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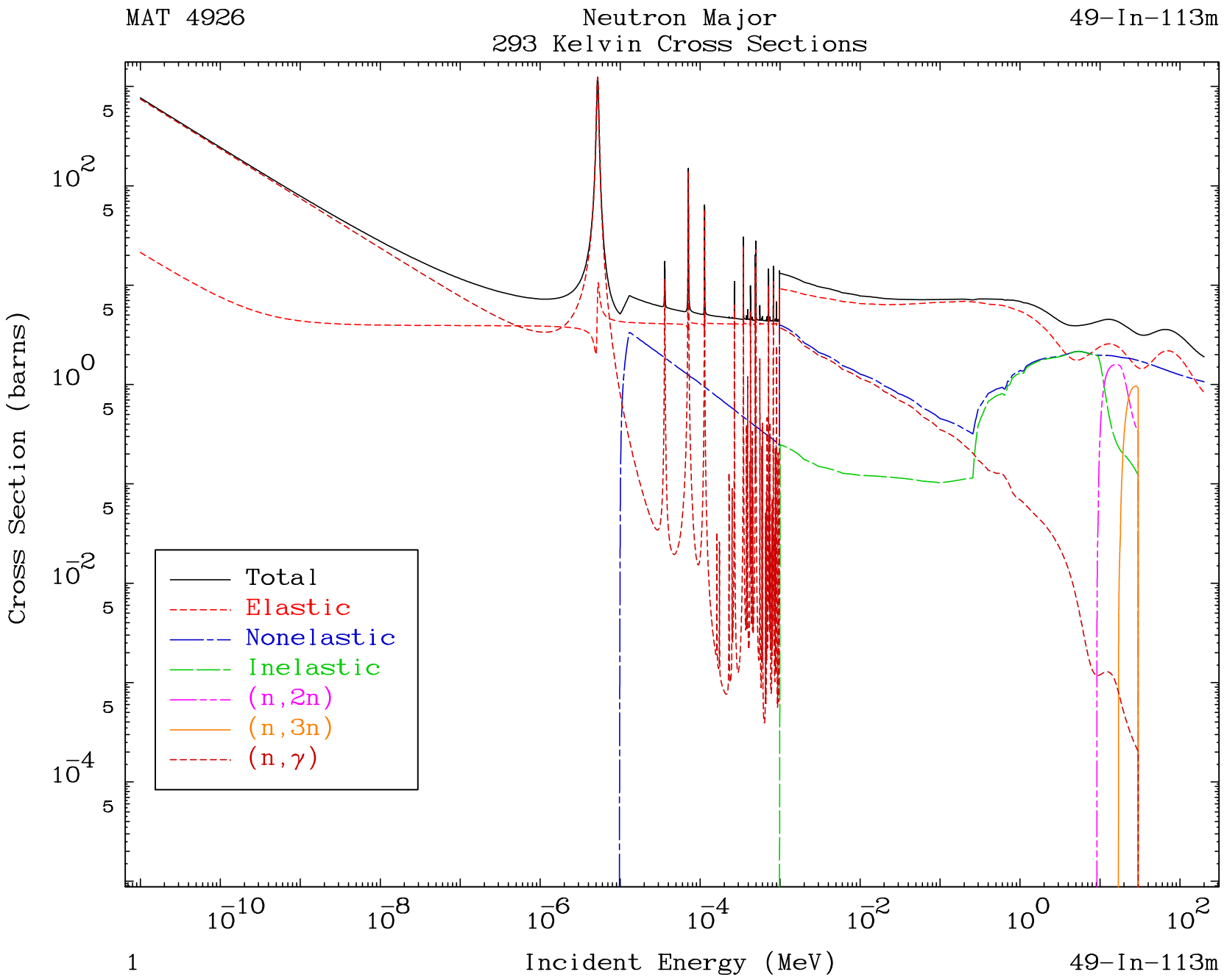
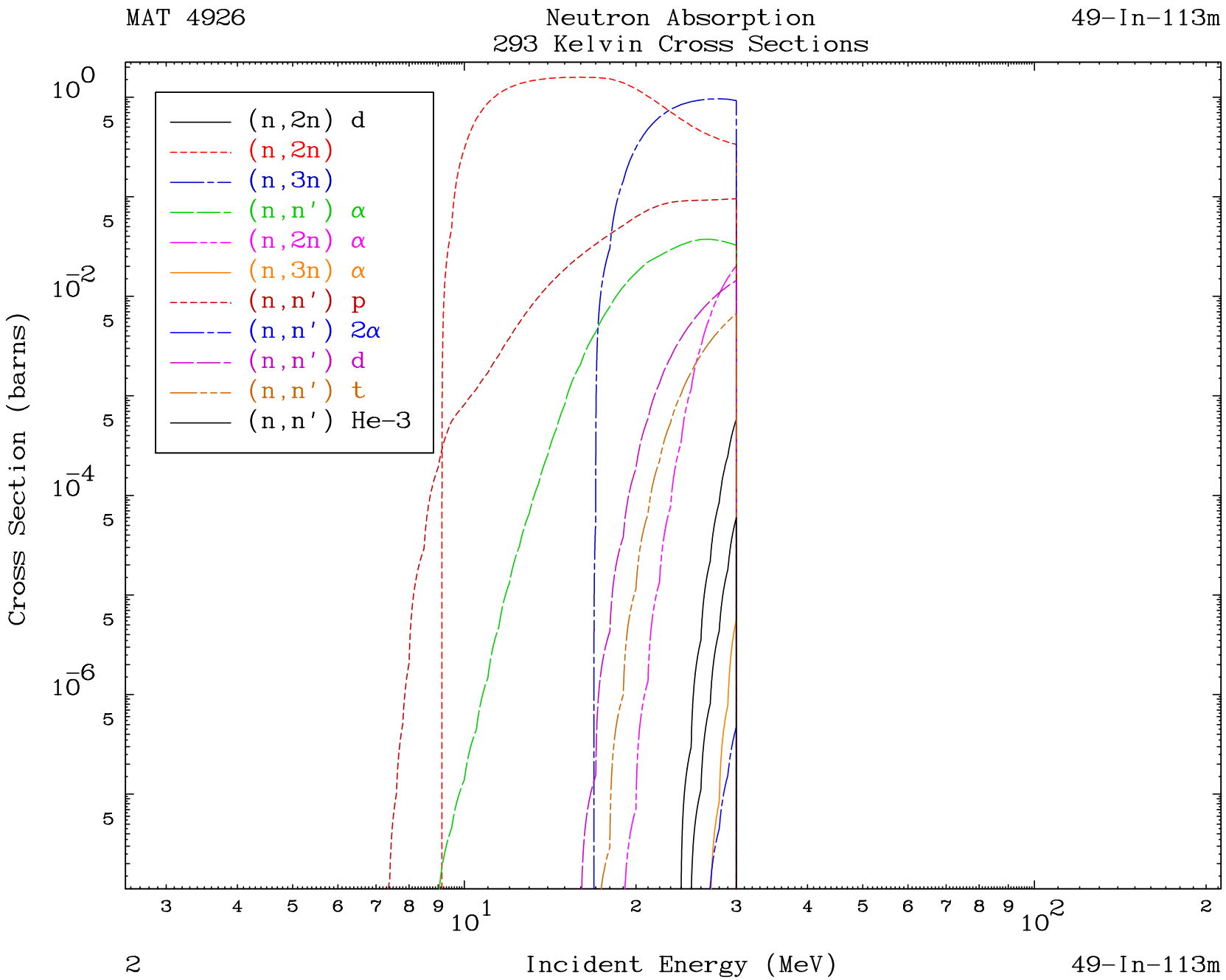
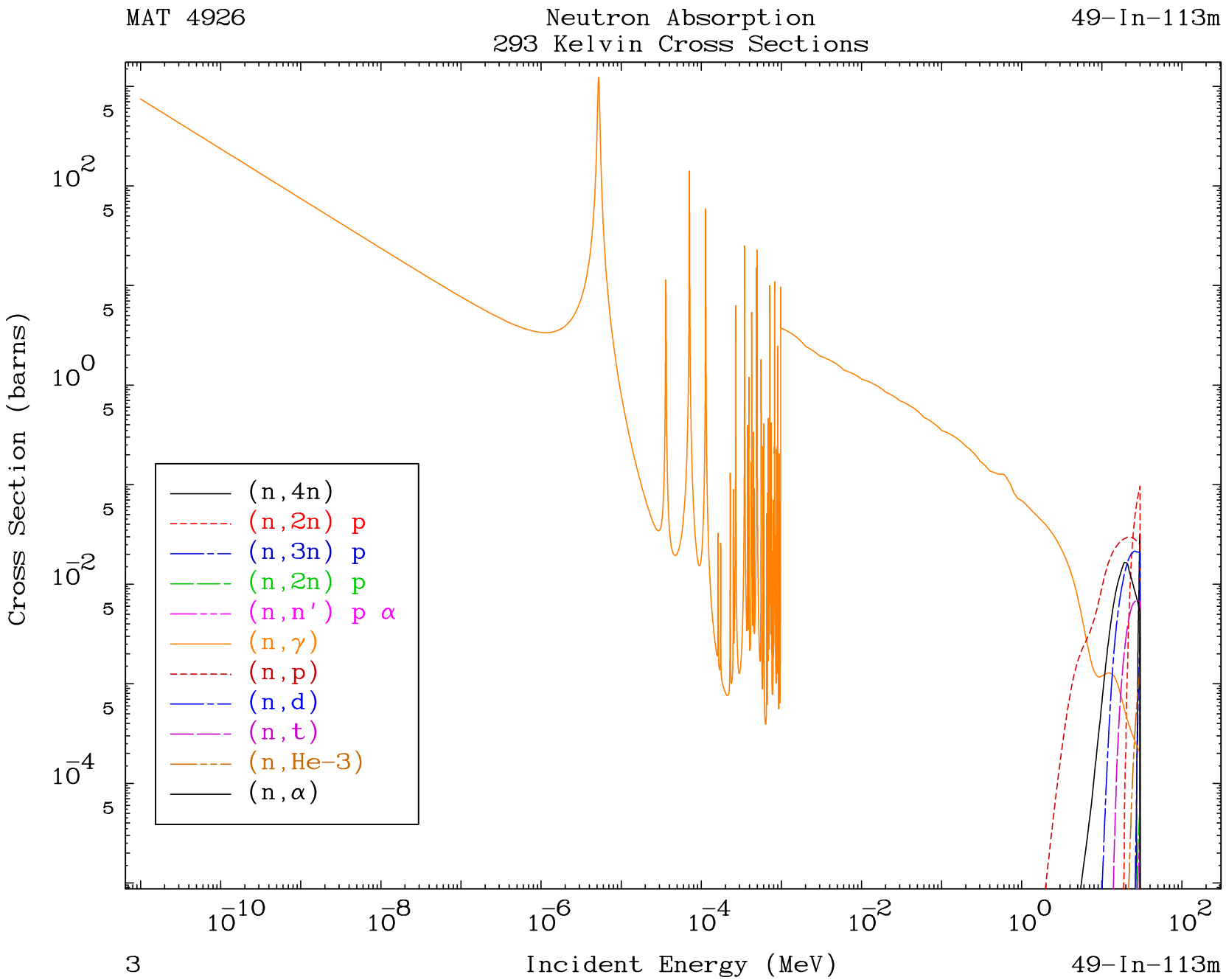
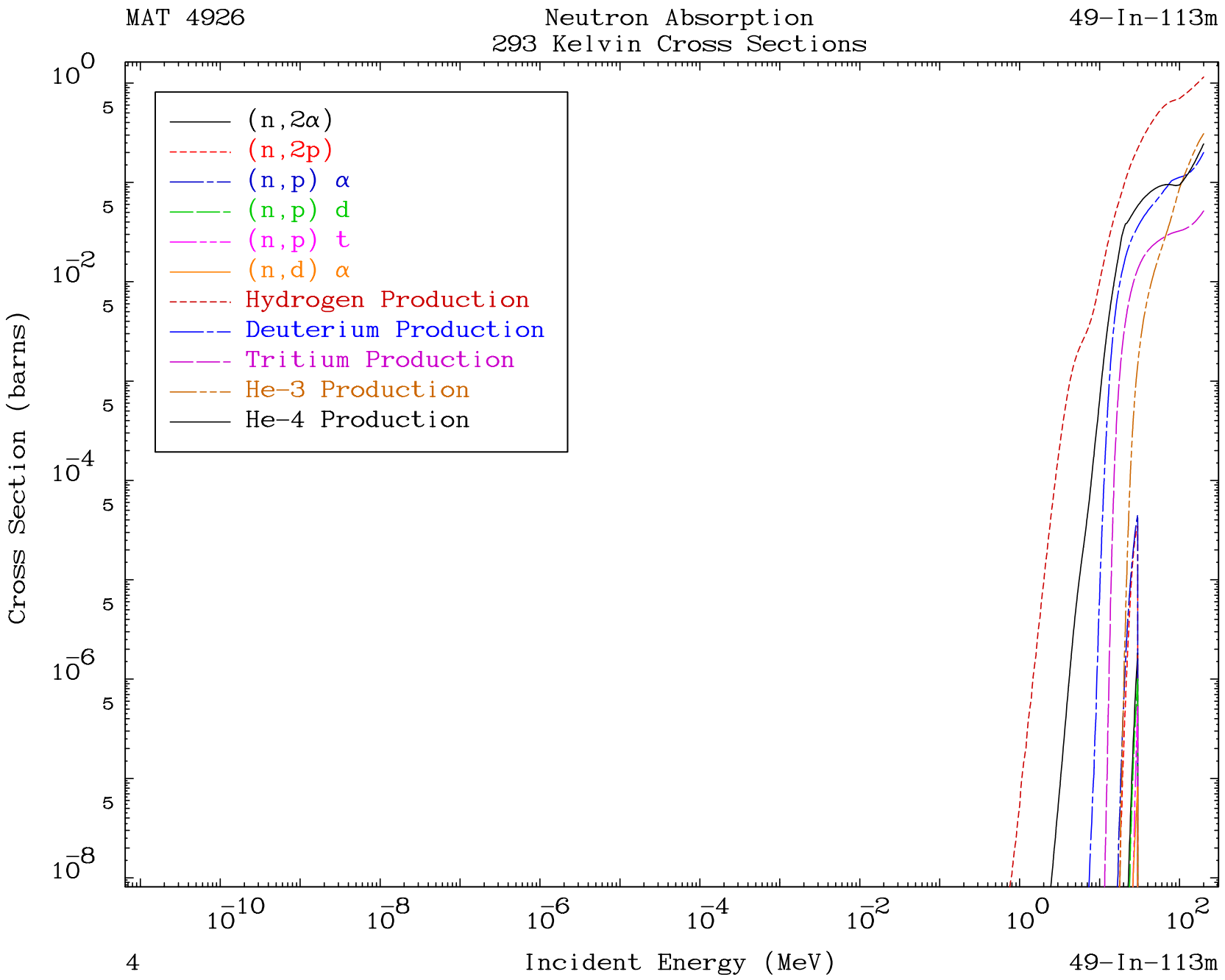
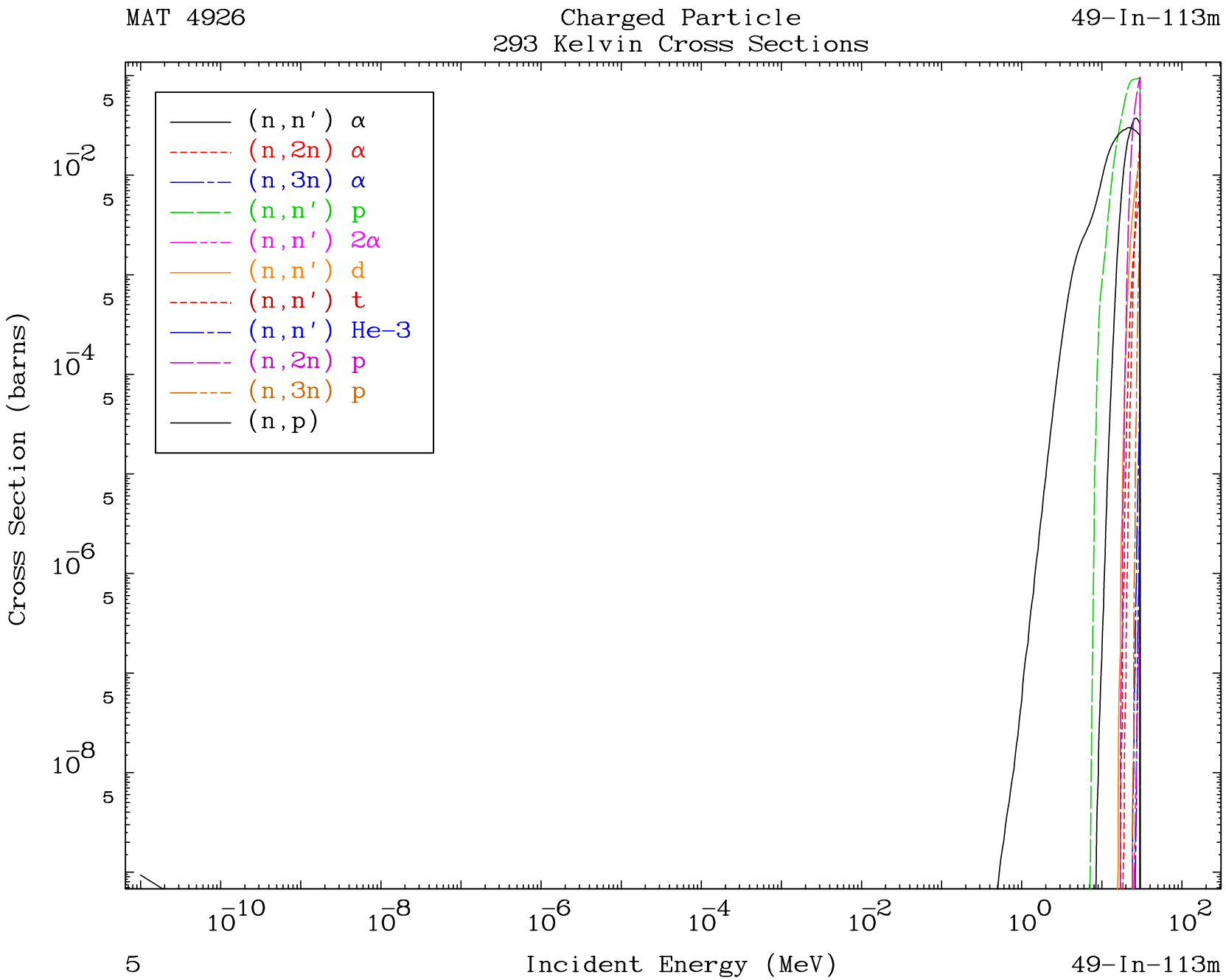
Press Mouse Button to Start

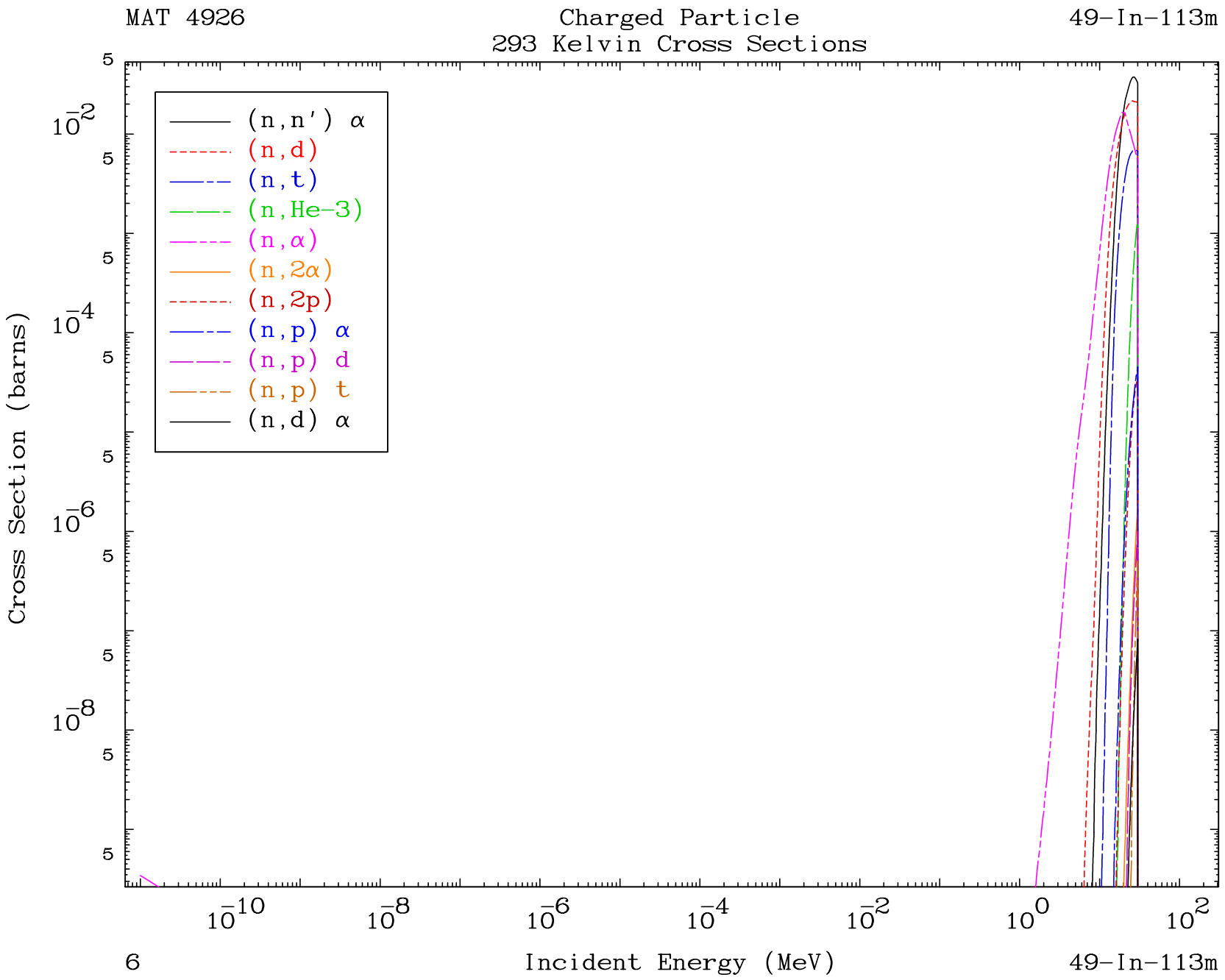

MAT 4926
Neutron Major
293 Kelvin Cross Sections
49-In-113m
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
1
49-In-113m

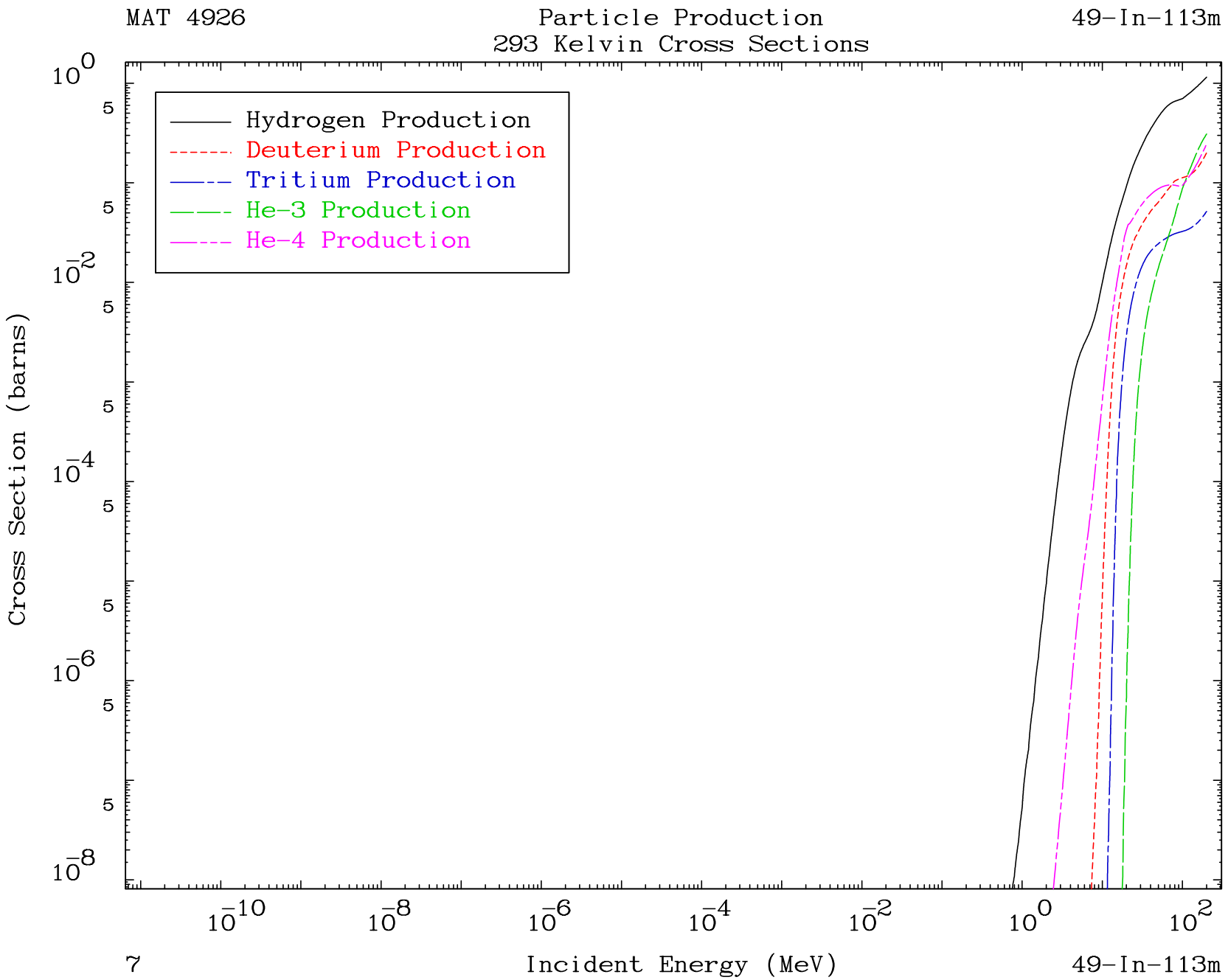

MAT 4926
Neutron Absorption
293 Kelvin Cross Sections
49-In-113m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
Cross Section (barns)
Incident Energy (MeV)
49-In-113m
2

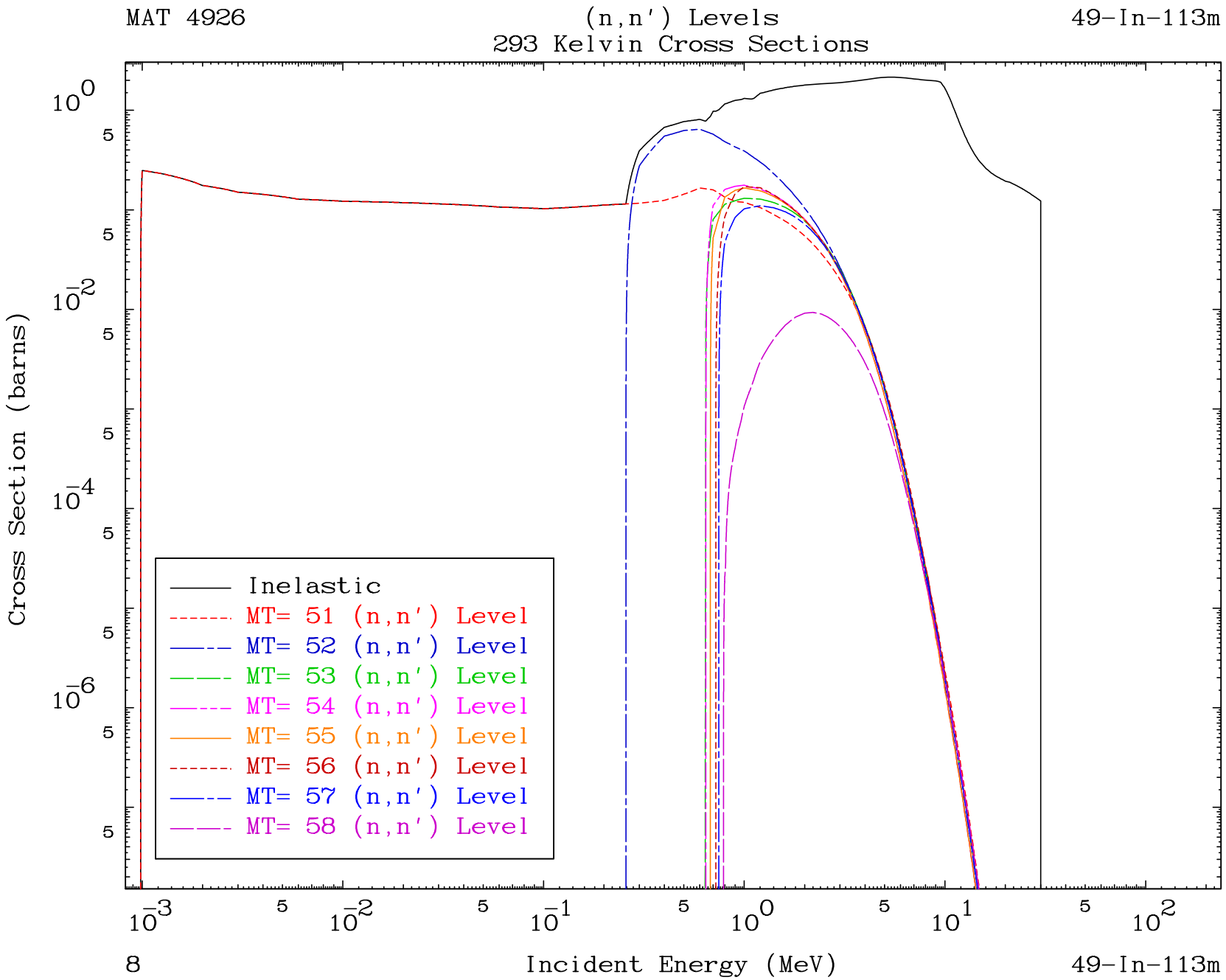

MAT 4926
Neutron Absorption
293 Kelvin Cross Sections
49-In-113m
Cross Section (barns)
Incident Energy (MeV)
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
3
49-In-113m

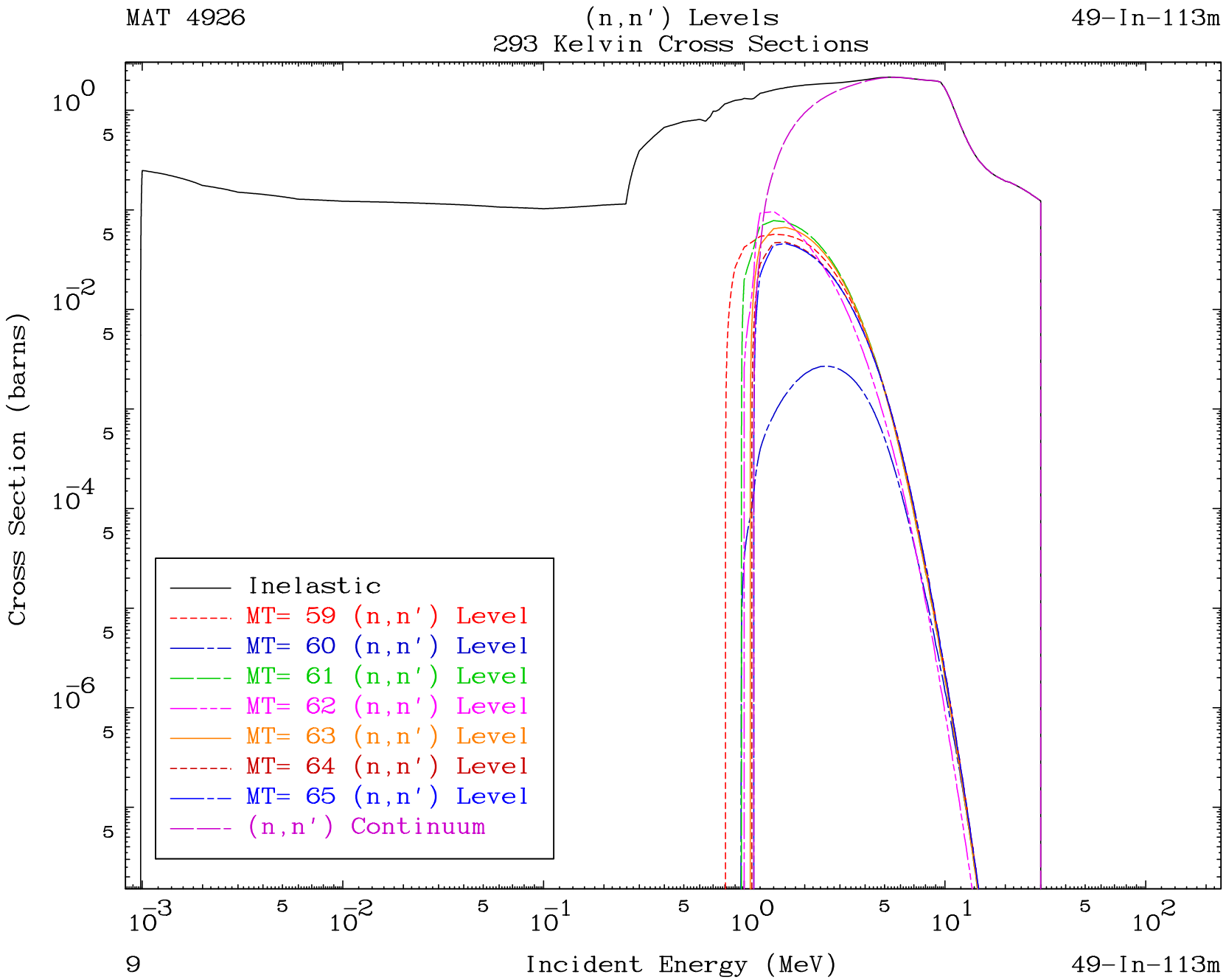

MAT 4926
Neutron Absorption
293 Kelvin Cross Sections
49-In-113m
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Cross Section (barns)
Incident Energy (MeV)
4
49-In-113m

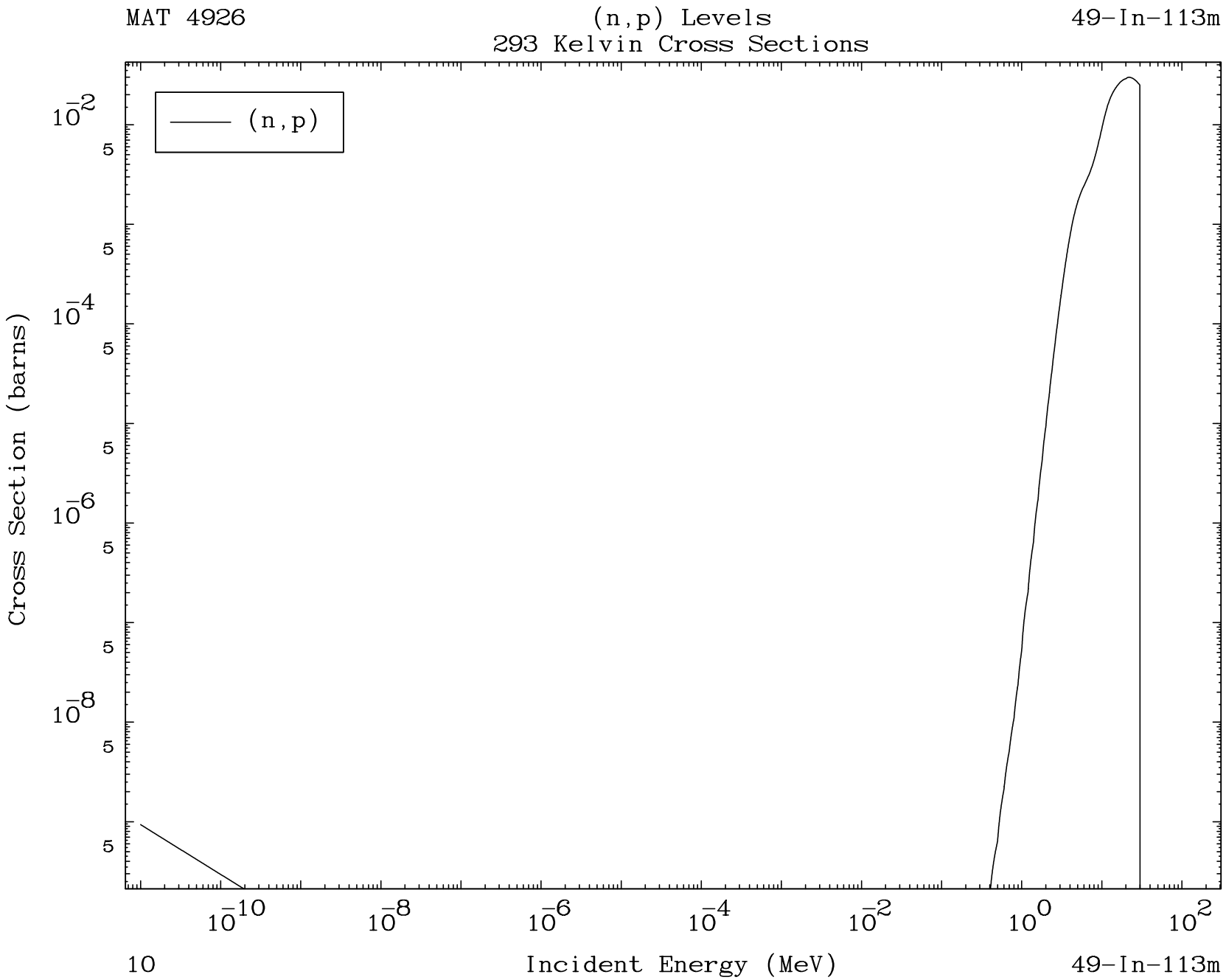

MAT 4926
Charged Particle
293 Kelvin Cross Sections
49-In-113m
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
Incident Energy (MeV)
49-In-113m

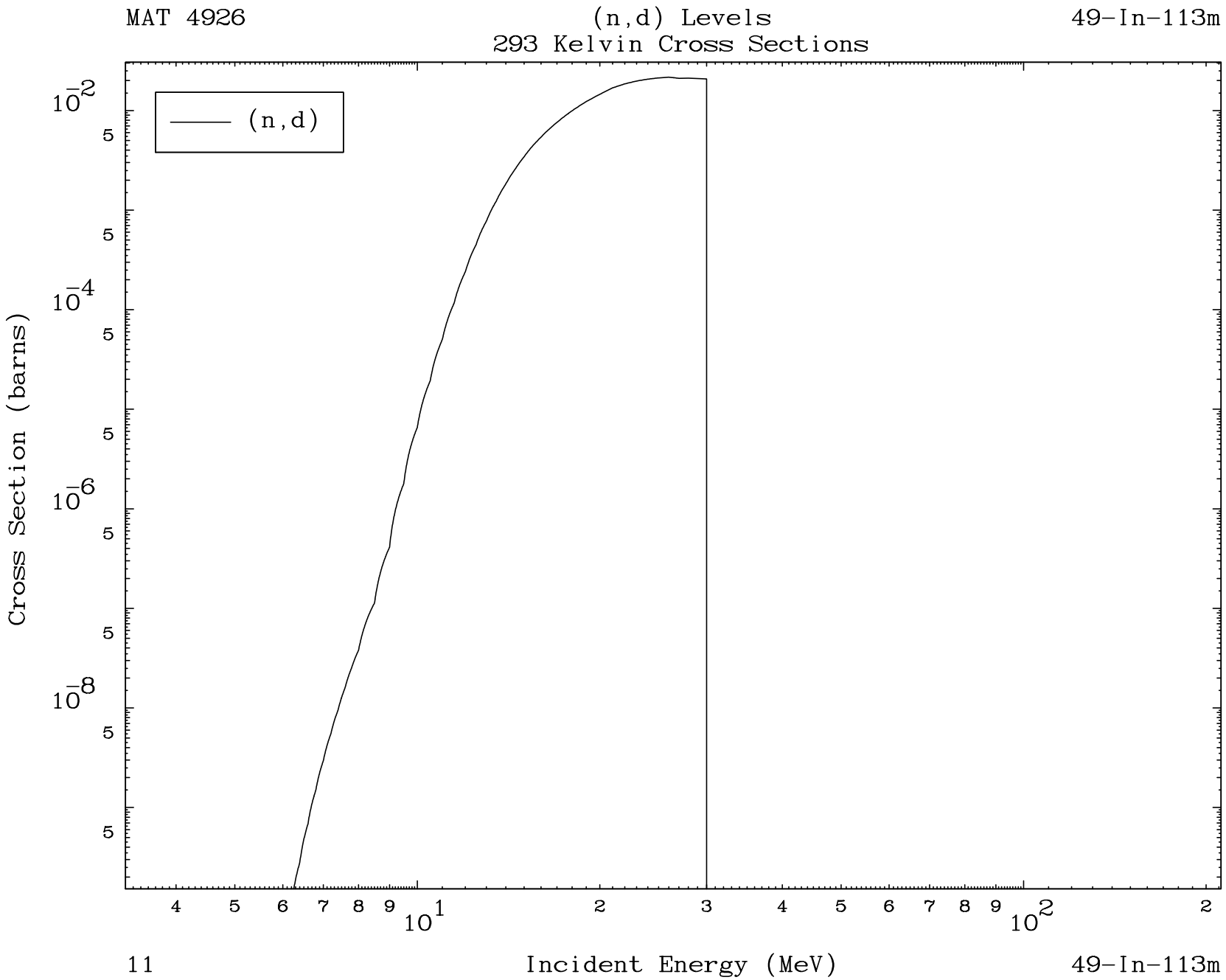

MAT 4926
Charged Particle
293 Kelvin Cross Sections
49-In-113m
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
6
49-In-113m

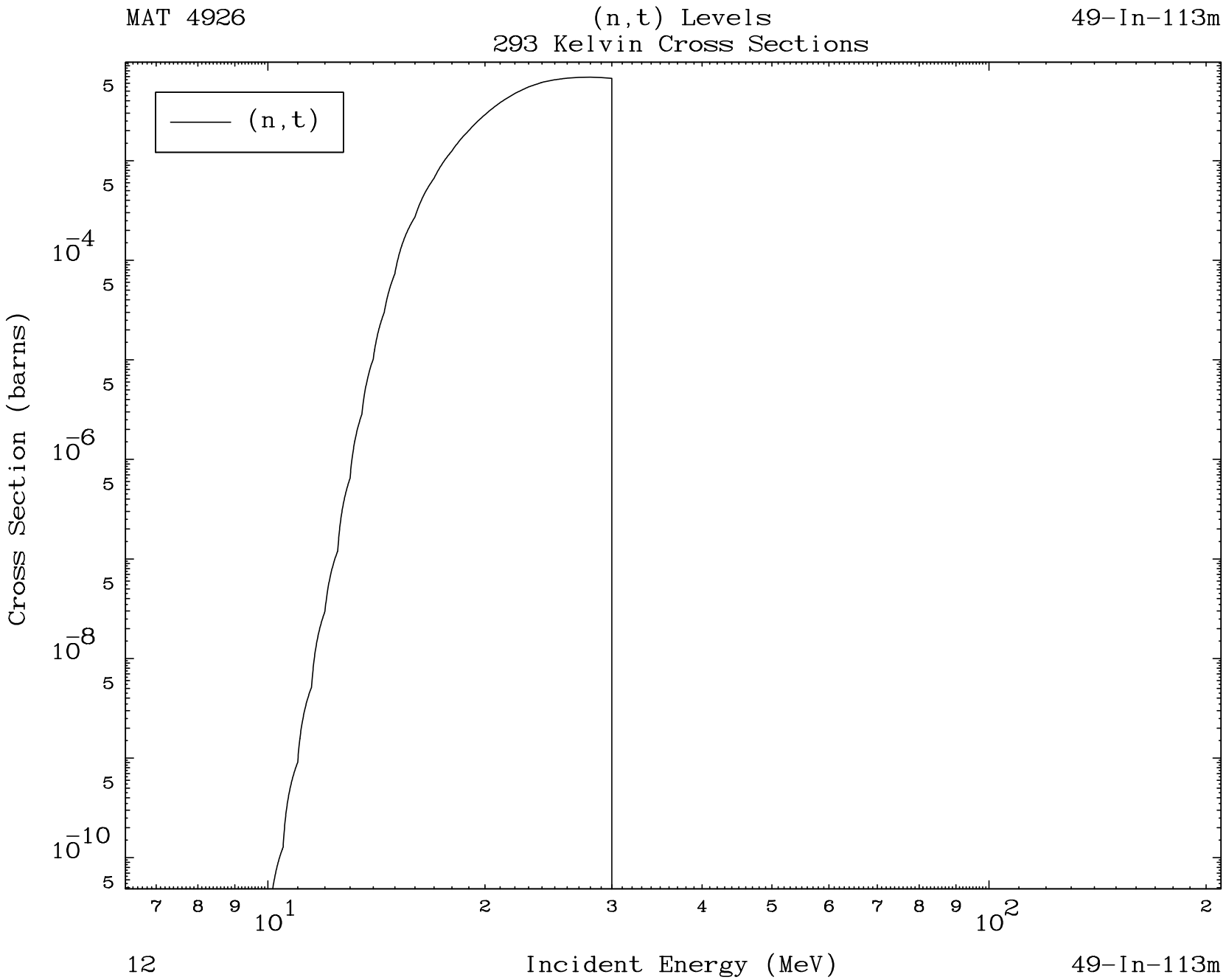

MAT 4926
Particle Production
293 Kelvin Cross Sections
49-In-113m
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Cross Section (barns)
Incident Energy (MeV)
7
49-In-113m

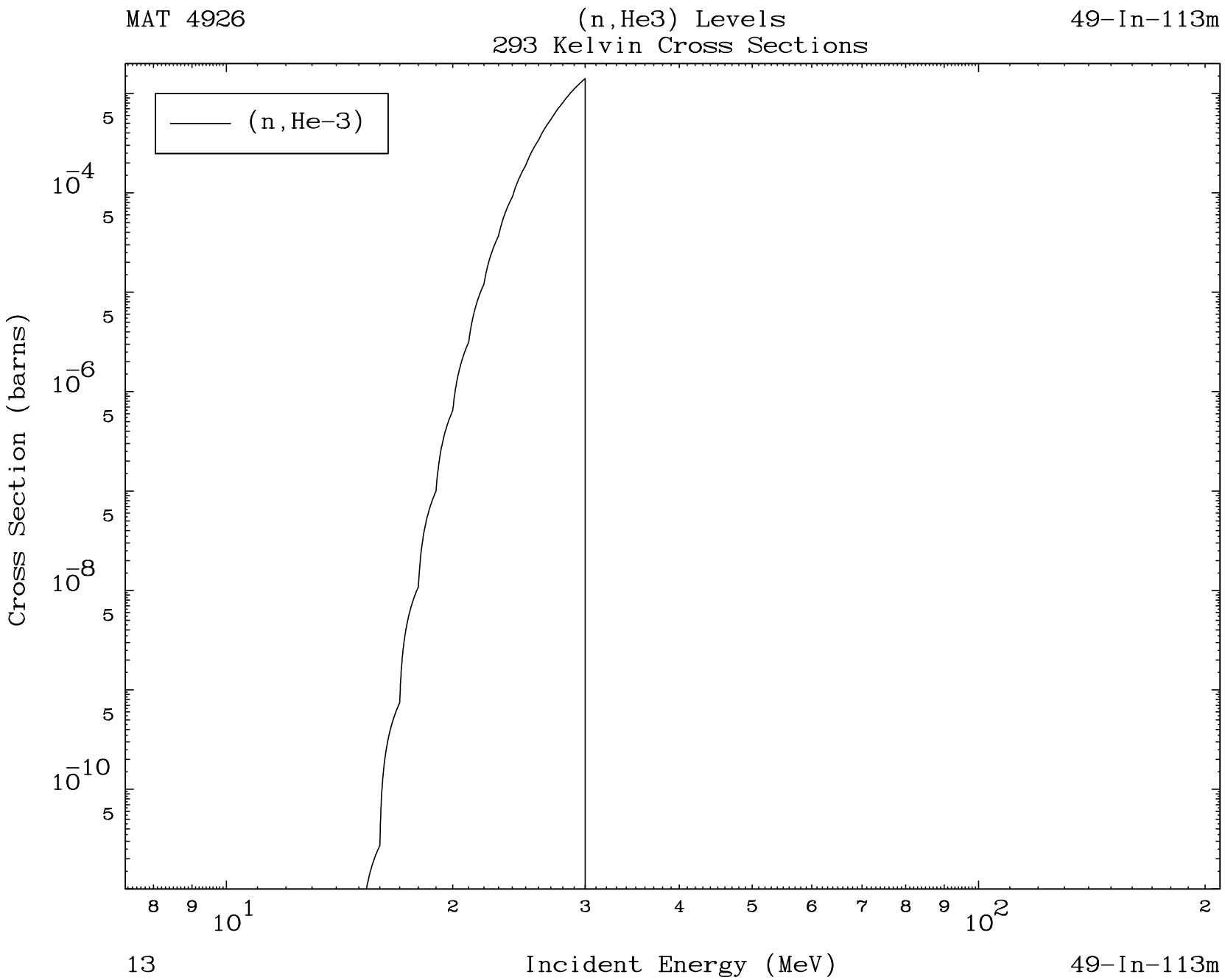

MAT 4926
(n,n') Levels
293 Kelvin Cross Sections
49-In-113m
Cross Section (barns)
Incident Energy (MeV)
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
8
49-In-113m

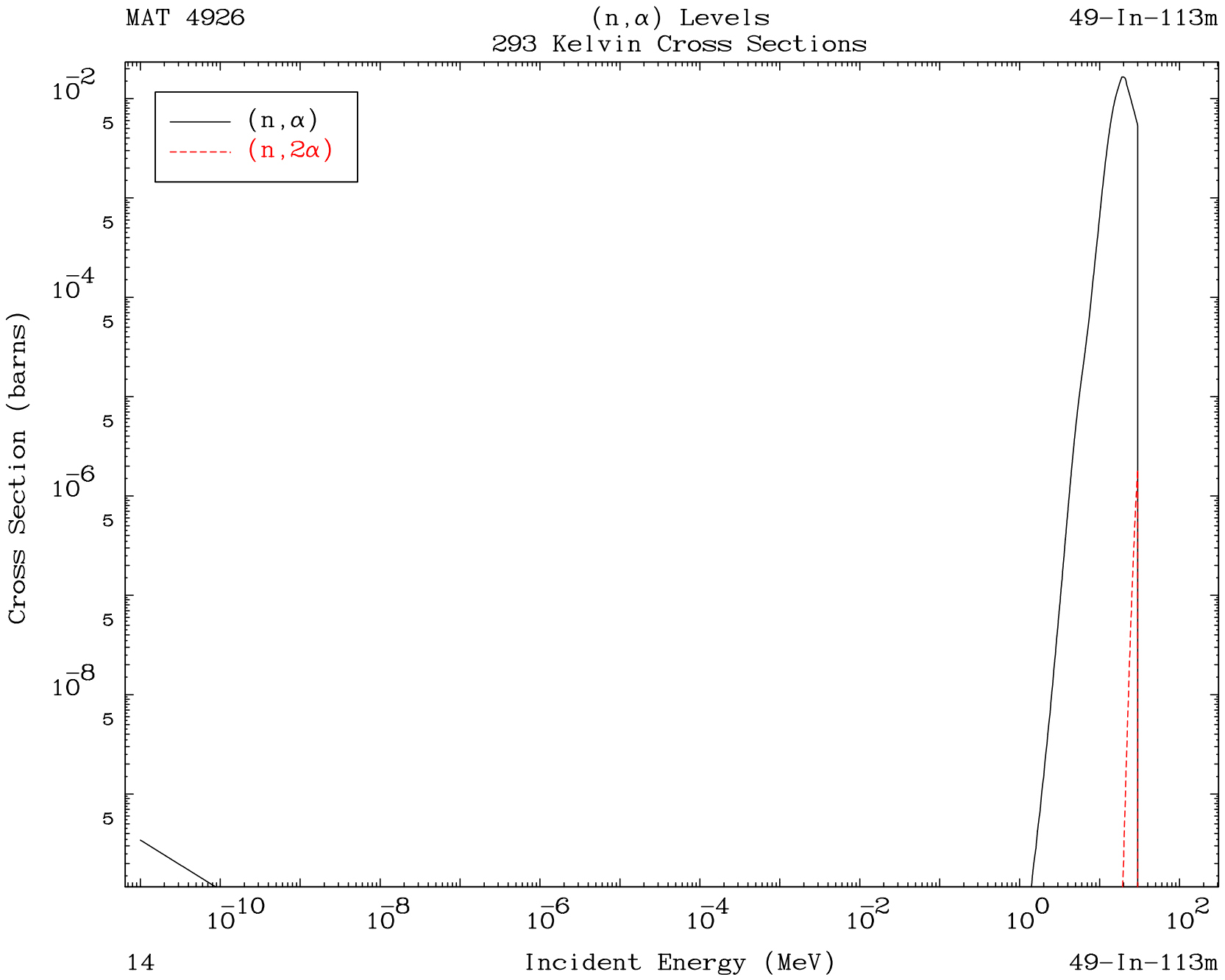

MAT 4926
(n,n') Levels
293 Kelvin Cross Sections
49-In-113m
Cross Section (barns)
Incident Energy (MeV)
49-In-113m
9
Inelastic
MT= 59 (n,n') Level
MT= 60 (n,n') Level
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
(n,n') Continuum

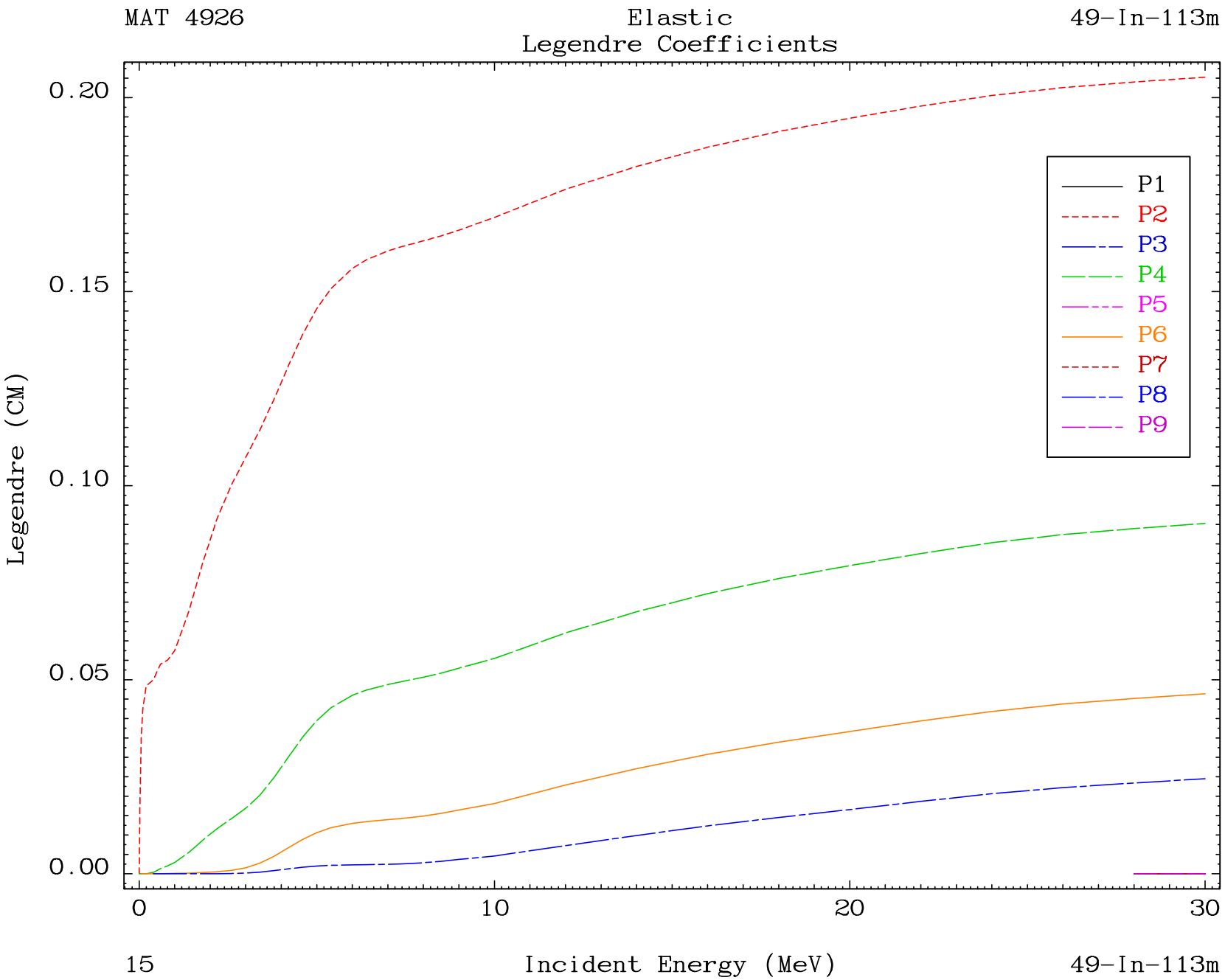

MAT 4926
(n,p) Levels
293 Kelvin Cross Sections
49-In-113m
(n,p)
Cross Section (barns)
Incident Energy (MeV)
10
49-In-113m

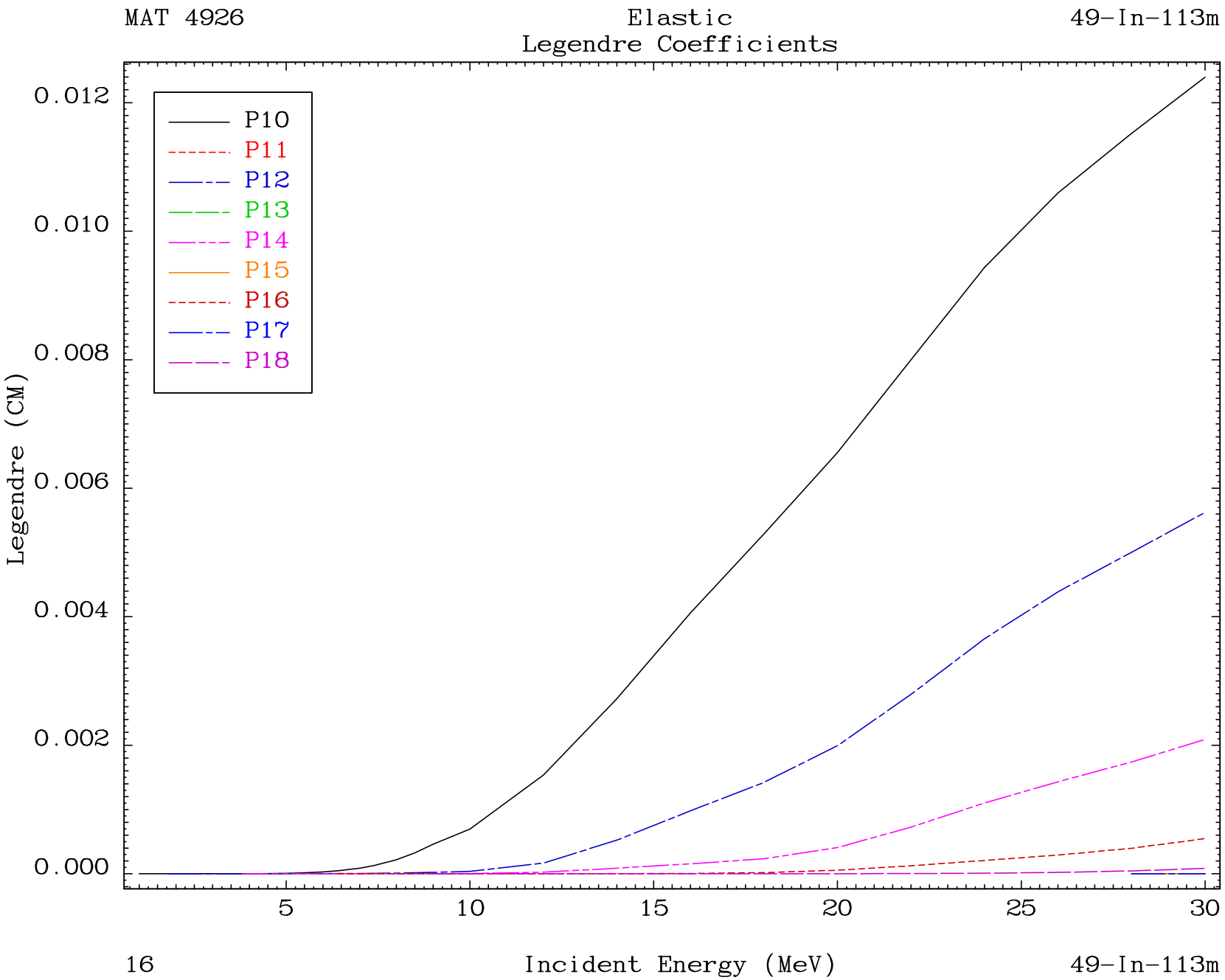

MAT 4926
(n,d) Levels
293 Kelvin Cross Sections
49-In-113m
(n,d)
Cross Section (barns)
Incident Energy (MeV)
11
49-In-113m

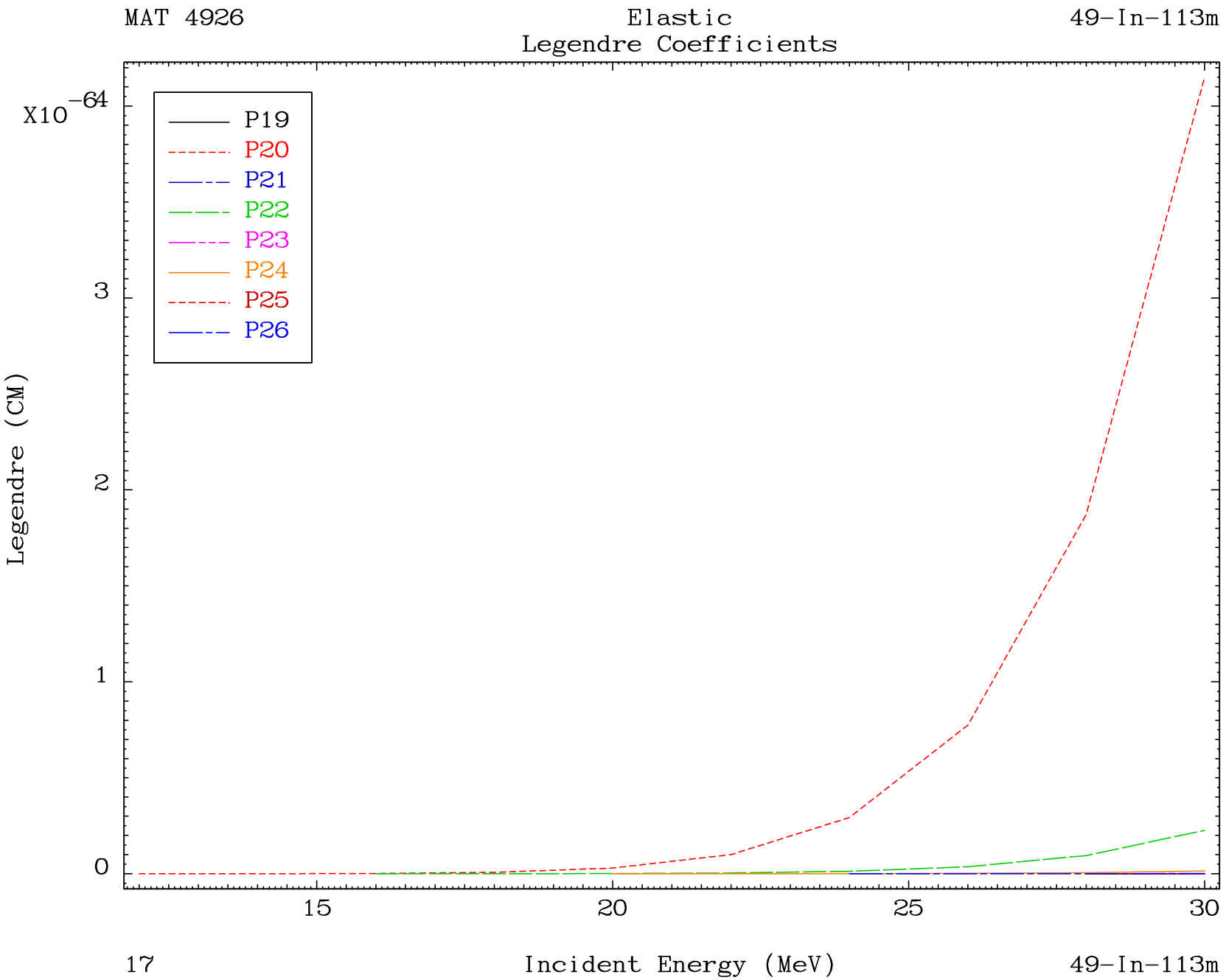

MAT 4926
(n,t) Levels
49-In-113m
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
12
49-In-113m

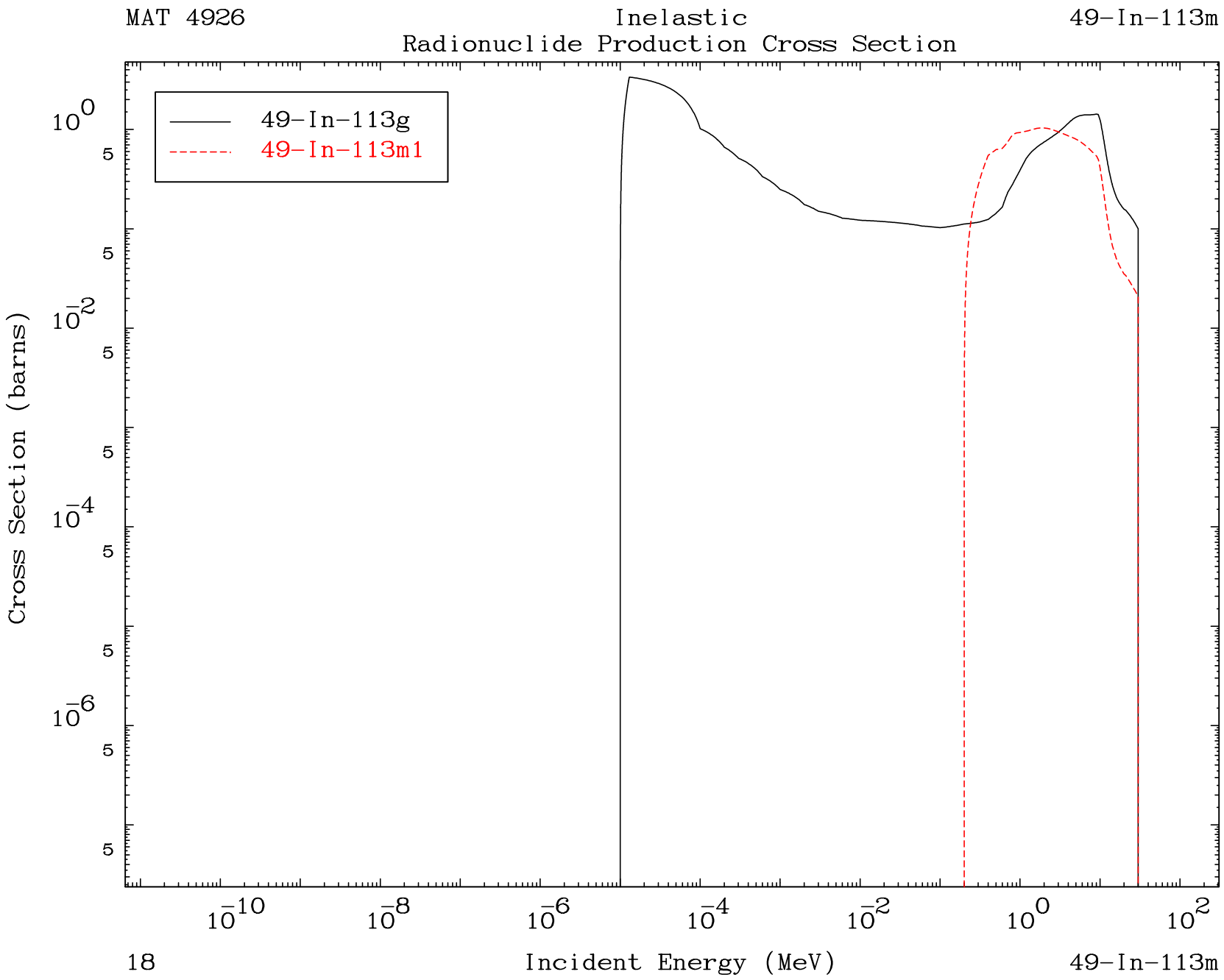

MAT 4926
(n,He3) Levels
49-In-113m
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
13
Incident Energy (MeV)
49-In-113m

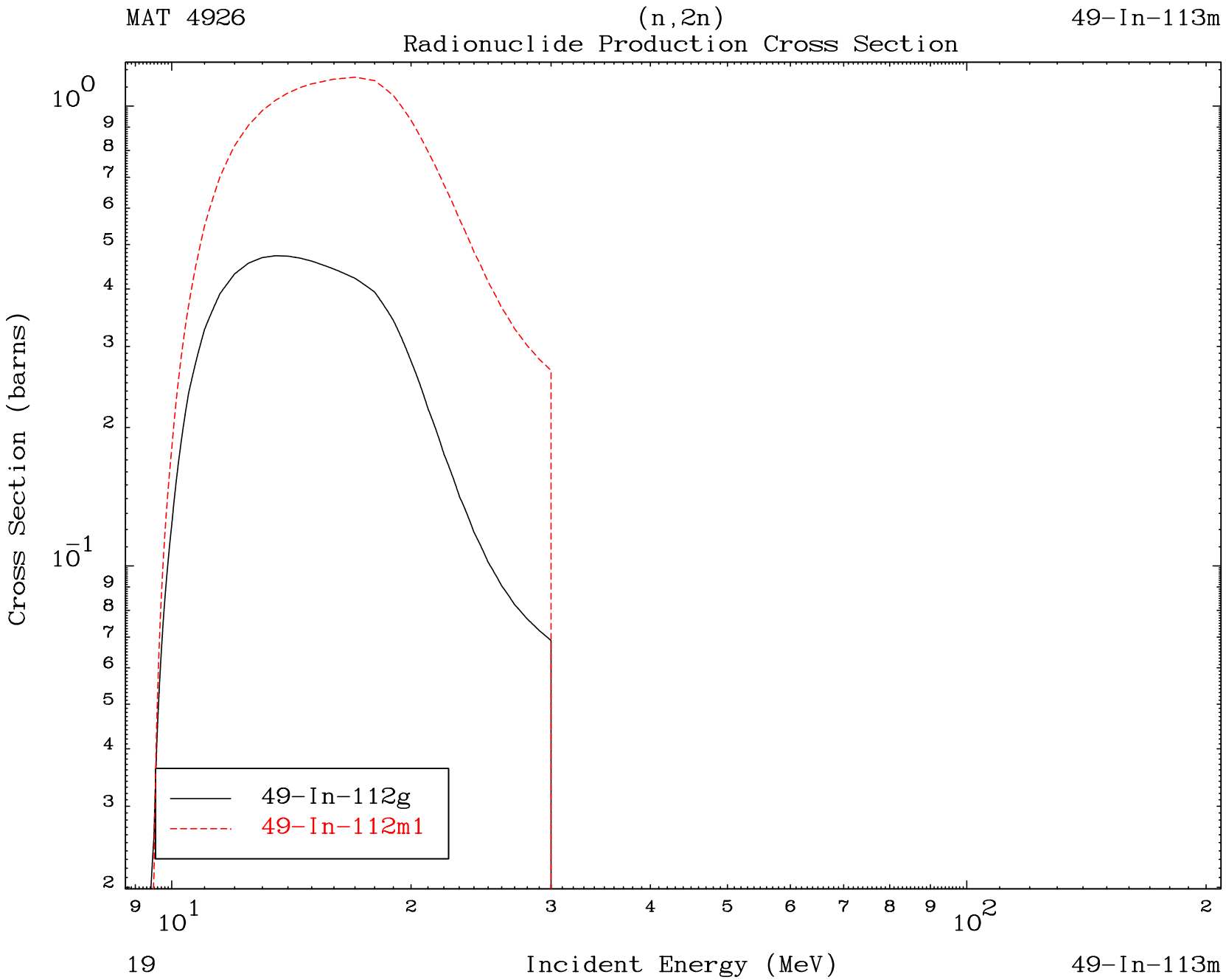

MAT 4926
(n,α) Levels
293 Kelvin Cross Sections
49-In-113m
(n,α)
(n,2α)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
10^-10
10^0
10^2
Incident Energy (MeV)
14
49-In-113m

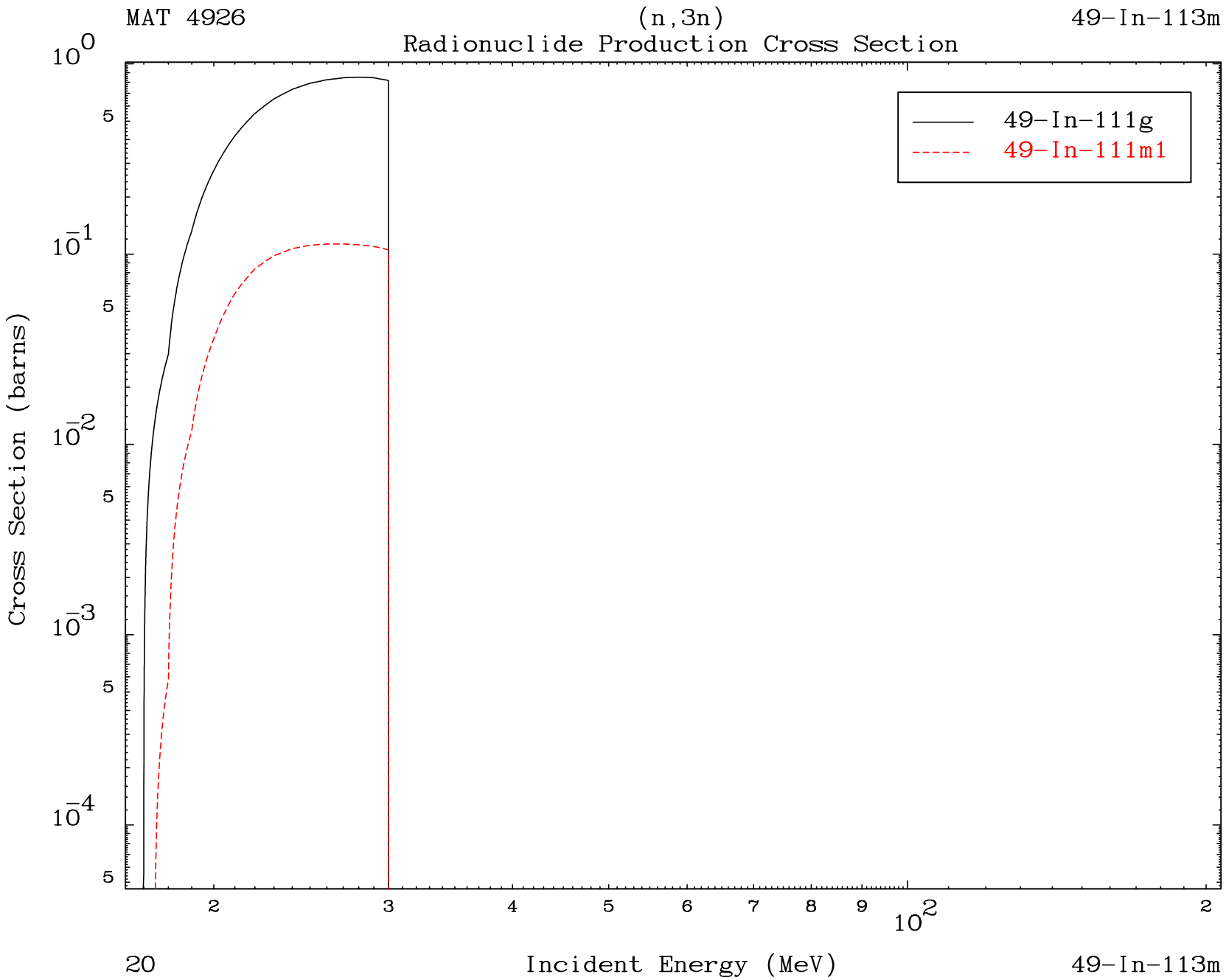

MAT 4926
Elastic
Legendre Coefficients
49-In-113m
0.20
0.15
0.10
0.05
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
10
20
30
15
Incident Energy (MeV)
49-In-113m

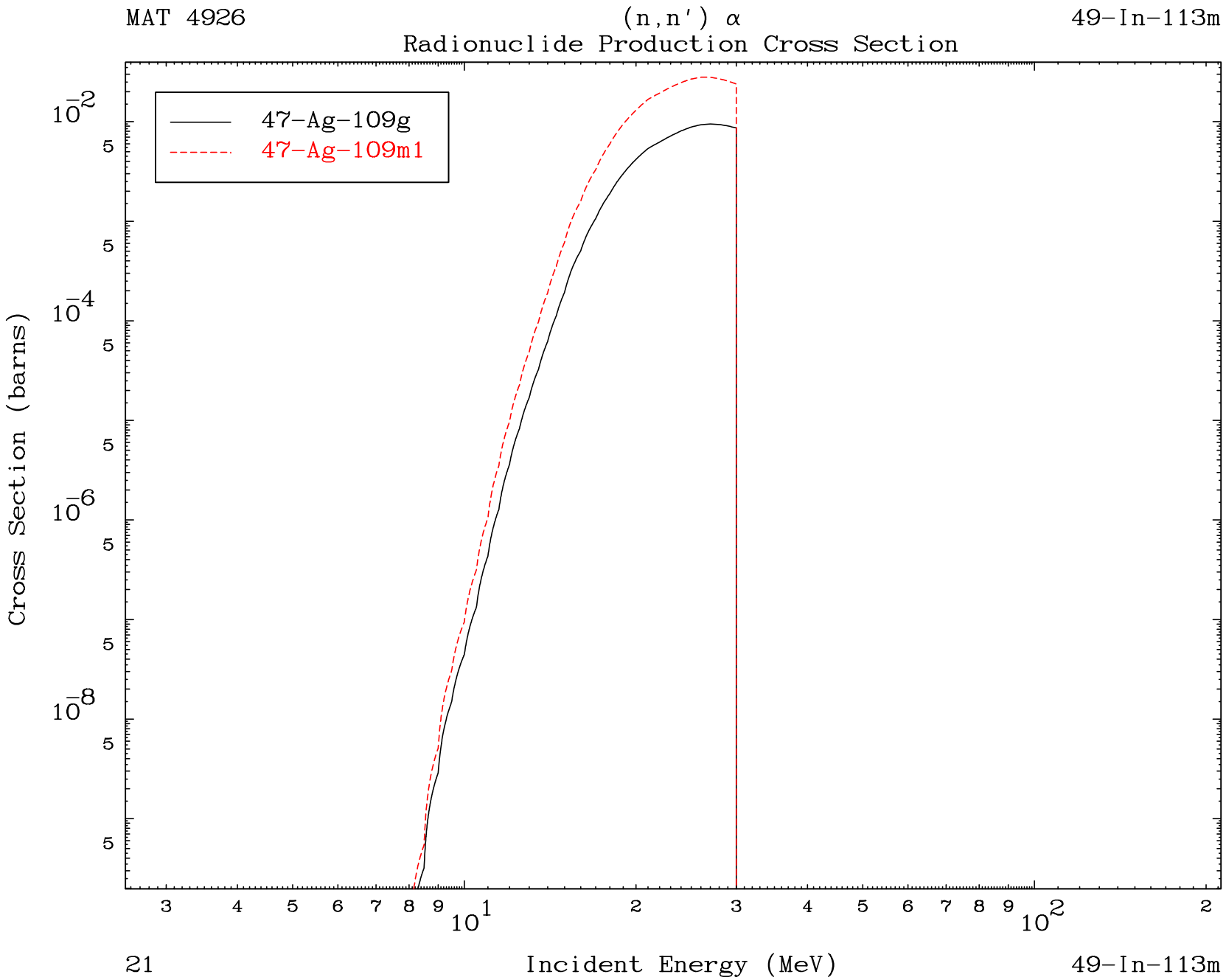

MAT 4926
Elastic
Legendre Coefficients
49-In-113m
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.012
0.010
0.008
0.006
0.004
0.002
0.000
Legendre (CM)
5
10
15
20
25
30
16
Incident Energy (MeV)
49-In-113m

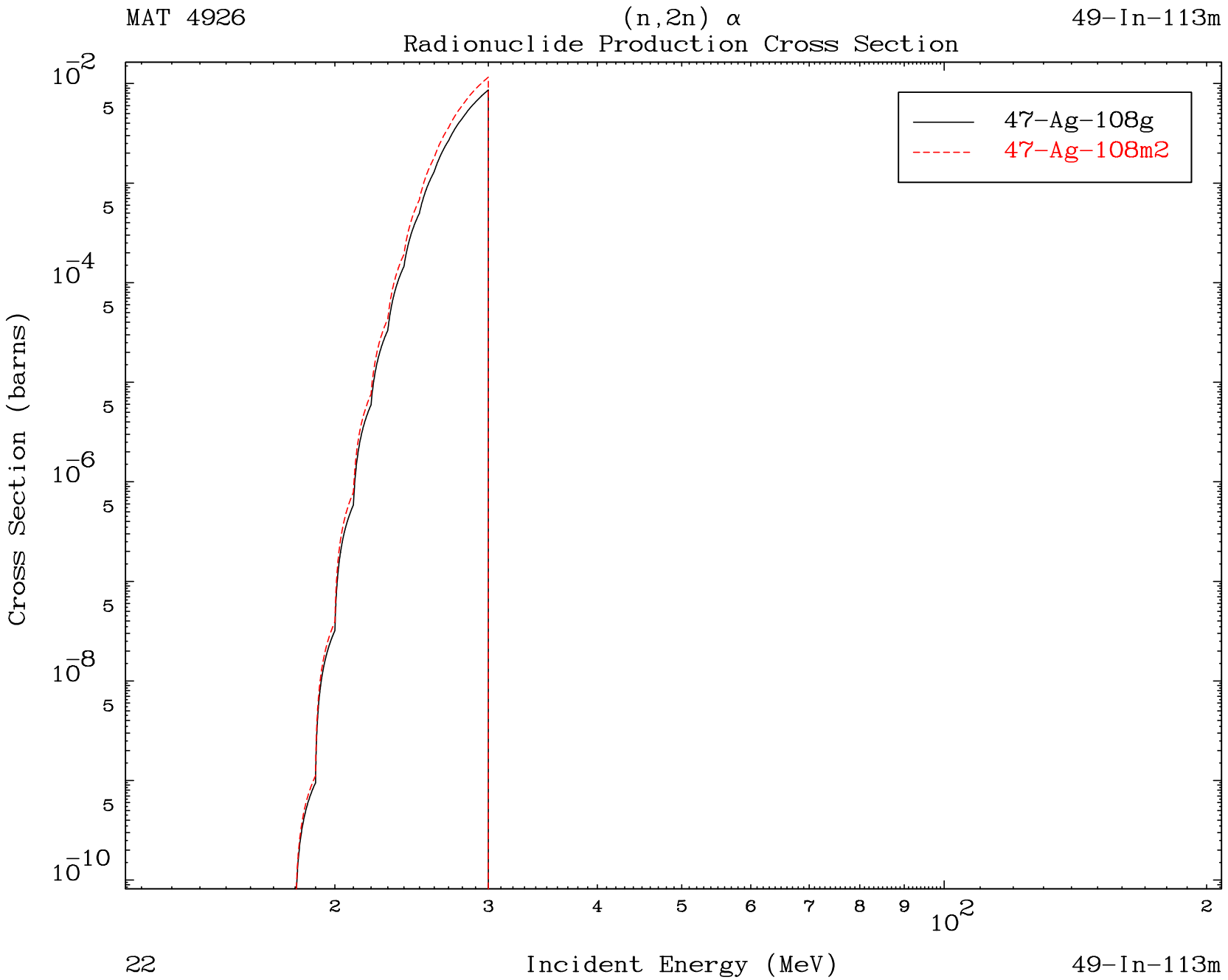

MAT 4926
Elastic
Legendre Coefficients
49-In-113m
X10 -64
P19
P20
P21
P22
P23
P24
P25
P26
Legendre (CM)
0
1
2
3
15
20
25
30
17
Incident Energy (MeV)
49-In-113m

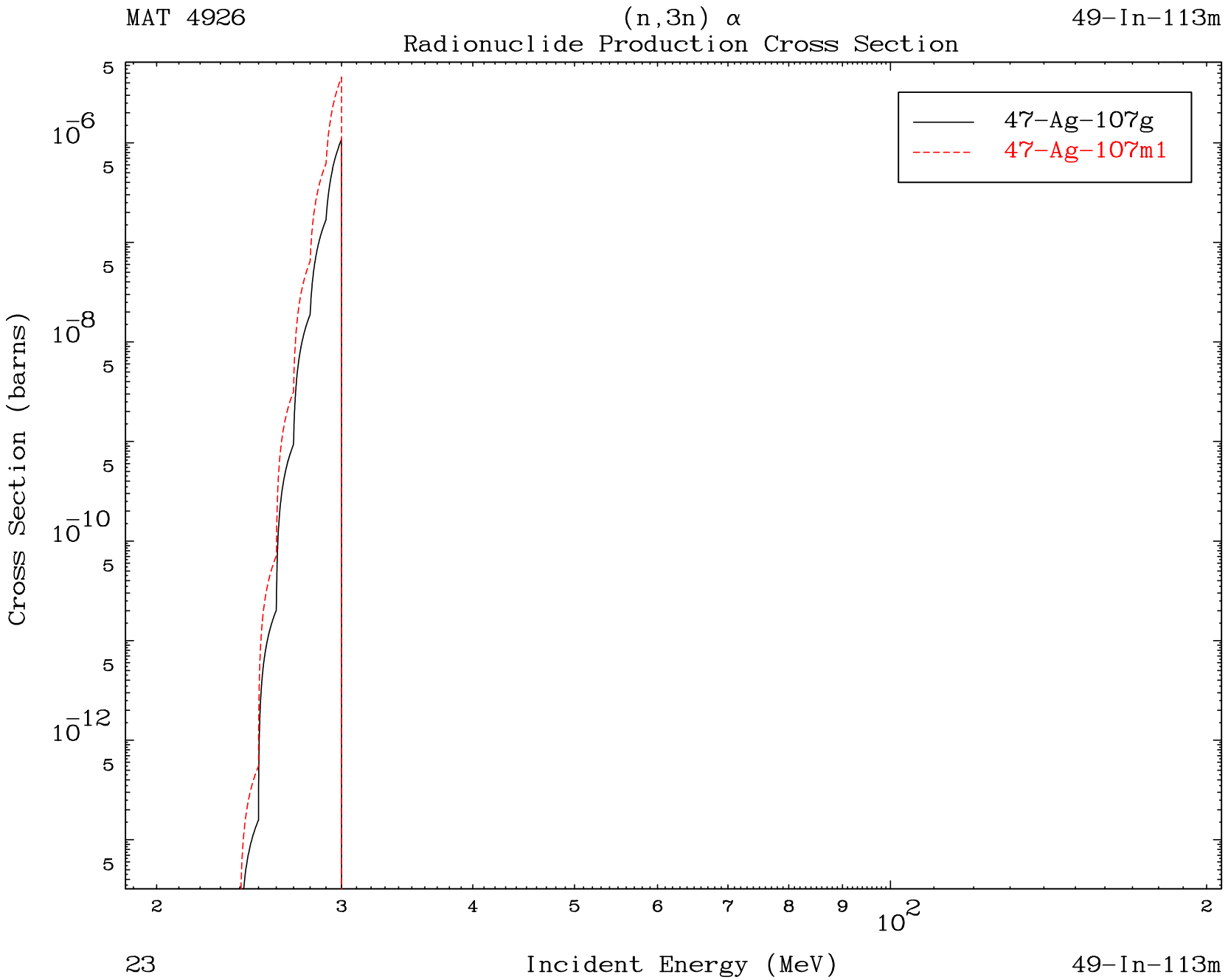

MAT 4926
Inelastic
49-In-113m
Radionuclide Production Cross Section
49-In-113g
49-In-113m1
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
18
Incident Energy (MeV)
49-In-113m

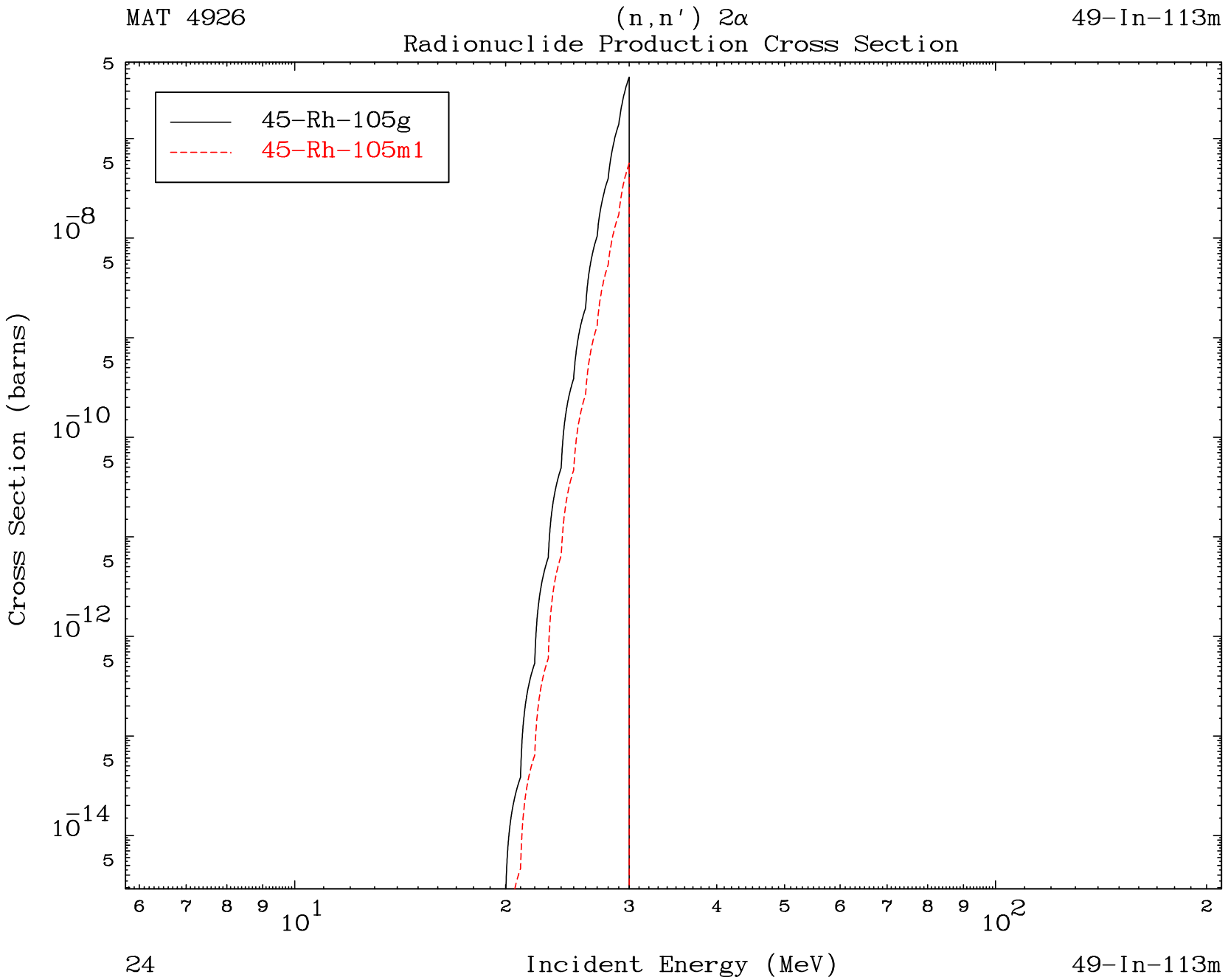

MAT 4926
(n,2n)
49-In-113m
Radionuclide Production Cross Section
Cross Section (barns)
10^0
10^-1
49-In-112g
49-In-112m1
10^1
10^2
Incident Energy (MeV)
19
49-In-113m

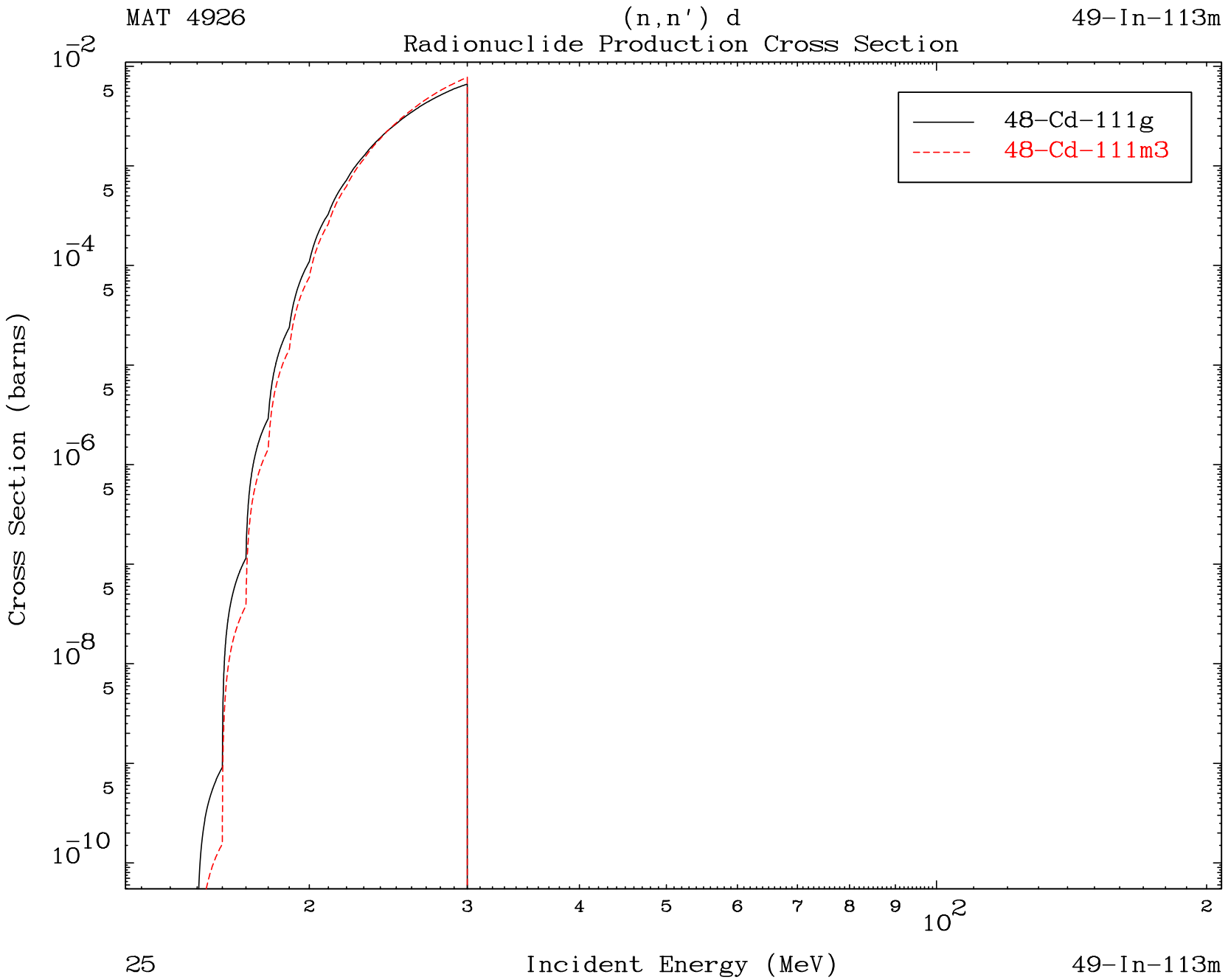

MAT 4926
(n,3n)
49-In-113m
Radionuclide Production Cross Section
49-In-111g
49-In-111m1
Cross Section (barns)
Incident Energy (MeV)
20
49-In-113m

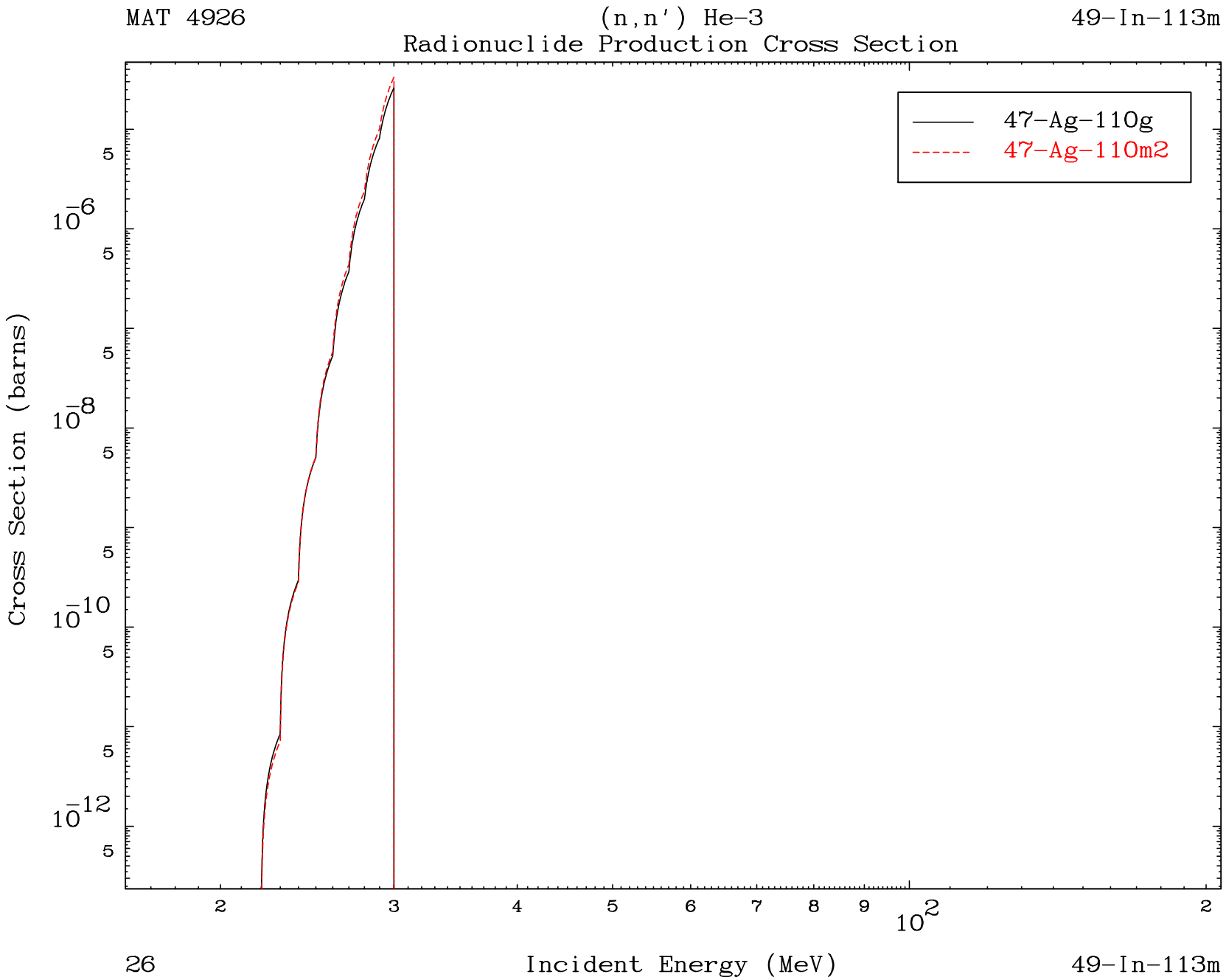

MAT 4926
(n,n') α
49-In-113m
Radionuclide Production Cross Section
47-Ag-109g
47-Ag-109m1
Cross Section (barns)
10-2
10-4
10-6
10-8
5
3 4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
21
Incident Energy (MeV)
49-In-113m

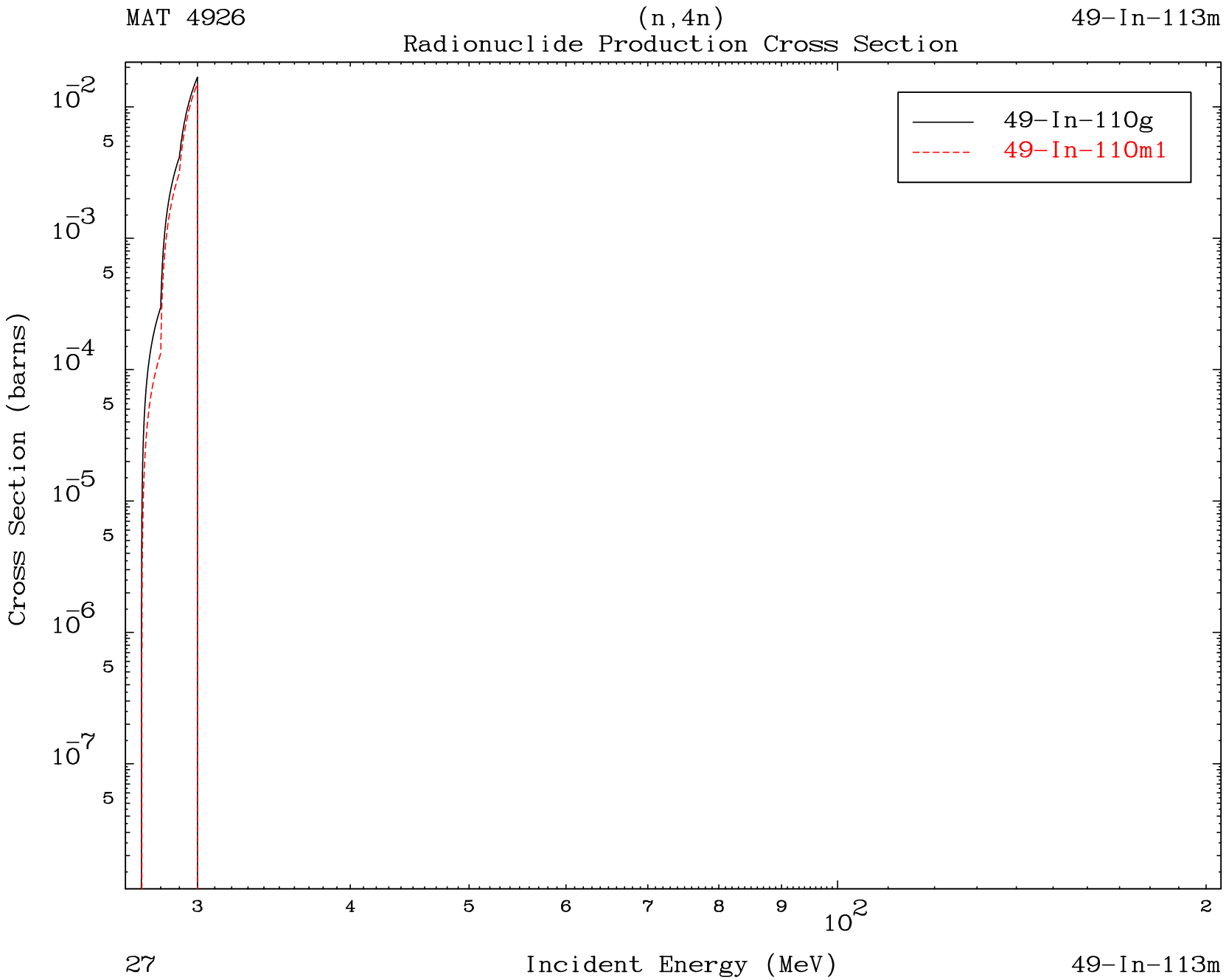

MAT 4926
(n,2n) α
49-In-113m
Radionuclide Production Cross Section
47-Ag-108g
47-Ag-108m2
Cross Section (barns)
Incident Energy (MeV)
22
49-In-113m

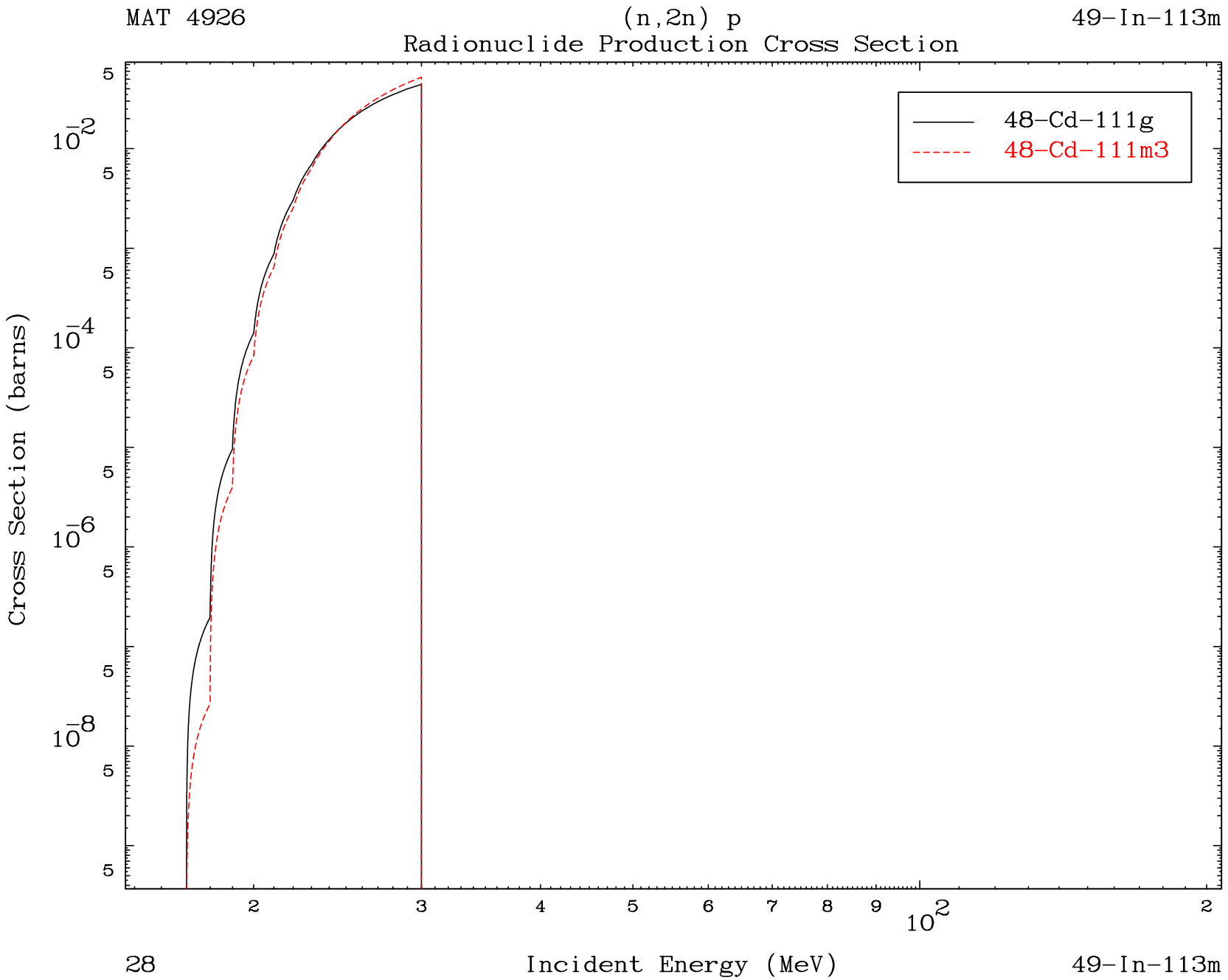

MAT 4926
(n,3n) α
49-In-113m
Radionuclide Production Cross Section
47-Ag-107g
47-Ag-107m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
23
Incident Energy (MeV)
49-In-113m

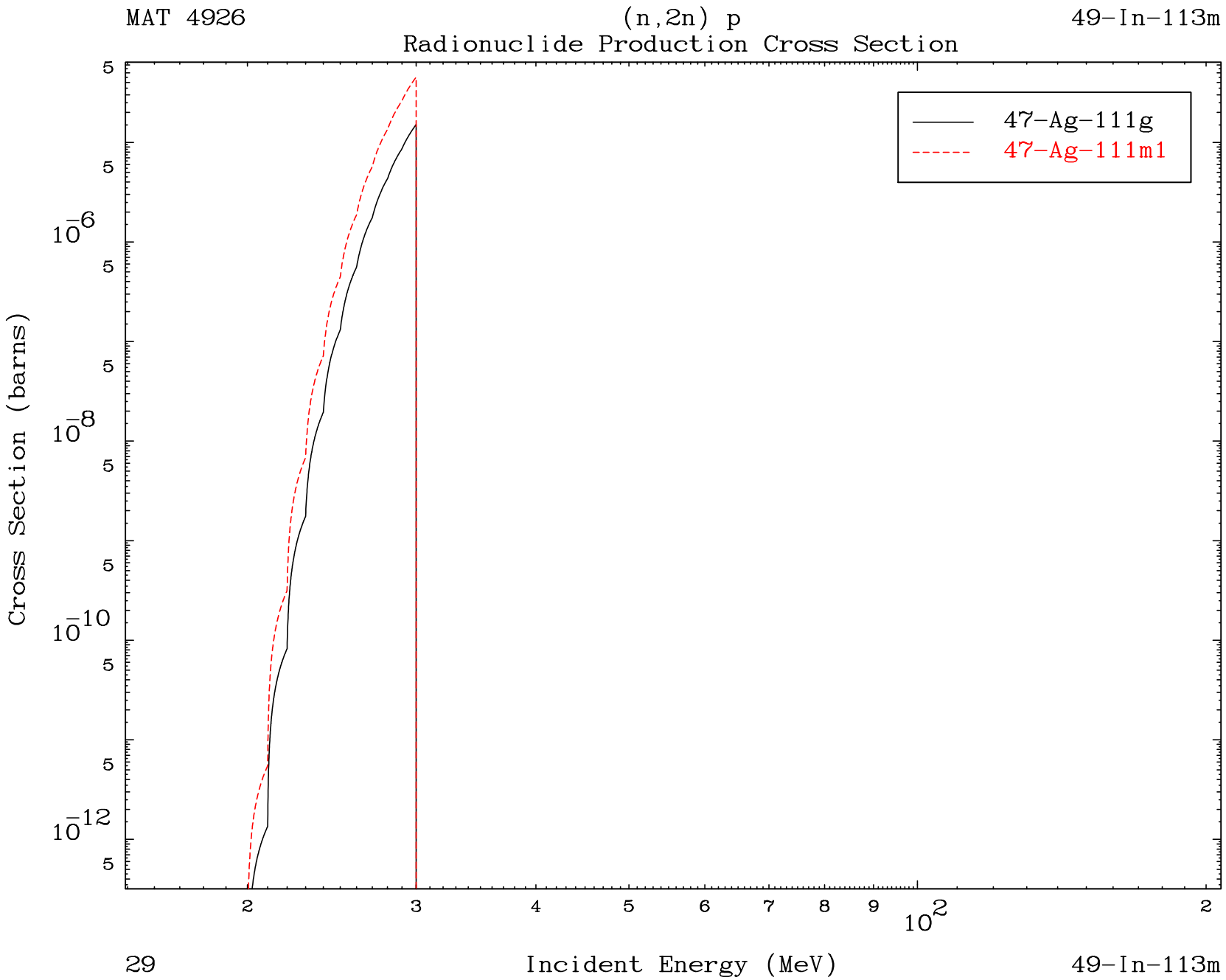

MAT 4926
(n,n') 2α
49-In-113m
Radionuclide Production Cross Section
45-Rh-105g
45-Rh-105m1
Cross Section (barns)
Incident Energy (MeV)
24
49-In-113m

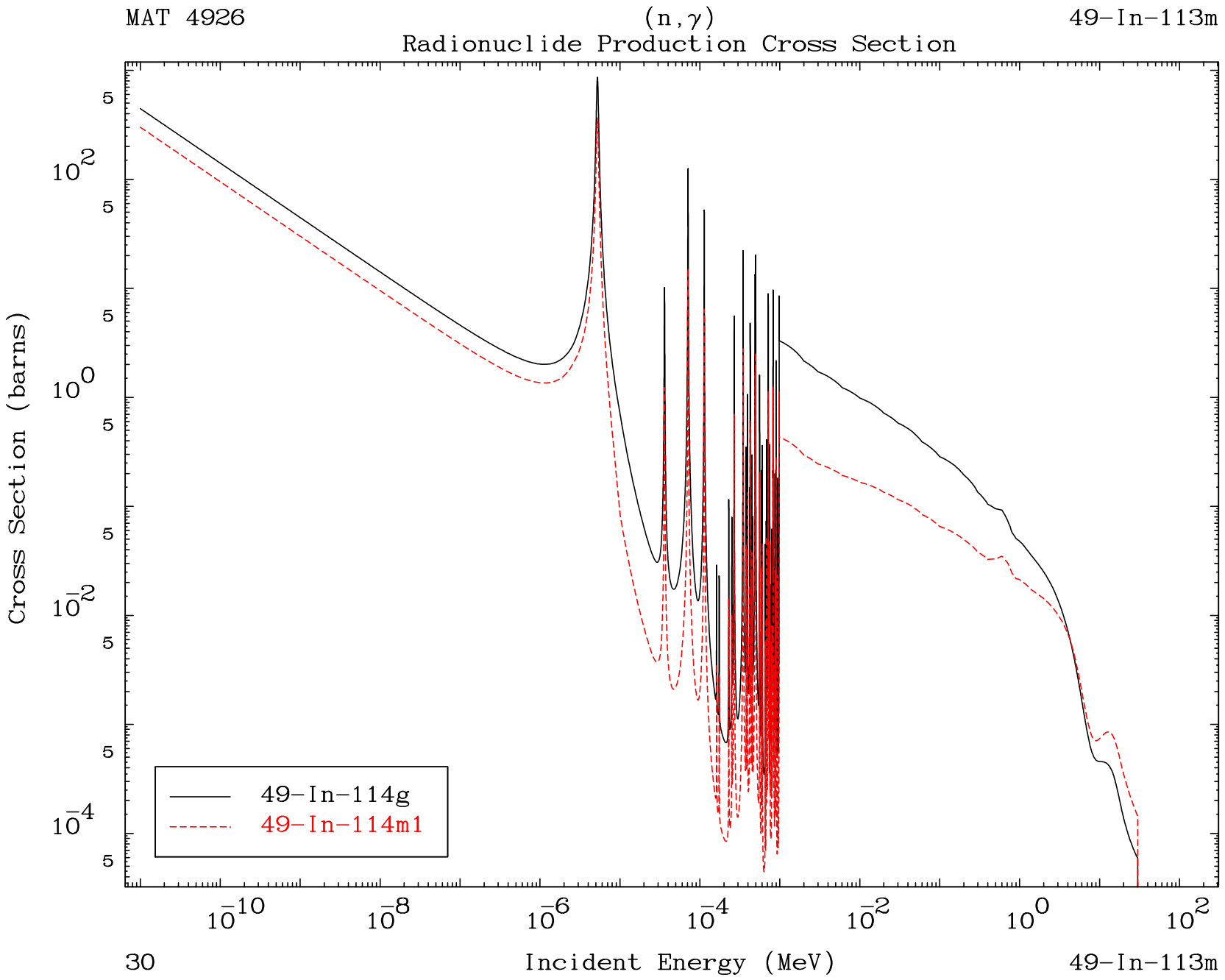

MAT 4926
(n,n') d
49-In-113m
Radionuclide Production Cross Section
48-Cd-111g
48-Cd-111m3
Cross Section (barns)
Incident Energy (MeV)
25
49-In-113m

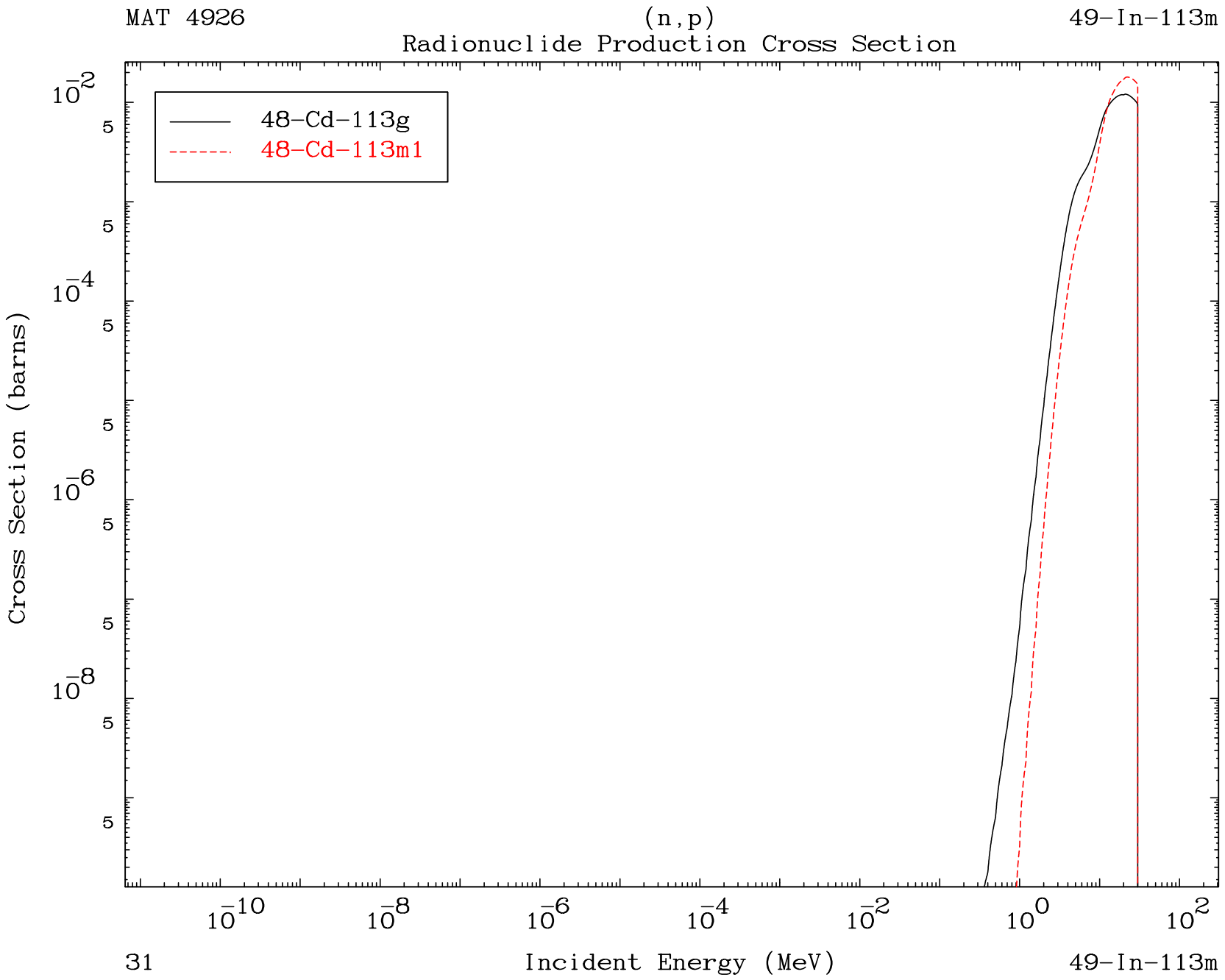

MAT 4926
(n,n') He-3
49-In-113m
Radionuclide Production Cross Section
47-Ag-110g
47-Ag-110m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
6
7
8
9
10^2
Incident Energy (MeV)
26
49-In-113m

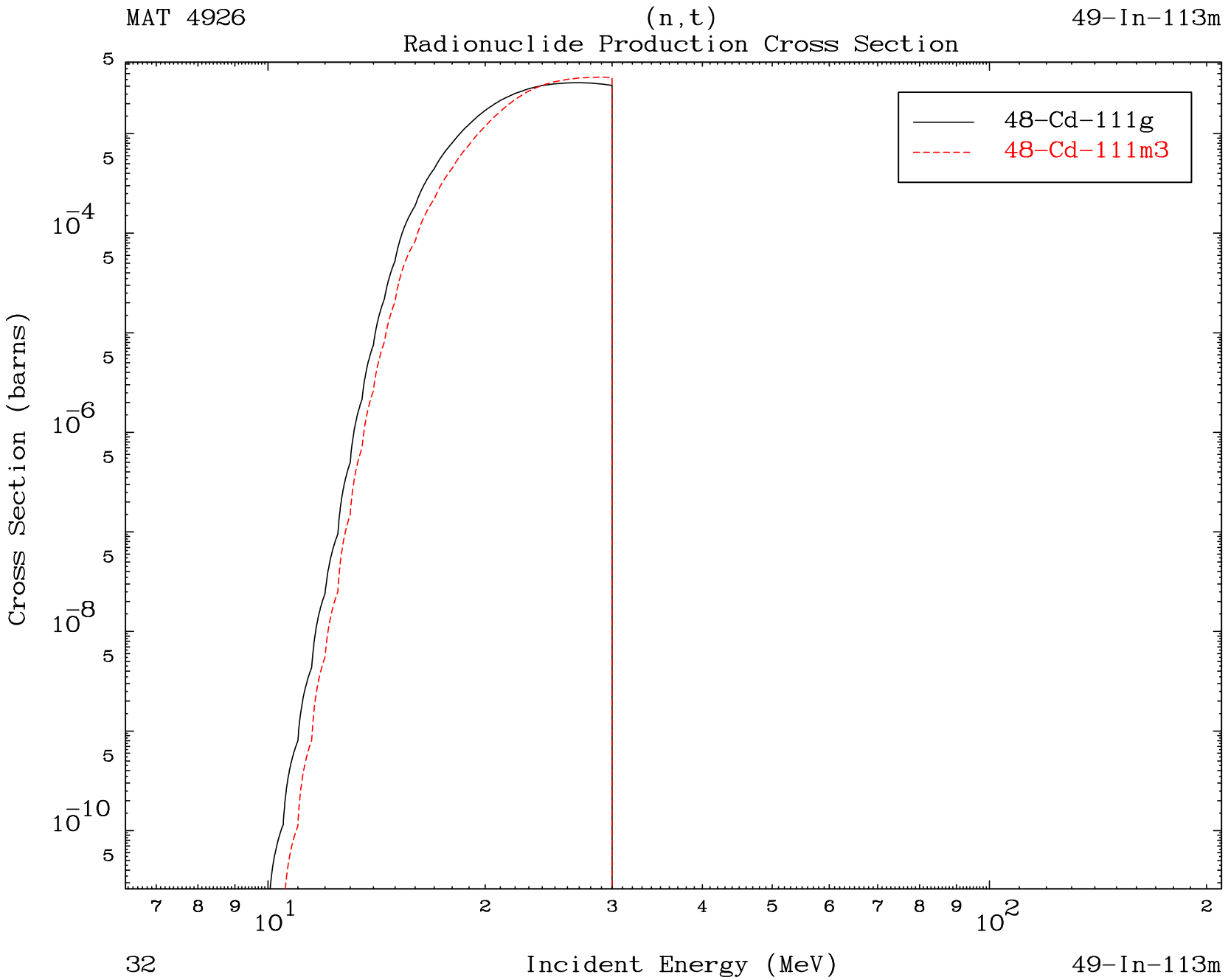

MAT 4926
(n,4n)
49-In-113m
Radionuclide Production Cross Section
49-In-110g
49-In-110m1
Cross Section (barns)
10-2
10-3
10-4
10-5
10-6
10-7
3
4
5
6
7
8
9
10 2
2
27
Incident Energy (MeV)
49-In-113m

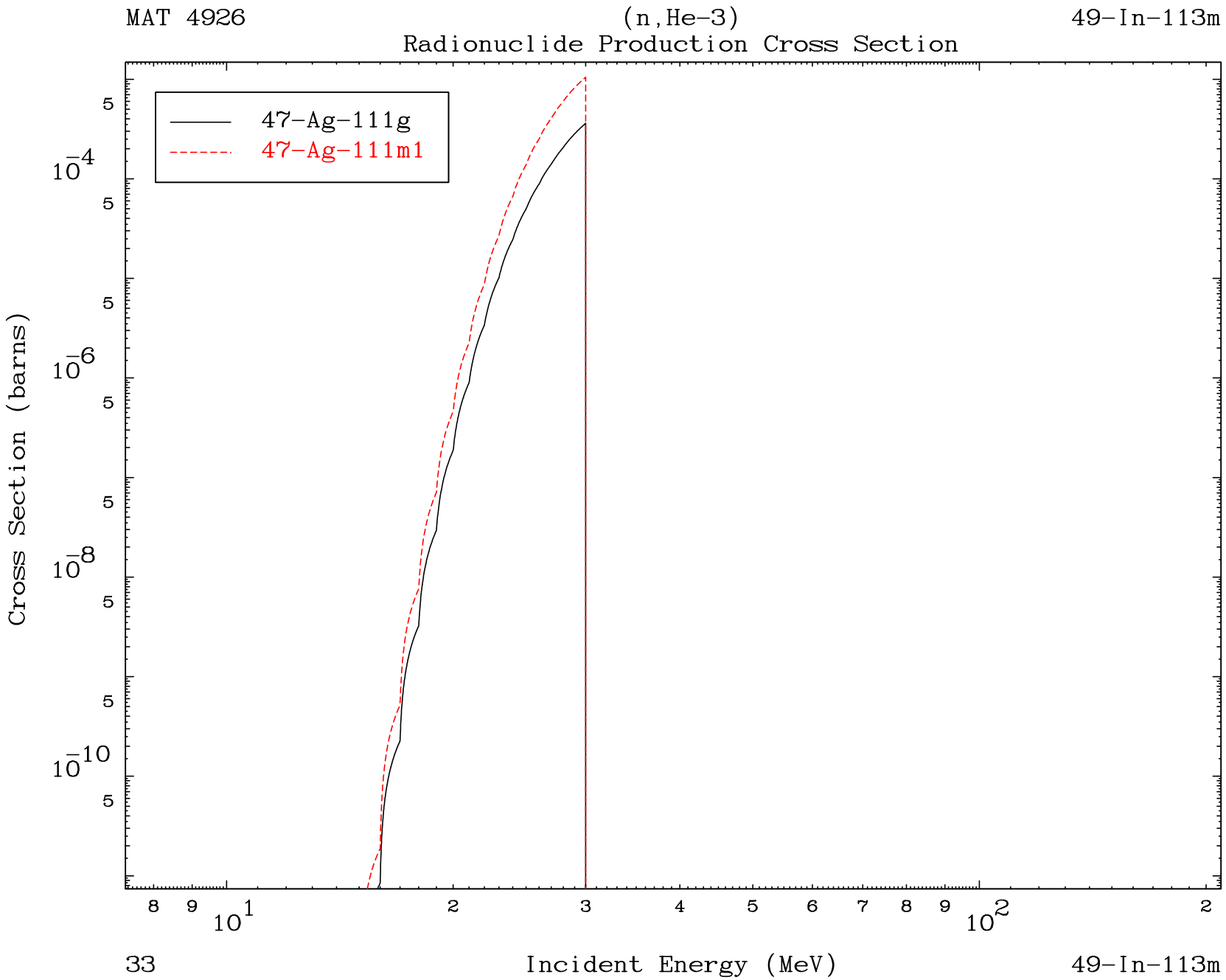

MAT 4926
(n,2n) p
49-In-113m
Radionuclide Production Cross Section
48-Cd-111g
48-Cd-111m3
Cross Section (barns)
Incident Energy (MeV)
28
49-In-113m

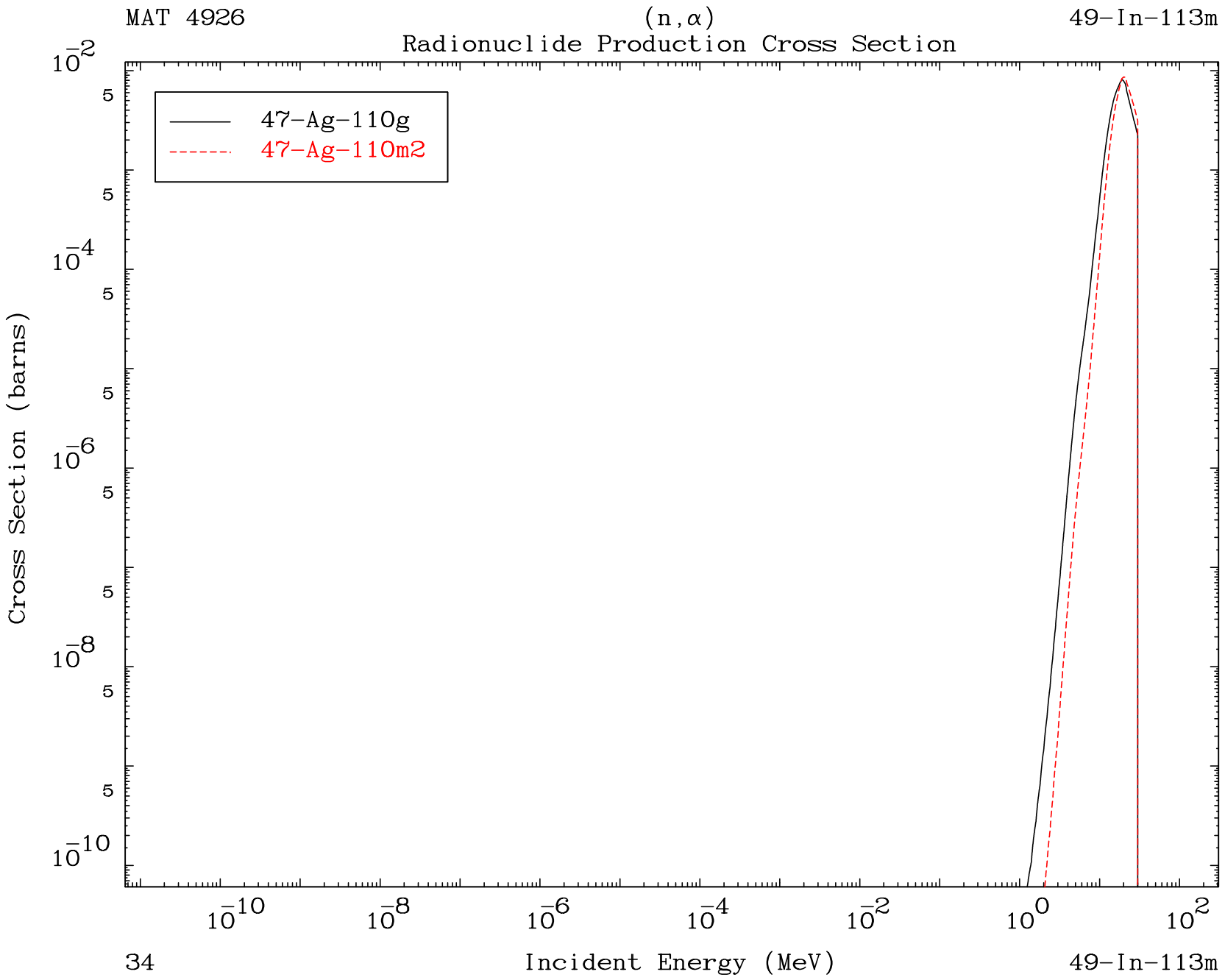

MAT 4926
(n,2n) p
49-In-113m
Radionuclide Production Cross Section
47-Ag-111g
47-Ag-111m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
2
3
4
5
6
7
8
9
10^2
2
29
Incident Energy (MeV)
49-In-113m

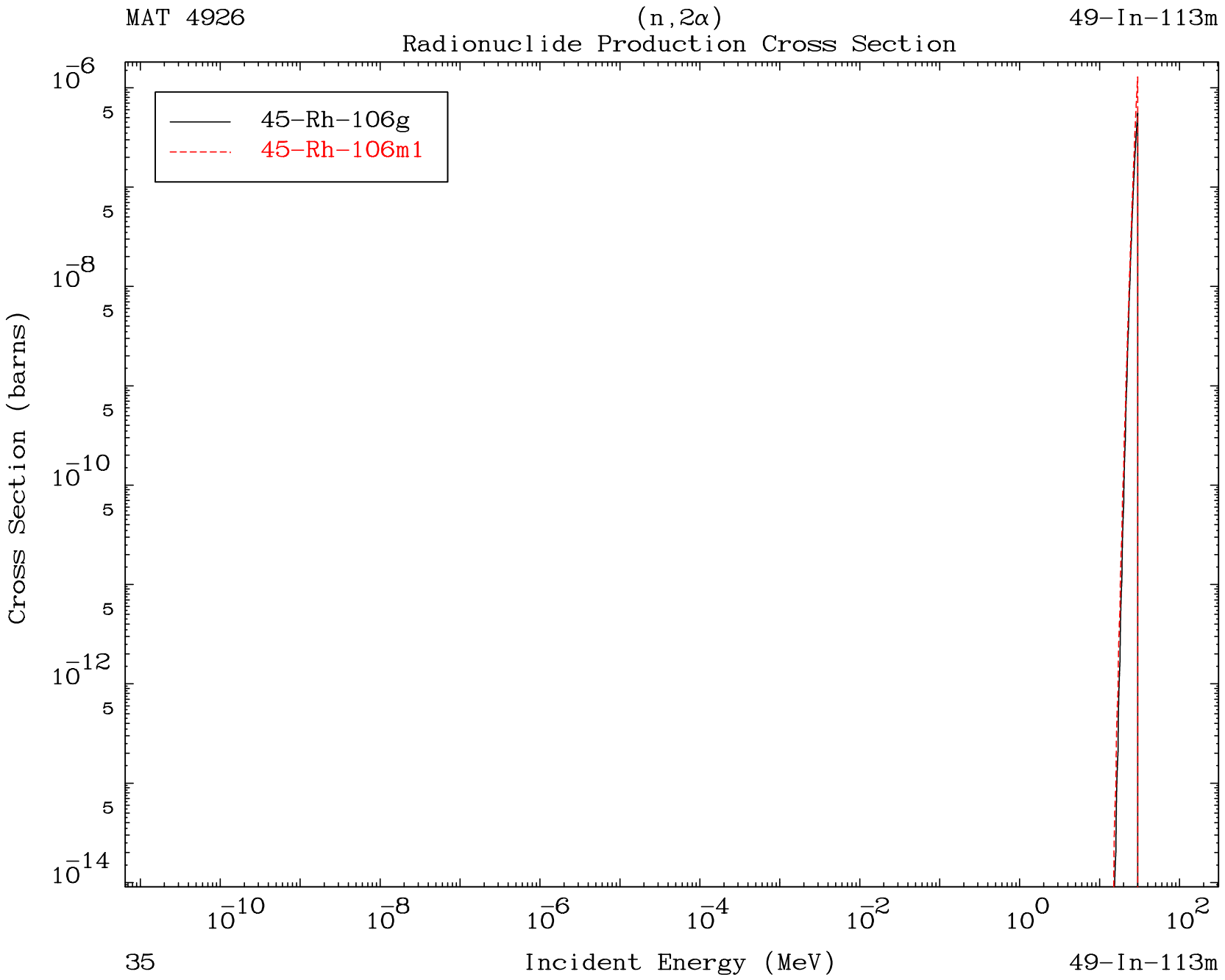

MAT 4926
(n,γ)
49-In-113m
Radionuclide Production Cross Section
Cross Section (barns)
10^2
10^0
10^-2
10^-4
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
49-In-114g
49-In-114m1
30
49-In-113m

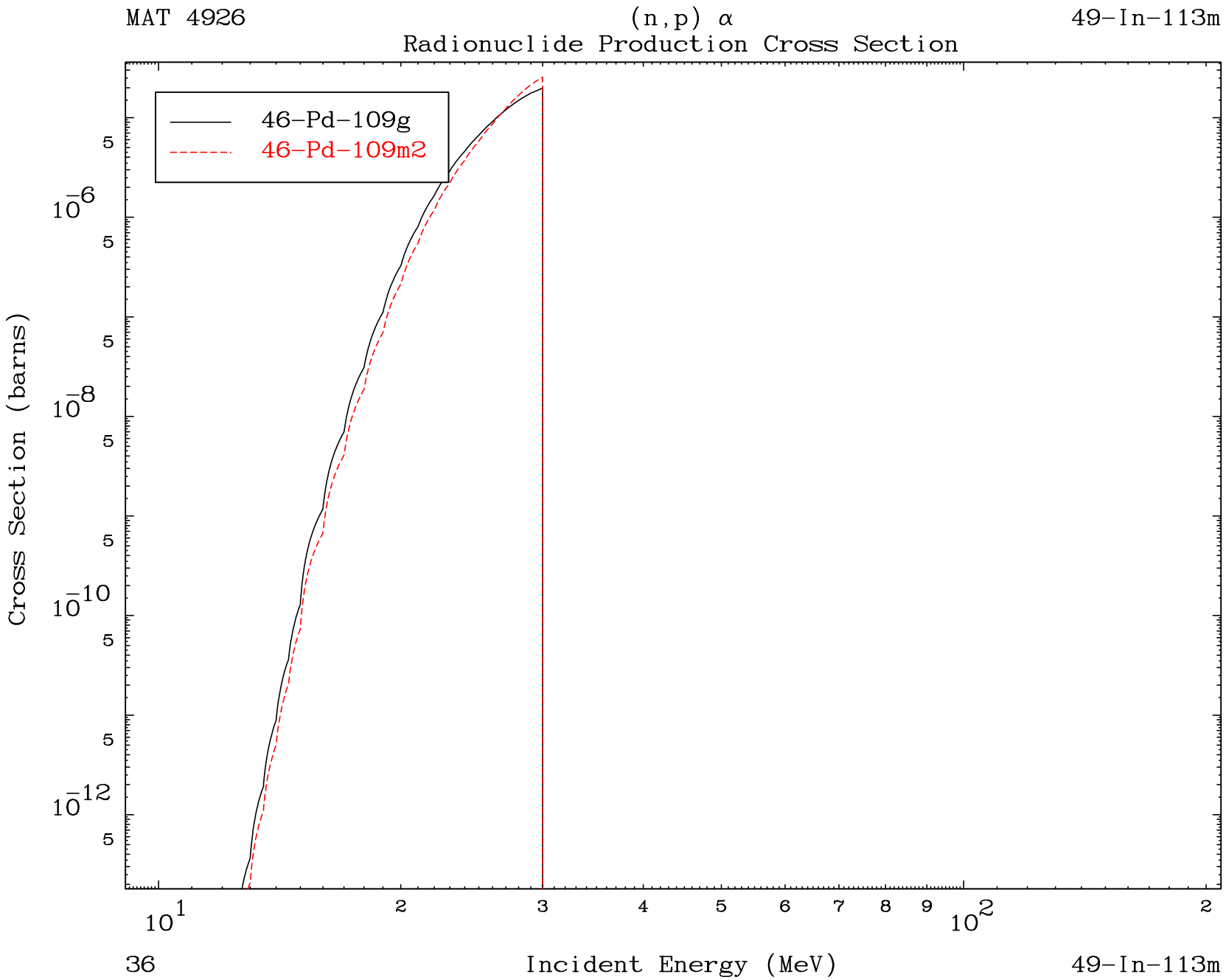

MAT 4926
(n,p)
49-In-113m
Radionuclide Production Cross Section
48-Cd-113g
48-Cd-113m1
Cross Section (barns)
Incident Energy (MeV)
31
49-In-113m

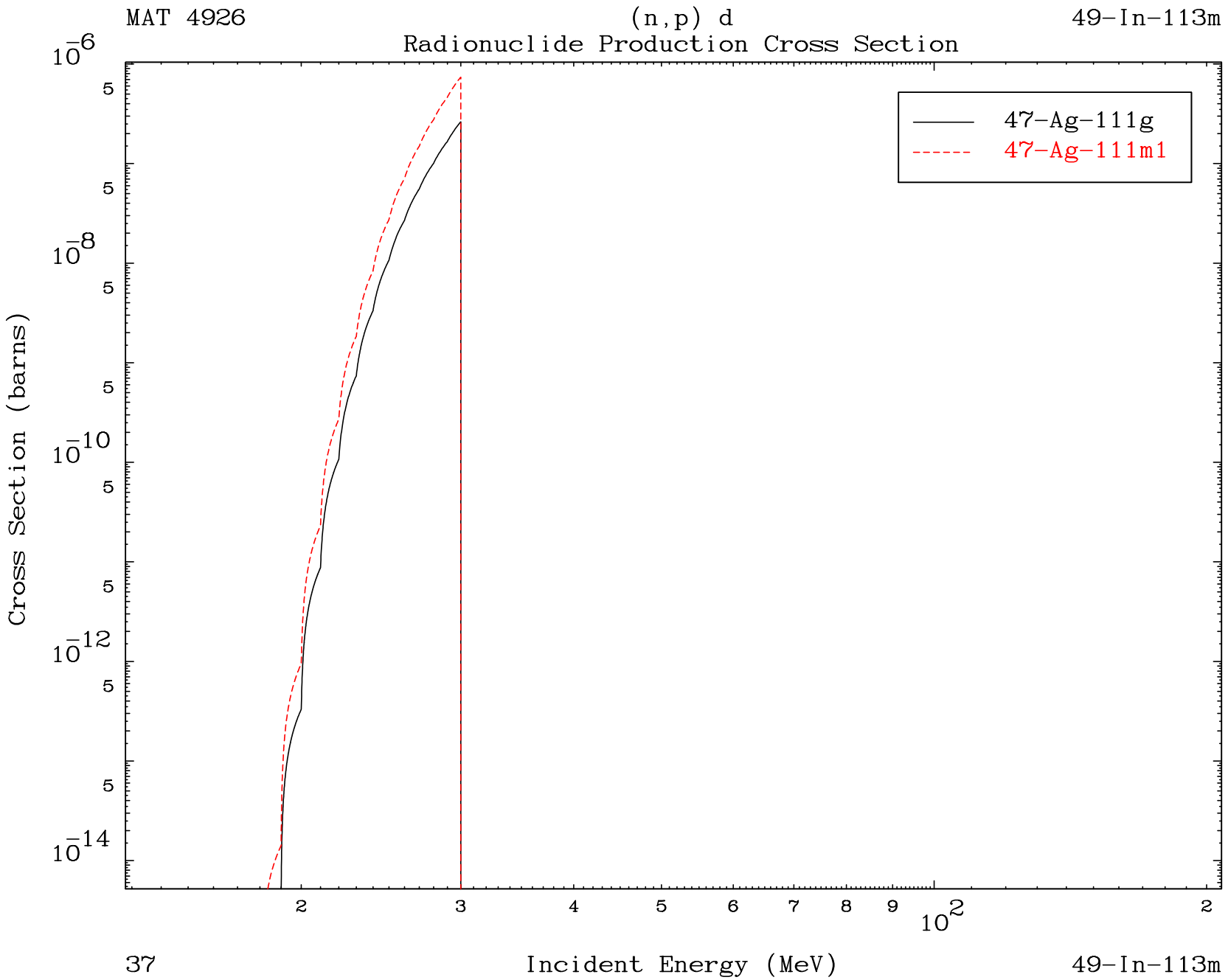

MAT 4926
(n,t)
49-In-113m
Radionuclide Production Cross Section
48-Cd-111g
48-Cd-111m3
Cross Section (barns)
Incident Energy (MeV)
32
49-In-113m

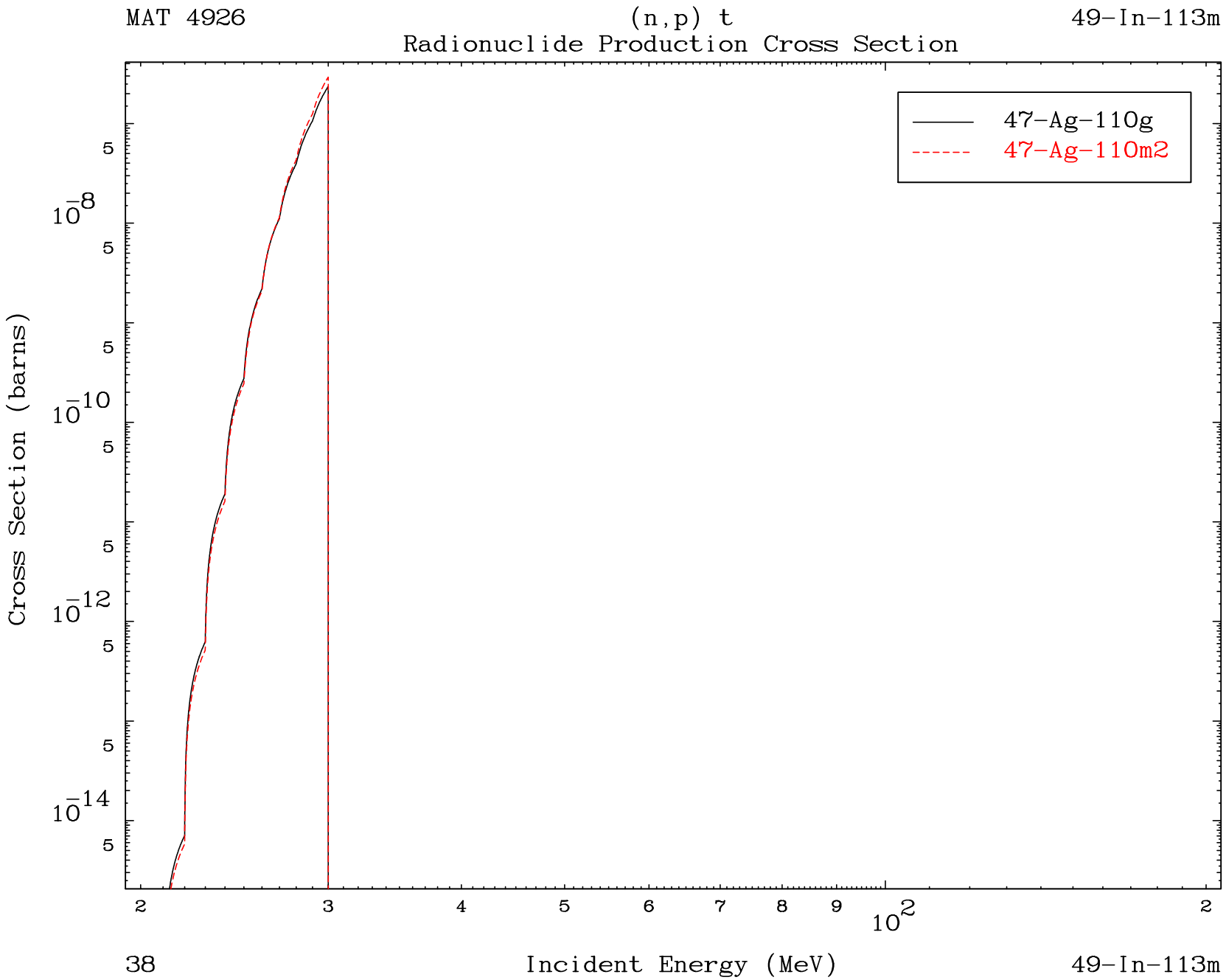

MAT 4926
(n,He-3)
49-In-113m
Radionuclide Production Cross Section
47-Ag-111g
47-Ag-111m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
33
Incident Energy (MeV)
49-In-113m


MAT 4926
(n,α)
49-In-113m
Radionuclide Production Cross Section
47-Ag-110g
47-Ag-110m2
Cross Section (barns)
Incident Energy (MeV)
34
49-In-113m


MAT 4926
(n,2α)
49-In-113m
Radionuclide Production Cross Section
45-Rh-106g
45-Rh-106m1
Cross Section (barns)
Incident Energy (MeV)
35
49-In-113m


MAT 4926
(n,p) α
49-In-113m
Radionuclide Production Cross Section
46-Pd-109g
46-Pd-109m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
10^1
2
3
4
5
6
7
8
9
10^2
2
36
Incident Energy (MeV)
49-In-113m


MAT 4926
(n,p) d
49-In-113m
Radionuclide Production Cross Section
47-Ag-111g
47-Ag-111m1
Cross Section (barns)
Incident Energy (MeV)
37
49-In-113m


MAT 4926
(n,p) t
49-In-113m
Radionuclide Production Cross Section
47-Ag-110g
47-Ag-110m2
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
38
Incident Energy (MeV)
49-In-113m