

Program EVALPLOT
(Version 2015-2)

by

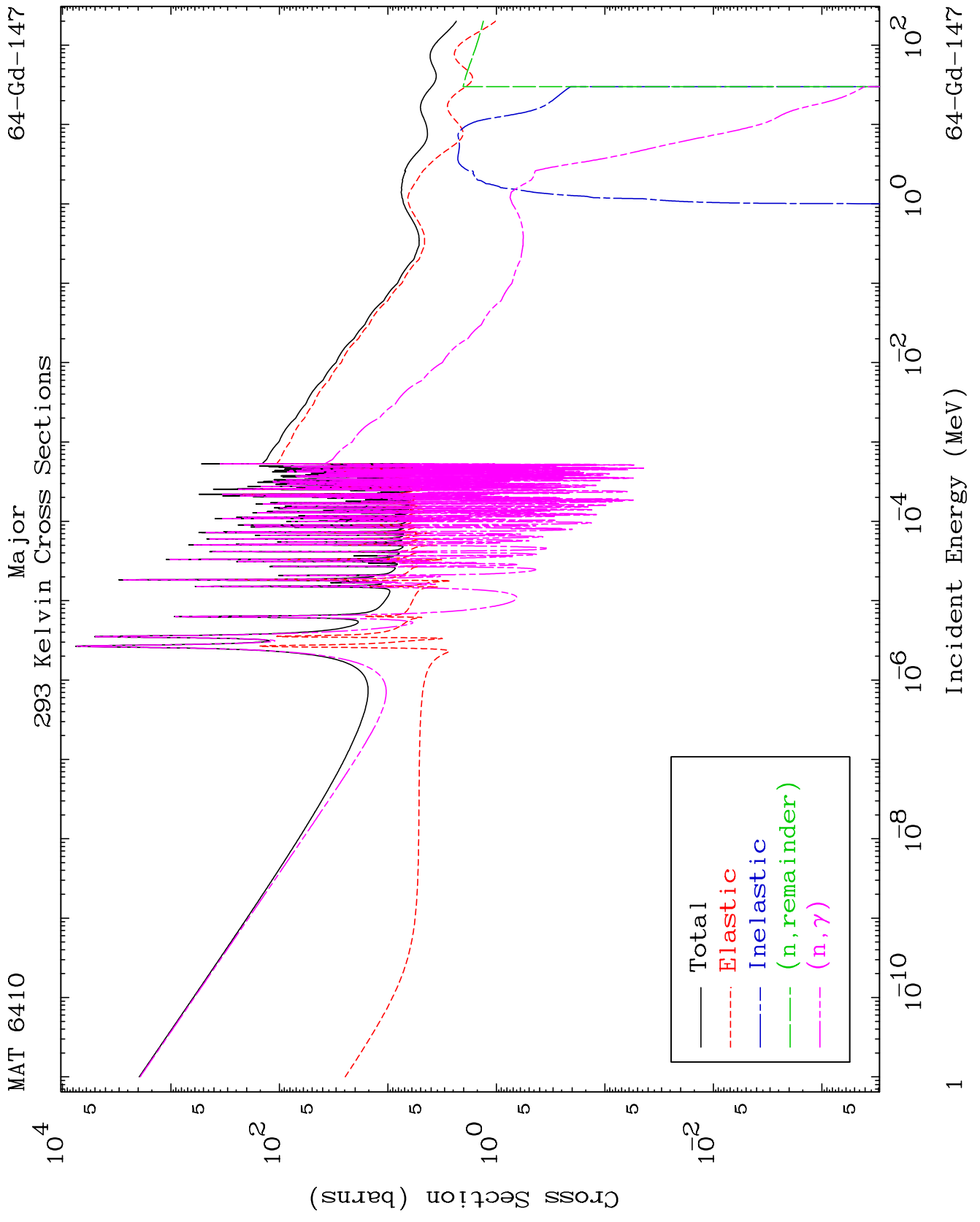
Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

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

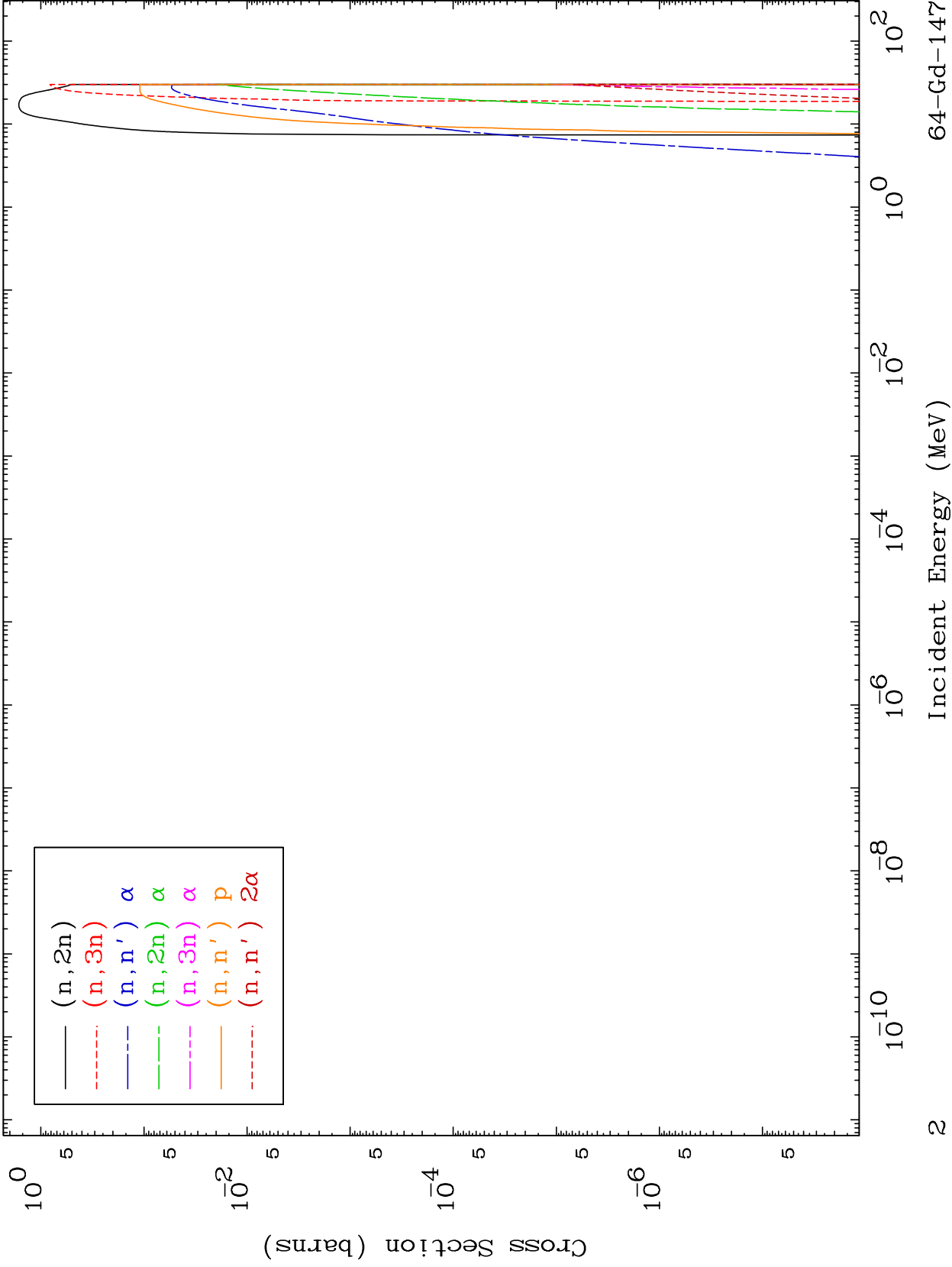
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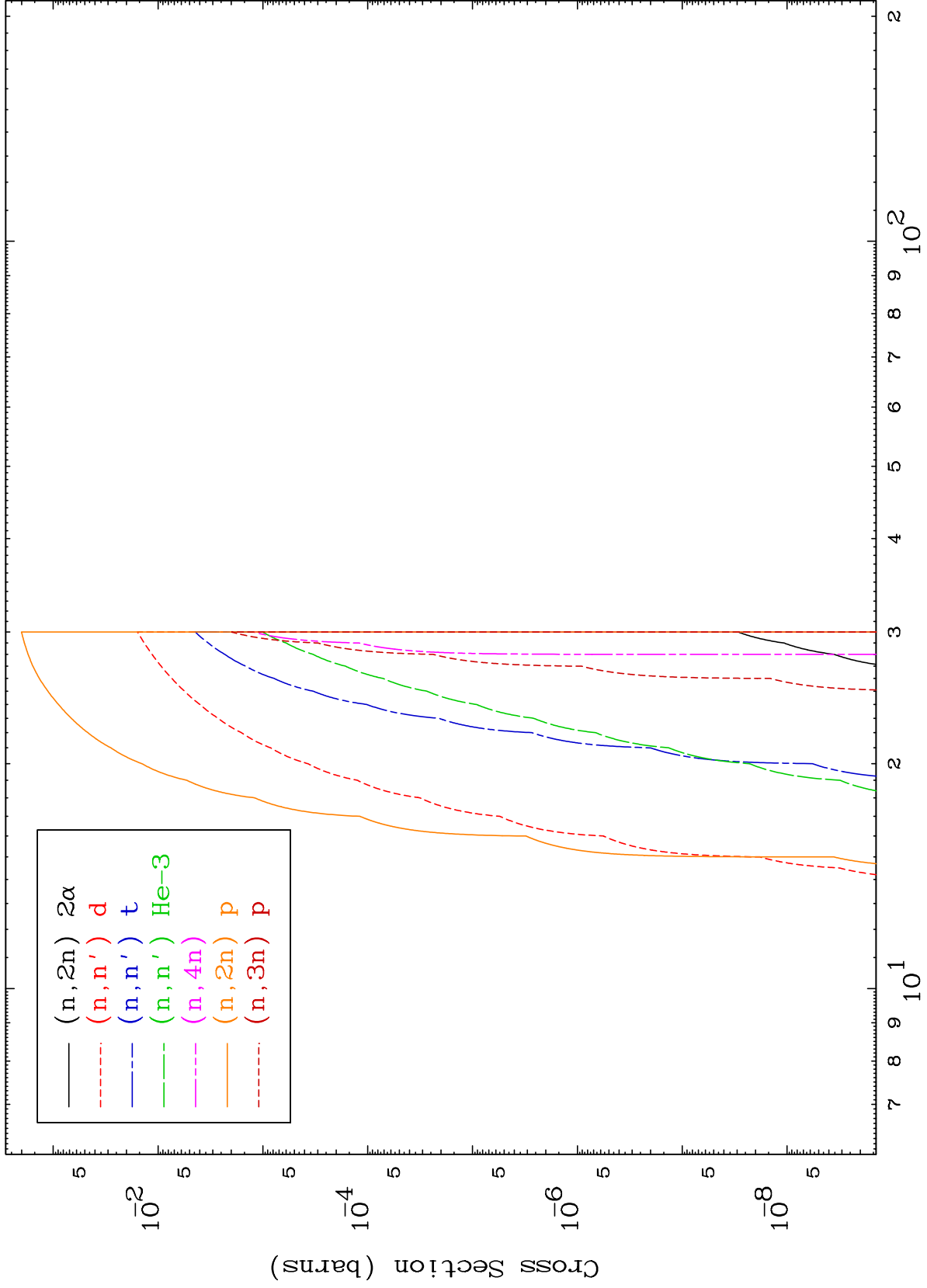


MAT 6410

Neutron Production
293 Kelvin Cross Sections

64-Gd-147

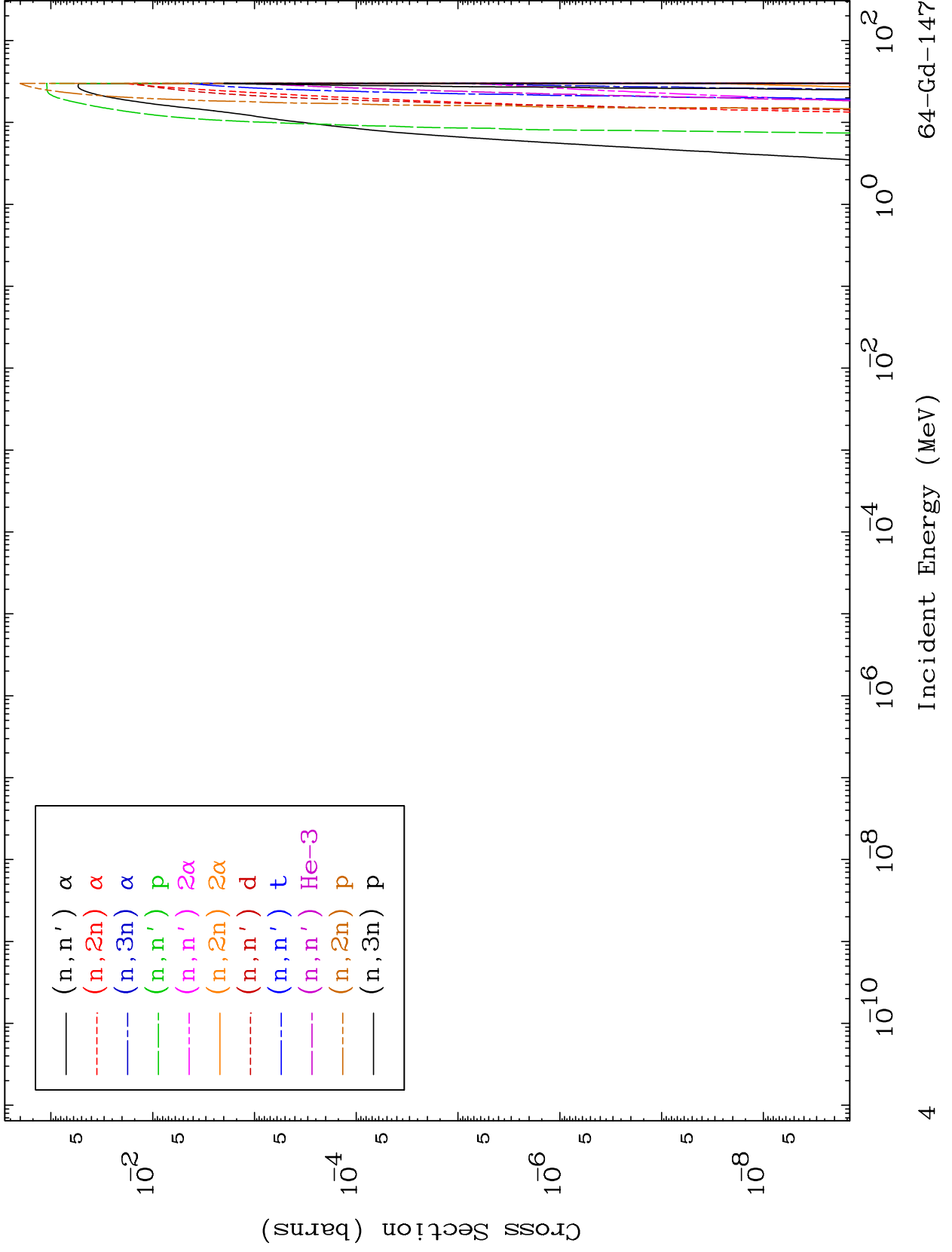




MAT 6410

Charged Particle
293 Kelvin Cross Sections

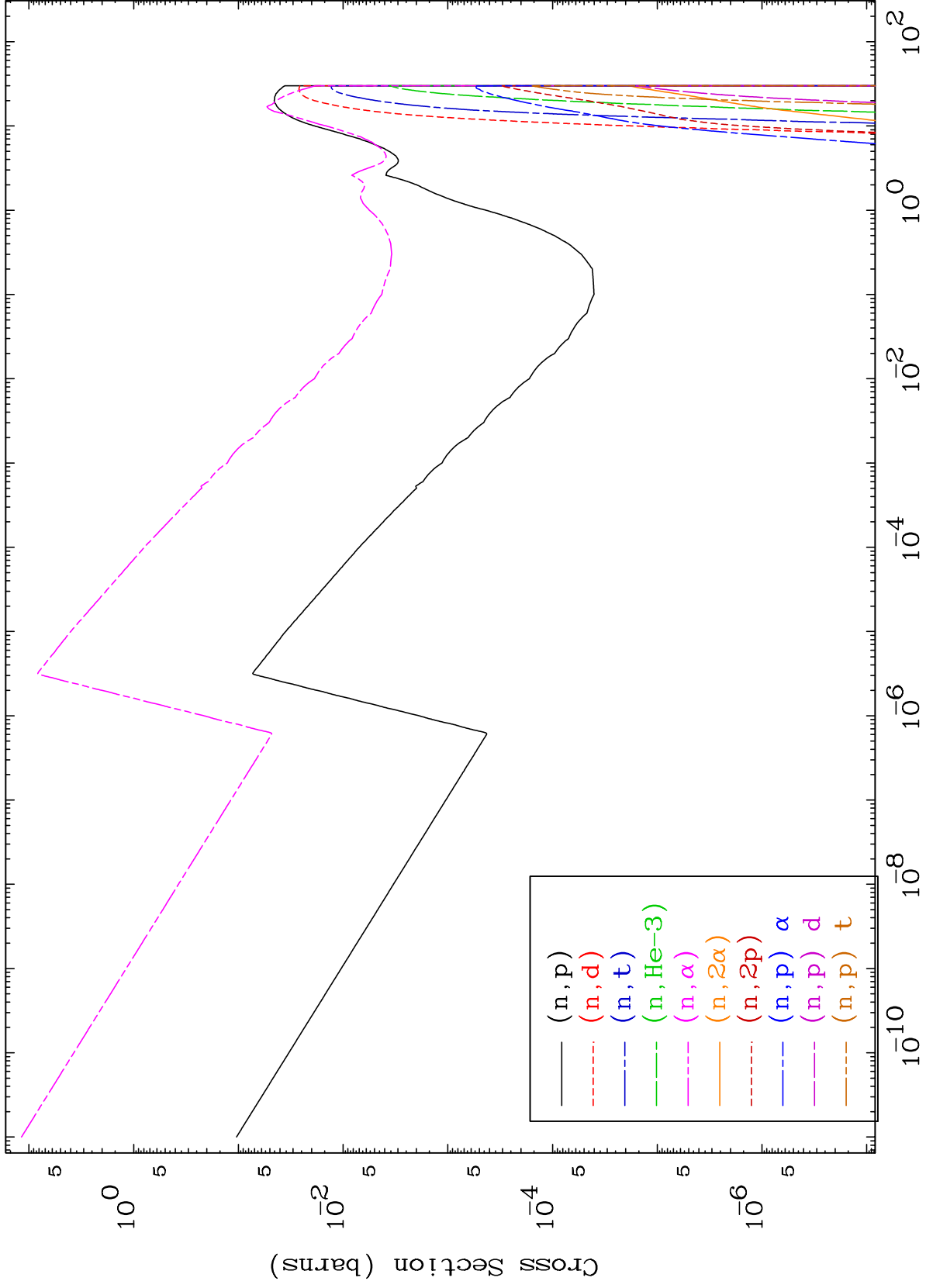
64-Gd-147



MAT 6410

Charged Particle
293 Kelvin Cross Sections

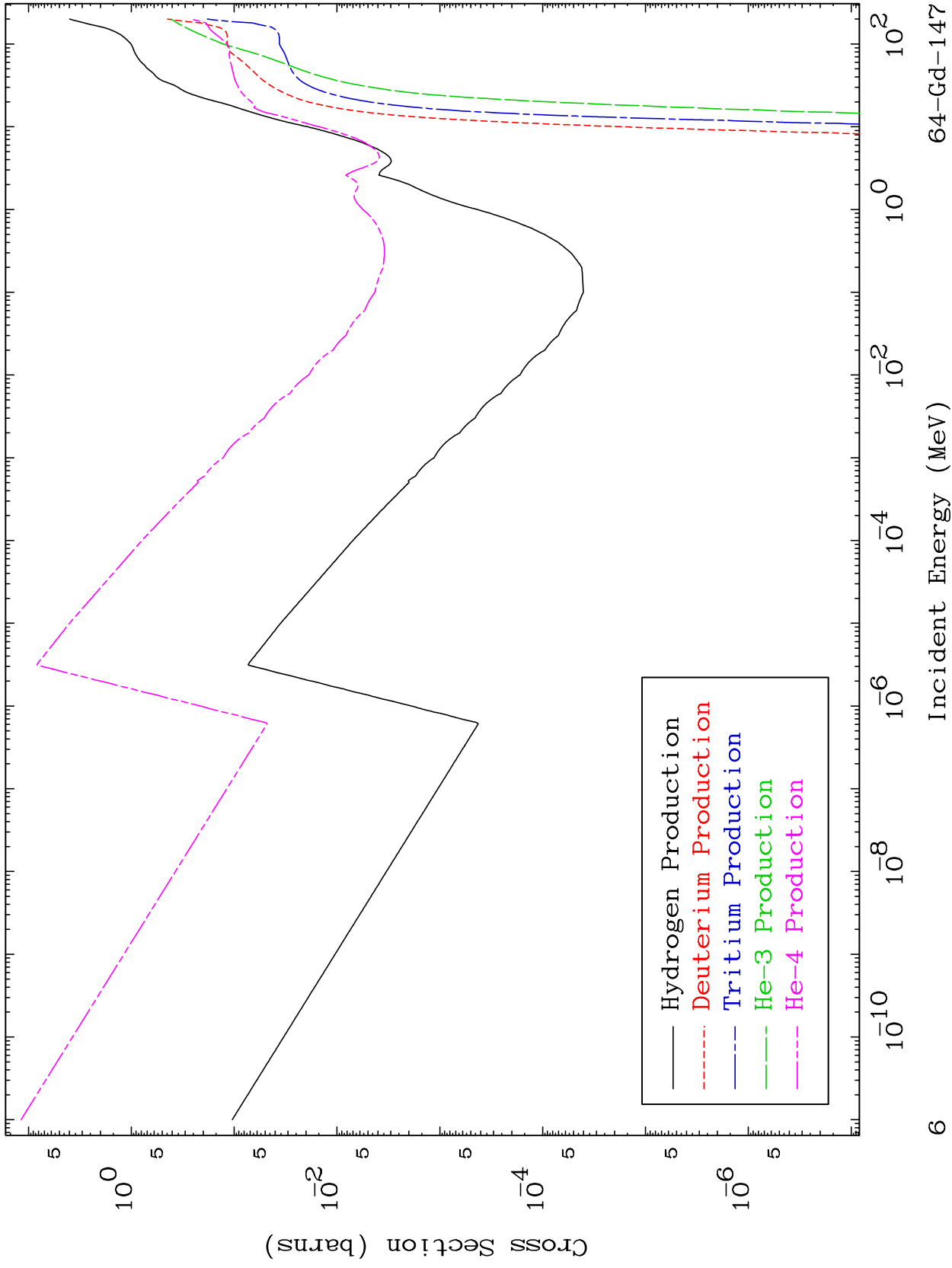
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MAT 6410

Particle Production
293 Kelvin Cross Sections

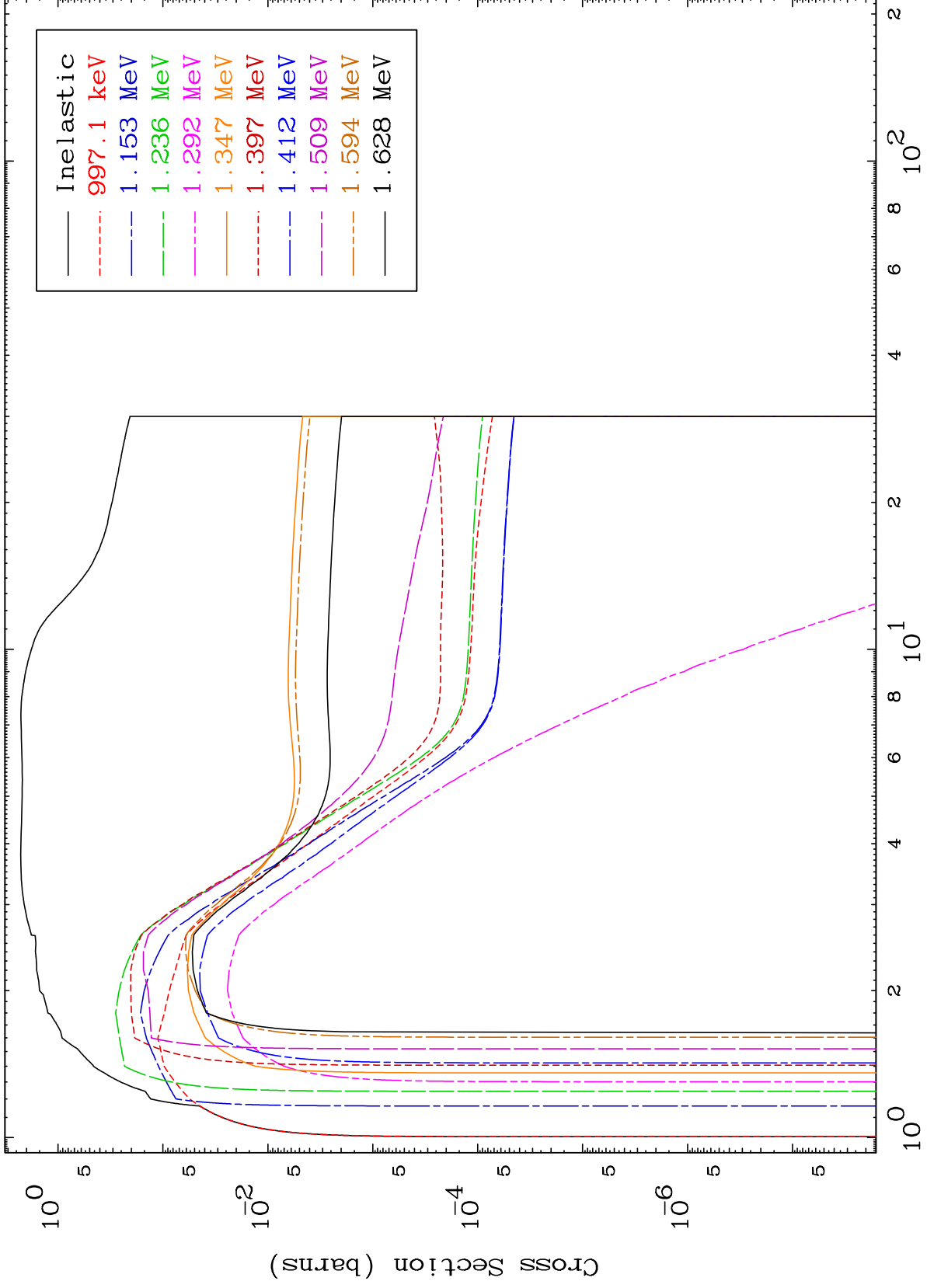
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MAT 6410

(n,n') Level
293 Kelvin Cross Sections

64-Gd-147



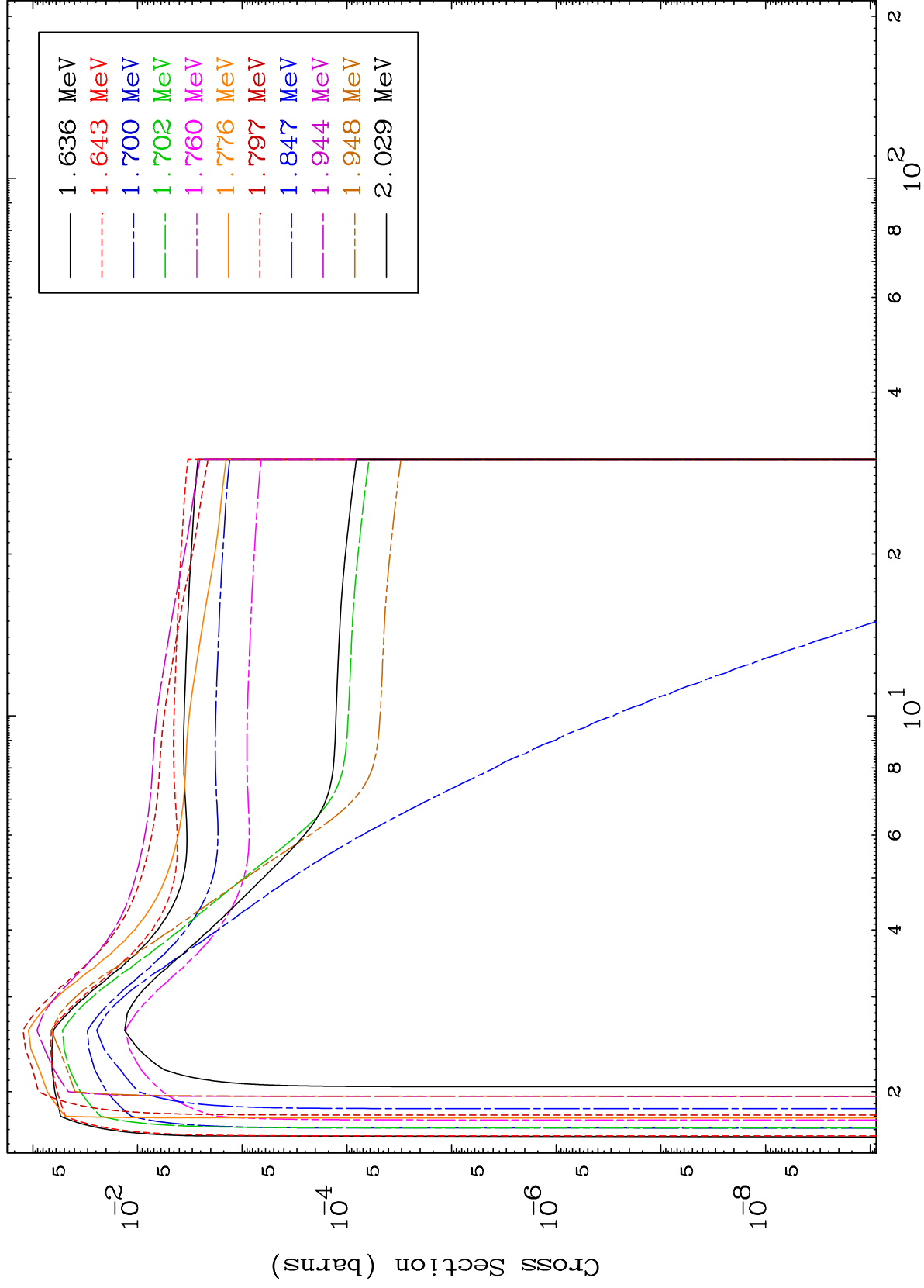
Incident Energy (MeV)

64-Gd-147

MAT 6410

(n,n') Level
293 Kelvin Cross Sections

64-Gd-147



8

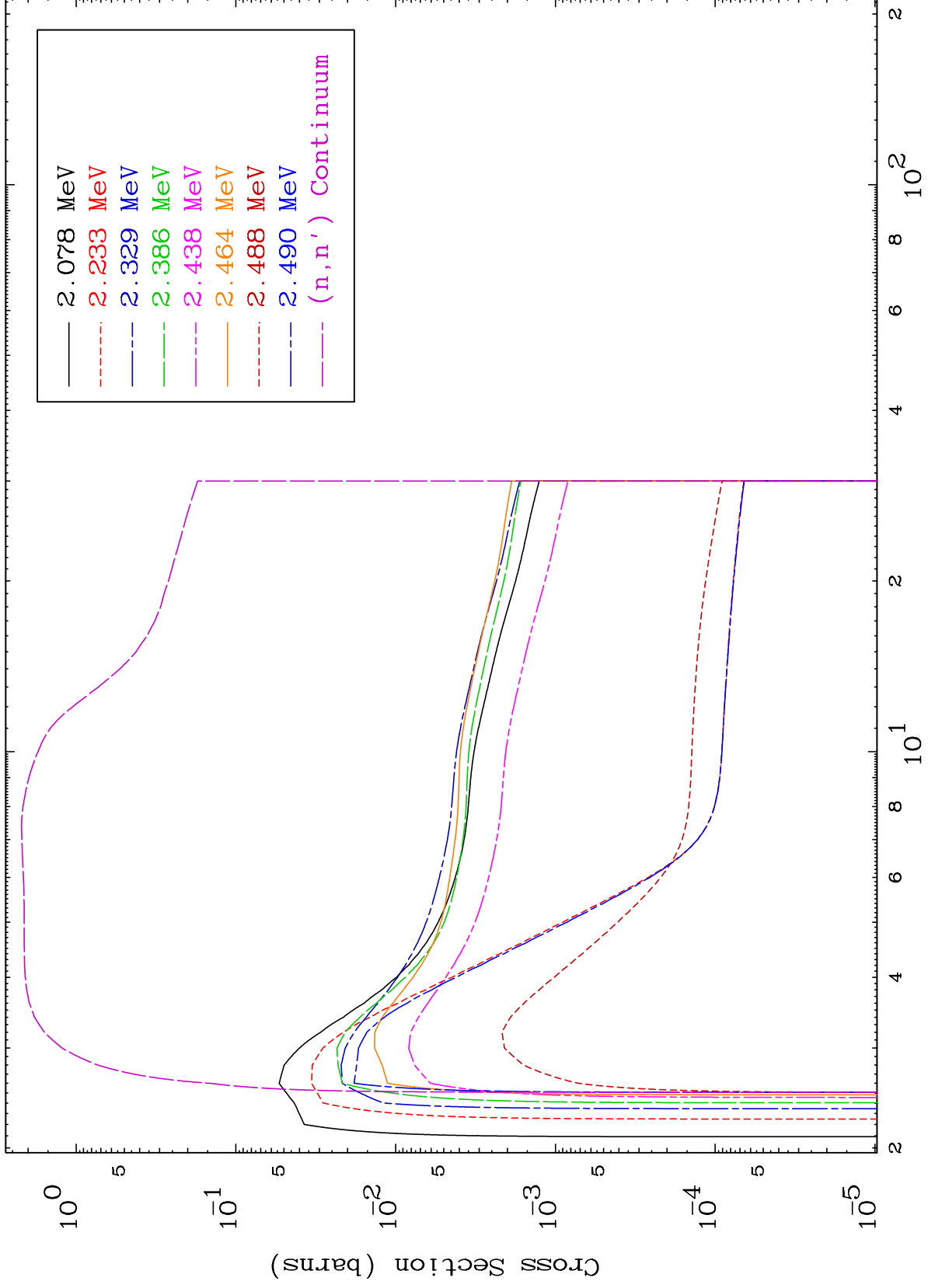
Incident Energy (MeV)

64-Gd-147

MAT 6410

(n,n') Level
293 Kelvin Cross Sections

64-Gd-147



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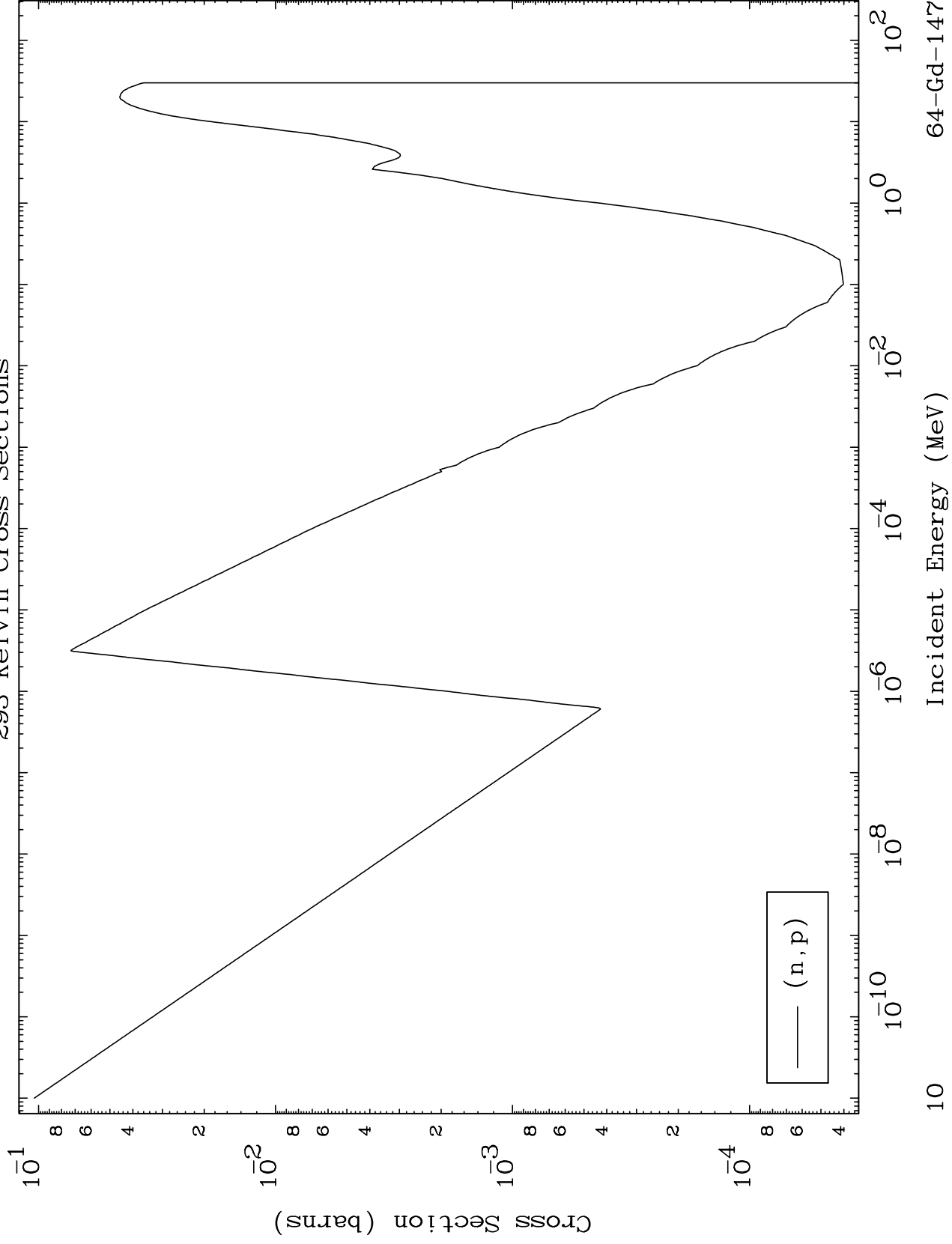
Incident Energy (MeV)

64-Gd-147

MAT 6410

(n,p) Levels
293 Kelvin Cross Sections

64-Gd-147



64-Gd-147

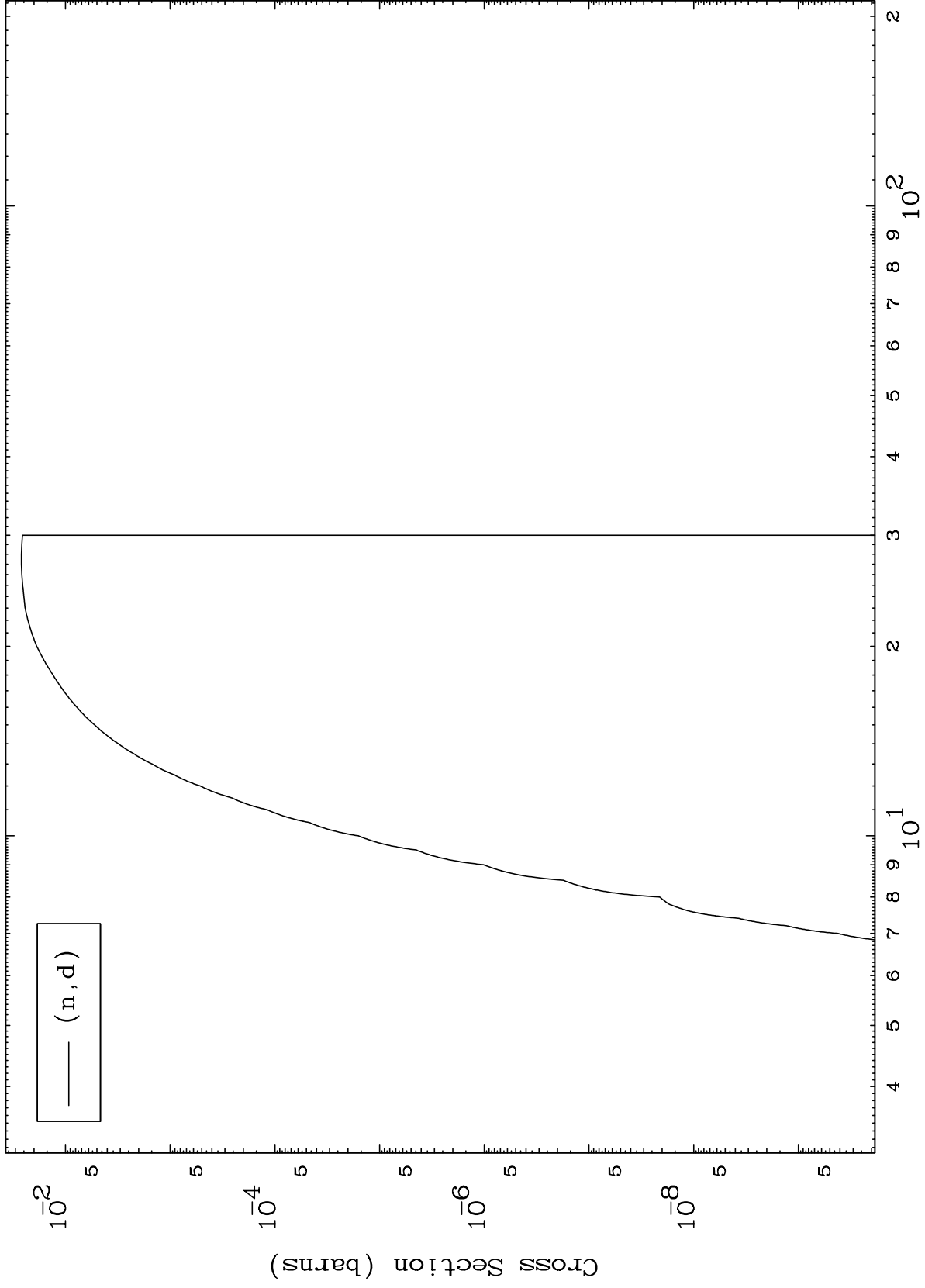
Incident Energy (MeV)

10

MAT 6410

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-147



11

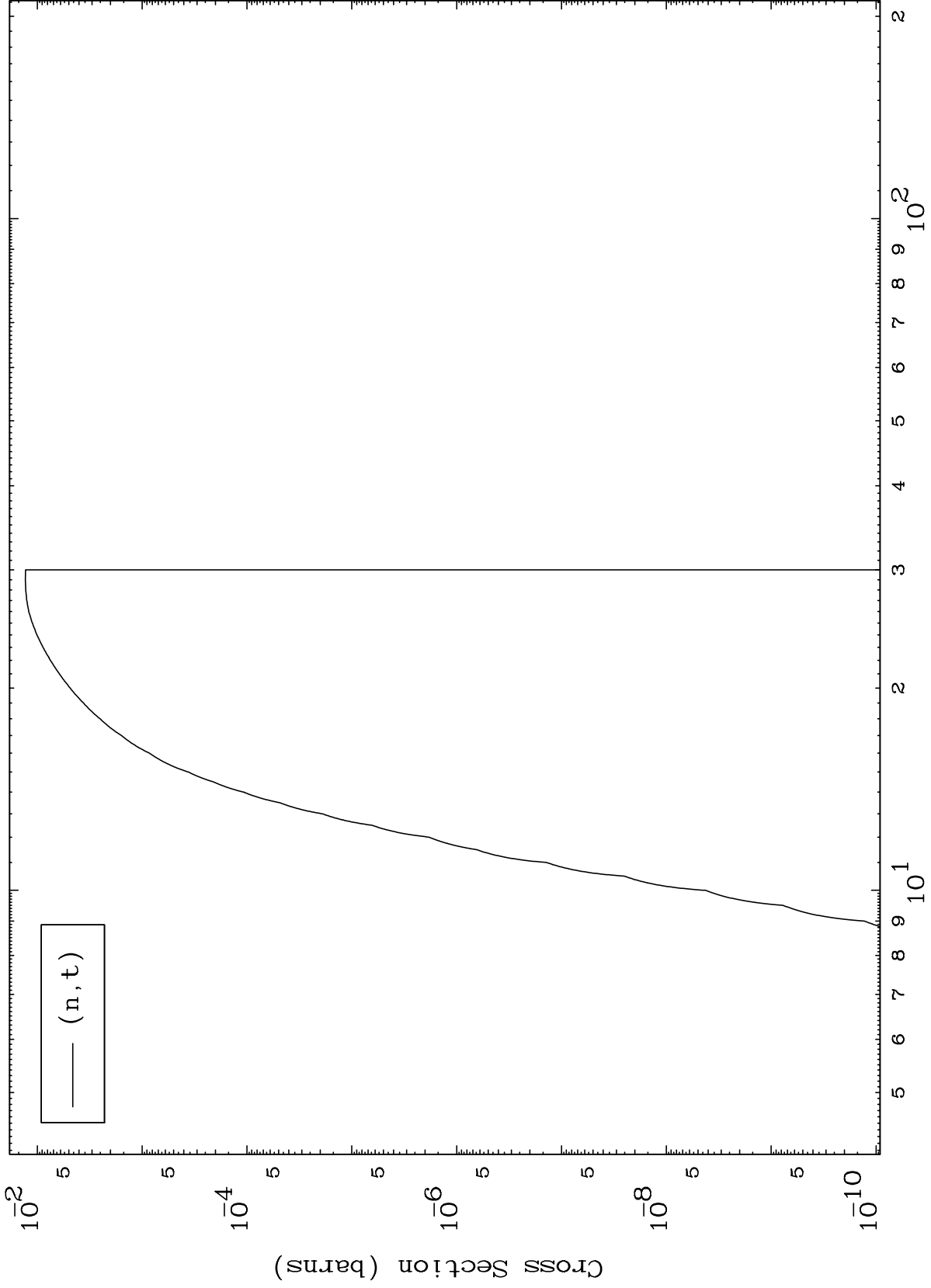
Incident Energy (MeV)

64-Gd-147

MAT 6410

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-147



12

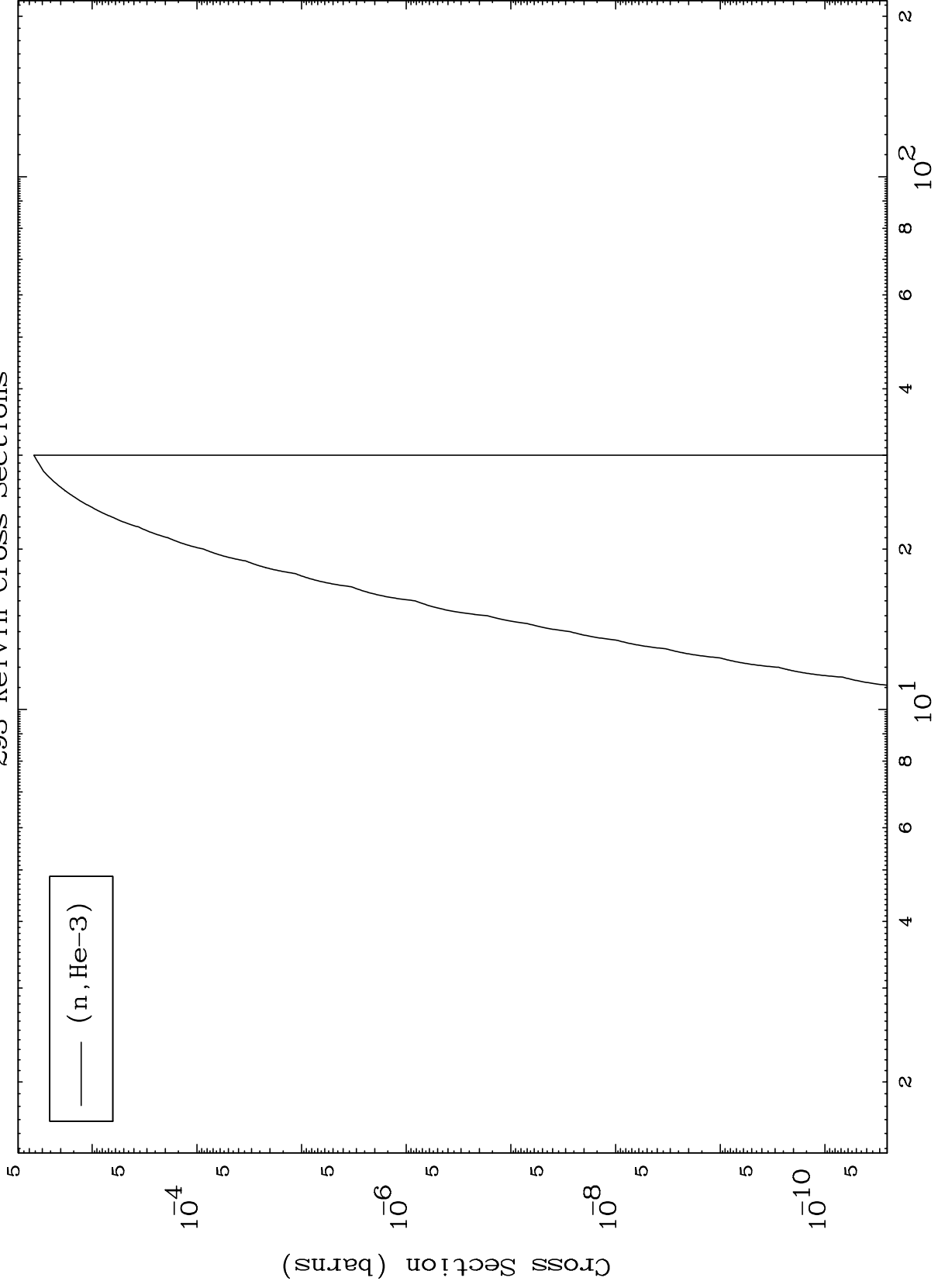
Incident Energy (MeV)

64-Gd-147

MAT 6410

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-147



(n, He-3)

13

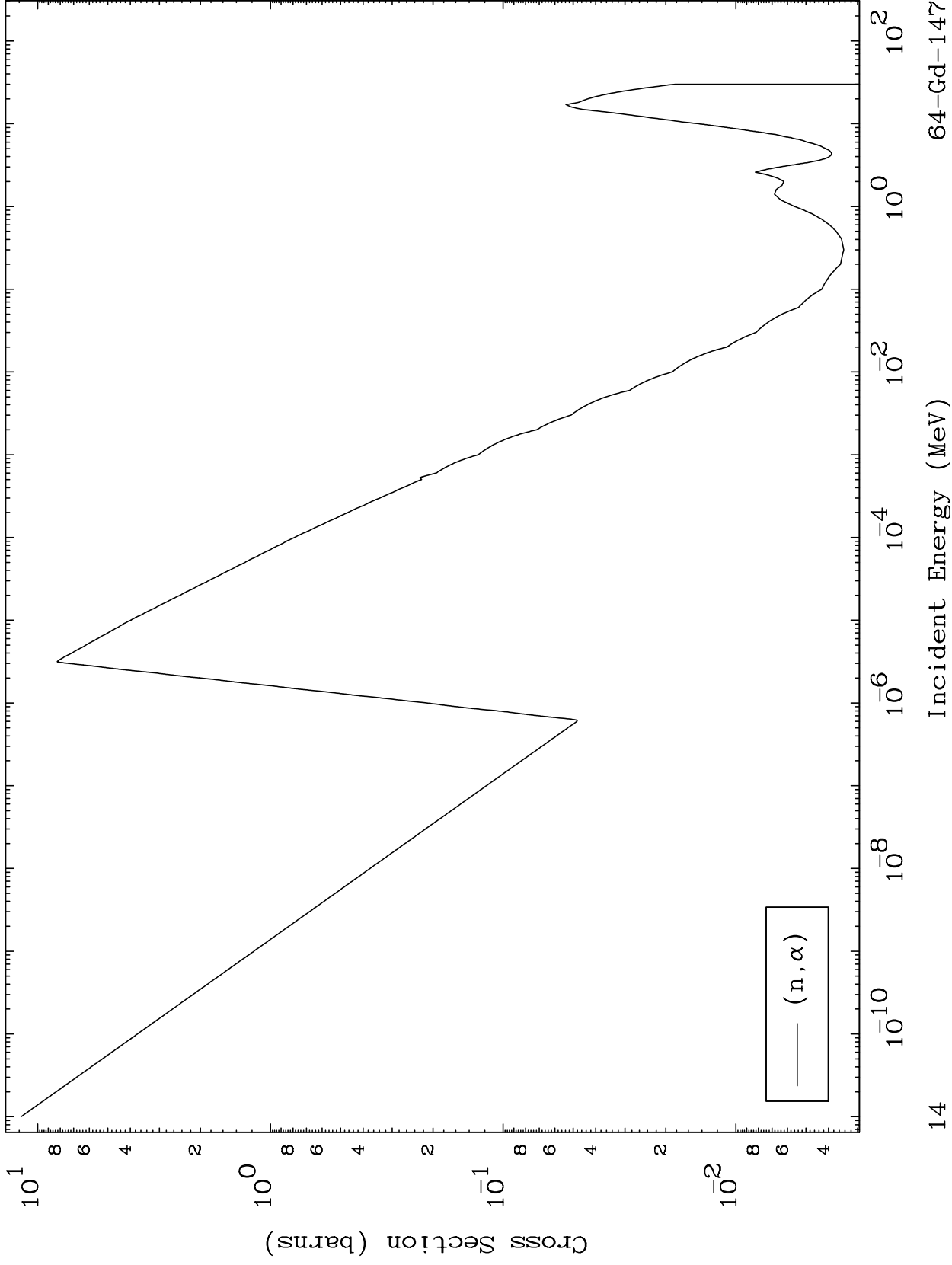
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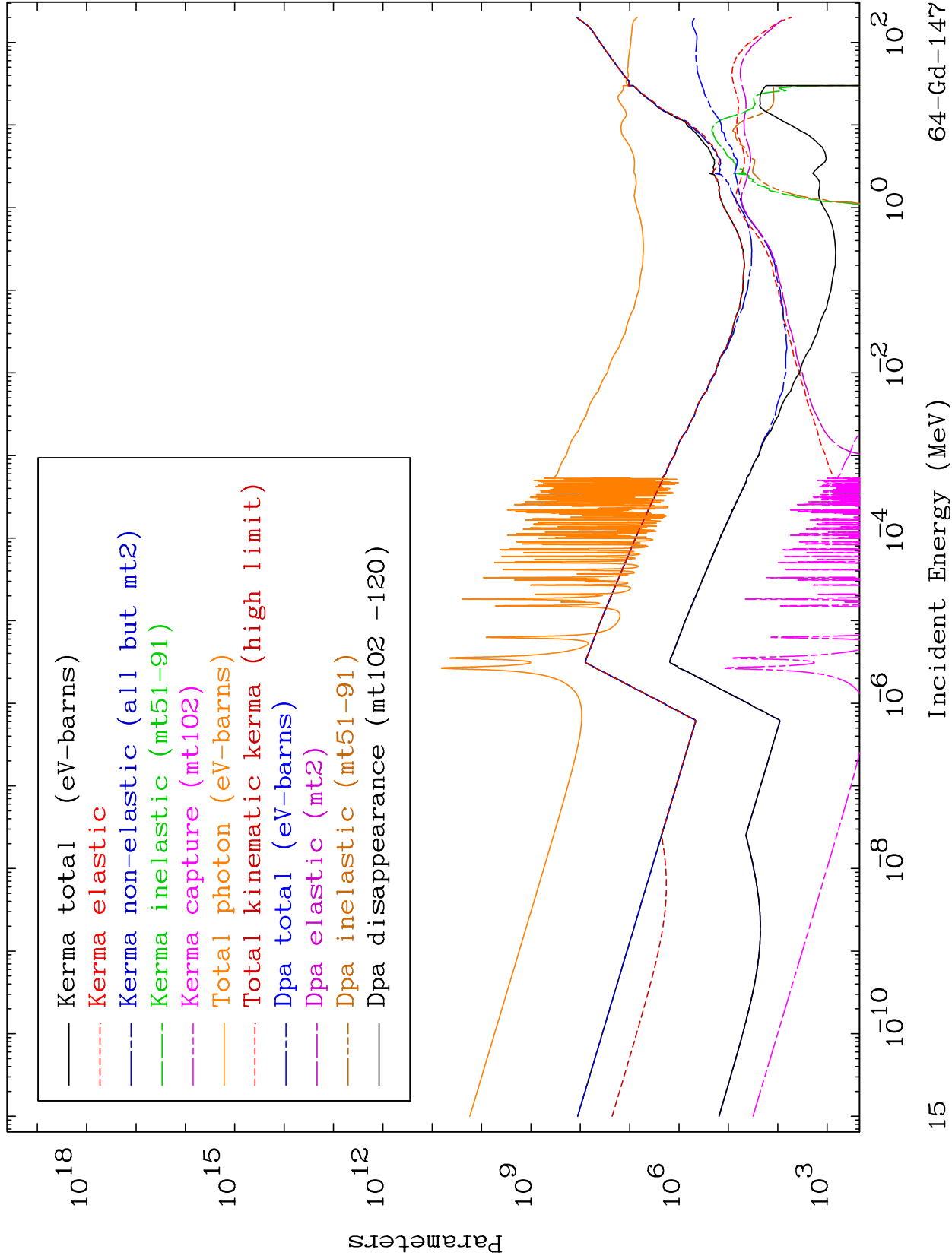
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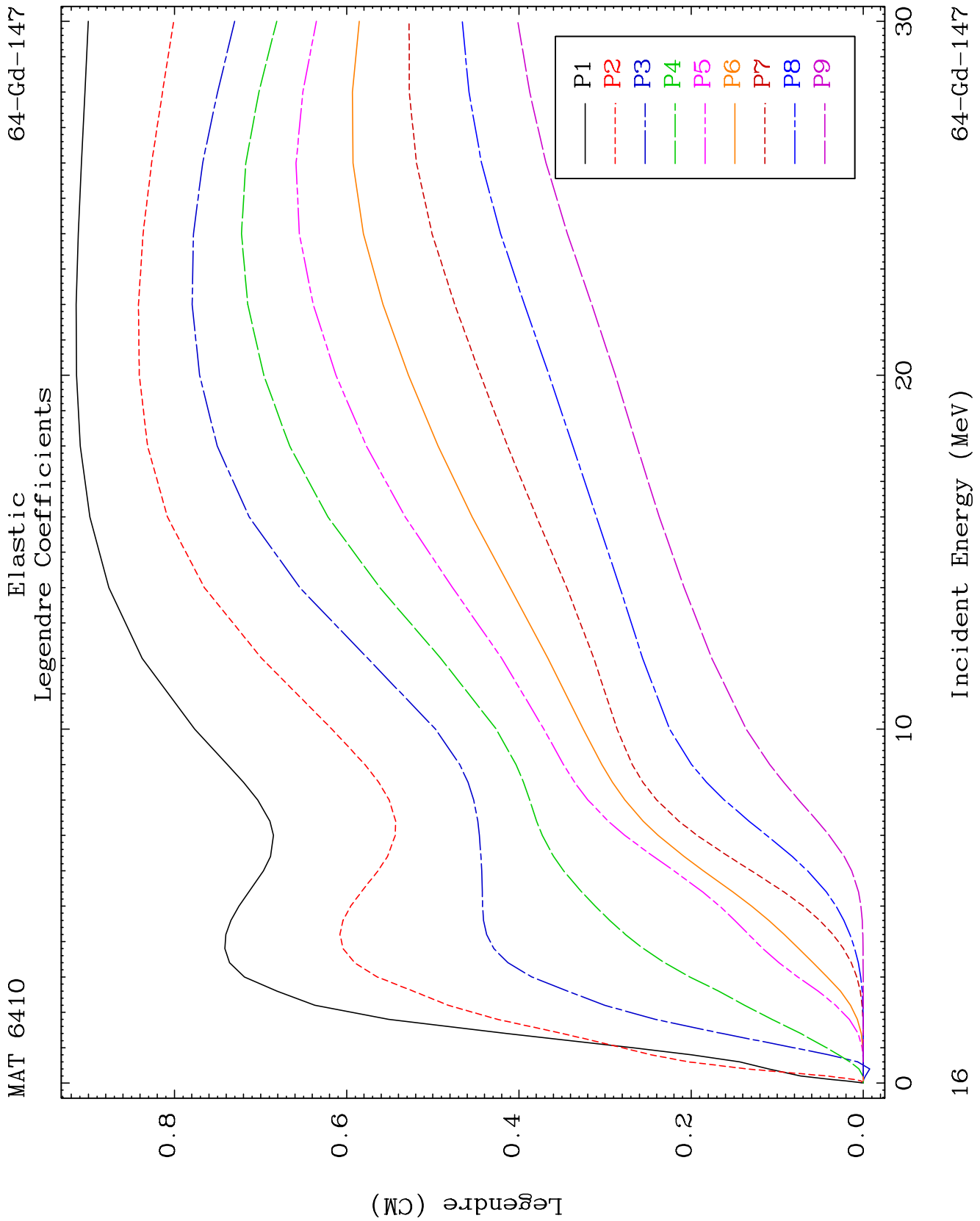
MAT 6410

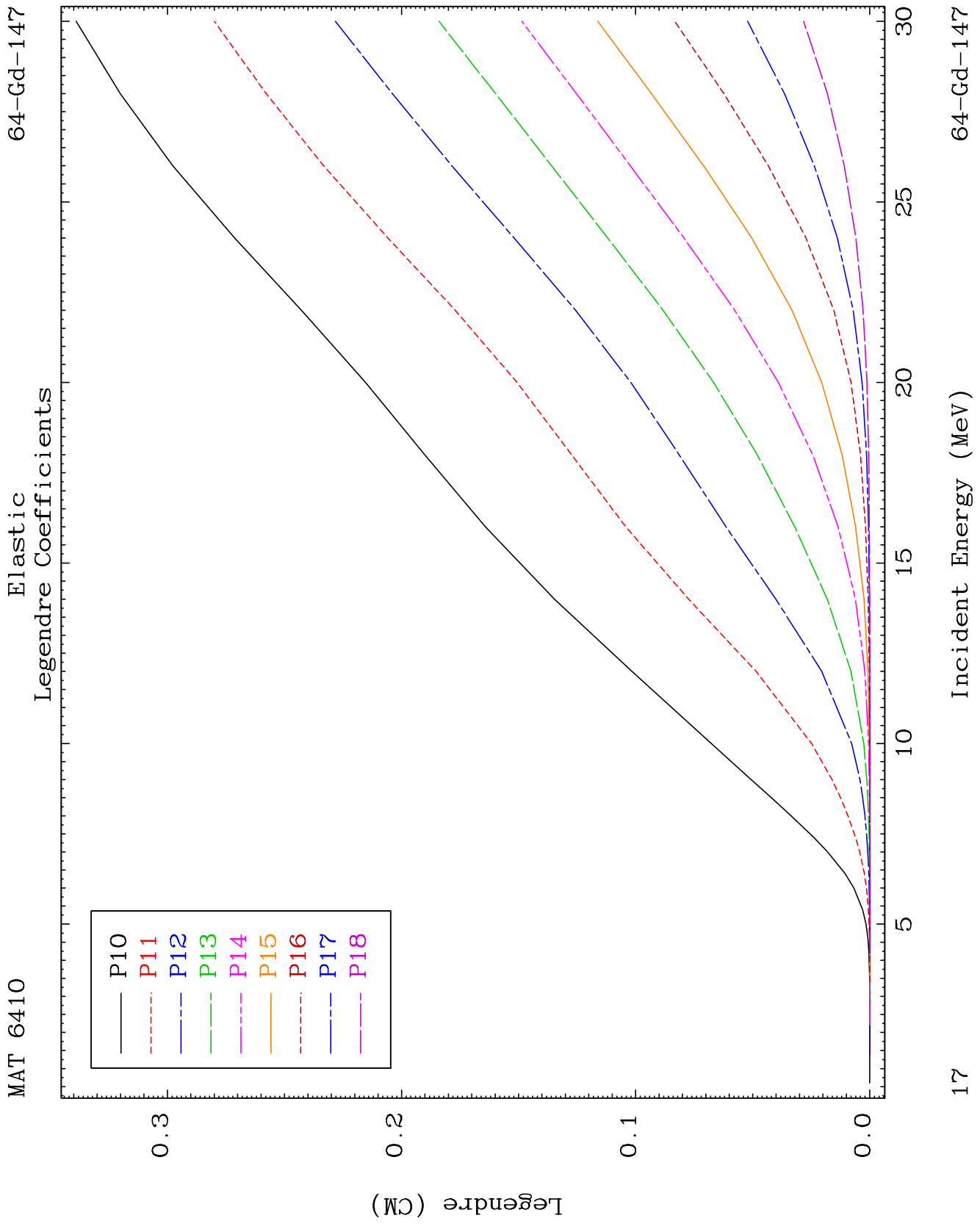
(n, α) Levels
293 Kelvin Cross Sections

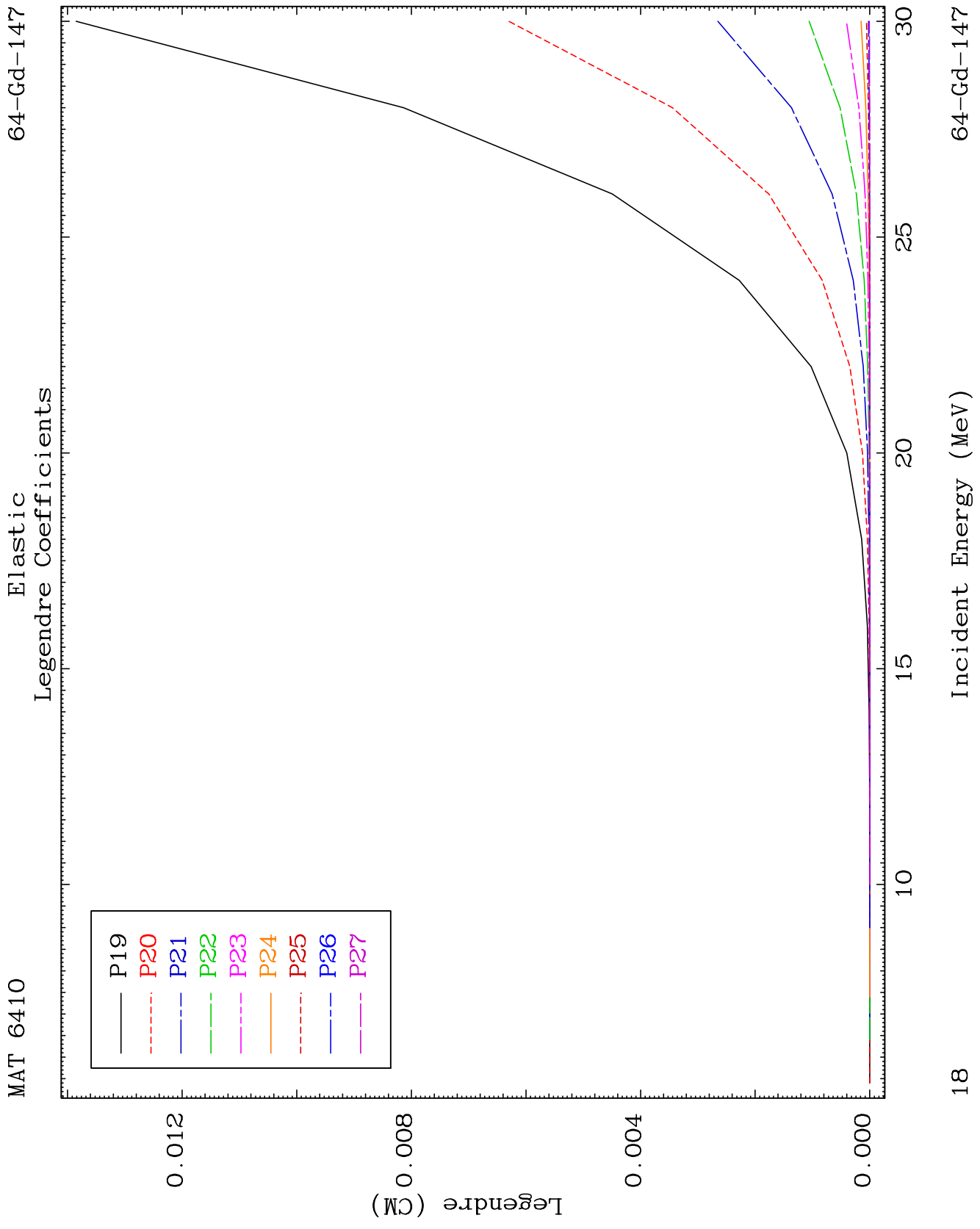
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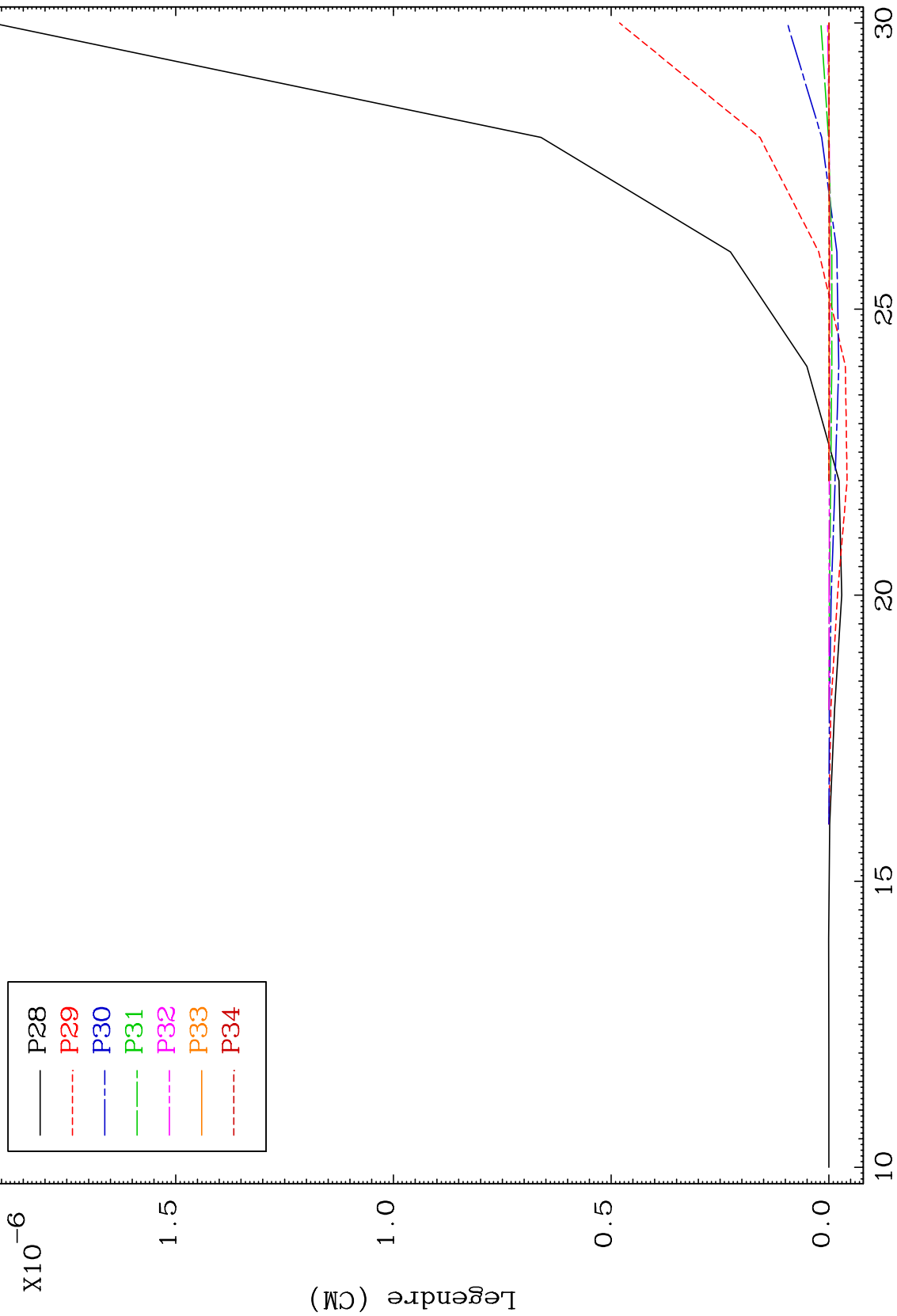
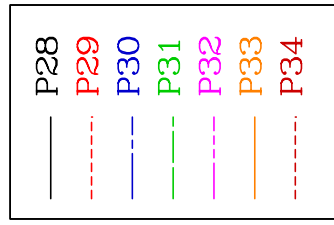




MAT 6410

Elastic
Legendre Coefficients

64-Gd-147



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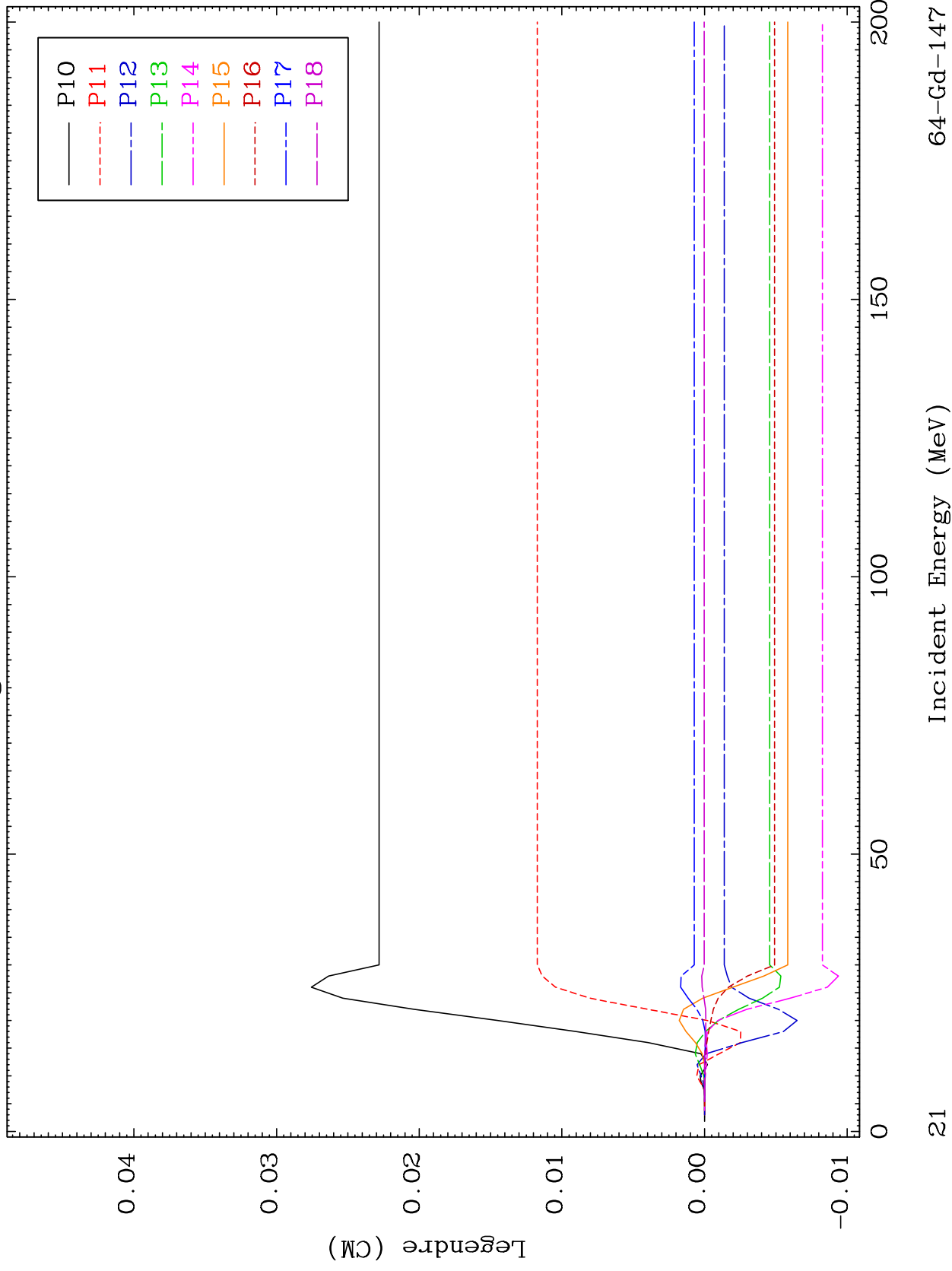
Incident Energy (MeV)

64-Gd-147

MAT 6410

997.1 keV (n,n') Level
Legendre Coefficients

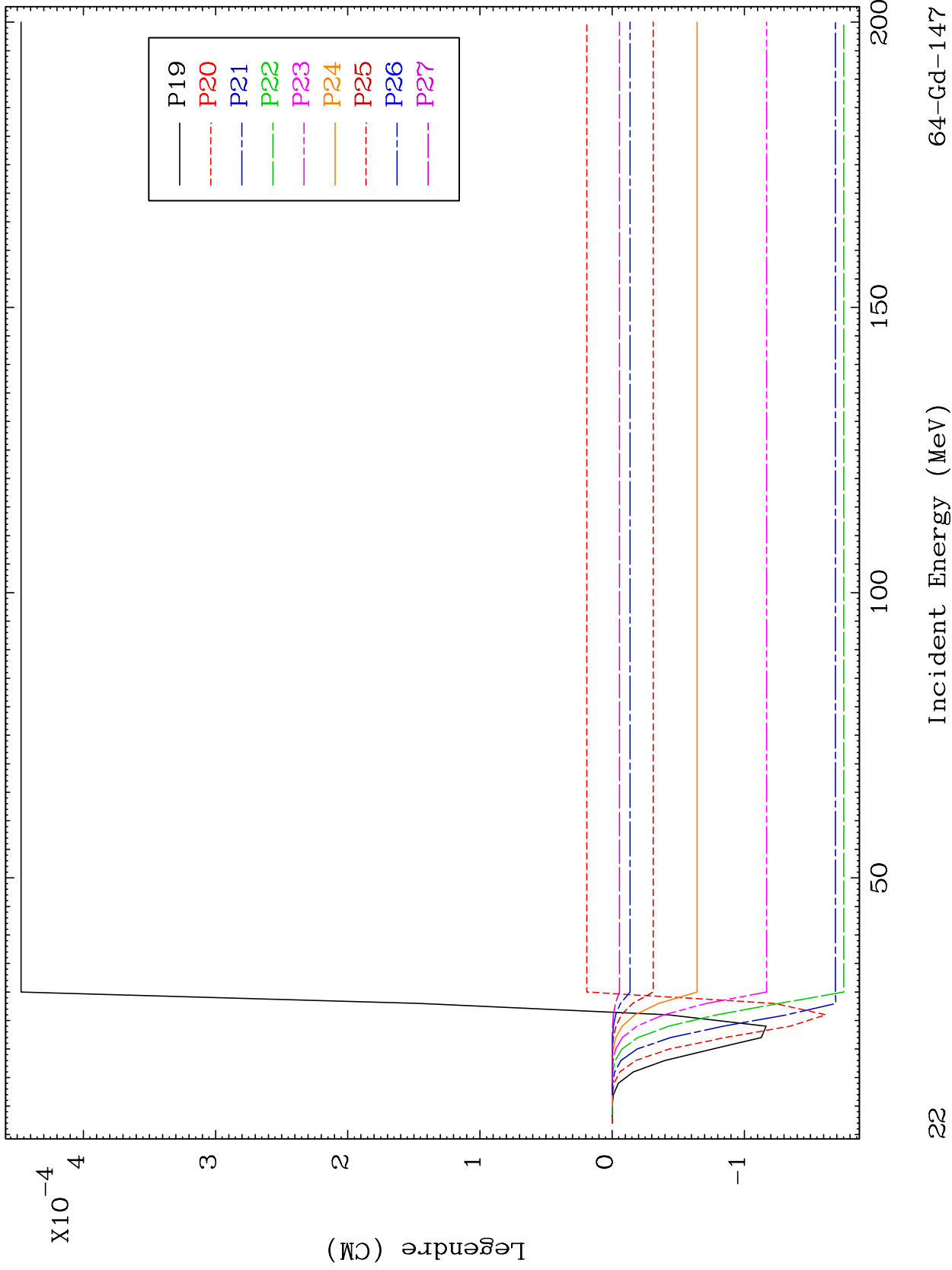
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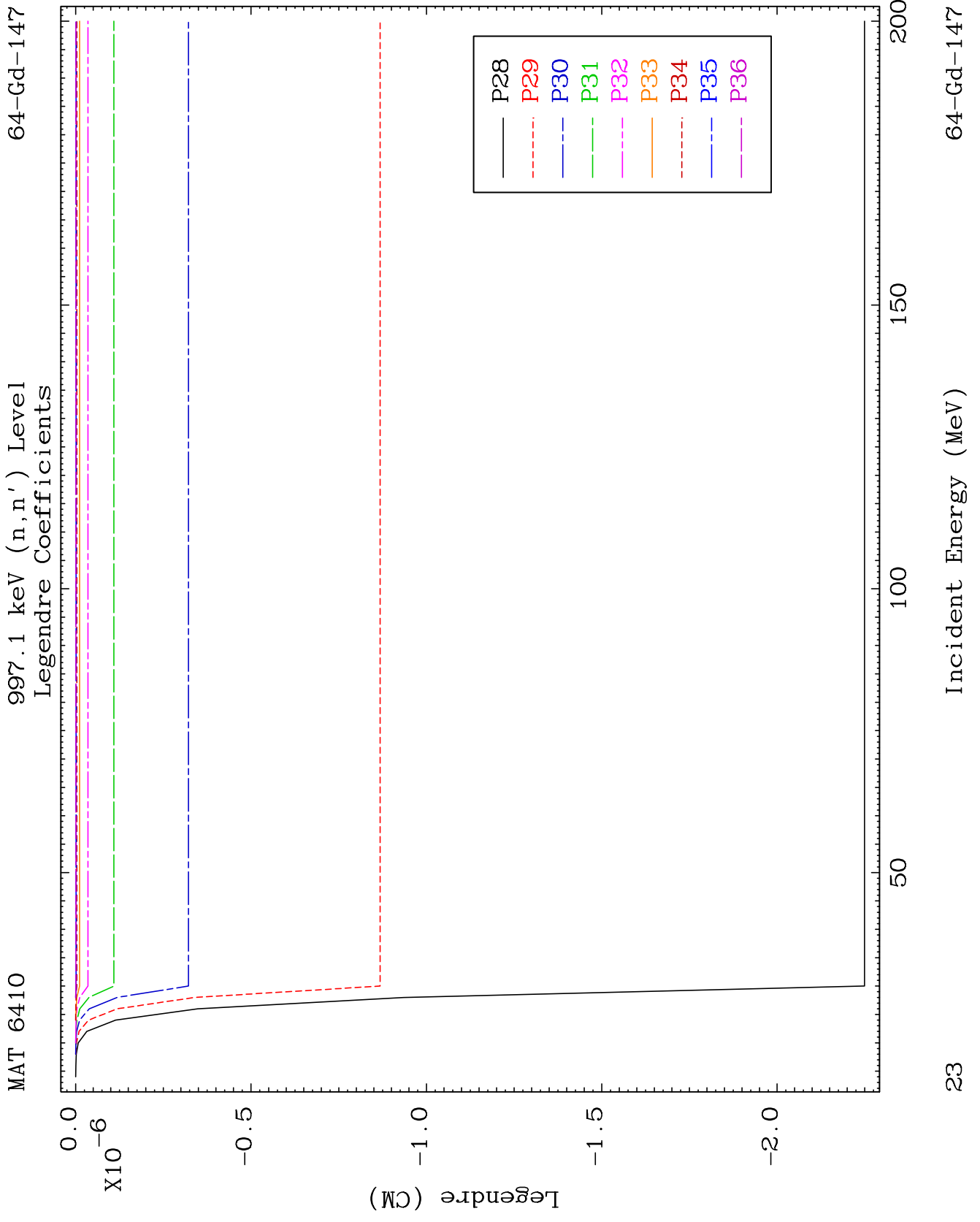


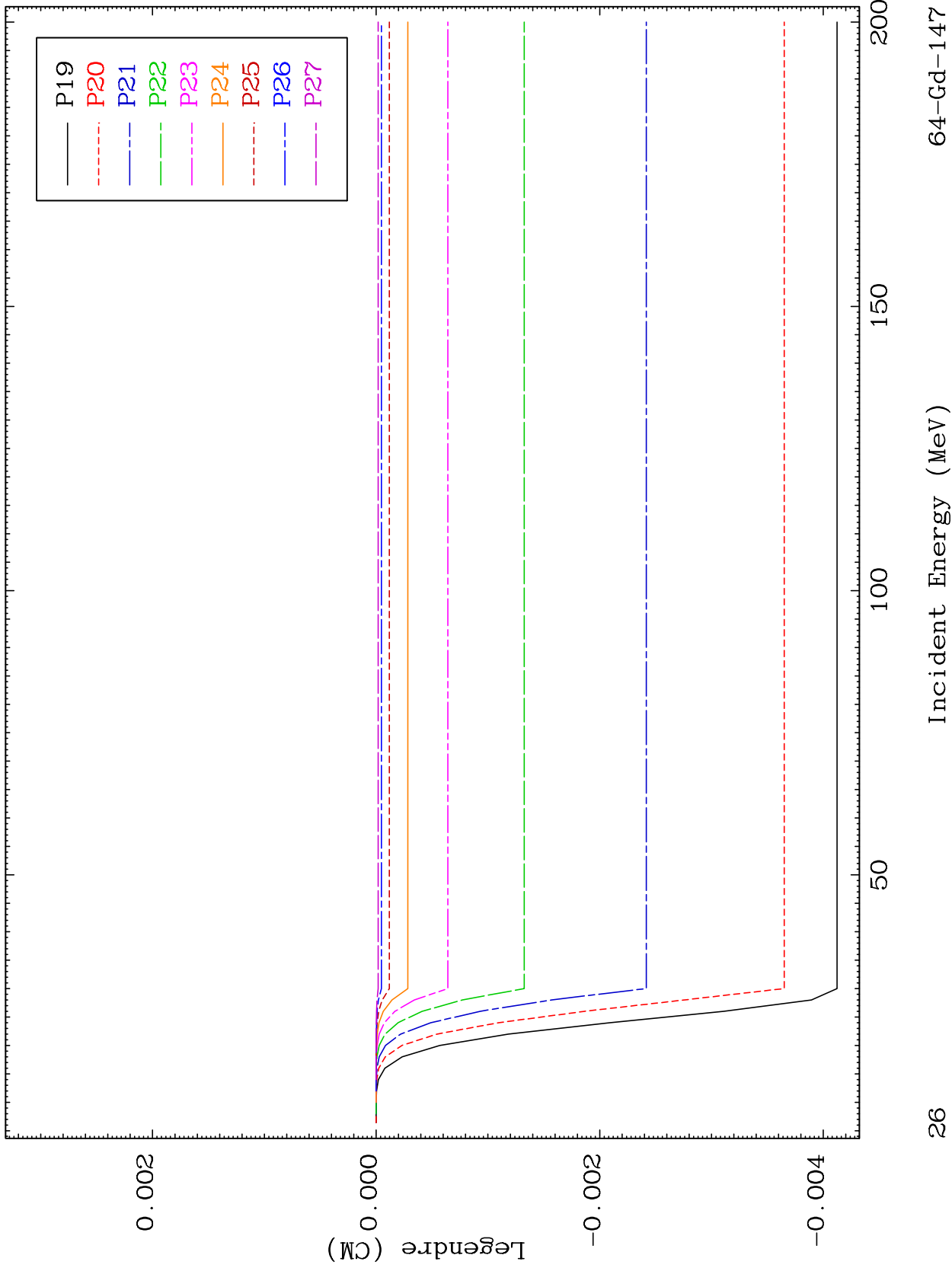
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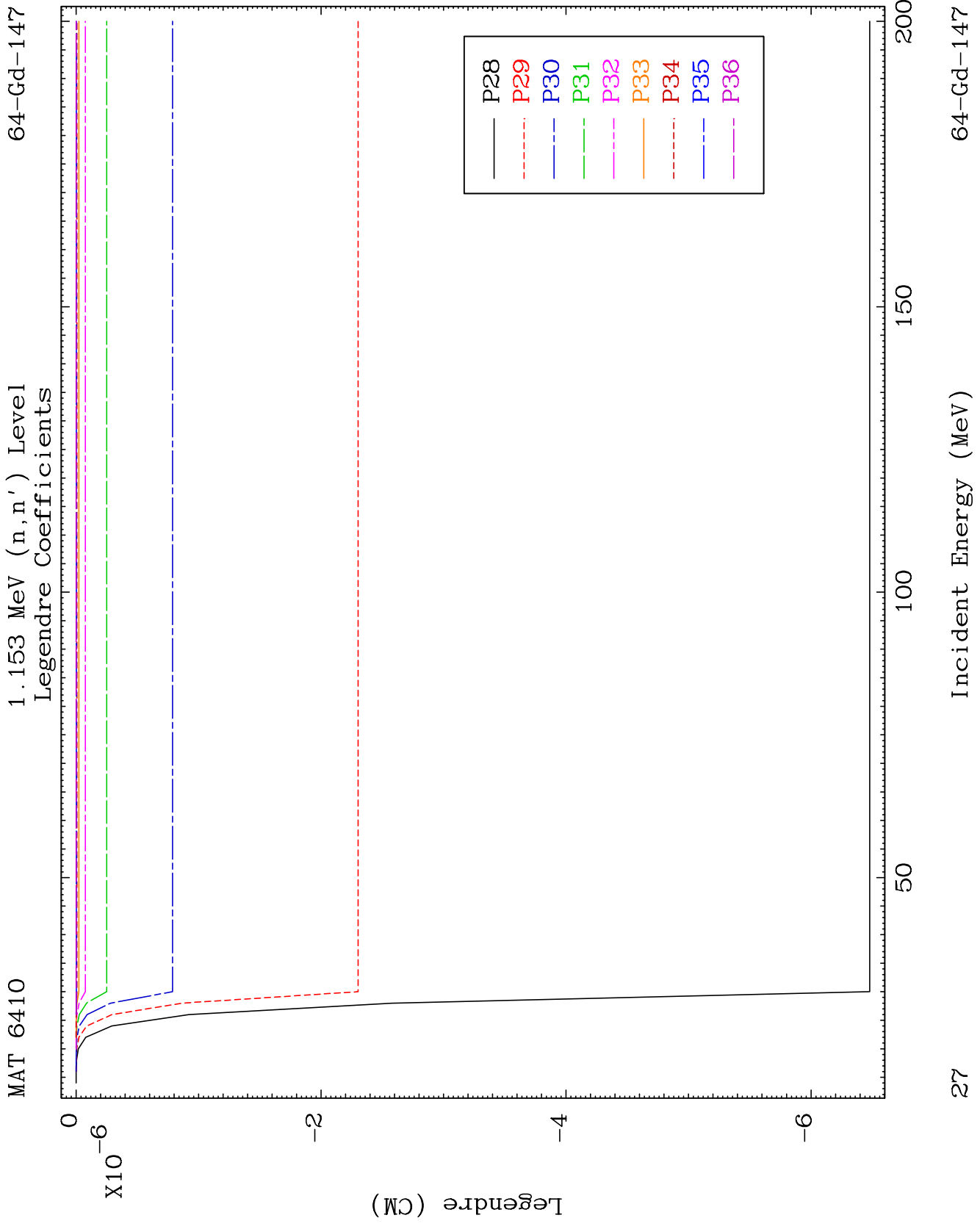
Incident Energy (MeV)

21





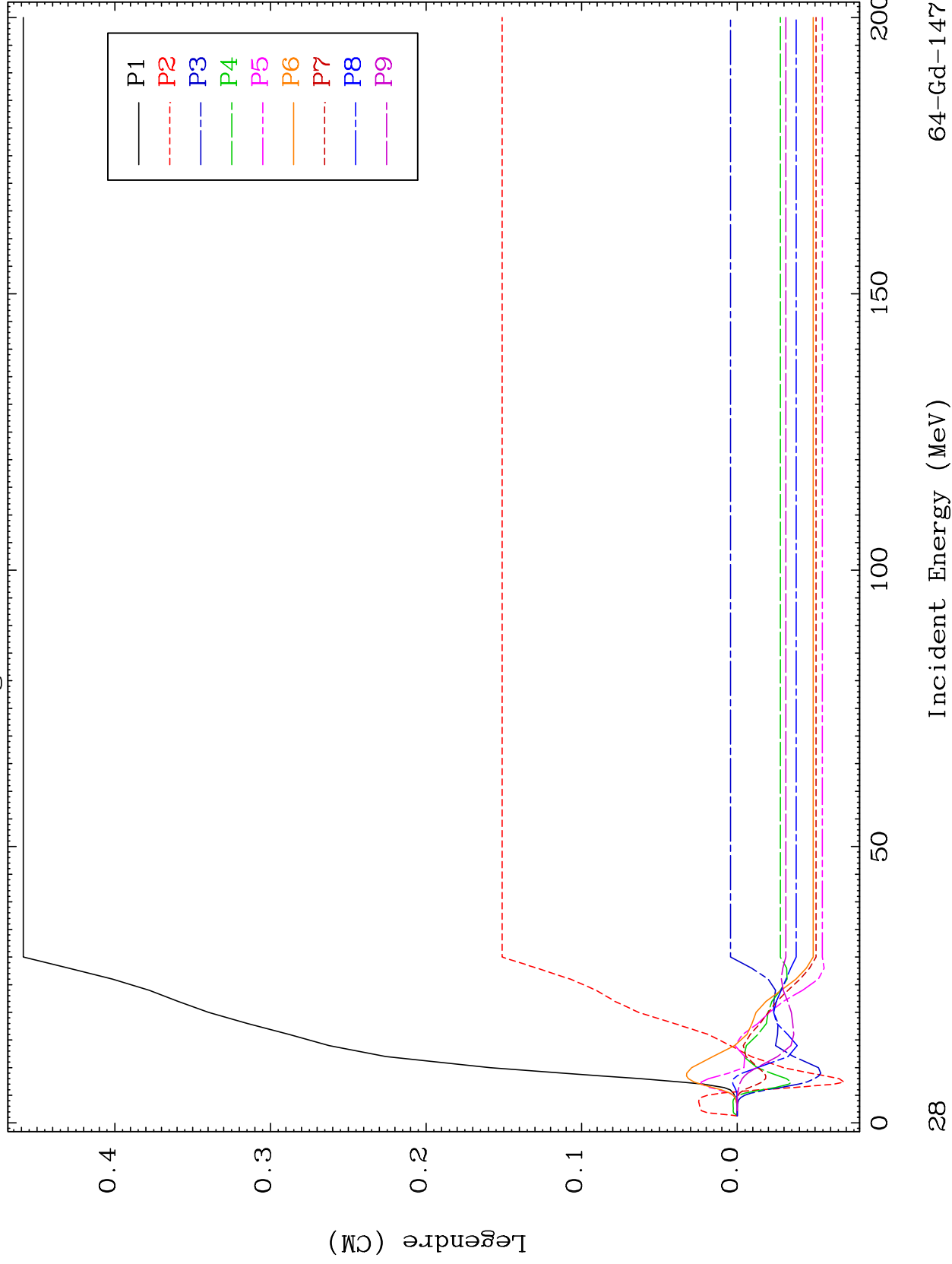




MAT 6410

1.236 MeV (n,n') Level
Legendre Coefficients

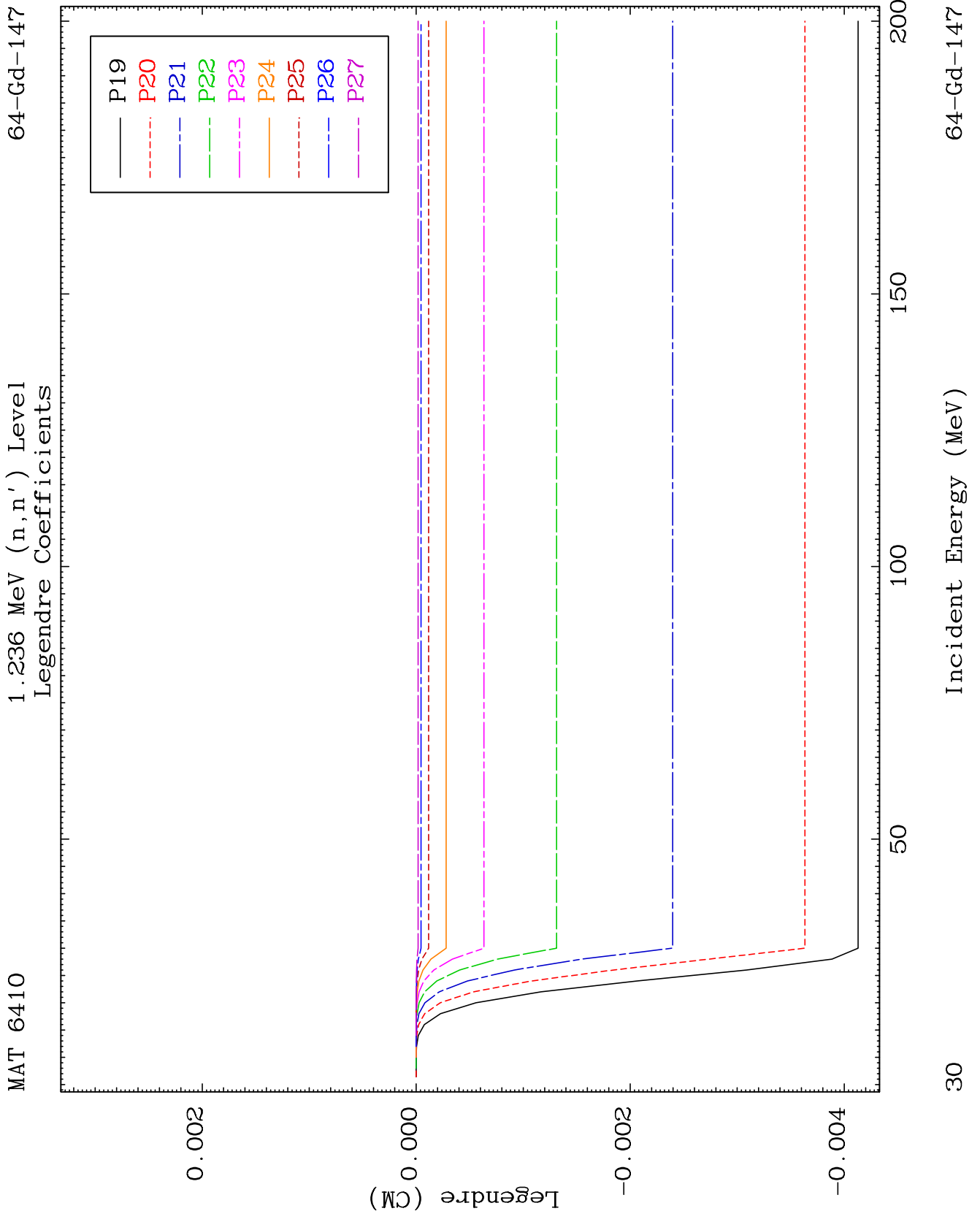
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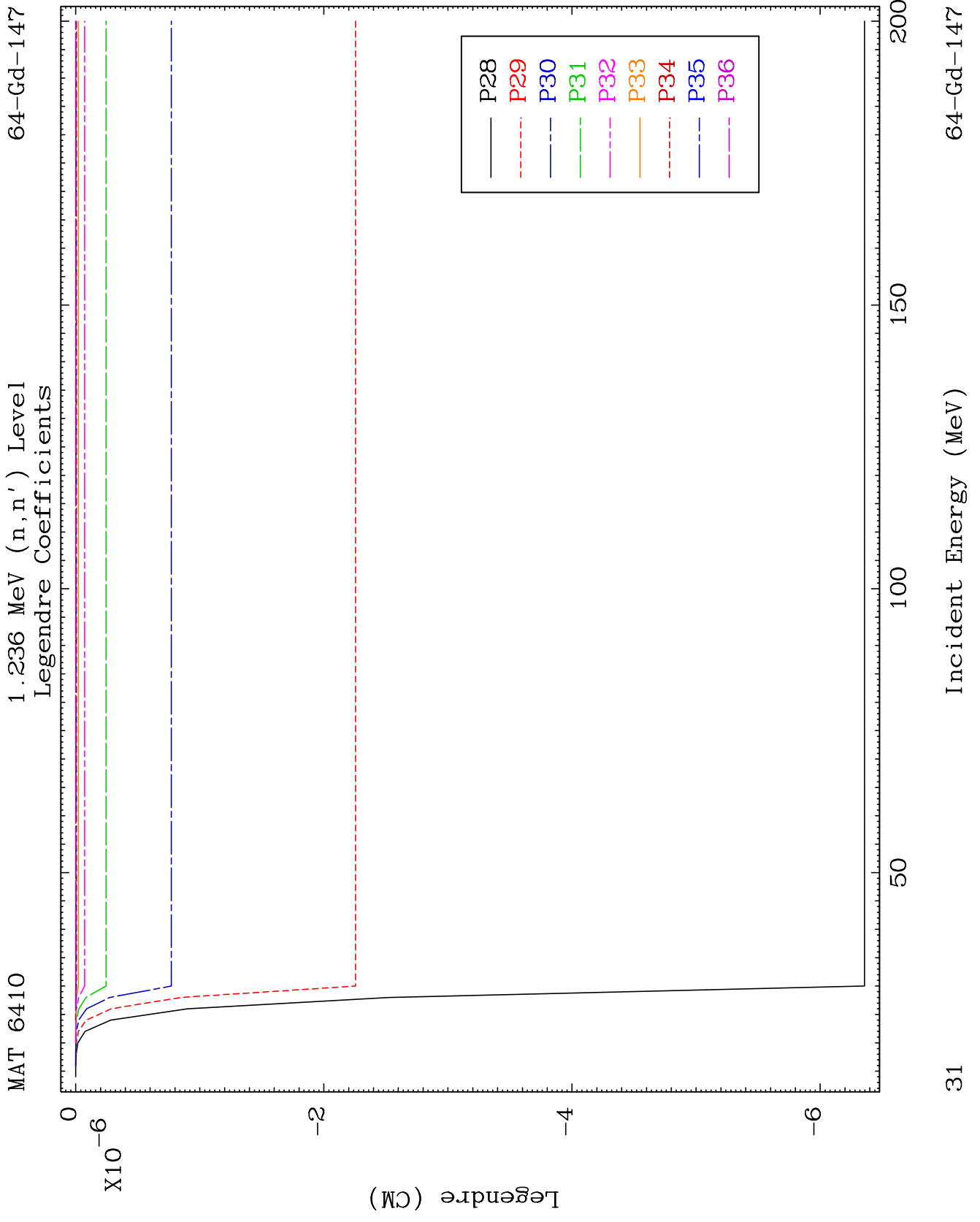


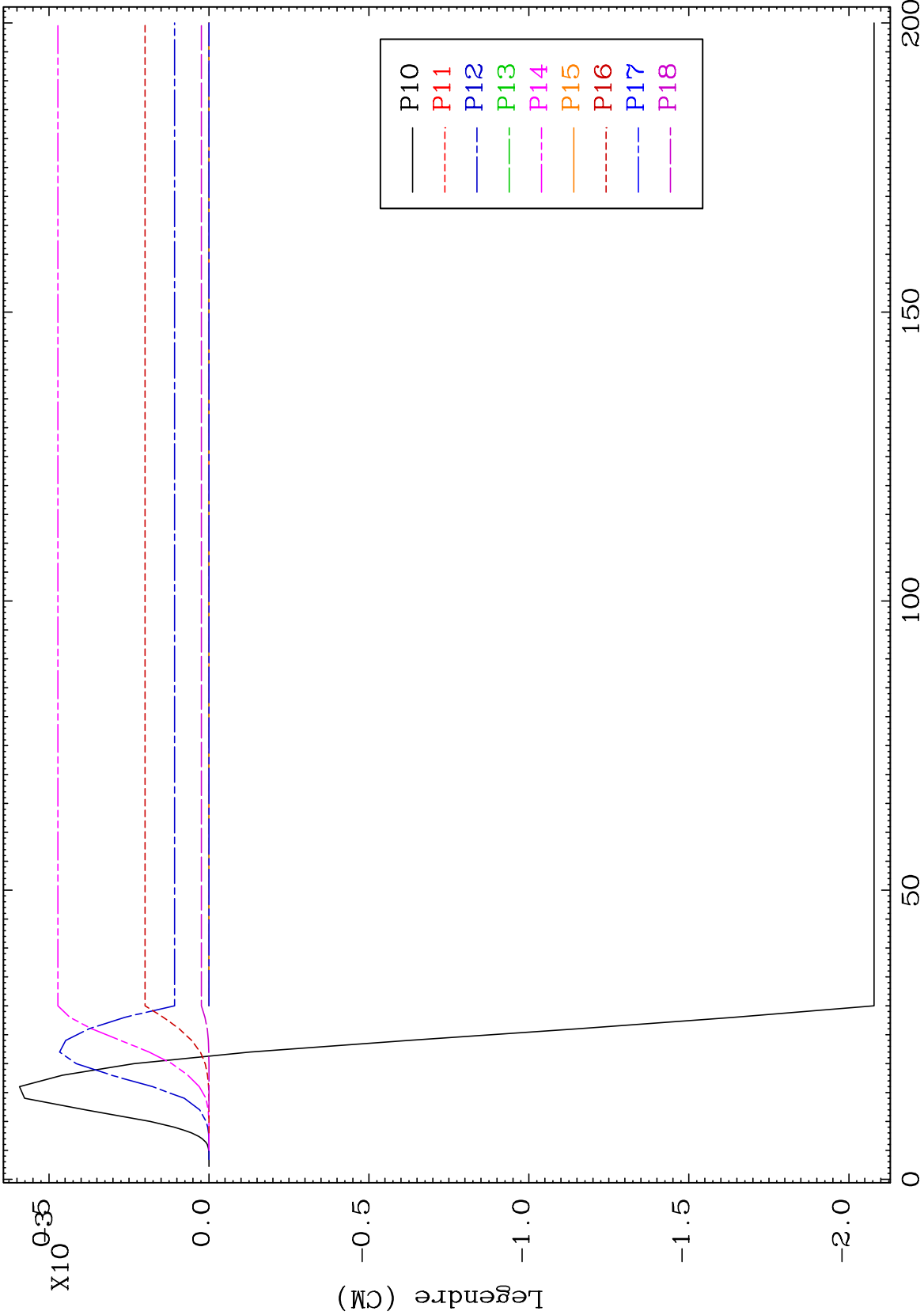
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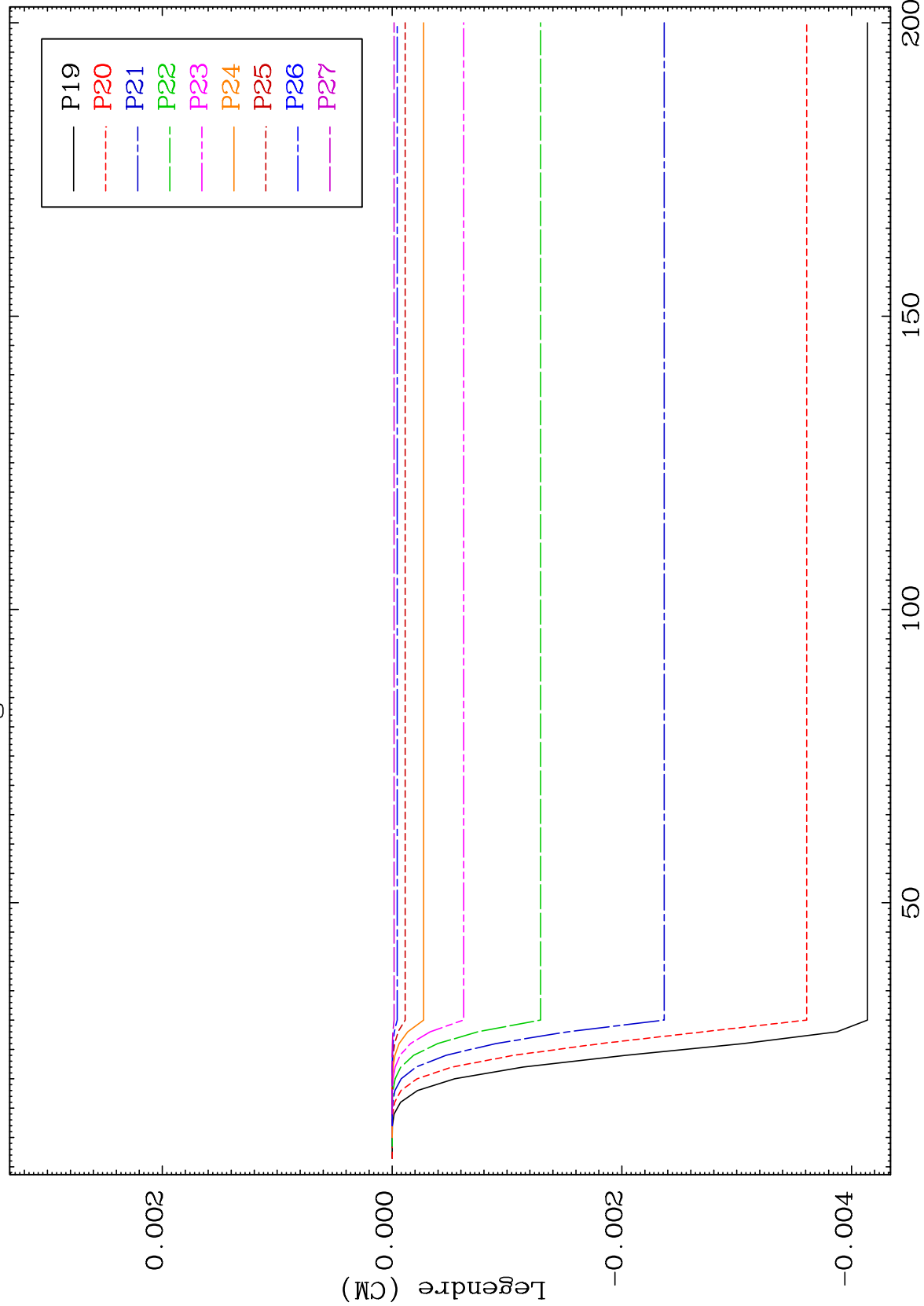
Incident Energy (MeV)

64-Gd-147





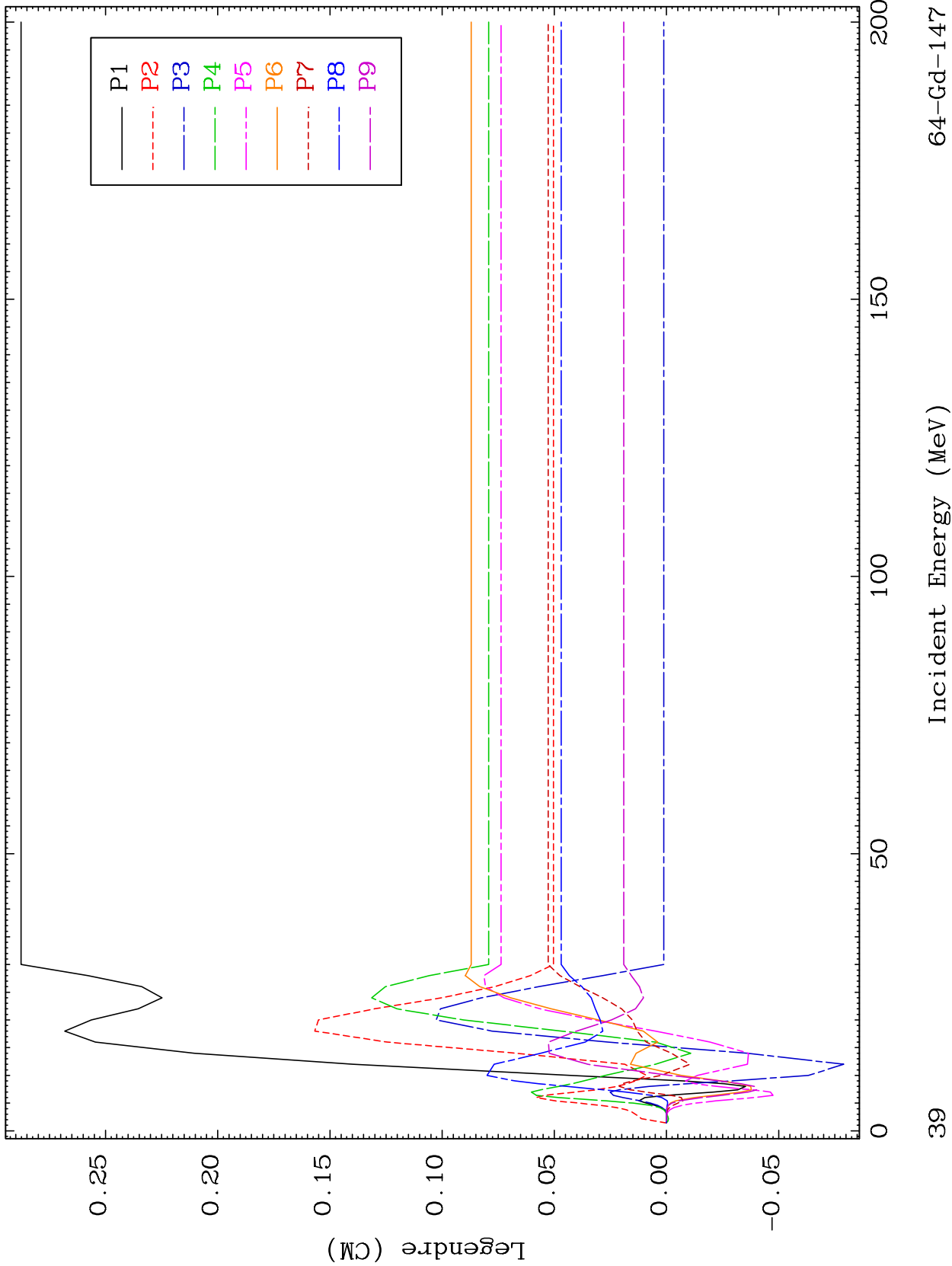




MAT 6410

1.397 MeV (n,n') Level
Legendre Coefficients

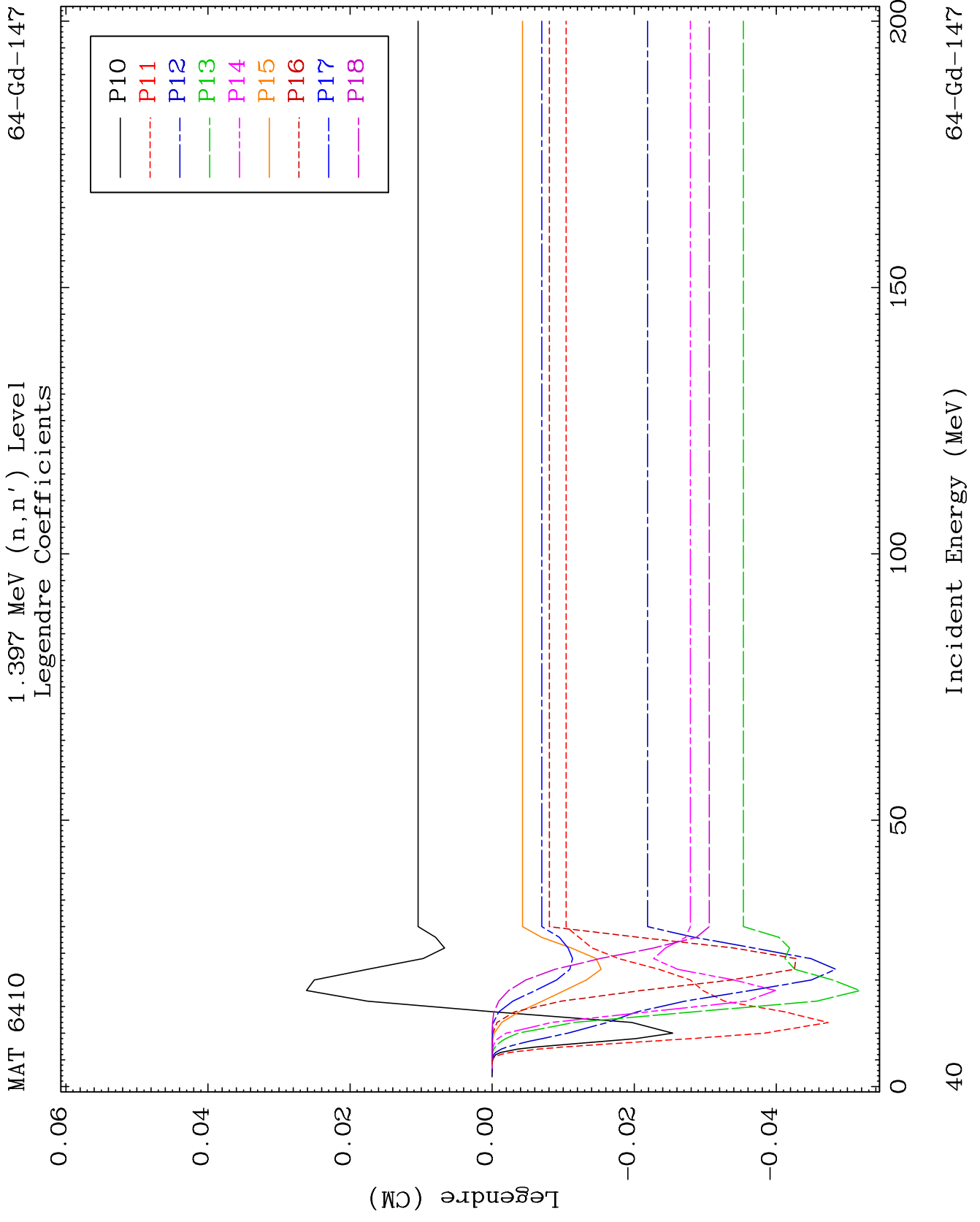
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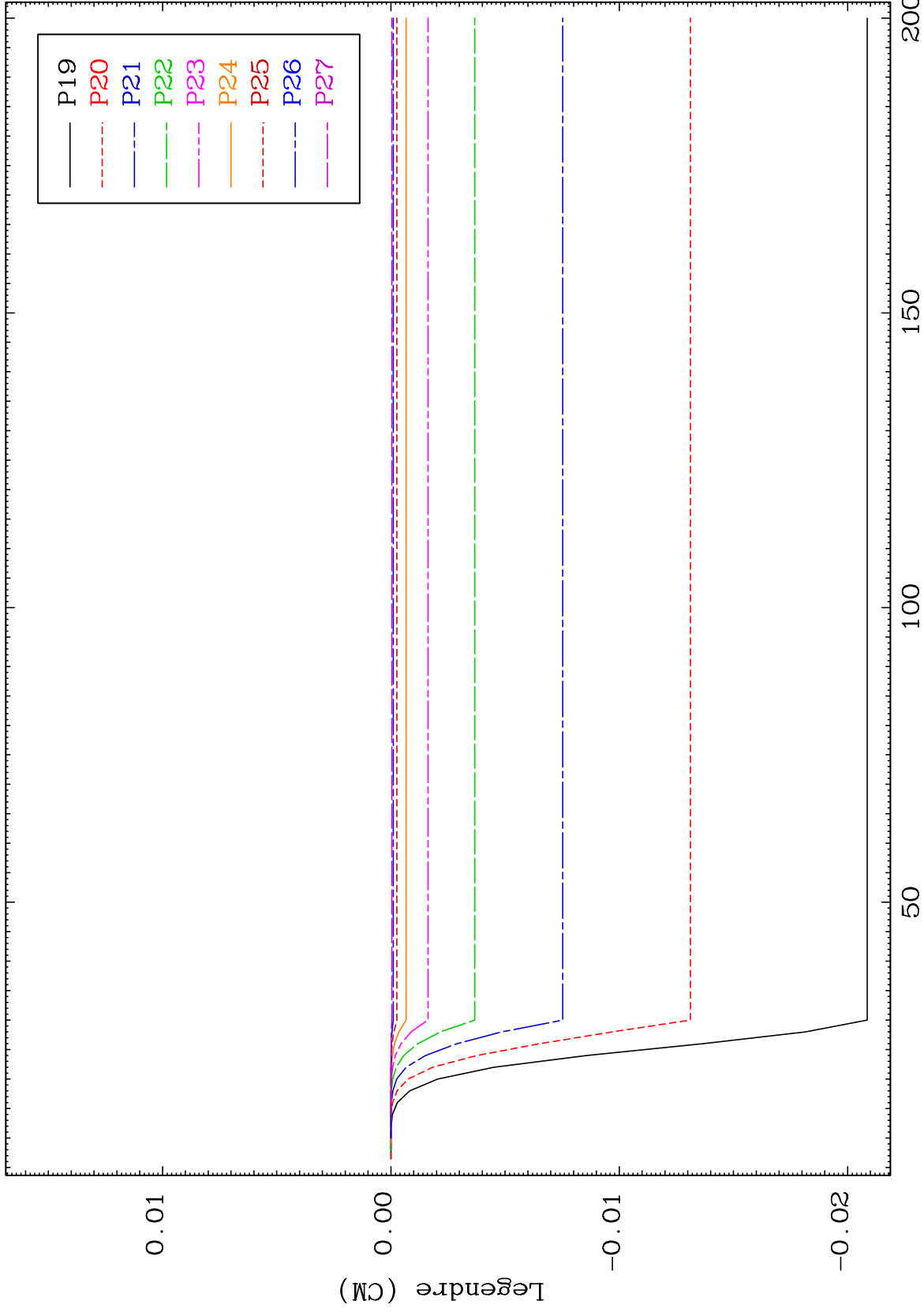


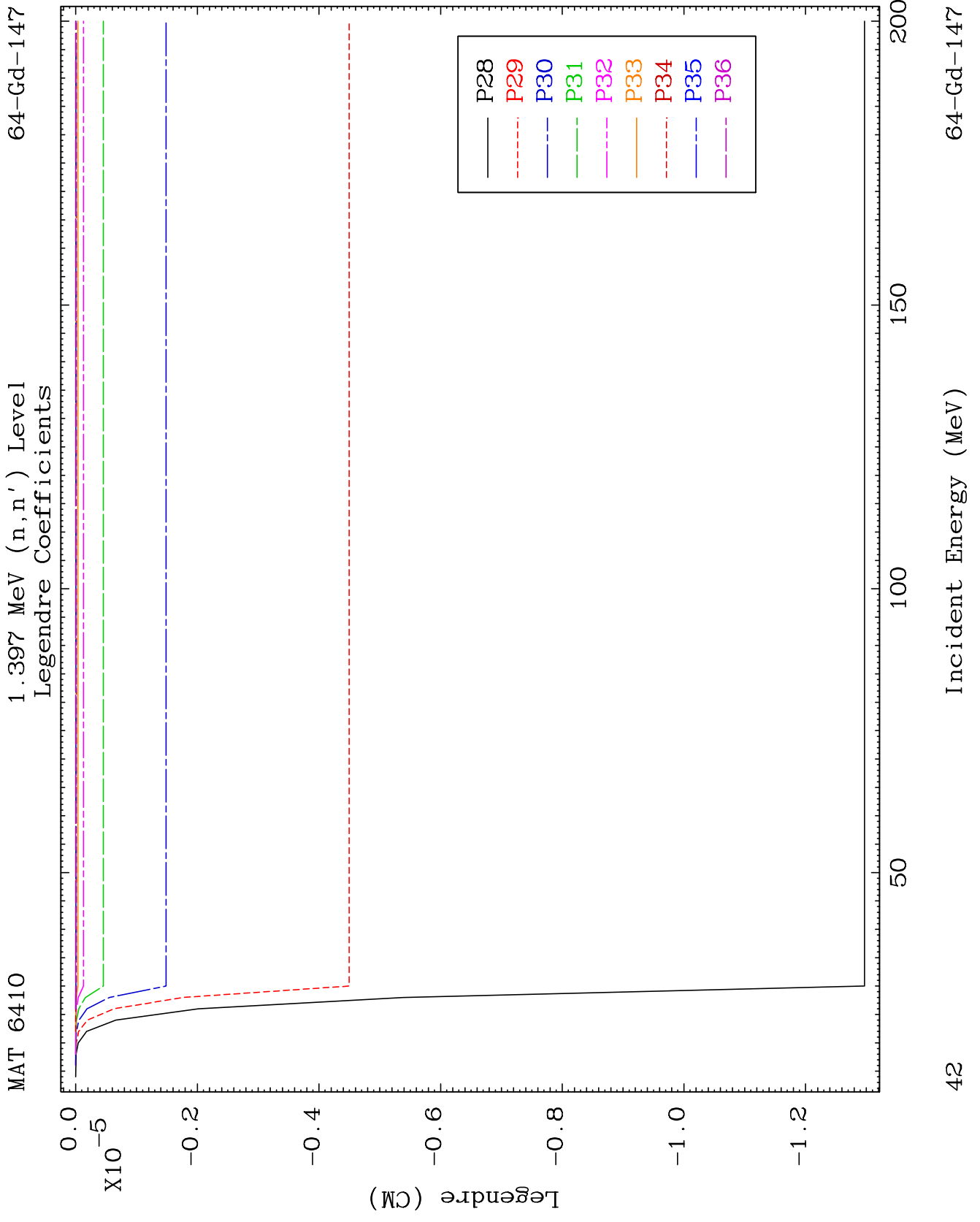
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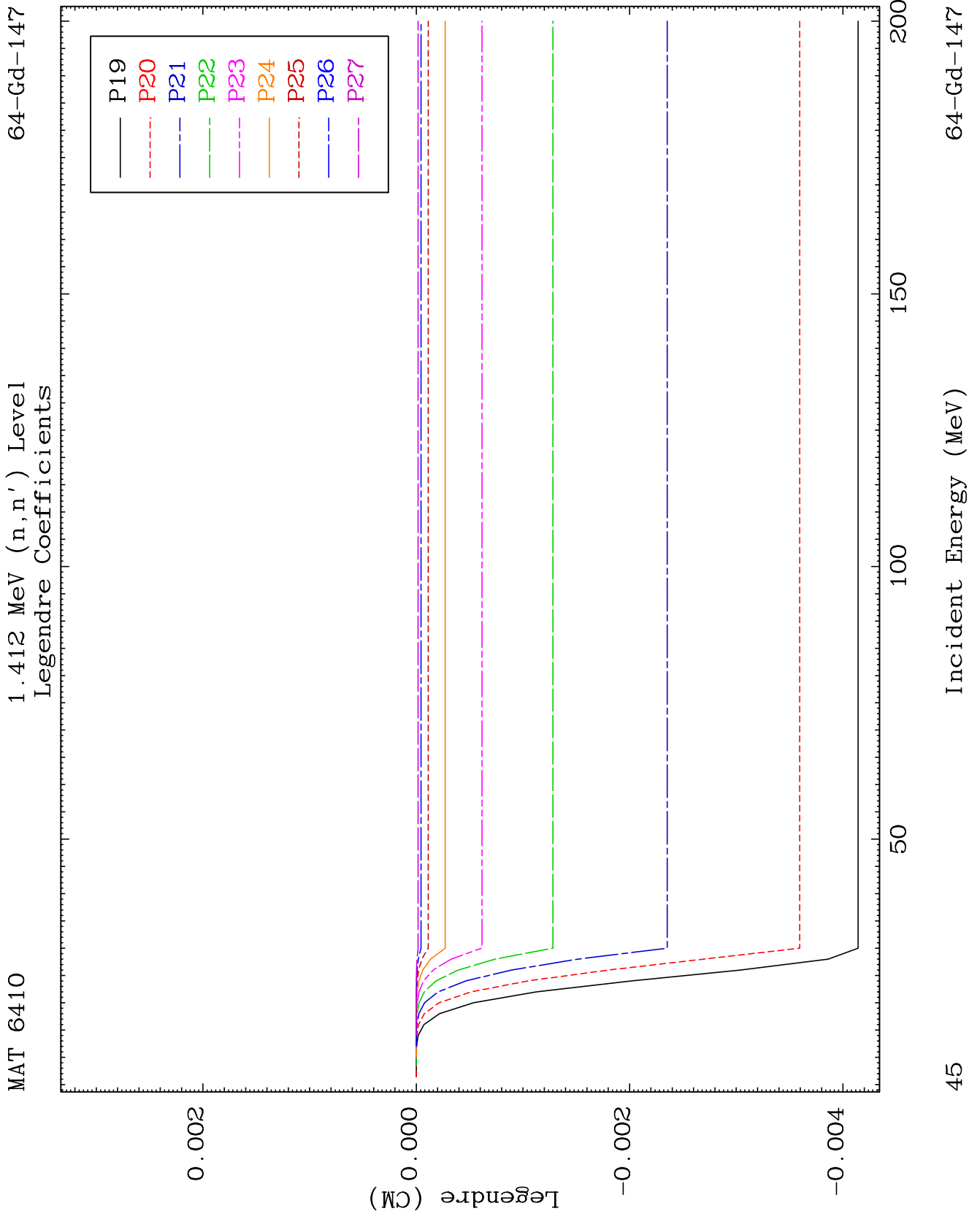
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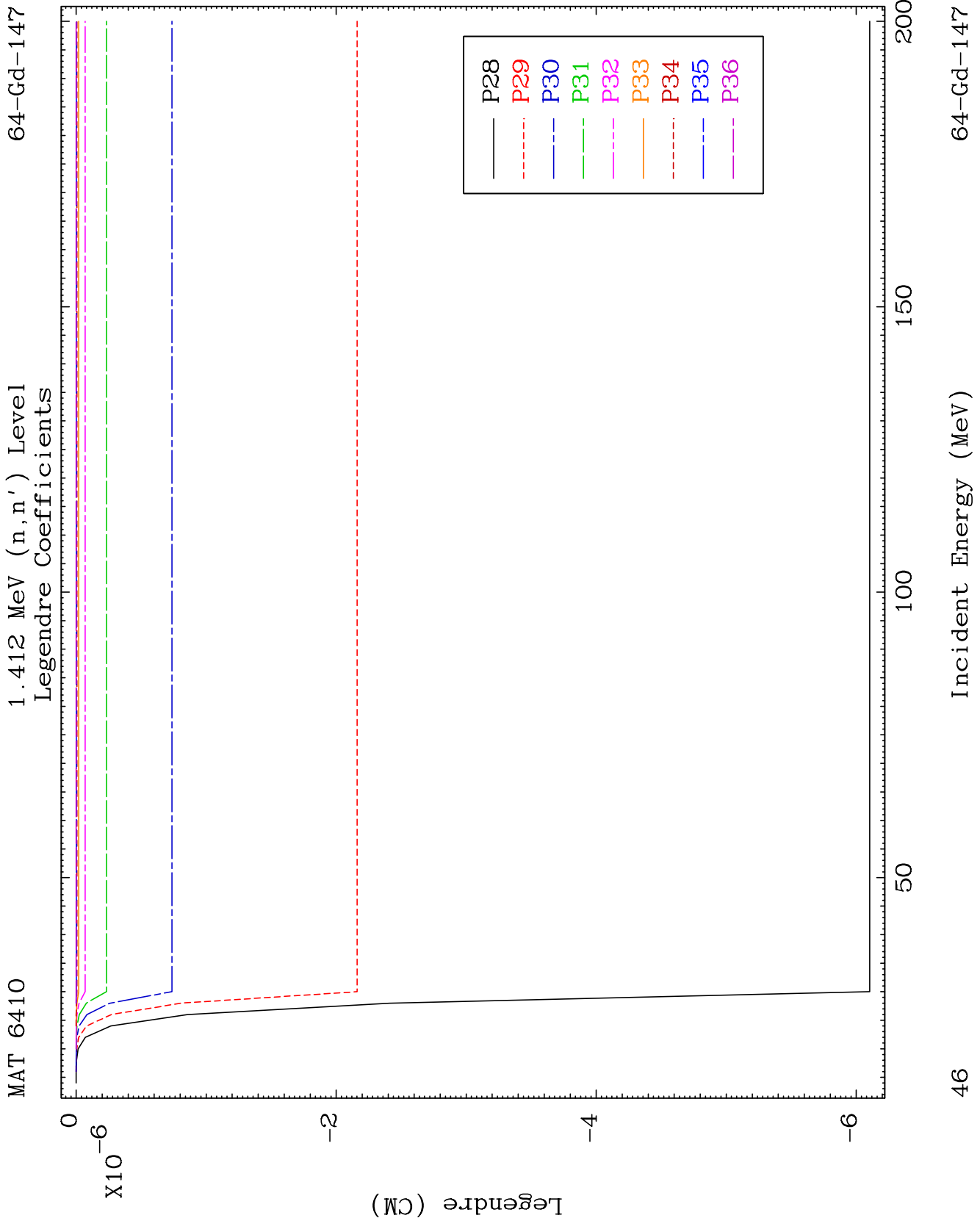
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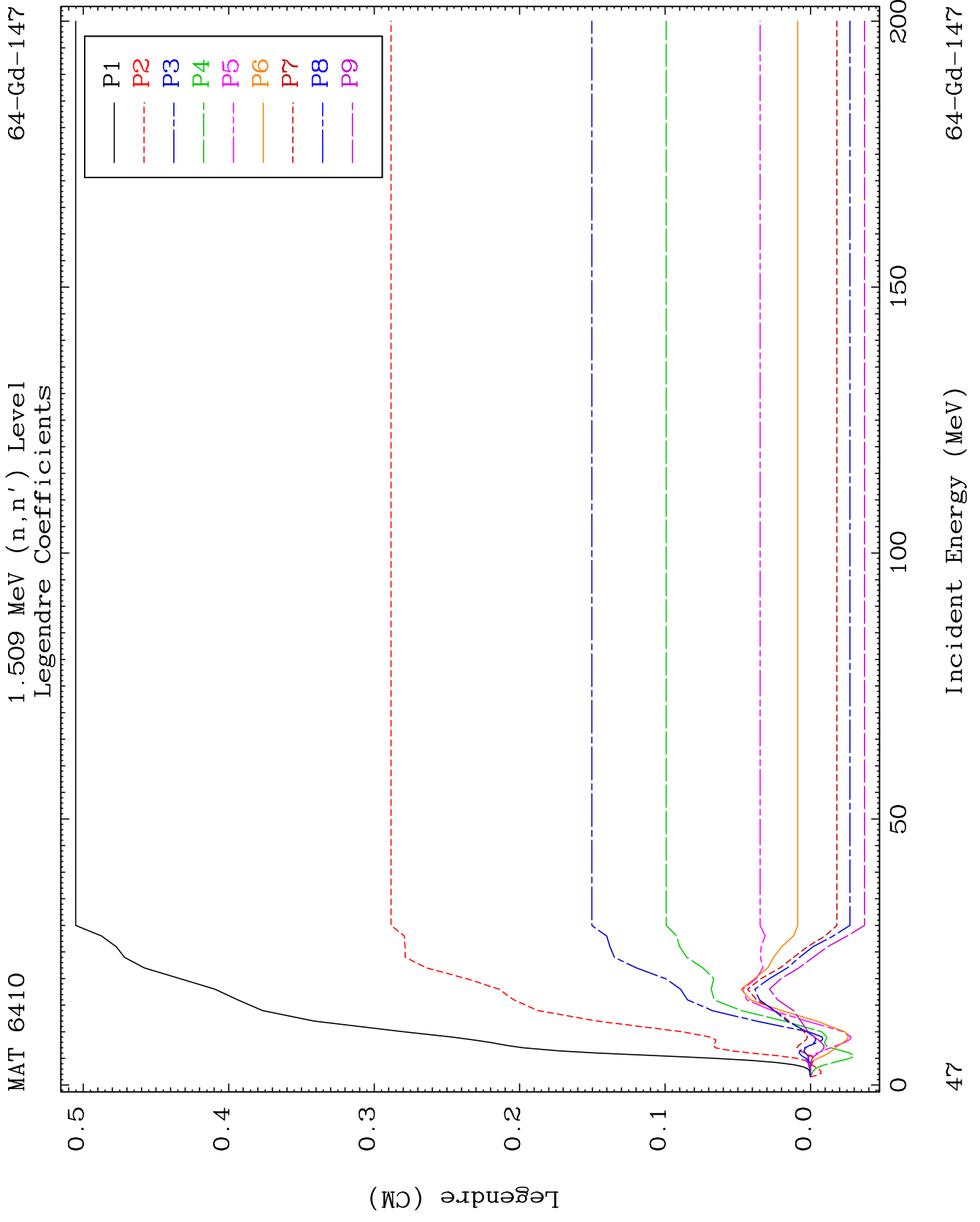


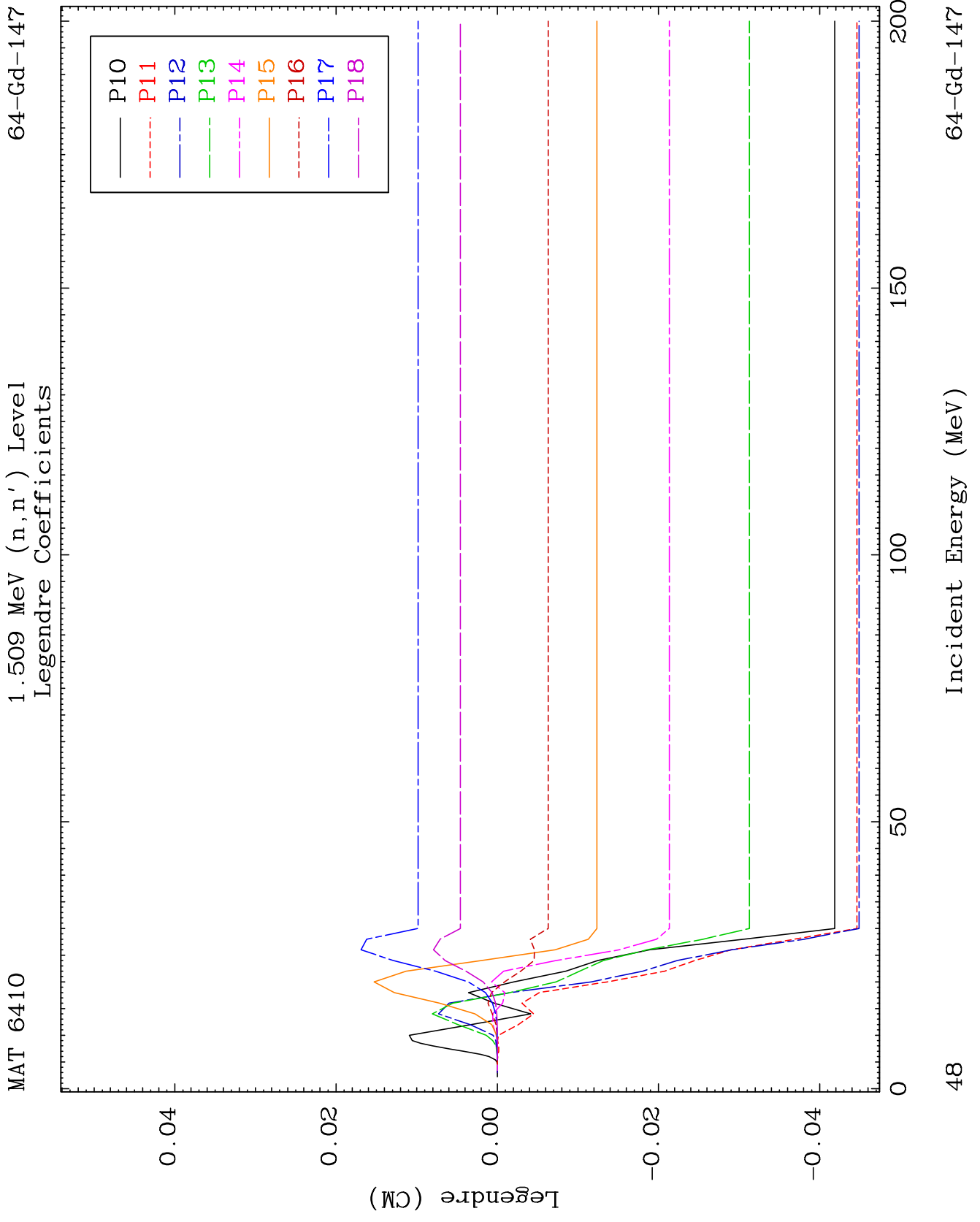


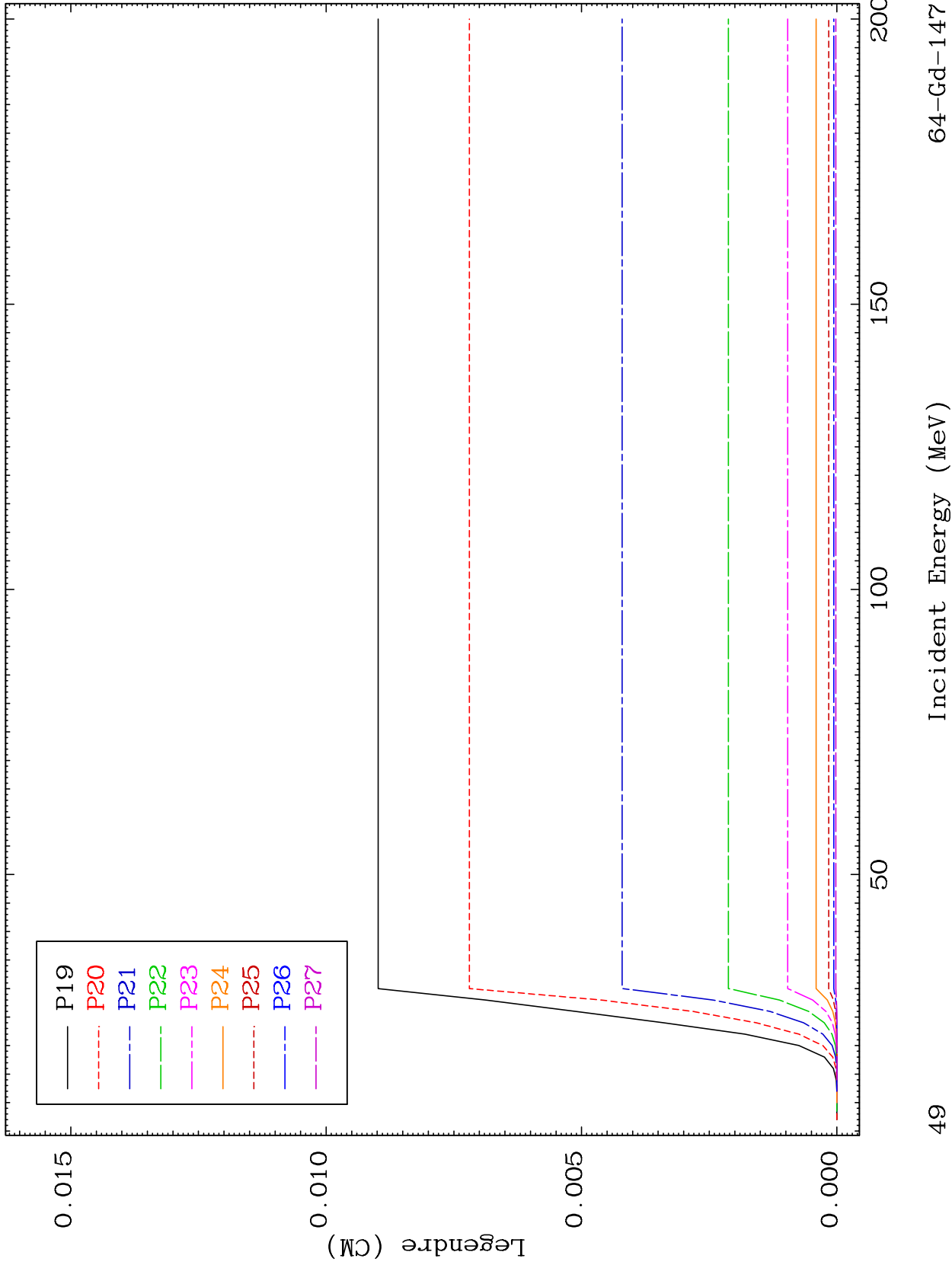


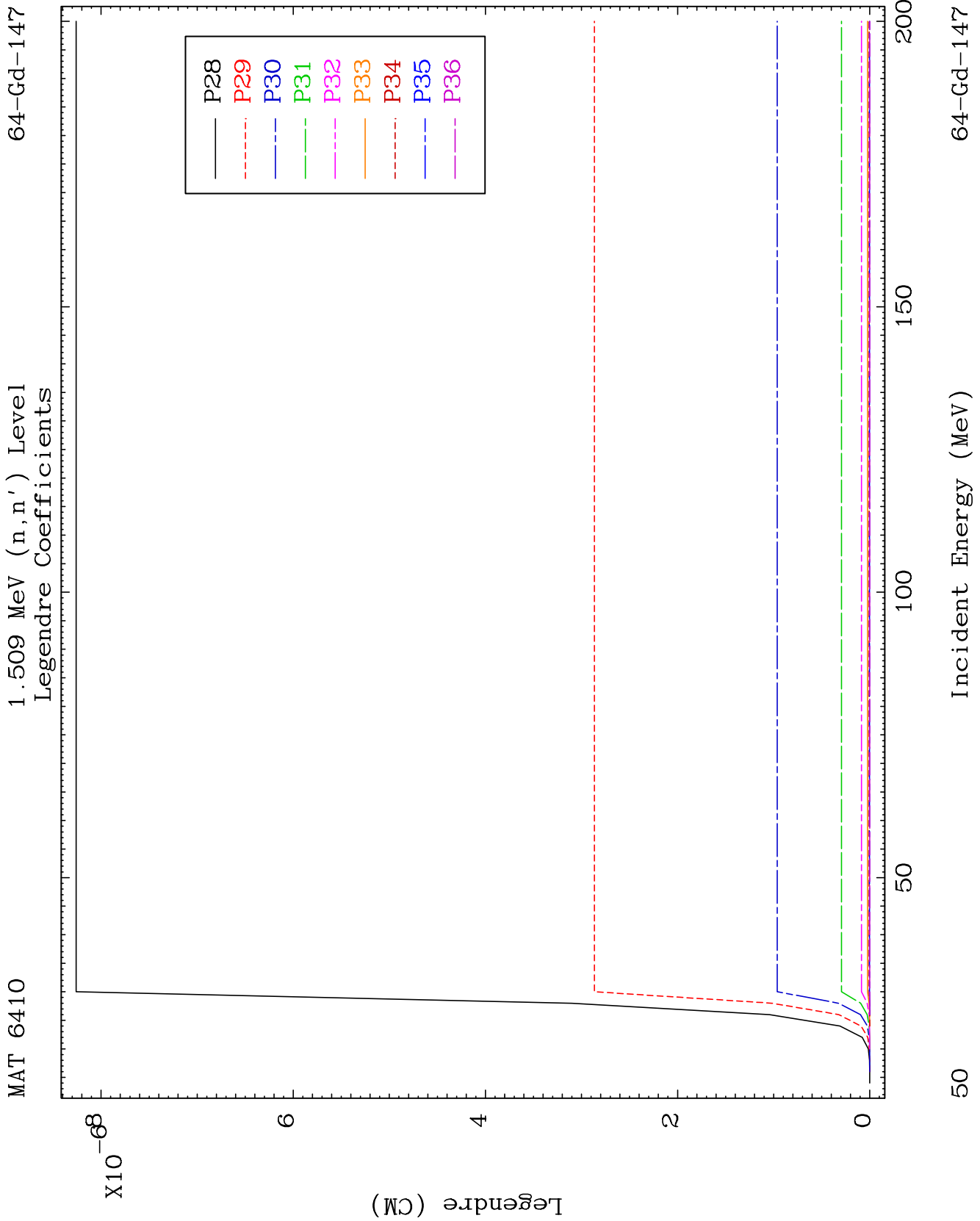


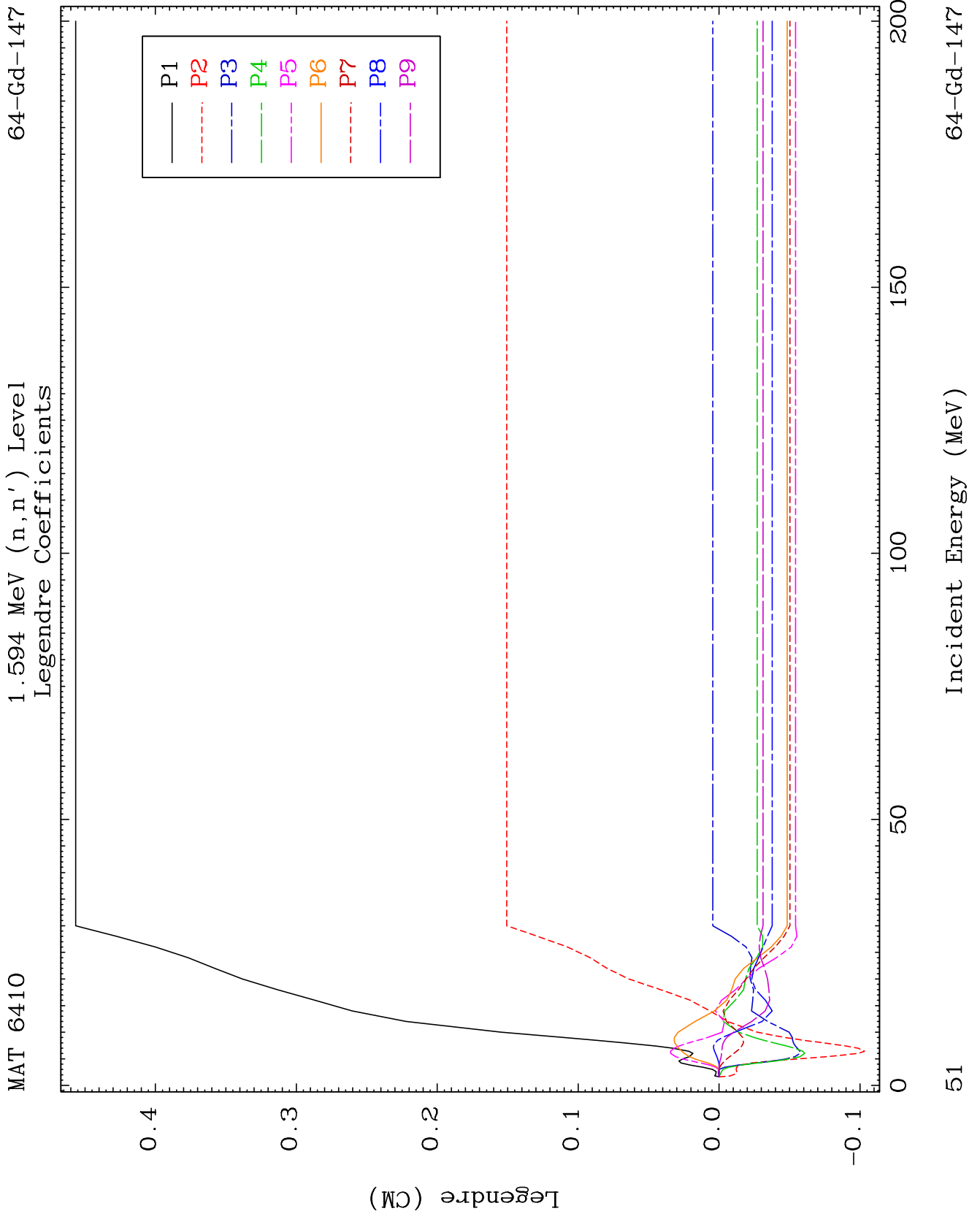


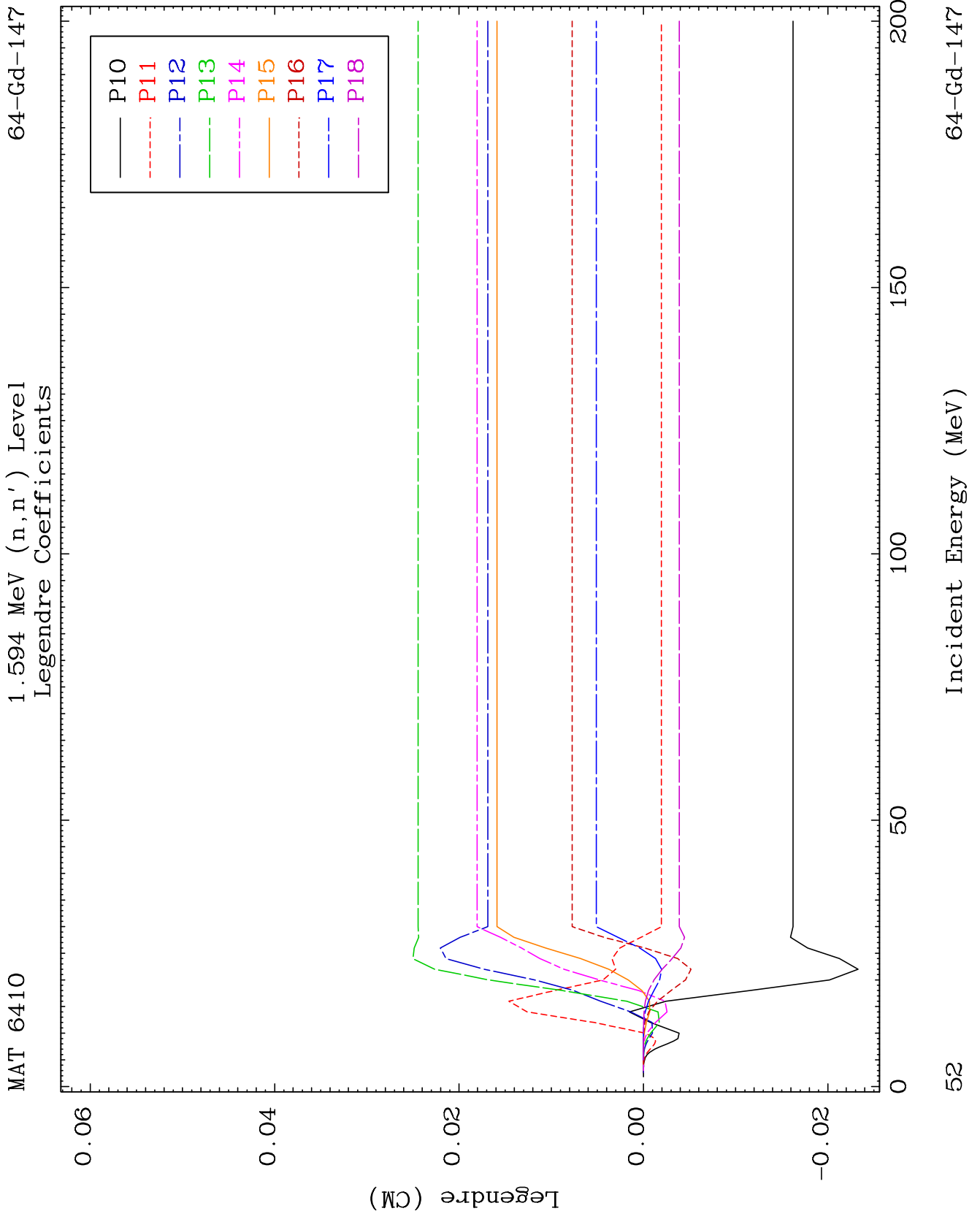


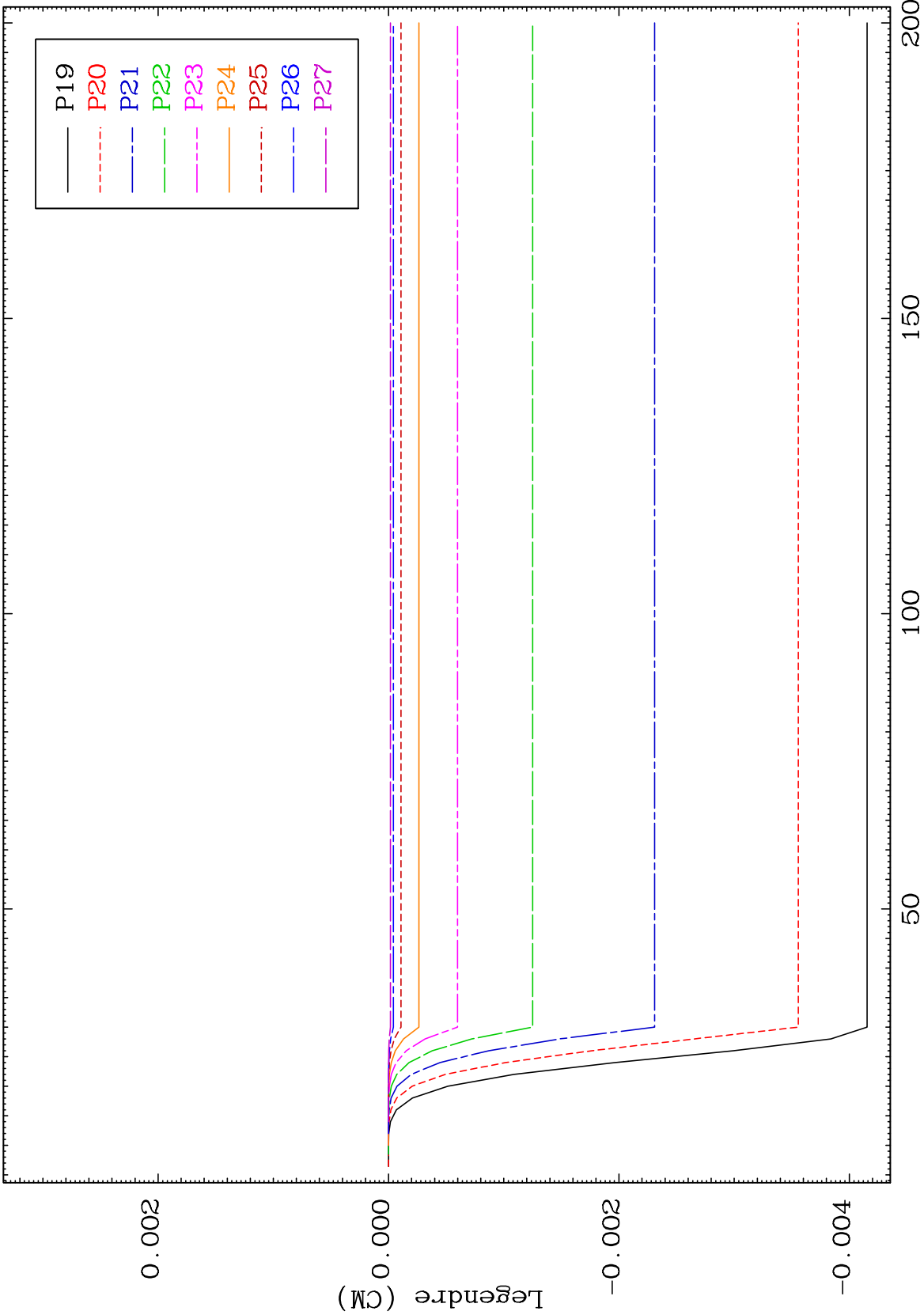


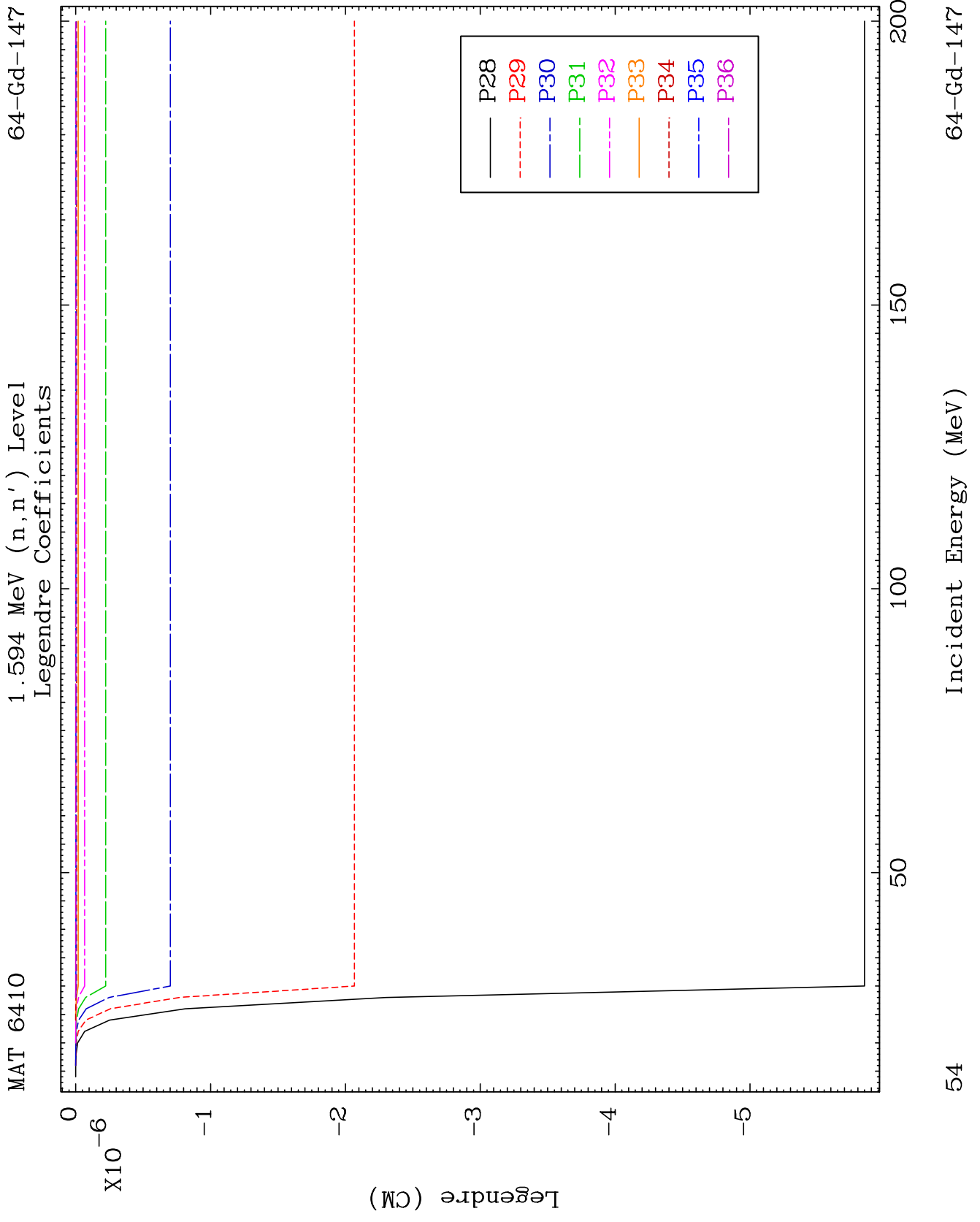


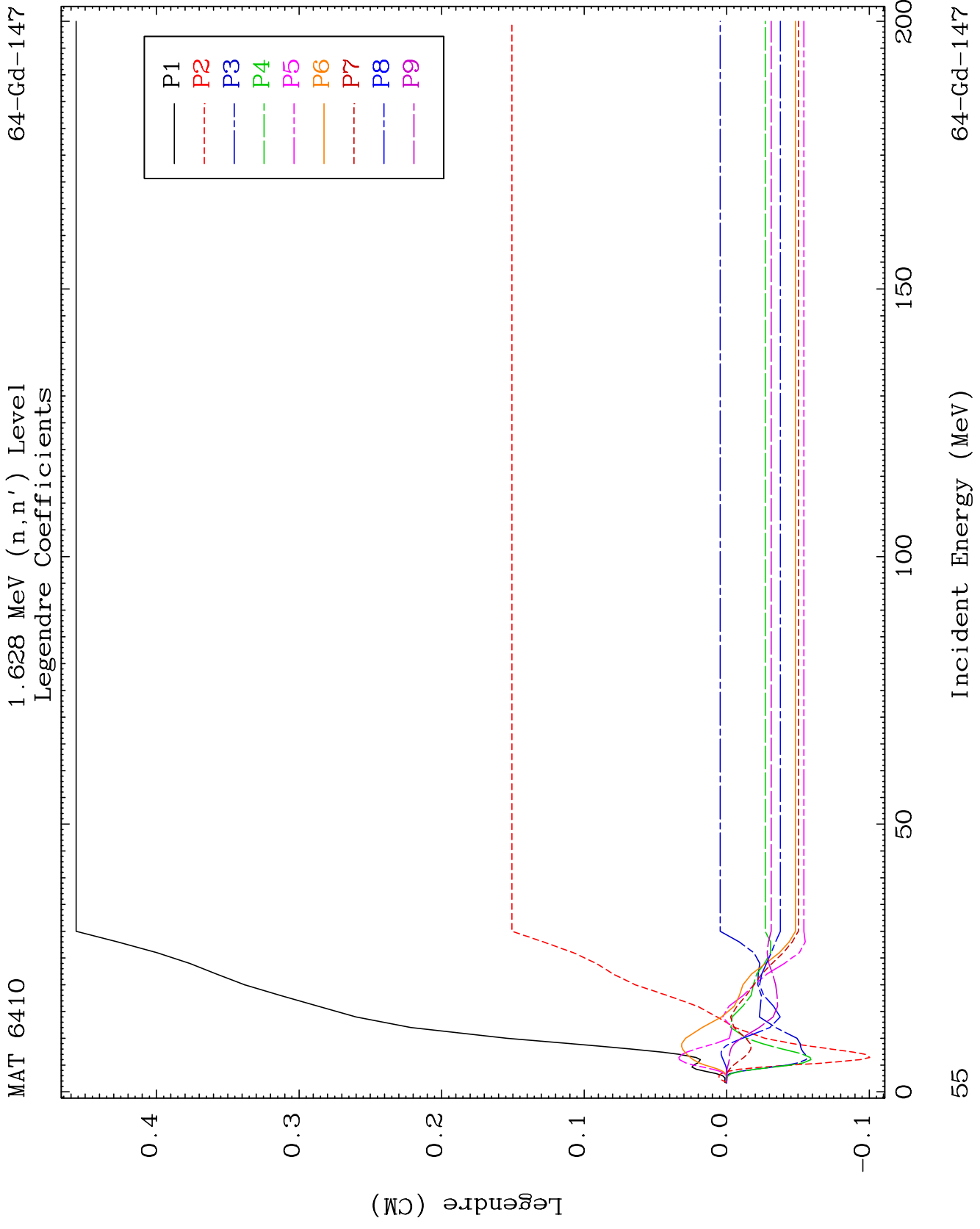


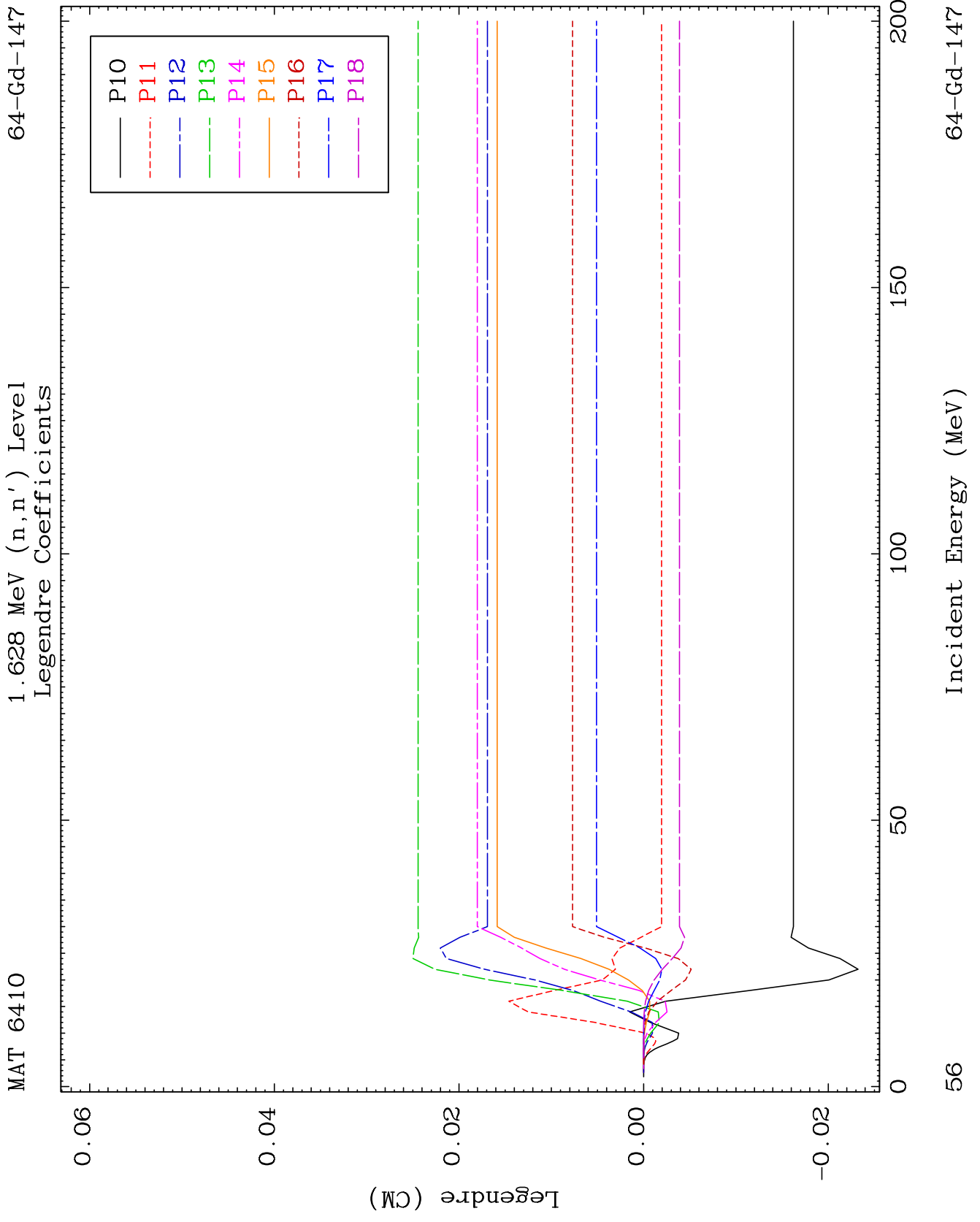


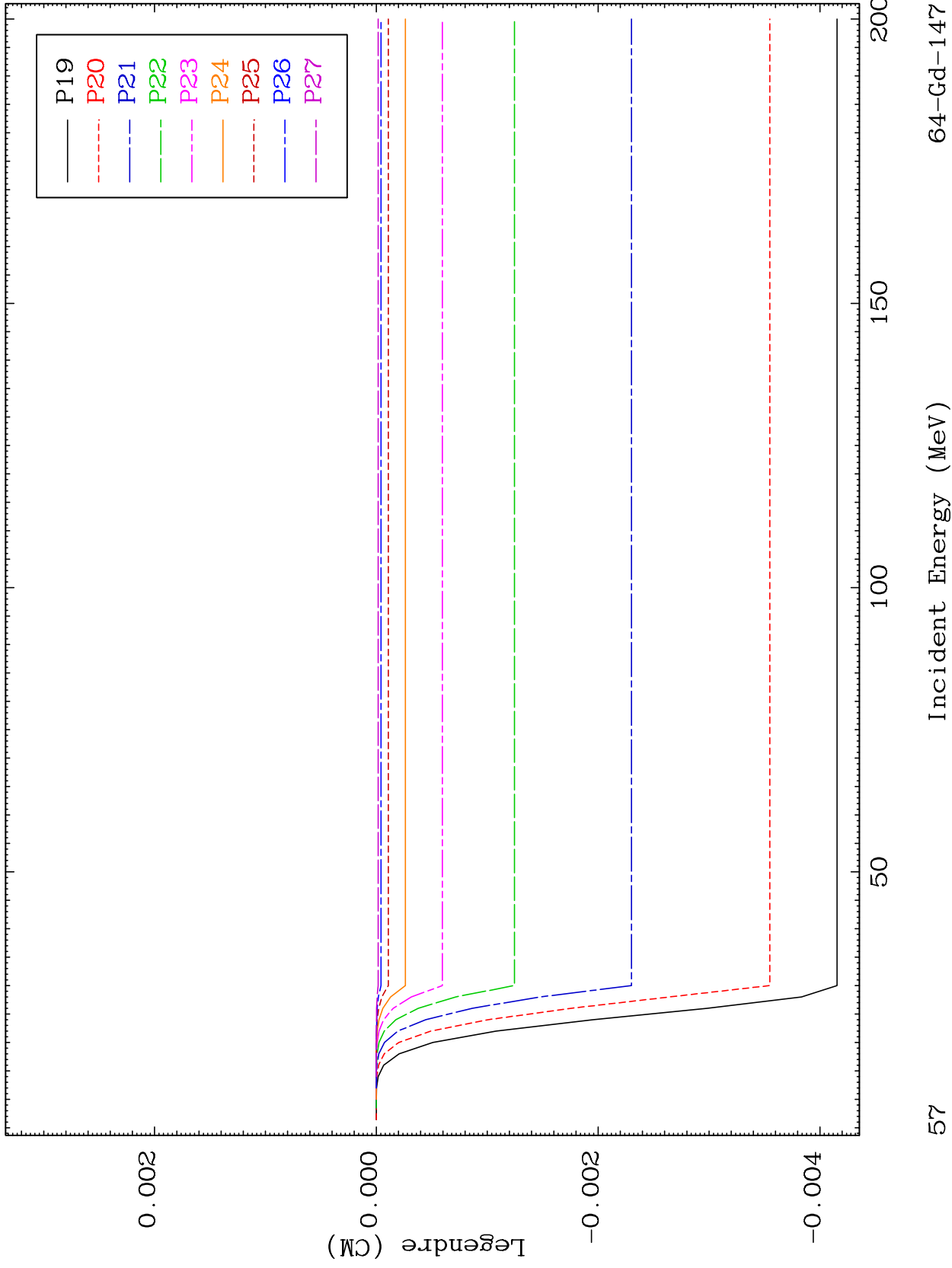


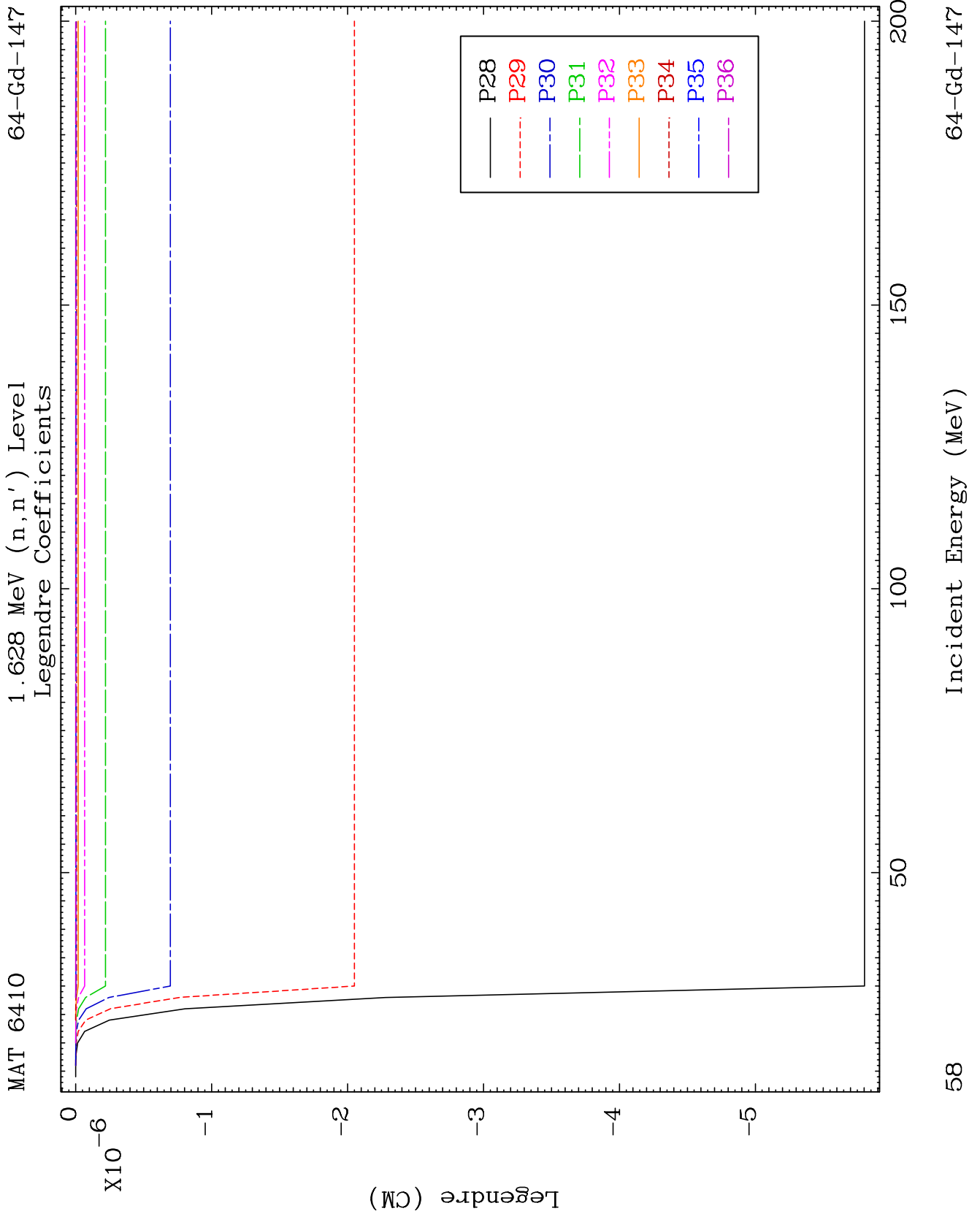








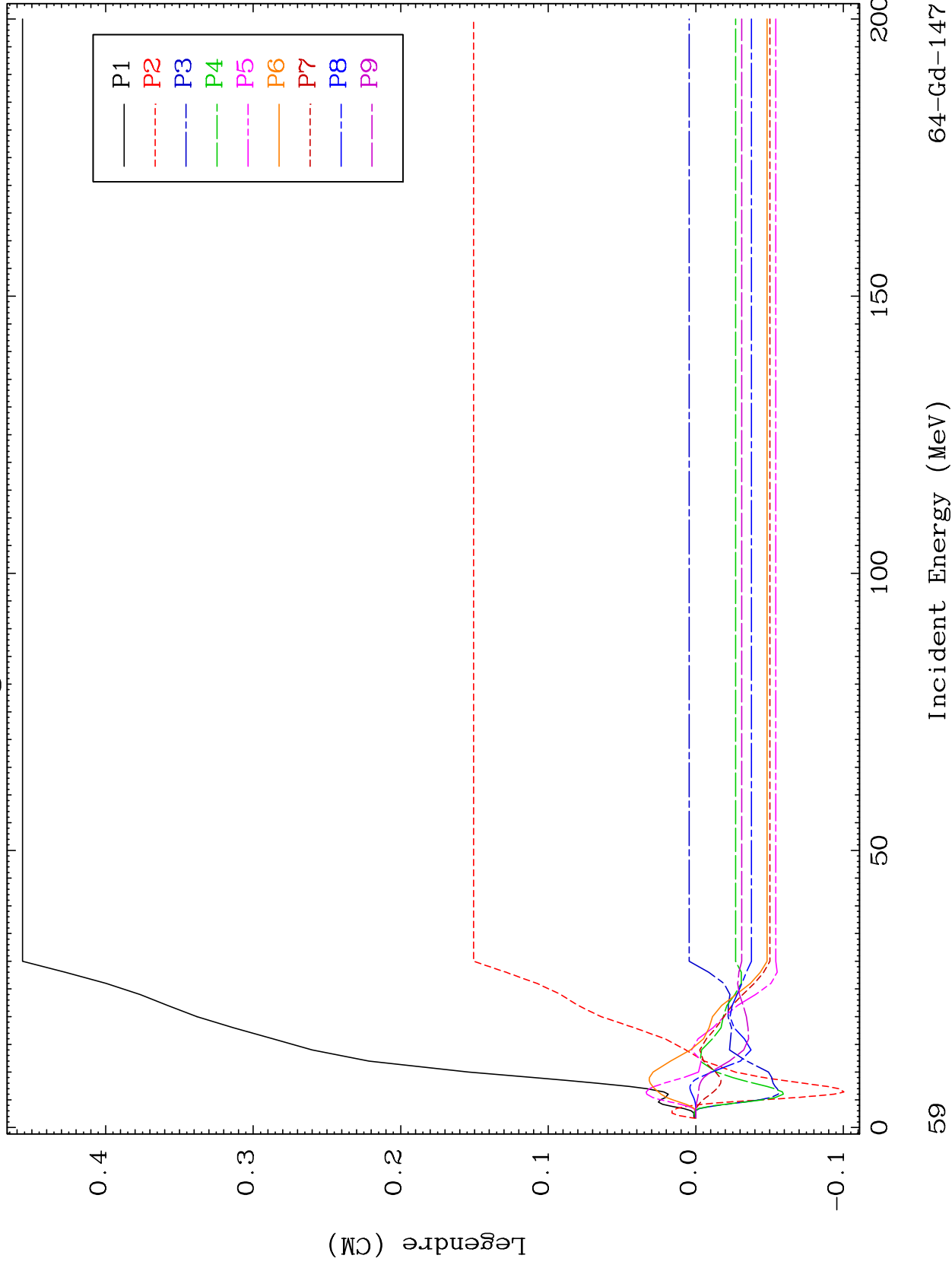




MAT 6410

1.636 MeV (n,n') Level
Legendre Coefficients

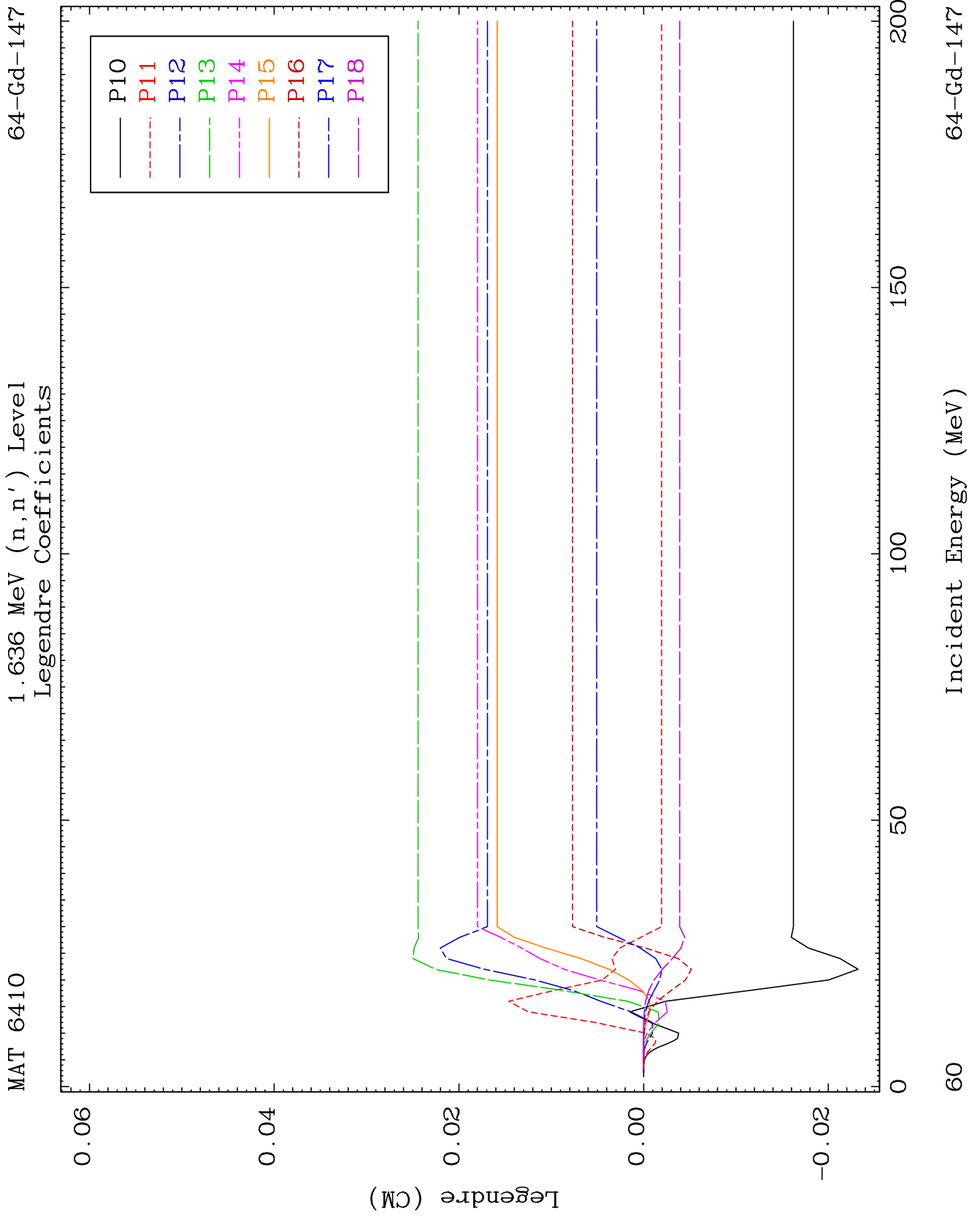
64-Gd-147



64-Gd-147

Incident Energy (MeV)

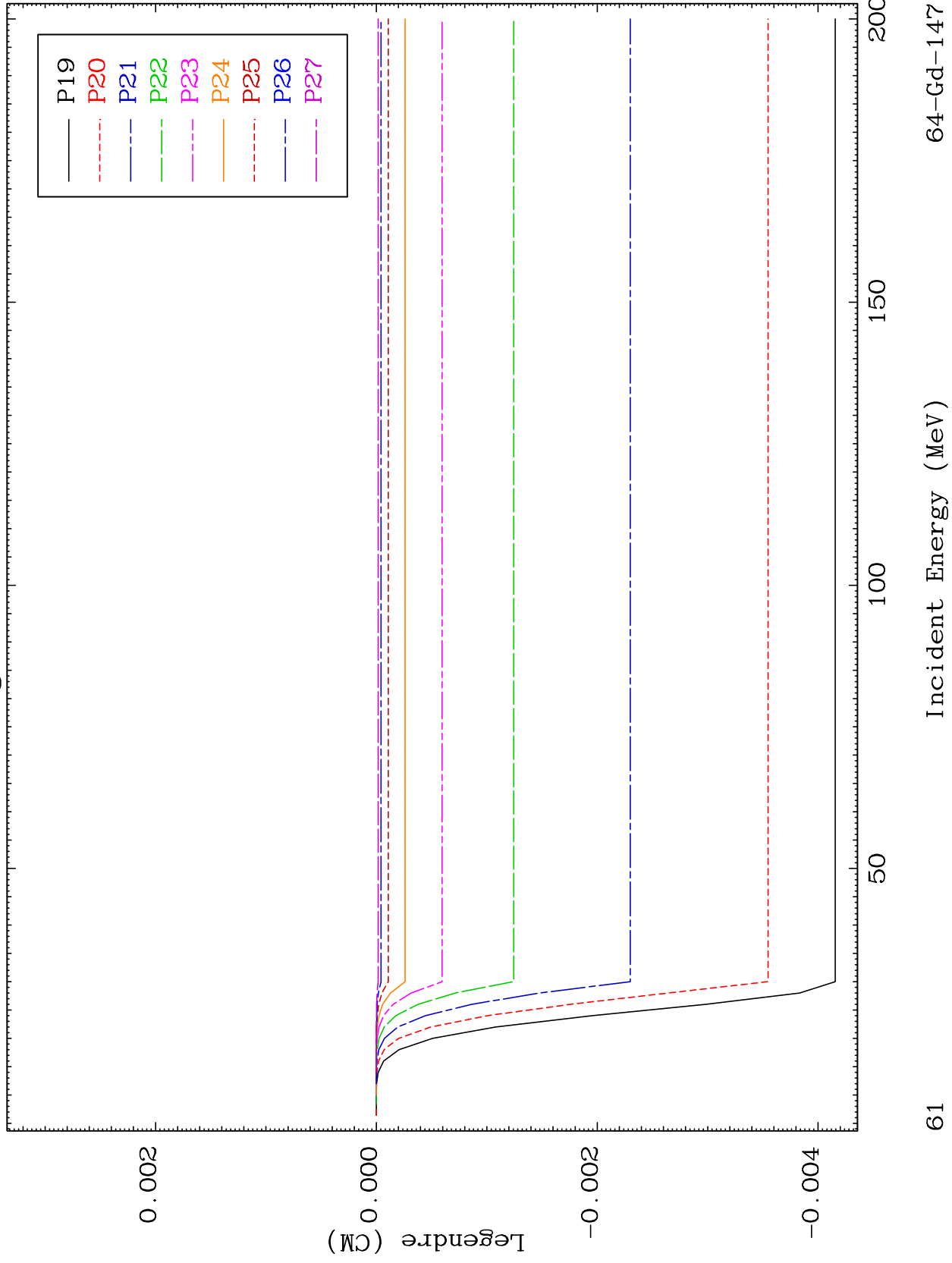
59



MAT 6410

1.636 MeV (n,n') Level
Legendre Coefficients

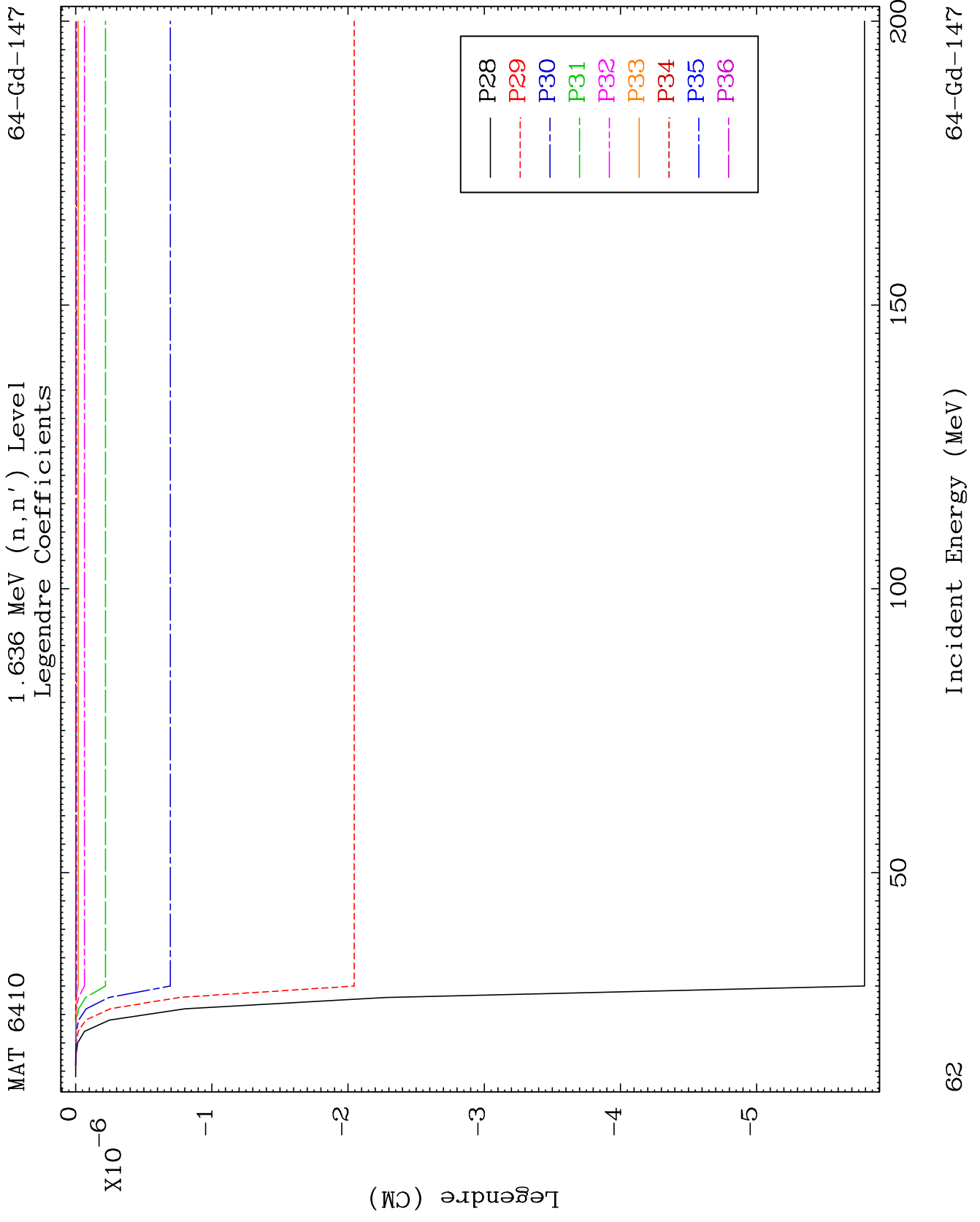
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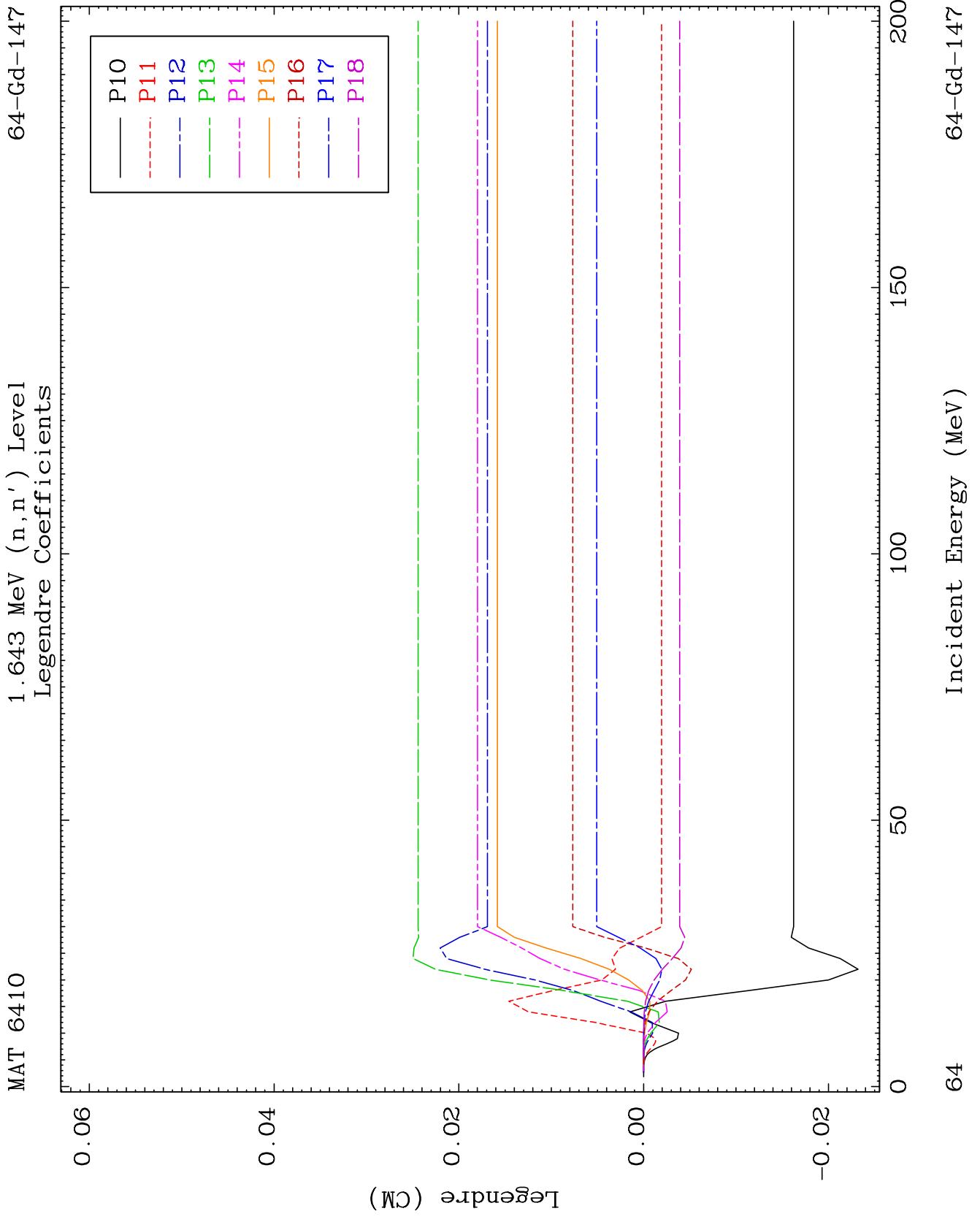


61

Incident Energy (MeV)

64-Gd-147

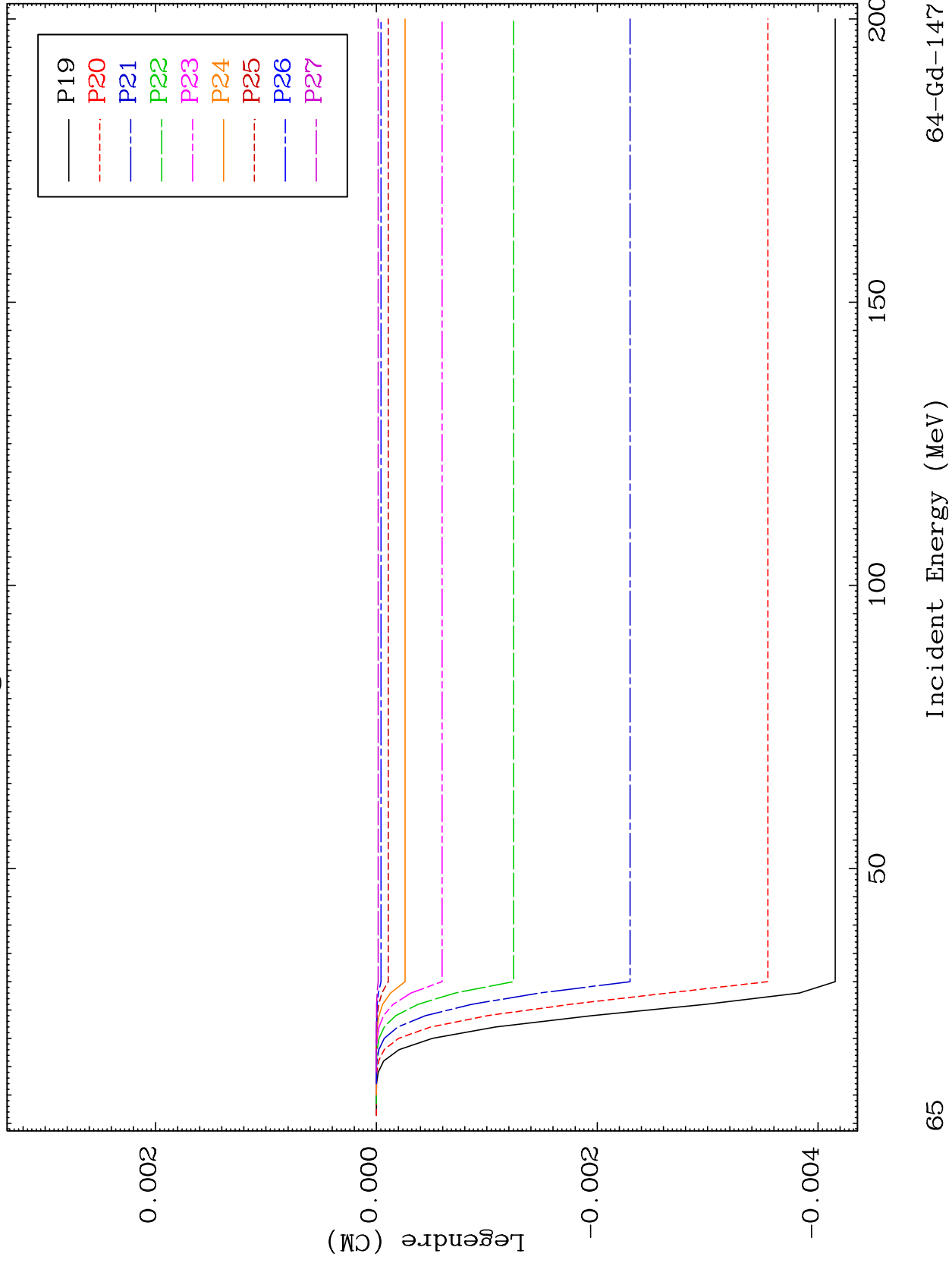


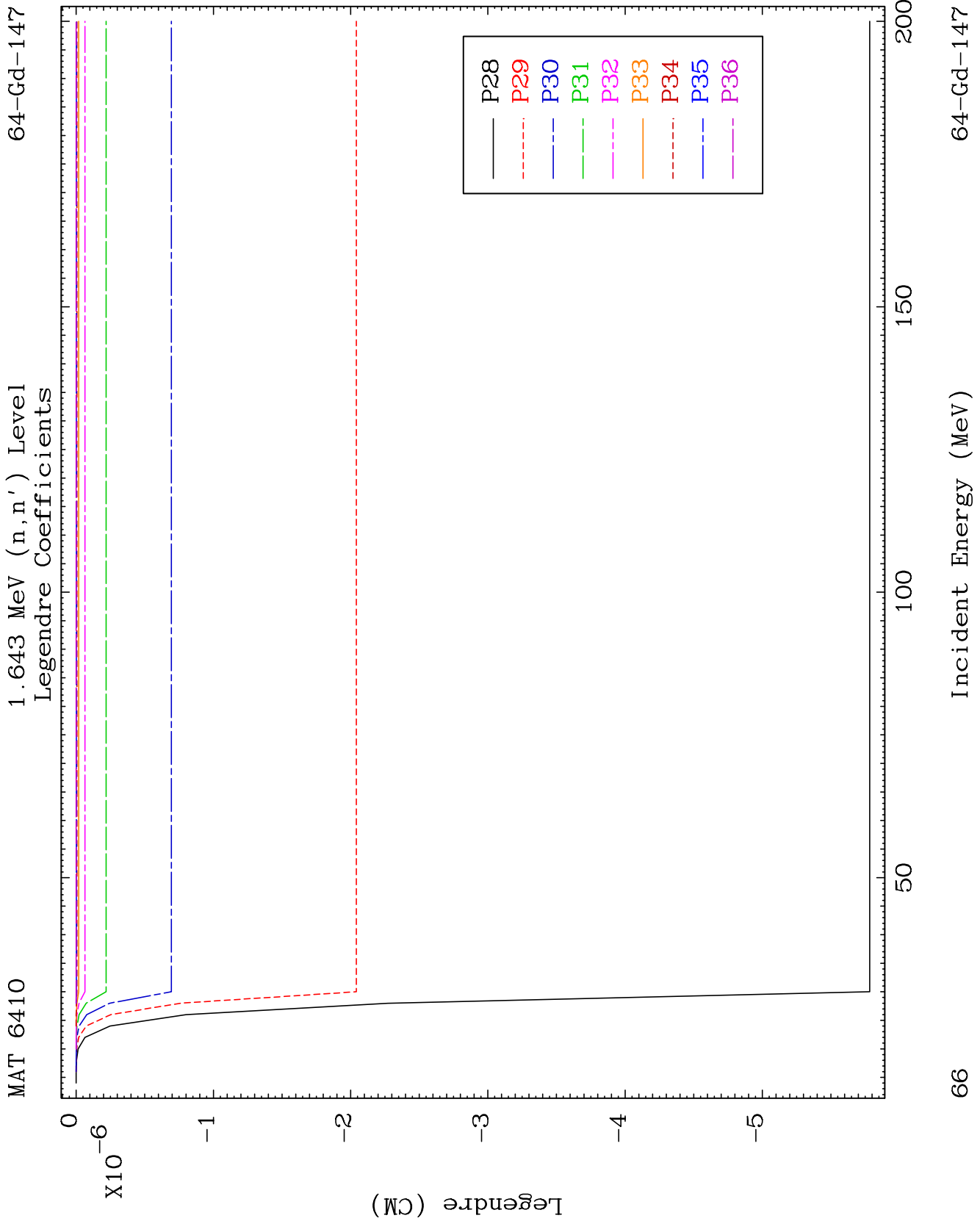


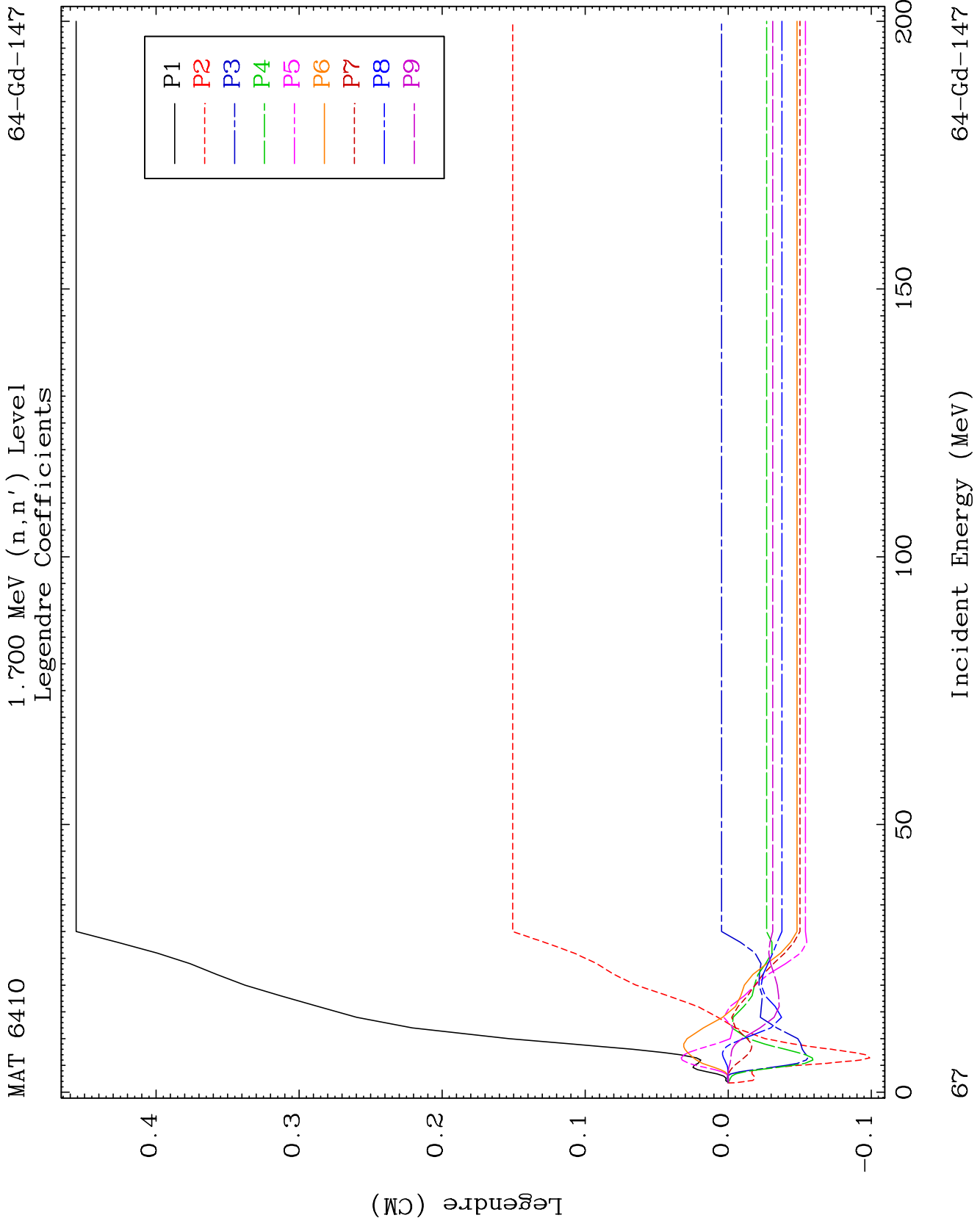
MAT 6410

1.643 MeV (n,n') Level
Legendre Coefficients

64-Gd-147



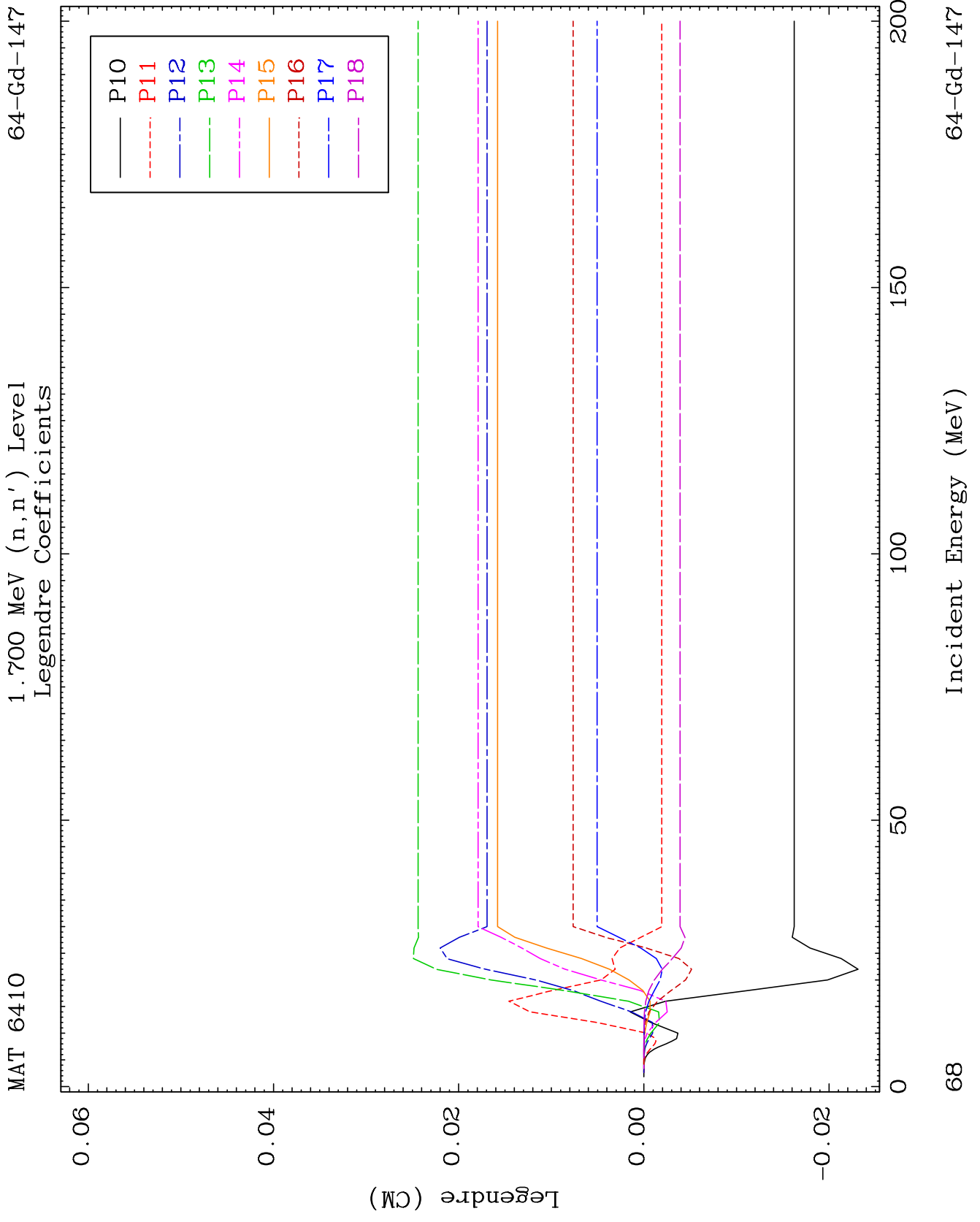


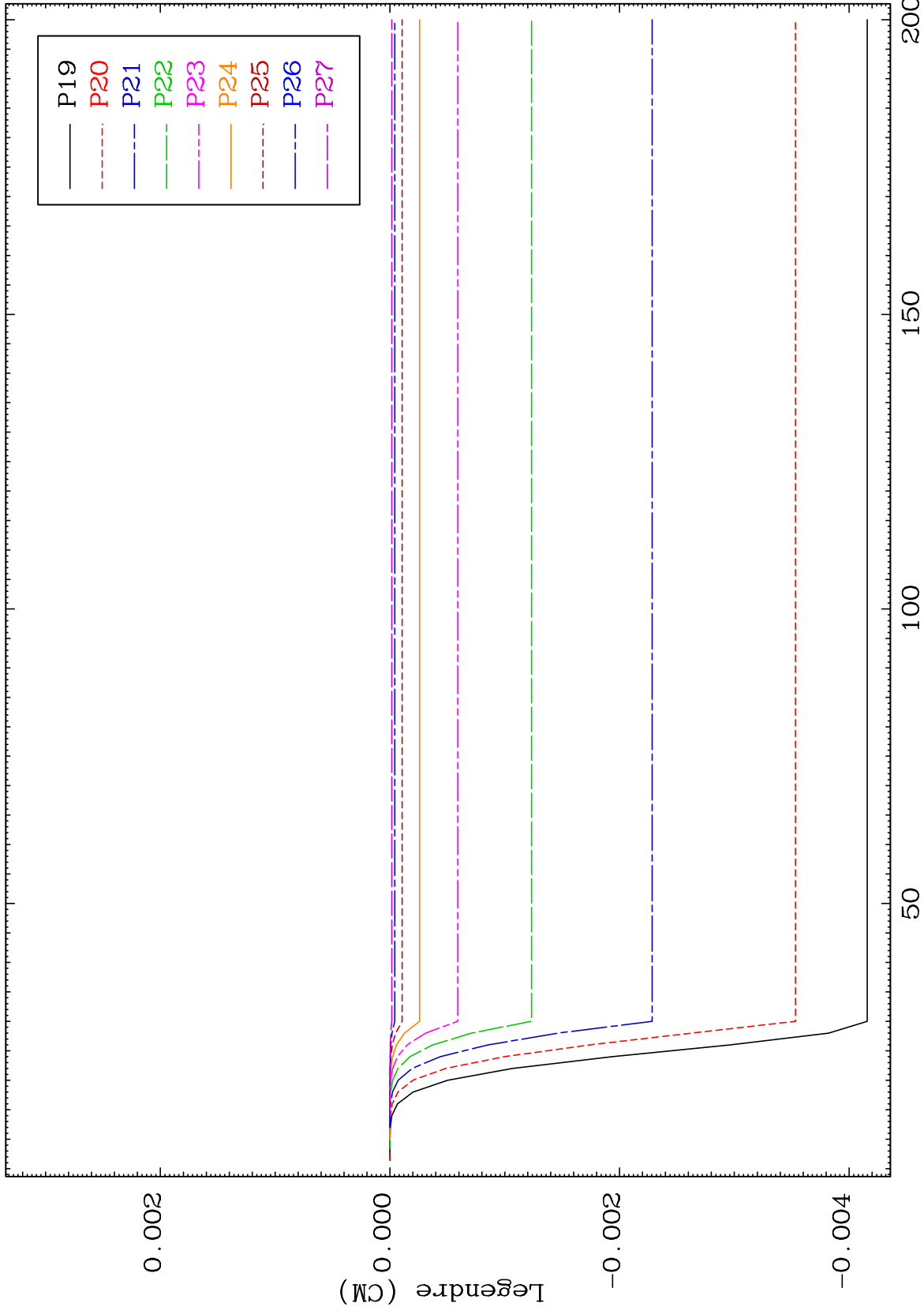


64-Gd-147

Incident Energy (MeV)

67

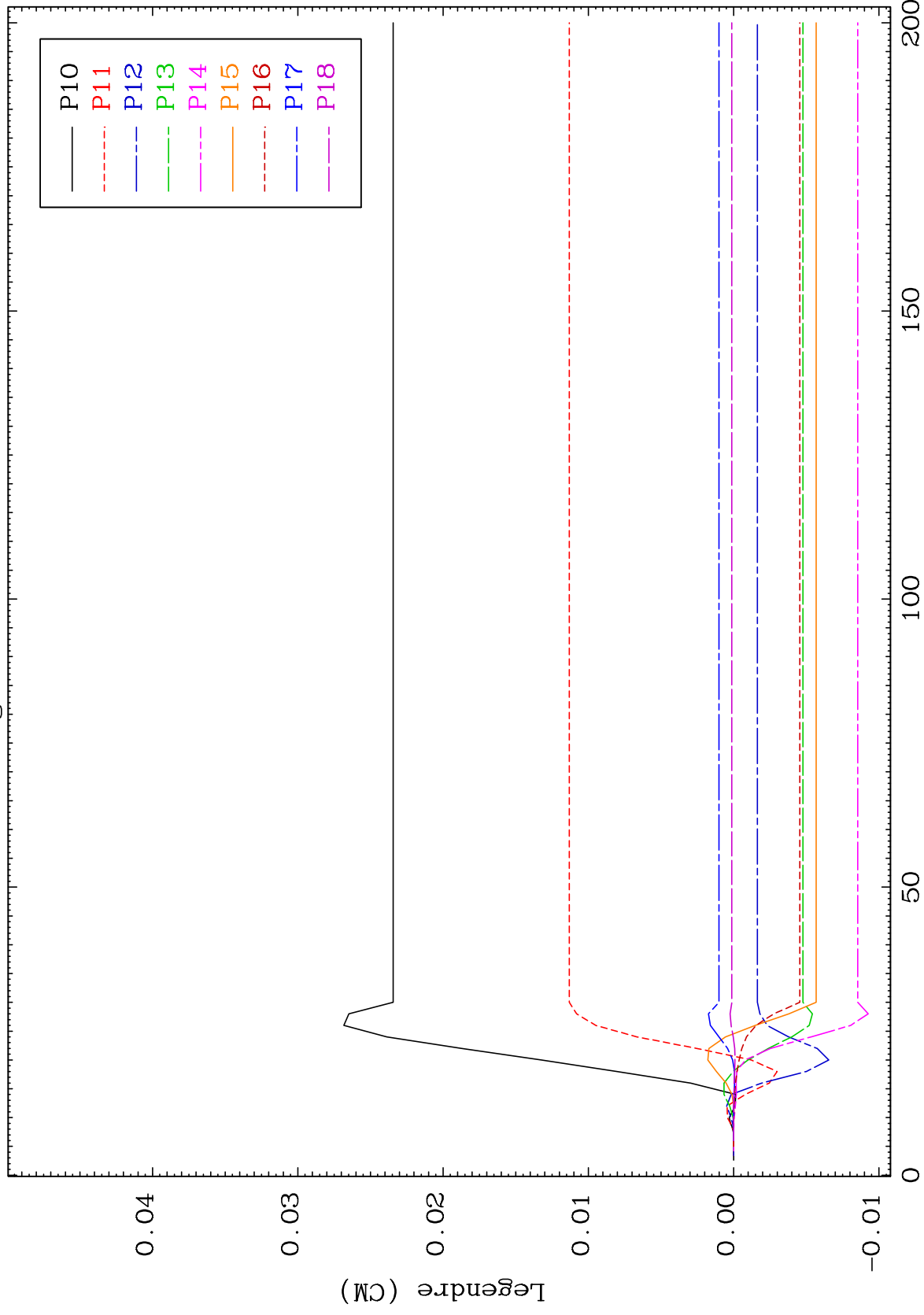




MAT 6410

1.702 MeV (n,n') Level
Legendre Coefficients

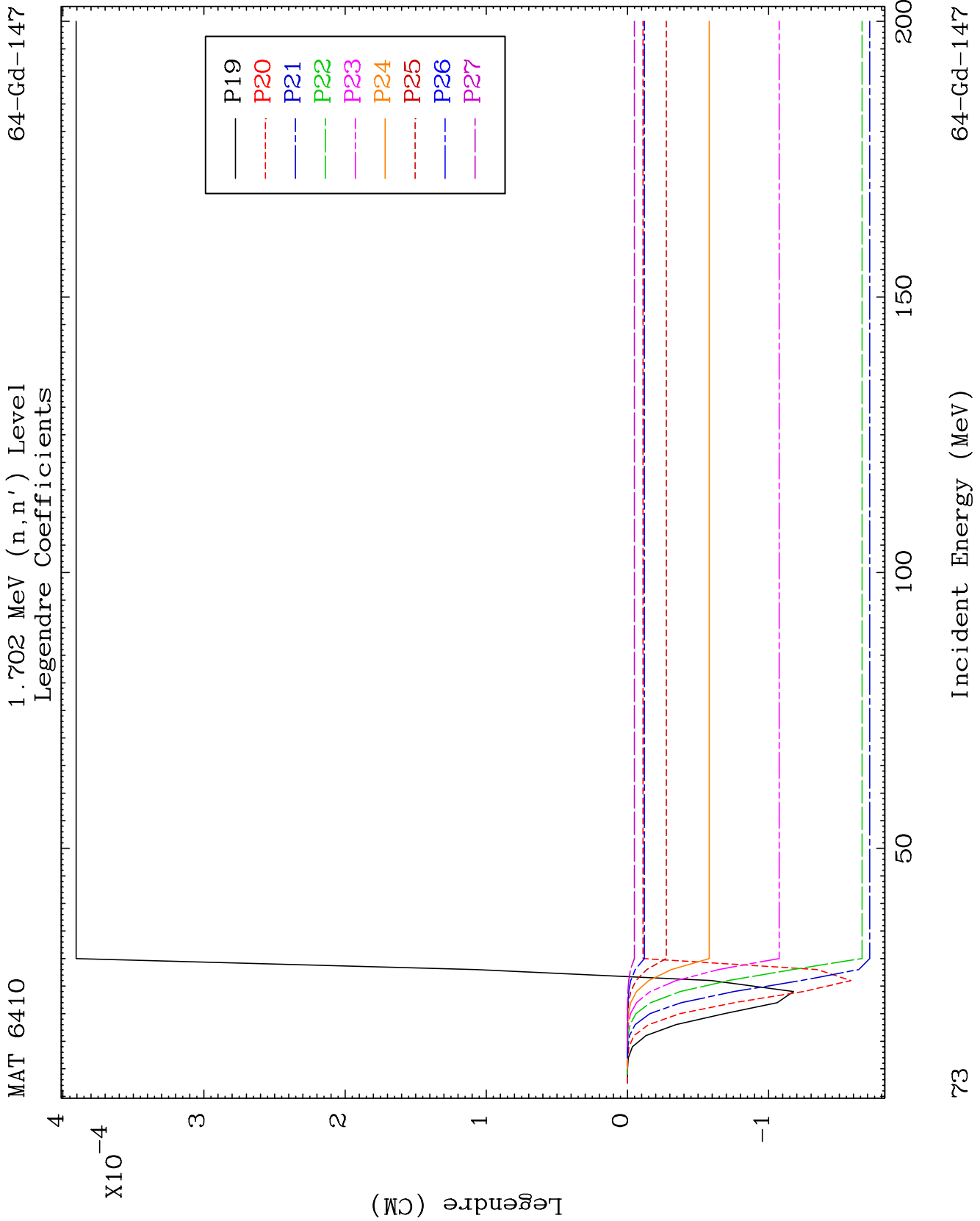
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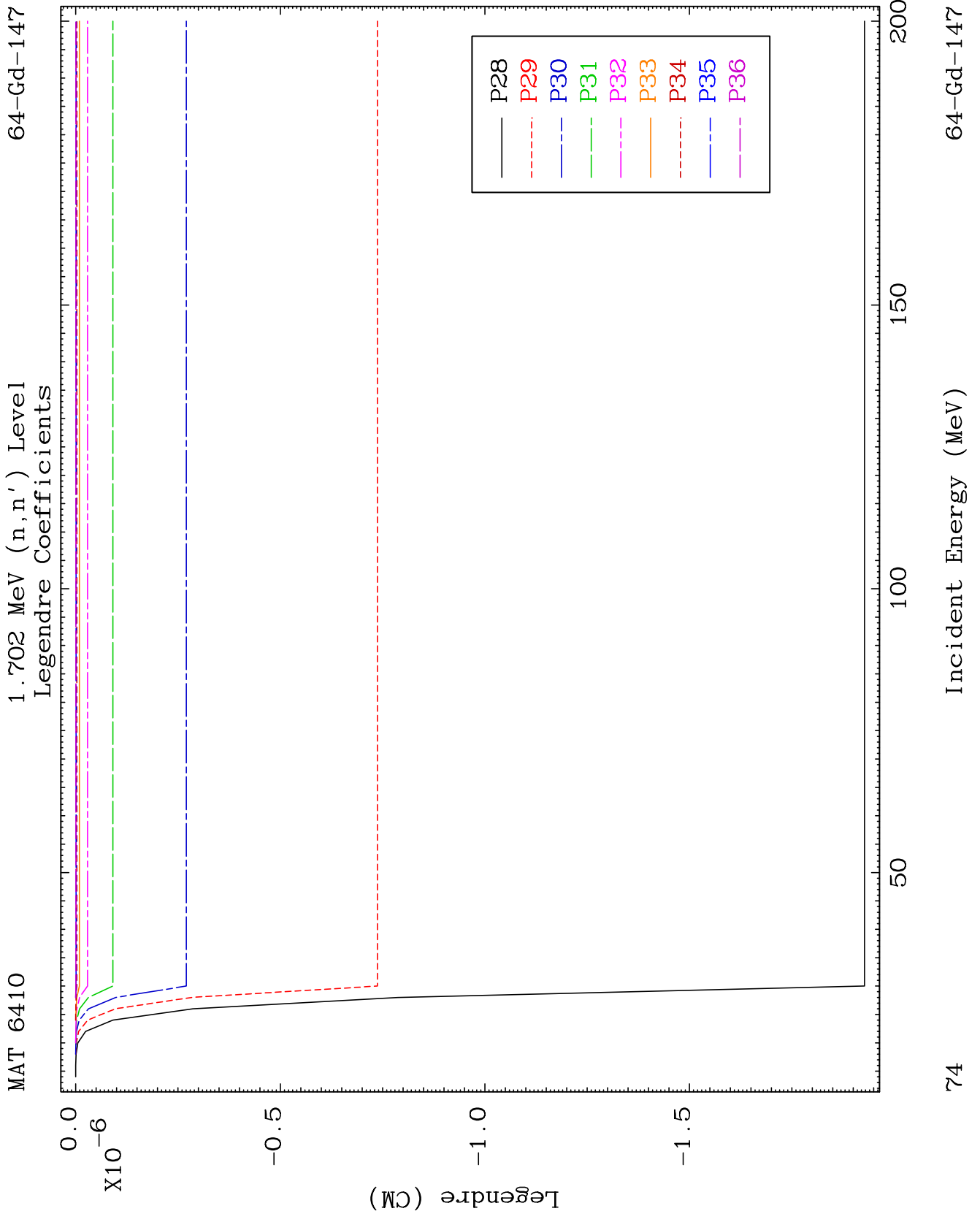


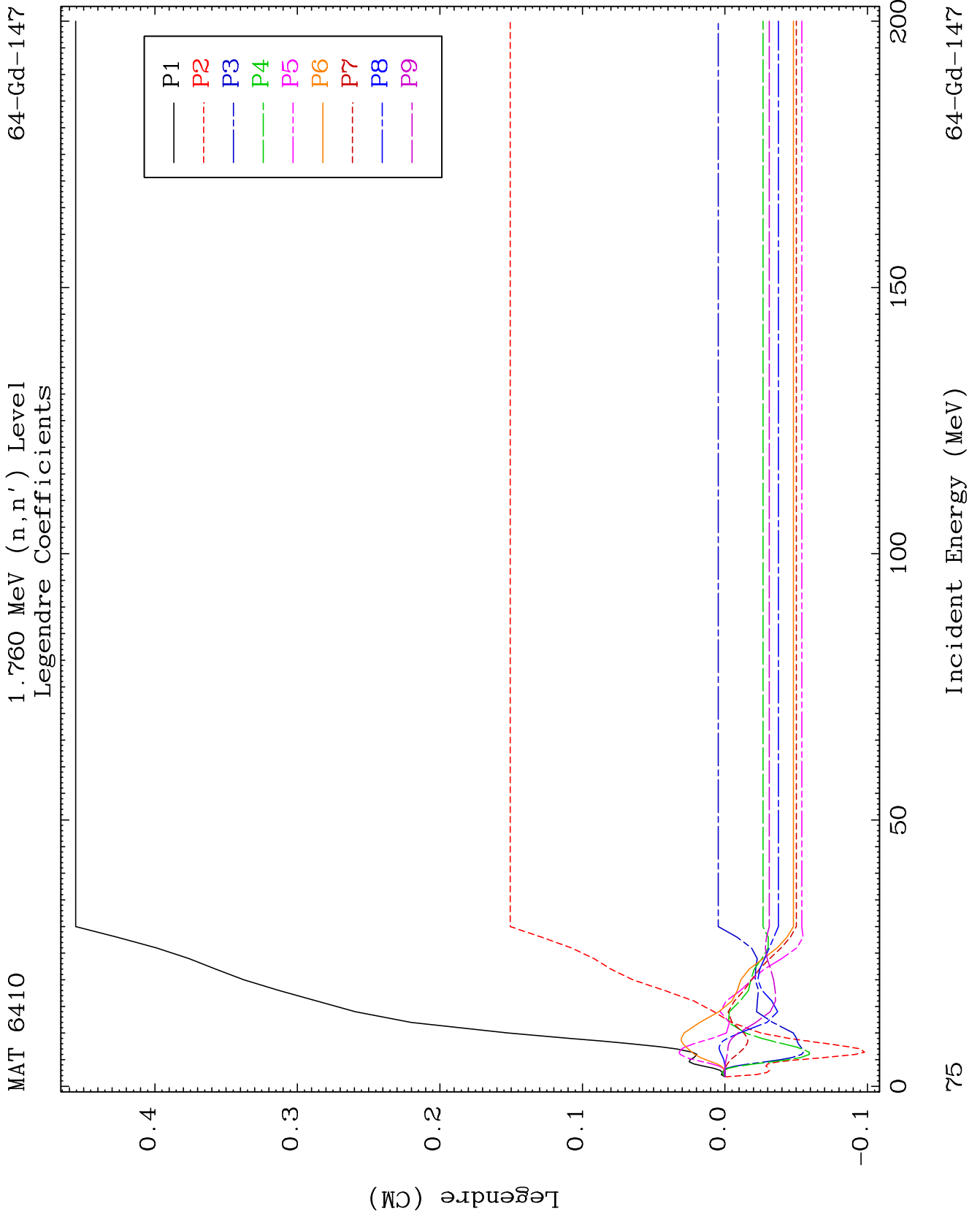
72

Incident Energy (MeV)

64-Gd-147



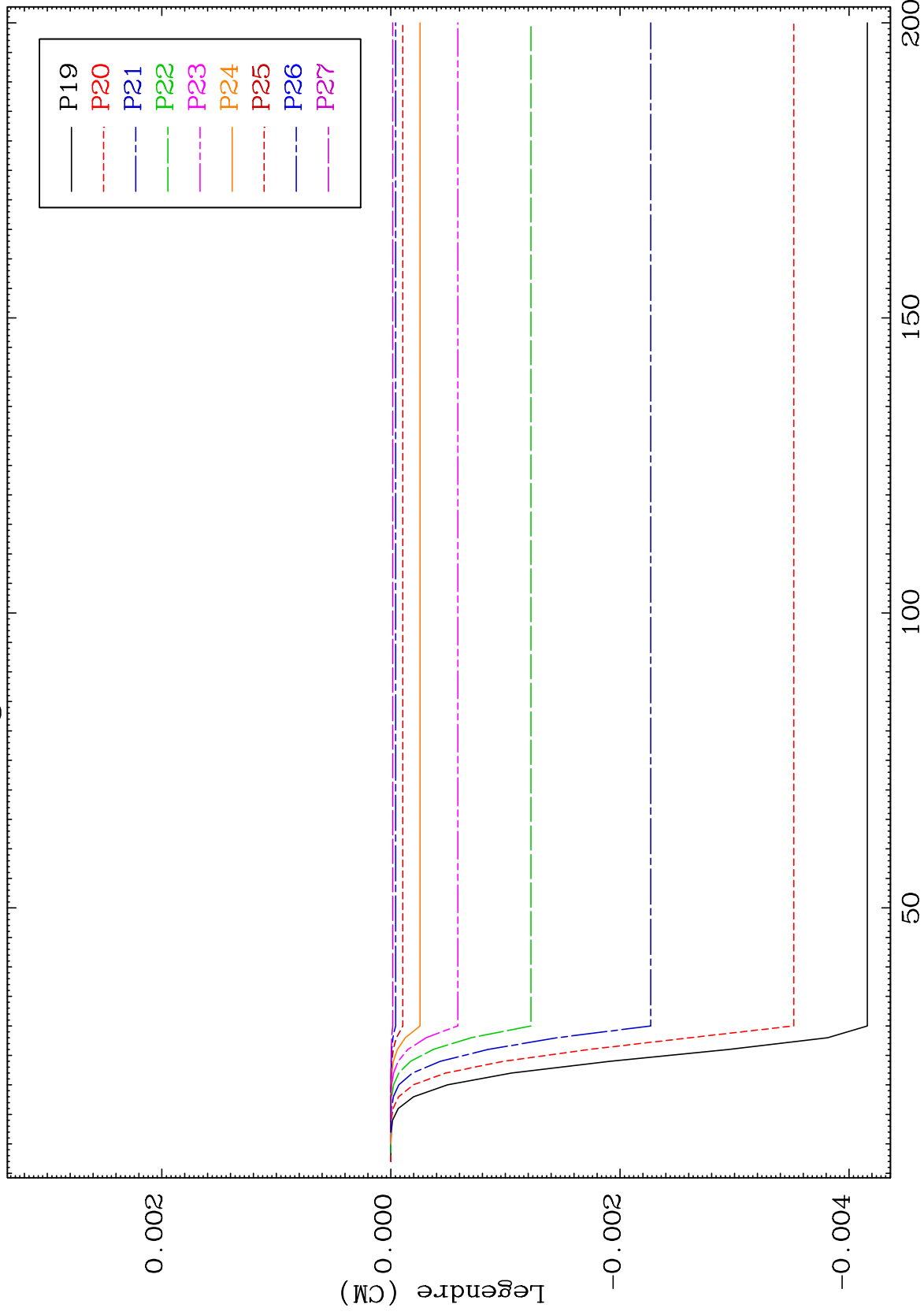




MAT 6410

1.760 MeV (n,n') Level
Legendre Coefficients

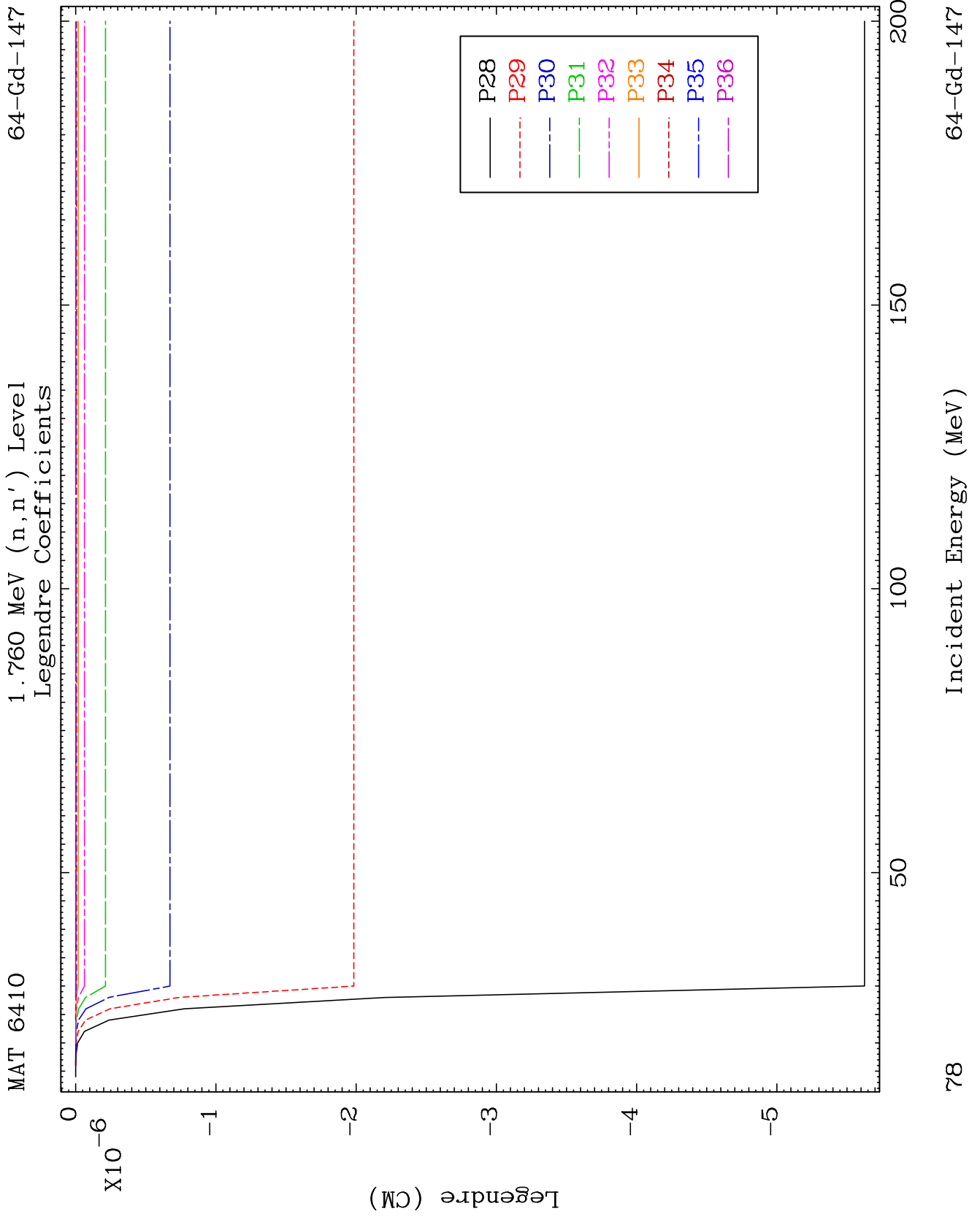
64-Gd-147



77

Incident Energy (MeV)

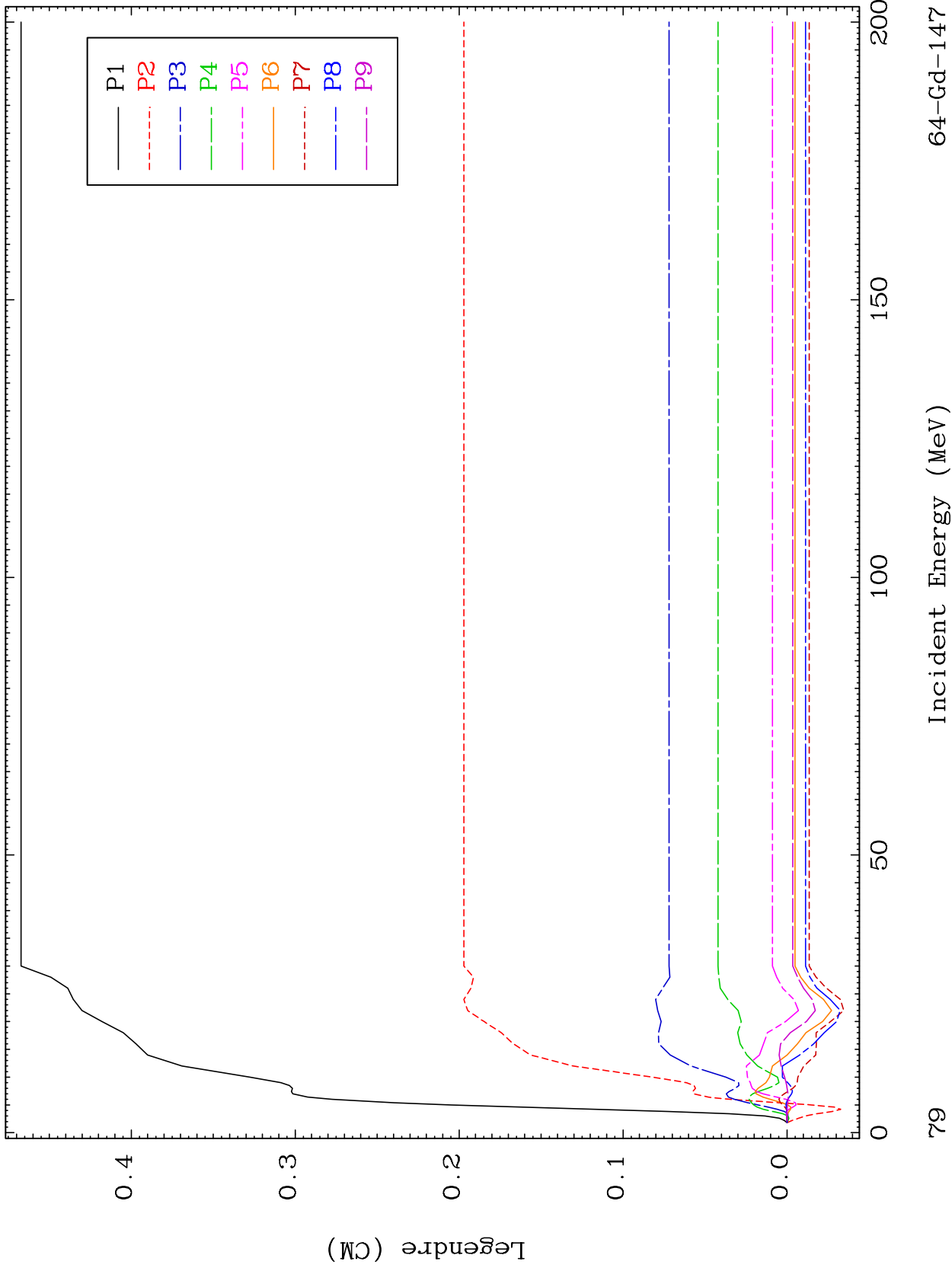
64-Gd-147



MAT 6410

1.776 MeV (n,n') Level
Legendre Coefficients

64-Gd-147



64-Gd-147

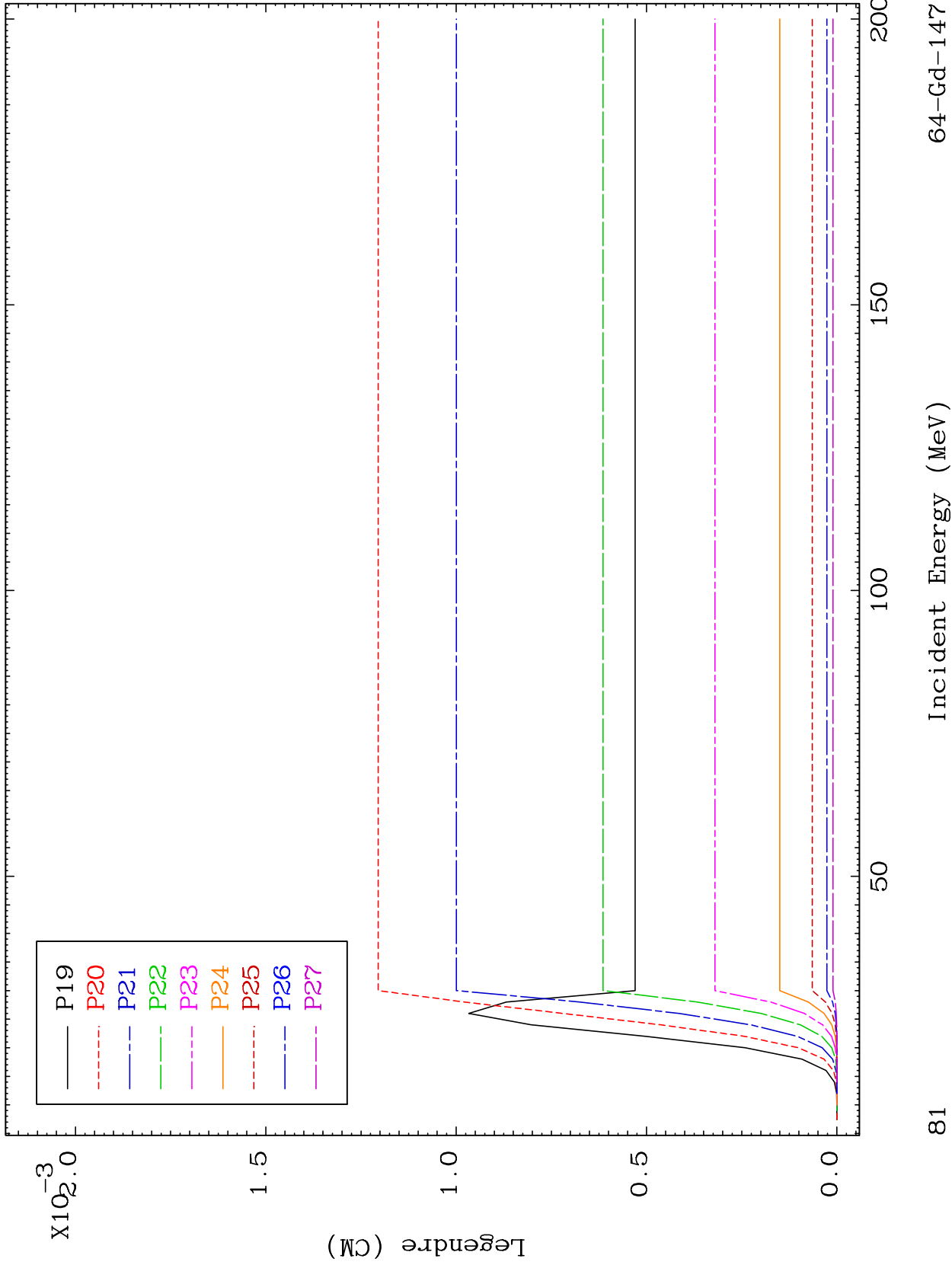
Incident Energy (MeV)

79

MAT 6410

1.776 MeV (n,n') Level
Legendre Coefficients

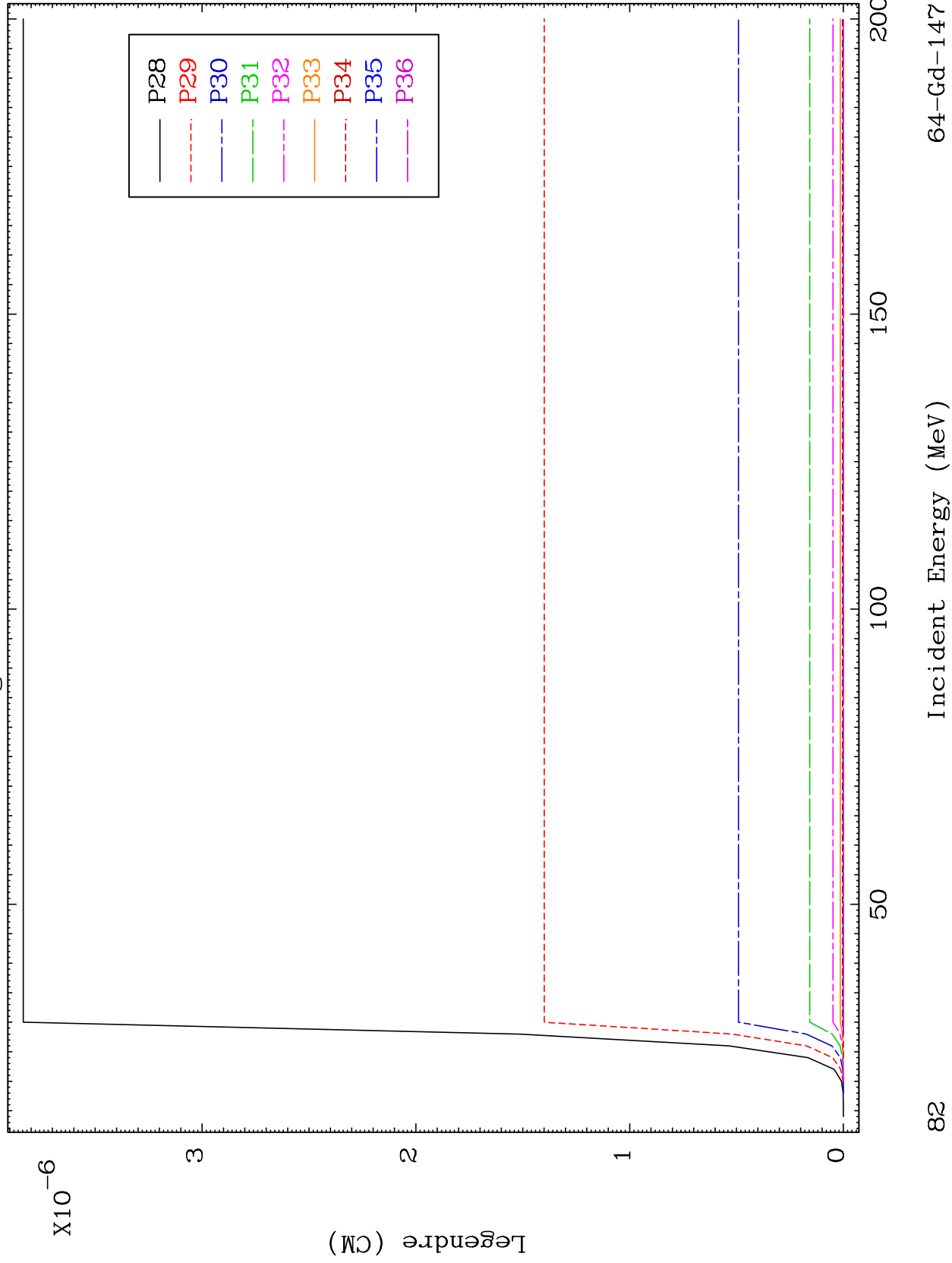
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MAT 6410

1.776 MeV (n,n') Level
Legendre Coefficients

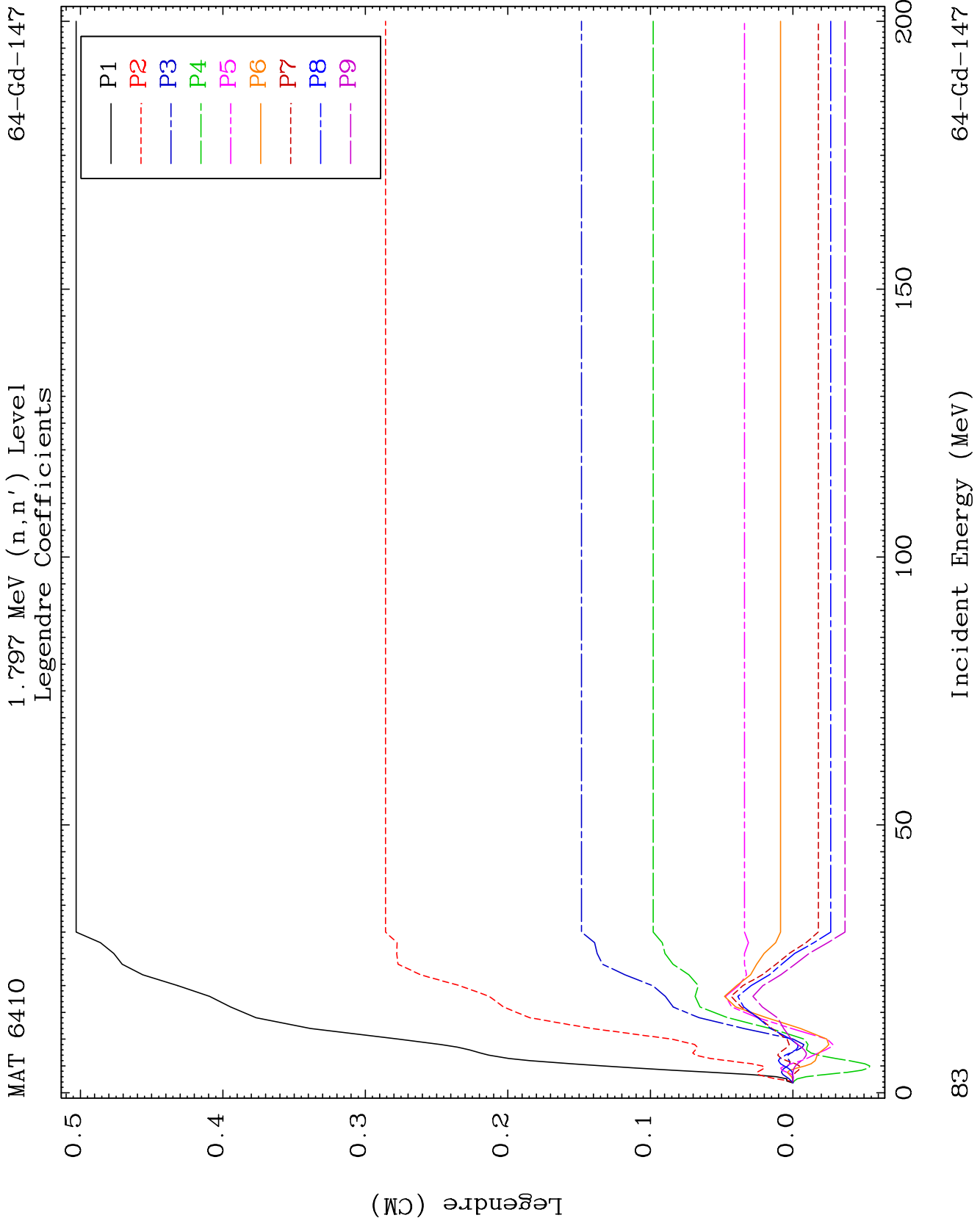
64-Gd-147



82

Incident Energy (MeV)

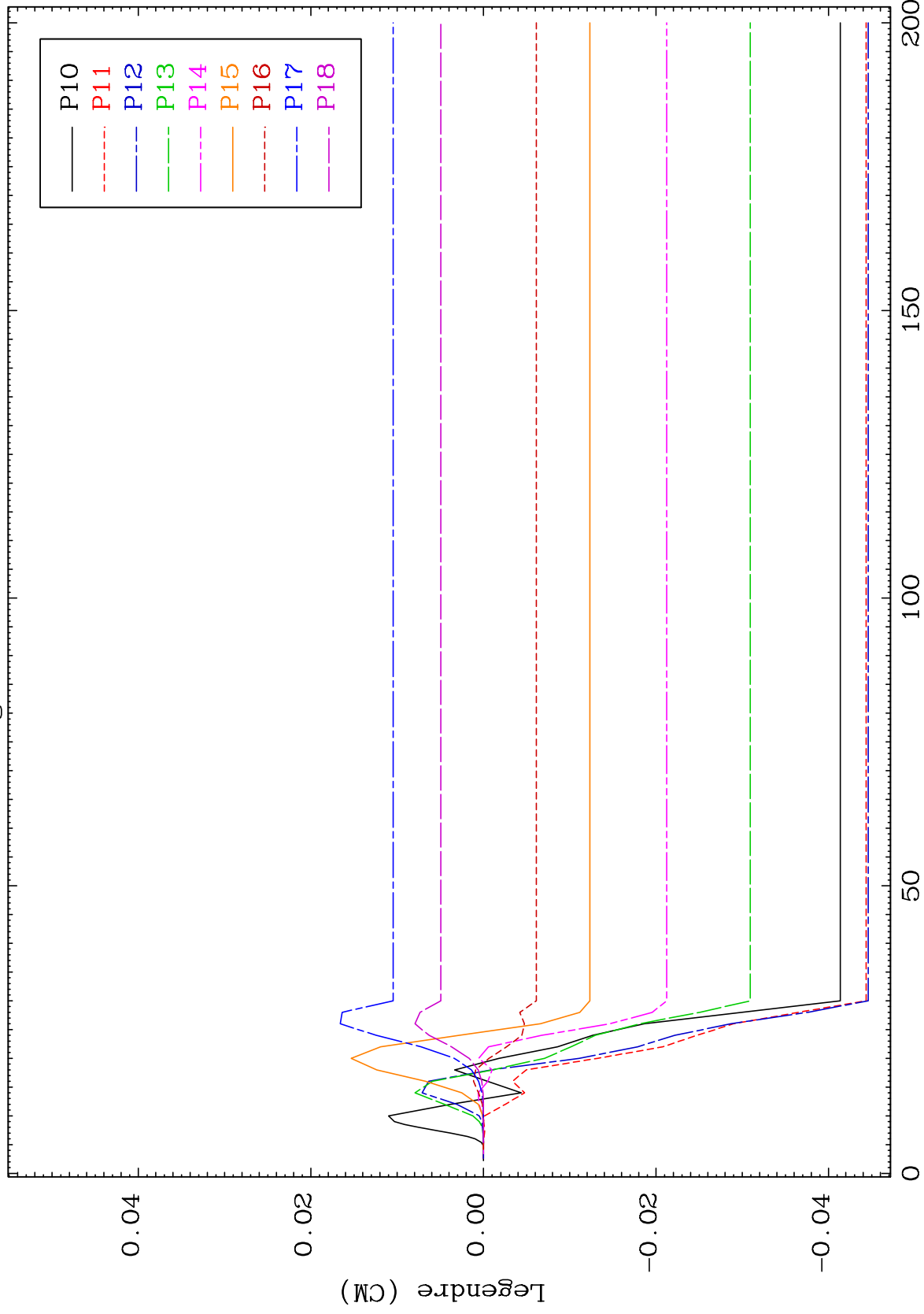
64-Gd-147



MAT 6410

1.797 MeV (n,n') Level
Legendre Coefficients

64-Gd-147



84

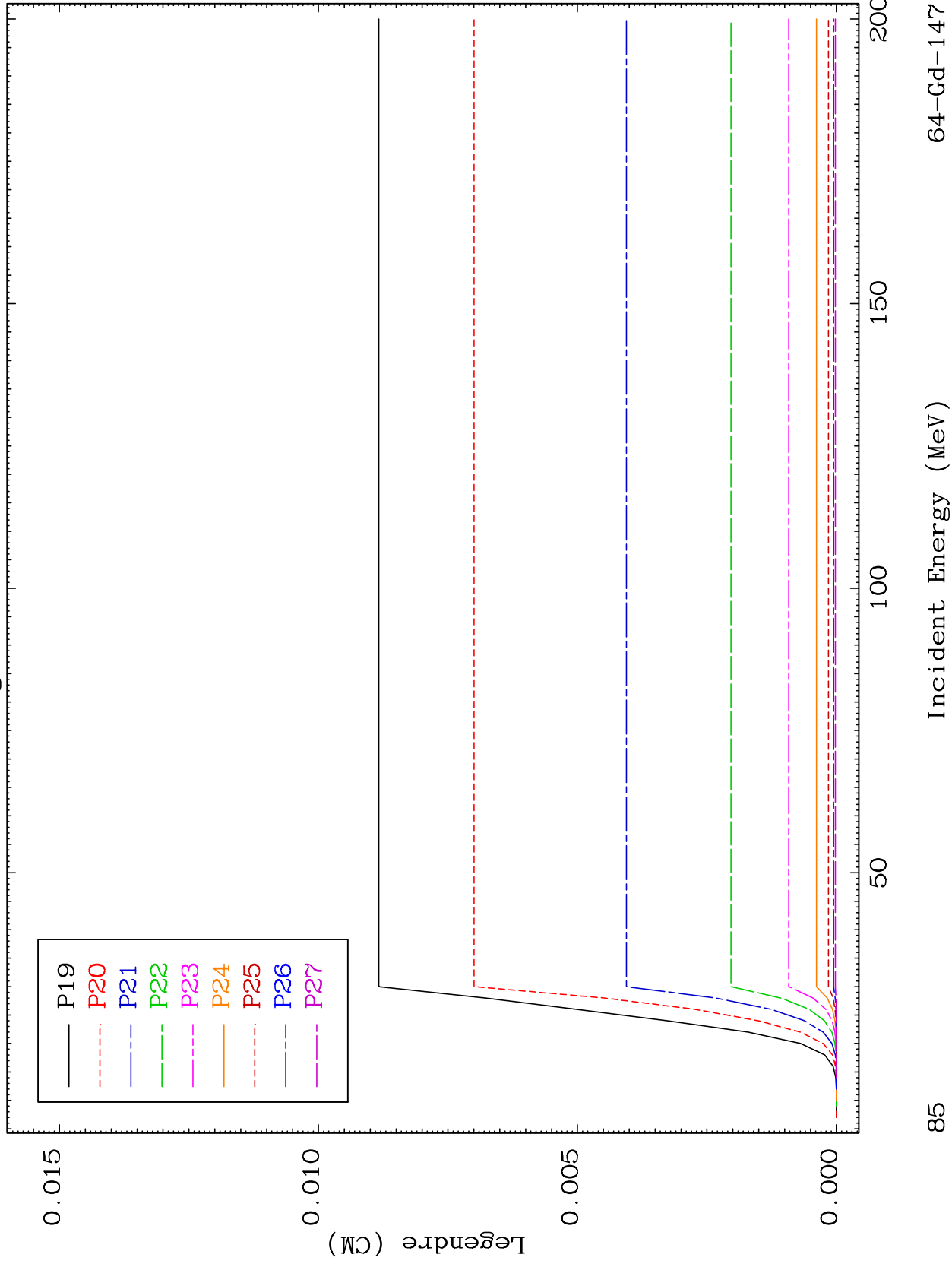
Incident Energy (MeV)

64-Gd-147

MAT 6410

1.797 MeV (n,n') Level
Legendre Coefficients

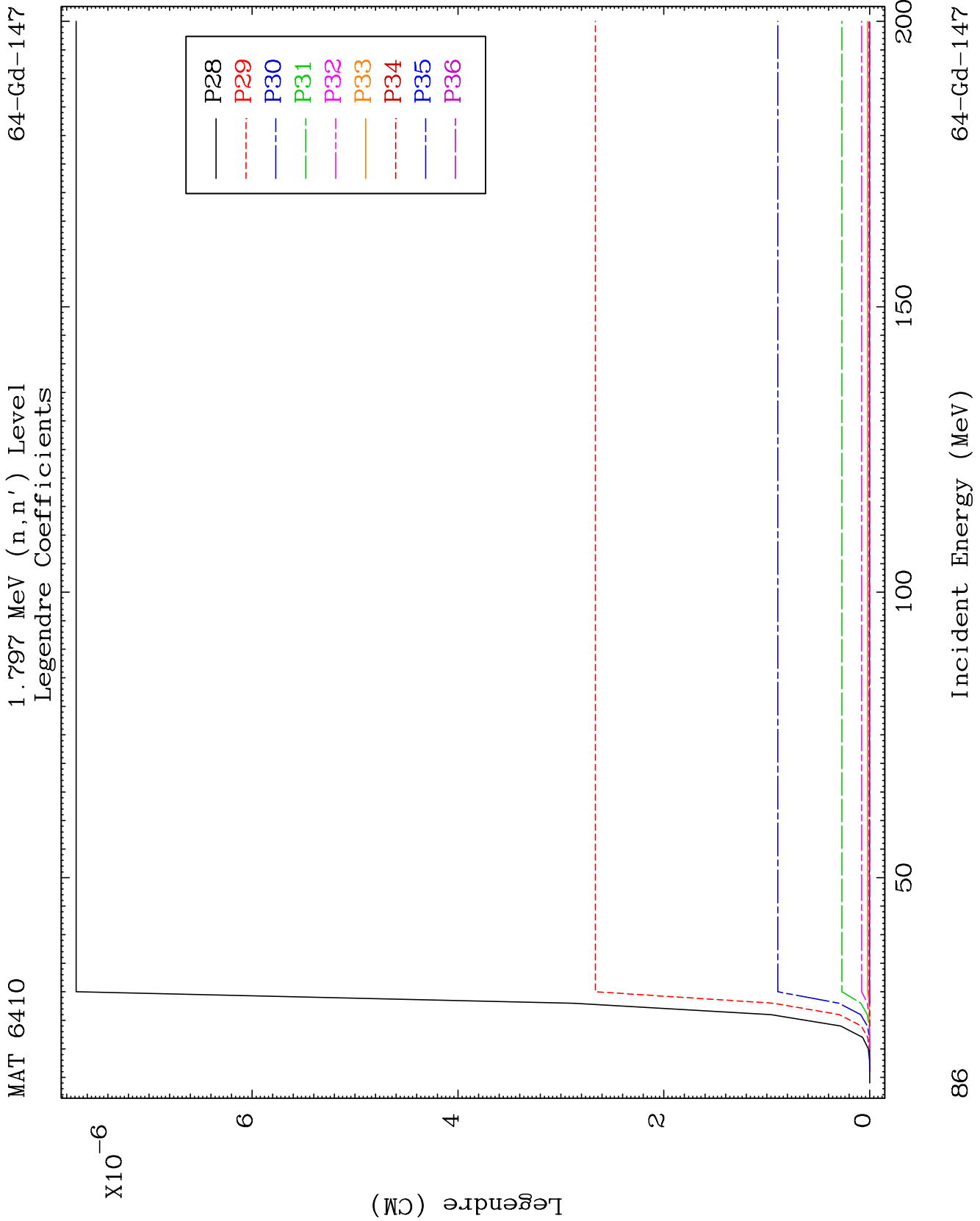
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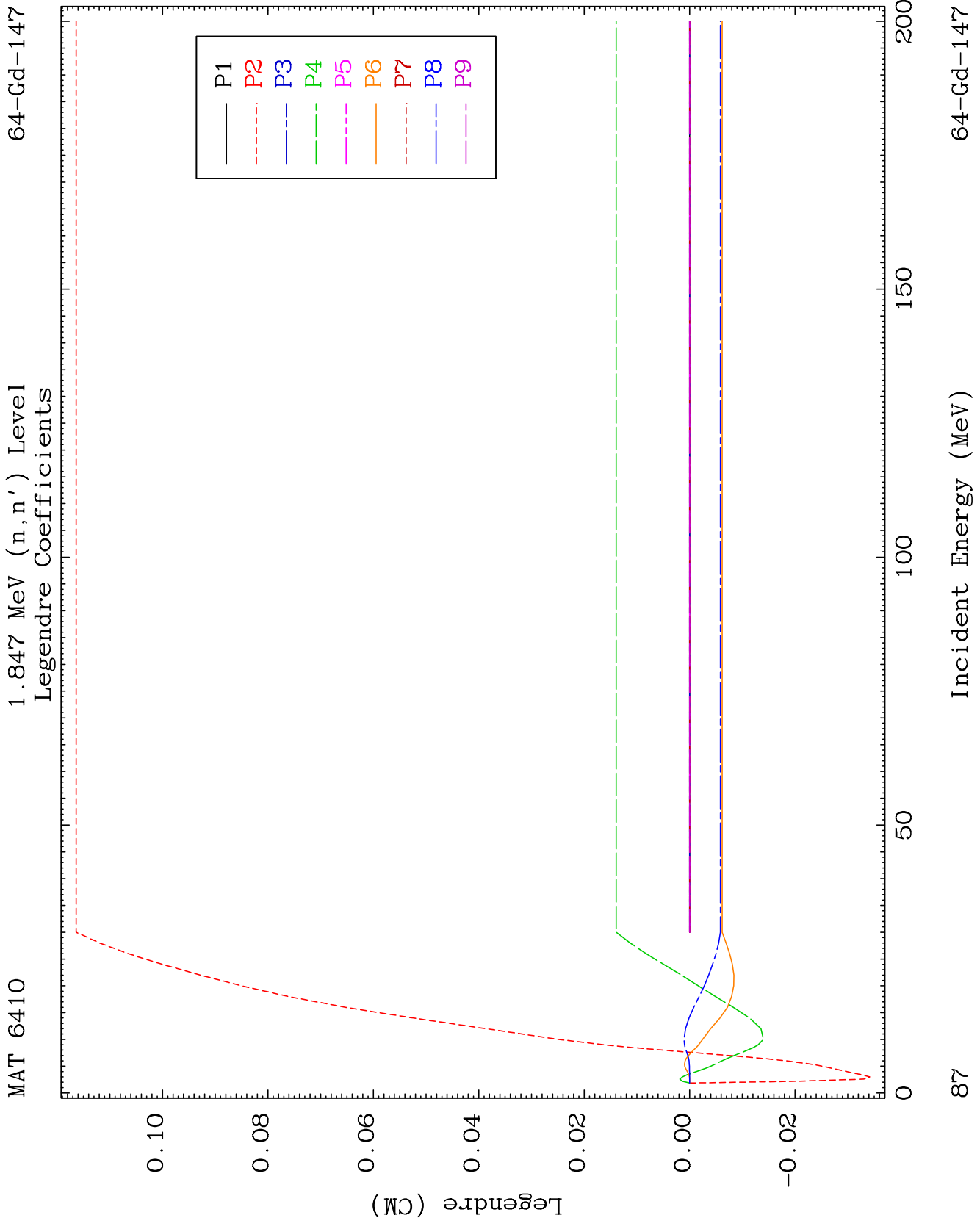


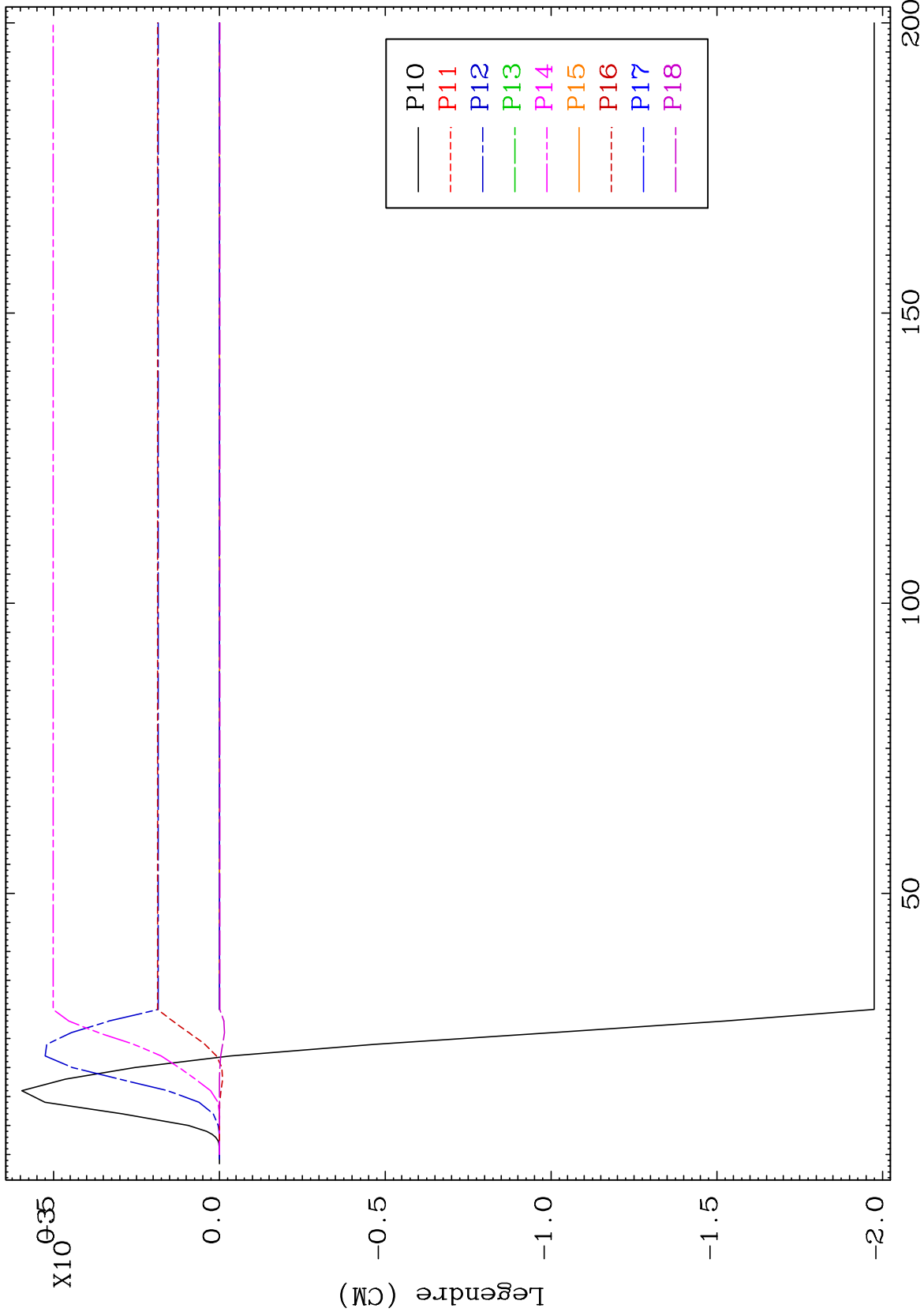
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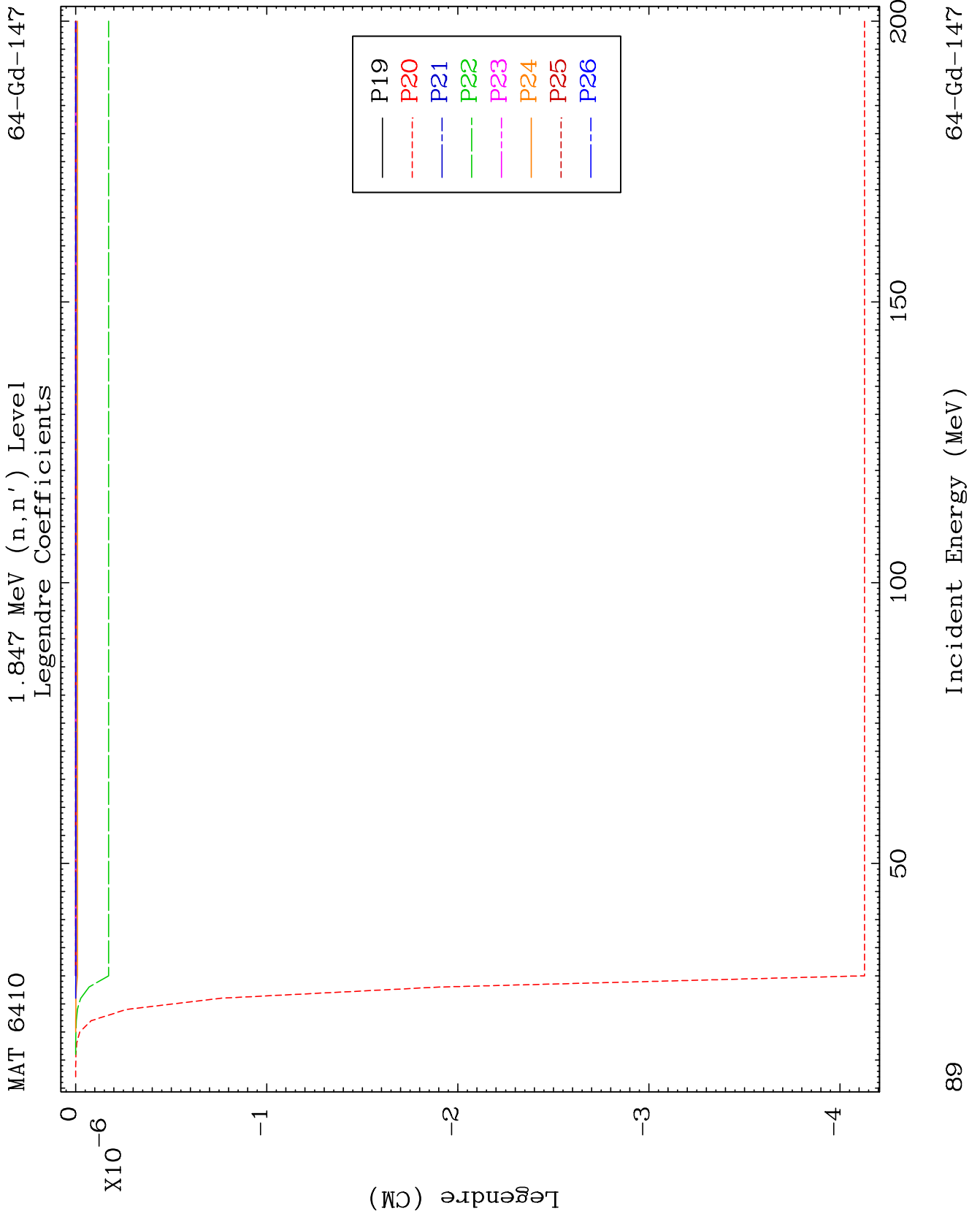
Incident Energy (MeV)

64-Gd-147





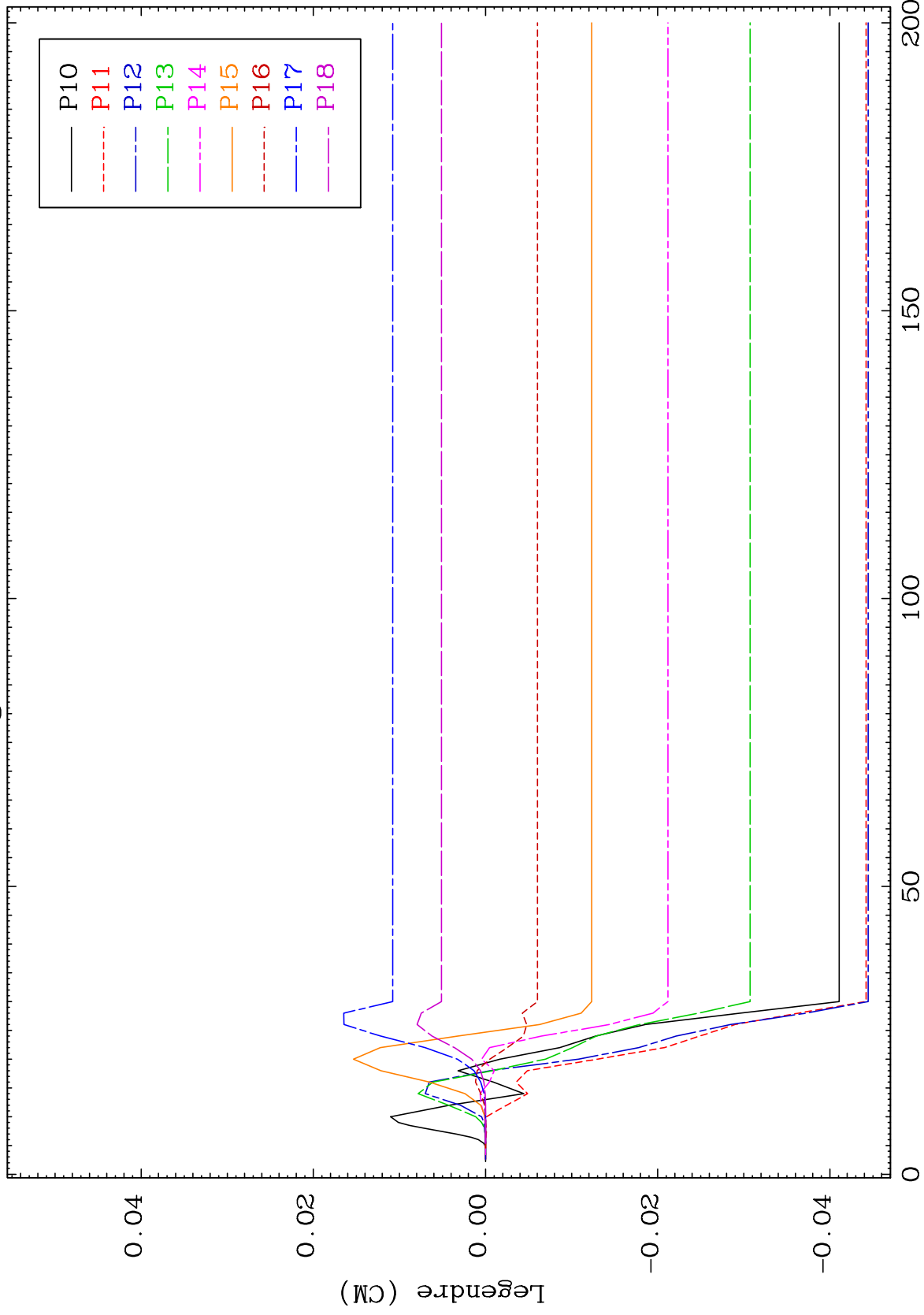




MAT 6410

1.944 MeV (n,n') Level
Legendre Coefficients

64-Gd-147



91

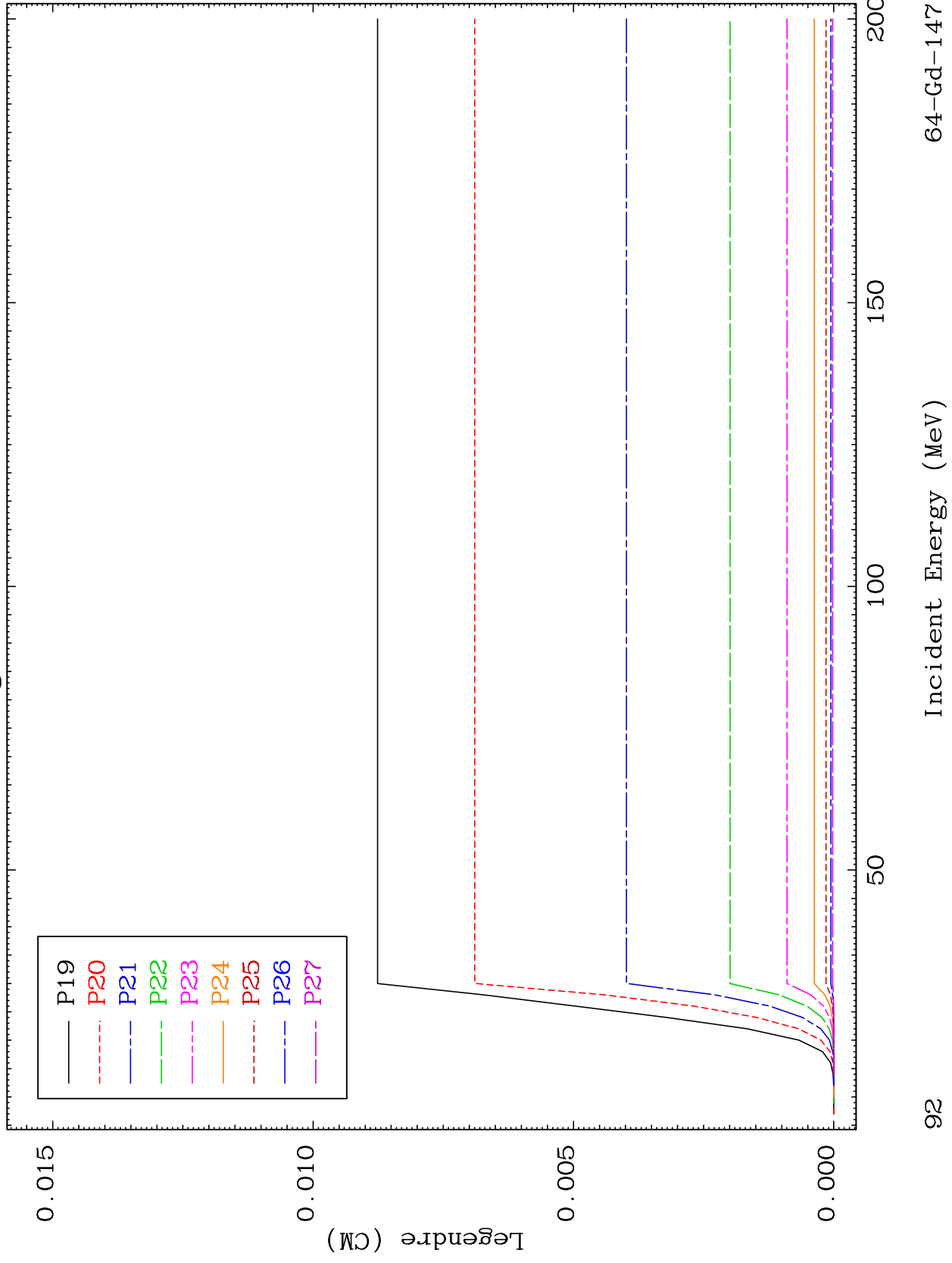
Incident Energy (MeV)

64-Gd-147

MAT 6410

1.944 MeV (n,n') Level
Legendre Coefficients

64-Gd-147



92

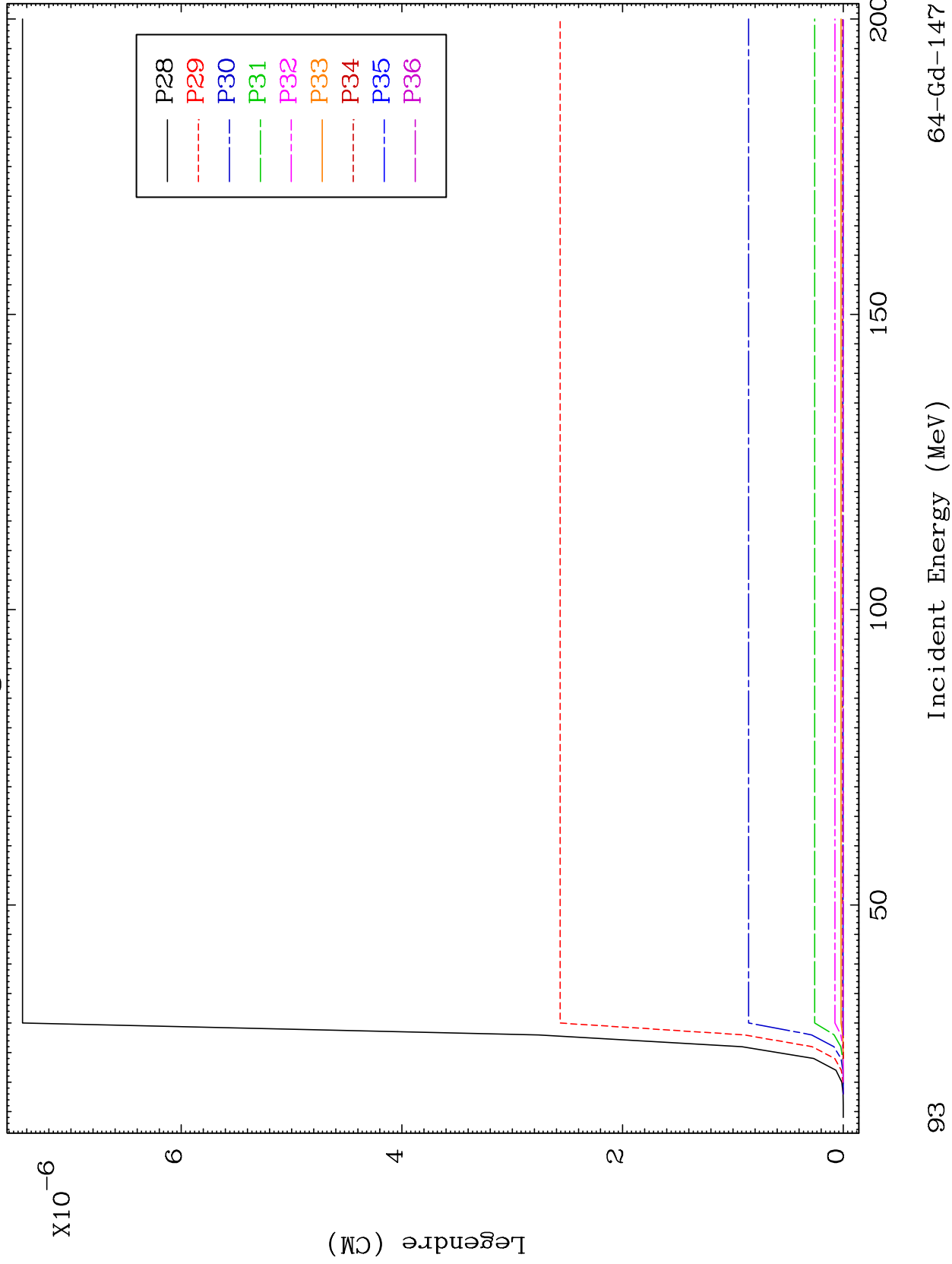
Incident Energy (MeV)

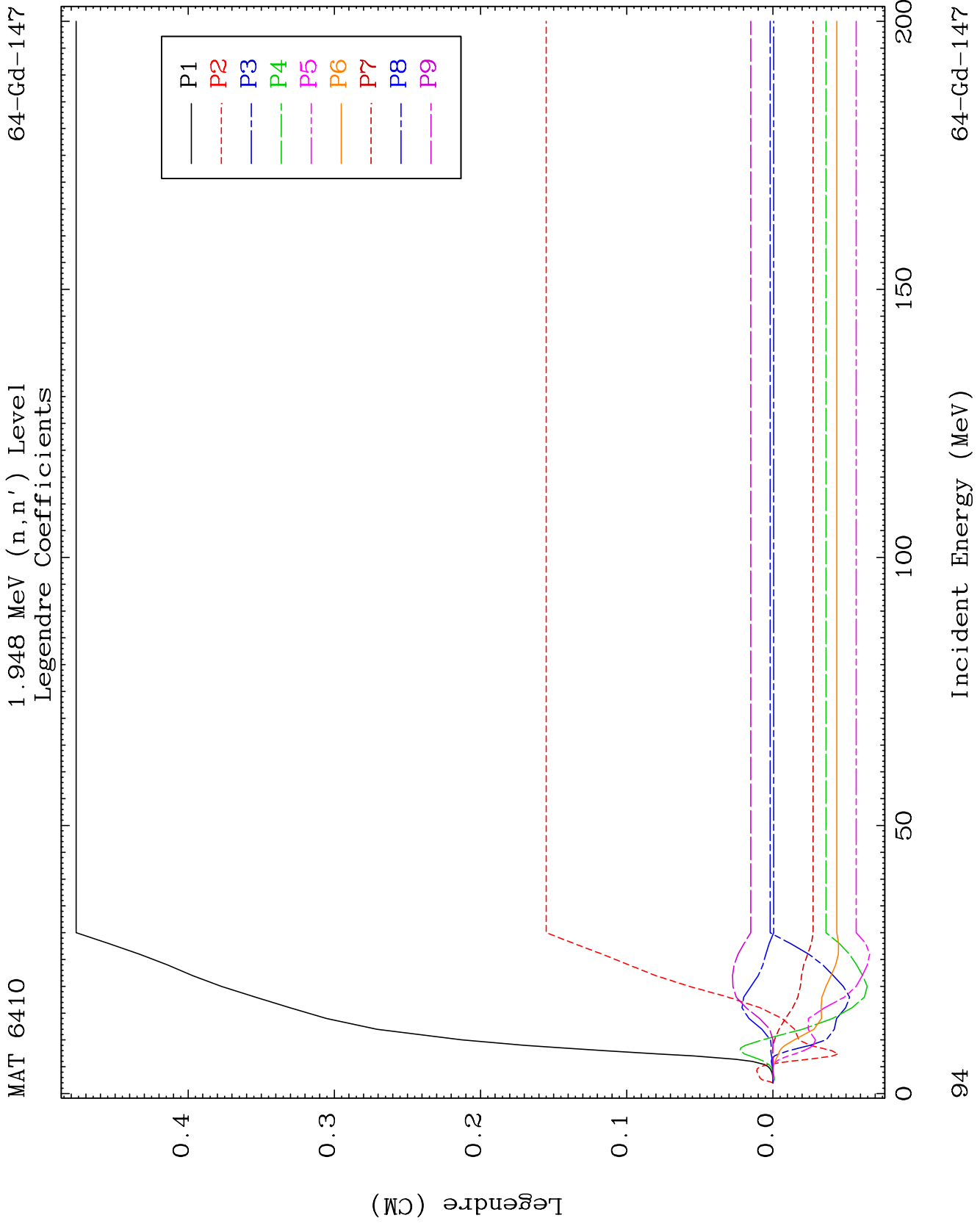
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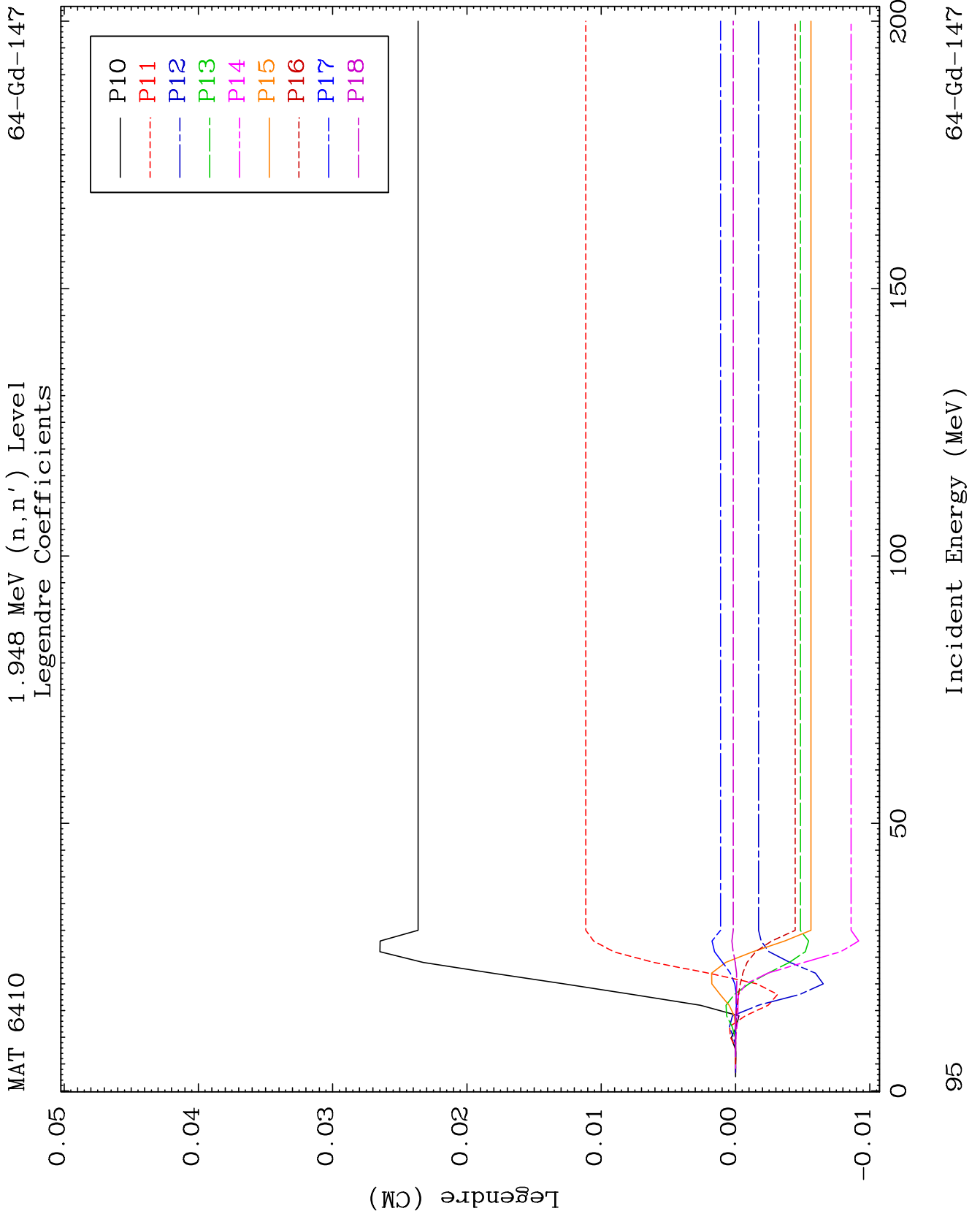
MAT 6410

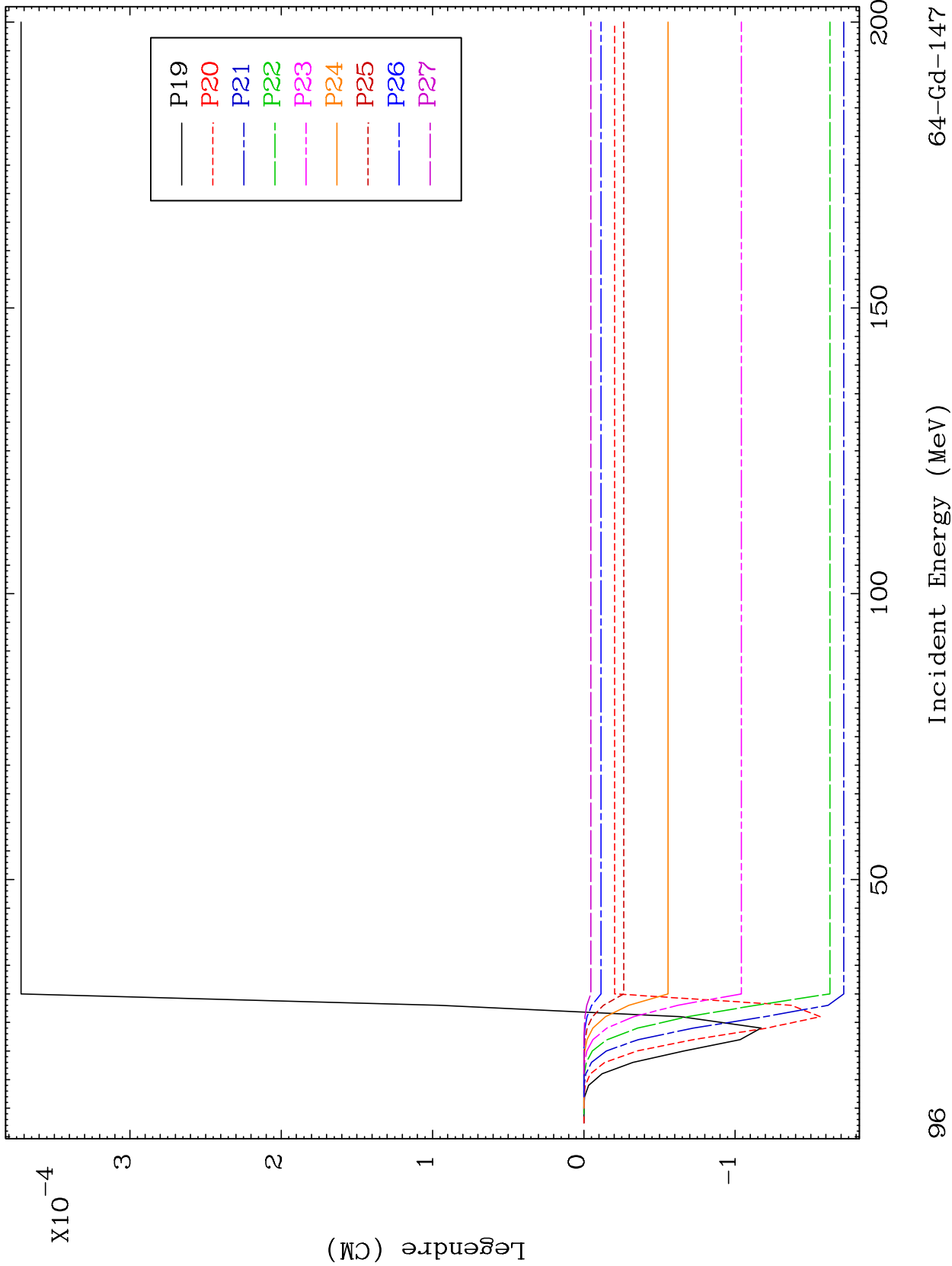
1.944 MeV (n, n') Level
Legendre Coefficients

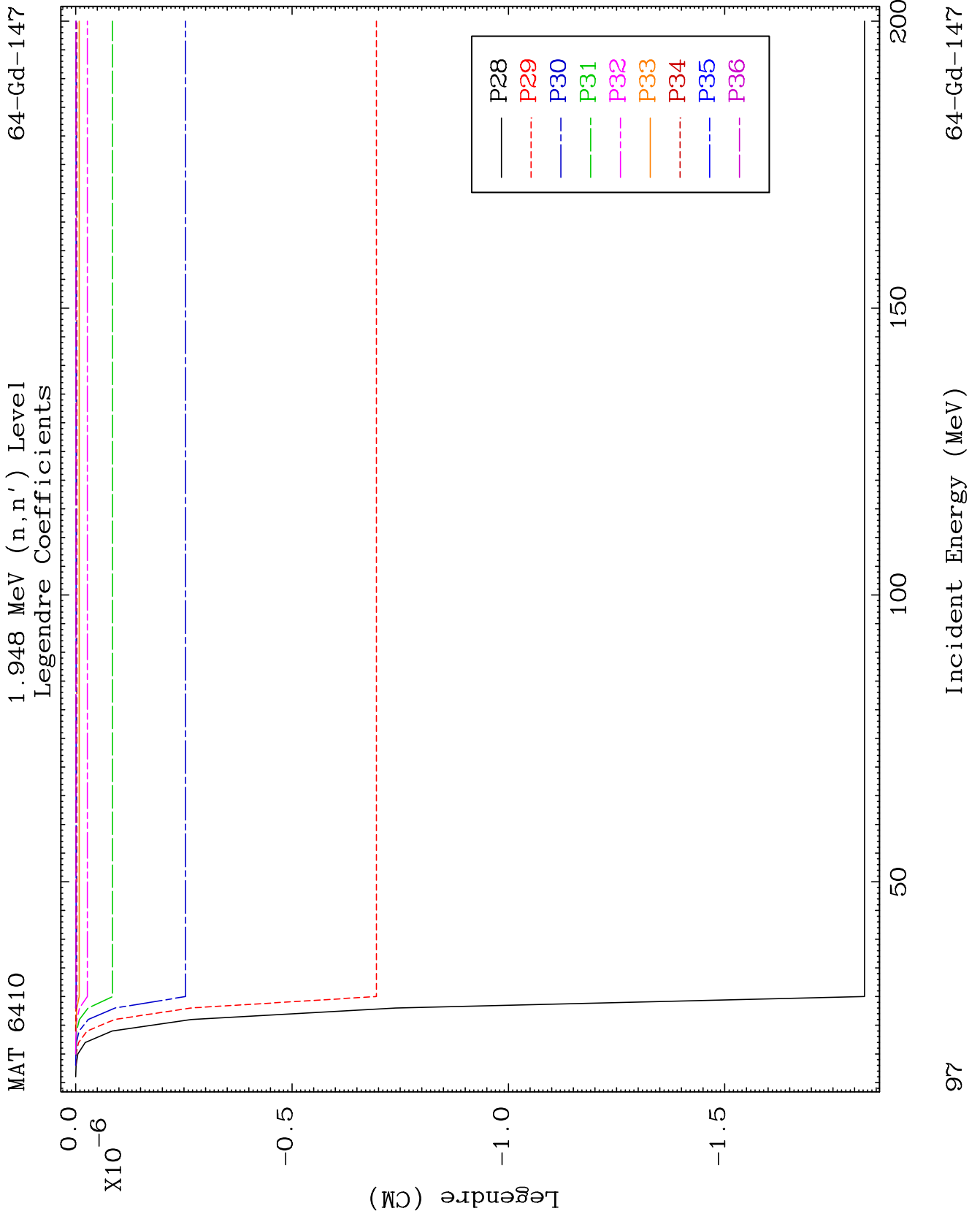
64-Gd-147

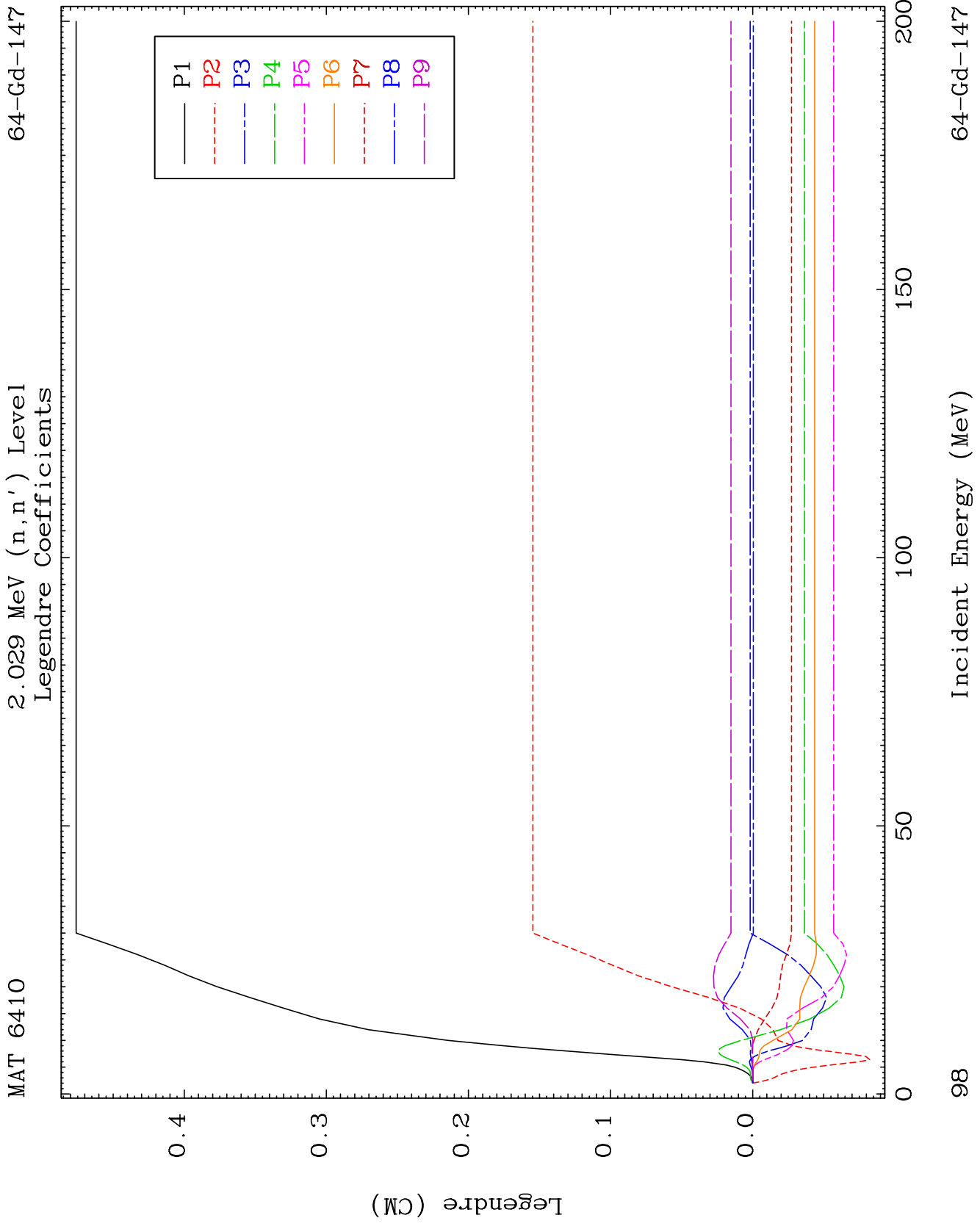


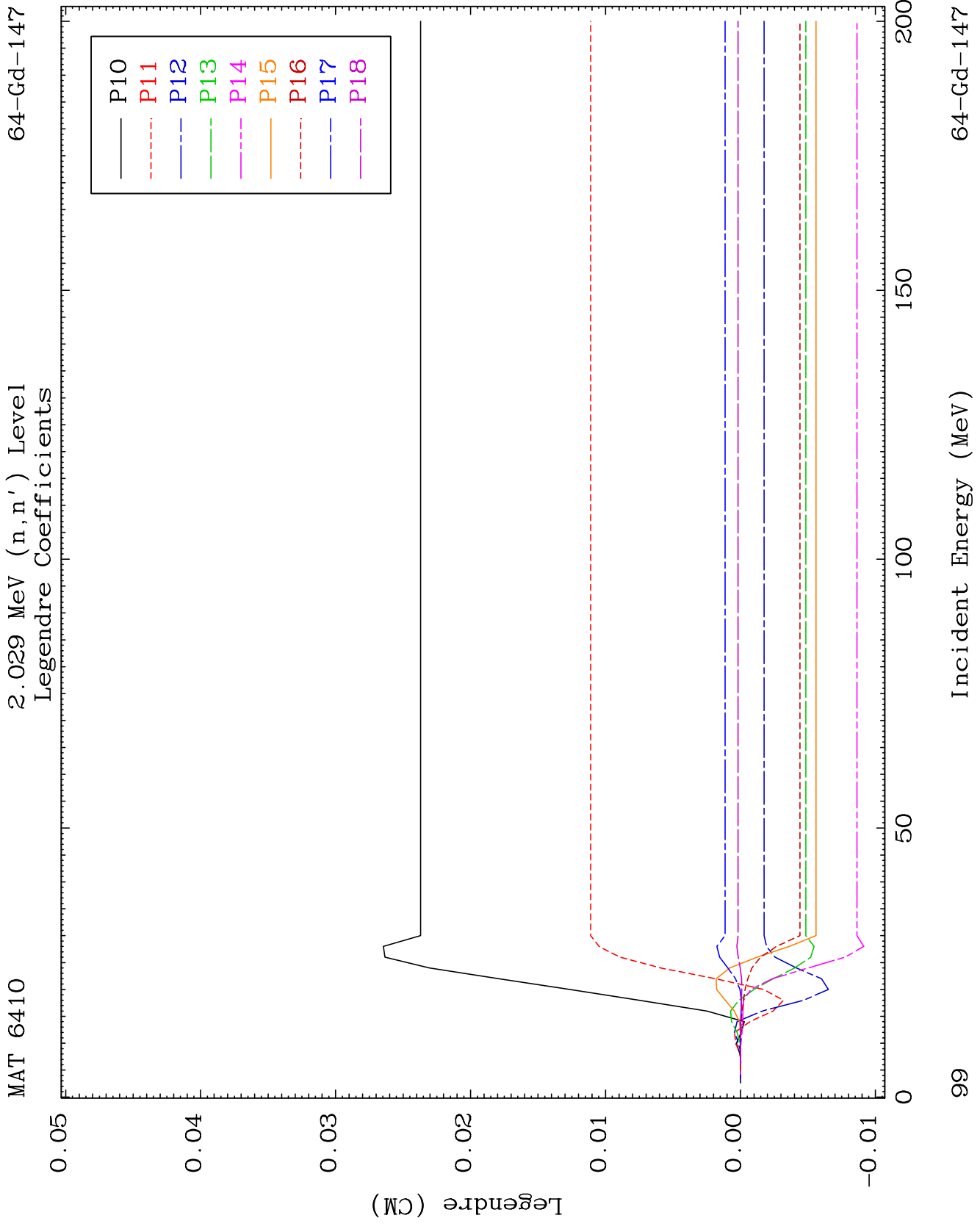








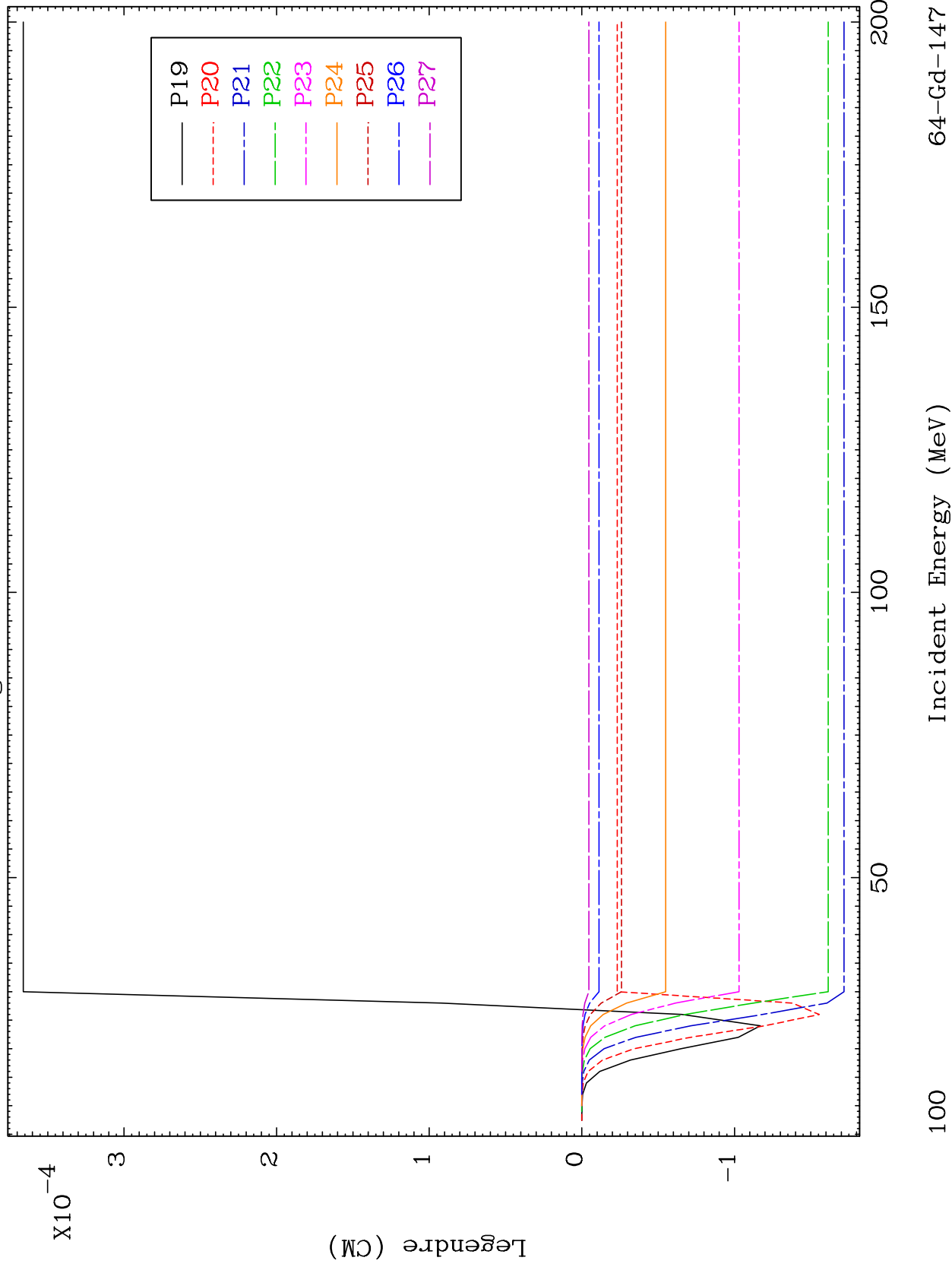


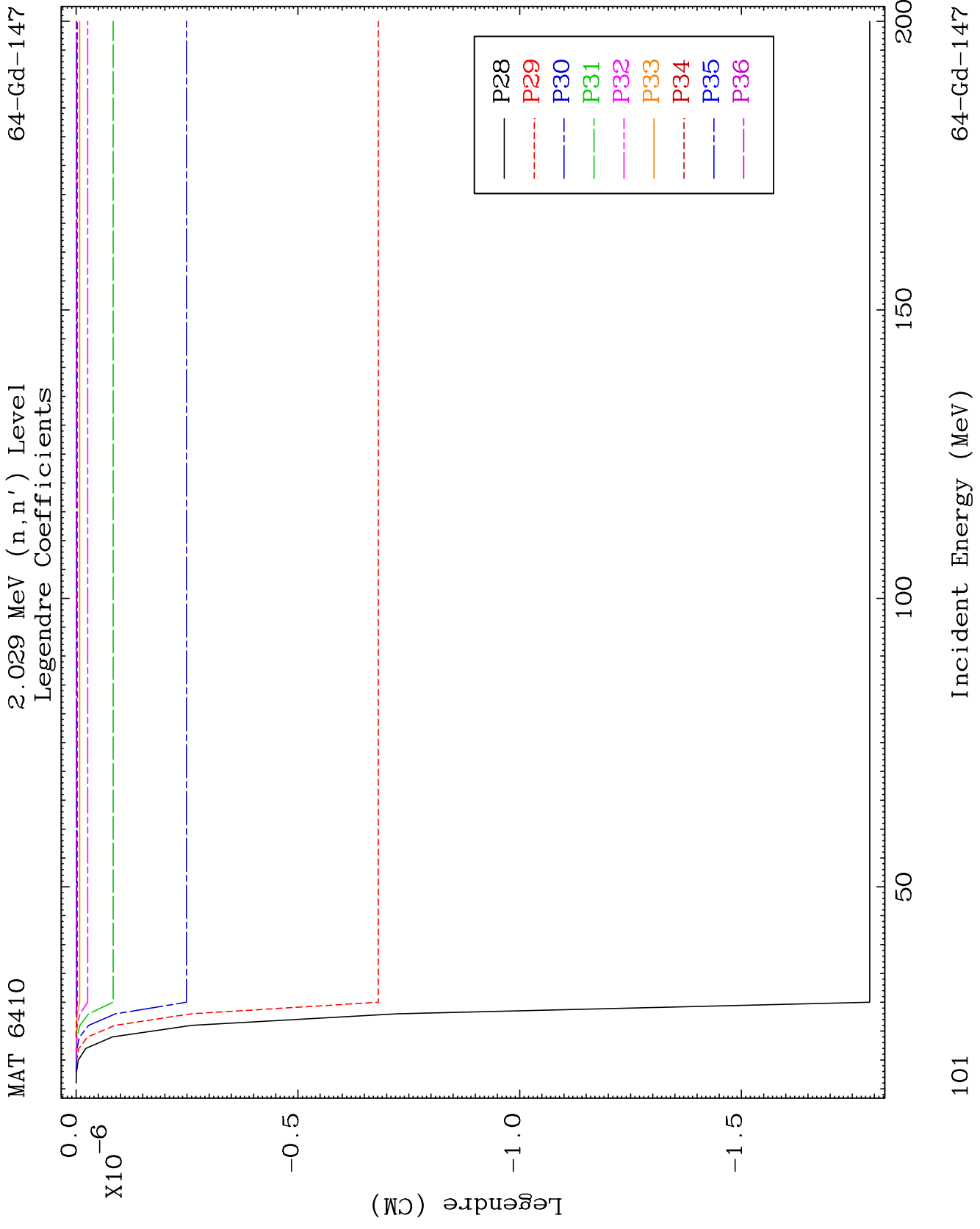


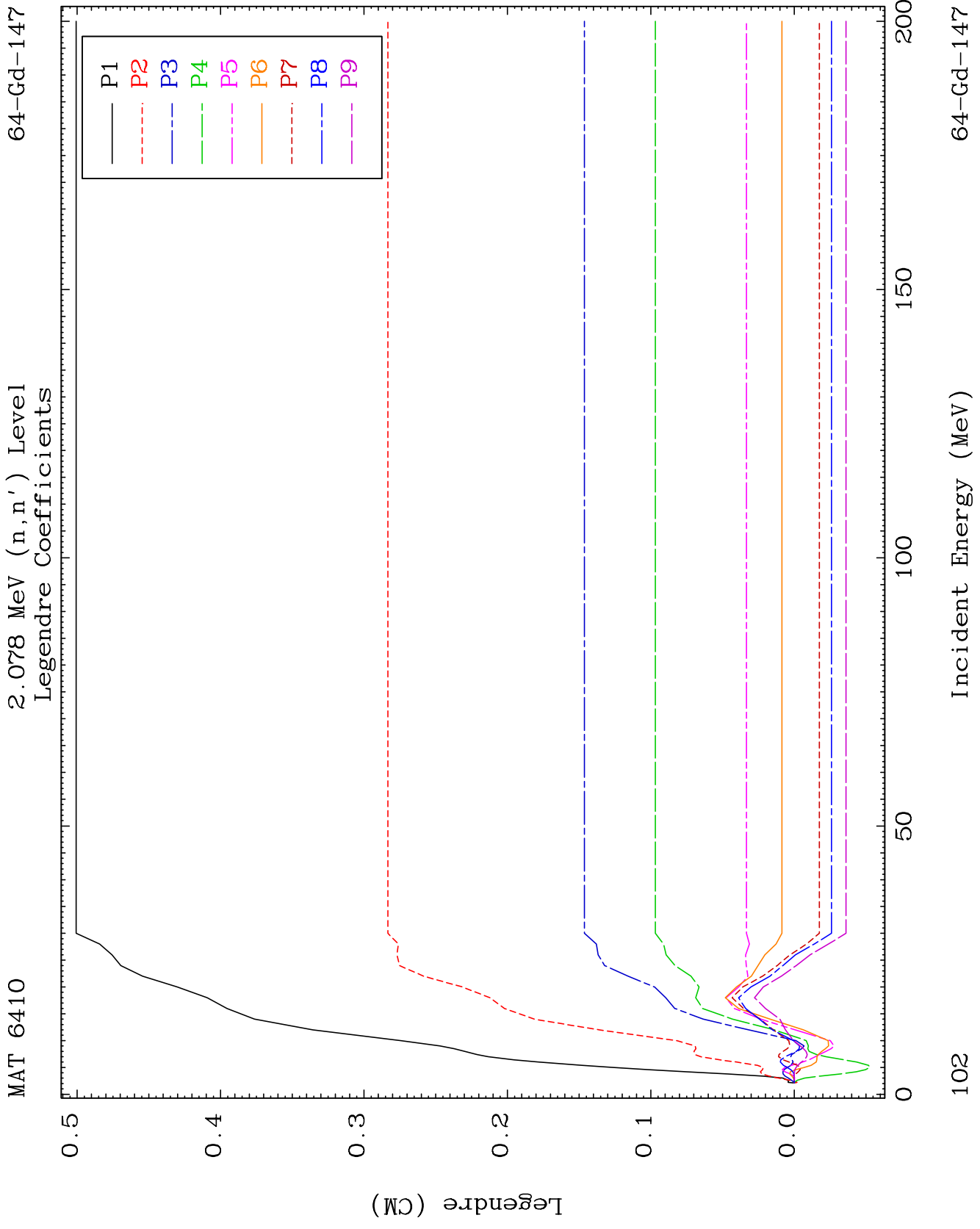
MAT 6410

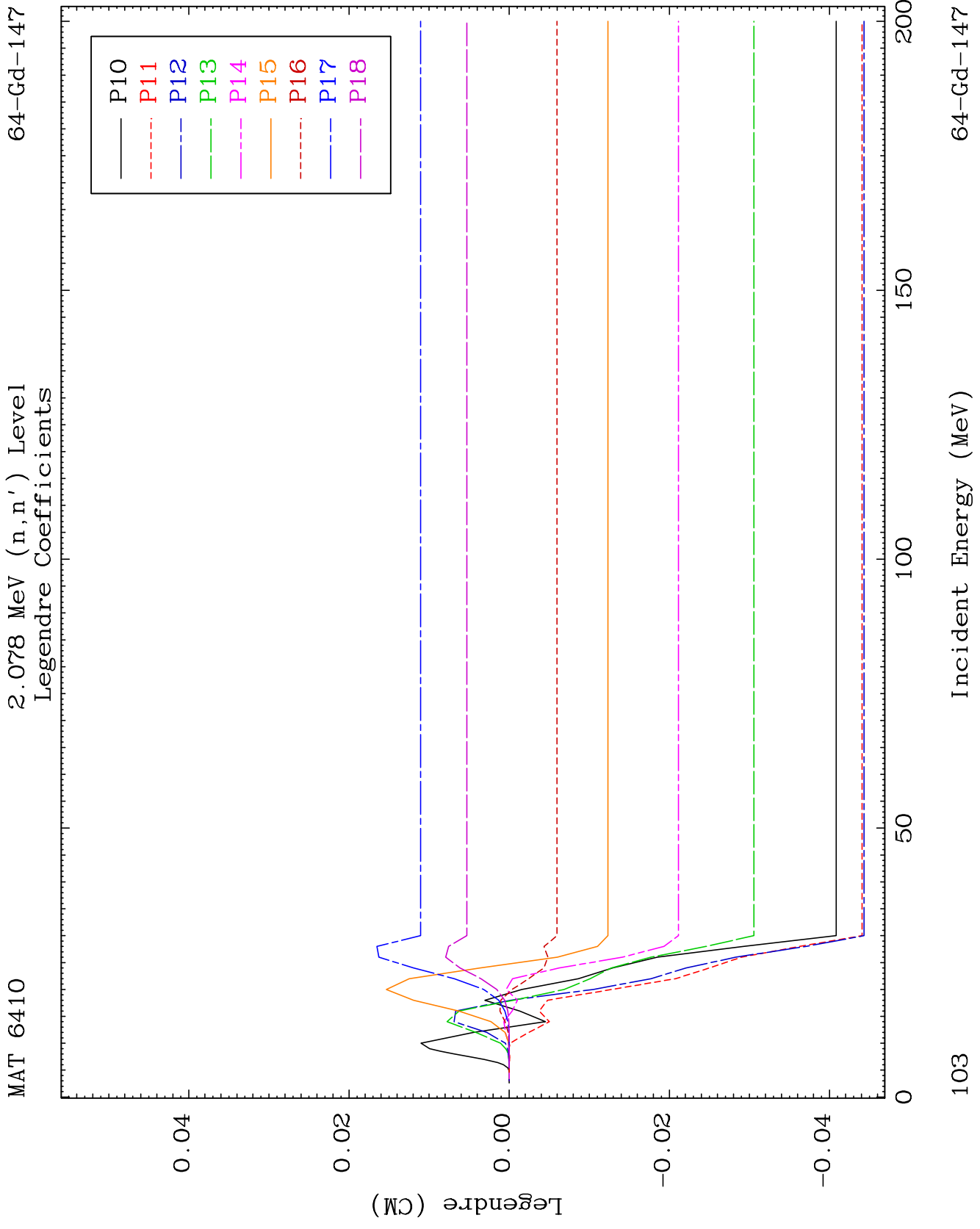
2.029 MeV (n, n') Level
Legendre Coefficients

64-Gd-147





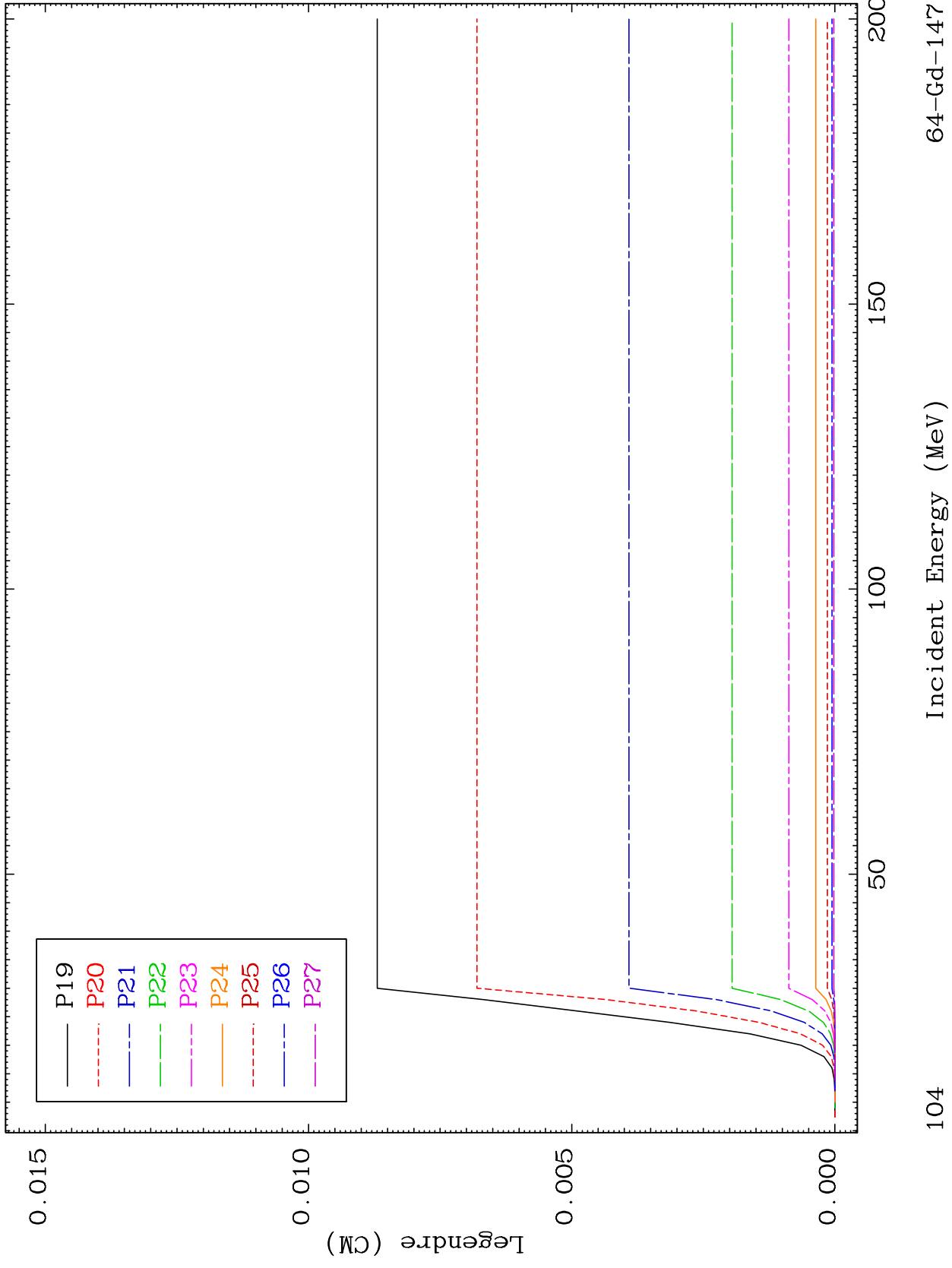




MAT 6410

2.078 MeV (n,n') Level
Legendre Coefficients

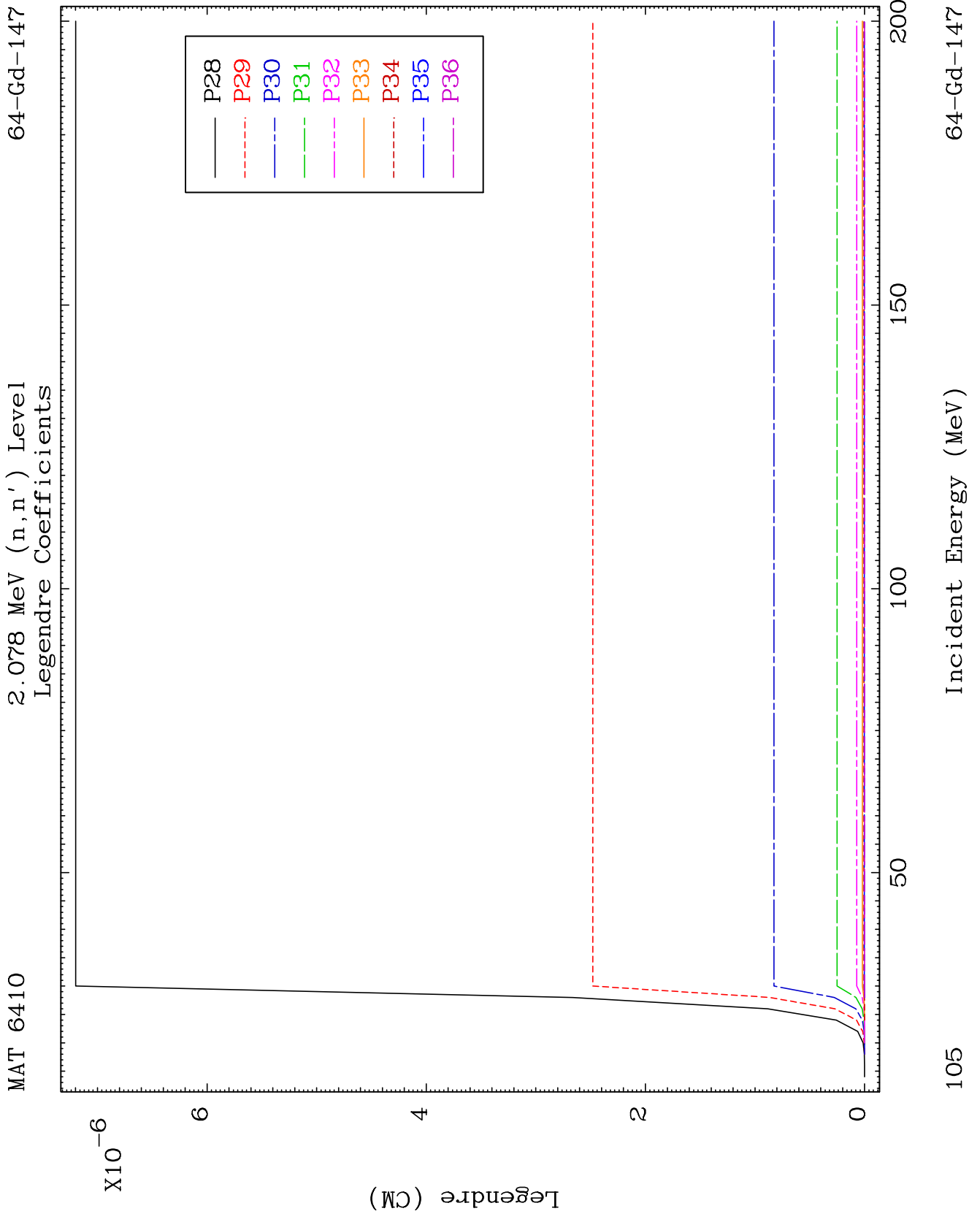
64-Gd-147

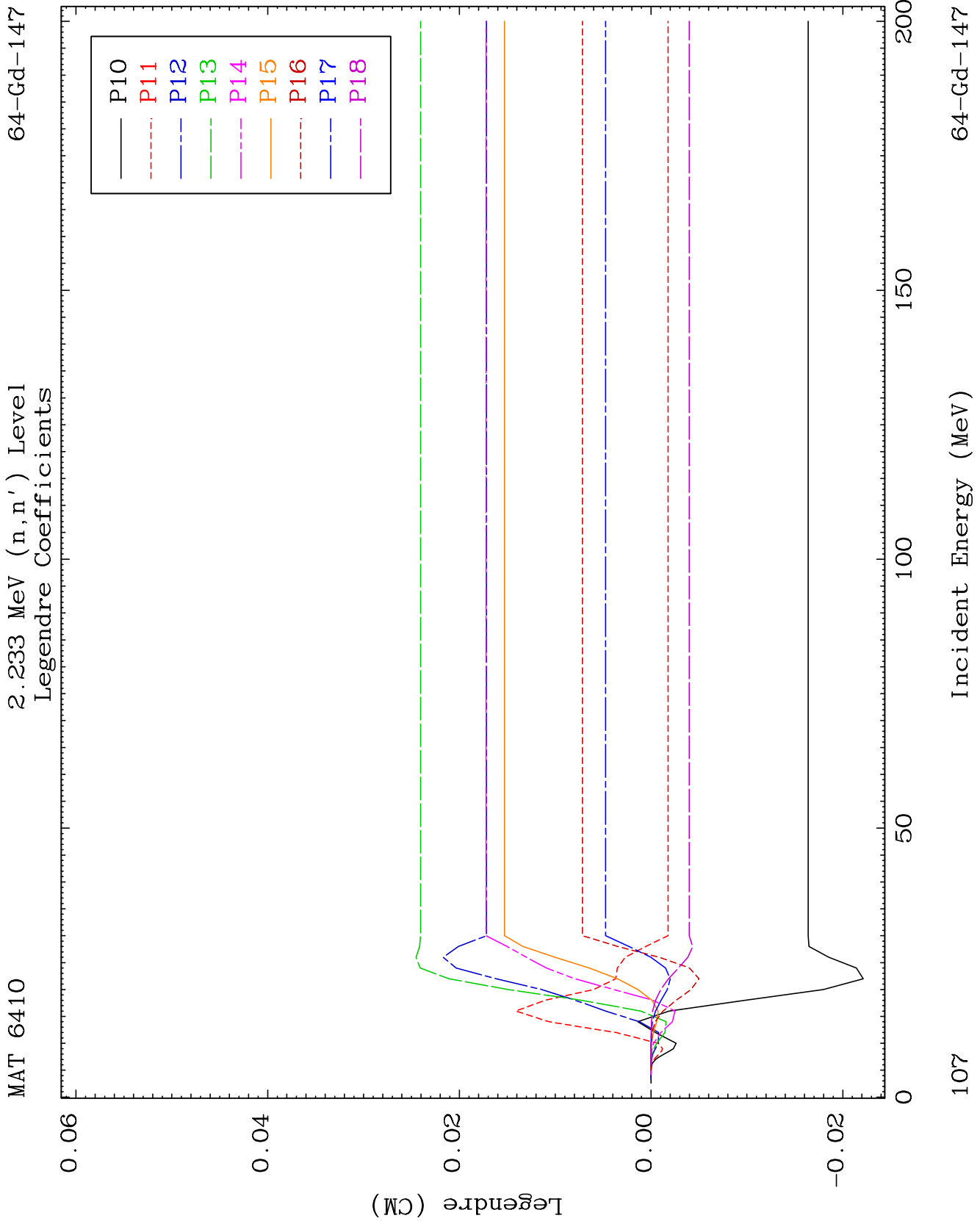


104

Incident Energy (MeV)

64-Gd-147

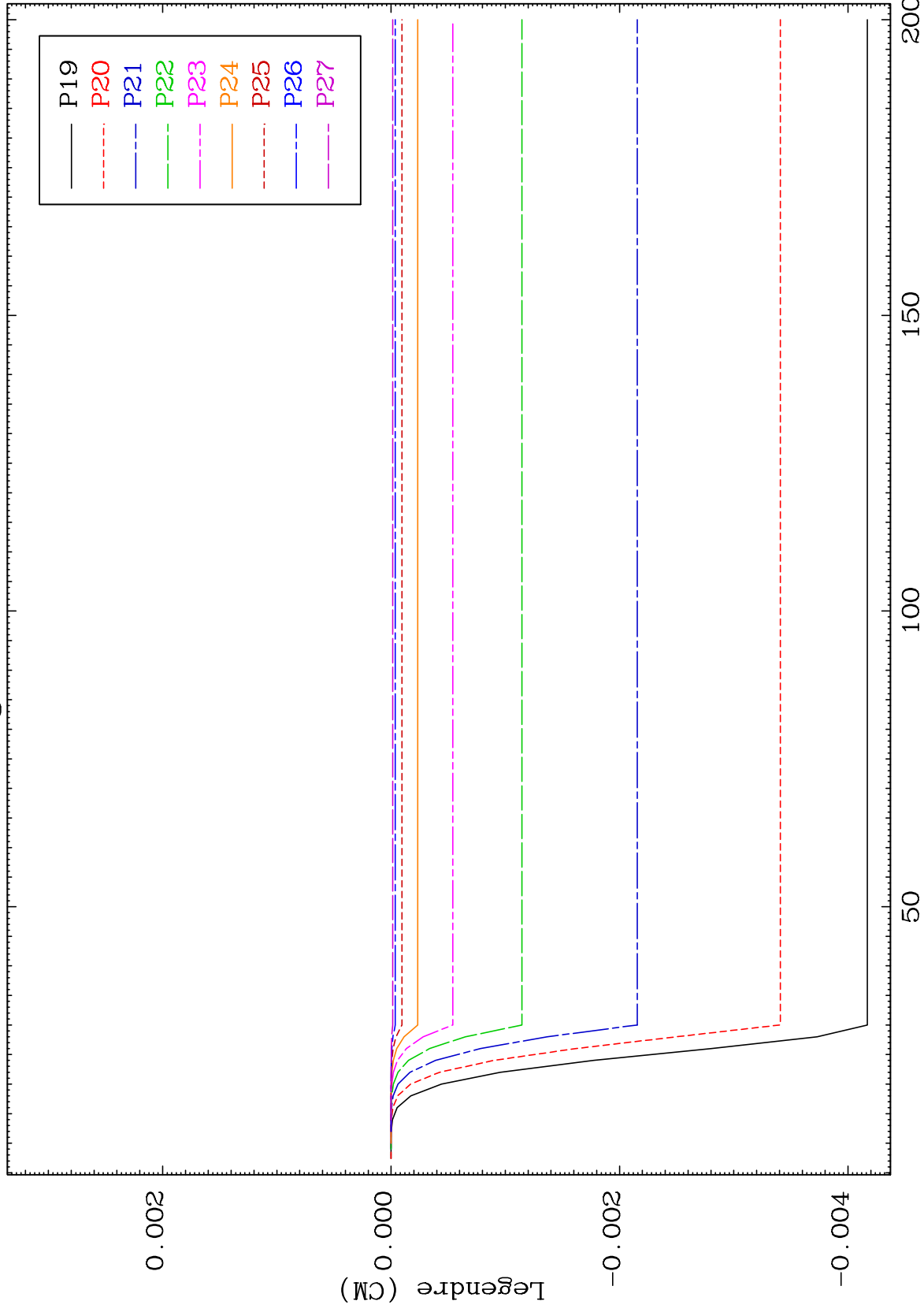




MAT 6410

2.233 MeV (n,n') Level
Legendre Coefficients

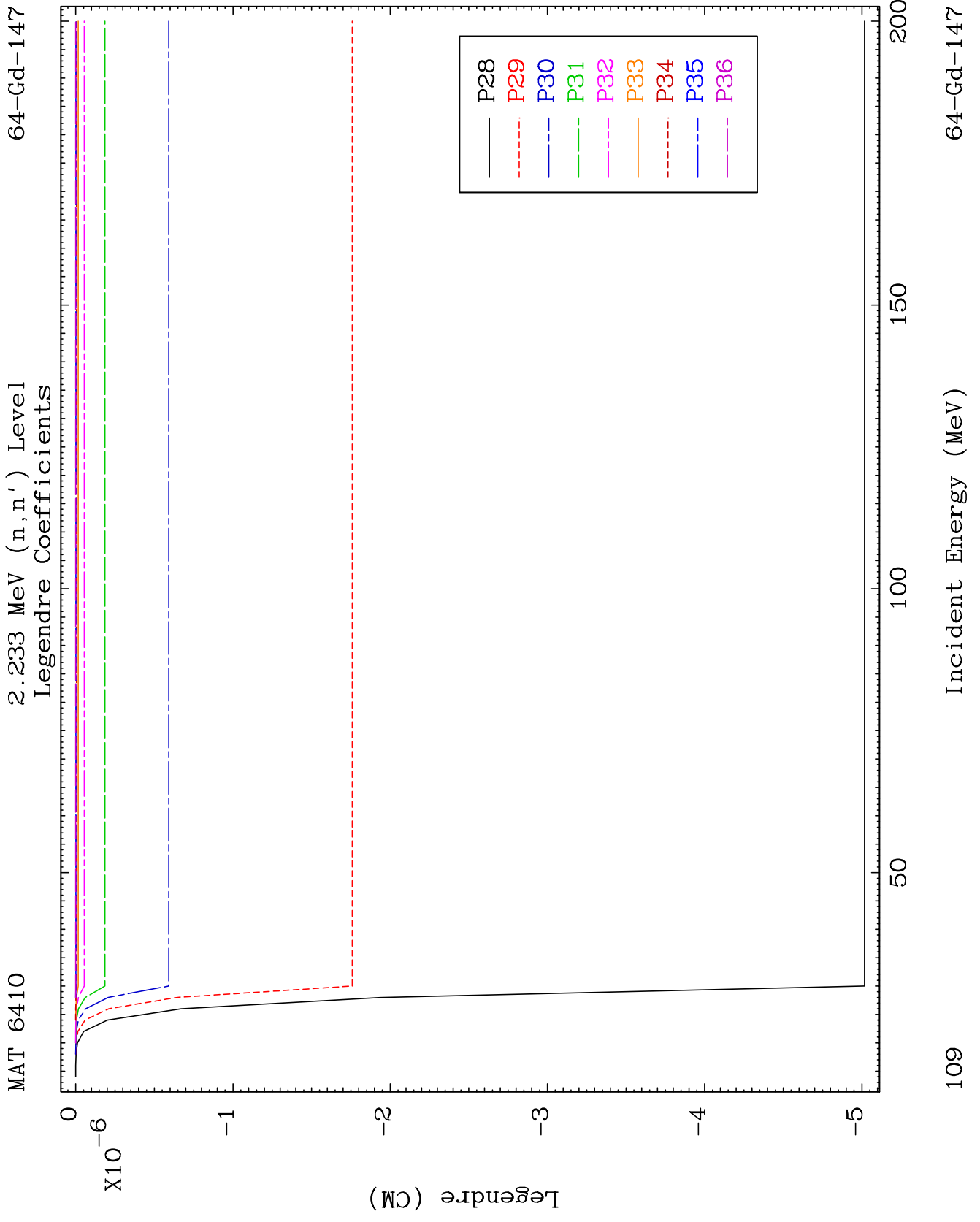
64-Gd-147

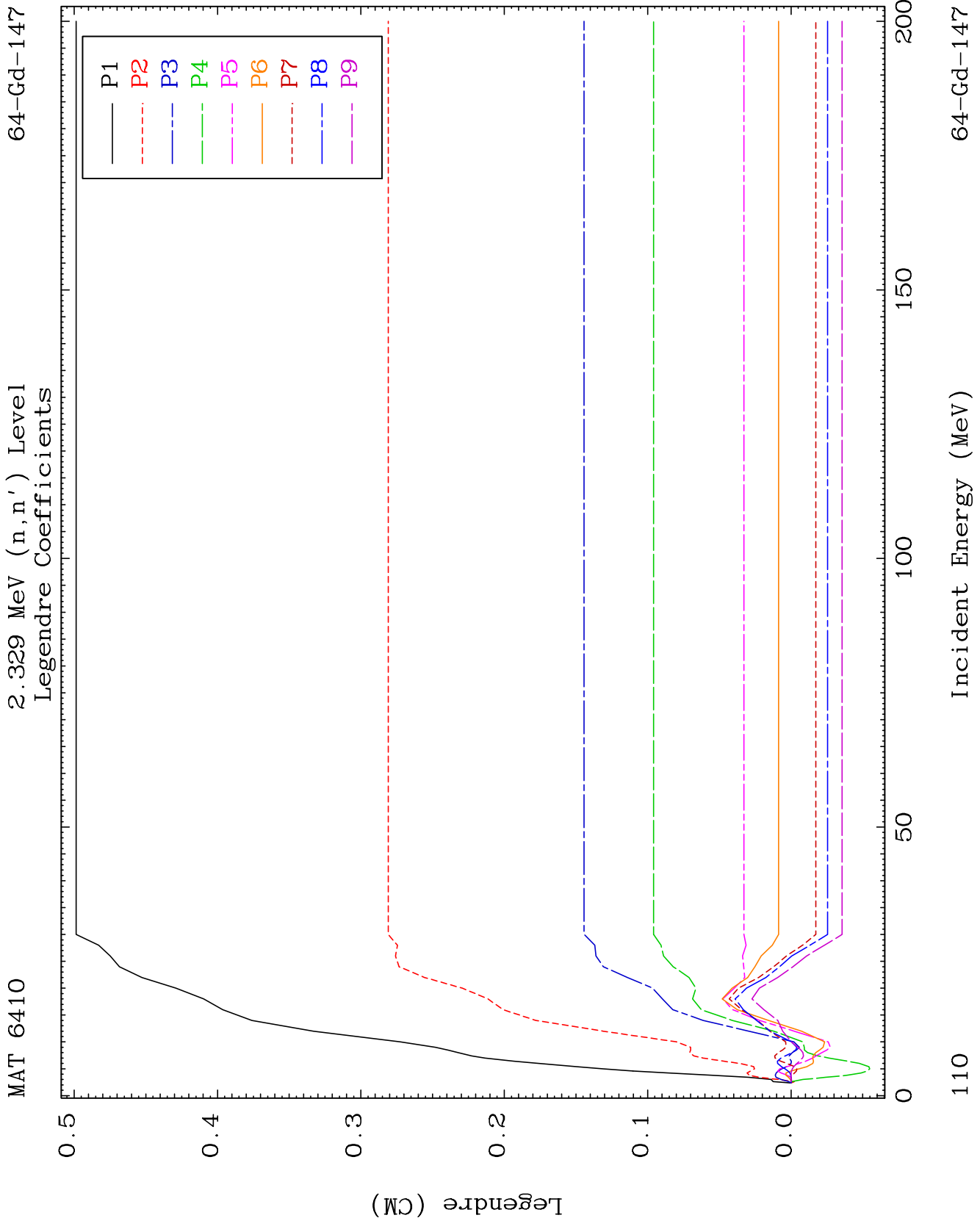


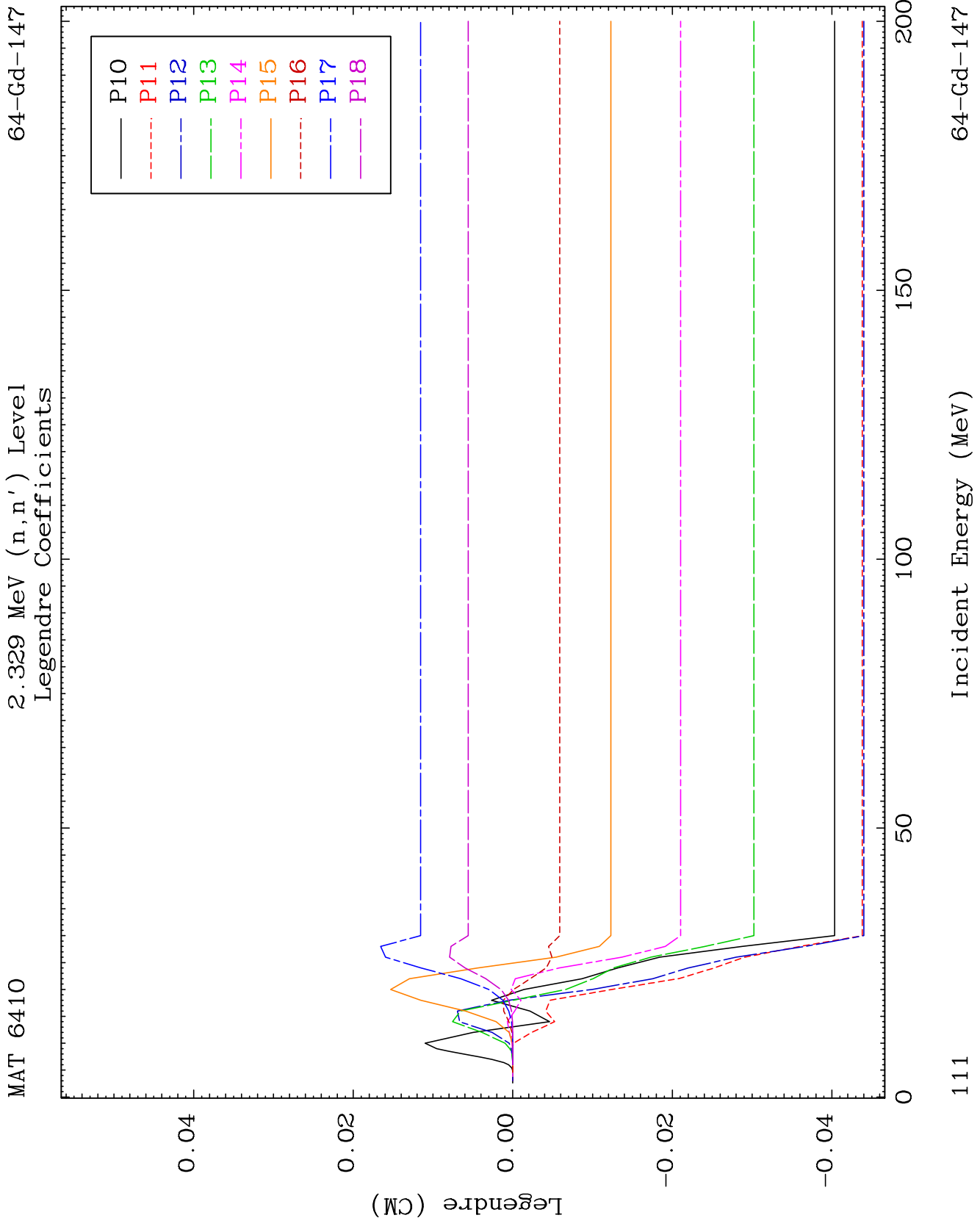
108

Incident Energy (MeV)

64-Gd-147



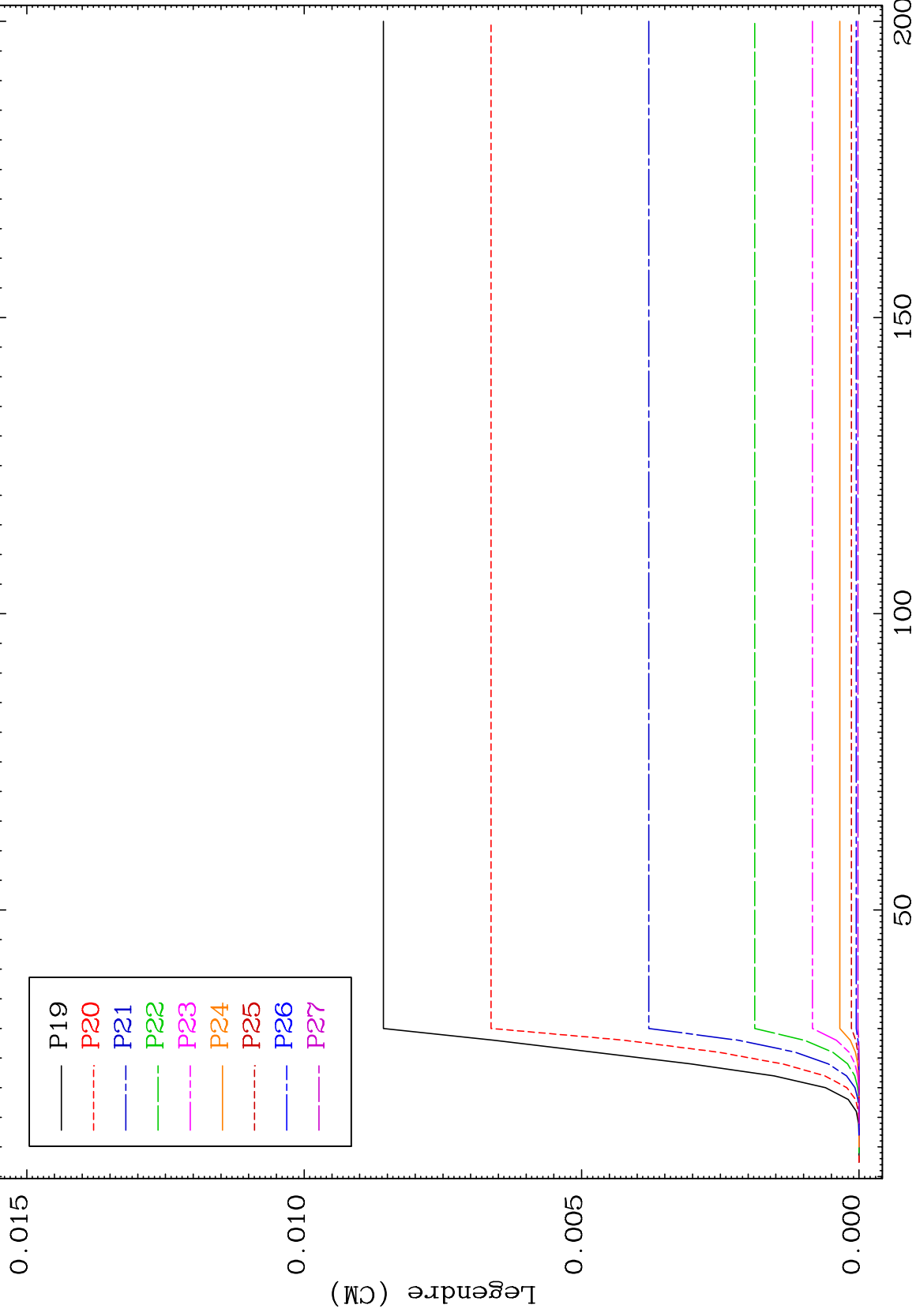




MAT 6410

2.329 MeV (n, n') Level
Legendre Coefficients

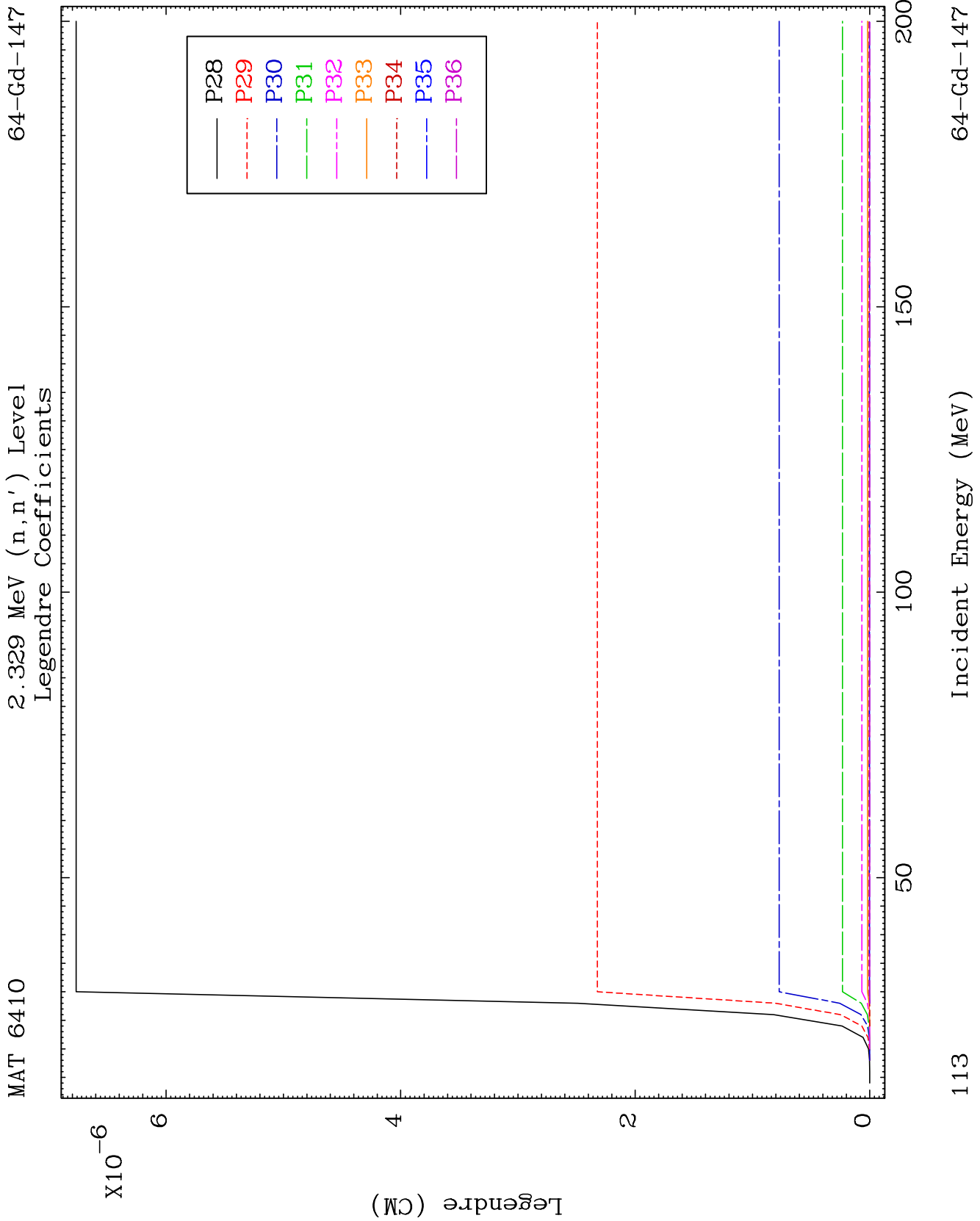
64-Gd-147

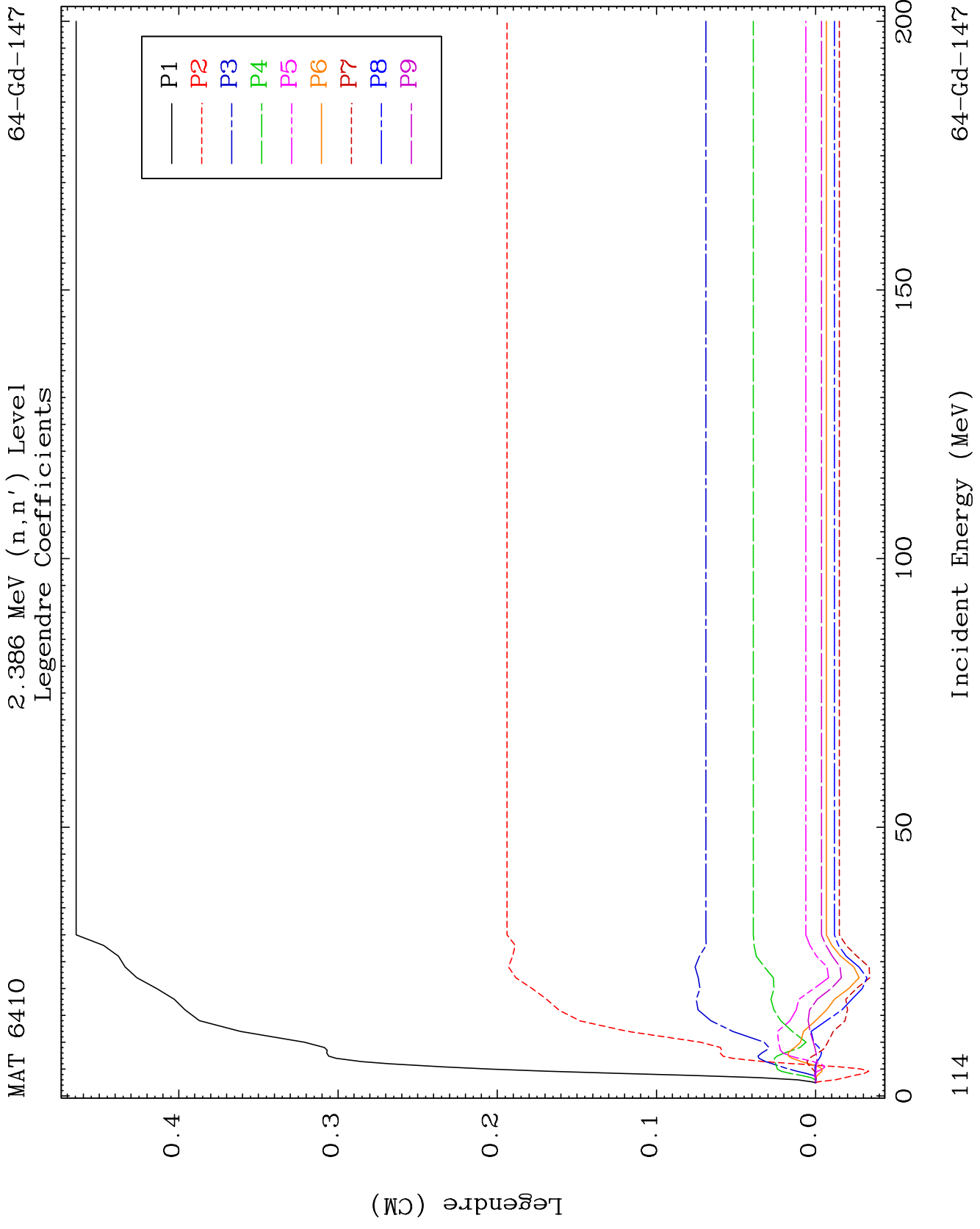


112

Incident Energy (MeV)

64-Gd-147

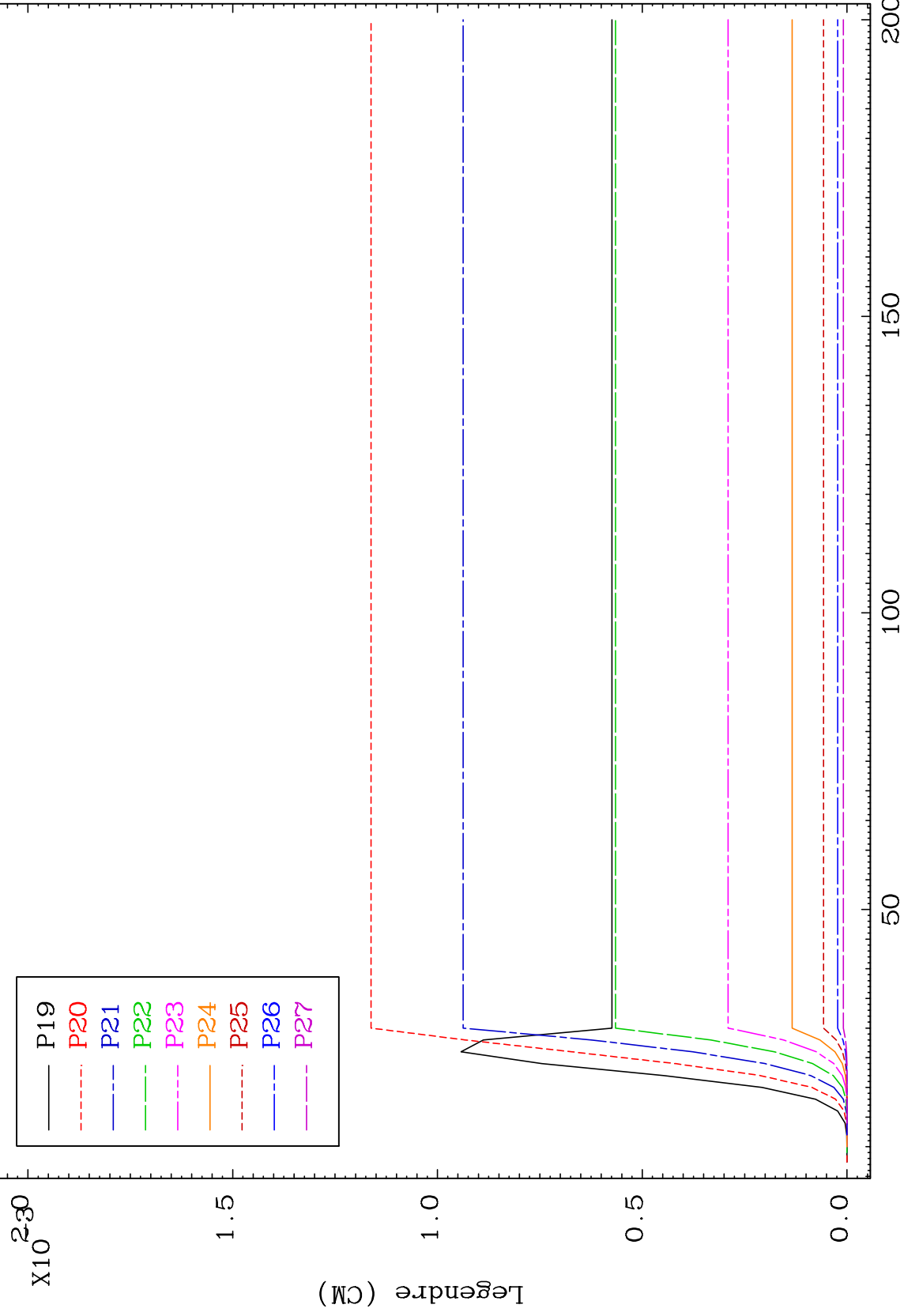




MAT 6410

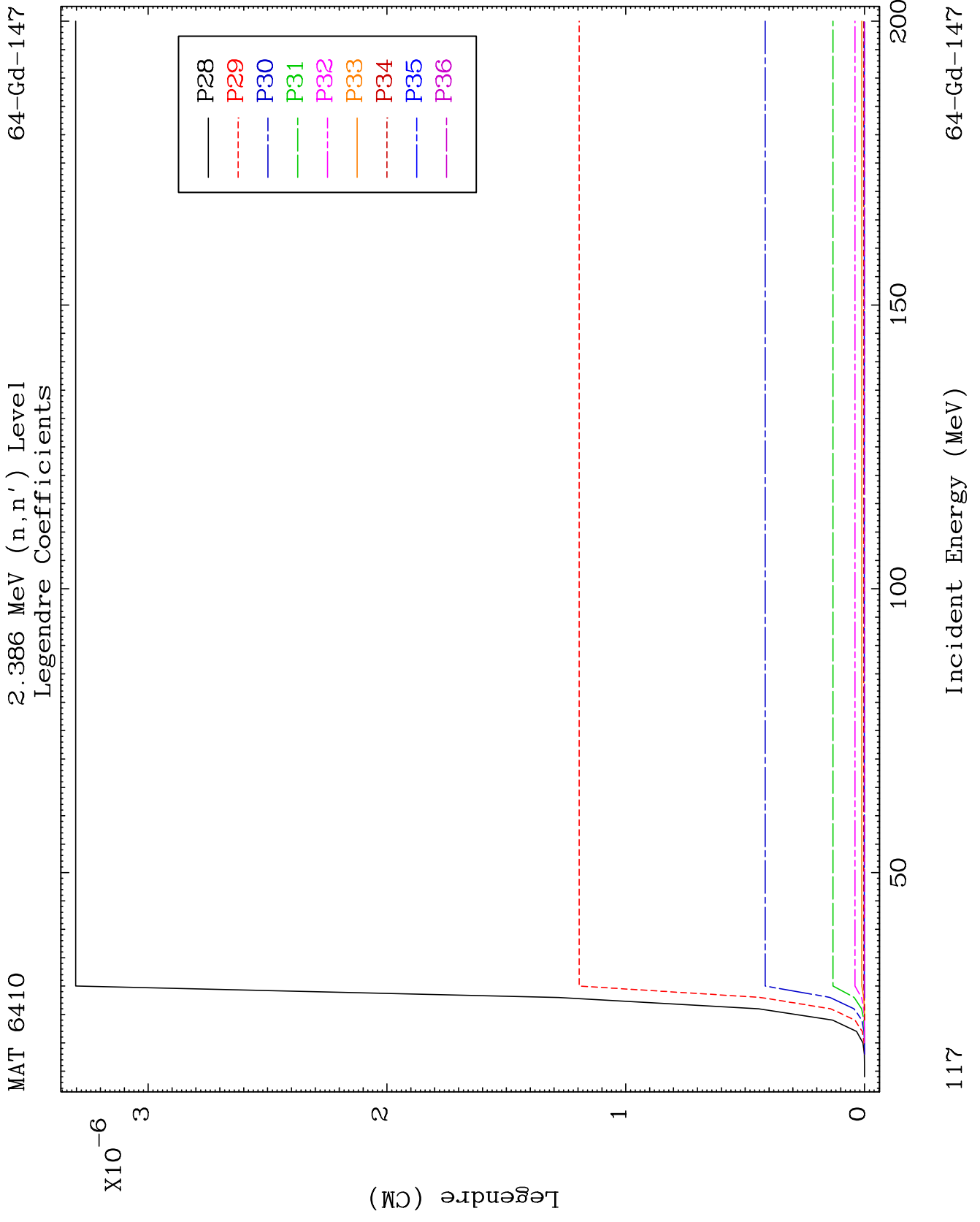
2.386 MeV (n, n') Level
Legendre Coefficients

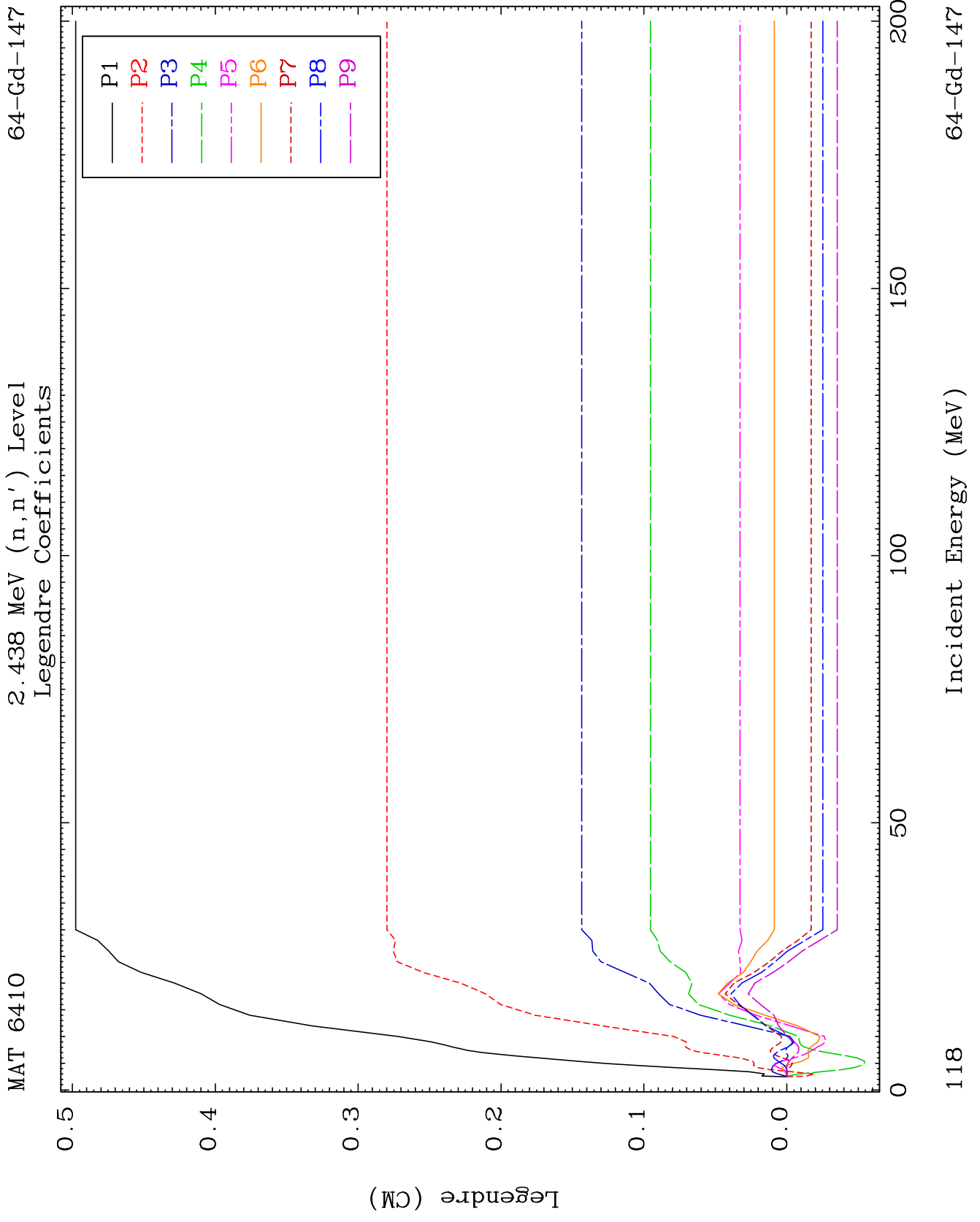
64-Gd-147

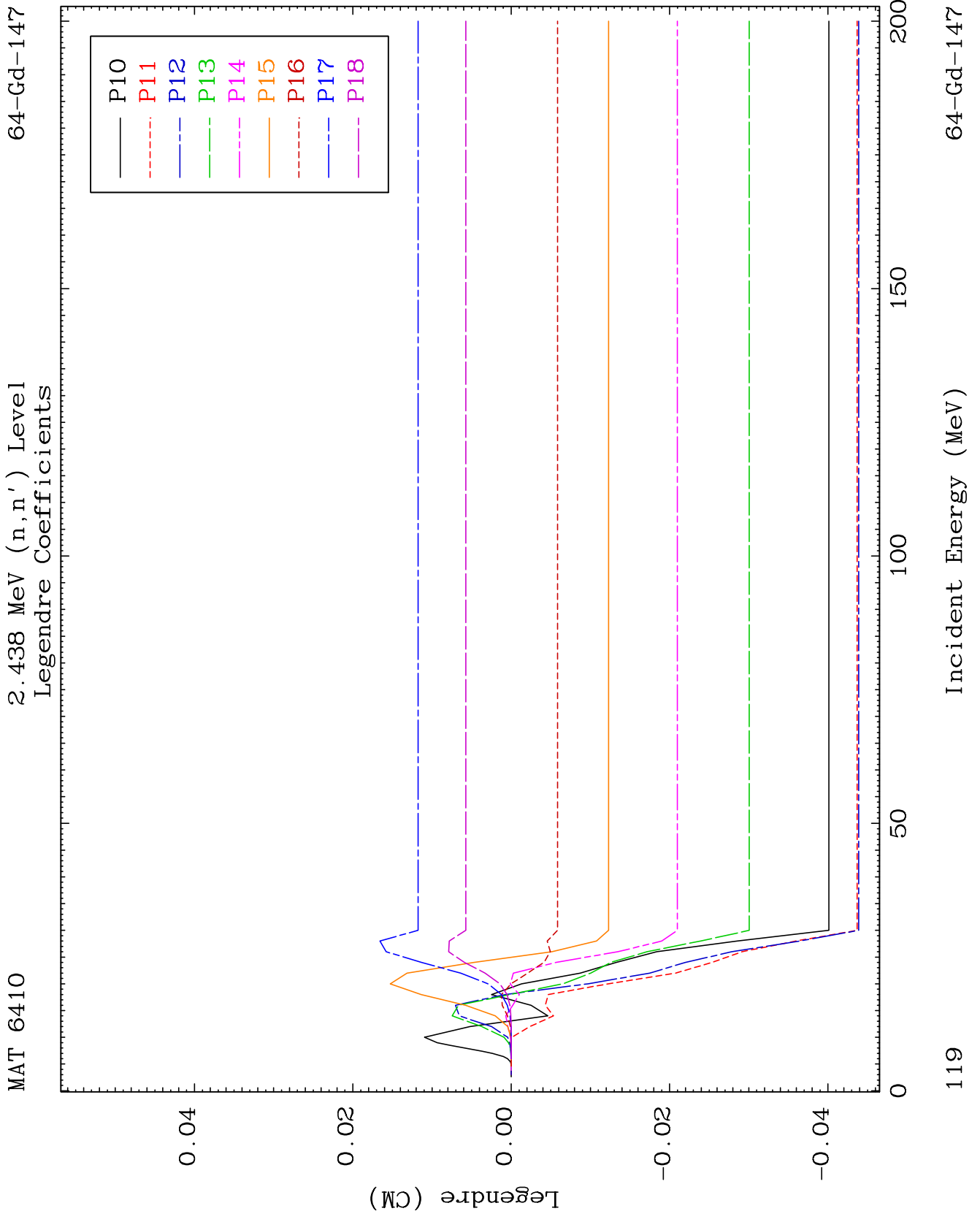


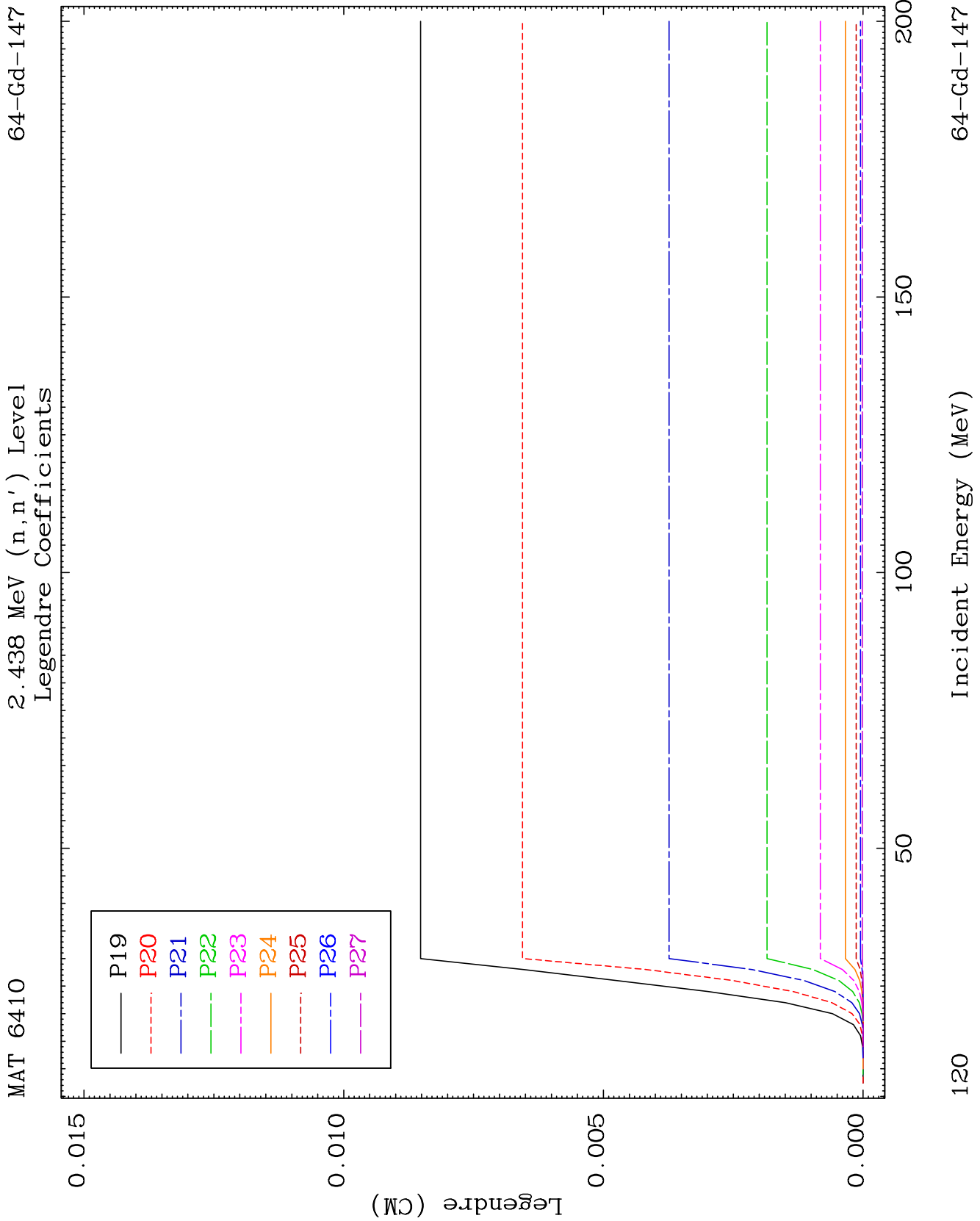
116

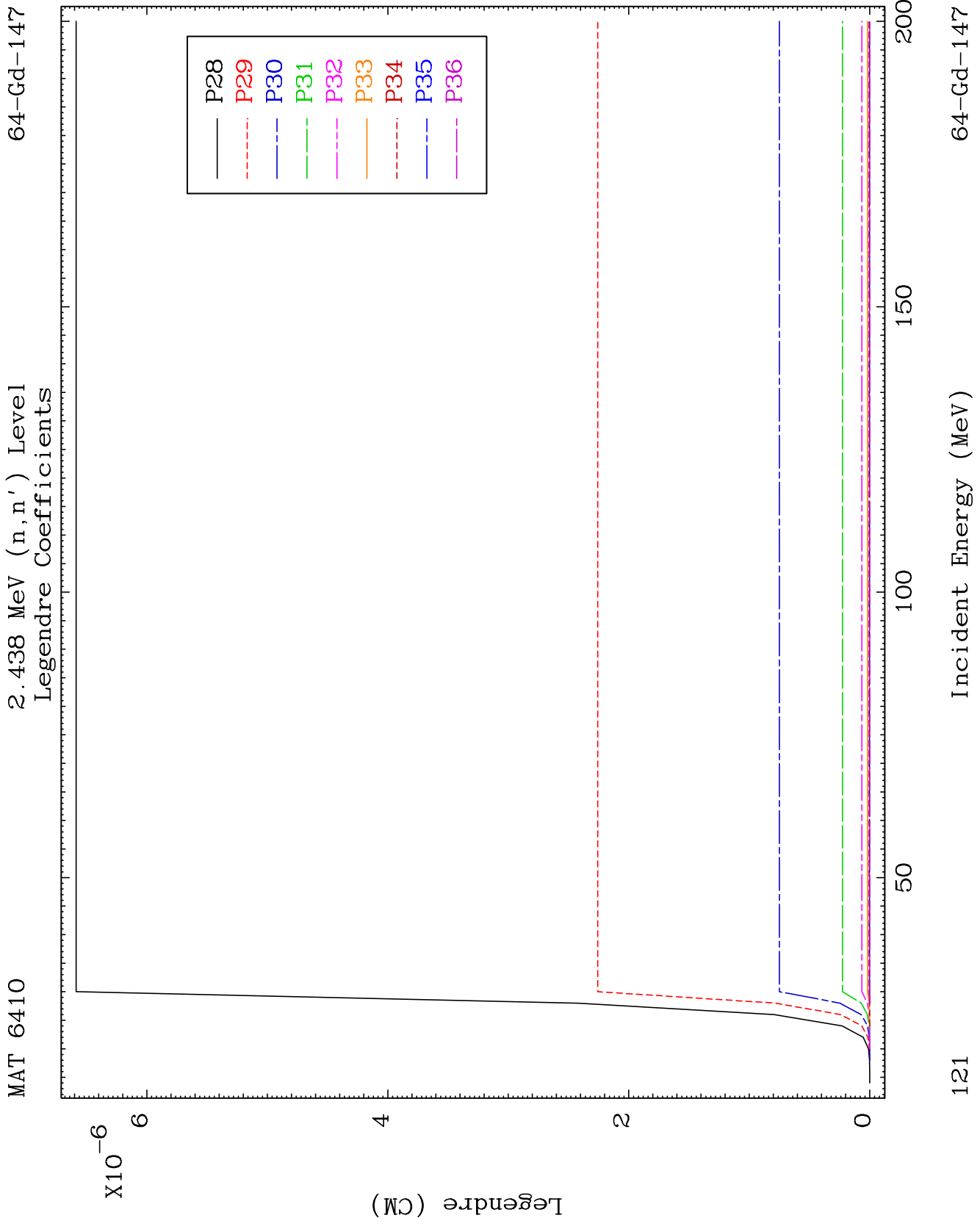
64-Gd-147

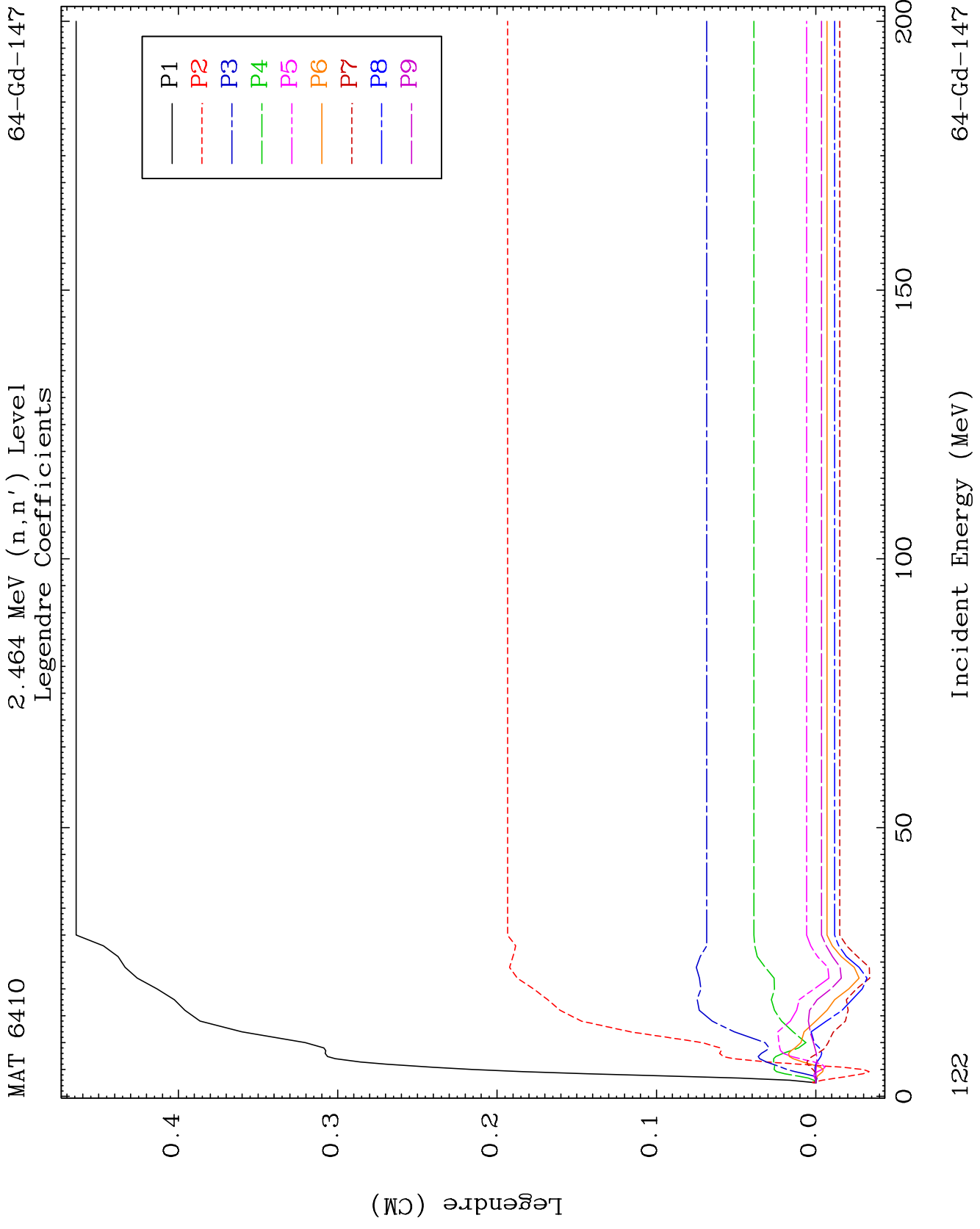


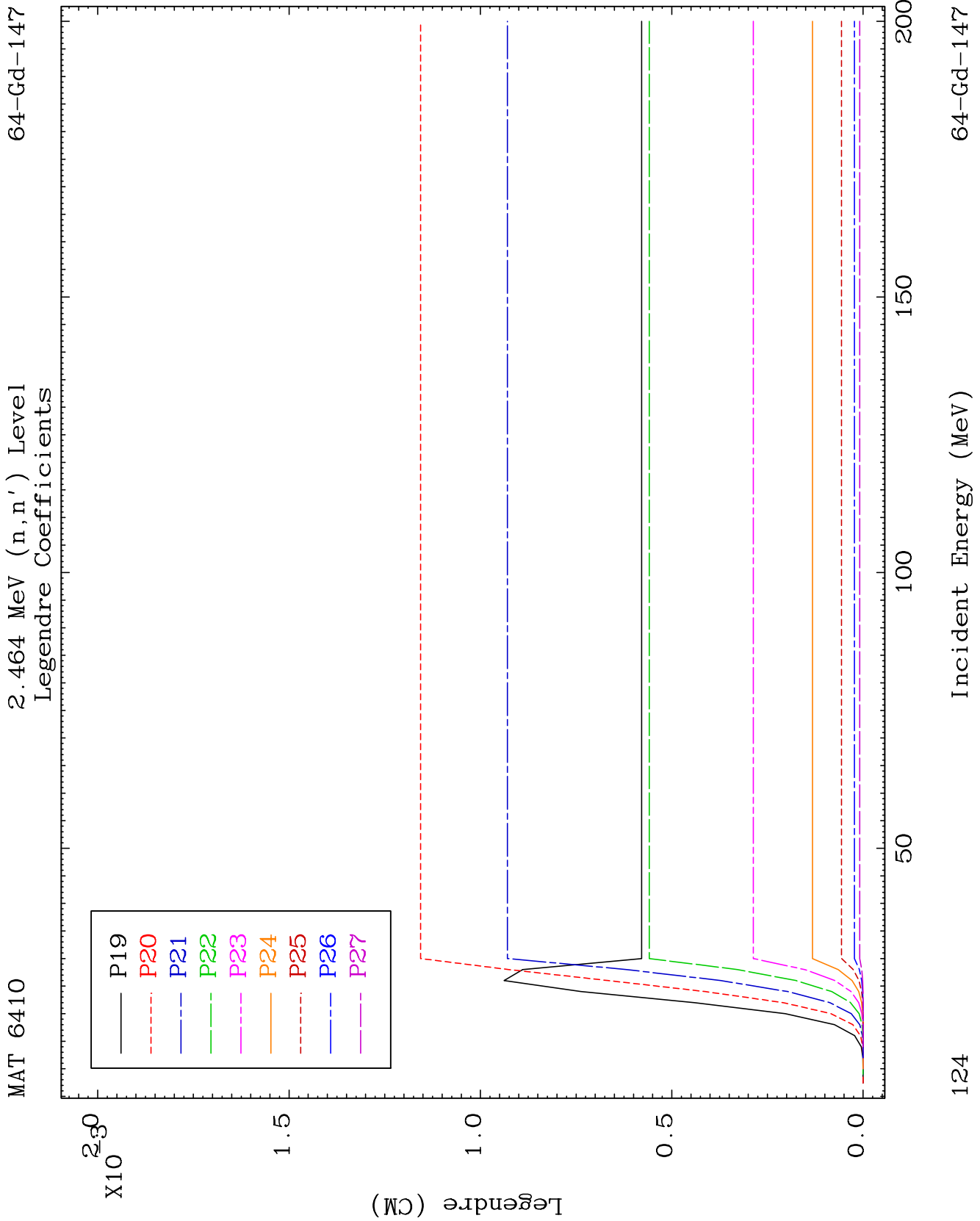


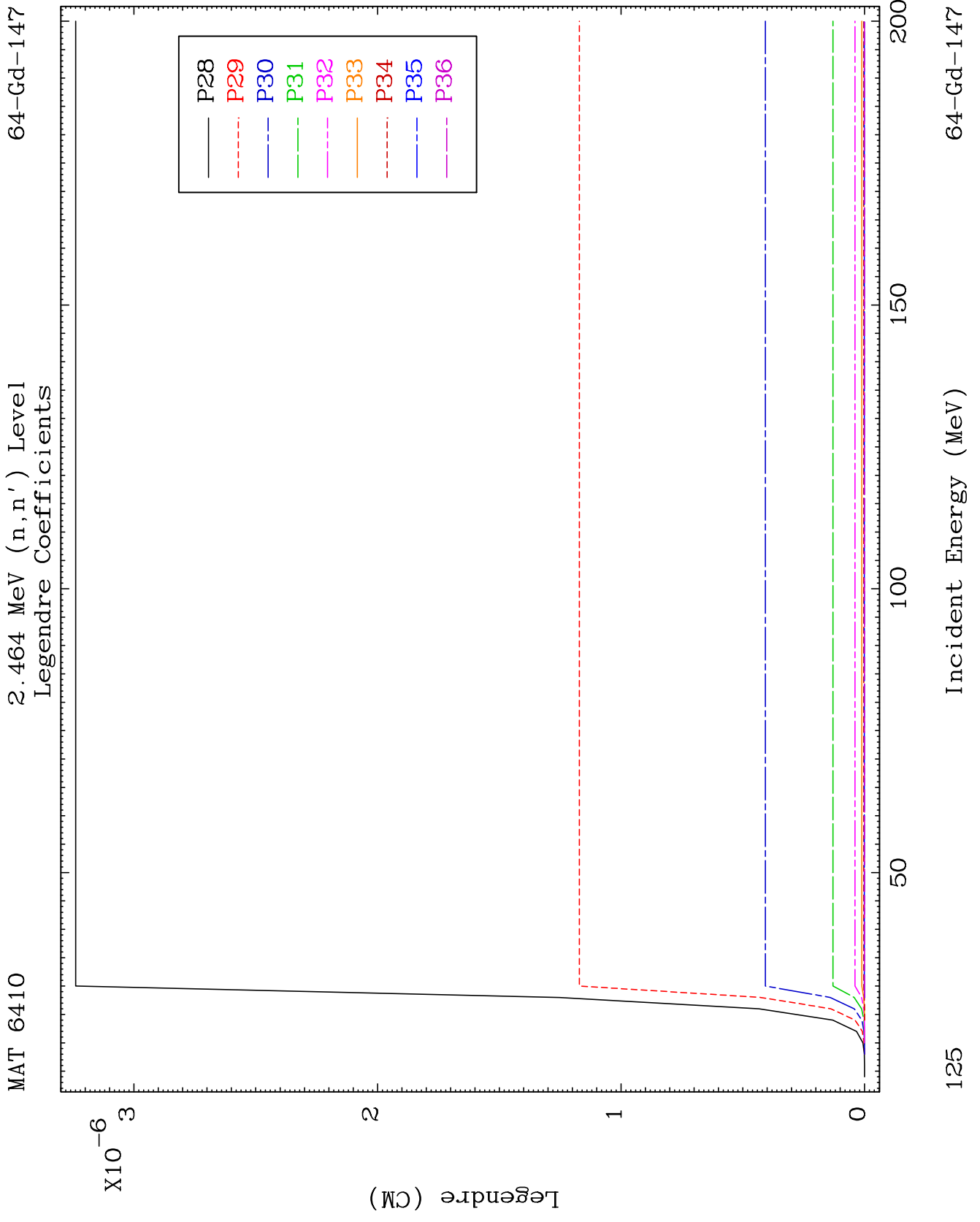


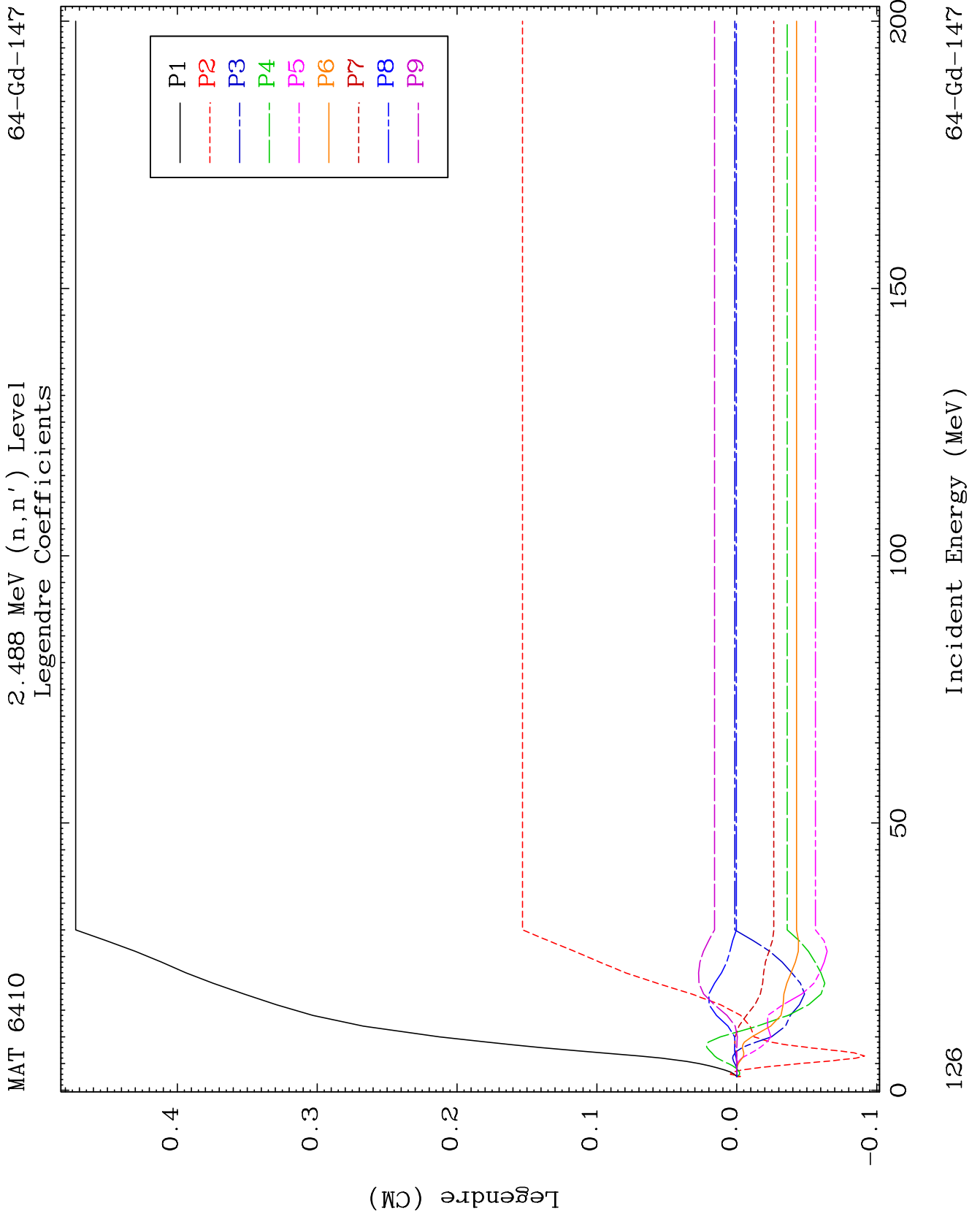


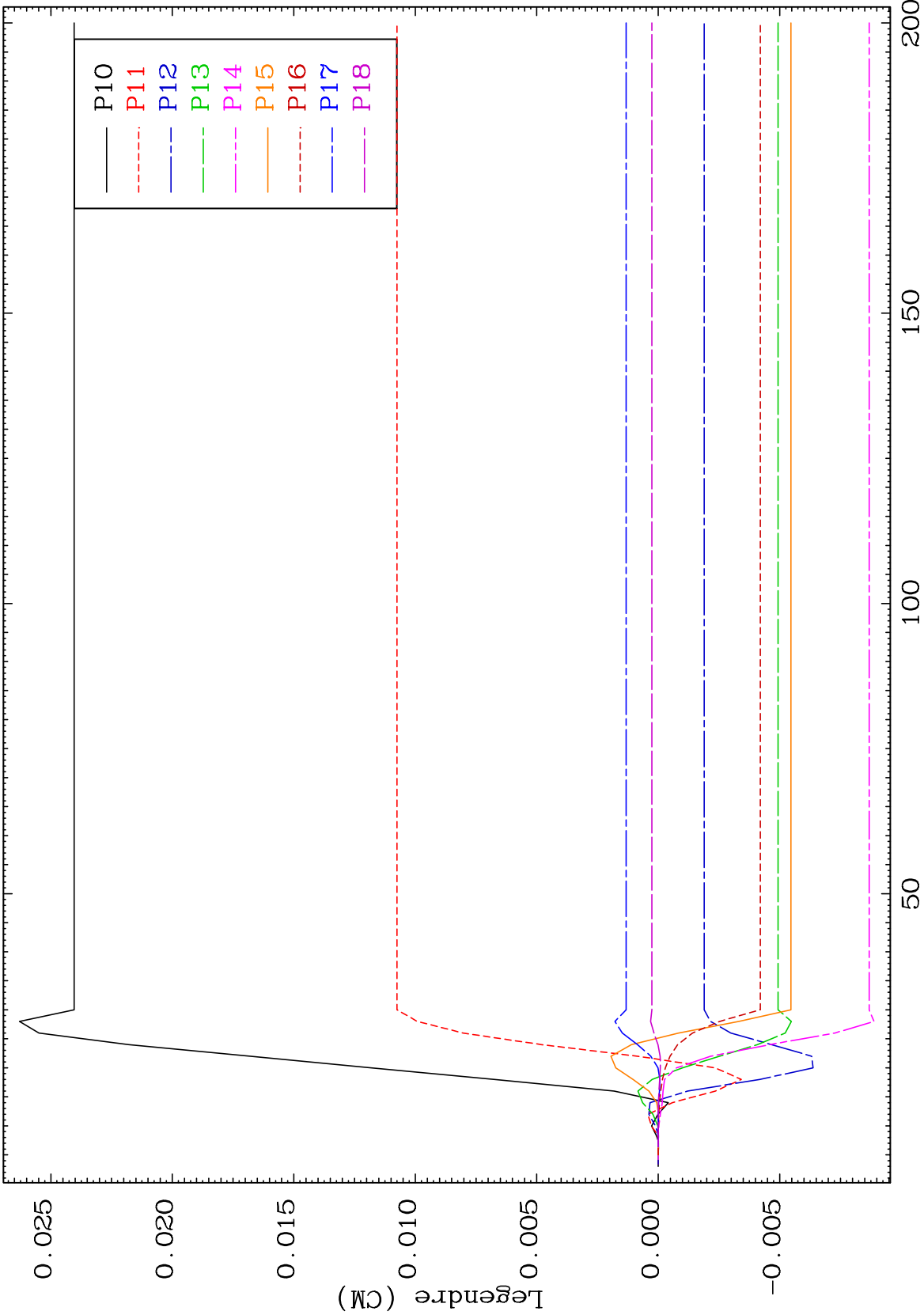


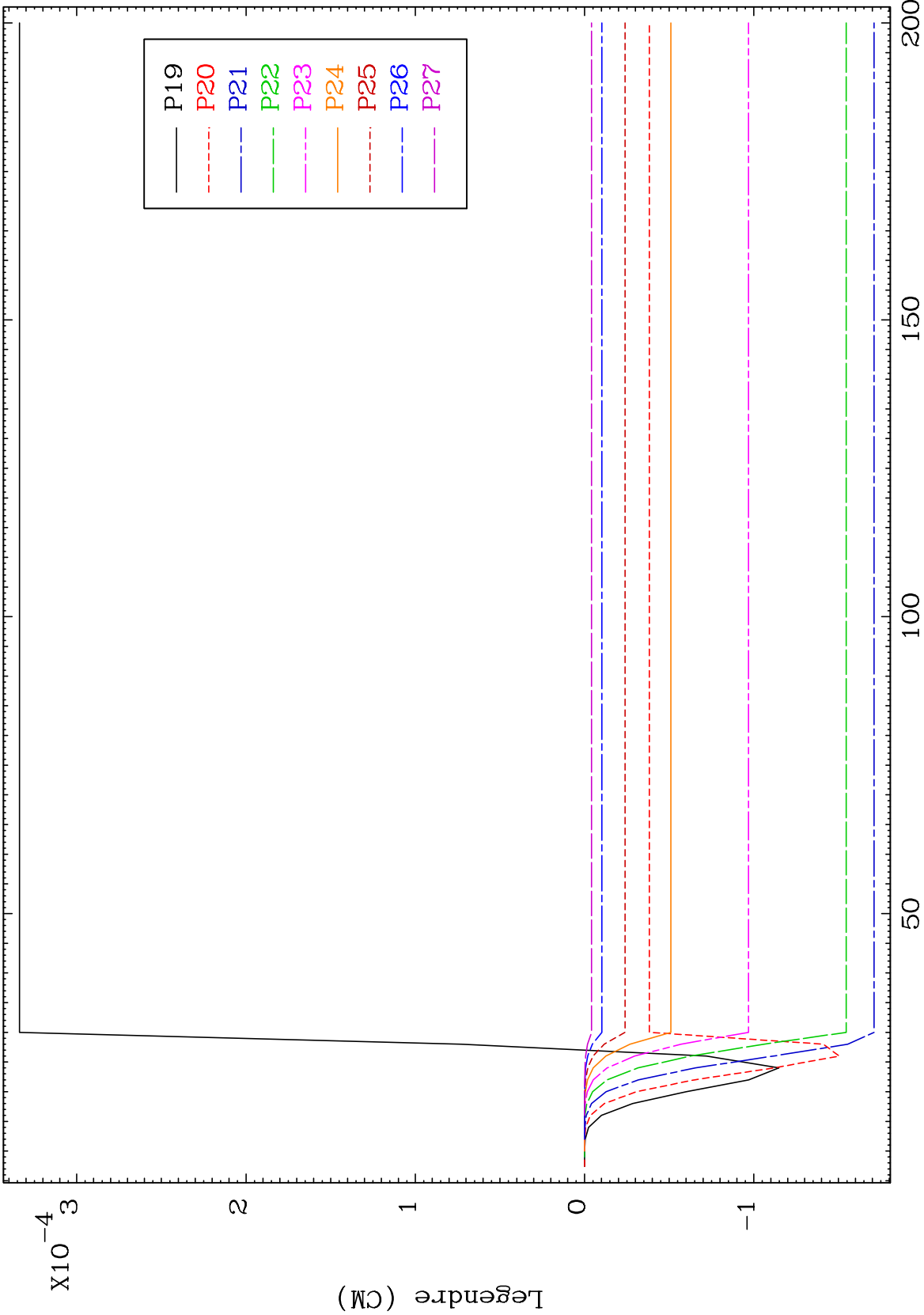


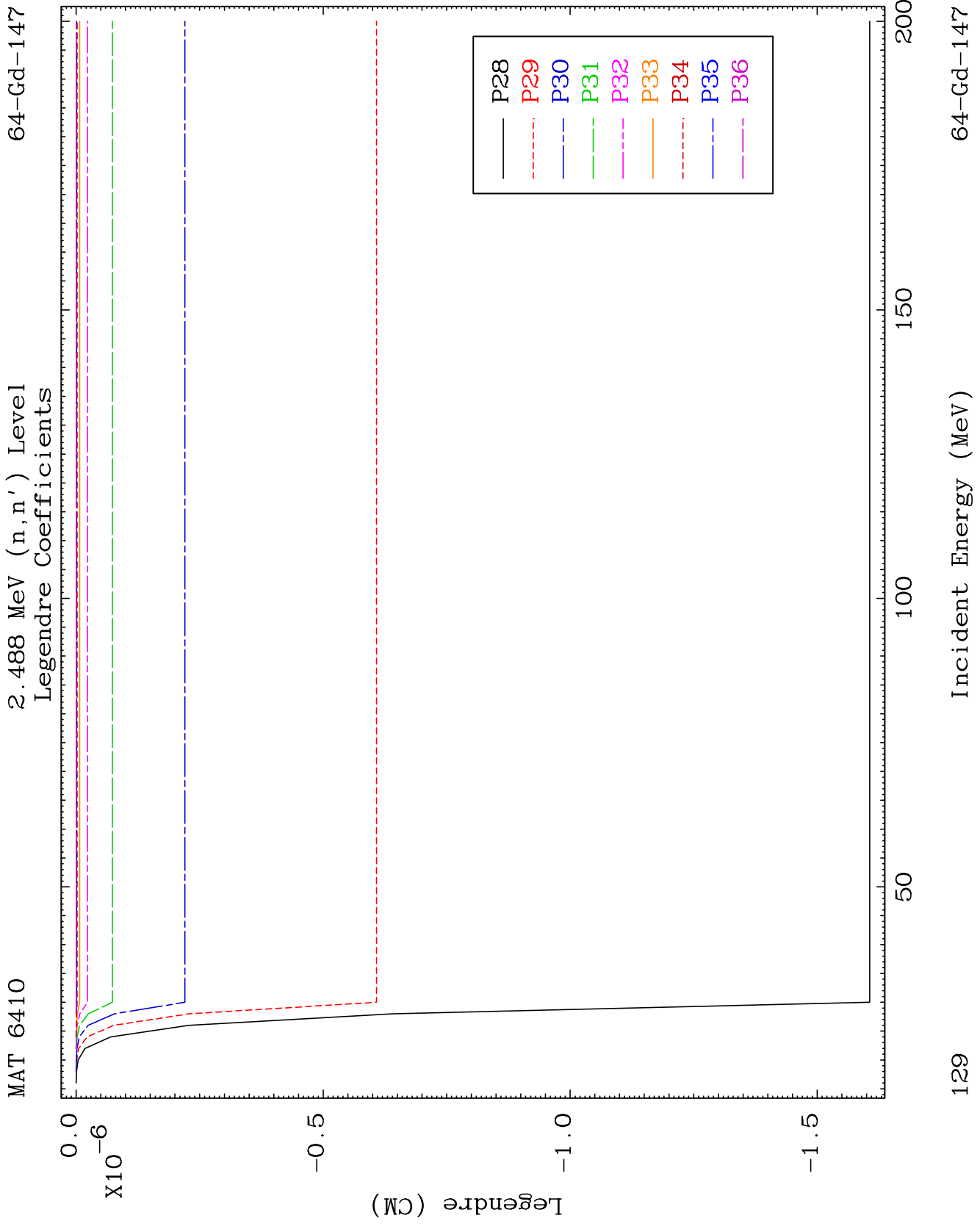


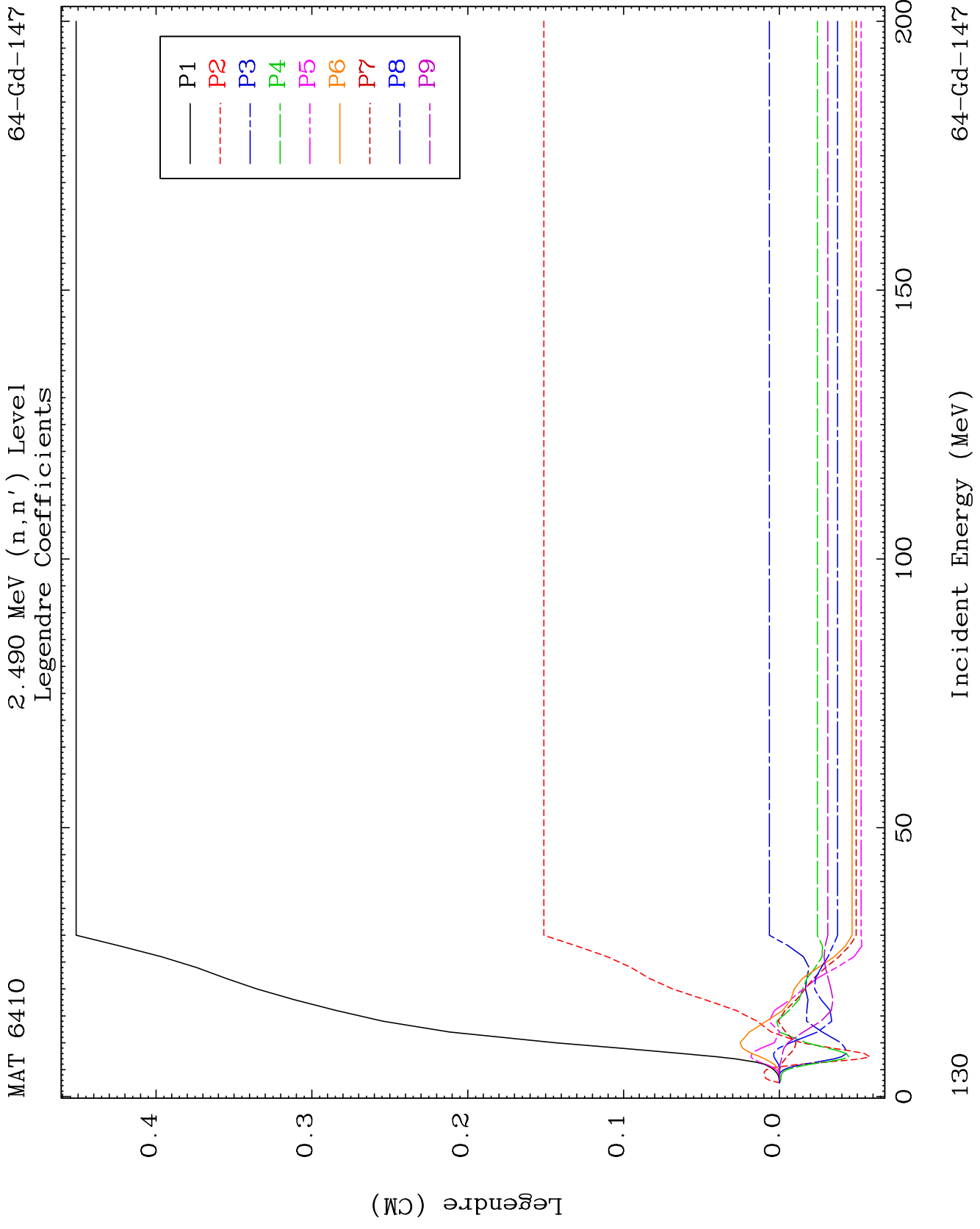








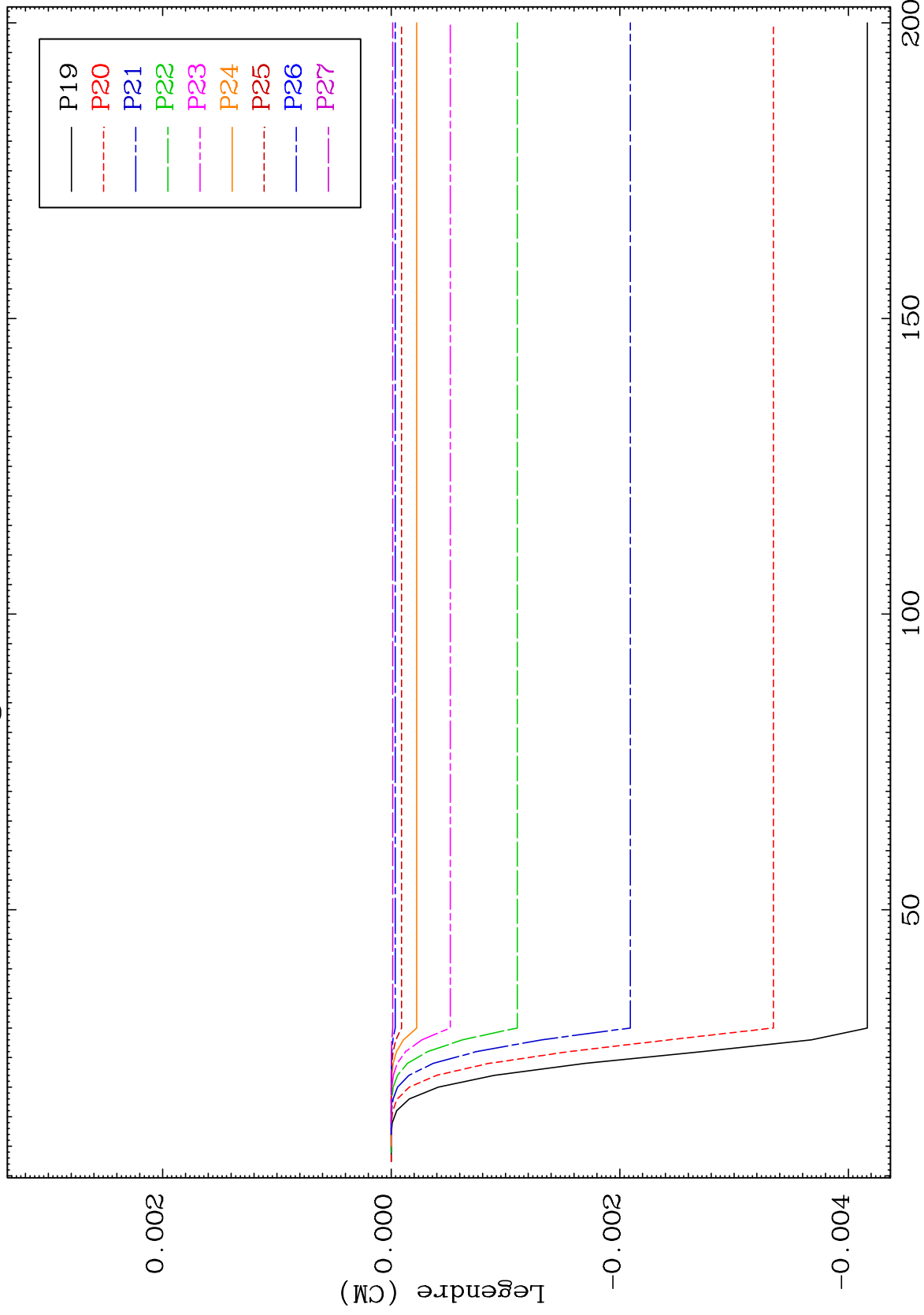




MAT 6410

2.490 MeV (n,n') Level
Legendre Coefficients

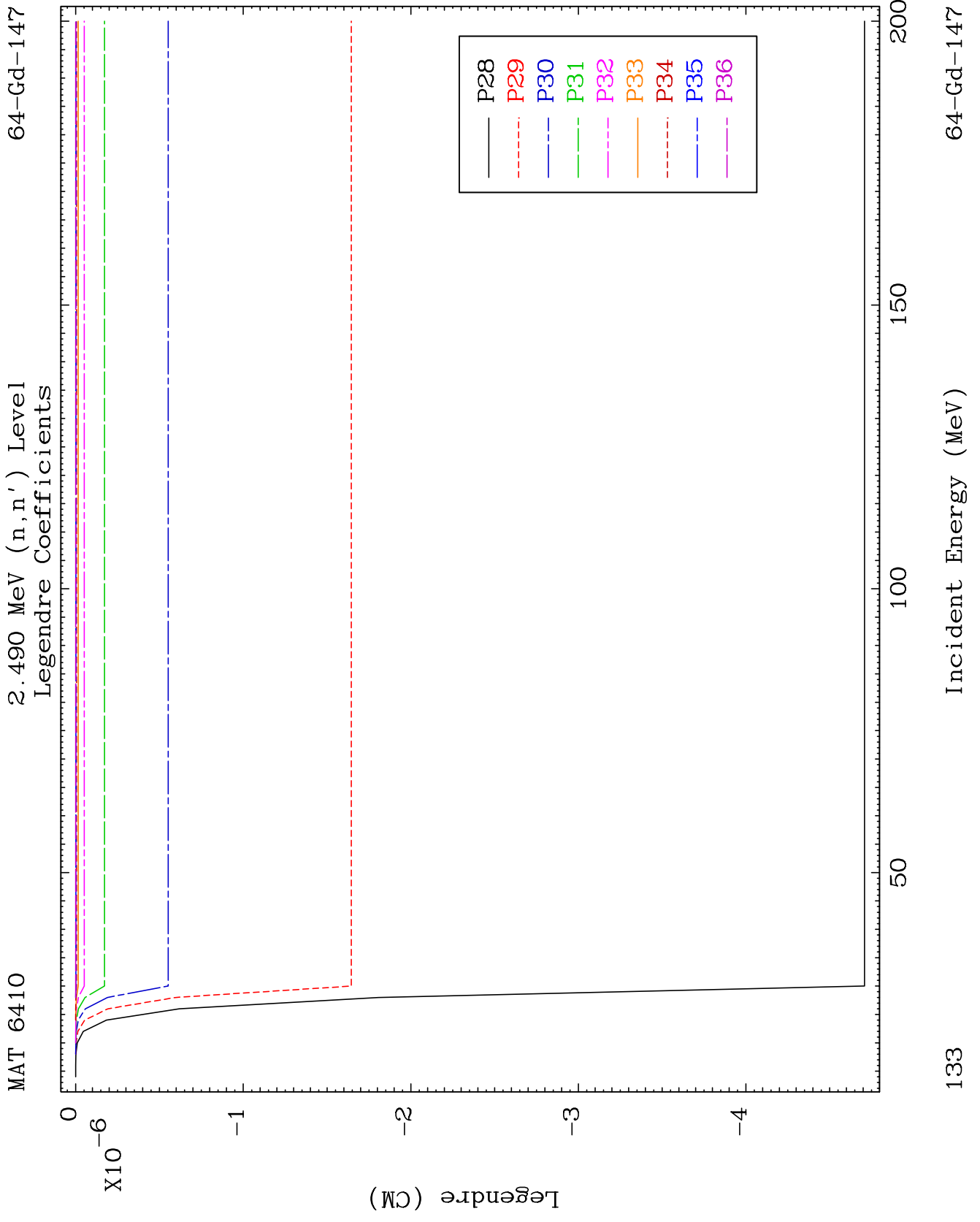
64-Gd-147



132

Incident Energy (MeV)

64-Gd-147

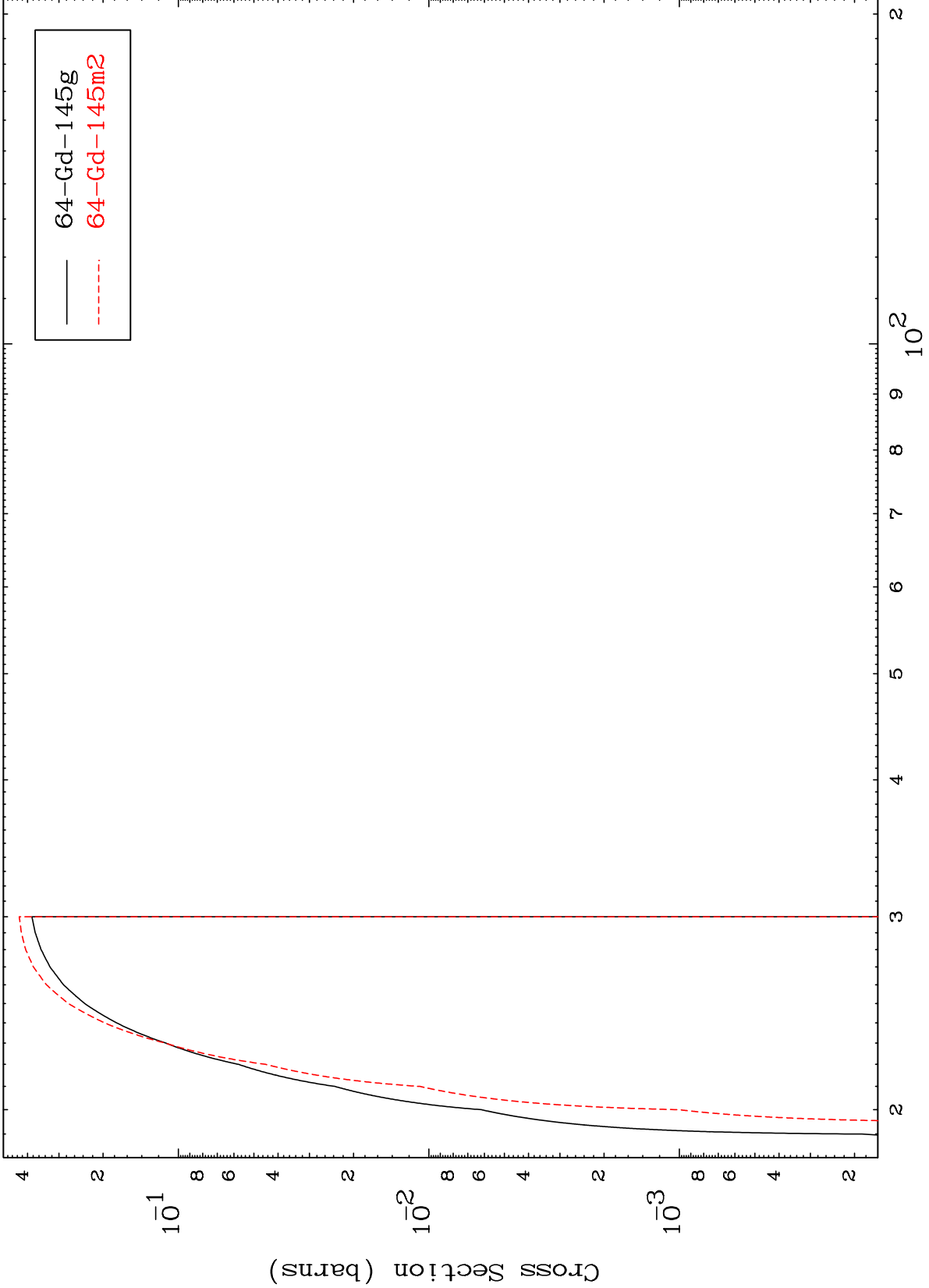


MAT 6410

(n,3n)

64-Gd-147

Radionuclide Production Cross Section



134

Incident Energy (MeV)

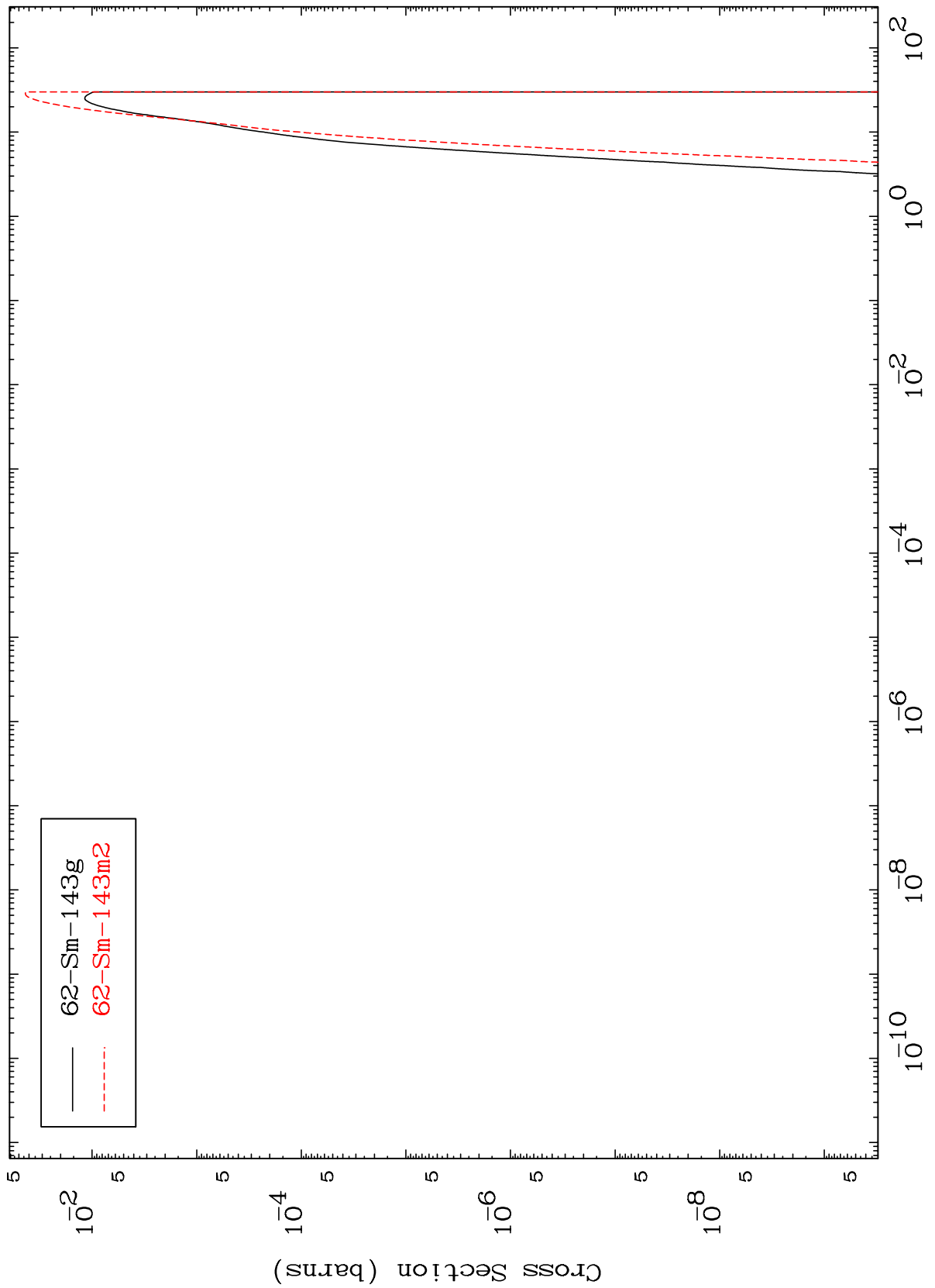
64-Gd-147

MAT 6410

(n, n') α

64-Gd-147

Radionuclide Production Cross Section



135

Incident Energy (MeV)

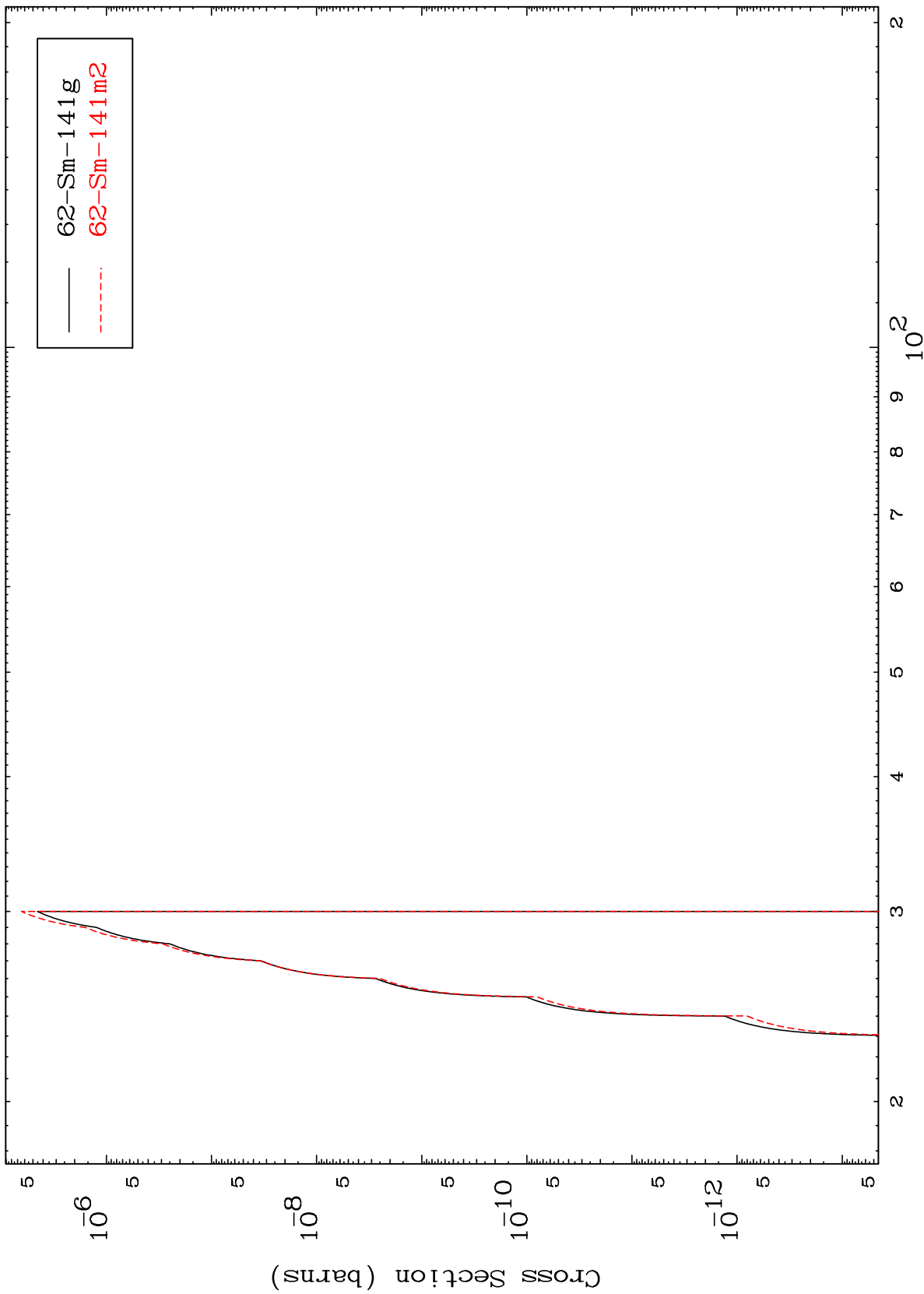
64-Gd-147

MAT 6410

$(n,3n) \alpha$

64-Gd-147

Radionuclide Production Cross Section



136

Incident Energy (MeV)

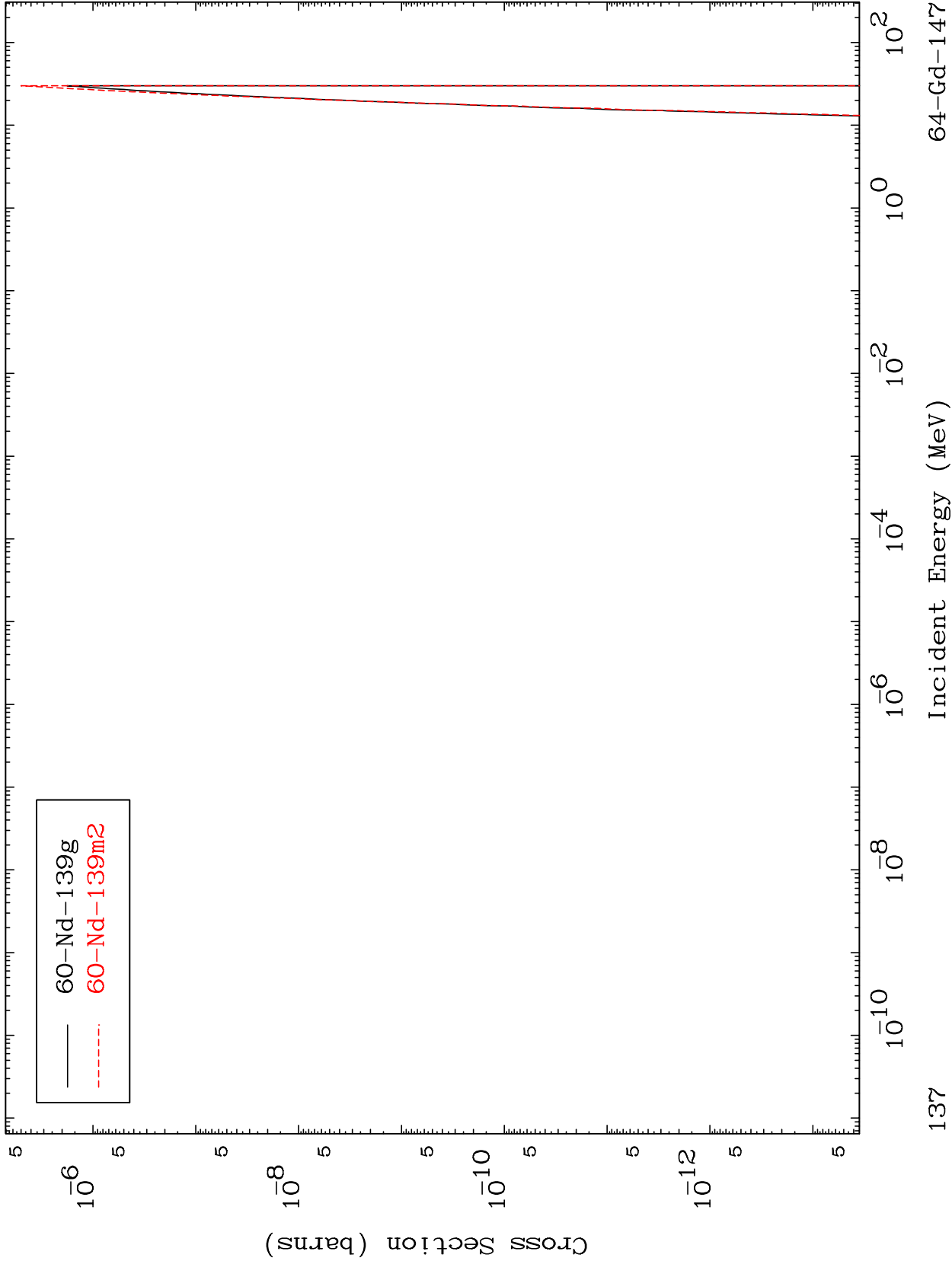
64-Gd-147

MAT 6410

(n, n') 2α

64-Gd-147

Radionuclide Production Cross Section



137

Incident Energy (MeV)

64-Gd-147