

Program EVALPLOT  
(Version 2015-2)

by

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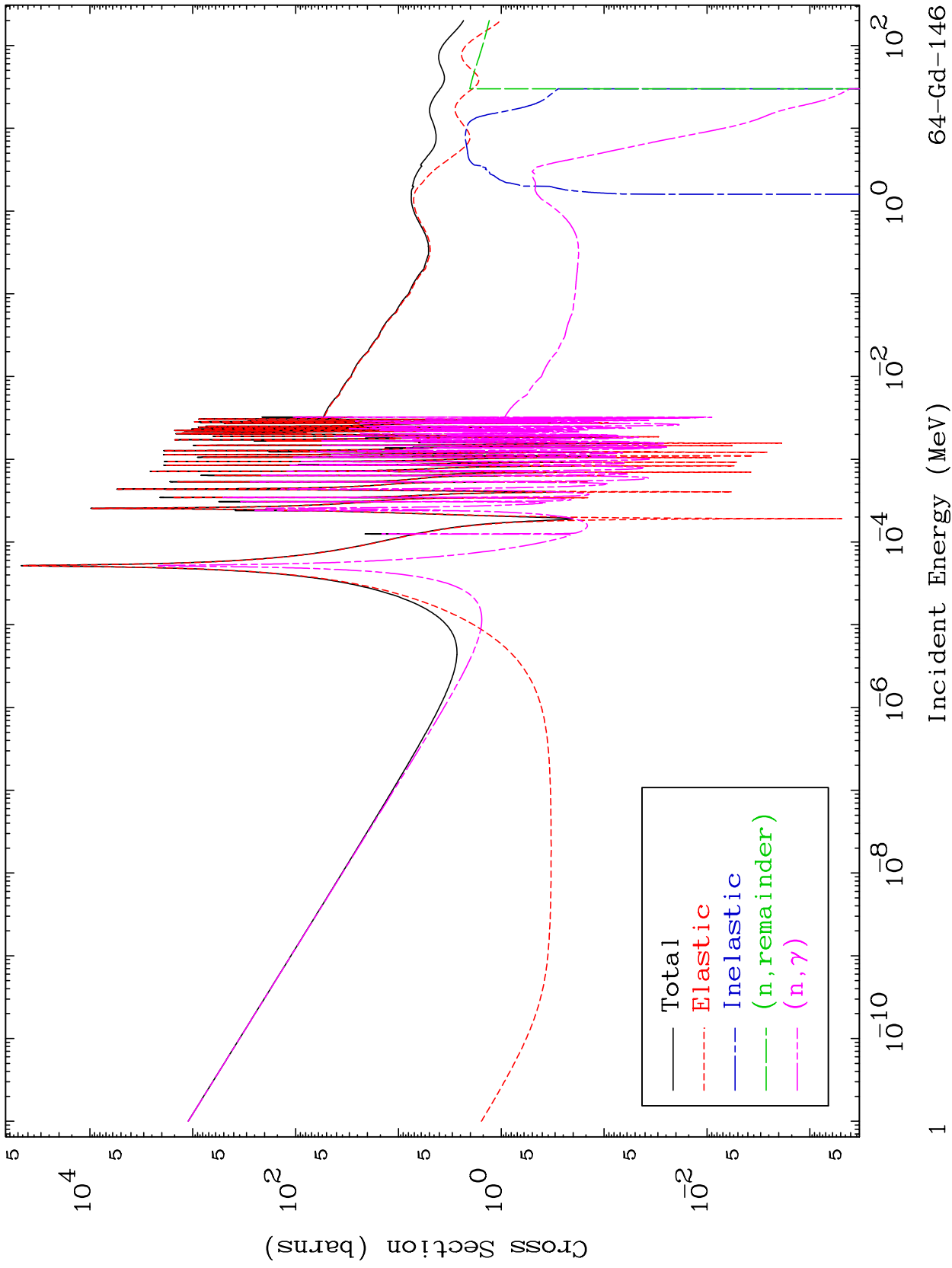
Press Mouse Button to Start

MAT 6407

Major

293 Kelvin Cross Sections

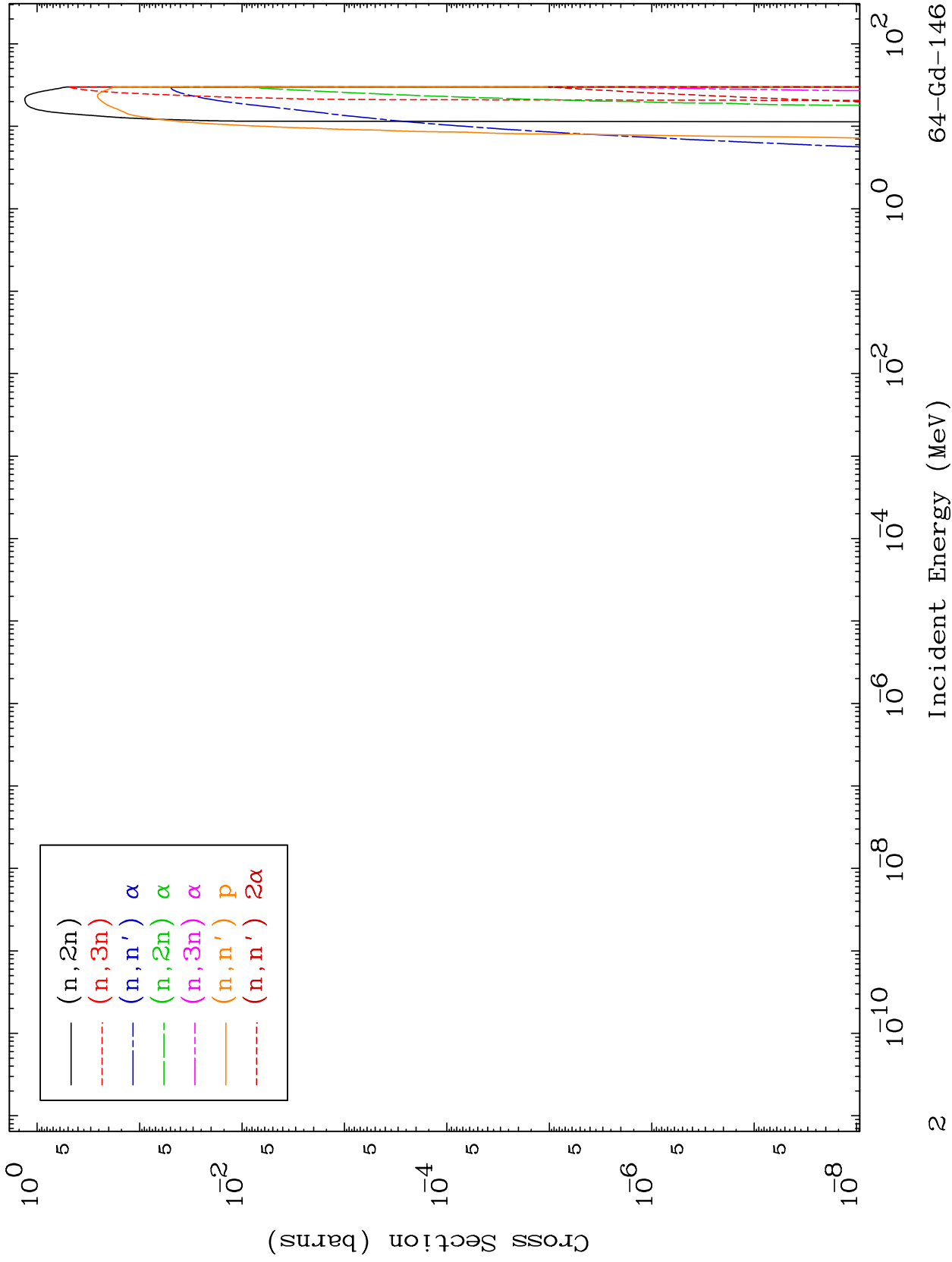
64-Gd-146

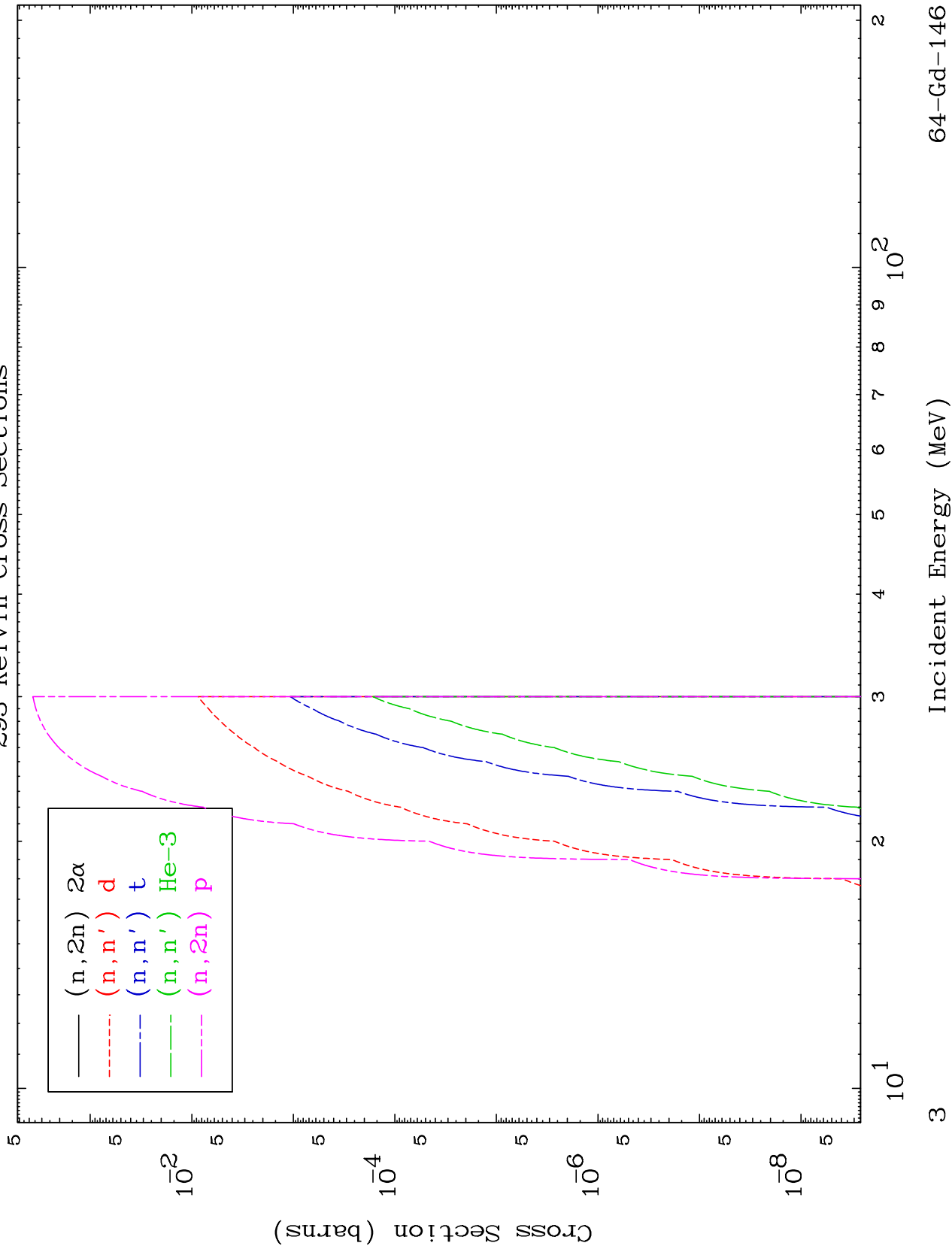


MAT 6407

Neutron Production  
293 Kelvin Cross Sections

64-Gd-146

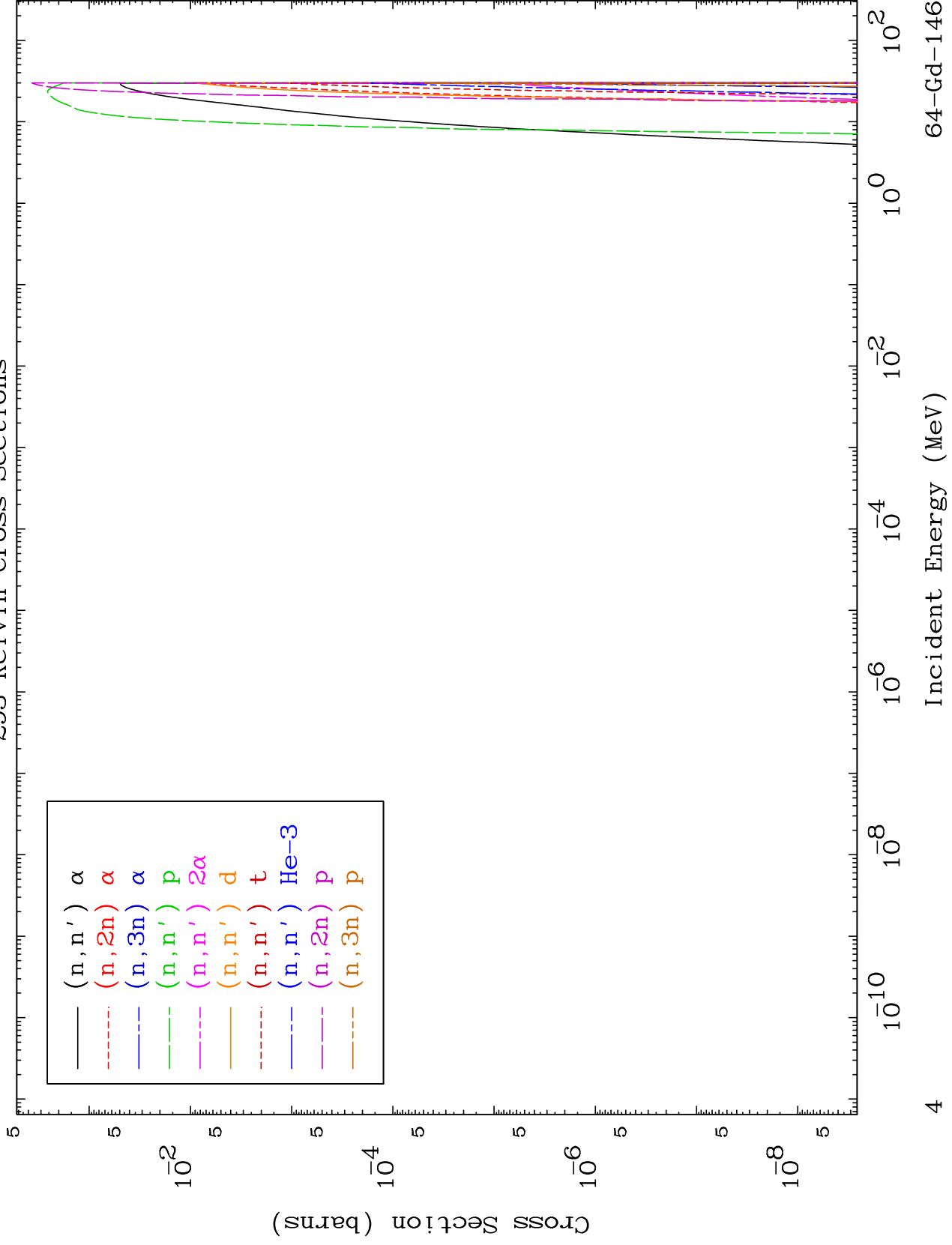




MAT 6407

Charged Particle  
293 Kelvin Cross Sections

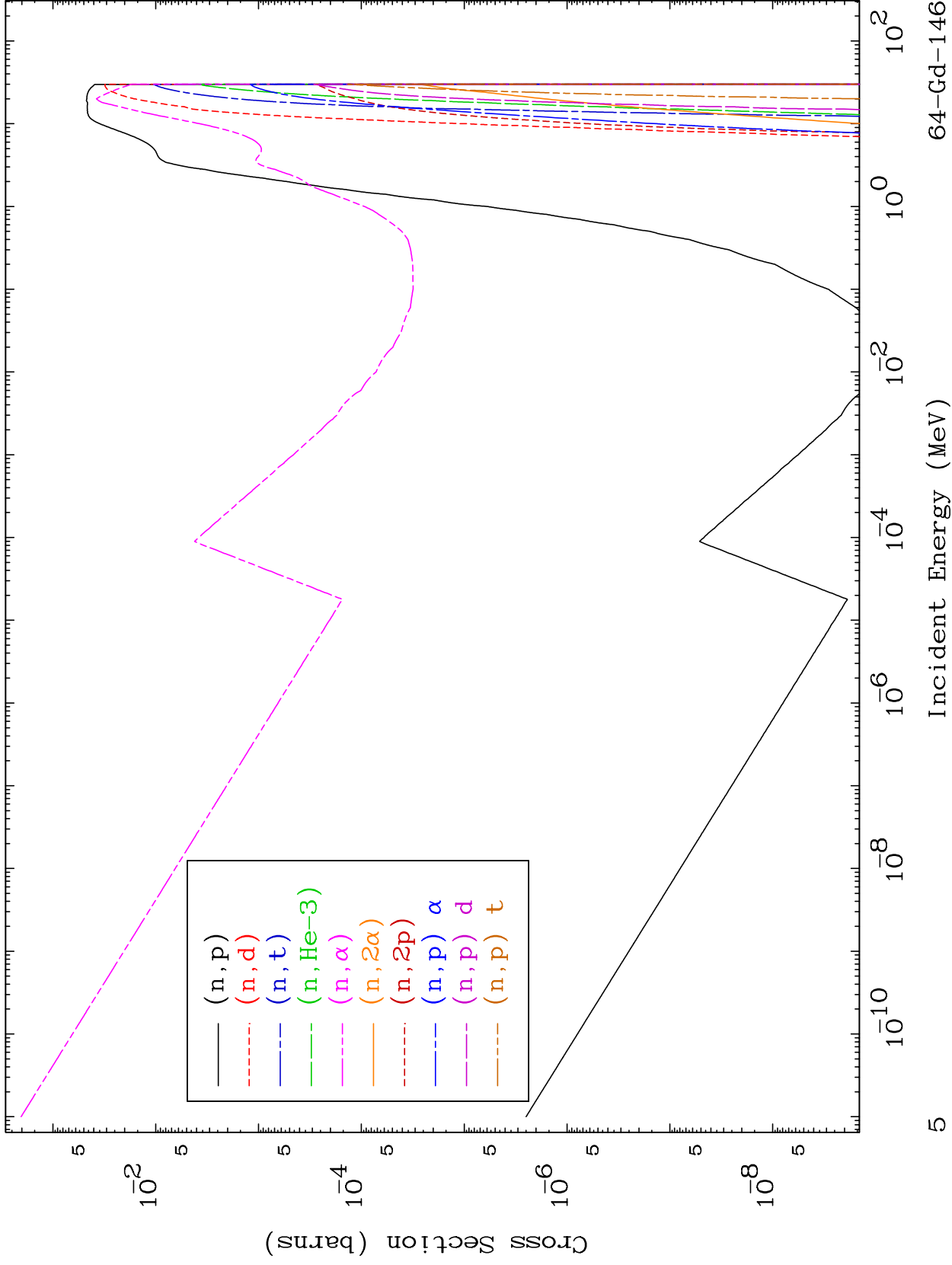
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MAT 6407

Charged Particle  
293 Kelvin Cross Sections

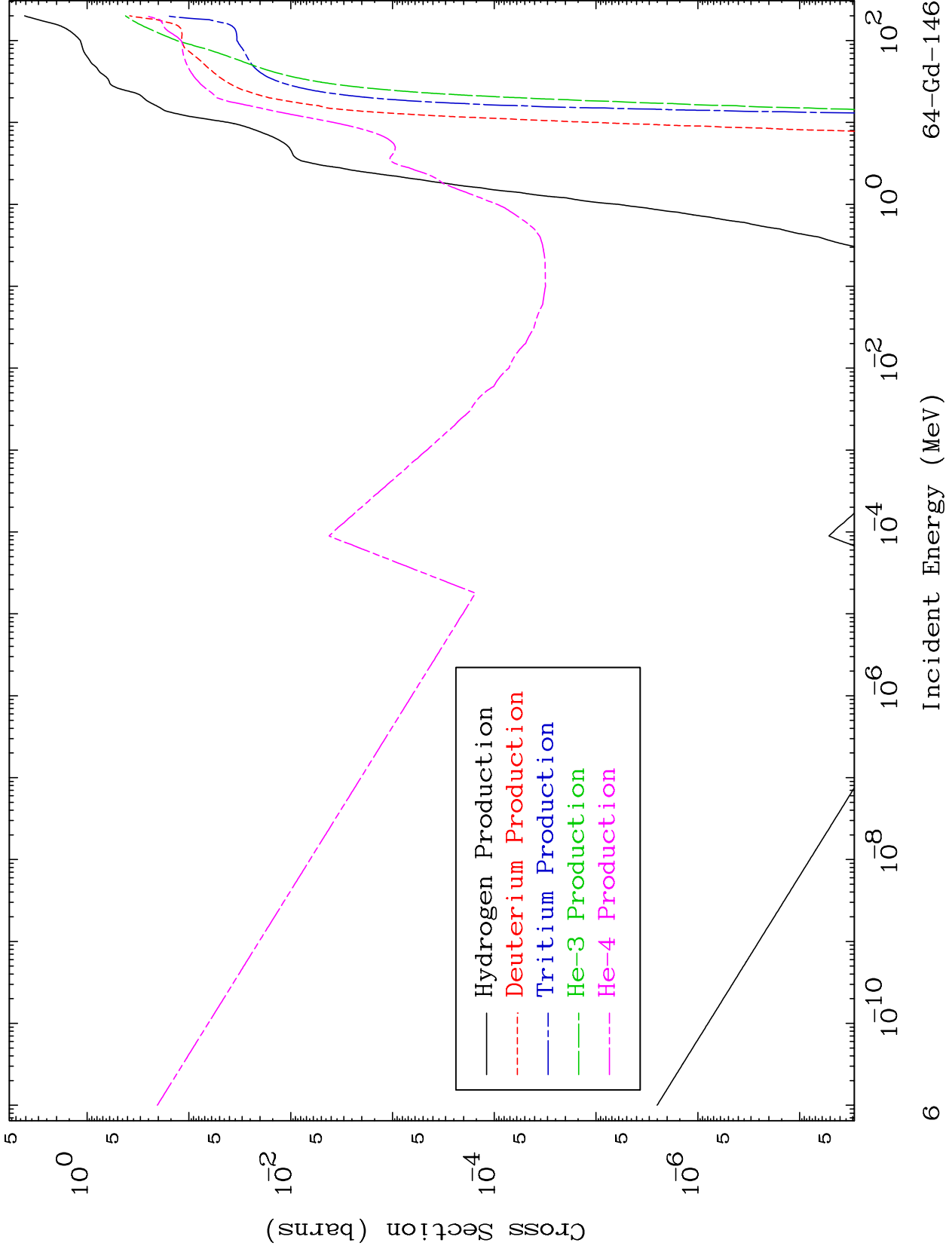
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Particle Production  
293 Kelvin Cross Sections

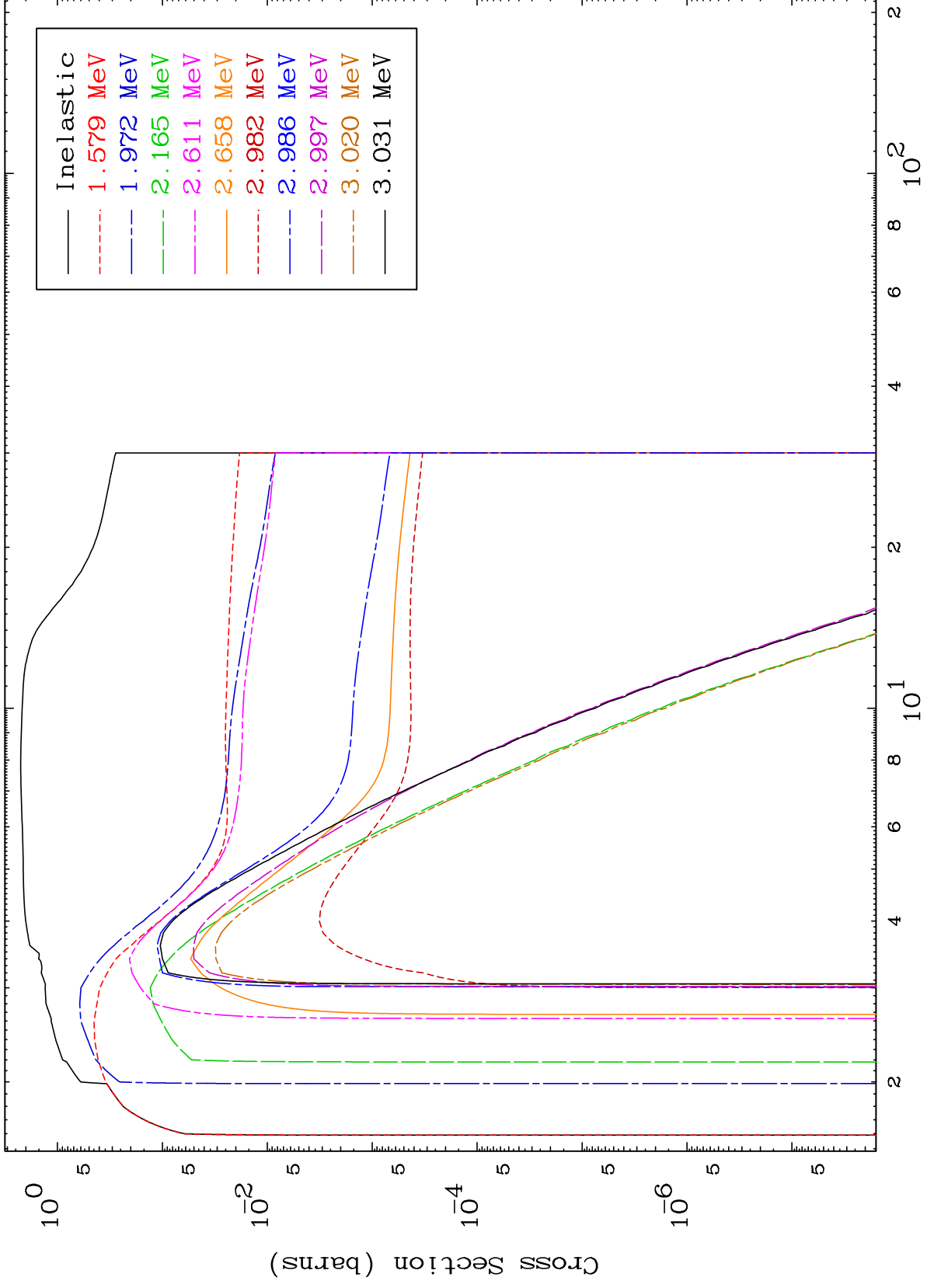
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MAT 6407

(n,n') Level  
293 Kelvin Cross Sections

64-Gd-146



7

Incident Energy (MeV)

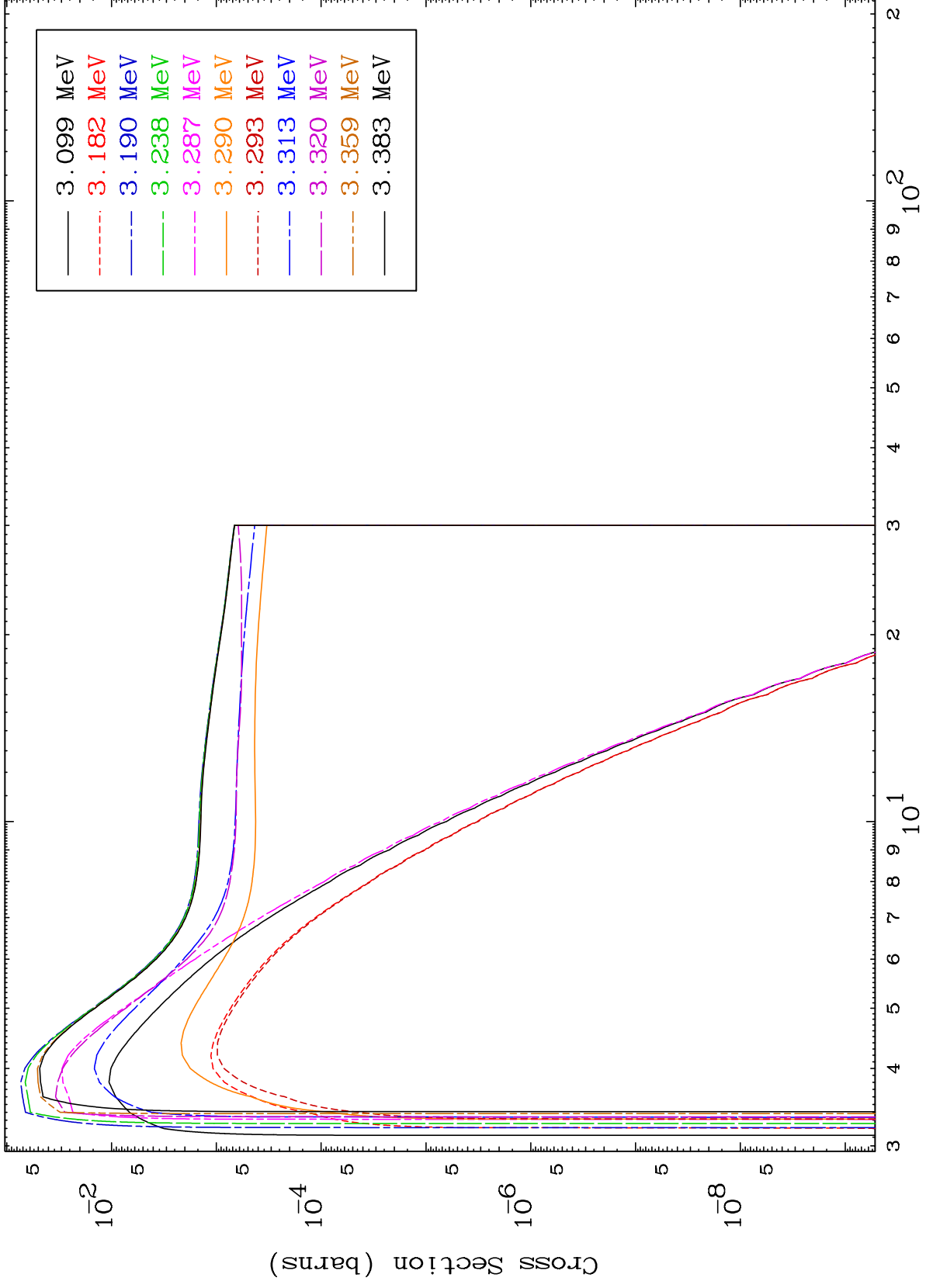
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MAT 6407

(n,n') Level  
293 Kelvin Cross Sections

64-Gd-146



8

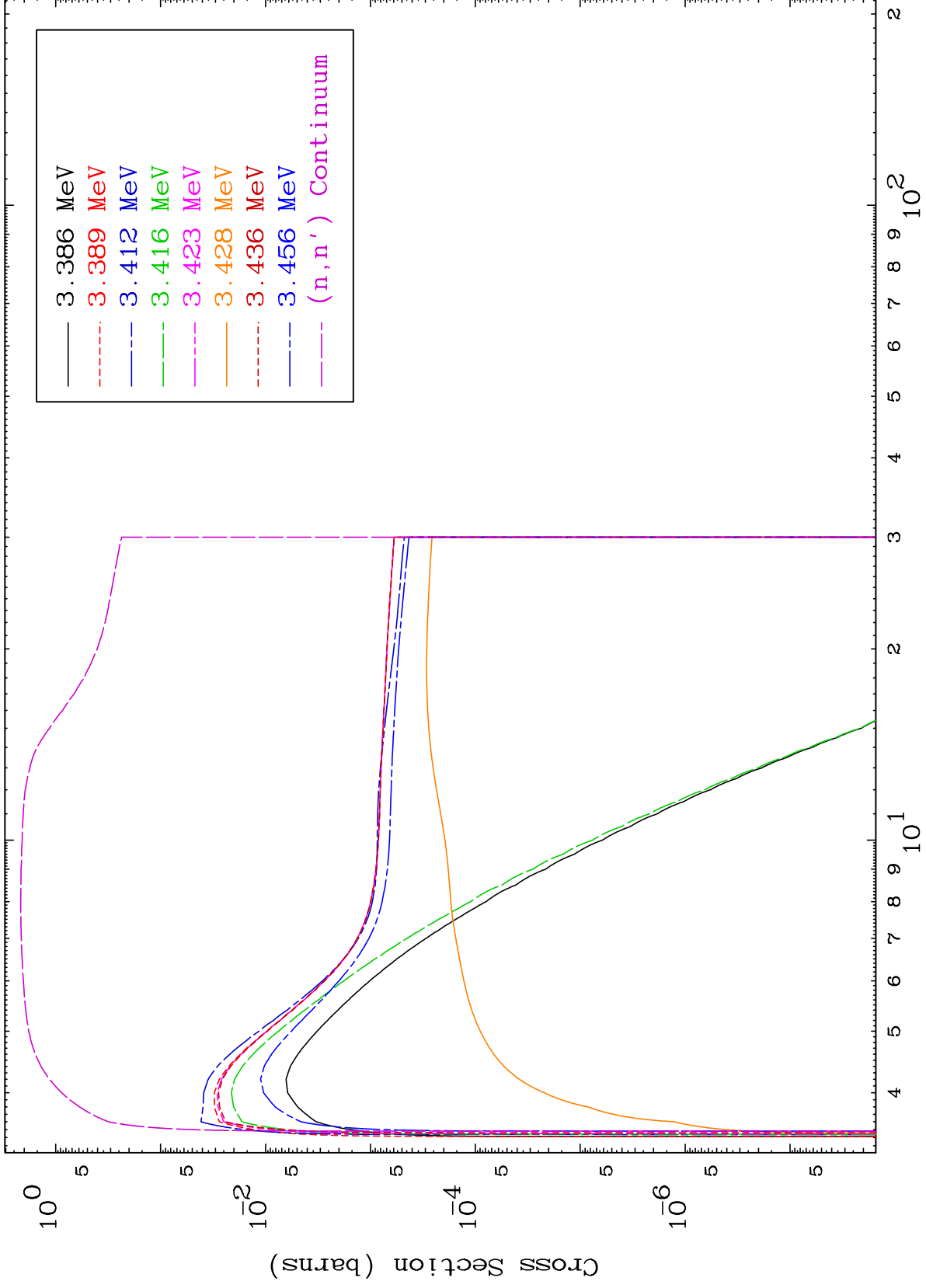
Incident Energy (MeV)

64-Gd-146

MAT 6407

(n,n') Level  
293 Kelvin Cross Sections

64-Gd-146



9

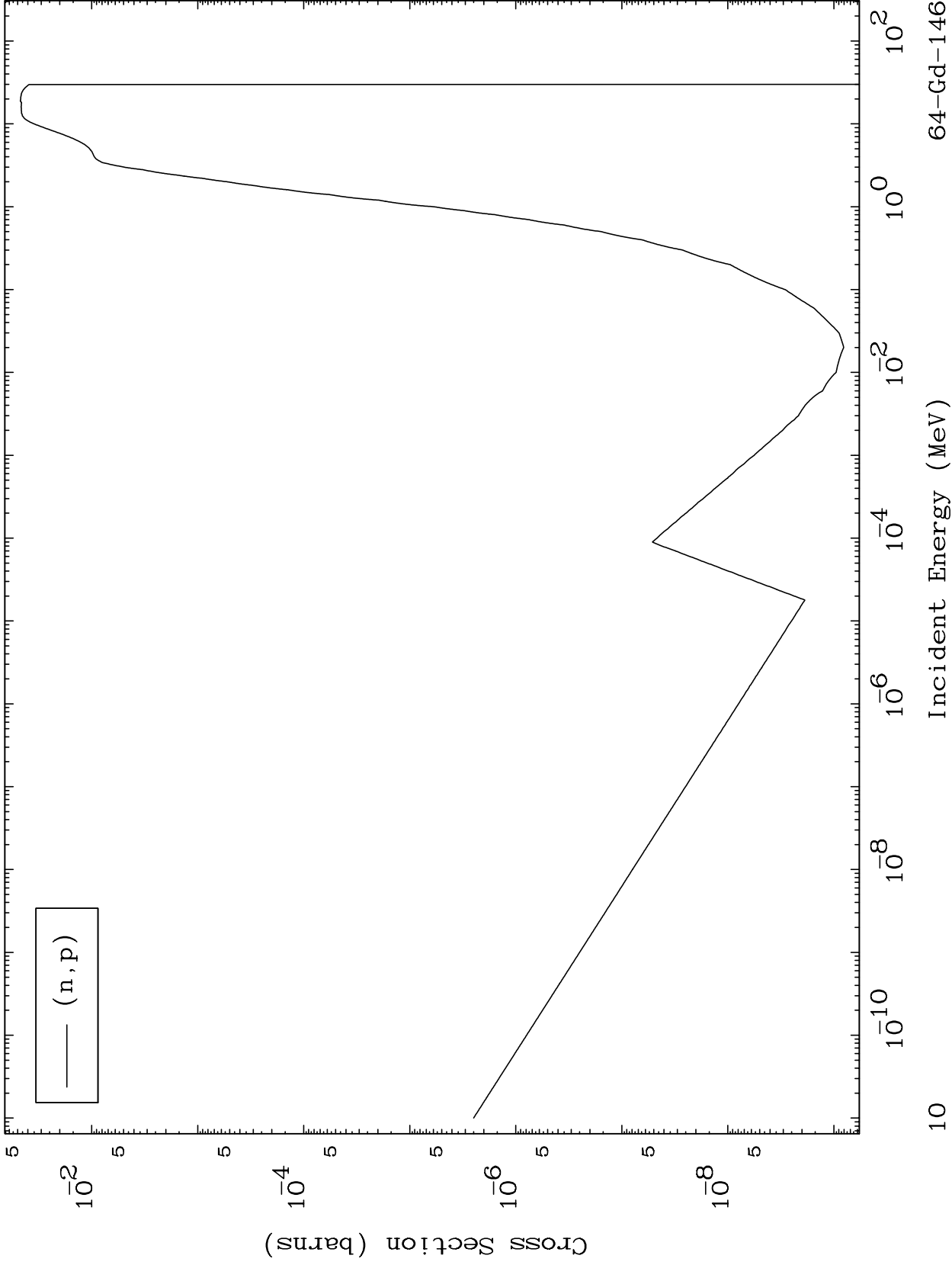
Incident Energy (MeV)

64-Gd-146

MAT 6407

(n,p) Levels  
293 Kelvin Cross Sections

64-Gd-146



10

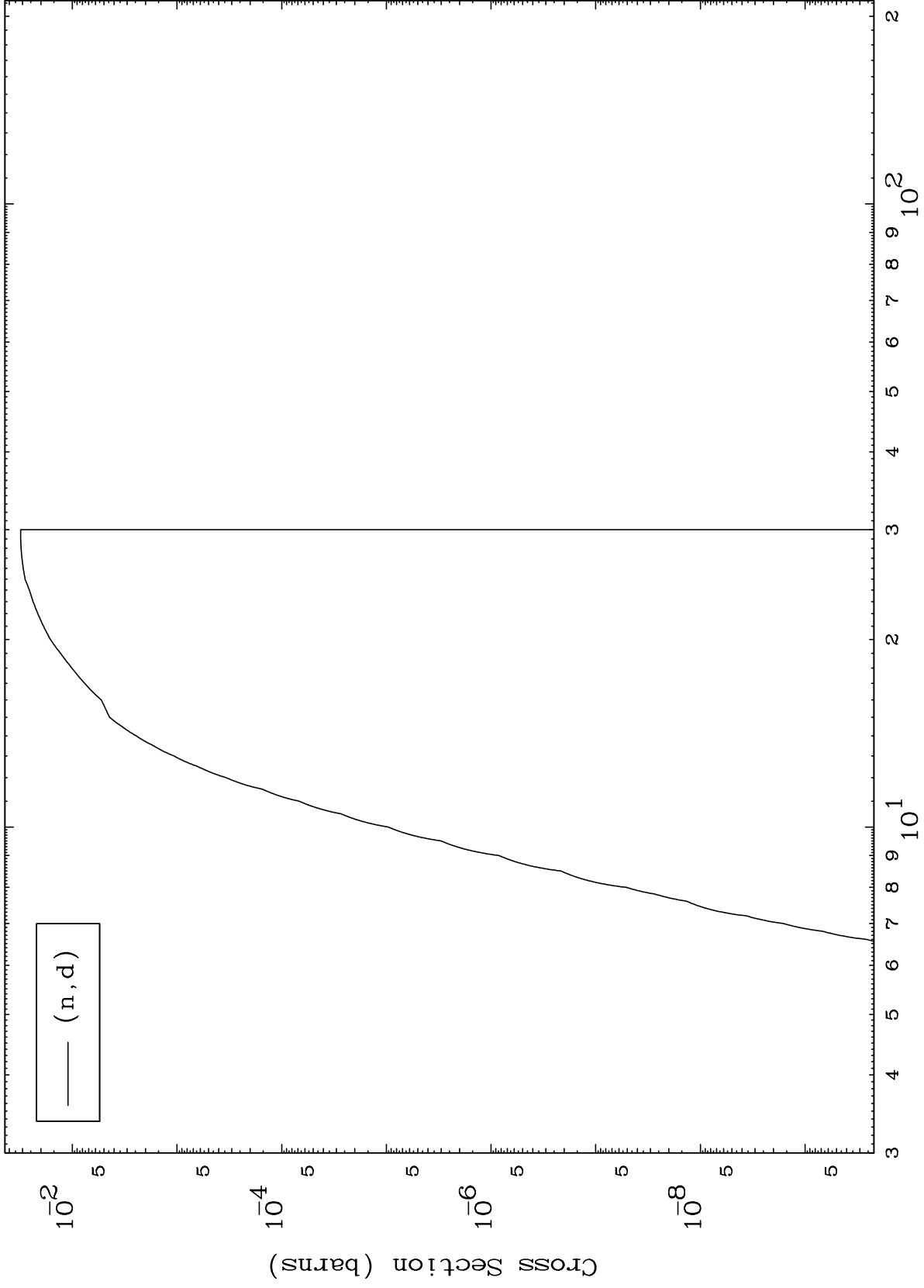
Incident Energy (MeV)

64-Gd-146

MAT 6407

(n,d) Levels  
293 Kelvin Cross Sections

64-Gd-146



11

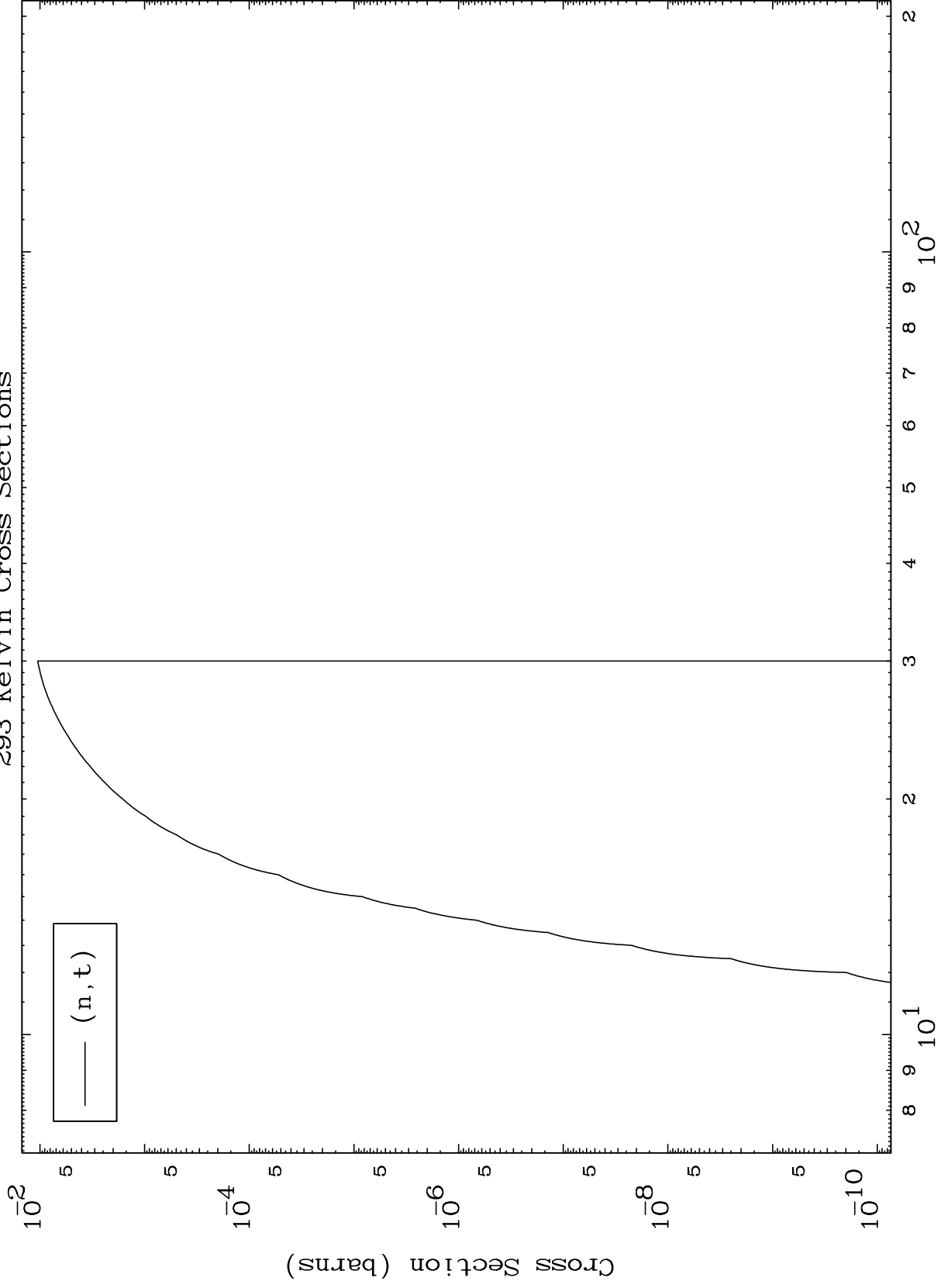
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64-Gd-146

MAT 6407

(n,t) Levels  
293 Kelvin Cross Sections

64-Gd-146



12

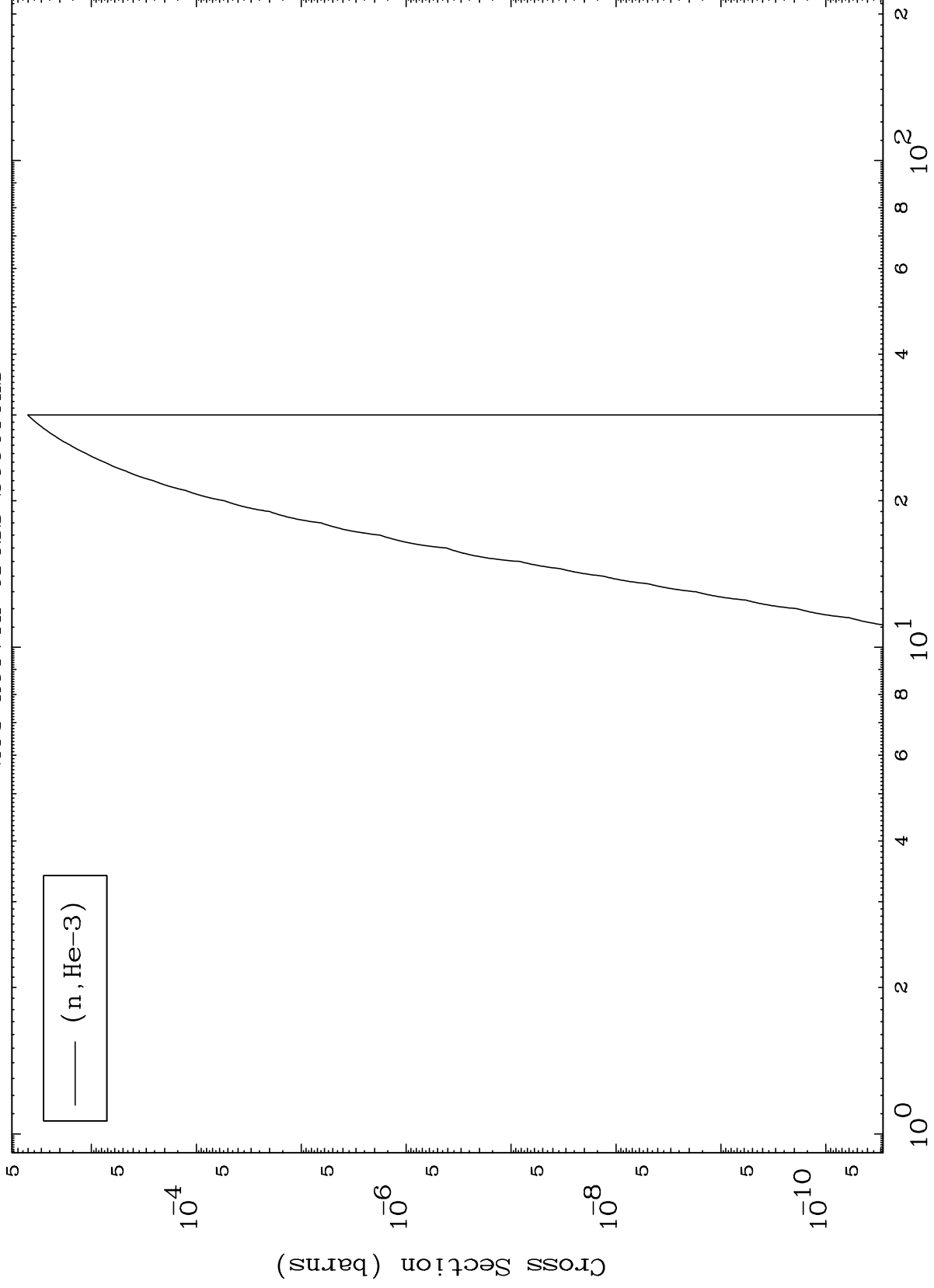
Incident Energy (MeV)

64-Gd-146

MAT 6407

(n,He3) Levels  
293 Kelvin Cross Sections

64-Gd-146



13

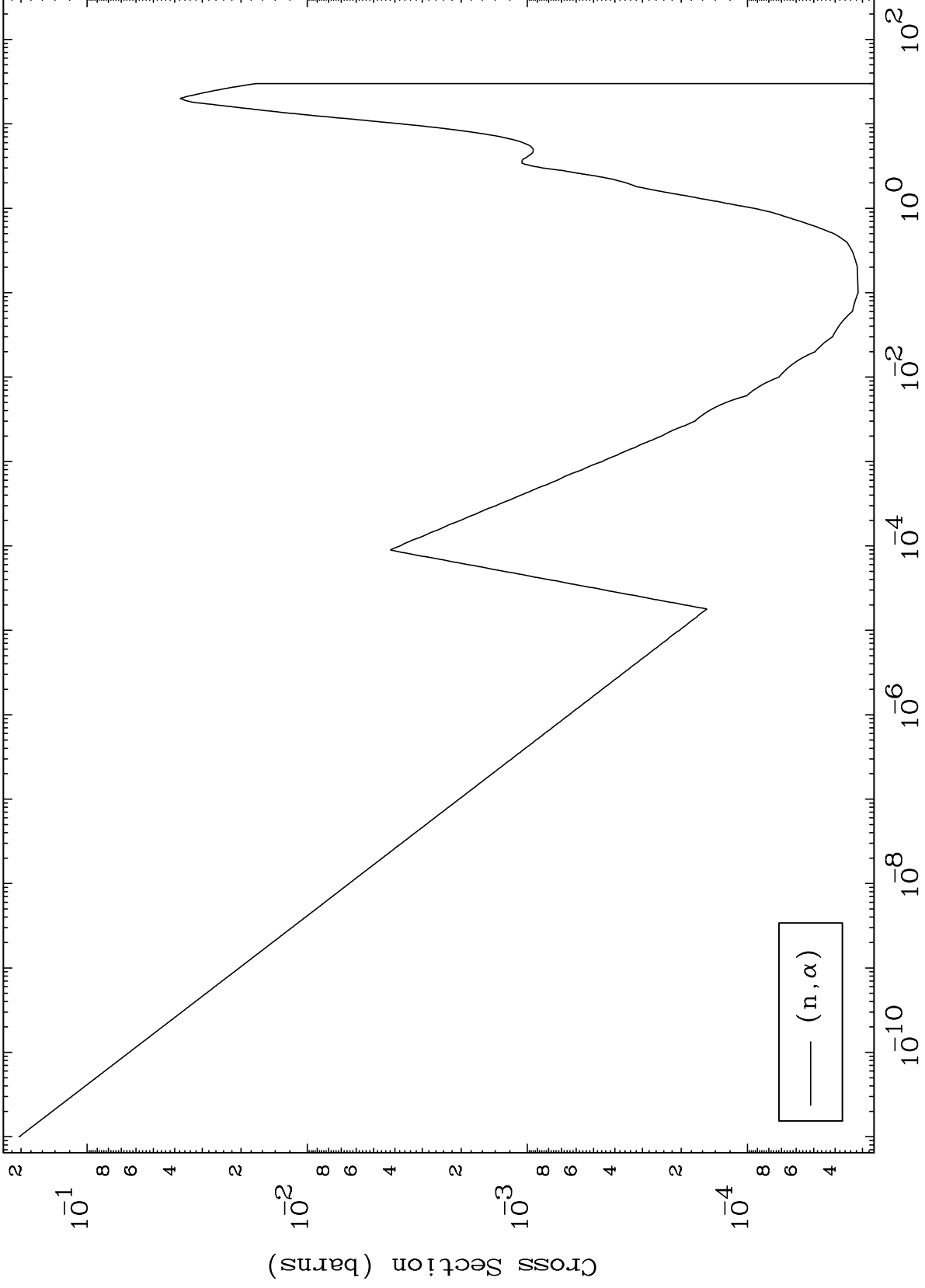
Incident Energy (MeV)

64-Gd-146

MAT 6407

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

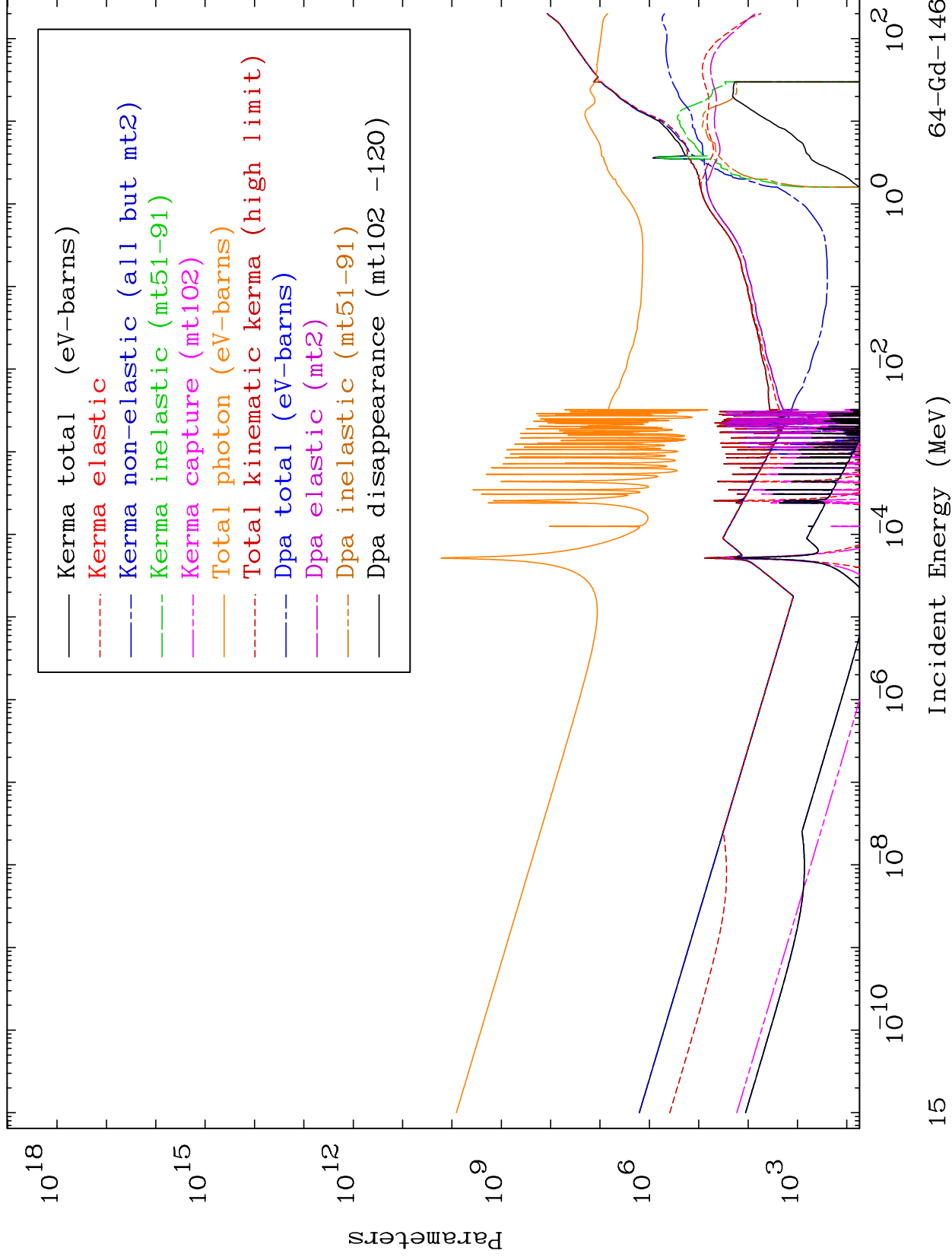
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14

Incident Energy (MeV)

64-Gd-146

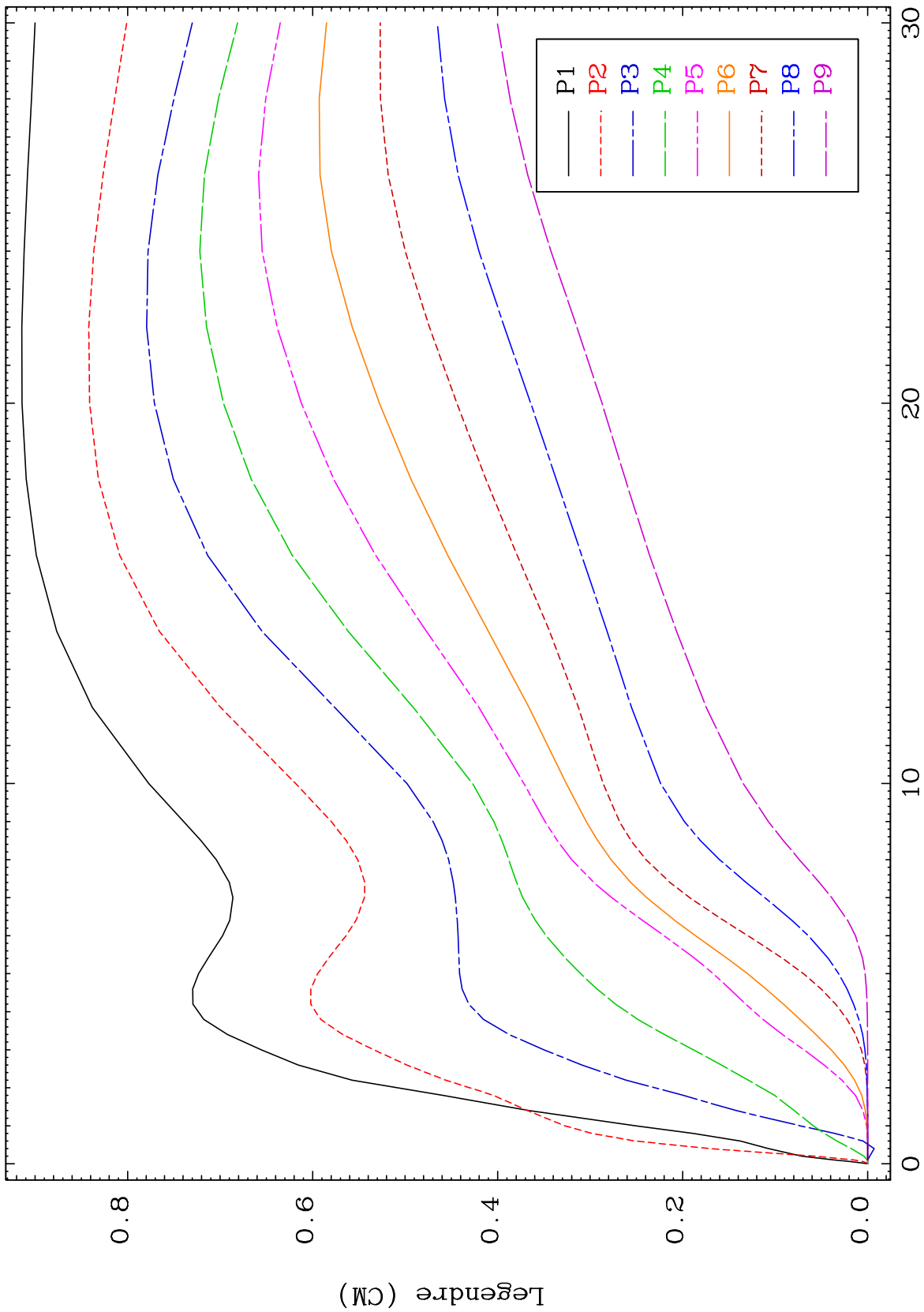




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Elastic Legendre Coefficients

64-Gd-146



16

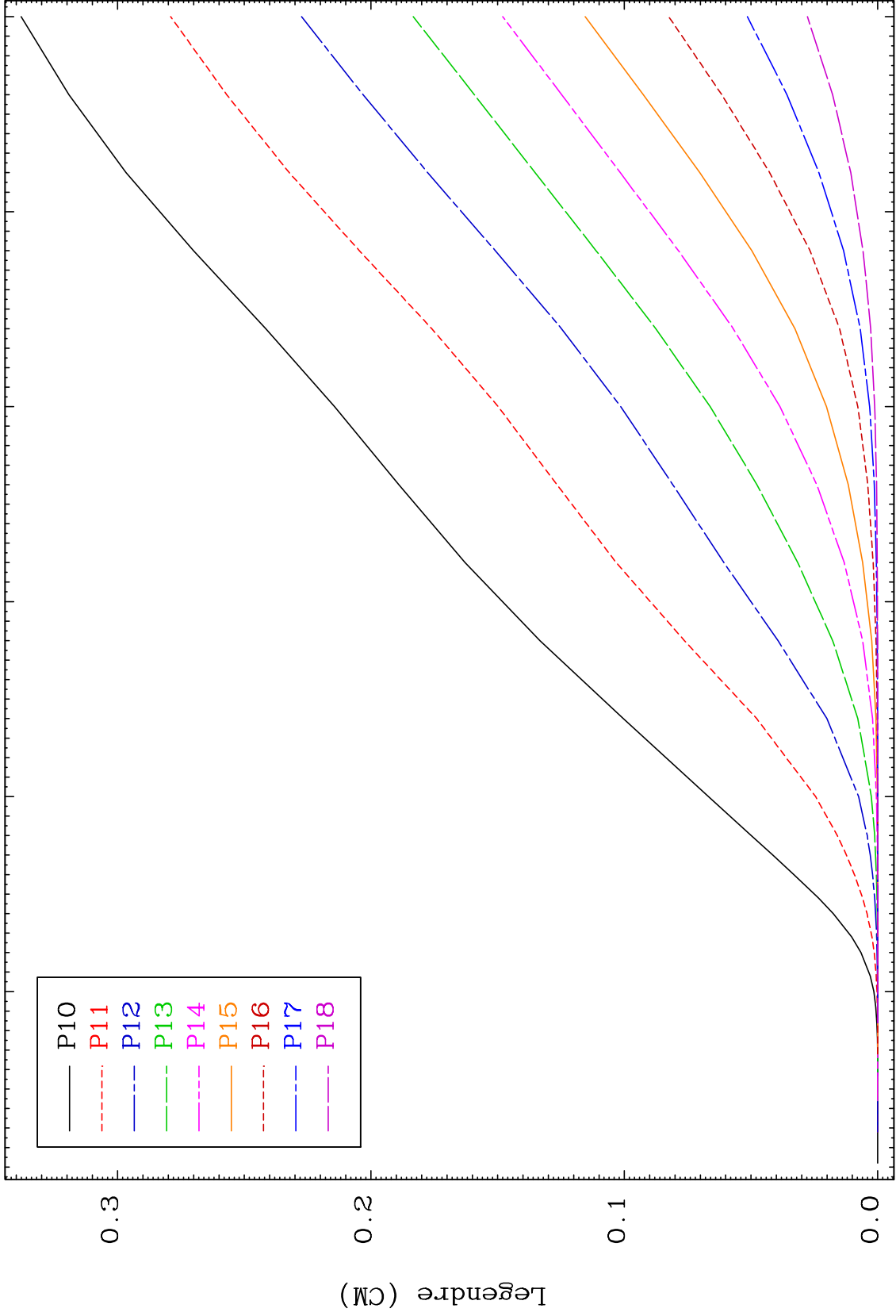
Incident Energy (MeV)

64-Gd-146

MAT 6407

Elastic Legendre Coefficients

64-Gd-146



17

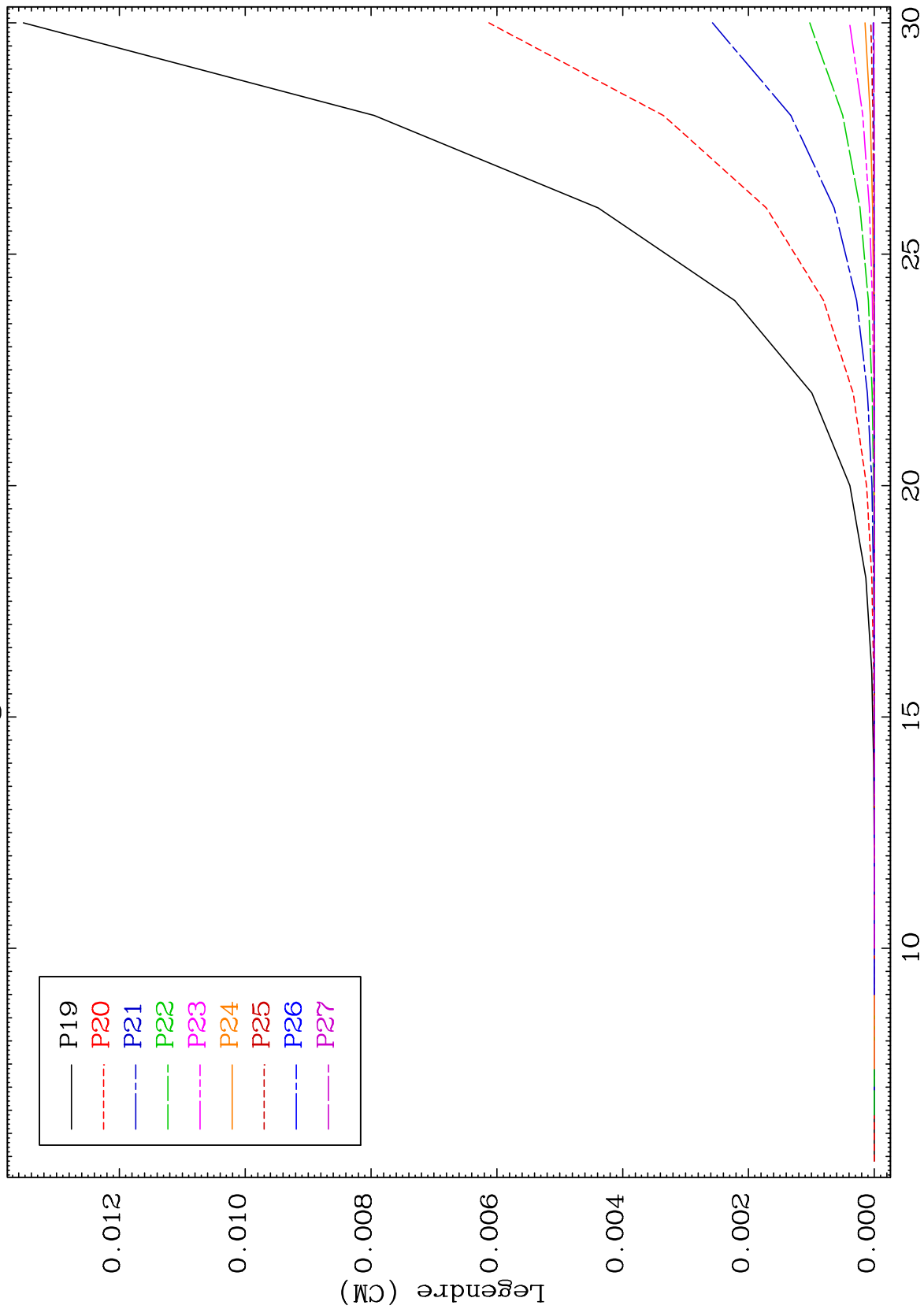
Incident Energy (MeV)

64-Gd-146

MAT 6407

### Elastic Legendre Coefficients

64-Gd-146



18

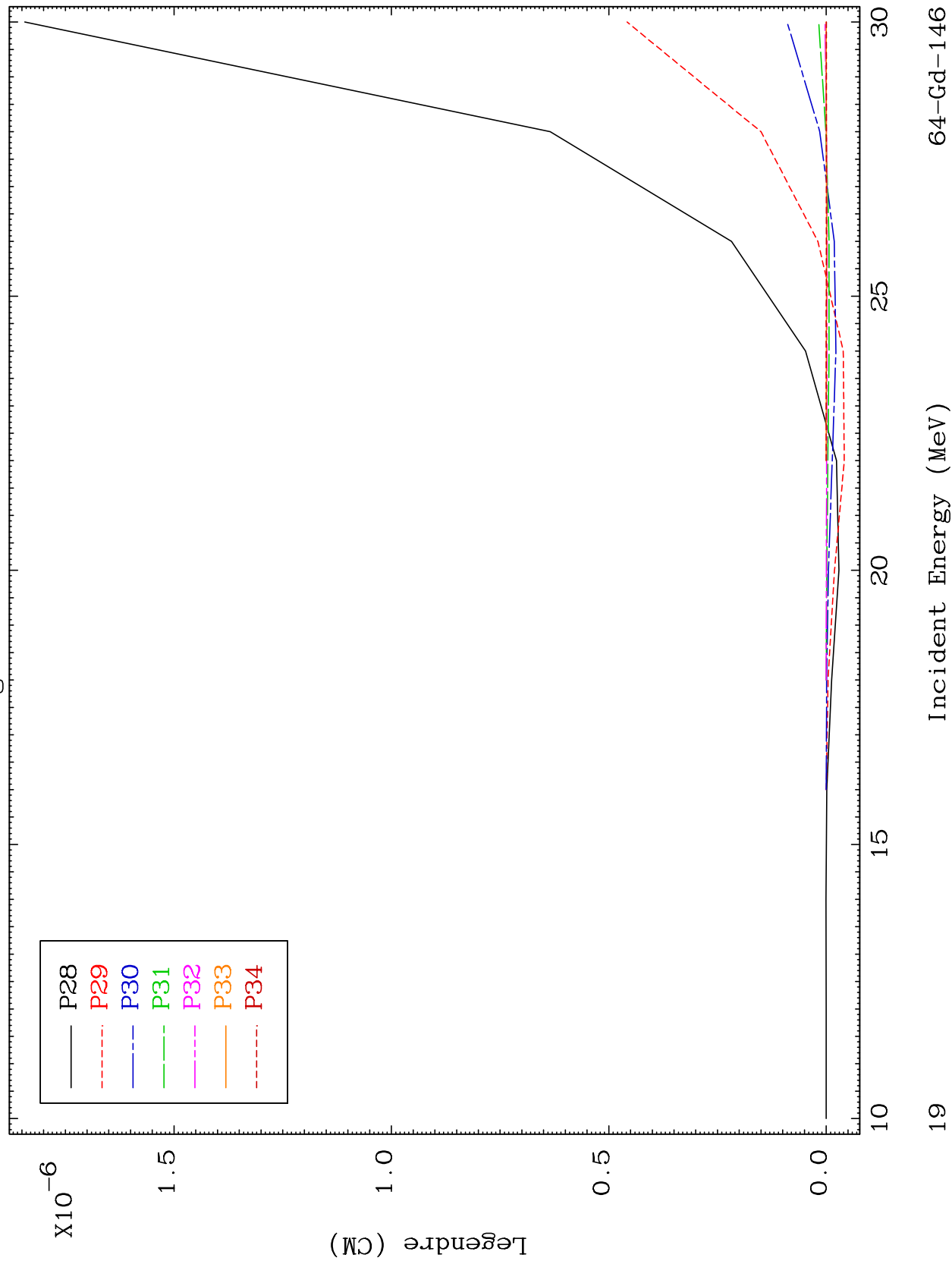
Incident Energy (MeV)

64-Gd-146

MAT 6407

Elastic Legendre Coefficients

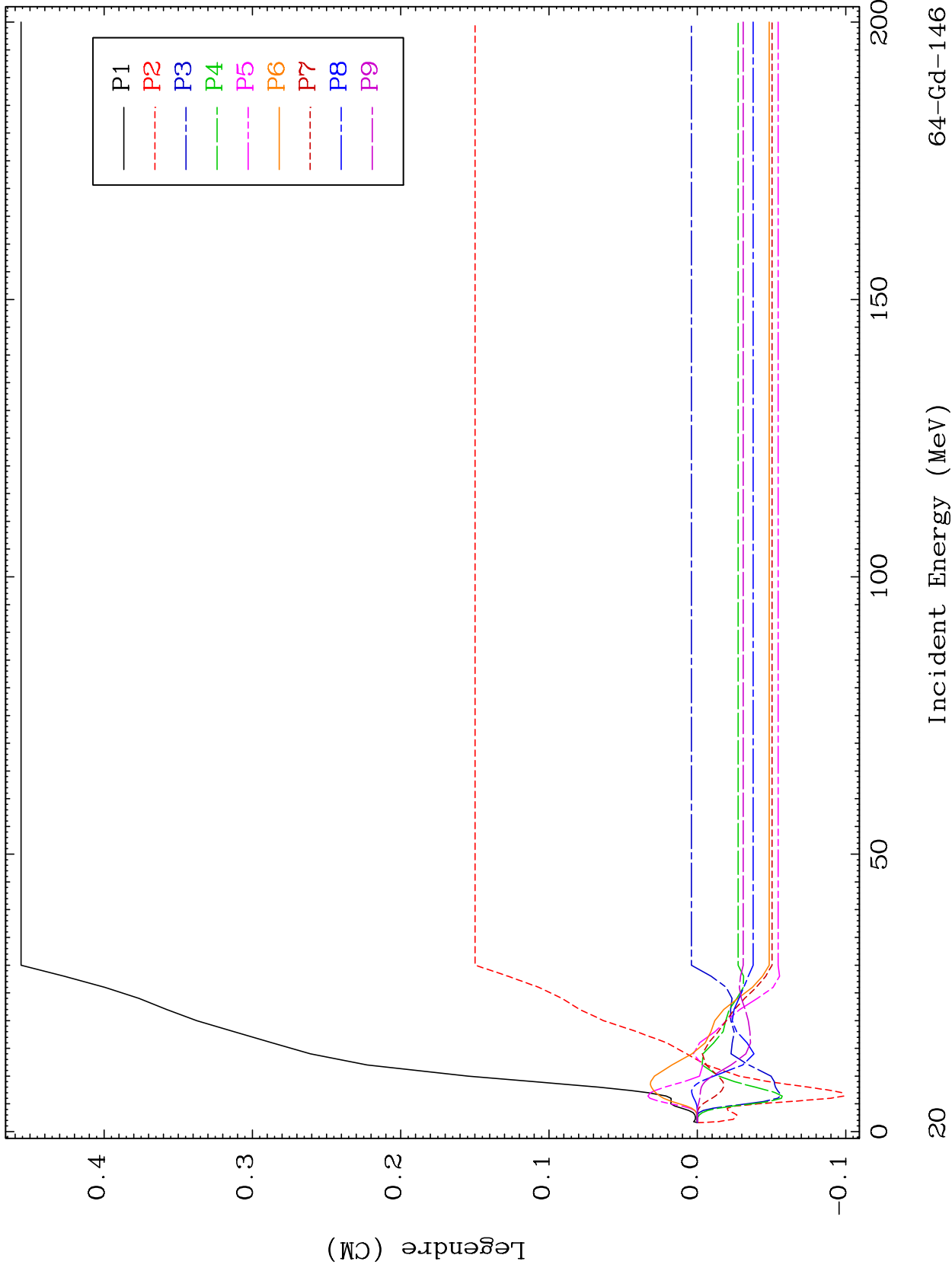
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MAT 6407

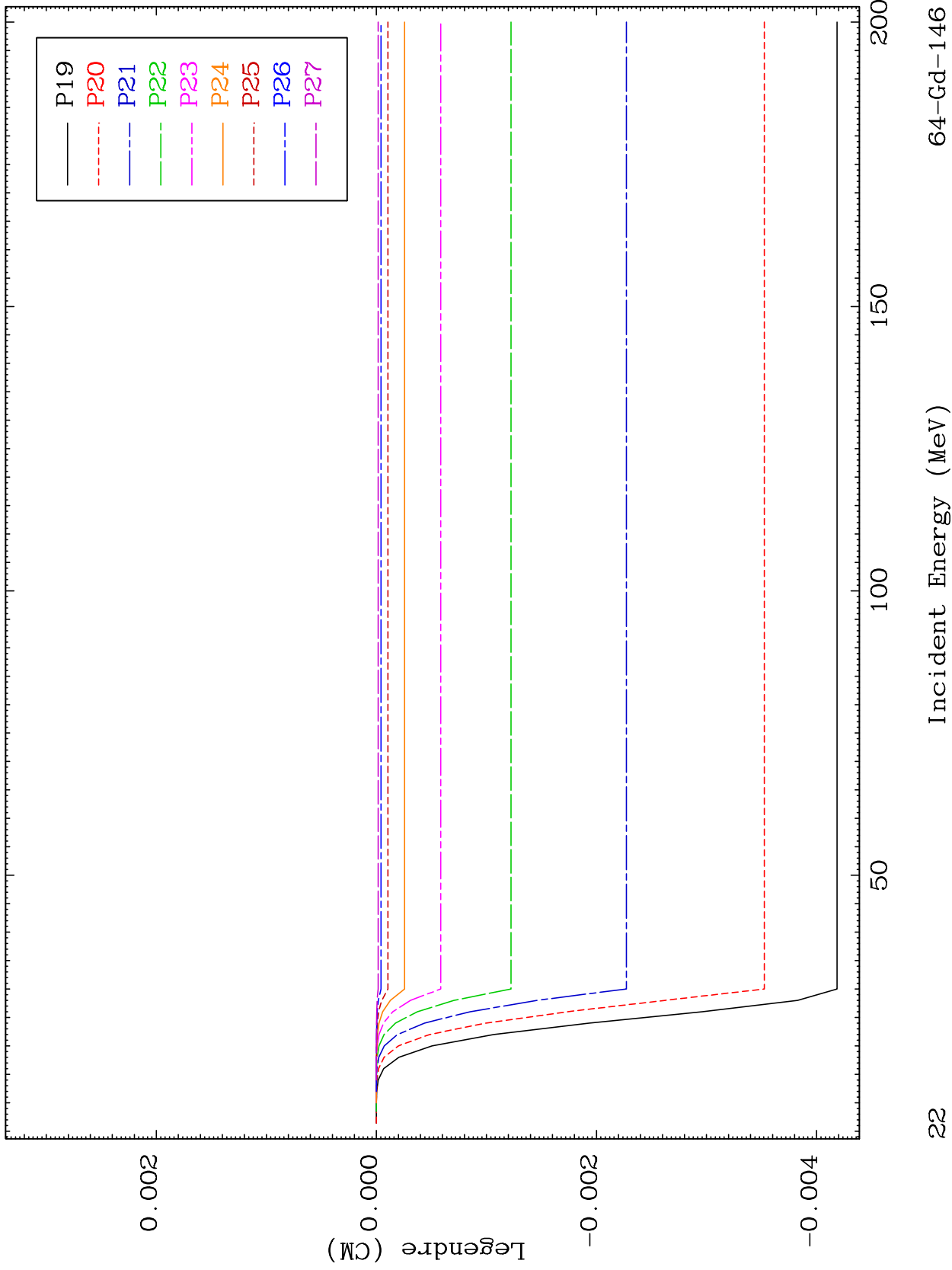
1.579 MeV (n, n') Level  
Legendre Coefficients

64-Gd-146



64-Gd-146

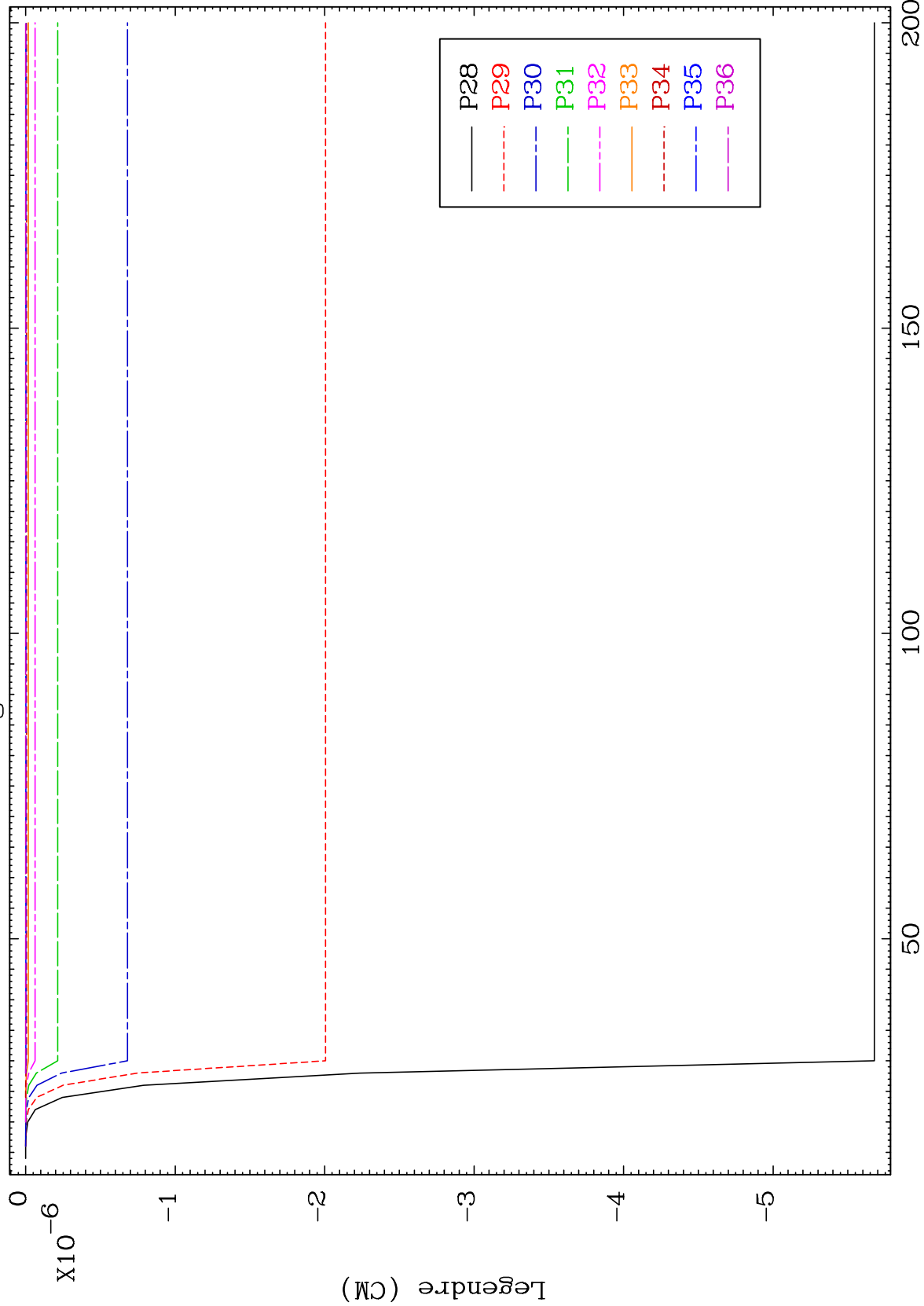




MAT 6407

1.579 MeV (n,n') Level  
Legendre Coefficients

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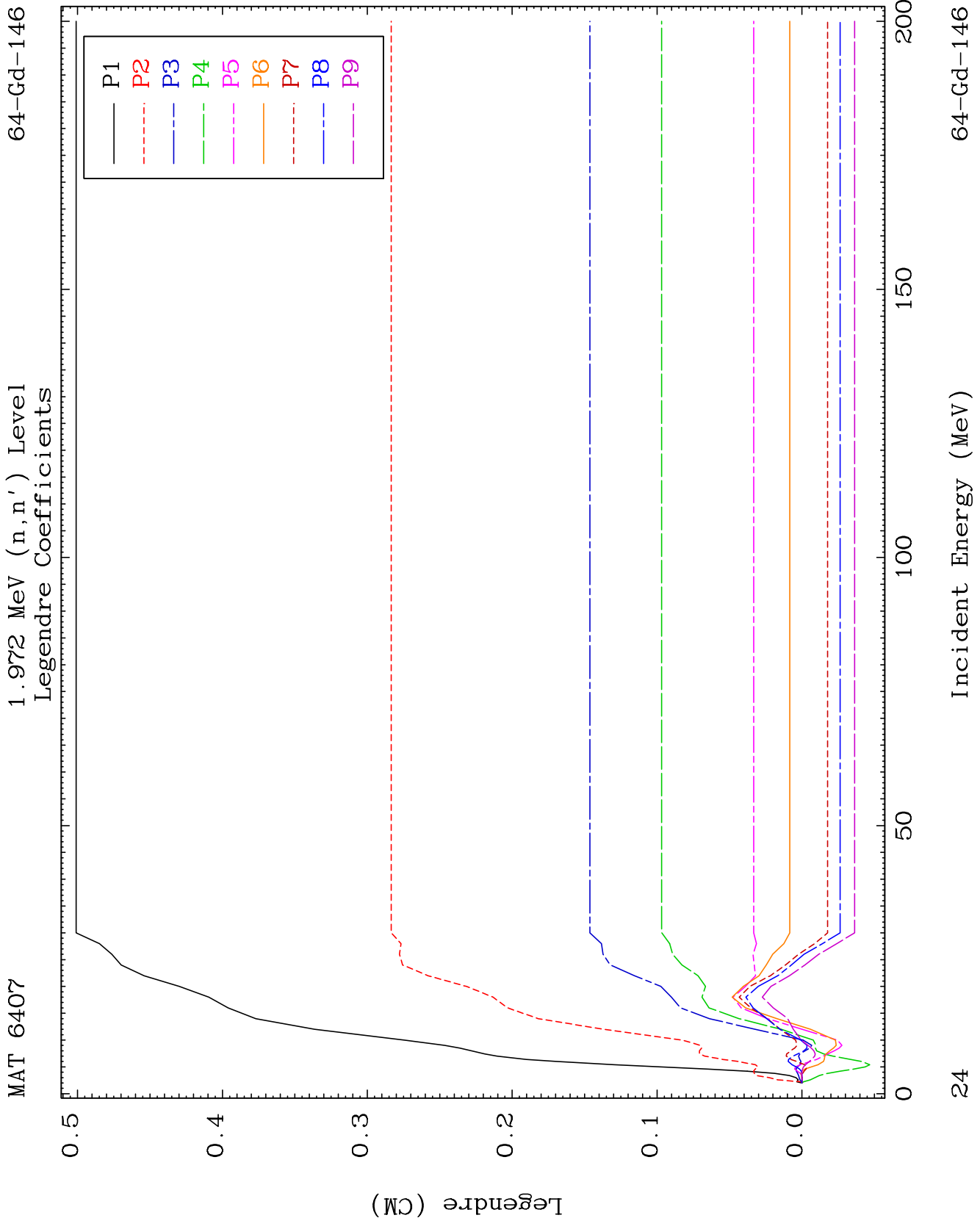


23

Incident Energy (MeV)

64-Gd-146

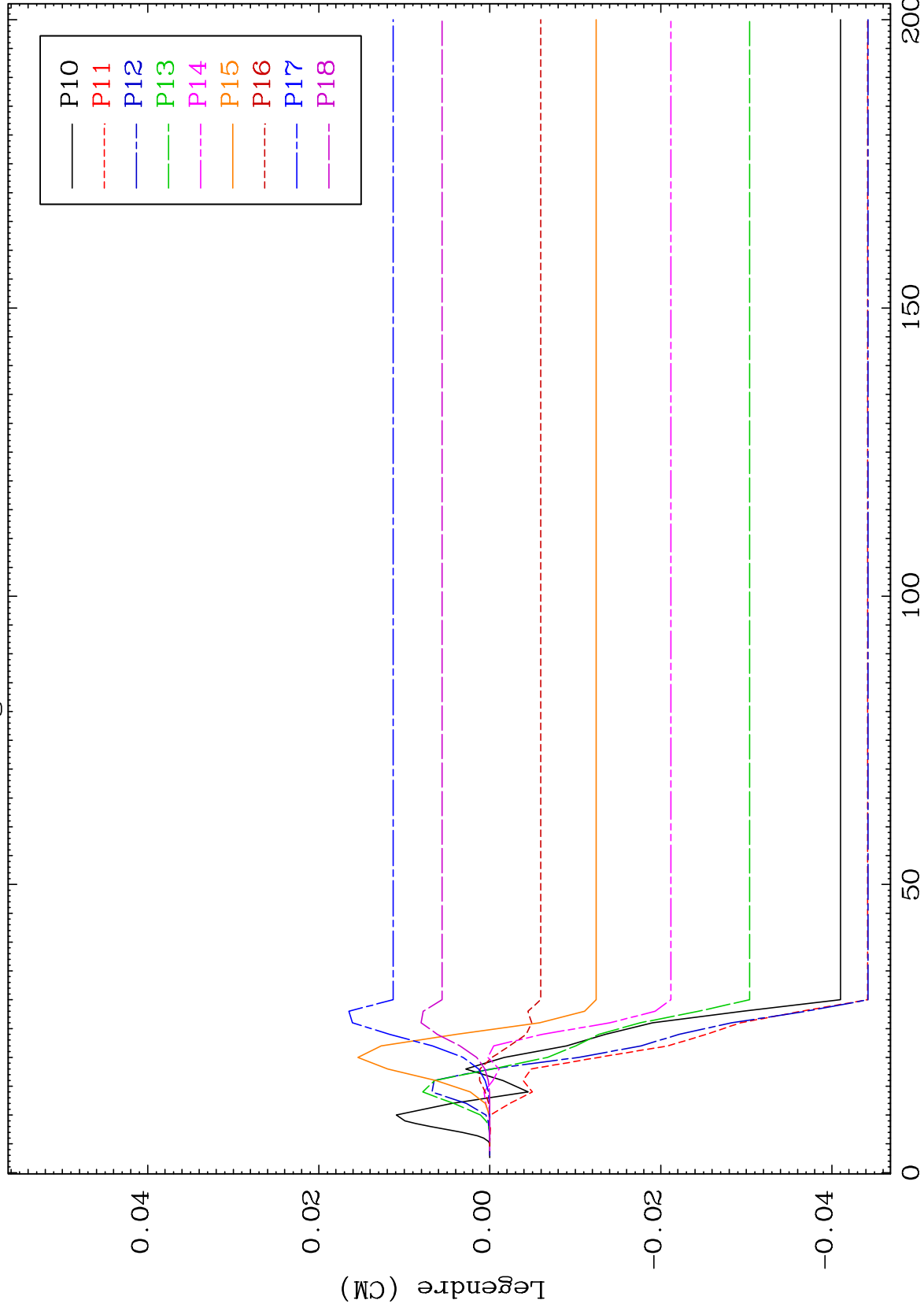




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1.972 MeV (n,n') Level  
Legendre Coefficients

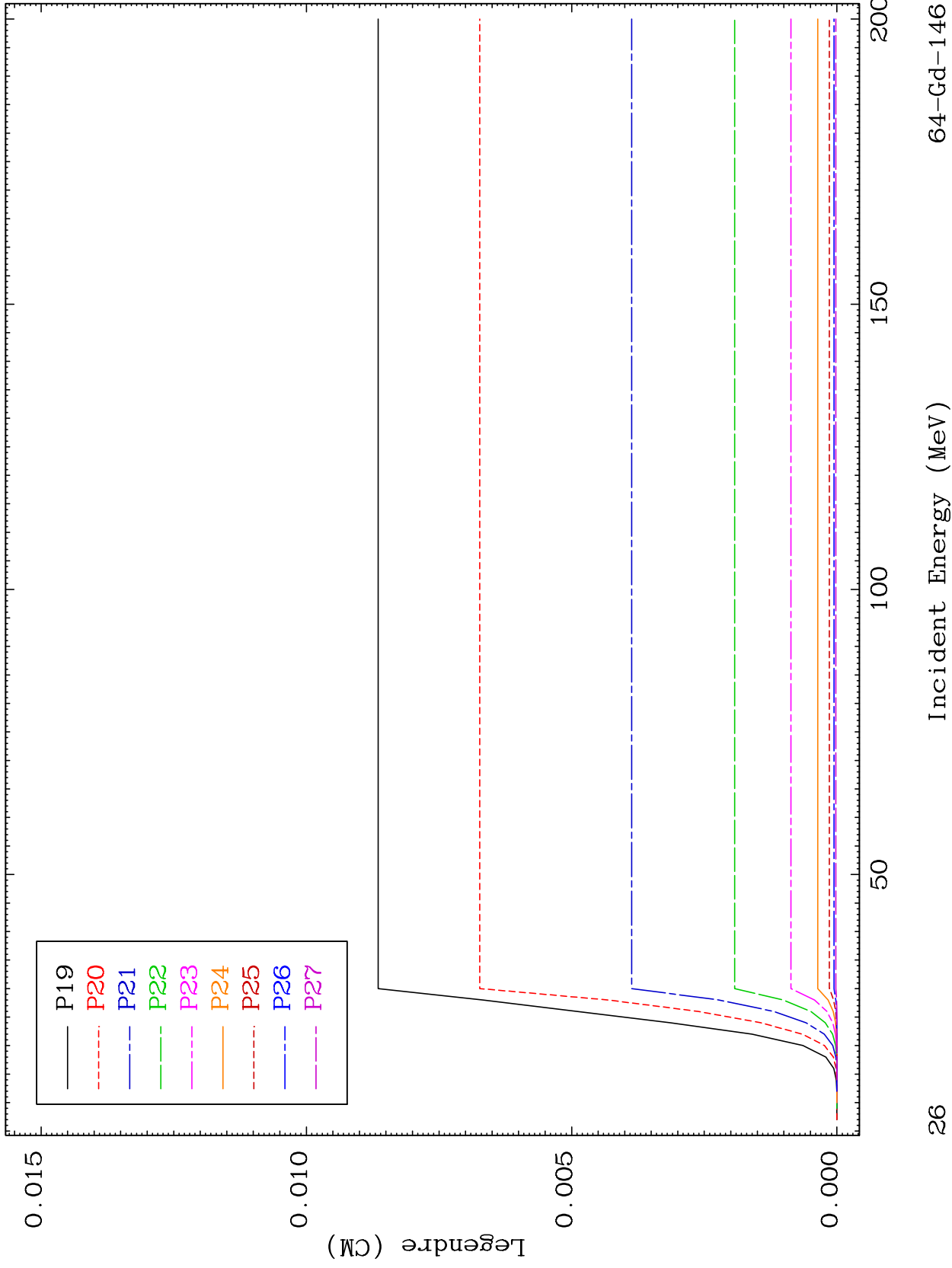
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25

Incident Energy (MeV)

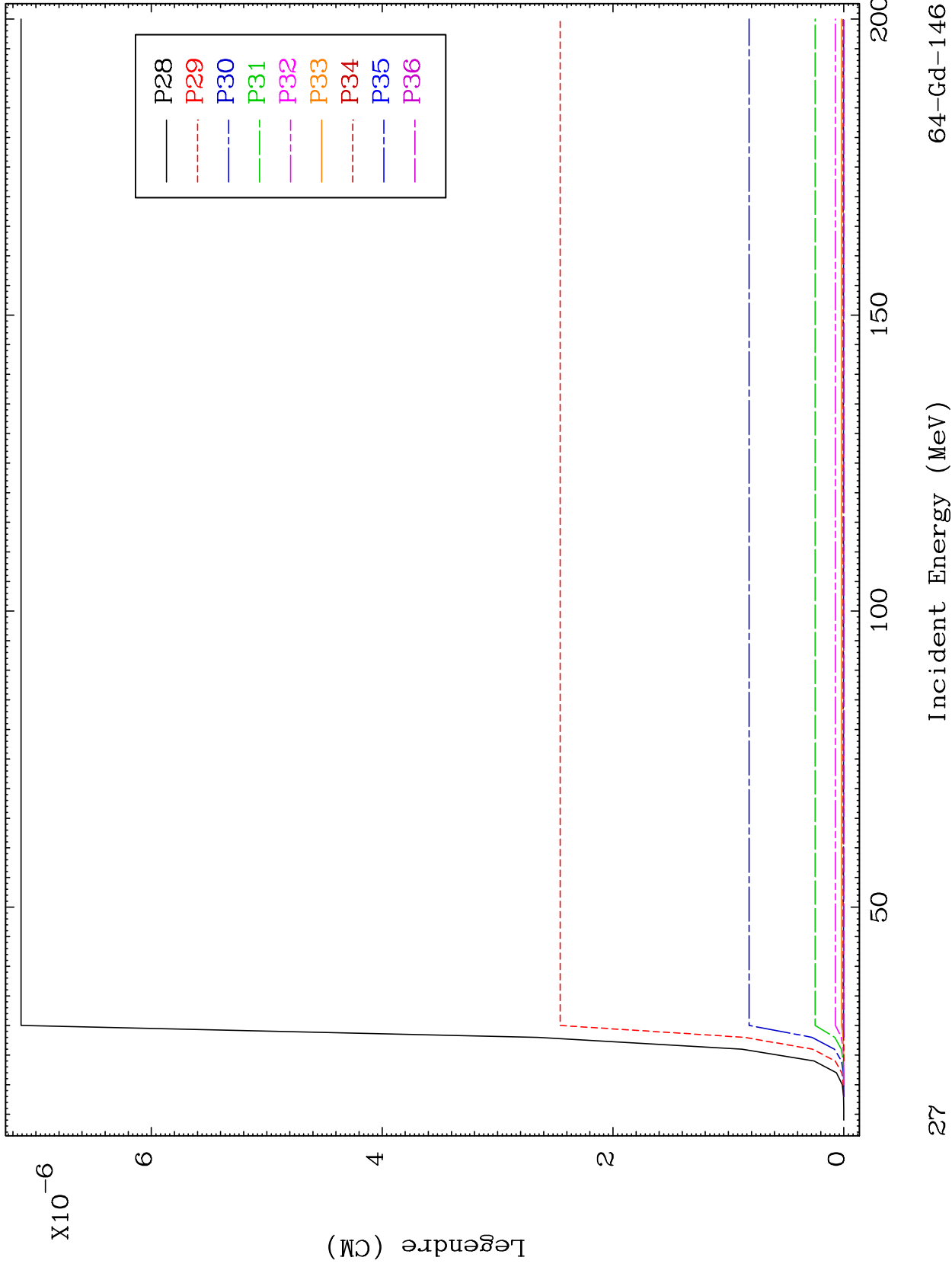
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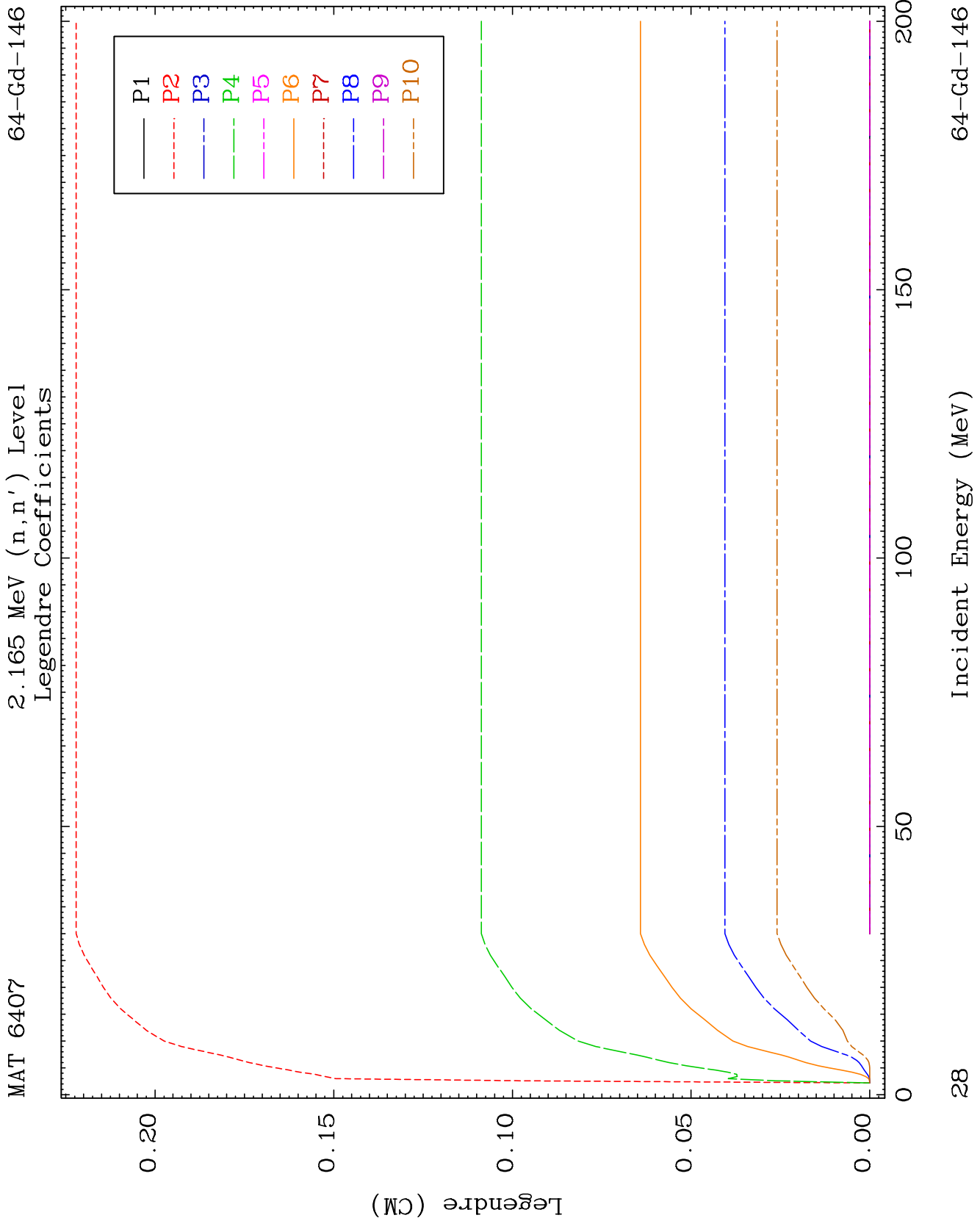


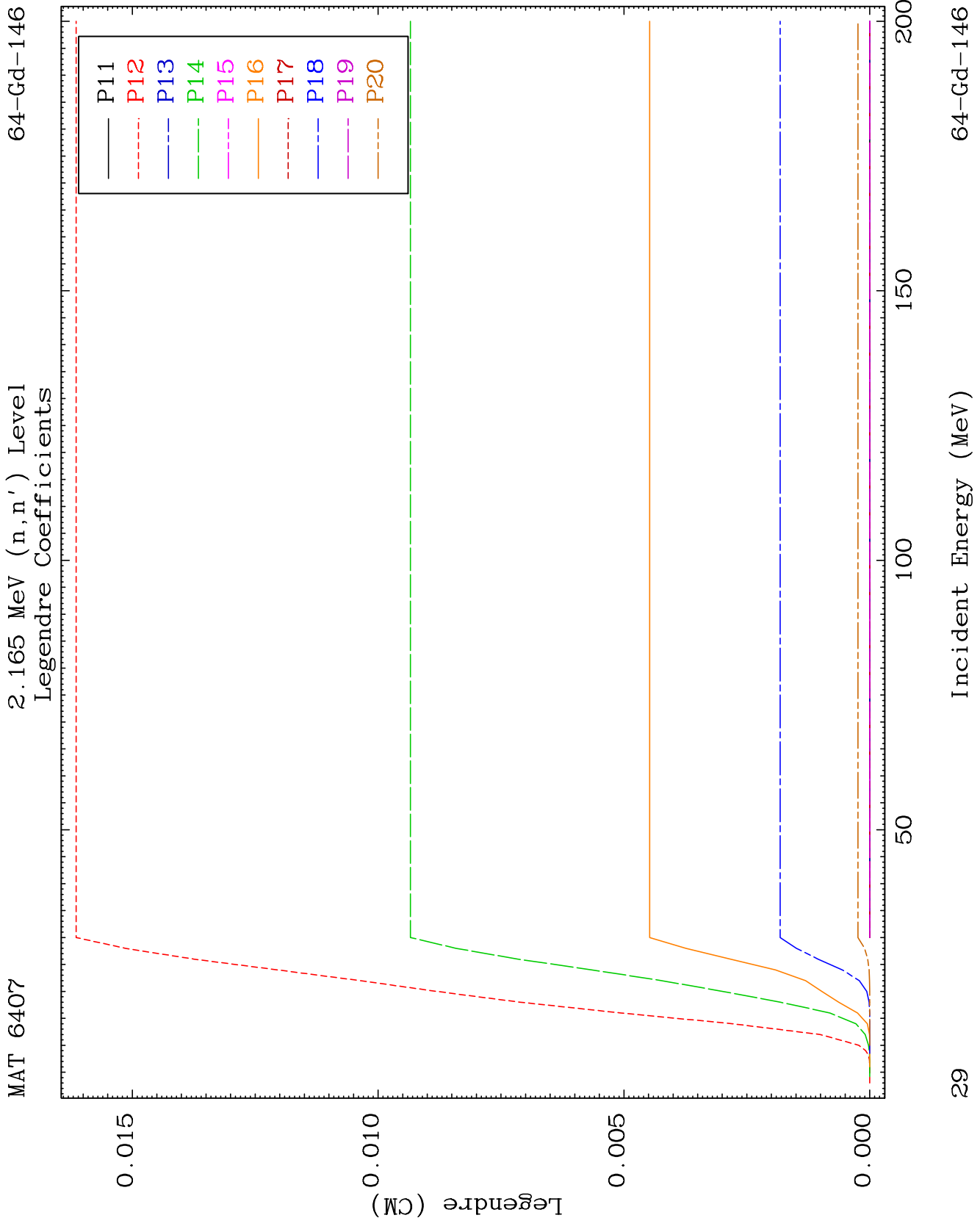
MAT 6407

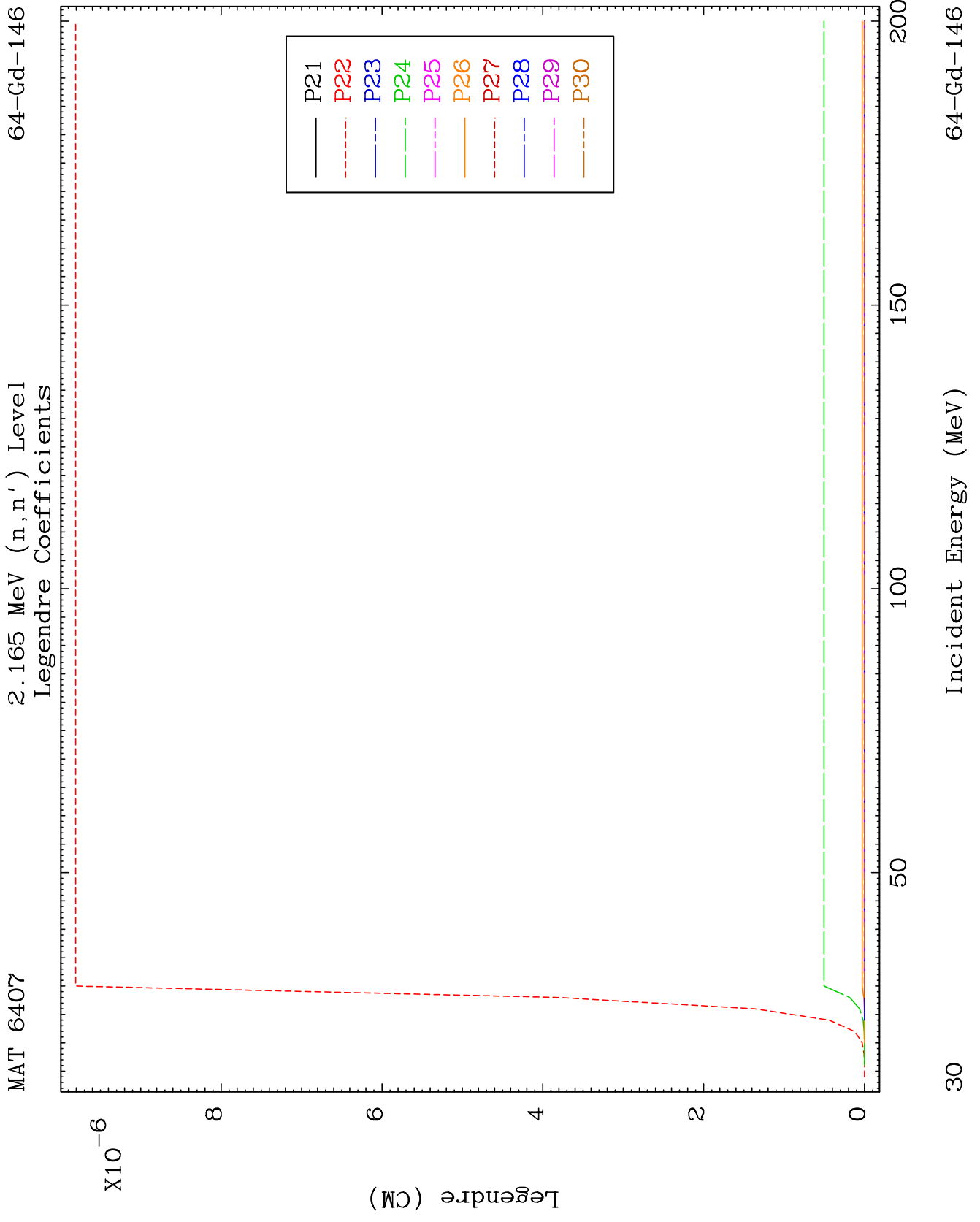
1.972 MeV (n,n') Level  
Legendre Coefficients

64-Gd-146





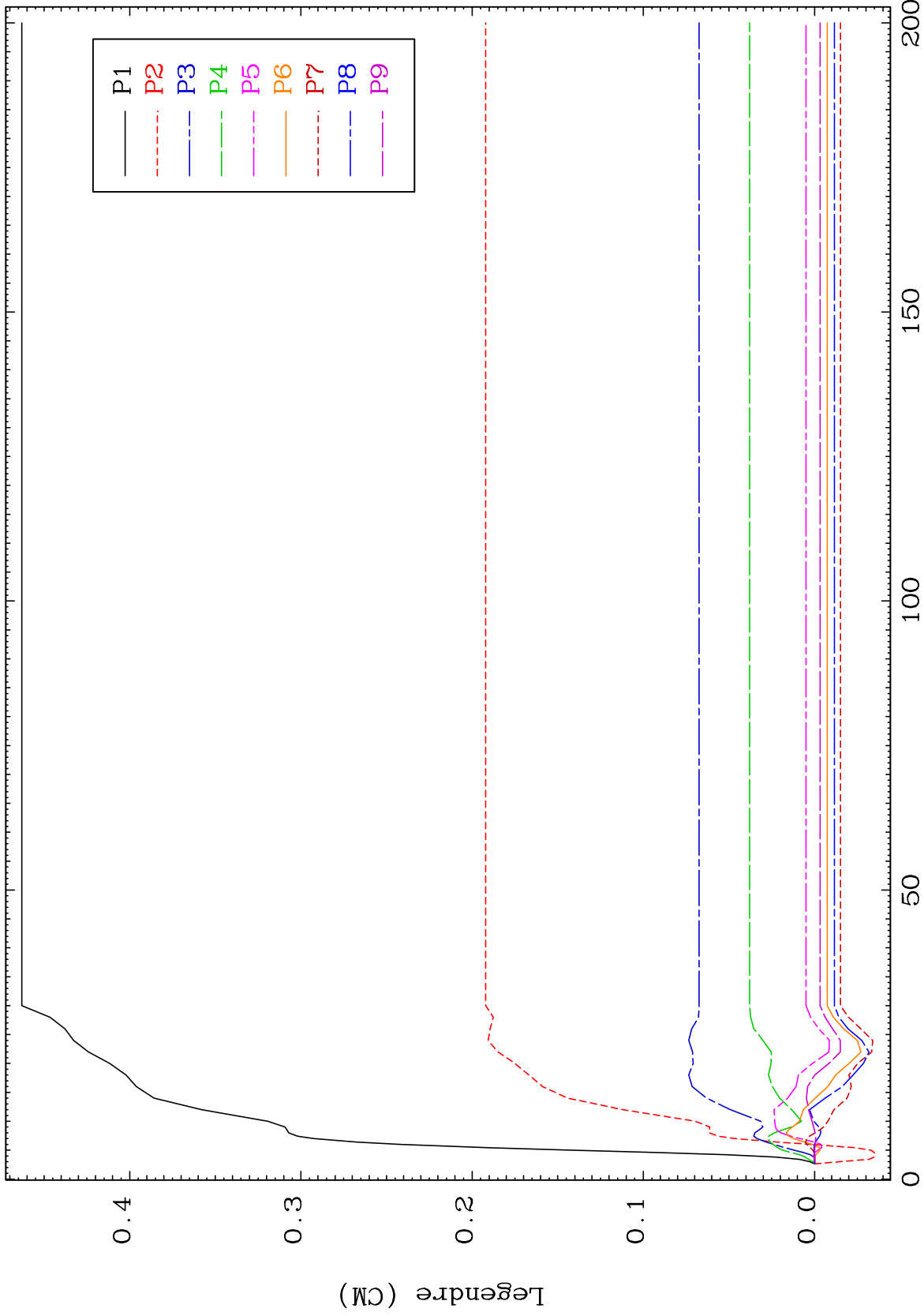




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2.611 MeV (n,n') Level  
Legendre Coefficients

64-Gd-146



31

Incident Energy (MeV)

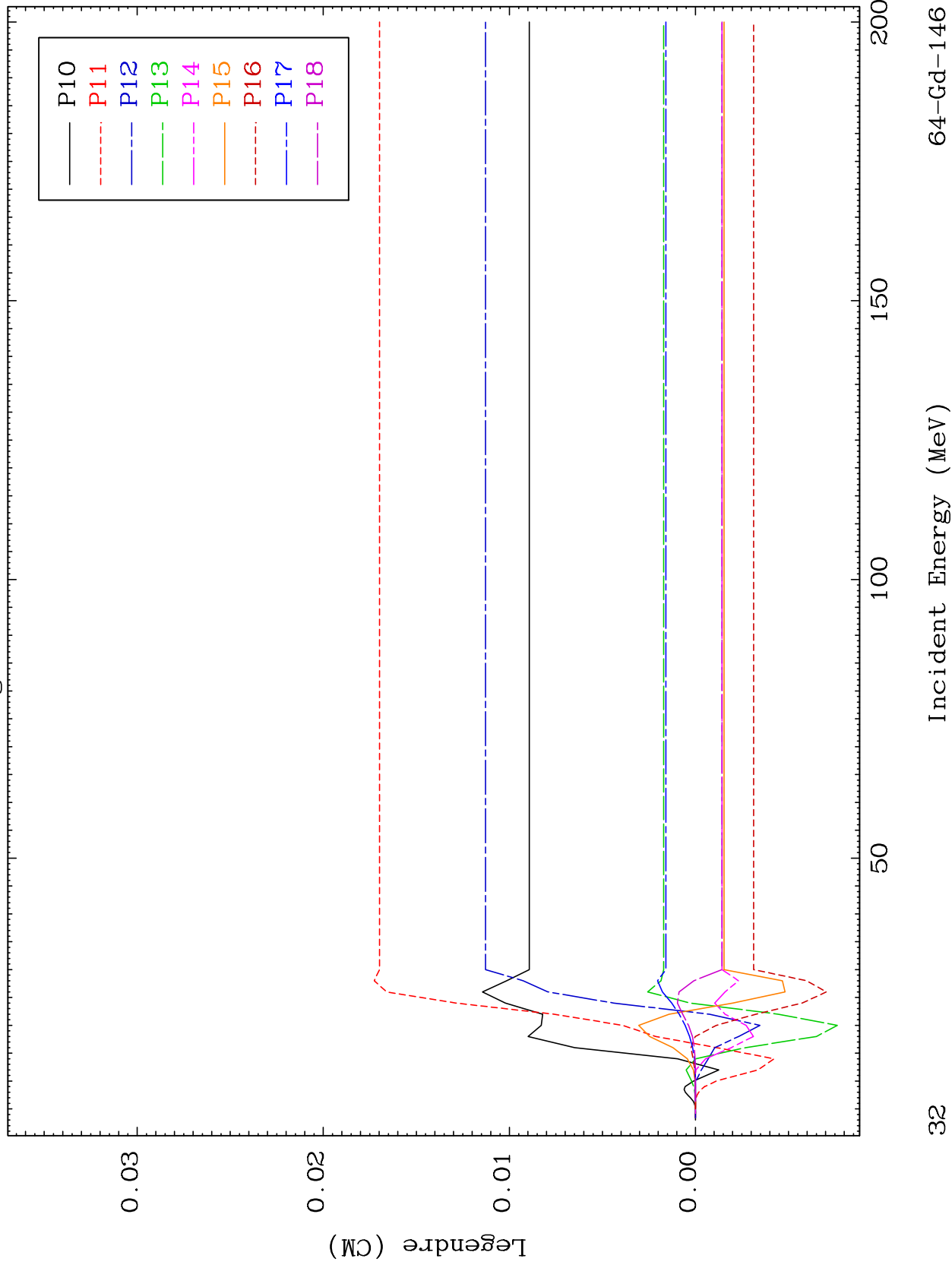
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MAT 6407

2.611 MeV (n,n') Level  
Legendre Coefficients

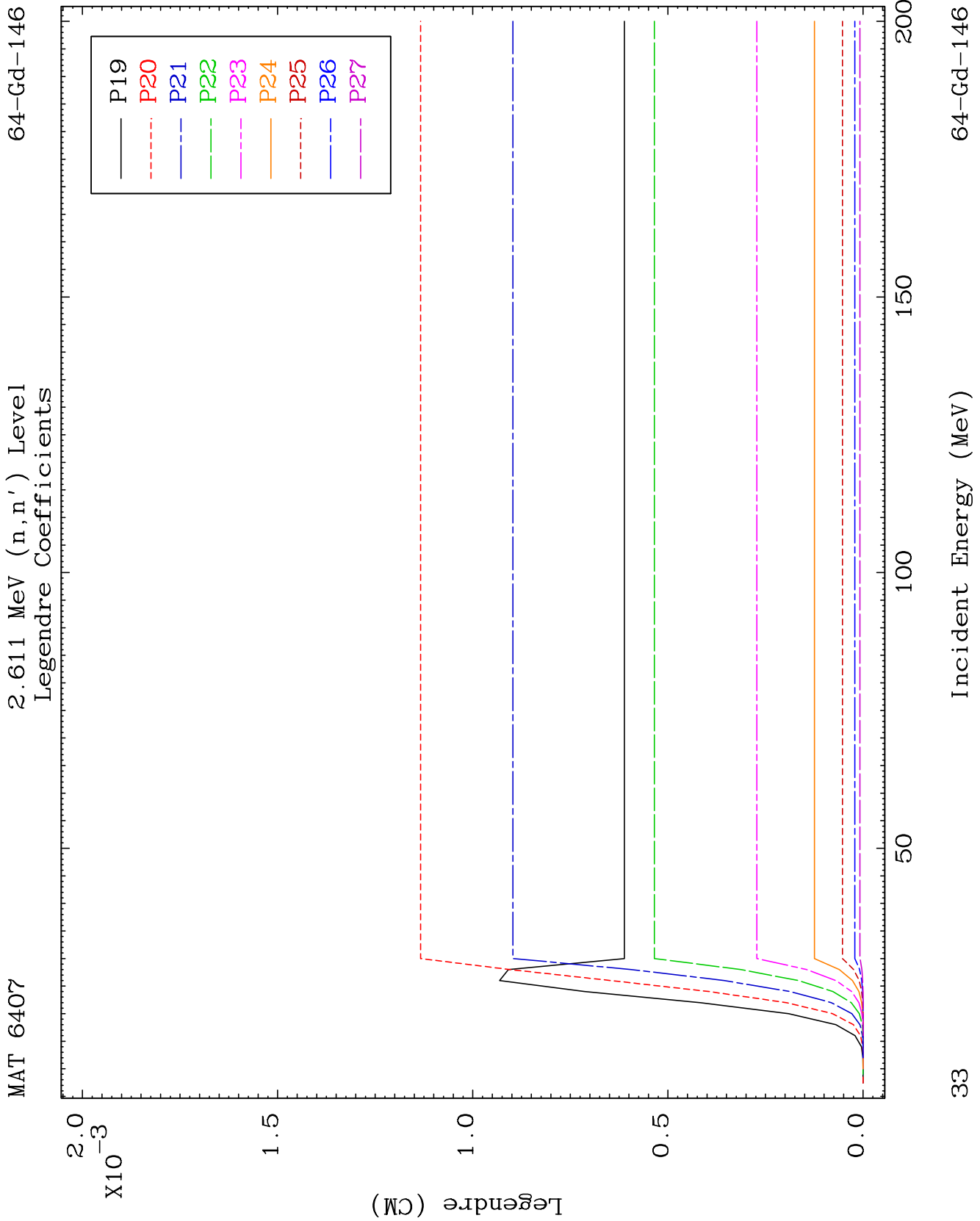
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32

Incident Energy (MeV)

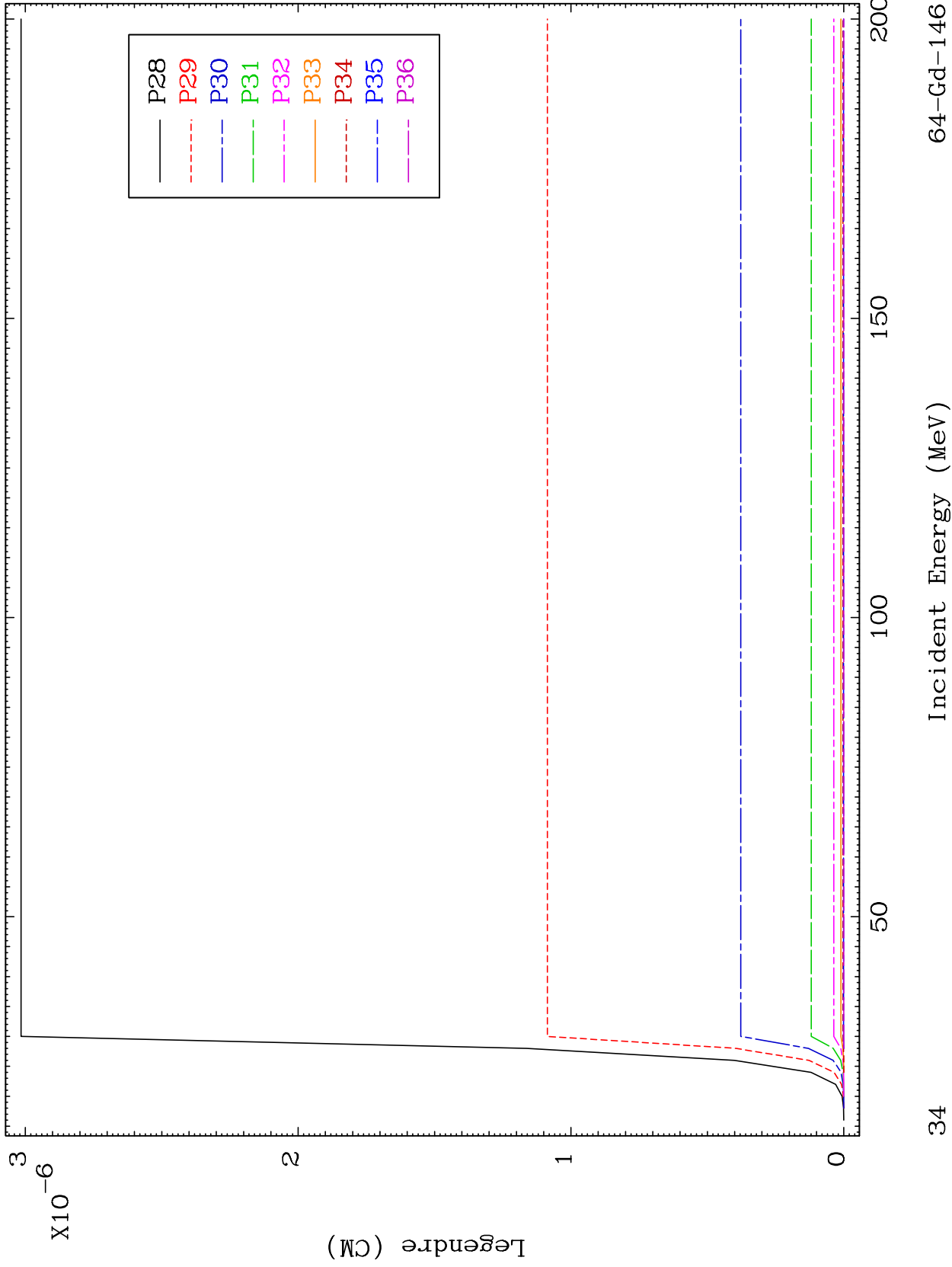
64-Gd-146



MAT 6407

2.611 MeV (n,n') Level  
Legendre Coefficients

64-Gd-146



34

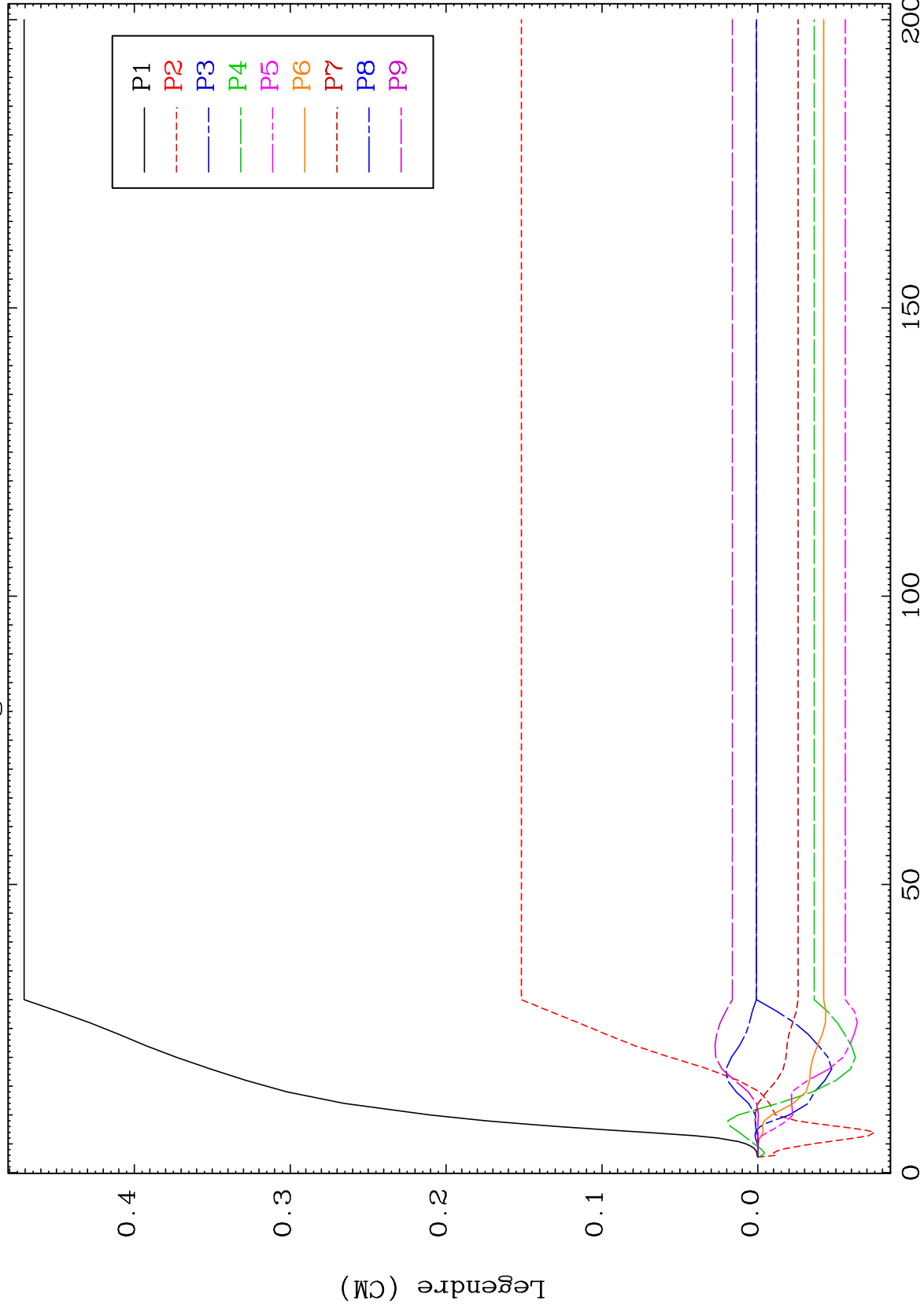
Incident Energy (MeV)

64-Gd-146

MAT 6407

2.658 MeV (n,n') Level  
Legendre Coefficients

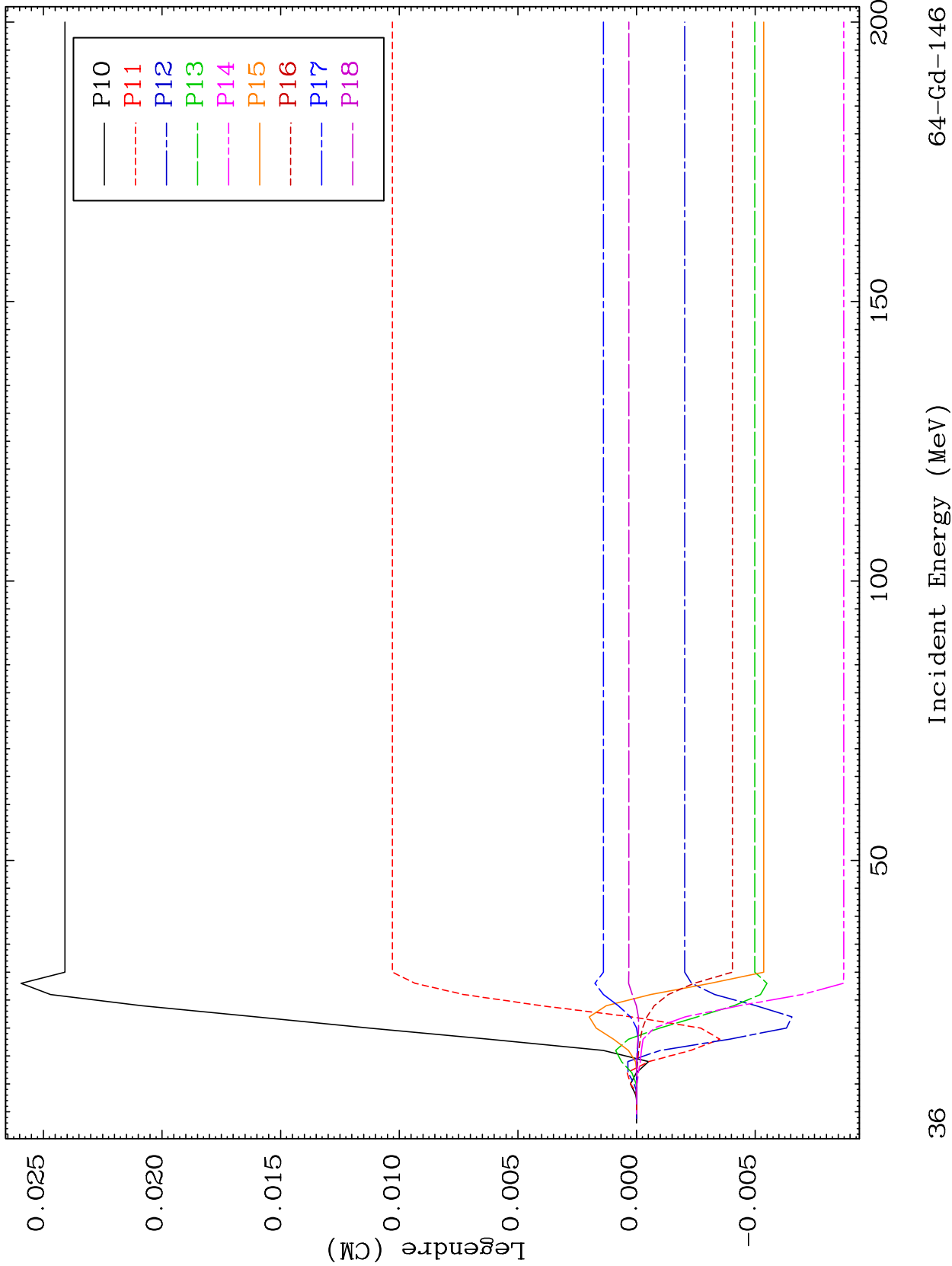
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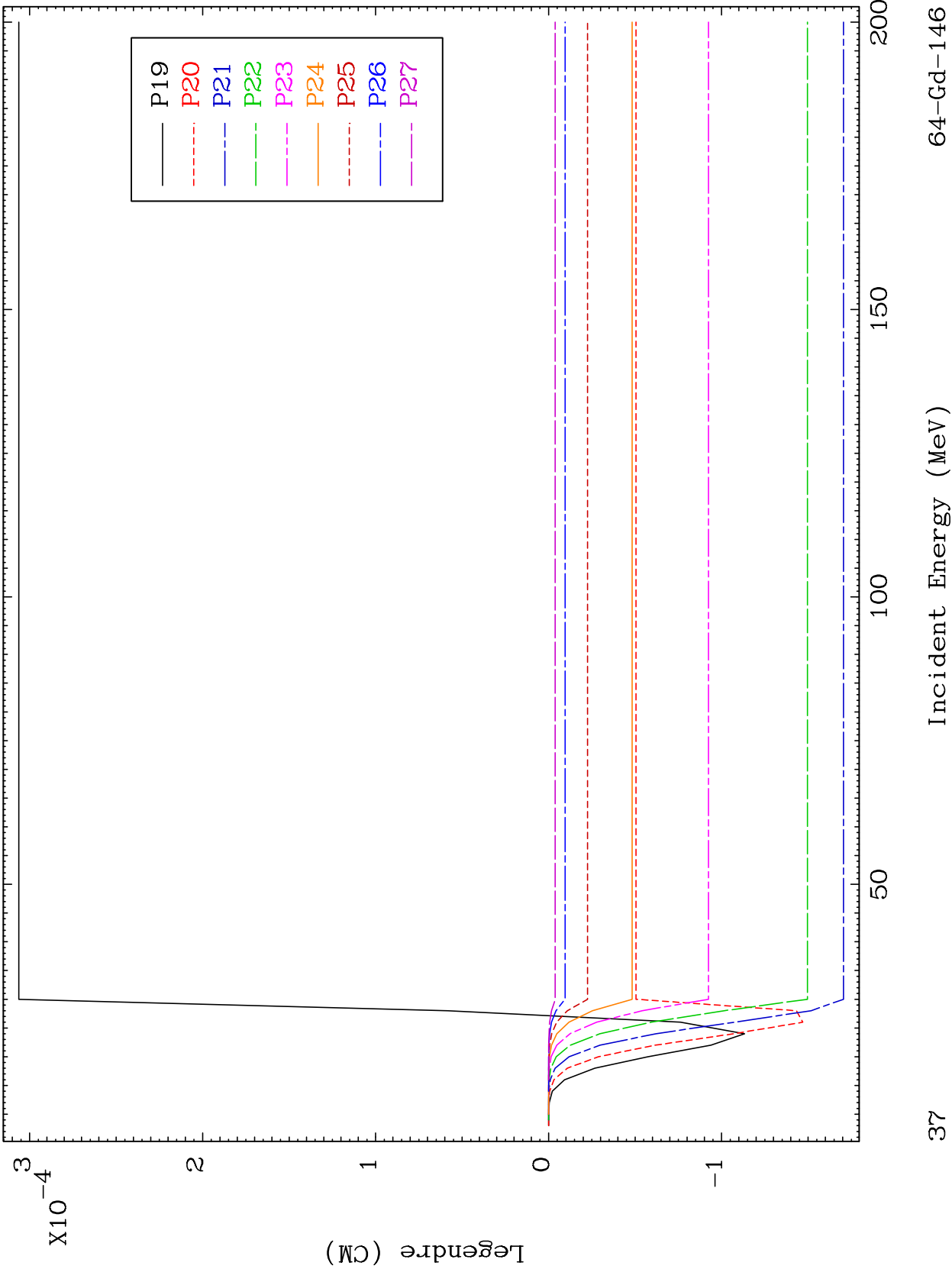


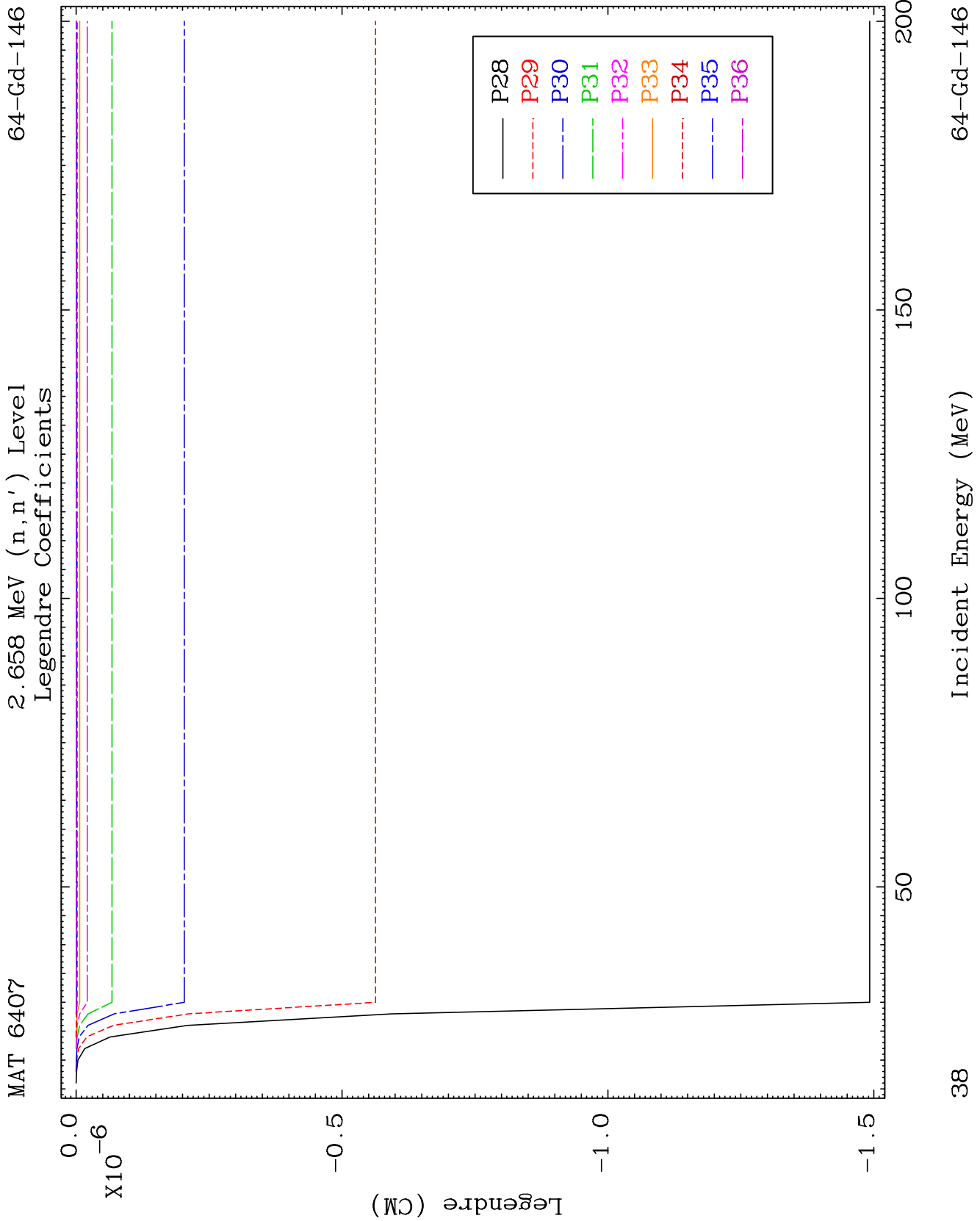
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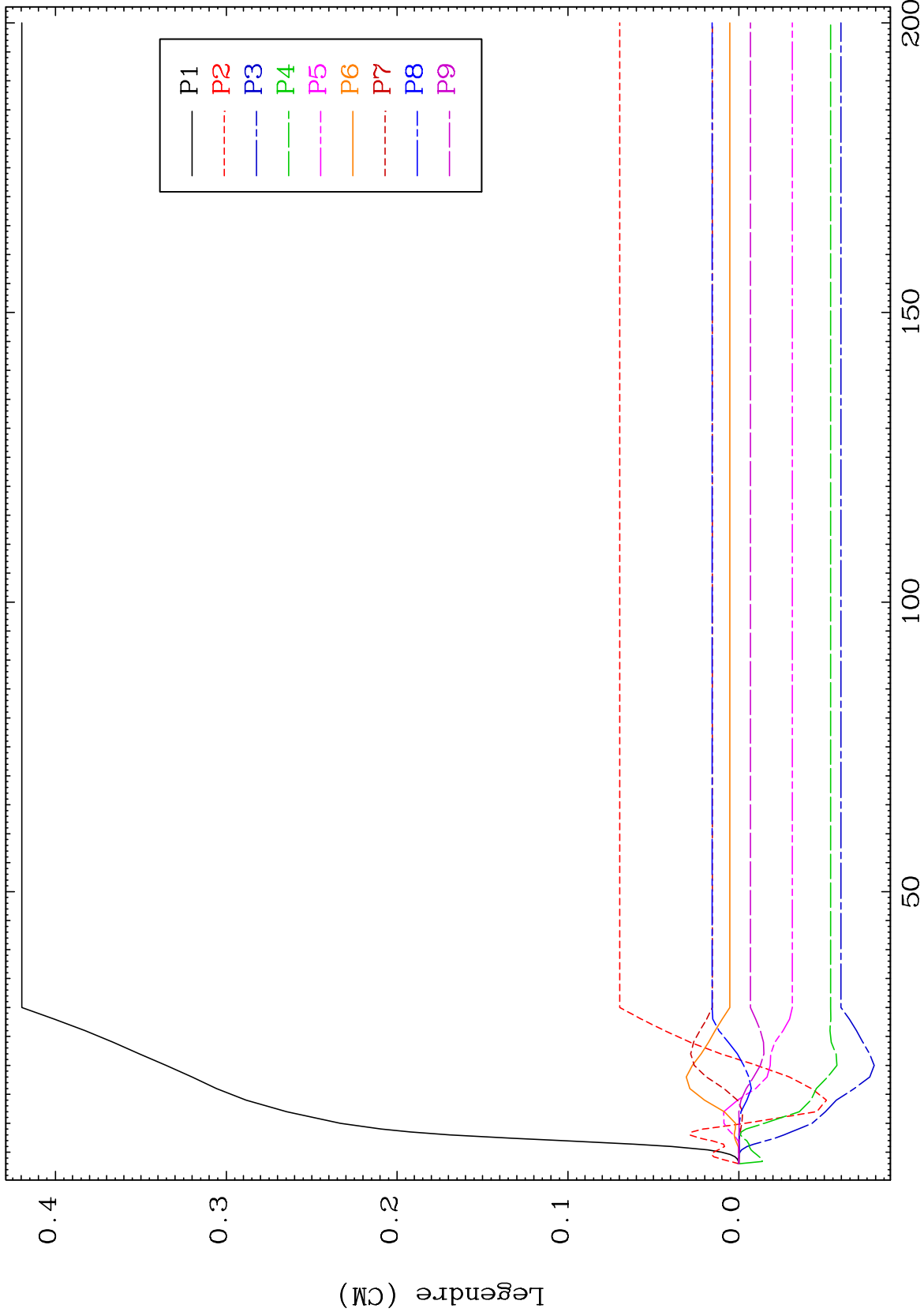
Incident Energy (MeV)

64-Gd-146







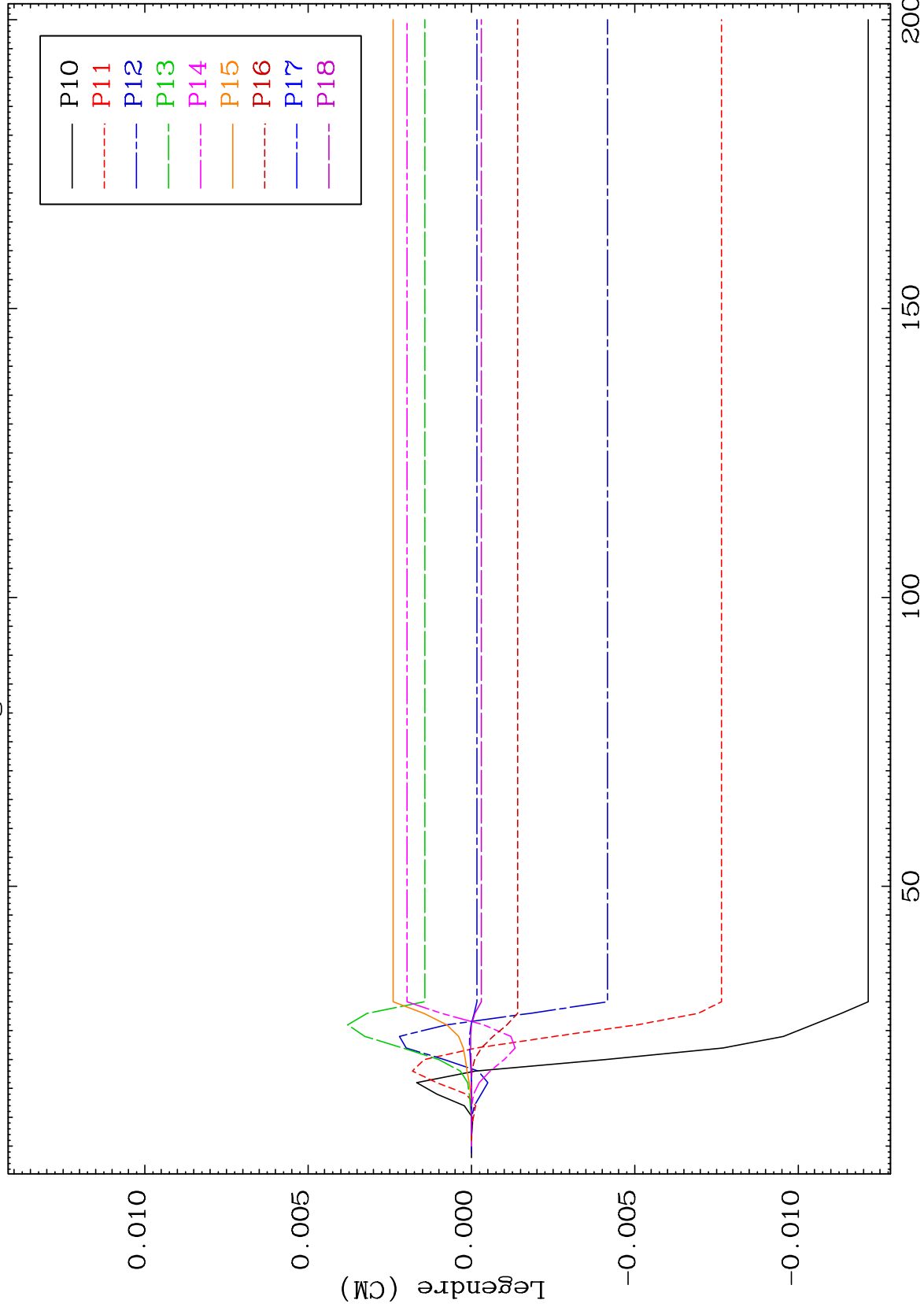




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2.982 MeV (n,n') Level  
Legendre Coefficients

64-Gd-146



40

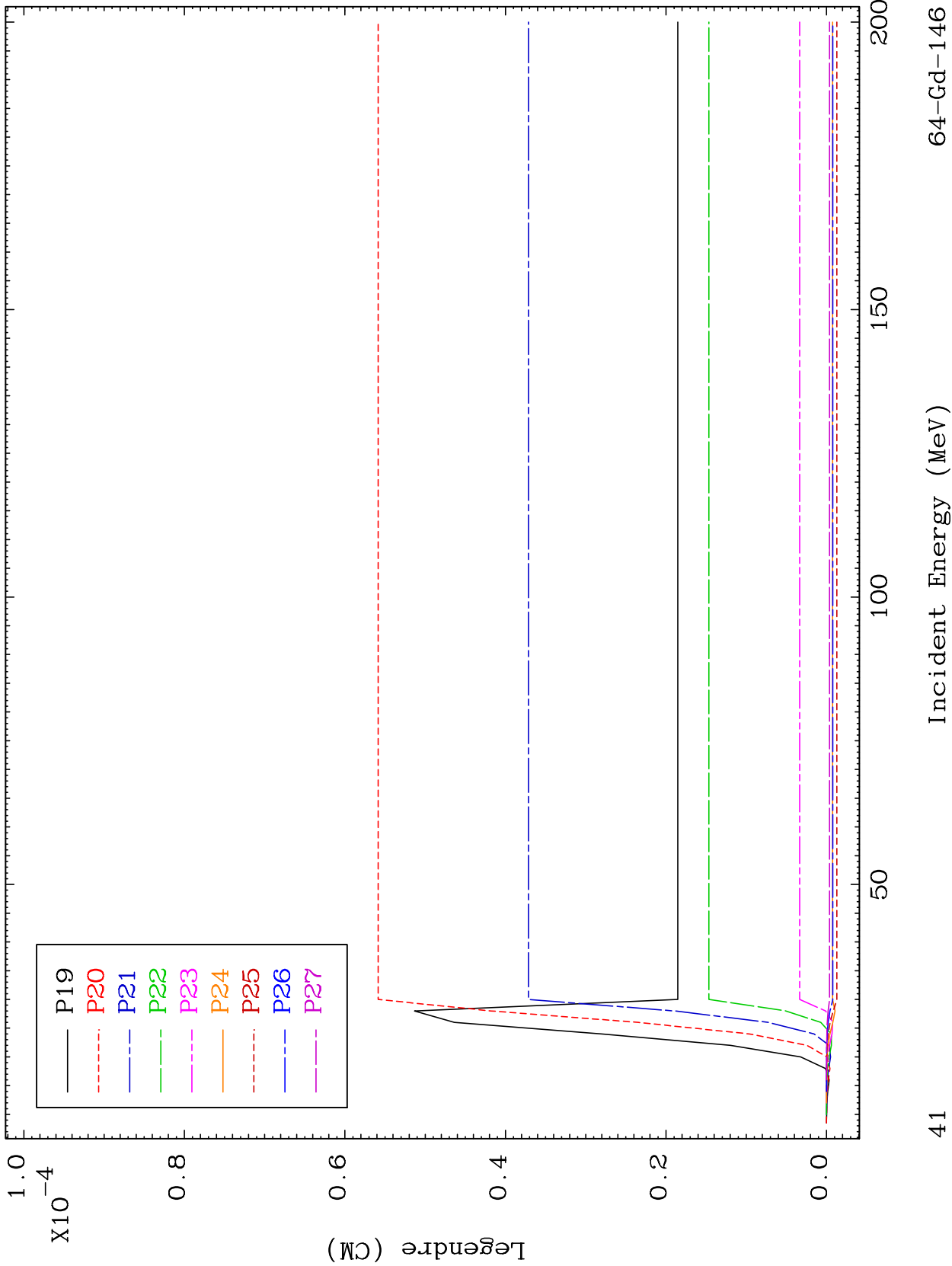
Incident Energy (MeV)

64-Gd-146

MAT 6407

2.982 MeV (n, n') Level  
Legendre Coefficients

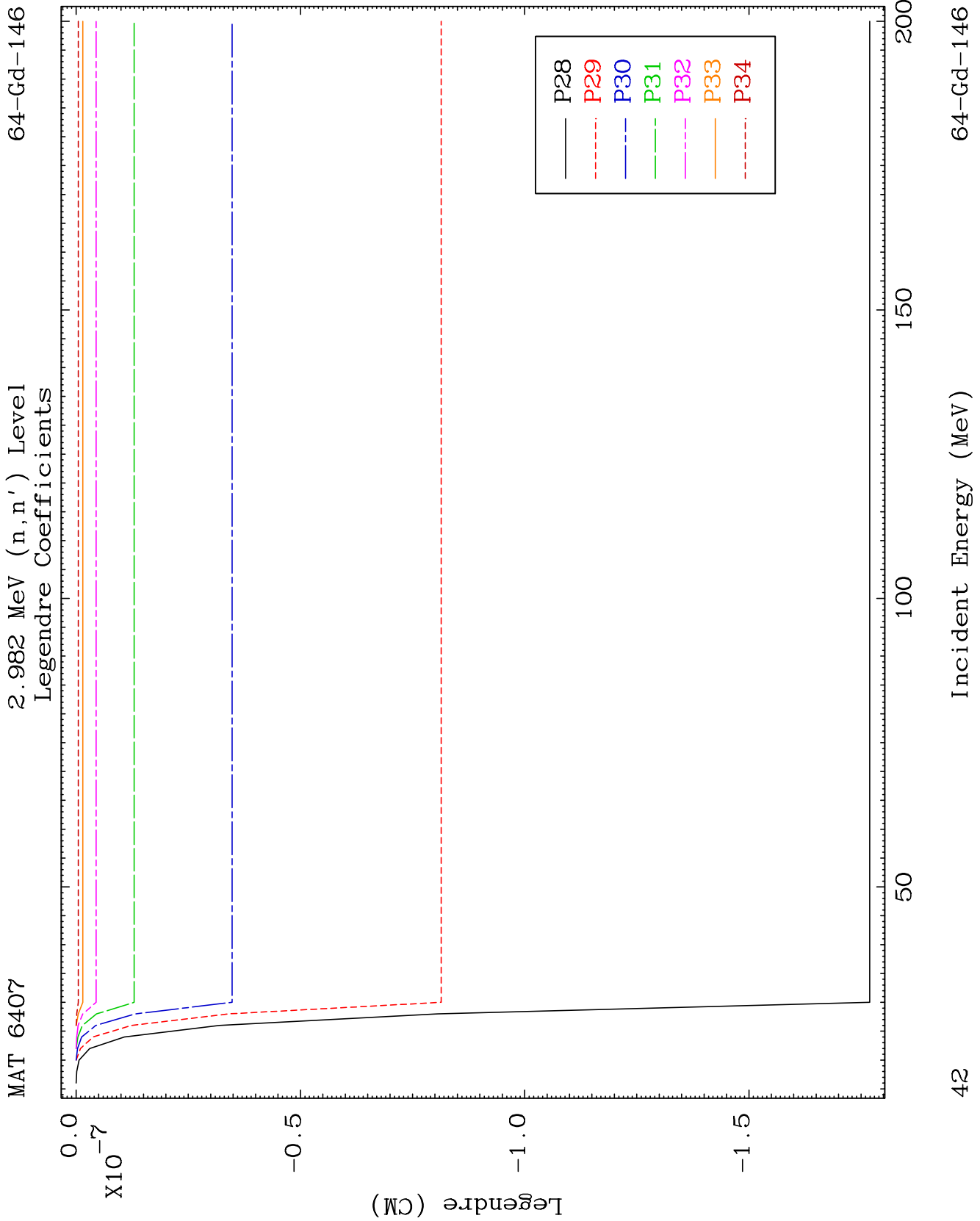
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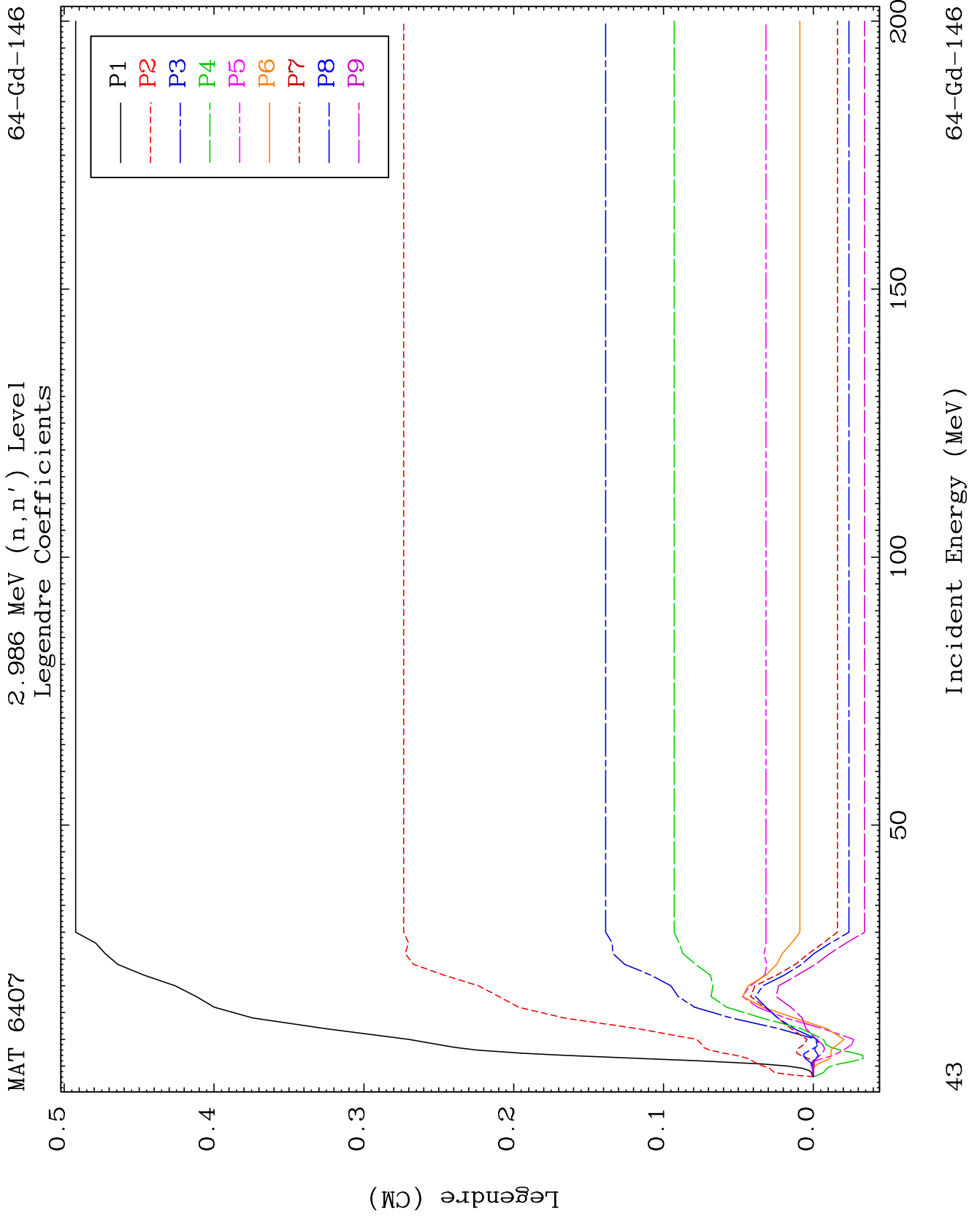


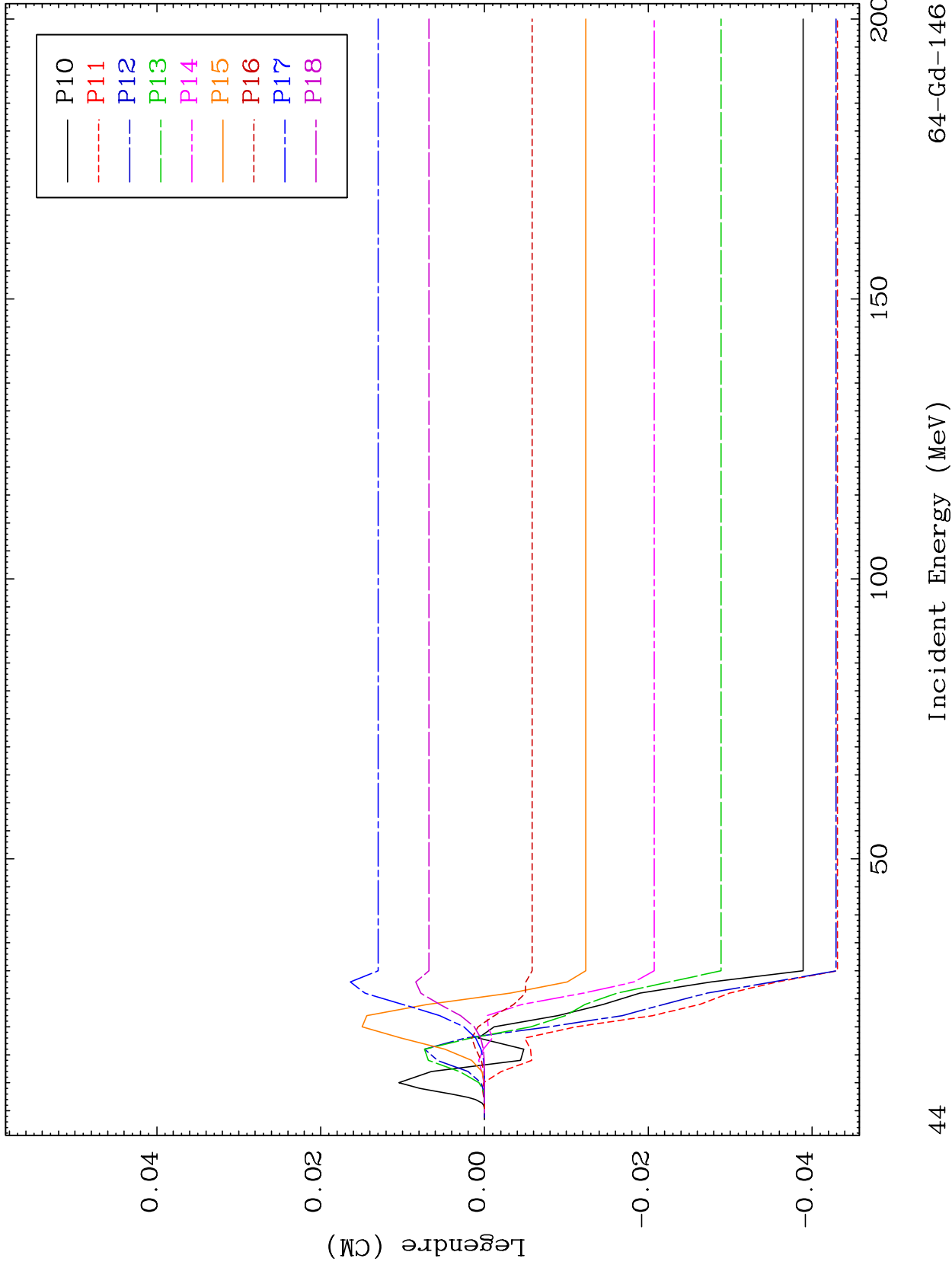
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Incident Energy (MeV)

64-Gd-146



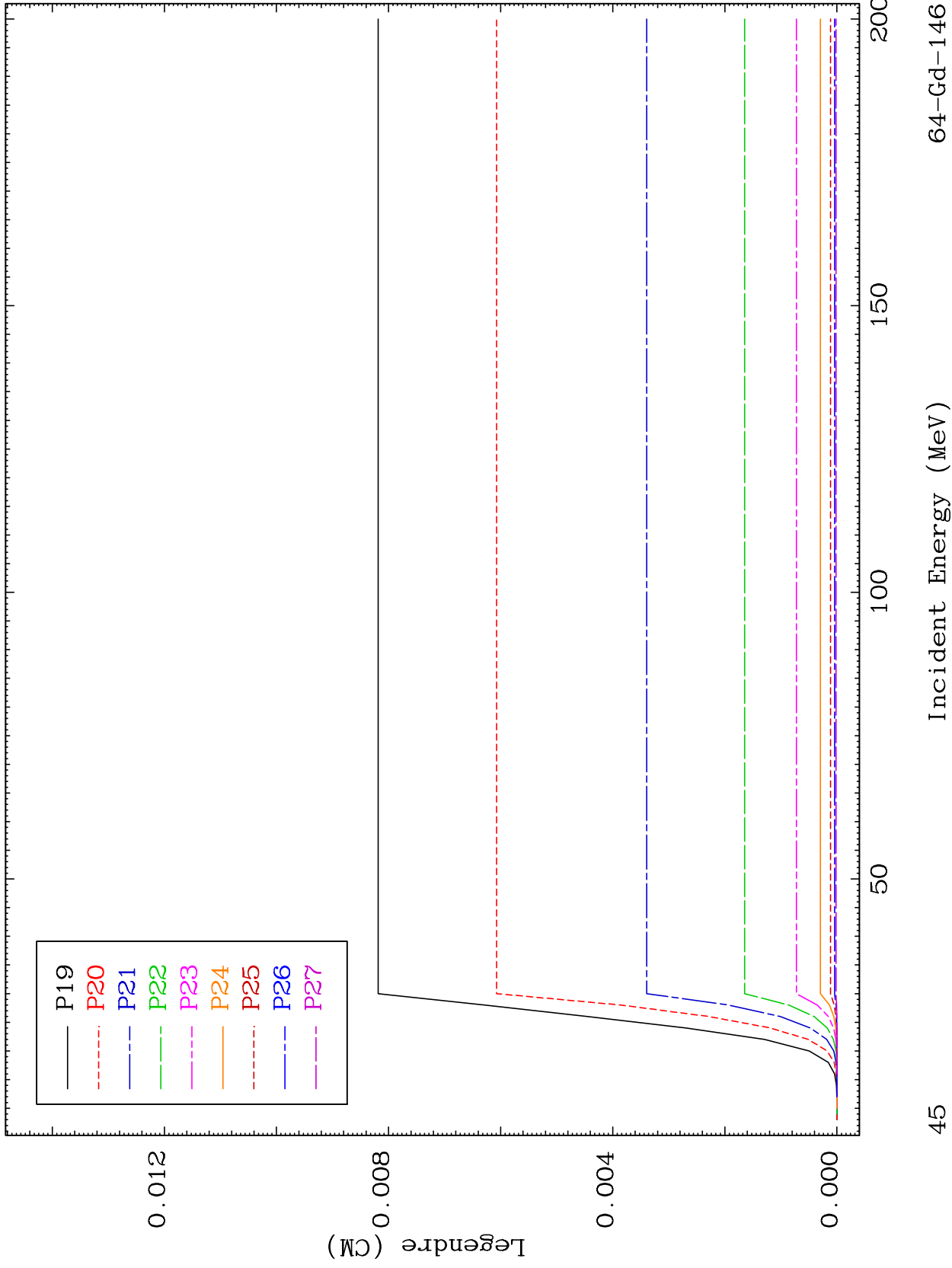




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2.986 MeV (n,n') Level  
Legendre Coefficients

64-Gd-146



45

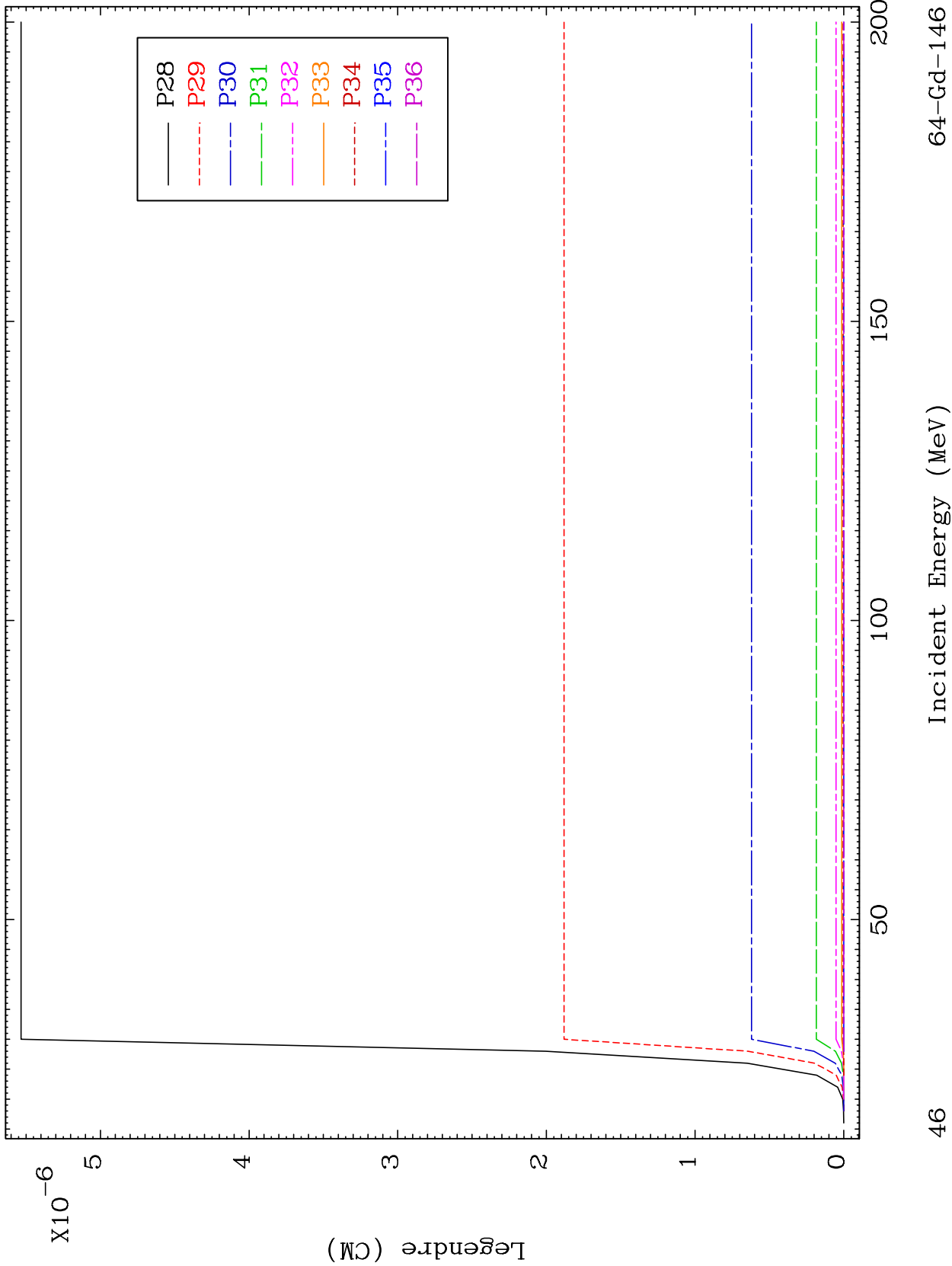
Incident Energy (MeV)

64-Gd-146

MAT 6407

2.986 MeV (n,n') Level  
Legendre Coefficients

64-Gd-146



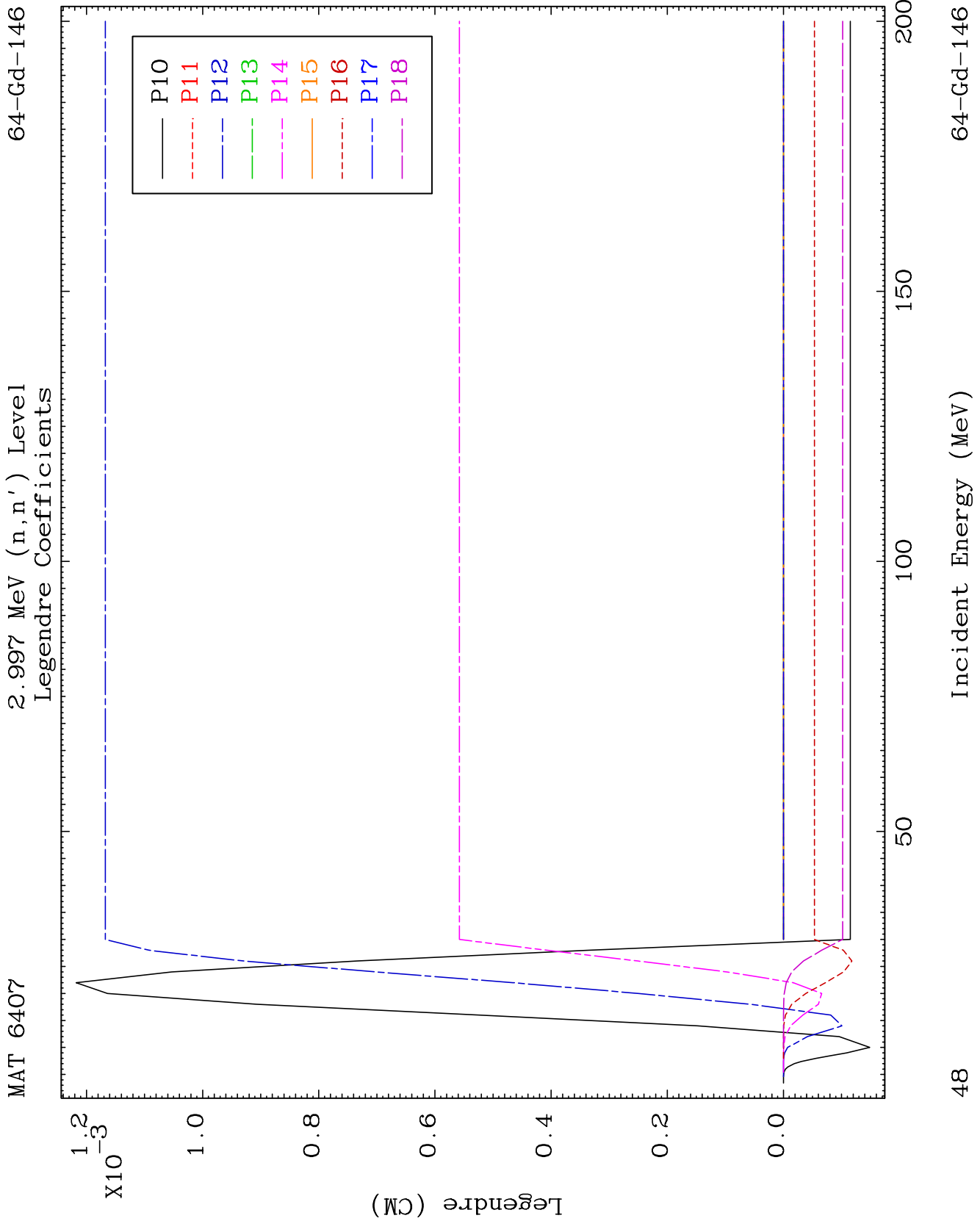
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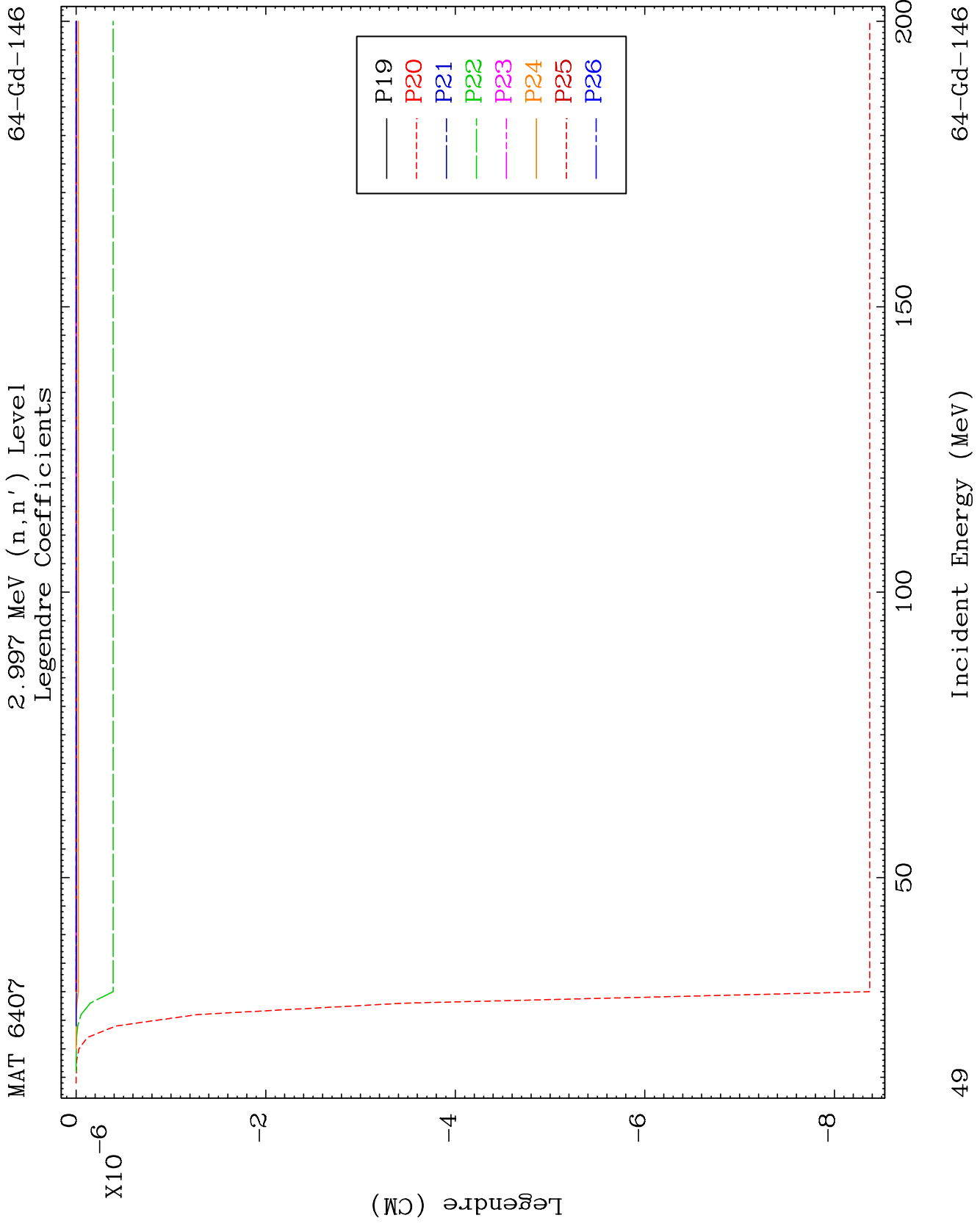
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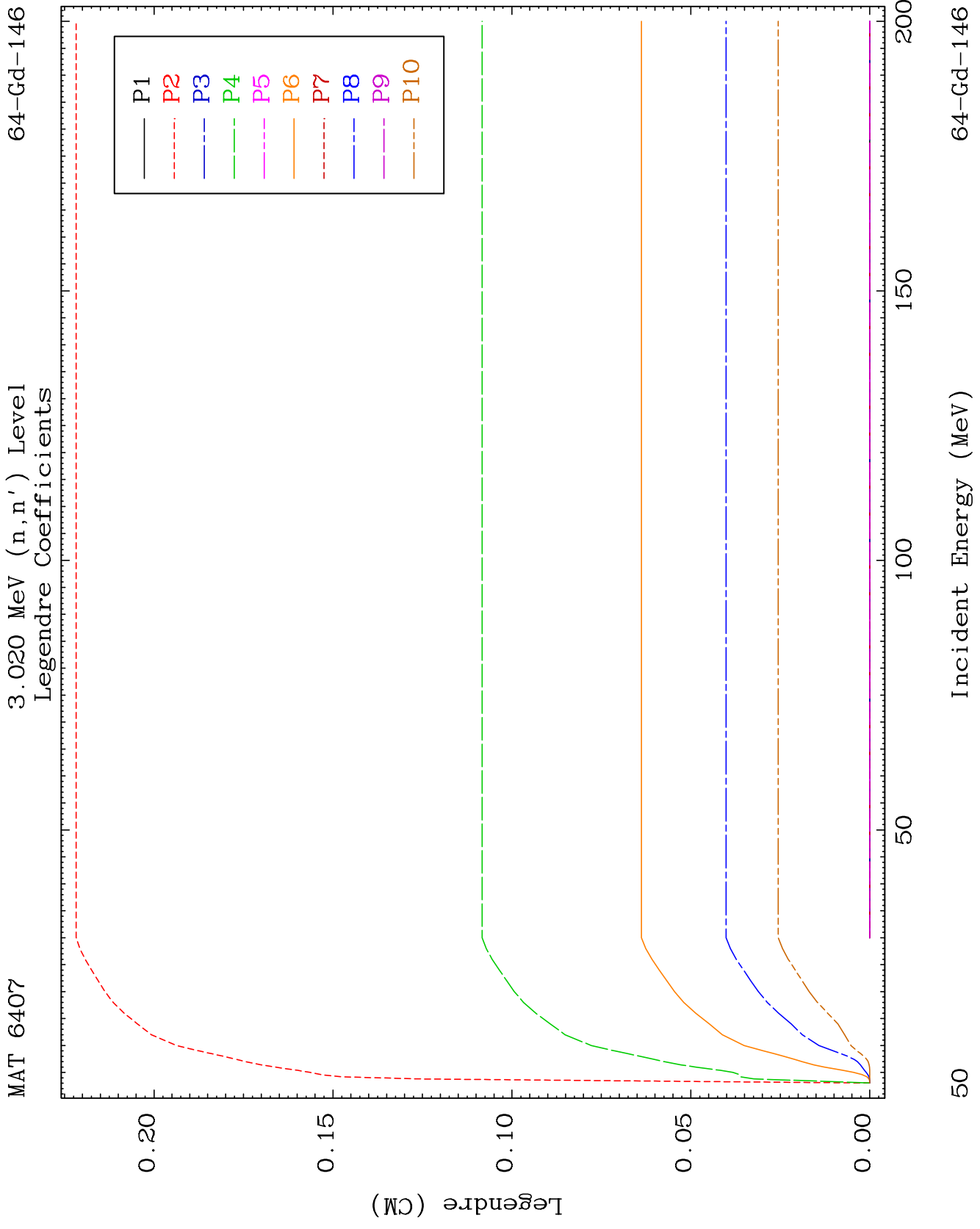
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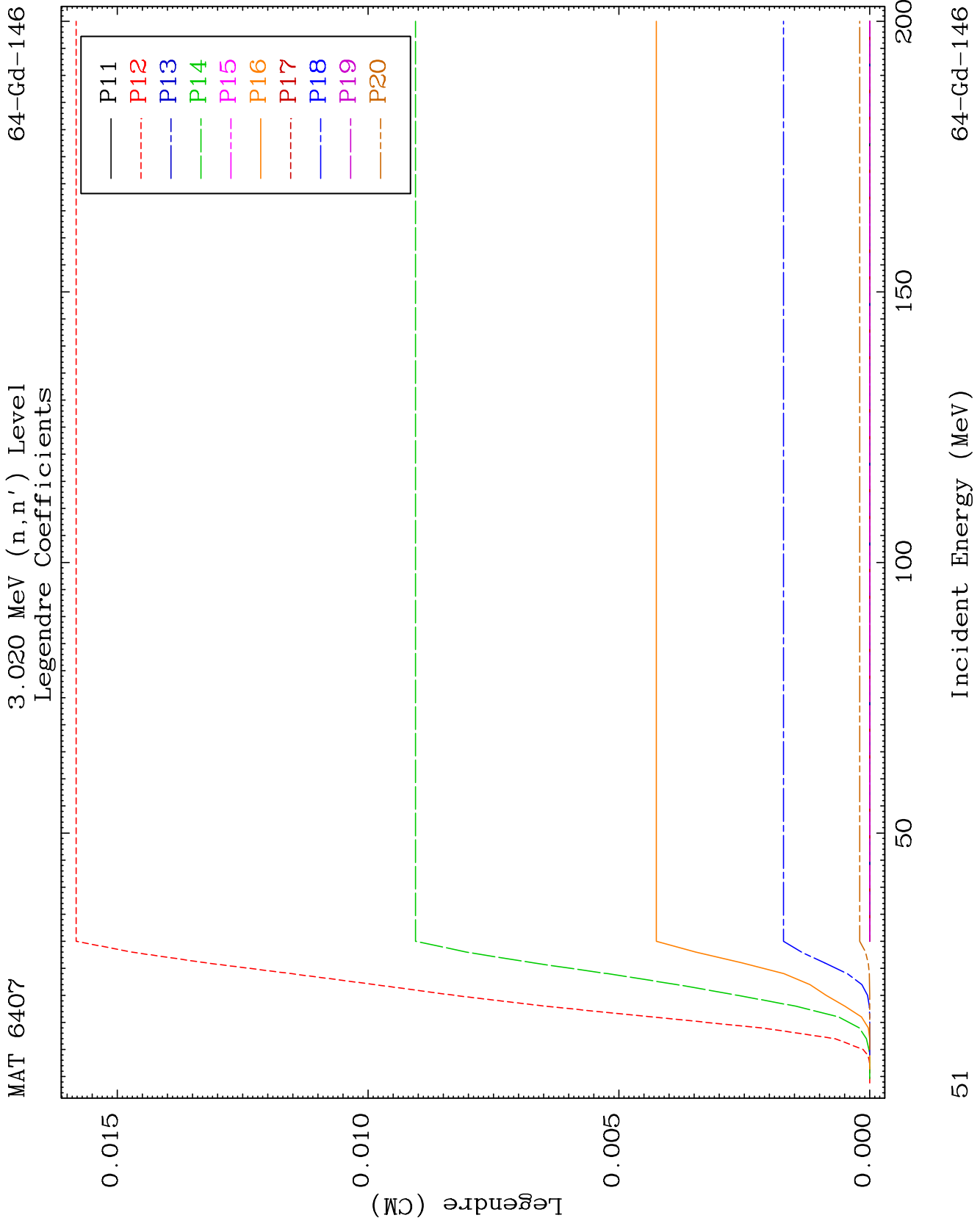


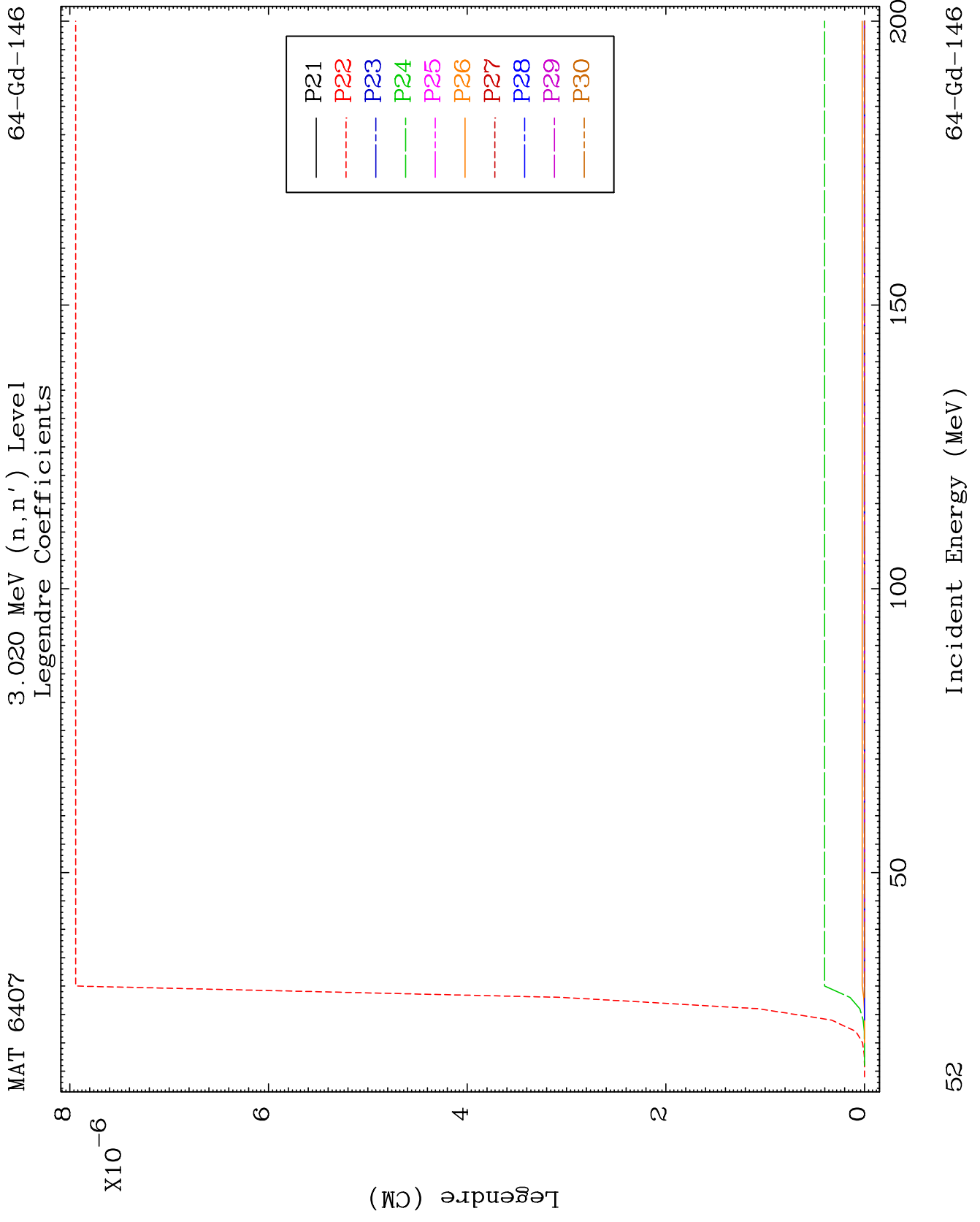


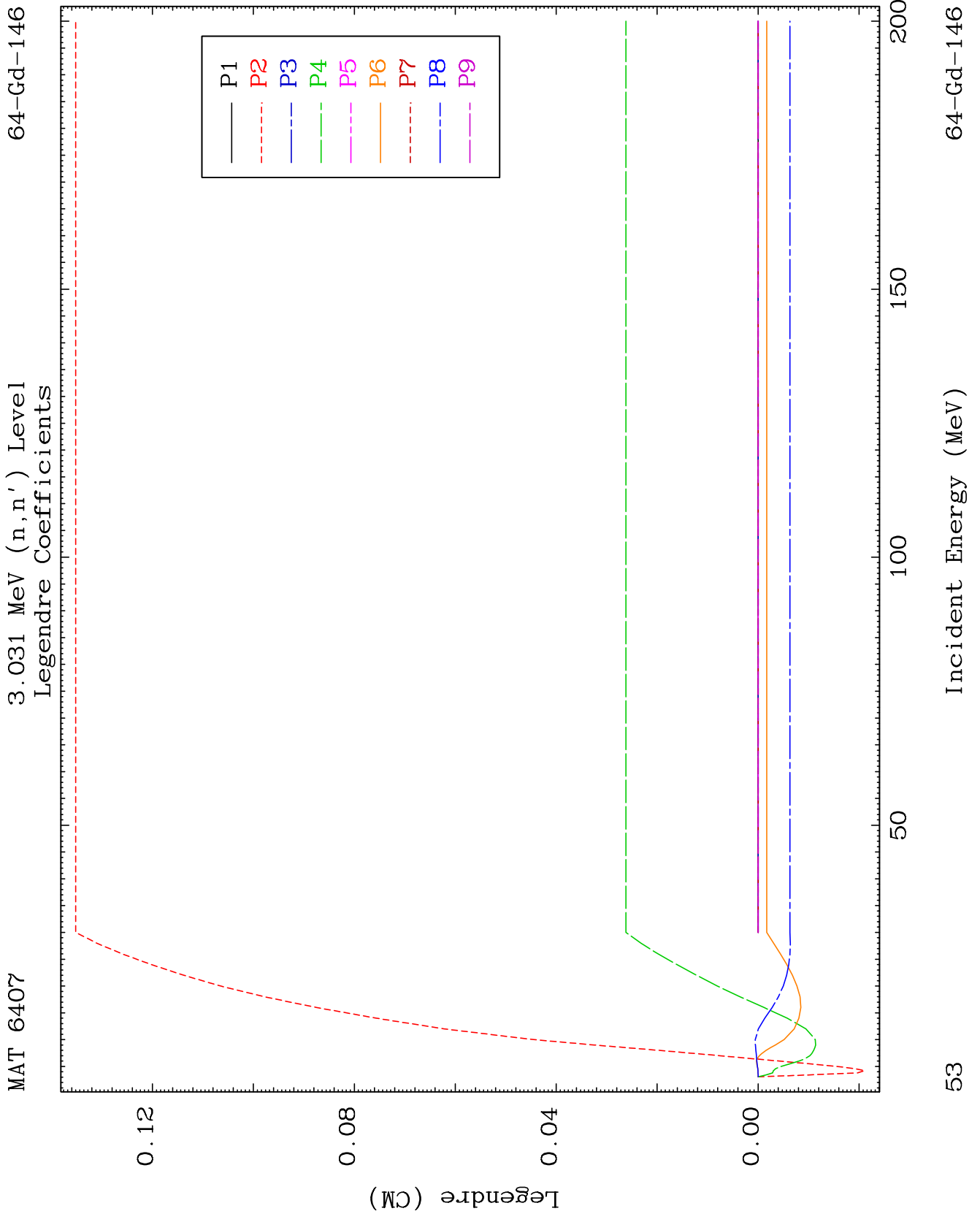








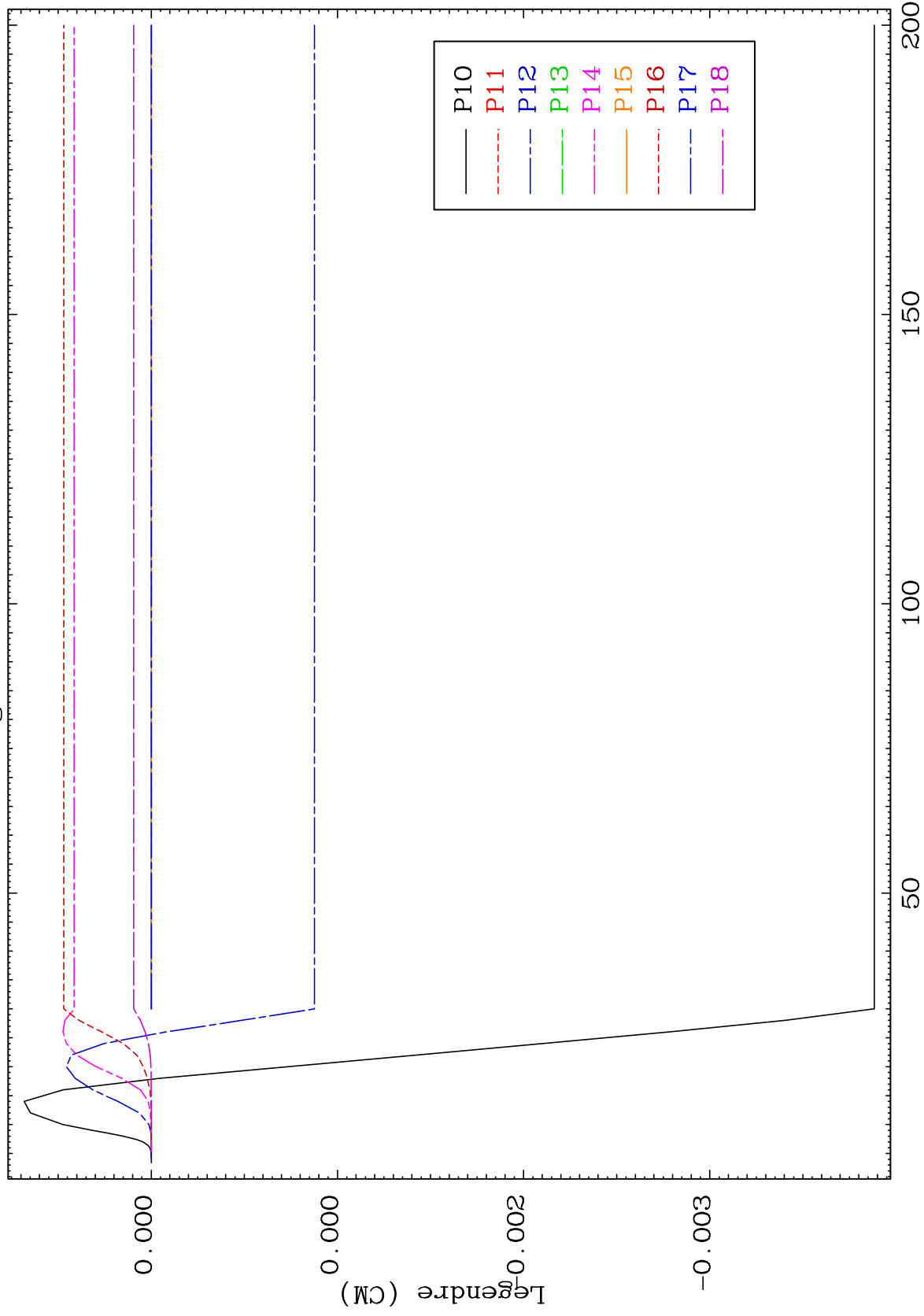




MAT 6407

3.031 MeV (n,n') Level  
Legendre Coefficients

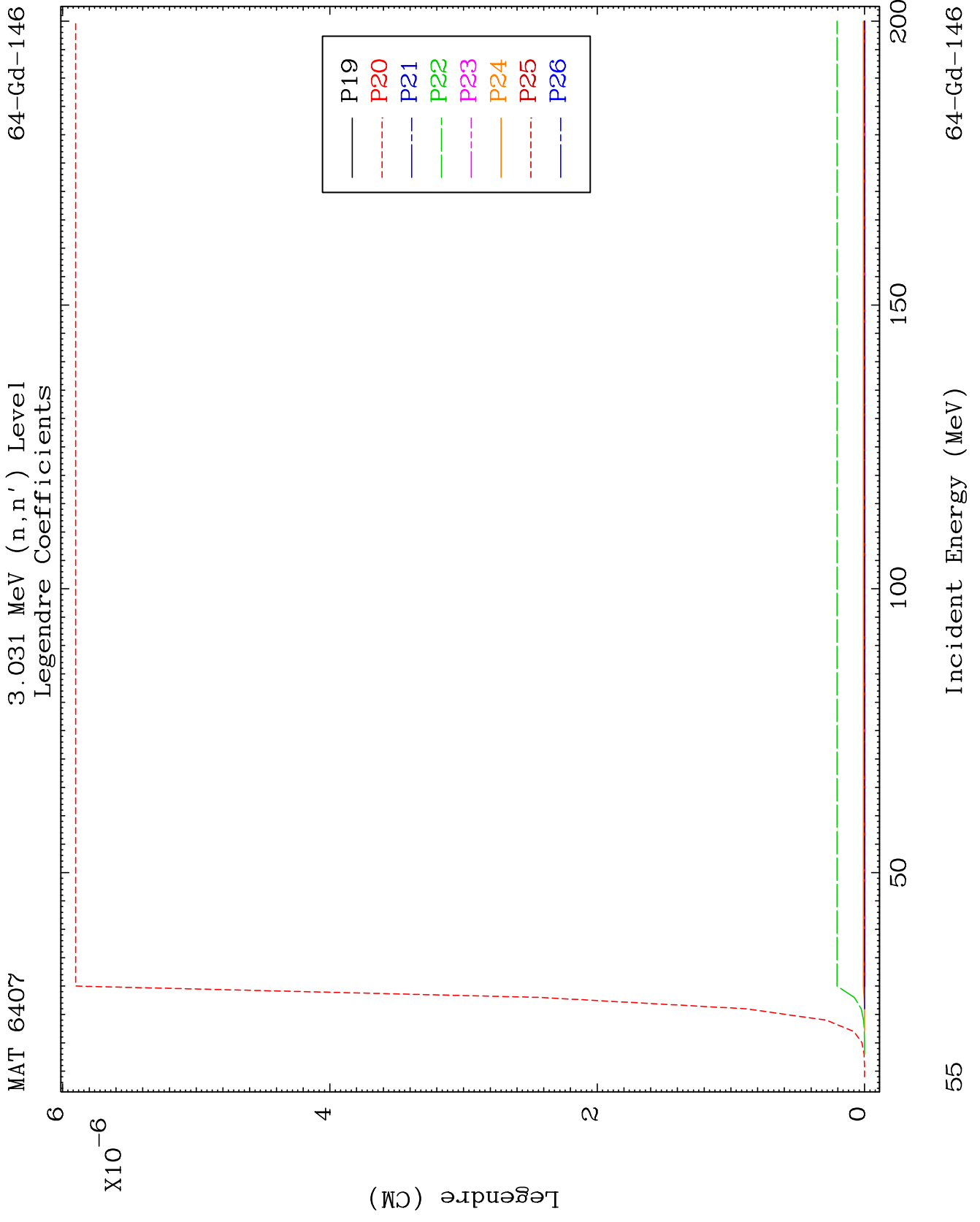
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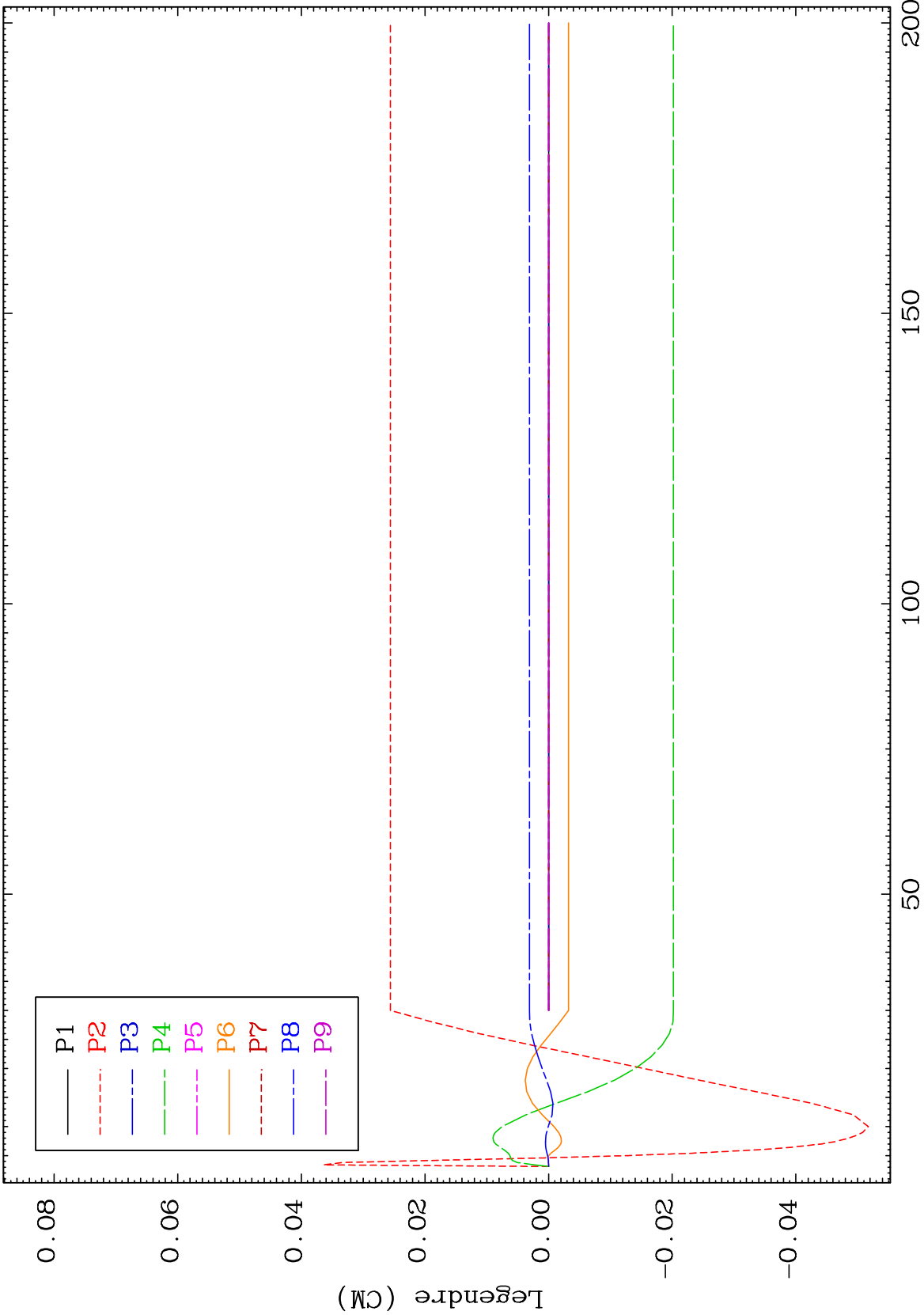
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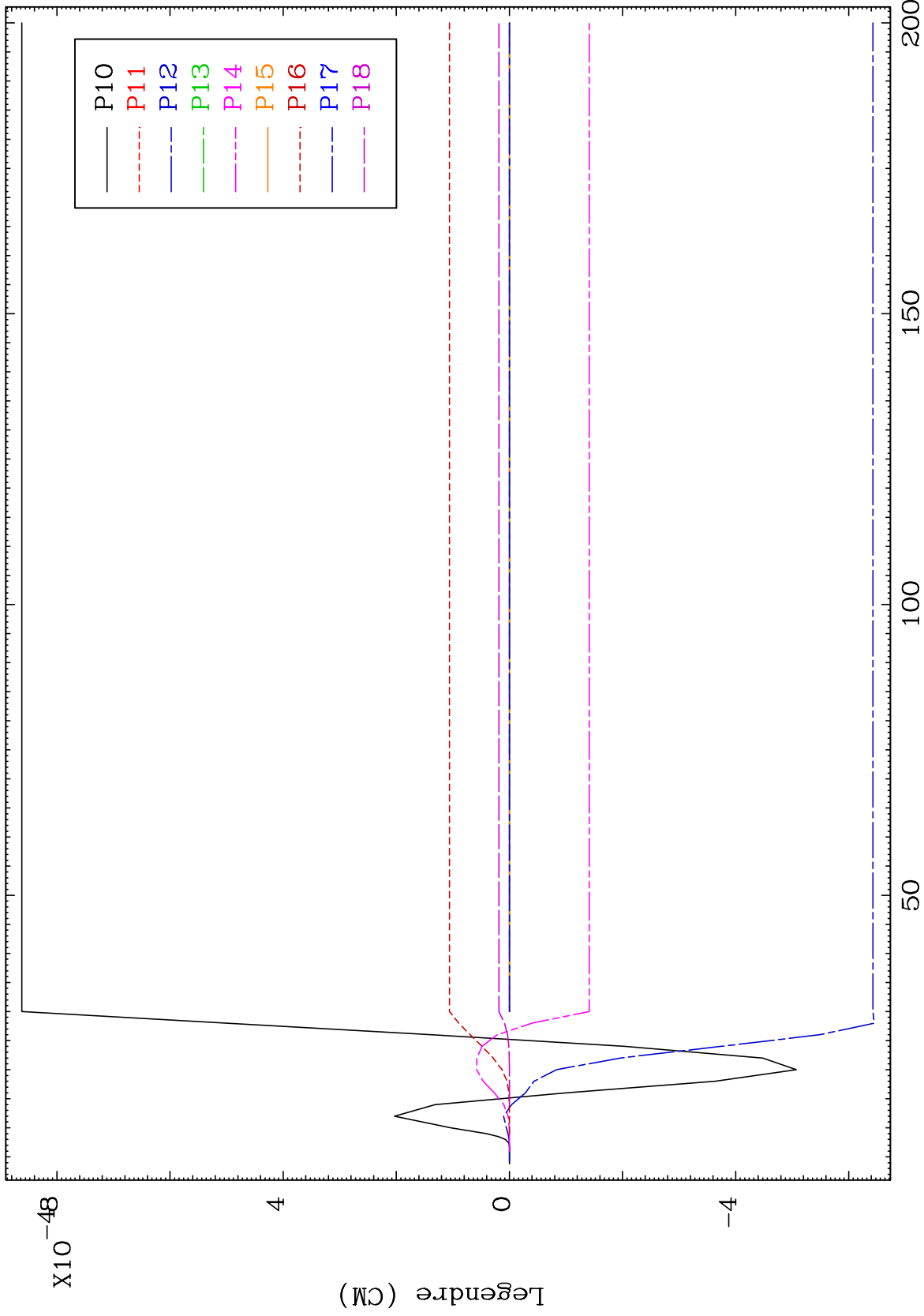
Incident Energy (MeV)

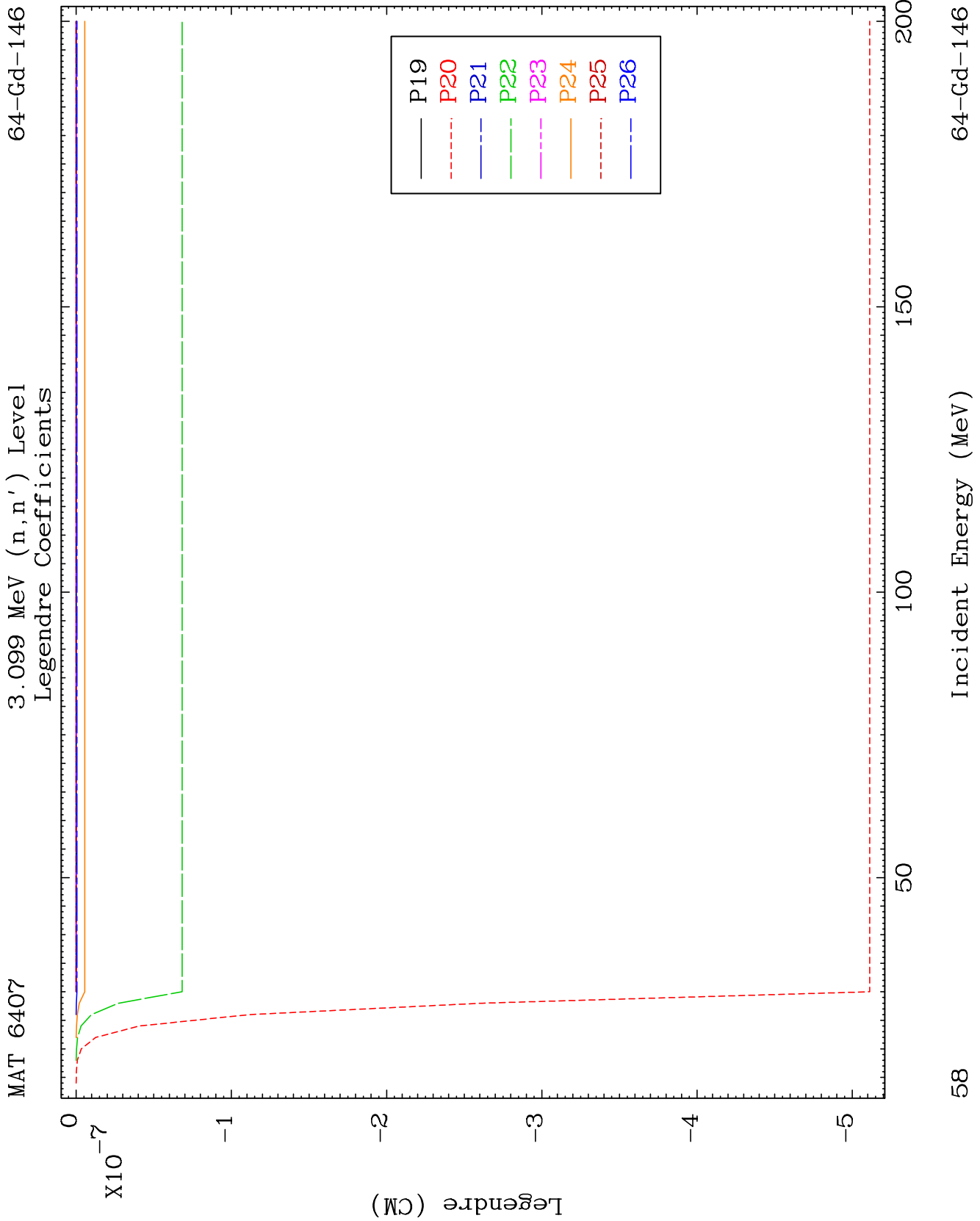
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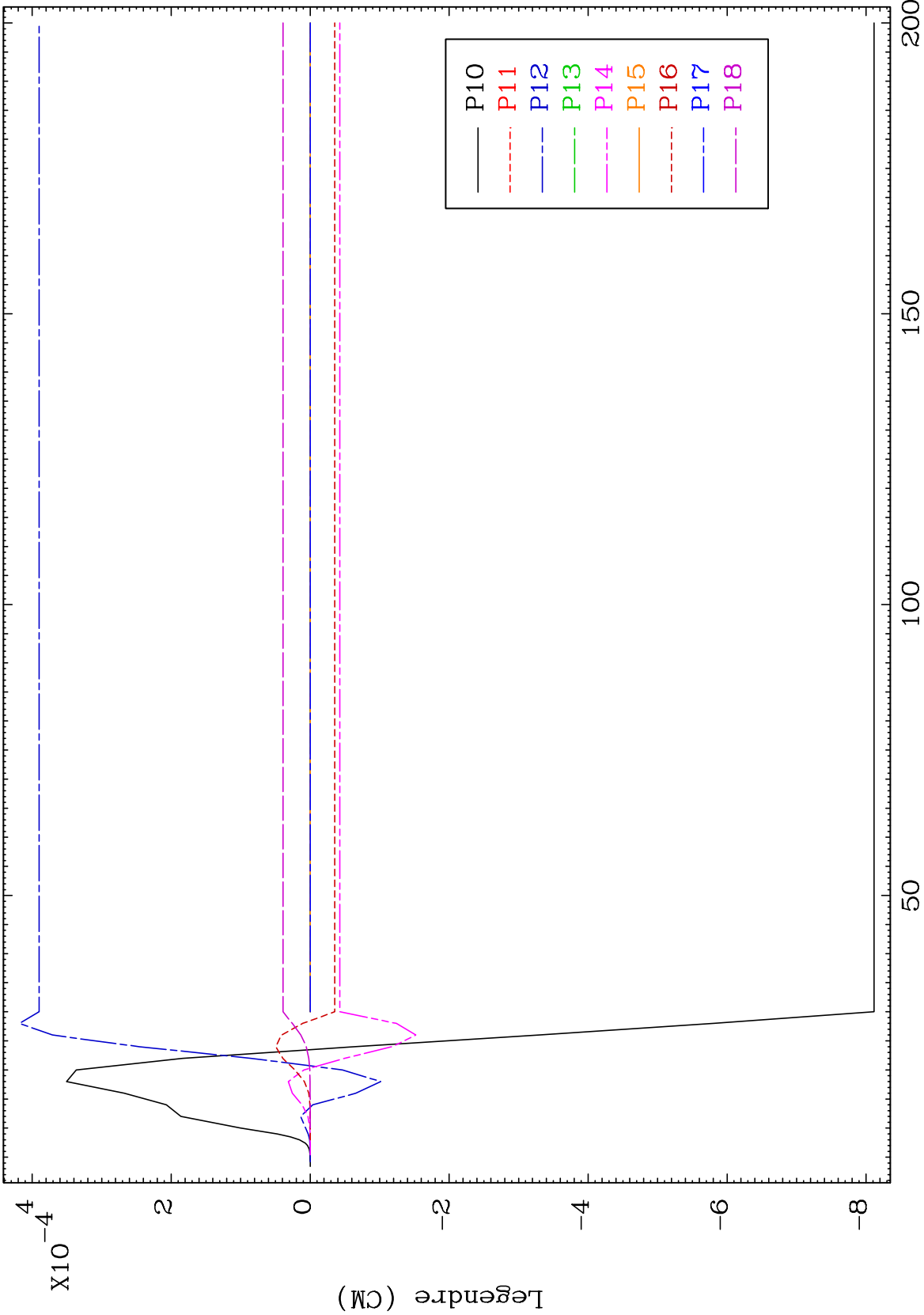




MAT 6407

3.182 MeV (n,n') Level  
Legendre Coefficients

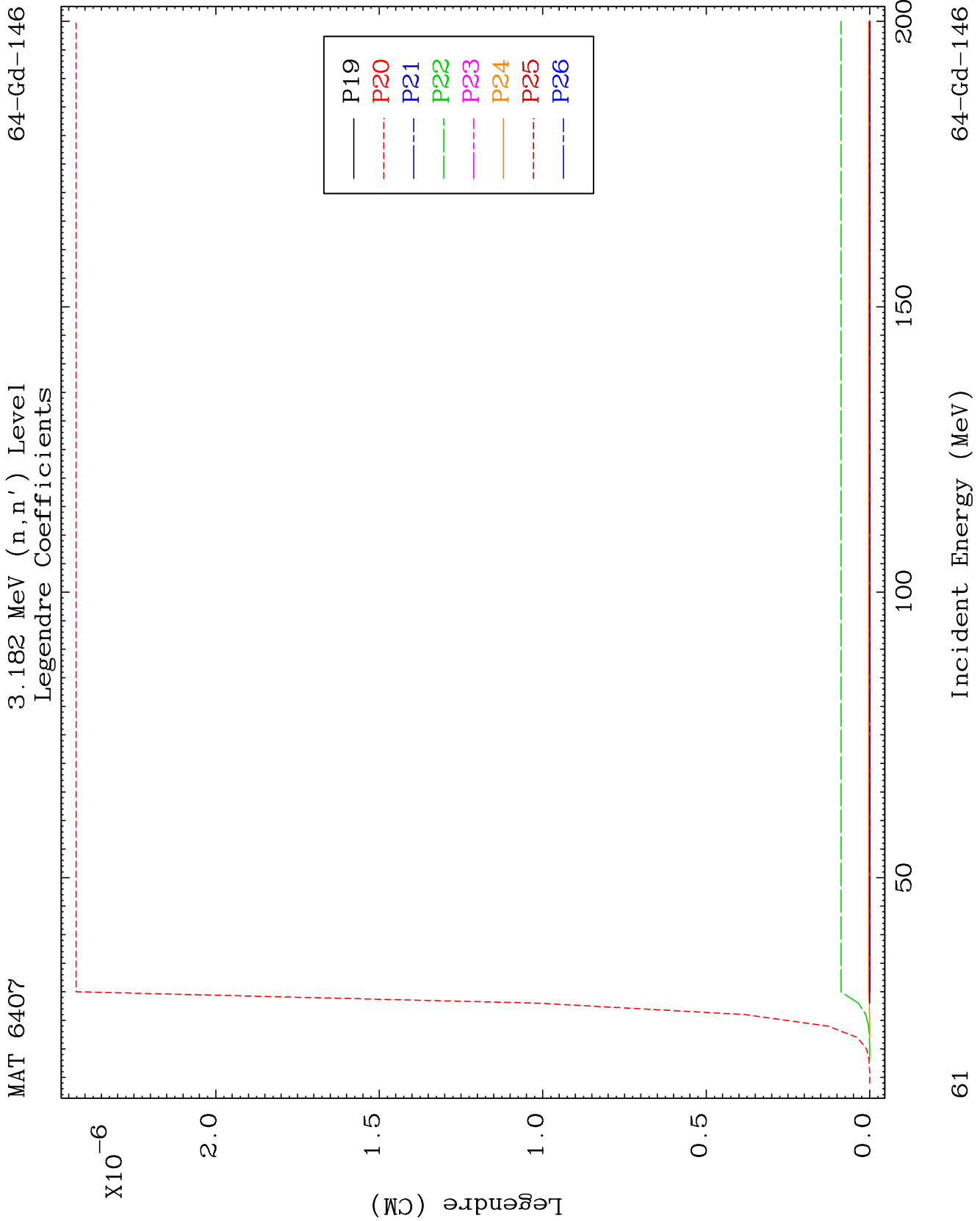
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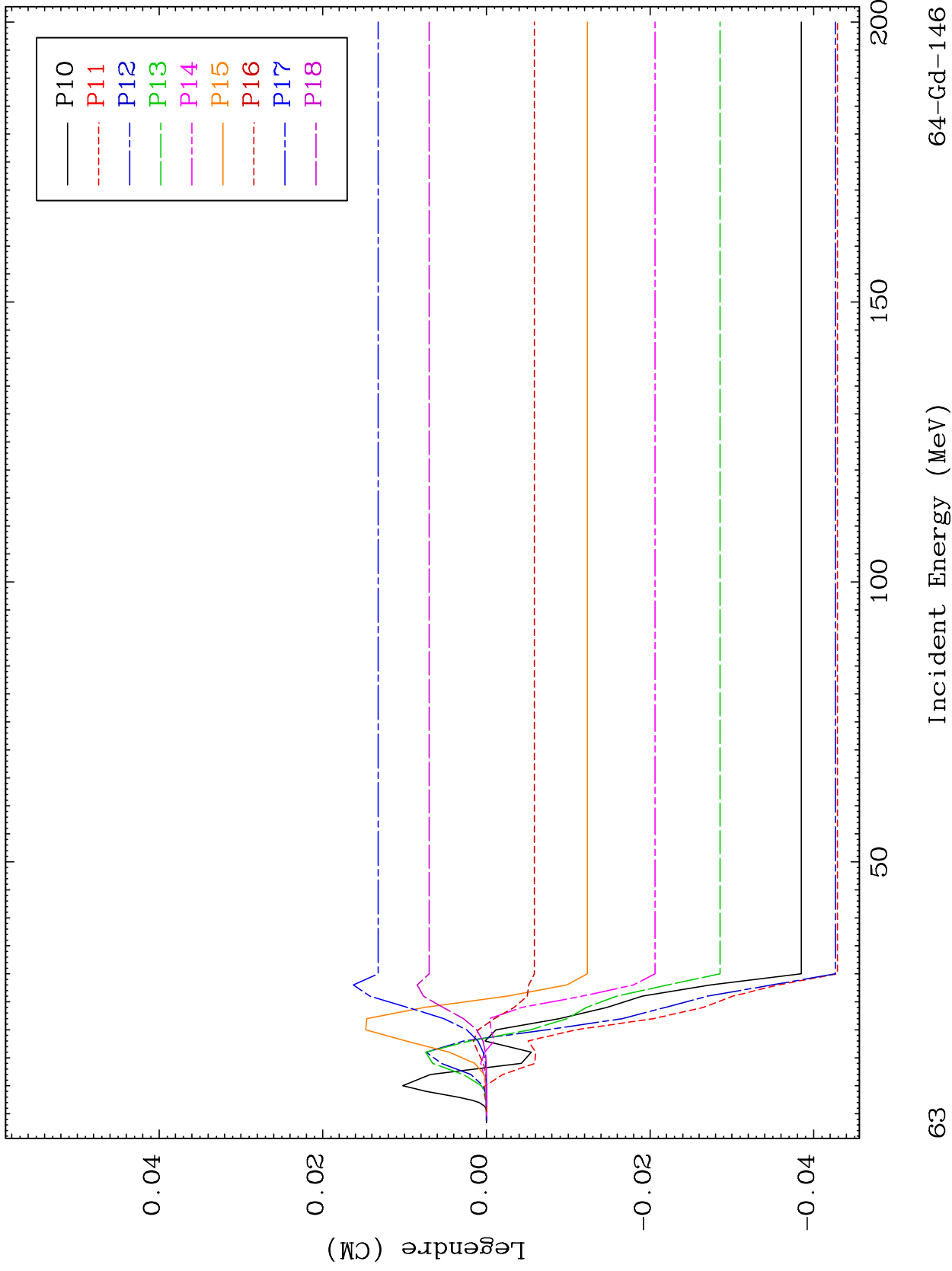
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Incident Energy (MeV)

64-Gd-146





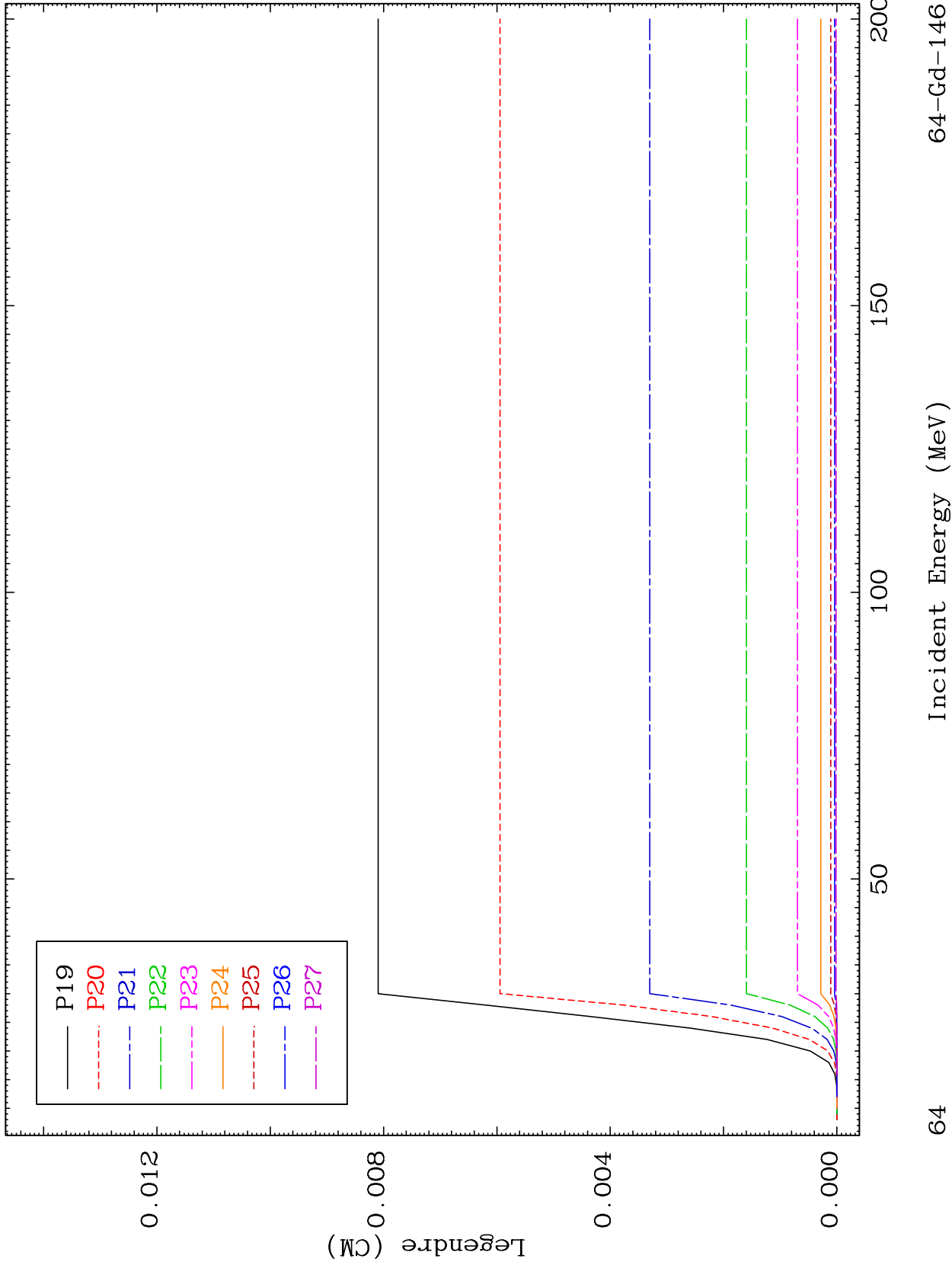




MAT 6407

3.190 MeV (n, n') Level  
Legendre Coefficients

64-Gd-146



64

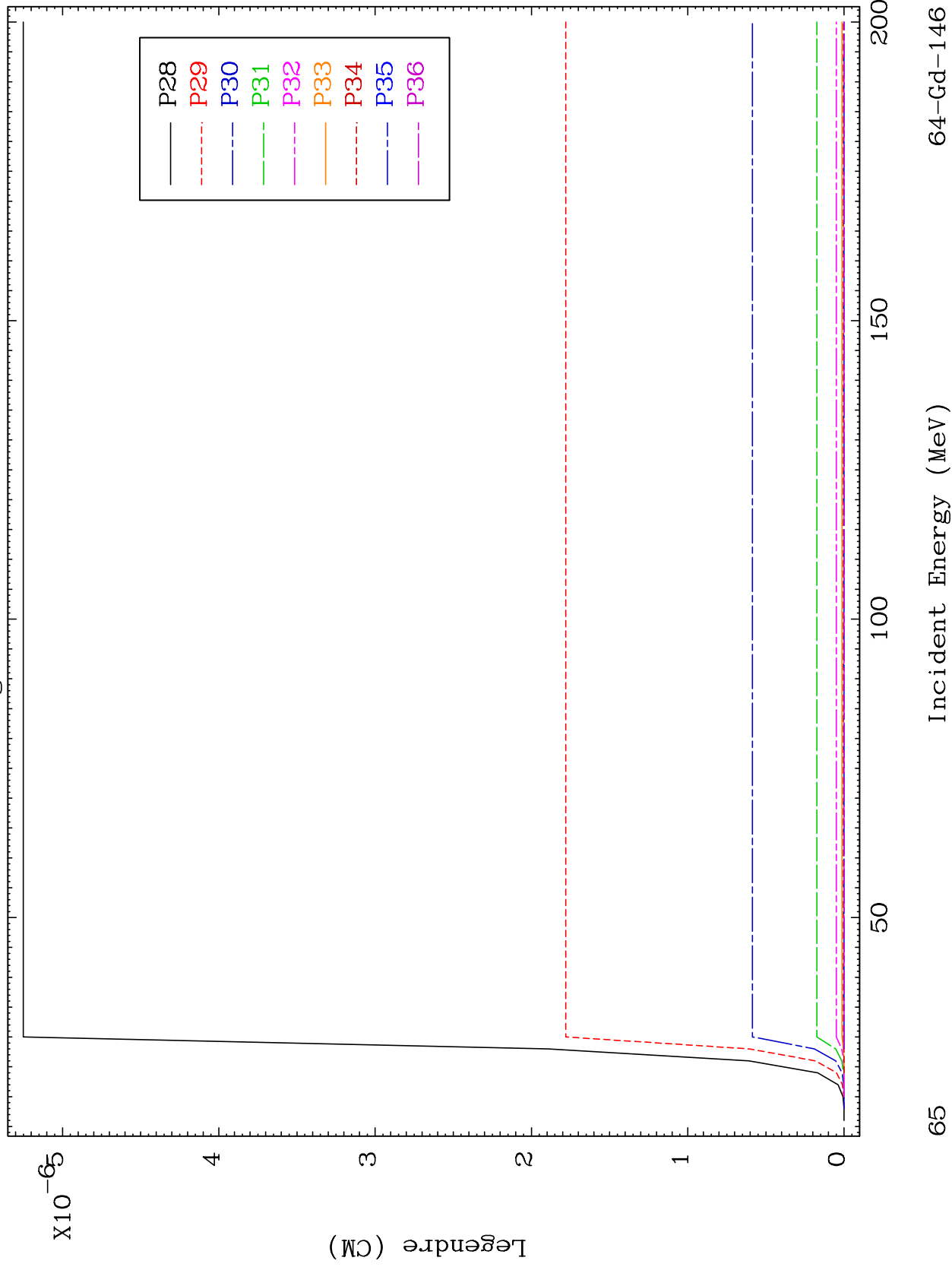
Incident Energy (MeV)

64-Gd-146

MAT 6407

3.190 MeV (n,n') Level  
Legendre Coefficients

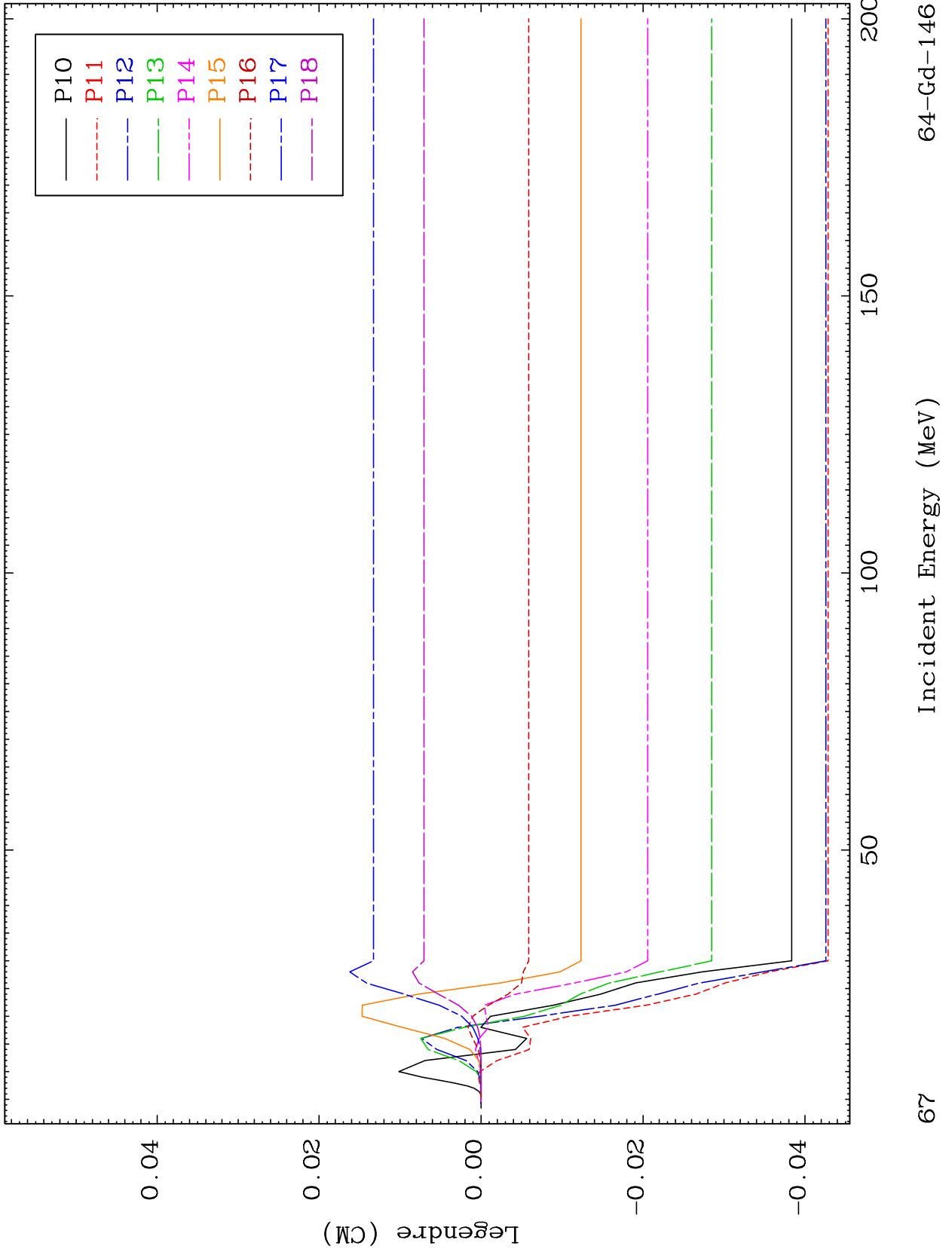
64-Gd-146



65

64-Gd-146

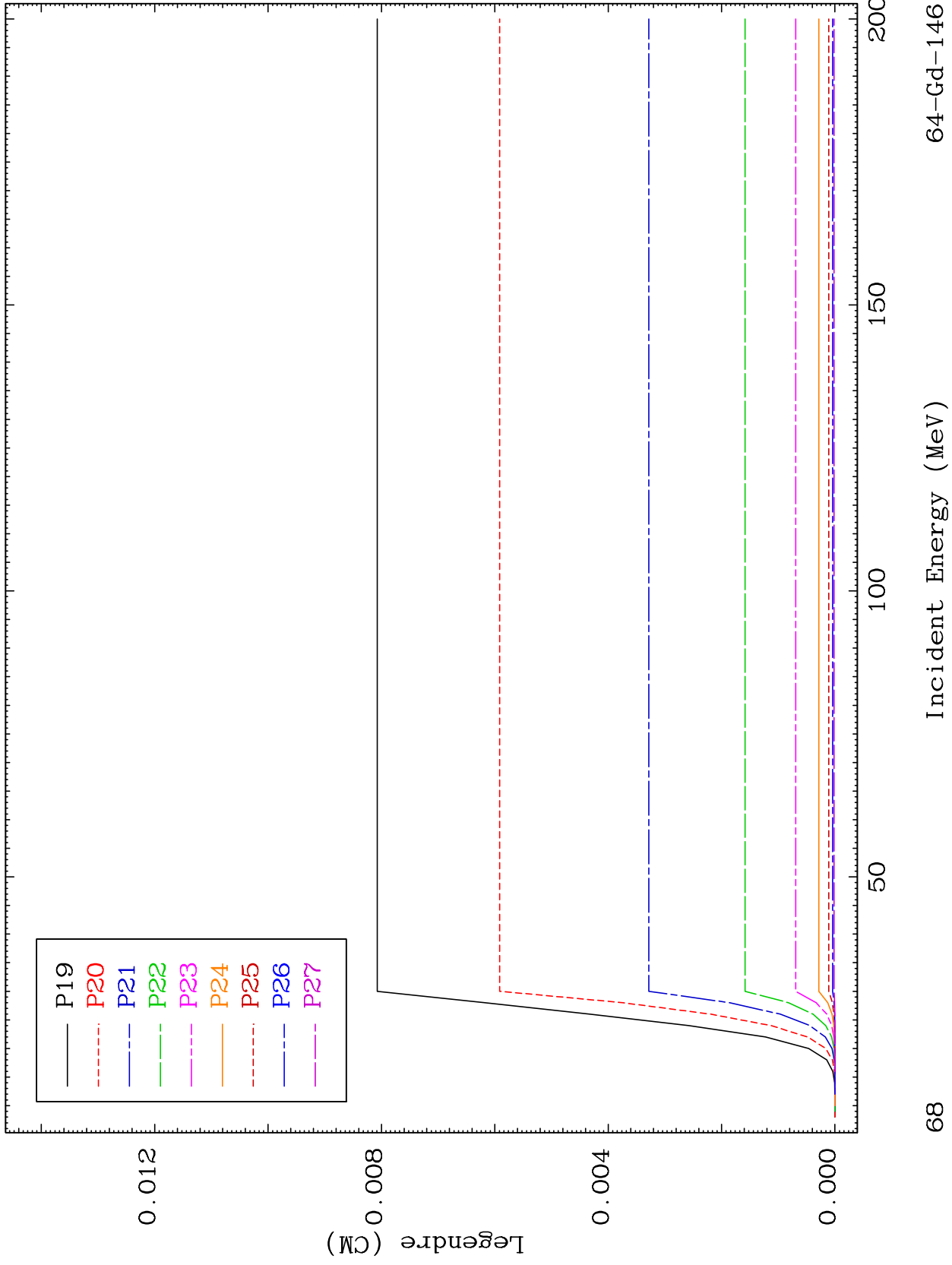




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3.238 MeV (n,n') Level  
Legendre Coefficients

64-Gd-146



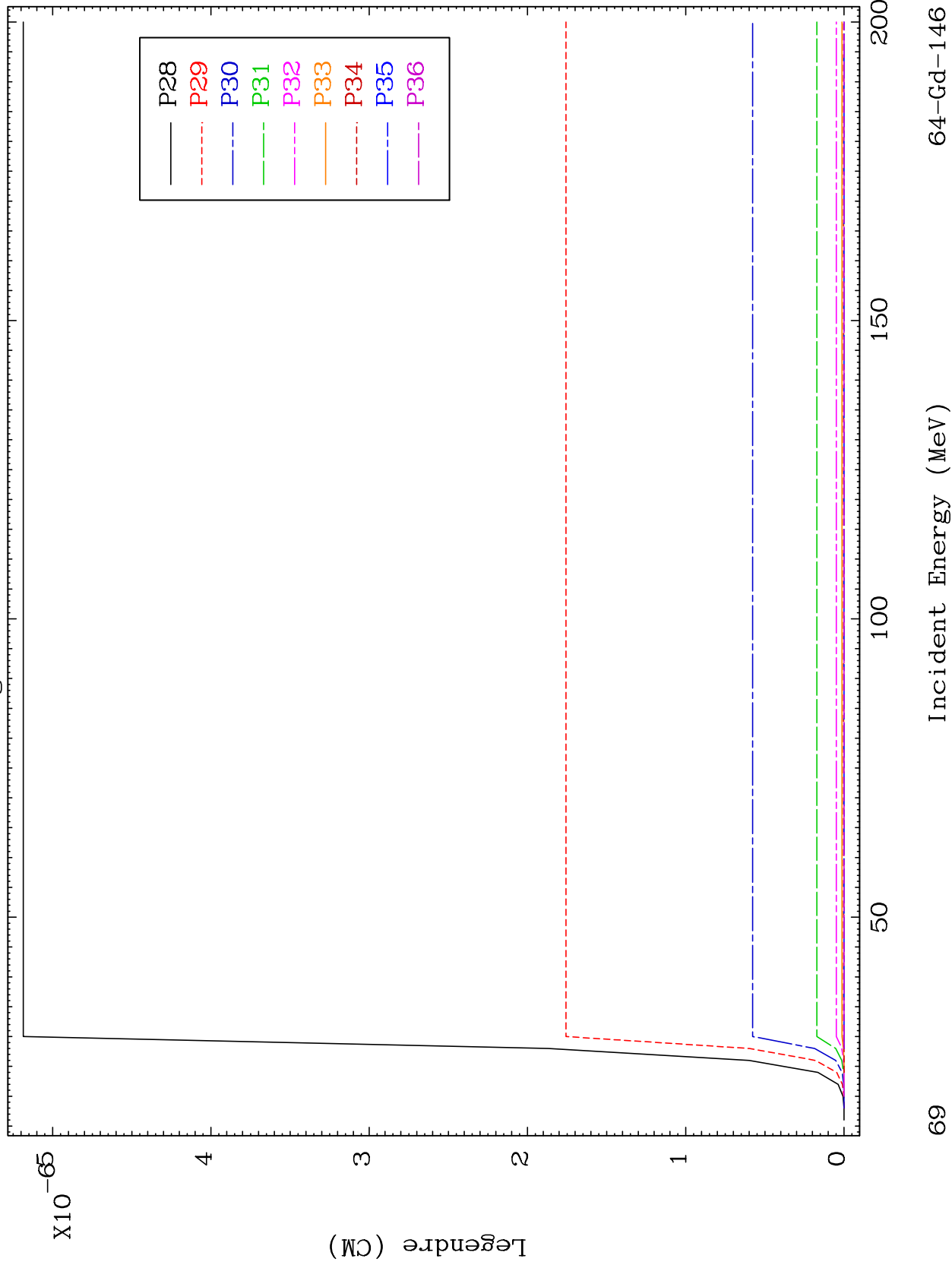
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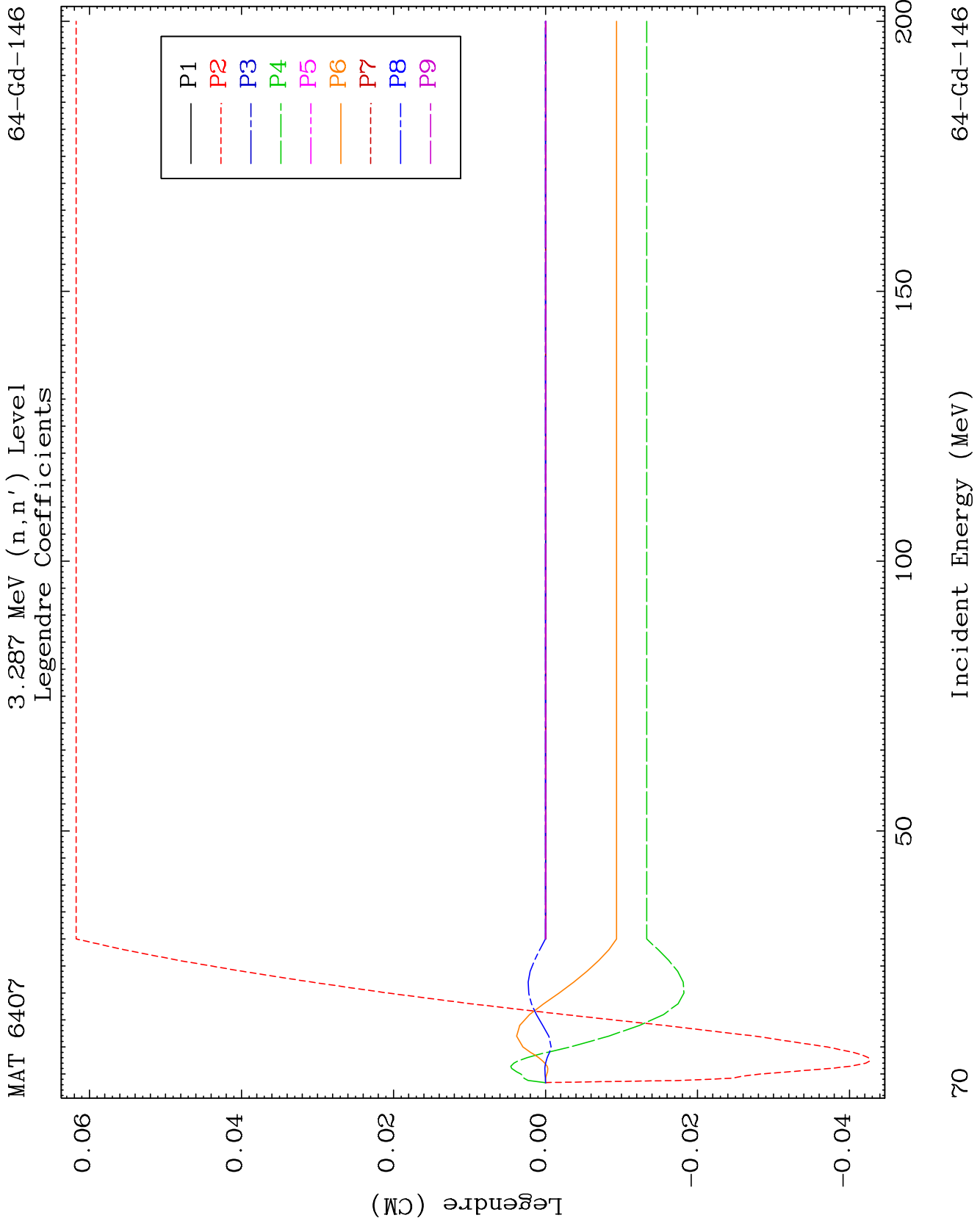
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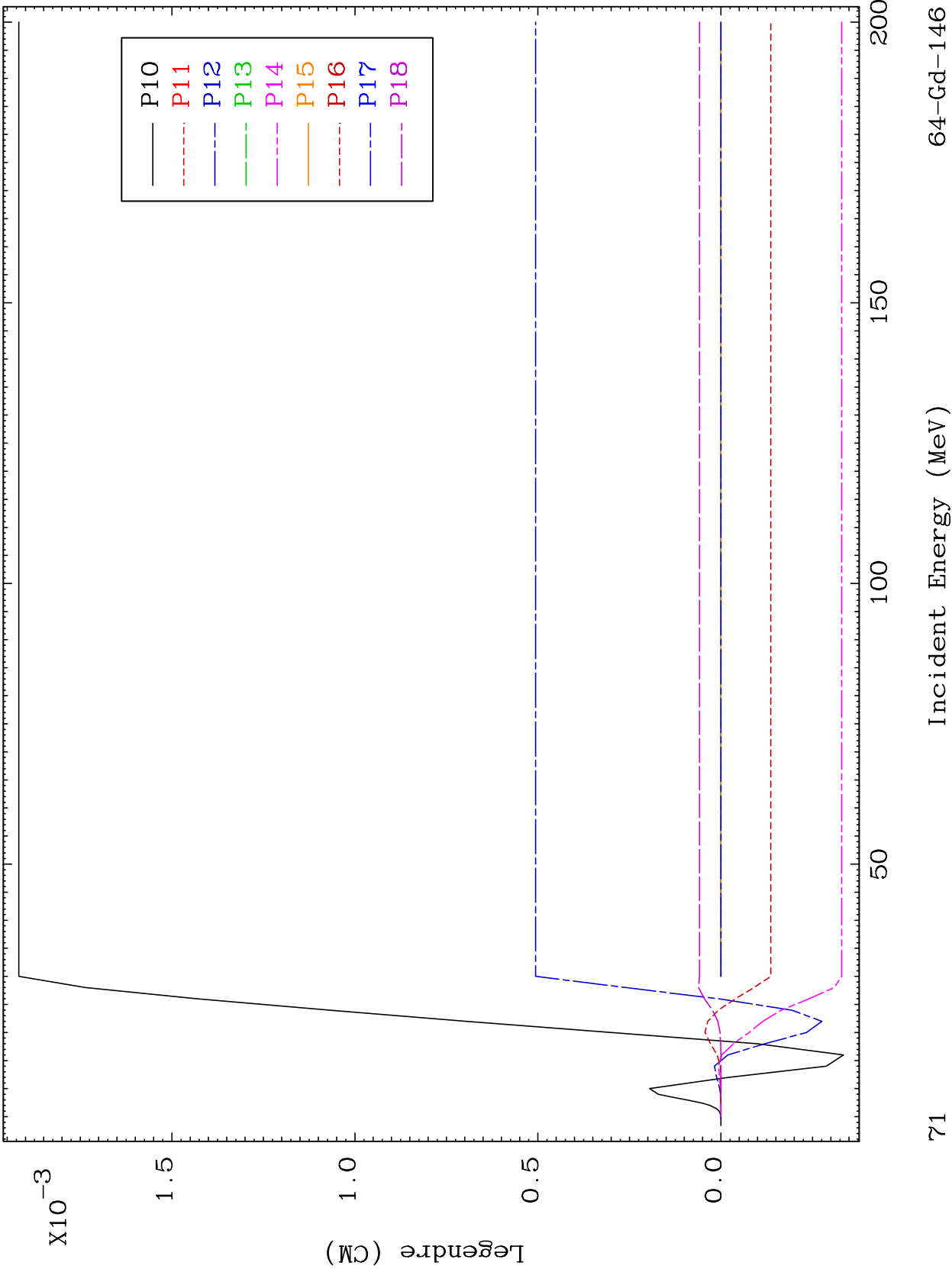
MAT 6407

3.238 MeV (n,n') Level  
Legendre Coefficients

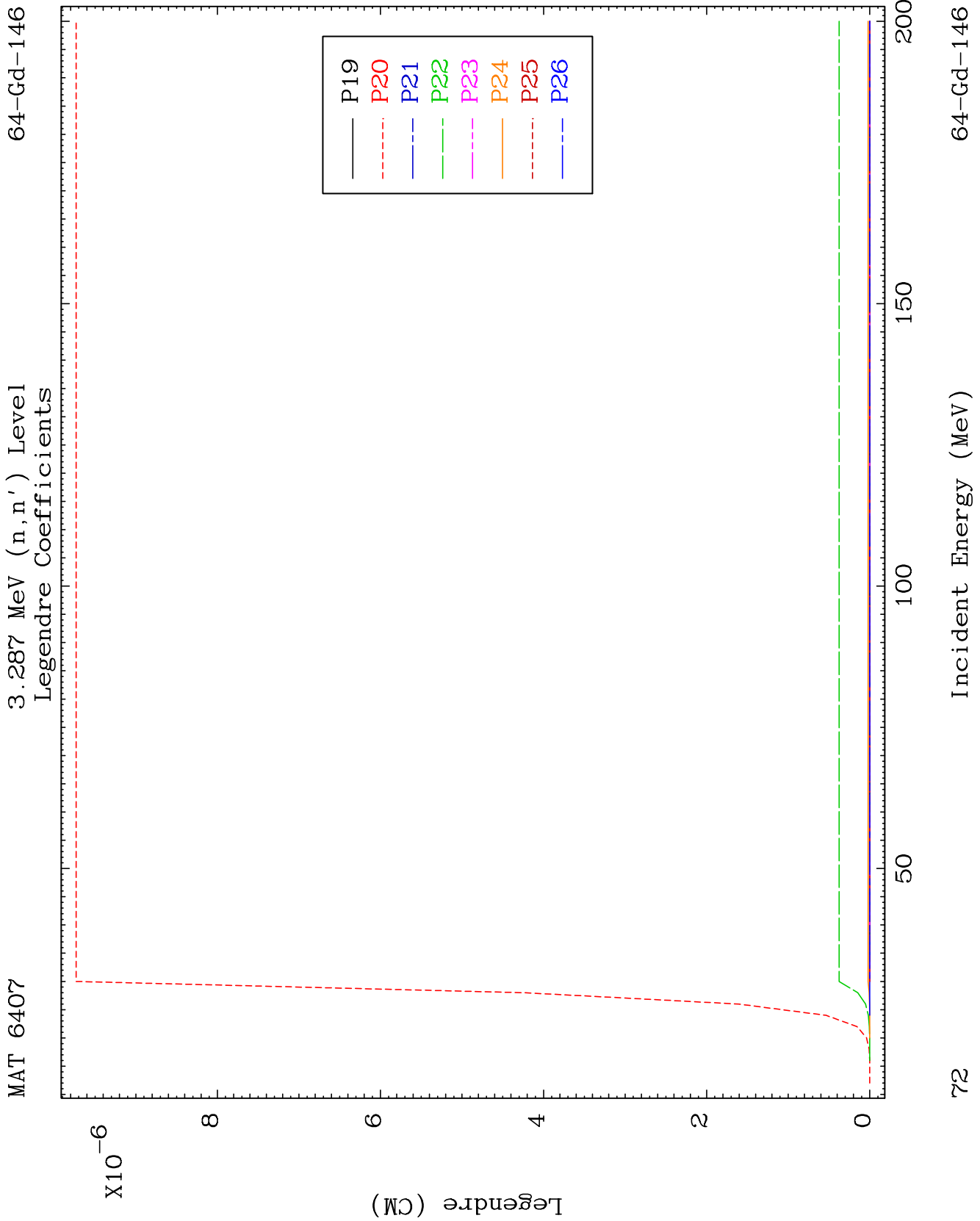
64-Gd-146







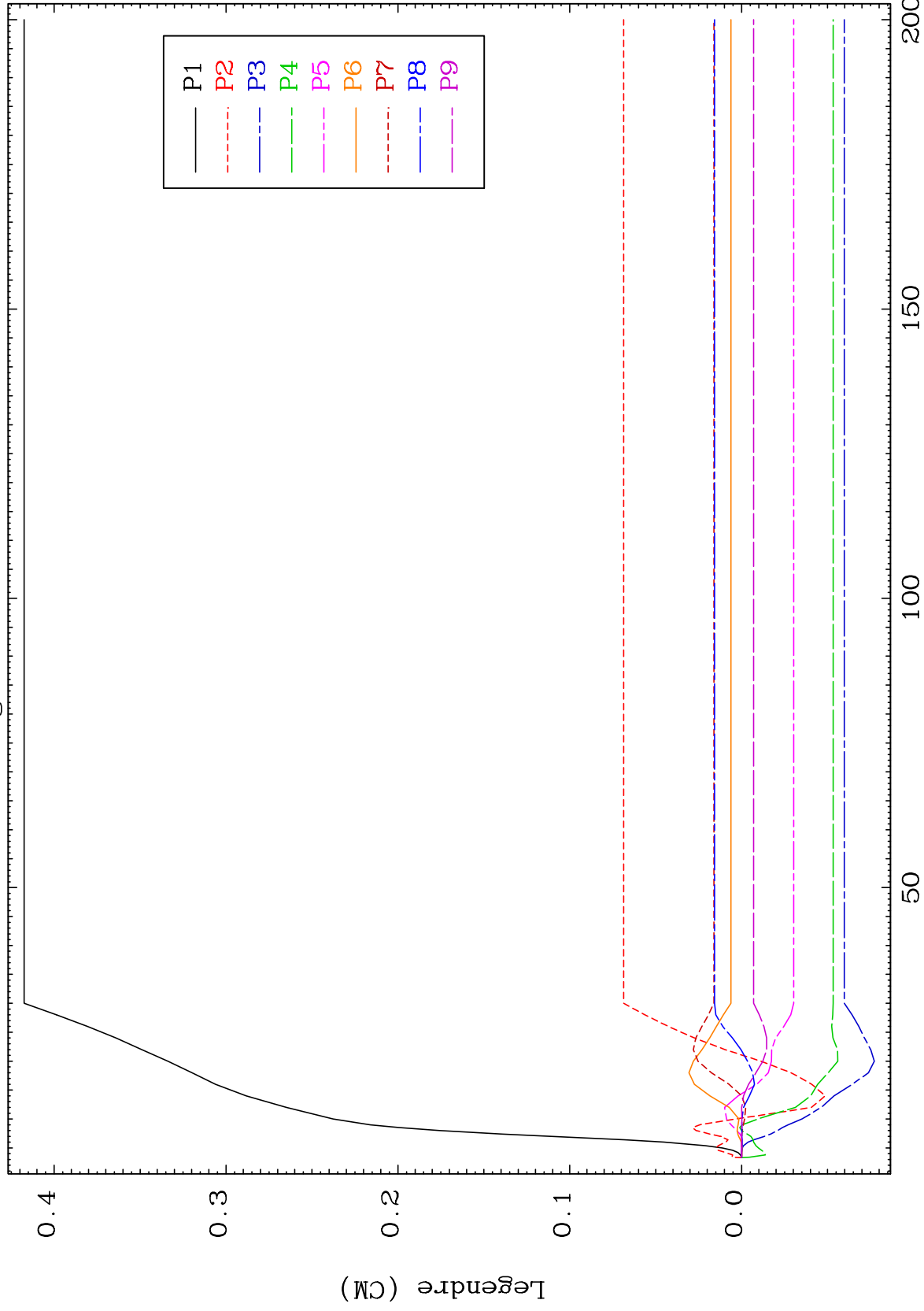




MAT 6407

3.290 MeV (n, n') Level  
Legendre Coefficients

64-Gd-146



73

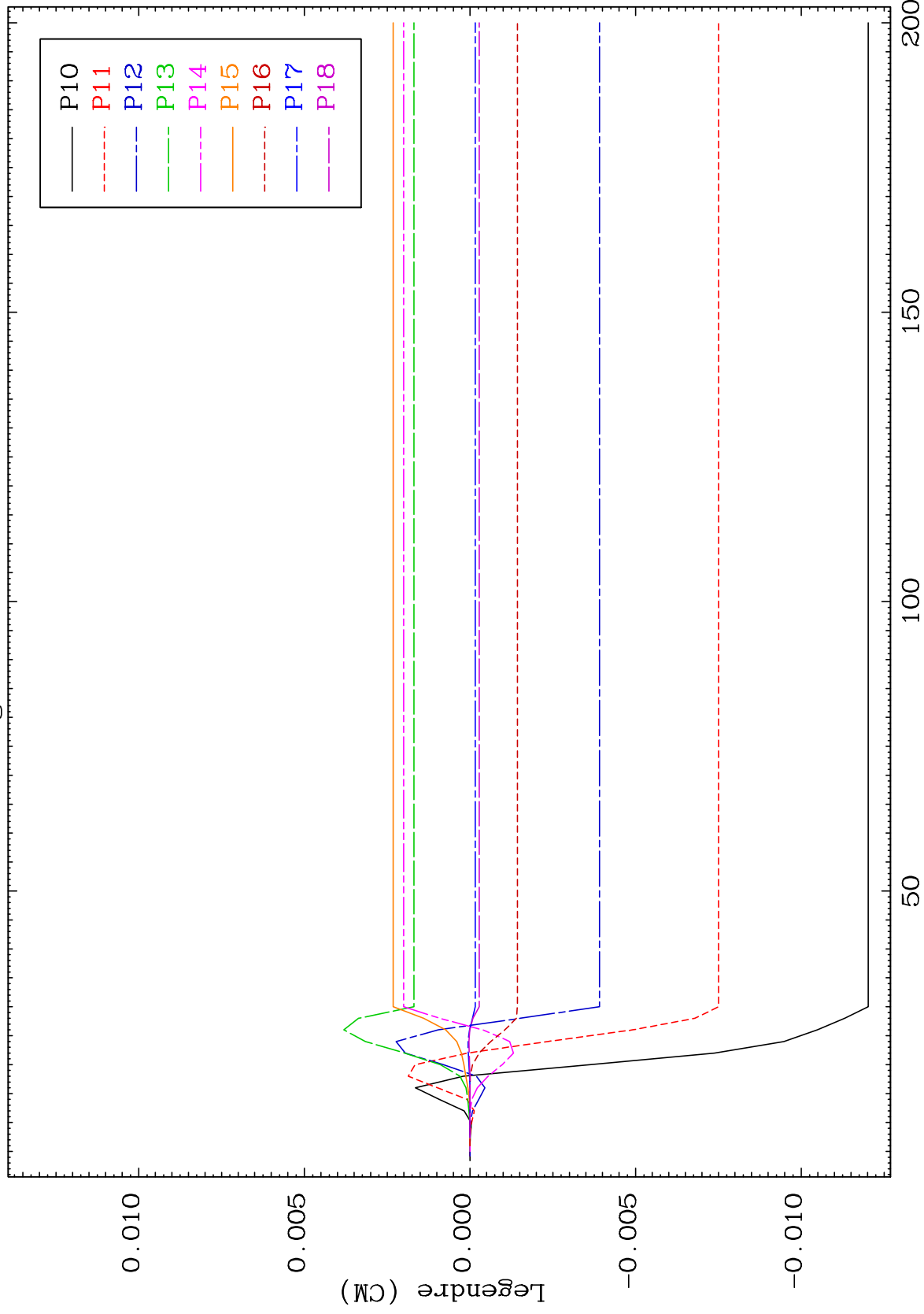
Incident Energy (MeV)

64-Gd-146

MAT 6407

3.290 MeV (n,n') Level  
Legendre Coefficients

64-Gd-146



74

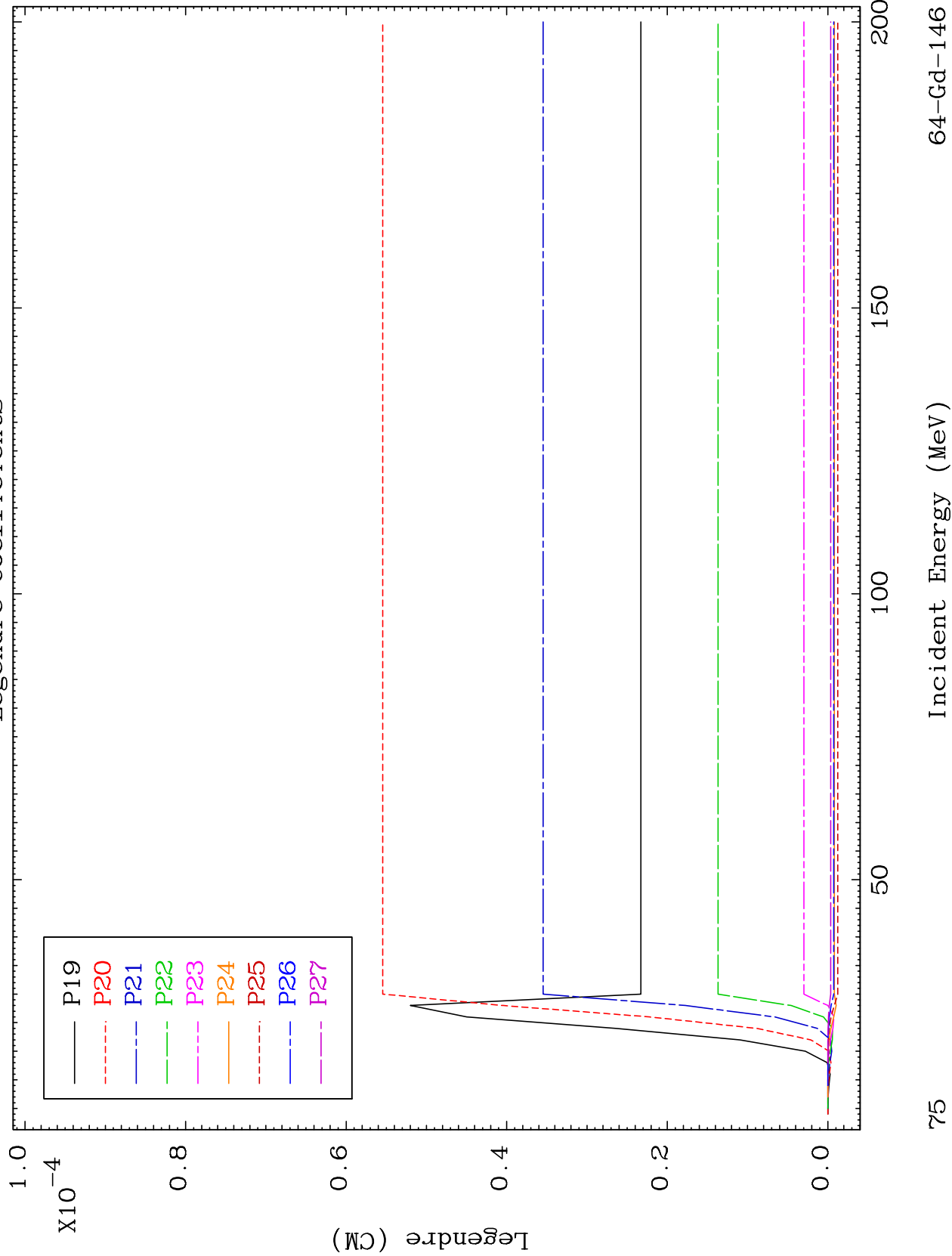
Incident Energy (MeV)

64-Gd-146

MAT 6407

3.290 MeV (n, n') Level  
Legendre Coefficients

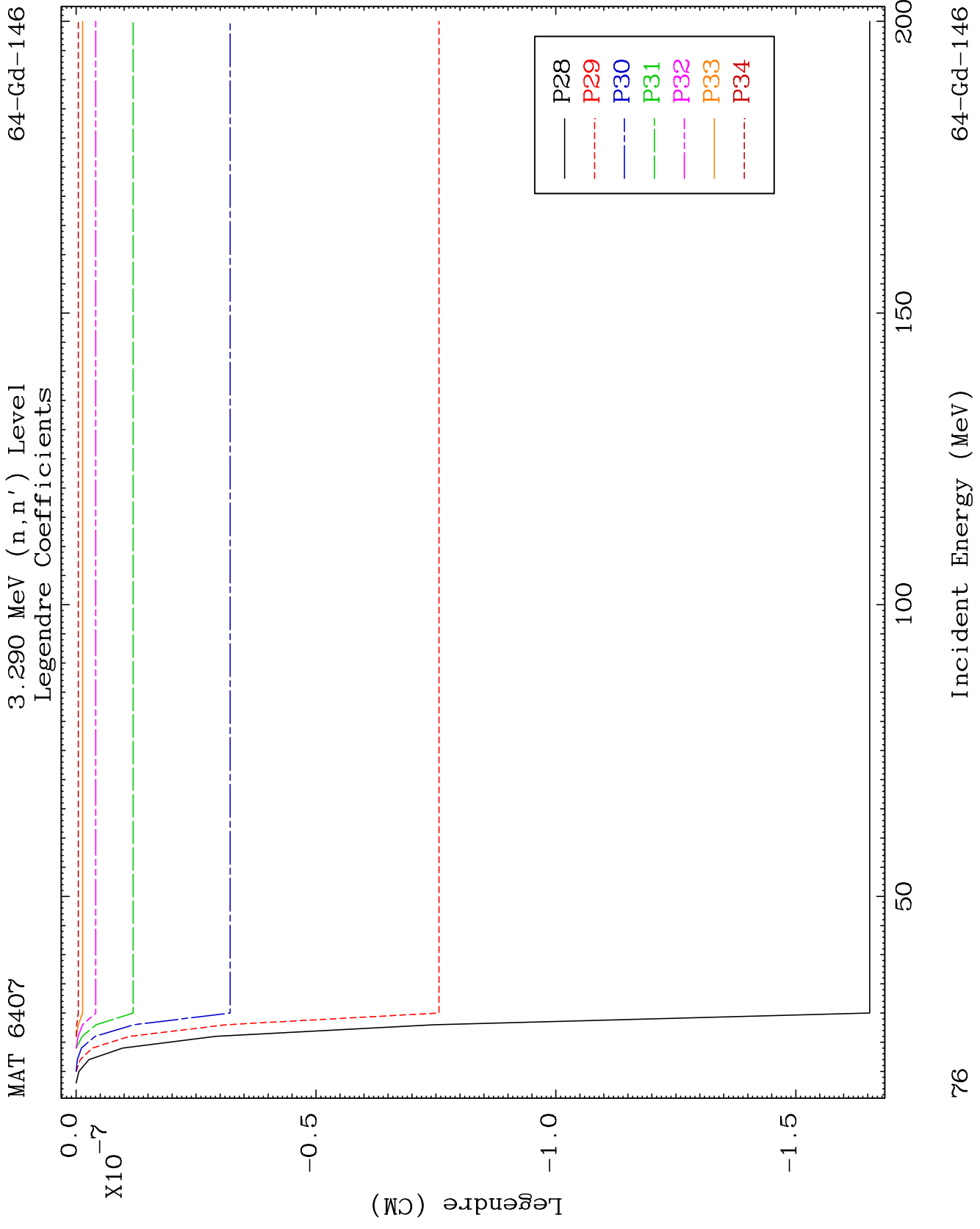
64-Gd-146



75

Incident Energy (MeV)

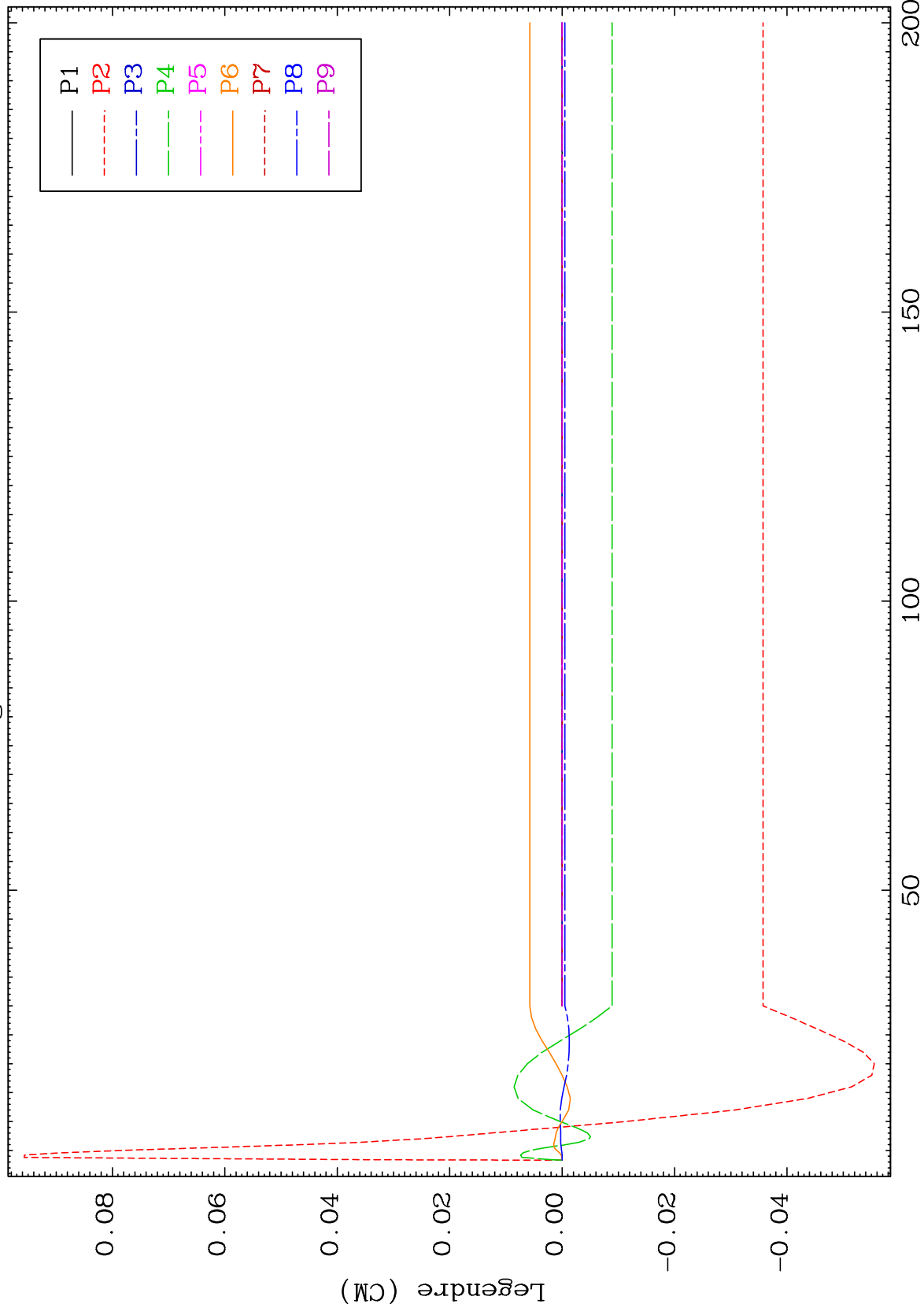
64-Gd-146



MAT 6407

3.293 MeV (n,n') Level  
Legendre Coefficients

64-Gd-146



77

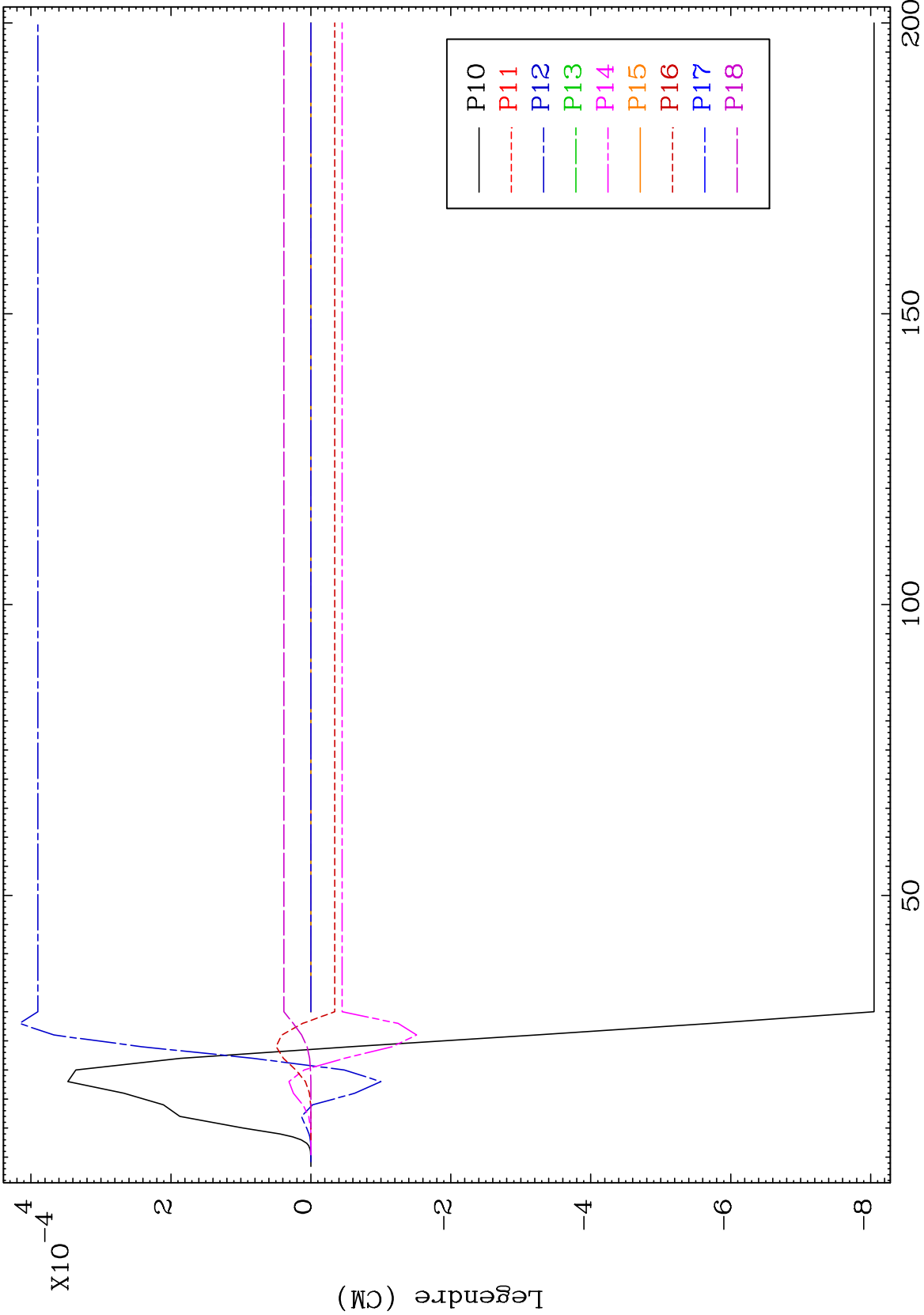
Incident Energy (MeV)

64-Gd-146

MAT 6407

3.293 MeV (n,n') Level  
Legendre Coefficients

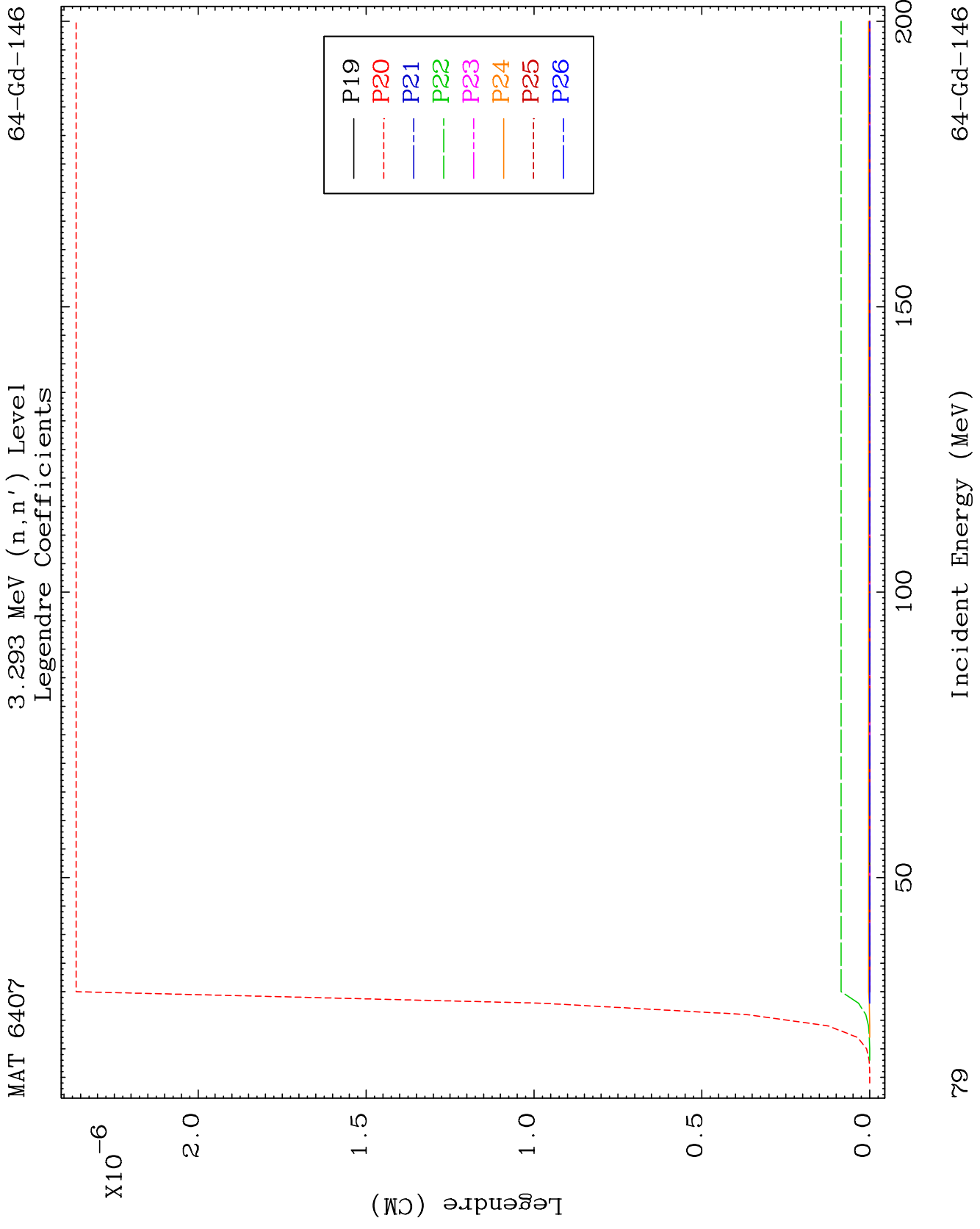
64-Gd-146



78

Incident Energy (MeV)

64-Gd-146

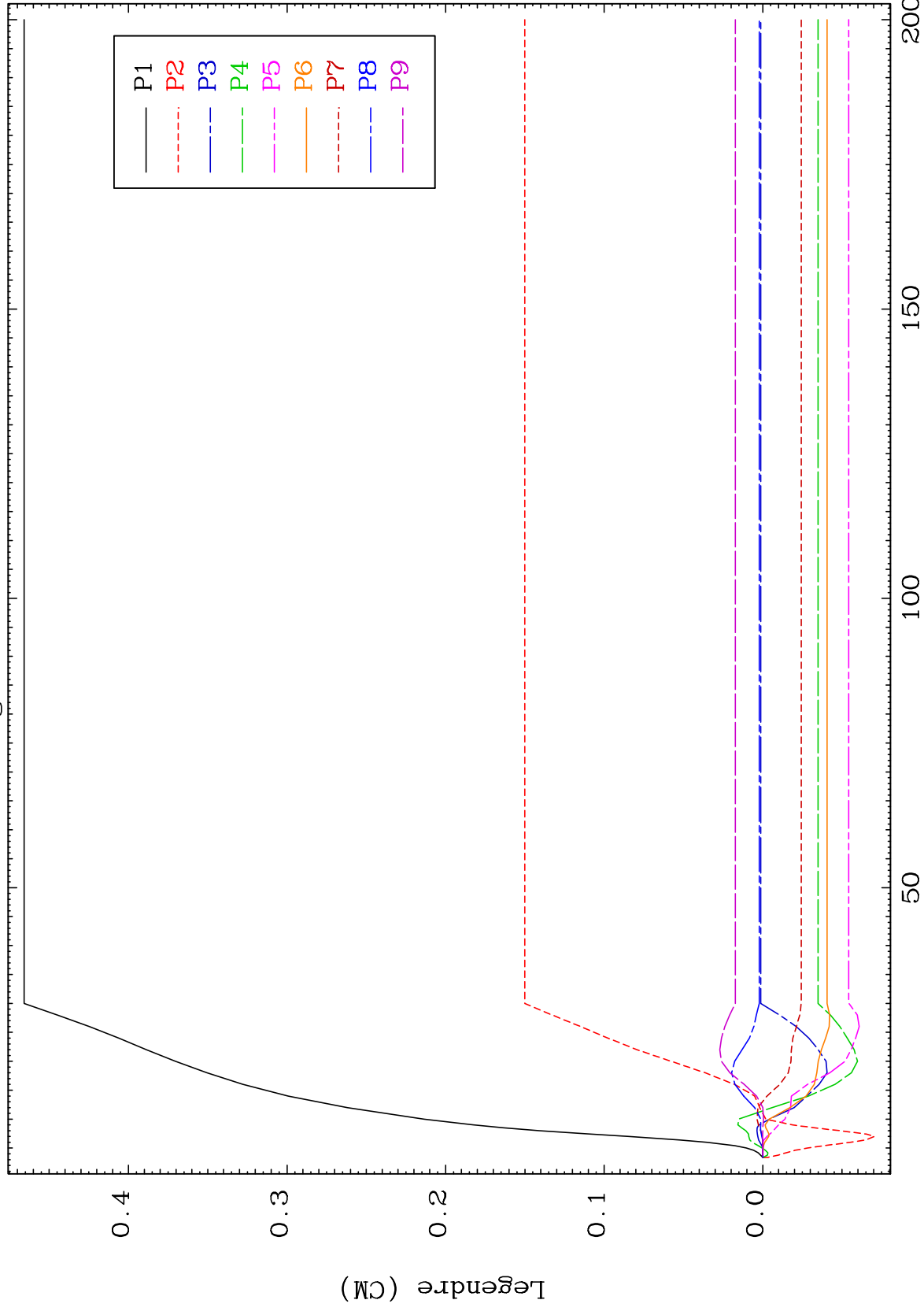




MAT 6407

3.313 MeV (n,n') Level  
Legendre Coefficients

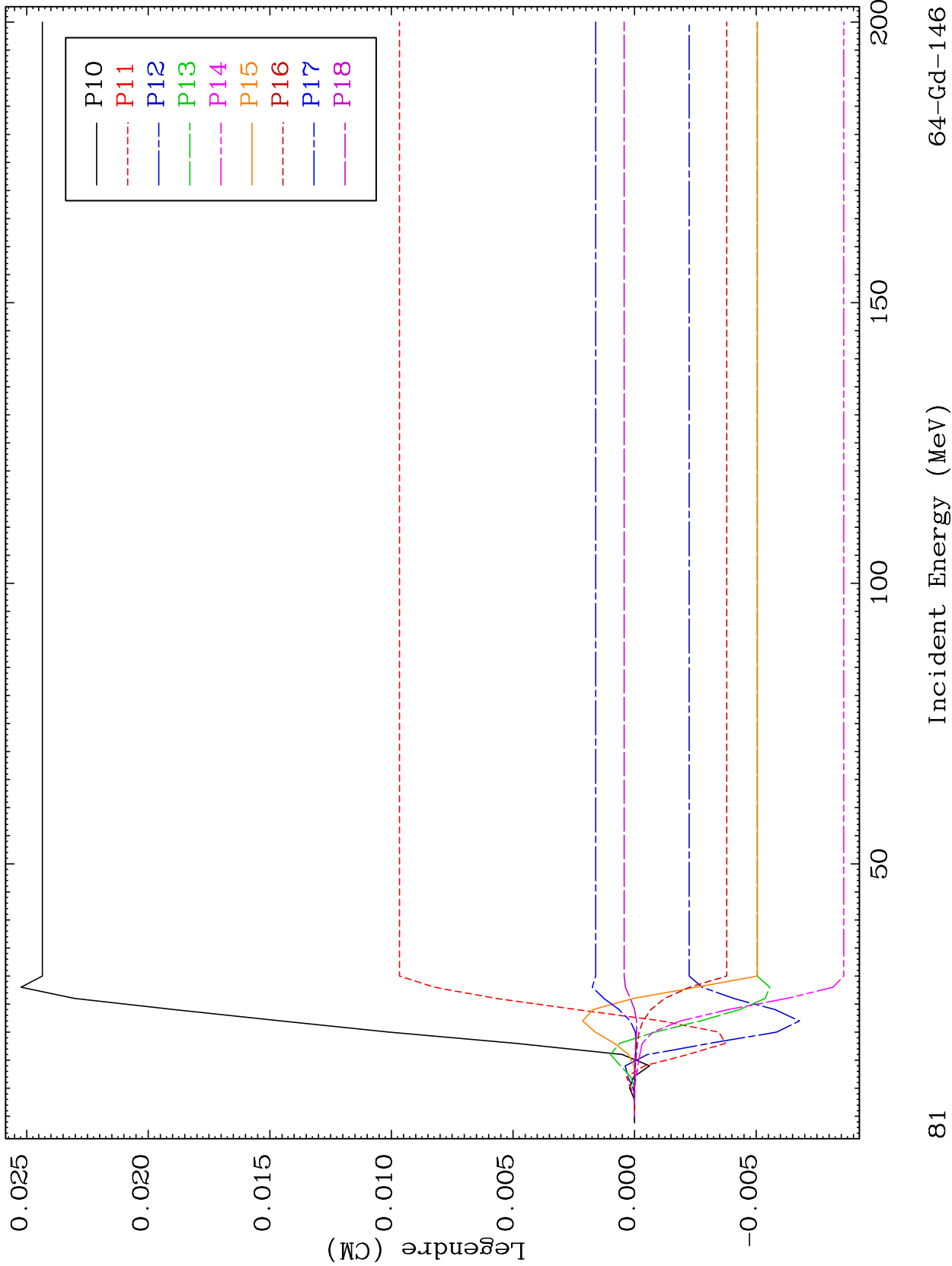
64-Gd-146

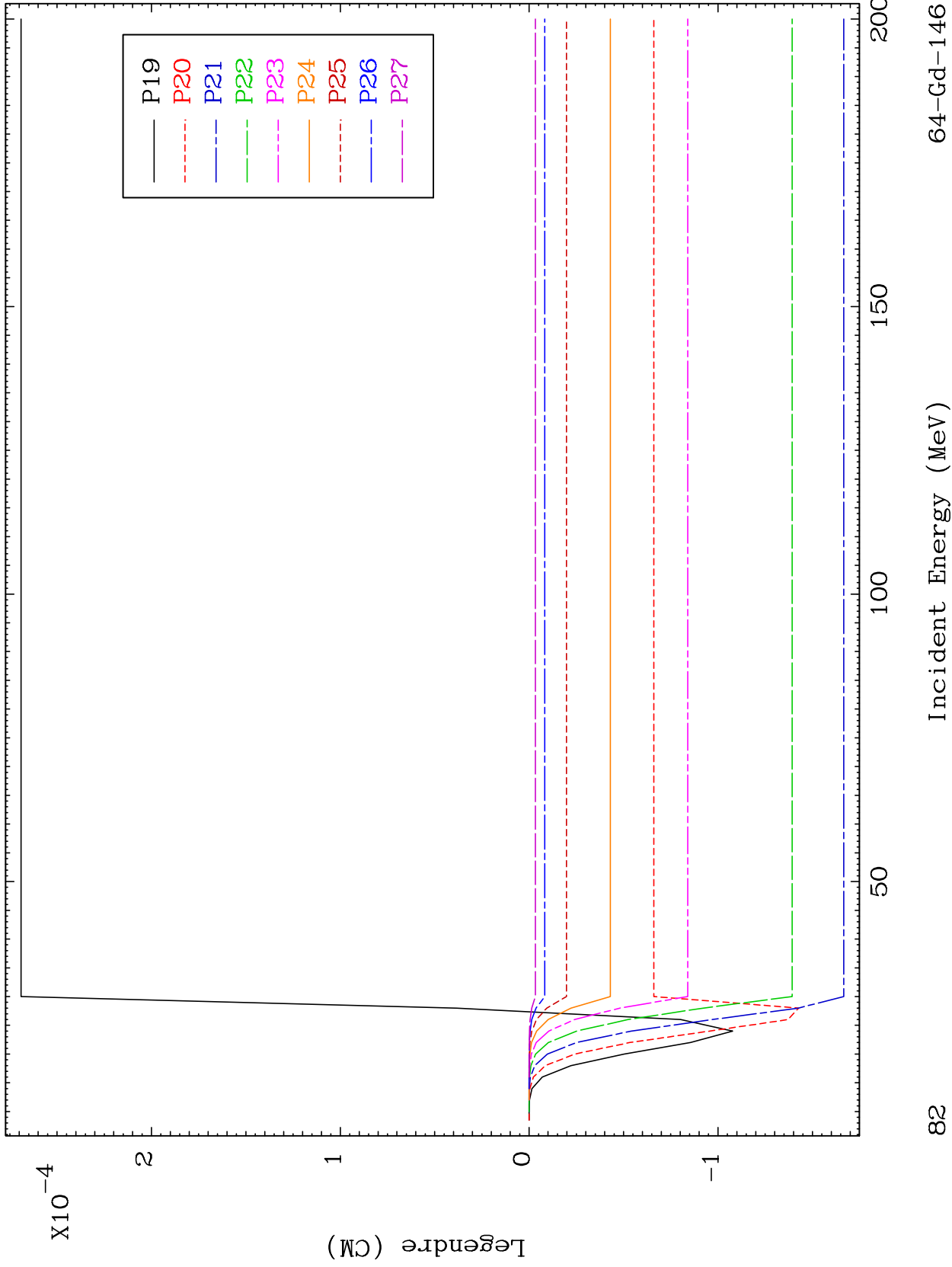


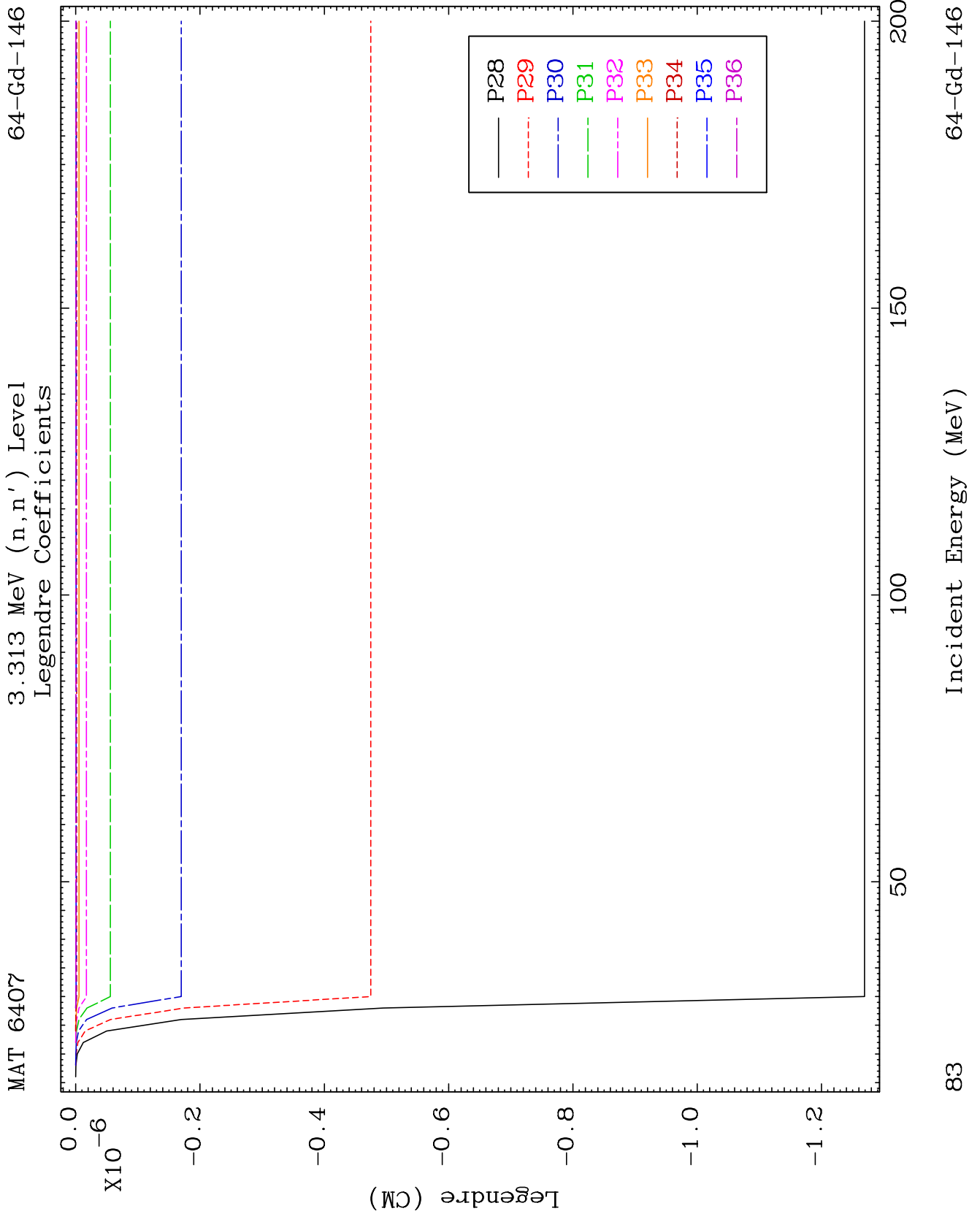
80

Incident Energy (MeV)

64-Gd-146



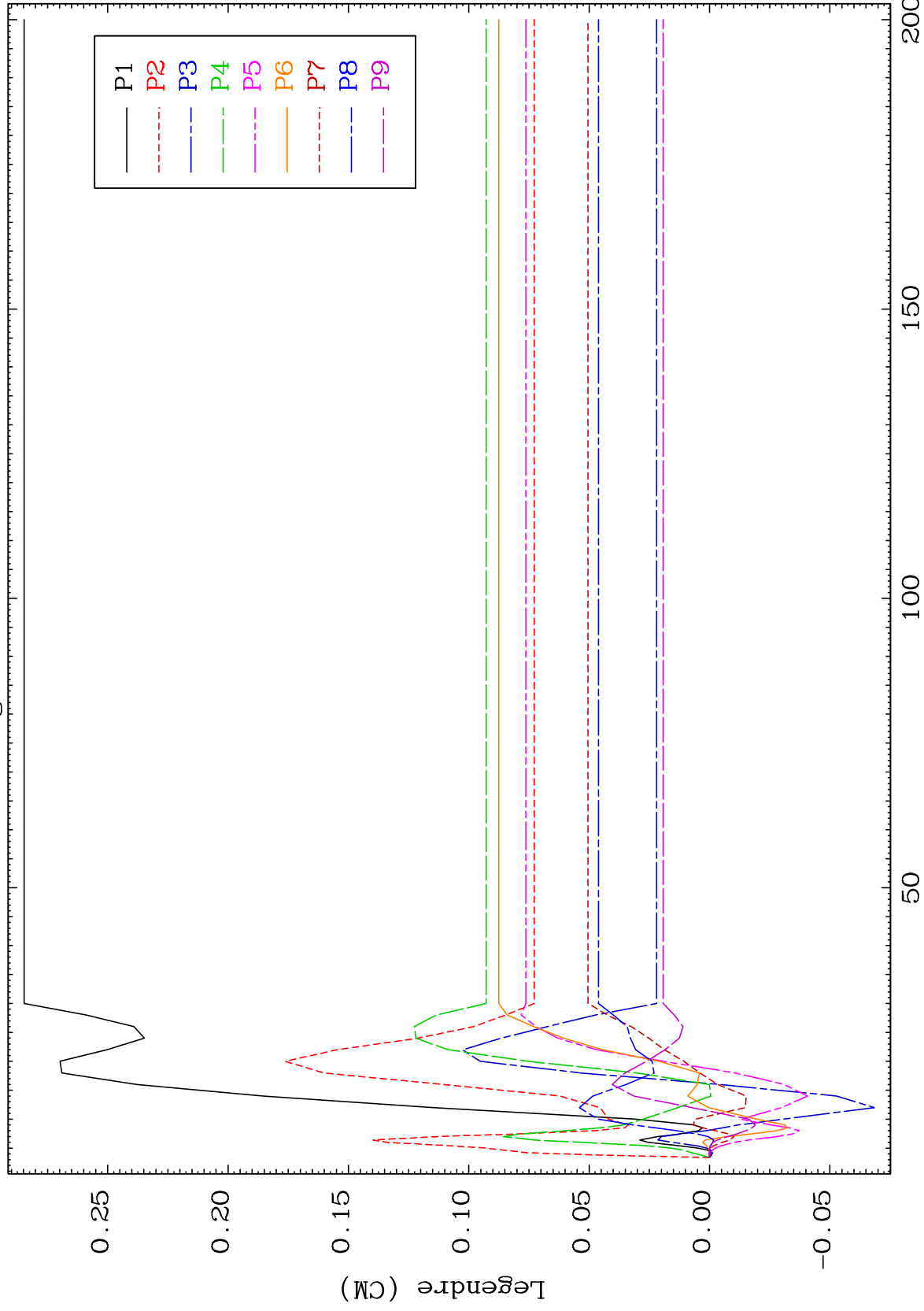




MAT 6407

3.320 MeV (n,n') Level  
Legendre Coefficients

64-Gd-146



84

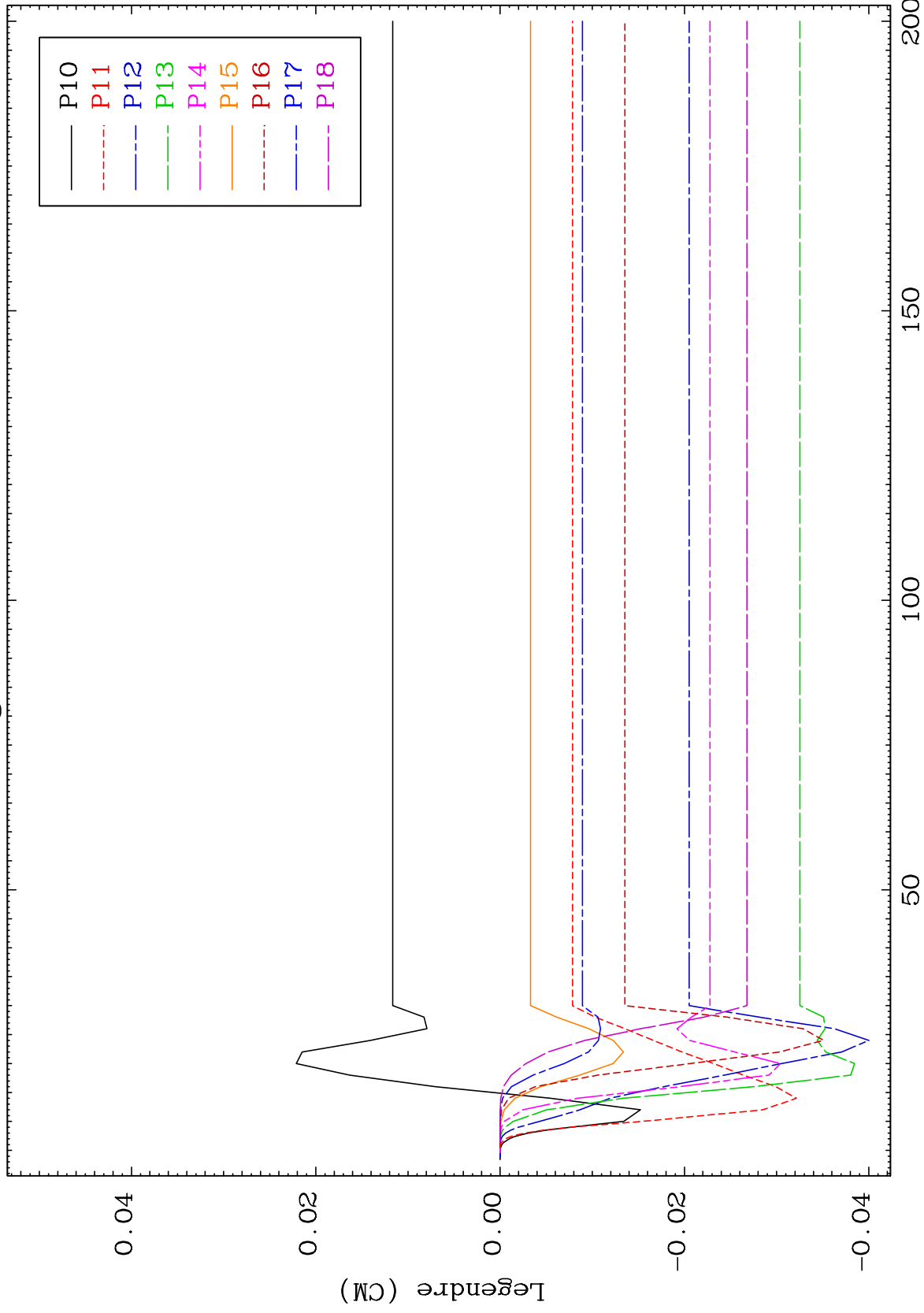
Incident Energy (MeV)

64-Gd-146

MAT 6407

3.320 MeV (n,n') Level  
Legendre Coefficients

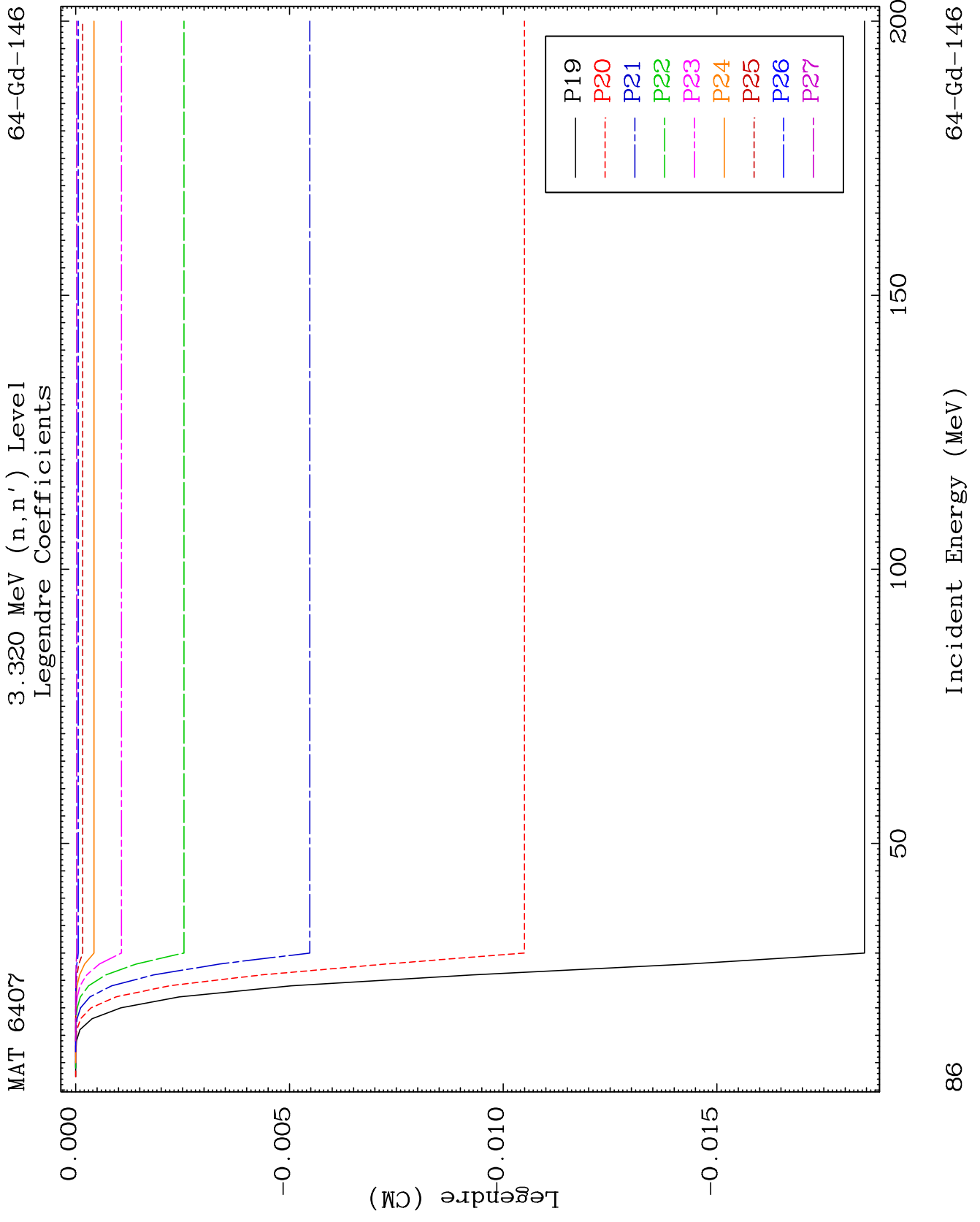
64-Gd-146

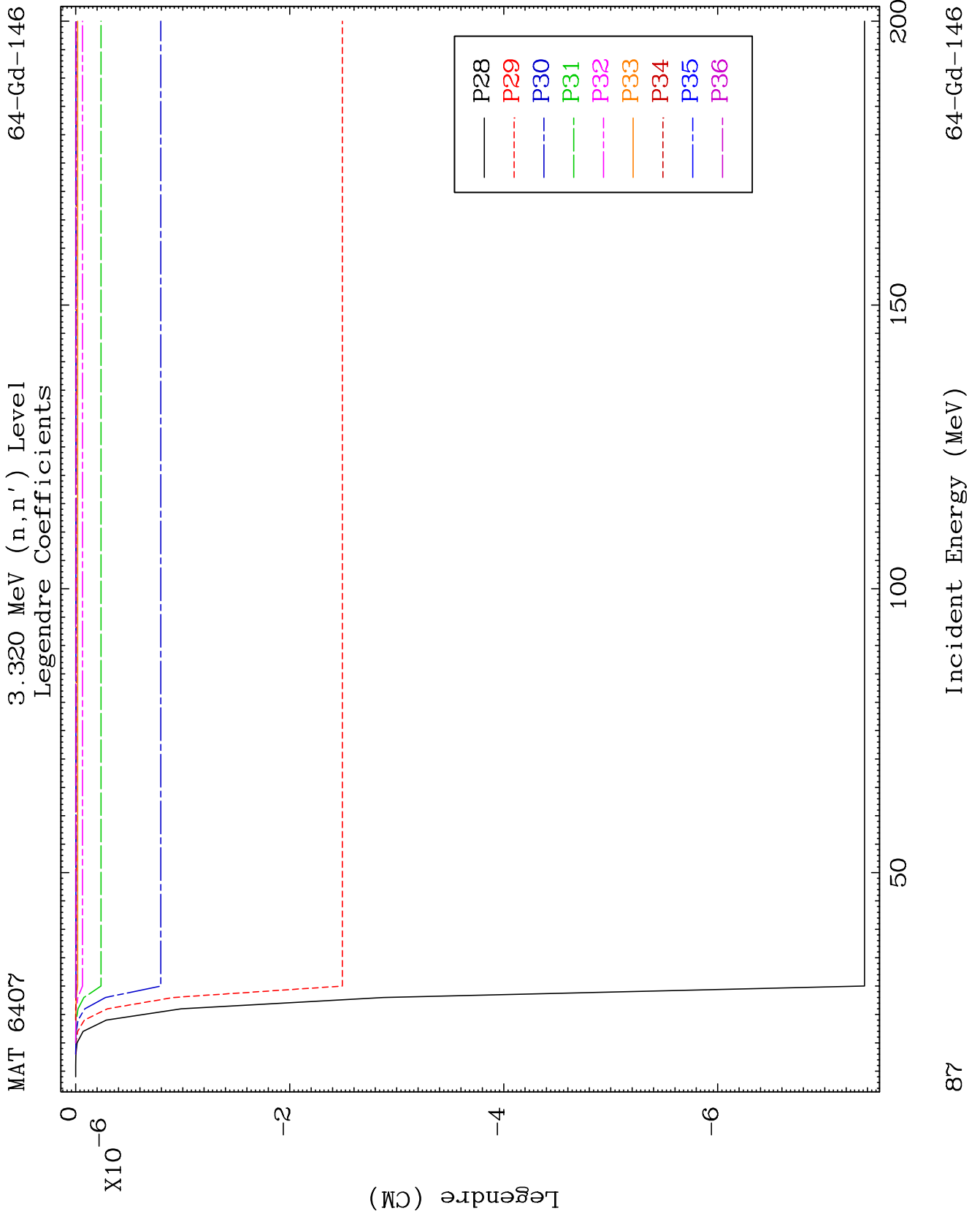


85

Incident Energy (MeV)

64-Gd-146



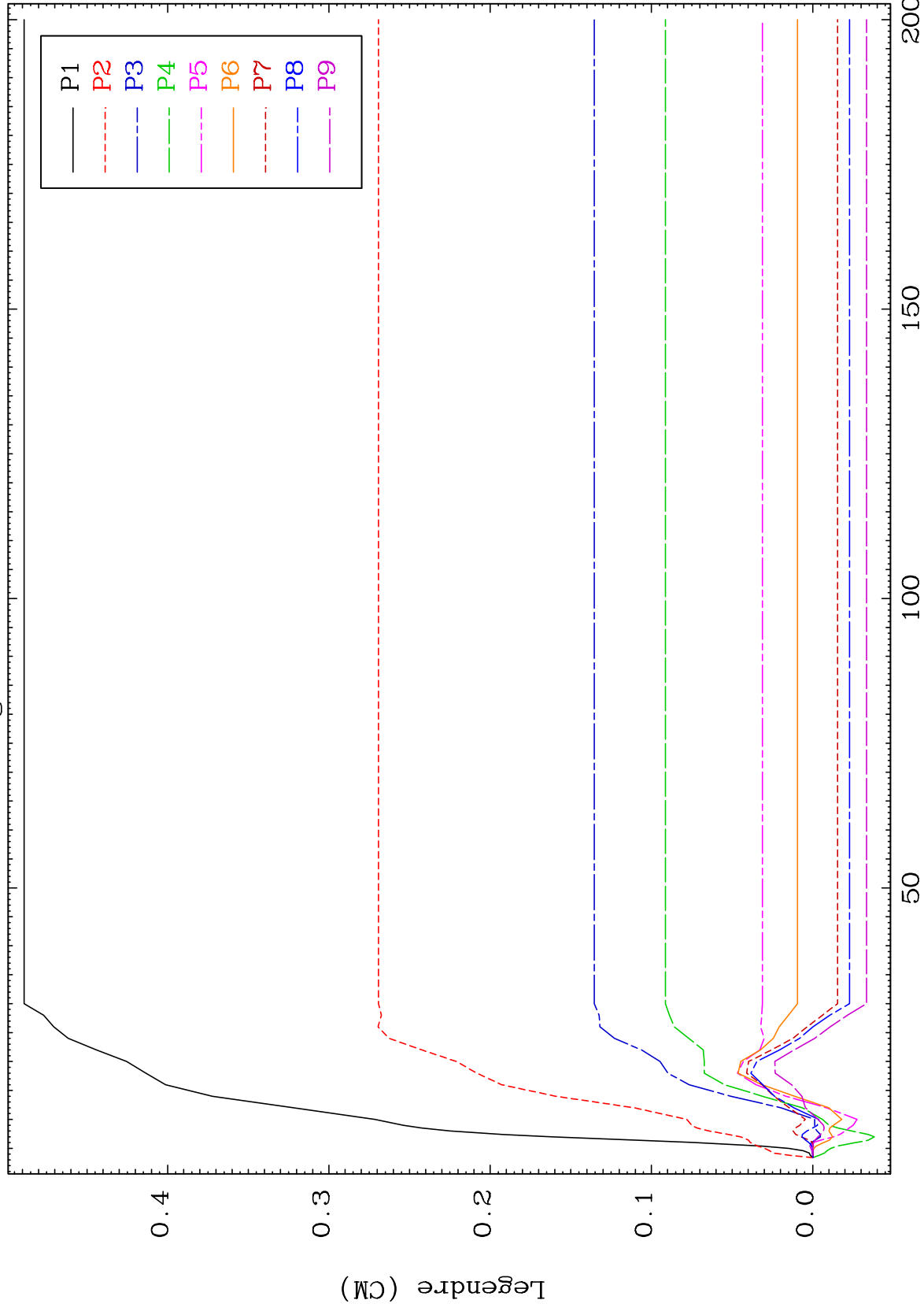




MAT 6407

3.359 MeV (n,n') Level  
Legendre Coefficients

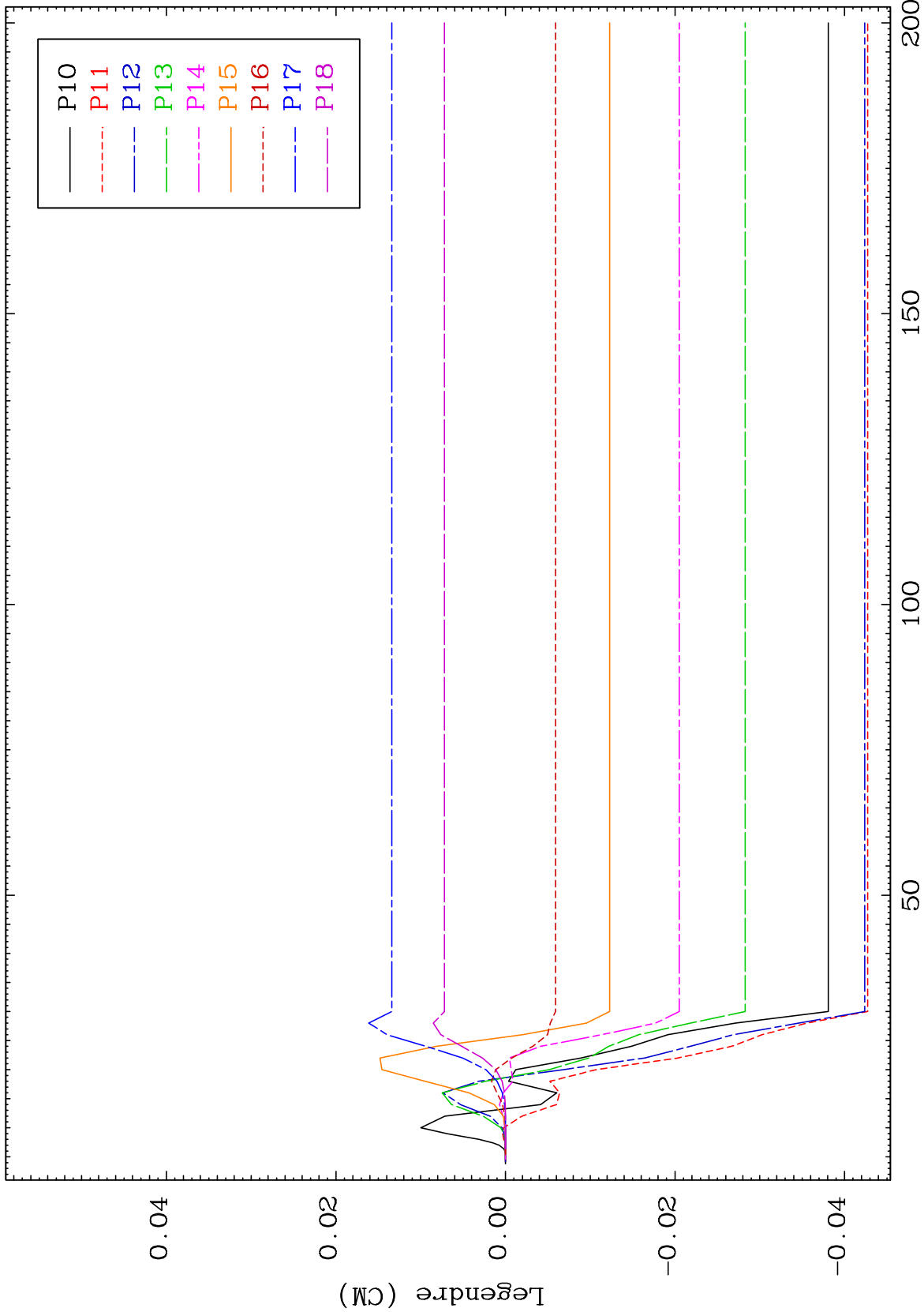
64-Gd-146



88

Incident Energy (MeV)

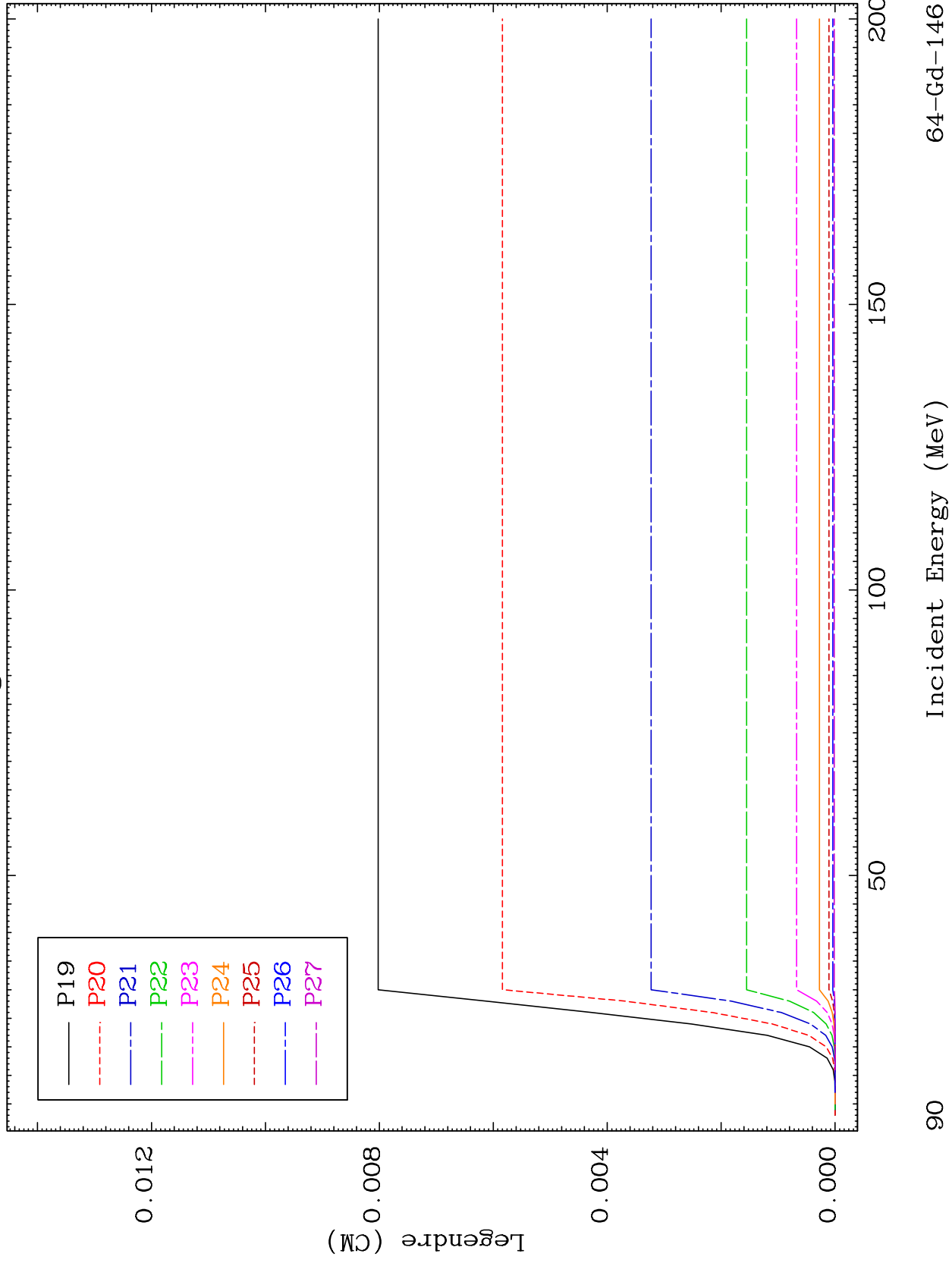
64-Gd-146



MAT 6407

3.359 MeV (n, n') Level  
Legendre Coefficients

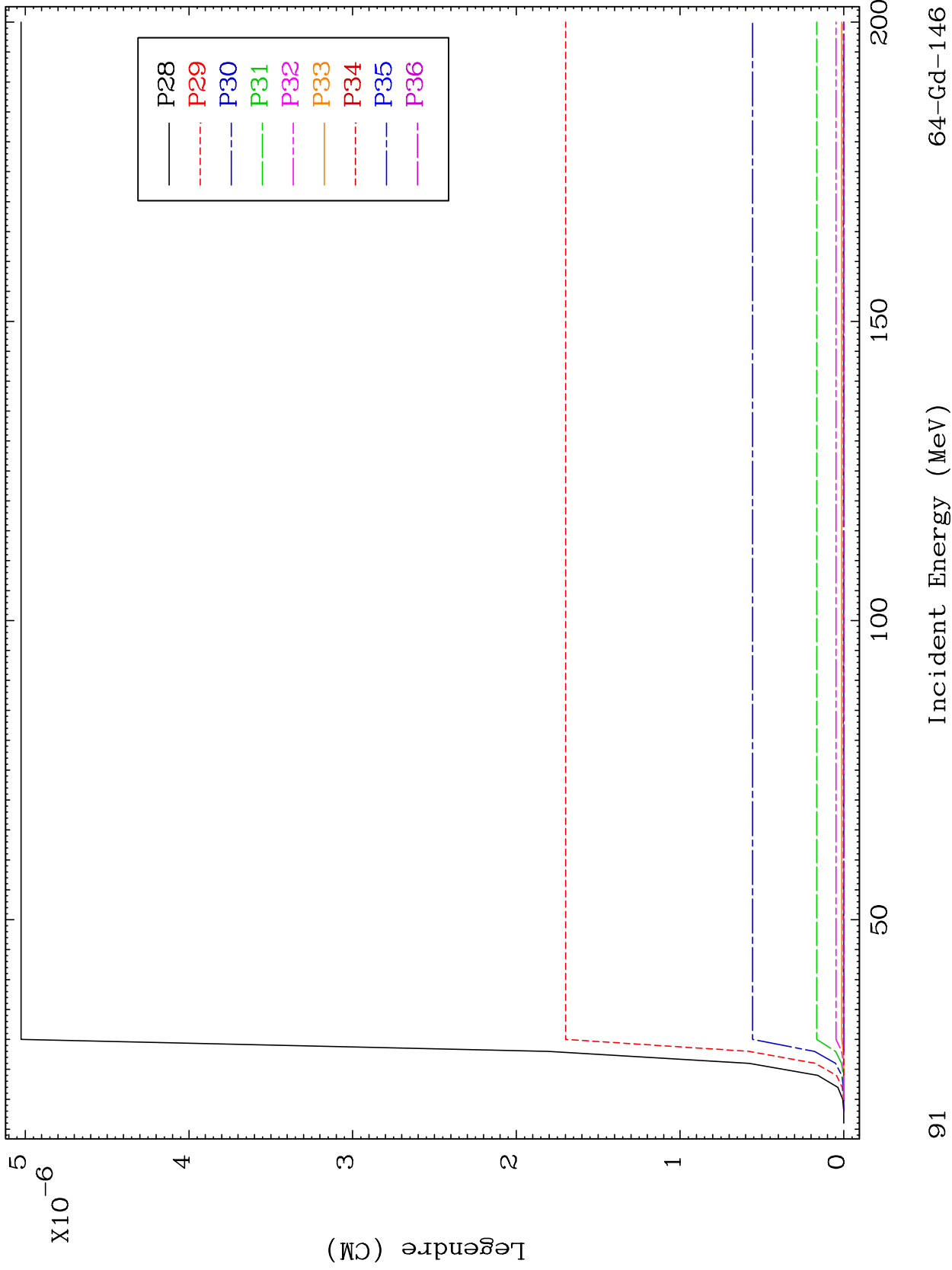
64-Gd-146



MAT 6407

3.359 MeV (n,n') Level  
Legendre Coefficients

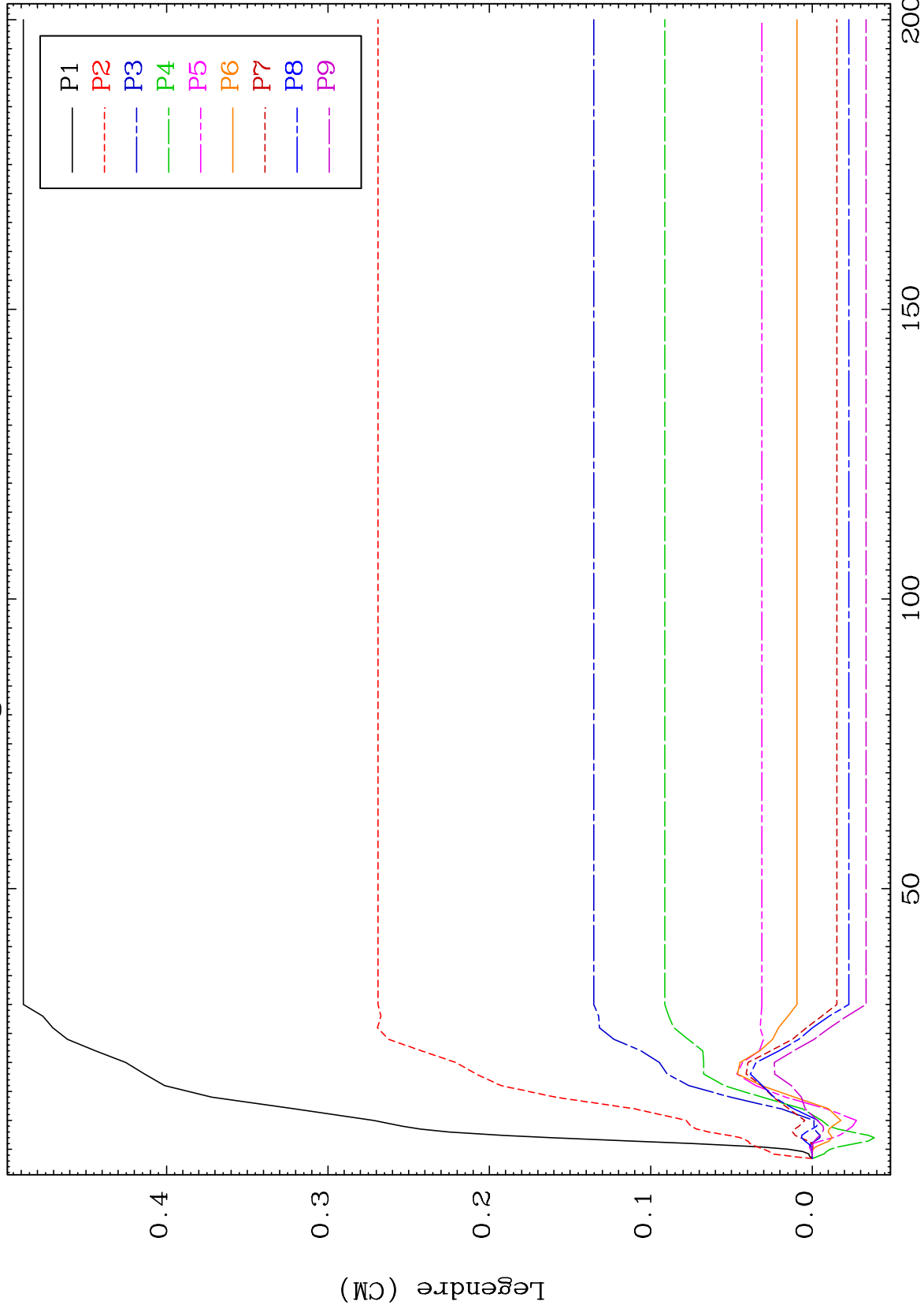
64-Gd-146



MAT 6407

3.383 MeV (n,n') Level  
Legendre Coefficients

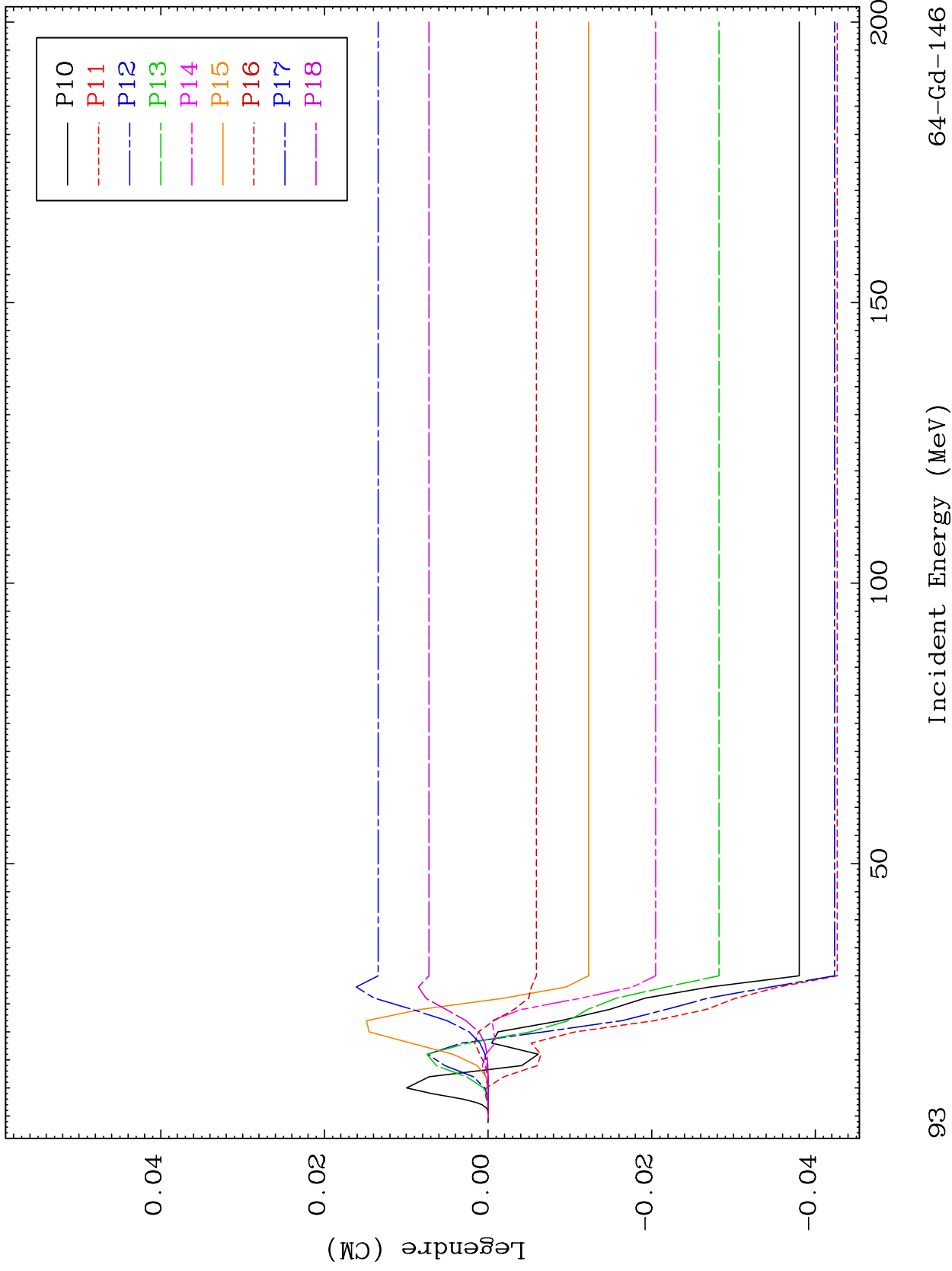
64-Gd-146



92

Incident Energy (MeV)

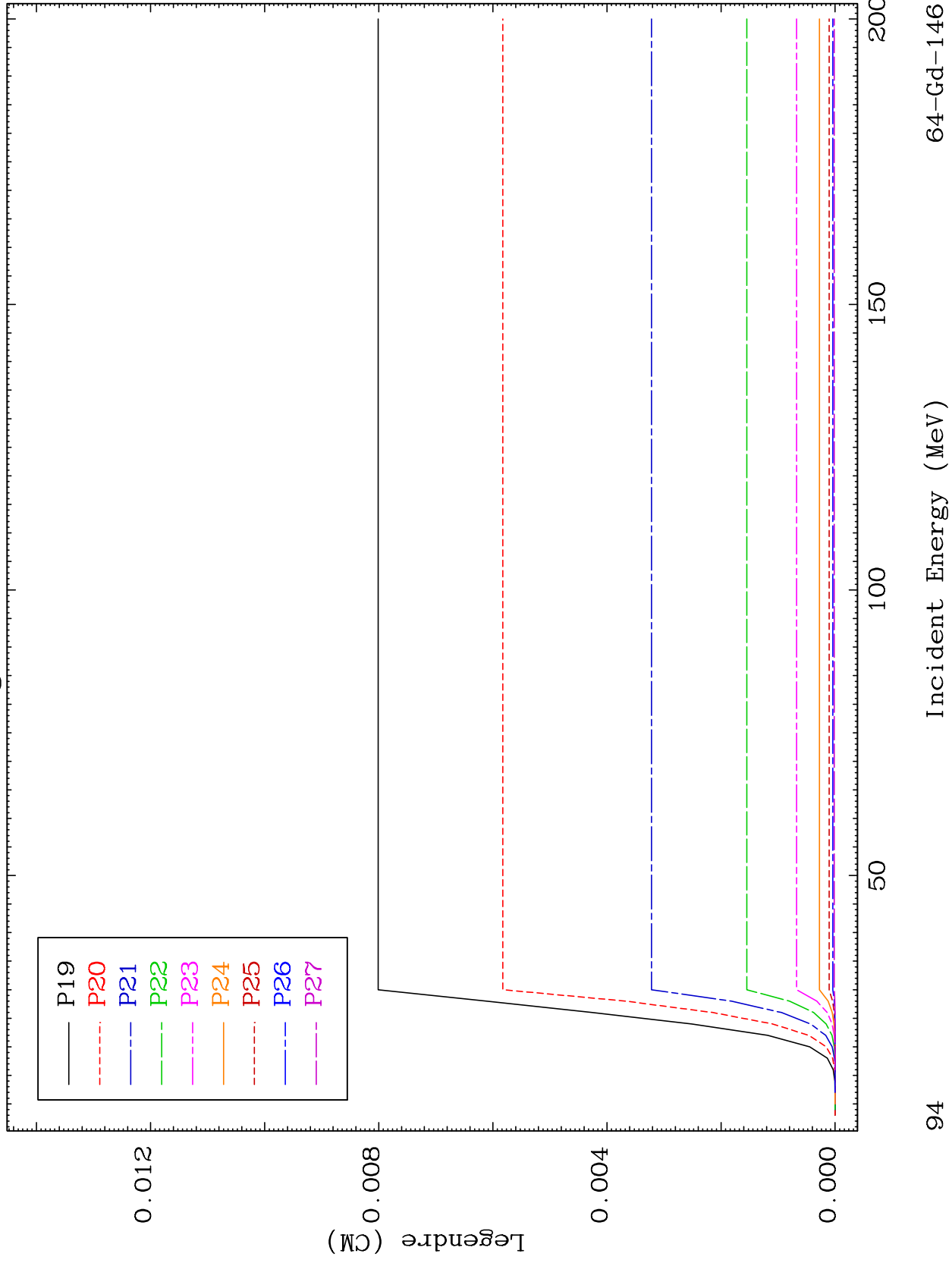
64-Gd-146



MAT 6407

3.383 MeV (n, n') Level  
Legendre Coefficients

64-Gd-146



94

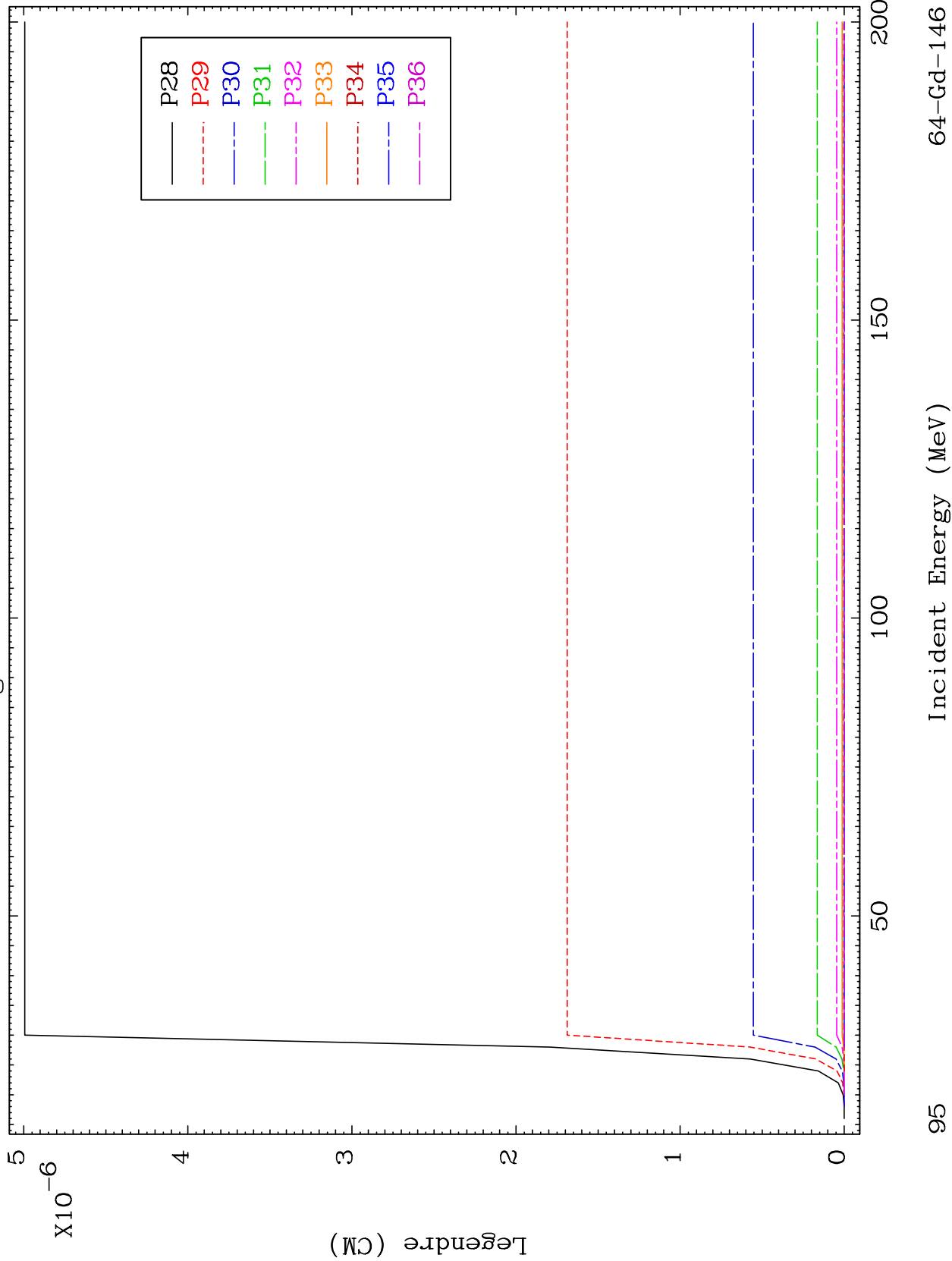
Incident Energy (MeV)

64-Gd-146

MAT 6407

3.383 MeV (n,n') Level  
Legendre Coefficients

64-Gd-146

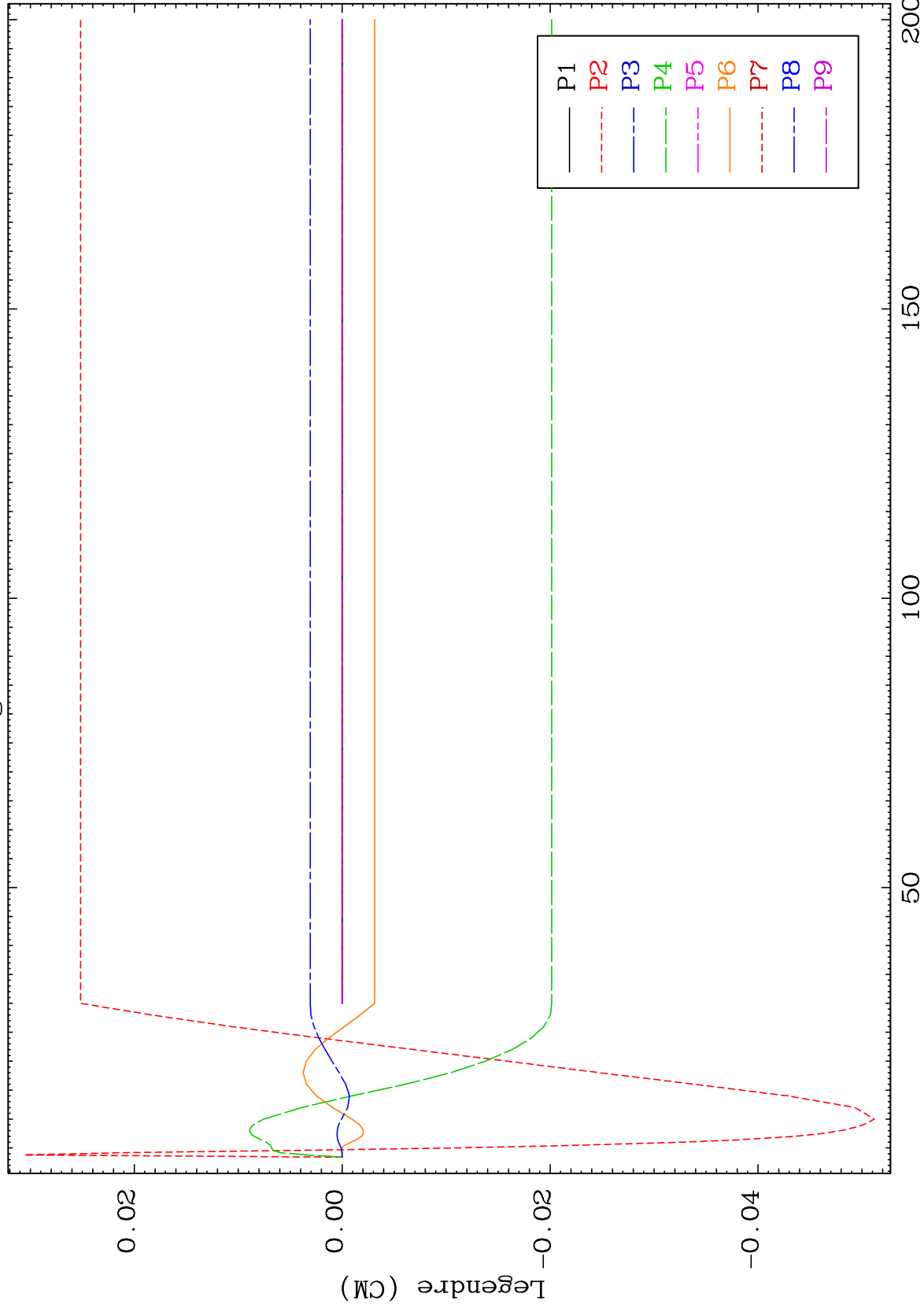




MAT 6407

3.386 MeV (n,n') Level  
Legendre Coefficients

64-Gd-146



96

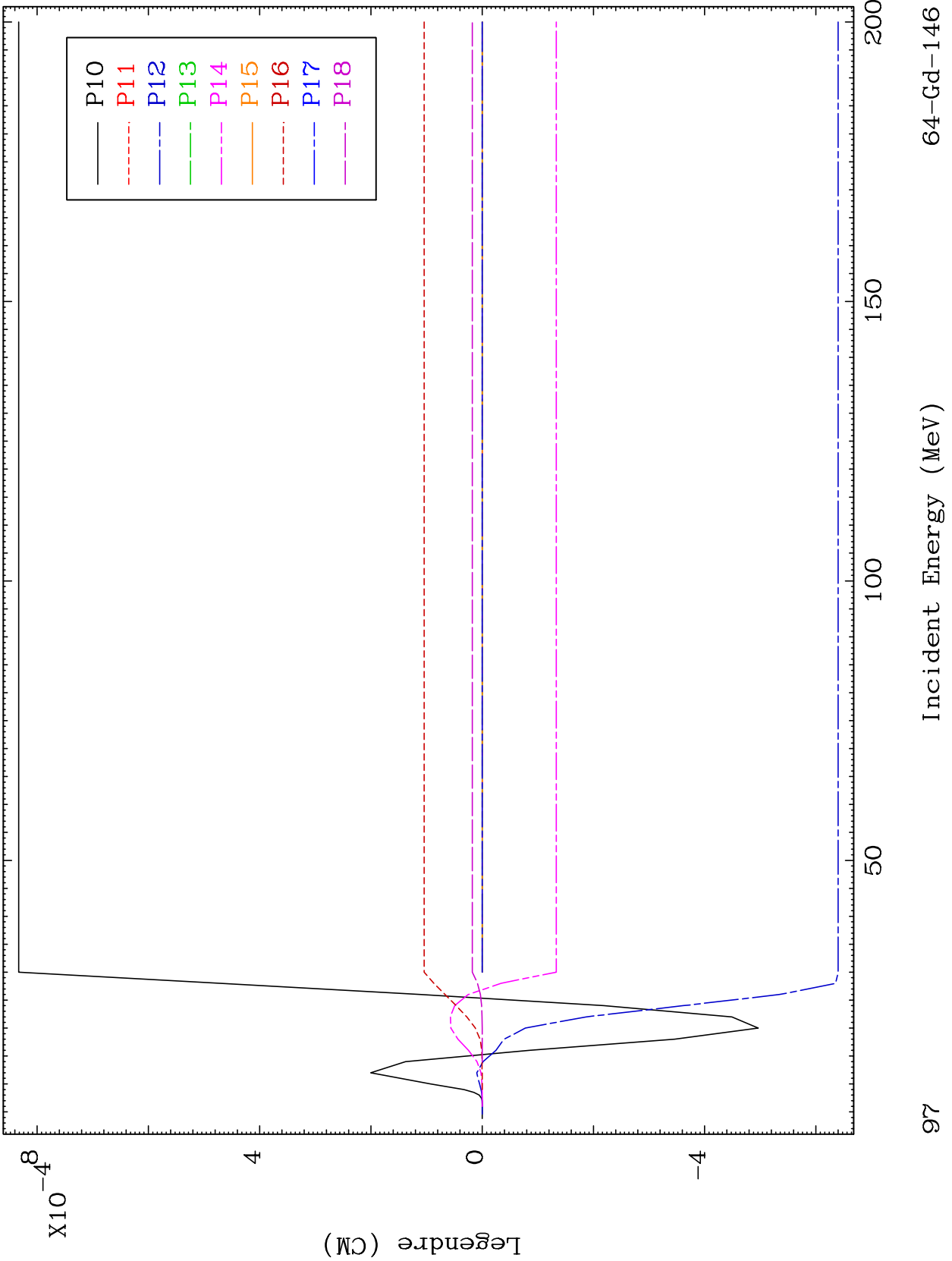
Incident Energy (MeV)

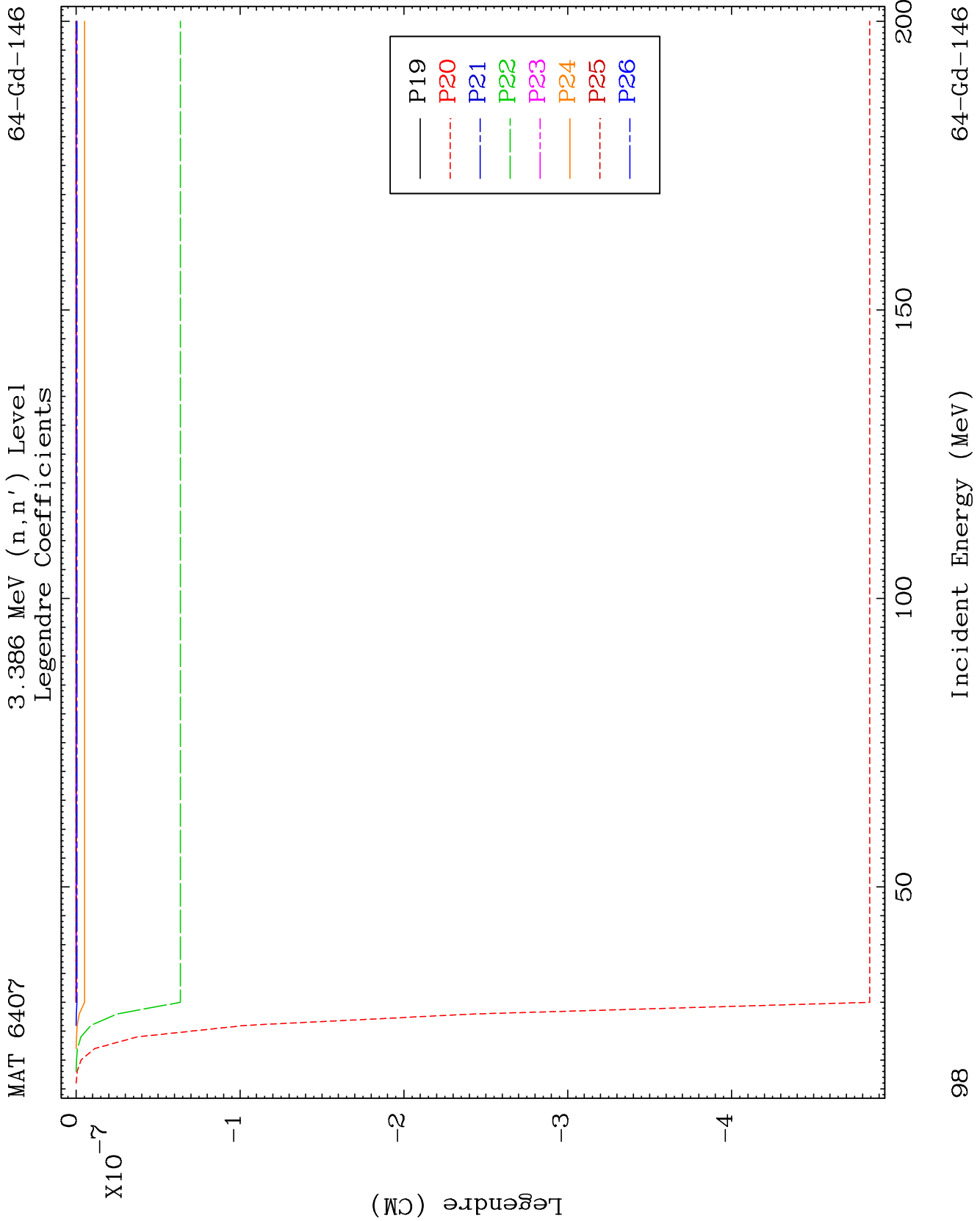
64-Gd-146

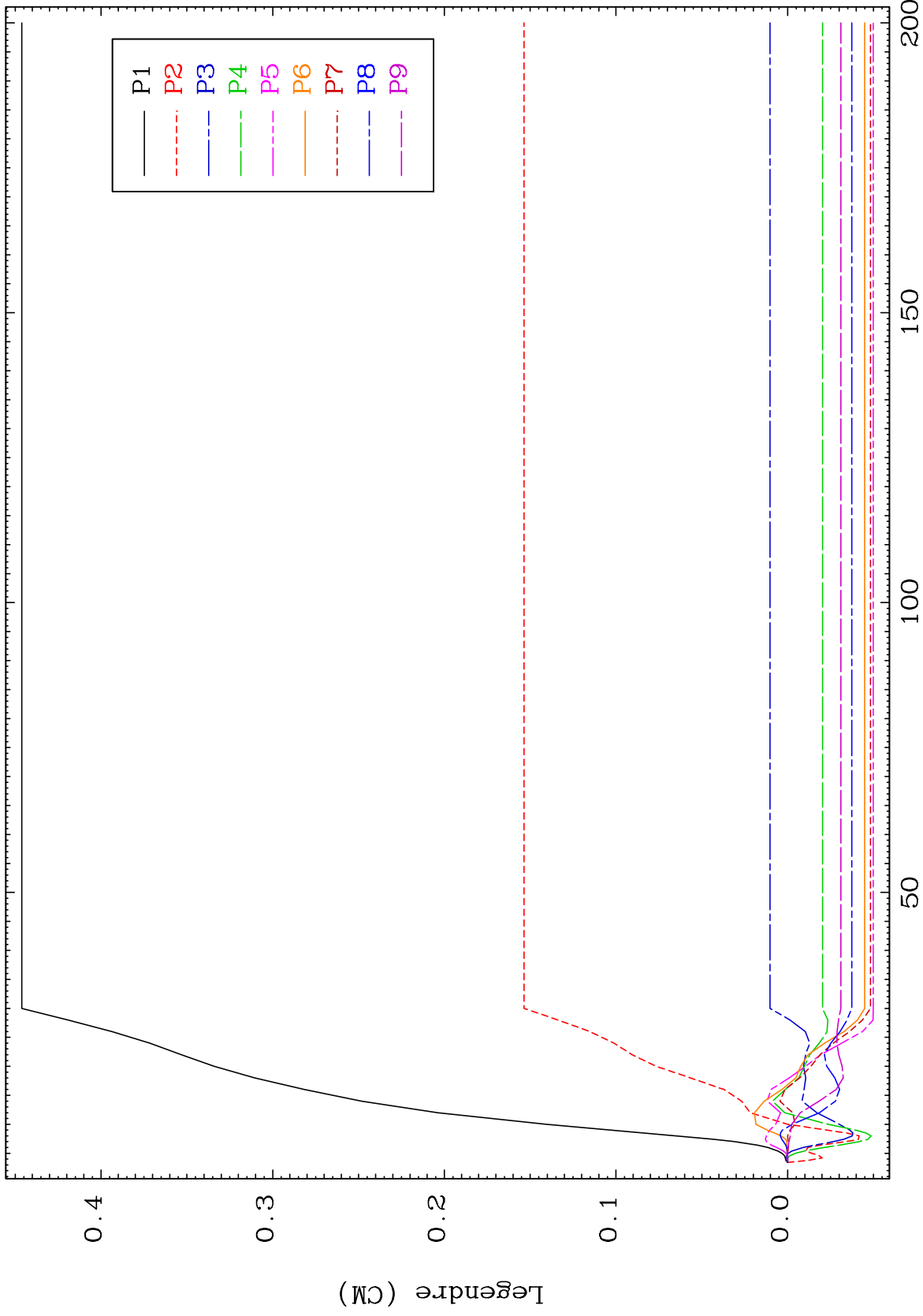
MAT 6407

3.386 MeV (n,n') Level  
Legendre Coefficients

64-Gd-146



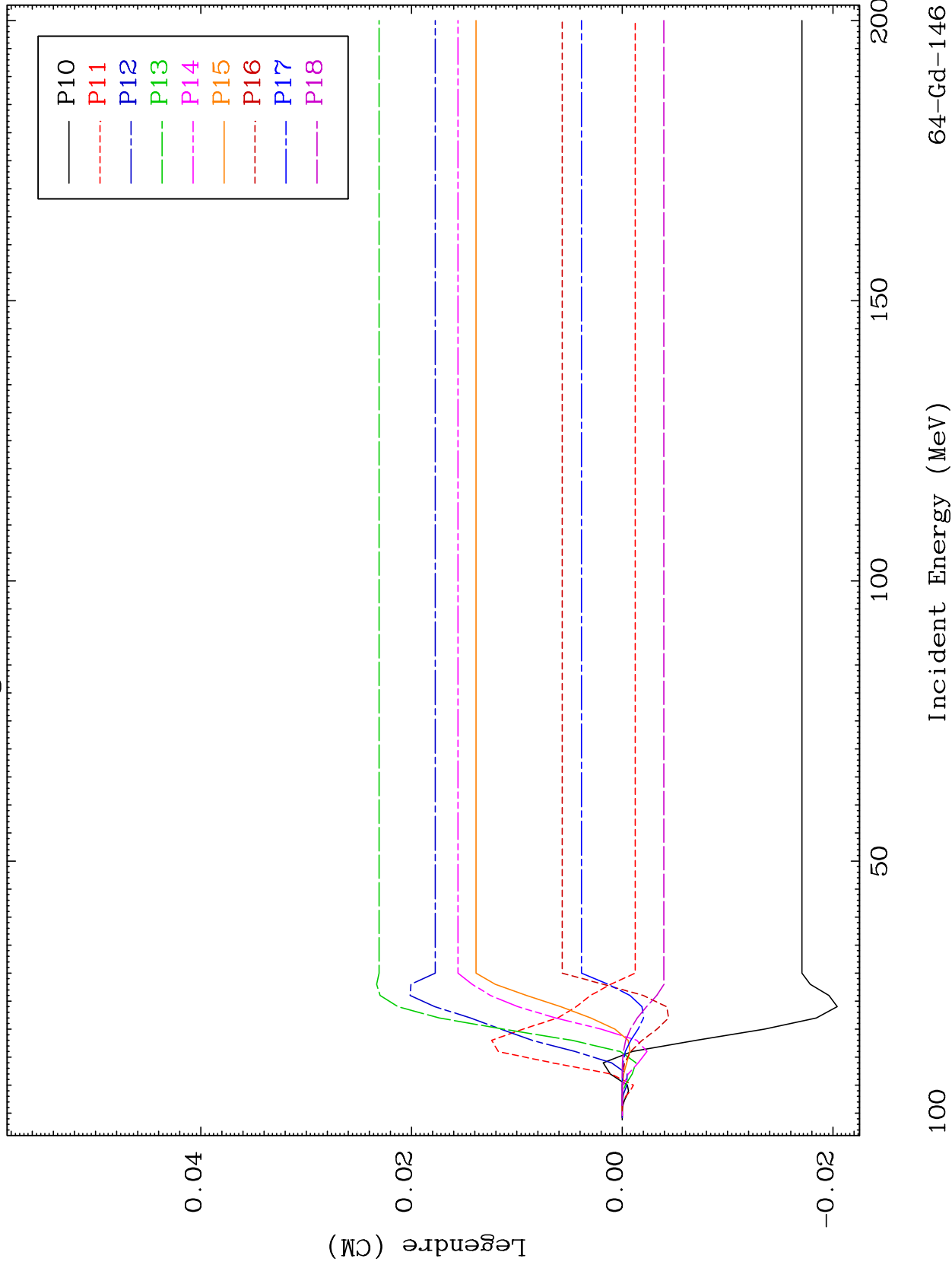




MAT 6407

3.389 MeV (n,n') Level  
Legendre Coefficients

64-Gd-146



64-Gd-146

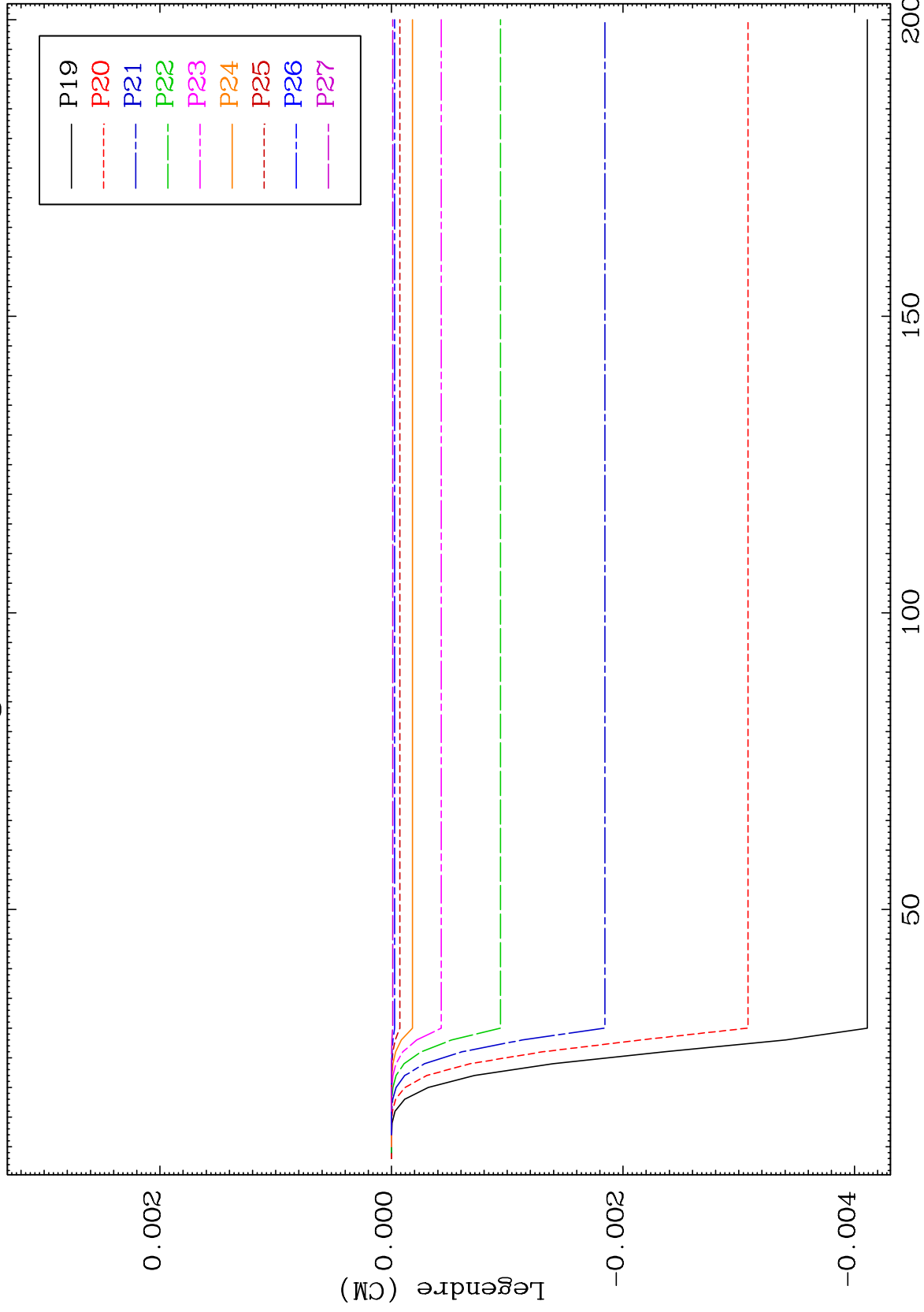
Incident Energy (MeV)

100

MAT 6407

3.389 MeV (n,n') Level  
Legendre Coefficients

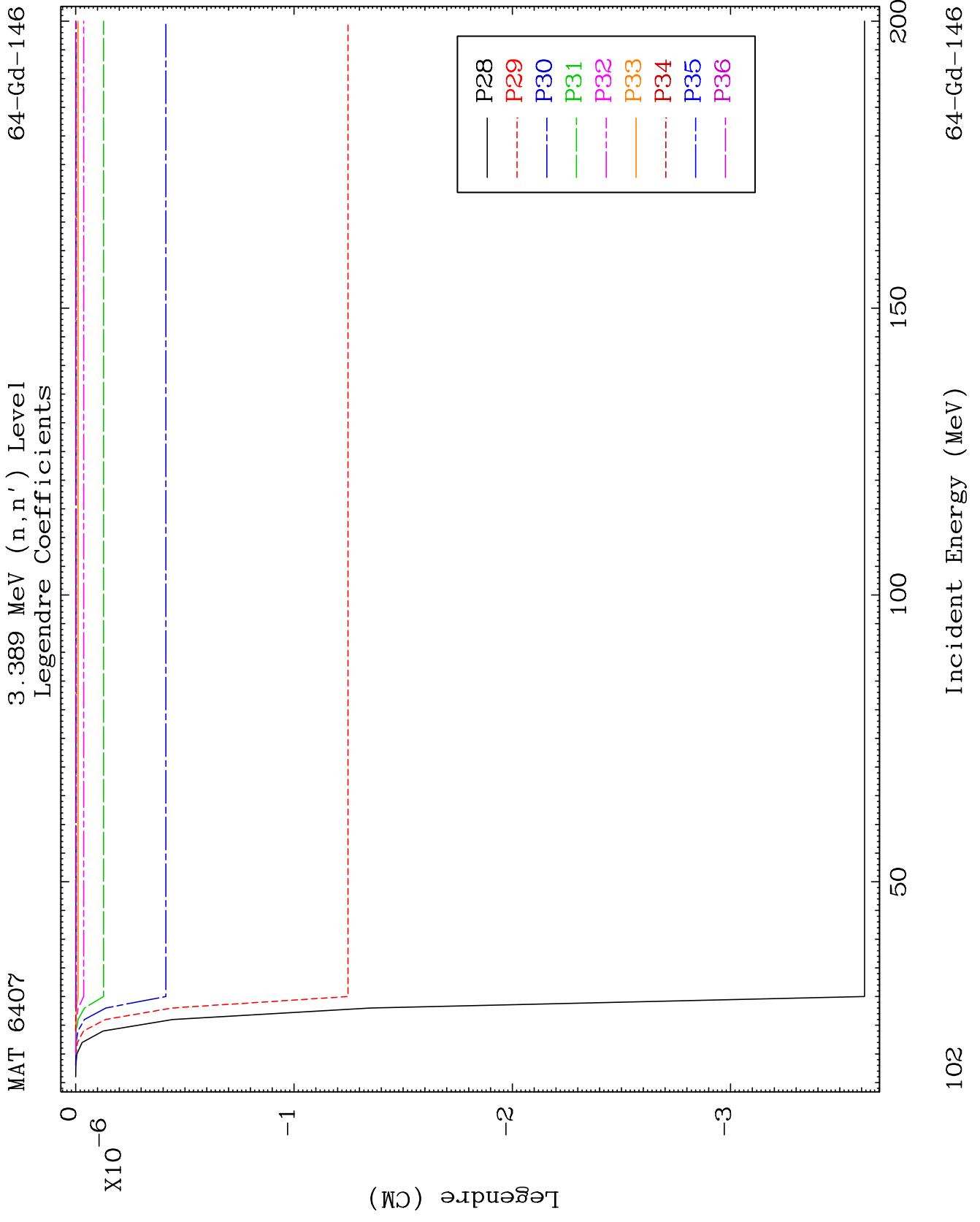
64-Gd-146



101

Incident Energy (MeV)

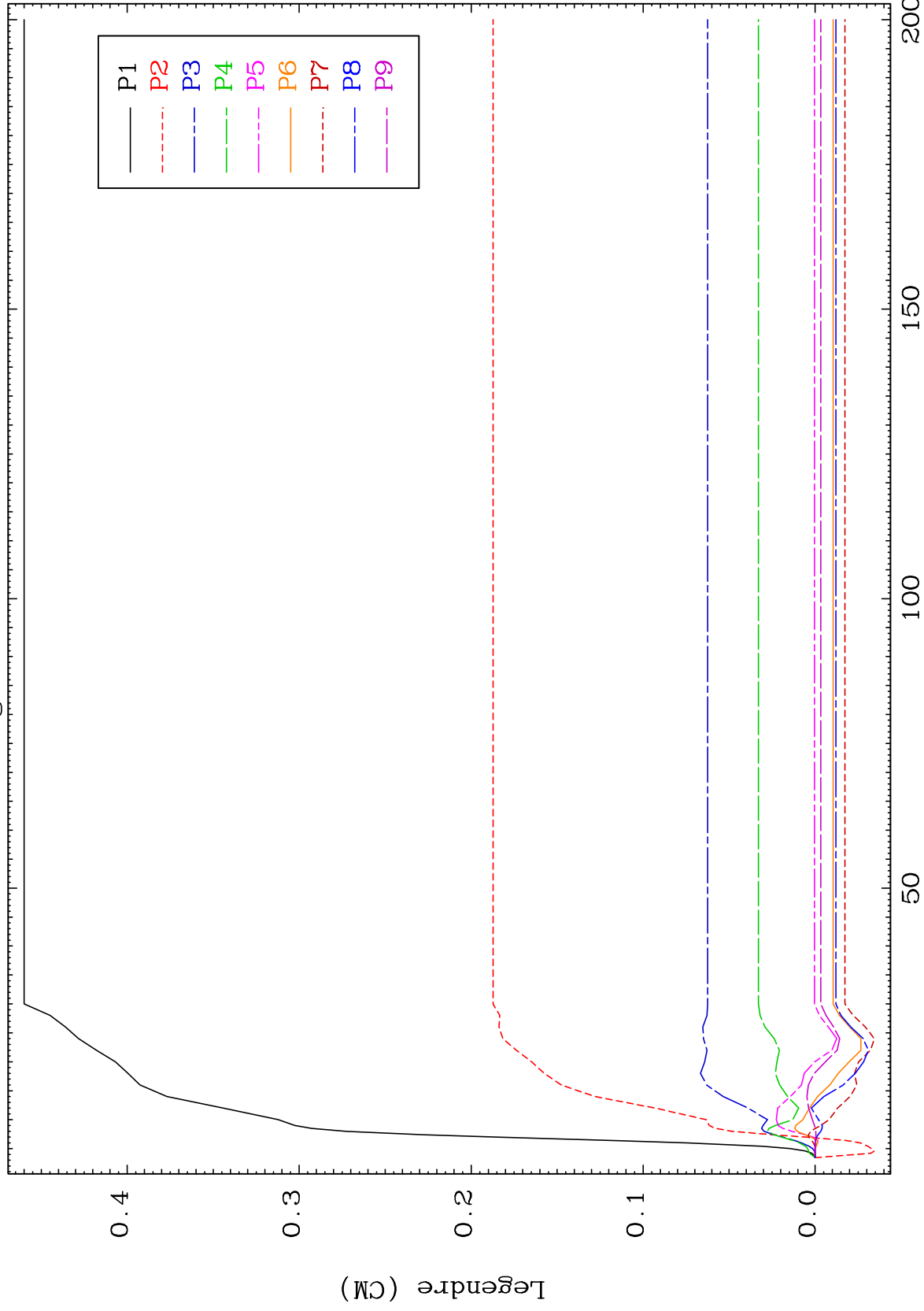
64-Gd-146



MAT 6407

3.412 MeV (n,n') Level  
Legendre Coefficients

64-Gd-146



103

Incident Energy (MeV)

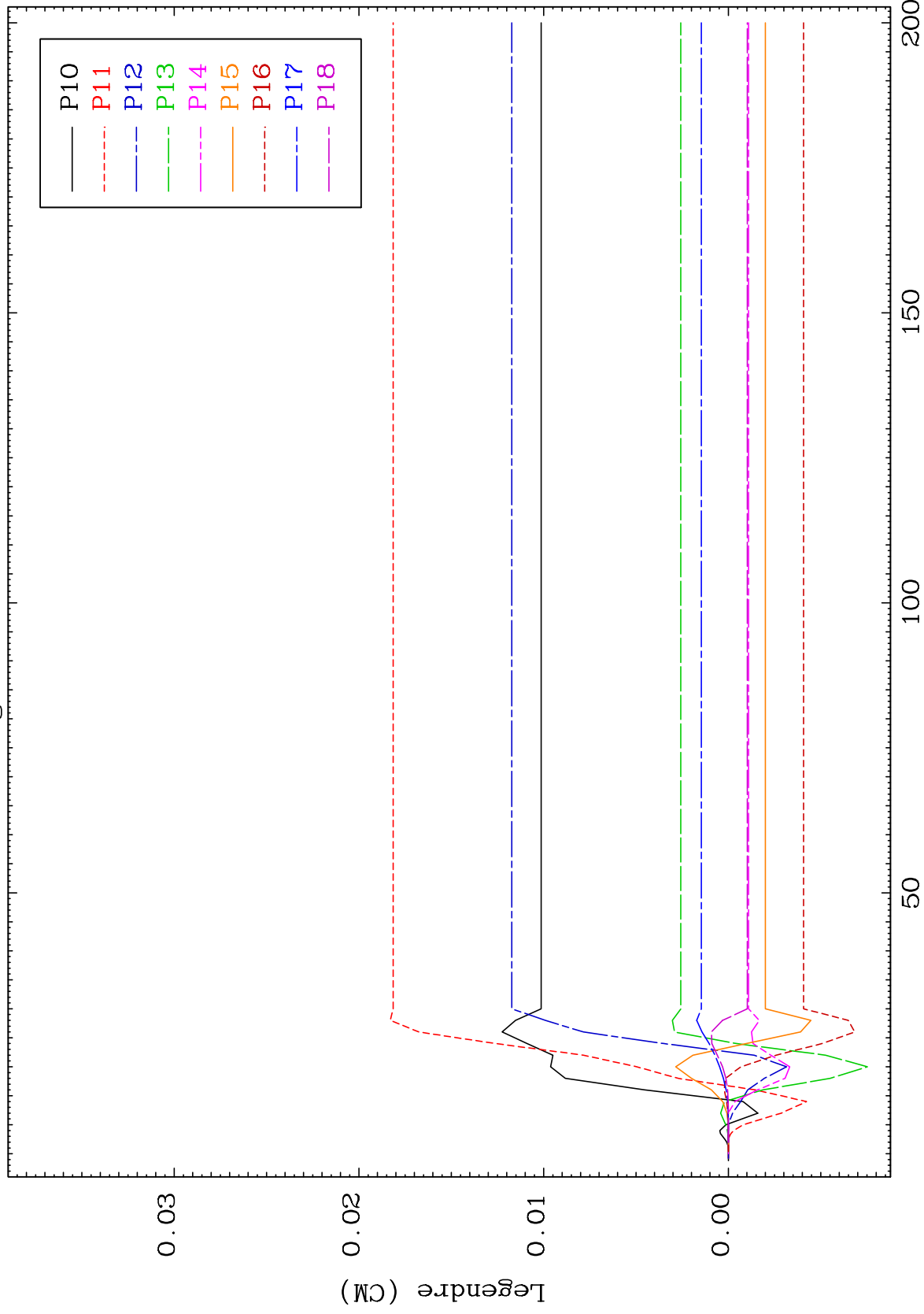
64-Gd-146



MAT 6407

3.412 MeV (n,n') Level Legendre Coefficients

64-Gd-146



104

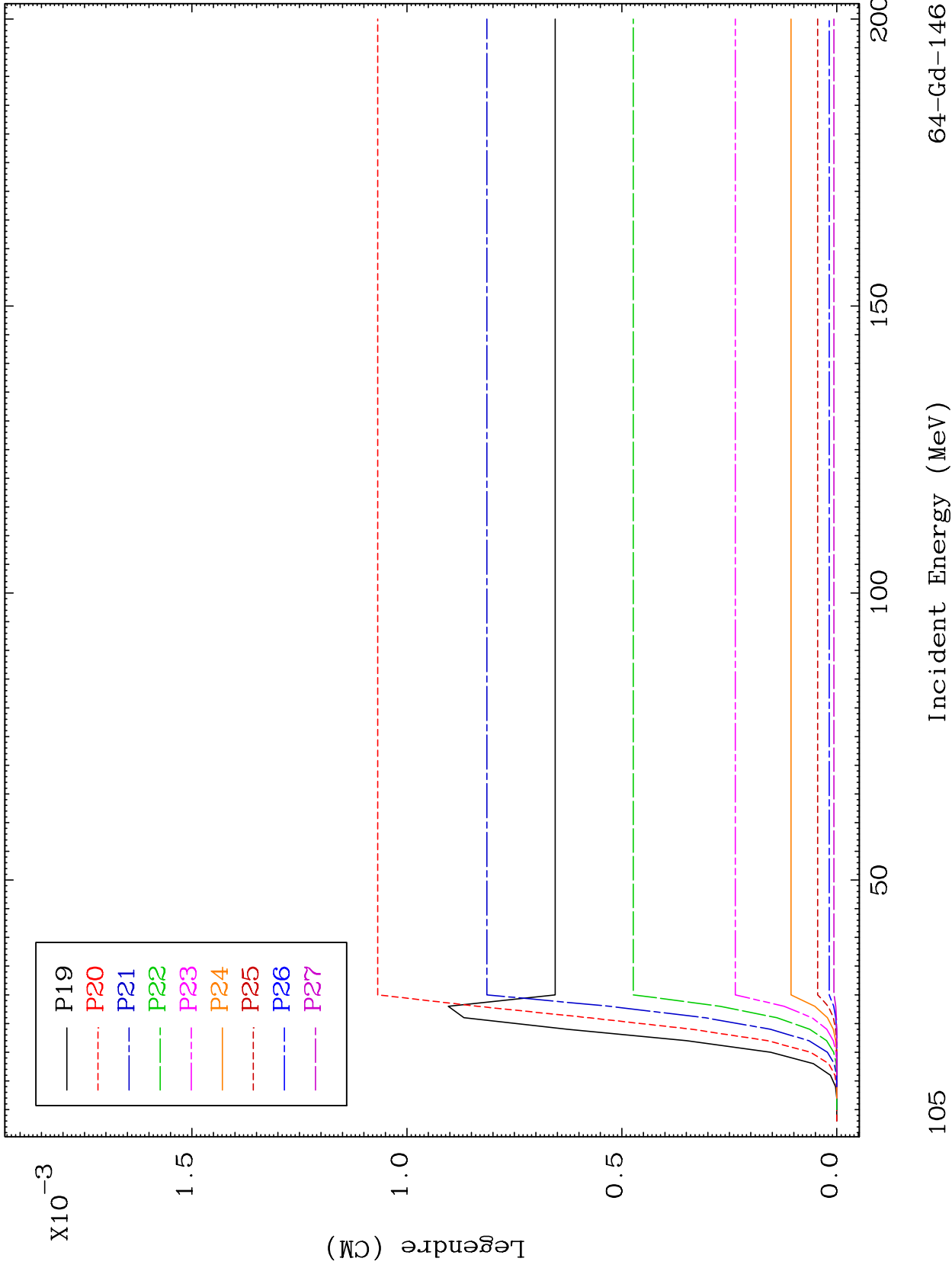
Incident Energy (MeV)

64-Gd-146

MAT 6407

3.412 MeV (n, n') Level  
Legendre Coefficients

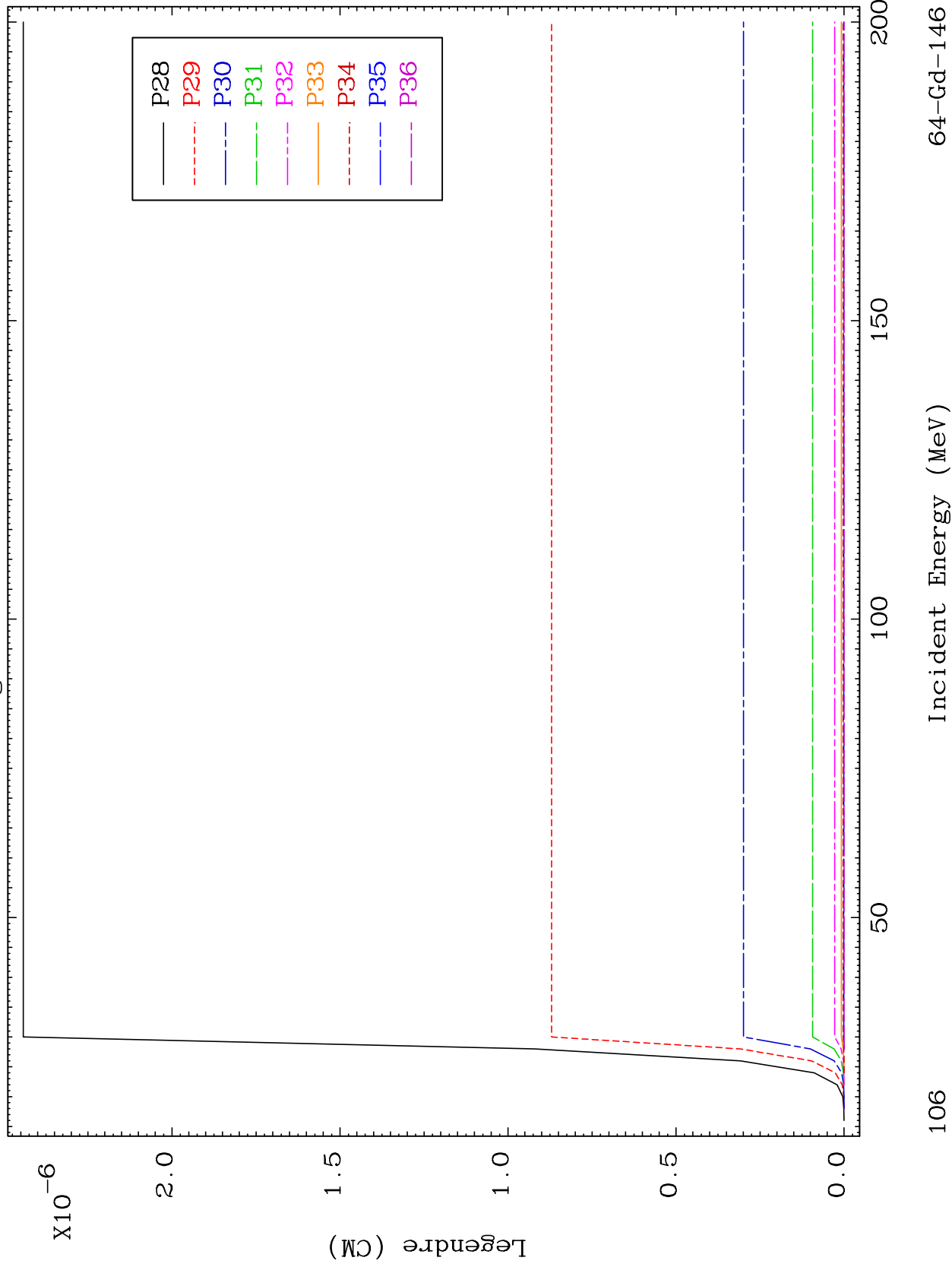
64-Gd-146



MAT 6407

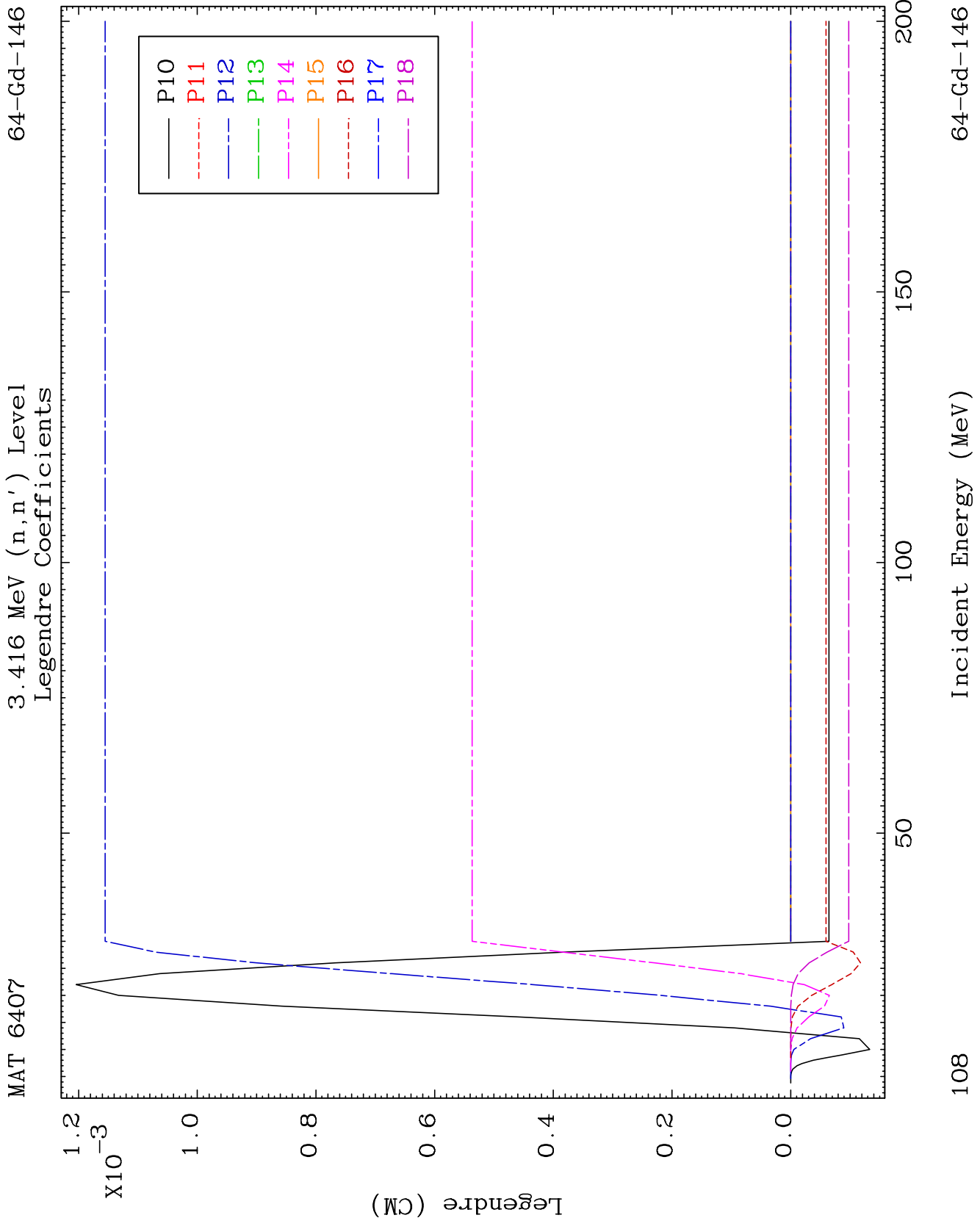
3.412 MeV (n, n') Level  
Legendre Coefficients

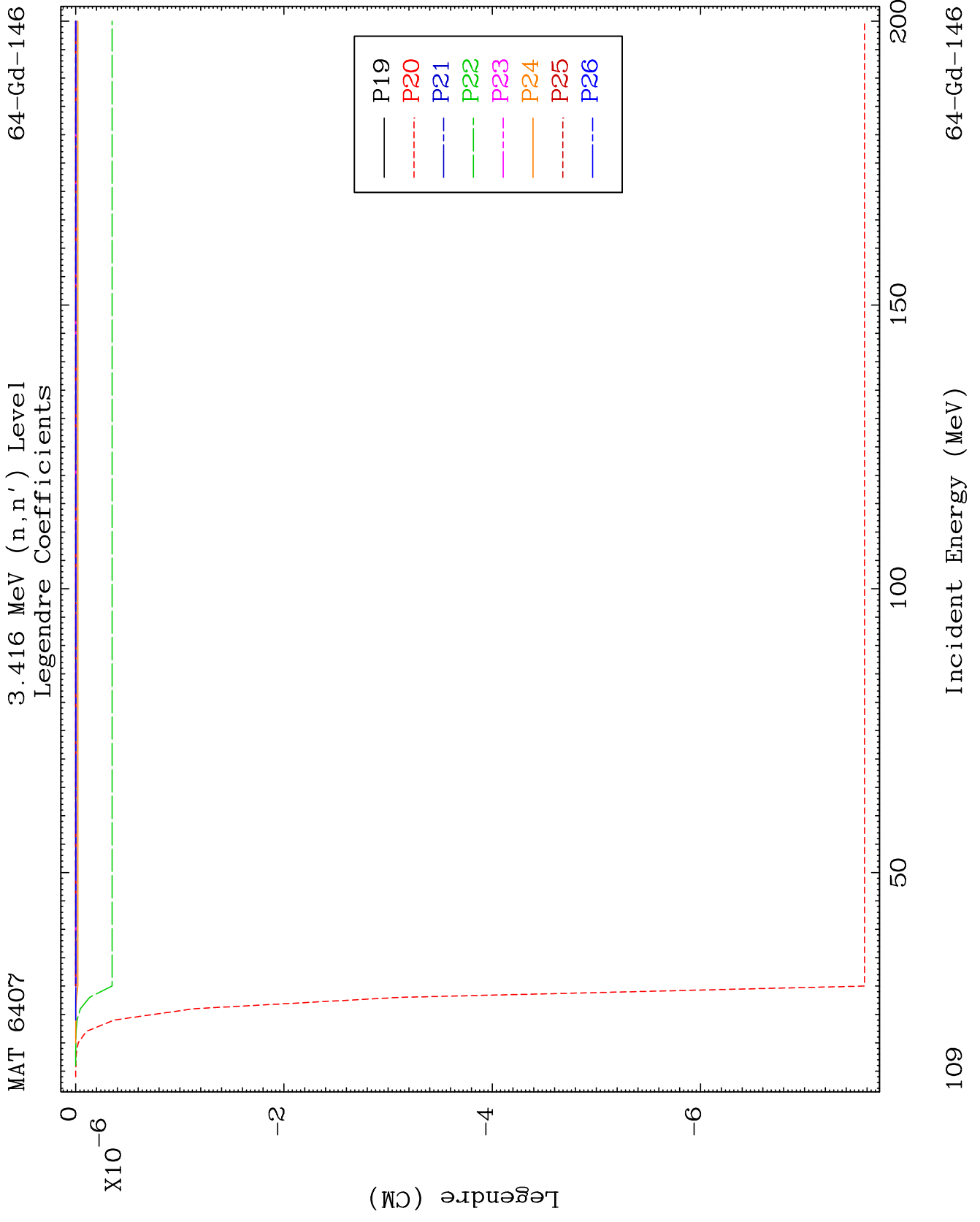
64-Gd-146



106



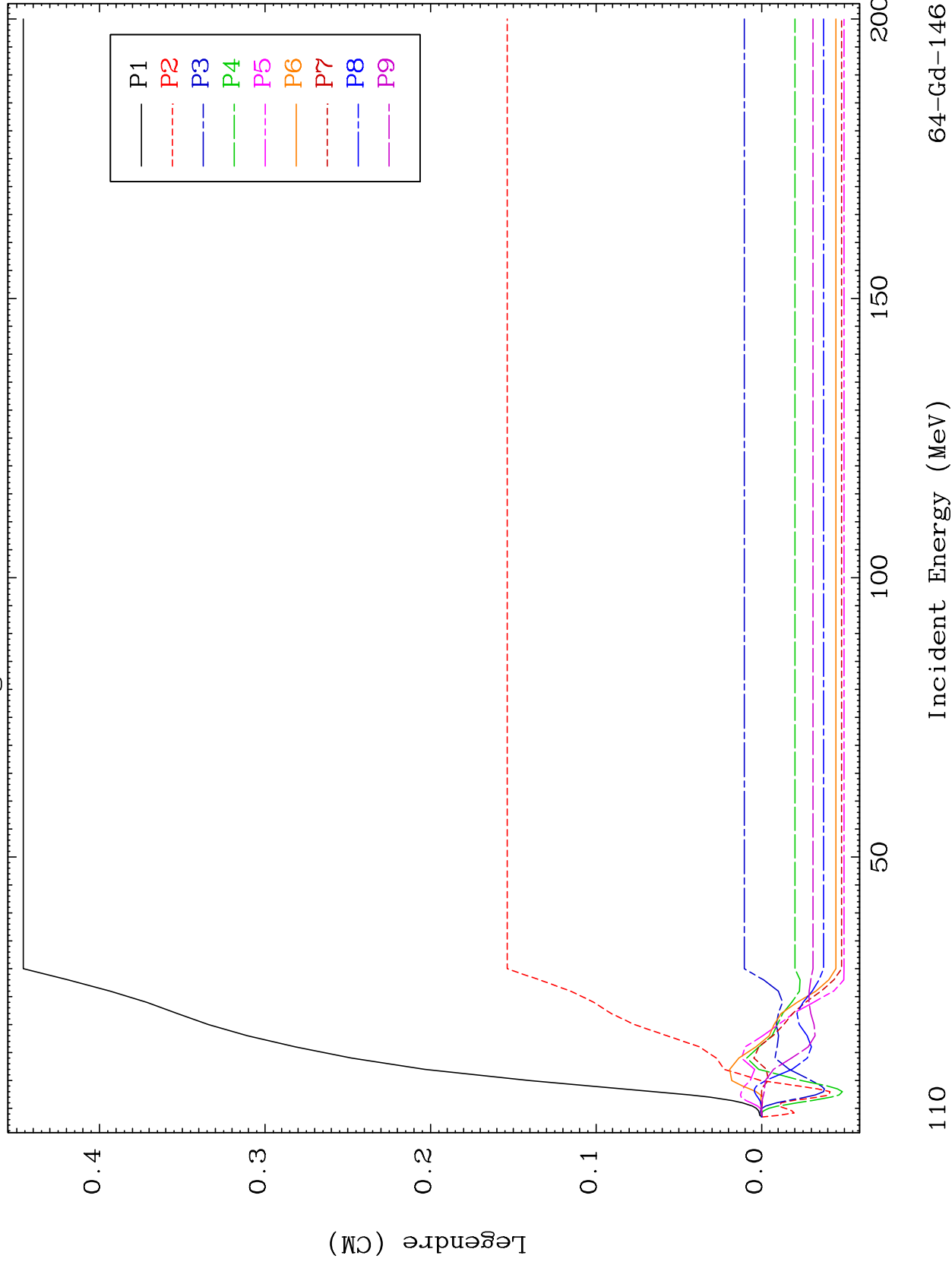




MAT 6407

3.423 MeV (n,n') Level  
Legendre Coefficients

64-Gd-146



64-Gd-146

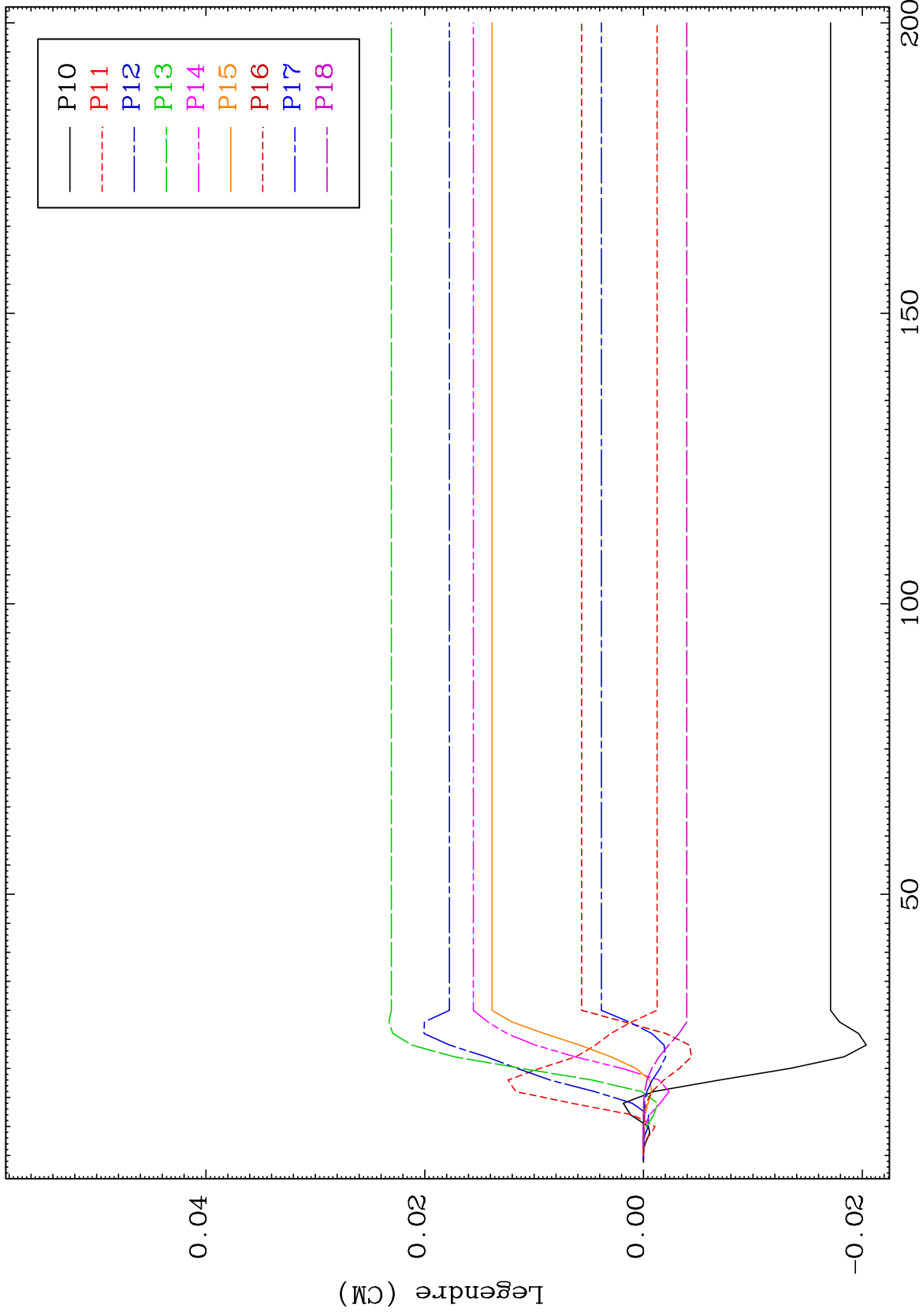
Incident Energy (MeV)

110

MAT 6407

3.423 MeV (n,n') Level  
Legendre Coefficients

64-Gd-146



111

Incident Energy (MeV)

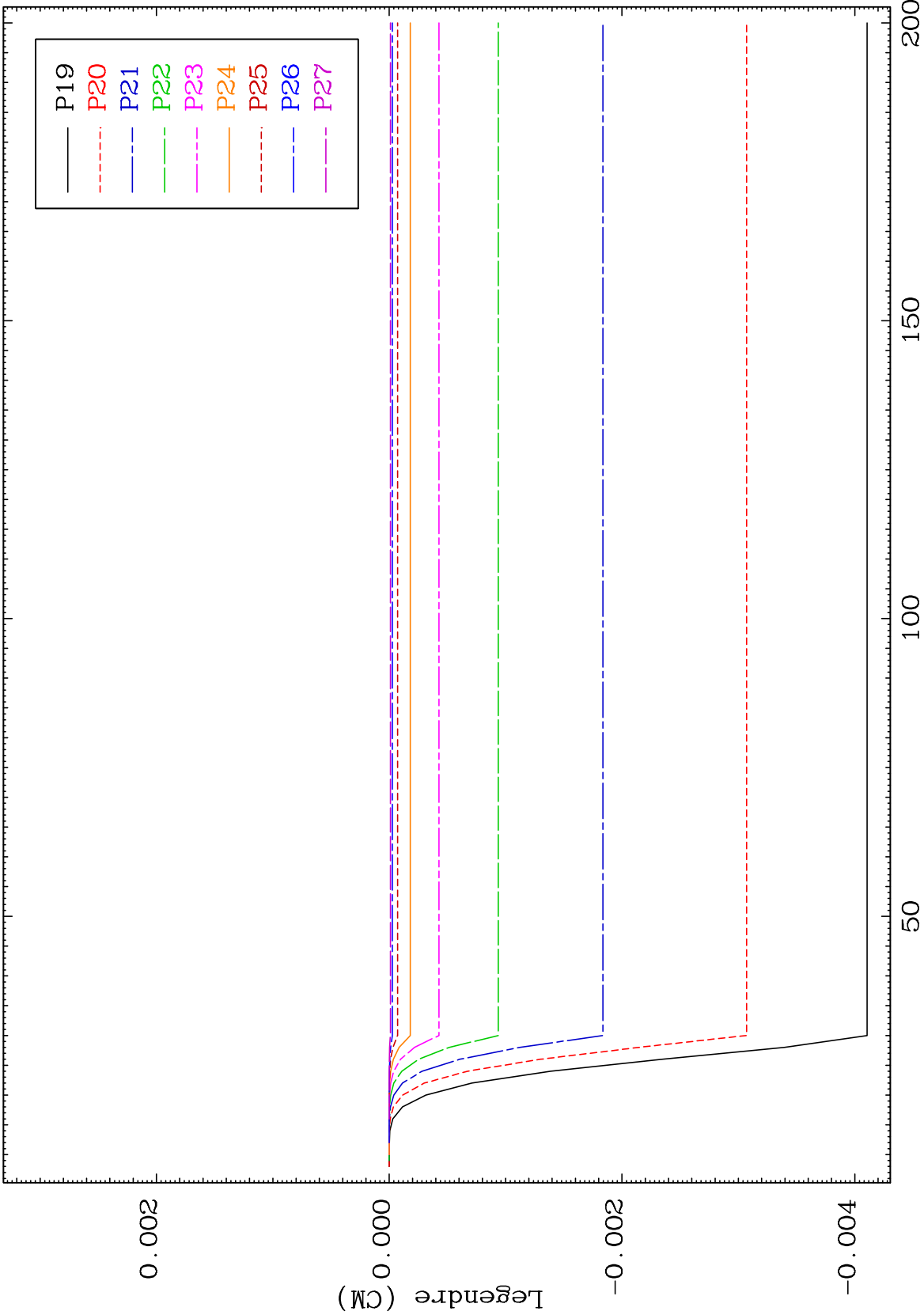
64-Gd-146



MAT 6407

3.423 MeV (n,n') Level  
Legendre Coefficients

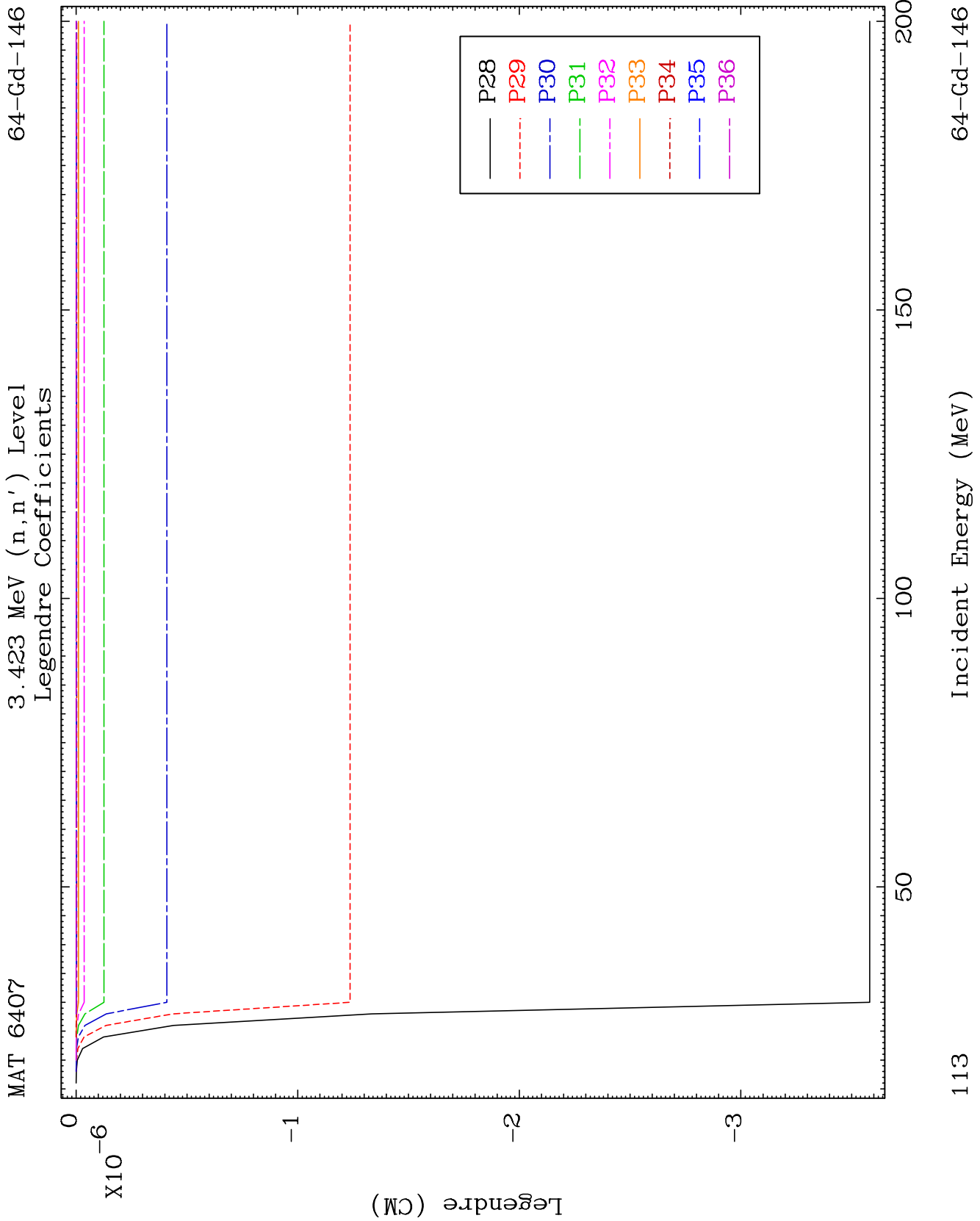
64-Gd-146



112

Incident Energy (MeV)

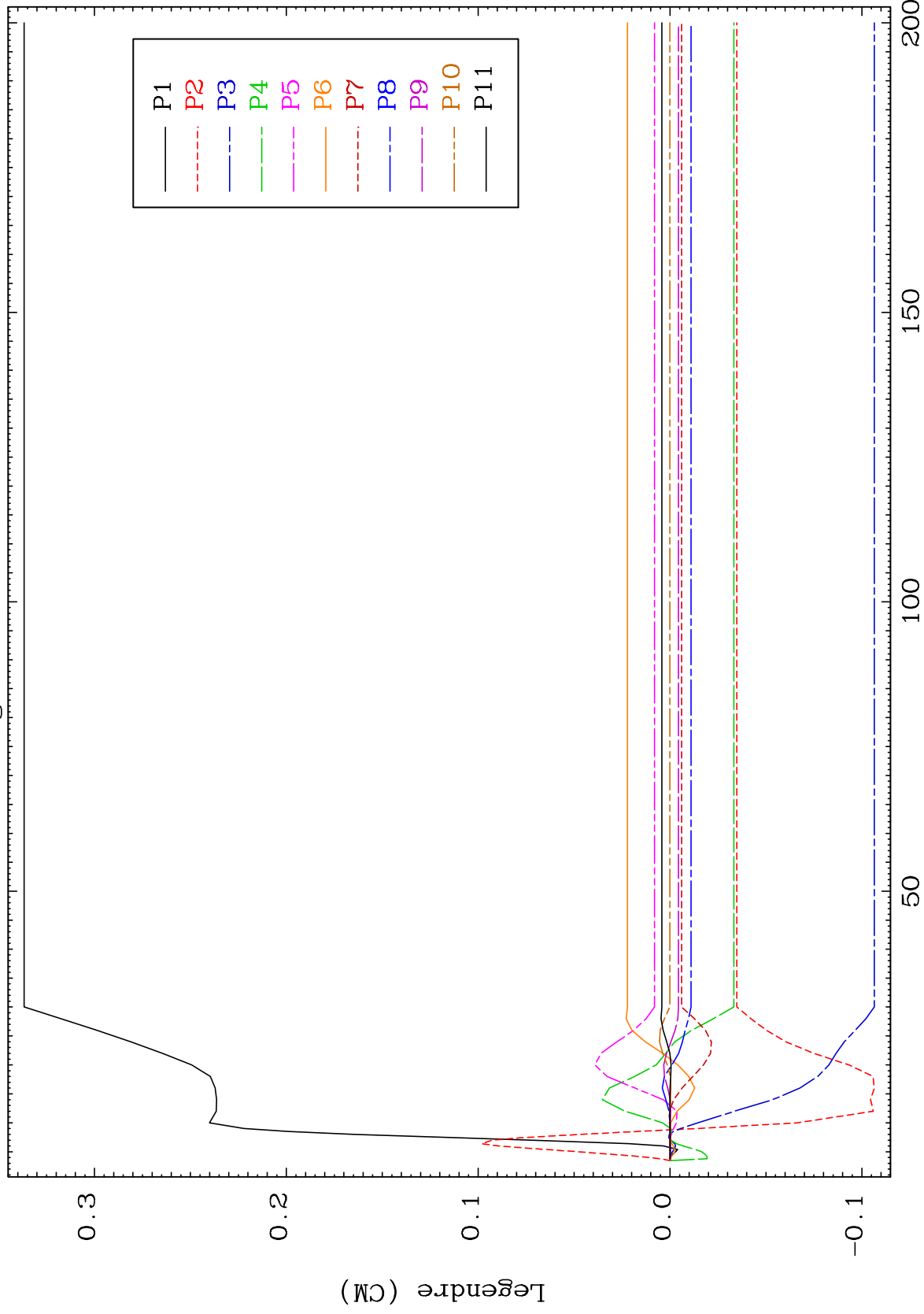
64-Gd-146



MAT 6407

3.428 MeV (n,n') Level  
Legendre Coefficients

64-Gd-146



114

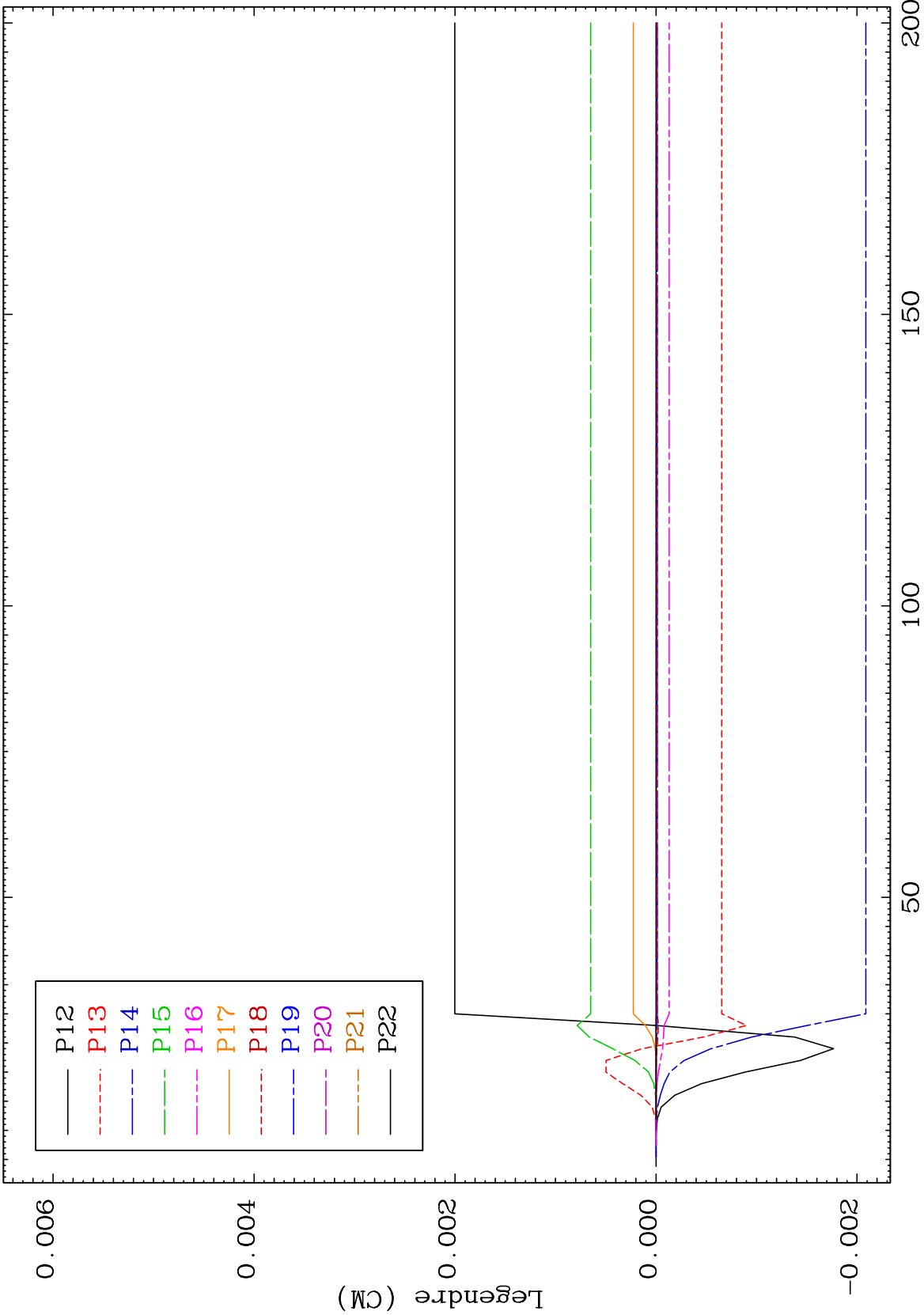
Incident Energy (MeV)

64-Gd-146

MAT 6407

3.428 MeV (n,n') Level  
Legendre Coefficients

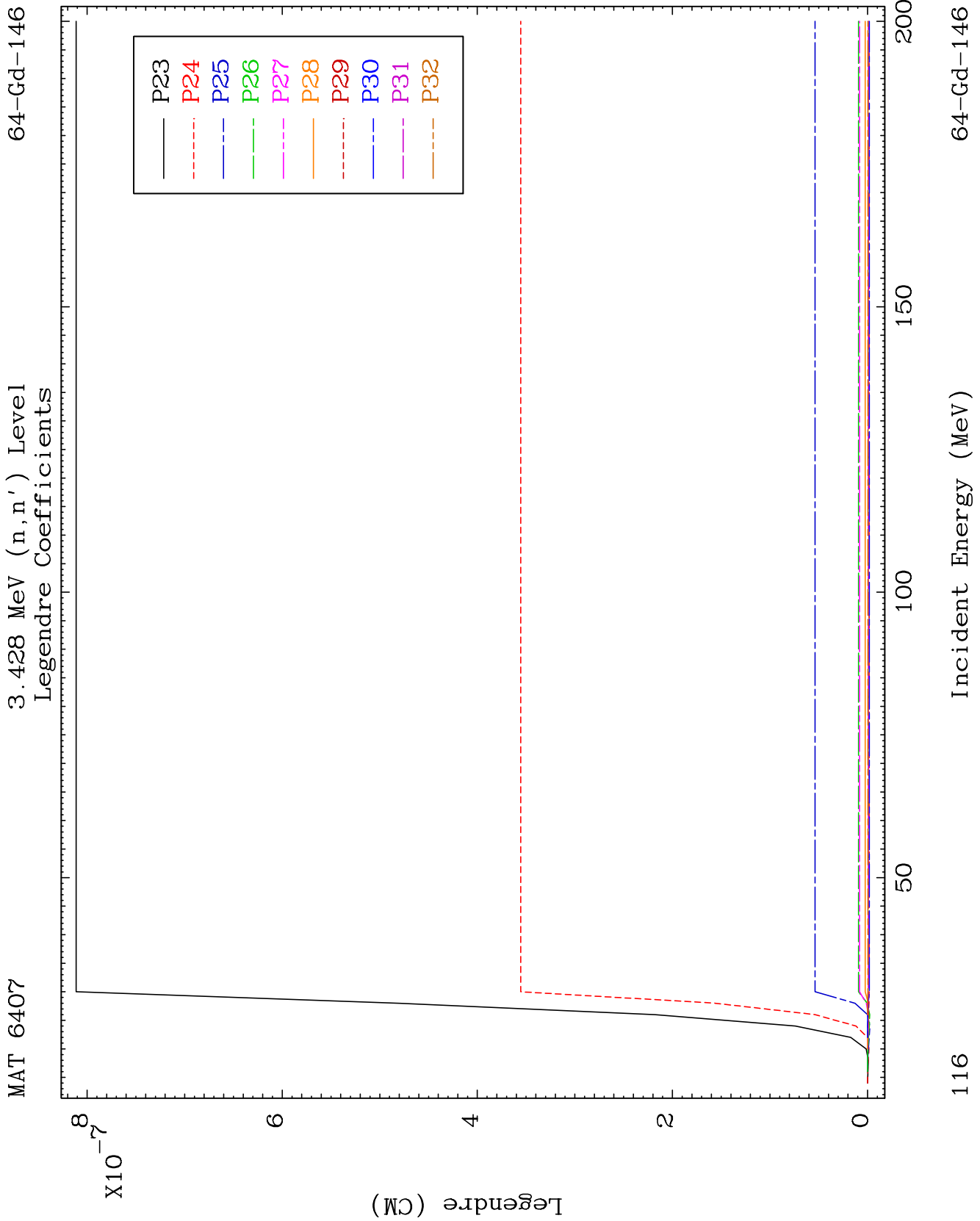
64-Gd-146



115

Incident Energy (MeV)

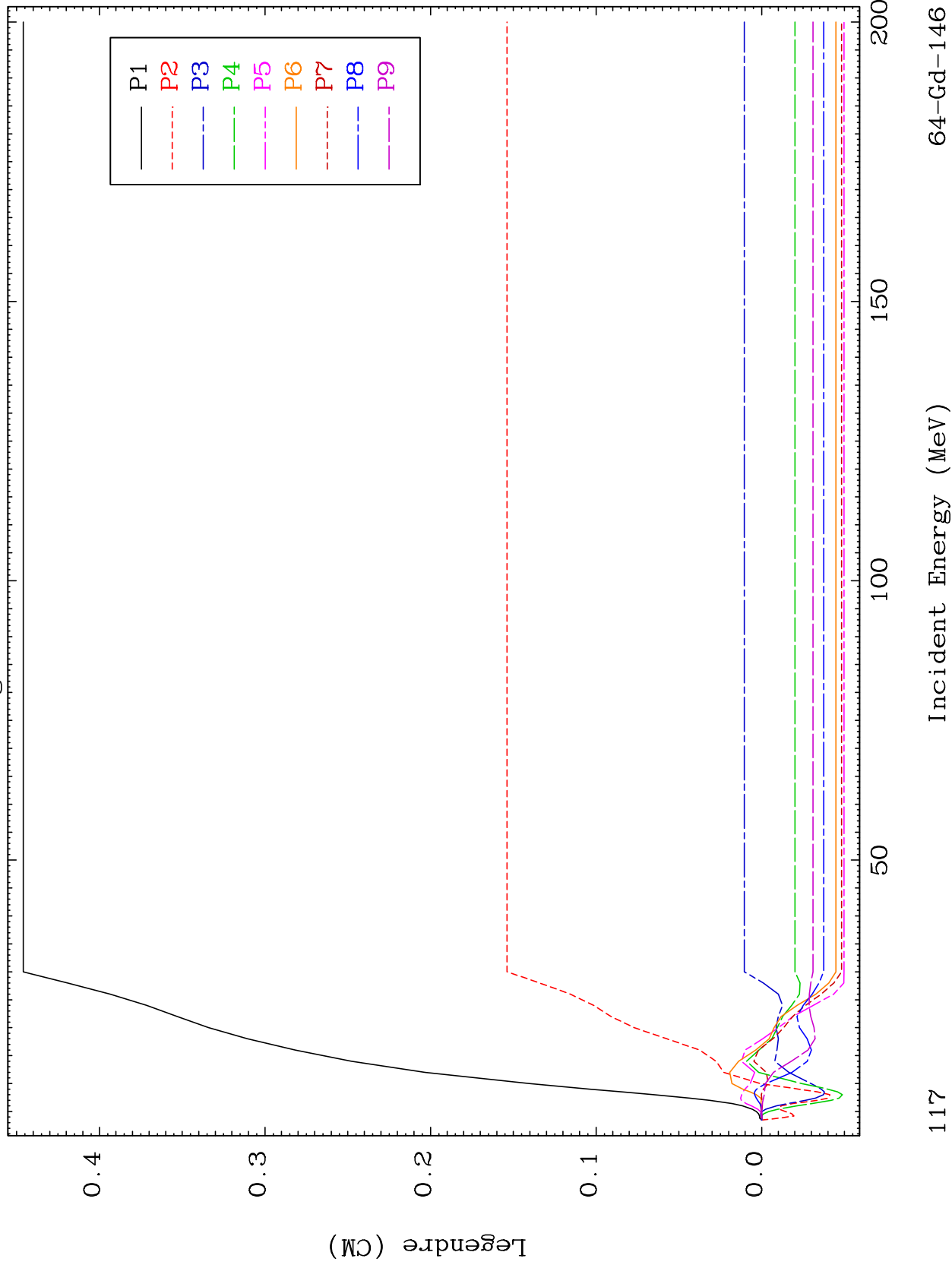
64-Gd-146



MAT 6407

3.436 MeV (n,n') Level  
Legendre Coefficients

64-Gd-146



117

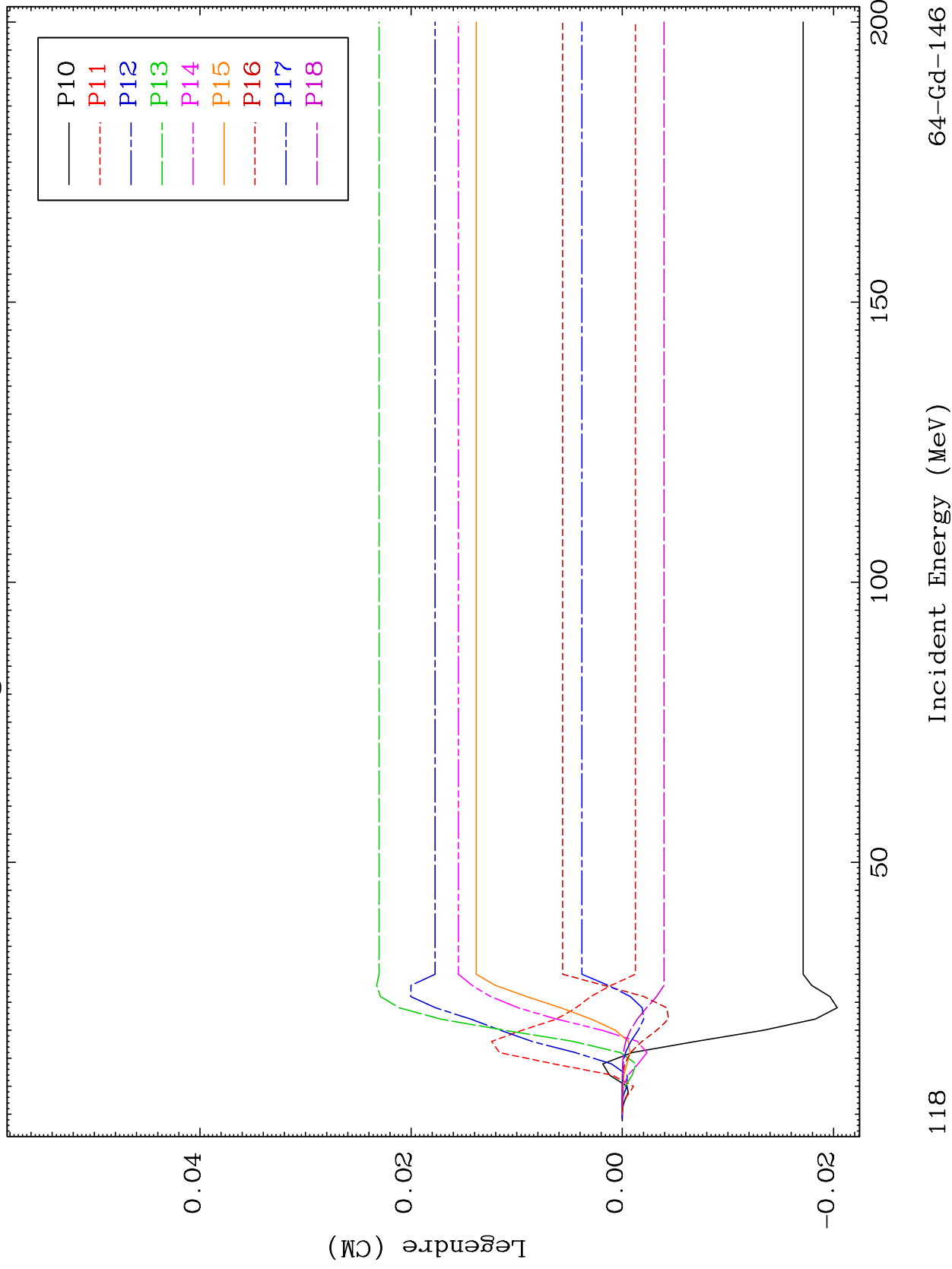
Incident Energy (MeV)

64-Gd-146

MAT 6407

3.436 MeV (n,n') Level  
Legendre Coefficients

64-Gd-146



118

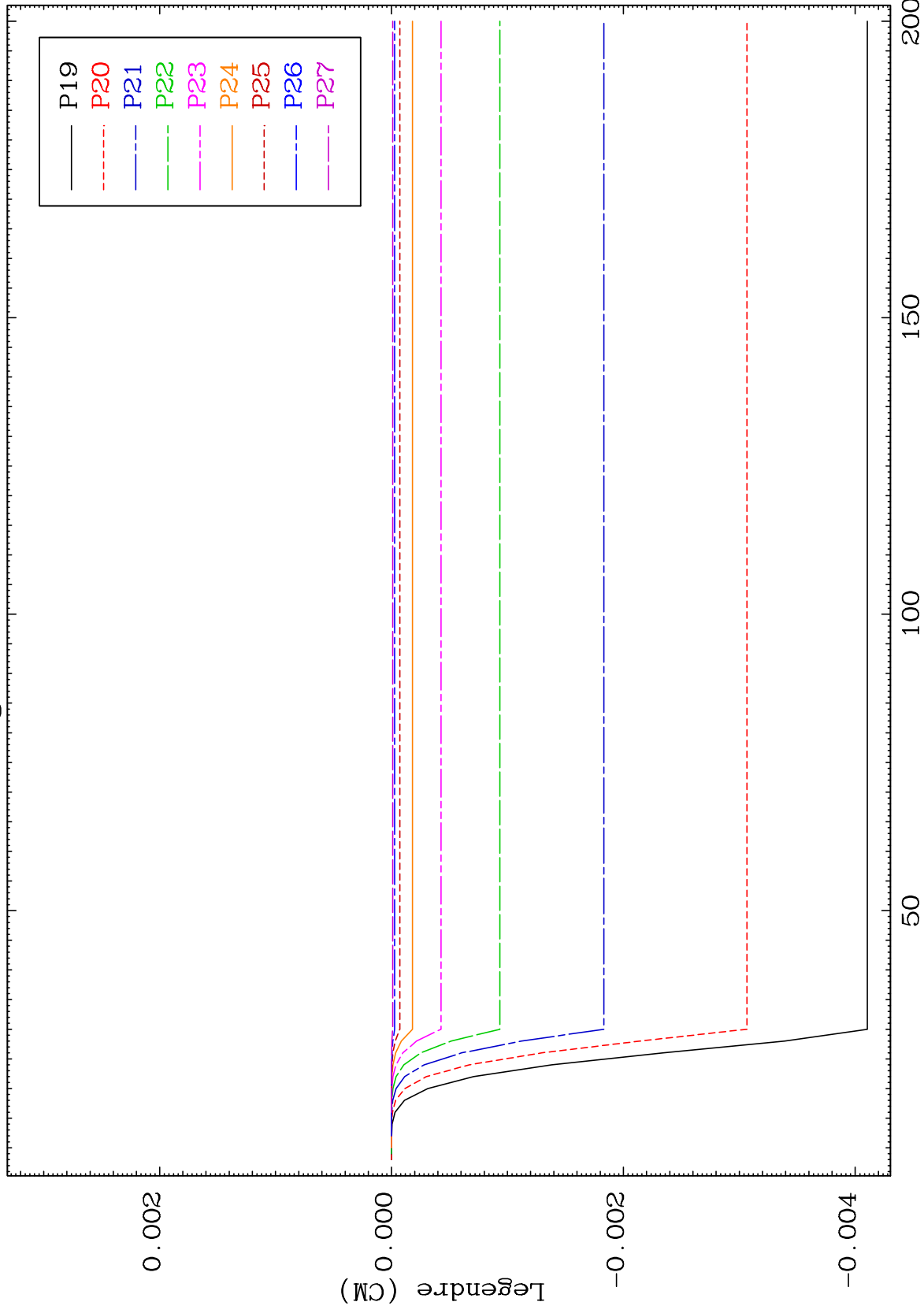
Incident Energy (MeV)

64-Gd-146

MAT 6407

3.436 MeV (n,n') Level  
Legendre Coefficients

64-Gd-146

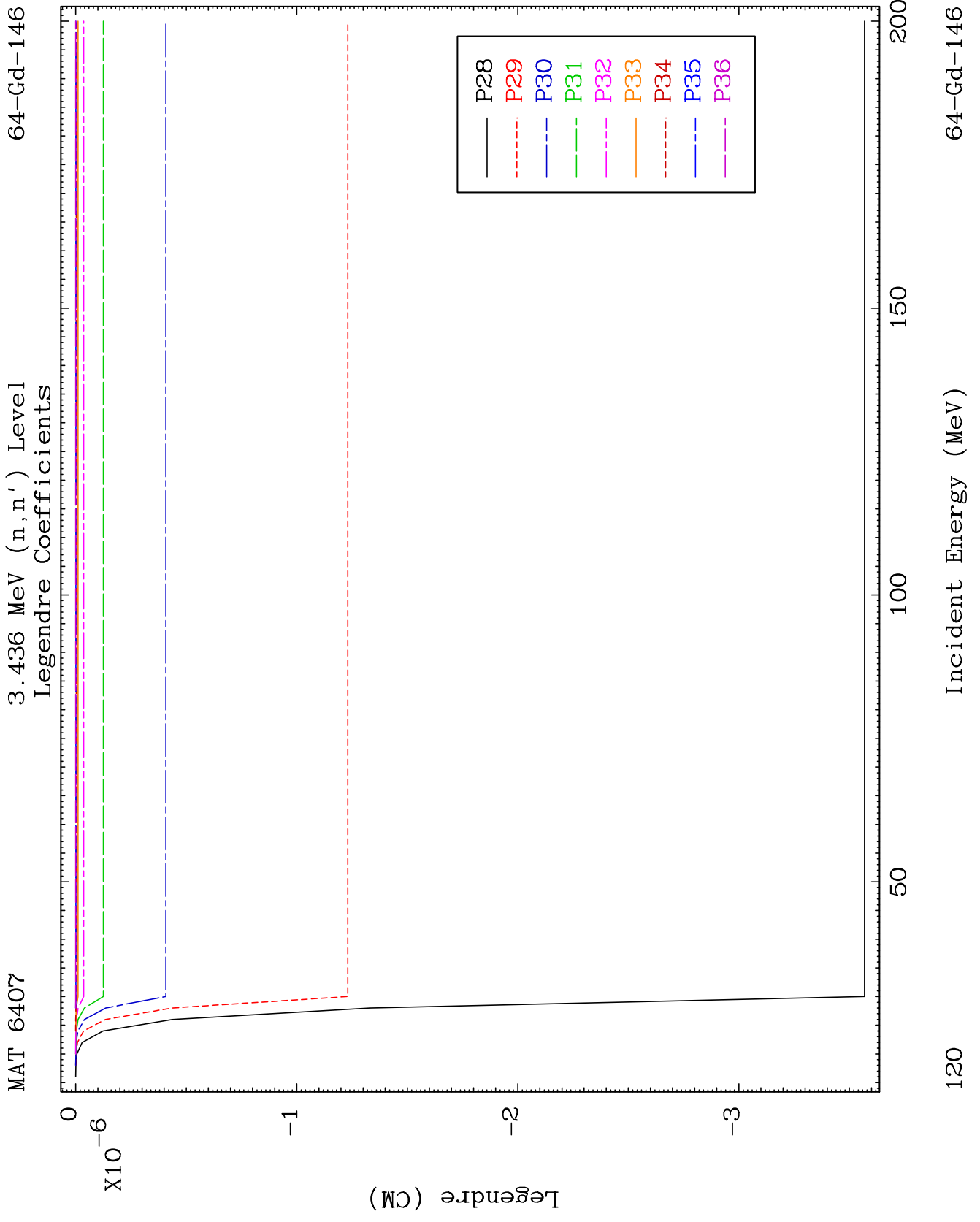


119

Incident Energy (MeV)

64-Gd-146

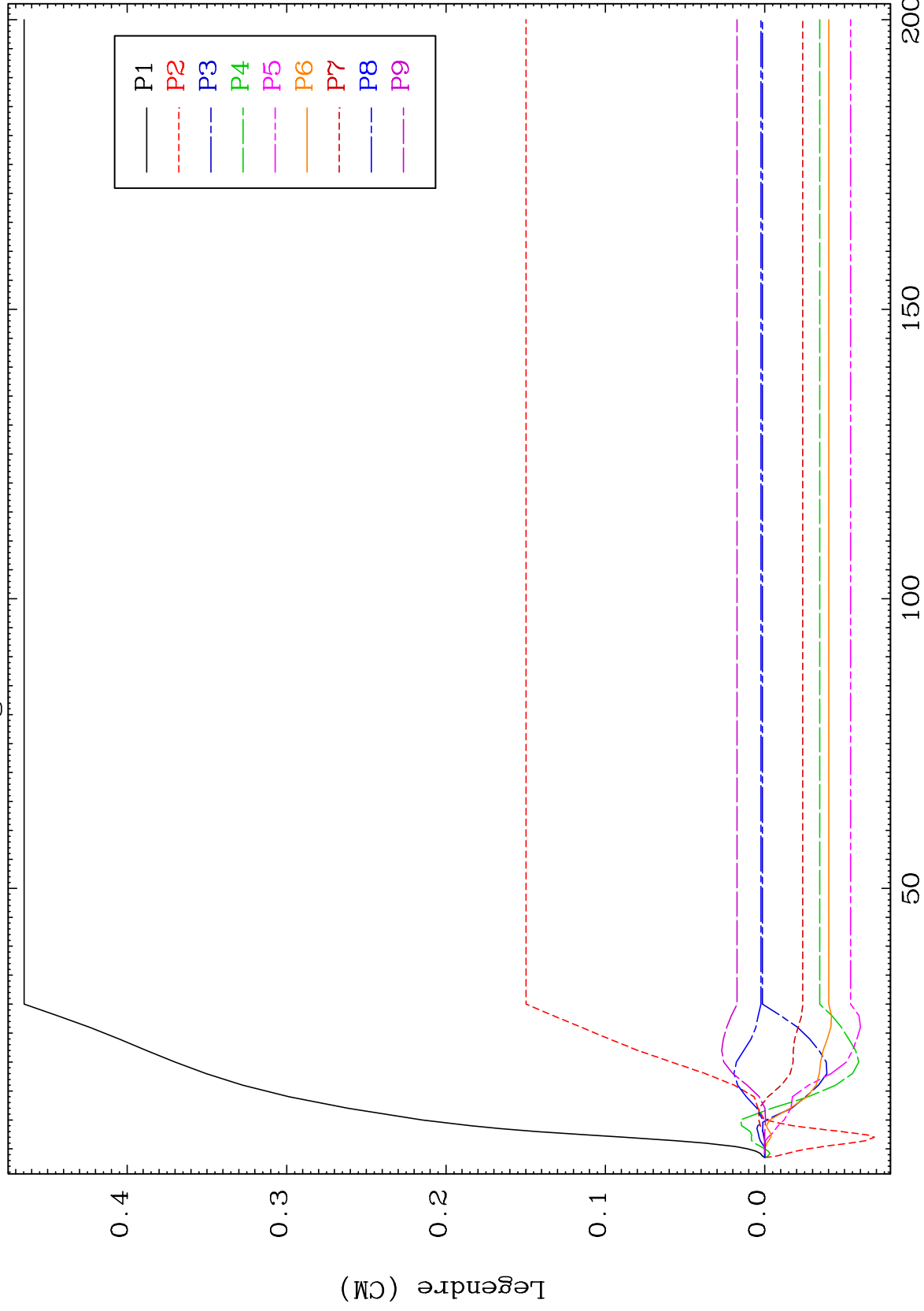




MAT 6407

3.456 MeV (n,n') Level  
Legendre Coefficients

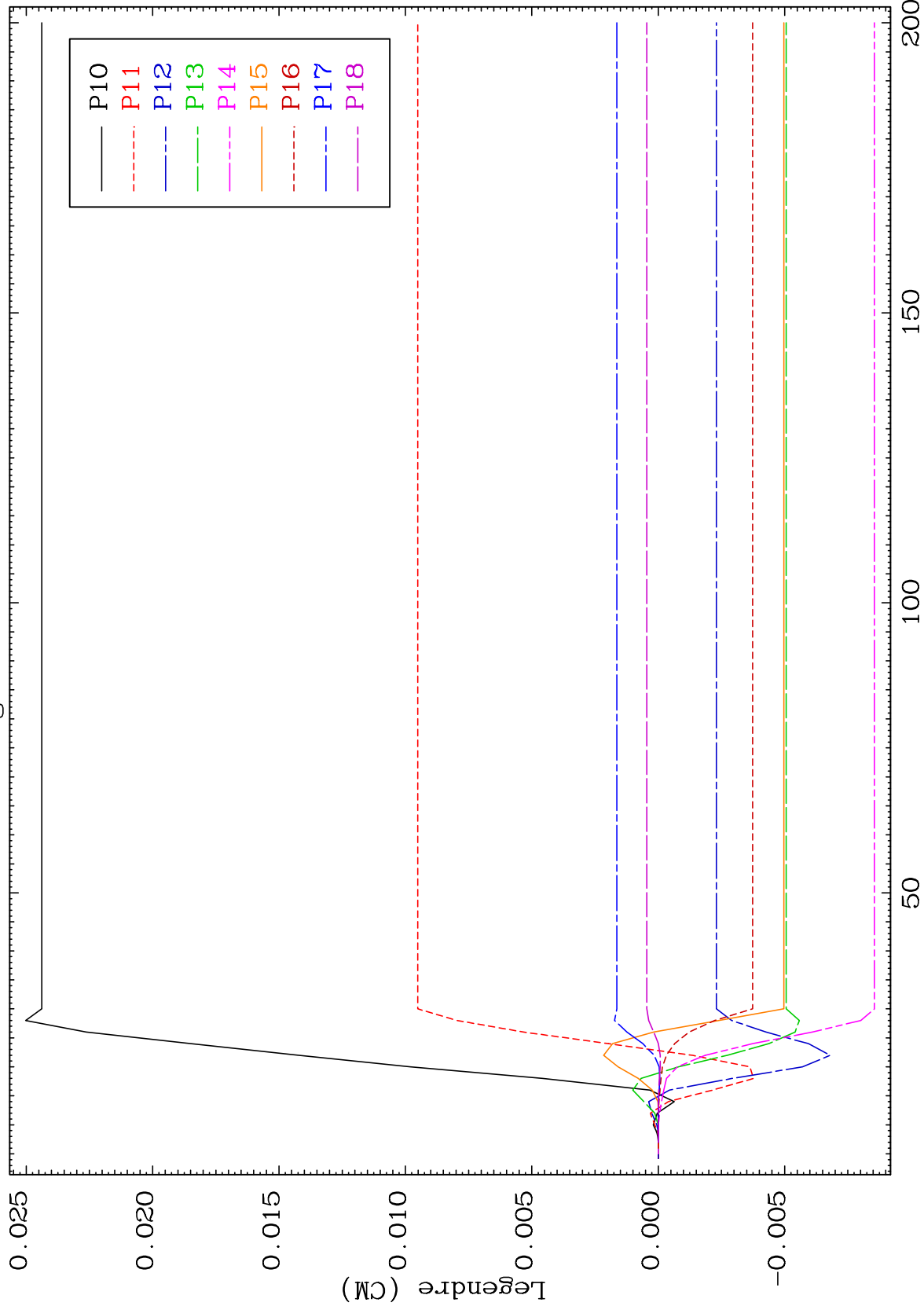
64-Gd-146

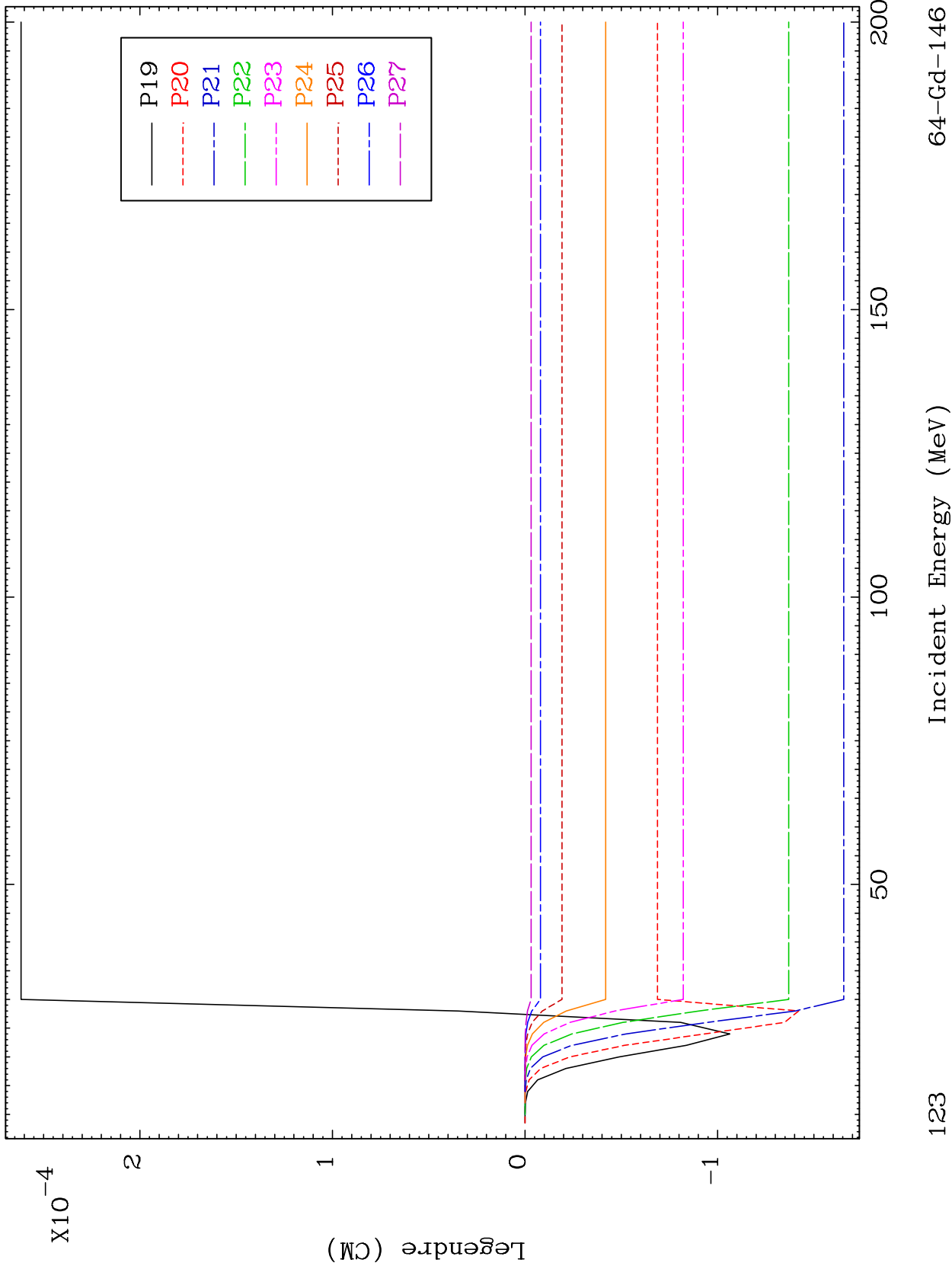


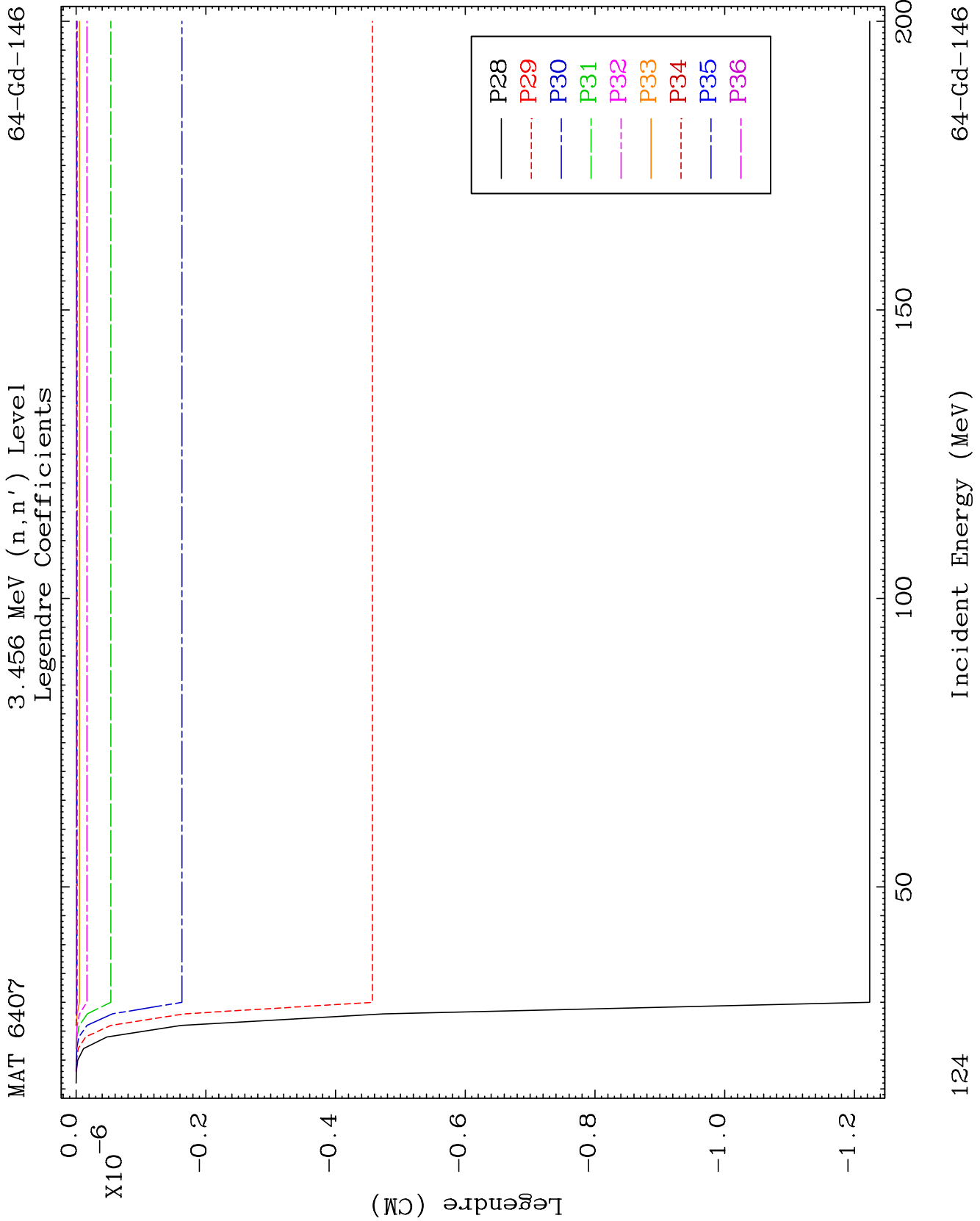
121

Incident Energy (MeV)

64-Gd-146





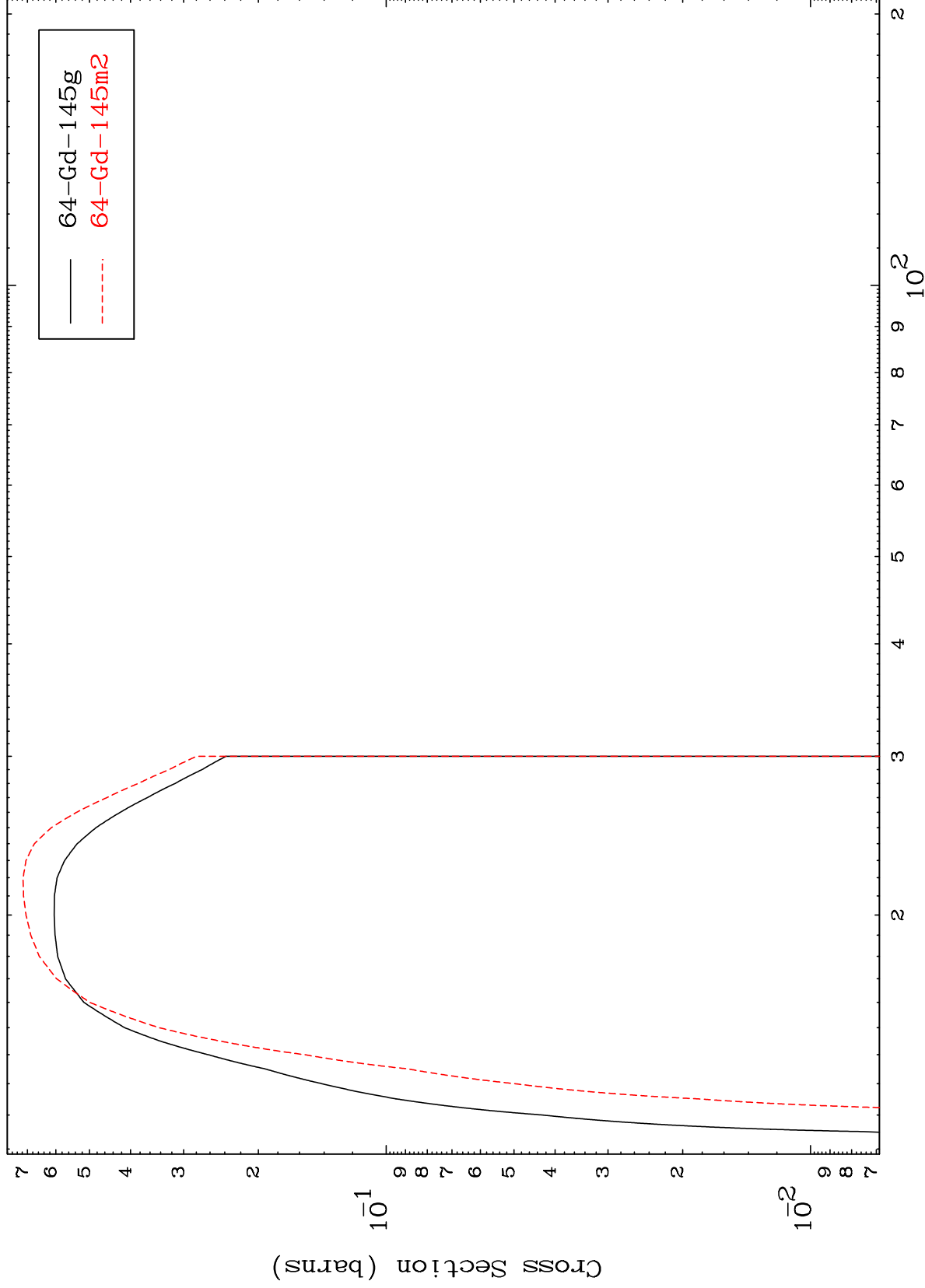


MAT 6407

(n,2n)

64-Gd-146

Radionuclide Production Cross Section



125

Incident Energy (MeV)

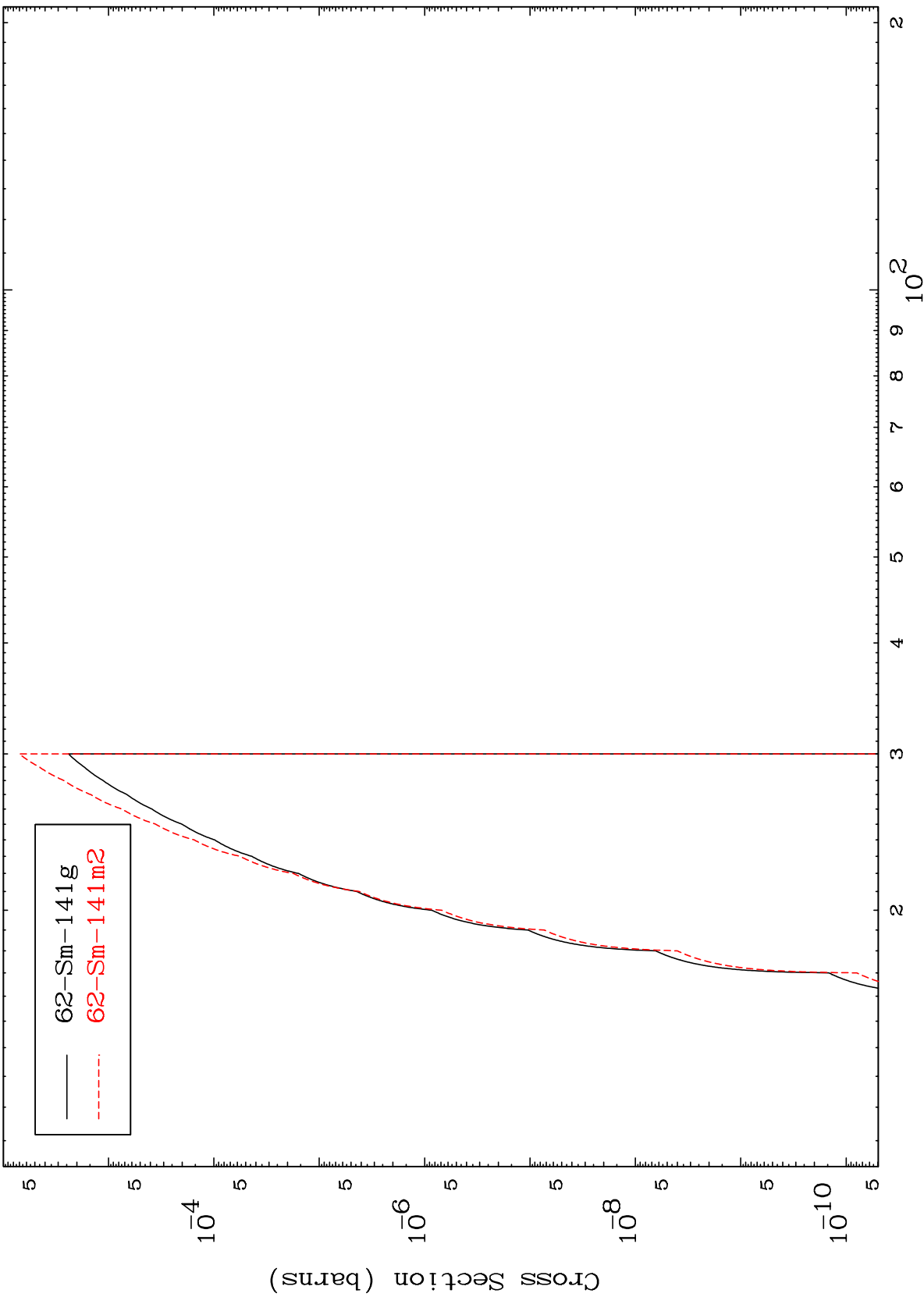
64-Gd-146

MAT 6407

(n,2n)  $\alpha$

64-Gd-146

Radionuclide Production Cross Section



126

Incident Energy (MeV)

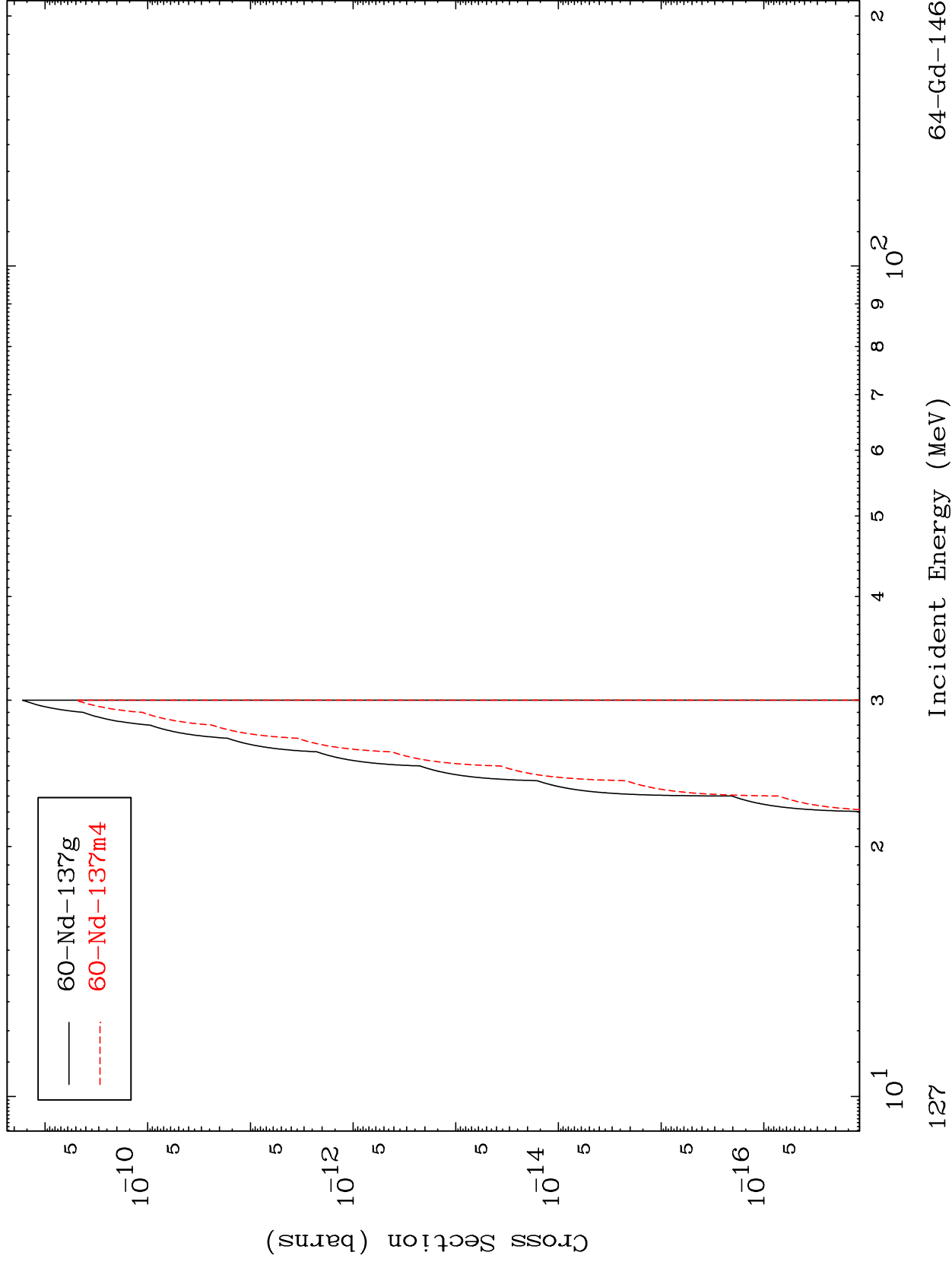
64-Gd-146

MAT 6407

(n,2n) 2 $\alpha$

64-Gd-146

Radionuclide Production Cross Section



127

Incident Energy (MeV)

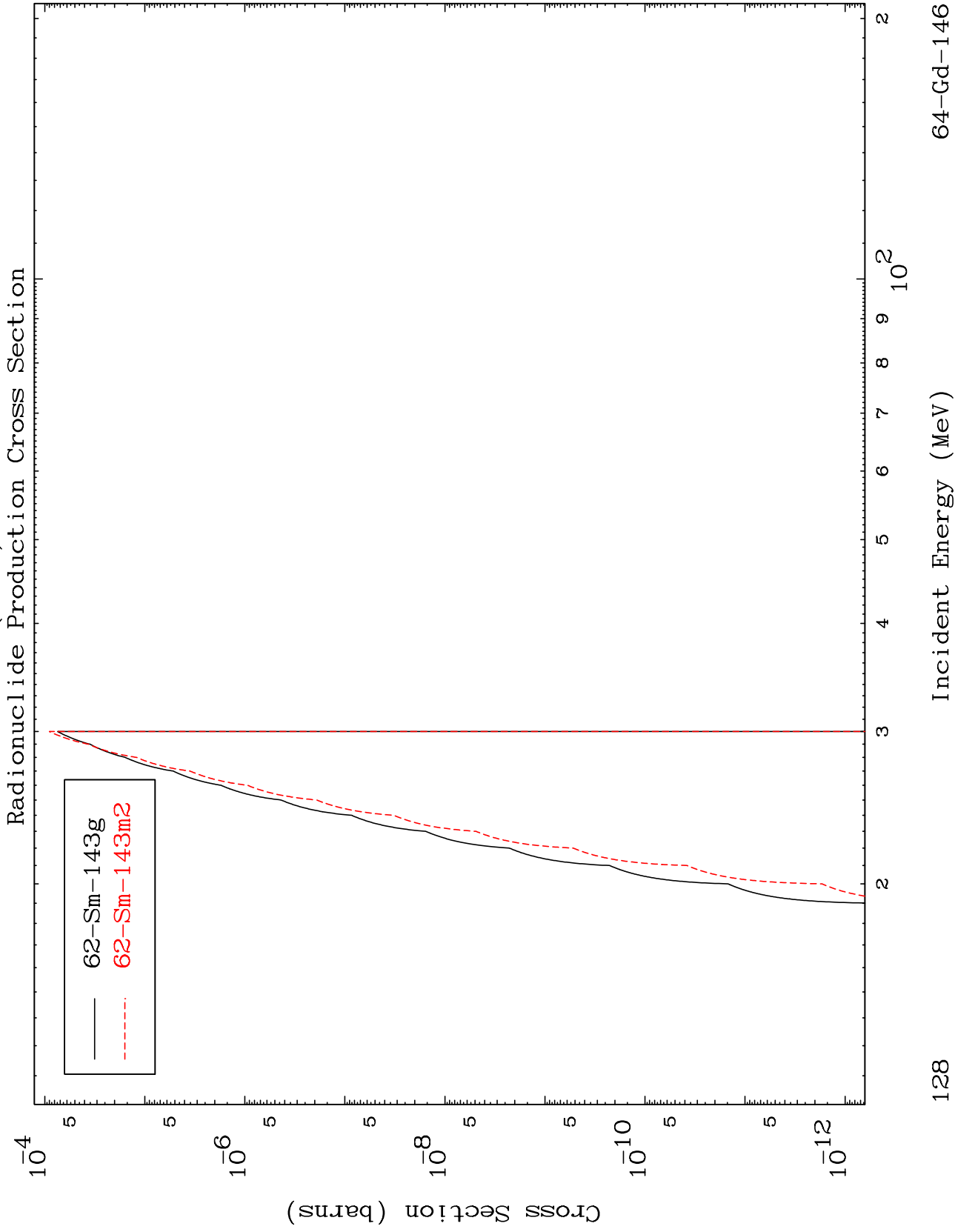
64-Gd-146



MAT 6407

(n,n') He-3

64-Gd-146



128

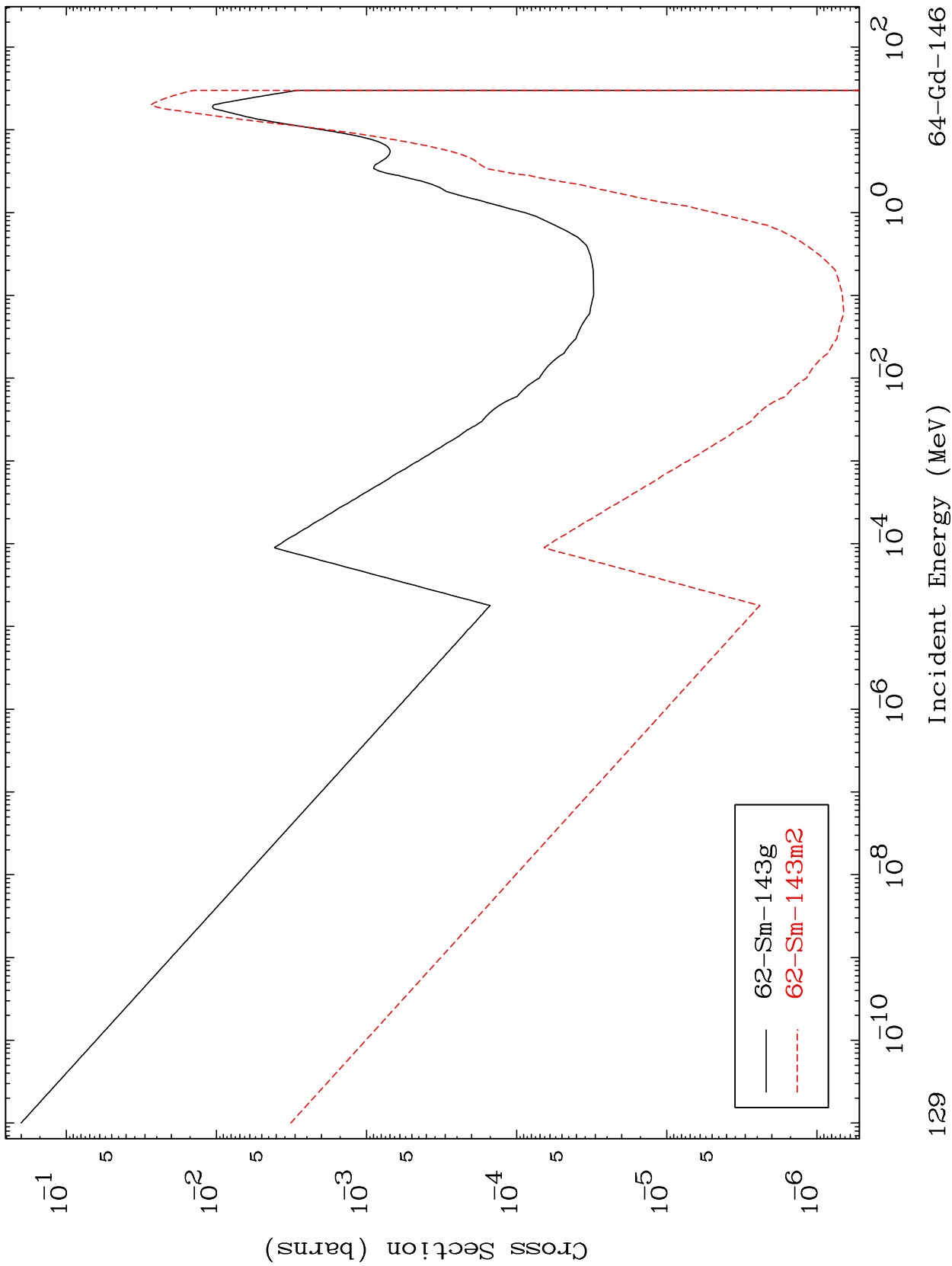
Incident Energy (MeV)

64-Gd-146

MAT 6407

64-Gd-146

$(n, \alpha)$   
Radionuclide Production Cross Section



129

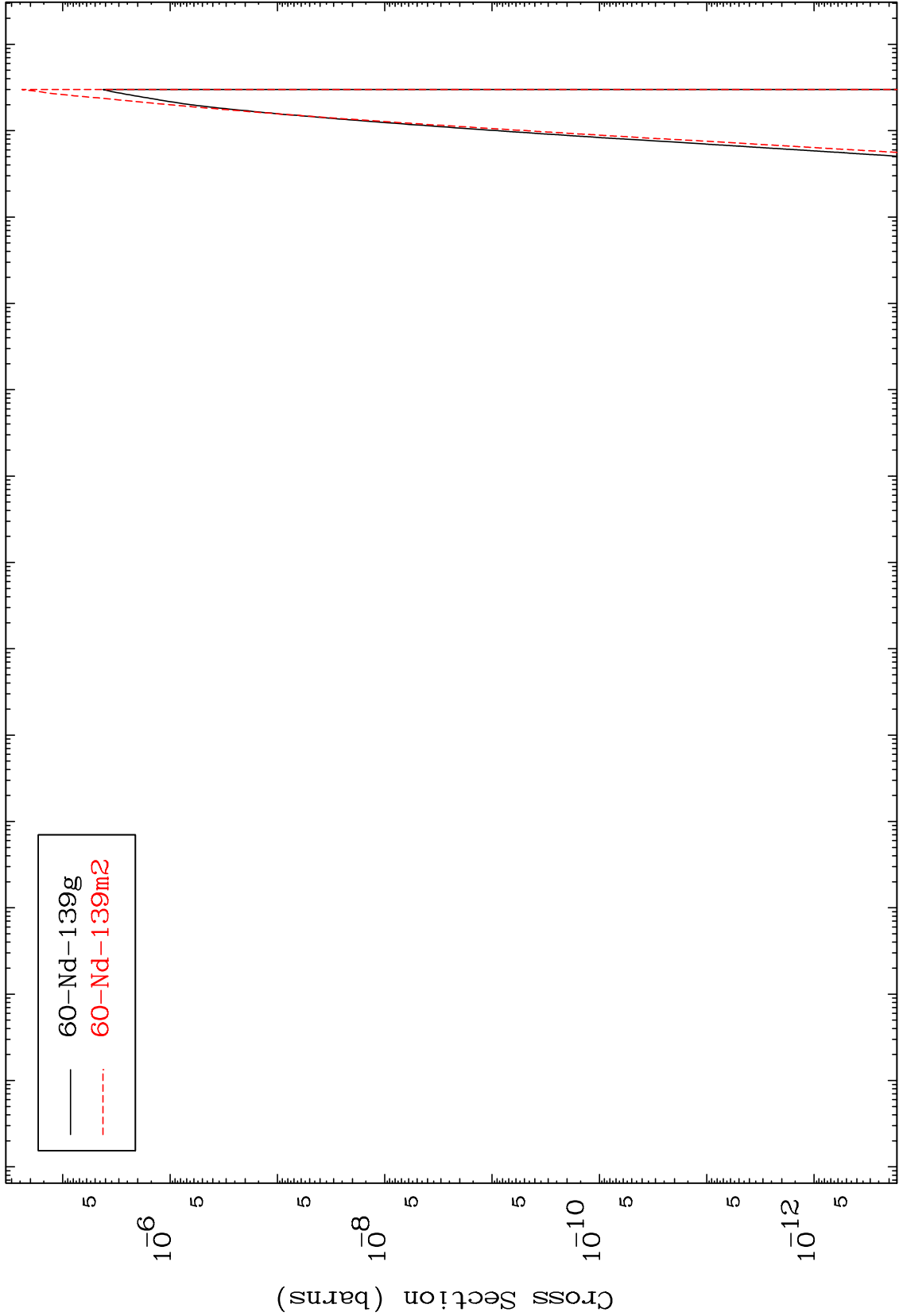
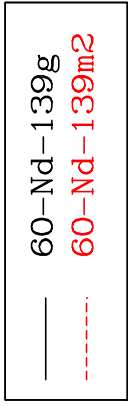
64-Gd-146

MAT 6407

(n,2α)

64-Gd-146

Radionuclide Production Cross Section



64-Gd-146

MAT 6407

(n,p) t

64-Gd-146

