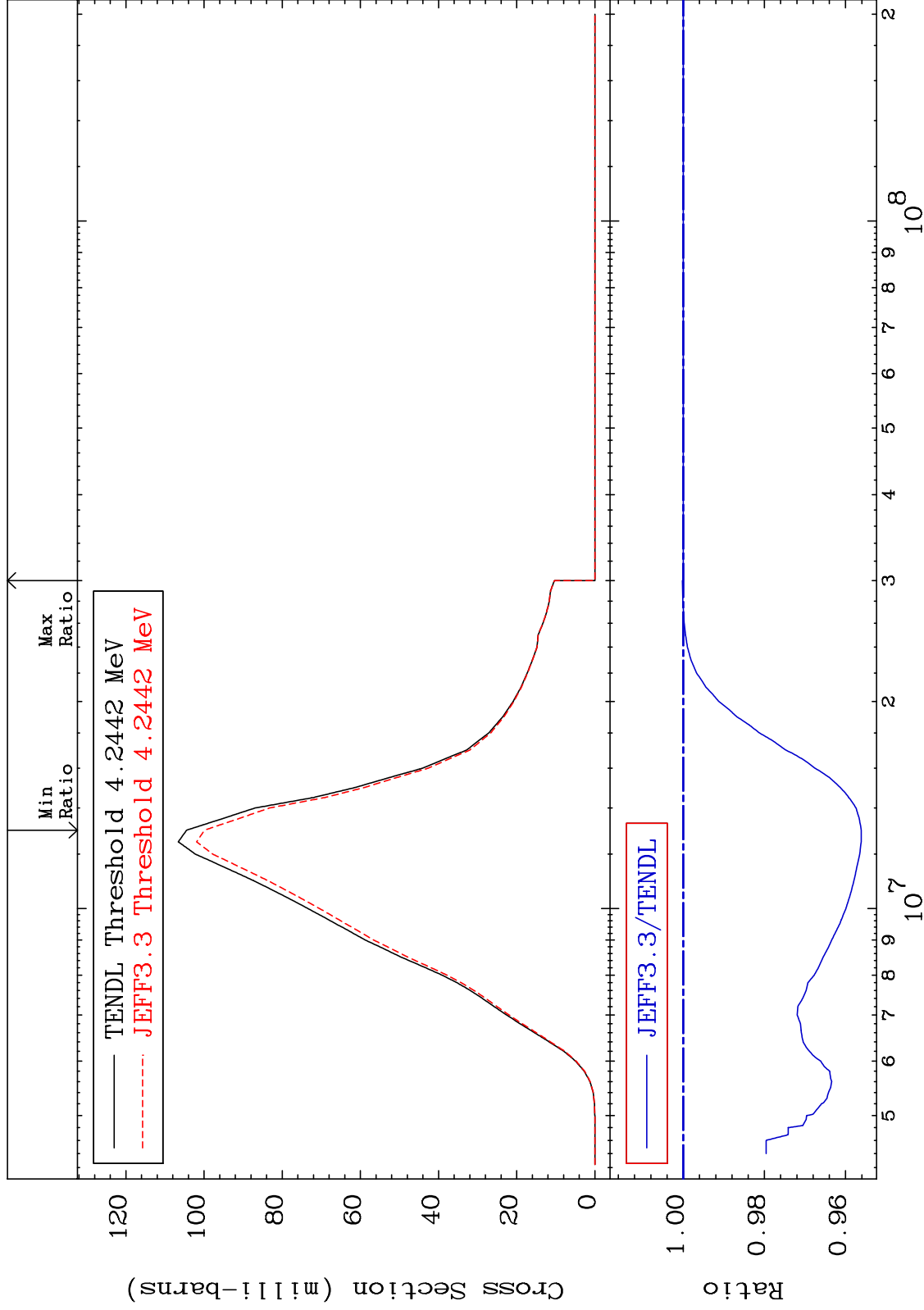
18-Ar-38

MAT 1831

(n,p):17-Cl-38g

18-Ar-38

Radionuclide Production Cross Section -4.387 To 0.020 %

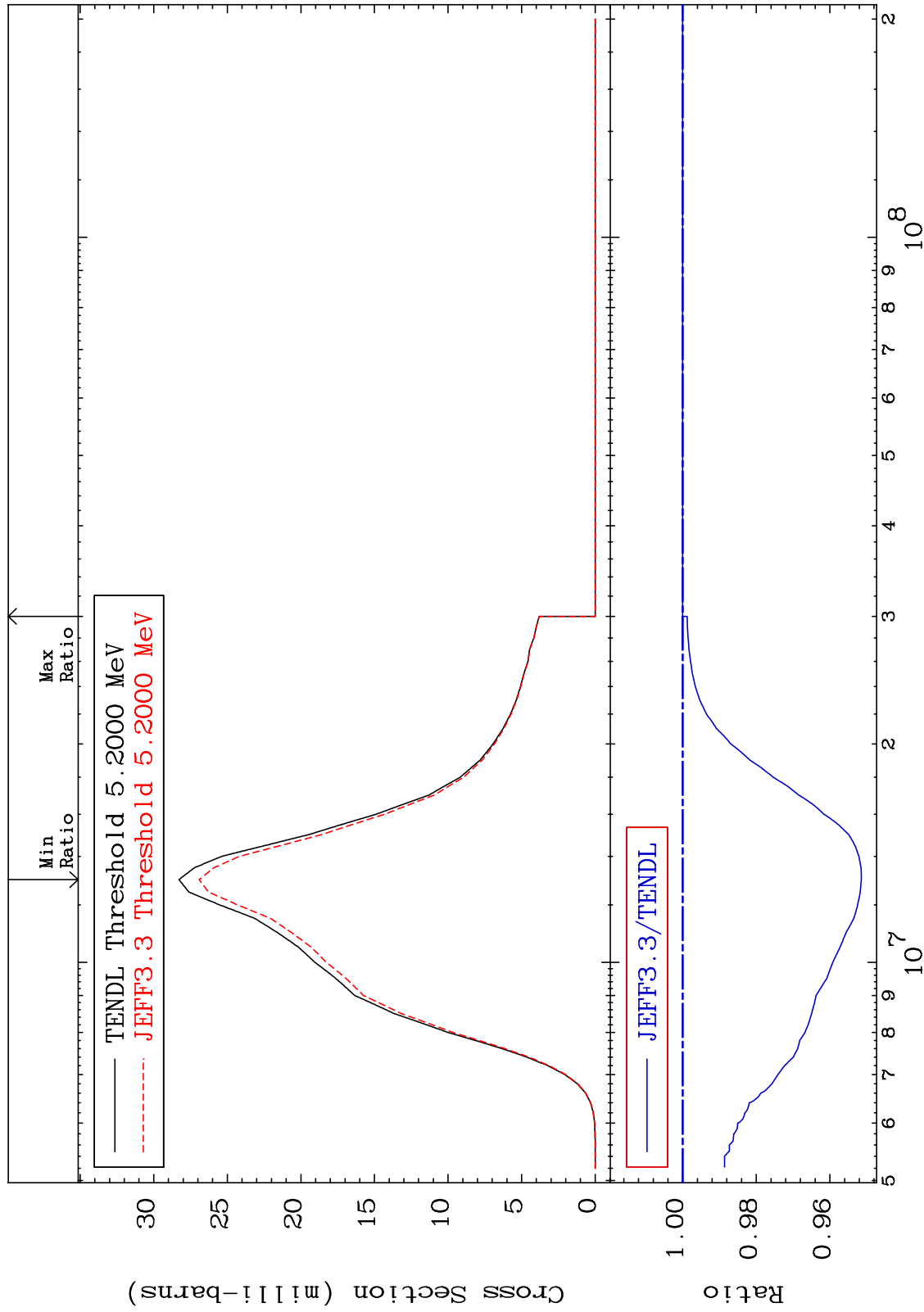


MAT 1831

(n,p):17-Cl-38m1

18-Ar-38

Radionuclide Production Cross Section -4.855 To 0.000 %



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Incident Energy (eV)

18-Ar-38