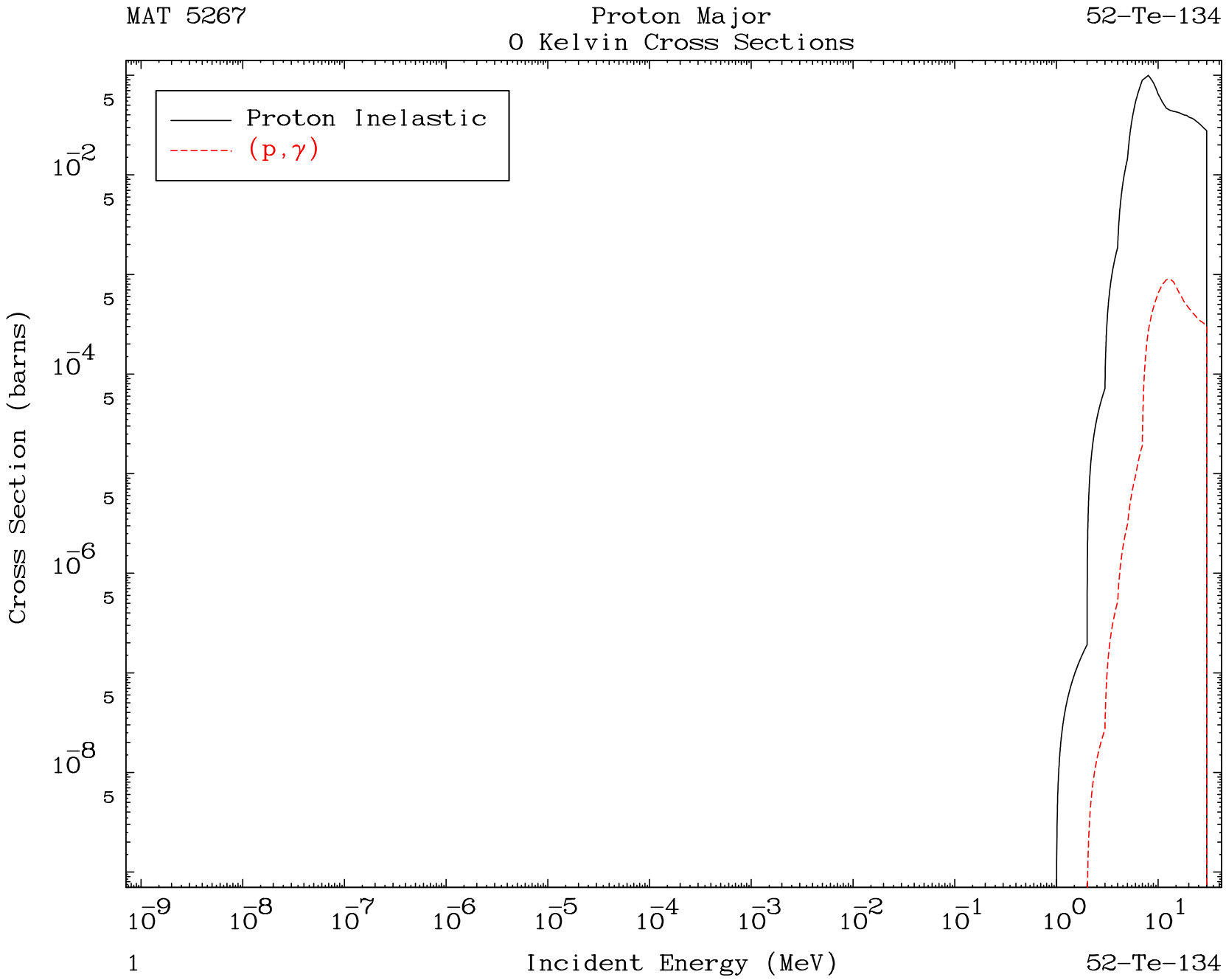
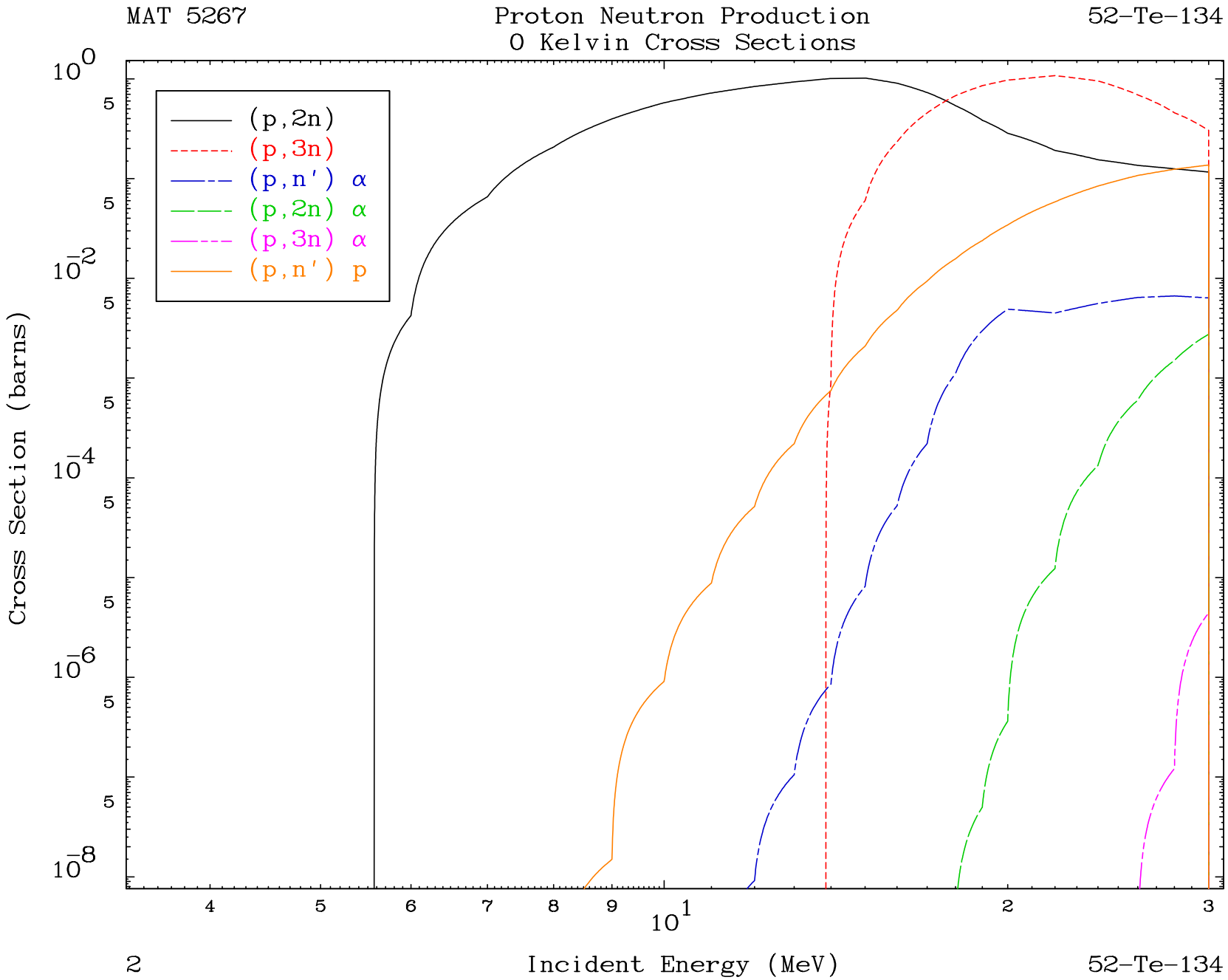
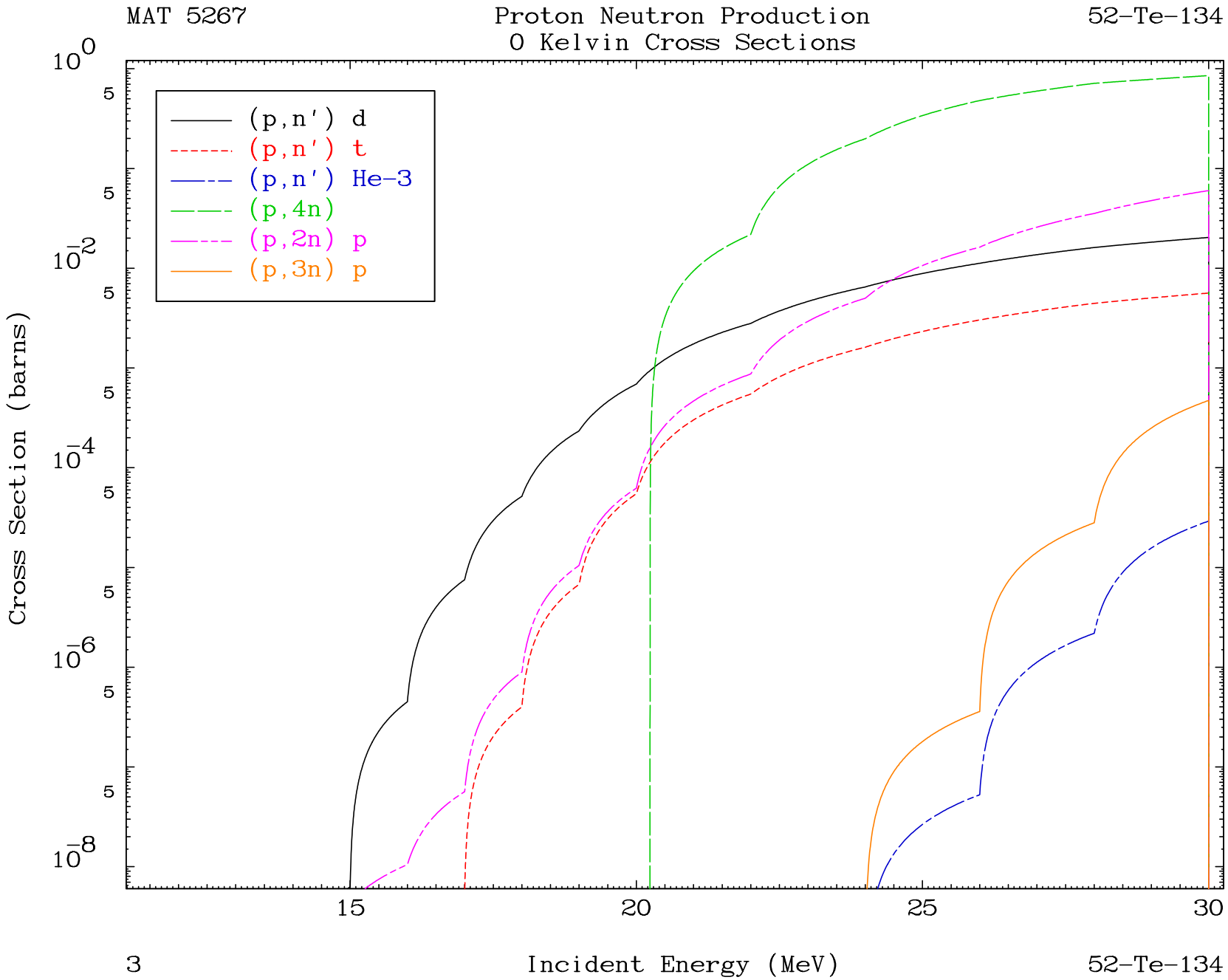
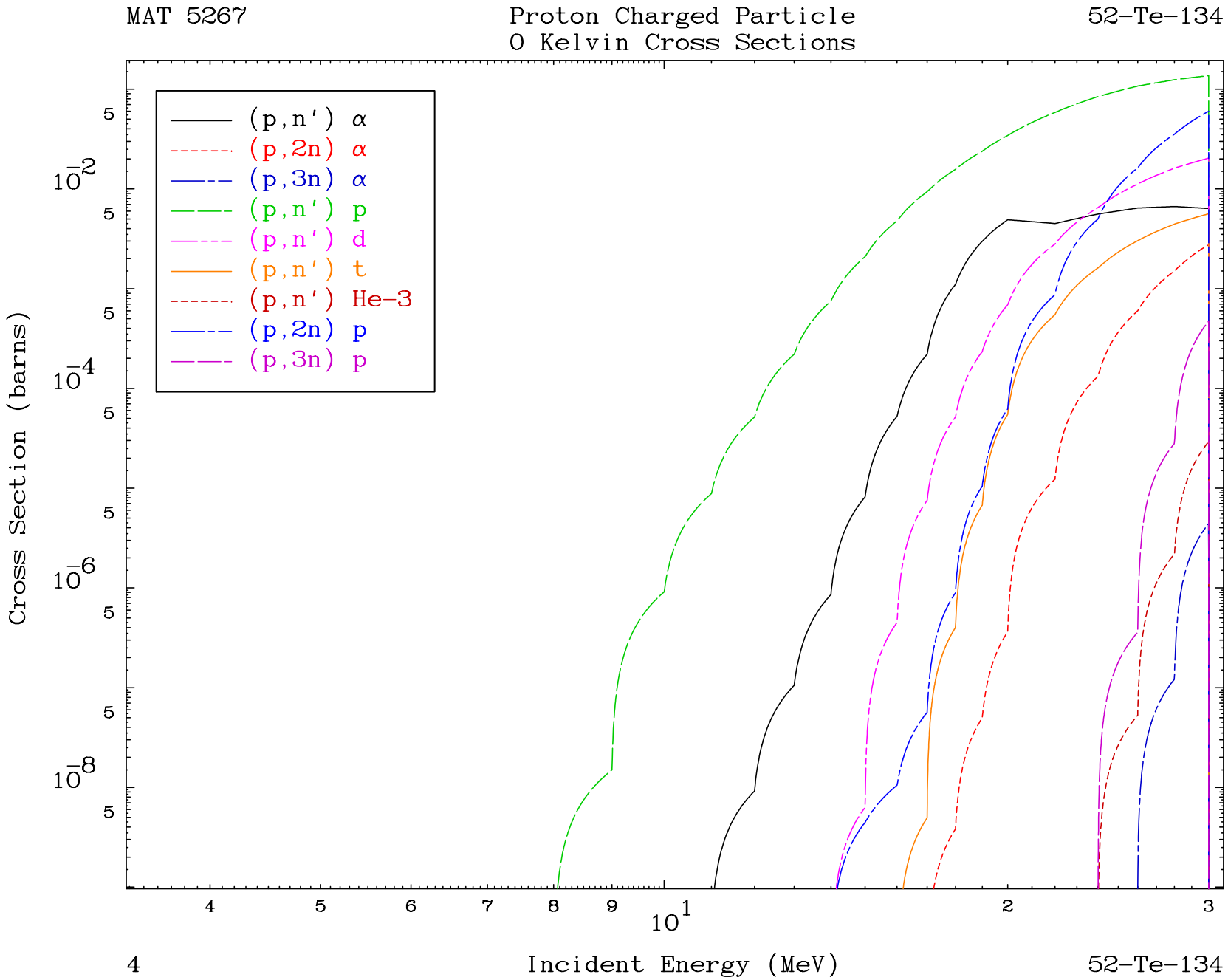
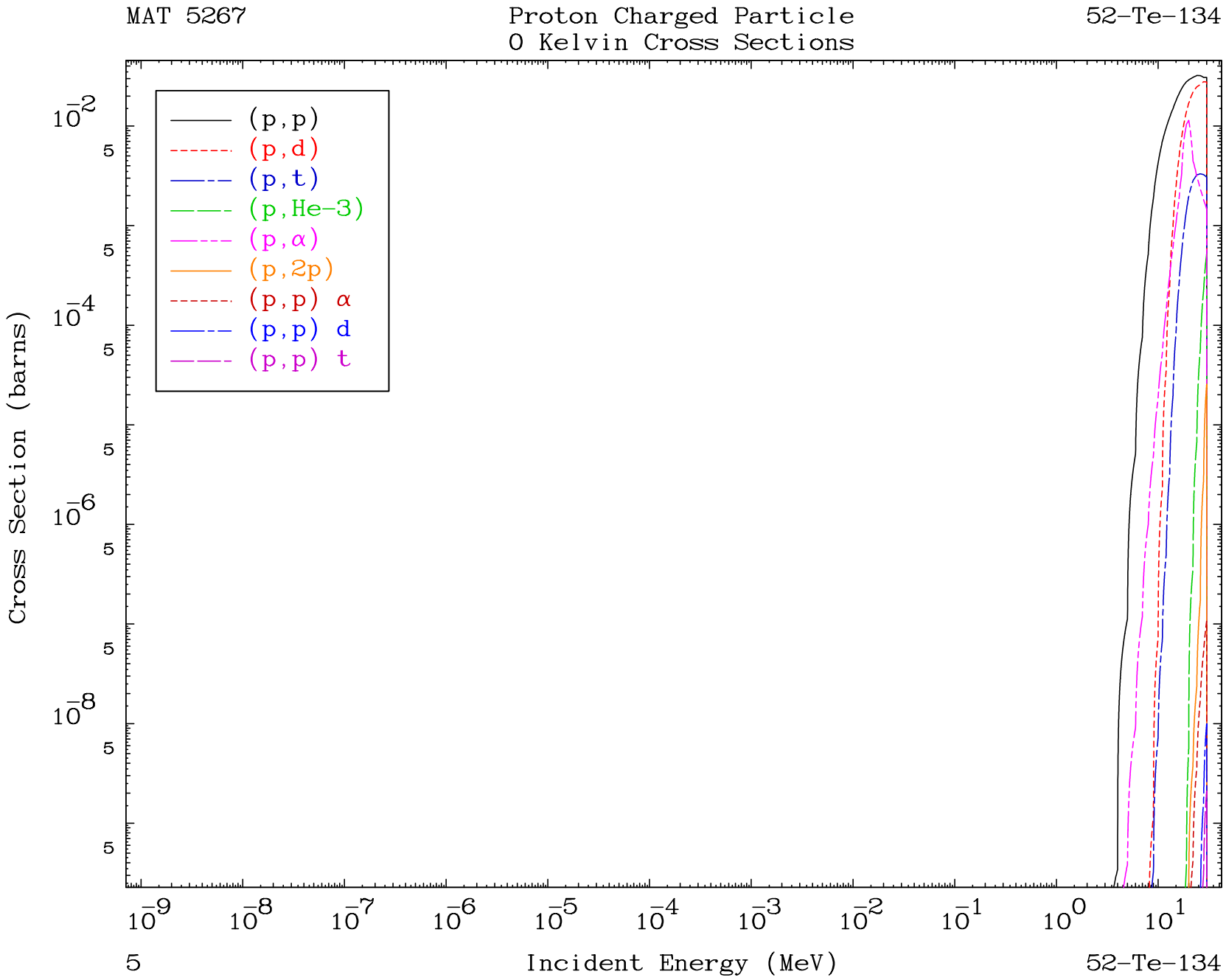
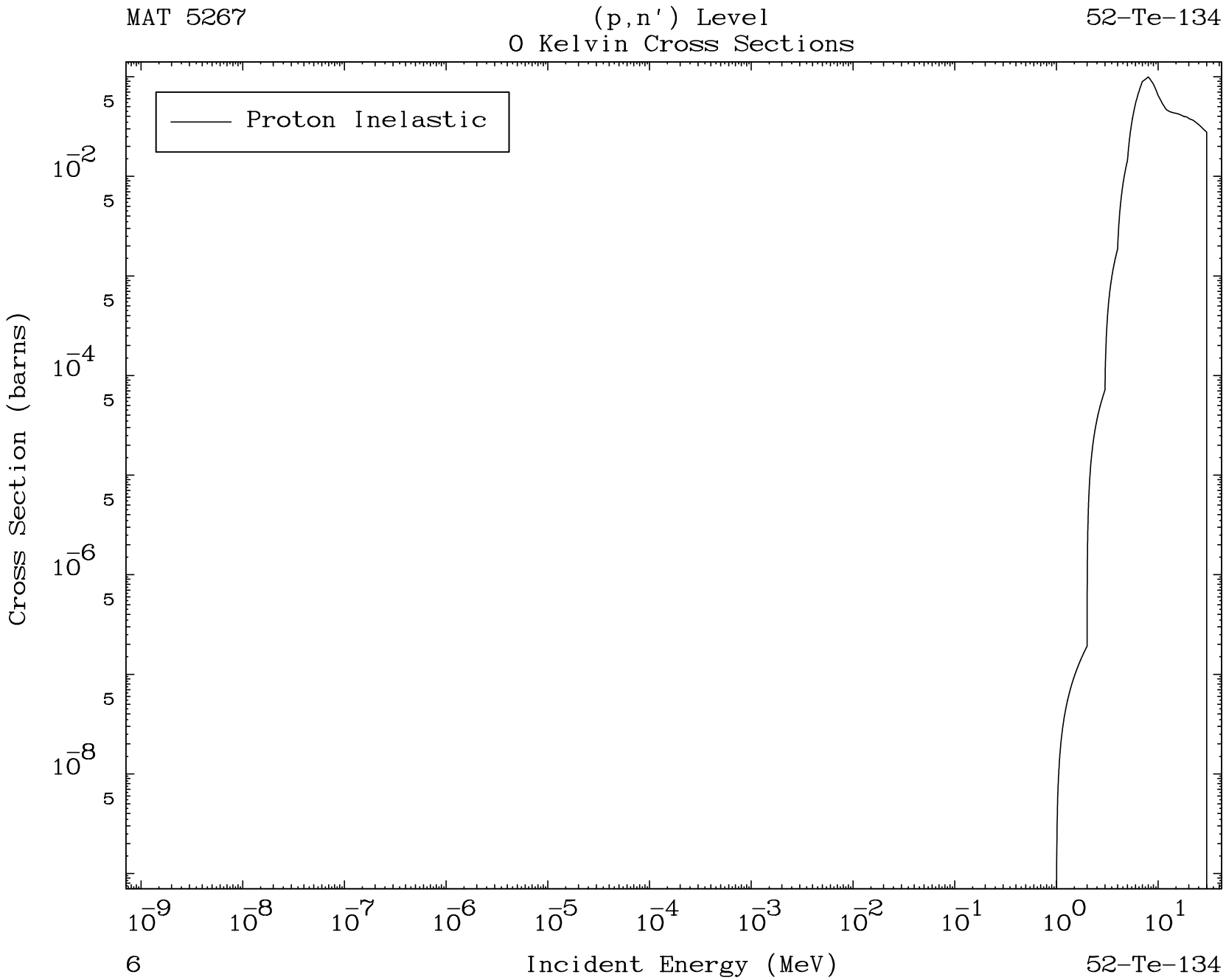

MAT 5267
Proton Major
52-Te-134
0 Kelvin Cross Sections
Proton Inelastic
(p,γ)
Cross Section (barns)
Incident Energy (MeV)
52-Te-134
1

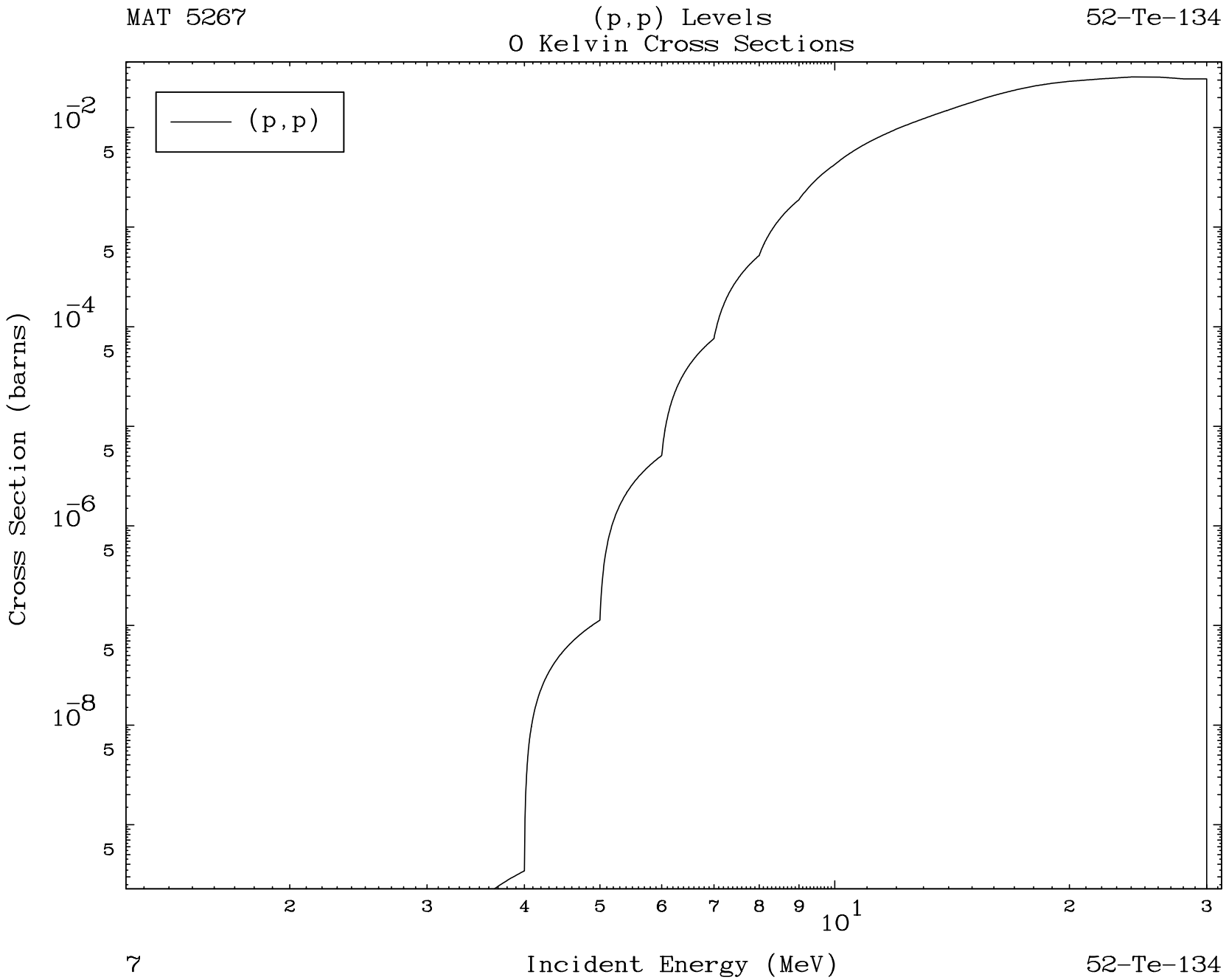

MAT 5267
Proton Neutron Production
0 Kelvin Cross Sections
52-Te-134
(p,2n)
(p,3n)
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p
Cross Section (barns)
Incident Energy (MeV)
52-Te-134

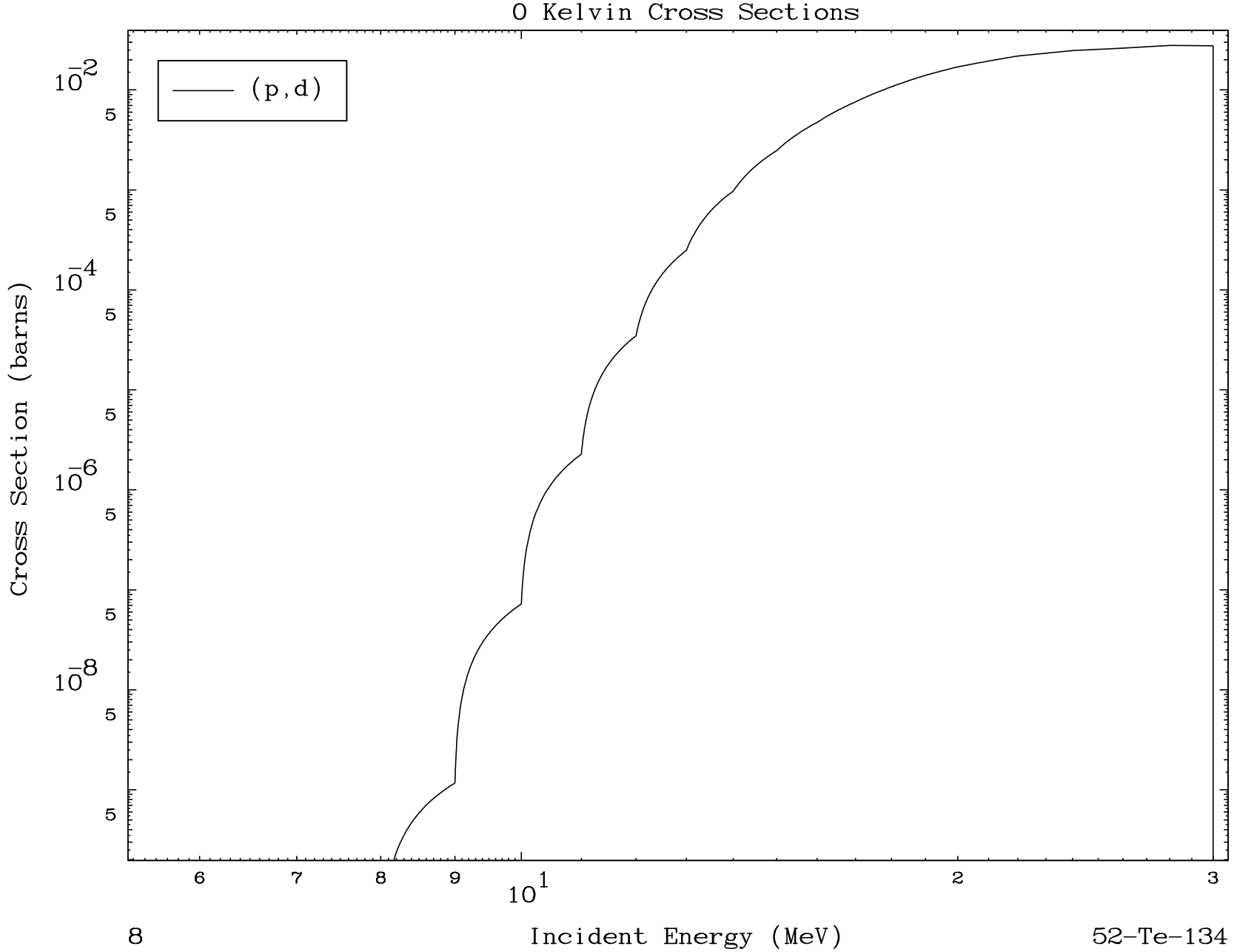

MAT 5267
Proton Neutron Production
0 Kelvin Cross Sections
52-Te-134
(p,n') d
(p,n') t
(p,n') He-3
(p,4n)
(p,2n) p
(p,3n) p
Cross Section (barns)
Incident Energy (MeV)
3
52-Te-134

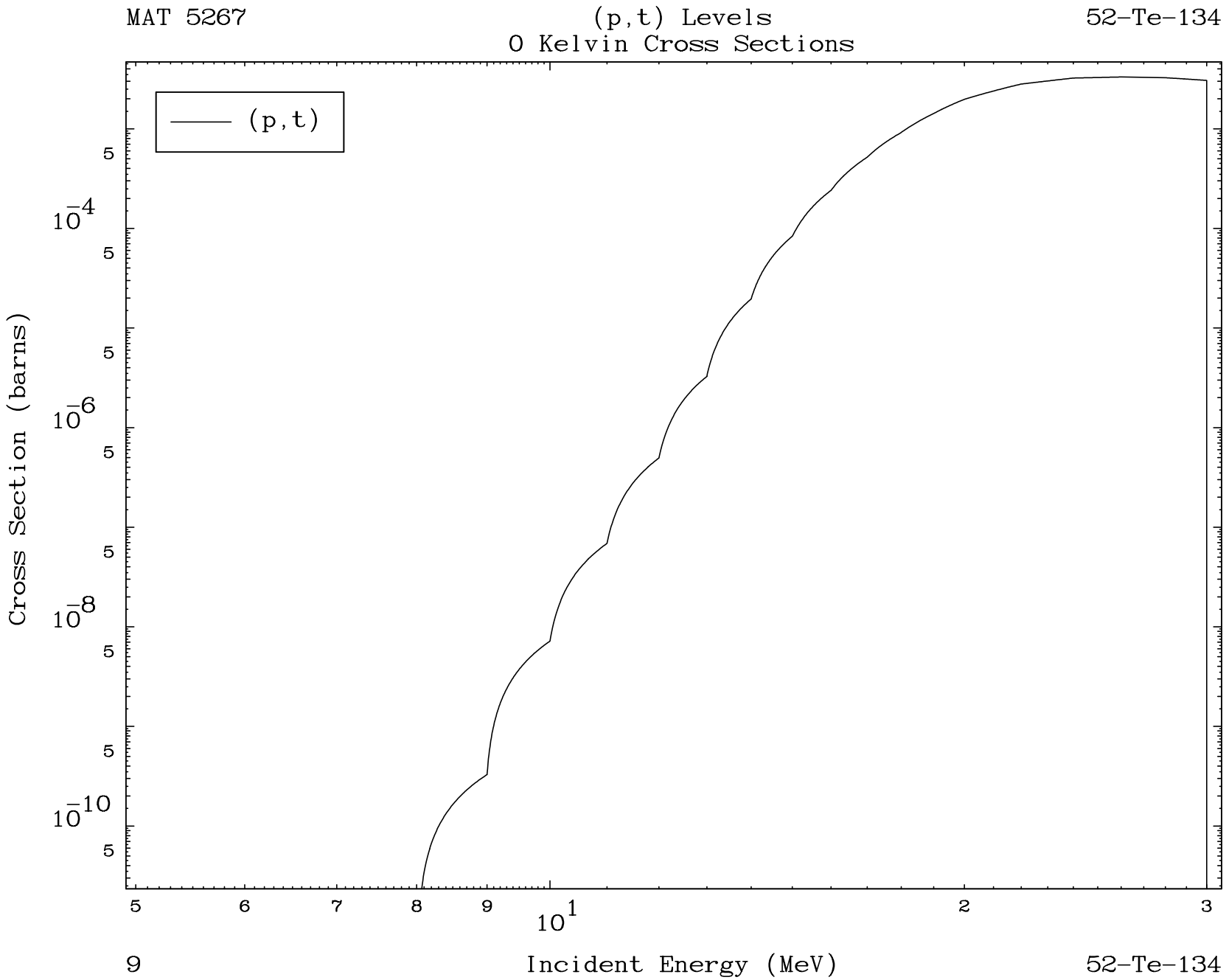

MAT 5267
Proton Charged Particle
0 Kelvin Cross Sections
52-Te-134
(p,n') α
(p,2n) α
(p,3n) α
(p,n') p
(p,n') d
(p,n') t
(p,n') He-3
(p,2n) p
(p,3n) p
Cross Section (barns)
10-2
10-4
10-6
10-8
4
5
6
7
8
9
10 1
2
3
Incident Energy (MeV)
4
52-Te-134

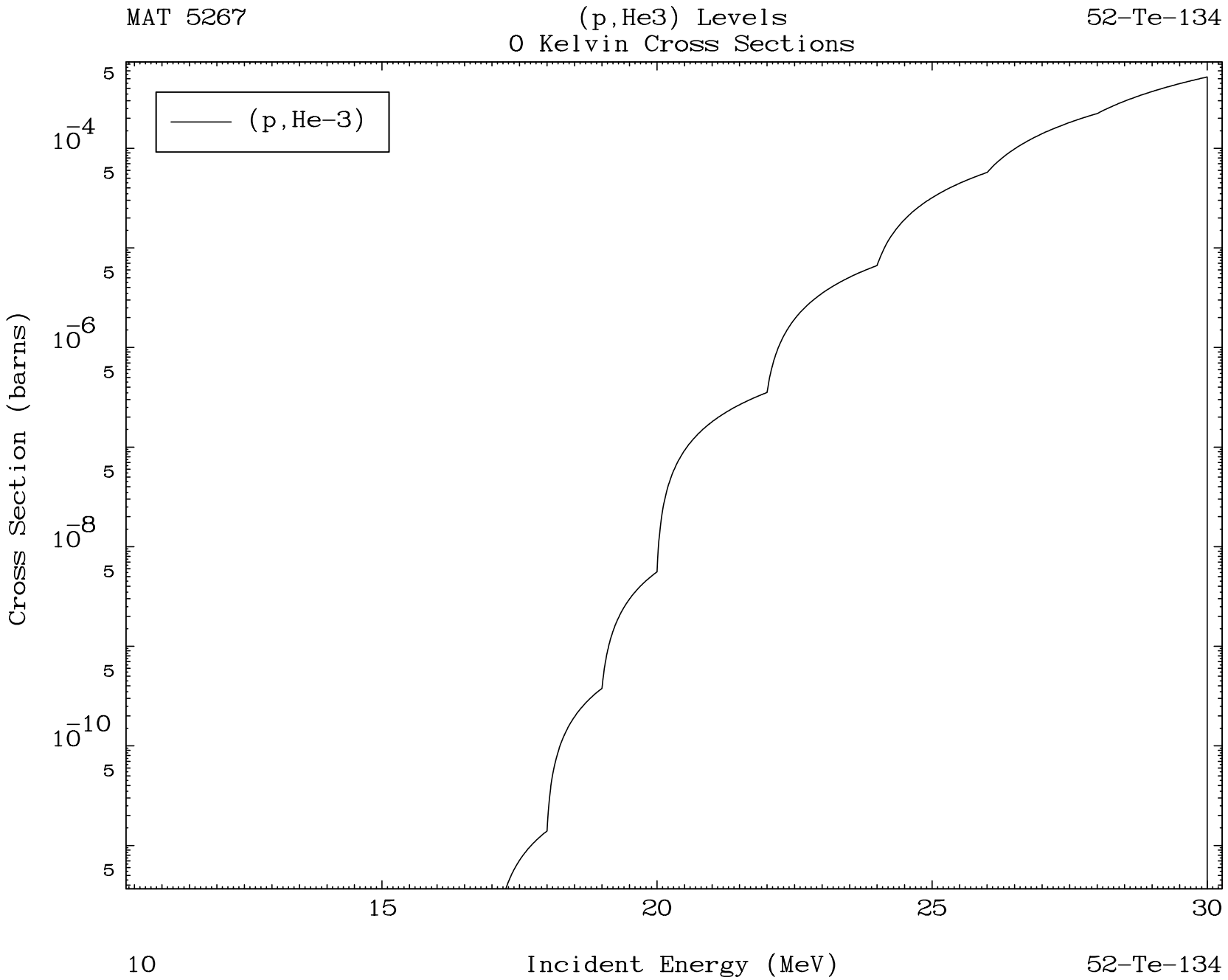

MAT 5267
Proton Charged Particle
0 Kelvin Cross Sections
52-Te-134
(p,p)
(p,d)
(p,t)
(p,He-3)
(p,α)
(p,2p)
(p,p) α
(p,p) d
(p,p) t
Cross Section (barns)
Incident Energy (MeV)
52-Te-134

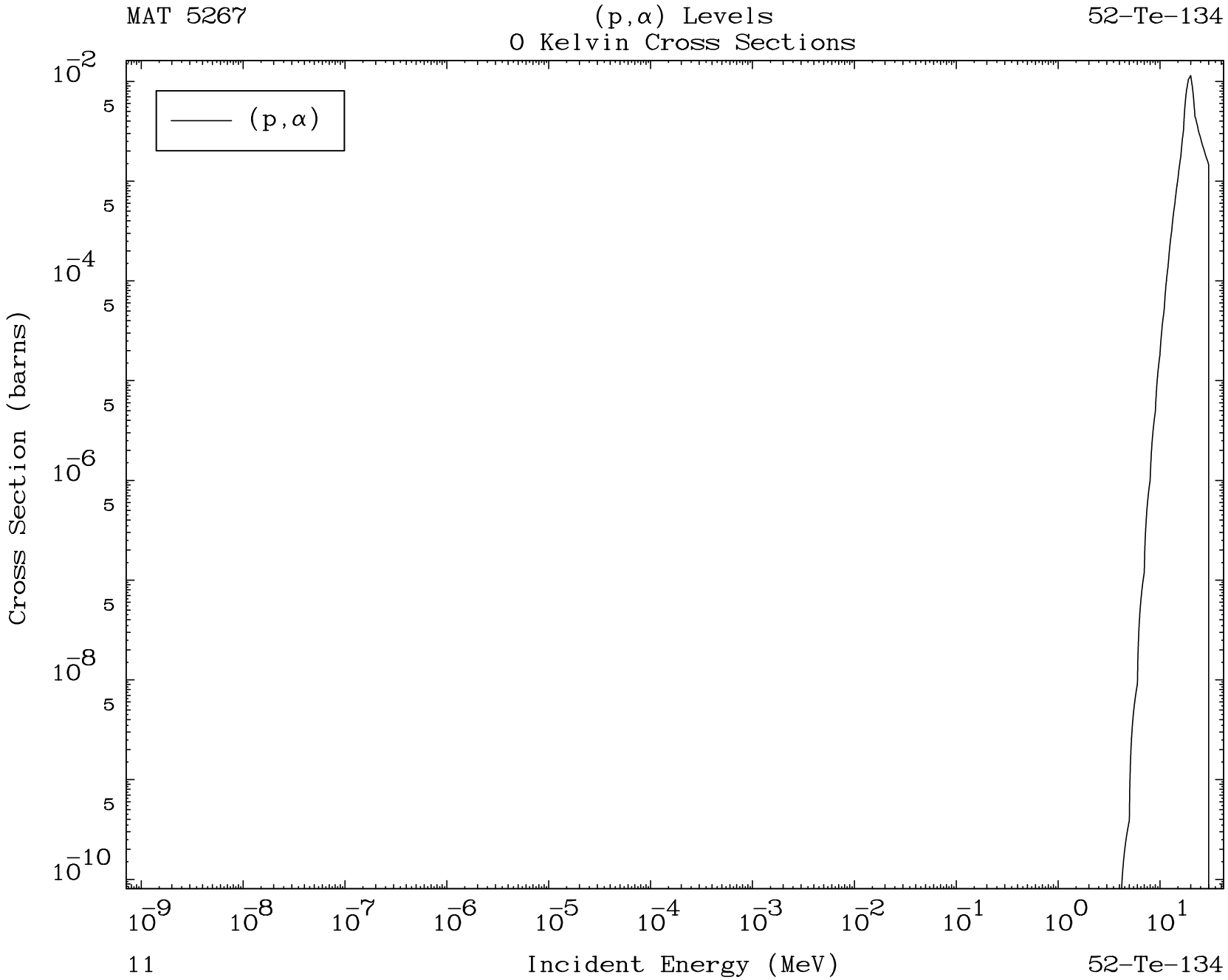

MAT 5267
(p,n') Level
52-Te-134
0 Kelvin Cross Sections
Proton Inelastic
Cross Section (barns)
10-2
10-4
10-6
10-8
10-9
10-8
10-7
10-6
10-5
10-4
10-3
10-2
10-1
100
101
Incident Energy (MeV)
6
52-Te-134

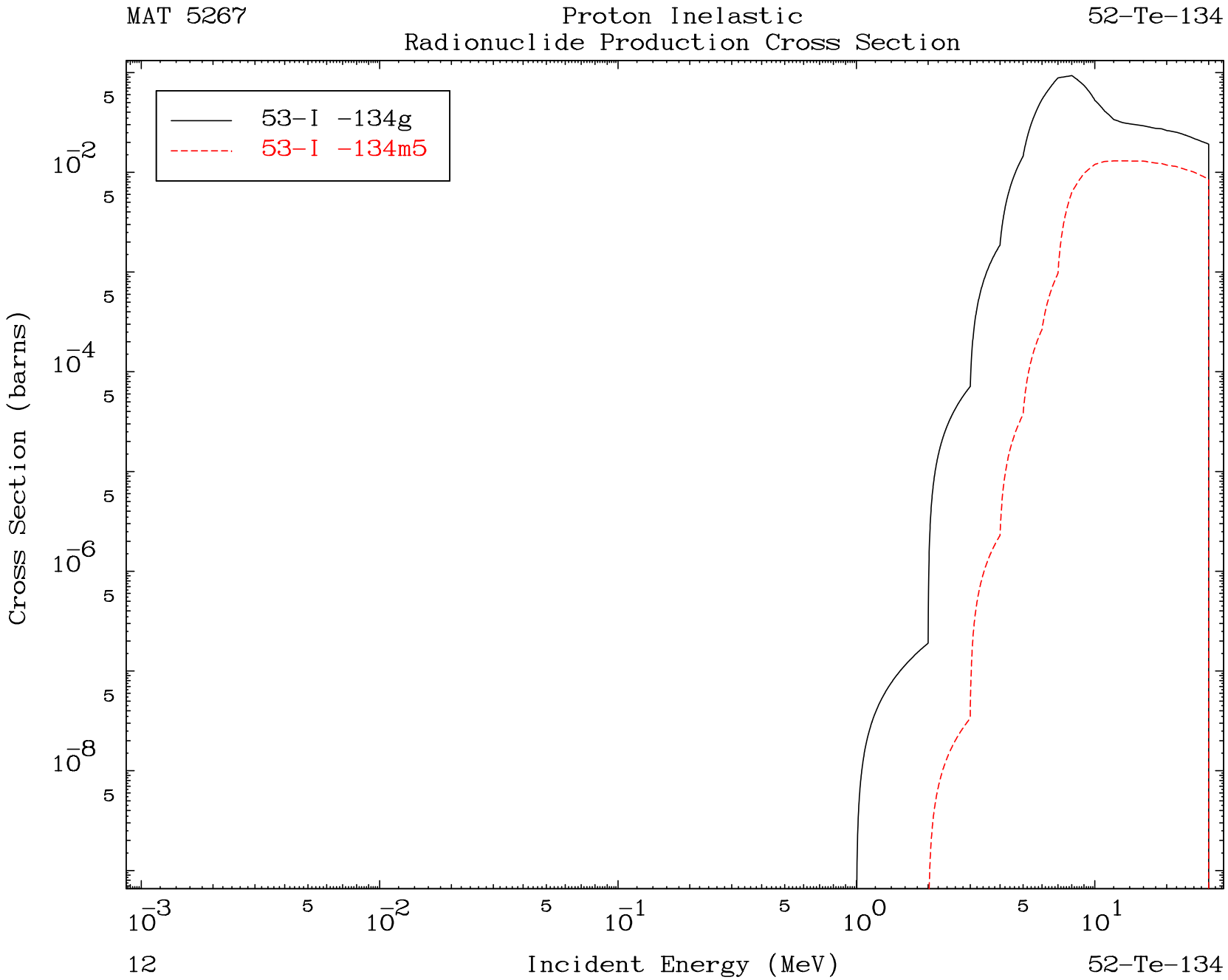

MAT 5267
(p,p) Levels
52-Te-134
0 Kelvin Cross Sections
(p,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
Incident Energy (MeV)
52-Te-134
7

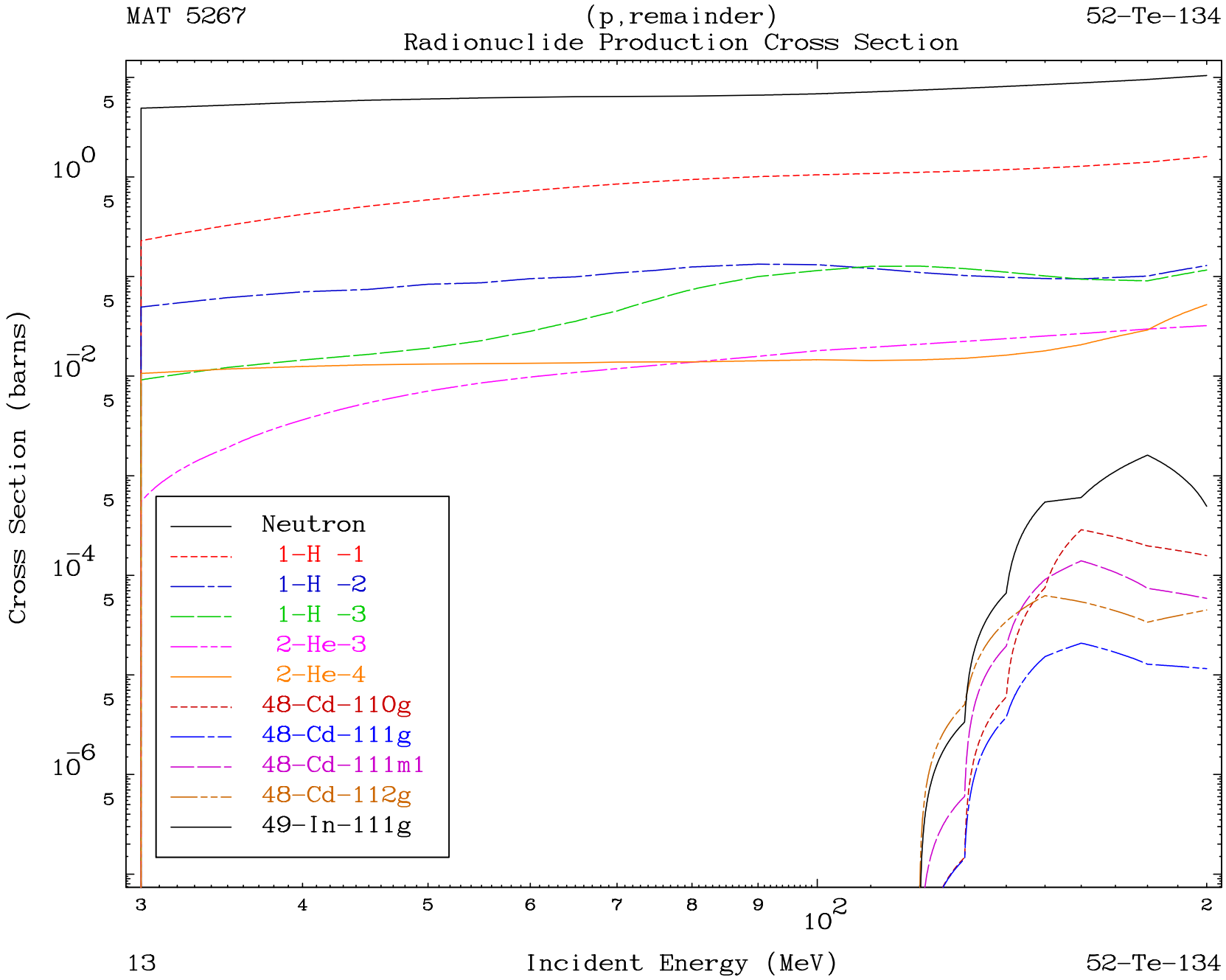

0 Kelvin Cross Sections
(p,d)
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
5
6
7
8
9
101
2
3
Incident Energy (MeV)

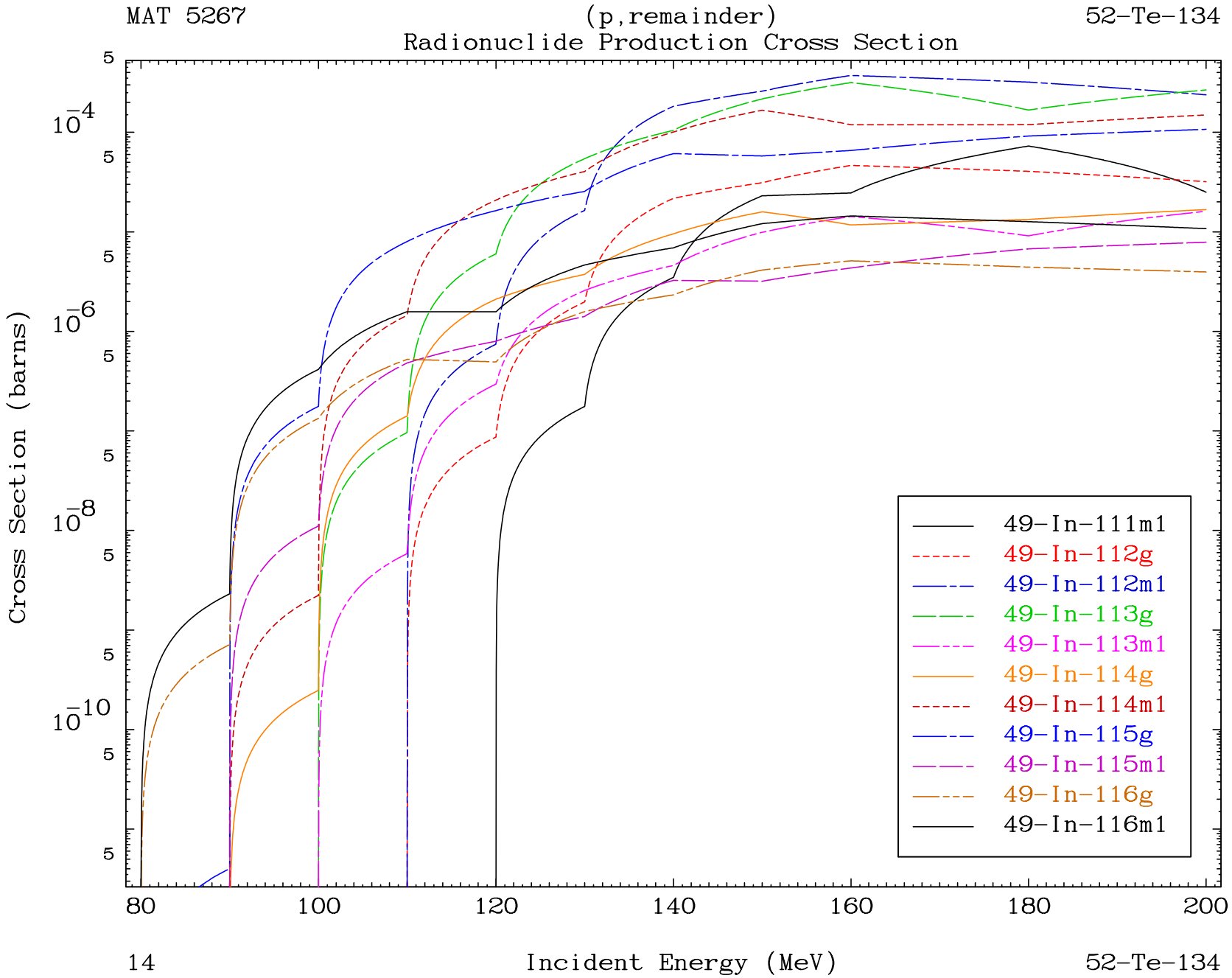

MAT 5267
(p,t) Levels
52-Te-134
0 Kelvin Cross Sections
(p,t)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
6
7
8
9
10 1
2
3
Incident Energy (MeV)
9
52-Te-134

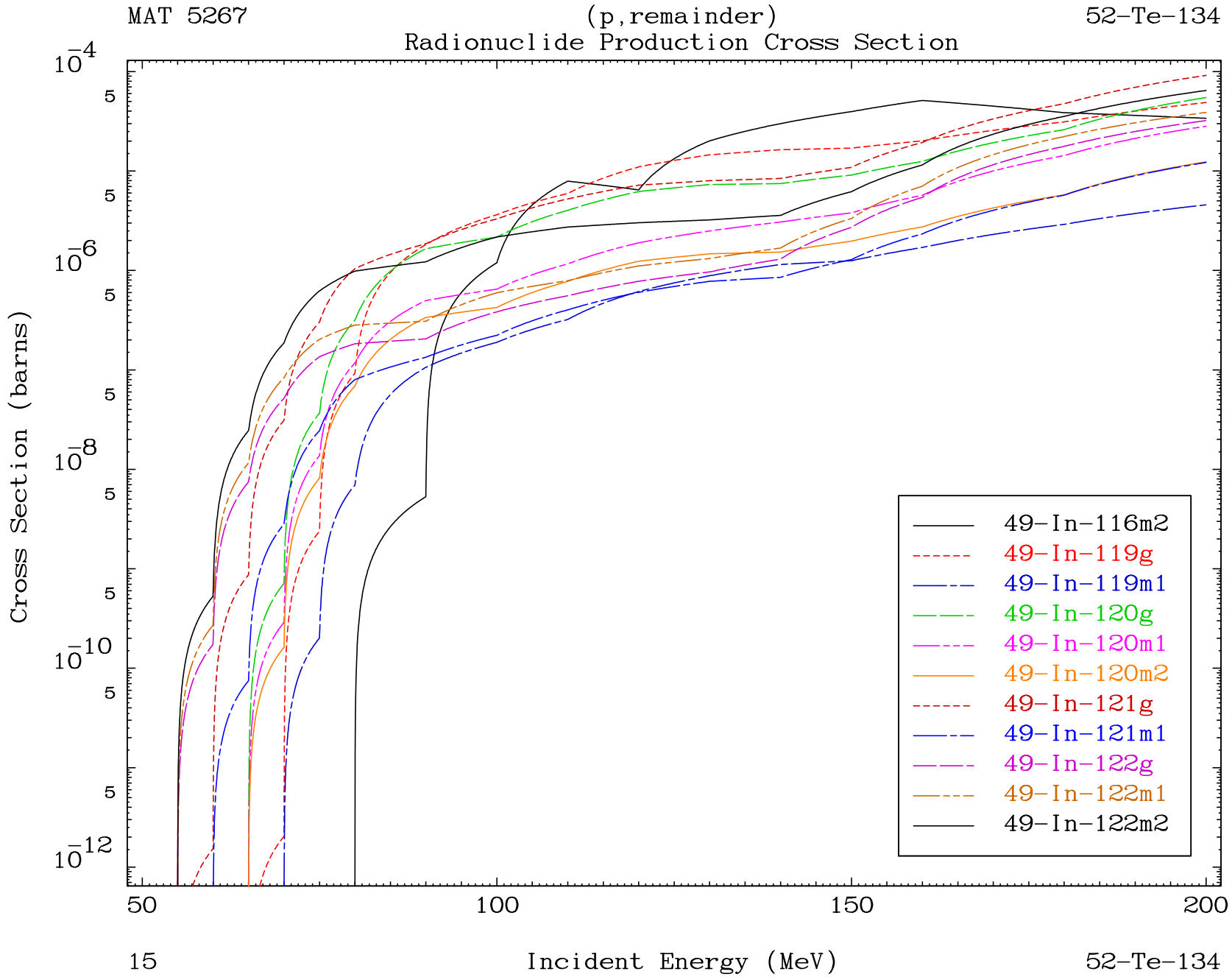

MAT 5267
(p,He3) Levels
52-Te-134
0 Kelvin Cross Sections
(p,He-3)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
15
20
25
30
10
Incident Energy (MeV)
52-Te-134

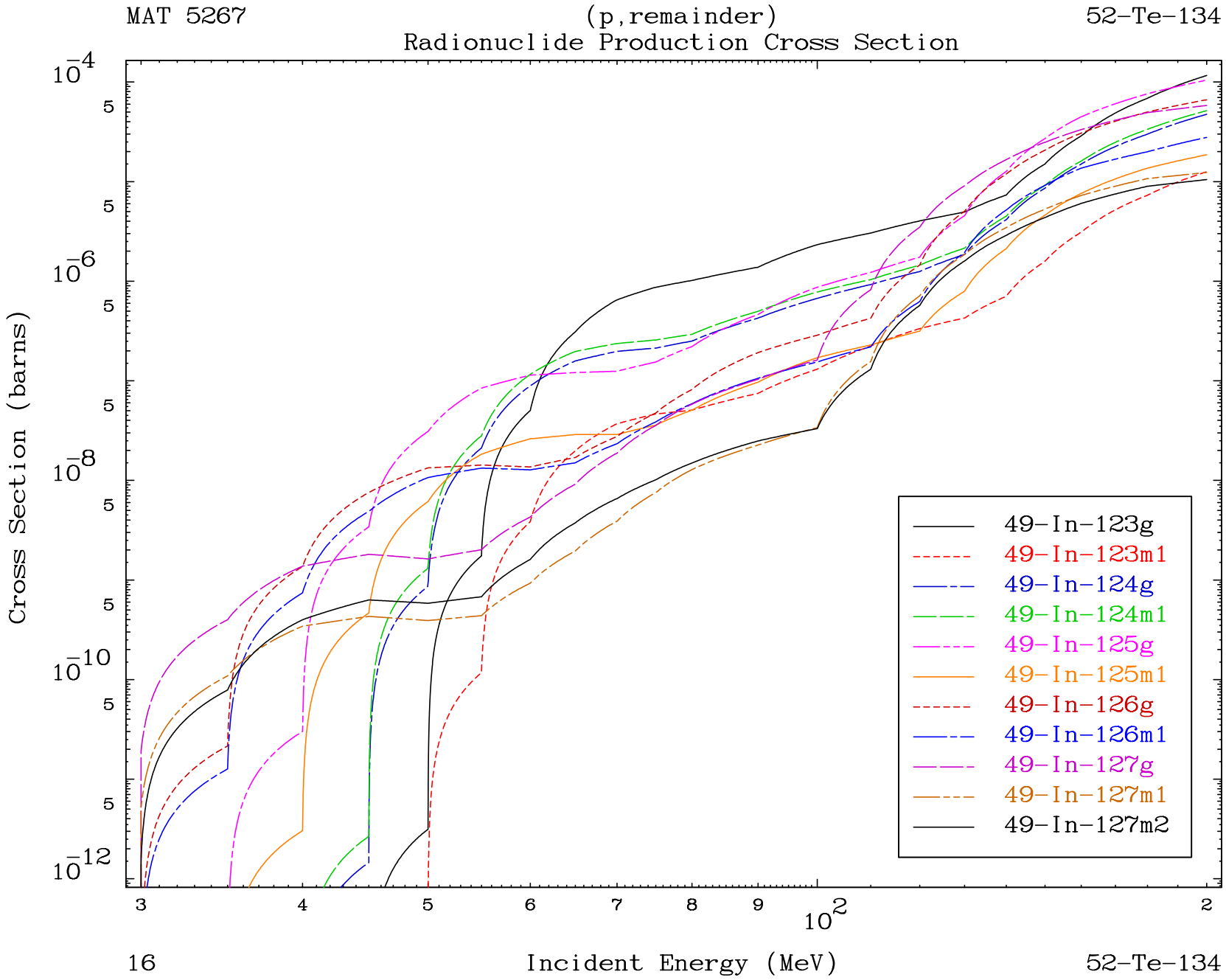

MAT 5267
(p,α) Levels
52-Te-134
0 Kelvin Cross Sections
(p,α)
Cross Section (barns)
Incident Energy (MeV)
11
52-Te-134

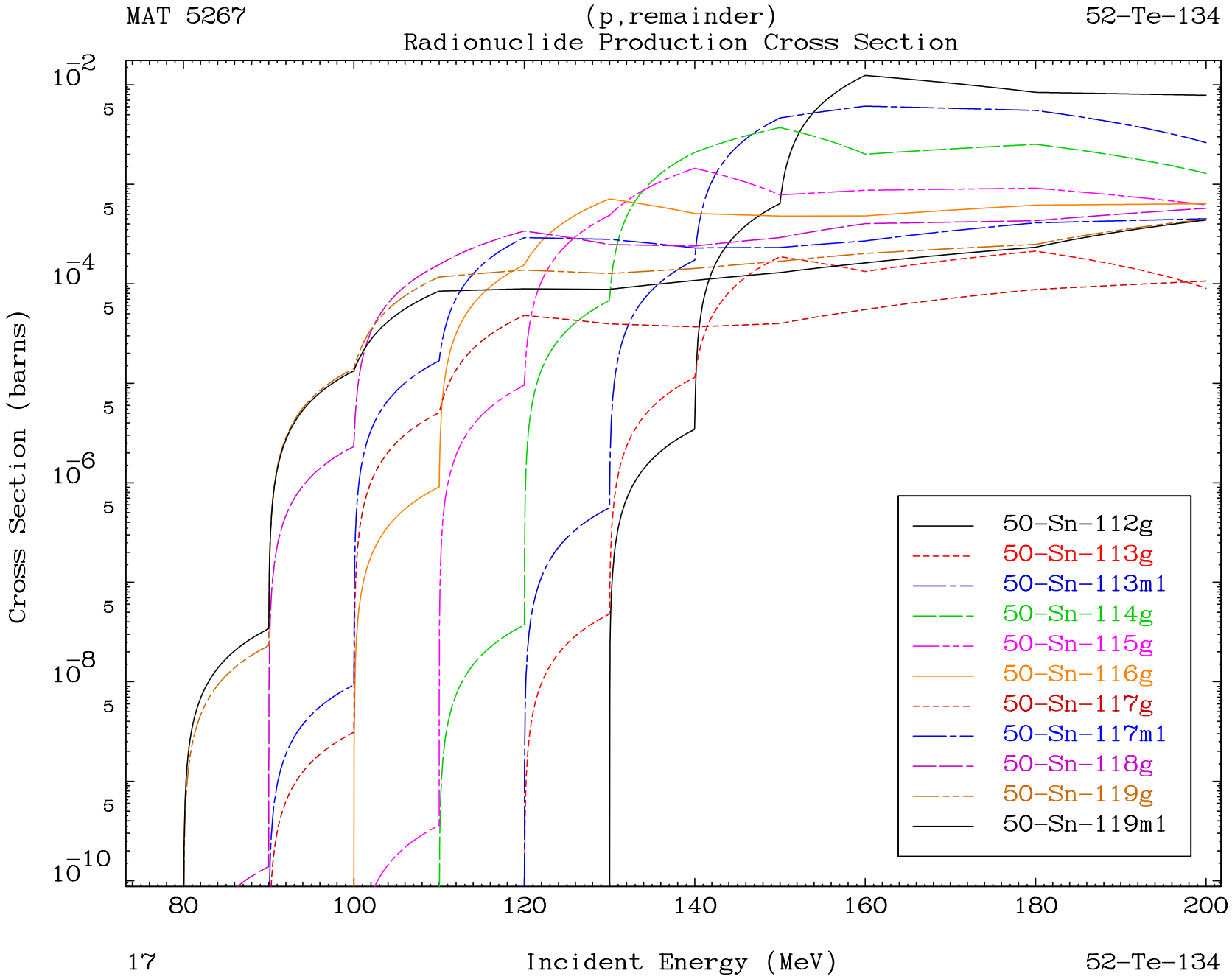

MAT 5267
Proton Inelastic
52-Te-134
Radionuclide Production Cross Section
53-I -134g
53-I -134m5
Cross Section (barns)
Incident Energy (MeV)
52-Te-134
12

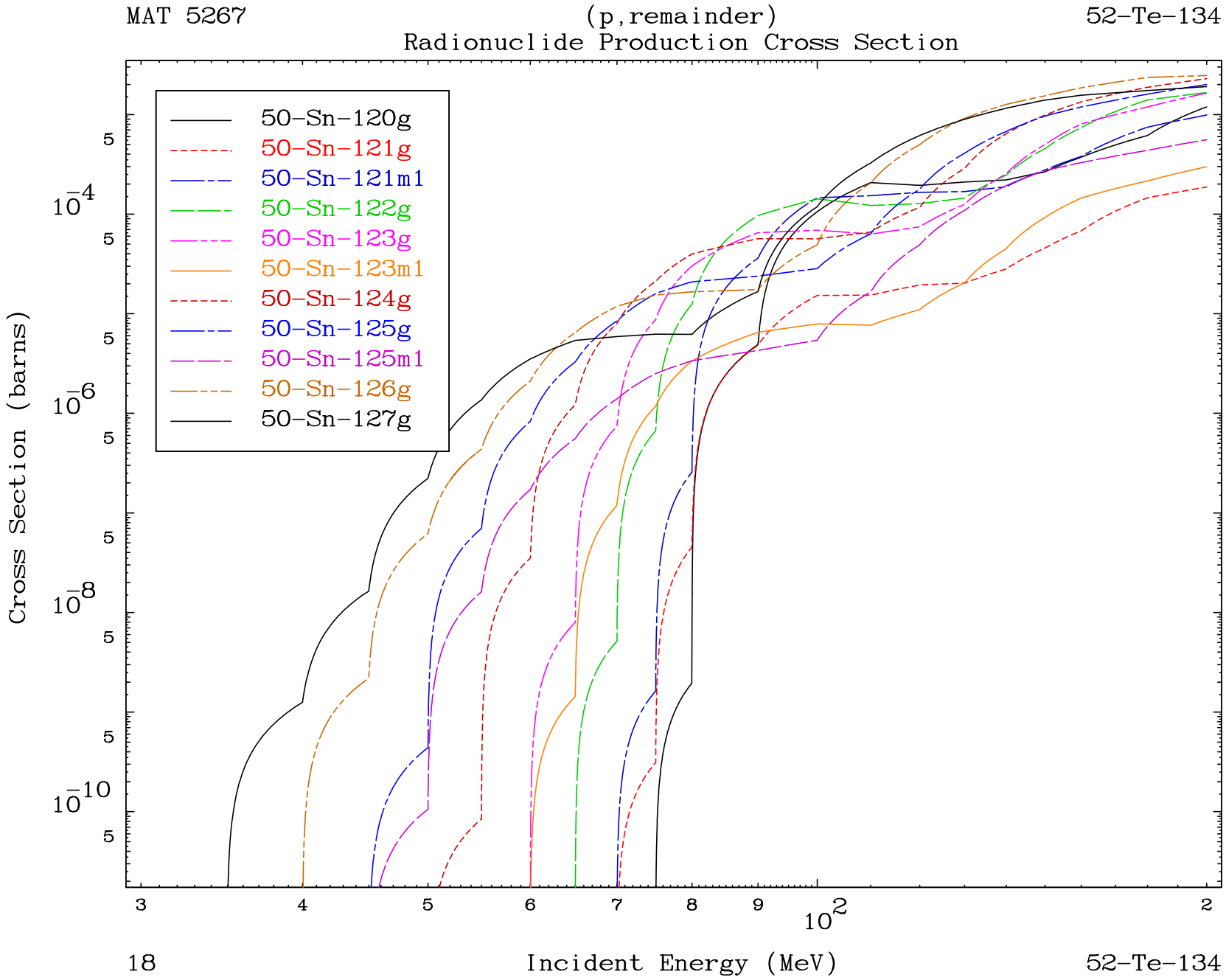

MAT 5267
(p,remainder)
52-Te-134
Radionuclide Production Cross Section
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
Neutron
1-H -1
1-H -2
1-H -3
2-He-3
2-He-4
48-Cd-110g
48-Cd-111g
48-Cd-111m1
48-Cd-112g
49-In-111g
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
52-Te-134

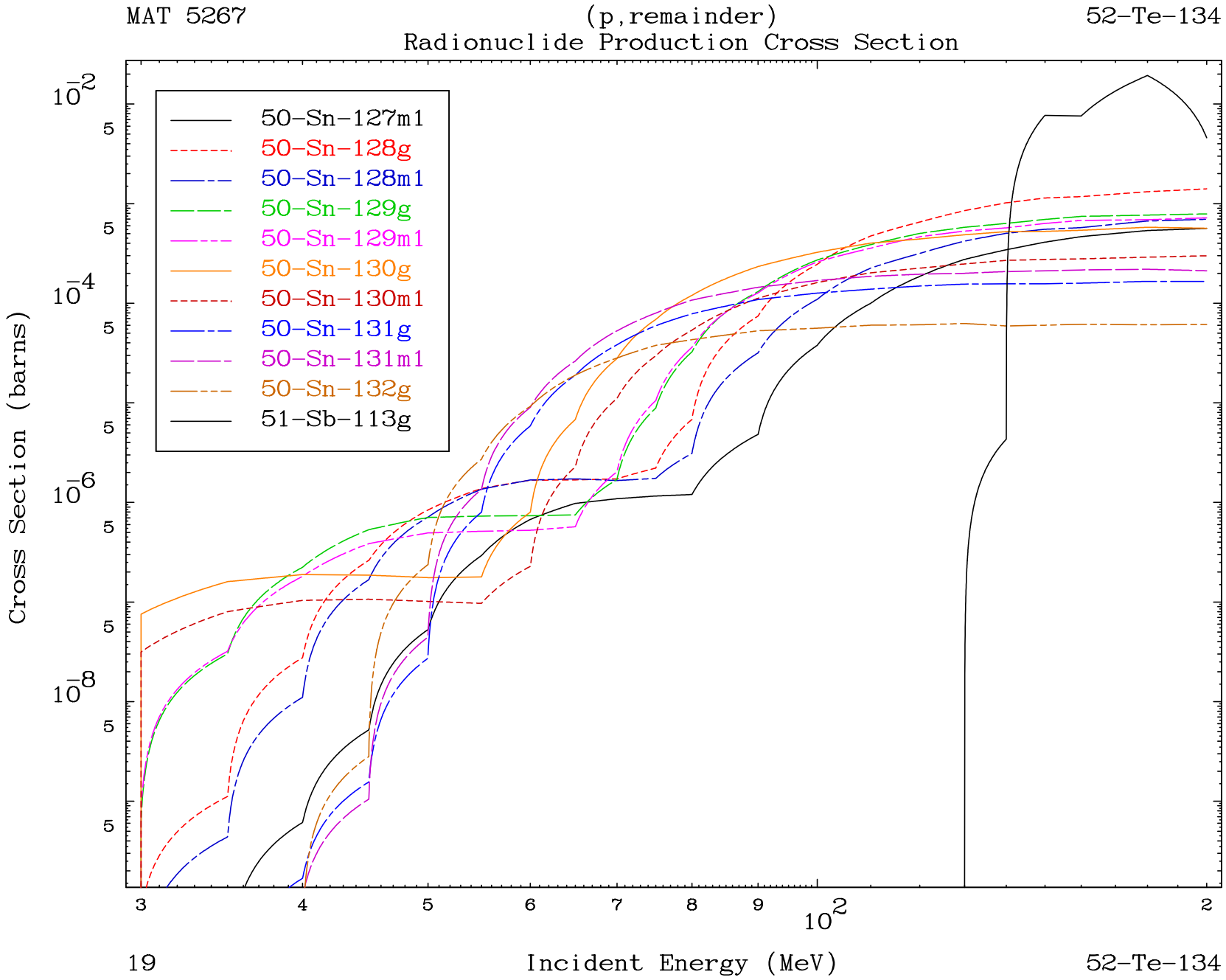

MAT 5267
(p,remainder)
52-Te-134
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
14
52-Te-134
49-In-111m1
49-In-112g
49-In-112m1
49-In-113g
49-In-113m1
49-In-114g
49-In-114m1
49-In-115g
49-In-115m1
49-In-116g
49-In-116m1

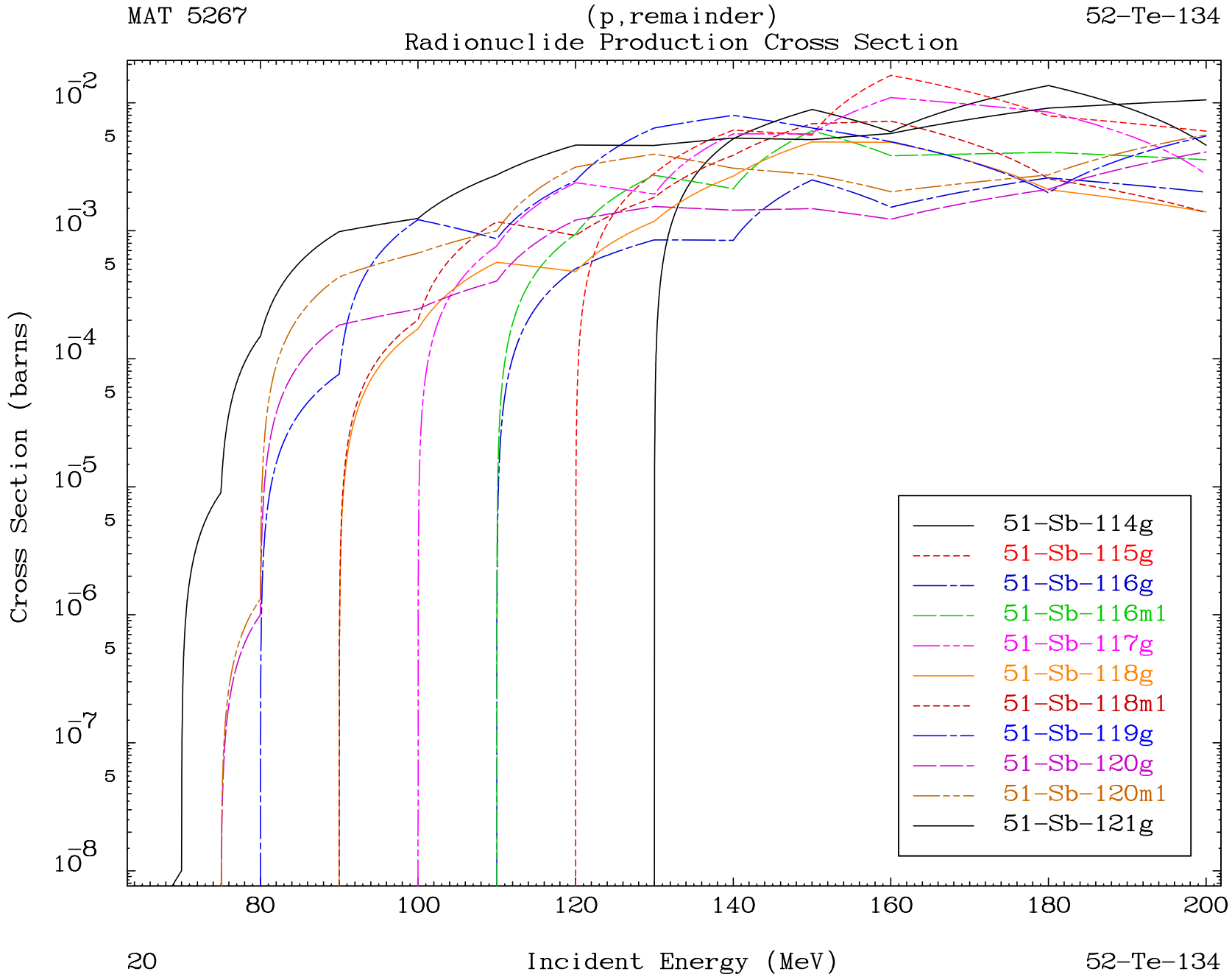

MAT 5267
(p,remainder)
52-Te-134
Radionuclide Production Cross Section
Cross Section (barns)
10-4
5
10-6
5
10-8
5
10-10
5
10-12
5
50
100
150
200
15
Incident Energy (MeV)
52-Te-134
49-In-116m2
49-In-119g
49-In-119m1
49-In-120g
49-In-120m1
49-In-120m2
49-In-121g
49-In-121m1
49-In-122g
49-In-122m1
49-In-122m2

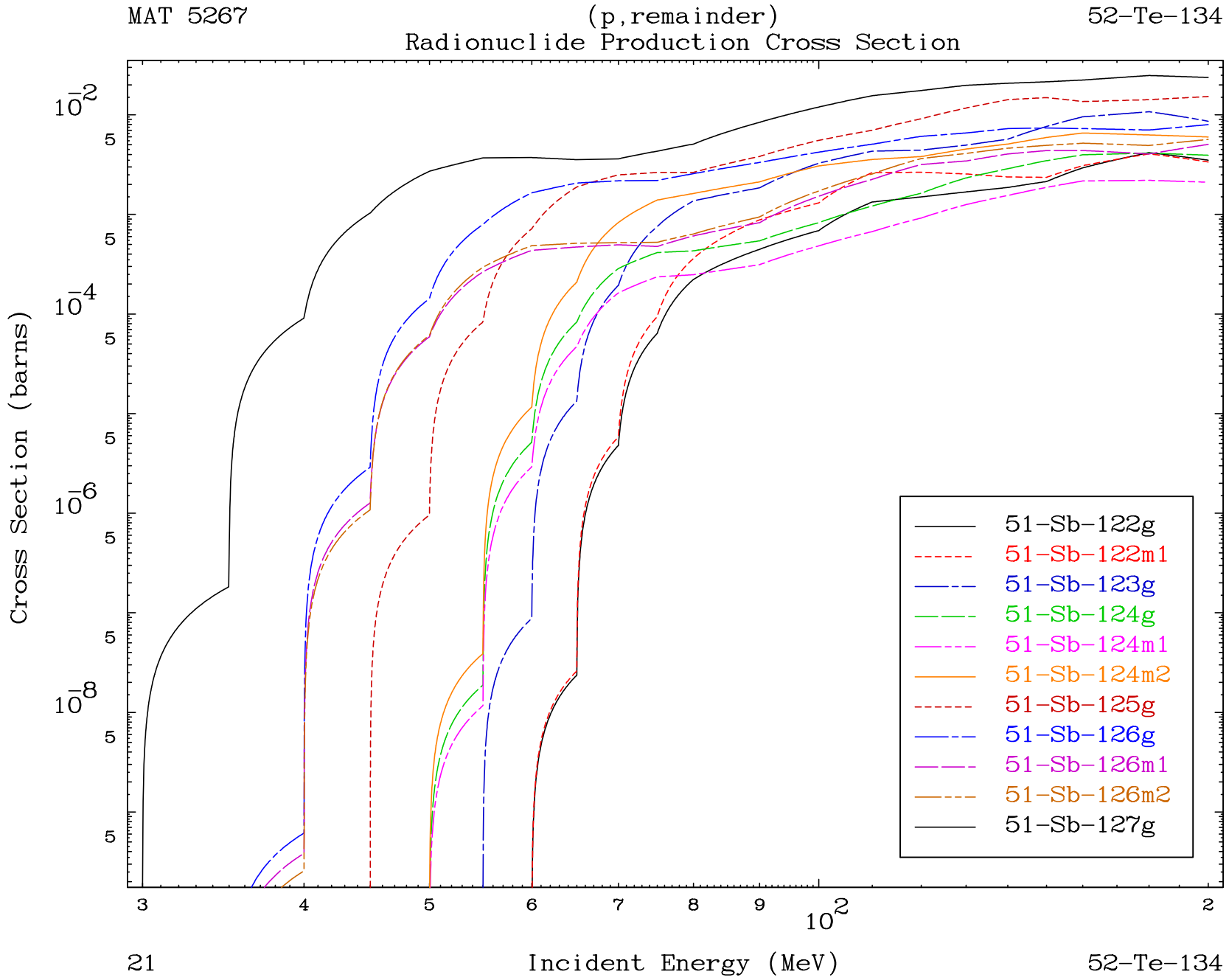

MAT 5267
(p,remainder)
52-Te-134
Radionuclide Production Cross Section
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
5
3
4
6
7
8
9
10^2
2
49-In-123g
49-In-123m1
49-In-124g
49-In-124m1
49-In-125g
49-In-125m1
49-In-126g
49-In-126m1
49-In-127g
49-In-127m1
49-In-127m2
16
Incident Energy (MeV)
52-Te-134

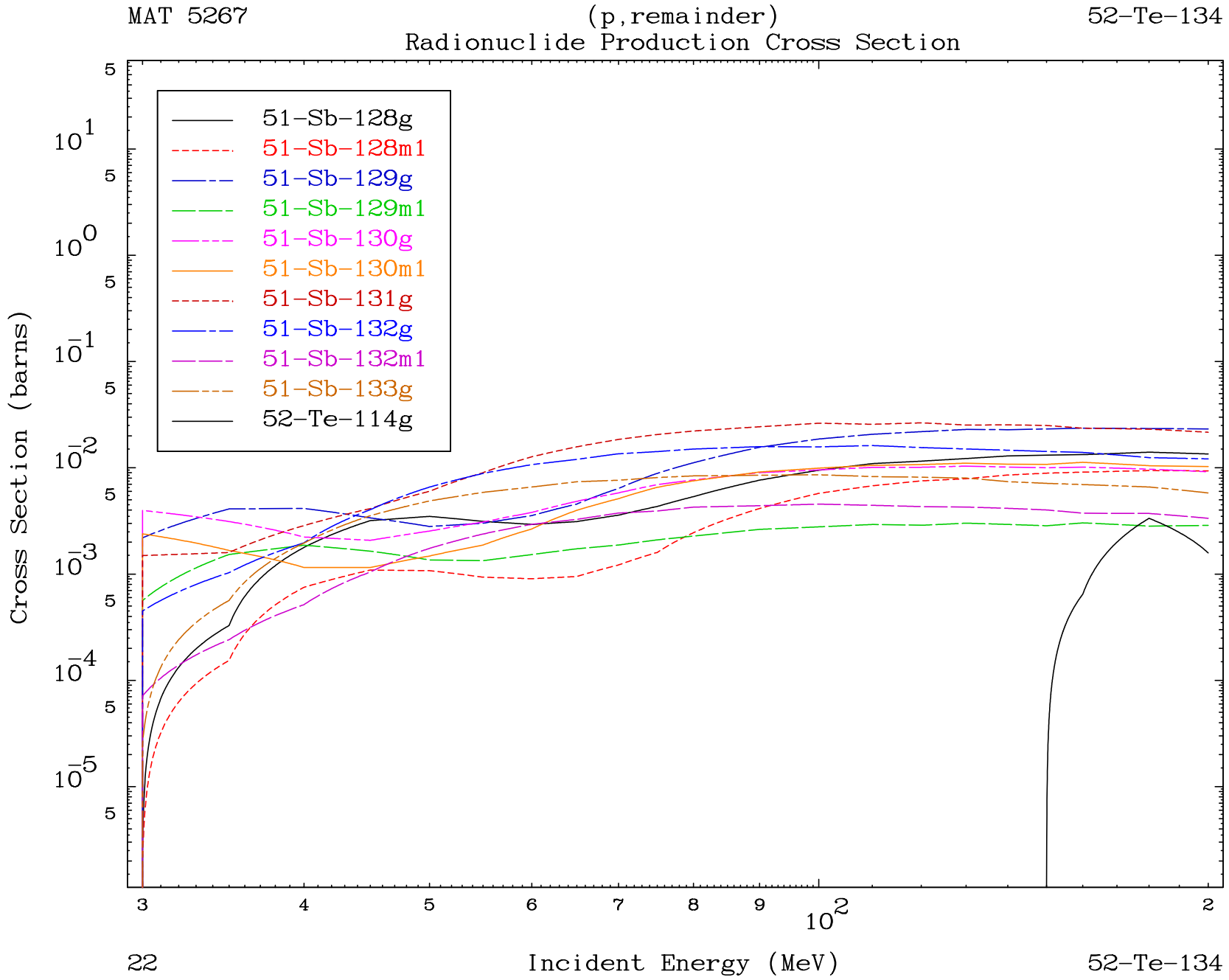

MAT 5267
(p,remainder)
52-Te-134
Radionuclide Production Cross Section
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
10-10
5
80
100
120
140
160
180
200
17
Incident Energy (MeV)
52-Te-134
50-Sn-112g
50-Sn-113g
50-Sn-113m1
50-Sn-114g
50-Sn-115g
50-Sn-116g
50-Sn-117g
50-Sn-117m1
50-Sn-118g
50-Sn-119g
50-Sn-119m1

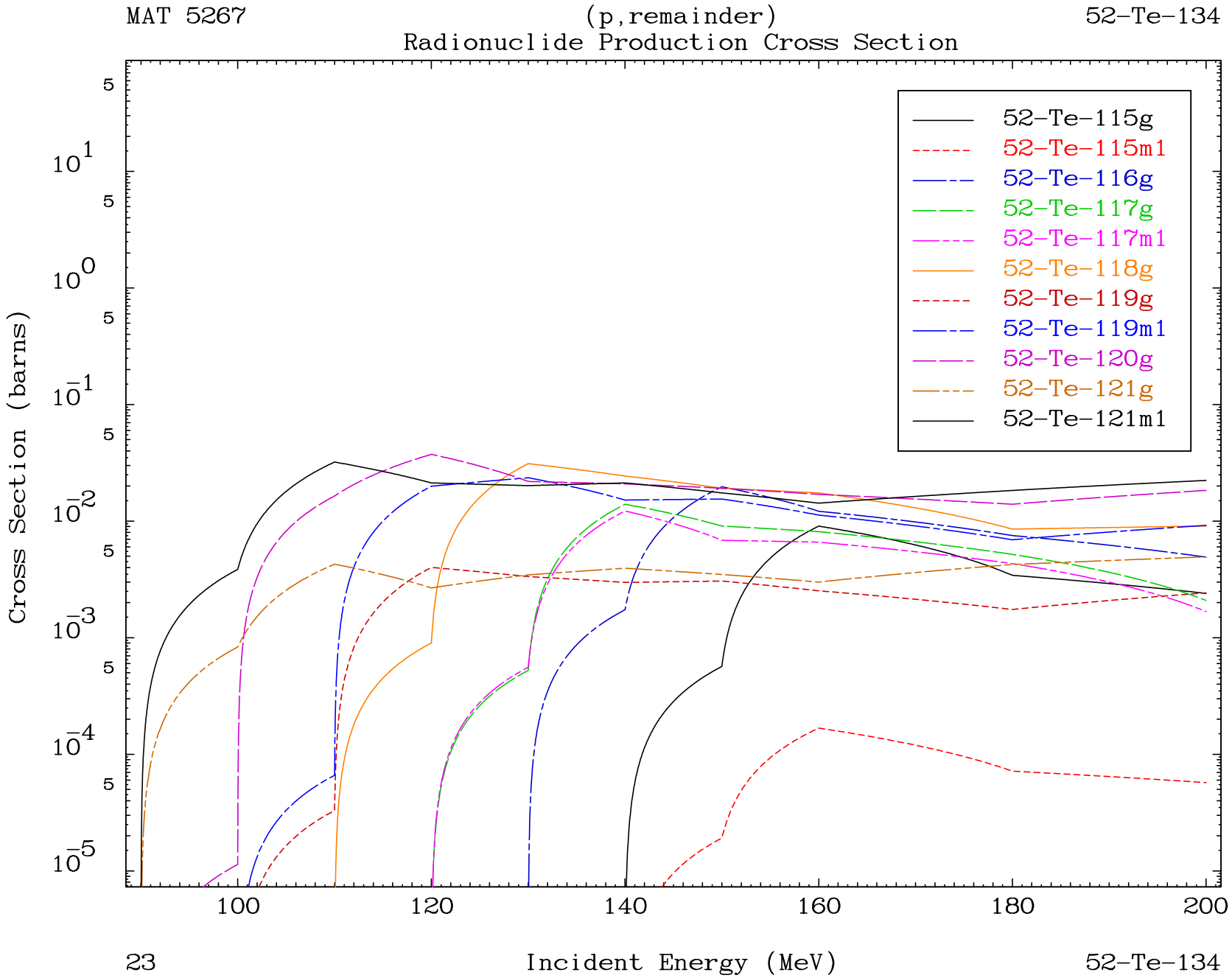

MAT 5267
(p,remainder)
52-Te-134
Radionuclide Production Cross Section
50-Sn-120g
50-Sn-121g
50-Sn-121m1
50-Sn-122g
50-Sn-123g
50-Sn-123m1
50-Sn-124g
50-Sn-125g
50-Sn-125m1
50-Sn-126g
50-Sn-127g
Cross Section (barns)
10-4
10-6
10-8
10-10
5
3
4
5
6
7
8
9
10 2
2
18
Incident Energy (MeV)
52-Te-134

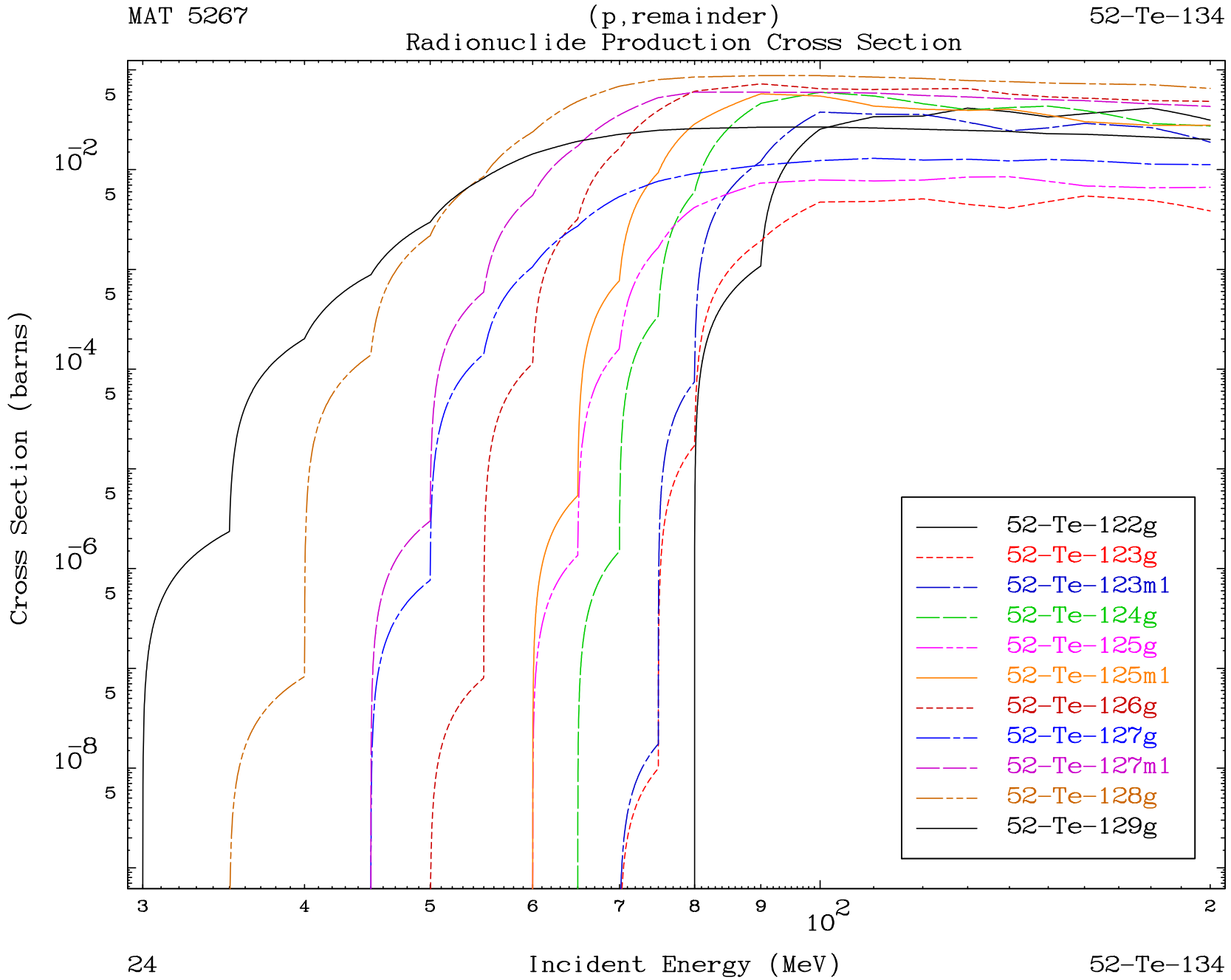

MAT 5267
(p,remainder)
52-Te-134
Radionuclide Production Cross Section
50-Sn-127m1
50-Sn-128g
50-Sn-128m1
50-Sn-129g
50-Sn-129m1
50-Sn-130g
50-Sn-130m1
50-Sn-131g
50-Sn-131m1
50-Sn-132g
51-Sb-113g
Cross Section (barns)
10-2
10-4
10-6
10-8
5
3
4
5
6
7
8
9
10 2
2
19
Incident Energy (MeV)
52-Te-134

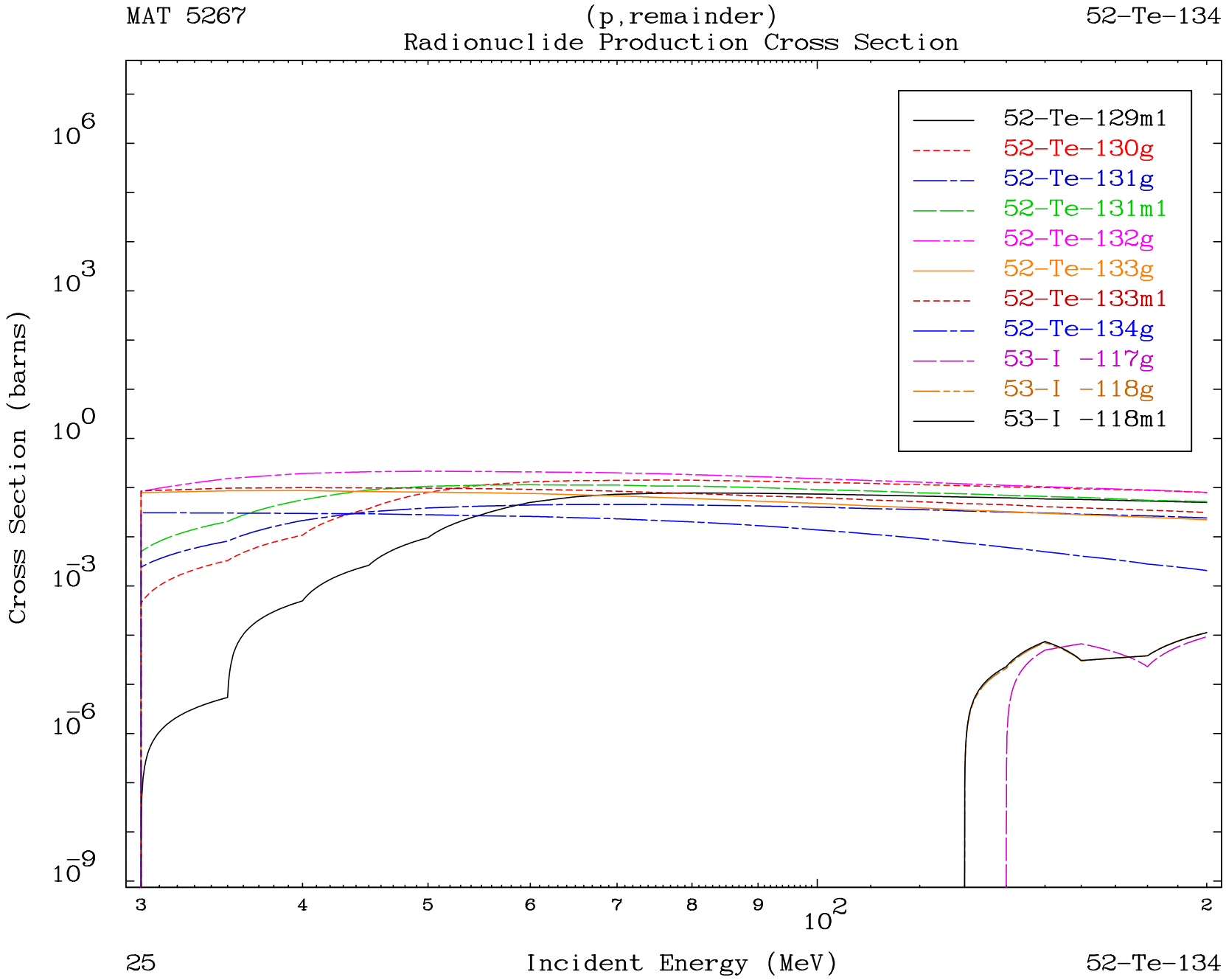

MAT 5267
(p,remainder)
52-Te-134
Radionuclide Production Cross Section
Cross Section (barns)
10-2
5
10-3
5
10-4
5
10-5
5
10-6
5
10-7
5
10-8
80
100
120
140
160
180
200
20
Incident Energy (MeV)
52-Te-134
51-Sb-114g
51-Sb-115g
51-Sb-116g
51-Sb-116m1
51-Sb-117g
51-Sb-118g
51-Sb-118m1
51-Sb-119g
51-Sb-120g
51-Sb-120m1
51-Sb-121g

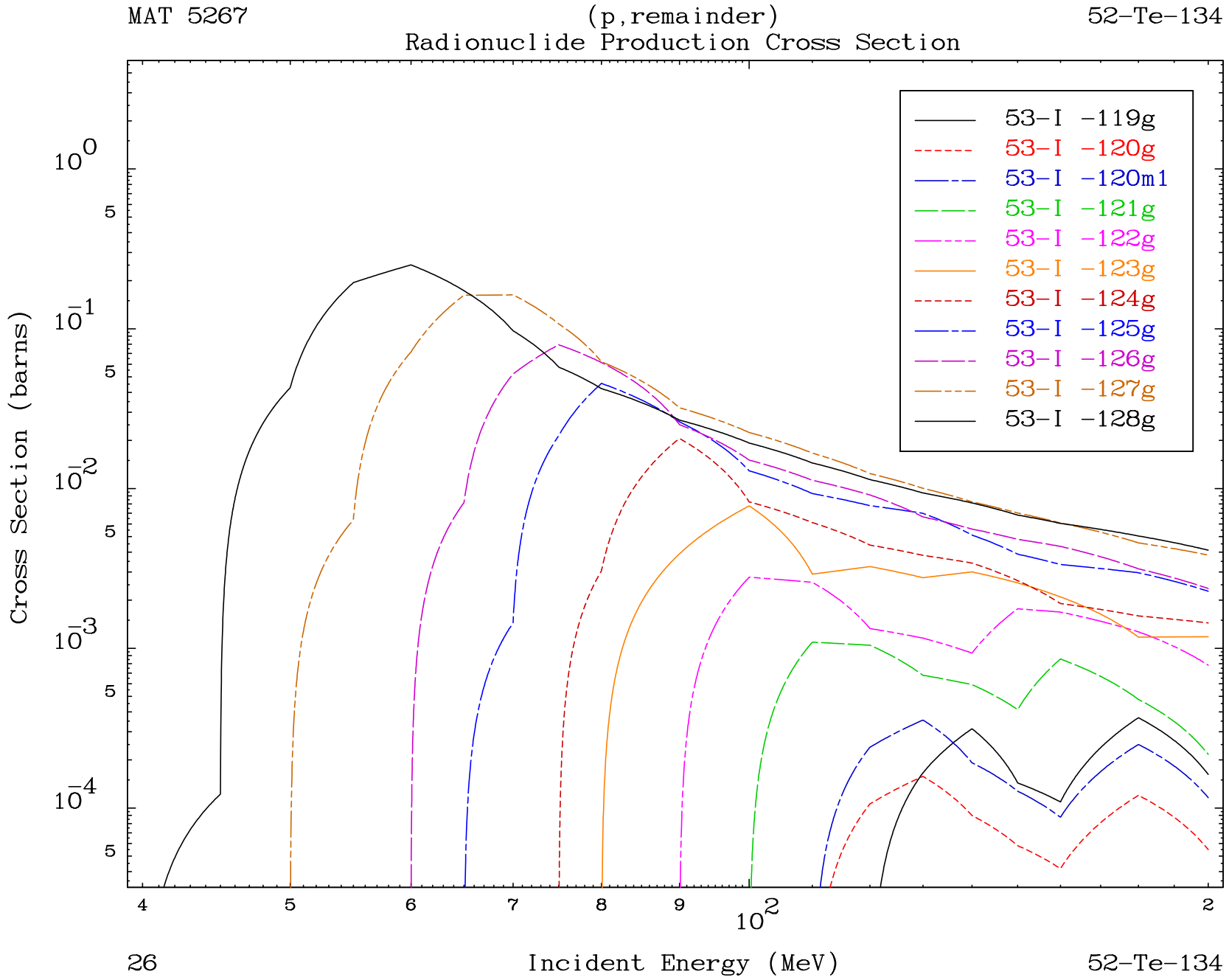

MAT 5267
(p,remainder)
52-Te-134
Radionuclide Production Cross Section
Cross Section (barns)
10-2
10-4
10-6
10-8
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
51-Sb-122g
51-Sb-122m1
51-Sb-123g
51-Sb-124g
51-Sb-124m1
51-Sb-124m2
51-Sb-125g
51-Sb-126g
51-Sb-126m1
51-Sb-126m2
51-Sb-127g
21
52-Te-134

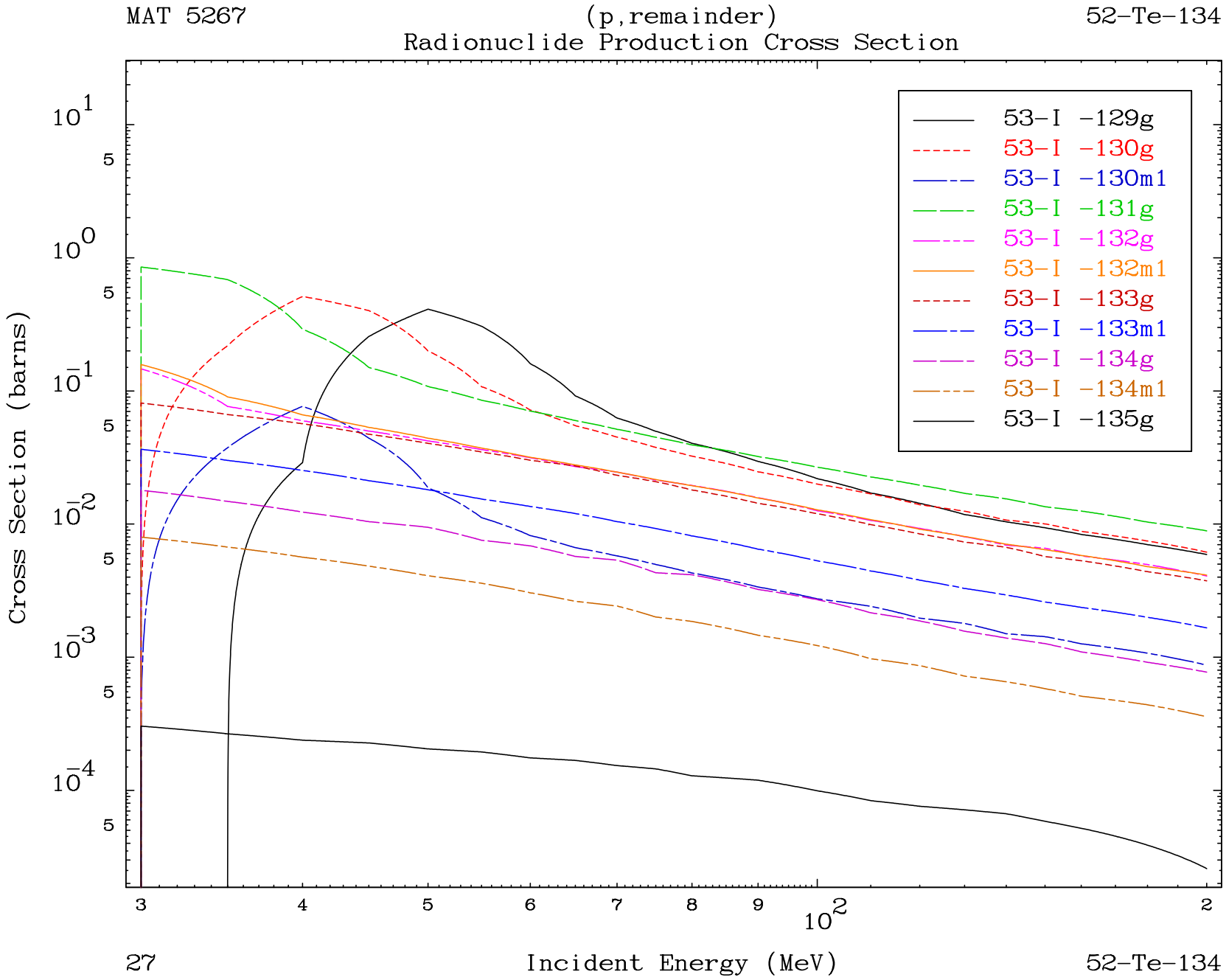

MAT 5267
(p,remainder)
52-Te-134
Radionuclide Production Cross Section
51-Sb-128g
51-Sb-128m1
51-Sb-129g
51-Sb-129m1
51-Sb-130g
51-Sb-130m1
51-Sb-131g
51-Sb-132g
51-Sb-132m1
51-Sb-133g
52-Te-114g
Cross Section (barns)
Incident Energy (MeV)
22
52-Te-134

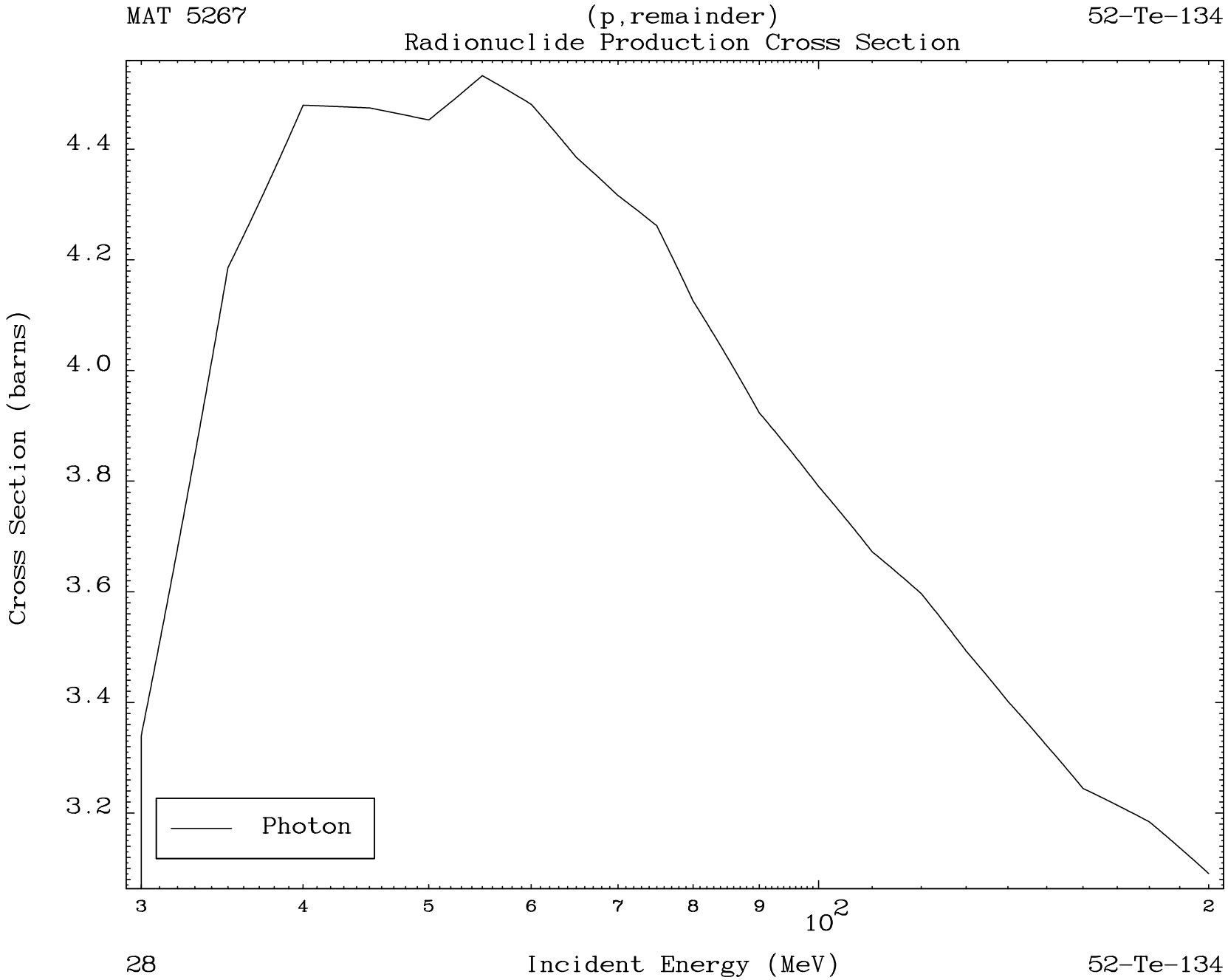

MAT 5267
(p,remainder)
52-Te-134
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
52-Te-115g
52-Te-115m1
52-Te-116g
52-Te-117g
52-Te-117m1
52-Te-118g
52-Te-119g
52-Te-119m1
52-Te-120g
52-Te-121g
52-Te-121m1
100
120
140
160
180
200
23
52-Te-134

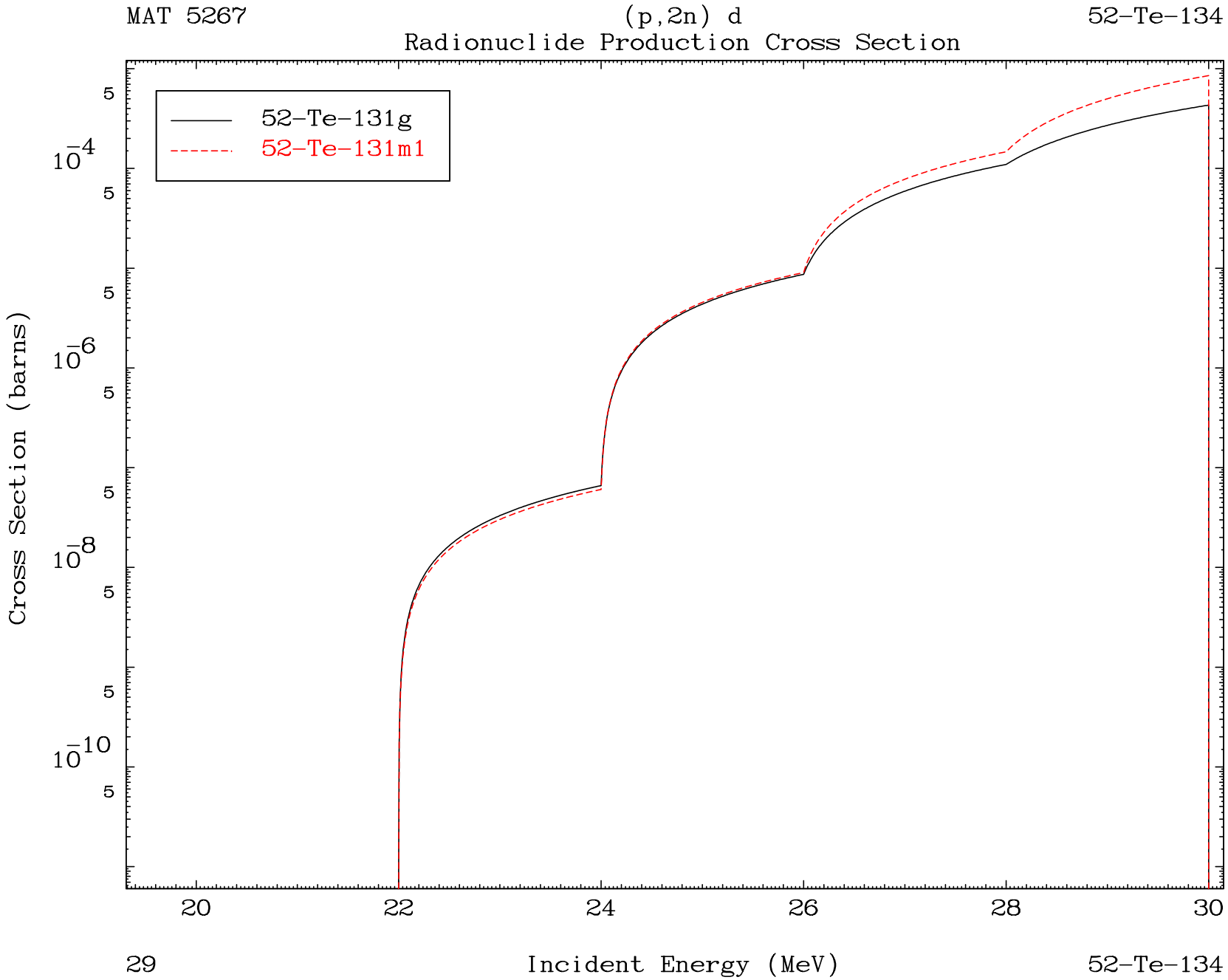

MAT 5267
(p,remainder)
52-Te-134
Radionuclide Production Cross Section
Cross Section (barns)
10-2
10-4
10-6
10-8
5
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
52-Te-122g
52-Te-123g
52-Te-123m1
52-Te-124g
52-Te-125g
52-Te-125m1
52-Te-126g
52-Te-127g
52-Te-127m1
52-Te-128g
52-Te-129g
24
52-Te-134

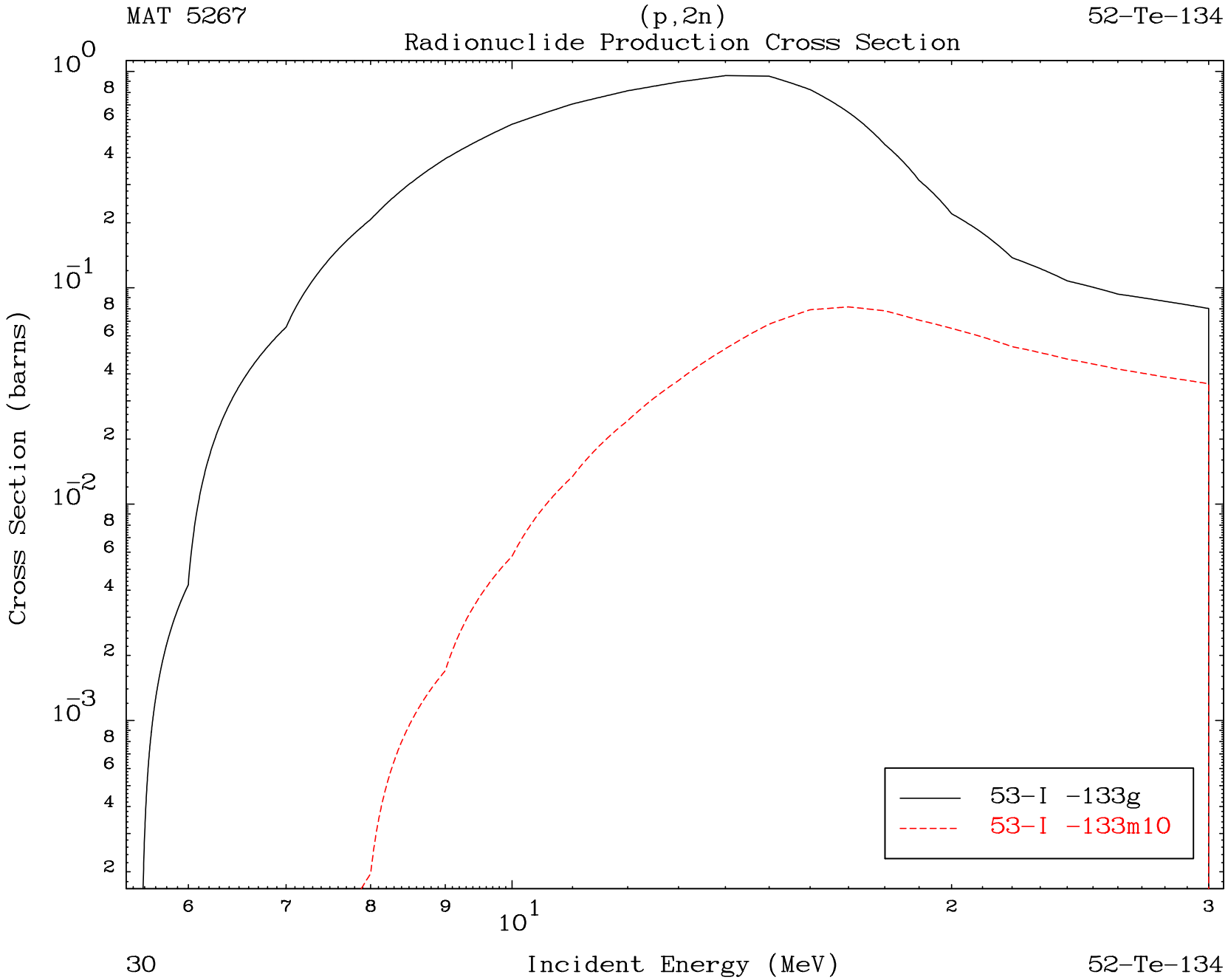

MAT 5267
(p,remainder)
52-Te-134
Radionuclide Production Cross Section
Cross Section (barns)
10^6
10^3
10^0
10^-3
10^-6
10^-9
52-Te-129m1
52-Te-130g
52-Te-131g
52-Te-131m1
52-Te-132g
52-Te-133g
52-Te-133m1
52-Te-134g
53-I -117g
53-I -118g
53-I -118m1
3
4
5
6
7
8
9
10^2
2
25
Incident Energy (MeV)
52-Te-134

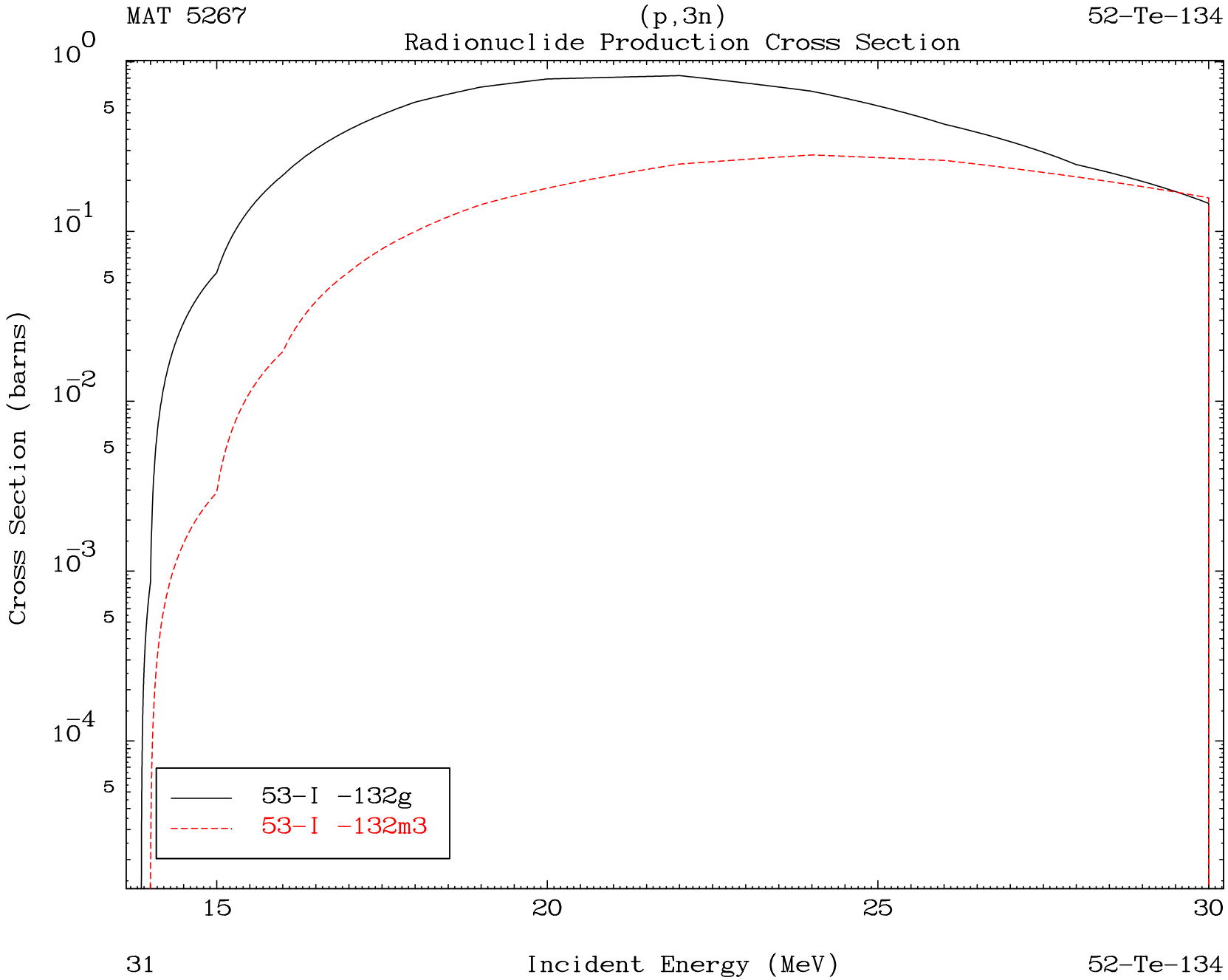

MAT 5267
(p,remainder)
52-Te-134
Radionuclide Production Cross Section
53-I -119g
53-I -120g
53-I -120m1
53-I -121g
53-I -122g
53-I -123g
53-I -124g
53-I -125g
53-I -126g
53-I -127g
53-I -128g
Cross Section (barns)
Incident Energy (MeV)
26
52-Te-134

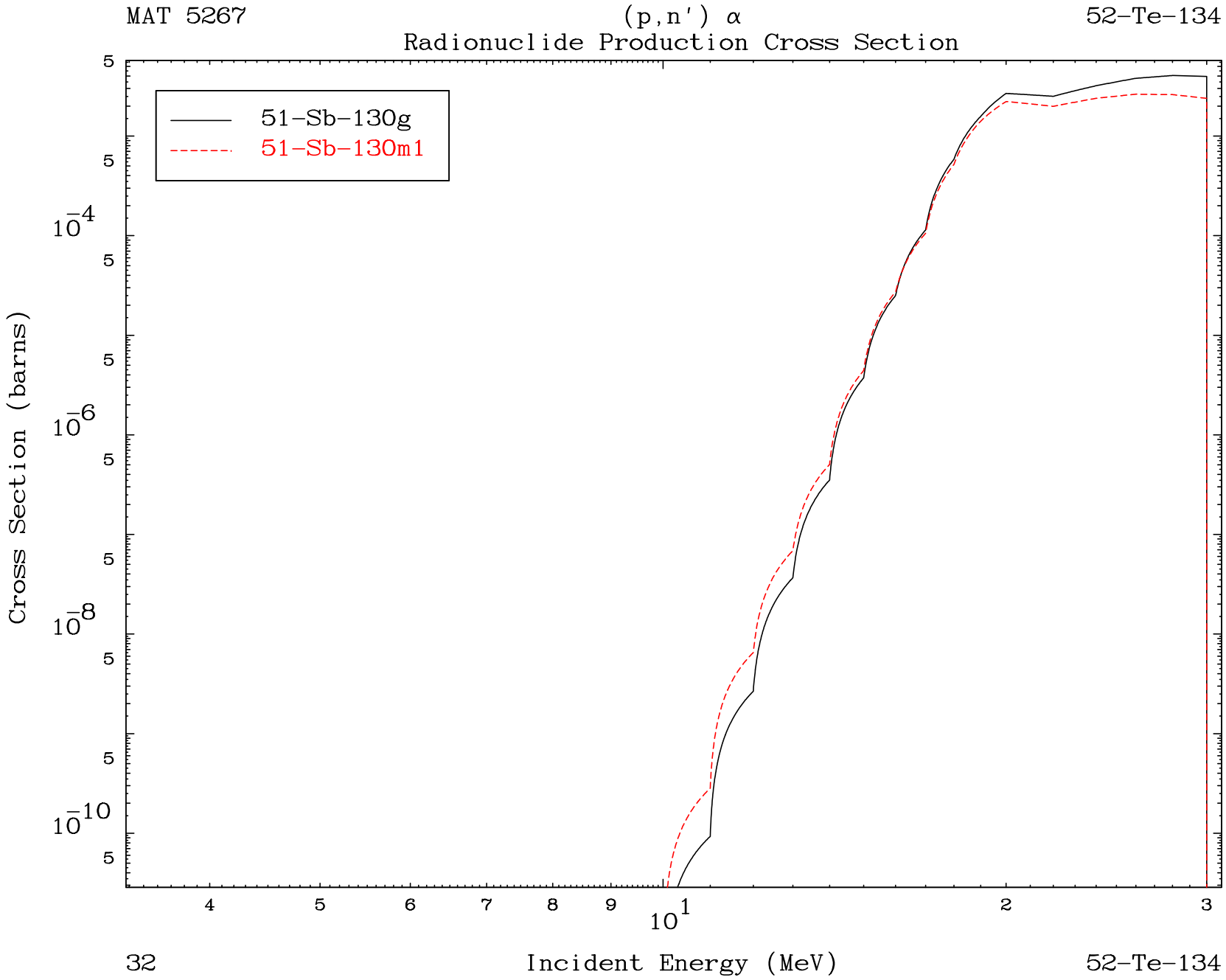

MAT 5267
(p,remainder)
52-Te-134
Radionuclide Production Cross Section
Cross Section (barns)
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
5
3
4
5
6
7
8
9
10^{2}
2
53-I -129g
53-I -130g
53-I -130m1
53-I -131g
53-I -132g
53-I -132m1
53-I -133g
53-I -133m1
53-I -134g
53-I -134m1
53-I -135g
27
Incident Energy (MeV)
52-Te-134

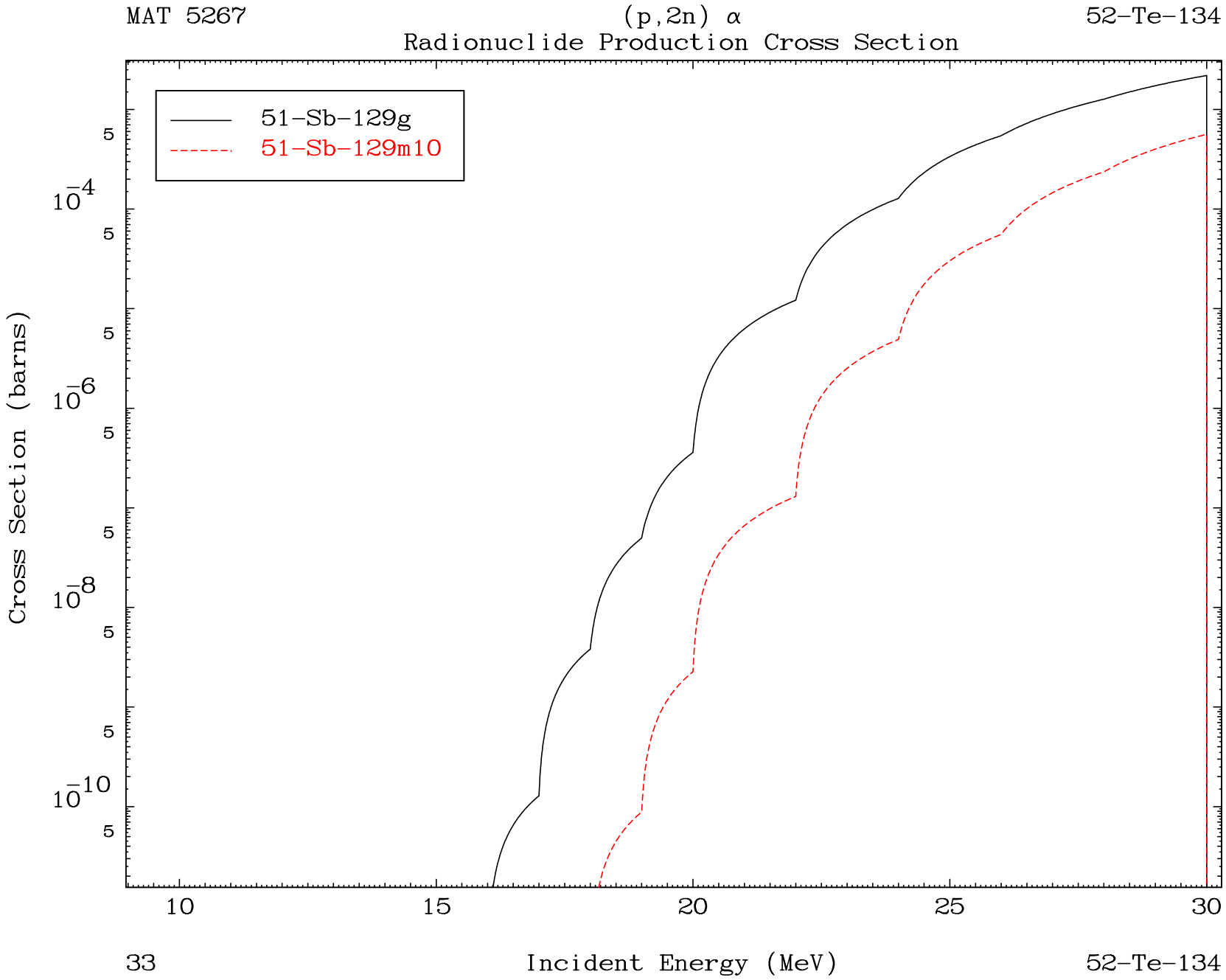

MAT 5267
(p,remainder)
52-Te-134
Radionuclide Production Cross Section
Cross Section (barns)
4.4
4.2
4.0
3.8
3.6
3.4
3.2
Photon
3
4
5
6
7
8
9
10^2
2
28
Incident Energy (MeV)
52-Te-134

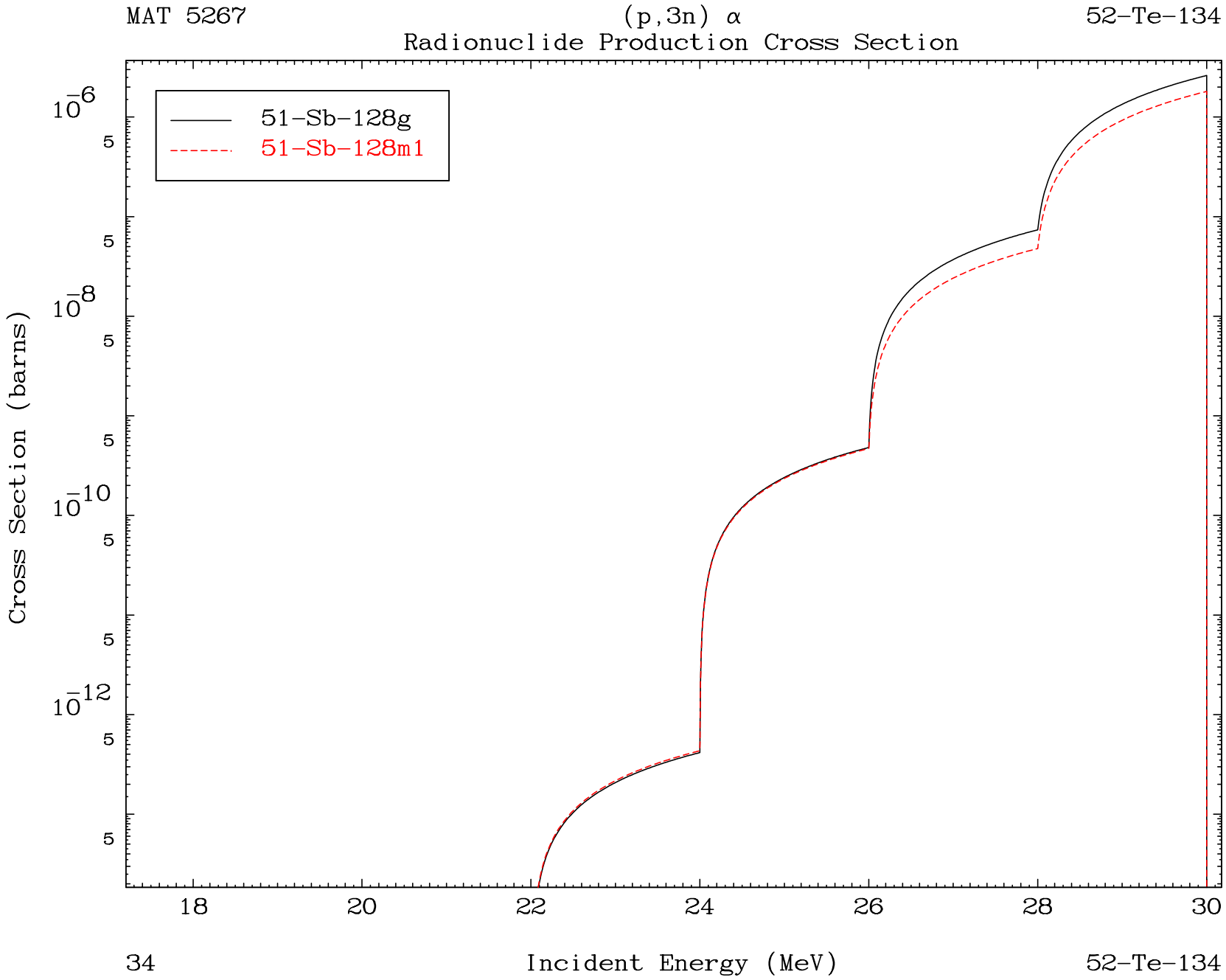

MAT 5267
(p,2n) d
52-Te-134
Radionuclide Production Cross Section
52-Te-131g
52-Te-131m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
20
22
24
26
28
30
29
Incident Energy (MeV)
52-Te-134

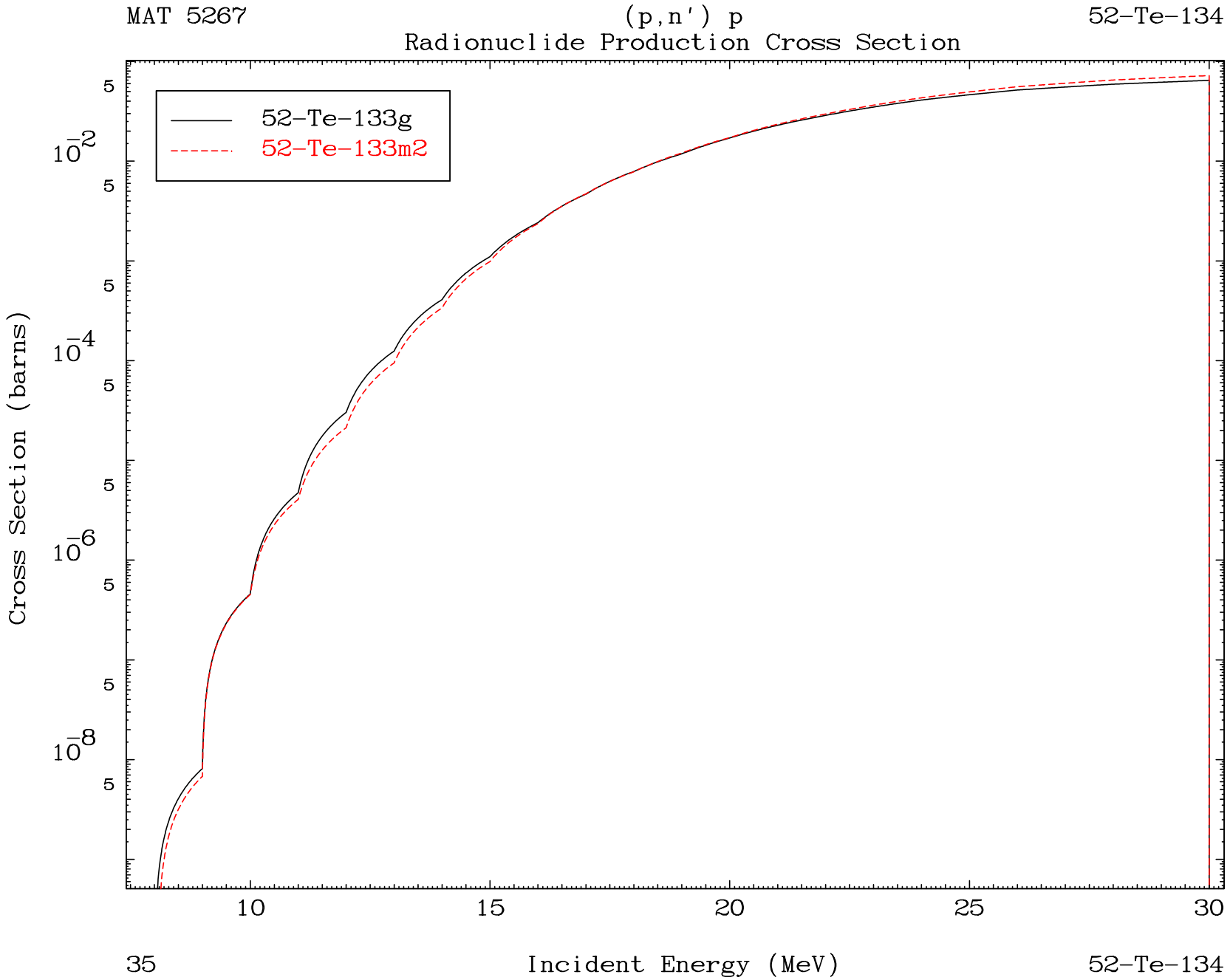

MAT 5267
(p,2n)
52-Te-134
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
30
52-Te-134
53-I -133g
53-I -133m10

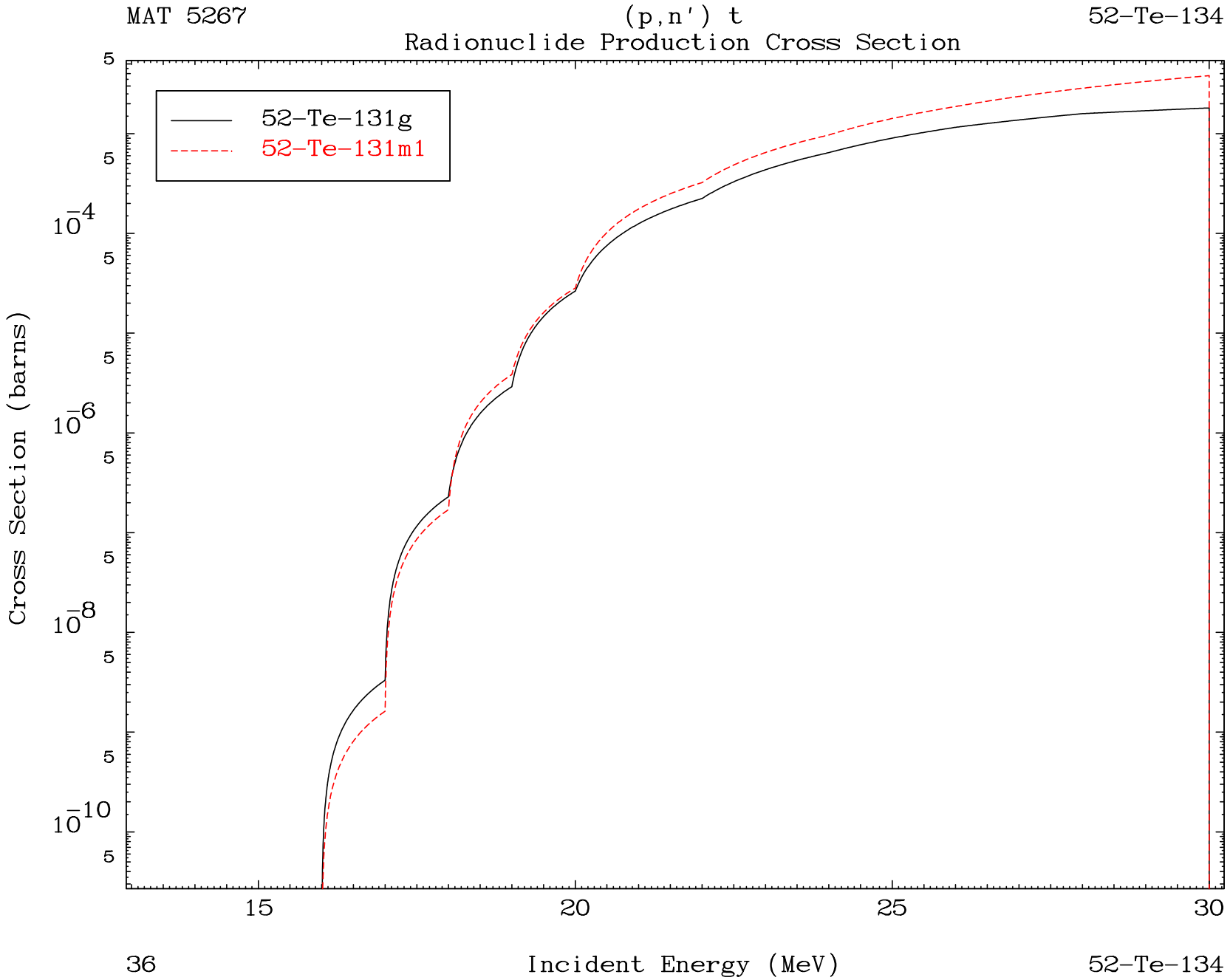

MAT 5267
(p,3n)
52-Te-134
Radionuclide Production Cross Section
Cross Section (barns)
10^0
5
10^-1
5
10^-2
5
10^-3
5
10^-4
5
53-I -132g
53-I -132m3
15
20
25
30
31
Incident Energy (MeV)
52-Te-134

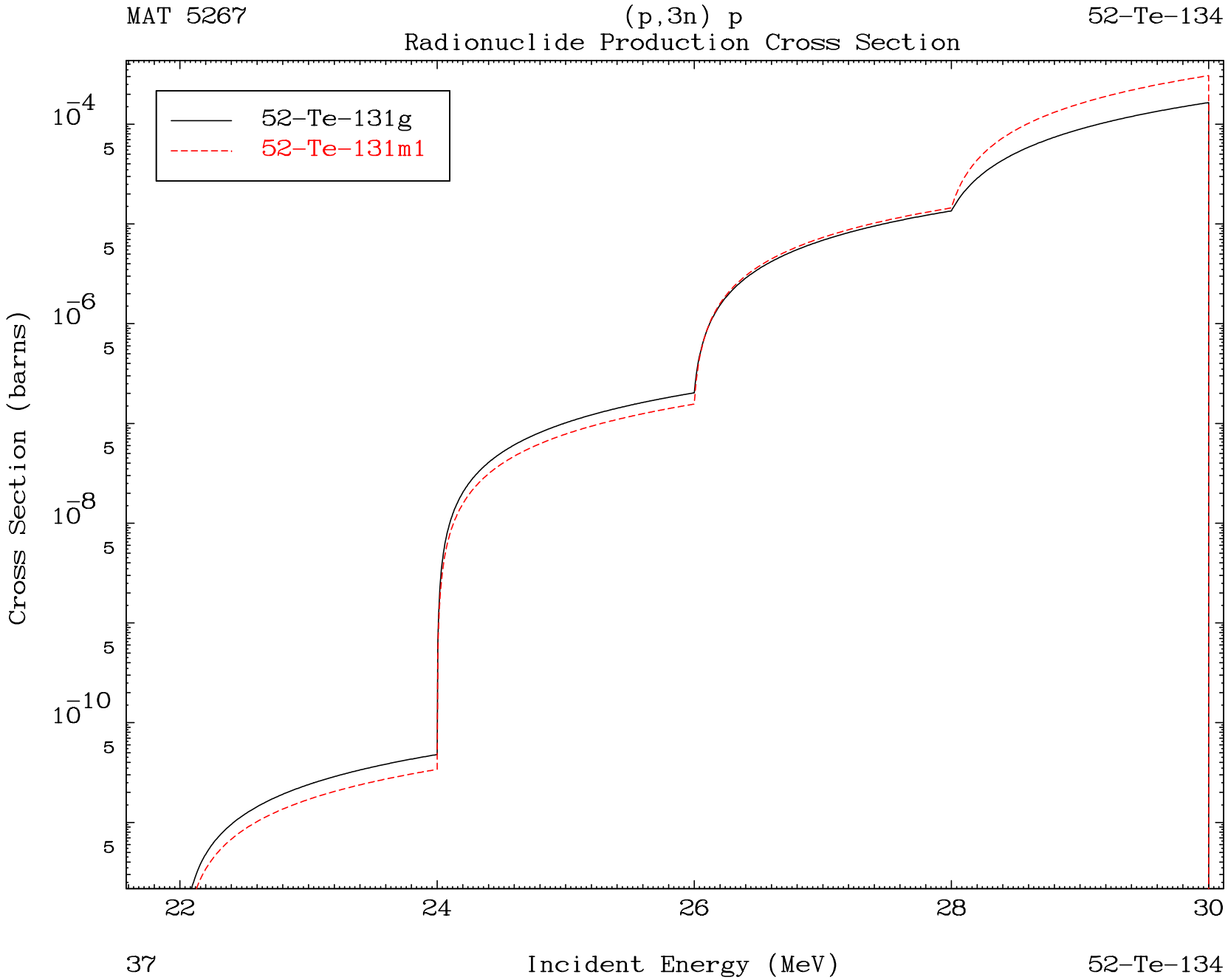

MAT 5267
(p,n') α
52-Te-134
Radionuclide Production Cross Section
51-Sb-130g
51-Sb-130m1
Cross Section (barns)
10-4
10-6
10-8
10-10
4
5
6
7
8
9
101
2
3
32
Incident Energy (MeV)
52-Te-134

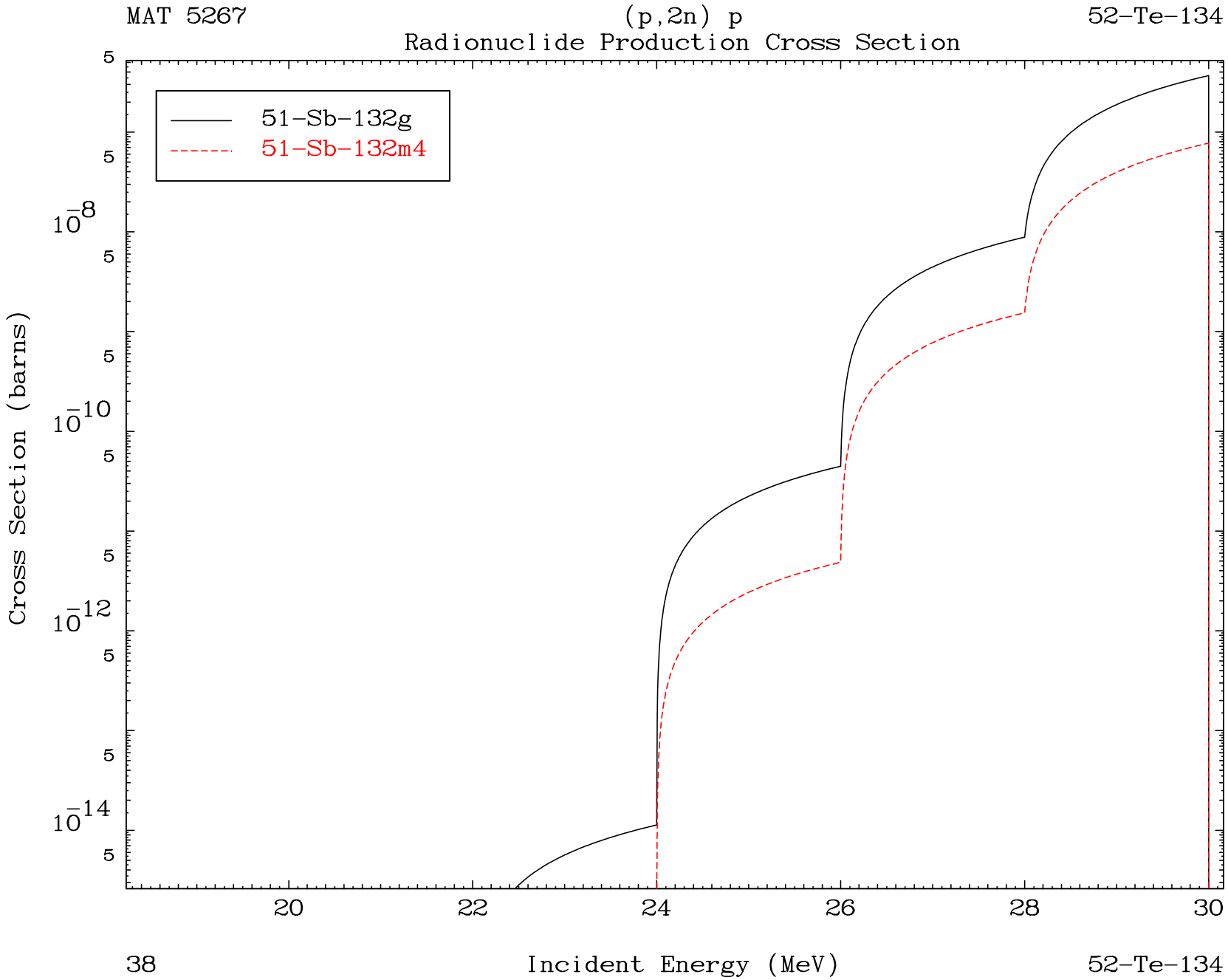

MAT 5267
(p,2n) α
52-Te-134
Radionuclide Production Cross Section
51-Sb-129g
51-Sb-129m10
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10
15
20
25
30
33
Incident Energy (MeV)
52-Te-134

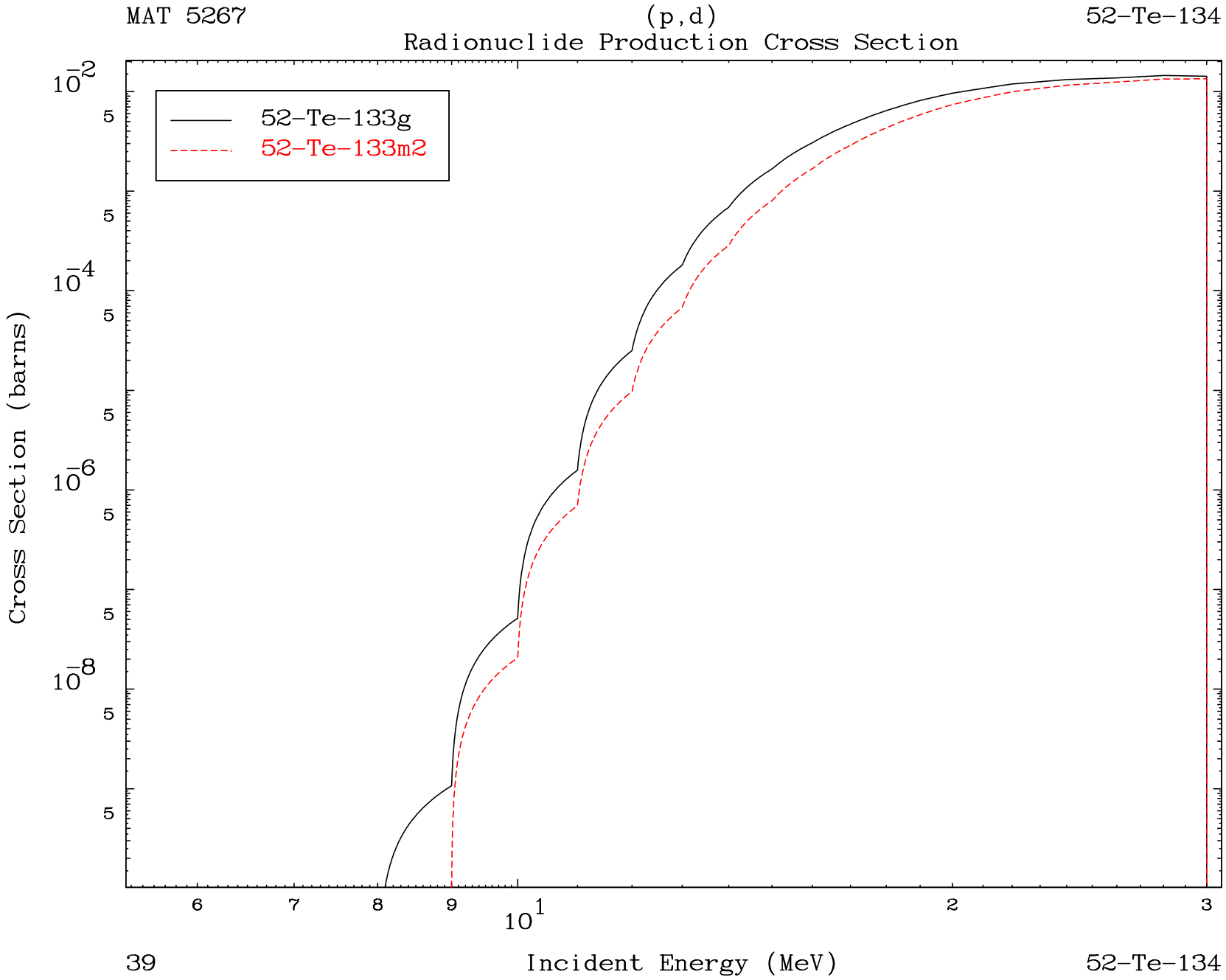

MAT 5267
(p,3n) α
52-Te-134
Radionuclide Production Cross Section
51-Sb-128g
51-Sb-128m1
Cross Section (barns)
10-6
10-8
10-10
10-12
5
18
20
22
24
26
28
30
34
Incident Energy (MeV)
52-Te-134

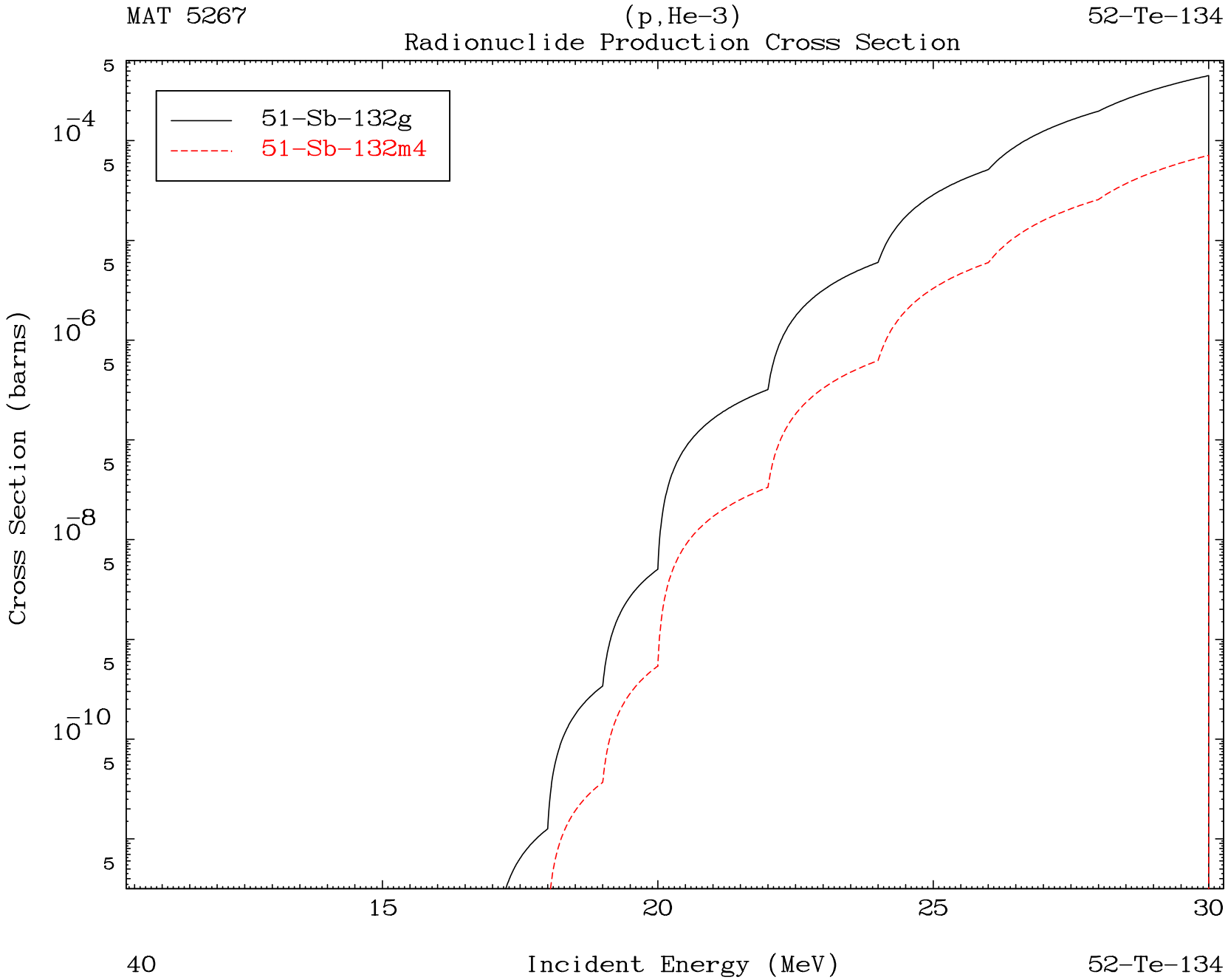

MAT 5267
(p,n') p
52-Te-134
Radionuclide Production Cross Section
52-Te-133g
52-Te-133m2
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
5
10
15
20
25
30
35
Incident Energy (MeV)
52-Te-134

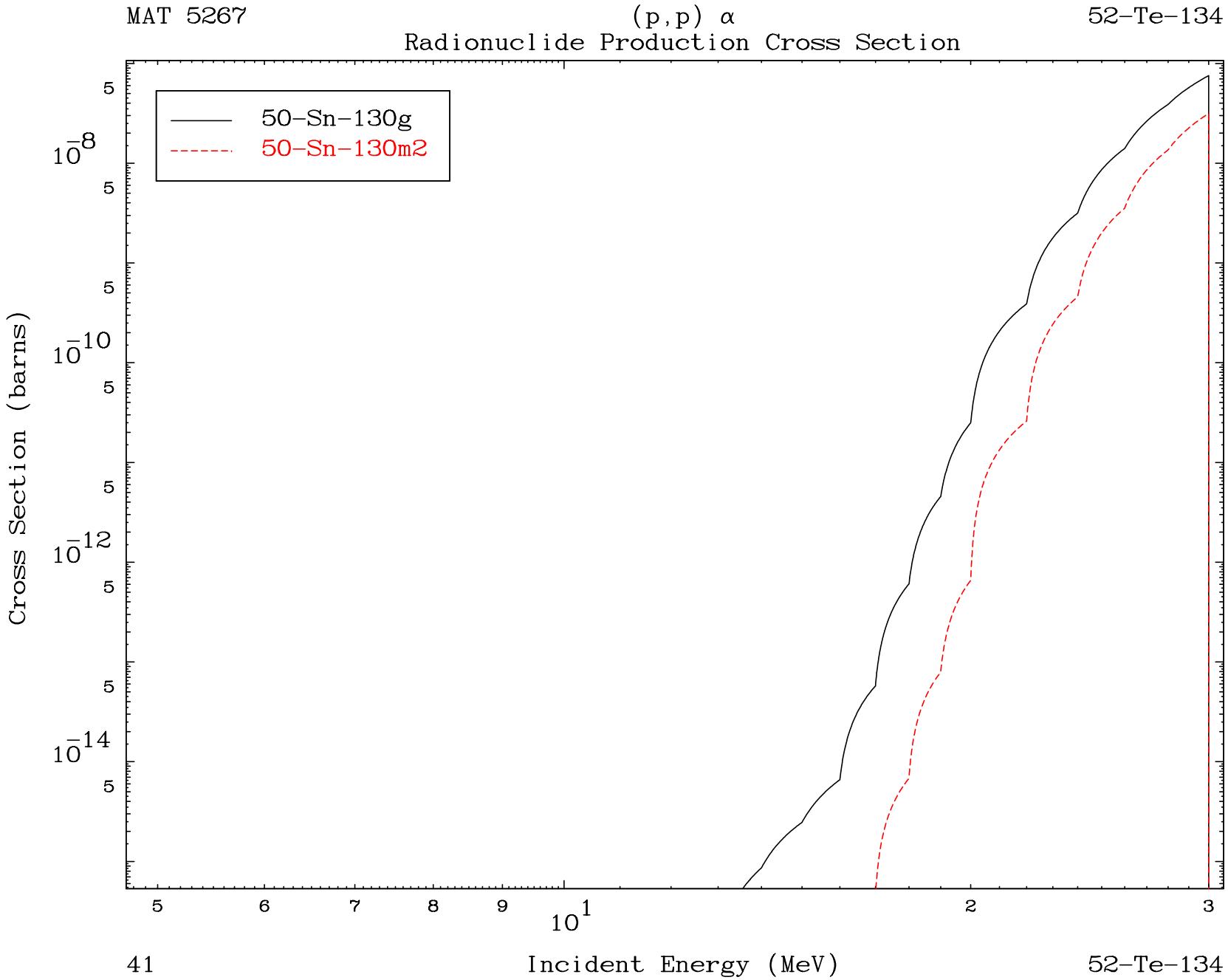

MAT 5267
(p,n') t
52-Te-134
Radionuclide Production Cross Section
52-Te-131g
52-Te-131m1
Cross Section (barns)
10-4
10-6
10-8
10-10
15
20
25
30
36
Incident Energy (MeV)
52-Te-134

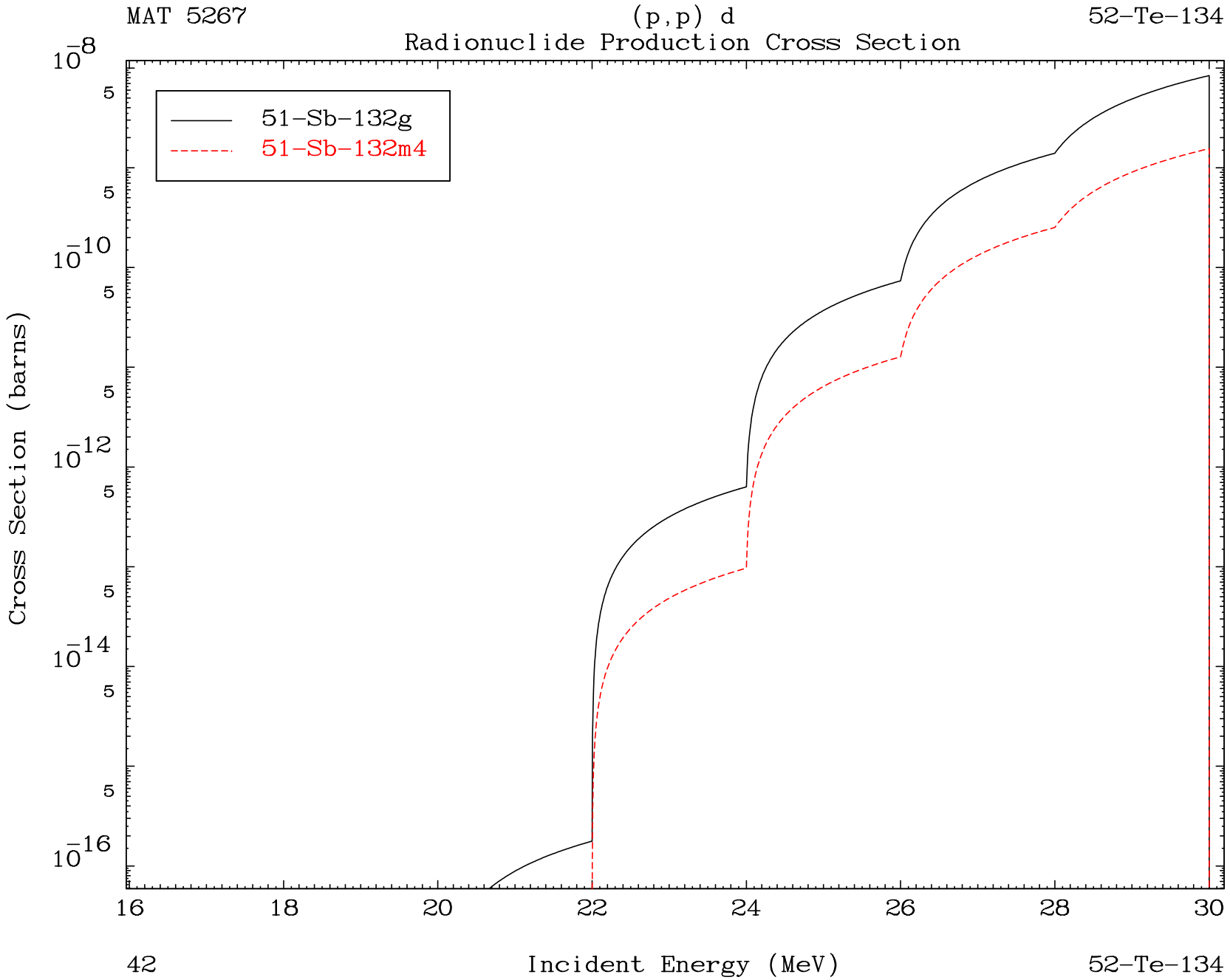

MAT 5267
(p,3n) p
52-Te-134
Radionuclide Production Cross Section
52-Te-131g
52-Te-131m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
22
24
26
28
30
37
Incident Energy (MeV)
52-Te-134


MAT 5267
(p,2n) p
52-Te-134
Radionuclide Production Cross Section
51-Sb-132g
51-Sb-132m4
Cross Section (barns)
5
5
10-8
5
10-10
5
10-12
5
10-14
5
20
22
24
26
28
30
38
Incident Energy (MeV)
52-Te-134


MAT 5267
(p,d)
52-Te-134
Radionuclide Production Cross Section
52-Te-133g
52-Te-133m2
Cross Section (barns)
10-2
10-4
10-6
10-8
5
6
7
8
9
10 1
2
3
39
Incident Energy (MeV)
52-Te-134


MAT 5267
(p,He-3)
52-Te-134
Radionuclide Production Cross Section
51-Sb-132g
51-Sb-132m4
Cross Section (barns)
10-4
10-6
10-8
10-10
5
15
20
25
30
40
Incident Energy (MeV)
52-Te-134


MAT 5267
(p,p) α
52-Te-134
Radionuclide Production Cross Section
50-Sn-130g
50-Sn-130m2
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
6
7
8
9
10^1
2
3
41
Incident Energy (MeV)
52-Te-134


MAT 5267
(p,p) d
52-Te-134
Radionuclide Production Cross Section
51-Sb-132g
51-Sb-132m4
Cross Section (barns)
10^-8
5
10^-10
5
10^-12
5
10^-14
5
10^-16
16
18
20
22
24
26
28
30
42
Incident Energy (MeV)
52-Te-134