Program Complot
(Version 2021-1)
by
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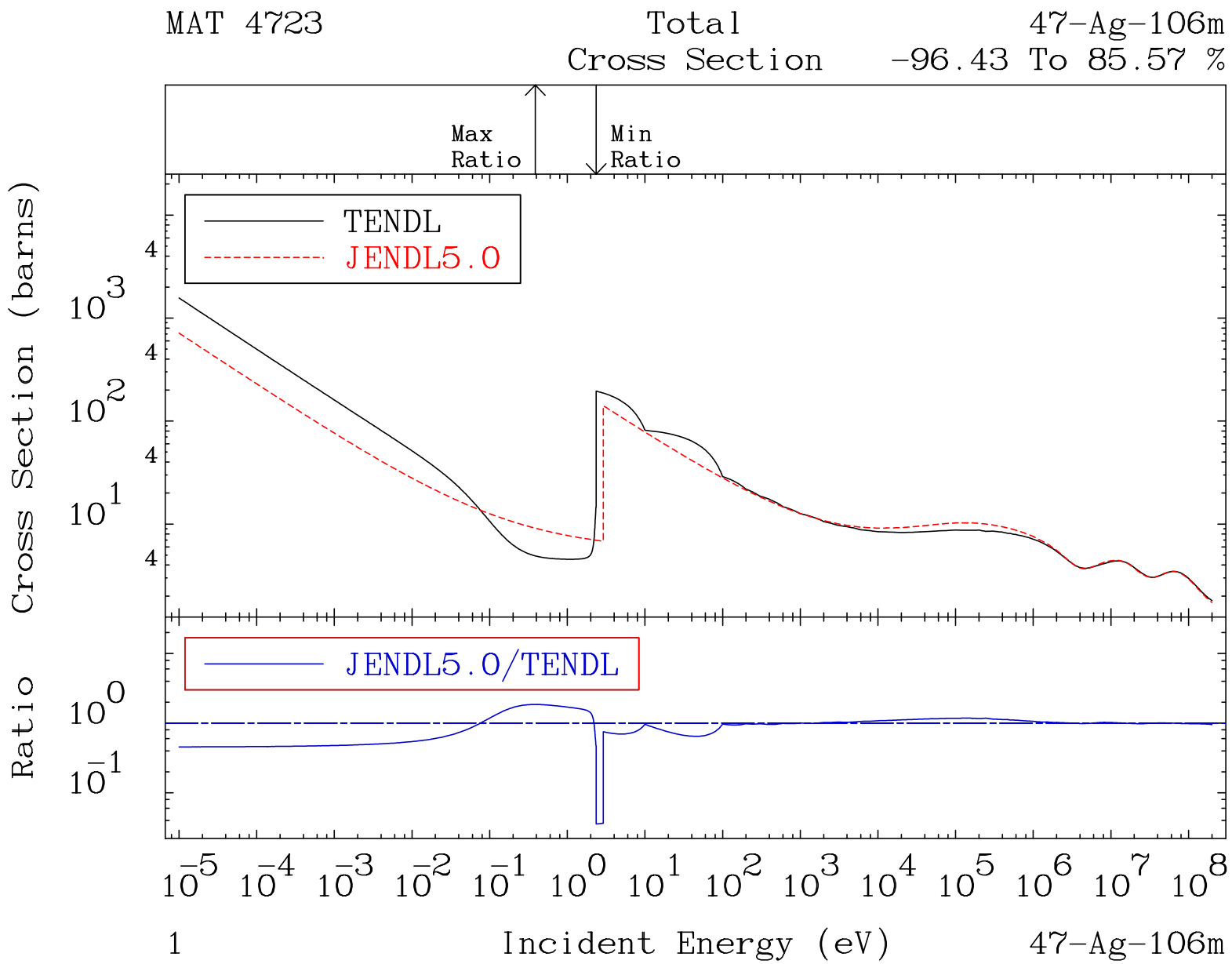
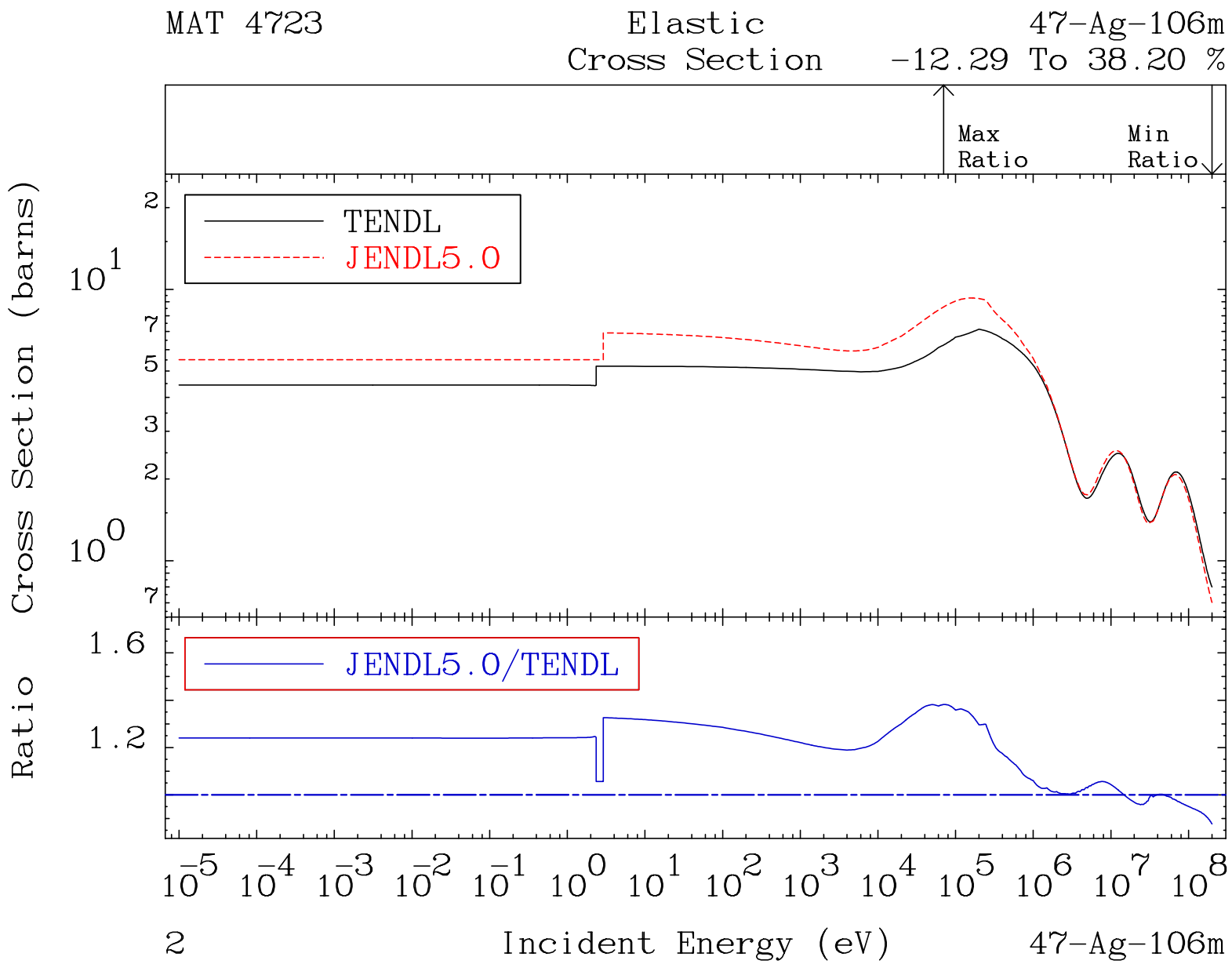
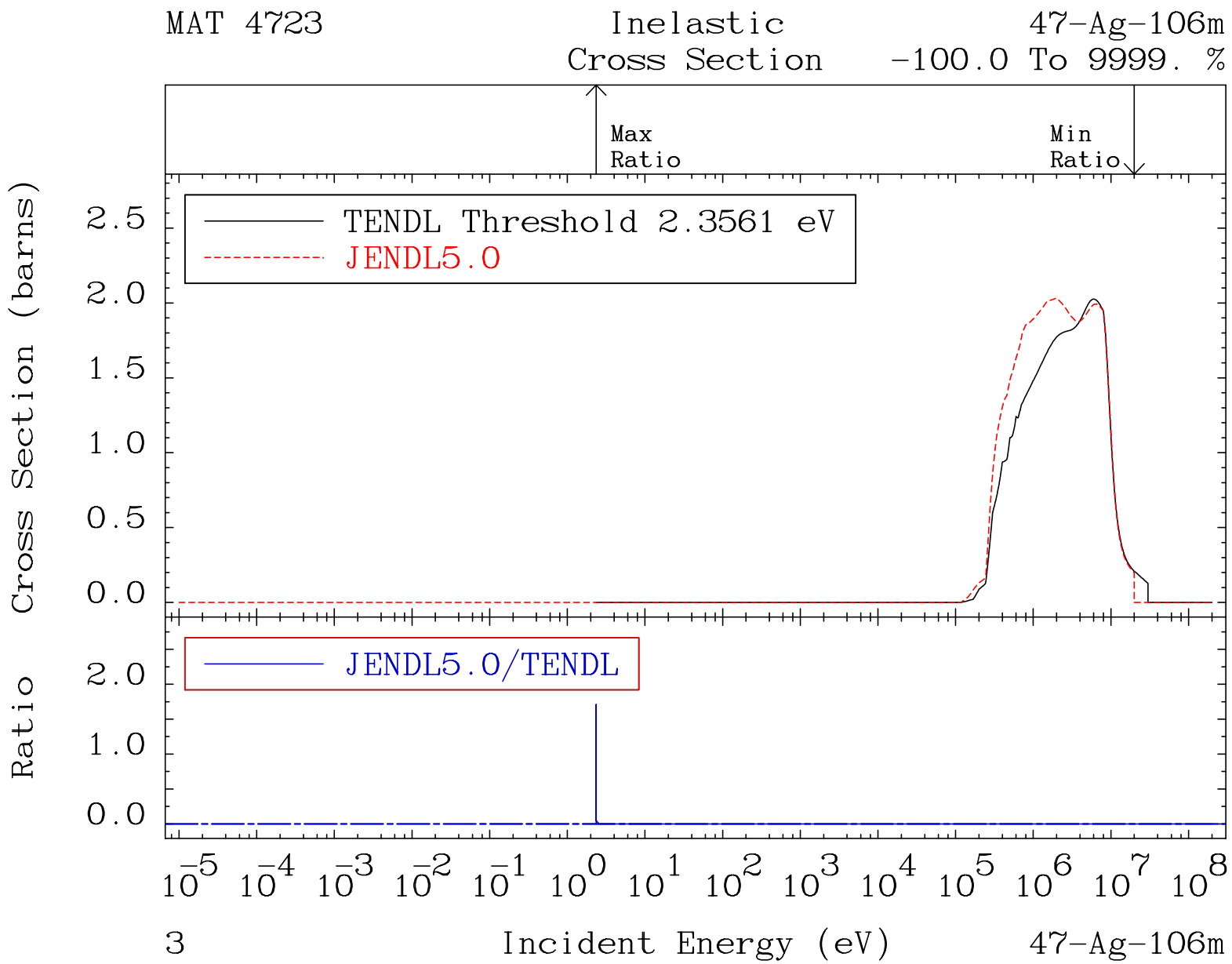
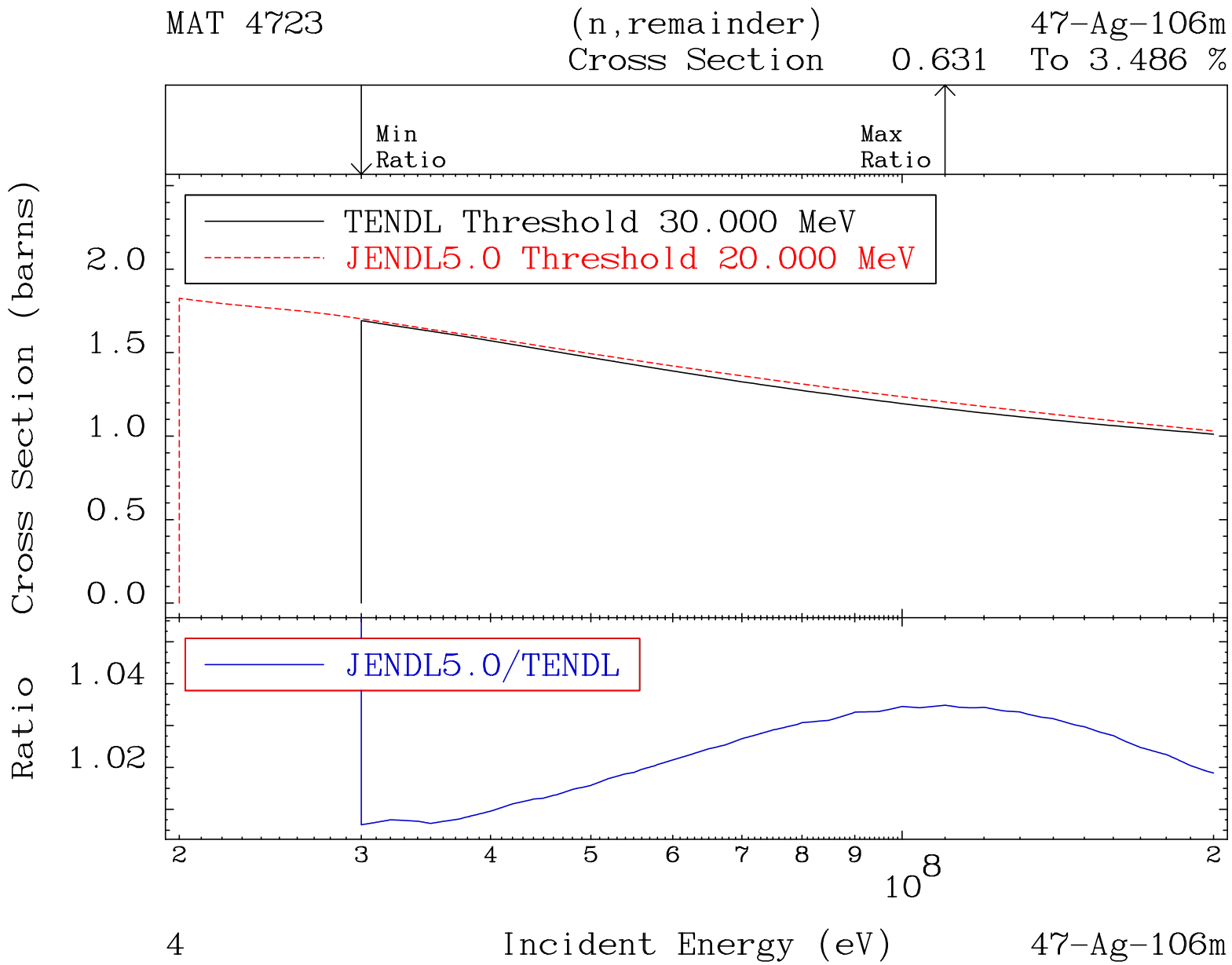
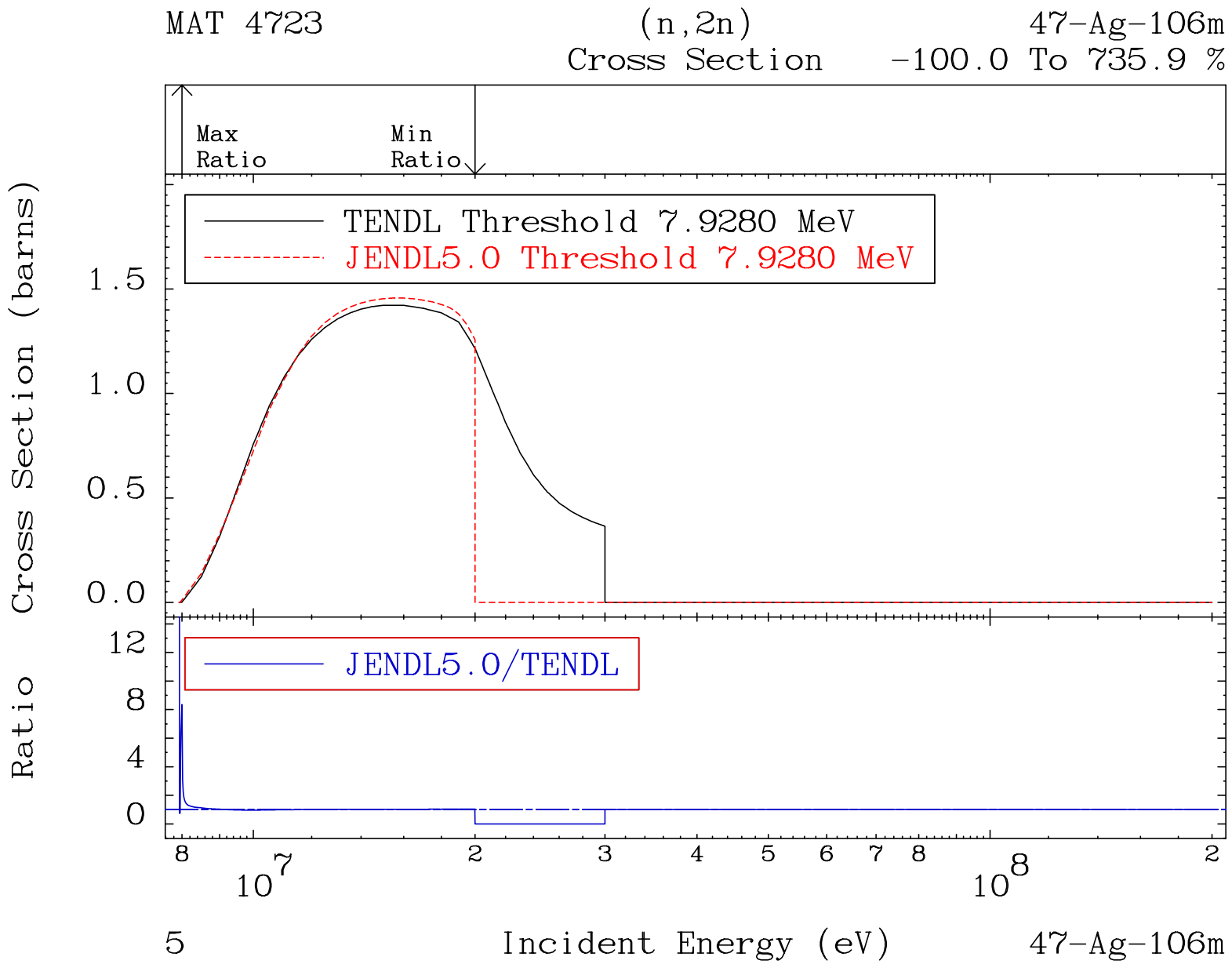
Press Mouse Button to Start

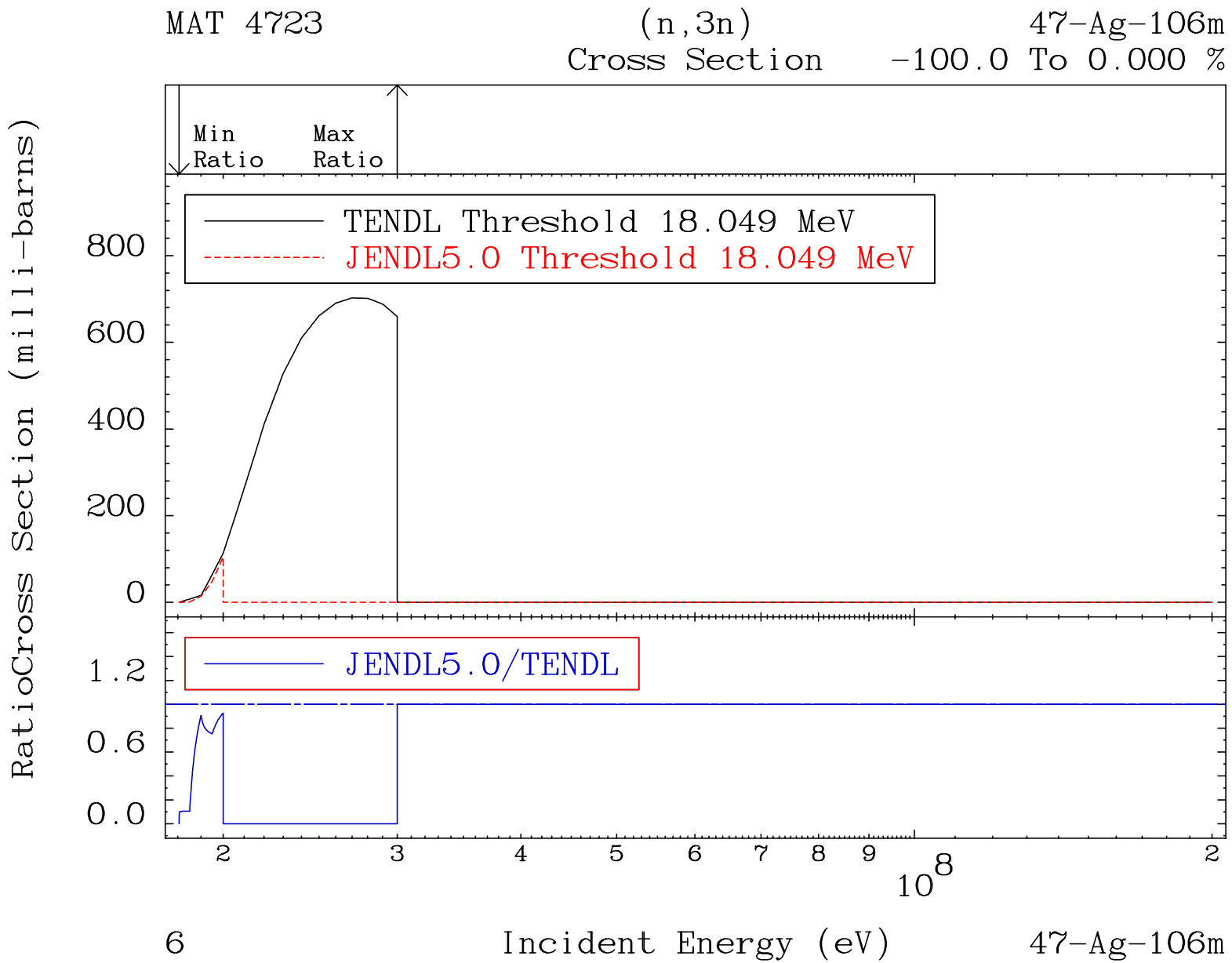

MAT 4723
Total
Cross Section
47-Ag-106m
-96.43 To 85.57 %
Max
Ratio
Min
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
47-Ag-106m
1

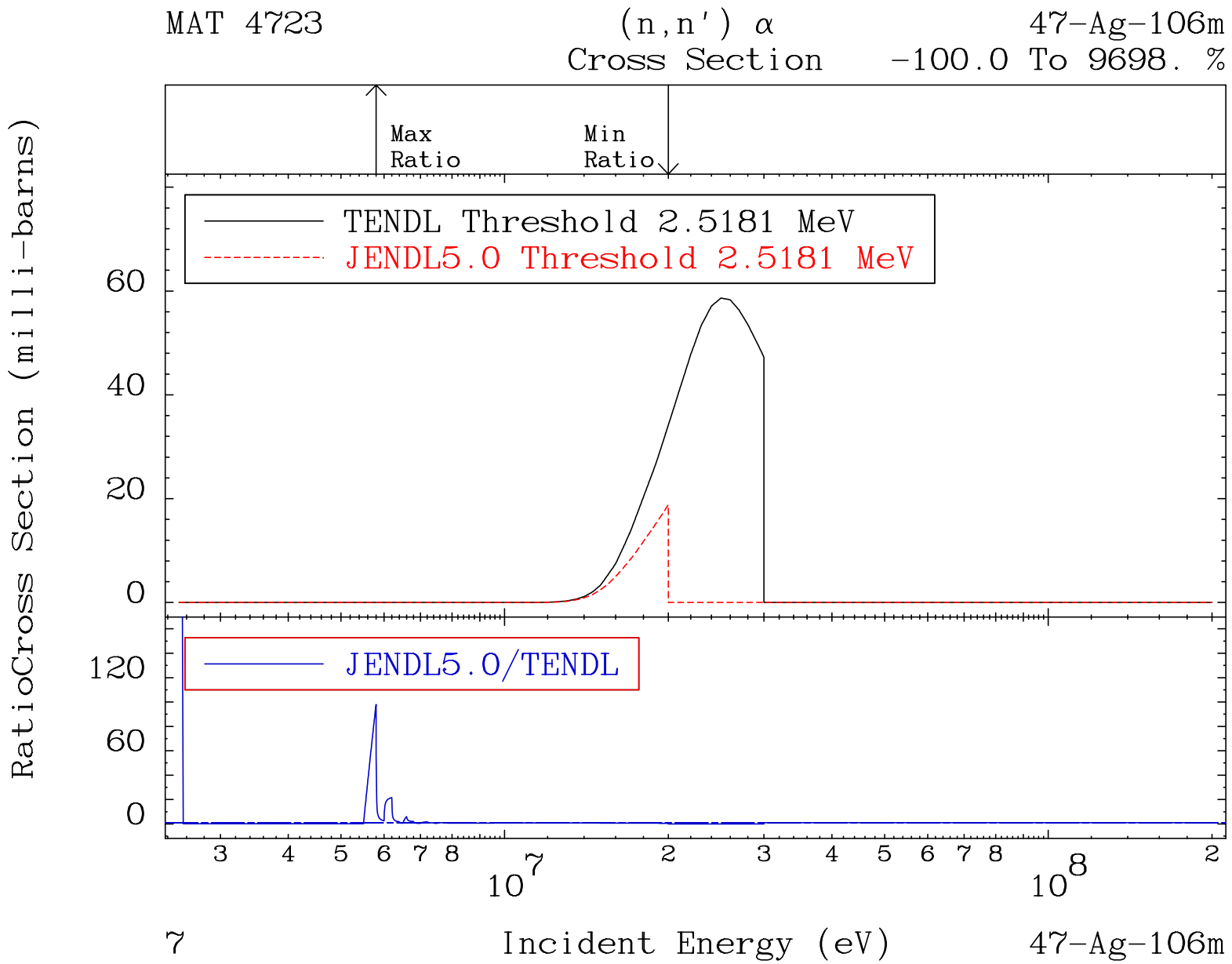

MAT 4723
Elastic
Cross Section
47-Ag-106m
-12.29 To 38.20 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
47-Ag-106m
2

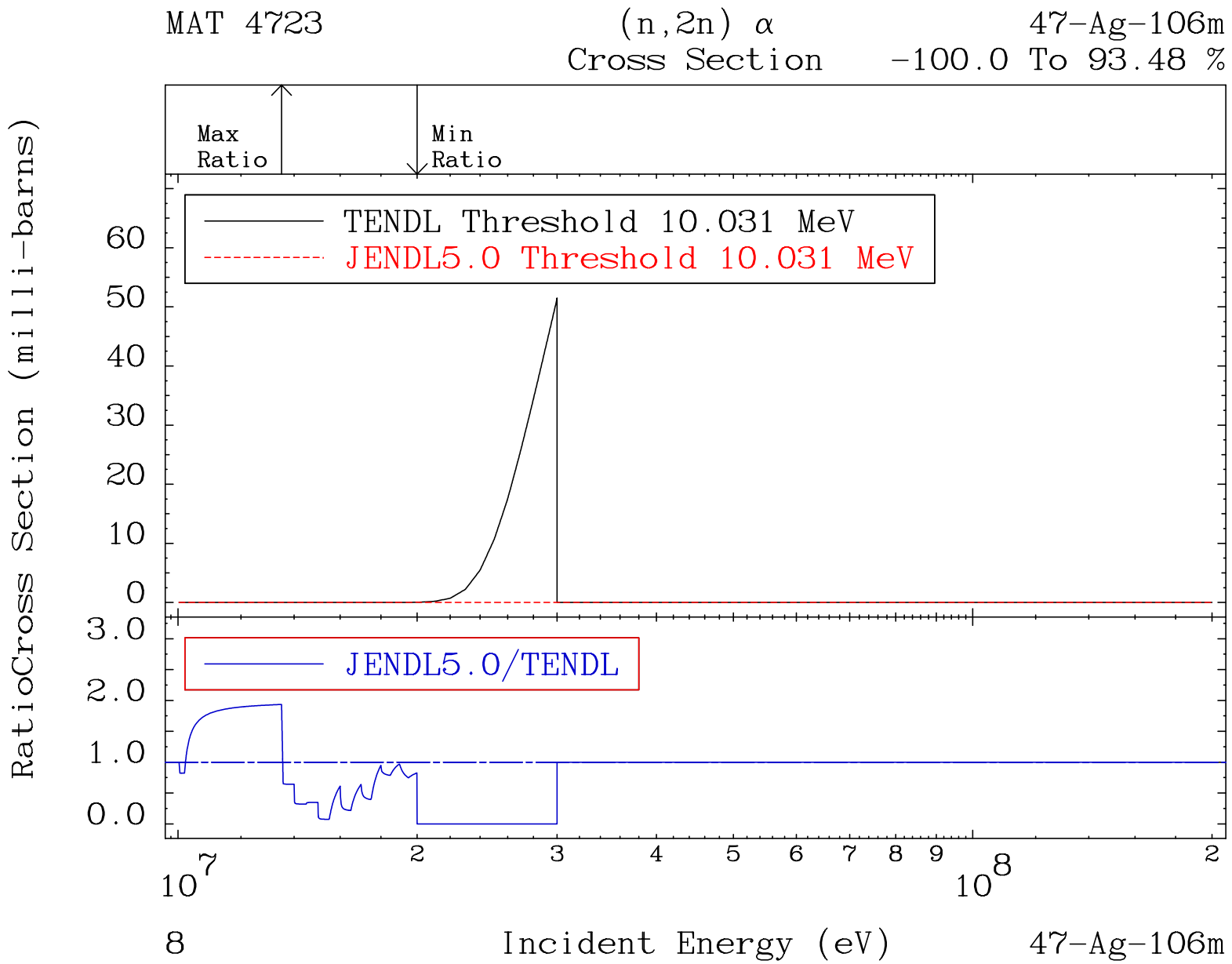

MAT 4723
Inelastic
Cross Section
47-Ag-106m
-100.0 To 9999. %
Max
Ratio
Min
Ratio
TENDL Threshold 2.3561 eV
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
3
Incident Energy (eV)
47-Ag-106m

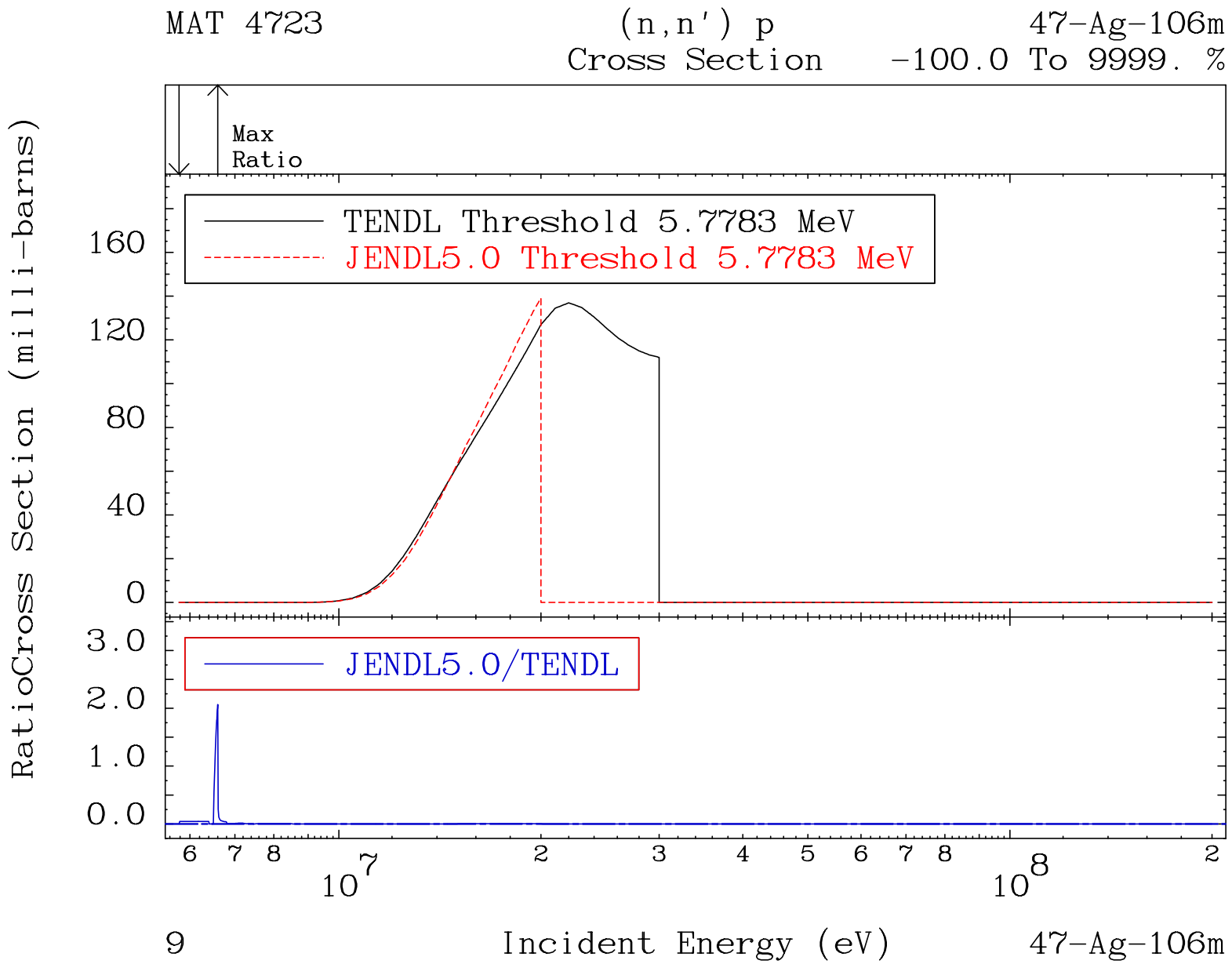

MAT 4723
(n,remainder)
Cross Section
47-Ag-106m
0.631 To 3.486 %
Min Ratio
Max Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JENDL5.0/TENDL
Ratio
1.04
1.02
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
47-Ag-106m

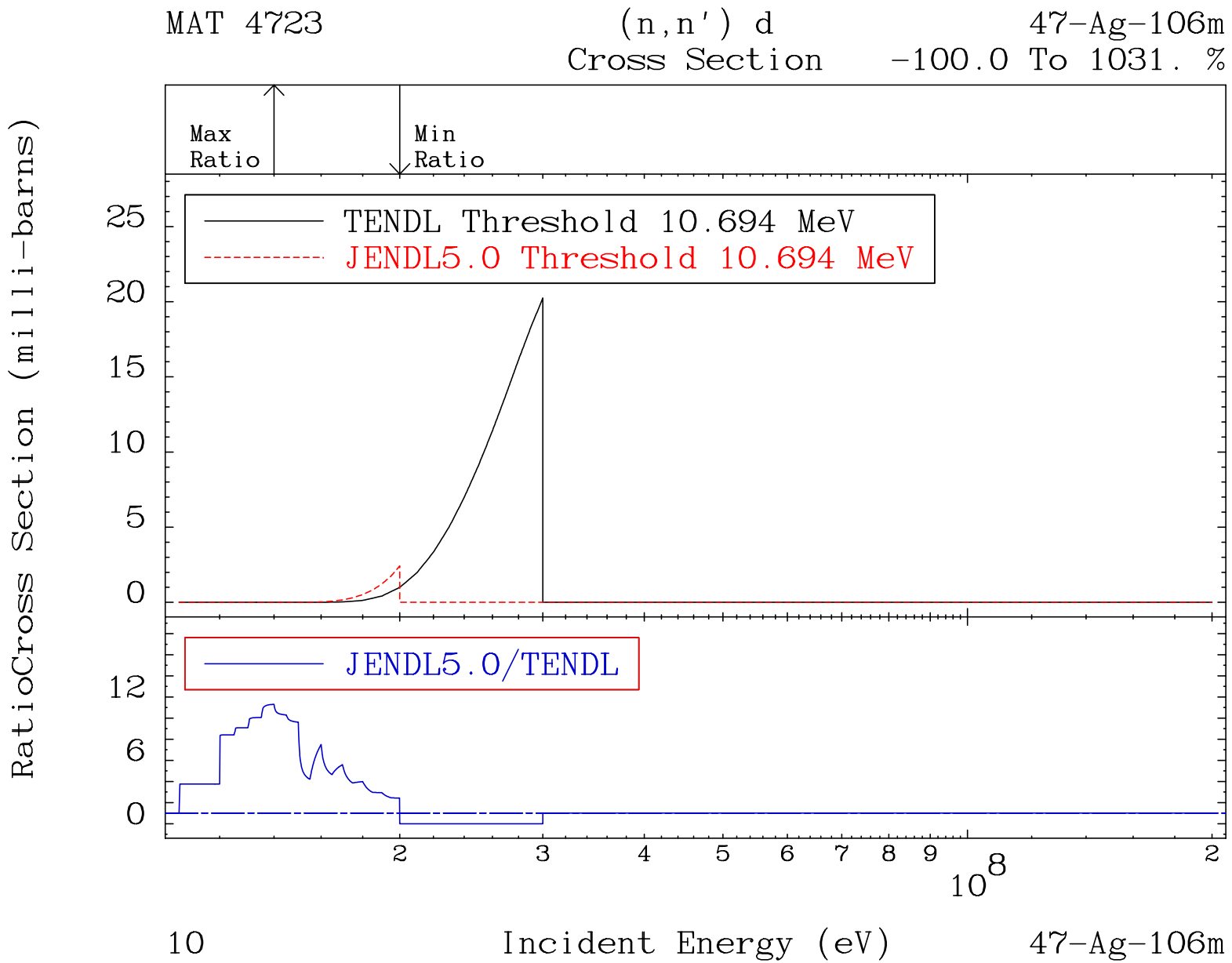

MAT 4723
(n,2n)
Cross Section
47-Ag-106m
-100.0 To 735.9 %
Max Ratio
Min Ratio
TENDL Threshold 7.9280 MeV
JENDL5.0 Threshold 7.9280 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
12
8
4
0
8
2
3
4
5
6
7
8
2
10^7
10^8
Incident Energy (eV)
47-Ag-106m
5

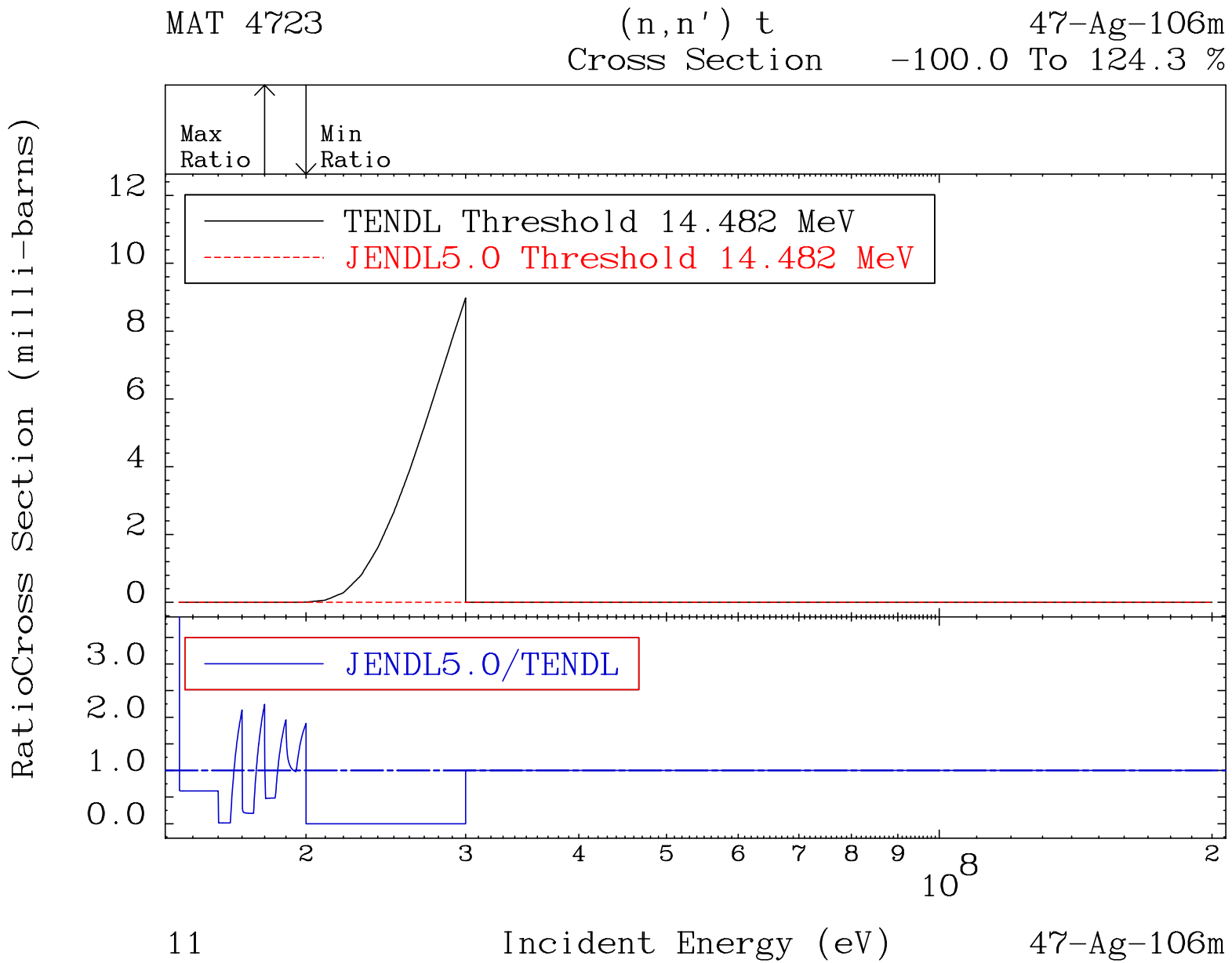

MAT 4723
(n,3n)
47-Ag-106m
Cross Section
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 18.049 MeV
JENDL5.0 Threshold 18.049 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
47-Ag-106m

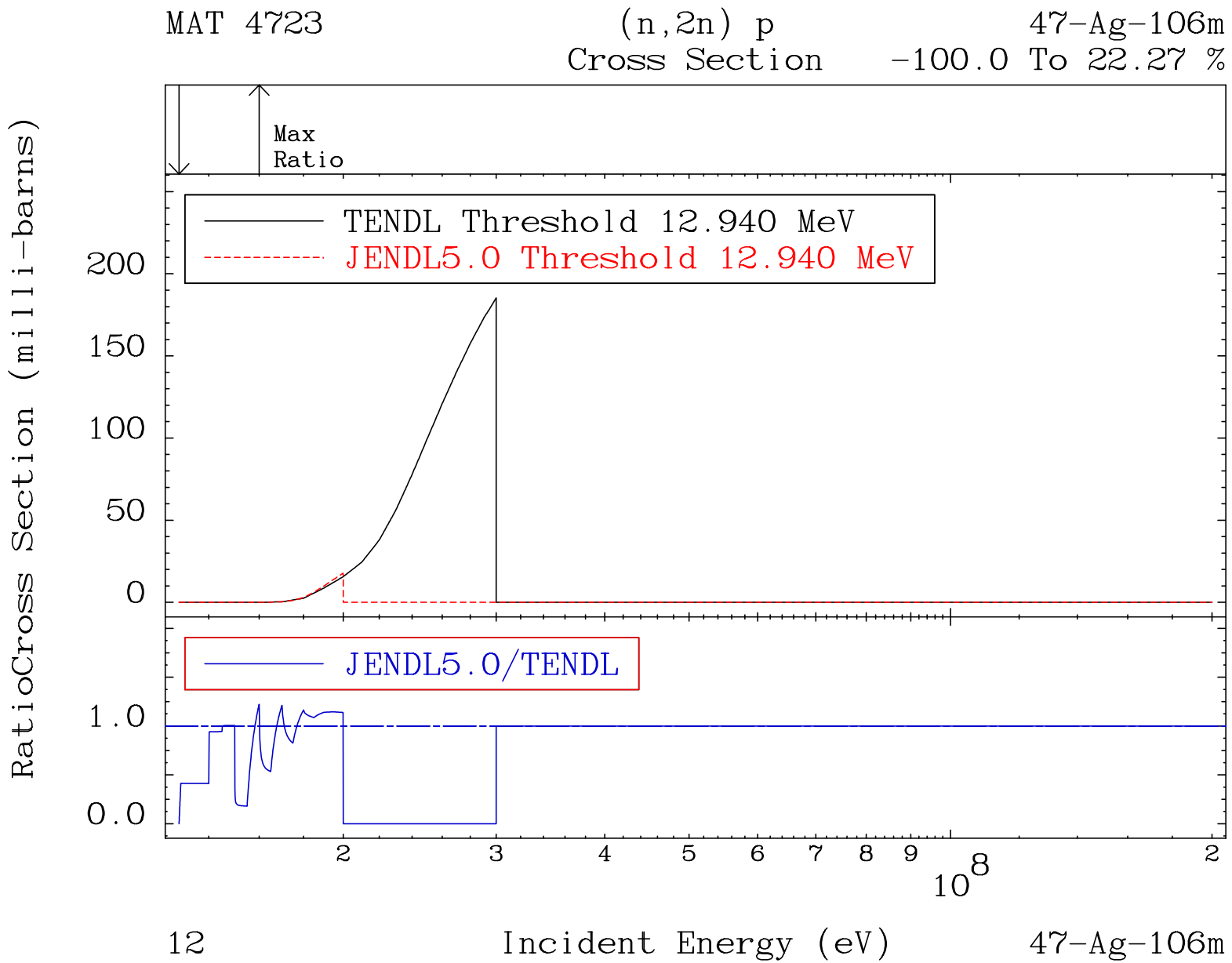

MAT 4723
(n,n') α
47-Ag-106m
Cross Section
-100.0 To 9698. %
Max Ratio
Min Ratio
TENDL Threshold 2.5181 MeV
JENDL5.0 Threshold 2.5181 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
120
60
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
7
Incident Energy (eV)
47-Ag-106m

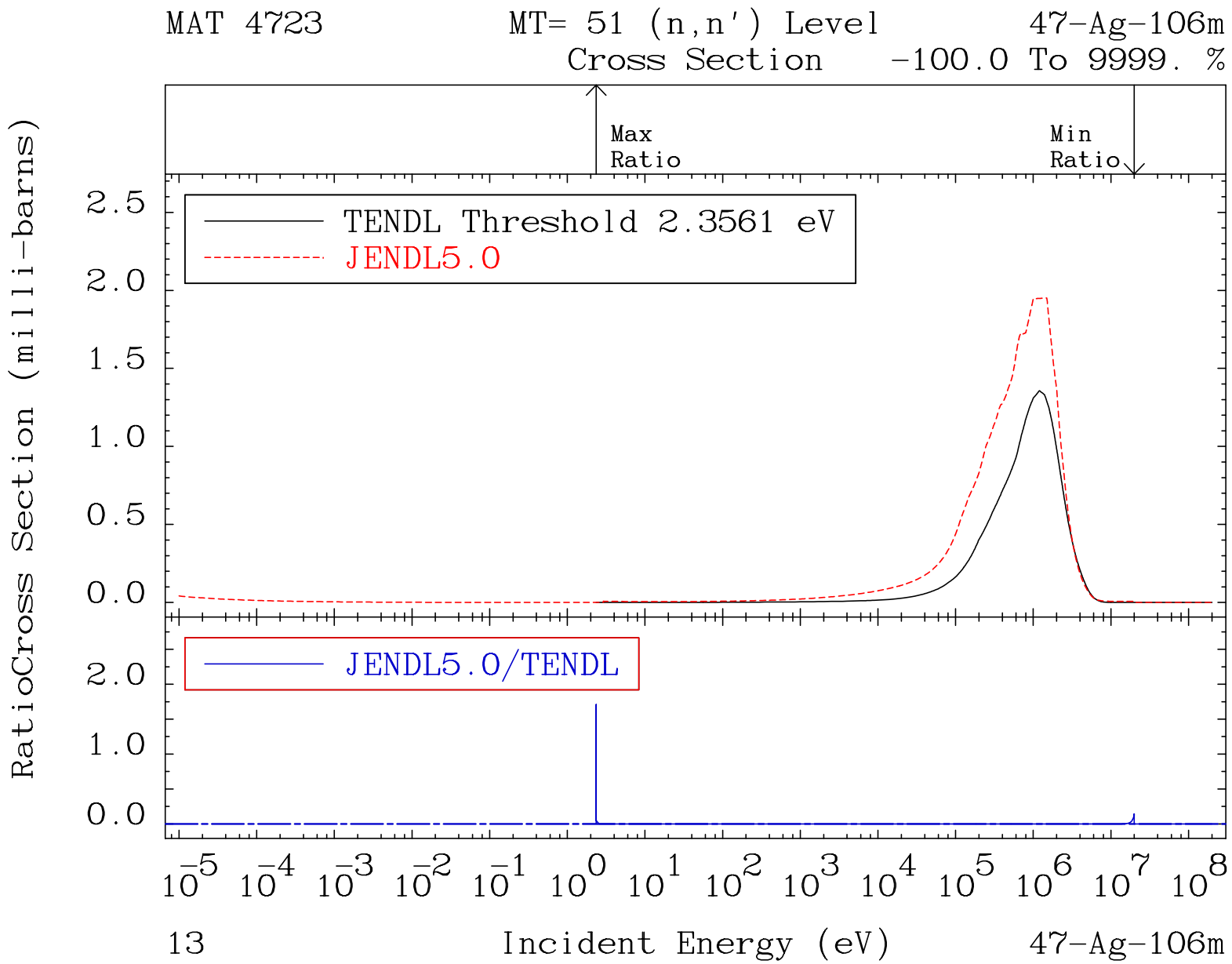

MAT 4723
(n,2n) α
Cross Section
47-Ag-106m
-100.0 To 93.48 %
Max Ratio
Min Ratio
TENDL Threshold 10.031 MeV
JENDL5.0 Threshold 10.031 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
47-Ag-106m
8

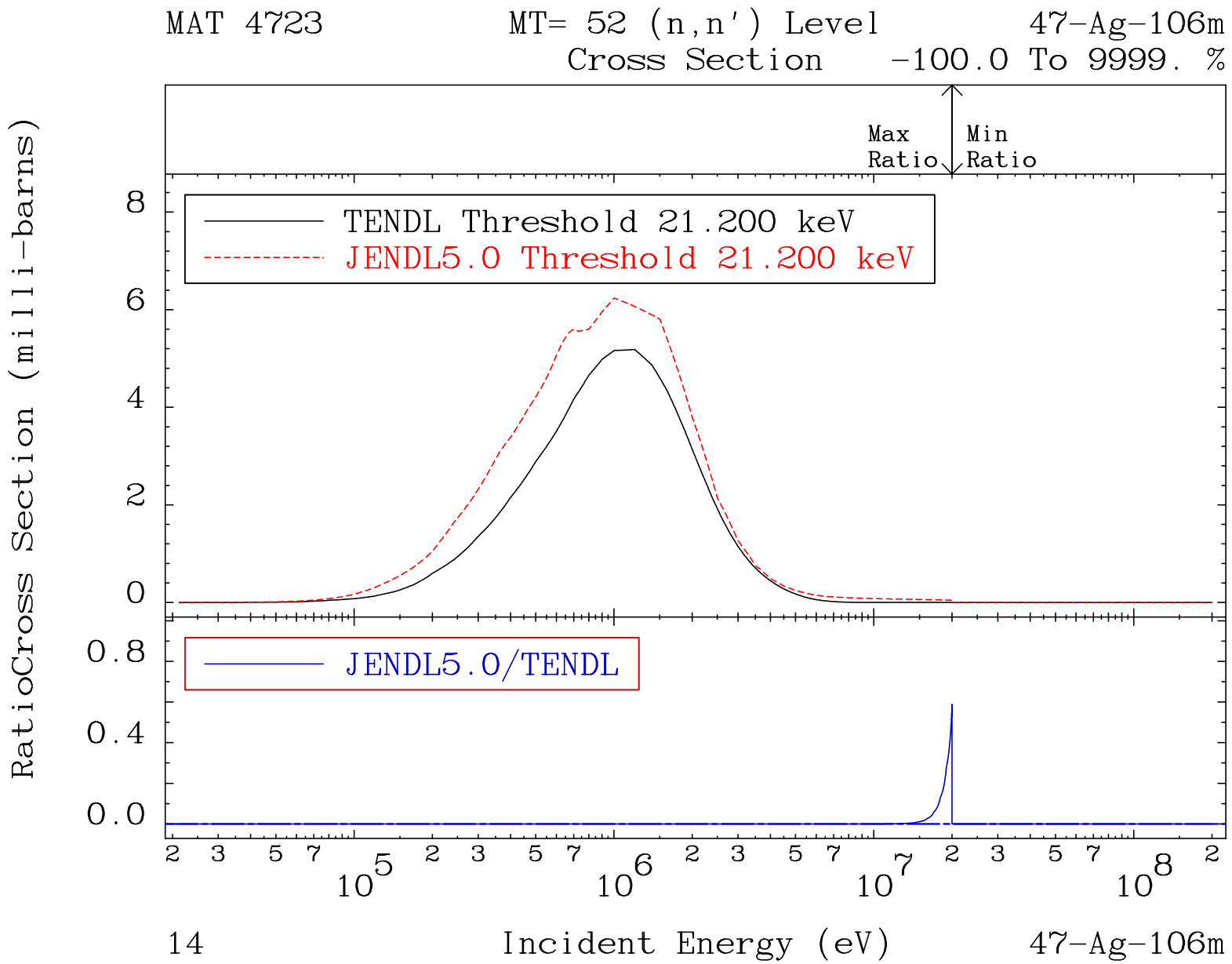

MAT 4723
(n,n') p
Cross Section
47-Ag-106m
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 5.7783 MeV
JENDL5.0 Threshold 5.7783 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
3.0
2.0
1.0
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
9
Incident Energy (eV)
47-Ag-106m

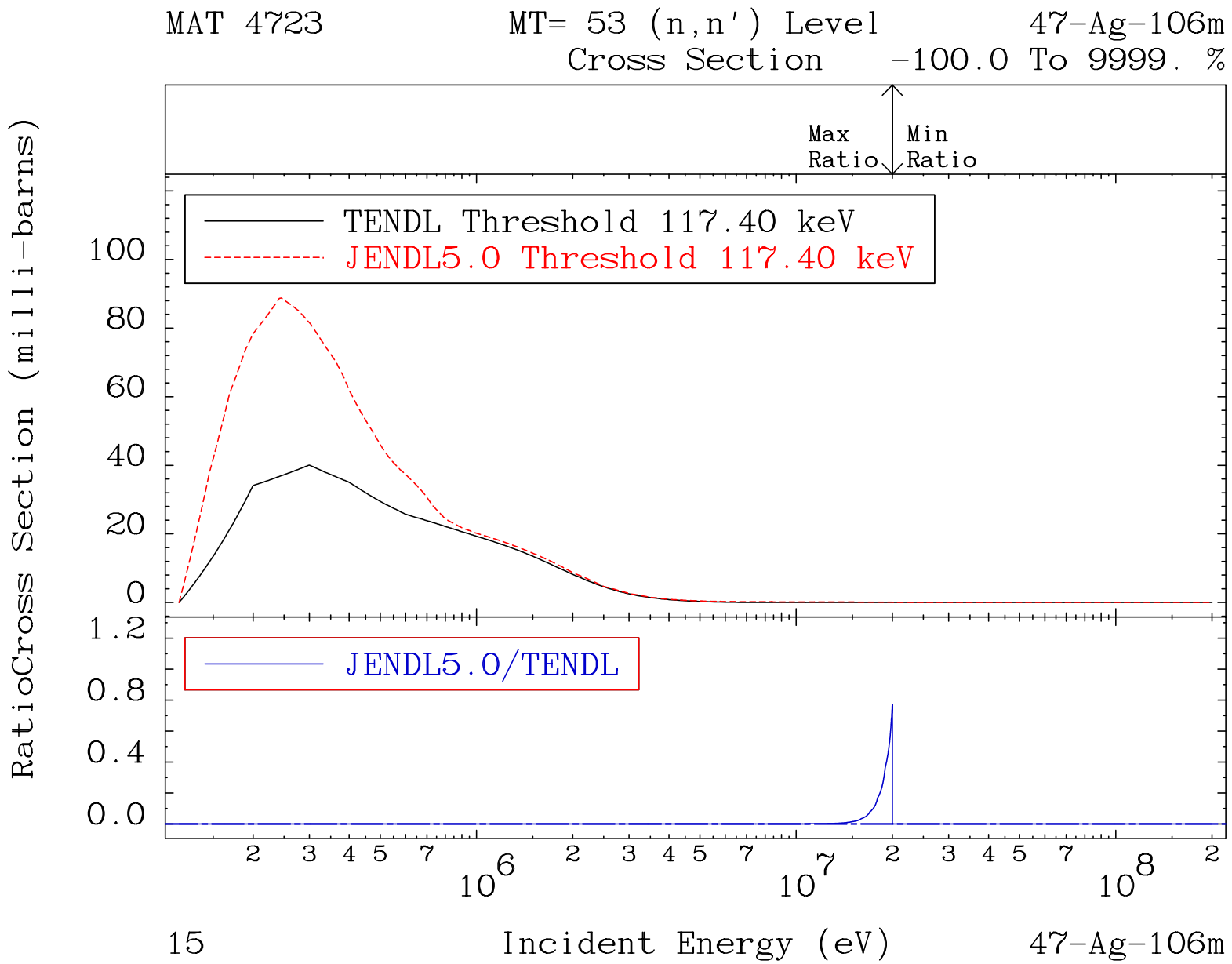

MAT 4723
(n,n') d
Cross Section
47-Ag-106m
-100.0 To 1031. %
Max Ratio
Min Ratio
TENDL Threshold 10.694 MeV
JENDL5.0 Threshold 10.694 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
12
6
0
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
47-Ag-106m

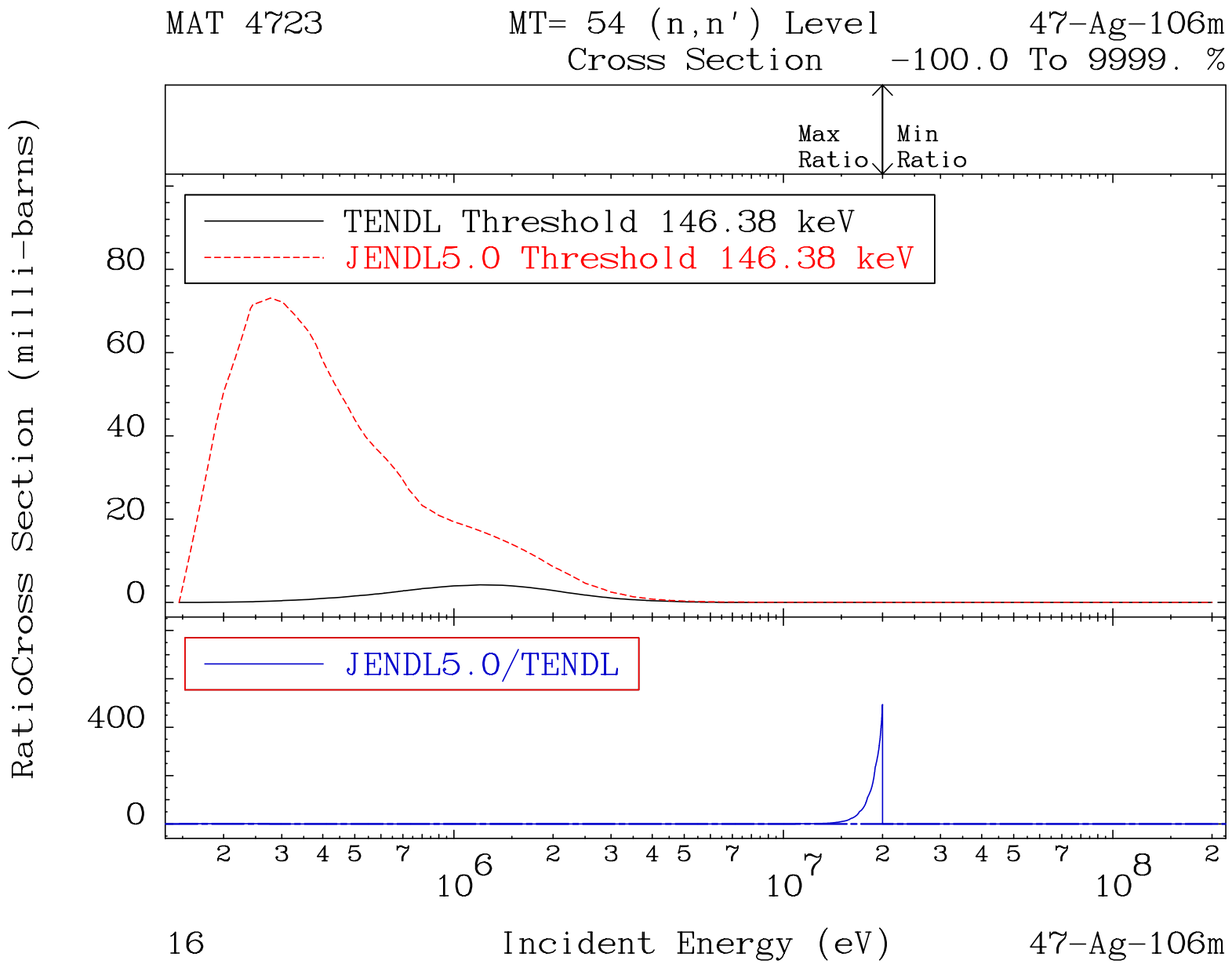

MAT 4723
(n,n') t
Cross Section
47-Ag-106m
-100.0 To 124.3 %
Max Ratio
Min Ratio
TENDL Threshold 14.482 MeV
JENDL5.0 Threshold 14.482 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
3.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
47-Ag-106m

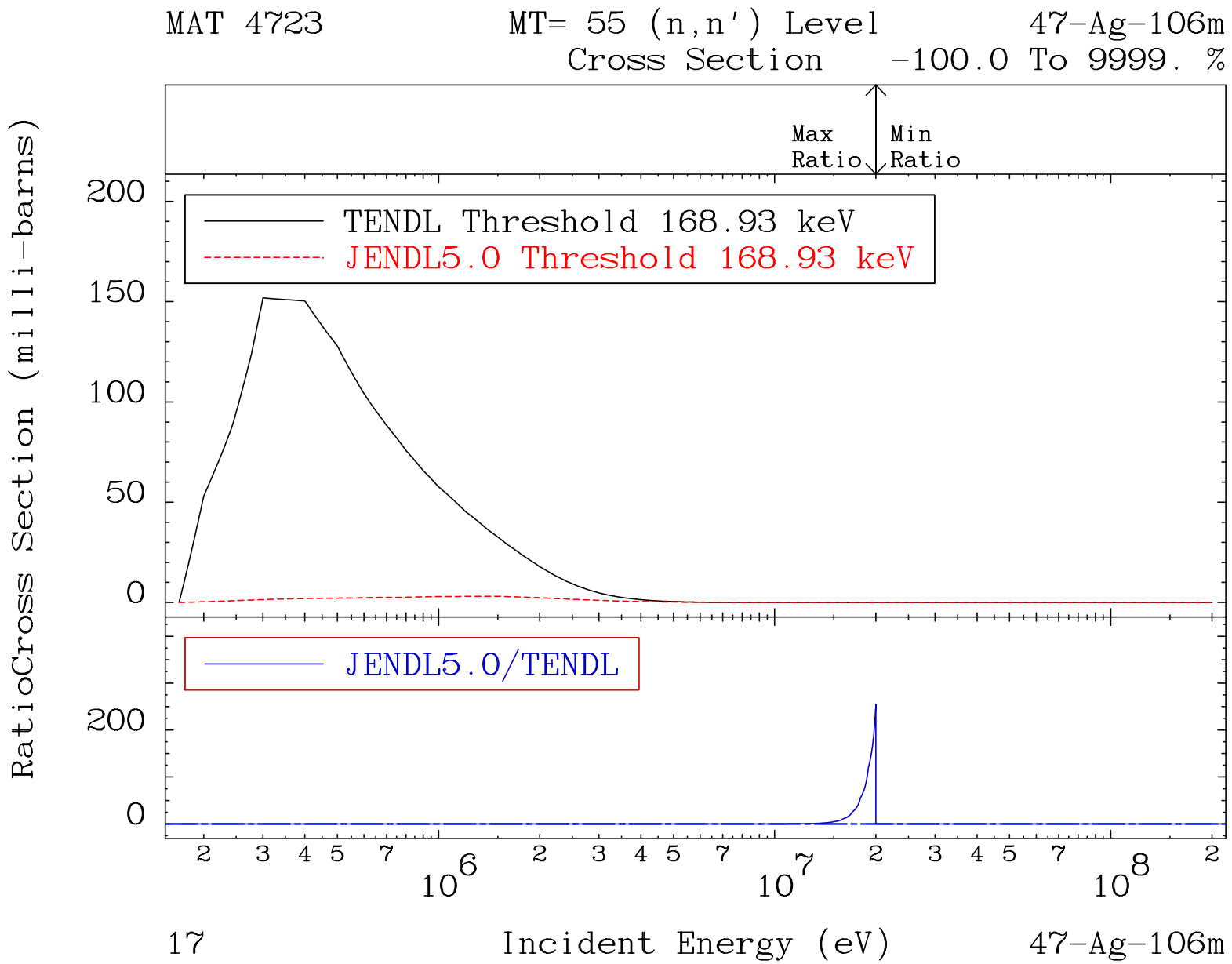

MAT 4723
(n,2n) p
Cross Section
47-Ag-106m
-100.0 To 22.27 %
Max
Ratio
TENDL Threshold 12.940 MeV
JENDL5.0 Threshold 12.940 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
12
Incident Energy (eV)
47-Ag-106m

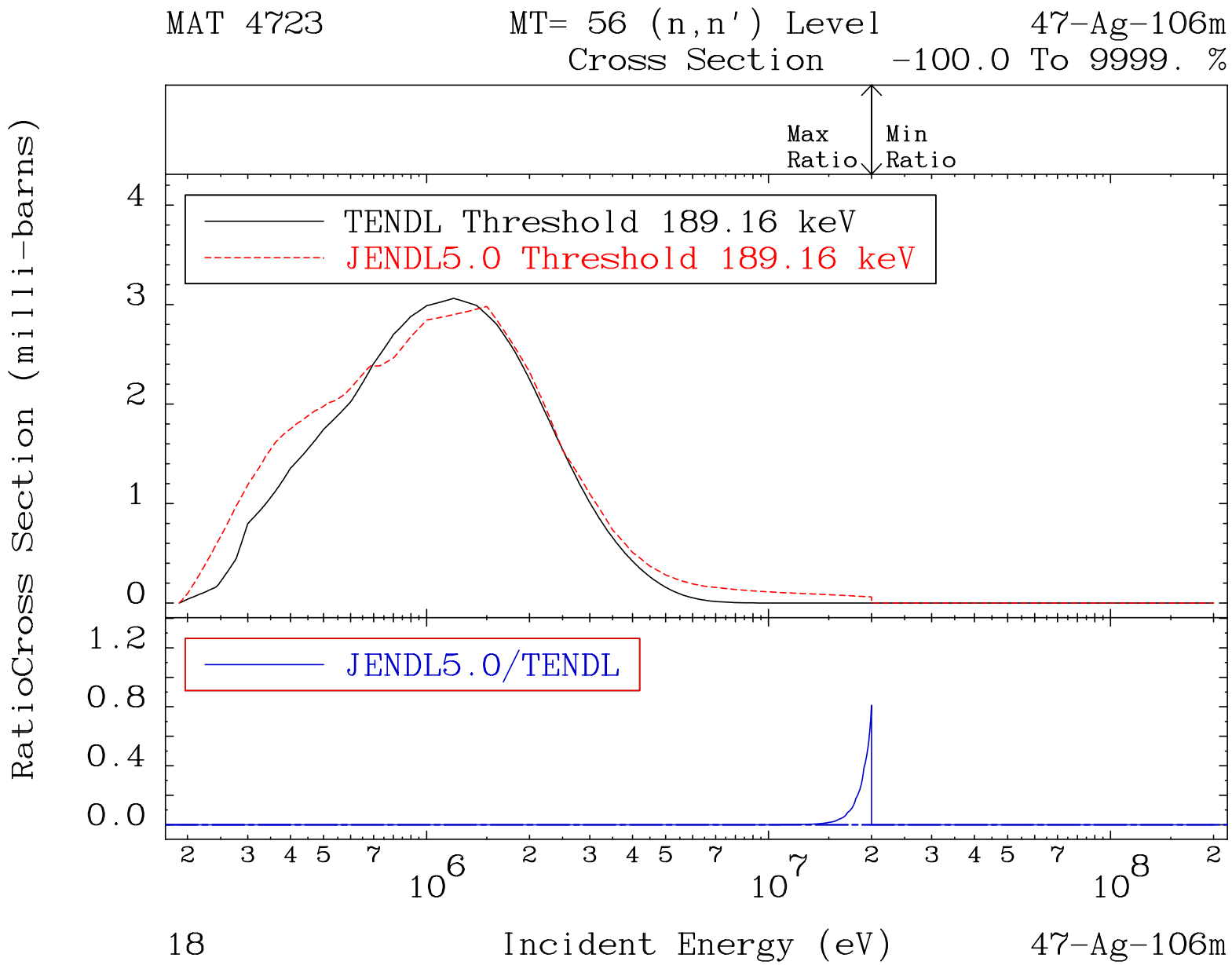

MAT 4723
MT= 51 (n,n') Level
47-Ag-106m
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.3561 eV
JENDL5.0
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
13
Incident Energy (eV)
47-Ag-106m

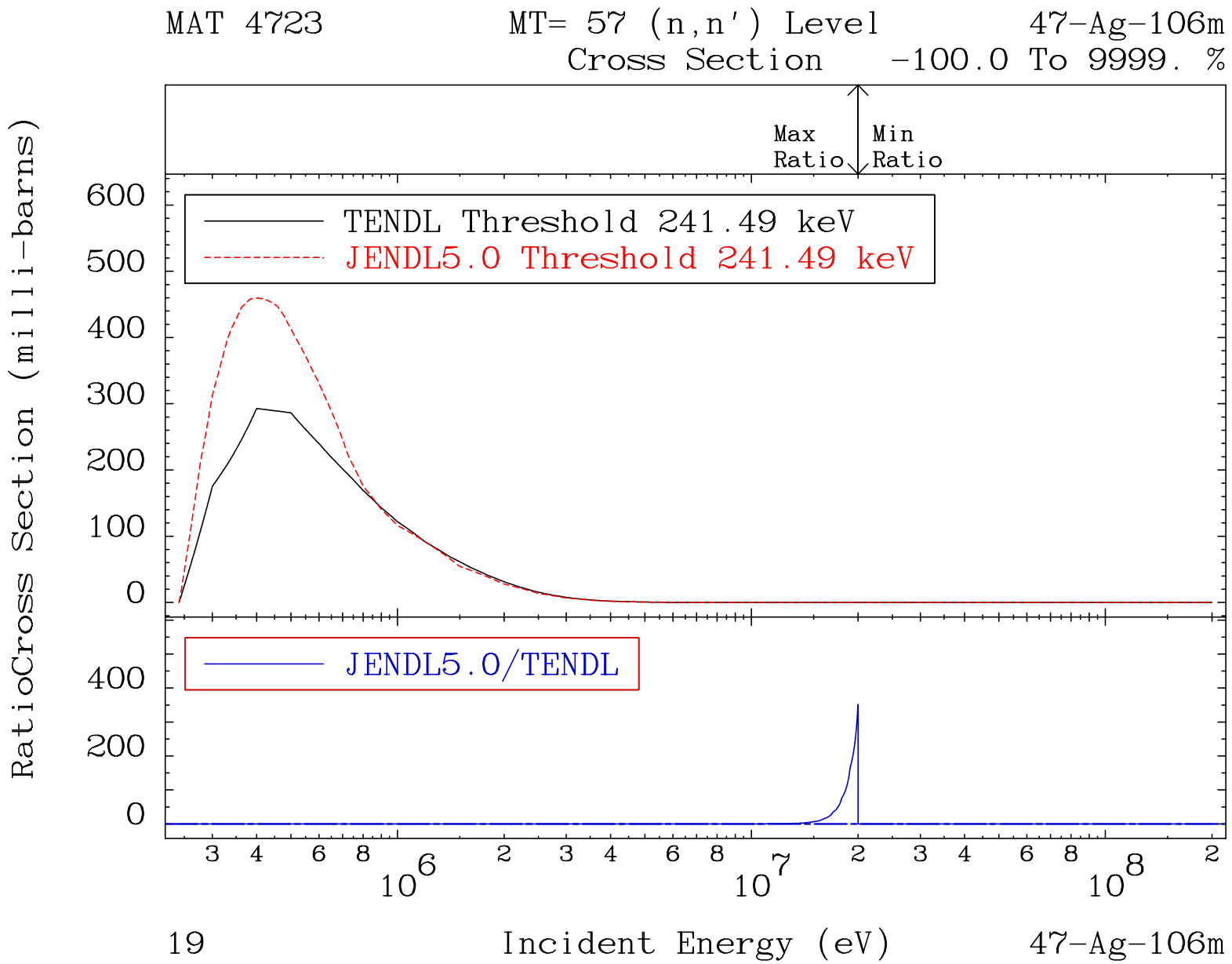

MAT 4723
MT= 52 (n,n') Level
47-Ag-106m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 21.200 keV
JENDL5.0 Threshold 21.200 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
14
47-Ag-106m

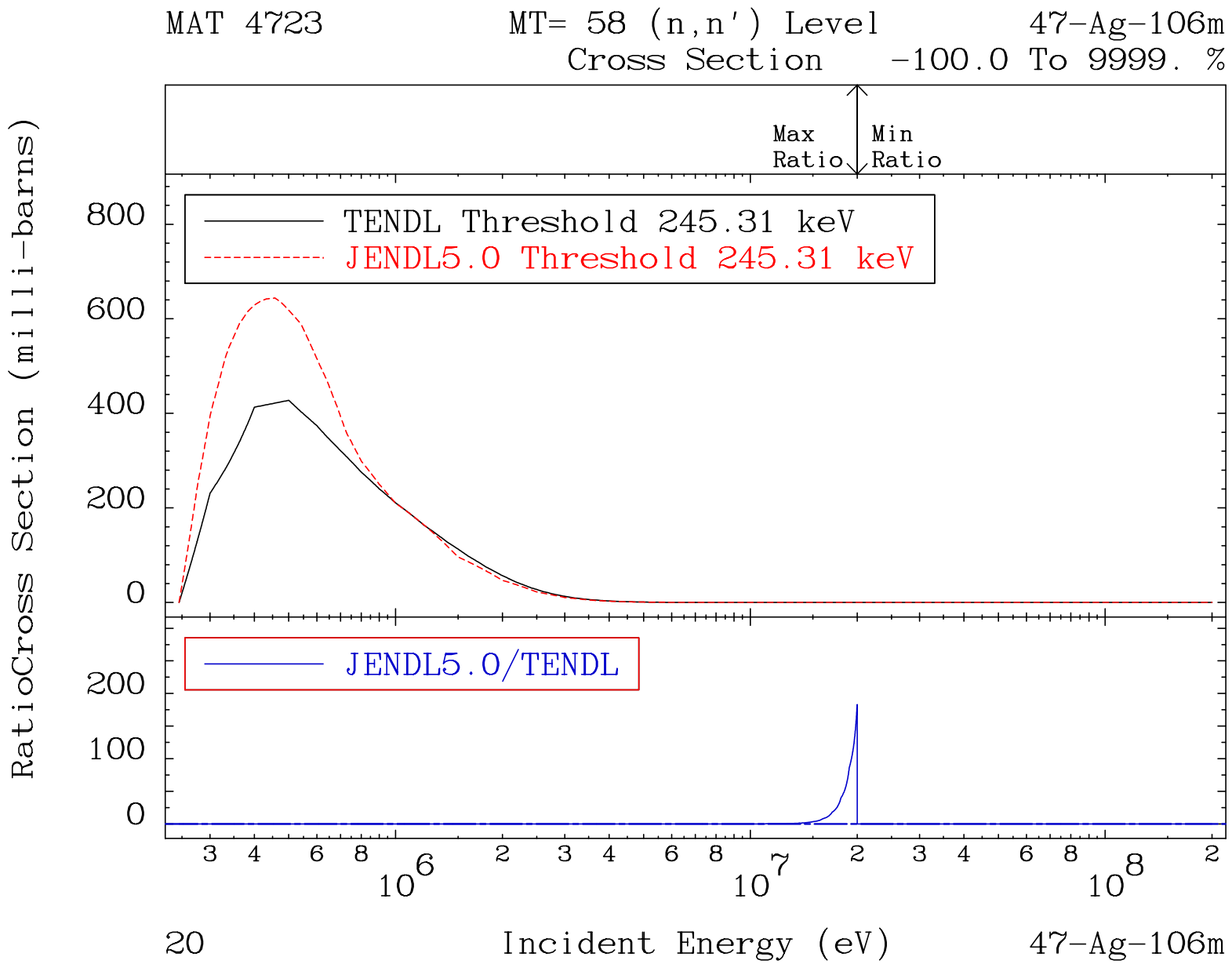

MAT 4723
MT= 53 (n,n') Level
47-Ag-106m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 117.40 keV
JENDL5.0 Threshold 117.40 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.2
0.8
0.4
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
15
Incident Energy (eV)
47-Ag-106m

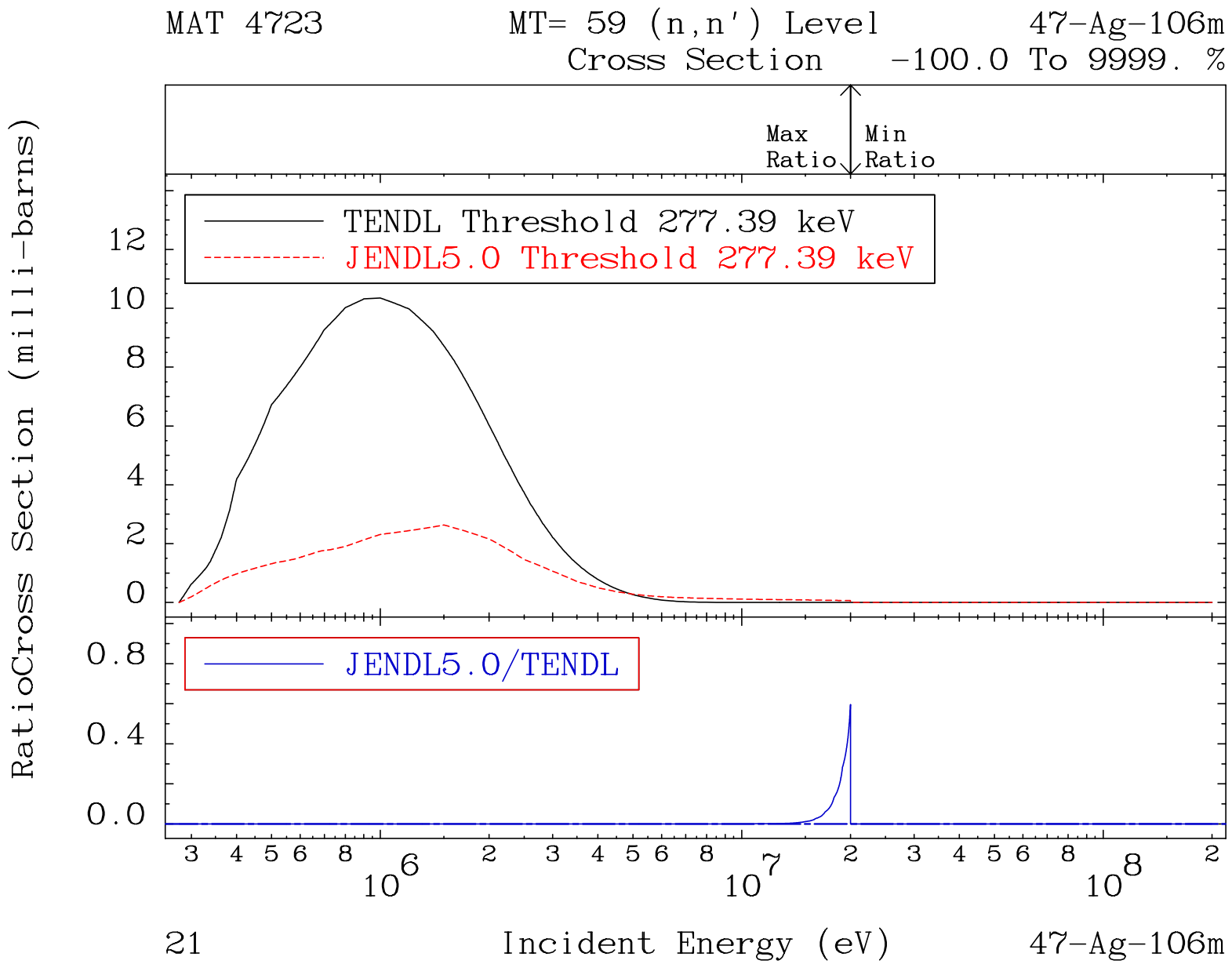

MAT 4723
MT= 54 (n,n') Level
47-Ag-106m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 146.38 keV
JENDL5.0 Threshold 146.38 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
400
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
16
Incident Energy (eV)
47-Ag-106m

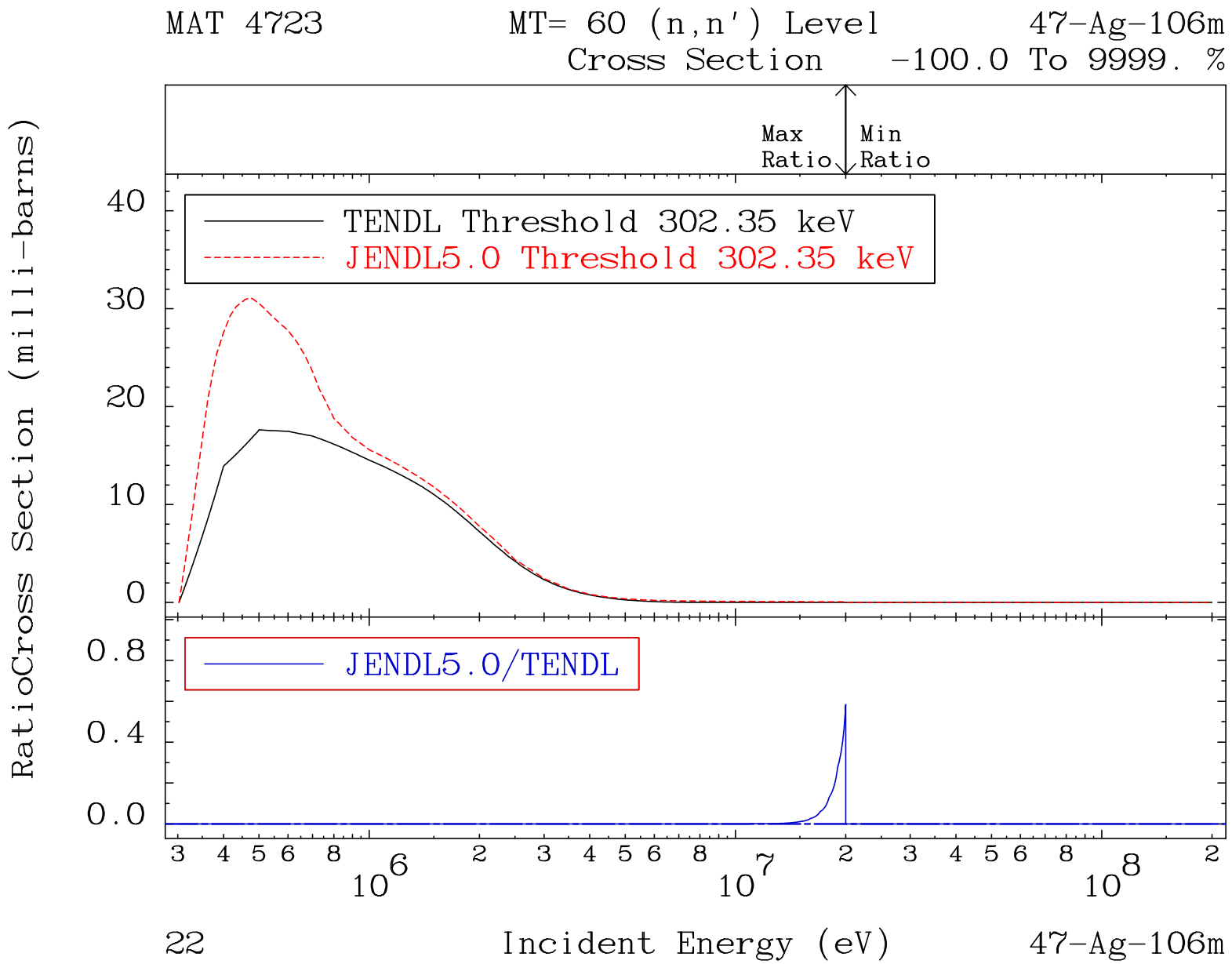

MAT 4723
MT= 55 (n,n') Level
47-Ag-106m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 168.93 keV
JENDL5.0 Threshold 168.93 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
200
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
17
Incident Energy (eV)
47-Ag-106m

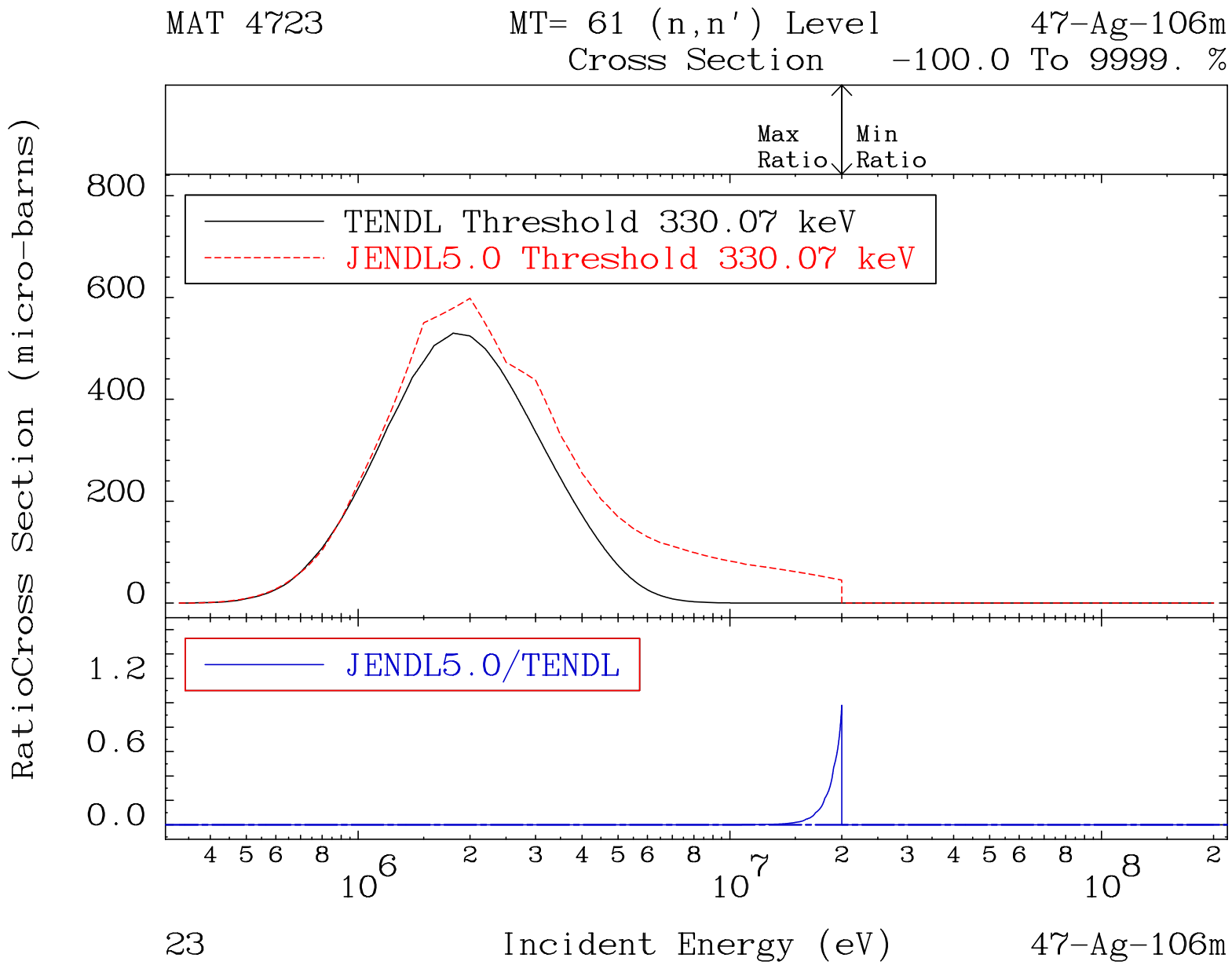

MAT 4723
MT= 56 (n,n') Level
47-Ag-106m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 189.16 keV
JENDL5.0 Threshold 189.16 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
18
47-Ag-106m

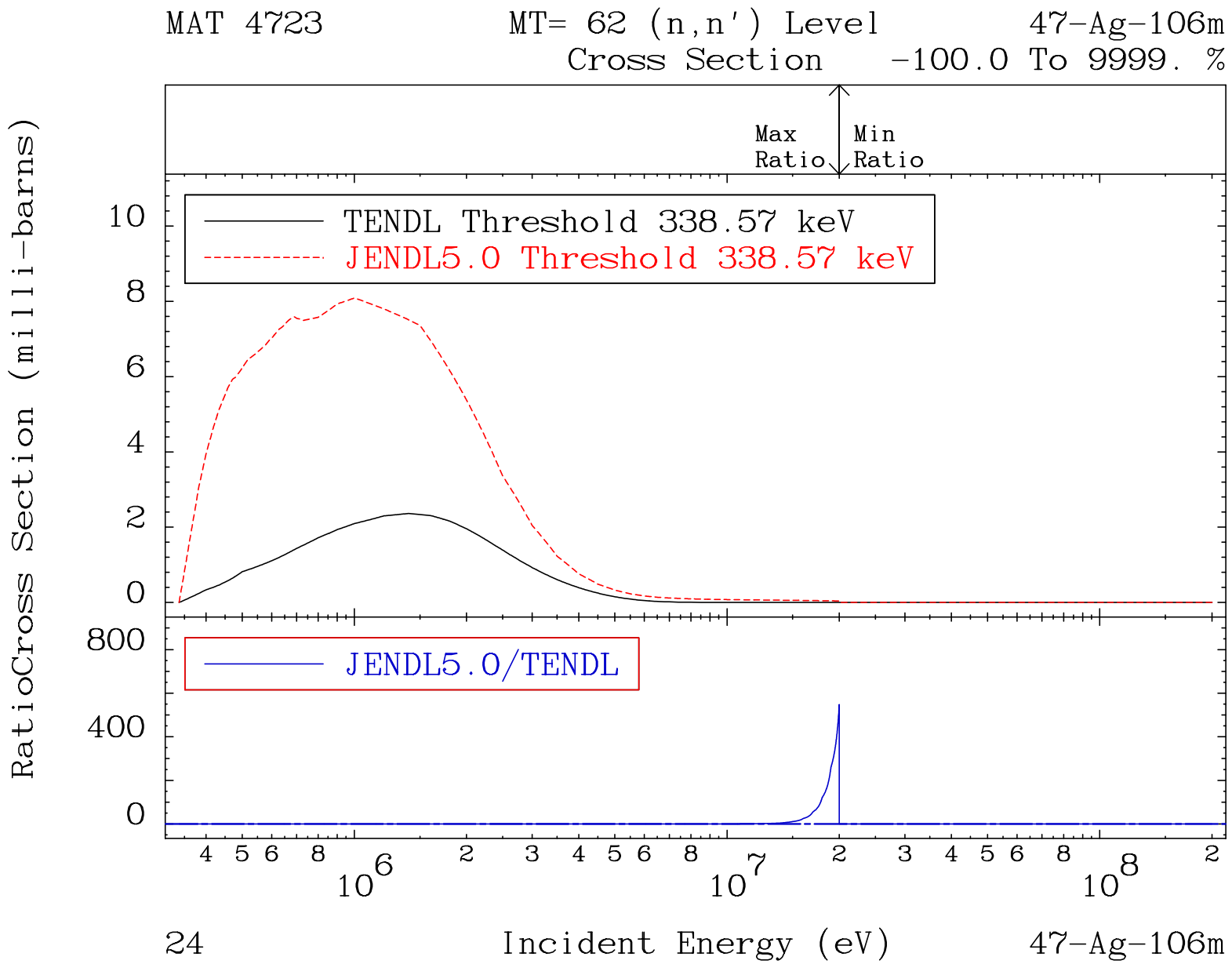

MAT 4723
MT= 57 (n,n') Level
47-Ag-106m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 241.49 keV
JENDL5.0 Threshold 241.49 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
400
200
0
3 4 6 8 10^6 2 3 4 6 8 10^7 2 3 4 6 8 10^8 2
19
Incident Energy (eV)
47-Ag-106m

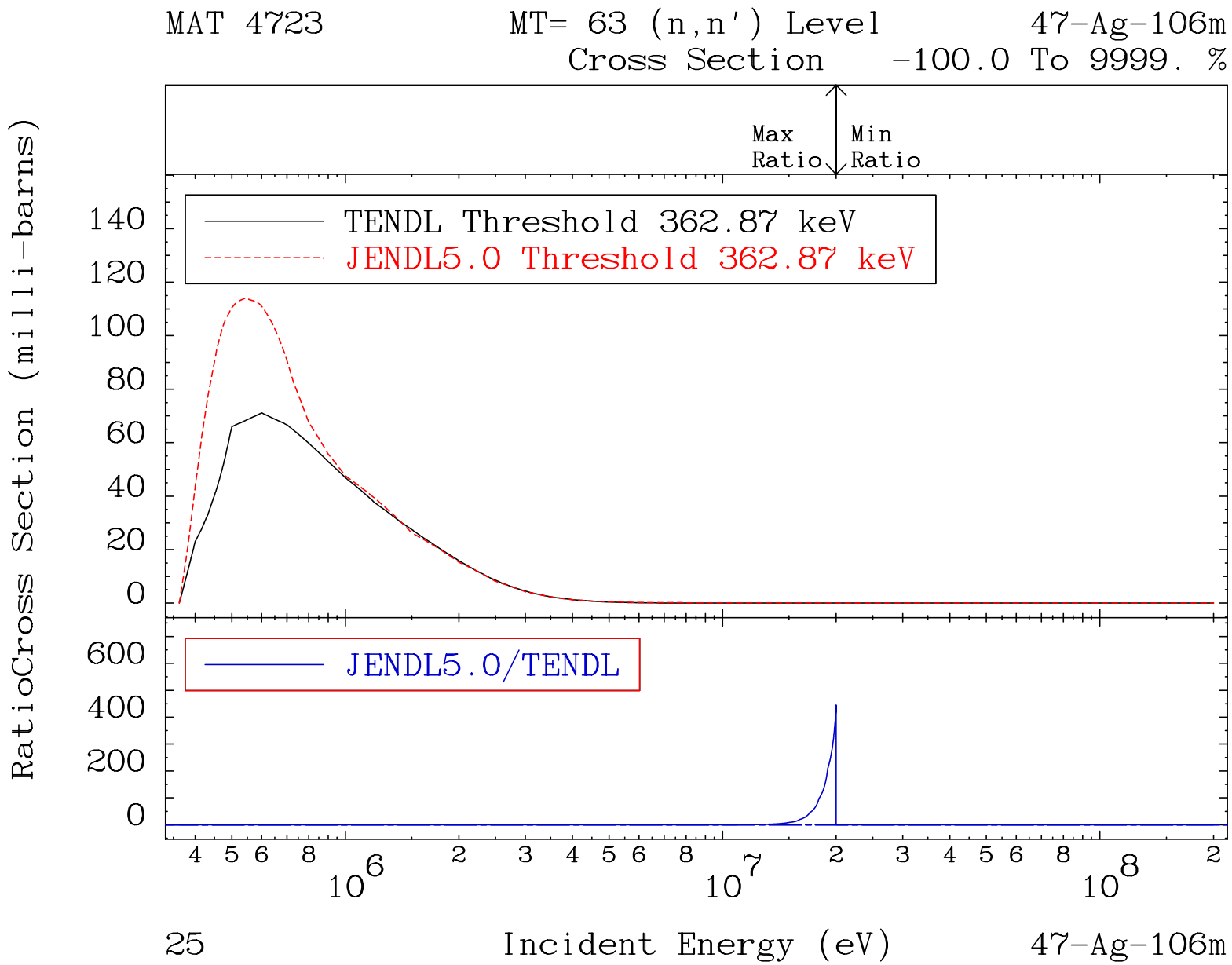

MAT 4723
MT= 58 (n,n') Level
47-Ag-106m
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 245.31 keV
JENDL5.0 Threshold 245.31 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
200
100
0
3 4 6 8 10^6 2 3 4 6 8 10^7 2 3 4 6 8 10^8 2
20
Incident Energy (eV)
47-Ag-106m

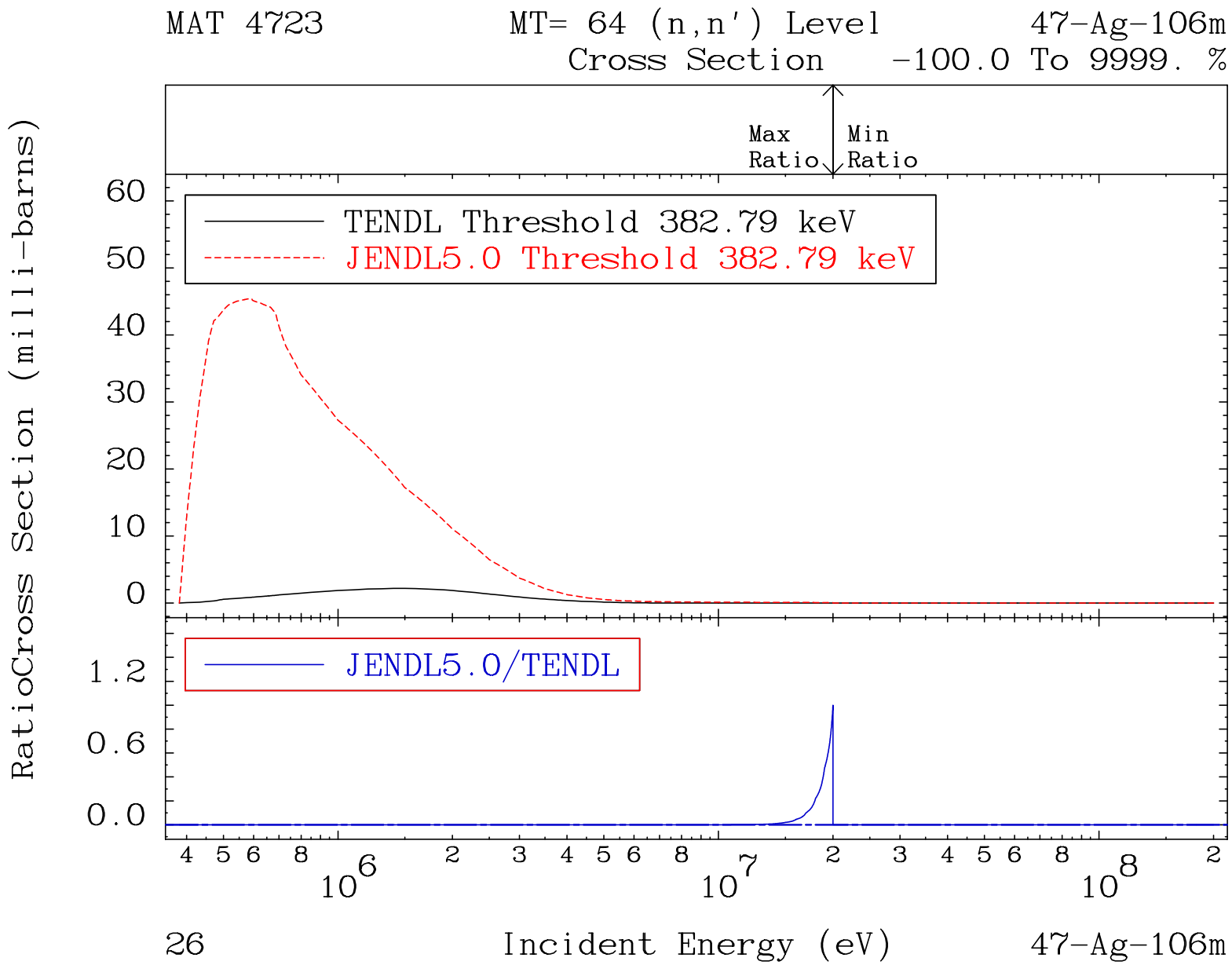

MAT 4723
MT= 59 (n,n') Level
47-Ag-106m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 277.39 keV
JENDL5.0 Threshold 277.39 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
21
47-Ag-106m

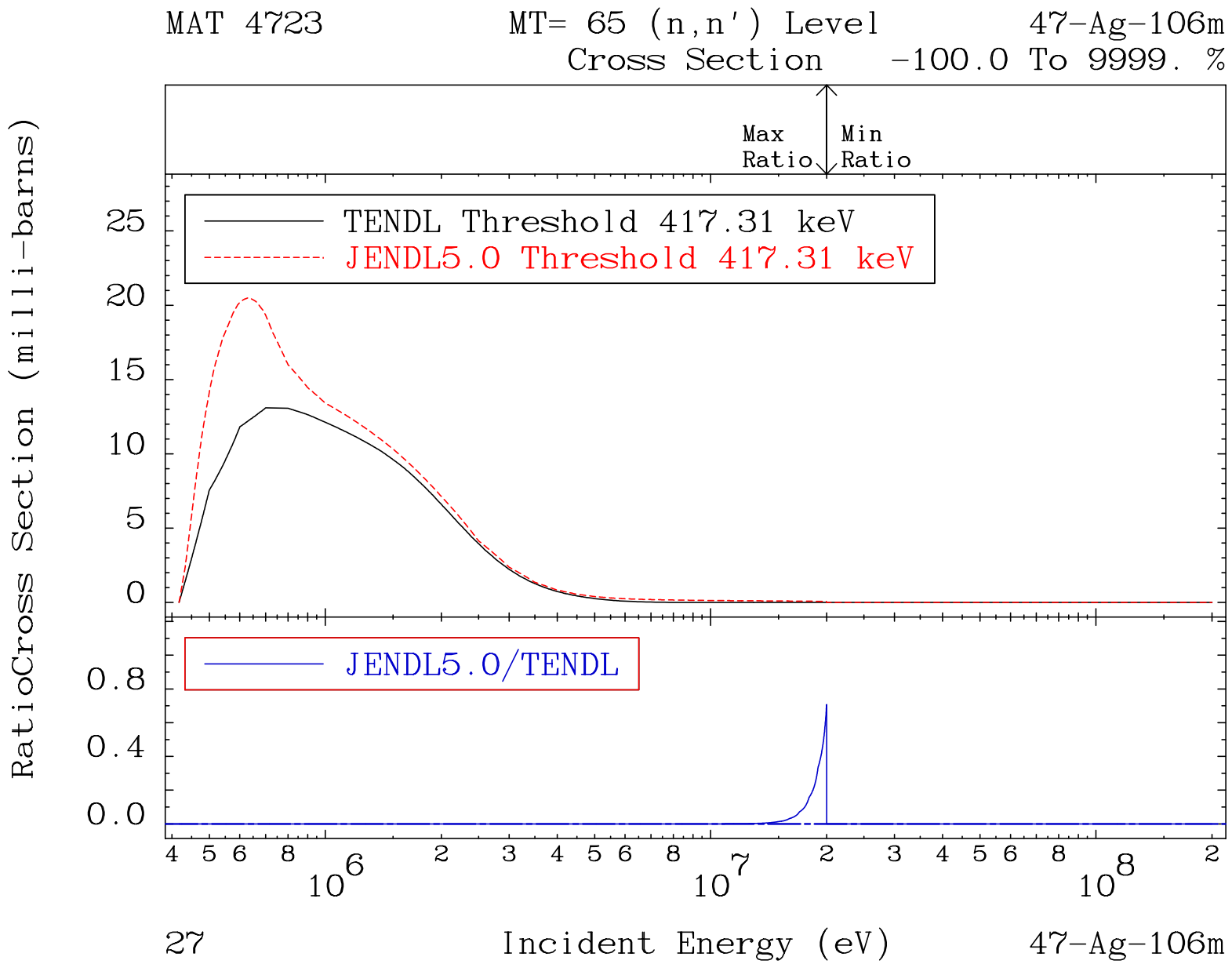

MAT 4723
MT= 60 (n,n') Level
47-Ag-106m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 302.35 keV
JENDL5.0 Threshold 302.35 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
0.8
0.4
0.0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
22
Incident Energy (eV)
47-Ag-106m

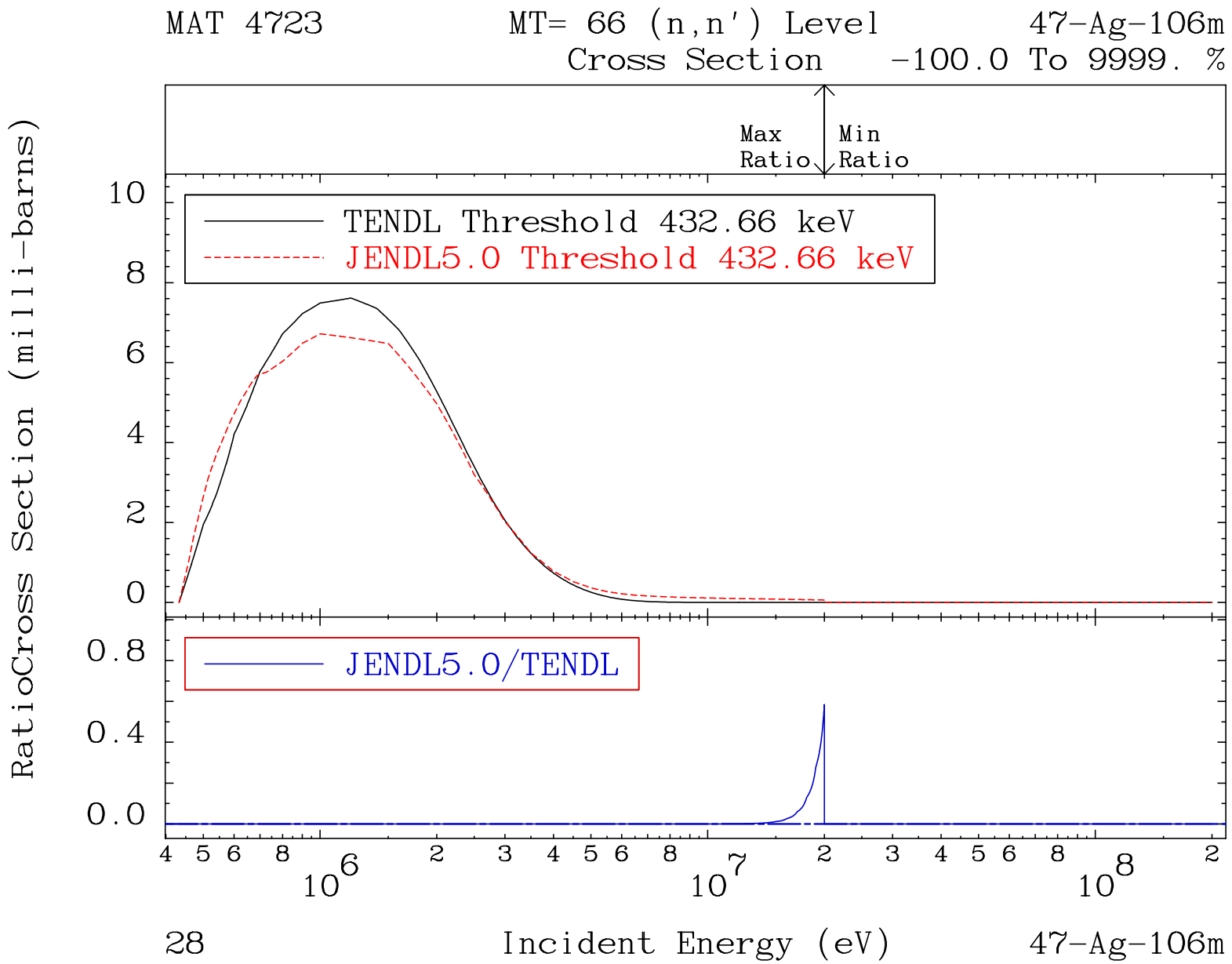

MAT 4723
MT= 61 (n,n') Level
47-Ag-106m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 330.07 keV
JENDL5.0 Threshold 330.07 keV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
800
600
400
200
0
1.2
0.6
0.0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
23
Incident Energy (eV)
47-Ag-106m

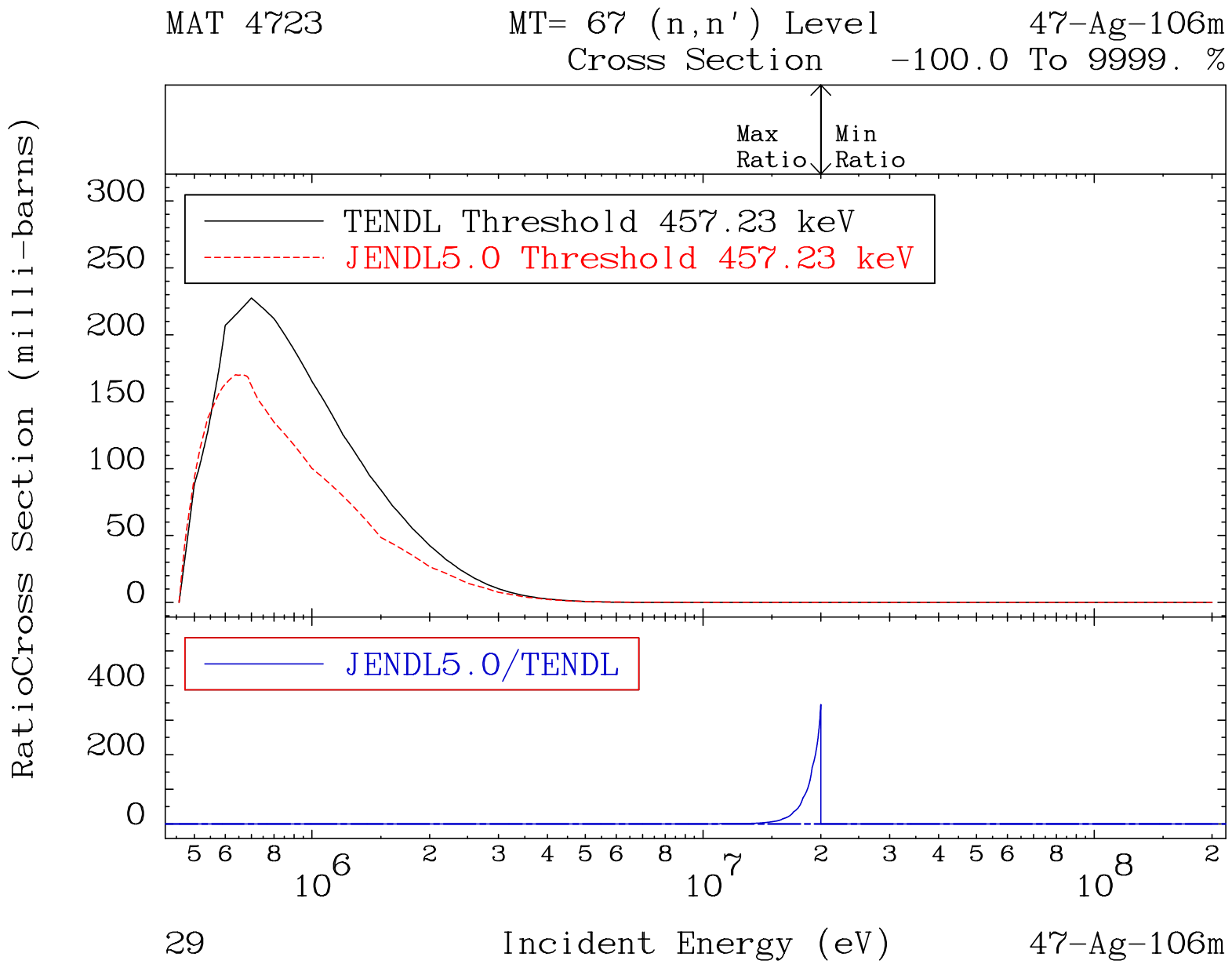

MAT 4723
MT= 62 (n,n') Level
47-Ag-106m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 338.57 keV
JENDL5.0 Threshold 338.57 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
24
47-Ag-106m

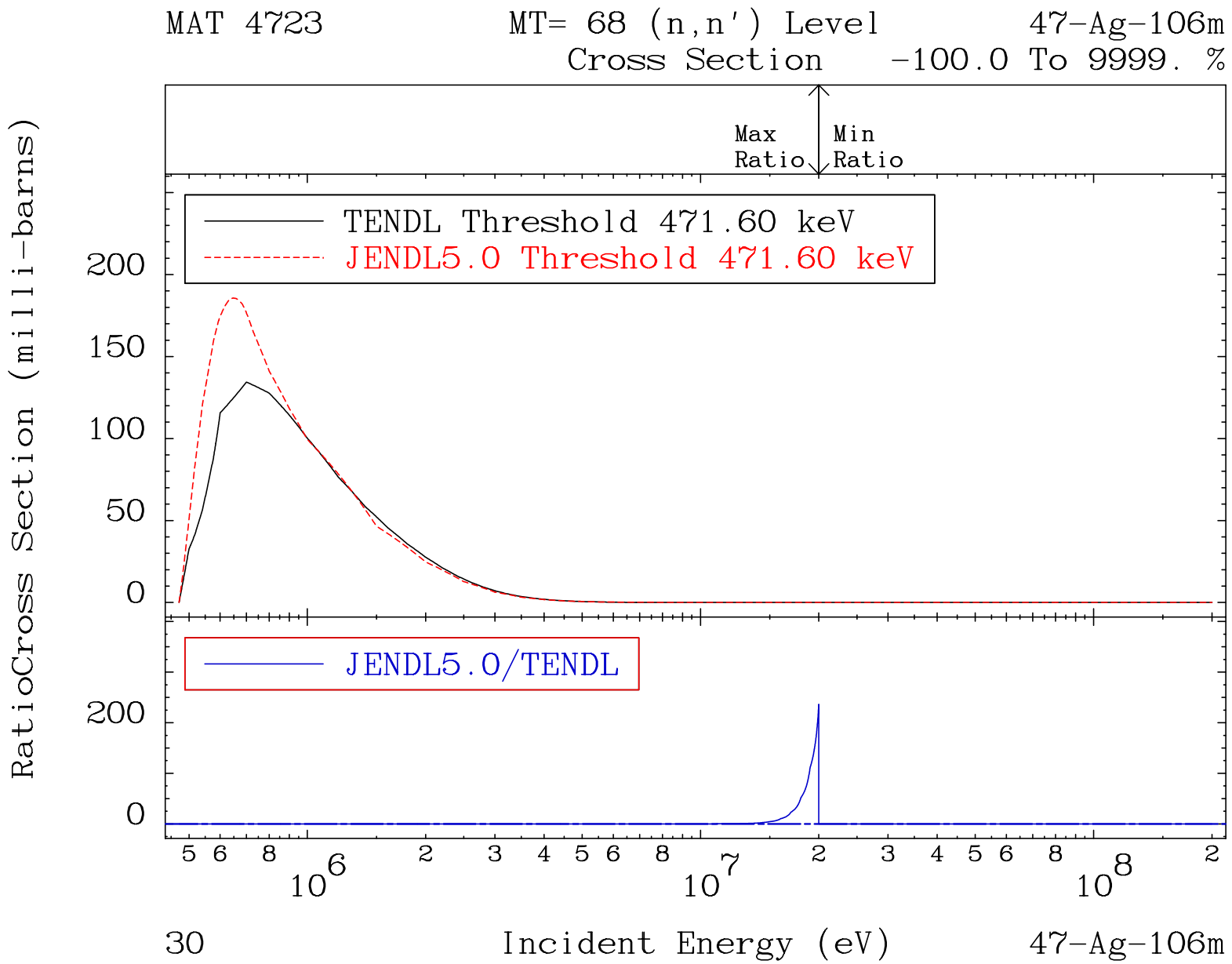

MAT 4723
MT= 63 (n,n') Level
47-Ag-106m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 362.87 keV
JENDL5.0 Threshold 362.87 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
600
400
200
0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
25
47-Ag-106m

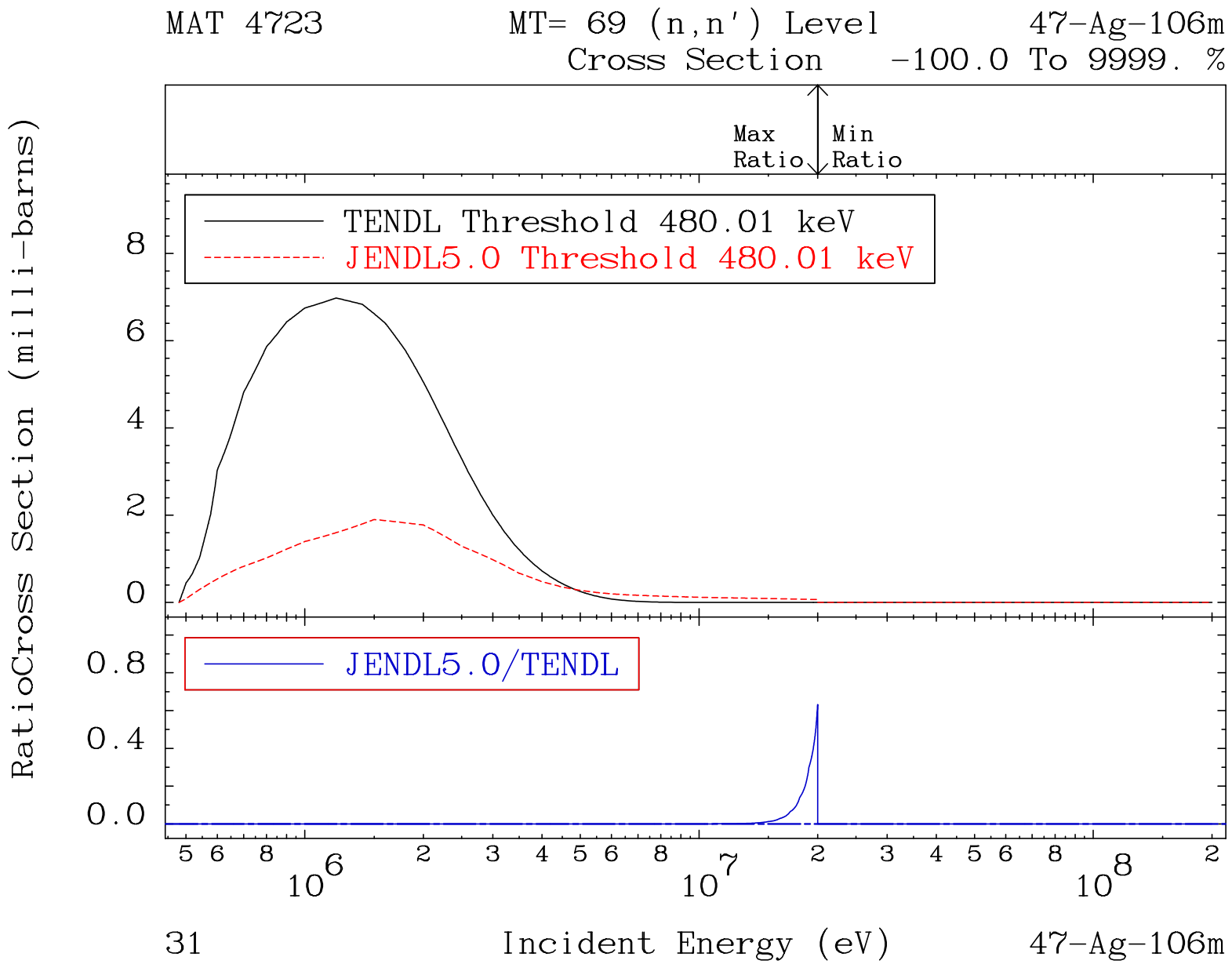

MAT 4723
MT= 64 (n,n') Level
47-Ag-106m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 382.79 keV
JENDL5.0 Threshold 382.79 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.2
0.6
0.0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
26
Incident Energy (eV)
47-Ag-106m

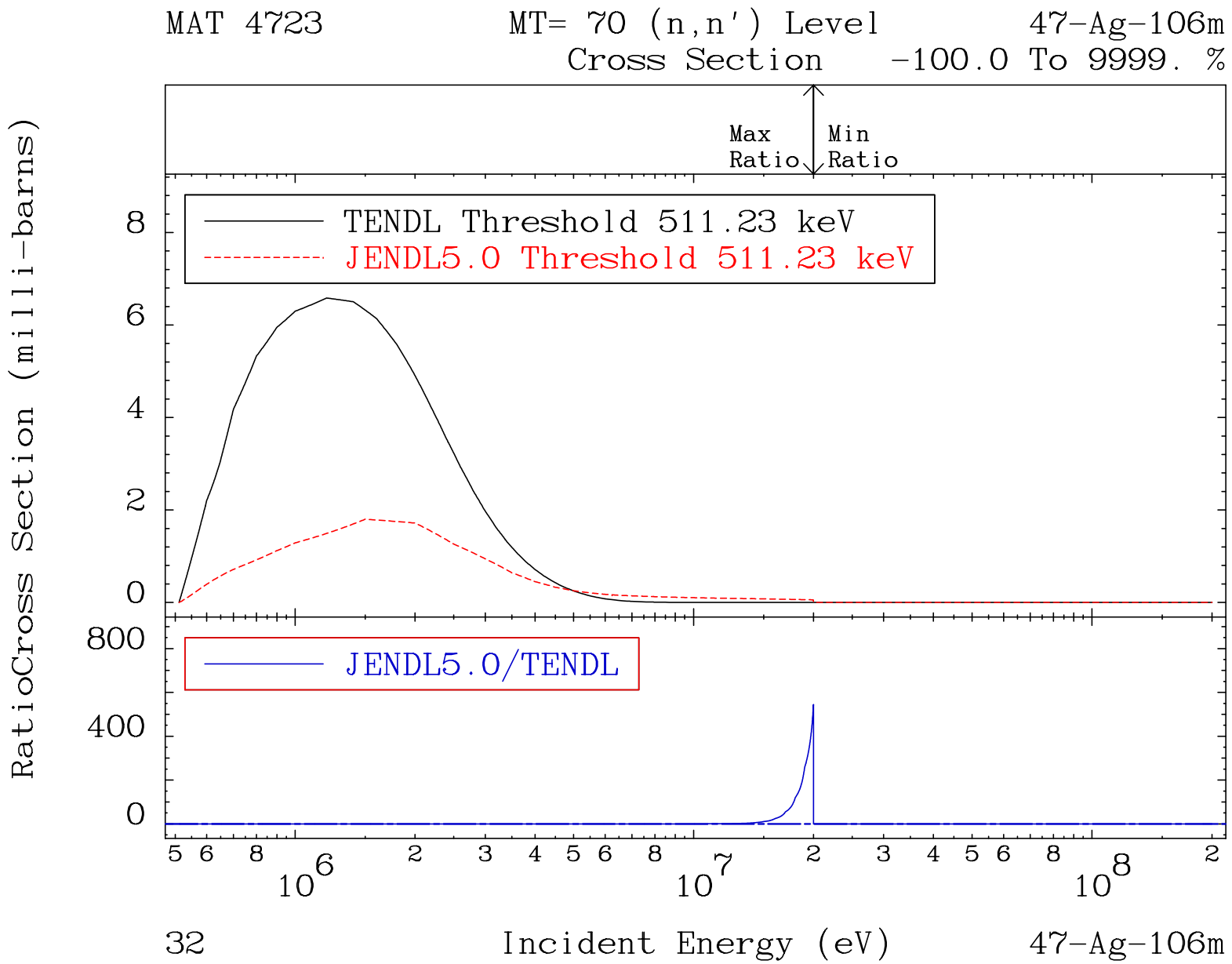

MAT 4723
MT= 65 (n,n') Level
47-Ag-106m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 417.31 keV
JENDL5.0 Threshold 417.31 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
0.8
0.4
0.0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
27
Incident Energy (eV)
47-Ag-106m

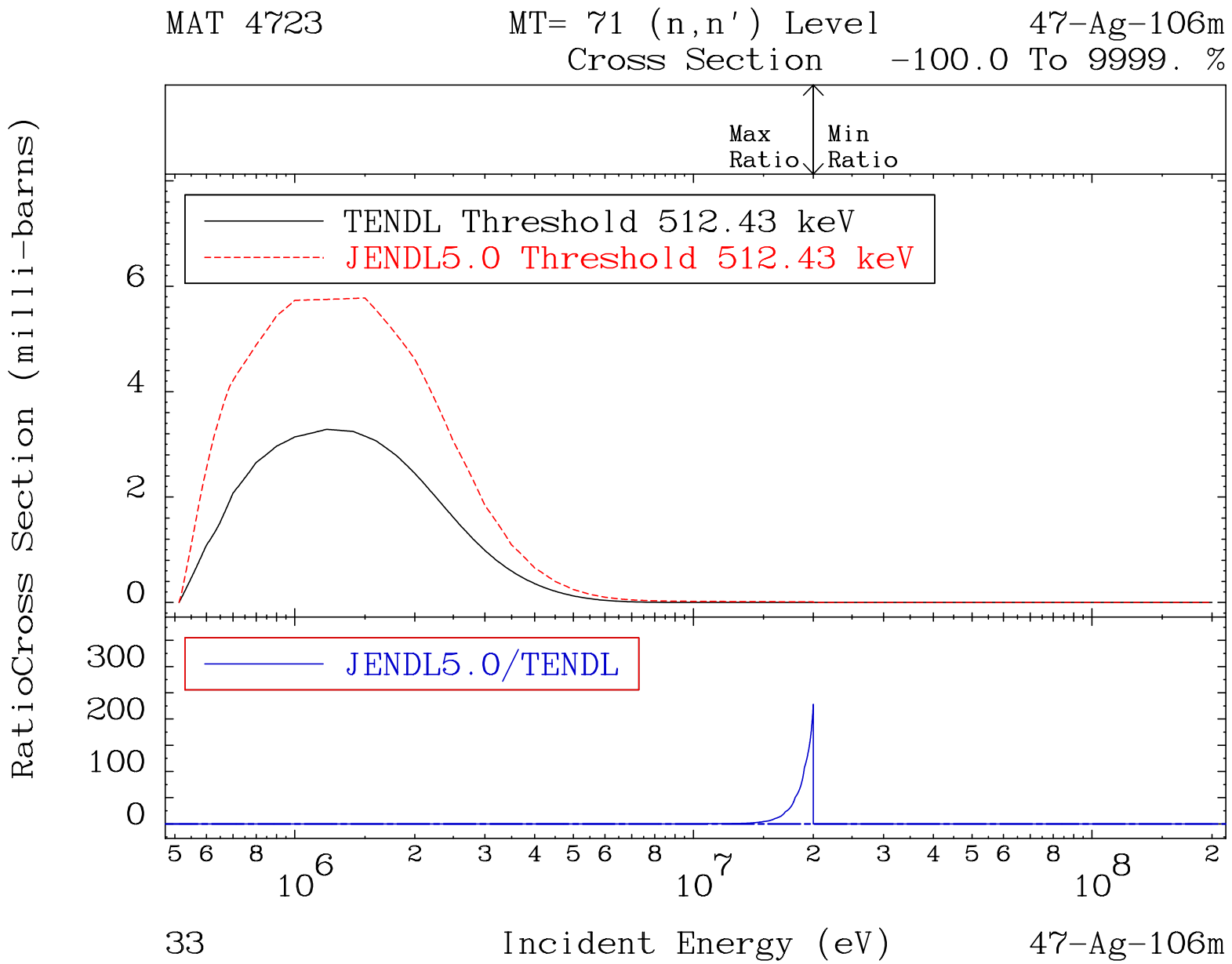

MAT 4723
MT= 66 (n,n') Level
47-Ag-106m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 432.66 keV
JENDL5.0 Threshold 432.66 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
28
47-Ag-106m

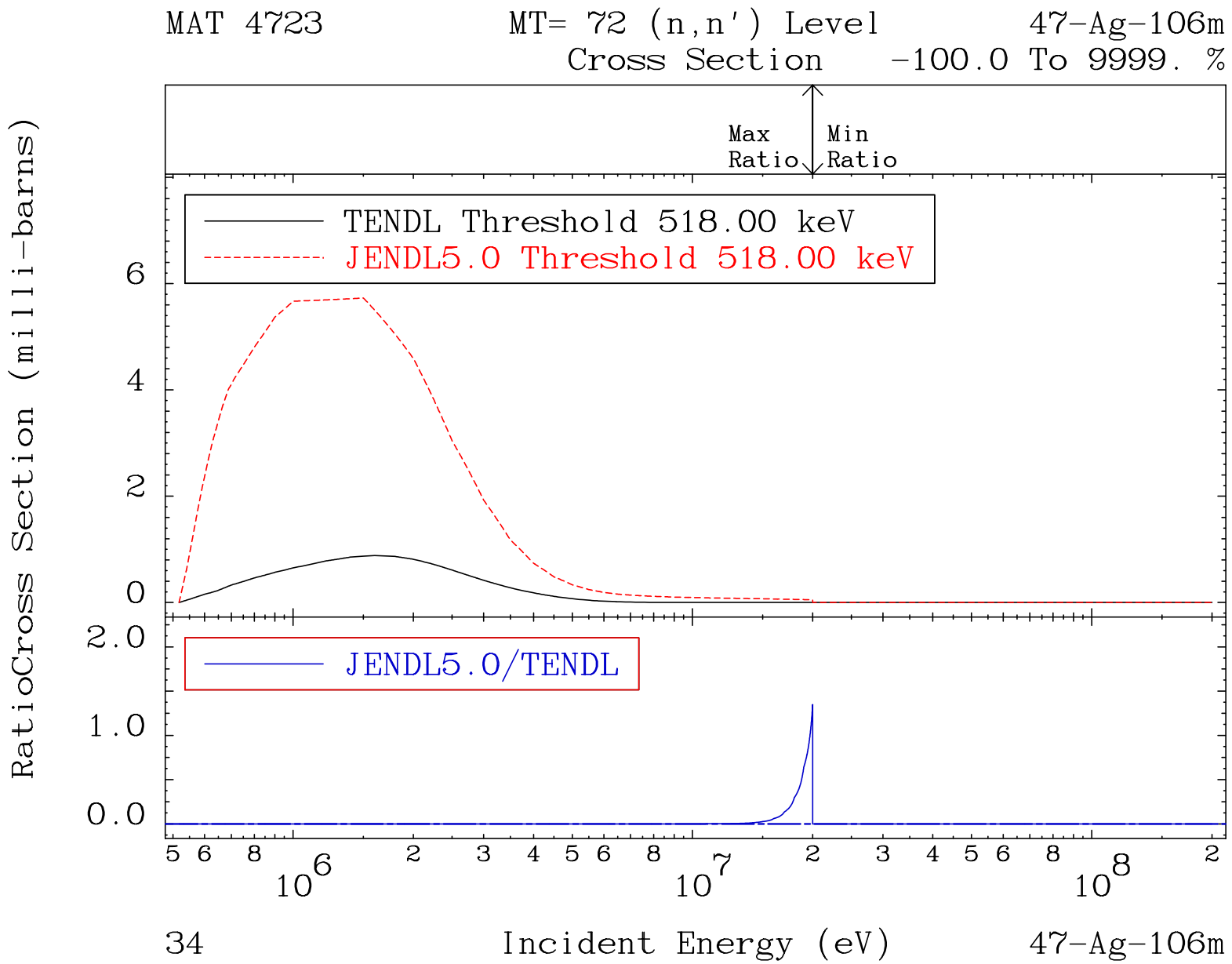

MAT 4723
MT= 67 (n,n') Level
47-Ag-106m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 457.23 keV
JENDL5.0 Threshold 457.23 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
400
200
0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
29
Incident Energy (eV)
47-Ag-106m

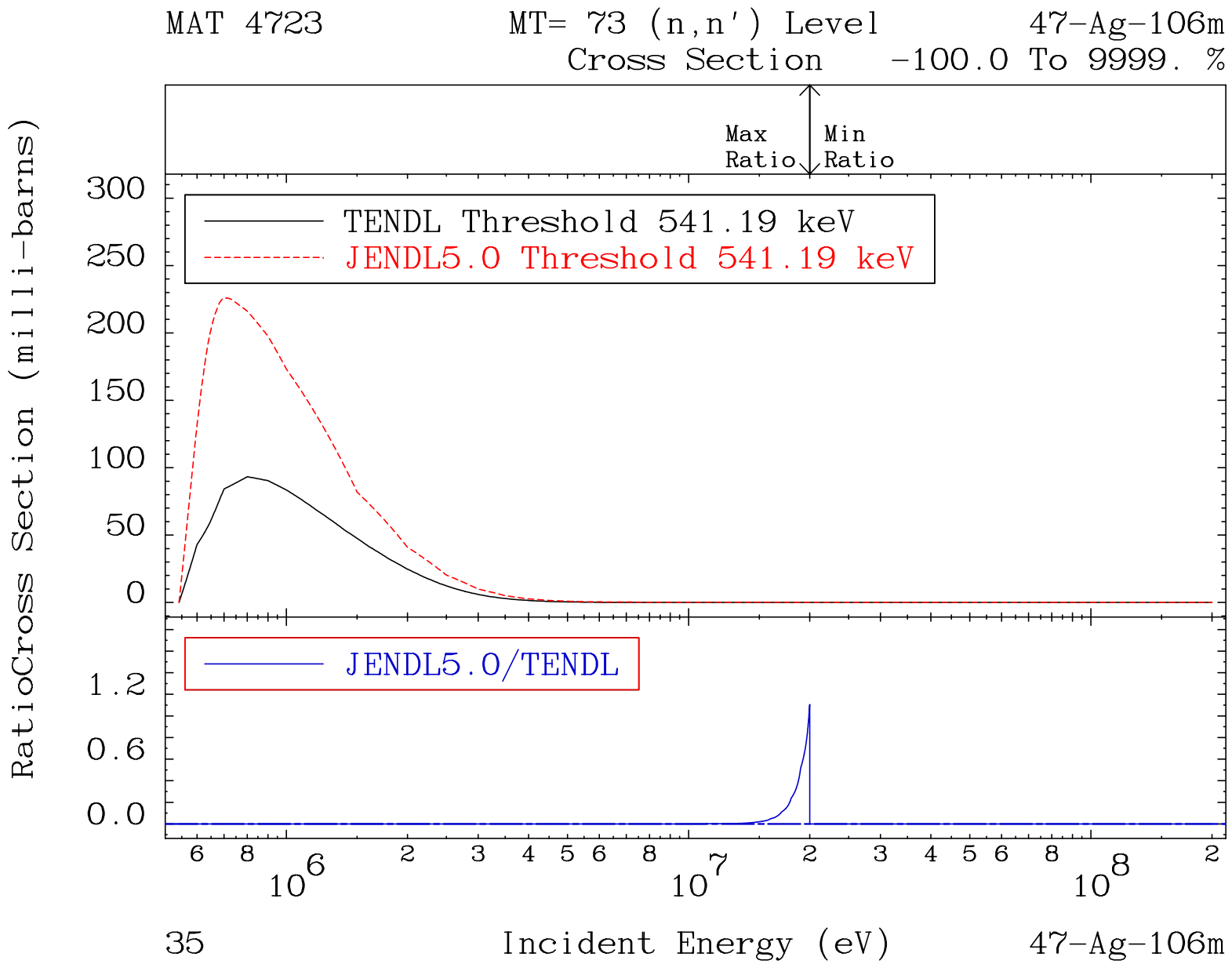

MAT 4723
MT= 68 (n,n') Level
47-Ag-106m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 471.60 keV
JENDL5.0 Threshold 471.60 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
200
0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
30
Incident Energy (eV)
47-Ag-106m

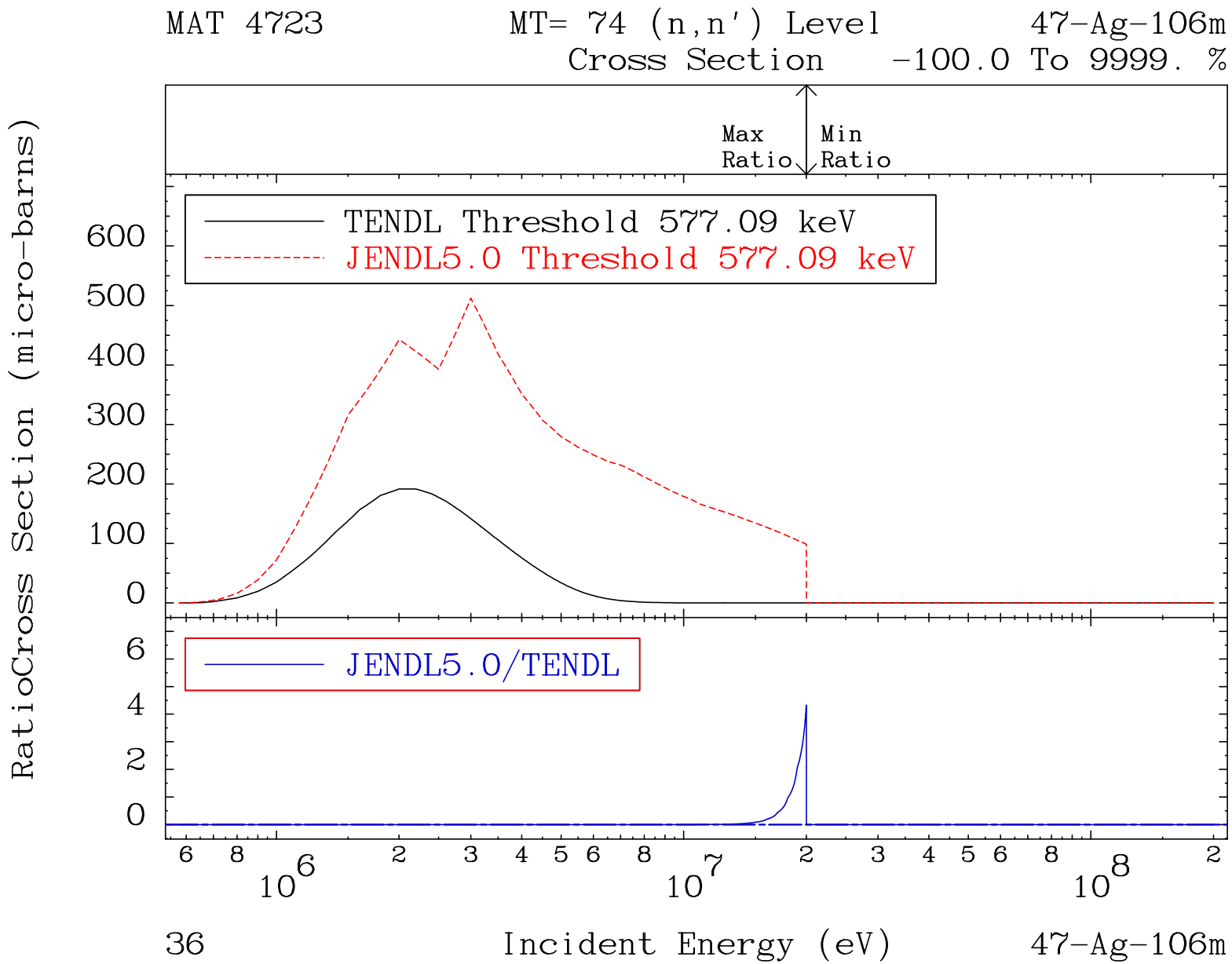

MAT 4723
MT= 69 (n,n') Level
47-Ag-106m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 480.01 keV
JENDL5.0 Threshold 480.01 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
31
47-Ag-106m

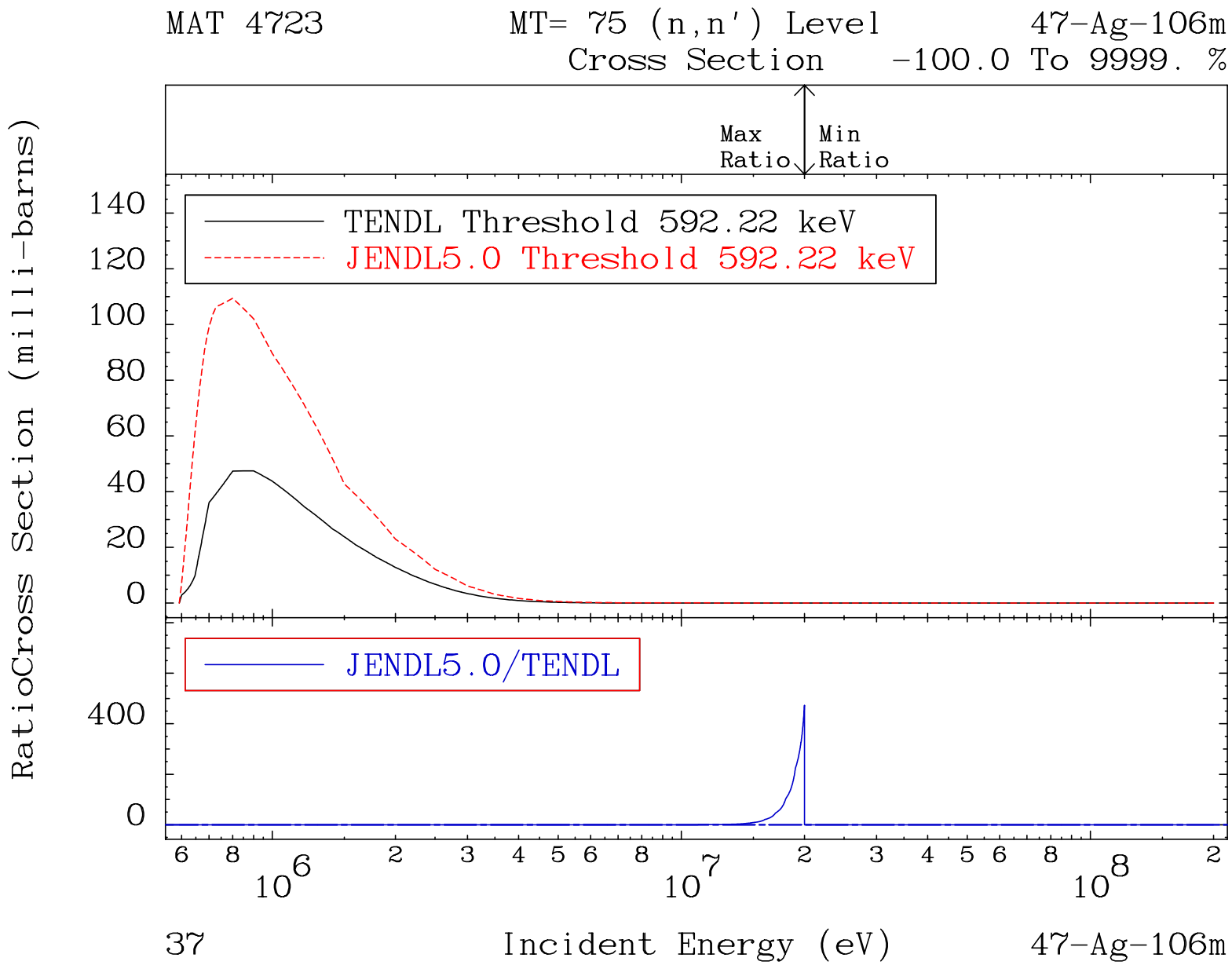

MAT 4723
MT= 70 (n,n') Level
47-Ag-106m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 511.23 keV
JENDL5.0 Threshold 511.23 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
32
47-Ag-106m

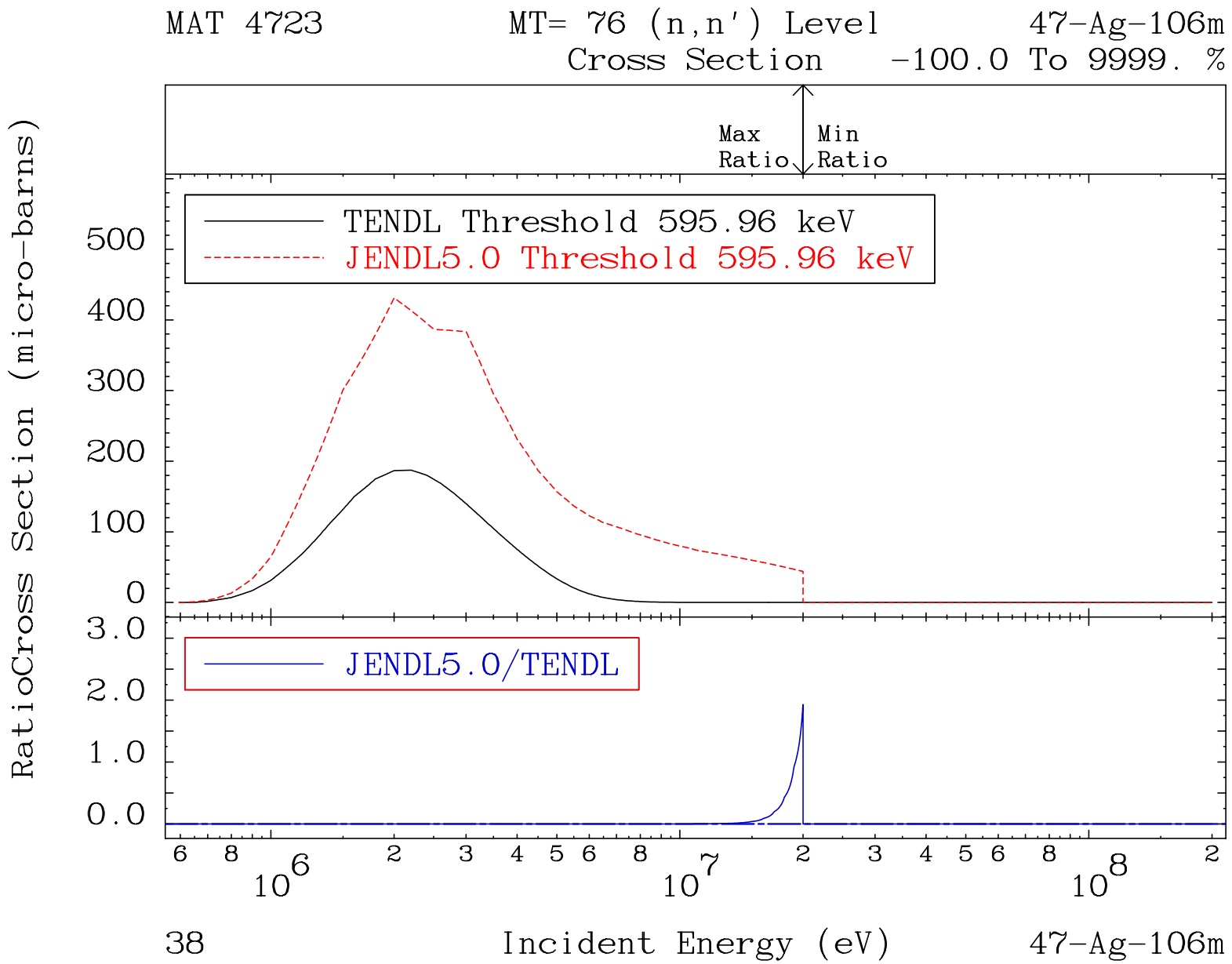

MAT 4723
MT= 71 (n,n') Level
47-Ag-106m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 512.43 keV
JENDL5.0 Threshold 512.43 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
33
47-Ag-106m

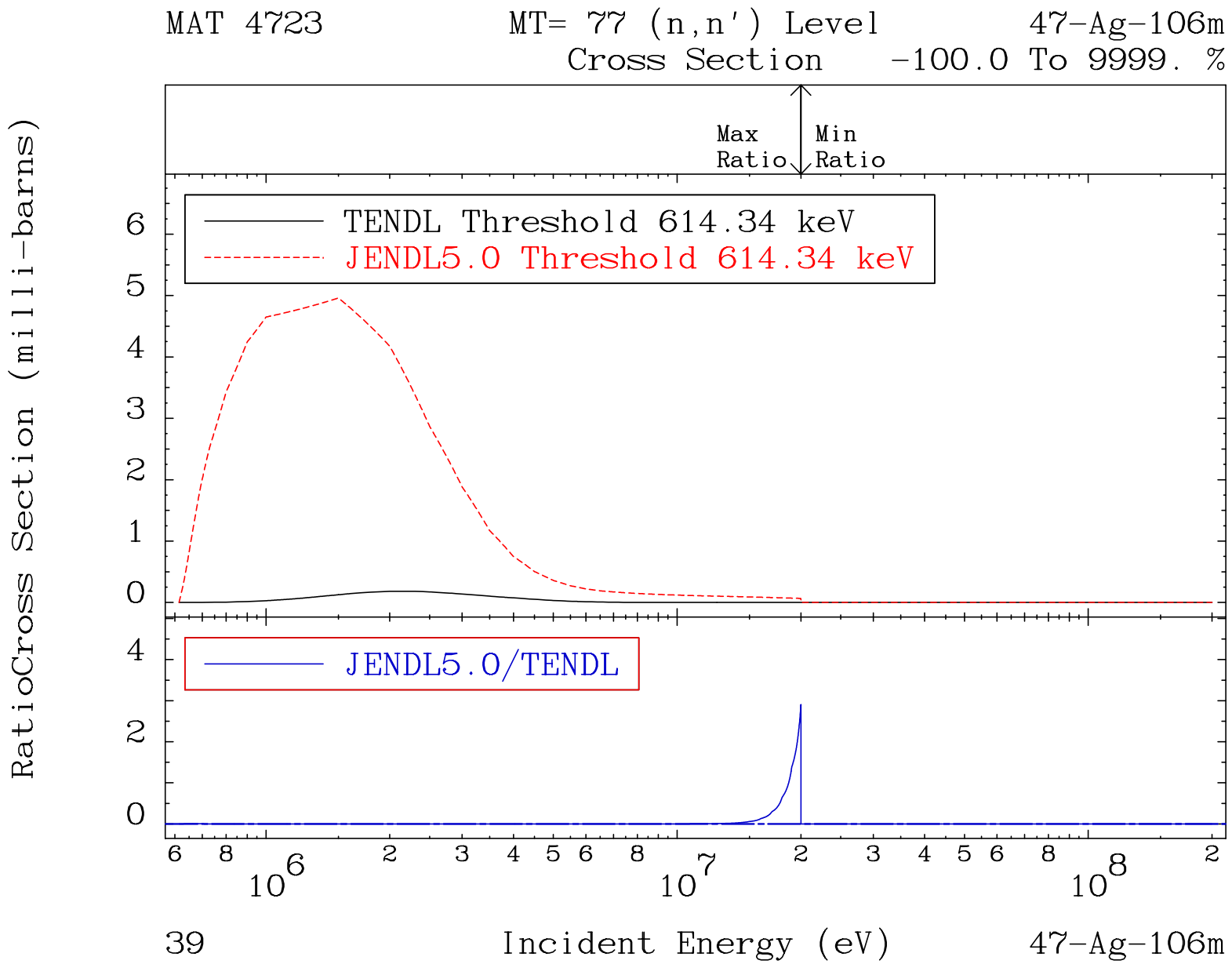

MAT 4723
MT= 72 (n,n') Level
47-Ag-106m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 518.00 keV
JENDL5.0 Threshold 518.00 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
34
47-Ag-106m

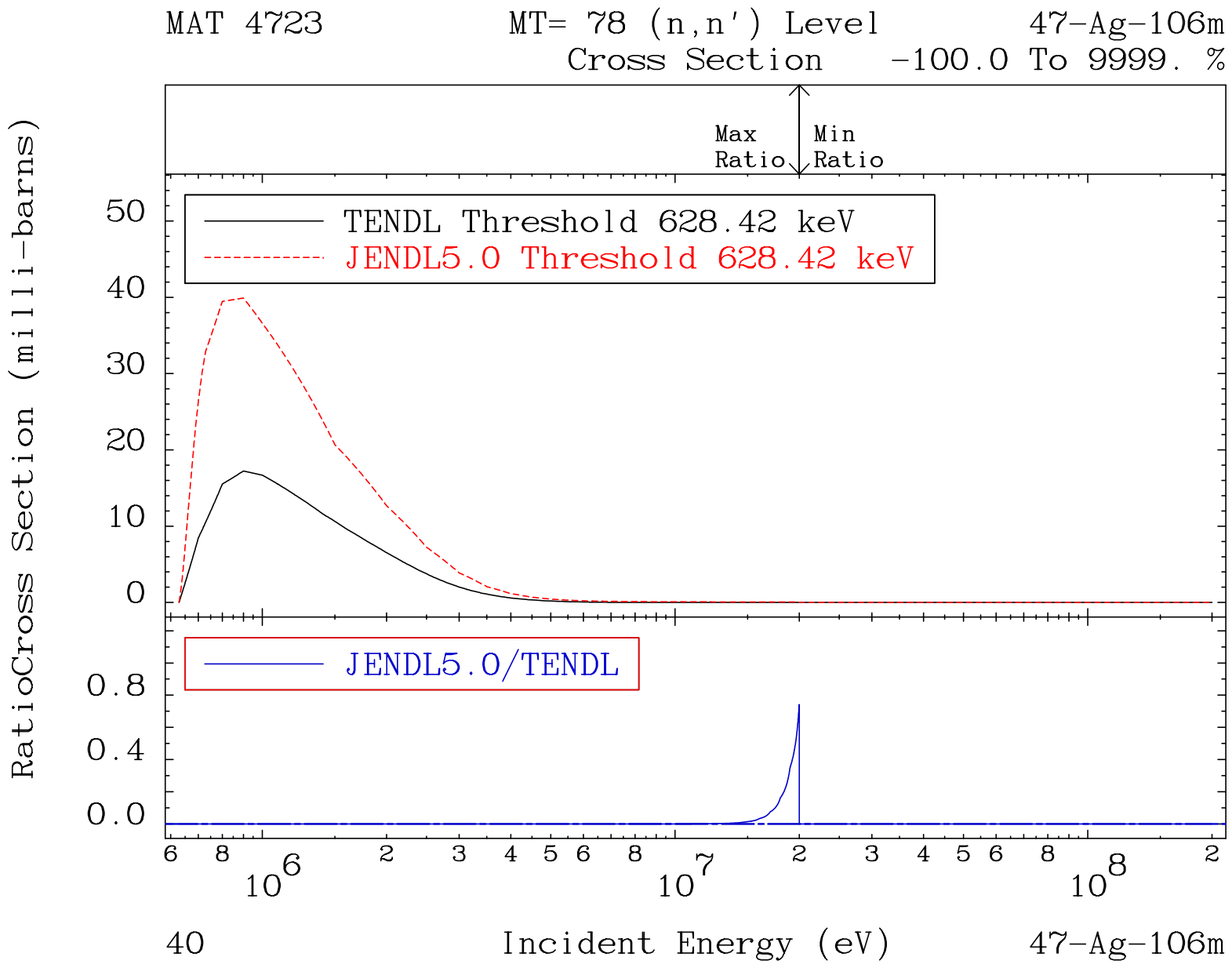

MAT 4723
MT= 73 (n,n') Level
47-Ag-106m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 541.19 keV
JENDL5.0 Threshold 541.19 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
1.2
0.6
0.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
35
Incident Energy (eV)
47-Ag-106m

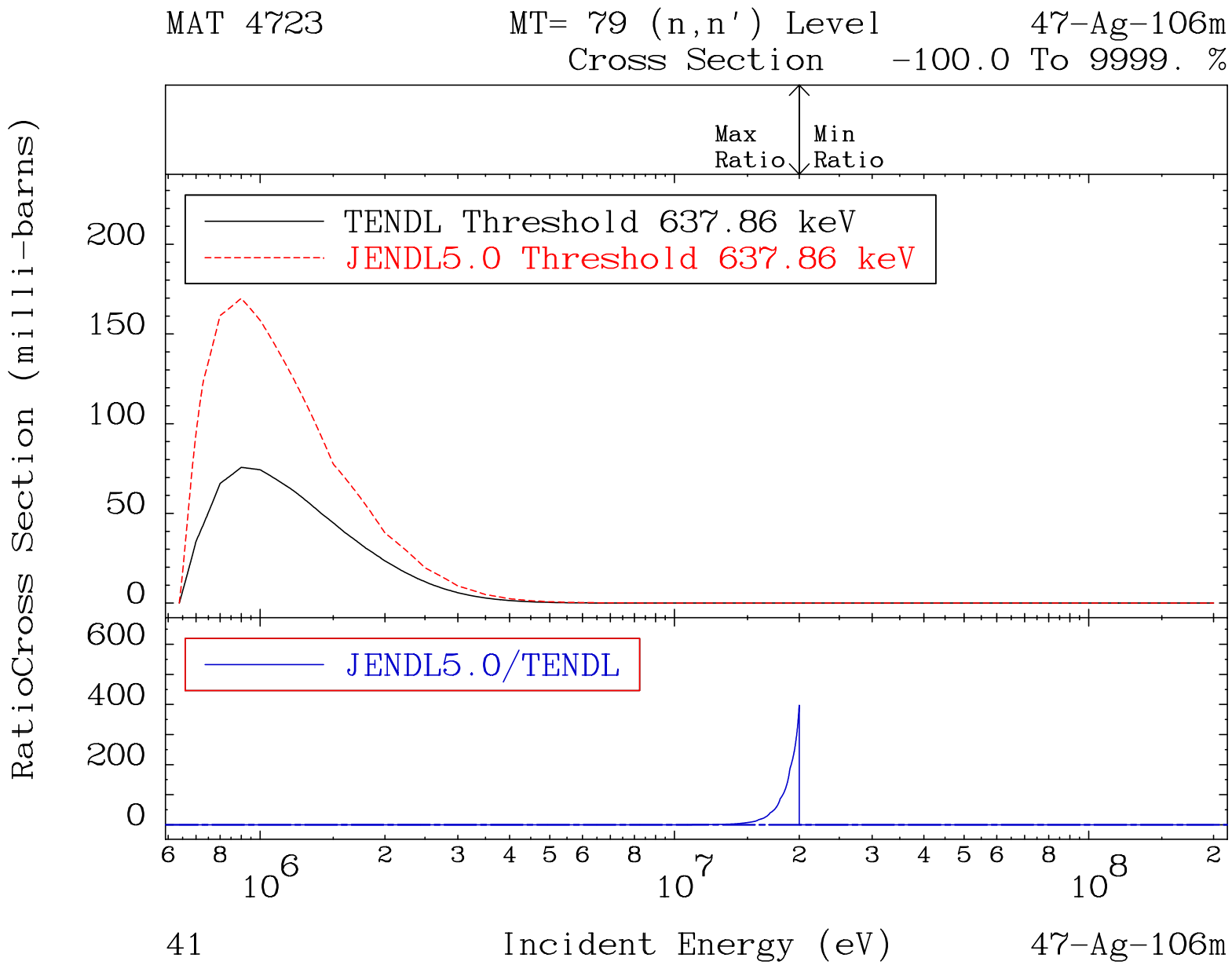

MAT 4723
MT= 74 (n,n') Level
47-Ag-106m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 577.09 keV
JENDL5.0 Threshold 577.09 keV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
600
500
400
300
200
100
0
6
4
2
0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
36
Incident Energy (eV)
47-Ag-106m

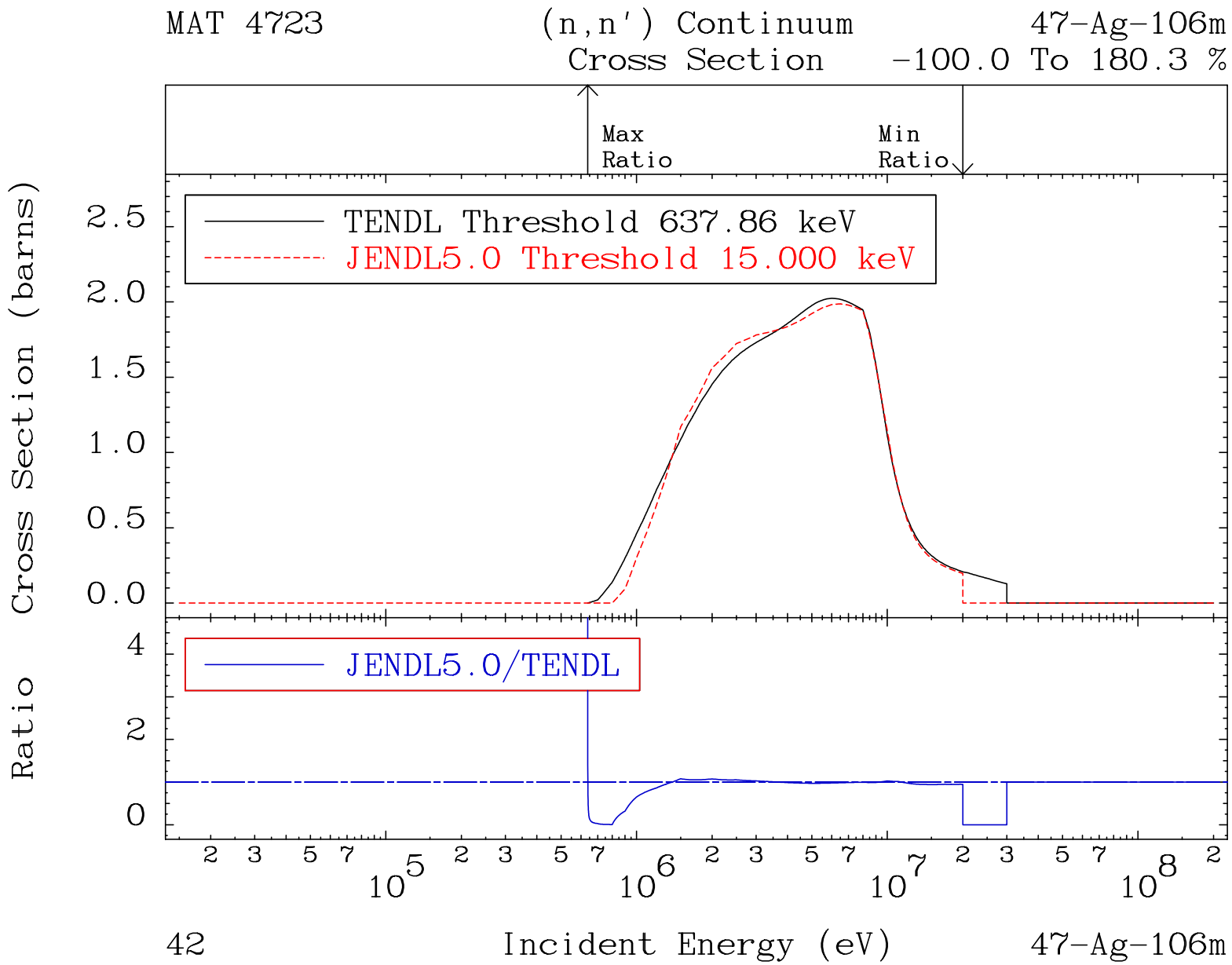

MAT 4723
MT= 75 (n,n') Level
47-Ag-106m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 592.22 keV
JENDL5.0 Threshold 592.22 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
400
0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
37
Incident Energy (eV)
47-Ag-106m

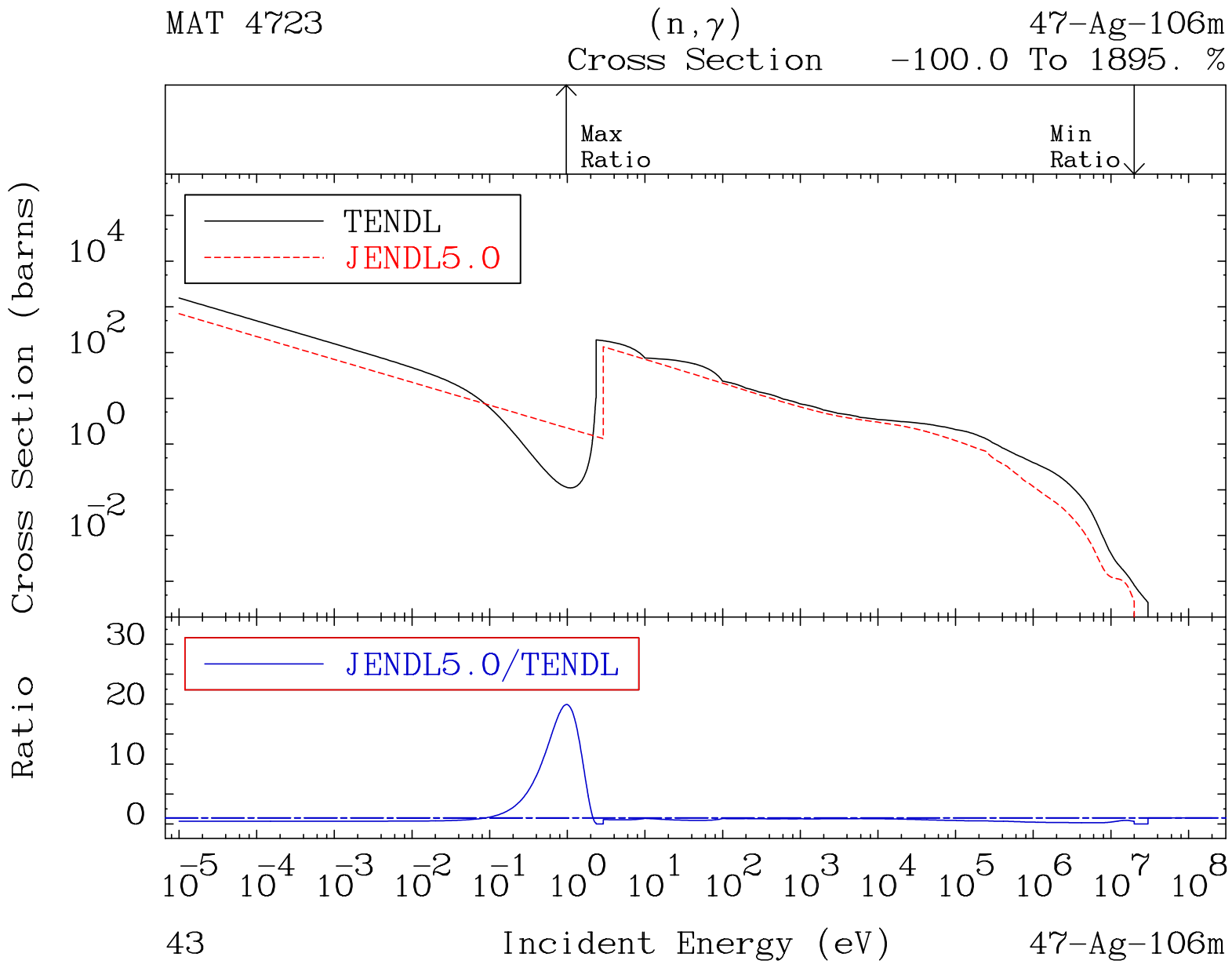

MAT 4723
MT= 76 (n,n') Level
47-Ag-106m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 595.96 keV
JENDL5.0 Threshold 595.96 keV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
500
400
300
200
100
0
3.0
2.0
1.0
0.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
38
Incident Energy (eV)
47-Ag-106m

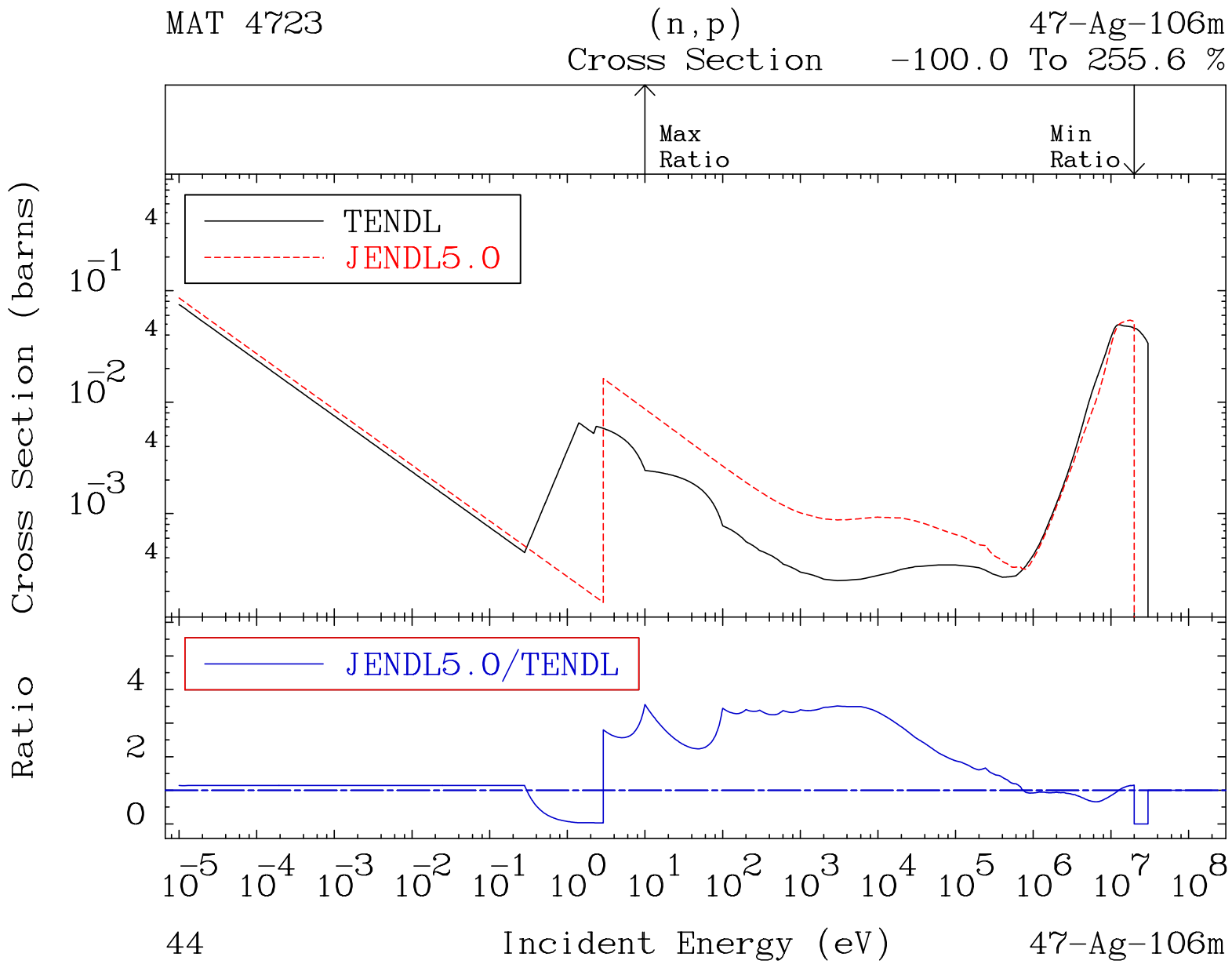

MAT 4723
MT= 77 (n,n') Level
47-Ag-106m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 614.34 keV
JENDL5.0 Threshold 614.34 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
39
47-Ag-106m

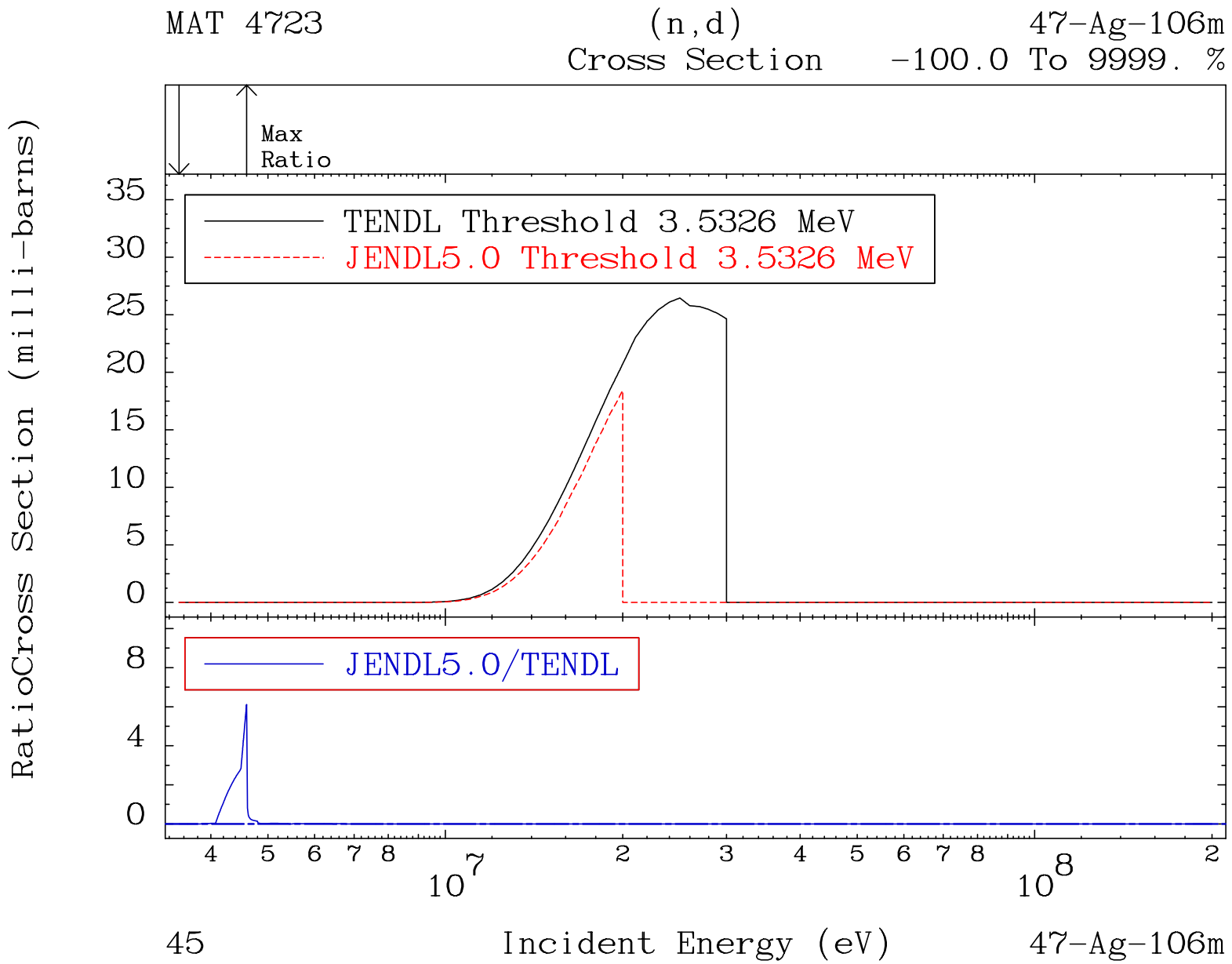

MAT 4723
MT= 78 (n,n') Level
47-Ag-106m
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 628.42 keV
JENDL5.0 Threshold 628.42 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
0.8
0.4
0.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
40
47-Ag-106m

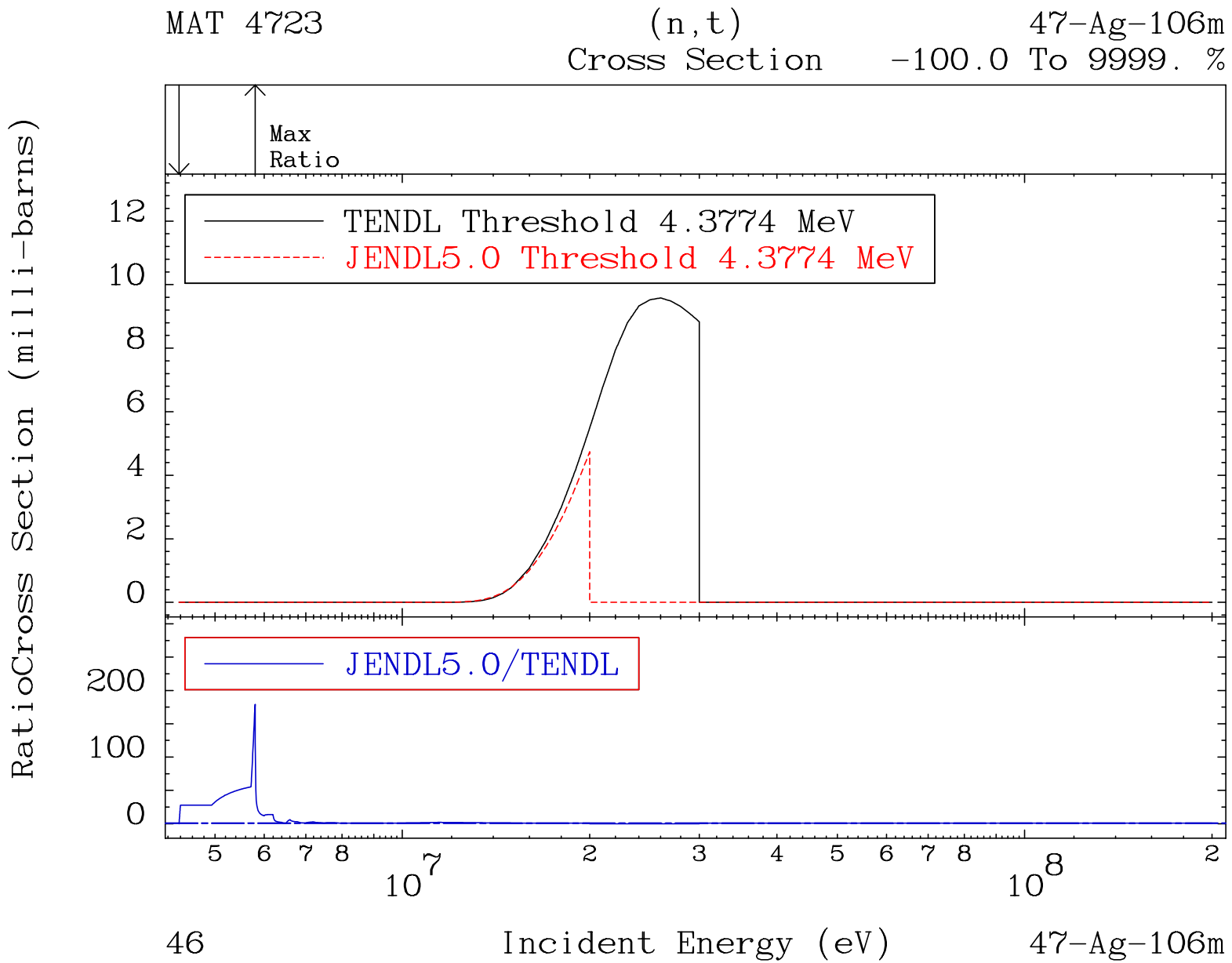

MAT 4723
MT= 79 (n,n') Level
47-Ag-106m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 637.86 keV
JENDL5.0 Threshold 637.86 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
600
400
200
0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
41
Incident Energy (eV)
47-Ag-106m

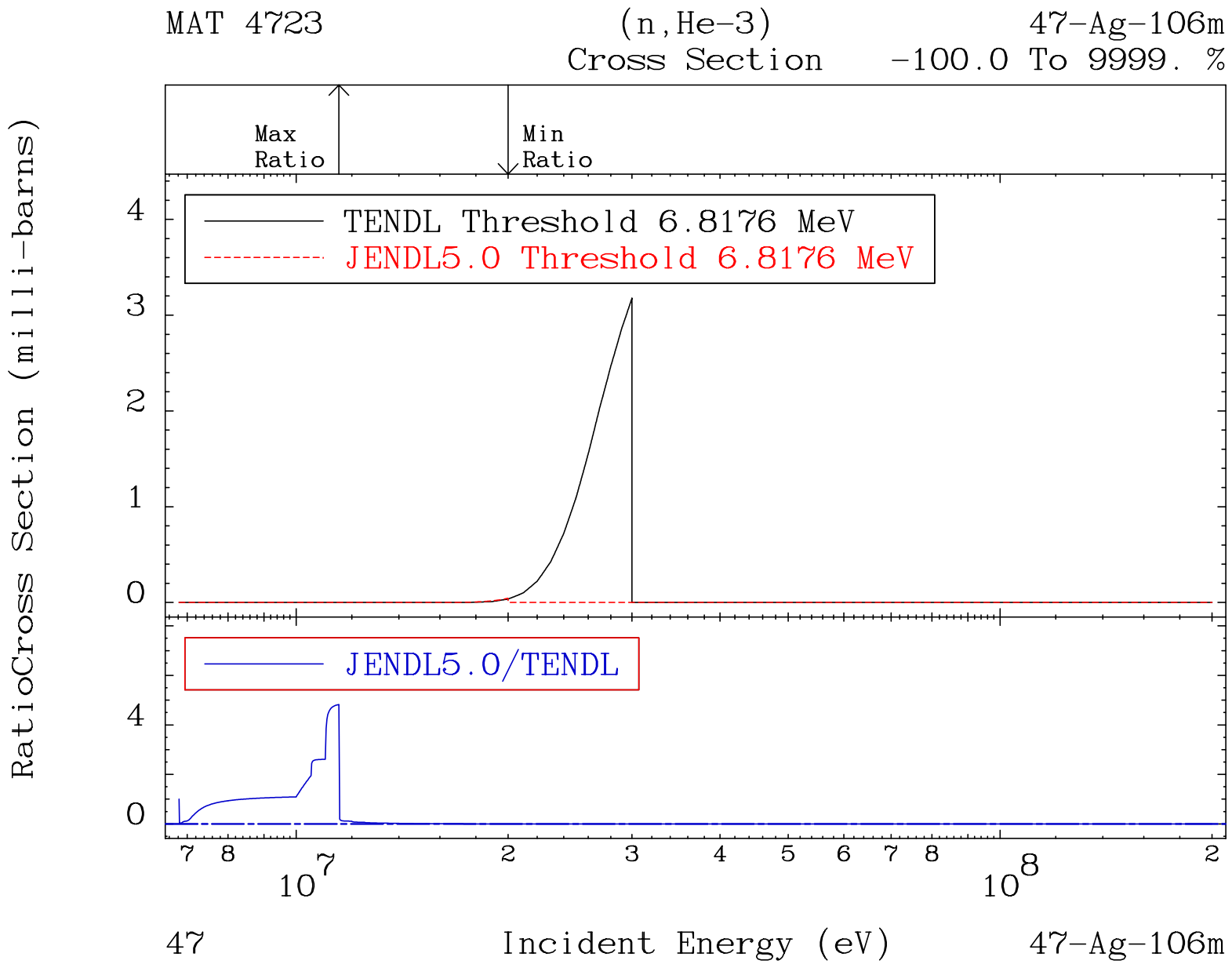

MAT 4723
(n,n') Continuum
Cross Section
47-Ag-106m
-100.0 To 180.3 %
Max
Ratio
Min
Ratio
TENDL Threshold 637.86 keV
JENDL5.0 Threshold 15.000 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
42
47-Ag-106m

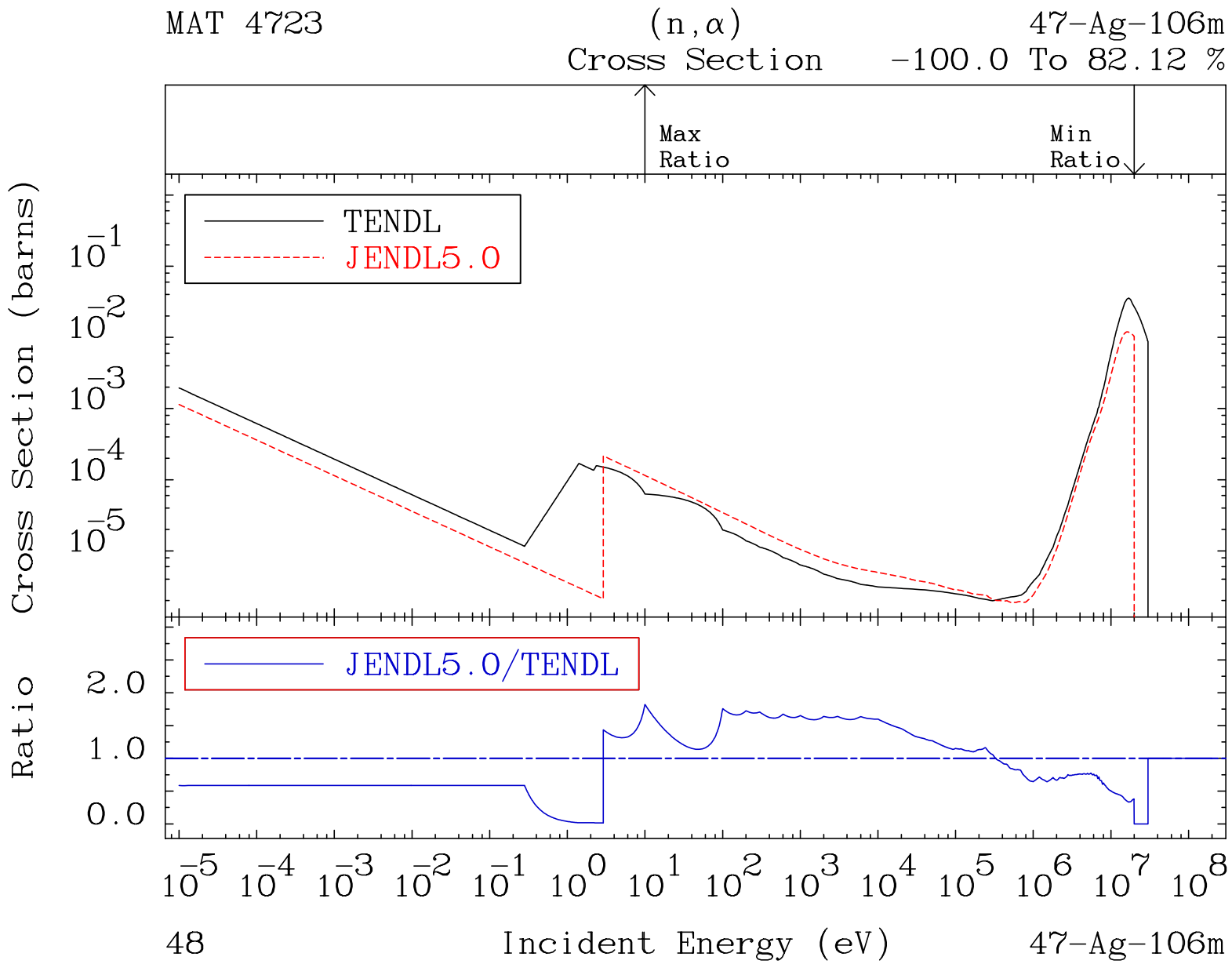

MAT 4723
(n,γ)
Cross Section
47-Ag-106m
-100.0 To 1895. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
43
47-Ag-106m

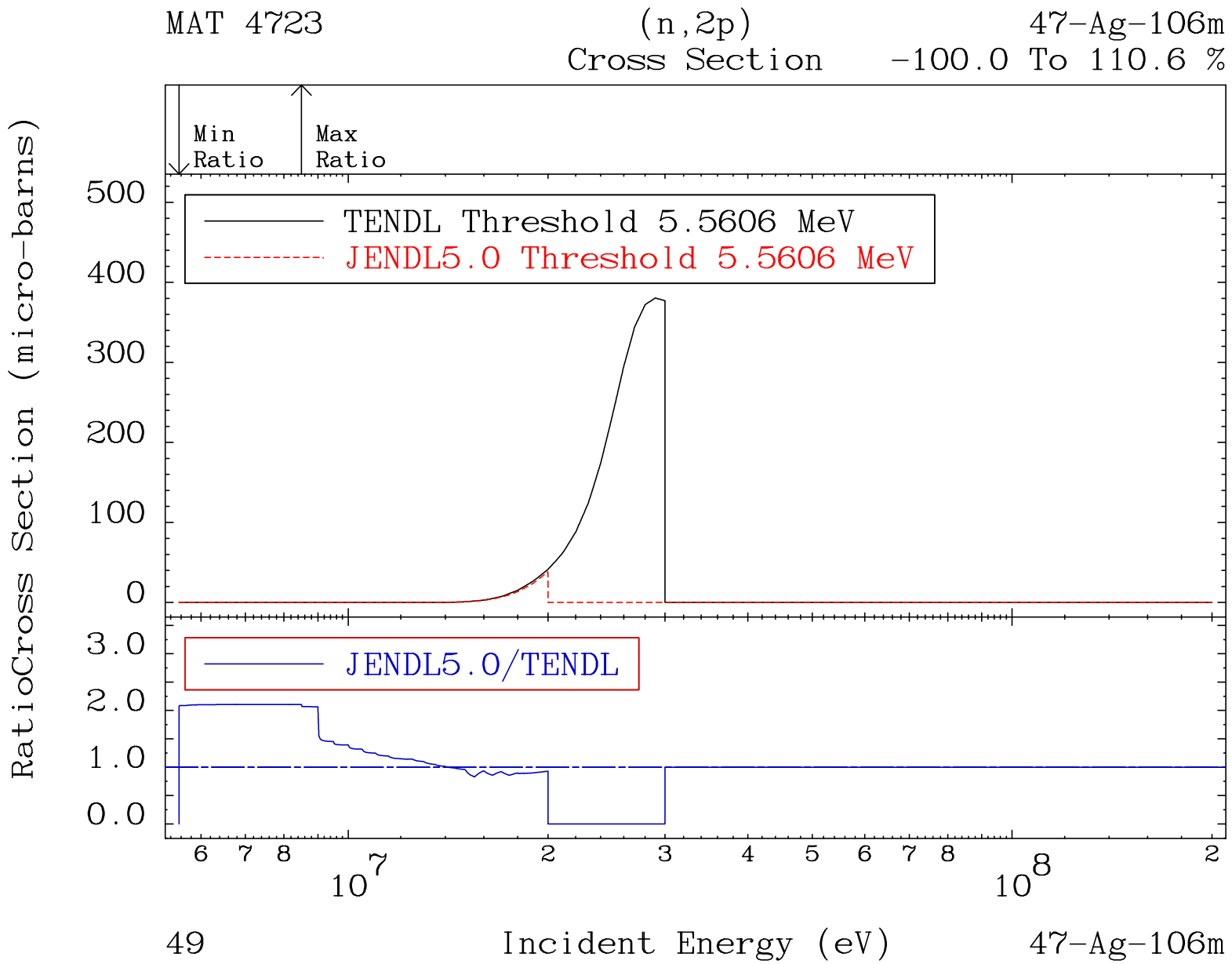

MAT 4723
(n,p)
Cross Section
47-Ag-106m
-100.0 To 255.6 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
44
47-Ag-106m

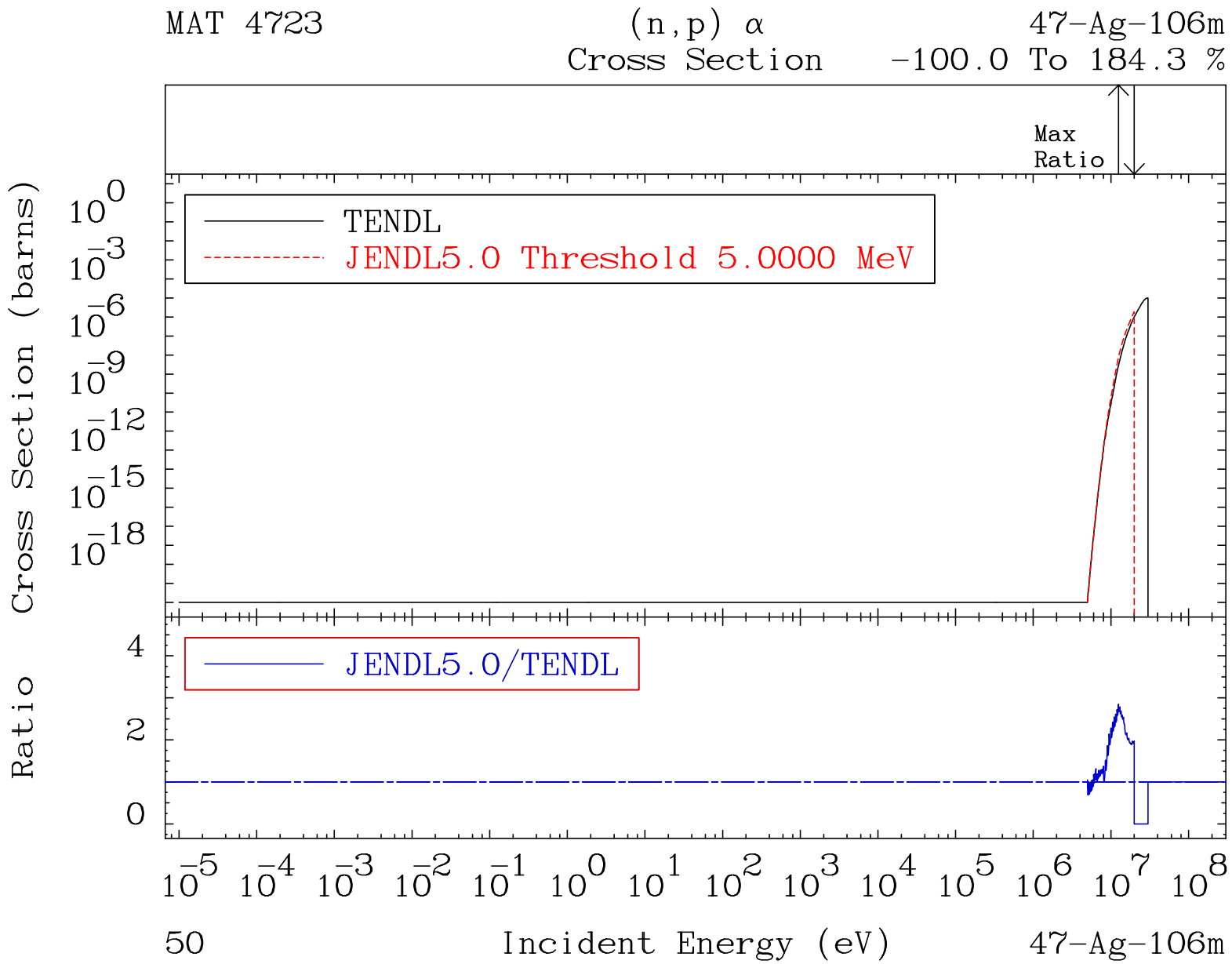

MAT 4723
(n,d)
47-Ag-106m
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 3.5326 MeV
JENDL5.0 Threshold 3.5326 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
8
4
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
45
Incident Energy (eV)
47-Ag-106m

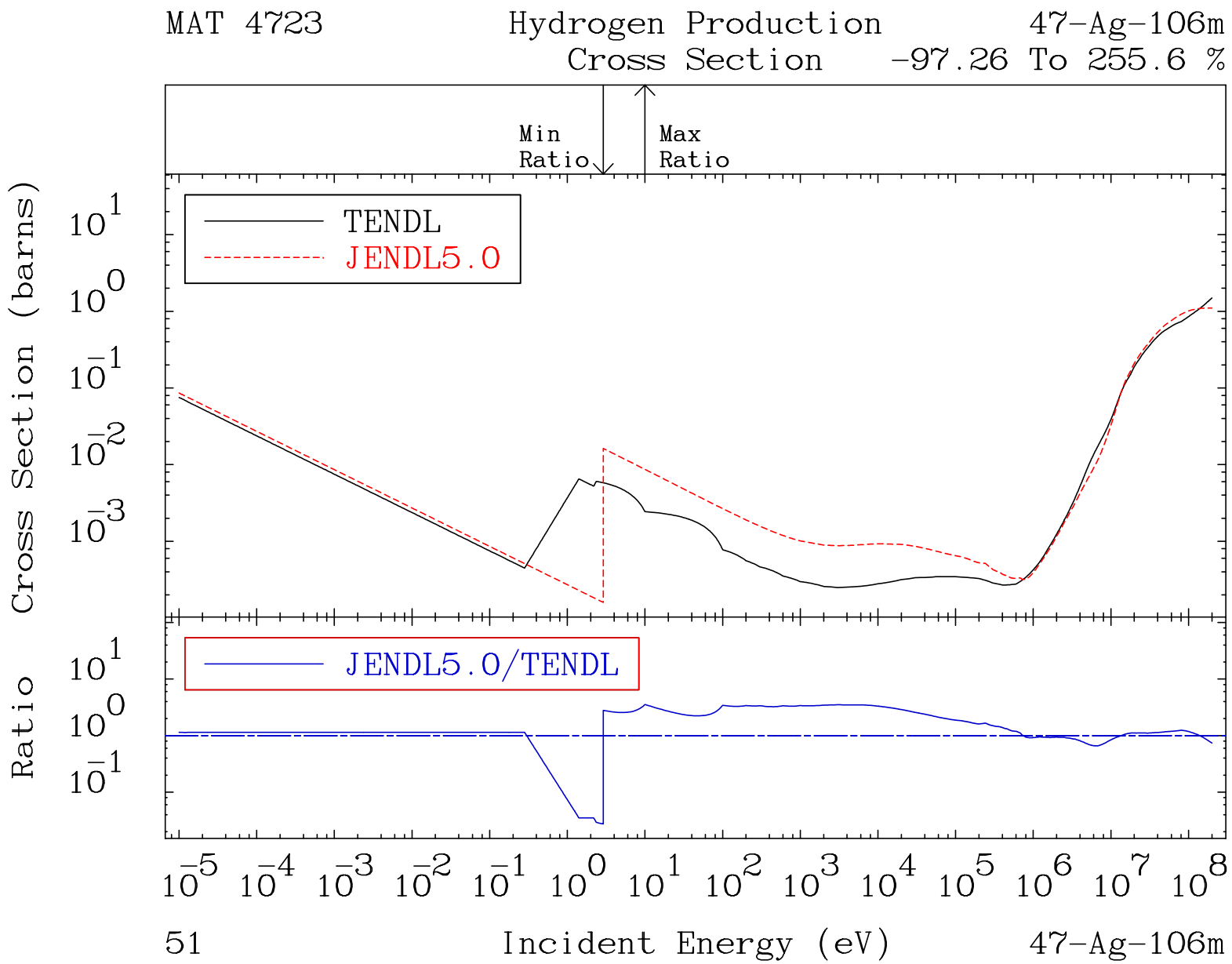

MAT 4723
(n,t)
Cross Section
47-Ag-106m
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 4.3774 MeV
JENDL5.0 Threshold 4.3774 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
200
100
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
46
Incident Energy (eV)
47-Ag-106m

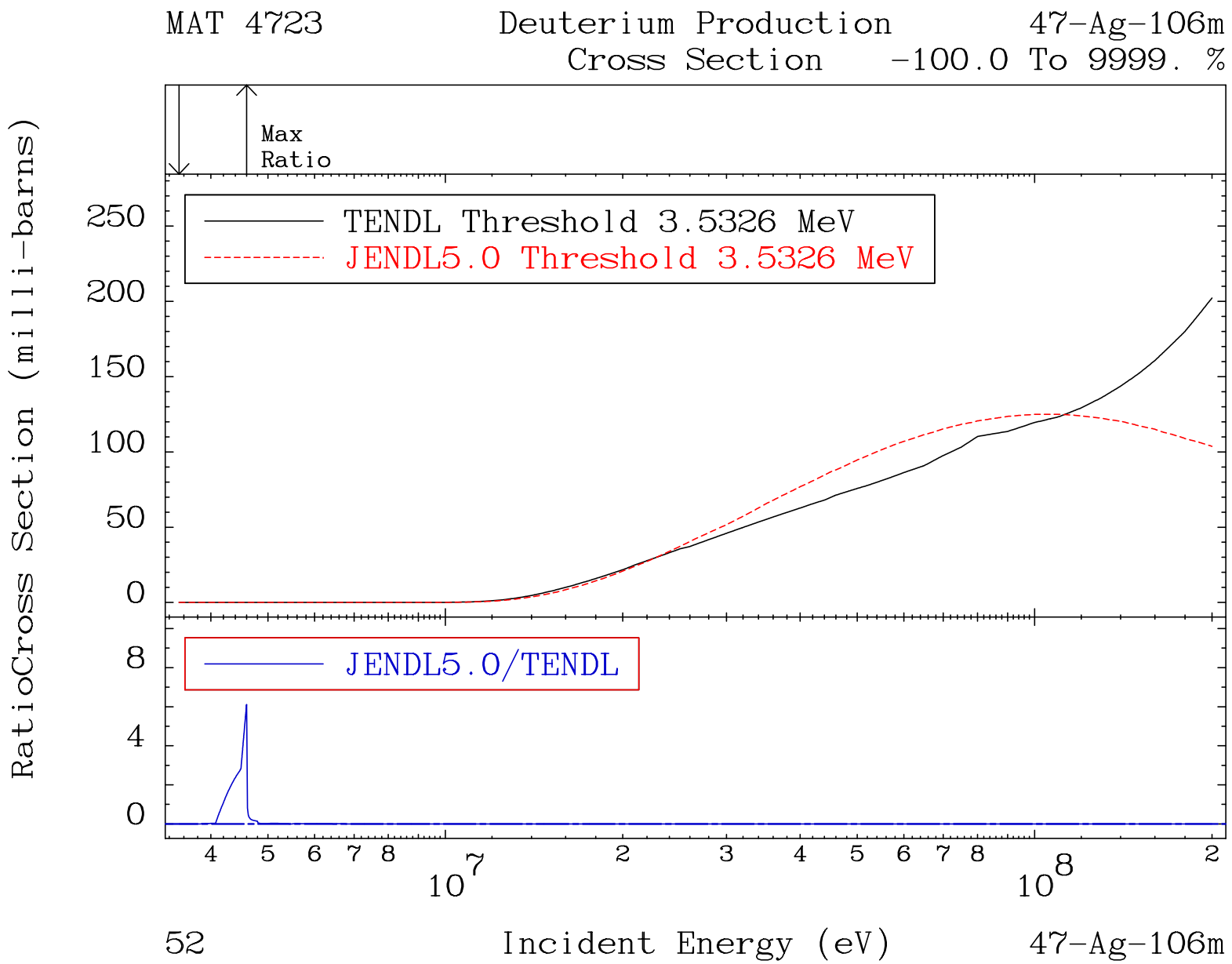

MAT 4723
(n,He-3)
Cross Section
47-Ag-106m
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.8176 MeV
JENDL5.0 Threshold 6.8176 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
47
47-Ag-106m

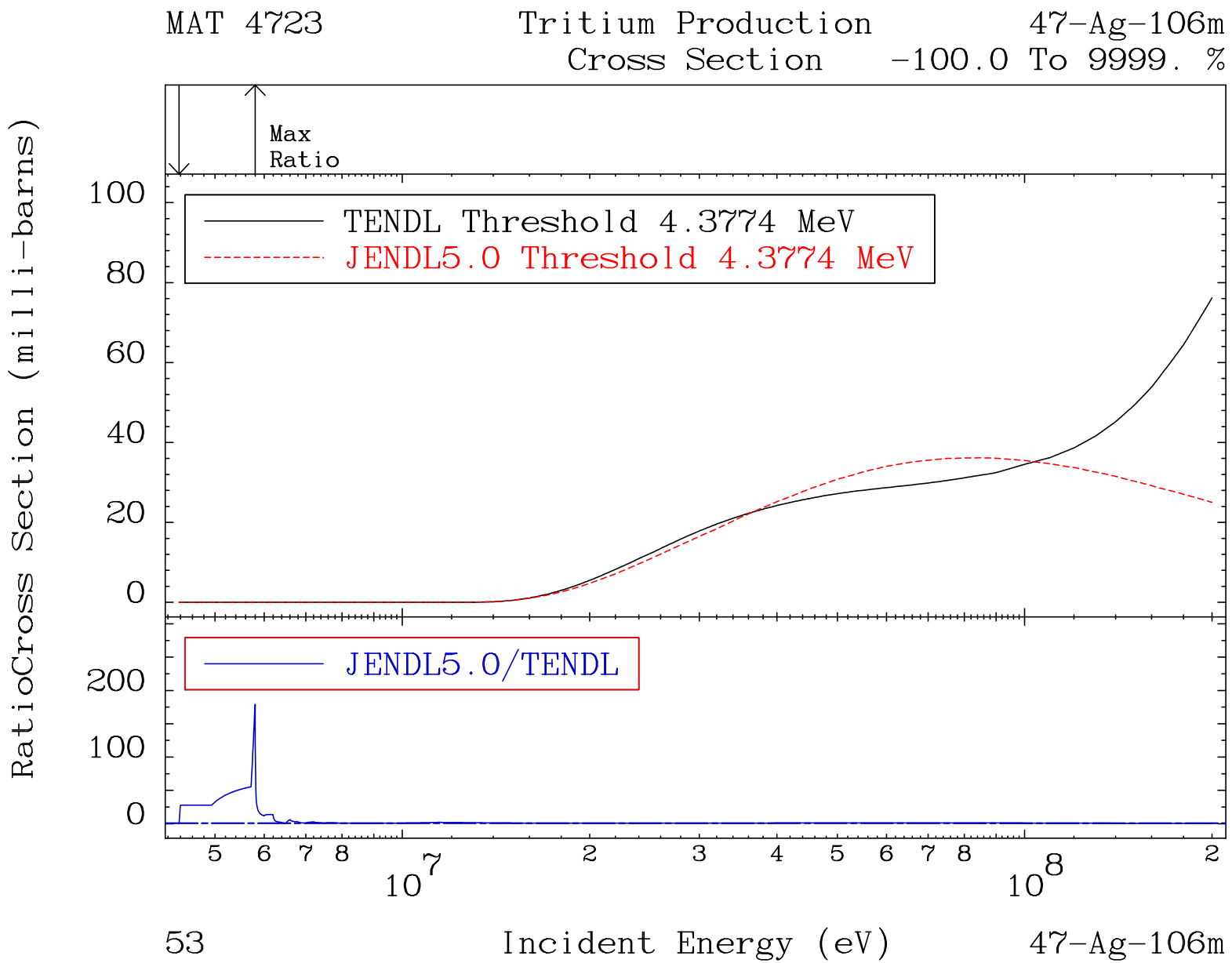

MAT 4723
(n,α)
Cross Section
47-Ag-106m
-100.0 To 82.12 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
48
47-Ag-106m

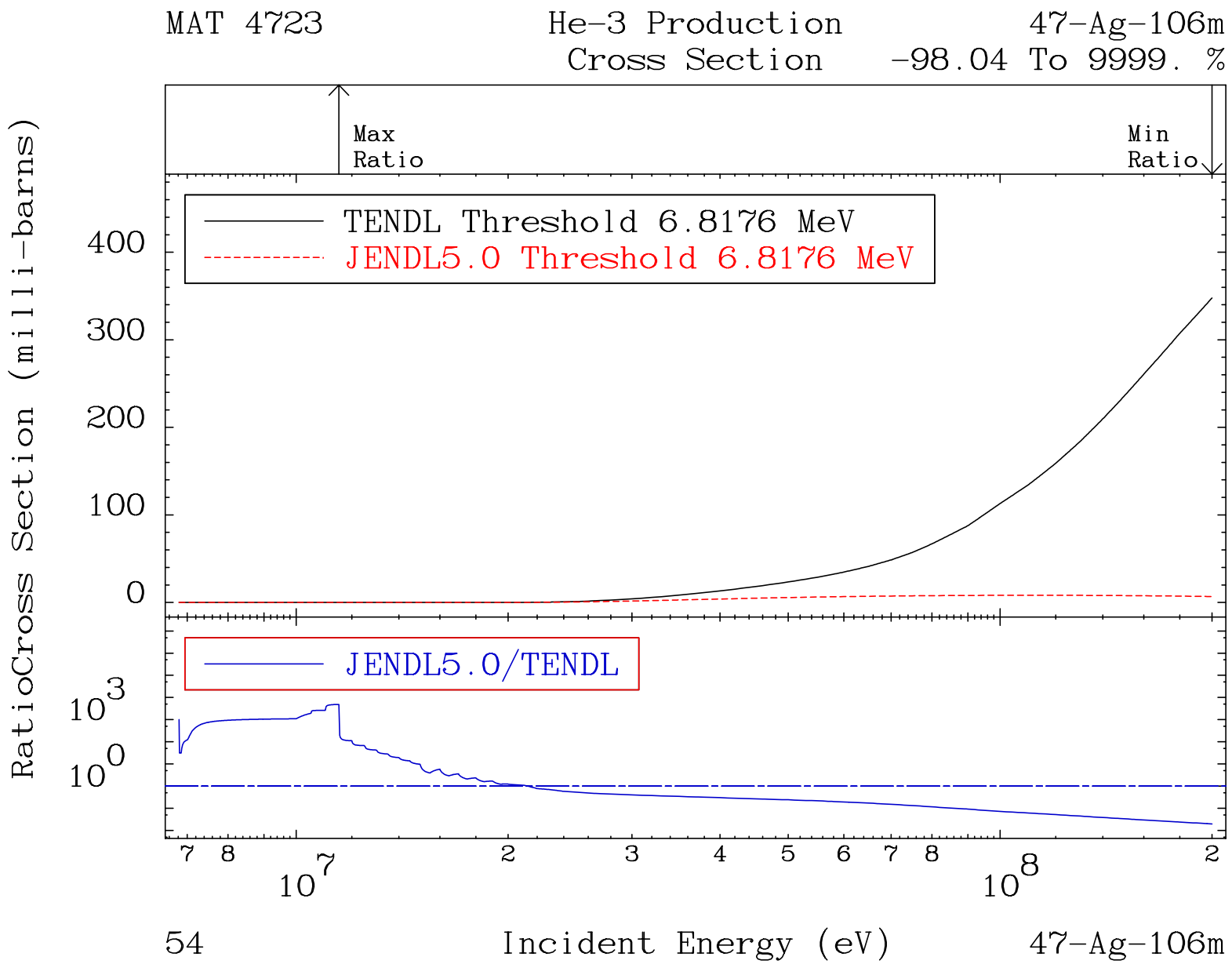

MAT 4723
(n,2p)
Cross Section
47-Ag-106m
-100.0 To 110.6 %
Min Ratio
Max Ratio
TENDL Threshold 5.5606 MeV
JENDL5.0 Threshold 5.5606 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
500
400
300
200
100
0
3.0
2.0
1.0
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
49
Incident Energy (eV)
47-Ag-106m

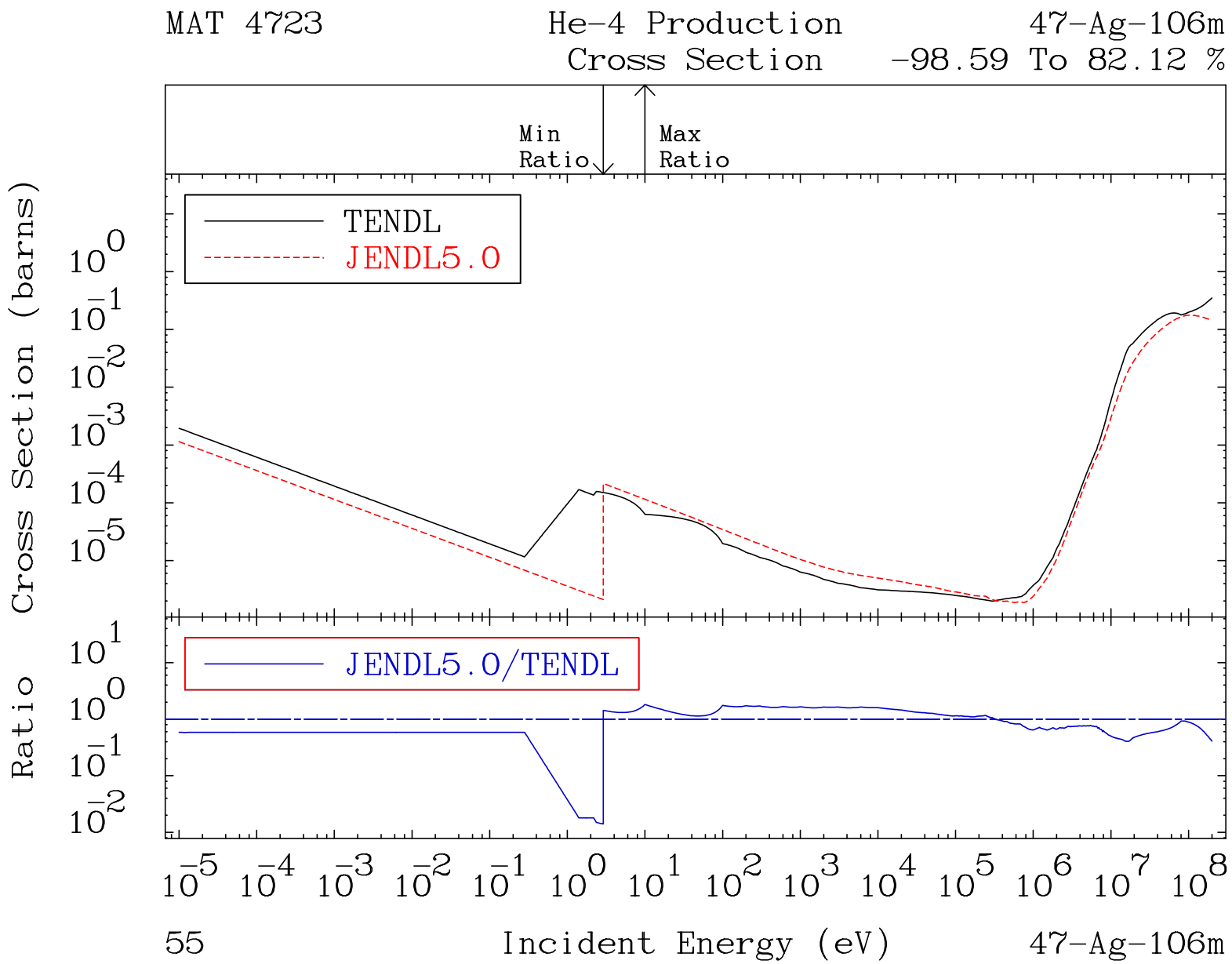

MAT 4723
(n,p) α
Cross Section
47-Ag-106m
-100.0 To 184.3 %
Max
Ratio
TENDL
JENDL5.0 Threshold 5.0000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
50
47-Ag-106m

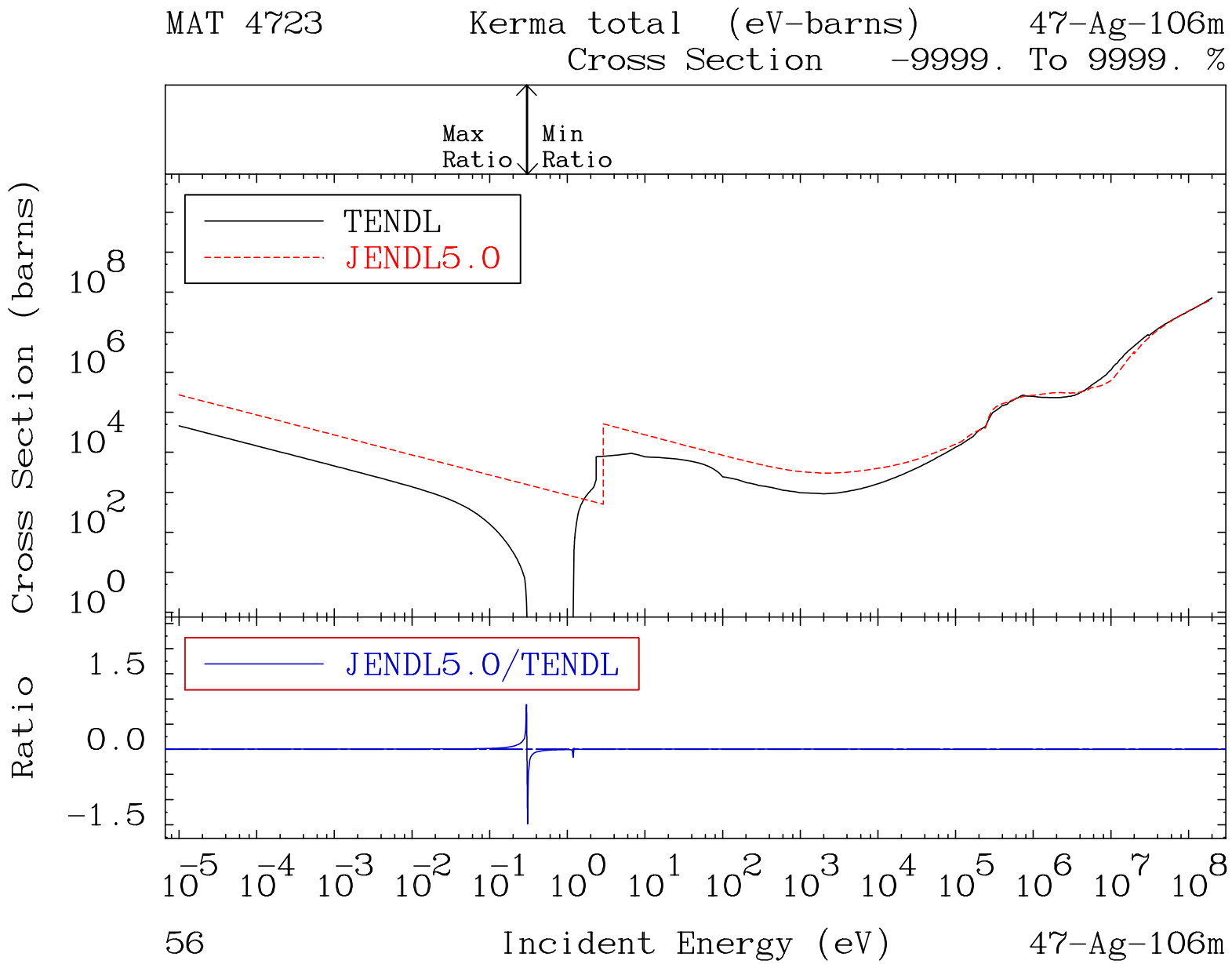

MAT 4723
Hydrogen Production
47-Ag-106m
Cross Section
-97.26 To 255.6 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
51
47-Ag-106m

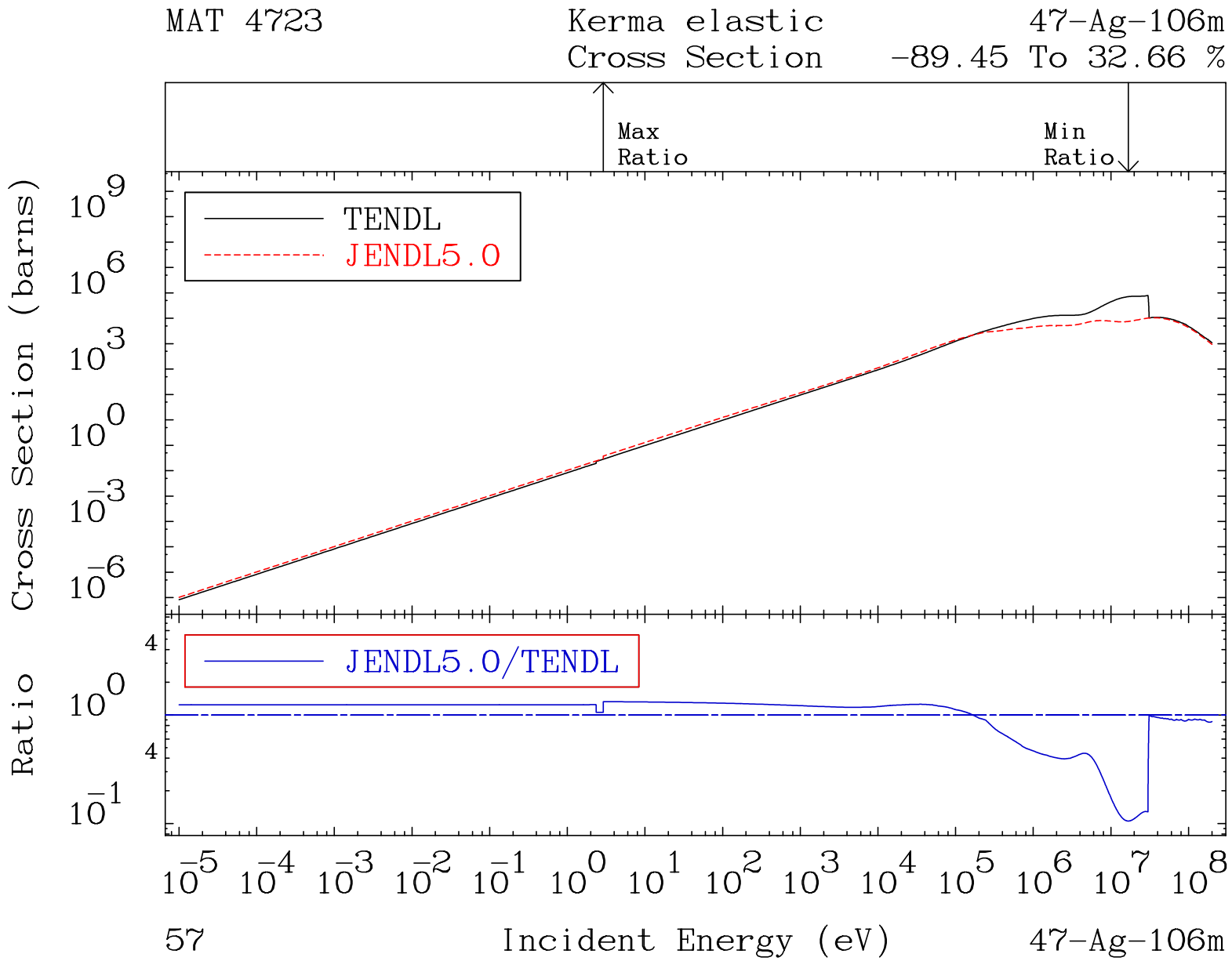

MAT 4723
Deuterium Production
47-Ag-106m
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL Threshold 3.5326 MeV
JENDL5.0 Threshold 3.5326 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
8
4
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
52
Incident Energy (eV)
47-Ag-106m

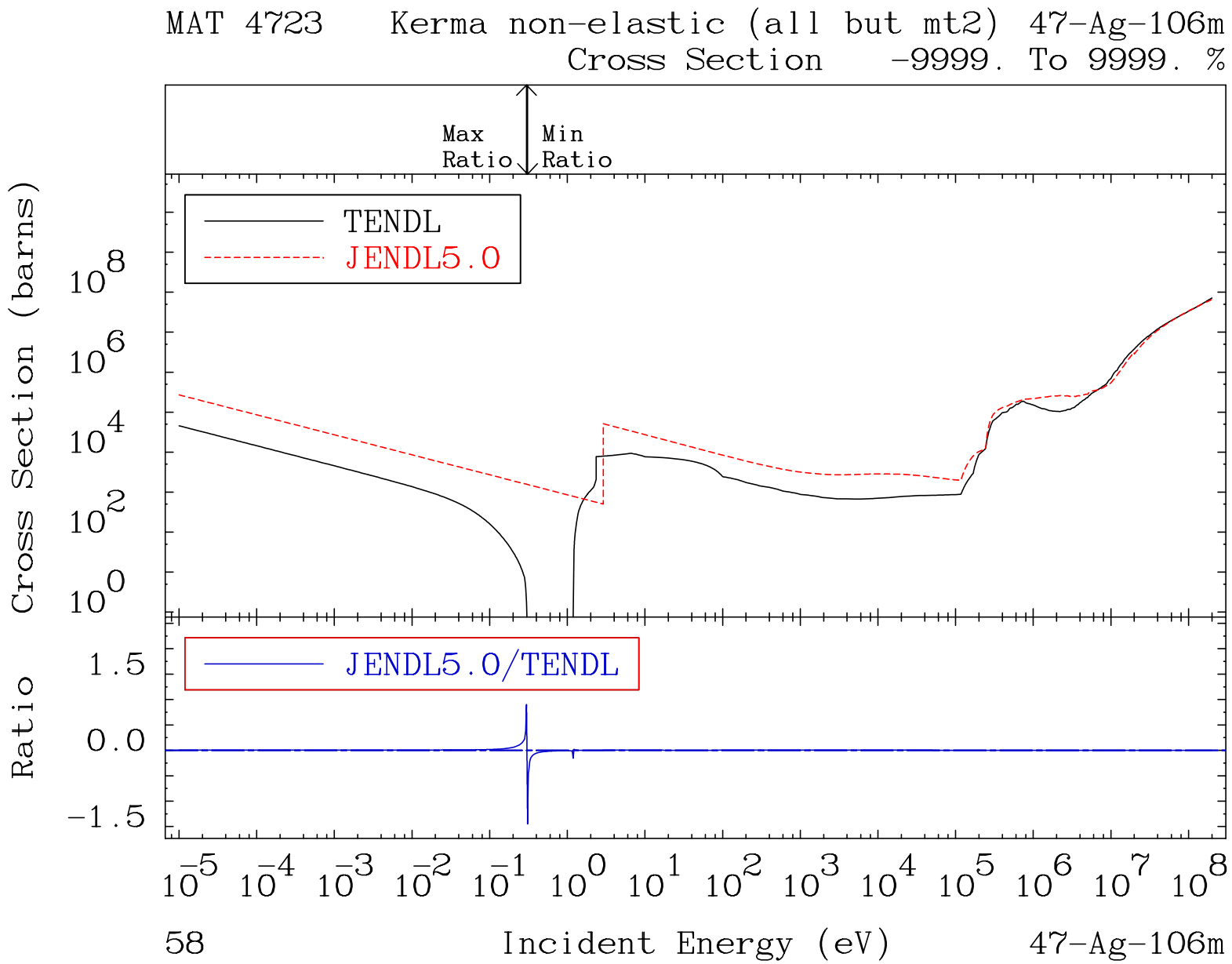

MAT 4723
Tritium Production
47-Ag-106m
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 4.3774 MeV
JENDL5.0 Threshold 4.3774 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
200
100
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
53
Incident Energy (eV)
47-Ag-106m

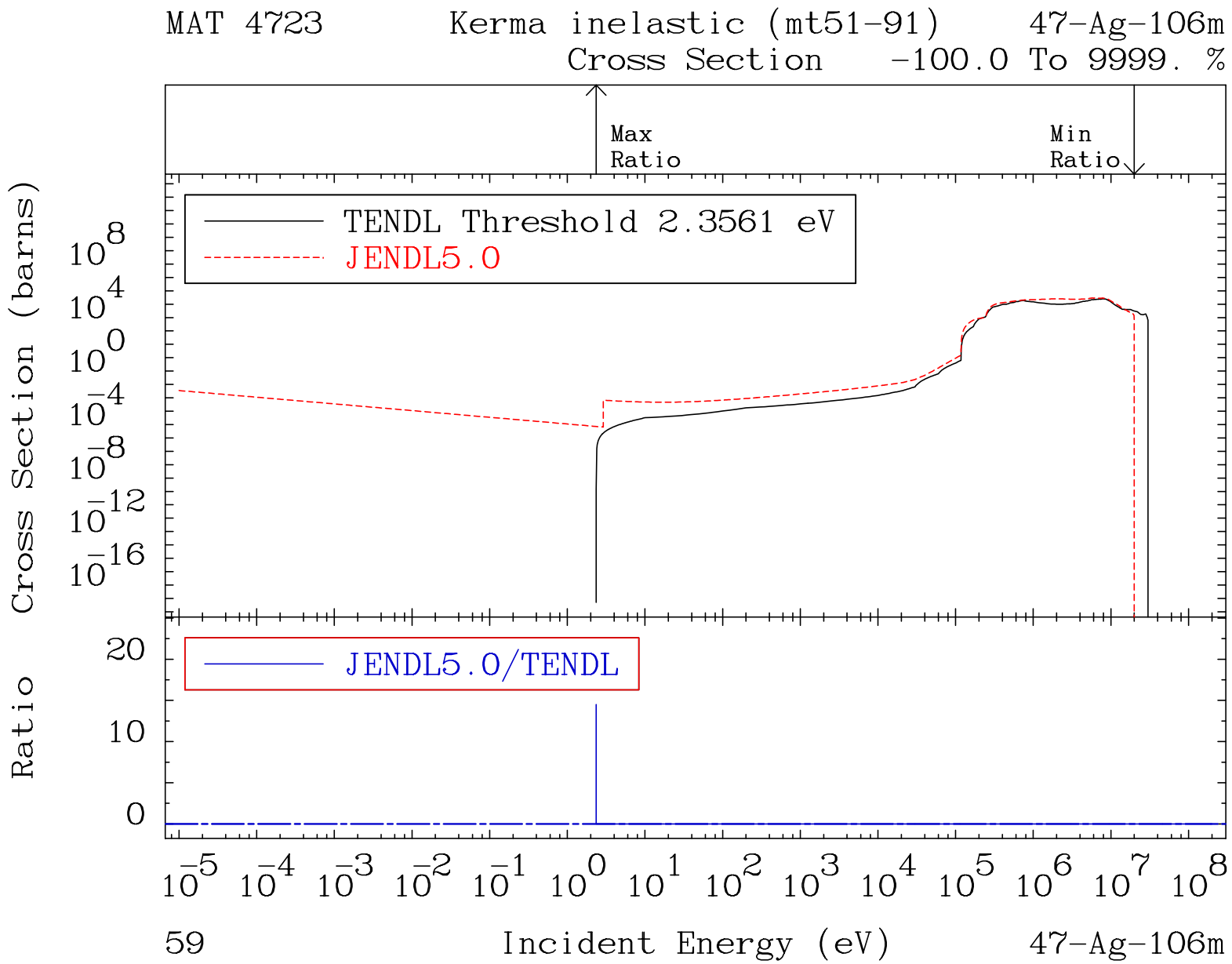

MAT 4723
He-3 Production
Cross Section
47-Ag-106m
-98.04 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.8176 MeV
JENDL5.0 Threshold 6.8176 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
10^3
10^0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
54
Incident Energy (eV)
47-Ag-106m

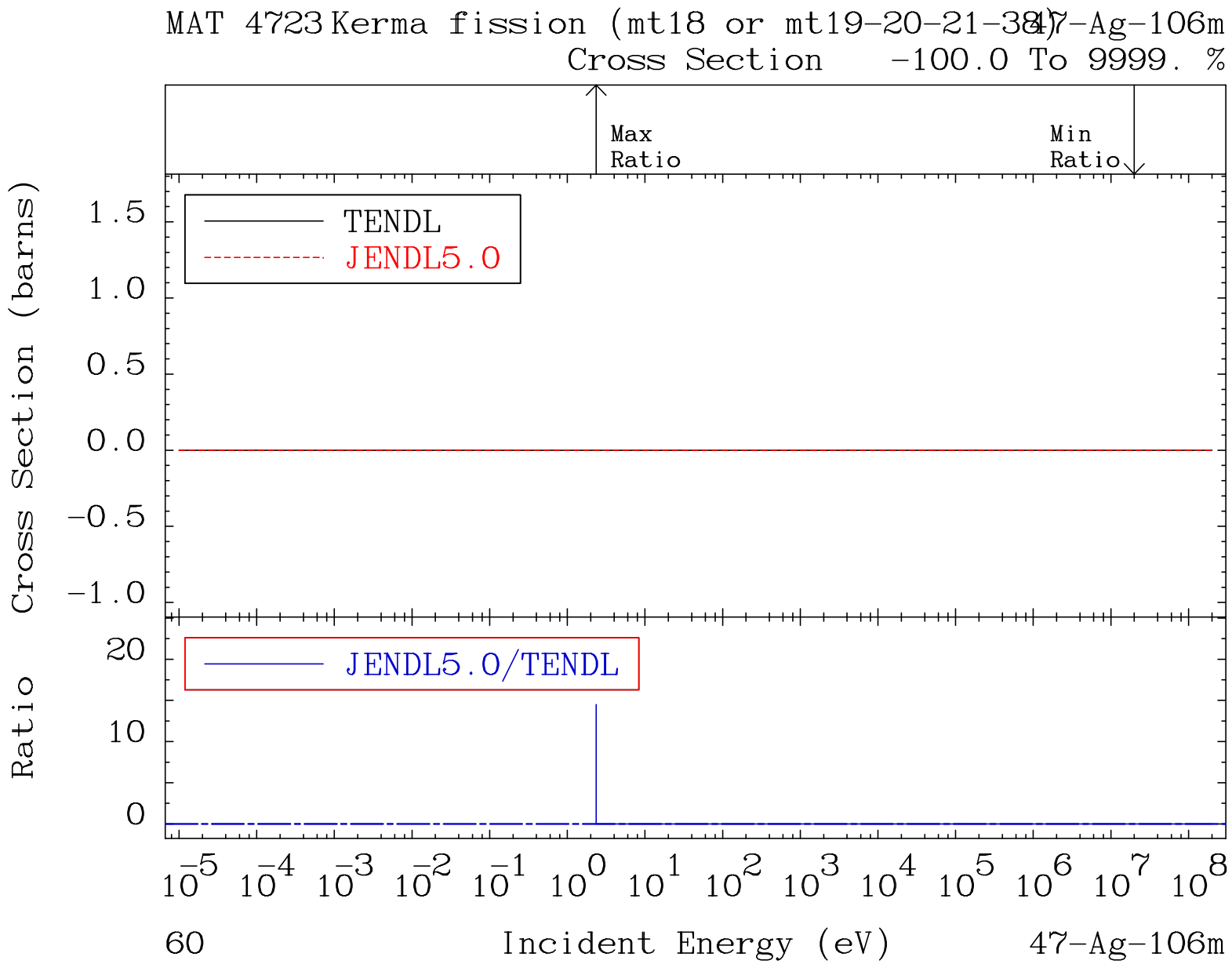

MAT 4723
He-4 Production
Cross Section
47-Ag-106m
-98.59 To 82.12 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
55
47-Ag-106m

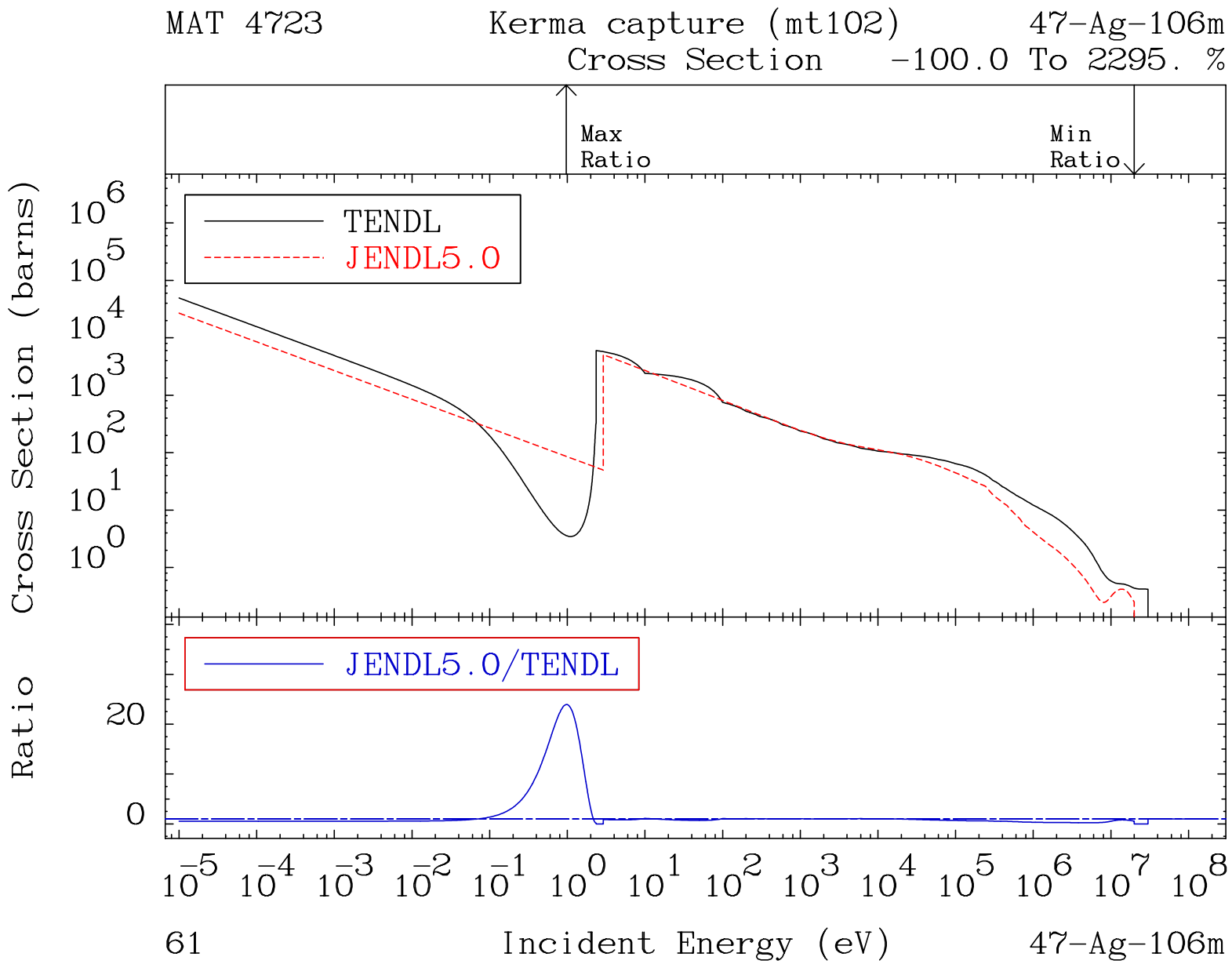

MAT 4723
Kerma total (eV-barns)
47-Ag-106m
Cross Section -9999. To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
56
47-Ag-106m

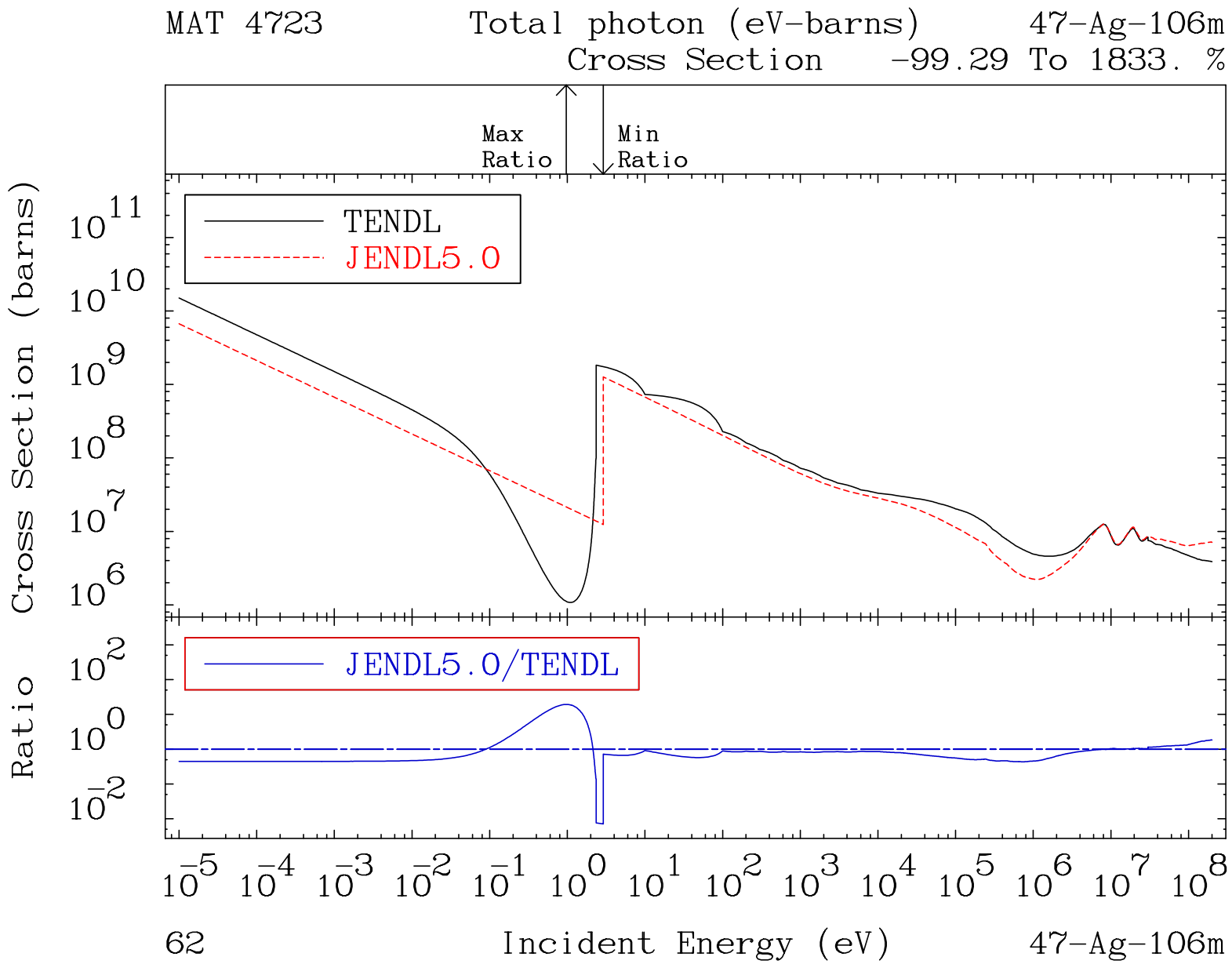

MAT 4723
Kerma elastic
Cross Section
47-Ag-106m
-89.45 To 32.66 %
Max
Ratio
Min
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
57
47-Ag-106m

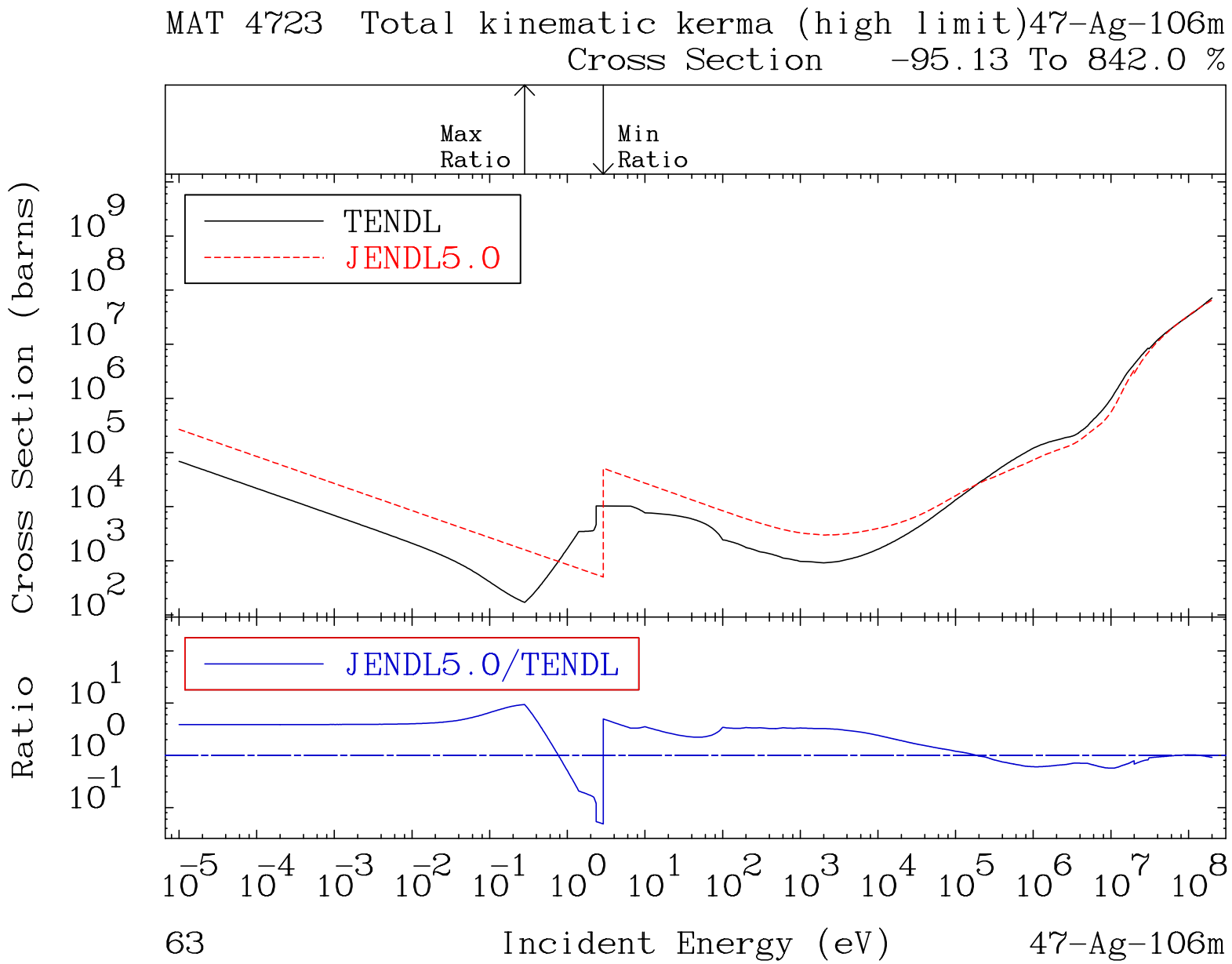

MAT 4723 Kerma non-elastic (all but mt2) 47-Ag-106m
Cross Section -9999. To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^8
10^6
10^4
10^2
10^0
JENDL5.0/TENDL
Ratio
1.5
0.0
-1.5
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
58
Incident Energy (eV)
47-Ag-106m

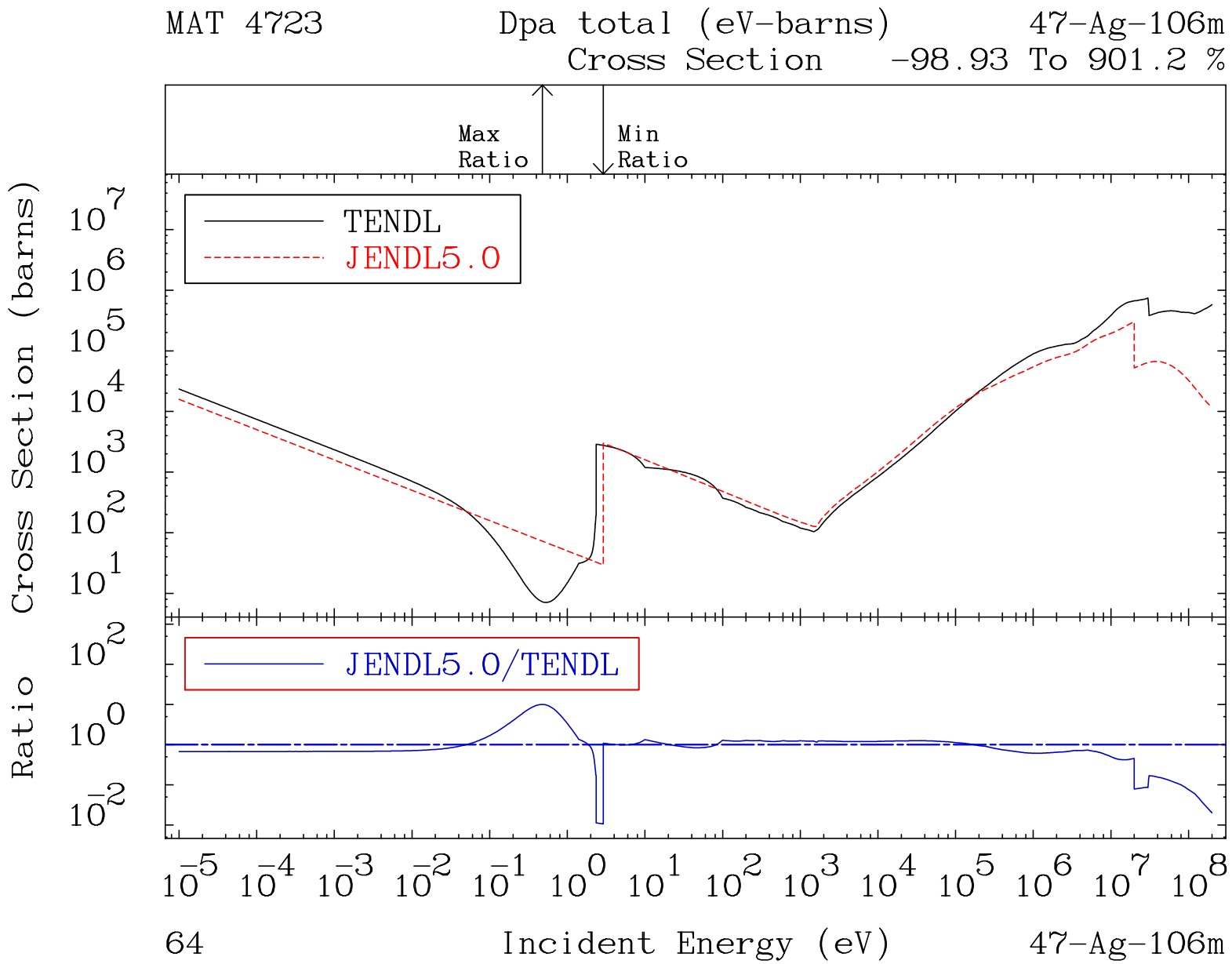

MAT 4723
Kerma inelastic (mt51-91)
47-Ag-106m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.3561 eV
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
47-Ag-106m

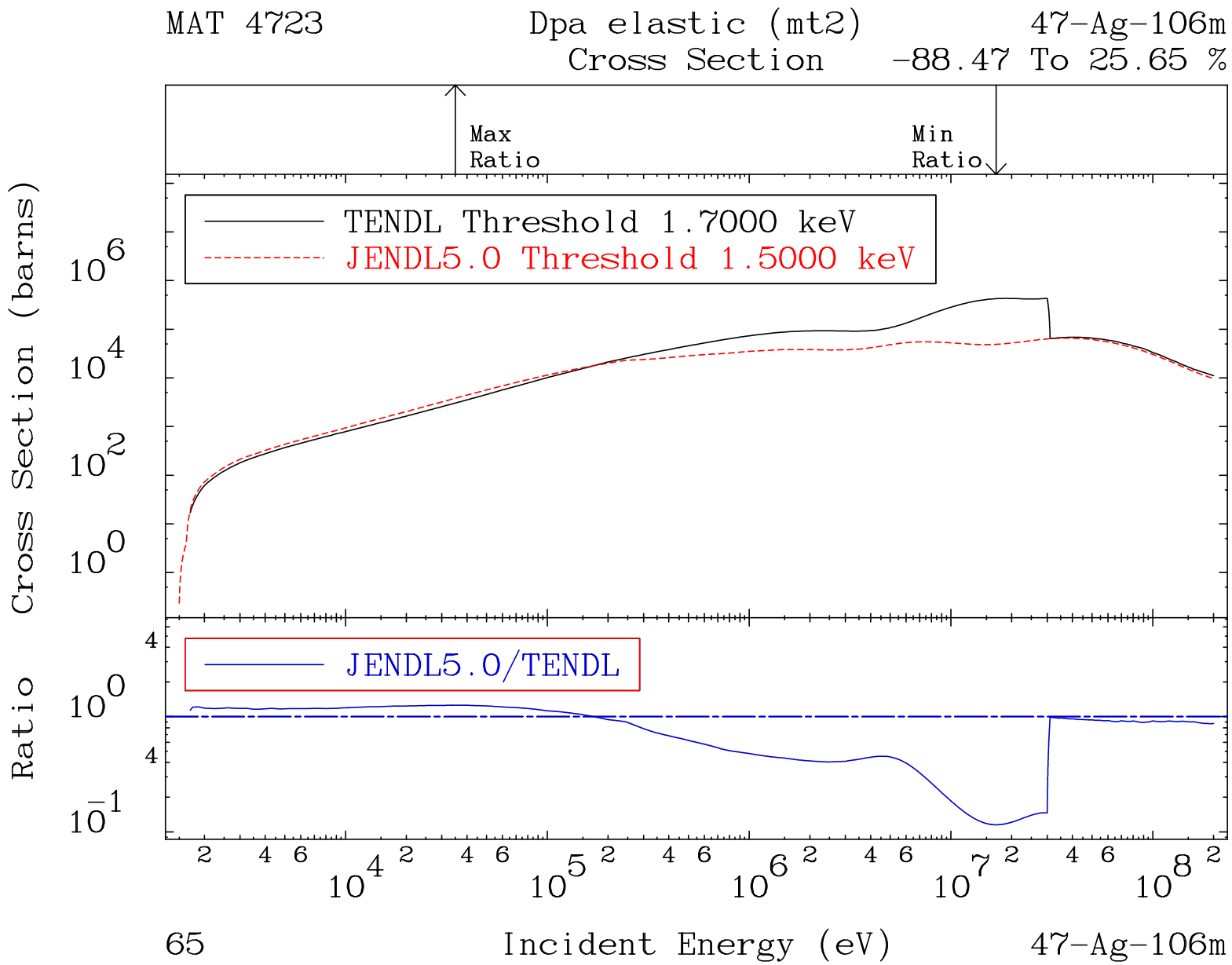

MAT 4723 Kerma fission (mt18 or mt19-20-21-38)
47-Ag-106m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
20
10
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
Incident Energy (eV)
47-Ag-106m

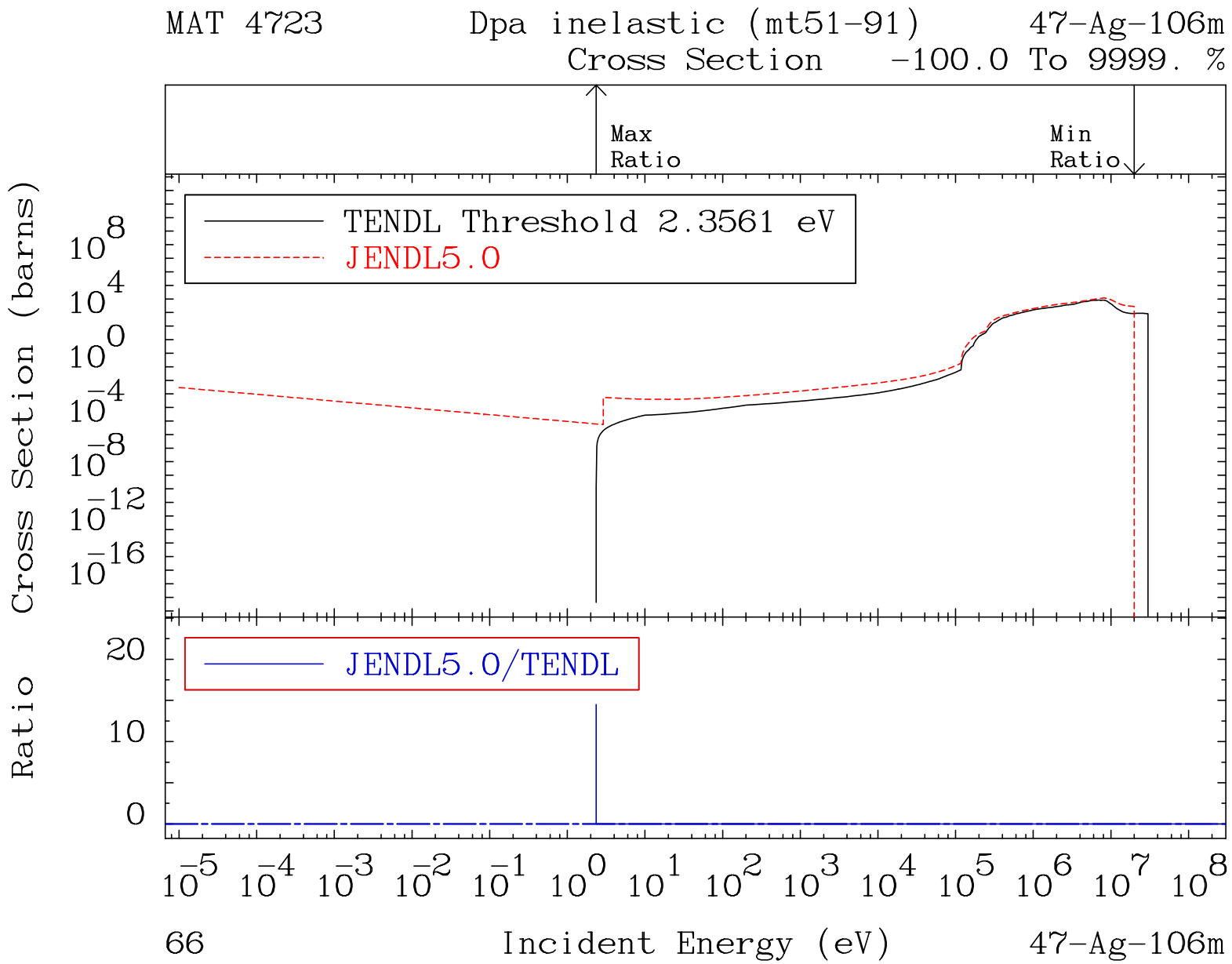

MAT 4723
Kerma capture (mt102)
47-Ag-106m
Cross Section -100.0 To 2295. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
61
47-Ag-106m

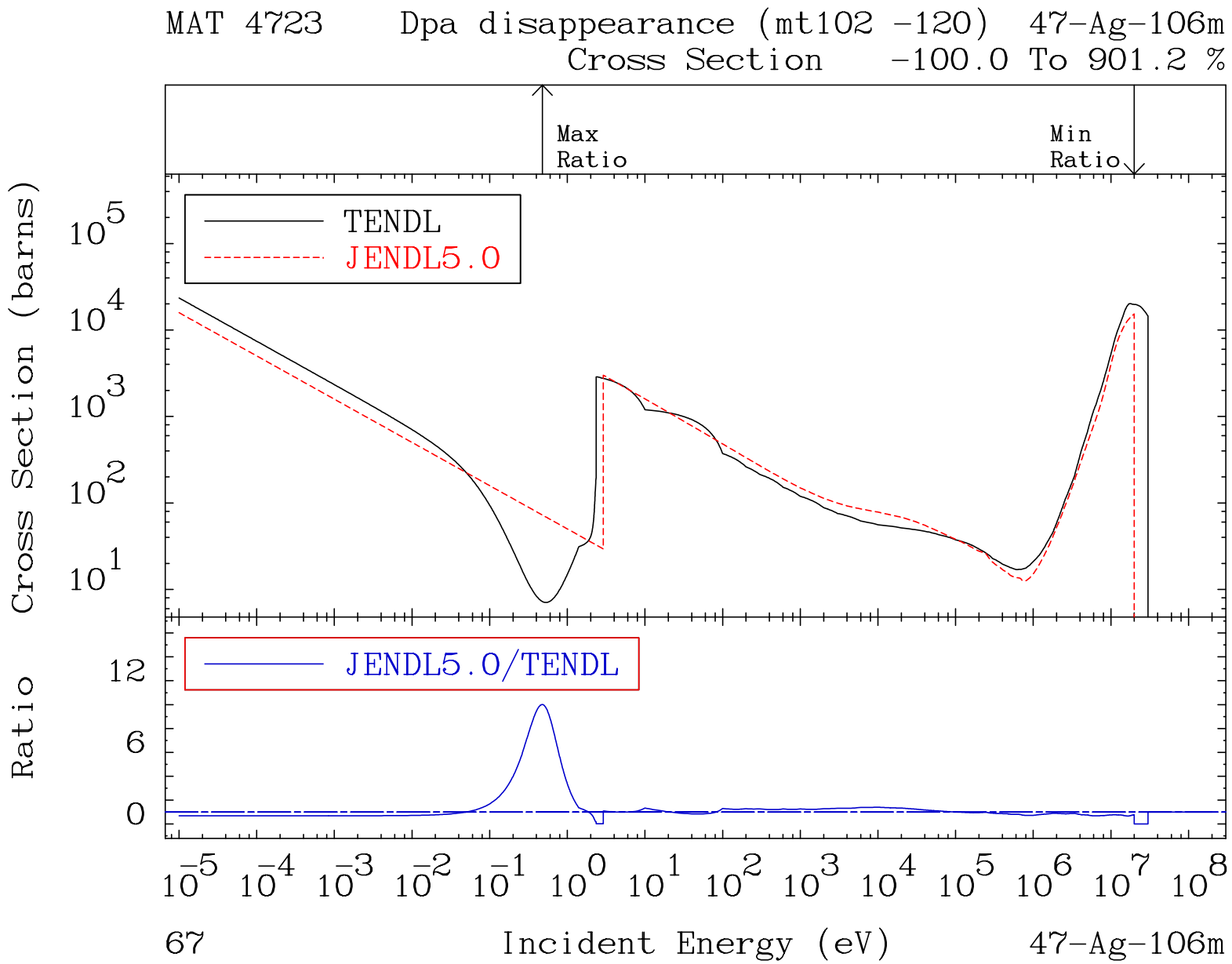

MAT 4723
Total photon (eV-barns)
47-Ag-106m
Cross Section -99.29 To 1833. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
62
47-Ag-106m

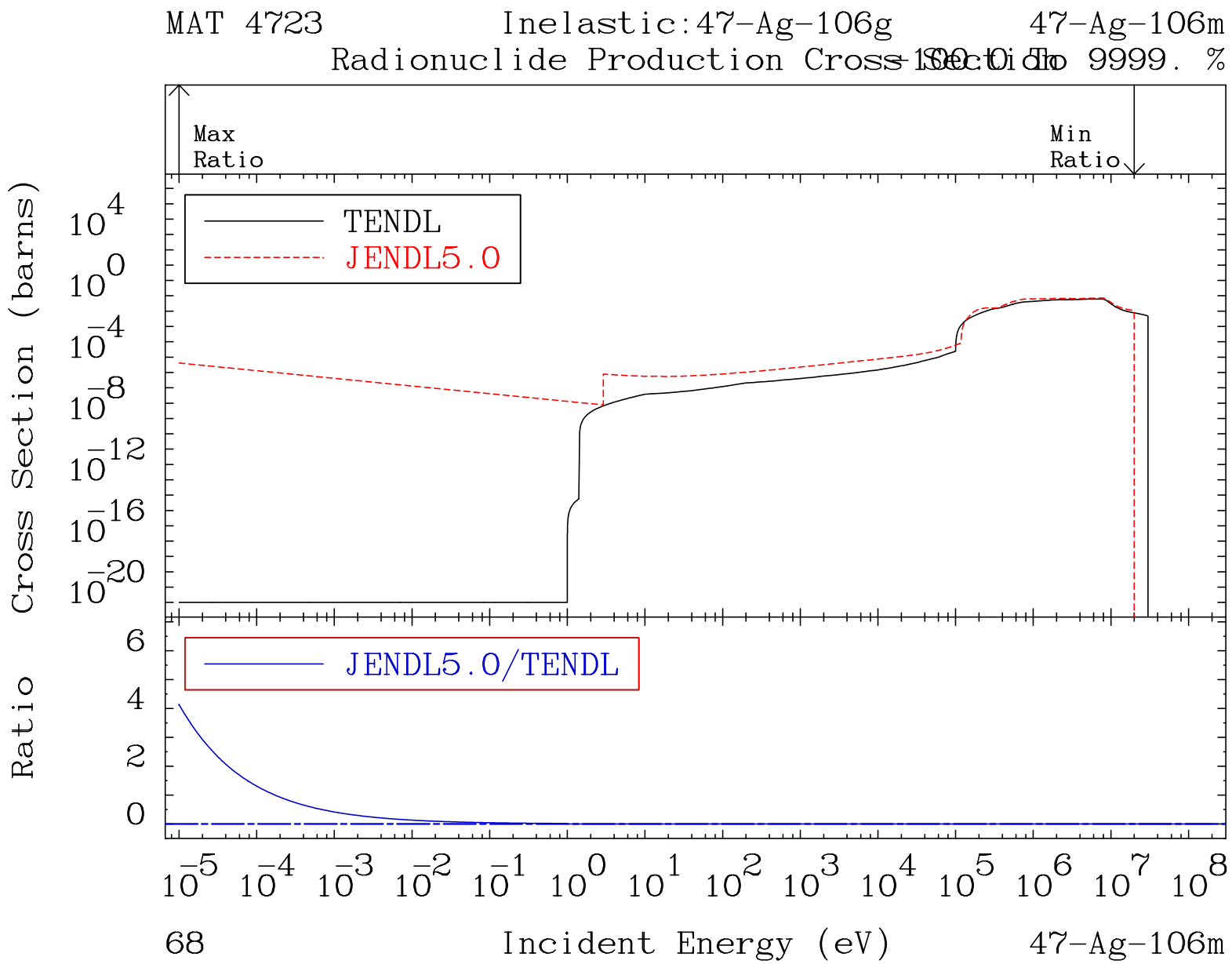

MAT 4723 Total kinematic kerma (high limit)47-Ag-106m
Cross Section -95.13 To 842.0 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63
47-Ag-106m

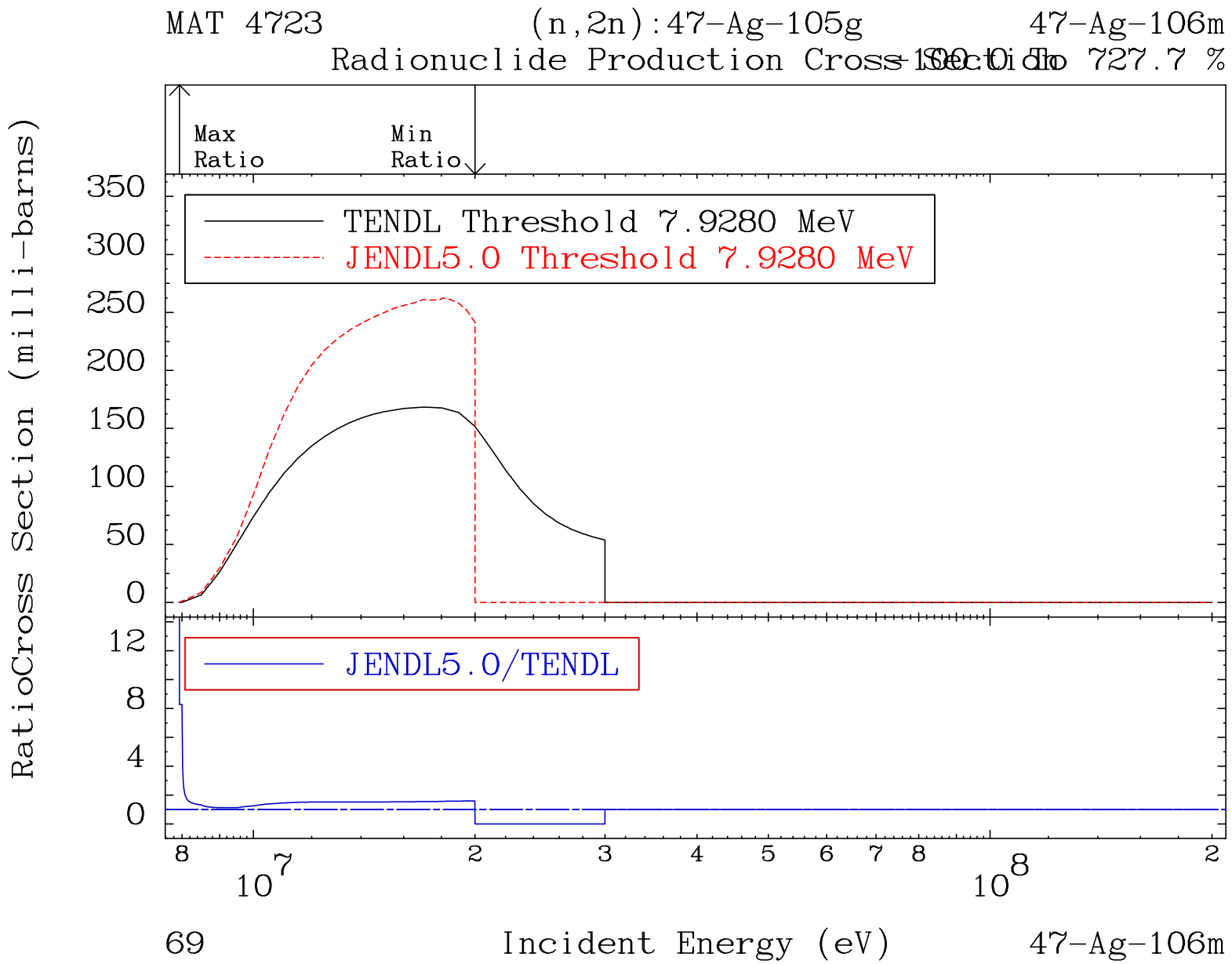

MAT 4723
Dpa total (eV-barns)
47-Ag-106m
Cross Section -98.93 To 901.2 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
64
47-Ag-106m

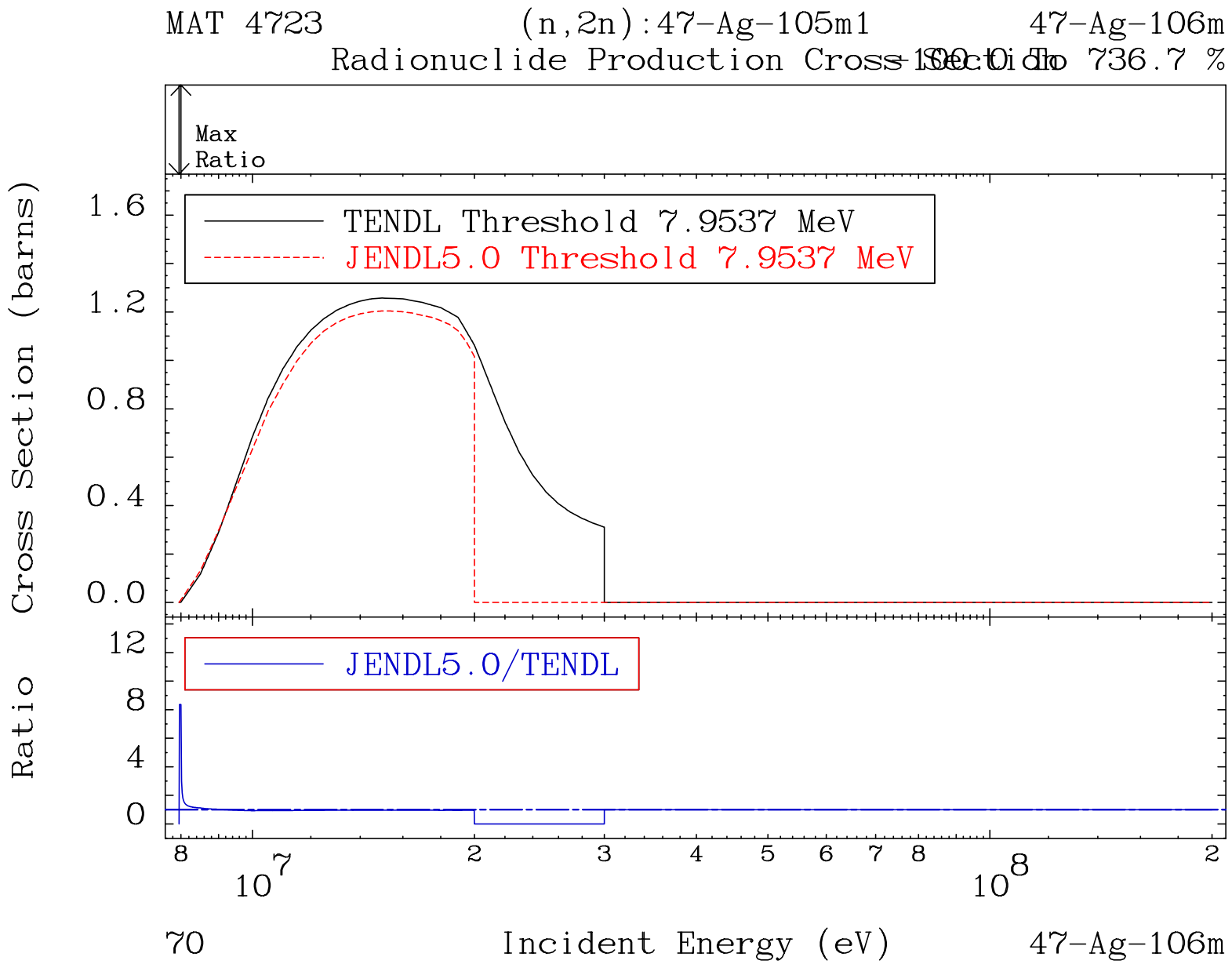

MAT 4723
Dpa elastic (mt2)
Cross Section
47-Ag-106m
-88.47 To 25.65 %
Max Ratio
Min Ratio
TENDL Threshold 1.7000 keV
JENDL5.0 Threshold 1.5000 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
65
47-Ag-106m

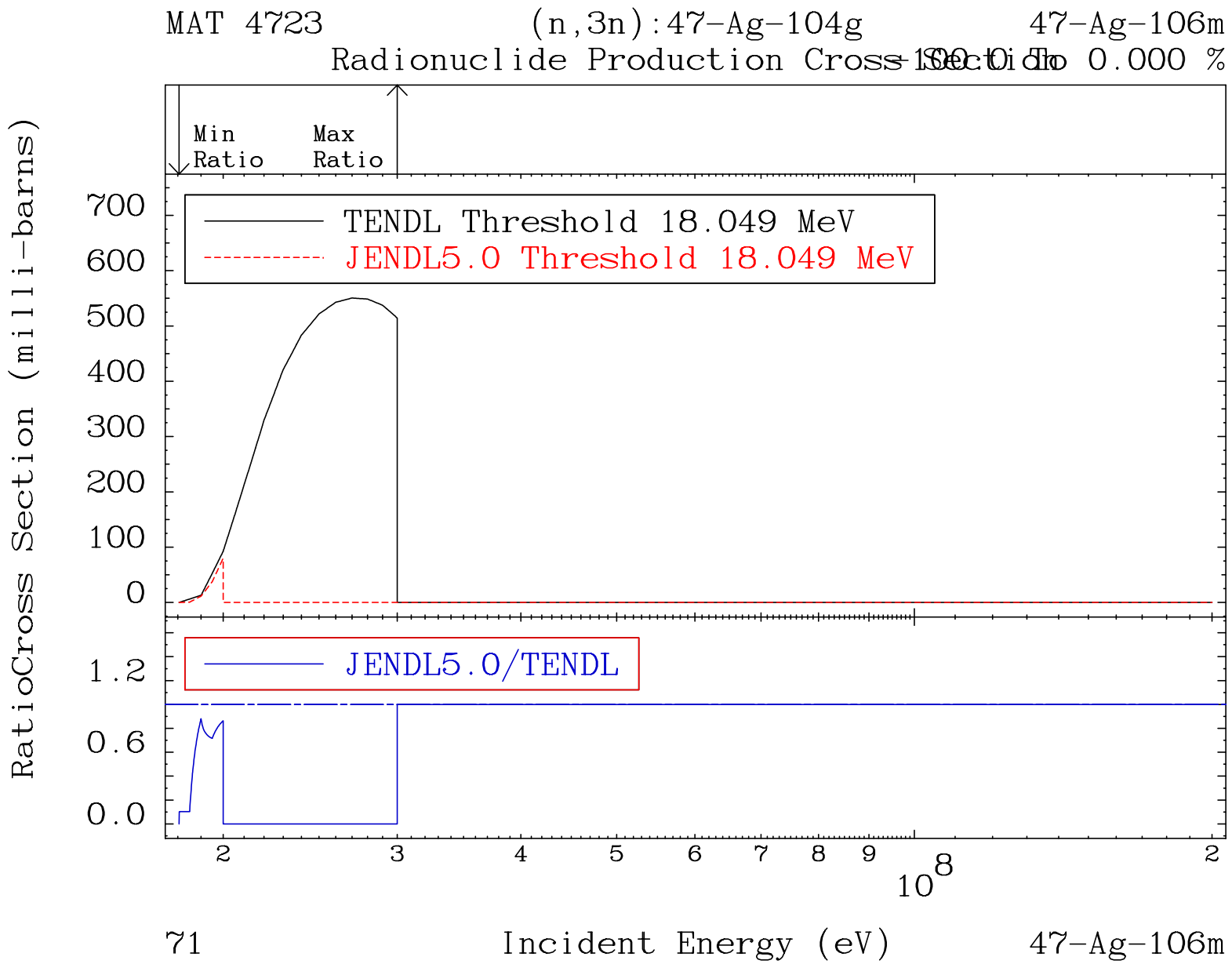

MAT 4723
Dpa inelastic (mt51-91)
47-Ag-106m
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.3561 eV
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
66
47-Ag-106m

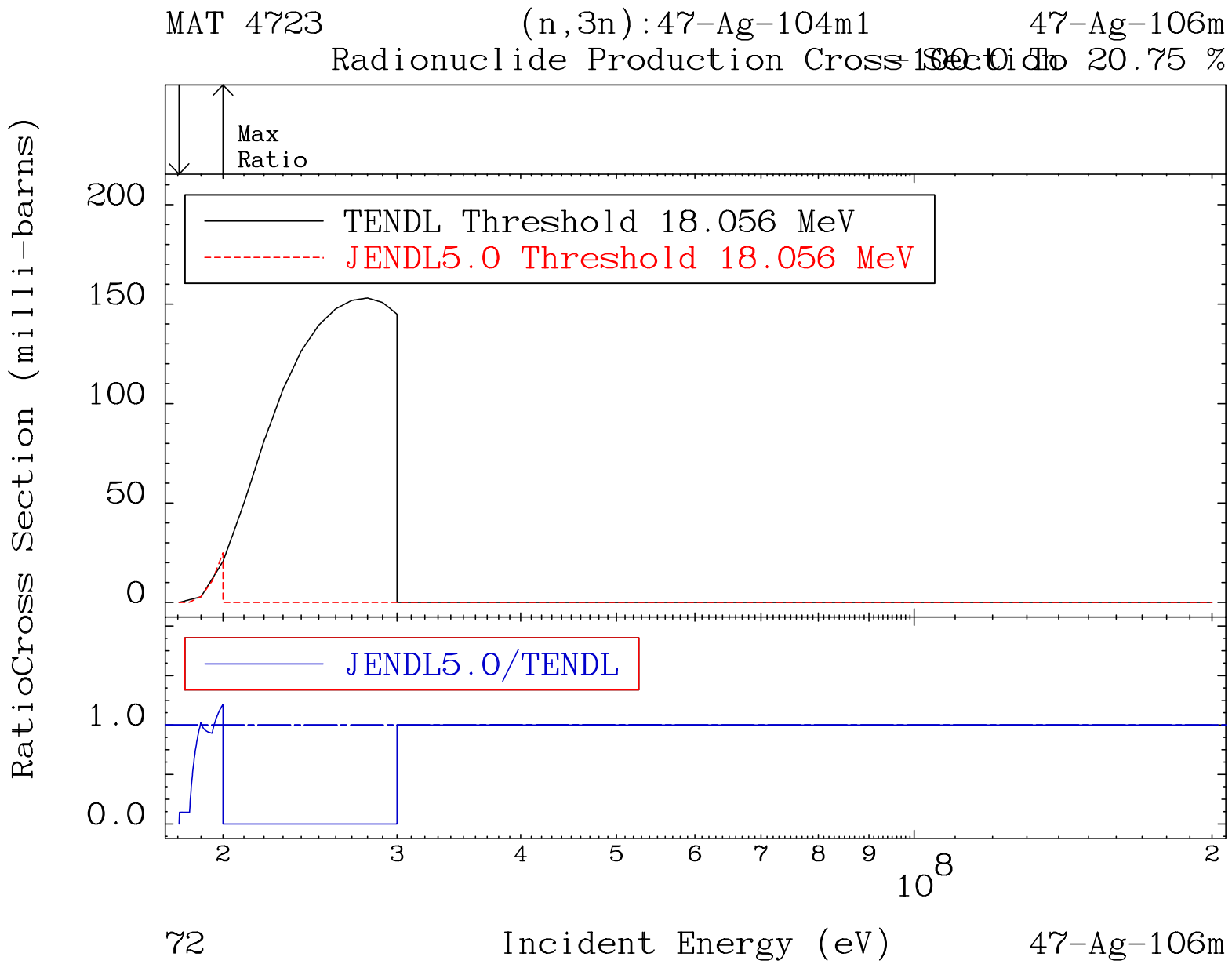

MAT 4723 Dpa disappearance (mt102 -120) 47-Ag-106m
Cross Section -100.0 To 901.2 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
67
47-Ag-106m

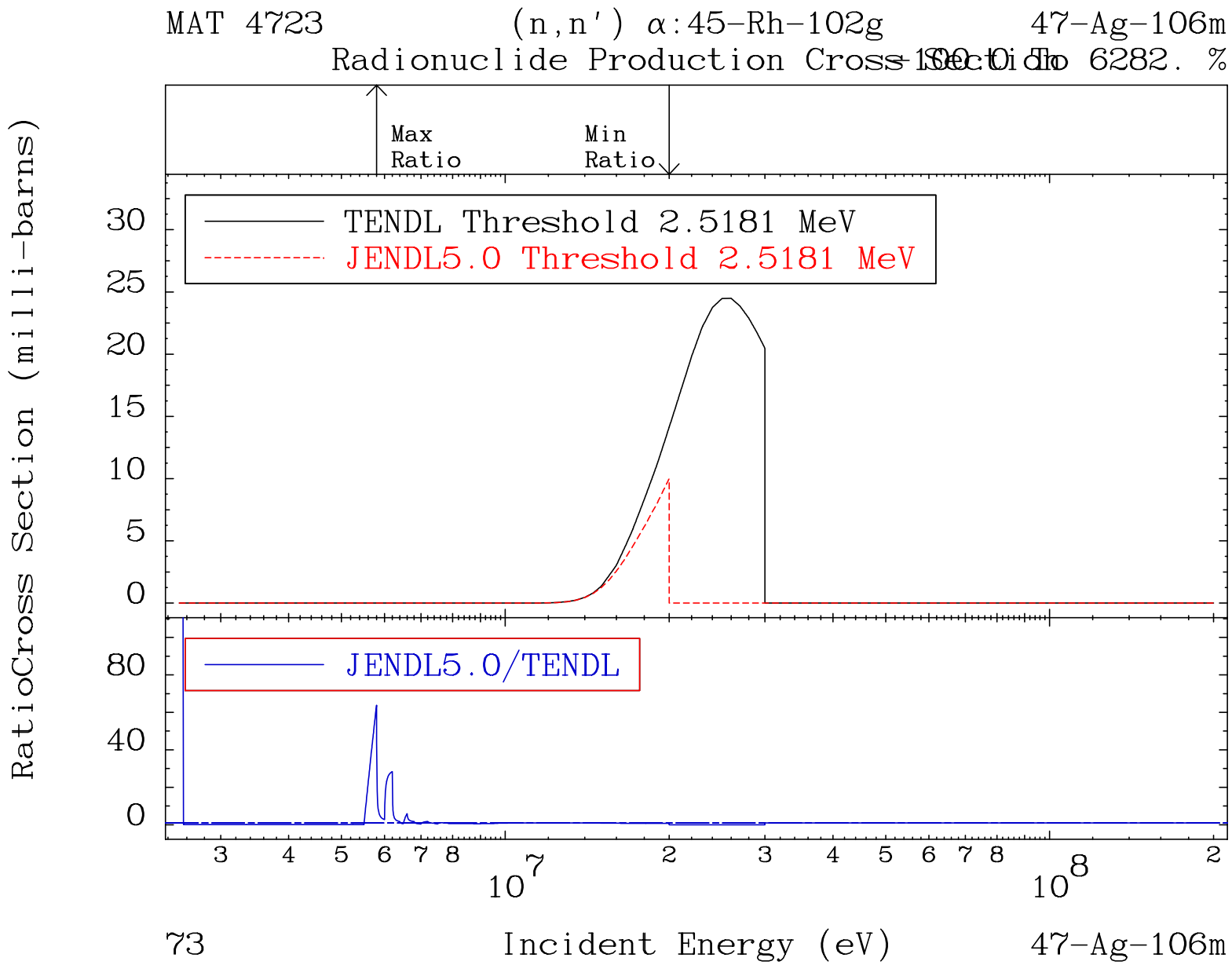

MAT 4723
Inelastic:47-Ag-106g
47-Ag-106m
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
68
47-Ag-106m

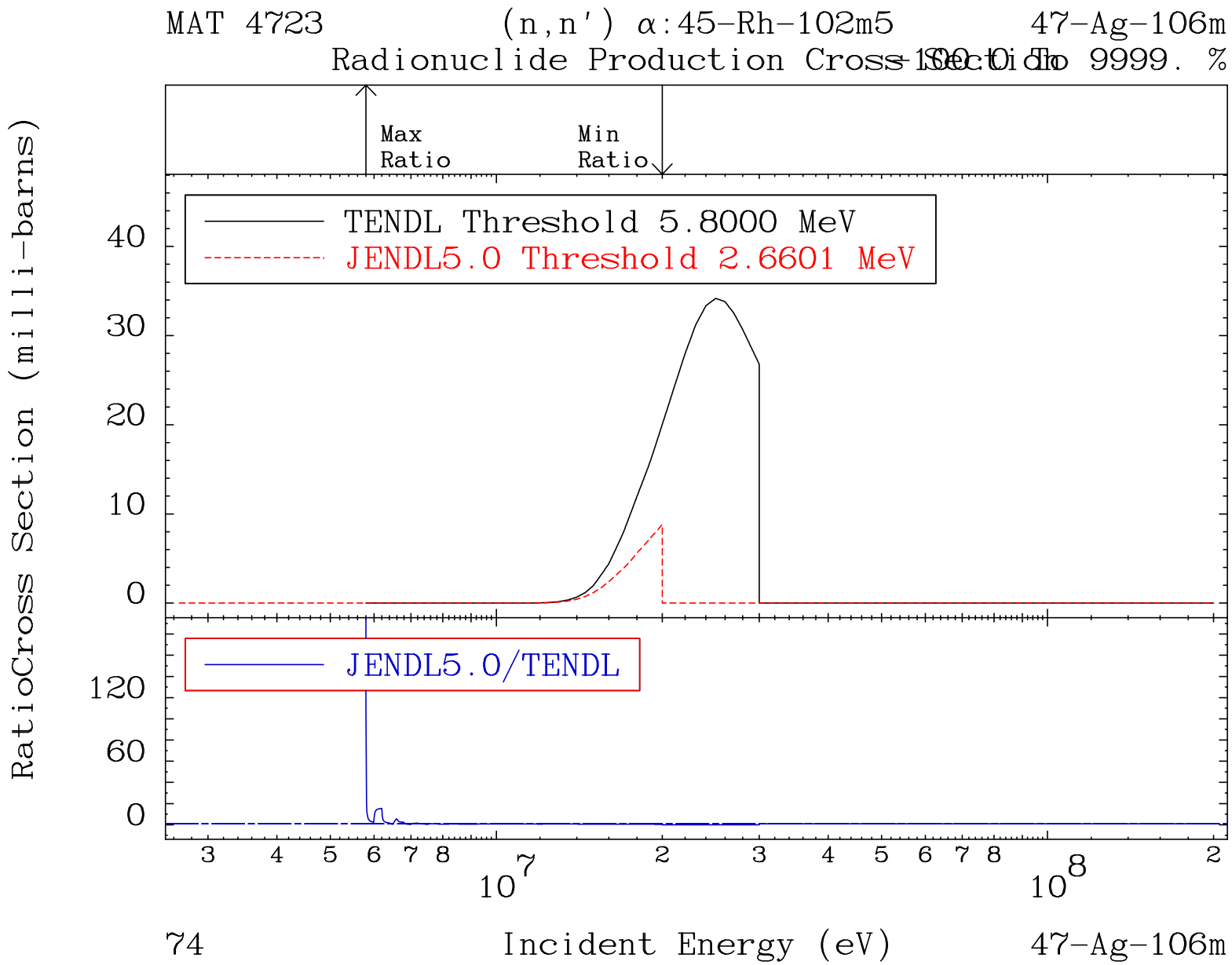

MAT 4723
(n,2n):47-Ag-105g
47-Ag-106m
Radionuclide Production Cross Section To 727.7 %
Max Ratio
Min Ratio
TENDL Threshold 7.9280 MeV
JENDL5.0 Threshold 7.9280 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
12
8
4
0
8
2
3
4
5
6
7
8
2
10^7
10^8
69
Incident Energy (eV)
47-Ag-106m

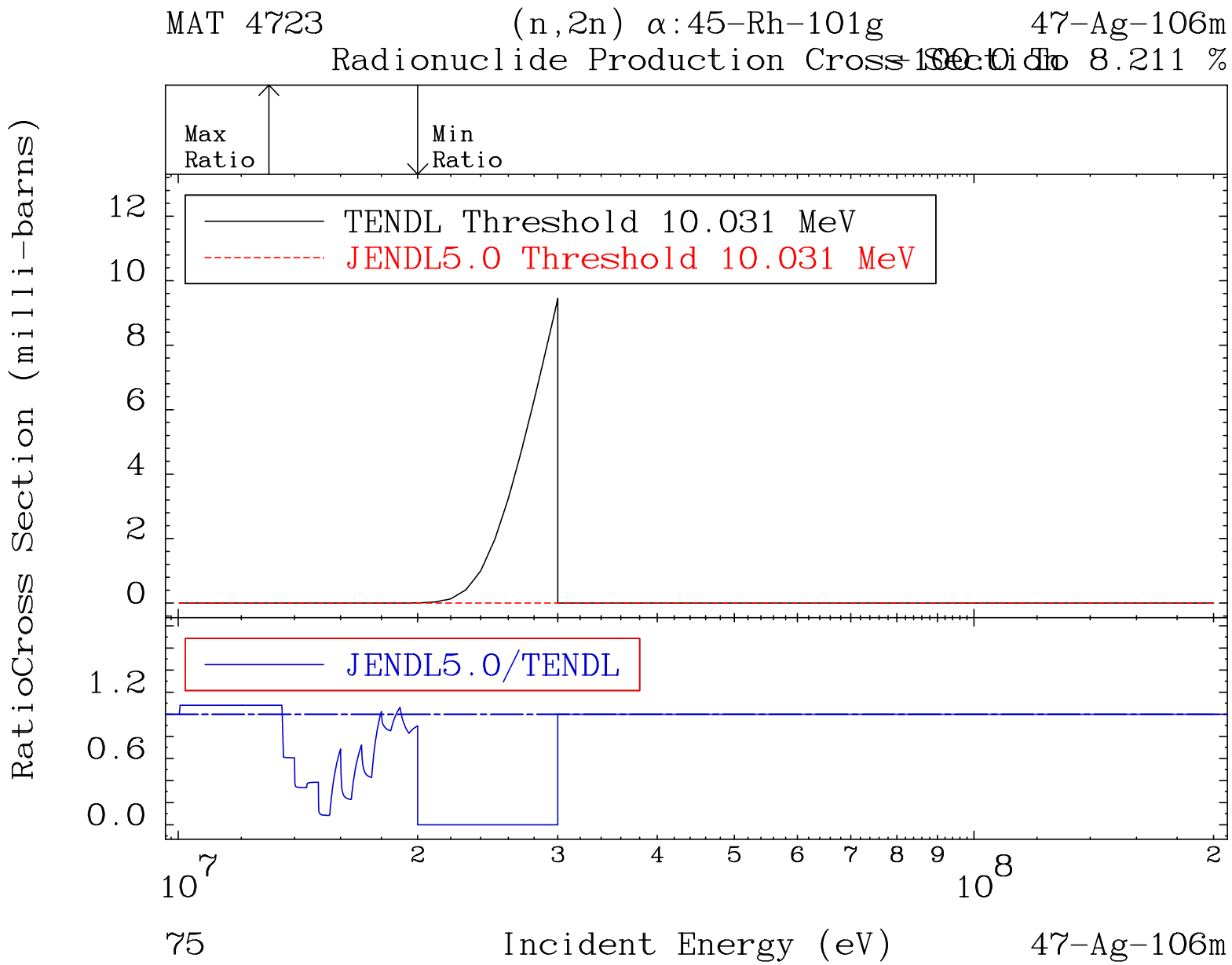

MAT 4723
(n,2n):47-Ag-105m1
47-Ag-106m
Radionuclide Production Cross Section
Max Ratio
TENDL Threshold 7.9537 MeV
JENDL5.0 Threshold 7.9537 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
47-Ag-106m

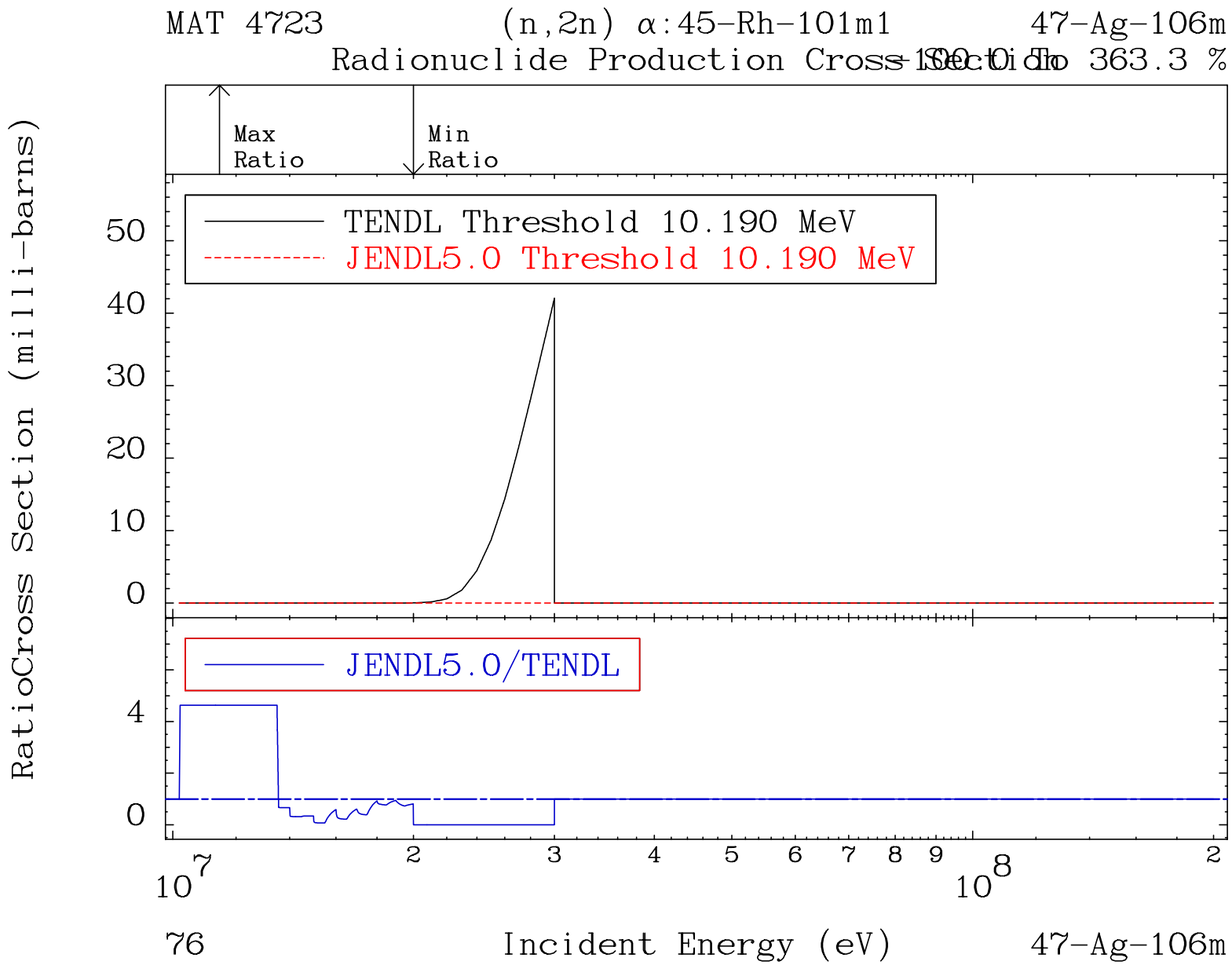

MAT 4723
(n,3n):47-Ag-104g
47-Ag-106m
Radionuclide Production Cross Section
Uncertainty 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 18.049 MeV
JENDL5.0 Threshold 18.049 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
700
600
500
400
300
200
100
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
71
Incident Energy (eV)
47-Ag-106m

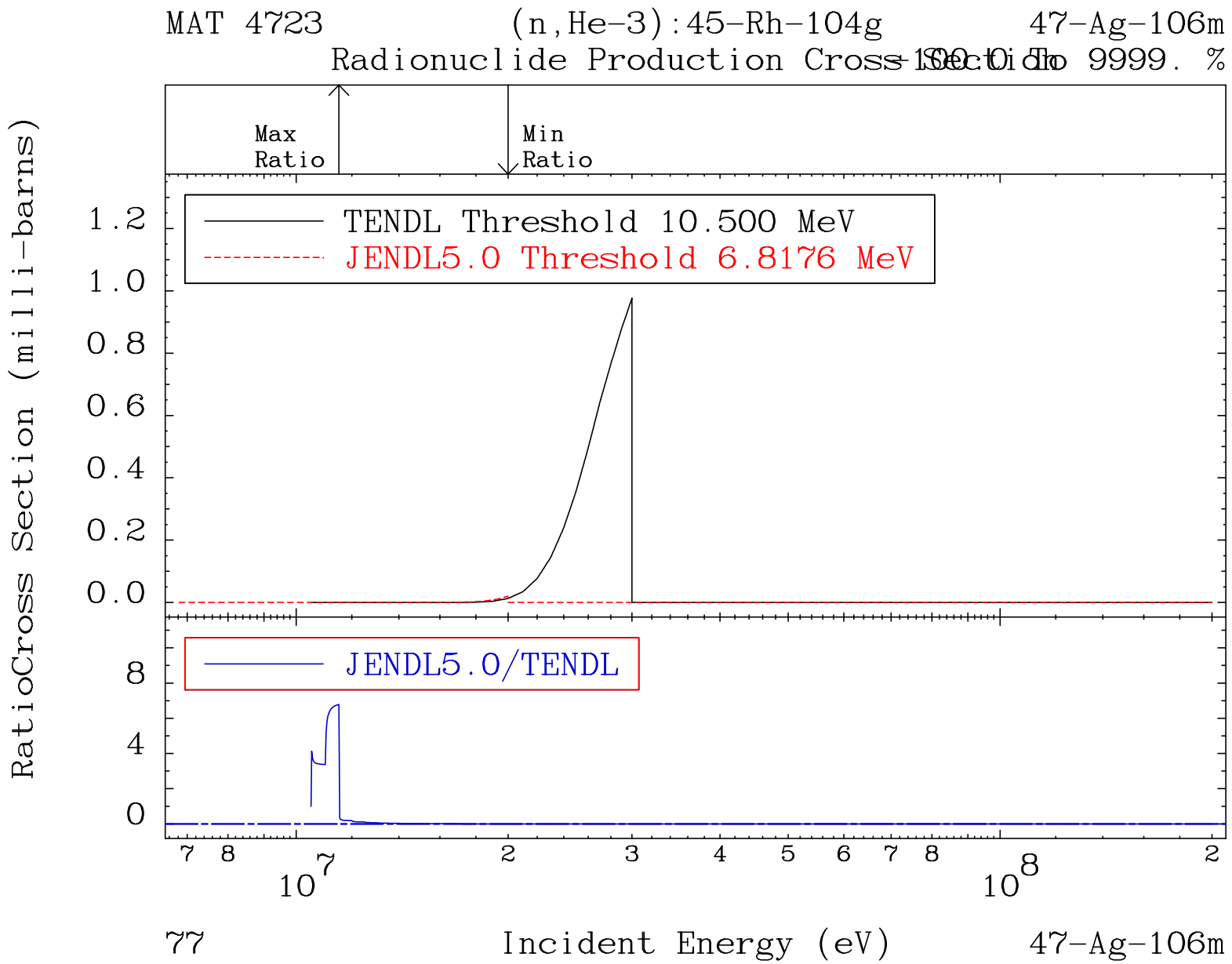

MAT 4723
(n,3n):47-Ag-104m1
47-Ag-106m
Radionuclide Production Cross Section
Max
Ratio
200
150
100
50
0
TENDL Threshold 18.056 MeV
JENDL5.0 Threshold 18.056 MeV
JENDL5.0/TENDL
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
RatioCross Section (milli-barns)
72
Incident Energy (eV)
47-Ag-106m

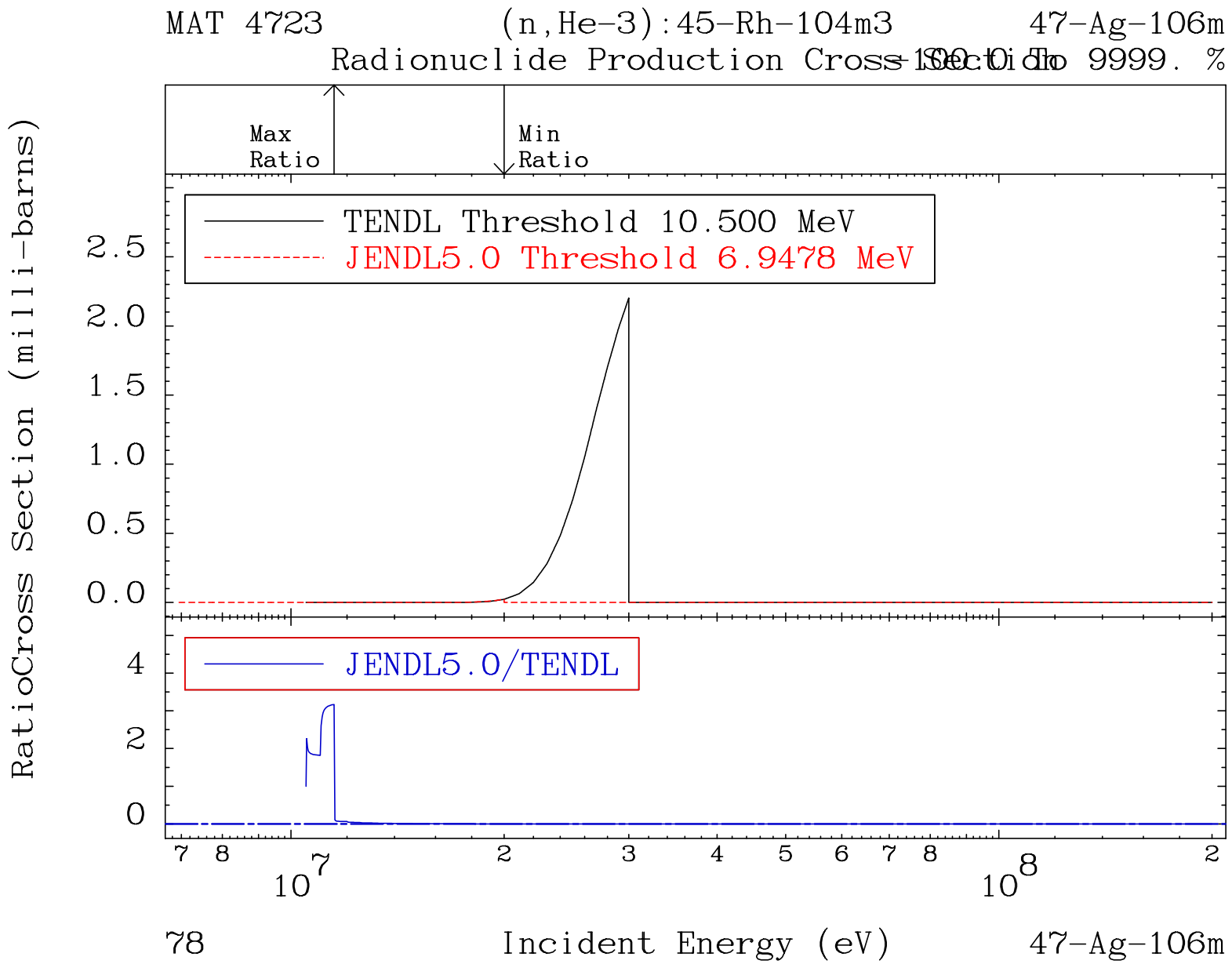

MAT 4723
(n,n') α:45-Rh-102g
47-Ag-106m
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 2.5181 MeV
JENDL5.0 Threshold 2.5181 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
73
47-Ag-106m

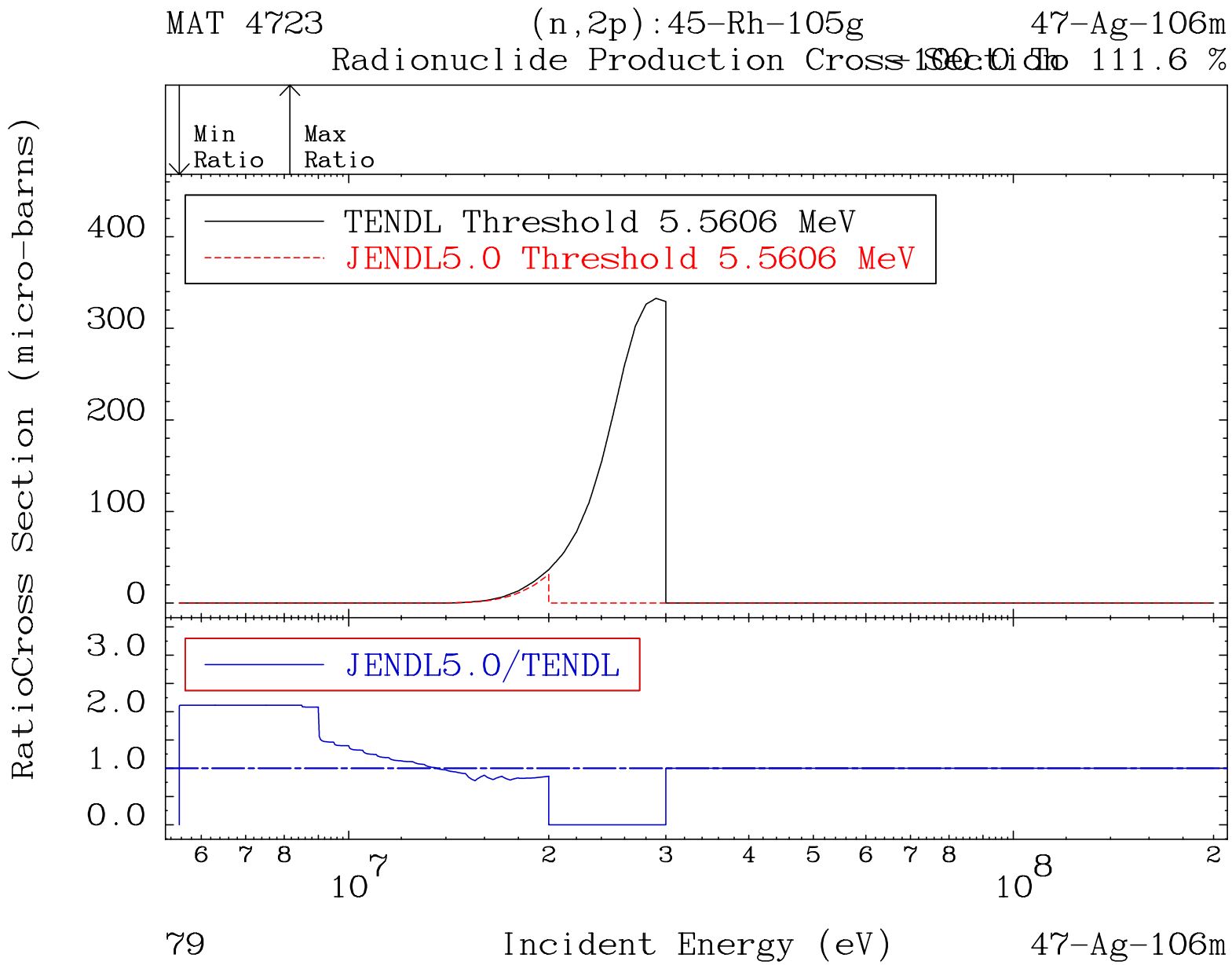

MAT 4723
(n,n') α:45-Rh-102m5
47-Ag-106m
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 5.8000 MeV
JENDL5.0 Threshold 2.6601 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
74
47-Ag-106m

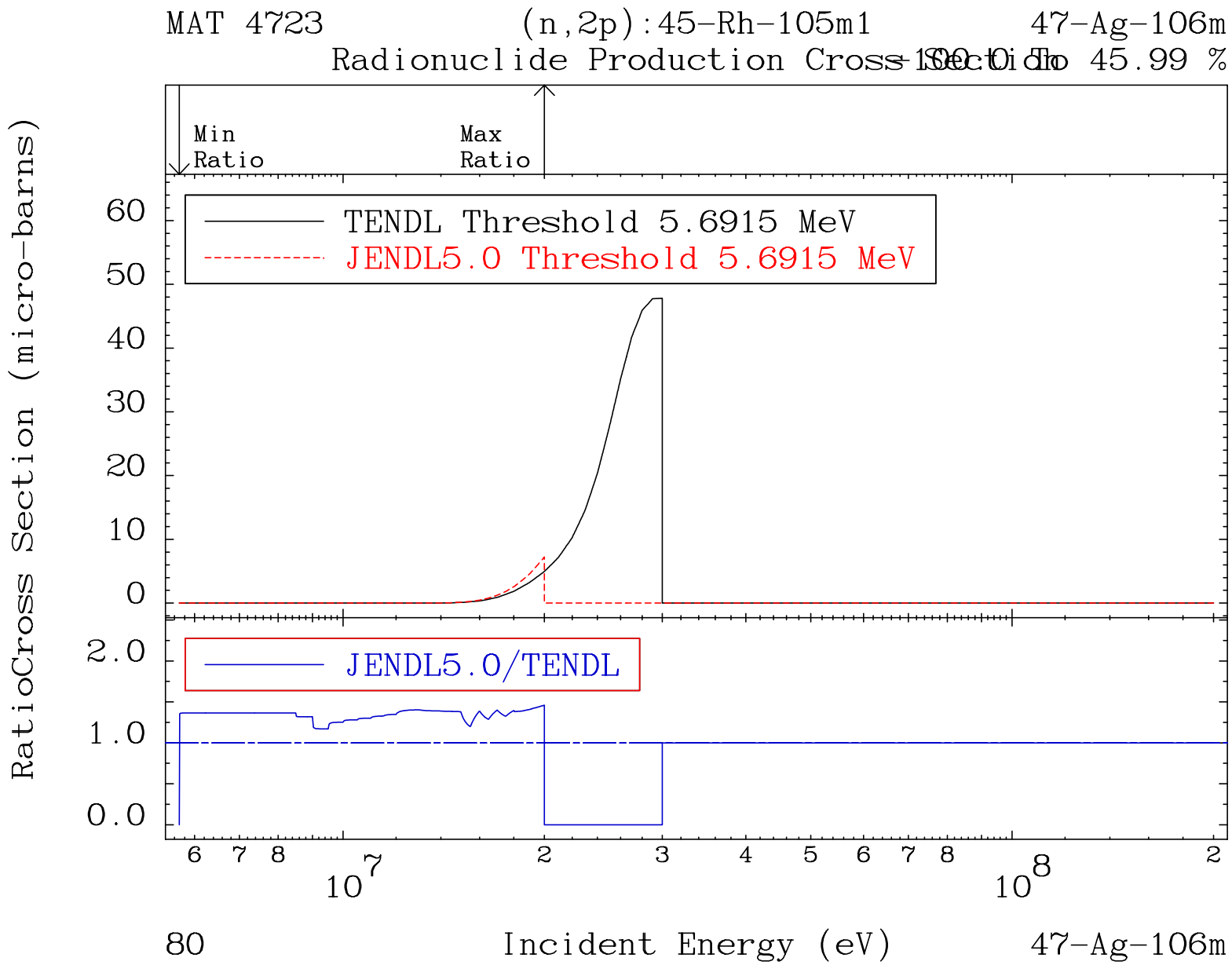

MAT 4723
(n,2n) α:45-Rh-101g
47-Ag-106m
Radionuclide Production Cross Section To 8.211 %
Max Ratio
Min Ratio
TENDL Threshold 10.031 MeV
JENDL5.0 Threshold 10.031 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
1.2
0.6
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
75
Incident Energy (eV)
47-Ag-106m

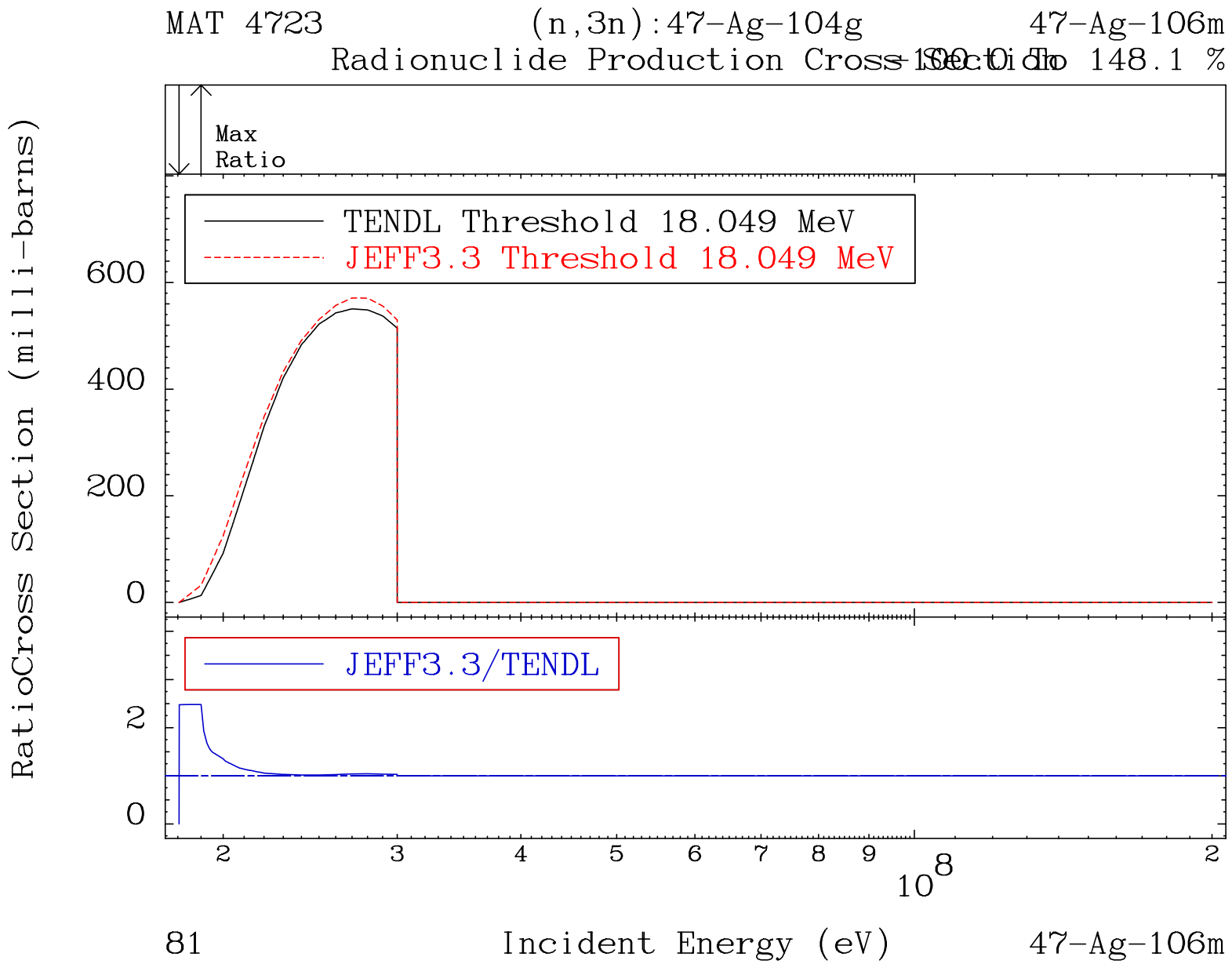

MAT 4723
(n,2n) α:45-Rh-101m1
47-Ag-106m
Radionuclide Production Cross Section To 363.3 %
Max Ratio
Min Ratio
TENDL Threshold 10.190 MeV
JENDL5.0 Threshold 10.190 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
4
0
10^7
2
3
4
5
6
7
8
9
10^8
2
76
Incident Energy (eV)
47-Ag-106m

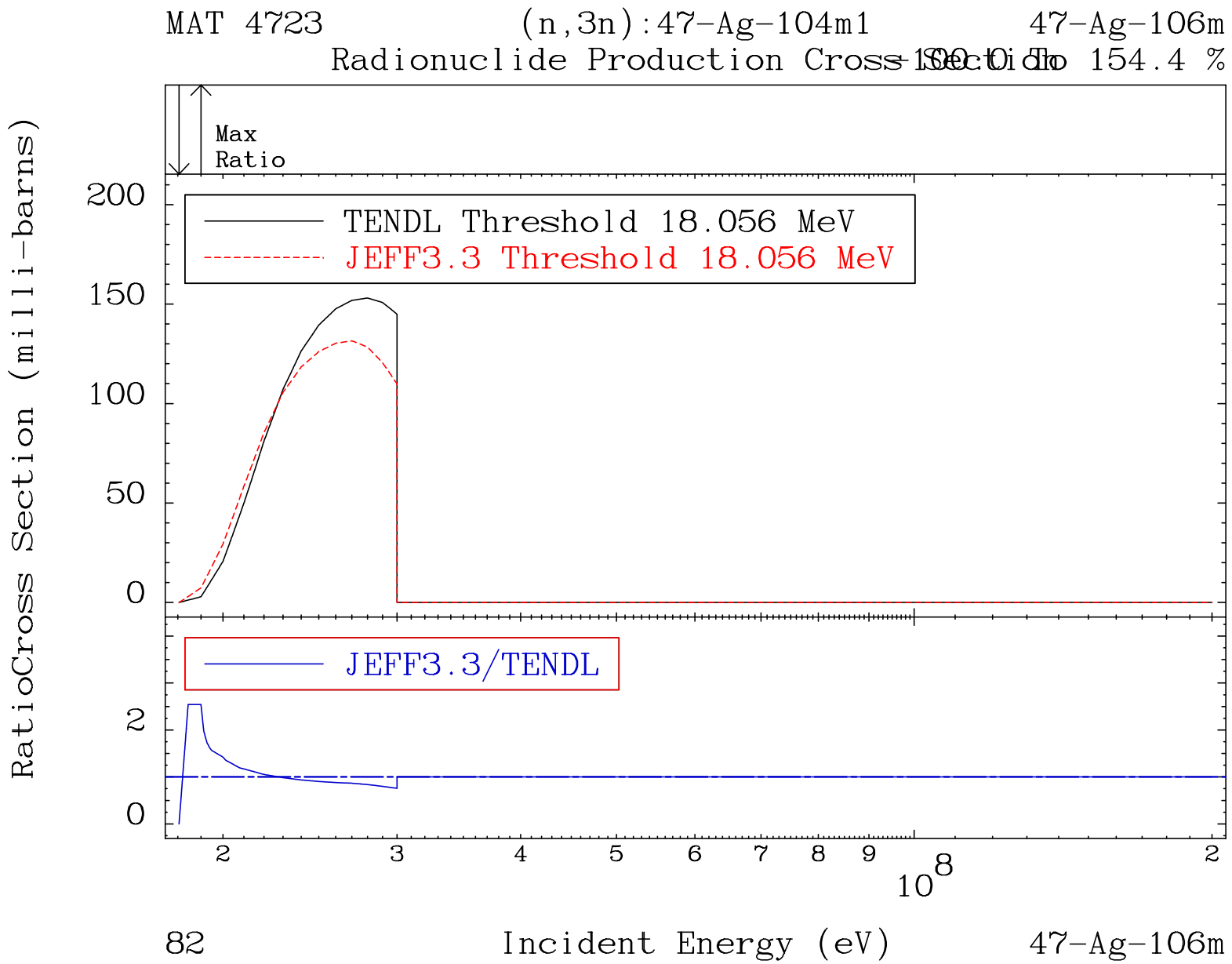

MAT 4723
(n,He-3):45-Rh-104g
47-Ag-106m
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 10.500 MeV
JENDL5.0 Threshold 6.8176 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
77
47-Ag-106m

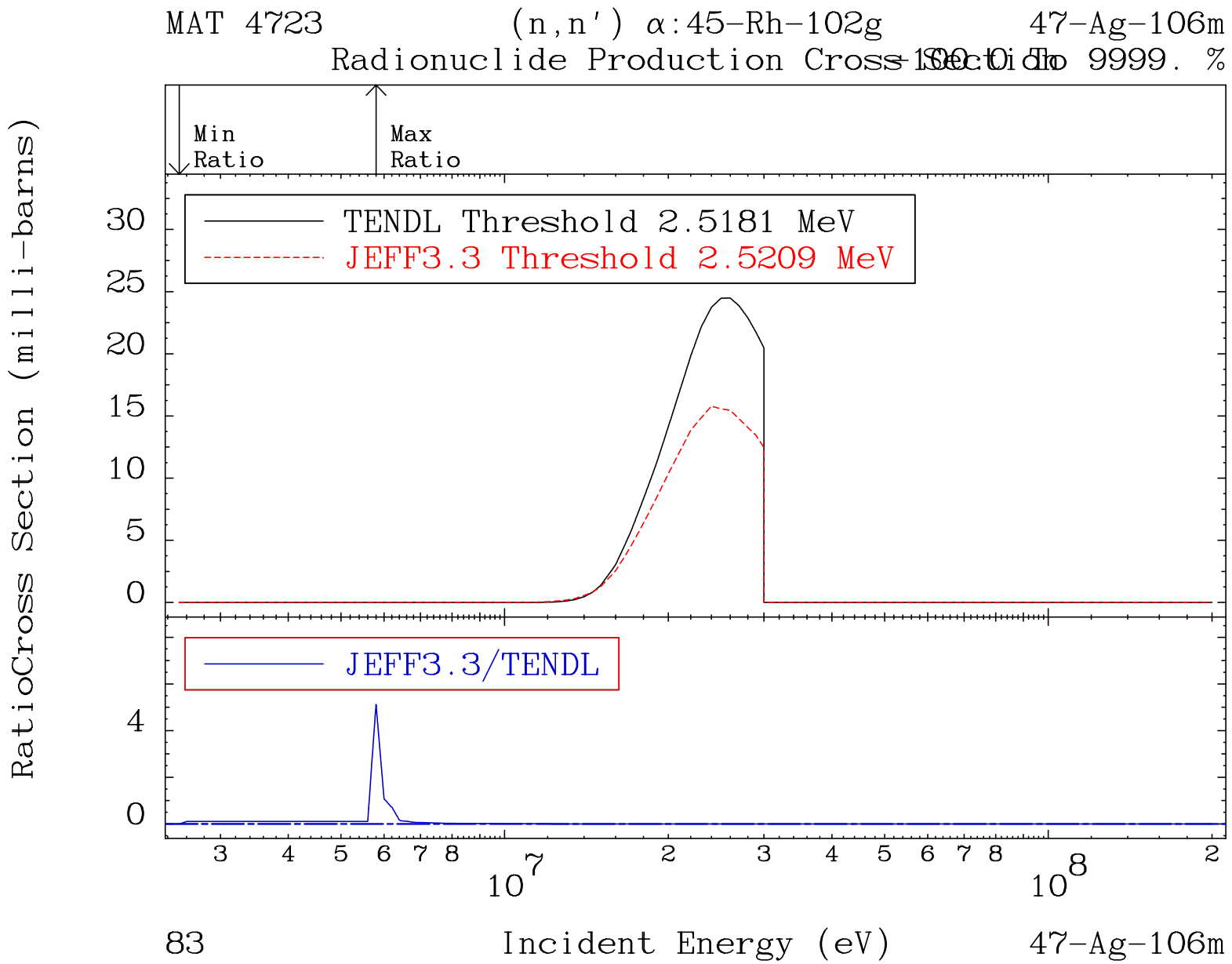

MAT 4723
(n,He-3):45-Rh-104m3
47-Ag-106m
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 10.500 MeV
JENDL5.0 Threshold 6.9478 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
78
47-Ag-106m

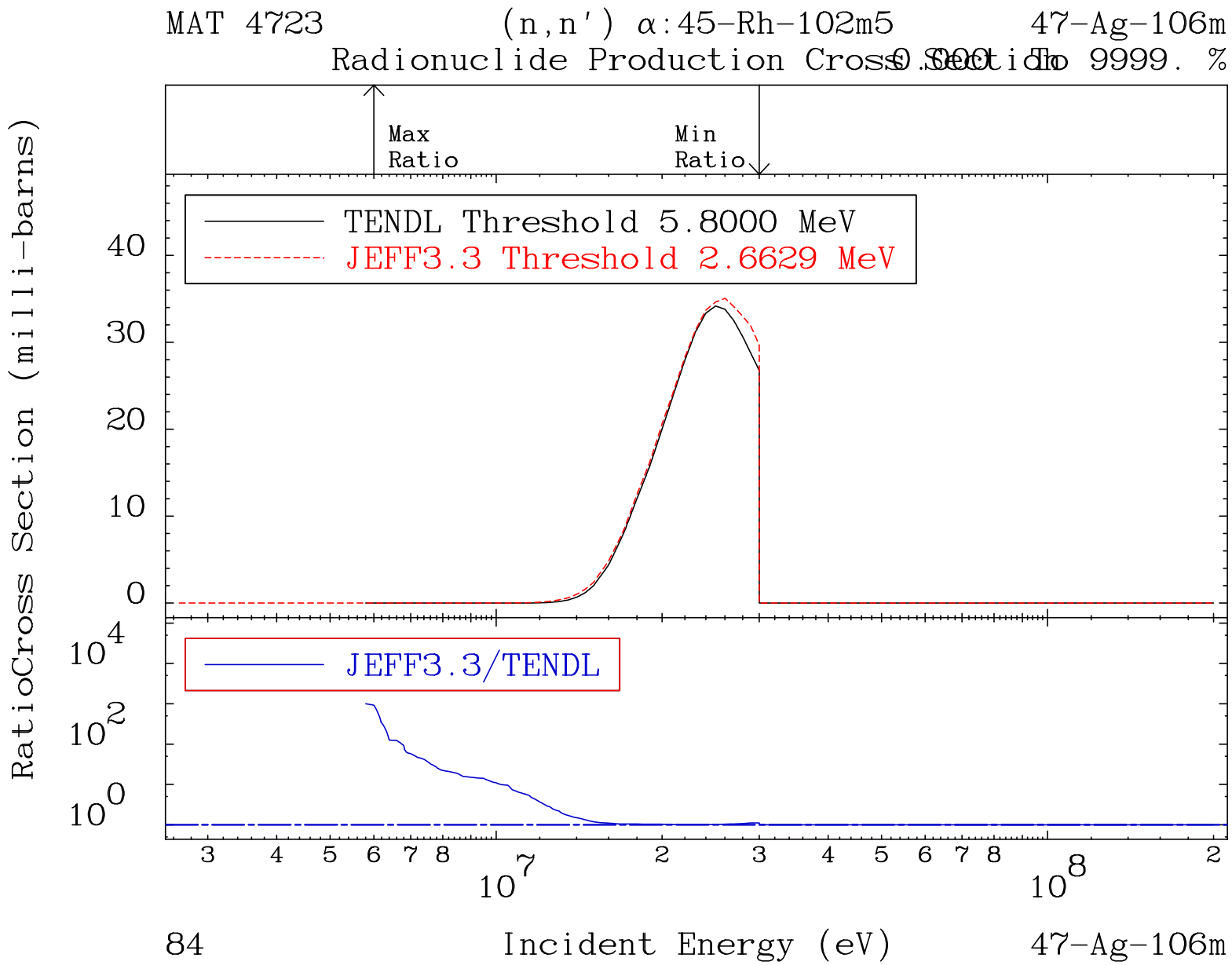

MAT 4723
(n,2p):45-Rh-105g
47-Ag-106m
Radionuclide Production Cross Section To 111.6 %
Min Ratio
Max Ratio
TENDL Threshold 5.5606 MeV
JENDL5.0 Threshold 5.5606 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
400
300
200
100
0
3.0
2.0
1.0
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
79
Incident Energy (eV)
47-Ag-106m

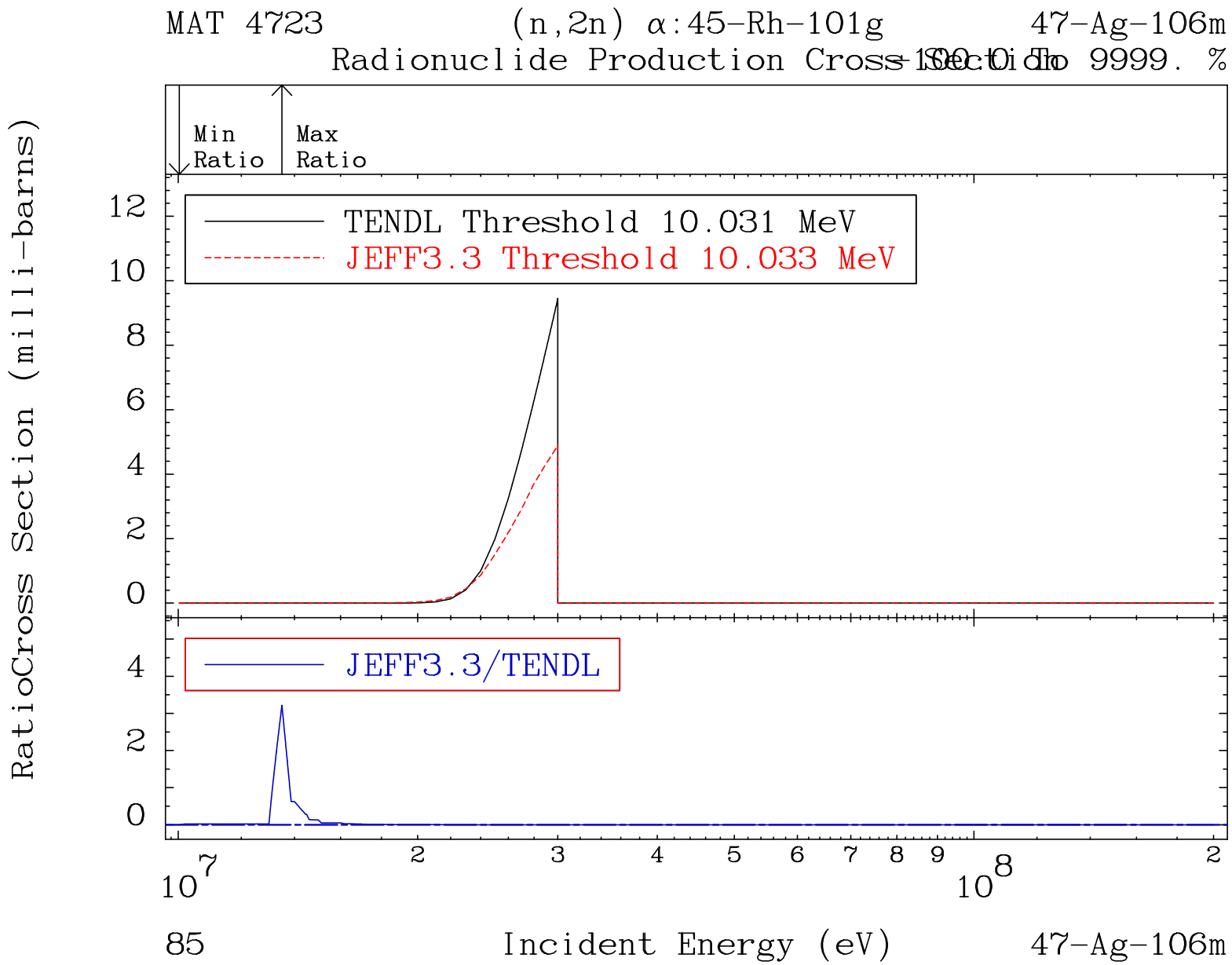

MAT 4723
(n,2p):45-Rh-105m1
47-Ag-106m
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 5.6915 MeV
JENDL5.0 Threshold 5.6915 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
80
47-Ag-106m

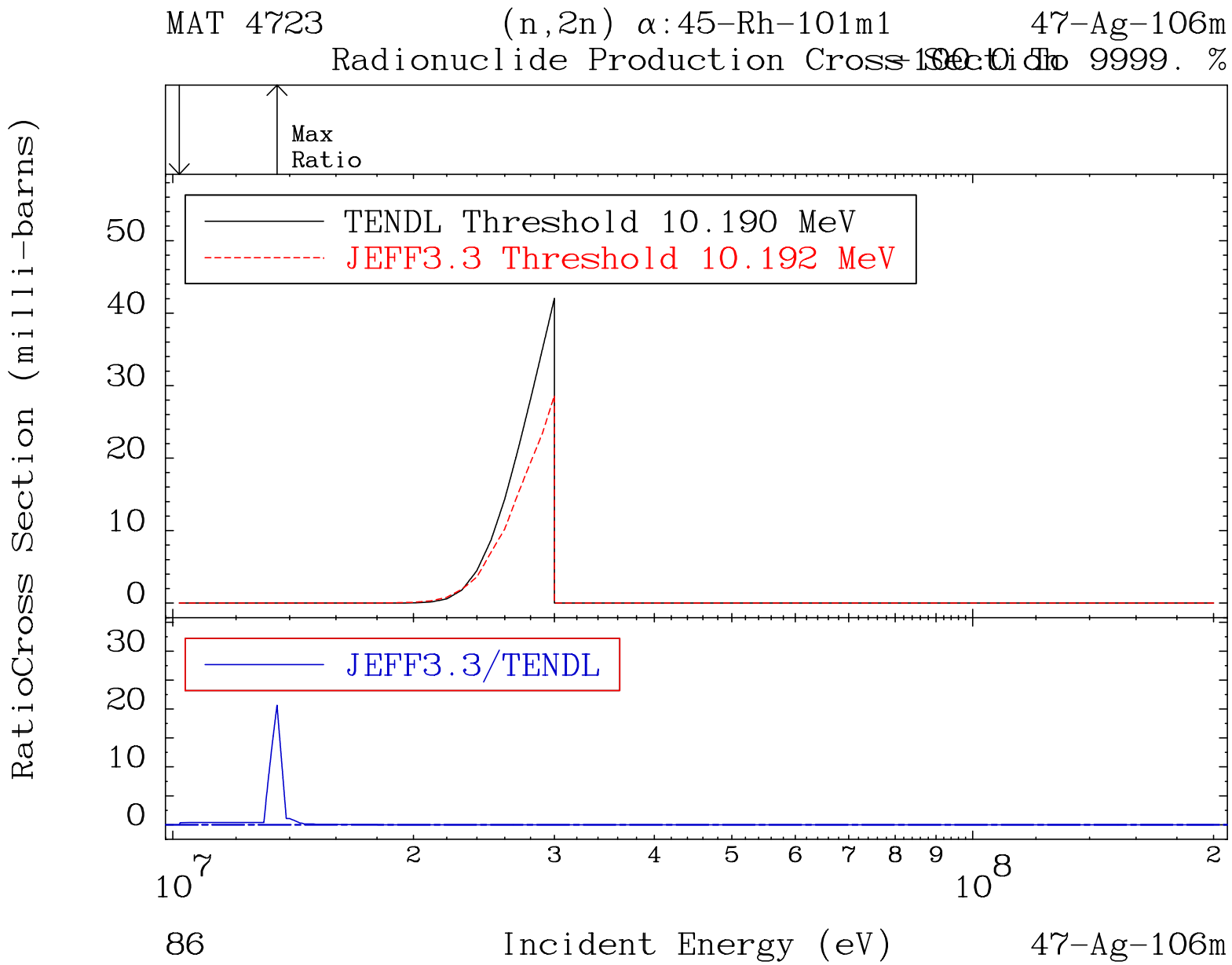

MAT 4723
(n,3n):47-Ag-104g
47-Ag-106m
Radionuclide Production Cross Section To 148.1 %
Max
Ratio
TENDL Threshold 18.049 MeV
JEFF3.3 Threshold 18.049 MeV
600
400
200
0
JEFF3.3/TENDL
2
0
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (milli-barns)
81
Incident Energy (eV)
47-Ag-106m

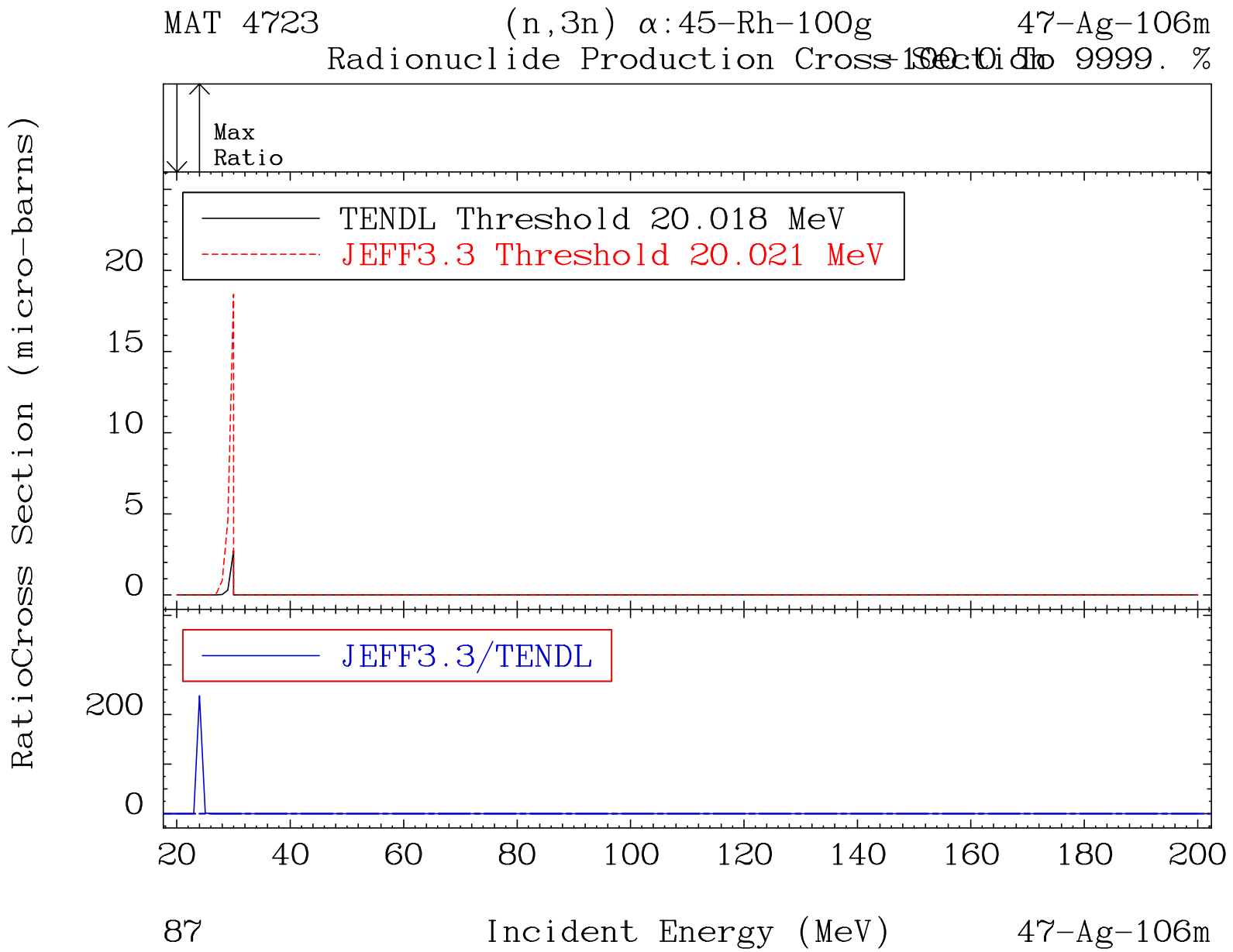

MAT 4723
(n,3n):47-Ag-104m1
47-Ag-106m
Radionuclide Production Cross Section To 154.4 %
Max
Ratio
200
150
100
50
0
TENDL Threshold 18.056 MeV
JEFF3.3 Threshold 18.056 MeV
JEFF3.3/TENDL
2
0
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (milli-barns)
82
Incident Energy (eV)
47-Ag-106m

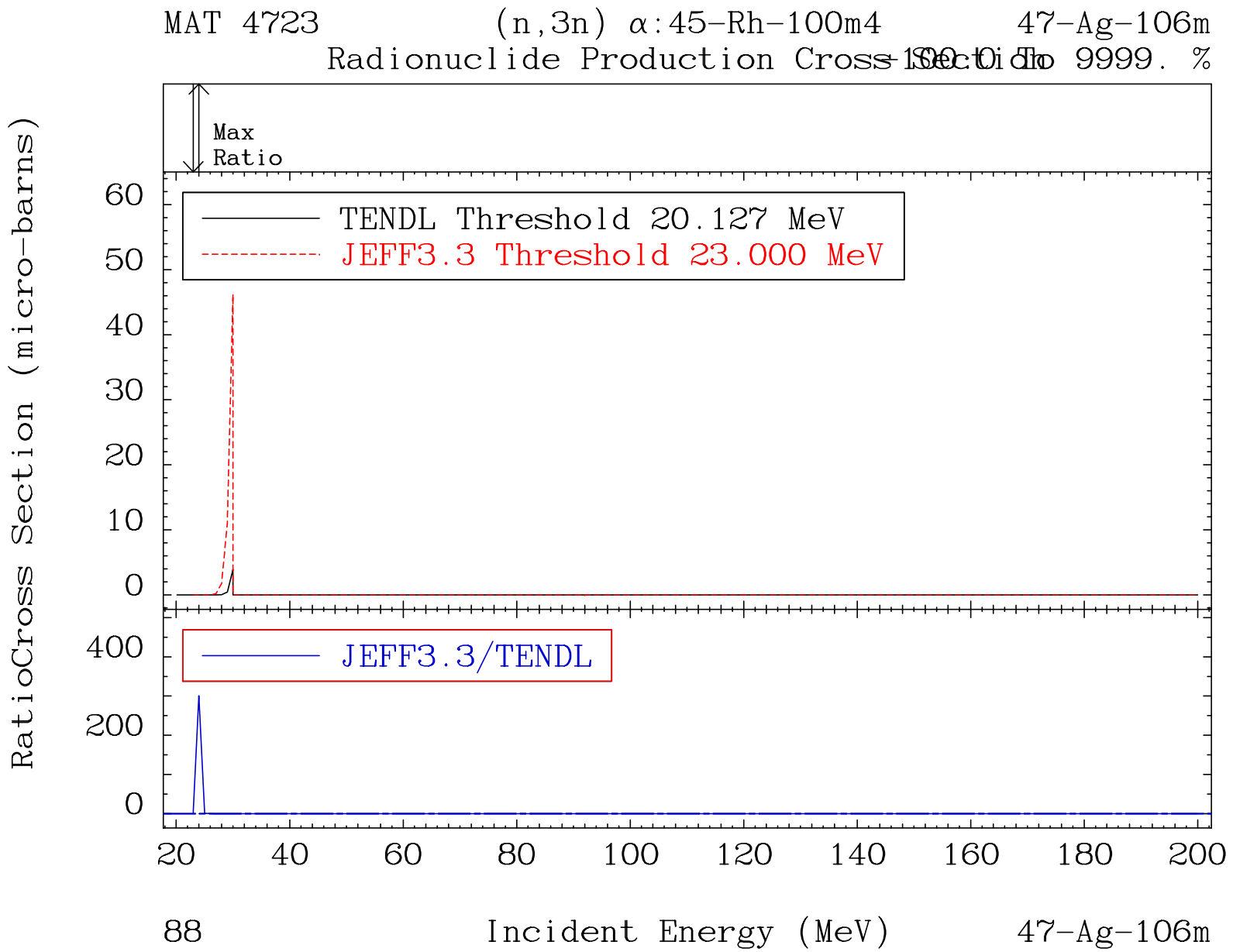

MAT 4723
(n,n') α:45-Rh-102g
47-Ag-106m
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.5181 MeV
JEFF3.3 Threshold 2.5209 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
4
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
83
Incident Energy (eV)
47-Ag-106m

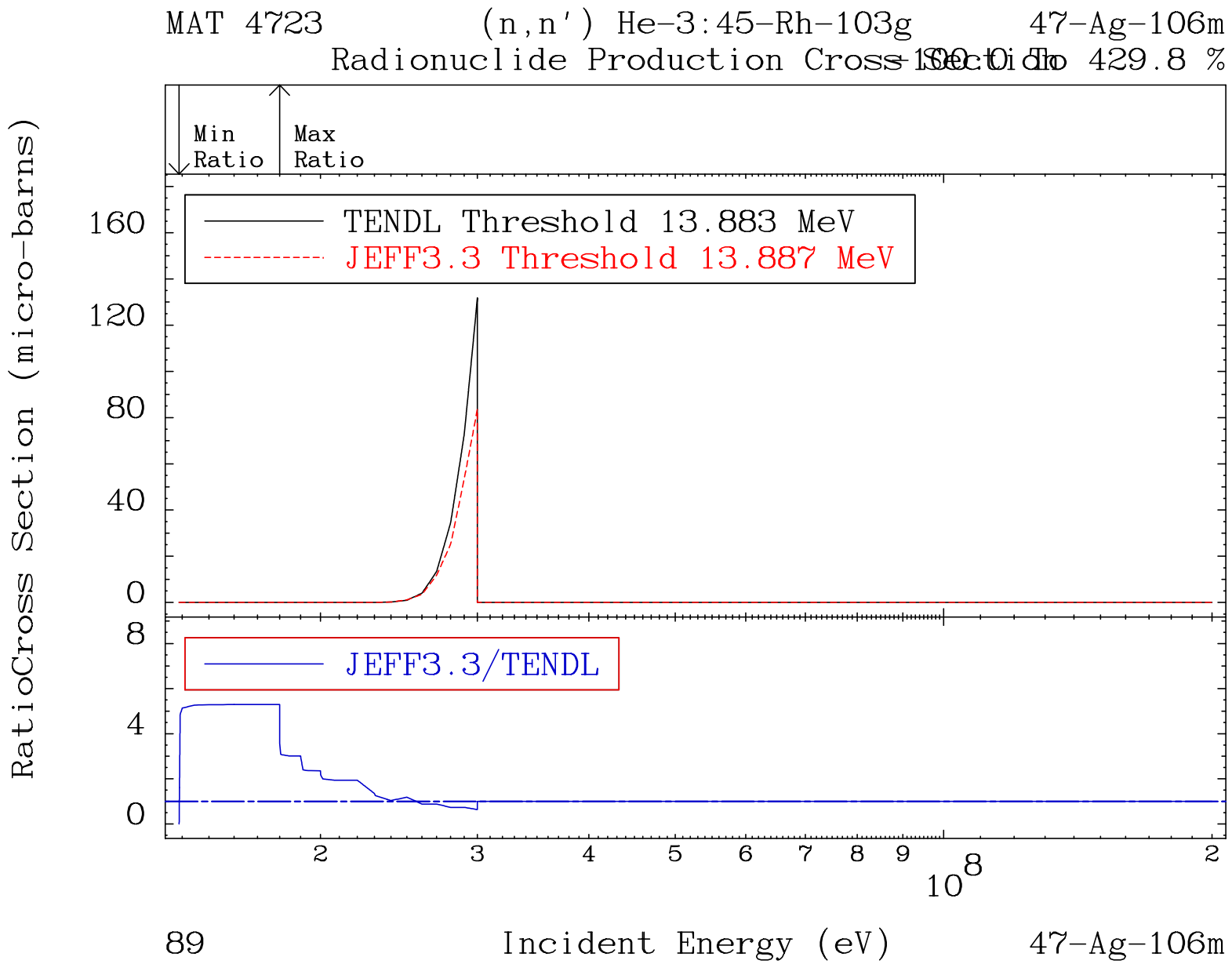

MAT 4723
(n,n') α:45-Rh-102m5
47-Ag-106m
Radionuclide Production Cross Section
0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 5.8000 MeV
JEFF3.3 Threshold 2.6629 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
10^4
10^2
10^0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
84
Incident Energy (eV)
47-Ag-106m

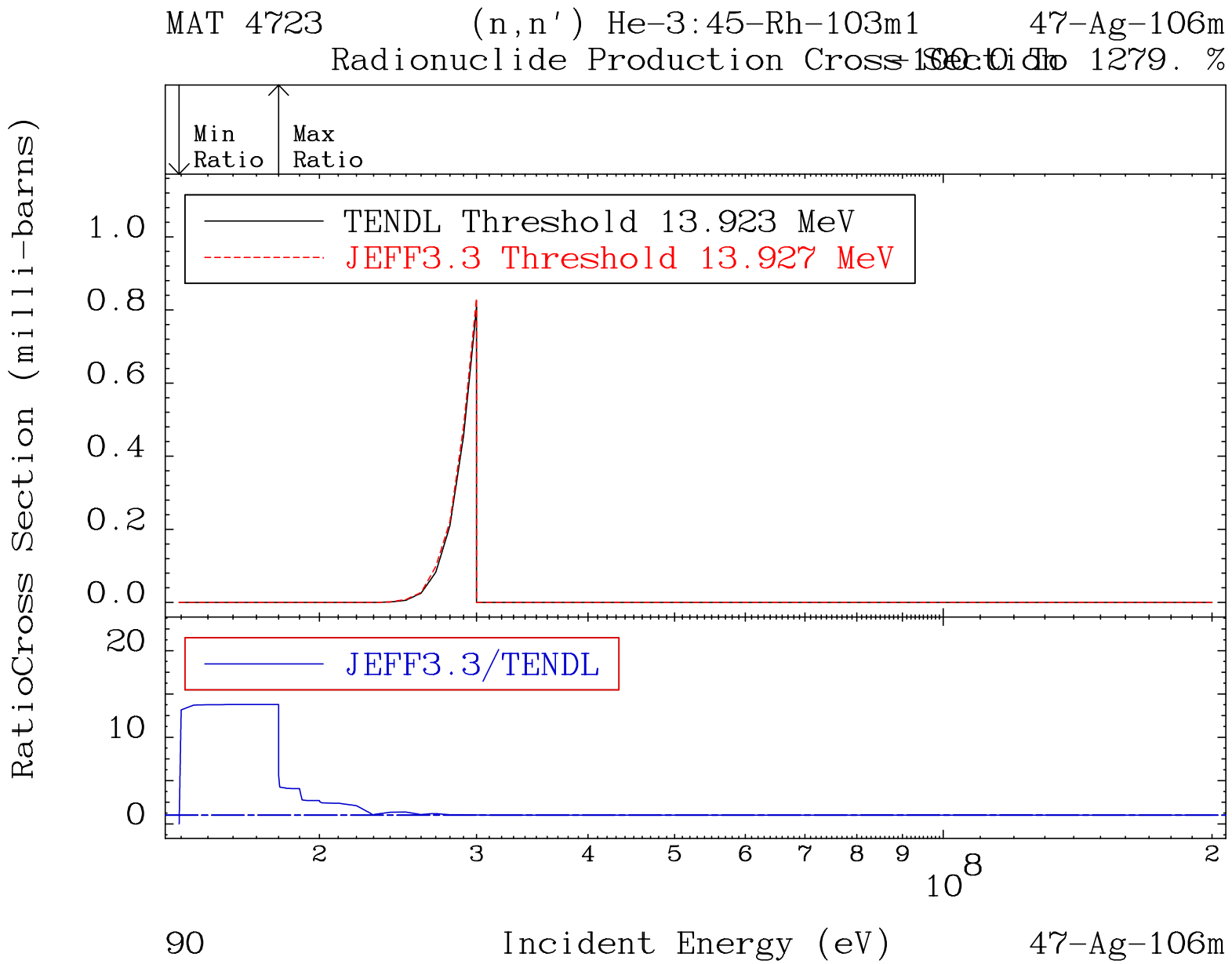

MAT 4723
(n,2n) α:45-Rh-101g
47-Ag-106m
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 10.031 MeV
JEFF3.3 Threshold 10.033 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
85
47-Ag-106m

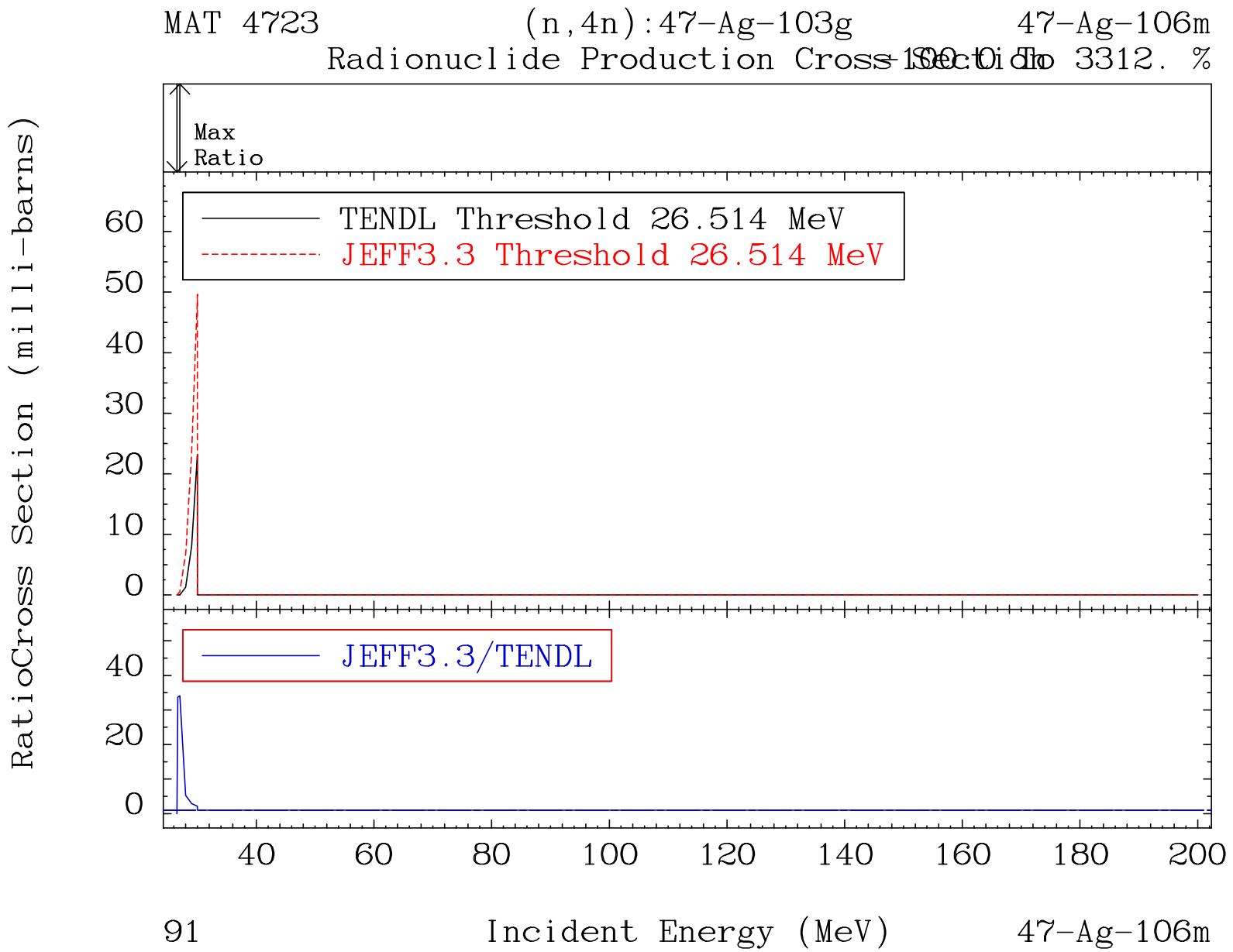

MAT 4723
(n,2n) α:45-Rh-101m1
47-Ag-106m
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 10.190 MeV
JEFF3.3 Threshold 10.192 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
30
20
10
0
10^7
2
3
4
5
6
7
8
9
10^8
2
86
Incident Energy (eV)
47-Ag-106m

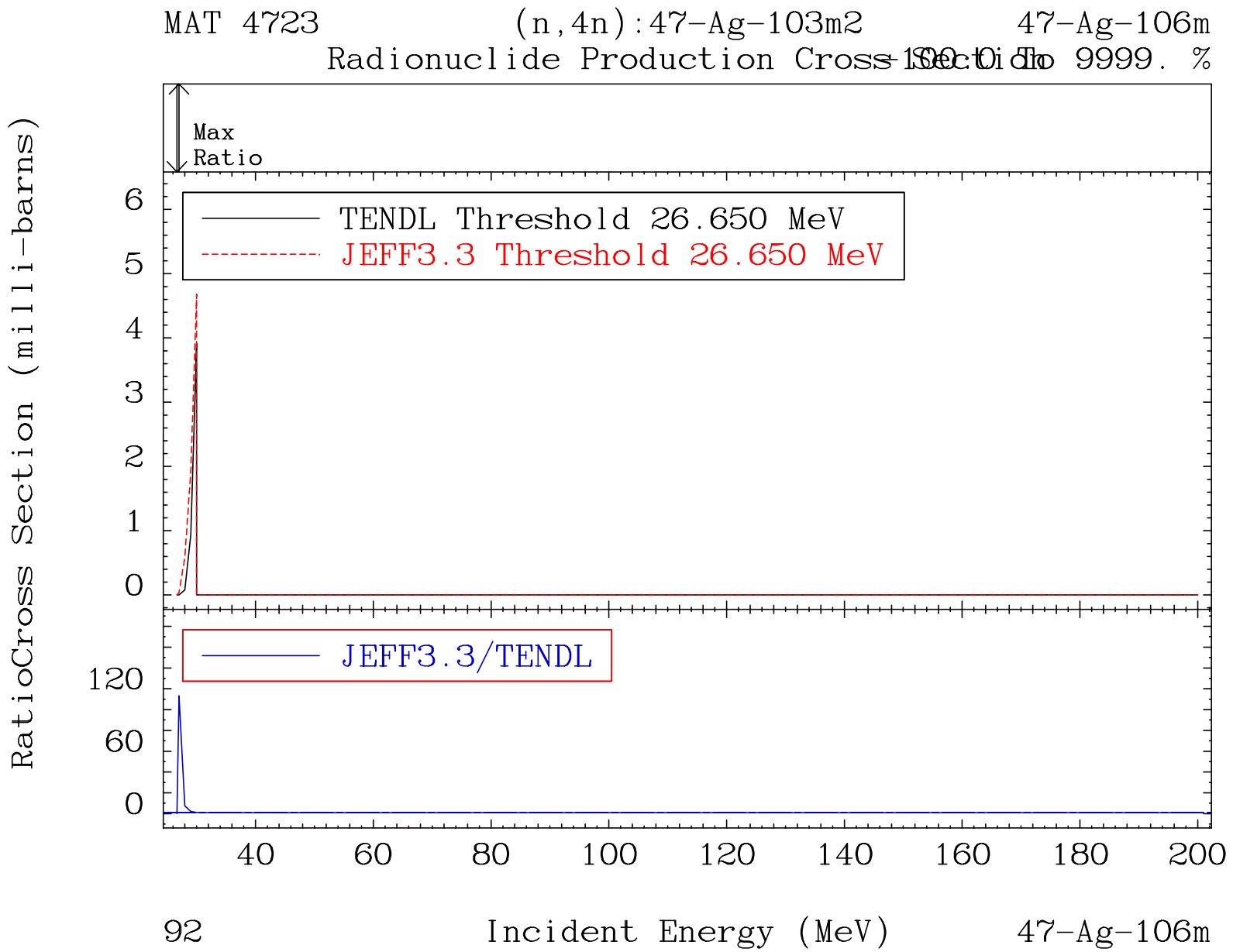

MAT 4723
(n,3n) α:45-Rh-100g
47-Ag-106m
Radionuclide Production Cross Section
100 To 9999. %
Max
Ratio
TENDL Threshold 20.018 MeV
JEFF3.3 Threshold 20.021 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
20
15
10
5
0
200
0
20
40
60
80
100
120
140
160
180
200
87
Incident Energy (MeV)
47-Ag-106m

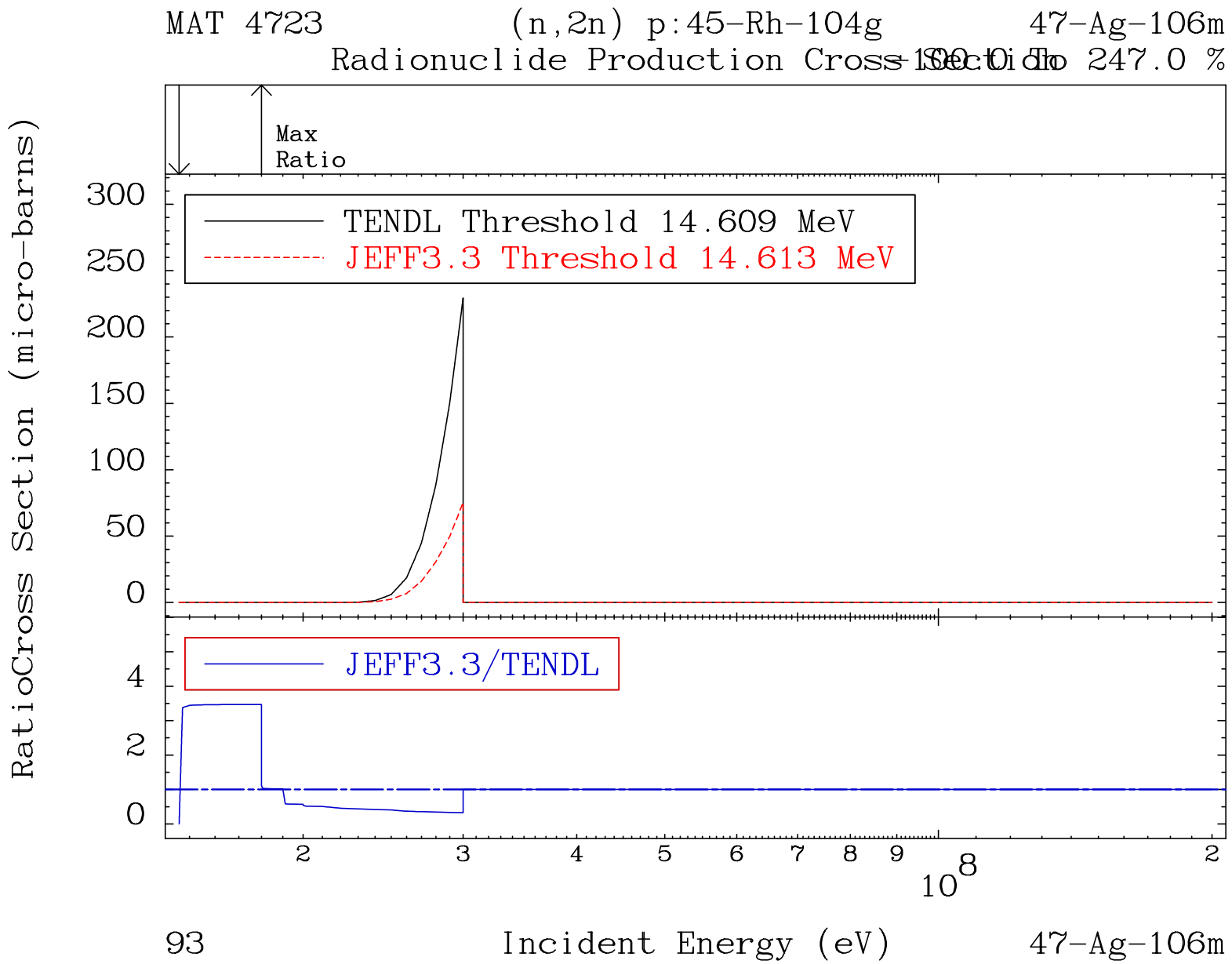

MAT 4723
(n,3n) α:45-Rh-100m4
47-Ag-106m
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 20.127 MeV
JEFF3.3 Threshold 23.000 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (MeV)
88
47-Ag-106m

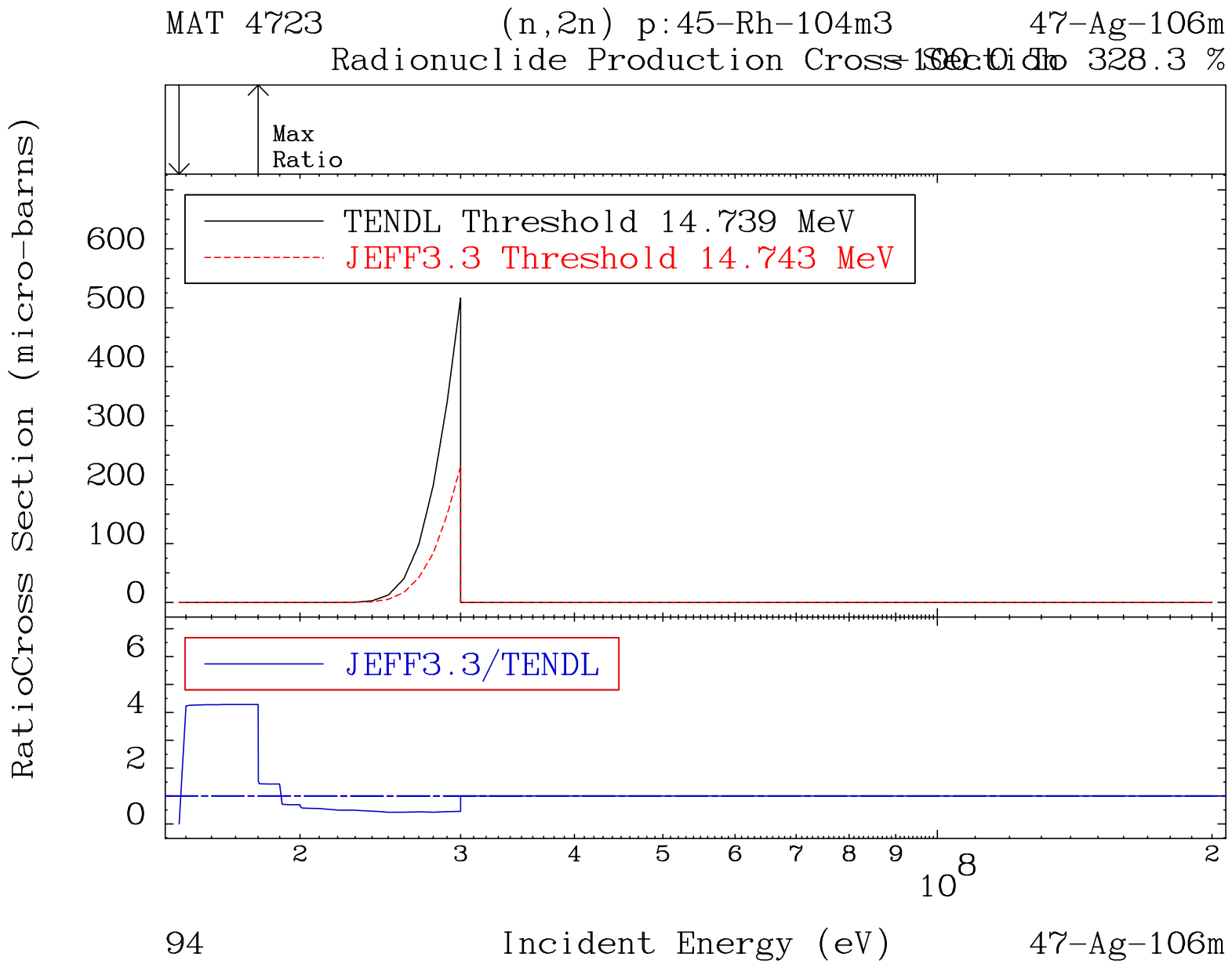

MAT 4723
(n,n') He-3:45-Rh-103g
47-Ag-106m
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 13.883 MeV
JEFF3.3 Threshold 13.887 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
160
120
80
40
0
8
4
0
2
3
4
5
6
7
8
9
2
10^8
89
Incident Energy (eV)
47-Ag-106m

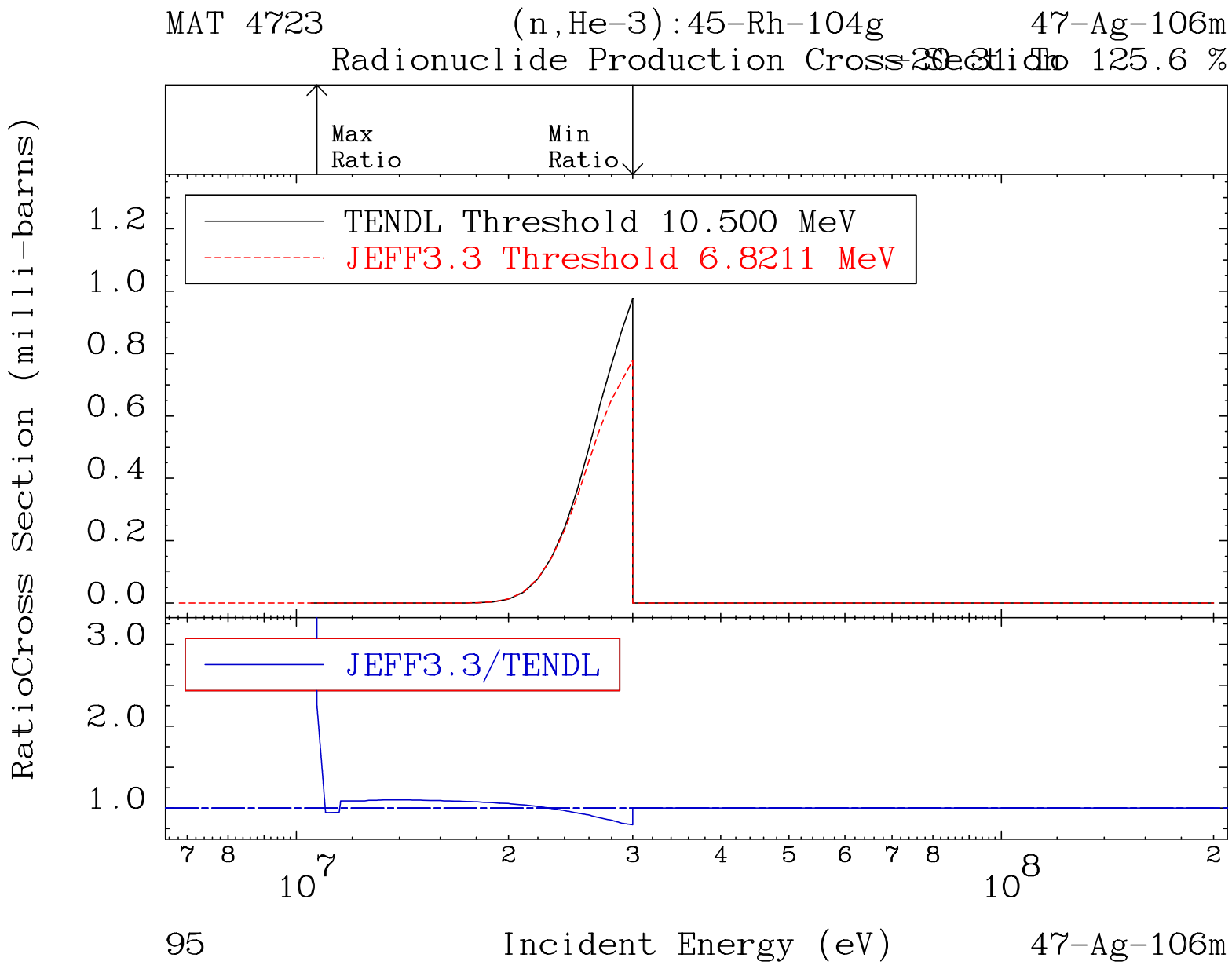

MAT 4723 (n,n') He-3:45-Rh-103m1 47-Ag-106m
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 13.923 MeV
JEFF3.3 Threshold 13.927 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.0
0.8
0.6
0.4
0.2
0.0
20
10
0
2
3
4
5
6
7
8
9
10^8
2
90
Incident Energy (eV)
47-Ag-106m

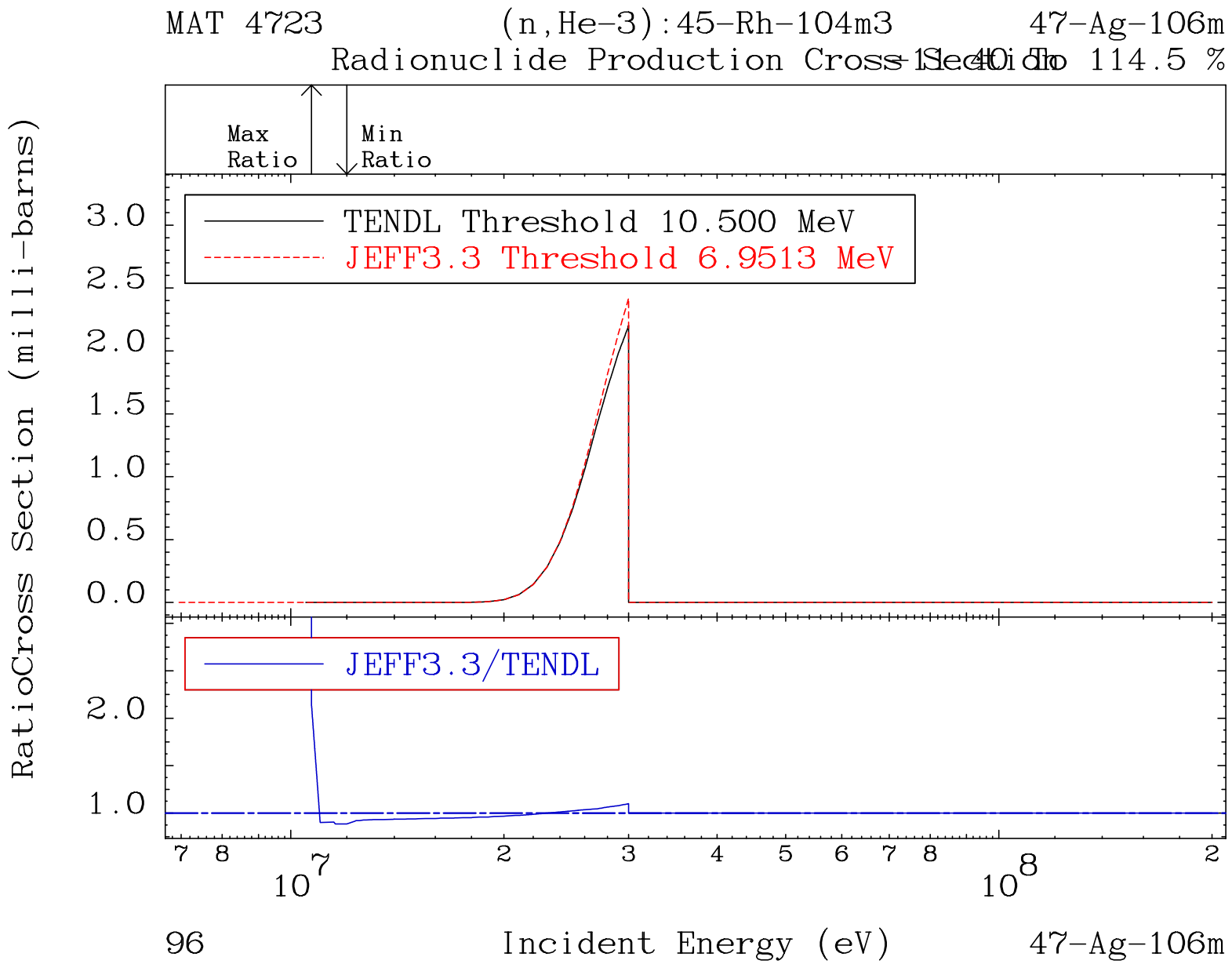

MAT 4723
(n,4n):47-Ag-103g
47-Ag-106m
Radionuclide Production Cross Section To 3312. %
Max
Ratio
TENDL Threshold 26.514 MeV
JEFF3.3 Threshold 26.514 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
40
20
0
40
60
80
100
120
140
160
180
200
91
Incident Energy (MeV)
47-Ag-106m

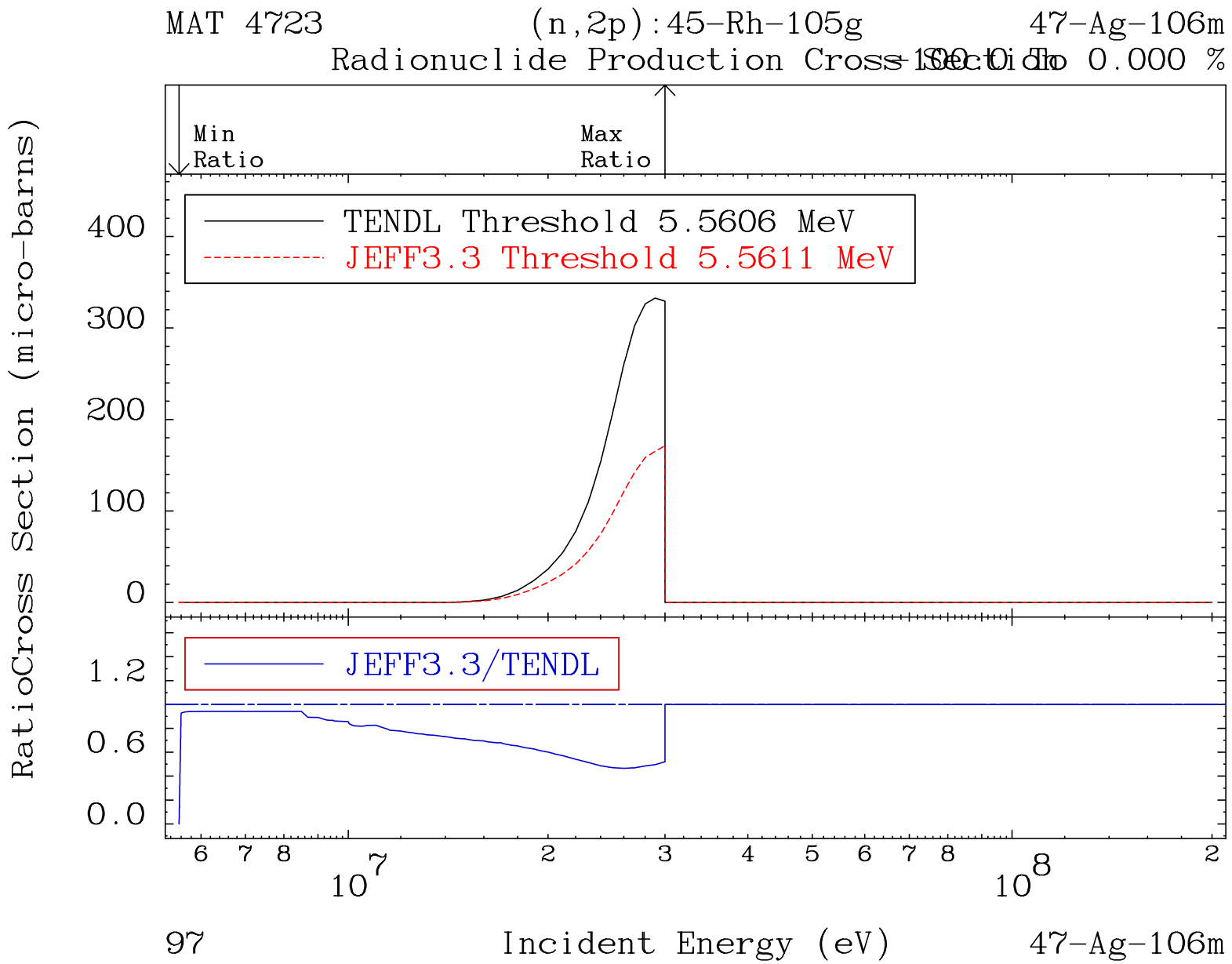

MAT 4723
(n,4n):47-Ag-103m2
47-Ag-106m
Radionuclide Production Cross Section
100.0 To 9999. %
Max
Ratio
TENDL Threshold 26.650 MeV
JEFF3.3 Threshold 26.650 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
0
1
2
3
4
5
6
0
60
120
40
60
80
100
120
140
160
180
200
92
Incident Energy (MeV)
47-Ag-106m

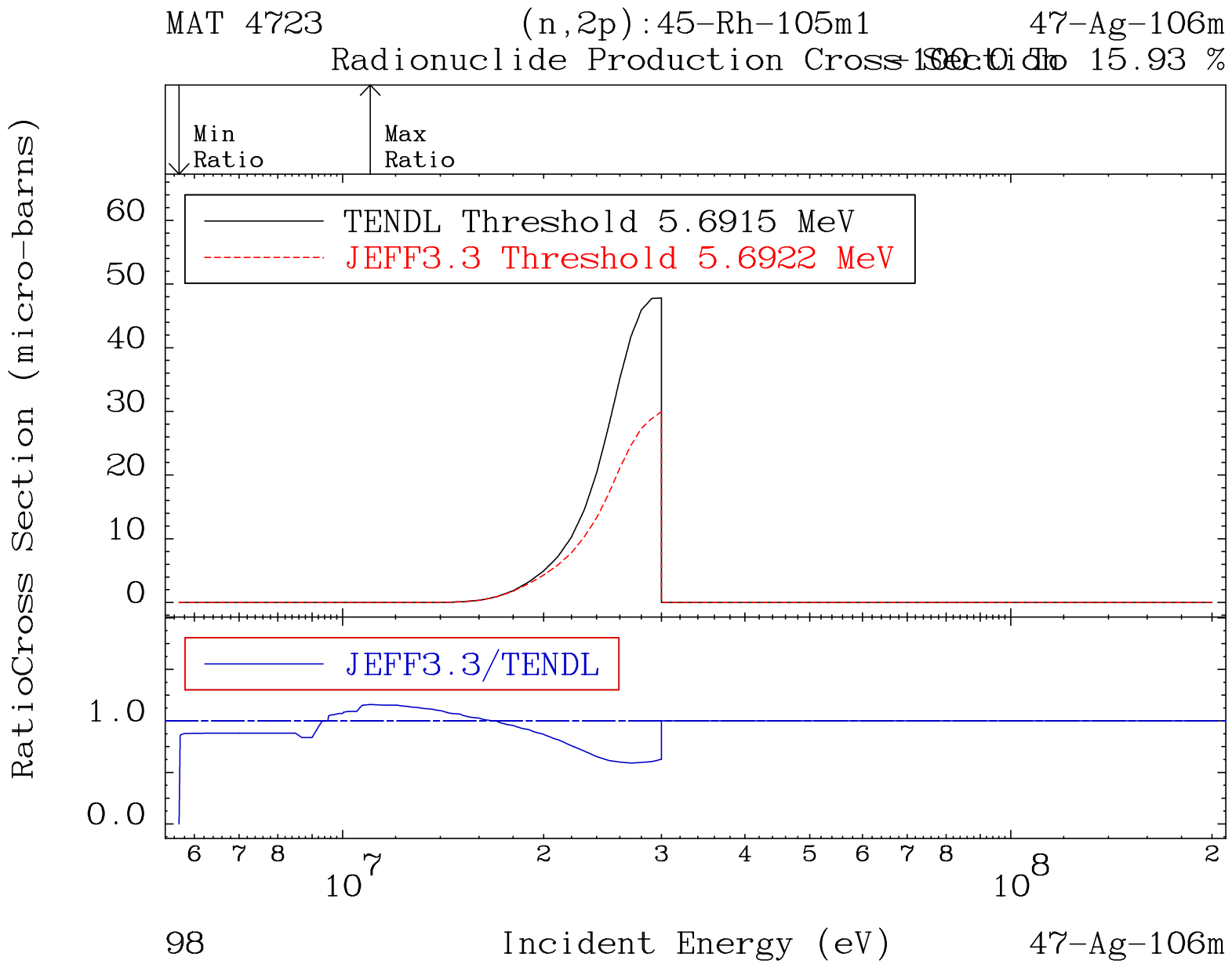

MAT 4723
(n,2n) p:45-Rh-104g
47-Ag-106m
Radionuclide Production Cross Section To 247.0 %
Max
Ratio
TENDL Threshold 14.609 MeV
JEFF3.3 Threshold 14.613 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
300
250
200
150
100
50
0
4
2
0
2
3
4
5
6
7
8
9
10^8
2
93
Incident Energy (eV)
47-Ag-106m

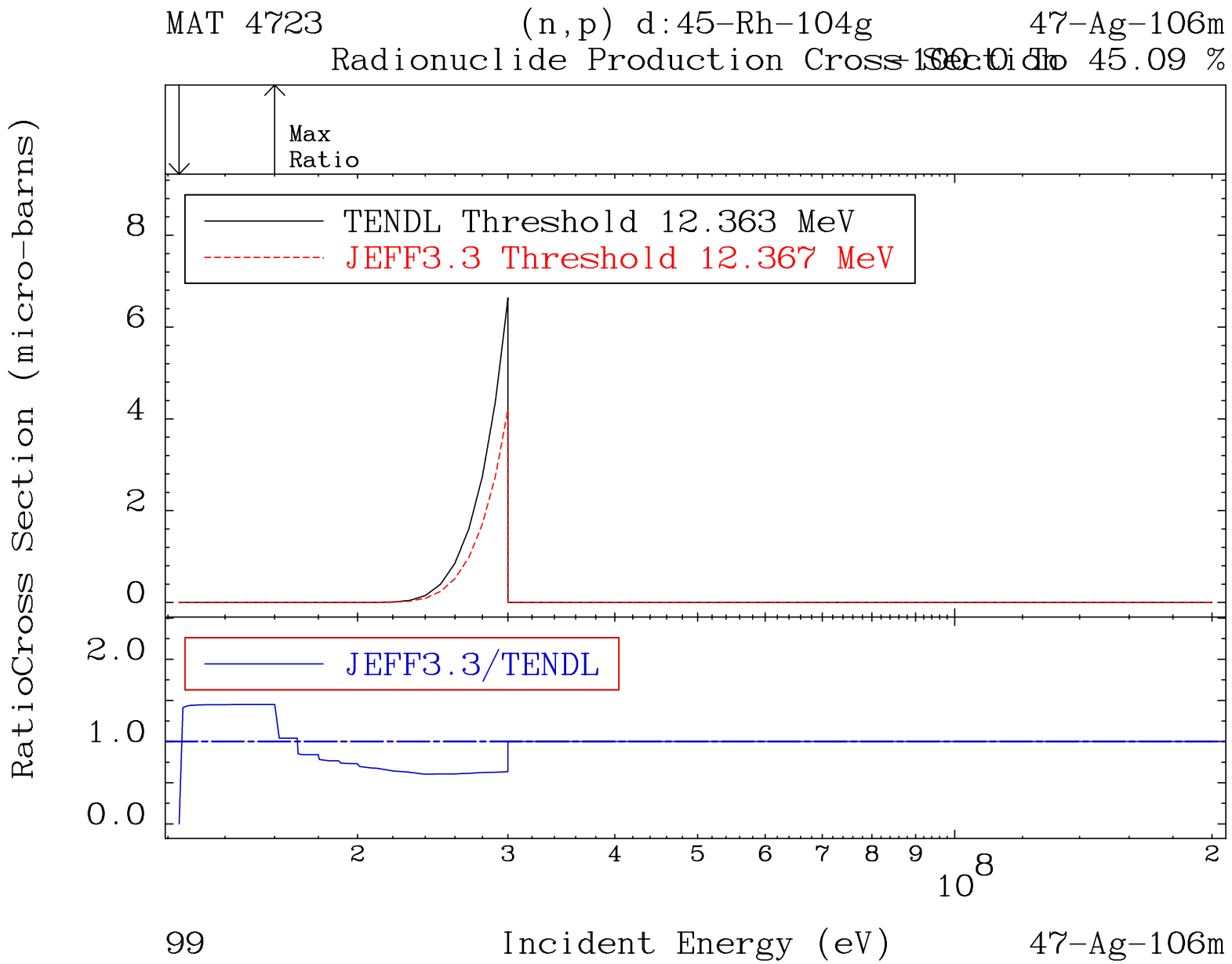

MAT 4723
(n,2n) p:45-Rh-104m3
47-Ag-106m
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 14.739 MeV
JEFF3.3 Threshold 14.743 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
600
500
400
300
200
100
0
6
4
2
0
2
3
4
5
6
7
8
9
10^8
2
94
Incident Energy (eV)
47-Ag-106m

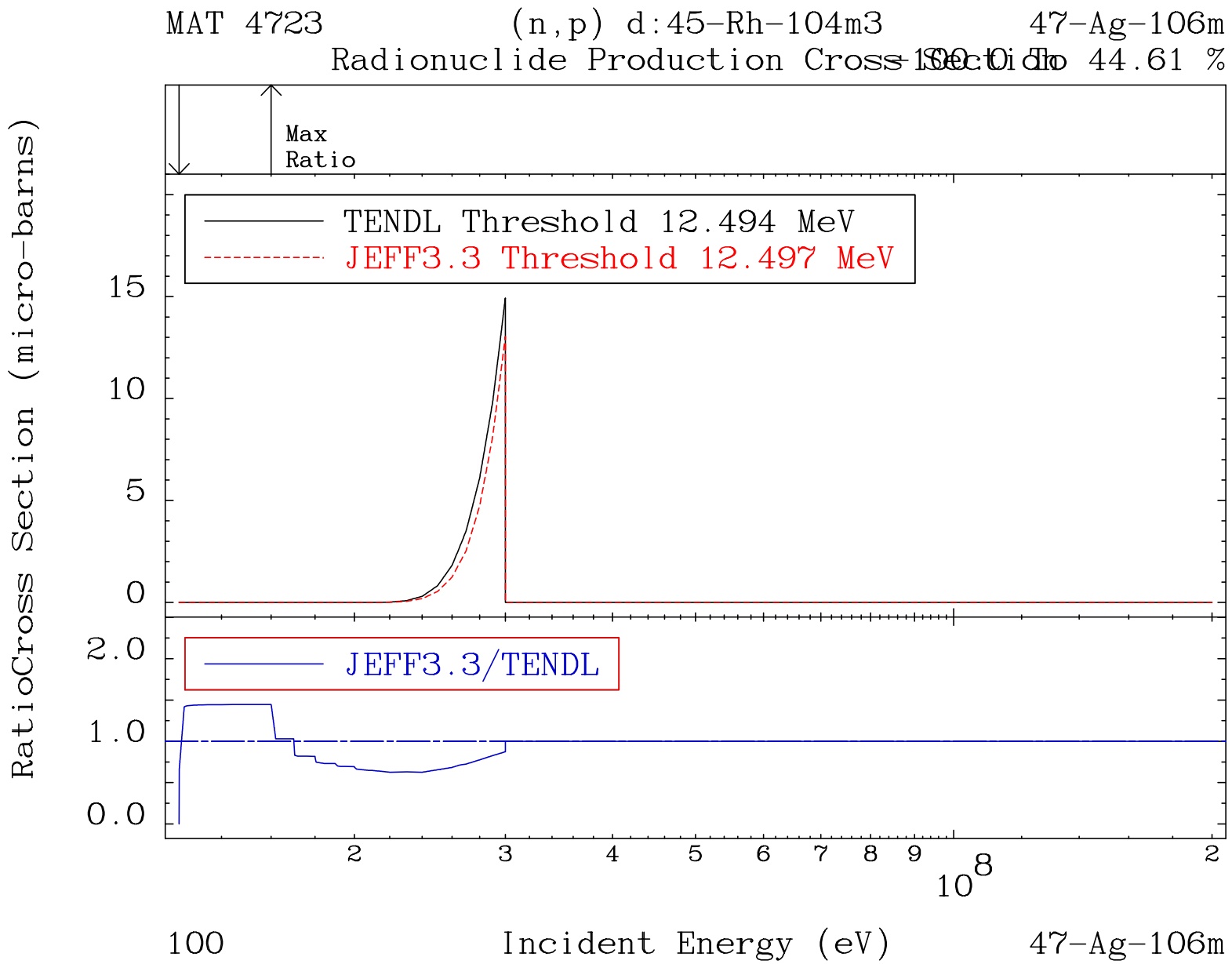

MAT 4723
(n,He-3):45-Rh-104g
47-Ag-106m
Radionuclide Production Cross Section To 125.6 %
Max Ratio
Min Ratio
TENDL Threshold 10.500 MeV
JEFF3.3 Threshold 6.8211 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
3.0
2.0
1.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
95
Incident Energy (eV)
47-Ag-106m

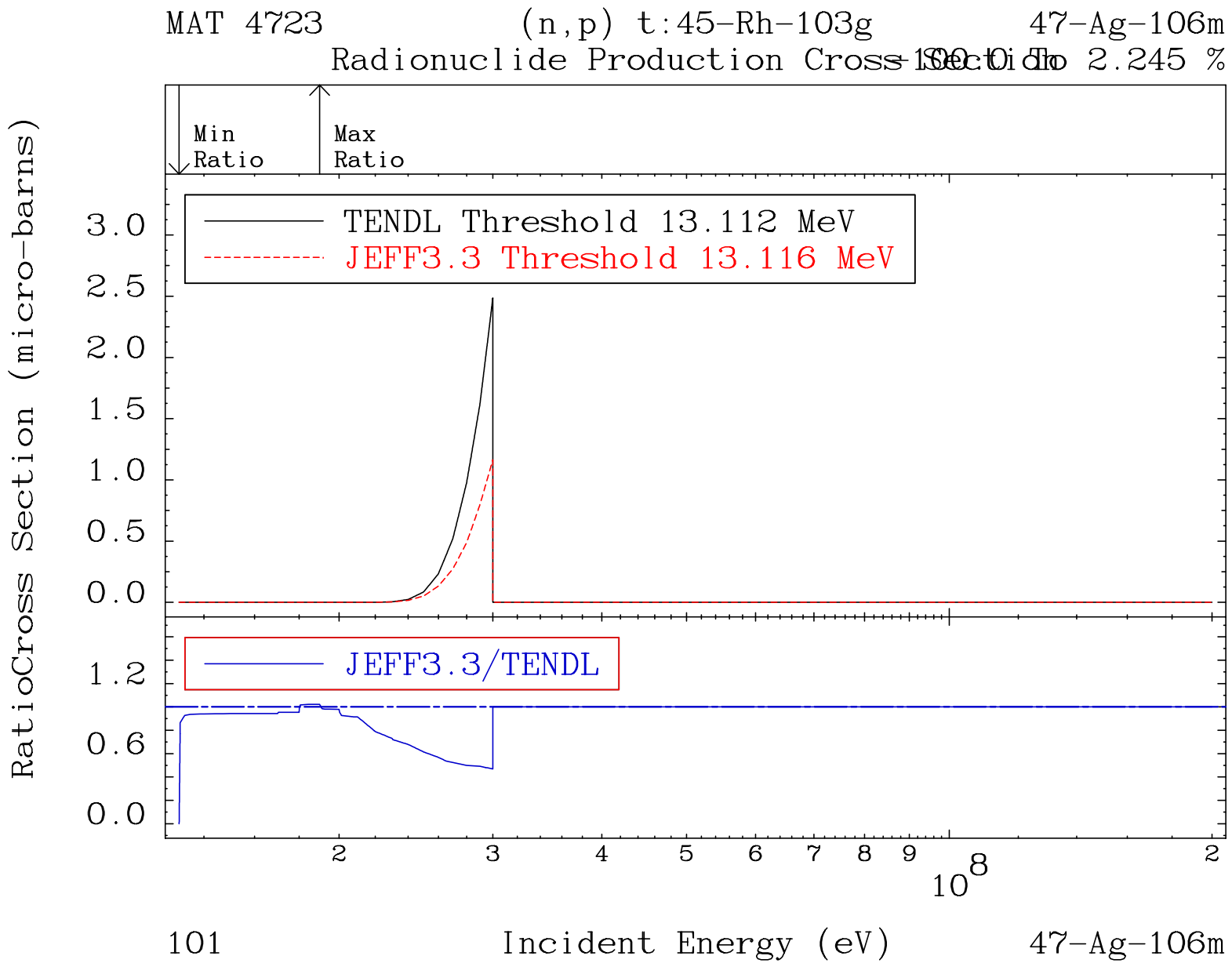

MAT 4723
(n,He-3):45-Rh-104m3
47-Ag-106m
Radionuclide Production Cross Section To 114.5 %
Max Ratio
Min Ratio
TENDL Threshold 10.500 MeV
JEFF3.3 Threshold 6.9513 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
2.0
1.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
96
Incident Energy (eV)
47-Ag-106m

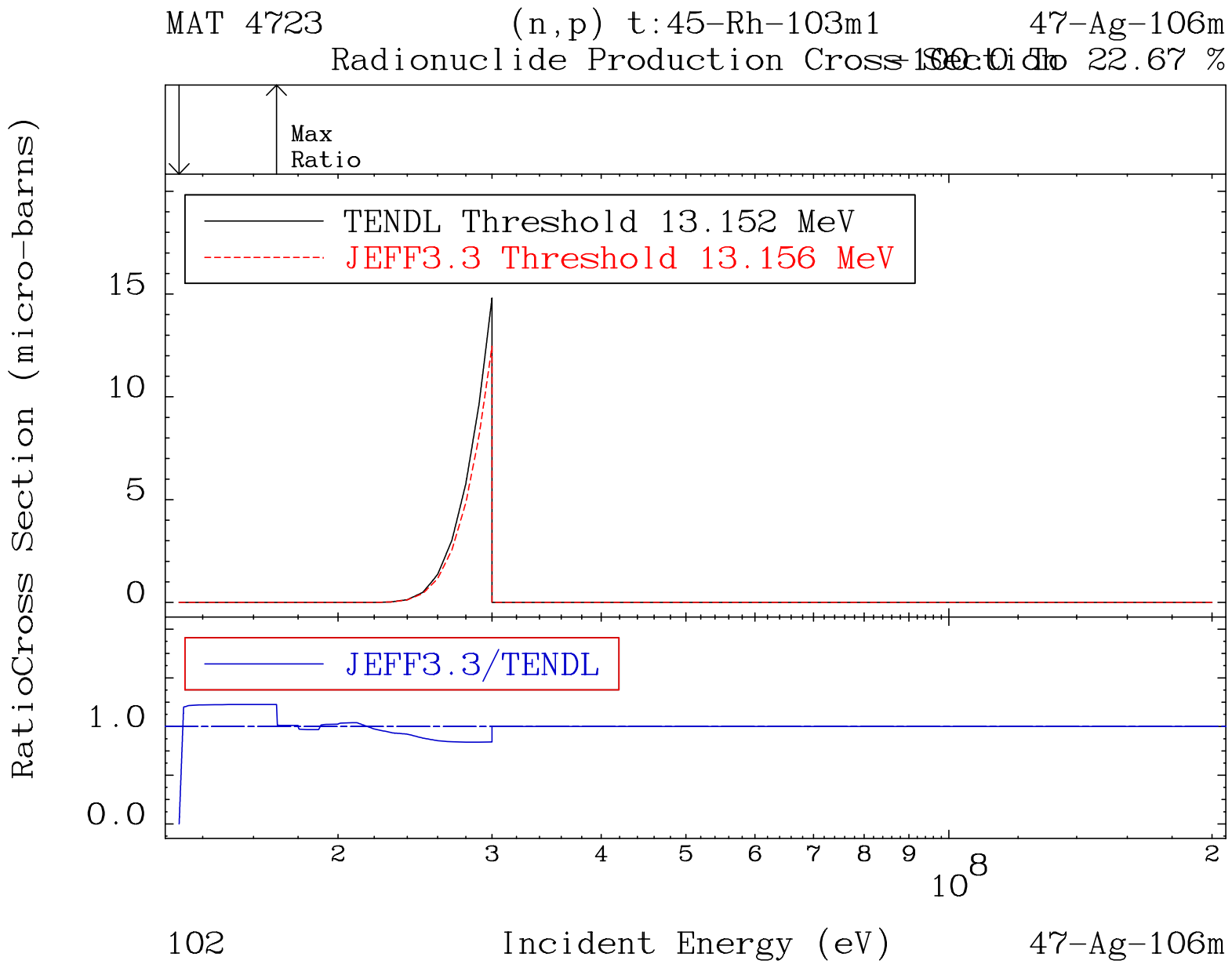

MAT 4723
(n,2p):45-Rh-105g
47-Ag-106m
Radionuclide Production Cross Section
Uncertainty 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 5.5606 MeV
JEFF3.3 Threshold 5.5611 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
400
300
200
100
0
1.2
0.6
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
97
Incident Energy (eV)
47-Ag-106m


MAT 4723
(n,2p):45-Rh-105m1
47-Ag-106m
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 5.6915 MeV
JEFF3.3 Threshold 5.6922 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
98
47-Ag-106m


MAT 4723
(n,p) d:45-Rh-104g
47-Ag-106m
Radionuclide Production Cross Section To 45.09 %
Max
Ratio
TENDL Threshold 12.363 MeV
JEFF3.3 Threshold 12.367 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
99
47-Ag-106m


MAT 4723
(n,p) d:45-Rh-104m3
47-Ag-106m
Radionuclide Production Cross Section To 44.61 %
Max
Ratio
TENDL Threshold 12.494 MeV
JEFF3.3 Threshold 12.497 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
15
10
5
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
100
Incident Energy (eV)
47-Ag-106m


MAT 4723
(n,p) t:45-Rh-103g
47-Ag-106m
Radionuclide Production Cross Section To 2.245 %
Min Ratio
Max Ratio
TENDL Threshold 13.112 MeV
JEFF3.3 Threshold 13.116 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
2
10^8
101
Incident Energy (eV)
47-Ag-106m


MAT 4723
(n,p) t:45-Rh-103m1
47-Ag-106m
Radionuclide Production Cross Section To 22.67 %
Max
Ratio
TENDL Threshold 13.152 MeV
JEFF3.3 Threshold 13.156 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
15
10
5
0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
102
Incident Energy (eV)
47-Ag-106m