

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

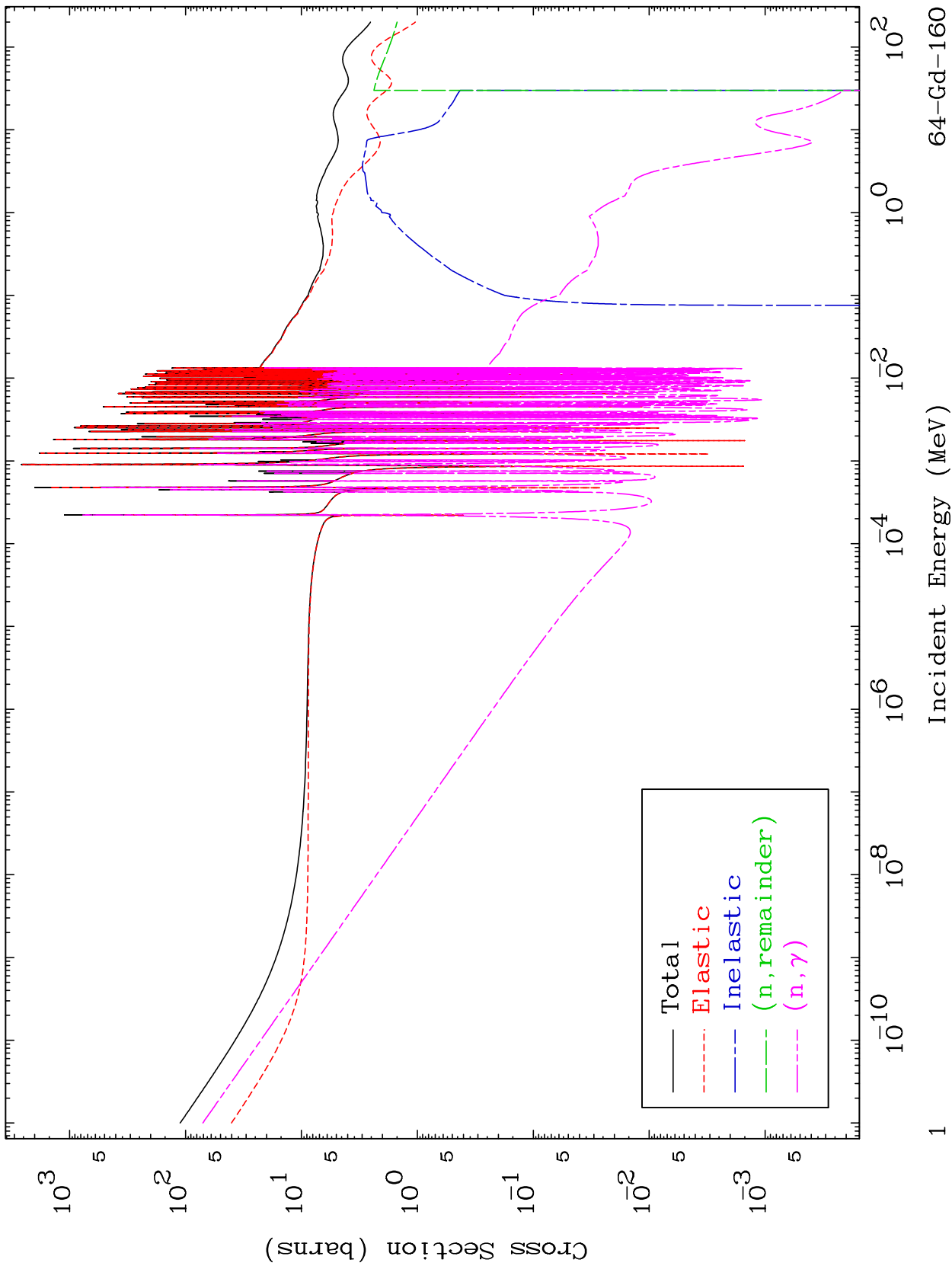
Press Mouse Button to Start

MAT 6449

Major

293 Kelvin Cross Sections

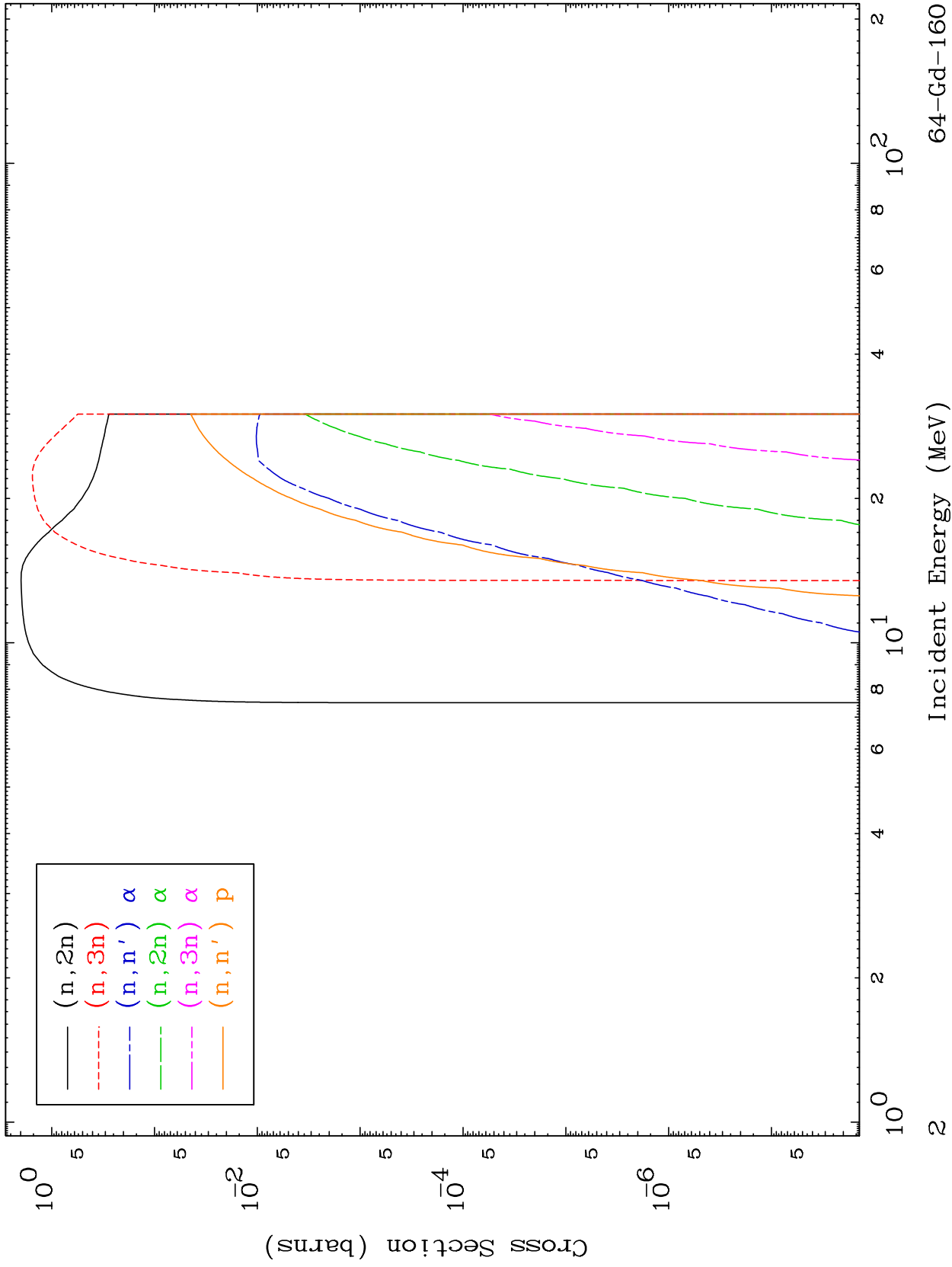
64-Gd-160



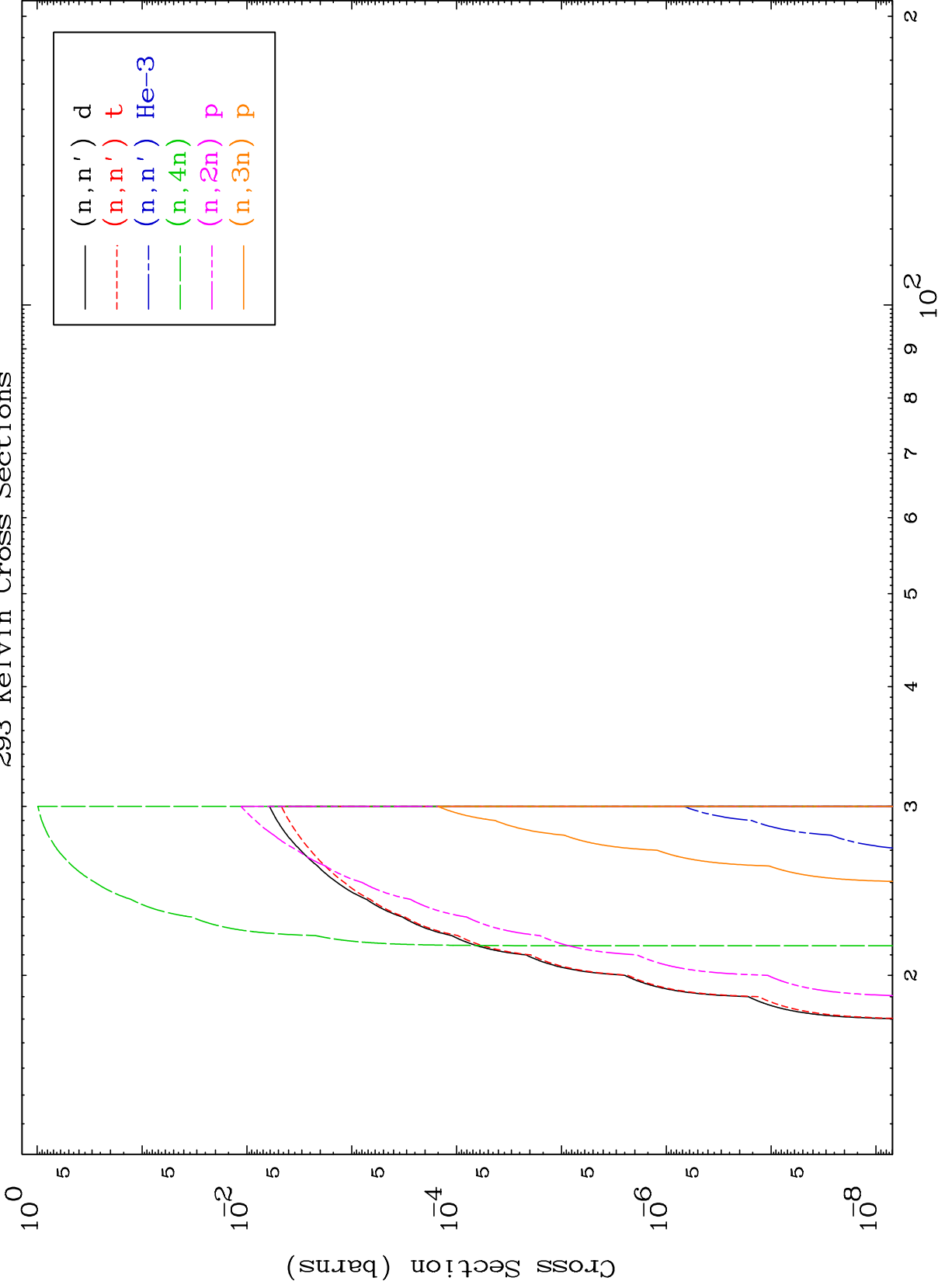
MAT 6449

Neutron Production
293 Kelvin Cross Sections

64-Gd-160



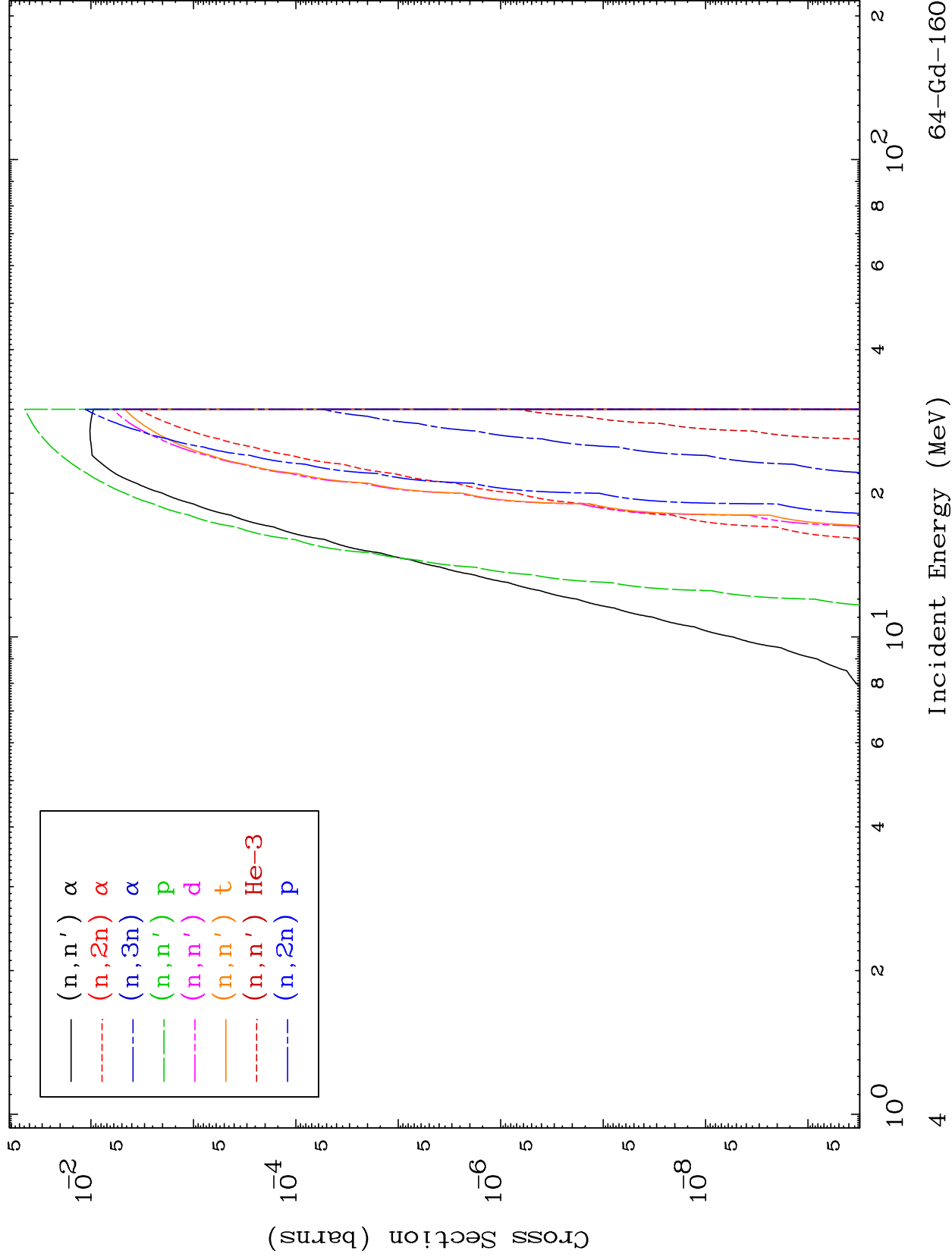
64-Gd-160



MAT 6449

Charged Particle
293 Kelvin Cross Sections

64-Gd-160



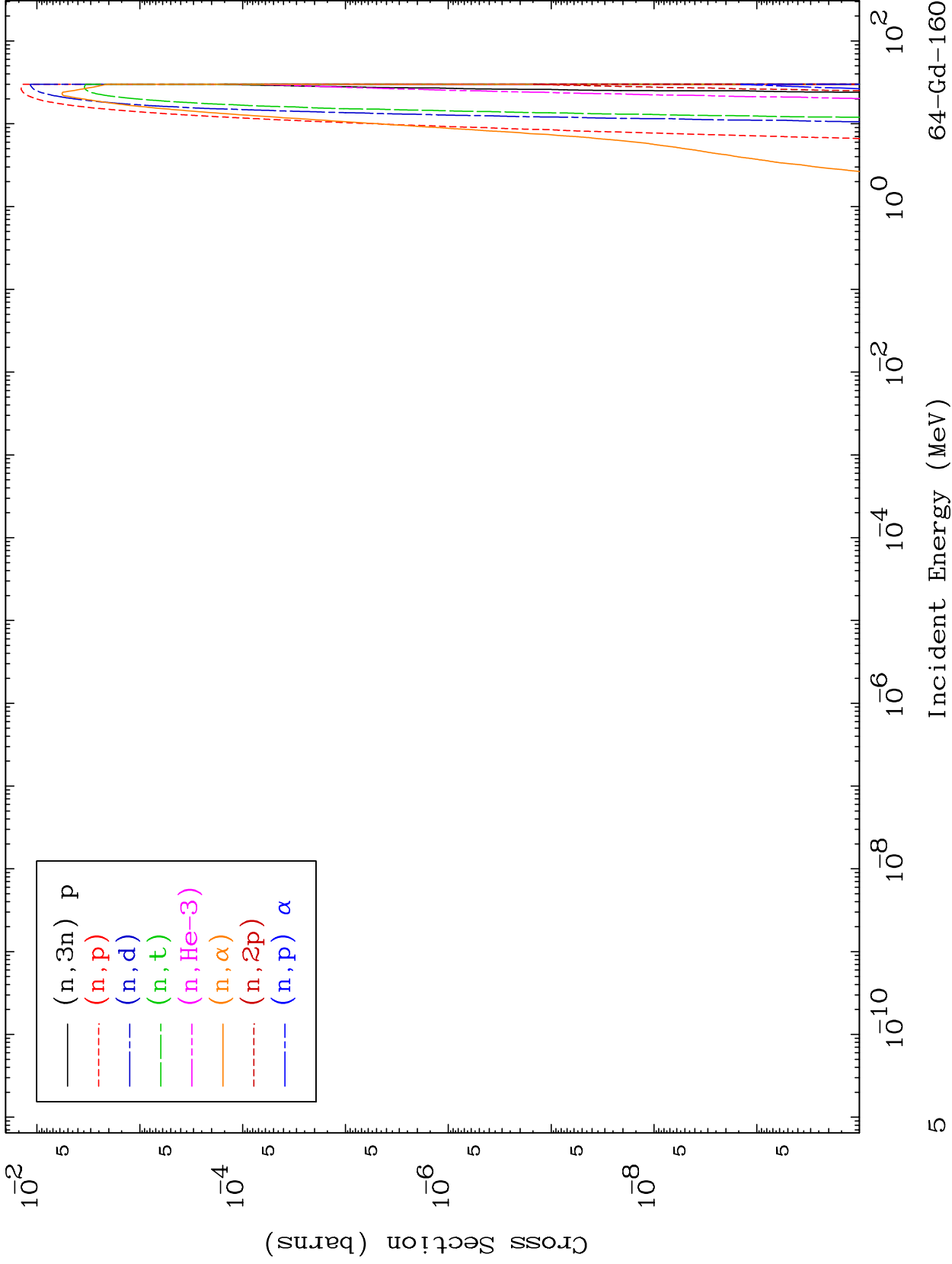
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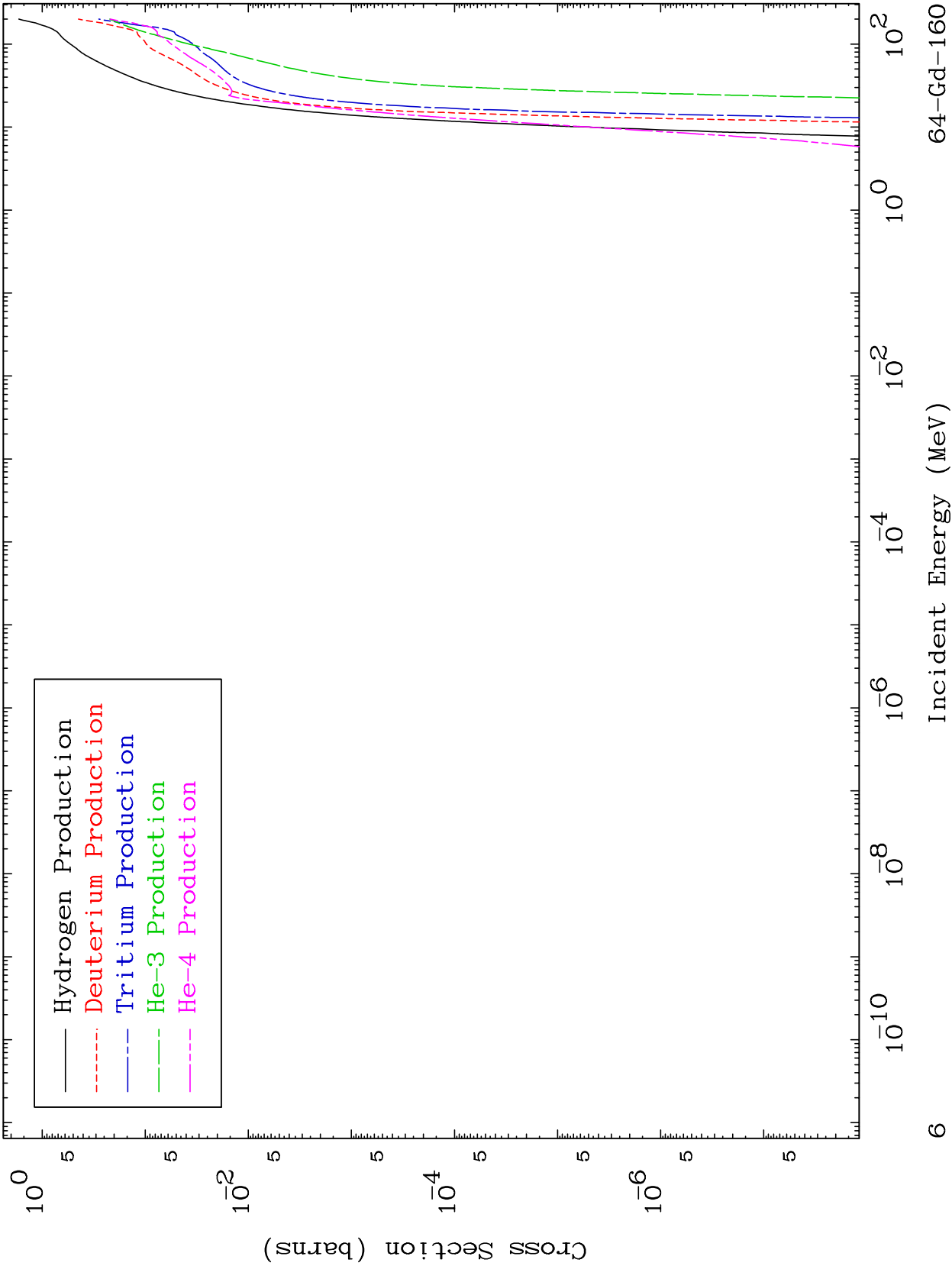
Incident Energy (MeV)

MAT 6449

Charged Particle
293 Kelvin Cross Sections

64-Gd-160

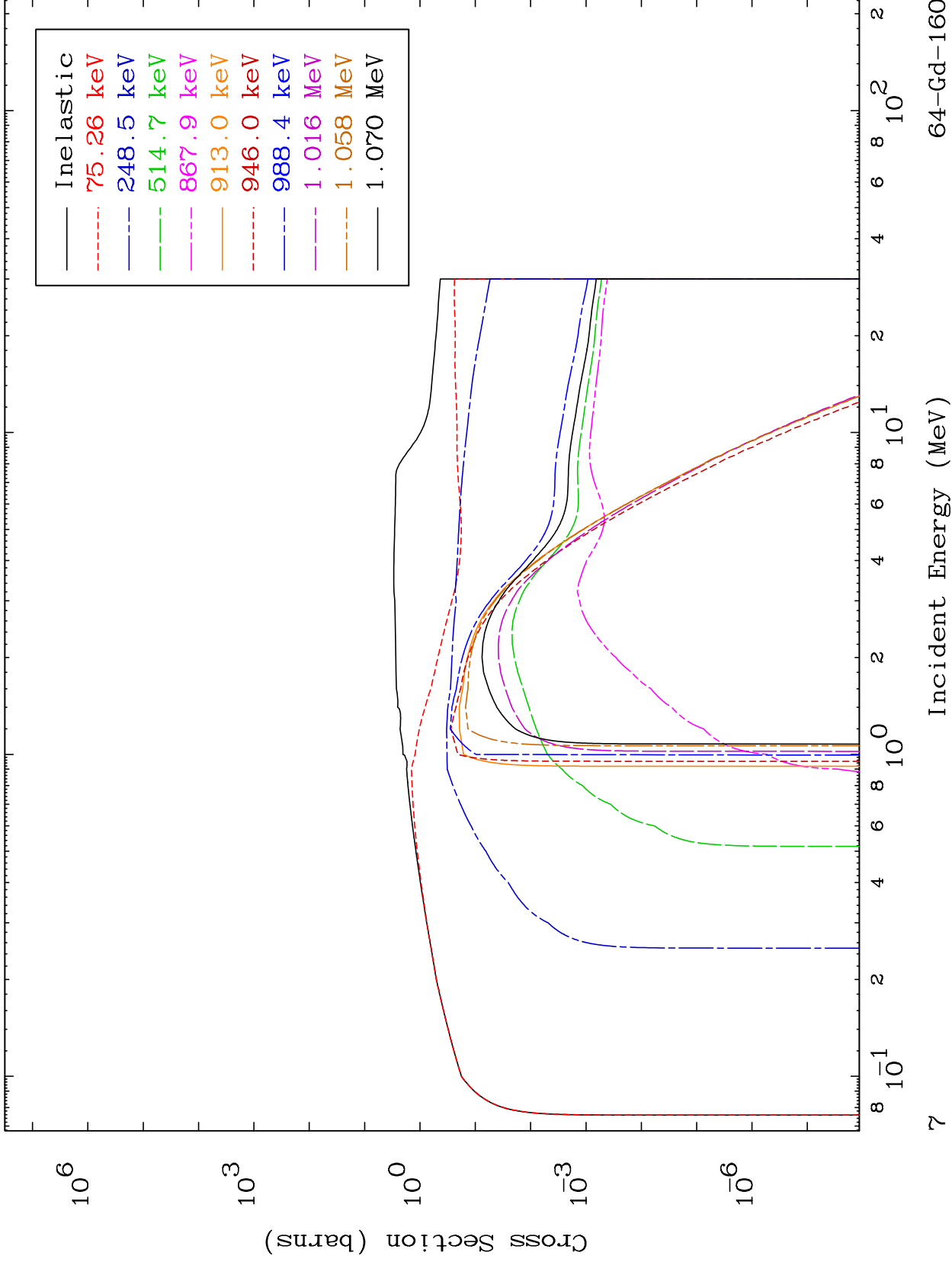




MAT 6449

(n,n') Level
293 Kelvin Cross Sections

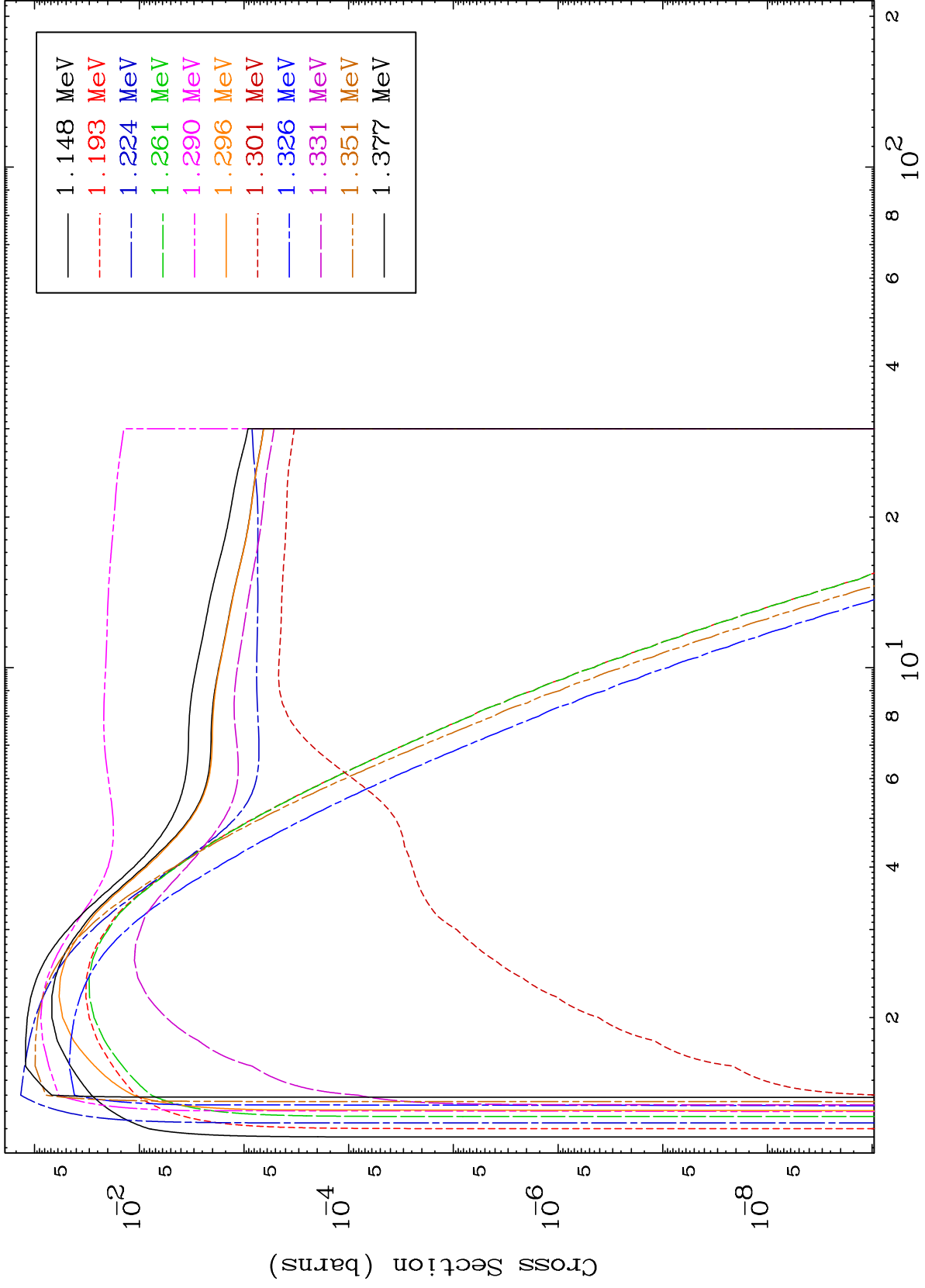
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MAT 6449

(n,n') Level
293 Kelvin Cross Sections

64-Gd-160



8

Incident Energy (MeV)

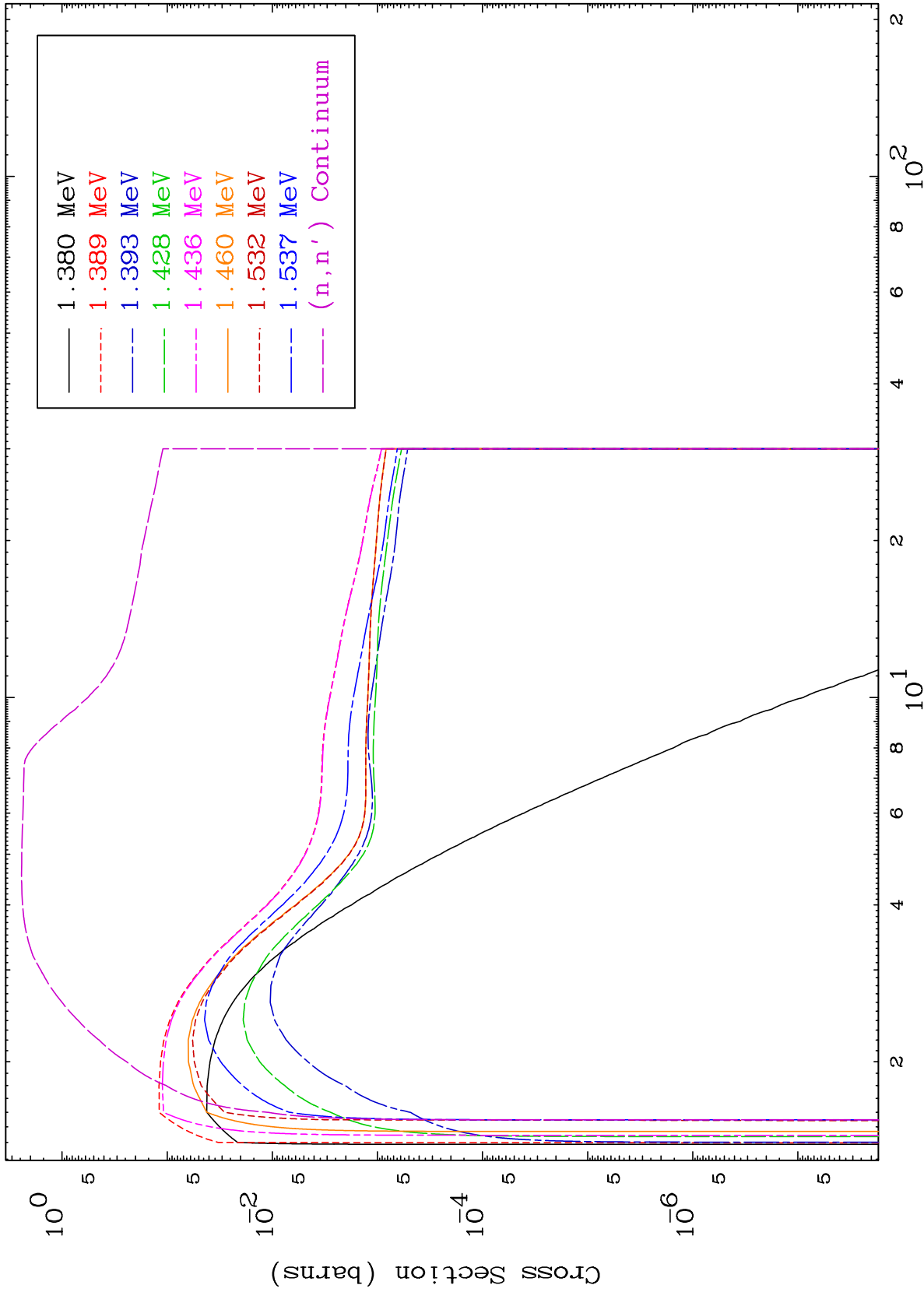
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MAT 6449

(n,n') Level

64-Gd-160

293 Kelvin Cross Sections



9

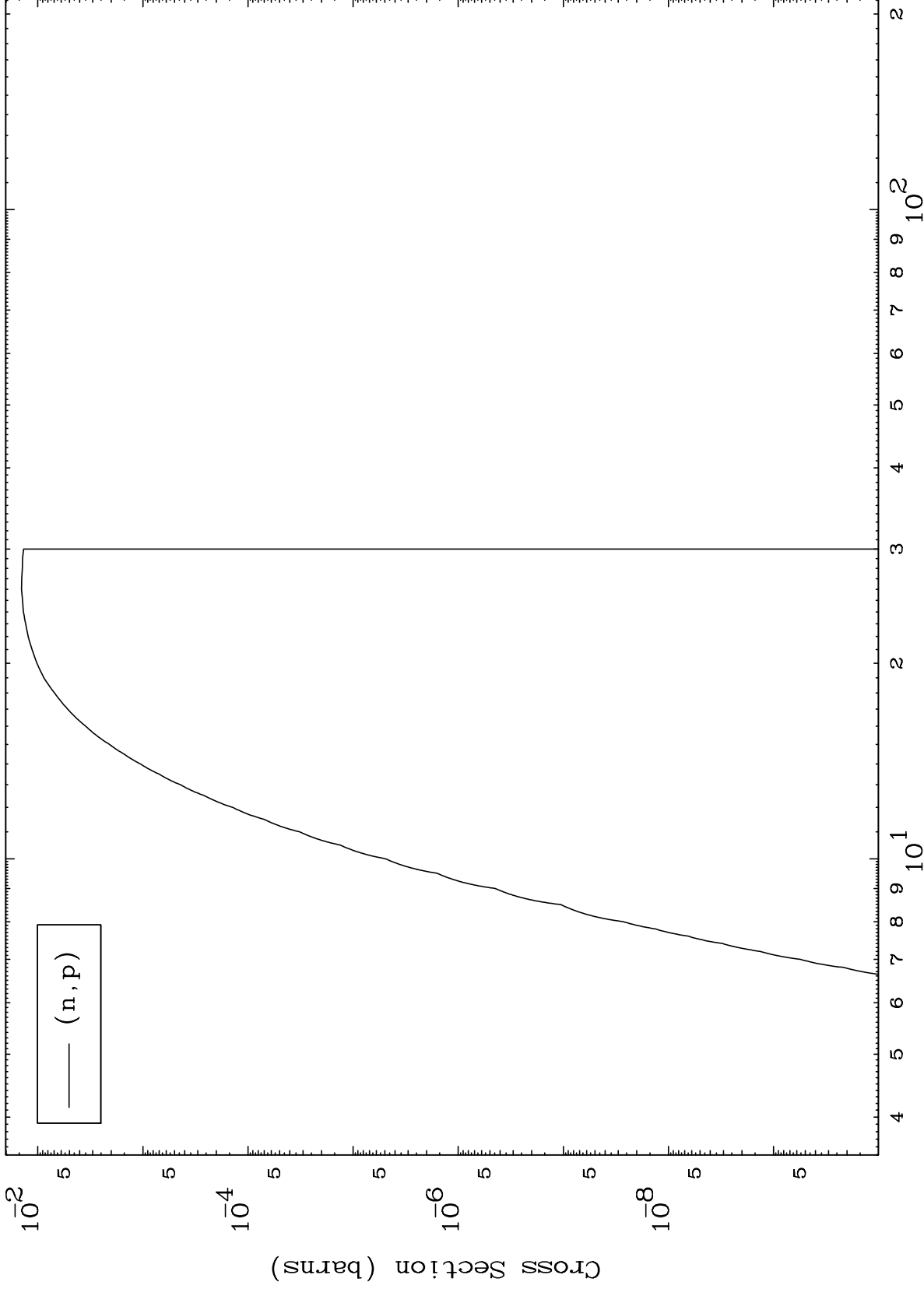
Incident Energy (MeV)

64-Gd-160

MAT 6449

(n,p) Levels
293 Kelvin Cross Sections

64-Gd-160



10

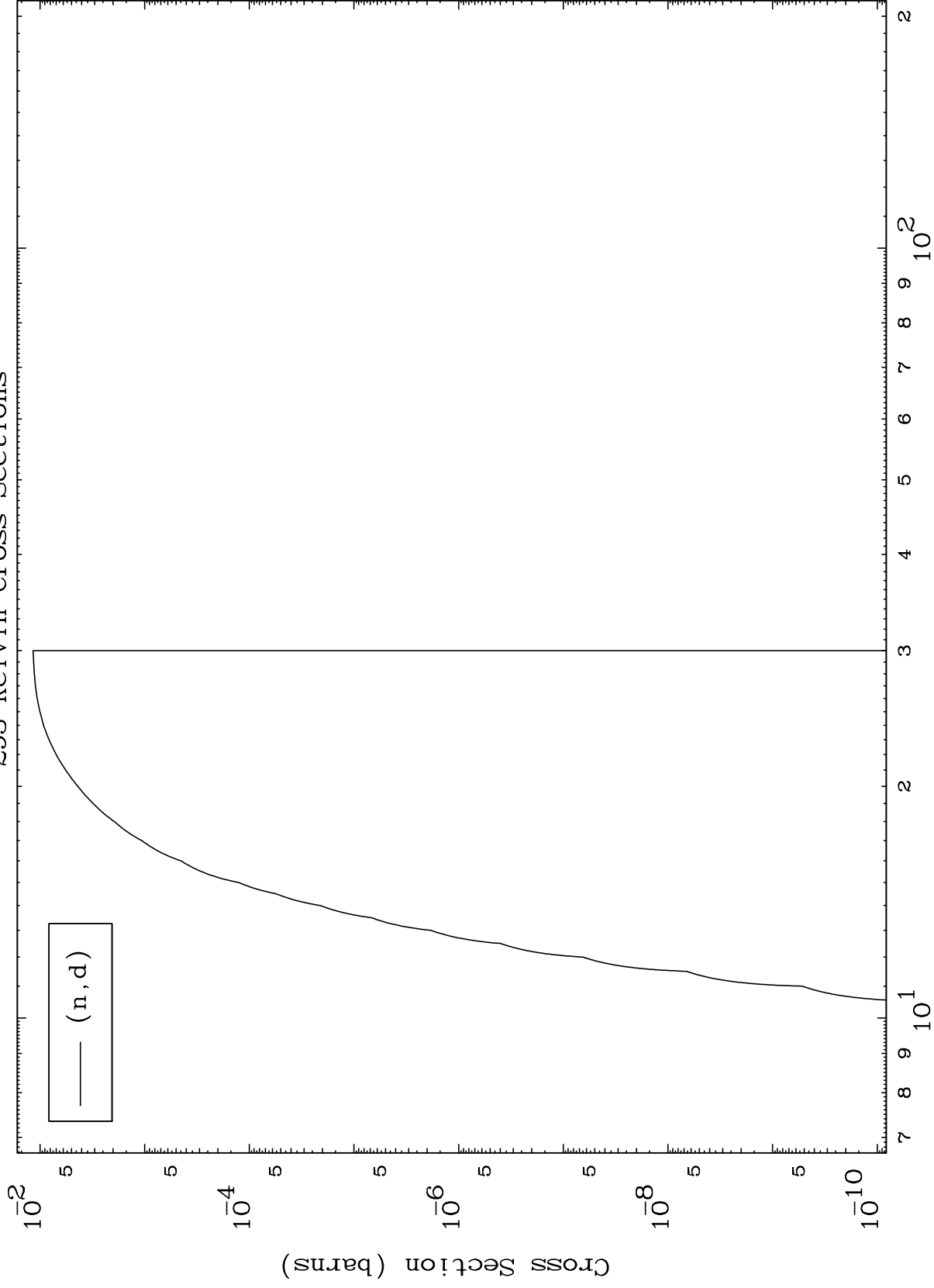
Incident Energy (MeV)

64-Gd-160

MAT 6449

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-160



11

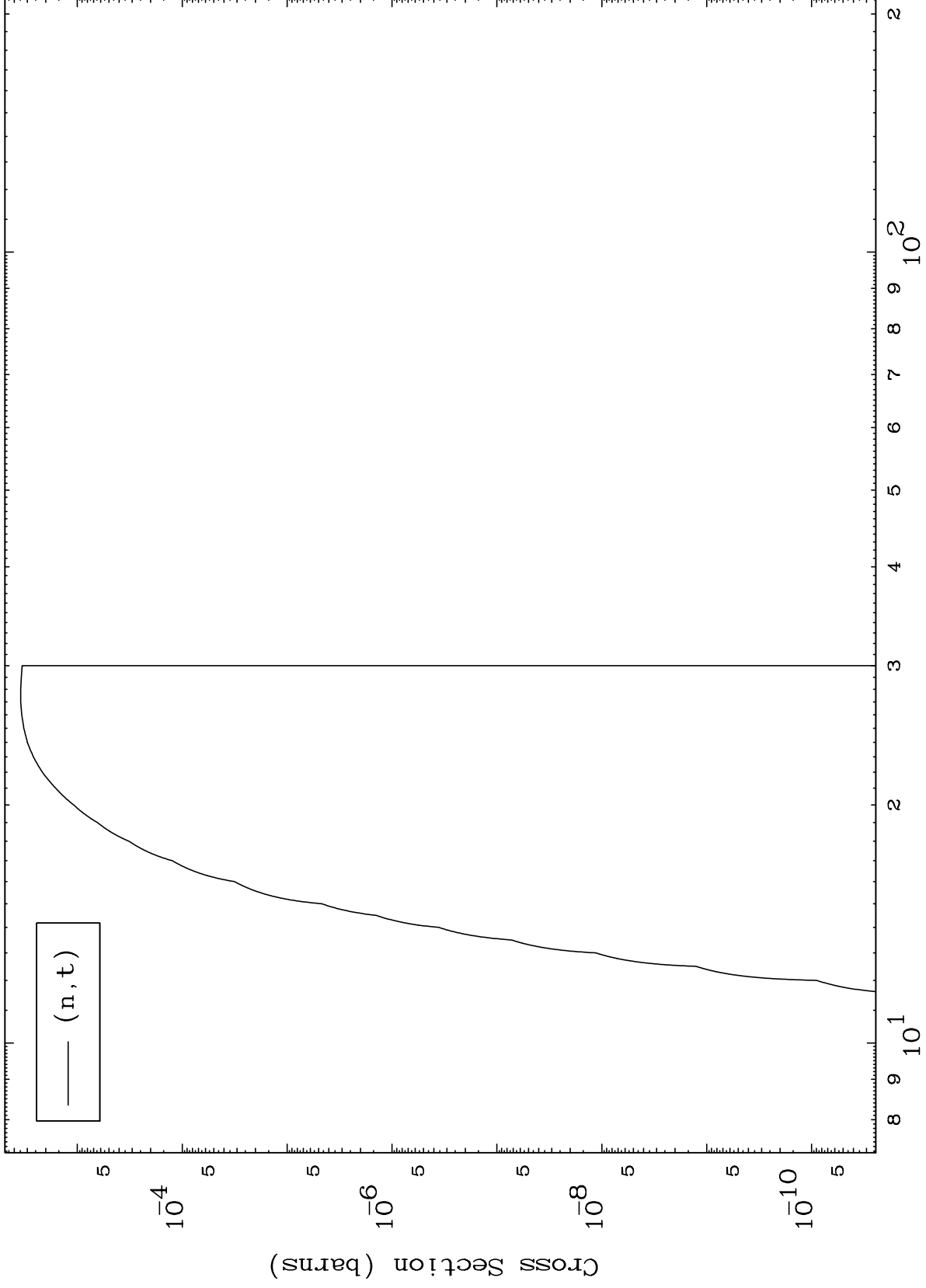
Incident Energy (MeV)

64-Gd-160

MAT 6449

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-160



12

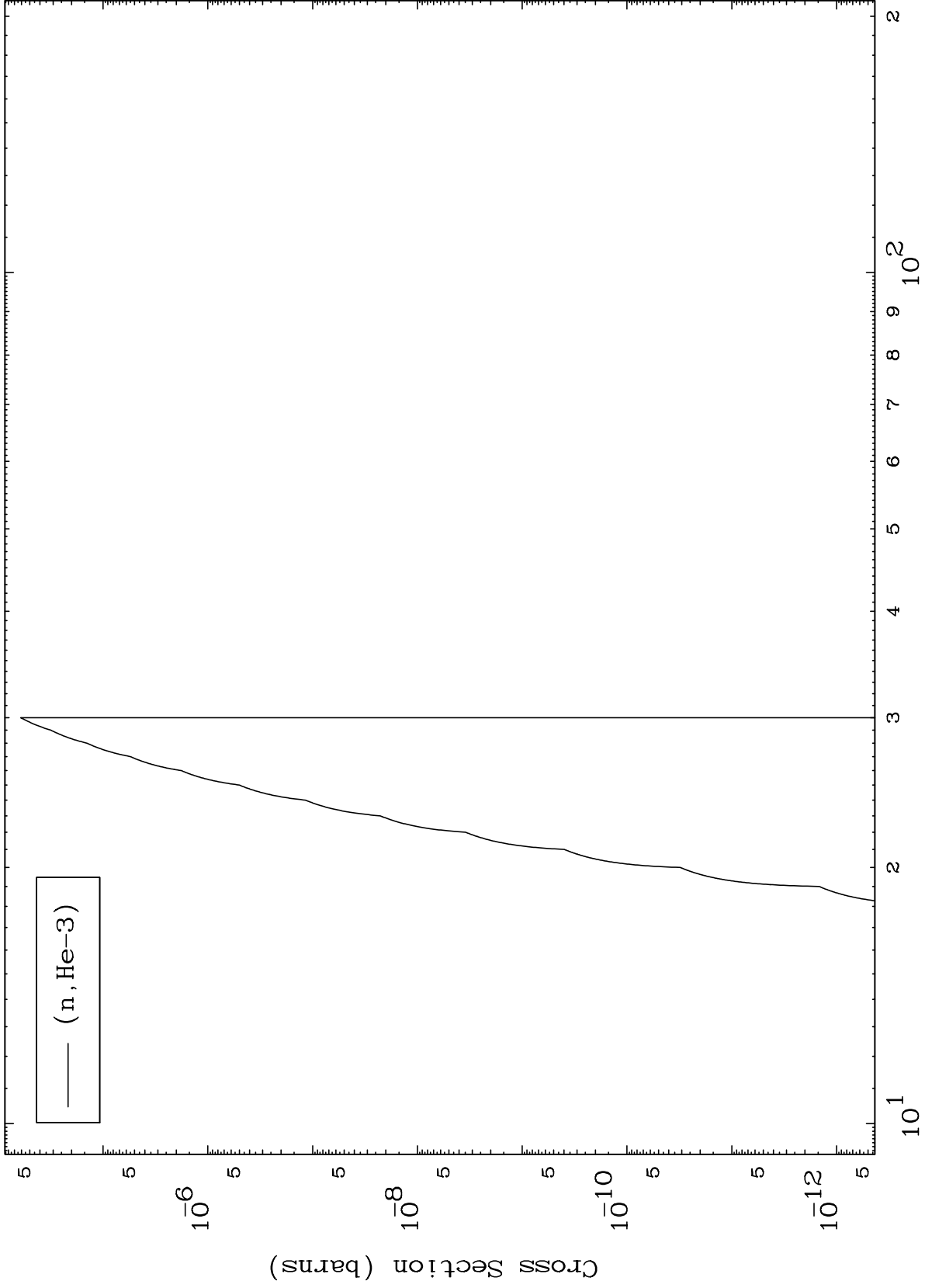
Incident Energy (MeV)

64-Gd-160

MAT 6449

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-160



13

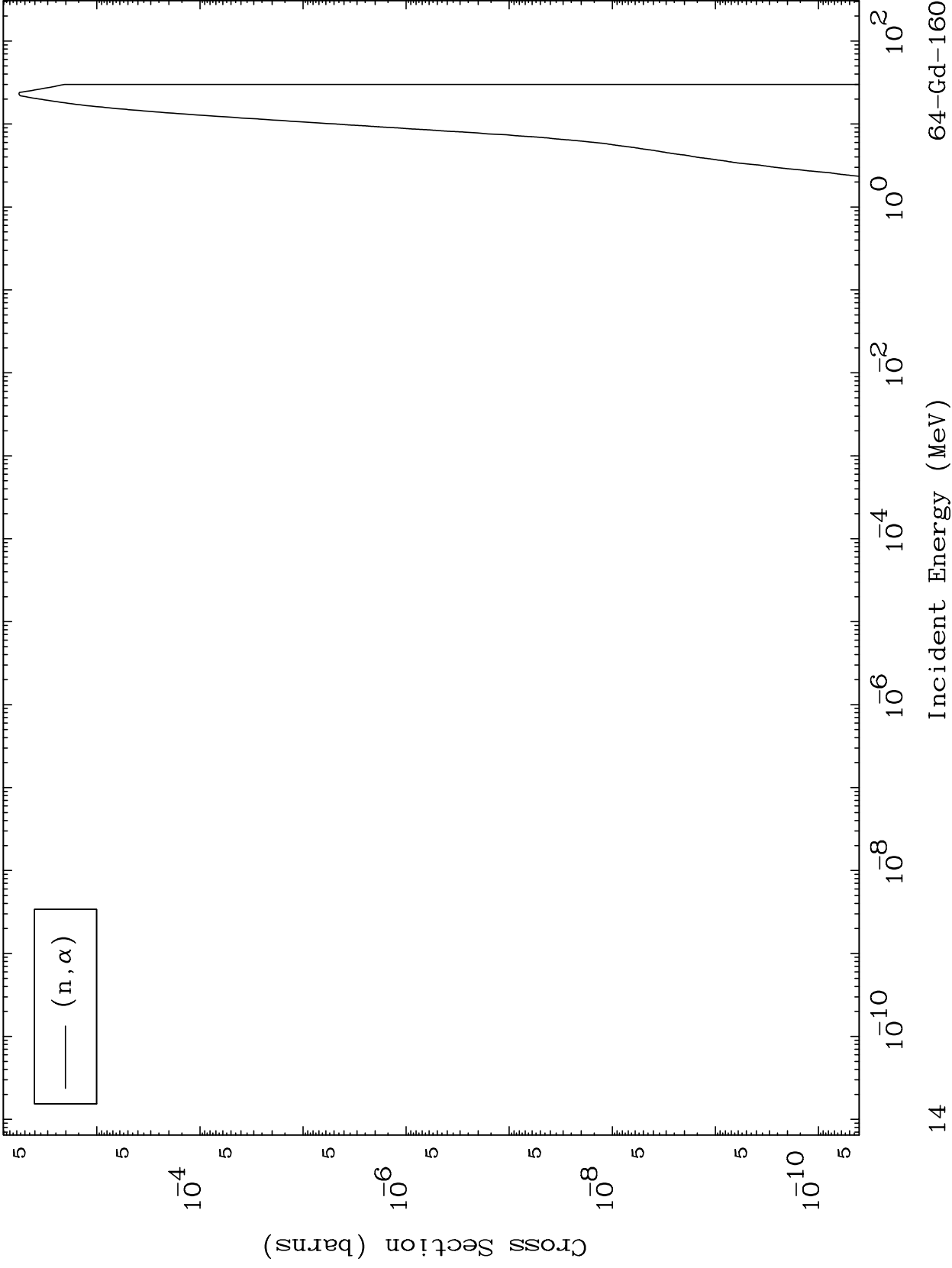
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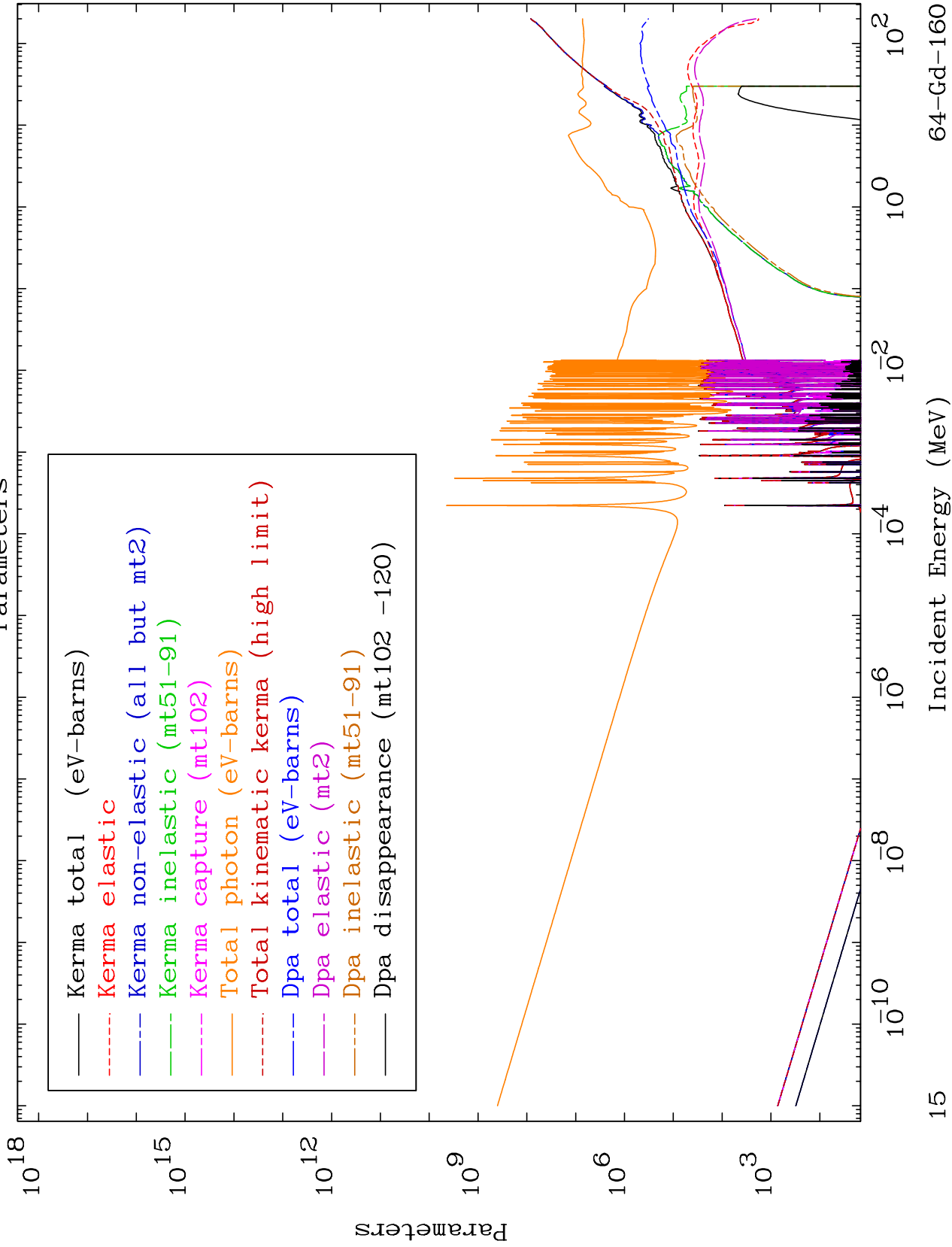
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MAT 6449

(n, α) Levels
293 Kelvin Cross Sections

64-Gd-160

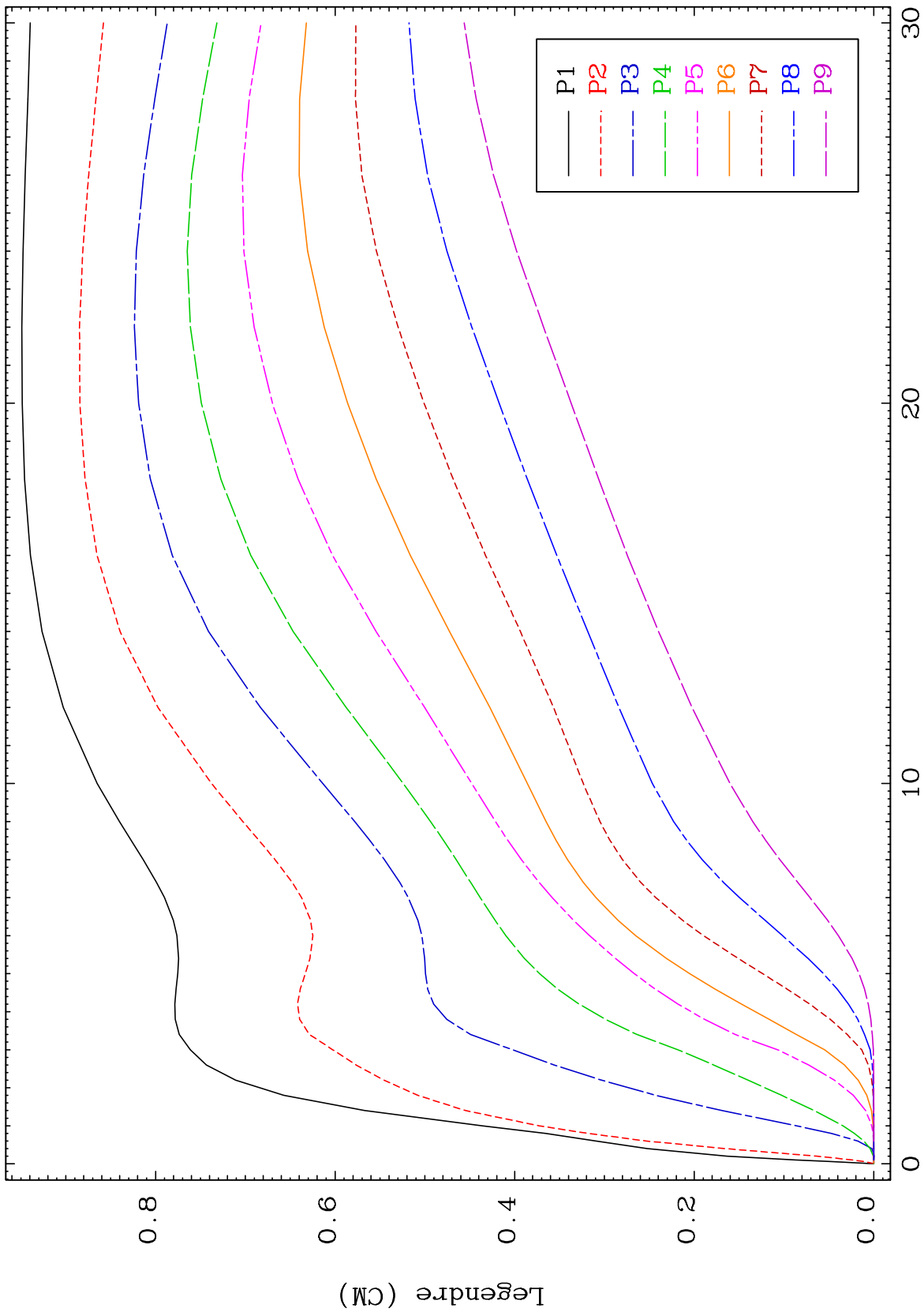




MAT 6449

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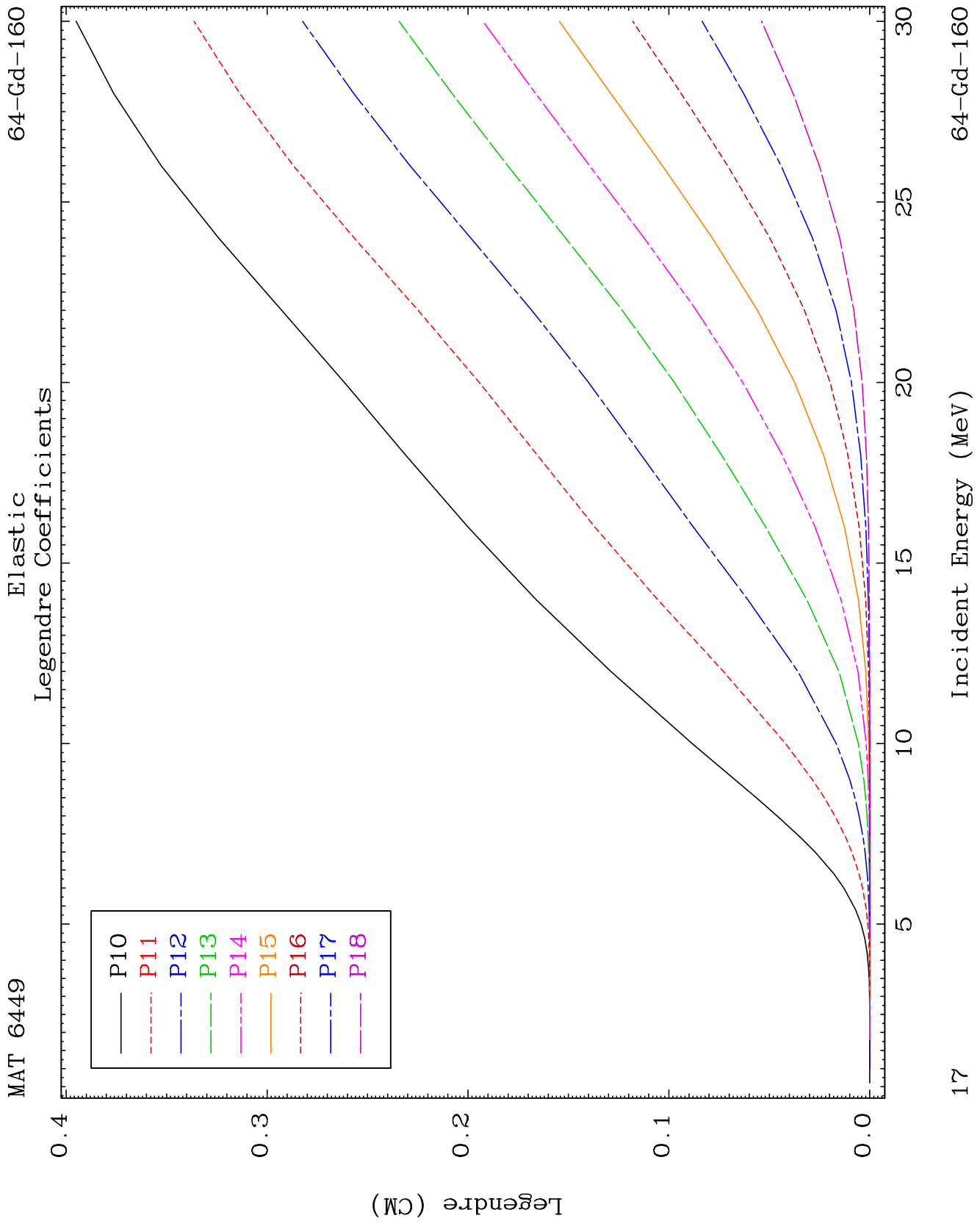
Elastic Legendre Coefficients



16

Incident Energy (MeV)

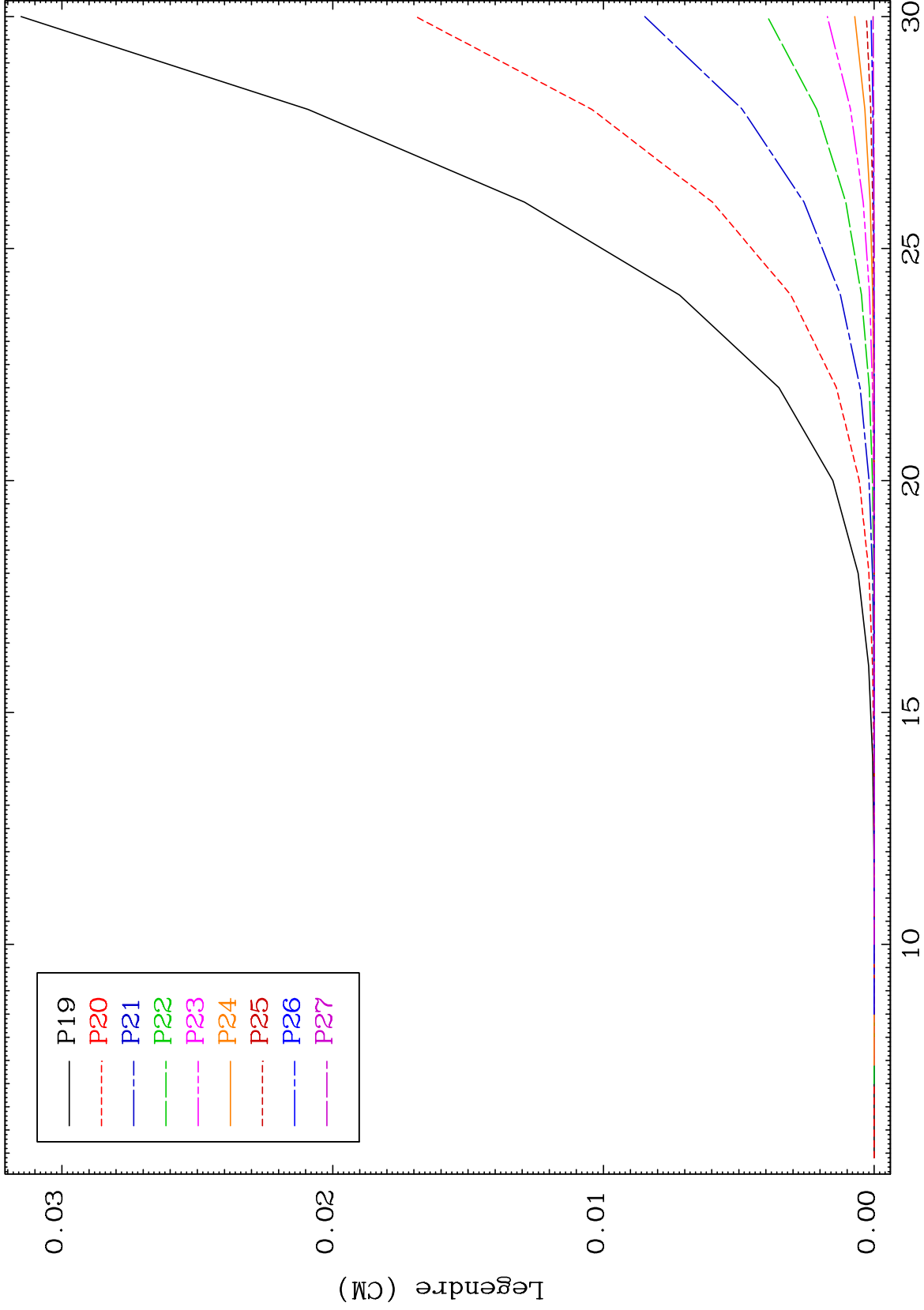
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MAT 6449

Elastic Legendre Coefficients

64-Gd-160



18

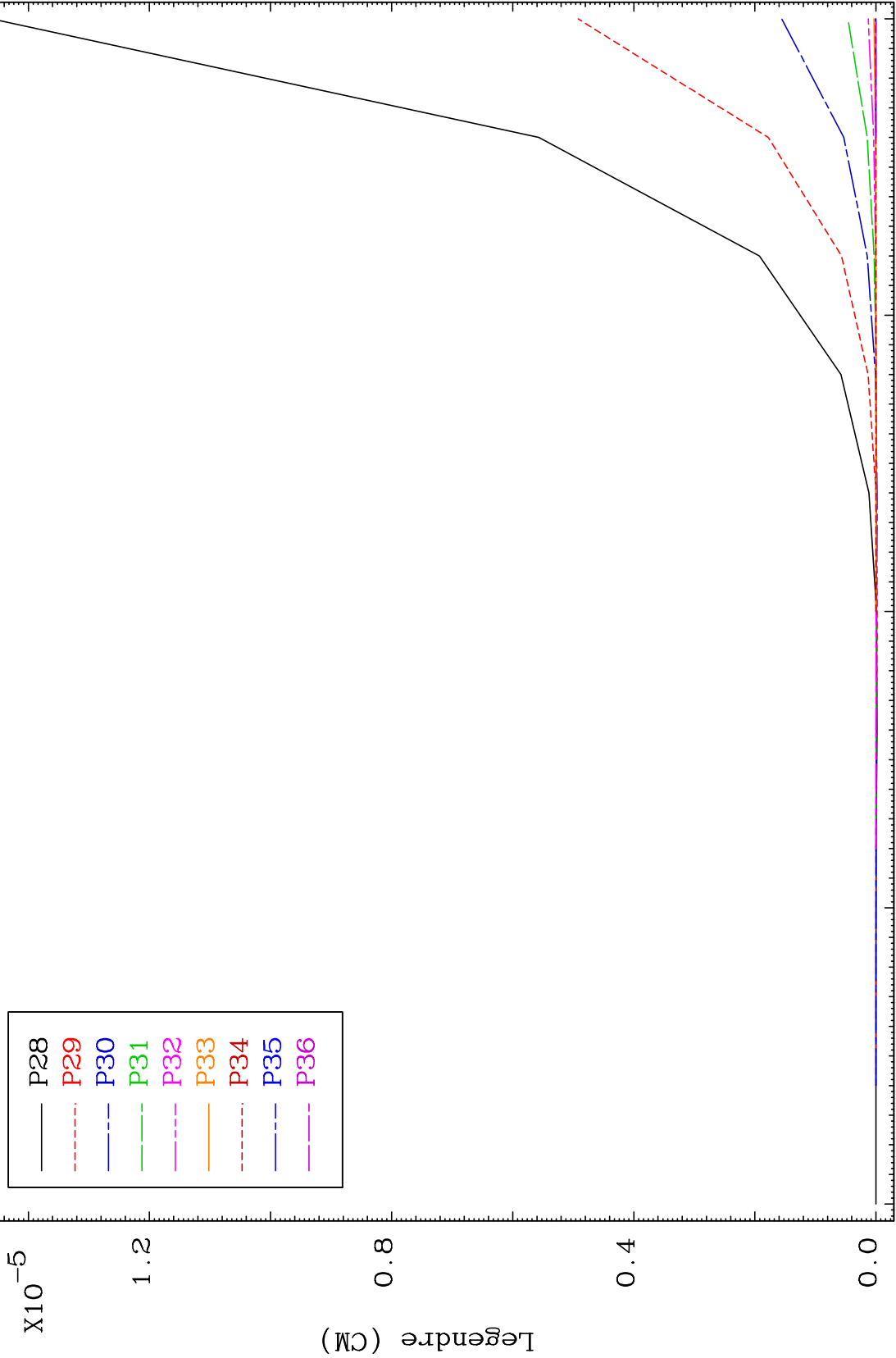
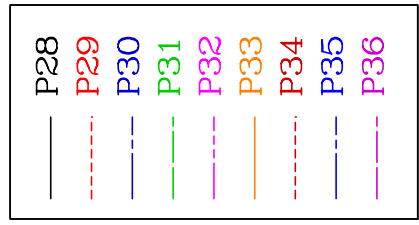
Incident Energy (MeV)

64-Gd-160

MAT 6449

Elastic Legendre Coefficients

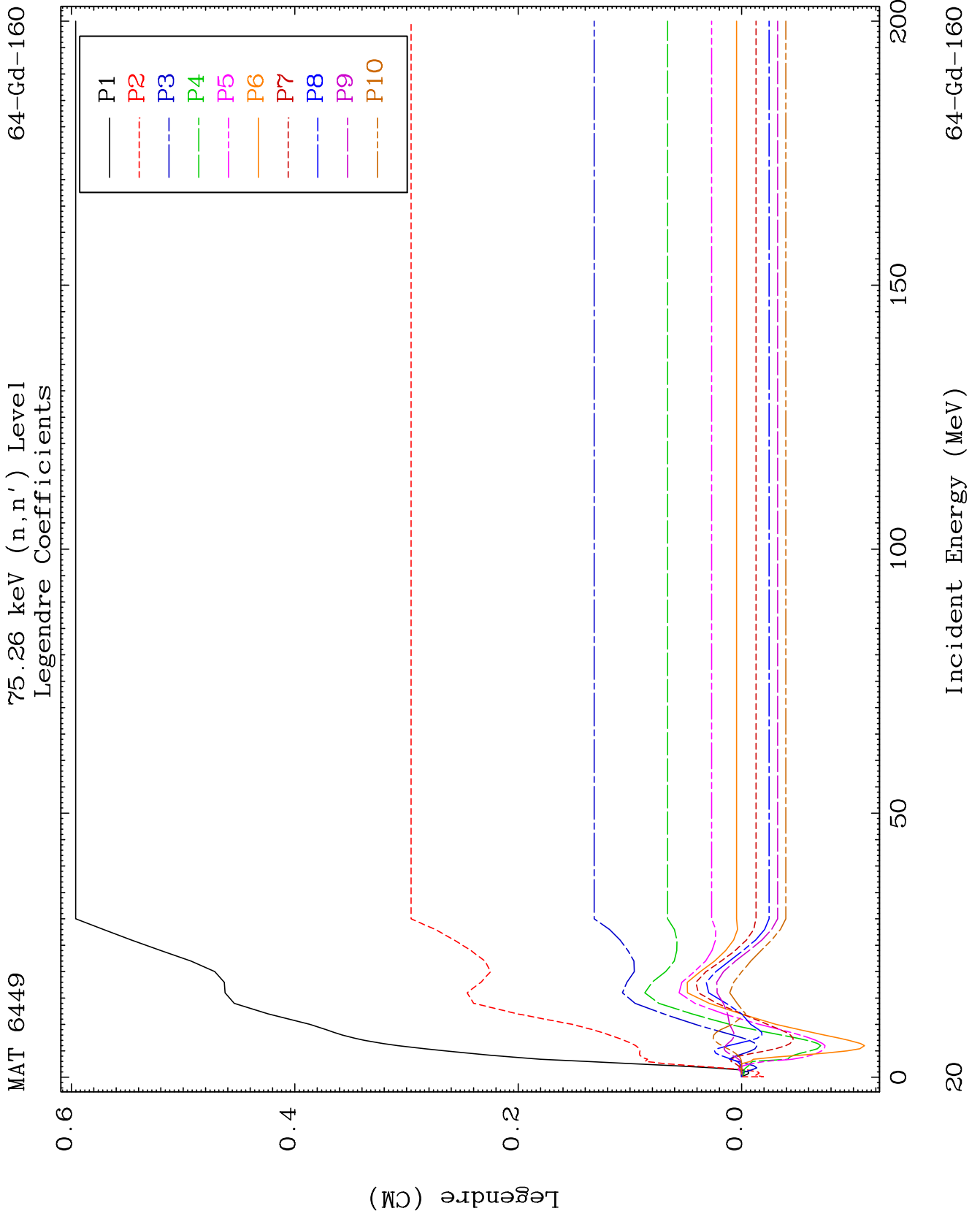
64-Gd-160



19

Incident Energy (MeV)

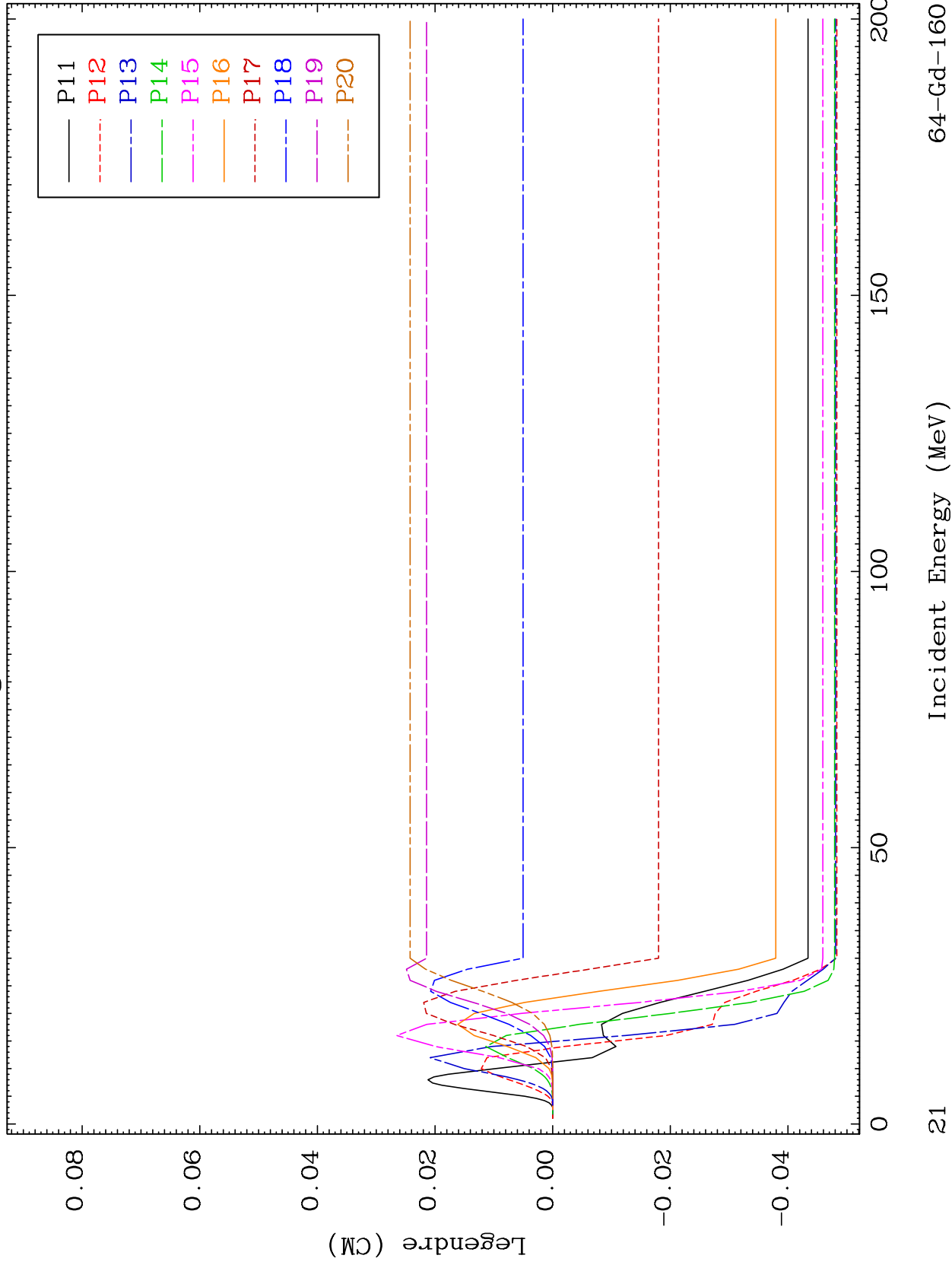
64-Gd-160



MAT 6449

75.26 keV (n,n') Level
Legendre Coefficients

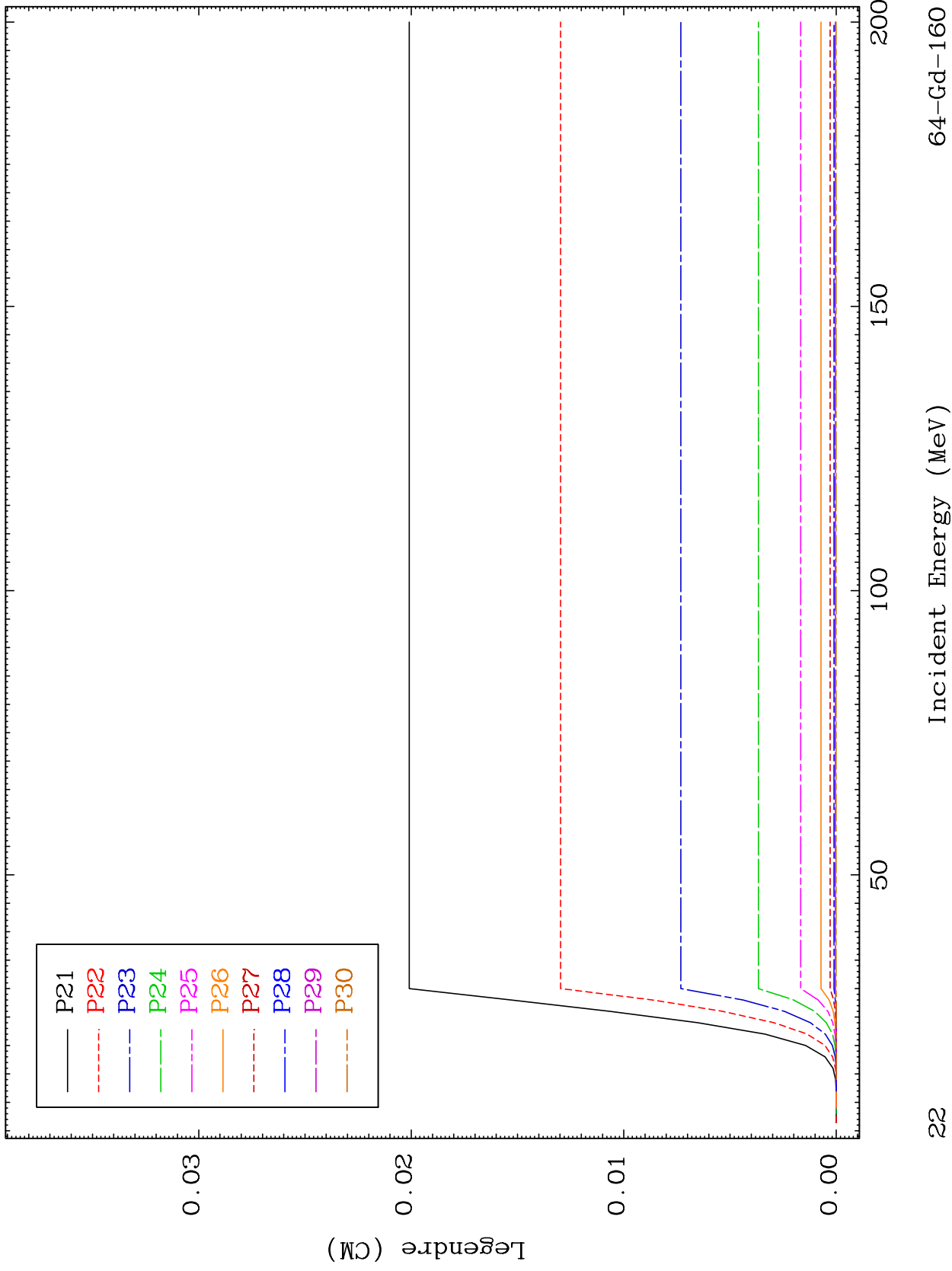
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21

Incident Energy (MeV)

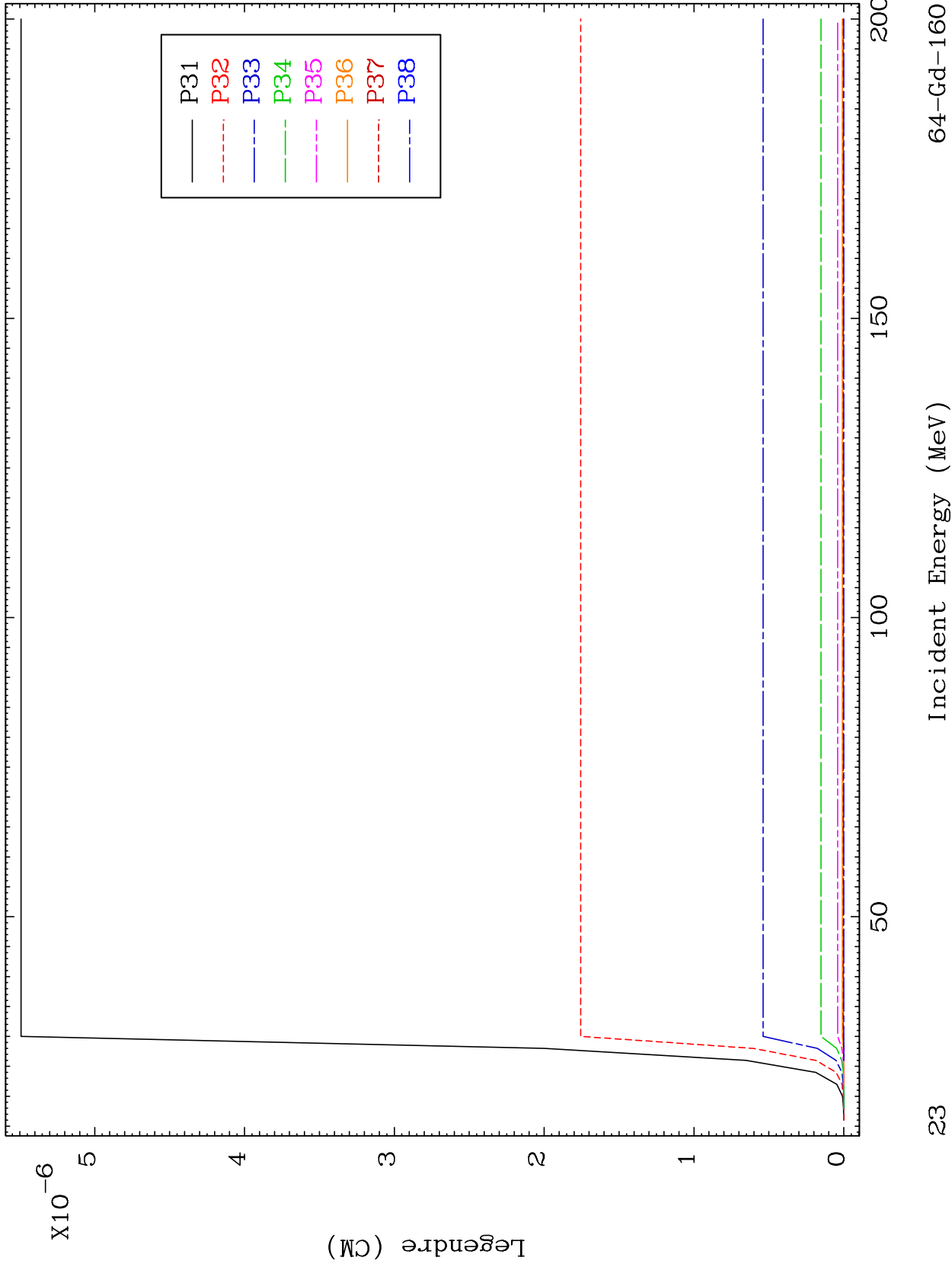
64-Gd-160



MAT 6449

75.26 keV (n,n') Level
Legendre Coefficients

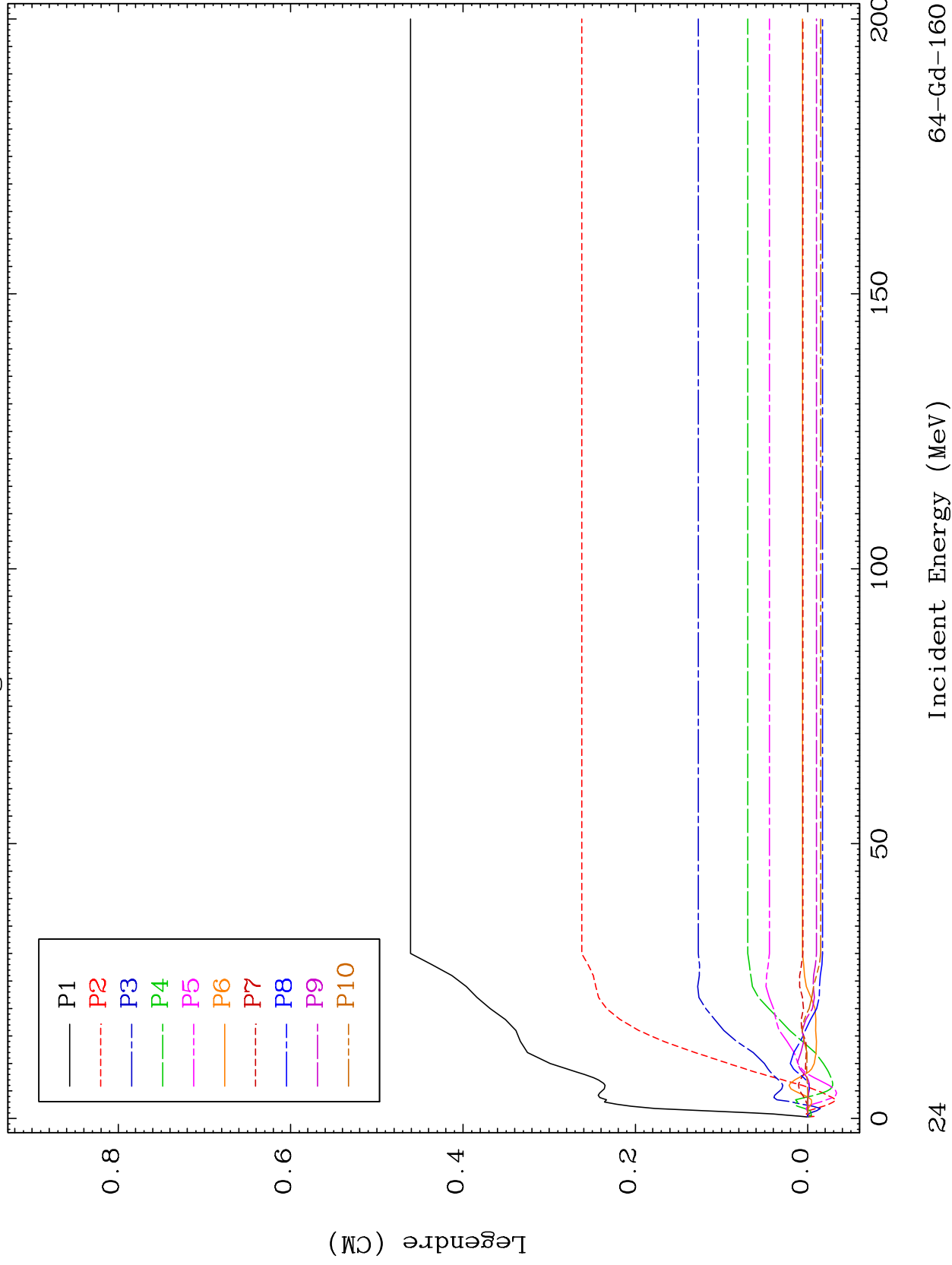
64-Gd-160



MAT 6449

248.5 keV (n,n') Level
Legendre Coefficients

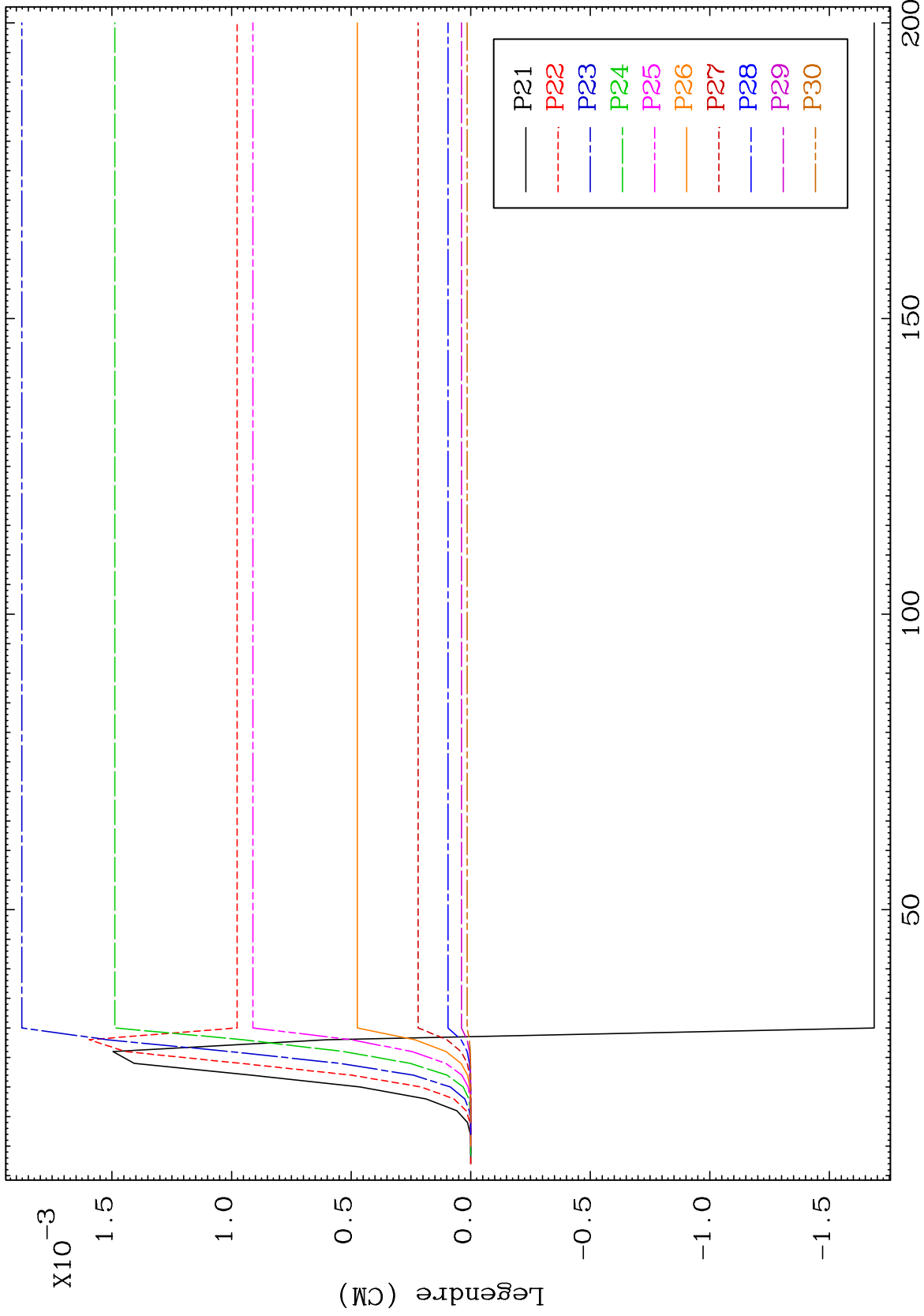
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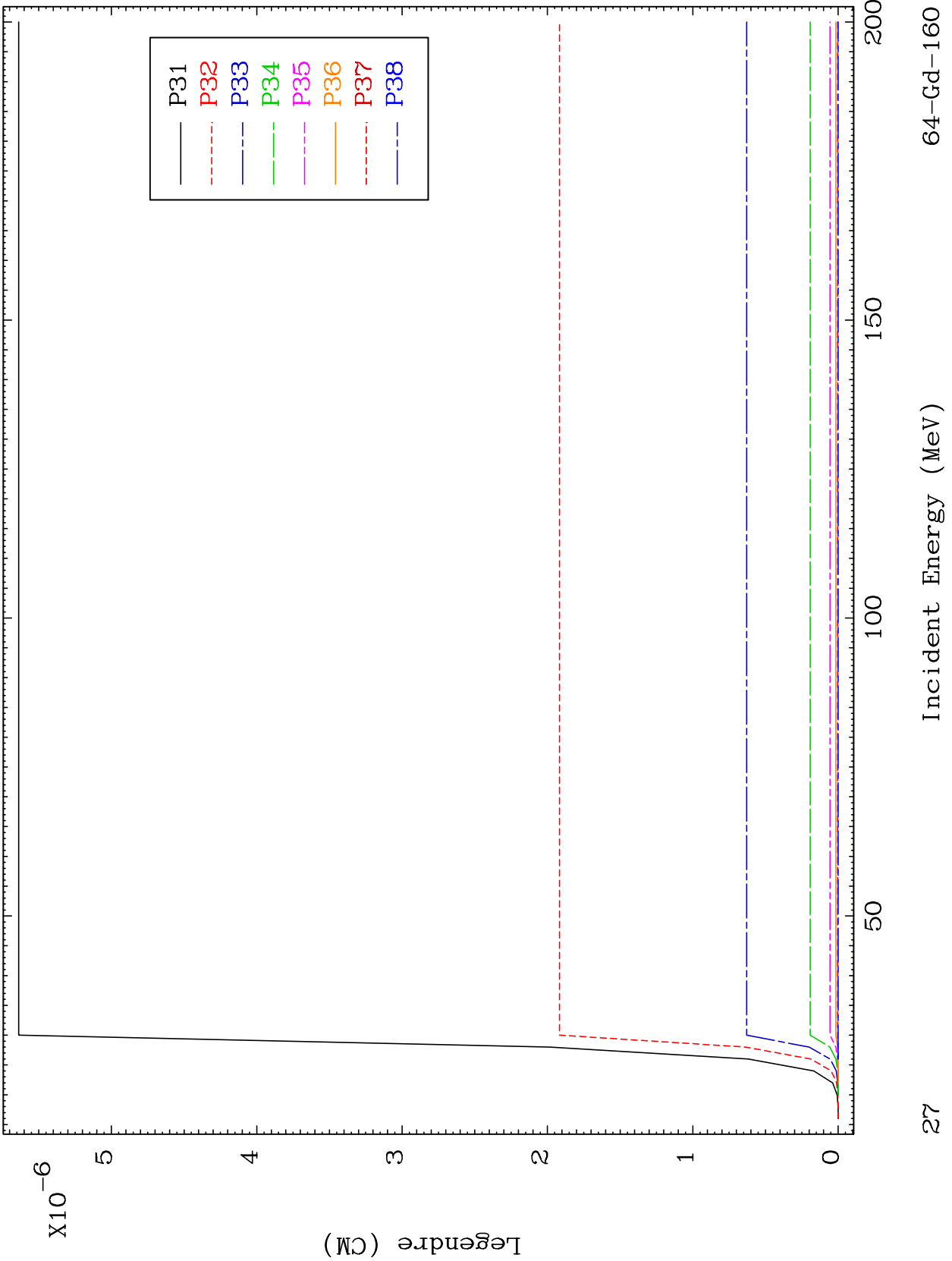


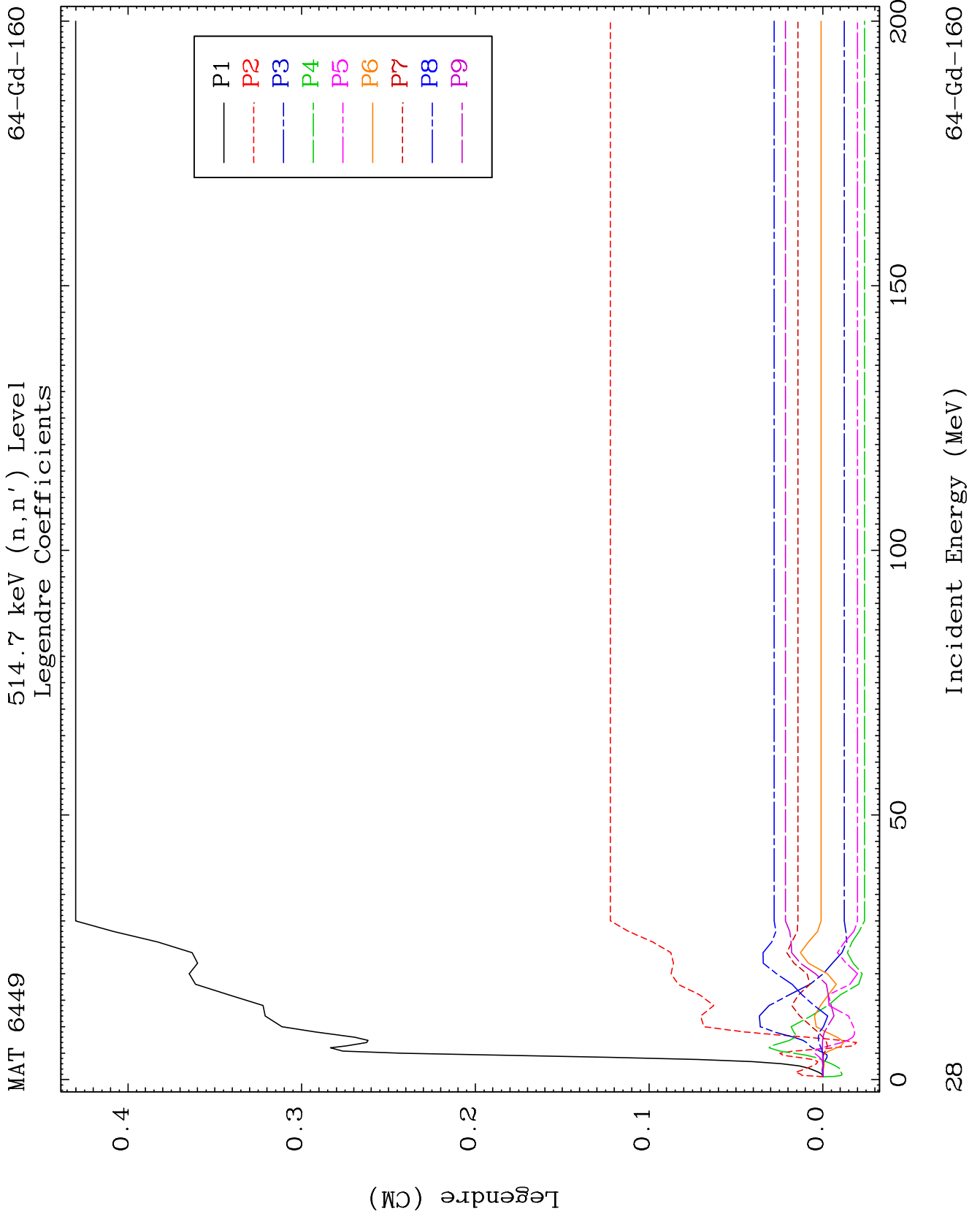
64-Gd-160

Incident Energy (MeV)

24



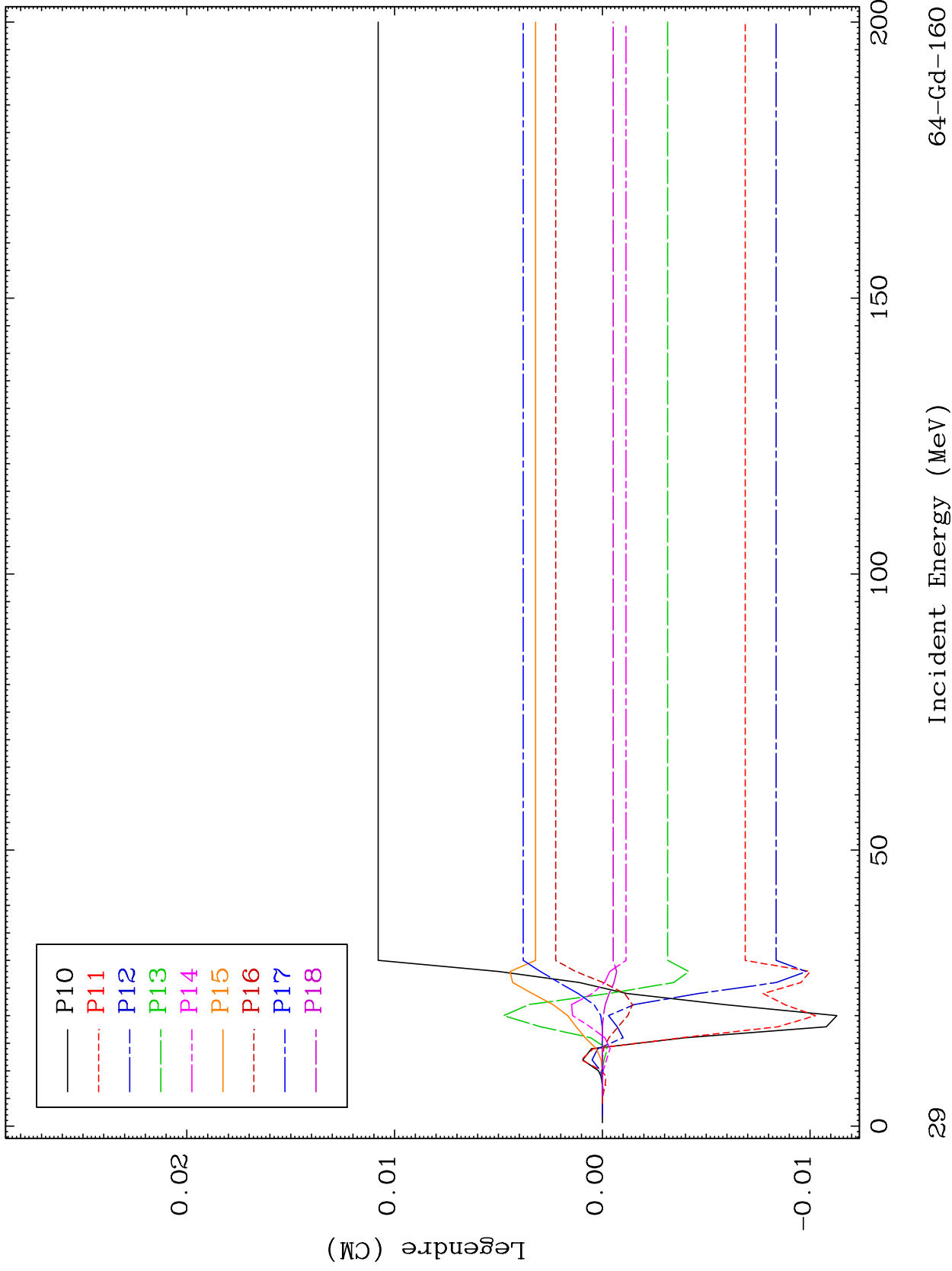




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514.7 keV (n,n') Level
Legendre Coefficients

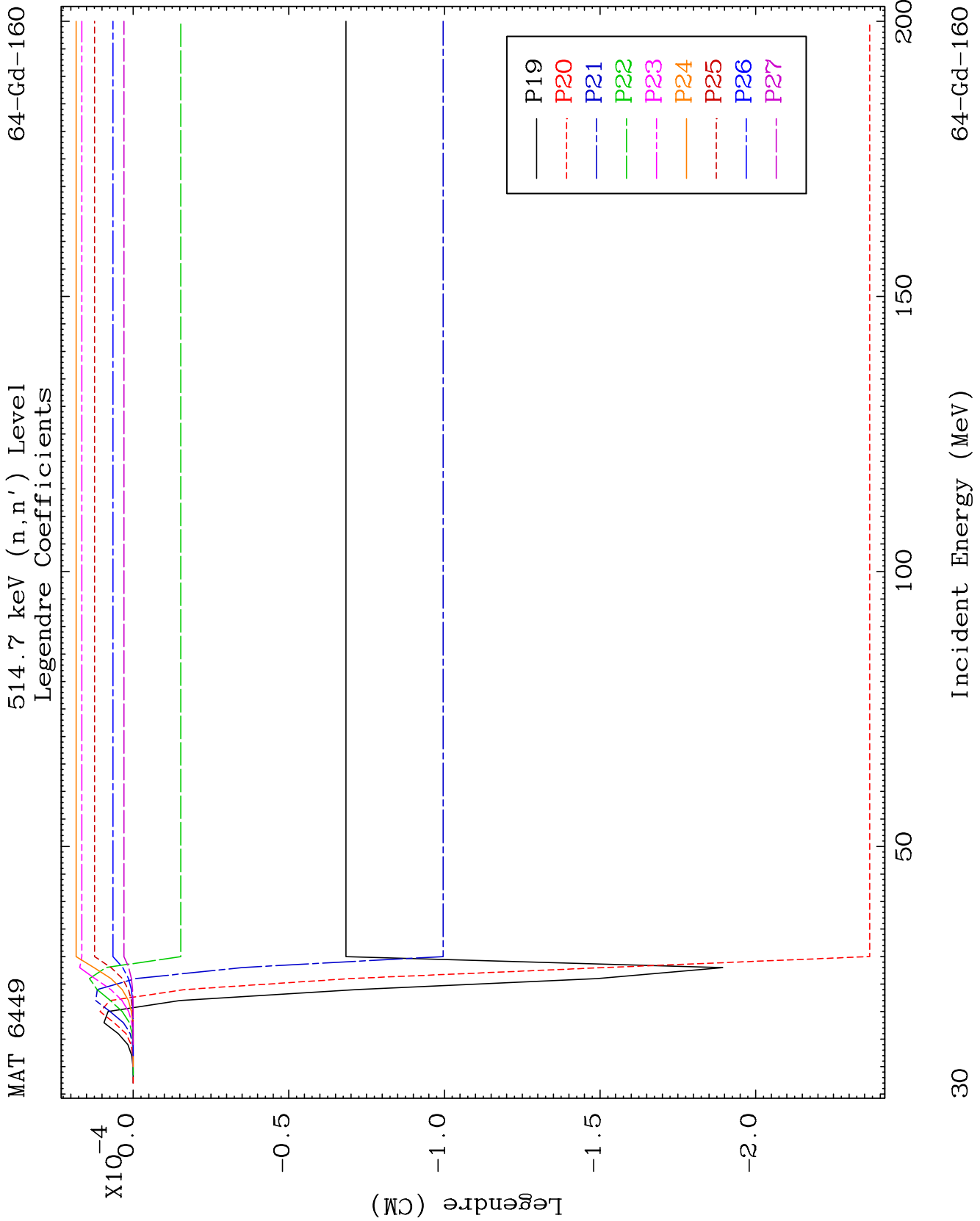
64-Gd-160



29

Incident Energy (MeV)

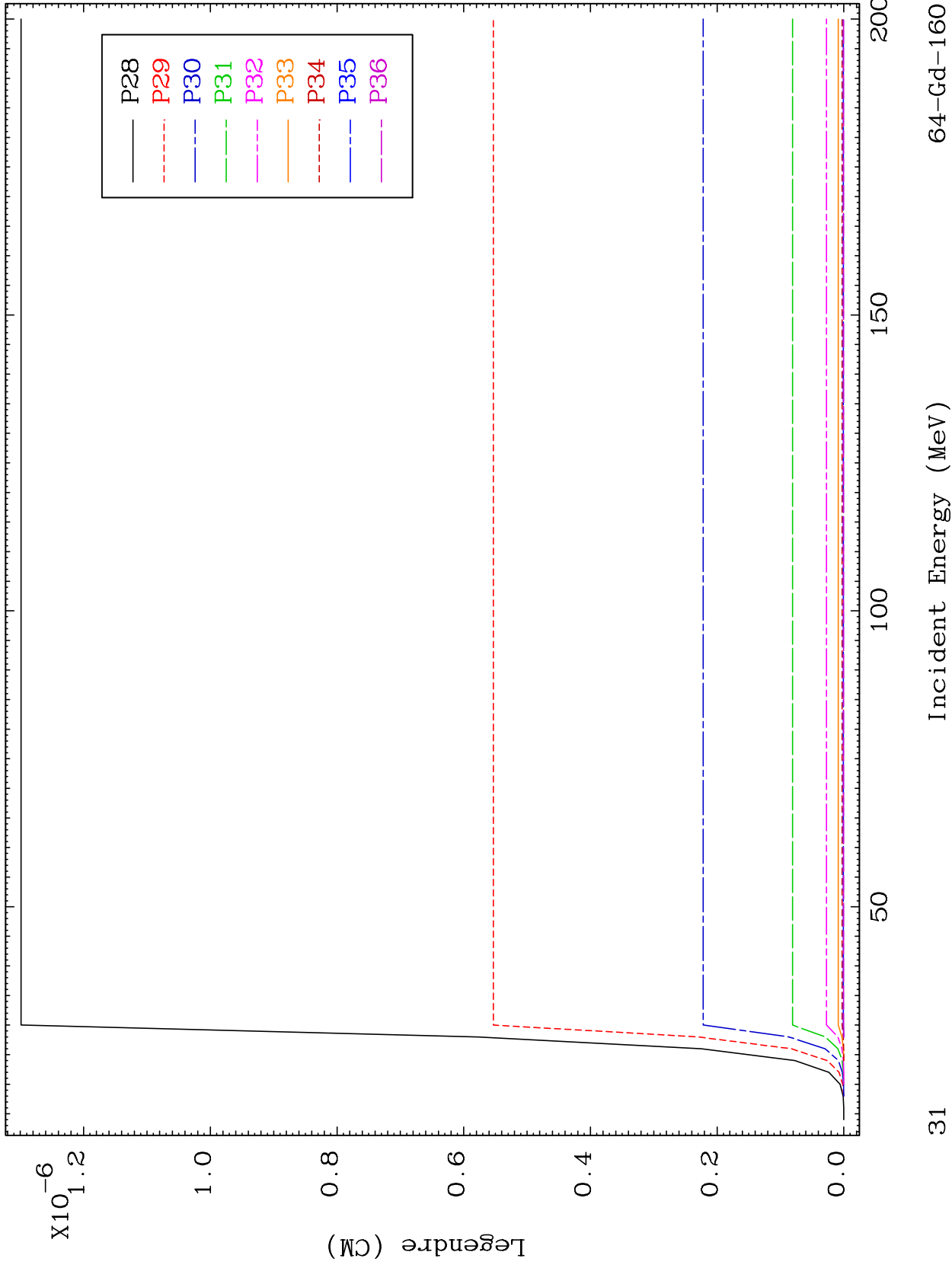
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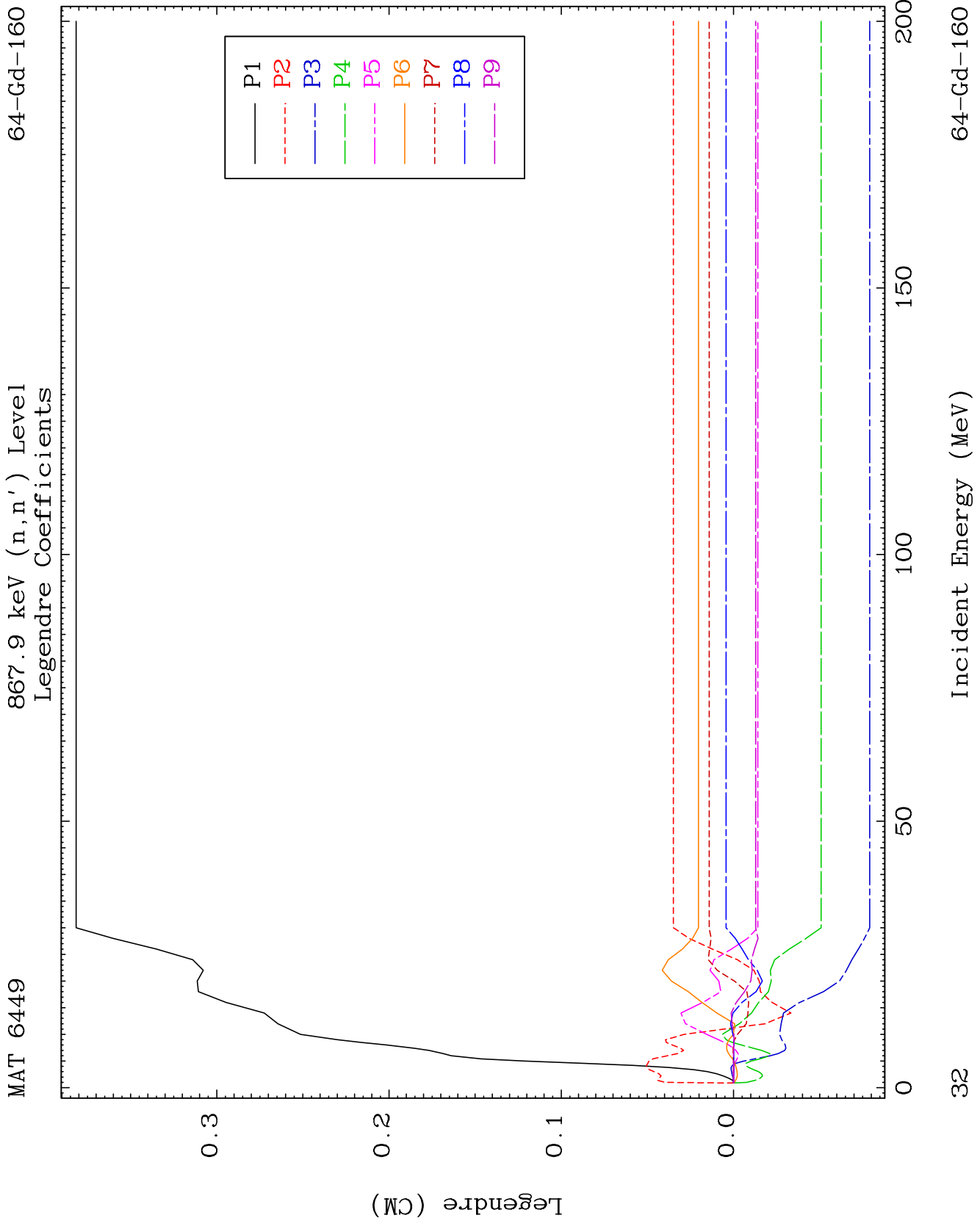
MAT 6449

514.7 keV (n,n') Level
Legendre Coefficients

64-Gd-160



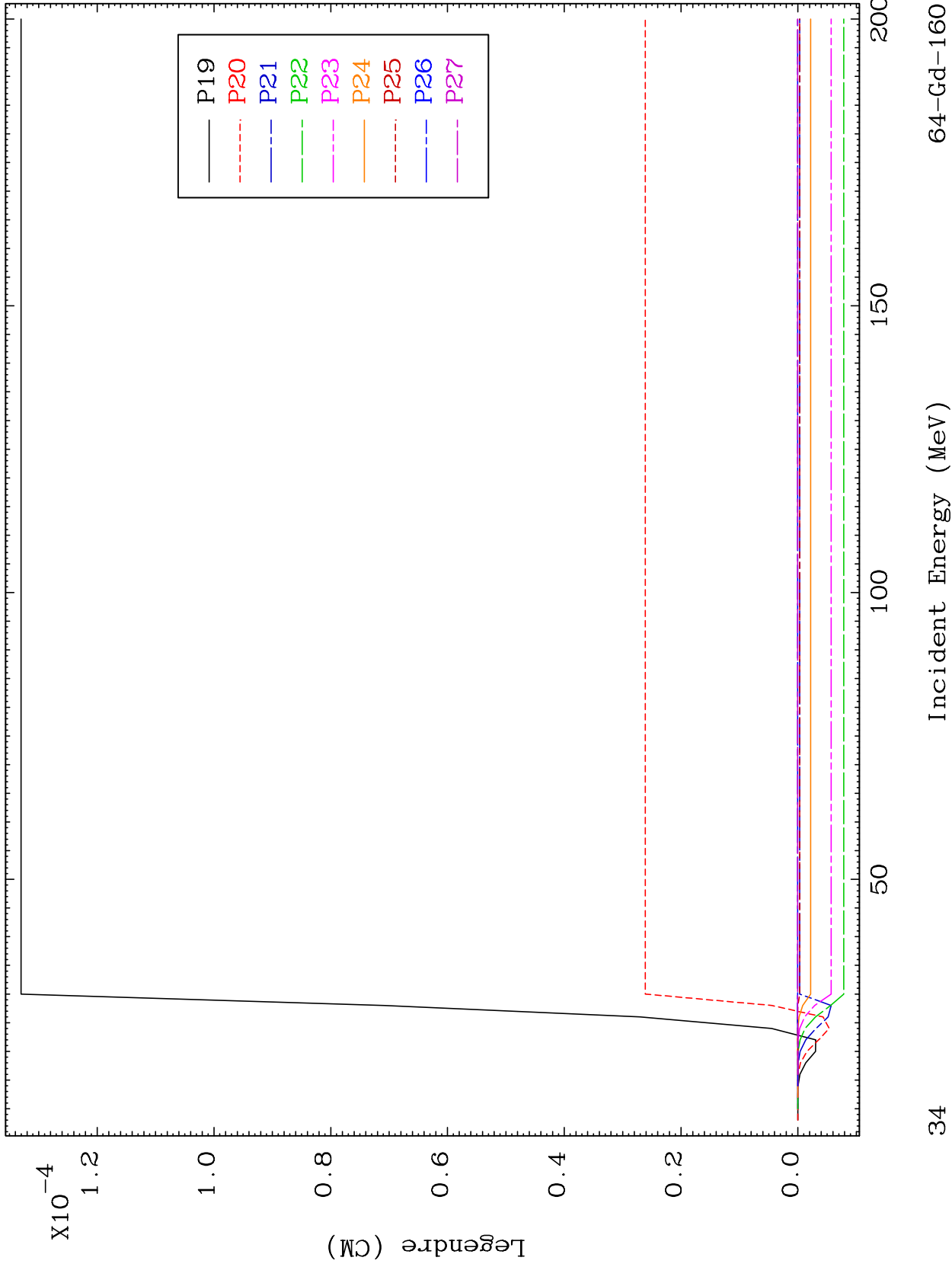
31



MAT 6449

867.9 keV (n,n') Level
Legendre Coefficients

64-Gd-160



34

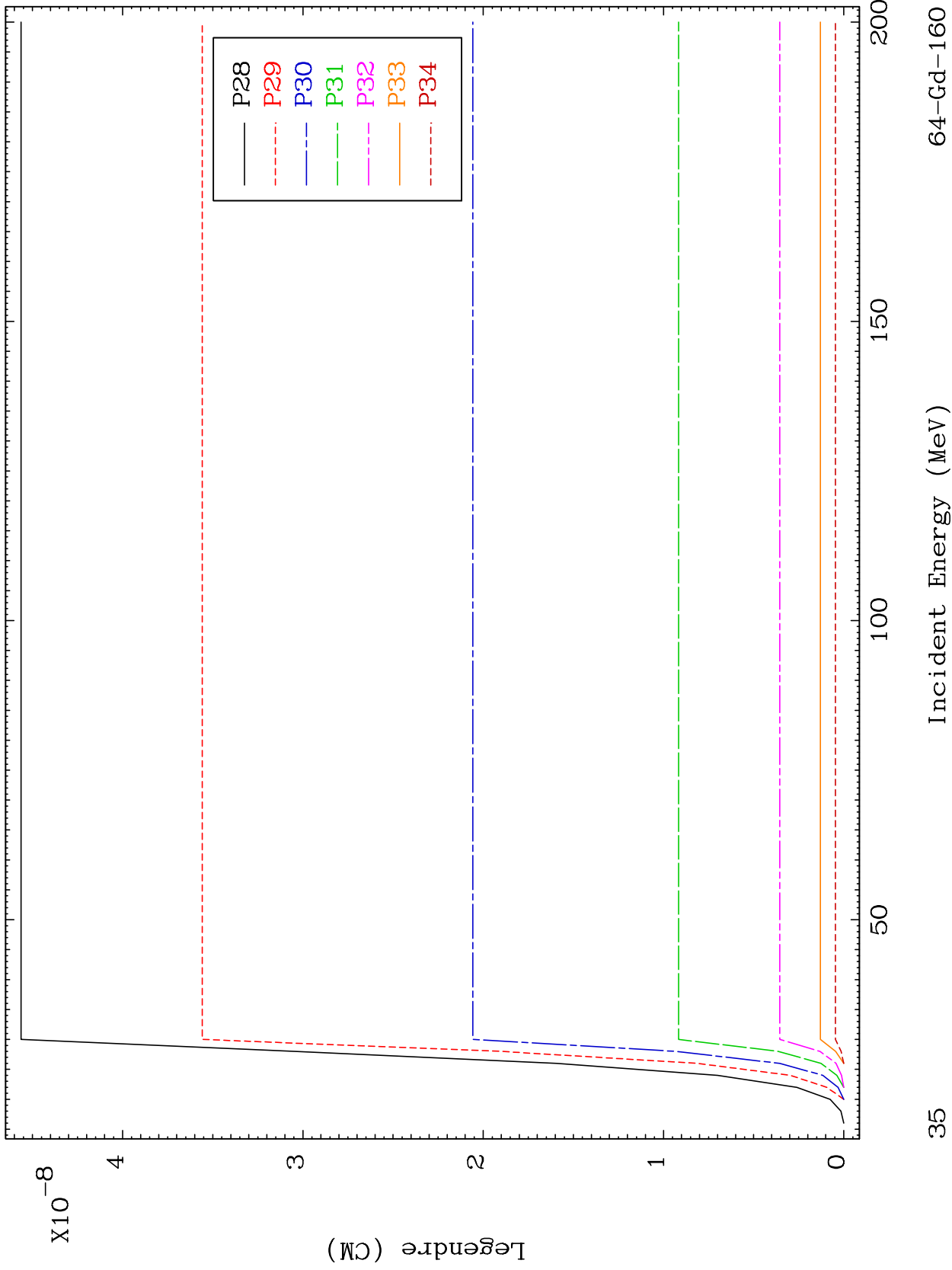
Incident Energy (MeV)

64-Gd-160

MAT 6449

867.9 keV (n, n') Level
Legendre Coefficients

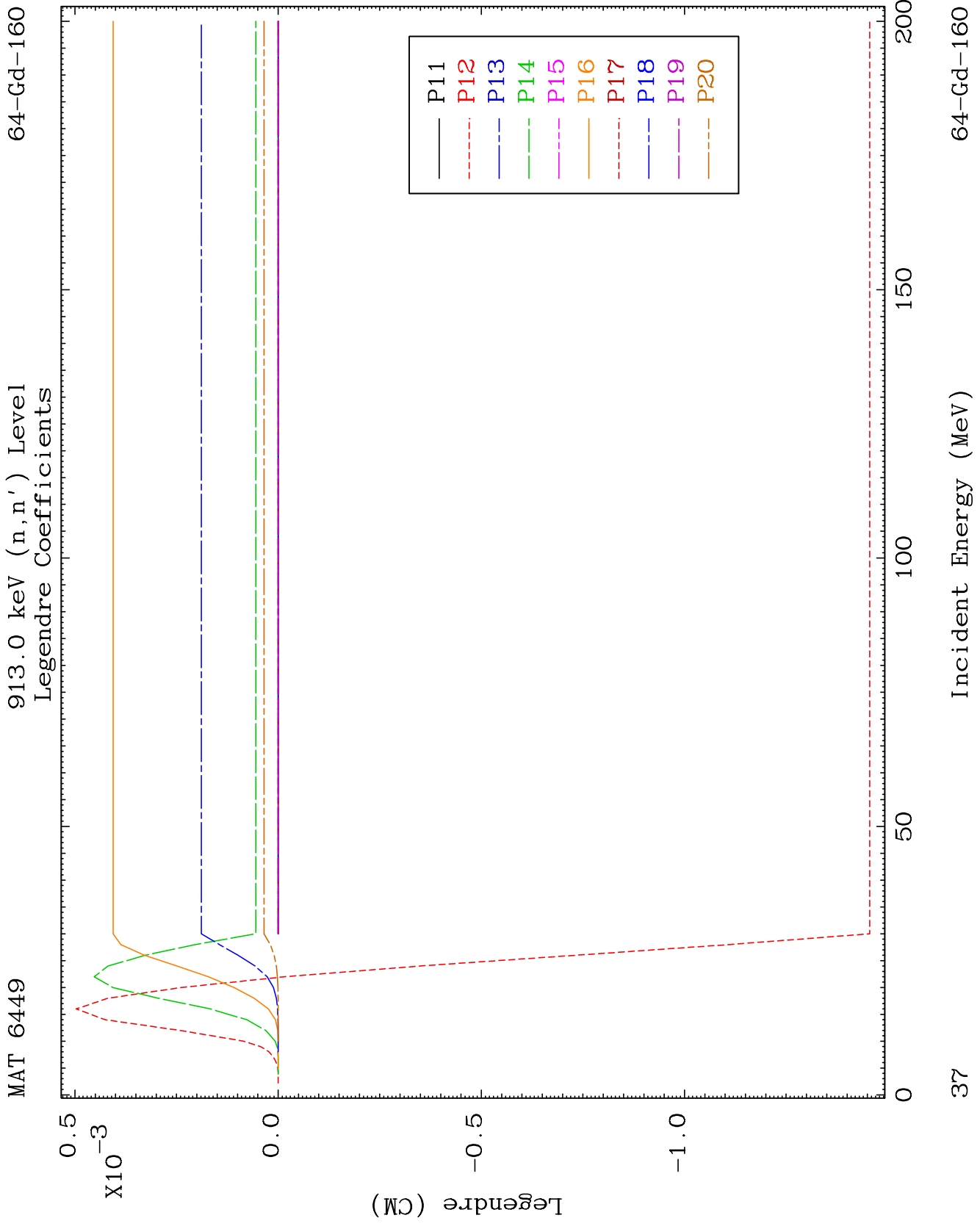
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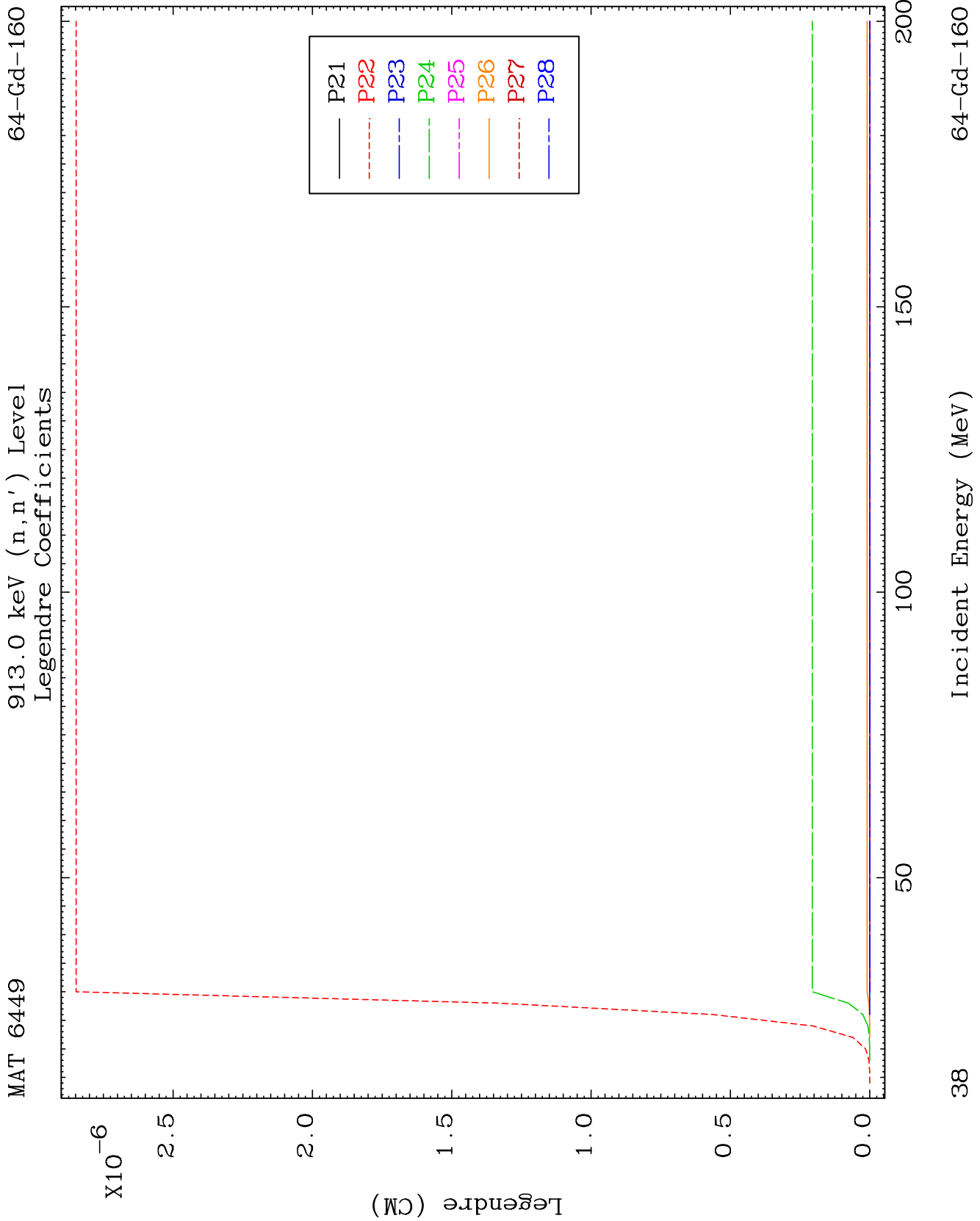


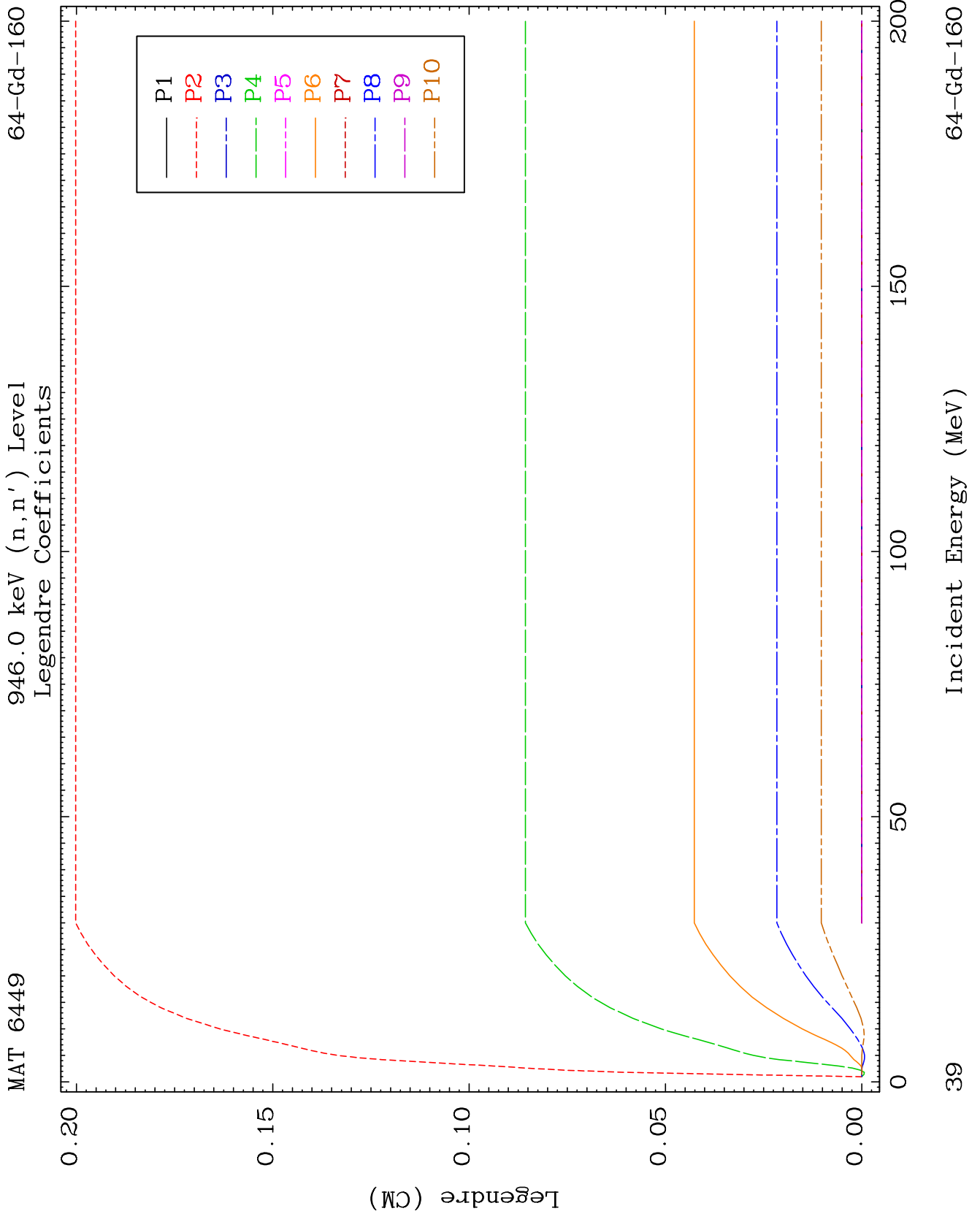
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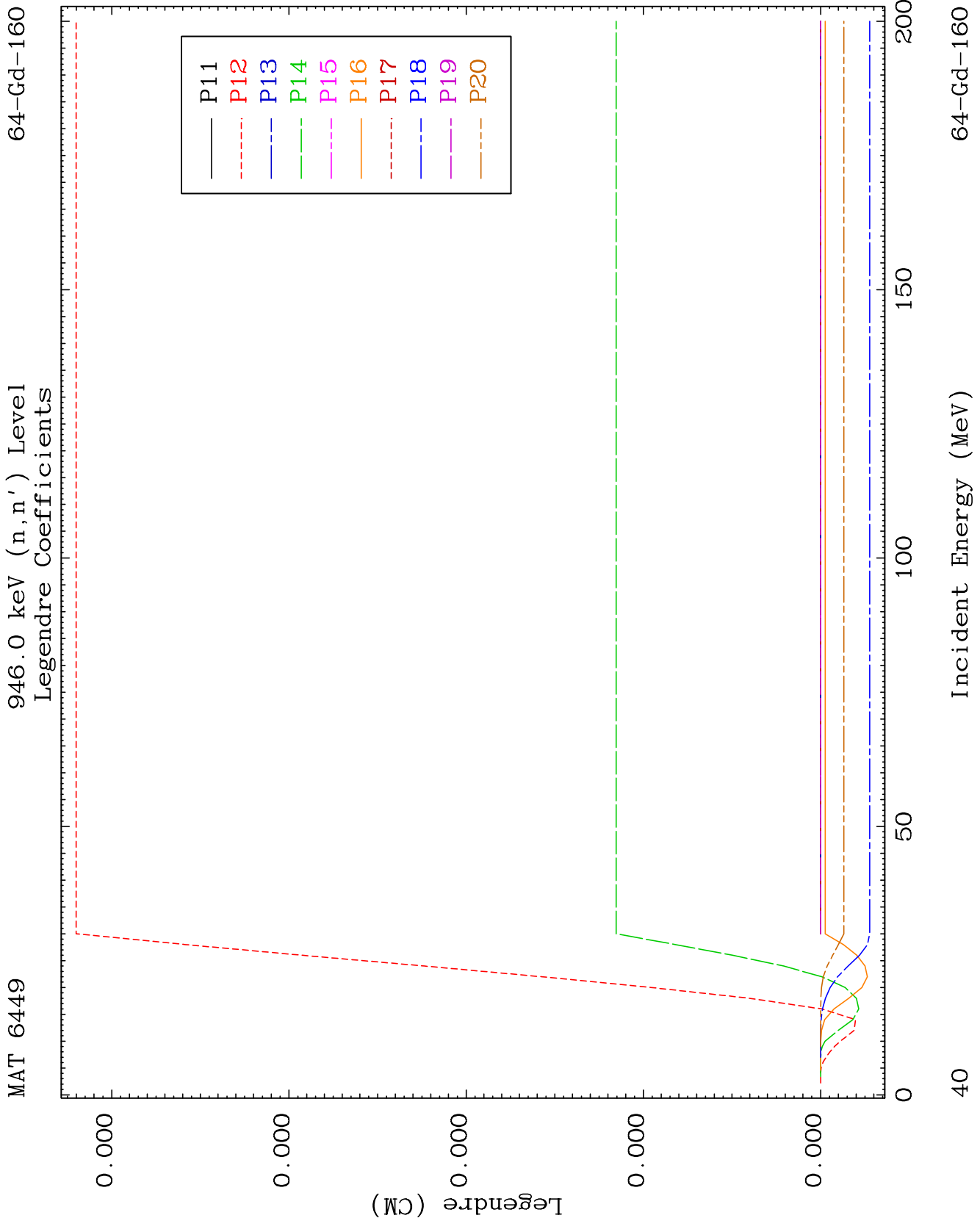
Incident Energy (MeV)

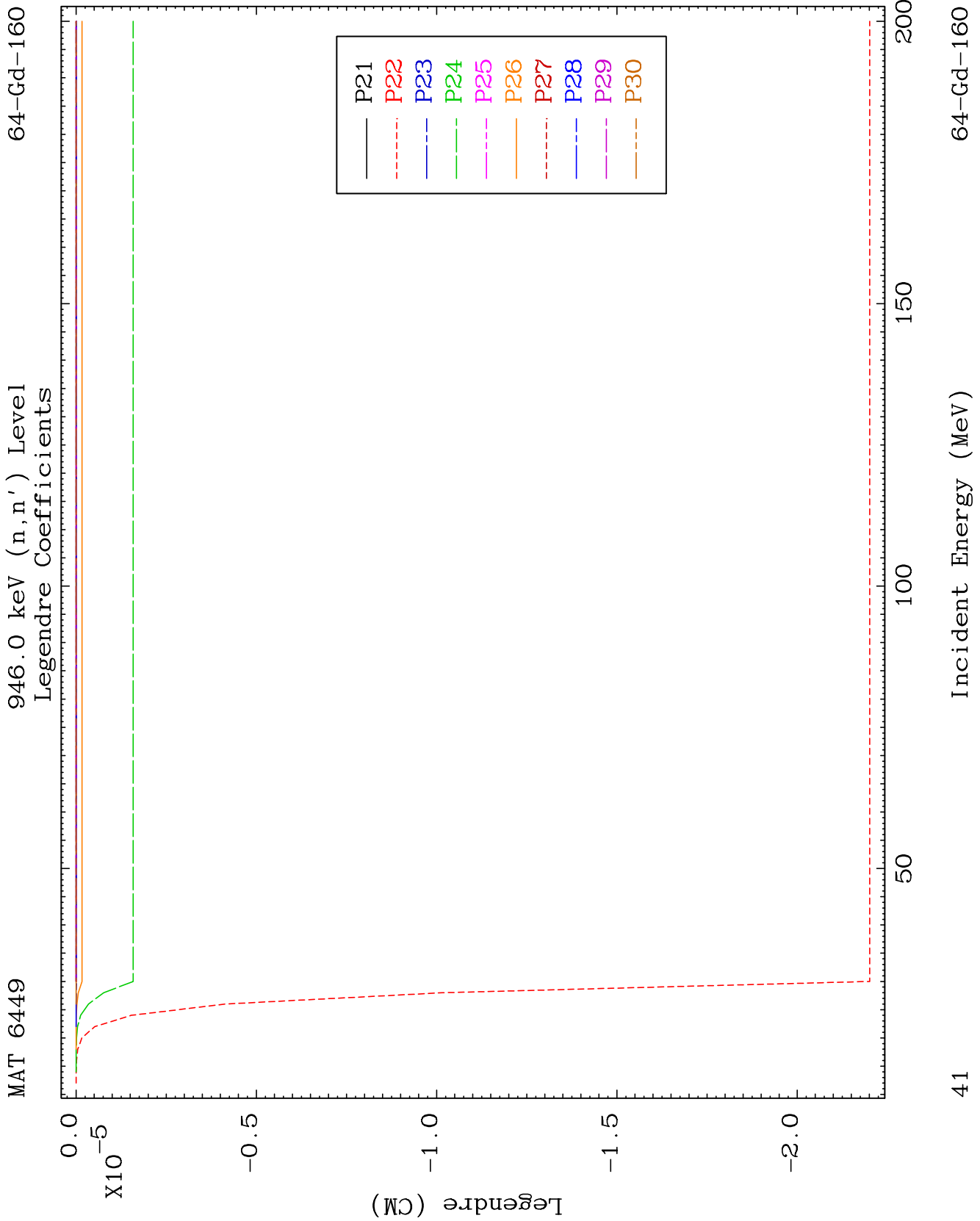
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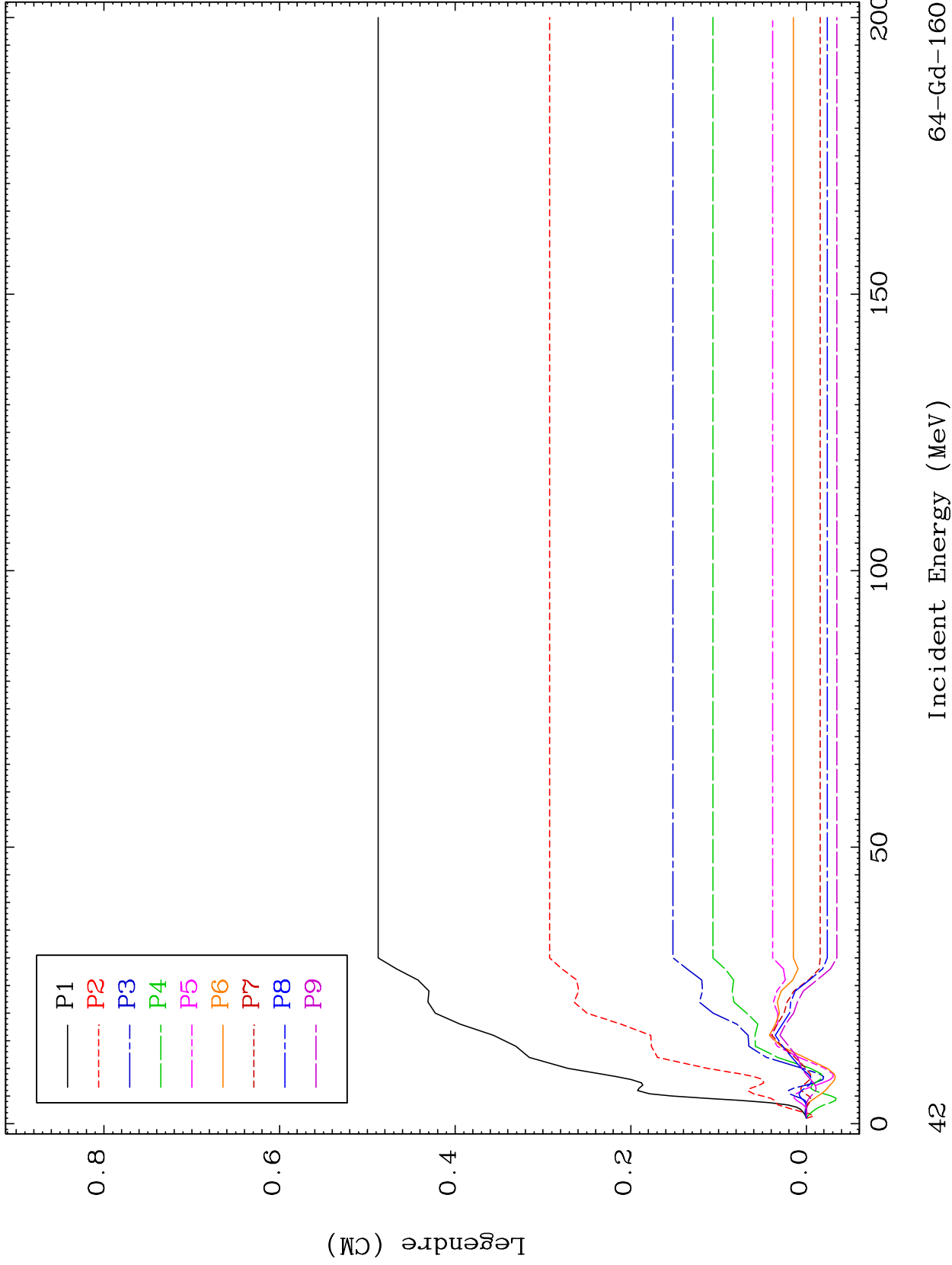




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988.4 keV (n,n') Level
Legendre Coefficients

64-Gd-160



64-Gd-160

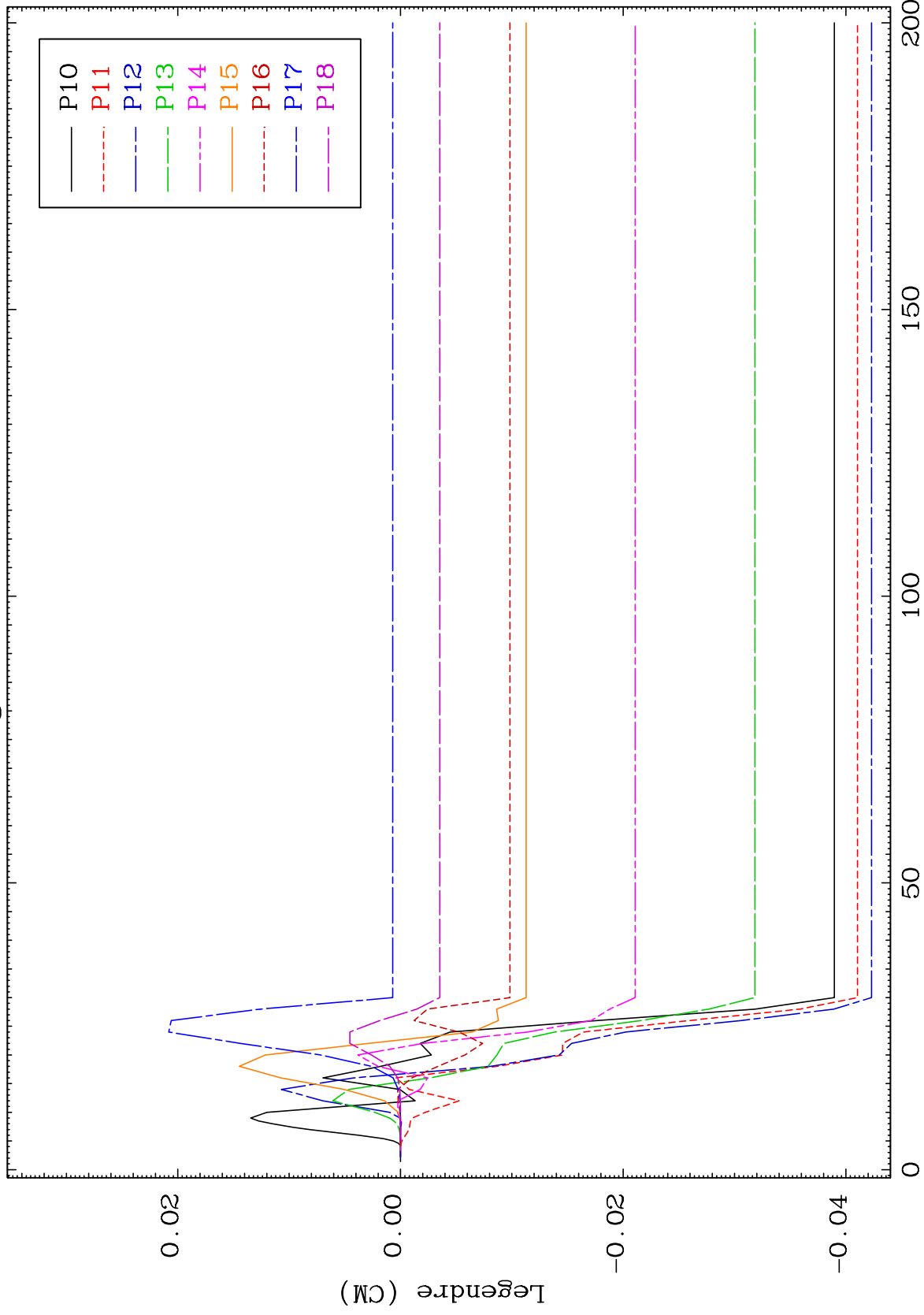
Incident Energy (MeV)

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MAT 6449

988.4 keV (n,n') Level
Legendre Coefficients

64-Gd-160



43

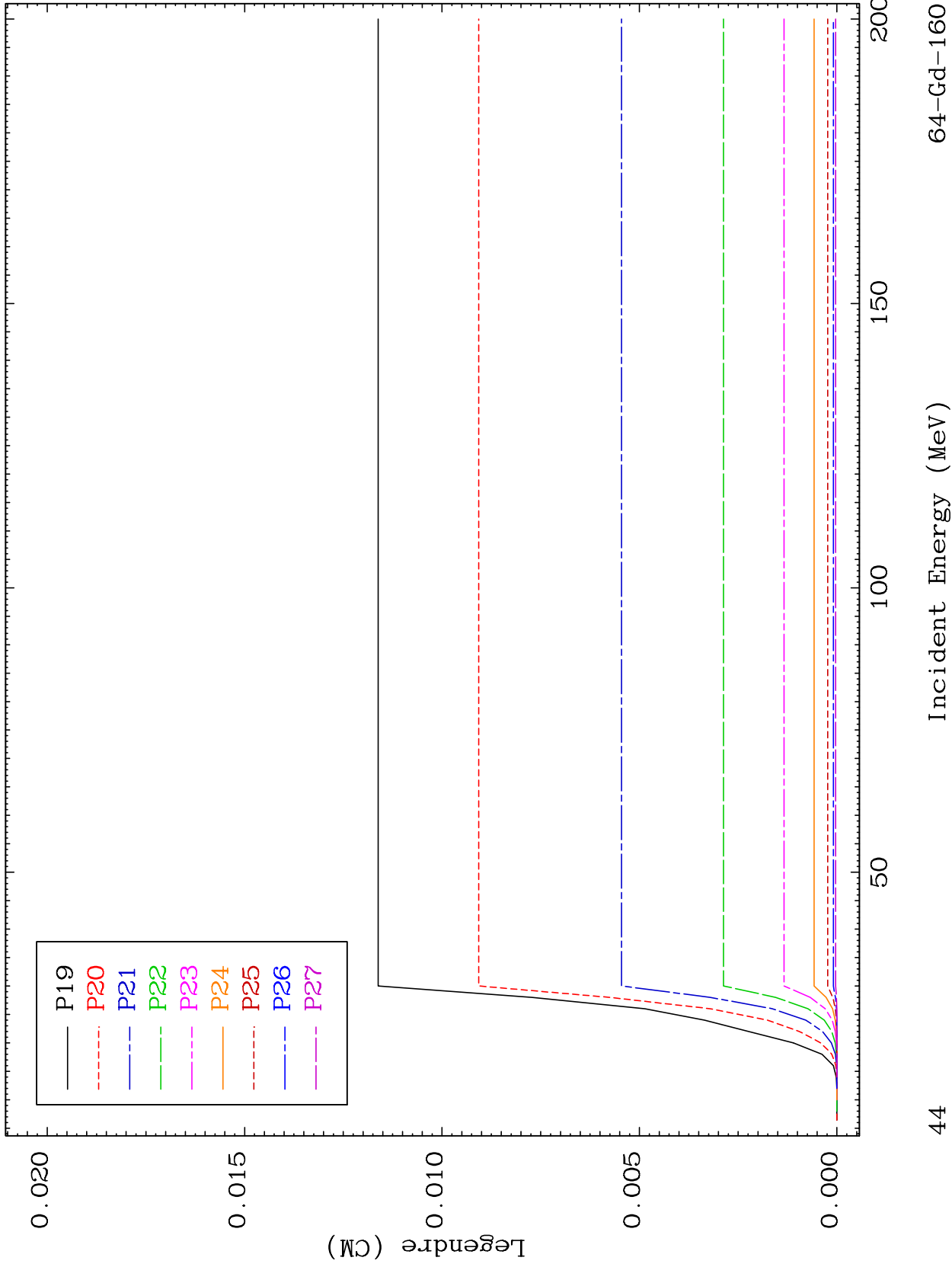
Incident Energy (MeV)

64-Gd-160

MAT 6449

988.4 keV (n,n') Level
Legendre Coefficients

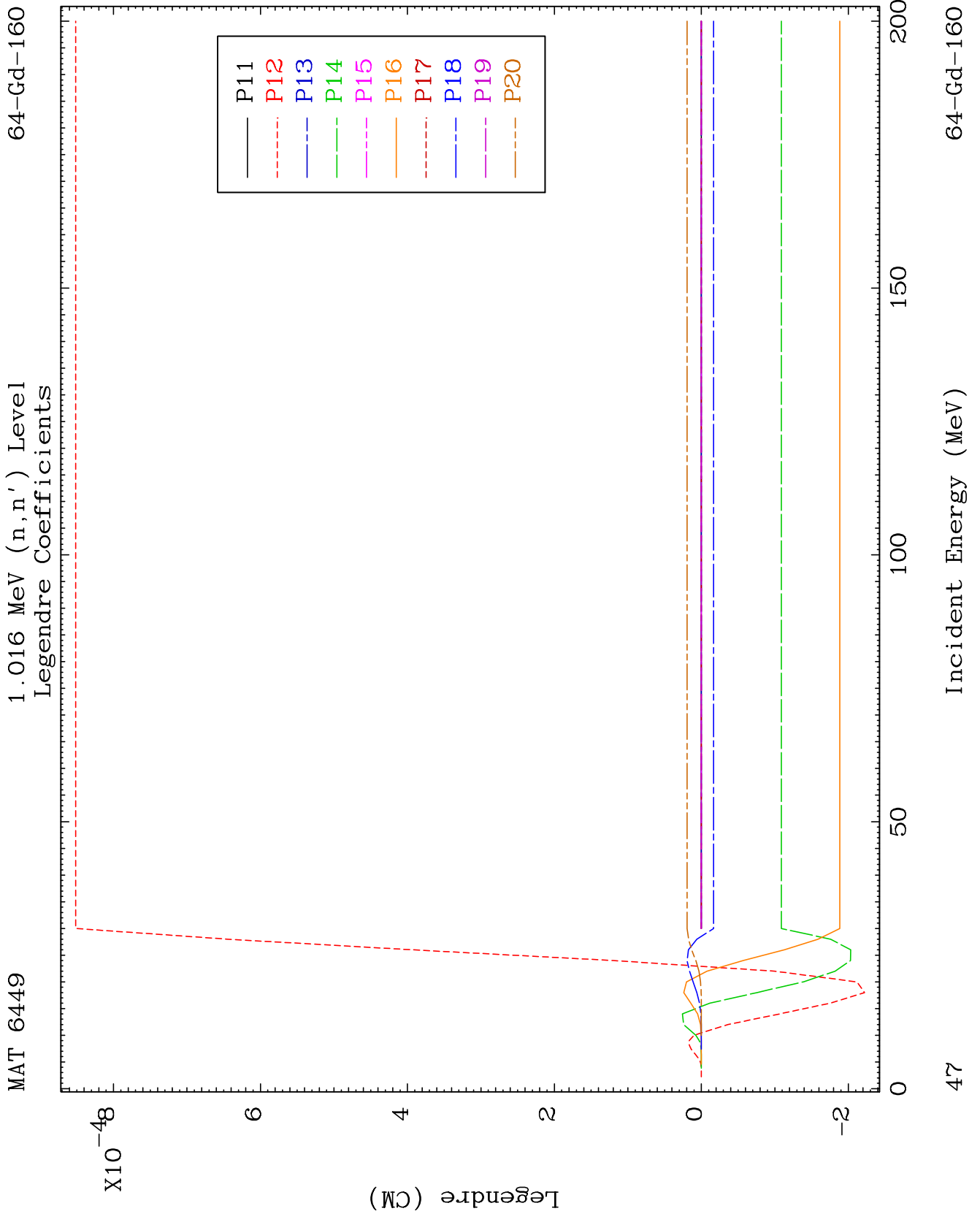
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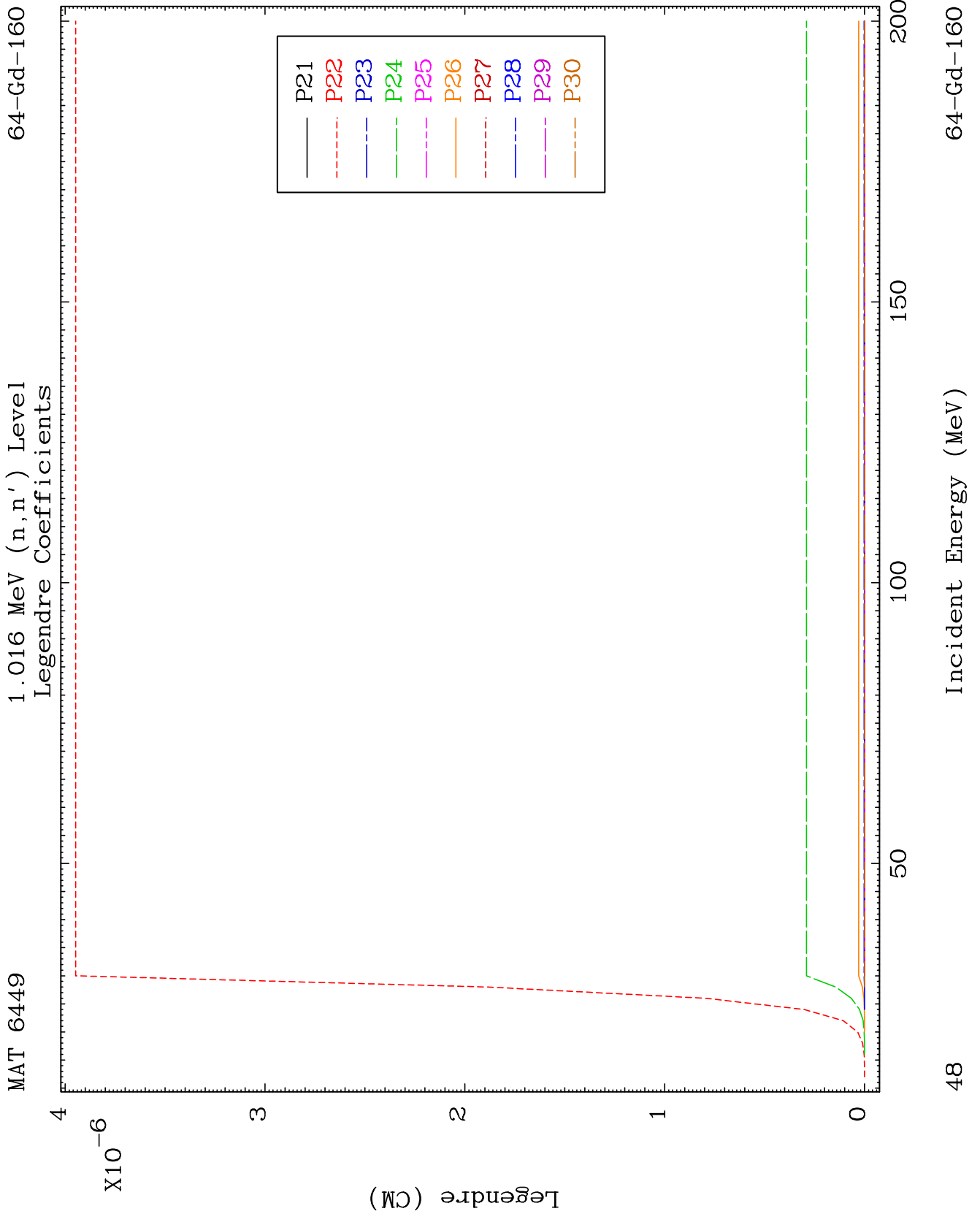


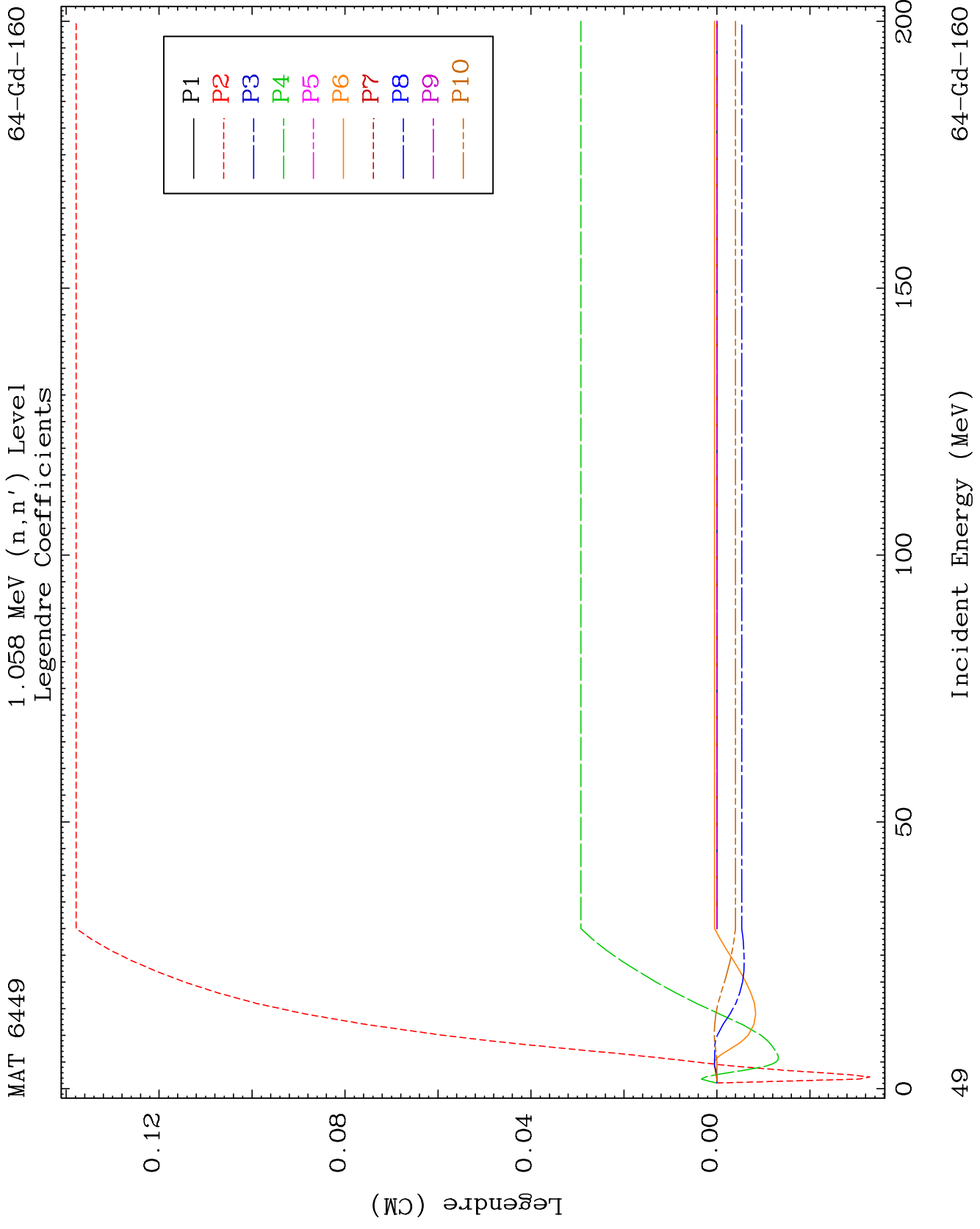
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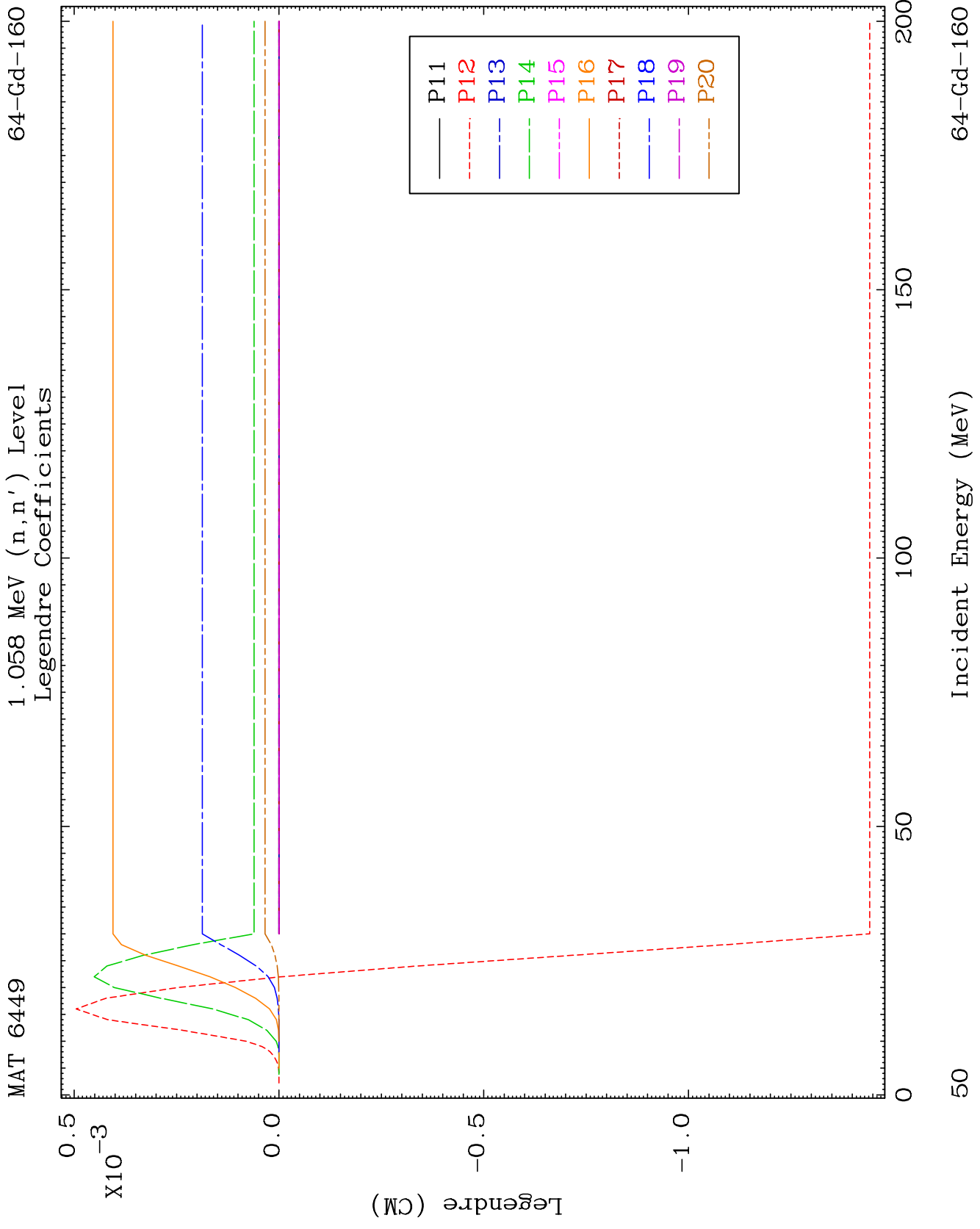
Incident Energy (MeV)

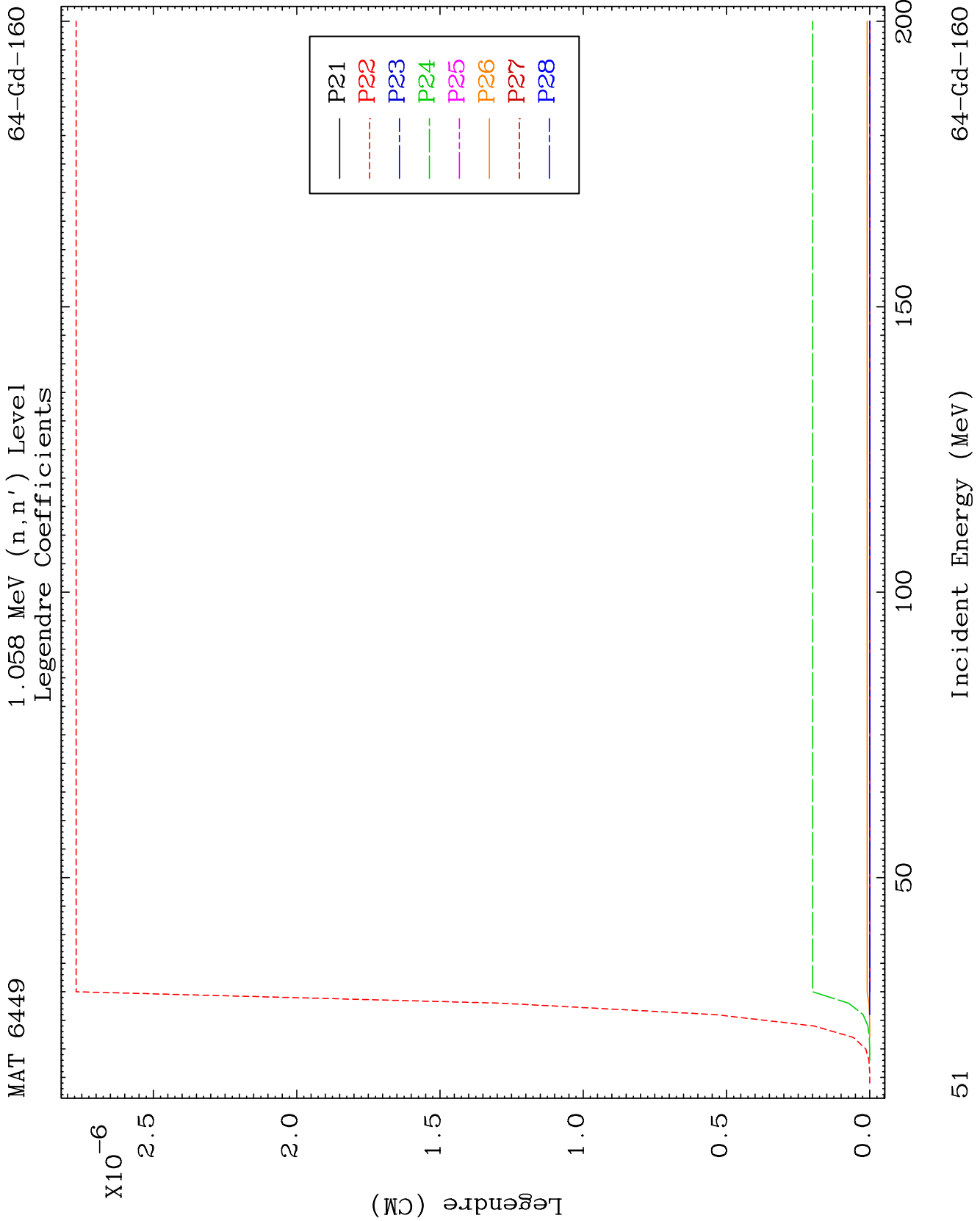
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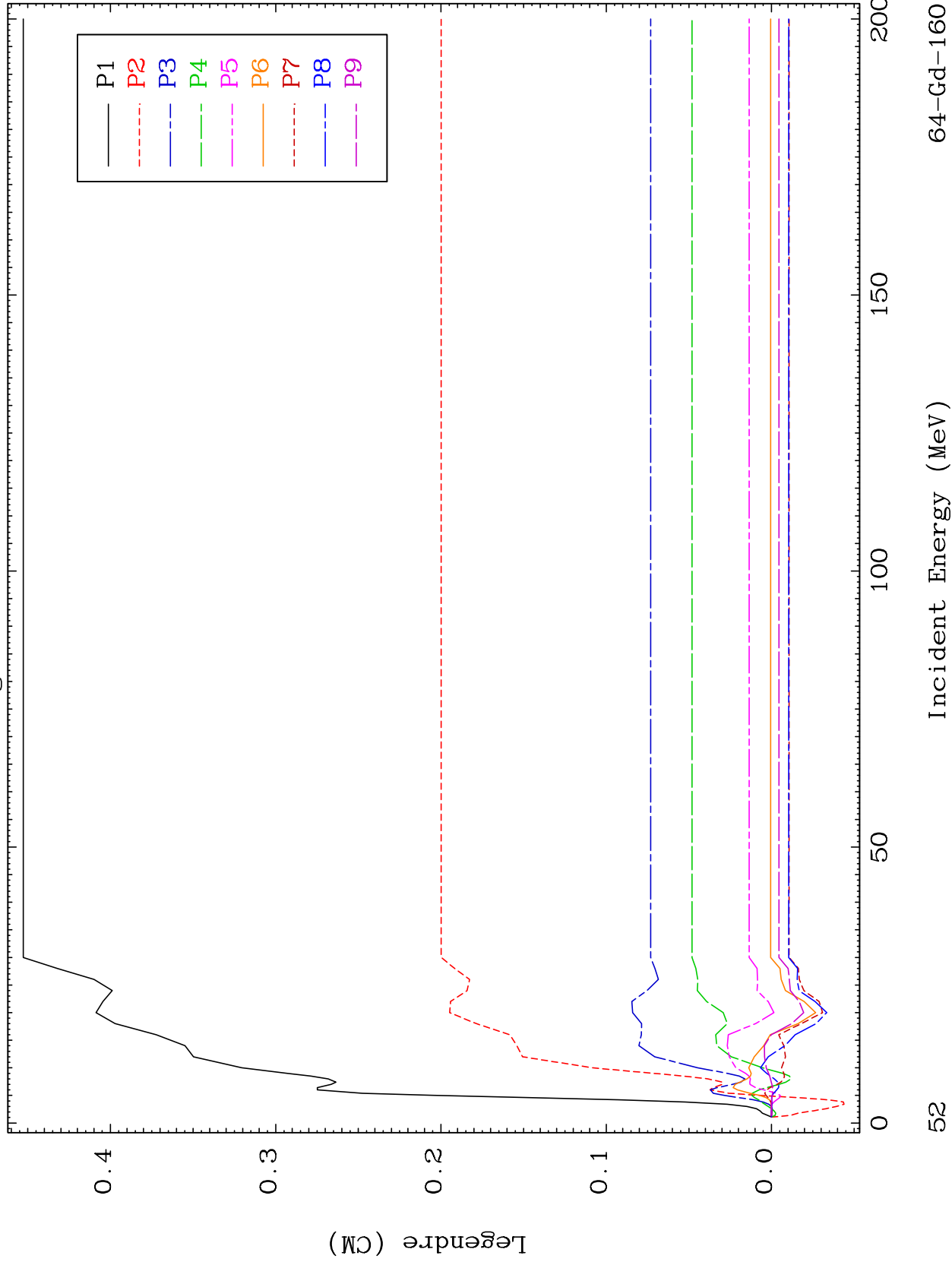




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1.070 MeV (n,n') Level
Legendre Coefficients

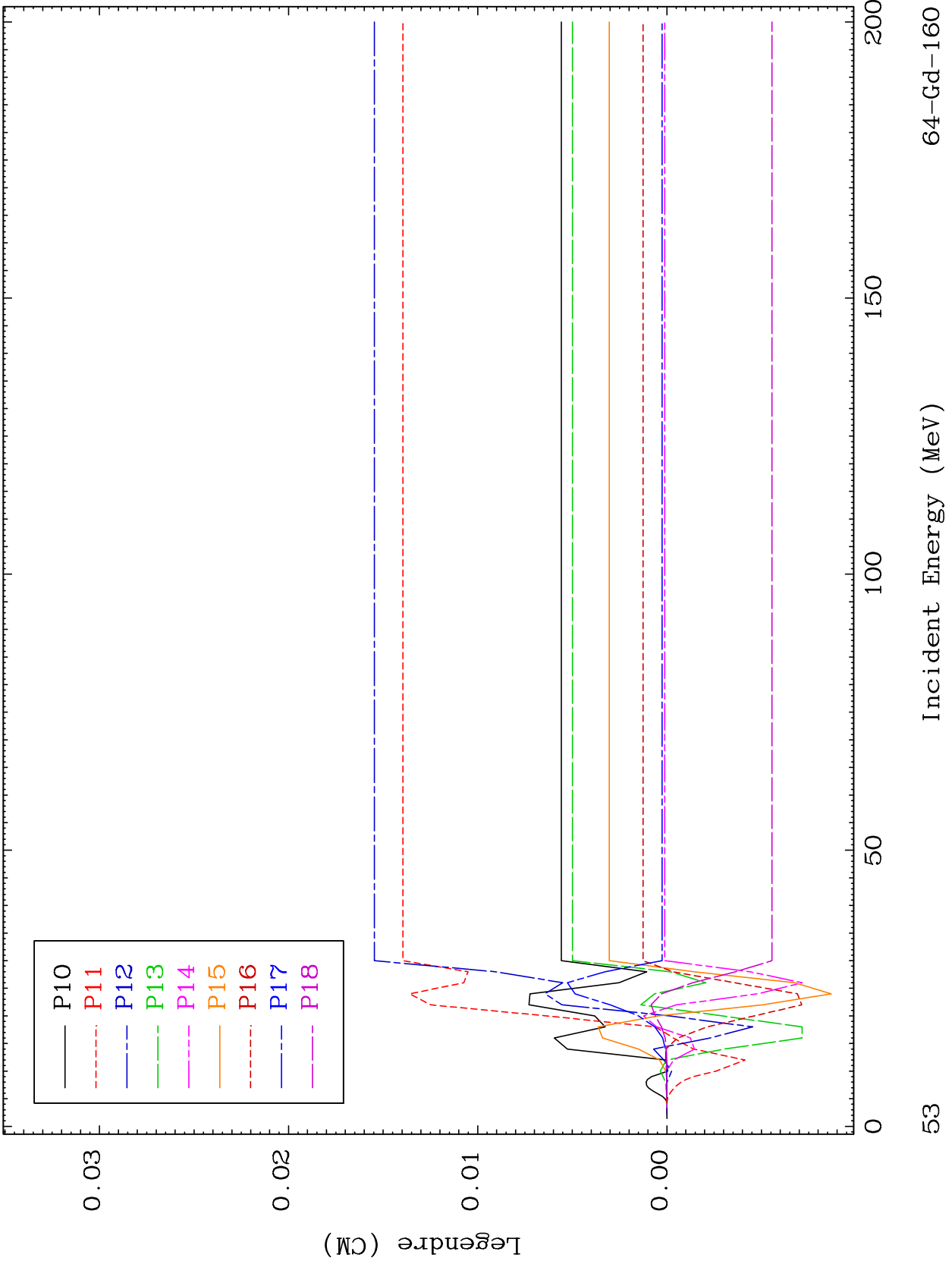
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64-Gd-160

Incident Energy (MeV)

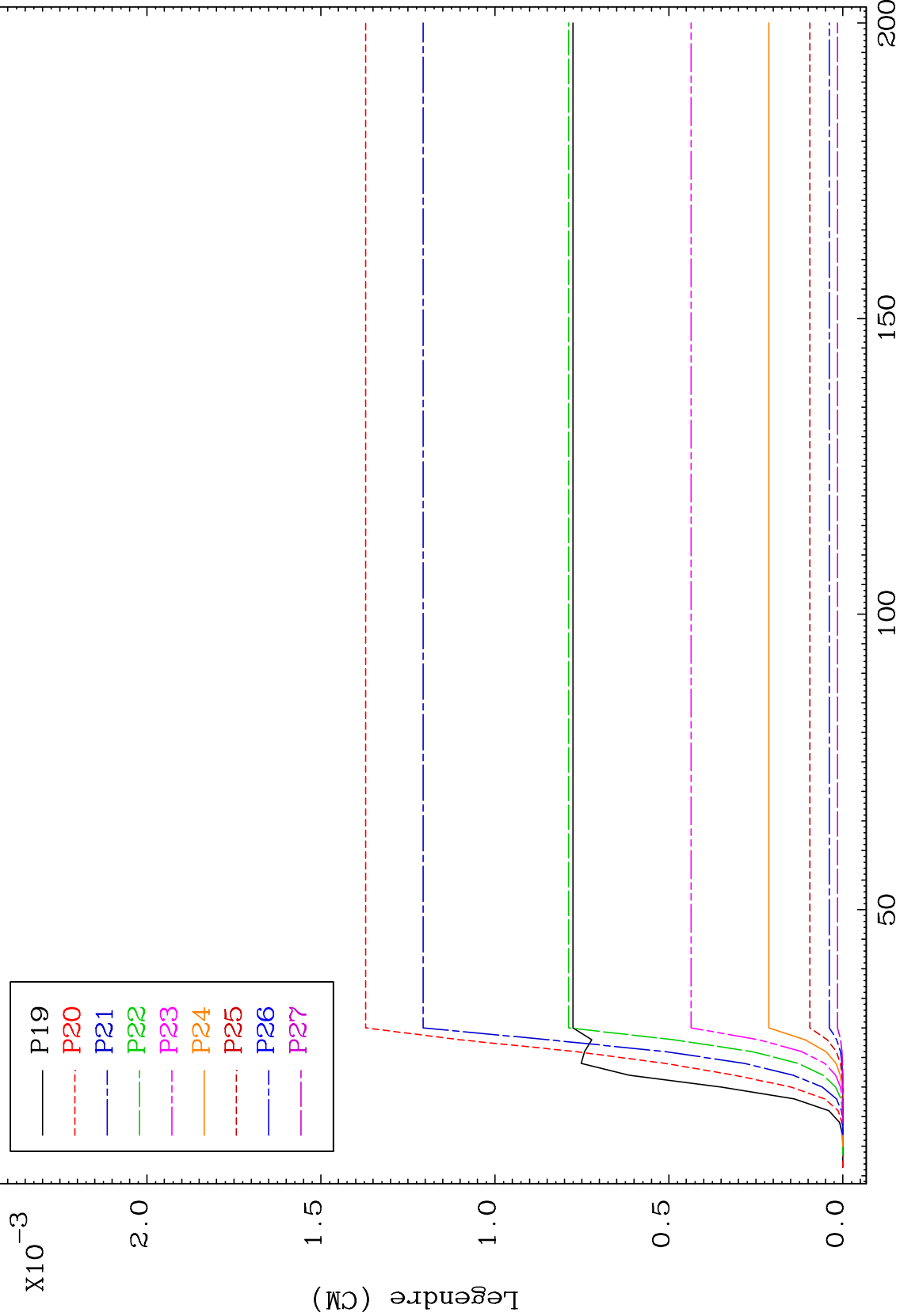
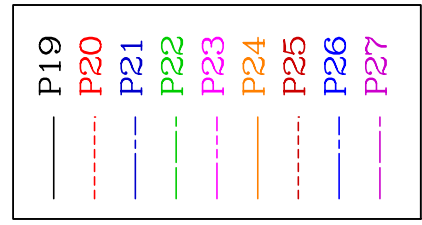
52



MAT 6449

1.070 MeV (n, n') Level
Legendre Coefficients

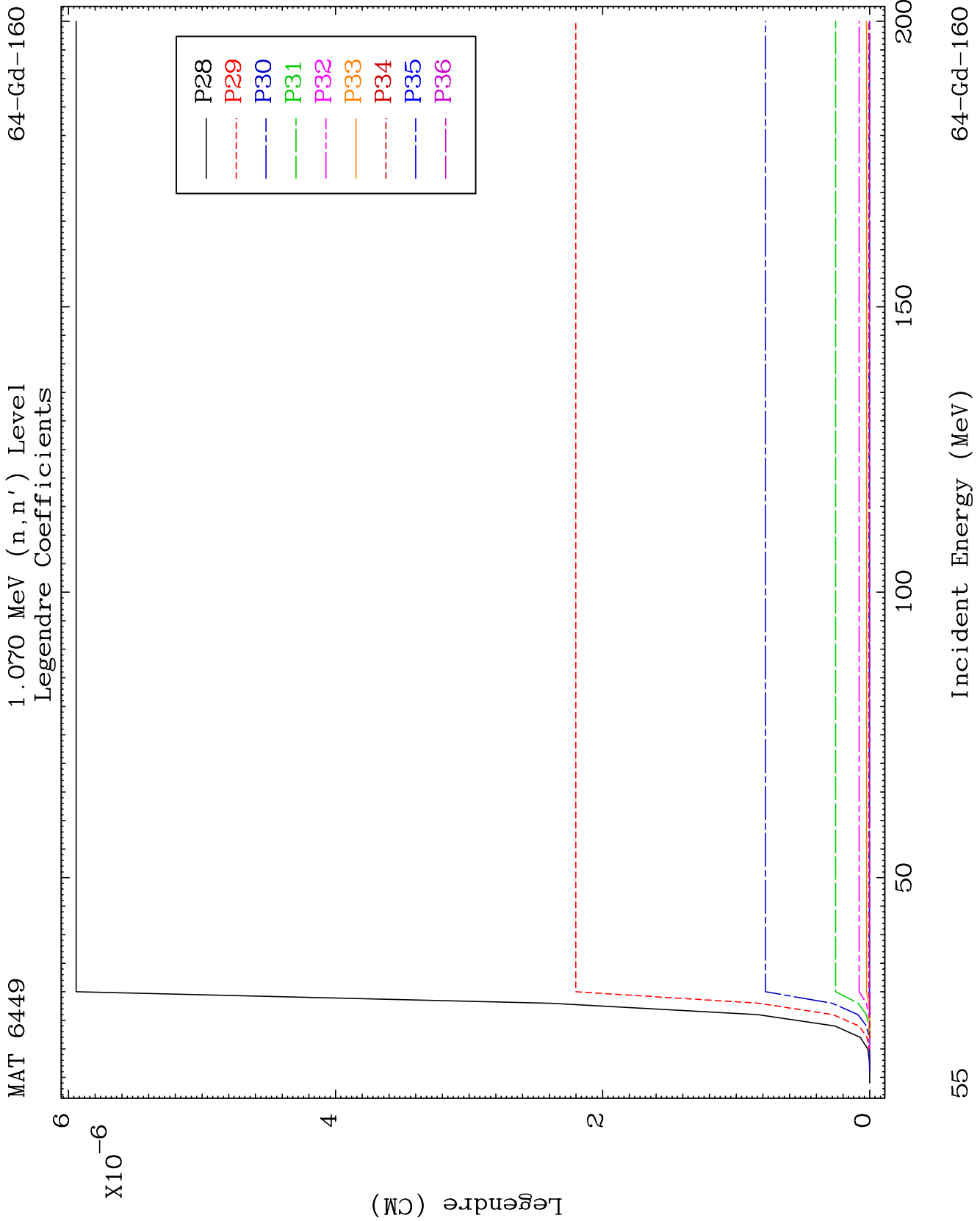
64-Gd-160



54

Incident Energy (MeV)

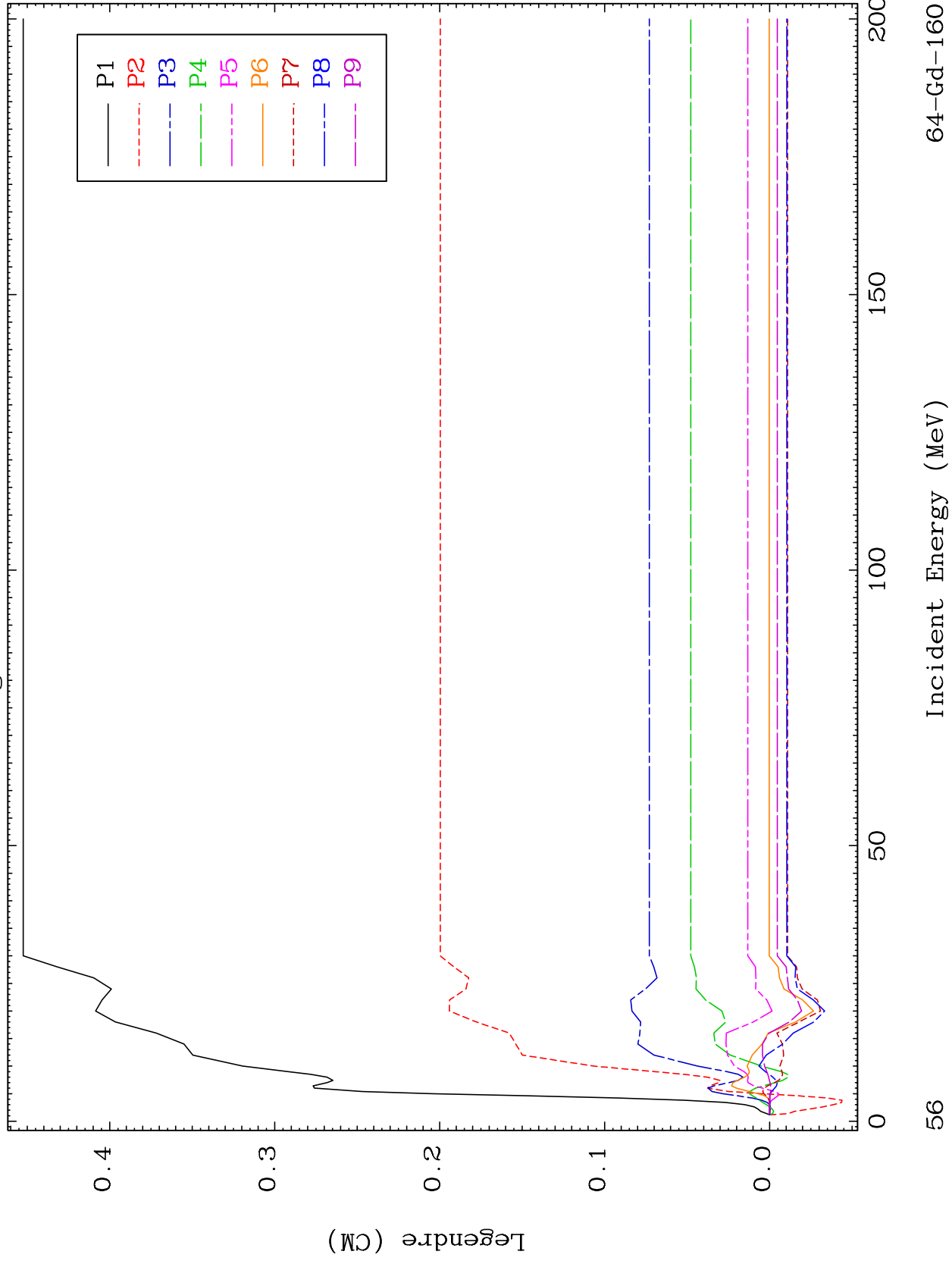
64-Gd-160



MAT 6449

1.148 MeV (n,n') Level
Legendre Coefficients

64-Gd-160



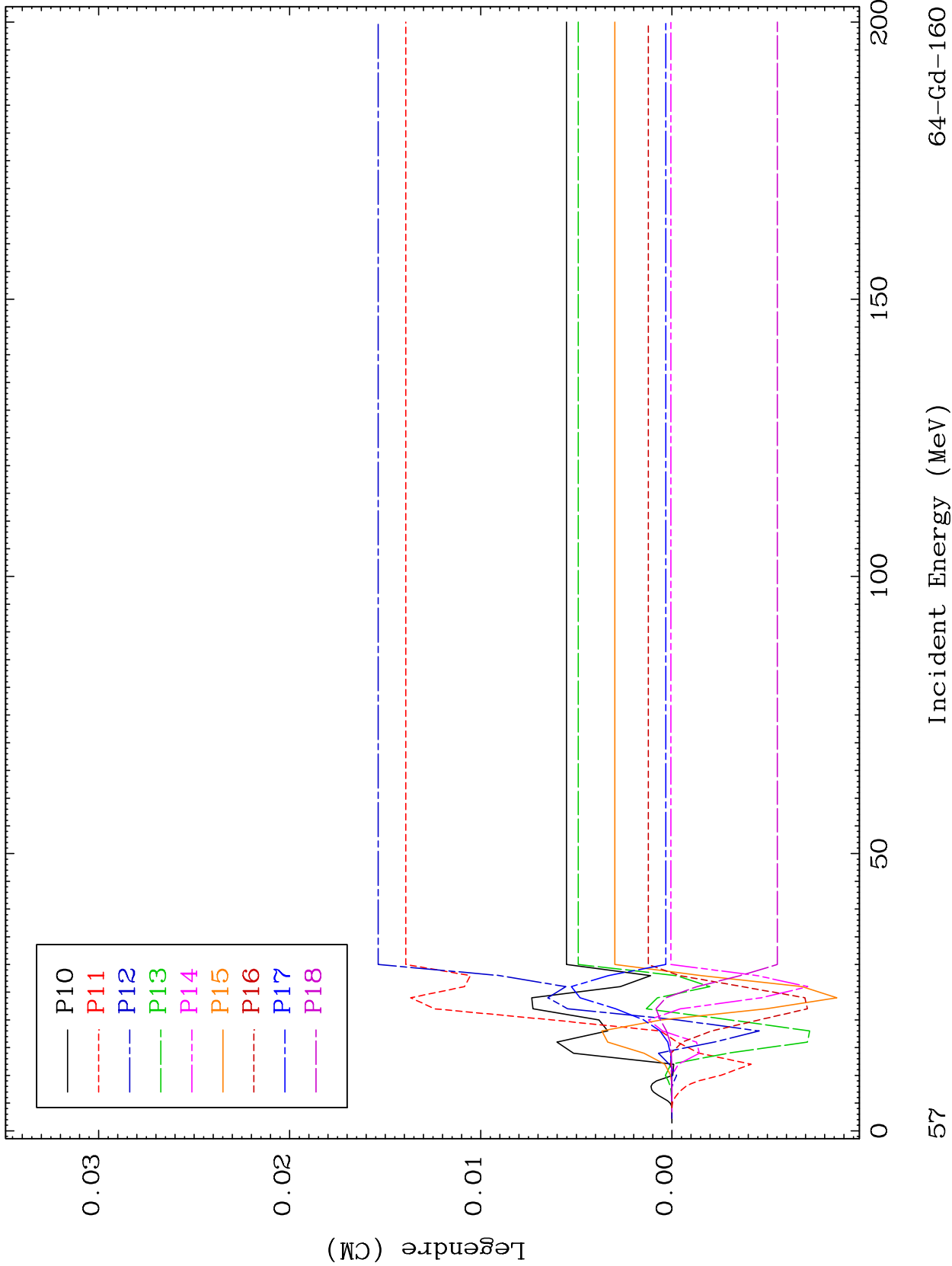
56

64-Gd-160

MAT 6449

1.148 MeV (n,n') Level
Legendre Coefficients

64-Gd-160



57

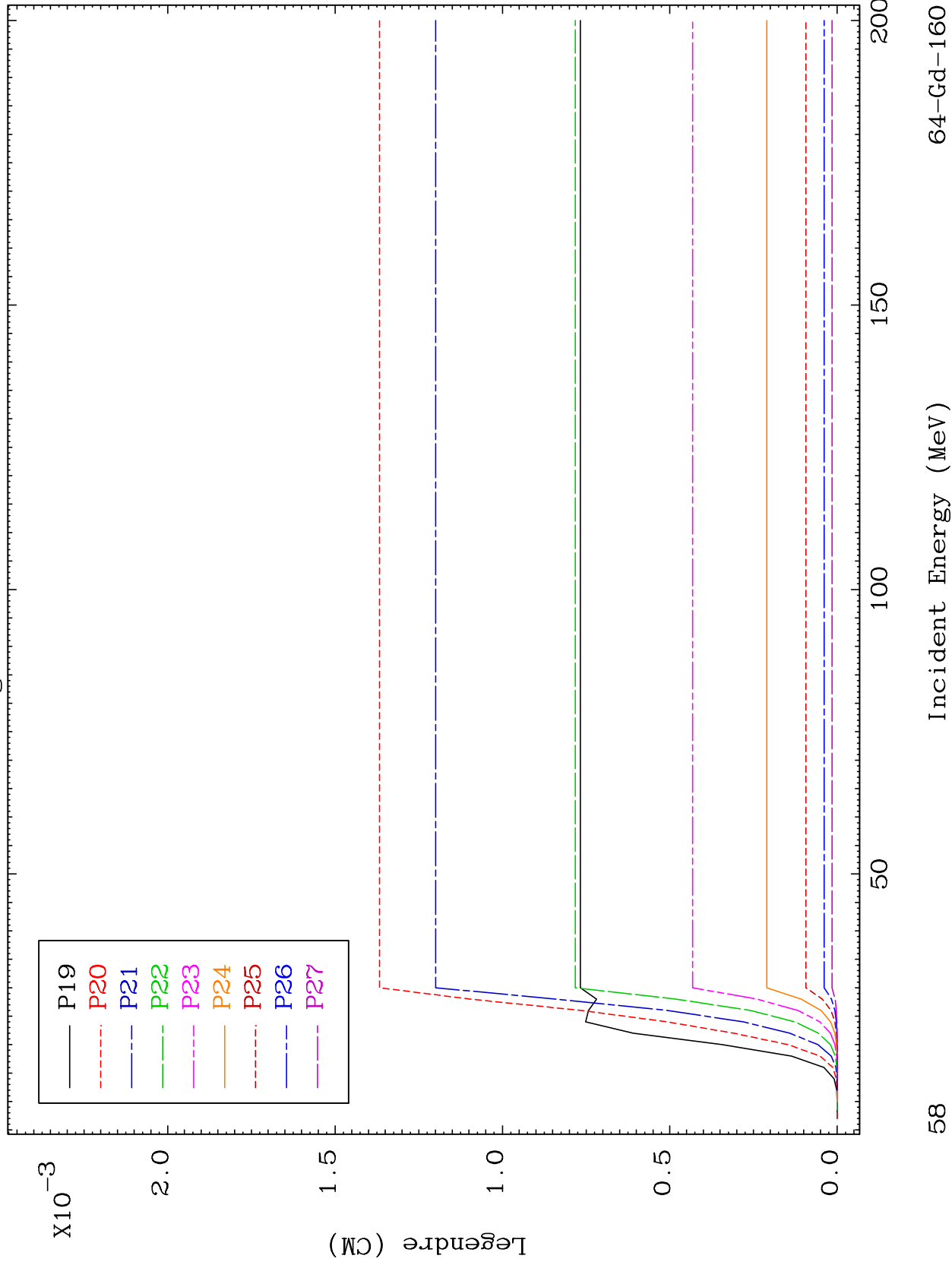
Incident Energy (MeV)

64-Gd-160

MAT 6449

1.148 MeV (n, n') Level
Legendre Coefficients

64-Gd-160



58

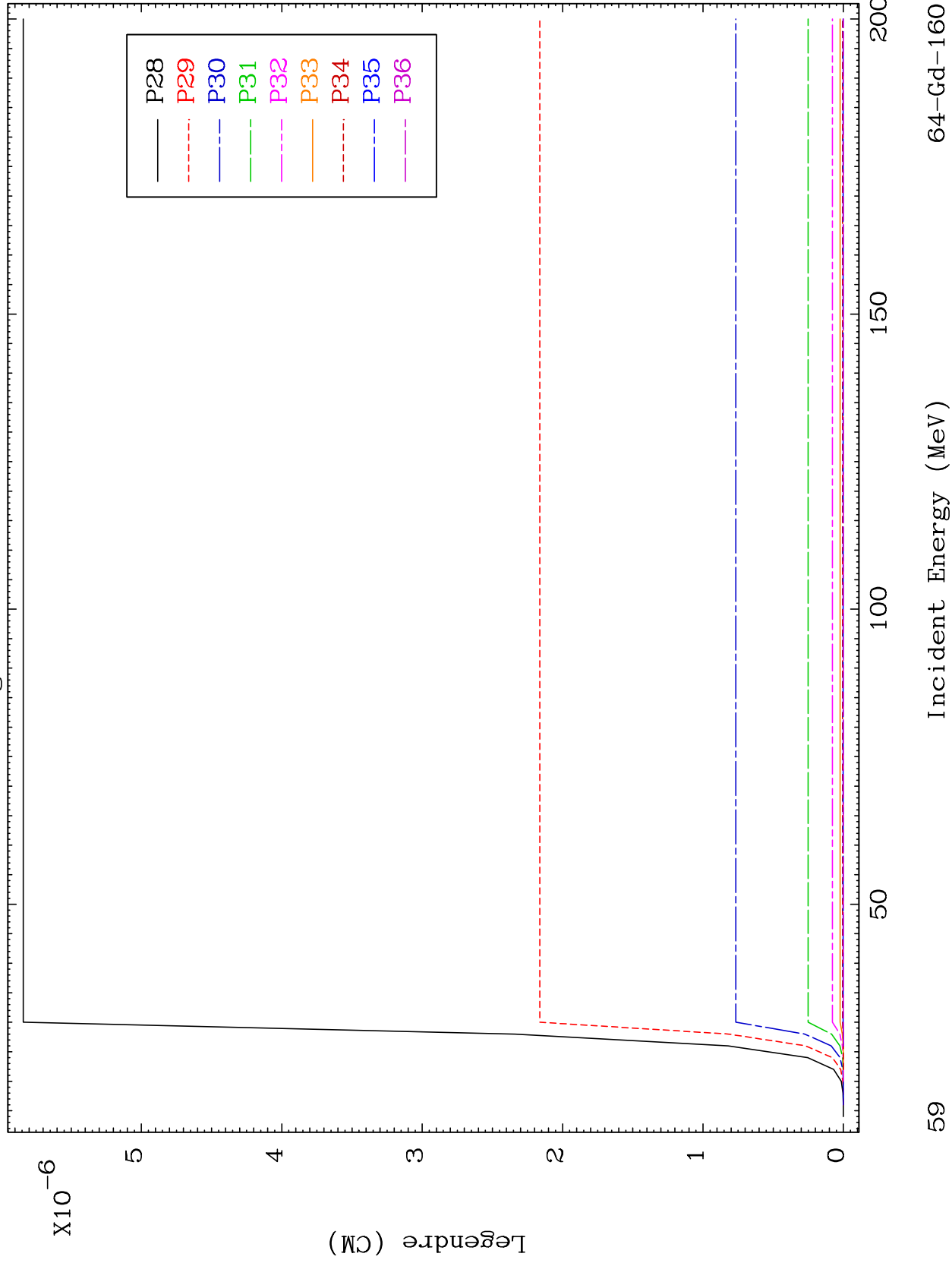
Incident Energy (MeV)

64-Gd-160

MAT 6449

1.148 MeV (n,n') Level
Legendre Coefficients

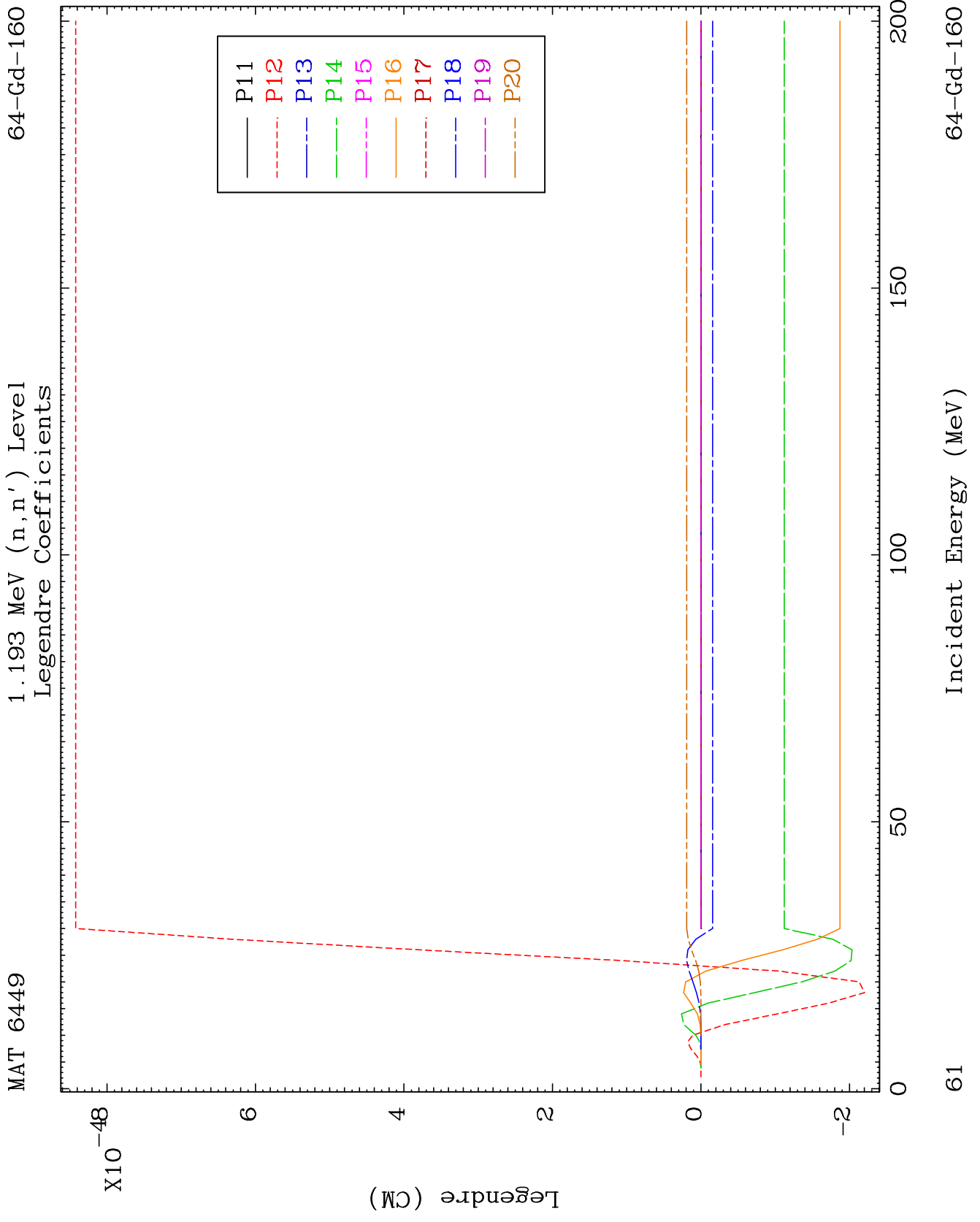
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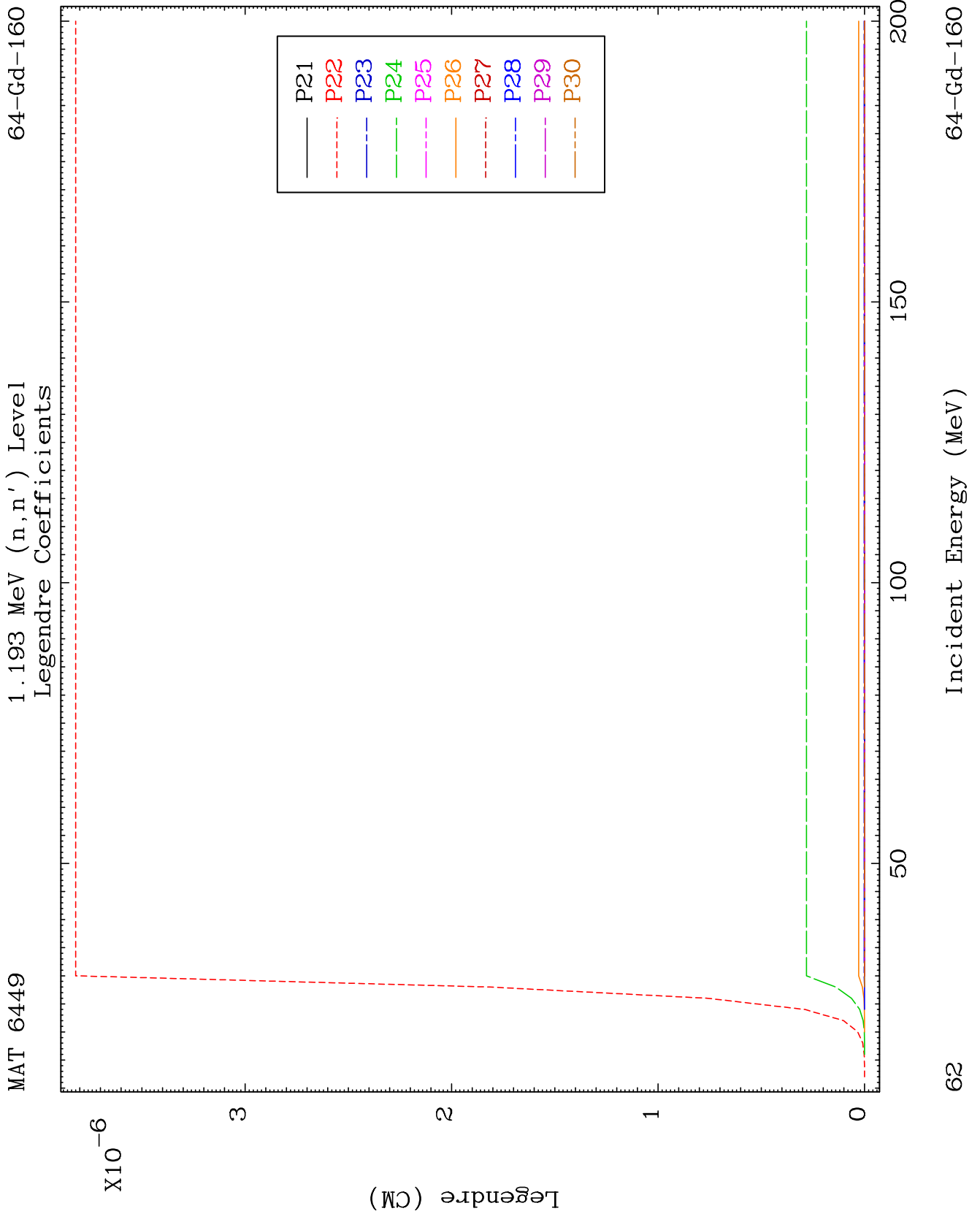


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Incident Energy (MeV)

64-Gd-160

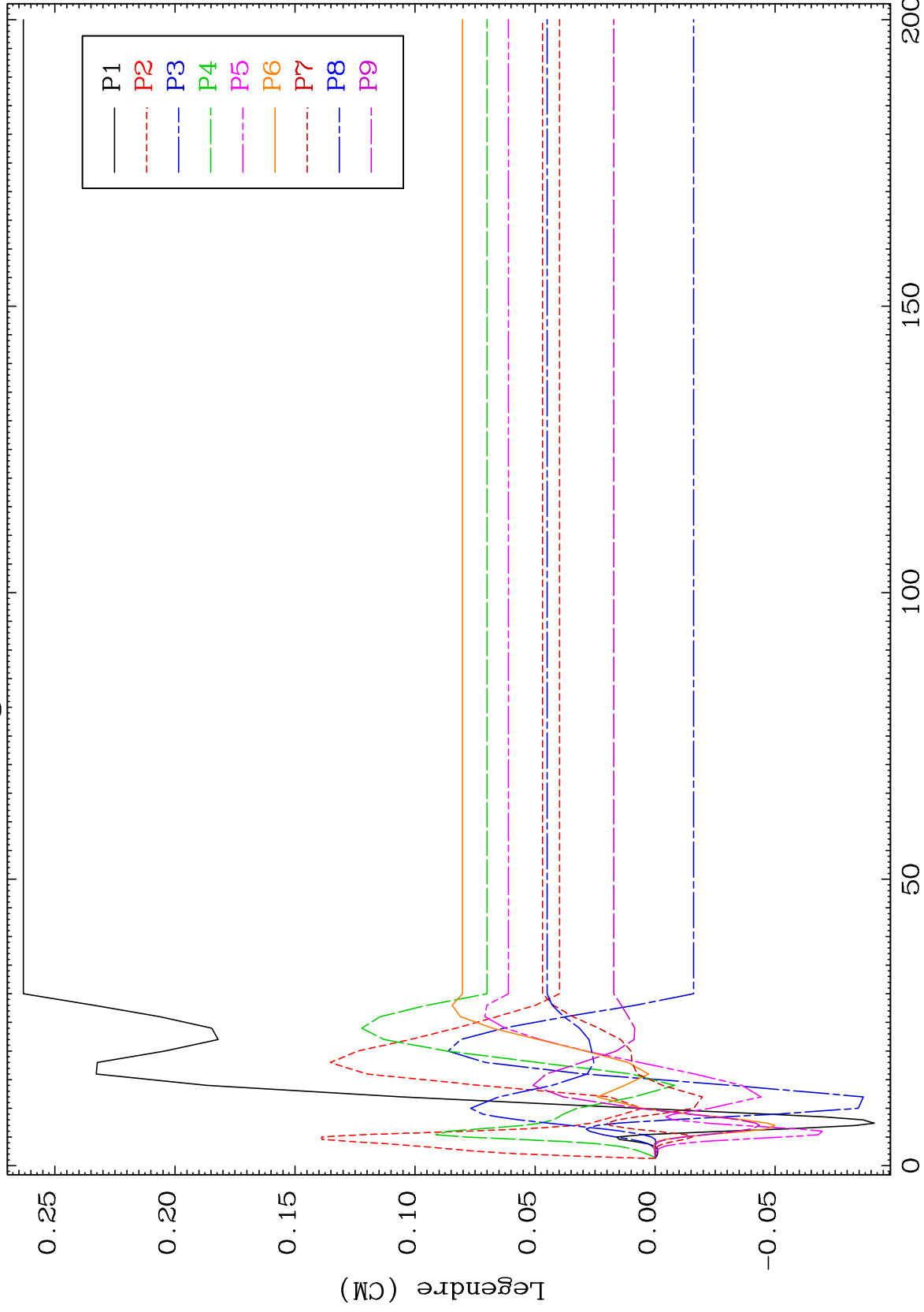




MAT 6449

1.224 MeV (n,n') Level
Legendre Coefficients

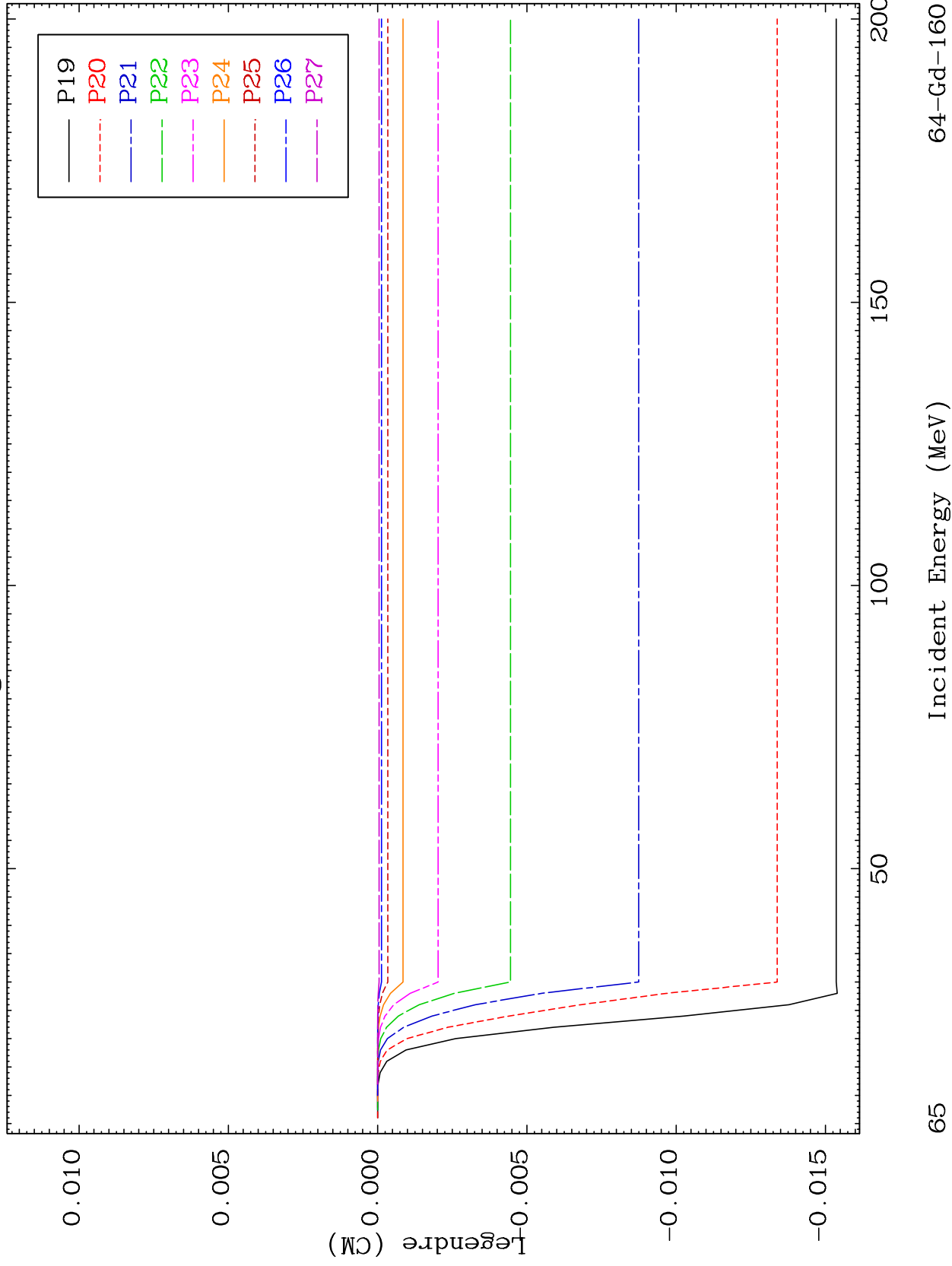
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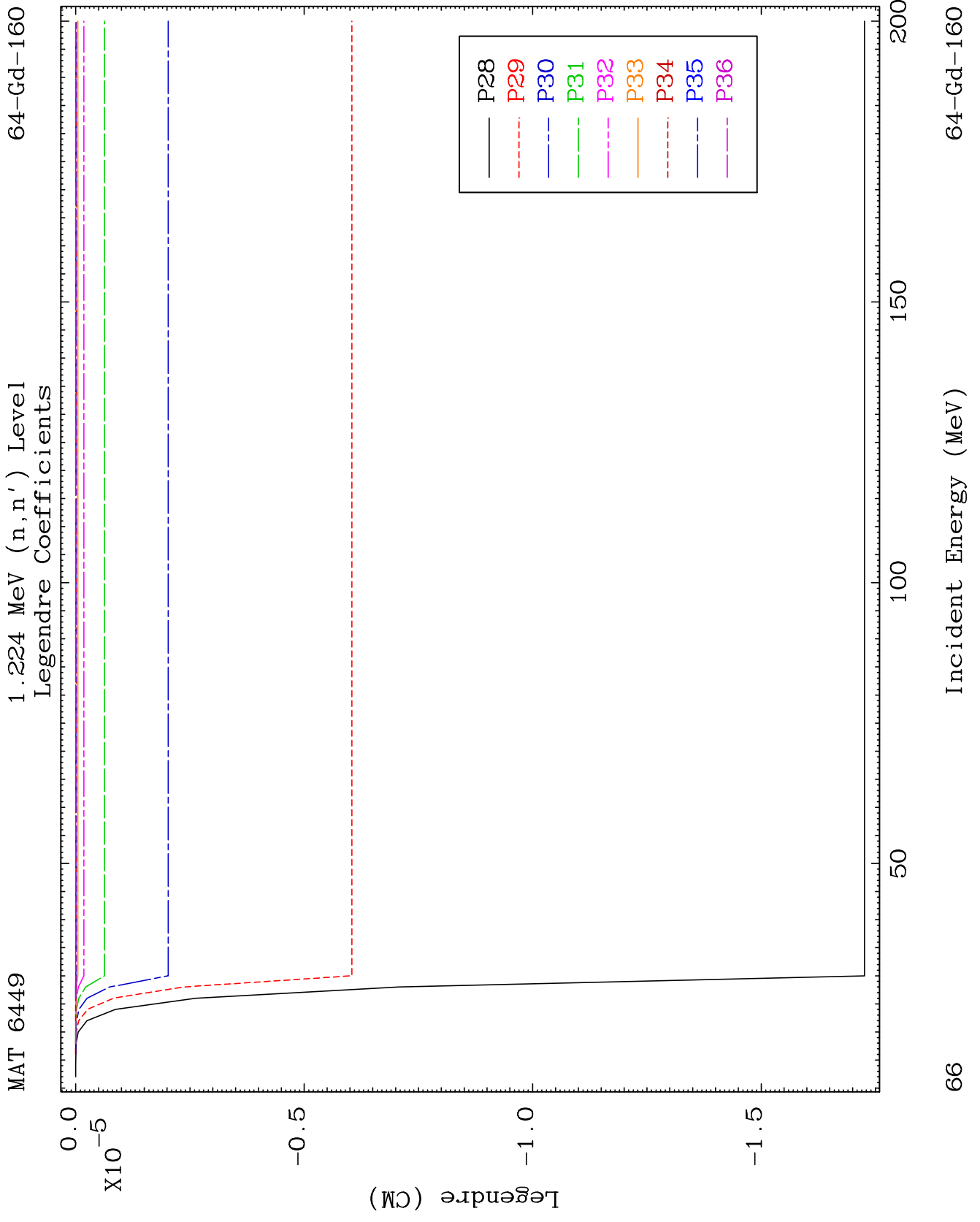


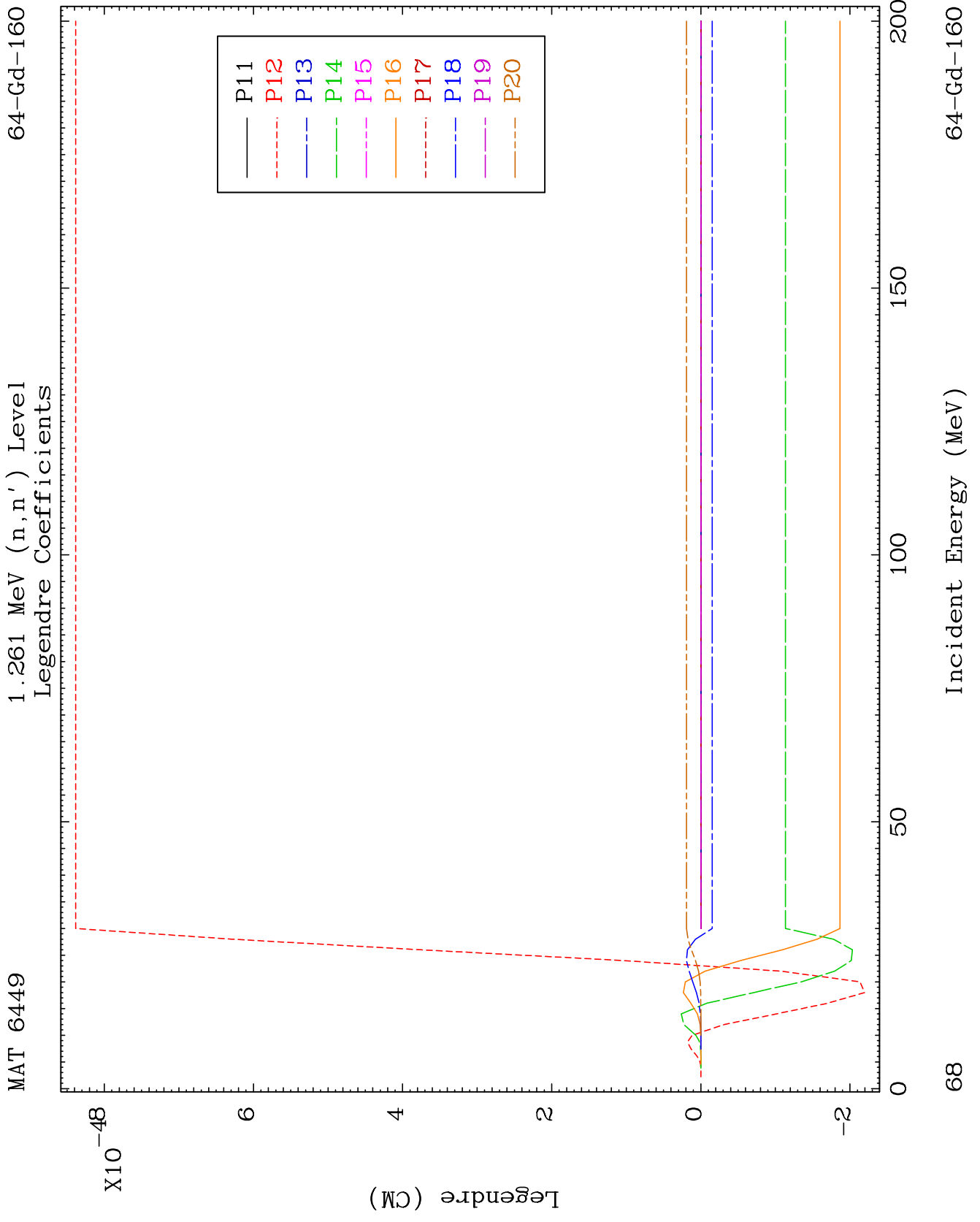
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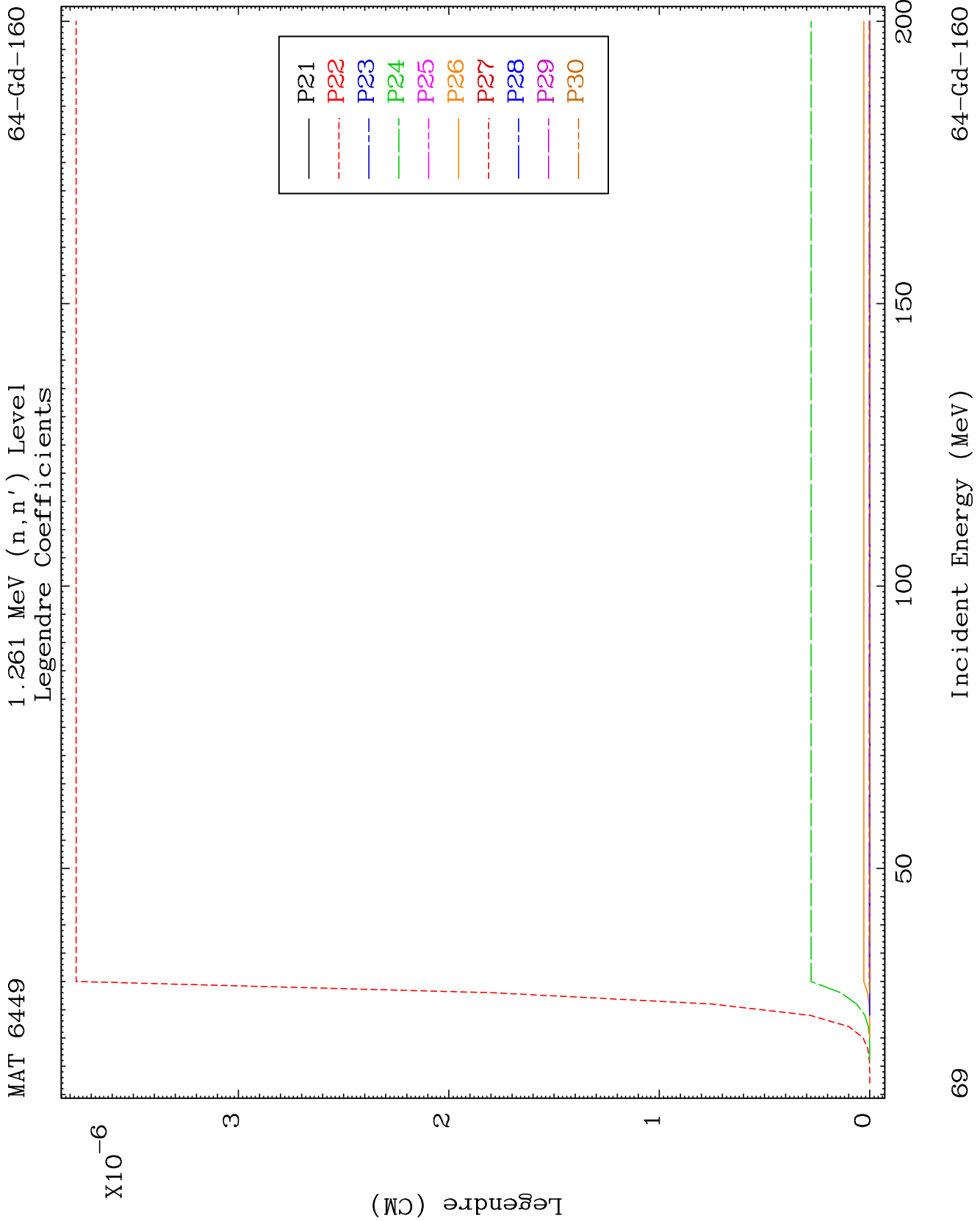
Incident Energy (MeV)

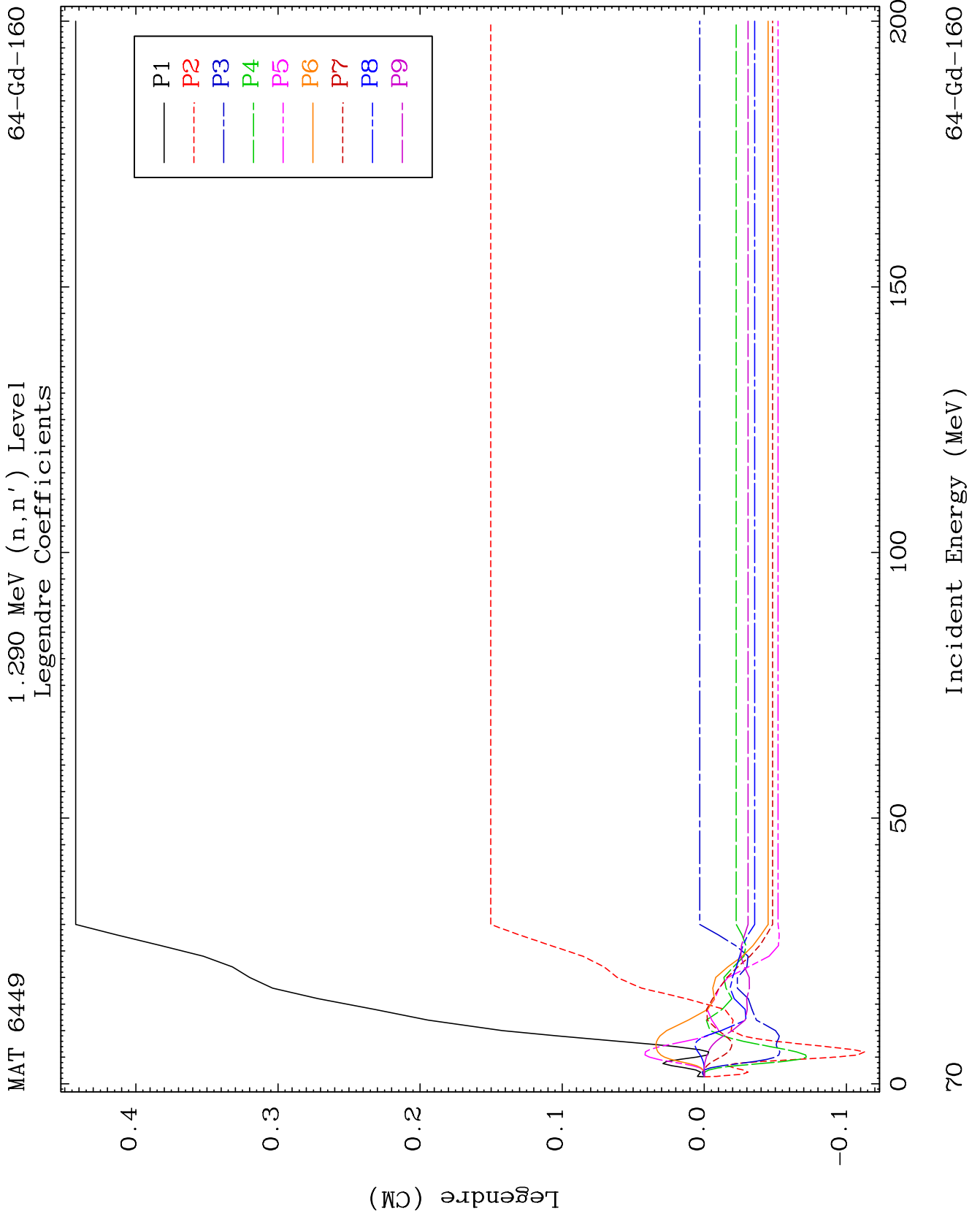
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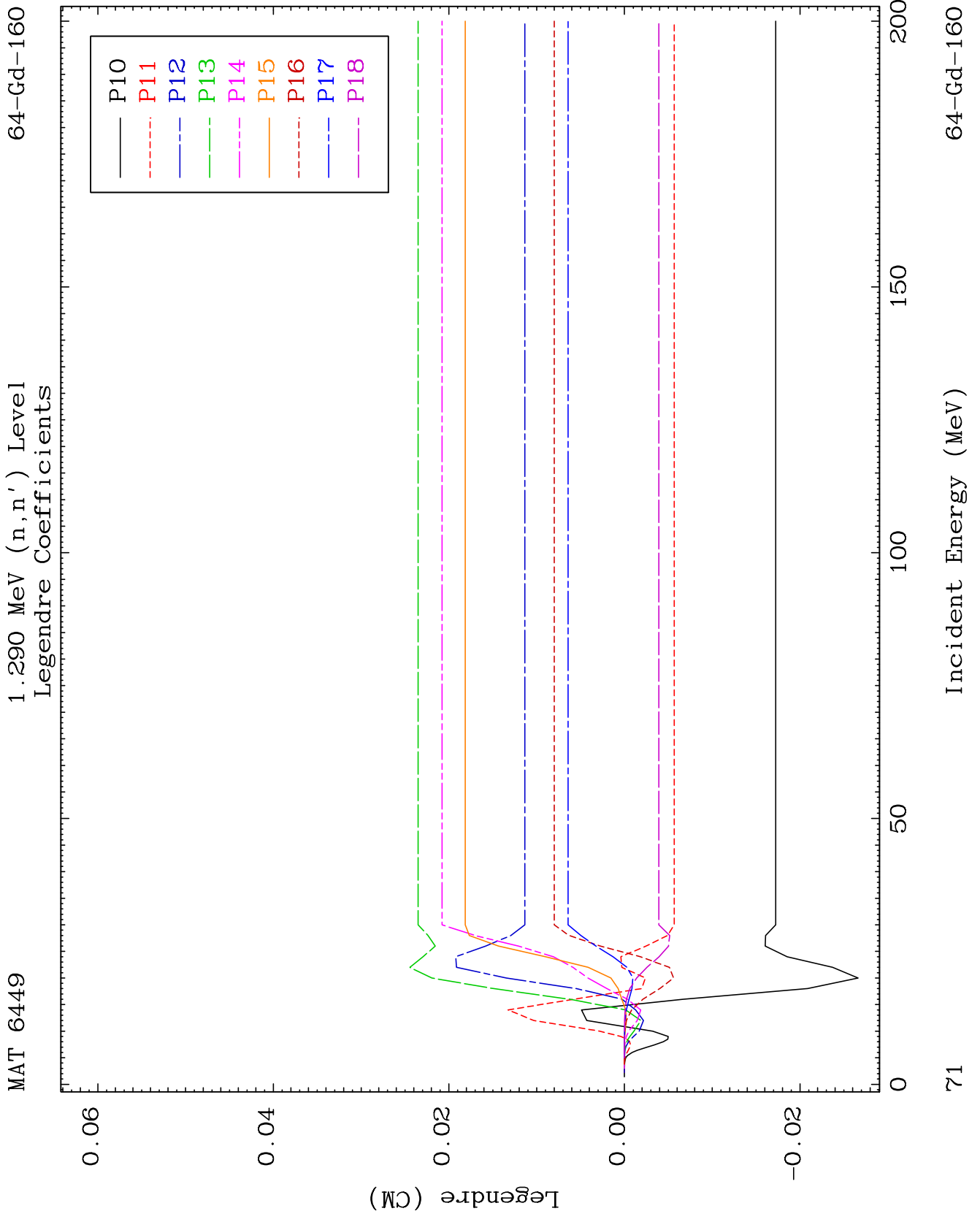








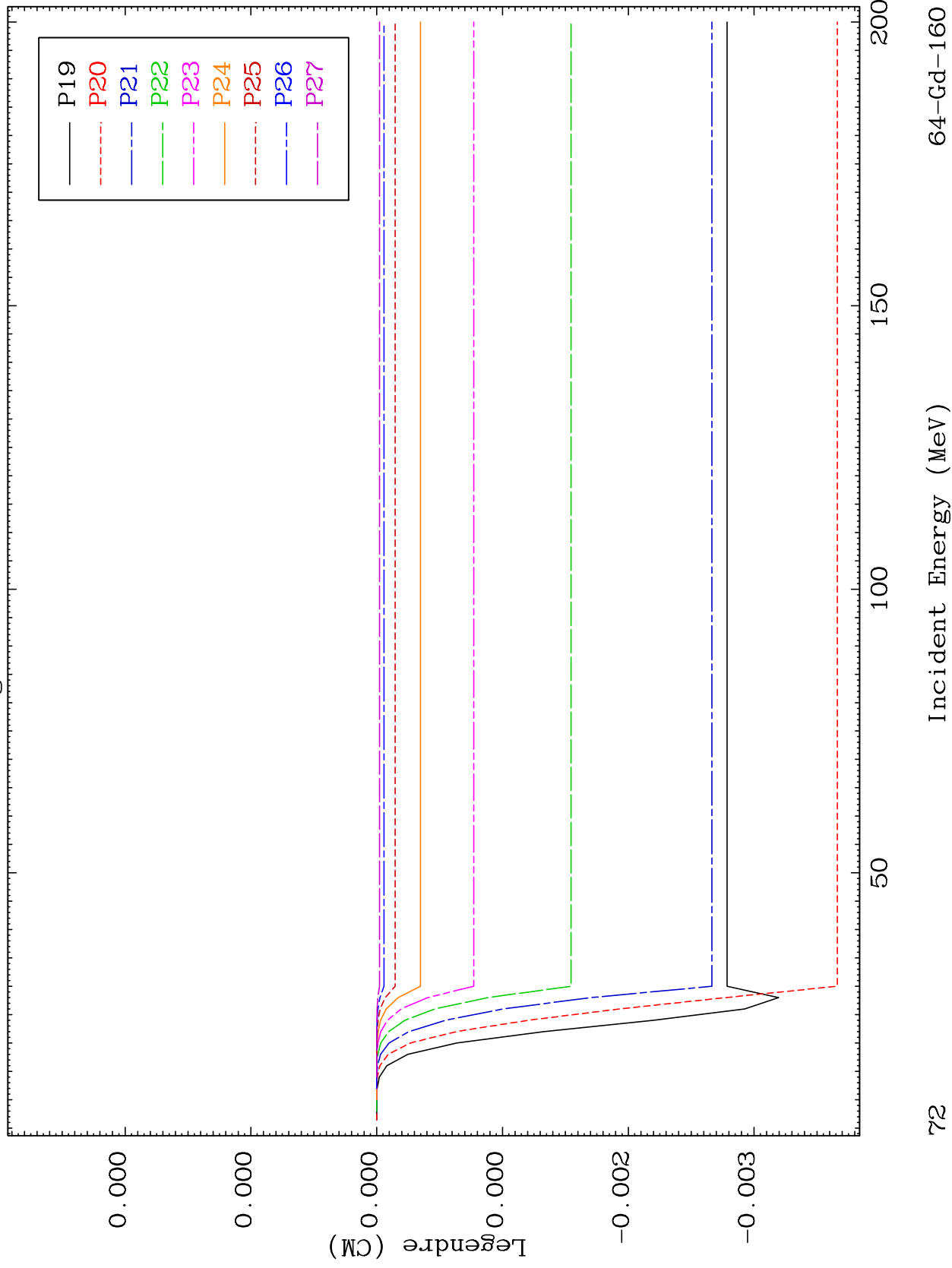




MAT 6449

1.290 MeV (n,n') Level
Legendre Coefficients

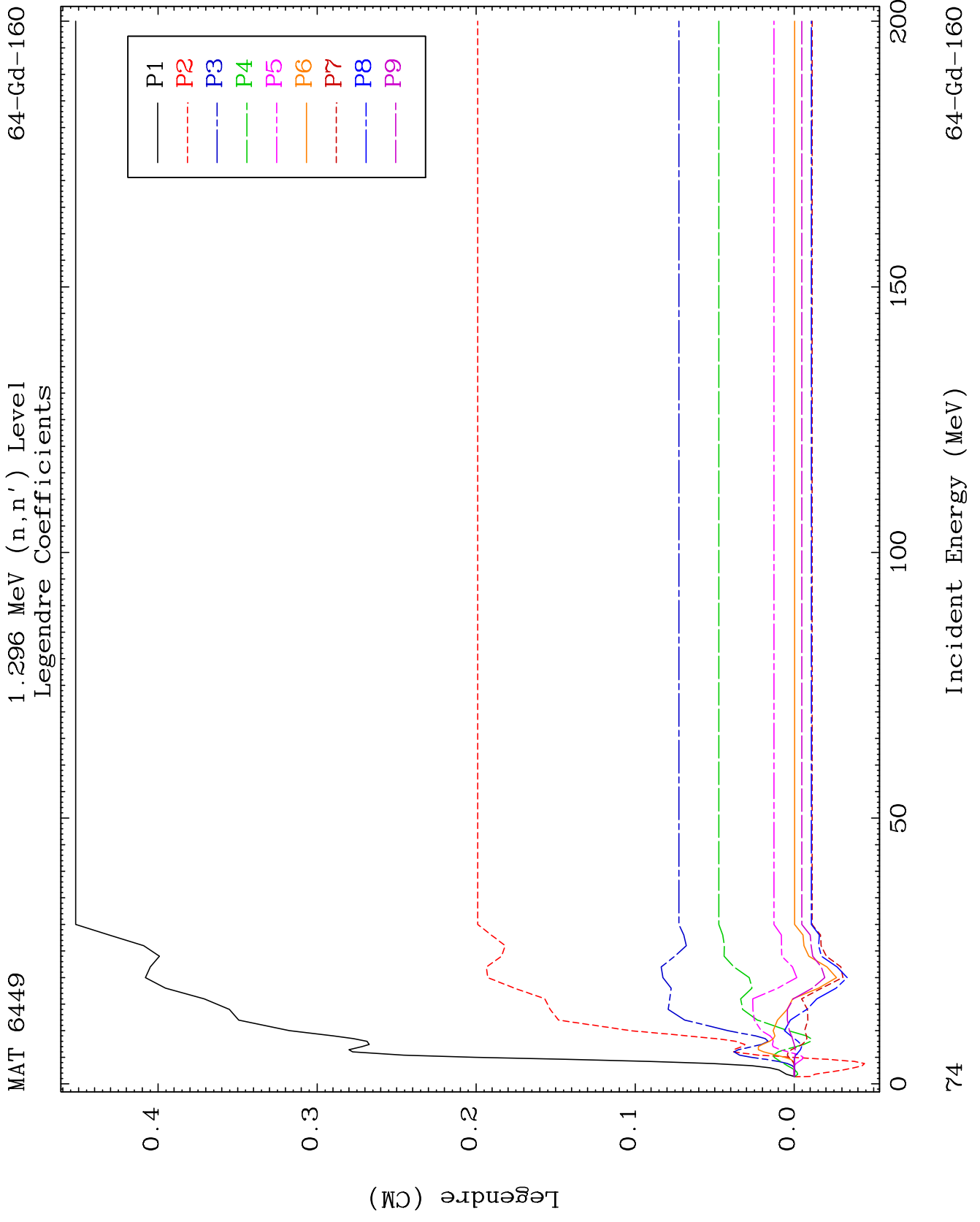
64-Gd-160



72

Incident Energy (MeV)

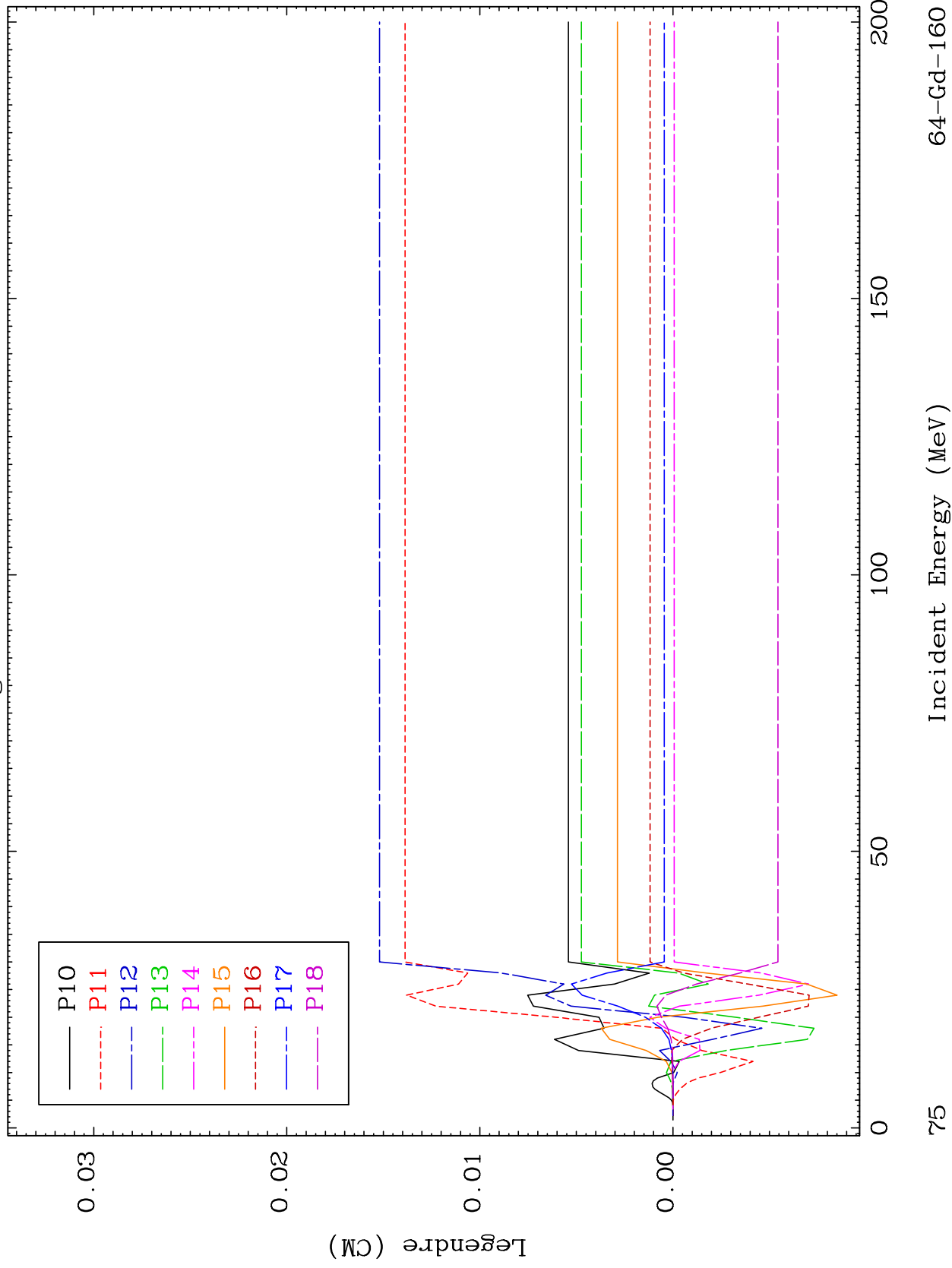
64-Gd-160



MAT 6449

1.296 MeV (n,n') Level
Legendre Coefficients

64-Gd-160



75

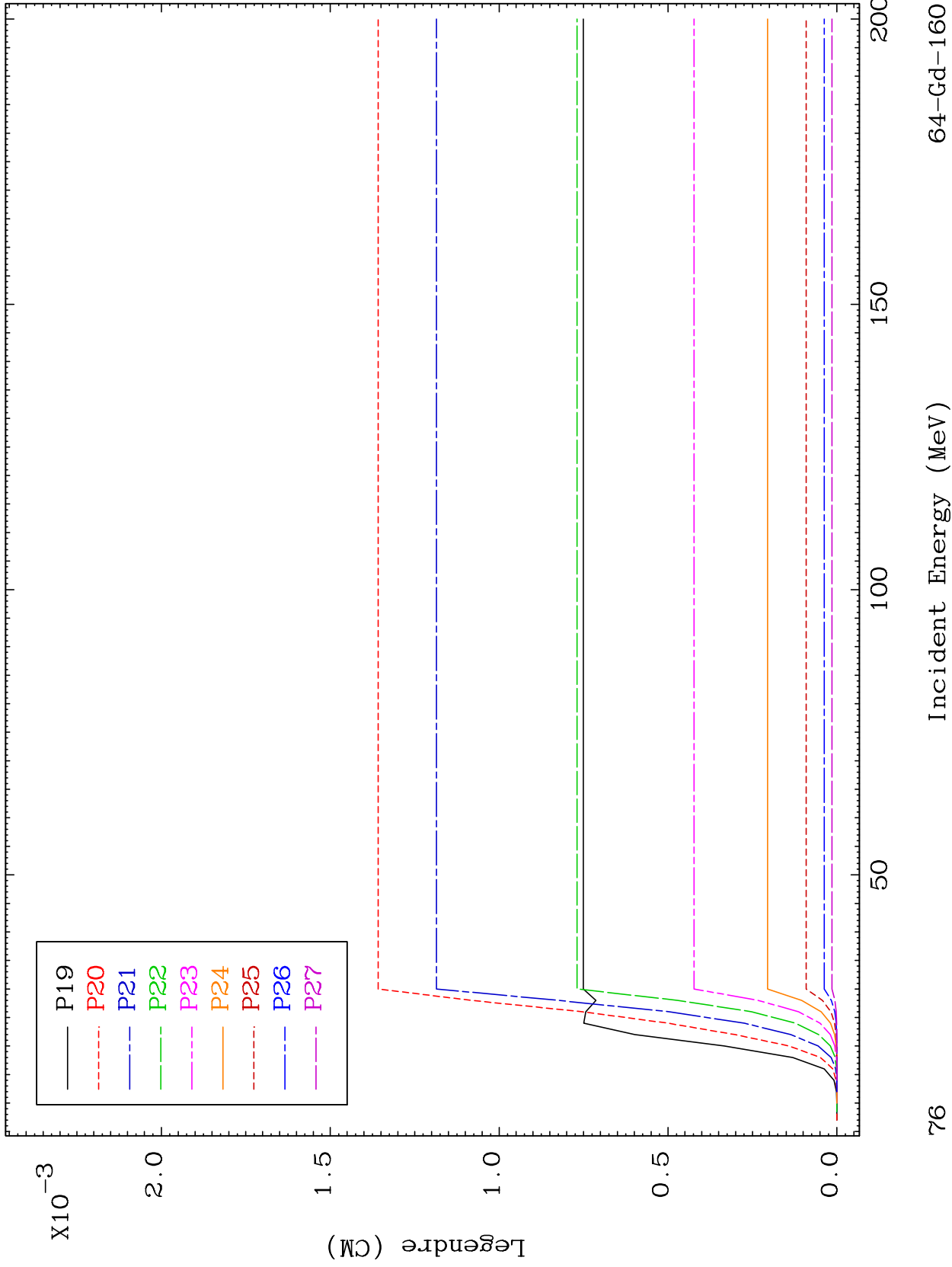
Incident Energy (MeV)

64-Gd-160

MAT 6449

1.296 MeV (n,n') Level
Legendre Coefficients

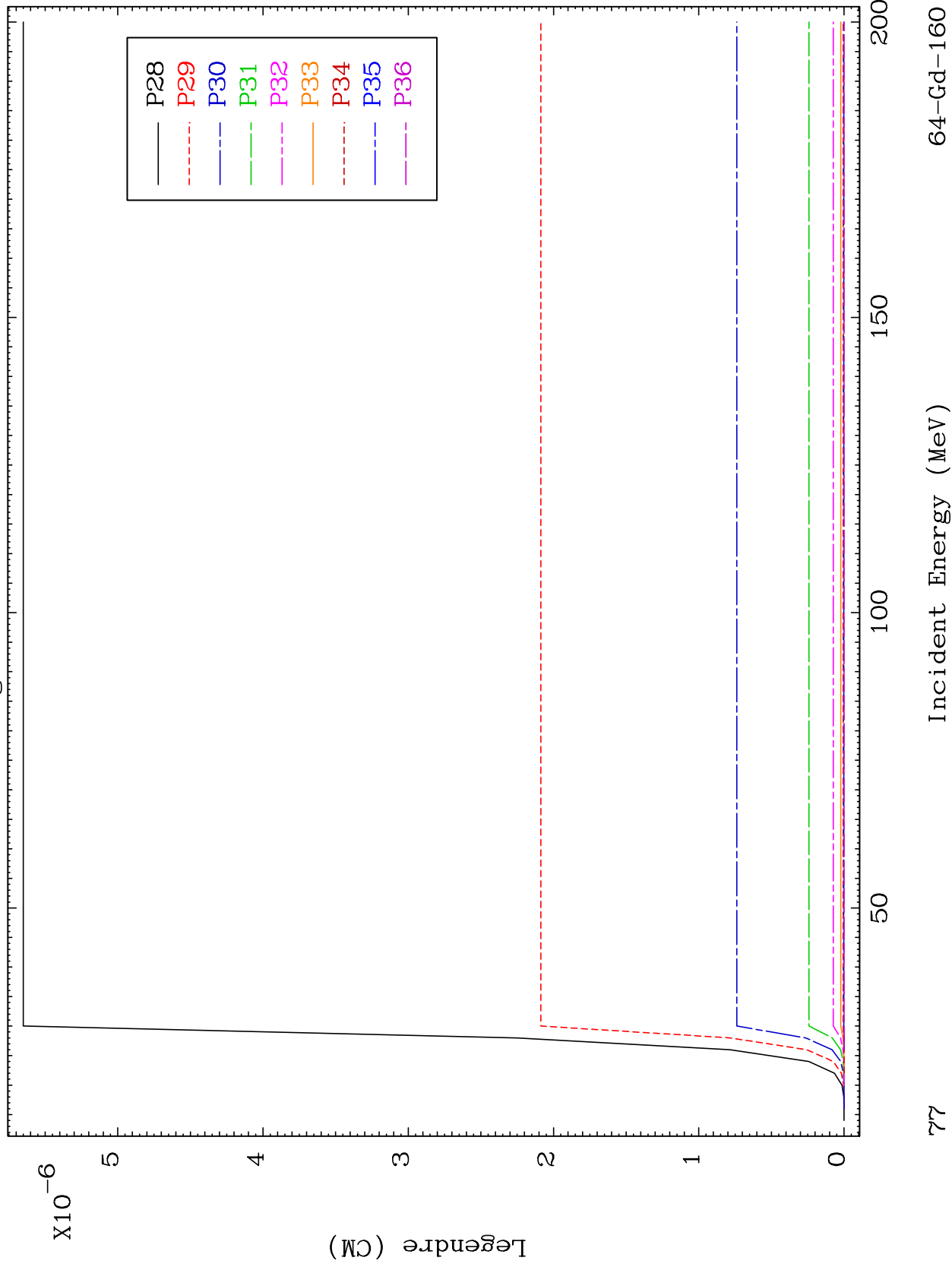
64-Gd-160



MAT 6449

1.296 MeV (n,n') Level
Legendre Coefficients

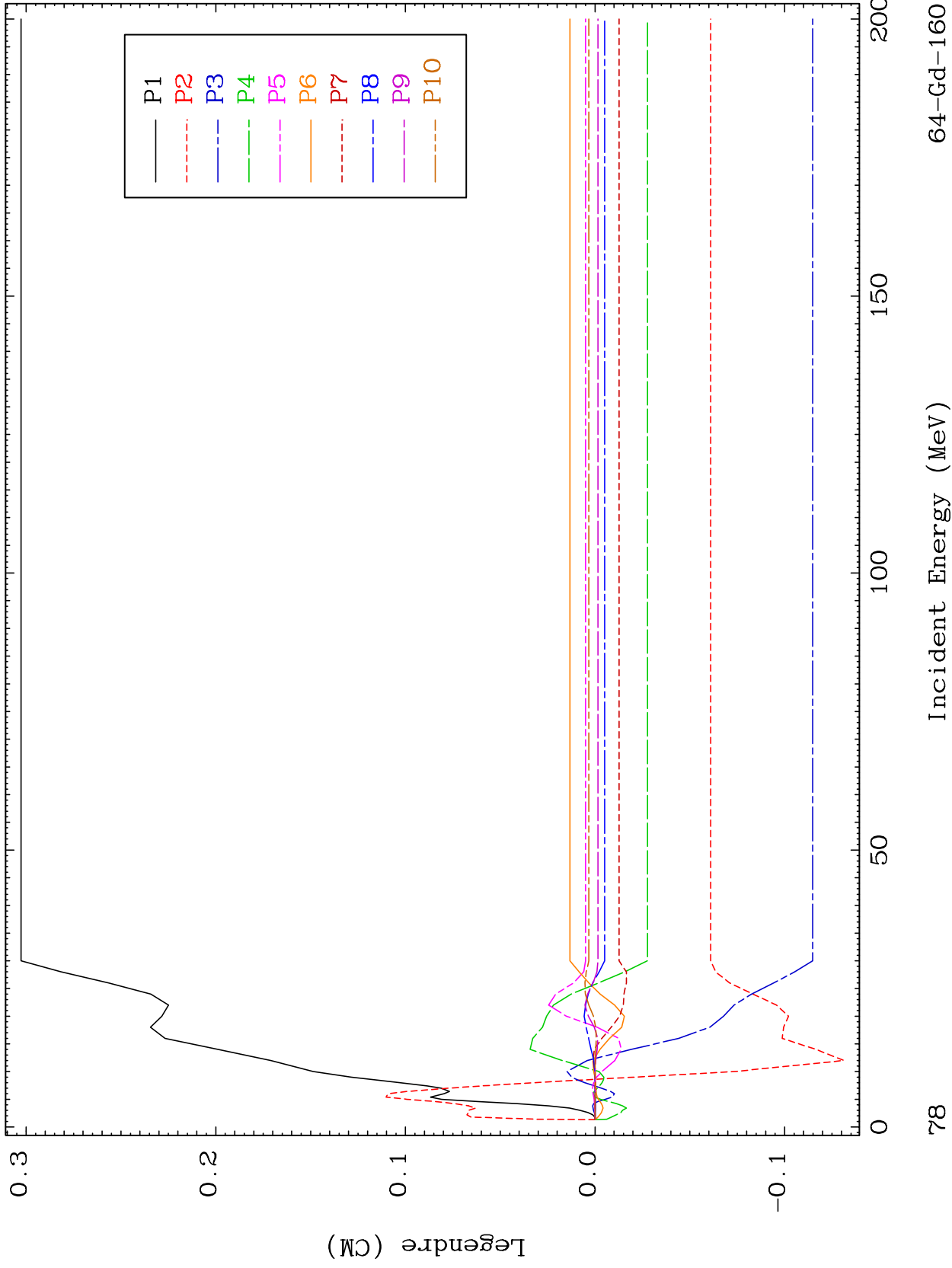
64-Gd-160



MAT 6449

1.301 MeV (n,n') Level
Legendre Coefficients

64-Gd-160



64-Gd-160

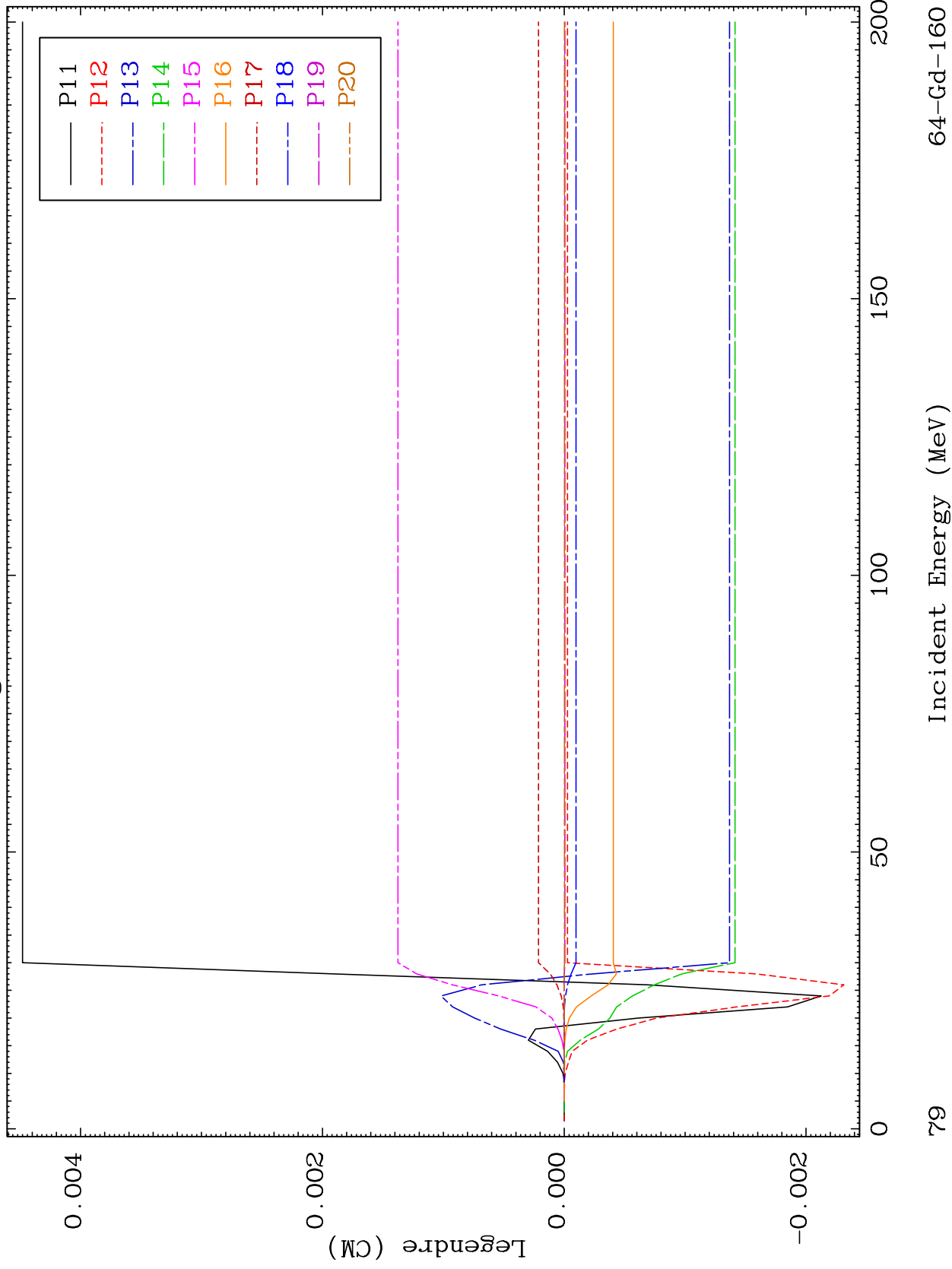
Incident Energy (MeV)

78

MAT 6449

1.301 MeV (n,n') Level
Legendre Coefficients

64-Gd-160



79

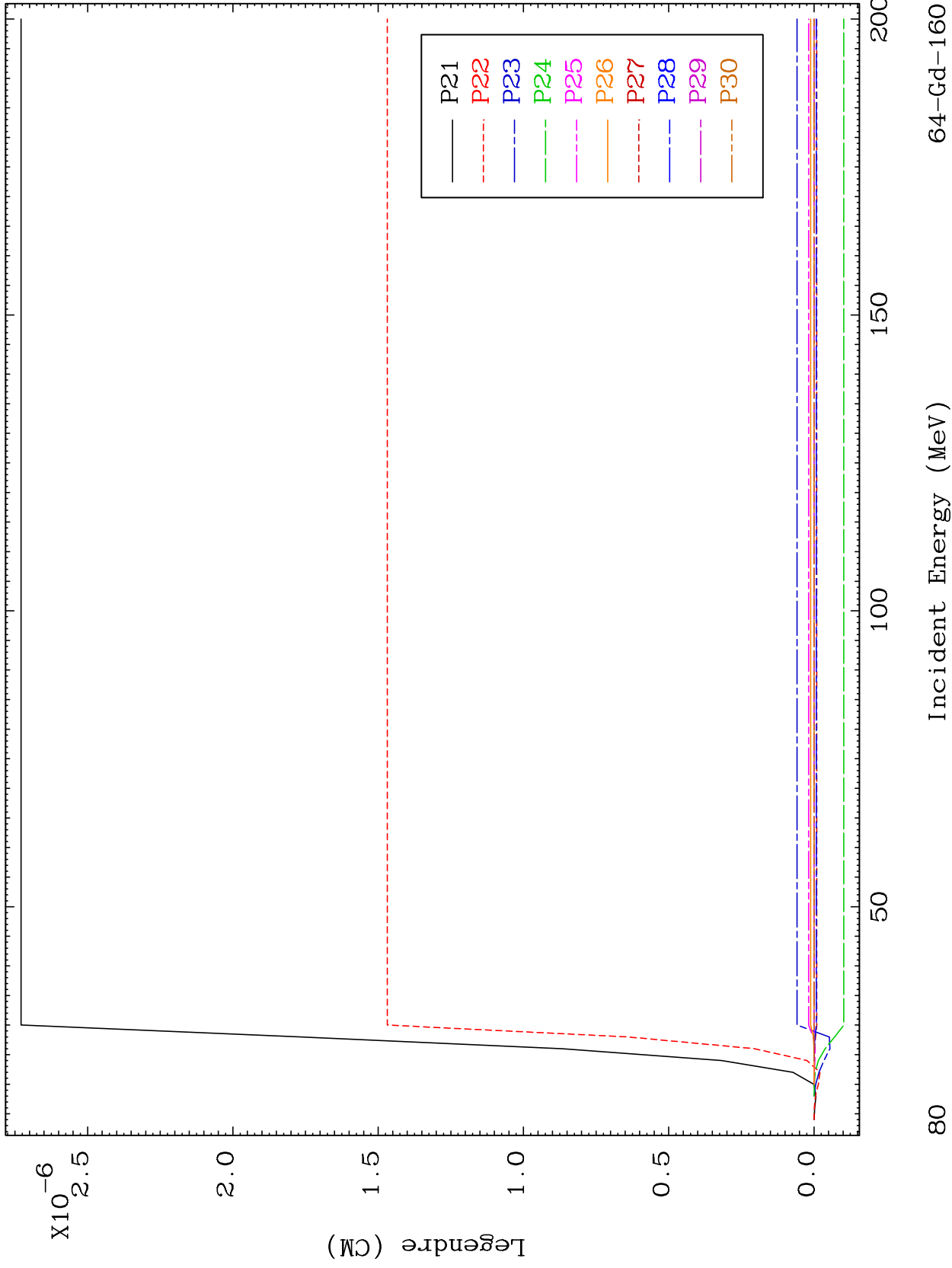
Incident Energy (MeV)

64-Gd-160

MAT 6449

1.301 MeV (n,n') Level
Legendre Coefficients

64-Gd-160



80

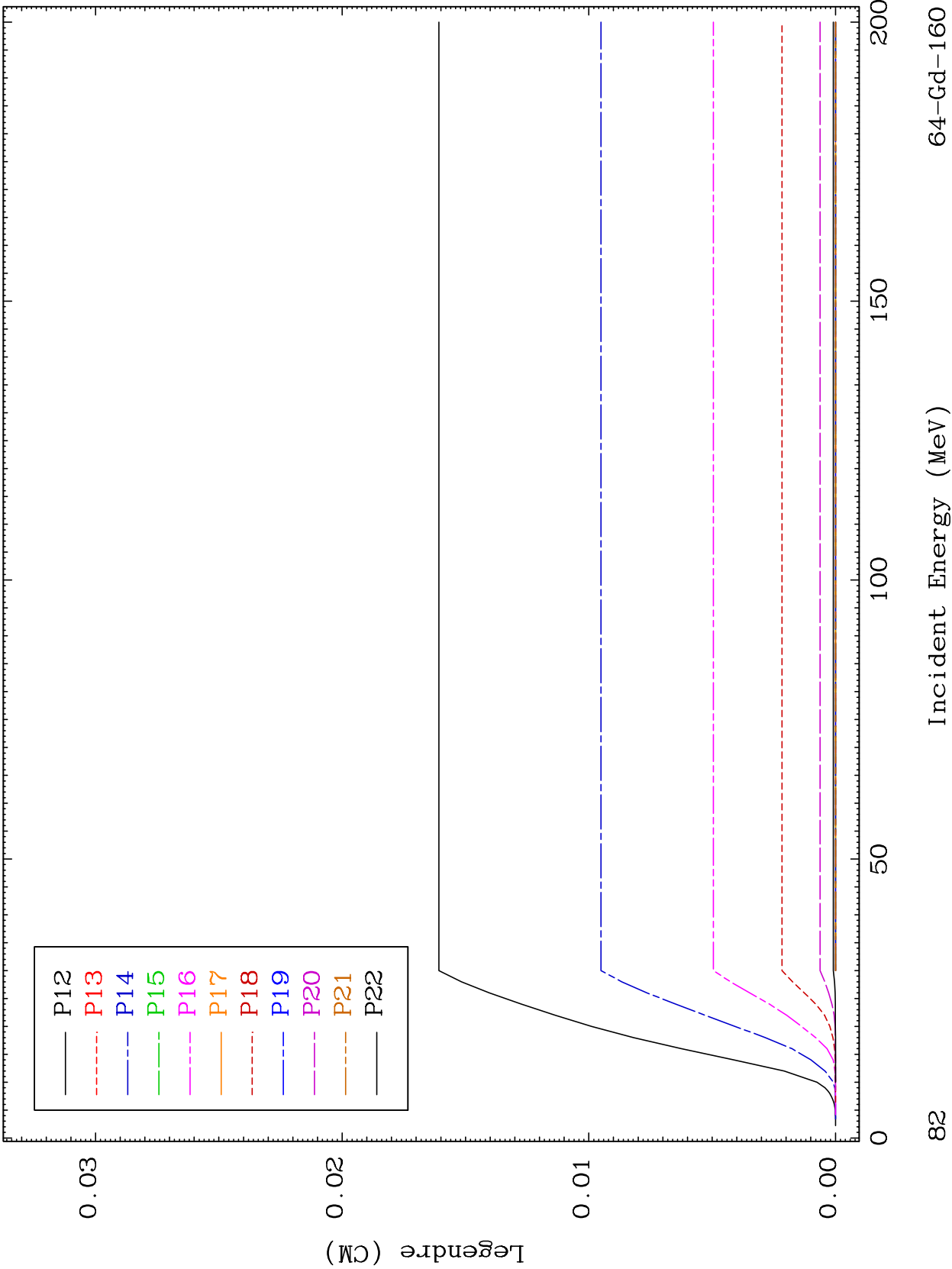
Incident Energy (MeV)

64-Gd-160

MAT 6449

1.326 MeV (n,n') Level
Legendre Coefficients

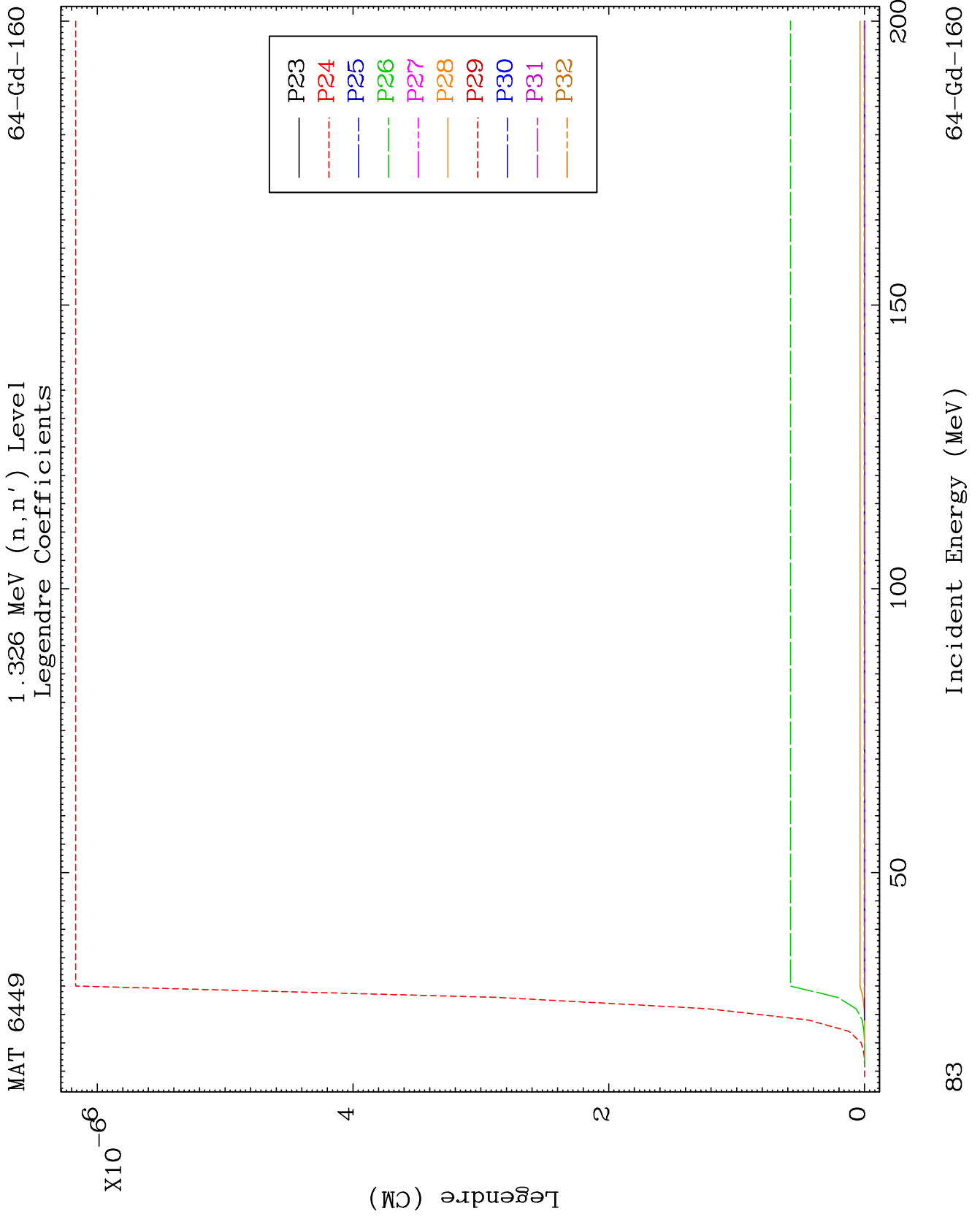
64-Gd-160

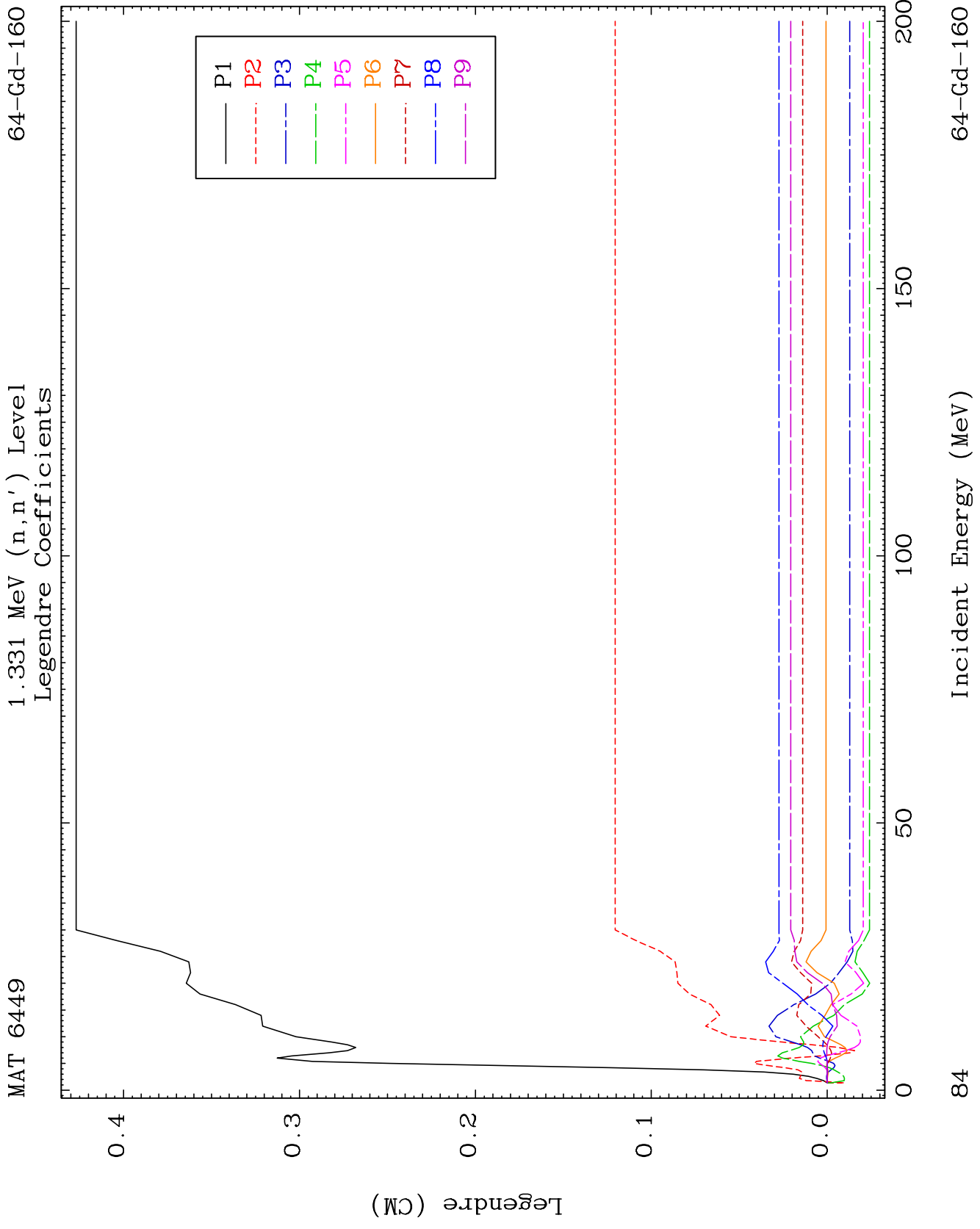


82

Incident Energy (MeV)

64-Gd-160

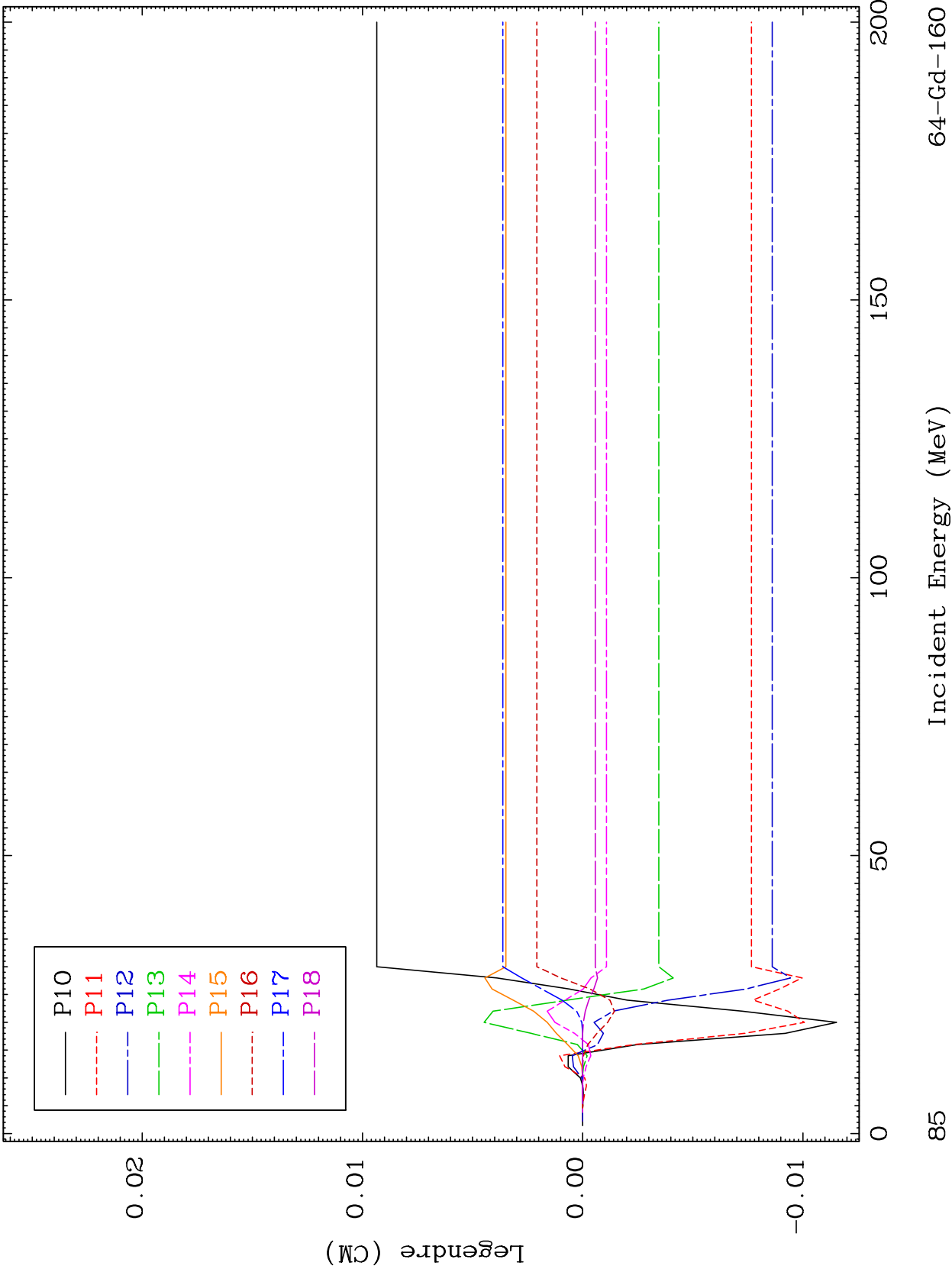




MAT 6449

1.331 MeV (n,n') Level
Legendre Coefficients

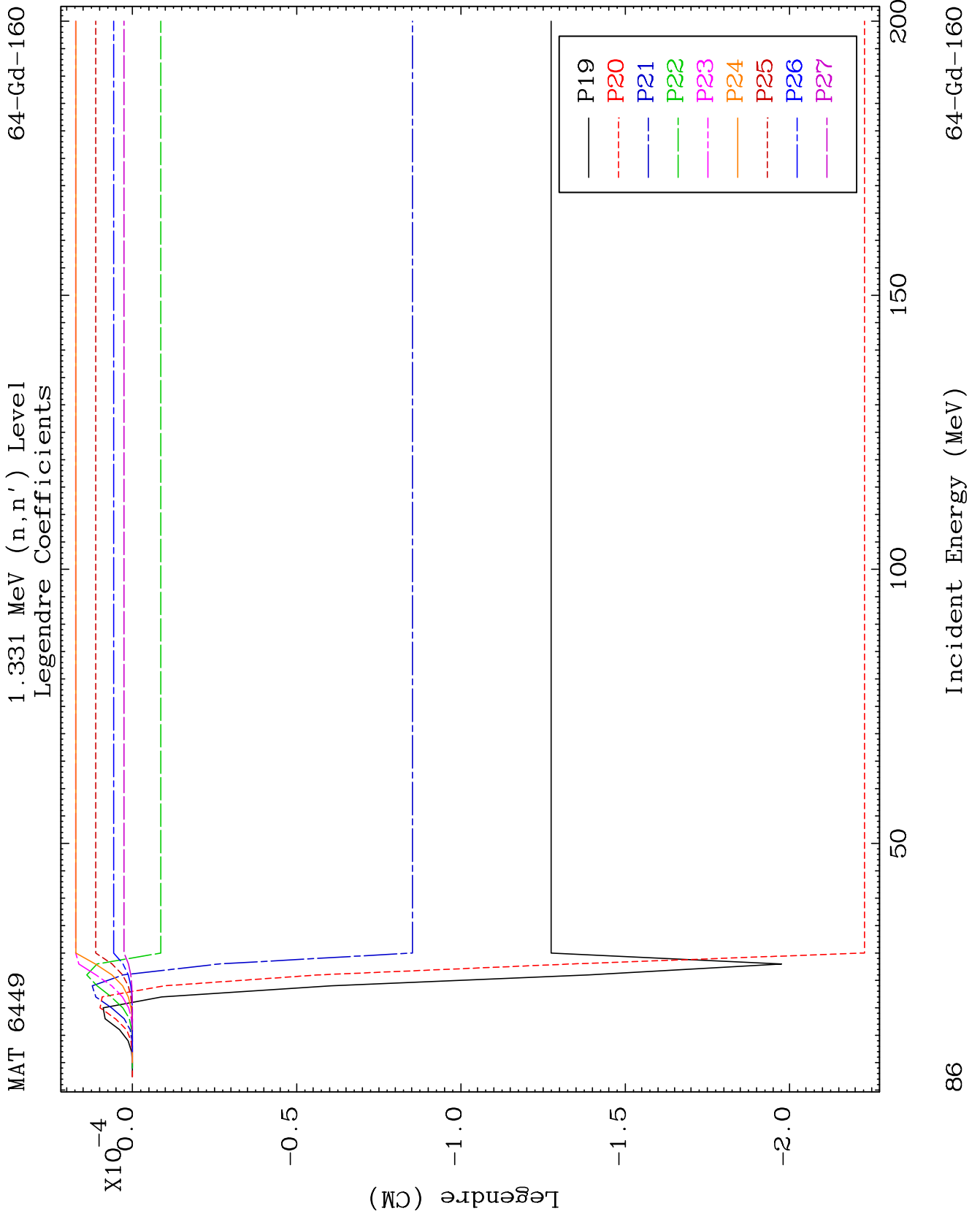
64-Gd-160

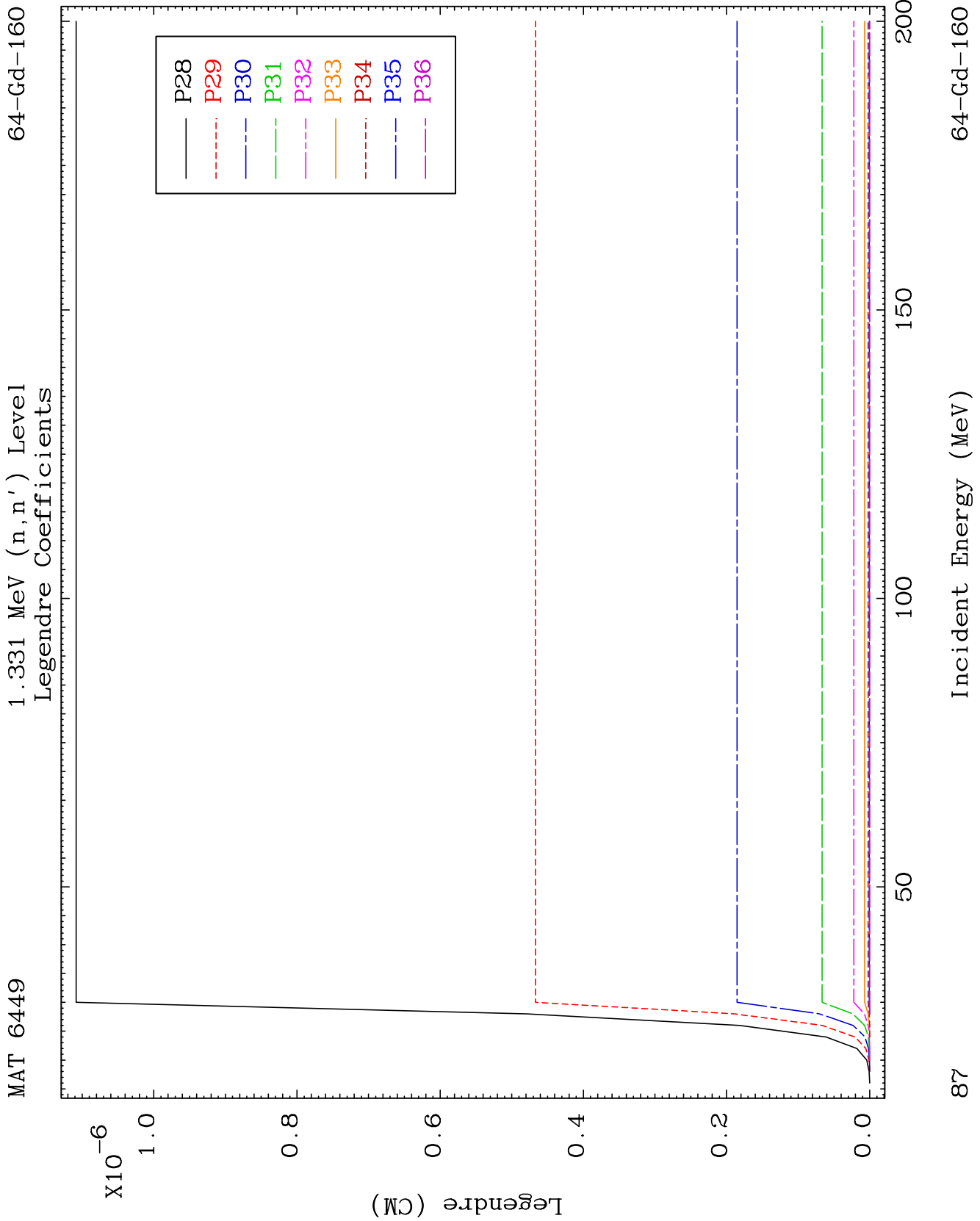


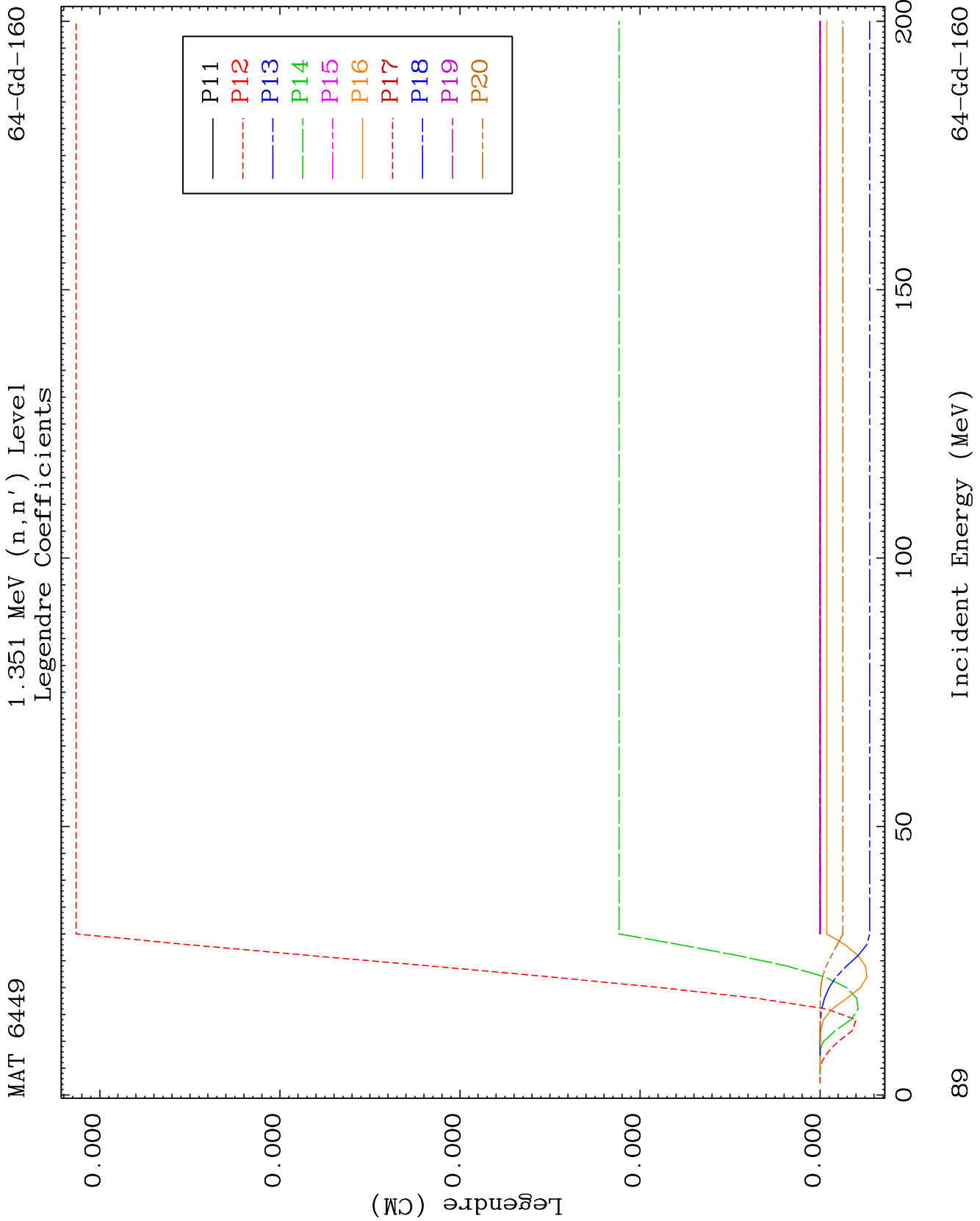
85

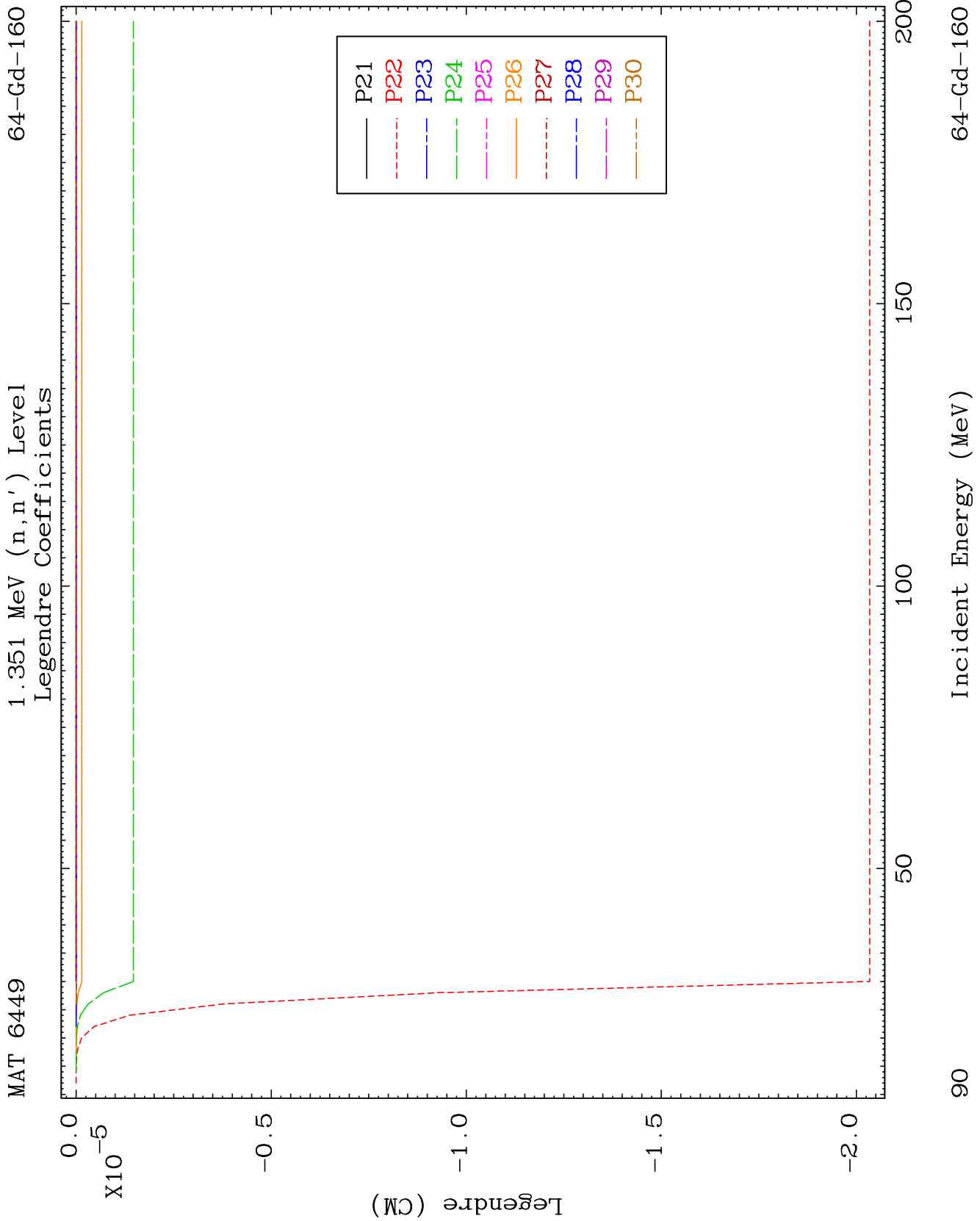
Incident Energy (MeV)

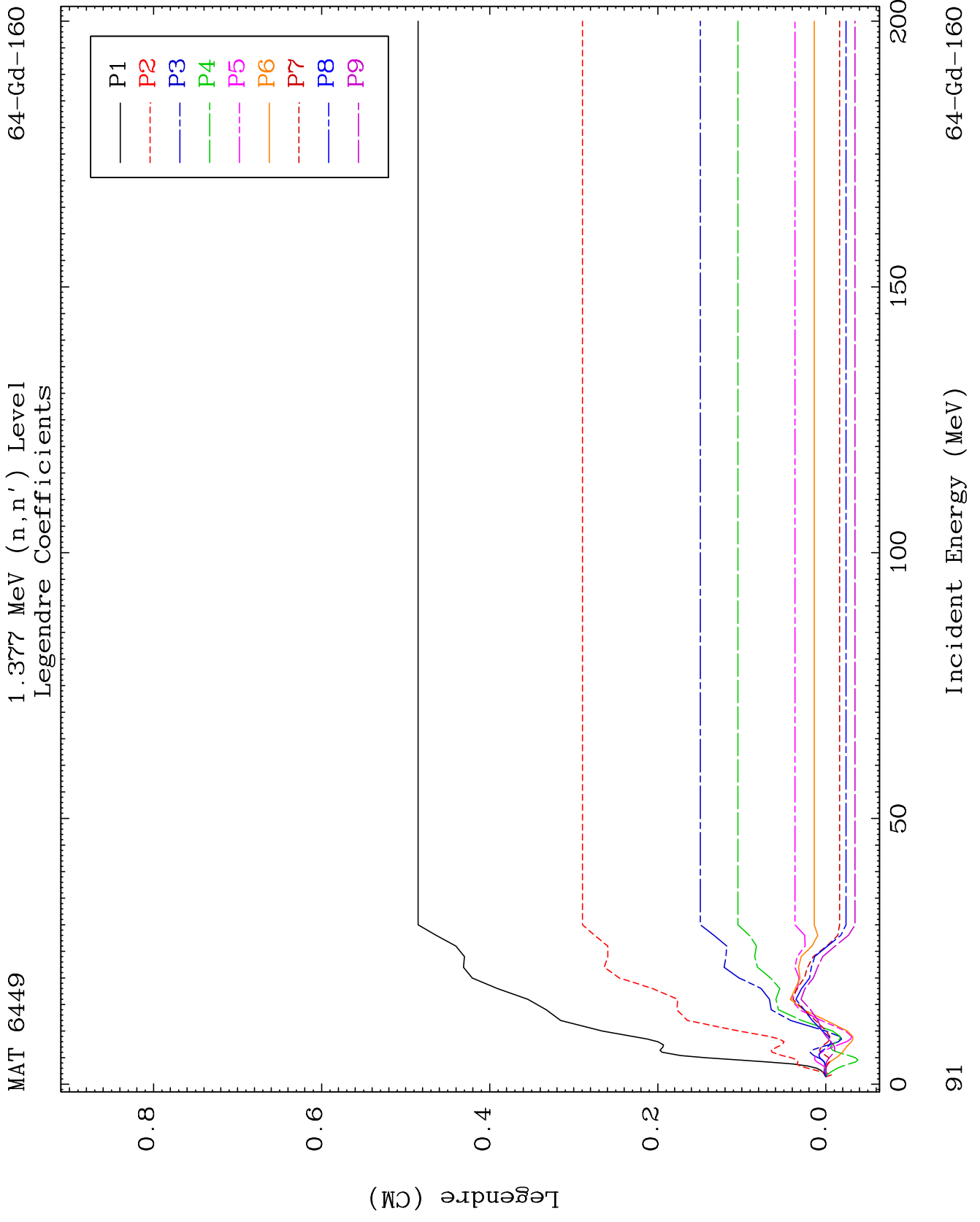
64-Gd-160







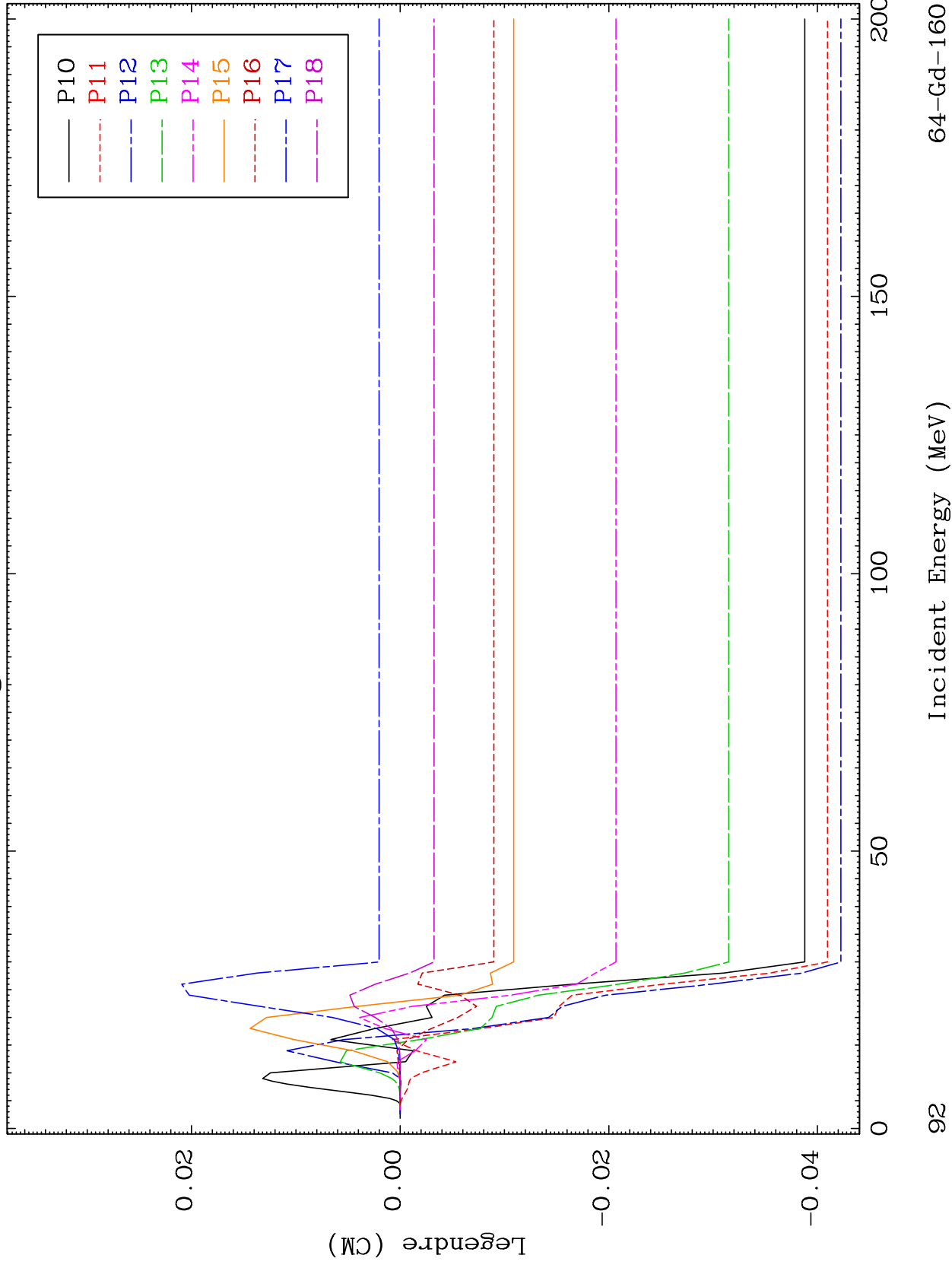




MAT 6449

1.377 MeV (n,n') Level
Legendre Coefficients

64-Gd-160



64-Gd-160

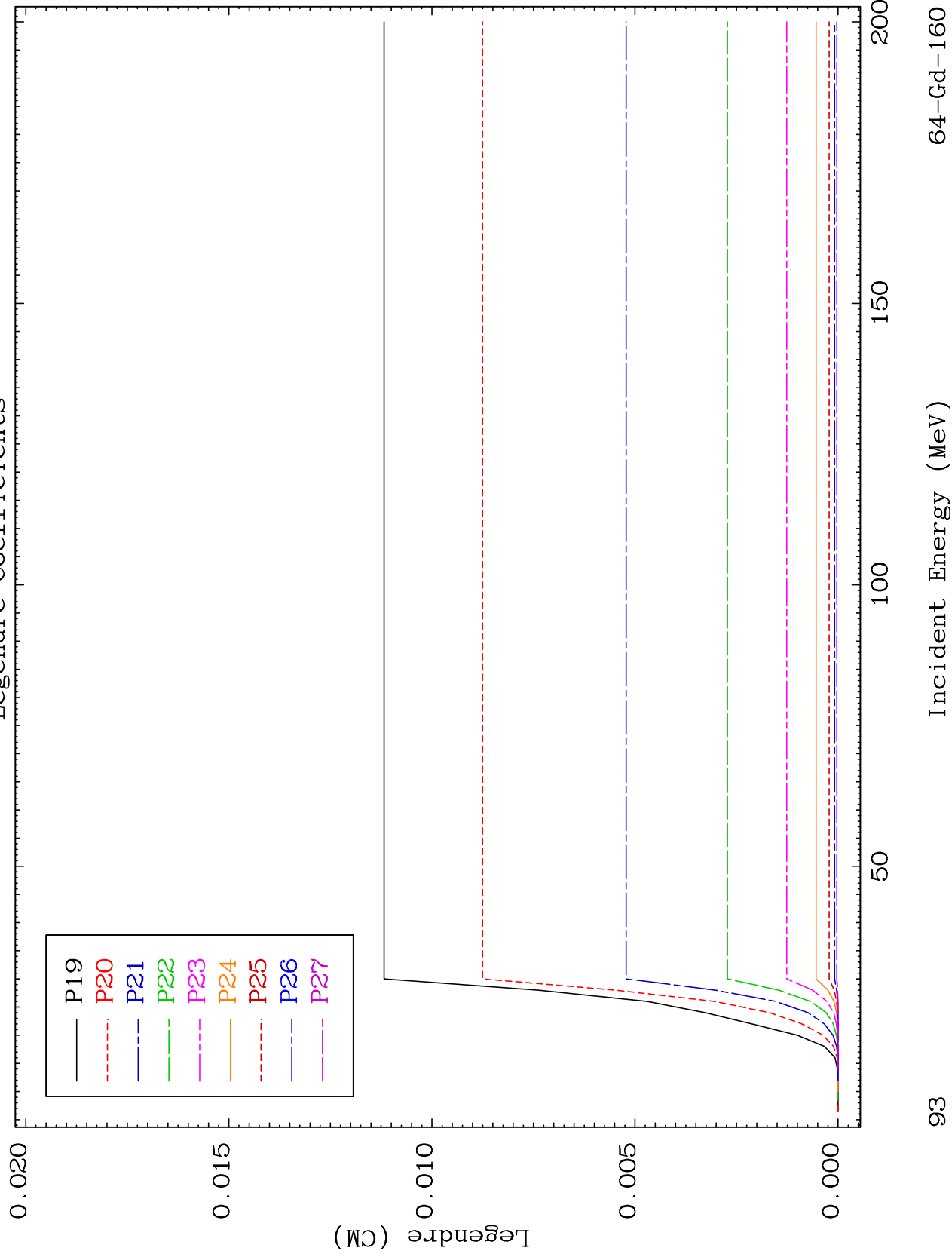
Incident Energy (MeV)

92

MAT 6449

1.377 MeV (n, n') Level
Legendre Coefficients

64-Gd-160



93

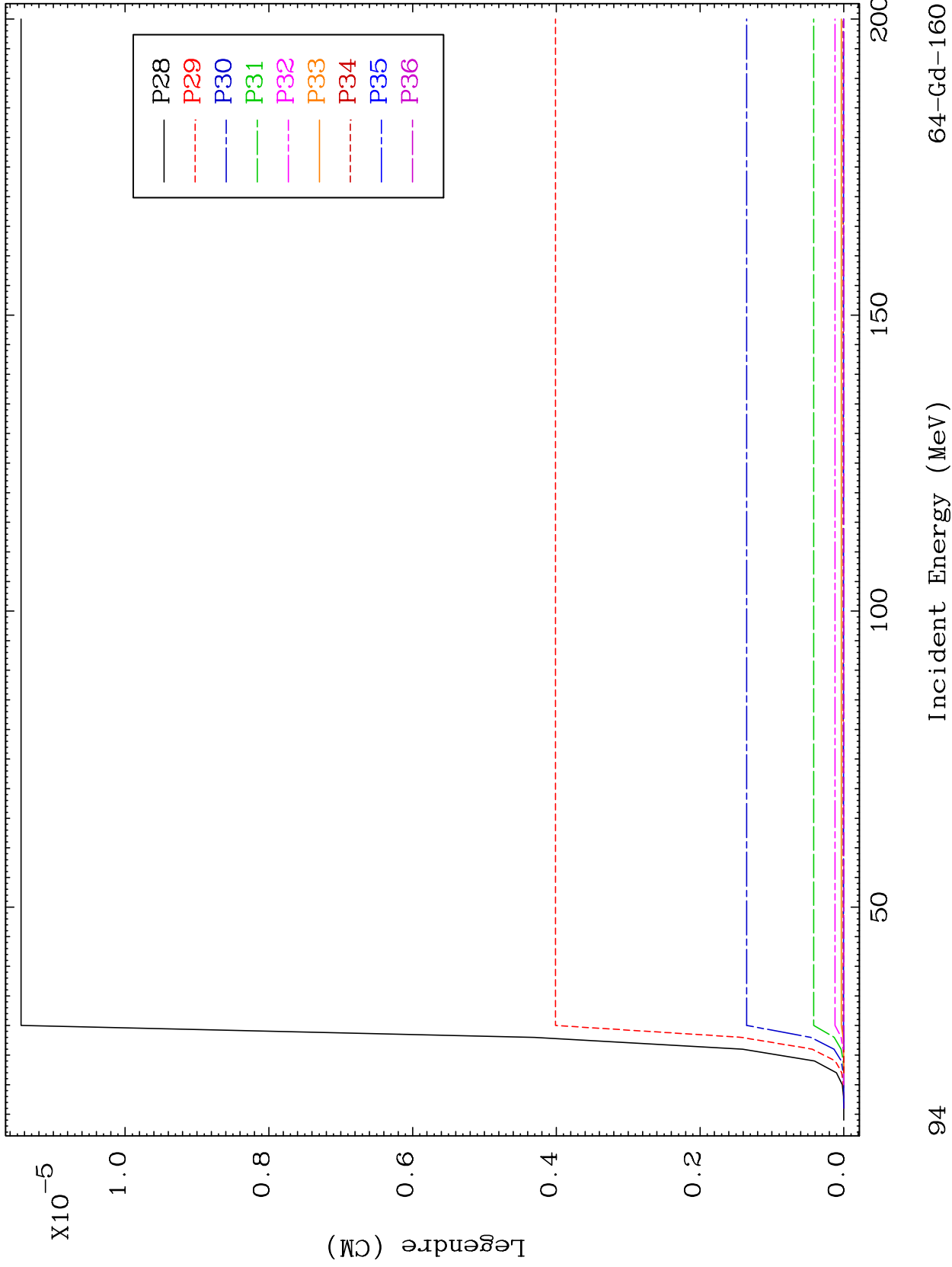
Incident Energy (MeV)

64-Gd-160

MAT 6449

1.377 MeV (n,n') Level
Legendre Coefficients

64-Gd-160



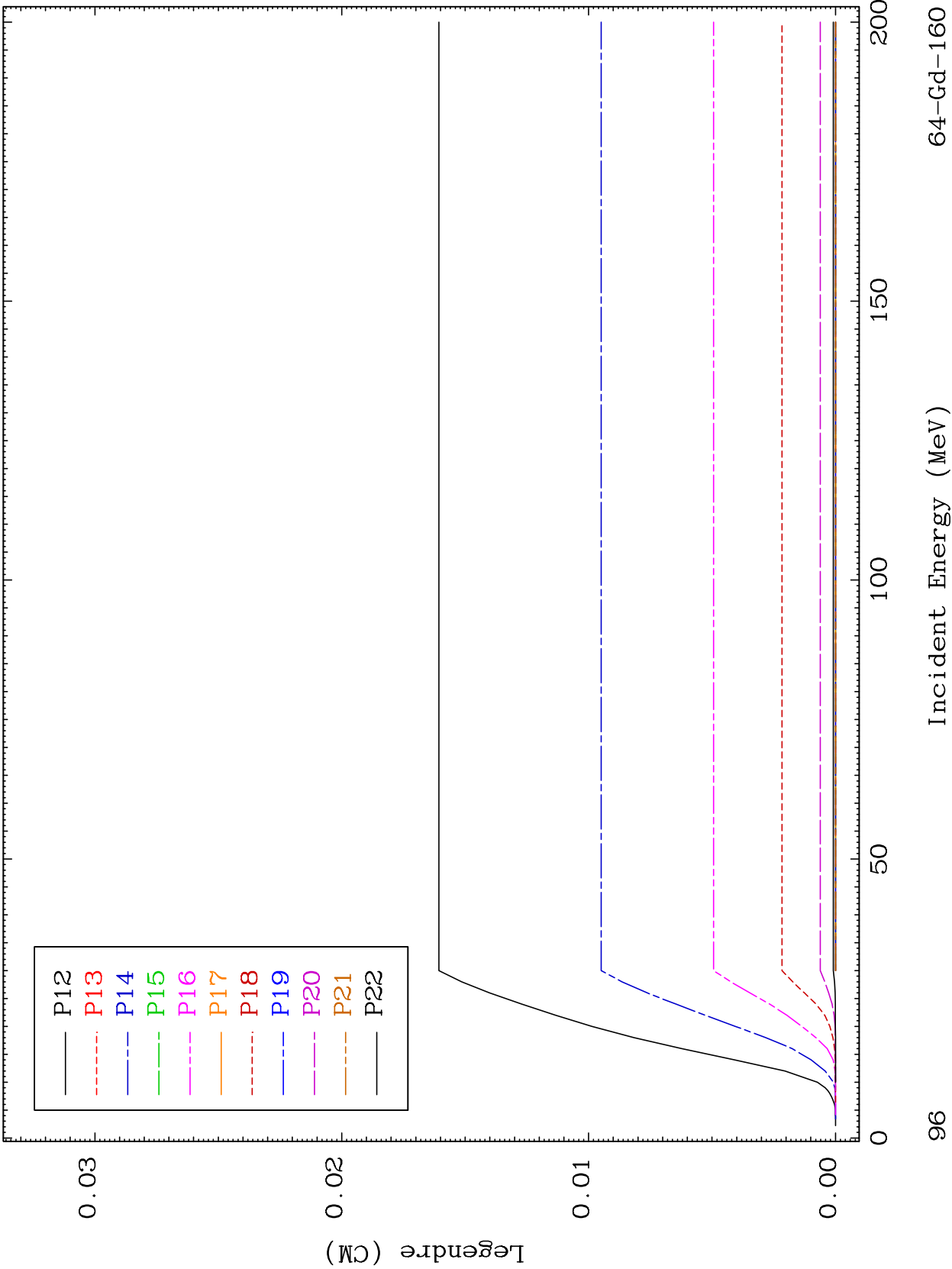
94

64-Gd-160

MAT 6449

1.380 MeV (n,n') Level Legendre Coefficients

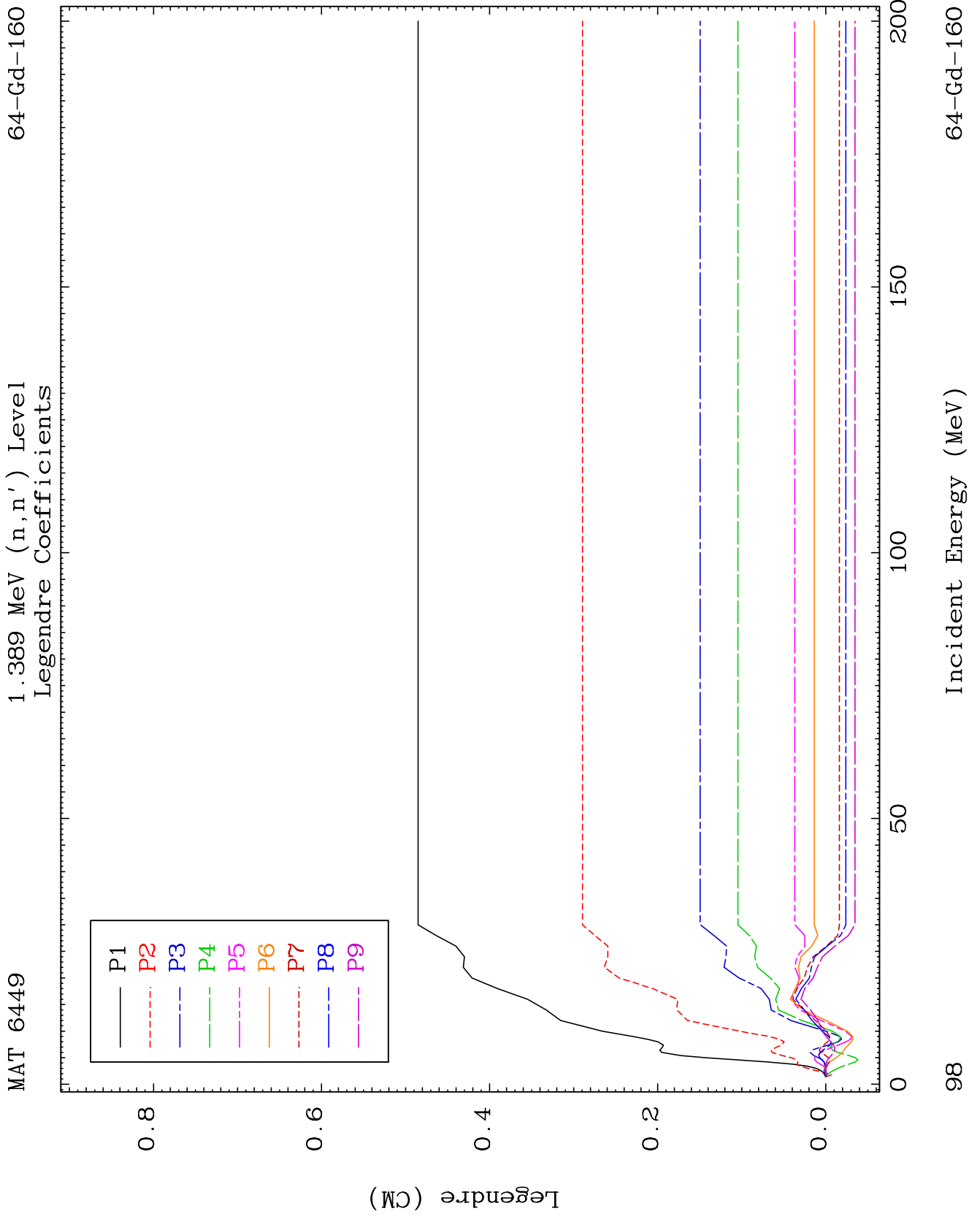
64-Gd-160



96

Incident Energy (MeV)

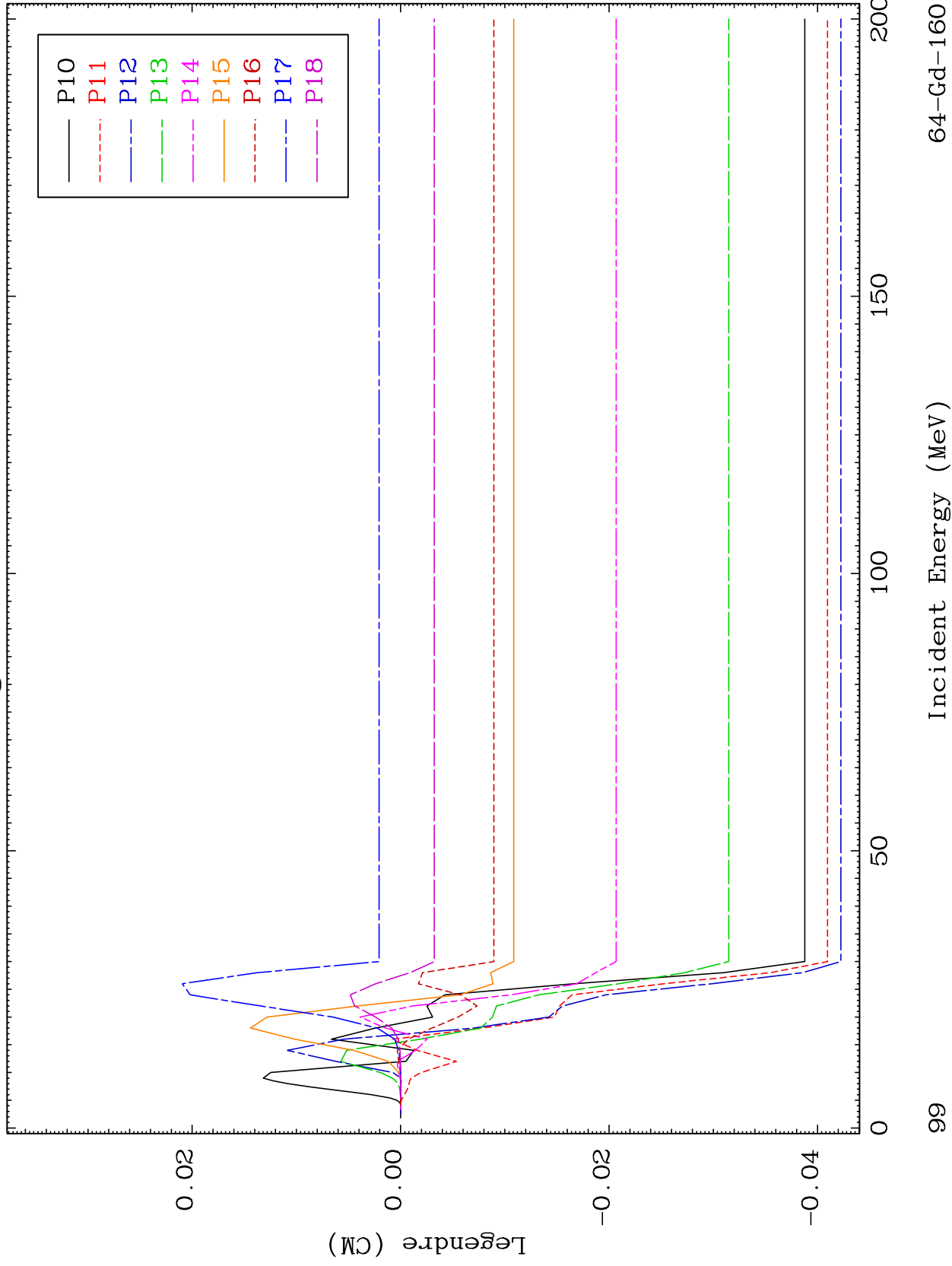
64-Gd-160



MAT 6449

1.389 MeV (n,n') Level
Legendre Coefficients

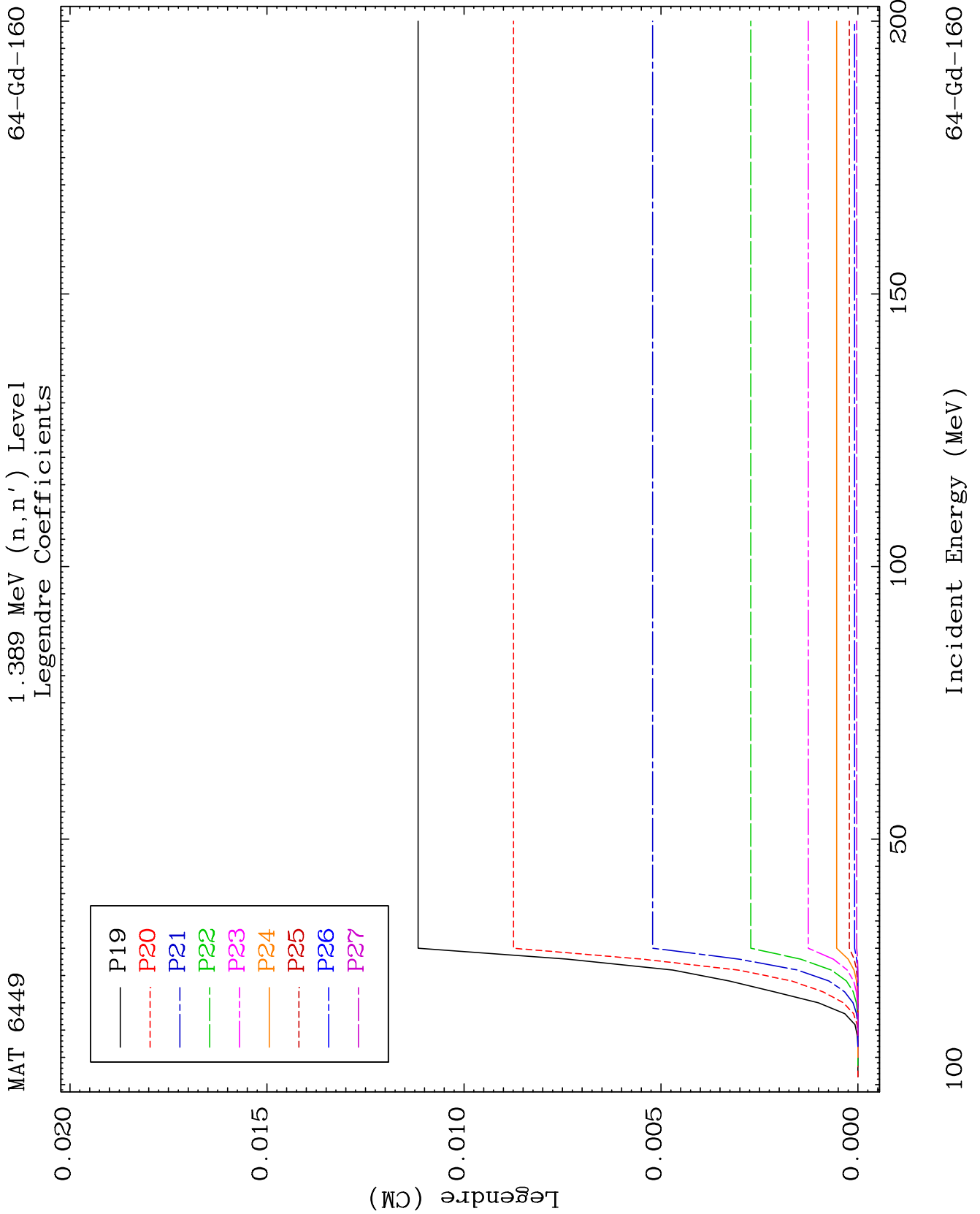
64-Gd-160

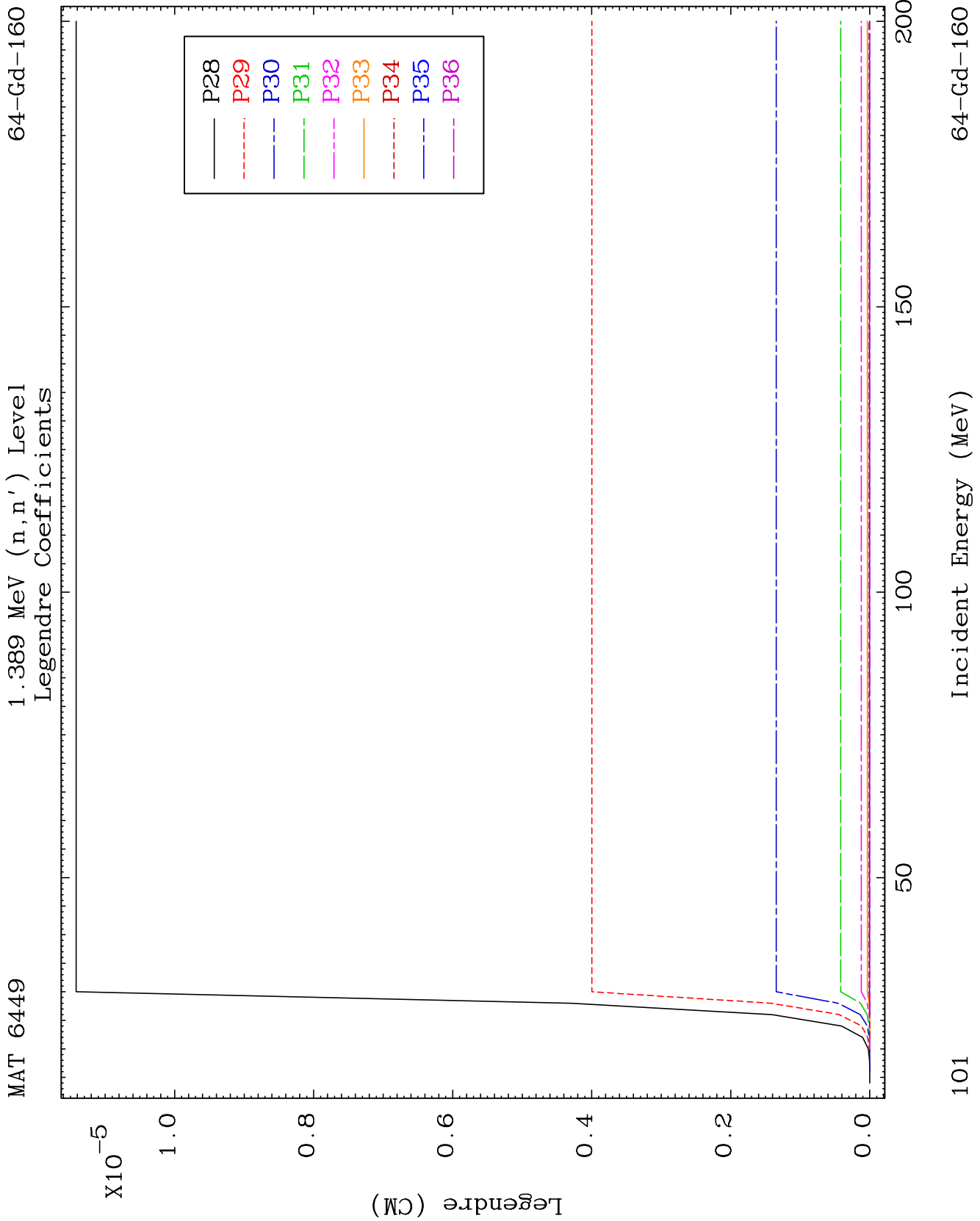


99

Incident Energy (MeV)

64-Gd-160

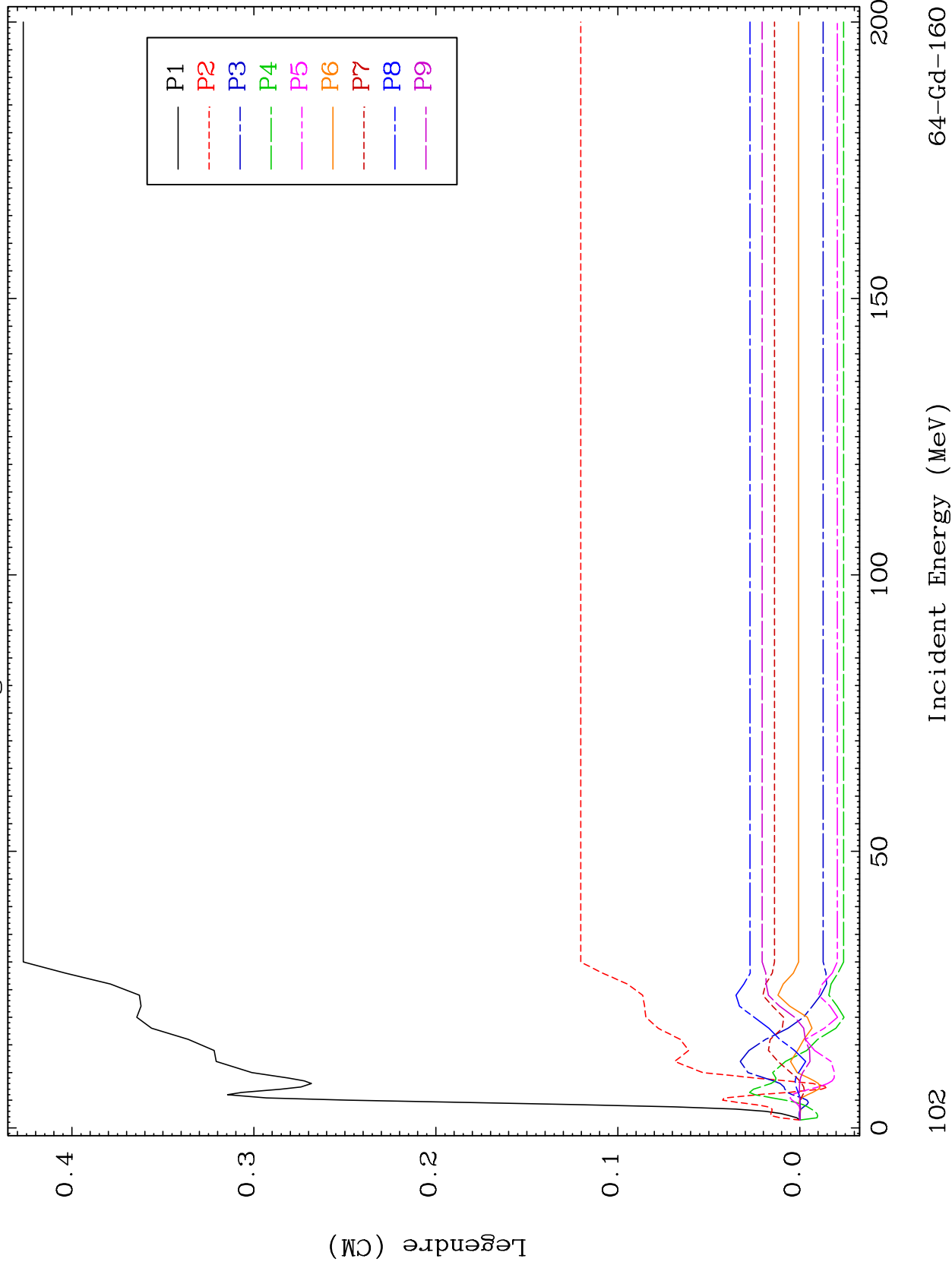




MAT 6449

1.393 MeV (n,n') Level
Legendre Coefficients

64-Gd-160



64-Gd-160

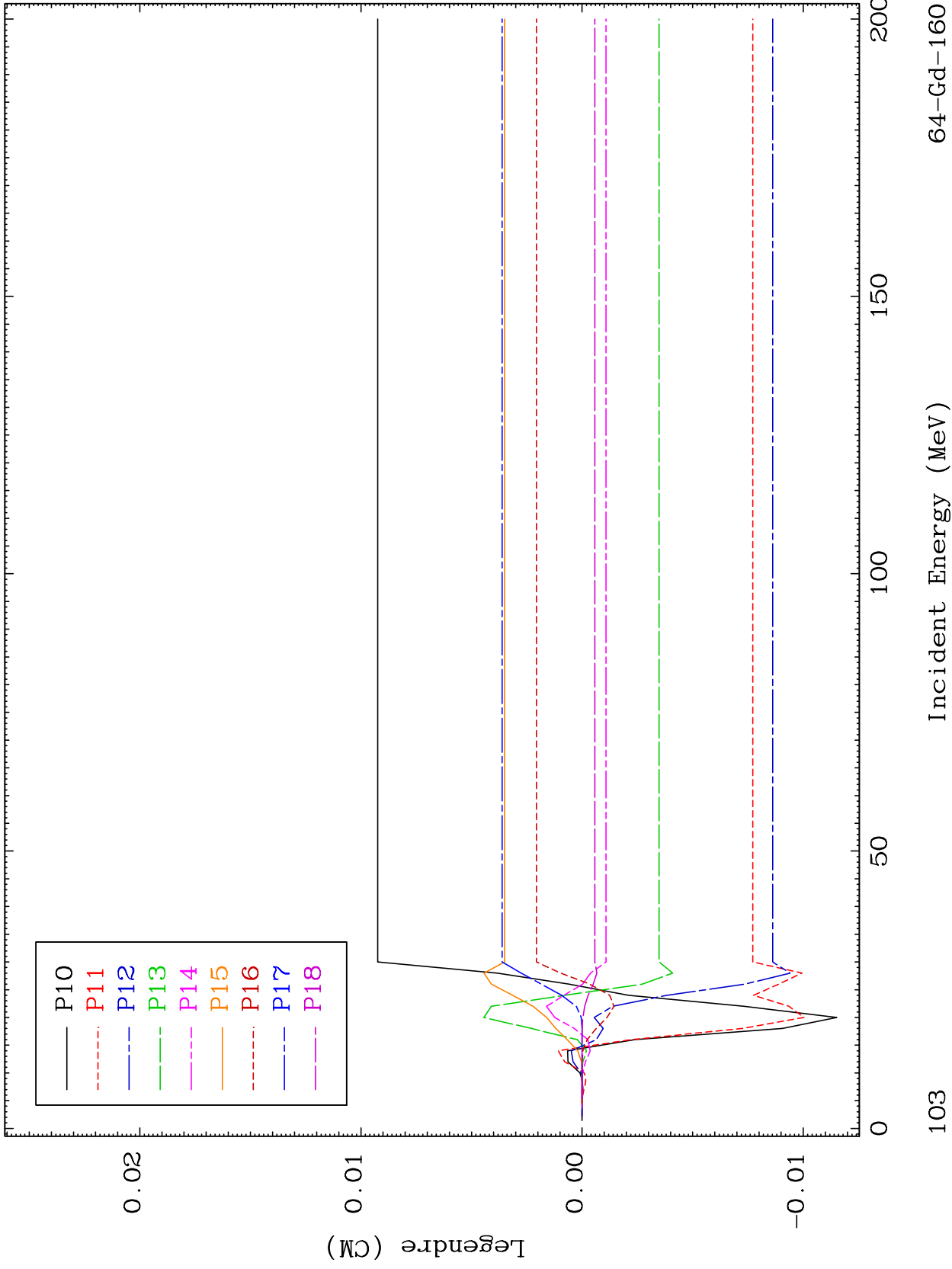
Incident Energy (MeV)

102

MAT 6449

1.393 MeV (n,n') Level
Legendre Coefficients

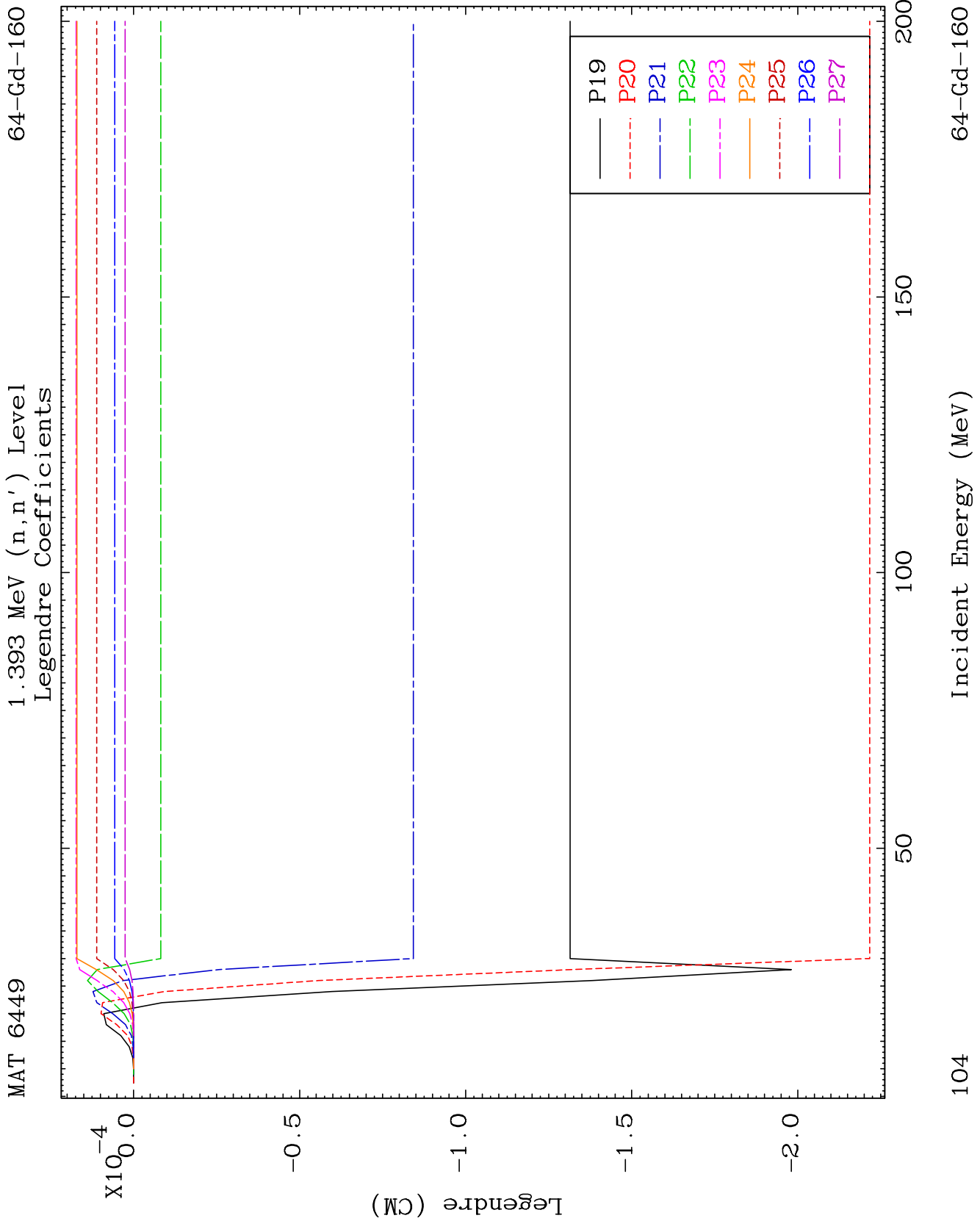
64-Gd-160

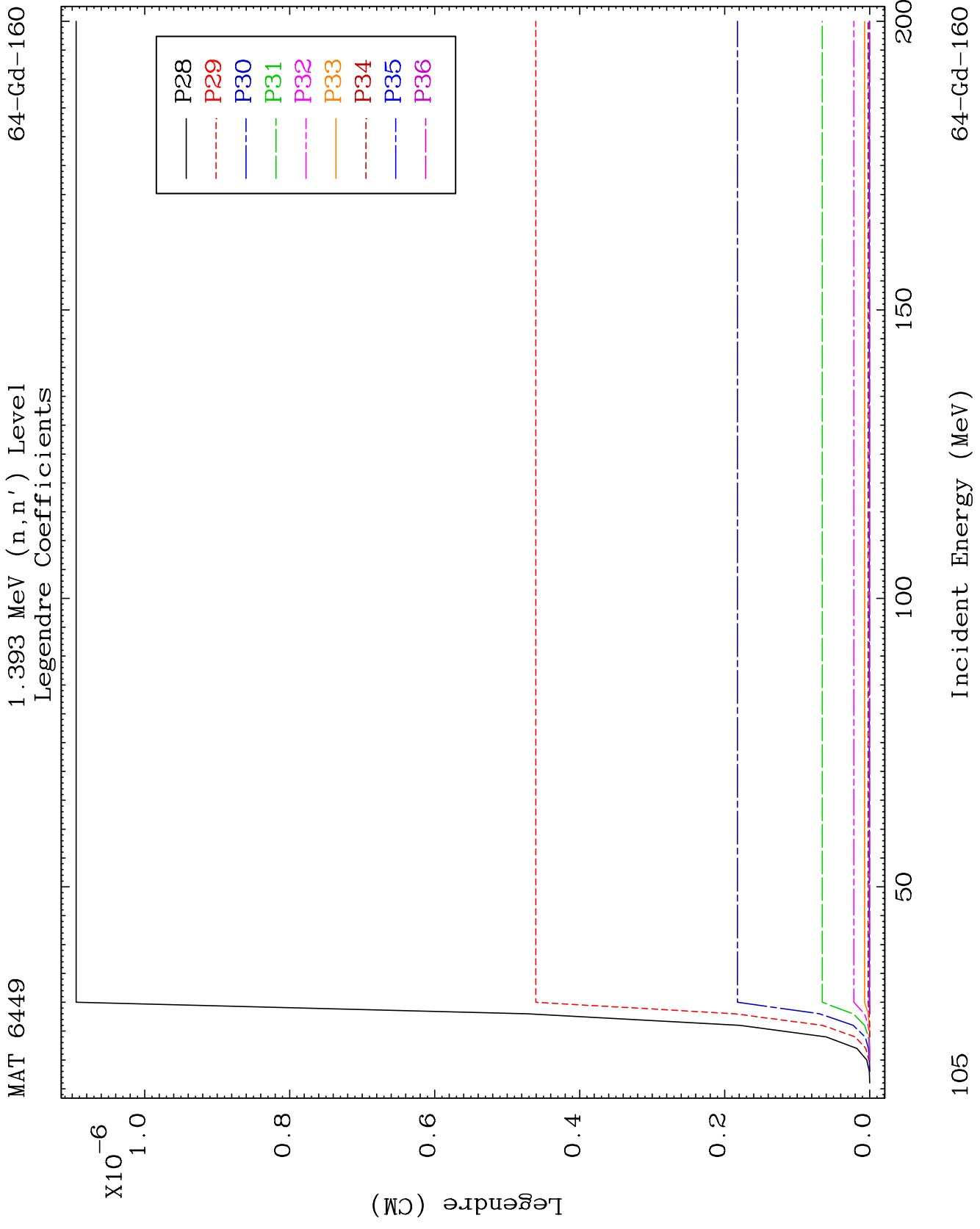


103

Incident Energy (MeV)

64-Gd-160

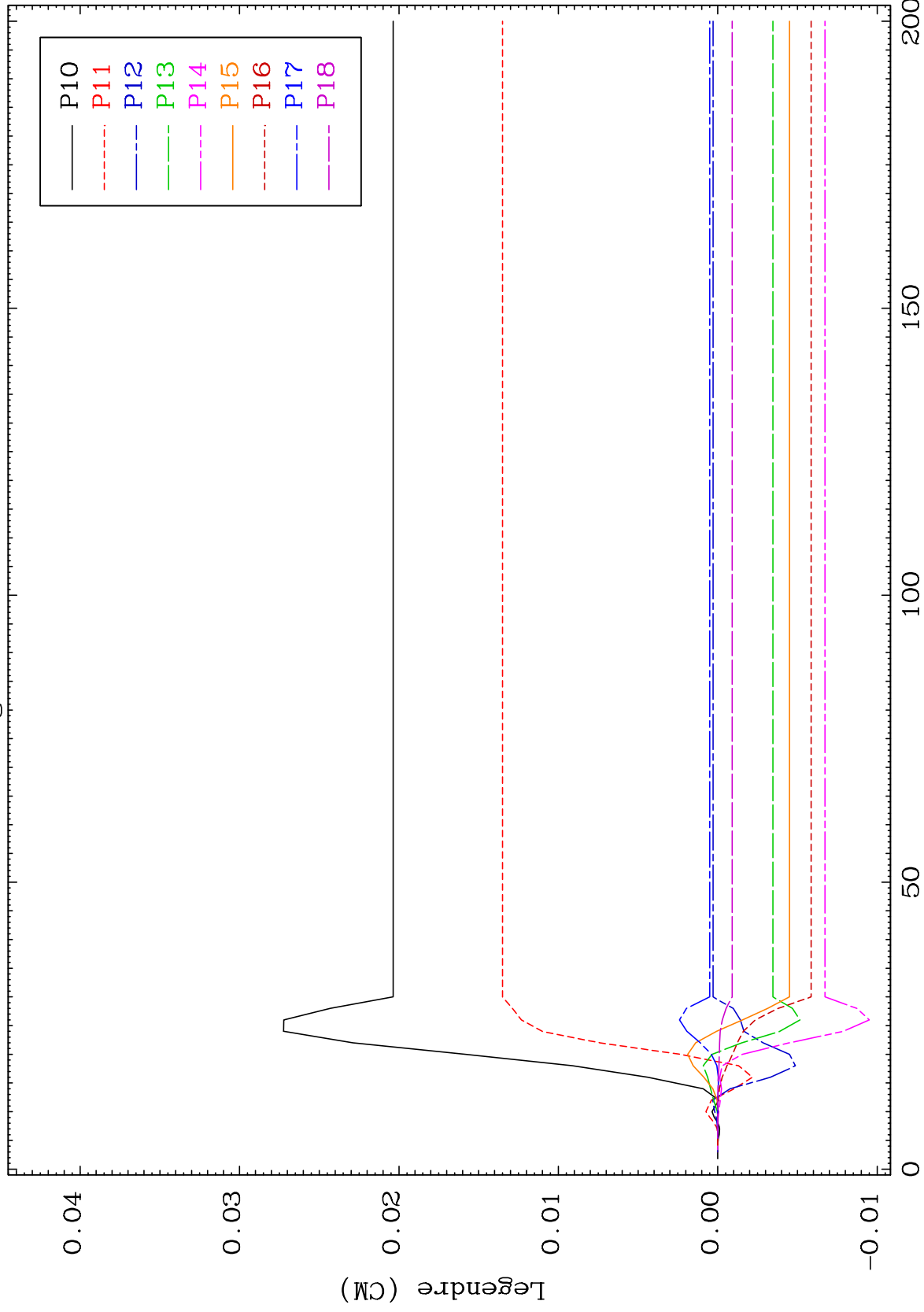




MAT 6449

1.428 MeV (n,n') Level
Legendre Coefficients

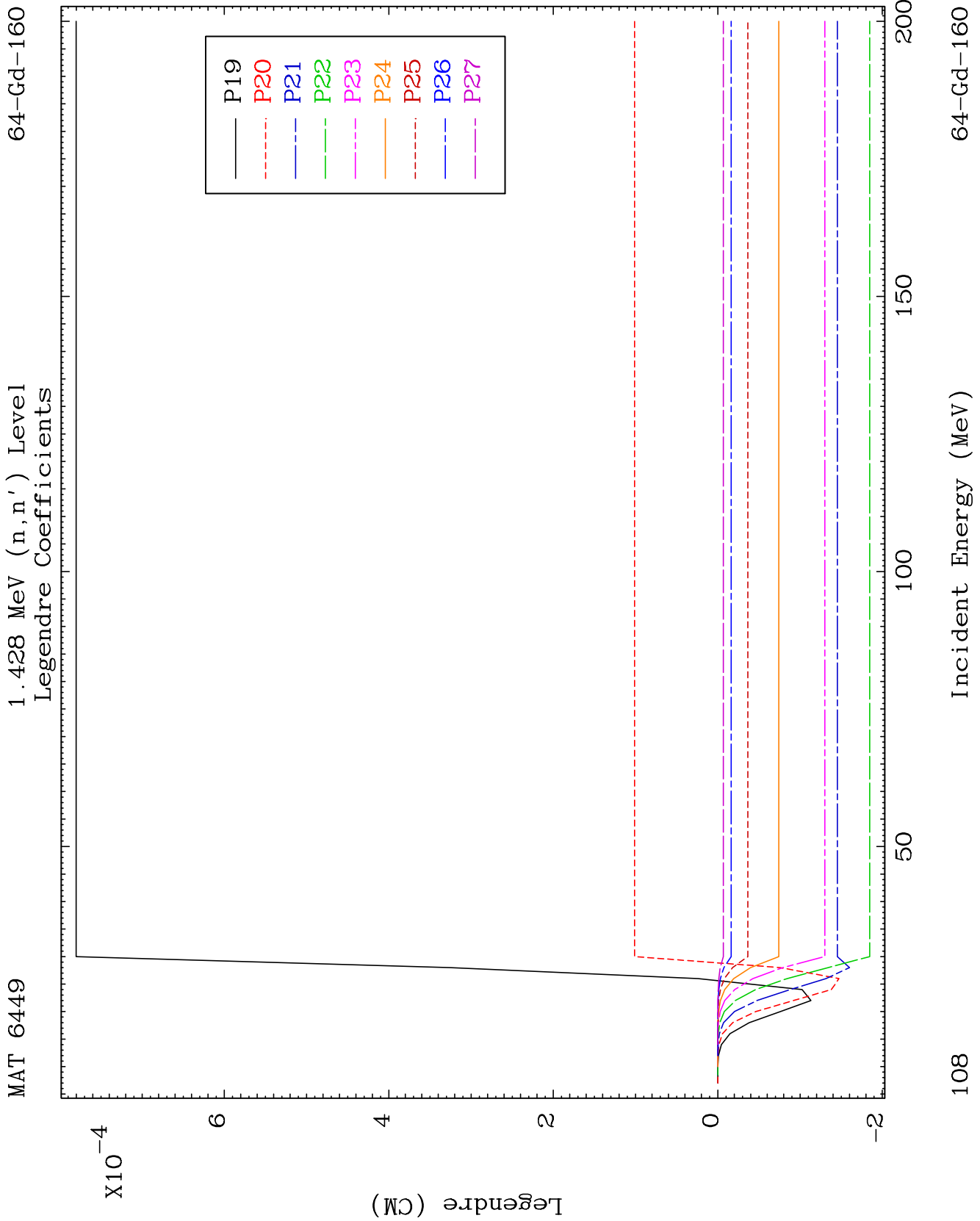
64-Gd-160

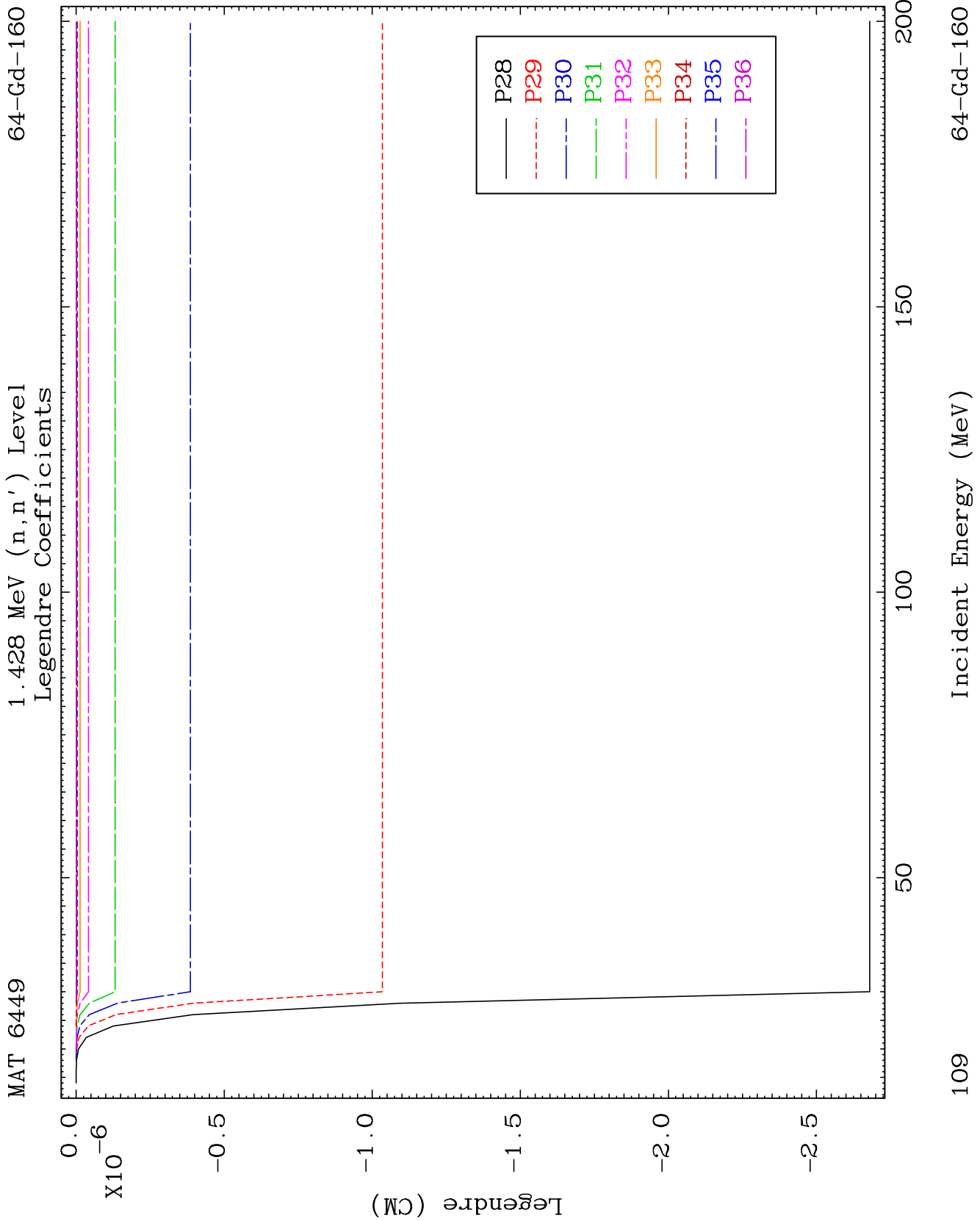


107

Incident Energy (MeV)

64-Gd-160

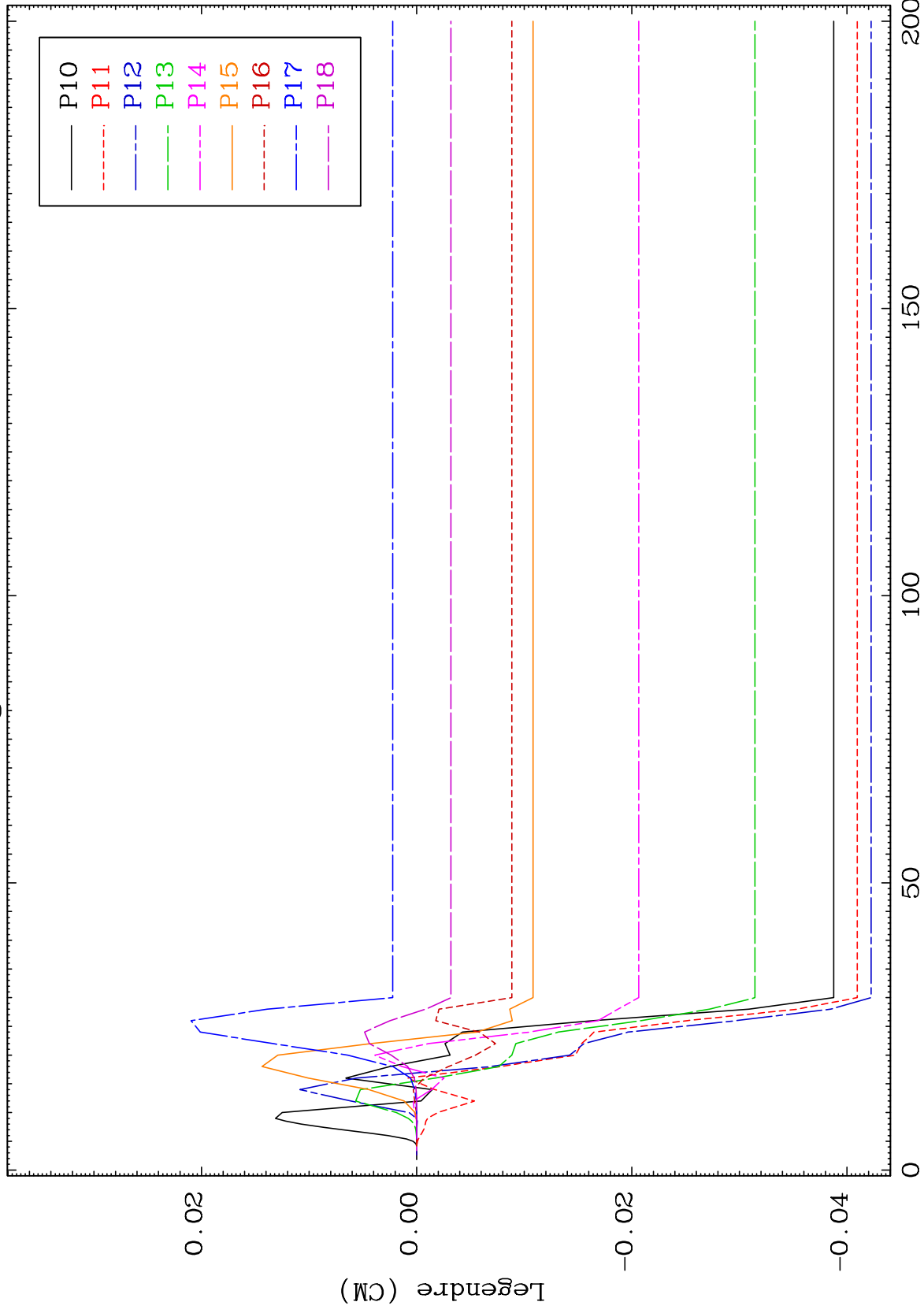




MAT 6449

1.436 MeV (n,n') Level
Legendre Coefficients

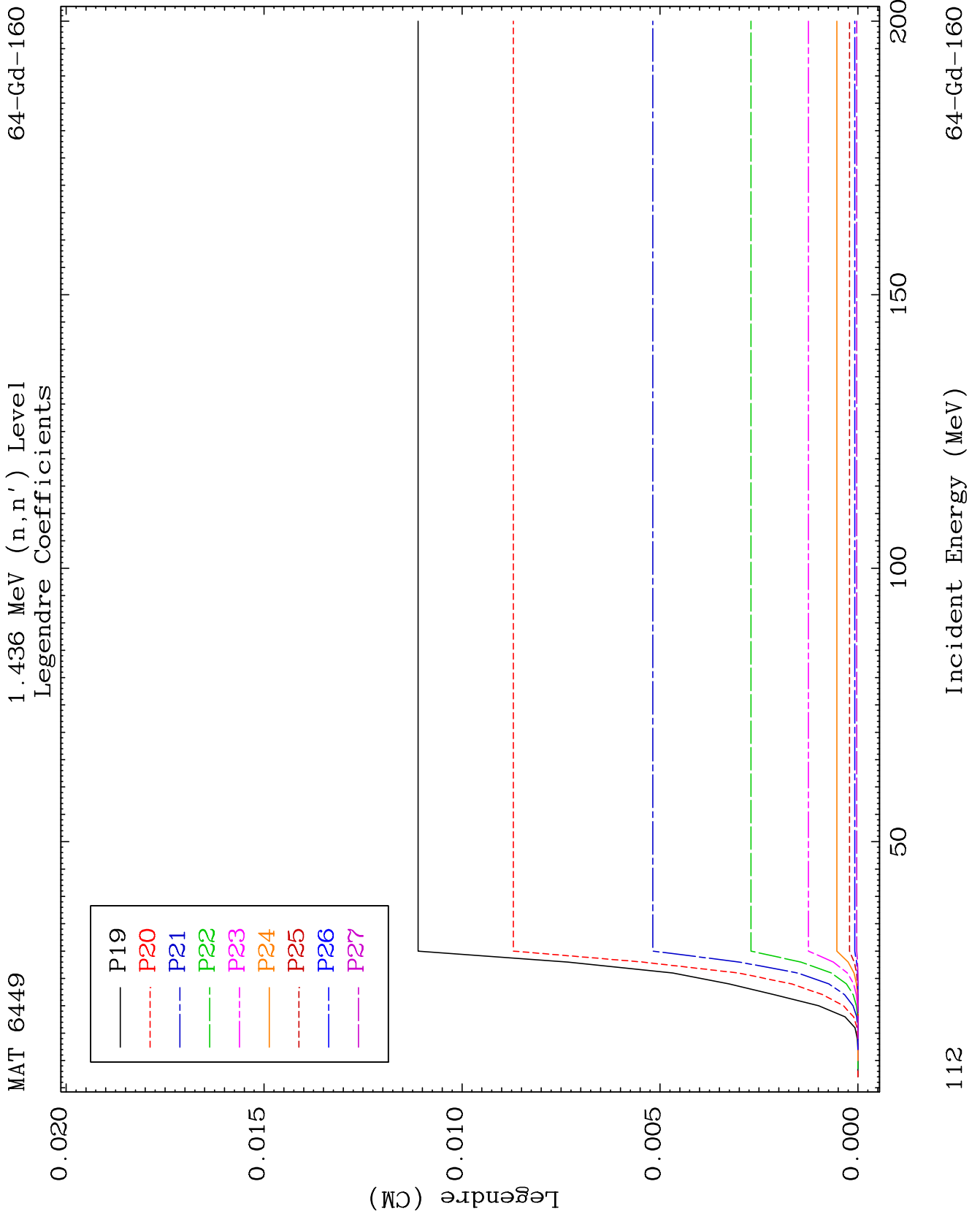
64-Gd-160



111

Incident Energy (MeV)

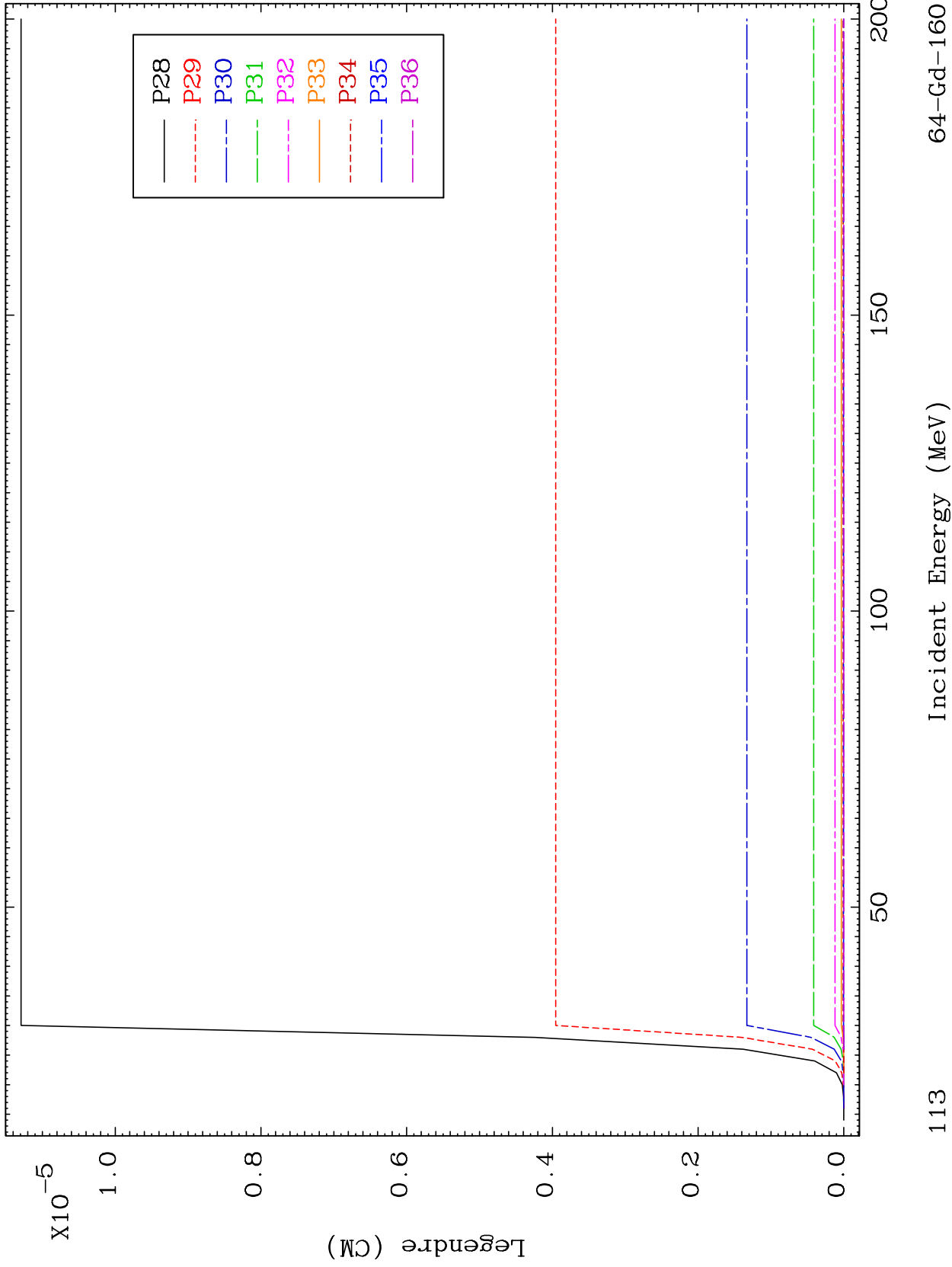
64-Gd-160



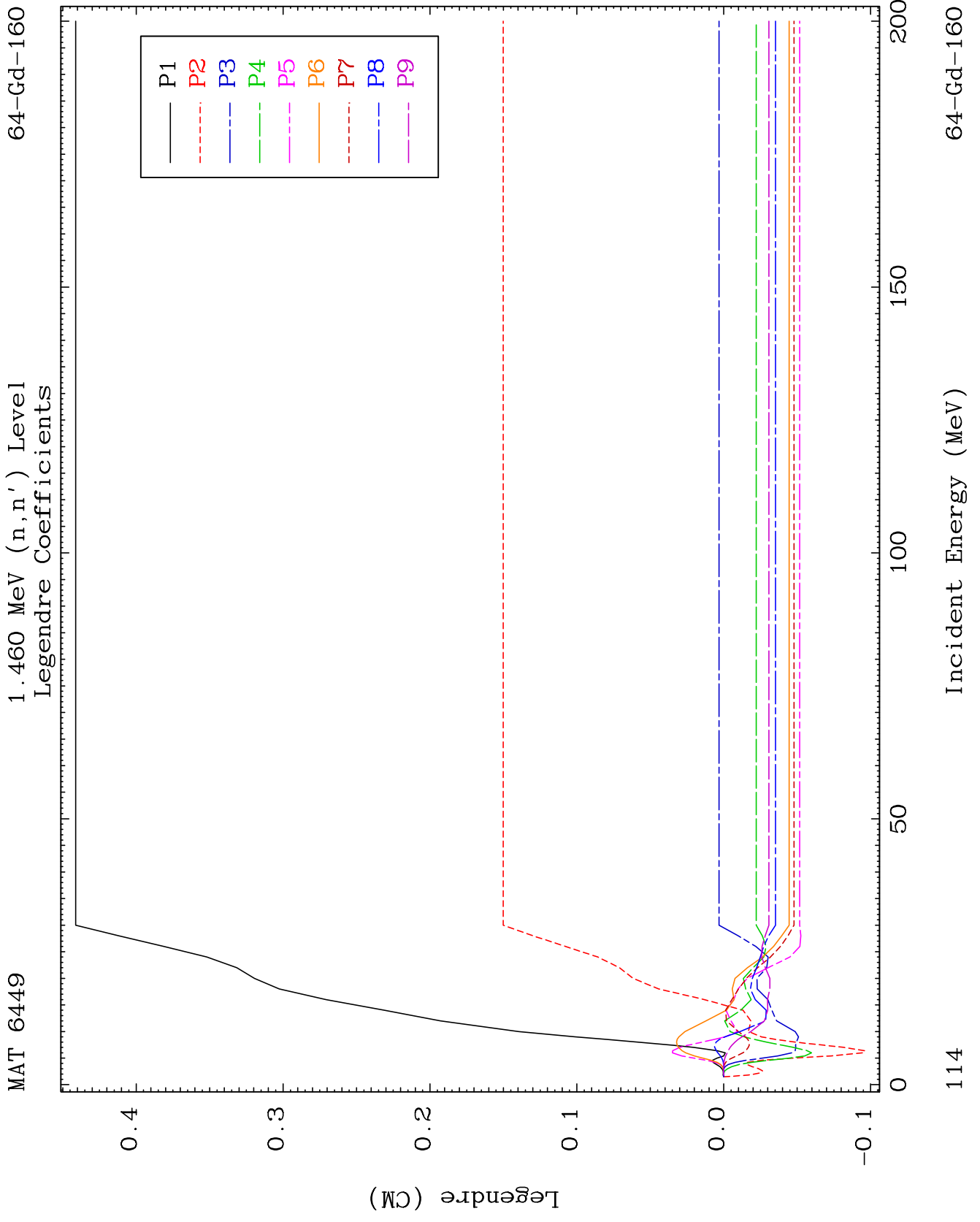
MAT 6449

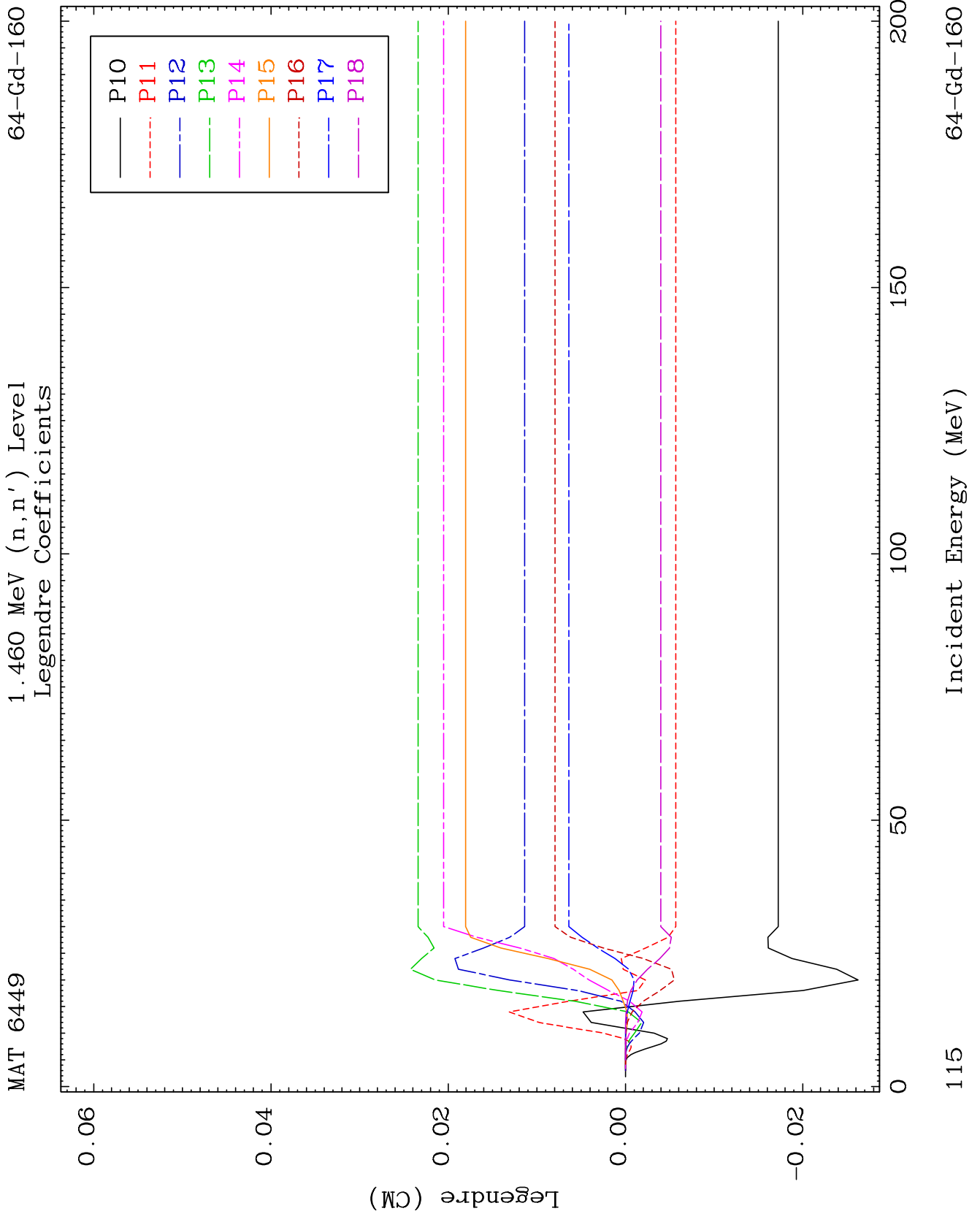
1.436 MeV (n,n') Level
Legendre Coefficients

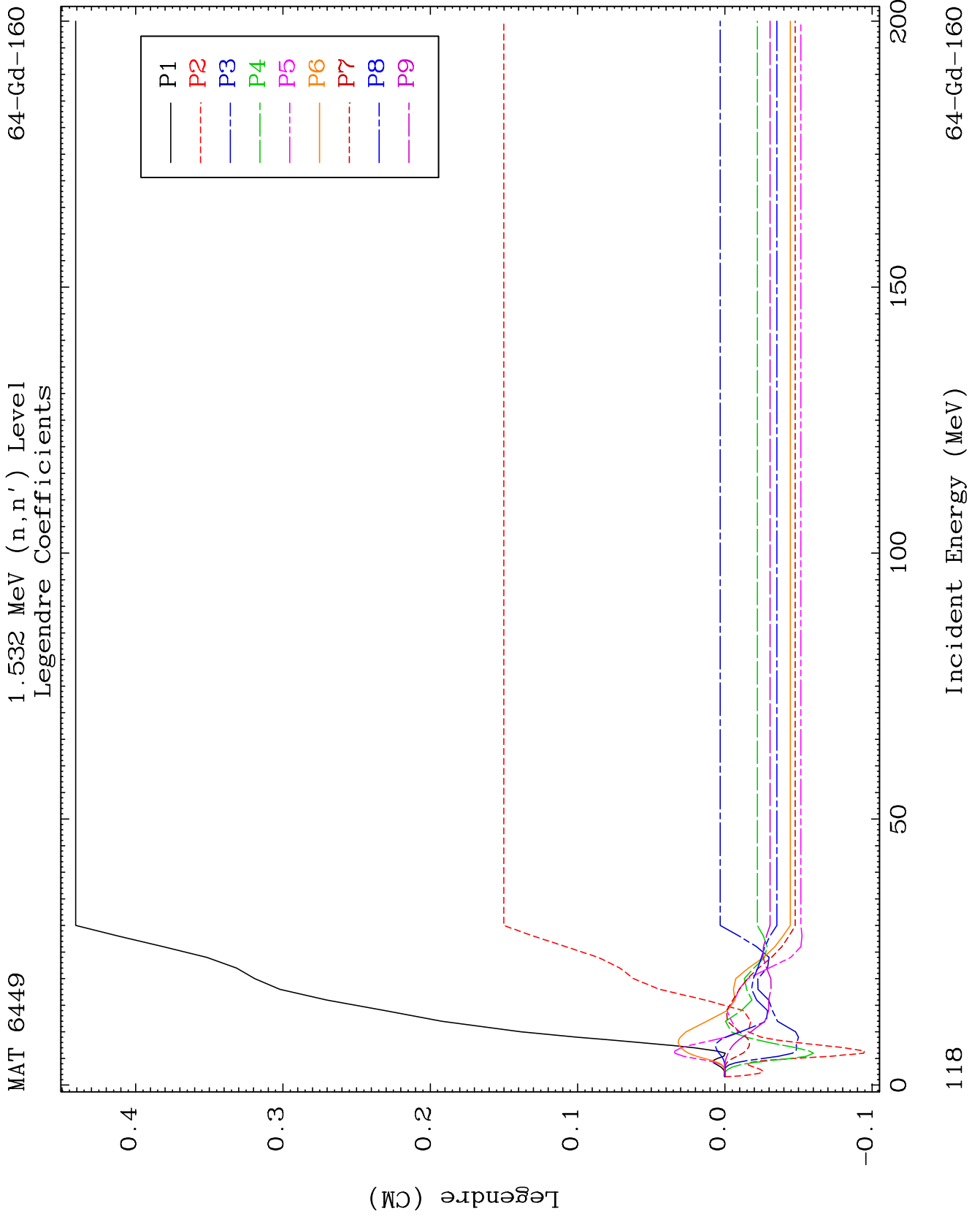
64-Gd-160

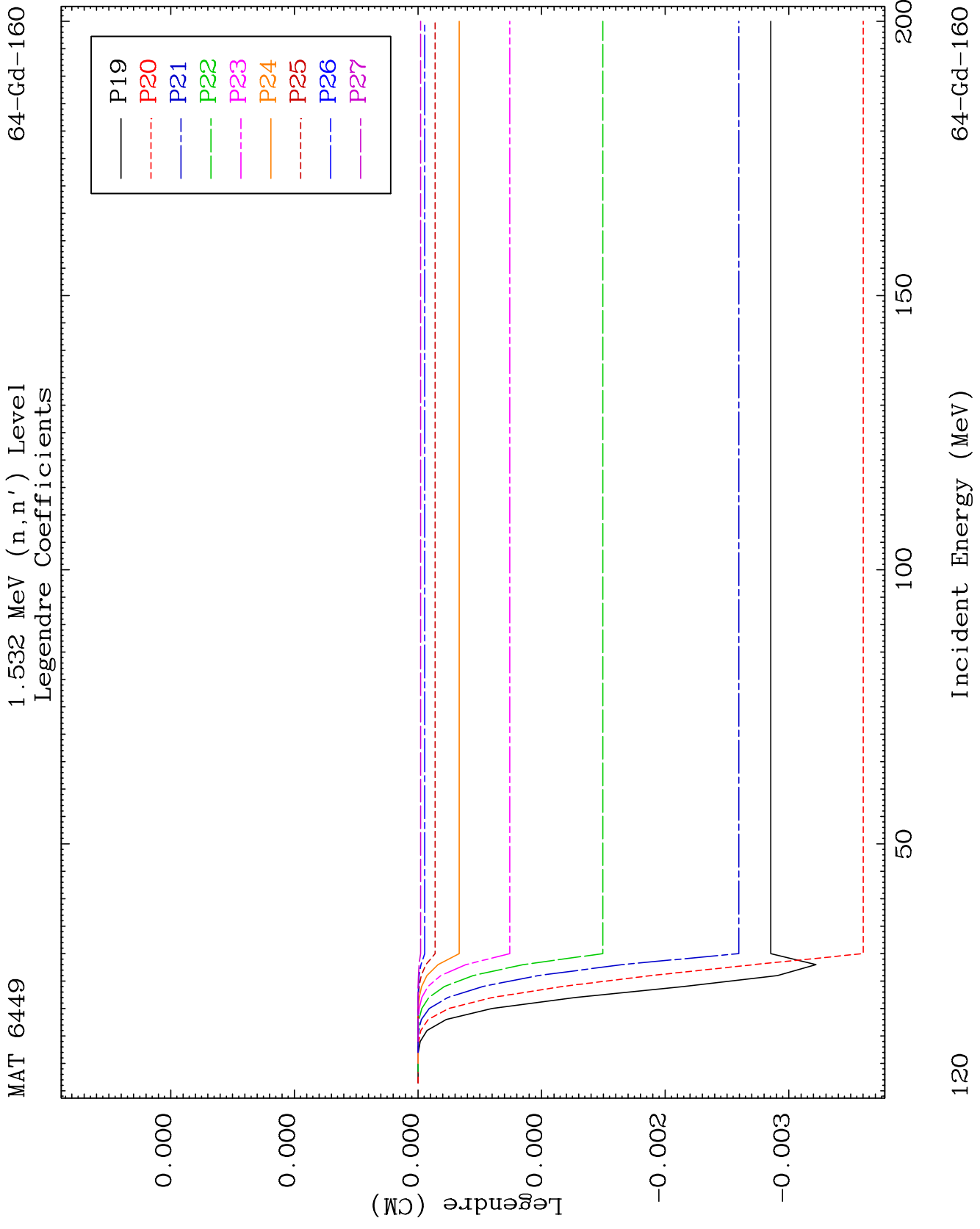


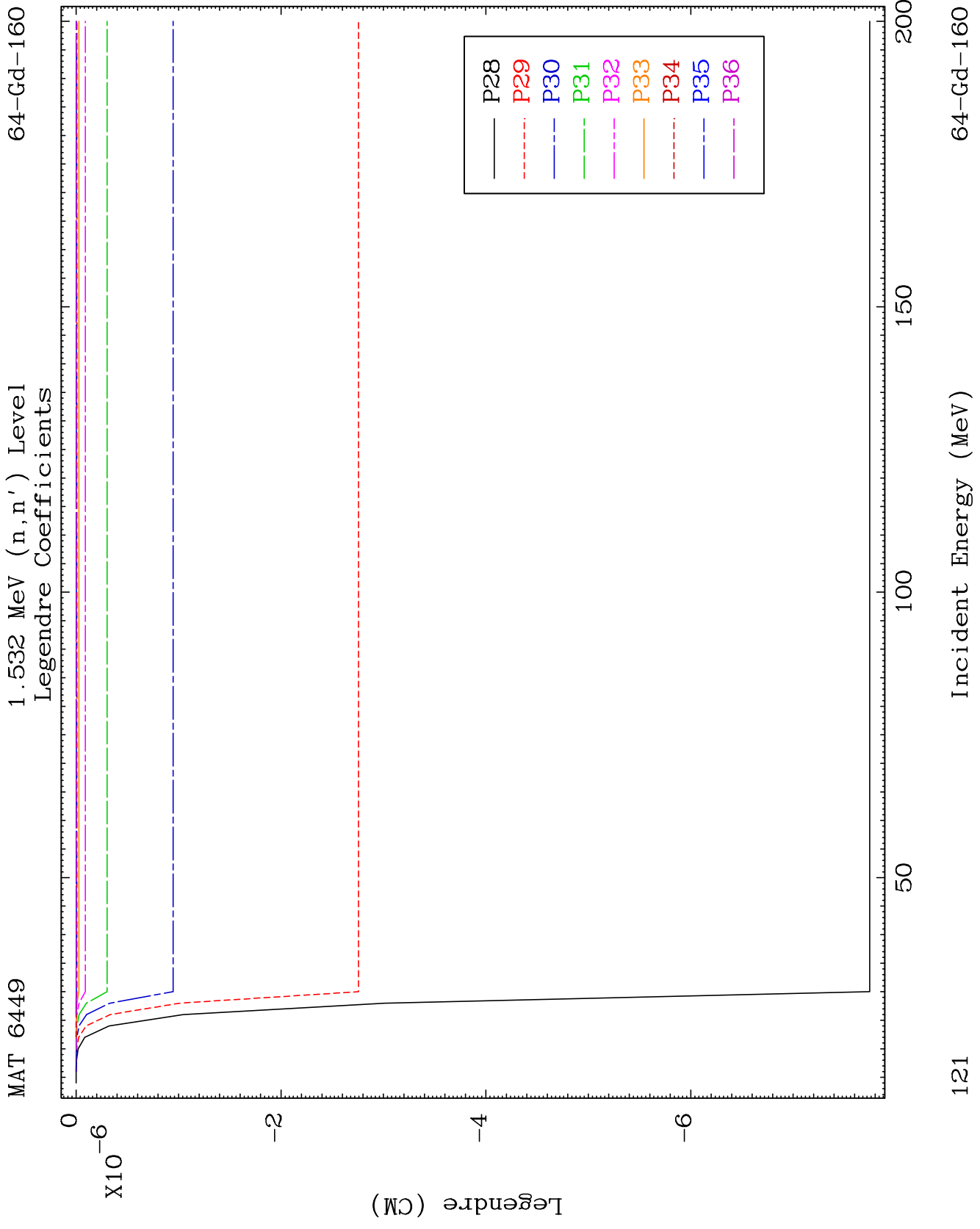
113

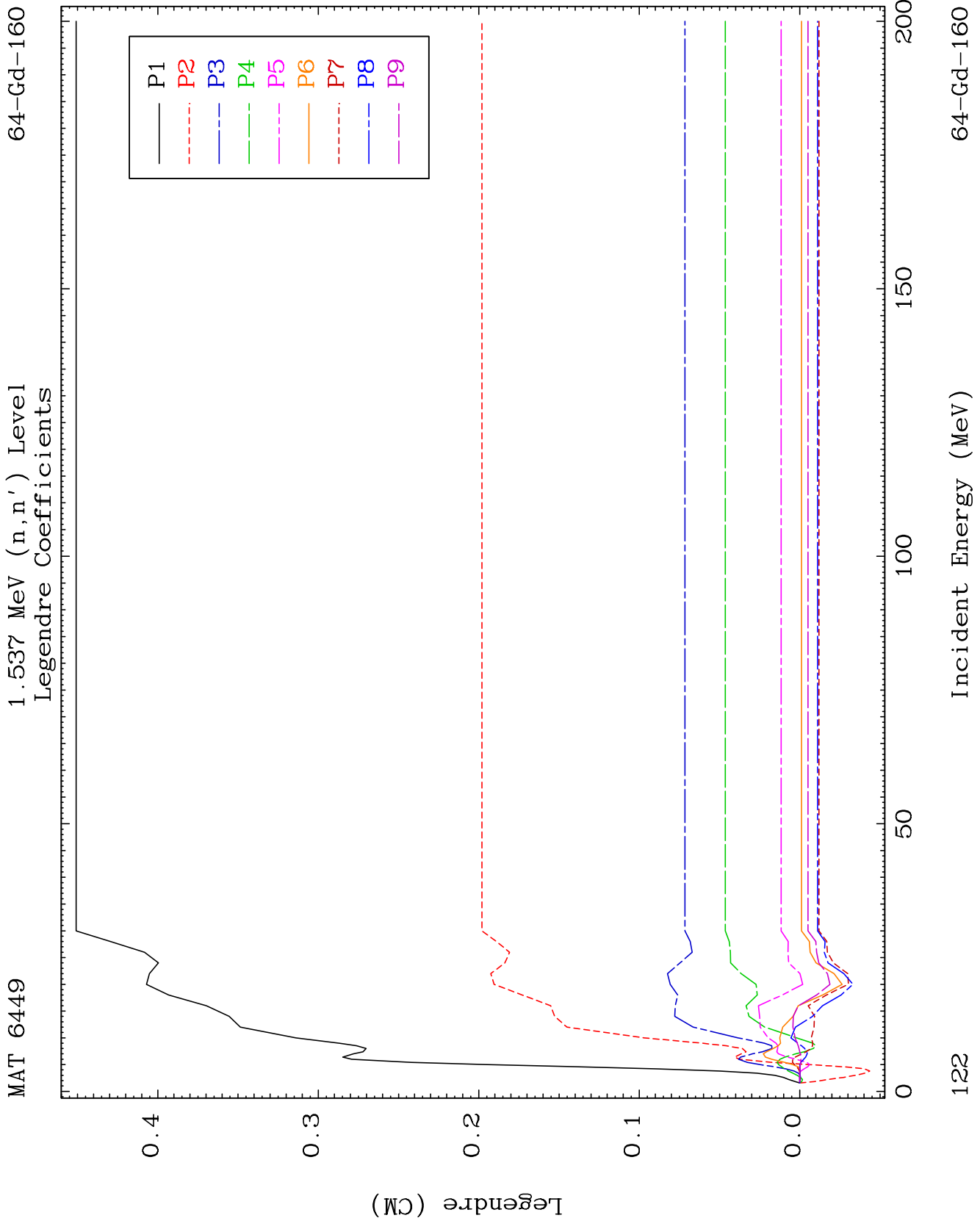








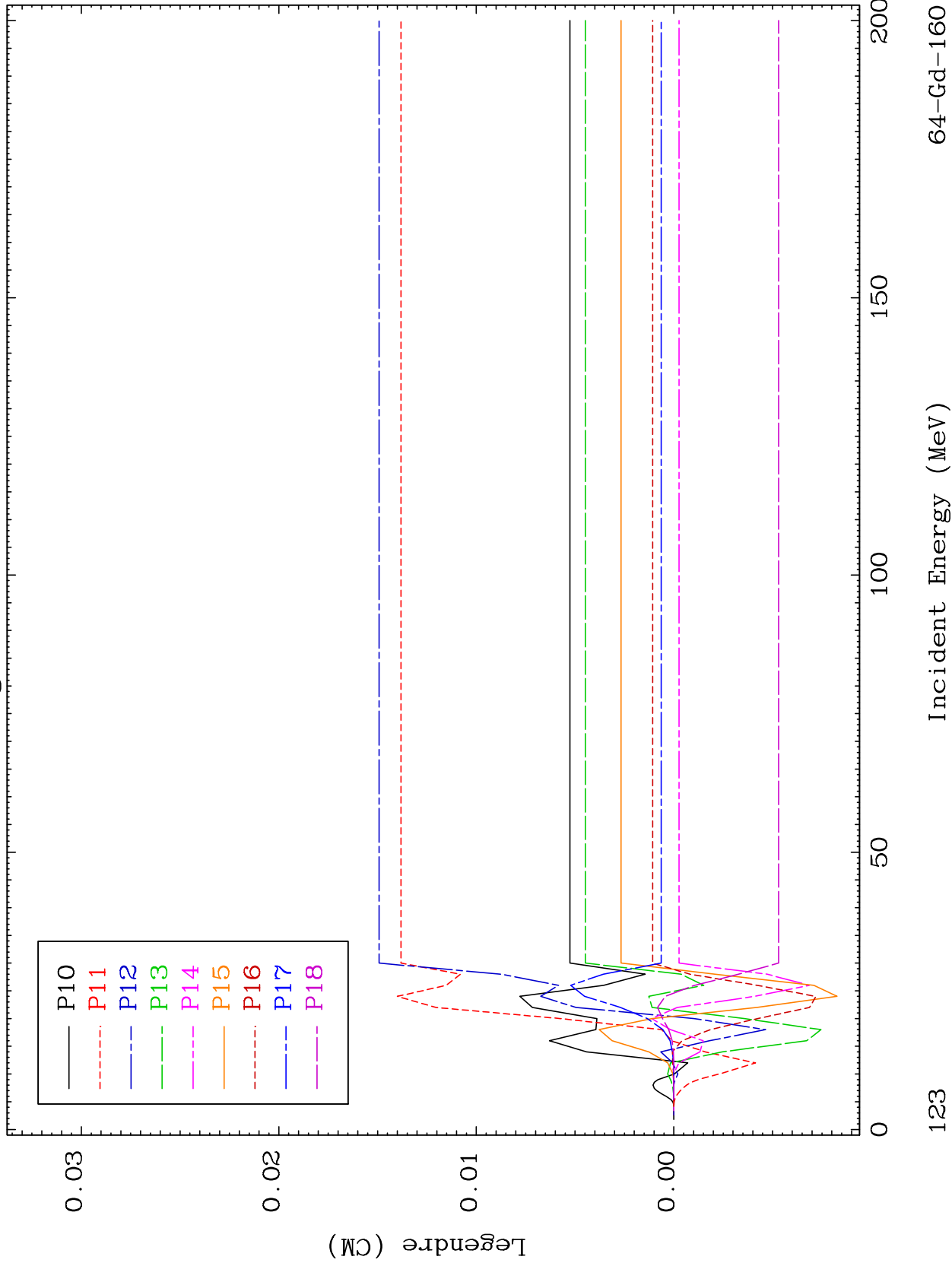




MAT 6449

1.537 MeV (n,n') Level
Legendre Coefficients

64-Gd-160



64-Gd-160

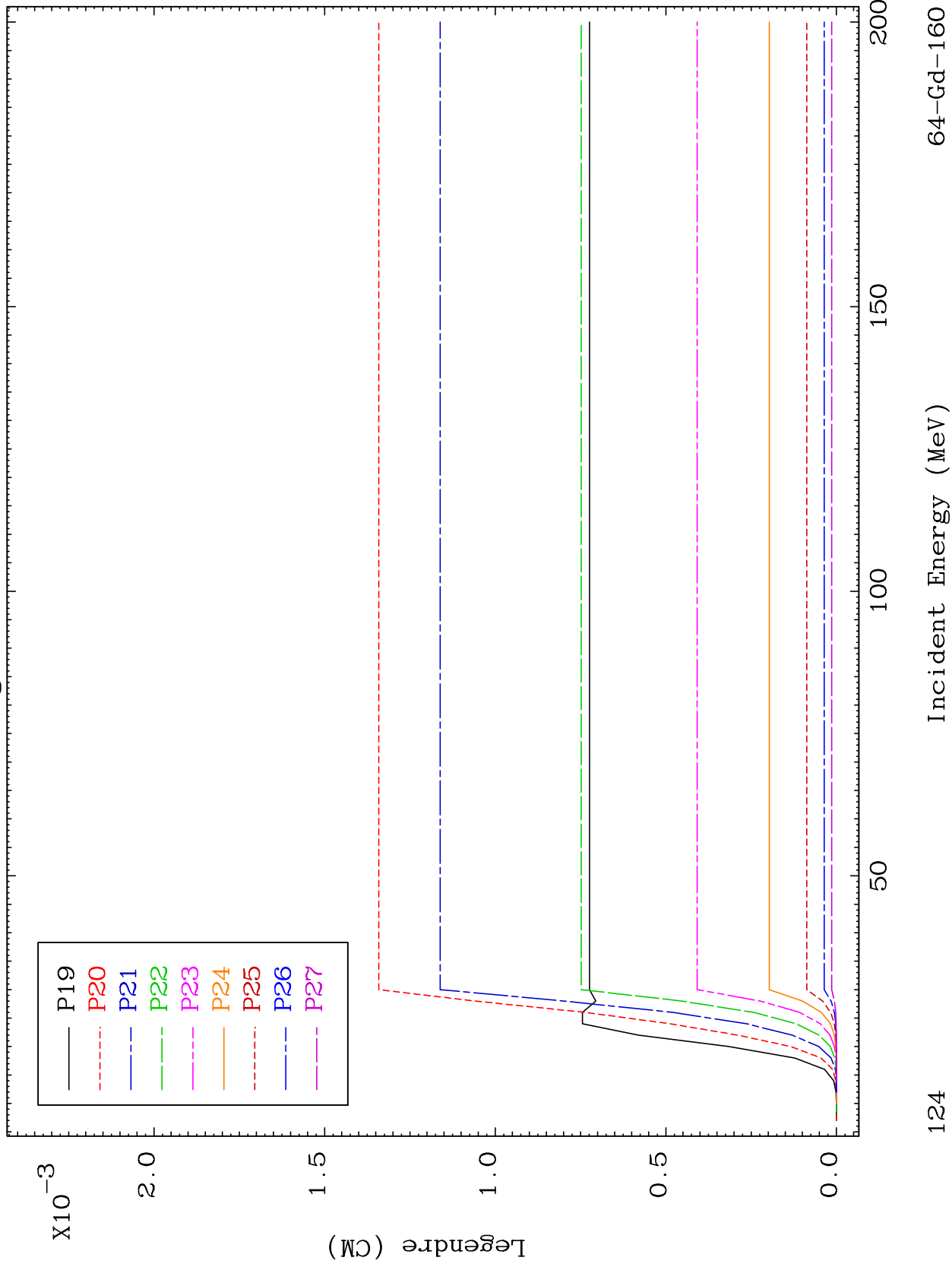
Incident Energy (MeV)

123

MAT 6449

1.537 MeV (n,n') Level Legendre Coefficients

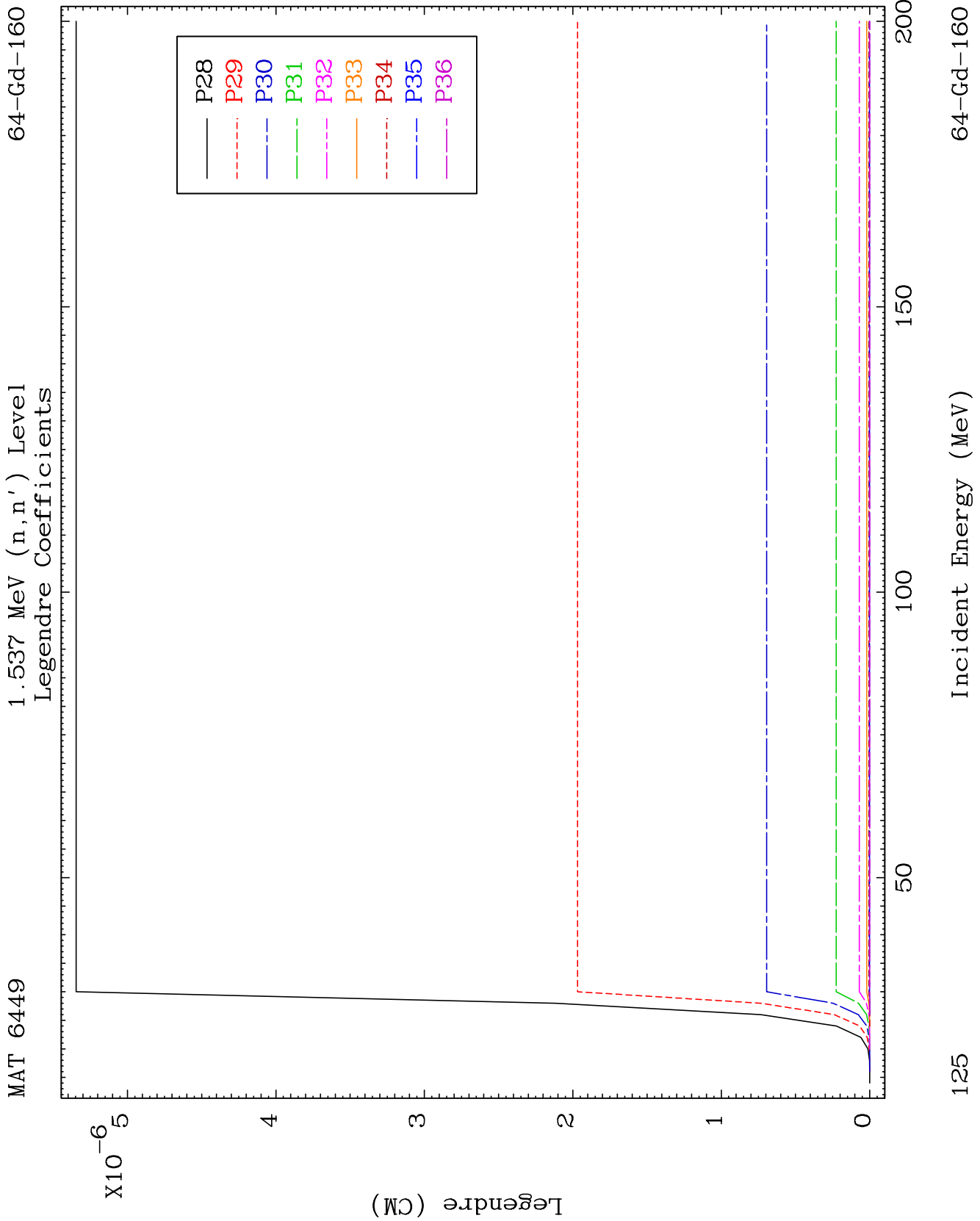
64-Gd-160



124

Incident Energy (MeV)

64-Gd-160

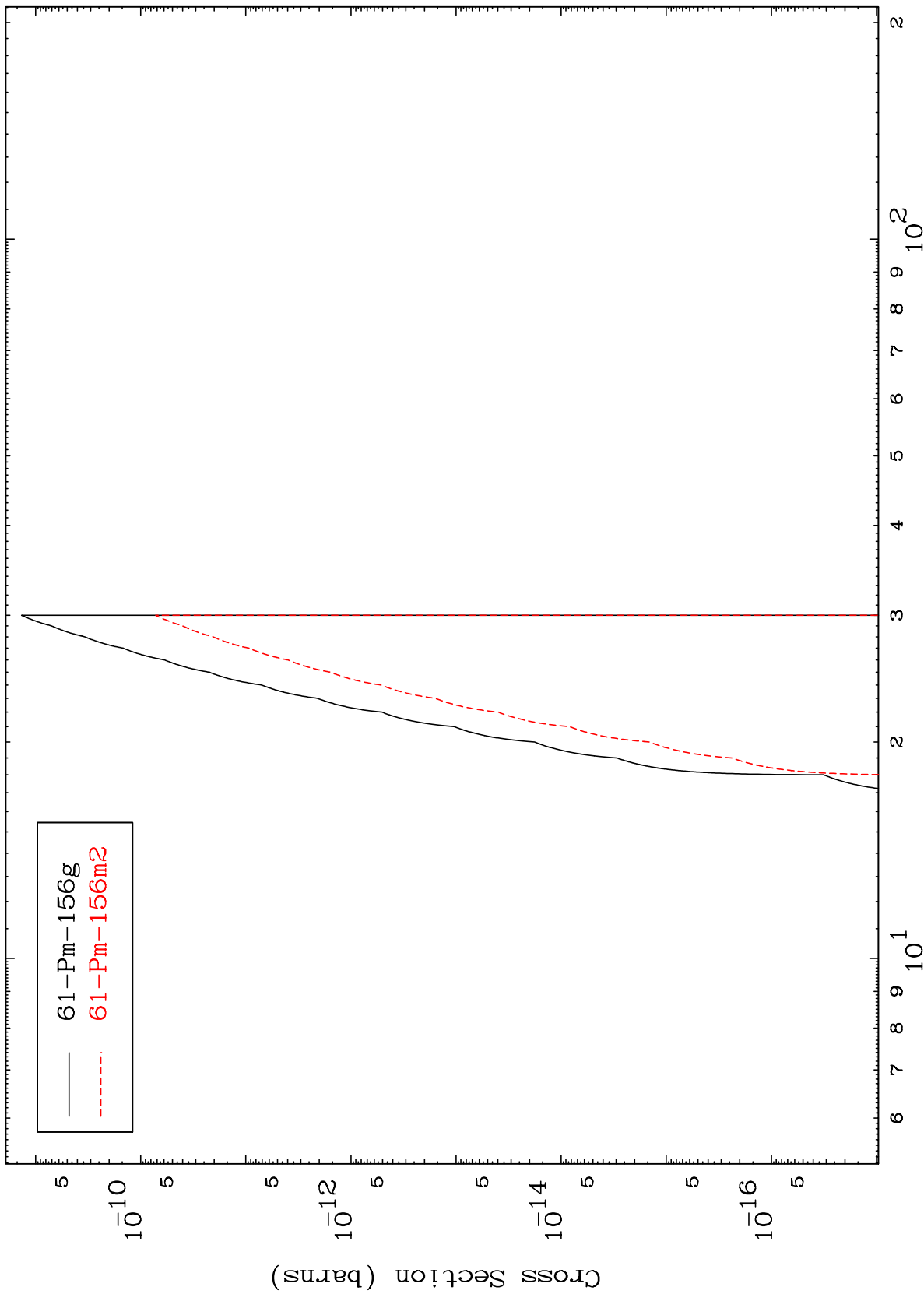


MAT 6449

(n,p) α

64-Gd-160

Radionuclide Production Cross Section



126

Incident Energy (MeV)

64-Gd-160