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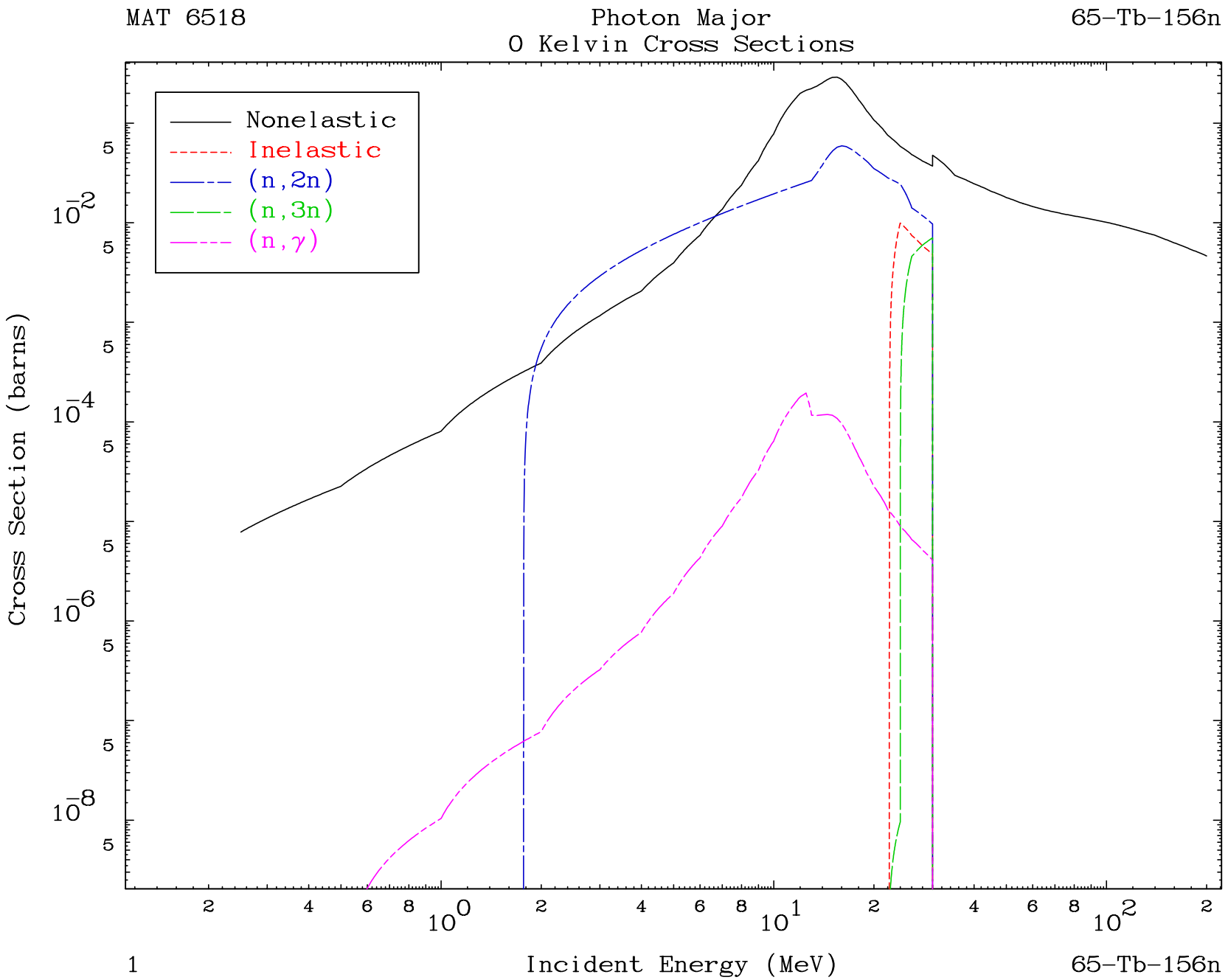
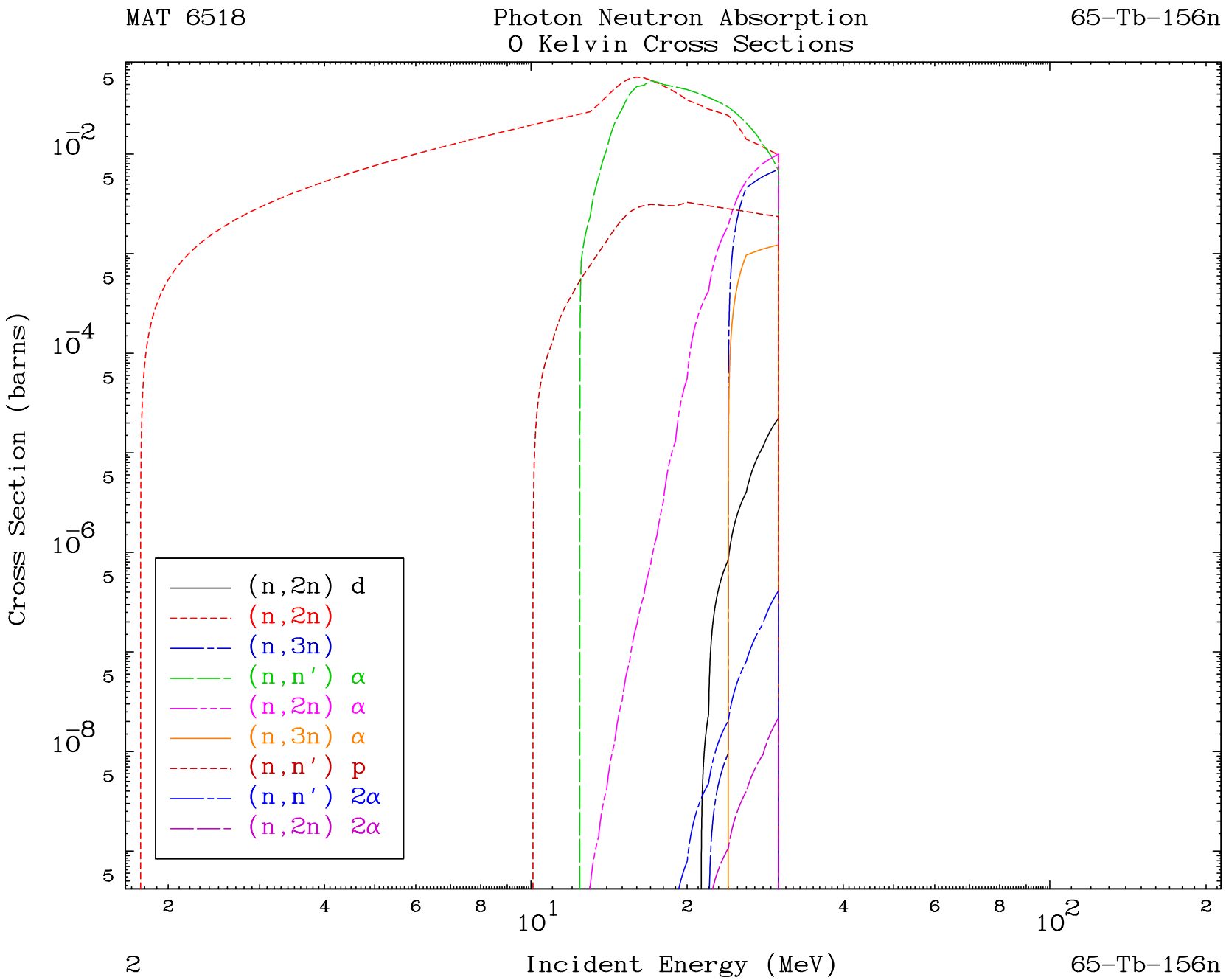
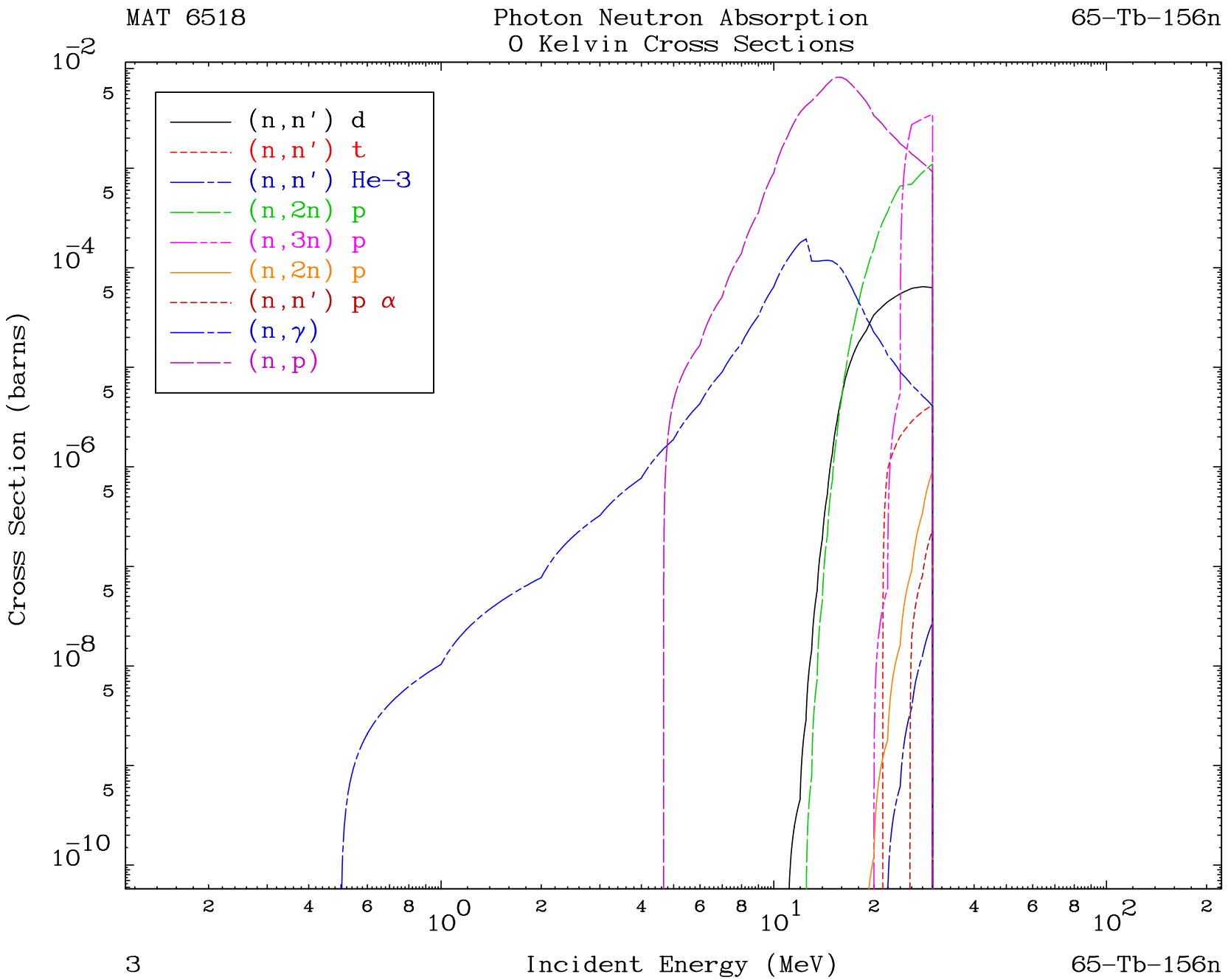
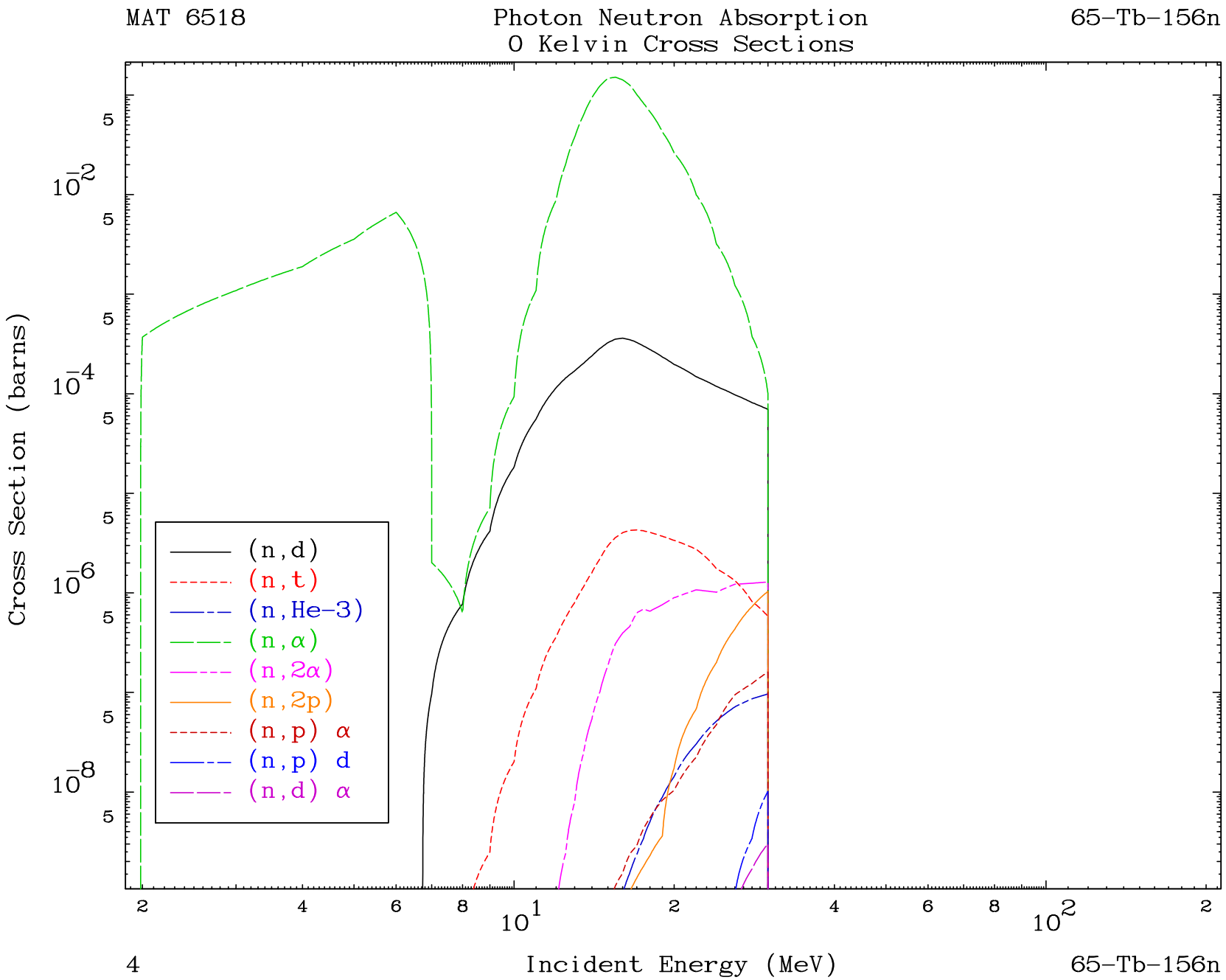
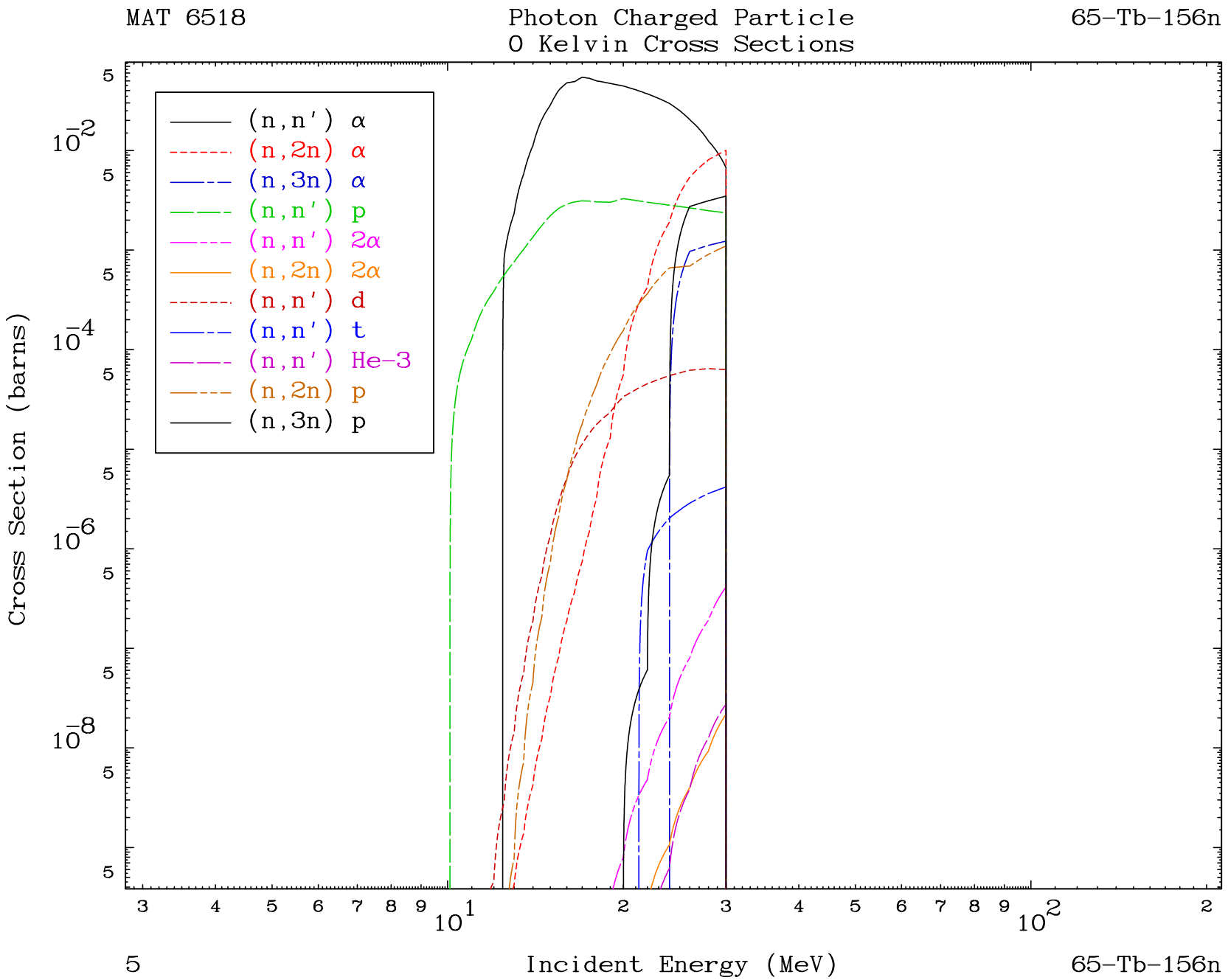
Press Mouse Button to Start

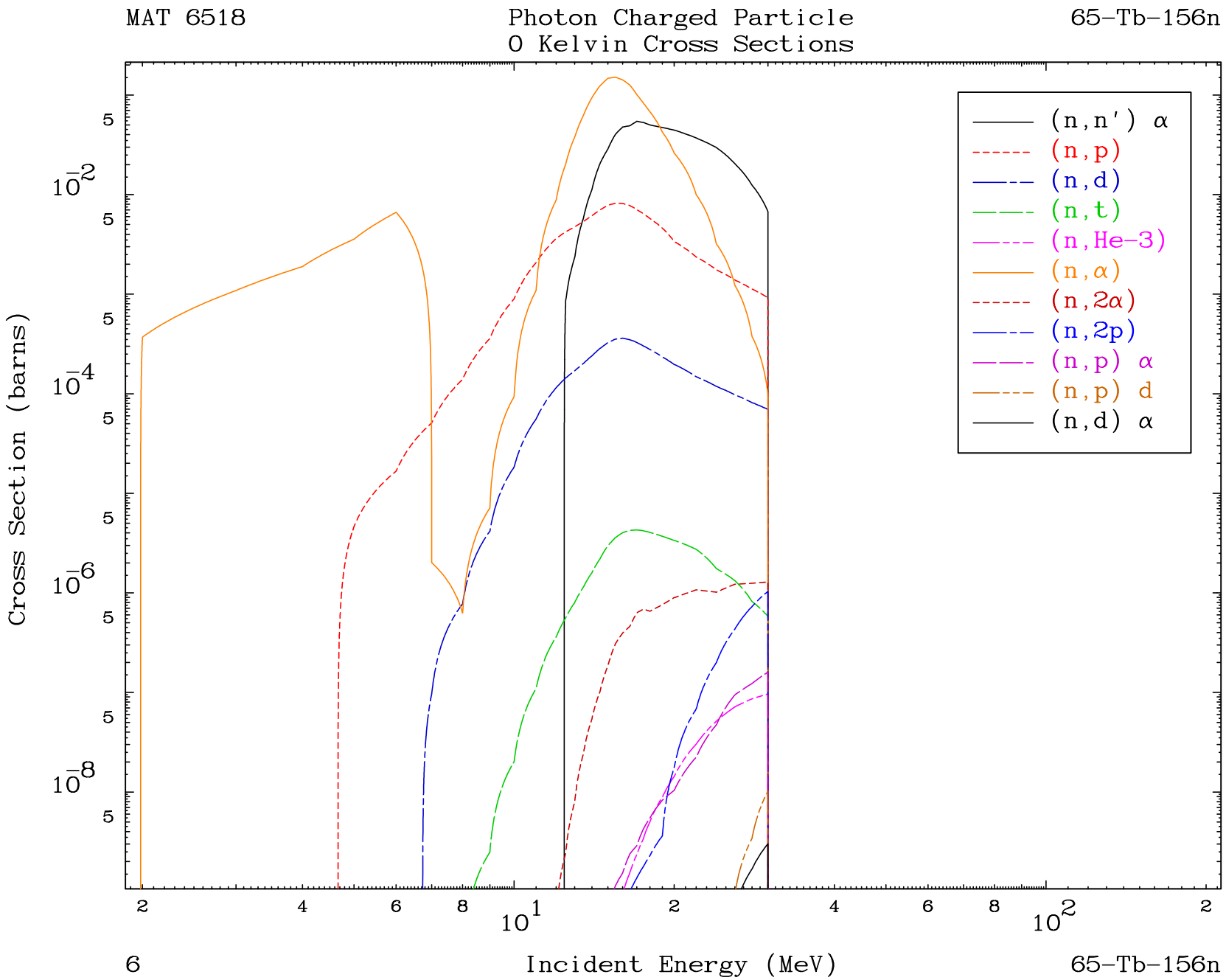

MAT 6518
Photon Major
65-Tb-156n
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
1
65-Tb-156n

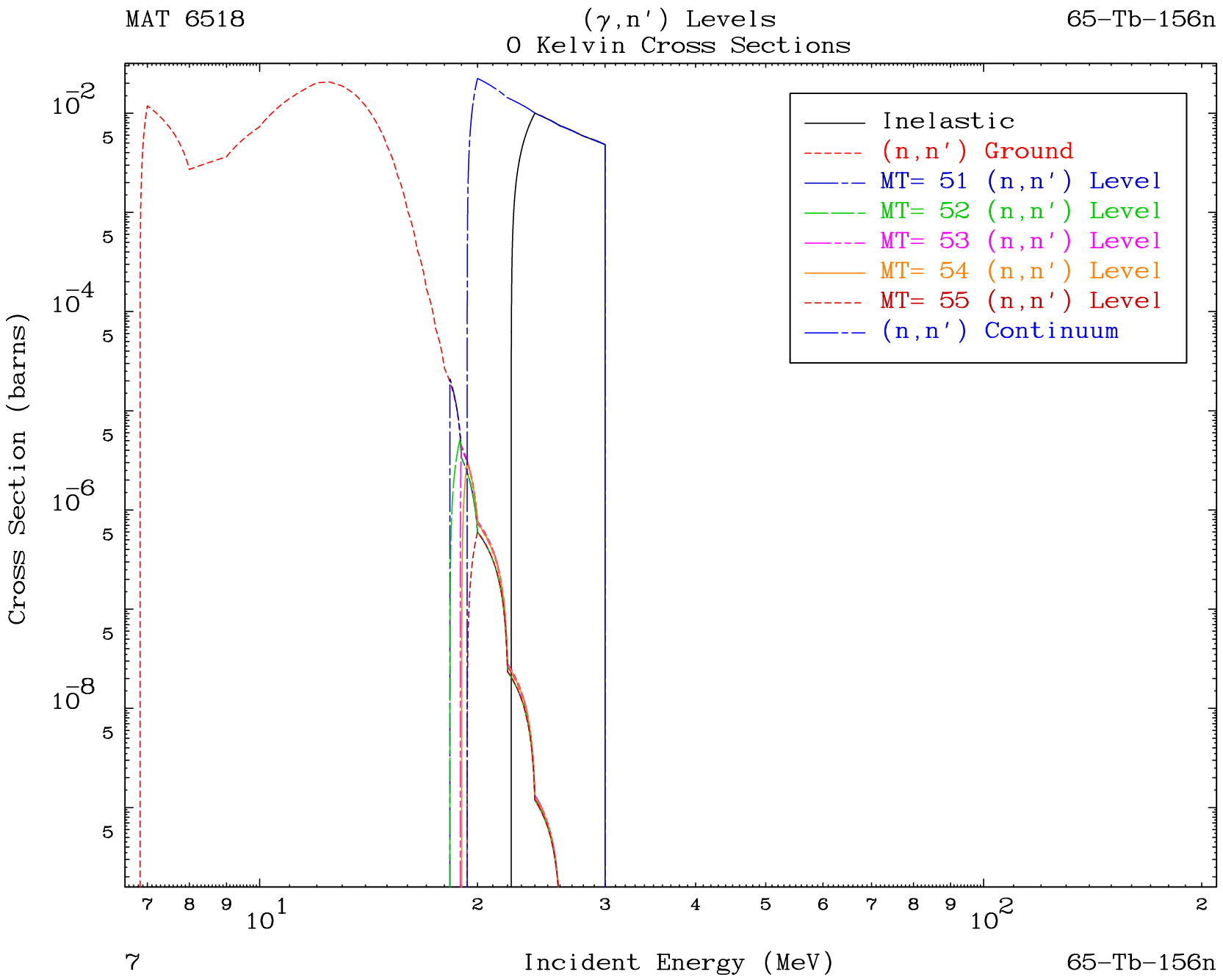

MAT 6518
Photon Neutron Absorption
0 Kelvin Cross Sections
65-Tb-156n
Cross Section (barns)
Incident Energy (MeV)
65-Tb-156n
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α

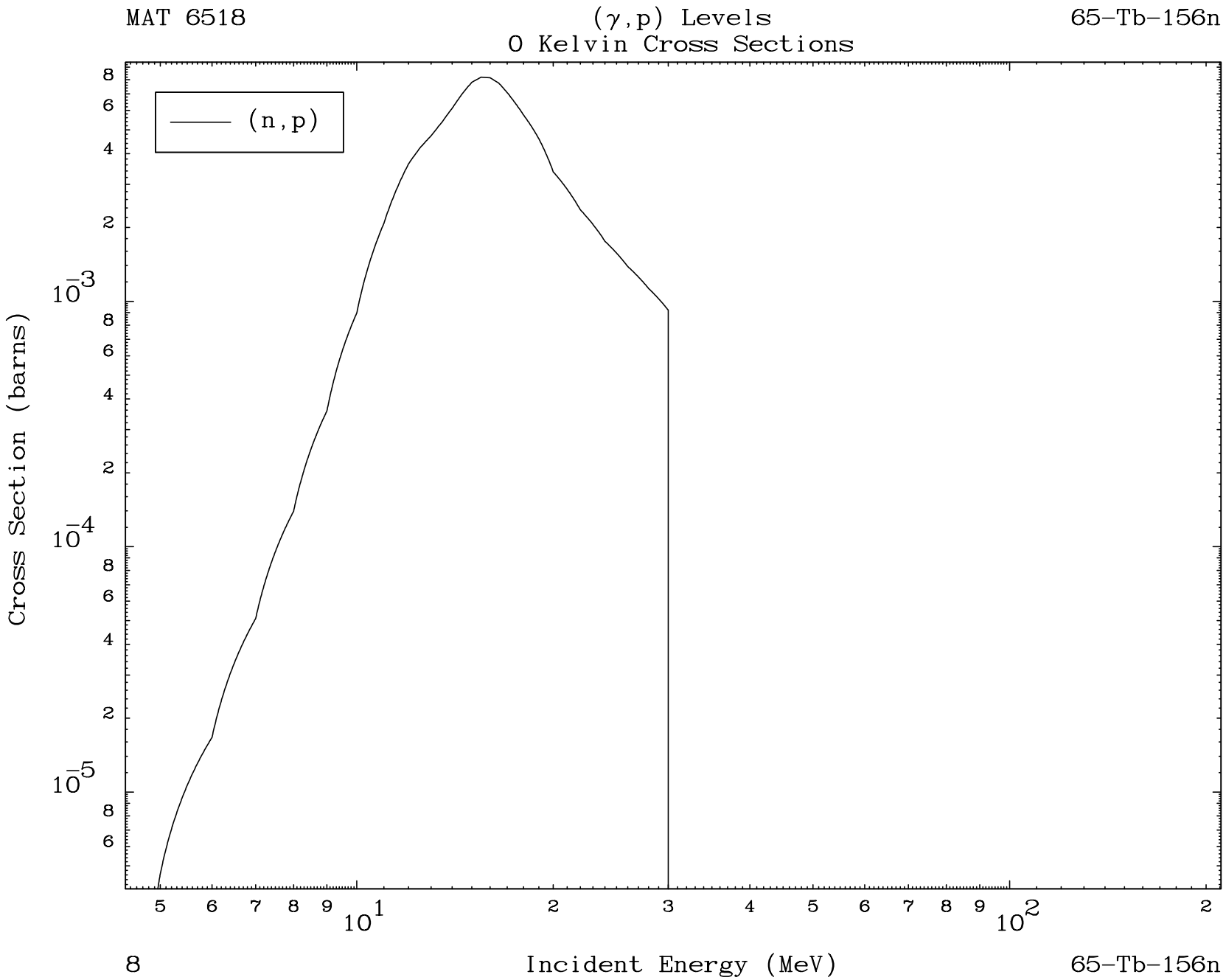

MAT 6518
Photon Neutron Absorption
0 Kelvin Cross Sections
65-Tb-156n
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
Cross Section (barns)
Incident Energy (MeV)
3
65-Tb-156n

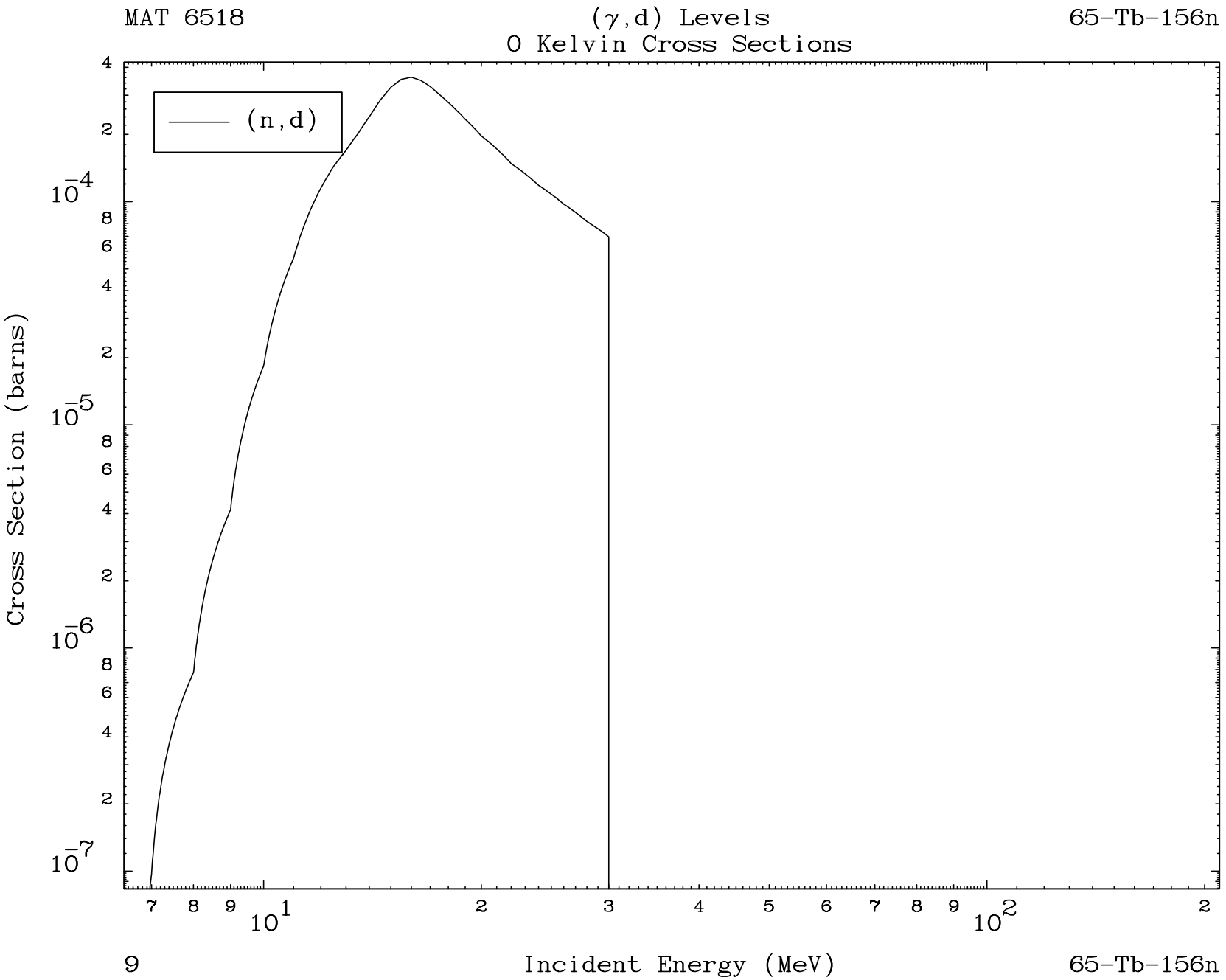

MAT 6518
Photon Neutron Absorption
0 Kelvin Cross Sections
65-Tb-156n
Cross Section (barns)
10-2
10-4
10-6
10-8
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,d) α
2
4
6
8
10 1
2
4
6
8
10 2
2
Incident Energy (MeV)
65-Tb-156n

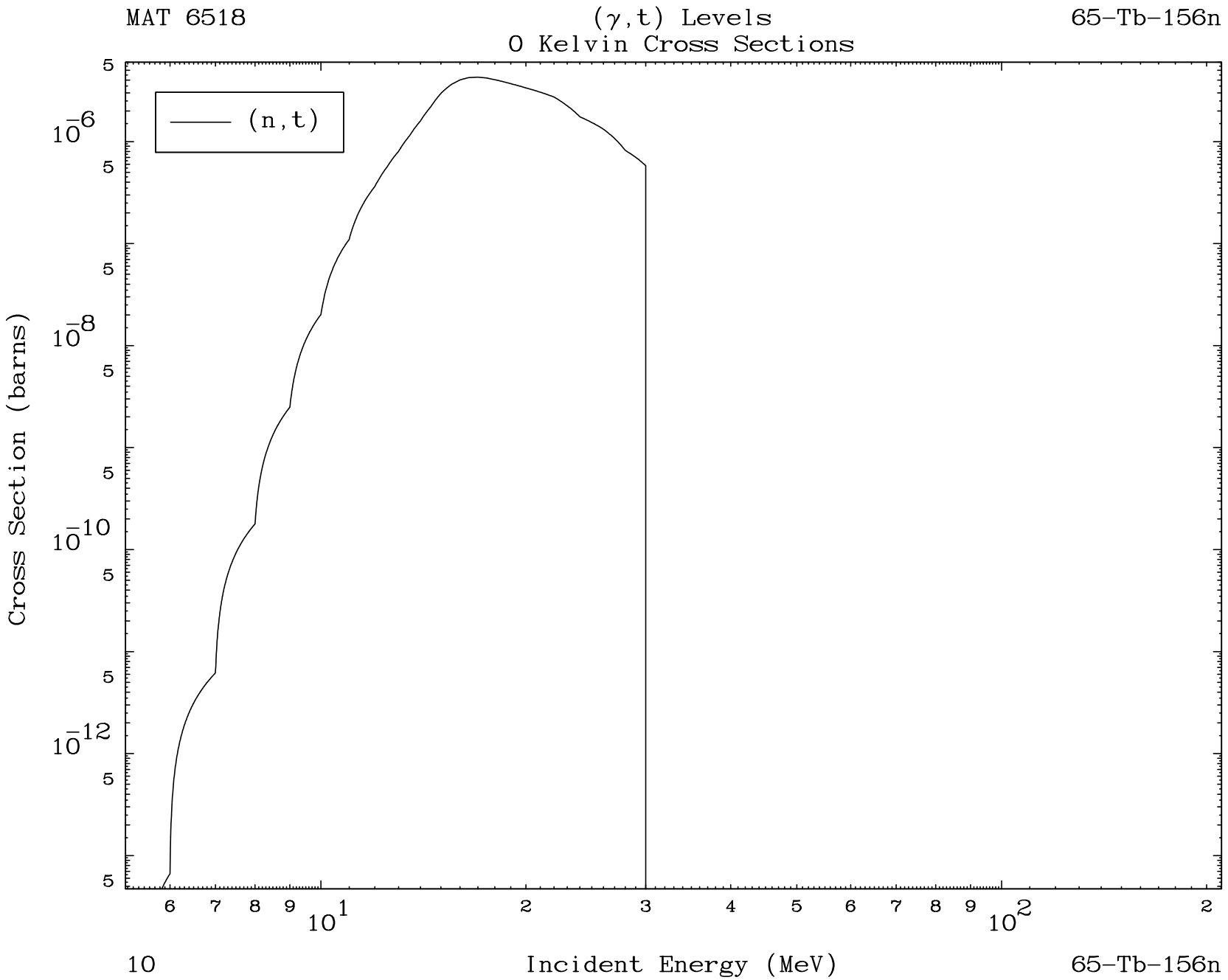

MAT 6518
Photon Charged Particle
0 Kelvin Cross Sections
65-Tb-156n
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
Cross Section (barns)
Incident Energy (MeV)
65-Tb-156n

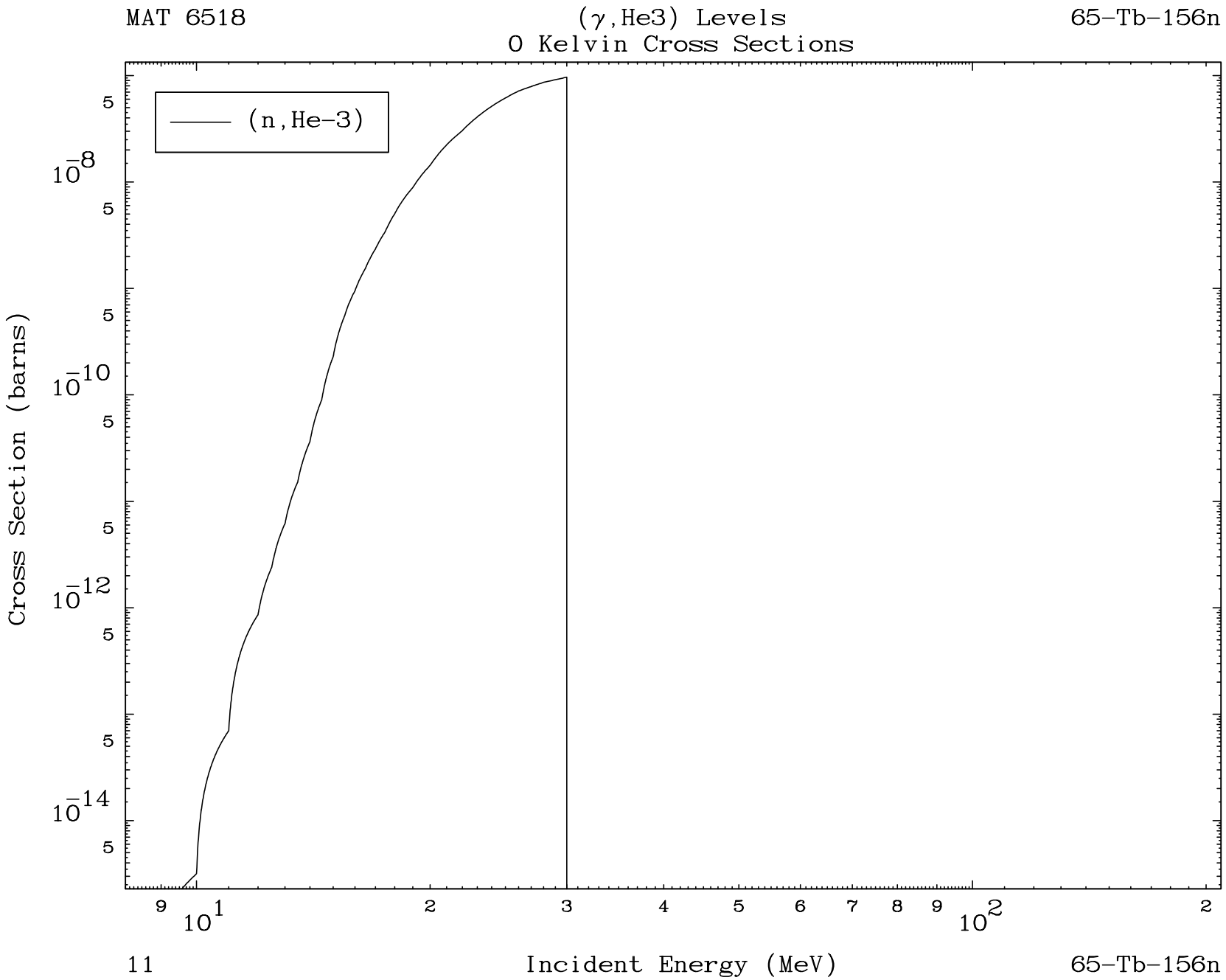

MAT 6518
Photon Charged Particle
0 Kelvin Cross Sections
65-Tb-156n
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
4
6
8
101
102
Incident Energy (MeV)
(n,n') α
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,d) α
6
65-Tb-156n

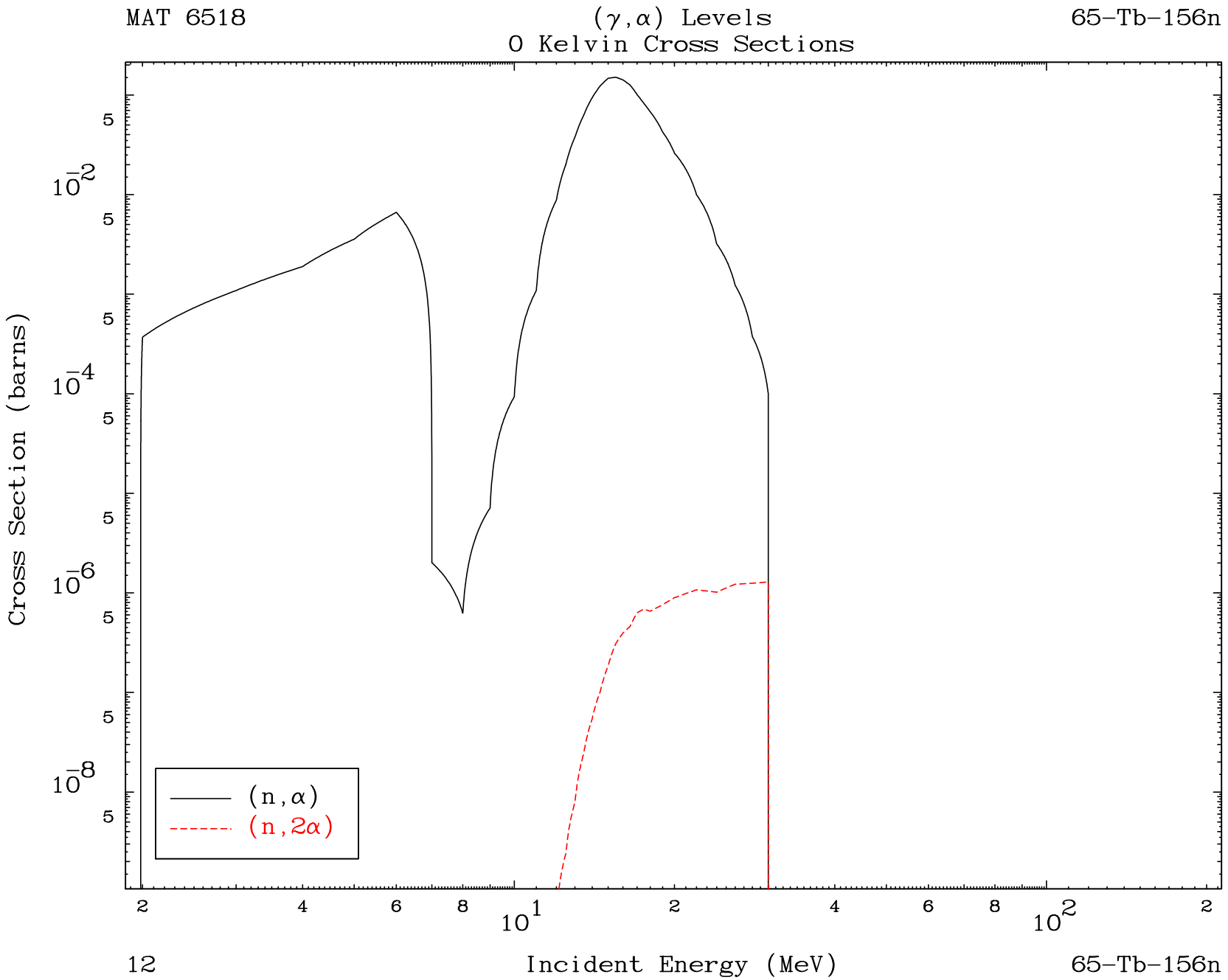

MAT 6518
(γ,n') Levels
0 Kelvin Cross Sections
65-Tb-156n
Cross Section (barns)
Incident Energy (MeV)
65-Tb-156n
Inelastic
(n,n') Ground
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
(n,n') Continuum

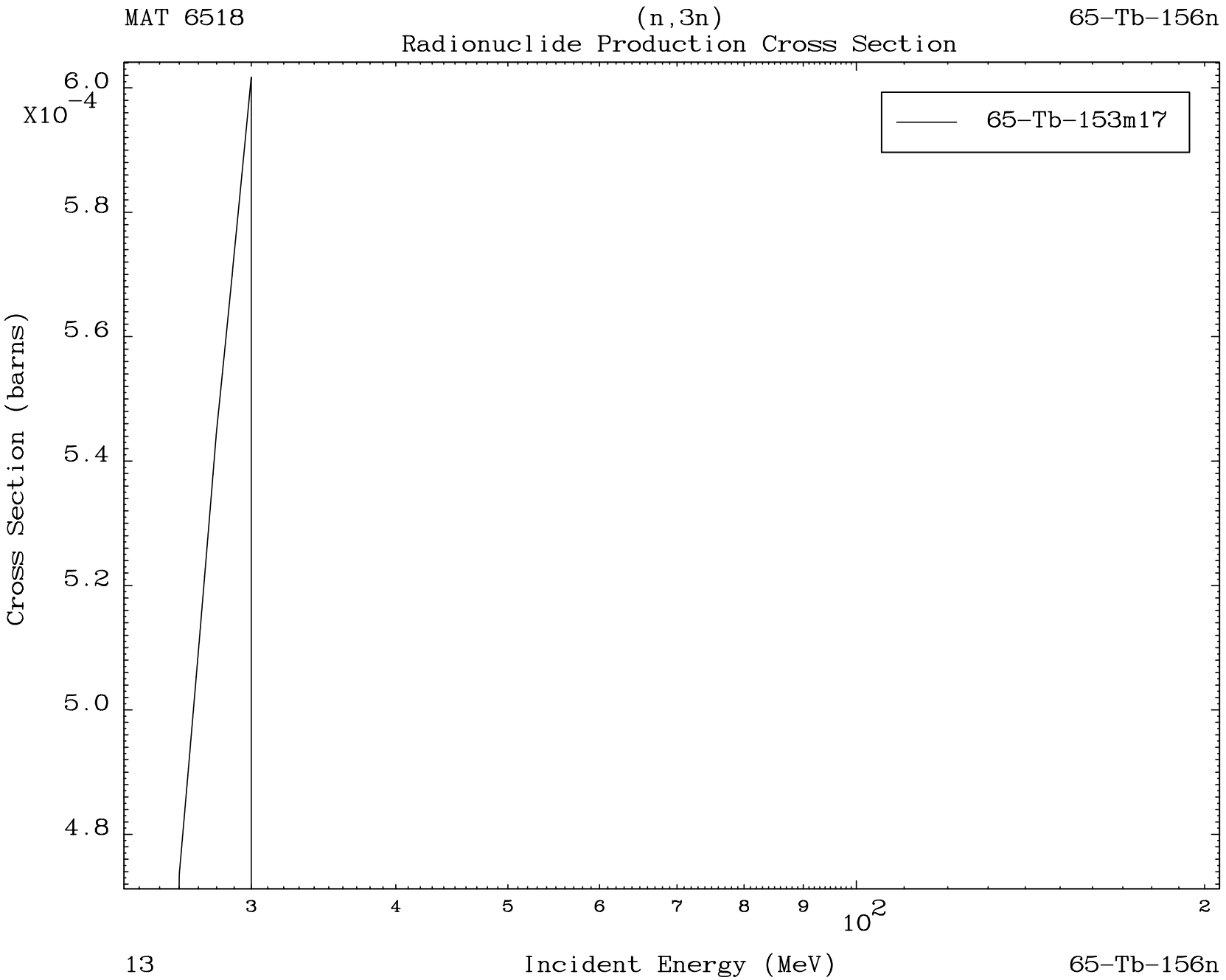

MAT 6518
(γ,p) Levels
65-Tb-156n
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-3
10-4
10-5
10 1
10 2
Incident Energy (MeV)
8
65-Tb-156n

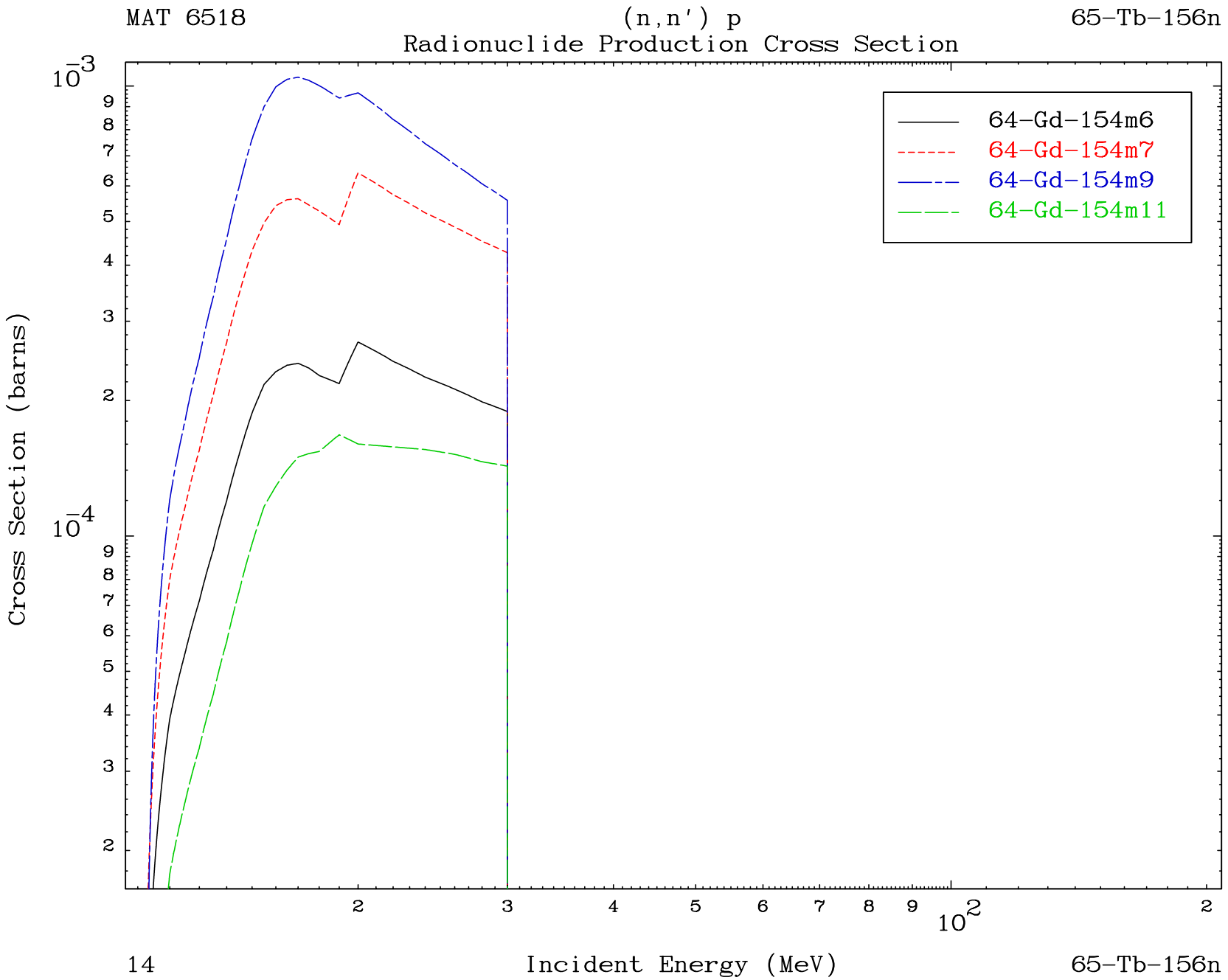

MAT 6518
(γ,d) Levels
65-Tb-156n
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
9
65-Tb-156n

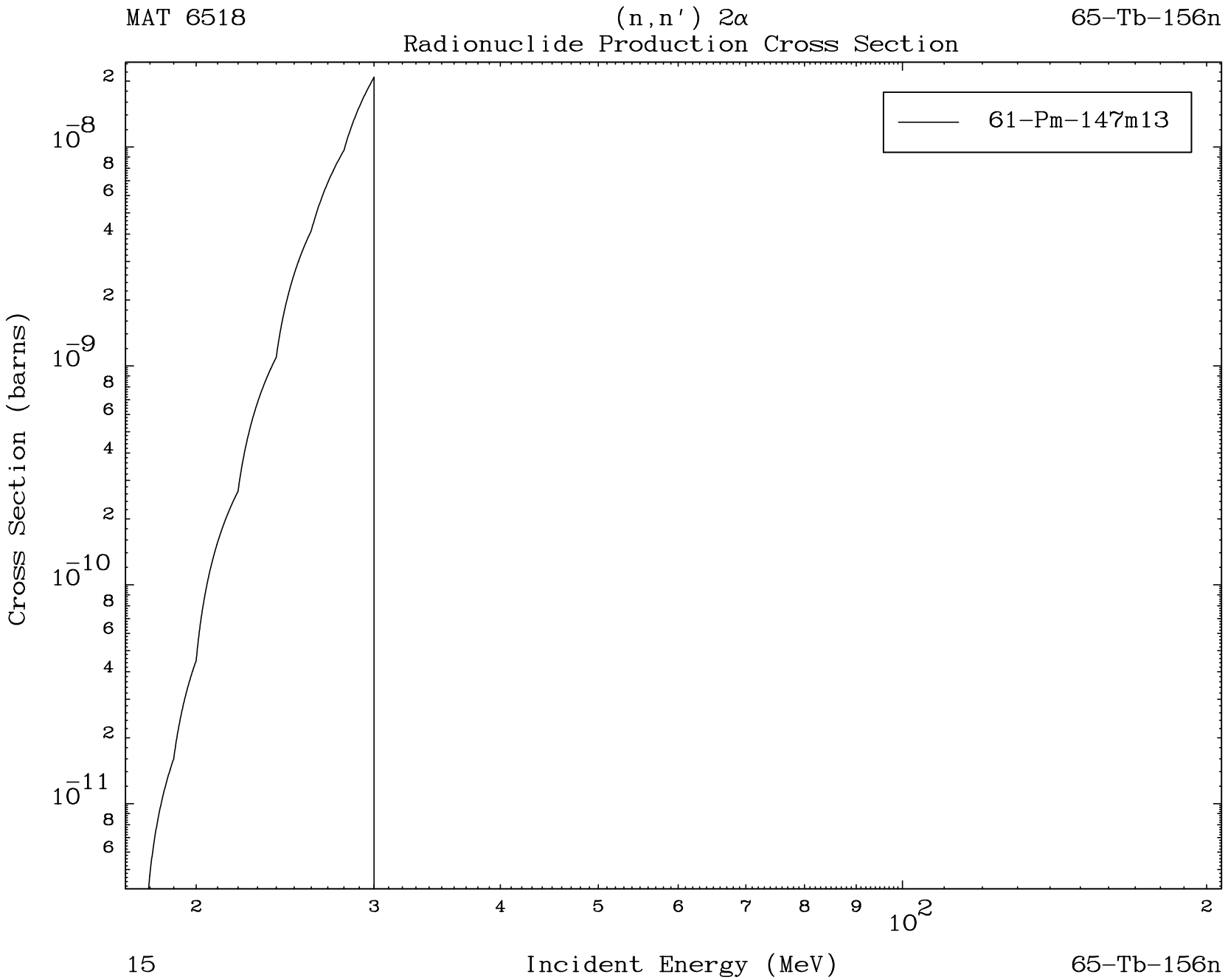

MAT 6518
(γ,t) Levels
65-Tb-156n
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
10^1
10^2
10
Incident Energy (MeV)
65-Tb-156n

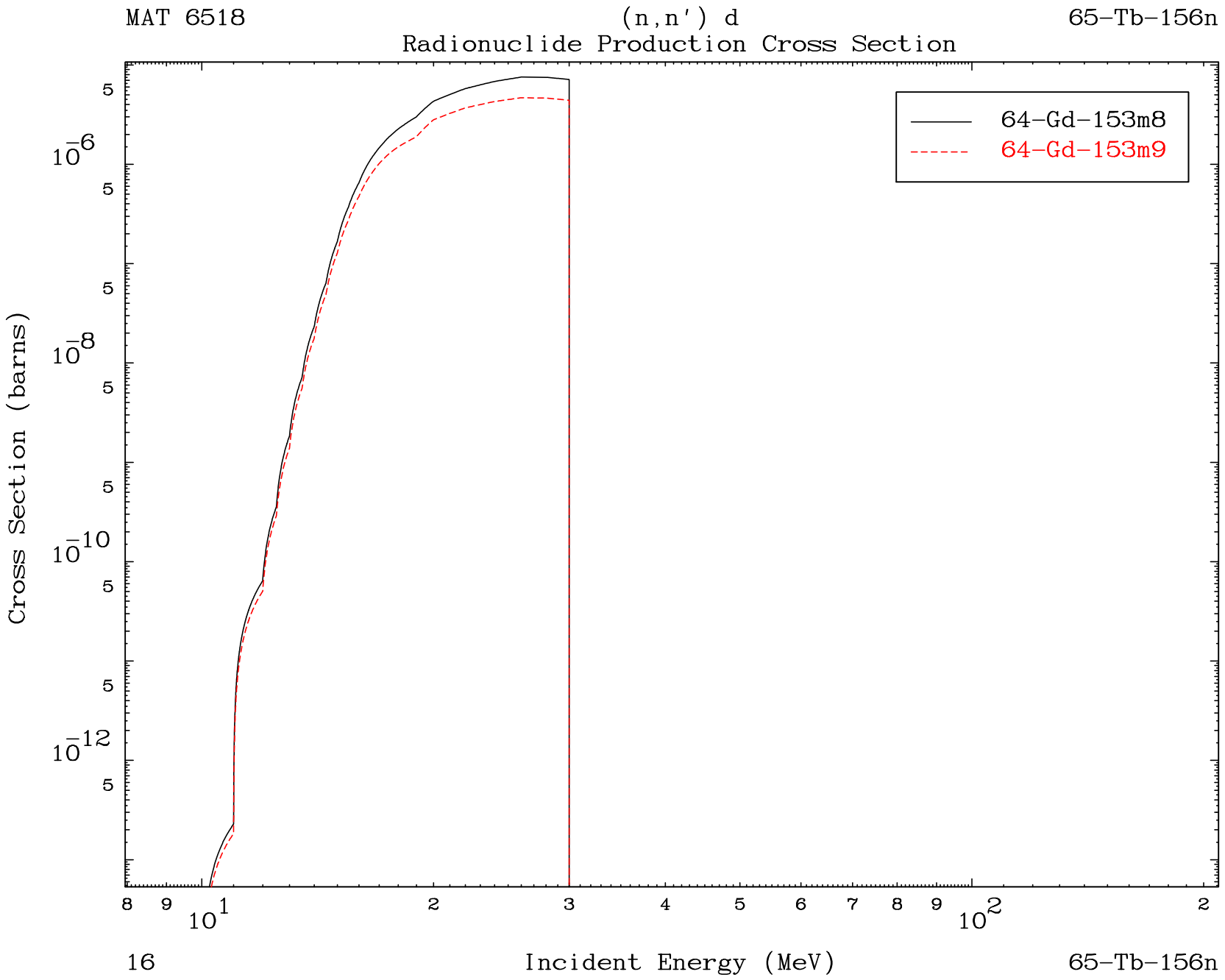

MAT 6518
(γ,He3) Levels
65-Tb-156n
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-8
10-10
10-12
10-14
5
9
10 1
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
65-Tb-156n

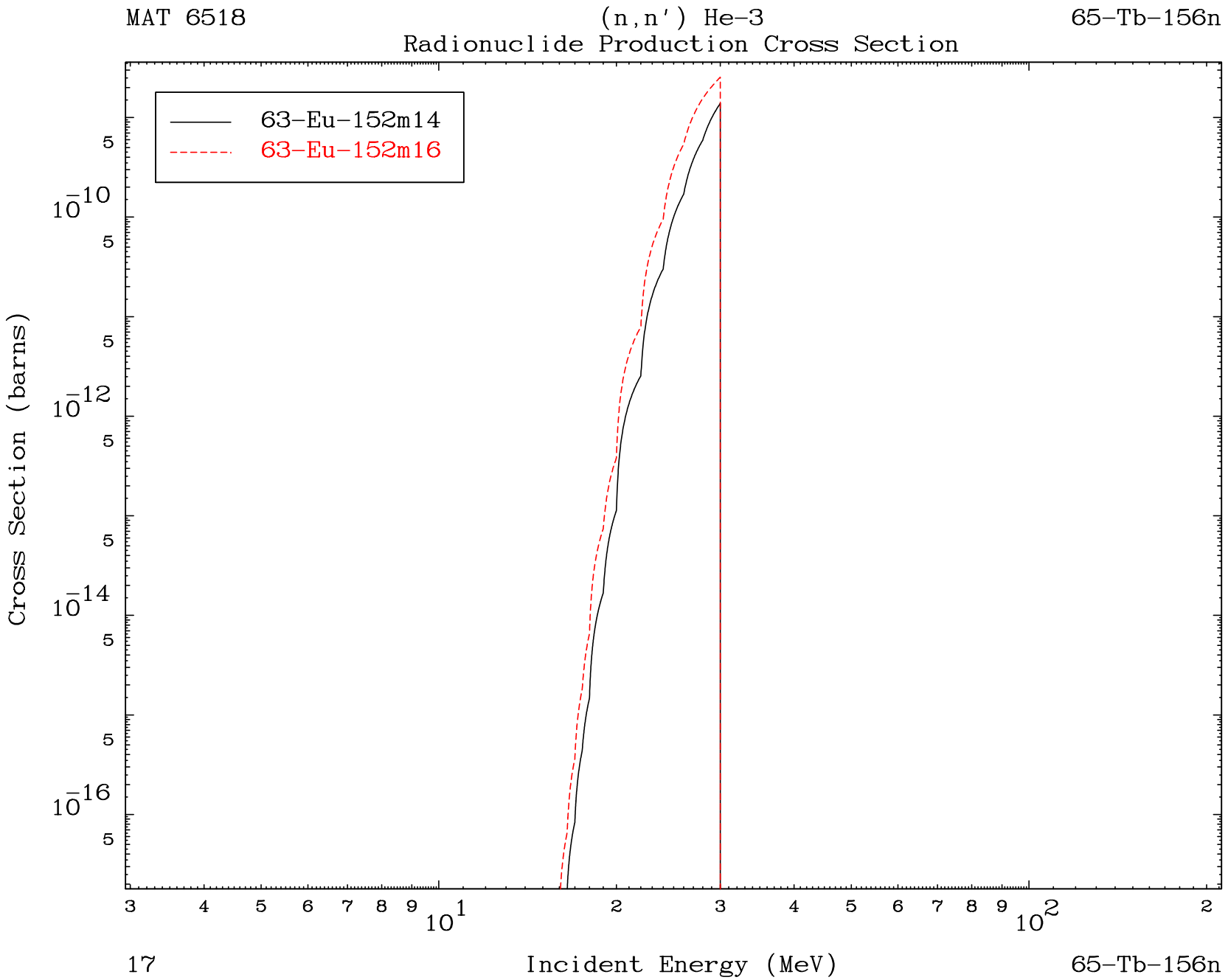

MAT 6518
(γ,α) Levels
65-Tb-156n
0 Kelvin Cross Sections
Cross Section (barns)
10-2
10-4
10-6
10-8
(n,α)
(n,2α)
2
4
6
8
10 1
2
4
6
8
10 2
2
12
Incident Energy (MeV)
65-Tb-156n

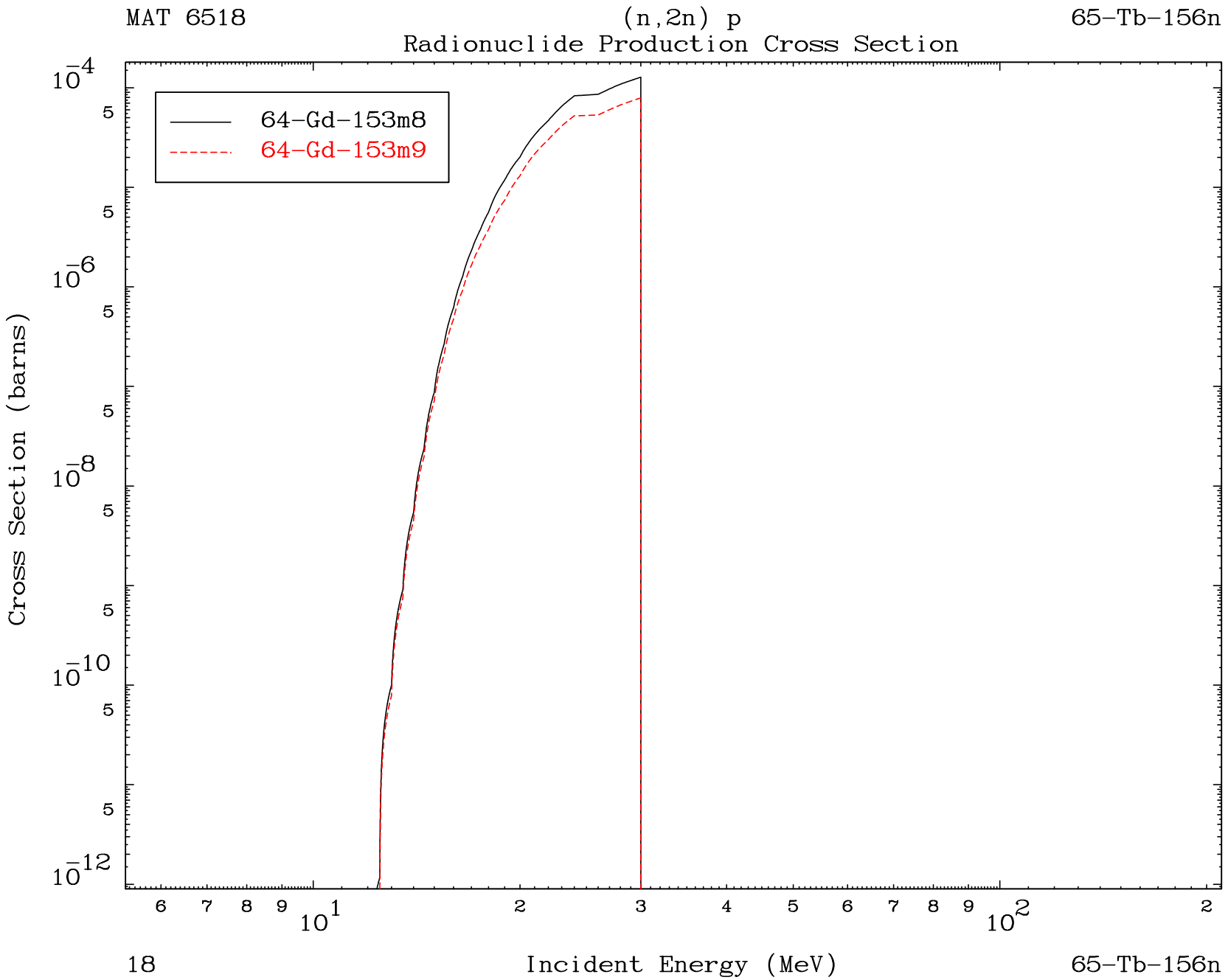

MAT 6518
(n,3n)
65-Tb-156n
Radionuclide Production Cross Section
65-Tb-153m17
X10^-4
6.0
5.8
5.6
5.4
5.2
5.0
4.8
Cross Section (barns)
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
65-Tb-156n

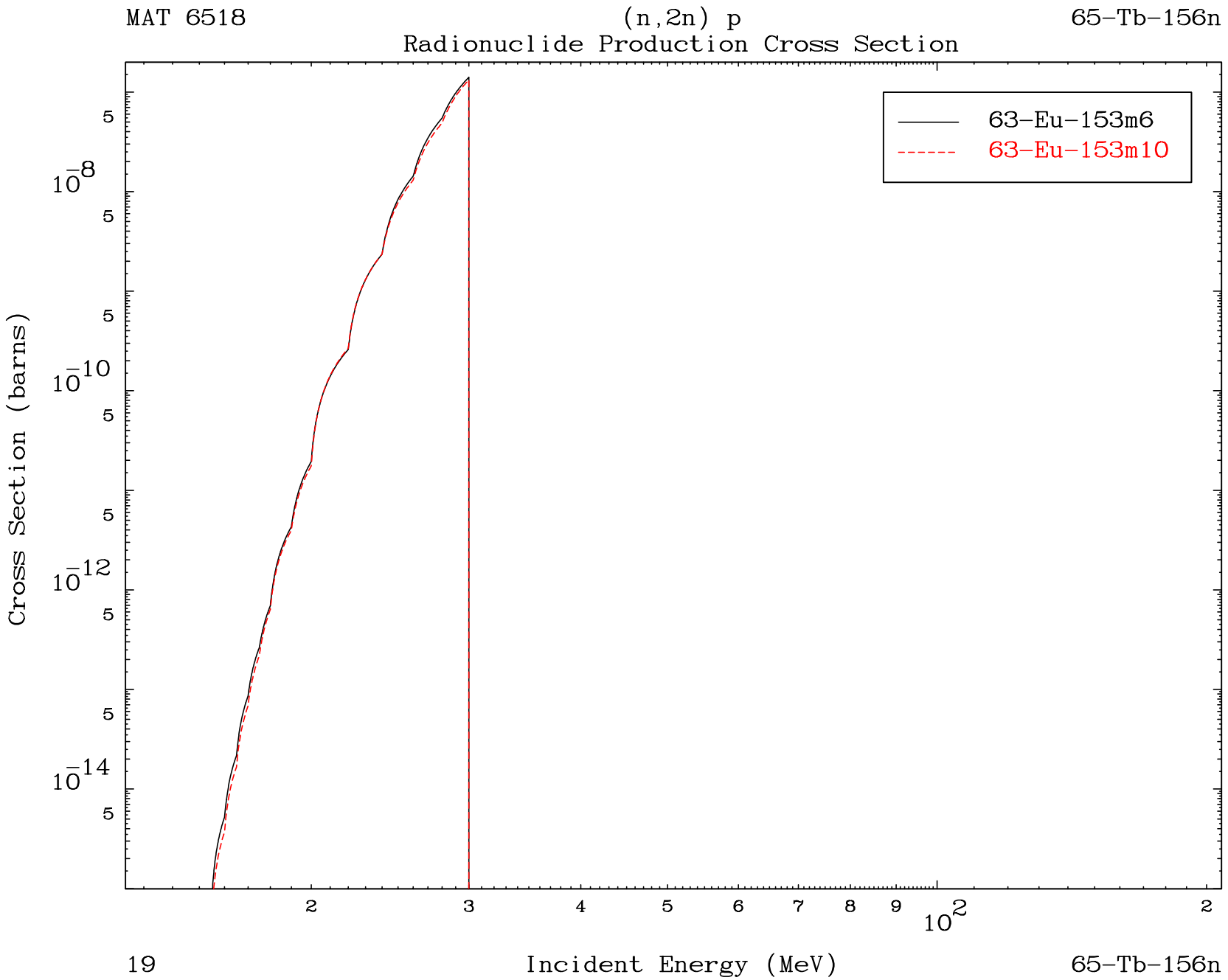

MAT 6518
(n,n') p
65-Tb-156n
Radionuclide Production Cross Section
64-Gd-154m6
64-Gd-154m7
64-Gd-154m9
64-Gd-154m11
Cross Section (barns)
Incident Energy (MeV)
14
65-Tb-156n

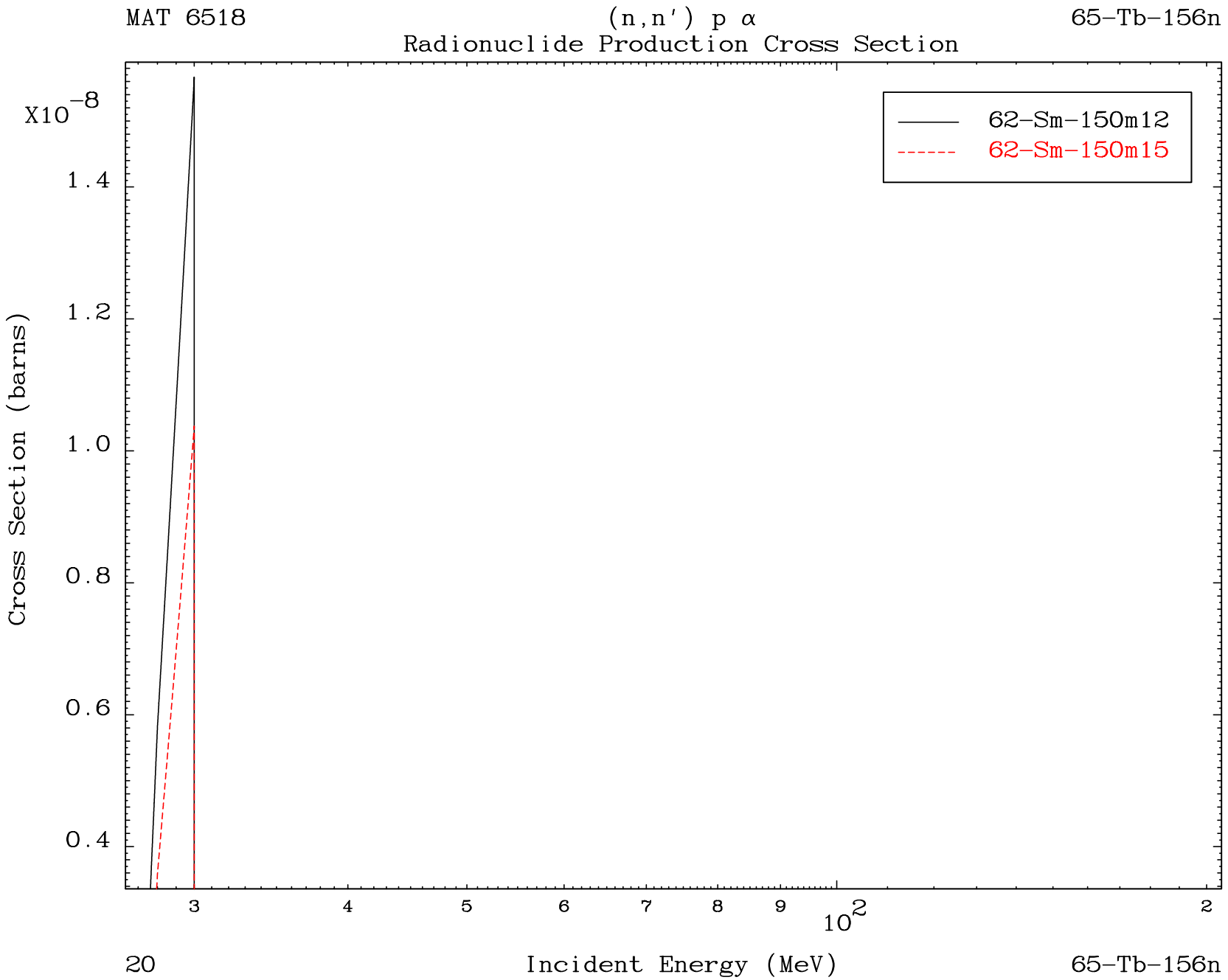

MAT 6518
(n,n') 2α
65-Tb-156n
Radionuclide Production Cross Section
61-Pm-147m13
Cross Section (barns)
Incident Energy (MeV)
15
65-Tb-156n

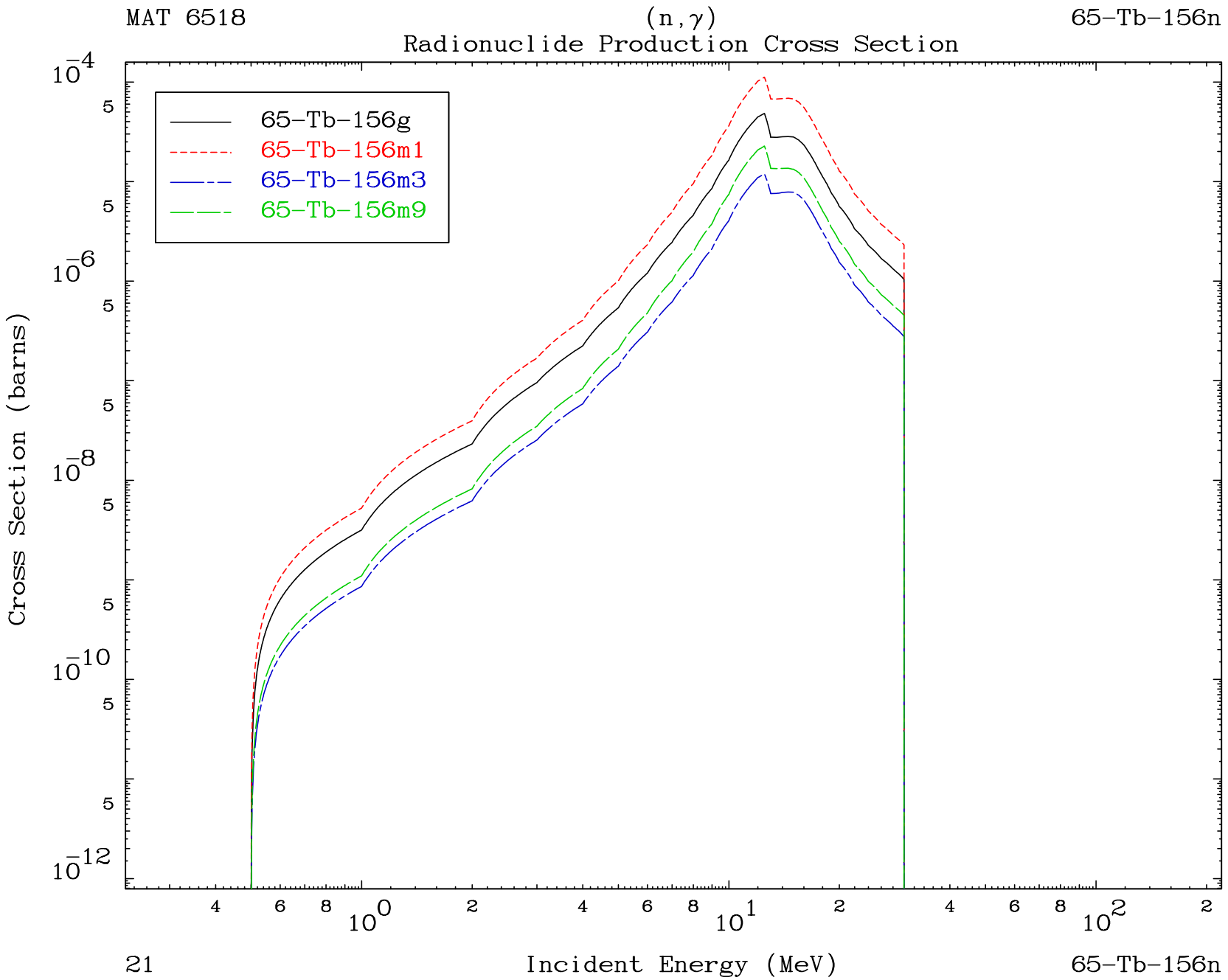

MAT 6518
(n,n') d
65-Tb-156n
Radionuclide Production Cross Section
64-Gd-153m8
64-Gd-153m9
Cross Section (barns)
Incident Energy (MeV)
16
65-Tb-156n

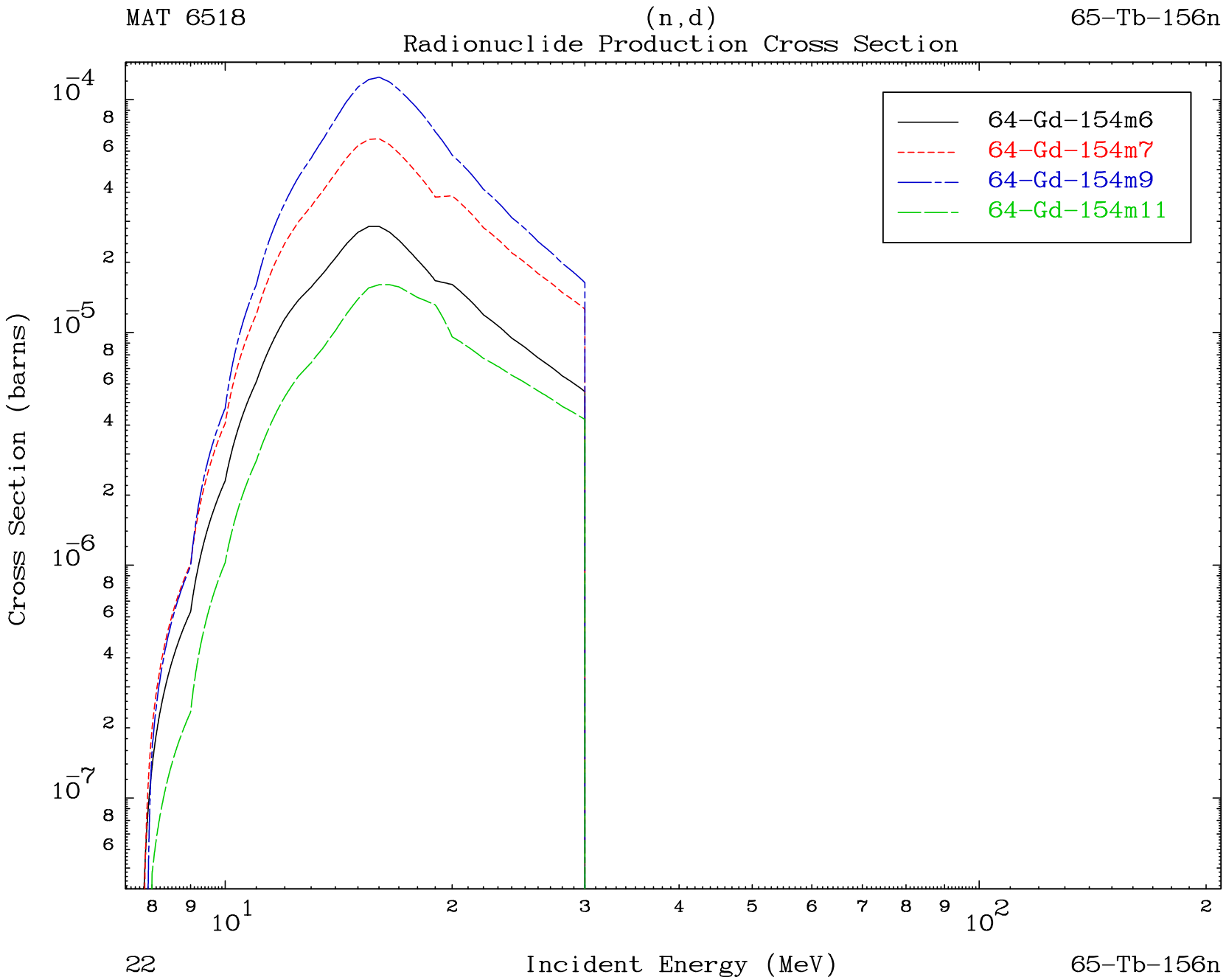

MAT 6518
(n,n') He-3
65-Tb-156n
Radionuclide Production Cross Section
63-Eu-152m14
63-Eu-152m16
Cross Section (barns)
Incident Energy (MeV)
17
65-Tb-156n

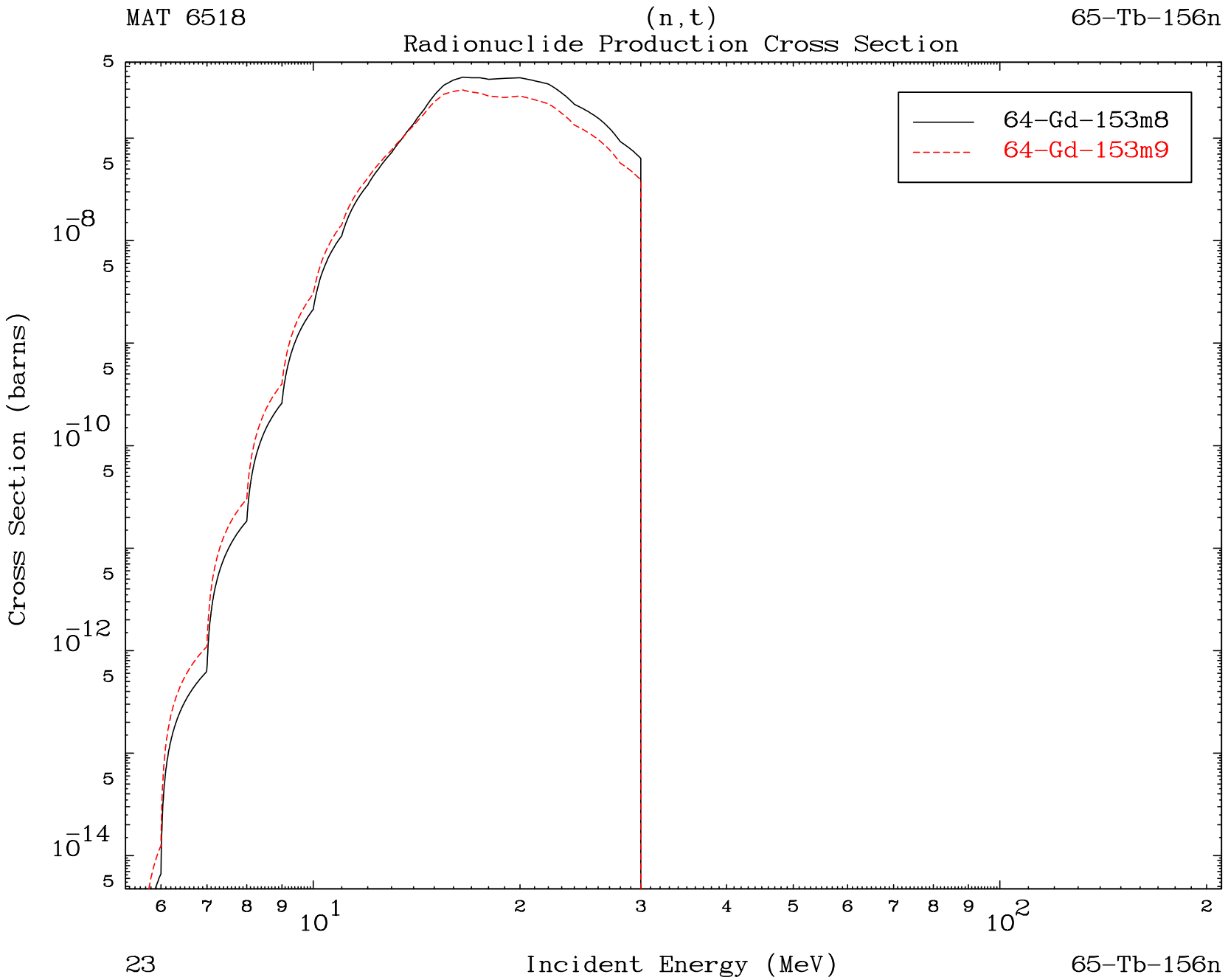

MAT 6518
(n,2n) p
65-Tb-156n
Radionuclide Production Cross Section
64-Gd-153m8
64-Gd-153m9
Cross Section (barns)
Incident Energy (MeV)
18
65-Tb-156n

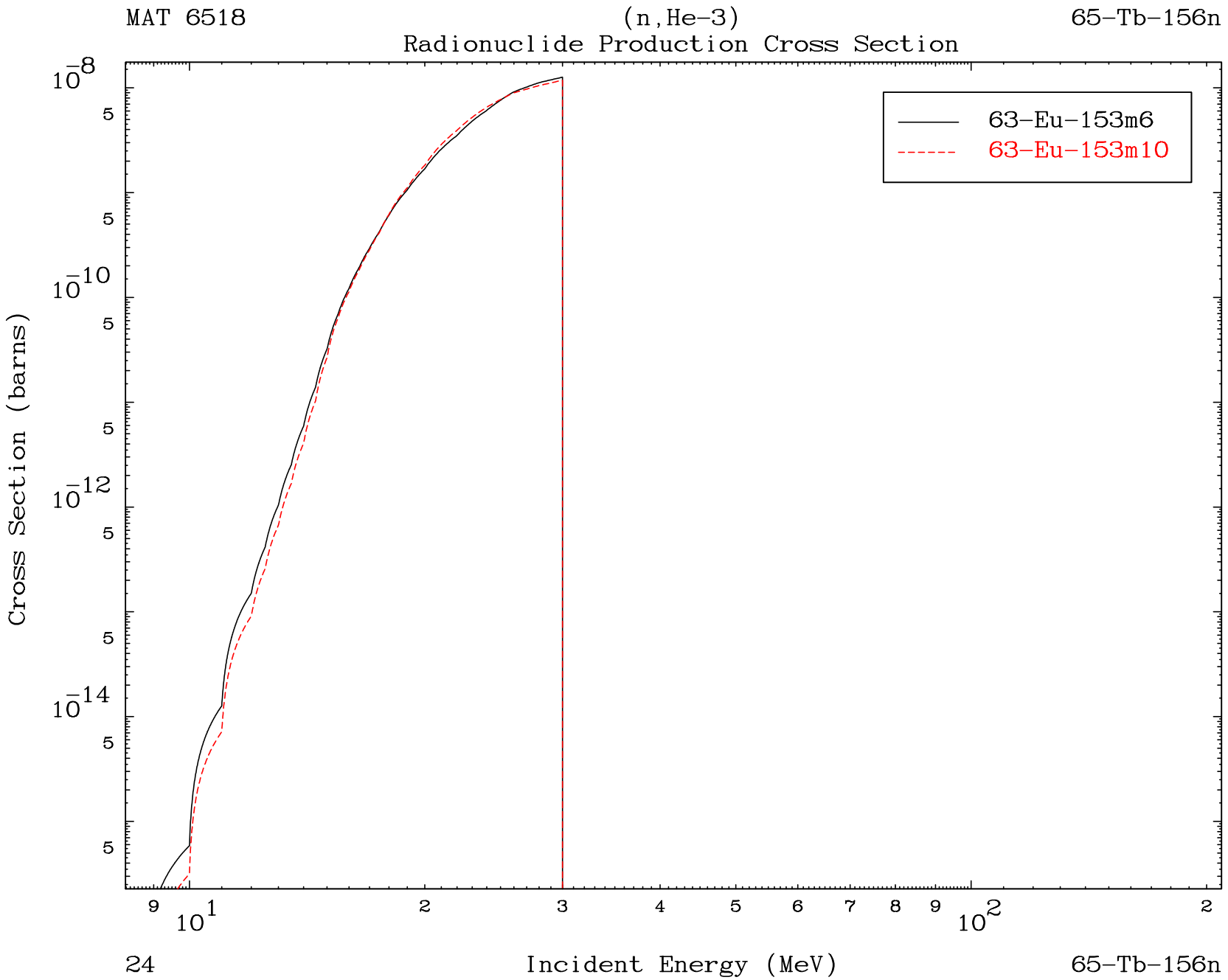

MAT 6518
(n,2n) p
65-Tb-156n
Radionuclide Production Cross Section
63-Eu-153m6
63-Eu-153m10
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
19
Incident Energy (MeV)
65-Tb-156n

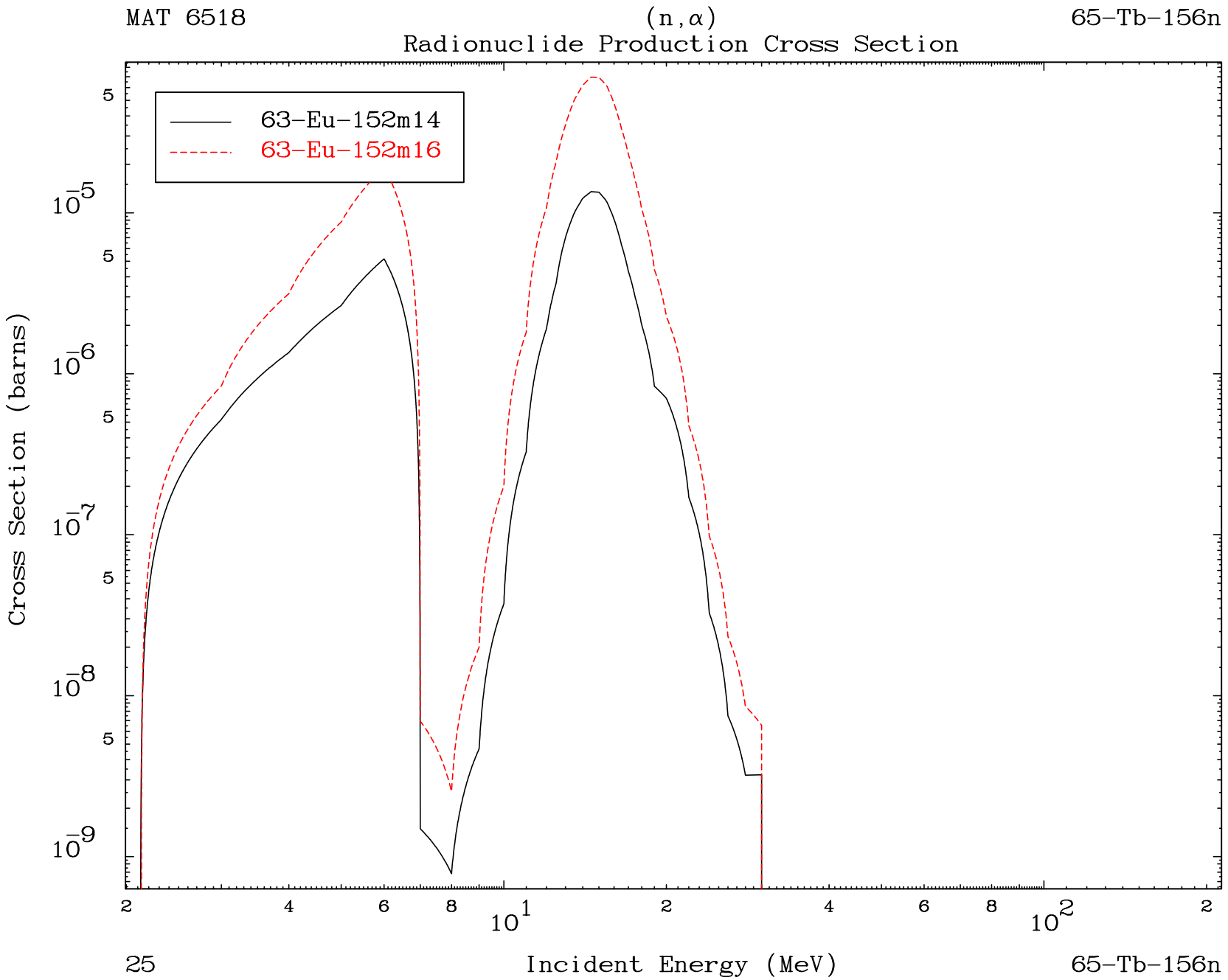

MAT 6518
(n,n') p α
65-Tb-156n
Radionuclide Production Cross Section
X10-8
1.4
1.2
1.0
0.8
0.6
0.4
Cross Section (barns)
62-Sm-150m12
62-Sm-150m15
3
4
5
6
7
8
9
10^2
2
20
Incident Energy (MeV)
65-Tb-156n

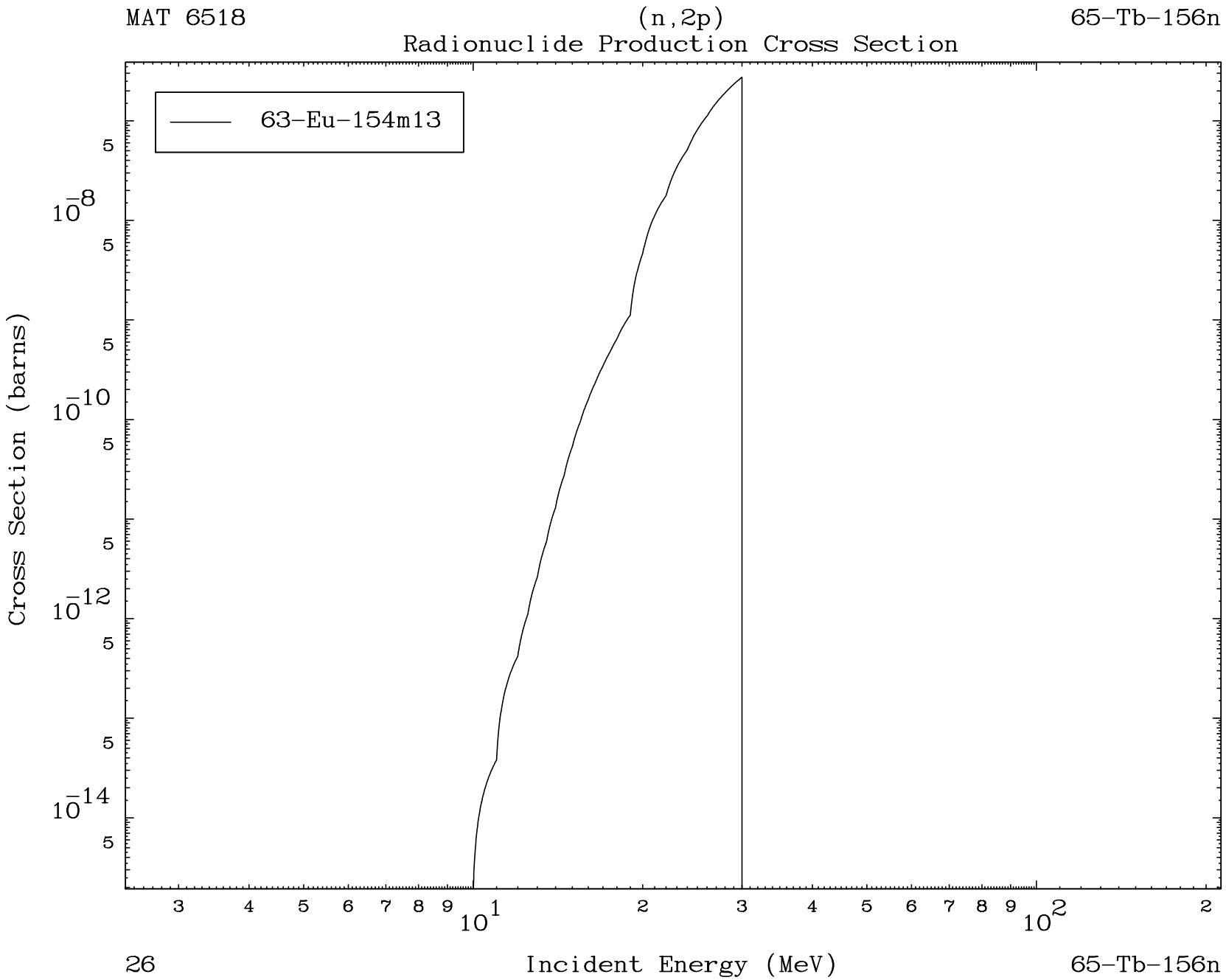

MAT 6518
(n,γ)
65-Tb-156n
Radionuclide Production Cross Section
65-Tb-156g
65-Tb-156m1
65-Tb-156m3
65-Tb-156m9
Cross Section (barns)
Incident Energy (MeV)
21
65-Tb-156n

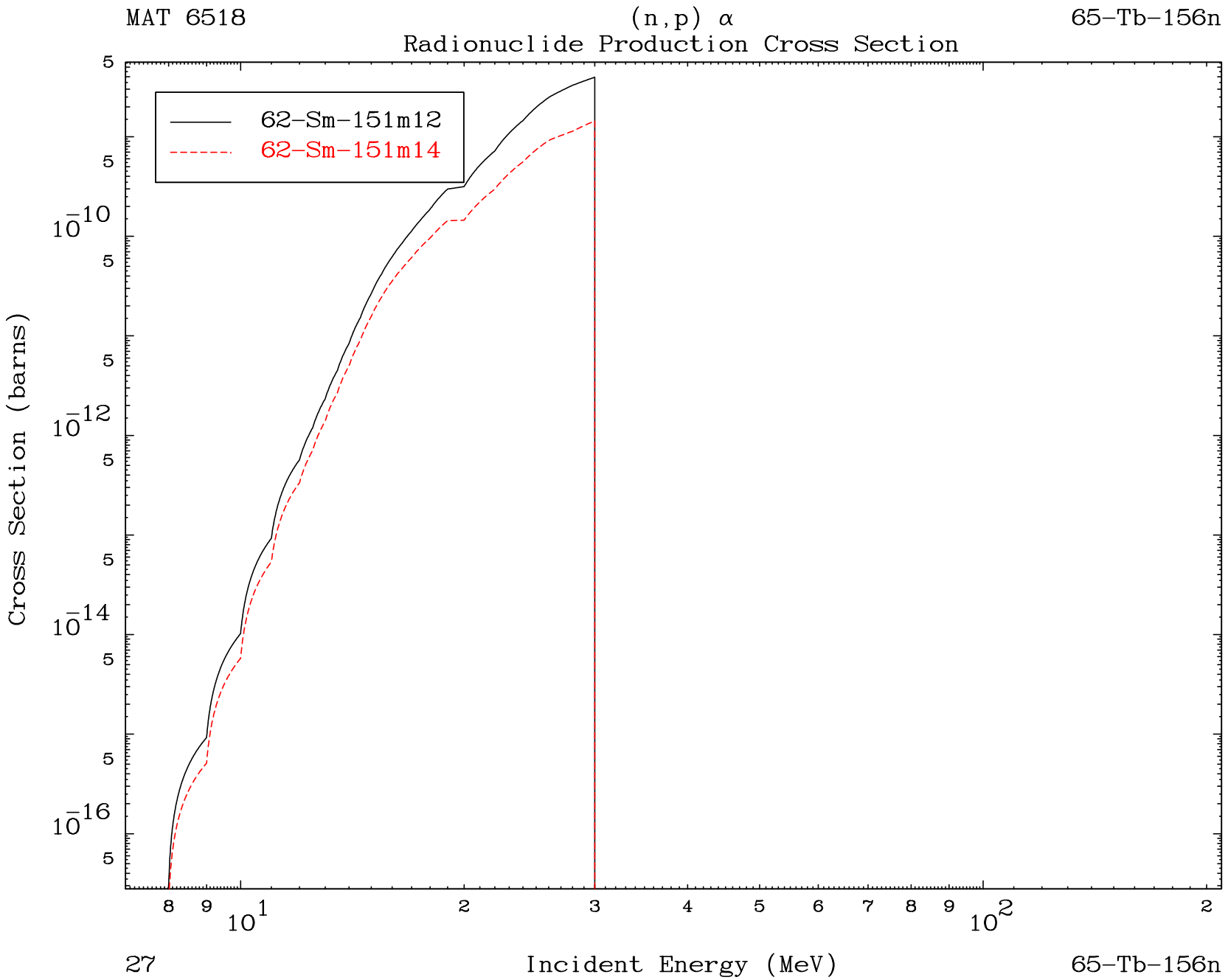

MAT 6518
(n,d)
65-Tb-156n
Radionuclide Production Cross Section
64-Gd-154m6
64-Gd-154m7
64-Gd-154m9
64-Gd-154m11
Cross Section (barns)
Incident Energy (MeV)
22
65-Tb-156n

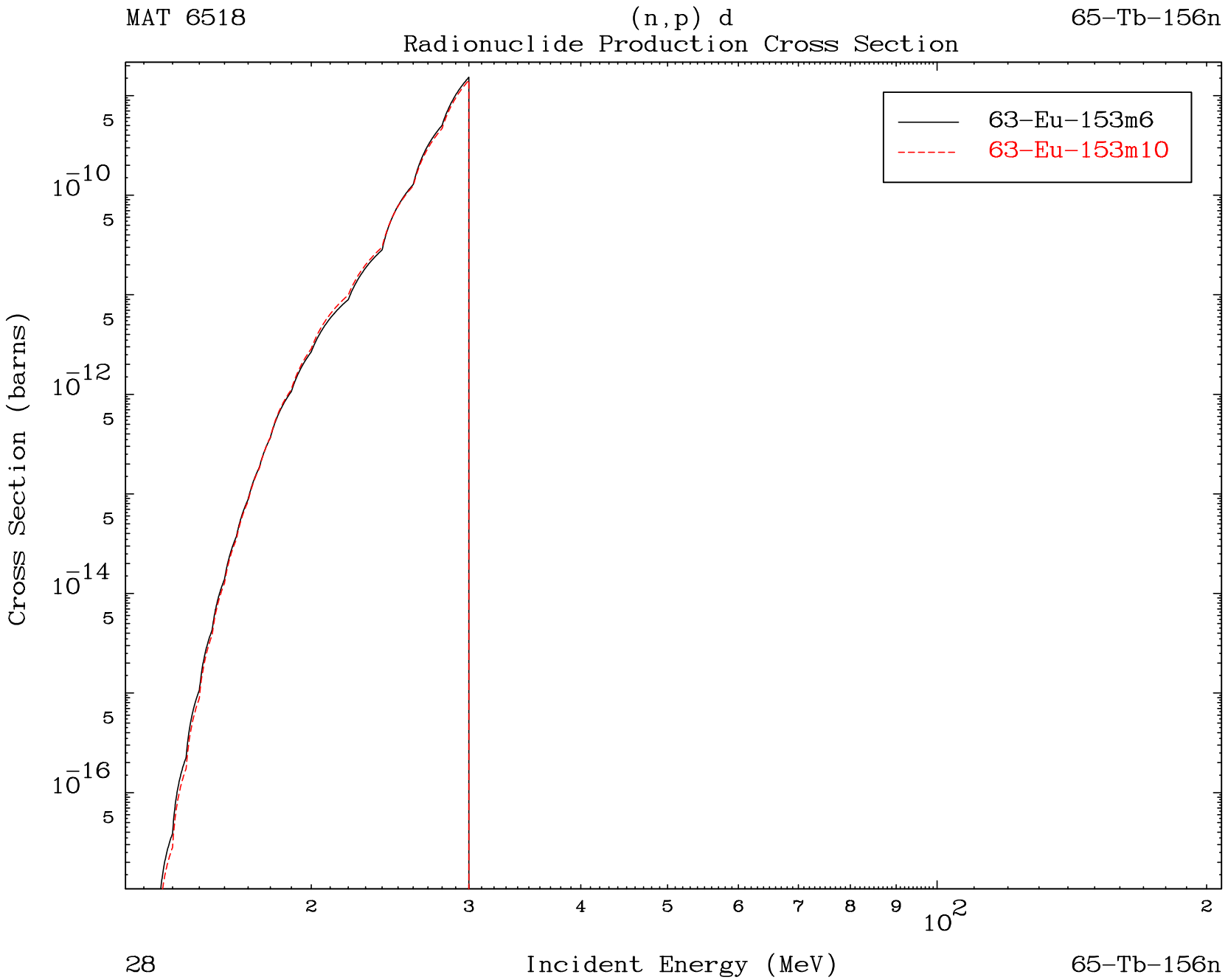

MAT 6518
(n,t)
65-Tb-156n
Radionuclide Production Cross Section
64-Gd-153m8
64-Gd-153m9
Cross Section (barns)
Incident Energy (MeV)
23
65-Tb-156n

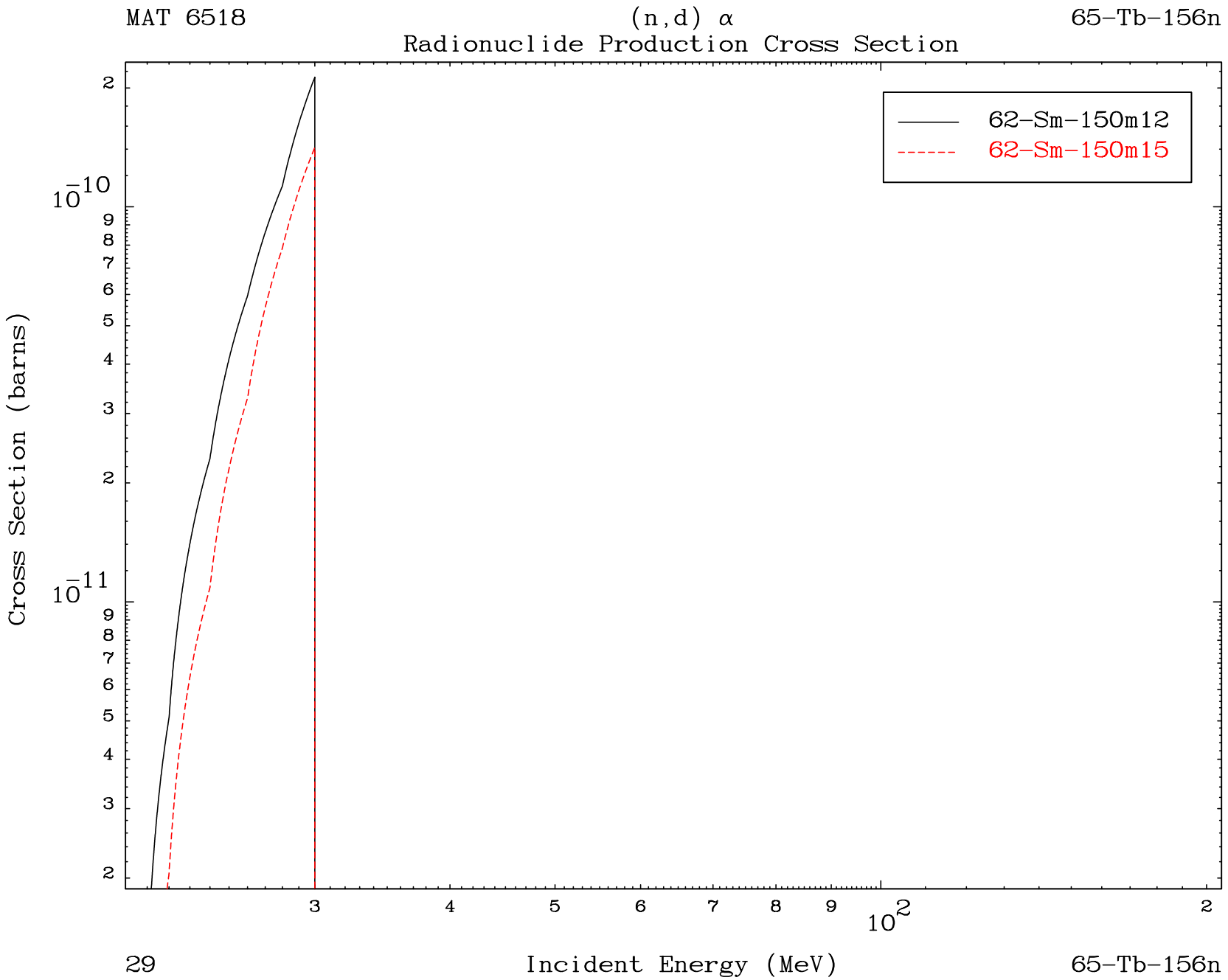

MAT 6518
(n,He-3)
65-Tb-156n
Radionuclide Production Cross Section
63-Eu-153m6
63-Eu-153m10
Cross Section (barns)
Incident Energy (MeV)
24
65-Tb-156n


MAT 6518
(n,α)
65-Tb-156n
Radionuclide Production Cross Section
63-Eu-152m14
63-Eu-152m16
Cross Section (barns)
Incident Energy (MeV)
25
65-Tb-156n


MAT 6518
(n,2p)
65-Tb-156n
Radionuclide Production Cross Section
63-Eu-154m13
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
3 4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
26
65-Tb-156n


MAT 6518
(n,p) α
65-Tb-156n
Radionuclide Production Cross Section
62-Sm-151m12
62-Sm-151m14
Cross Section (barns)
Incident Energy (MeV)
27
65-Tb-156n


MAT 6518
(n,p) d
65-Tb-156n
Radionuclide Production Cross Section
63-Eu-153m6
63-Eu-153m10
Cross Section (barns)
10-10
10-12
10-14
10-16
5
2
3
4
6
7
8
9
10 2
Incident Energy (MeV)
28
65-Tb-156n


MAT 6518
(n,d) α
65-Tb-156n
Radionuclide Production Cross Section
62-Sm-150m12
62-Sm-150m15
Cross Section (barns)
10^-10
10^-11
2
3
4
5
6
7
8
9
10^2
Incident Energy (MeV)
29
65-Tb-156n