

Program Complot
(Version 2018-1)

by

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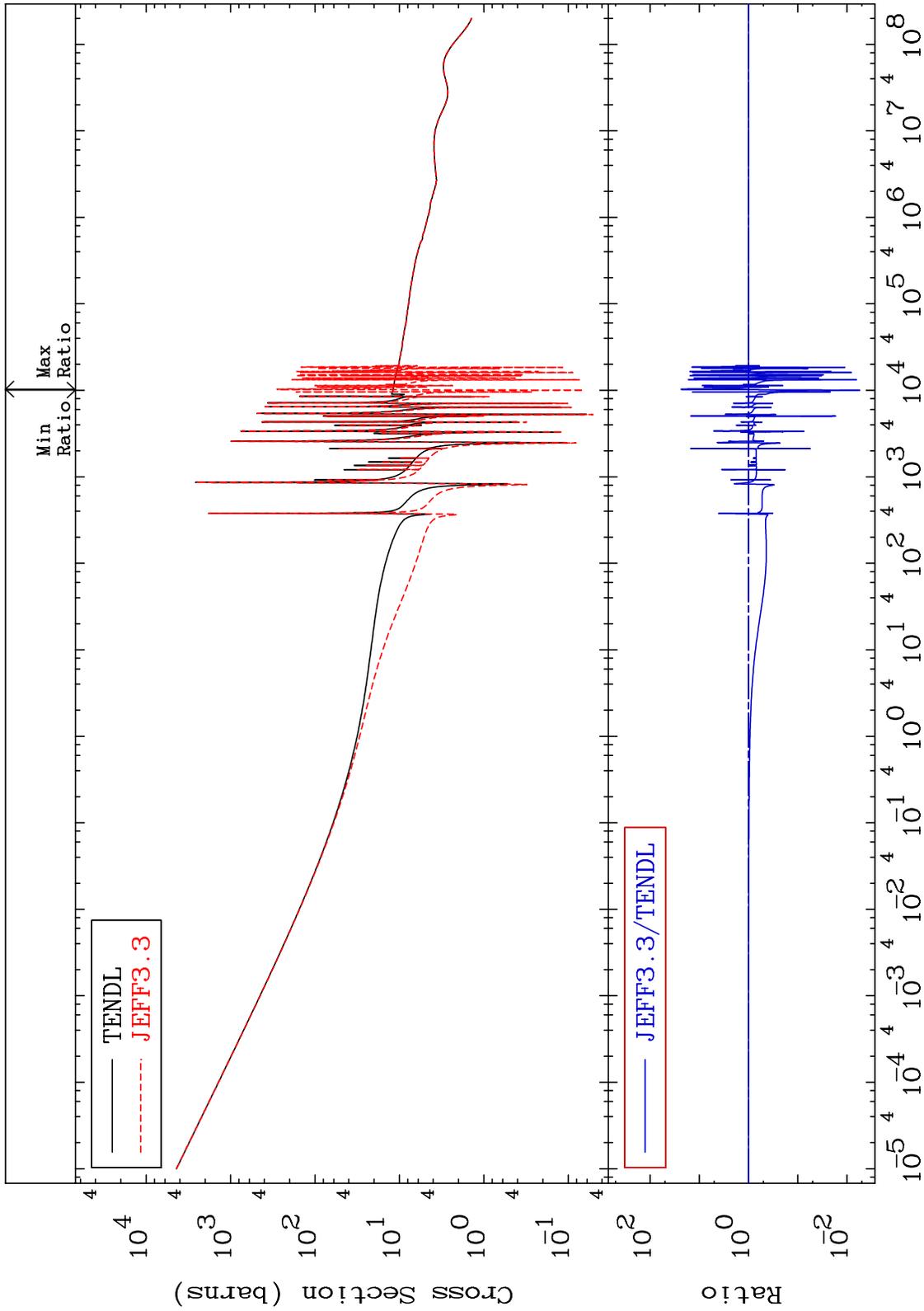
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3431

Total
Cross Section

34-Se-76
-99.45 To 2275. %



1

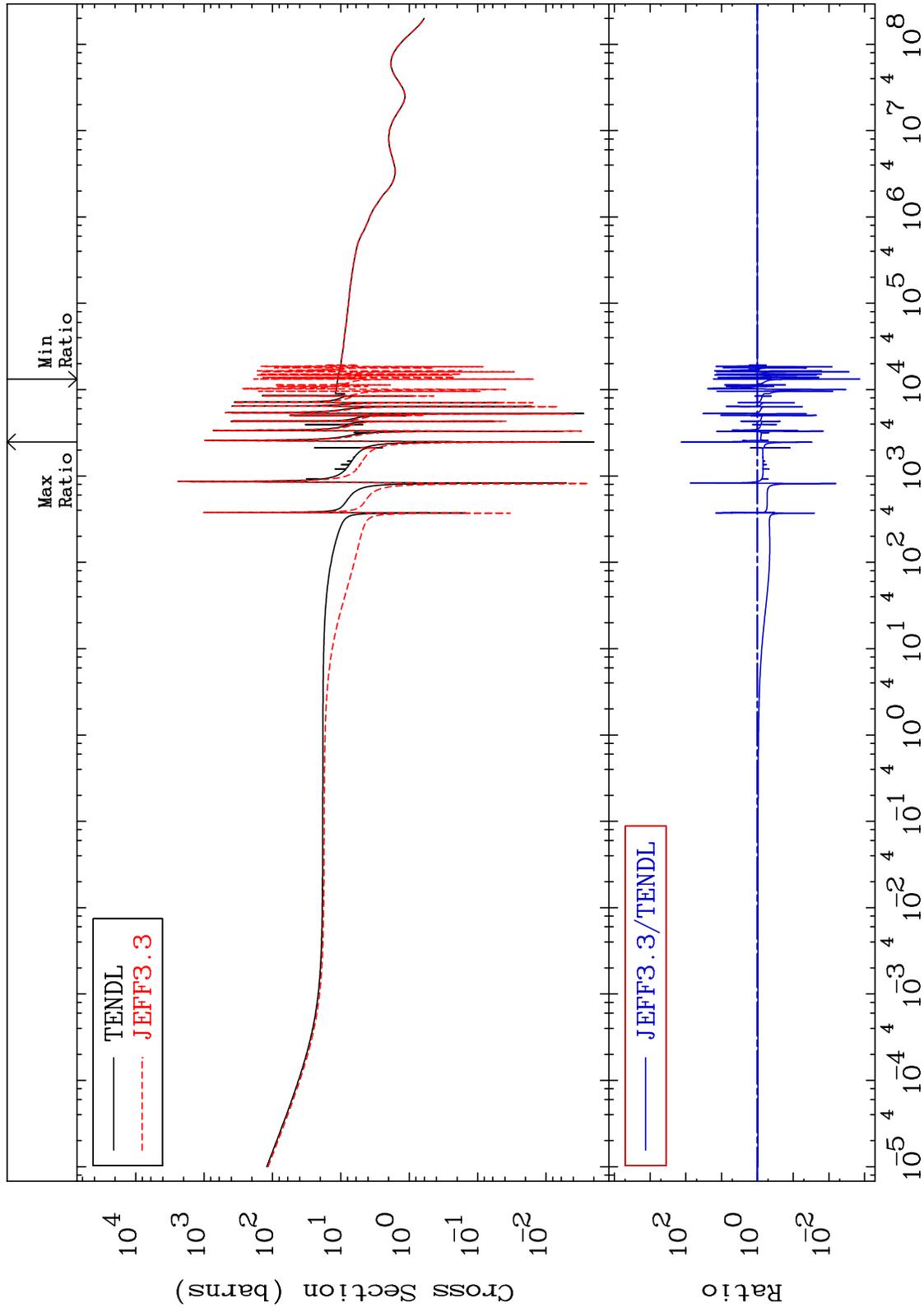
Incident Energy (eV)

34-Se-76

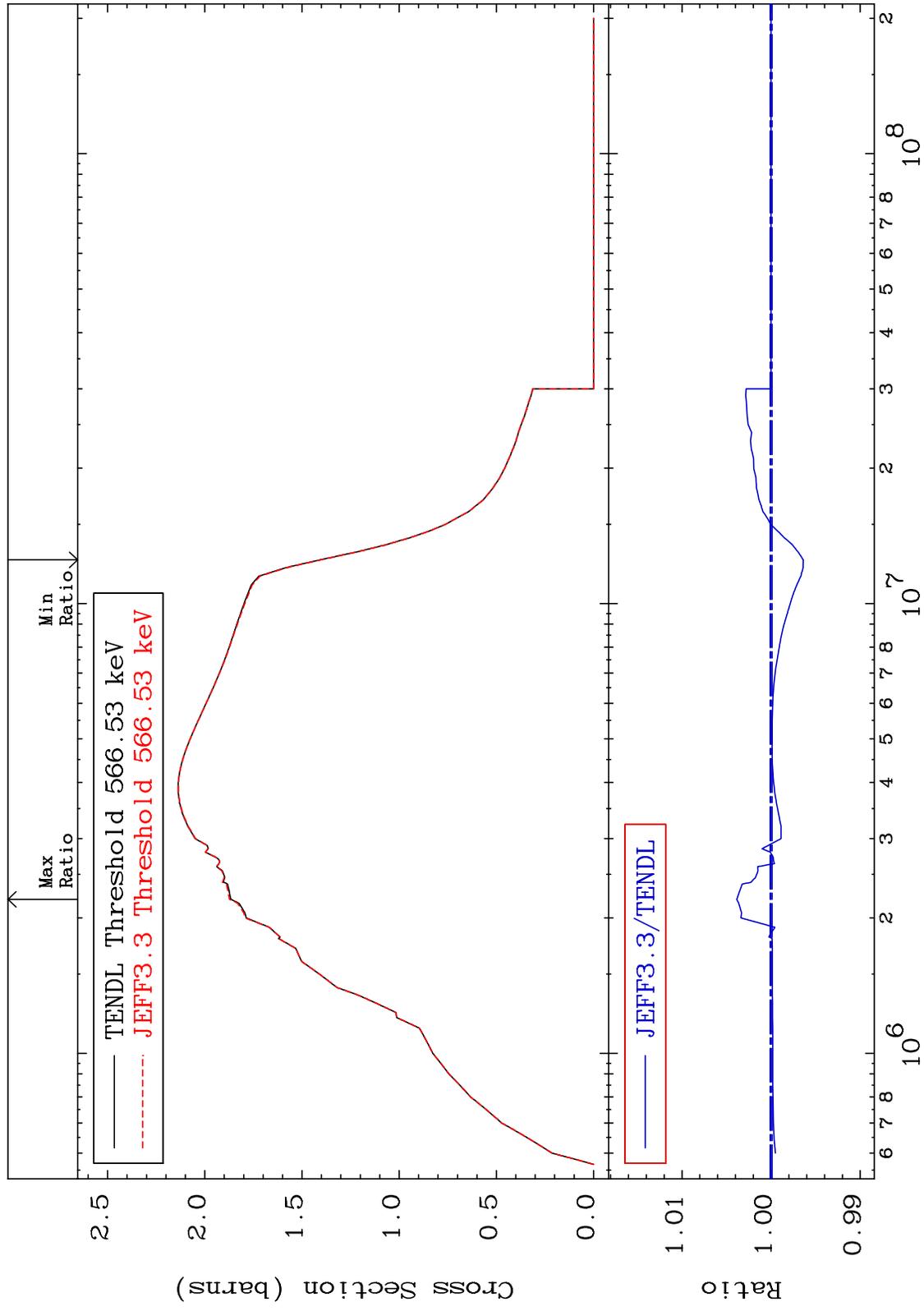
MAT 3431

Elastic
Cross Section

34-Se-76
-99.86 To 9999. %

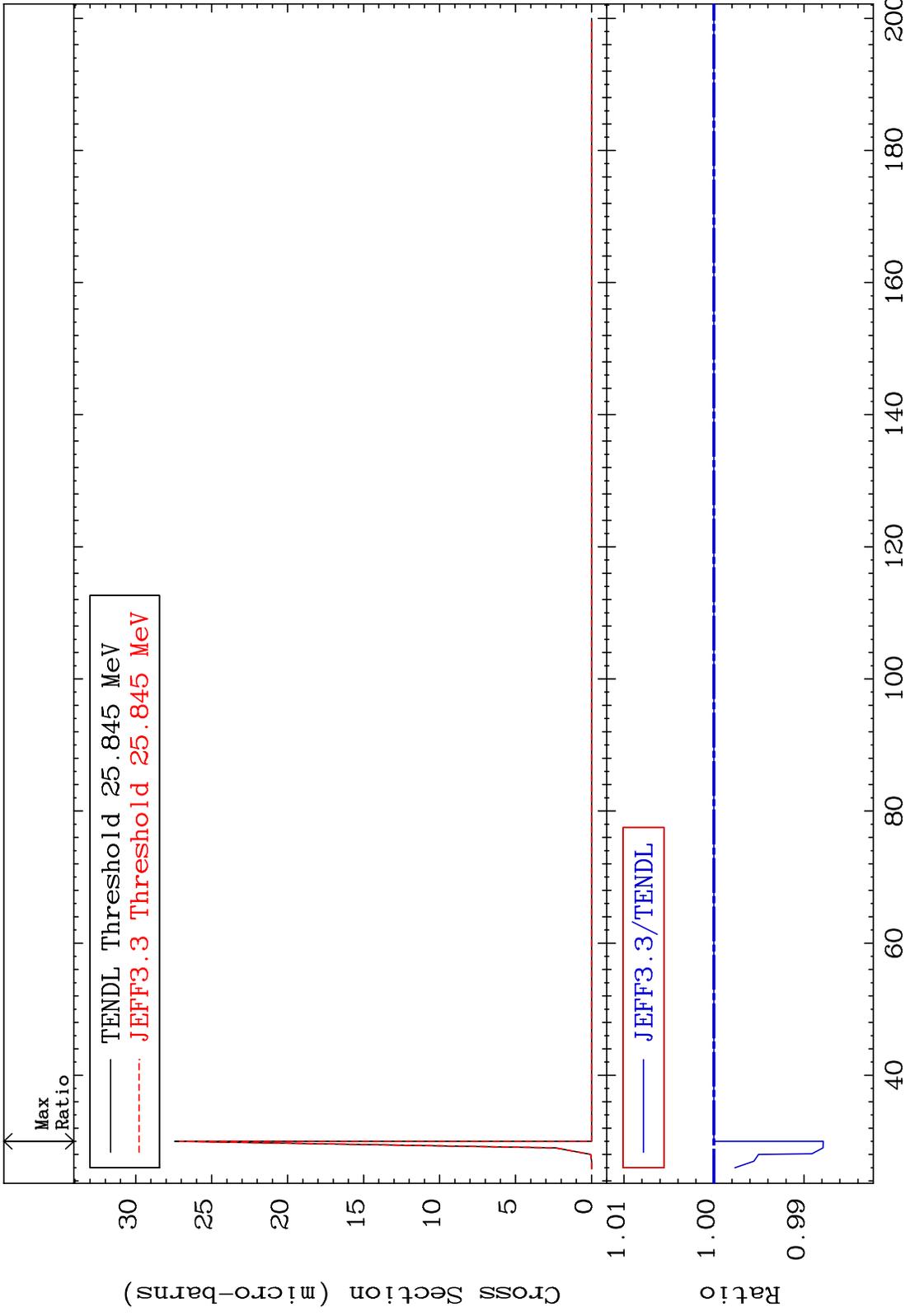


MAT 3431 Inelastic Cross Section 34-Se-76 -0.360 To 0.385 %



3 34-Se-76

MAT 3431 (n,2n) d 34-Se-76
Cross Section -1.215 To 0.000 %



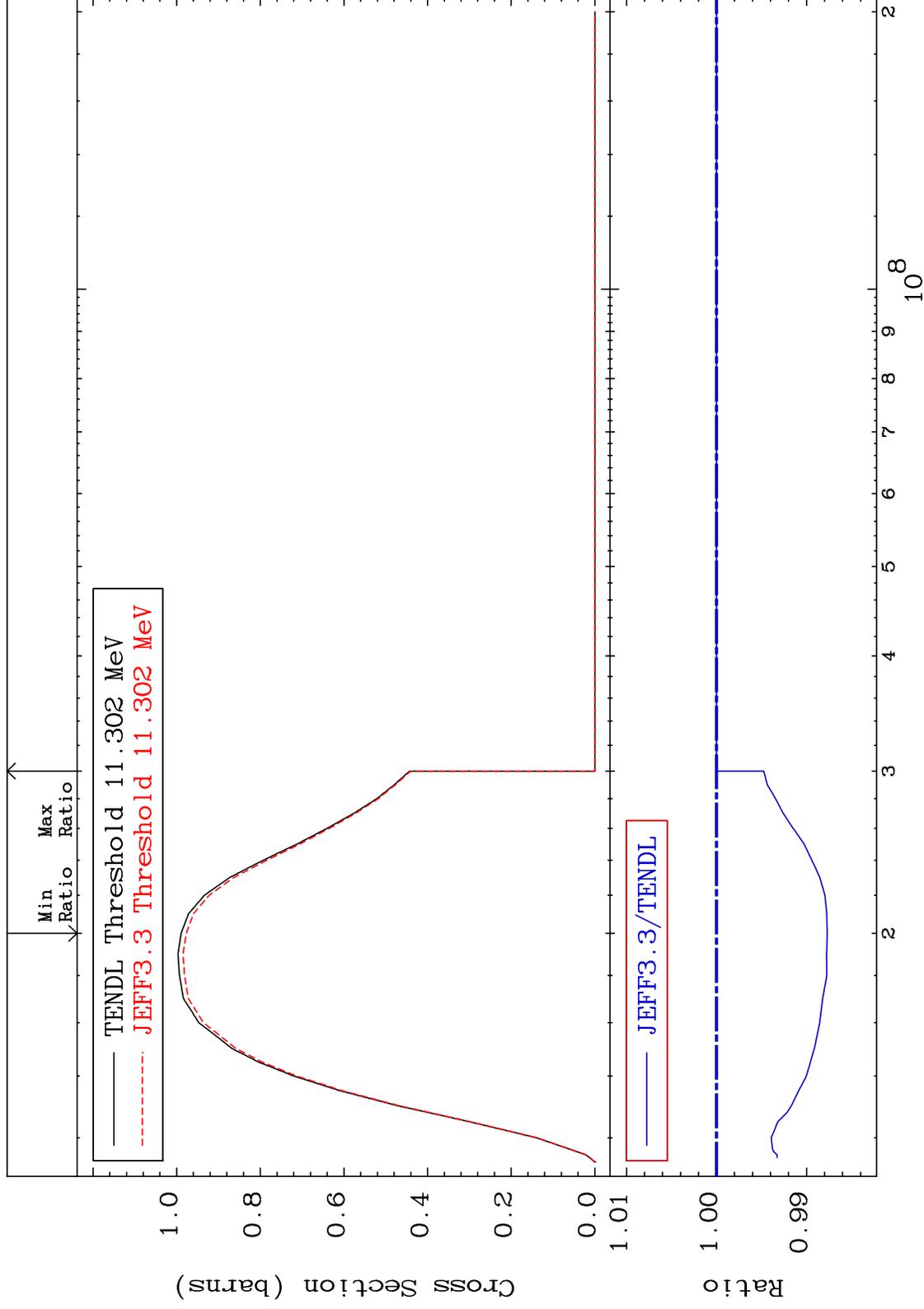
MAT 3431

(n,2n)

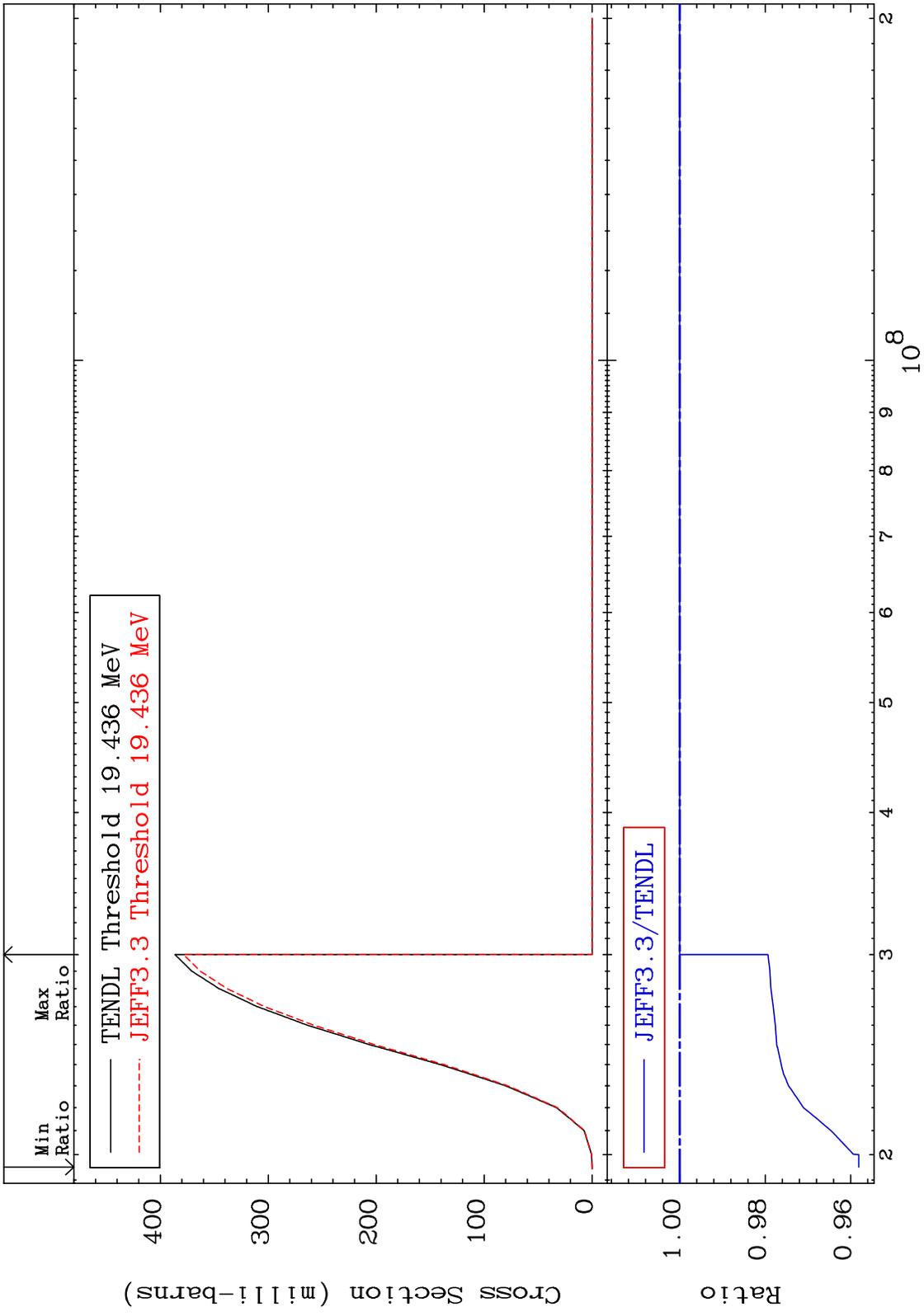
³⁴Se-76

Cross Section

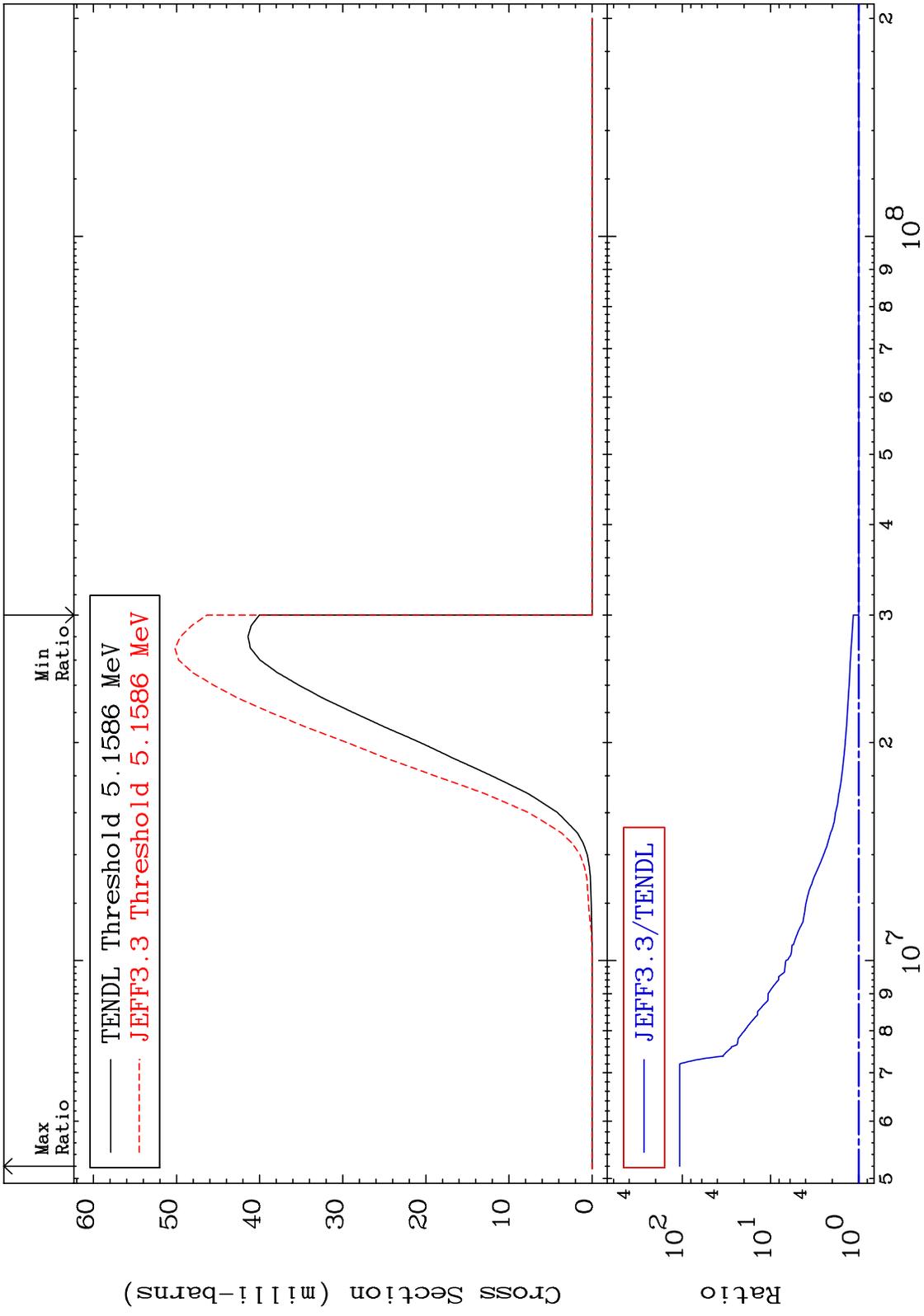
-1.230 To 0.000 %



MAT 3431 $(n, 3n)$ $^{34}\text{Se-76}$
 Cross Section -4.192 To 0.000 %

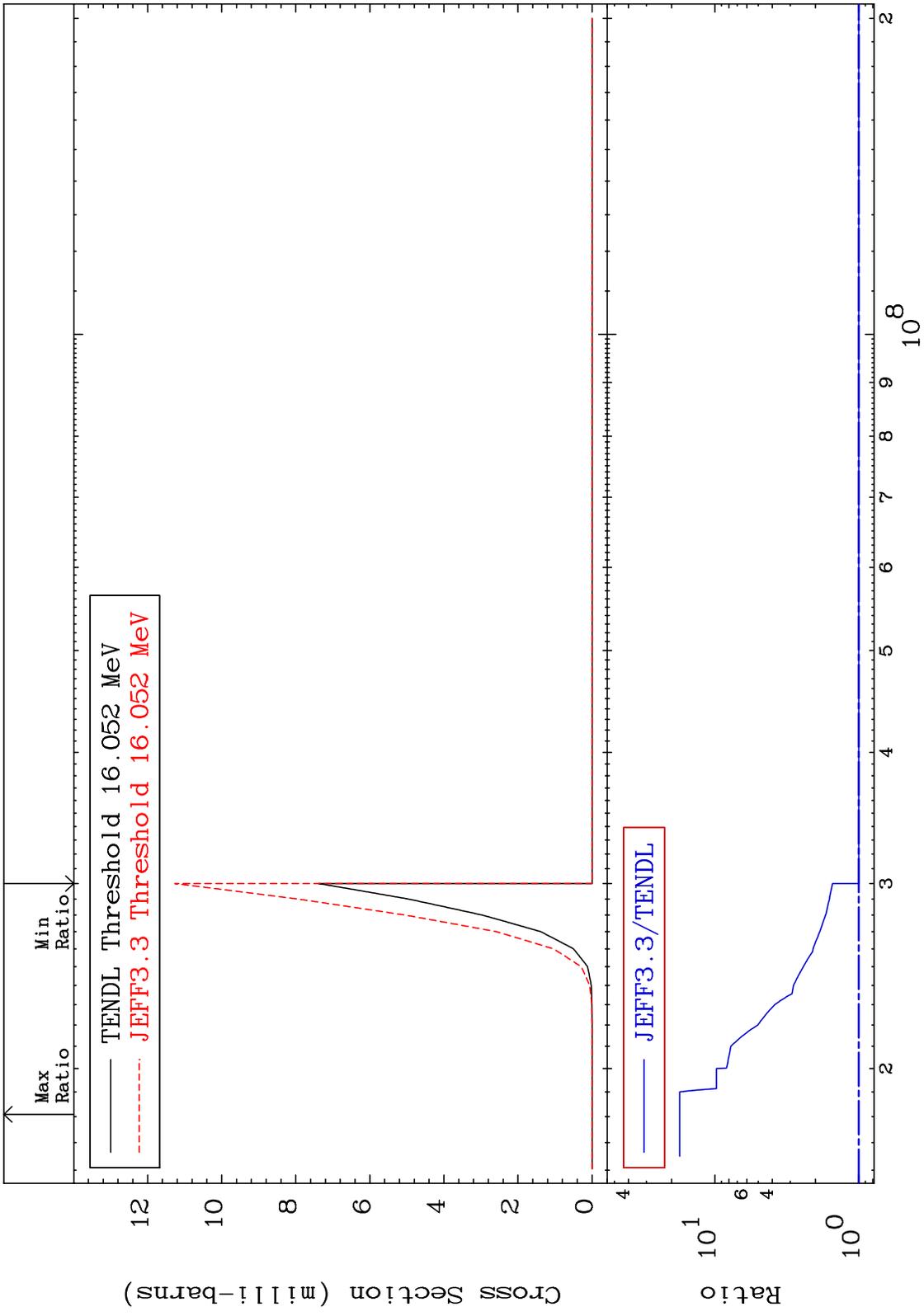


MAT 3431 $(n, n') \alpha$ 34-Se-76
 Cross Section 0.000 To 9999. %



7 34-Se-76 Incident Energy (eV)

MAT 3431 $(n, 2n) \alpha$ $^{34}\text{Se-76}$
 Cross Section 0.000 To 1657. %



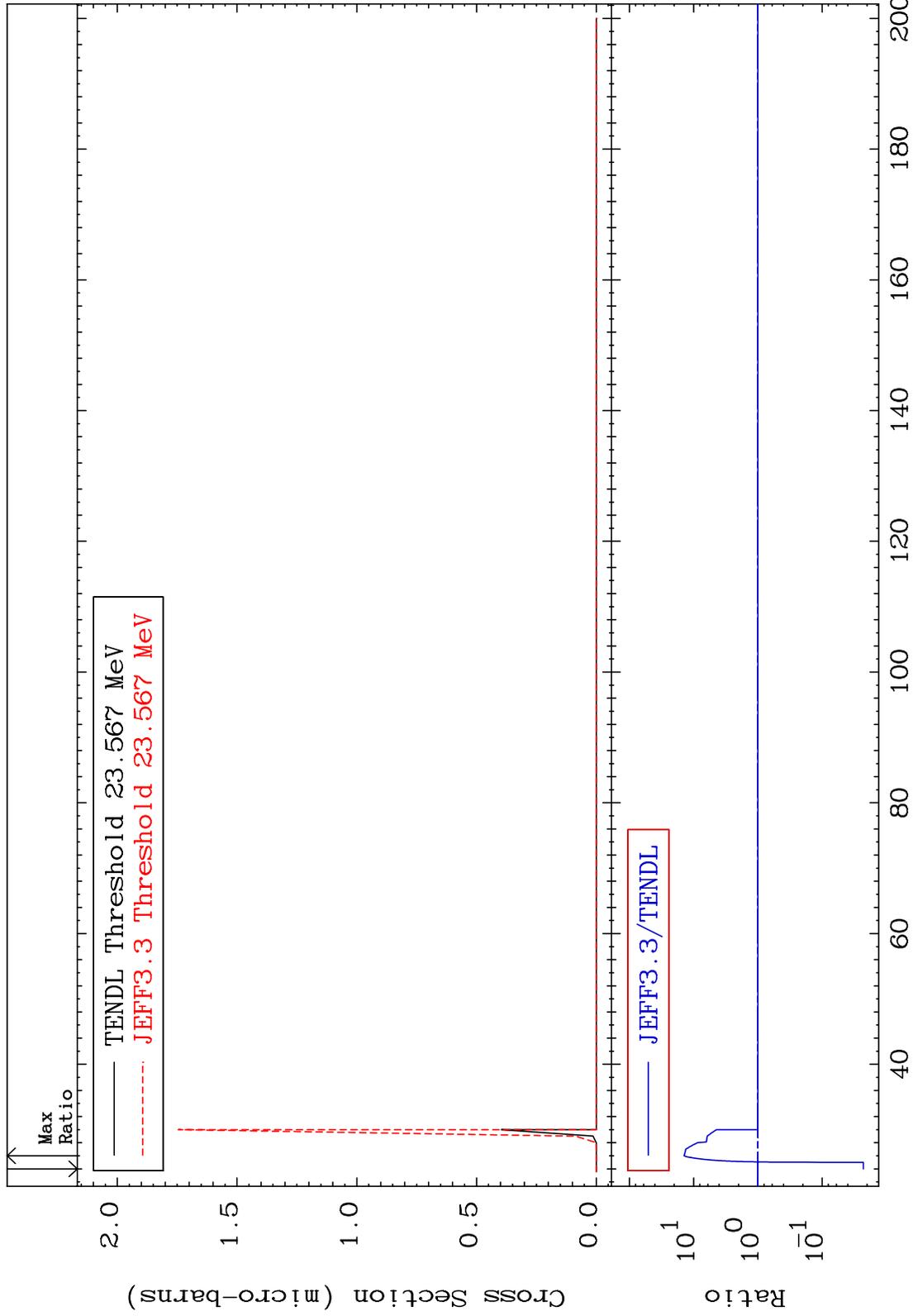
MAT 3431

(n,3n) α

³⁴Se-76

Cross Section

-97.72 To 1306. %



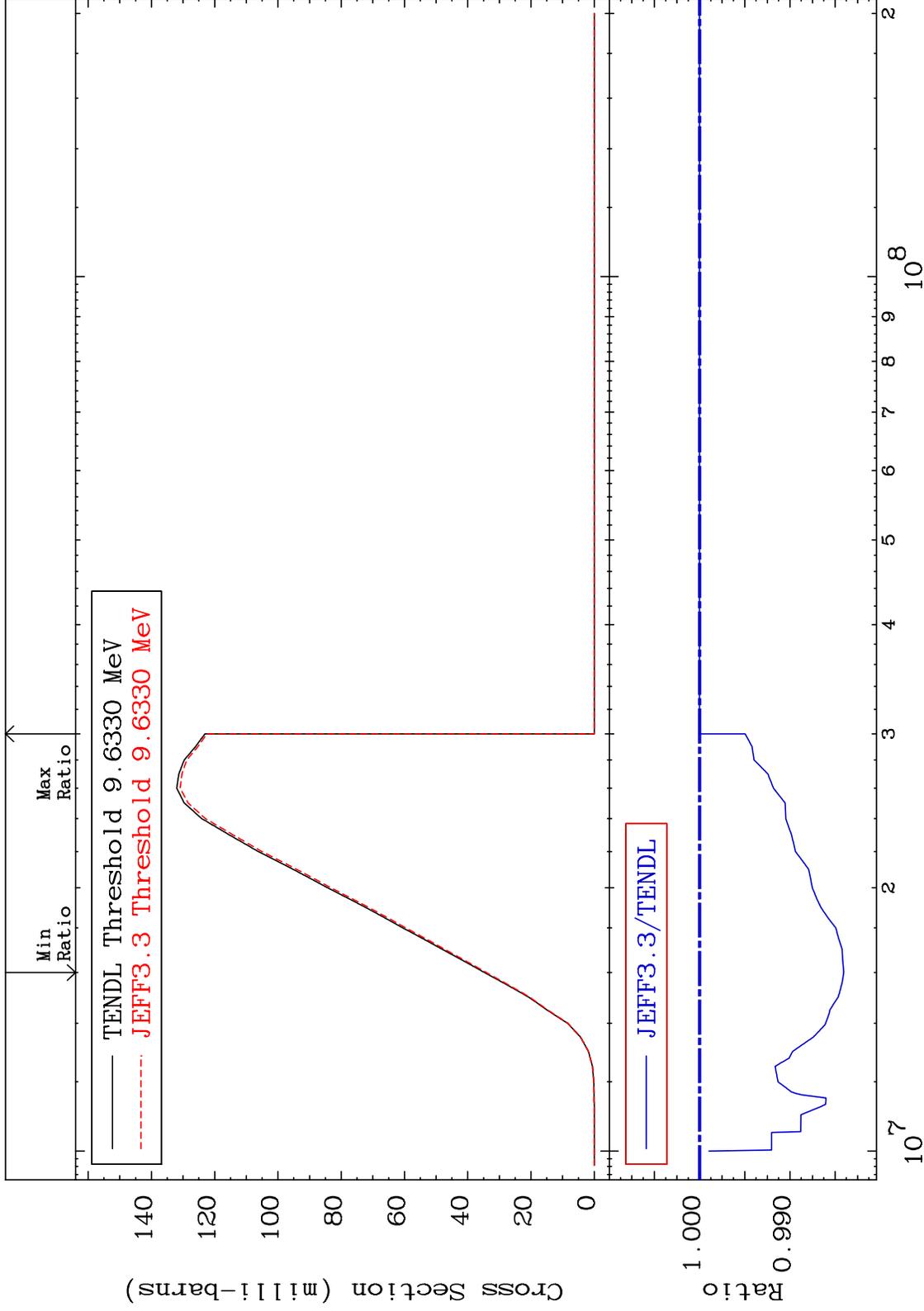
MAT 3431

(n, n') p

³⁴Se-76

-1.595 To 0.000 %

Cross Section



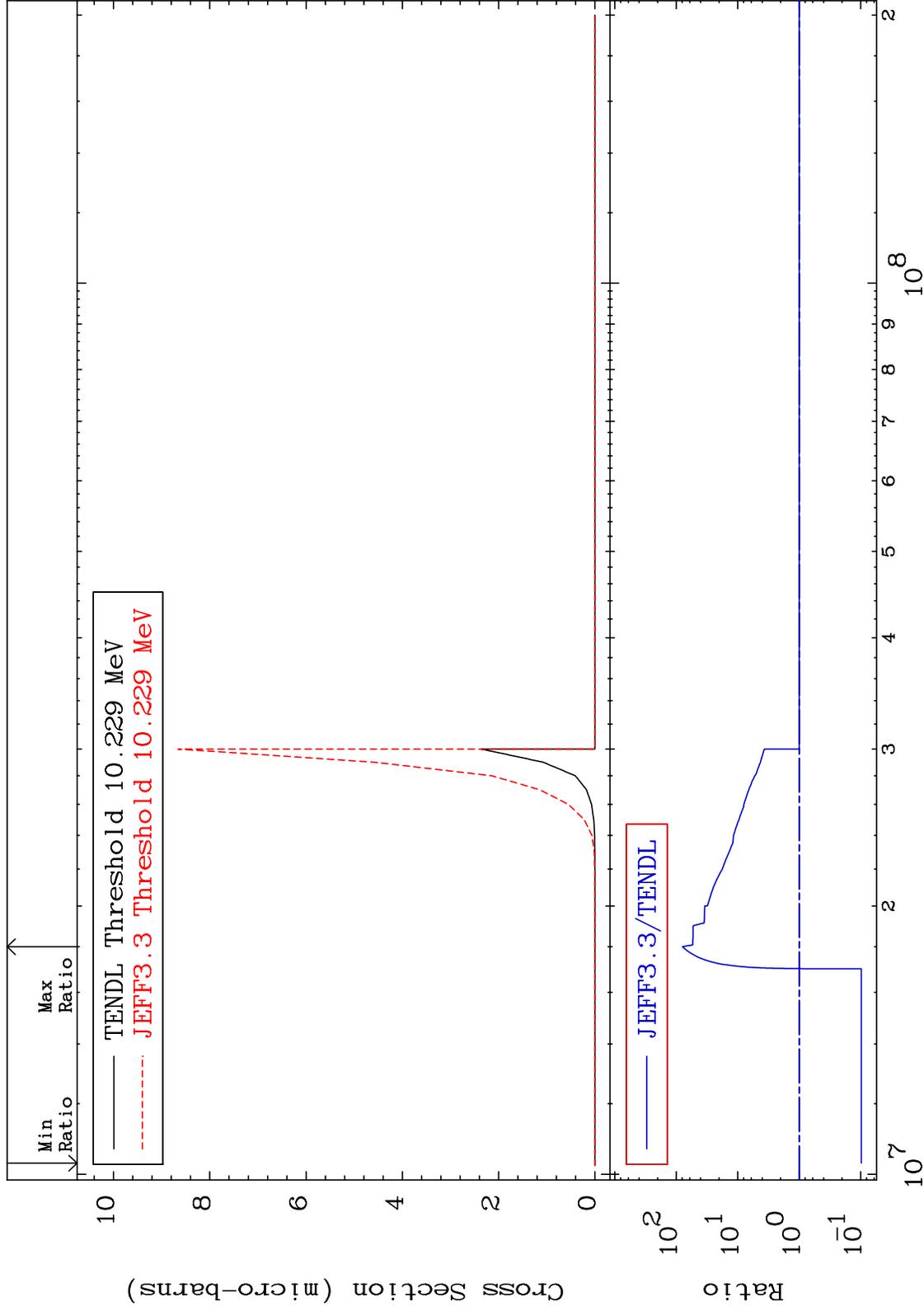
Incident Energy (eV)

³⁴Se-76

MAT 3431

(n,n') 2 α
Cross Section

³⁴Se-76
-90.27 To 7807. %

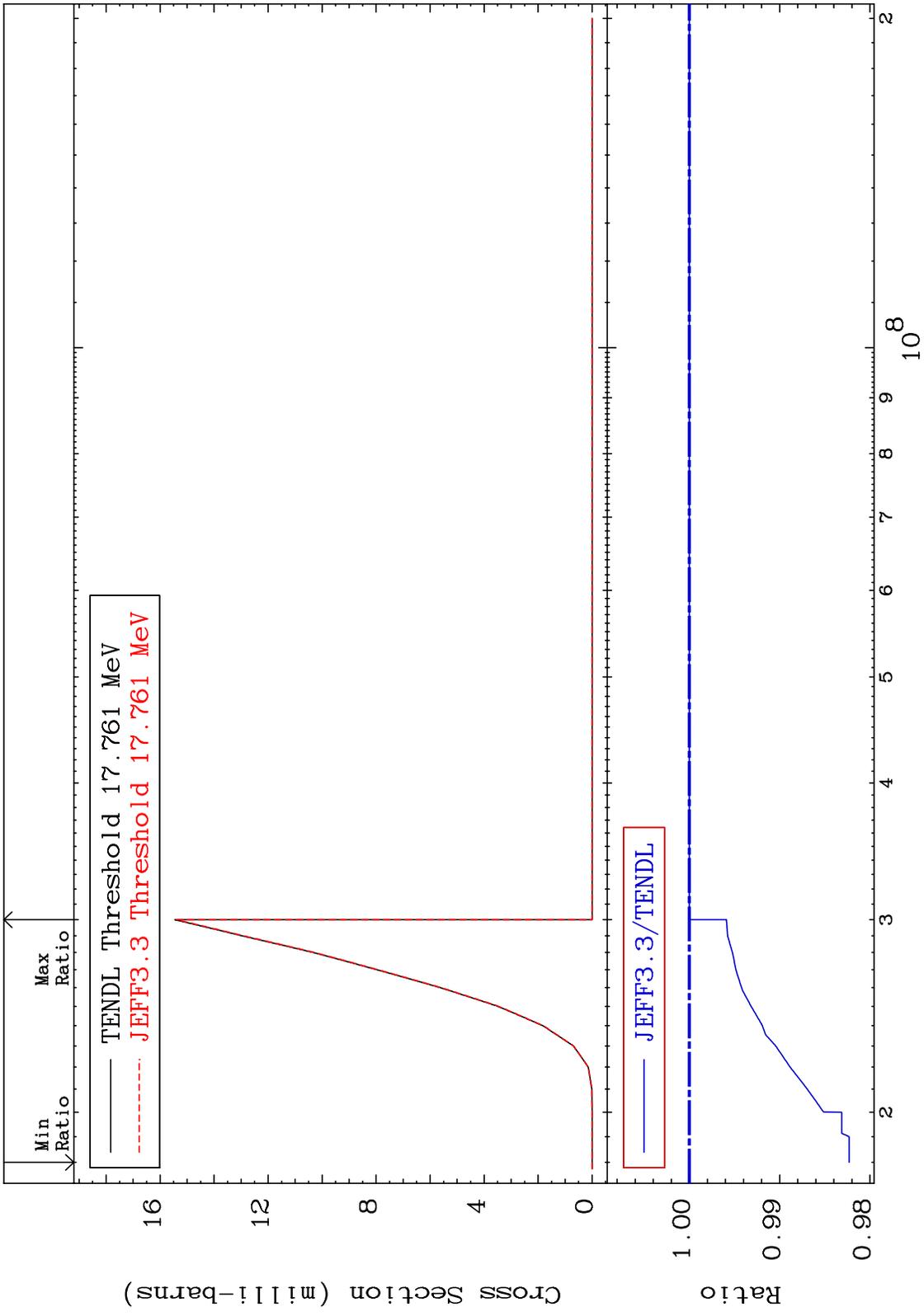


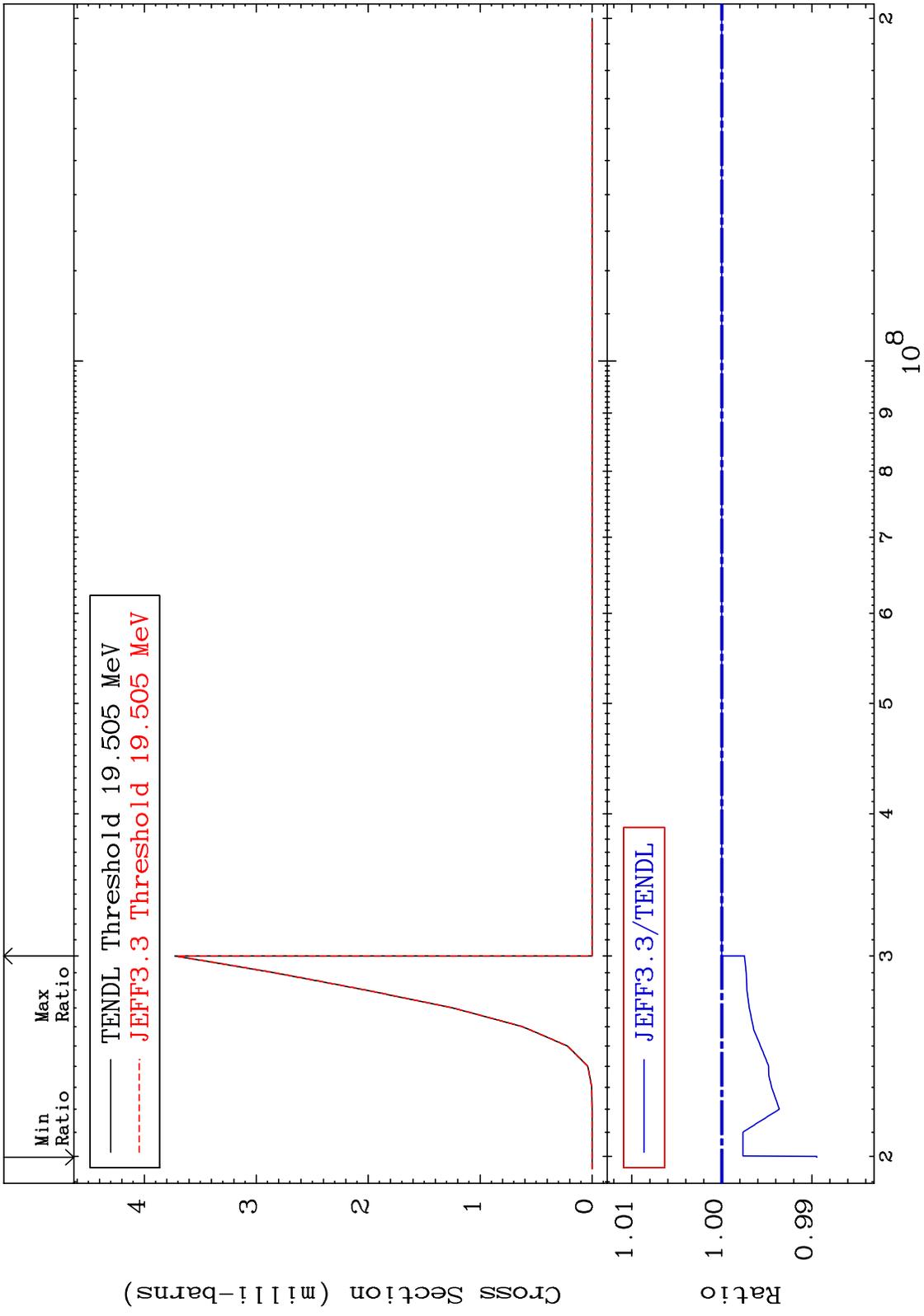
11

Incident Energy (eV)

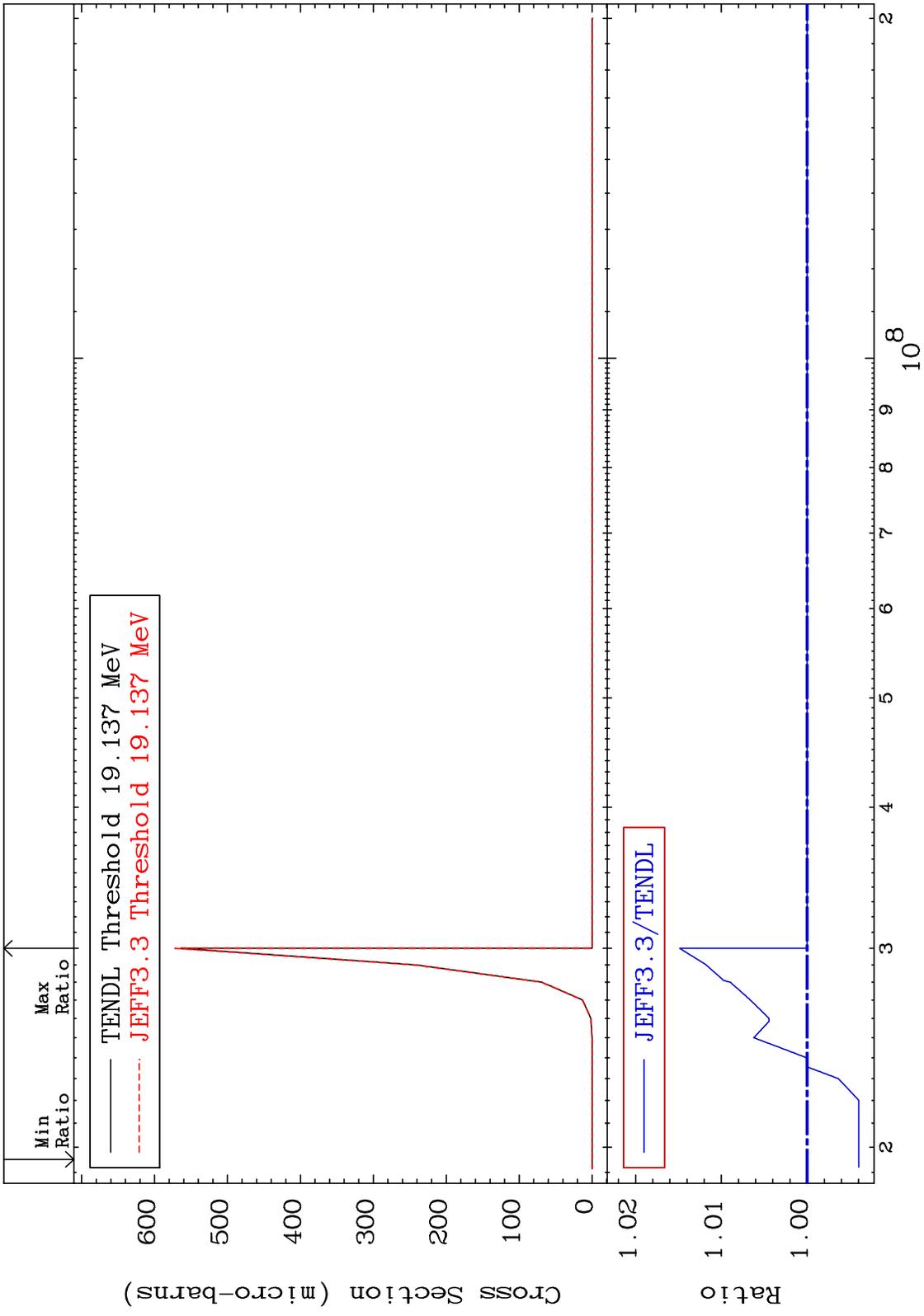
³⁴Se-76

MAT 3431 (n, n') d $^{34}\text{Se-76}$
 Cross Section -1.770 To 0.000 %



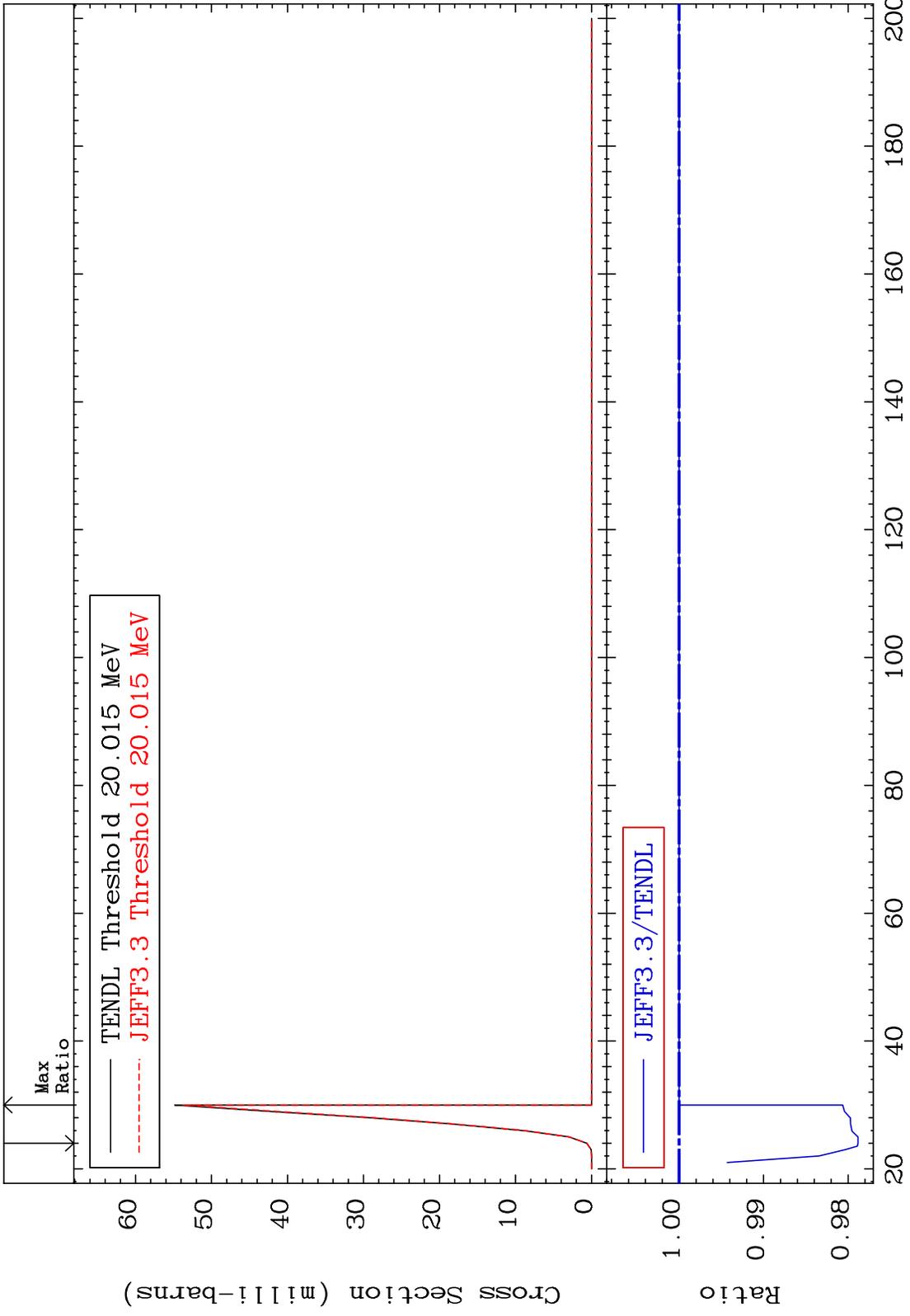


MAT 3431 (n, n') He-3 34-Se-76
 Cross Section -0.602 To 1.485 %

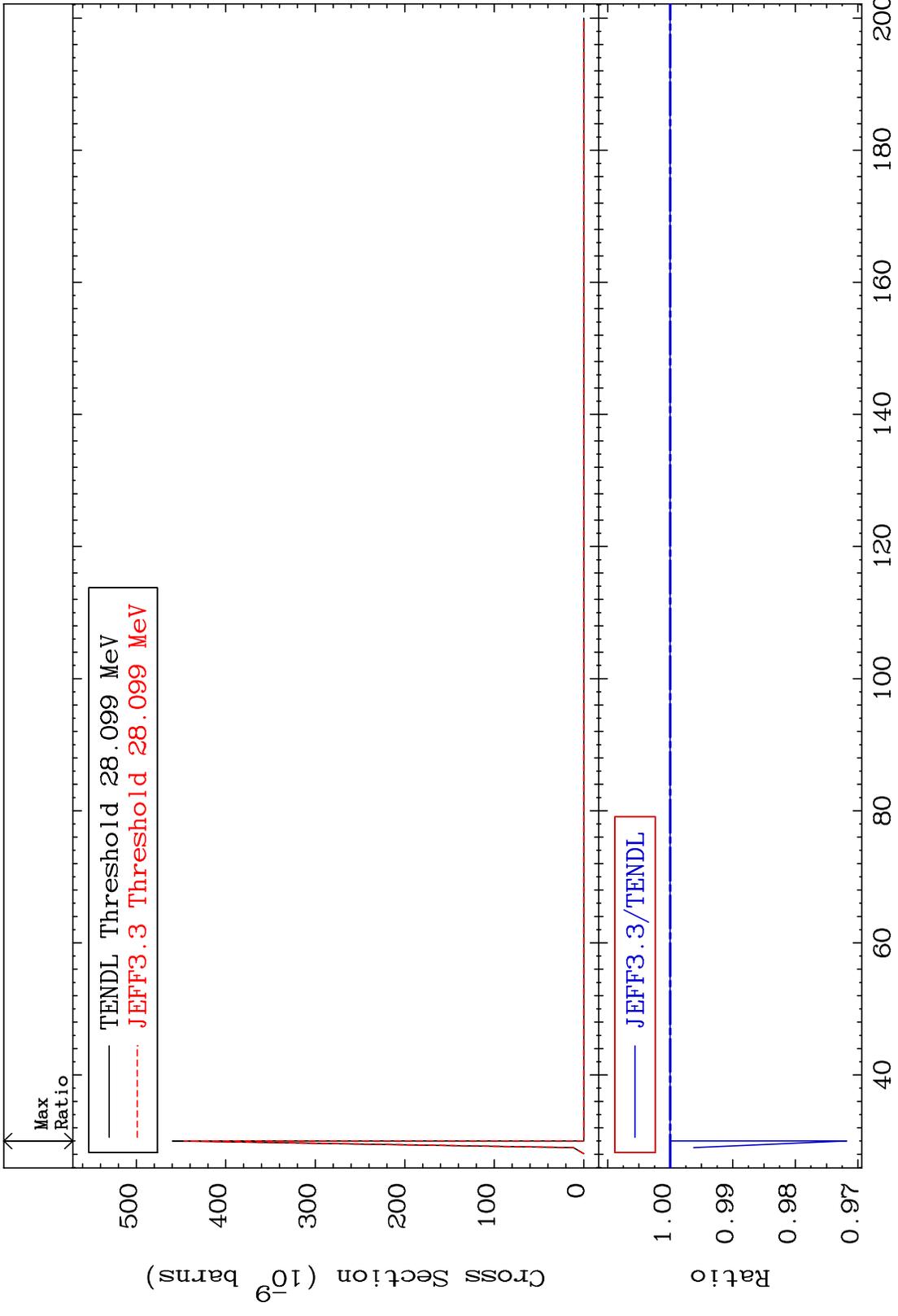


34-Se-76

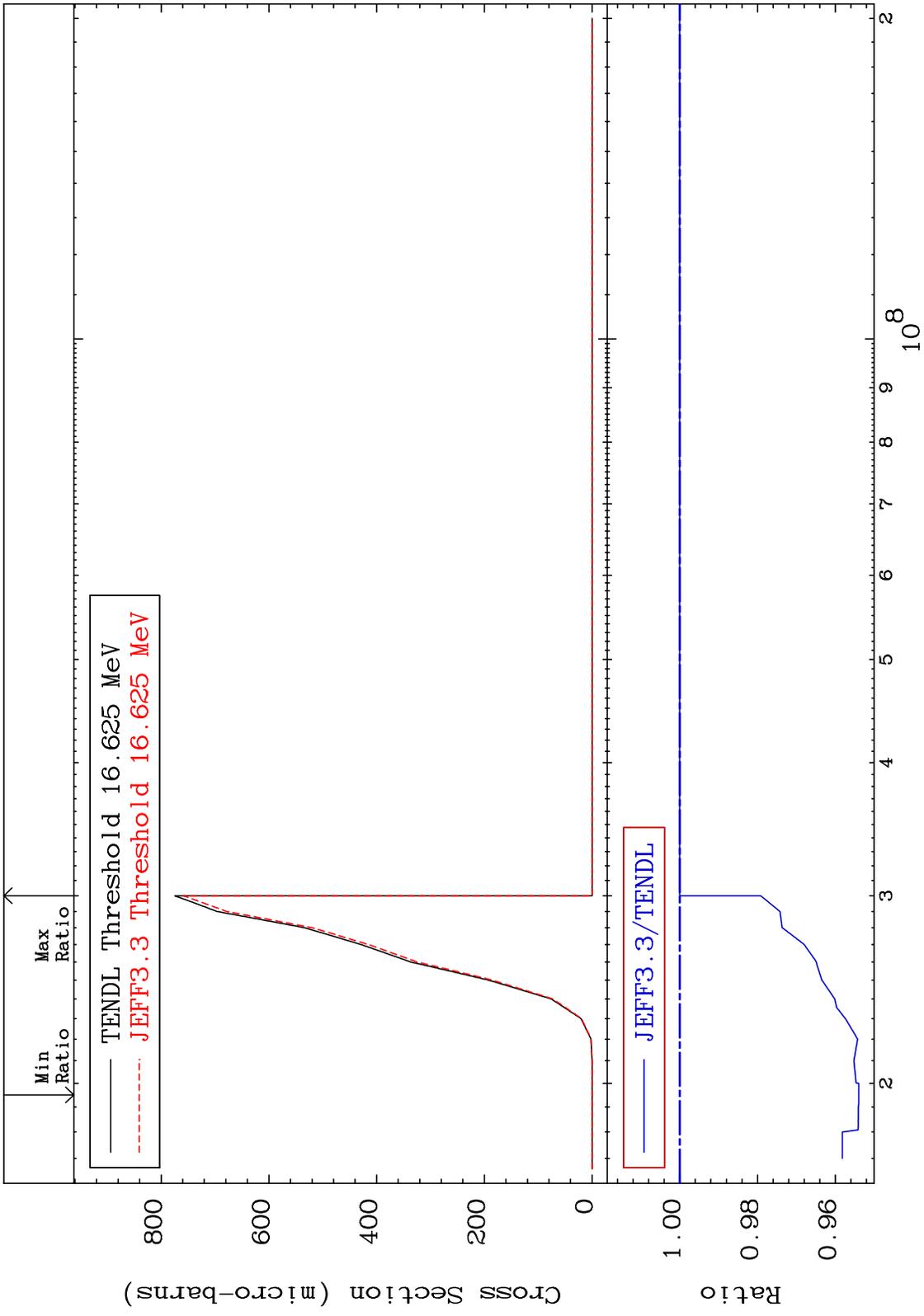
MAT 3431 (n,2n) p 34-Se-76
 Cross Section -2.118 To 0.000 %



MAT 3431 (n,3n) p 34-Se-76
 Cross Section -2.823 To 0.000 %

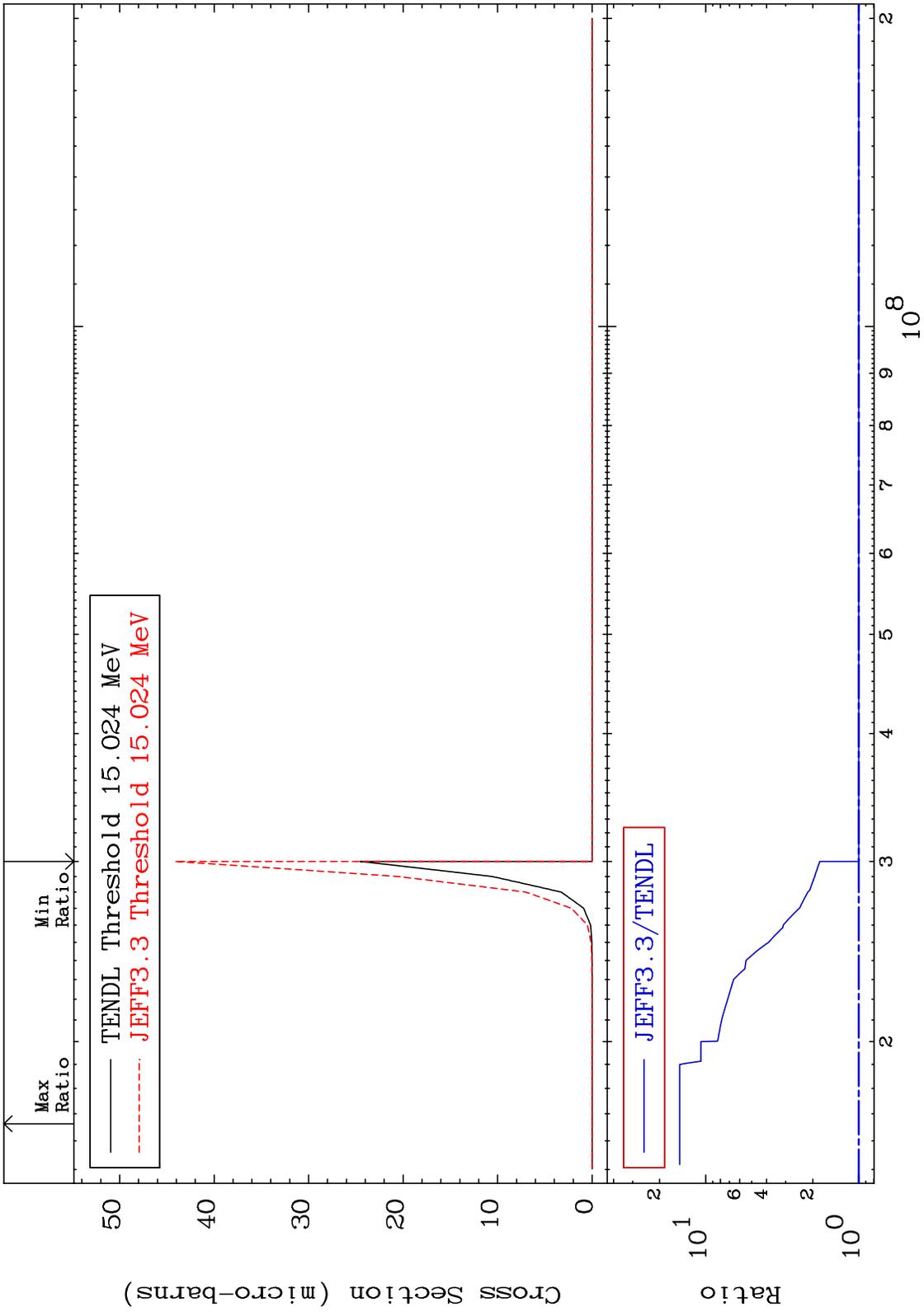


MAT 3431 (n,2n) p 34-Se-76
Cross Section -4.603 To 0.000 %



34-Se-76

MAT 3431 (n, n') p α $^{34}\text{Se-76}$
Cross Section To 1377. %

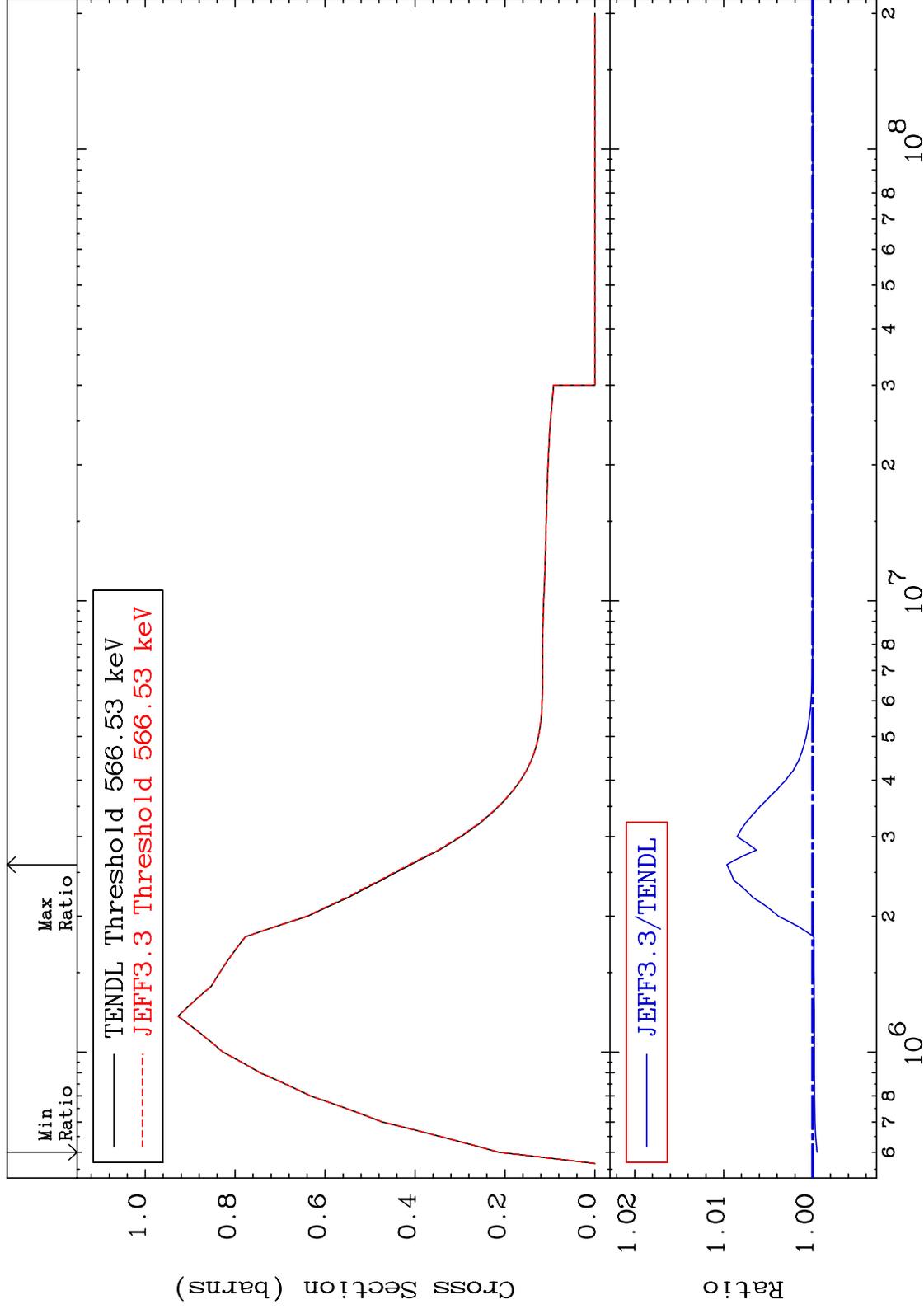


$^{34}\text{Se-76}$

MAT 3431

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

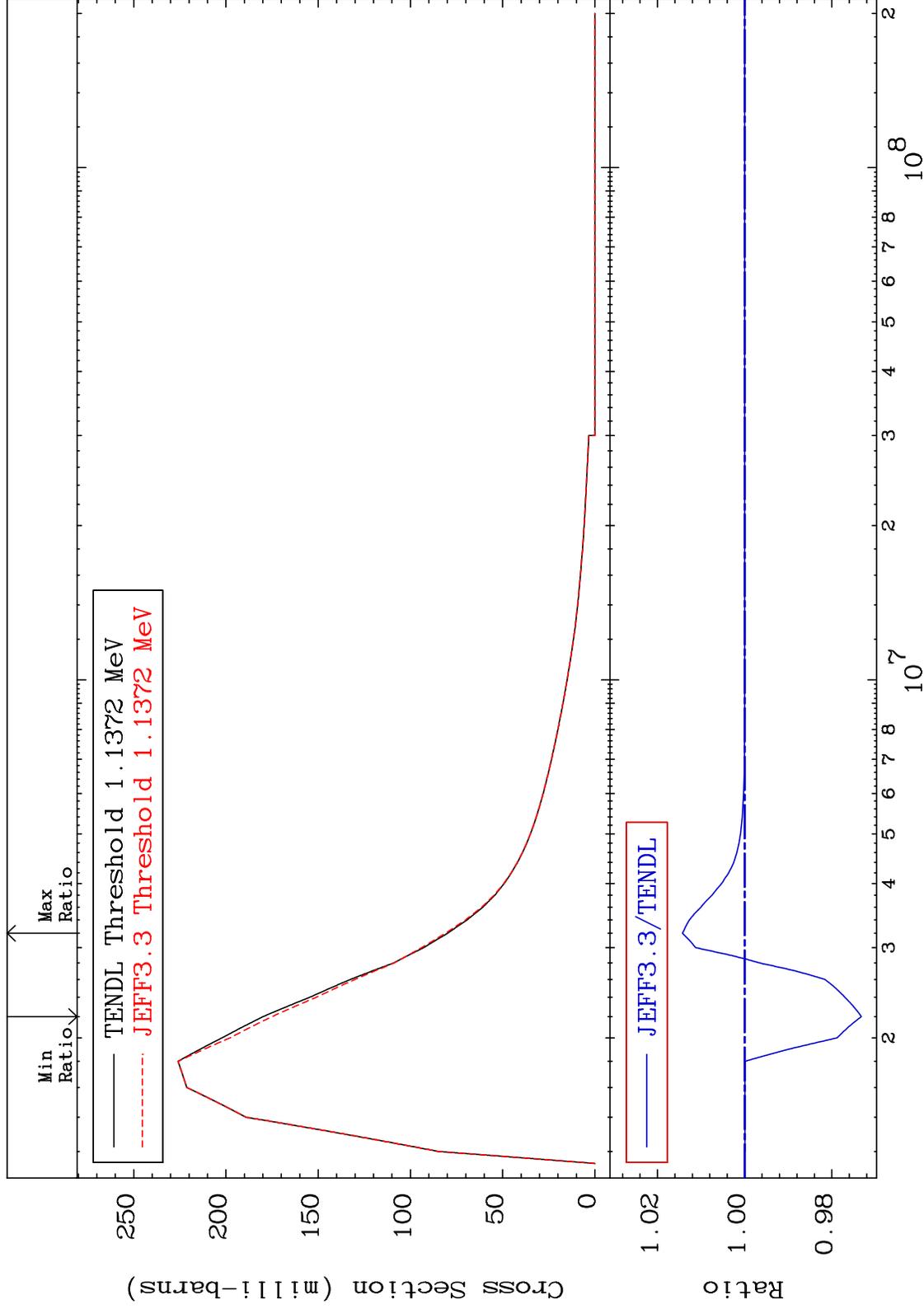
34-Se-76
-0.048 To 0.966 %



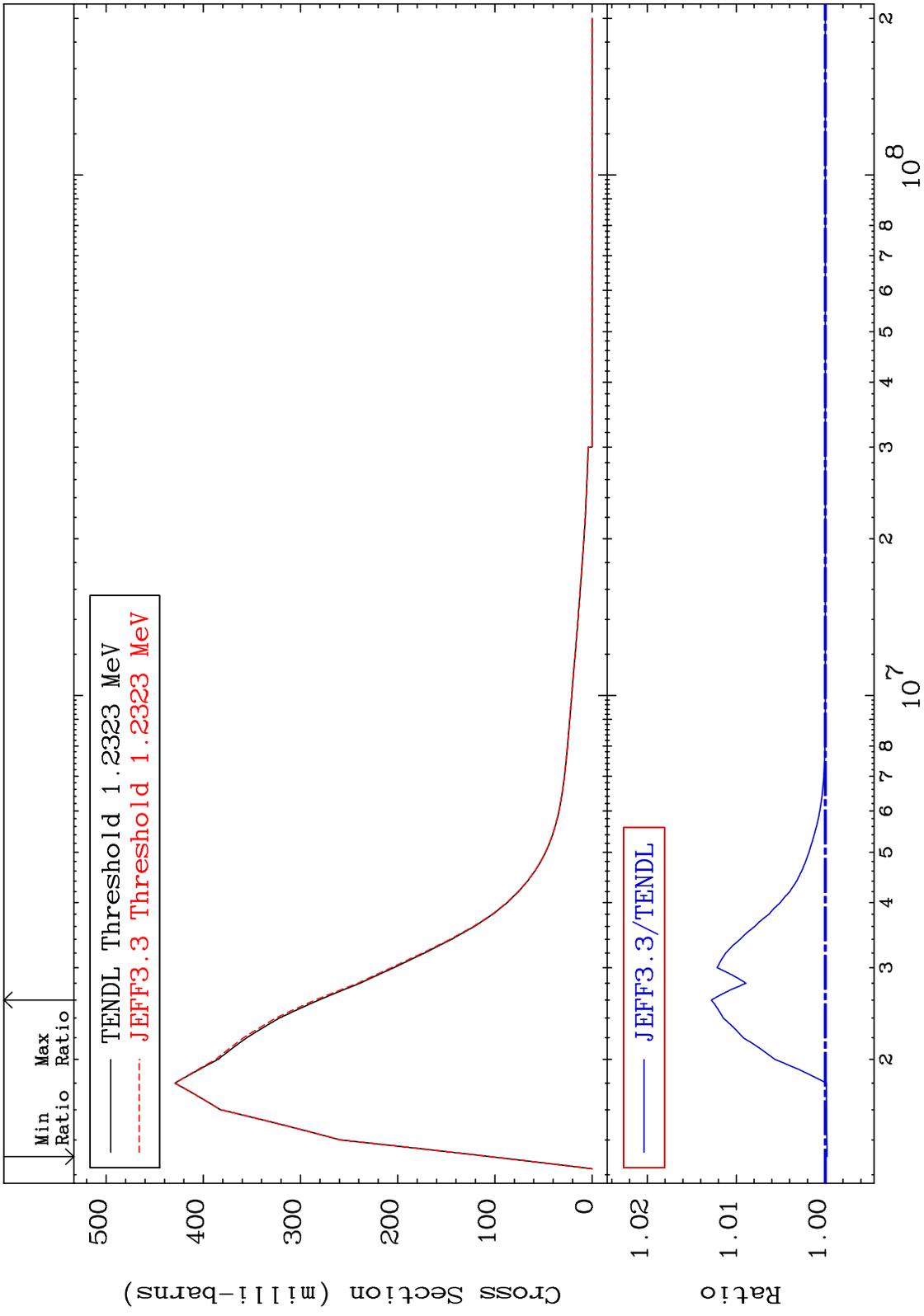
MAT 3431

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

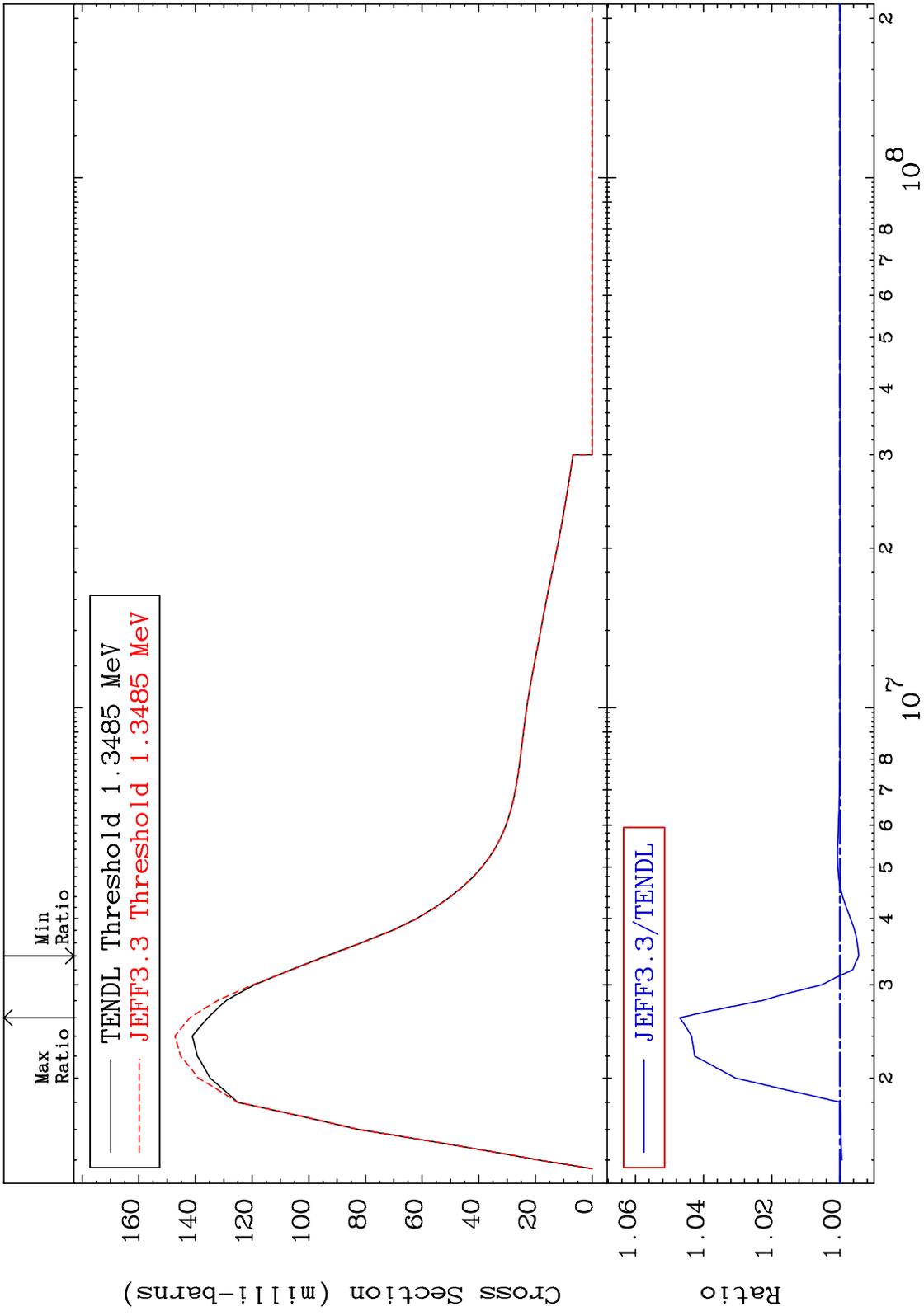
34-Se-76
-2.677 To 1.427 %



MAT 3431 MT= 53 (n,n') Level Cross Section -0.021 To 1.279 % 34-Se-76



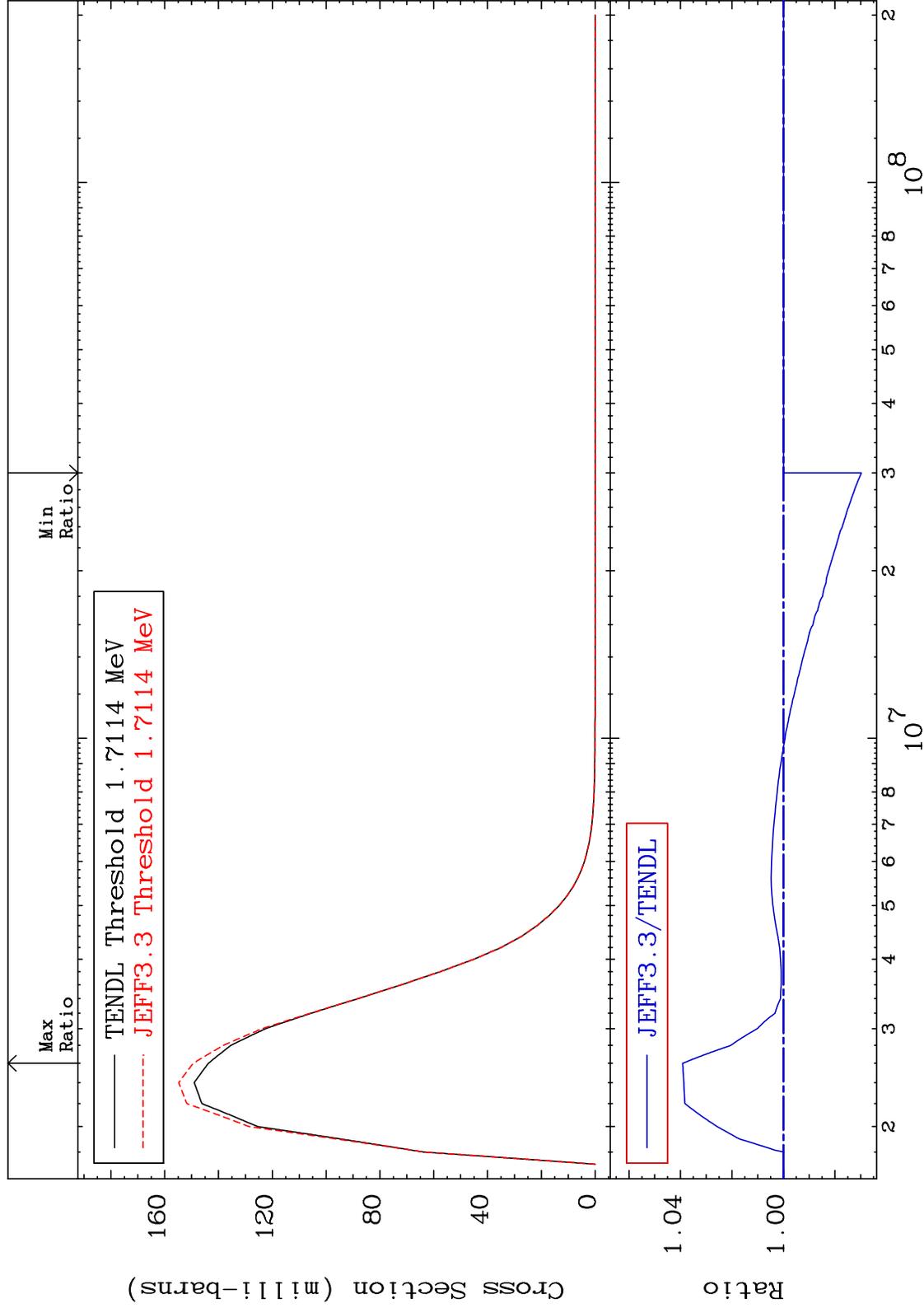
MAT 3431 MT= 54 (n,n') Level Cross Section 34-Se-76
 -0.553 To 4.701 %



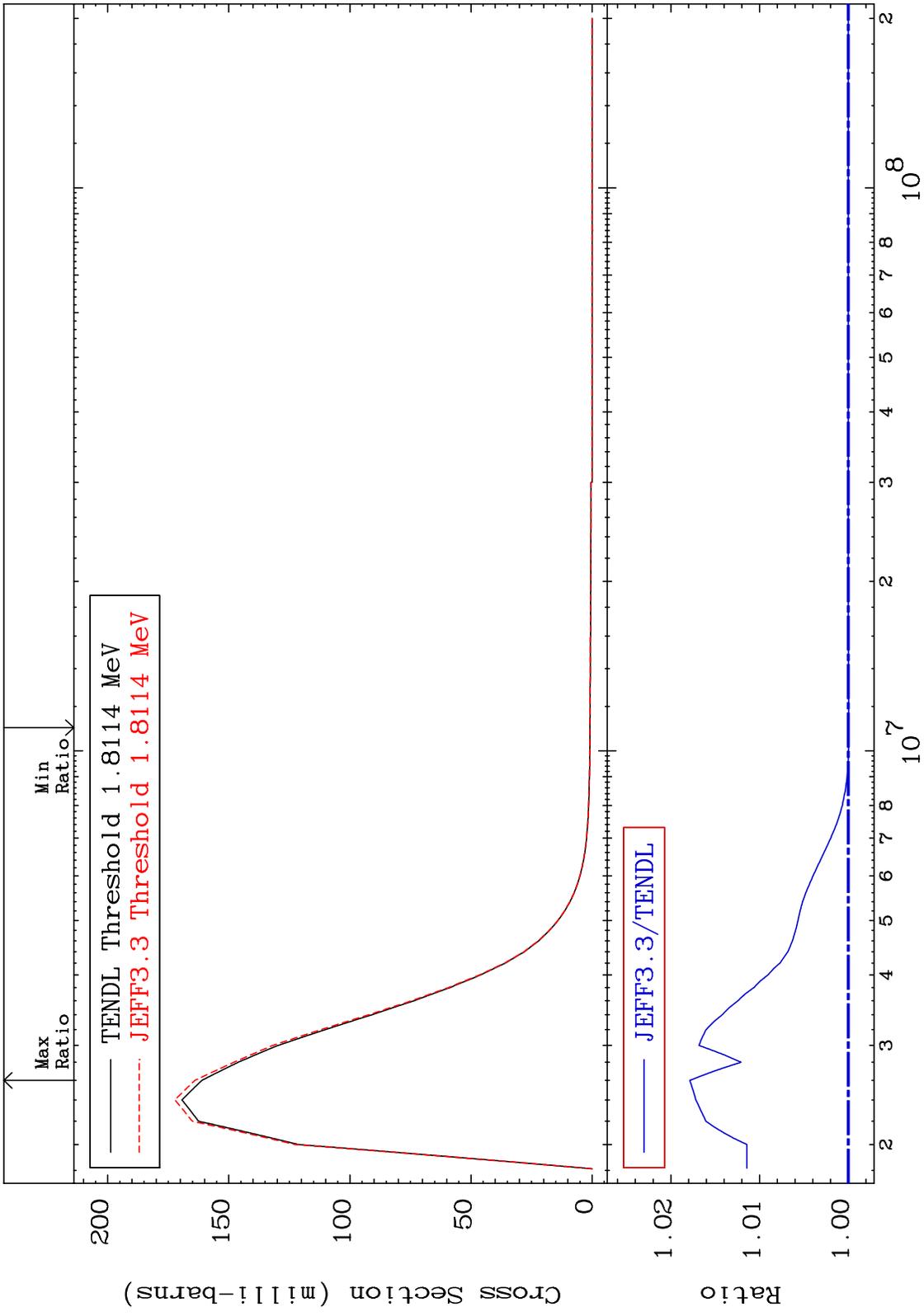
MAT 3431

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

34-Se-76
-3.028 To 3.915 %



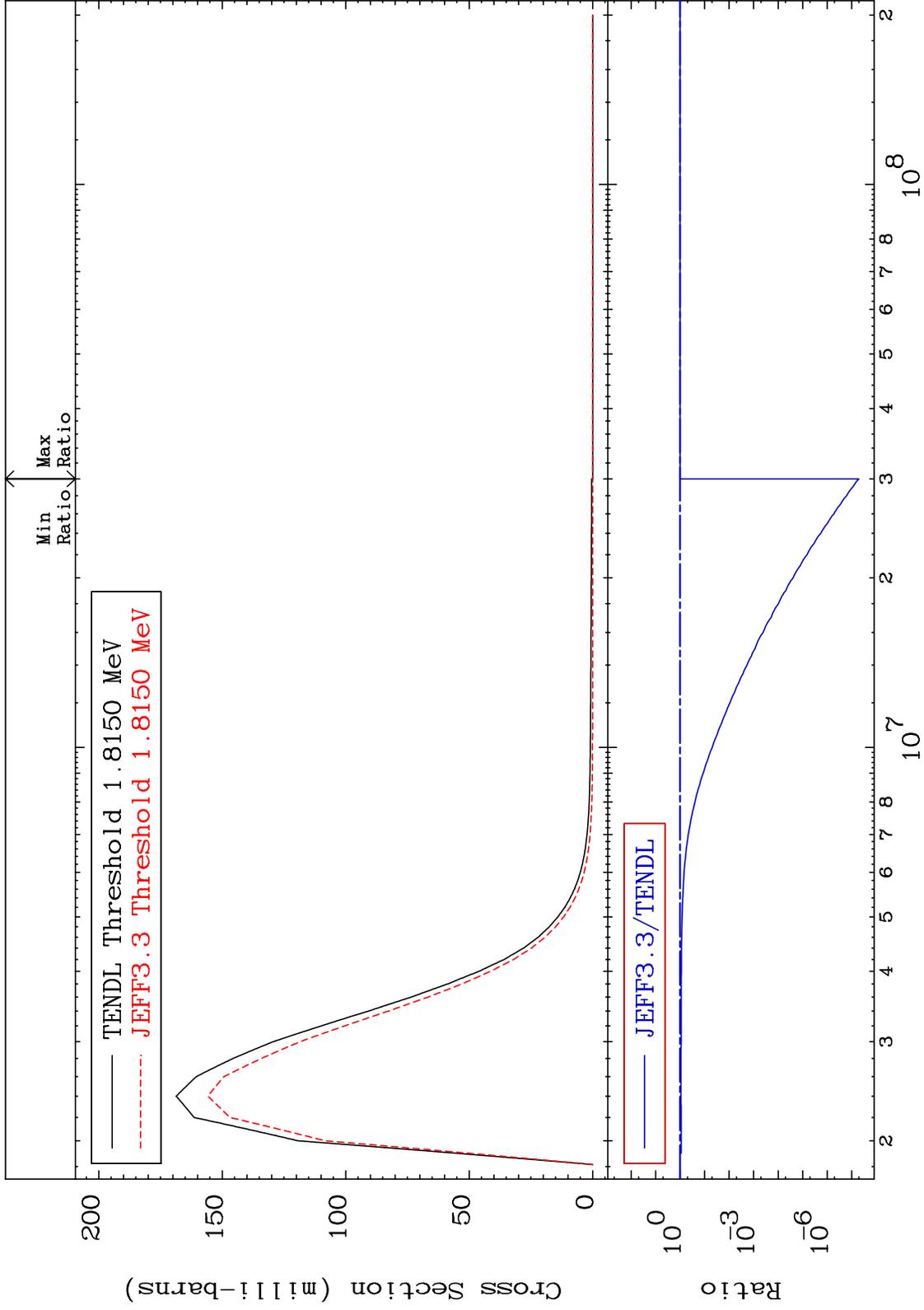
MAT 3431 MT= 56 (n,n') Level Cross Section 34-Se-76
 -0.005 To 1.786 %



MAT 3431

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

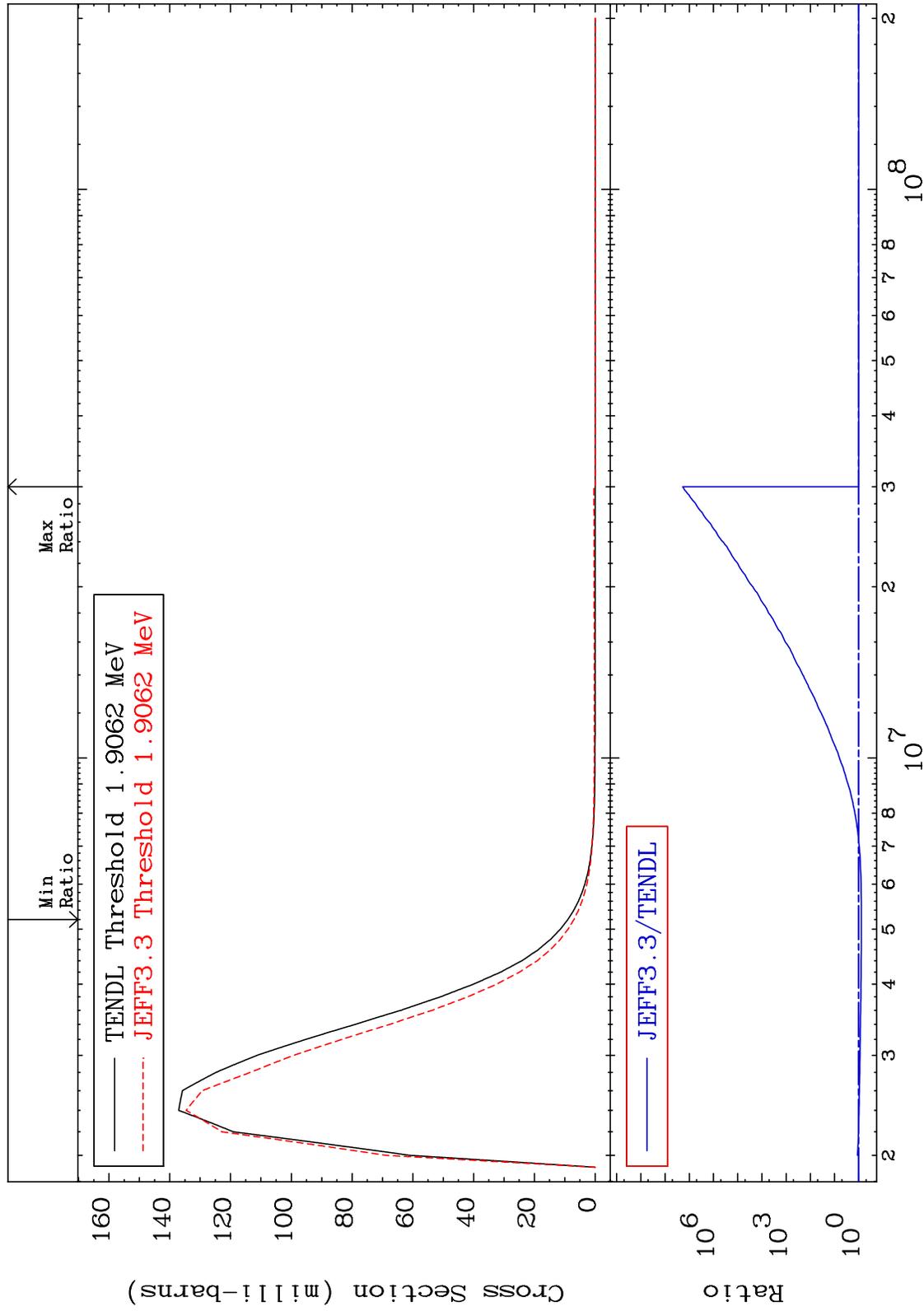
34-Se-76
-100.0 To 0.000 %



MAT 3431

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

34-Se-76
-22.10 To 9999. %



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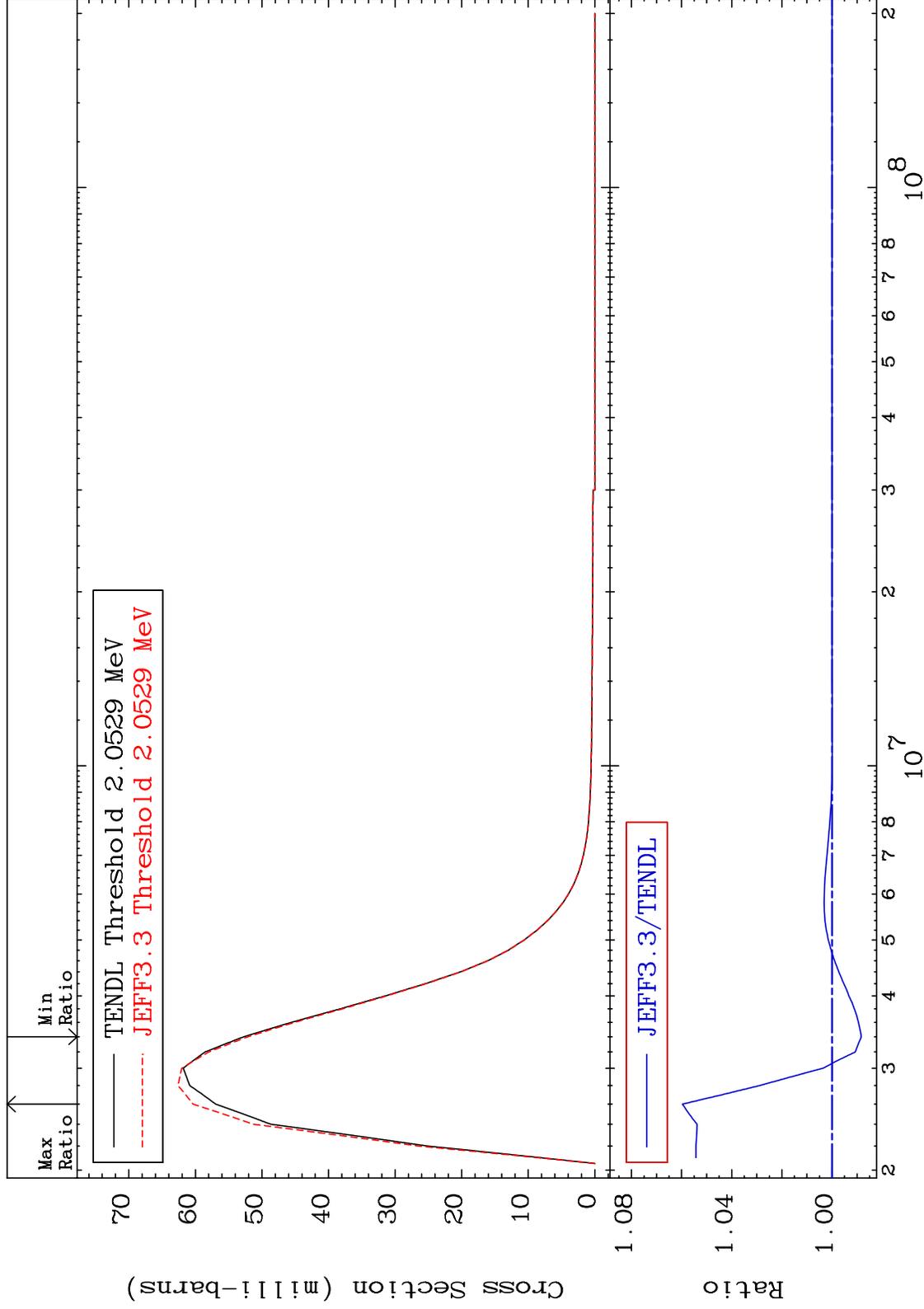
34-Se-76

34-Se-76

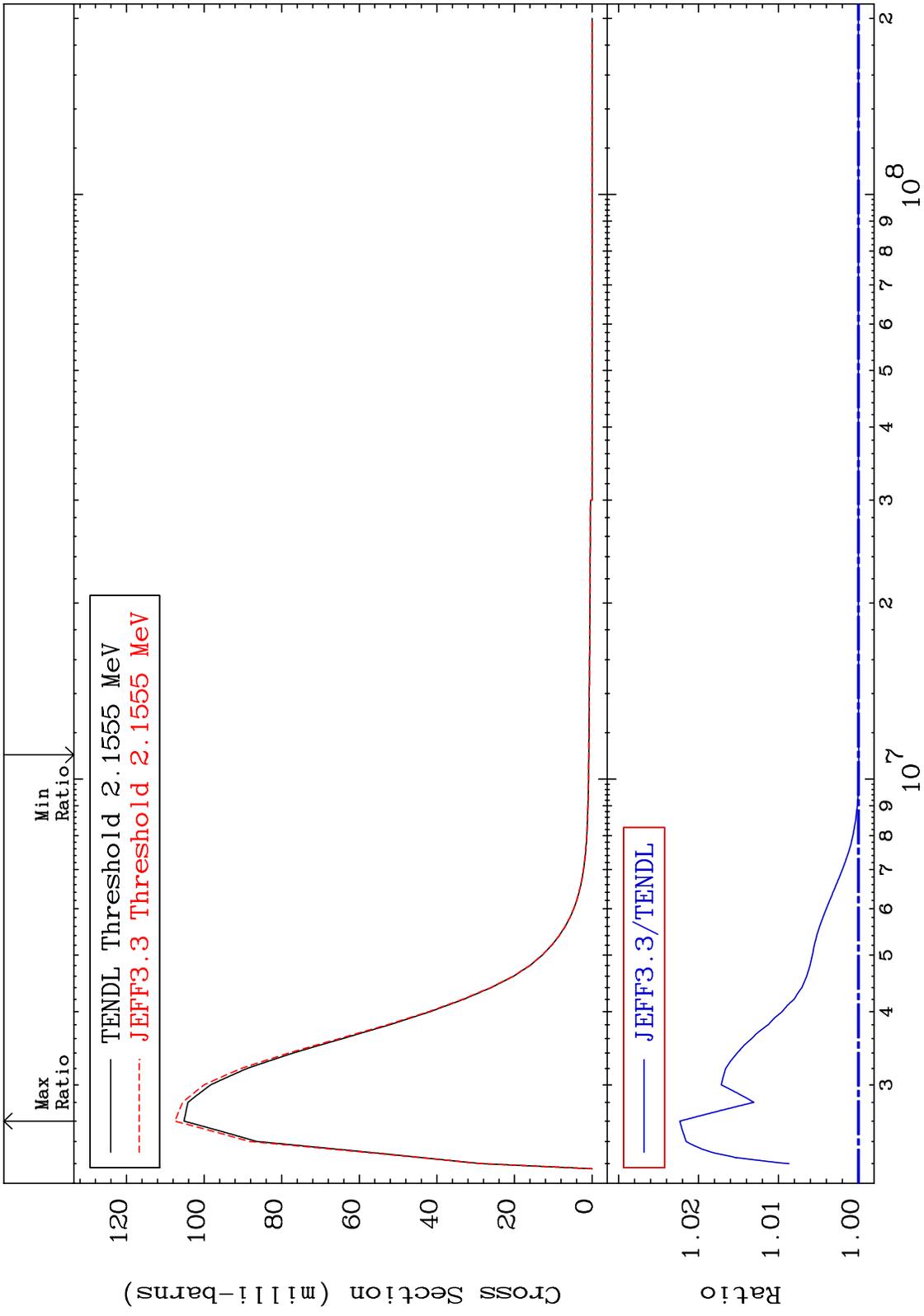
MAT 3431

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

34-Se-76
-1.171 To 5.967 %



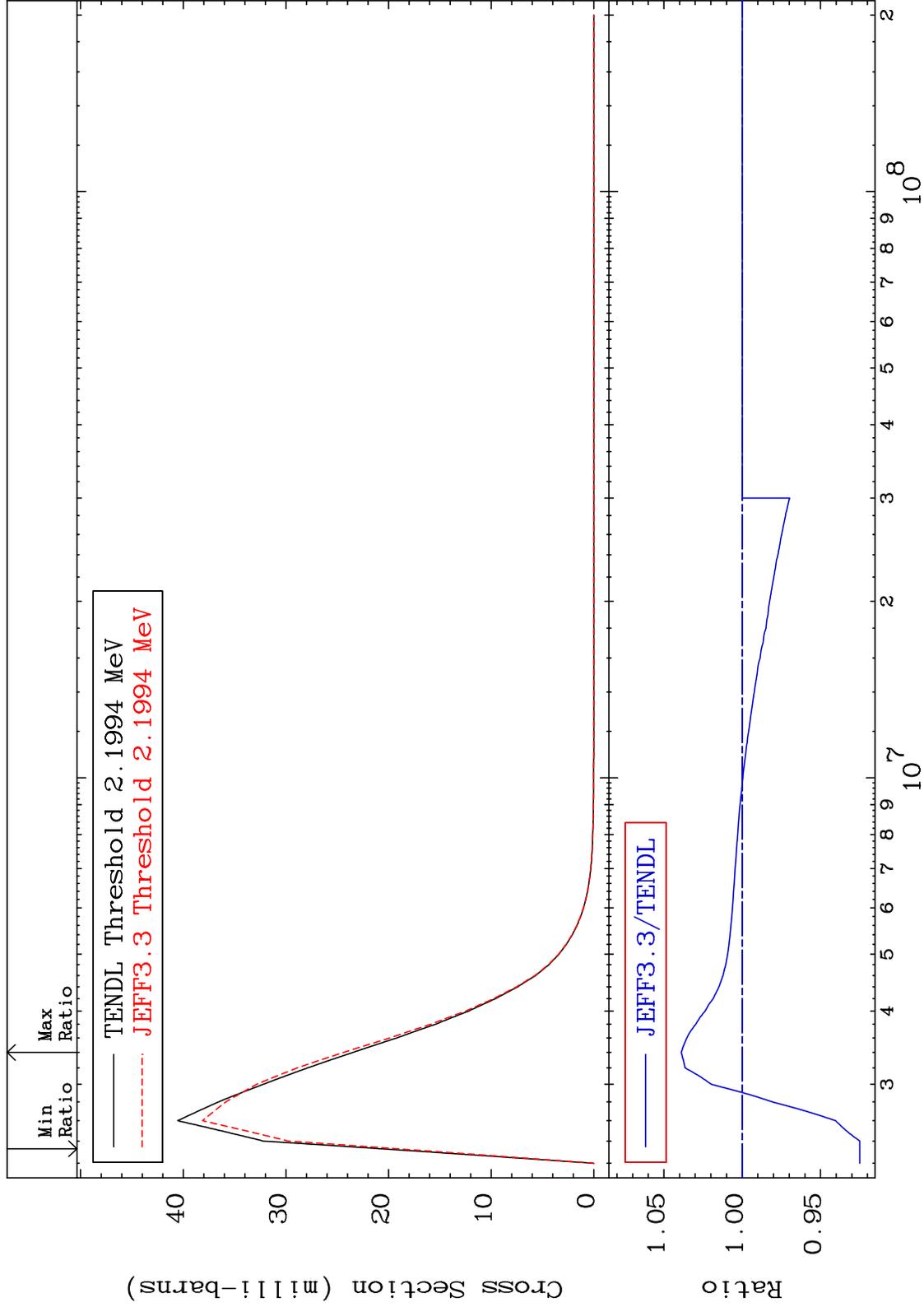
MAT 3431 MT= 60 (n,n') Level Cross Section 34-Se-76
 -0.005 To 2.235 %



MAT 3431

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

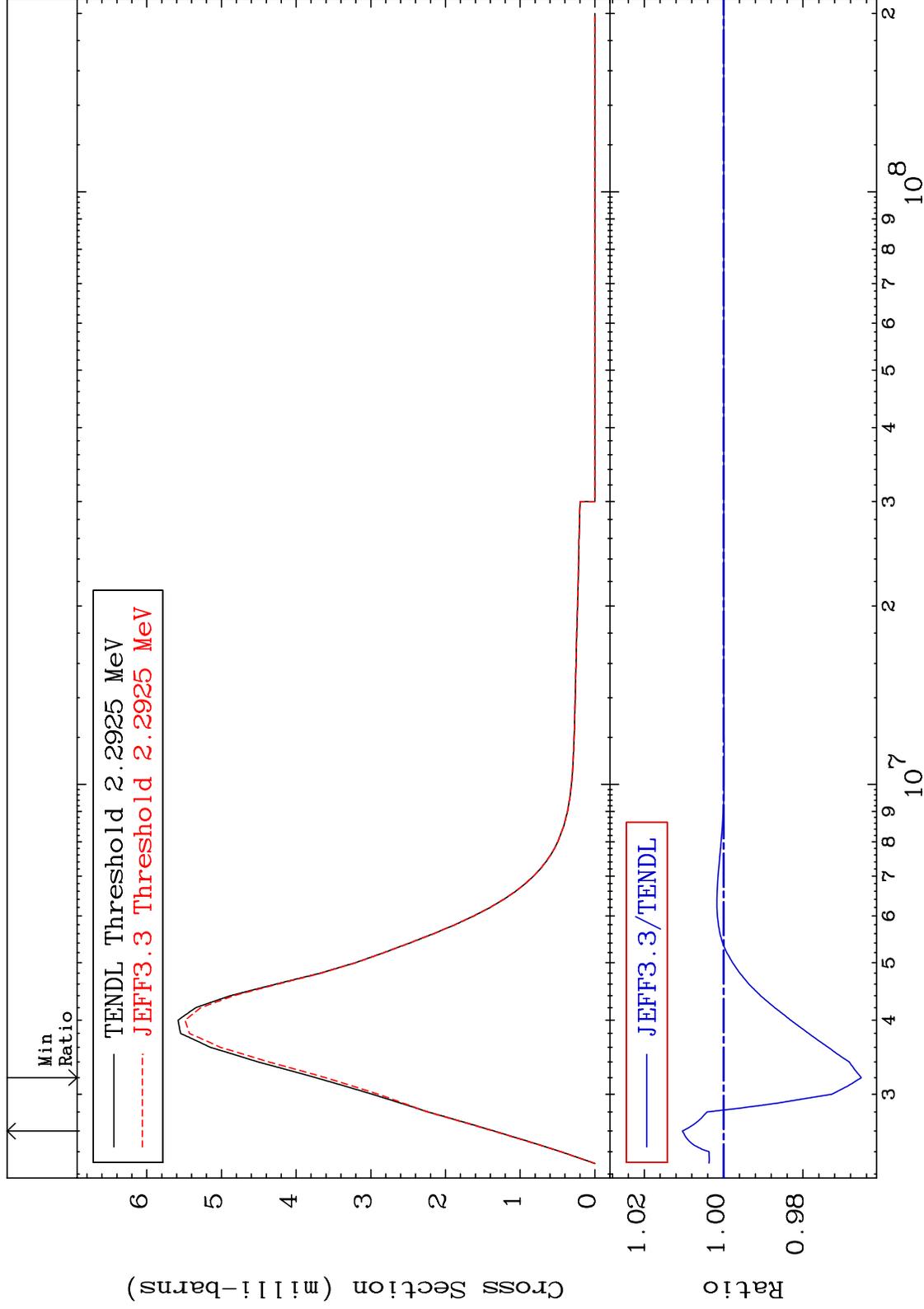
34-Se-76
-7.509 To 3.894 %



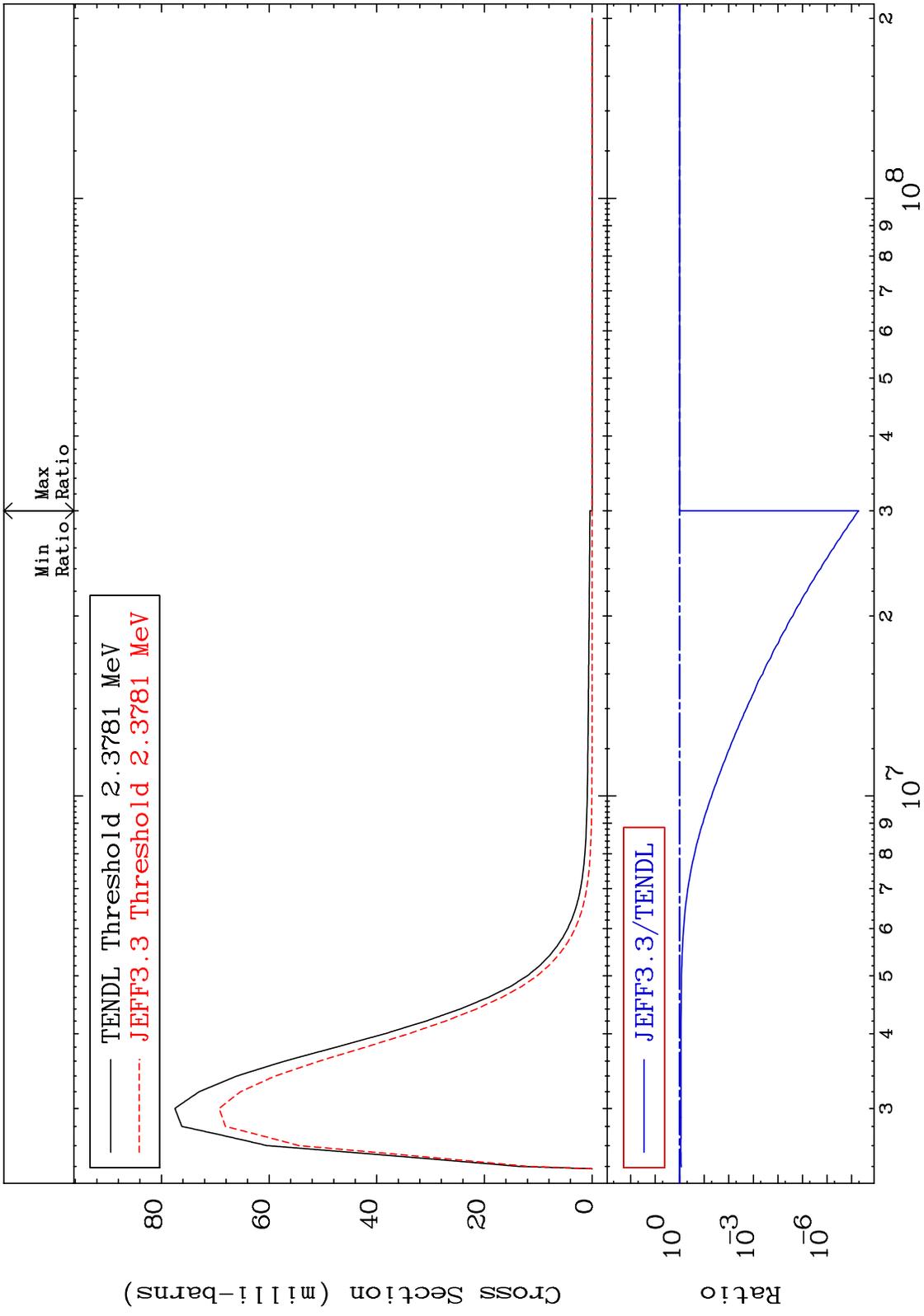
MAT 3431

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

34-Se-76
-3.471 To 1.038 %



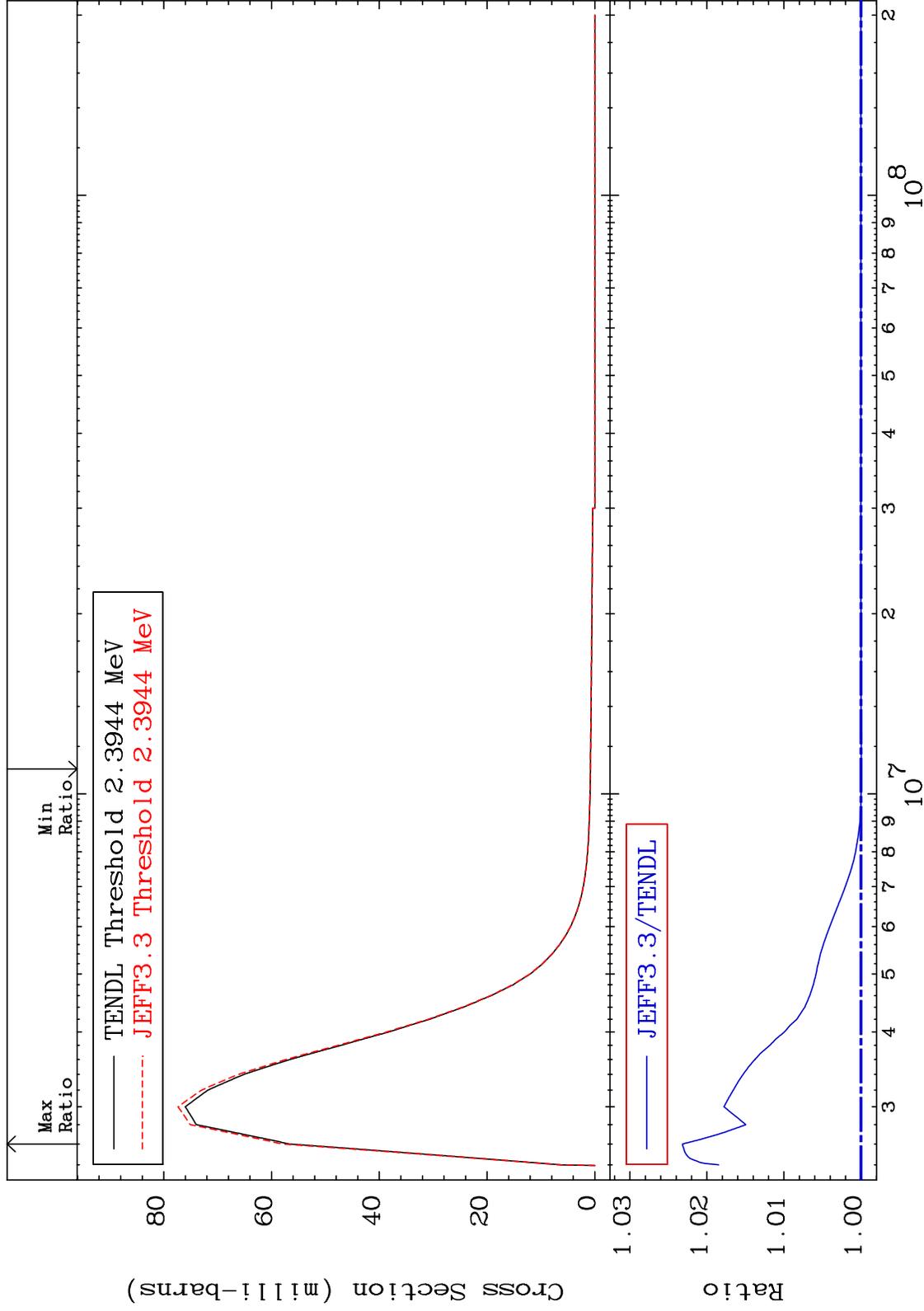
MAT 3431 MT= 63 (n,n') Level Cross Section 34-Se-76
 -100.0 To 0.000 %



MAT 3431

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

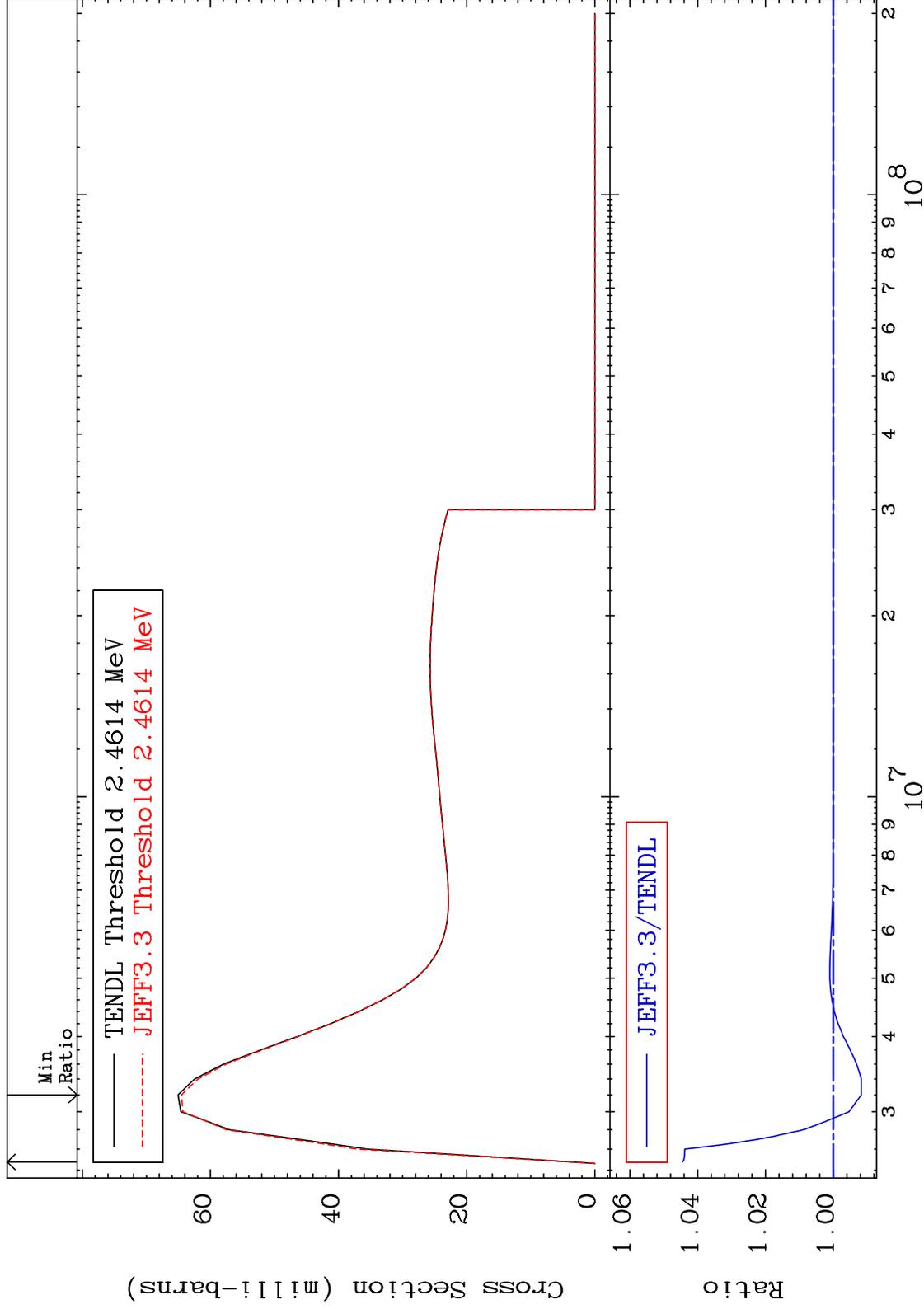
34-Se-76
-0.005 To 2.318 %



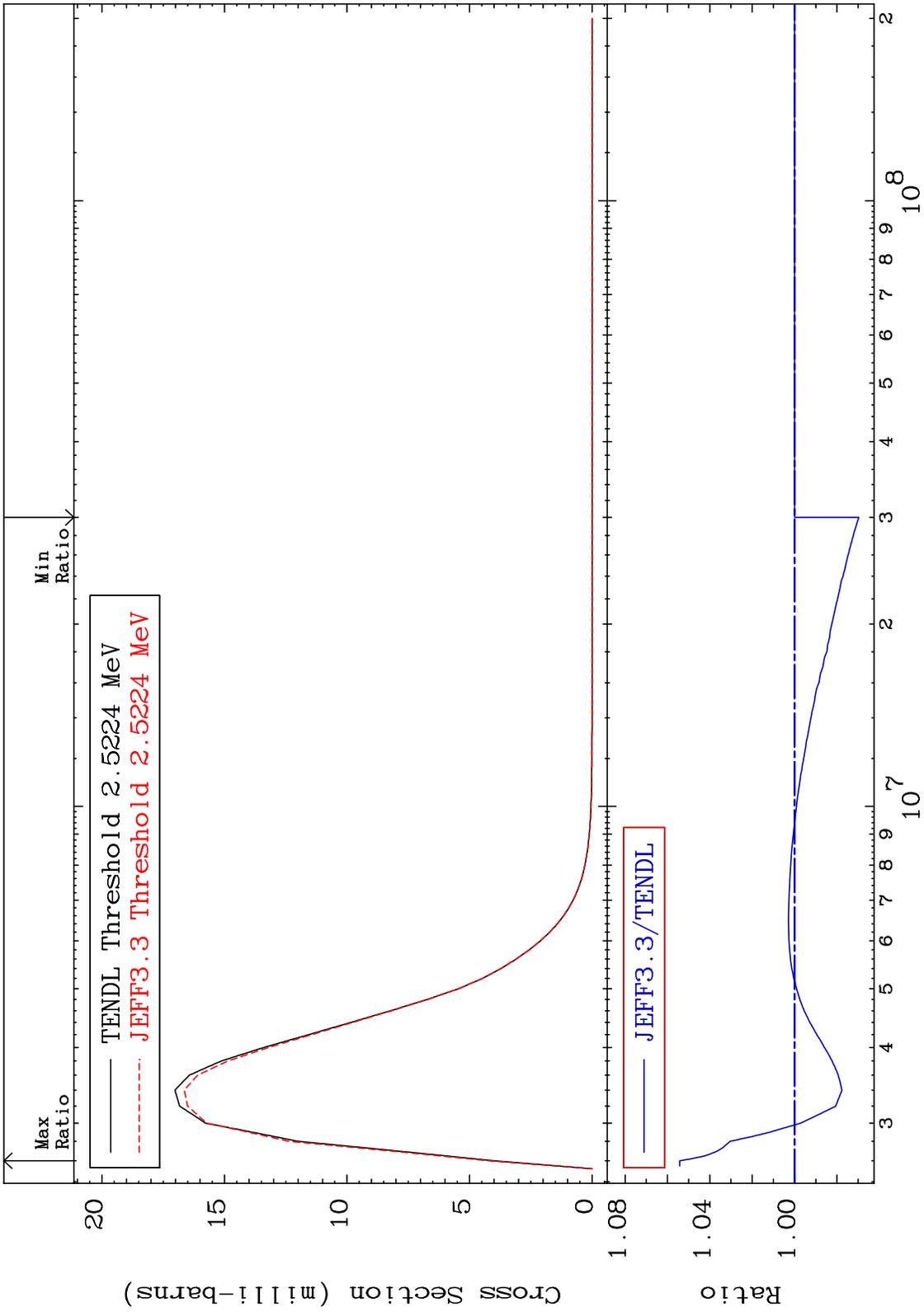
MAT 3431

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

34-Se-76
-0.828 To 4.448 %



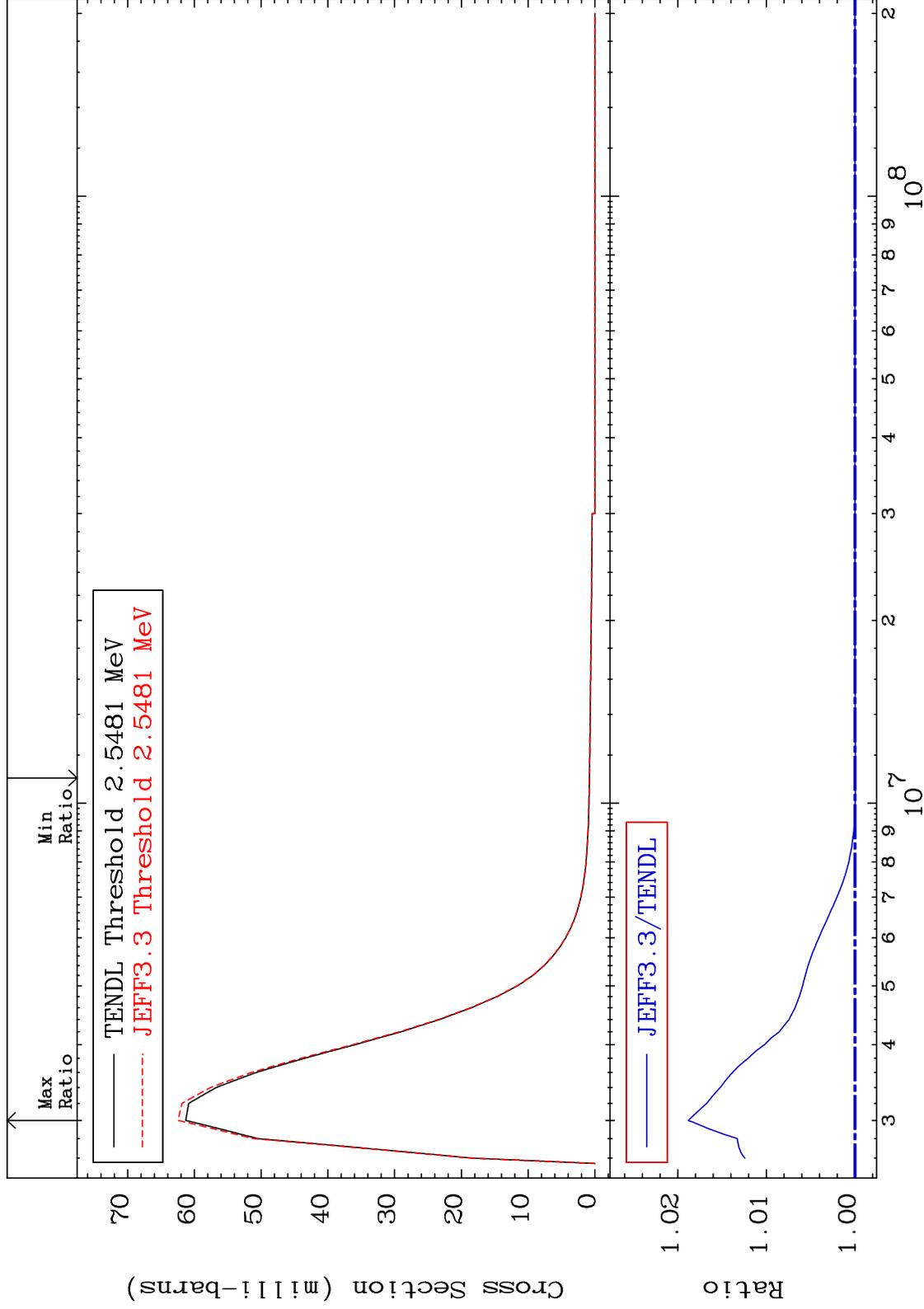
MAT 3431 MT= 66 (n,n') Level Cross Section -3.031 To 5.420 % 34-Se-76



MAT 3431

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

34-Se-76
-0.005 To 1.881 %



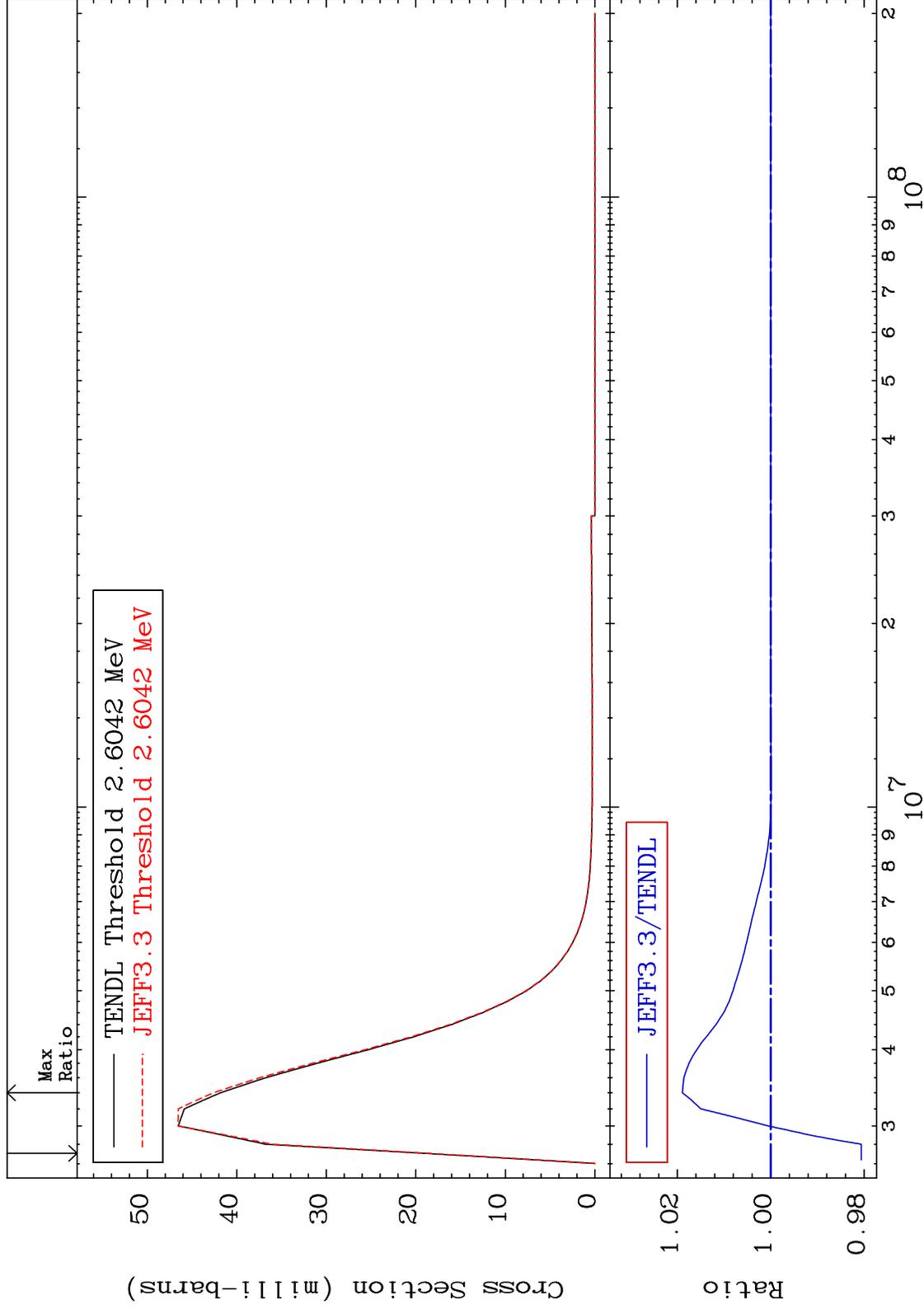
35

34-Se-76

MAT 3431

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

34-Se-76
-1.940 To 1.891 %

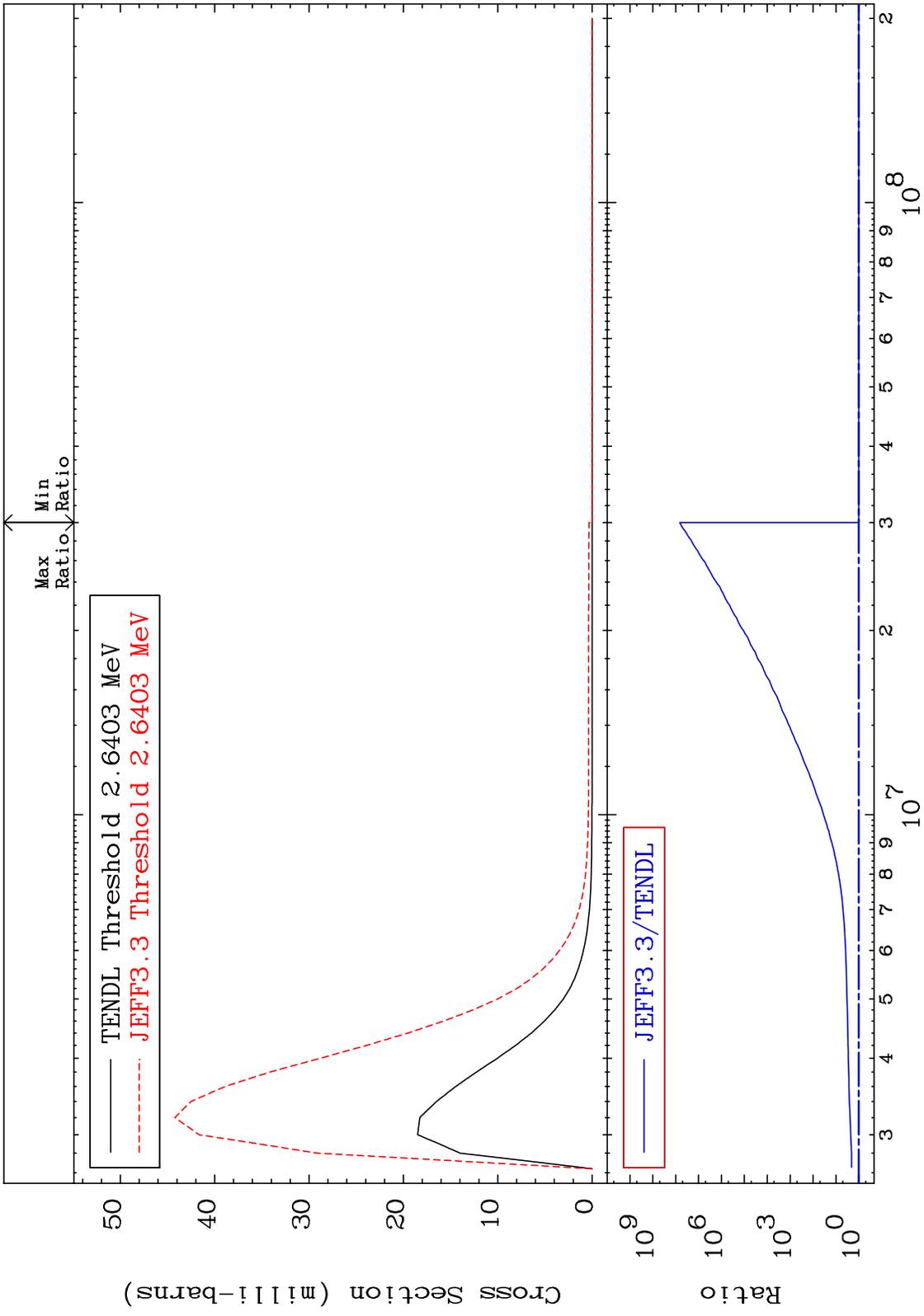


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Incident Energy (eV)

34-Se-76

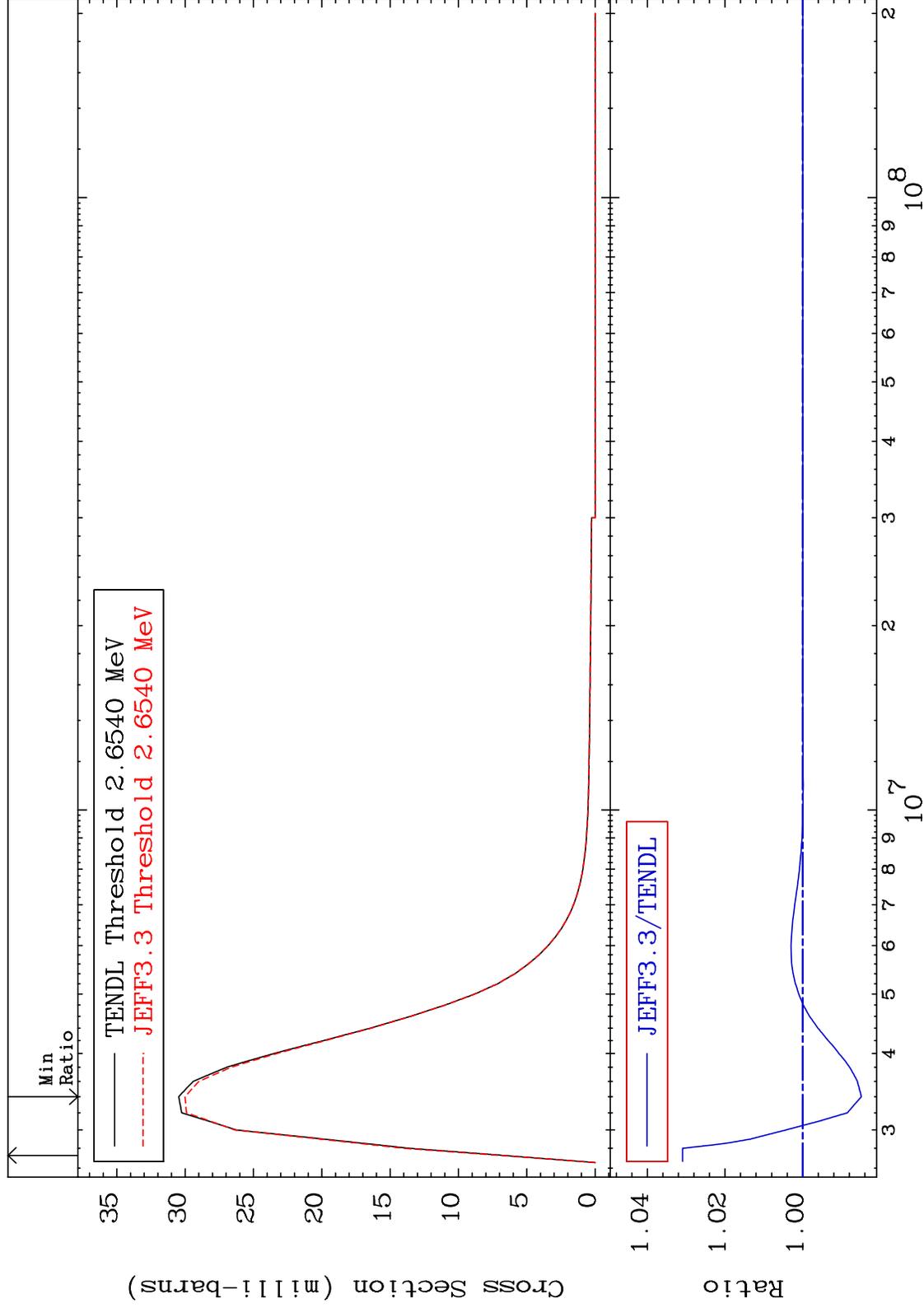
MAT 3431 MT= 69 (n, n') Level Cross Section 34-Se-76 To 9999. %



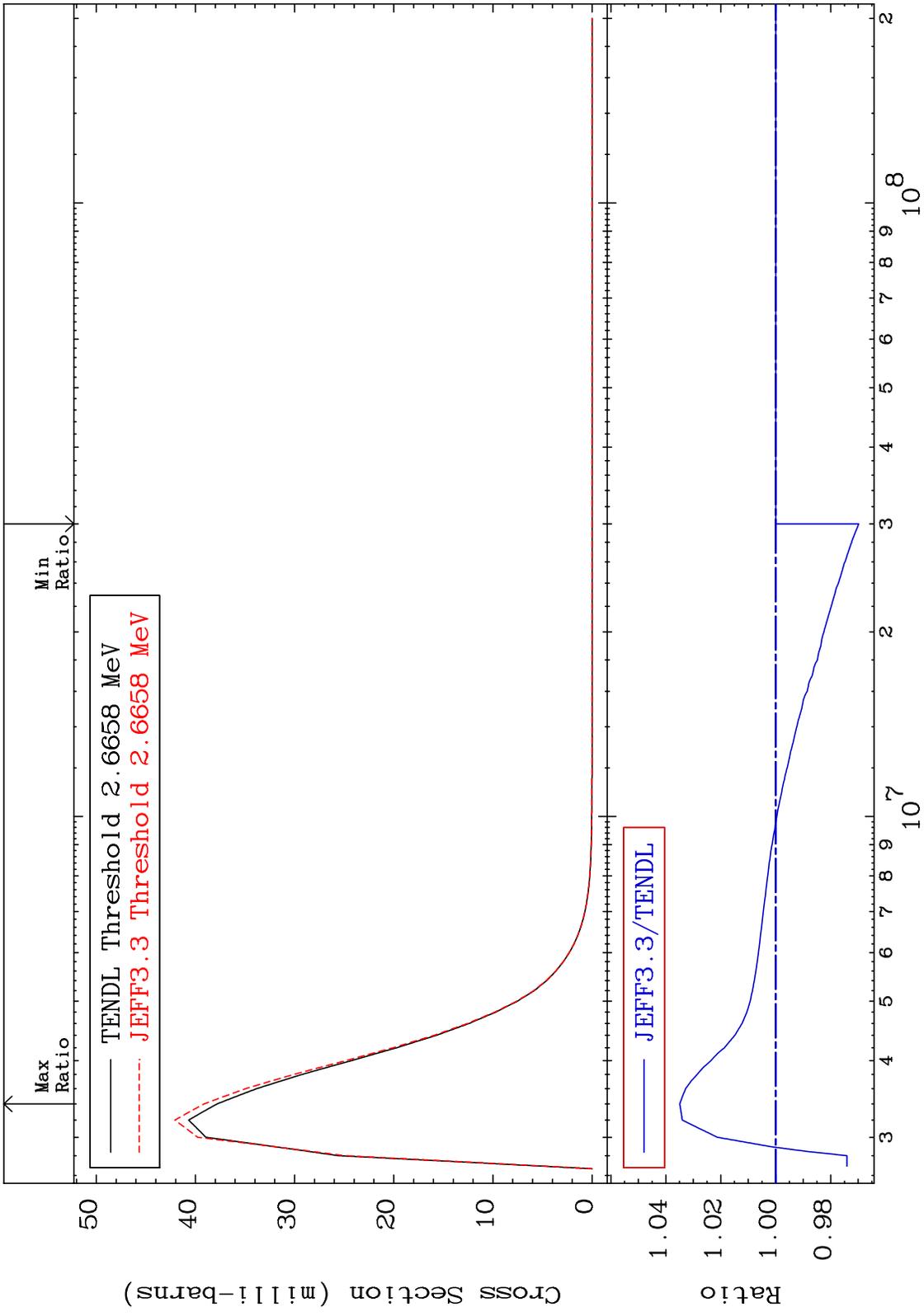
MAT 3431

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

34-Se-76
-1.512 To 3.093 %



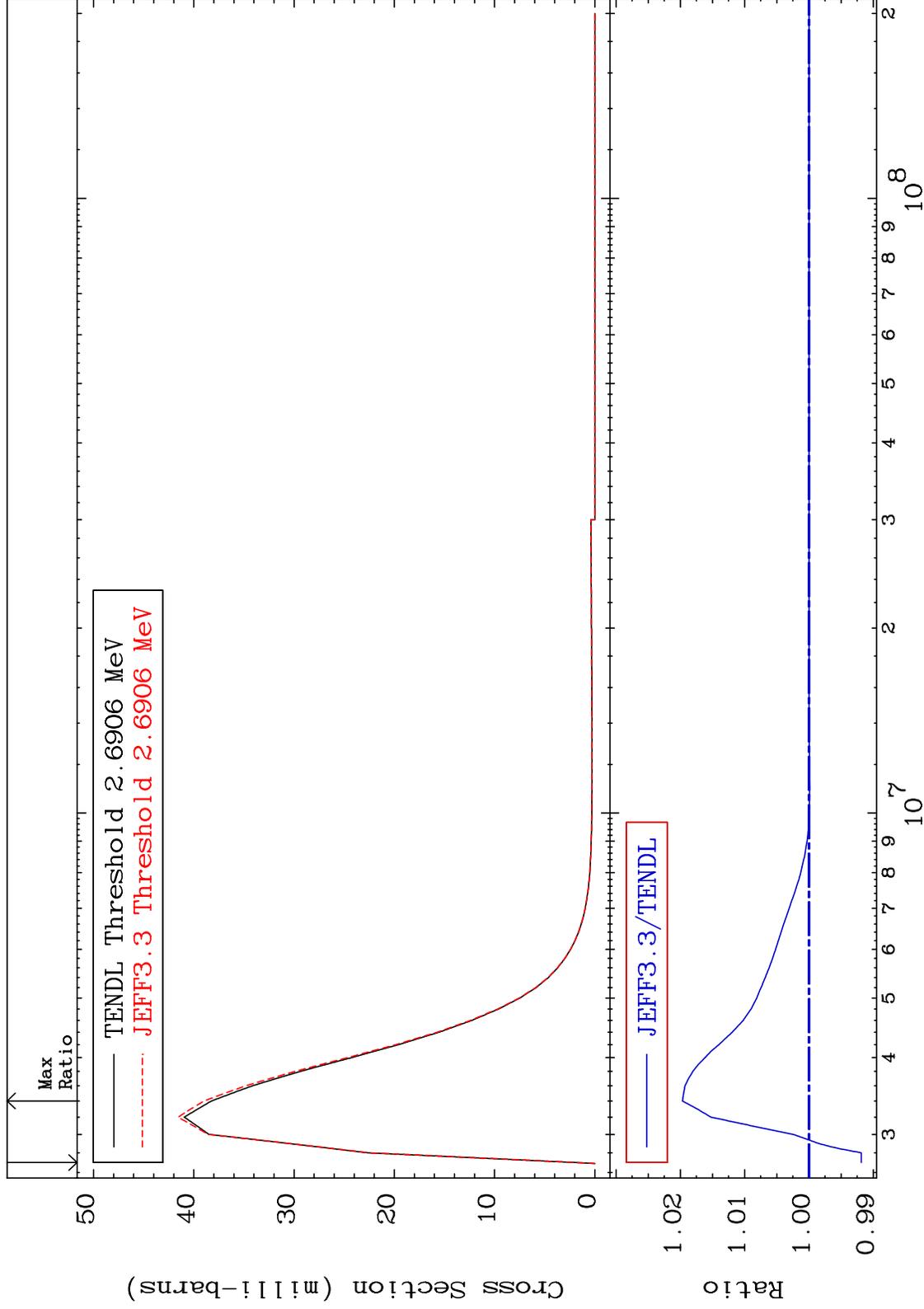
MAT 3431 MT= 71 (n,n') Level Cross Section 34-Se-76
 -3.023 To 3.492 %



MAT 3431

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

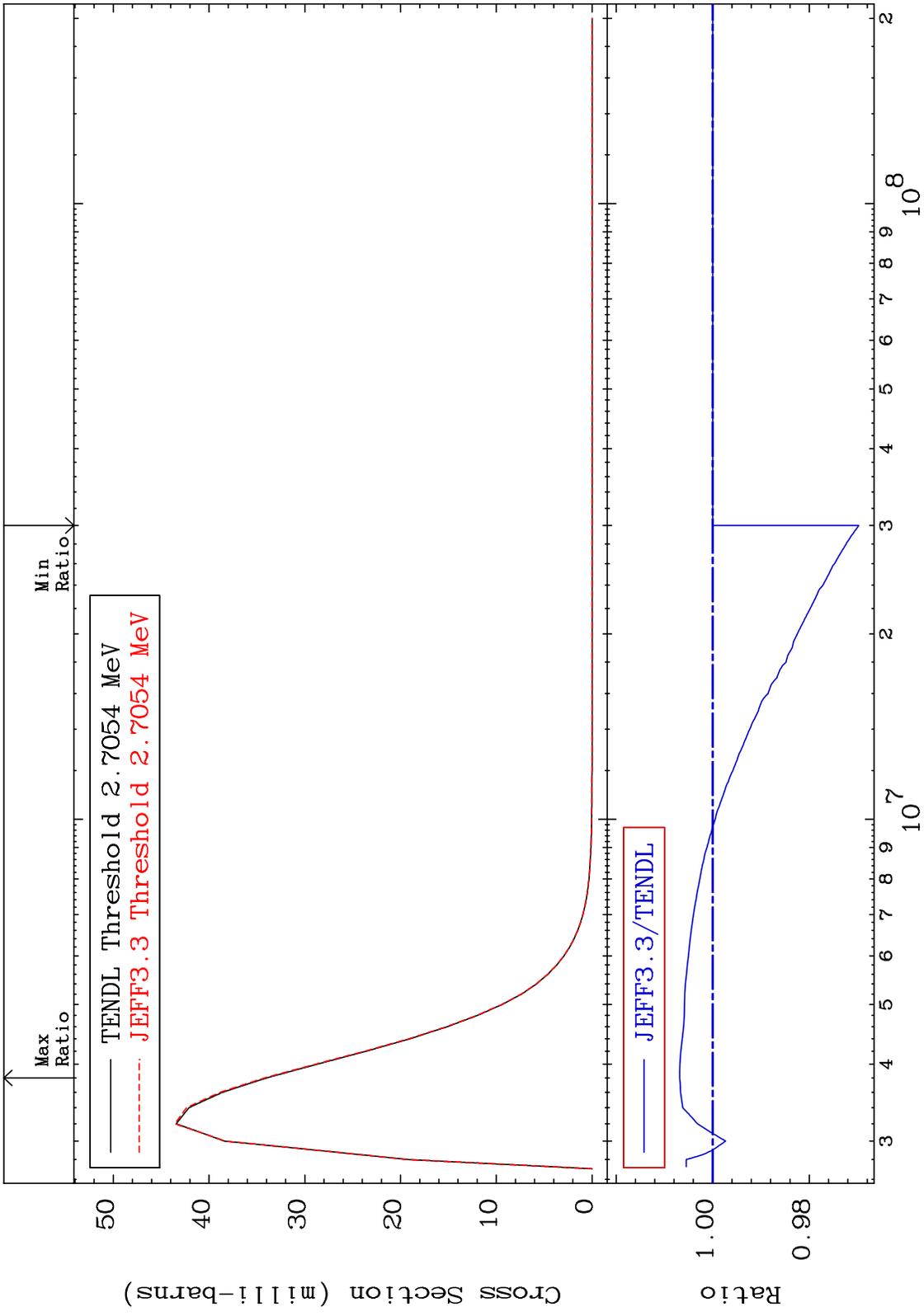
34-Se-76
-0.814 To 1.968 %



40

34-Se-76

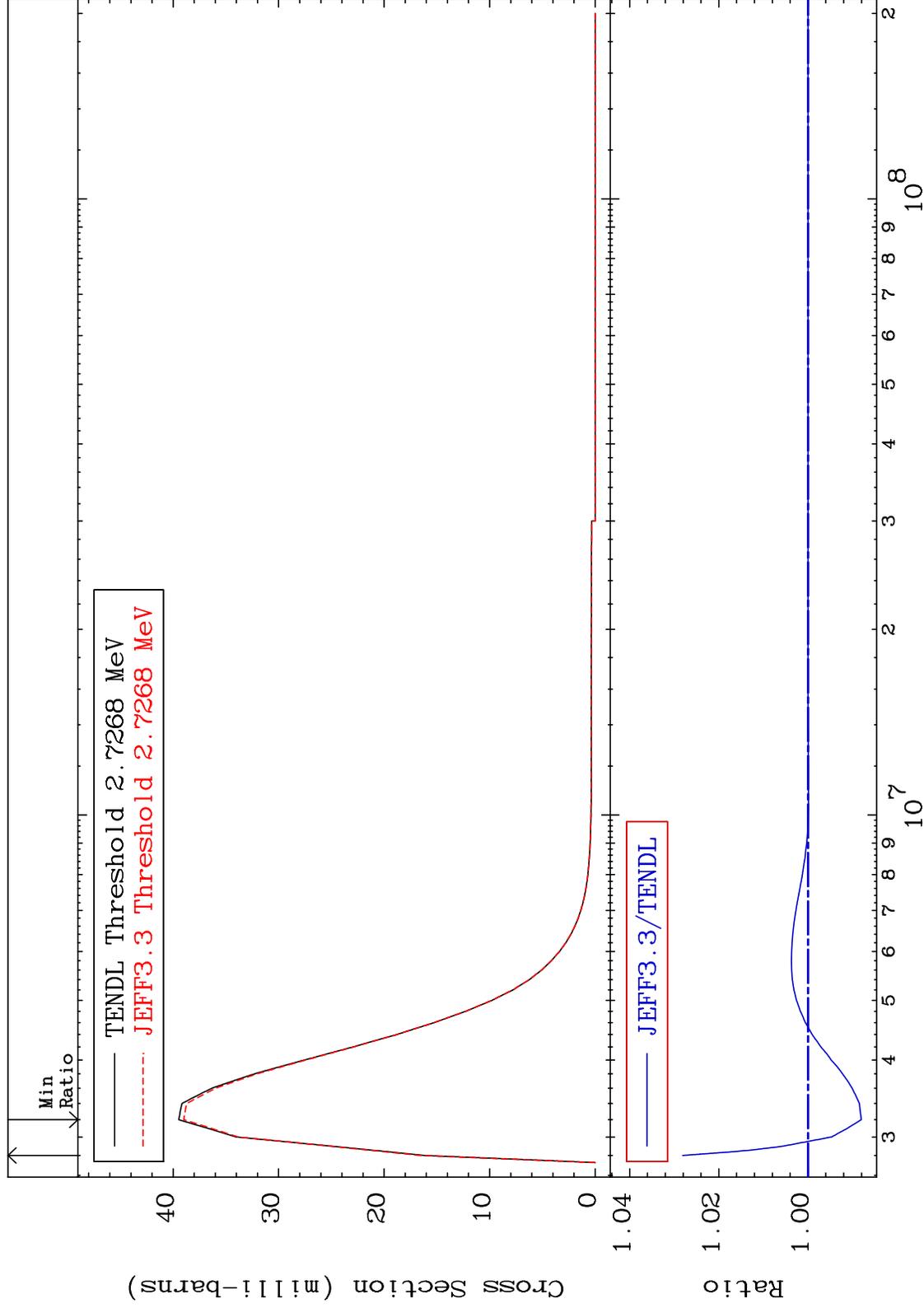
MAT 3431 MT= 73 (n, n') Level Cross Section -3.026 To 0.682 % 34-Se-76



MAT 3431

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

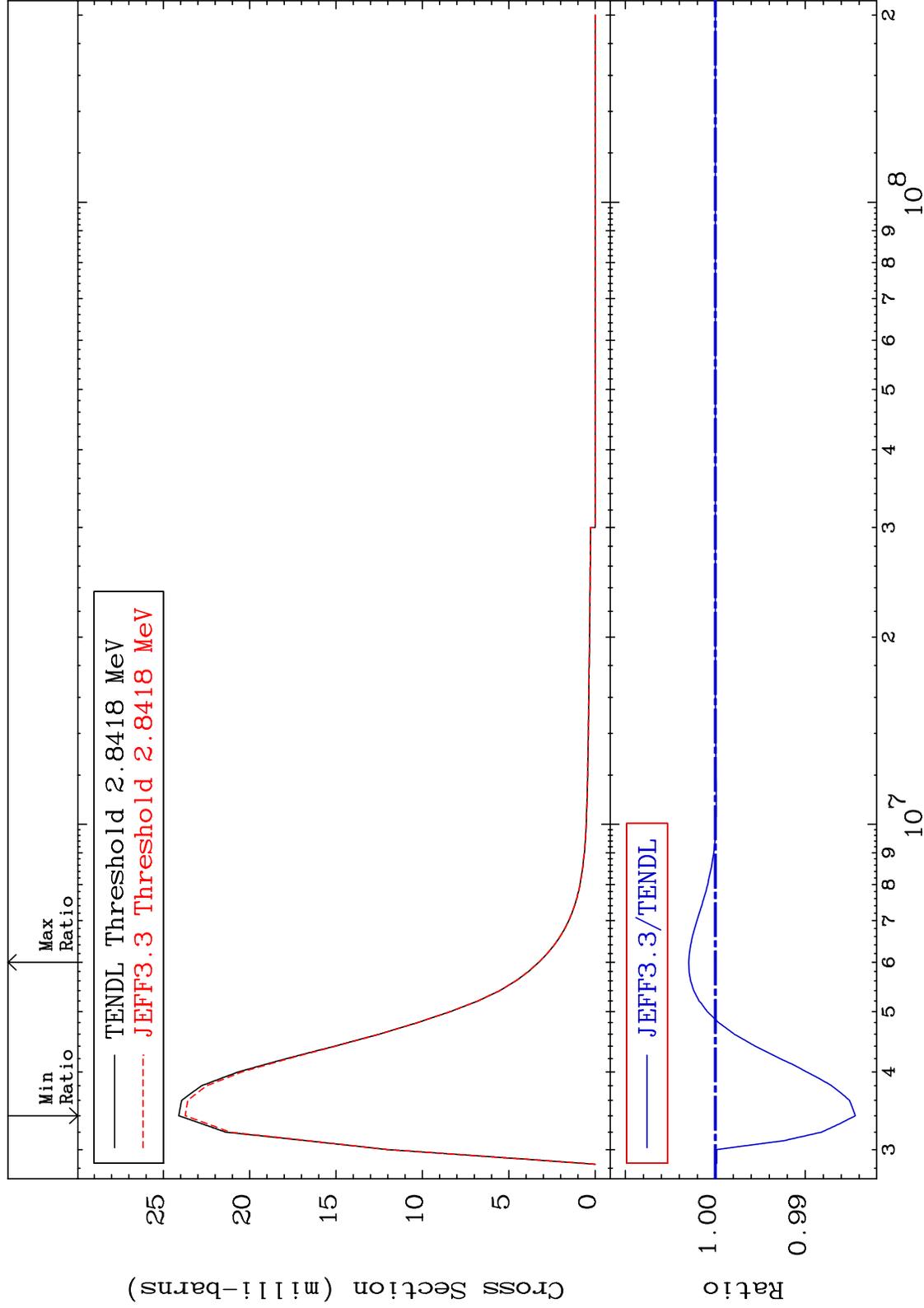
34-Se-76
-1.198 To 2.811 %



MAT 3431

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

34-Se-76
-1.557 To 0.296 %



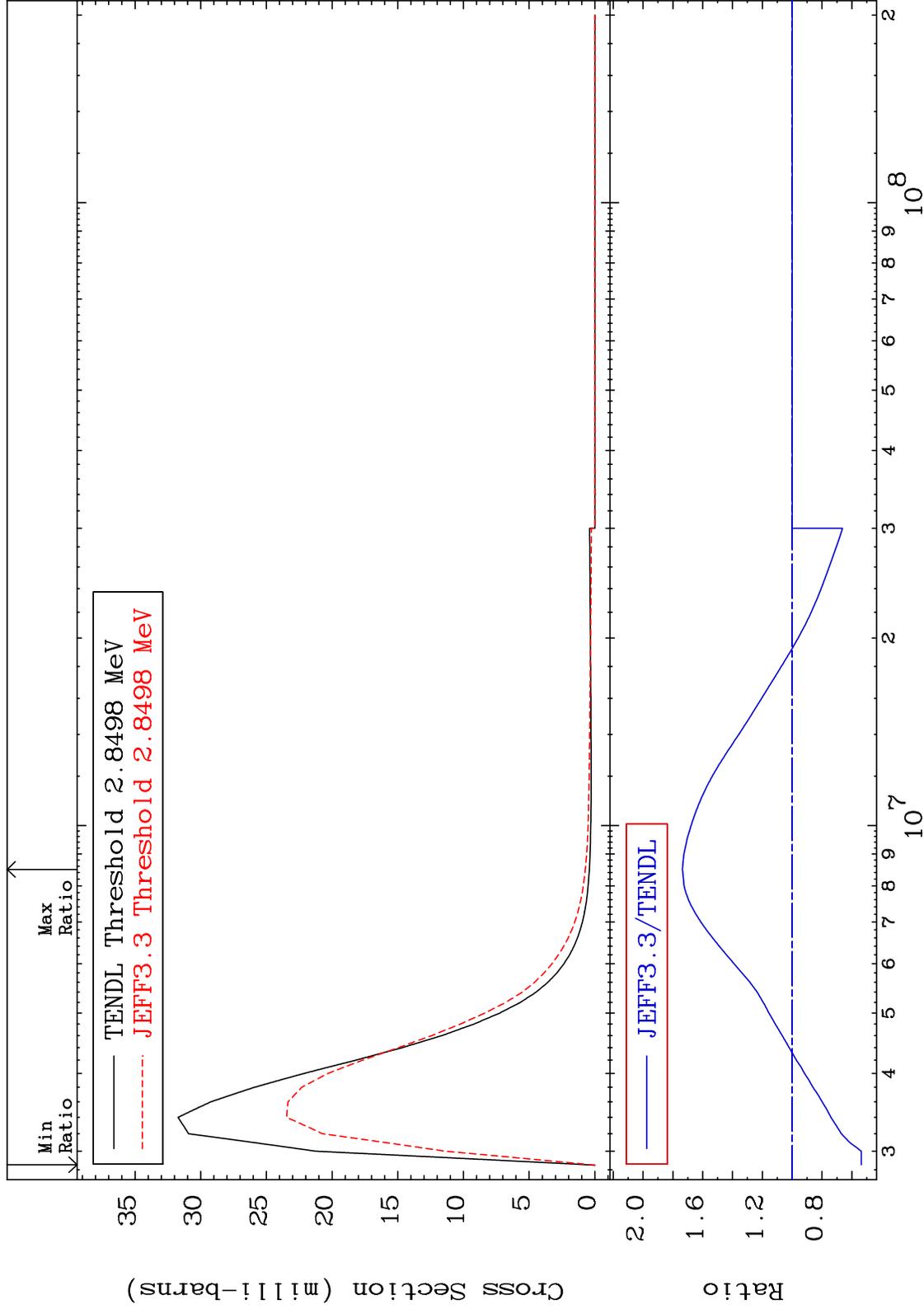
43

34-Se-76

MAT 3431

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

34-Se-76
-46.38 To 73.59 %



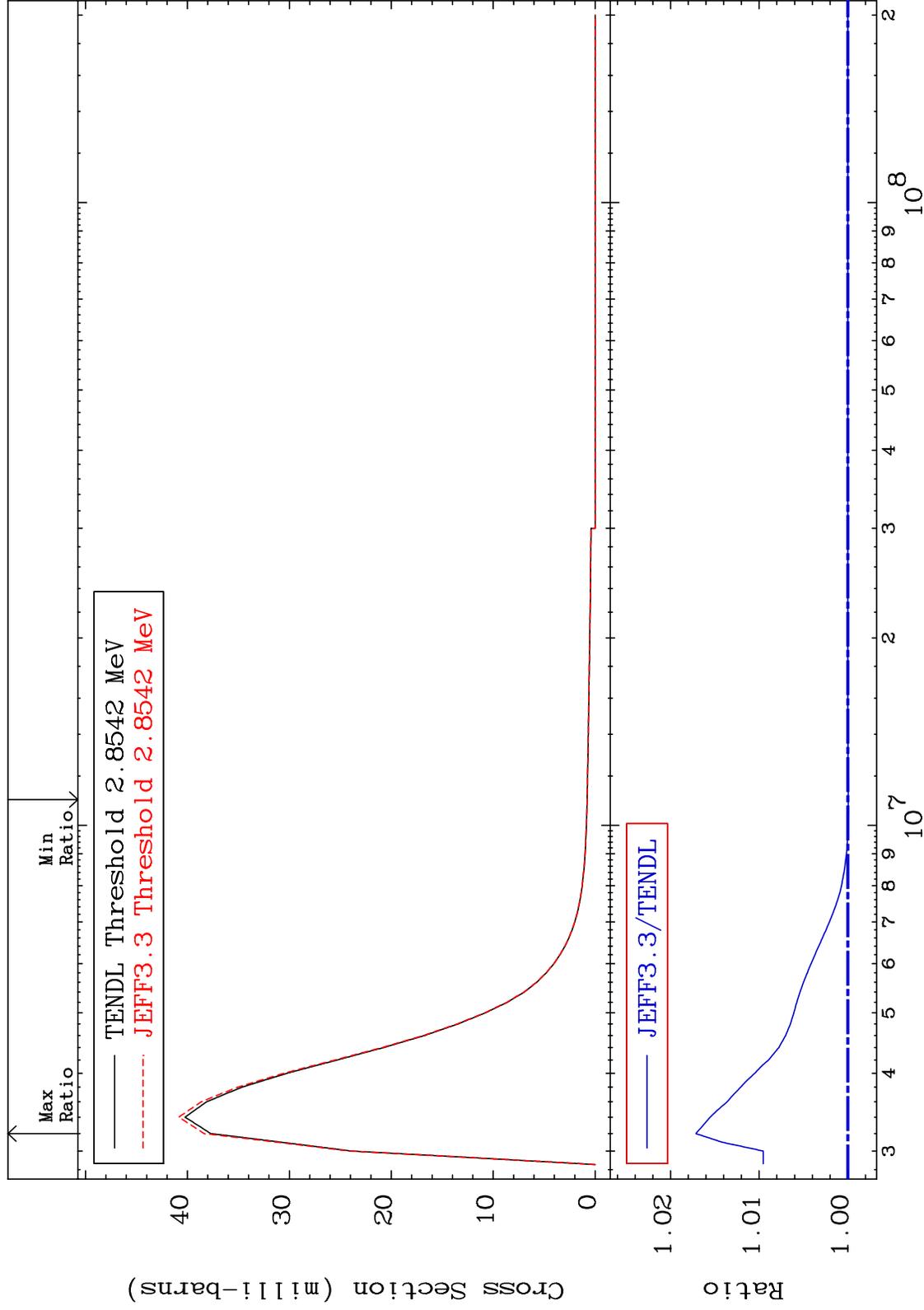
44

34-Se-76

MAT 3431

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

34-Se-76
-0.005 To 1.715 %



45

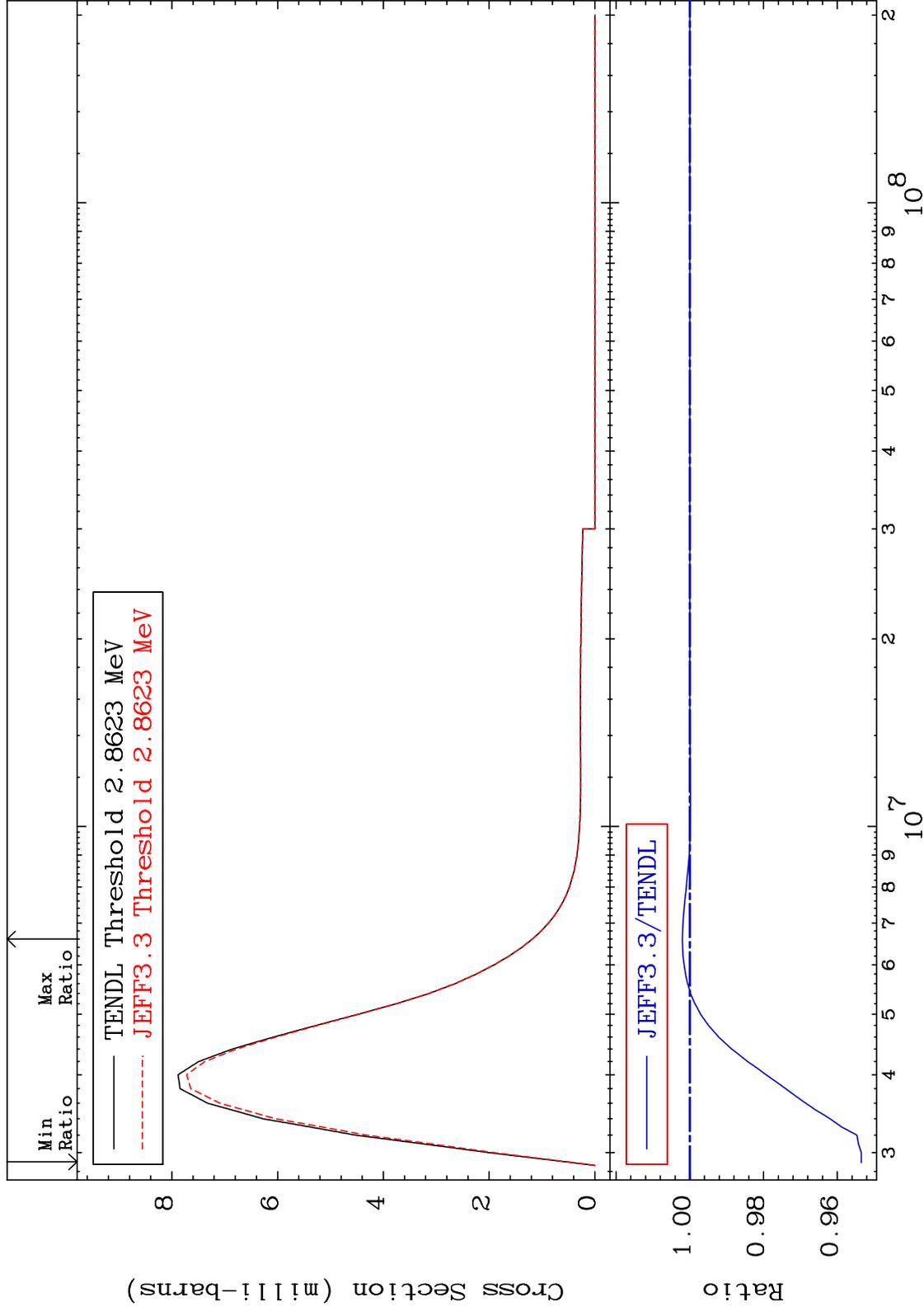
34-Se-76

34-Se-76

MAT 3431

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

34-Se-76
-4.652 To 0.200 %



46

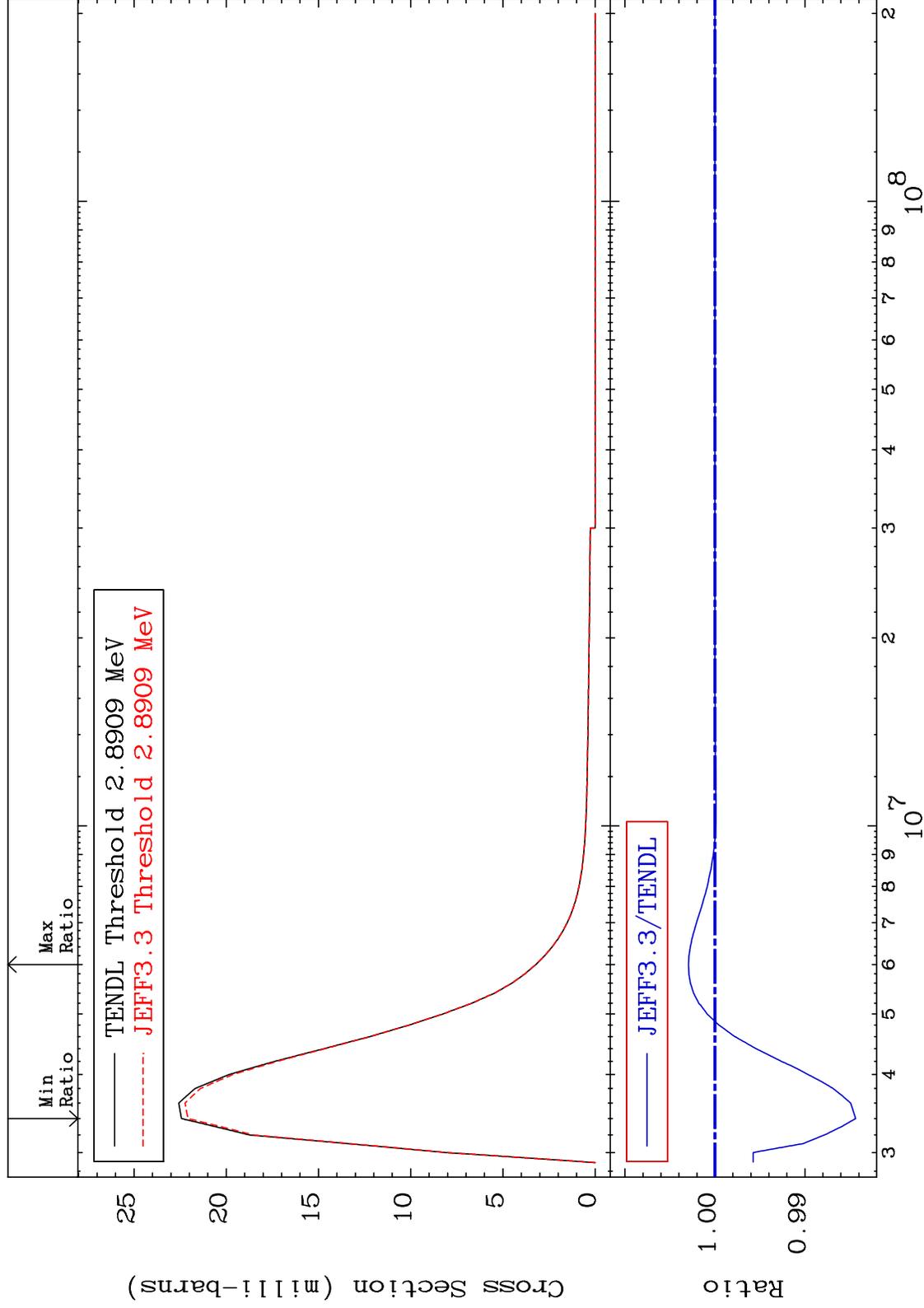
Incident Energy (eV)

34-Se-76

MAT 3431

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

34-Se-76
-1.565 To 0.295 %



47

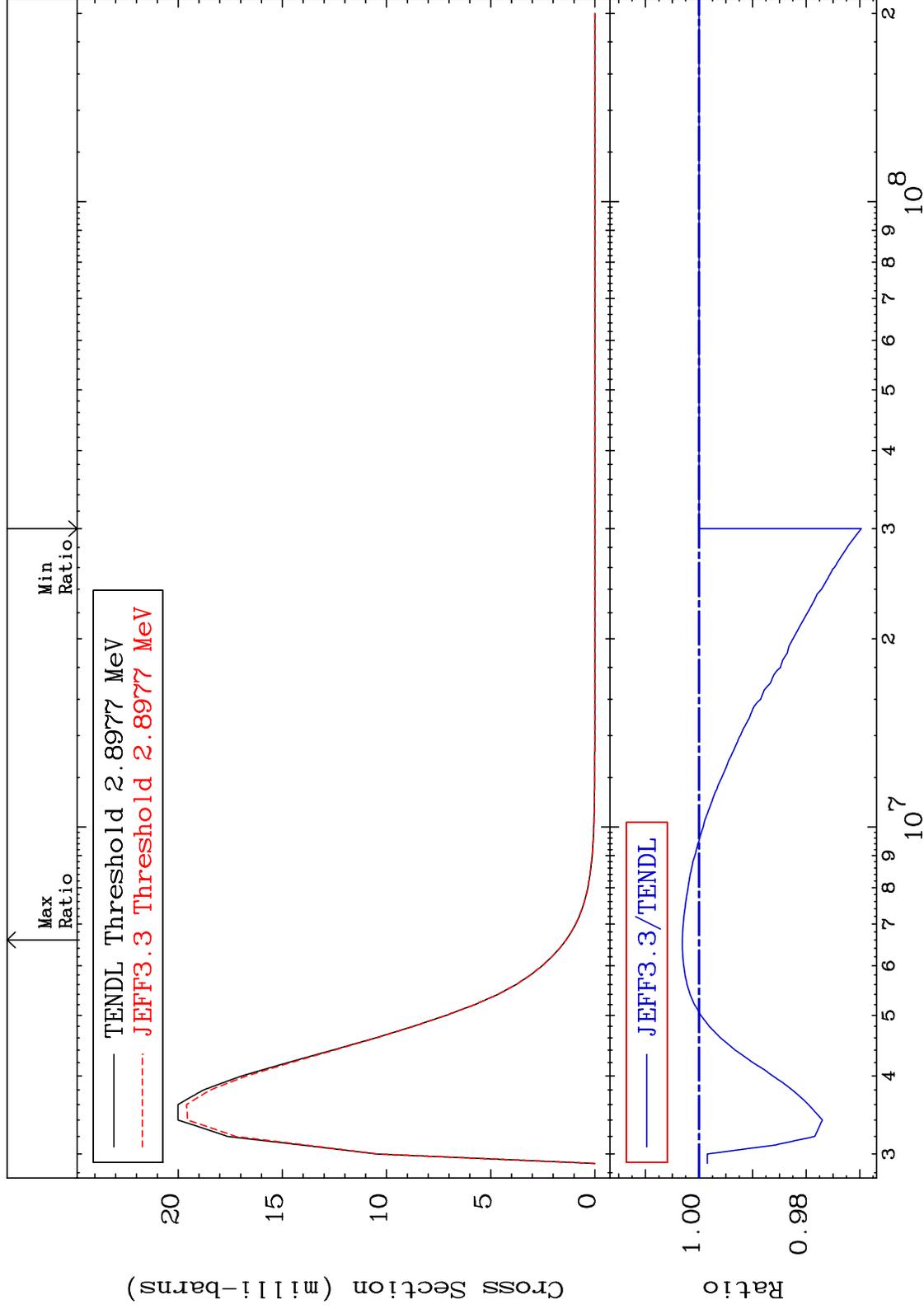
Incident Energy (eV)

34-Se-76

MAT 3431

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

34-Se-76
-3.029 To 0.310 %

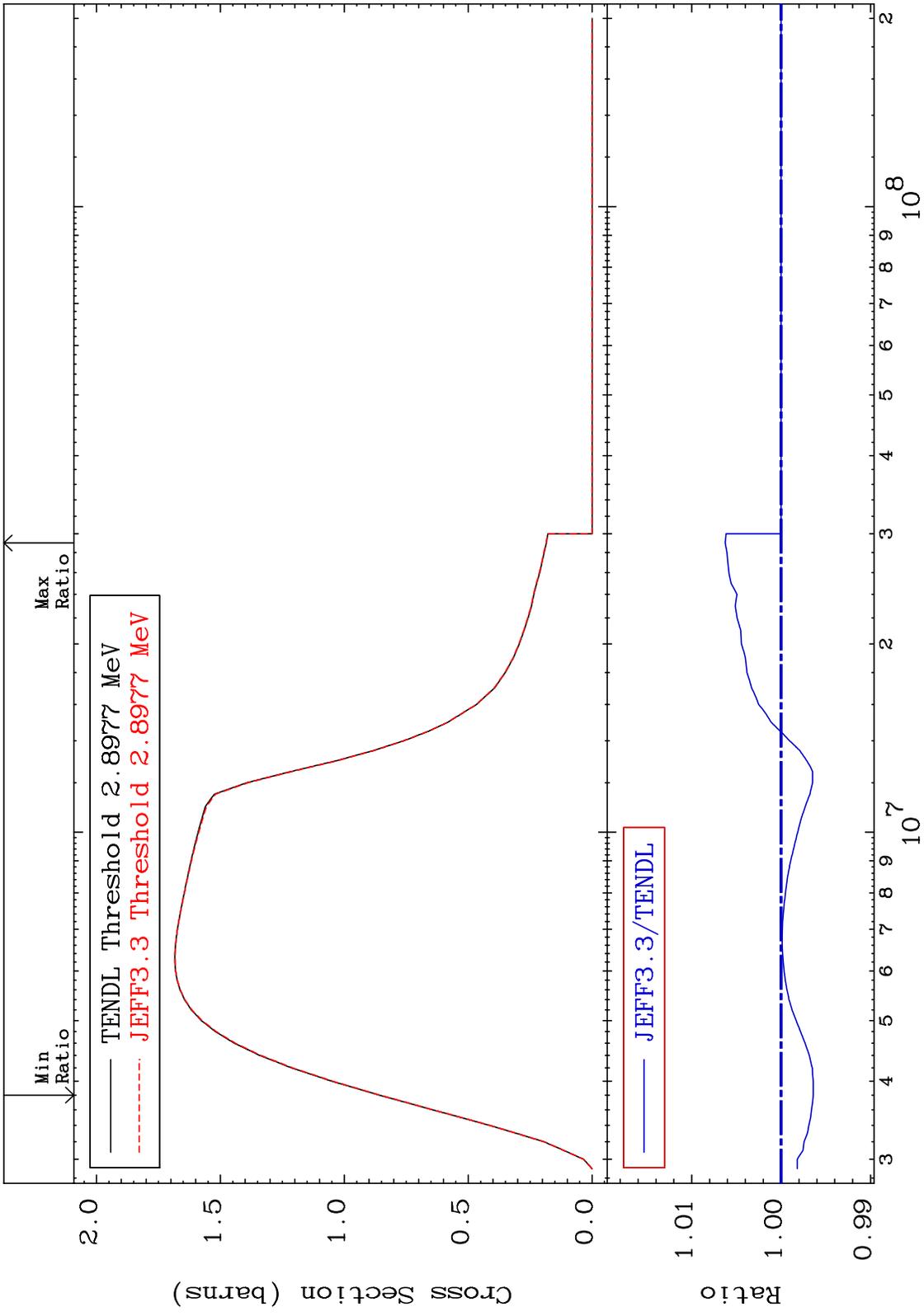


48

Incident Energy (eV)

34-Se-76

MAT 3431 (n, n') Continuum Cross Section 34-Se-76 -0.360 To 0.625 %



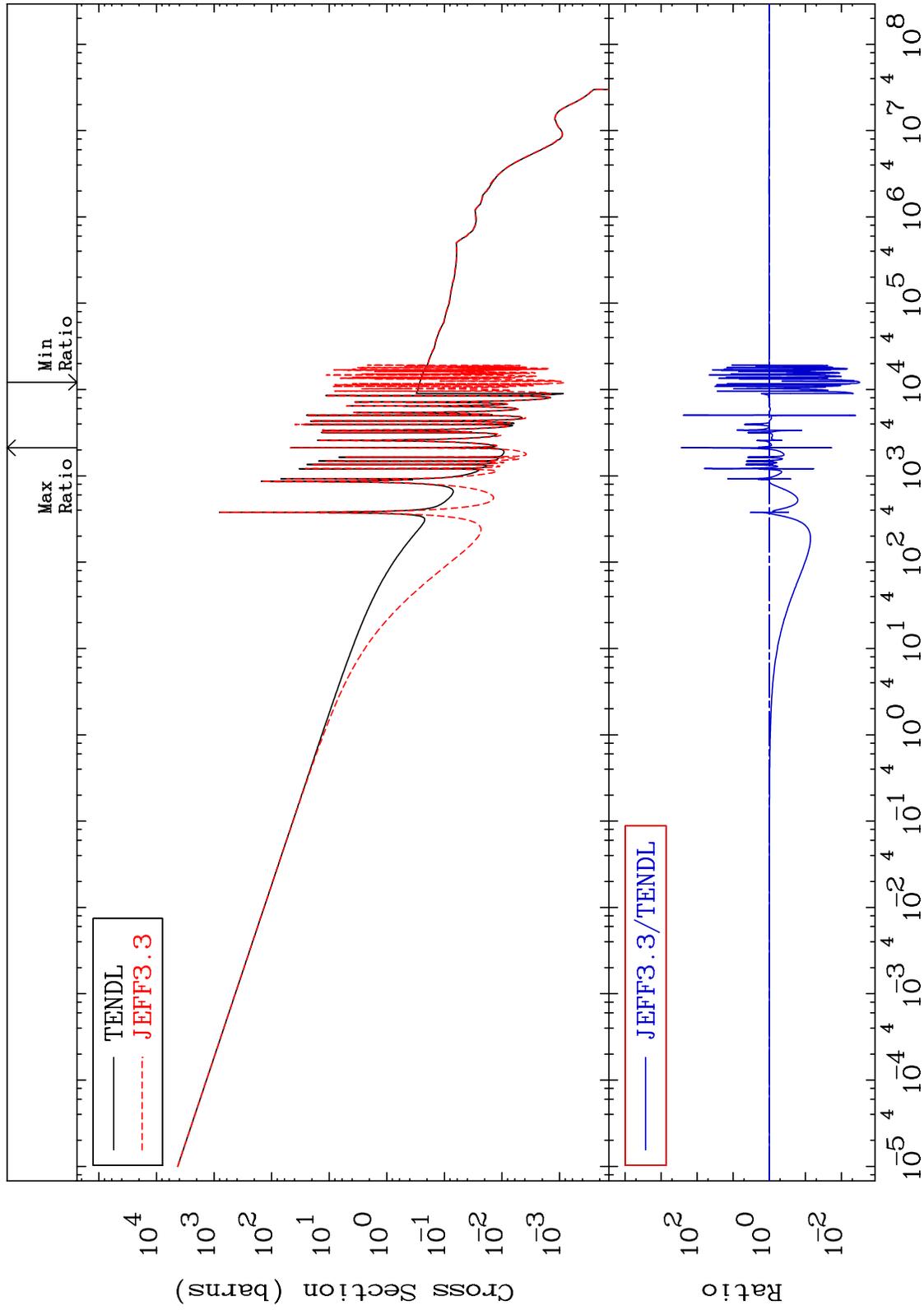
MAT 3431

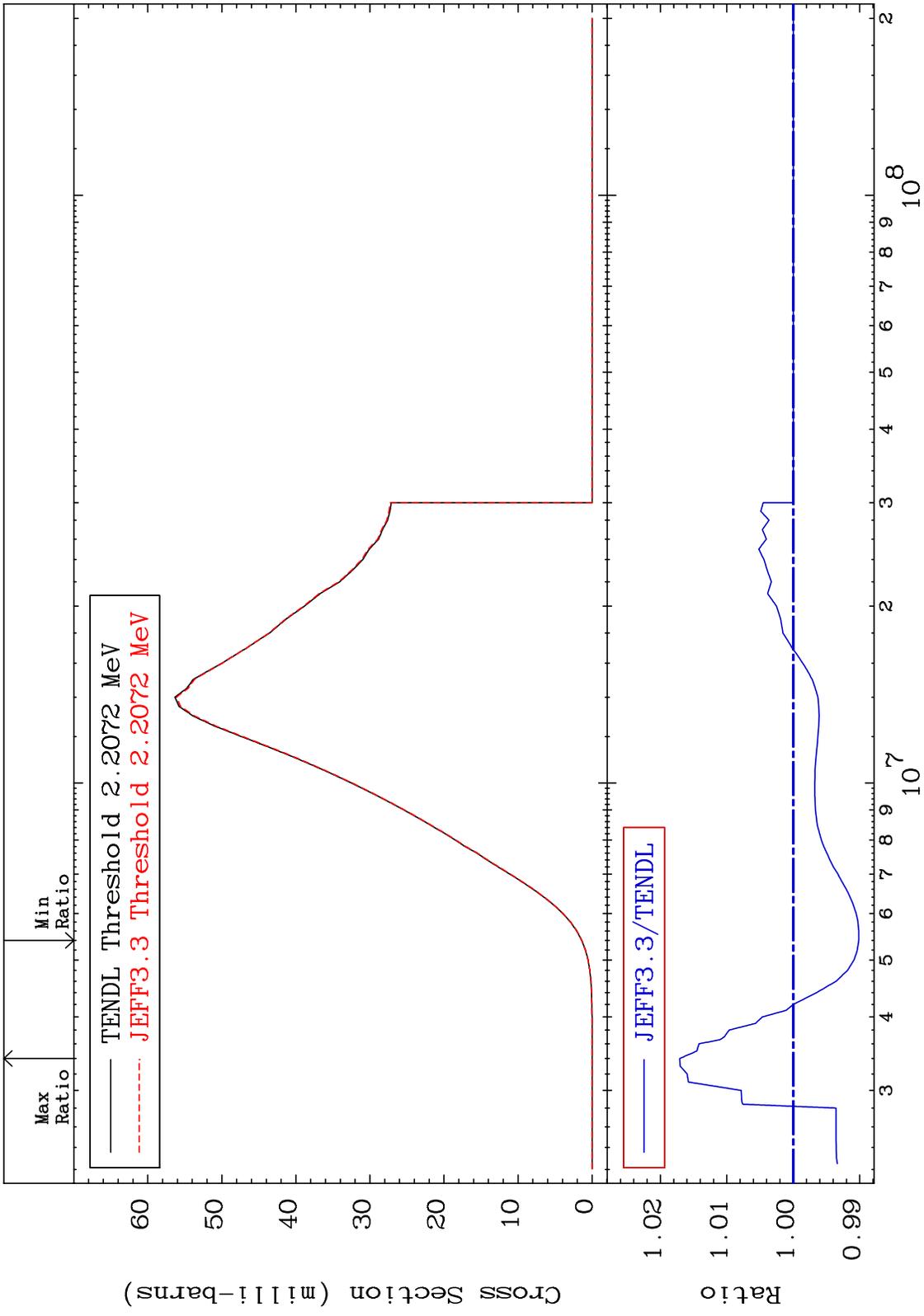
³⁴Se-76

-99.69 To 9999. %

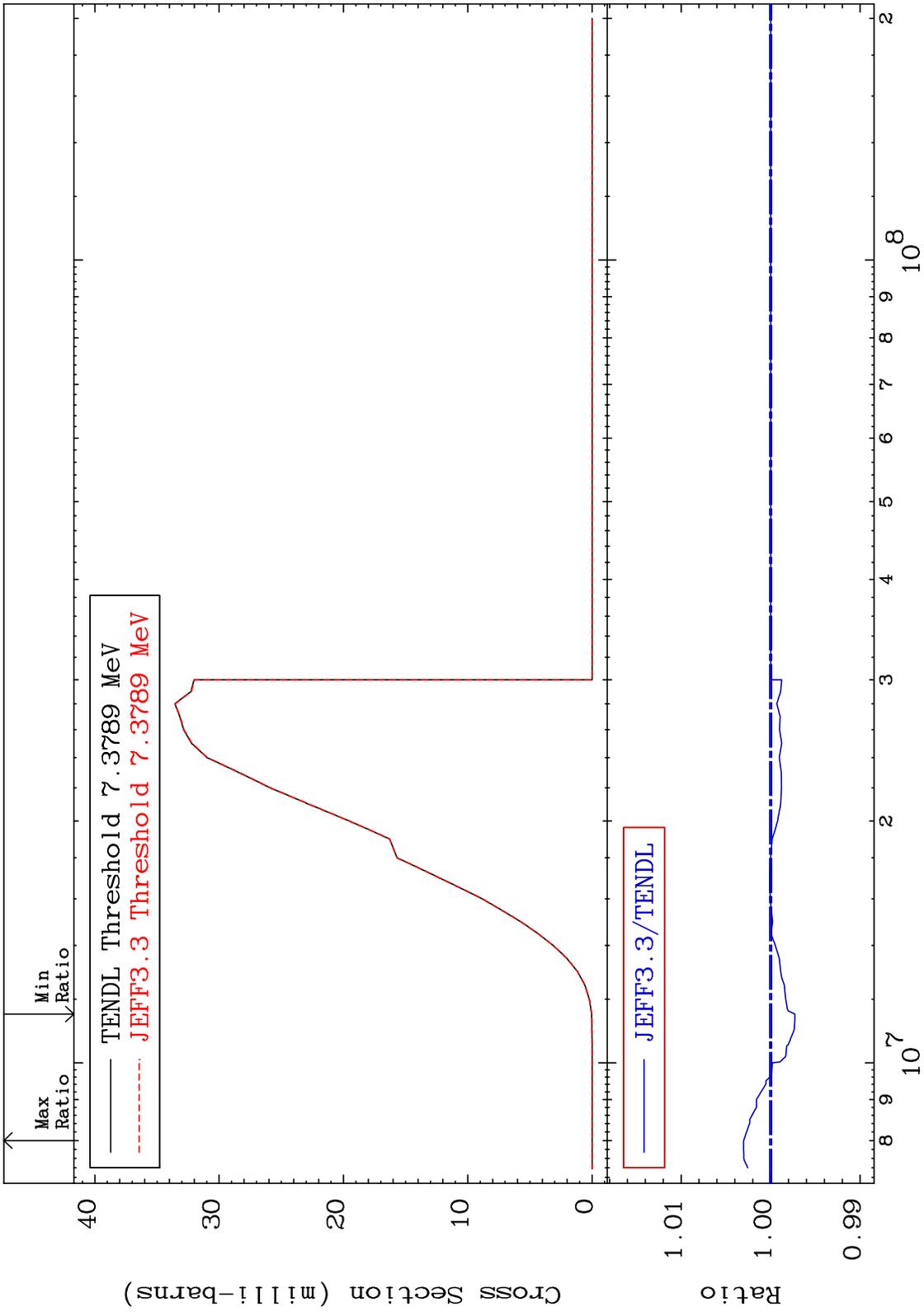
(n,γ)

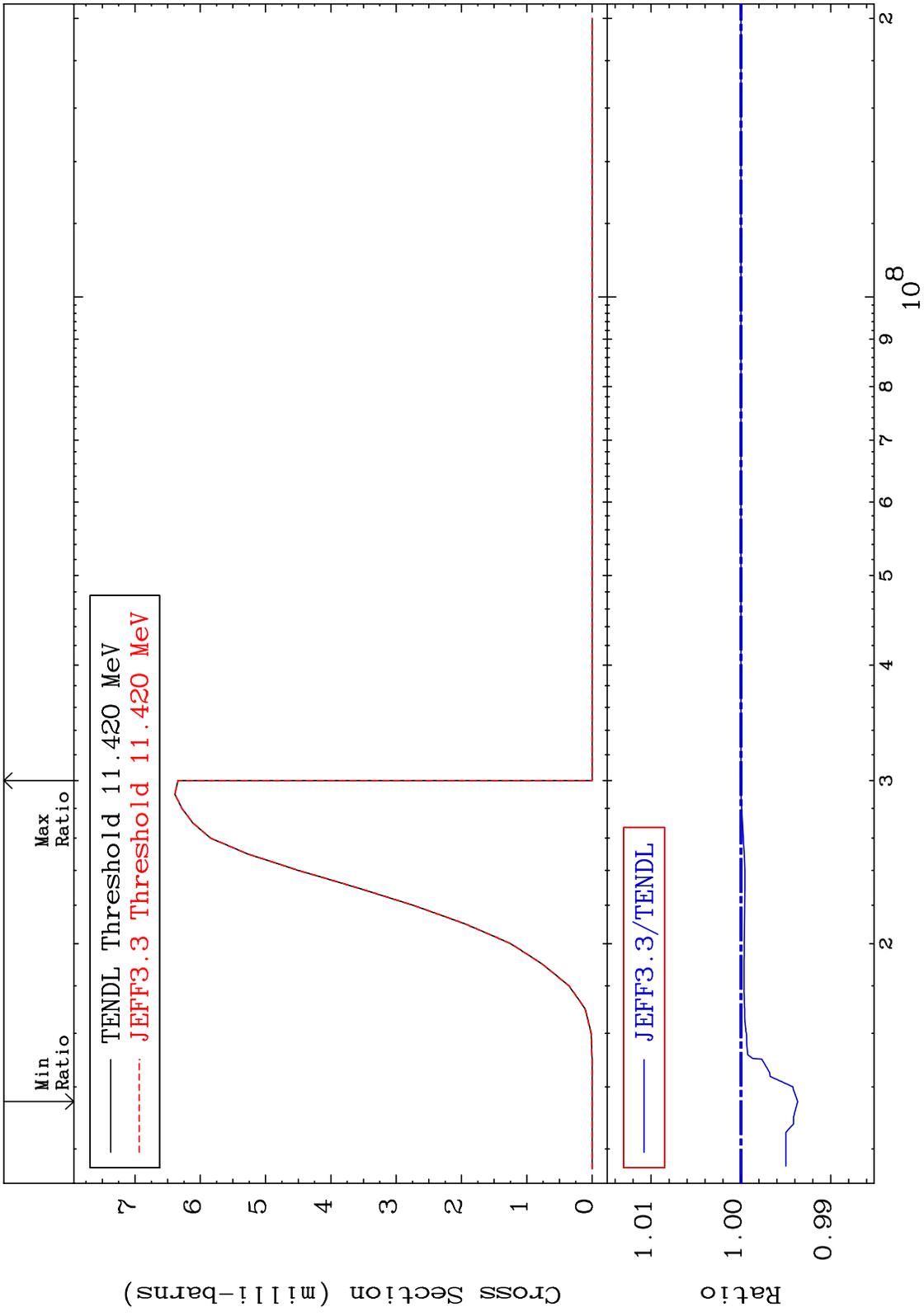
Cross Section

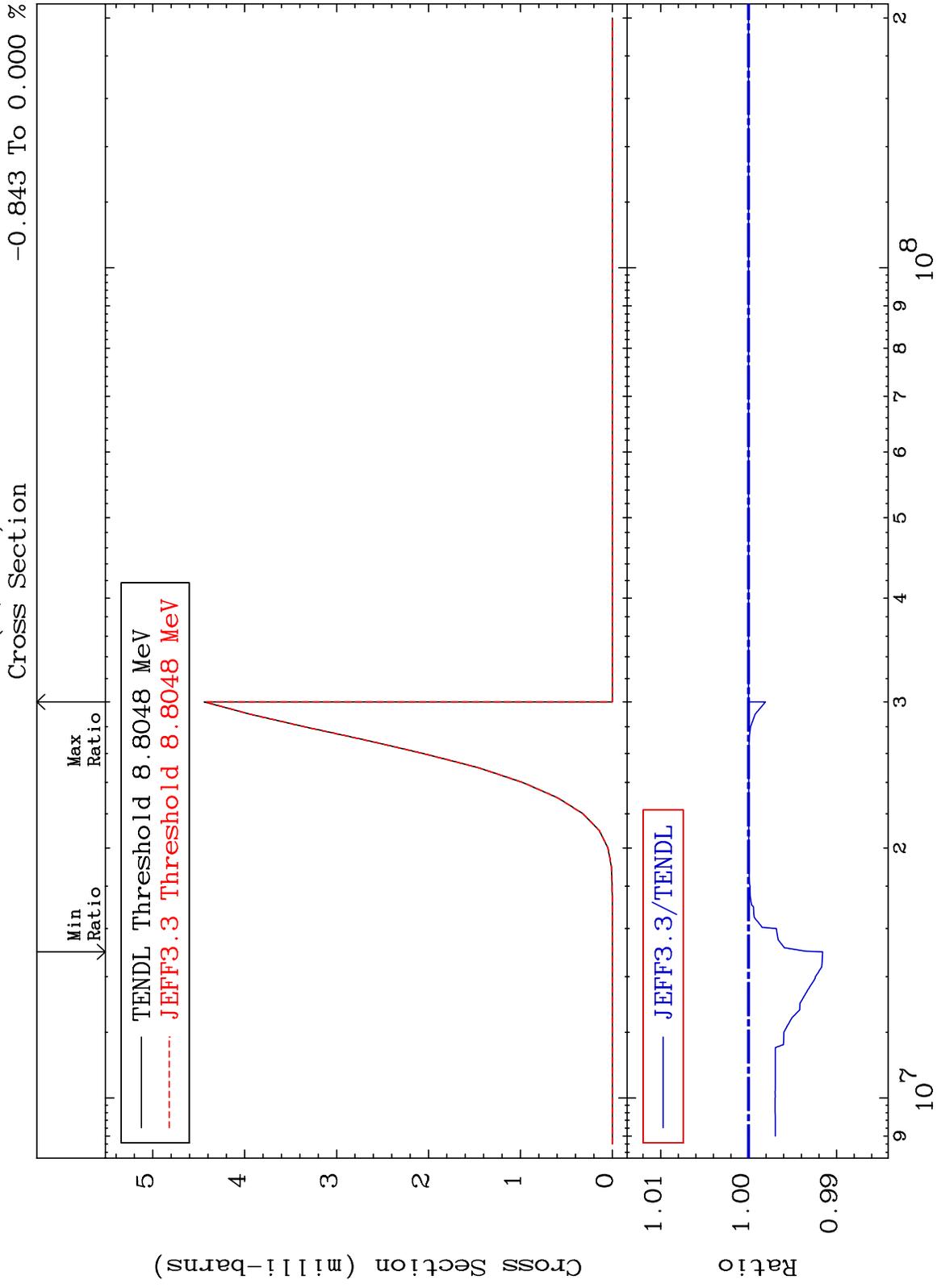


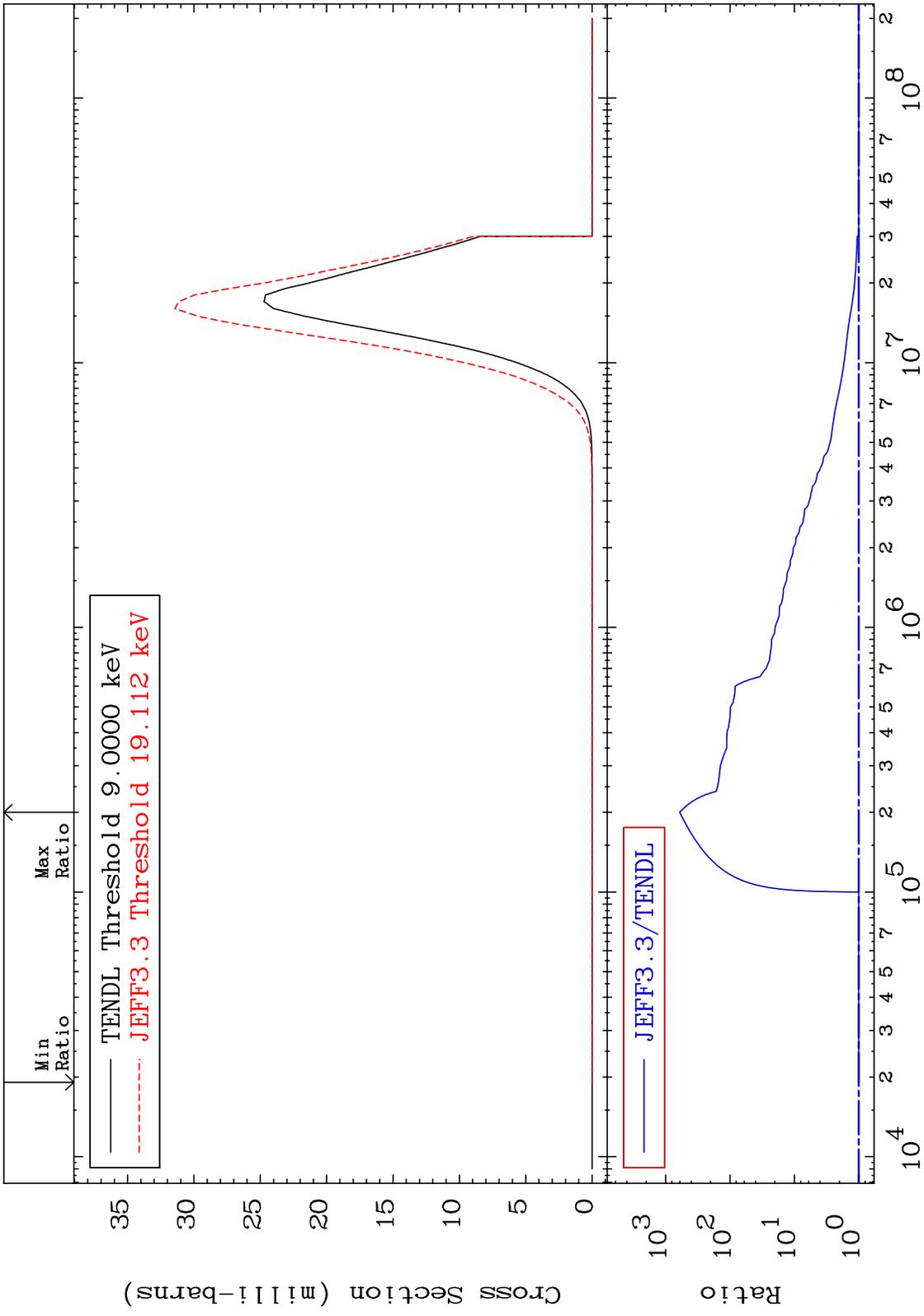


MAT 3431 (n,d) ³⁴Se-76 -0.271 To 0.302 %
 Cross Section

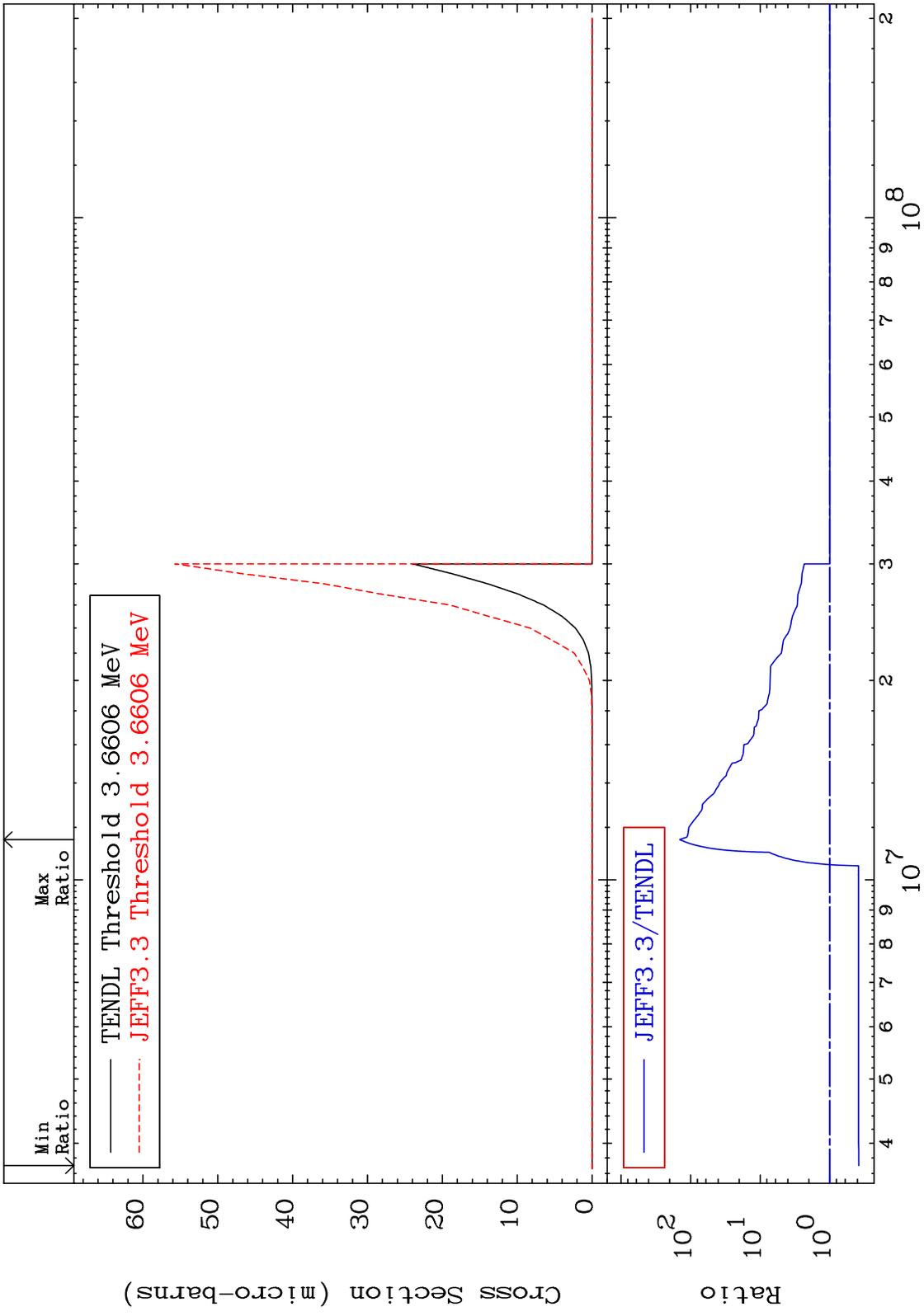




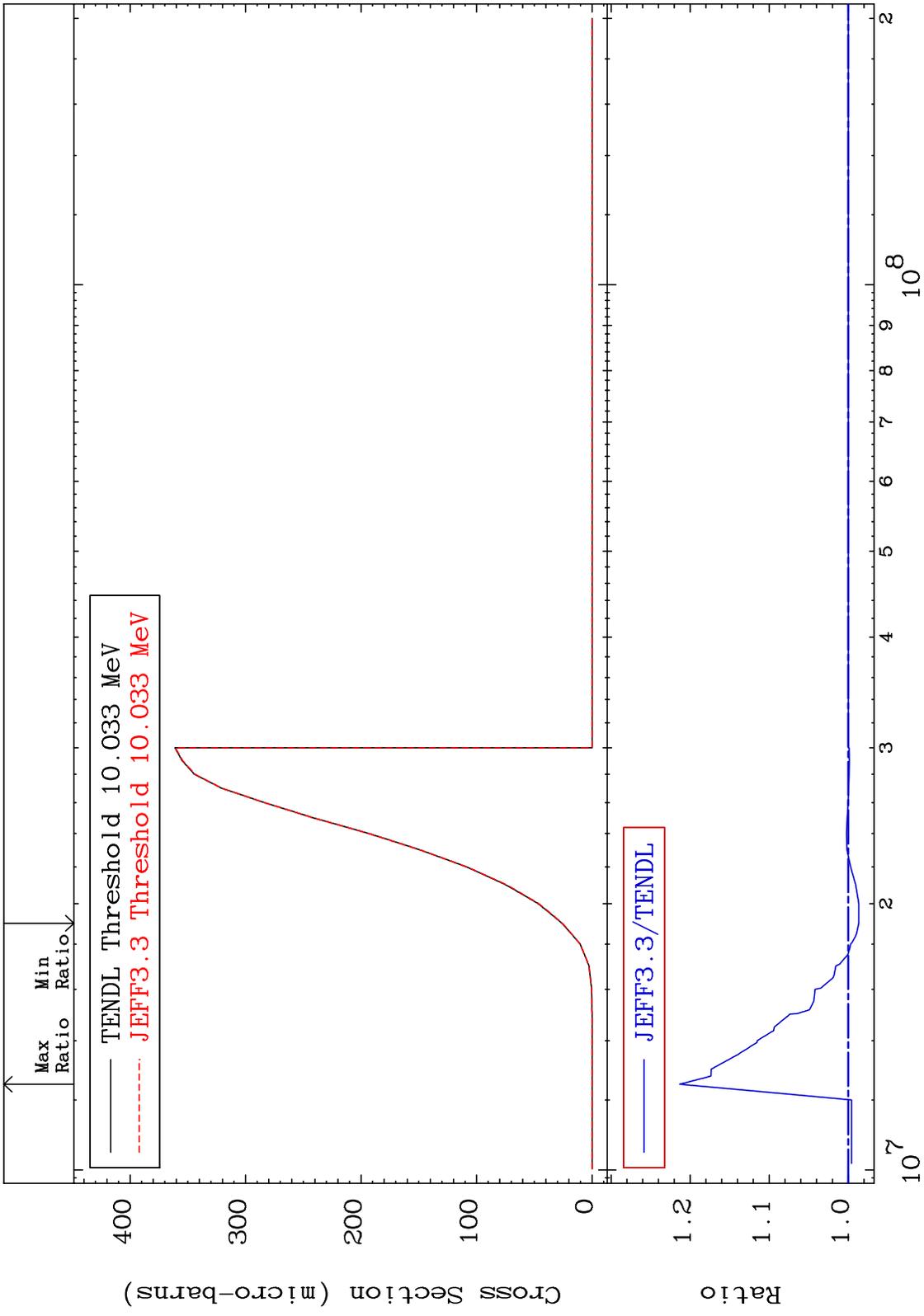




MAT 3431 $(n, 2\alpha)$ Cross Section $^{34}\text{Se-76}$
 -61.76 To 9999. %



MAT 3431 (n,2p) Cross Section 34-Se-76
 -1.342 To 21.31 %



57 34-Se-76

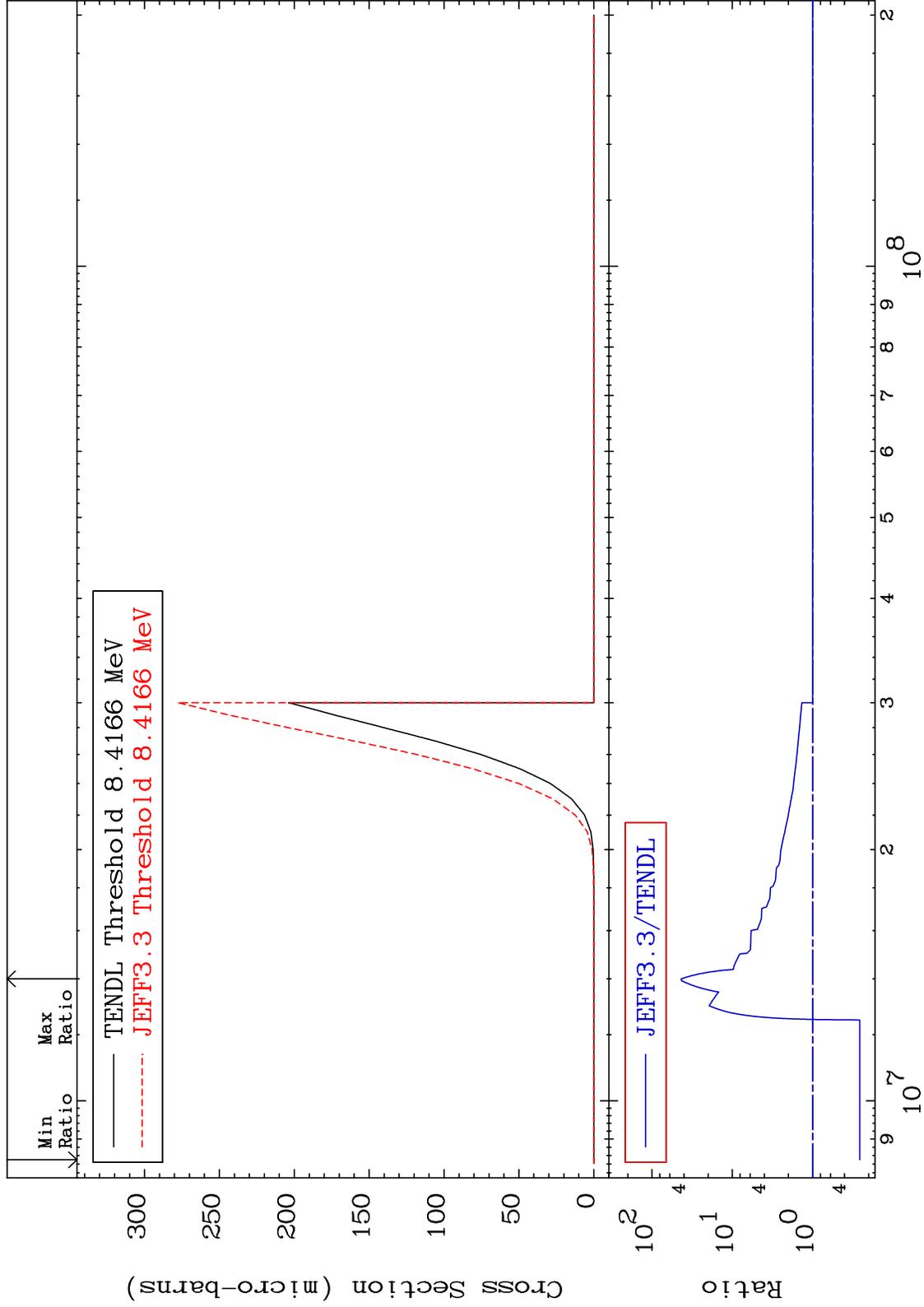
MAT 3431

(n,p) α

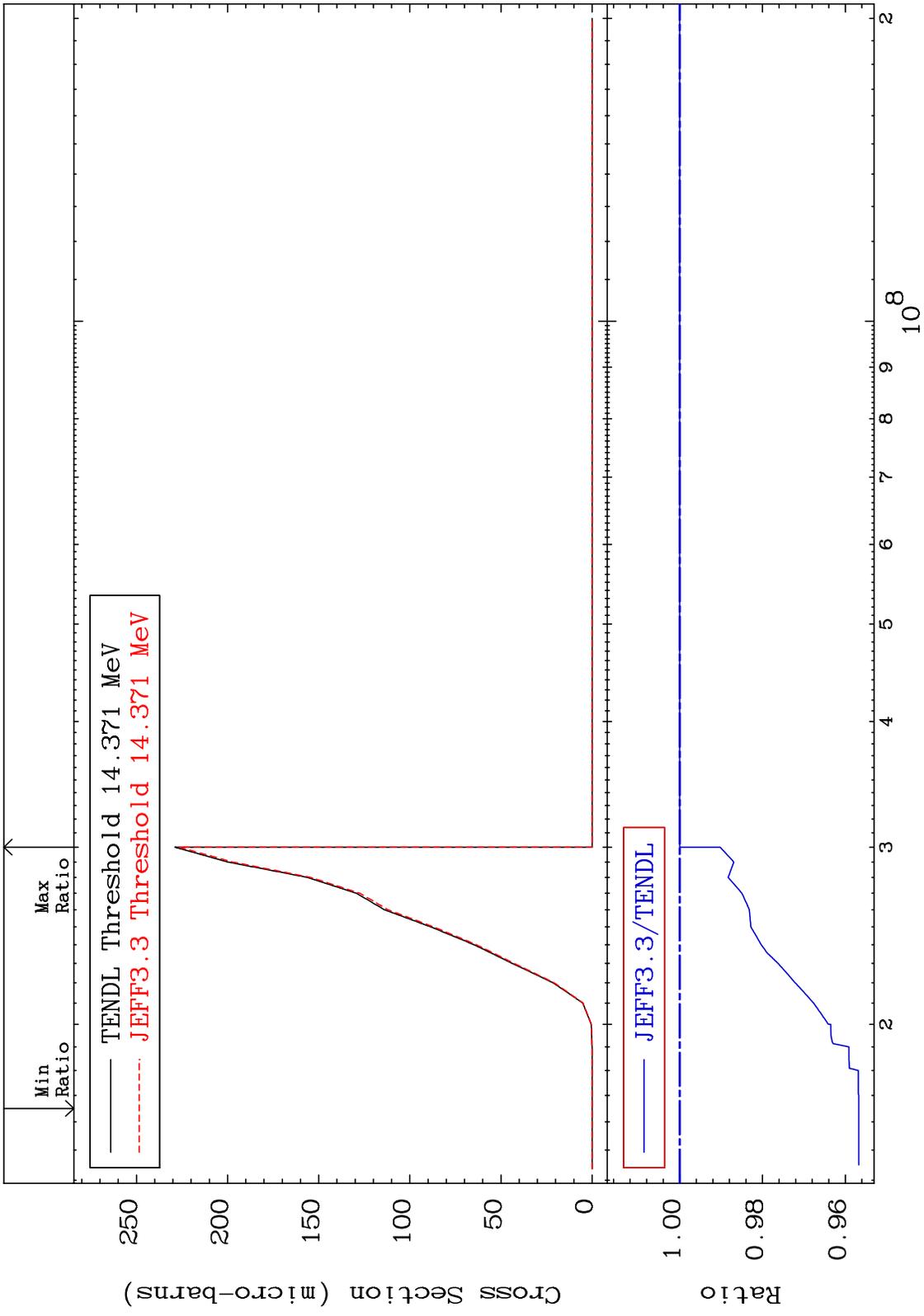
³⁴Se-76

Cross Section

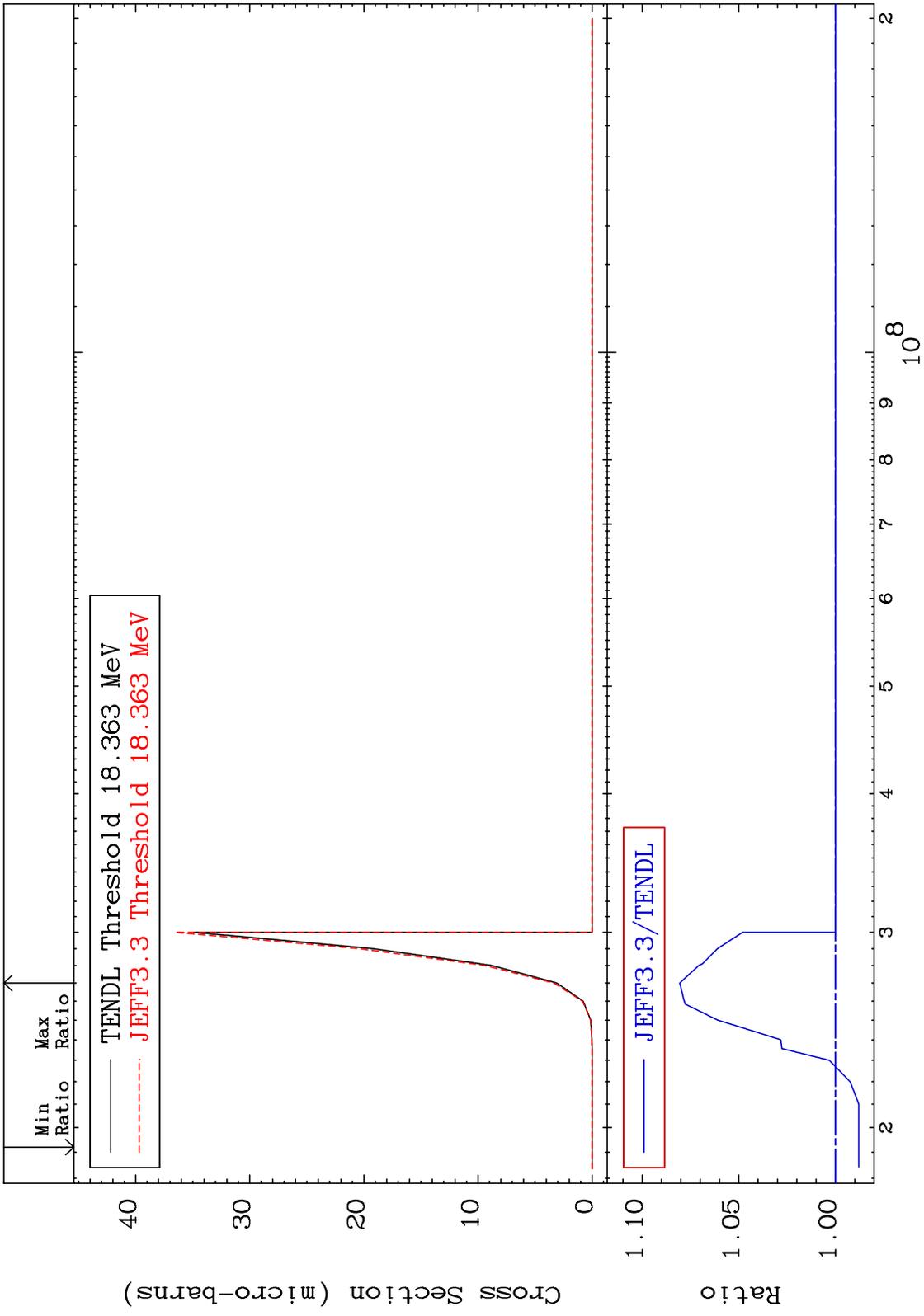
-74.17 To 4225. %



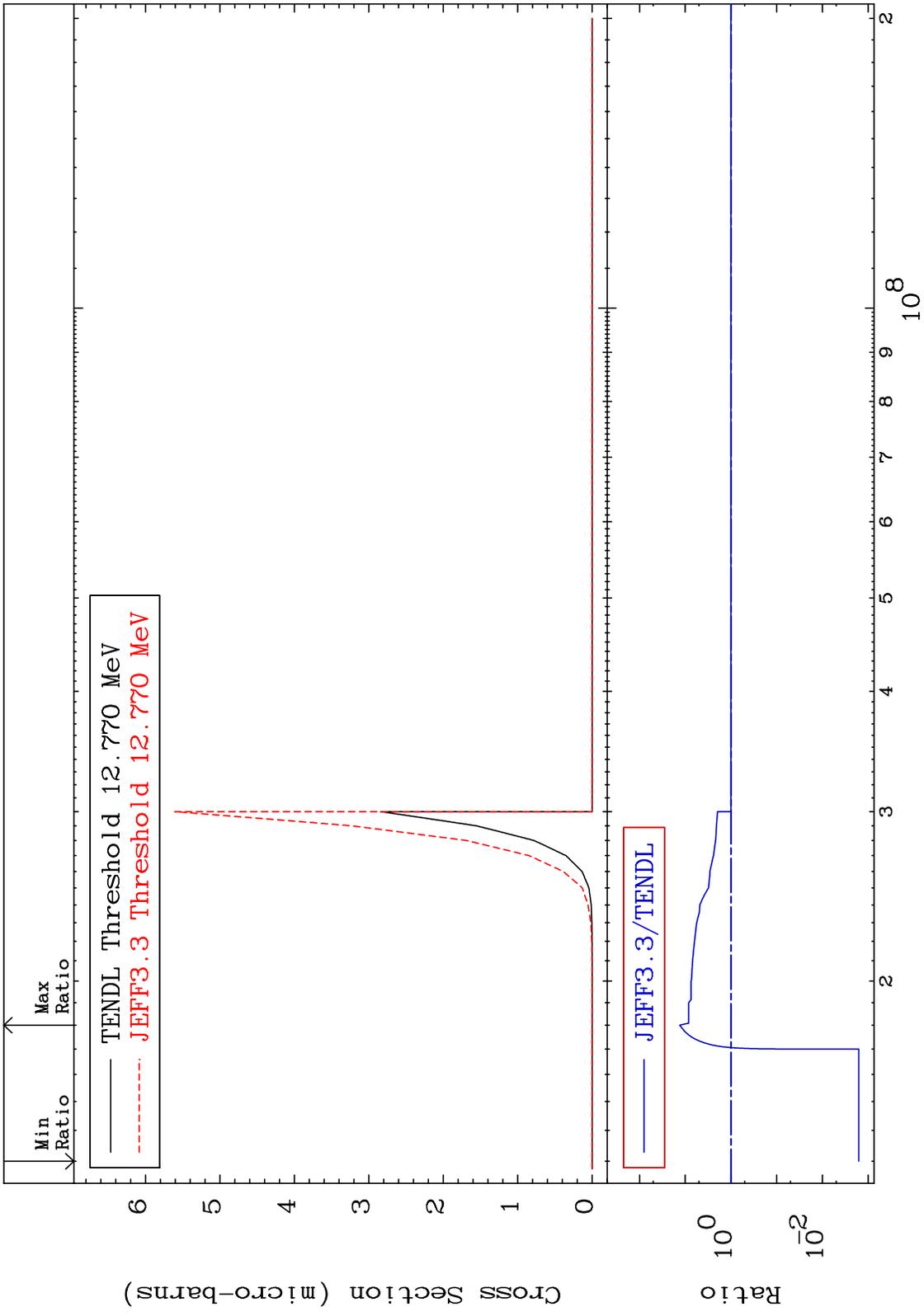
MAT 3431 (n,p) d 34-Se-76
 Cross Section -4.326 To 0.000 %



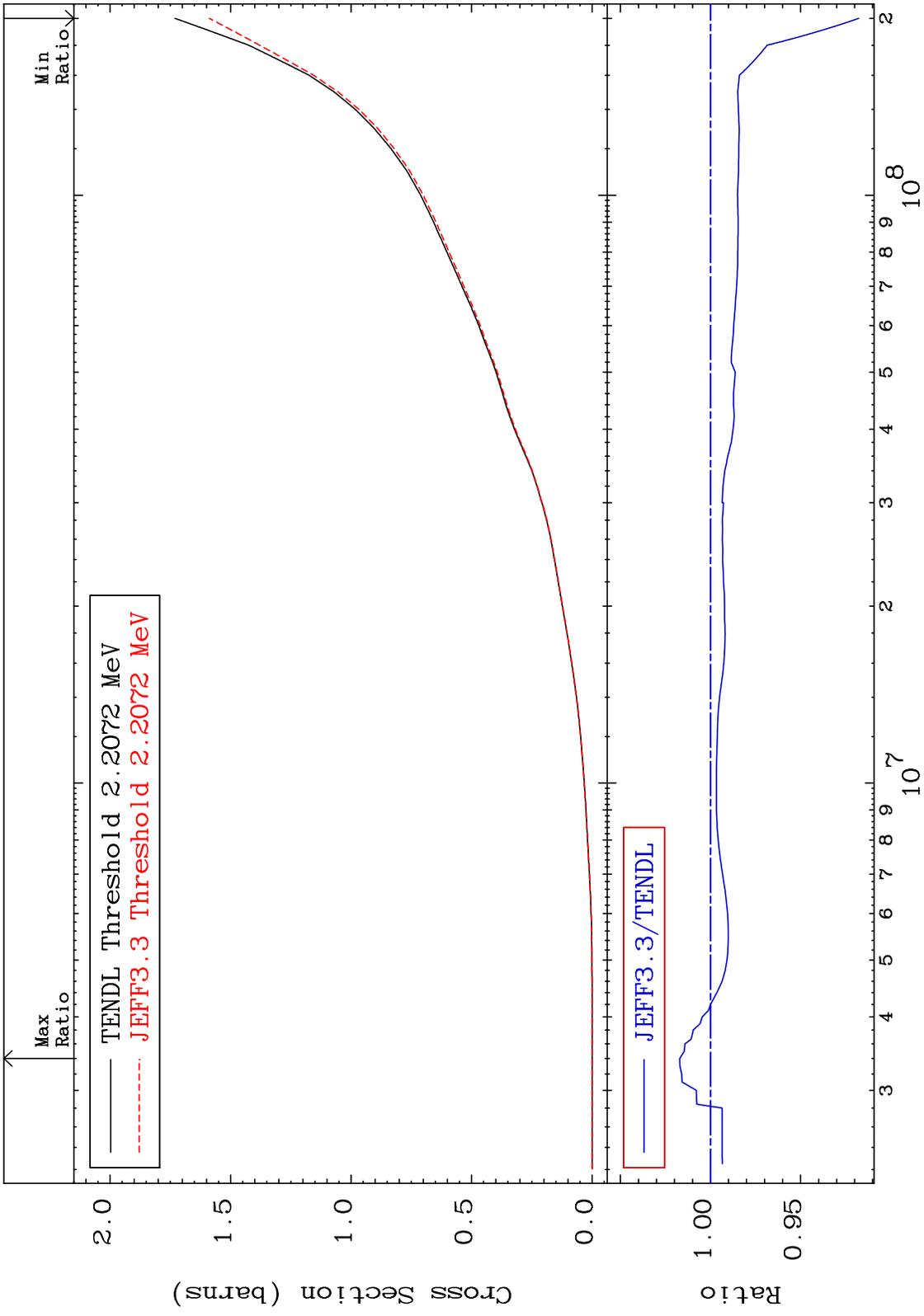
MAT 3431 (n,p) t 34-Se-76
Cross Section -1.208 To 8.057 %



MAT 3431 (n,d) α 34-Se-76
Cross Section -99.84 To 1220. %



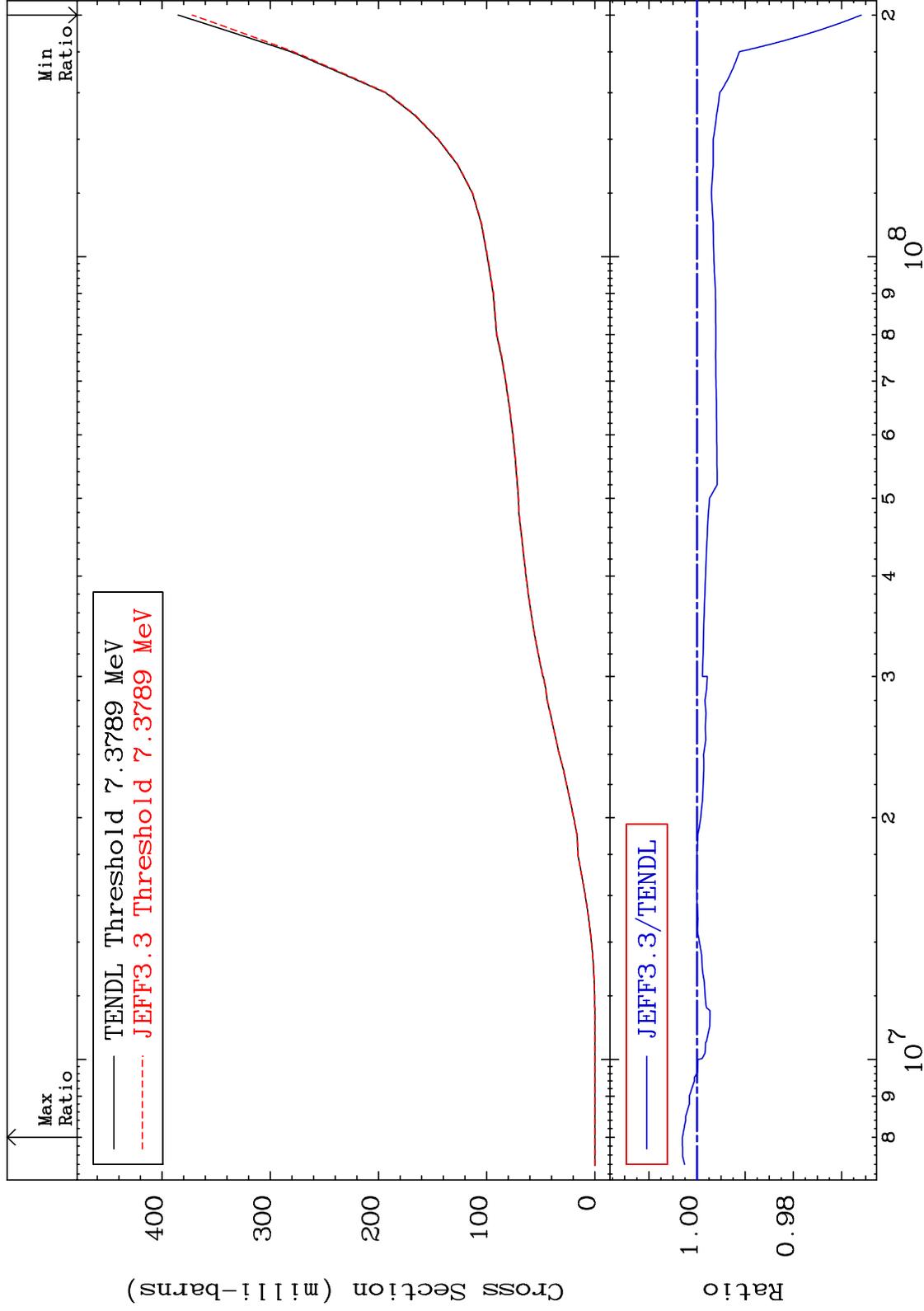
MAT 3431 Hydrogen Production Cross Section 34-Se-76
 -8.232 To 1.708 %



MAT 3431

Deuterium Production
Cross Section

³⁴Se-76
-3.412 To 0.302 %



63

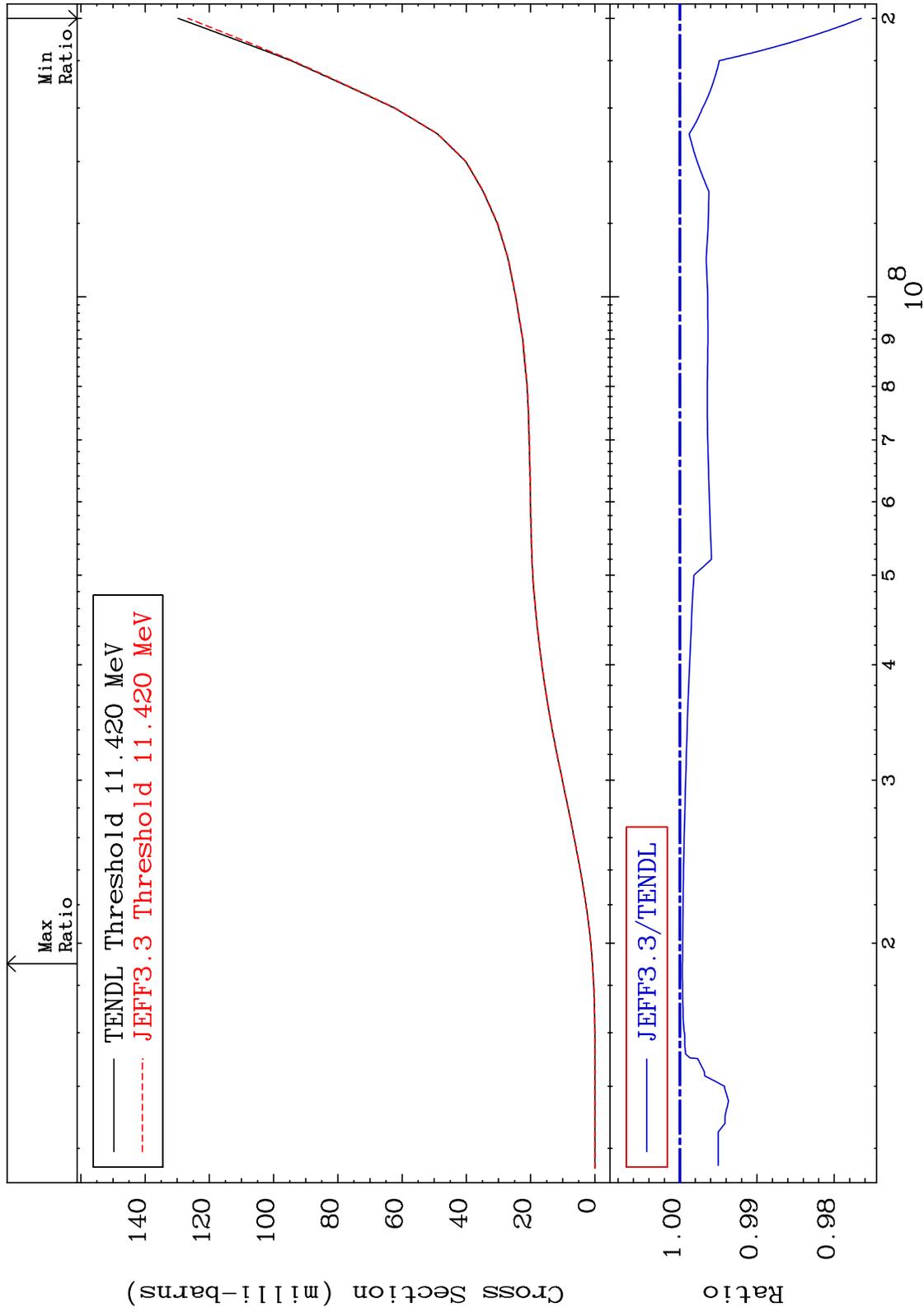
Incident Energy (eV)

³⁴Se-76

MAT 3431

Tritium Production
Cross Section

$^{34}\text{Se-76}$
-2.352 To -0.034%



64

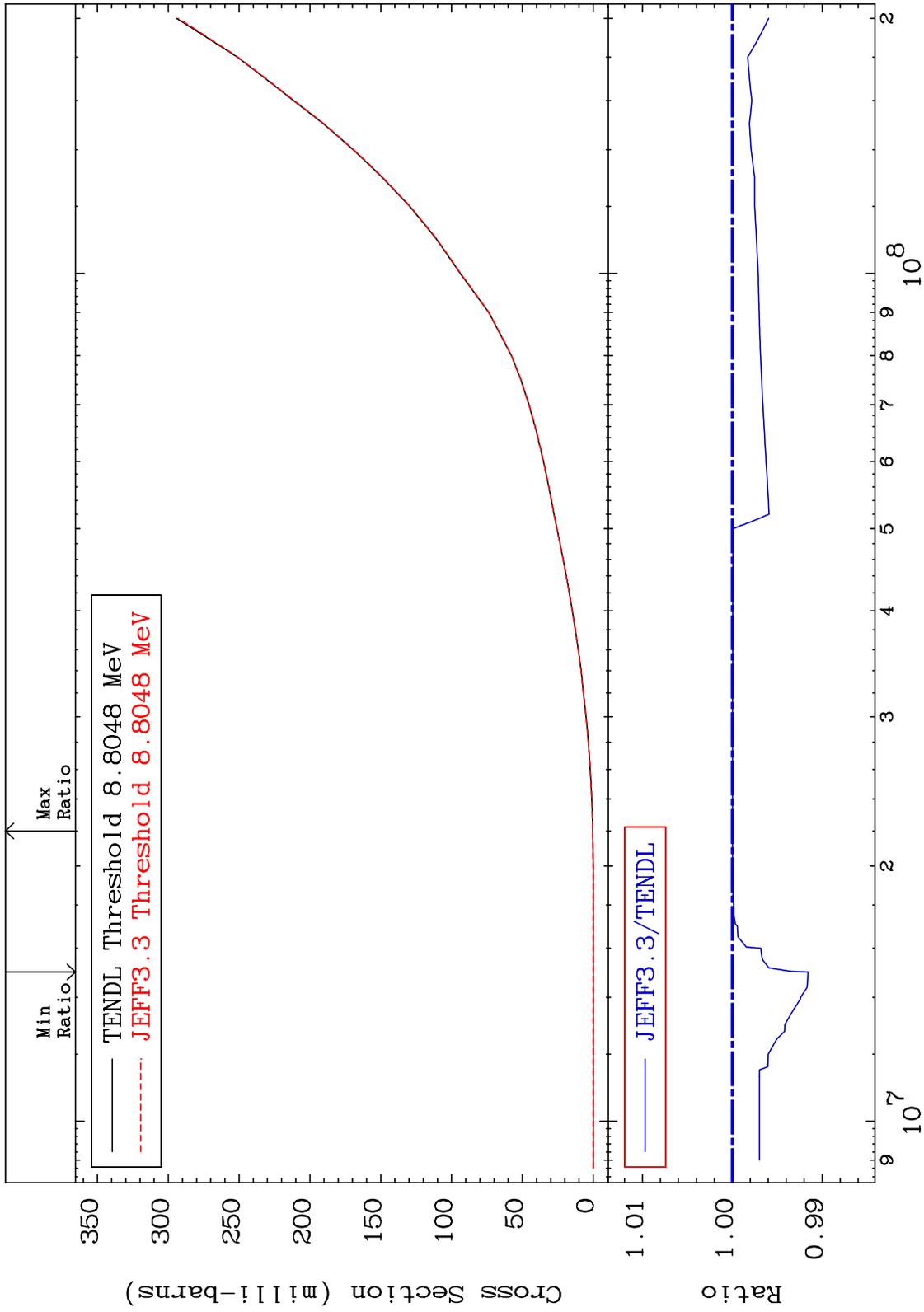
Incident Energy (eV)

$^{34}\text{Se-76}$

MAT 3431

He-3 Production
Cross Section

34-Se-76
-0.843 To -0.002%



65

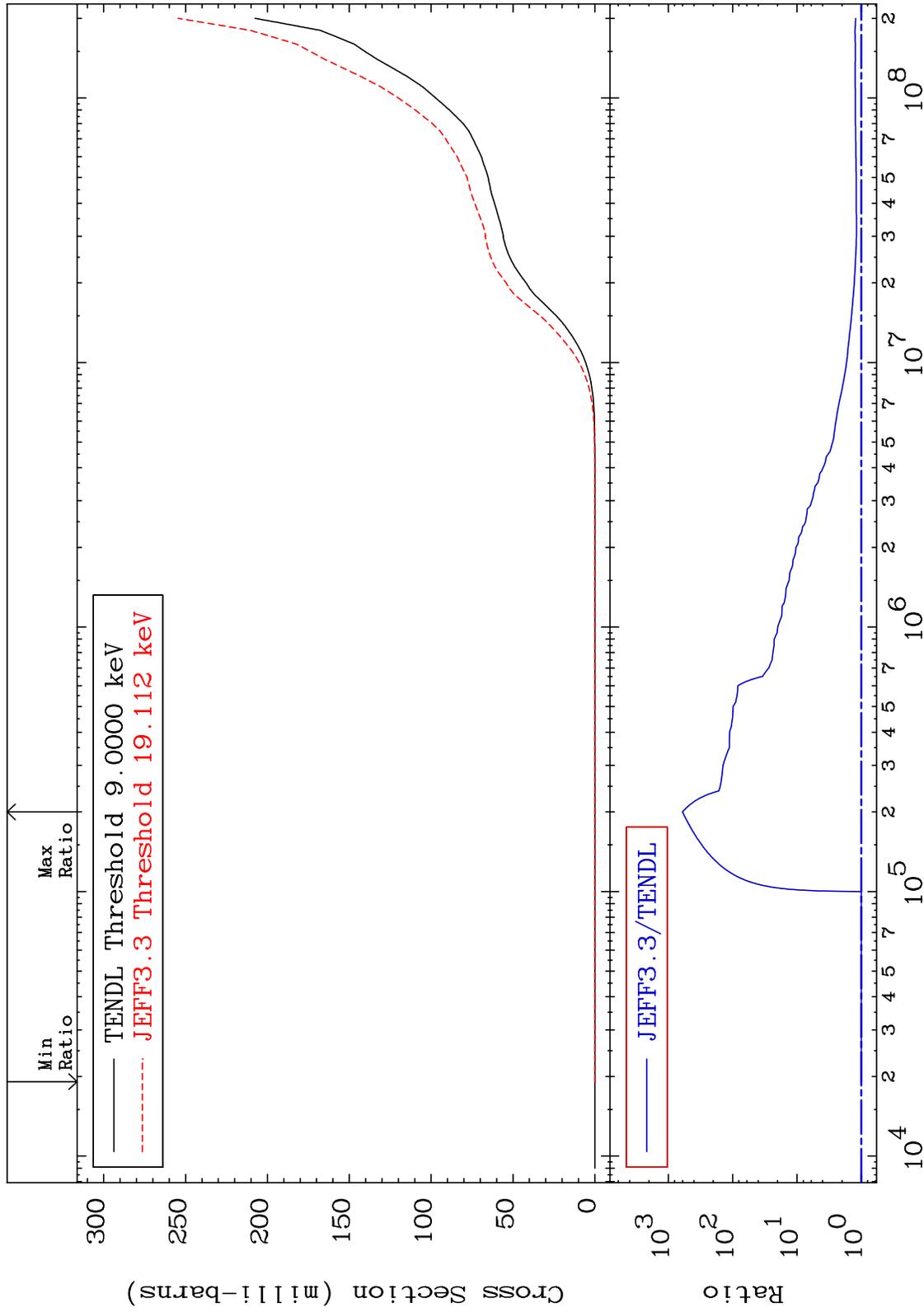
Incident Energy (eV)

34-Se-76

MAT 3431

He-4 Production
Cross Section

34-Se-76
To 9999. %



66

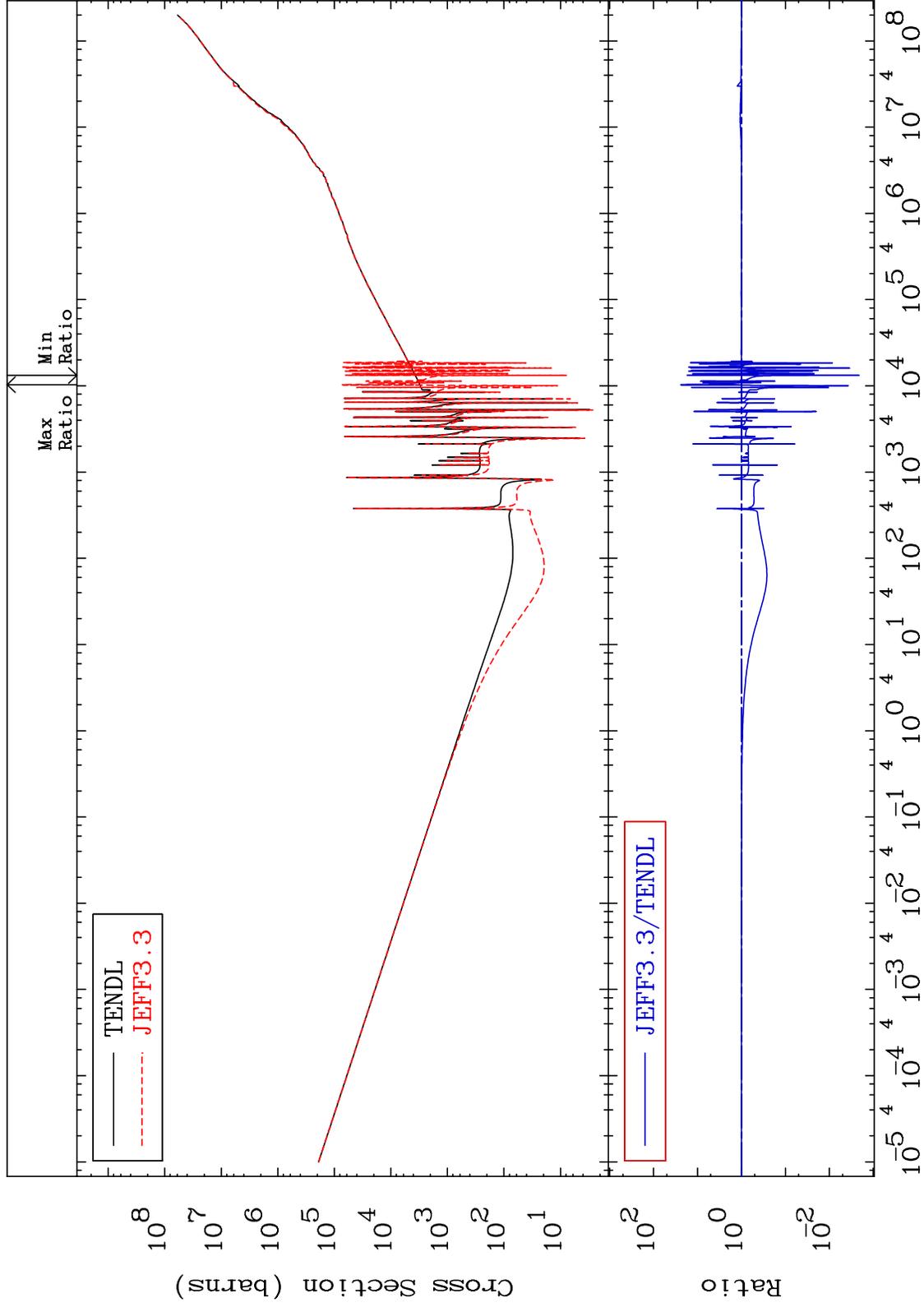
Incident Energy (eV)

34-Se-76

MAT 3431

Kerma total (eV-barns)
Cross Section

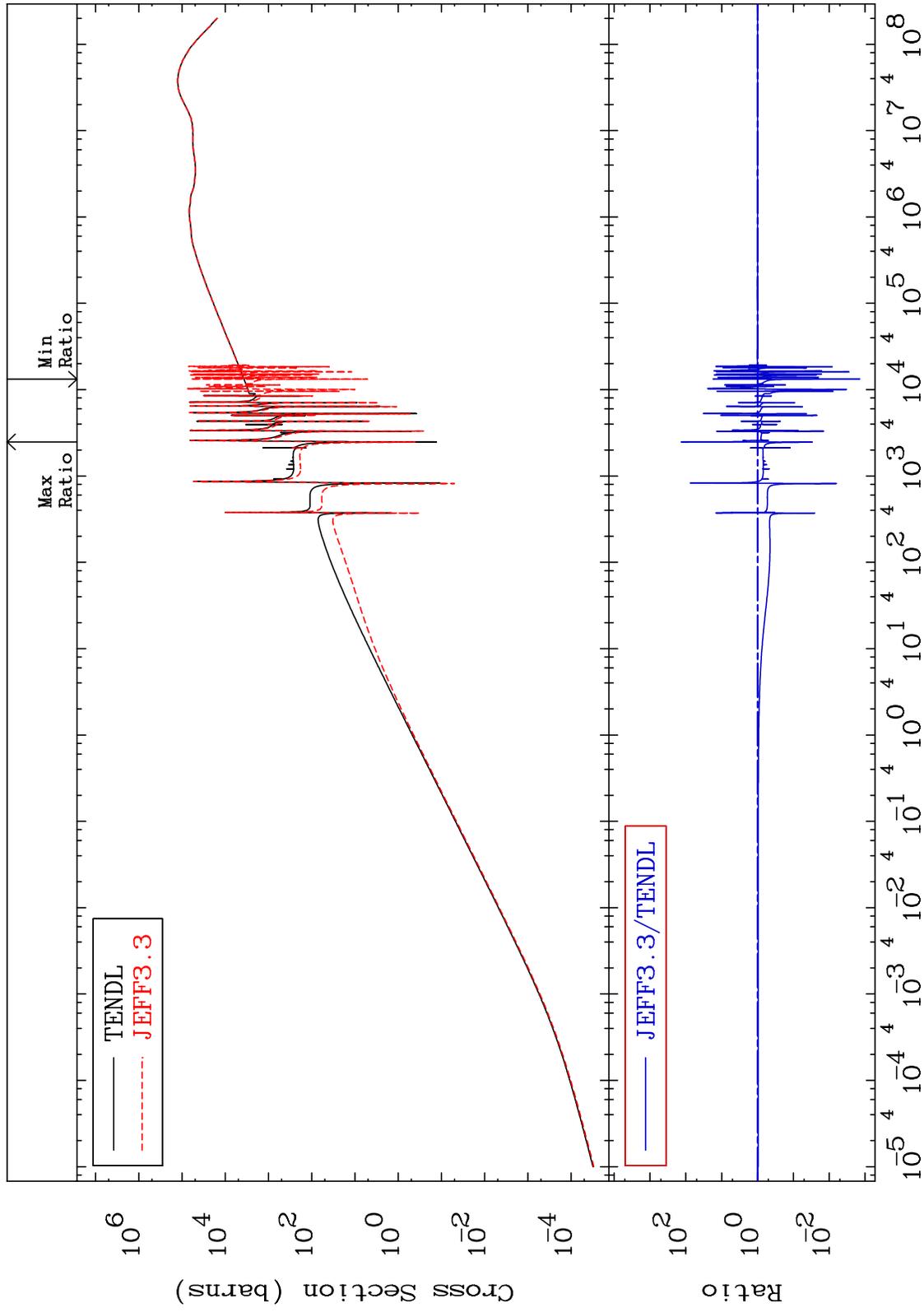
34-Se-76
-99.79 To 2325. %



MAT 3431

Kerma elastic
Cross Section

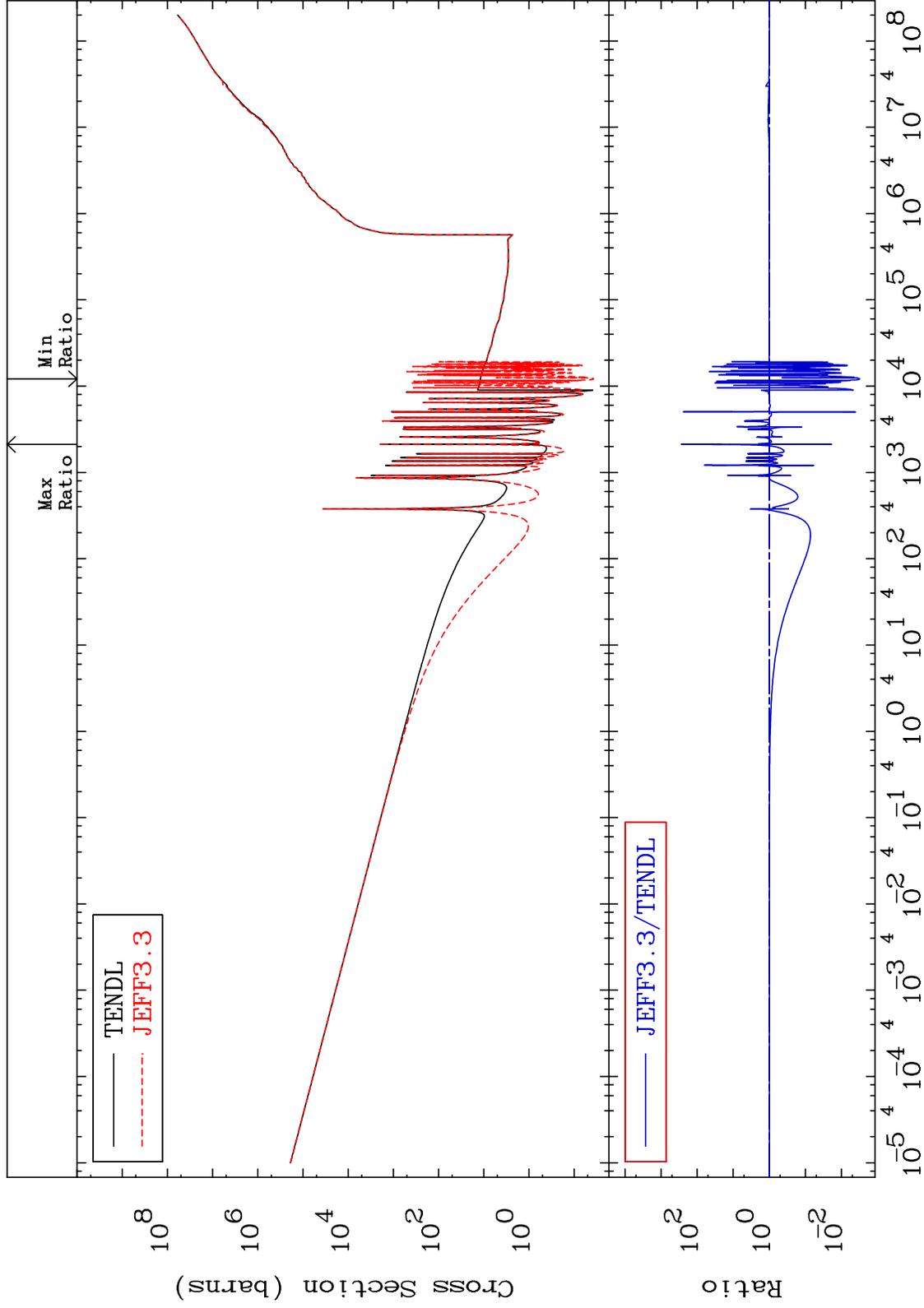
34-Se-76
-99.86 To 9999. %



MAT 3431

Kerma non-elastic (all but mt2)
Cross Section

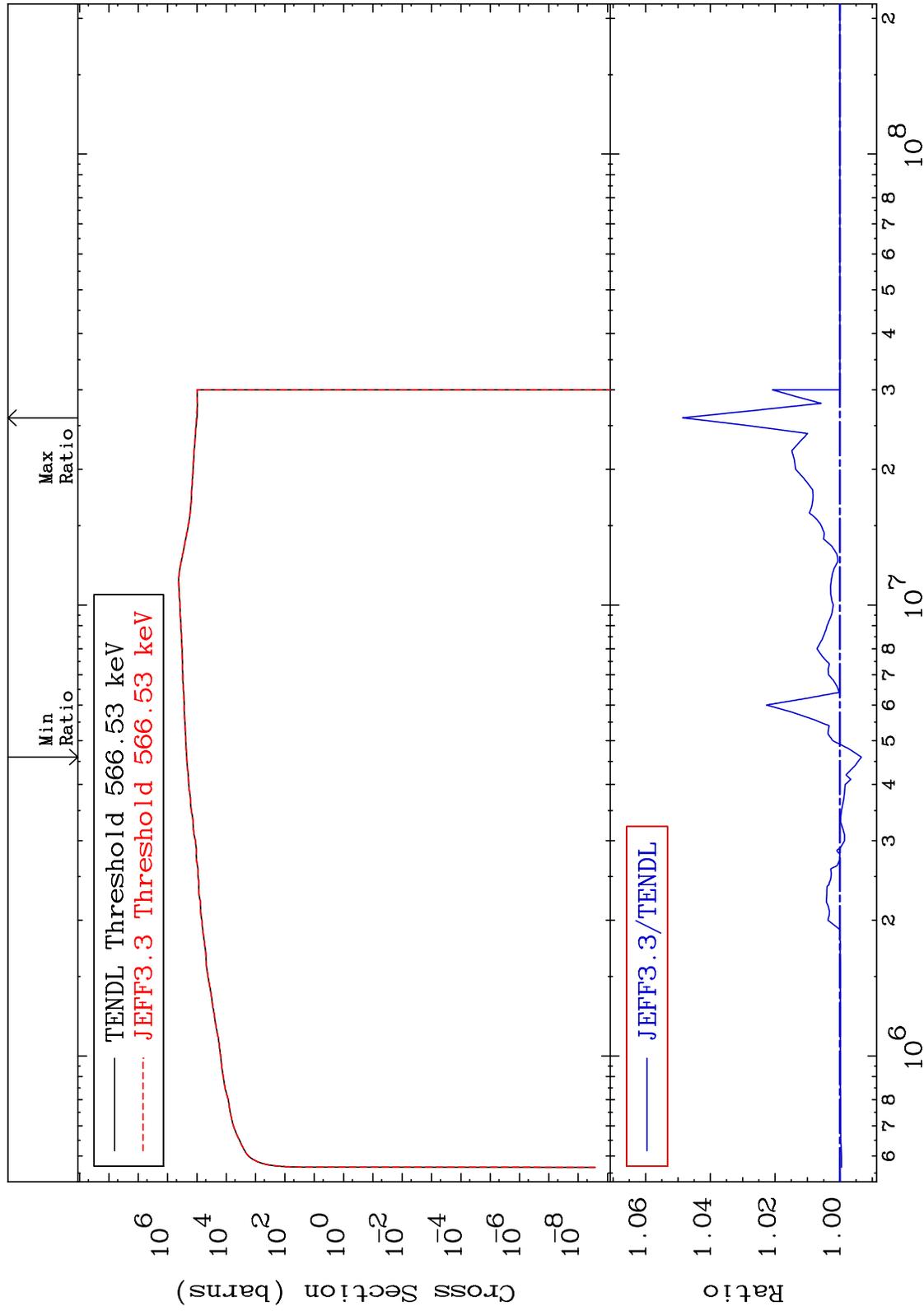
34-Se-76
-99.69 To 9999. %



MAT 3431

Kerma inelastic (mt51-91)
Cross Section

34-Se-76
-0.665 To 4.854 %



70

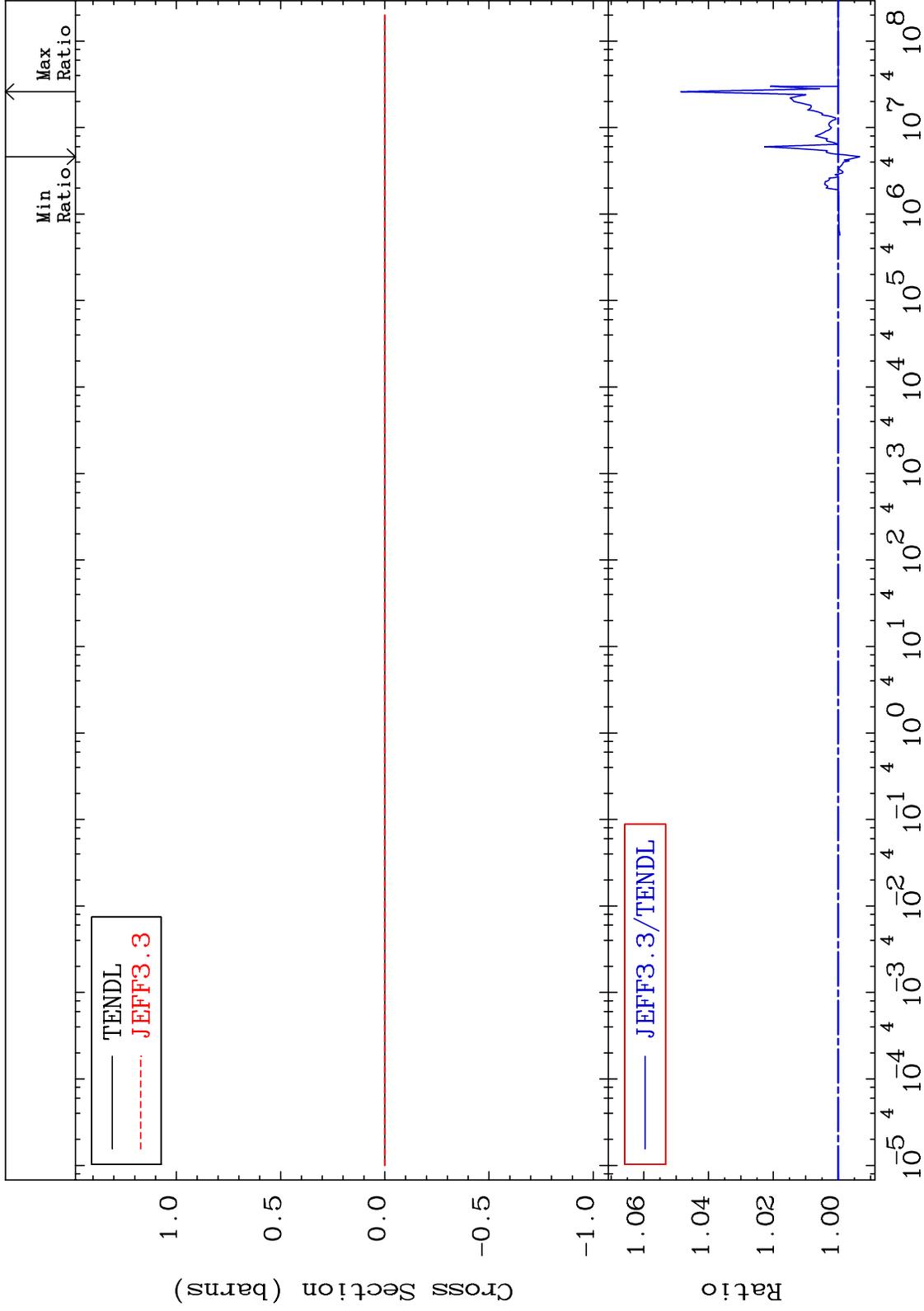
Incident Energy (eV)

34-Se-76

MAT 3431

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

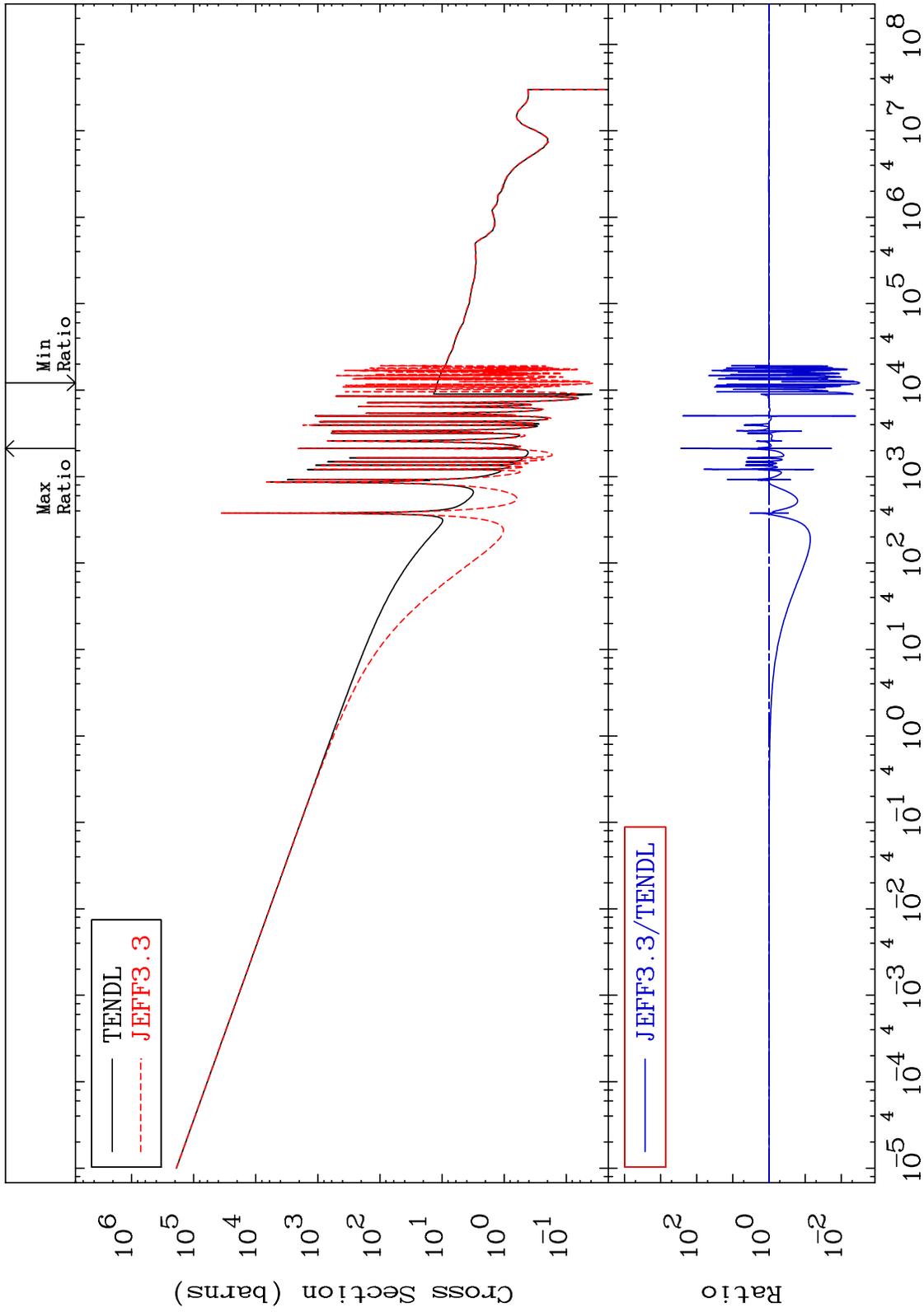
34-Se-76
-0.665 To 4.854 %



MAT 3431

Kerma capture (mt102)
Cross Section

34-Se-76
-99.69 To 9999. %



72

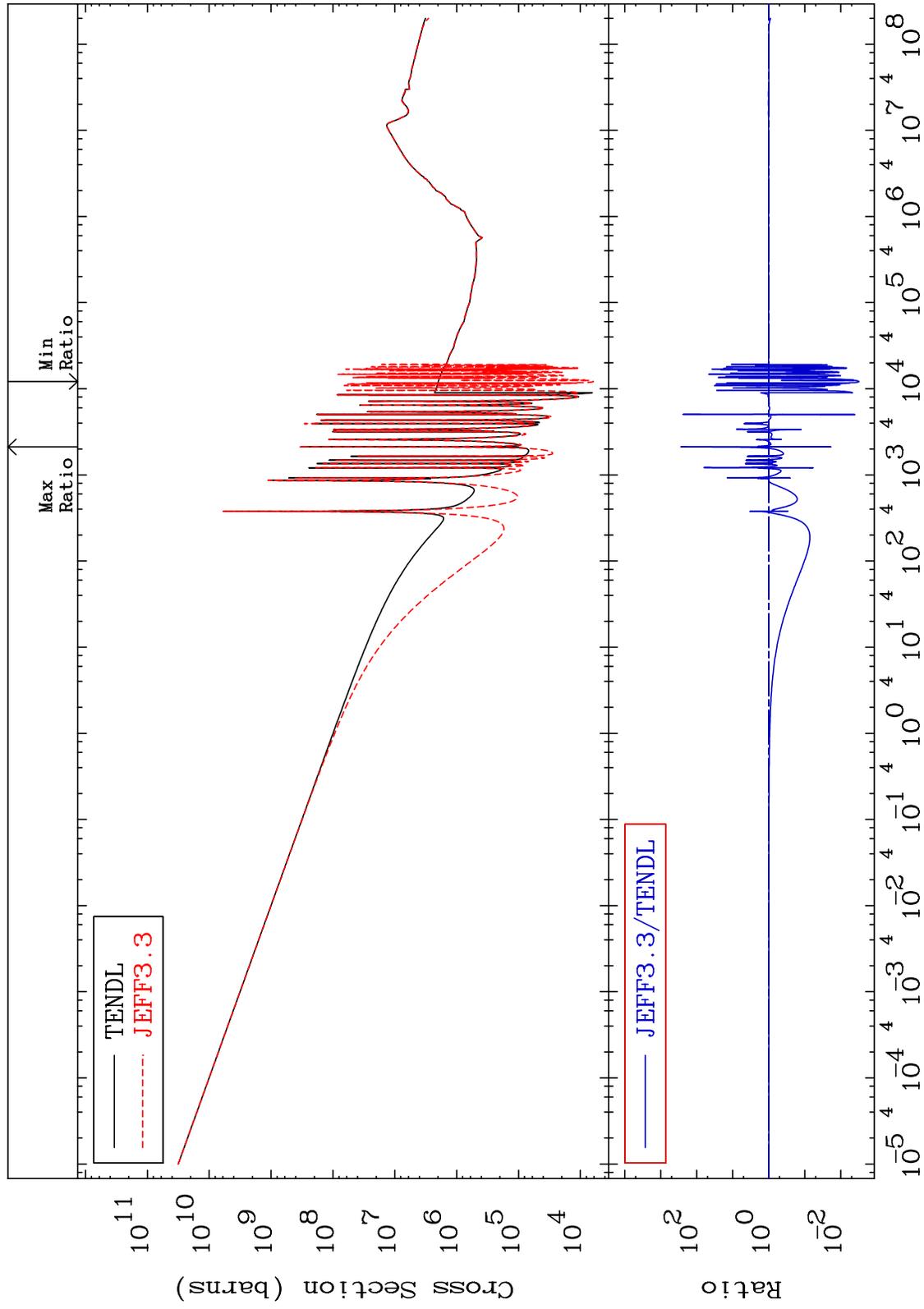
Incident Energy (eV)

34-Se-76

MAT 3431

Total photon (eV-barns)
Cross Section

34-Se-76
-99.69 To 9999. %



73

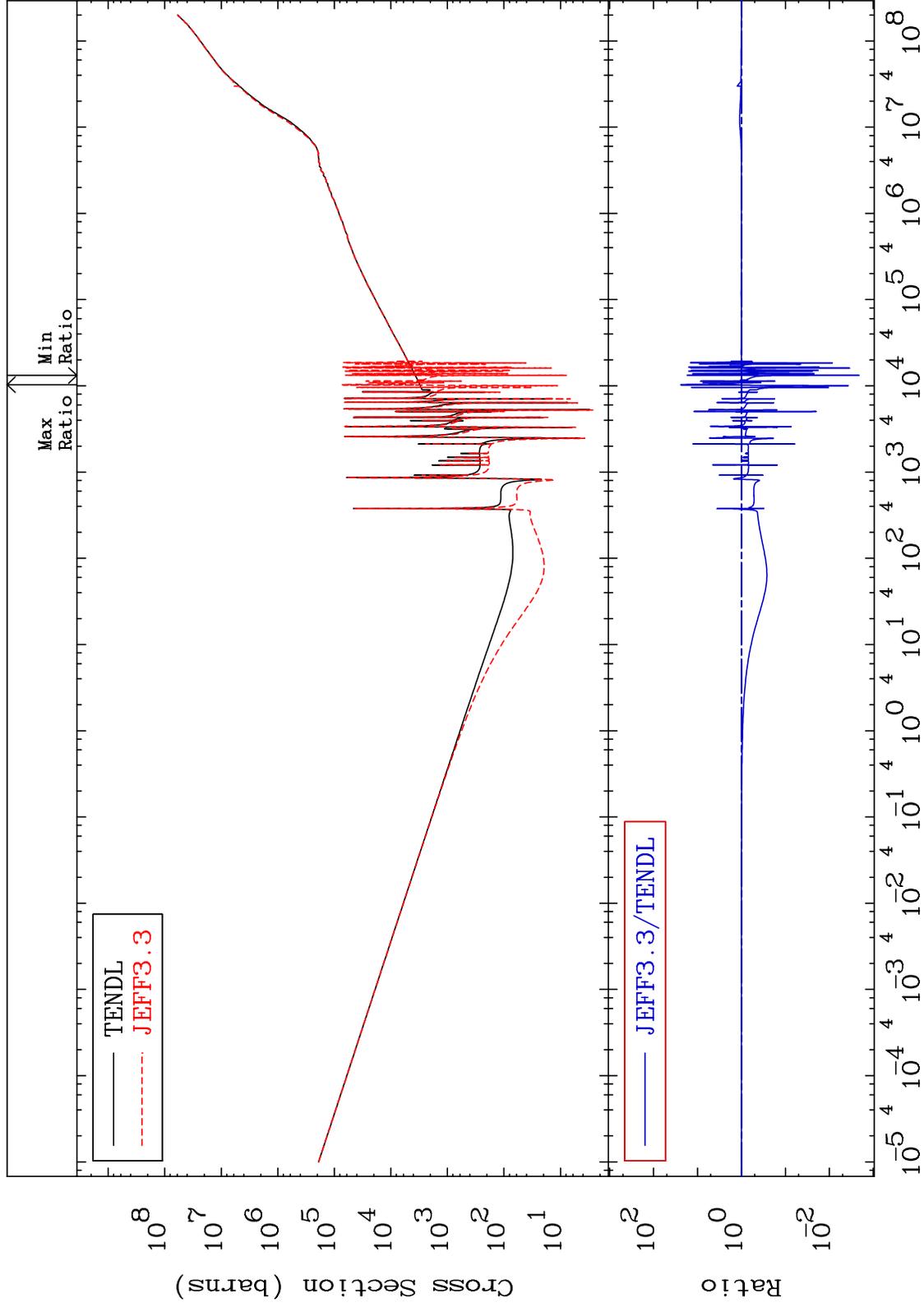
Incident Energy (eV)

34-Se-76

MAT 3431

Total kinematic kerma (high limit)
Cross Section

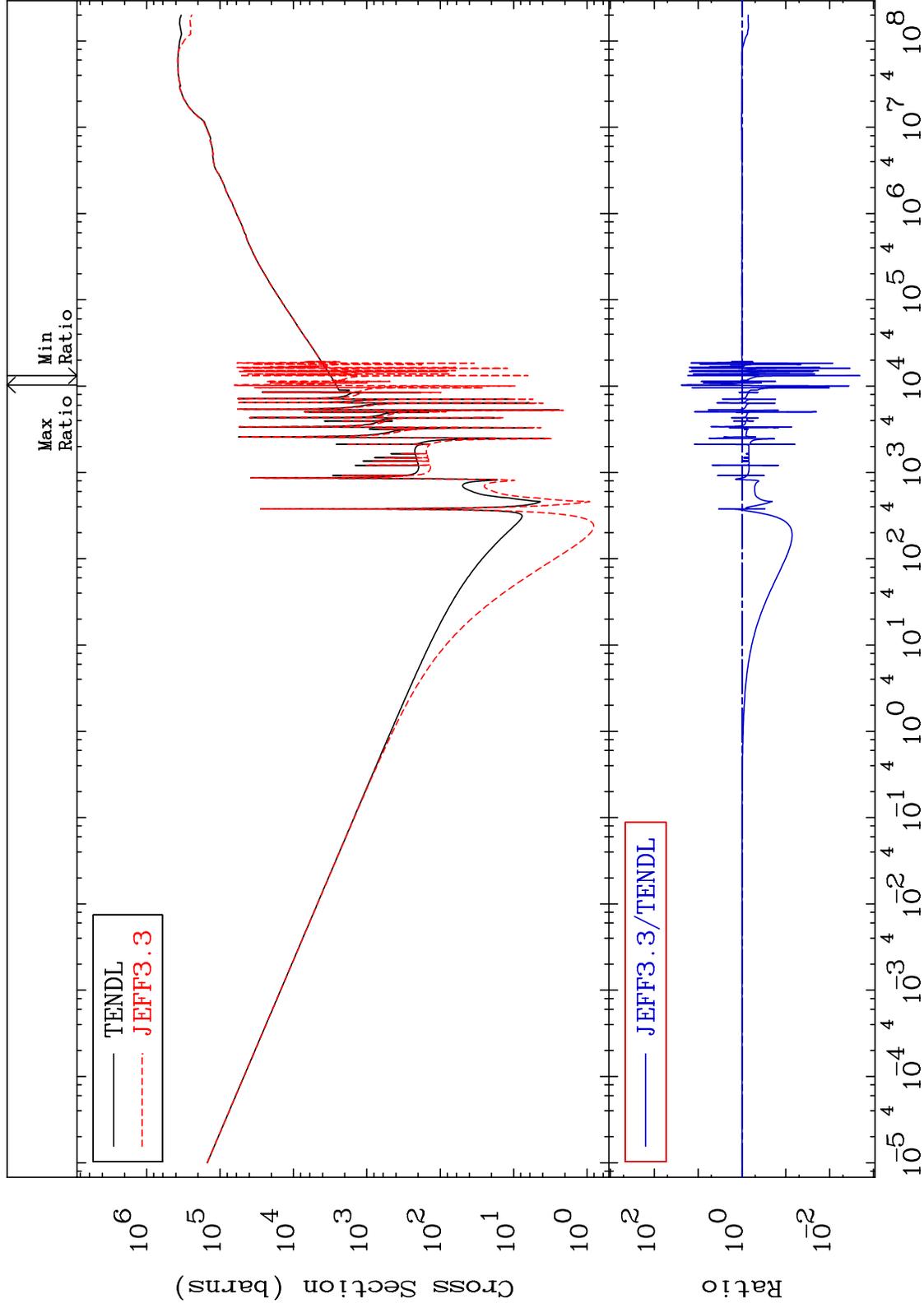
34-Se-76
-99.79 To 2325. %



MAT 3431

Dpa total (eV-barns)
Cross Section

34-Se-76
-99.79 To 2327. %



75

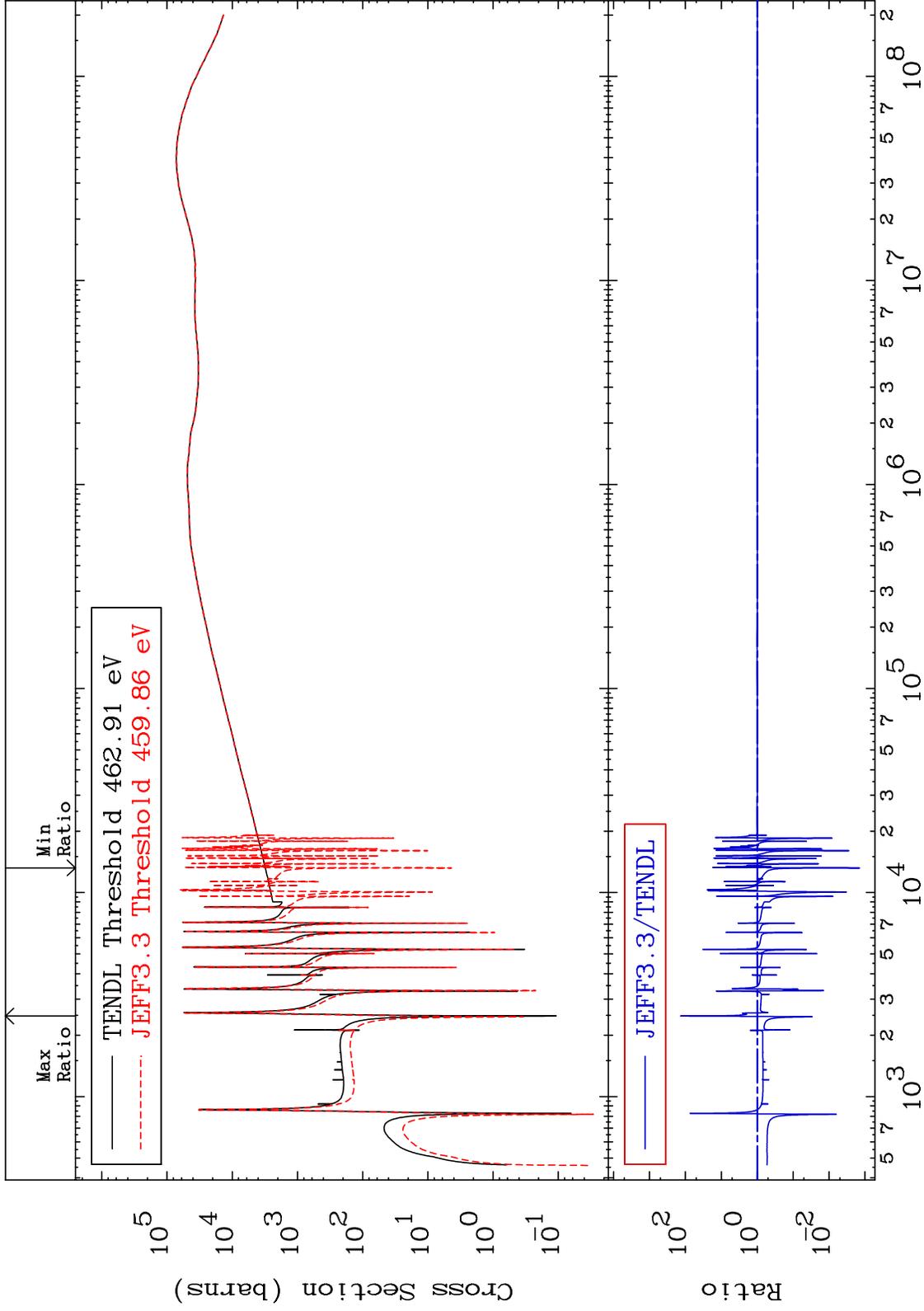
Incident Energy (eV)

34-Se-76

MAT 3431

Dpa elastic (mt2)
Cross Section

34-Se-76
-99.86 To 9999. %



76

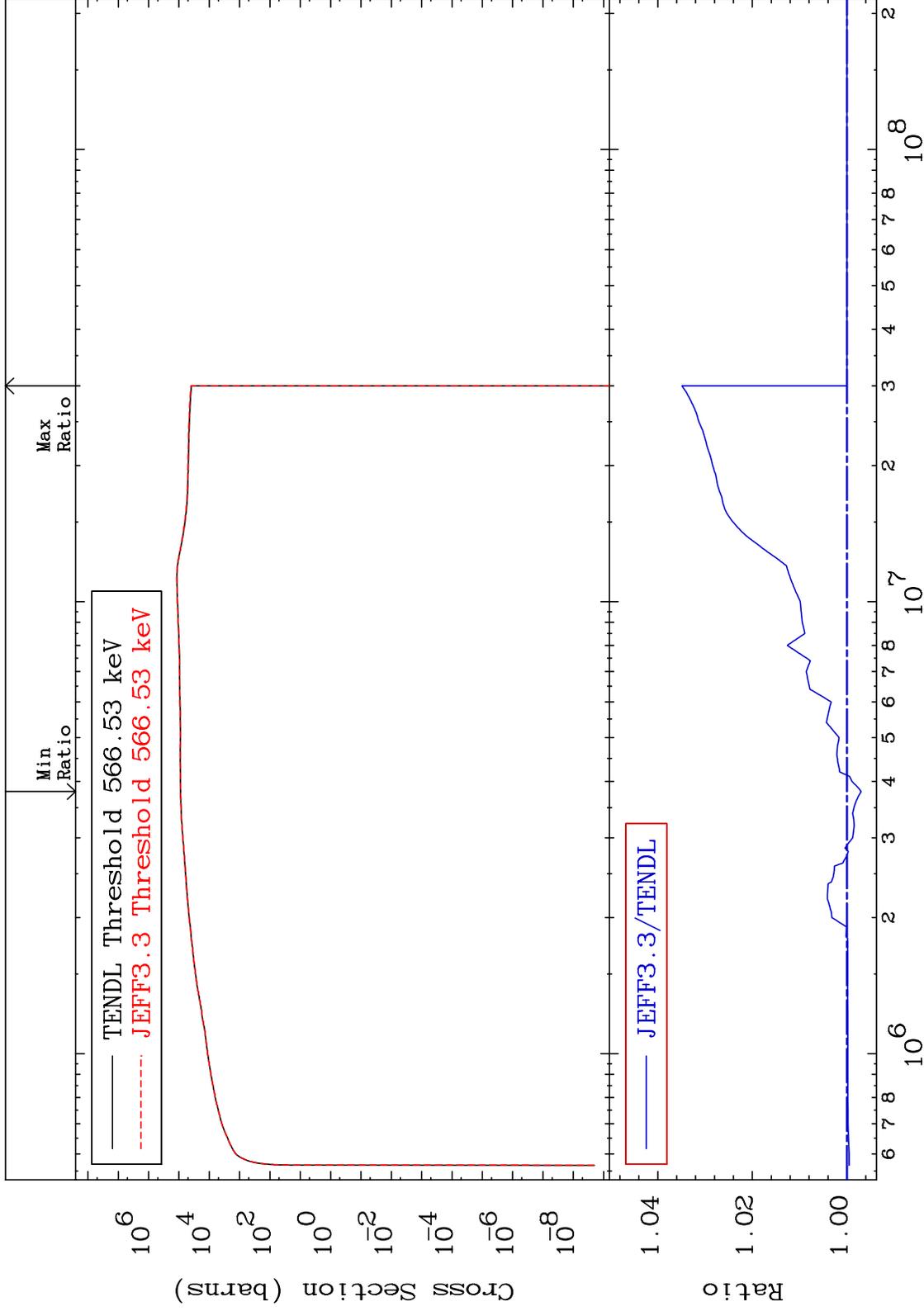
34-Se-76

34-Se-76

MAT 3431

Dpa inelastic (mt51-91)
Cross Section

34-Se-76
-0.302 To 3.487 %



77

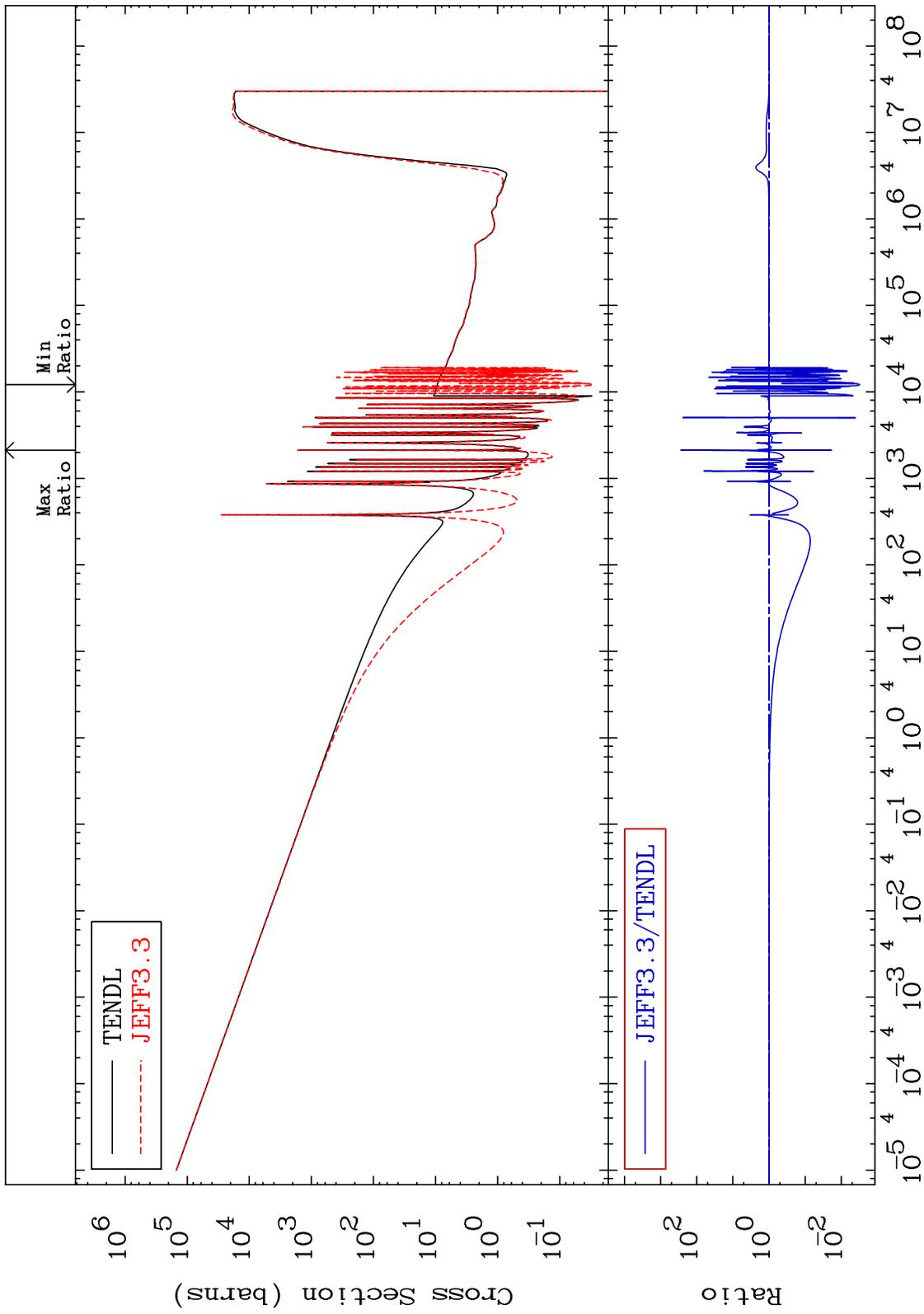
Incident Energy (eV)

34-Se-76

MAT 3431

Dpa disappearance (mt102 -120)
Cross Section

34-Se-76
-99.69 To 9999. %



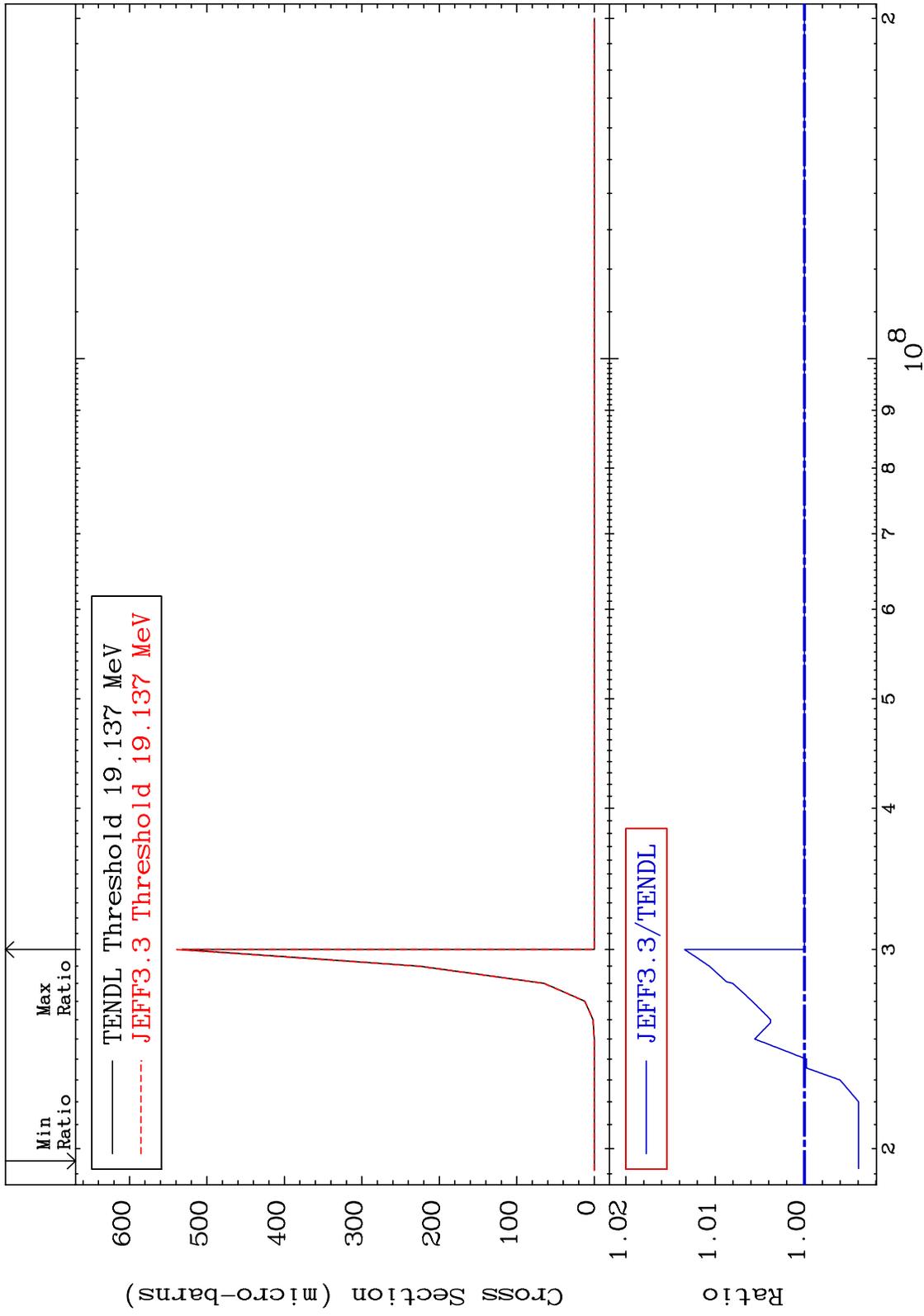
78

Incident Energy (eV)

34-Se-76

MAT 3431

(n, n') He-3:32-Ge-73g 34-Se-76
Radionuclide Production Cross Section -0.605 To 1.342 %



79

Incident Energy (eV)

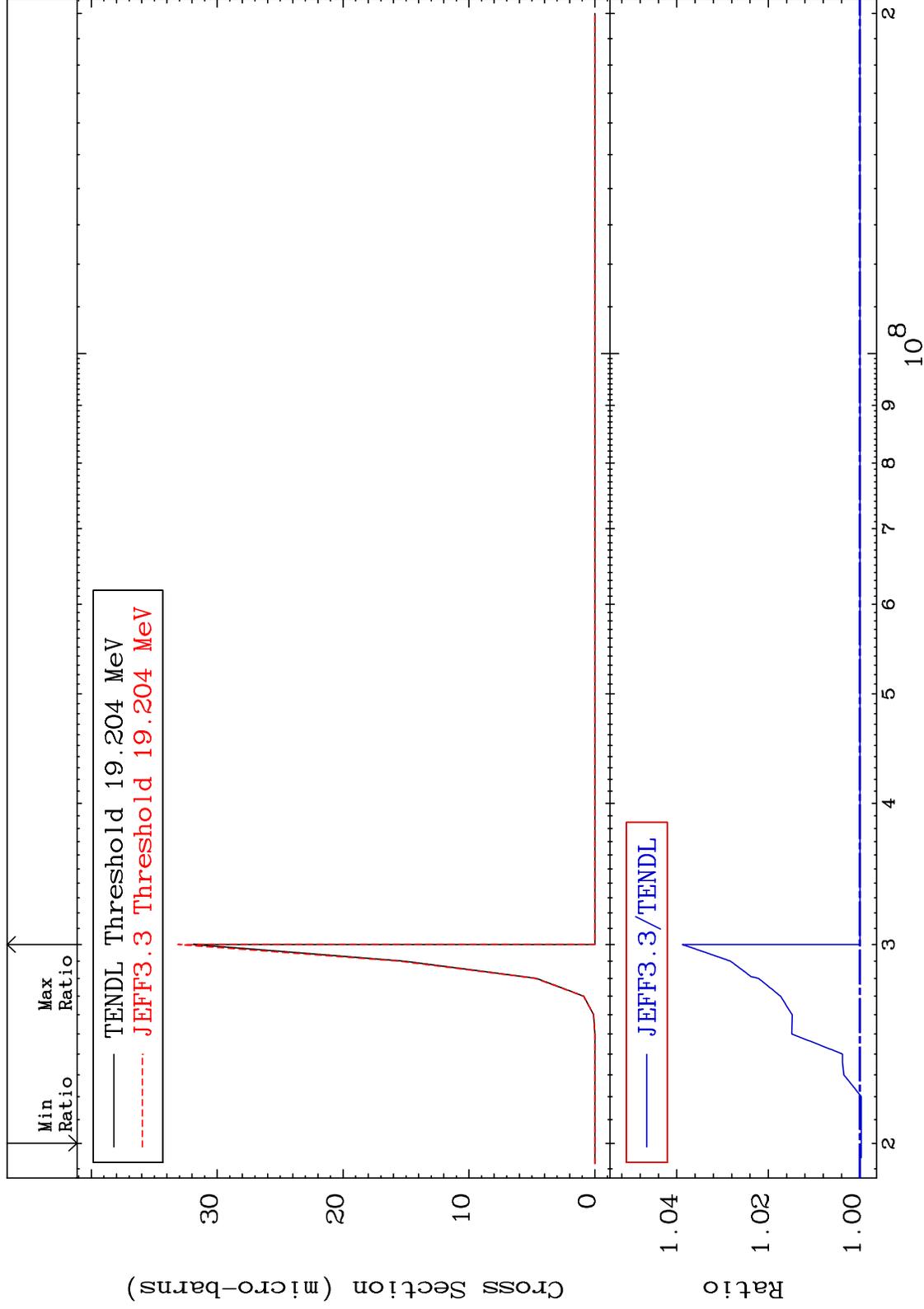
34-Se-76

MAT 3431

(n,n') He-3:32-Ge-73m2

34-Se-76

Radionuclide Production Cross Section -0.032 To 3.877 %



80

Incident Energy (eV)

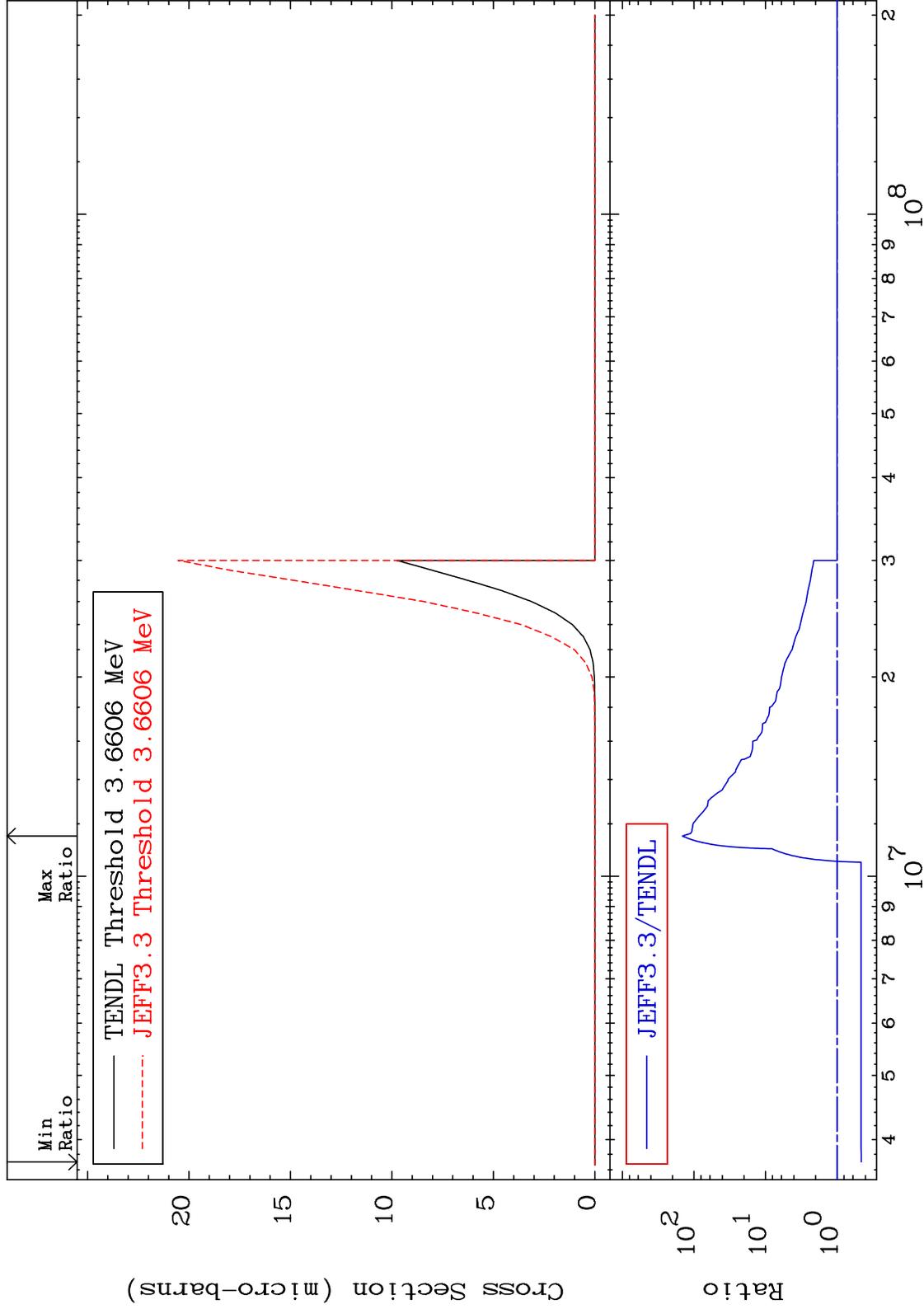
34-Se-76

MAT 3431

(n,2α):30-Zn-69g

34-Se-76

Radionuclide Production Cross Section -54.27 To 9999. %

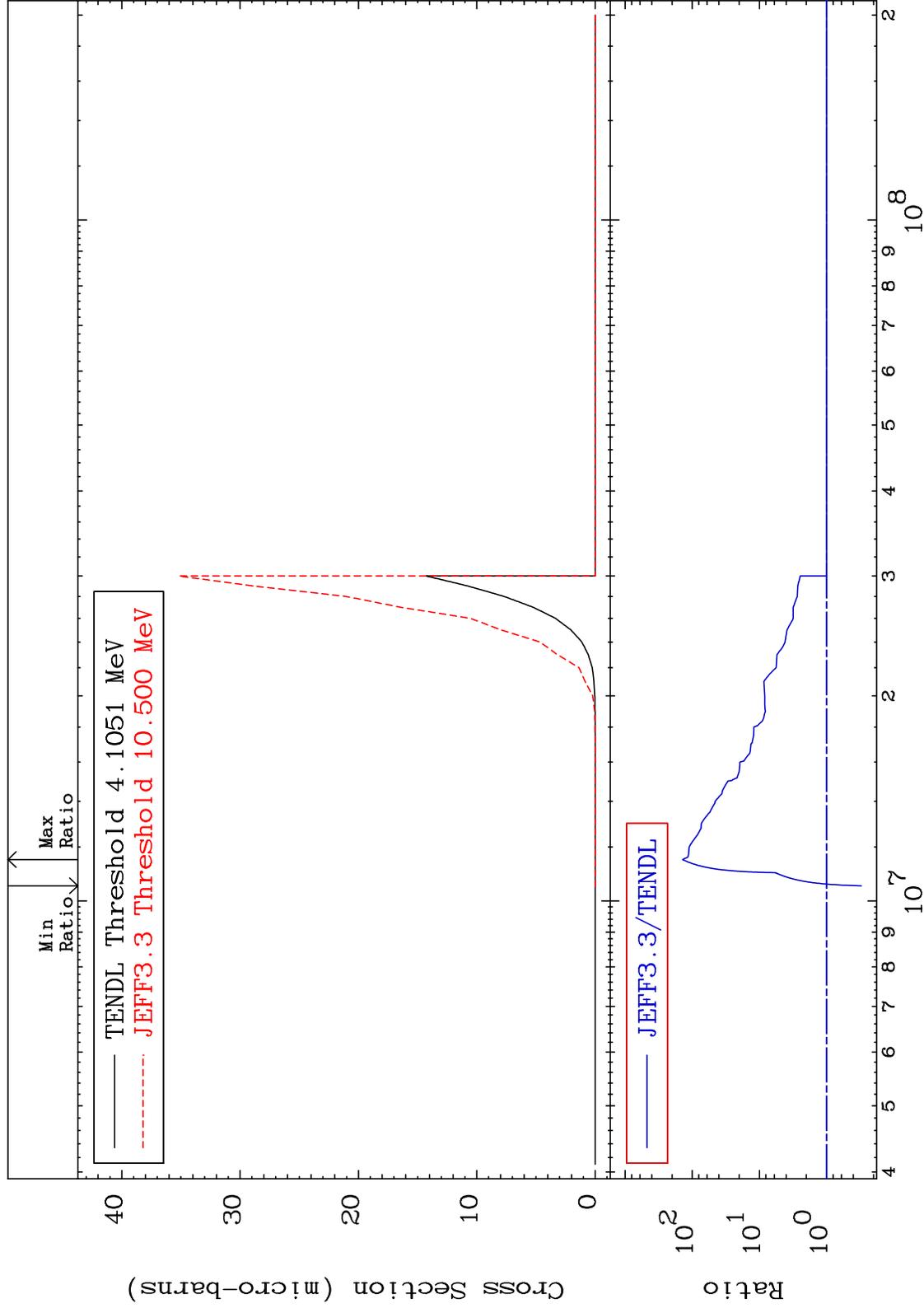


MAT 3431

(n,2α):30-Zn-69m1

34-Se-76

Radionuclide Production Cross Section -69.67 To 9999. %

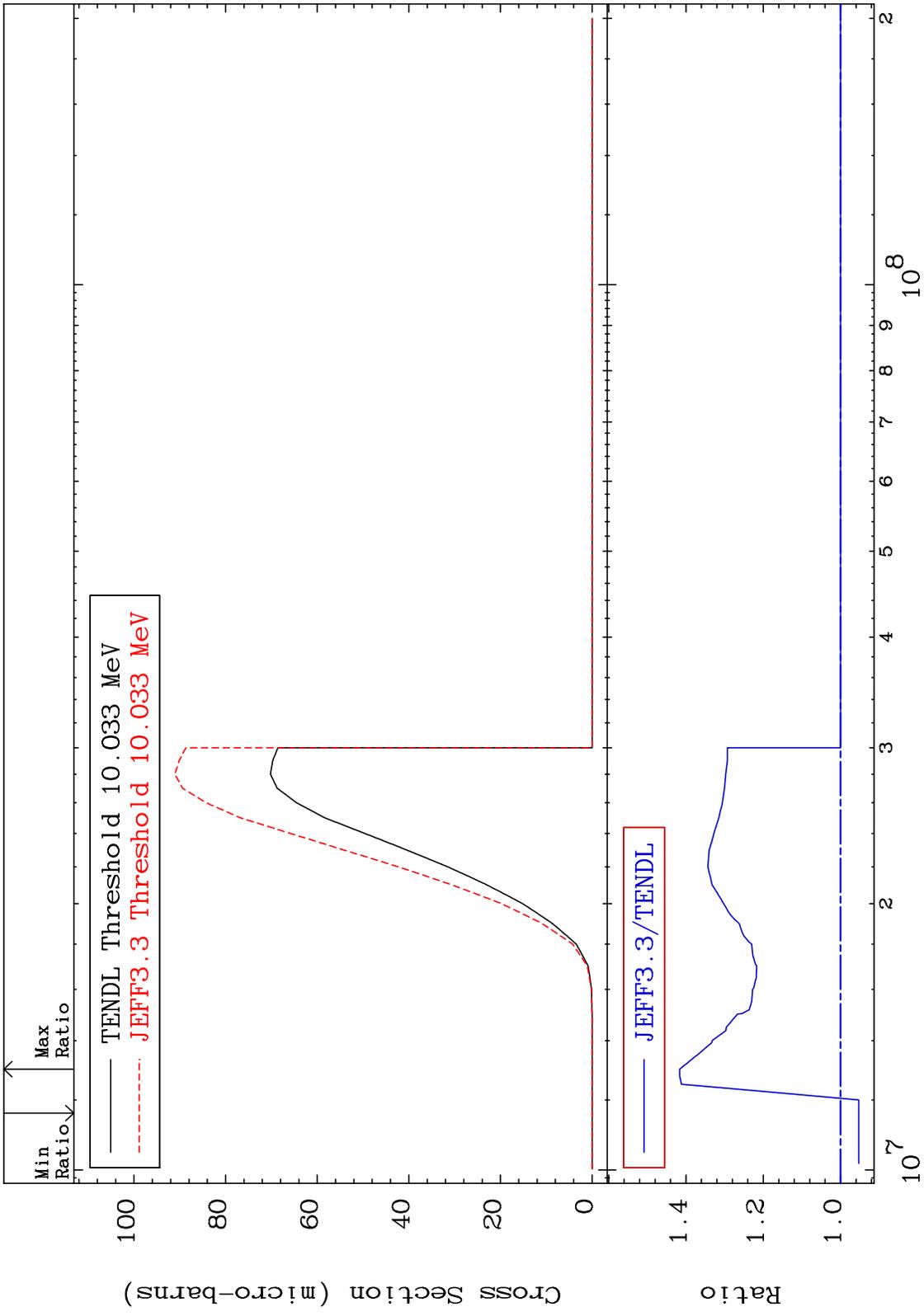


82

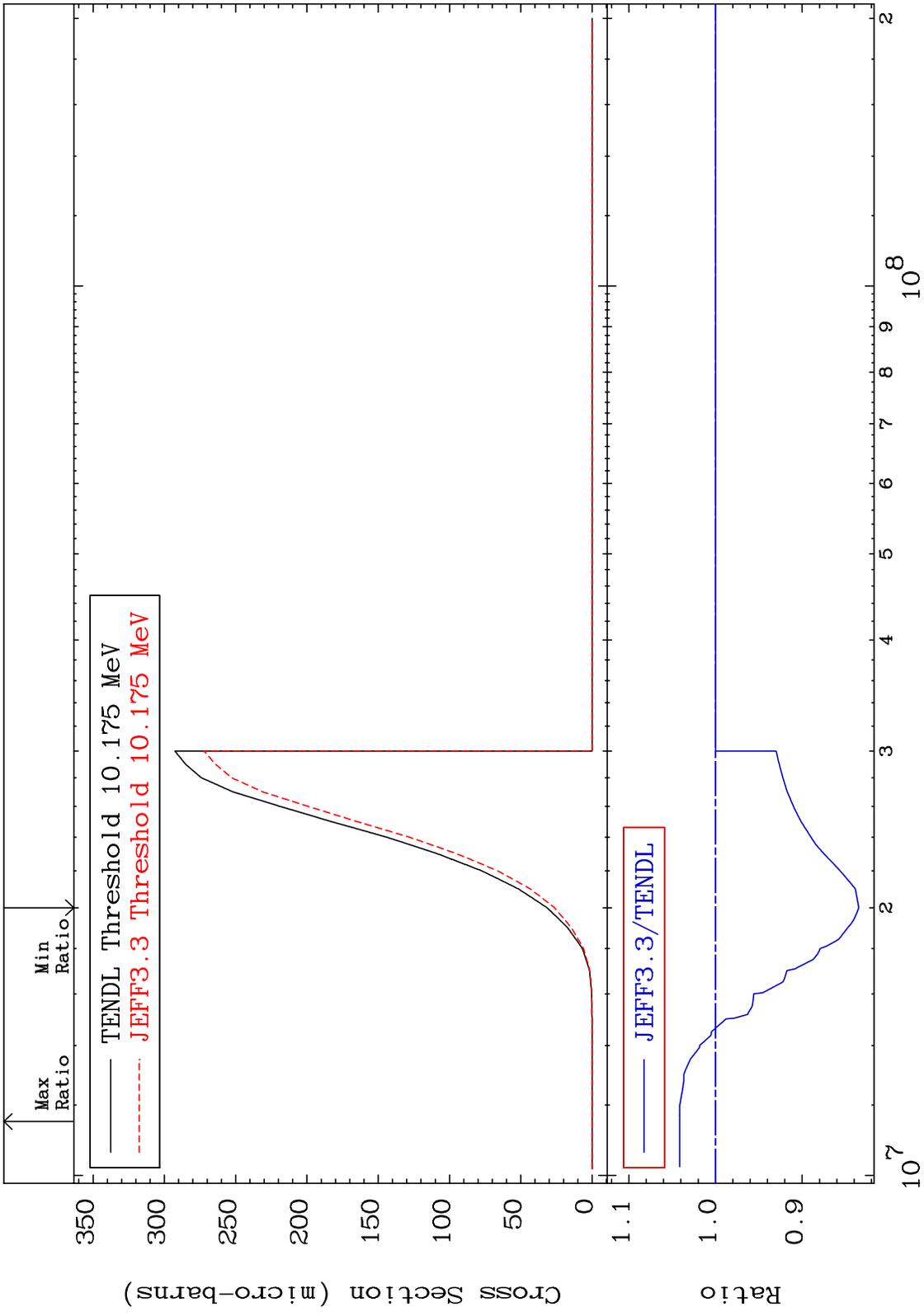
Incident Energy (eV)

34-Se-76

MAT 3431 (n,2p):32-Ge-75g 34-Se-76
 Radionuclide Production Cross Section -4.707 To 41.61 %



MAT 3431 (n,2p):32-Ge-75m2 34-Se-76
 Radionuclide Production Cross Section -16.54 To 4.128 %

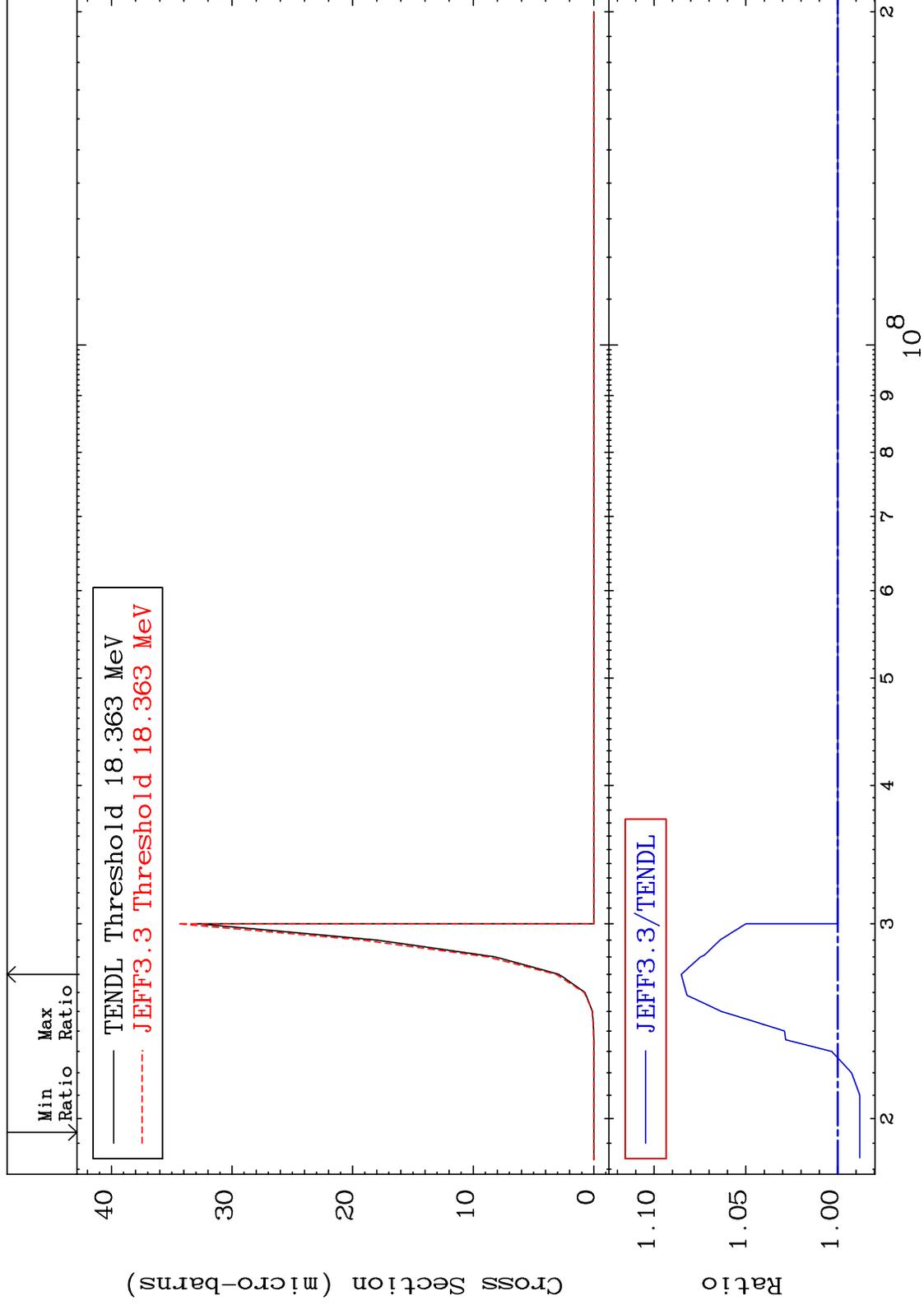


MAT 3431

(n,p) t:32-Ge-73g

34-Se-76

Radionuclide Production Cross Section -1.208 To 8.525 %



85

Incident Energy (eV)

34-Se-76

MAT 3431

(n,p) t:32-Ge-73m2

34-Se-76

Radionuclide Production Cross Section -1.225 To 1.642 %

