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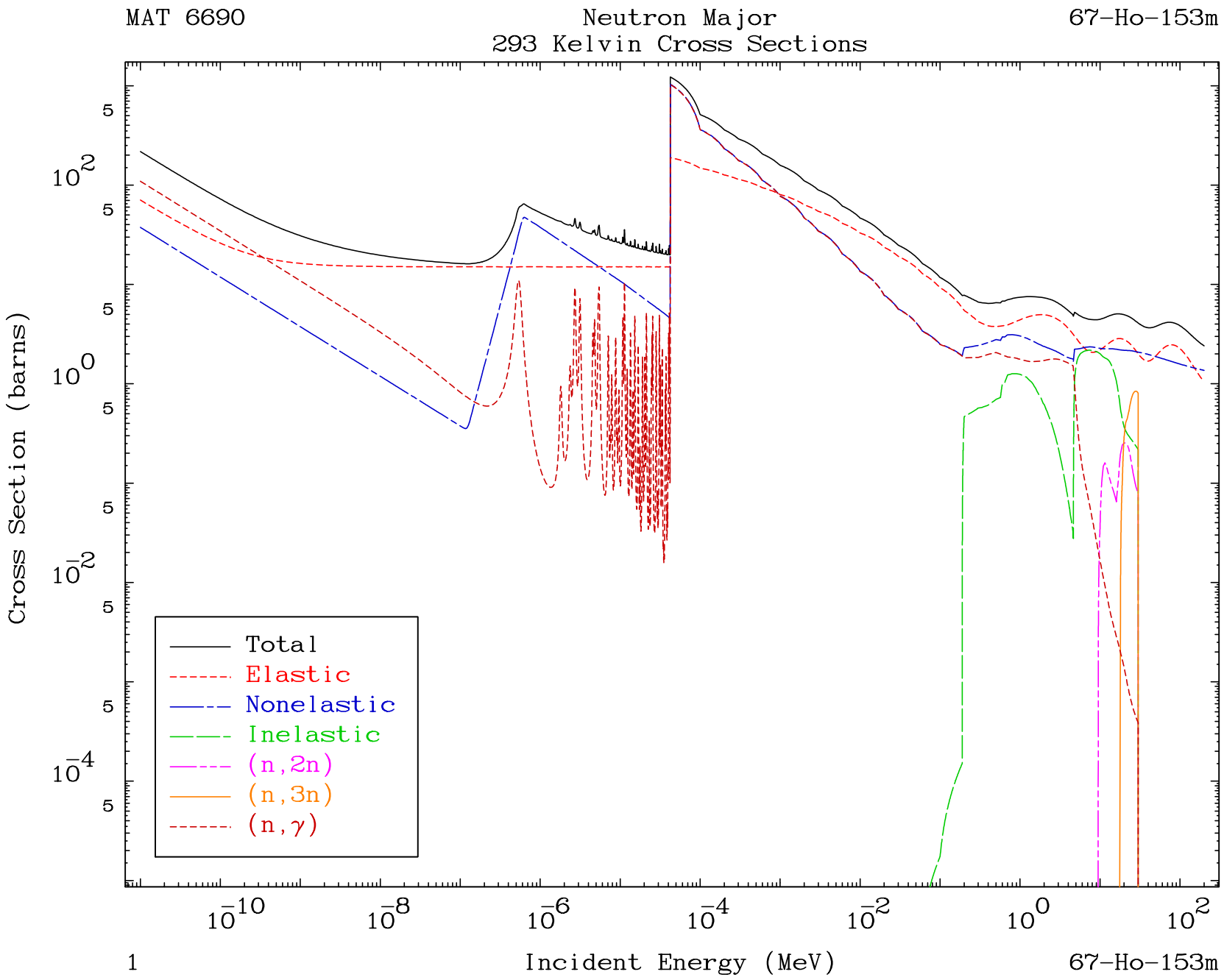
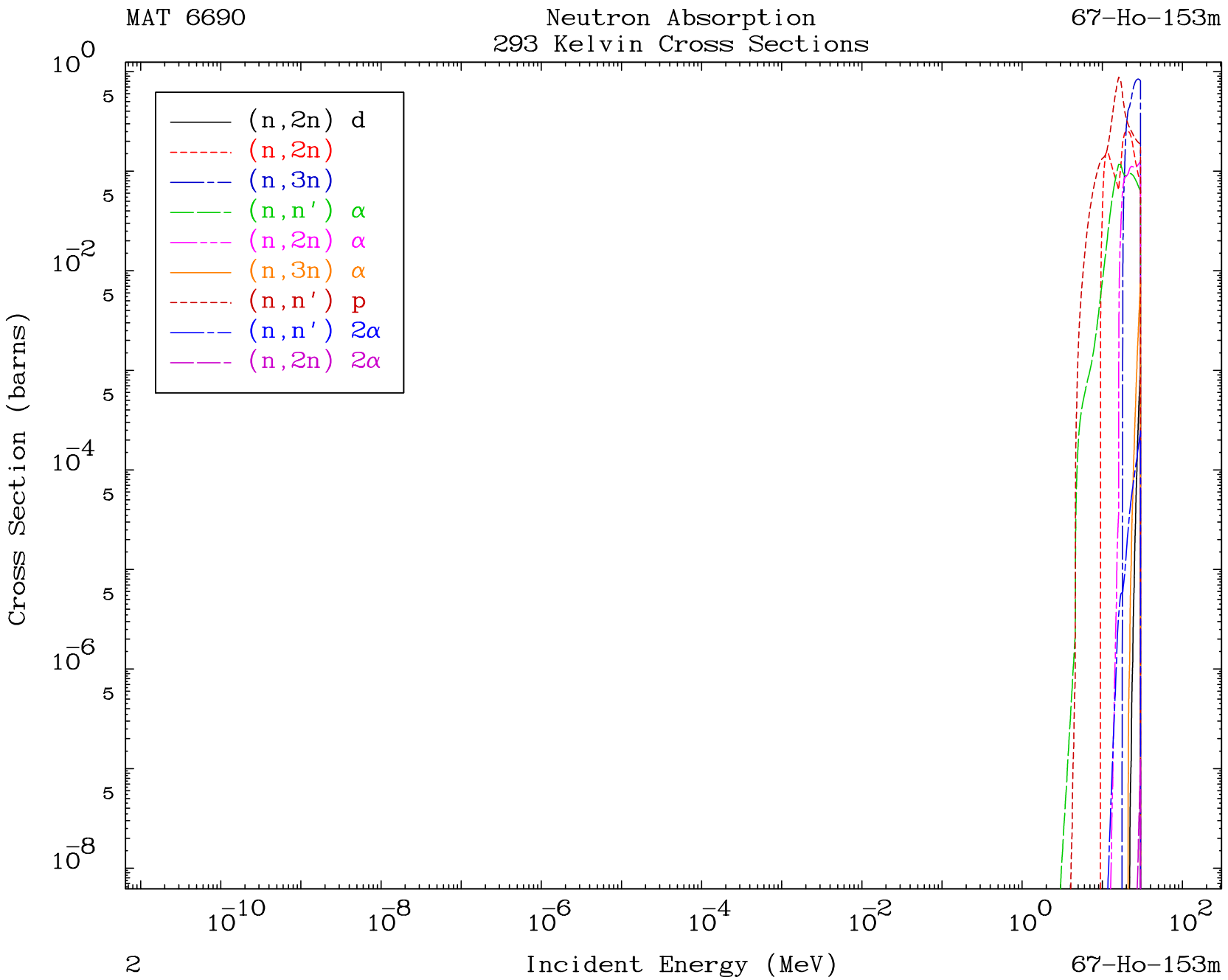
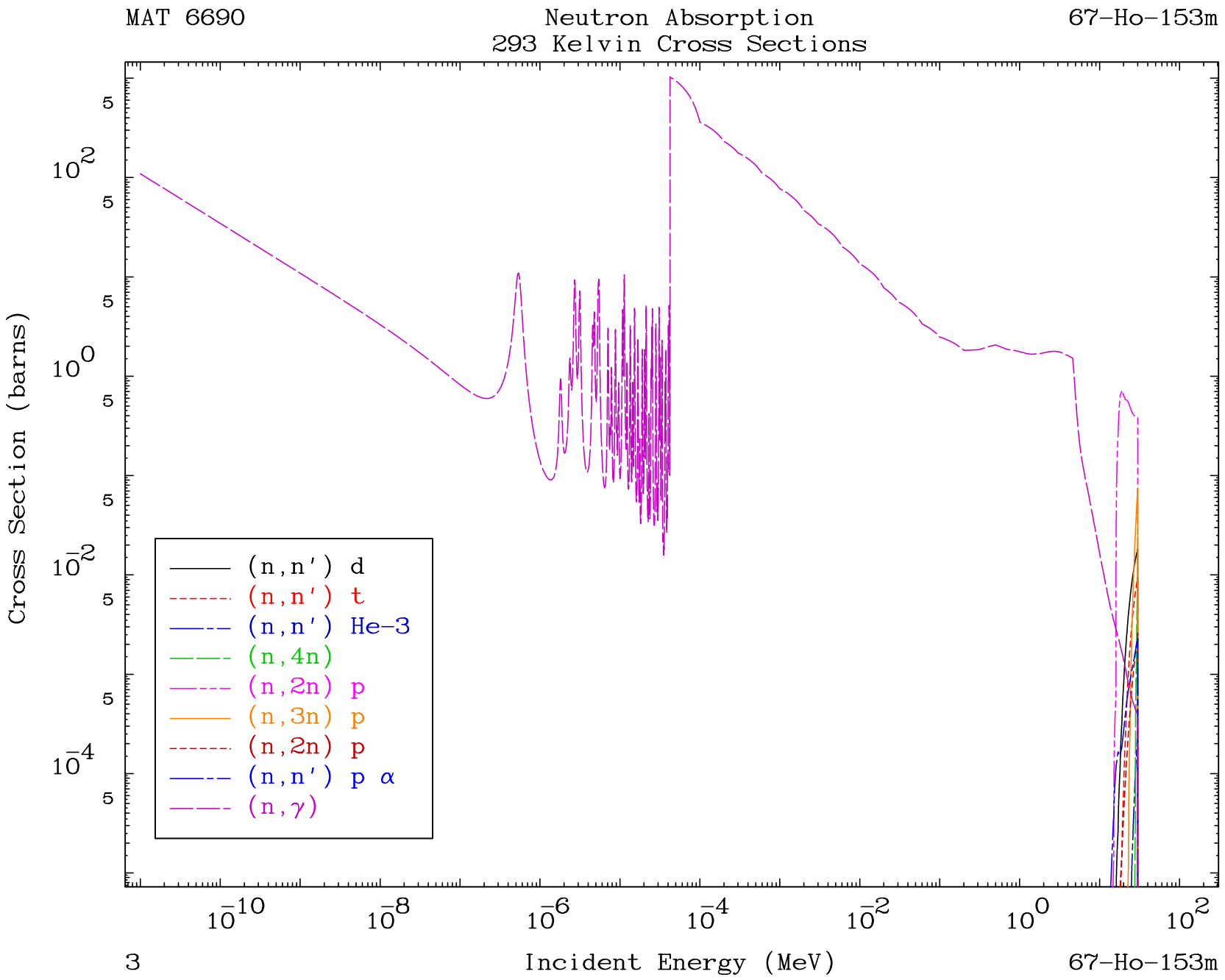
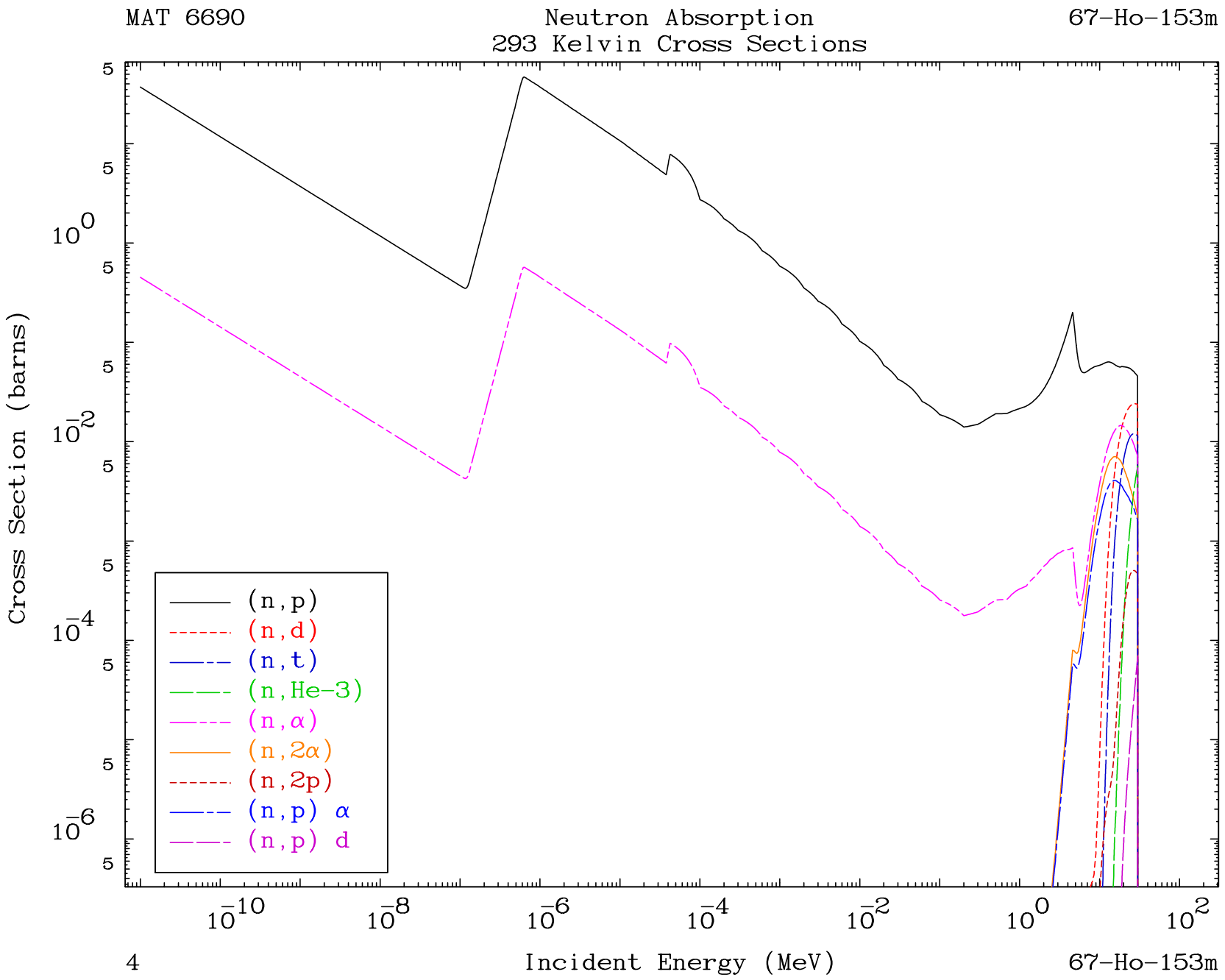
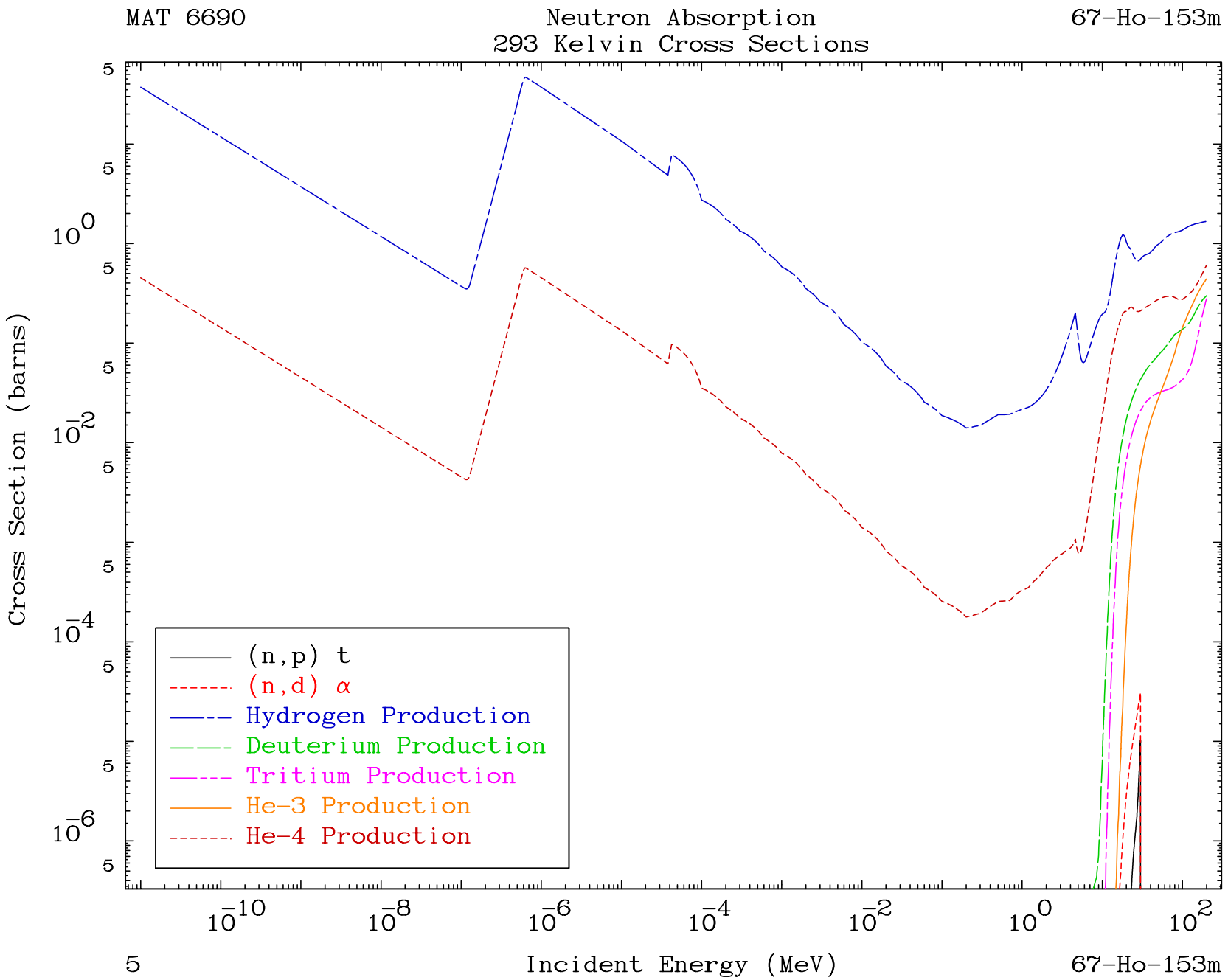
Press Mouse Button to Start

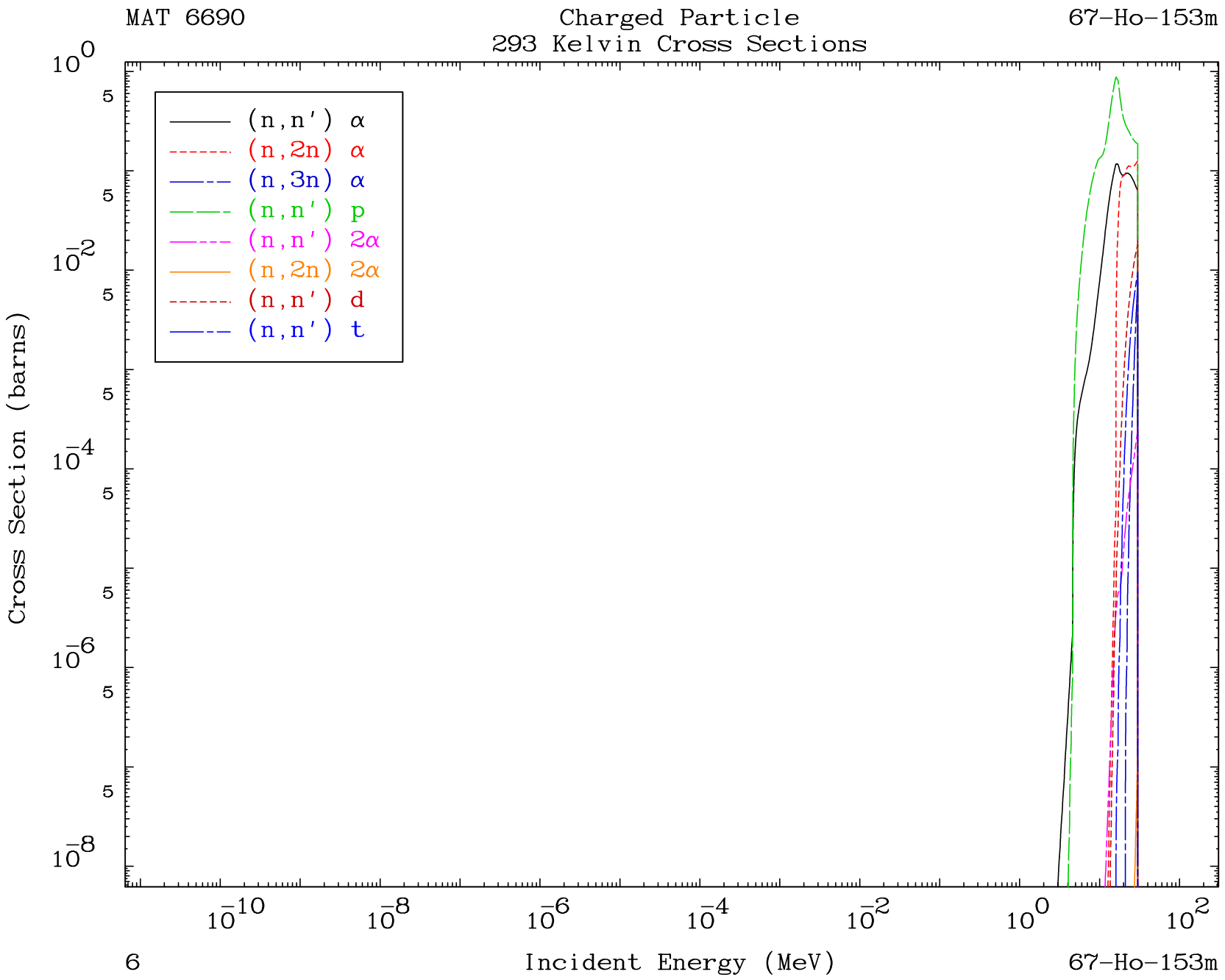

MAT 6690
Neutron Major
293 Kelvin Cross Sections
67-Ho-153m
Cross Section (barns)
Incident Energy (MeV)
67-Ho-153m
1
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)

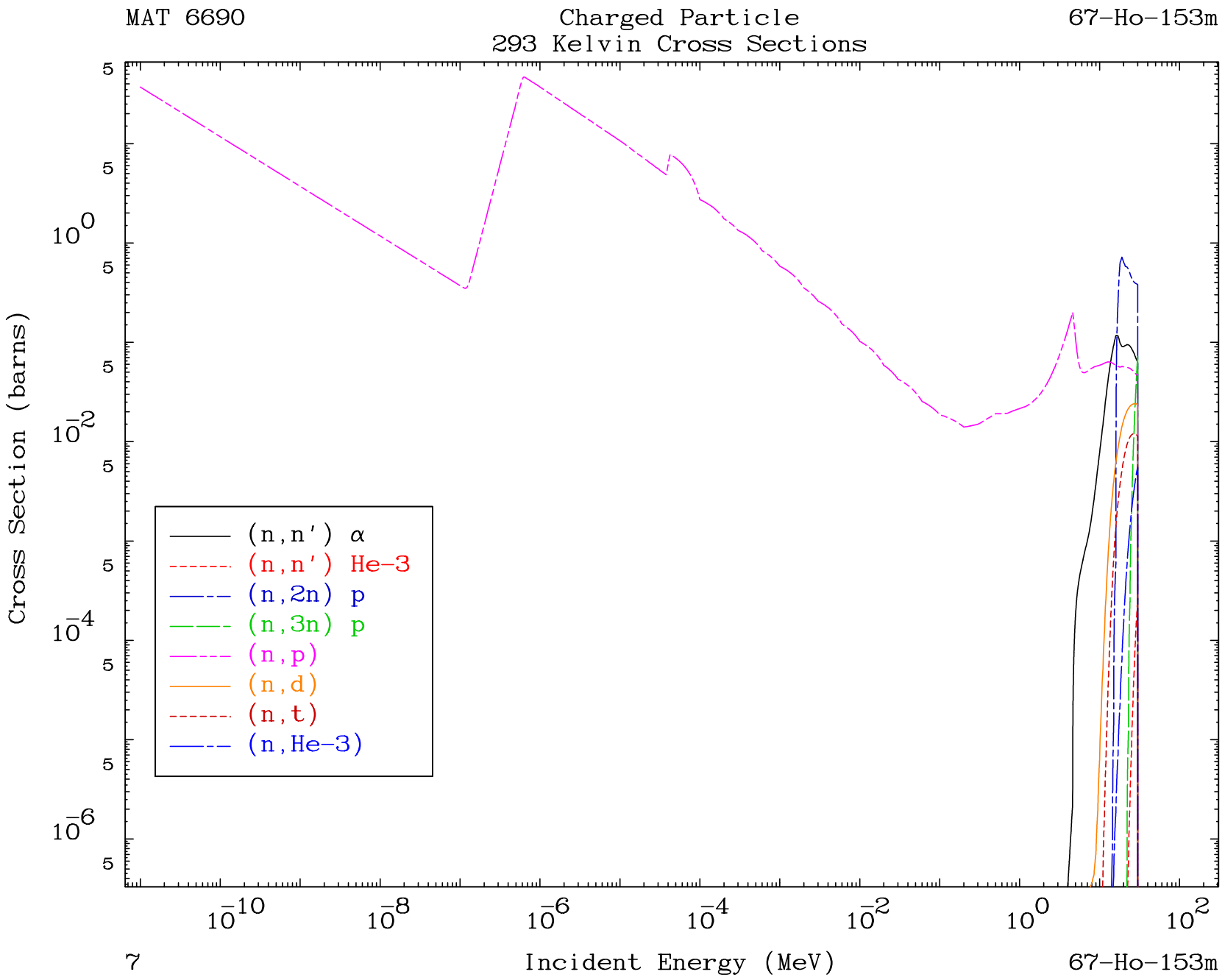

MAT 6690
Neutron Absorption
293 Kelvin Cross Sections
67-Ho-153m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
Cross Section (barns)
Incident Energy (MeV)
67-Ho-153m
2

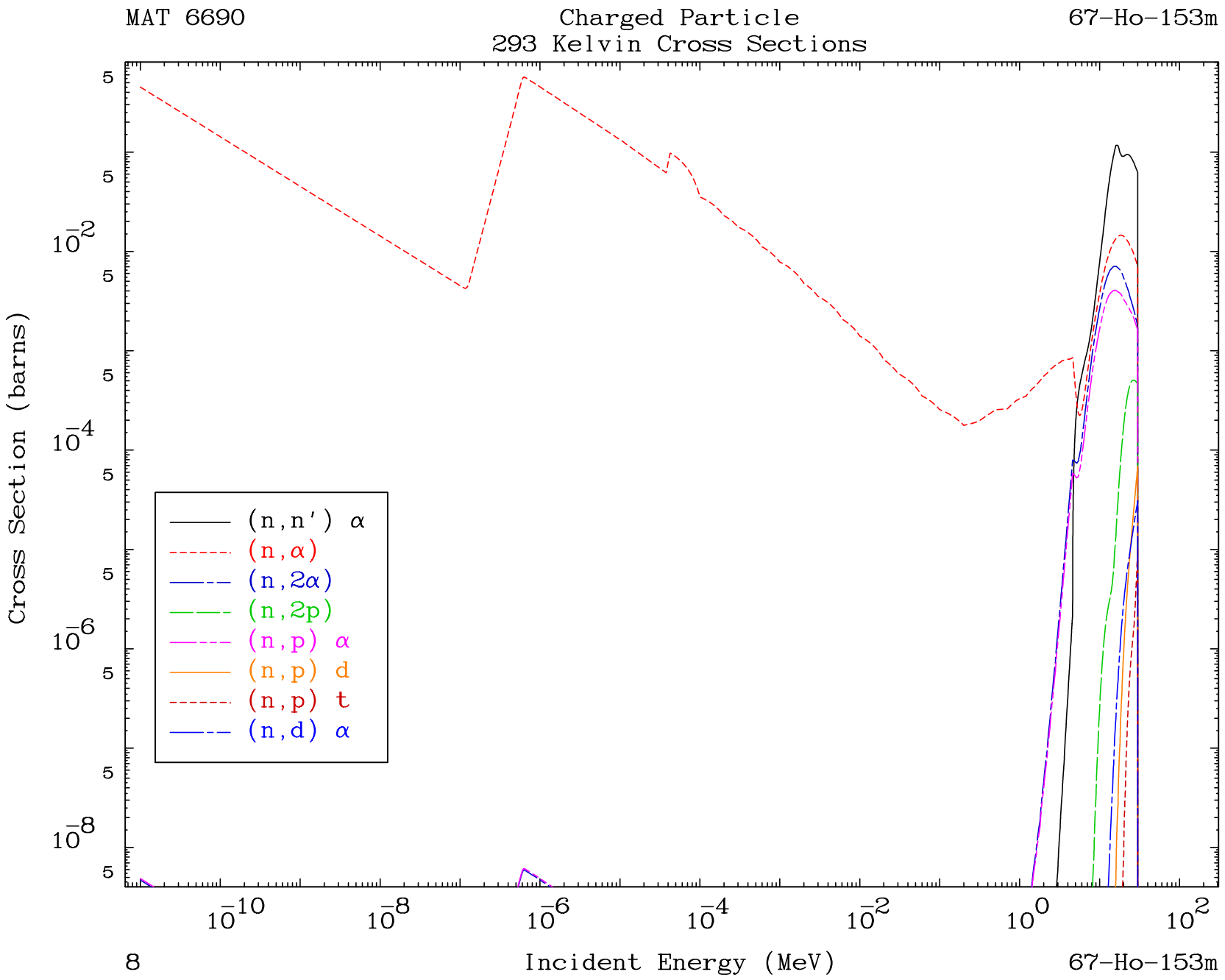

MAT 6690
Neutron Absorption
293 Kelvin Cross Sections
67-Ho-153m
Cross Section (barns)
Incident Energy (MeV)
(n,n') d
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
3
67-Ho-153m

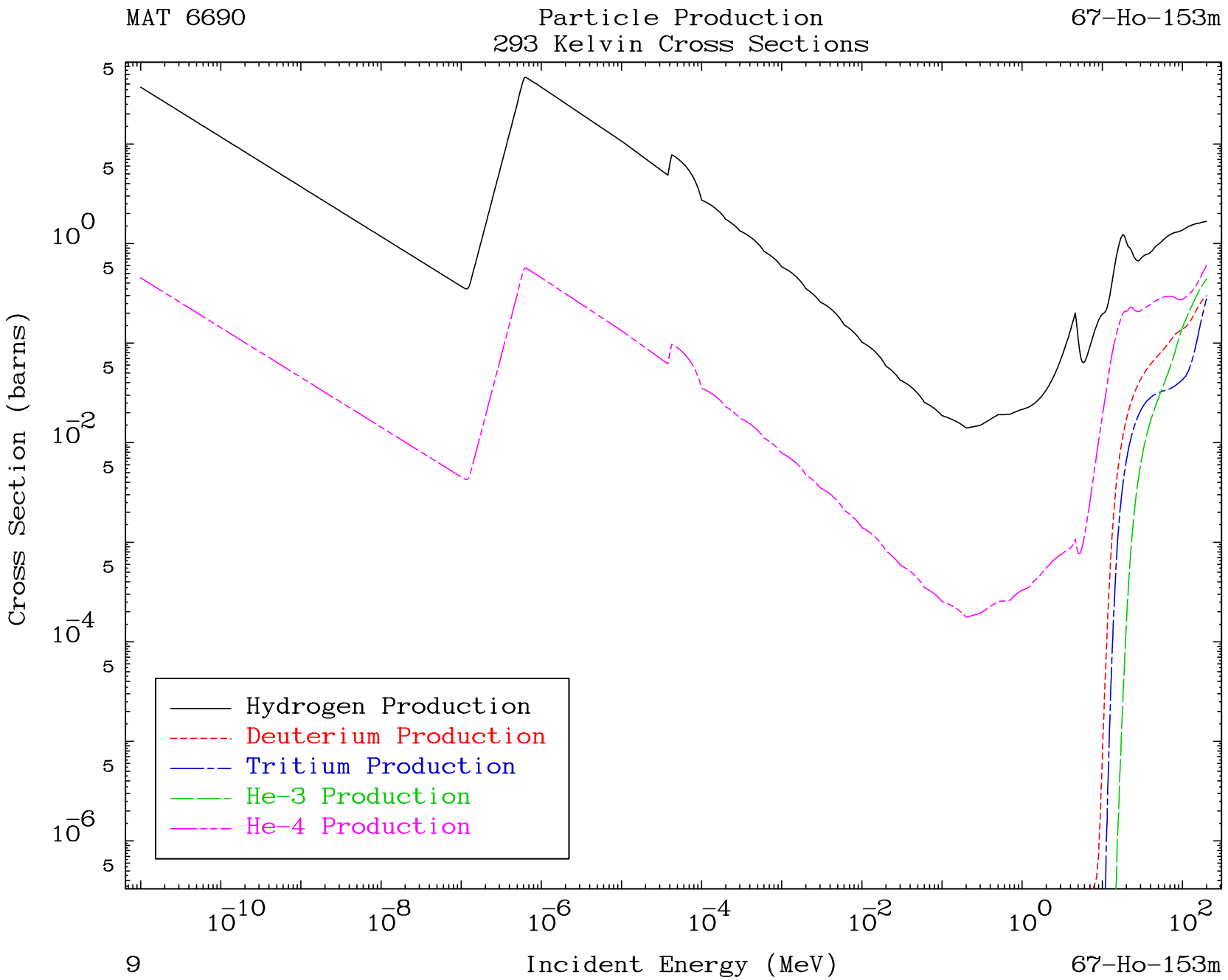

MAT 6690
Neutron Absorption
293 Kelvin Cross Sections
67-Ho-153m
Cross Section (barns)
Incident Energy (MeV)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
4
67-Ho-153m

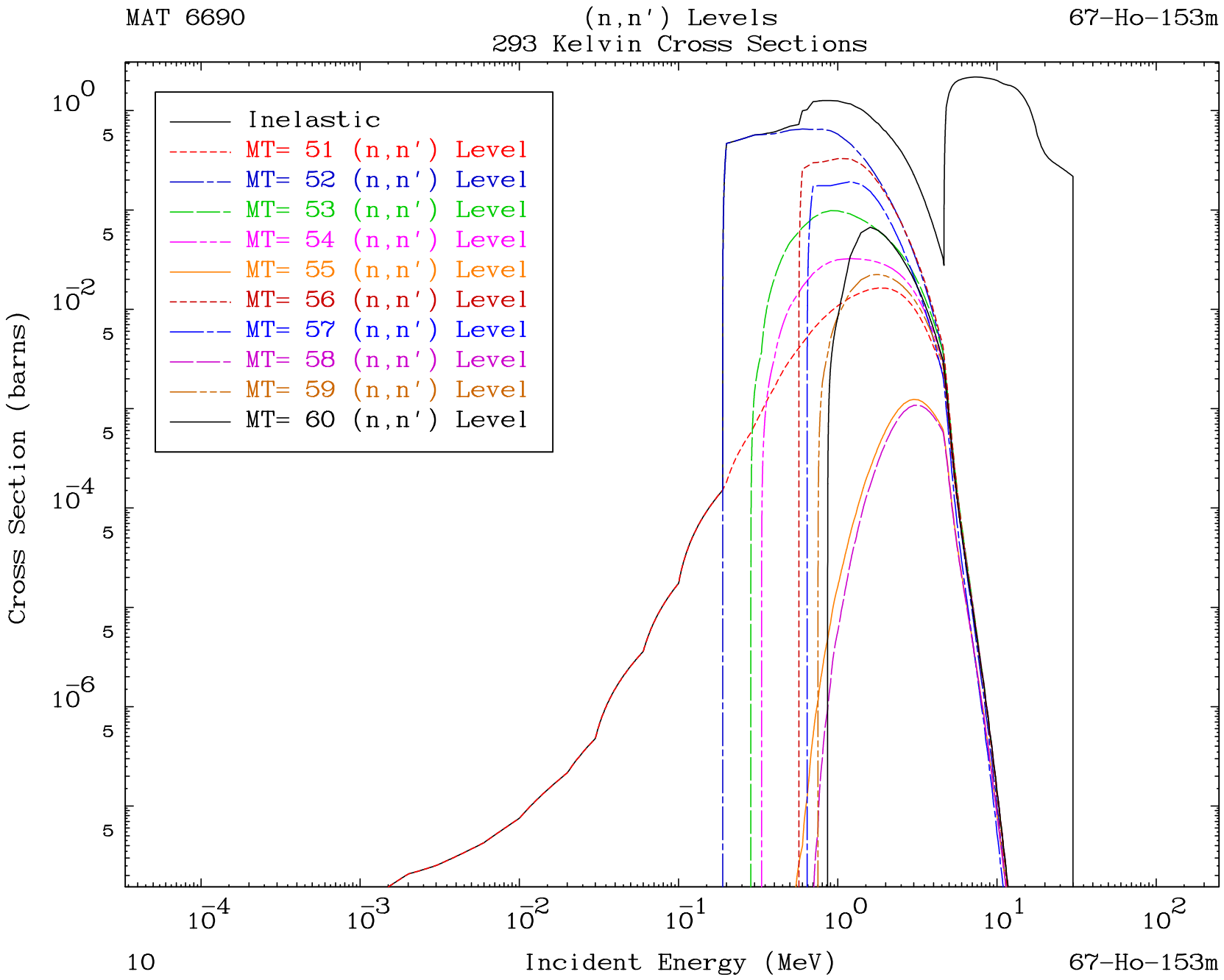

MAT 6690
Neutron Absorption
293 Kelvin Cross Sections
67-Ho-153m
Cross Section (barns)
Incident Energy (MeV)
67-Ho-153m
(n,p) t
(n,d) α
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production

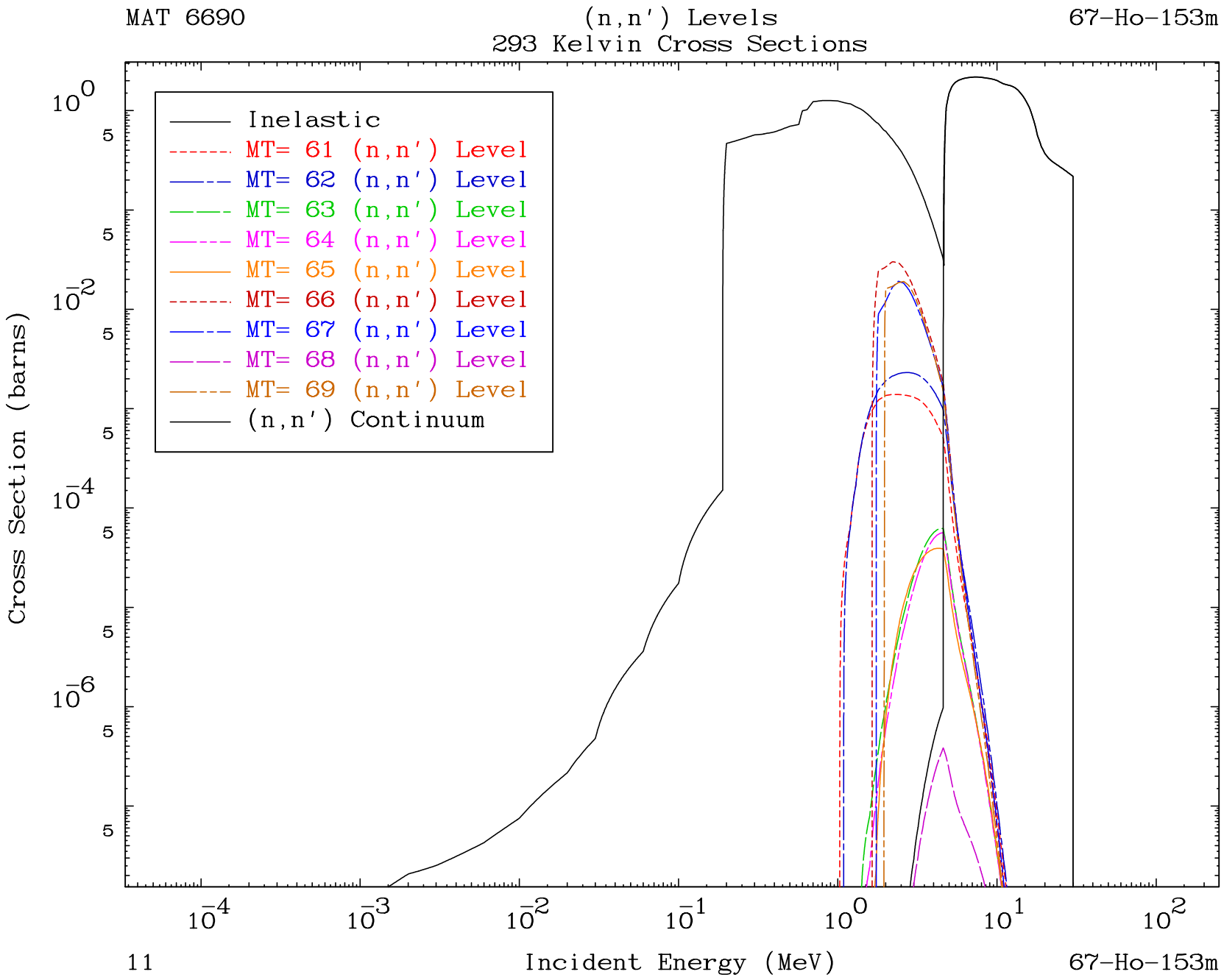

MAT 6690
Charged Particle
293 Kelvin Cross Sections
67-Ho-153m
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
67-Ho-153m
6

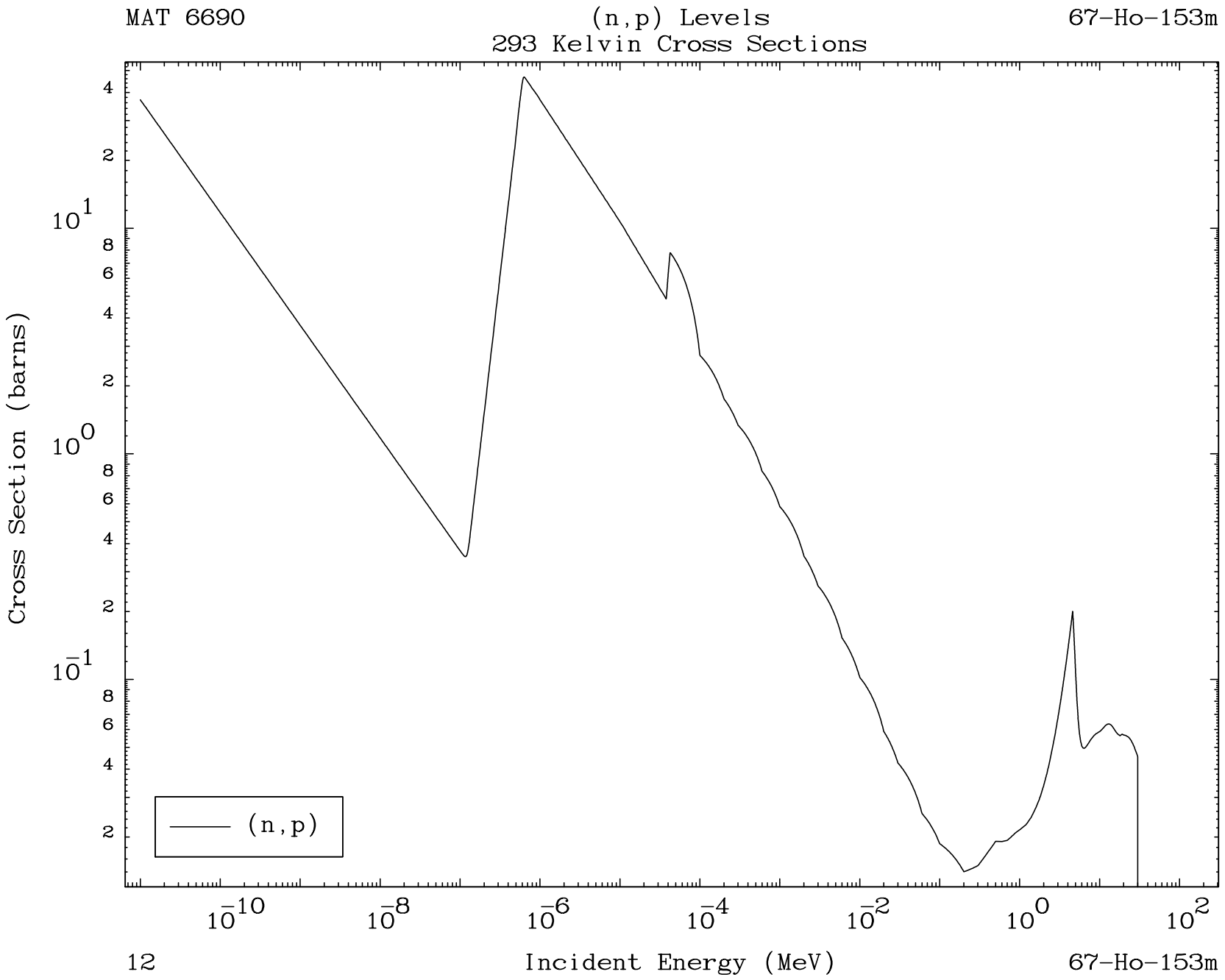

MAT 6690
Charged Particle
293 Kelvin Cross Sections
67-Ho-153m
Cross Section (barns)
Incident Energy (MeV)
67-Ho-153m
7
(n,n') α
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)

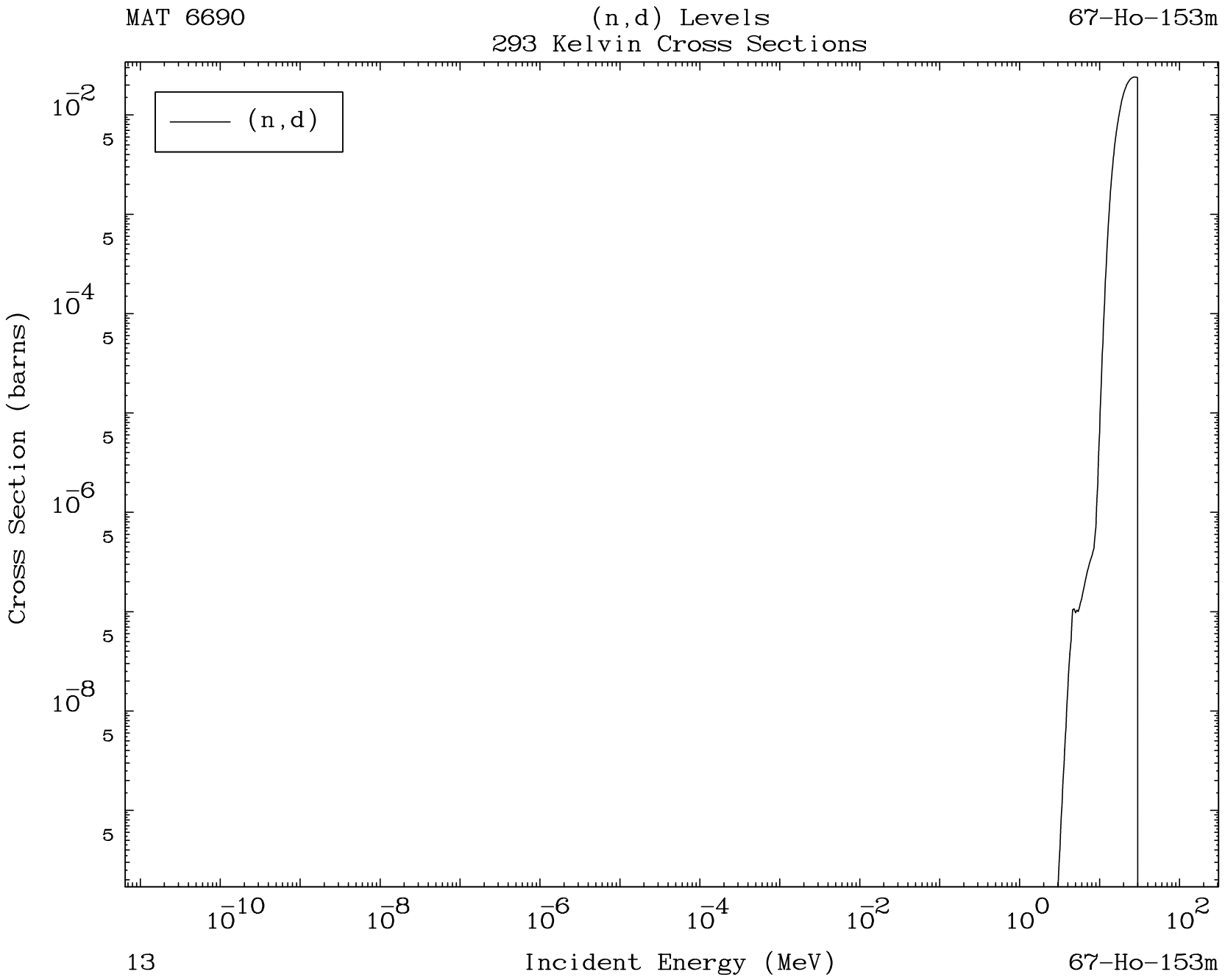

MAT 6690
Charged Particle
293 Kelvin Cross Sections
67-Ho-153m
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
8
67-Ho-153m

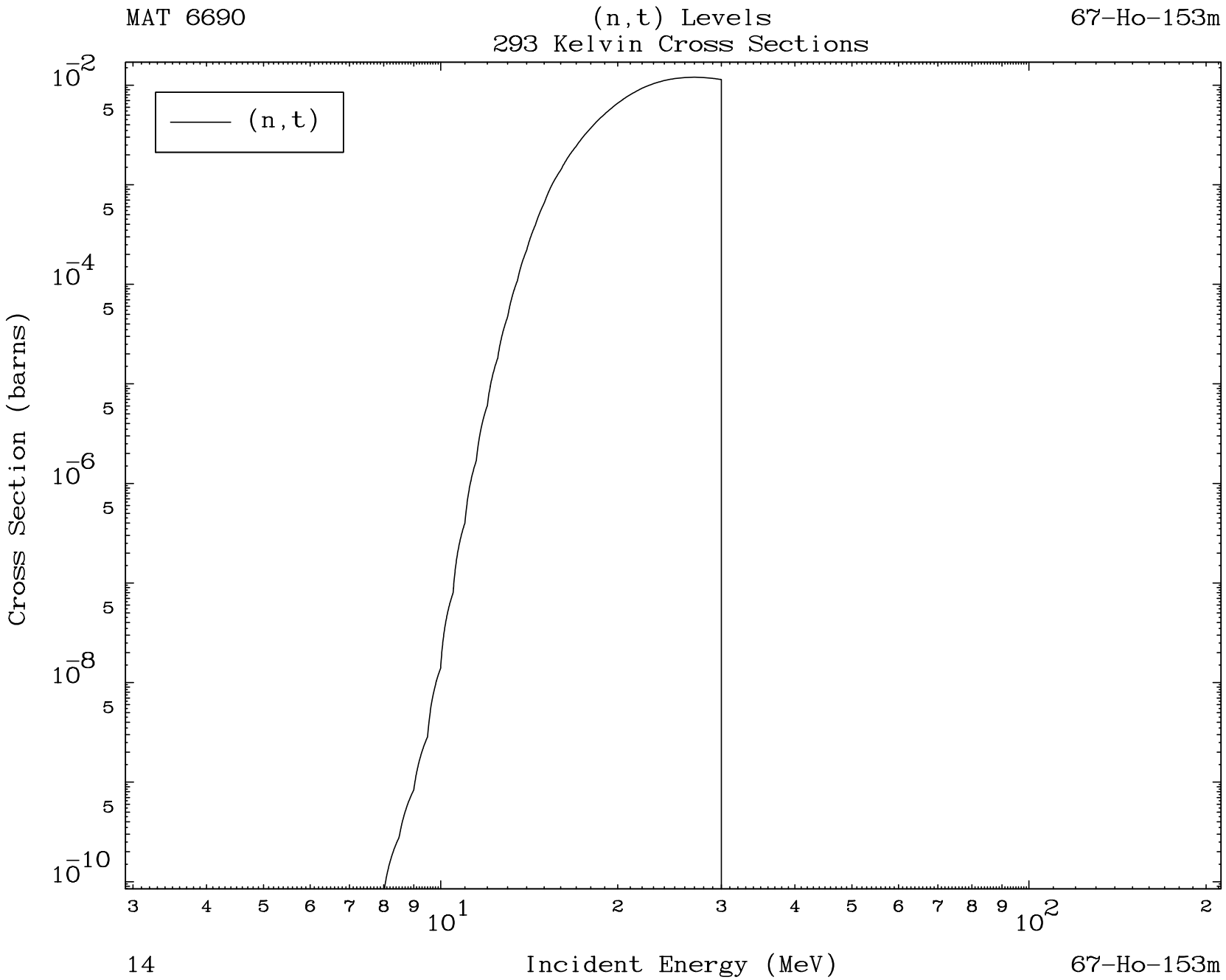

MAT 6690
Particle Production
293 Kelvin Cross Sections
67-Ho-153m
Cross Section (barns)
Incident Energy (MeV)
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
9
67-Ho-153m

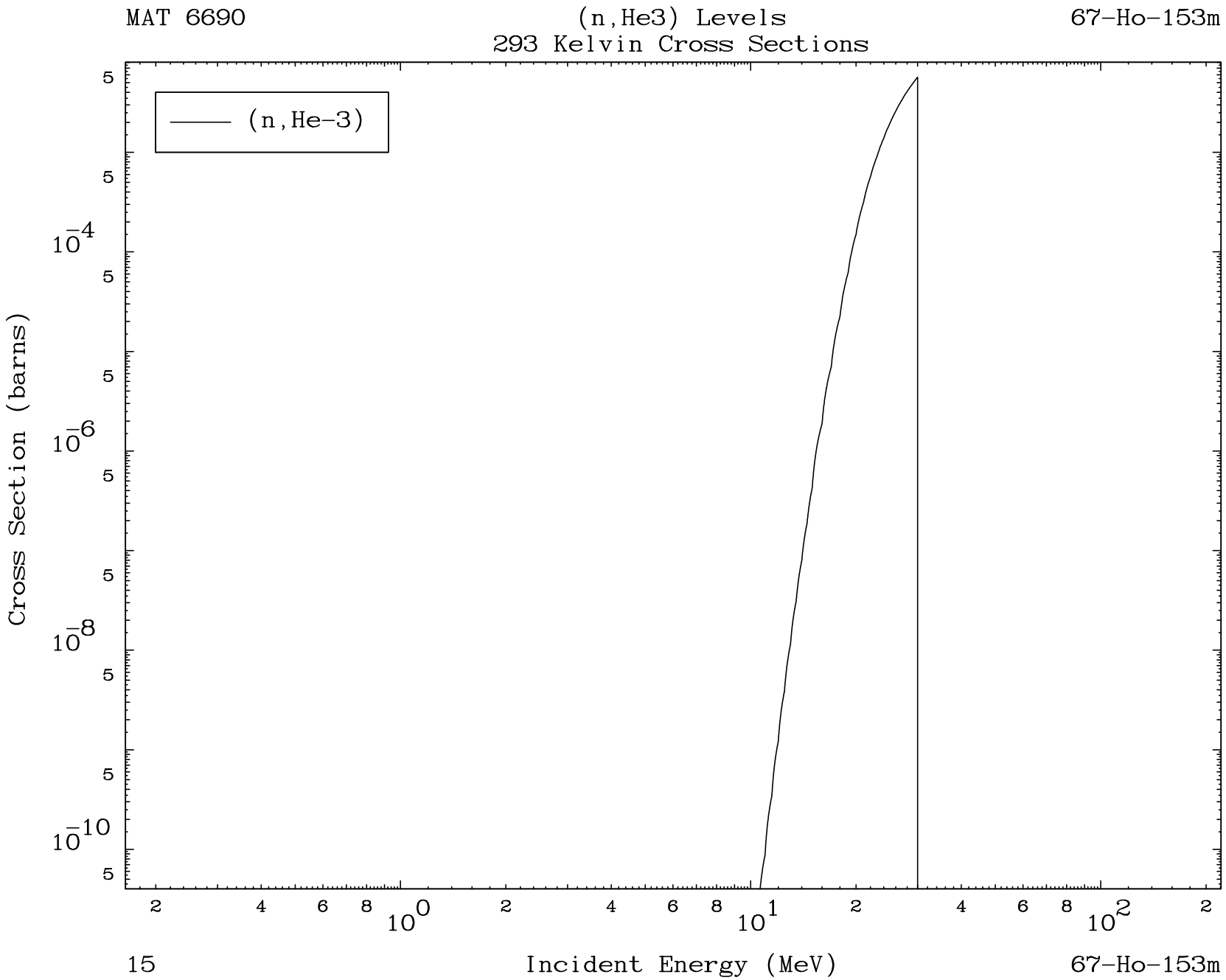

MAT 6690
(n,n') Levels
293 Kelvin Cross Sections
67-Ho-153m
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
MT= 59 (n,n') Level
MT= 60 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
67-Ho-153m
10

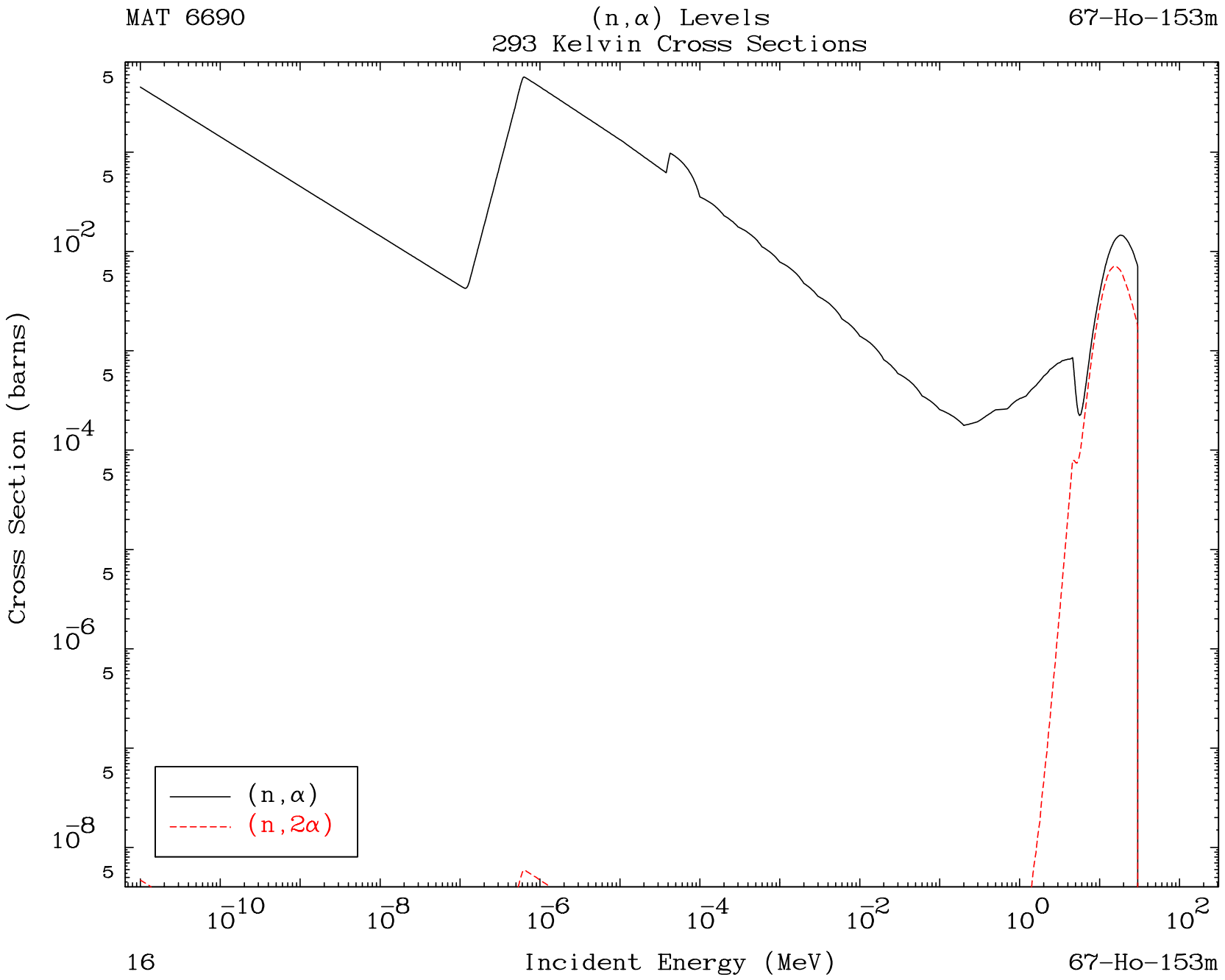

MAT 6690
(n,n') Levels
293 Kelvin Cross Sections
67-Ho-153m
Inelastic
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
MT= 67 (n,n') Level
MT= 68 (n,n') Level
MT= 69 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
11
67-Ho-153m

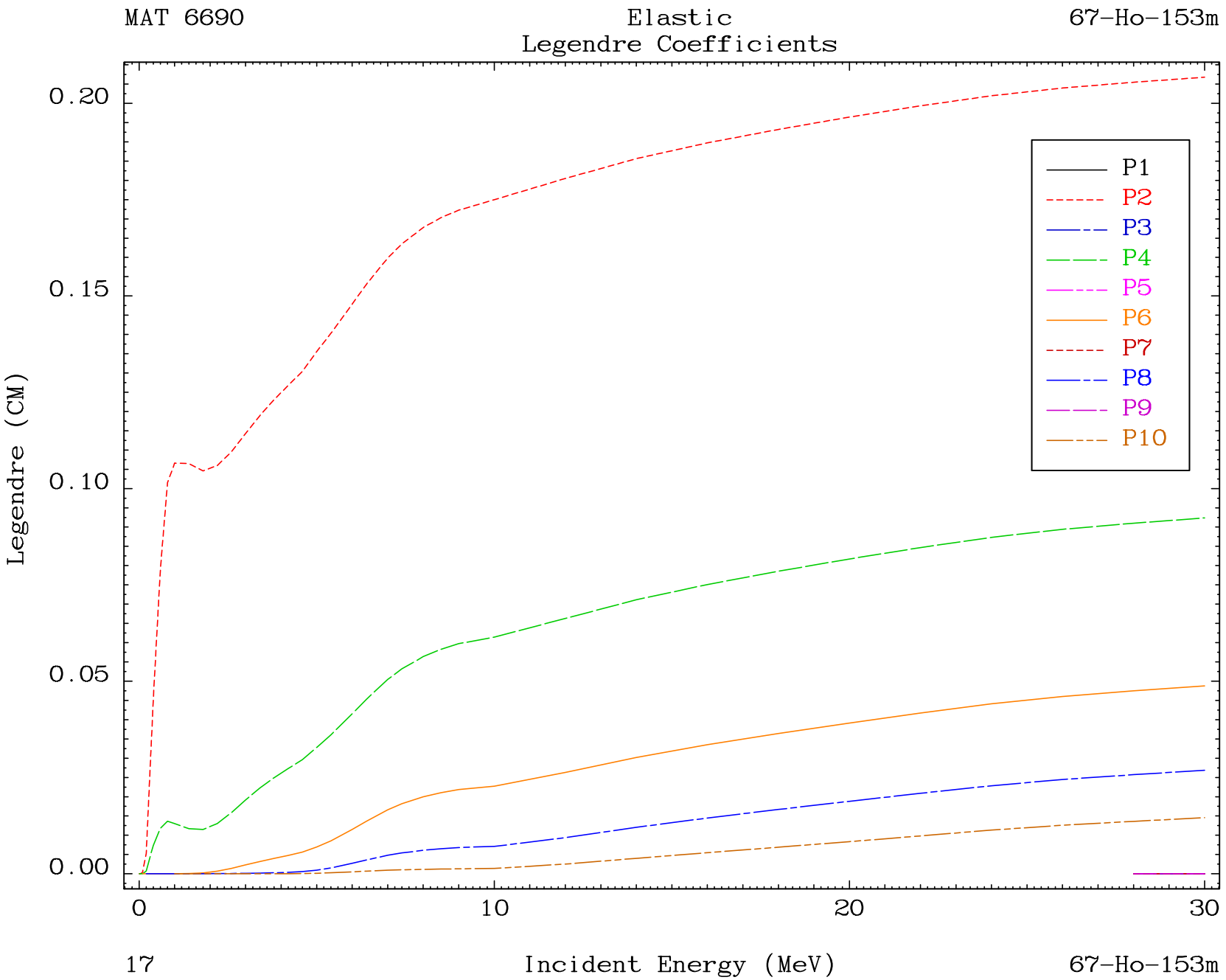

MAT 6690
(n,p) Levels
67-Ho-153m
293 Kelvin Cross Sections
Cross Section (barns)
(n,p)
Incident Energy (MeV)
12
67-Ho-153m

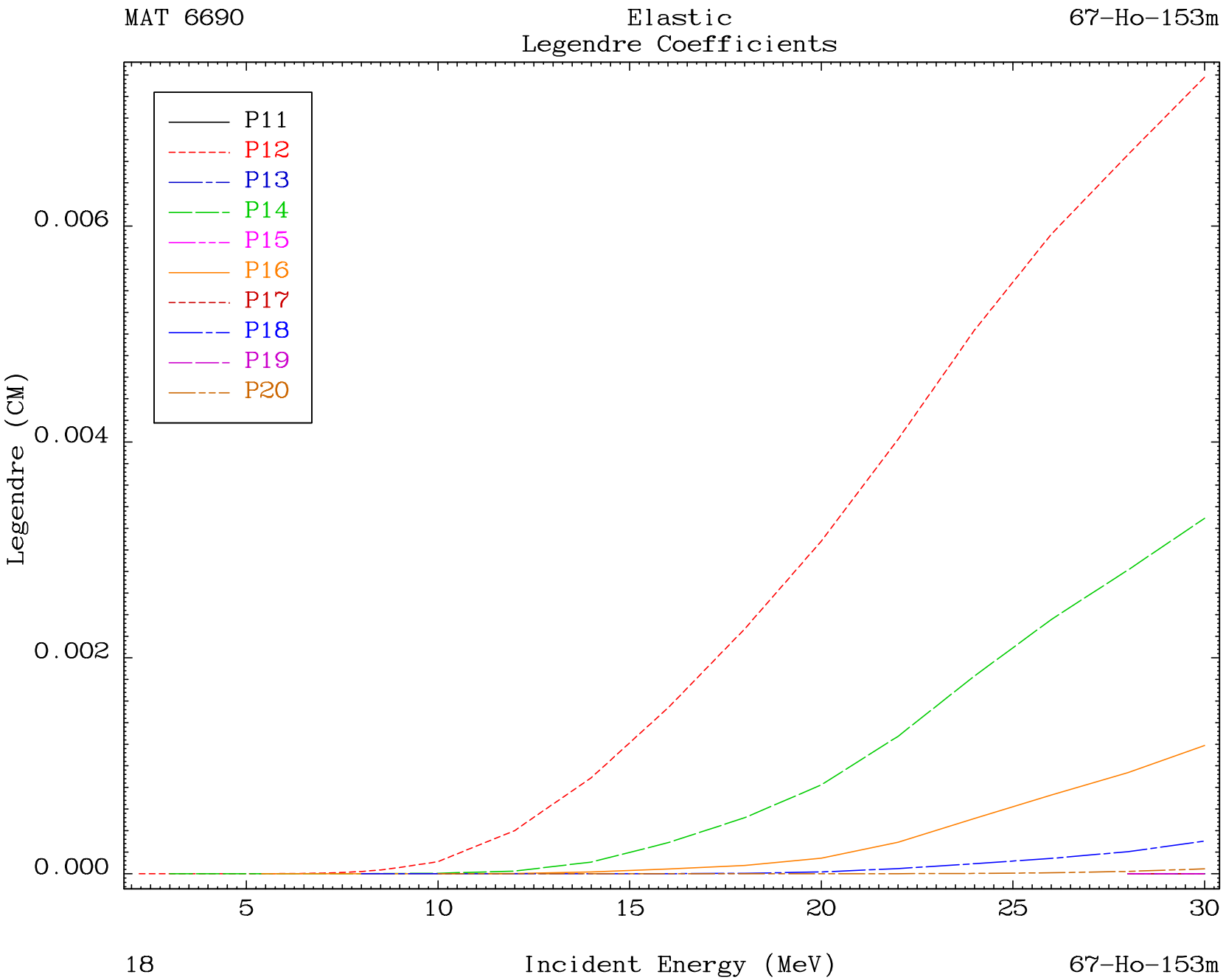

MAT 6690
(n,d) Levels
293 Kelvin Cross Sections
67-Ho-153m
(n,d)
Cross Section (barns)
Incident Energy (MeV)
13
67-Ho-153m

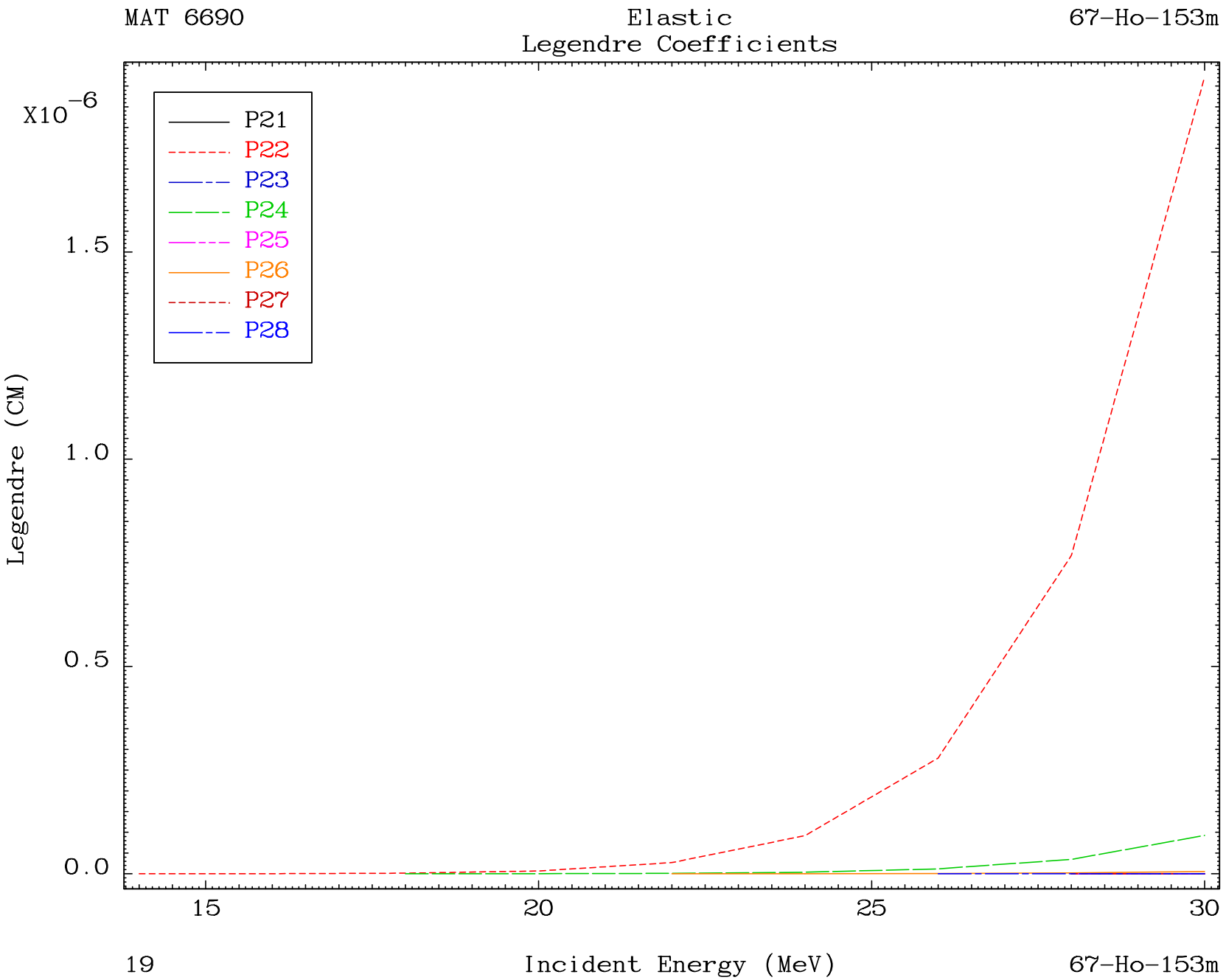

MAT 6690
(n,t) Levels
67-Ho-153m
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
14
67-Ho-153m

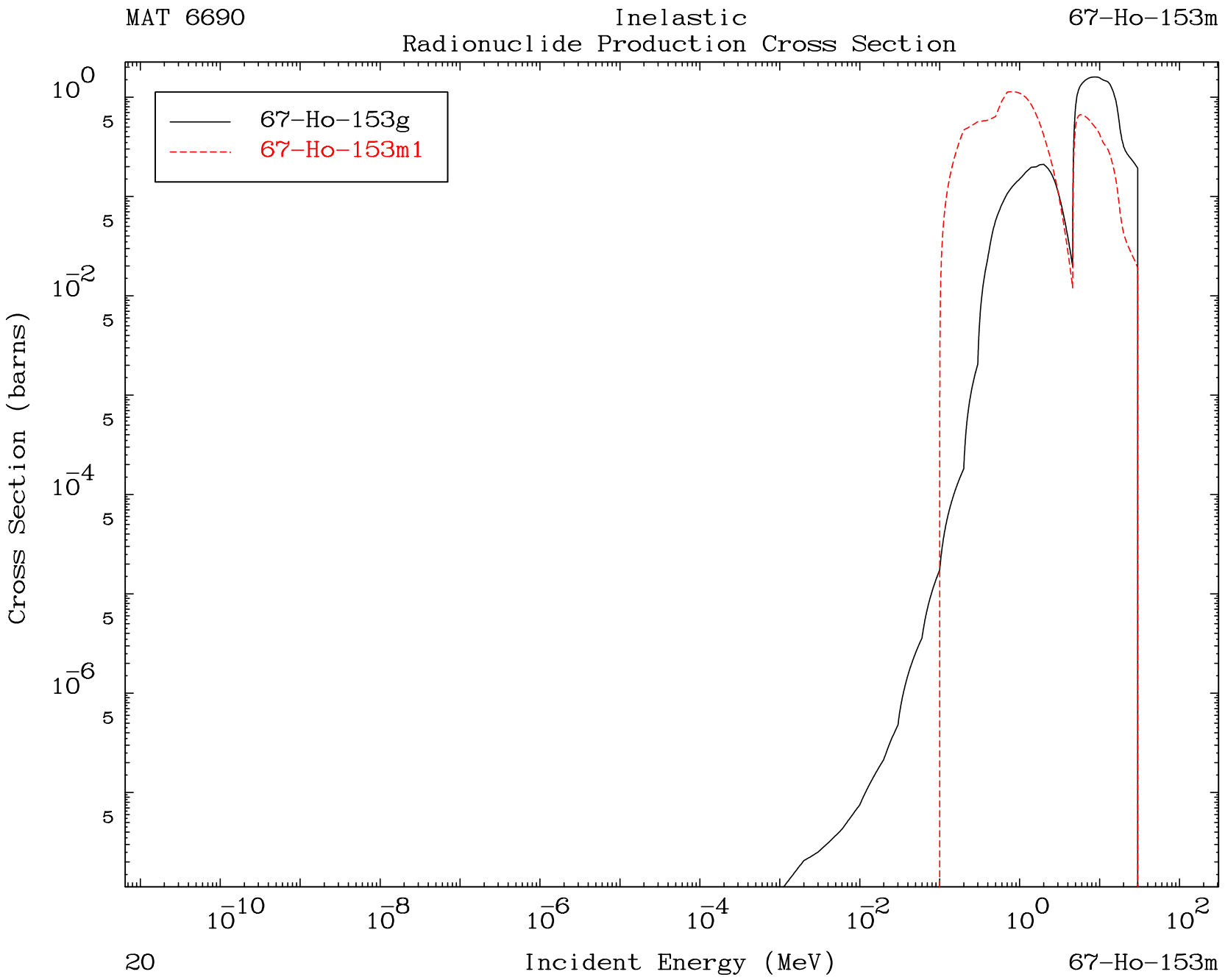

MAT 6690
(n,He3) Levels
293 Kelvin Cross Sections
67-Ho-153m
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
15
67-Ho-153m

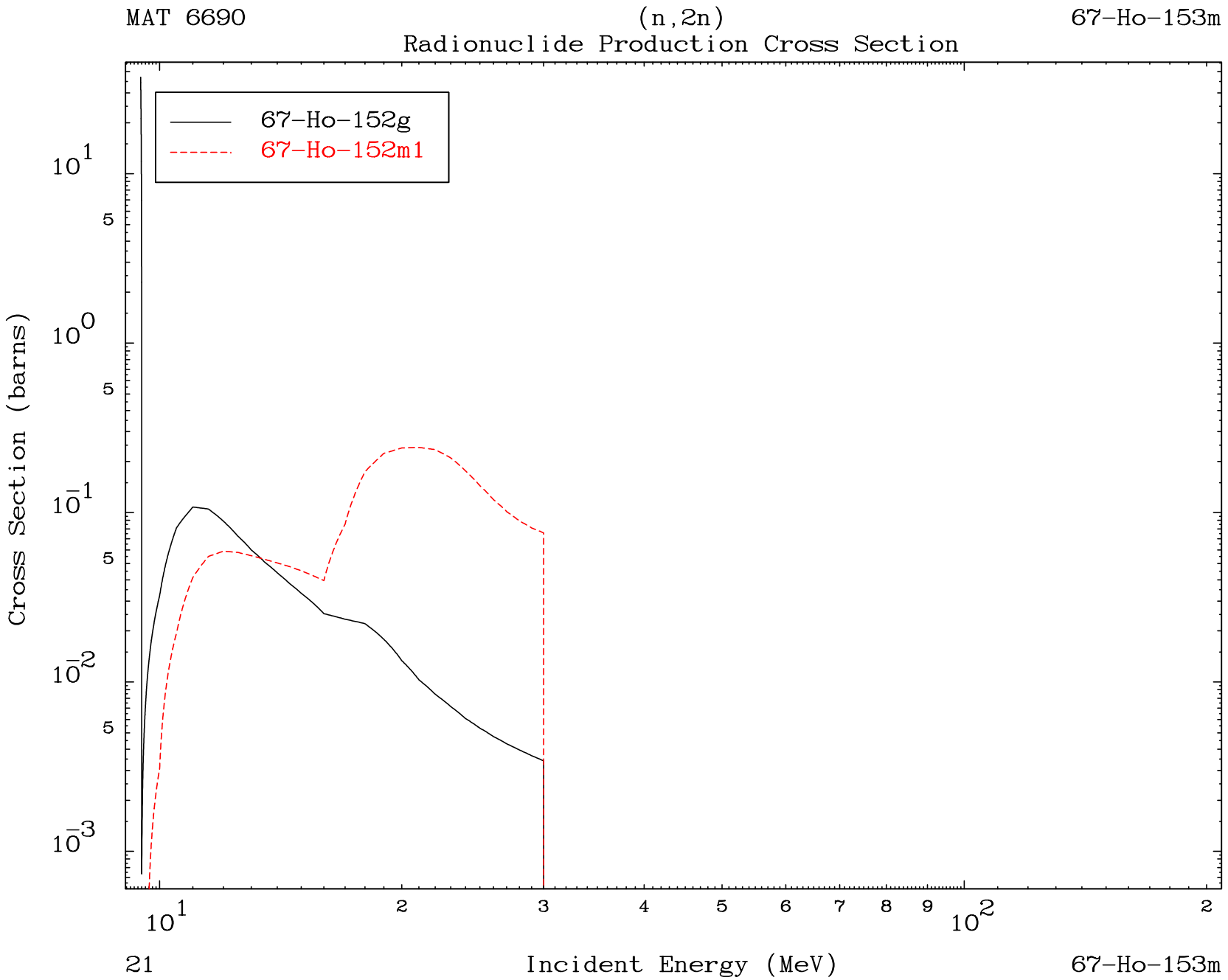

MAT 6690
(n,α) Levels
293 Kelvin Cross Sections
67-Ho-153m
Cross Section (barns)
Incident Energy (MeV)
(n,α)
(n,2α)
16
67-Ho-153m

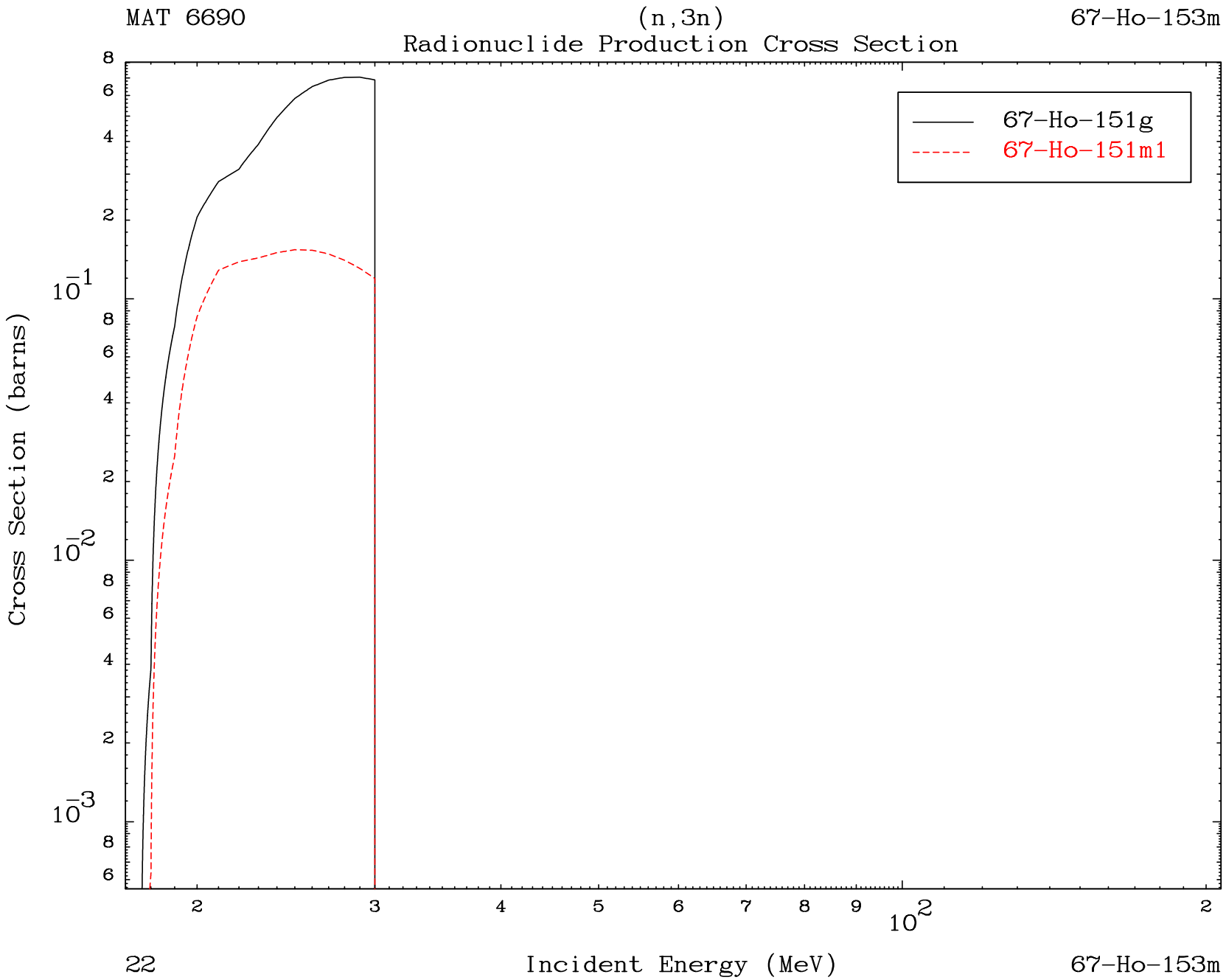

MAT 6690
Elastic
Legendre Coefficients
67-Ho-153m
0.20
0.15
0.10
0.05
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0
10
20
30
17
Incident Energy (MeV)
67-Ho-153m

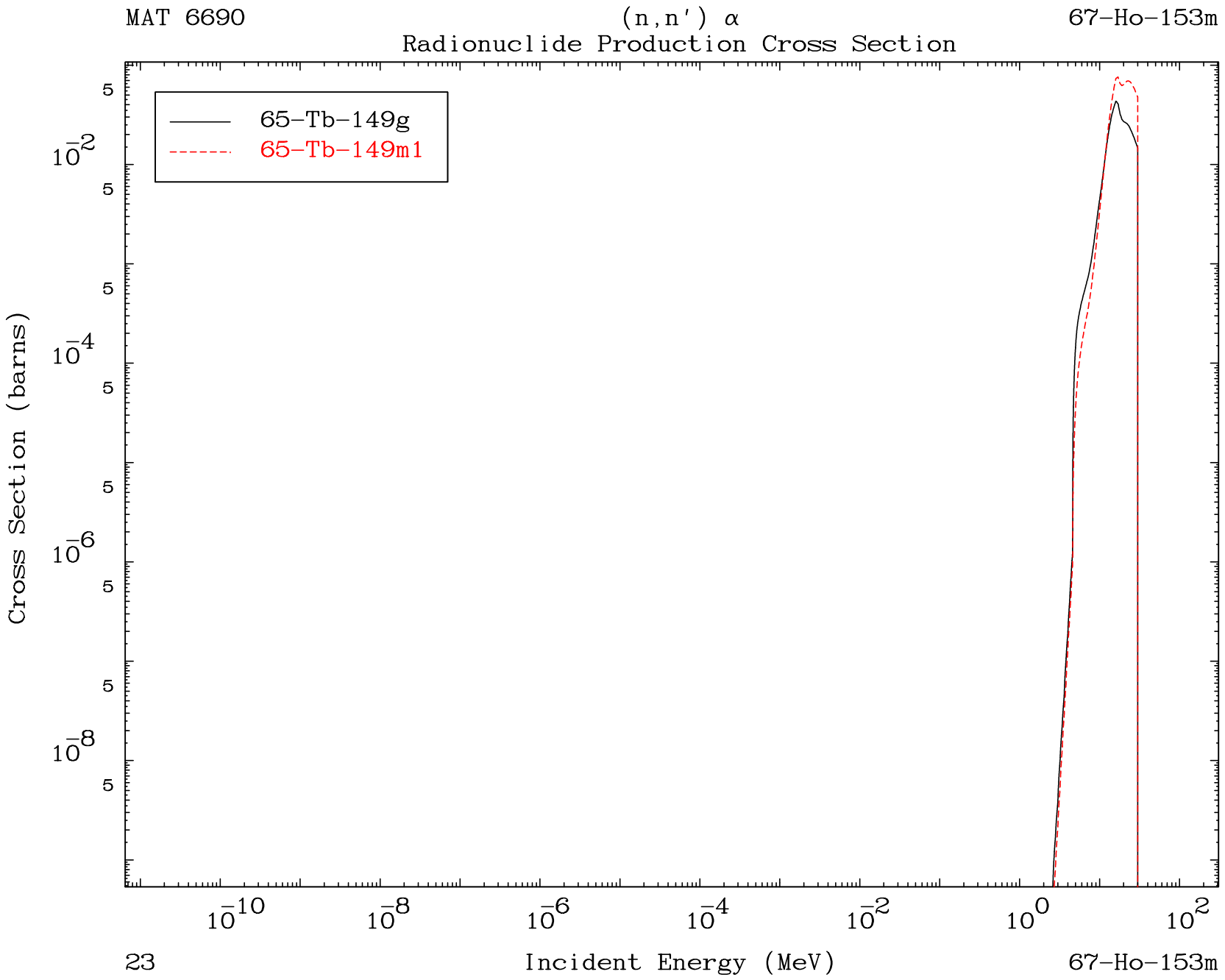

MAT 6690
Elastic
Legendre Coefficients
67-Ho-153m
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
Legendre (CM)
0.006
0.004
0.002
0.000
5
10
15
20
25
30
18
Incident Energy (MeV)
67-Ho-153m

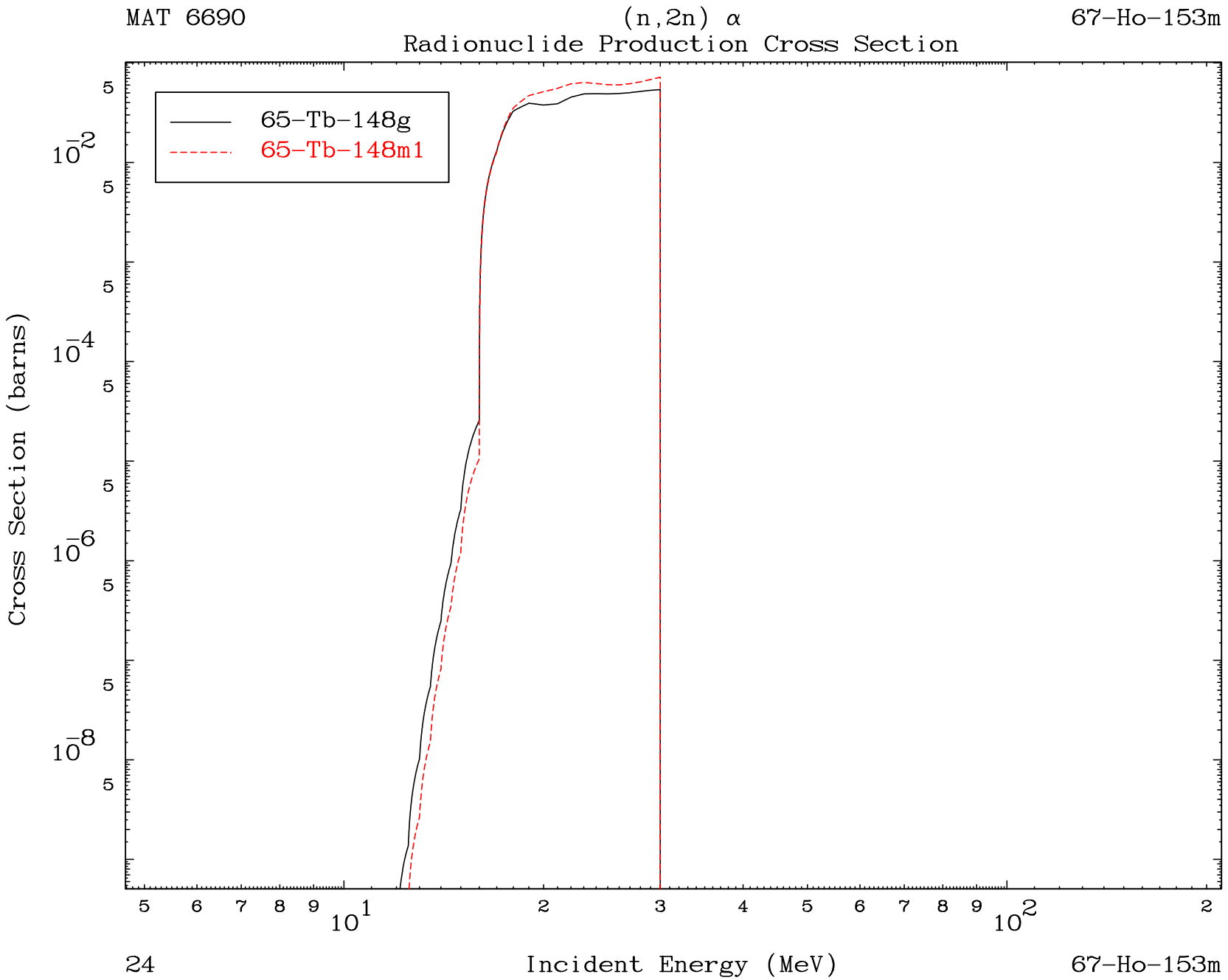

MAT 6690
Elastic
Legendre Coefficients
67-Ho-153m
X10^-6
1.5
1.0
0.5
0.0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
15
20
25
30
19
Incident Energy (MeV)
67-Ho-153m

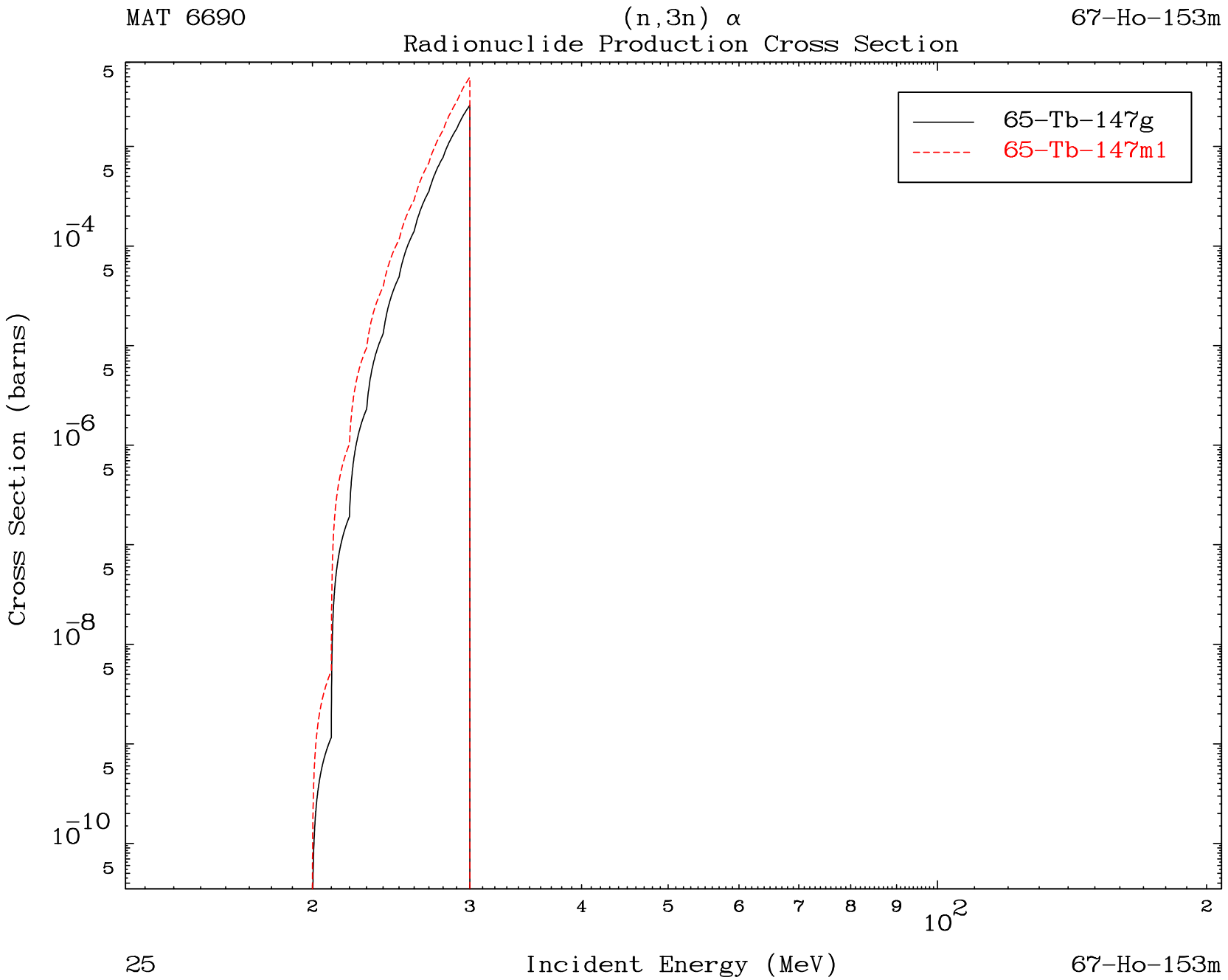

MAT 6690
Inelastic
67-Ho-153m
Radionuclide Production Cross Section
67-Ho-153g
67-Ho-153m1
Cross Section (barns)
Incident Energy (MeV)
20
67-Ho-153m

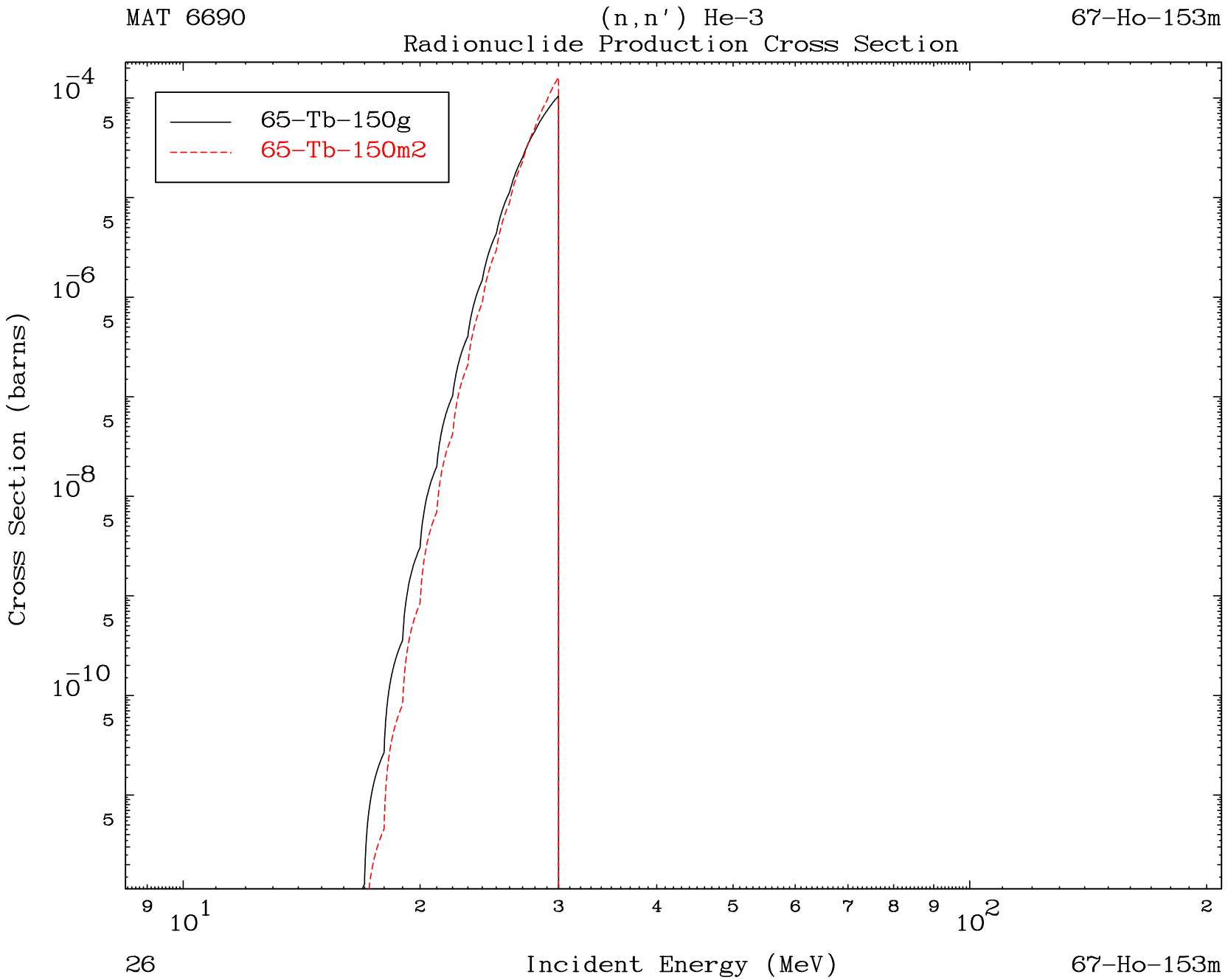

MAT 6690
(n,2n)
67-Ho-153m
Radionuclide Production Cross Section
67-Ho-152g
67-Ho-152m1
Cross Section (barns)
Incident Energy (MeV)
21
67-Ho-153m

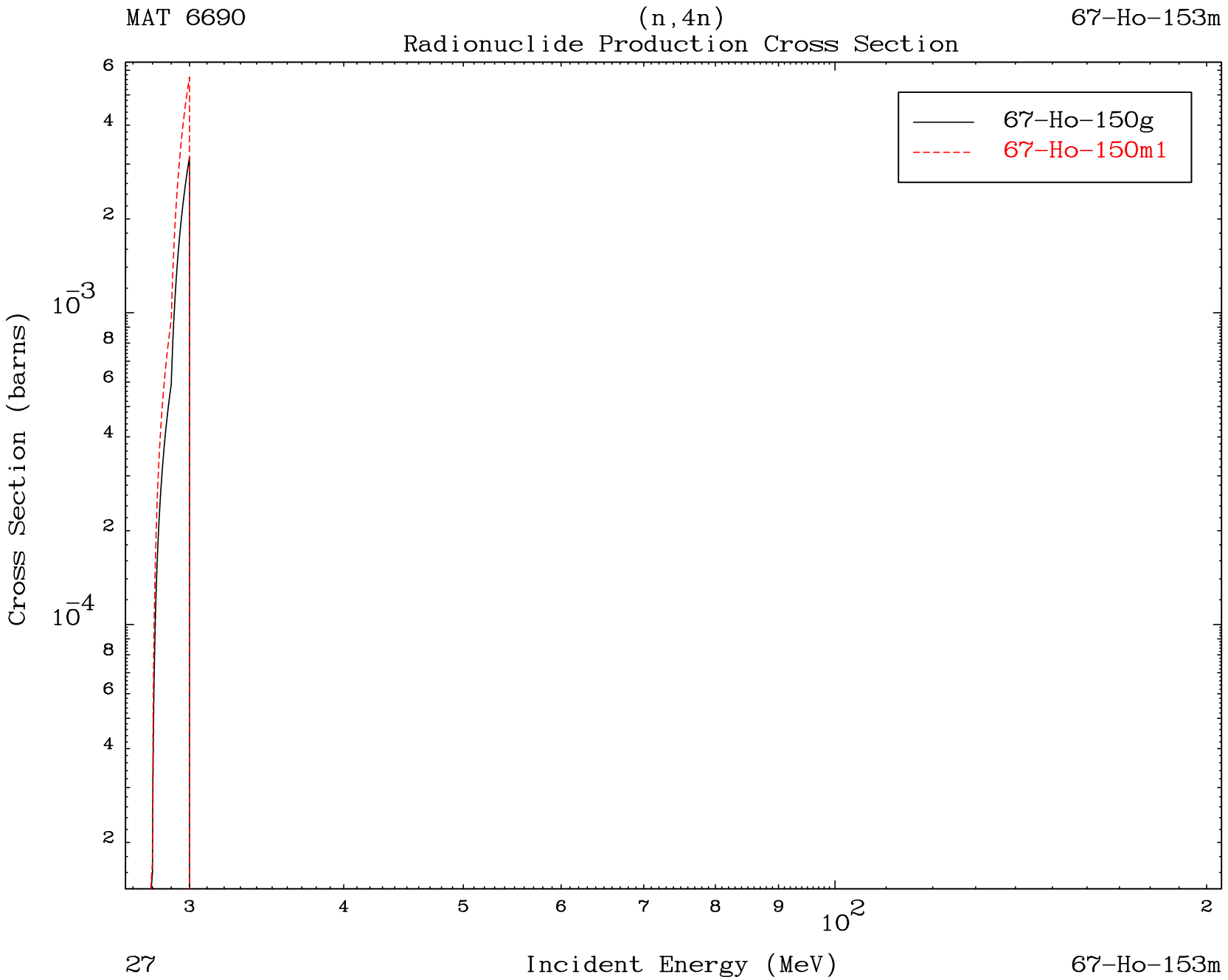

MAT 6690
(n,3n)
67-Ho-153m
Radionuclide Production Cross Section
67-Ho-151g
67-Ho-151m1
Cross Section (barns)
Incident Energy (MeV)
22
67-Ho-153m

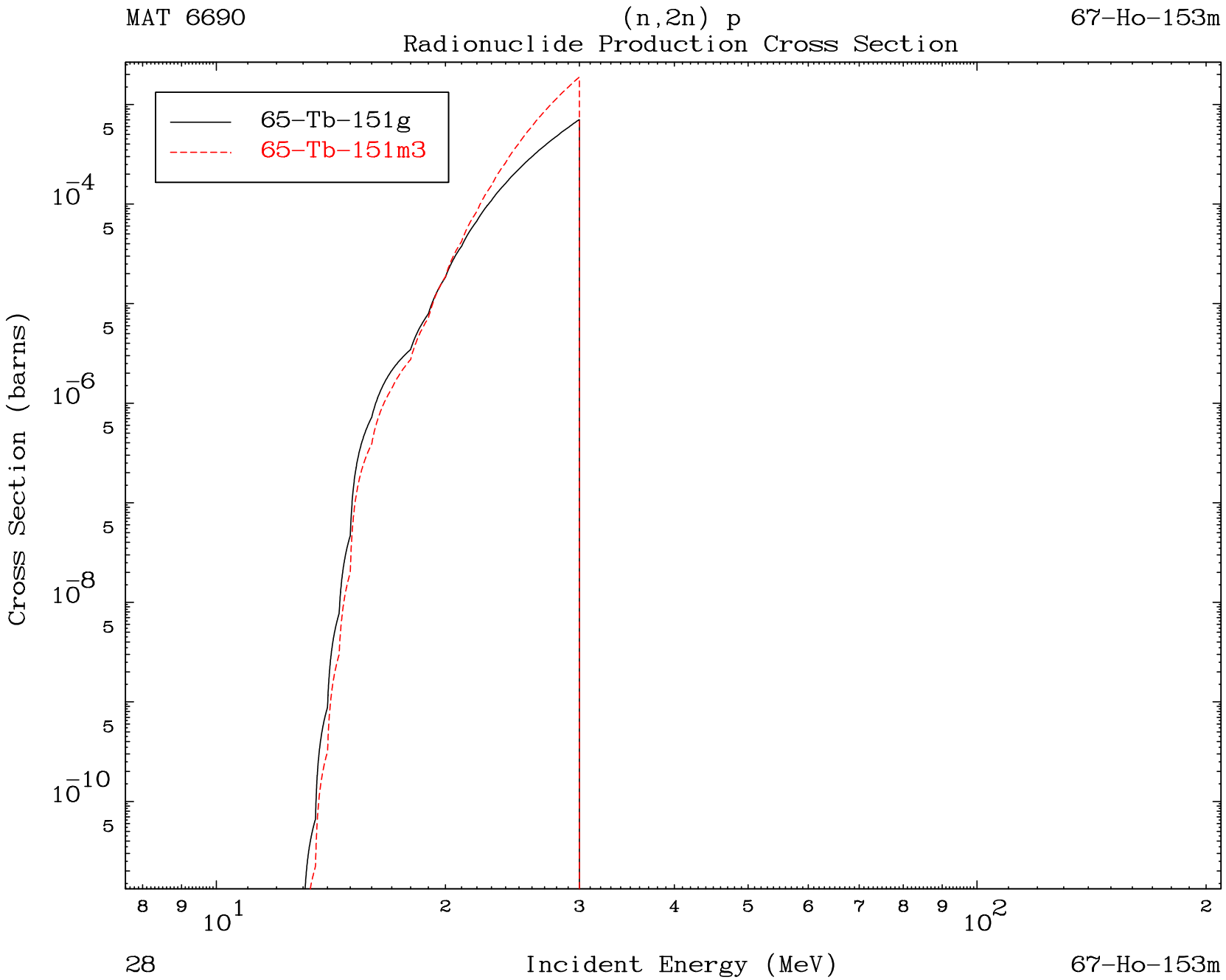

MAT 6690
(n,n') α
67-Ho-153m
Radionuclide Production Cross Section
65-Tb-149g
65-Tb-149m1
Cross Section (barns)
Incident Energy (MeV)
23
67-Ho-153m

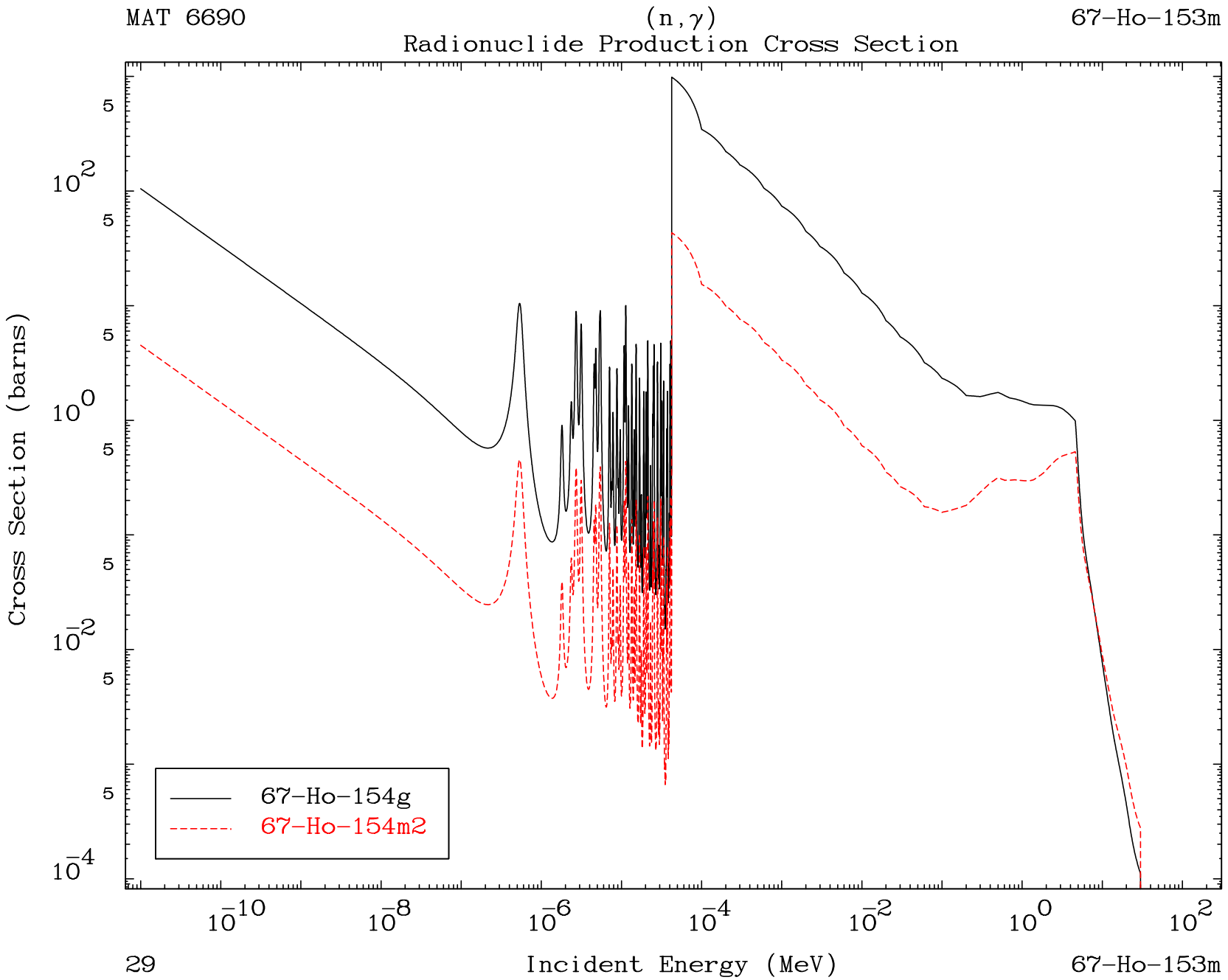

MAT 6690
(n,2n) α
67-Ho-153m
Radionuclide Production Cross Section
65-Tb-148g
65-Tb-148m1
Cross Section (barns)
Incident Energy (MeV)
24
67-Ho-153m

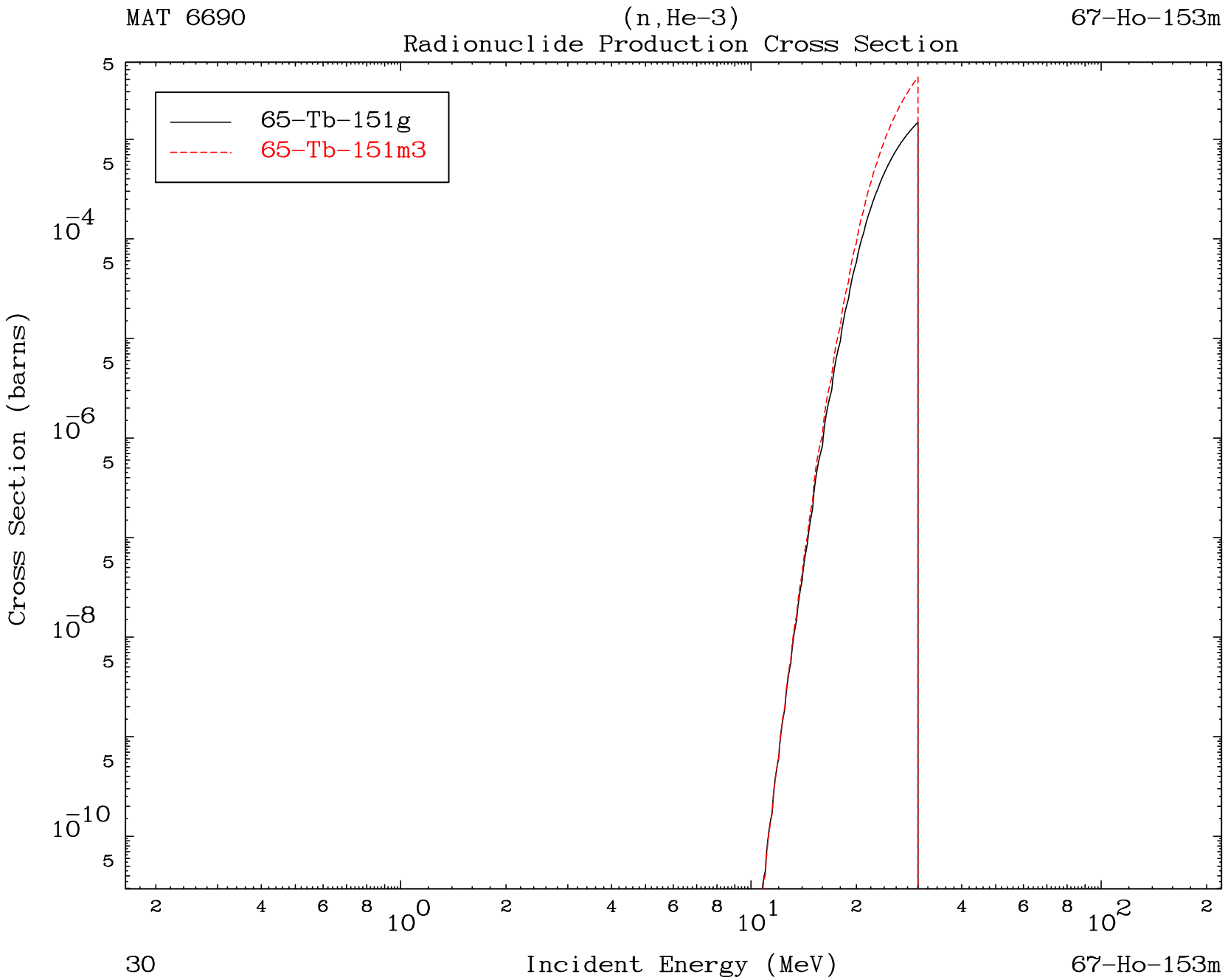

MAT 6690
(n,3n) α
67-Ho-153m
Radionuclide Production Cross Section
65-Tb-147g
65-Tb-147m1
Cross Section (barns)
Incident Energy (MeV)
25
67-Ho-153m

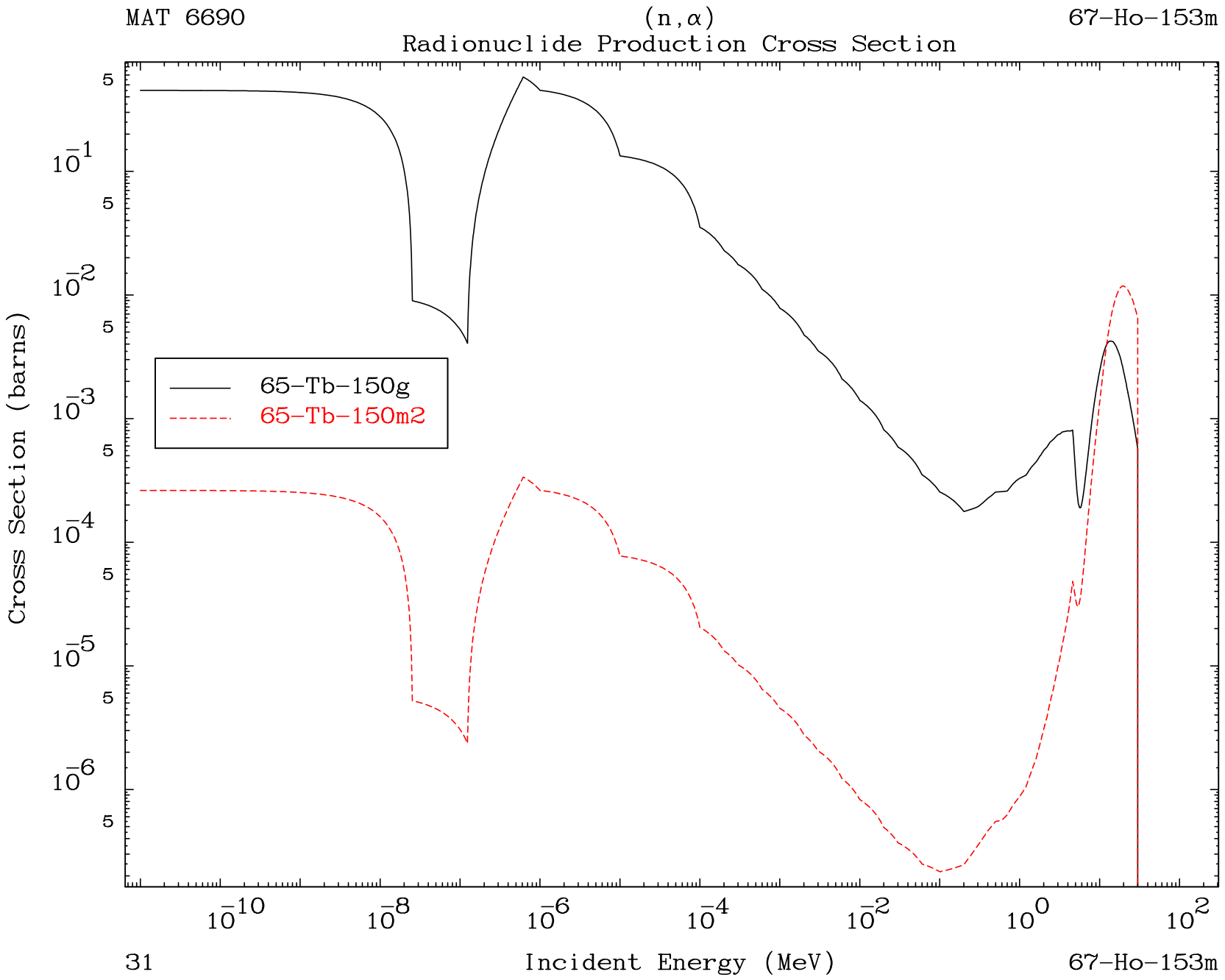

MAT 6690
(n,n') He-3
67-Ho-153m
Radionuclide Production Cross Section
65-Tb-150g
65-Tb-150m2
Cross Section (barns)
Incident Energy (MeV)
26
67-Ho-153m

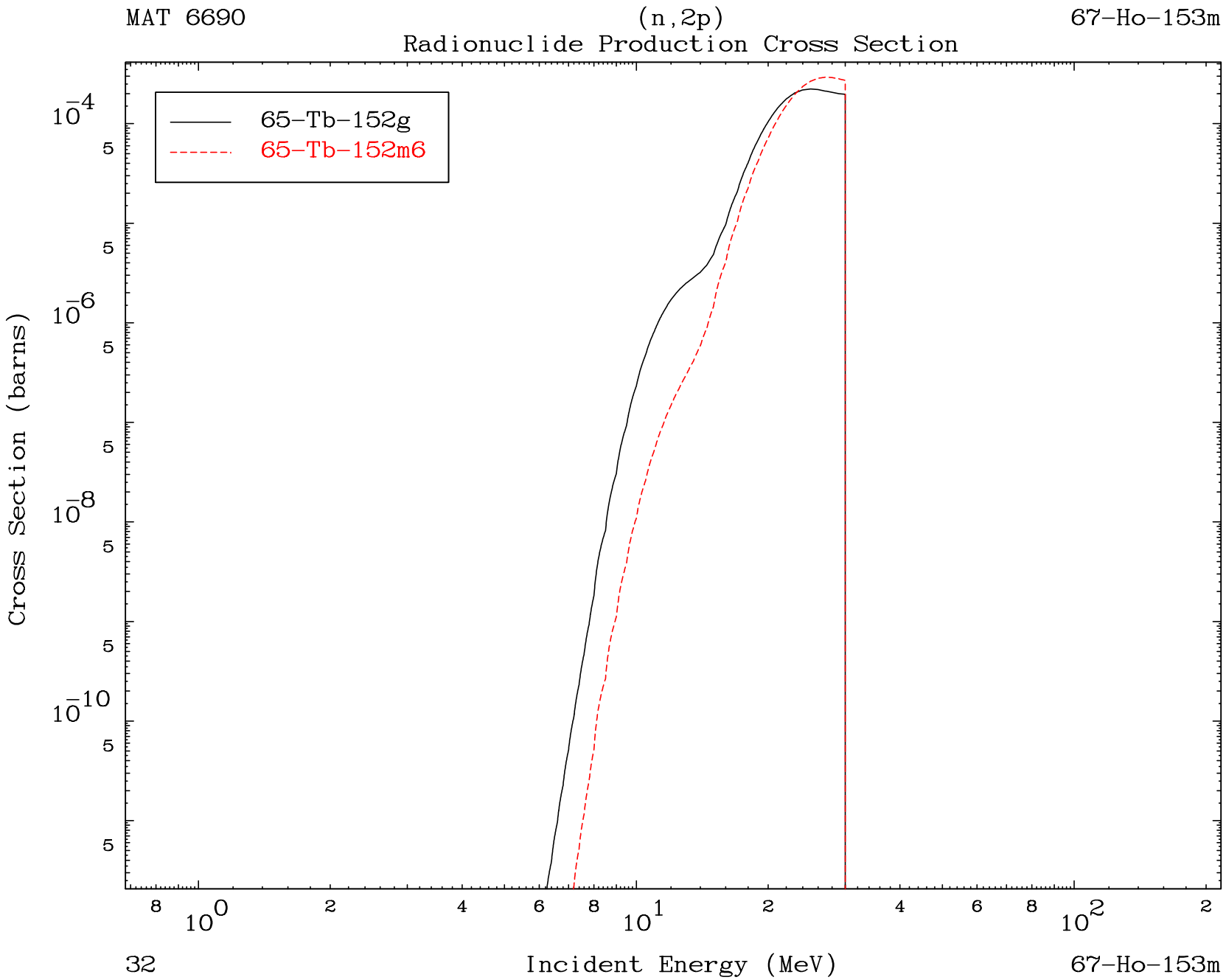

MAT 6690
(n,4n)
67-Ho-153m
Radionuclide Production Cross Section
67-Ho-150g
67-Ho-150m1
Cross Section (barns)
10-3
10-4
6
4
2
8
6
4
2
8
6
4
2
3
4
5
6
7
8
9
10 2
2
27
Incident Energy (MeV)
67-Ho-153m

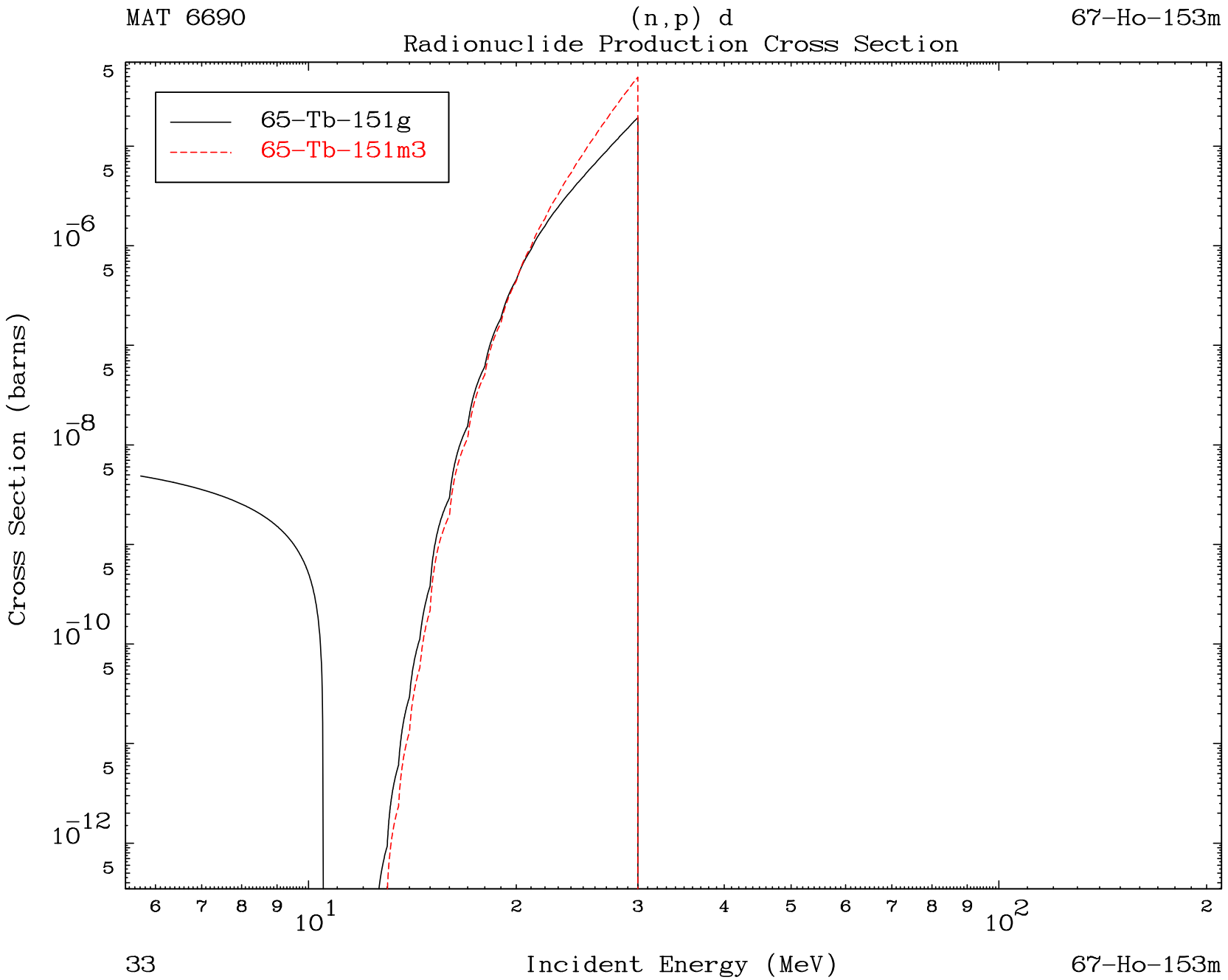

MAT 6690
(n,2n) p
67-Ho-153m
Radionuclide Production Cross Section
65-Tb-151g
65-Tb-151m3
Cross Section (barns)
Incident Energy (MeV)
28
67-Ho-153m

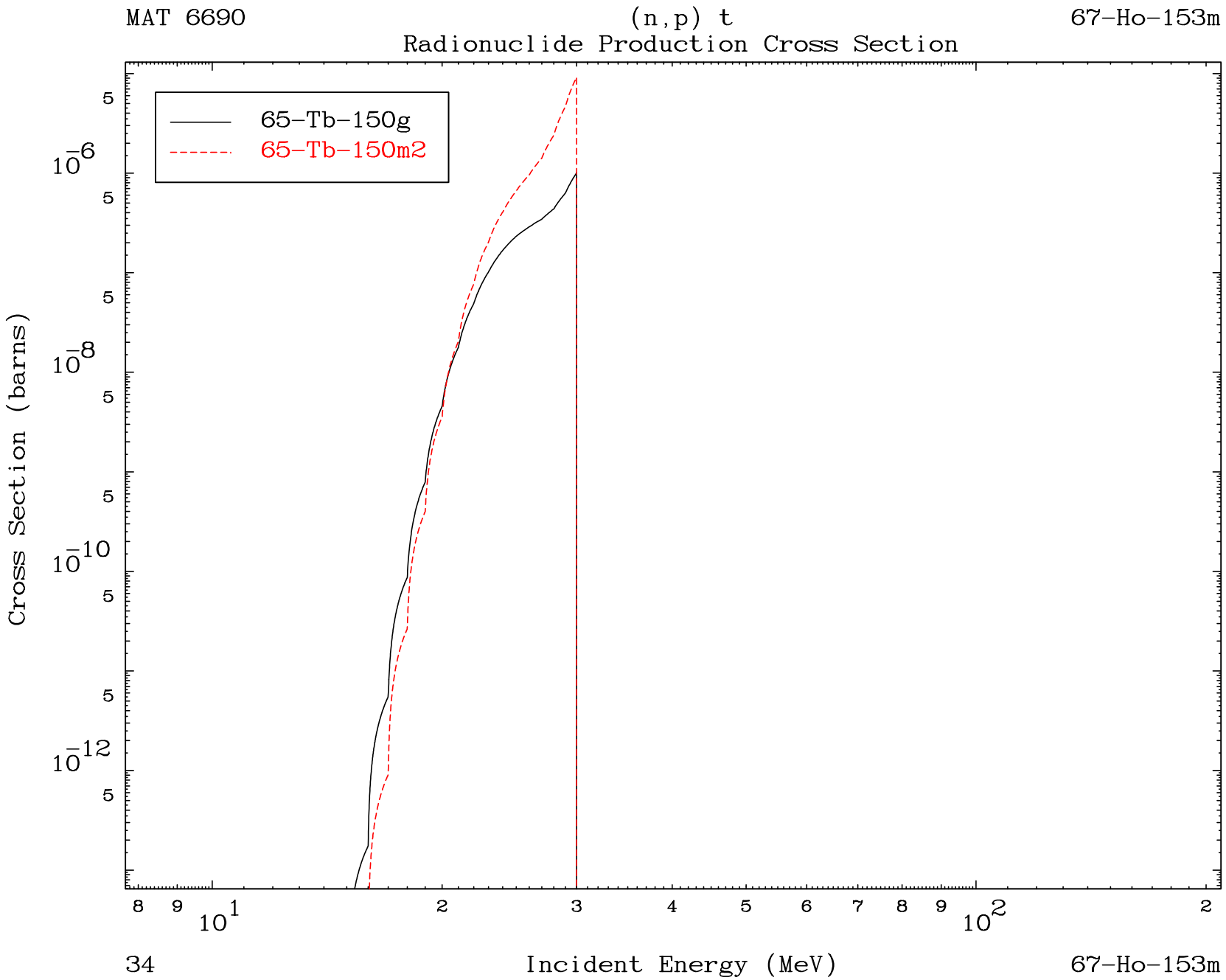

MAT 6690
(n,γ)
67-Ho-153m
Radionuclide Production Cross Section
Cross Section (barns)
10^2
10^0
10^-2
10^-4
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
67-Ho-154g
67-Ho-154m2
29
Incident Energy (MeV)
67-Ho-153m


MAT 6690
(n,He-3)
67-Ho-153m
Radionuclide Production Cross Section
65-Tb-151g
65-Tb-151m3
Cross Section (barns)
Incident Energy (MeV)
30
67-Ho-153m


MAT 6690
(n,α)
67-Ho-153m
Radionuclide Production Cross Section
Cross Section (barns)
65-Tb-150g
65-Tb-150m2
Incident Energy (MeV)
31
67-Ho-153m


MAT 6690
(n,2p)
67-Ho-153m
Radionuclide Production Cross Section
65-Tb-152g
65-Tb-152m6
Cross Section (barns)
10-4
10-6
10-8
10-10
5
100
2
4
6
8
101
102
32
Incident Energy (MeV)
67-Ho-153m


MAT 6690
(n,p) d
67-Ho-153m
Radionuclide Production Cross Section
65-Tb-151g
65-Tb-151m3
Cross Section (barns)
Incident Energy (MeV)
33
67-Ho-153m


MAT 6690
(n,p) t
67-Ho-153m
Radionuclide Production Cross Section
65-Tb-150g
65-Tb-150m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
34
Incident Energy (MeV)
67-Ho-153m