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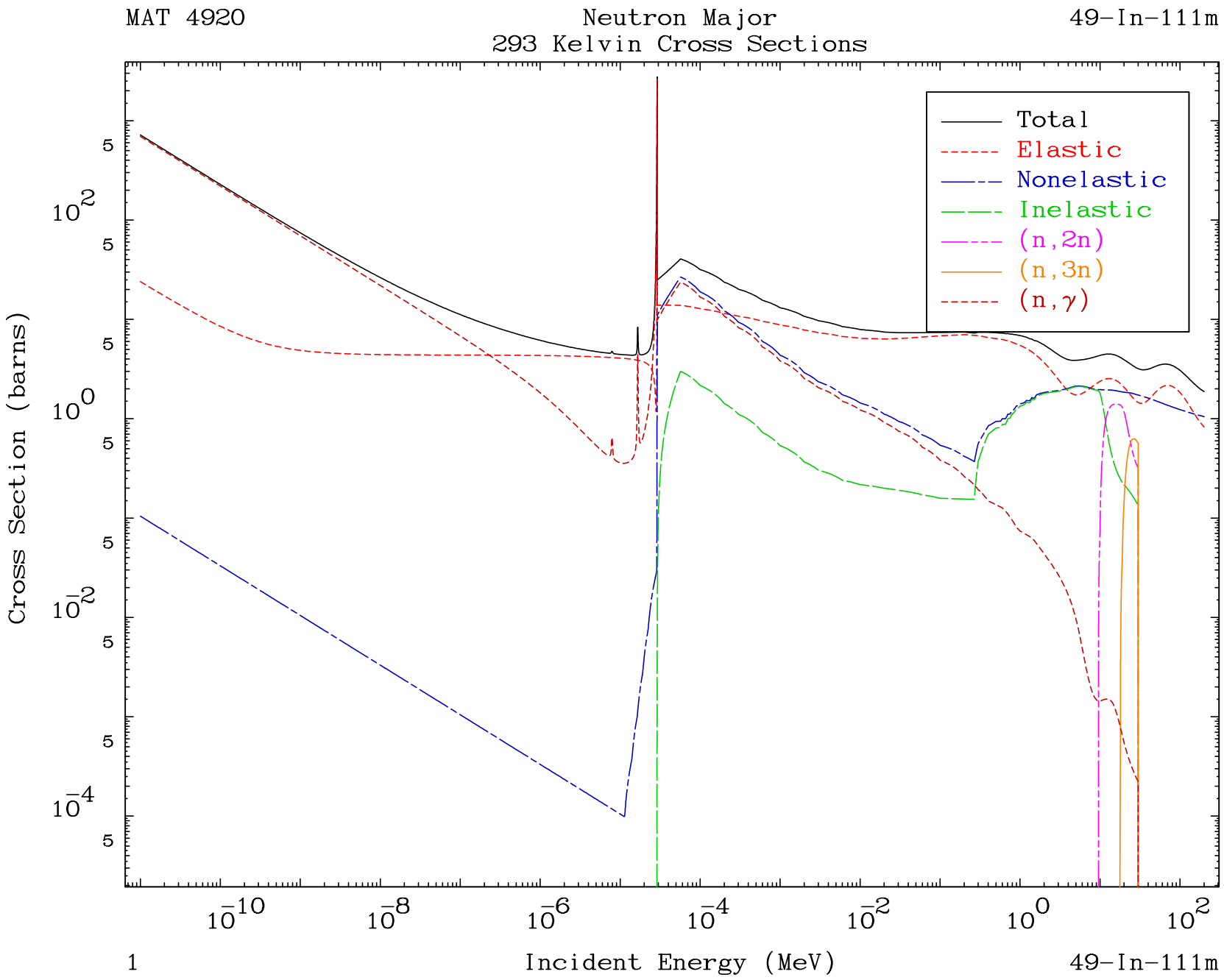
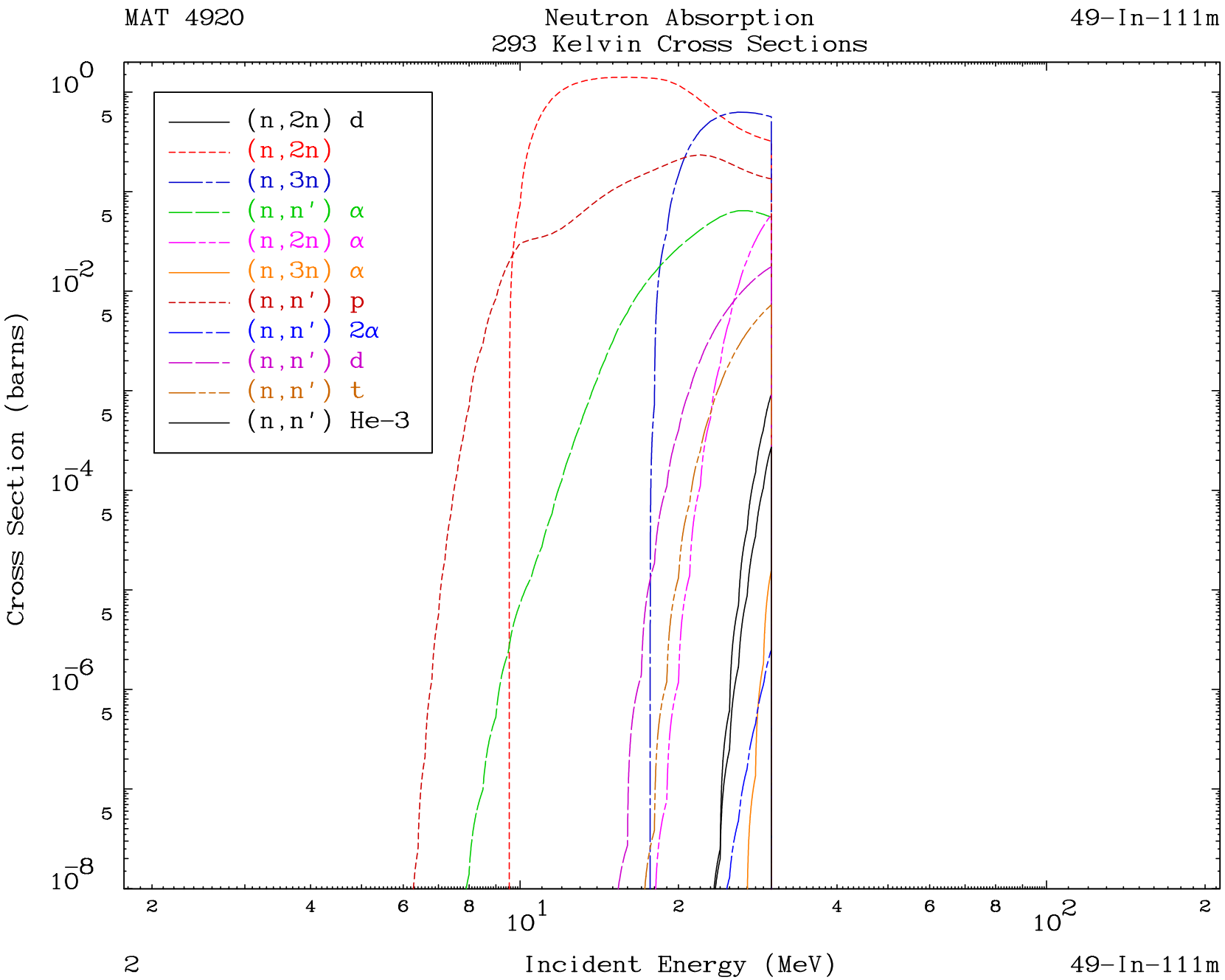
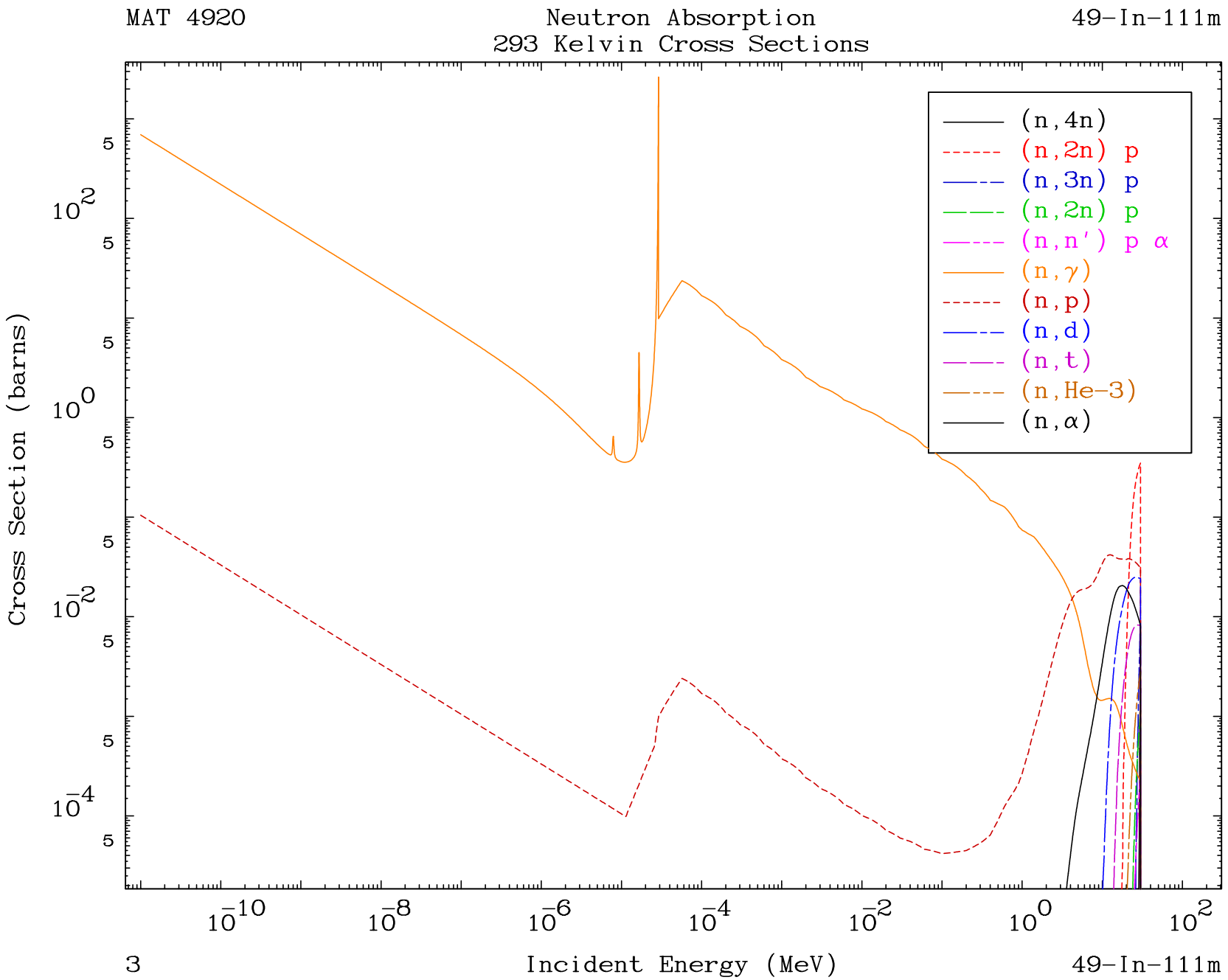
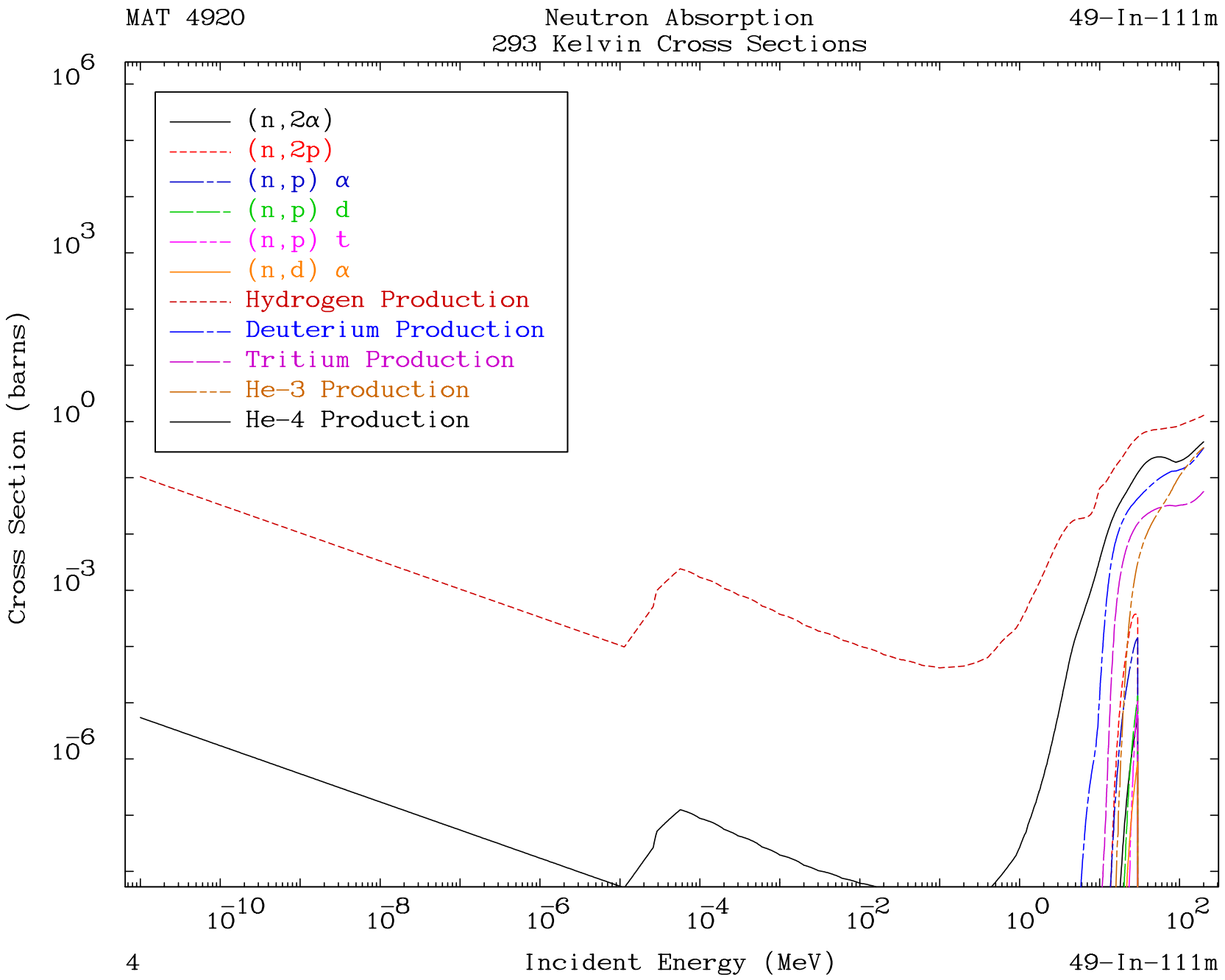
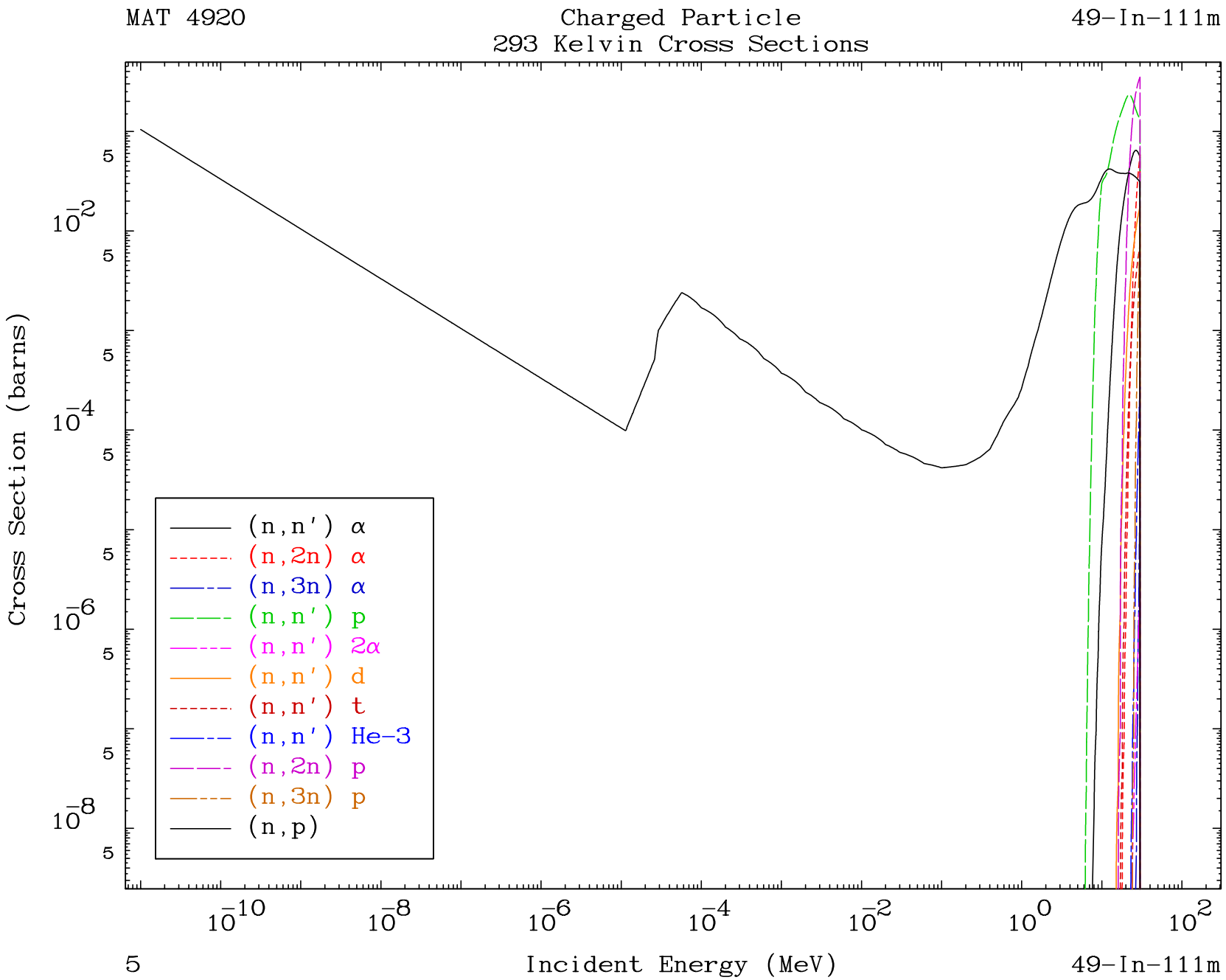
Press Mouse Button to Start

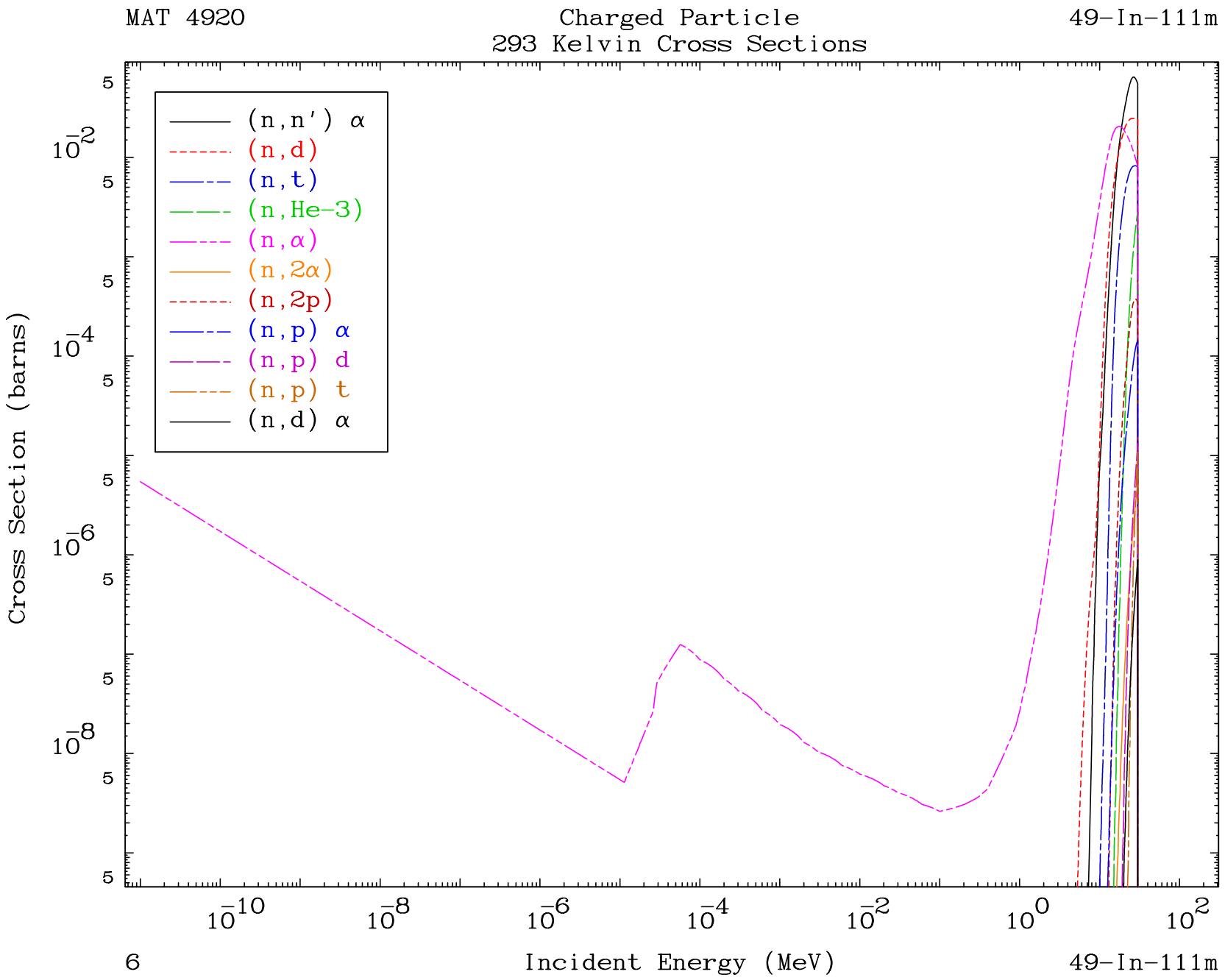

MAT 4920
Neutron Major
293 Kelvin Cross Sections
49-In-111m
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
49-In-111m
1

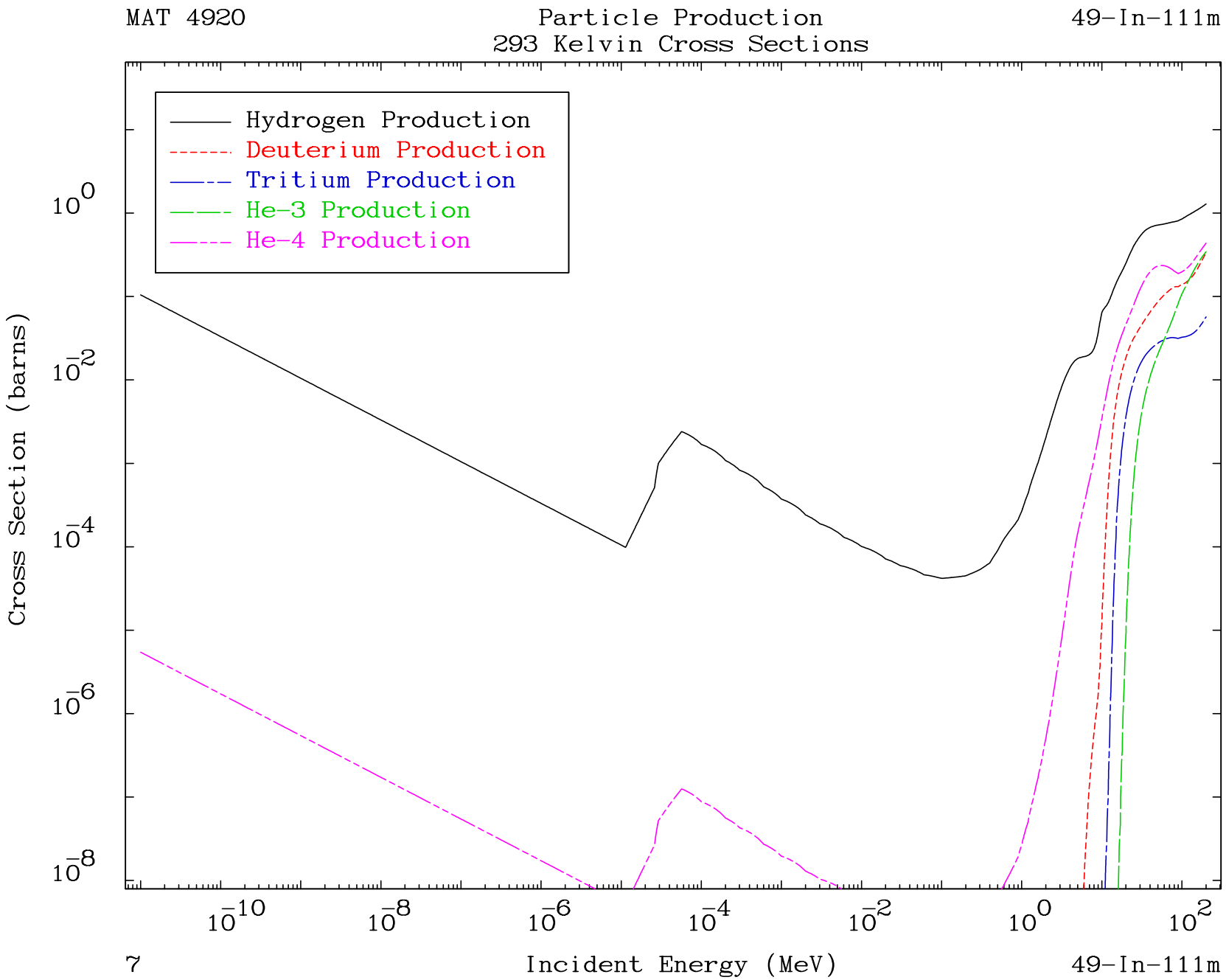

MAT 4920
Neutron Absorption
293 Kelvin Cross Sections
49-In-111m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
Cross Section (barns)
Incident Energy (MeV)
49-In-111m

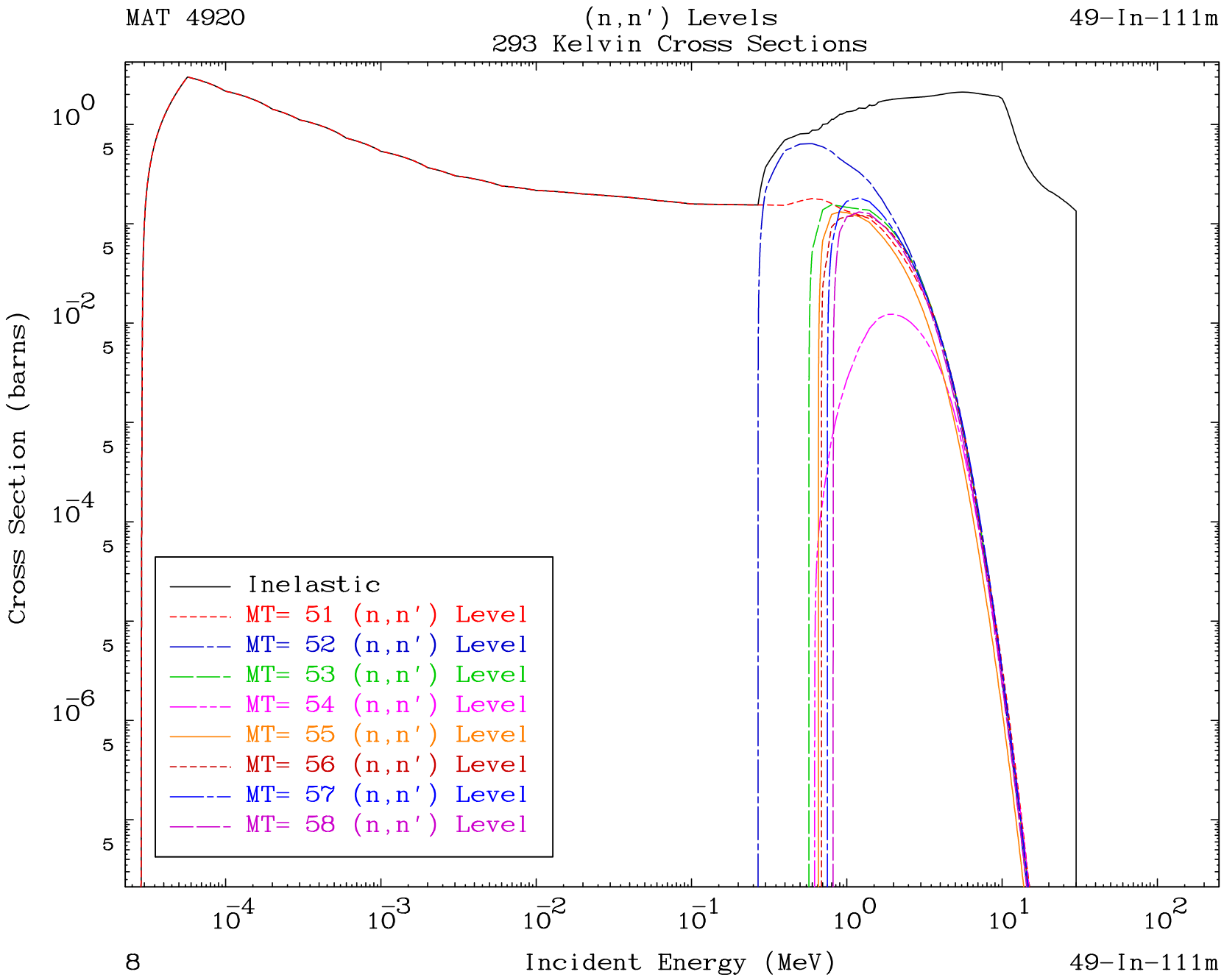

MAT 4920
Neutron Absorption
293 Kelvin Cross Sections
49-In-111m
Cross Section (barns)
Incident Energy (MeV)
3
49-In-111m
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)

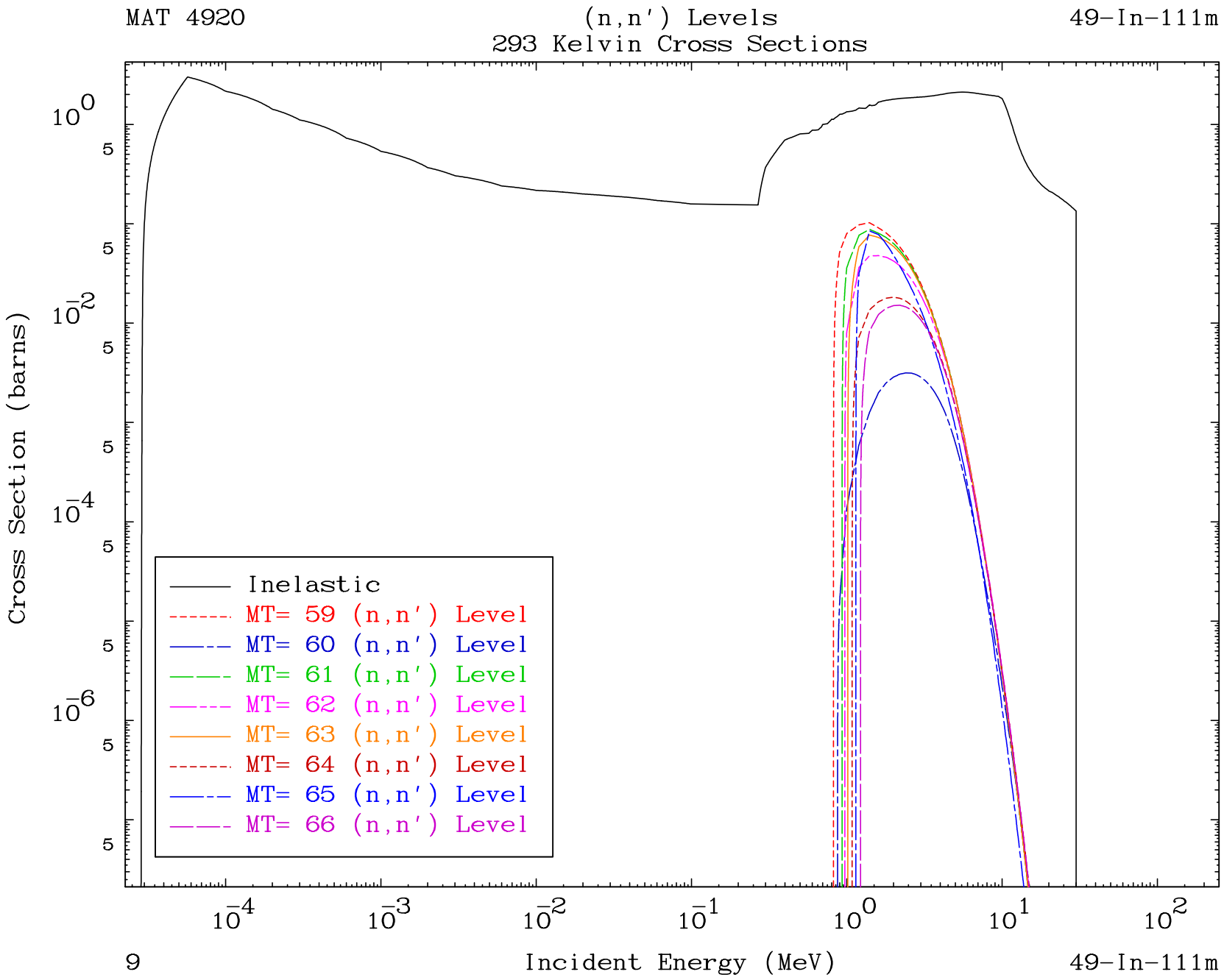

MAT 4920
Neutron Absorption
293 Kelvin Cross Sections
49-In-111m
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Cross Section (barns)
Incident Energy (MeV)
4
49-In-111m

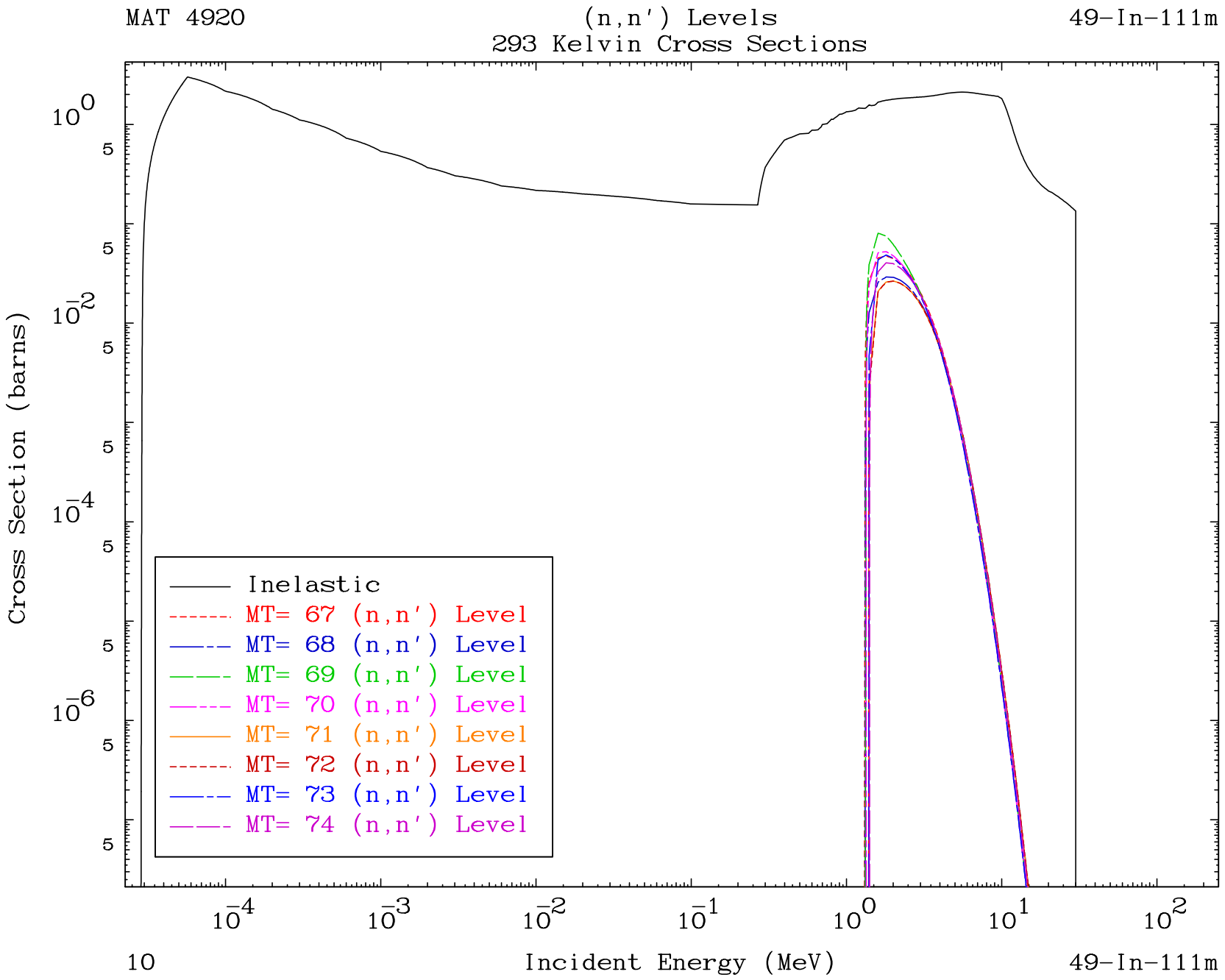

MAT 4920
Charged Particle
293 Kelvin Cross Sections
49-In-111m
Cross Section (barns)
Incident Energy (MeV)
49-In-111m
5
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)

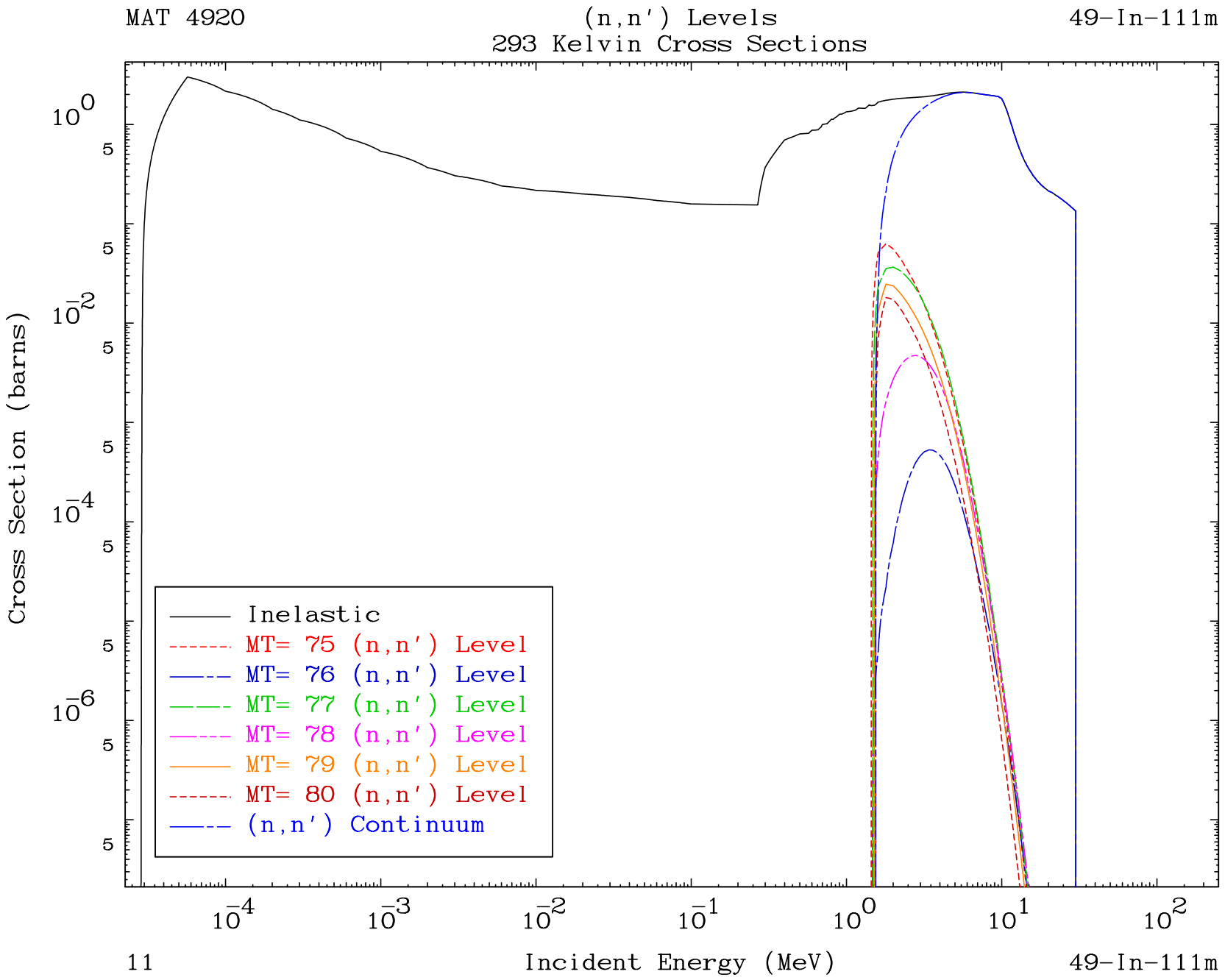

MAT 4920
Charged Particle
293 Kelvin Cross Sections
49-In-111m
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
49-In-111m

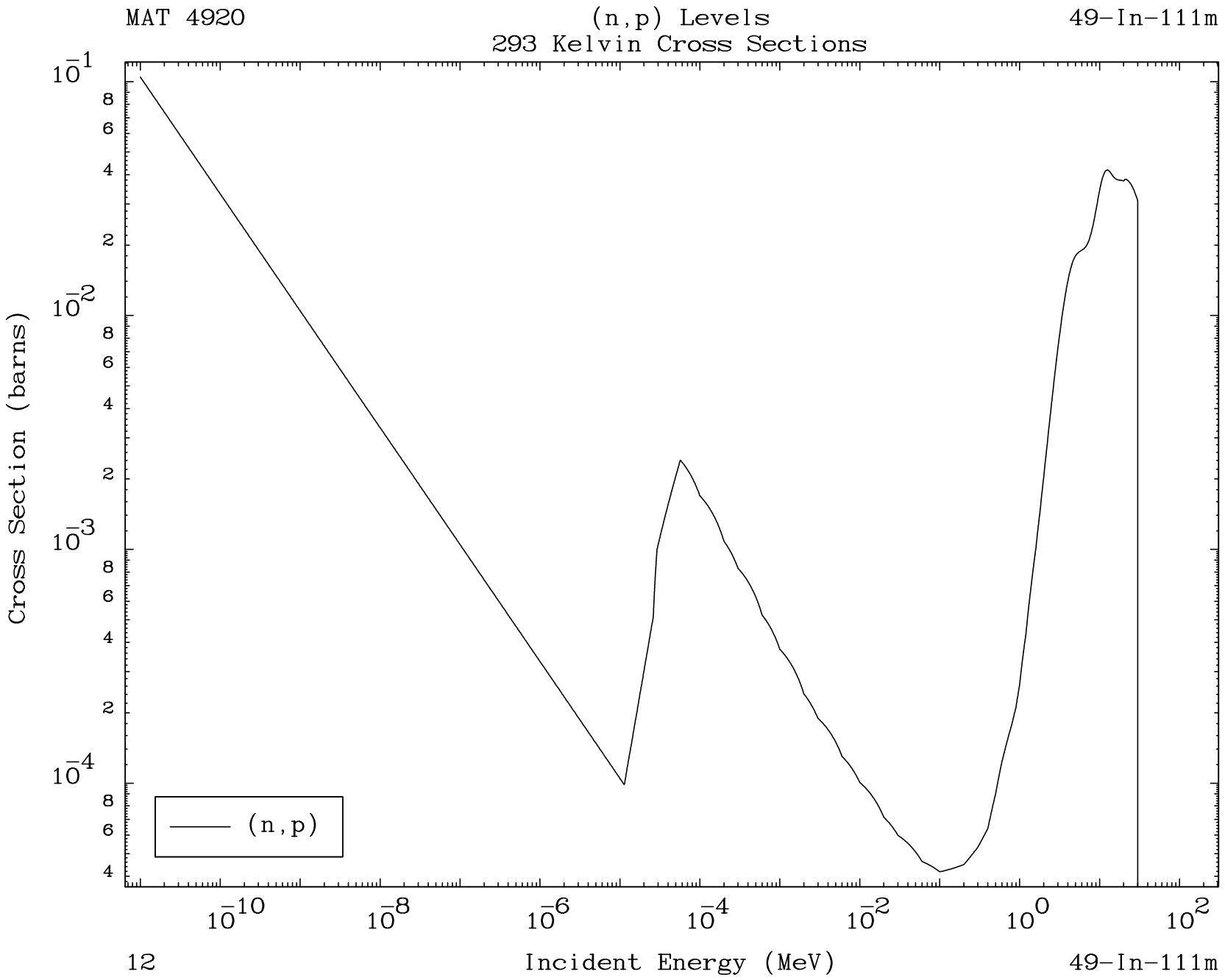

MAT 4920
Particle Production
293 Kelvin Cross Sections
49-In-111m
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
10^-8
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
7
49-In-111m

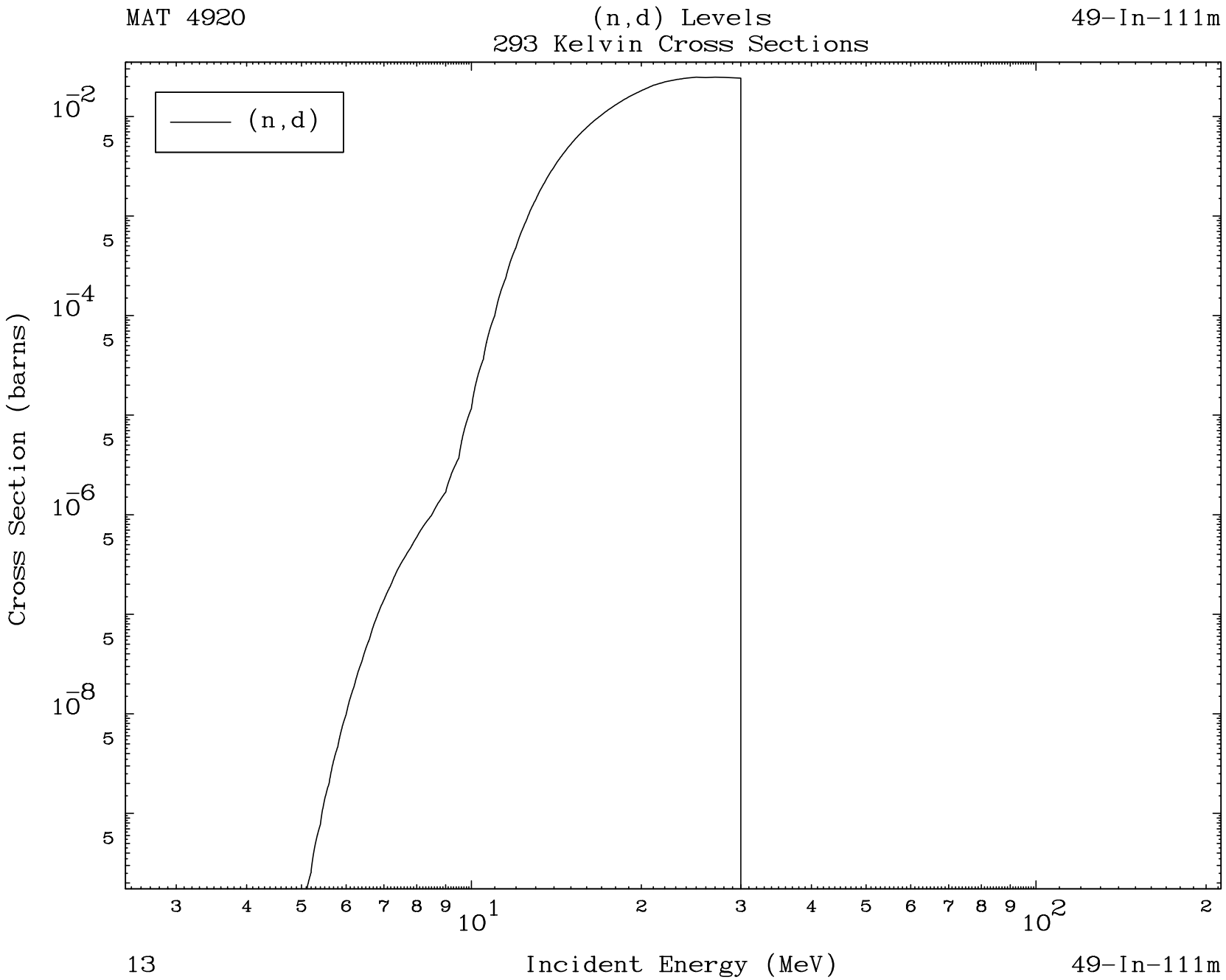

MAT 4920
(n,n') Levels
293 Kelvin Cross Sections
49-In-111m
Cross Section (barns)
Incident Energy (MeV)
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
8
49-In-111m

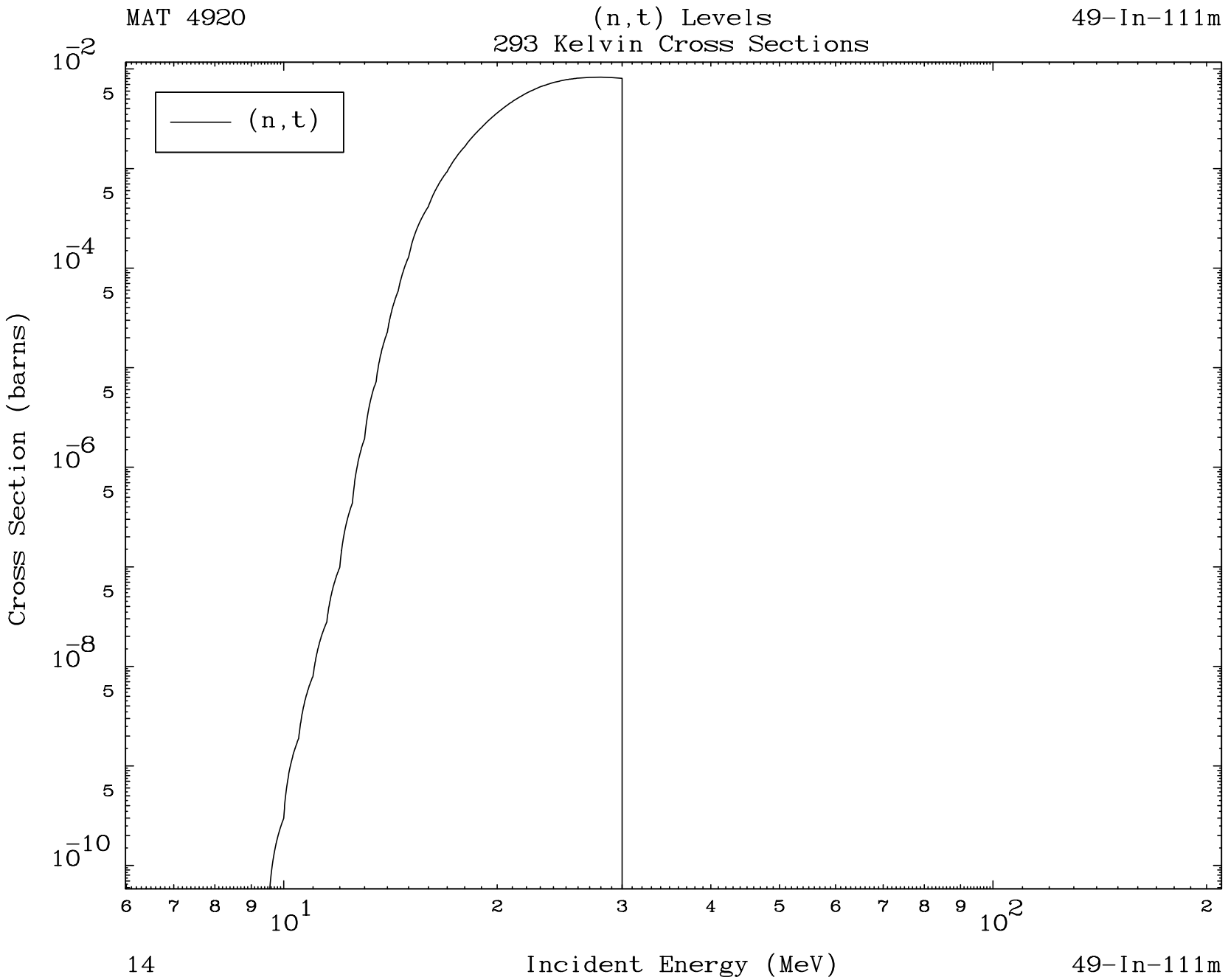

MAT 4920
(n,n') Levels
293 Kelvin Cross Sections
49-In-111m
Cross Section (barns)
Incident Energy (MeV)
Inelastic
MT= 59 (n,n') Level
MT= 60 (n,n') Level
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
9
49-In-111m

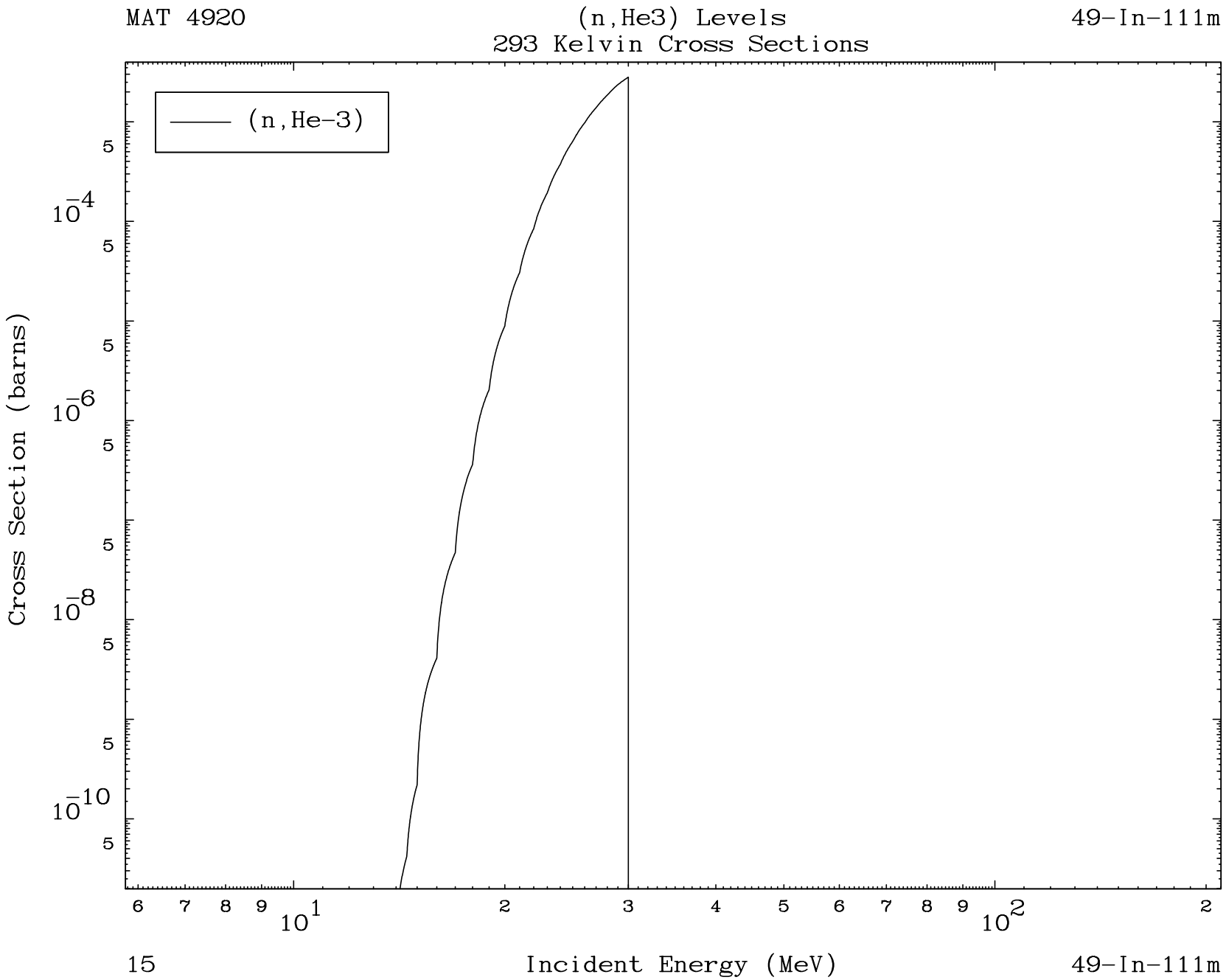

MAT 4920
(n,n') Levels
293 Kelvin Cross Sections
49-In-111m
Cross Section (barns)
Incident Energy (MeV)
Inelastic
MT= 67 (n,n') Level
MT= 68 (n,n') Level
MT= 69 (n,n') Level
MT= 70 (n,n') Level
MT= 71 (n,n') Level
MT= 72 (n,n') Level
MT= 73 (n,n') Level
MT= 74 (n,n') Level
10
49-In-111m

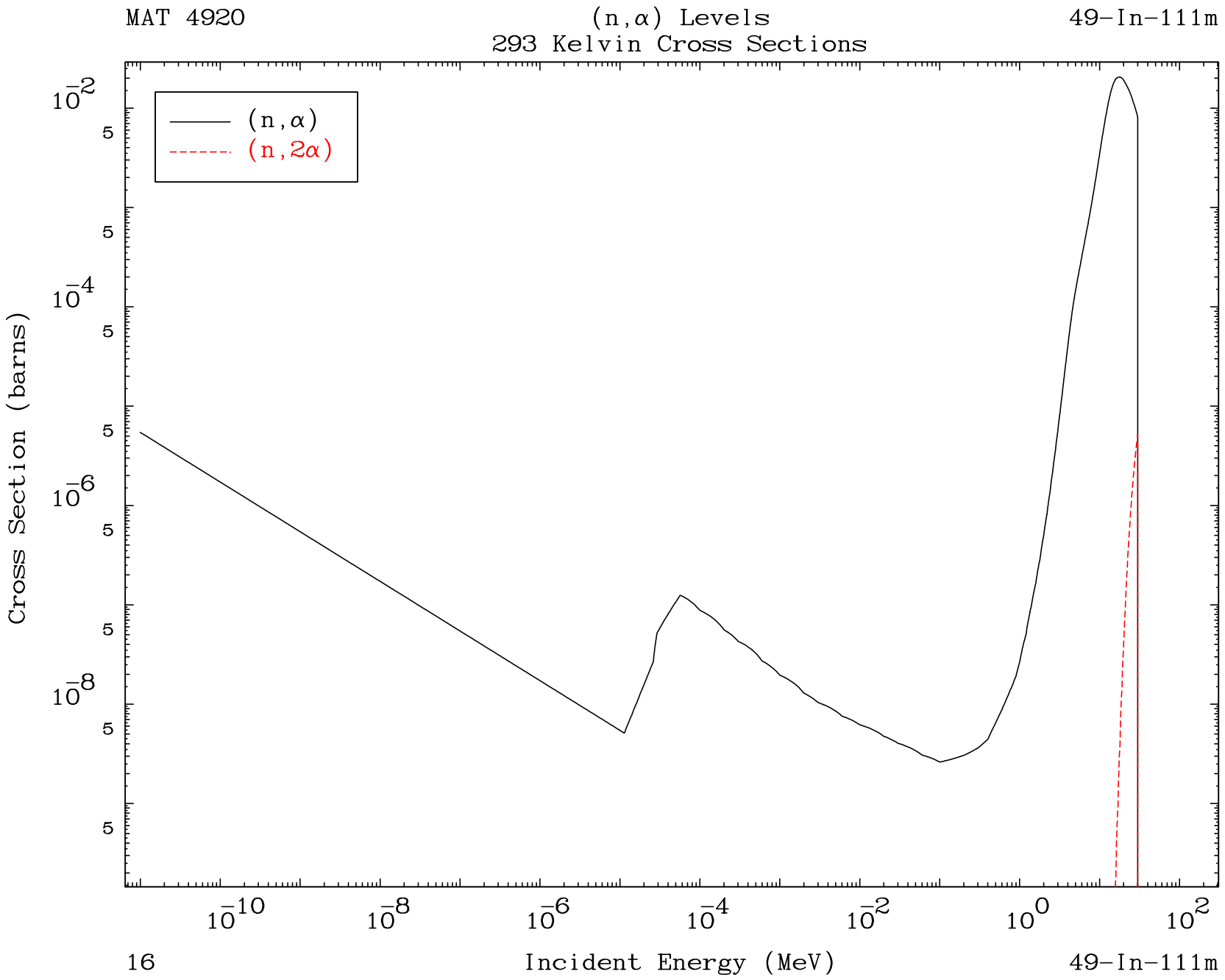

MAT 4920
(n,n') Levels
293 Kelvin Cross Sections
49-In-111m
Cross Section (barns)
Incident Energy (MeV)
Inelastic
MT= 75 (n,n') Level
MT= 76 (n,n') Level
MT= 77 (n,n') Level
MT= 78 (n,n') Level
MT= 79 (n,n') Level
MT= 80 (n,n') Level
(n,n') Continuum
11
49-In-111m

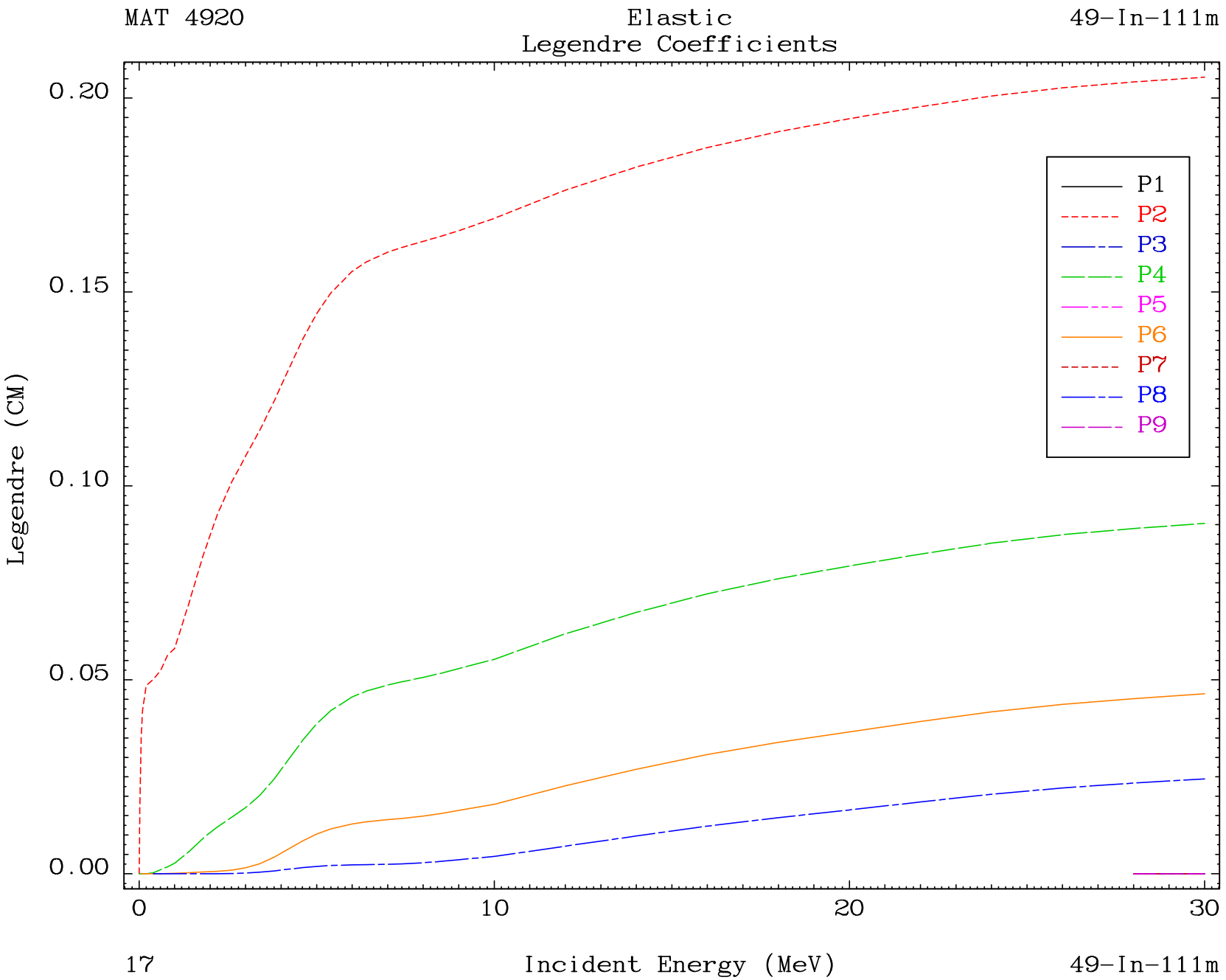

MAT 4920
(n,p) Levels
293 Kelvin Cross Sections
49-In-111m
Cross Section (barns)
Incident Energy (MeV)
(n,p)
12
49-In-111m

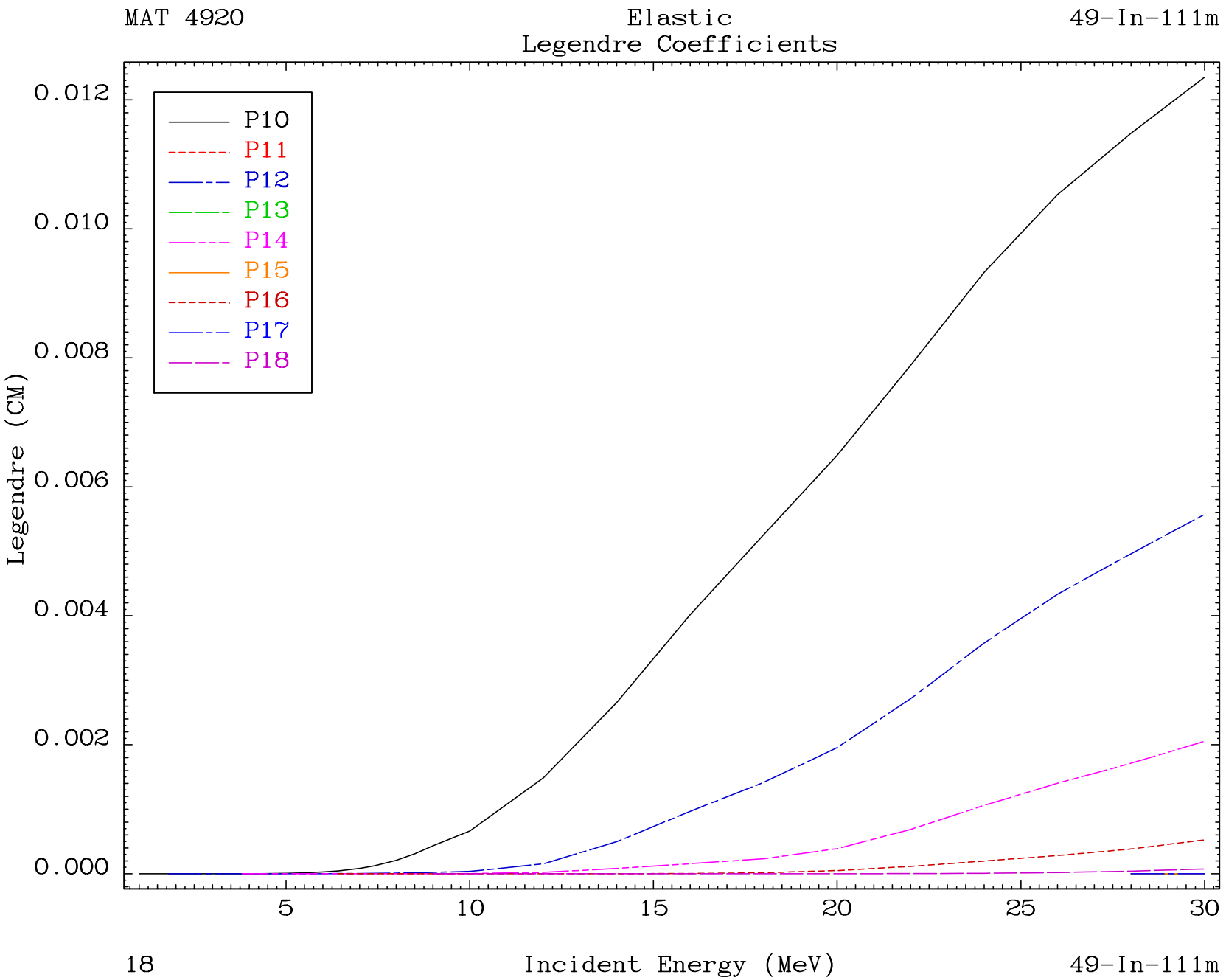

MAT 4920
(n,d) Levels
49-In-111m
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
13
49-In-111m

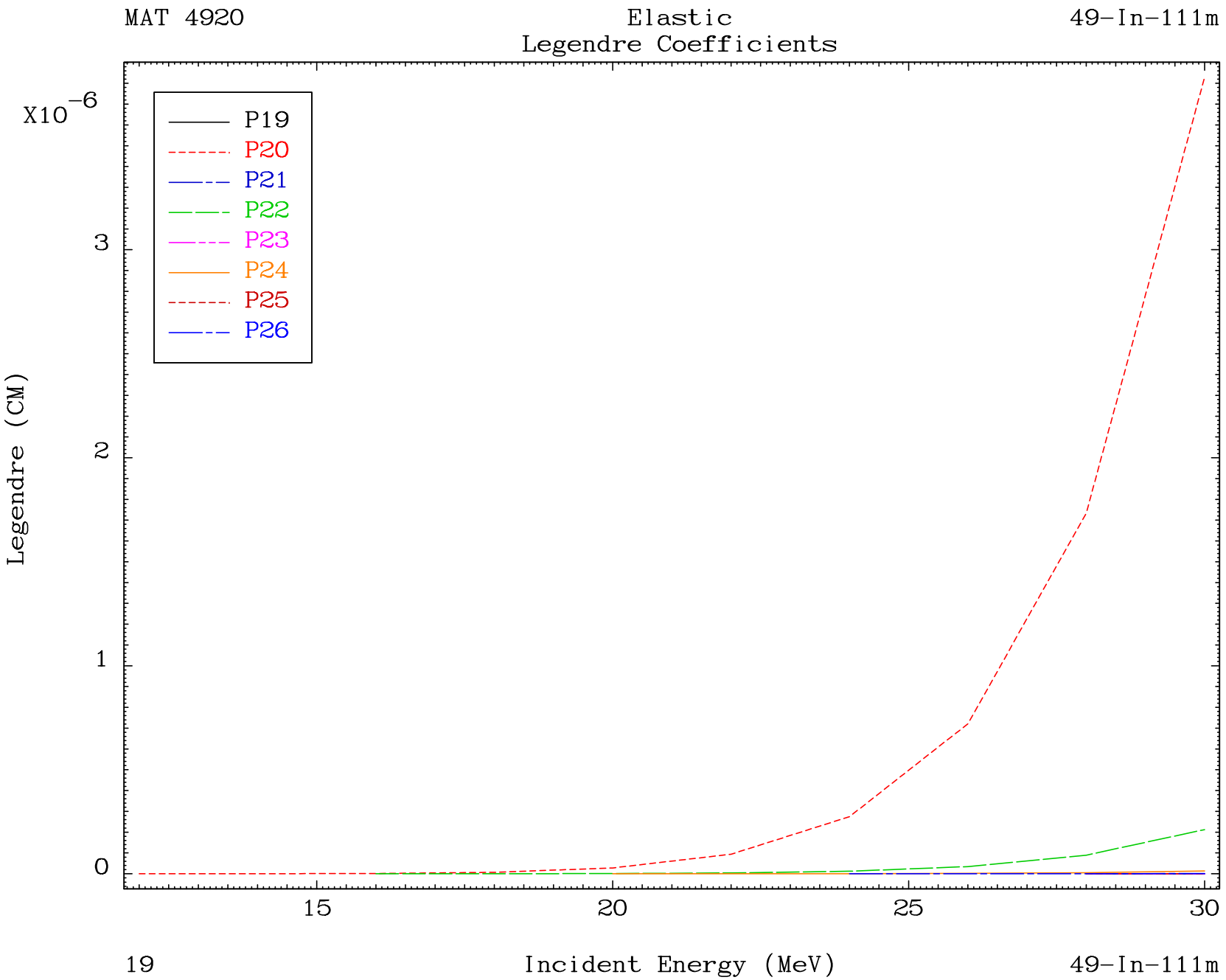

MAT 4920
(n,t) Levels
49-In-111m
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
14
49-In-111m

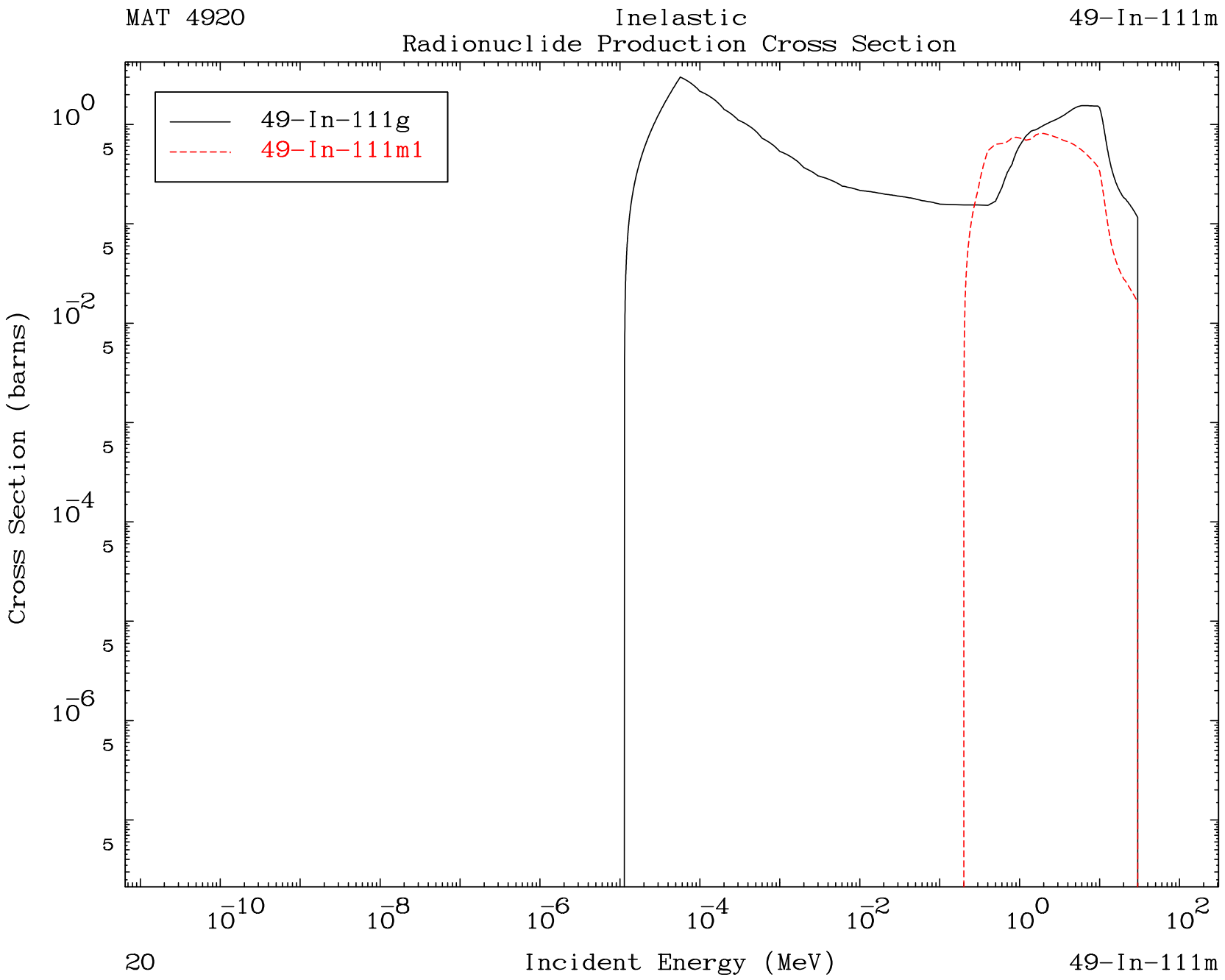

MAT 4920
(n,He3) Levels
49-In-111m
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)
15
49-In-111m

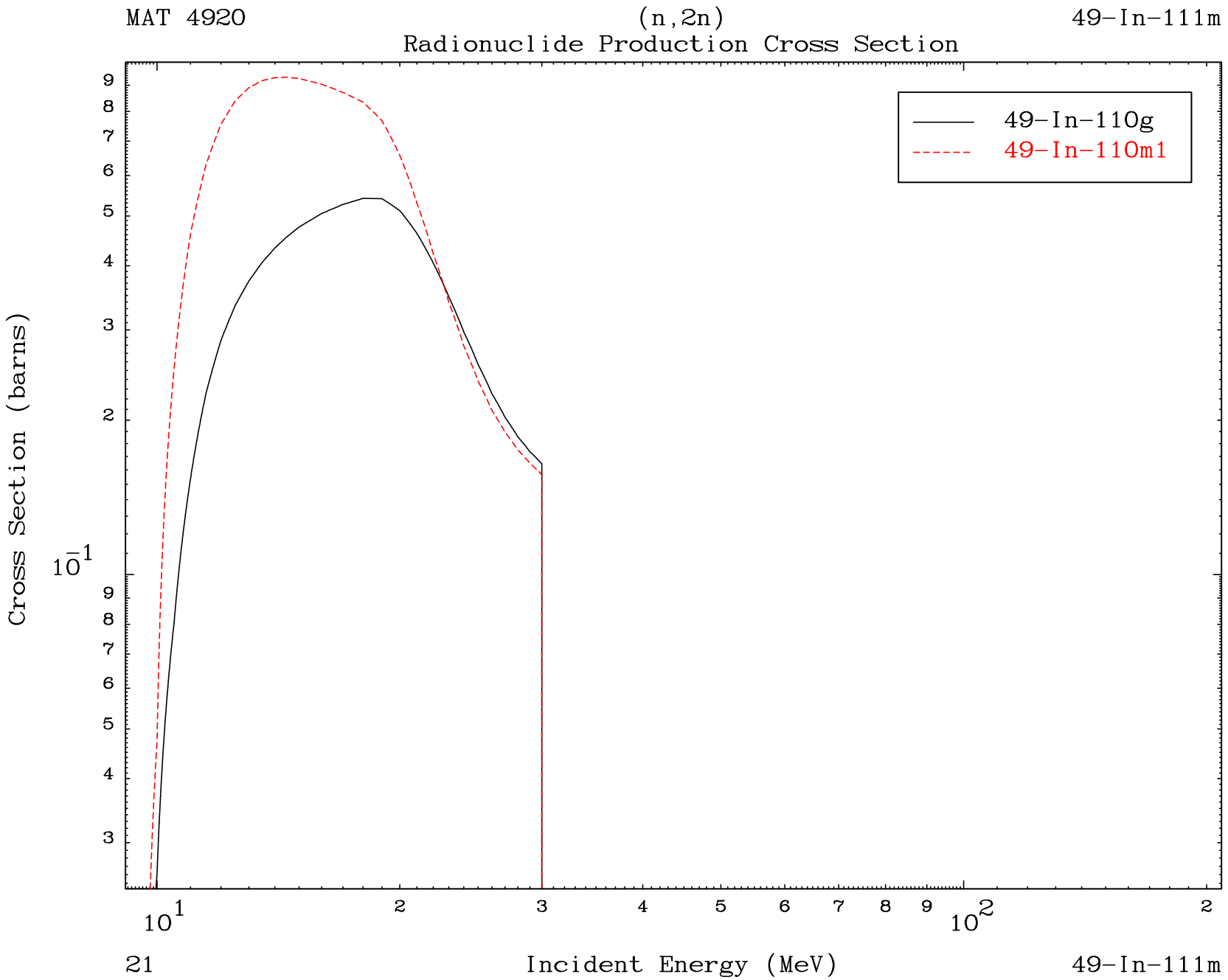

MAT 4920
(n,α) Levels
293 Kelvin Cross Sections
49-In-111m
(n,α)
(n,2α)
Cross Section (barns)
10-2
10-4
10-6
10-8
10-10
10-8
10-6
10-4
10-2
100
102
Incident Energy (MeV)
16
49-In-111m

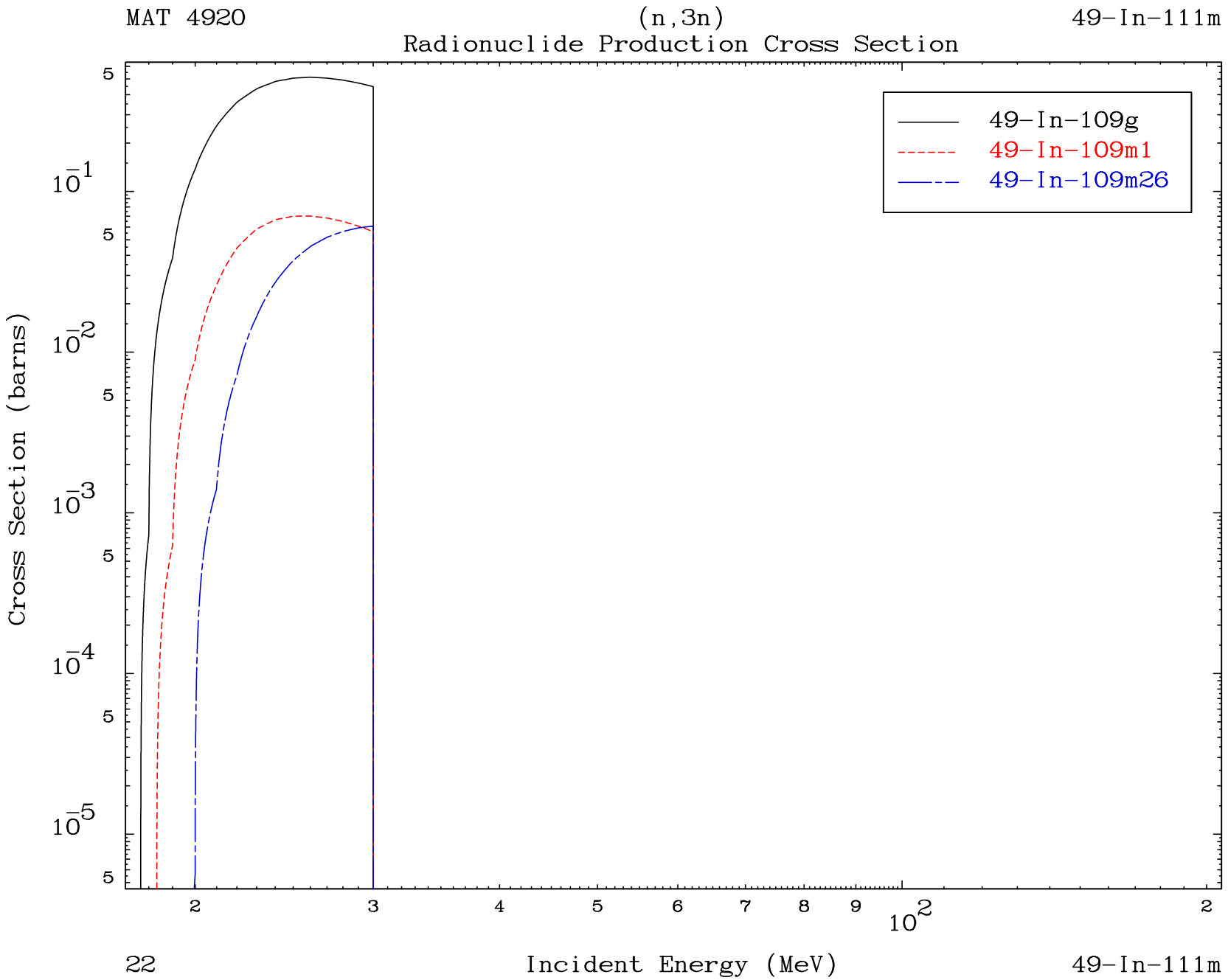

MAT 4920
Elastic
Legendre Coefficients
49-In-111m
0.20
0.15
0.10
0.05
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
10
20
30
17
Incident Energy (MeV)
49-In-111m

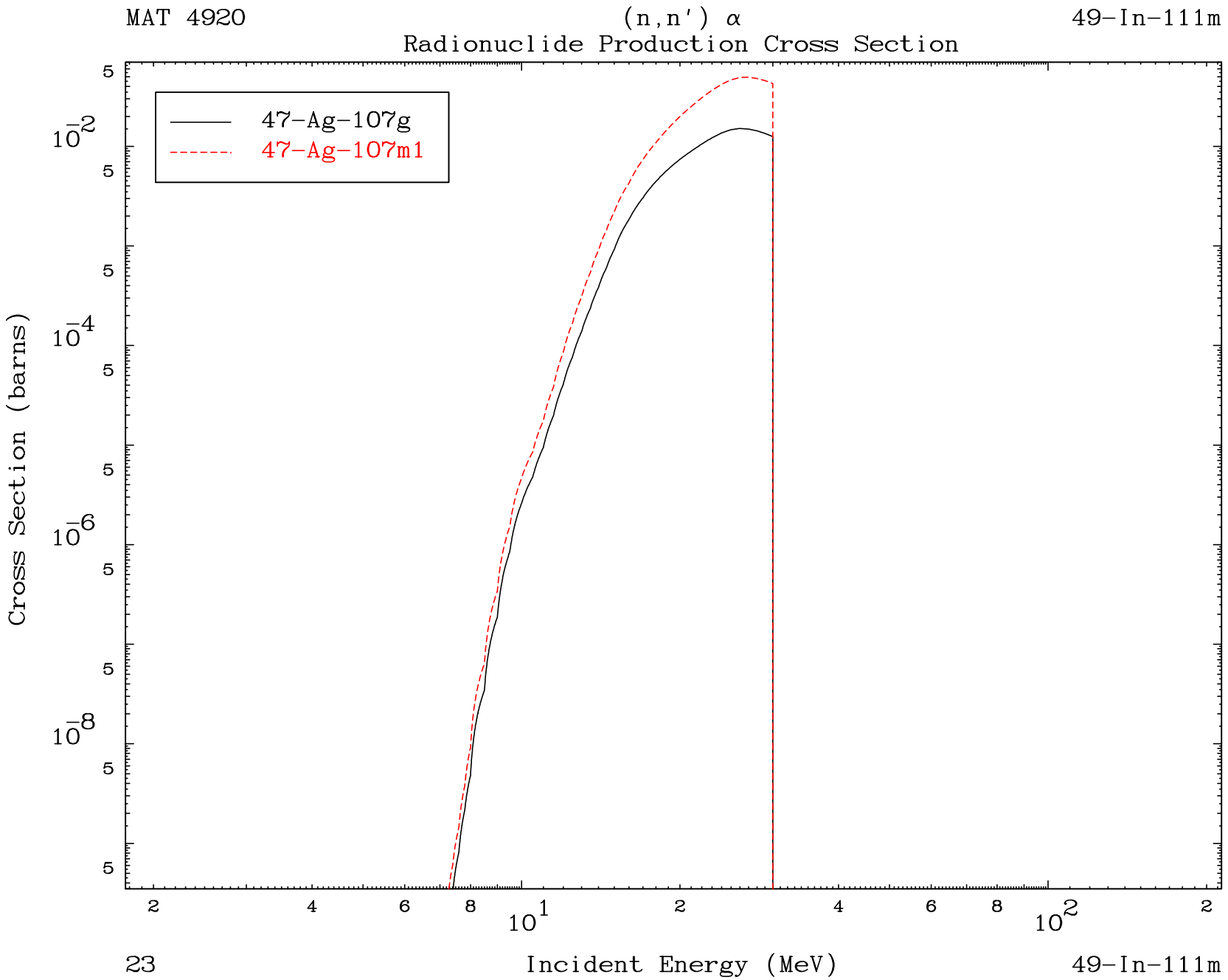

MAT 4920
Elastic
Legendre Coefficients
49-In-111m
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.012
0.010
0.008
0.006
0.004
0.002
0.000
Legendre (CM)
5
10
15
20
25
30
18
Incident Energy (MeV)
49-In-111m

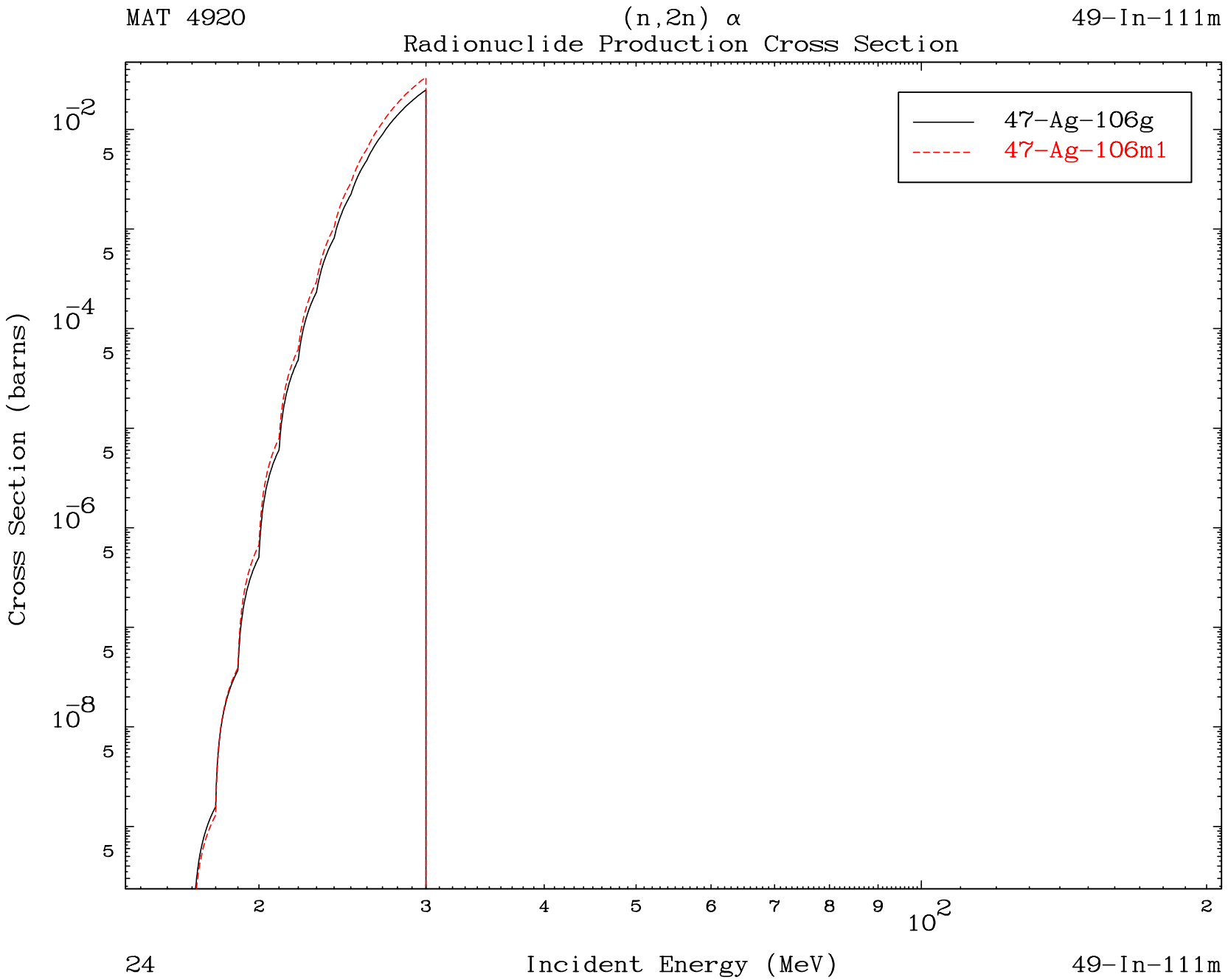

MAT 4920
Elastic
Legendre Coefficients
49-In-111m
X10^-6
3
2
1
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
15
20
25
30
19
Incident Energy (MeV)
49-In-111m

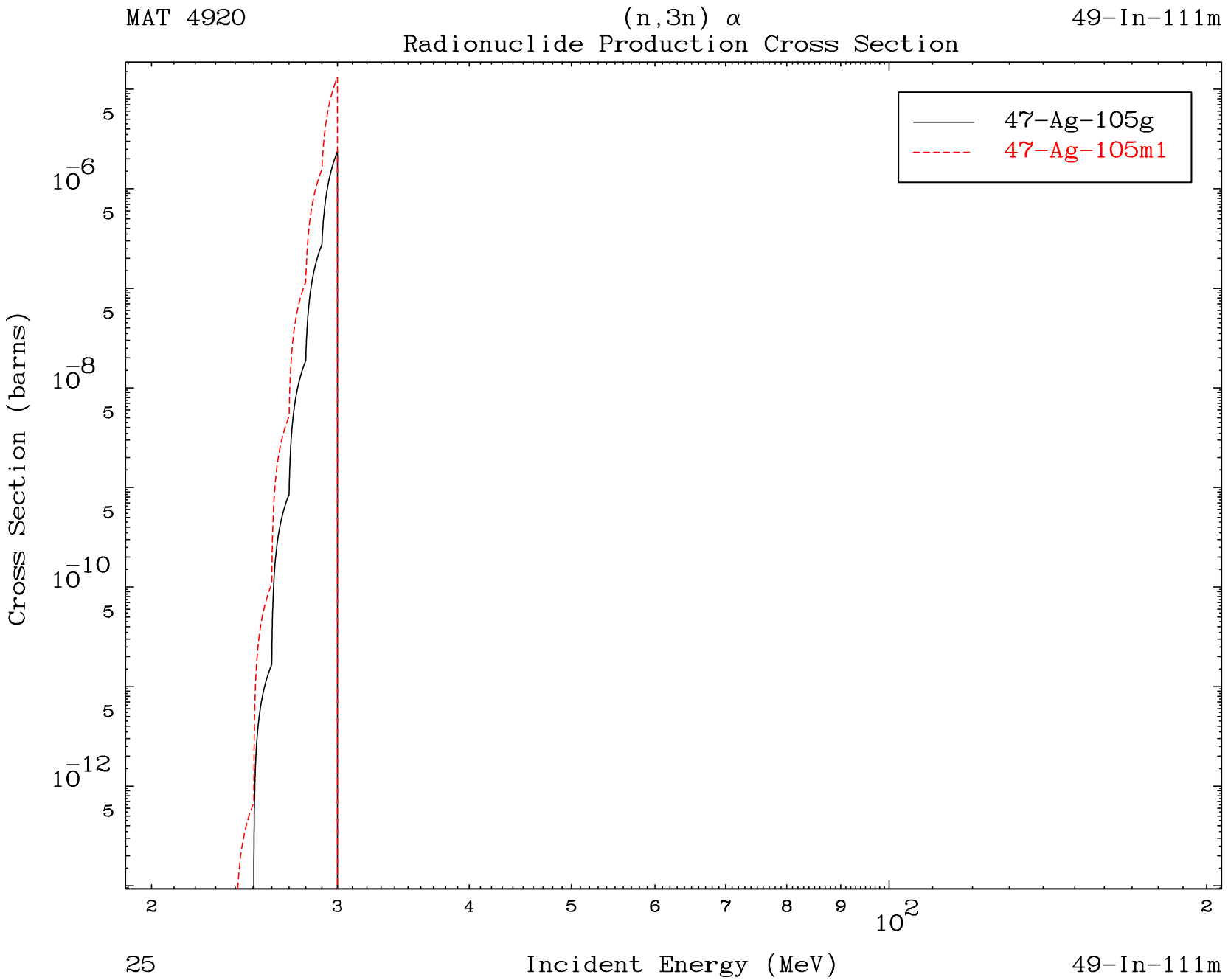

MAT 4920
Inelastic
49-In-111m
Radionuclide Production Cross Section
49-In-111g
49-In-111m1
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
20
Incident Energy (MeV)
49-In-111m

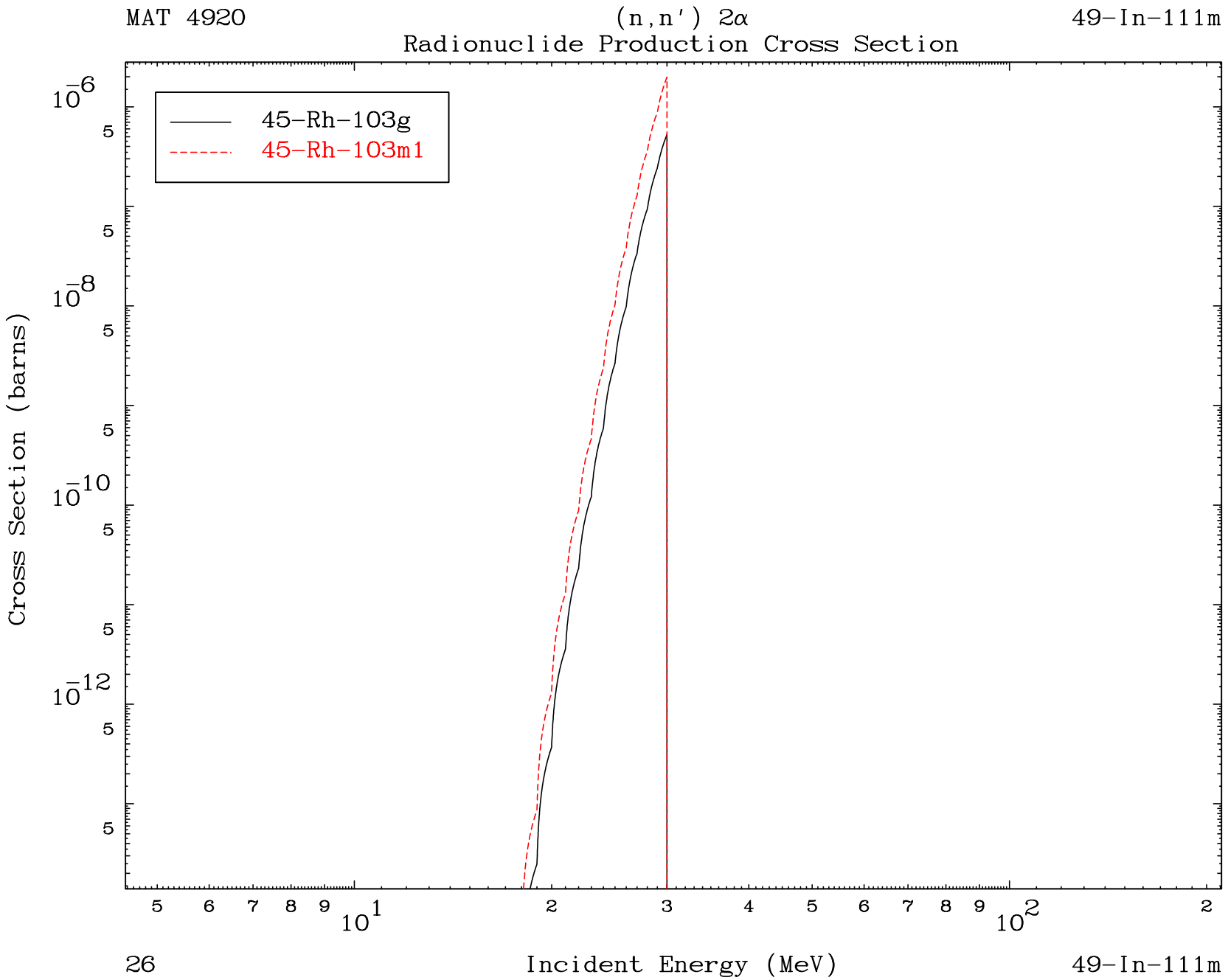

MAT 4920
(n,2n)
49-In-111m
Radionuclide Production Cross Section
49-In-110g
49-In-110m1
Cross Section (barns)
Incident Energy (MeV)
21
49-In-111m

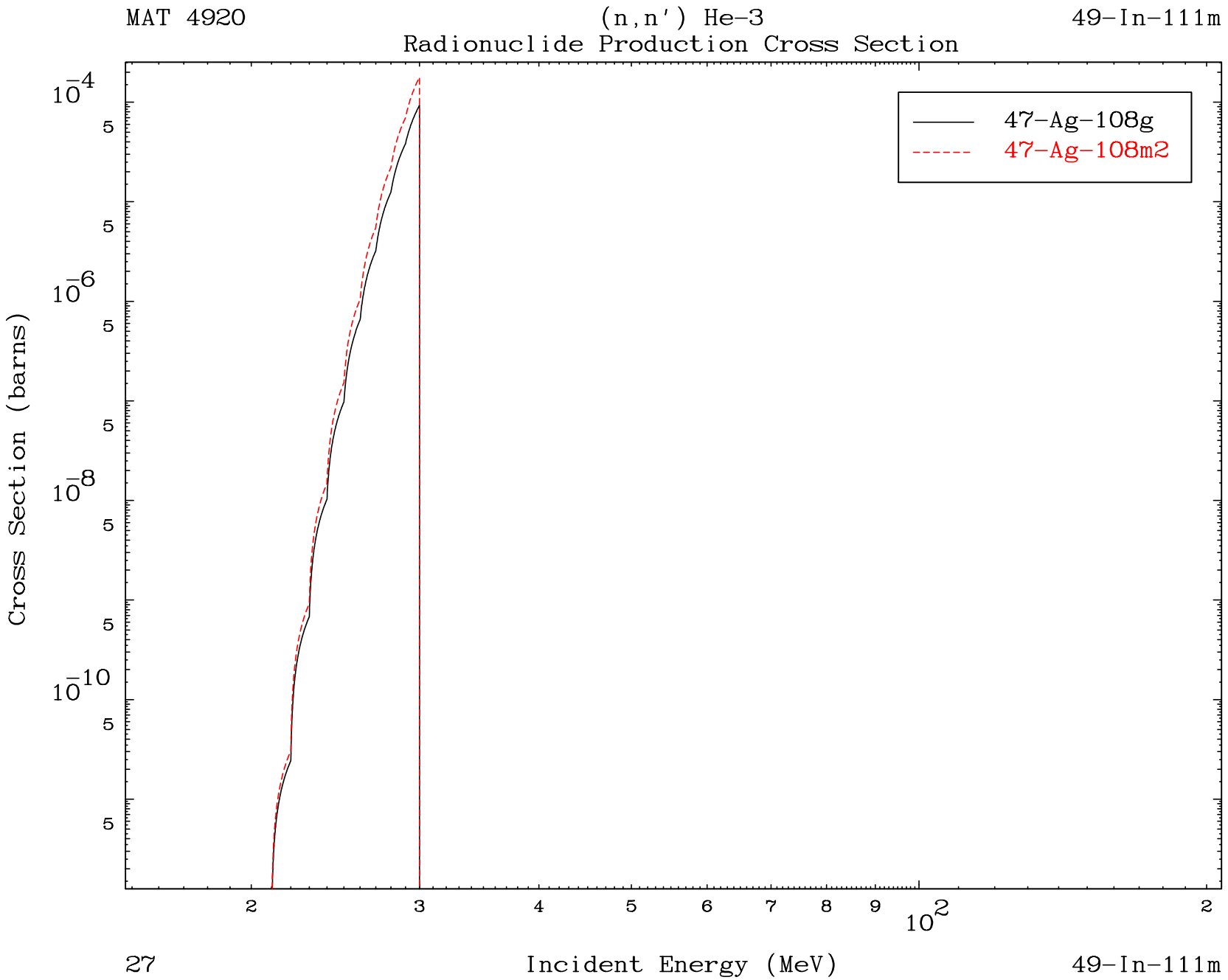

MAT 4920
(n,3n)
49-In-111m
Radionuclide Production Cross Section
49-In-109g
49-In-109m1
49-In-109m26
Cross Section (barns)
Incident Energy (MeV)
22
49-In-111m

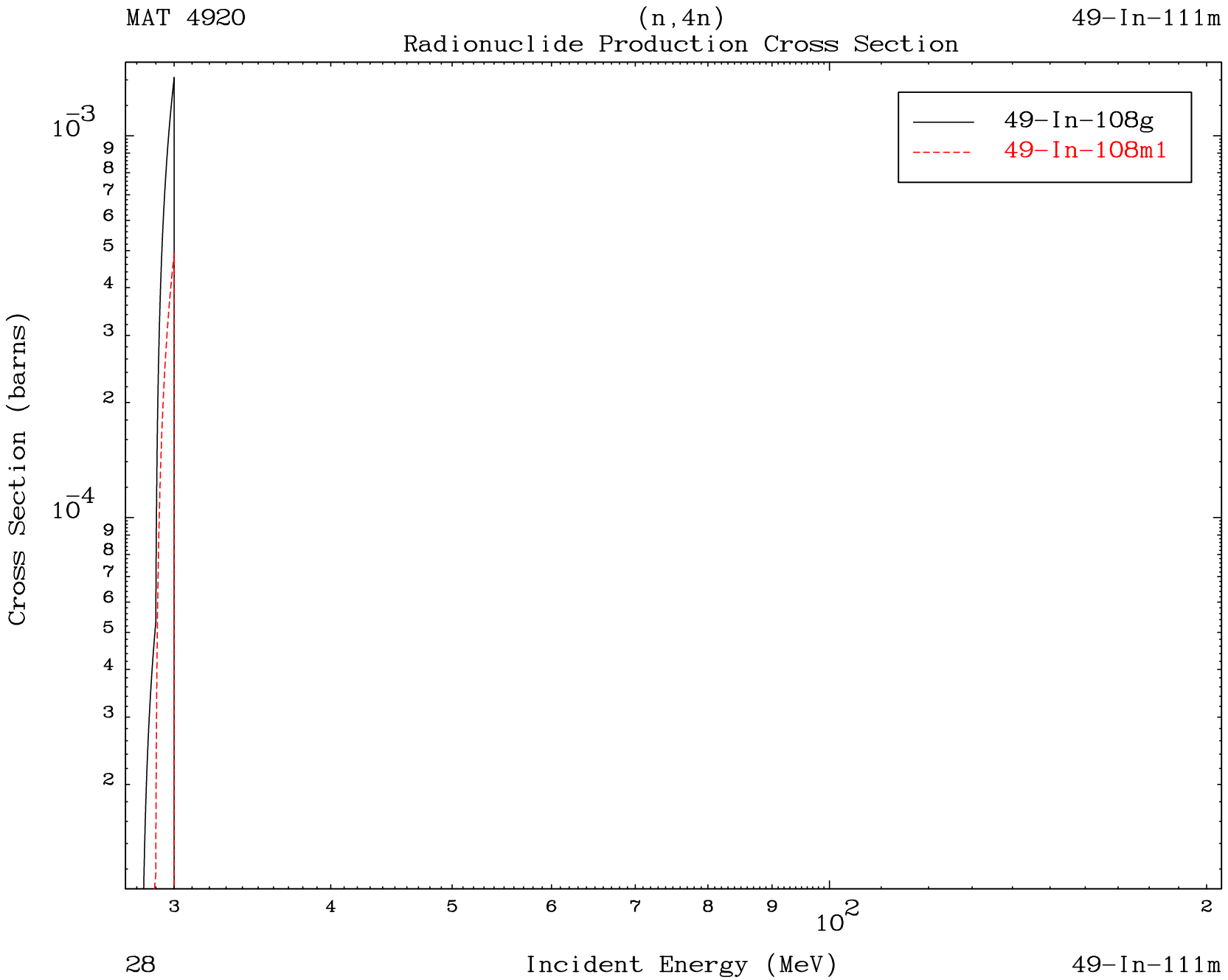

MAT 4920
(n,n') α
49-In-111m
Radionuclide Production Cross Section
47-Ag-107g
47-Ag-107m1
Cross Section (barns)
10-2
10-4
10-6
10-8
10 1
10 2
Incident Energy (MeV)
23
49-In-111m

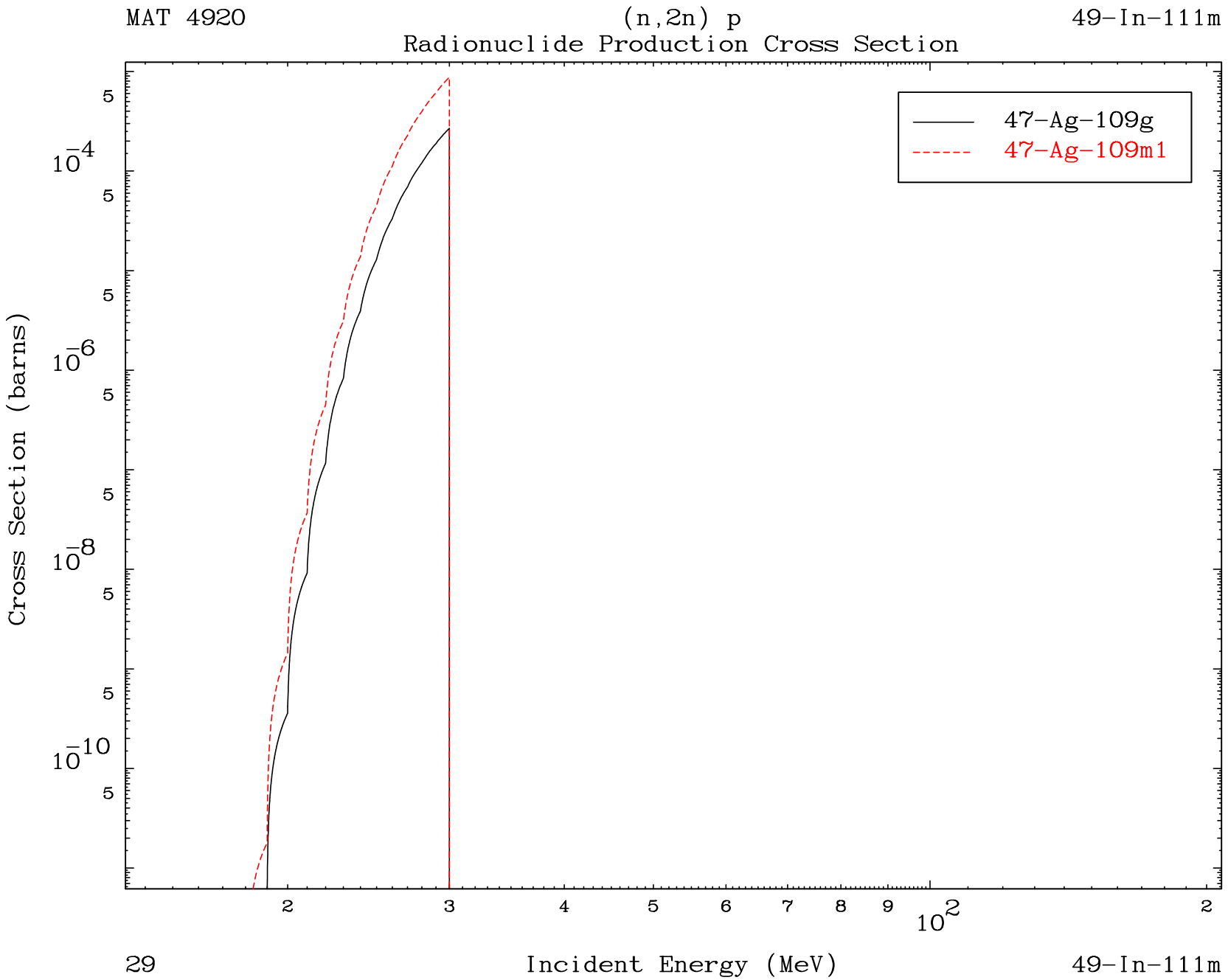

MAT 4920
(n,2n) α
49-In-111m
Radionuclide Production Cross Section
47-Ag-106g
47-Ag-106m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
2
3
4
5
6
7
8
9
10 2
2
24
Incident Energy (MeV)
49-In-111m

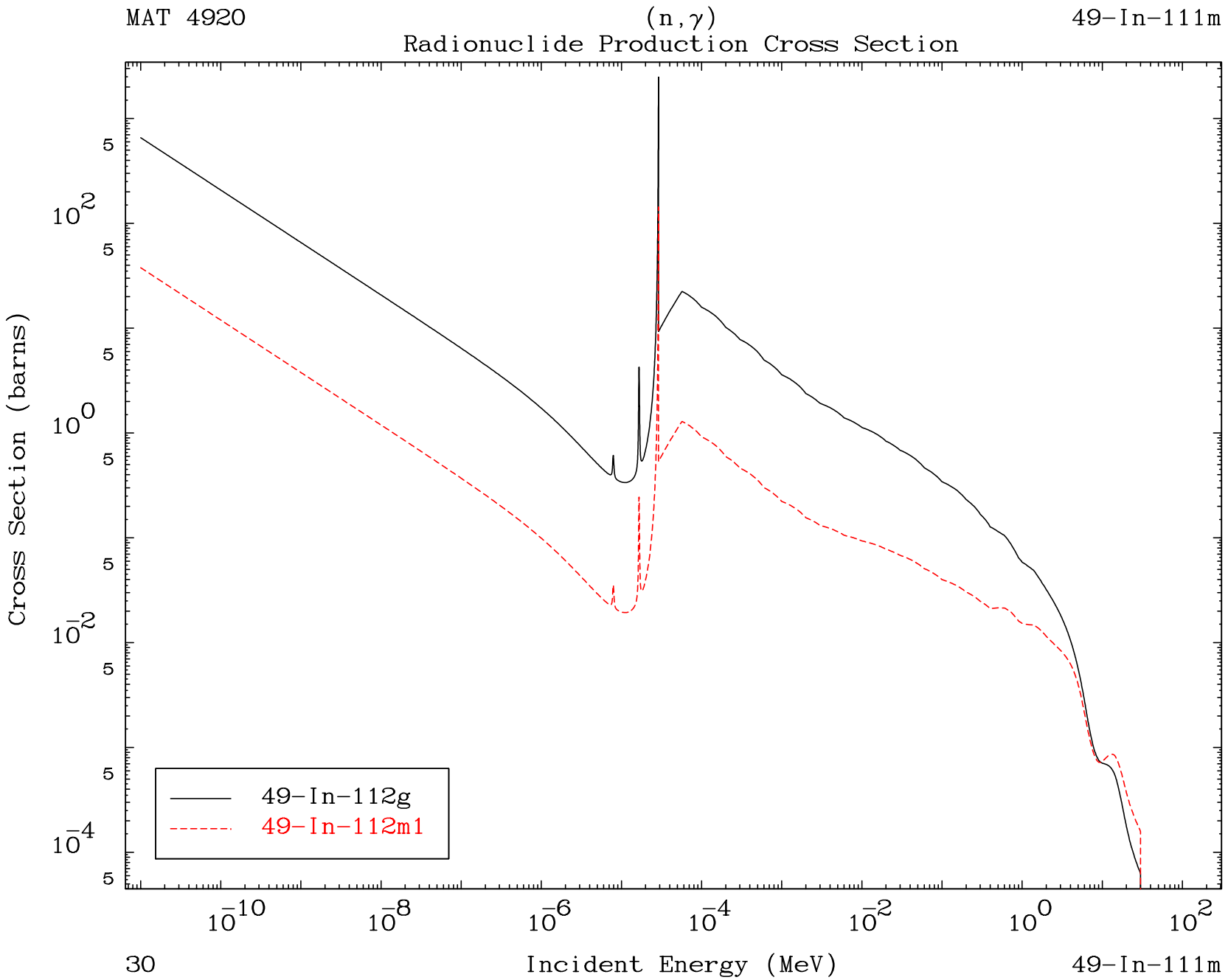

MAT 4920
(n,3n) α
49-In-111m
Radionuclide Production Cross Section
47-Ag-105g
47-Ag-105m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
25
Incident Energy (MeV)
49-In-111m

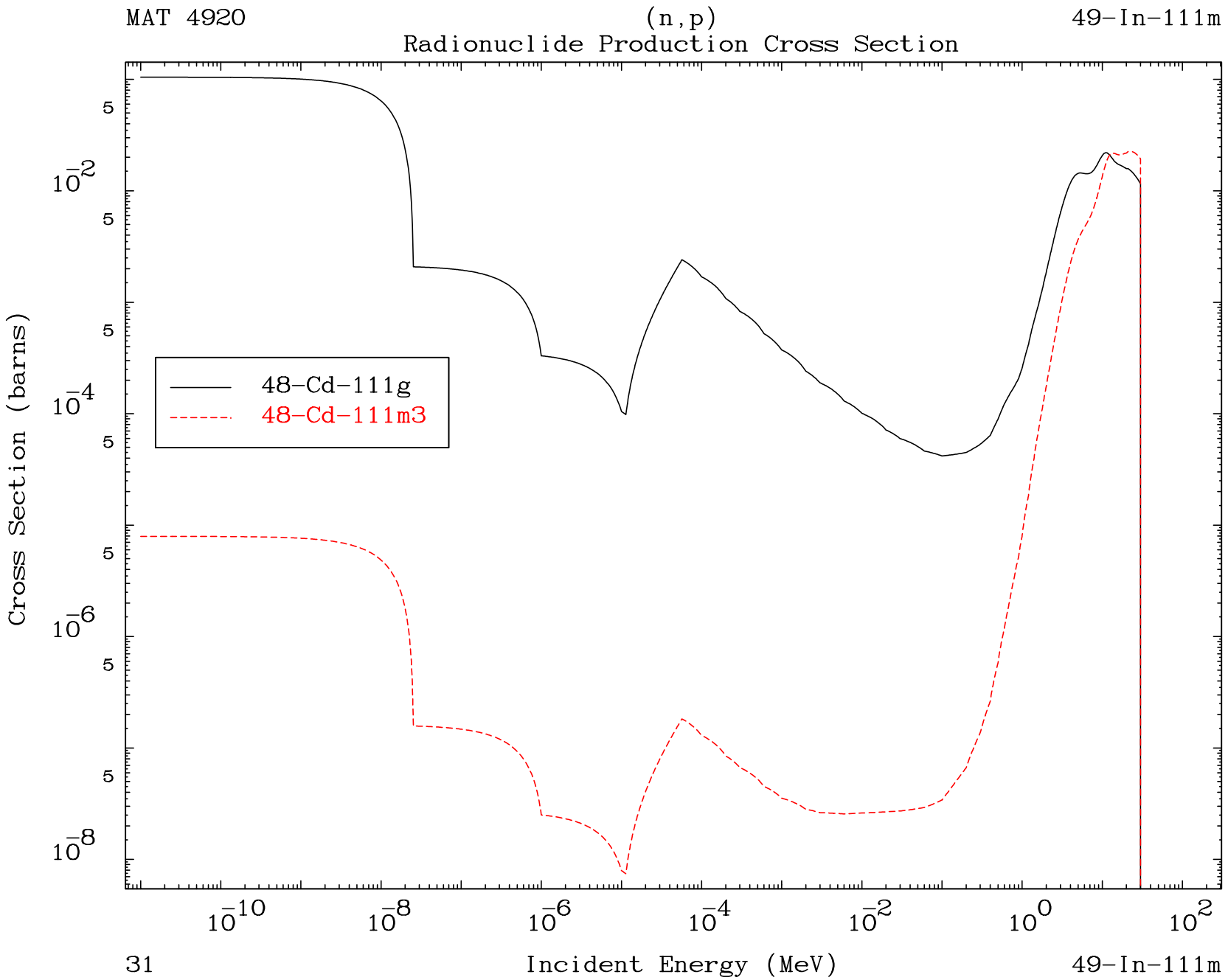

MAT 4920
(n,n') 2α
49-In-111m
Radionuclide Production Cross Section
45-Rh-103g
45-Rh-103m1
Cross Section (barns)
Incident Energy (MeV)
26
49-In-111m

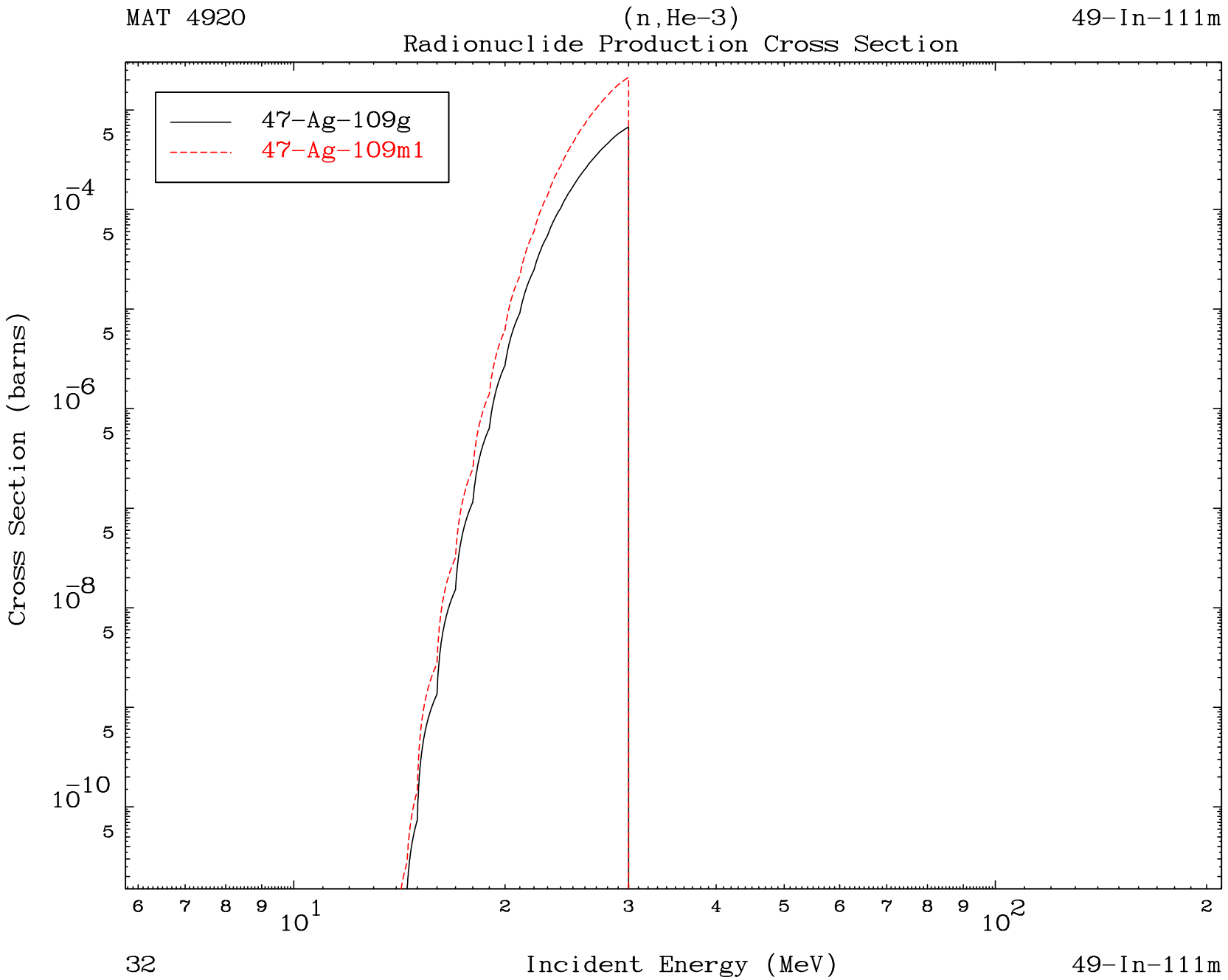

MAT 4920
(n,n') He-3
49-In-111m
Radionuclide Production Cross Section
47-Ag-108g
47-Ag-108m2
Cross Section (barns)
Incident Energy (MeV)
27
49-In-111m

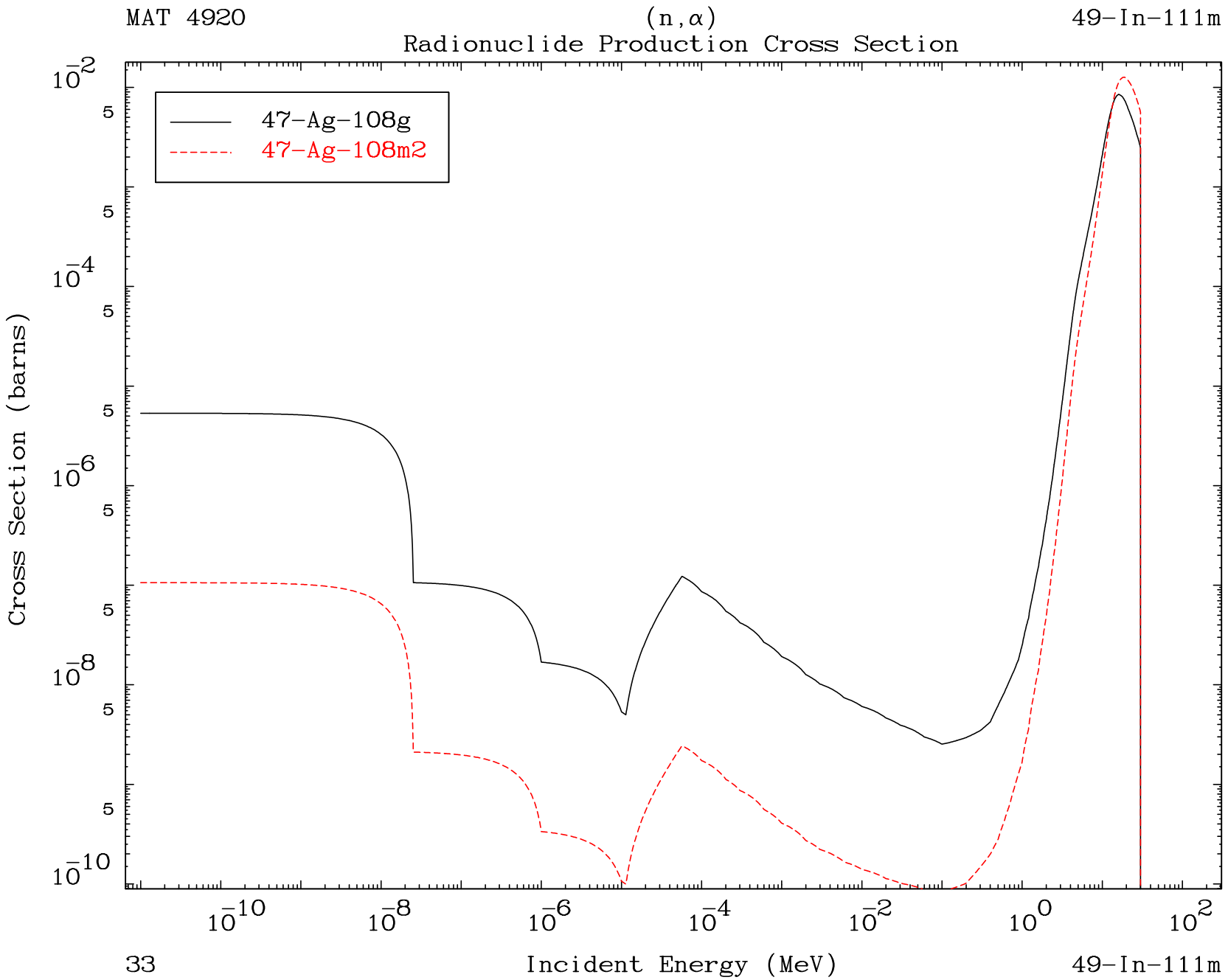

MAT 4920
(n,4n)
49-In-111m
Radionuclide Production Cross Section
49-In-108g
49-In-108m1
Cross Section (barns)
10-3
10-4
9
8
7
6
5
4
3
2
3
4
5
6
7
8
9
10 2
2
28
Incident Energy (MeV)
49-In-111m

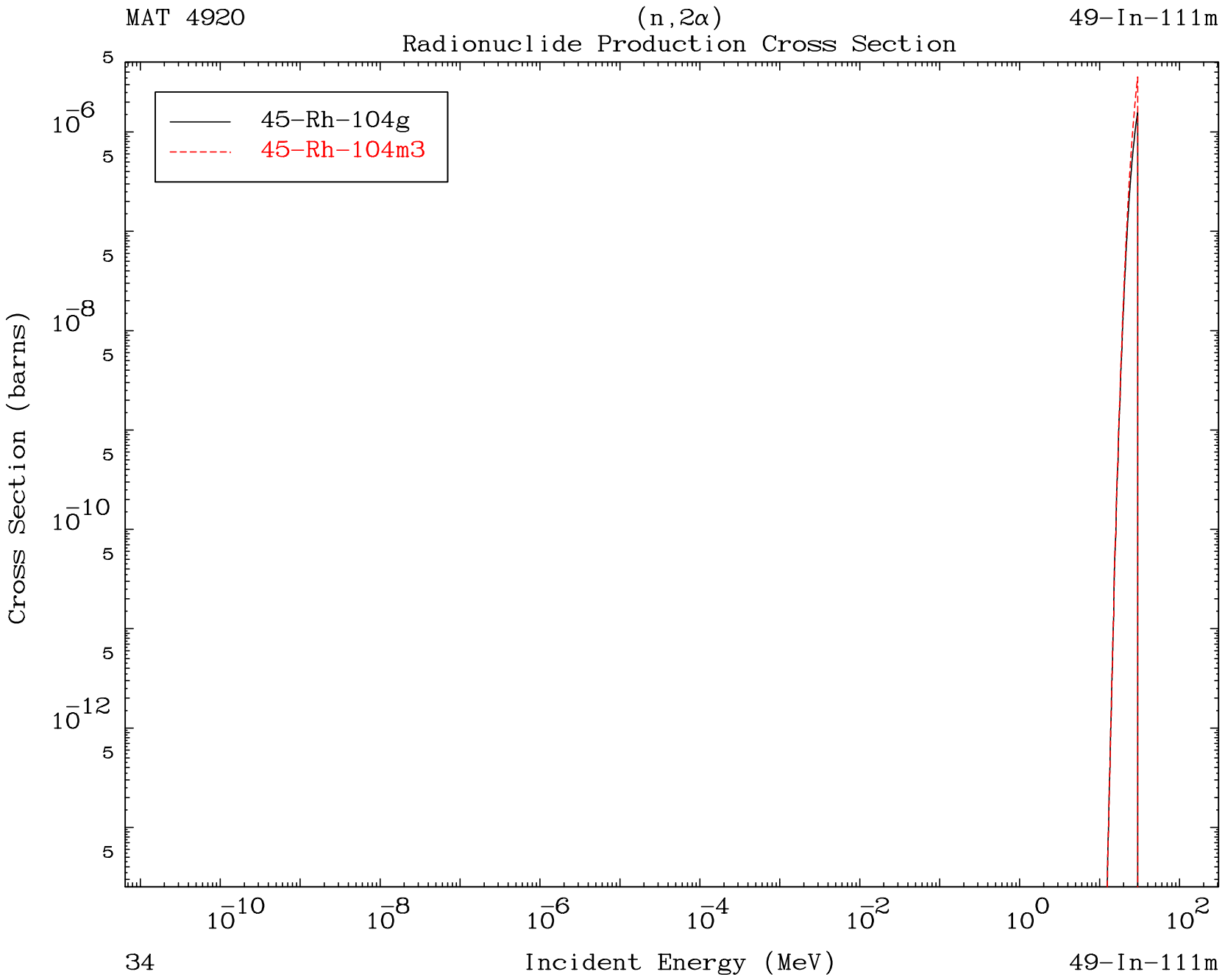

MAT 4920
(n,2n) p
49-In-111m
Radionuclide Production Cross Section
47-Ag-109g
47-Ag-109m1
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
29
Incident Energy (MeV)
49-In-111m

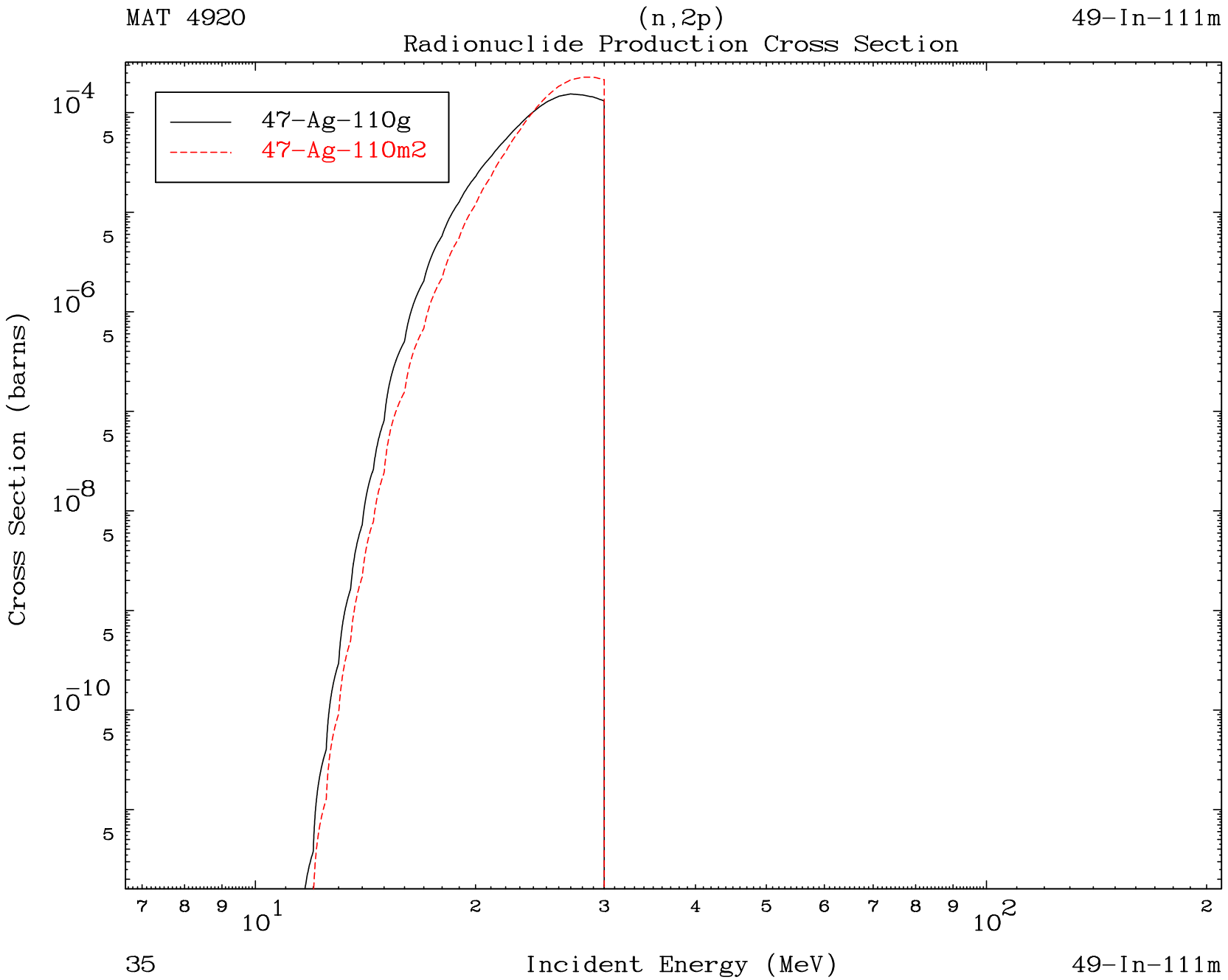

MAT 4920
(n,γ)
49-In-111m
Radionuclide Production Cross Section
Cross Section (barns)
10^2
10^0
10^-2
10^-4
5
Incident Energy (MeV)
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
49-In-112g
49-In-112m1
30
49-In-111m

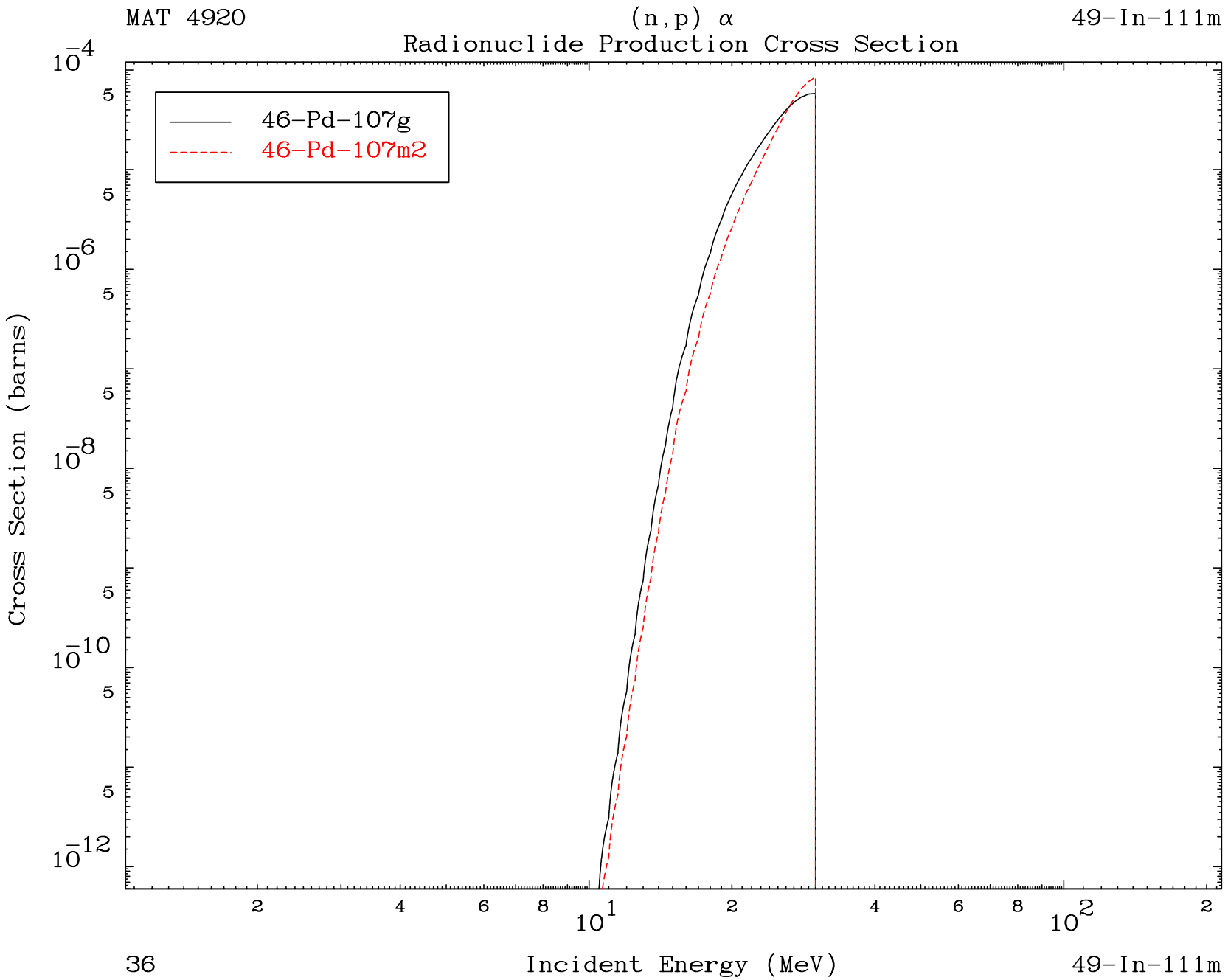

MAT 4920
(n,p)
49-In-111m
Radionuclide Production Cross Section
Cross Section (barns)
48-Cd-111g
48-Cd-111m3
Incident Energy (MeV)
31
49-In-111m

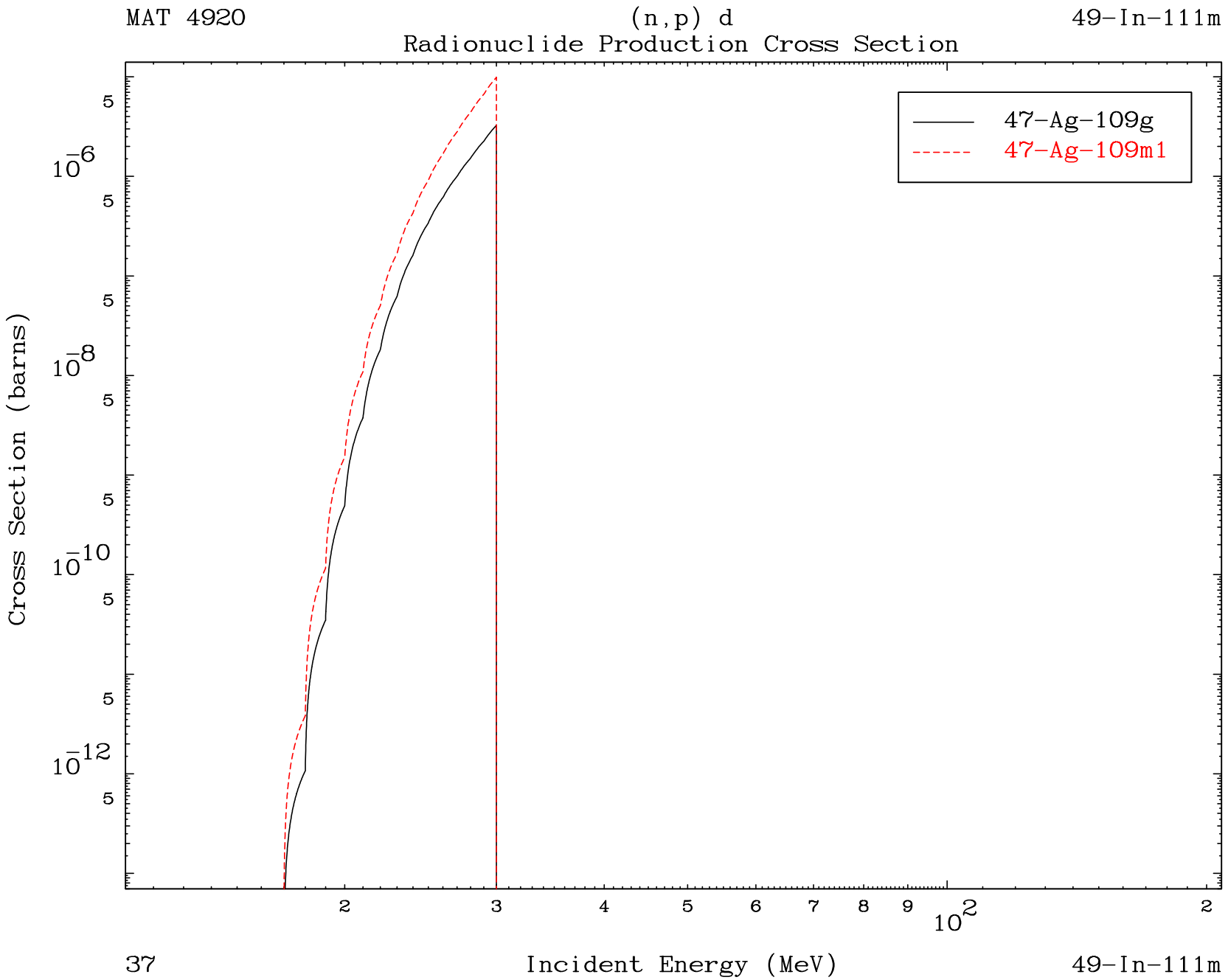

MAT 4920
(n,He-3)
49-In-111m
Radionuclide Production Cross Section
47-Ag-109g
47-Ag-109m1
Cross Section (barns)
10-4
10-6
10-8
10-10
6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
32
Incident Energy (MeV)
49-In-111m

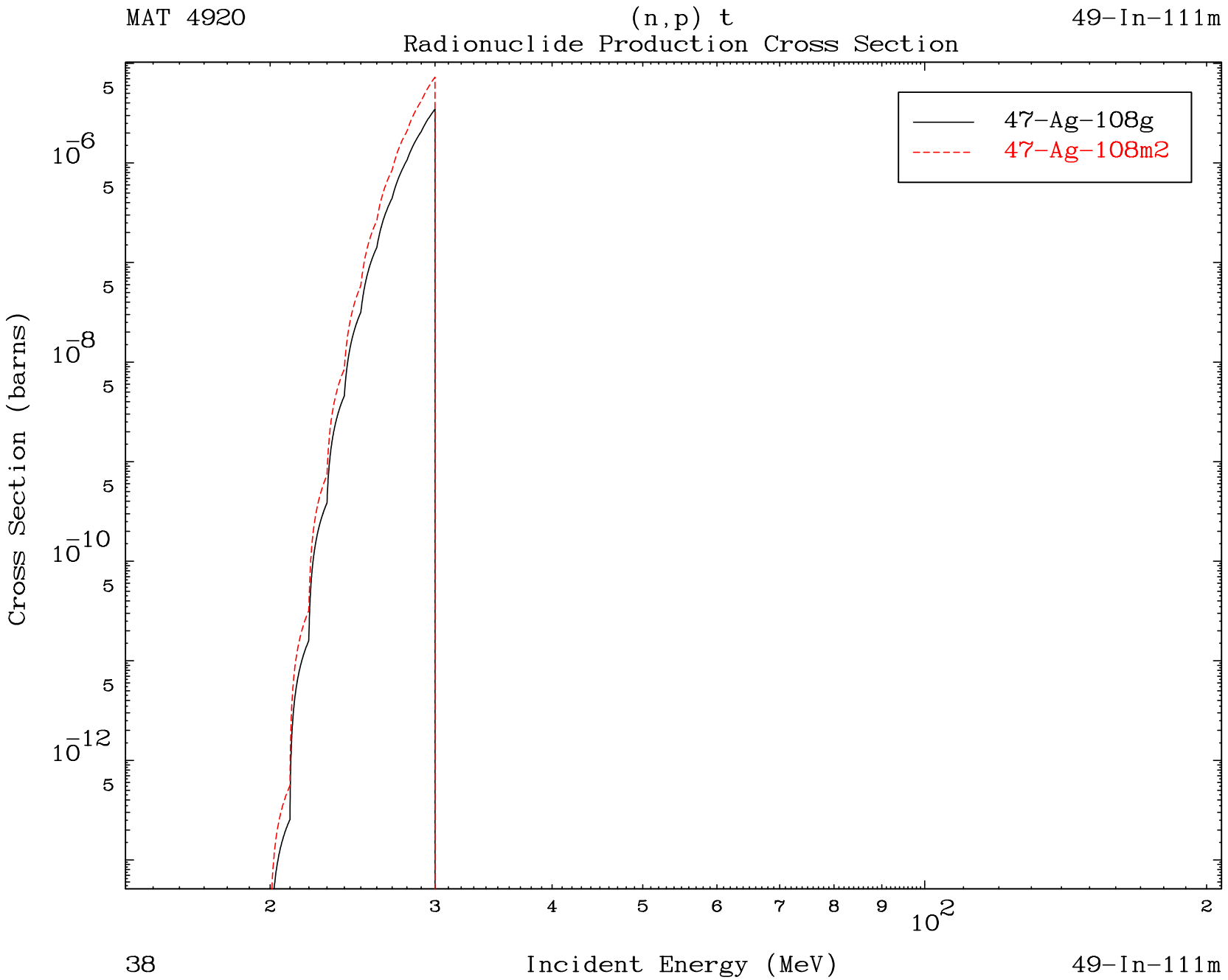

MAT 4920
(n,α)
49-In-111m
Radionuclide Production Cross Section
47-Ag-108g
47-Ag-108m2
Cross Section (barns)
Incident Energy (MeV)
33
49-In-111m


MAT 4920
(n,2α)
49-In-111m
Radionuclide Production Cross Section
45-Rh-104g
45-Rh-104m3
Cross Section (barns)
Incident Energy (MeV)
34
49-In-111m


MAT 4920
(n,2p)
49-In-111m
Radionuclide Production Cross Section
47-Ag-110g
47-Ag-110m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
Incident Energy (MeV)
10^1
10^2
35
49-In-111m


MAT 4920
(n,p) α
49-In-111m
Radionuclide Production Cross Section
46-Pd-107g
46-Pd-107m2
Cross Section (barns)
Incident Energy (MeV)
36
49-In-111m


MAT 4920
(n,p) d
49-In-111m
Radionuclide Production Cross Section
47-Ag-109g
47-Ag-109m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
37
Incident Energy (MeV)
49-In-111m


MAT 4920
(n,p) t
49-In-111m
Radionuclide Production Cross Section
47-Ag-108g
47-Ag-108m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
38
Incident Energy (MeV)
49-In-111m