

Program EVALPLOT
(Version 2015-2)

by

Dermott E. Cullen
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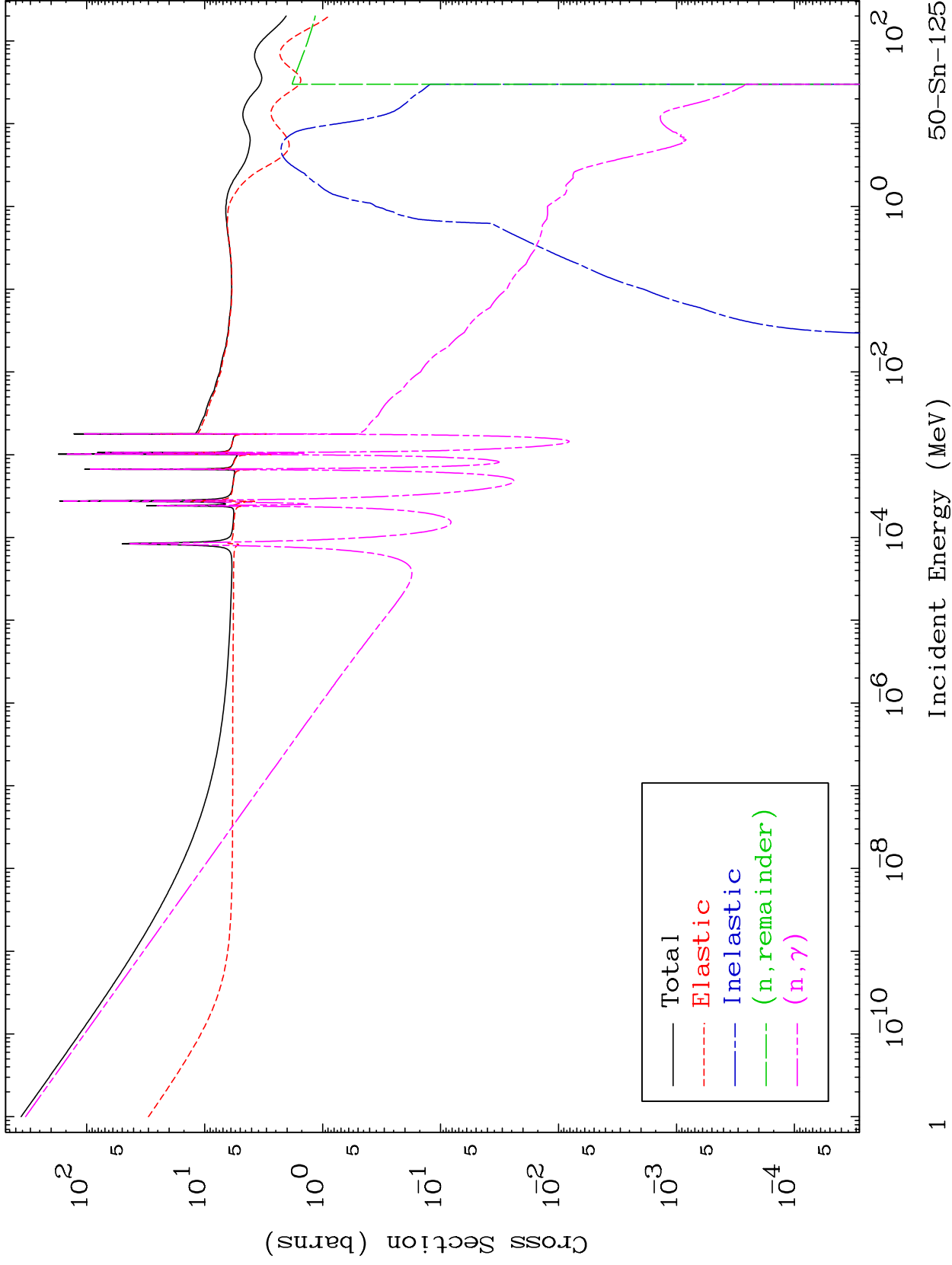
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 5064

Major
293 Kelvin Cross Sections

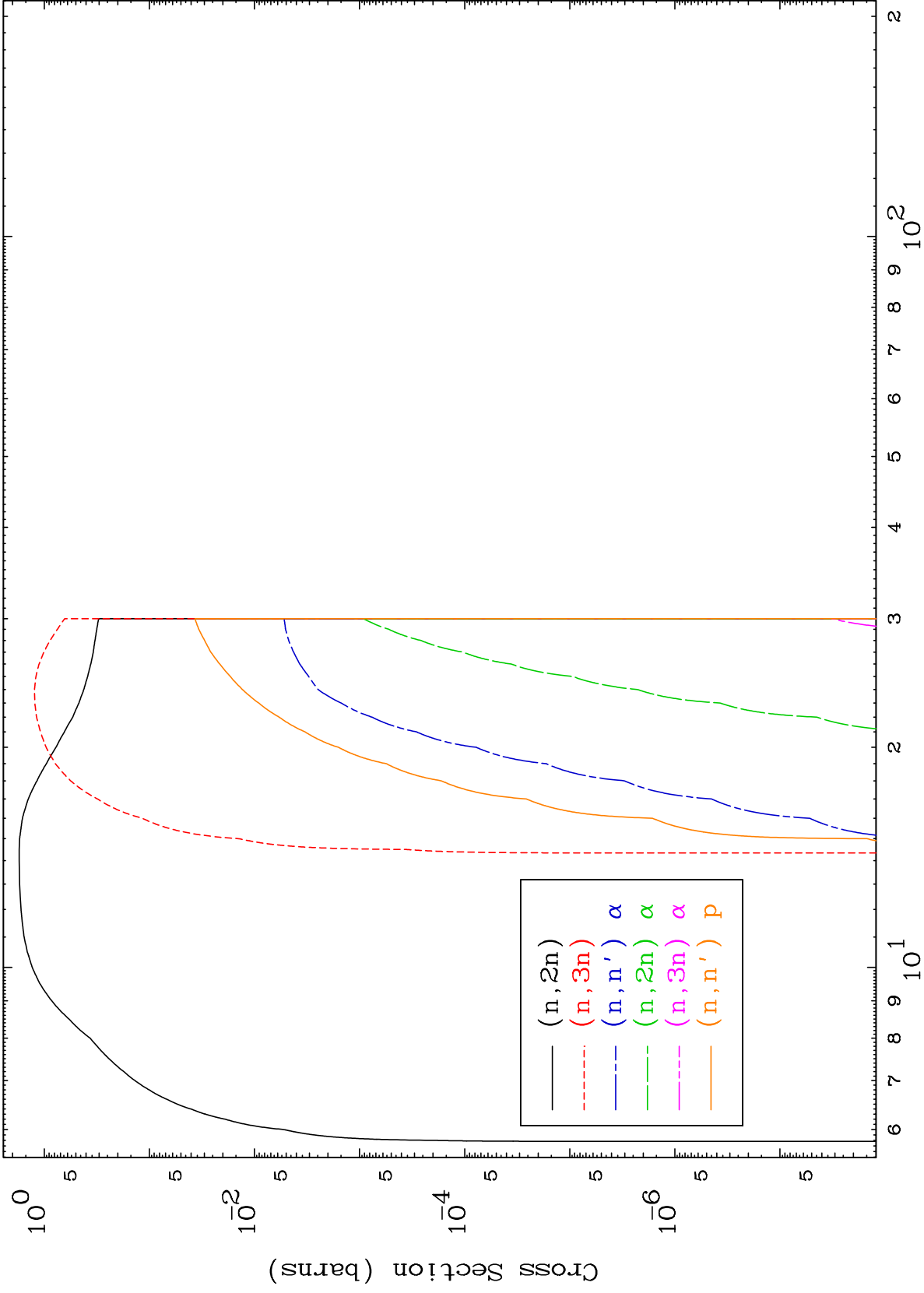
50-Sn-125



MAT 5064

Neutron Production
293 Kelvin Cross Sections

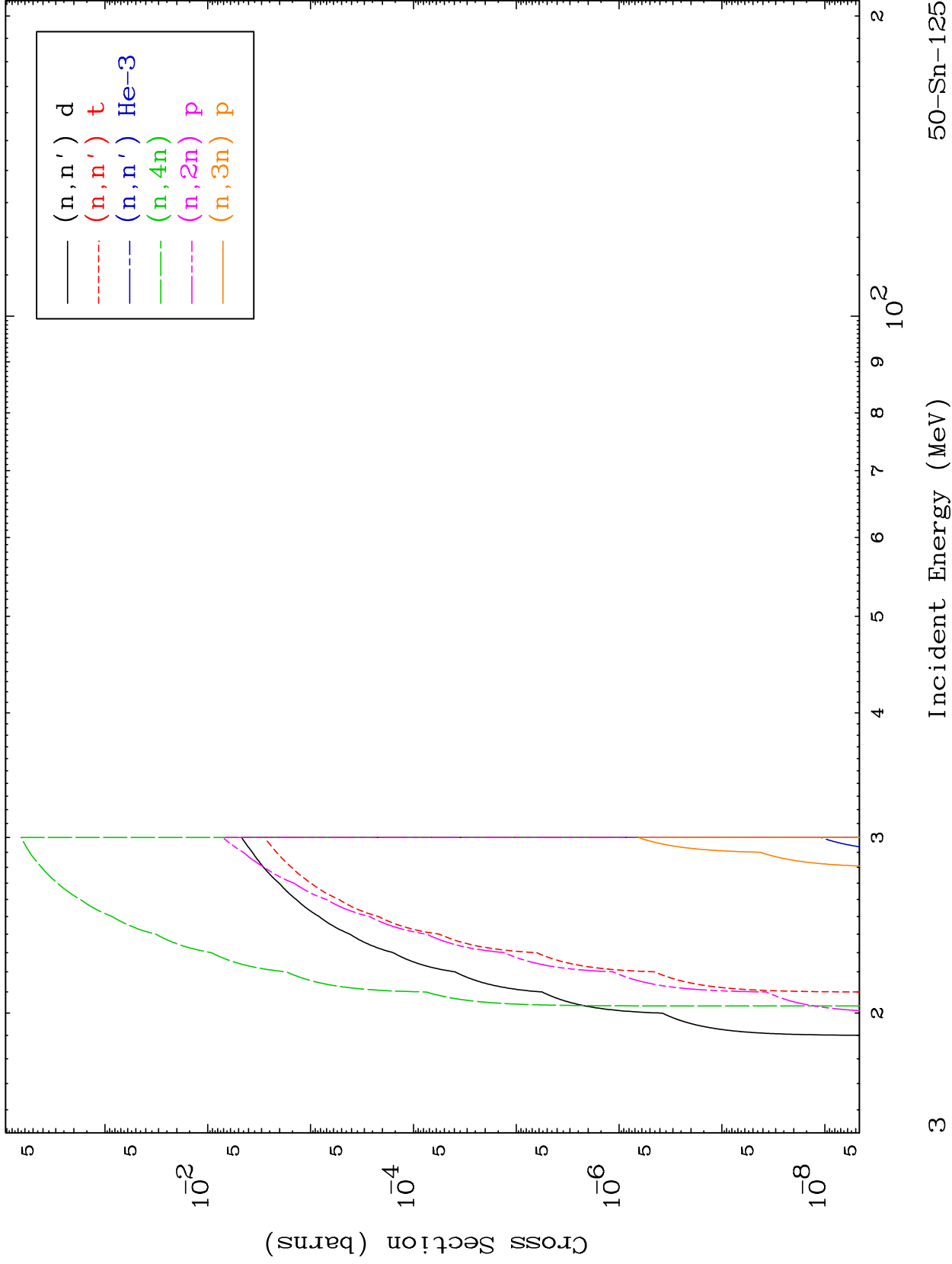
50-Sn-125



2

Incident Energy (MeV)

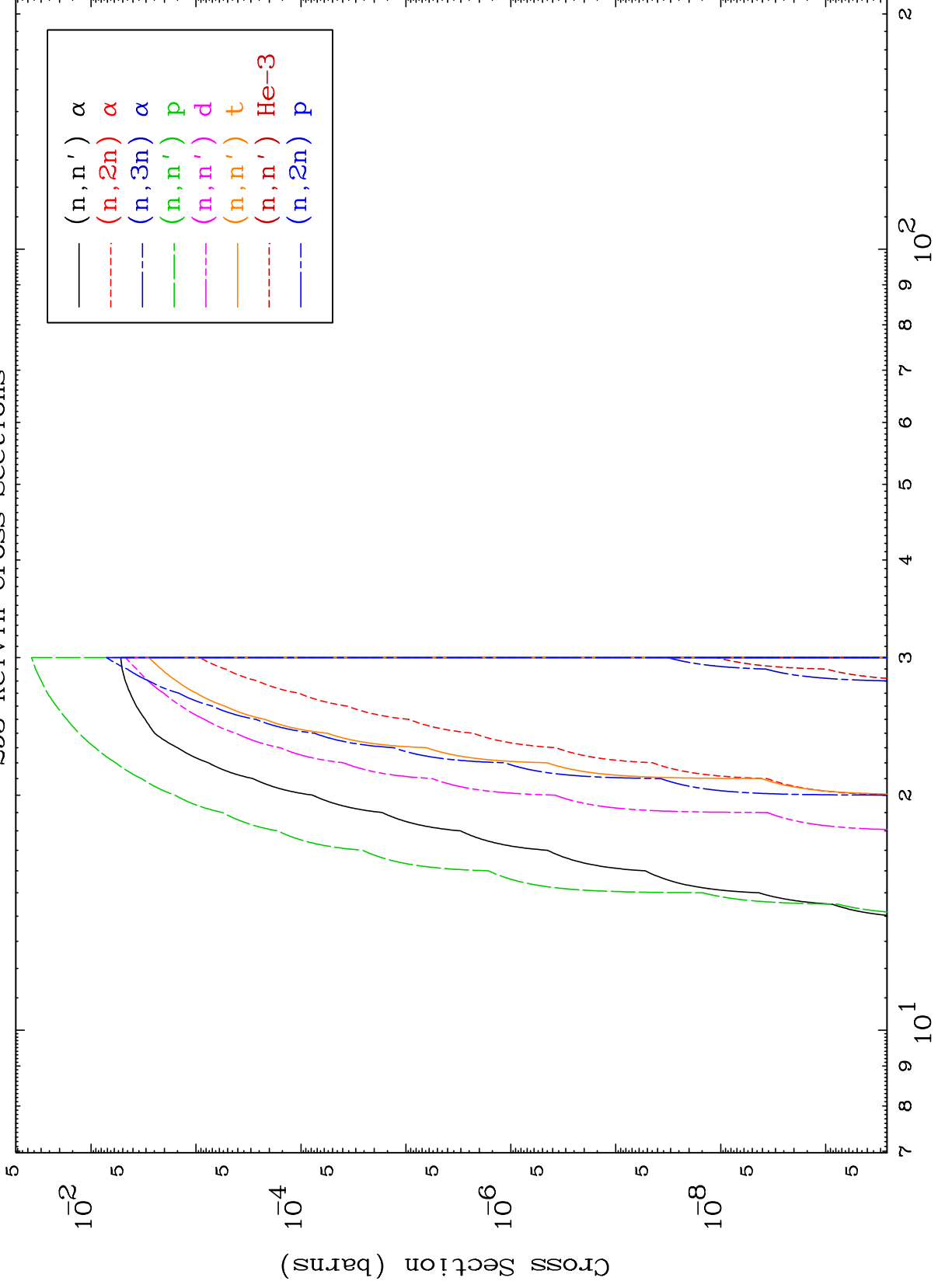
50-Sn-125



MAT 5064

Charged Particle
293 Kelvin Cross Sections

50-Sn-125



4

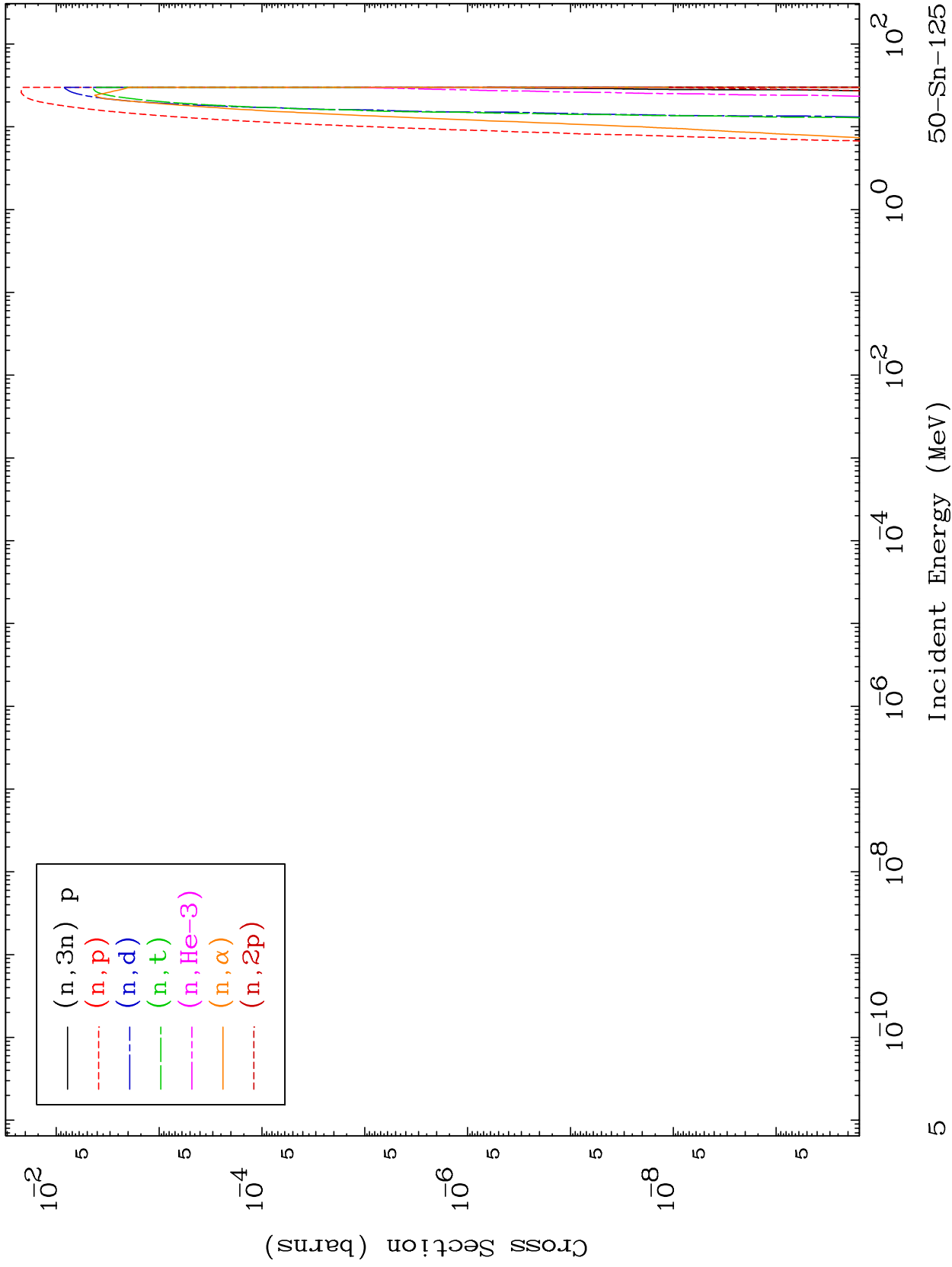
Incident Energy (MeV)

50-Sn-125

MAT 5064

Charged Particle
293 Kelvin Cross Sections

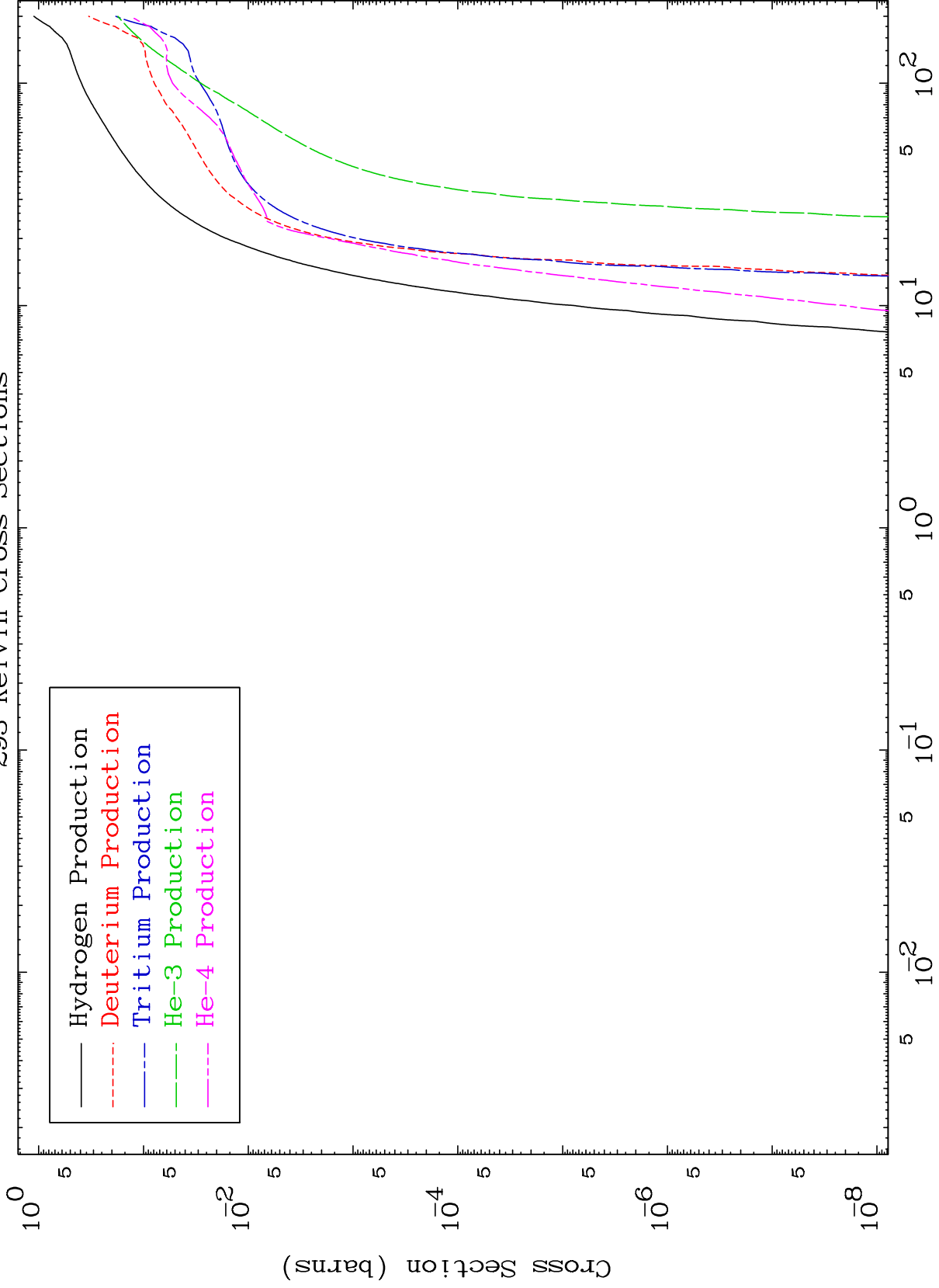
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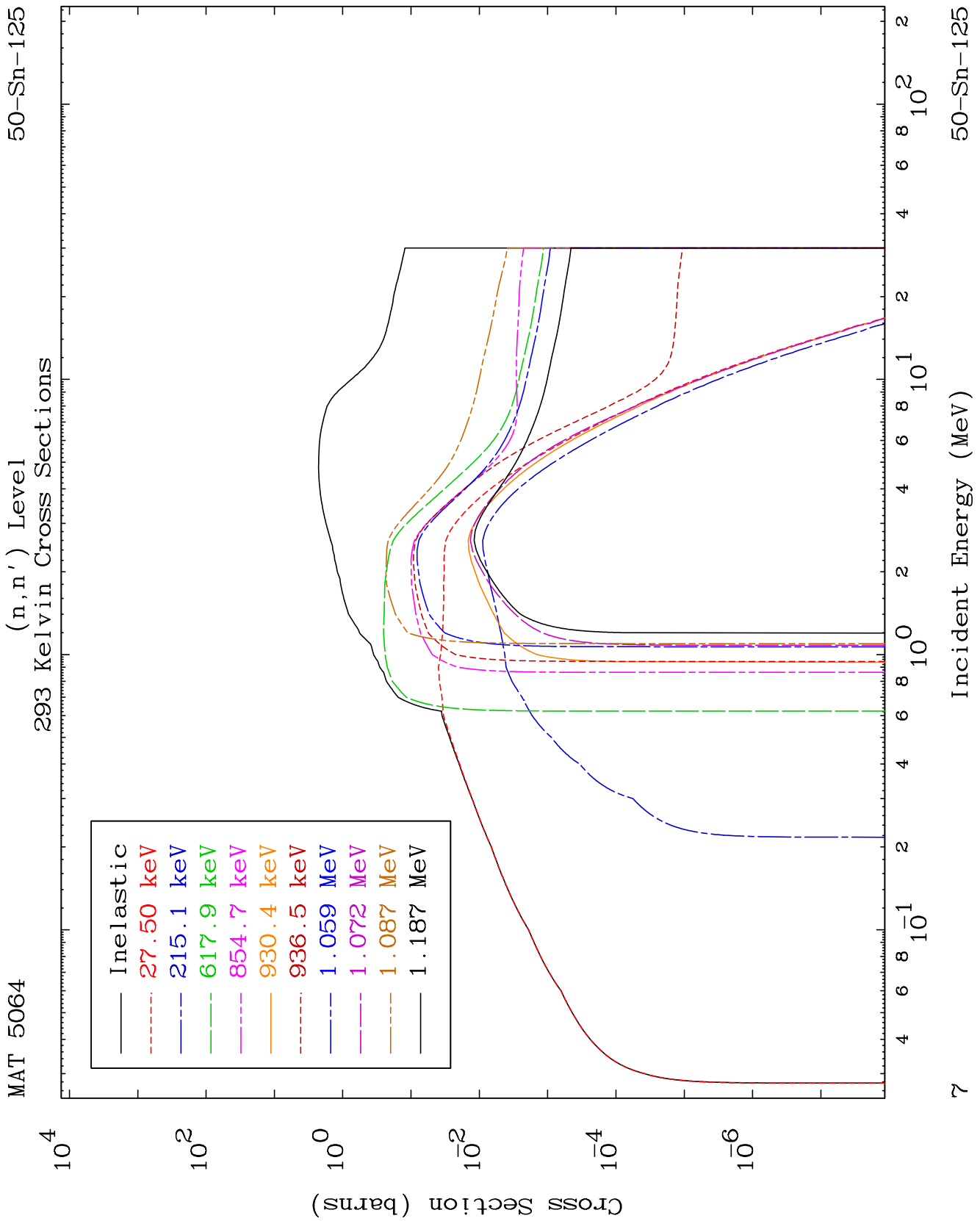


MAT 5064

Particle Production
293 Kelvin Cross Sections

50-Sn-125

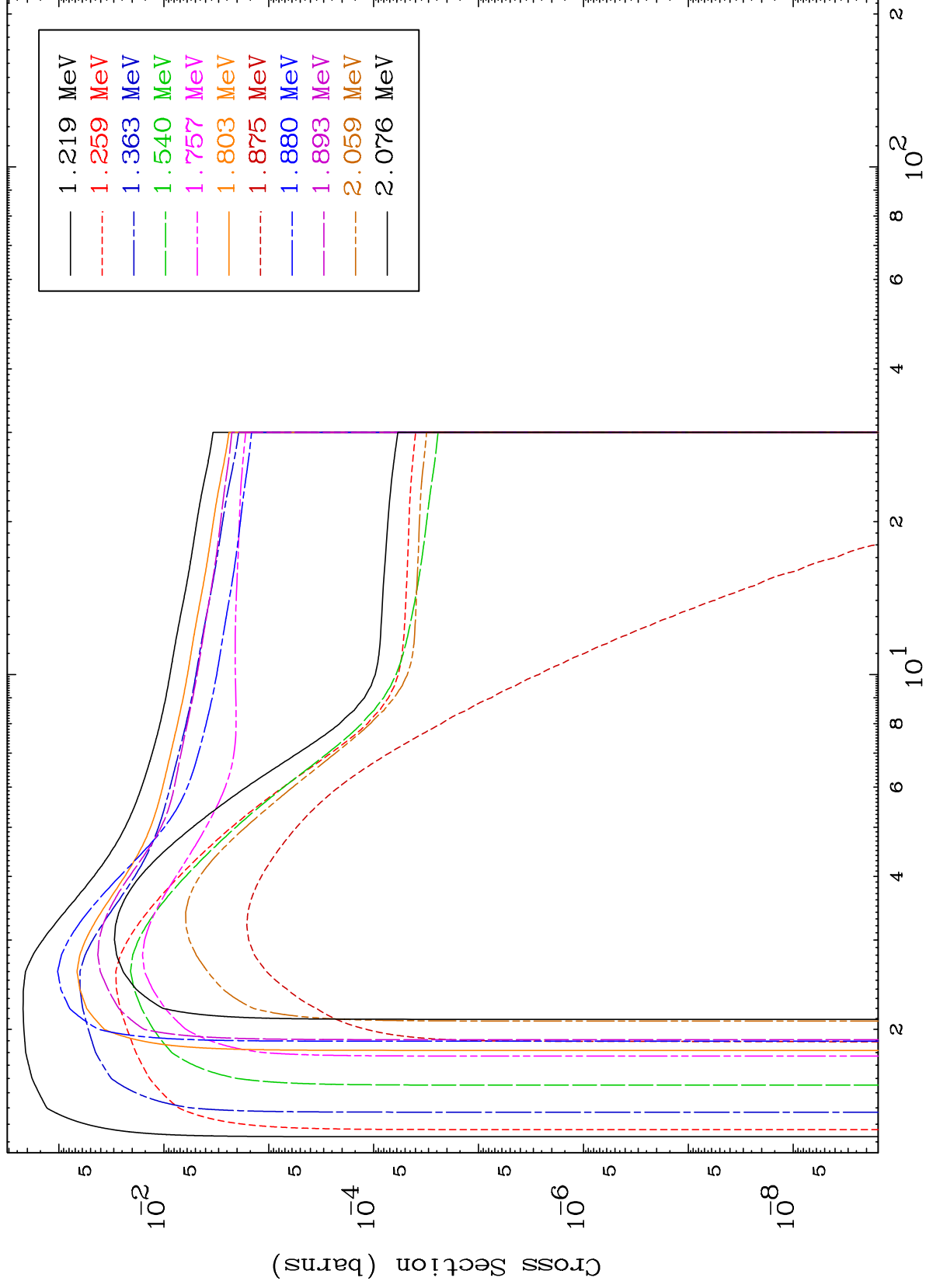




MAT 5064

(n,n') Level
293 Kelvin Cross Sections

50-Sn-125



8

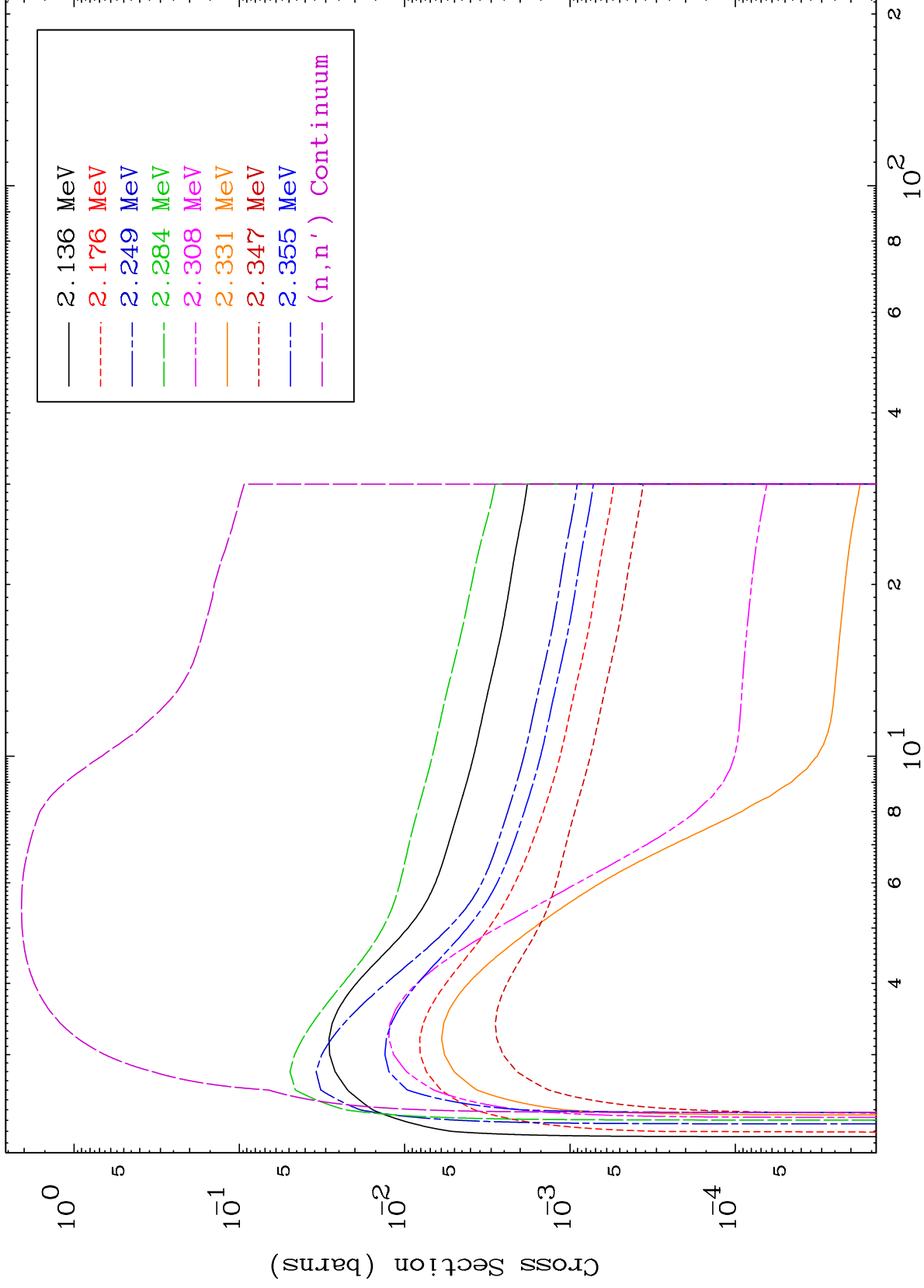
Incident Energy (MeV)

50-Sn-125

MAT 5064

(n,n') Level
293 Kelvin Cross Sections

50-Sn-125



9

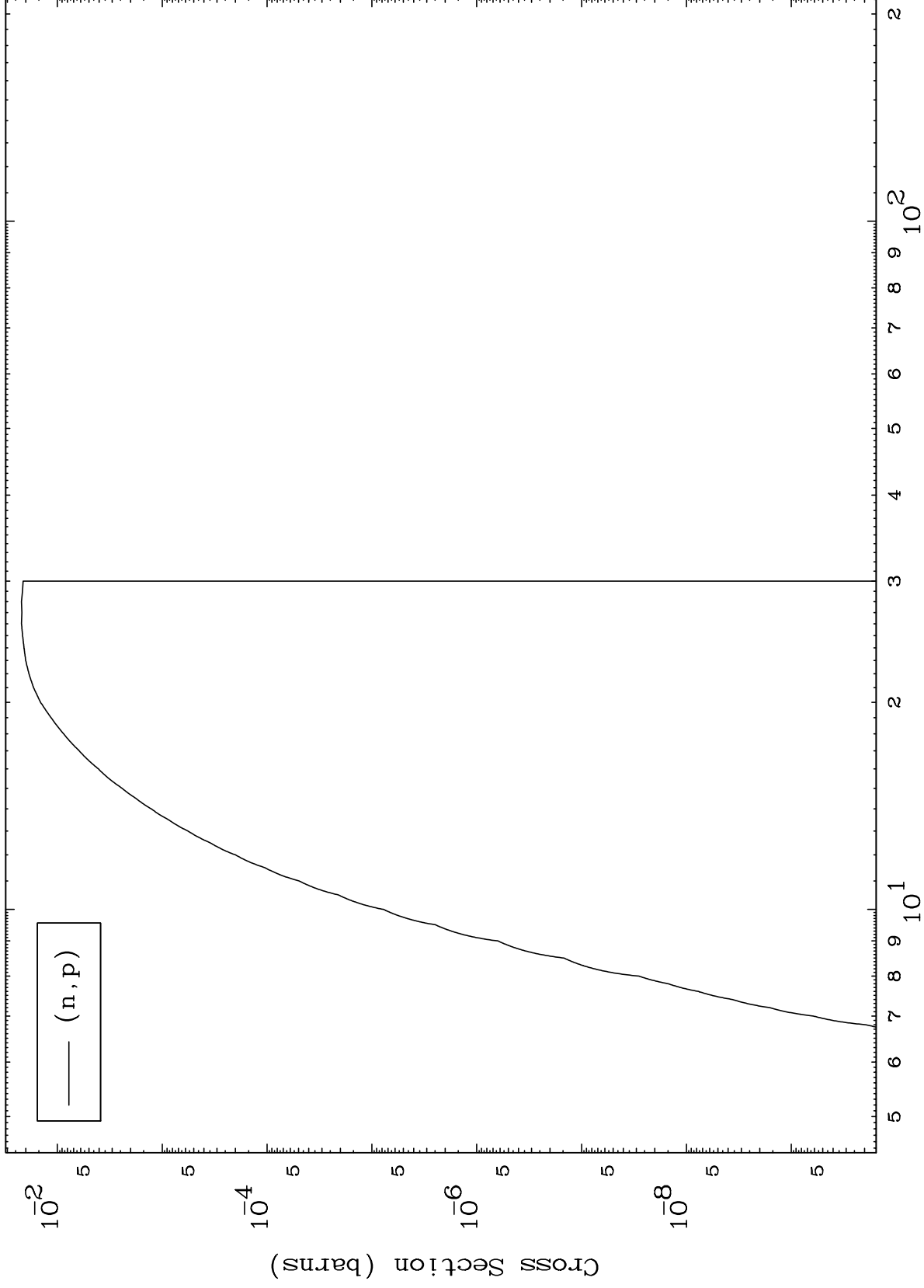
Incident Energy (MeV)

50-Sn-125

MAT 5064

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-125



10

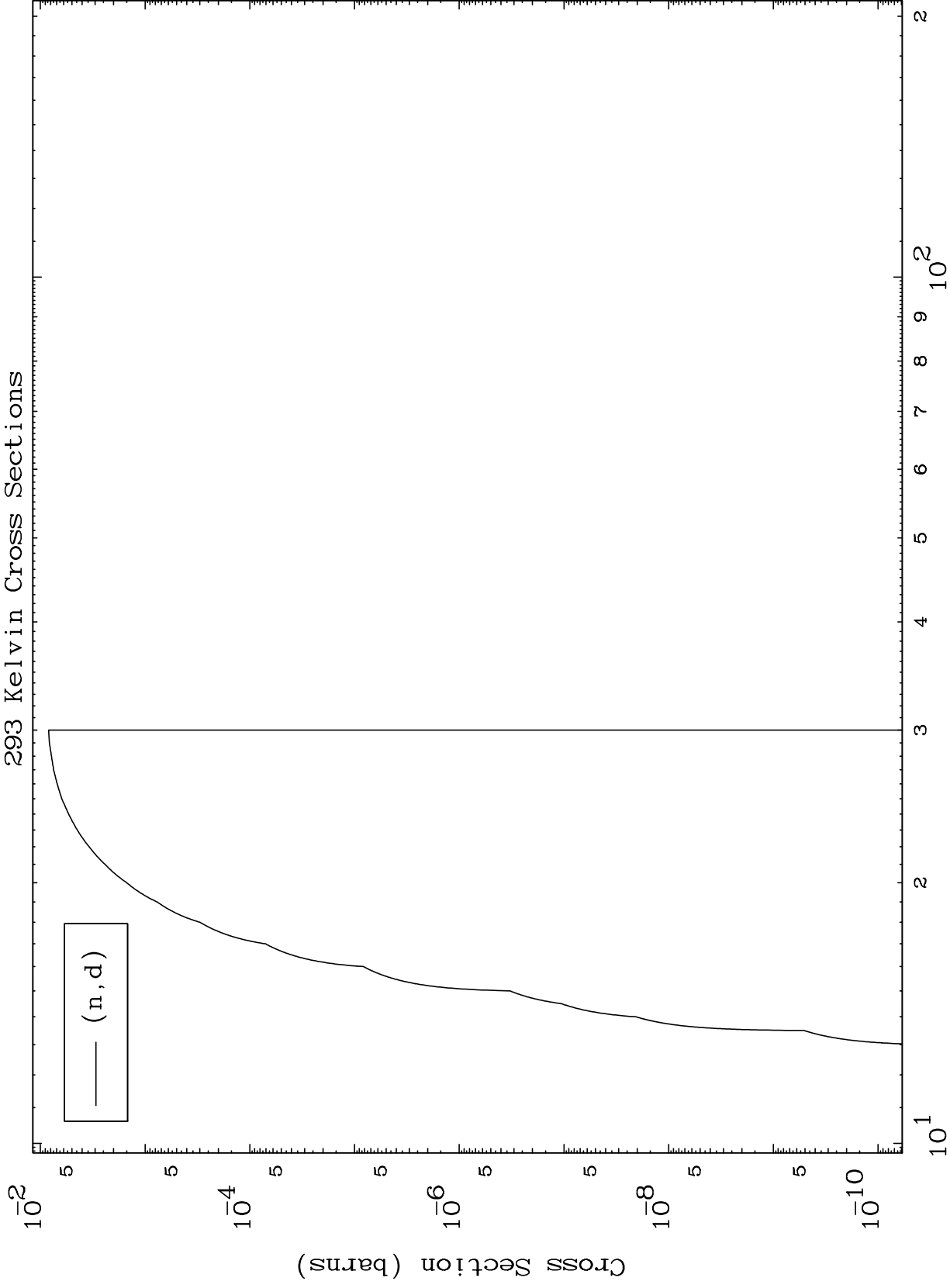
Incident Energy (MeV)

50-Sn-125

MAT 5064

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-125



Incident Energy (MeV)

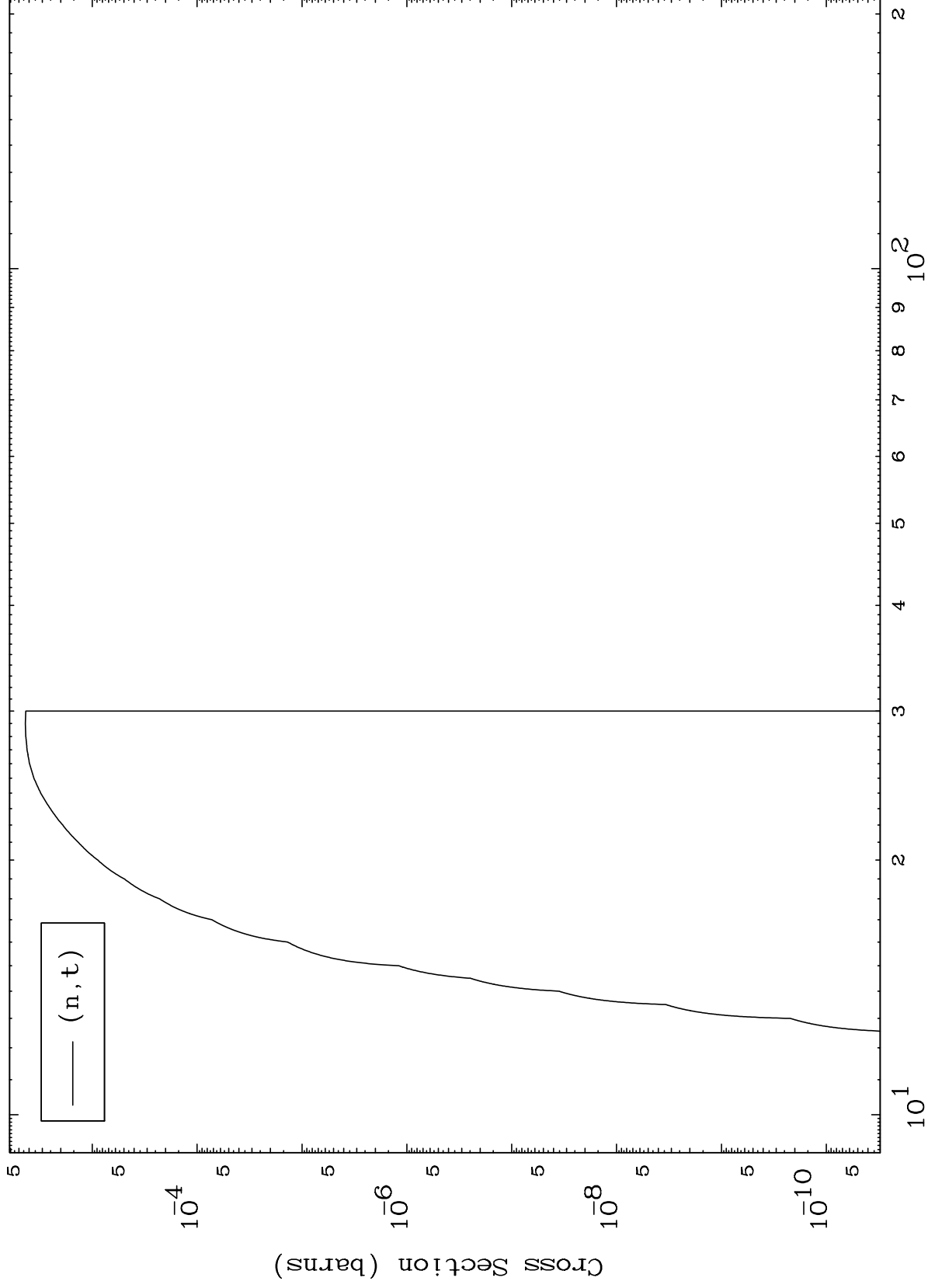
50-Sn-125

11

MAT 5064

(n,t) Levels
293 Kelvin Cross Sections

50-Sn-125



12

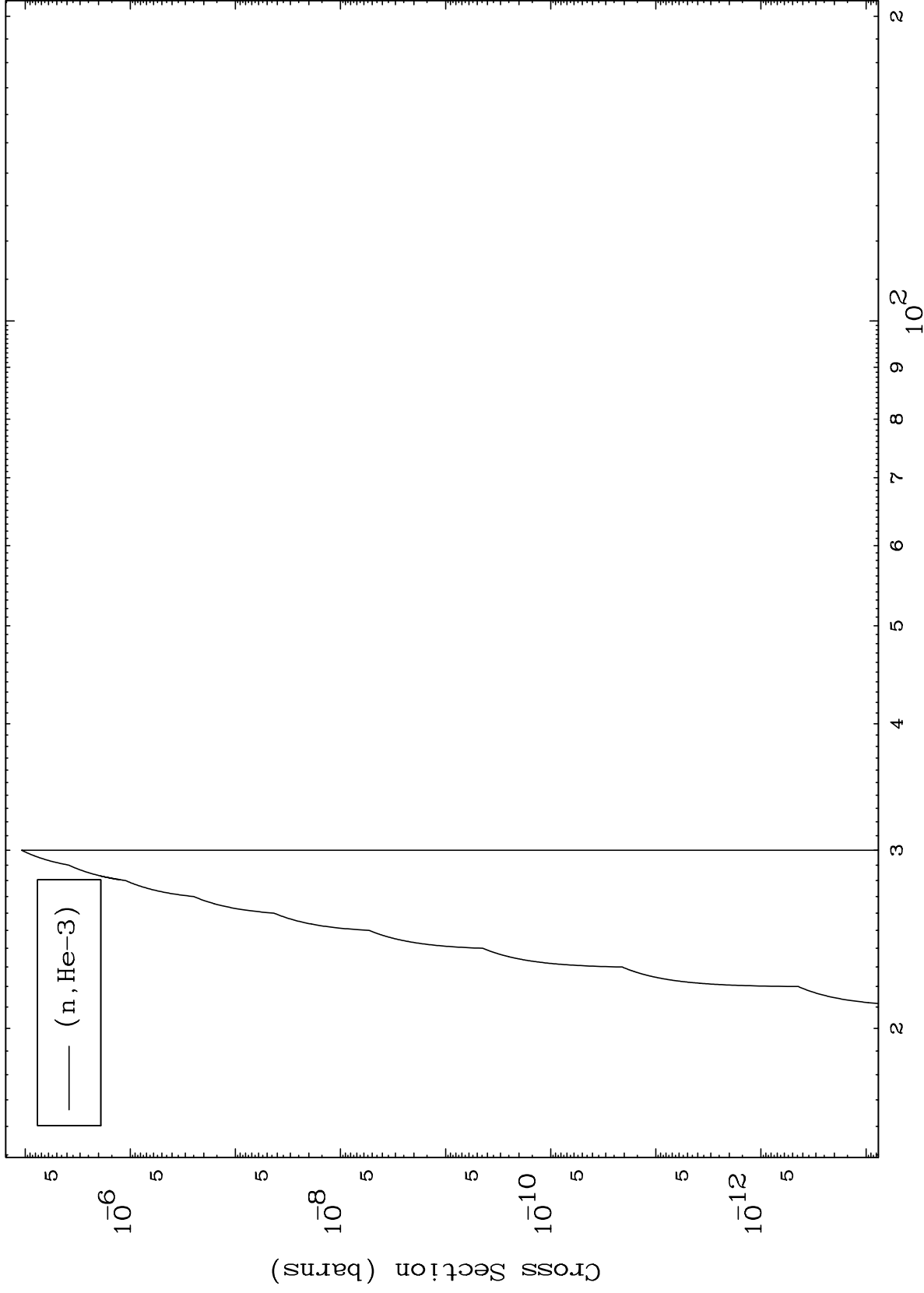
Incident Energy (MeV)

50-Sn-125

MAT 5064

(n,He3) Levels
293 Kelvin Cross Sections

50-Sn-125



13

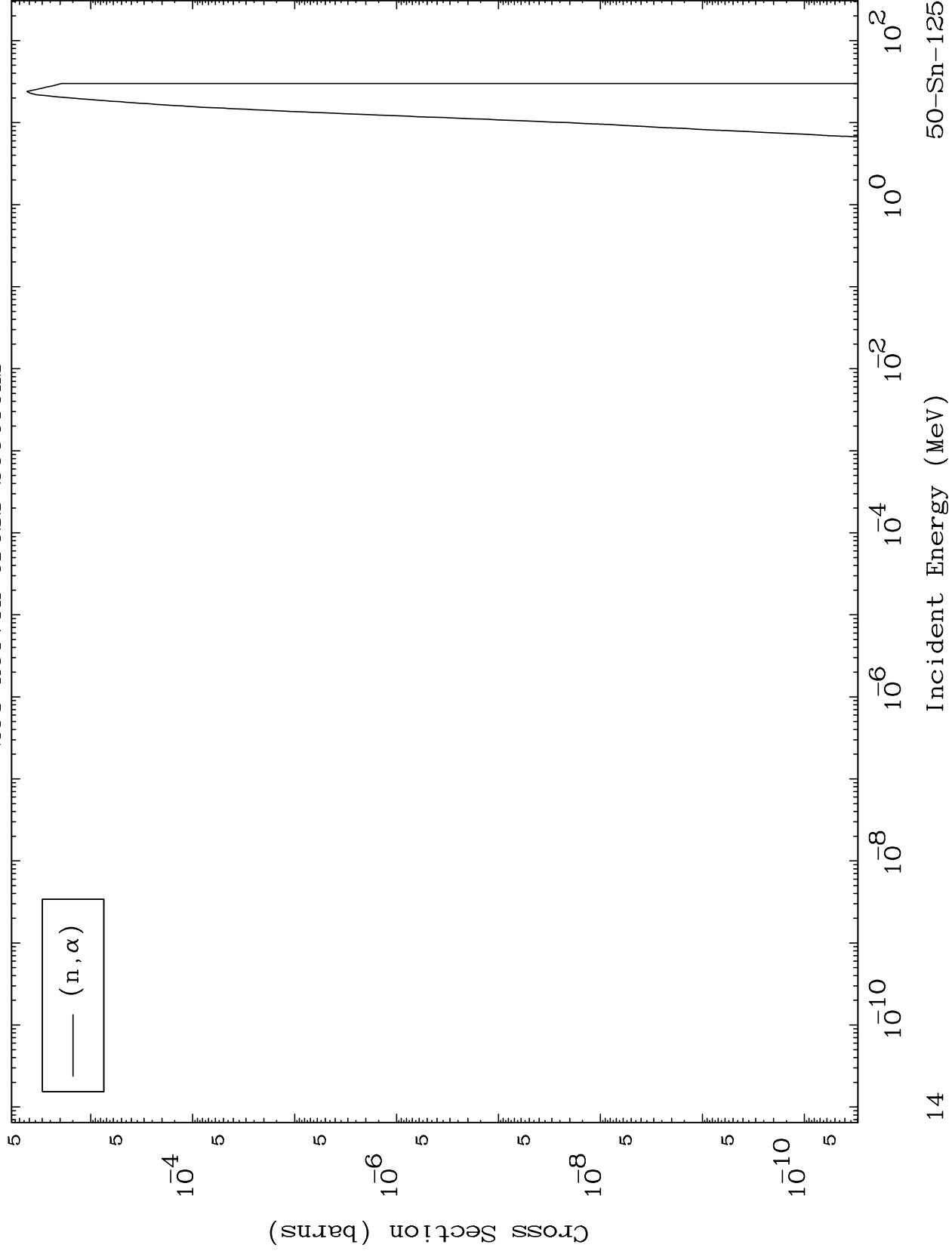
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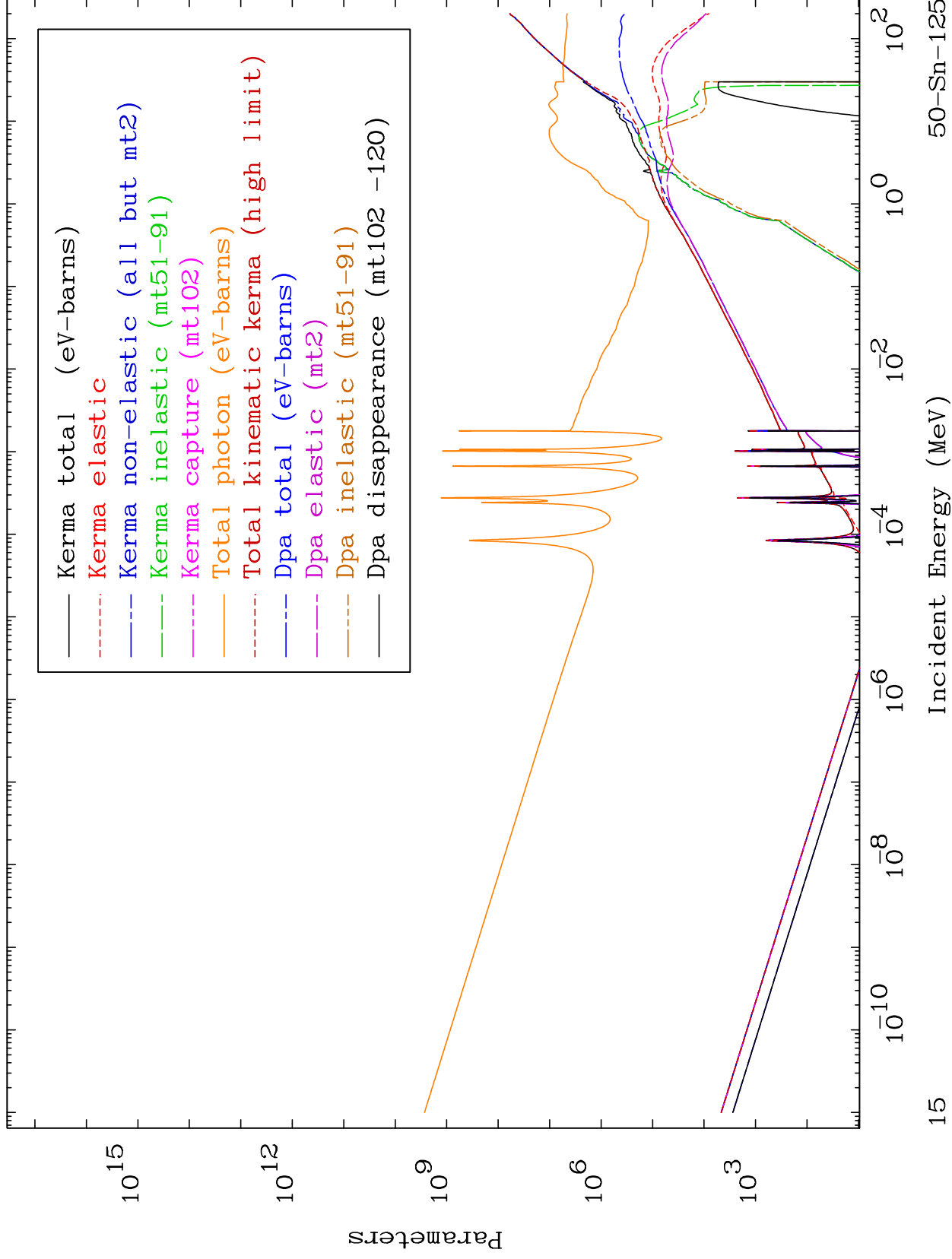
50-Sn-125

MAT 5064

(n, α) Levels
293 Kelvin Cross Sections

50-Sn-125

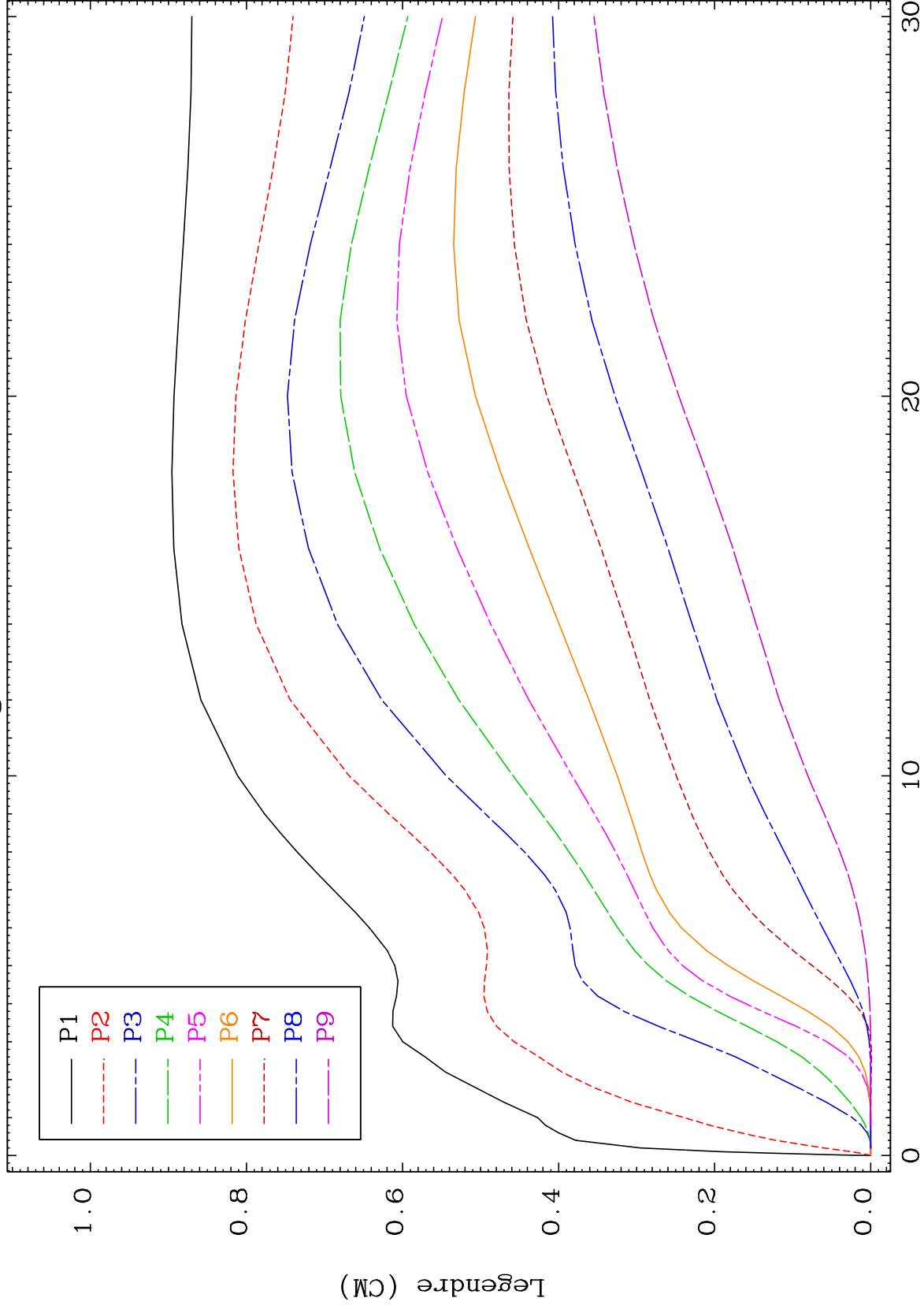




MAT 5064

Elastic Legendre Coefficients

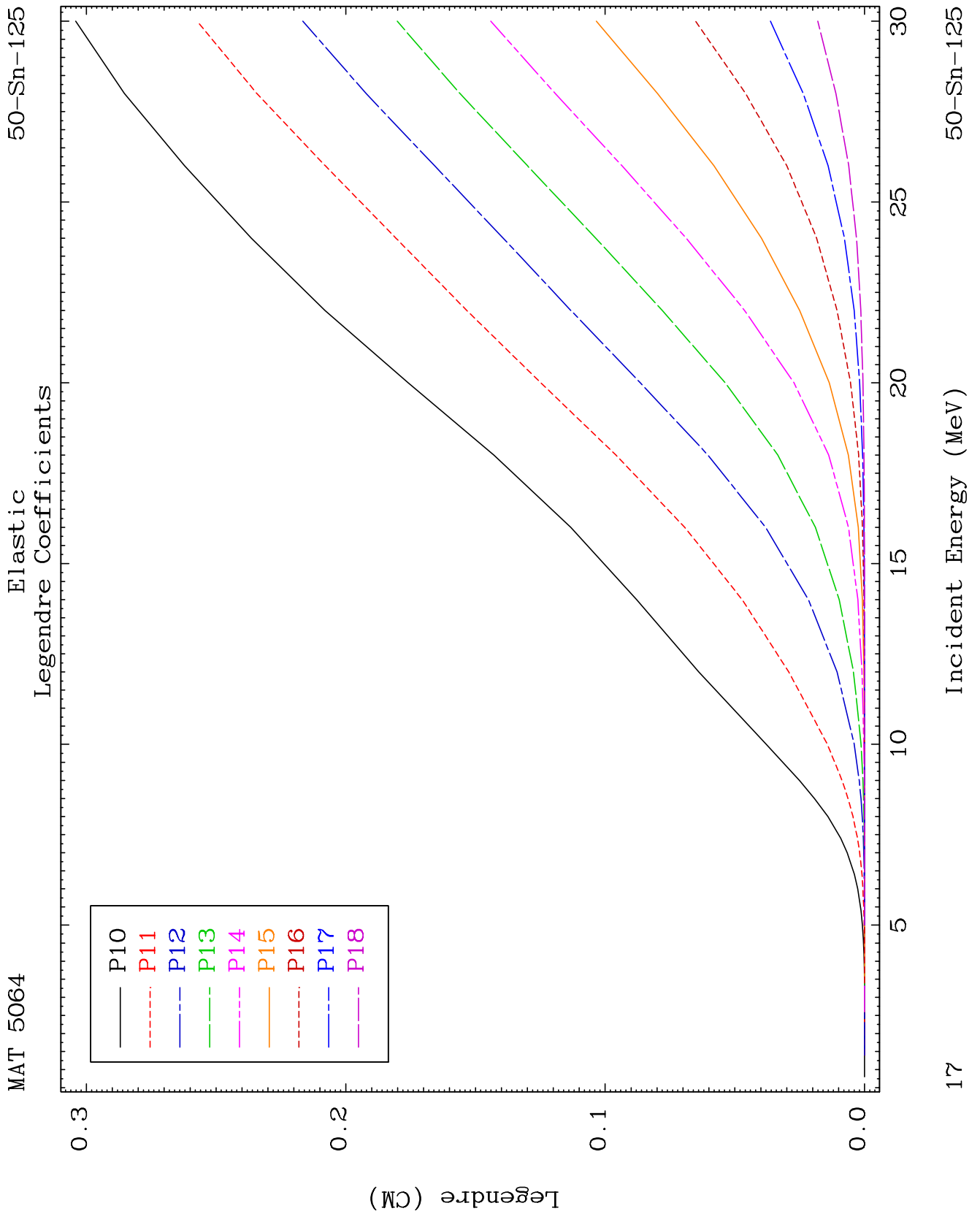
50-Sn-125



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Incident Energy (MeV)

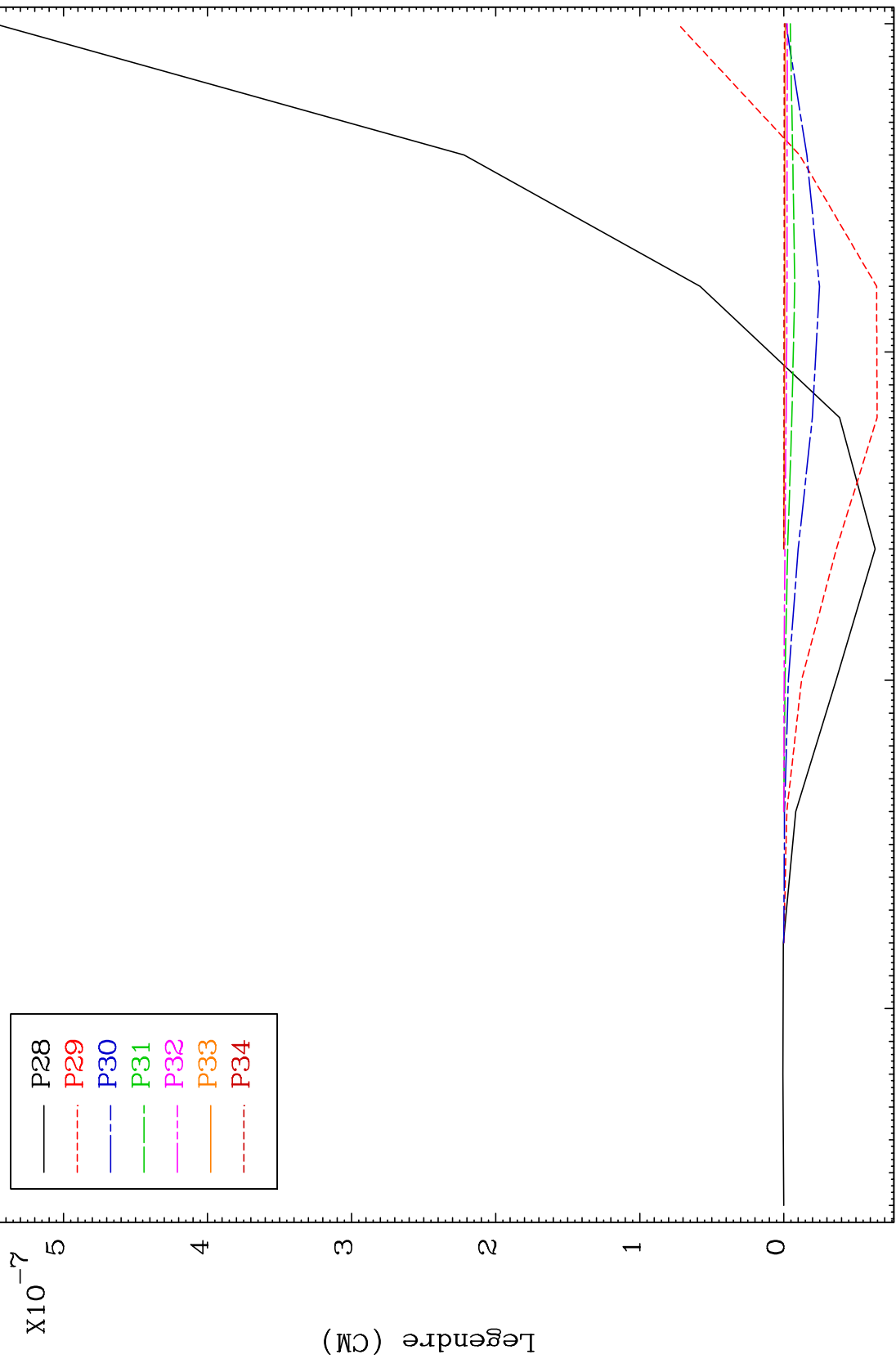
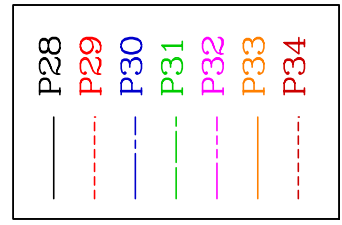
50-Sn-125



MAT 5064

Elastic
Legendre Coefficients

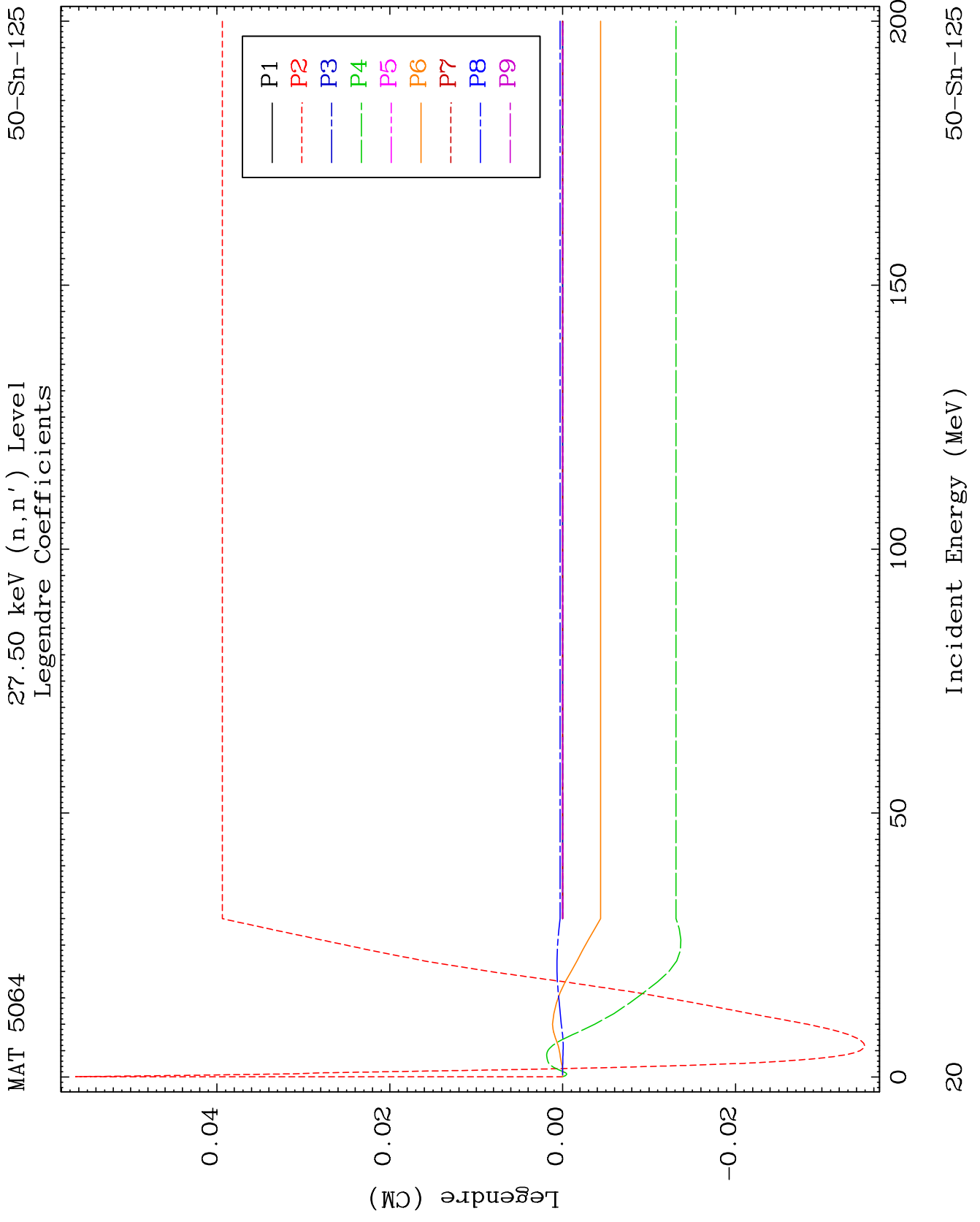
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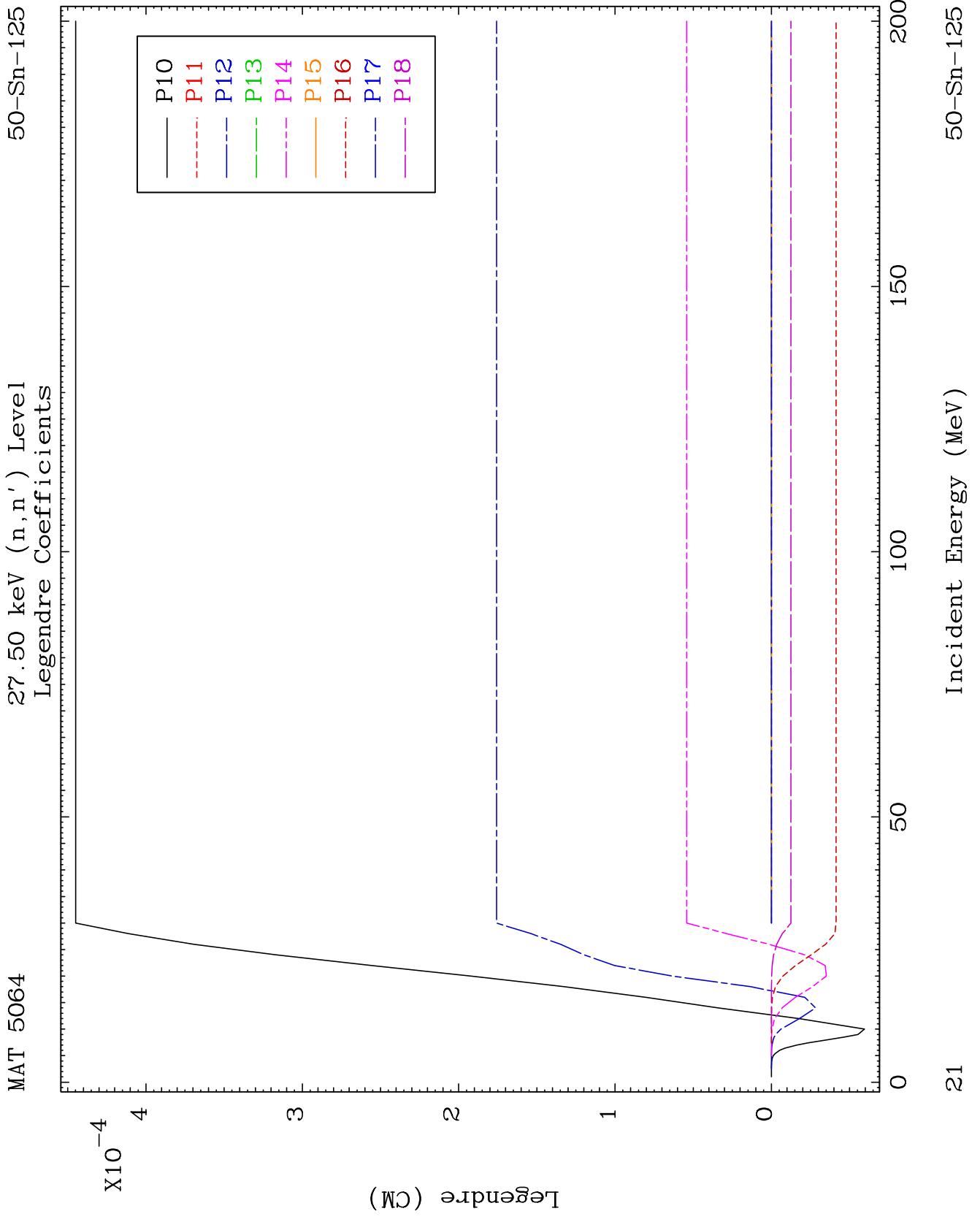


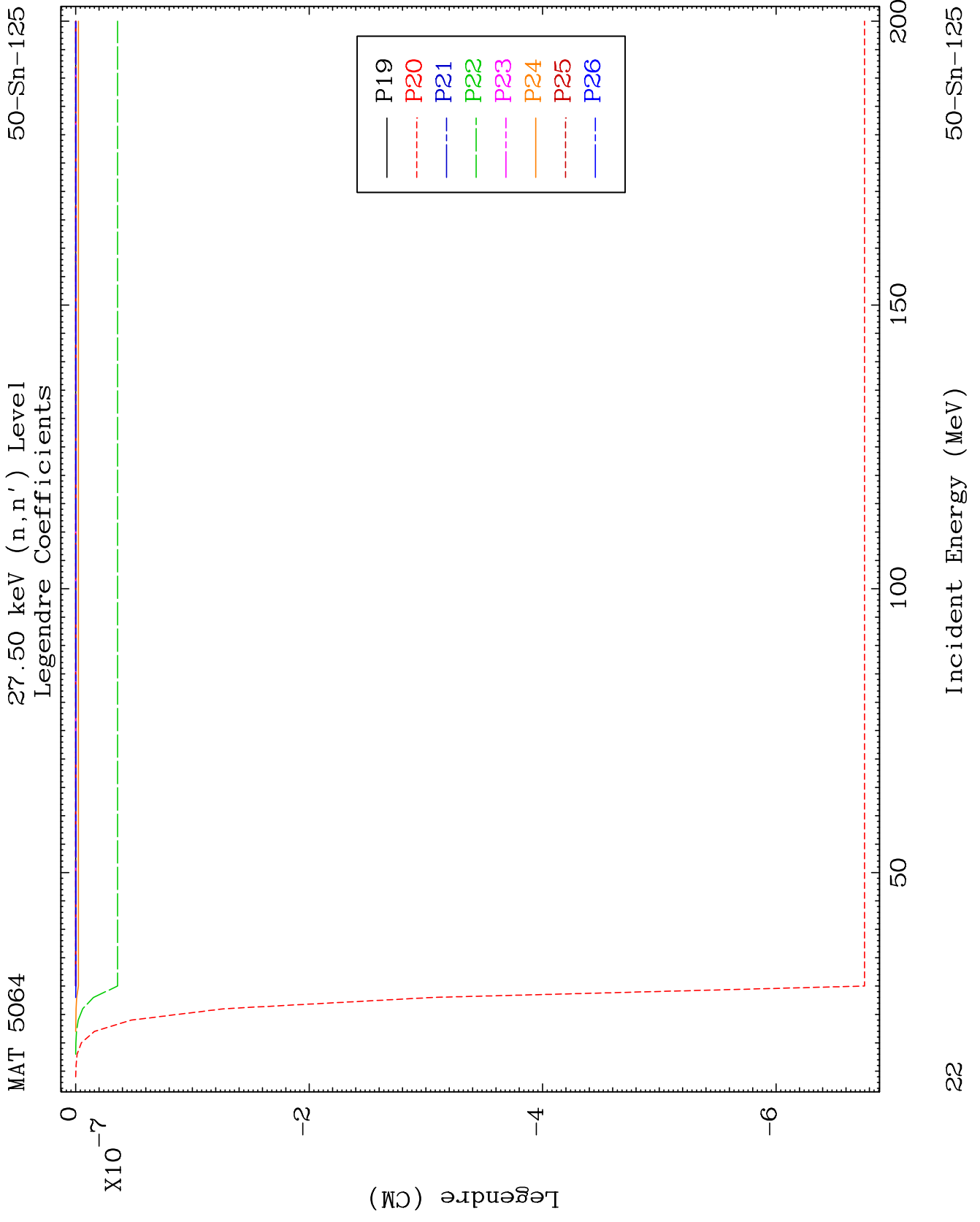
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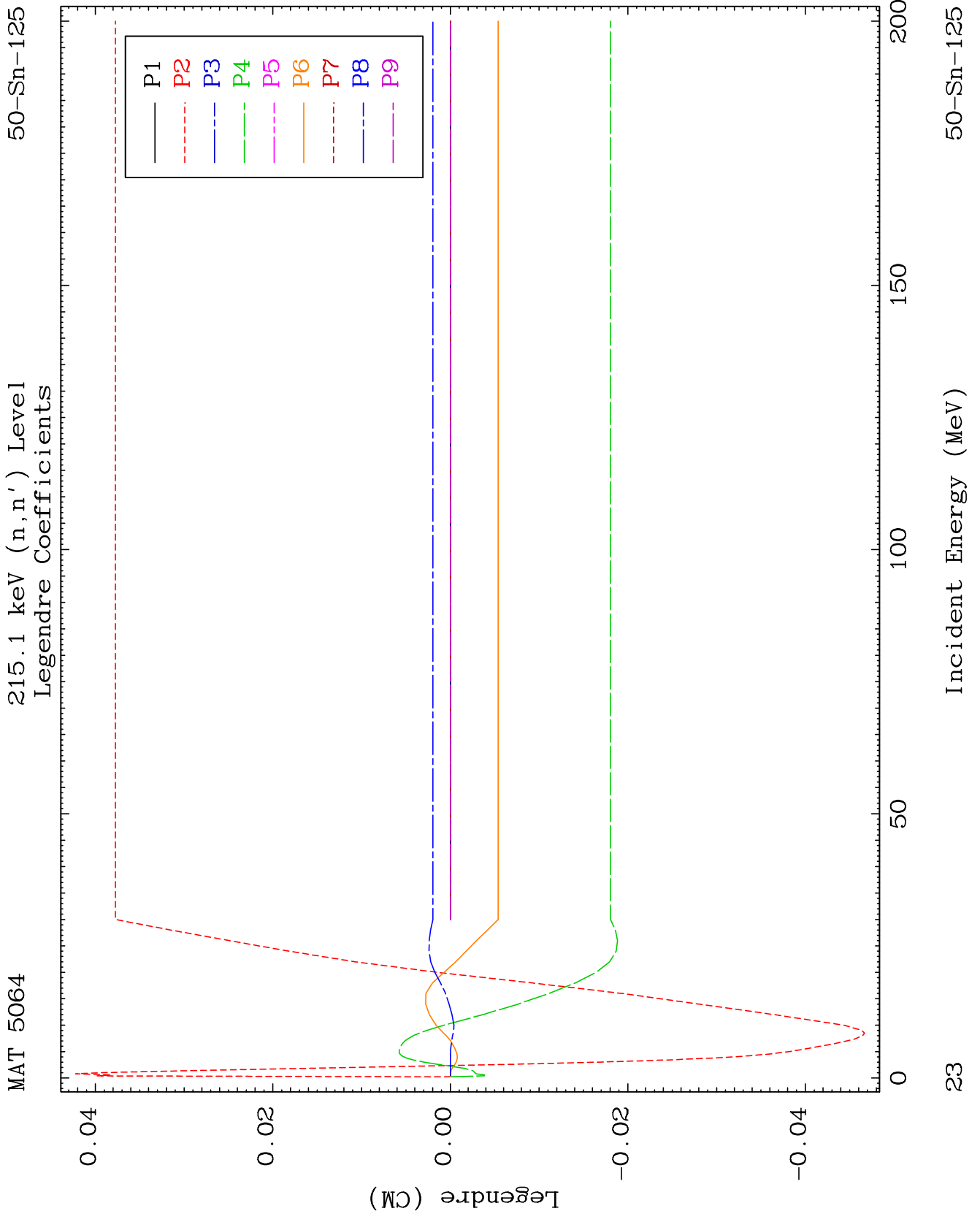
Incident Energy (MeV)

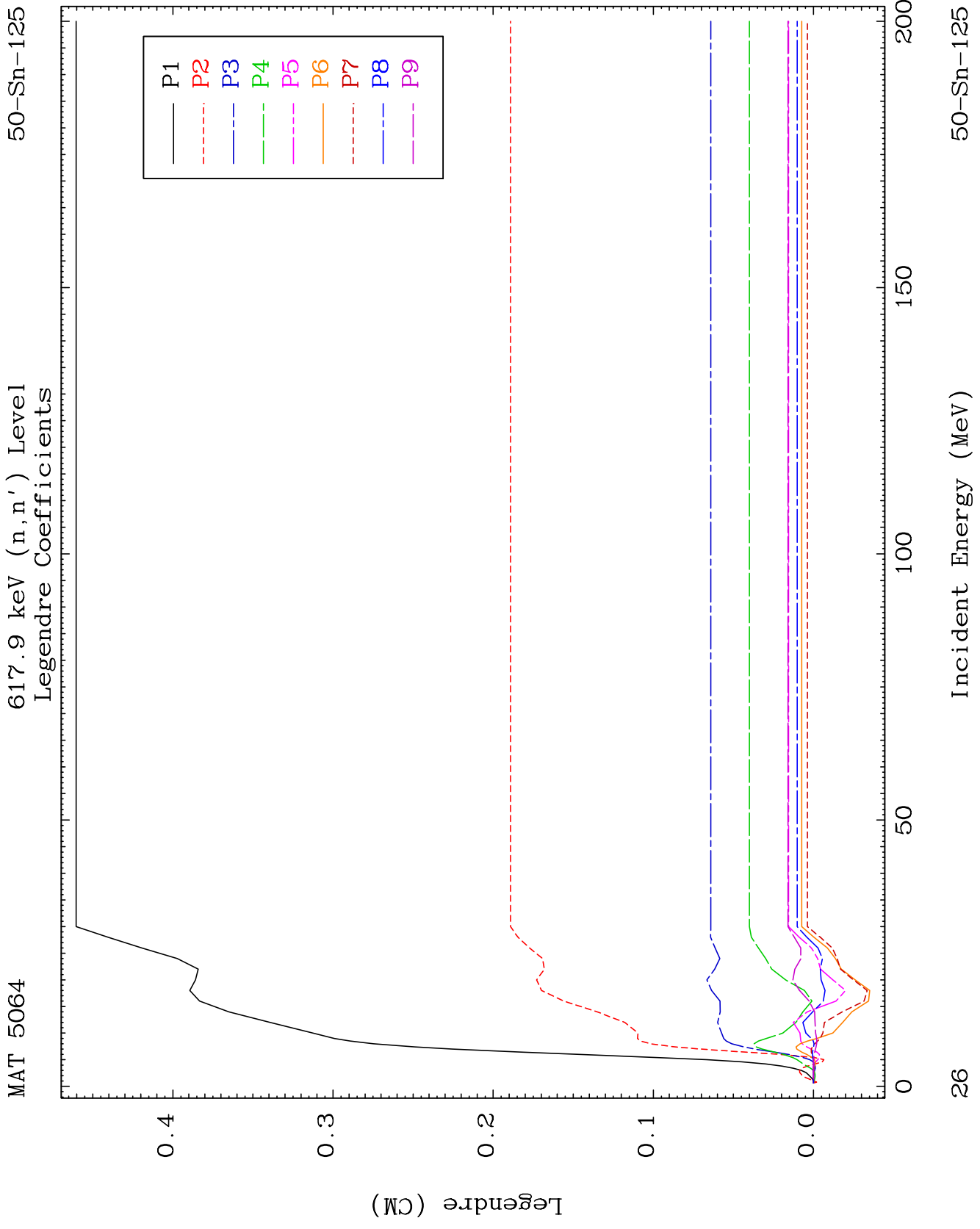
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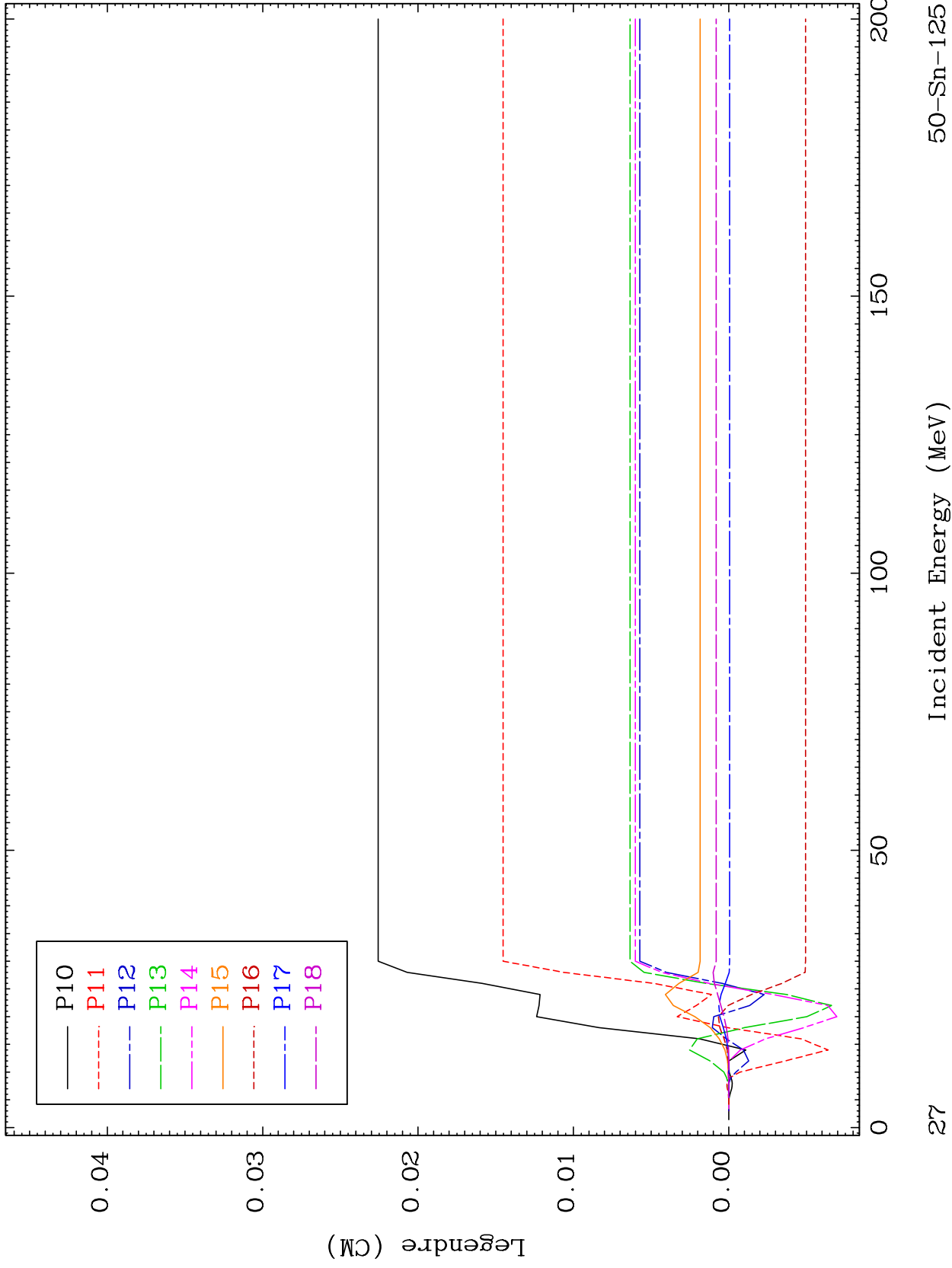




MAT 5064

617.9 keV (n,n') Level
Legendre Coefficients

50-Sn-125



27

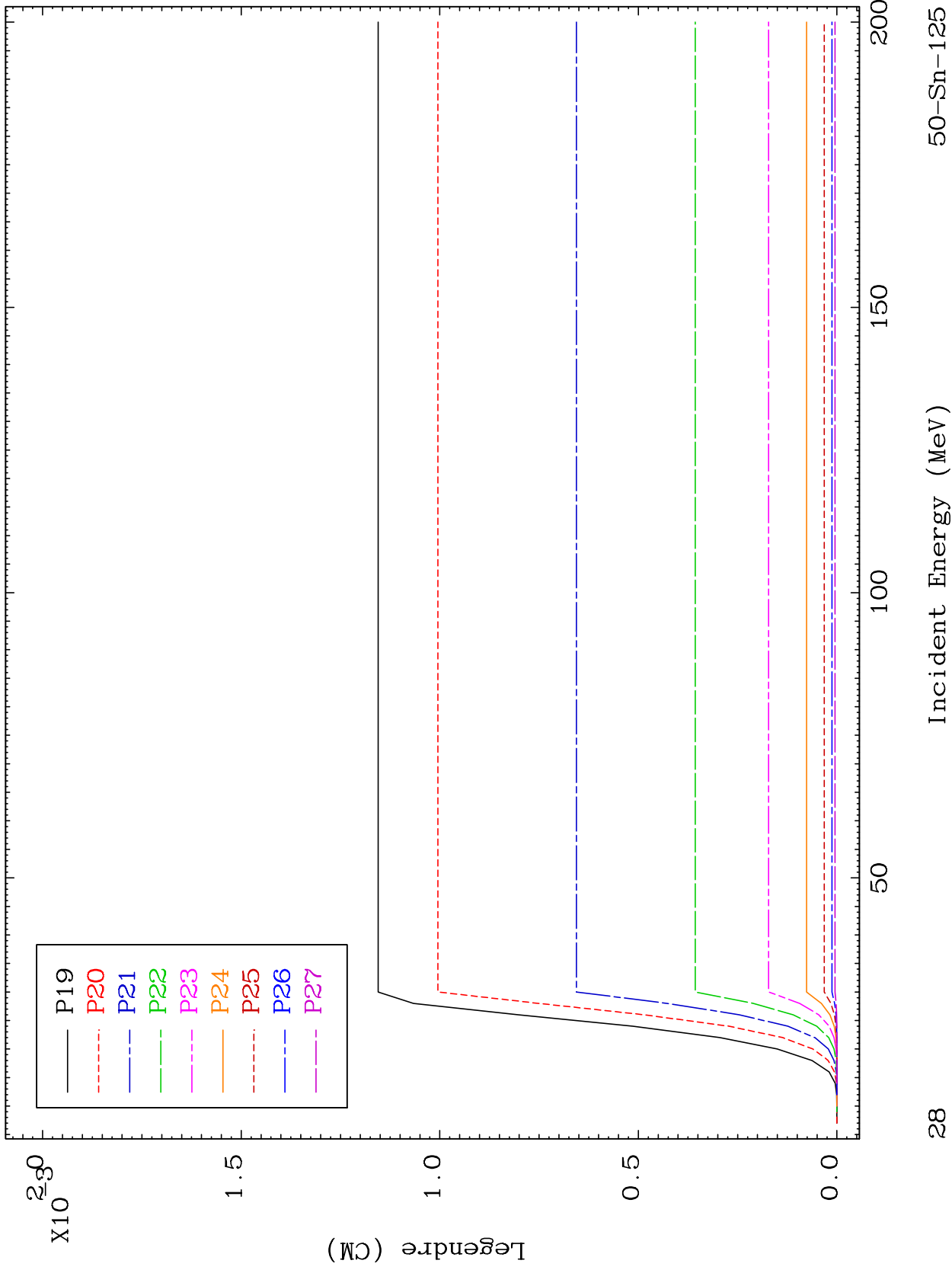
Incident Energy (MeV)

50-Sn-125

MAT 5064

617.9 keV (n,n') Level
Legendre Coefficients

50-Sn-125



28

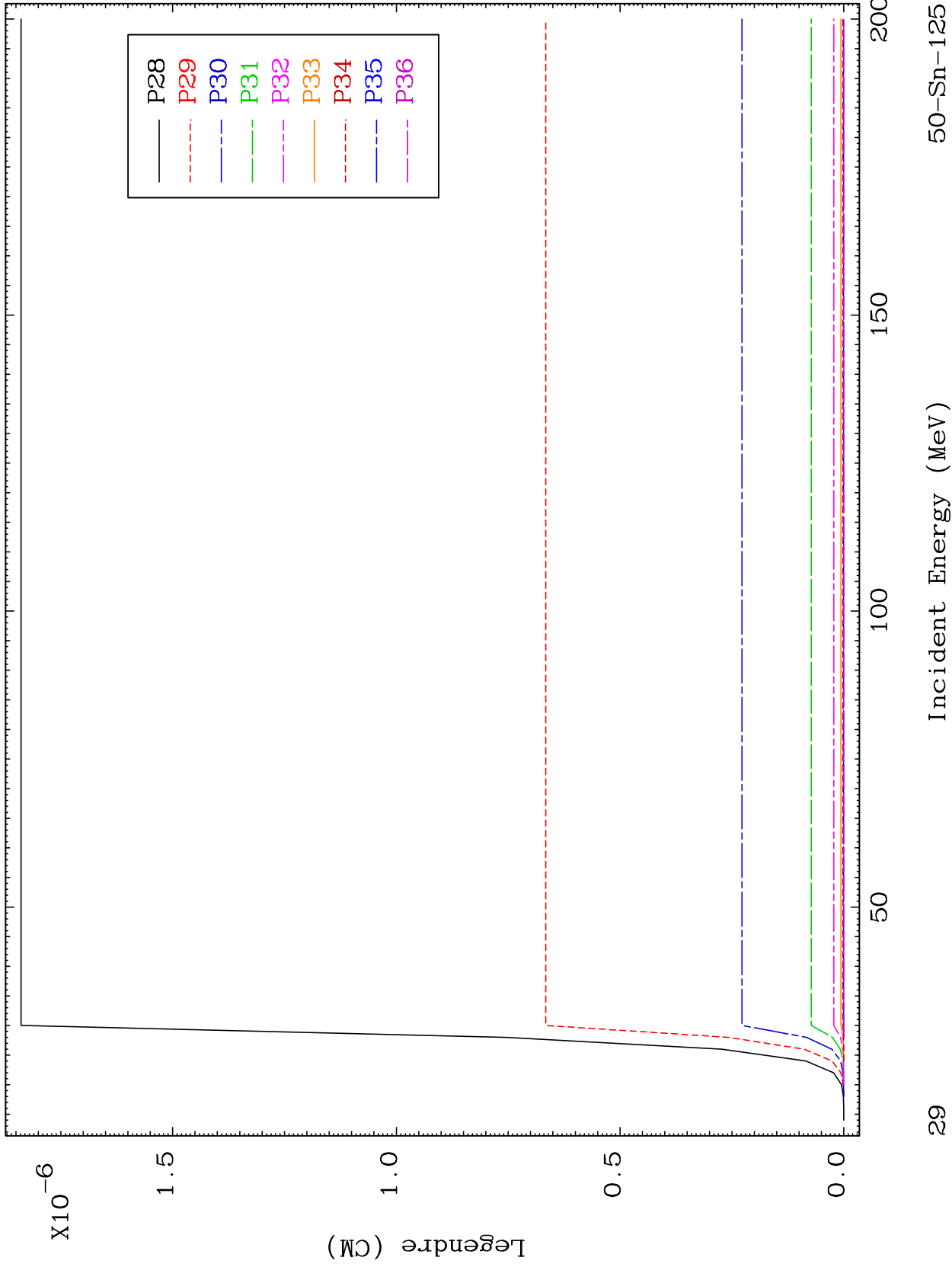
Incident Energy (MeV)

50-Sn-125

MAT 5064

617.9 keV (n,n') Level
Legendre Coefficients

50-Sn-125

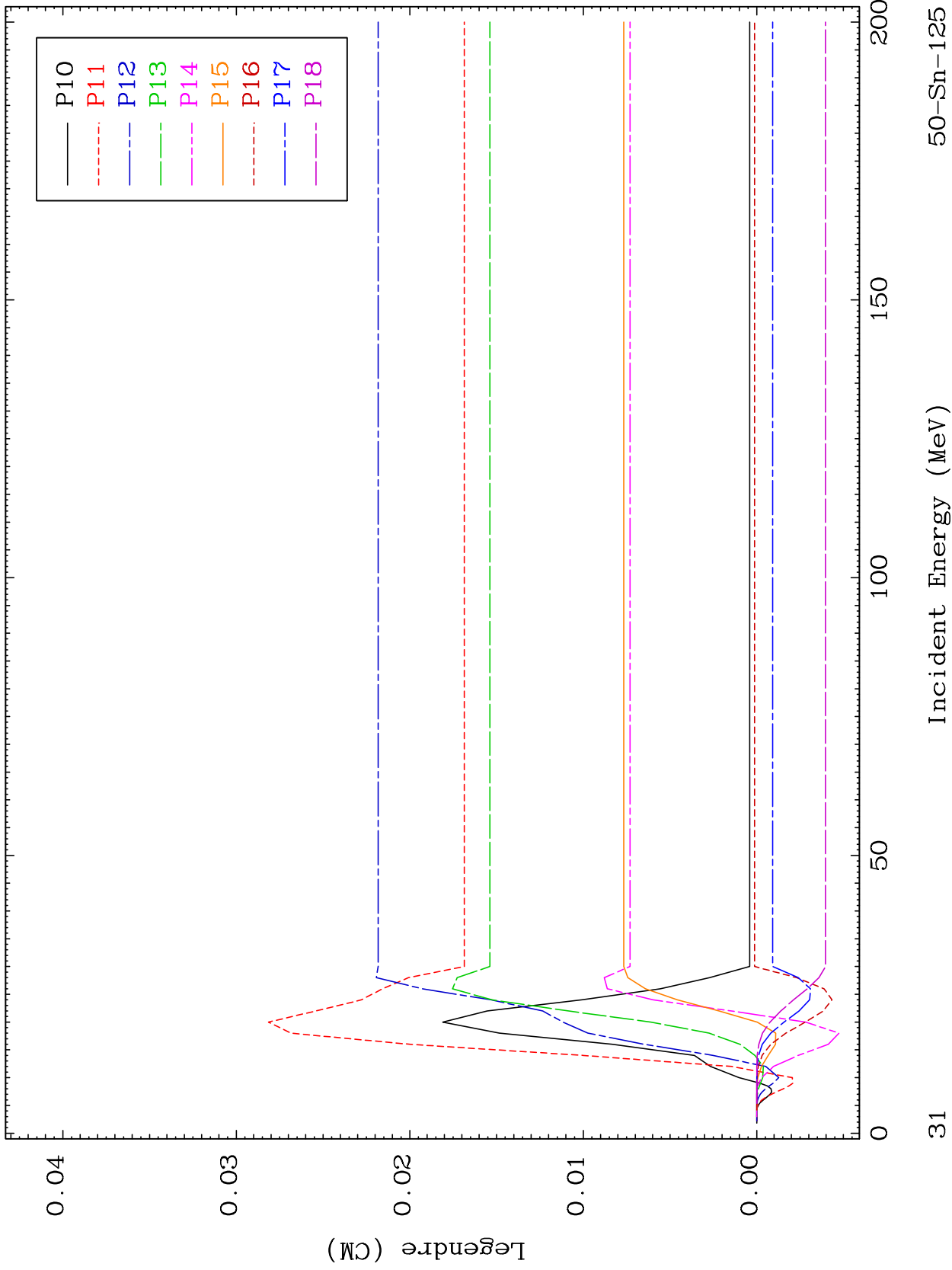


29

MAT 5064

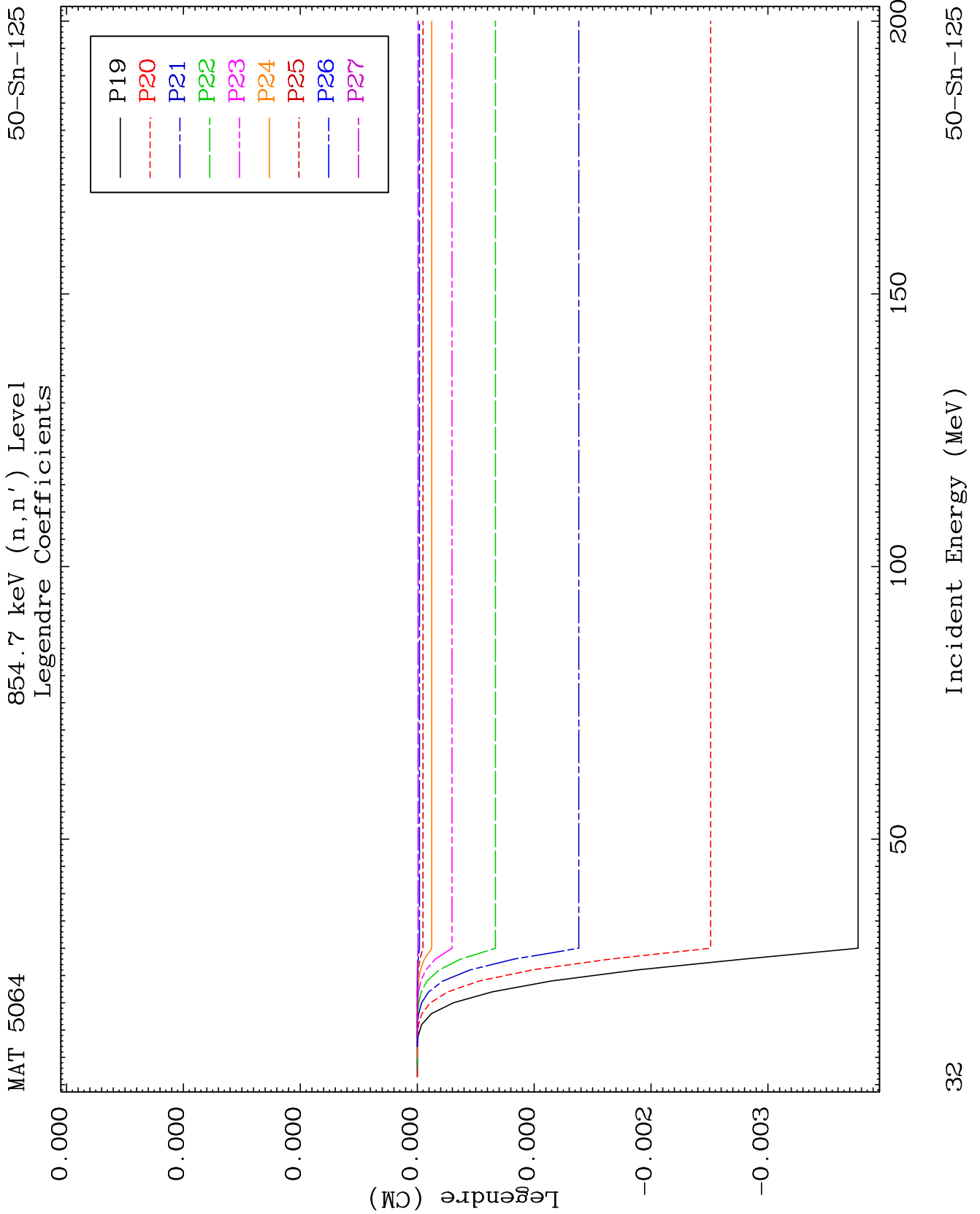
854.7 keV (n,n') Level
Legendre Coefficients

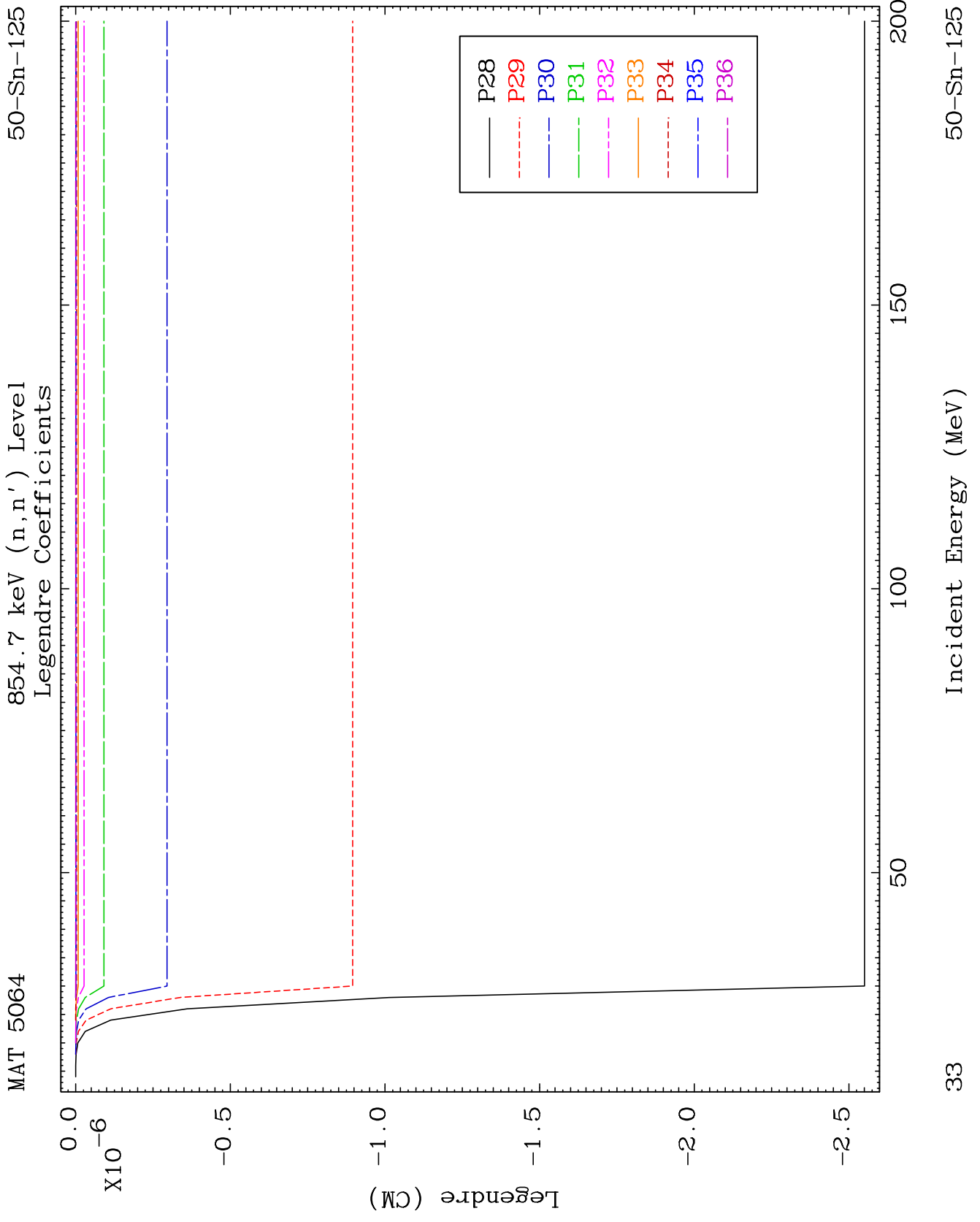
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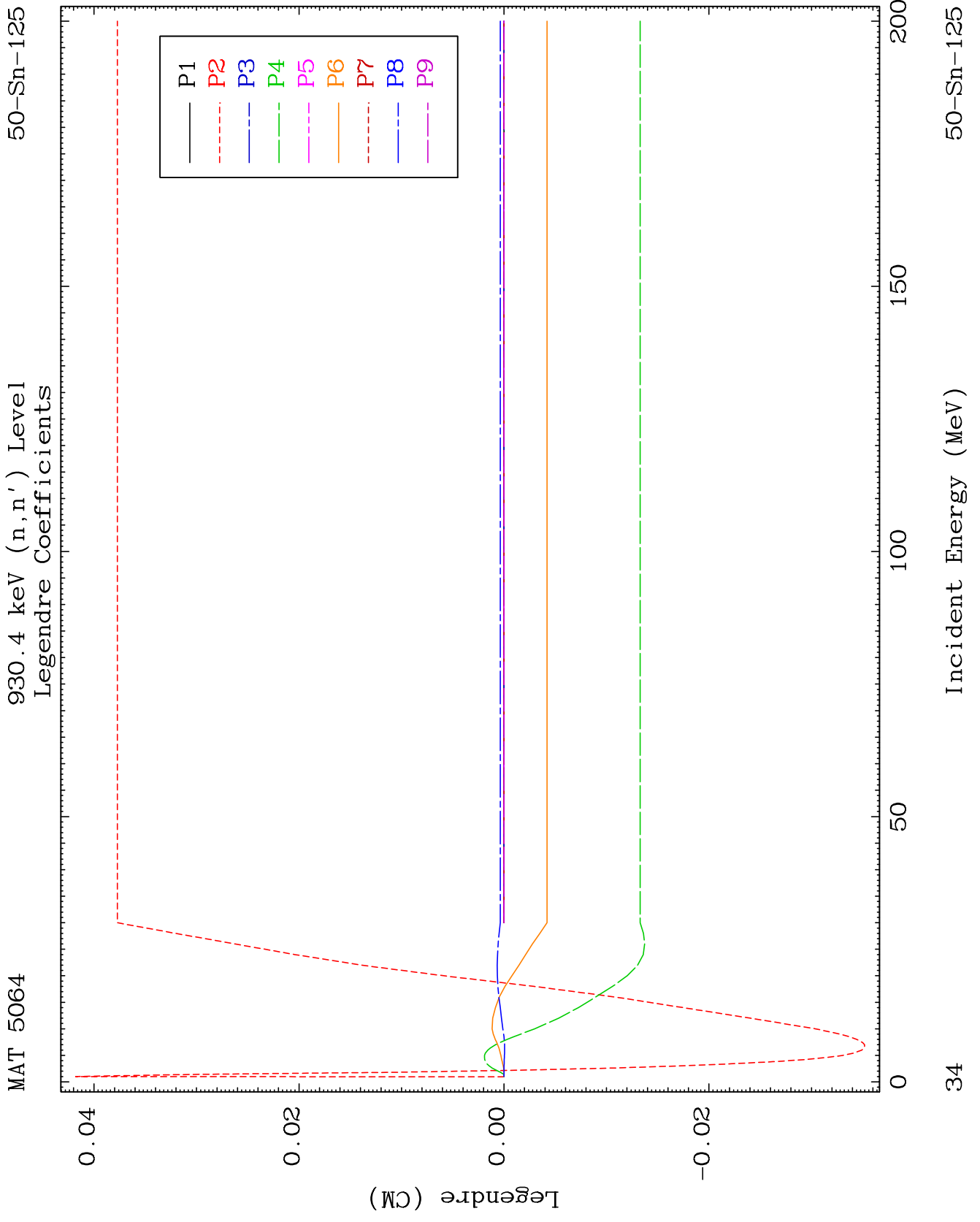


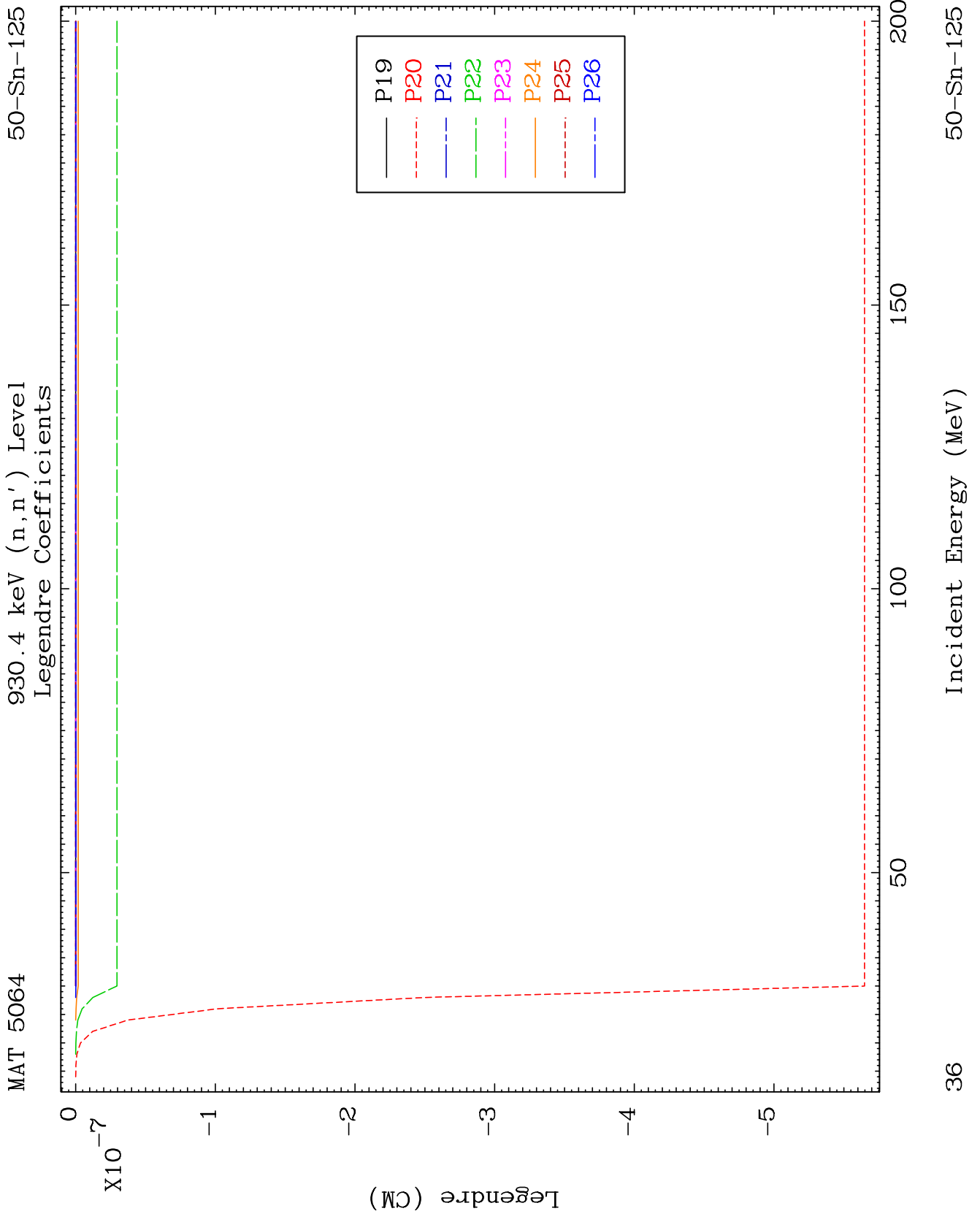
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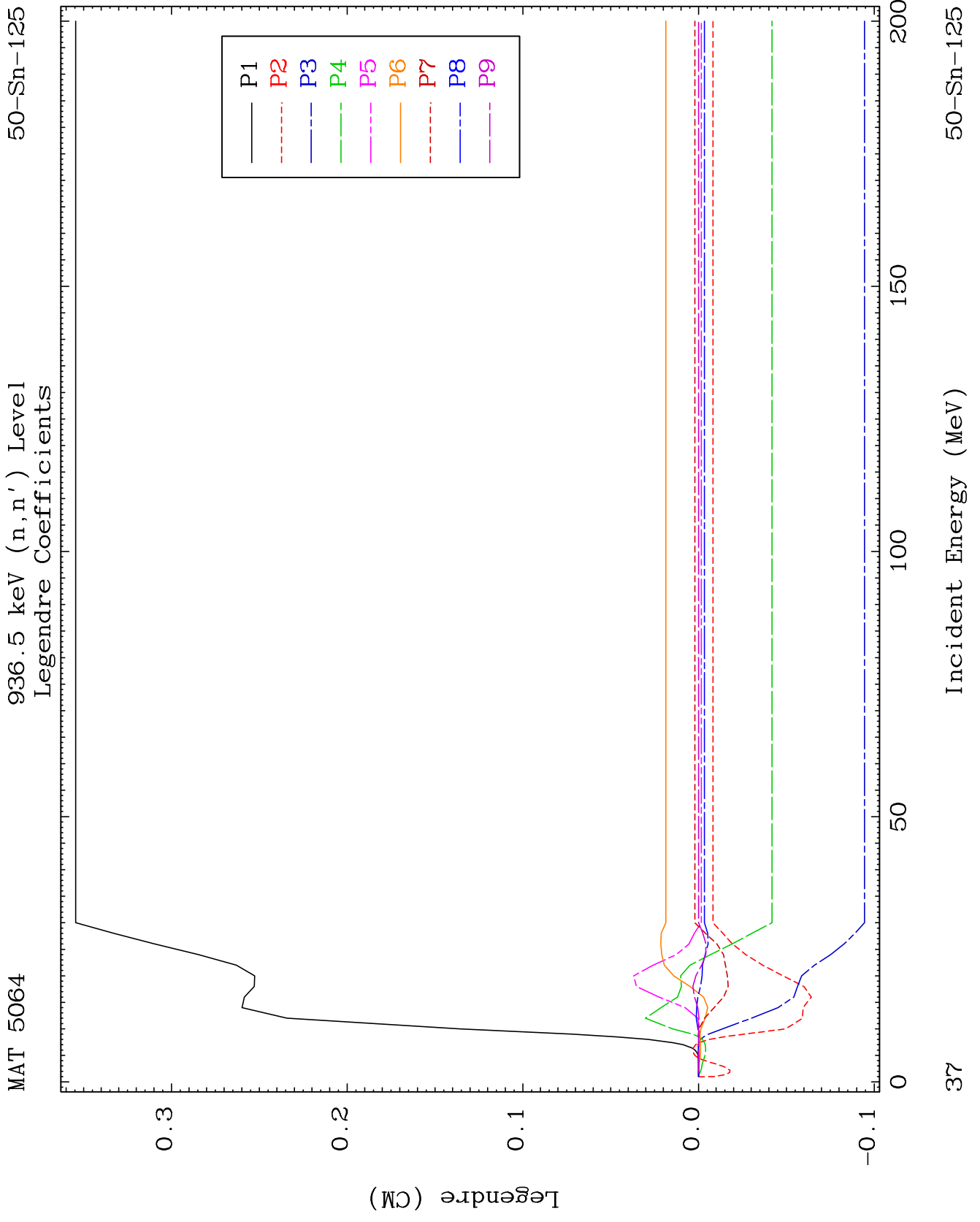
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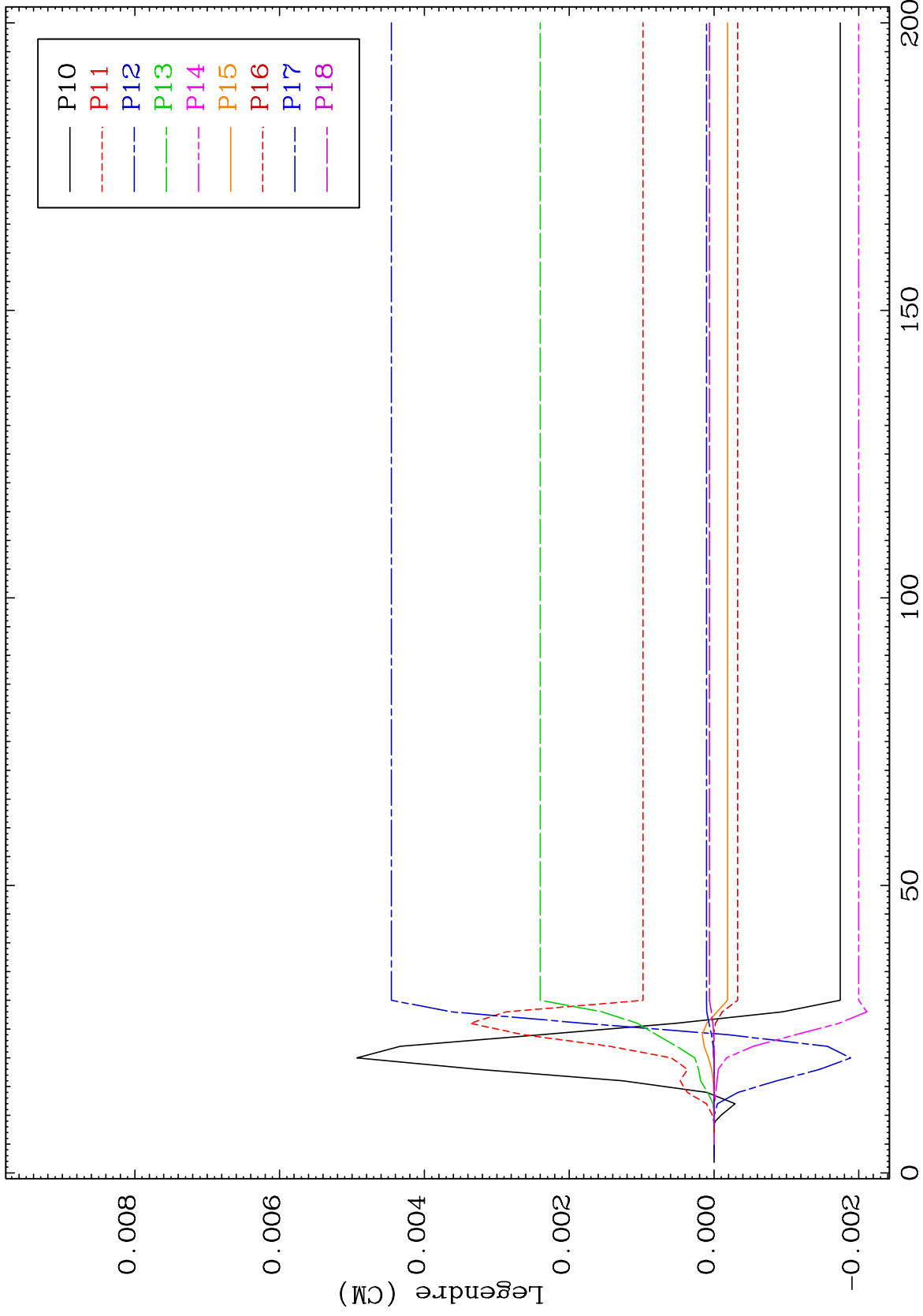




MAT 5064

936.5 keV (n,n') Level
Legendre Coefficients

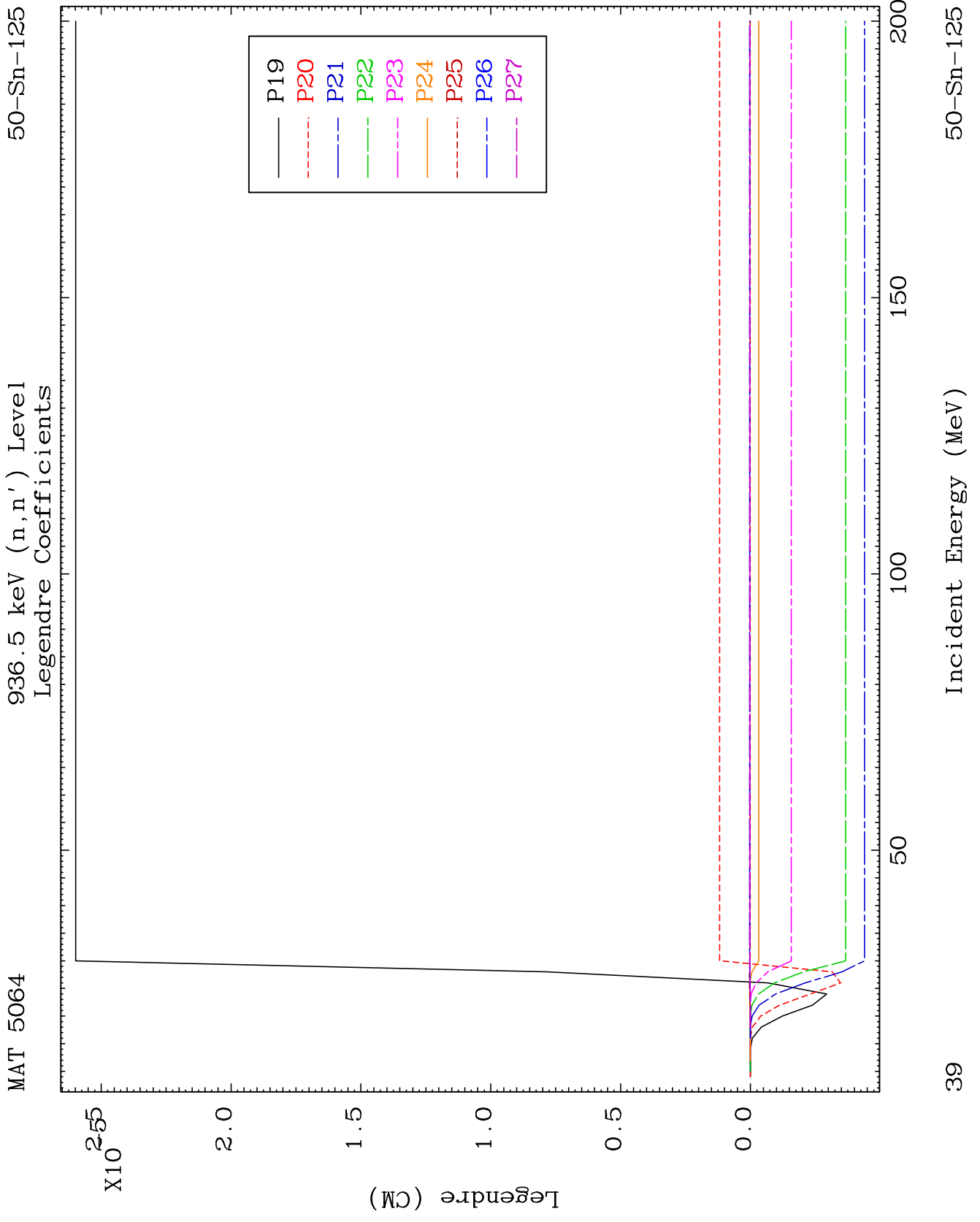
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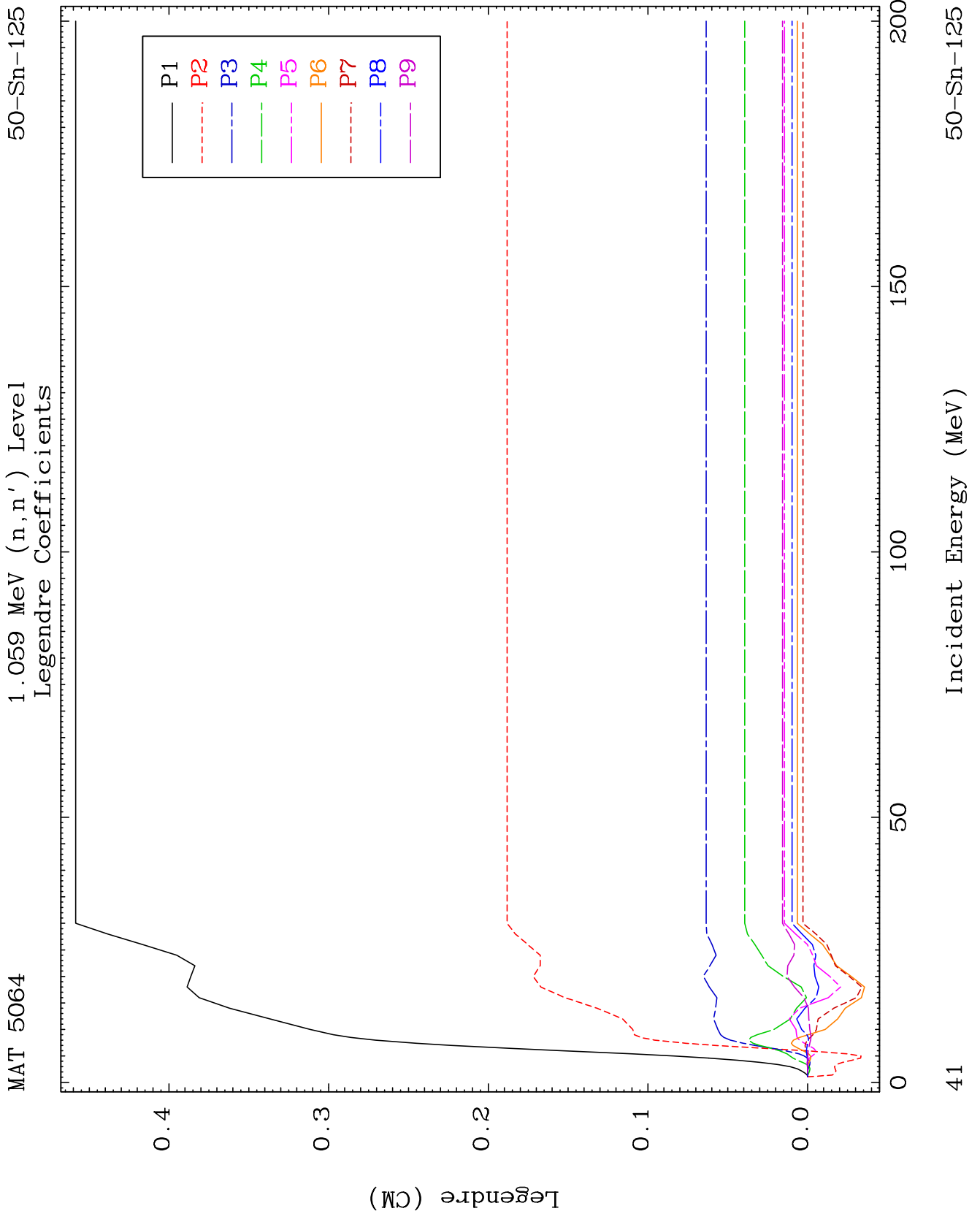


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Incident Energy (MeV)

50-Sn-125

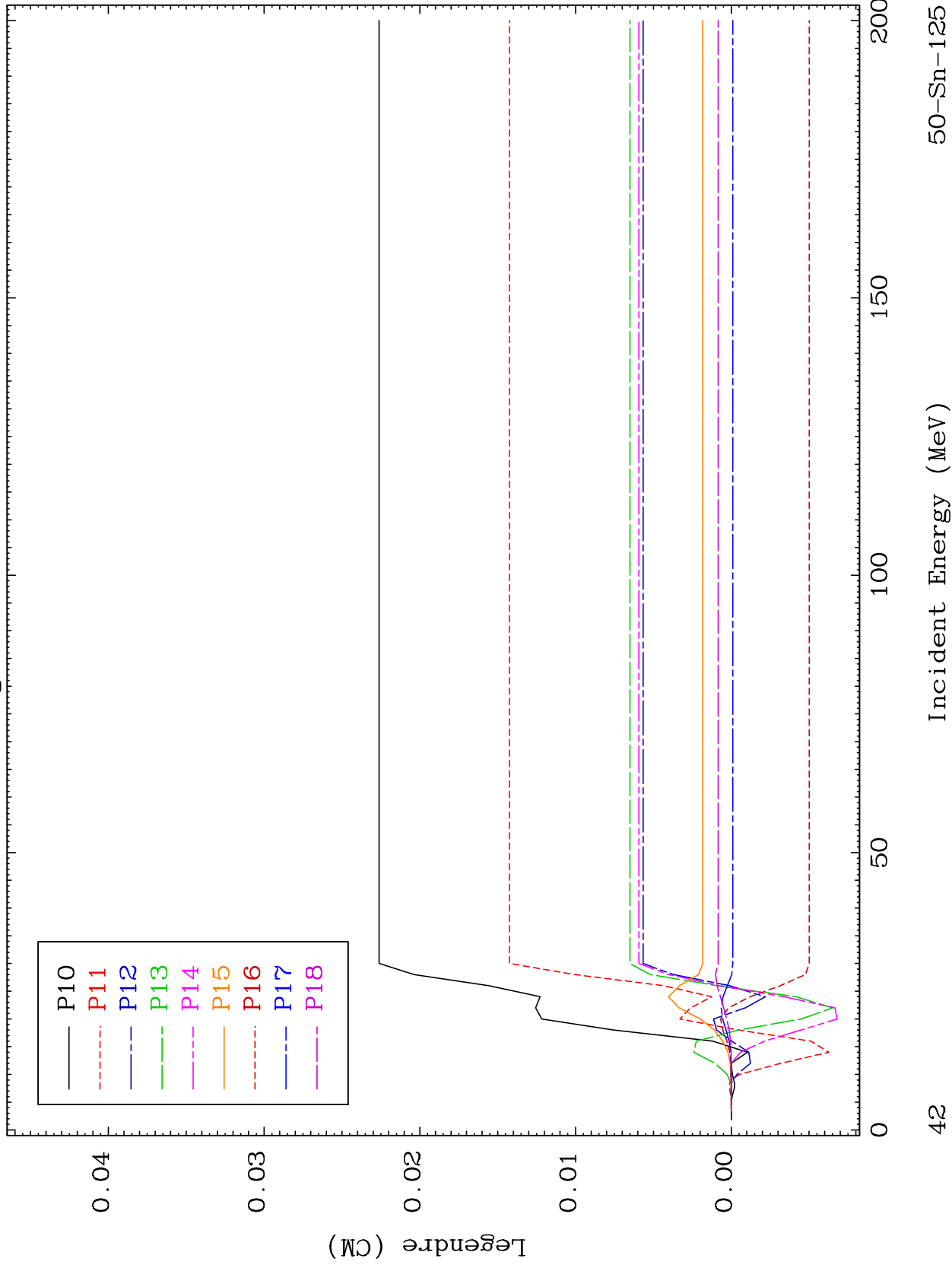




MAT 5064

1.059 MeV (n,n') Level
Legendre Coefficients

50-Sn-125



50-Sn-125

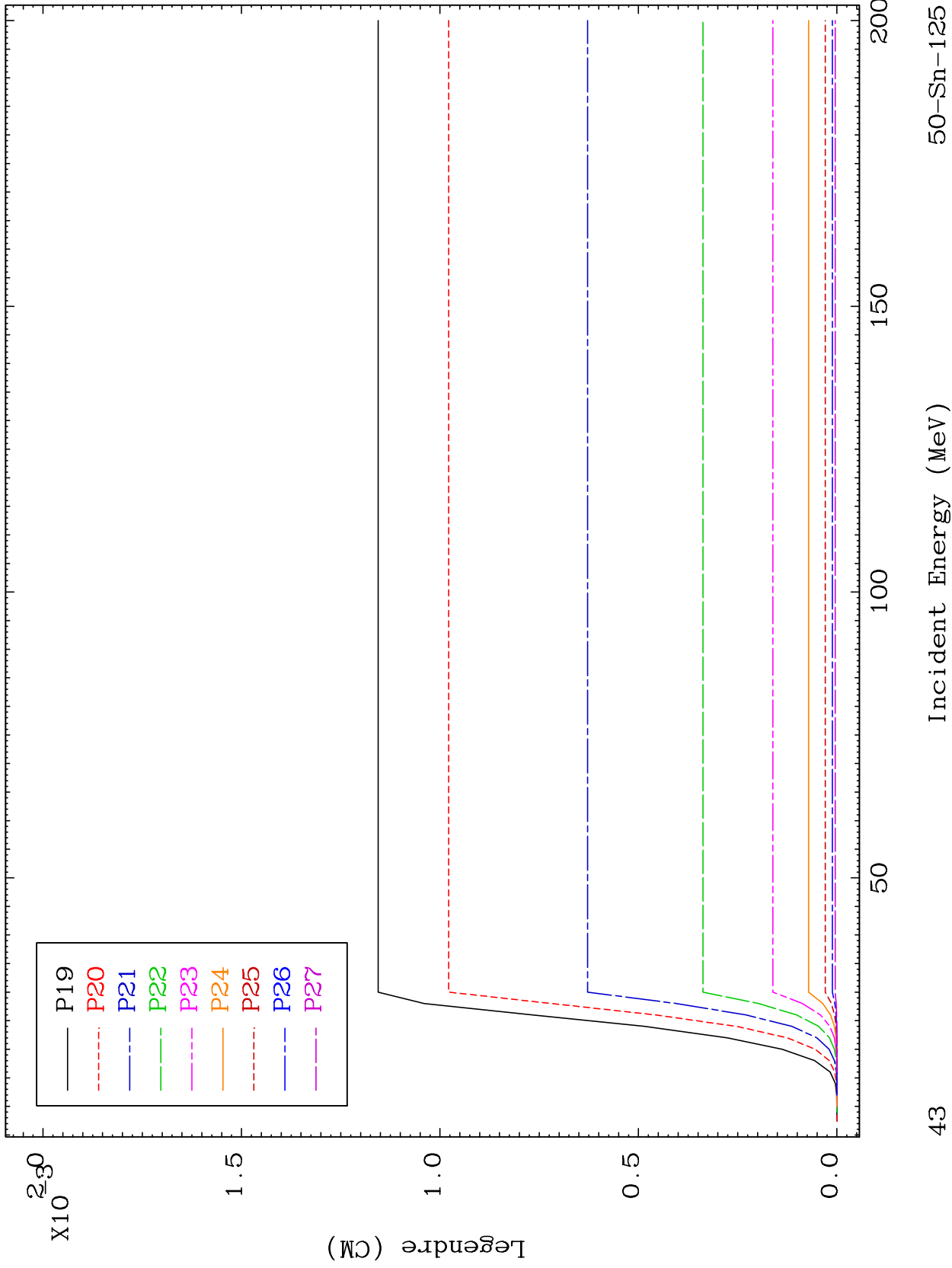
Incident Energy (MeV)

42

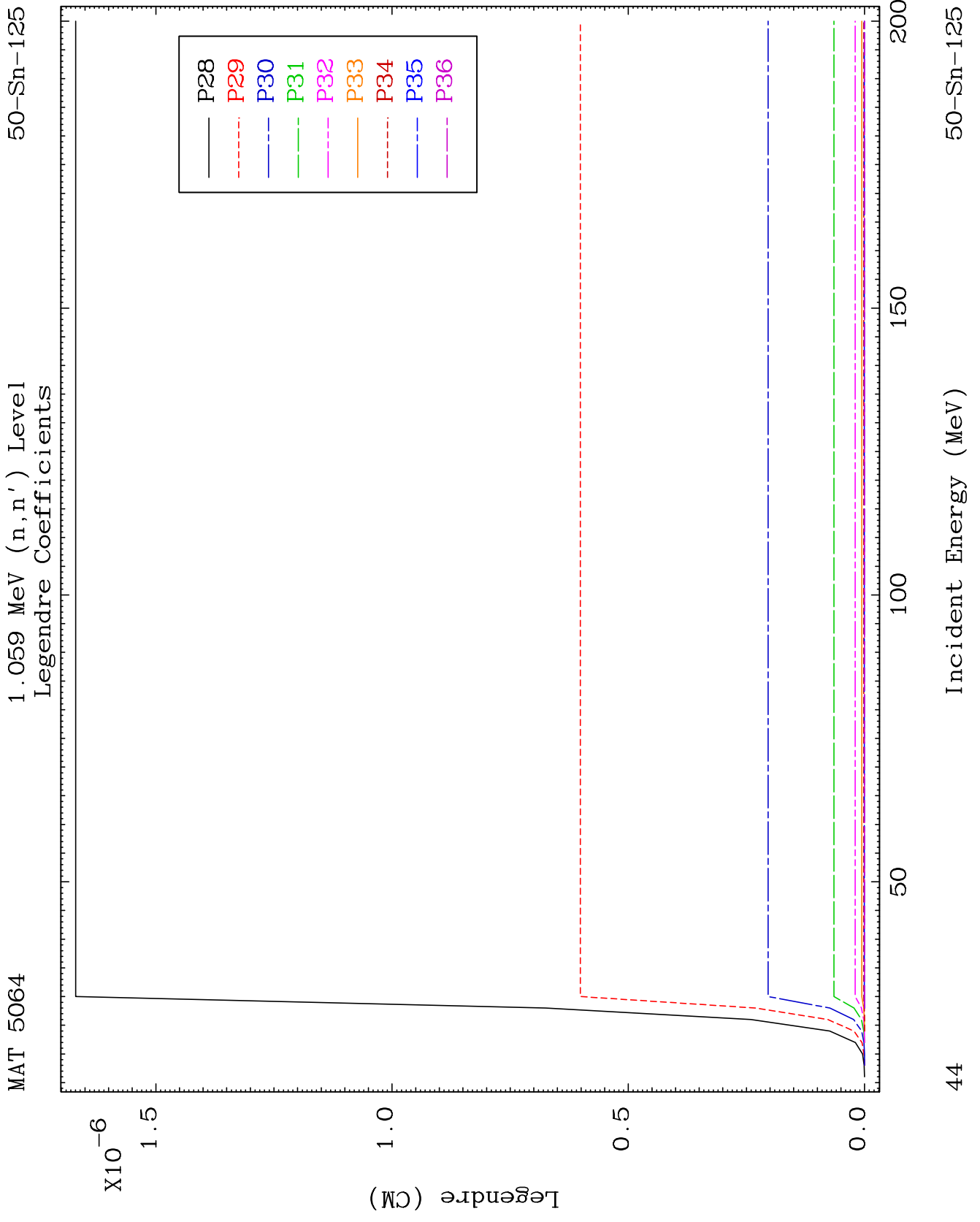
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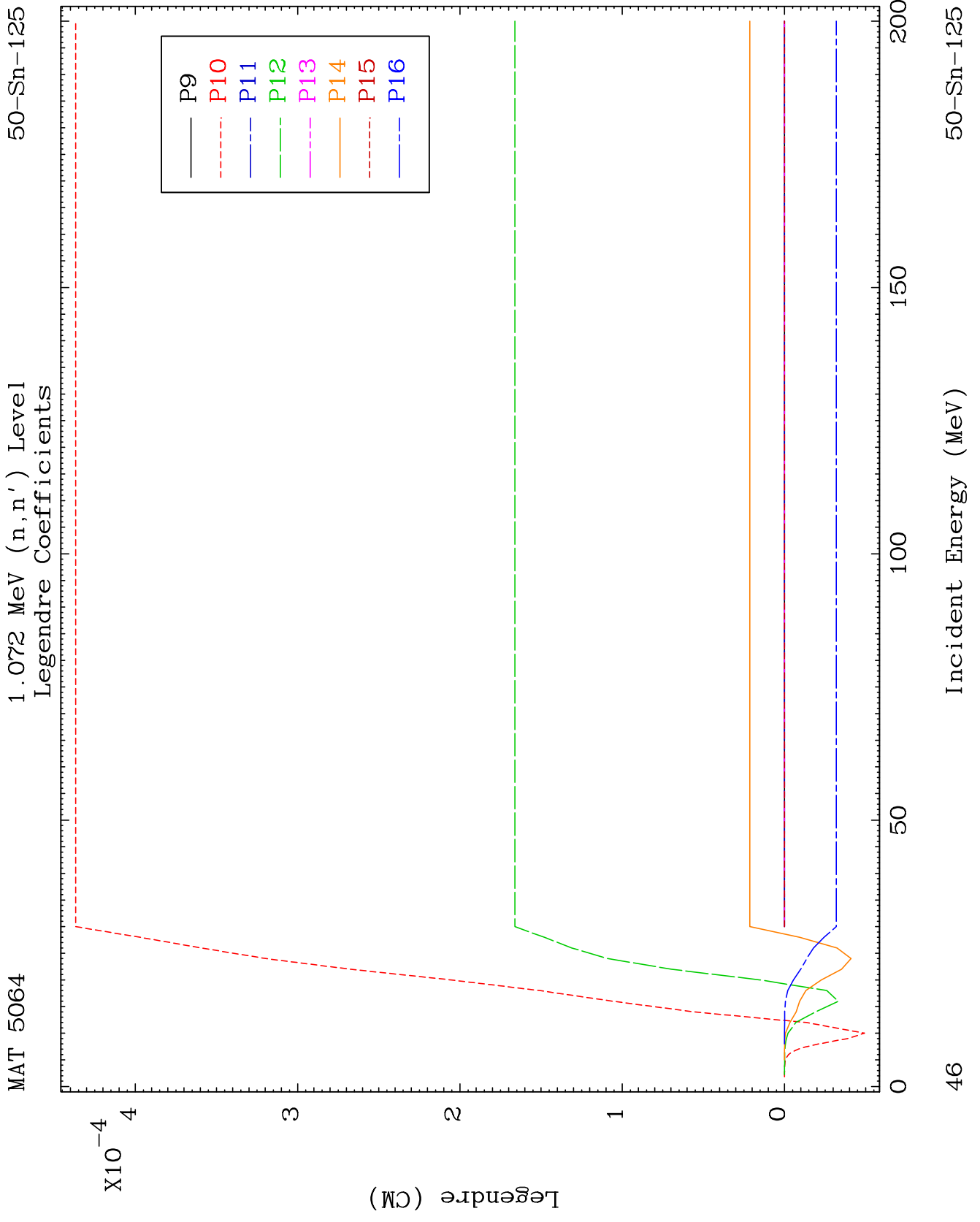
1.059 MeV (n,n') Level
Legendre Coefficients

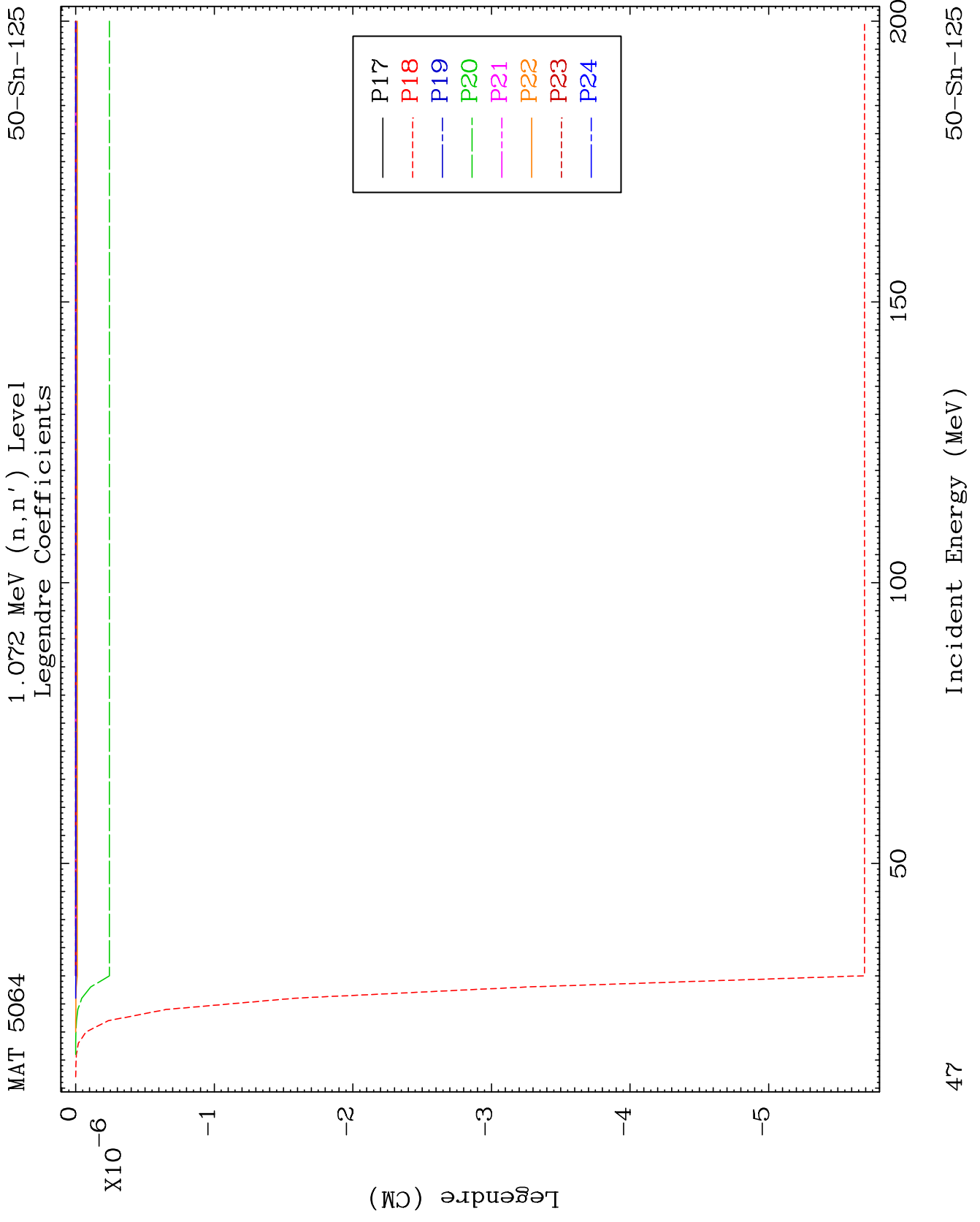
50-Sn-125

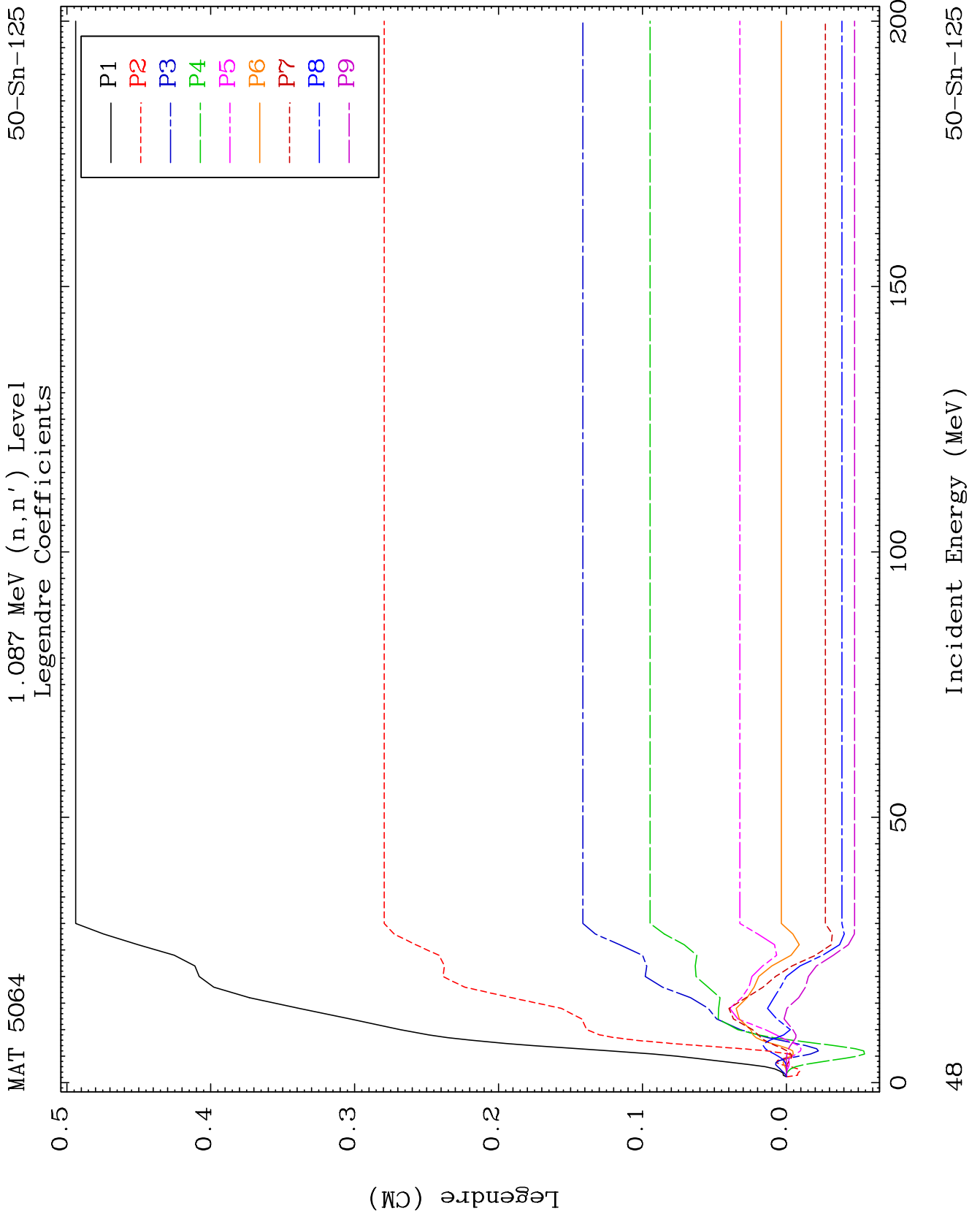


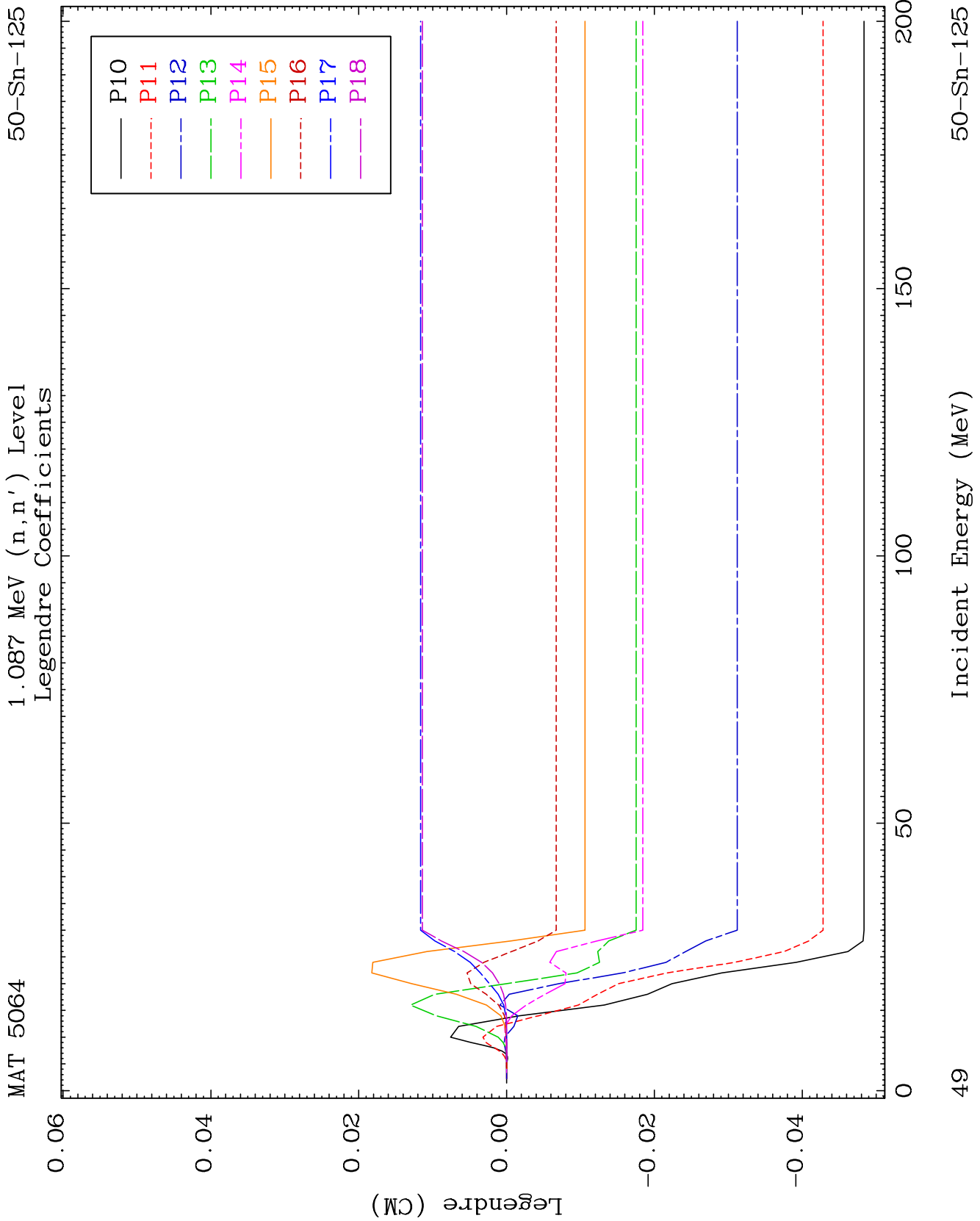
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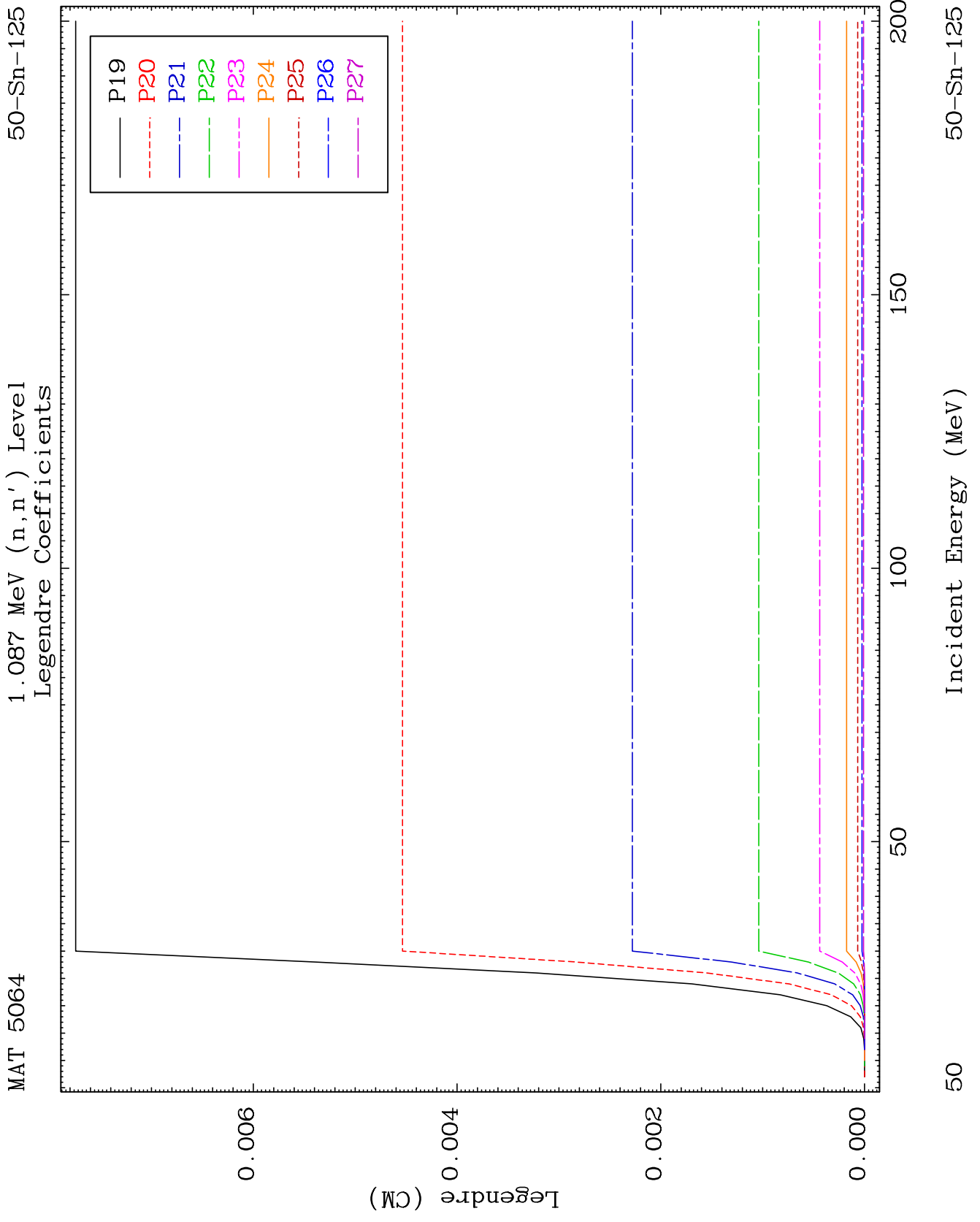


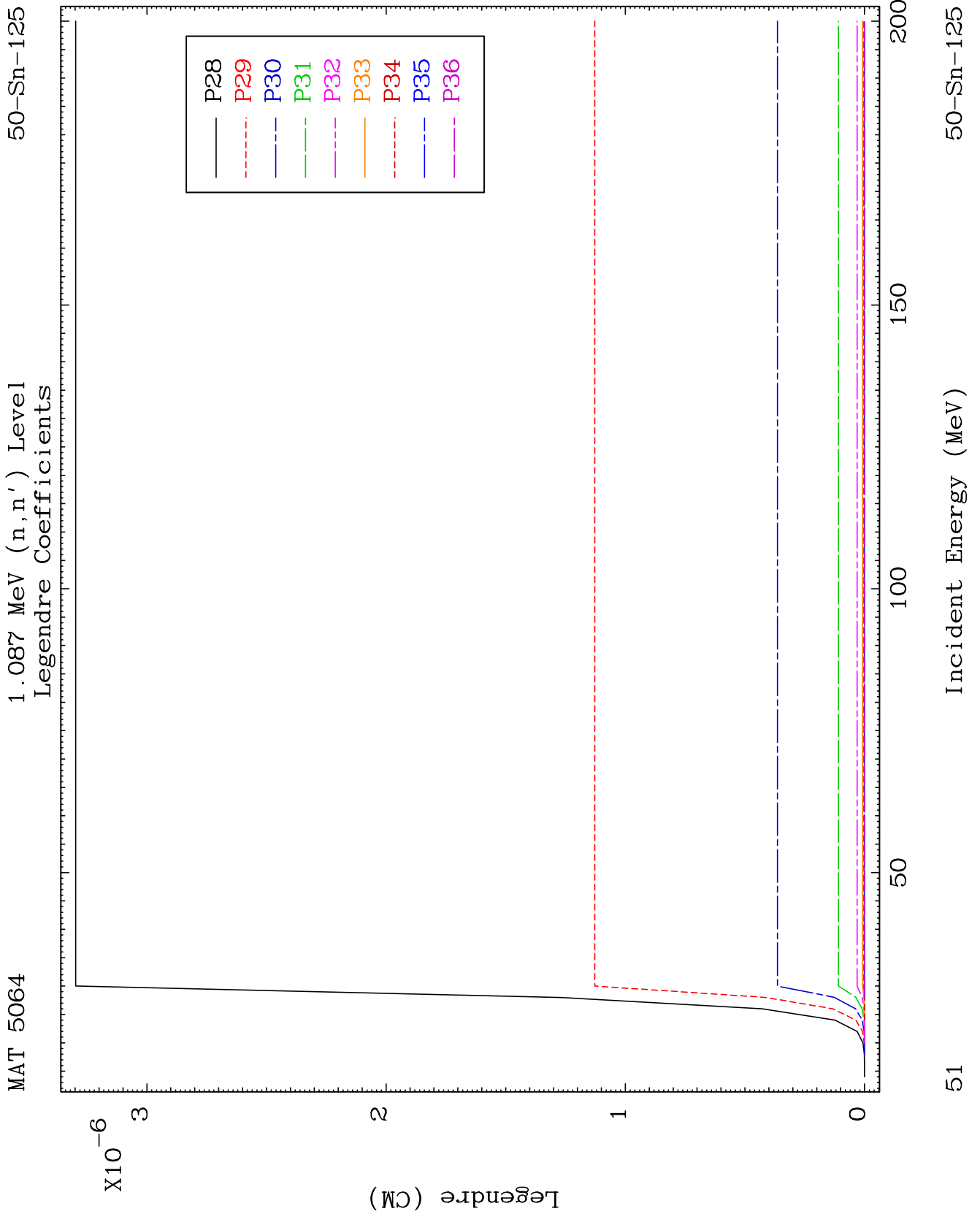


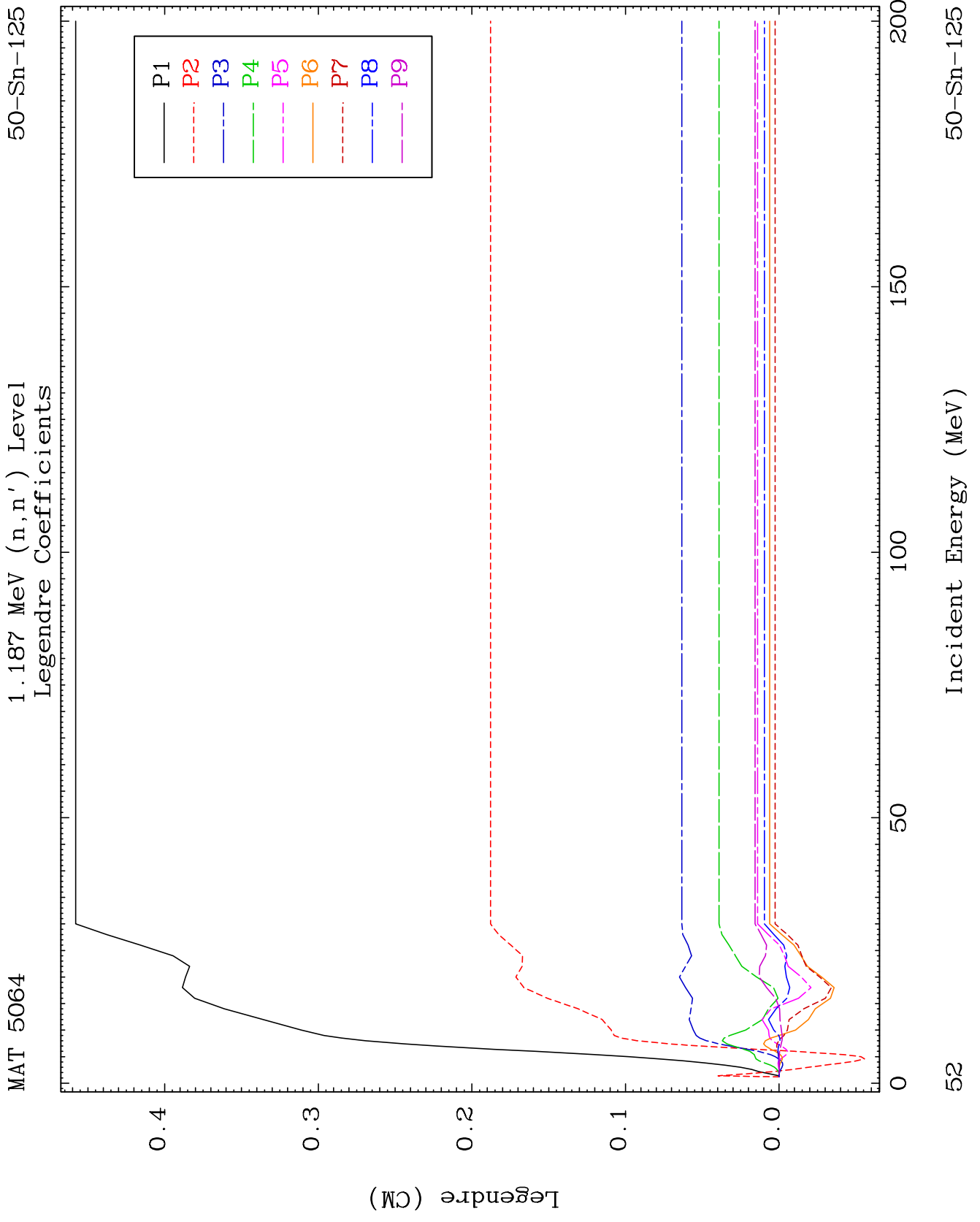








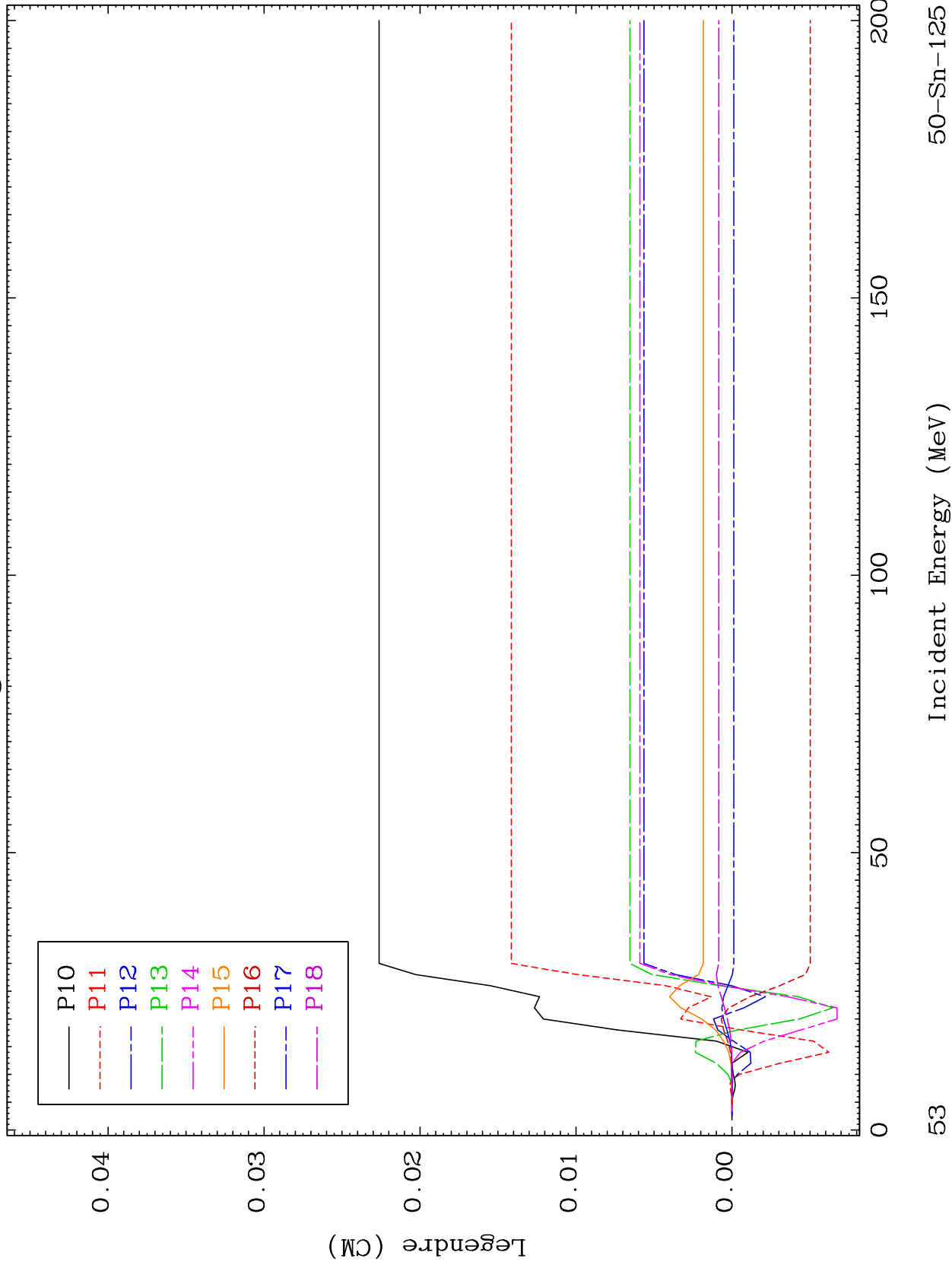




MAT 5064

1.187 MeV (n,n') Level
Legendre Coefficients

50-Sn-125



53

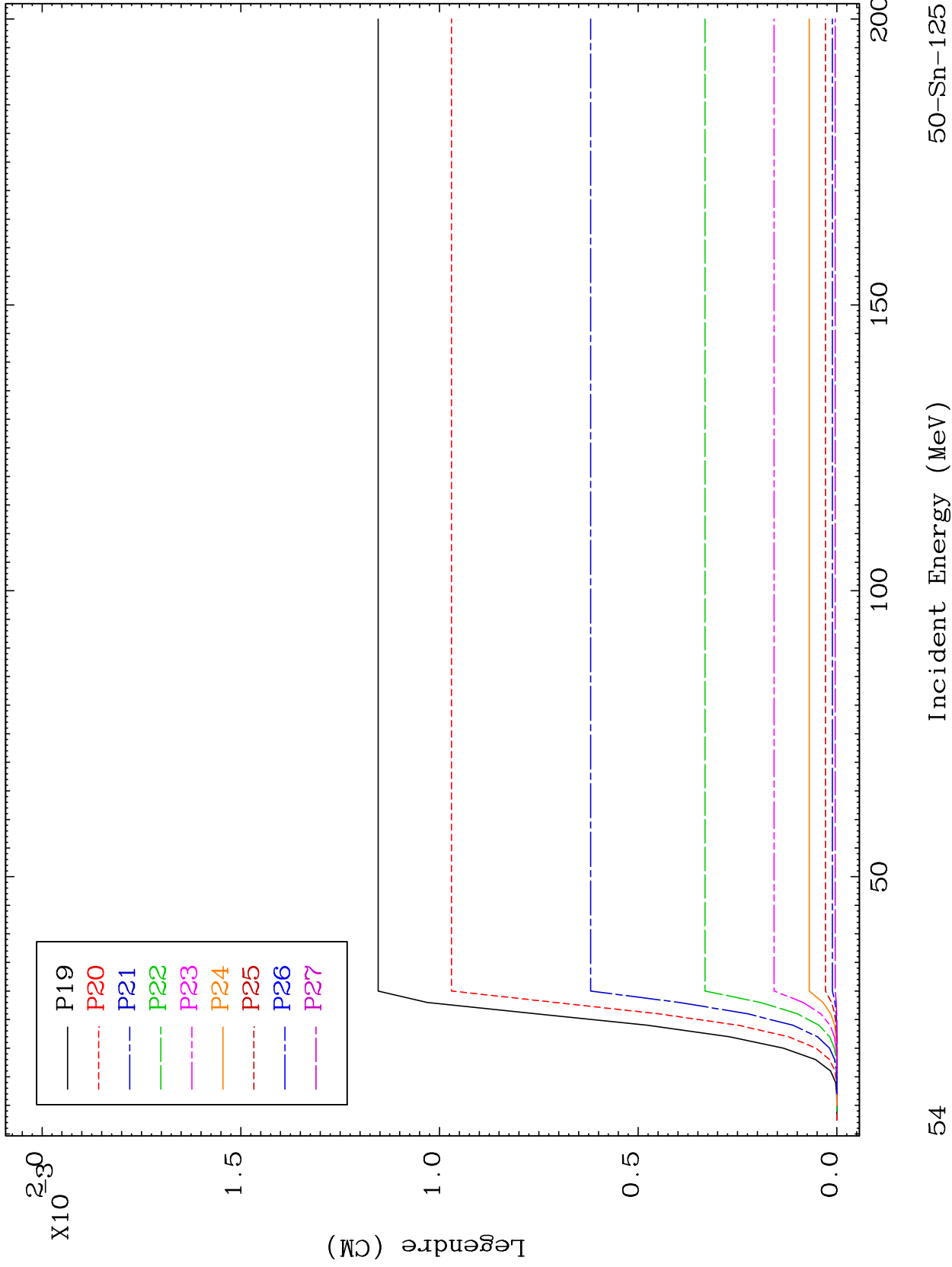
Incident Energy (MeV)

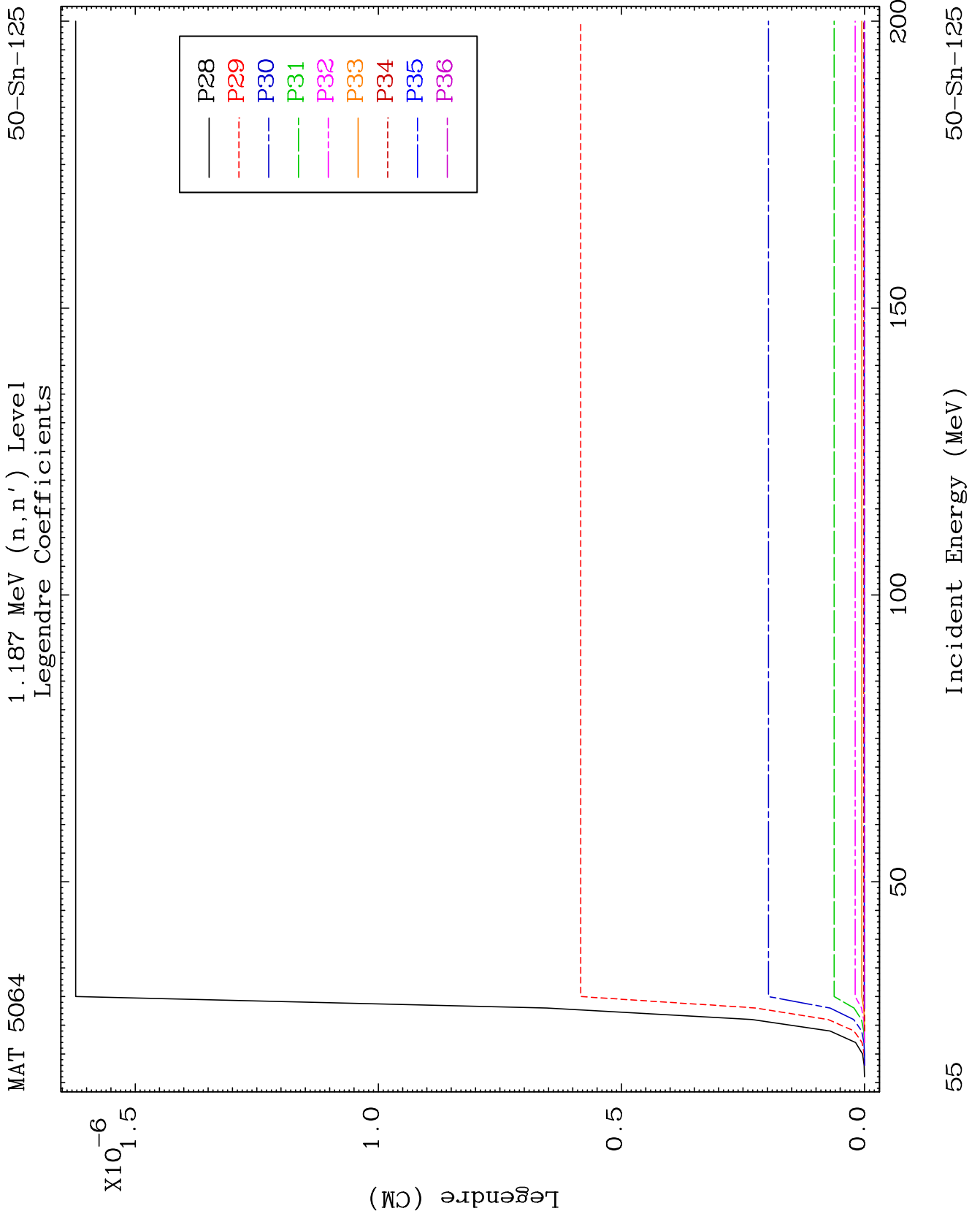
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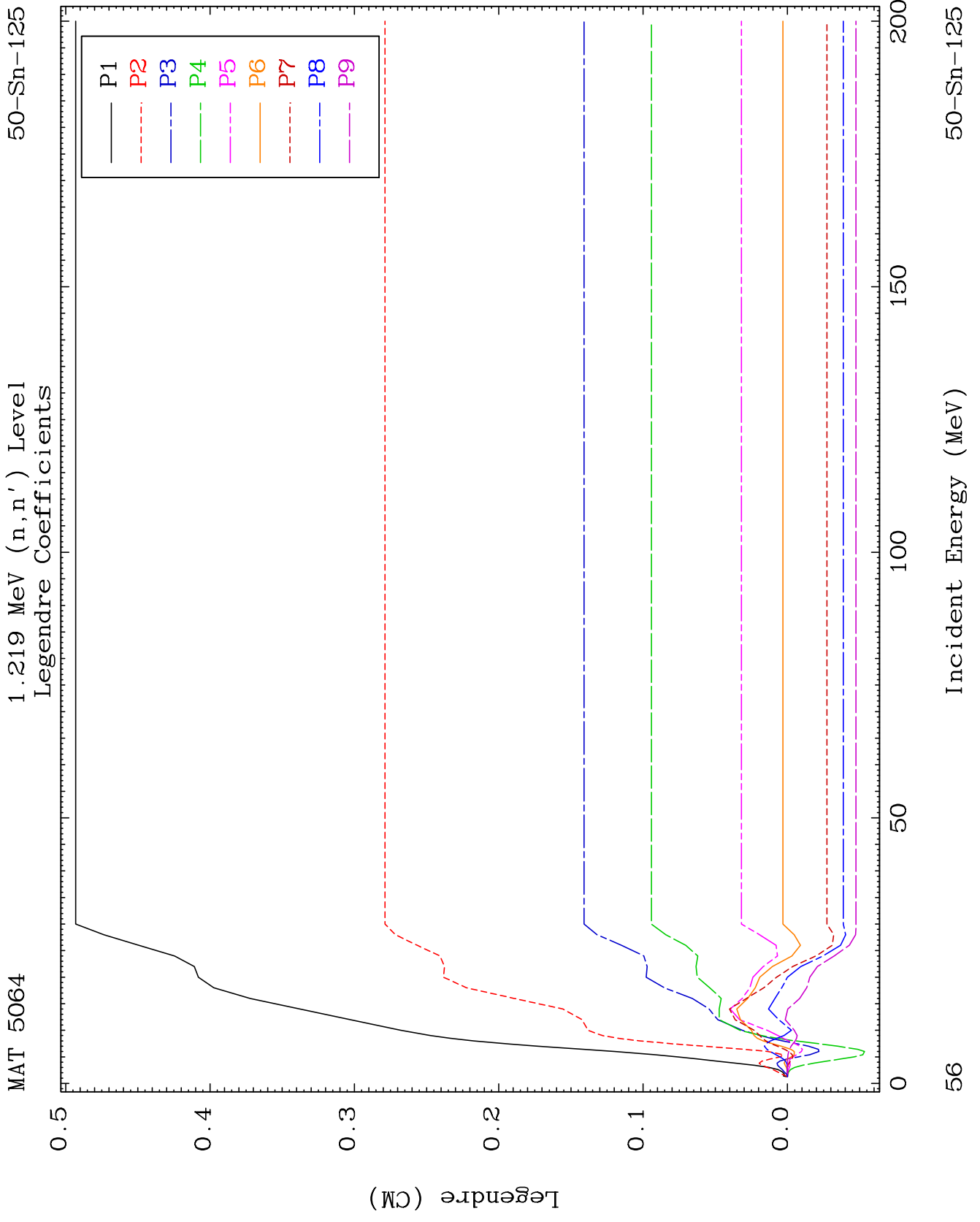
MAT 5064

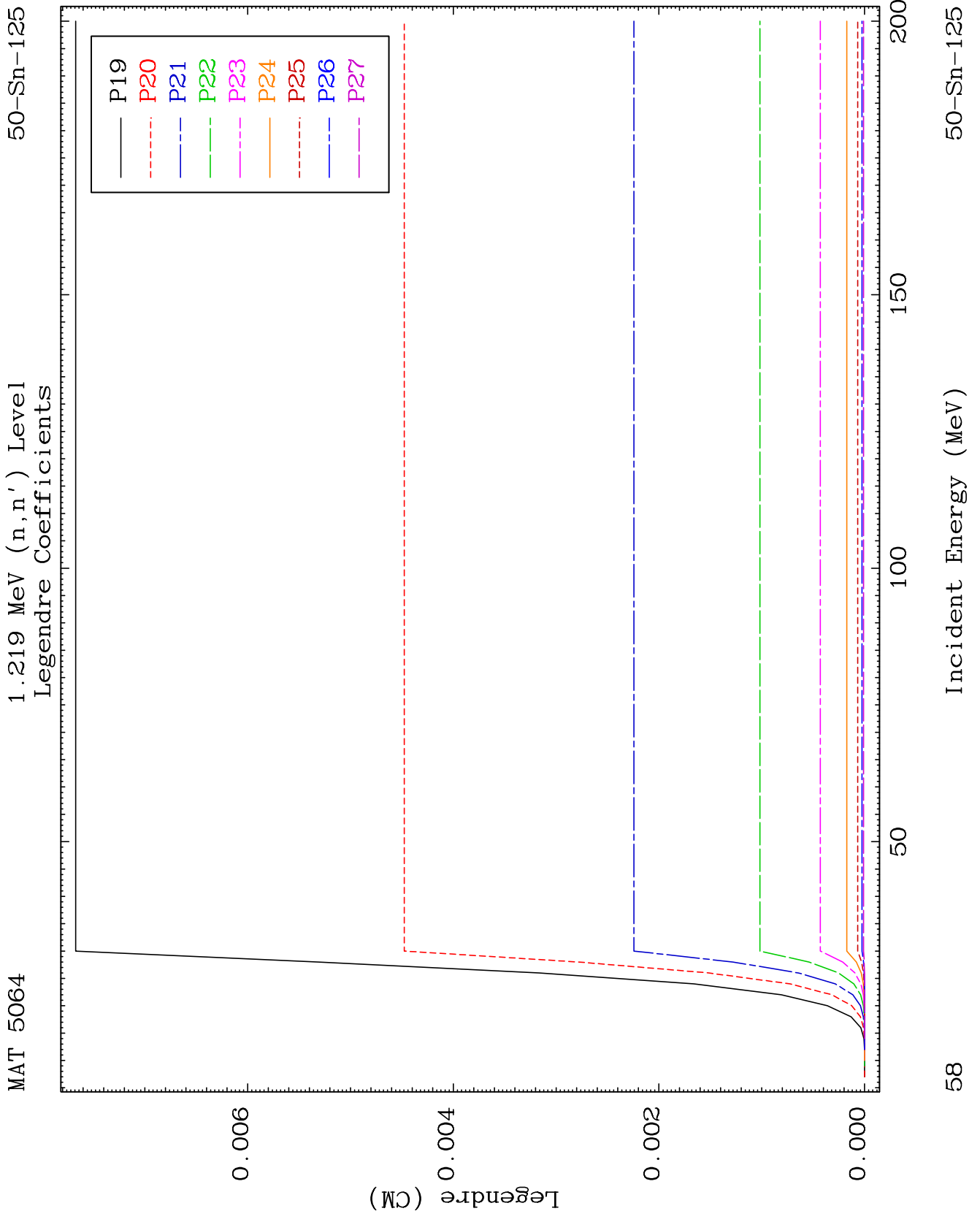
1.187 MeV (n,n') Level
Legendre Coefficients

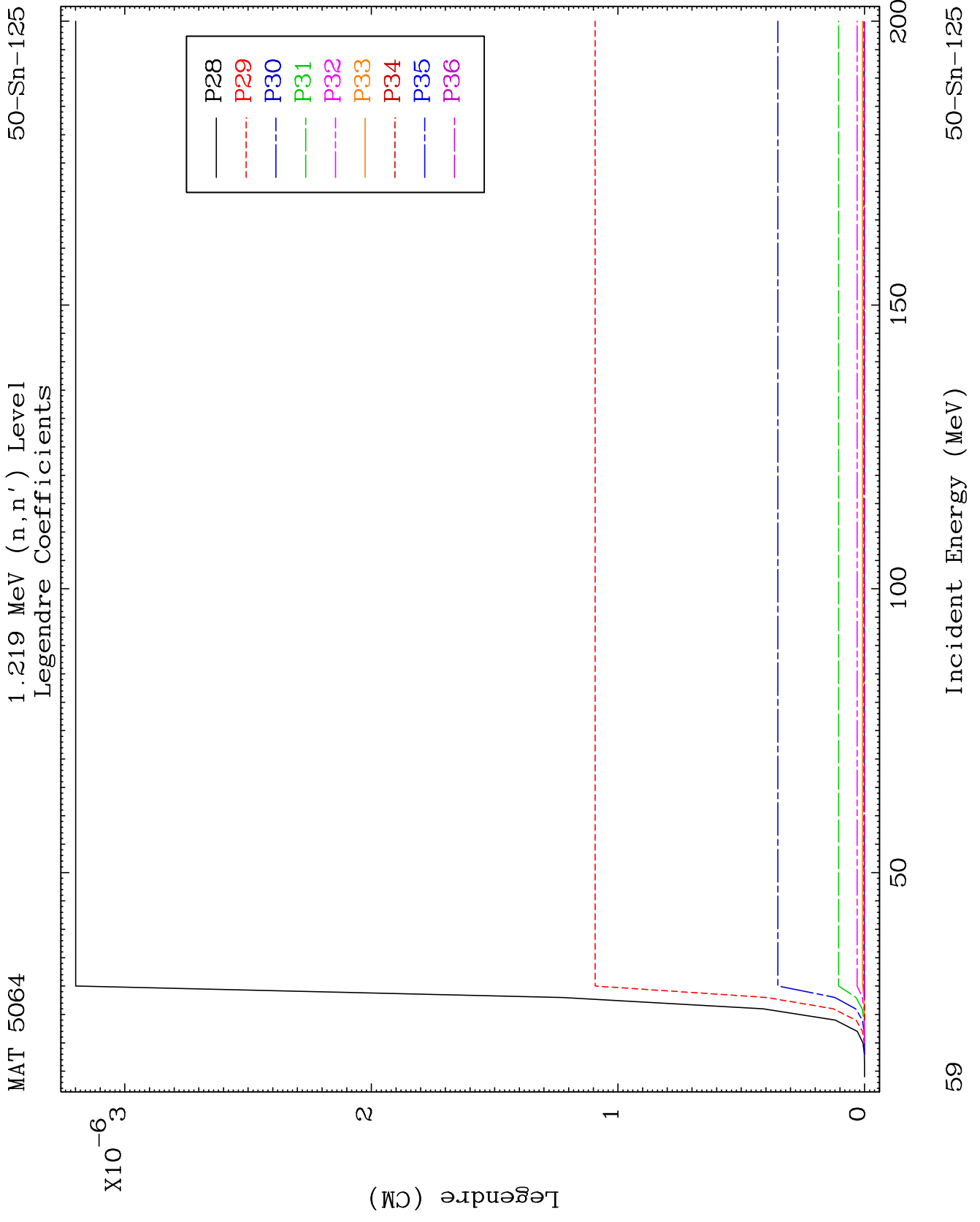
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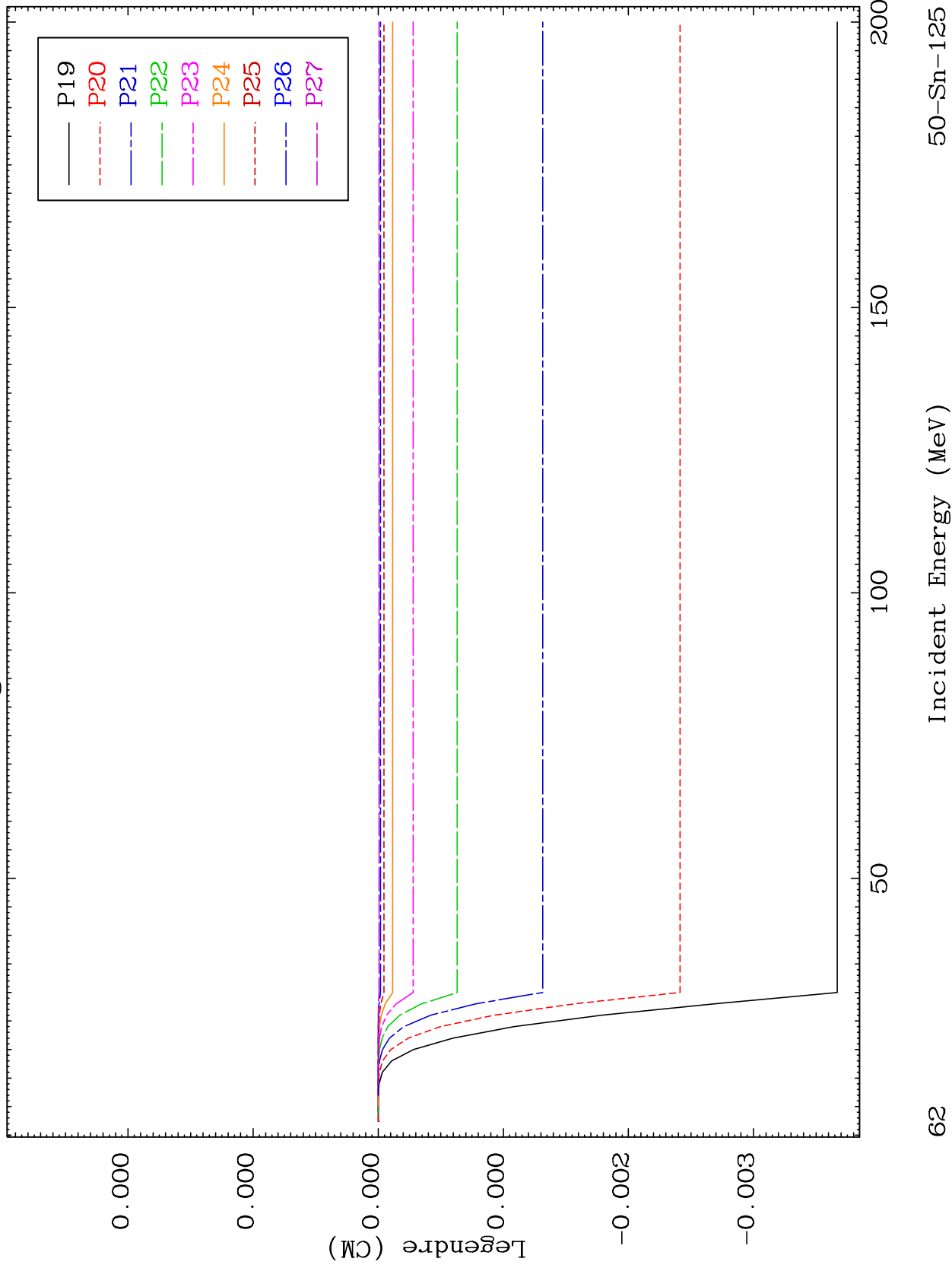




MAT 5064

1.259 MeV (n,n') Level
Legendre Coefficients

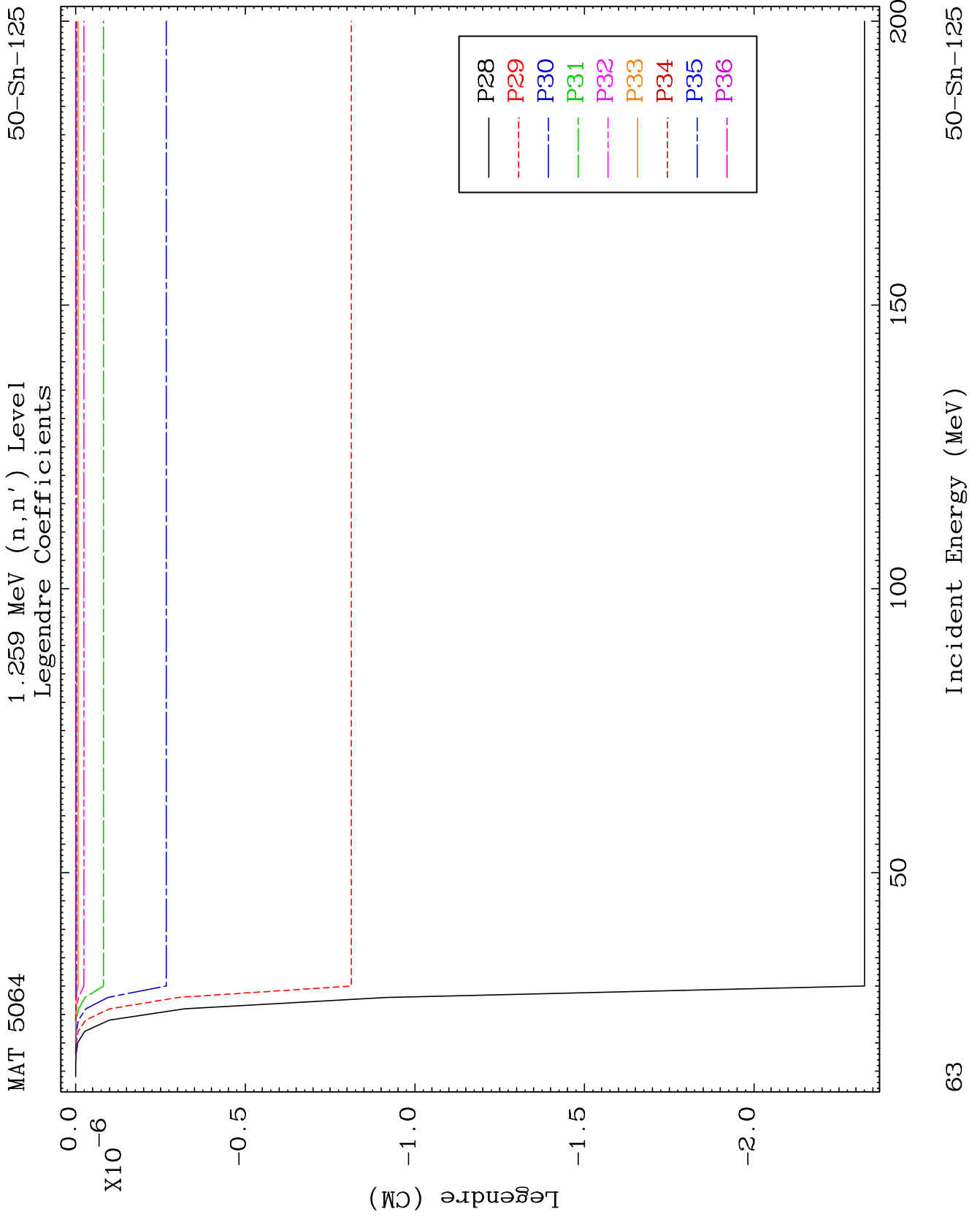
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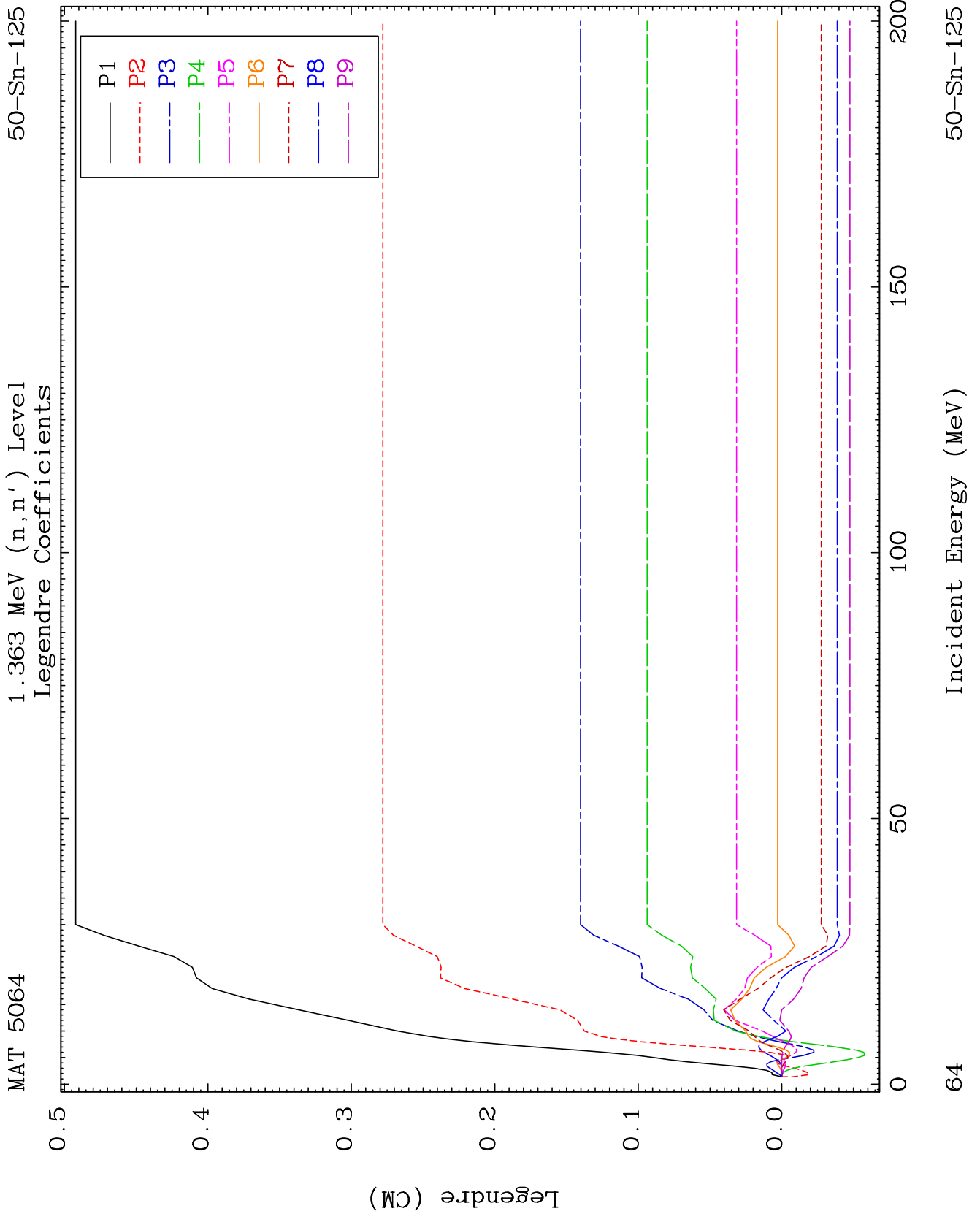


62

Incident Energy (MeV)

50-Sn-125

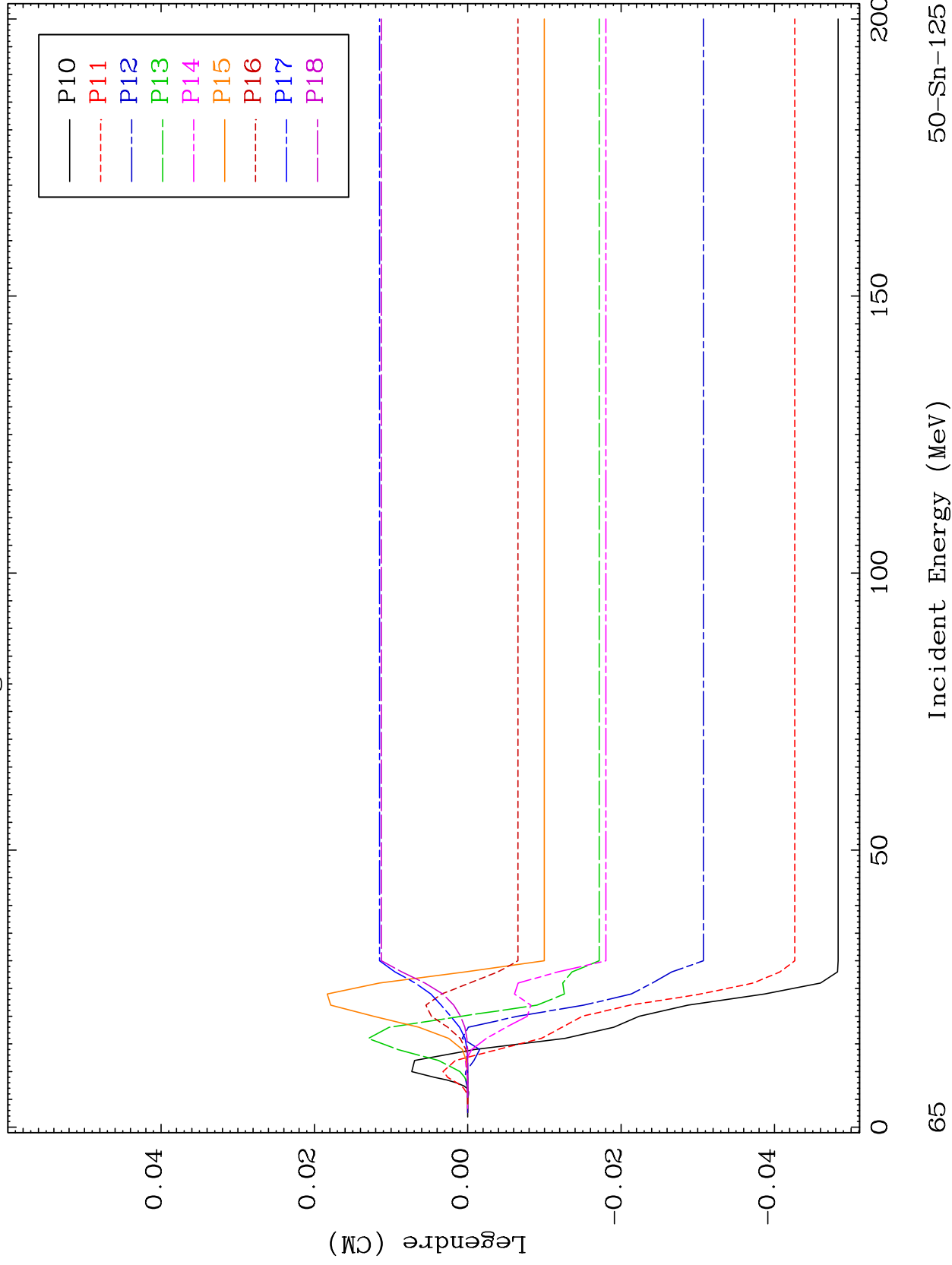




MAT 5064

1.363 MeV (n,n') Level
Legendre Coefficients

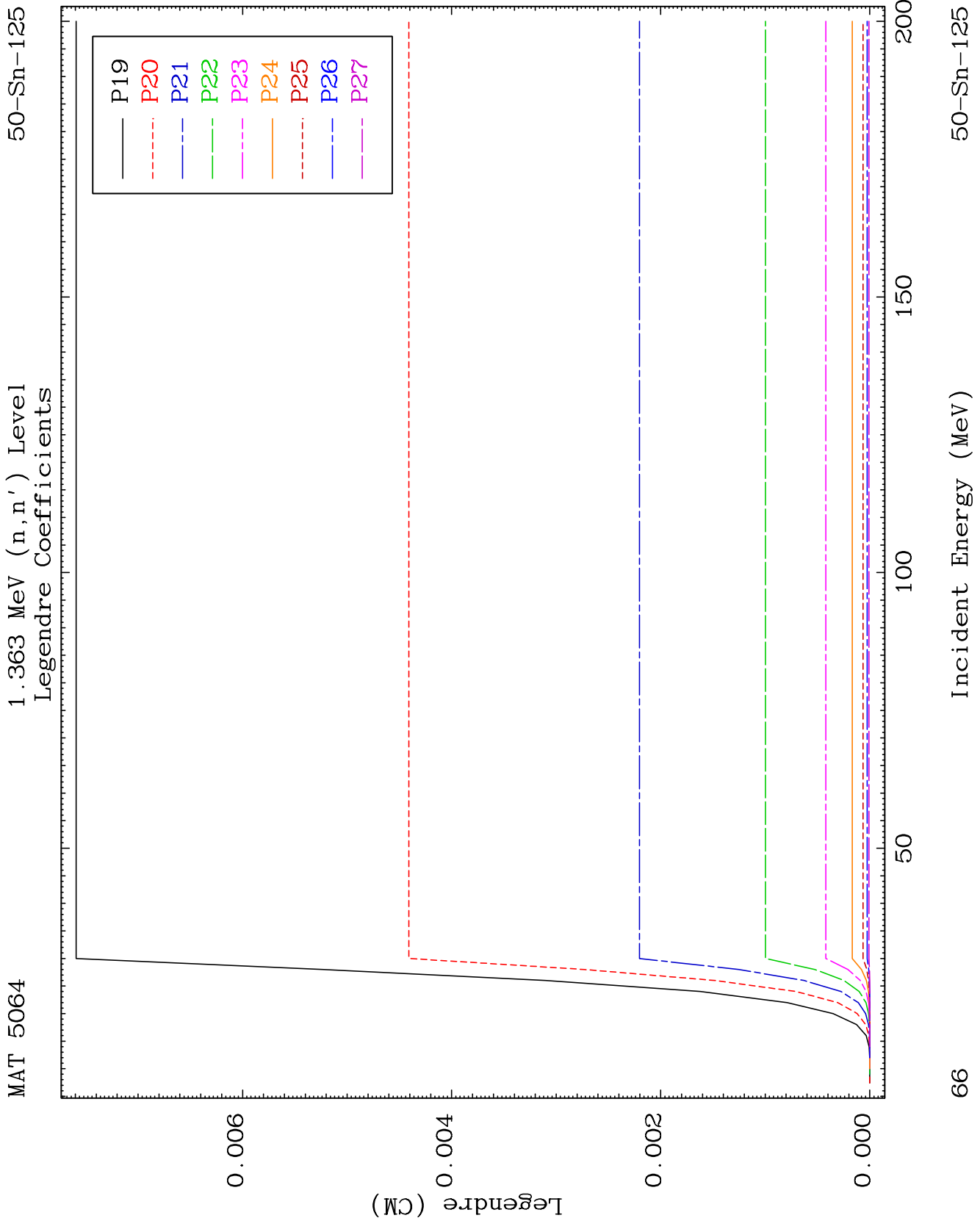
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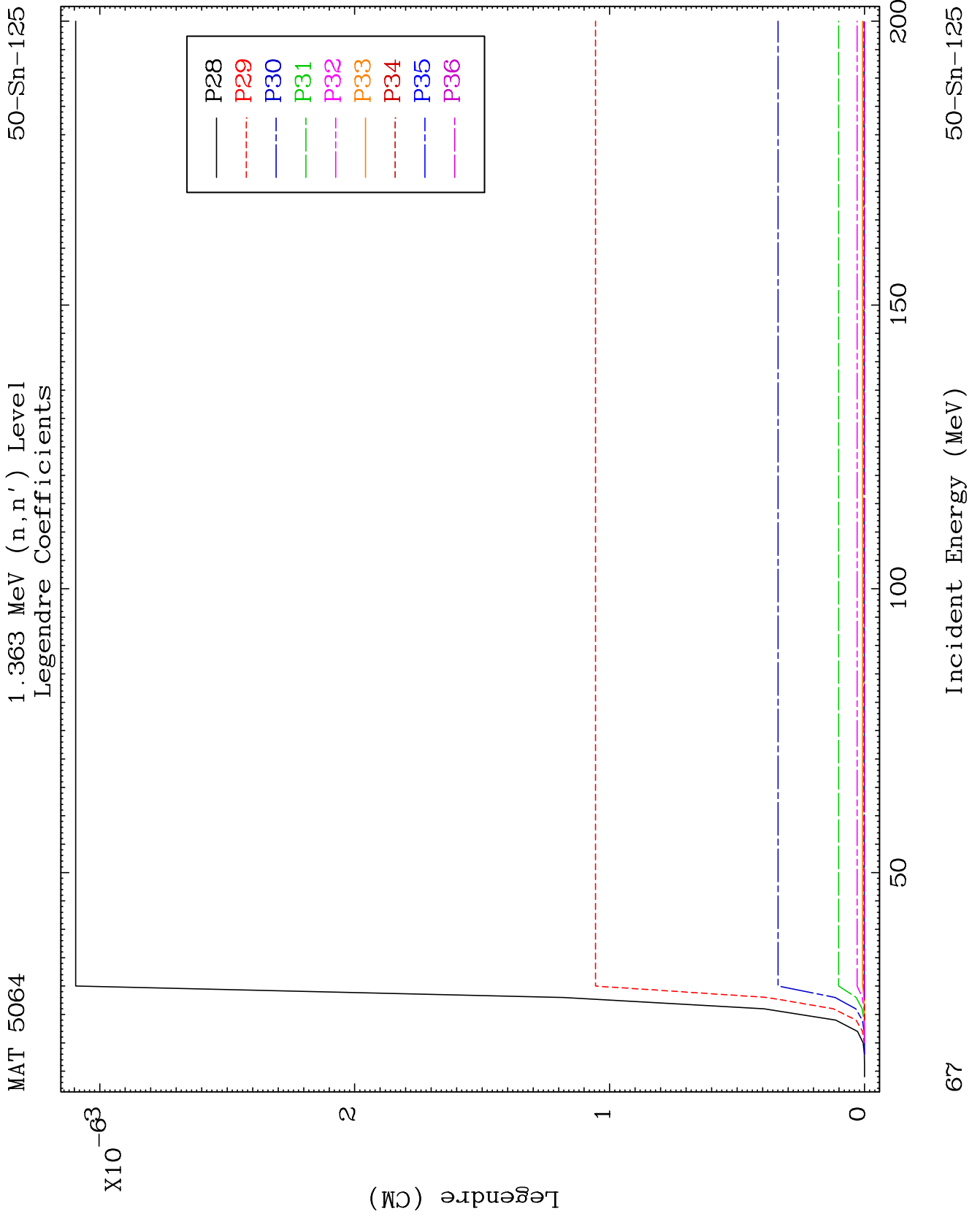


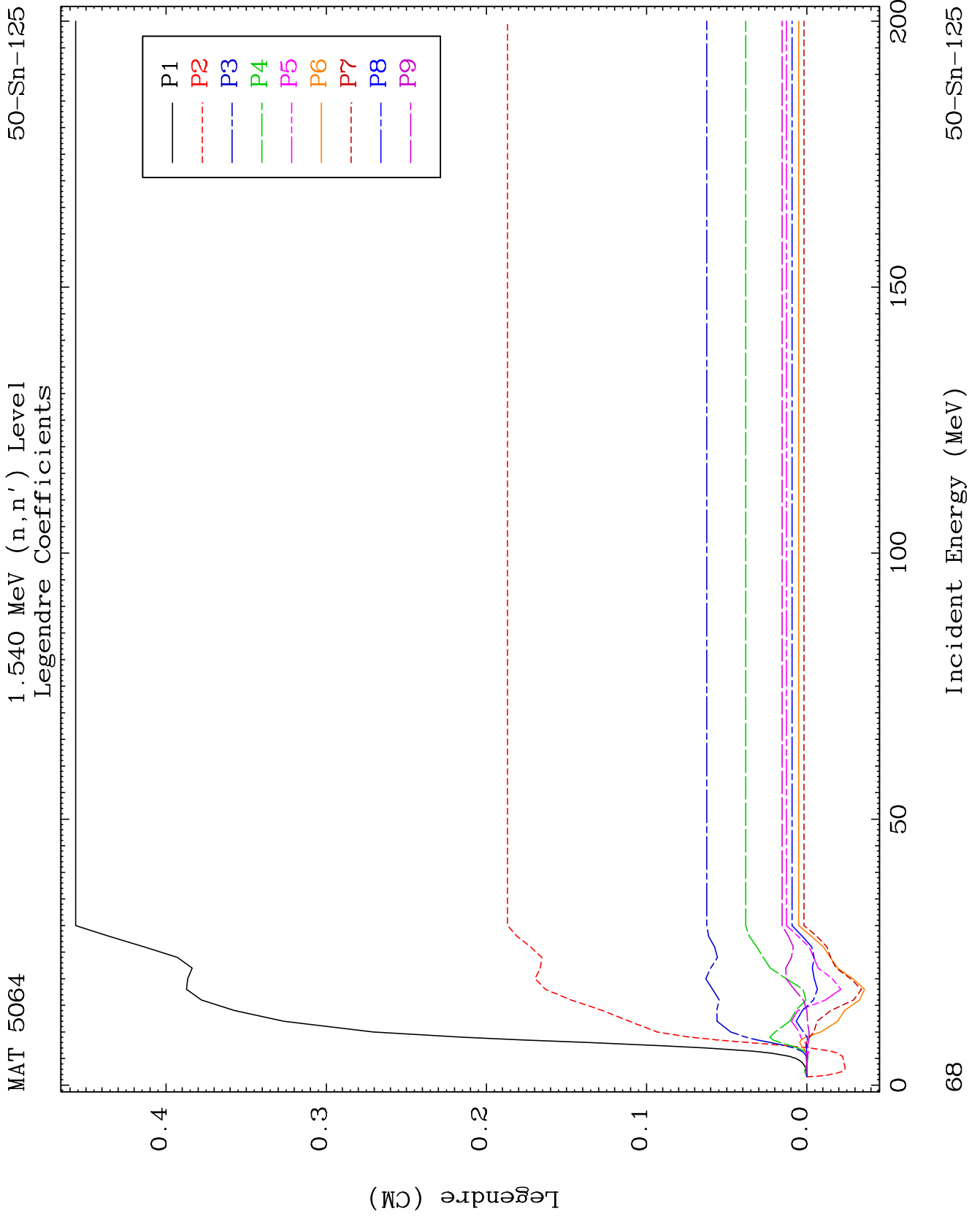
50-Sn-125

Incident Energy (MeV)

65



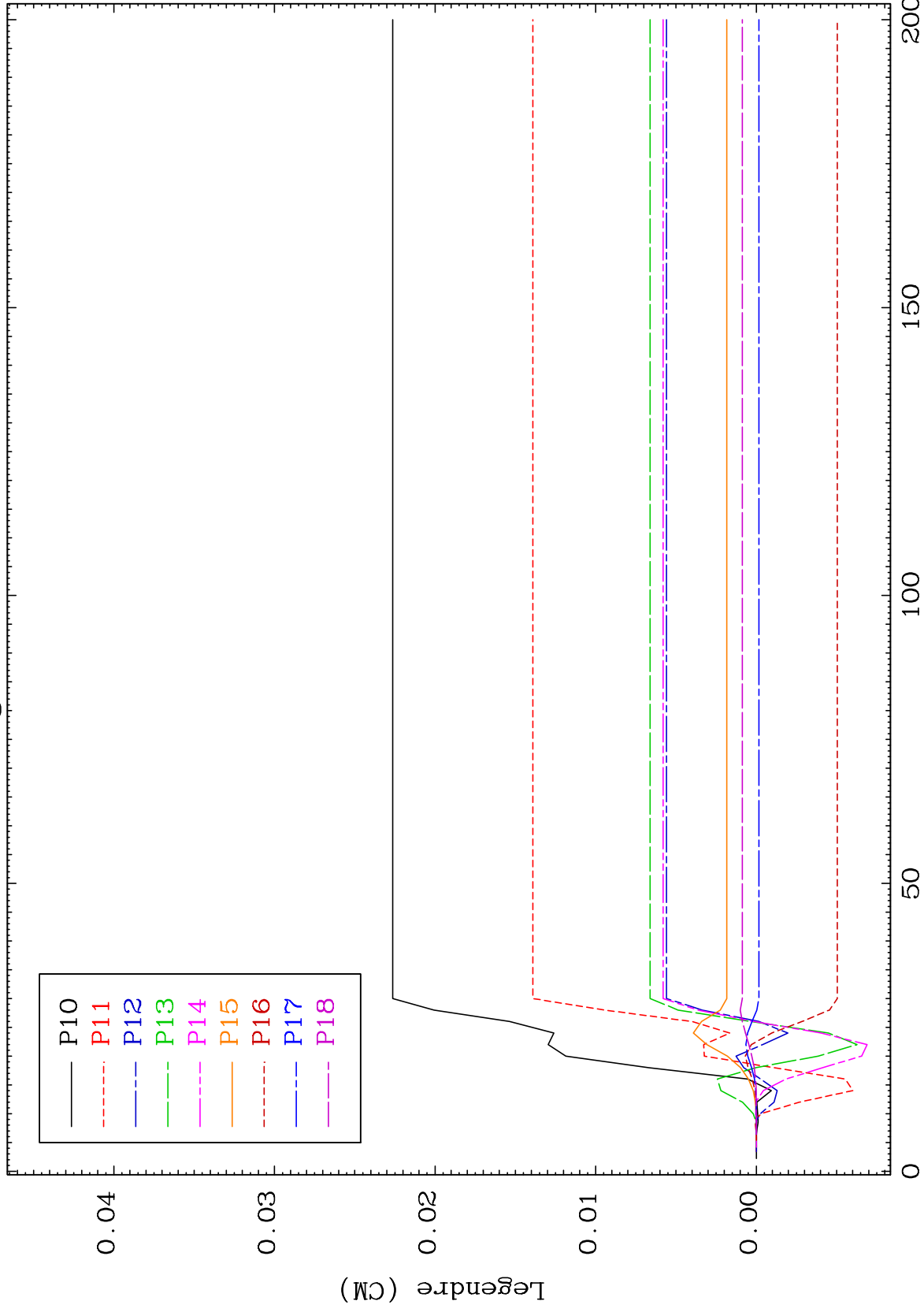




MAT 5064

1.540 MeV (n,n') Level
Legendre Coefficients

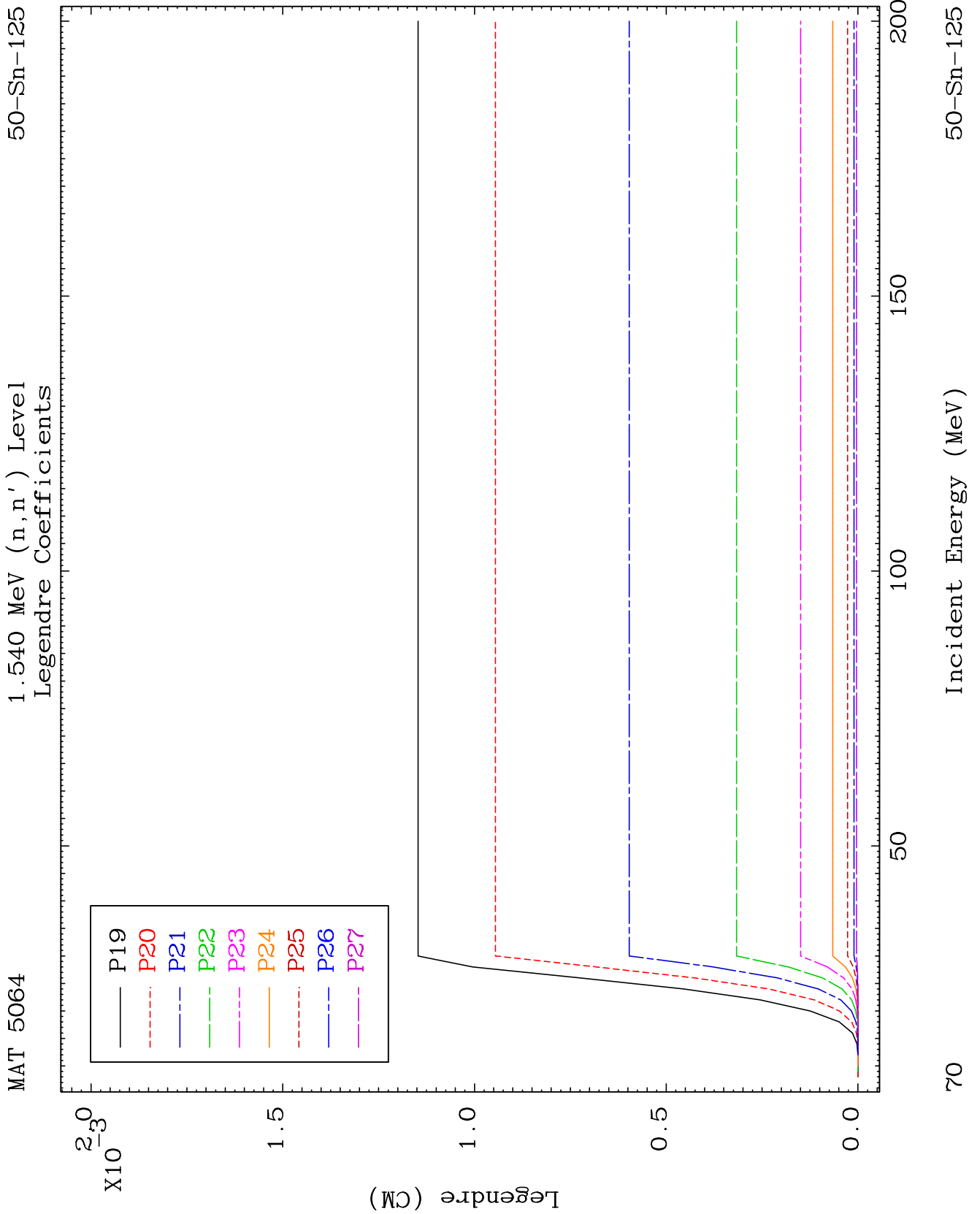
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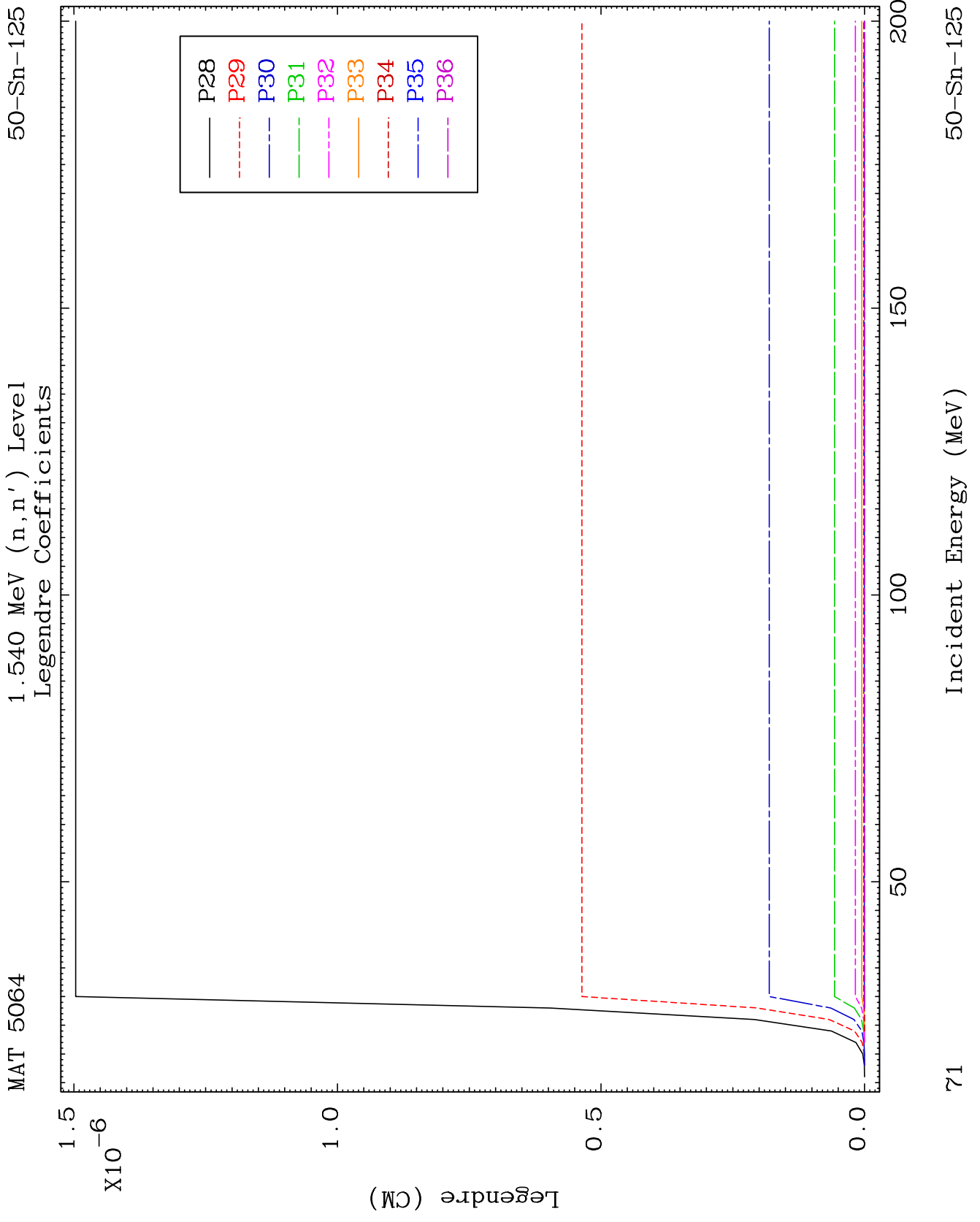


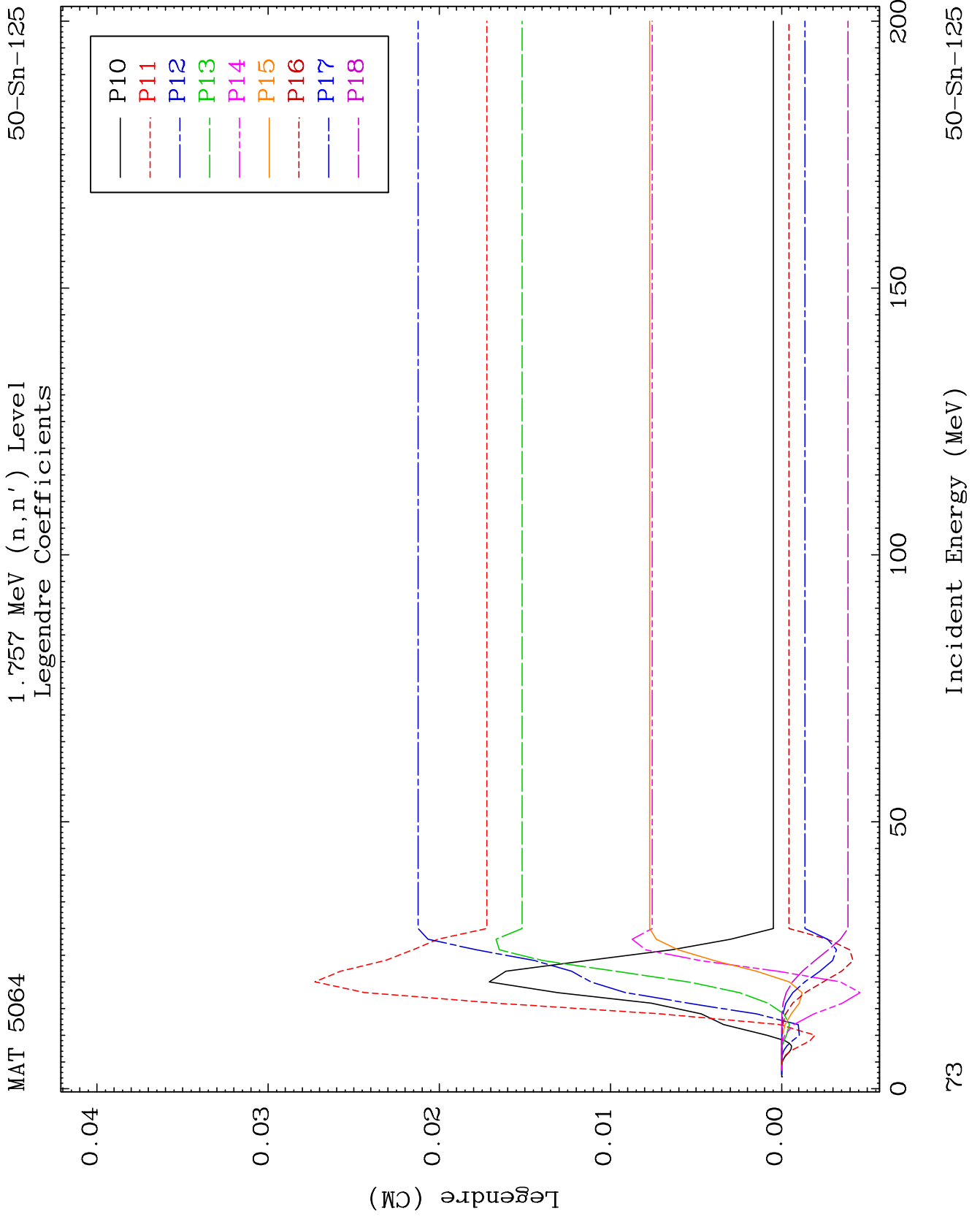
69

Incident Energy (MeV)

50-Sn-125



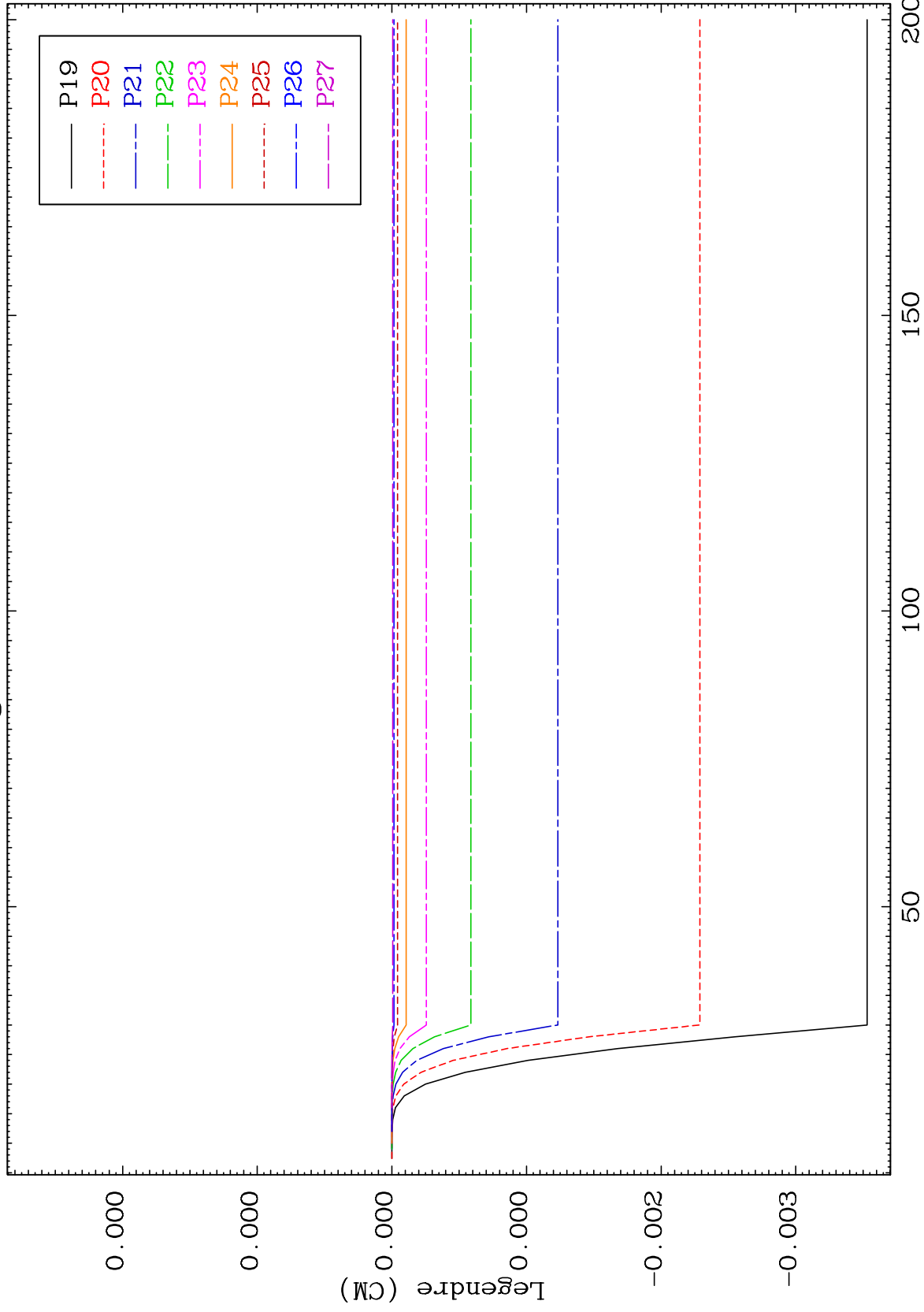




MAT 5064

1.757 MeV (n,n') Level
Legendre Coefficients

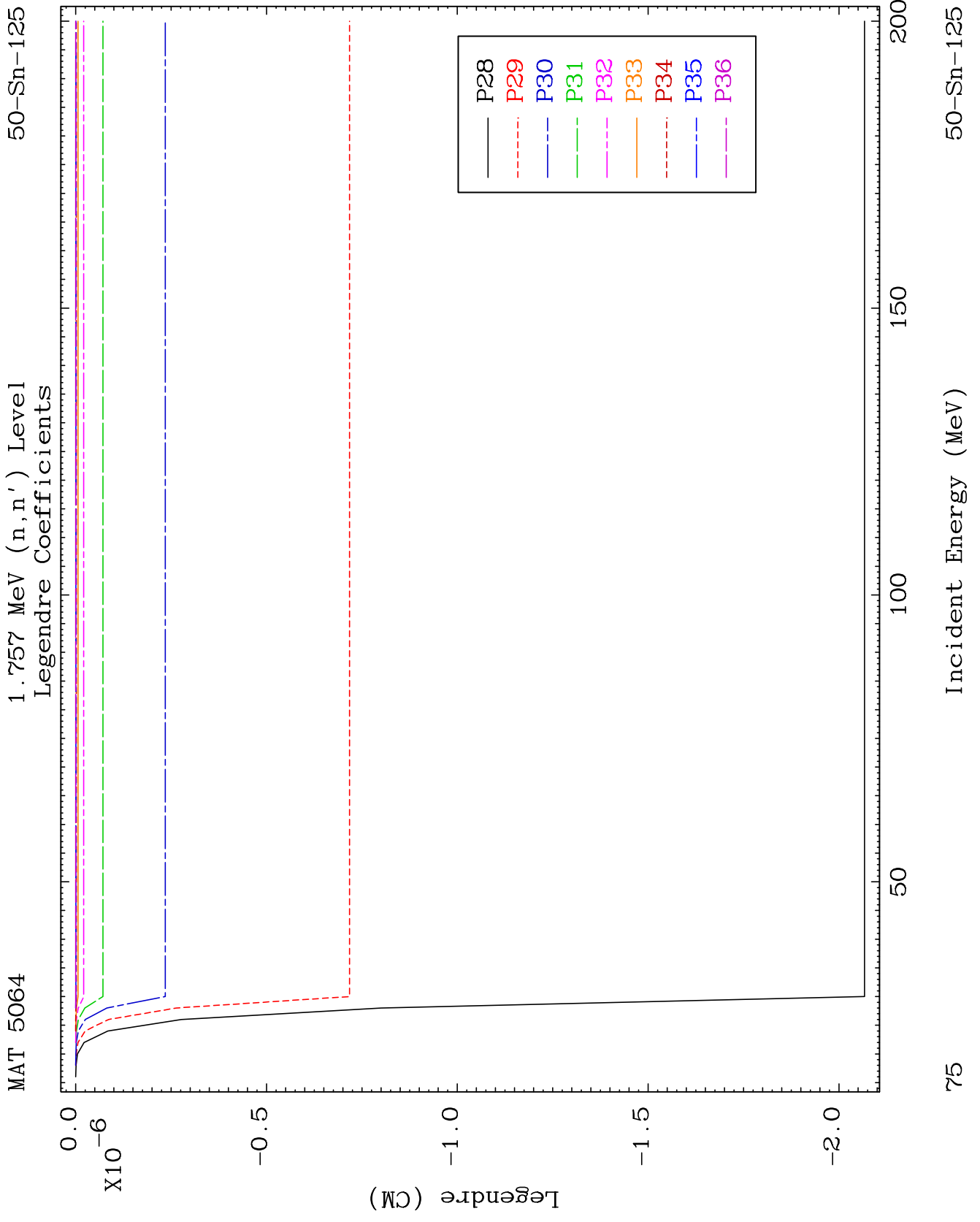
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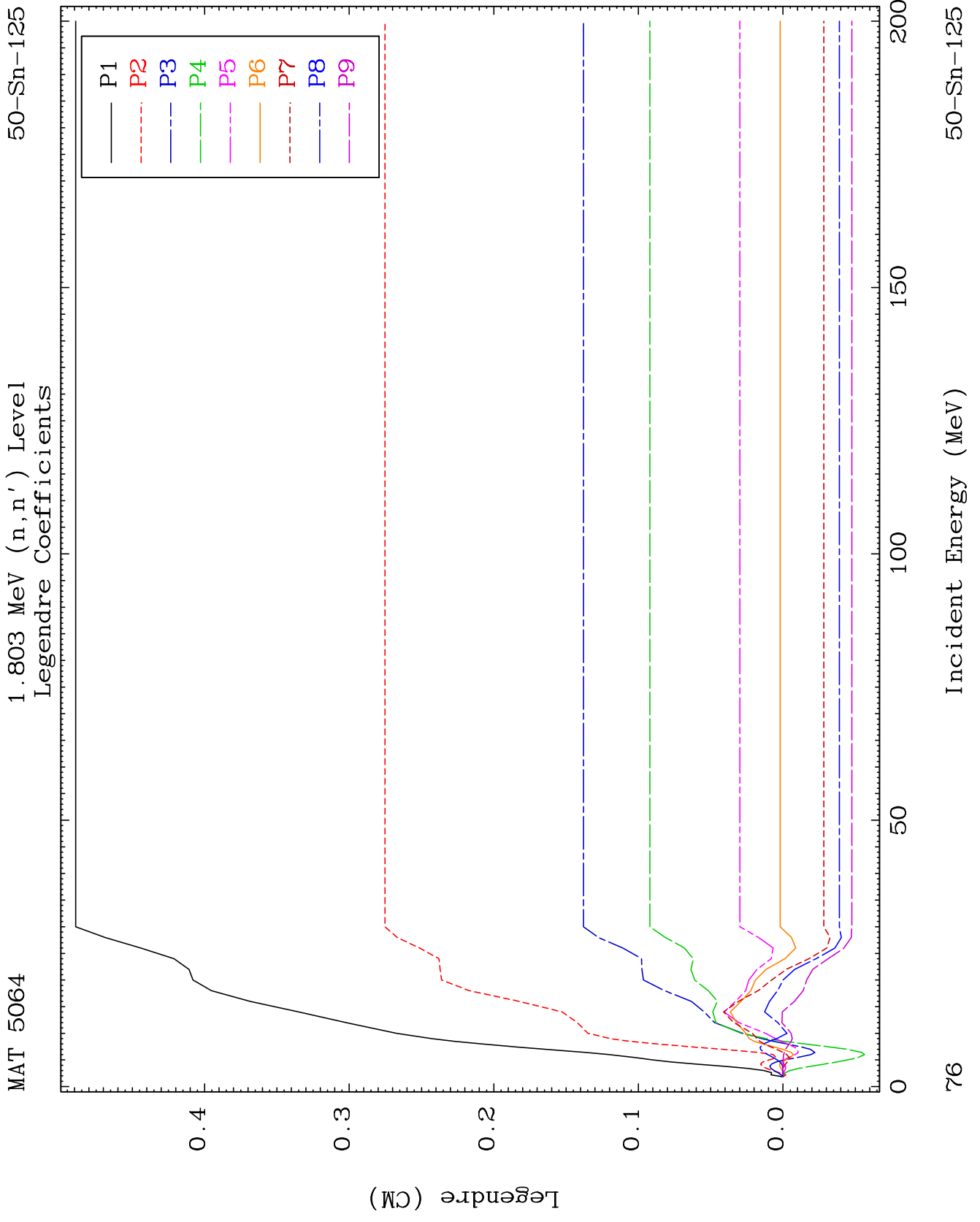


74

Incident Energy (MeV)

50-Sn-125

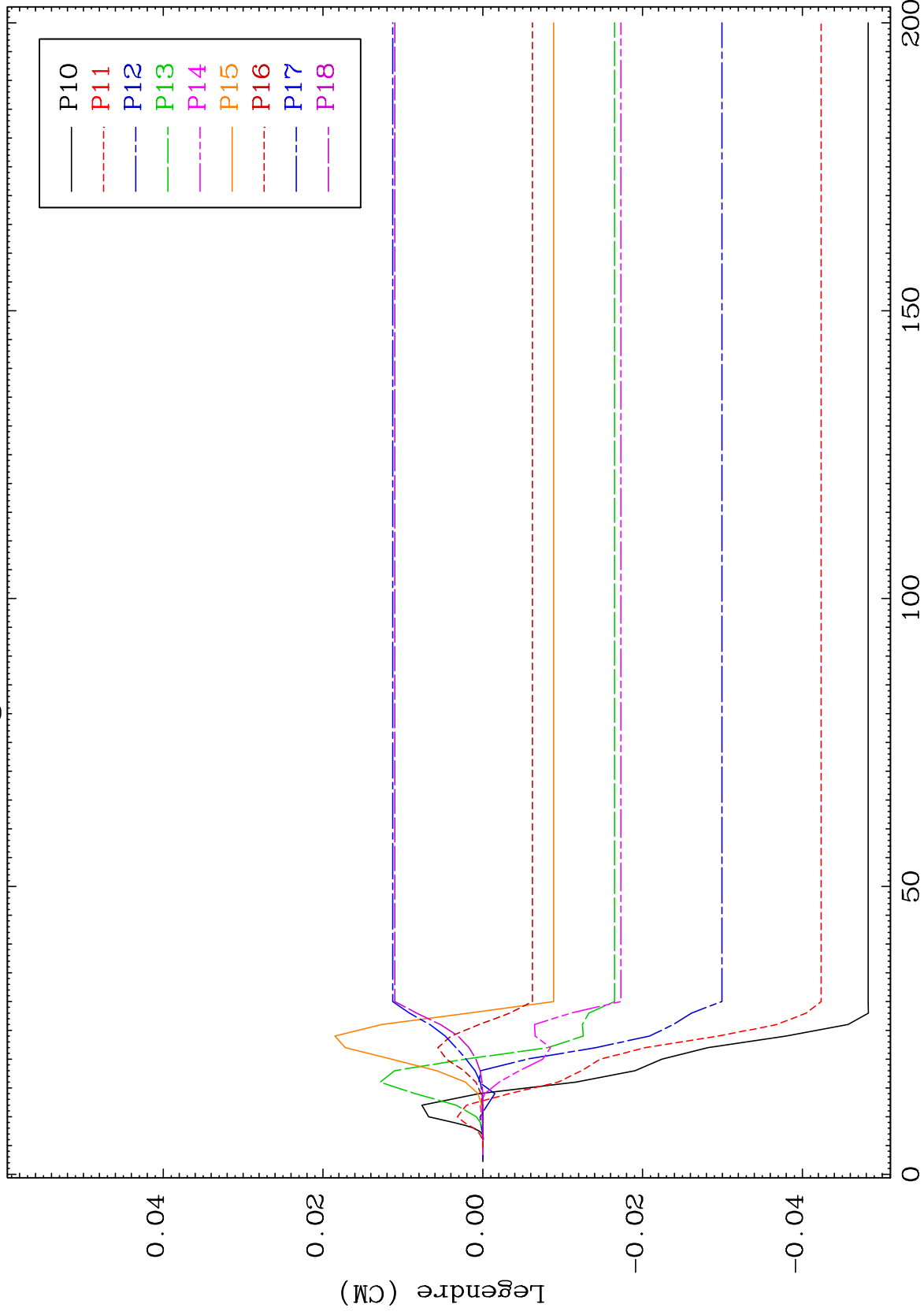




MAT 5064

1.803 MeV (n,n') Level
Legendre Coefficients

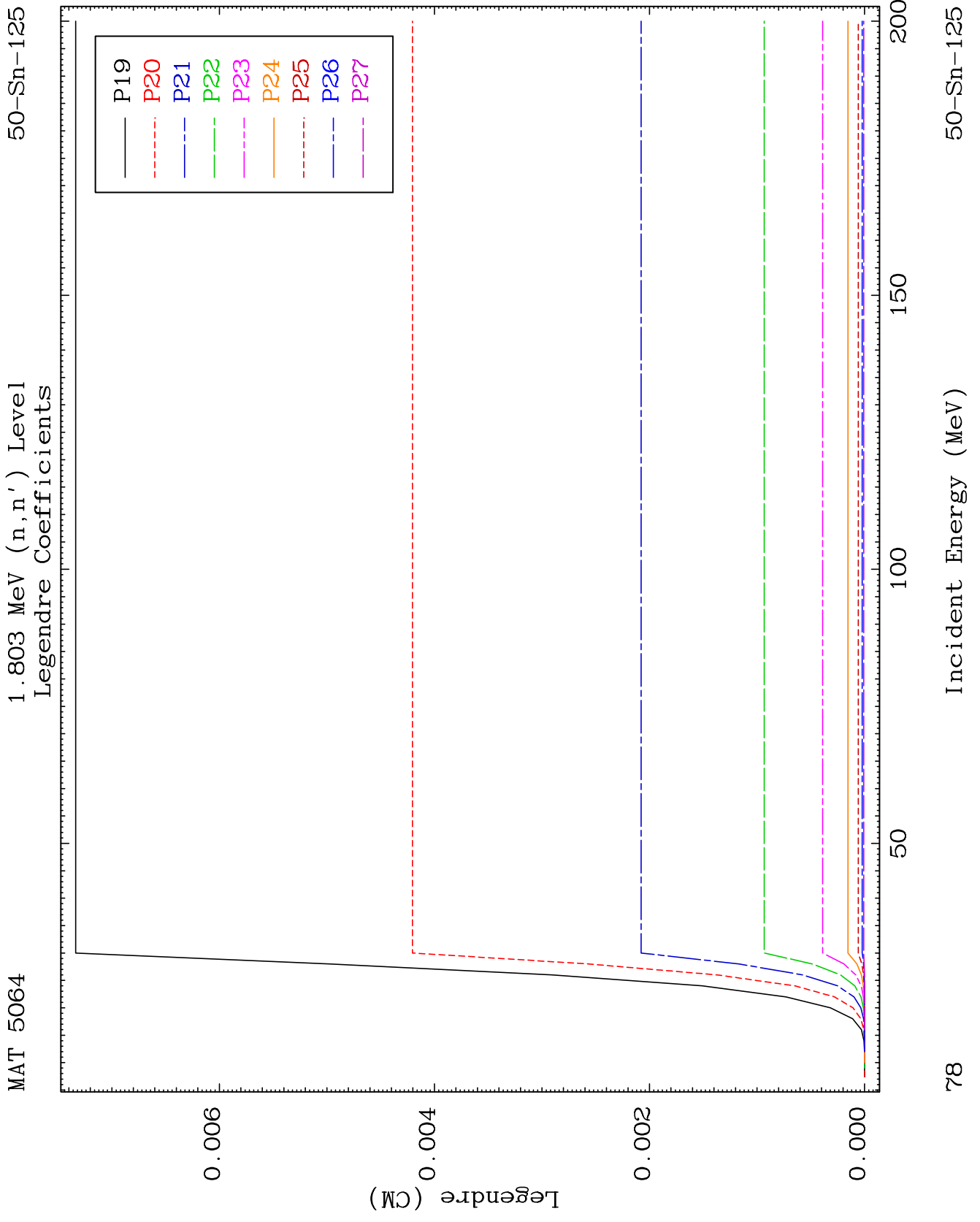
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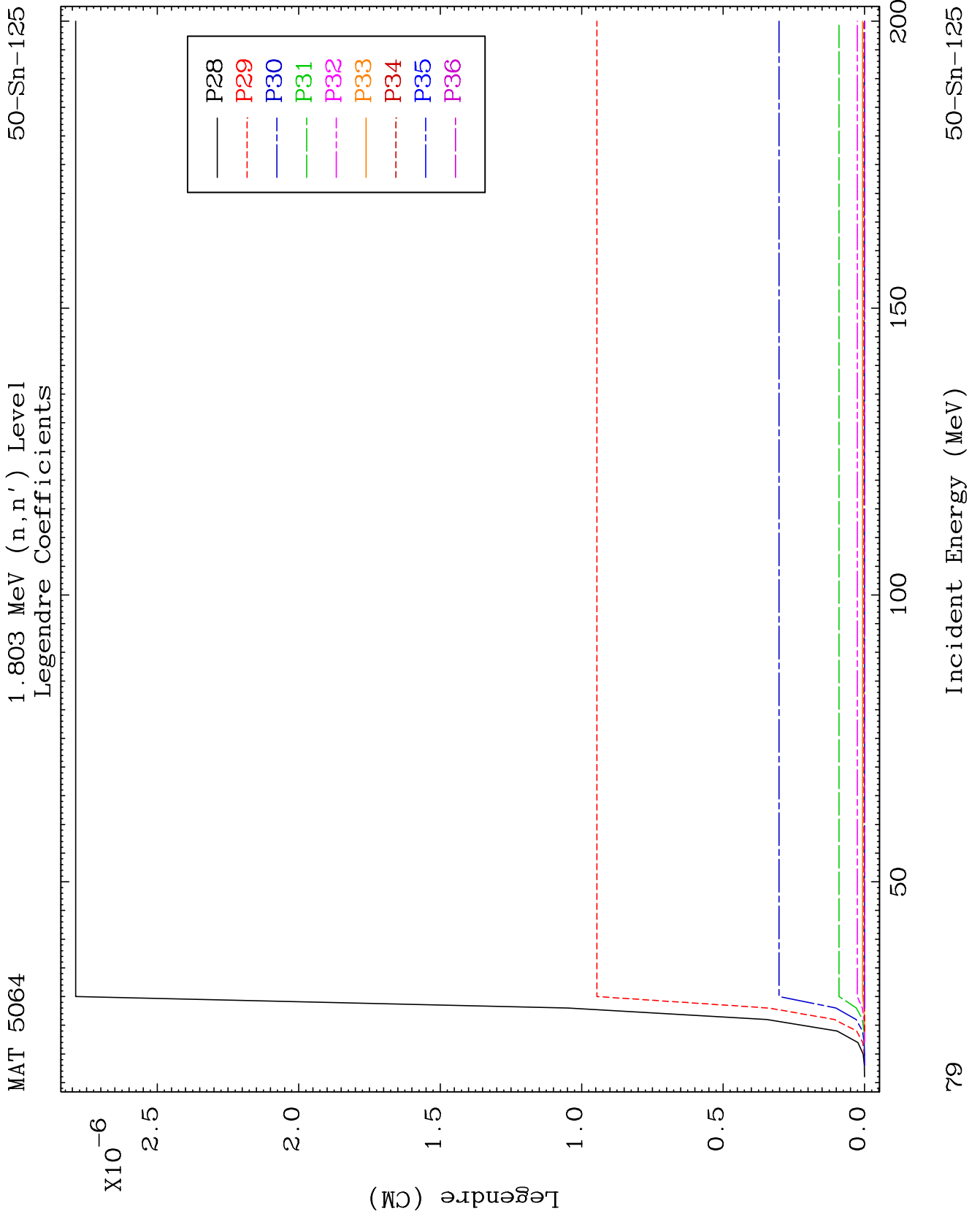


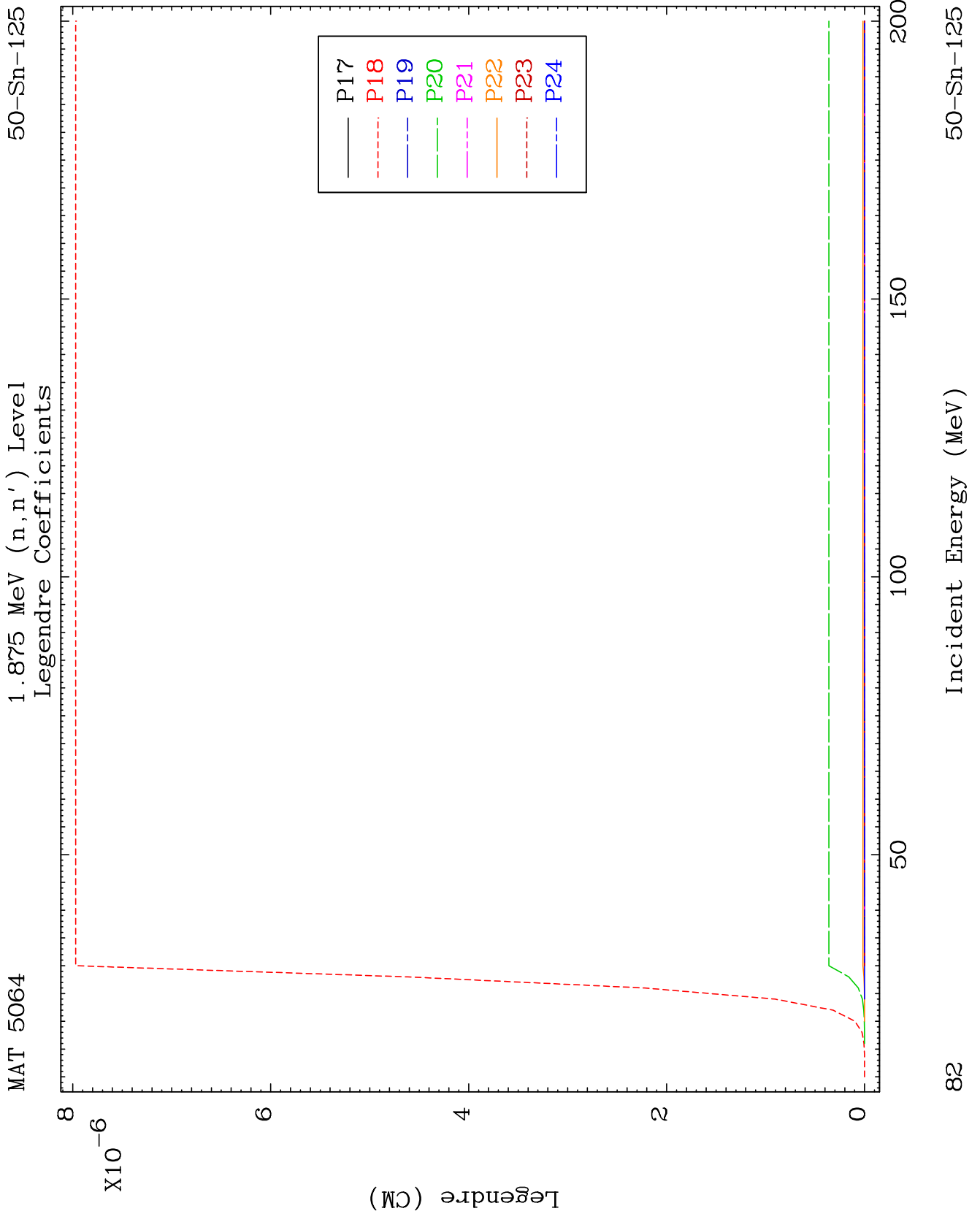
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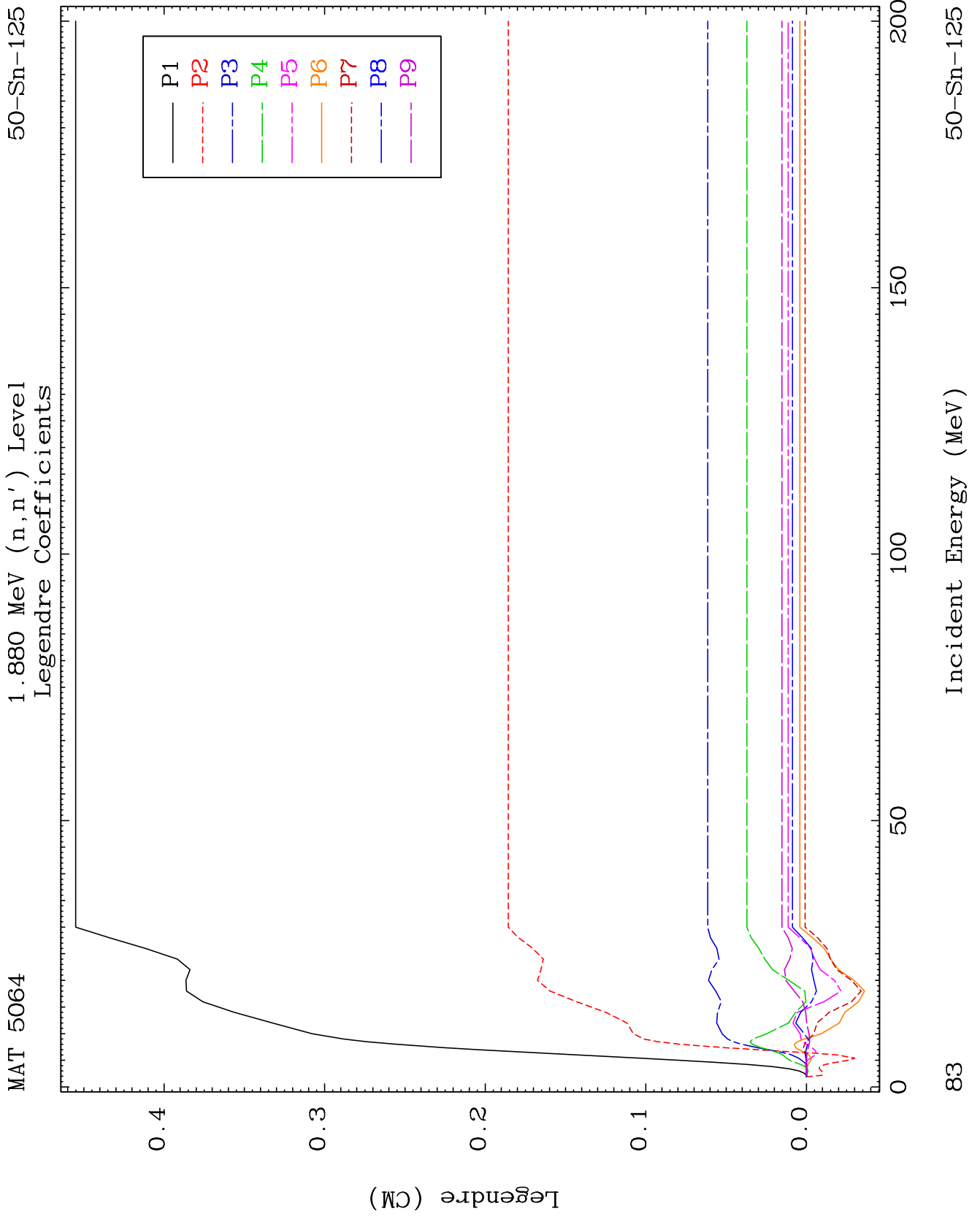
Incident Energy (MeV)

50-Sn-125





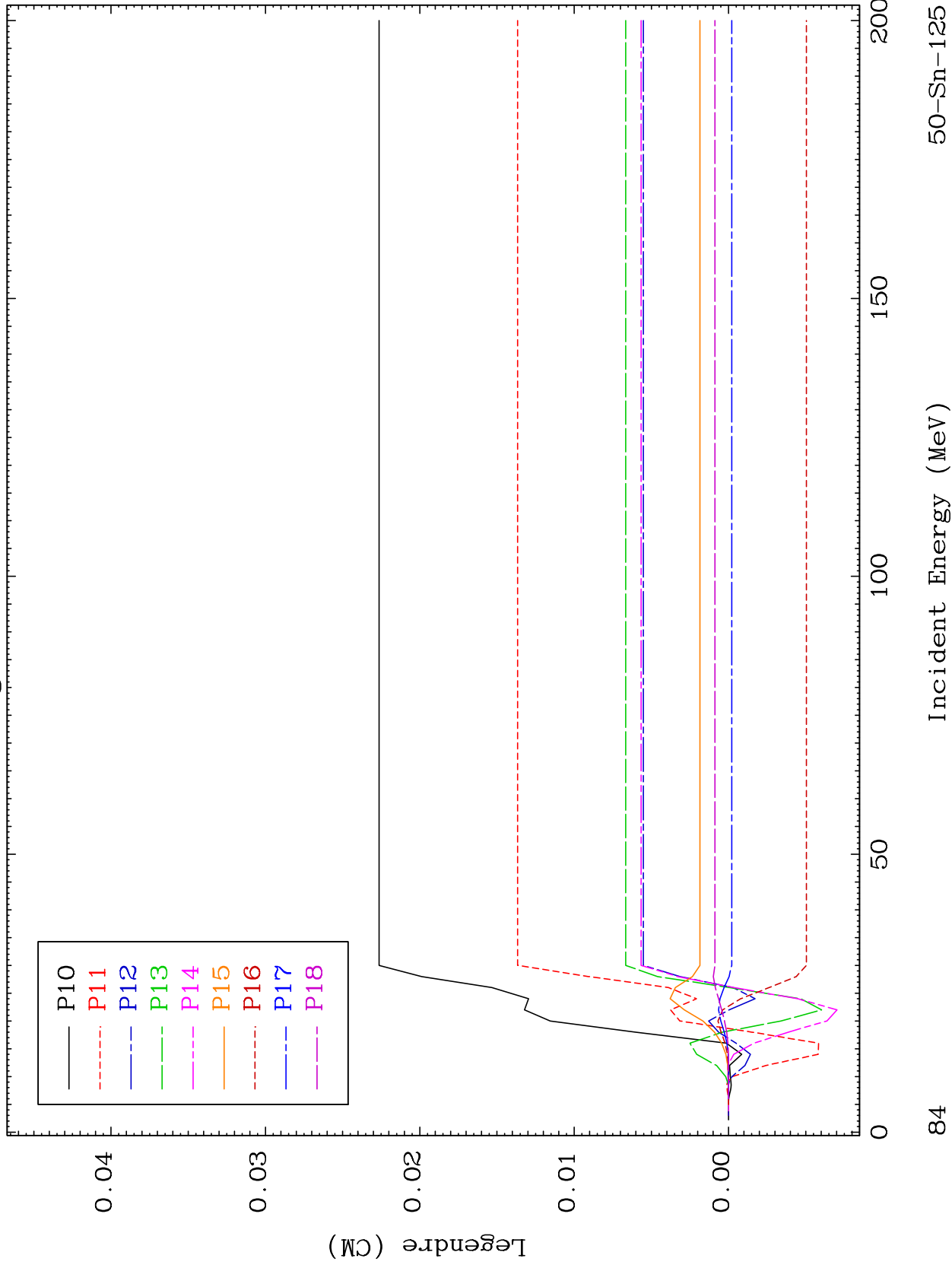




MAT 5064

1.880 MeV (n,n') Level
Legendre Coefficients

50-Sn-125



84

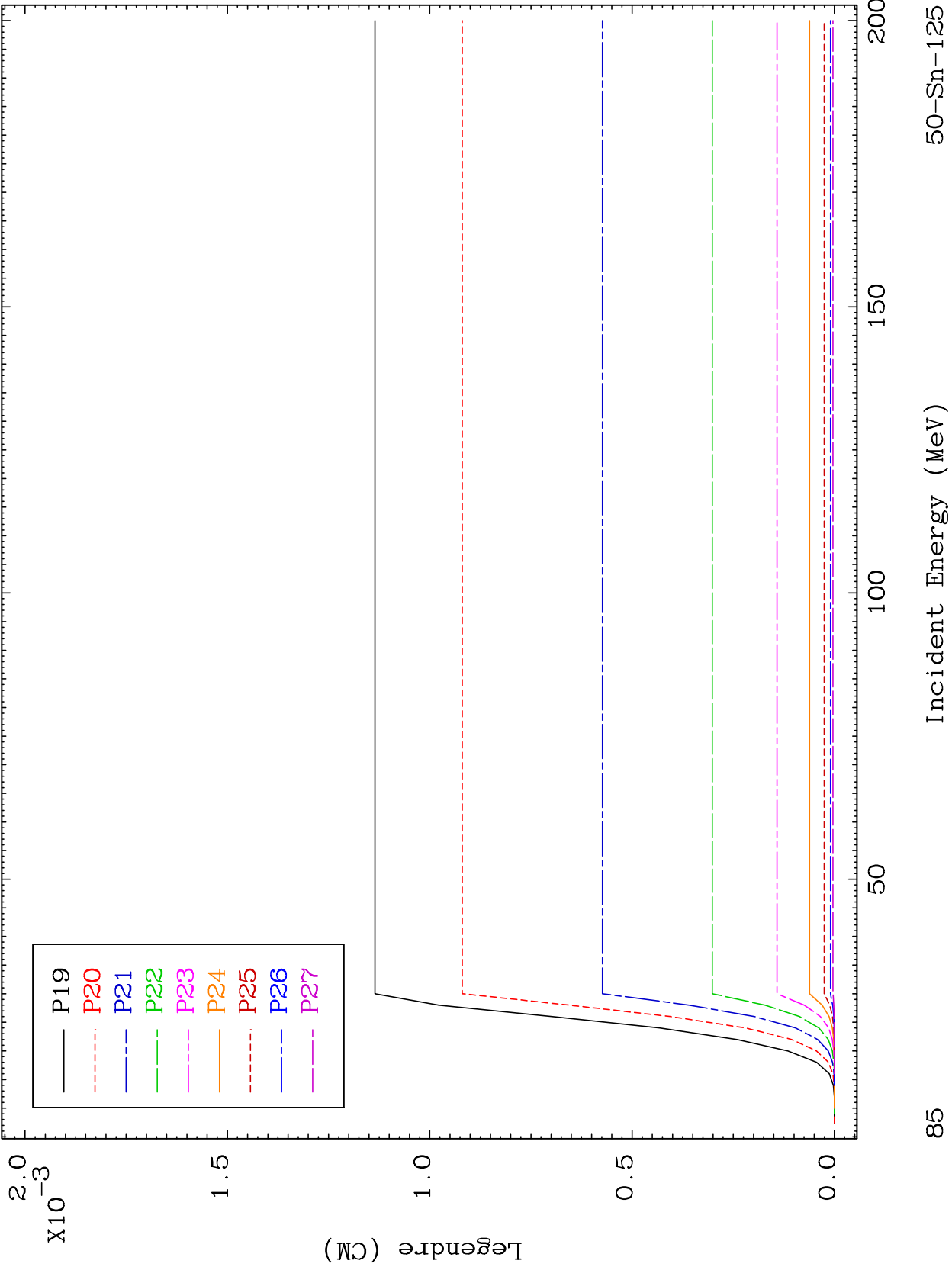
Incident Energy (MeV)

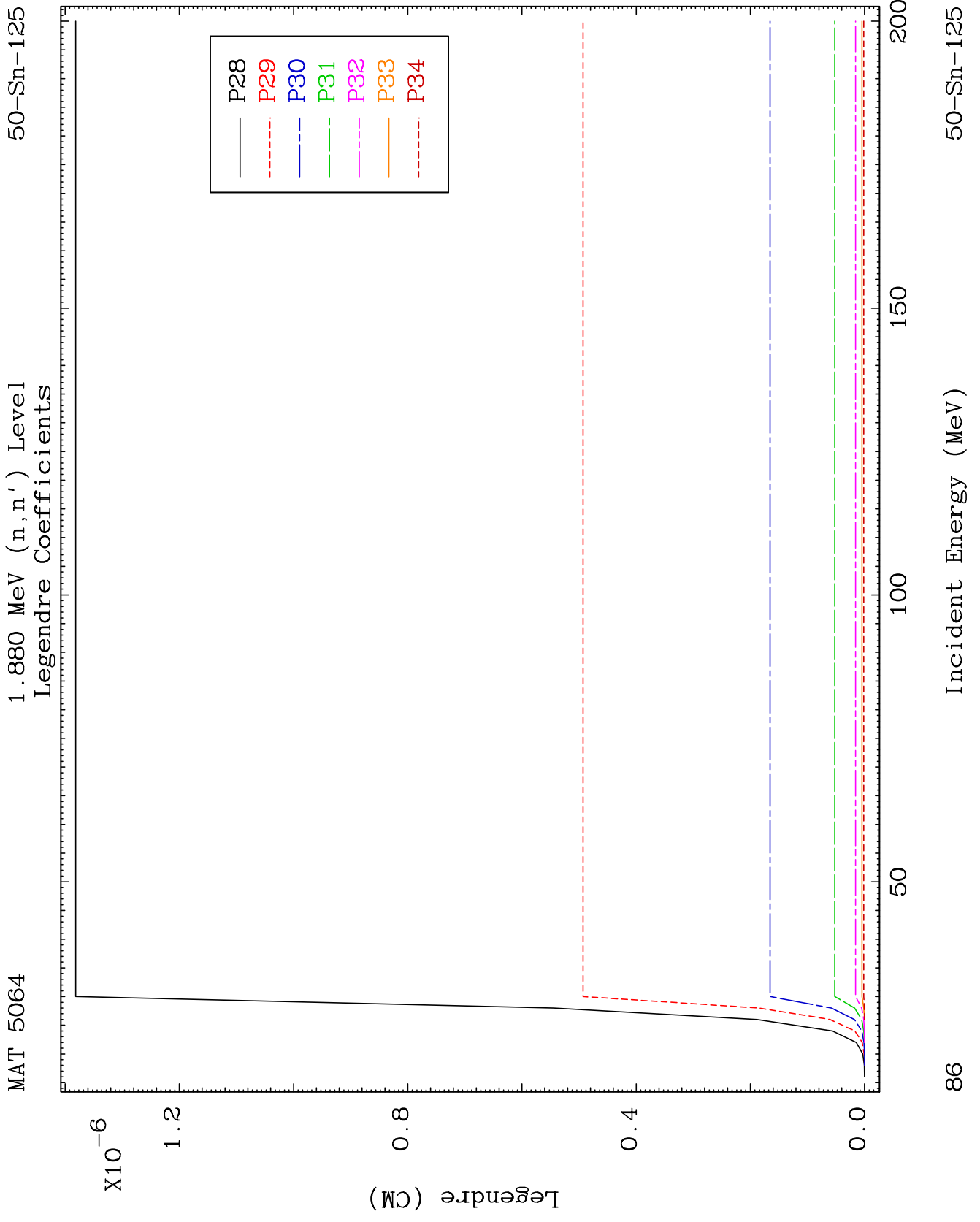
50-Sn-125

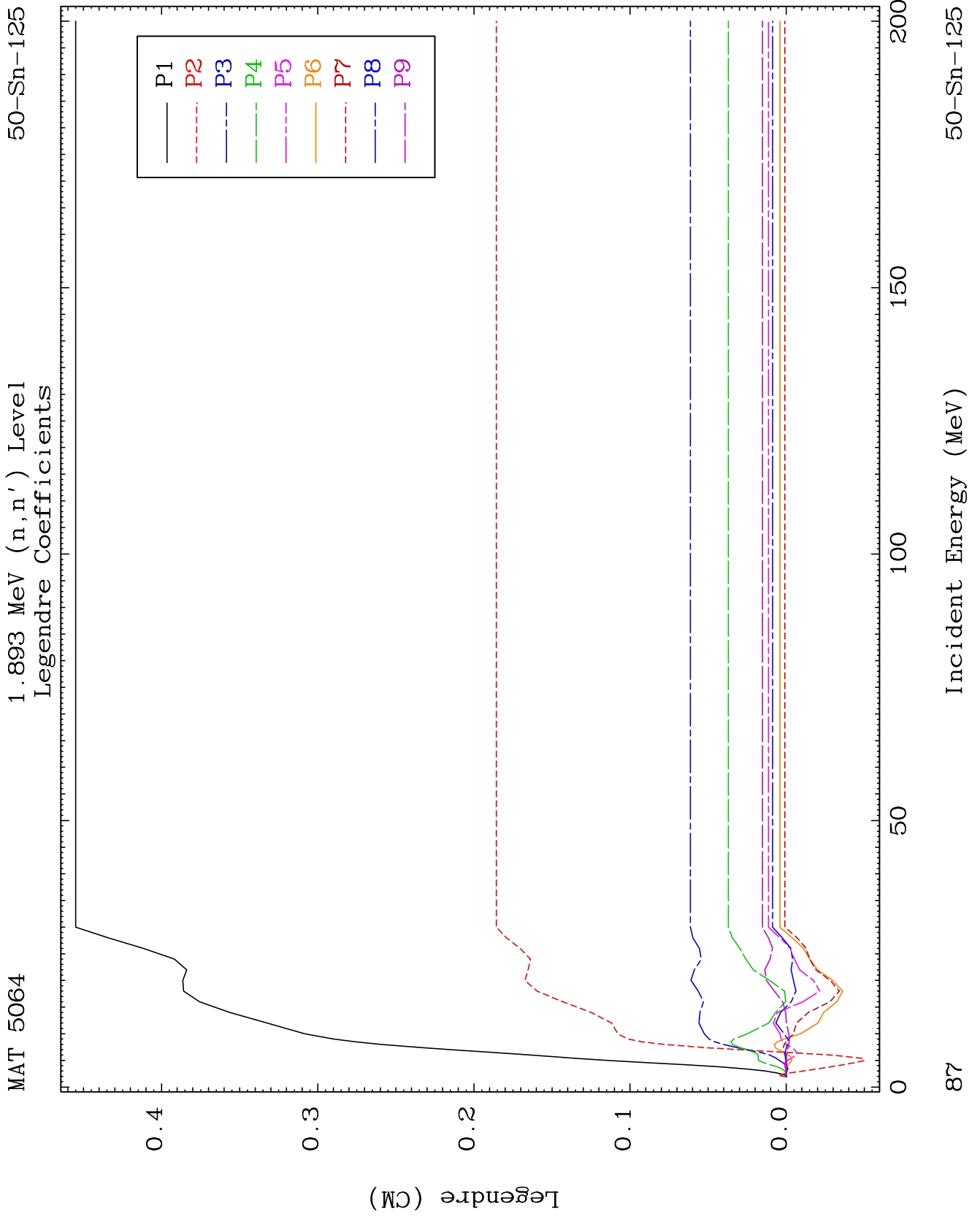
MAT 5064

1.880 MeV (n,n') Level
Legendre Coefficients

50-Sn-125



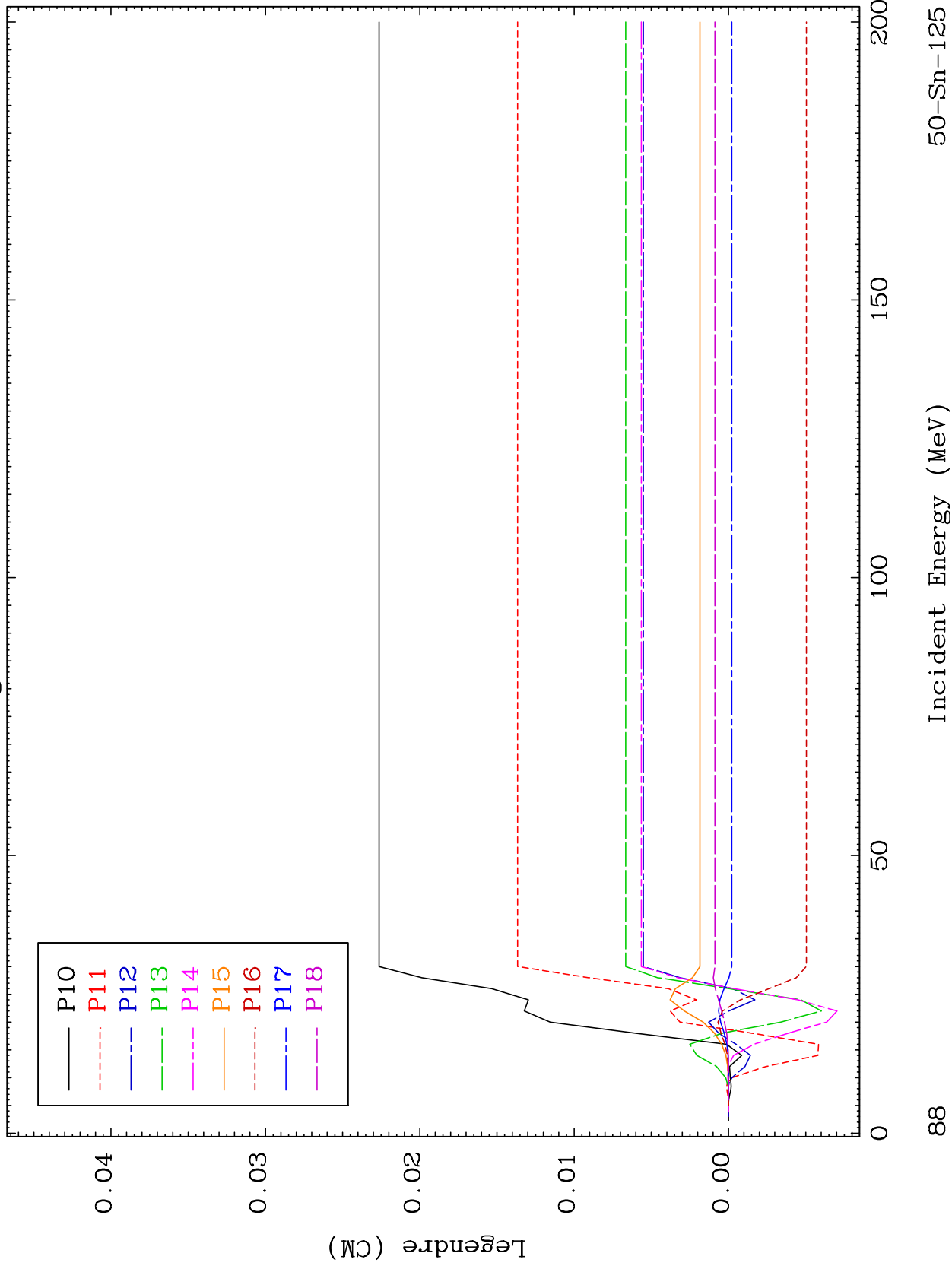




MAT 5064

1.893 MeV (n,n') Level
Legendre Coefficients

50-Sn-125



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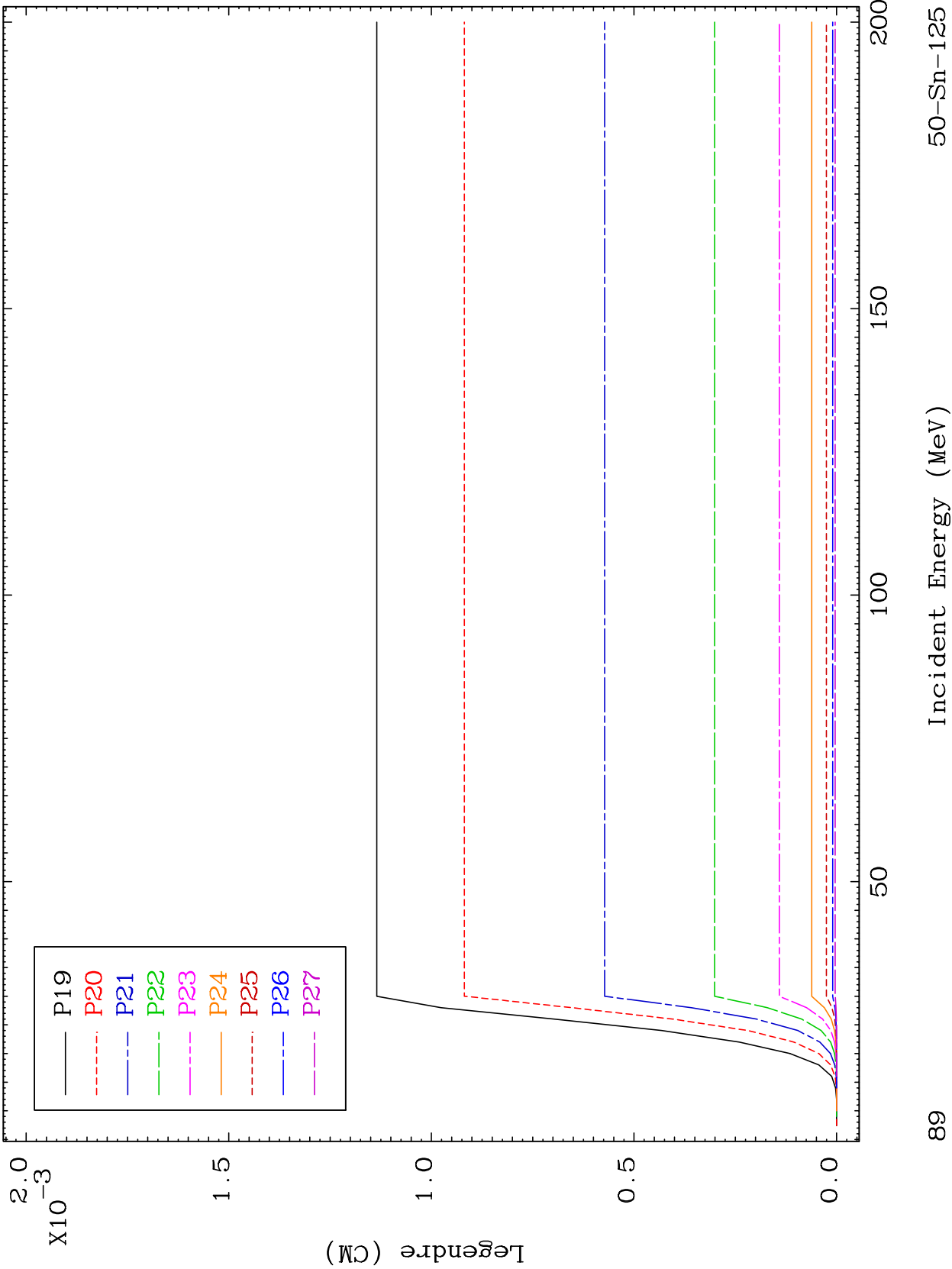
Incident Energy (MeV)

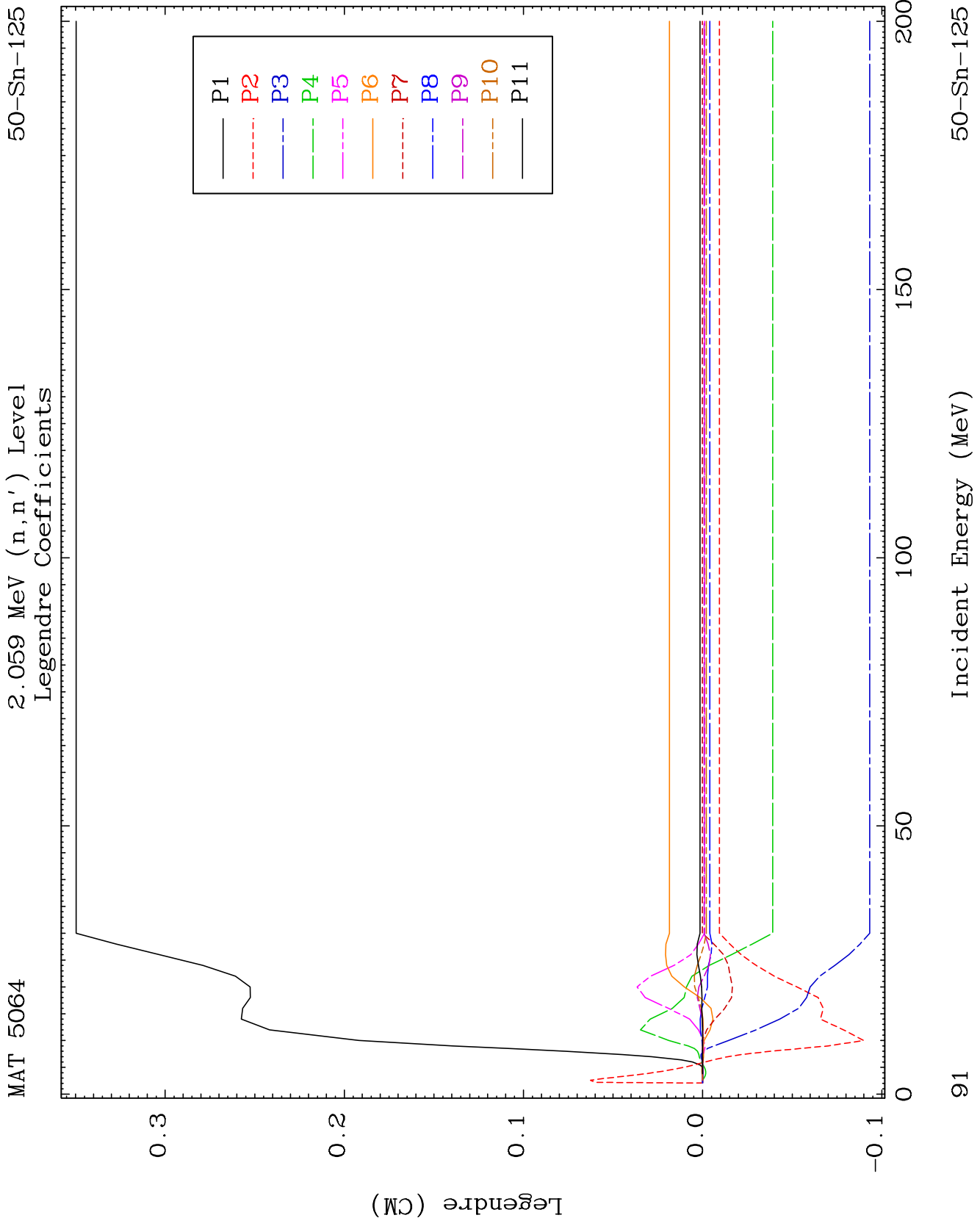
50-Sn-125

MAT 5064

1.893 MeV (n,n') Level
Legendre Coefficients

50-Sn-125

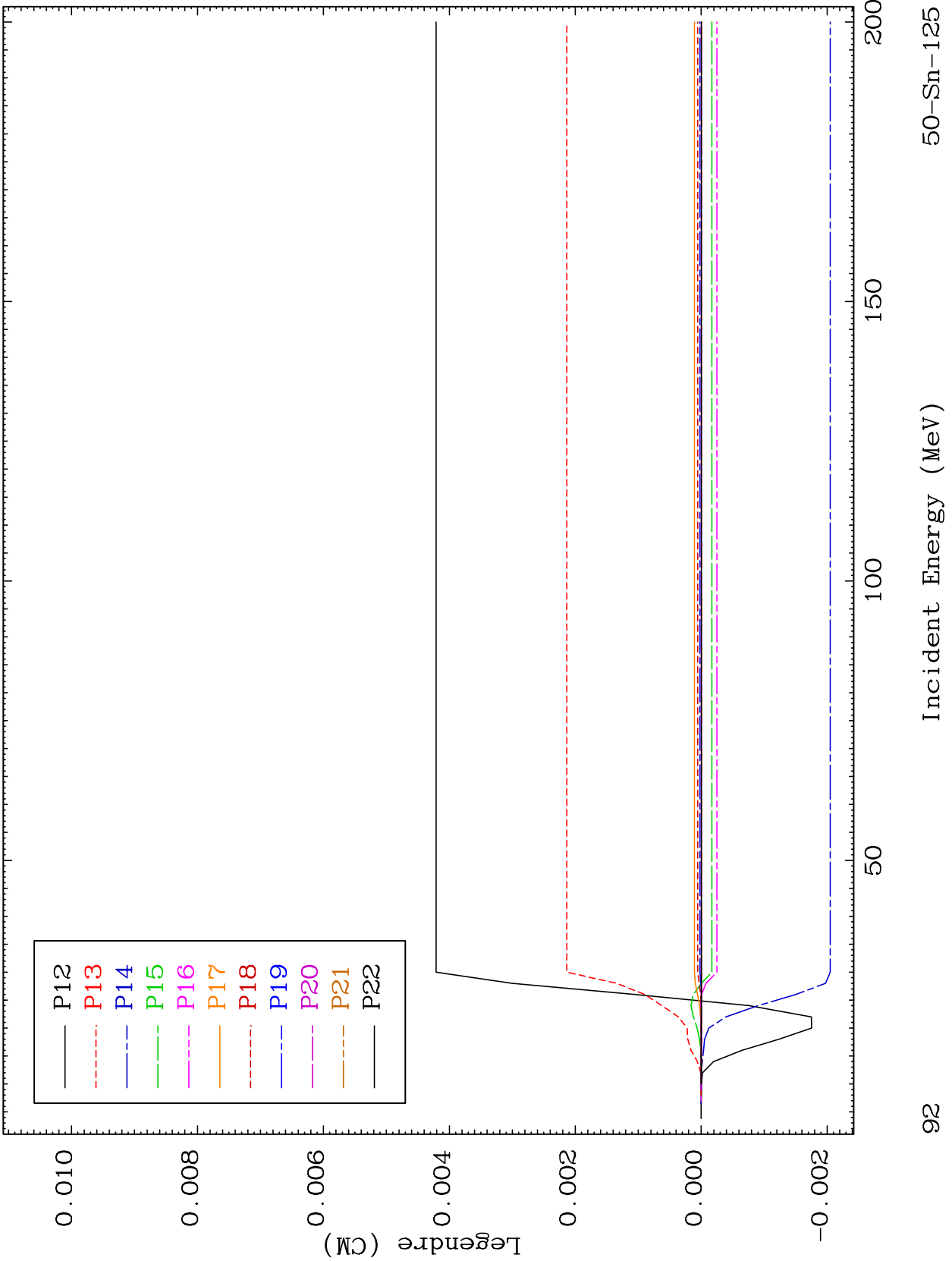


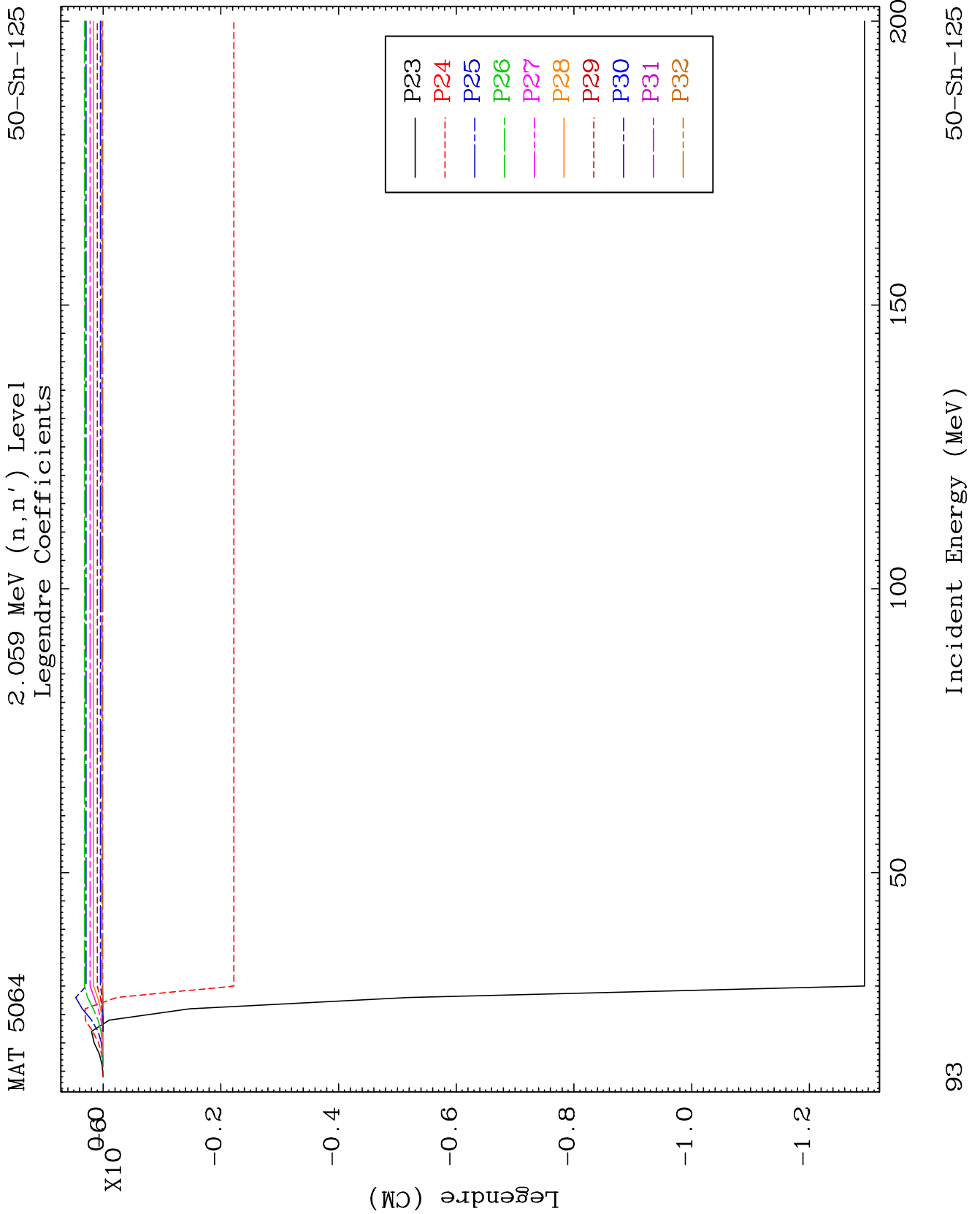


MAT 5064

2.059 MeV (n,n') Level
Legendre Coefficients

50-Sn-125

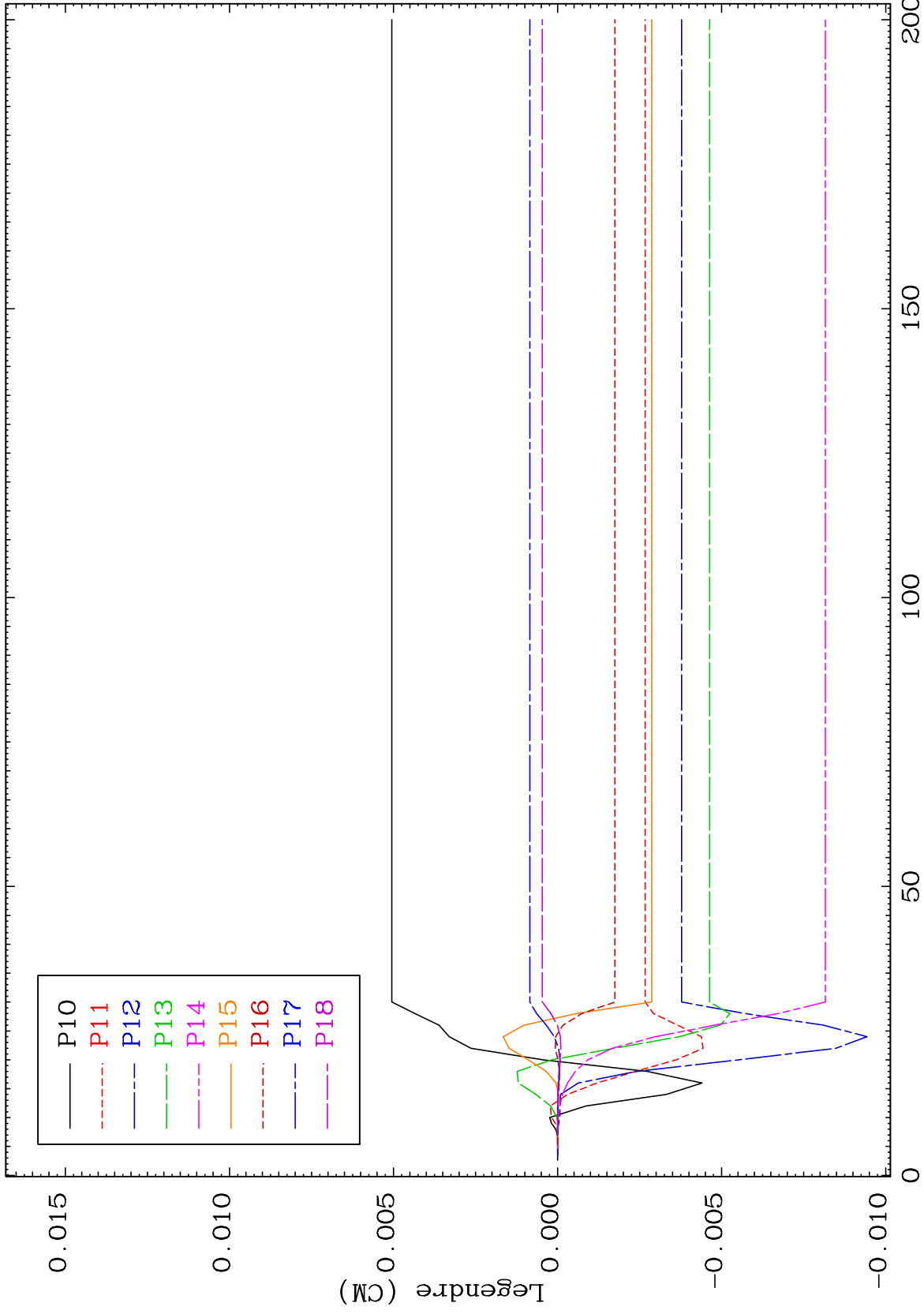




MAT 5064

2.076 MeV (n,n') Level
Legendre Coefficients

50-Sn-125



95

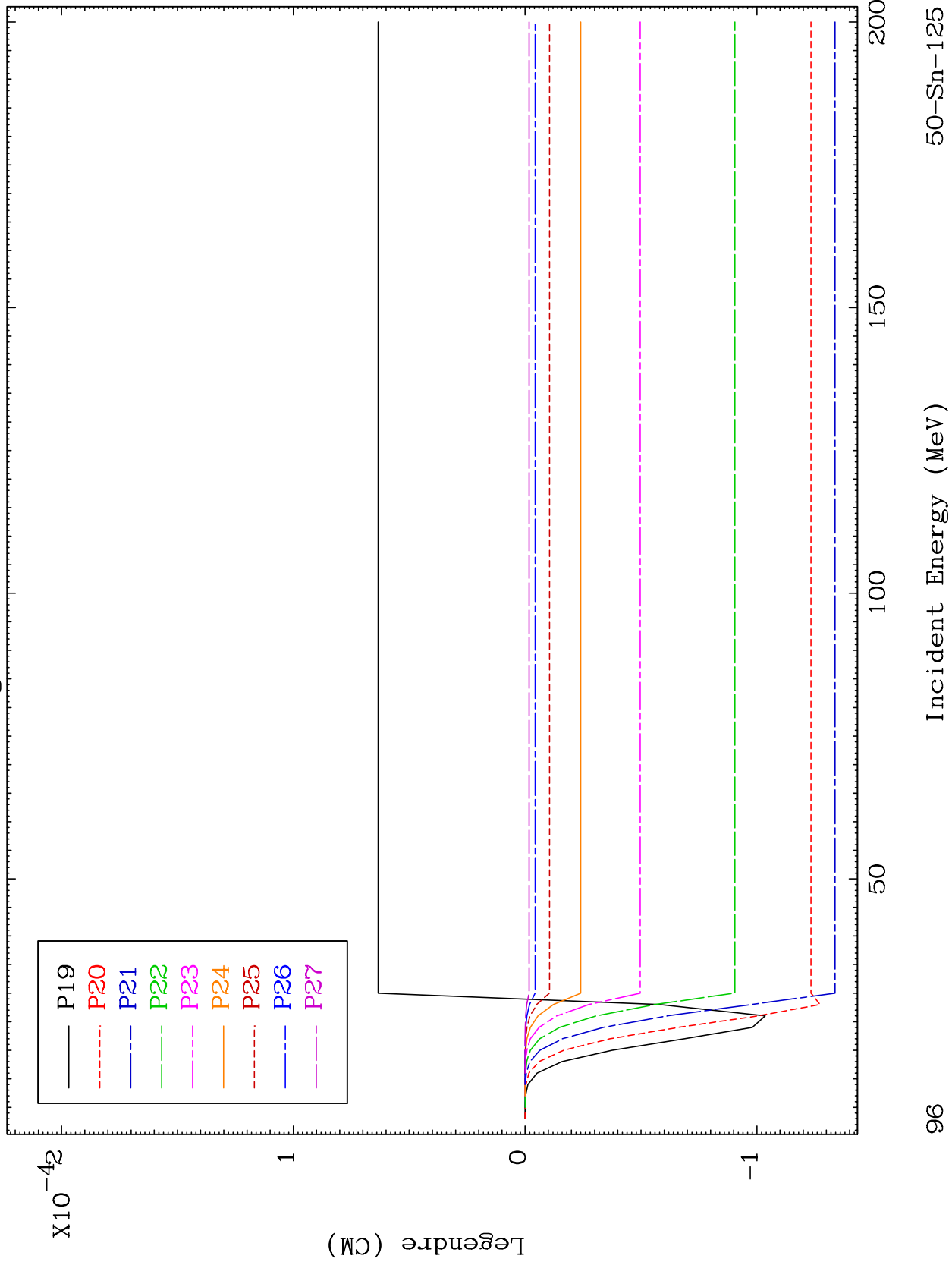
Incident Energy (MeV)

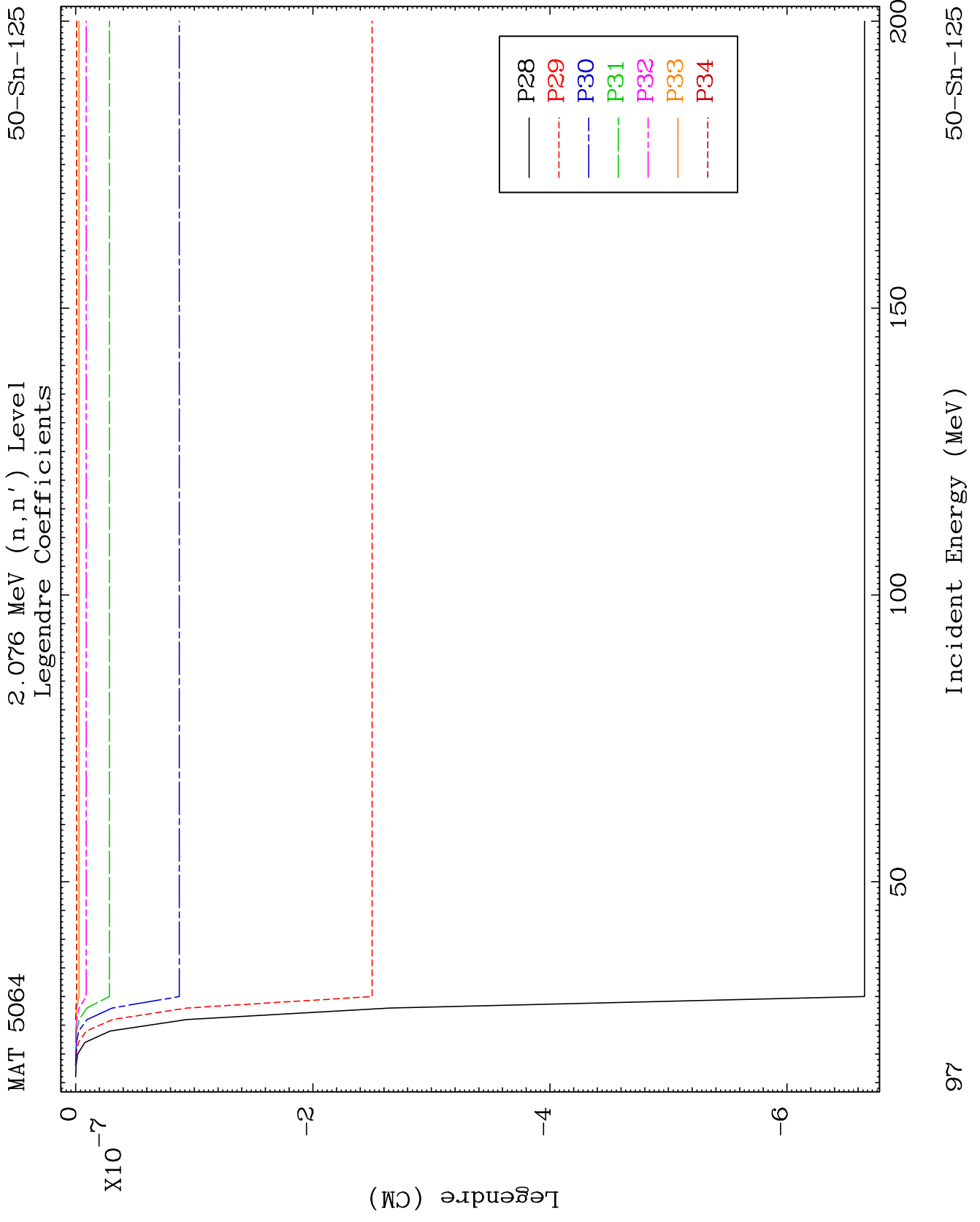
50-Sn-125

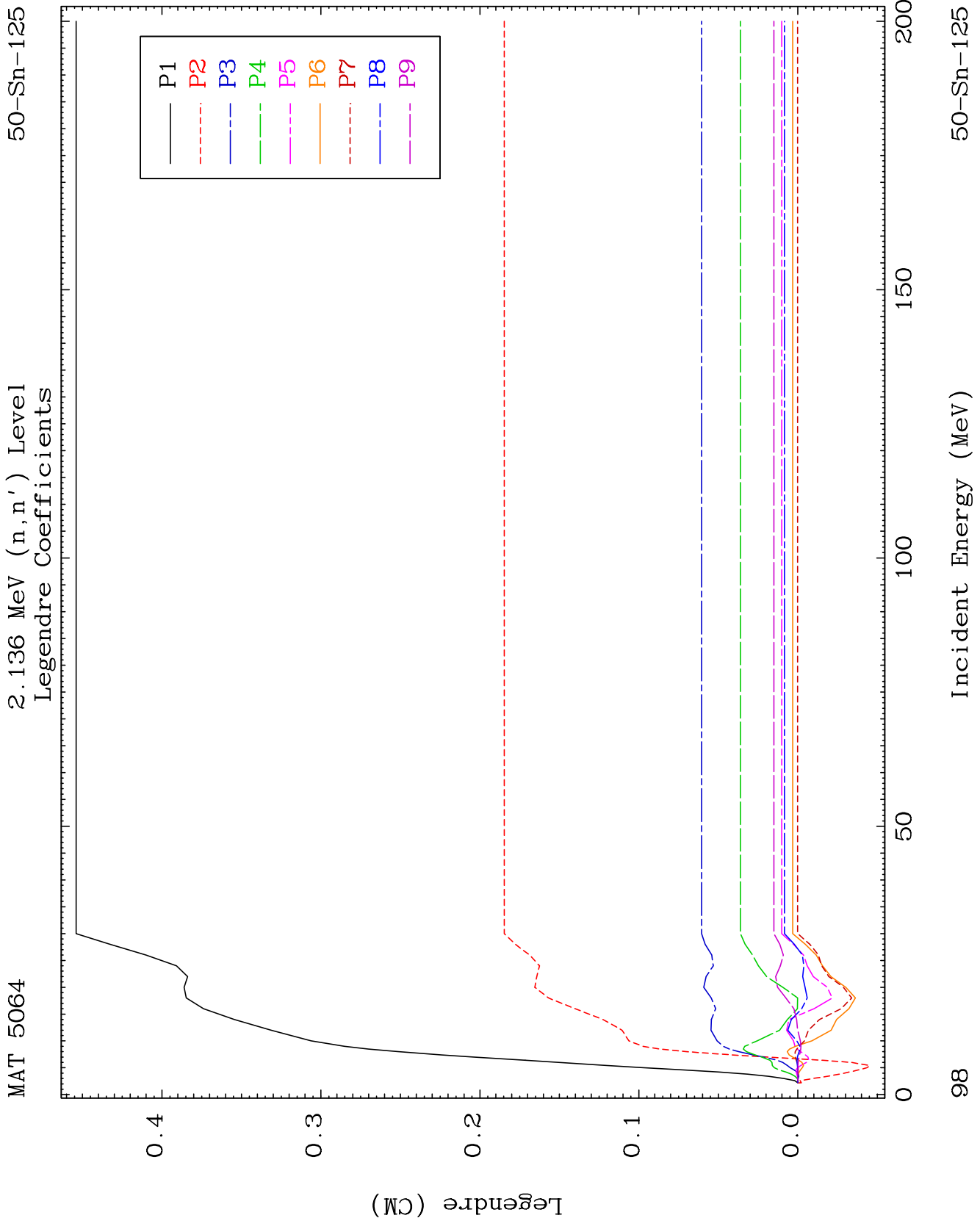
MAT 5064

2.076 MeV (n, n') Level
Legendre Coefficients

50-Sn-125



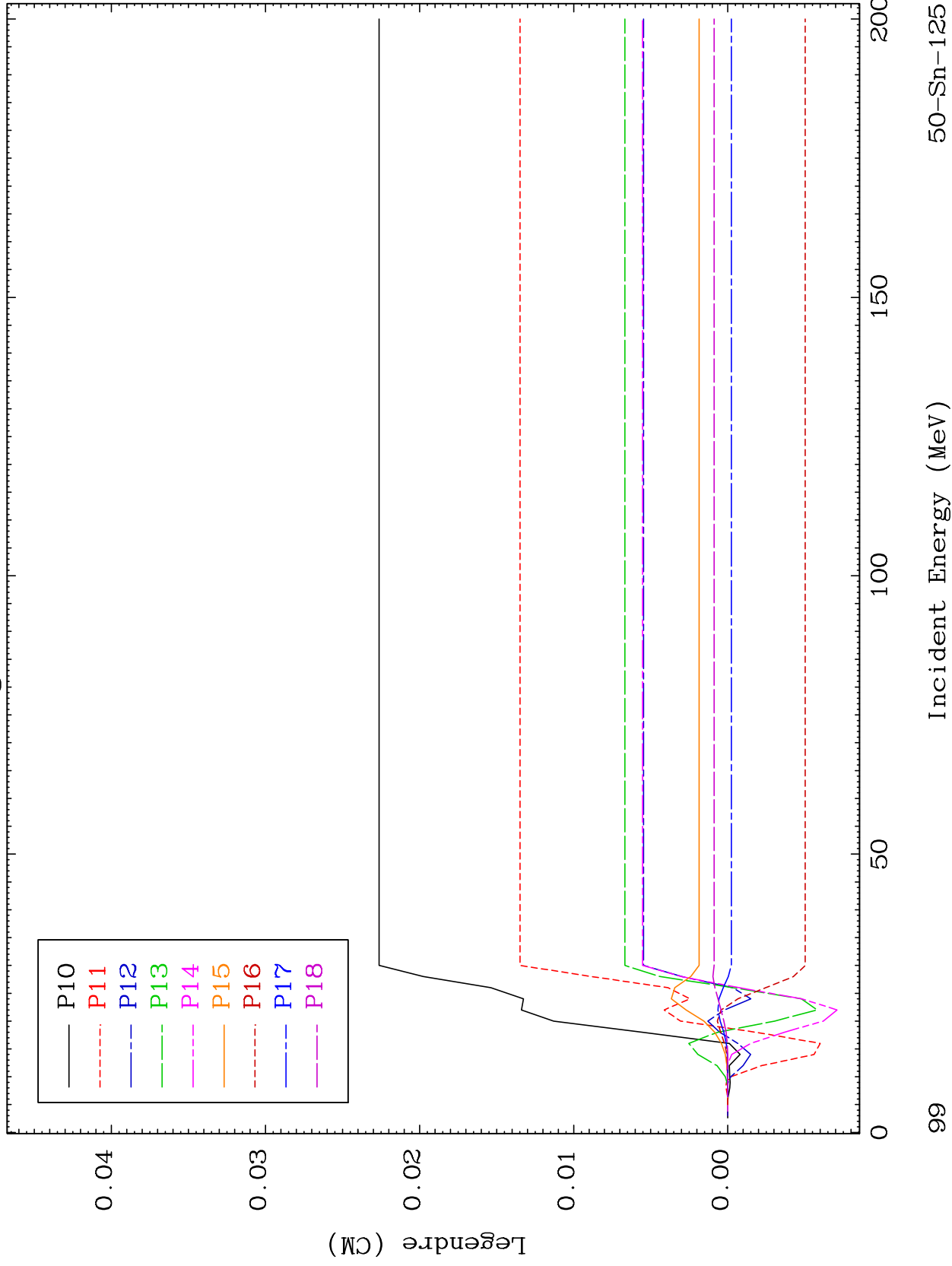




MAT 5064

2.136 MeV (n,n') Level
Legendre Coefficients

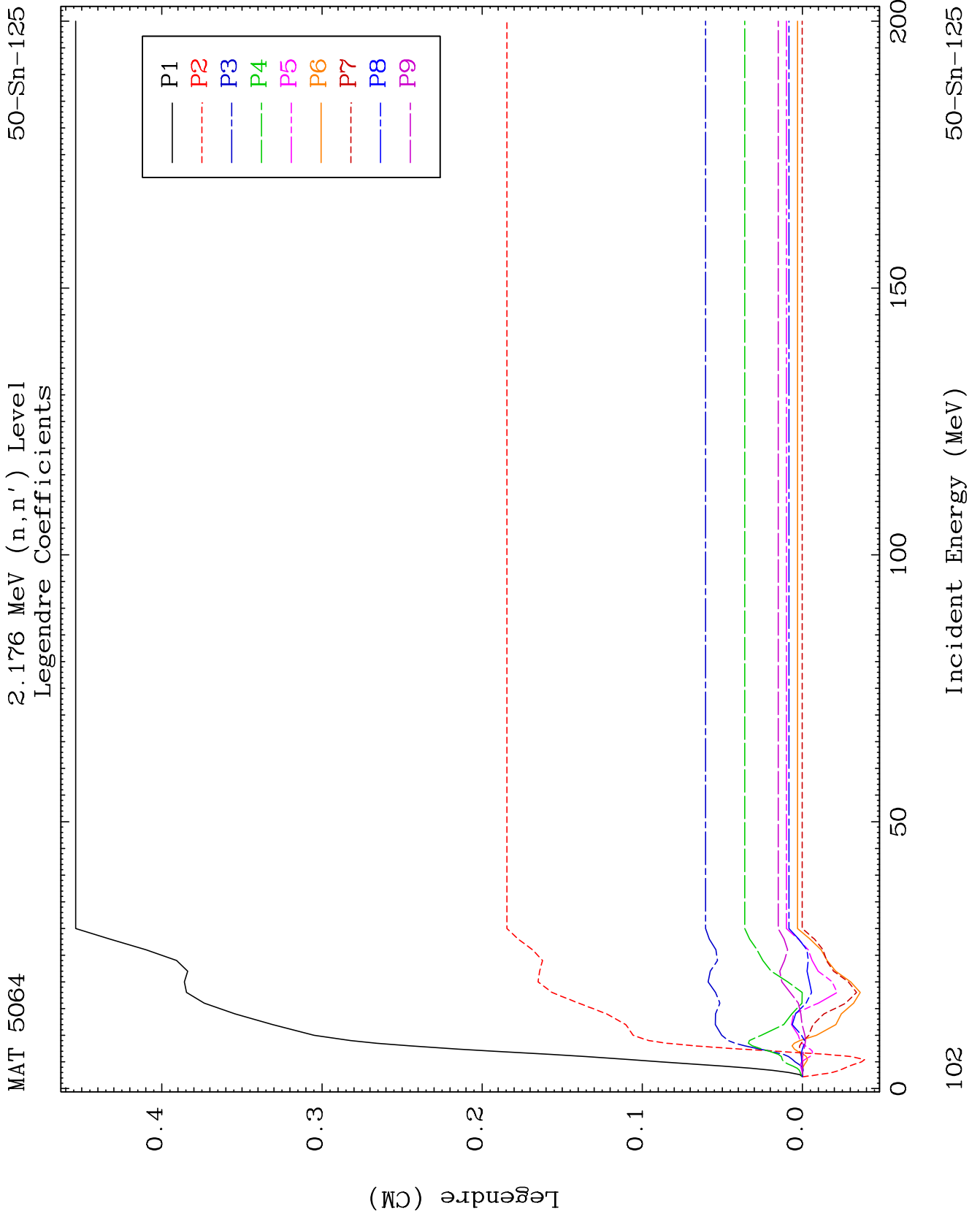
50-Sn-125



99

Incident Energy (MeV)

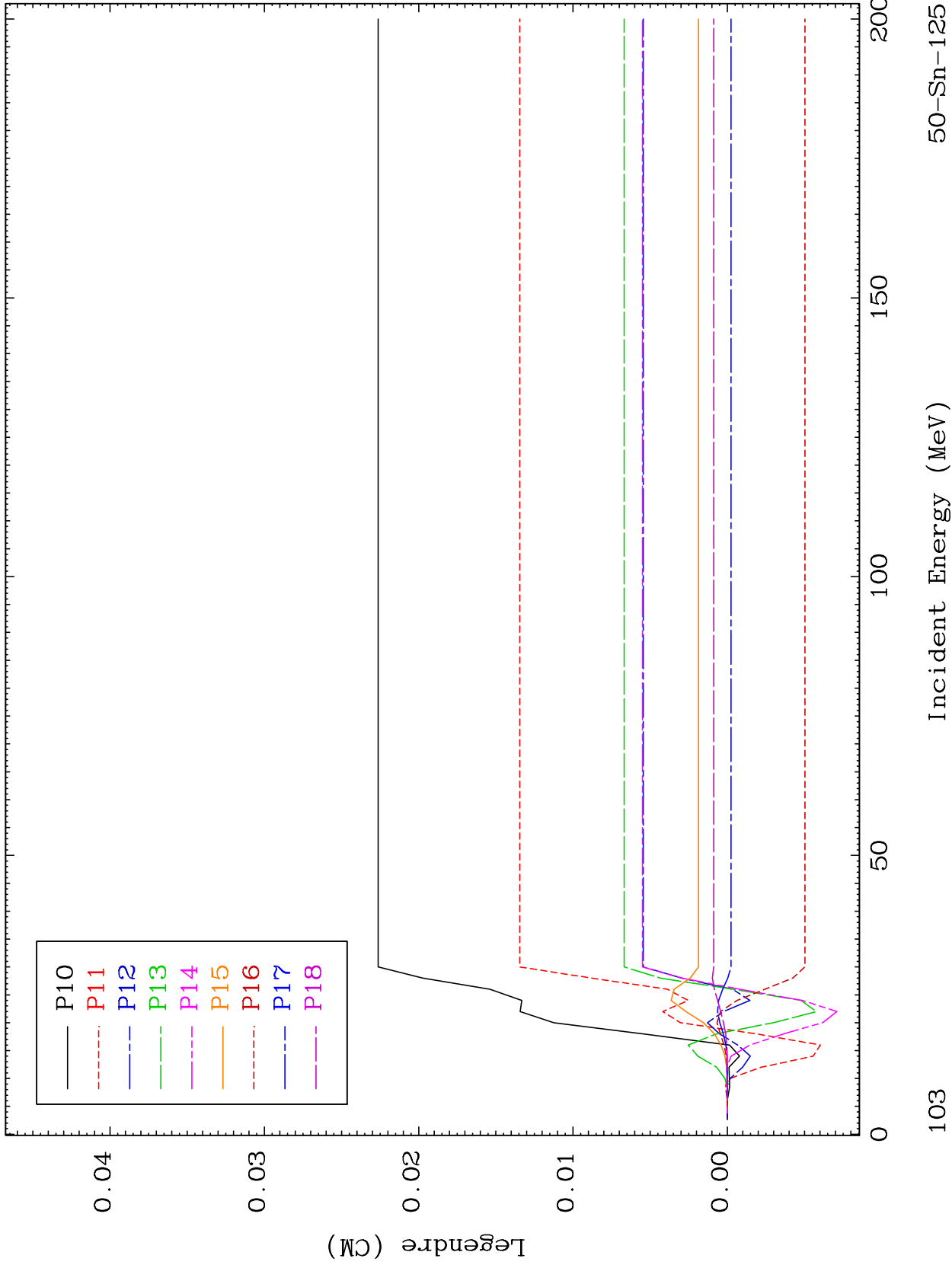
50-Sn-125



MAT 5064

2.176 MeV (n,n') Level
Legendre Coefficients

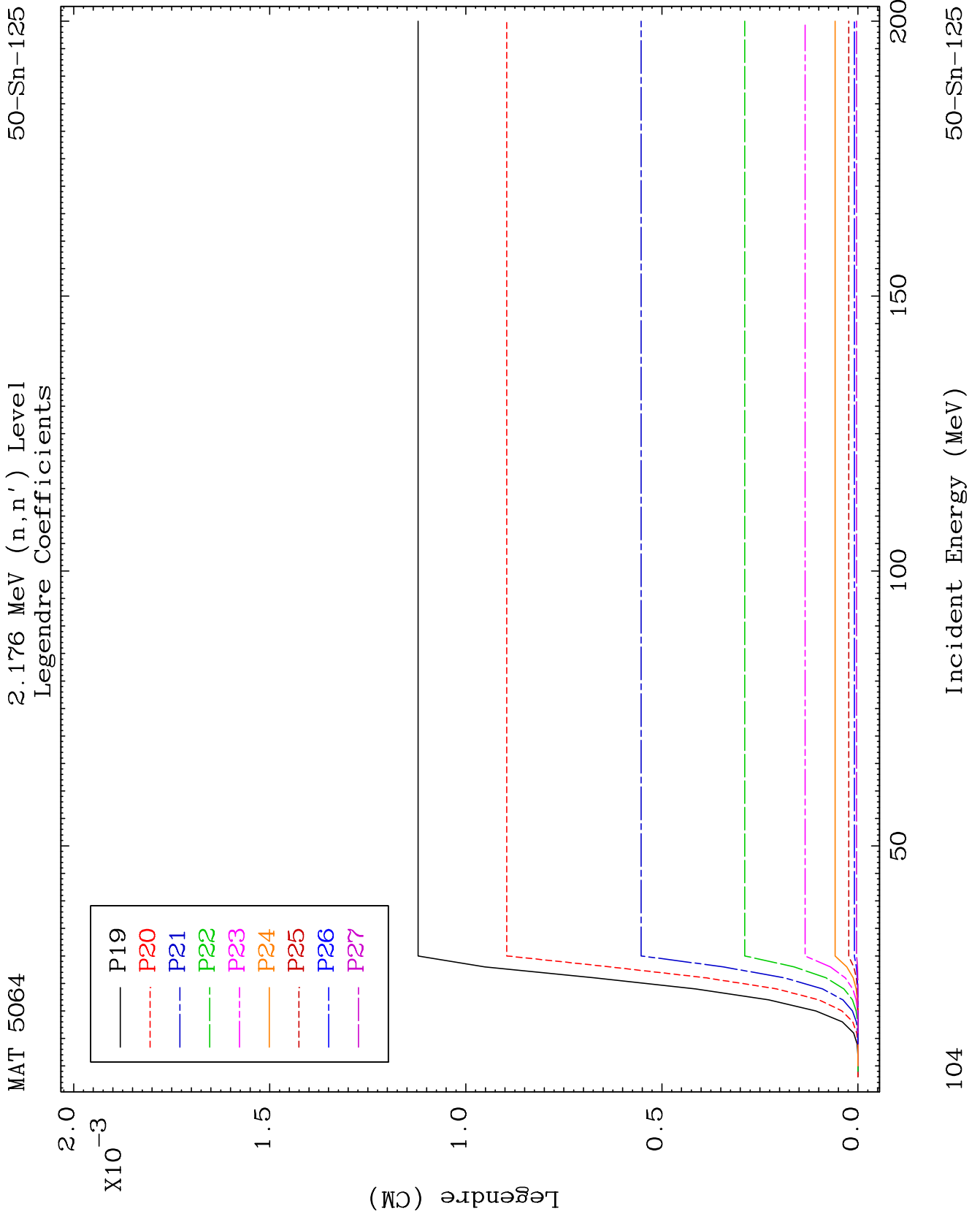
50-Sn-125

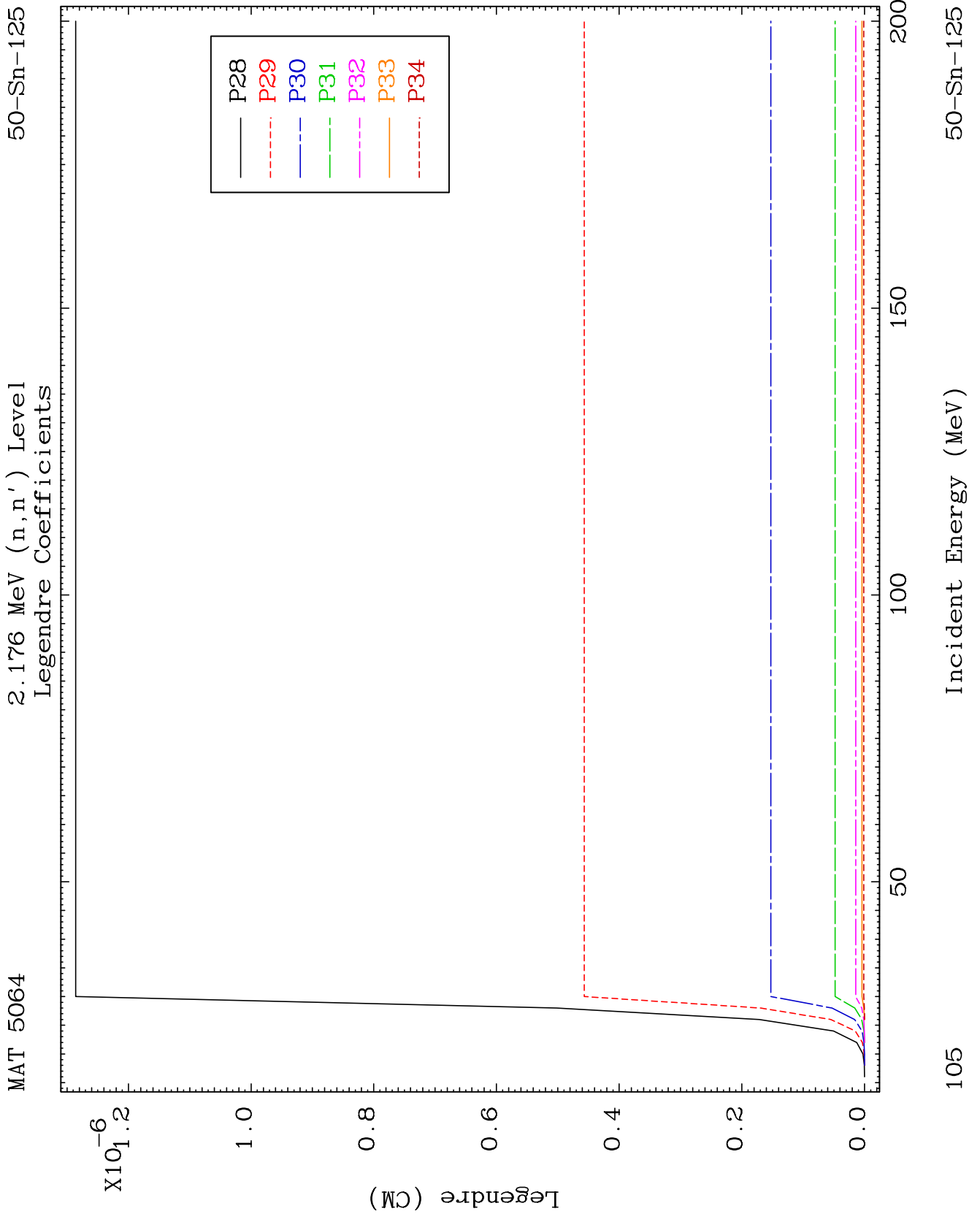


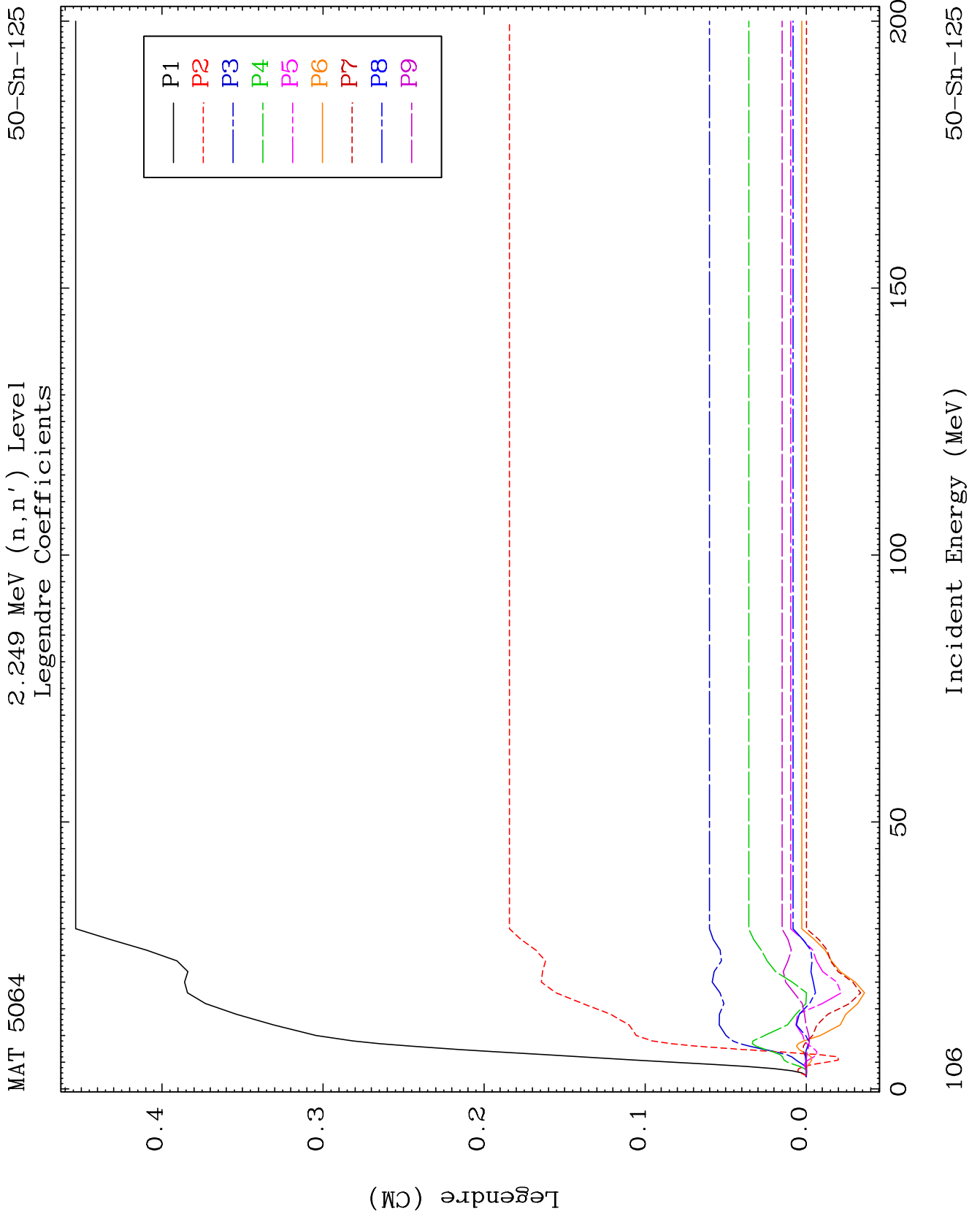
50-Sn-125

Incident Energy (MeV)

103



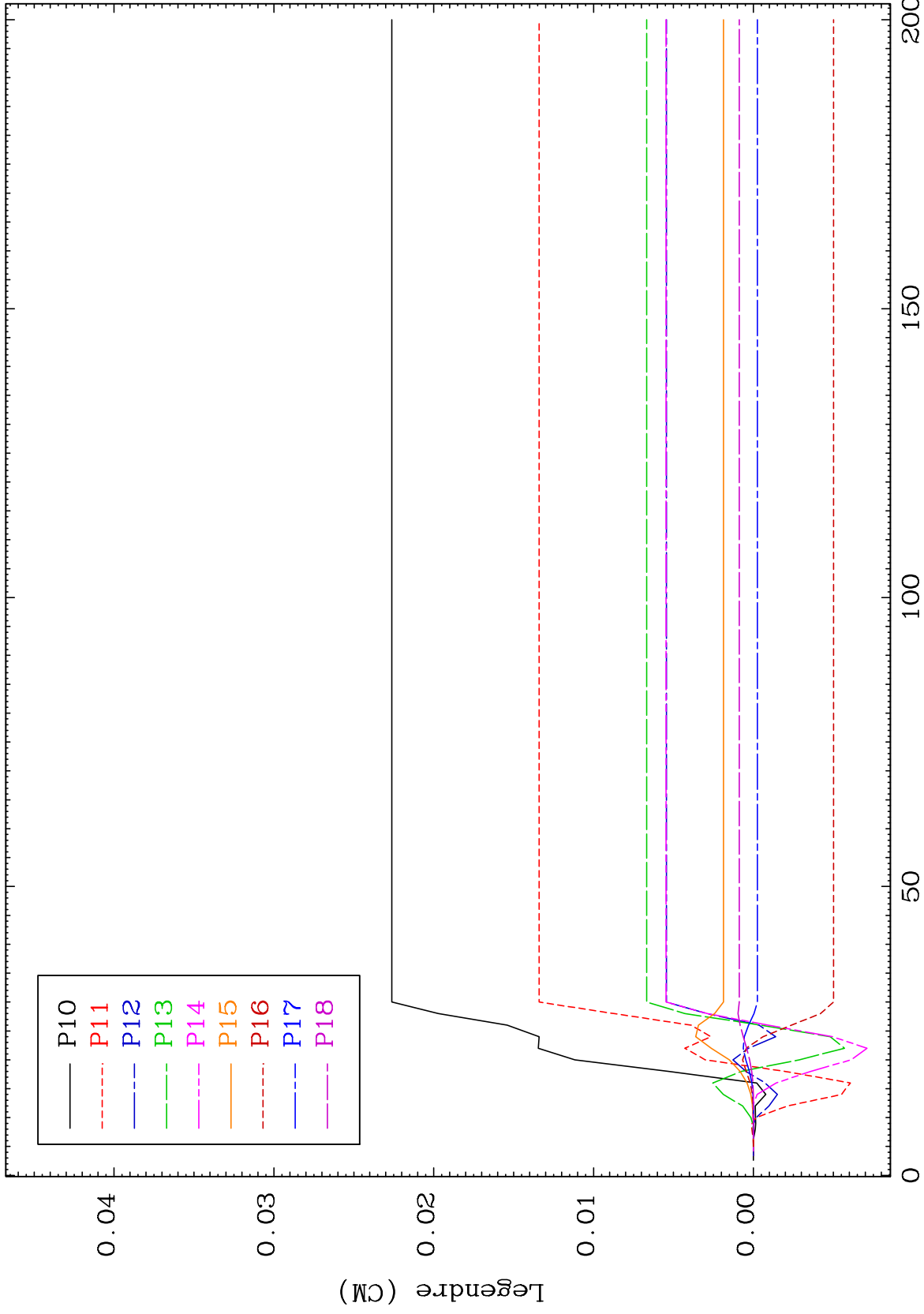




MAT 5064

2.249 MeV (n,n') Level
Legendre Coefficients

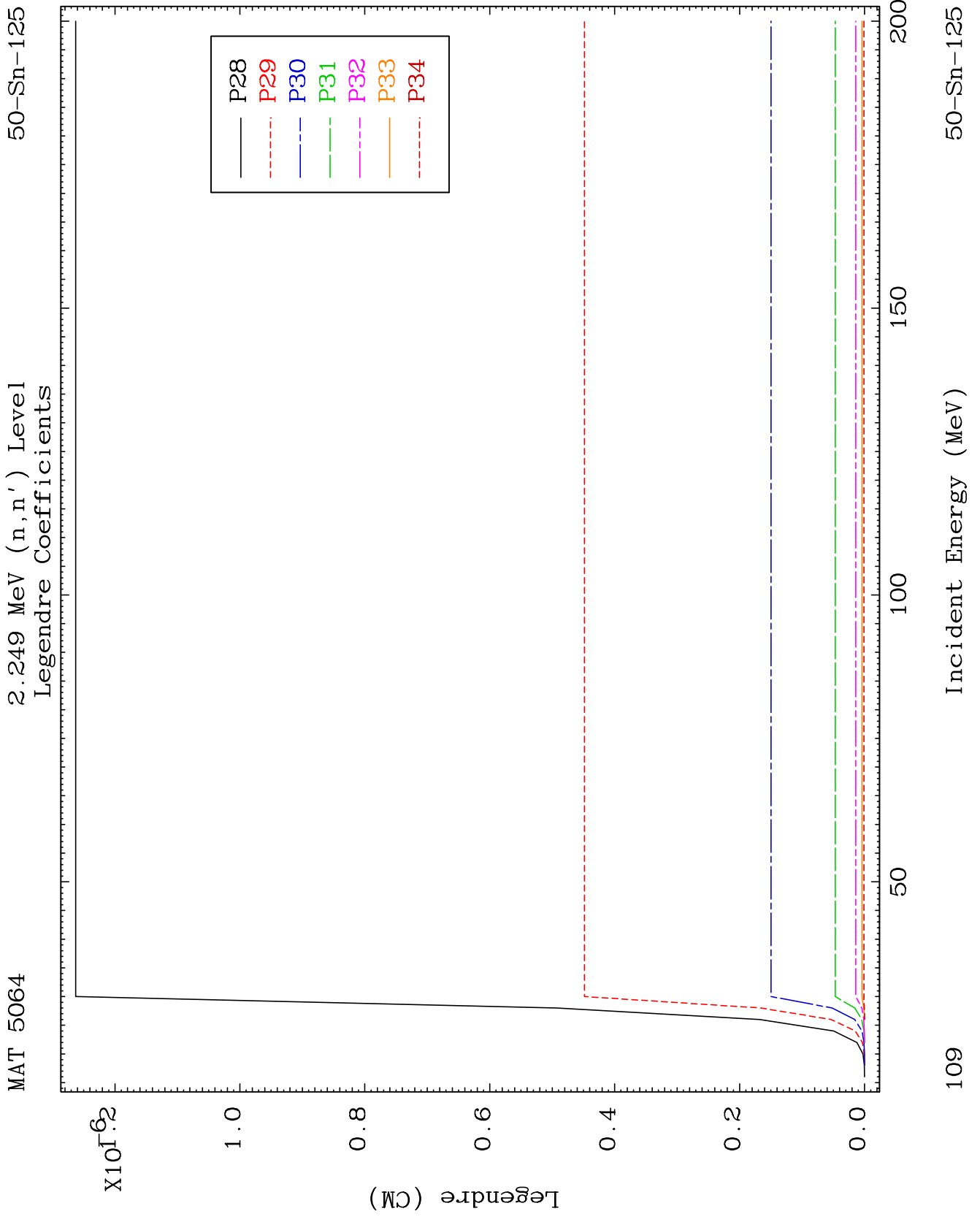
50-Sn-125

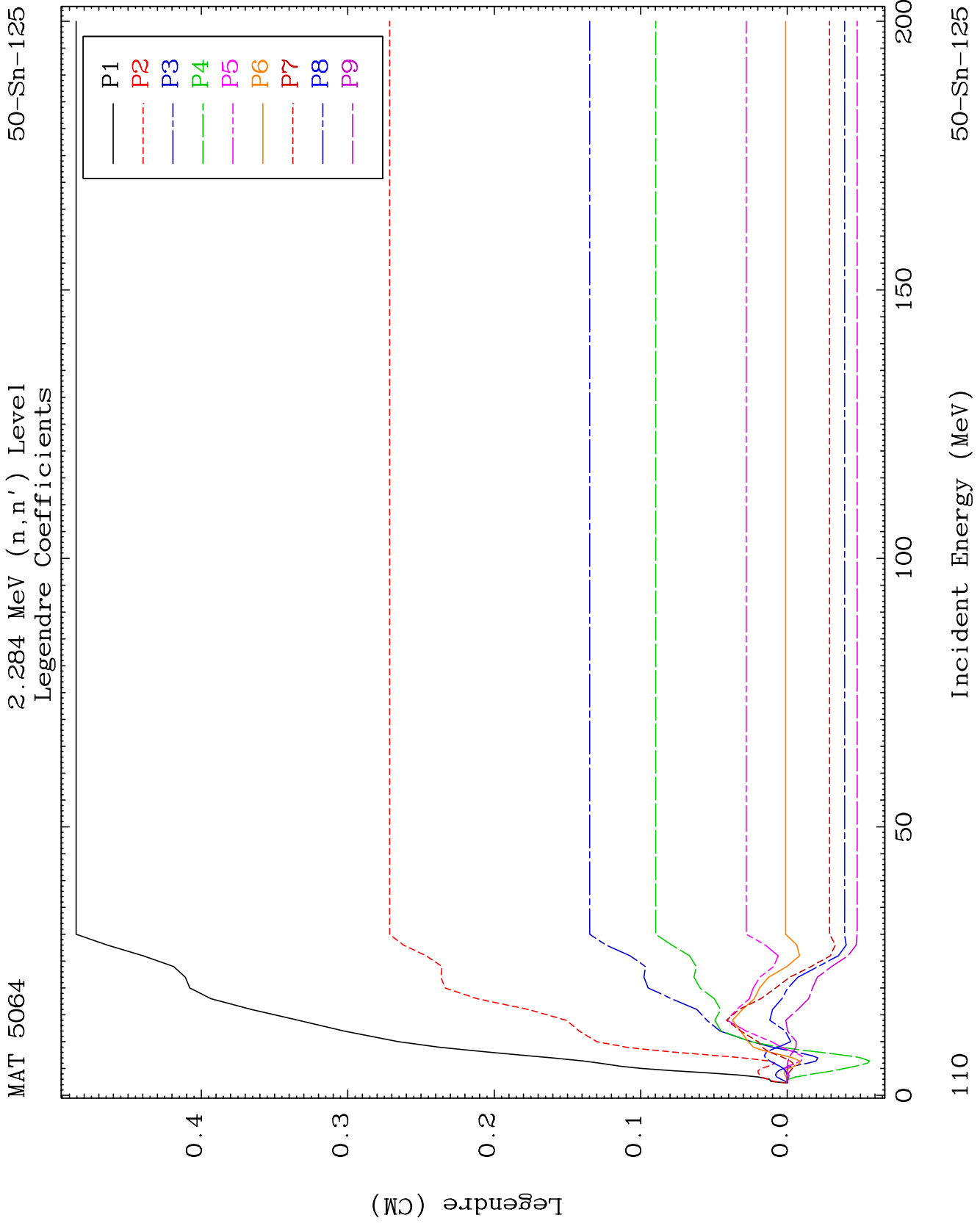


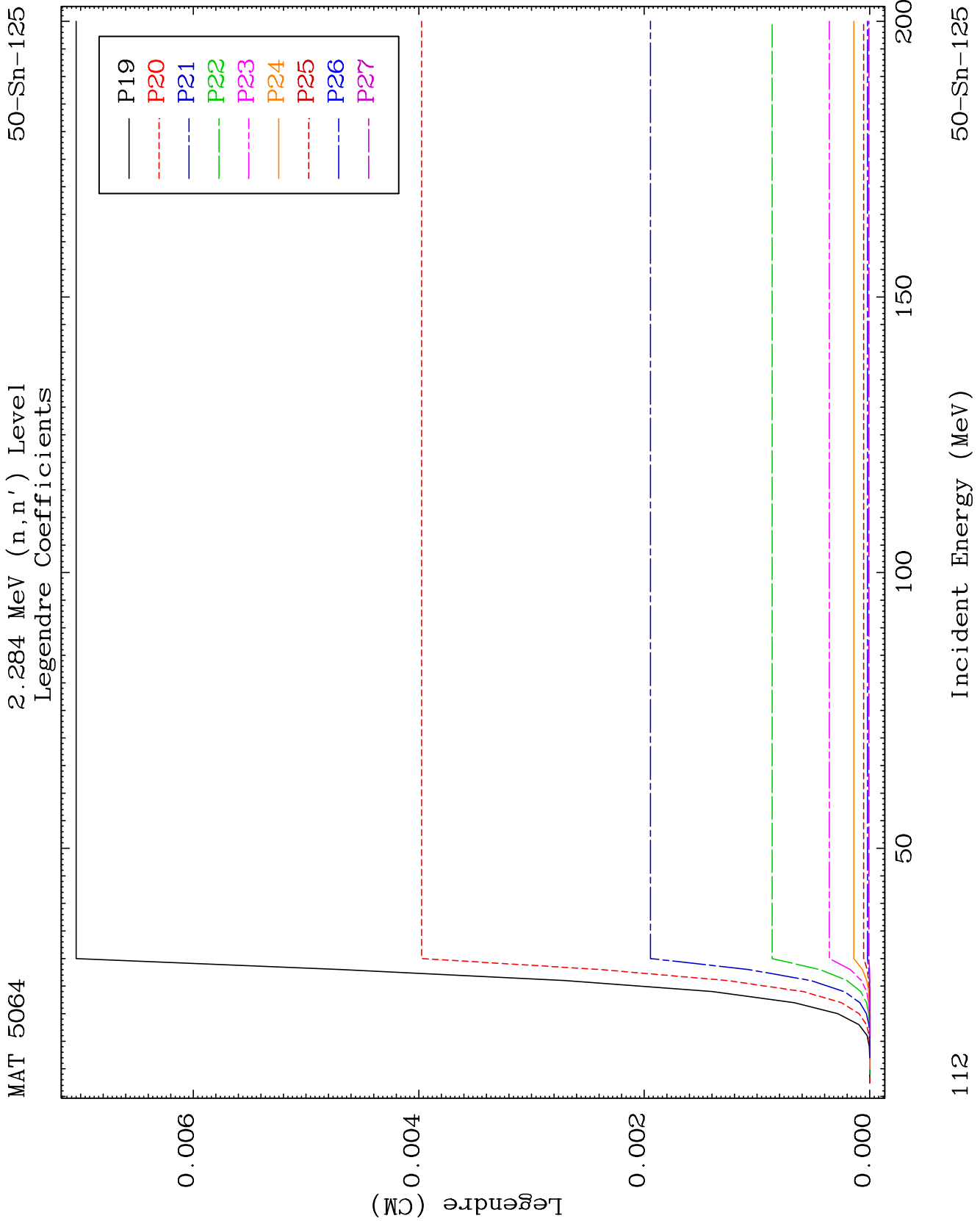
107

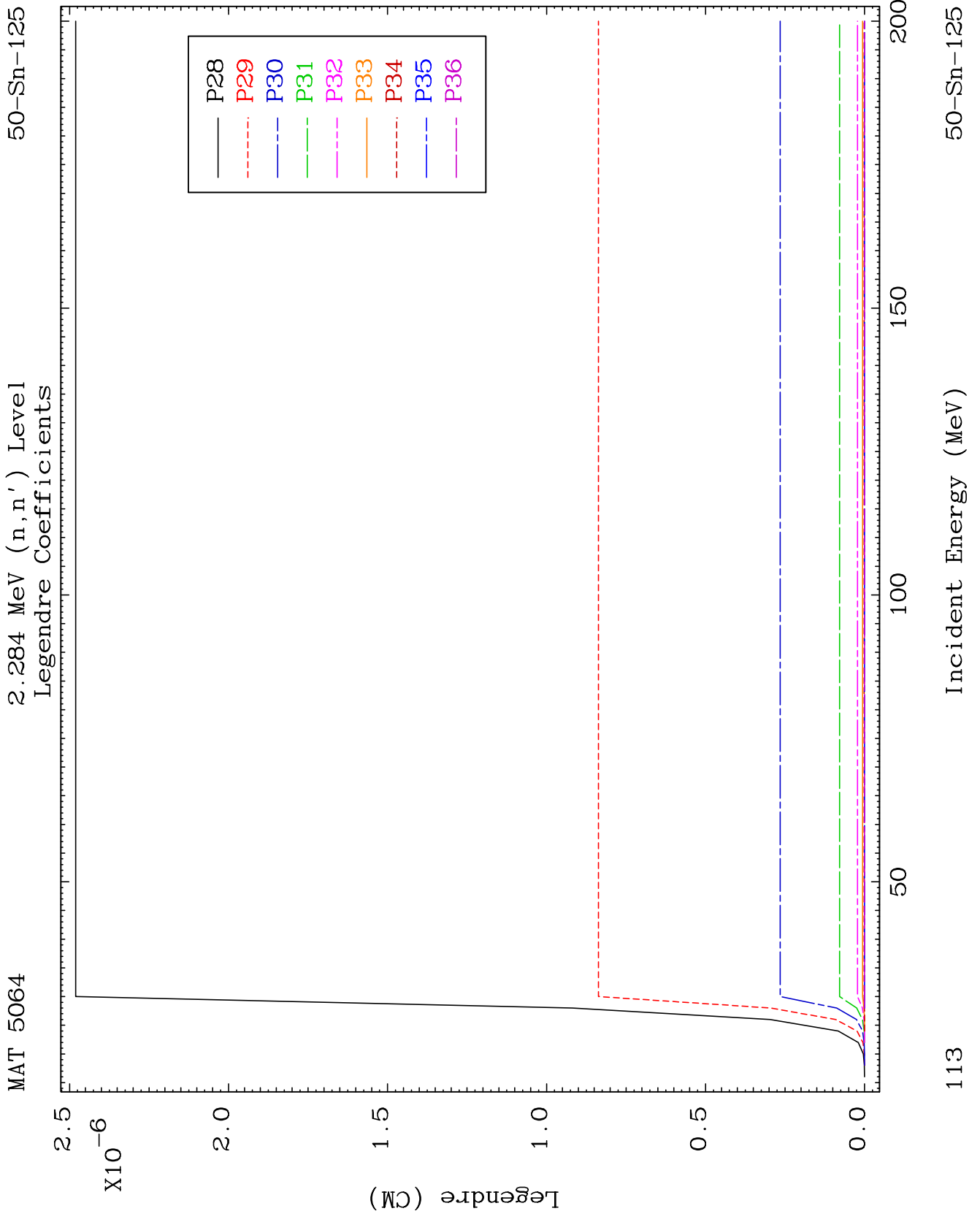
Incident Energy (MeV)

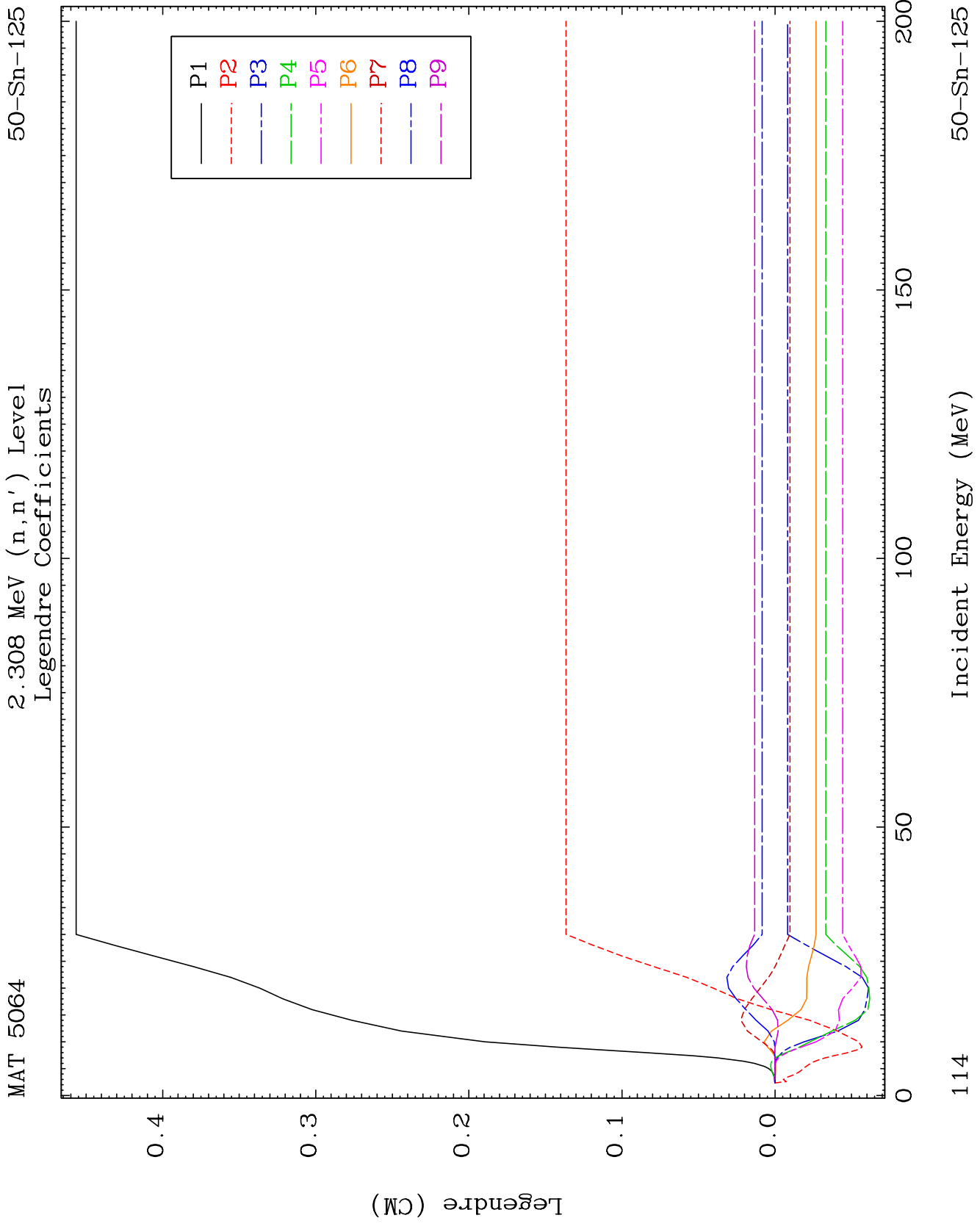
50-Sn-125







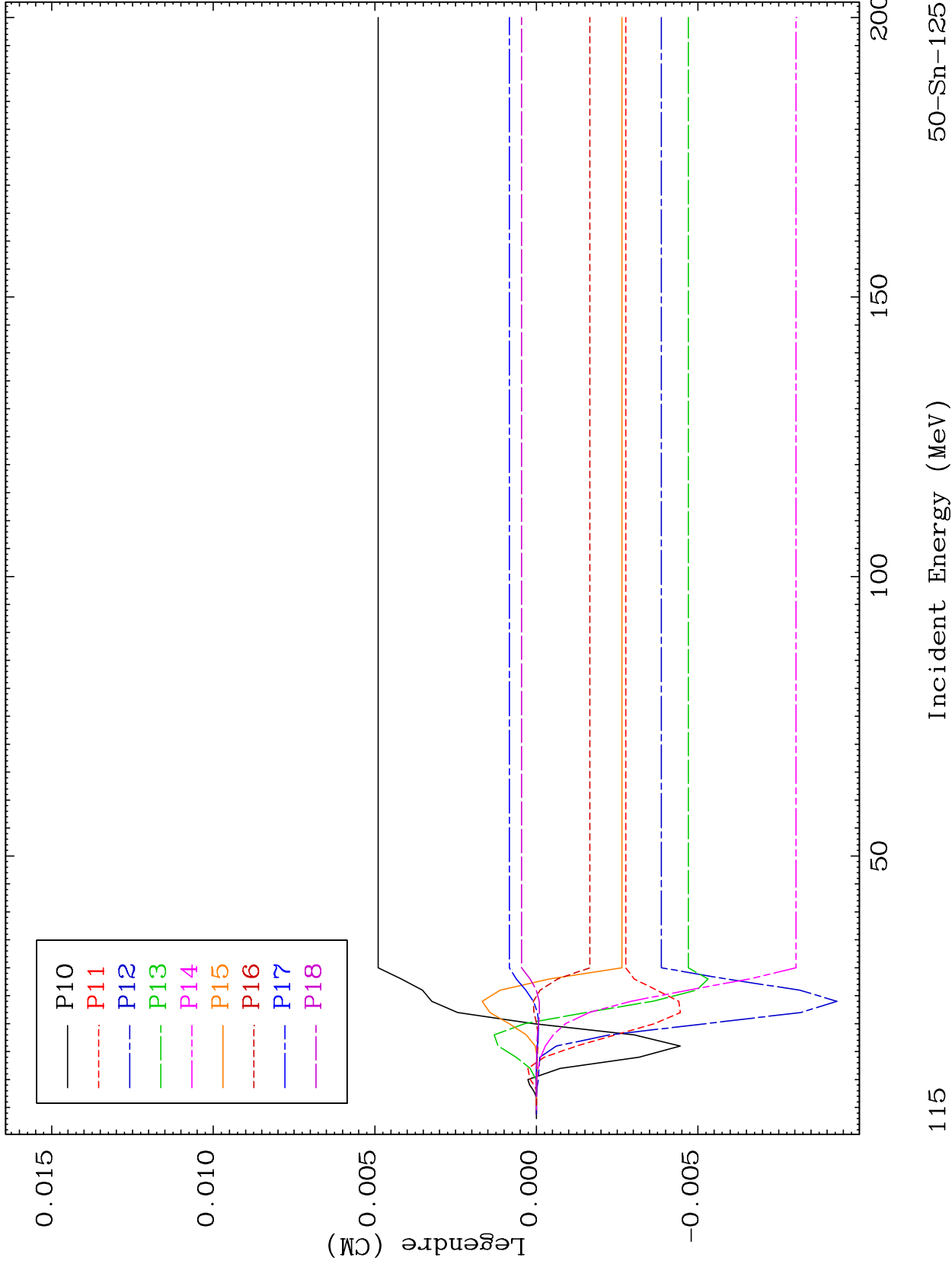




MAT 5064

2.308 MeV (n,n') Level
Legendre Coefficients

50-Sn-125



115

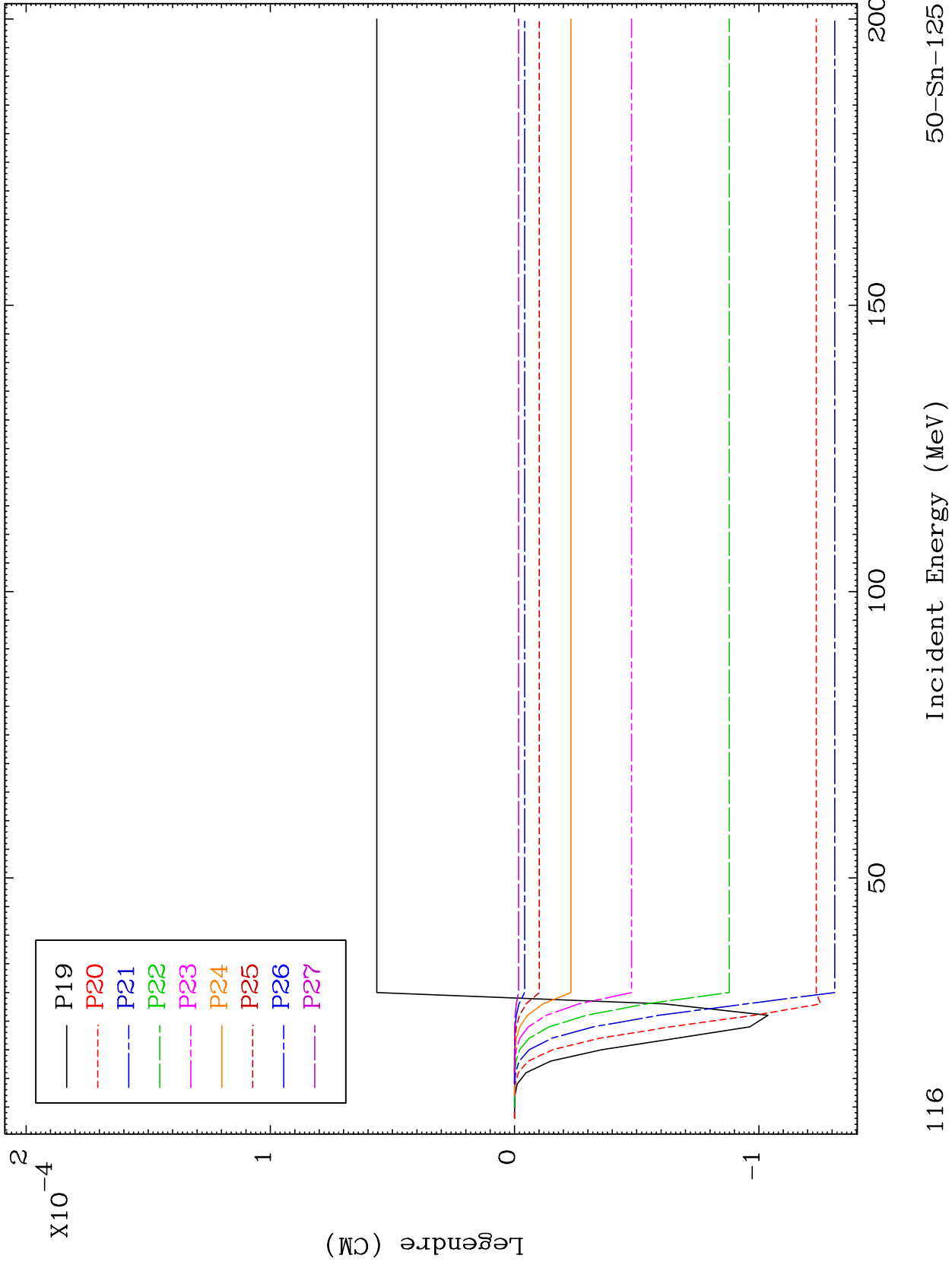
Incident Energy (MeV)

50-Sn-125

MAT 5064

2.308 MeV (n,n') Level
Legendre Coefficients

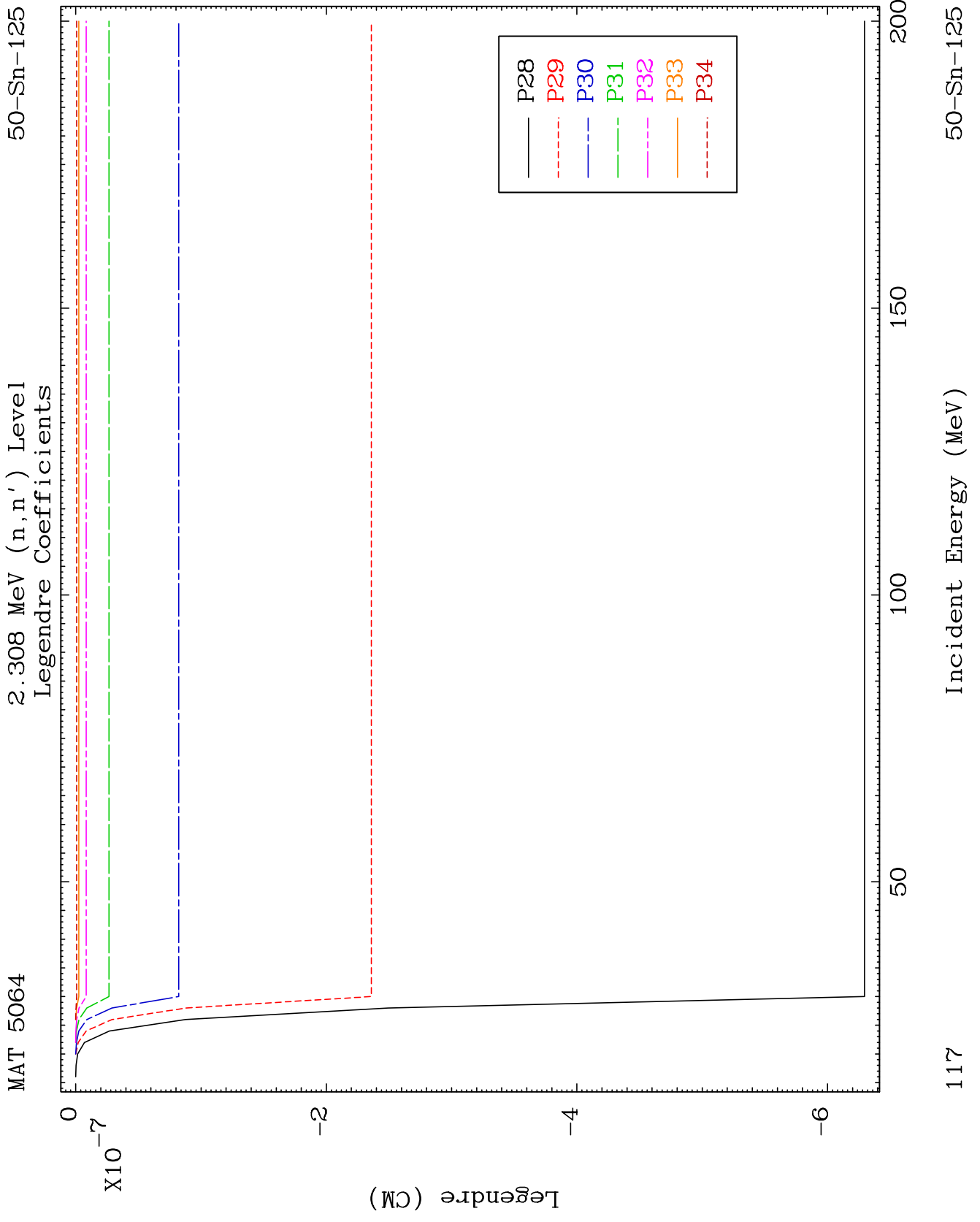
50-Sn-125

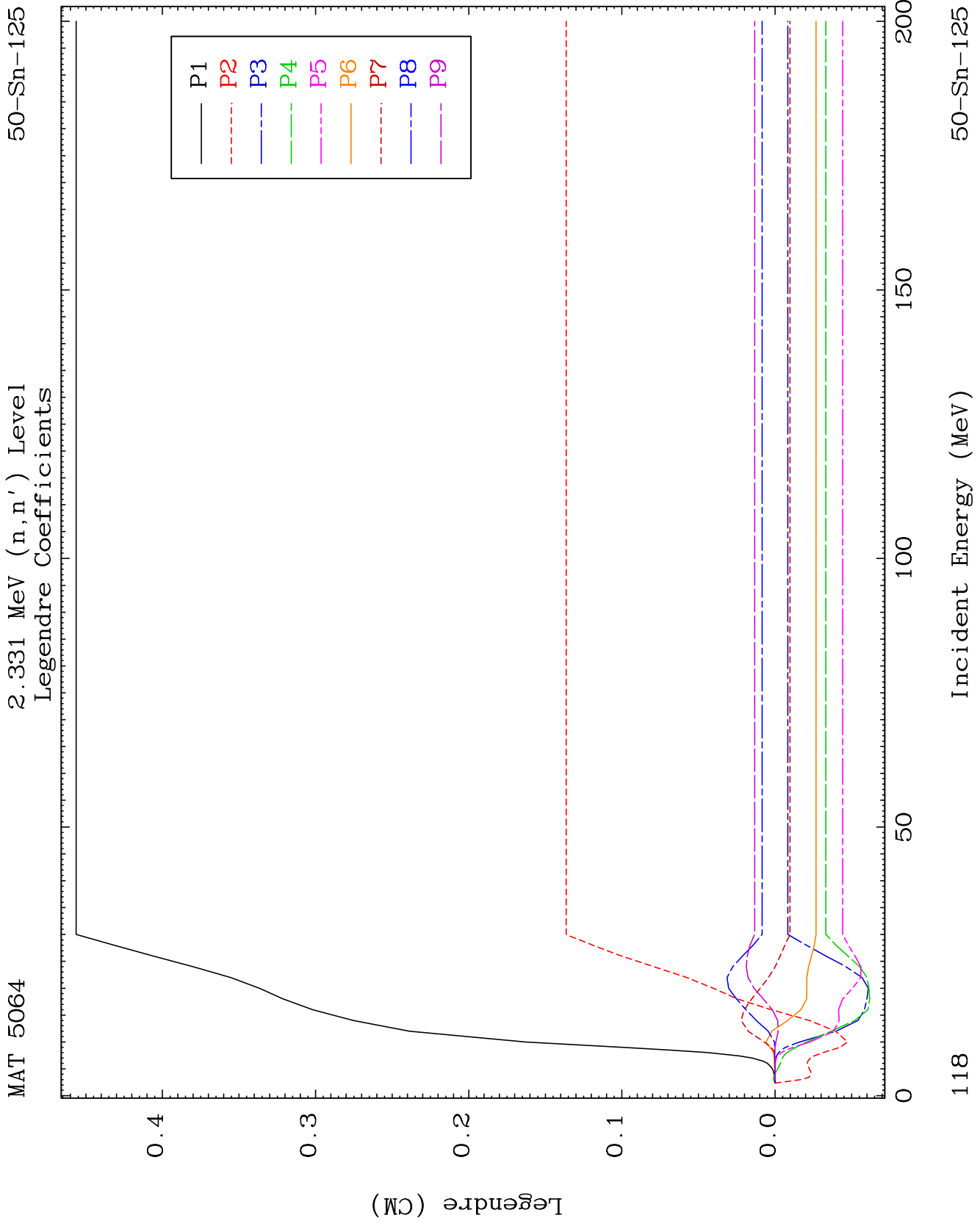


116

Incident Energy (MeV)

50-Sn-125

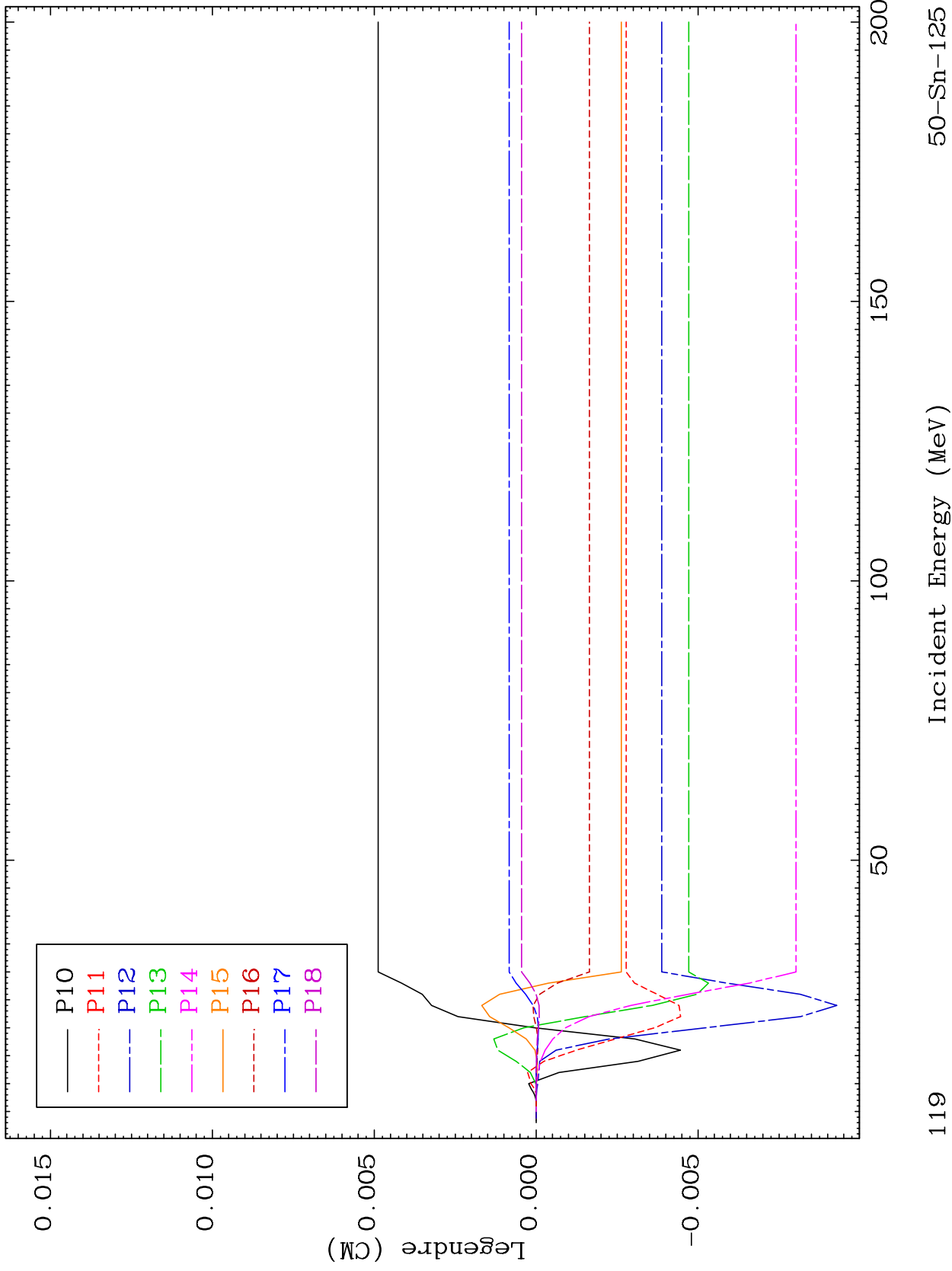


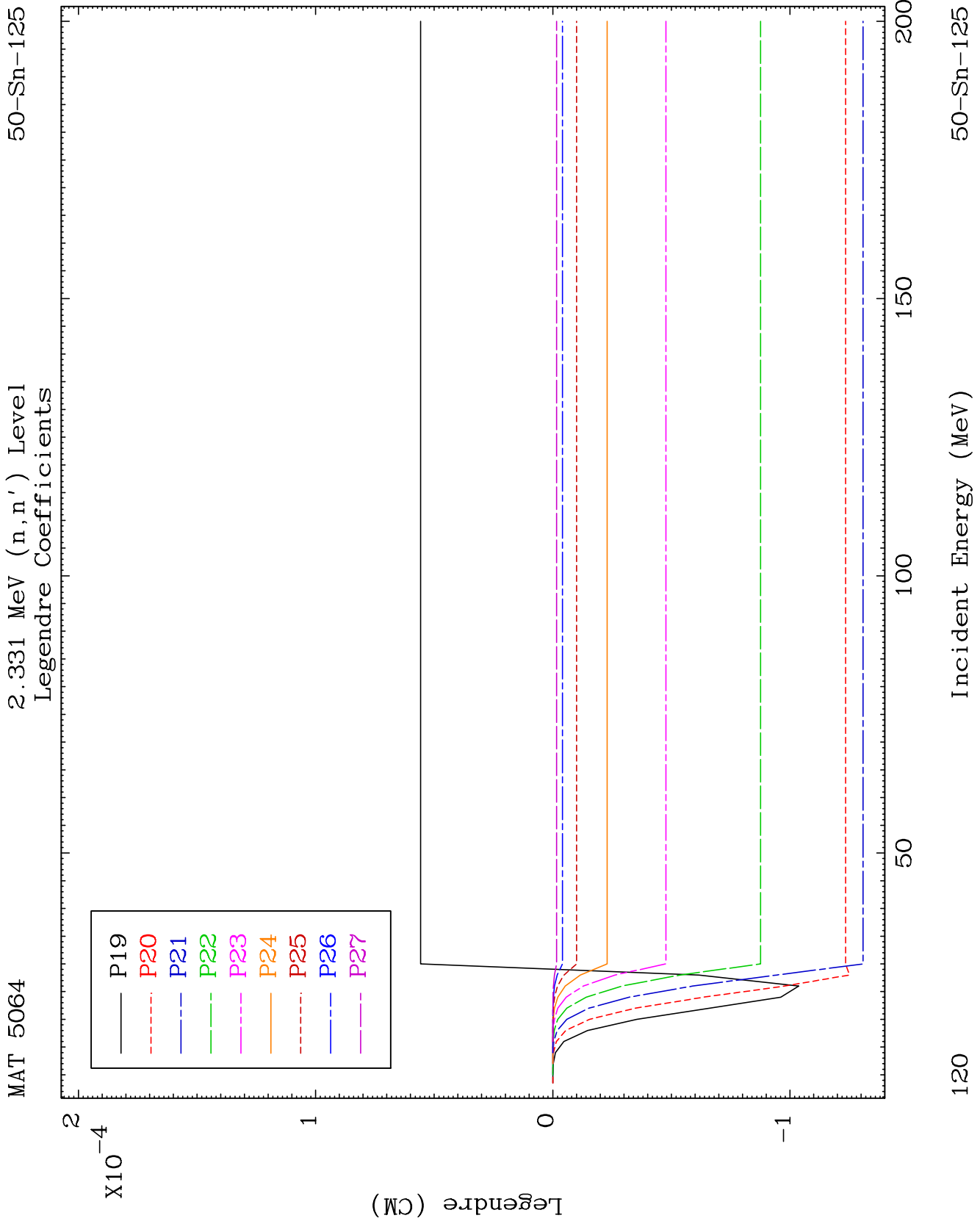


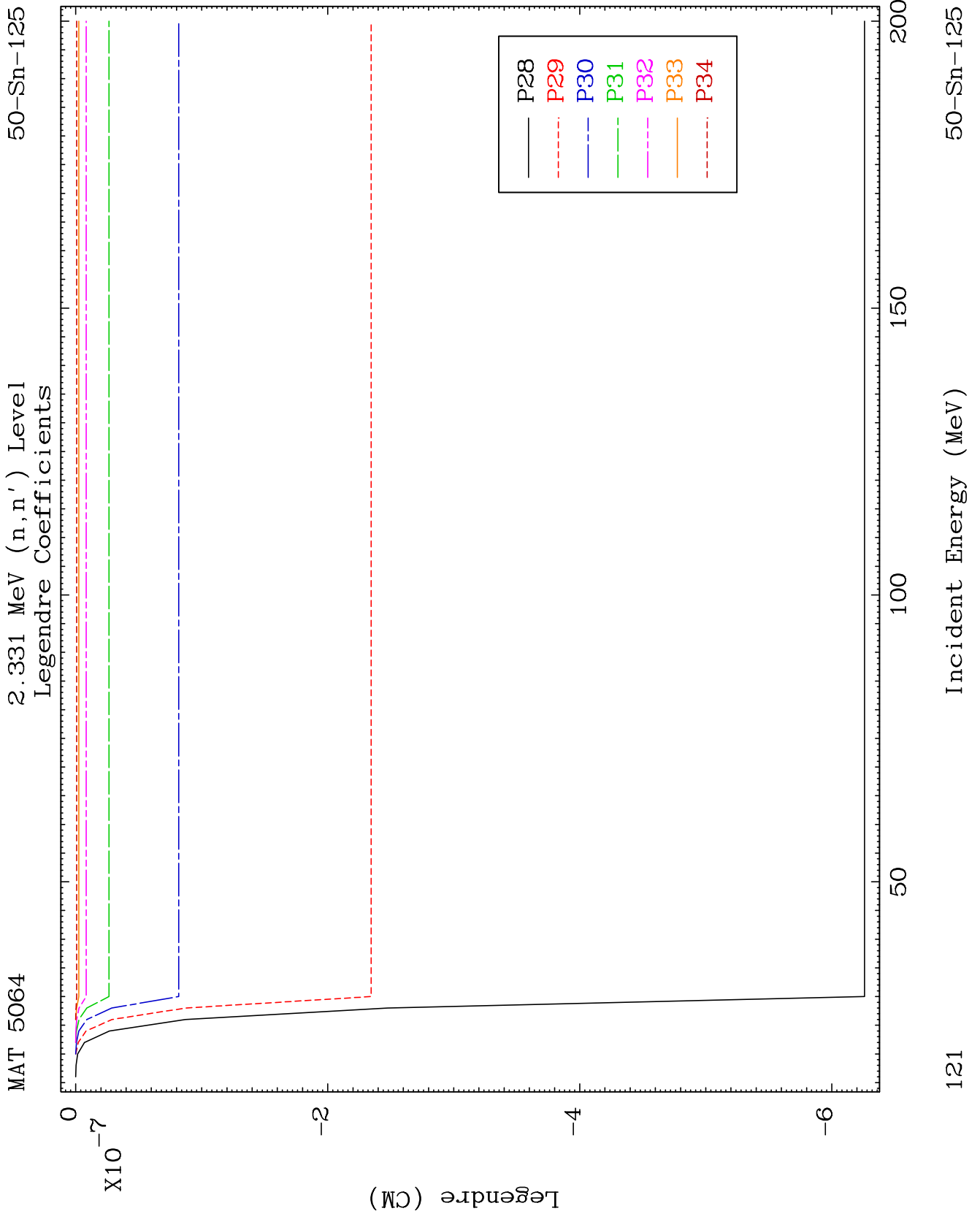
MAT 5064

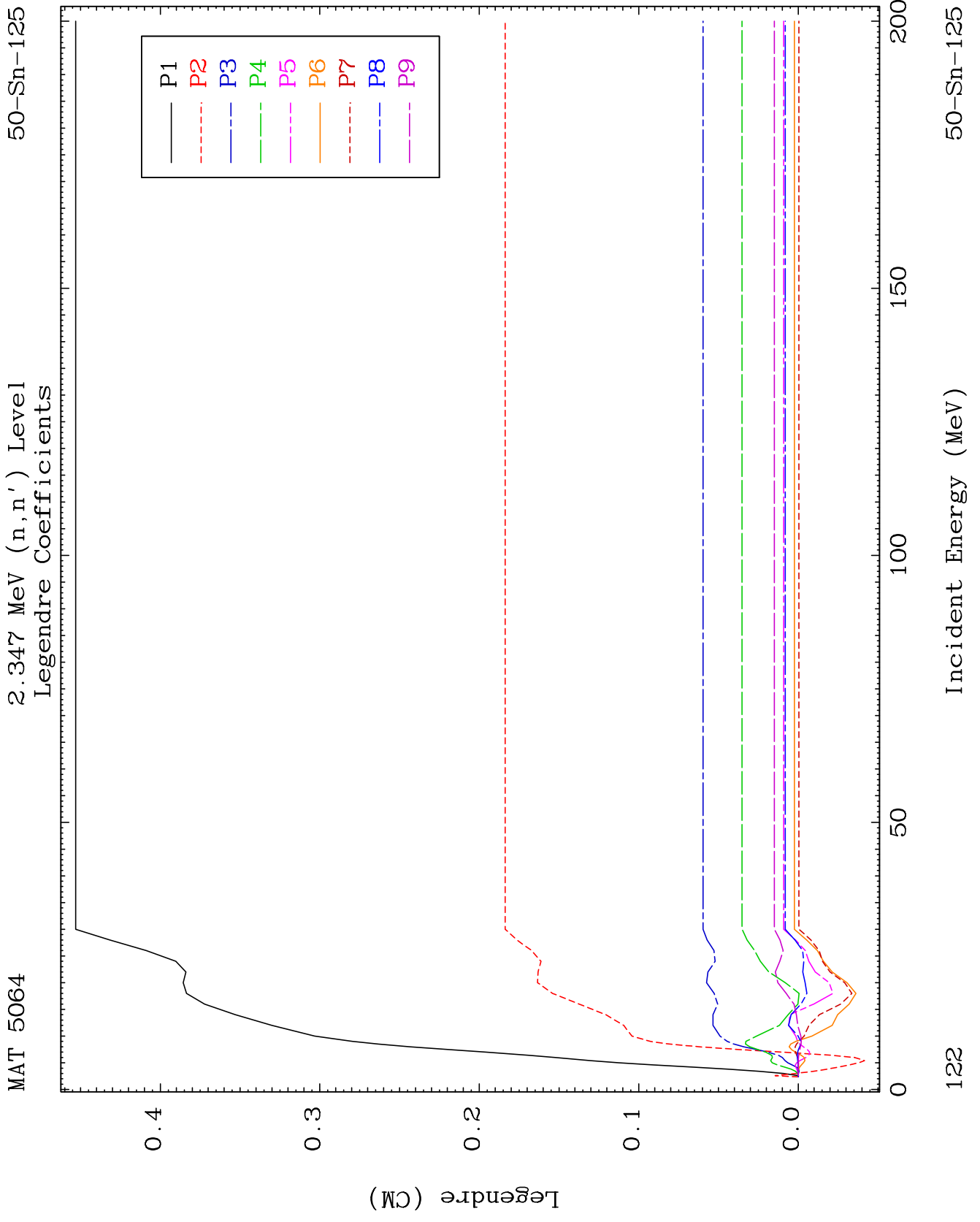
2.331 MeV (n,n') Level
Legendre Coefficients

50-Sn-125





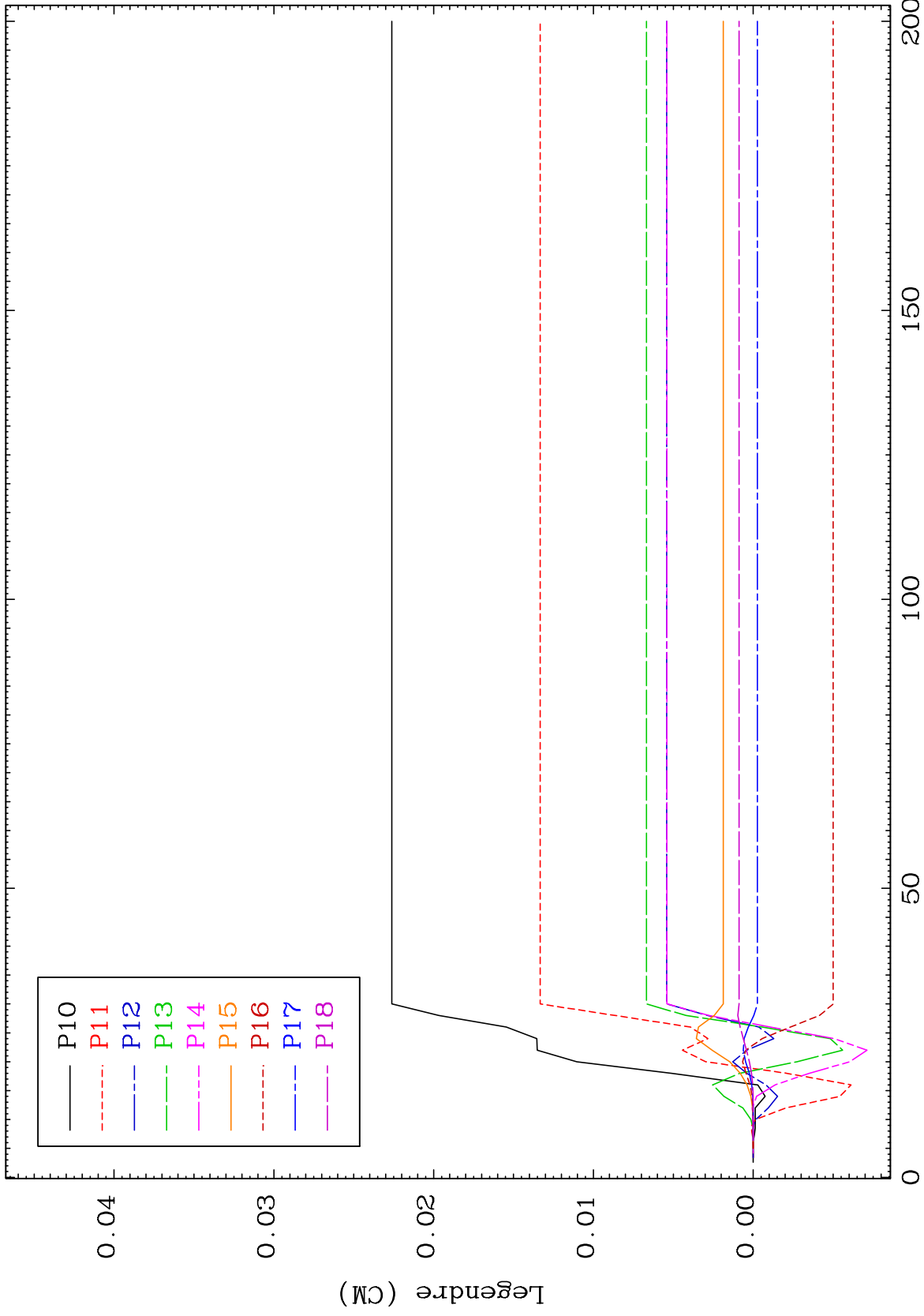




MAT 5064

2.347 MeV (n,n') Level
Legendre Coefficients

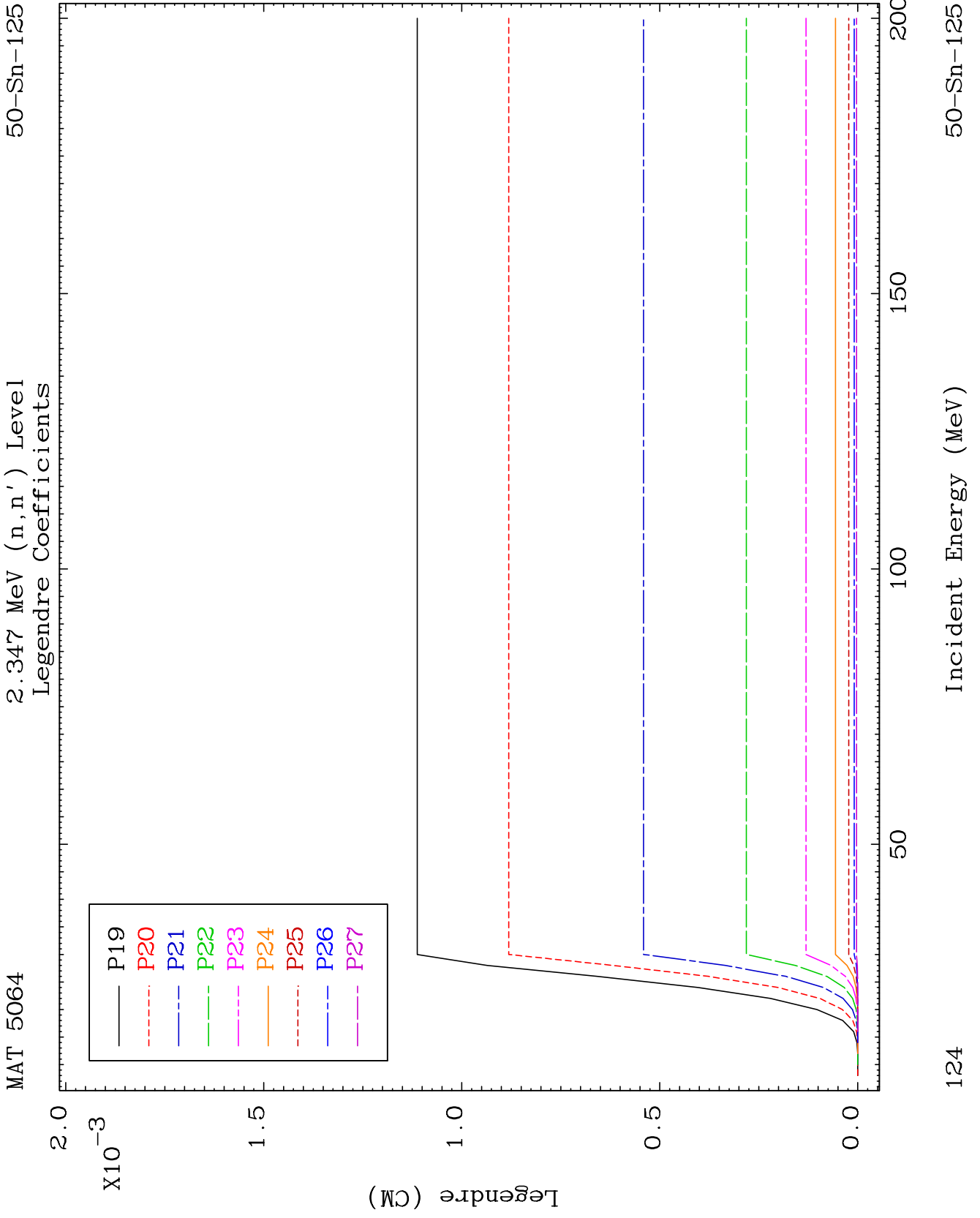
50-Sn-125

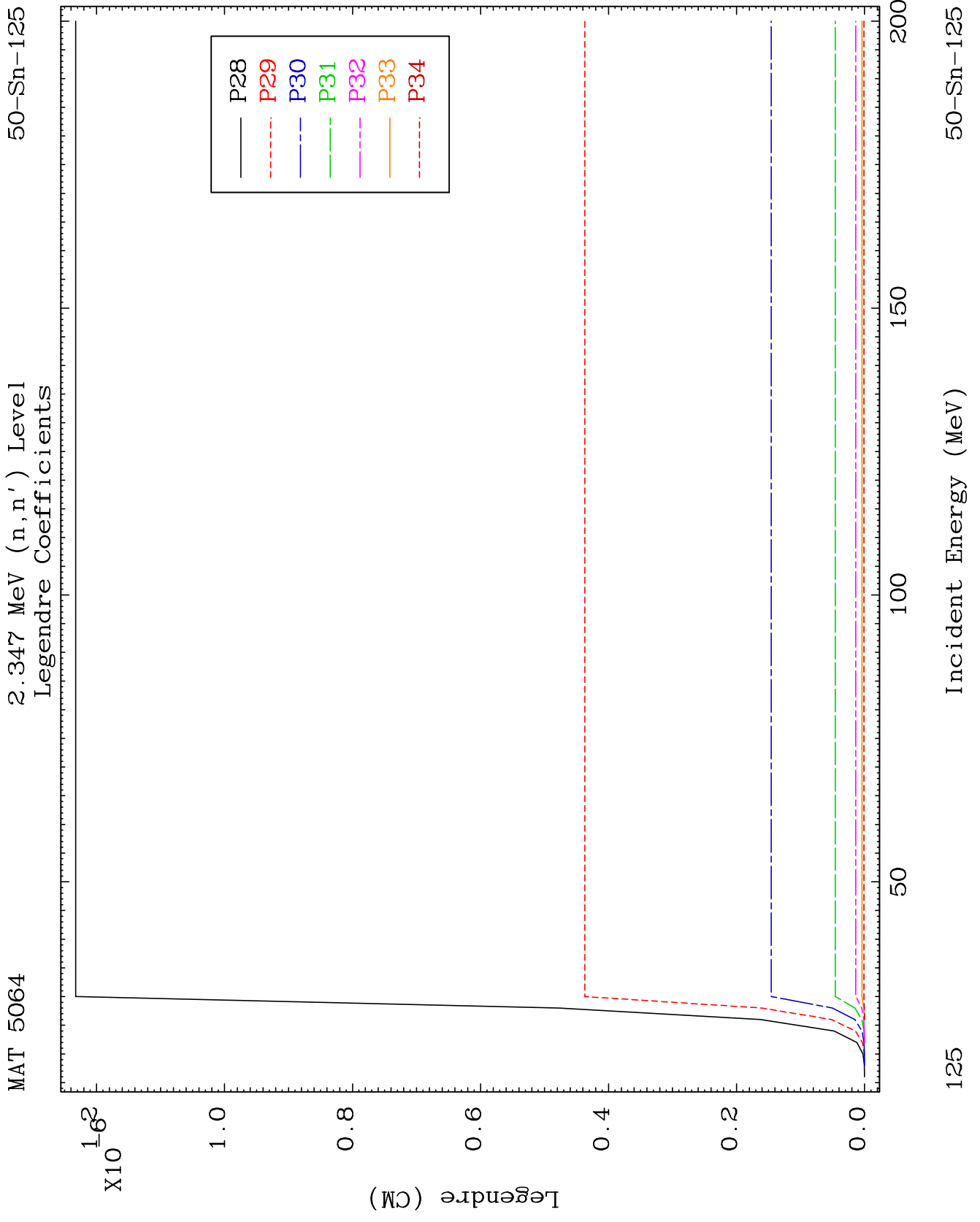


123

Incident Energy (MeV)

50-Sn-125

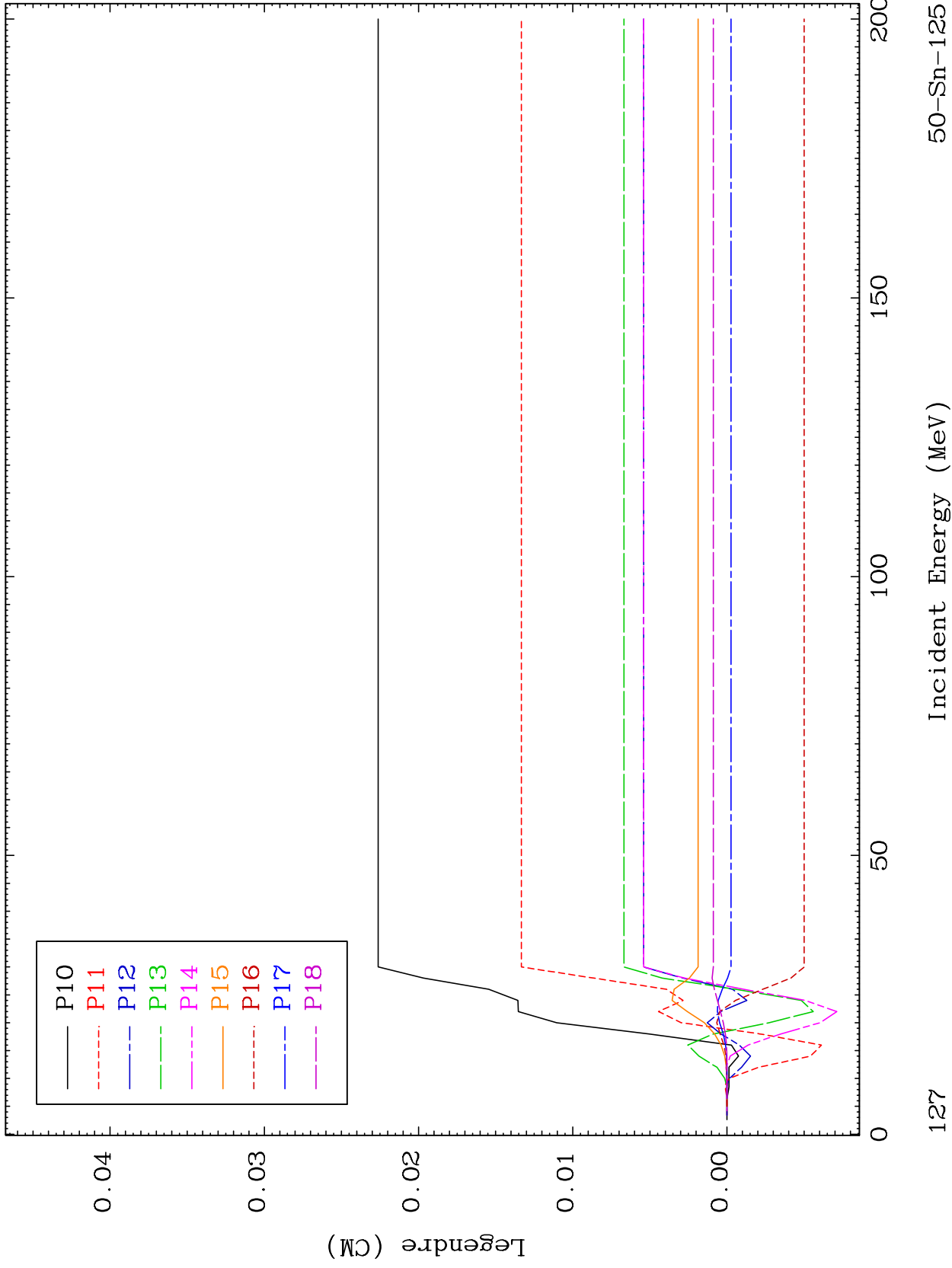




MAT 5064

2.355 MeV (n,n') Level
Legendre Coefficients

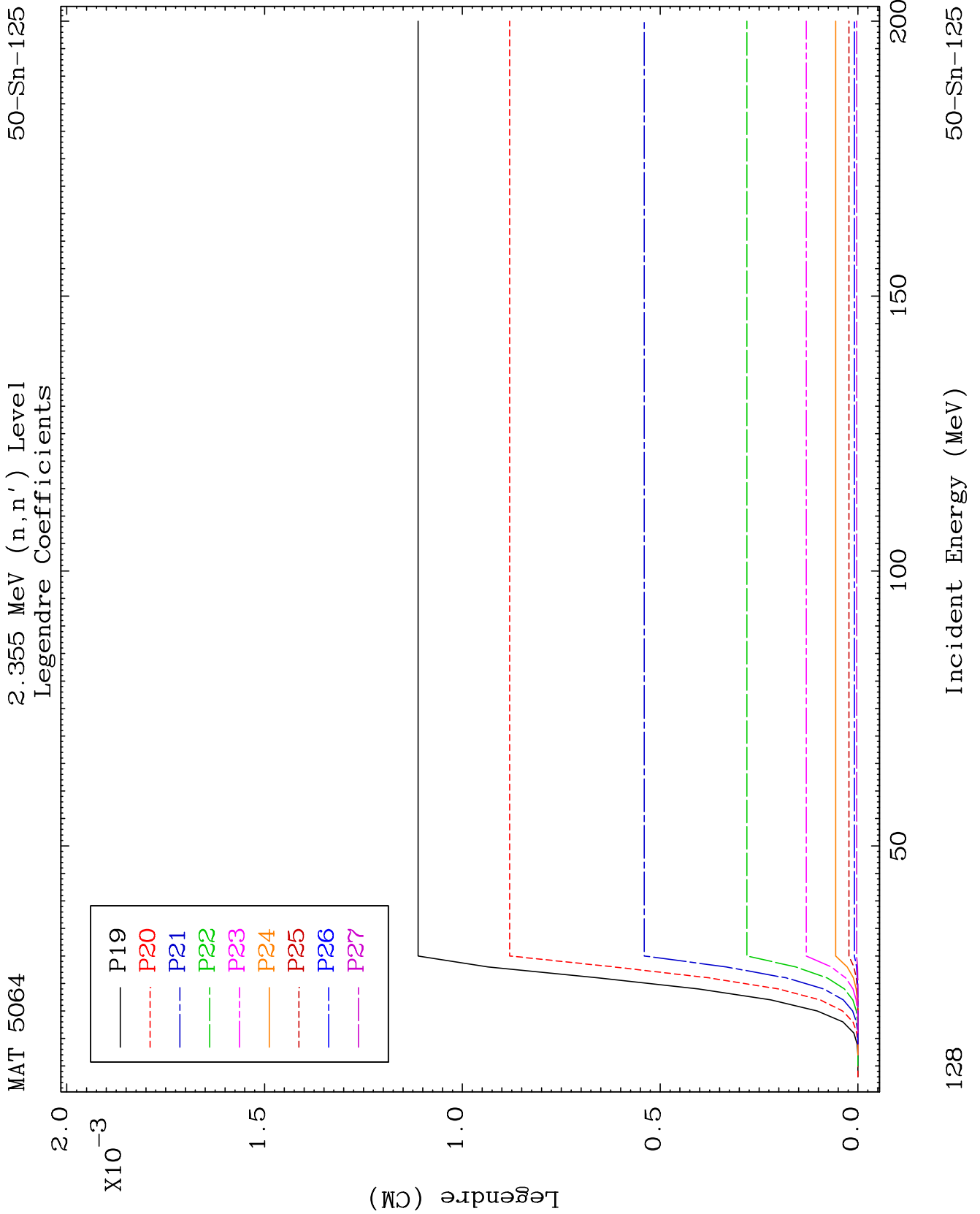
50-Sn-125

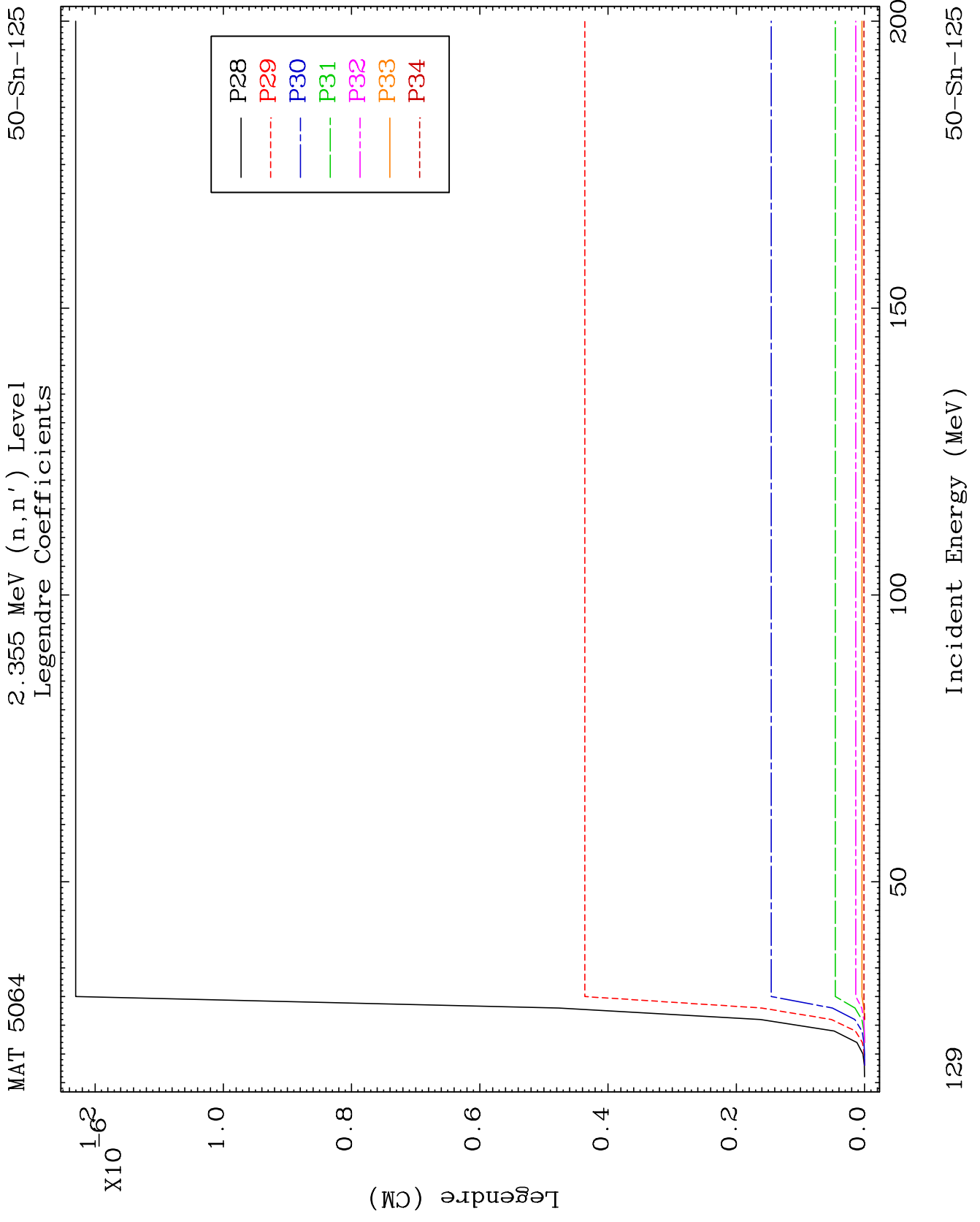


127

Incident Energy (MeV)

50-Sn-125

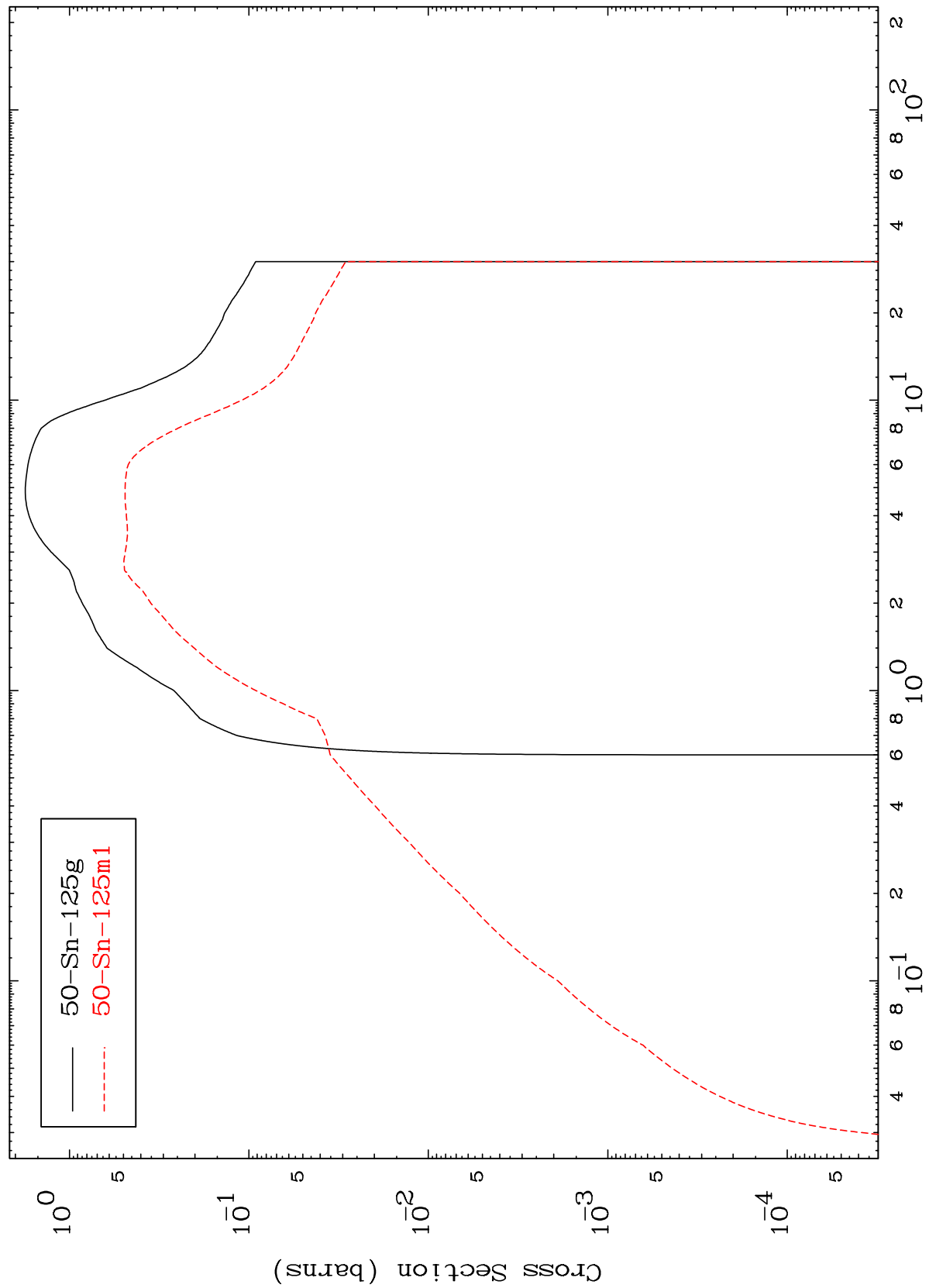




MAT 5064

50-Sn-125

Inelastic
Radionuclide Production Cross Section



— 50-Sn-125g
- - - 50-Sn-125m1

50-Sn-125

Incident Energy (MeV)

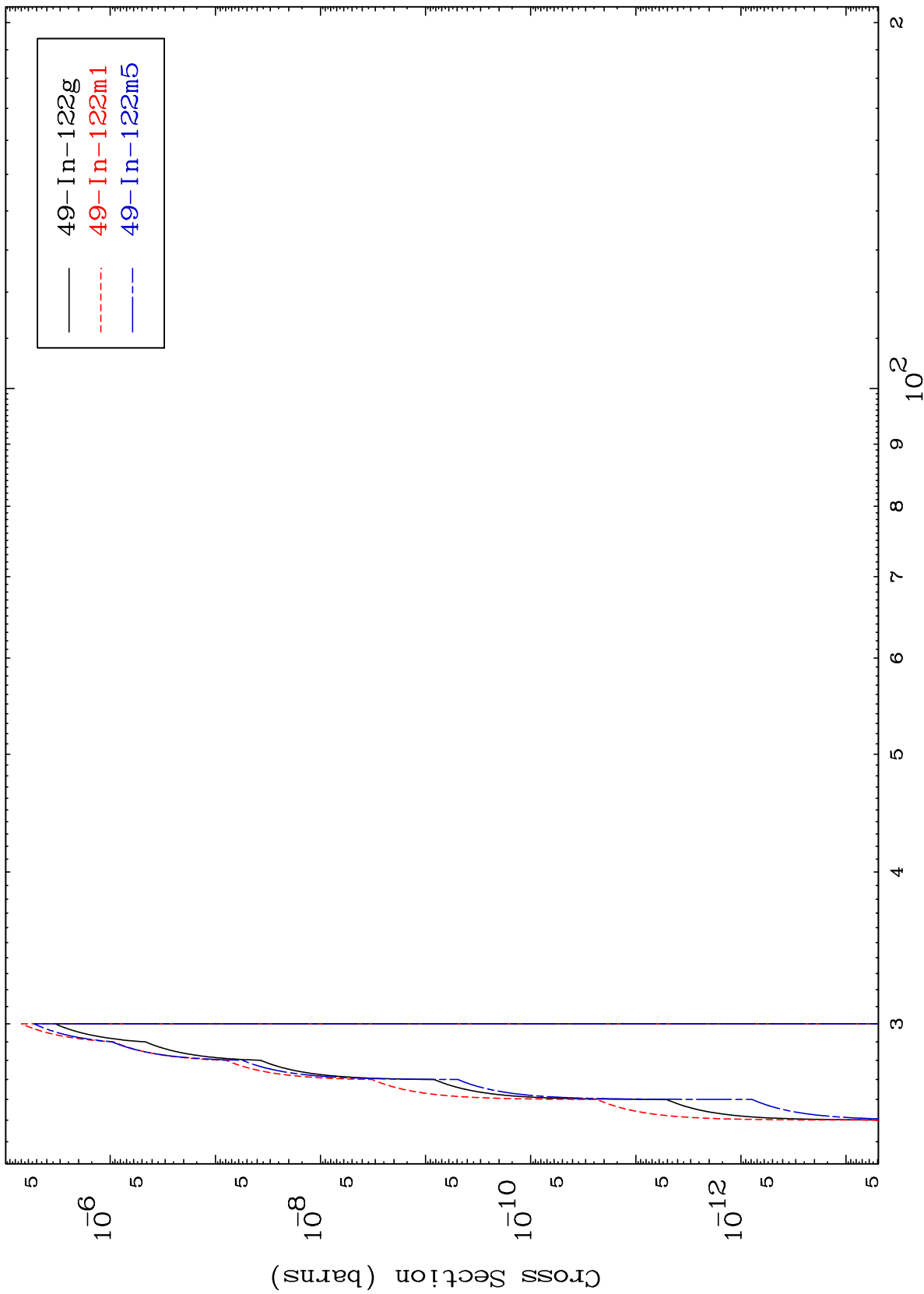
130

MAT 5064

(n,2n) d

50-Sn-125

Radionuclide Production Cross Section



131

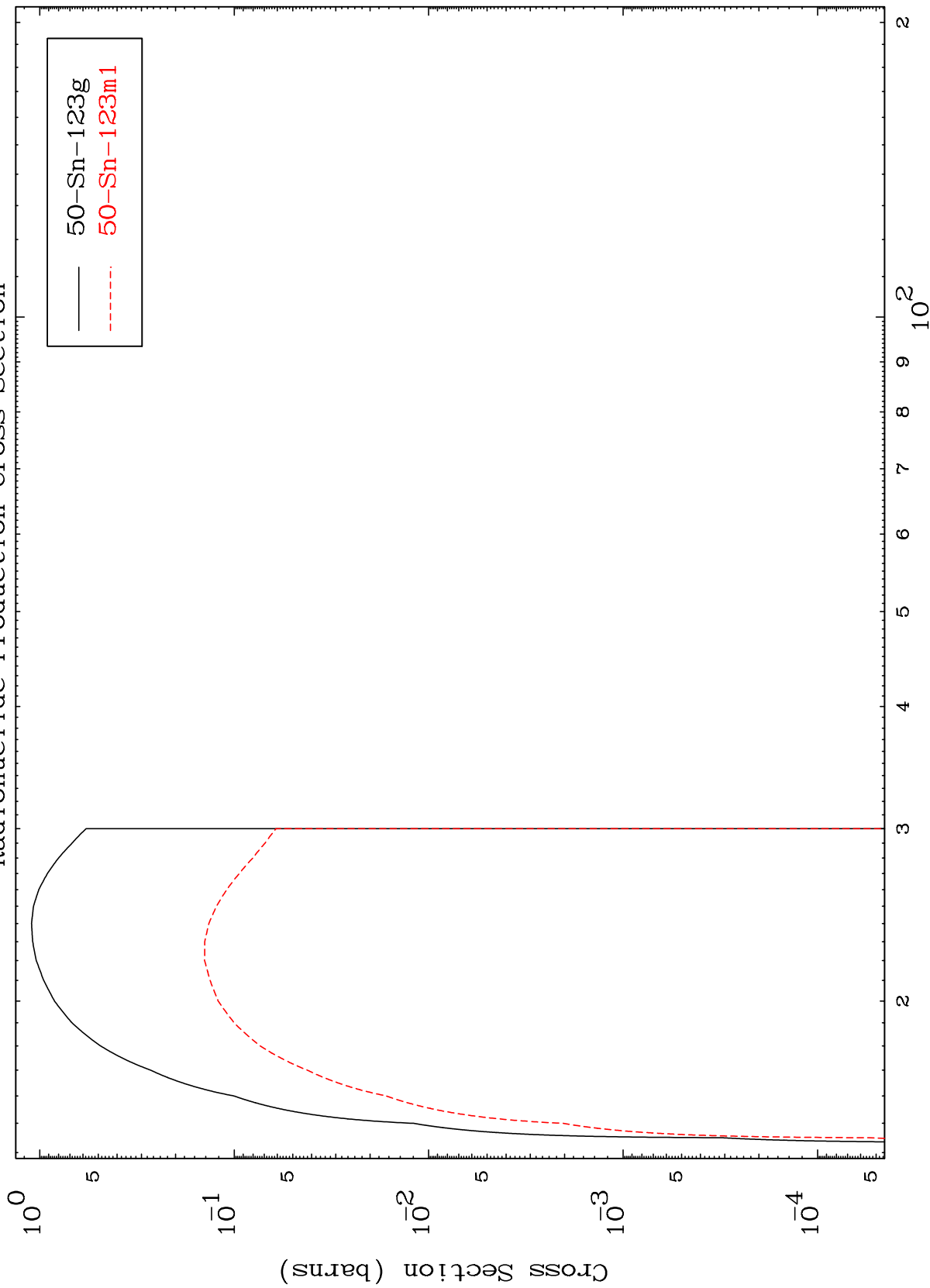
Incident Energy (MeV)

50-Sn-125

MAT 5064

50-Sn-125

(n,3n)
Radionuclide Production Cross Section



50-Sn-123g
50-Sn-123m1

50-Sn-125

Incident Energy (MeV)

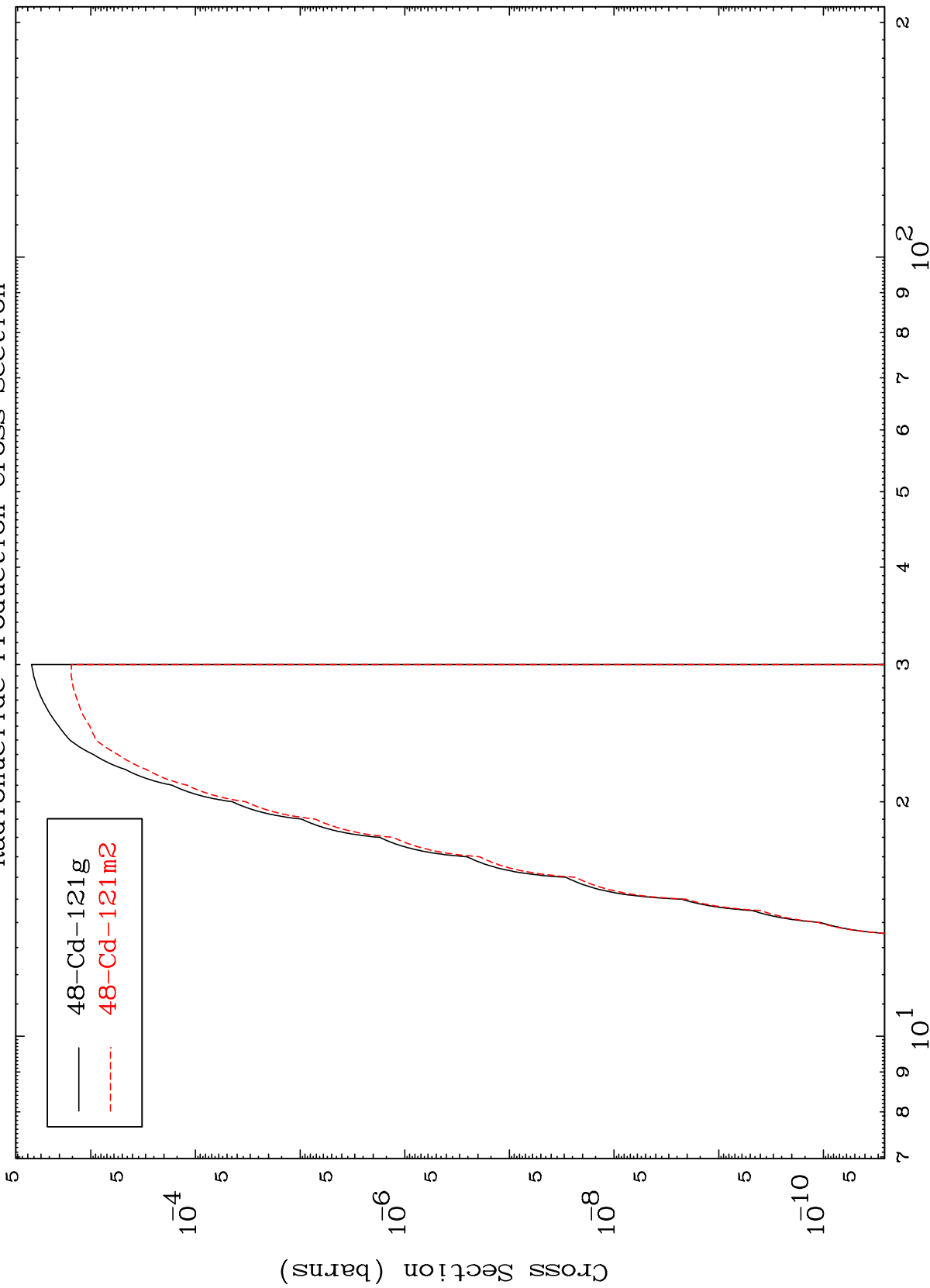
132

MAT 5064

50-Sn-125

(n,n') α

Radionuclide Production Cross Section



50-Sn-125

Incident Energy (MeV)

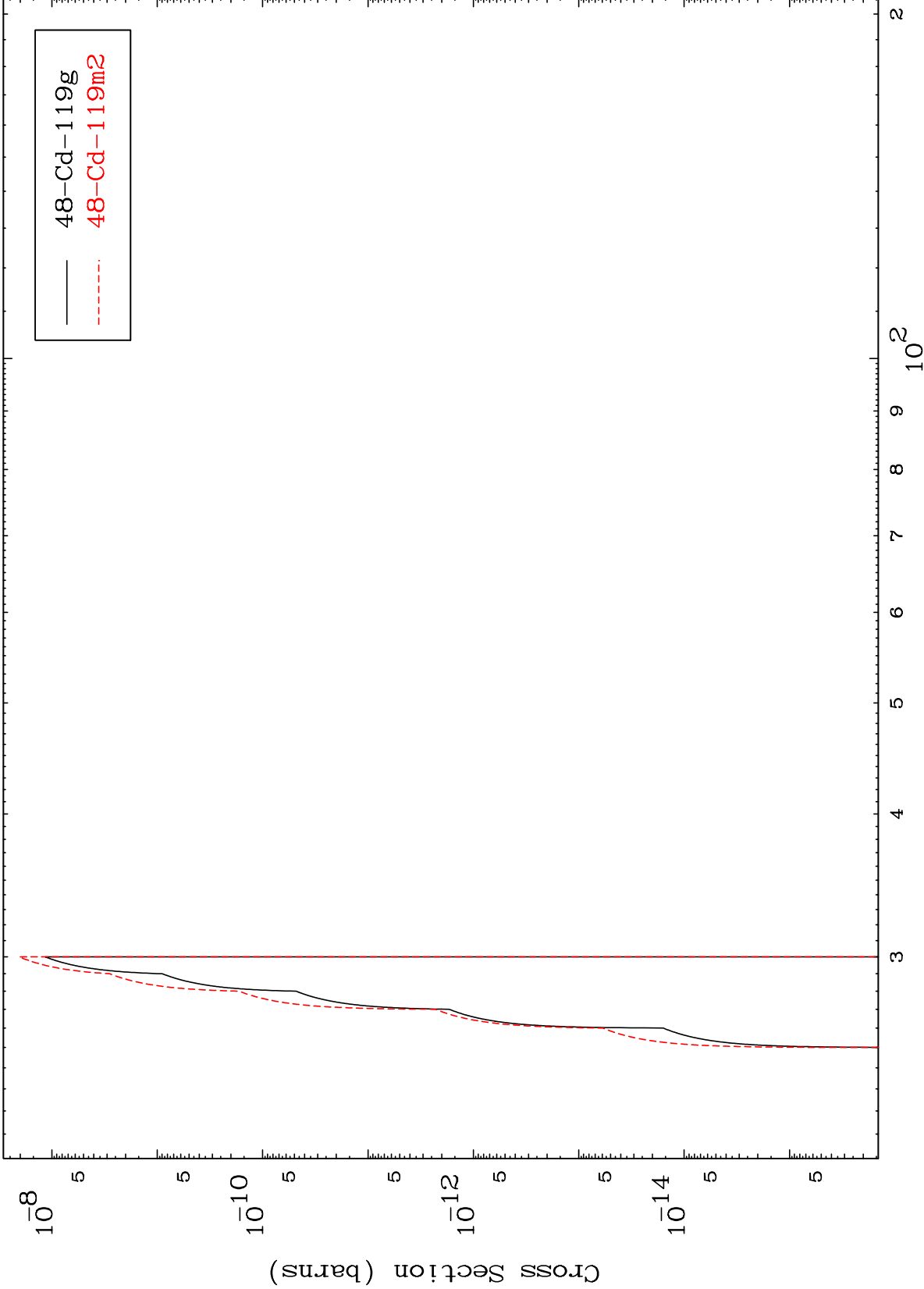
133

MAT 5064

(n,3n) α

50-Sn-125

Radionuclide Production Cross Section



134

Incident Energy (MeV)

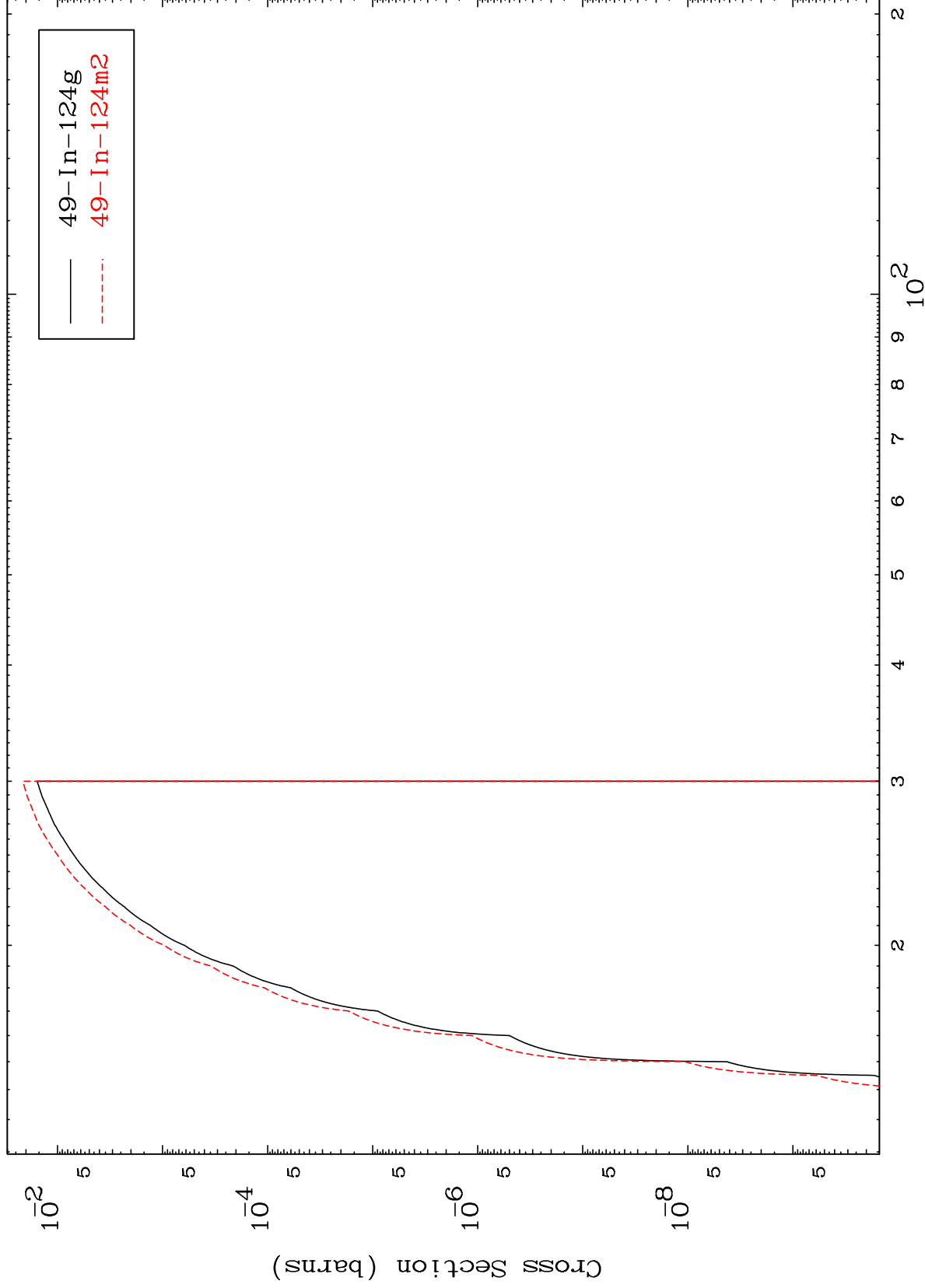
50-Sn-125

MAT 5064

(n,n') p

50-Sn-125

Radionuclide Production Cross Section



135

Incident Energy (MeV)

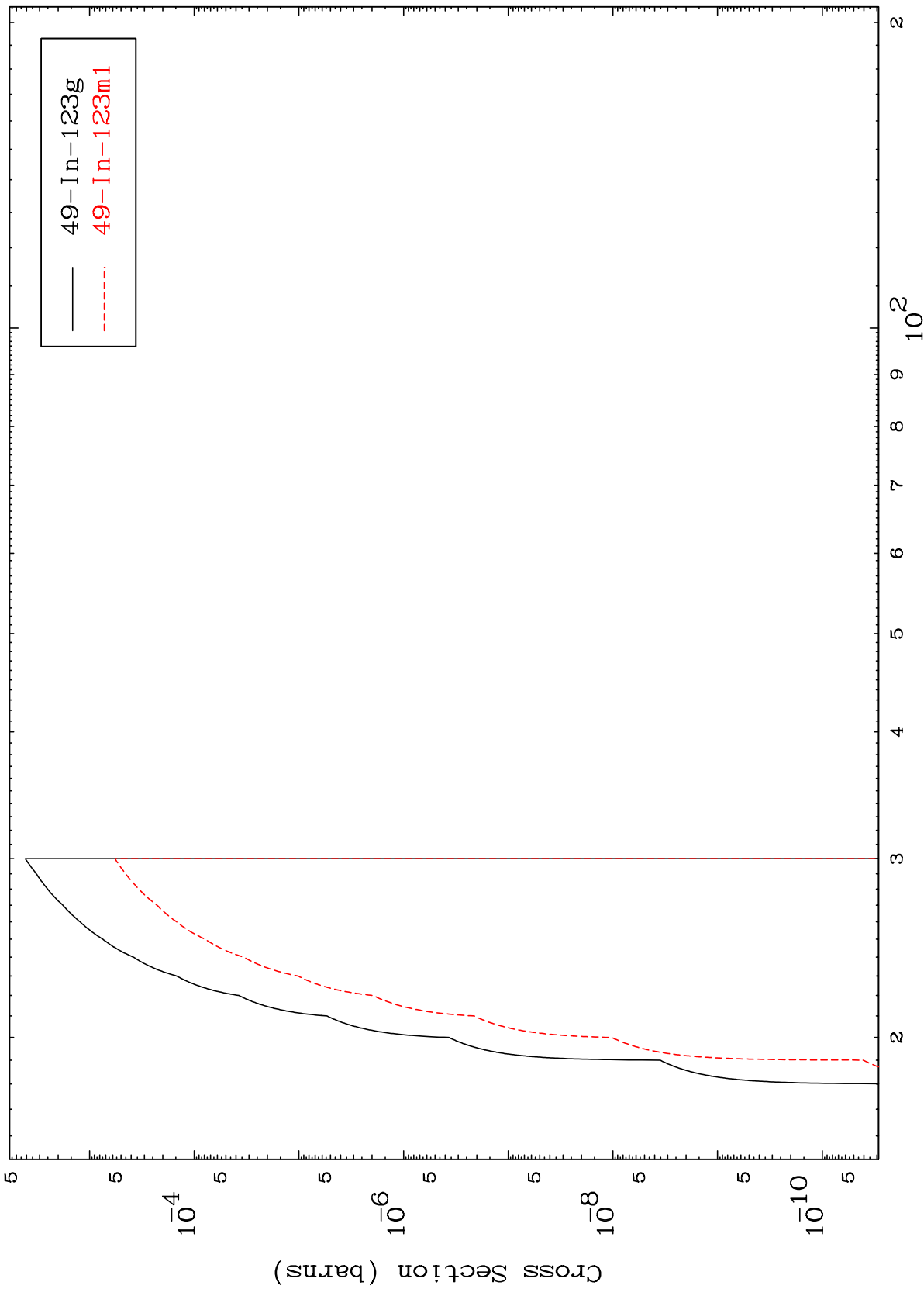
50-Sn-125

MAT 5064

(n,n') d

50-Sn-125

Radionuclide Production Cross Section



136

Incident Energy (MeV)

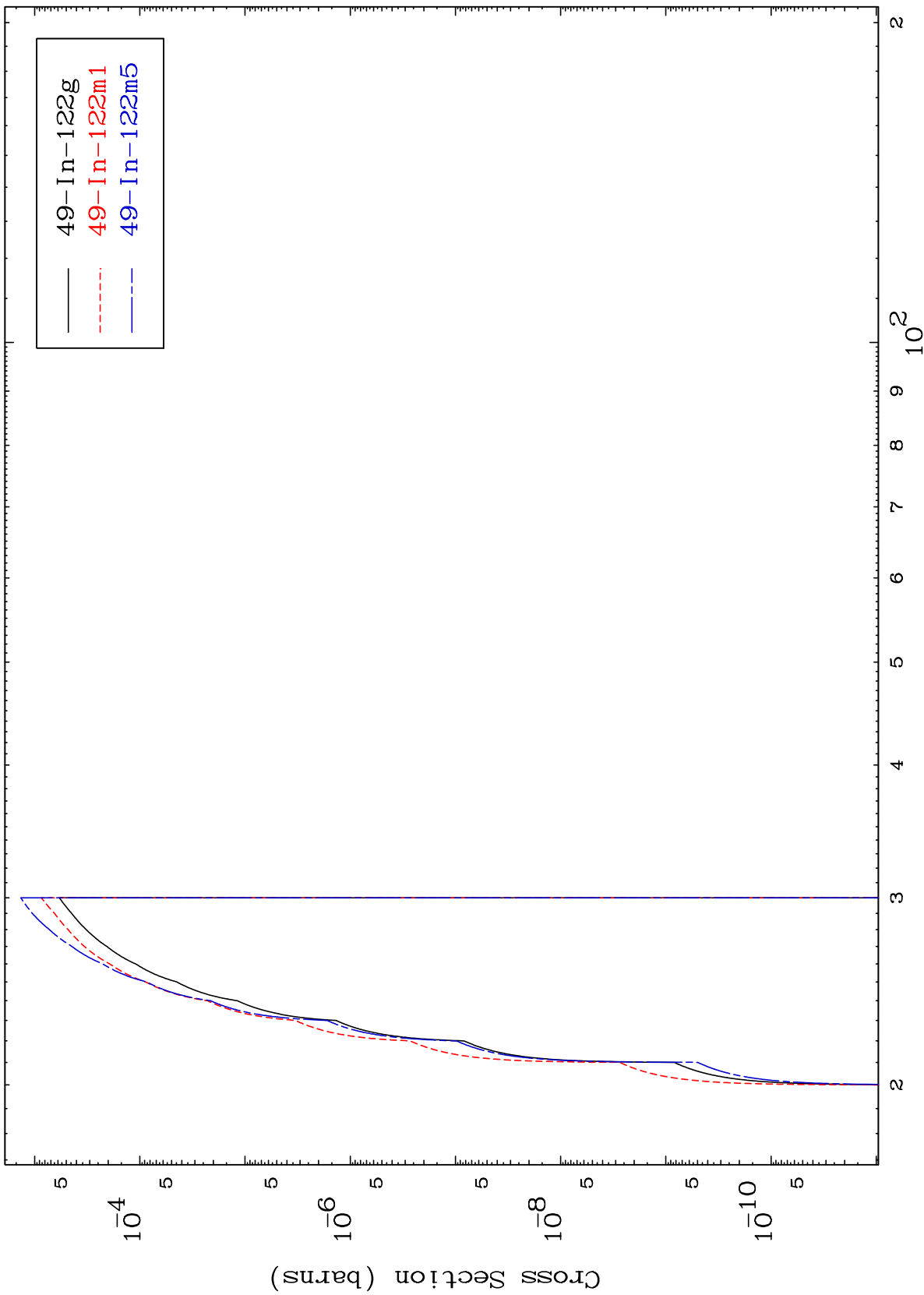
50-Sn-125

MAT 5064

(n,n') t

50-Sn-125

Radionuclide Production Cross Section



137

Incident Energy (MeV)

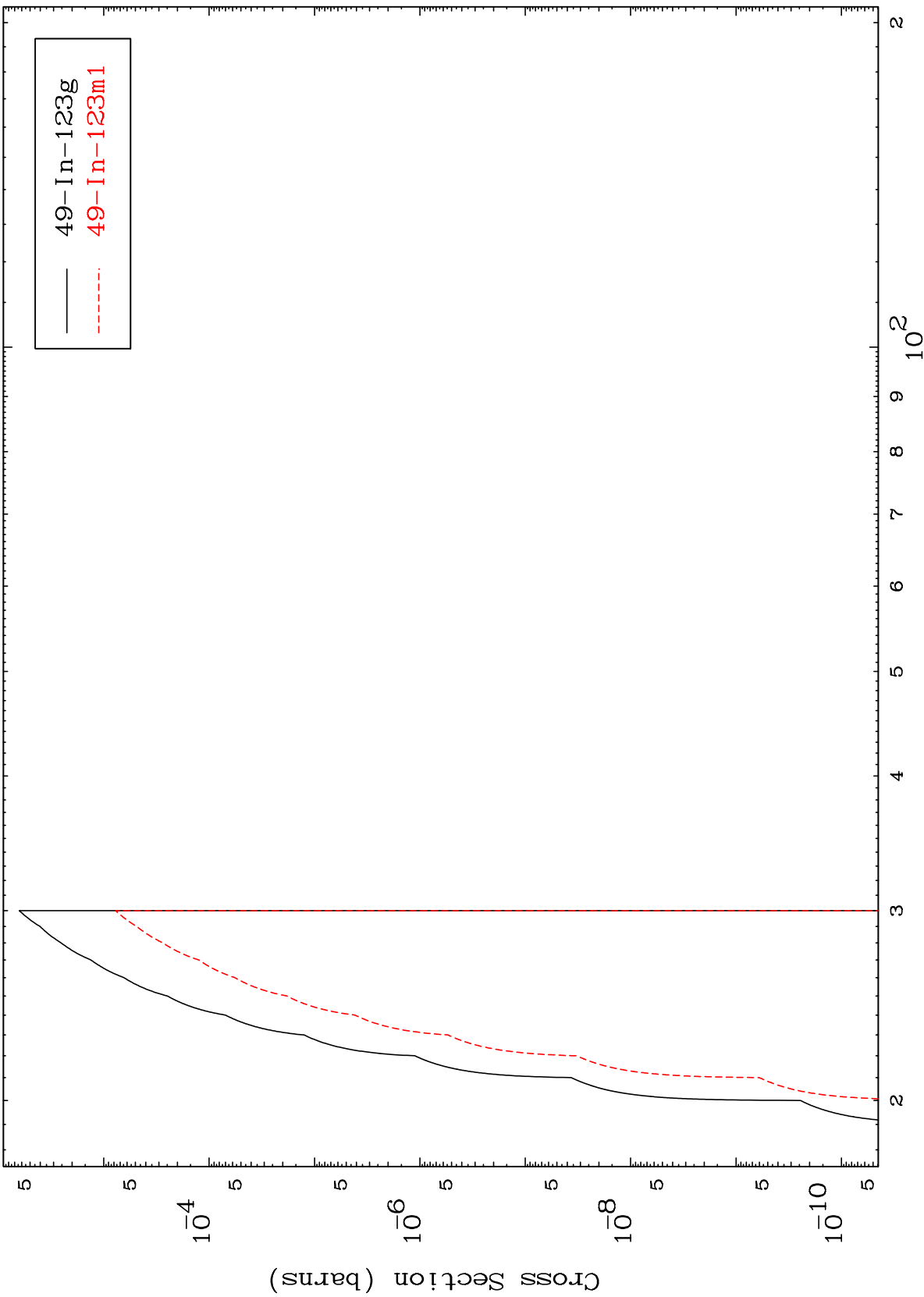
50-Sn-125

MAT 5064

(n,2n) p

50-Sn-125

Radionuclide Production Cross Section

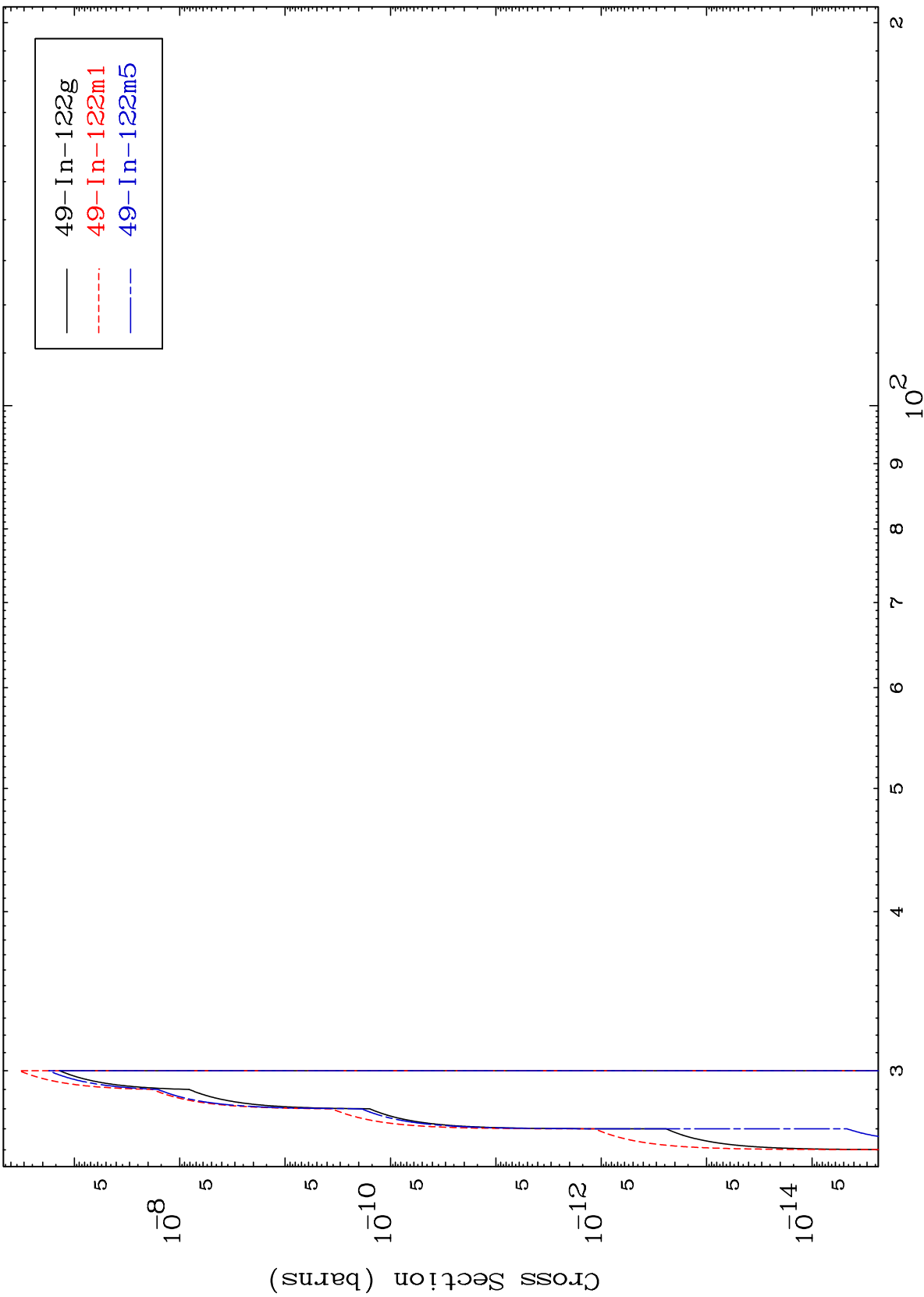


138

Incident Energy (MeV)

50-Sn-125

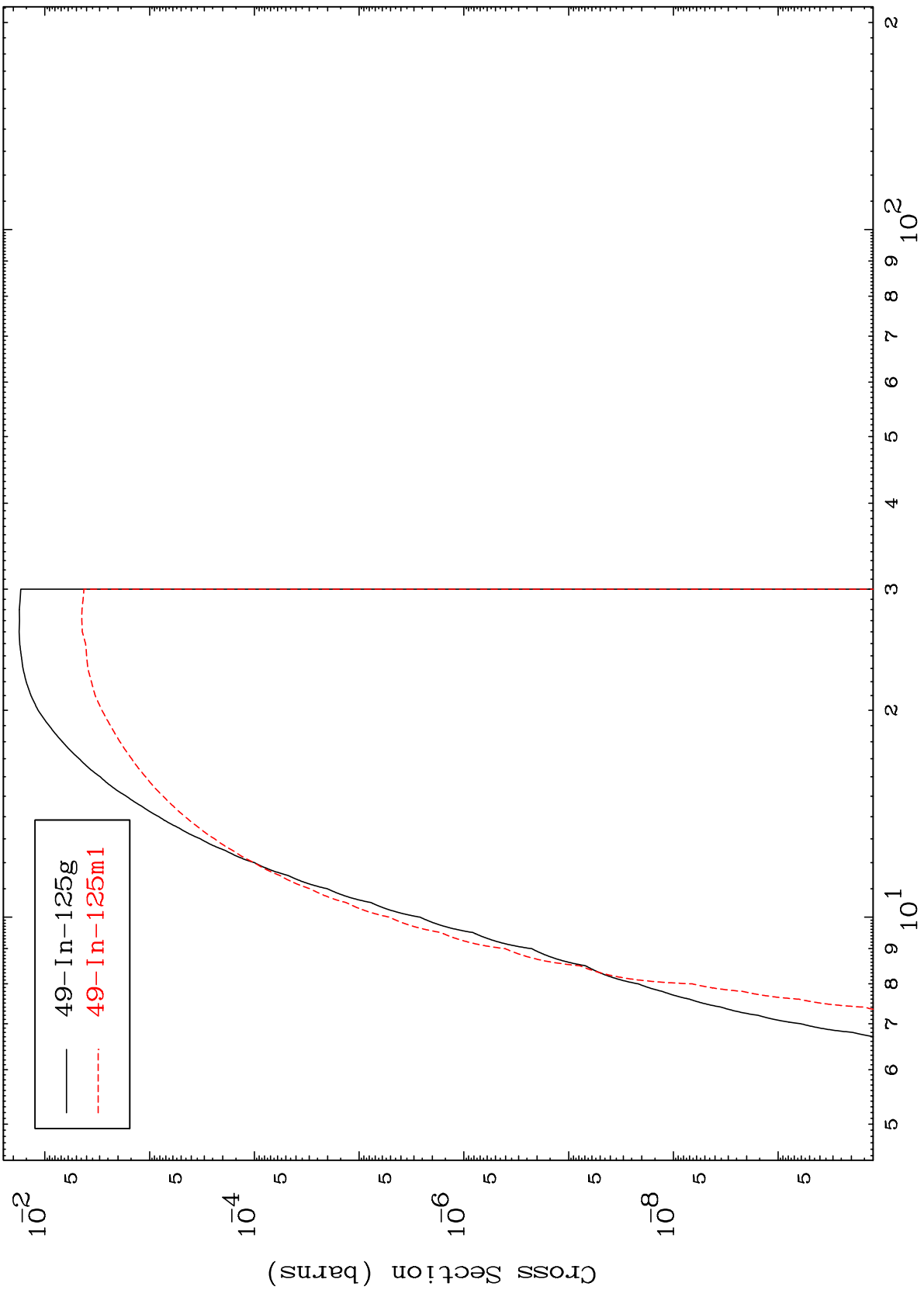
Radionuclide Production Cross Section



MAT 5064

50-Sn-125

(n,p)
Radionuclide Production Cross Section



140

Incident Energy (MeV)

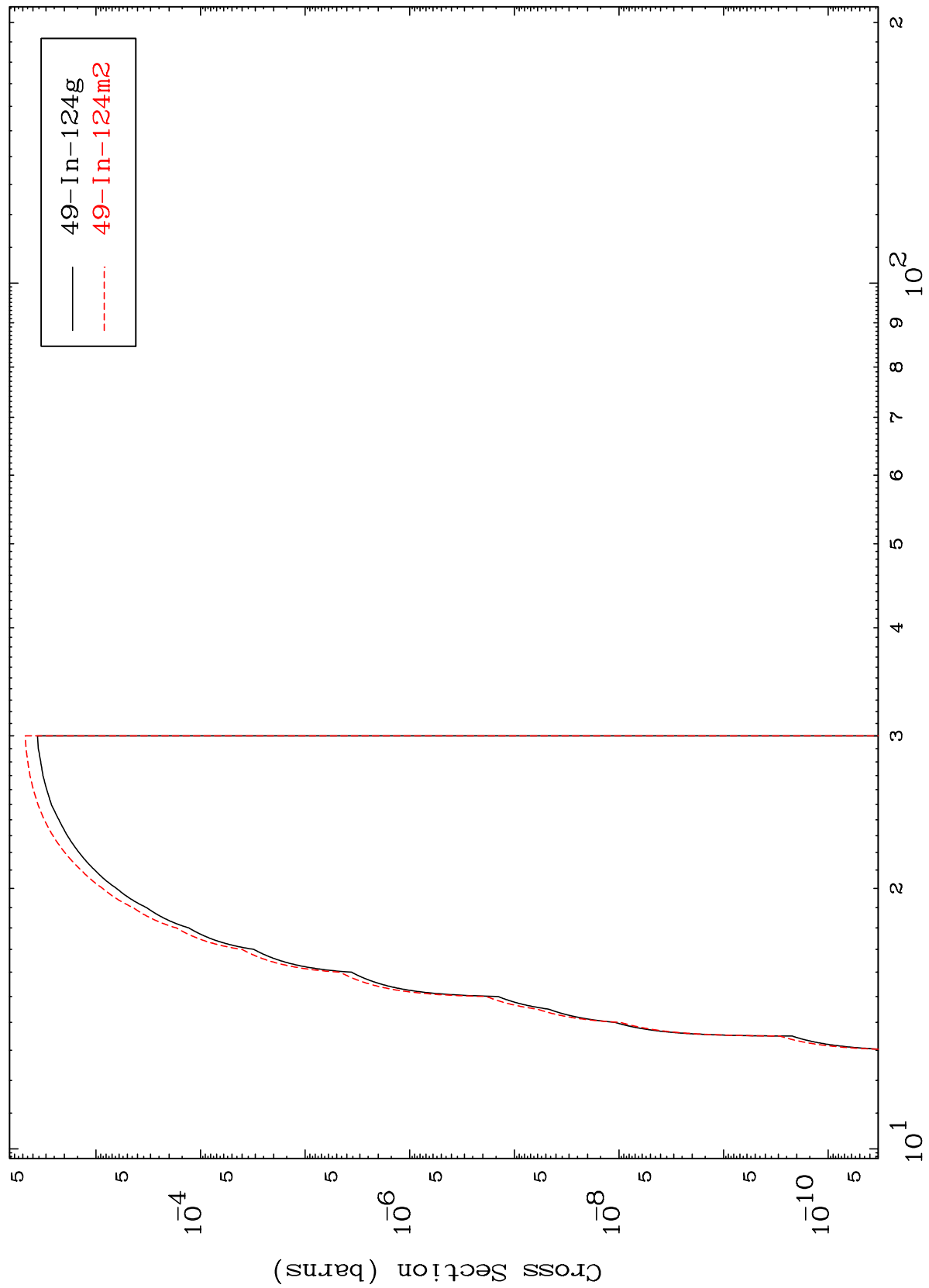
50-Sn-125

MAT 5064

(n,d)

50-Sn-125

Radionuclide Production Cross Section



141

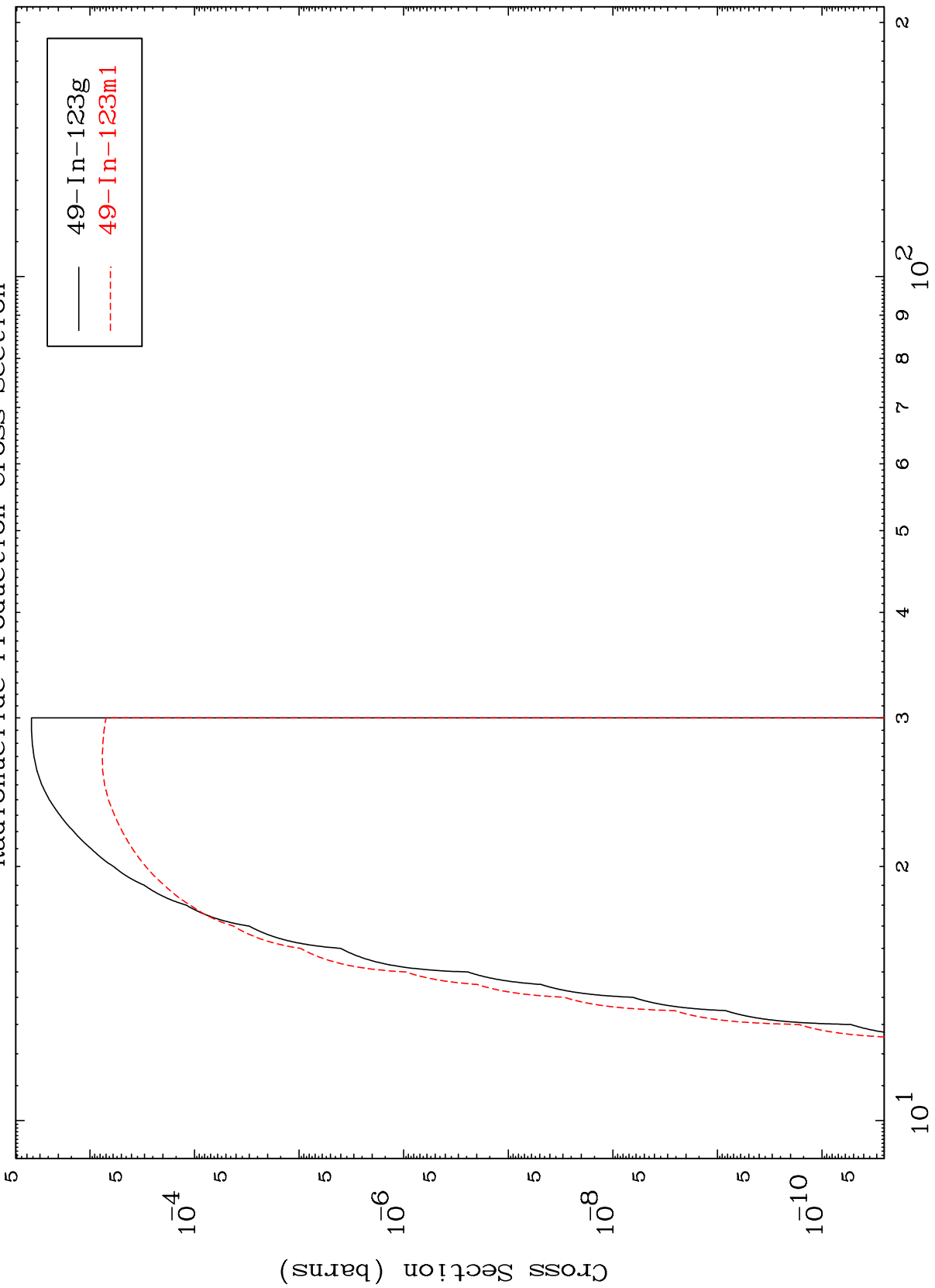
Incident Energy (MeV)

50-Sn-125

MAT 5064

50-Sn-125

(n,t)
Radionuclide Production Cross Section



50-Sn-125

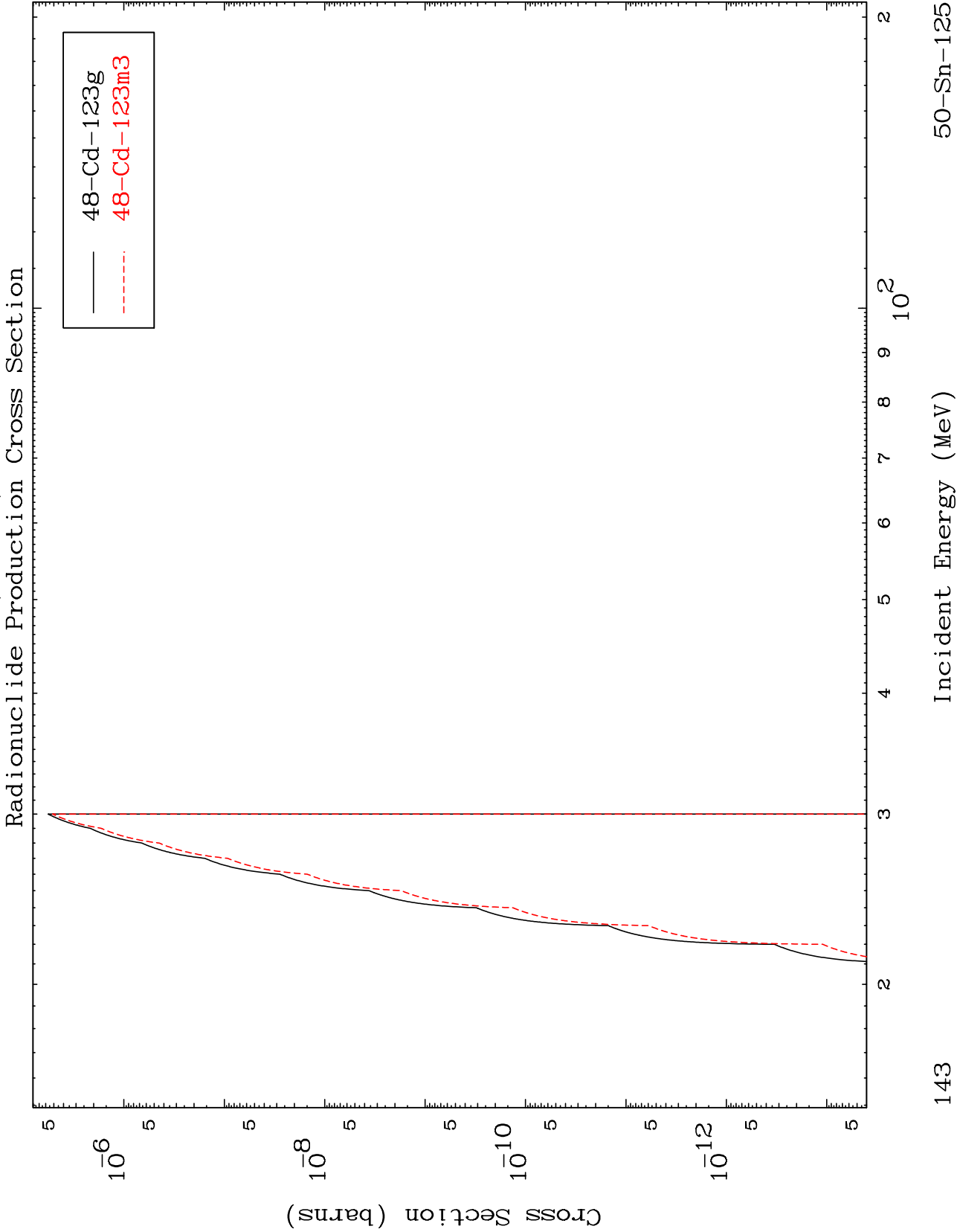
Incident Energy (MeV)

142

MAT 5064

(n,He-3)

50-Sn-125



143

50-Sn-125