

Program EVALPLOT  
(Version 2015-2)

by

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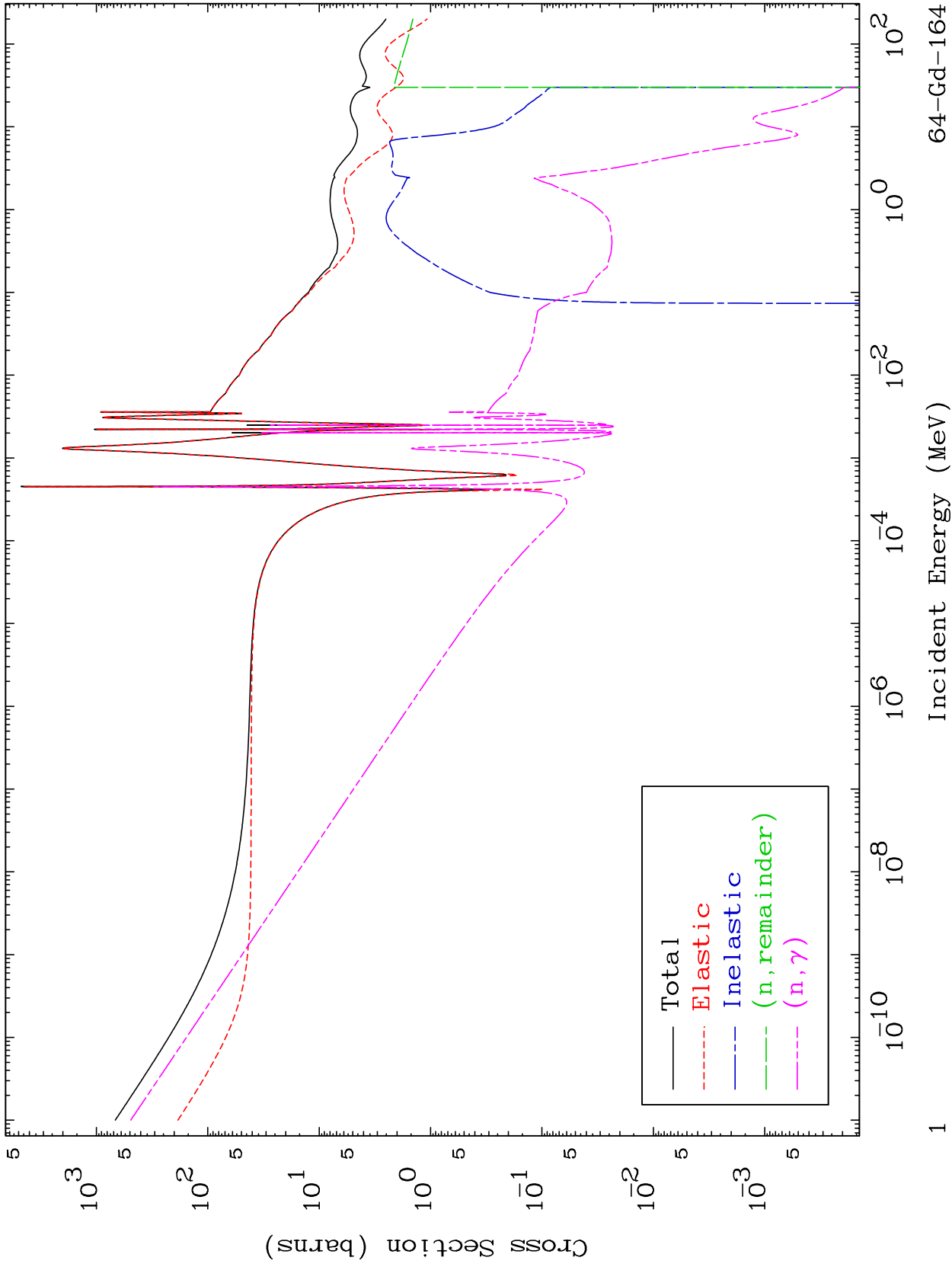
Press Mouse Button to Start

MAT 6461

Major

293 Kelvin Cross Sections

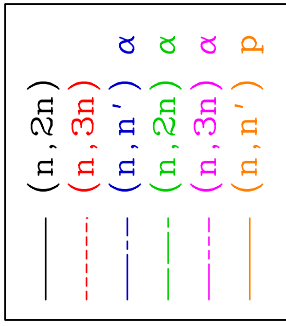
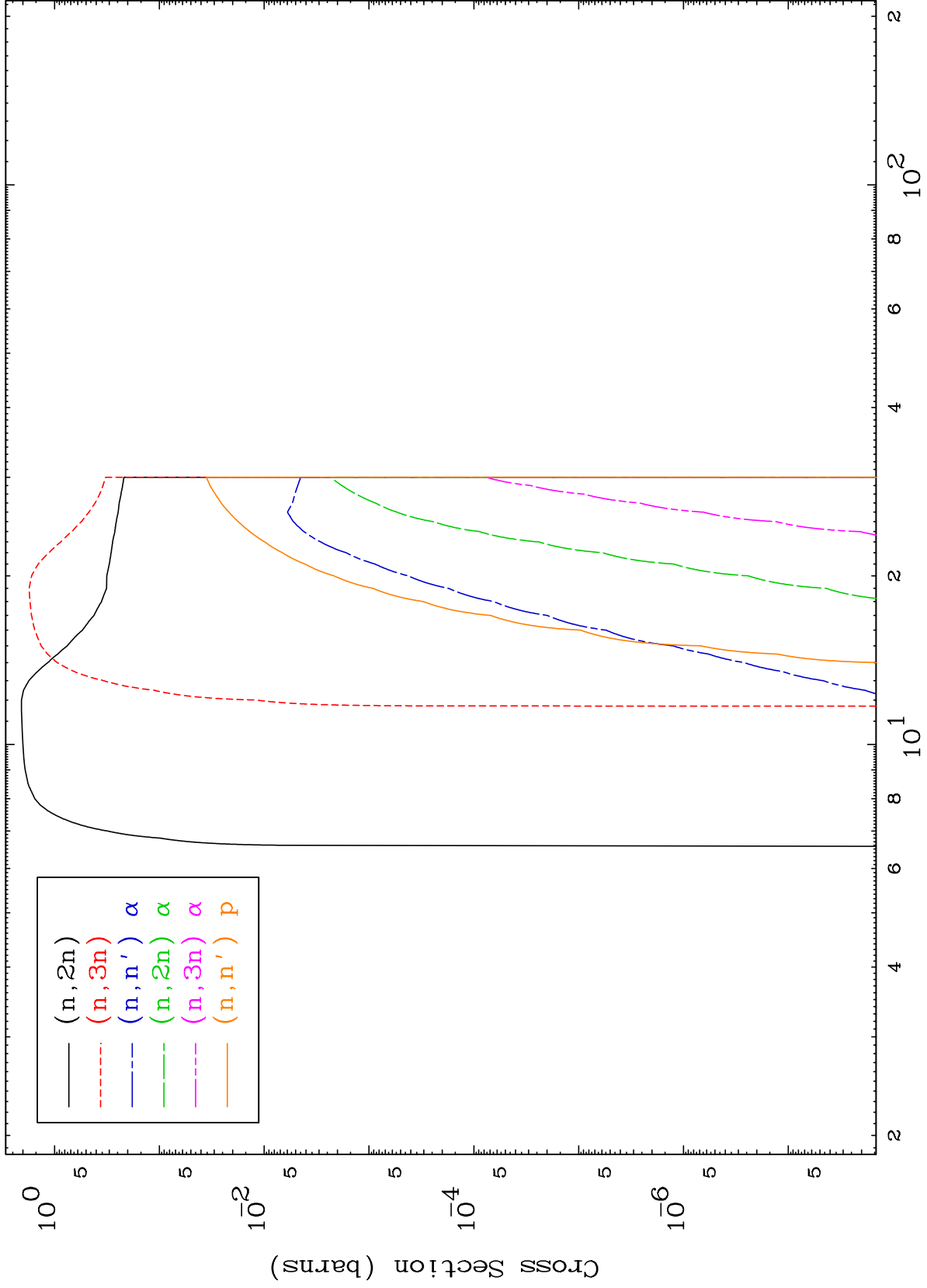
64-Gd-164



MAT 6461

Neutron Production  
293 Kelvin Cross Sections

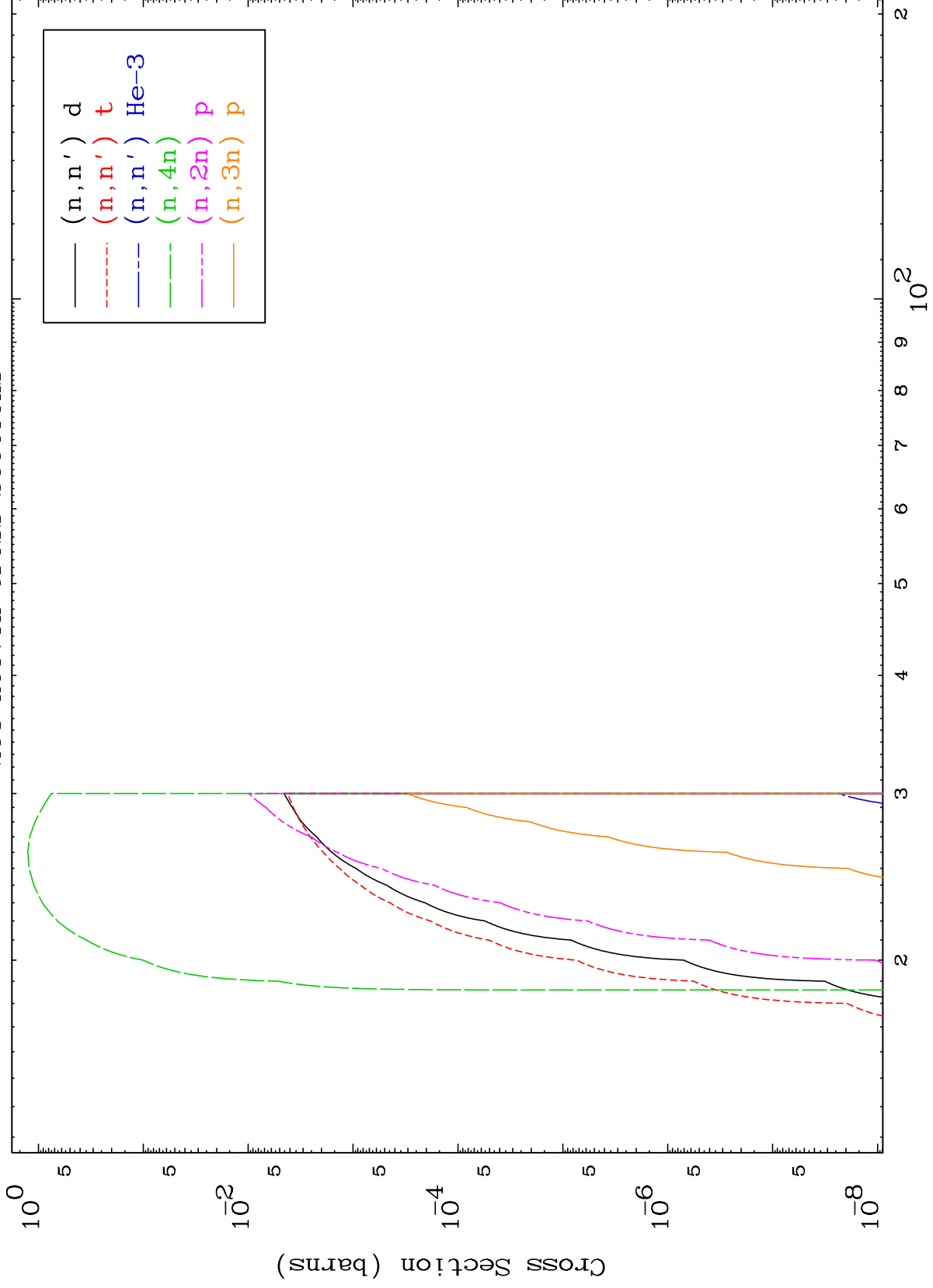
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2

Incident Energy (MeV)

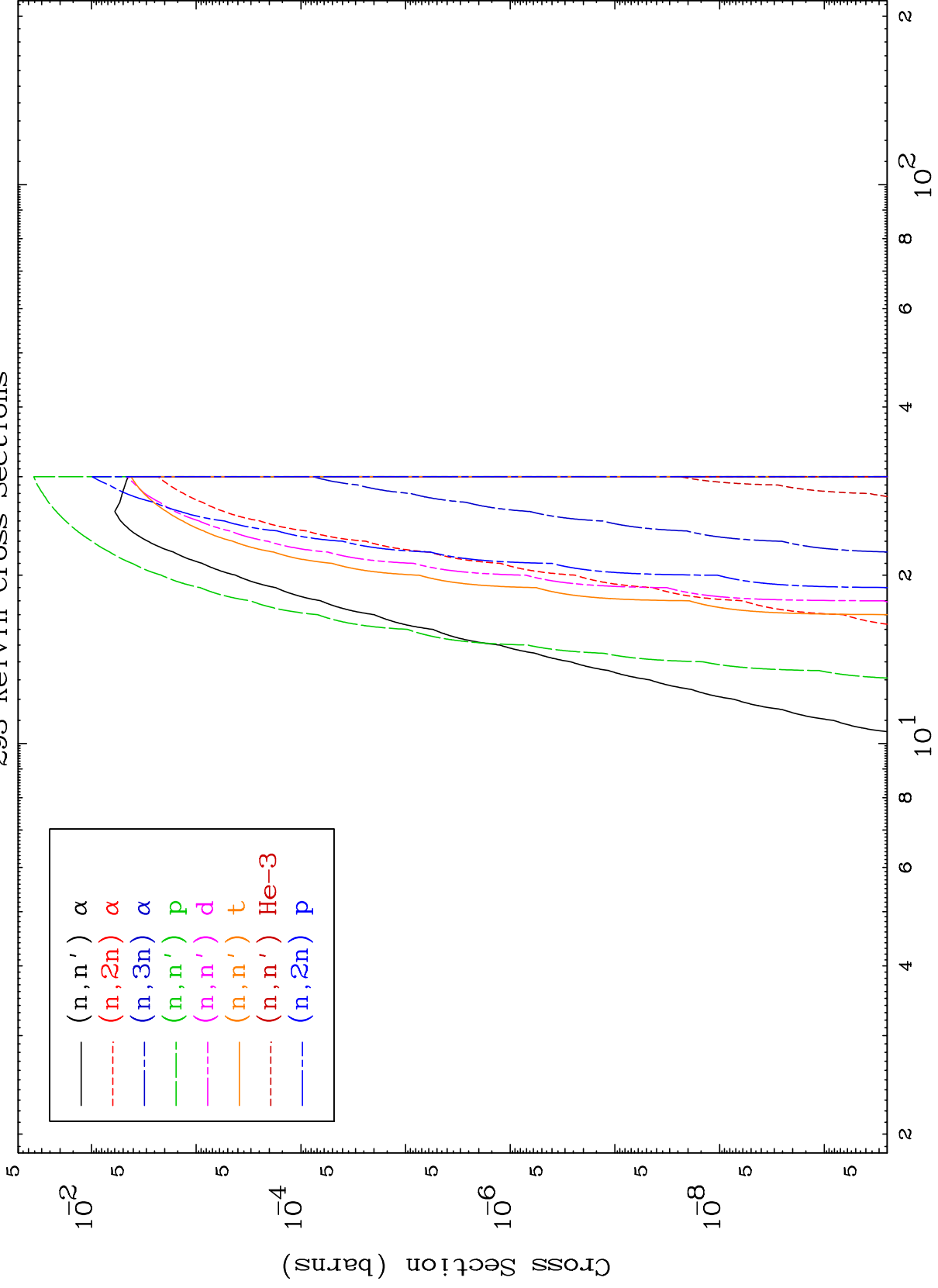
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MAT 6461

Charged Particle  
293 Kelvin Cross Sections

64-Gd-164



4

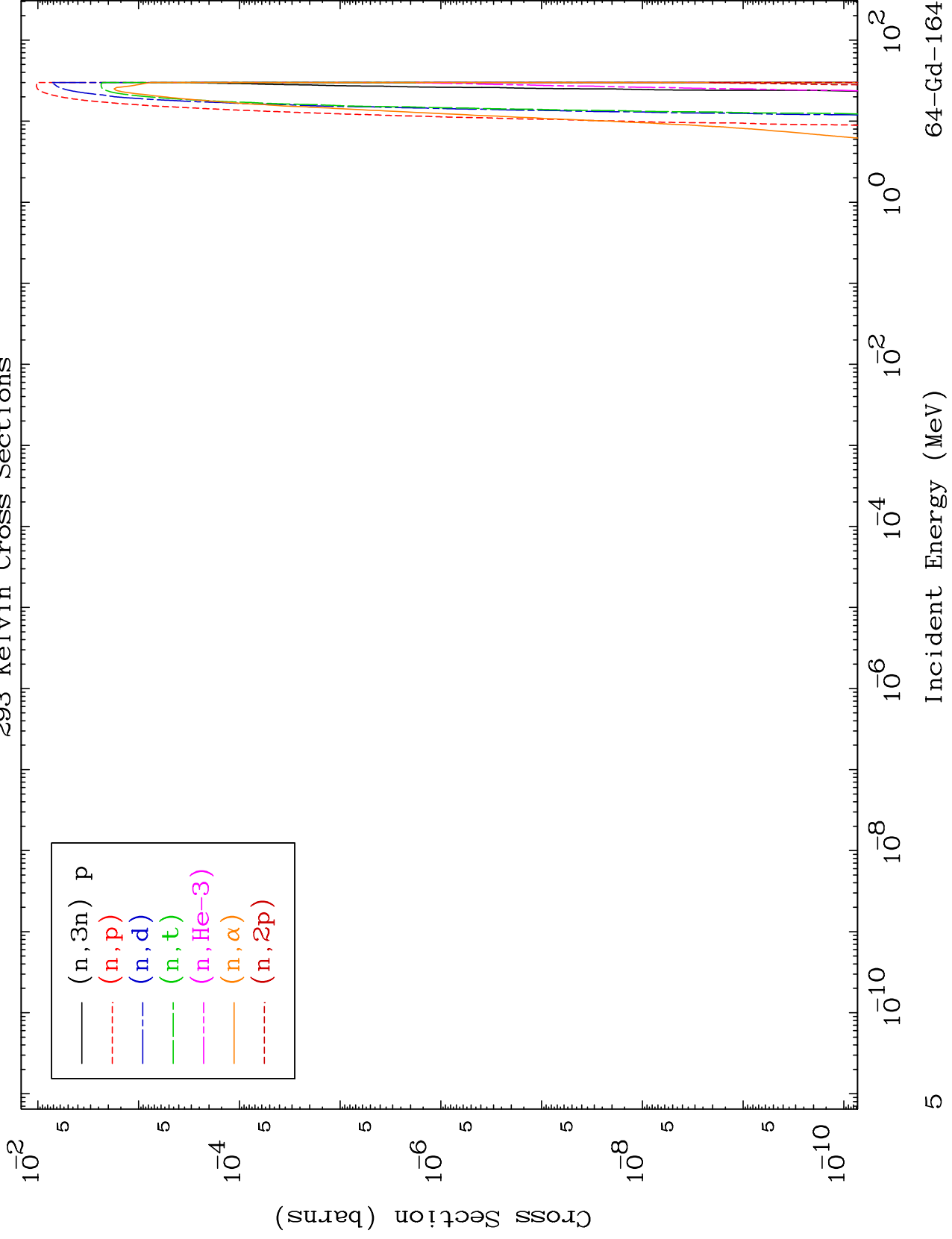
Incident Energy (MeV)

64-Gd-164

MAT 6461

Charged Particle  
293 Kelvin Cross Sections

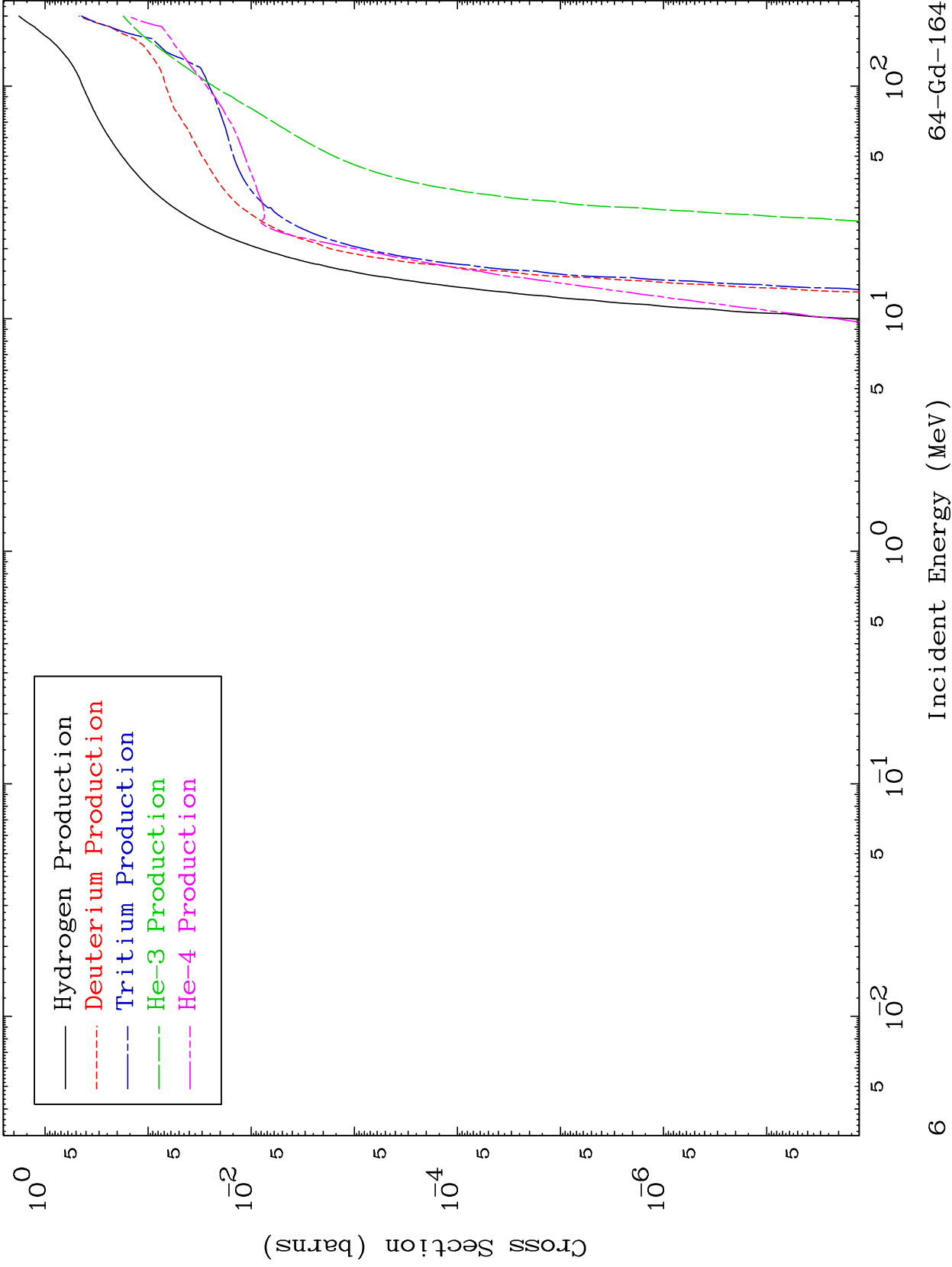
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MAT 6461

Particle Production  
293 Kelvin Cross Sections

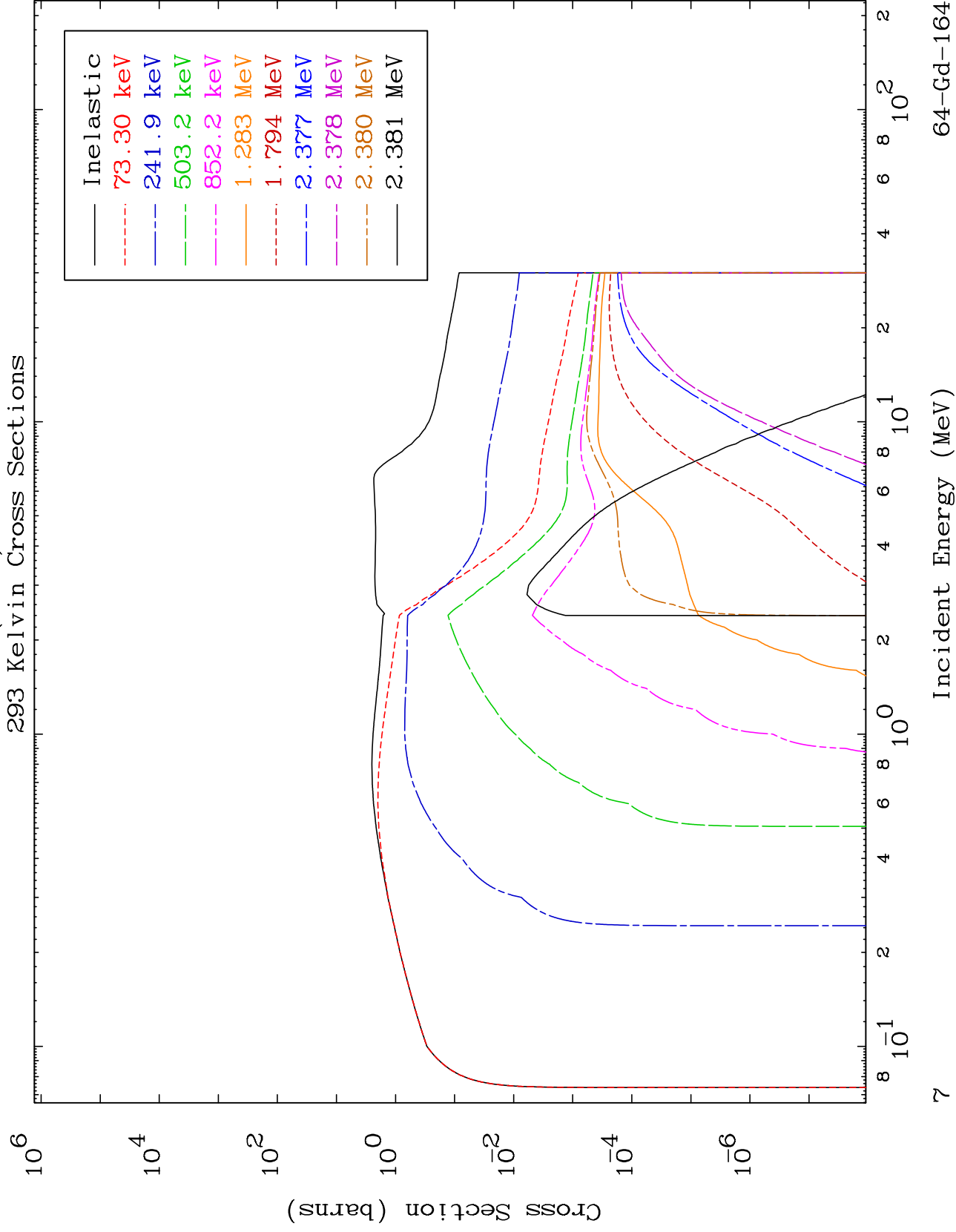
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MAT 6461

(n,n') Level  
293 Kelvin Cross Sections

64-Gd-164



7

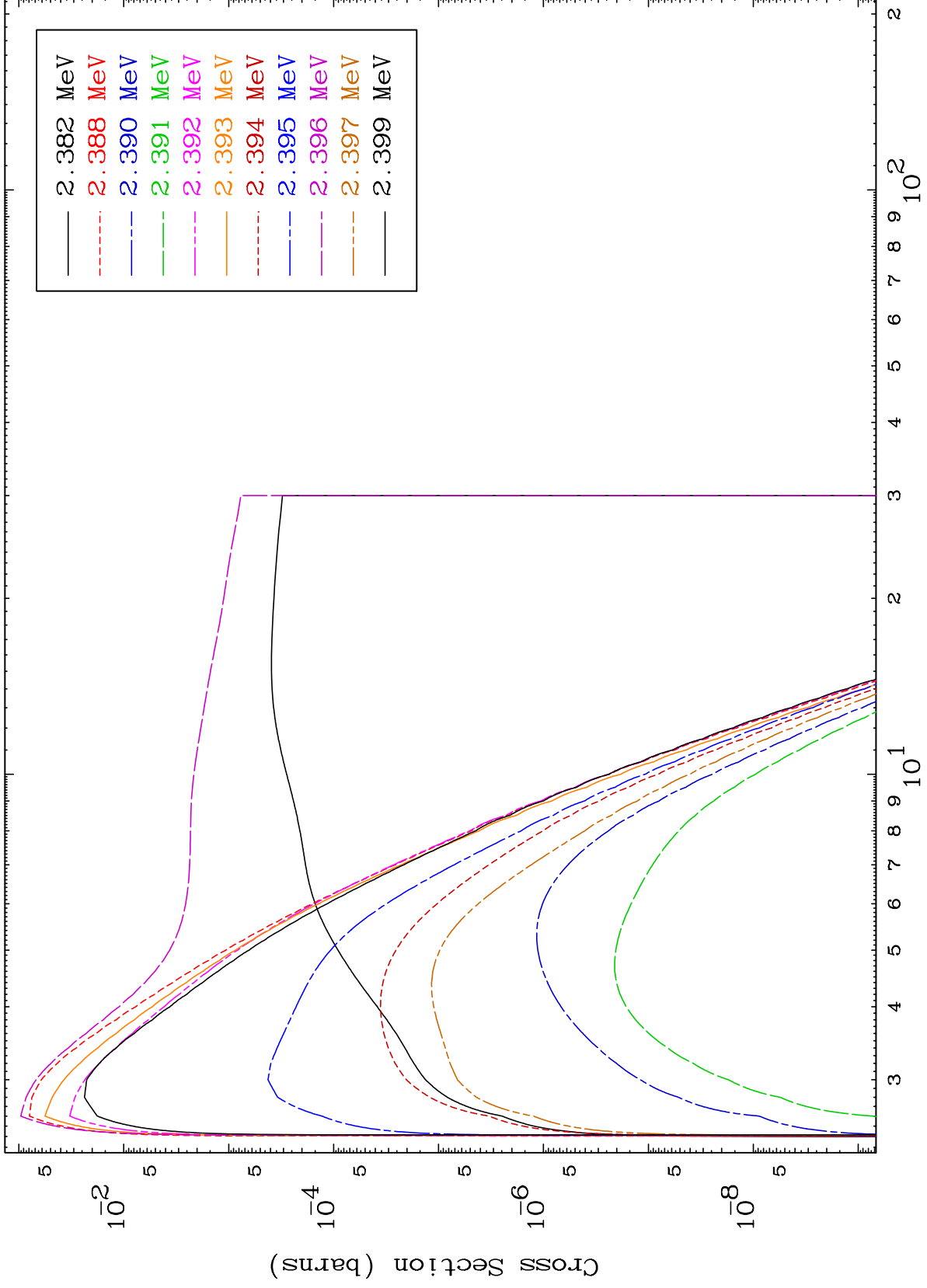
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MAT 6461

(n,n') Level  
293 Kelvin Cross Sections

64-Gd-164



8

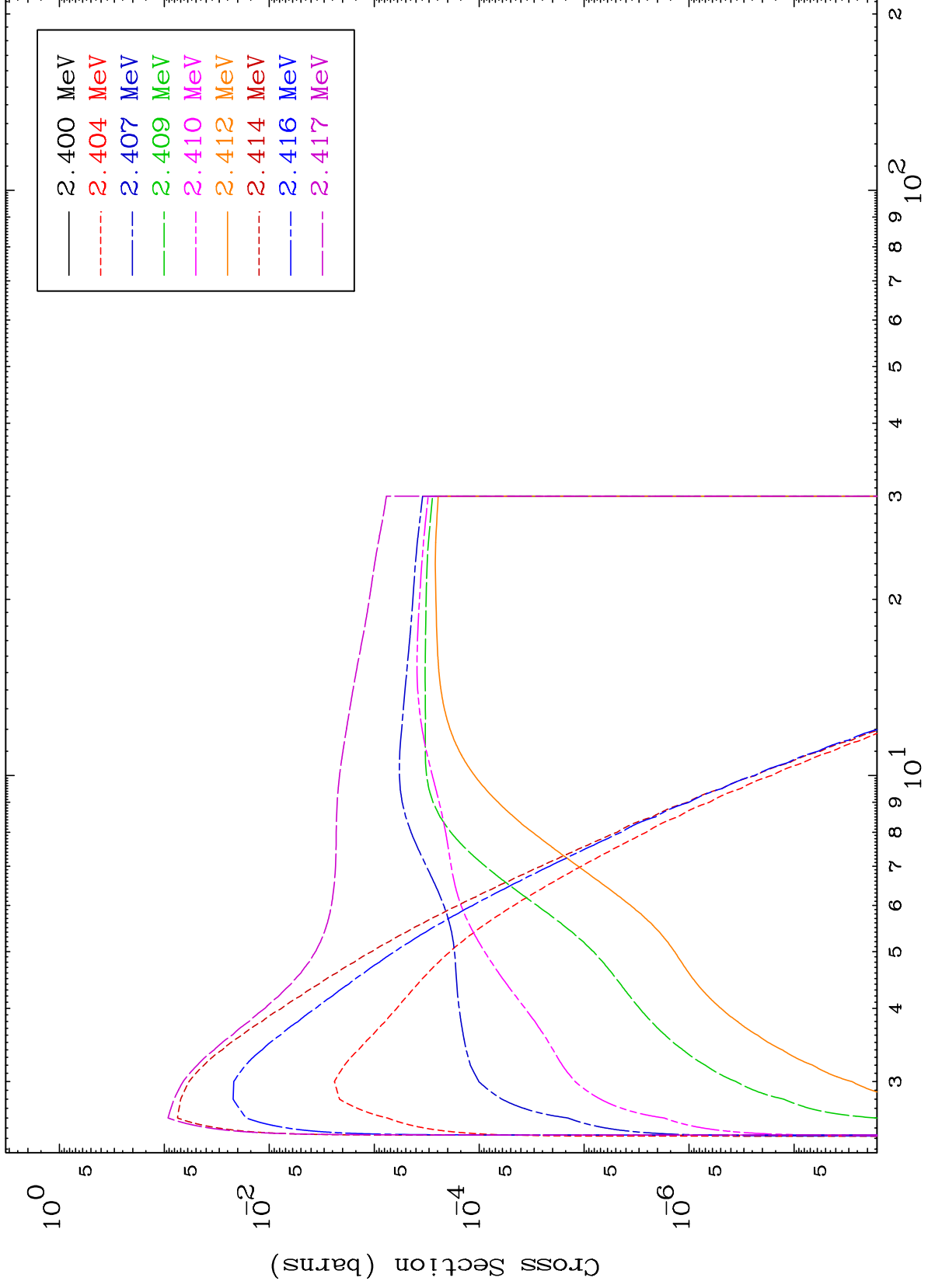
Incident Energy (MeV)

64-Gd-164

MAT 6461

(n,n') Level  
293 Kelvin Cross Sections

64-Gd-164



9

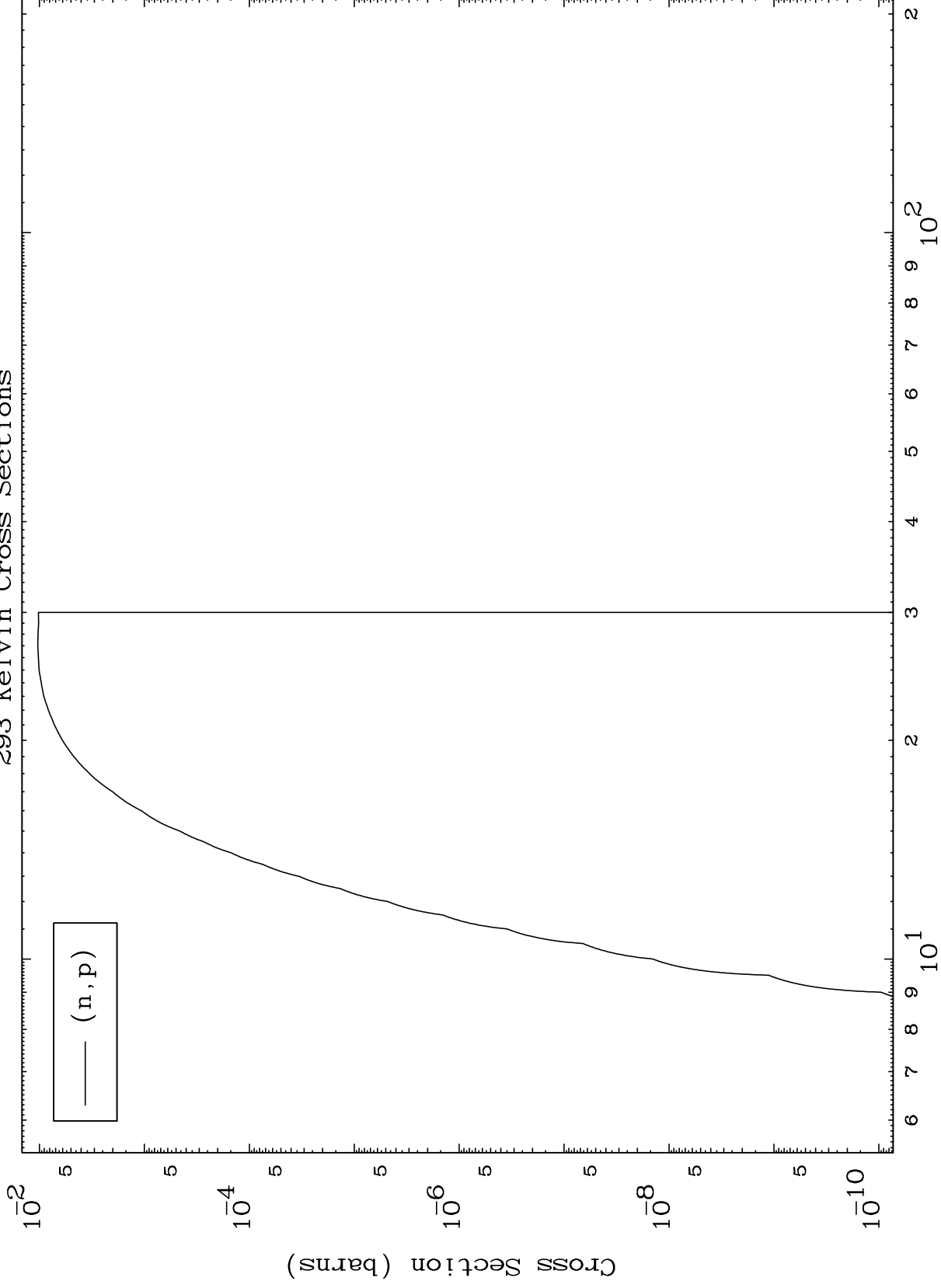
Incident Energy (MeV)

64-Gd-164

MAT 6461

(n,p) Levels  
293 Kelvin Cross Sections

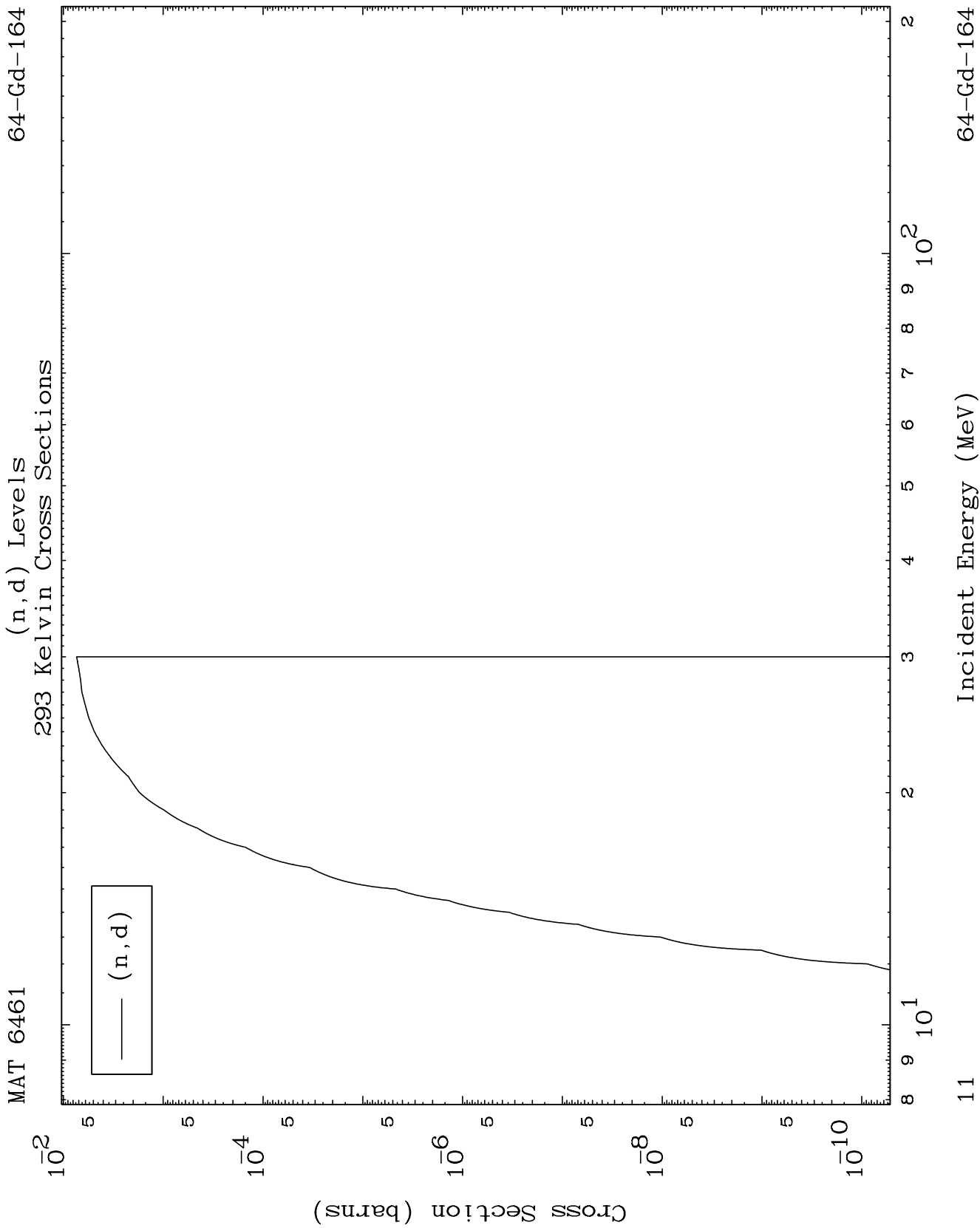
64-Gd-164



10

Incident Energy (MeV)

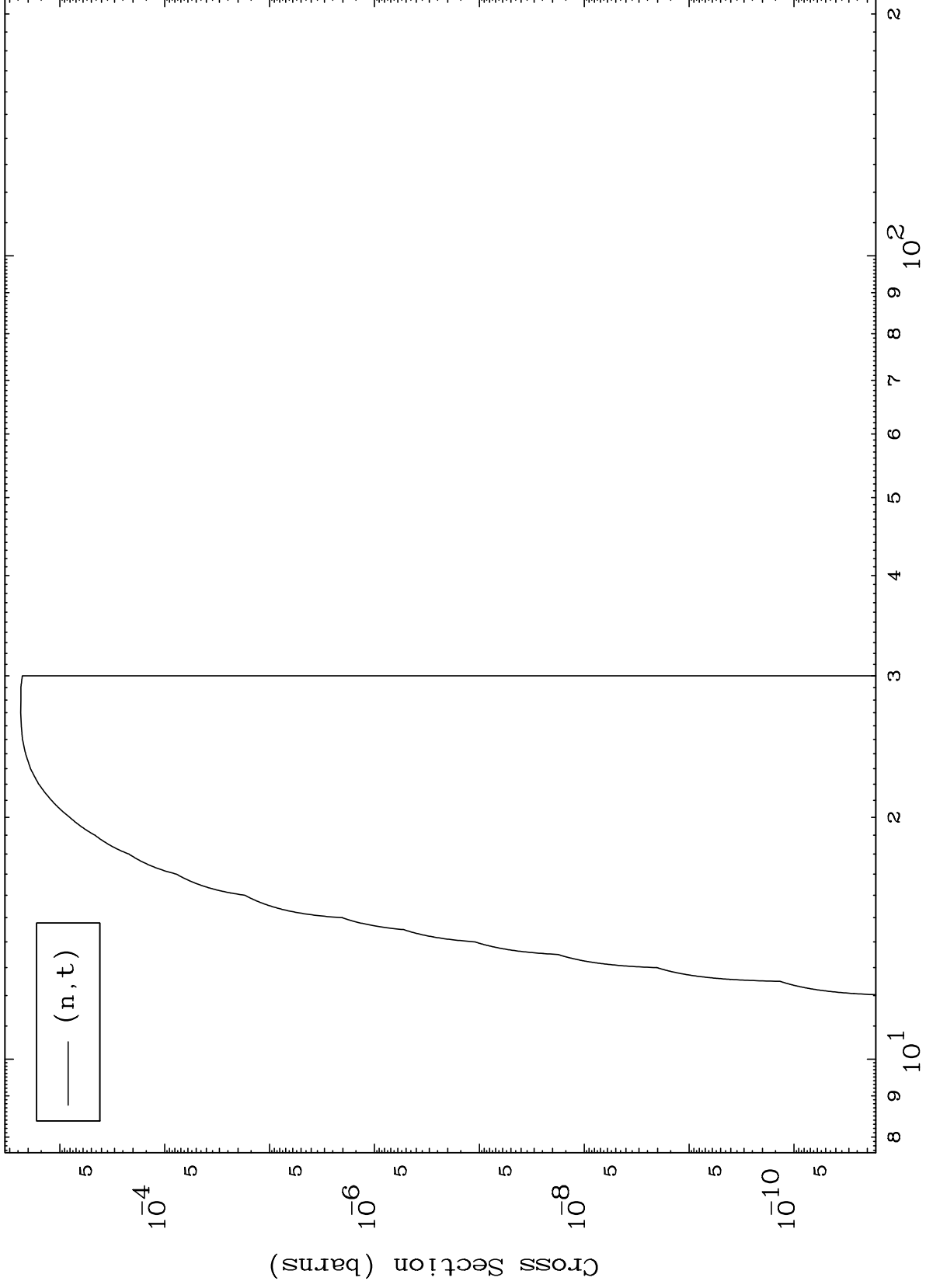
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MAT 6461

(n,t) Levels  
293 Kelvin Cross Sections

64-Gd-164



12

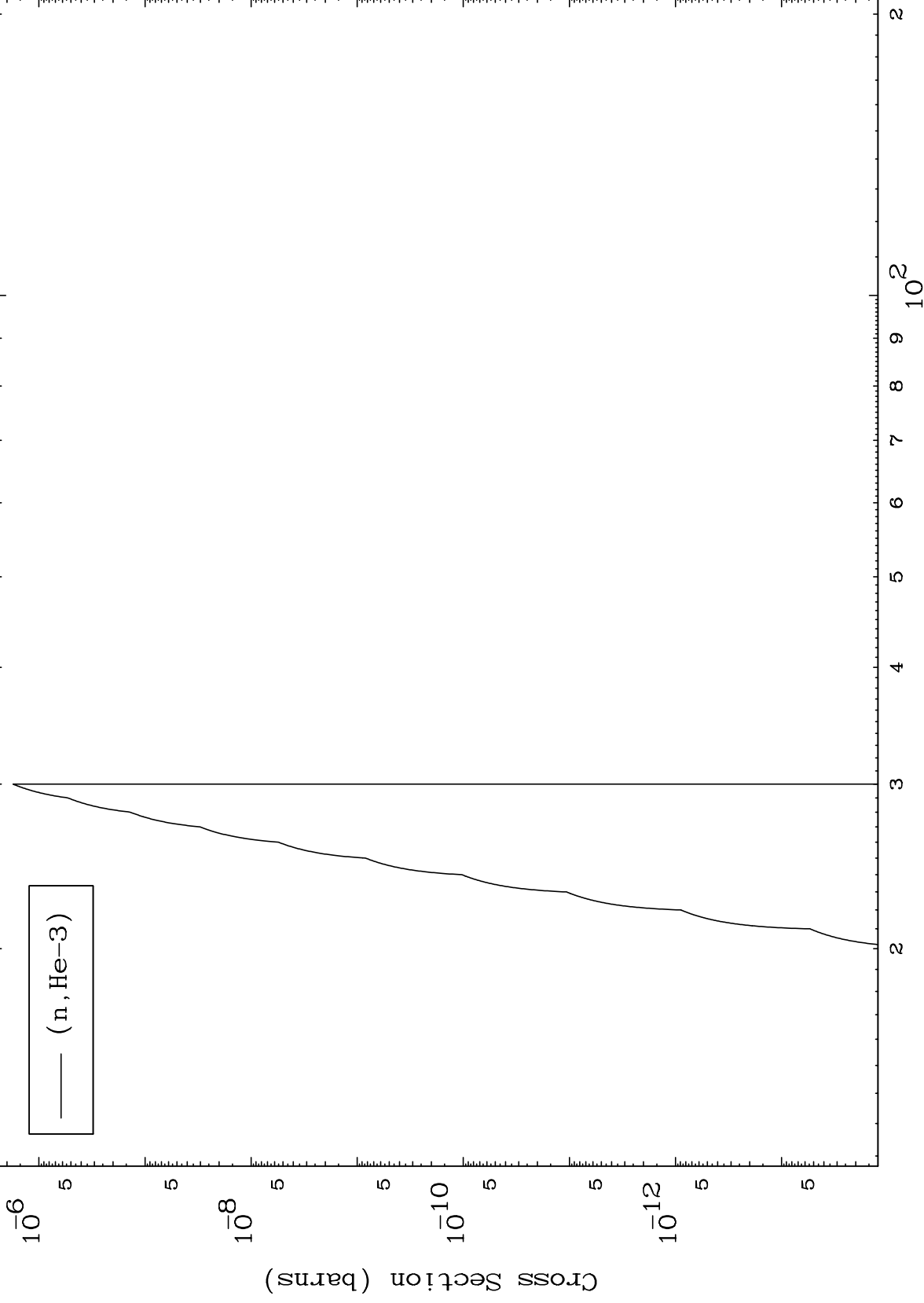
Incident Energy (MeV)

64-Gd-164

MAT 6461

(n,He3) Levels  
293 Kelvin Cross Sections

64-Gd-164



13

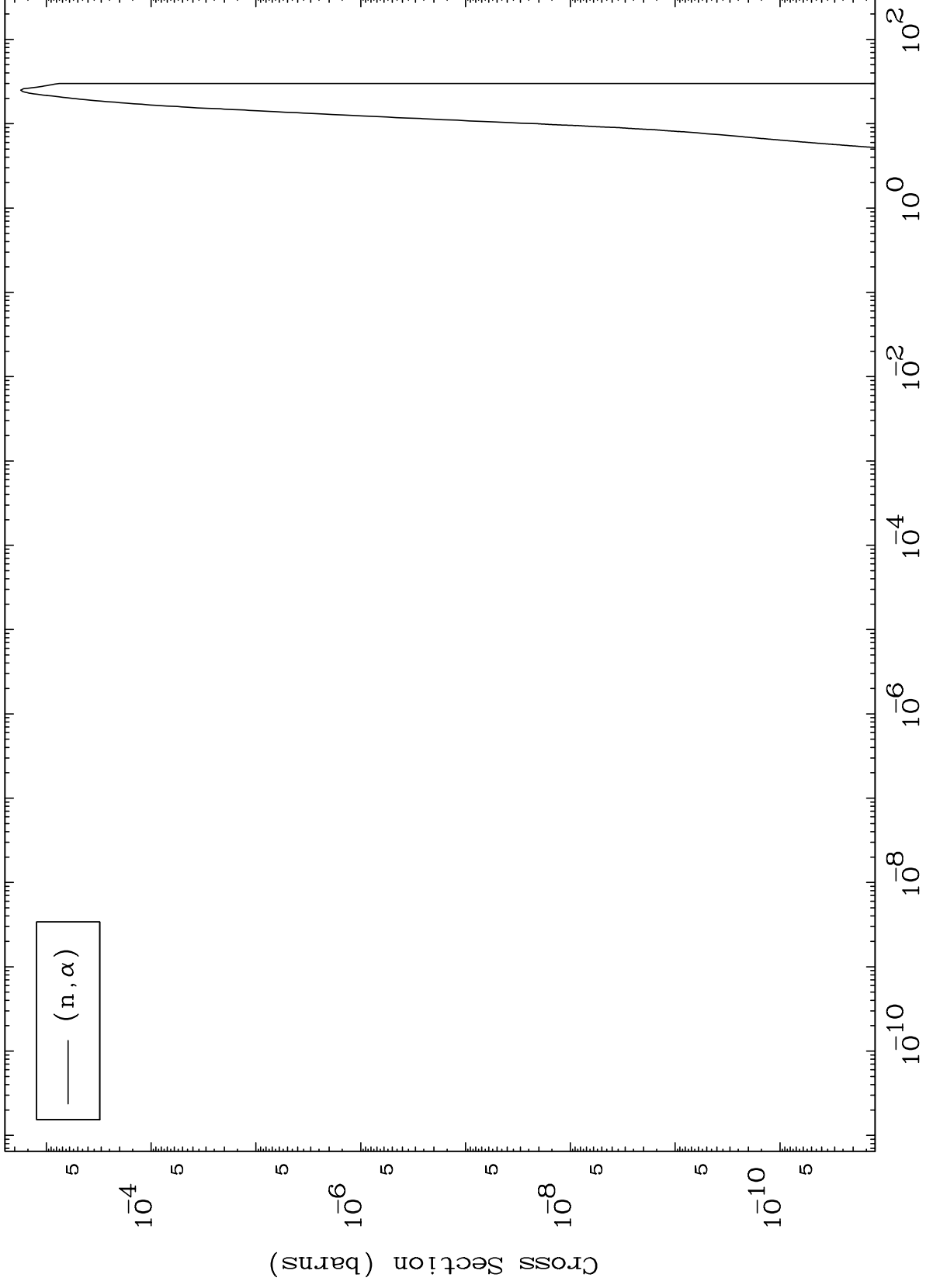
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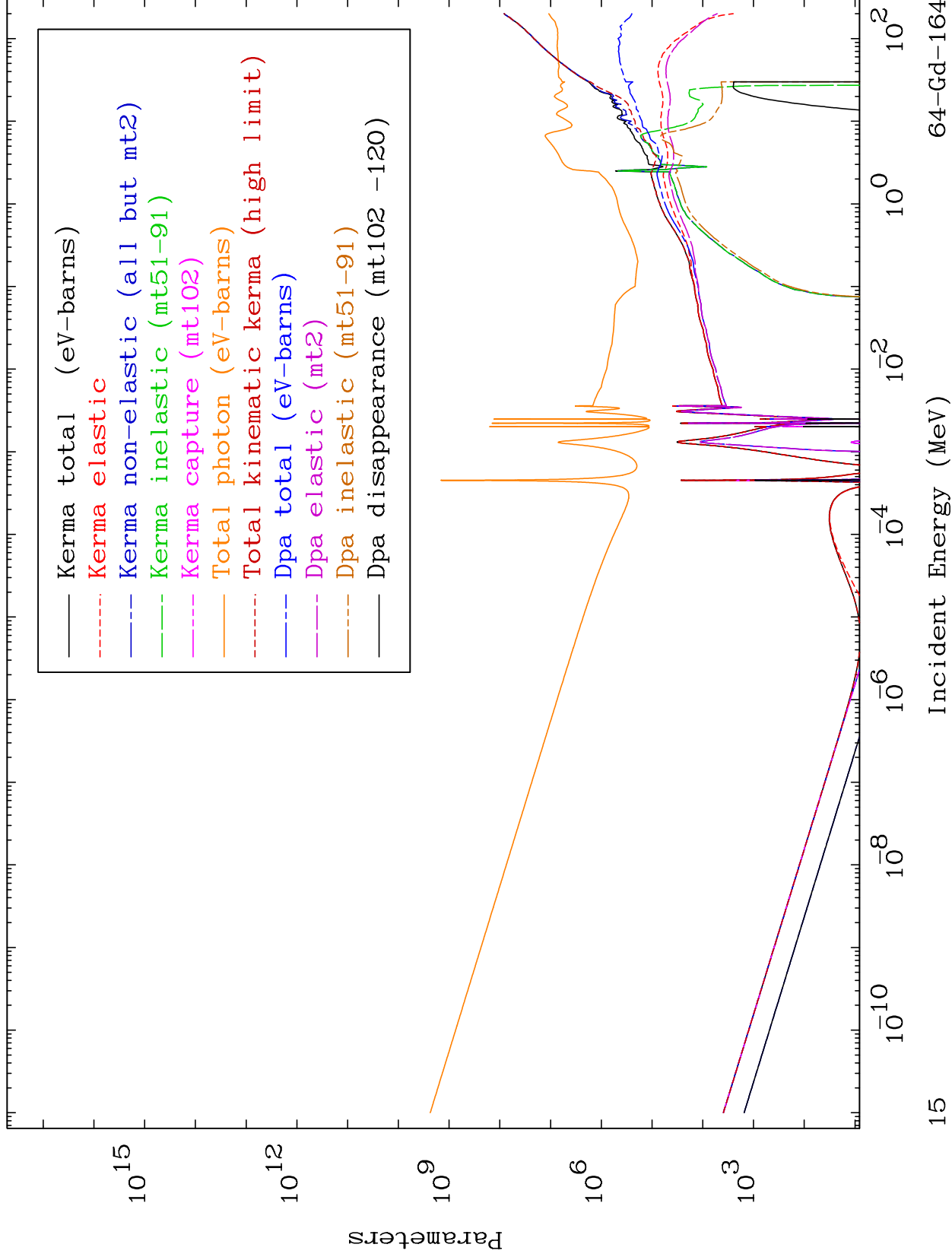
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MAT 6461

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

64-Gd-164



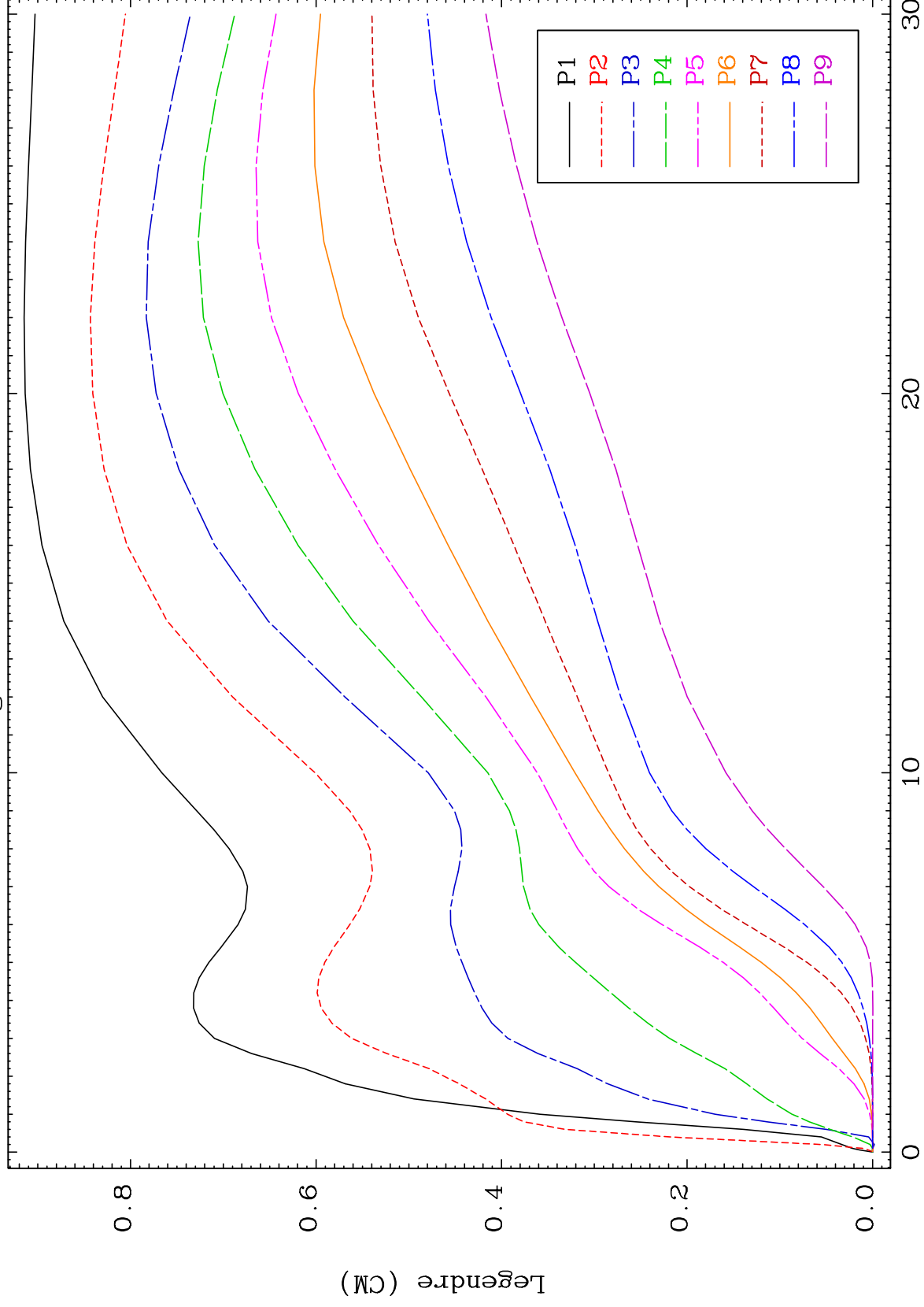




MAT 6461

Elastic Legendre Coefficients

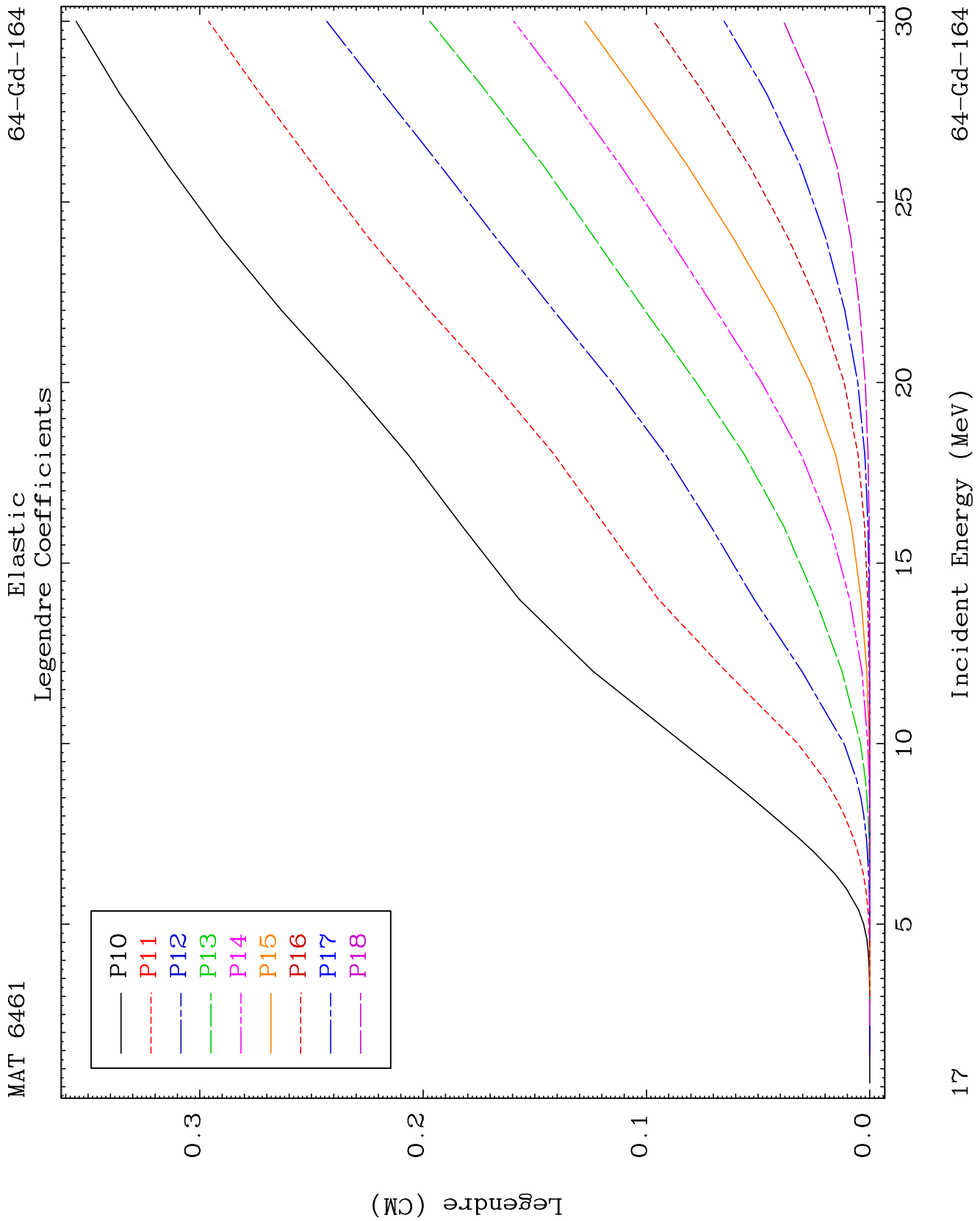
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16

Incident Energy (MeV)

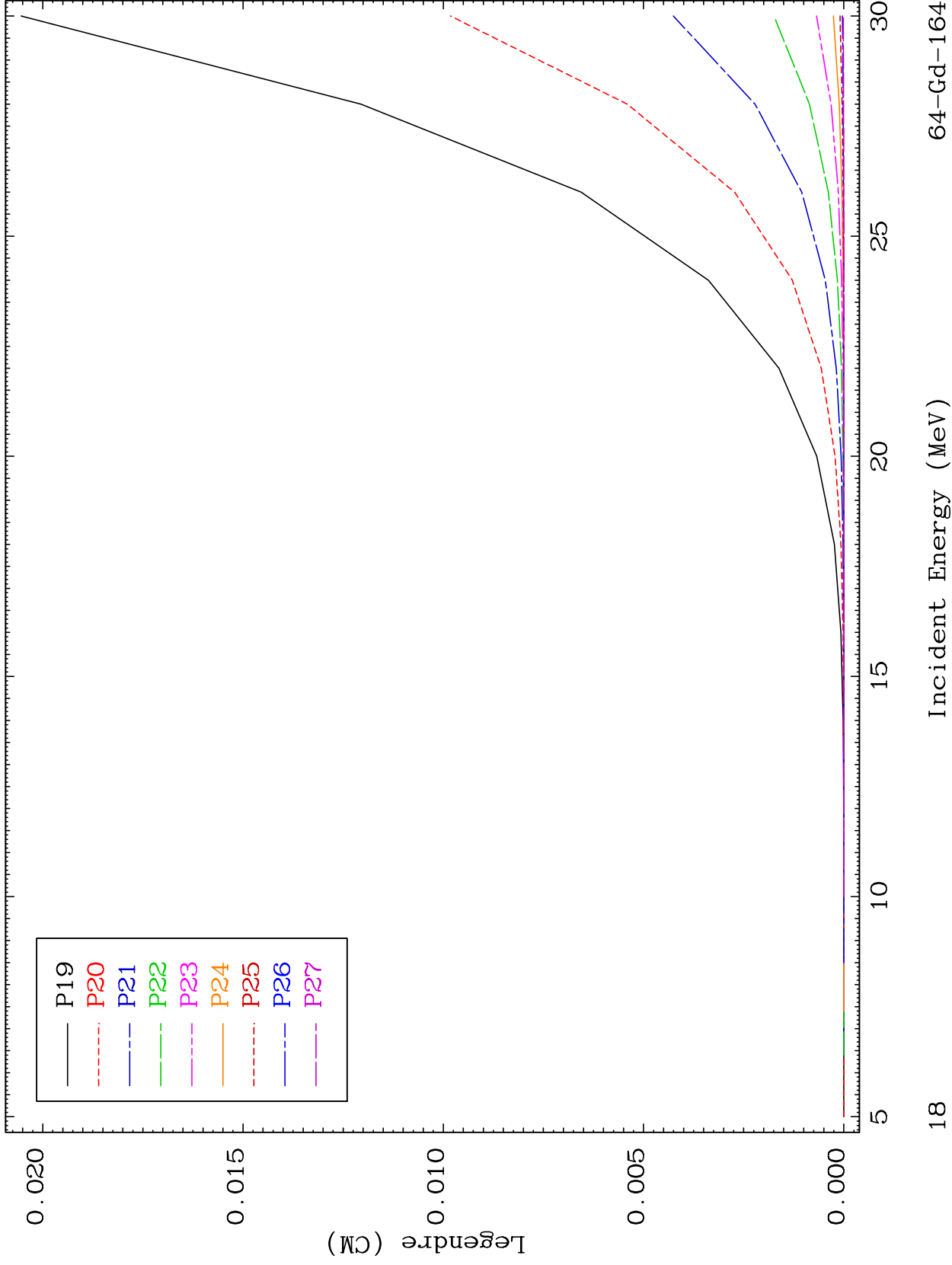
64-Gd-164



MAT 6461

Elastic  
Legendre Coefficients

64-Gd-164



18

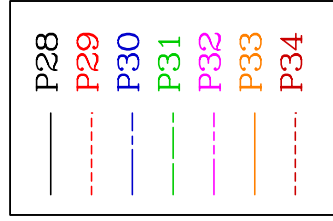
Incident Energy (MeV)

64-Gd-164

MAT 6461

Elastic  
Legendre Coefficients

64-Gd-164



$\times 10^{-6}$

Legendre (CM)

3

2

1

0

15

20

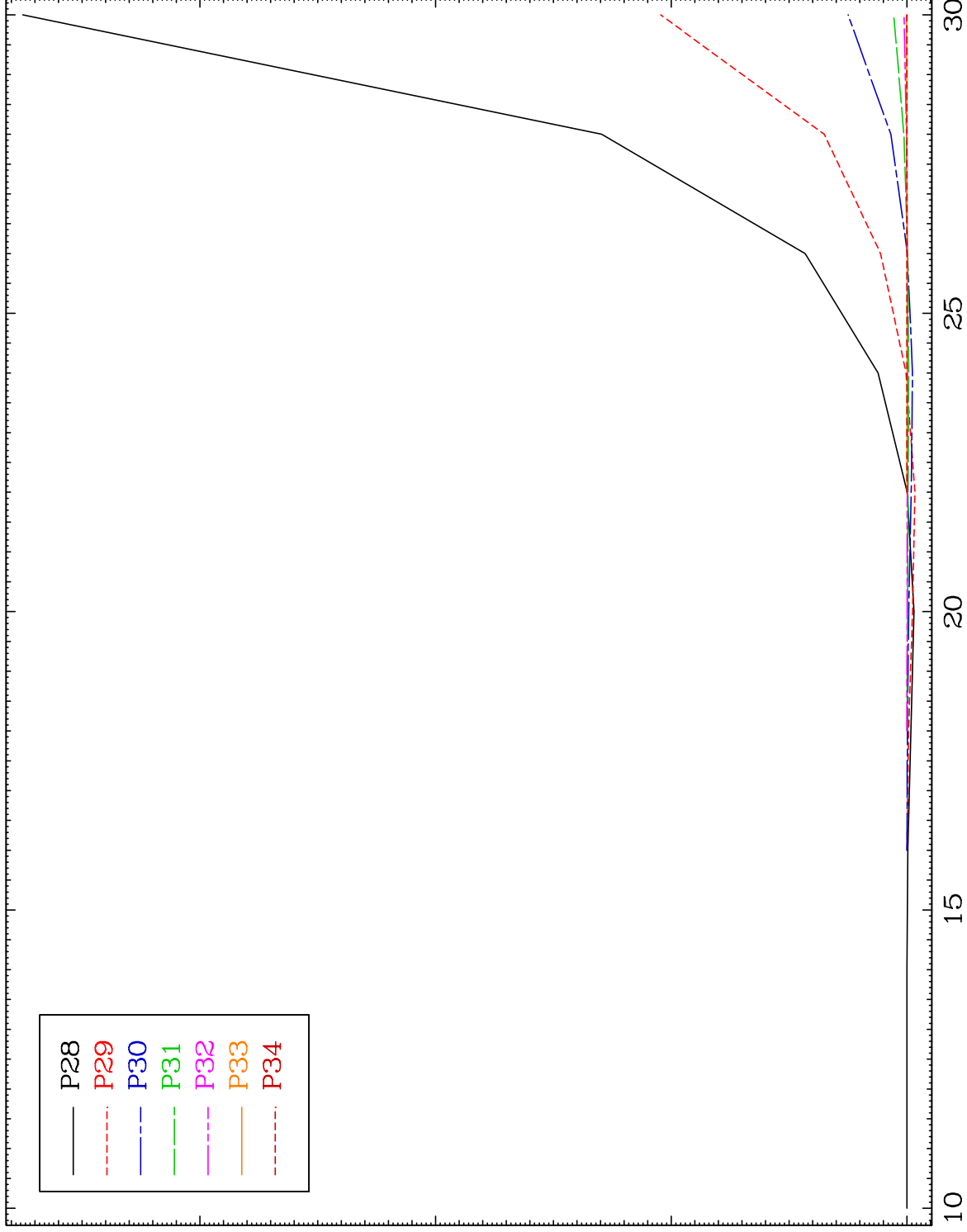
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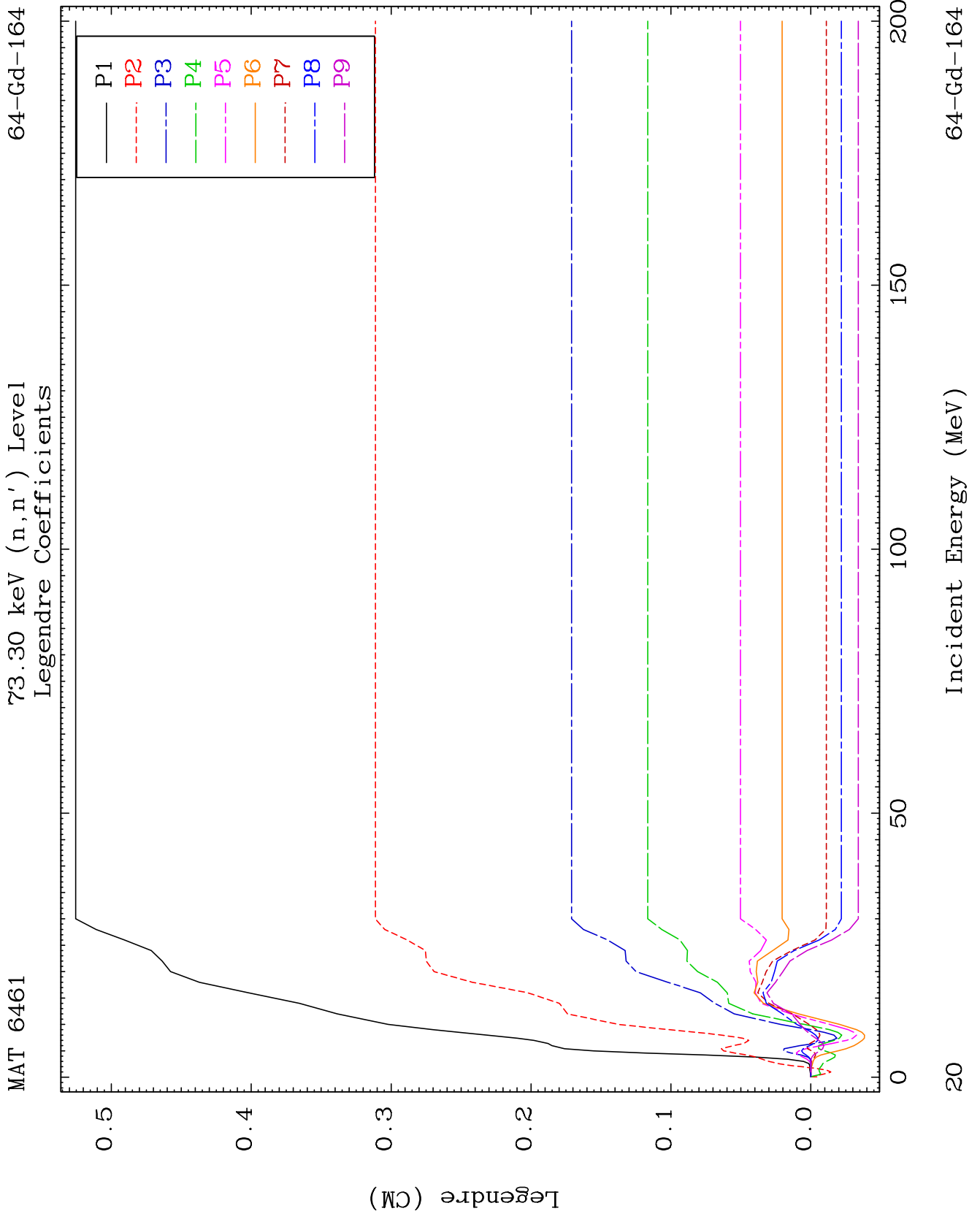
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19

Incident Energy (MeV)

64-Gd-164

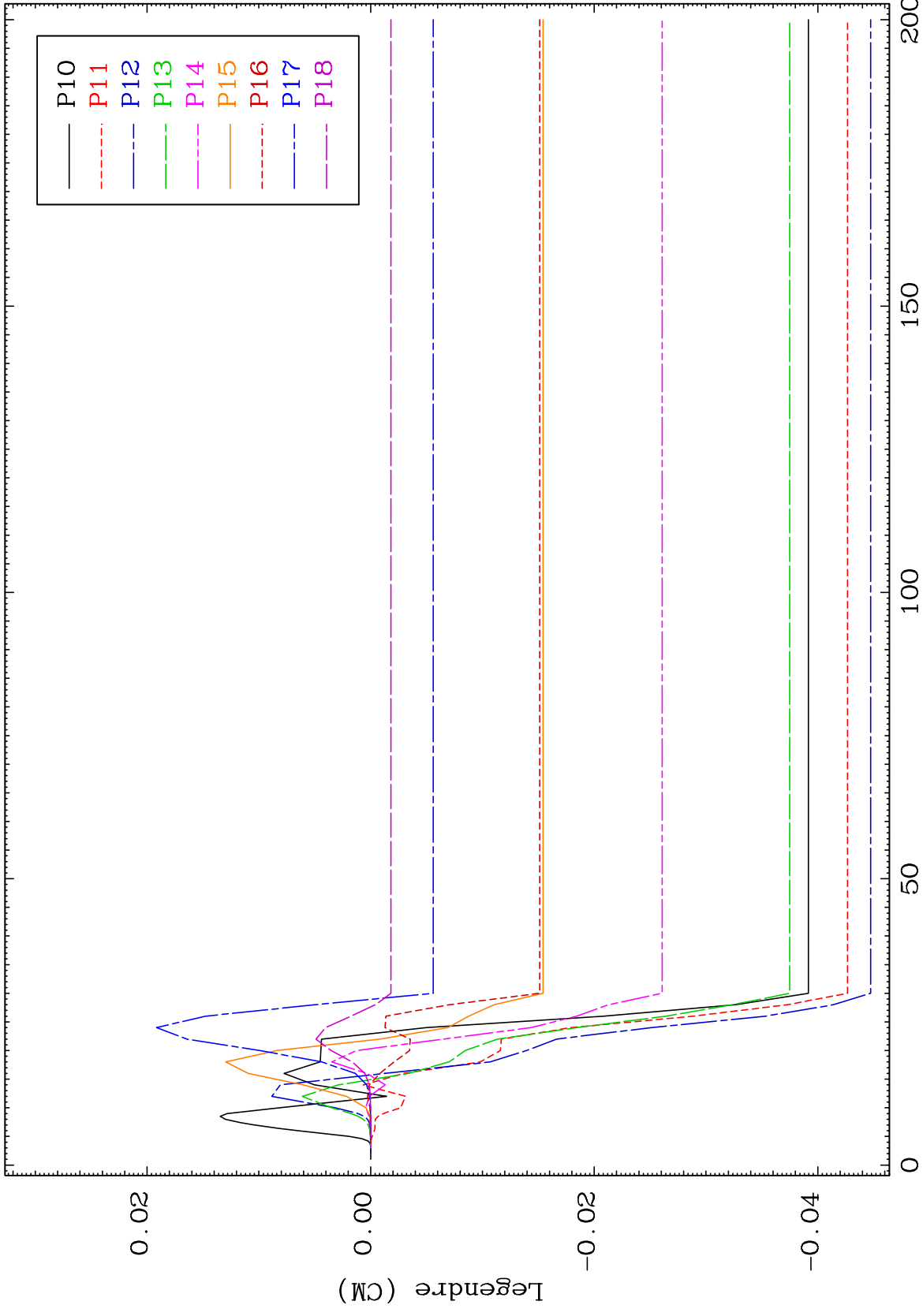




MAT 6461

73.30 keV (n,n') Level  
Legendre Coefficients

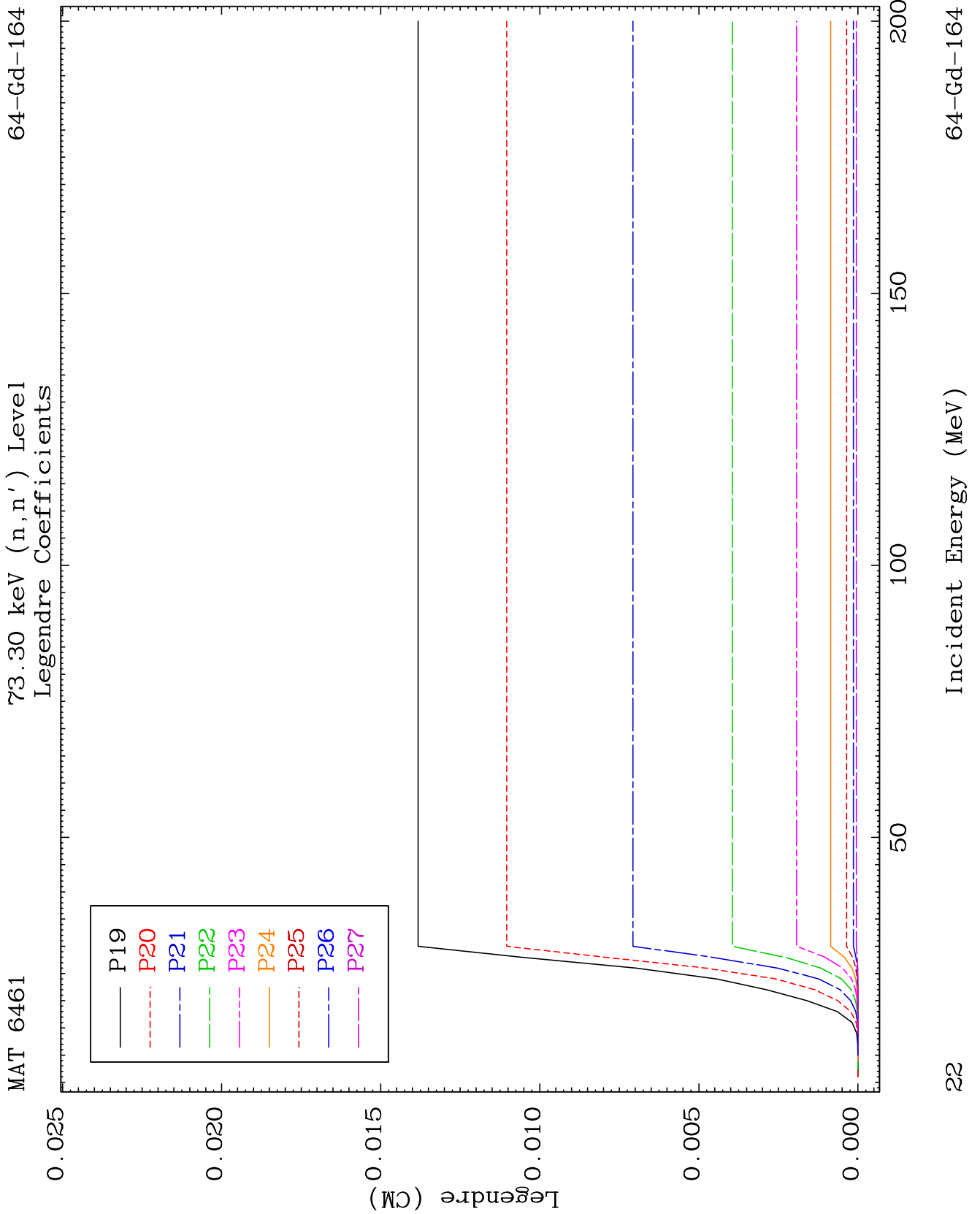
64-Gd-164



21

Incident Energy (MeV)

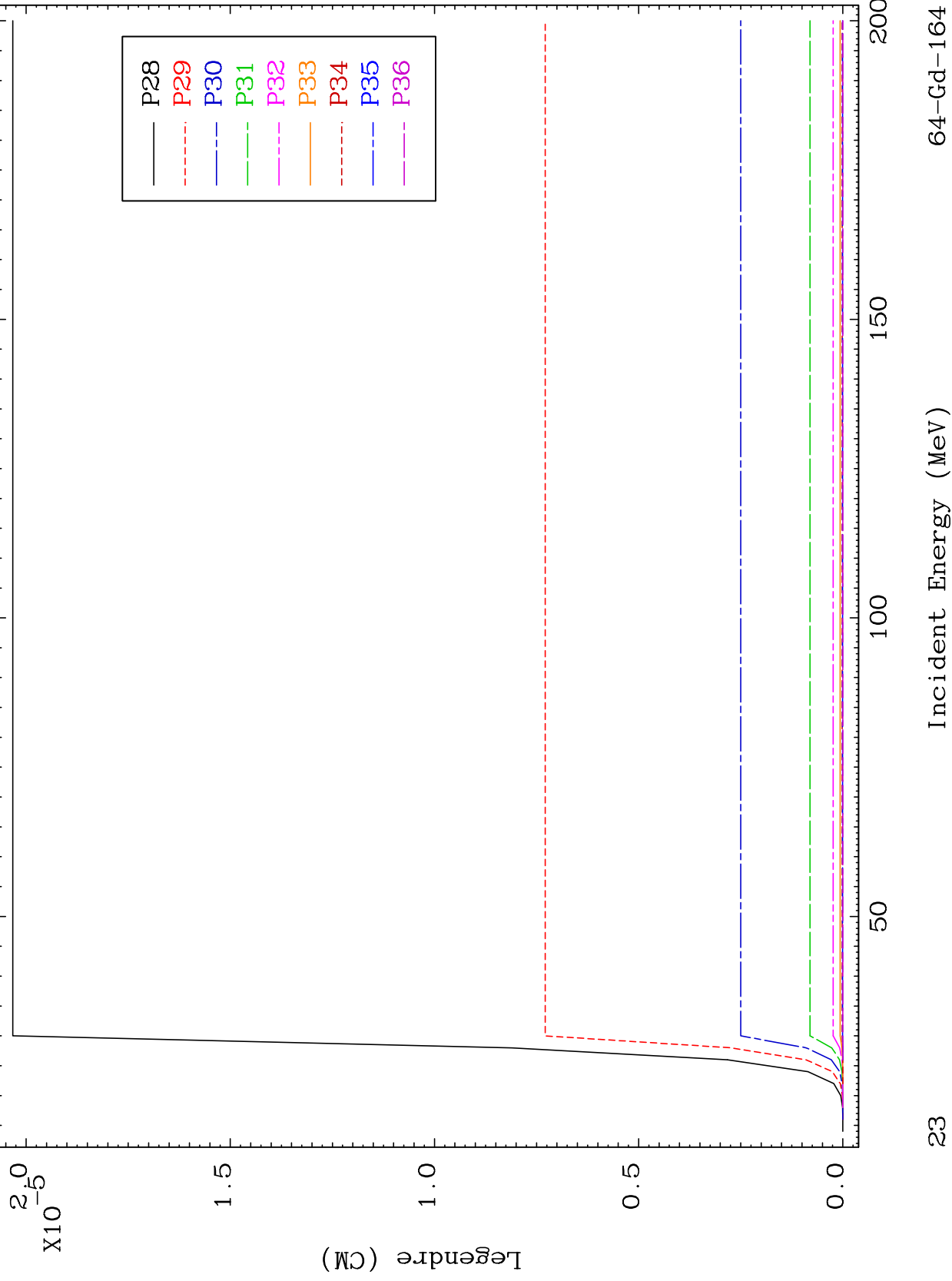
64-Gd-164



MAT 6461

73.30 keV (n,n') Level  
Legendre Coefficients

64-Gd-164

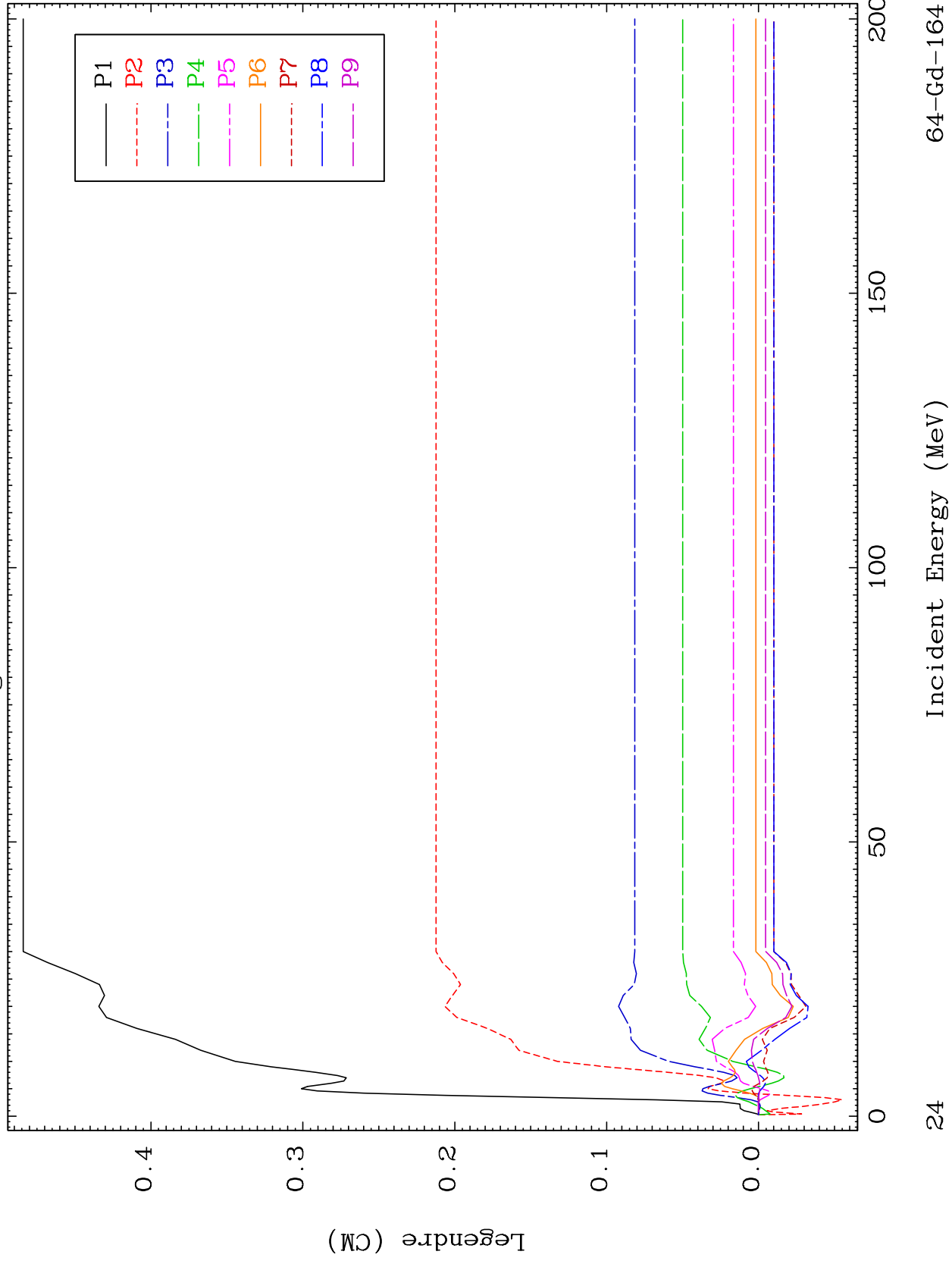




MAT 6461

241.9 keV (n,n') Level  
Legendre Coefficients

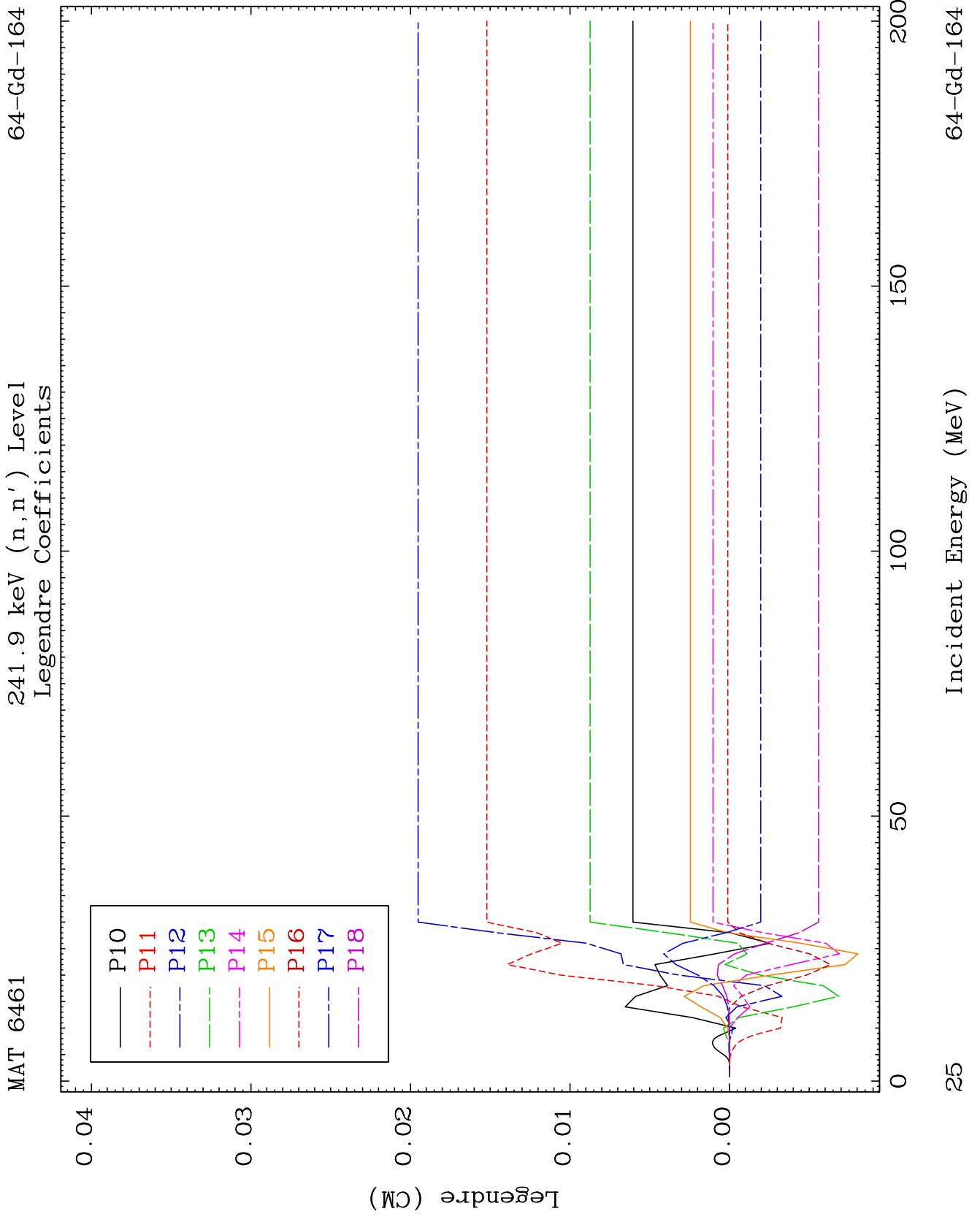
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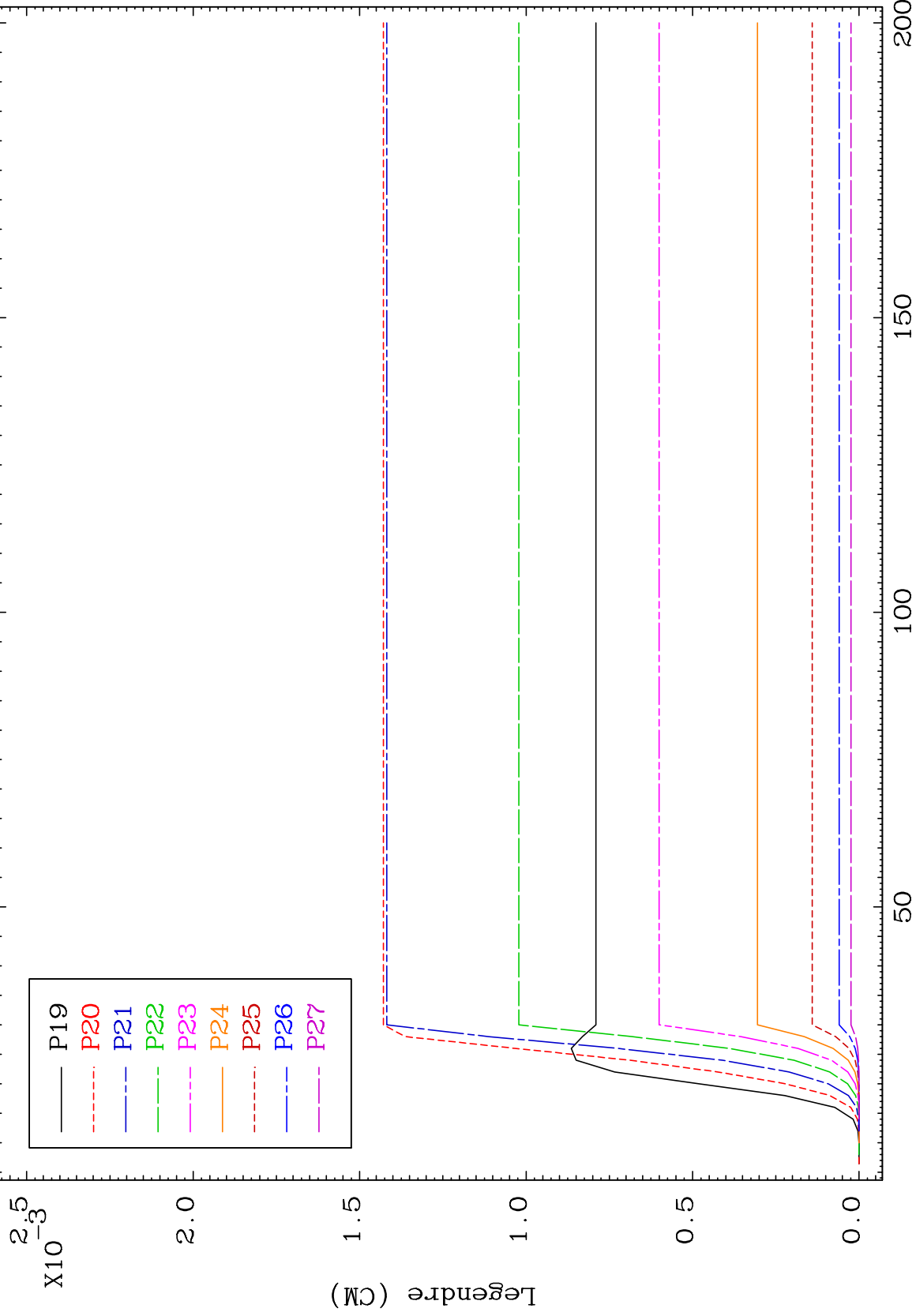


64-Gd-164

Incident Energy (MeV)

24

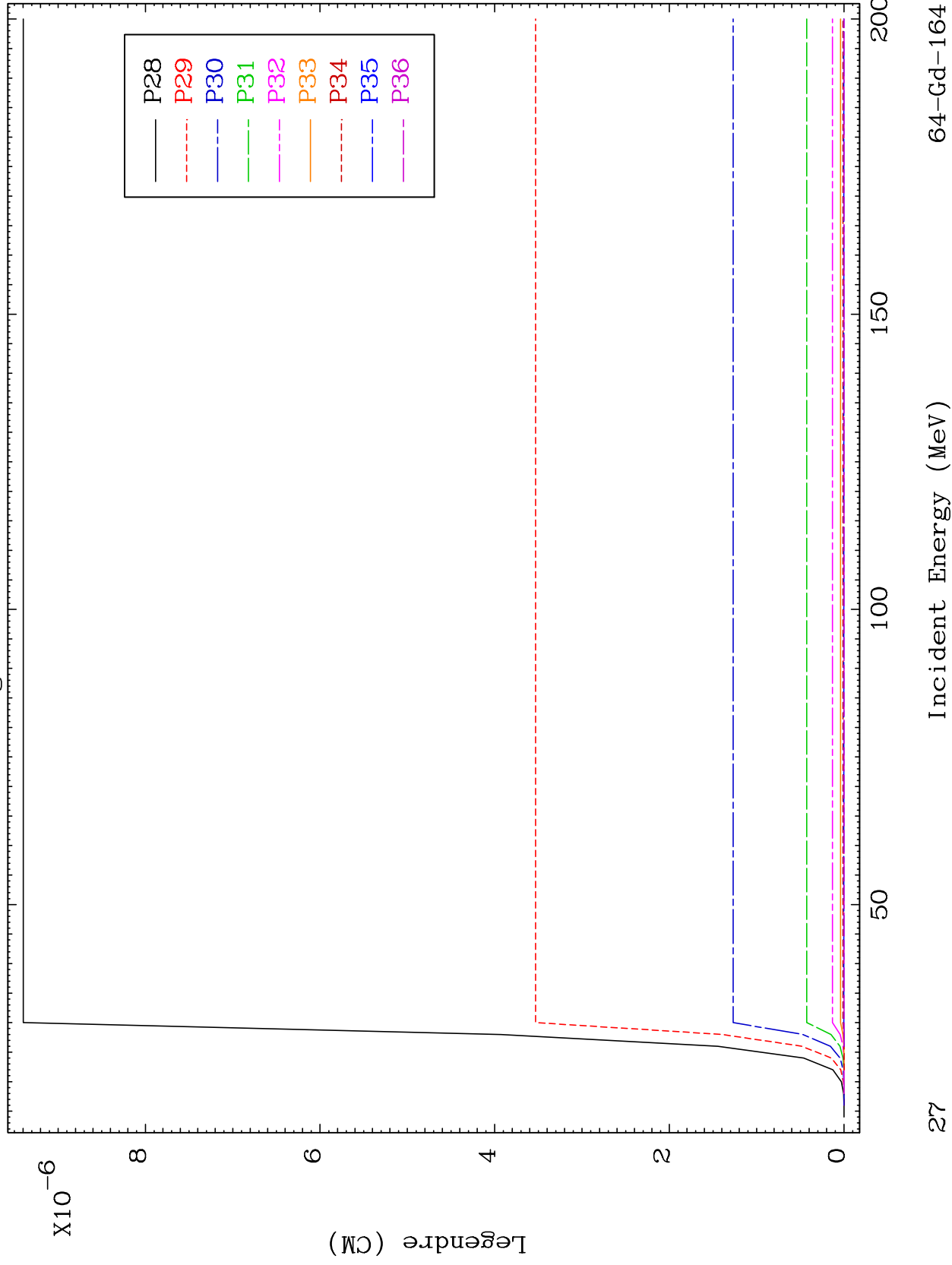


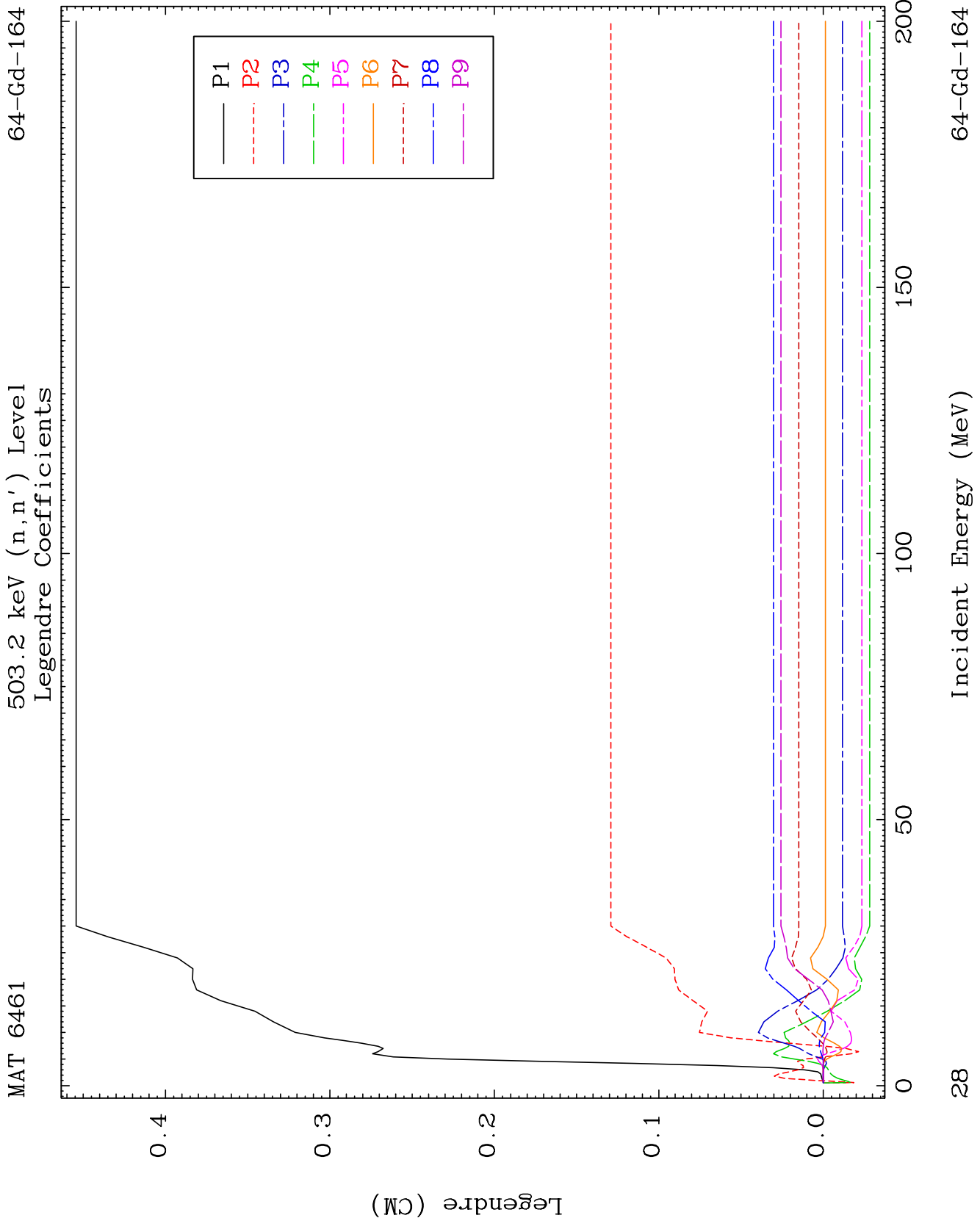


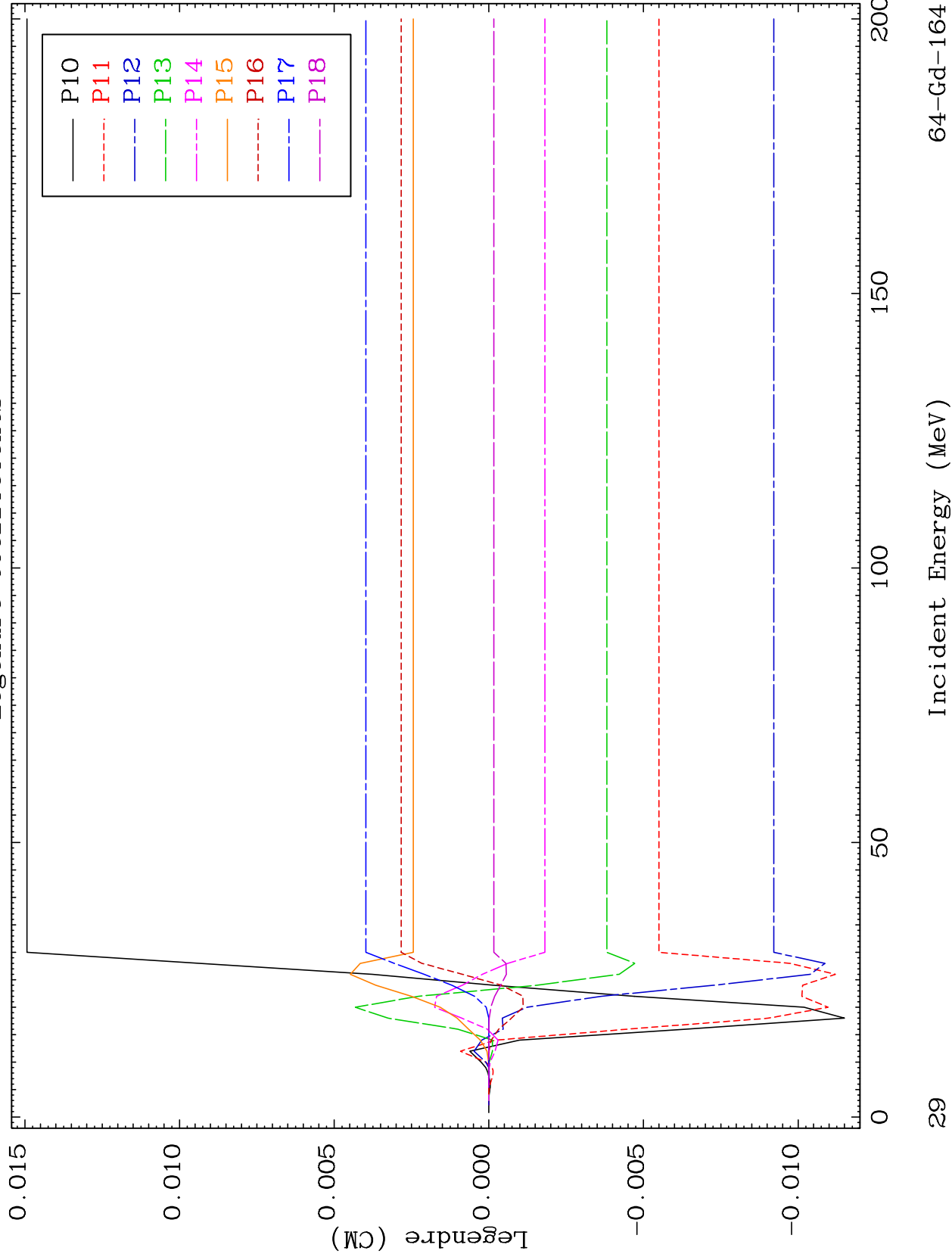
MAT 6461

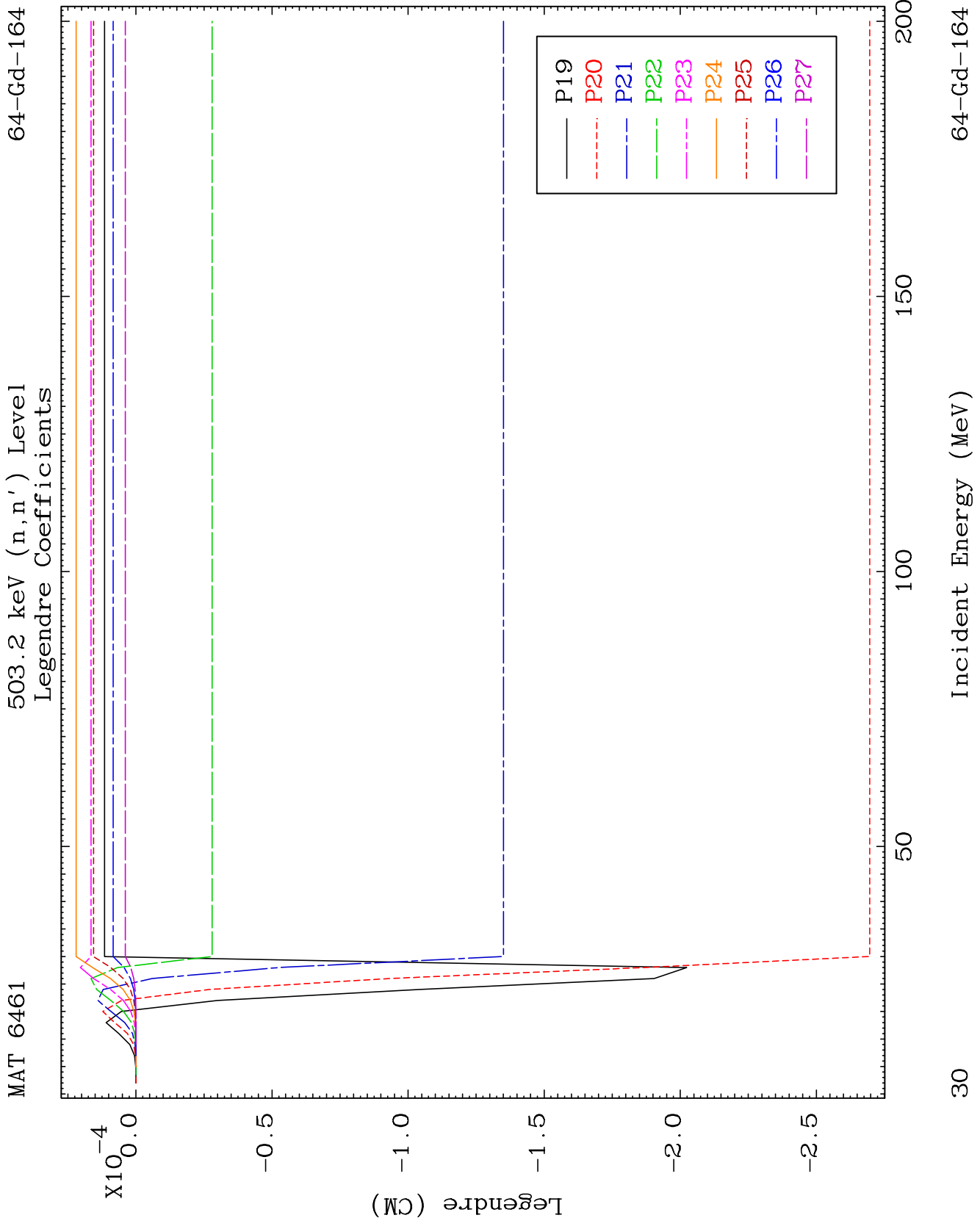
241.9 keV (n,n') Level  
Legendre Coefficients

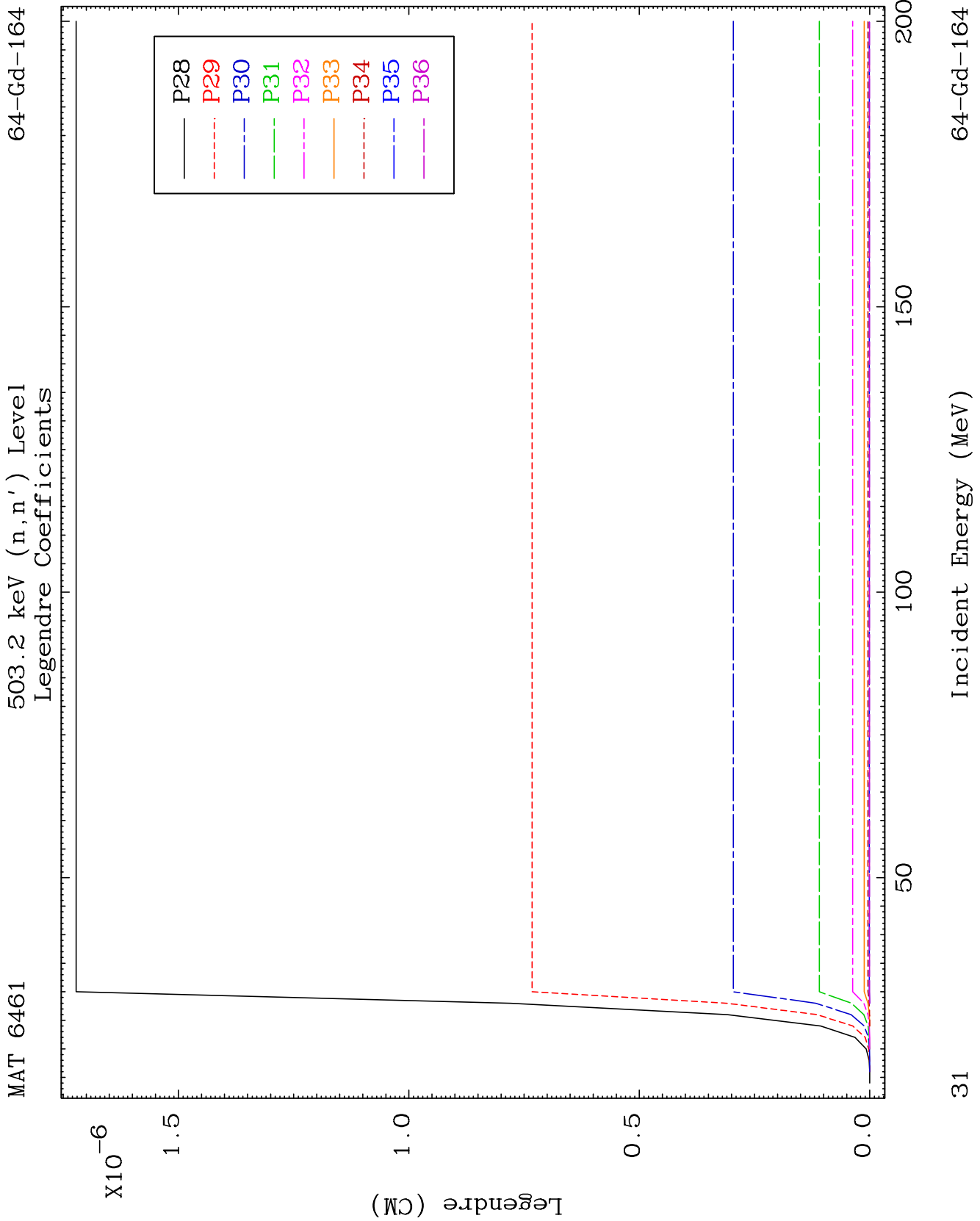
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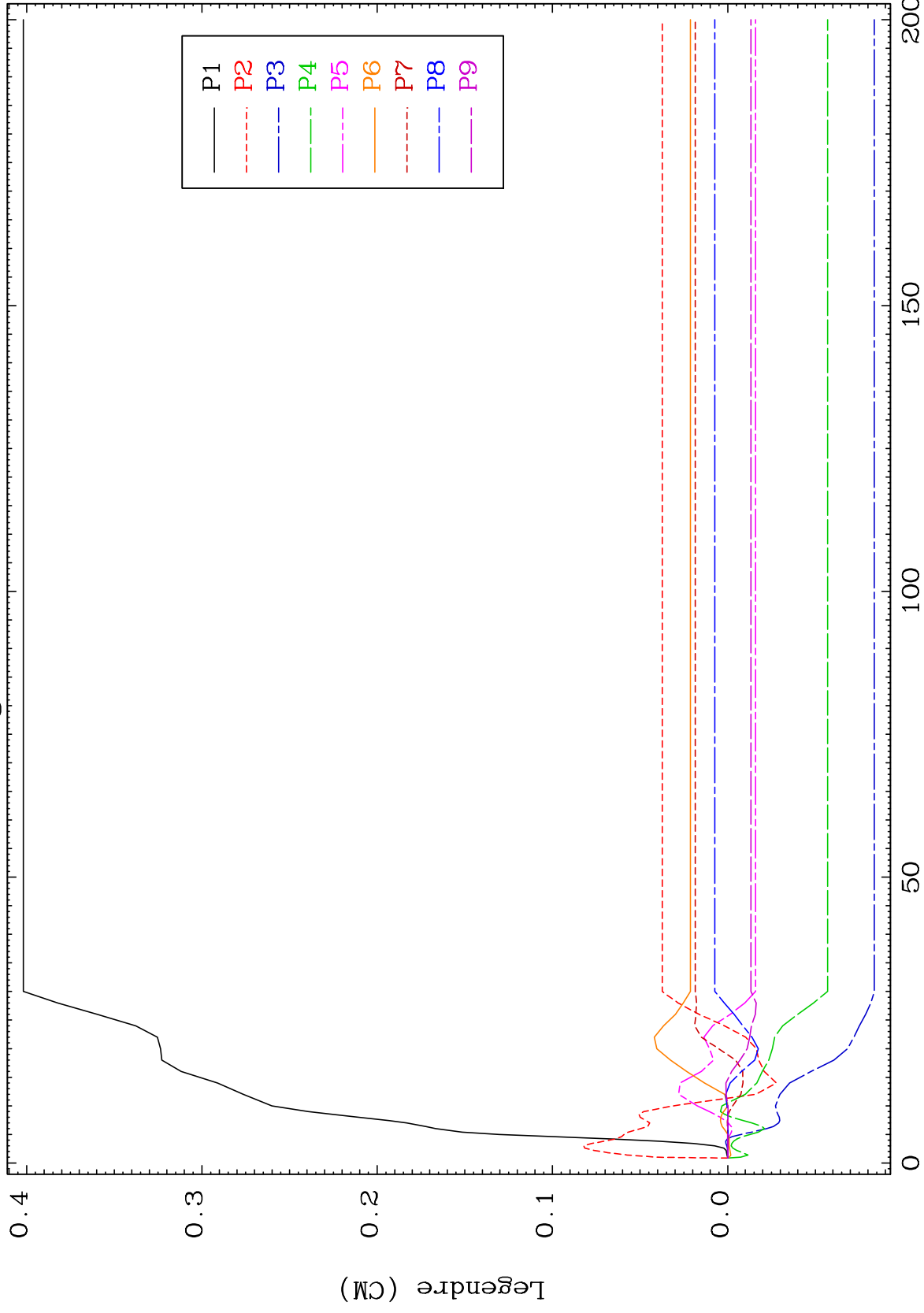




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852.2 keV (n,n') Level  
Legendre Coefficients

64-Gd-164



32

Incident Energy (MeV)

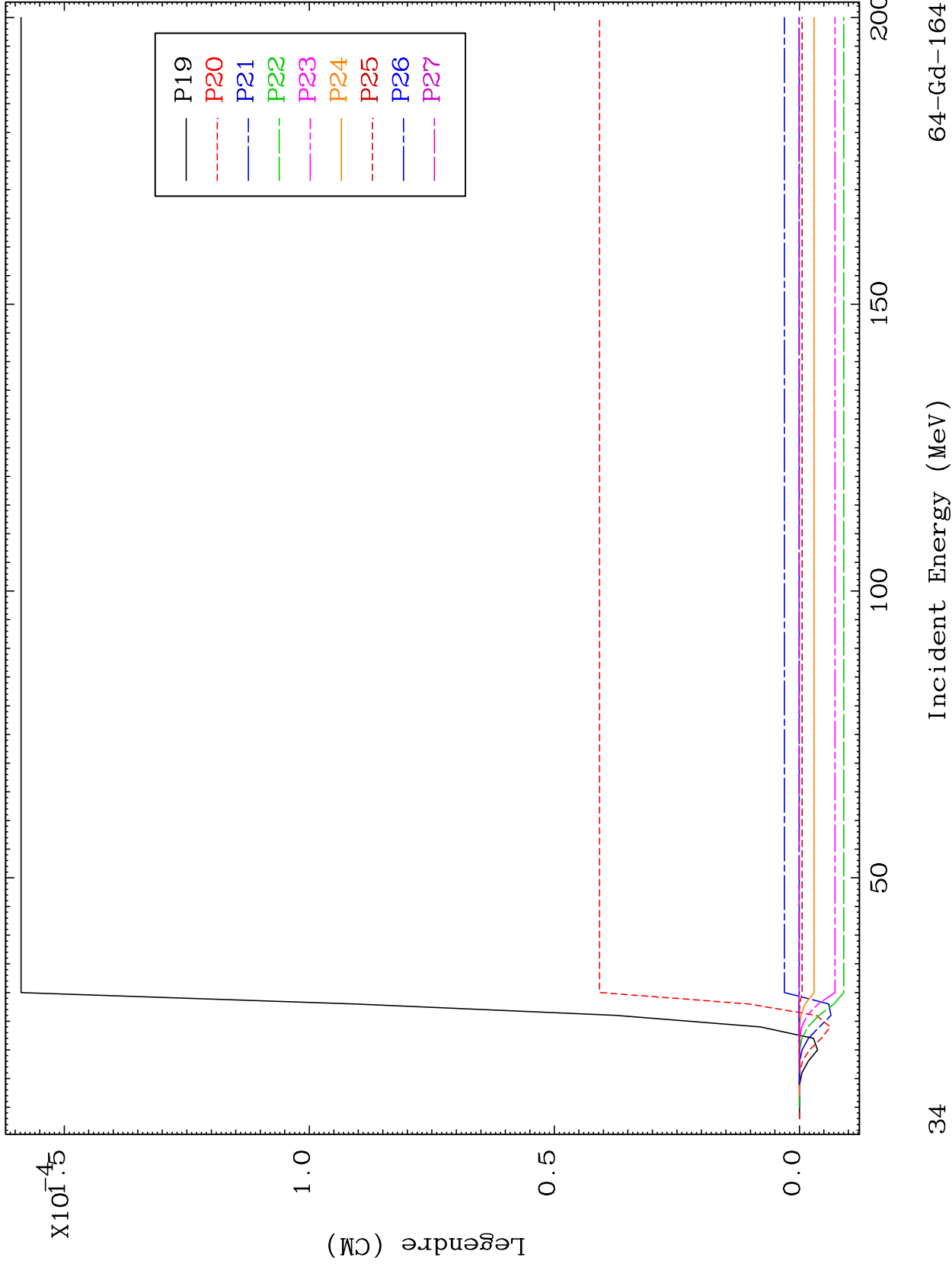
64-Gd-164



MAT 6461

852.2 keV (n, n') Level  
Legendre Coefficients

64-Gd-164

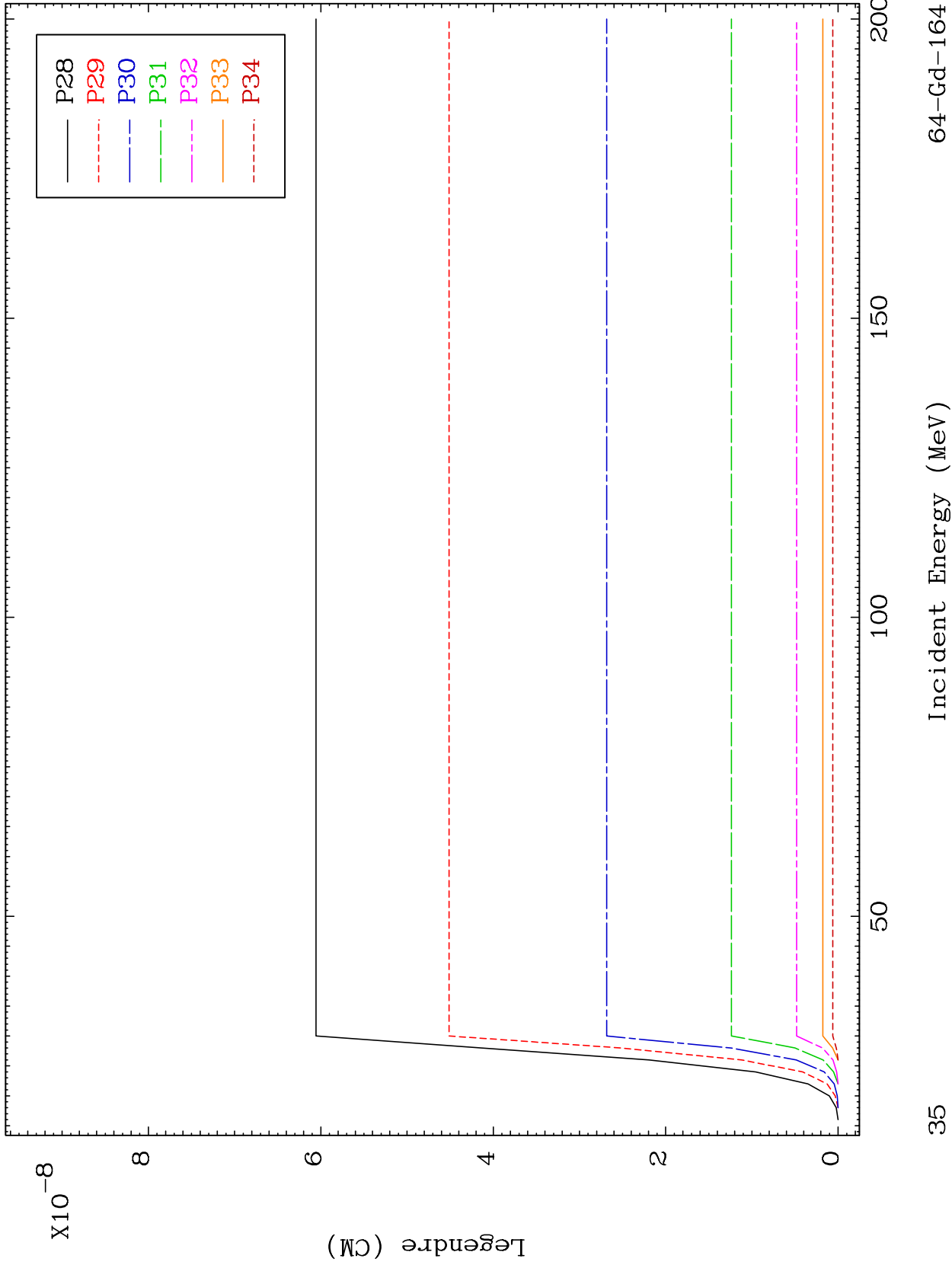


34

MAT 6461

852.2 keV (n,n') Level  
Legendre Coefficients

64-Gd-164



35

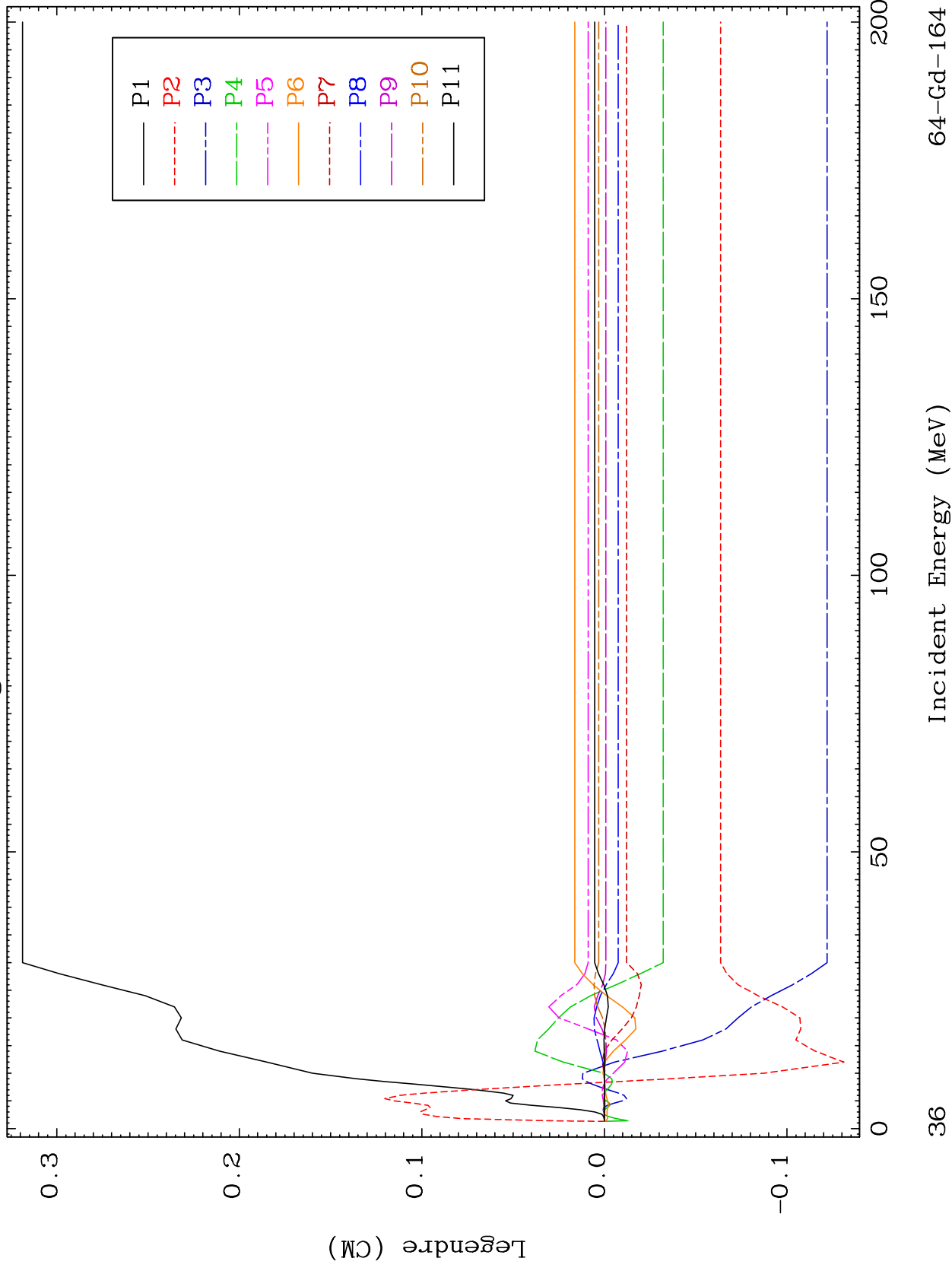
Incident Energy (MeV)

64-Gd-164

MAT 6461

1.283 MeV (n,n') Level  
Legendre Coefficients

64-Gd-164



64-Gd-164

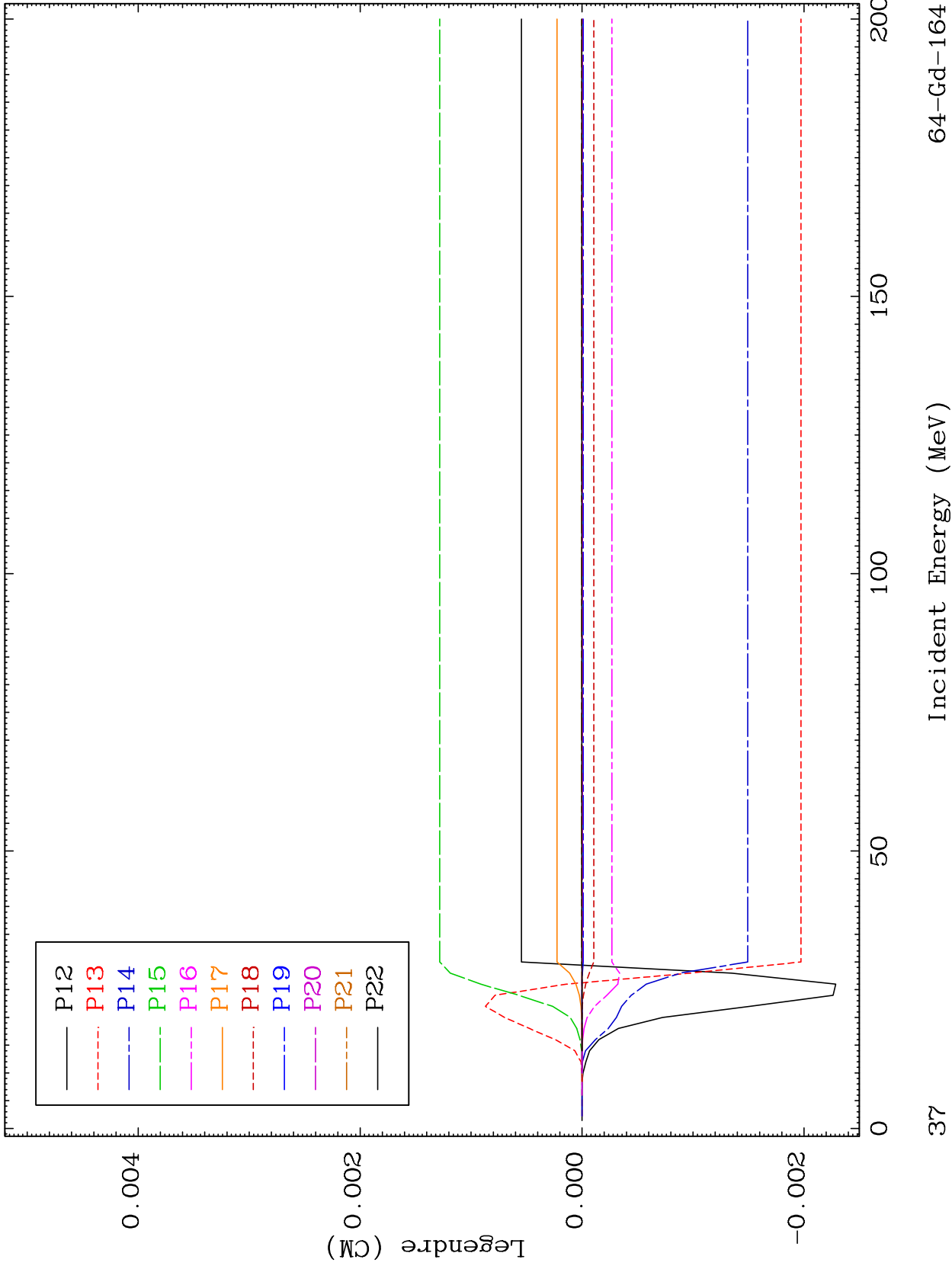
Incident Energy (MeV)

36

MAT 6461

1.283 MeV (n,n') Level  
Legendre Coefficients

64-Gd-164



37

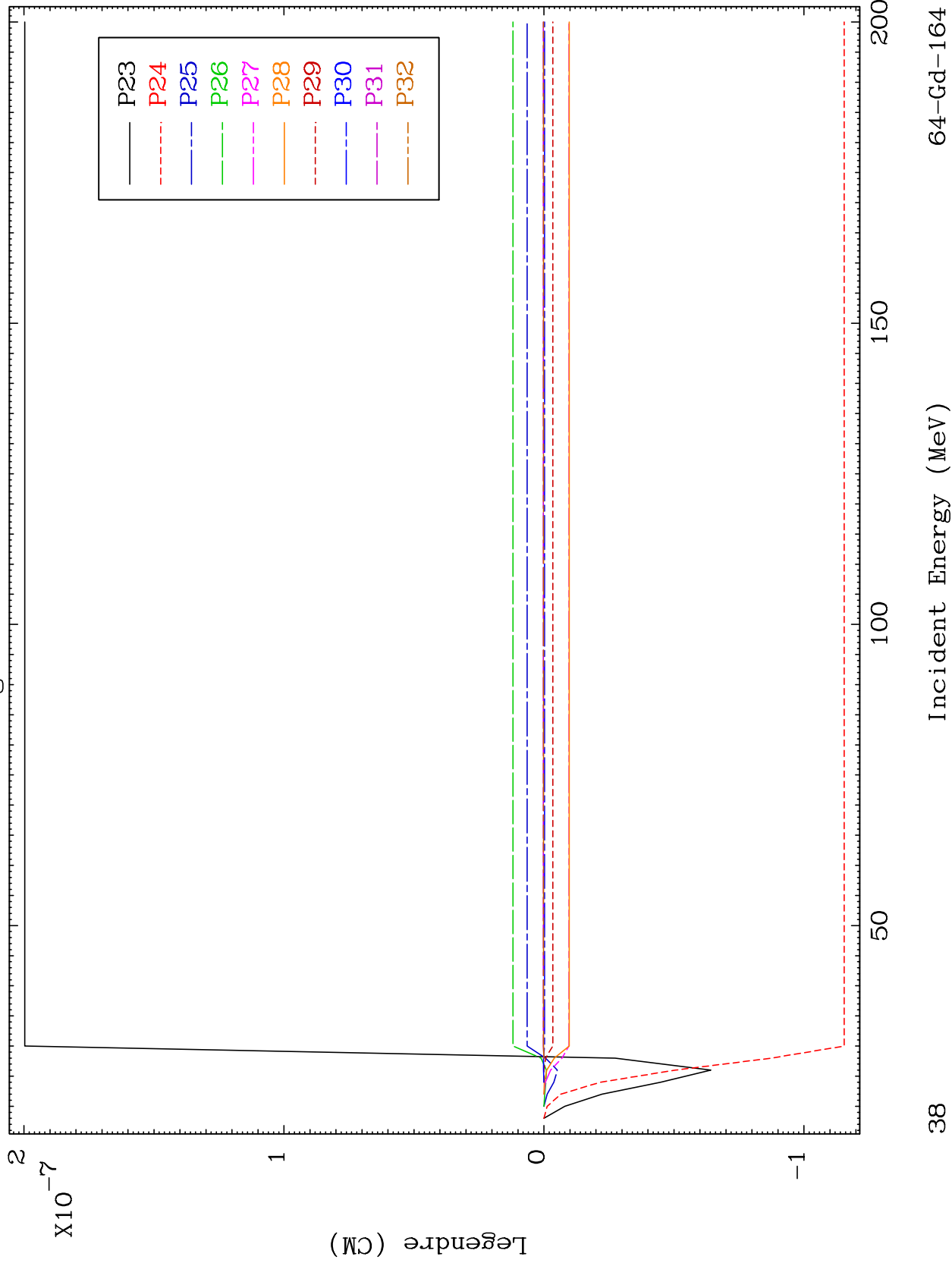
Incident Energy (MeV)

64-Gd-164

MAT 6461

1.283 MeV (n,n') Level  
Legendre Coefficients

64-Gd-164



38

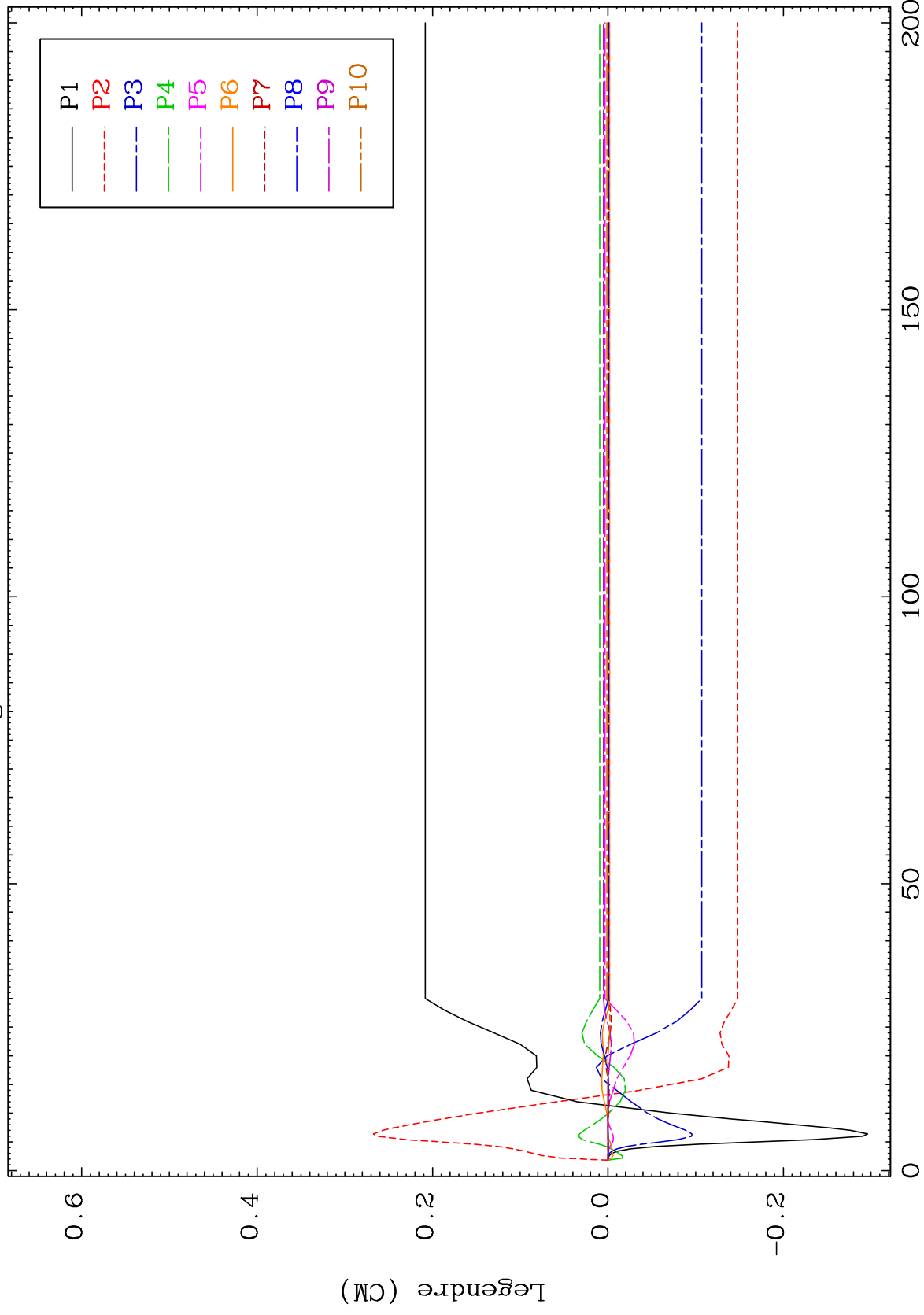
Incident Energy (MeV)

64-Gd-164

MAT 6461

1.794 MeV (n,n') Level  
Legendre Coefficients

64-Gd-164

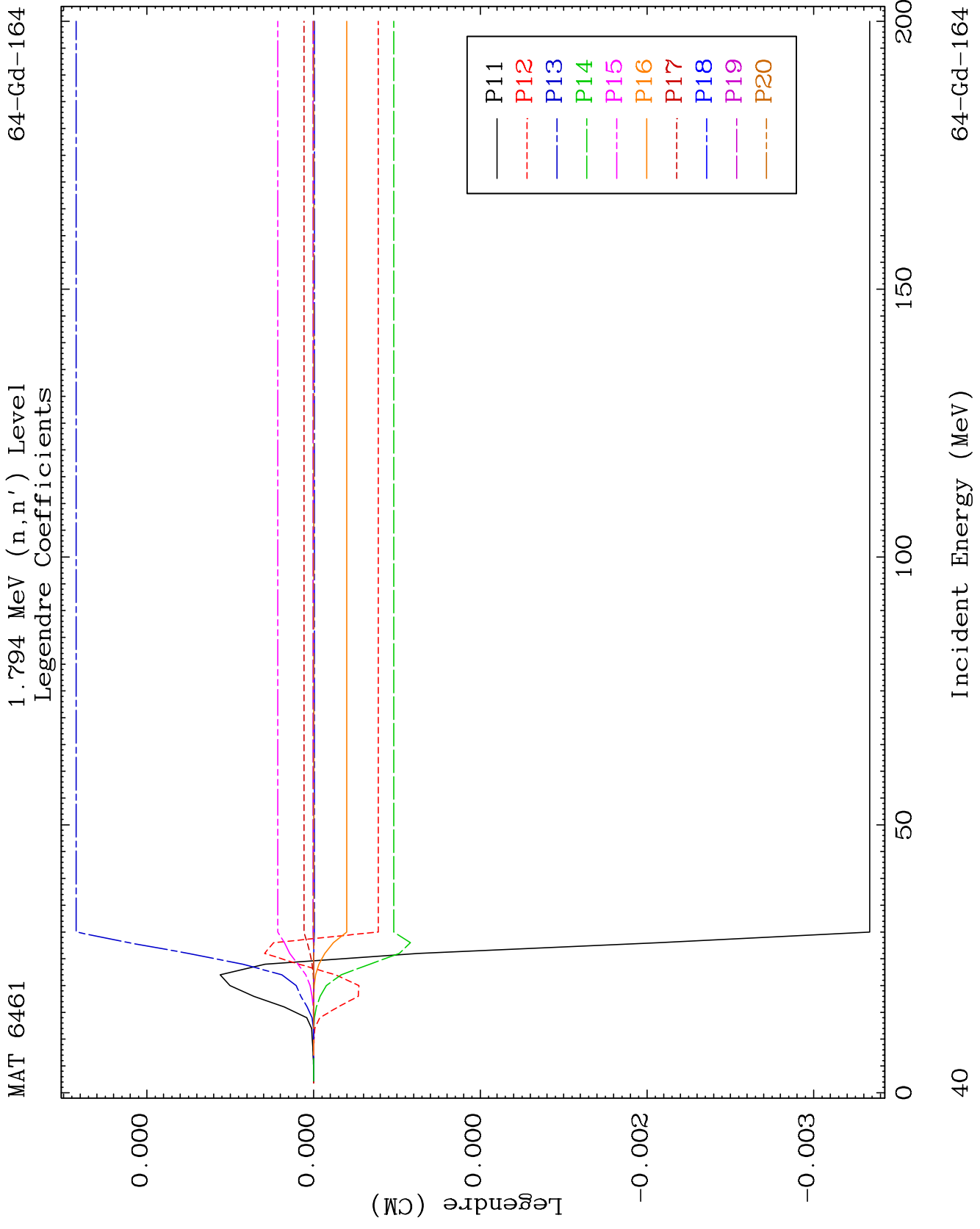


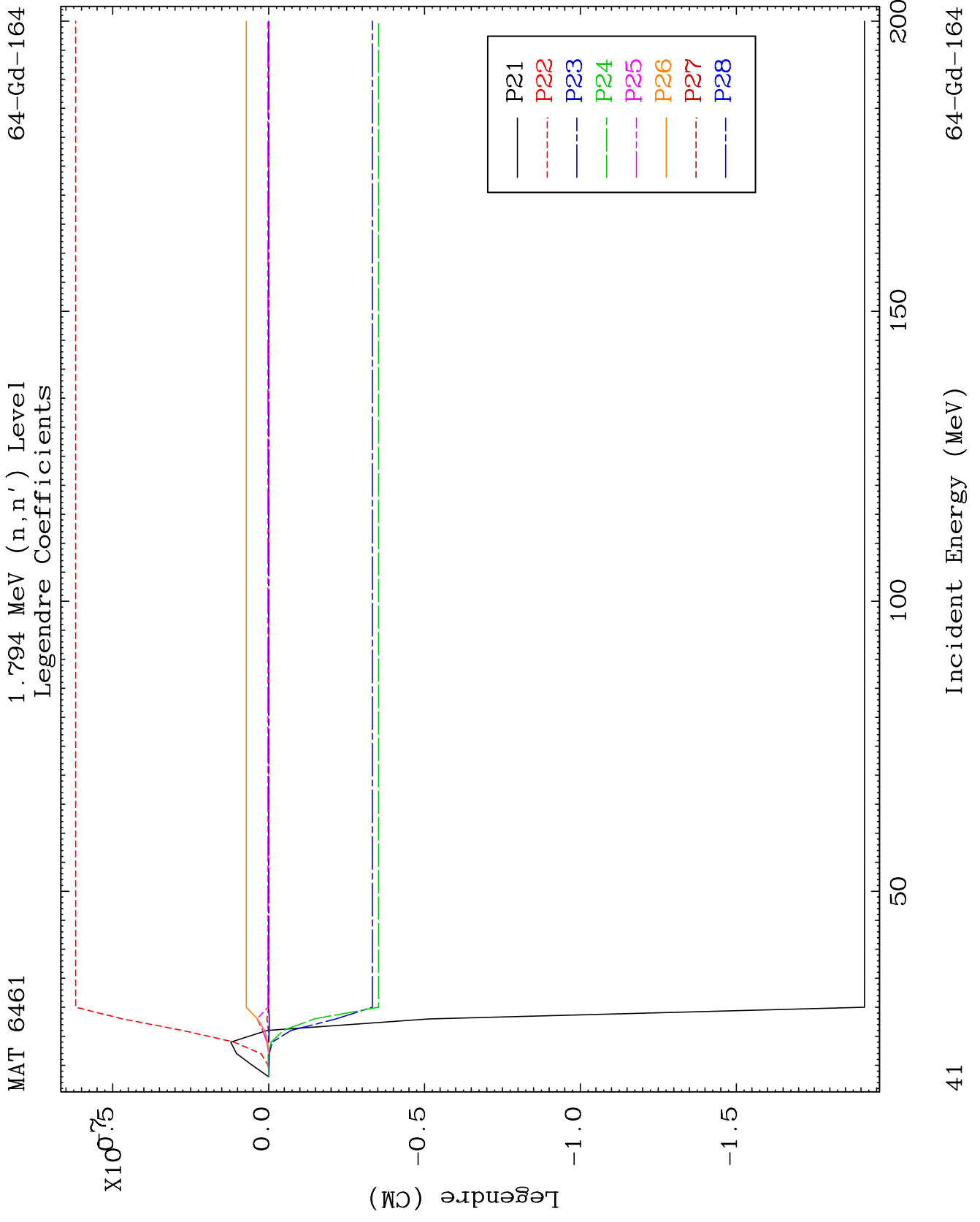
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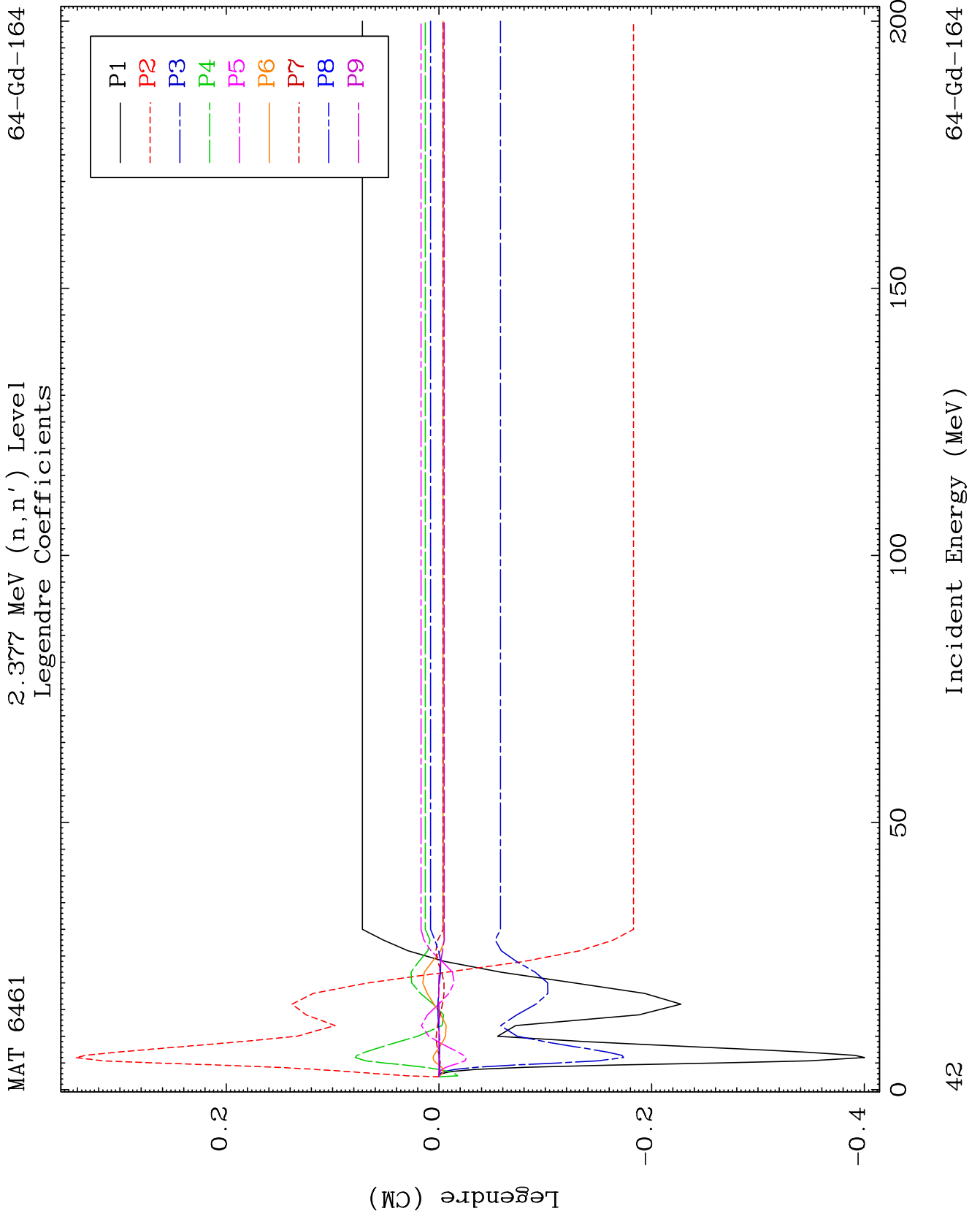
Incident Energy (MeV)

64-Gd-164





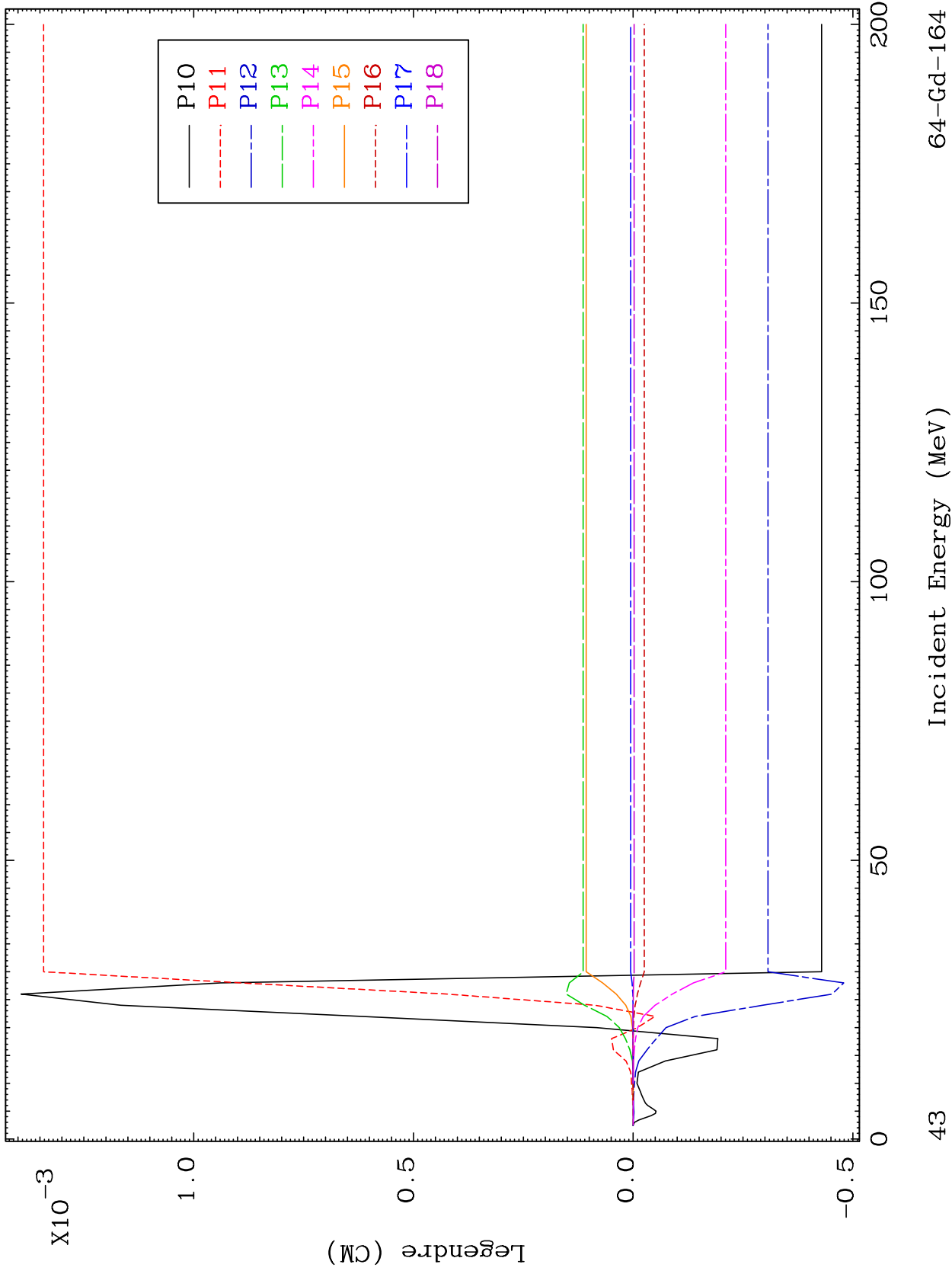




MAT 6461

2.377 MeV (n, n') Level  
Legendre Coefficients

64-Gd-164



43

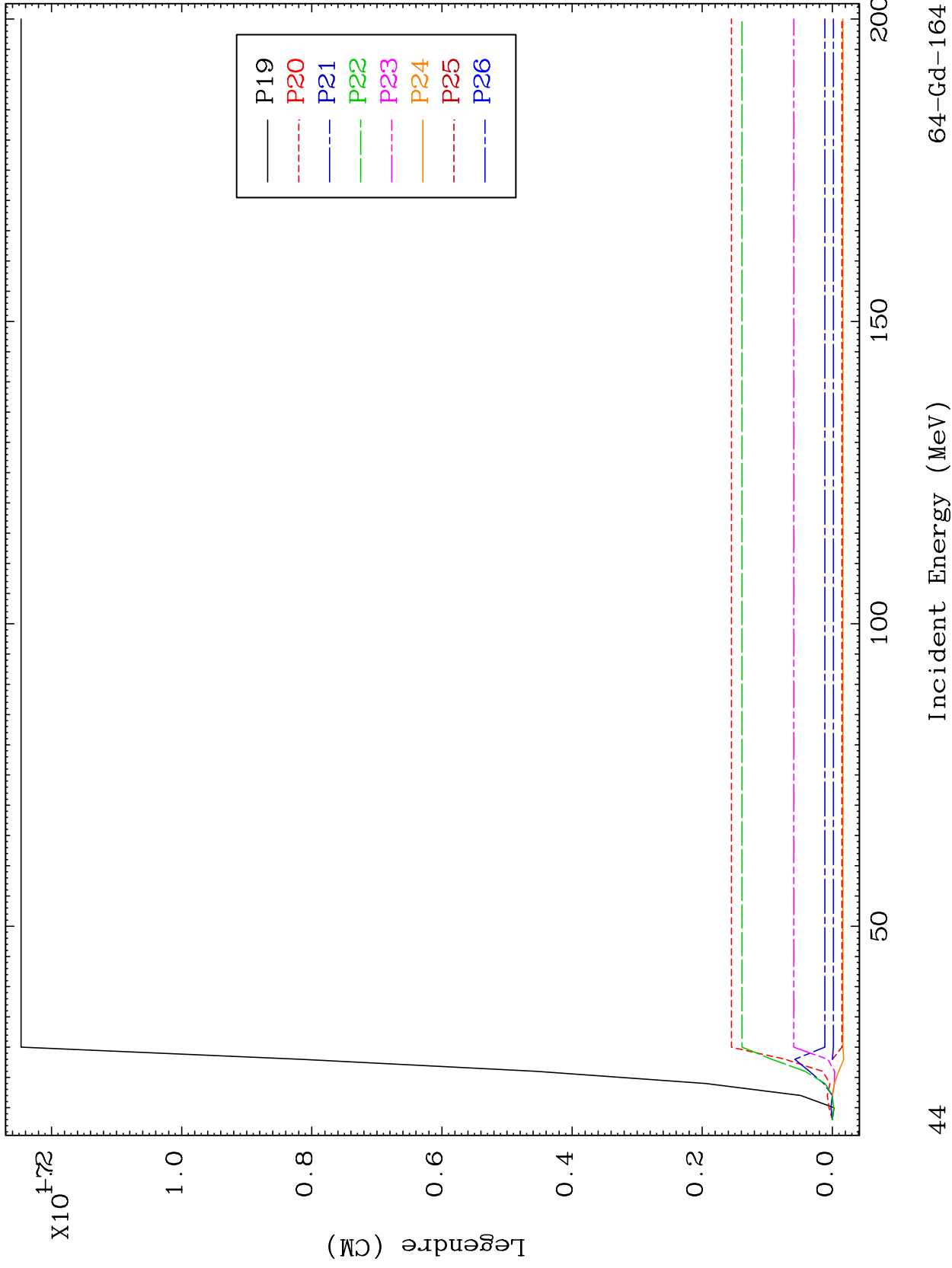
Incident Energy (MeV)

64-Gd-164

MAT 6461

2.377 MeV (n, n') Level  
Legendre Coefficients

64-Gd-164



44

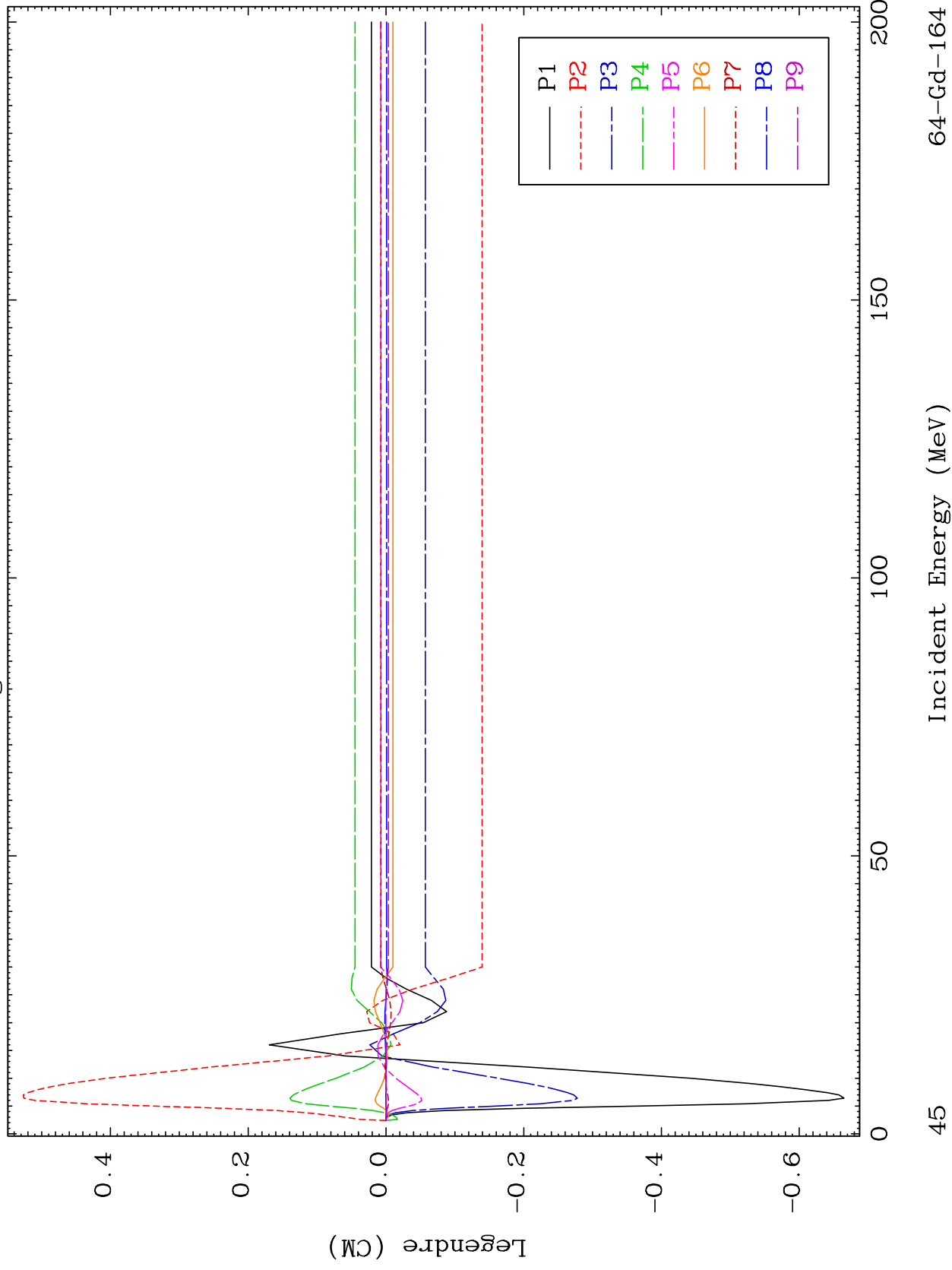
Incident Energy (MeV)

64-Gd-164

MAT 6461

2.378 MeV (n,n') Level  
Legendre Coefficients

64-Gd-164



64-Gd-164

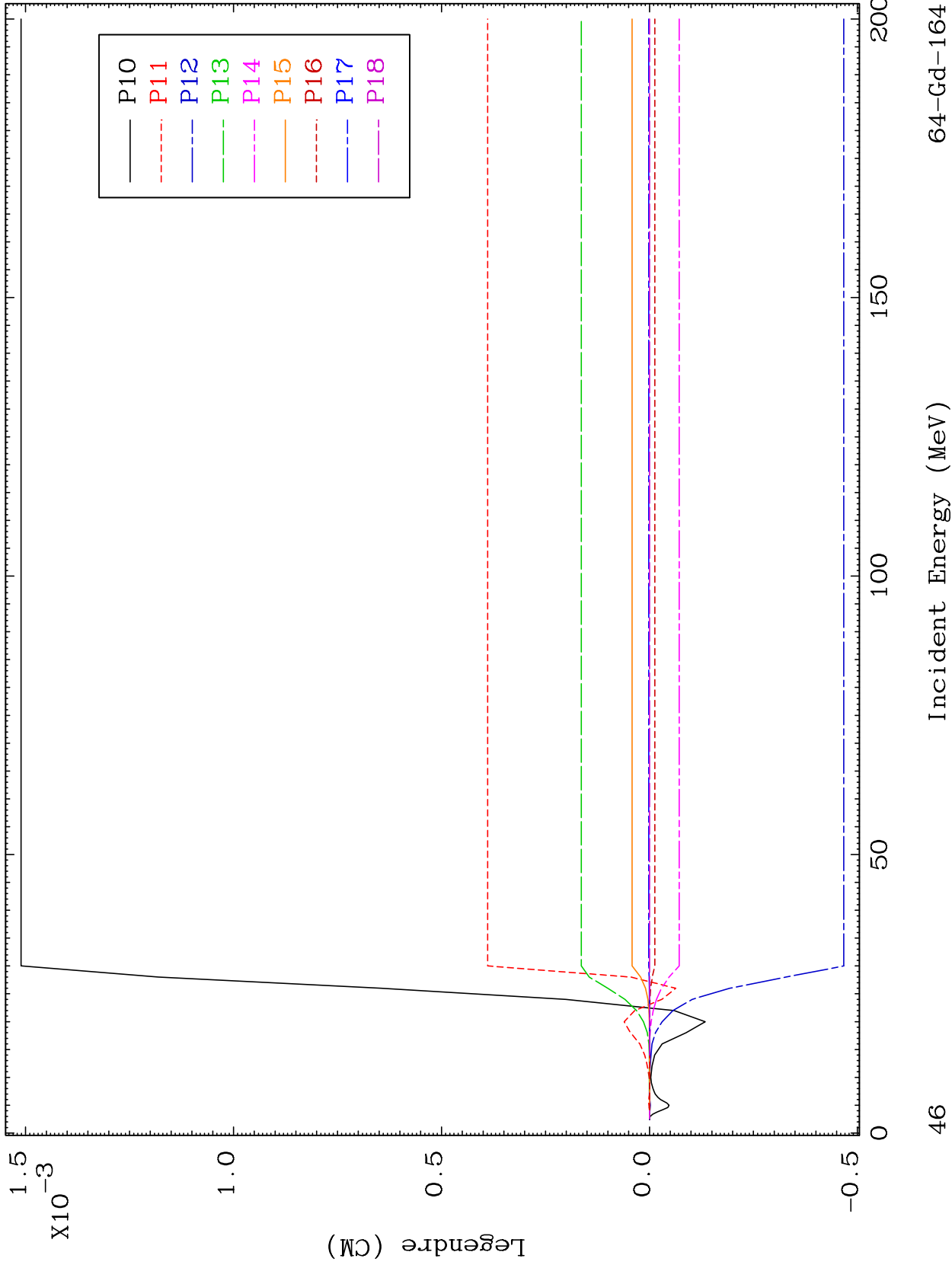
Incident Energy (MeV)

45

MAT 6461

2.378 MeV (n,n') Level  
Legendre Coefficients

64-Gd-164



46

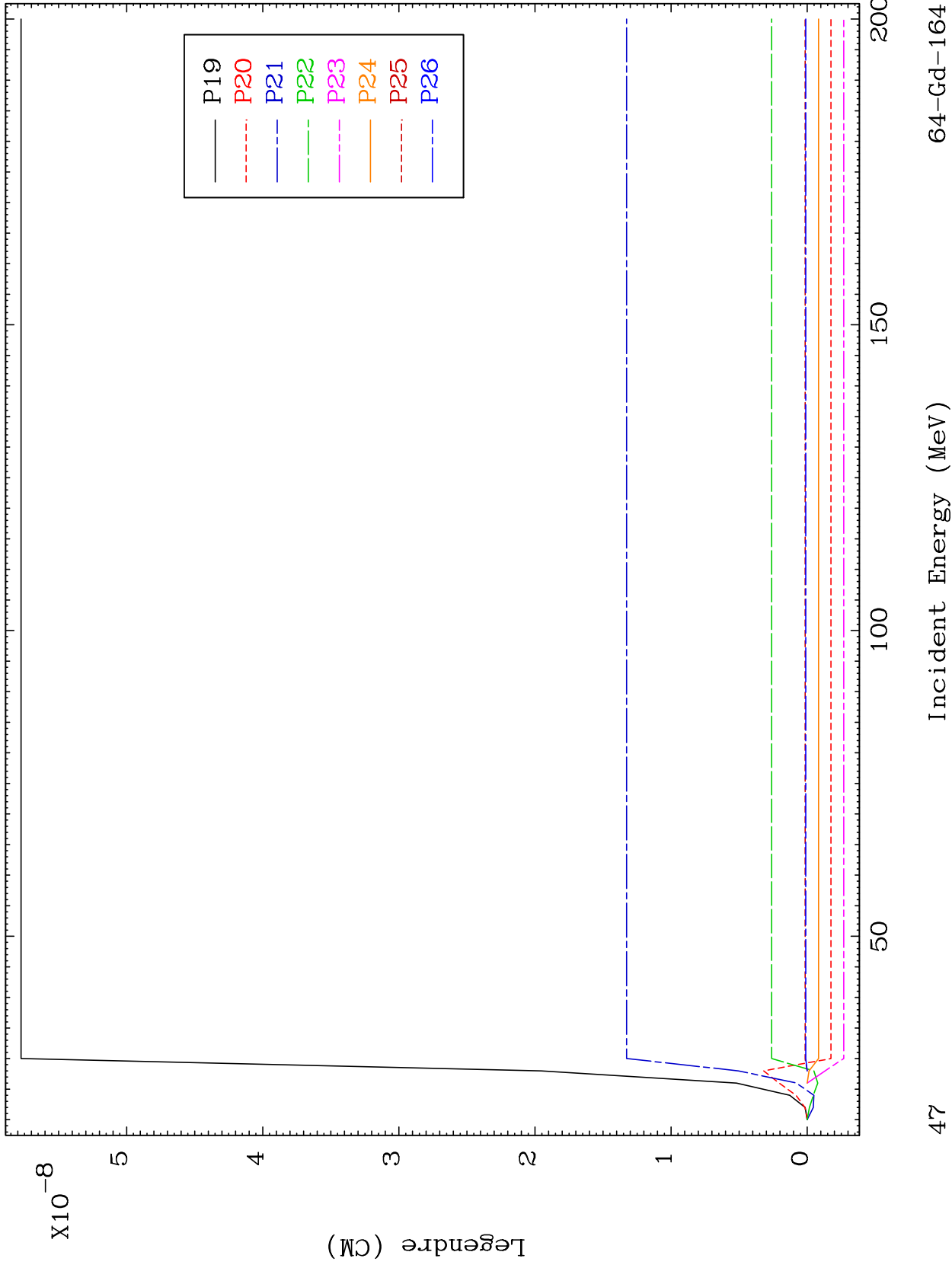
Incident Energy (MeV)

64-Gd-164

MAT 6461

2.378 MeV (n,n') Level  
Legendre Coefficients

64-Gd-164

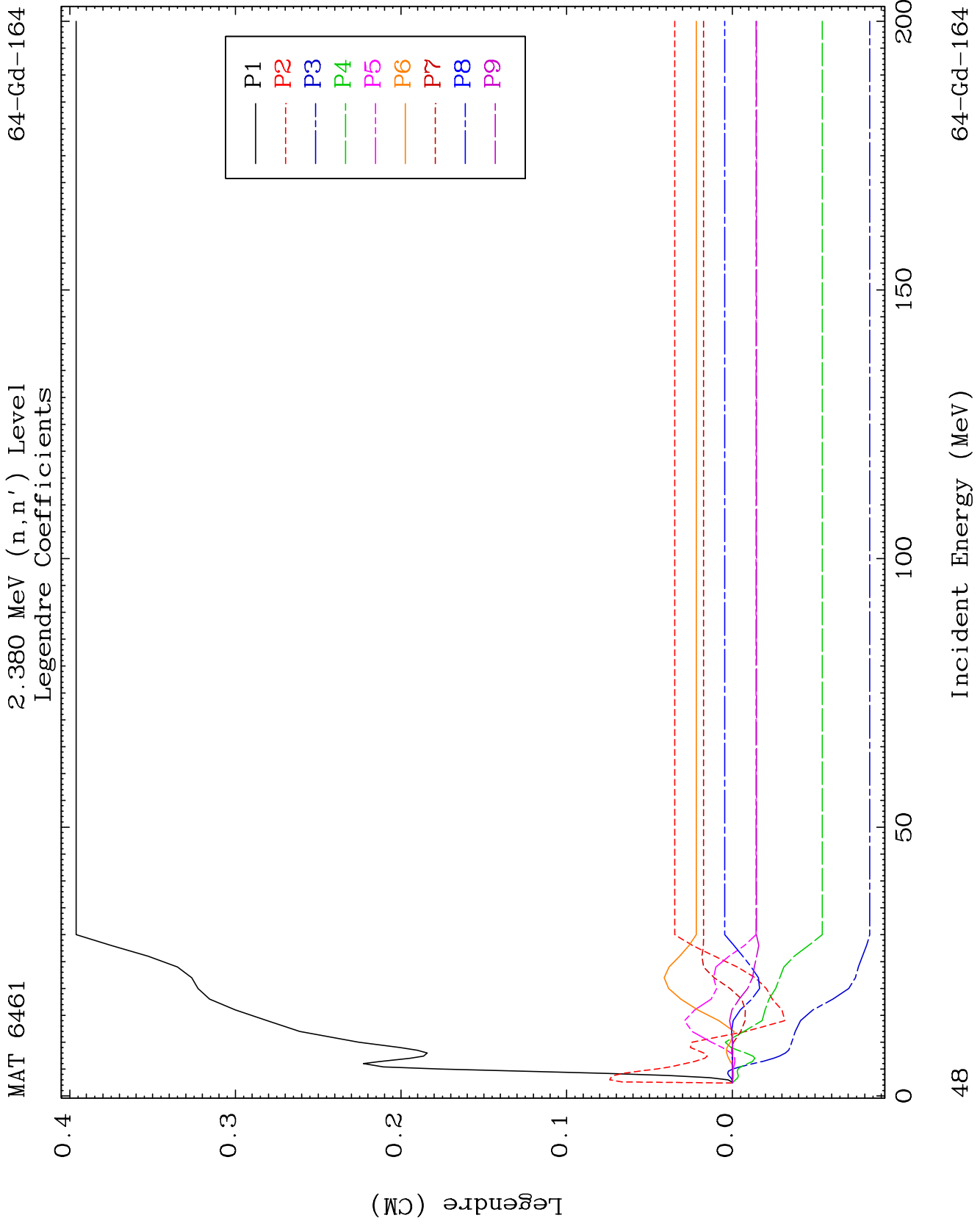


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Incident Energy (MeV)

64-Gd-164



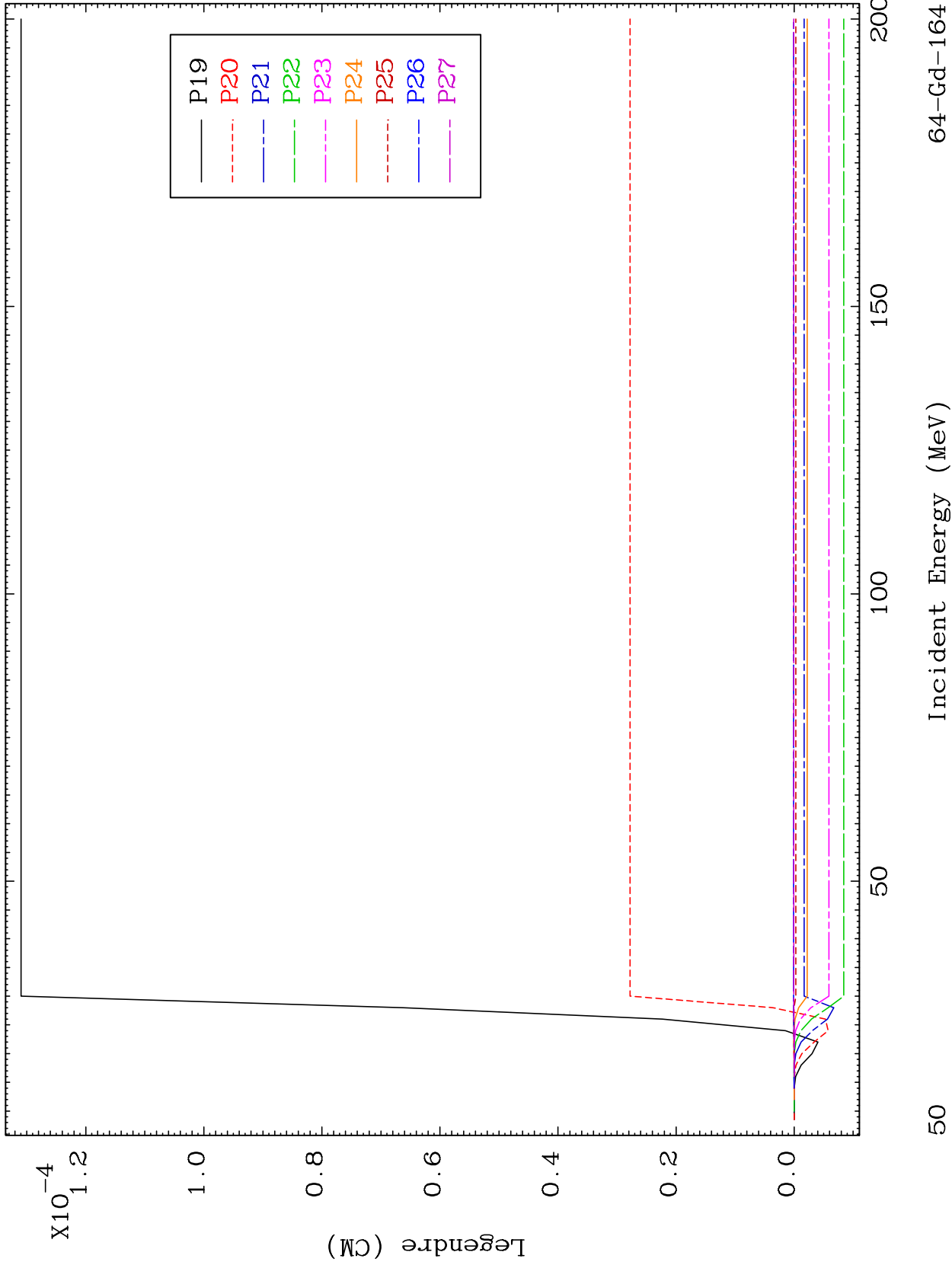




MAT 6461

2.380 MeV (n,n') Level  
Legendre Coefficients

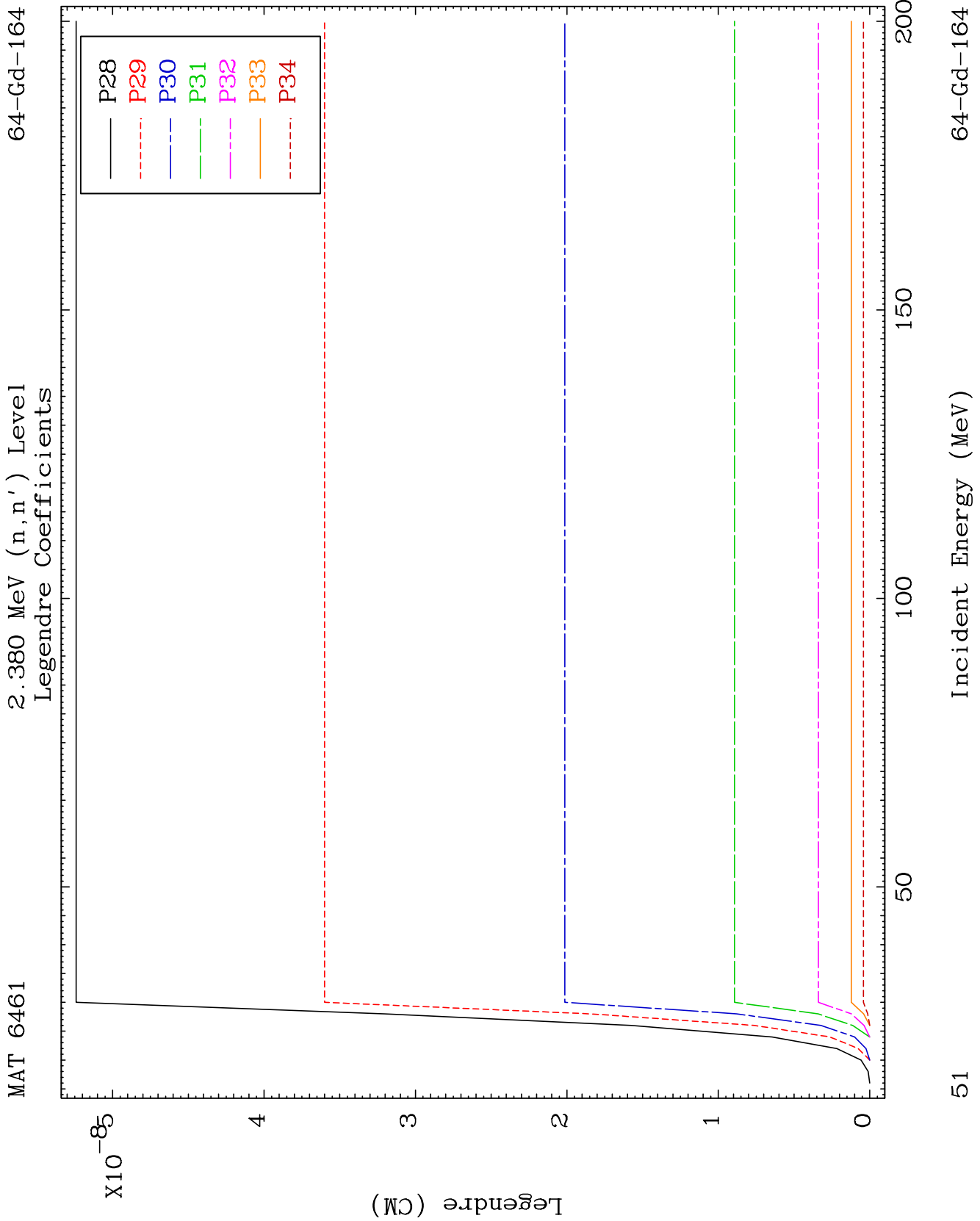
64-Gd-164



64-Gd-164

Incident Energy (MeV)

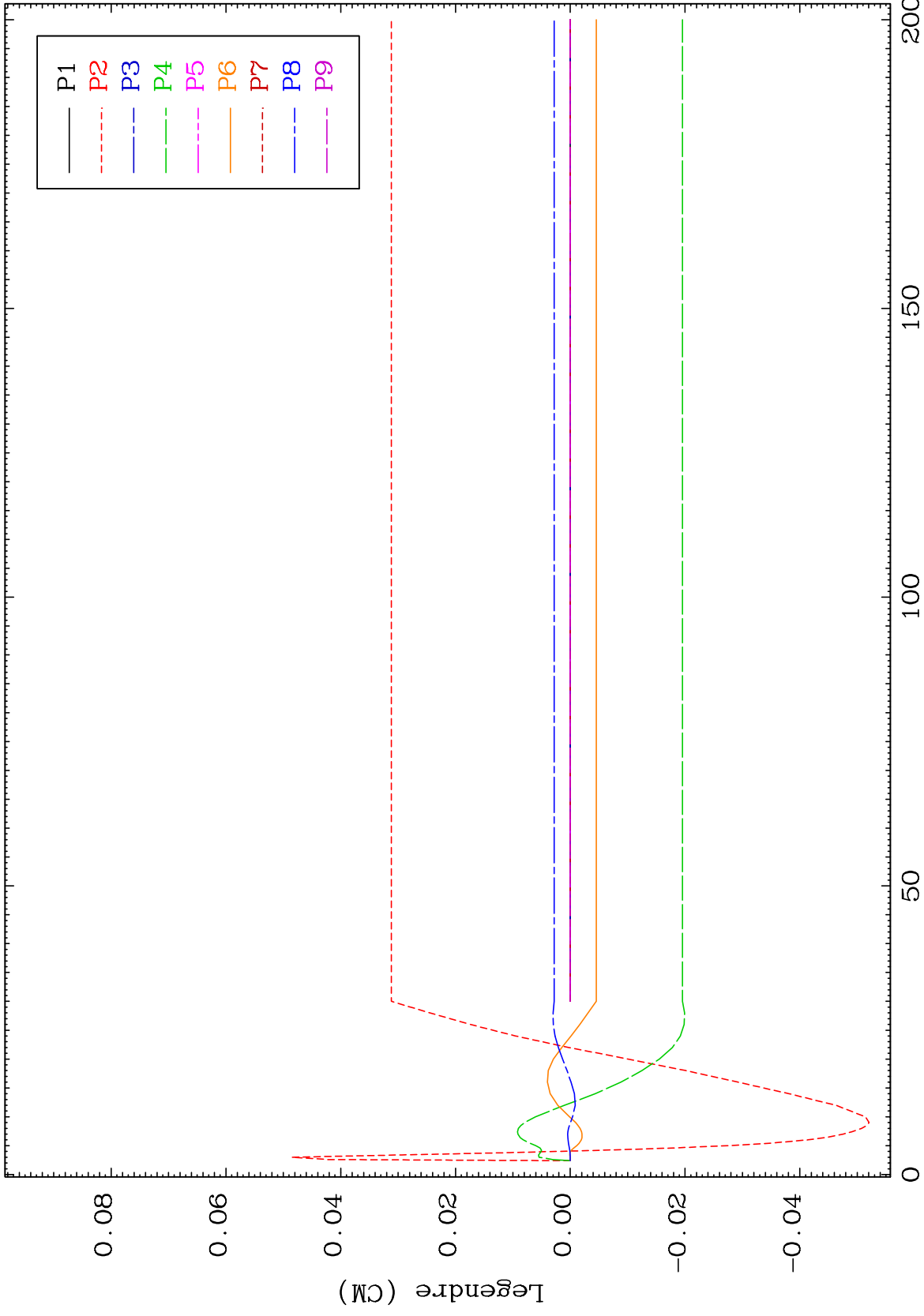
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MAT 6461

2.381 MeV (n,n') Level  
Legendre Coefficients

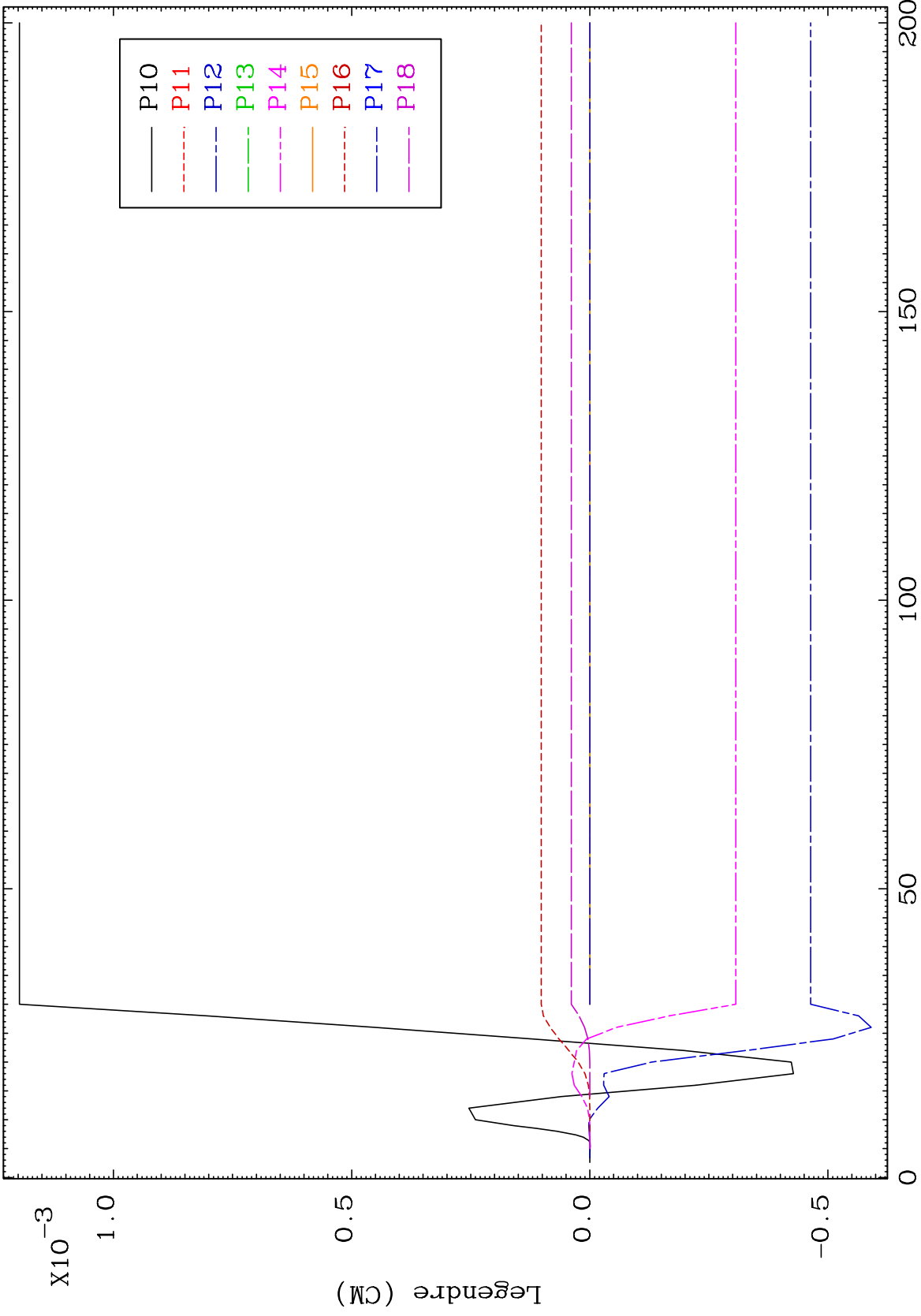
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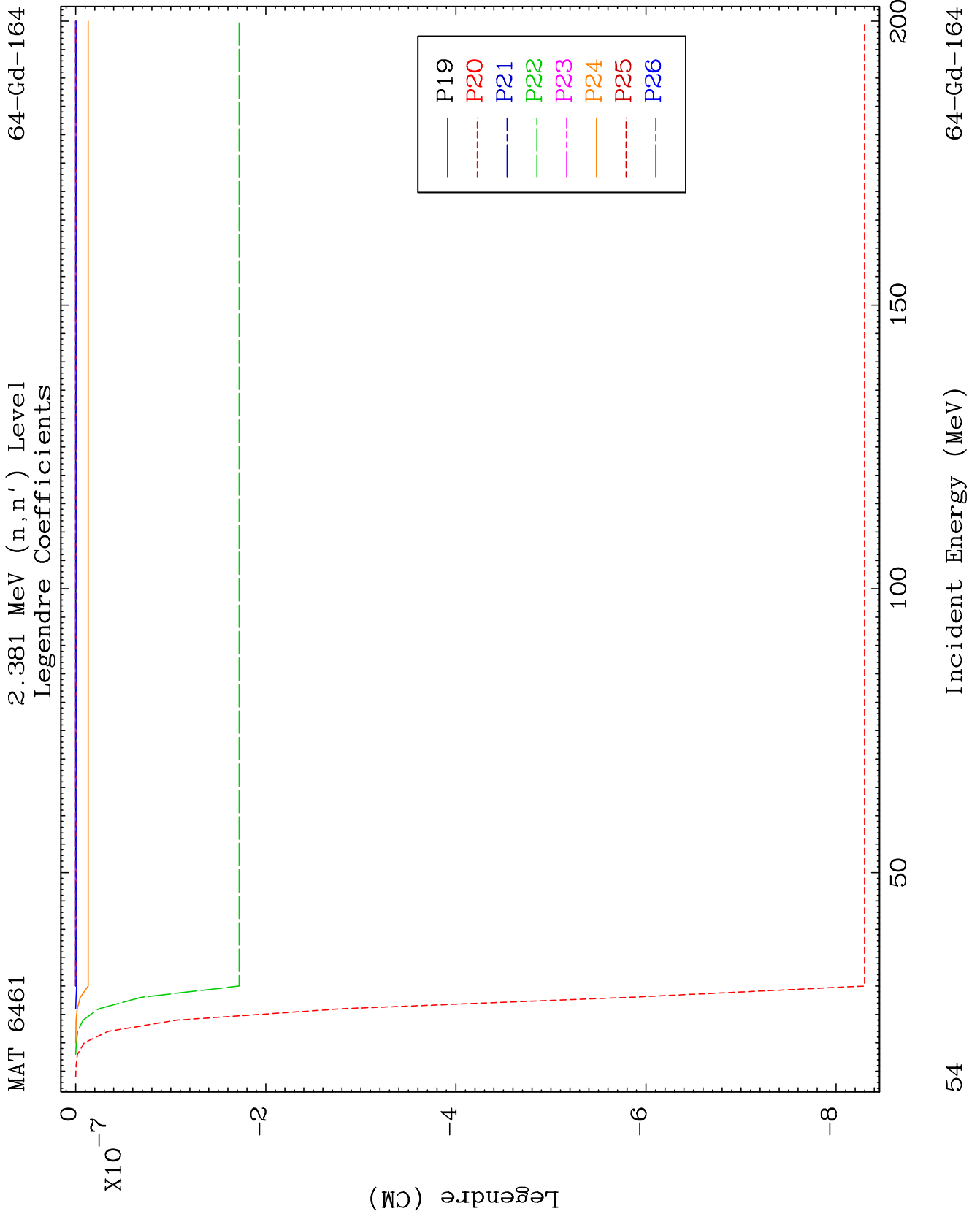


52

Incident Energy (MeV)

64-Gd-164

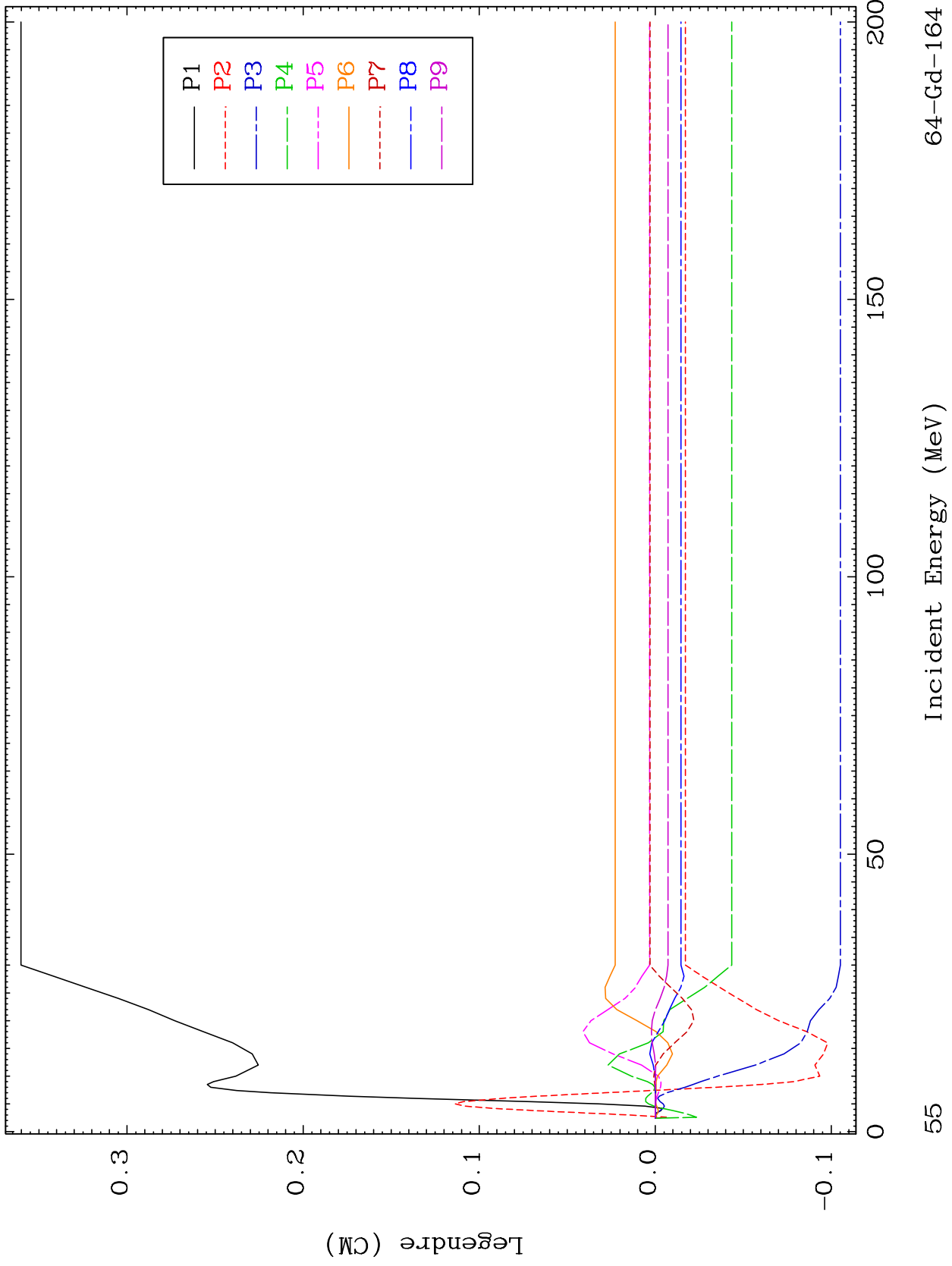




MAT 6461

2.382 MeV (n,n') Level  
Legendre Coefficients

64-Gd-164



64-Gd-164

Incident Energy (MeV)

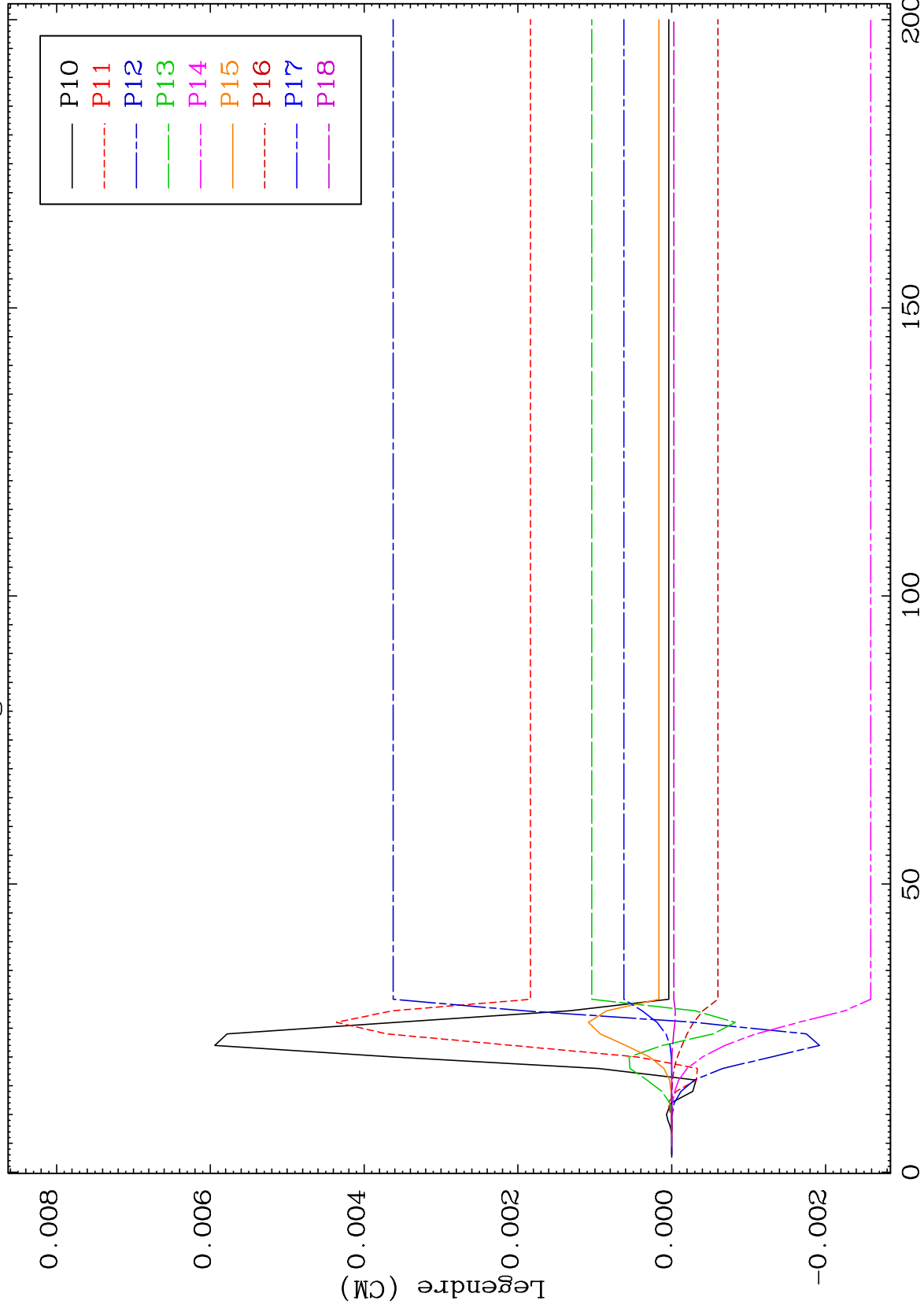
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MAT 6461

2.382 MeV (n,n') Level  
Legendre Coefficients

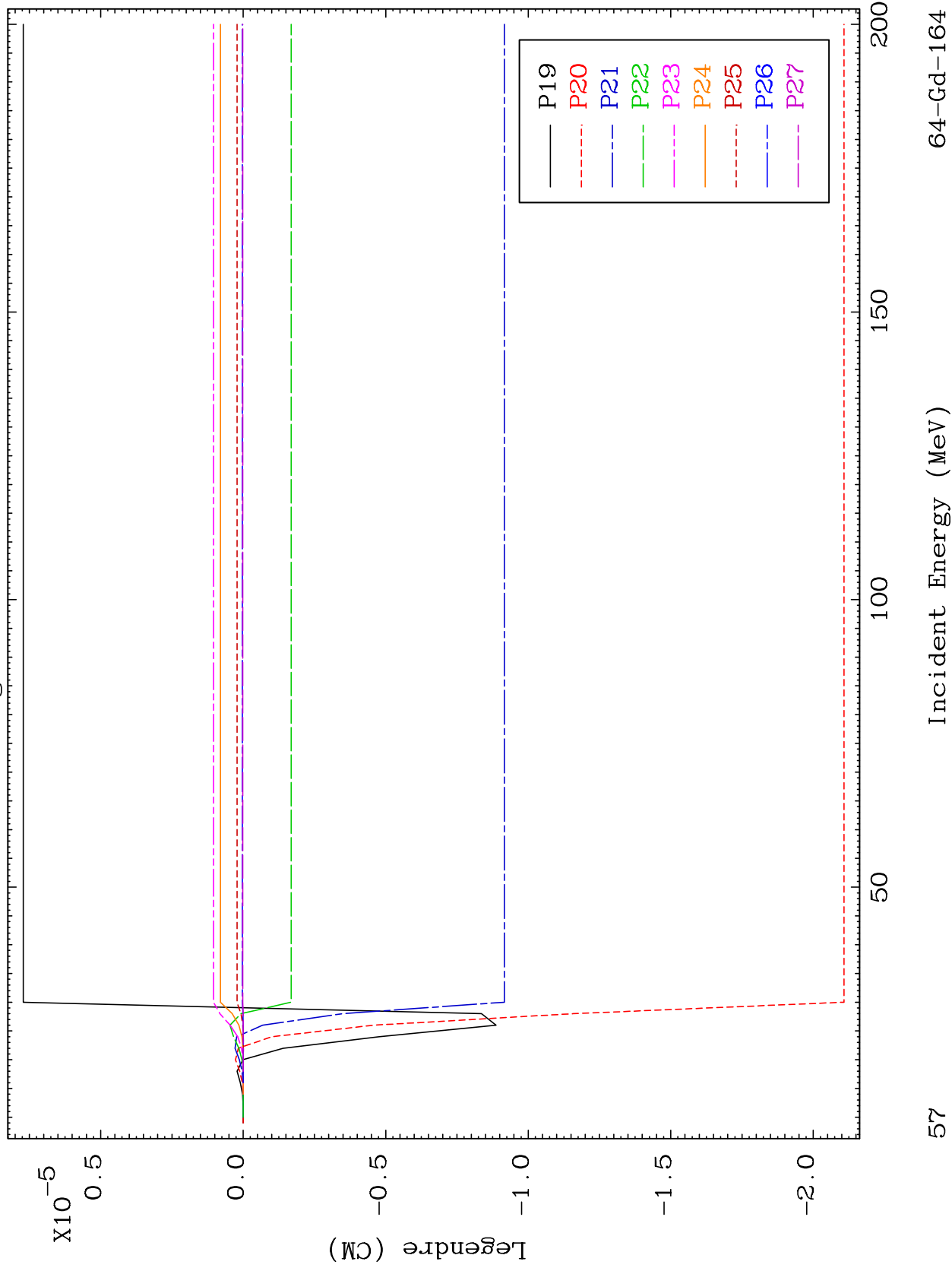
64-Gd-164



56

Incident Energy (MeV)

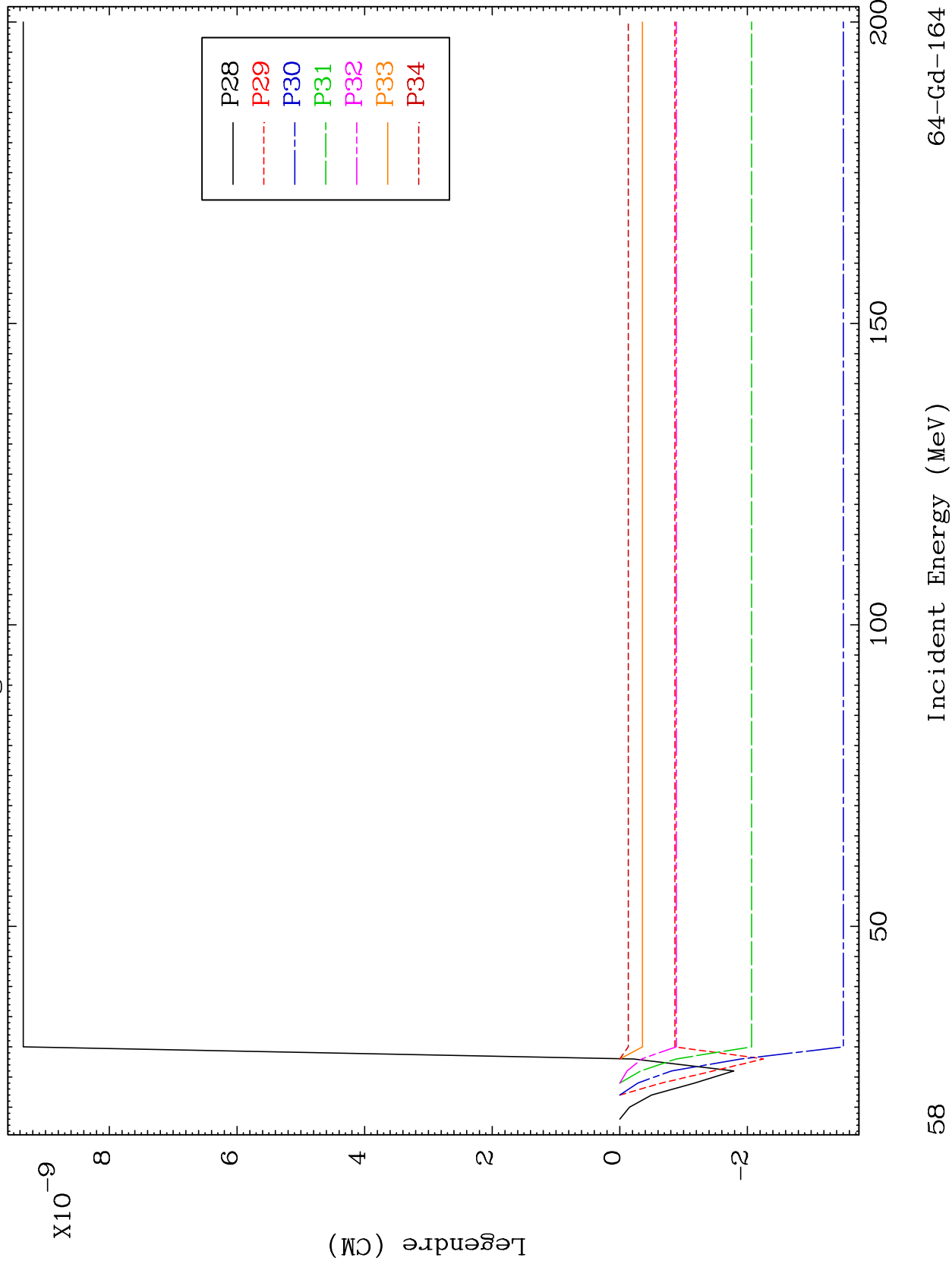
64-Gd-164



MAT 6461

2.382 MeV (n,n') Level  
Legendre Coefficients

64-Gd-164

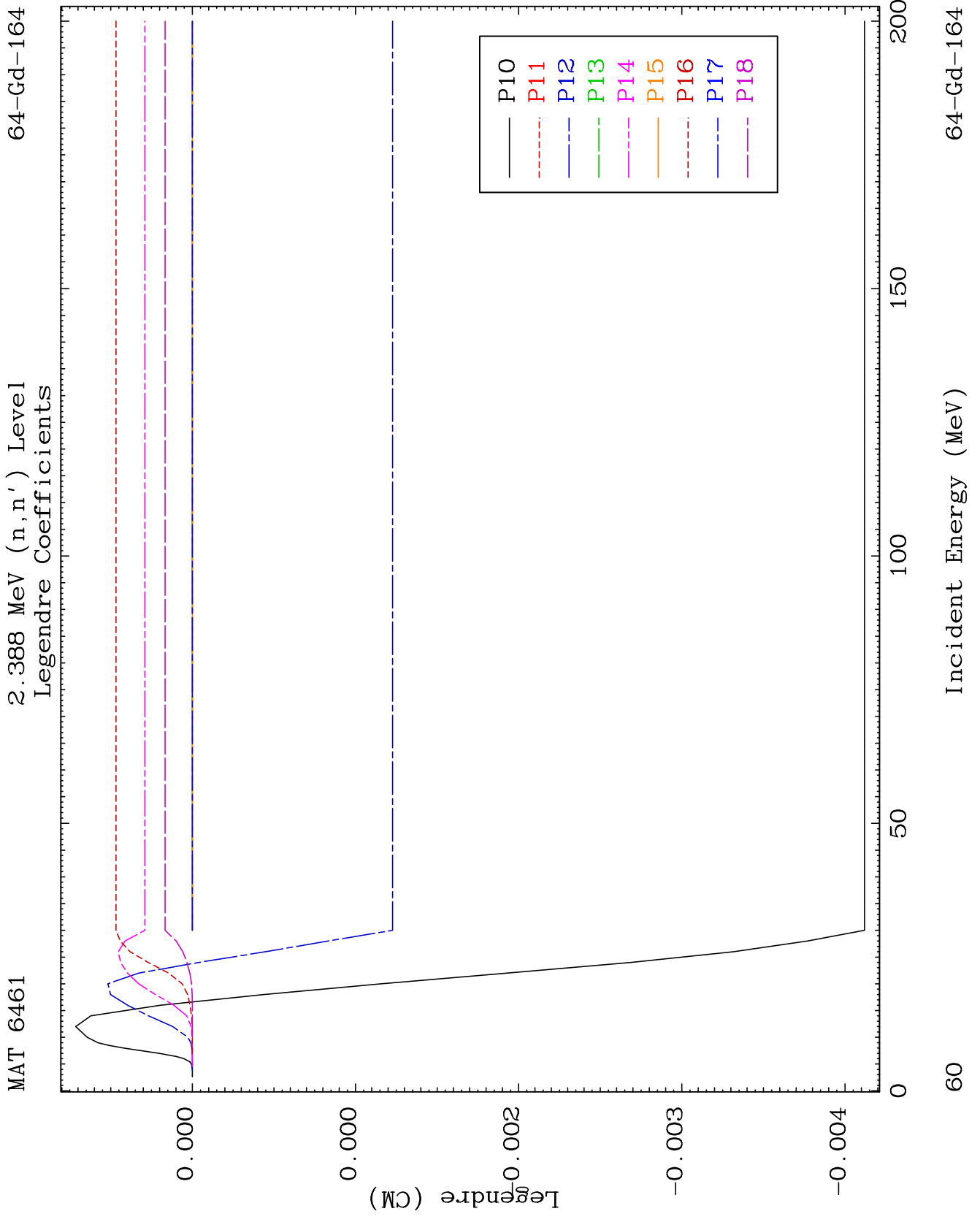


58

Incident Energy (MeV)

64-Gd-164







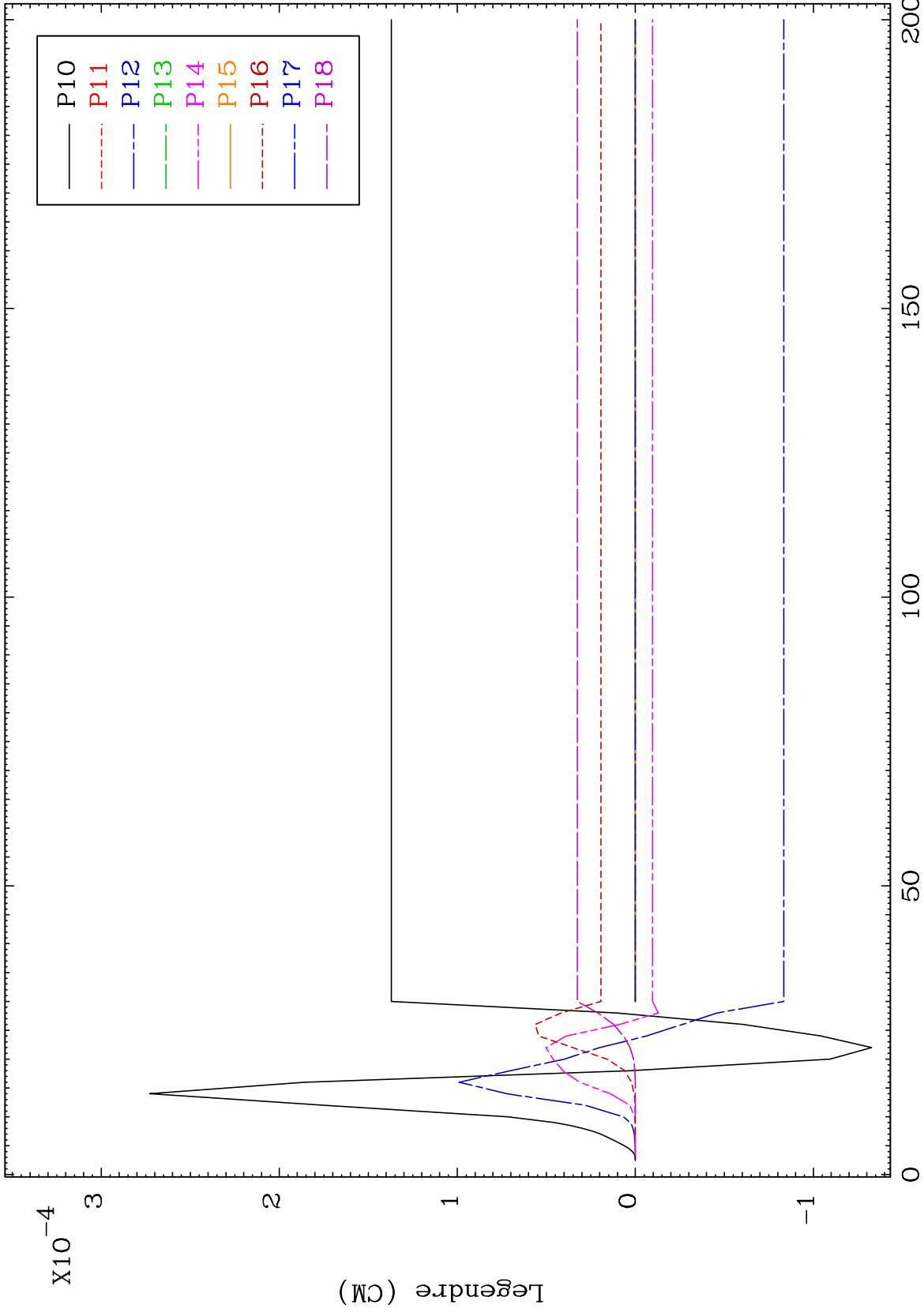


MAT 6461

2.390 MeV (n,n') Level  
Legendre Coefficients

64-Gd-164

$\times 10^{-4}$



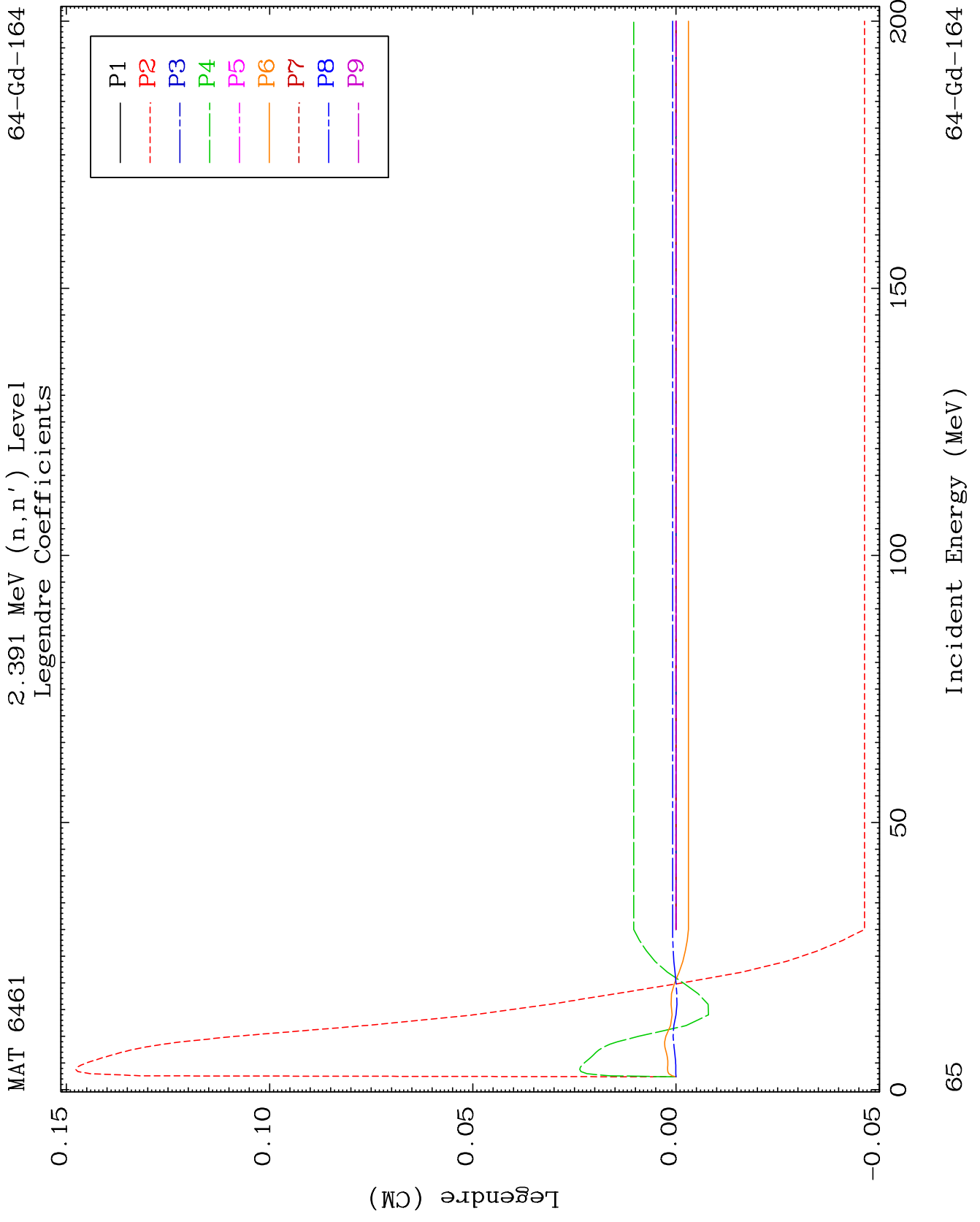
63

Incident Energy (MeV)

64-Gd-164



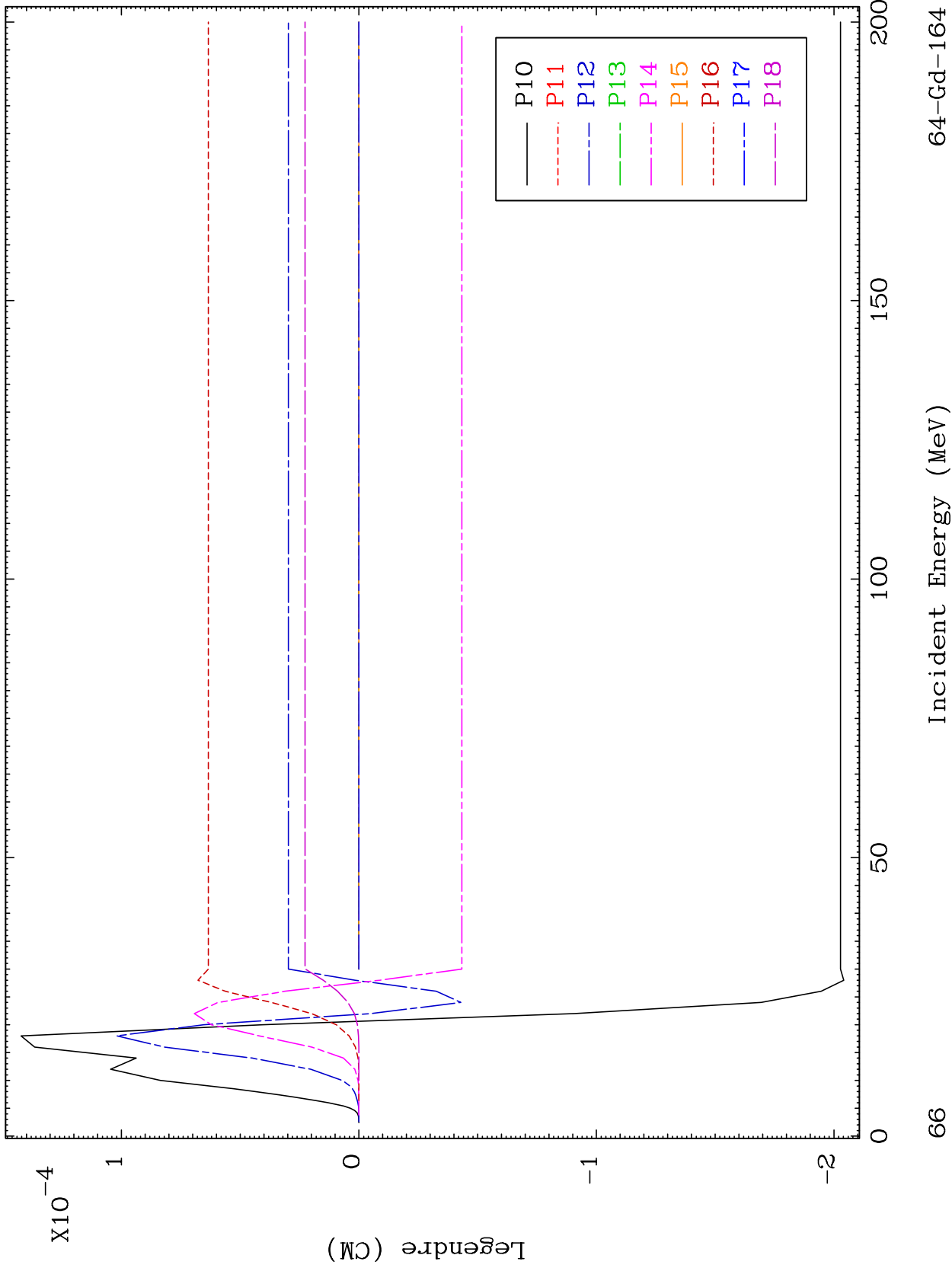




MAT 6461

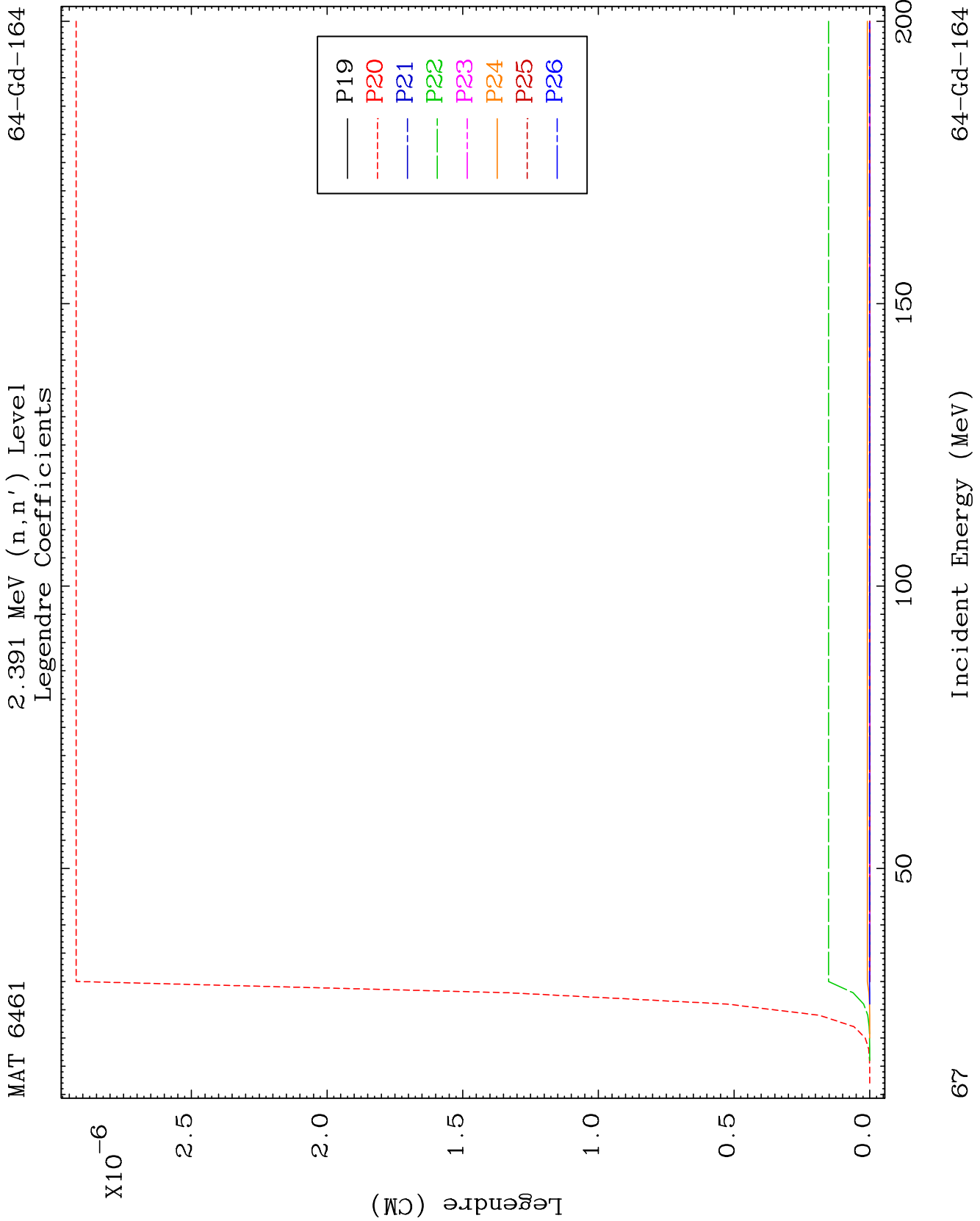
2.391 MeV (n, n') Level  
Legendre Coefficients

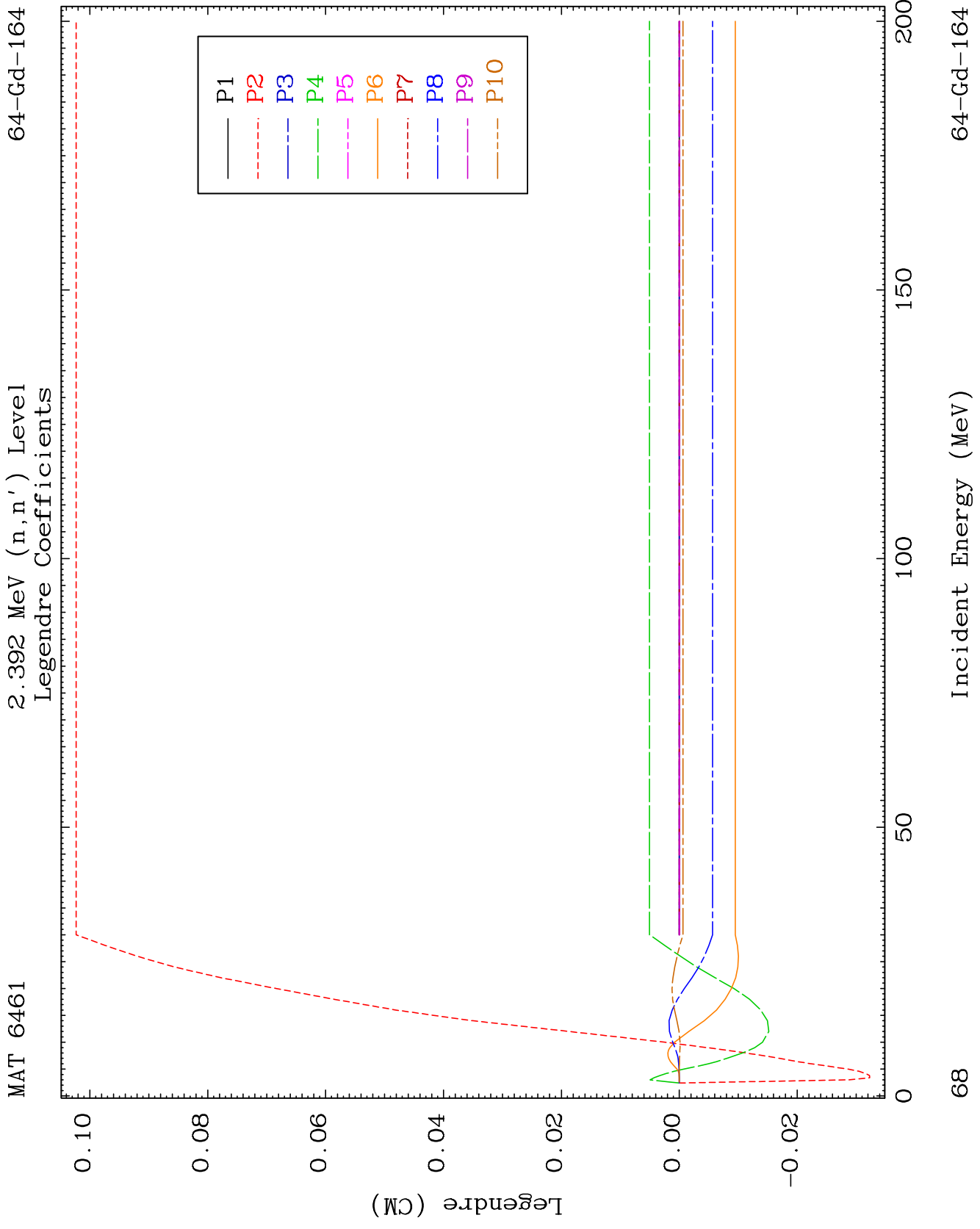
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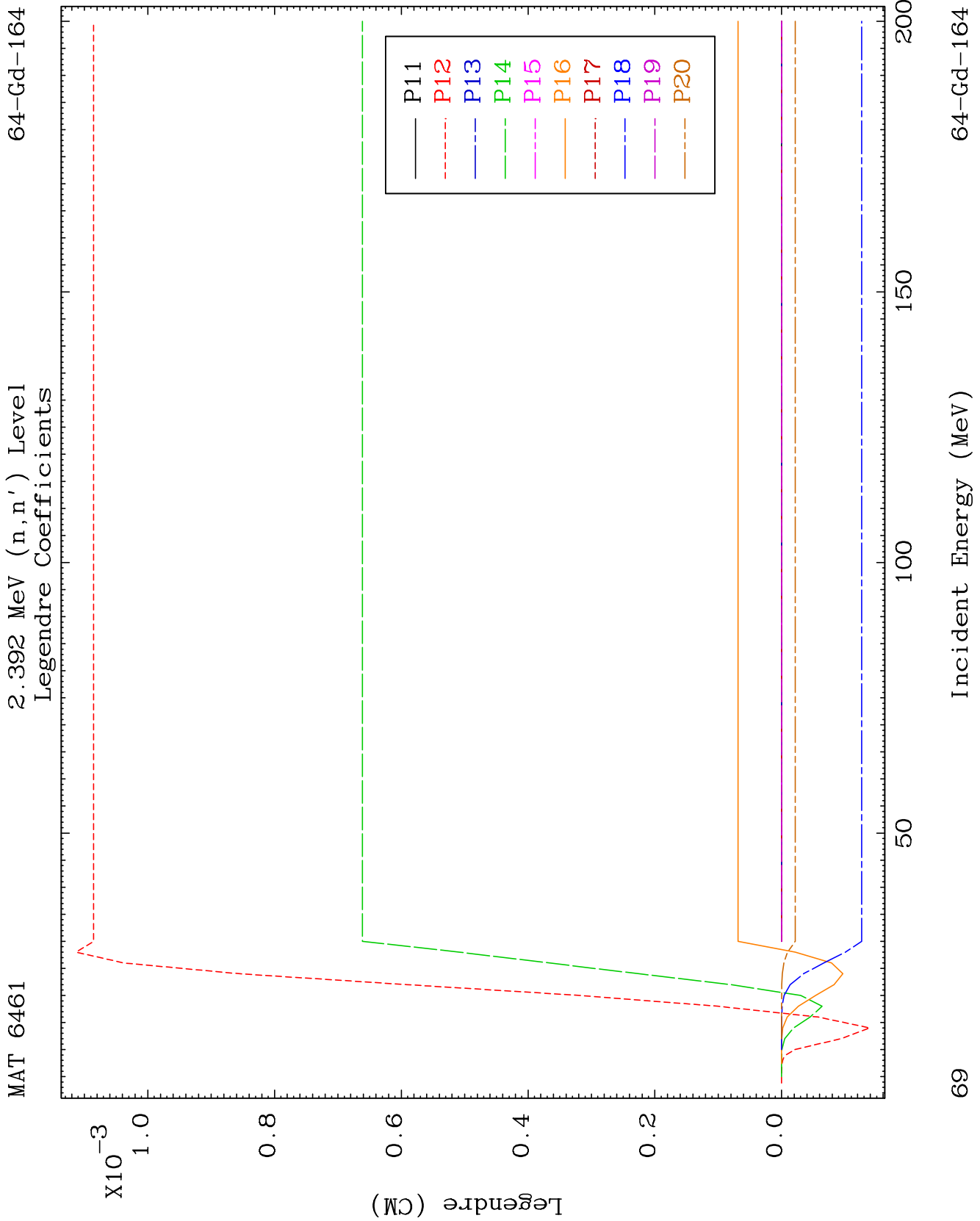


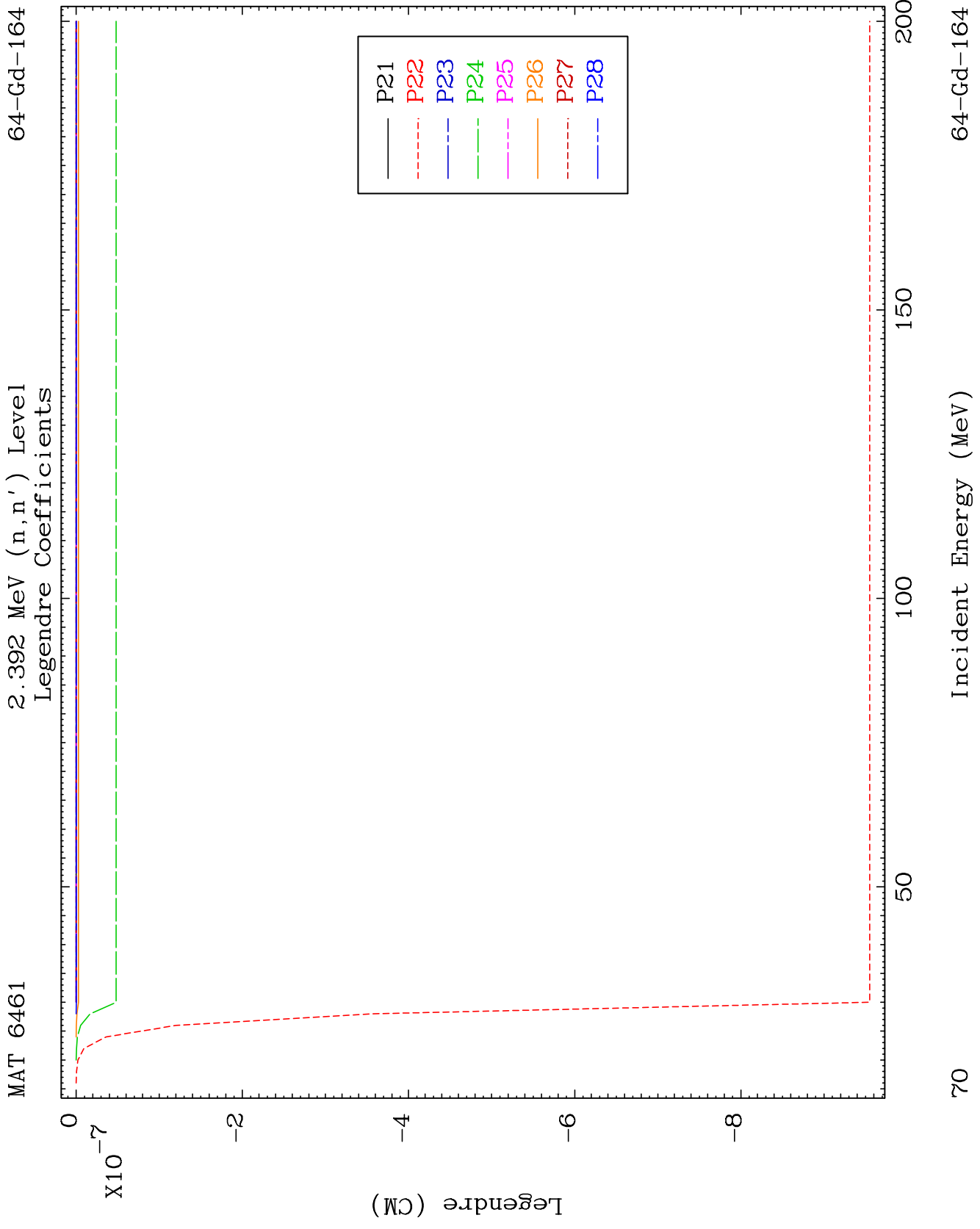
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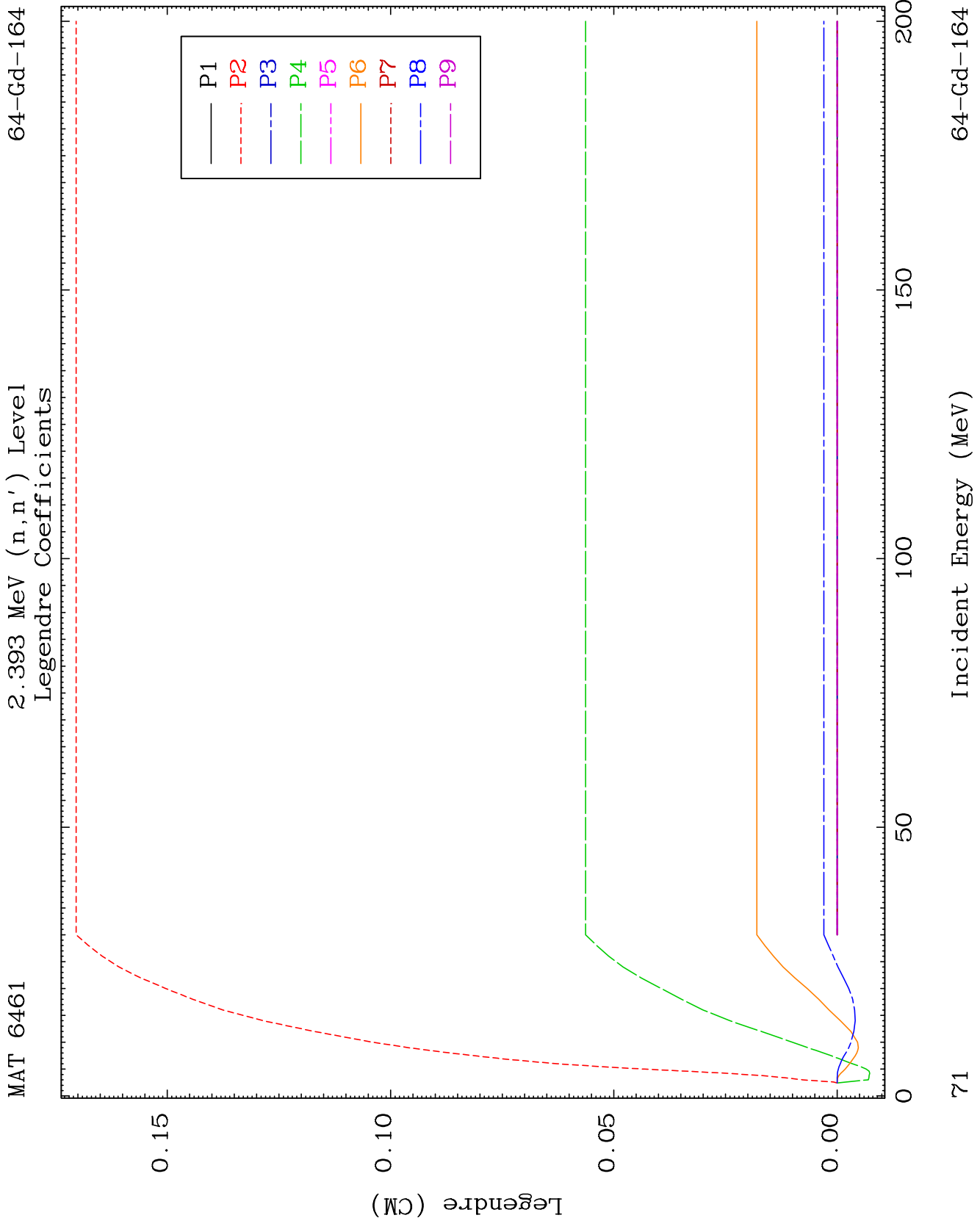
64-Gd-164









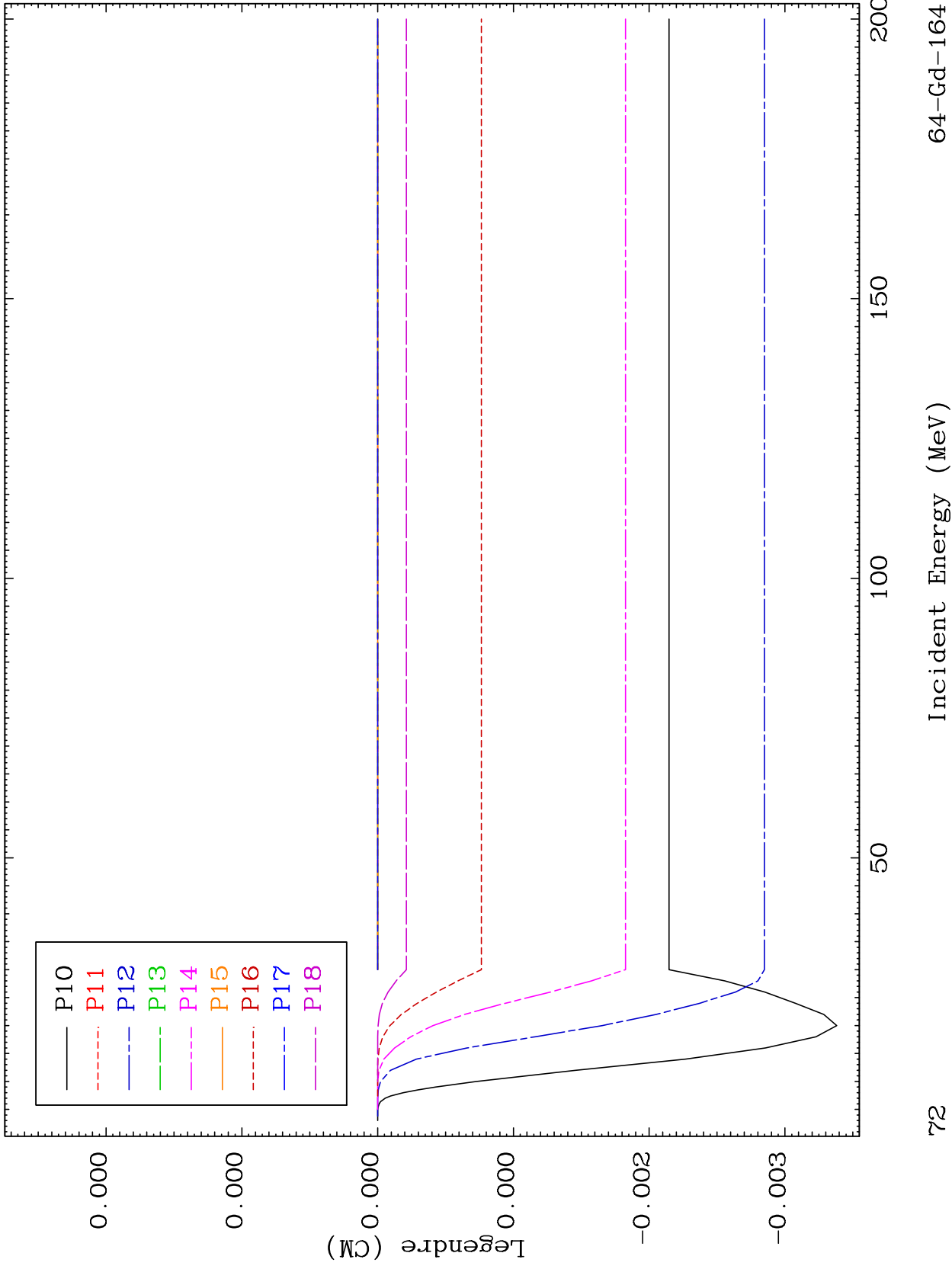




MAT 6461

2.393 MeV (n,n') Level  
Legendre Coefficients

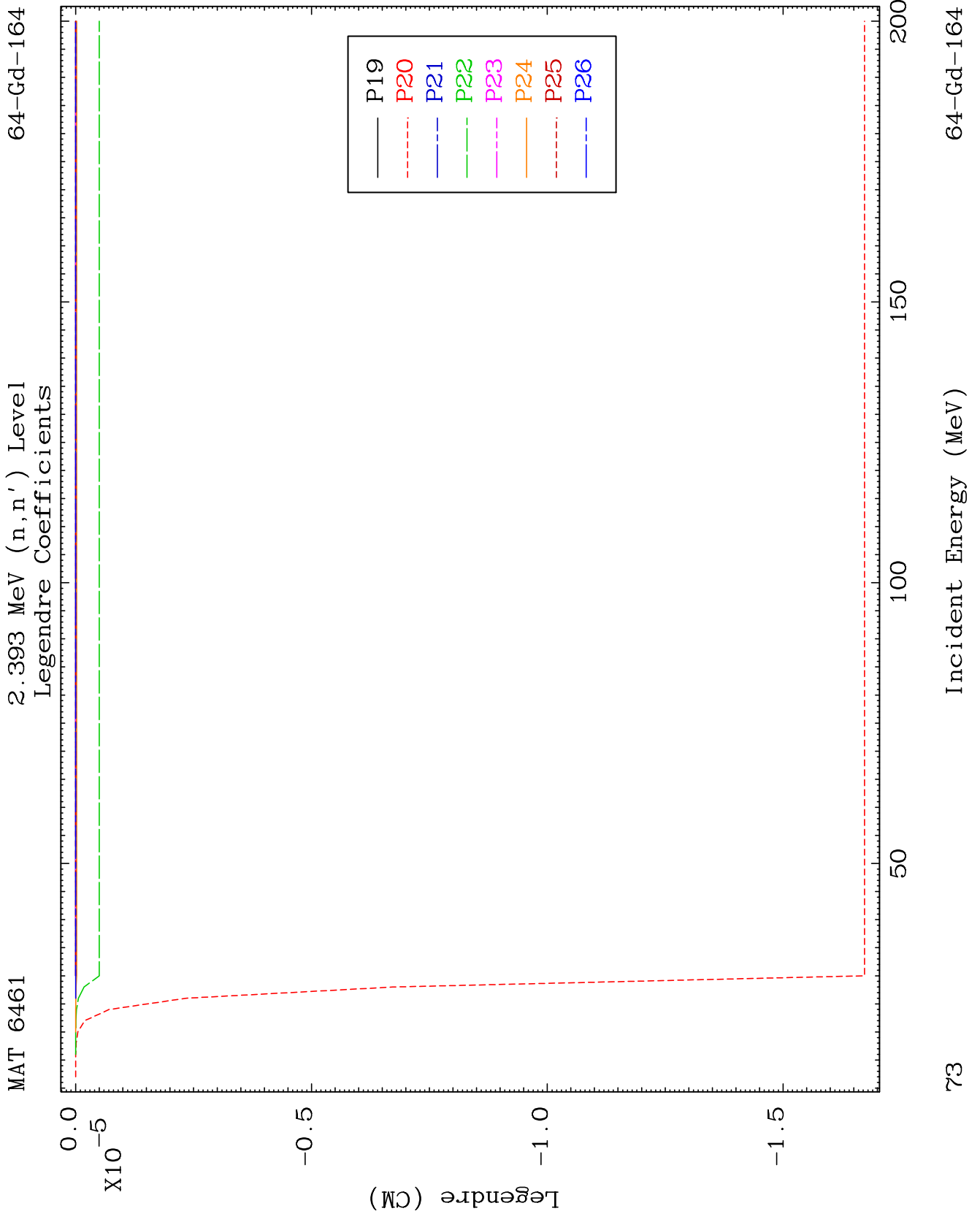
64-Gd-164



72

Incident Energy (MeV)

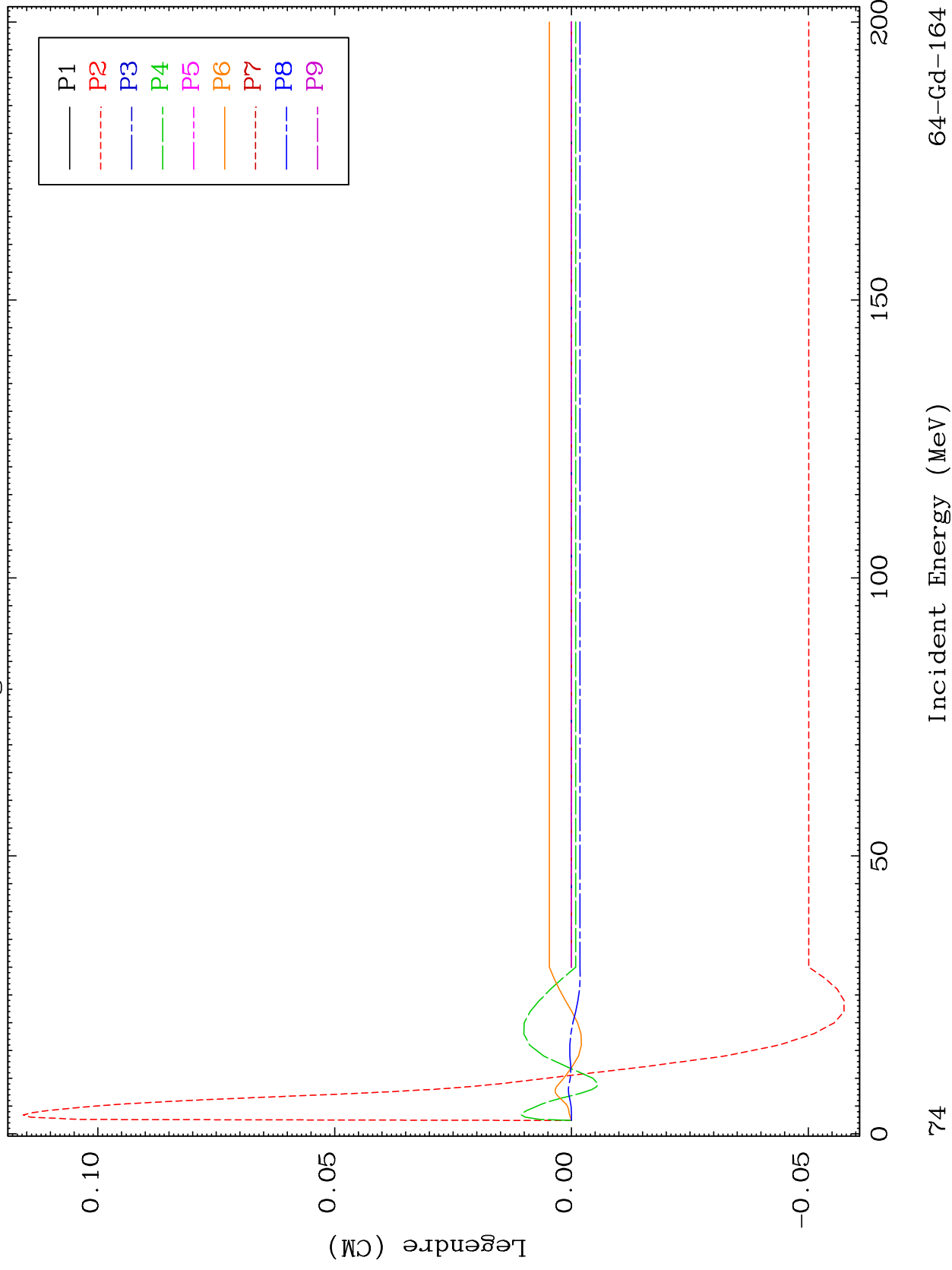
64-Gd-164



MAT 6461

2.394 MeV (n,n') Level  
Legendre Coefficients

64-Gd-164



74

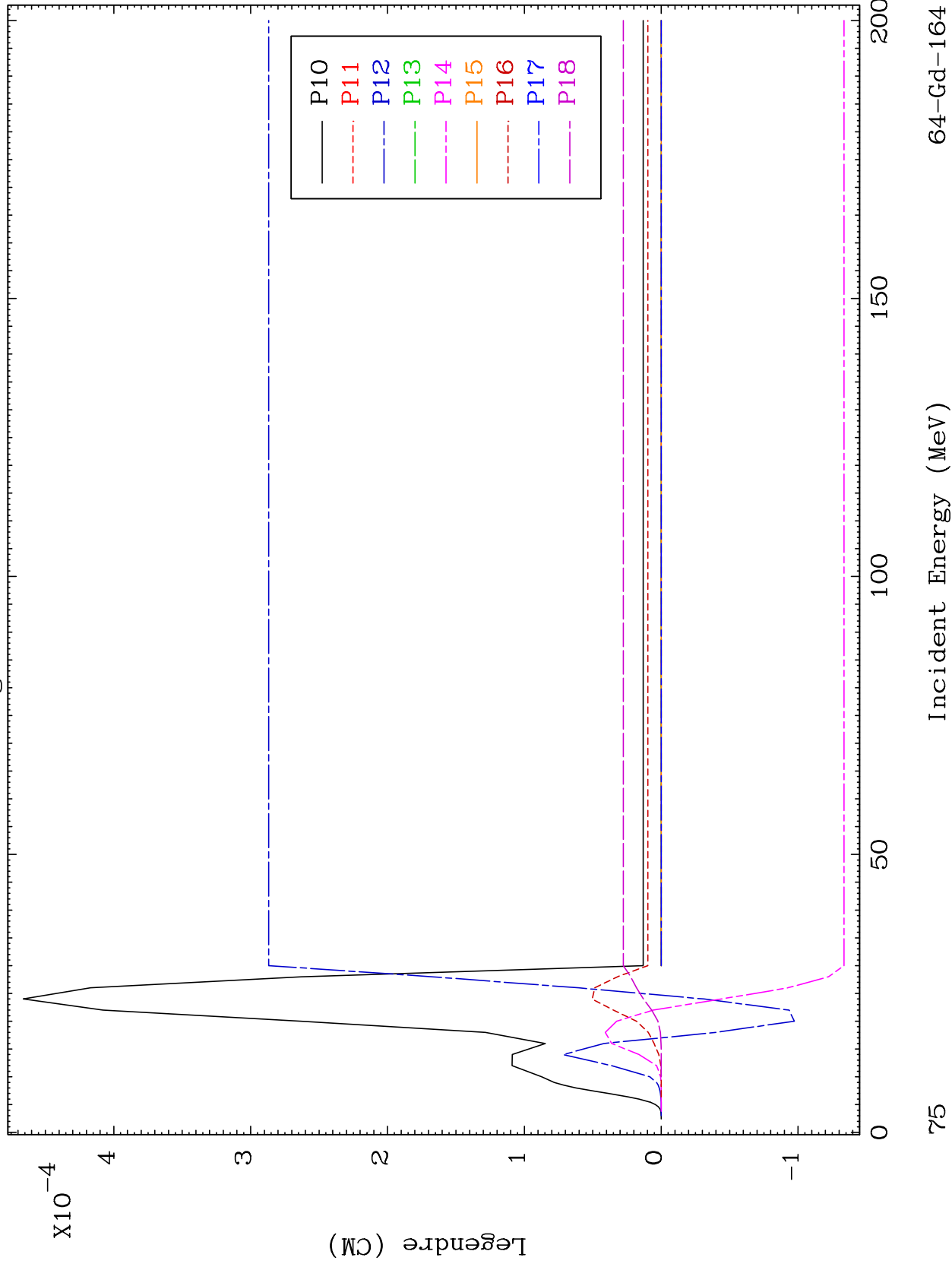
Incident Energy (MeV)

64-Gd-164

MAT 6461

2.394 MeV (n,n') Level  
Legendre Coefficients

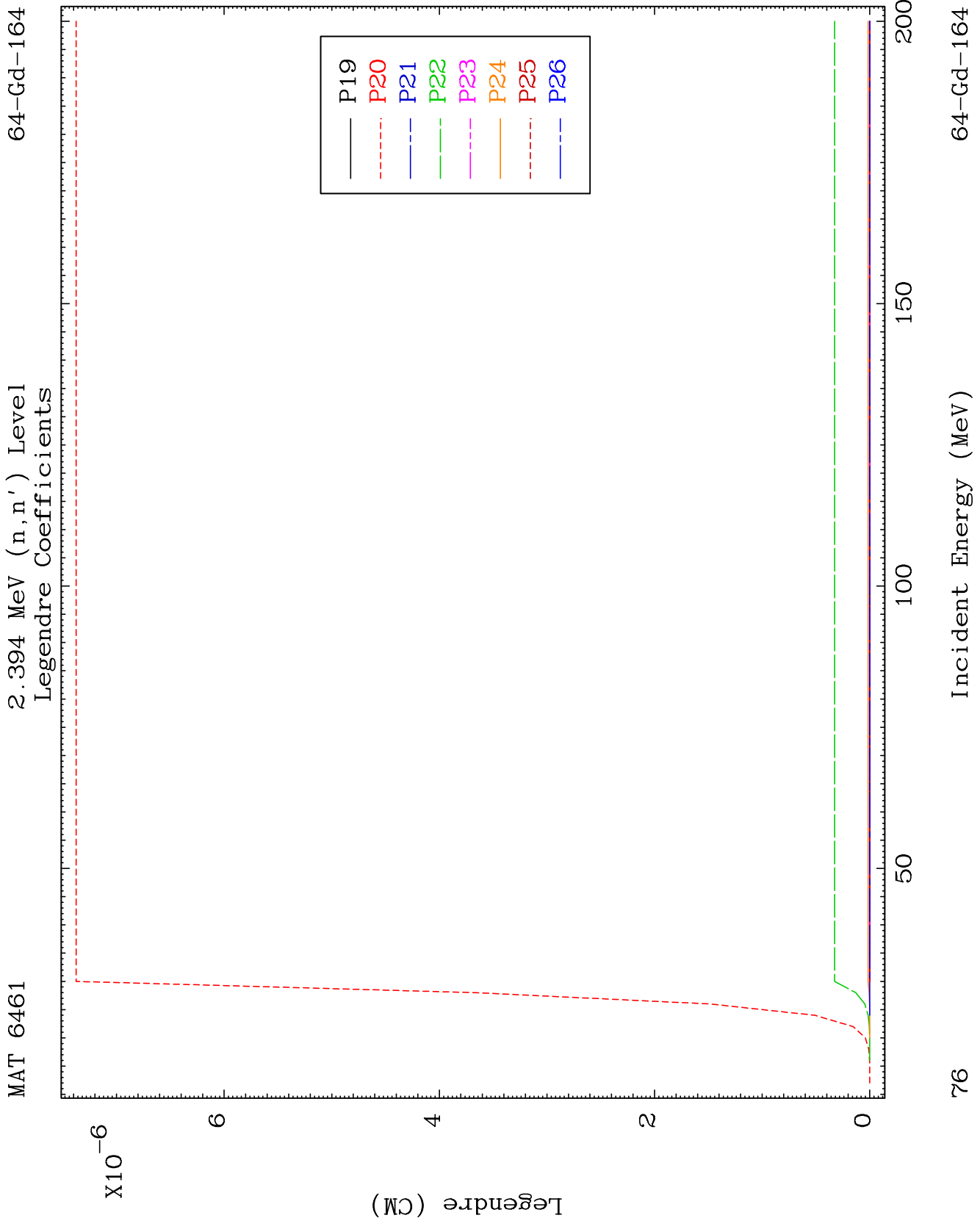
64-Gd-164



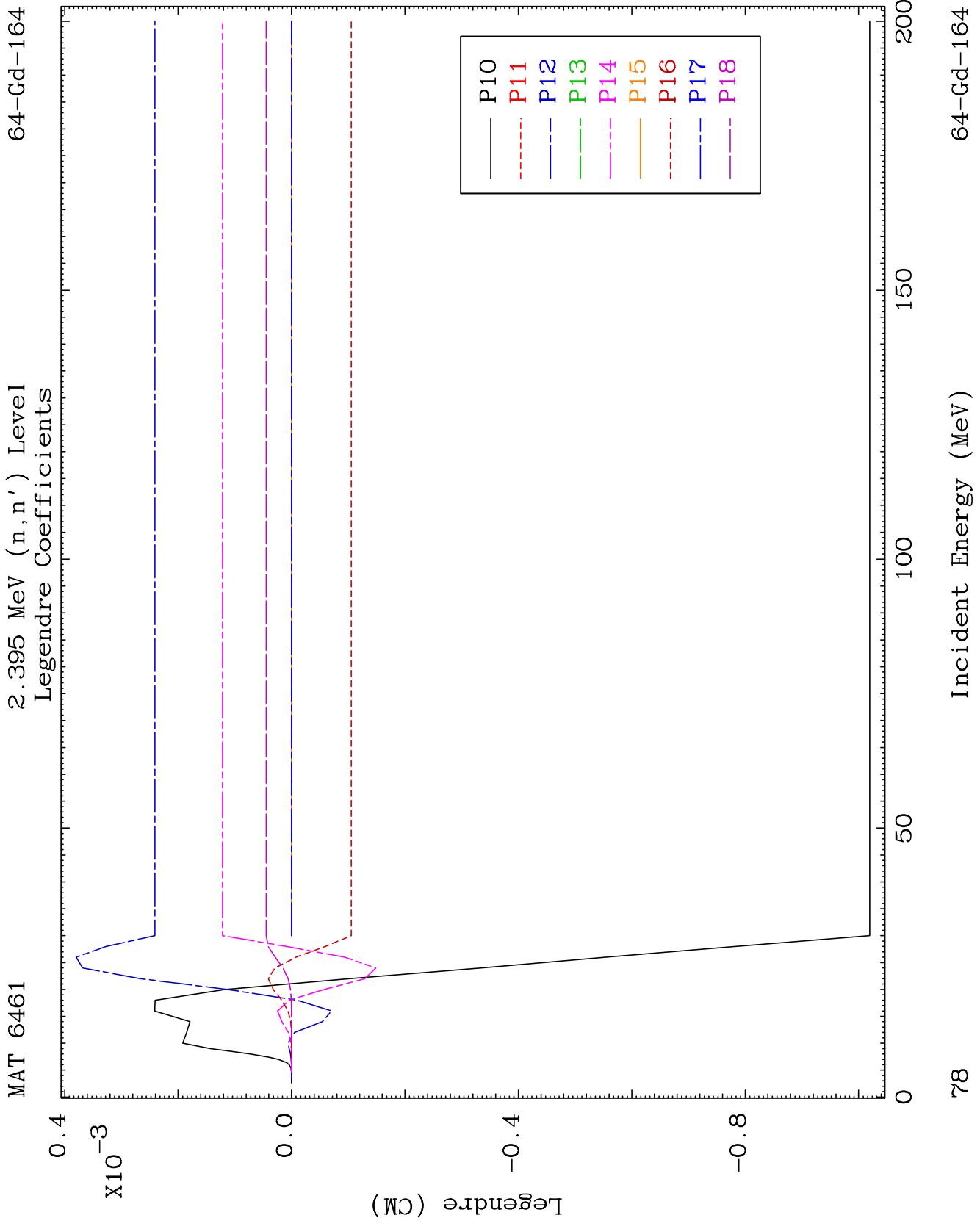
64-Gd-164

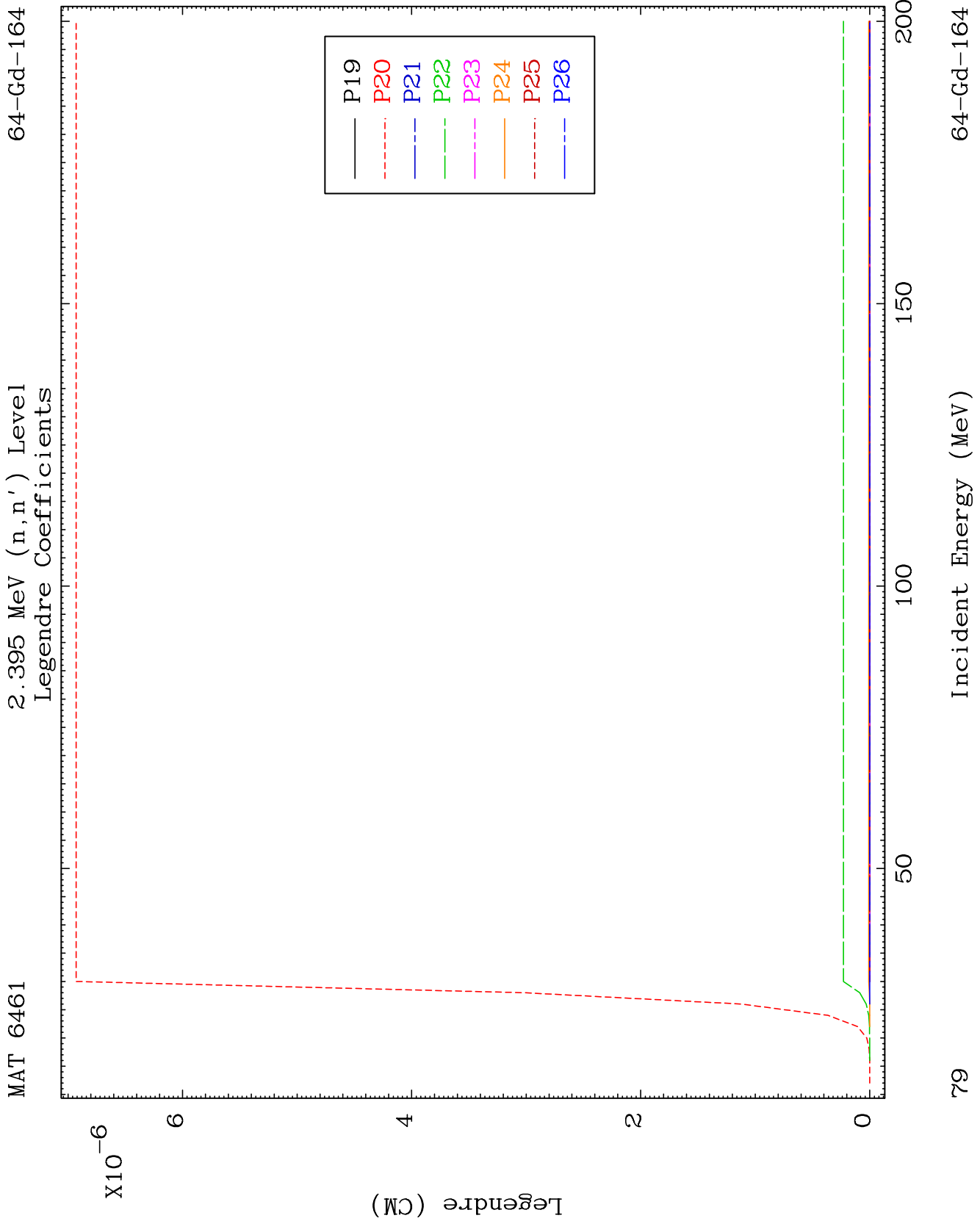
Incident Energy (MeV)

75

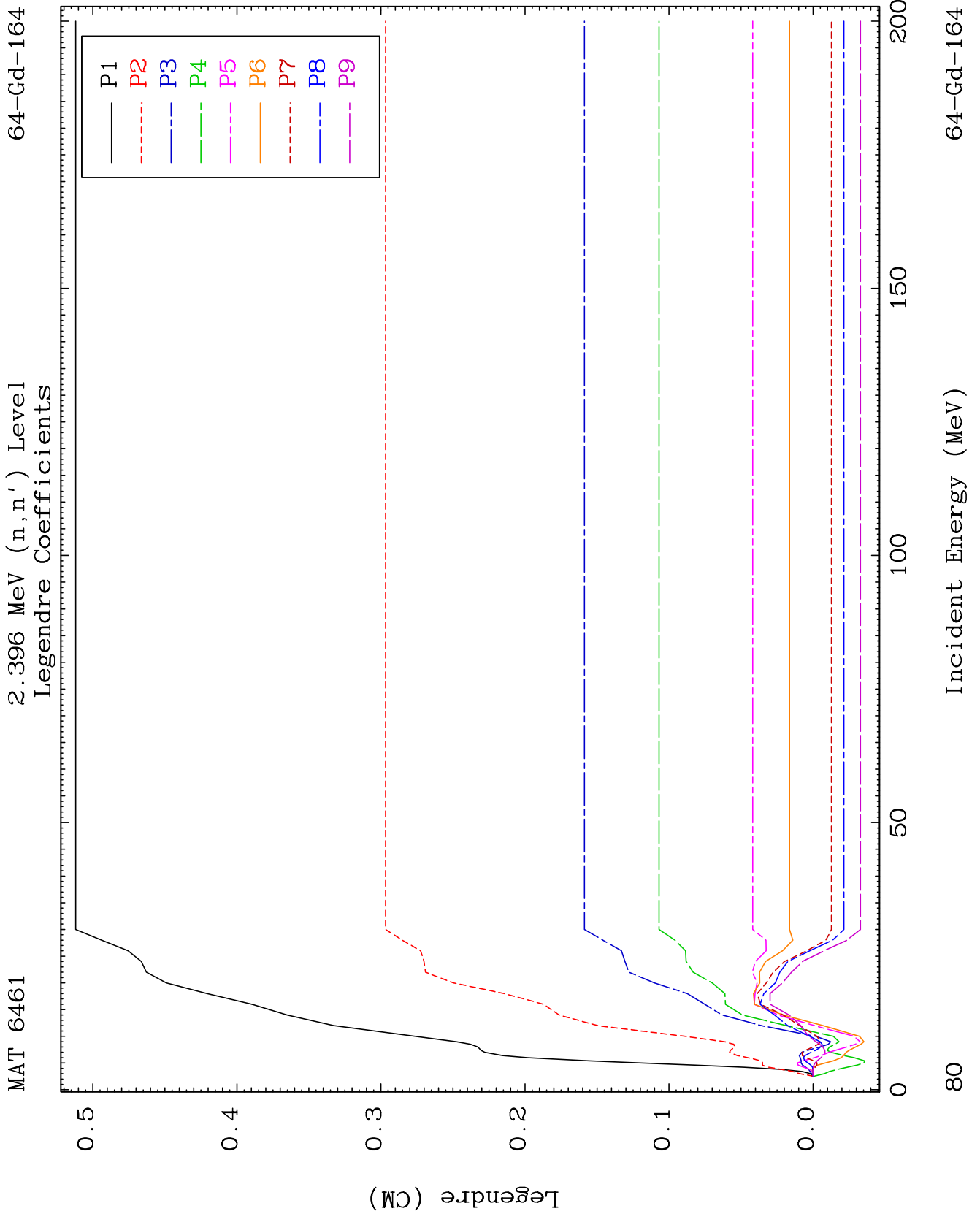








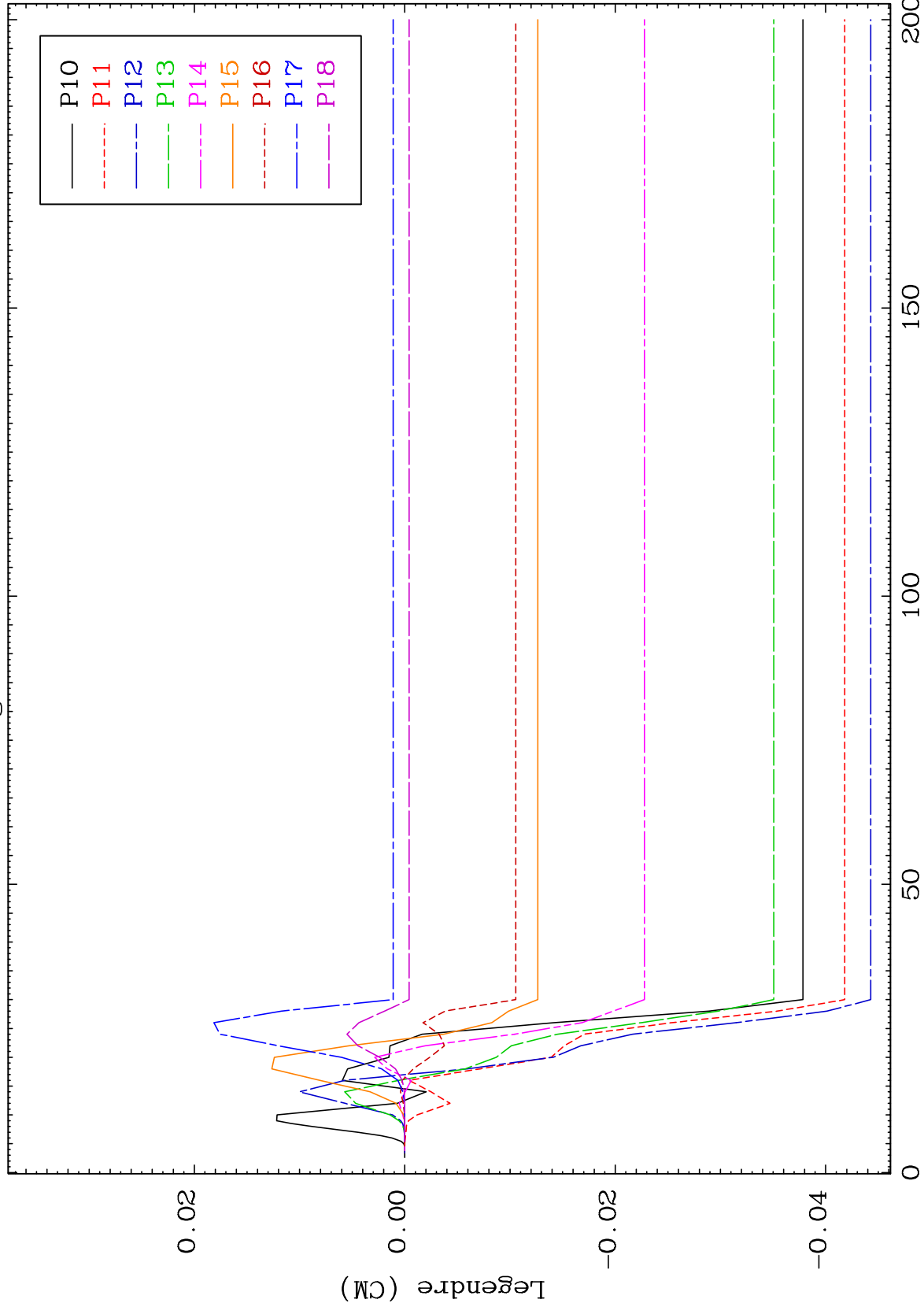




MAT 6461

2.396 MeV (n,n') Level  
Legendre Coefficients

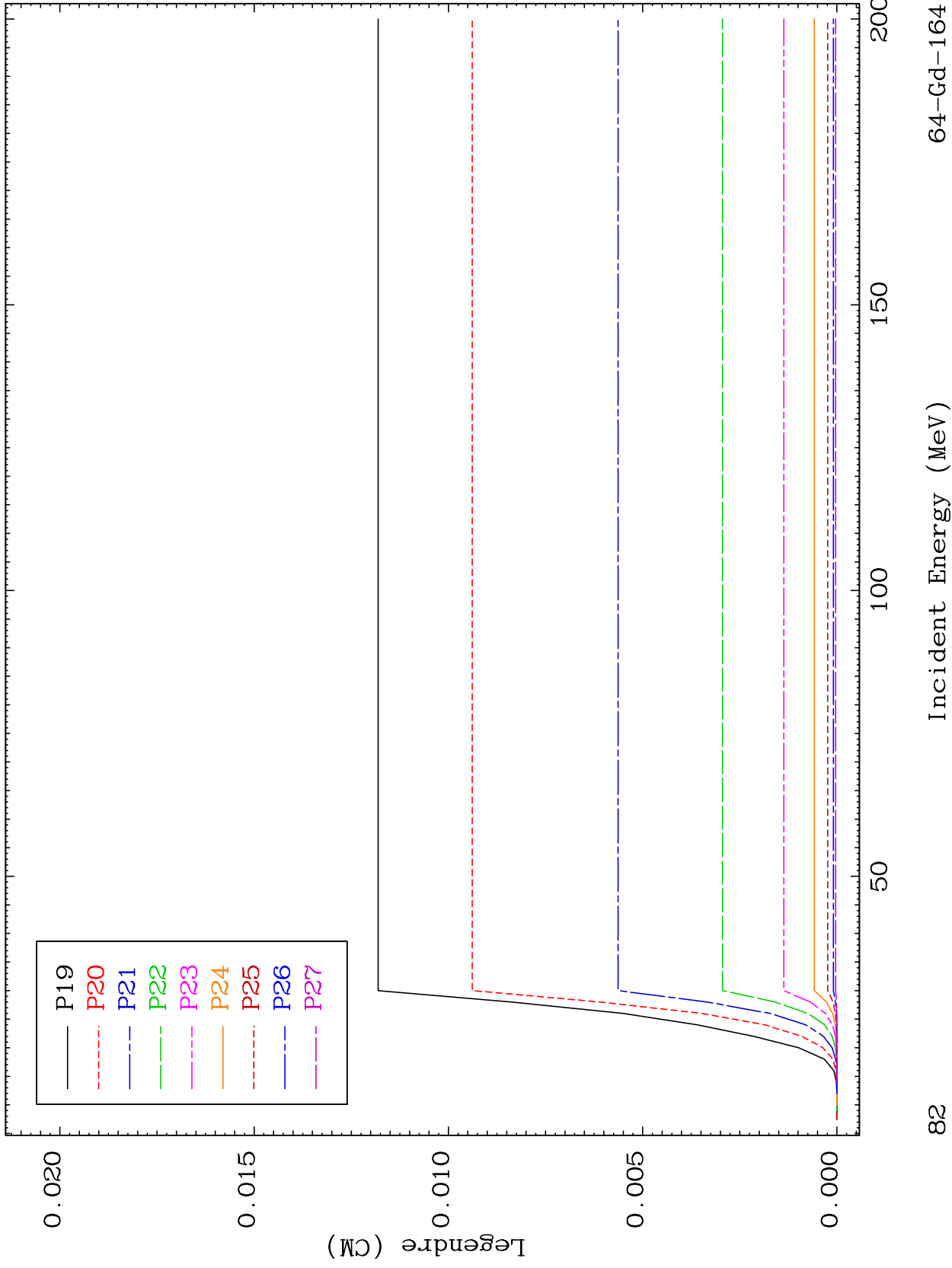
64-Gd-164

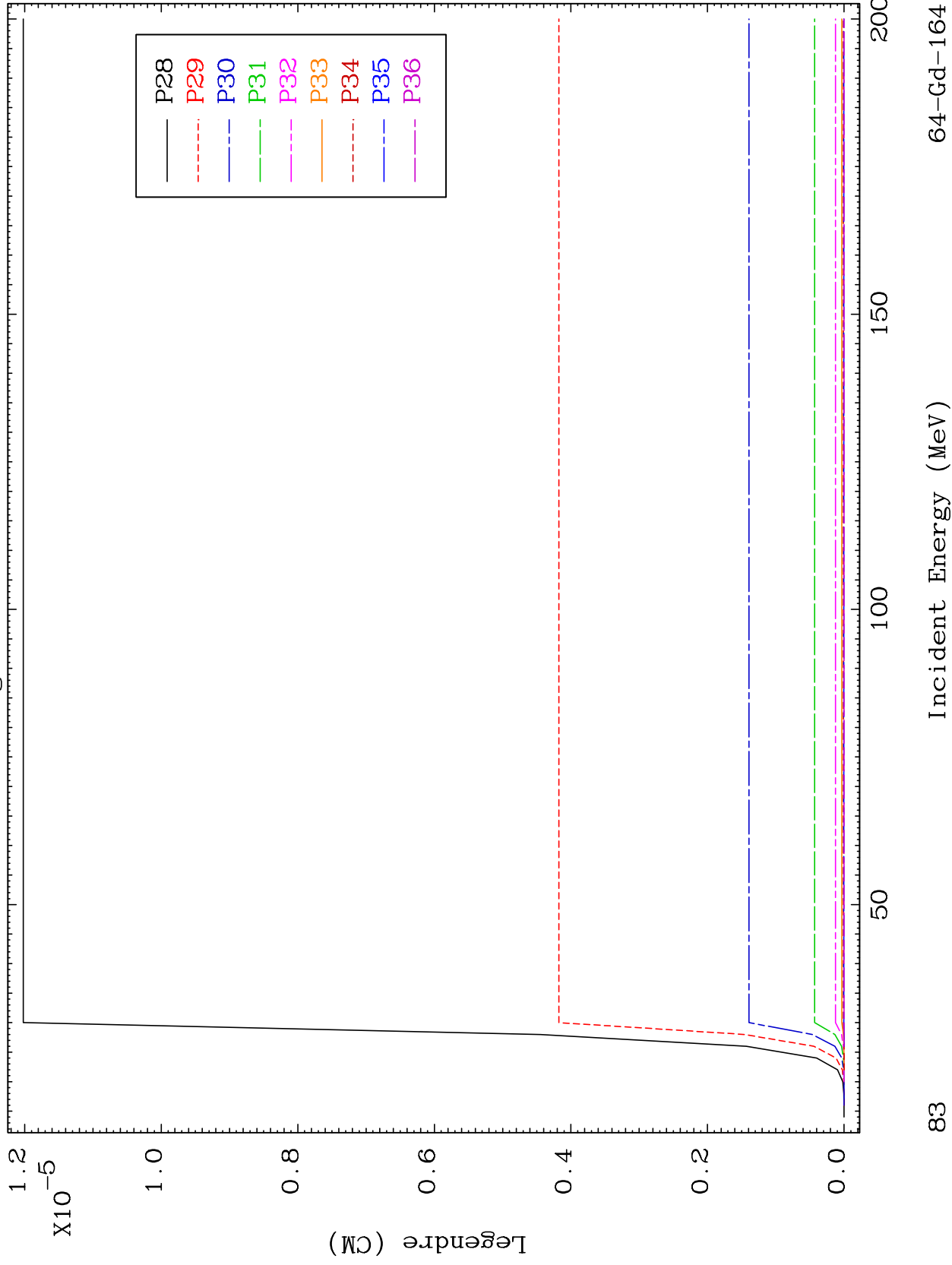


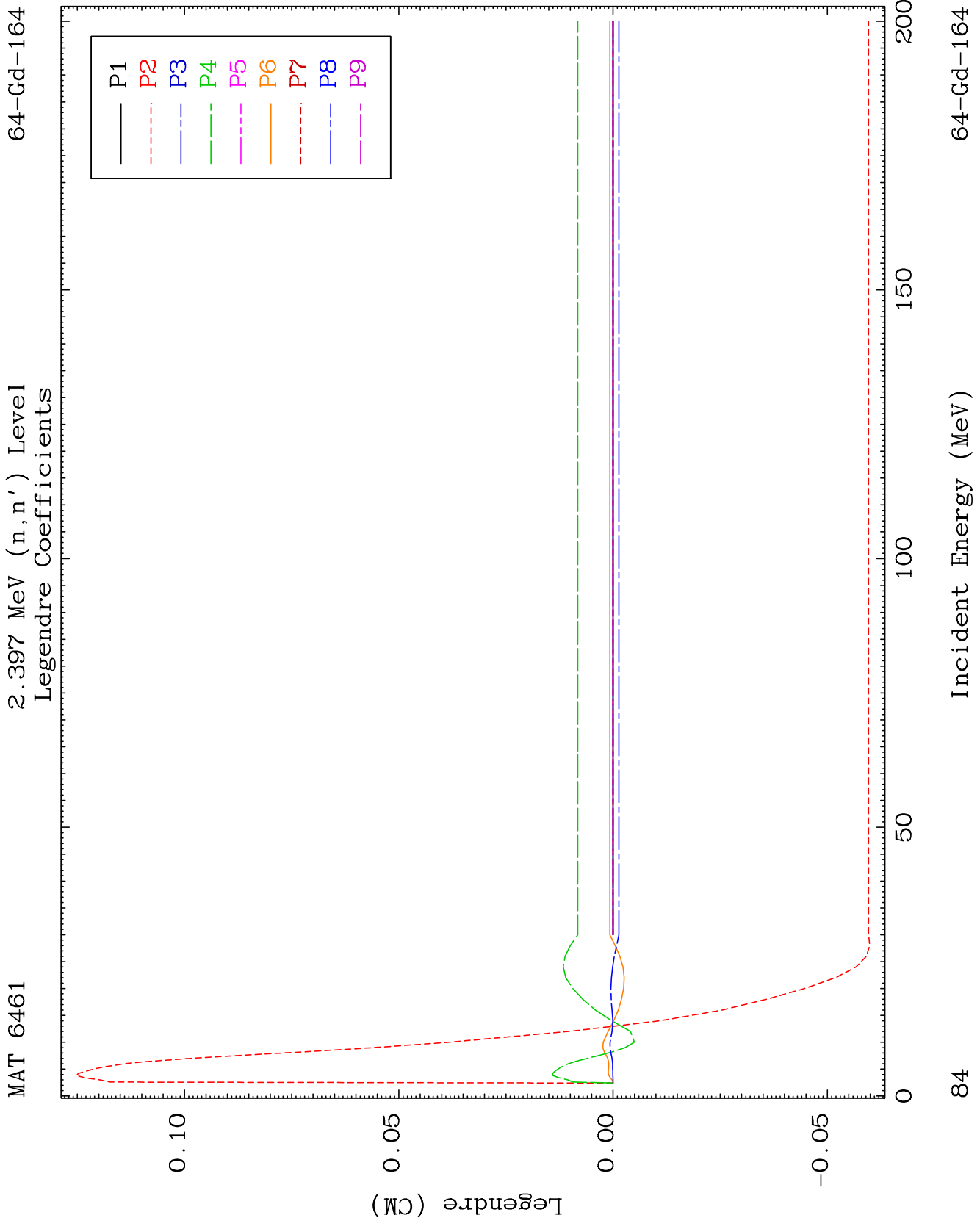
81

Incident Energy (MeV)

64-Gd-164



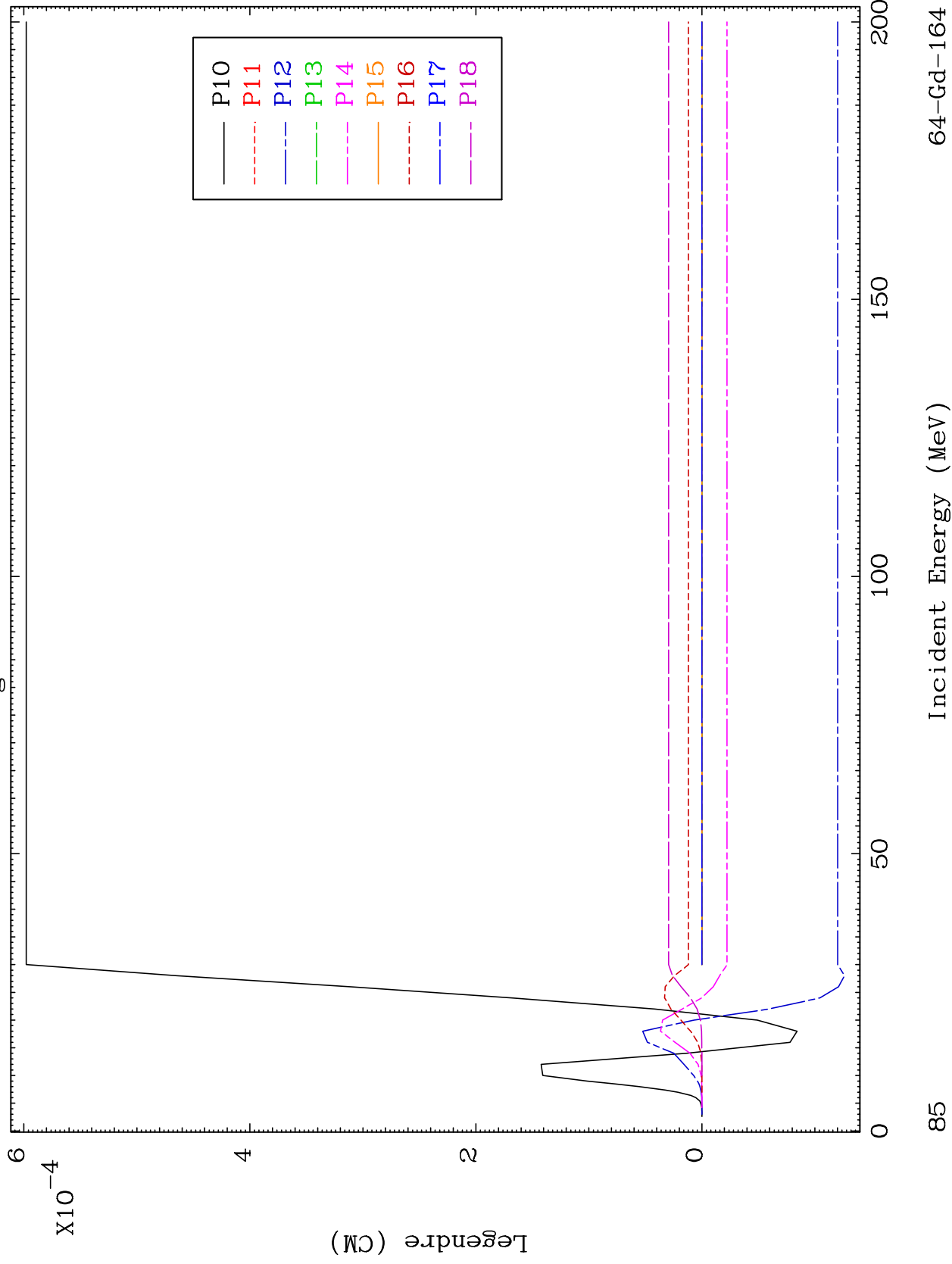




MAT 6461

2.397 MeV (n,n') Level  
Legendre Coefficients

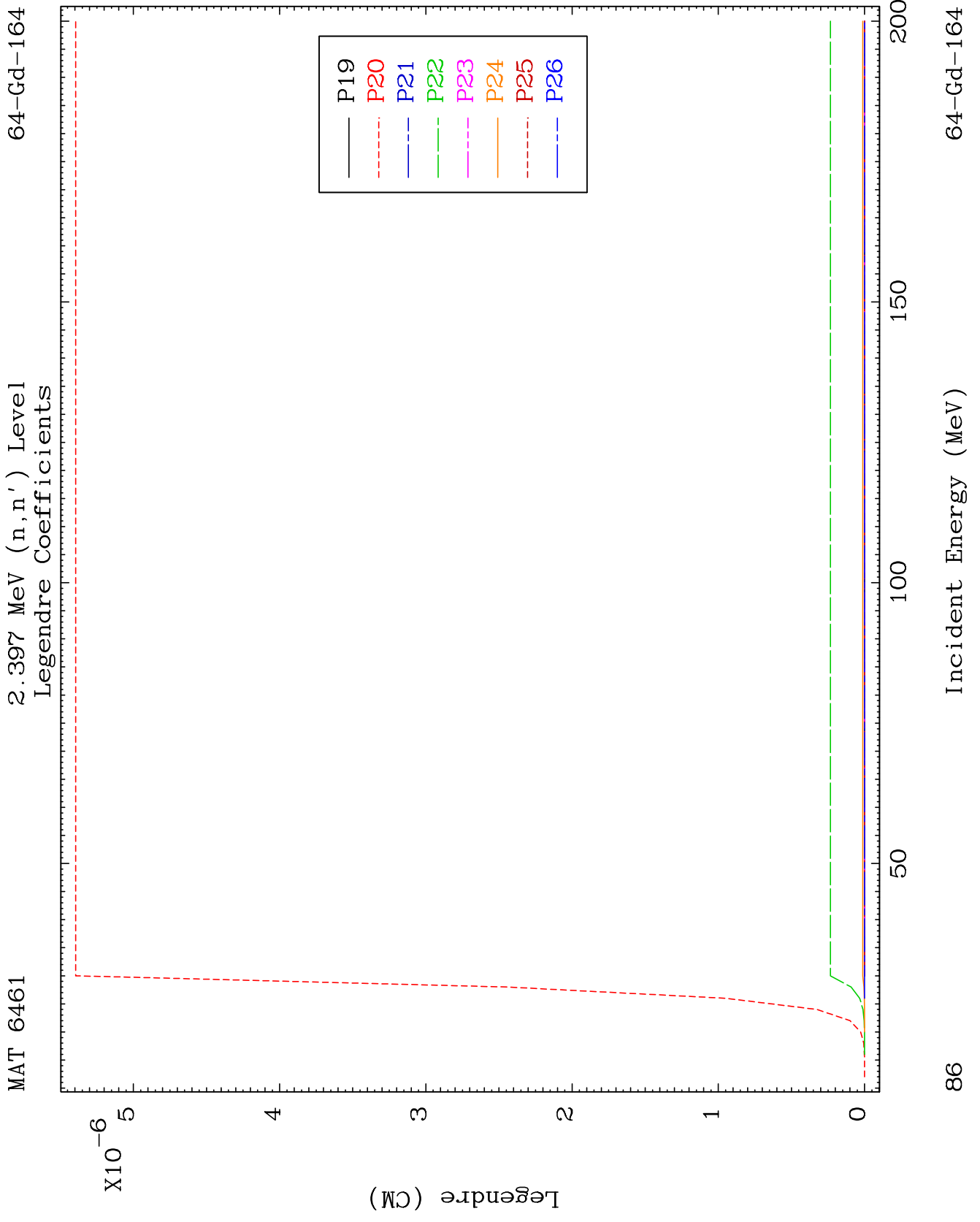
64-Gd-164



85

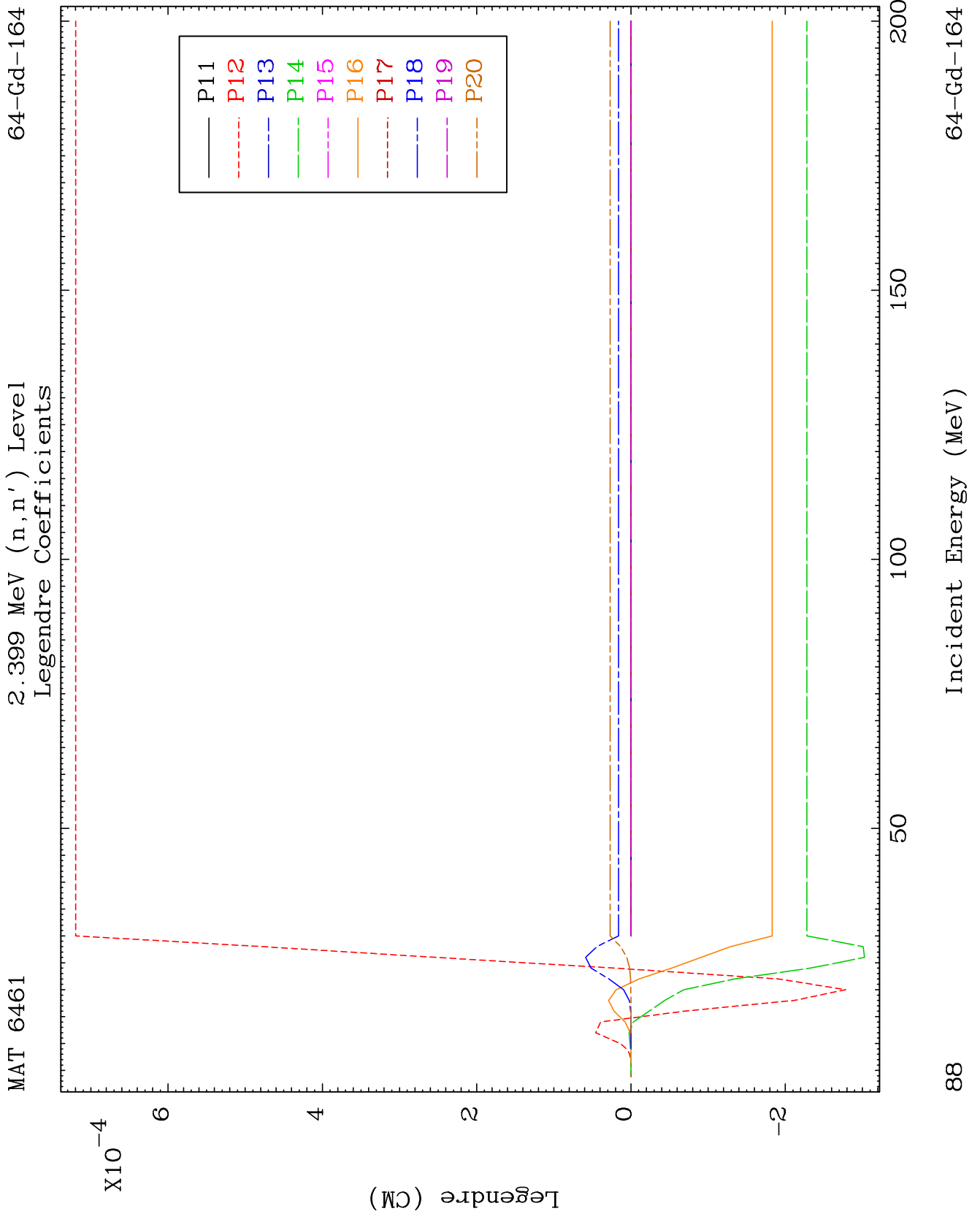
Incident Energy (MeV)

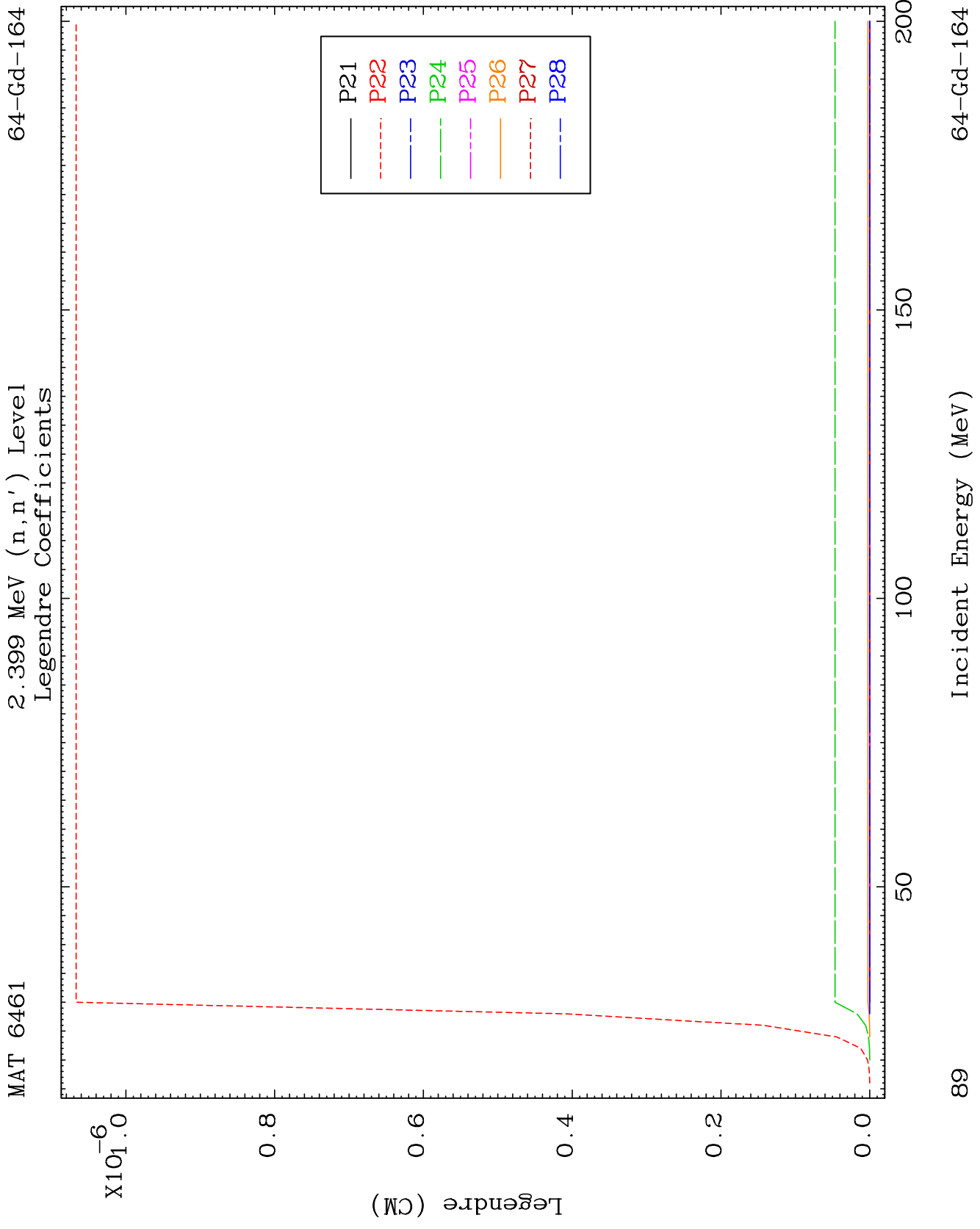
64-Gd-164

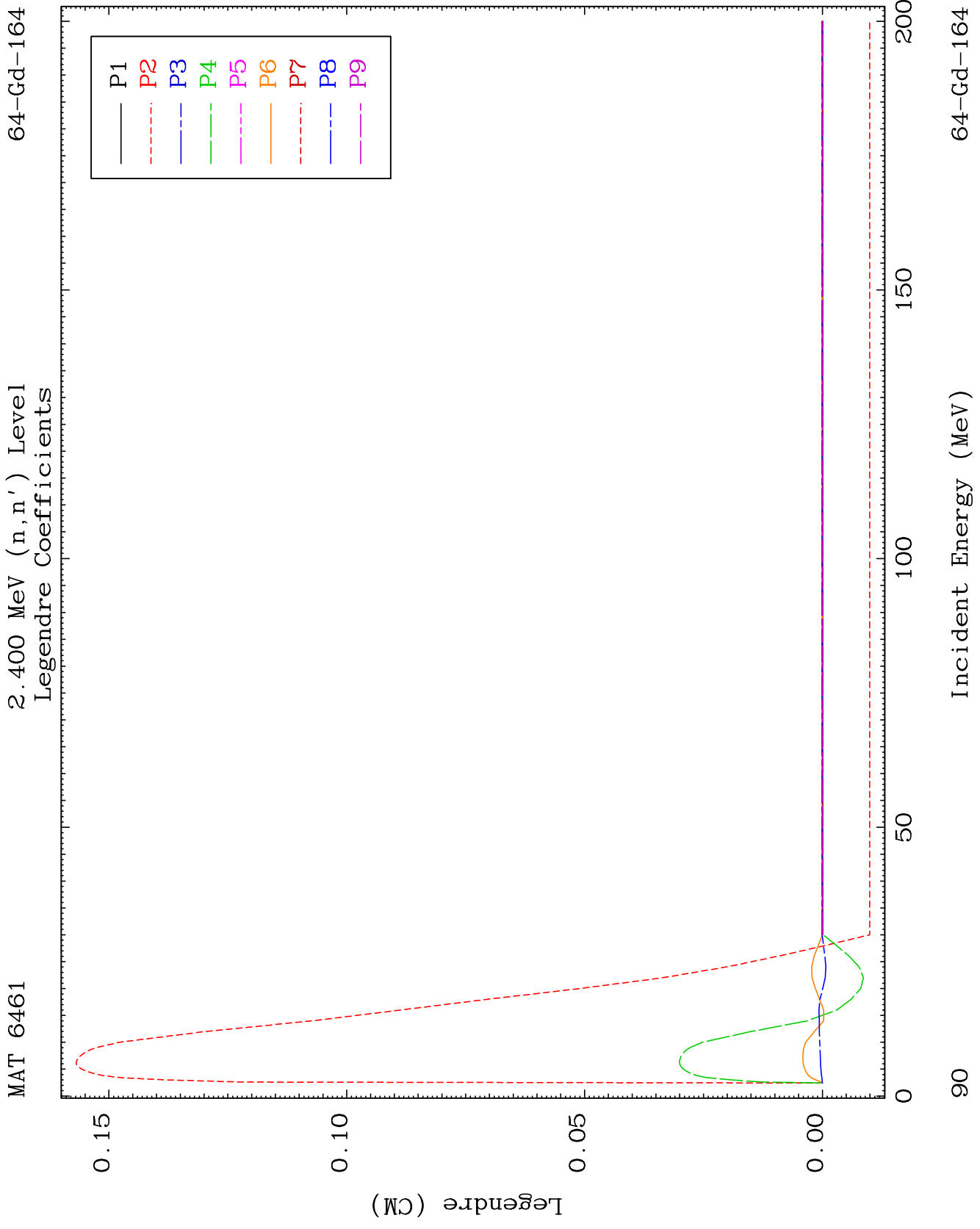












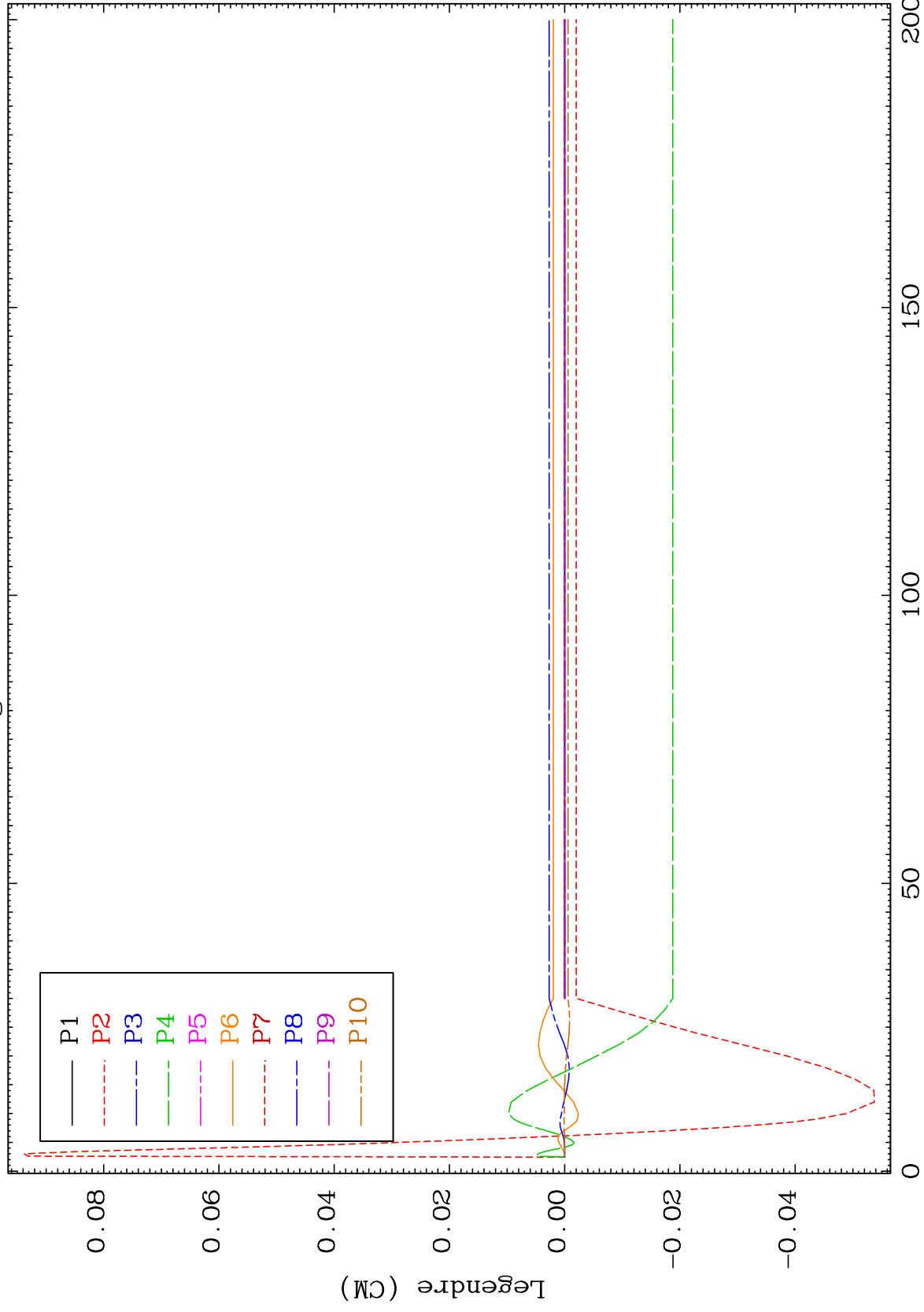




MAT 6461

2.404 MeV (n,n') Level  
Legendre Coefficients

64-Gd-164



93

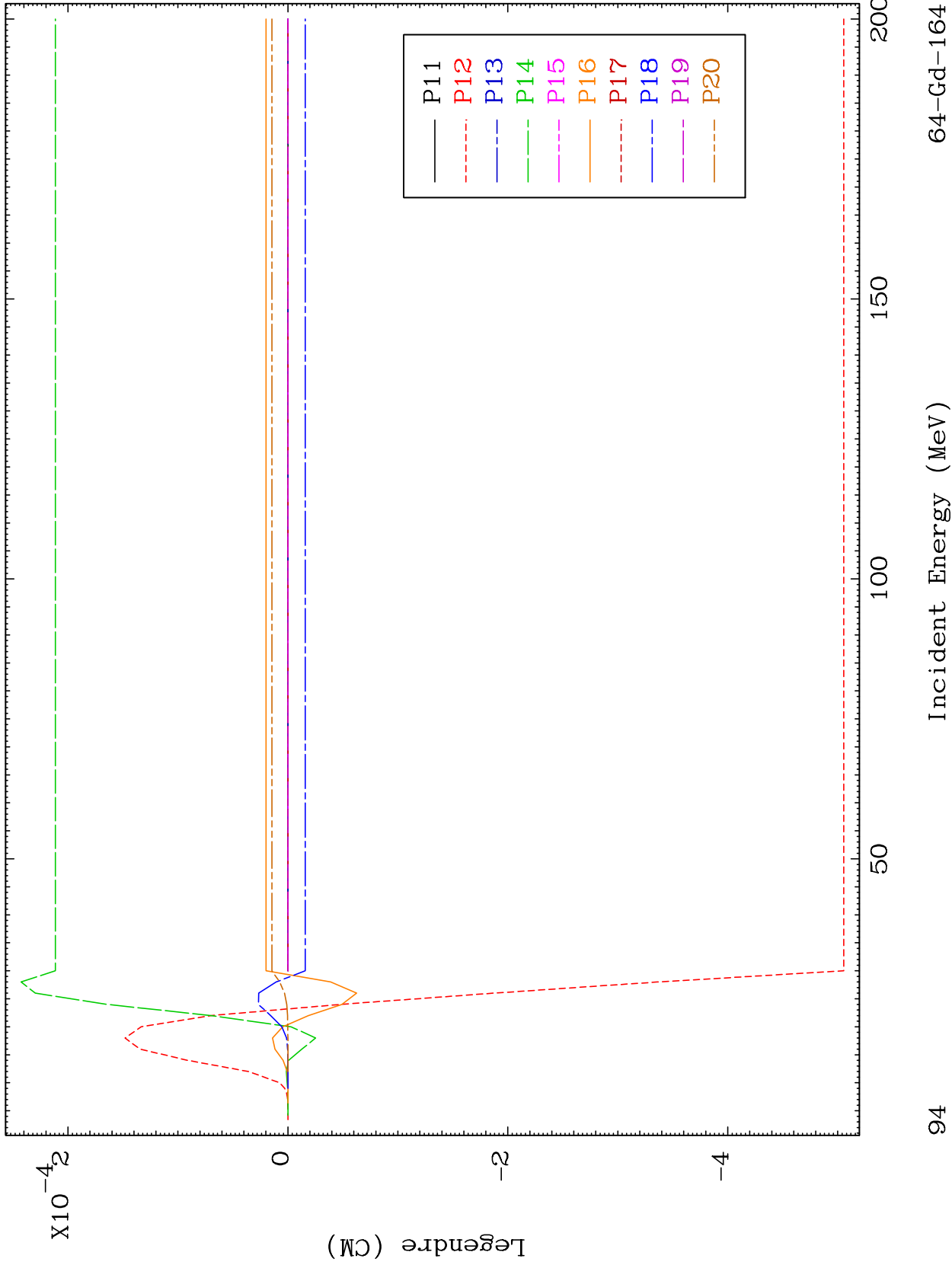
Incident Energy (MeV)

64-Gd-164

MAT 6461

2.404 MeV (n,n') Level  
Legendre Coefficients

64-Gd-164



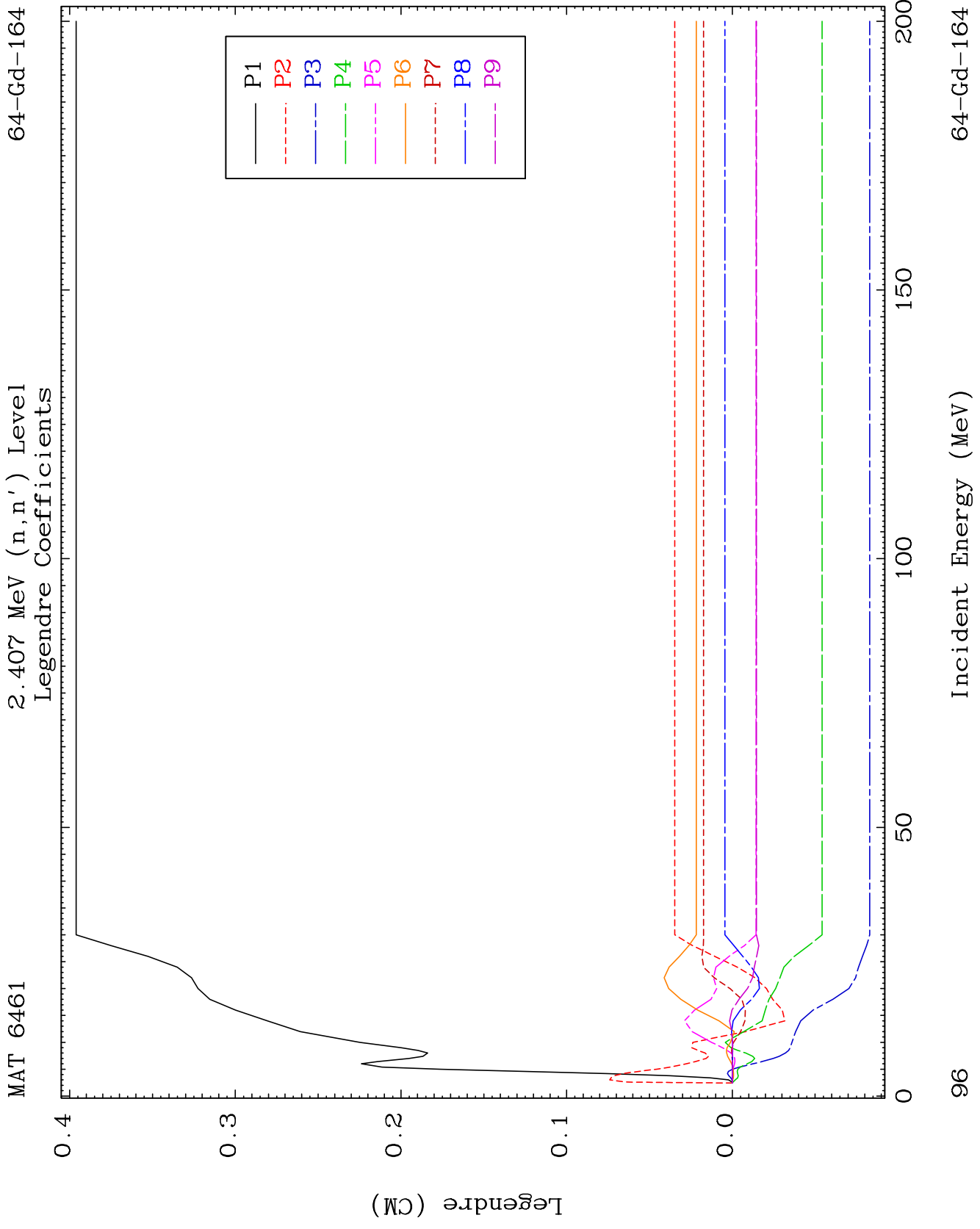
94

Incident Energy (MeV)

64-Gd-164





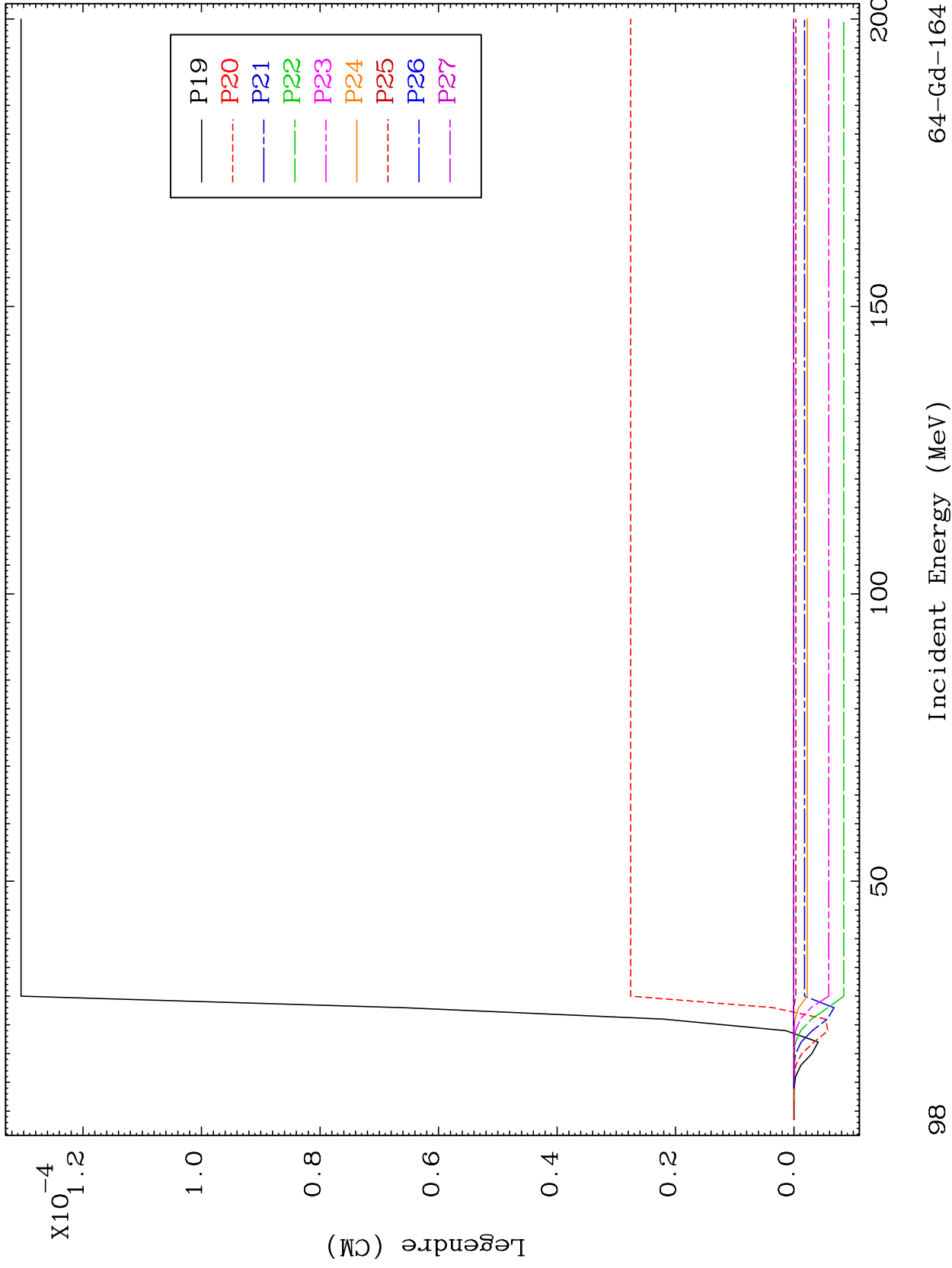




MAT 6461

2.407 MeV (n, n') Level  
Legendre Coefficients

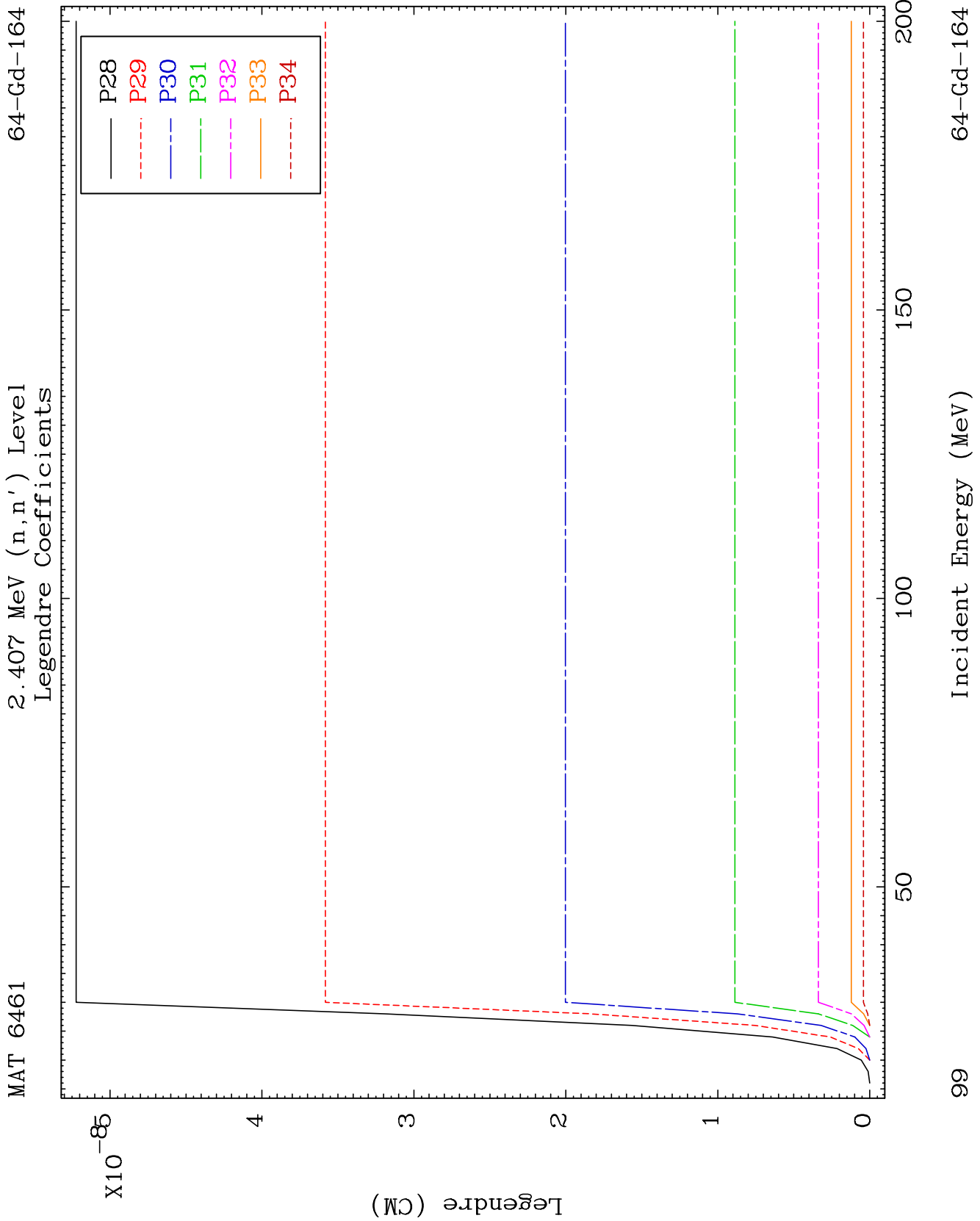
64-Gd-164



98

Incident Energy (MeV)

64-Gd-164

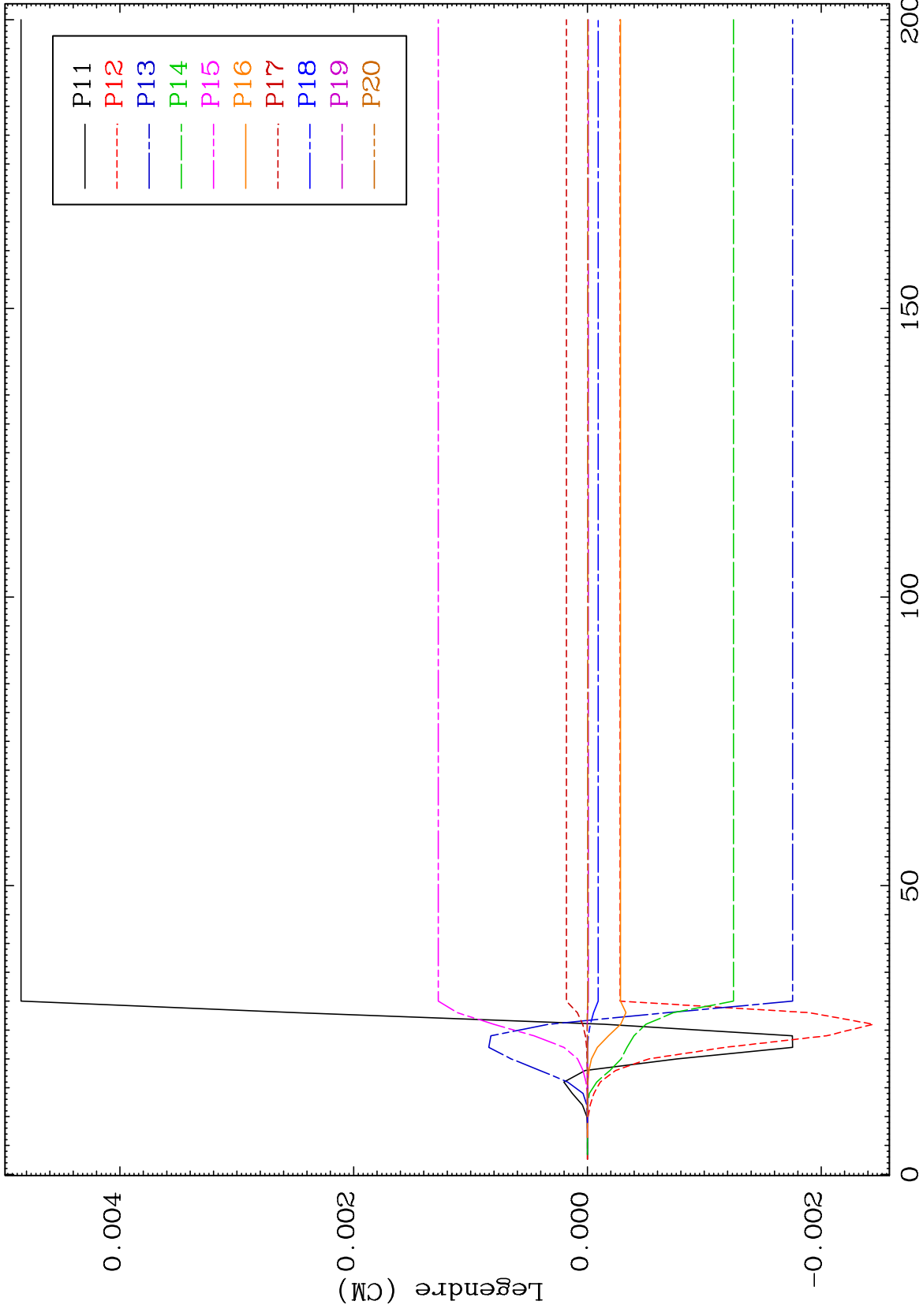




MAT 6461

2.409 MeV (n,n') Level  
Legendre Coefficients

64-Gd-164



101

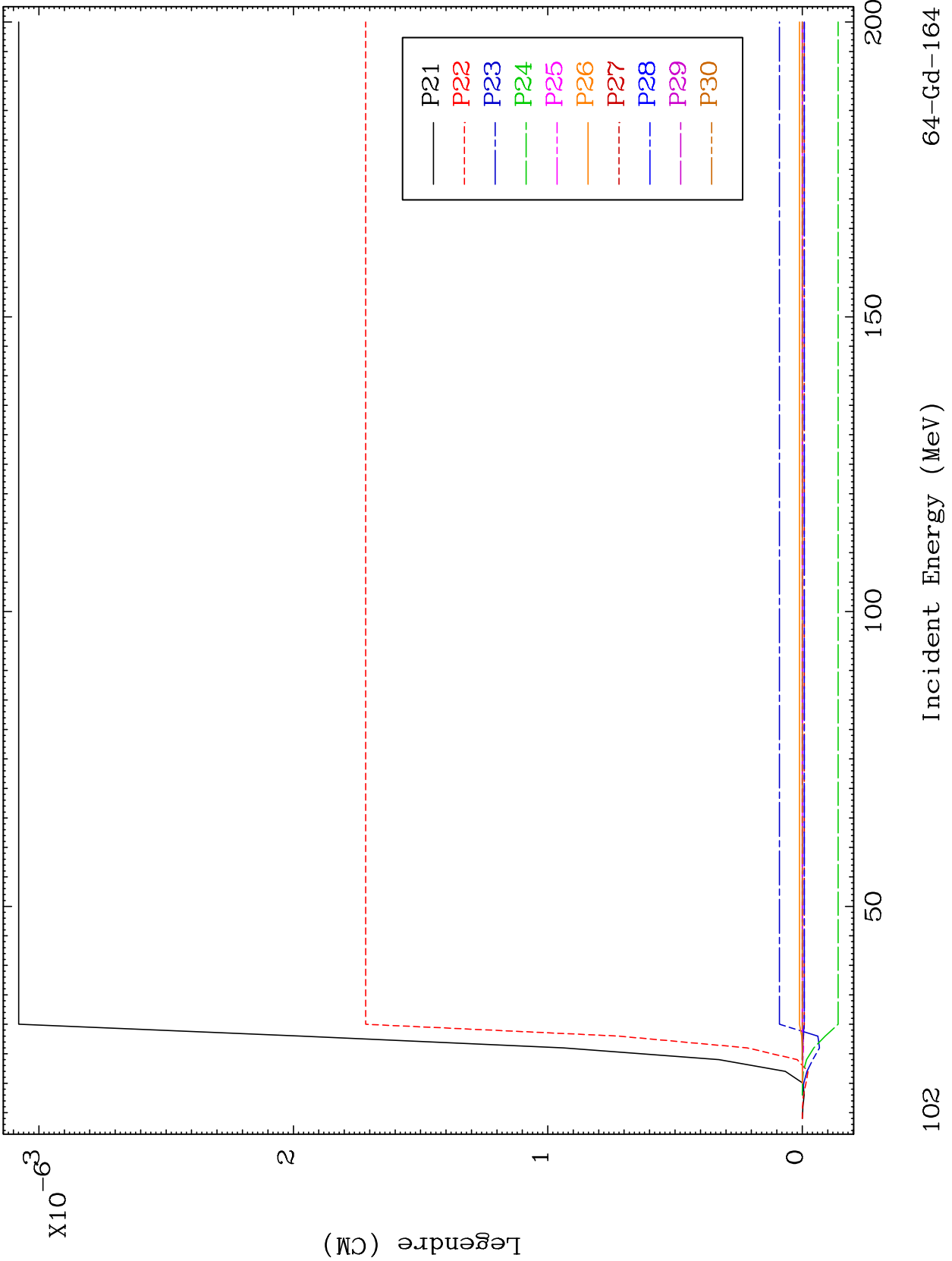
Incident Energy (MeV)

64-Gd-164

MAT 6461

2.409 MeV (n,n') Level  
Legendre Coefficients

64-Gd-164



64-Gd-164

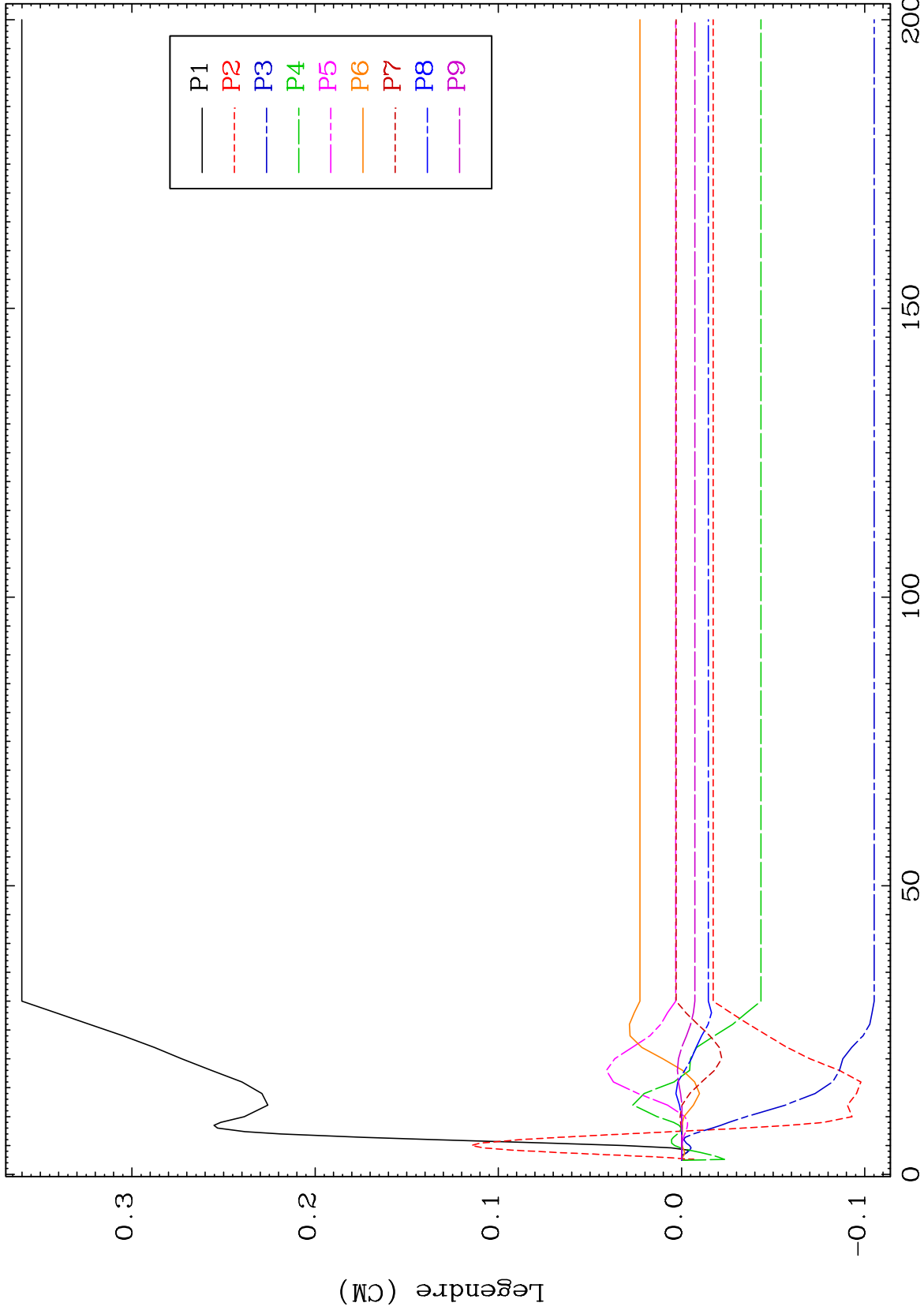
Incident Energy (MeV)

102

MAT 6461

2.410 MeV (n,n') Level  
Legendre Coefficients

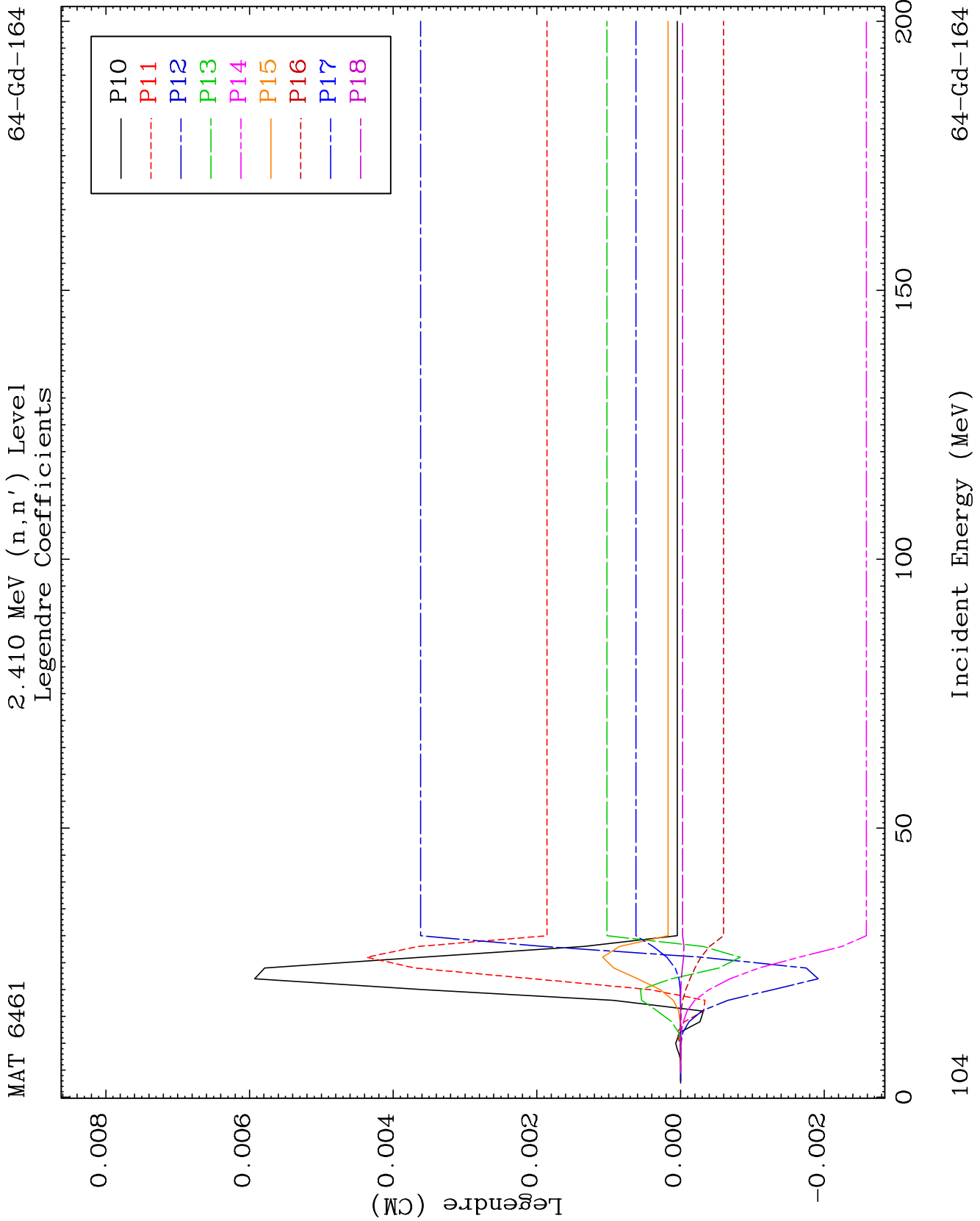
64-Gd-164



103

64-Gd-164

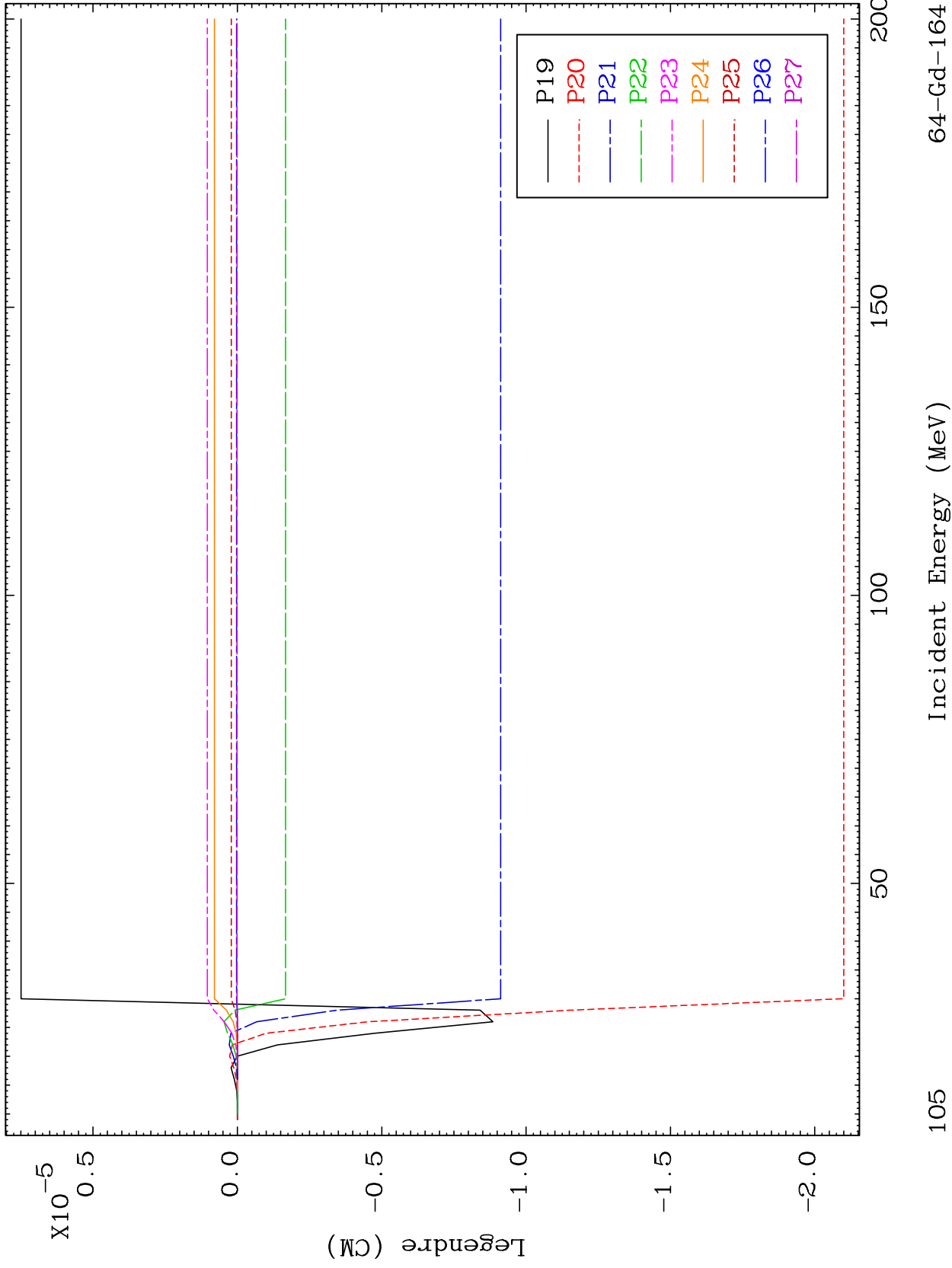




MAT 6461

2.410 MeV (n,n') Level  
Legendre Coefficients

64-Gd-164



105

Incident Energy (MeV)

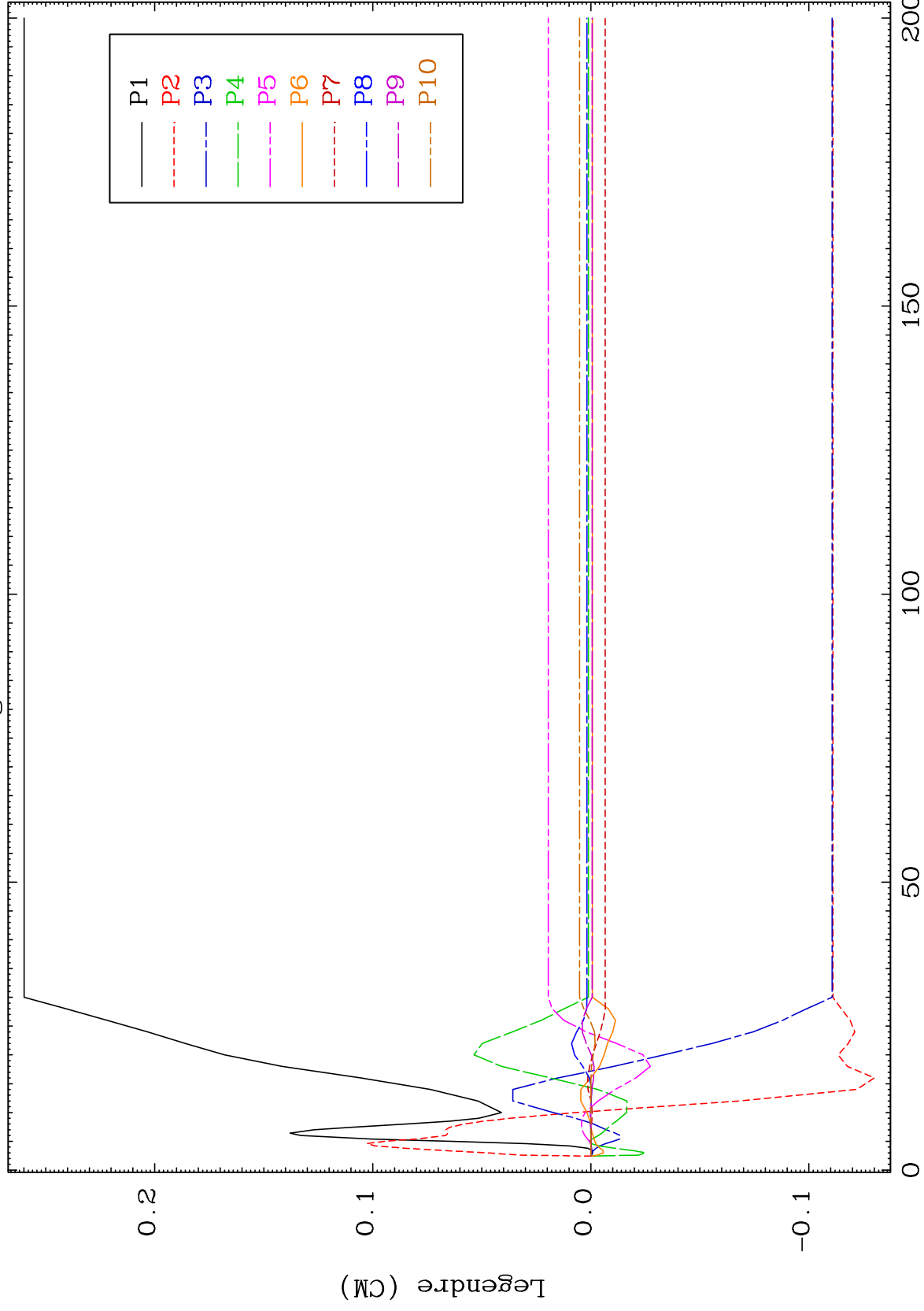
64-Gd-164



MAT 6461

2.412 MeV (n,n') Level  
Legendre Coefficients

64-Gd-164



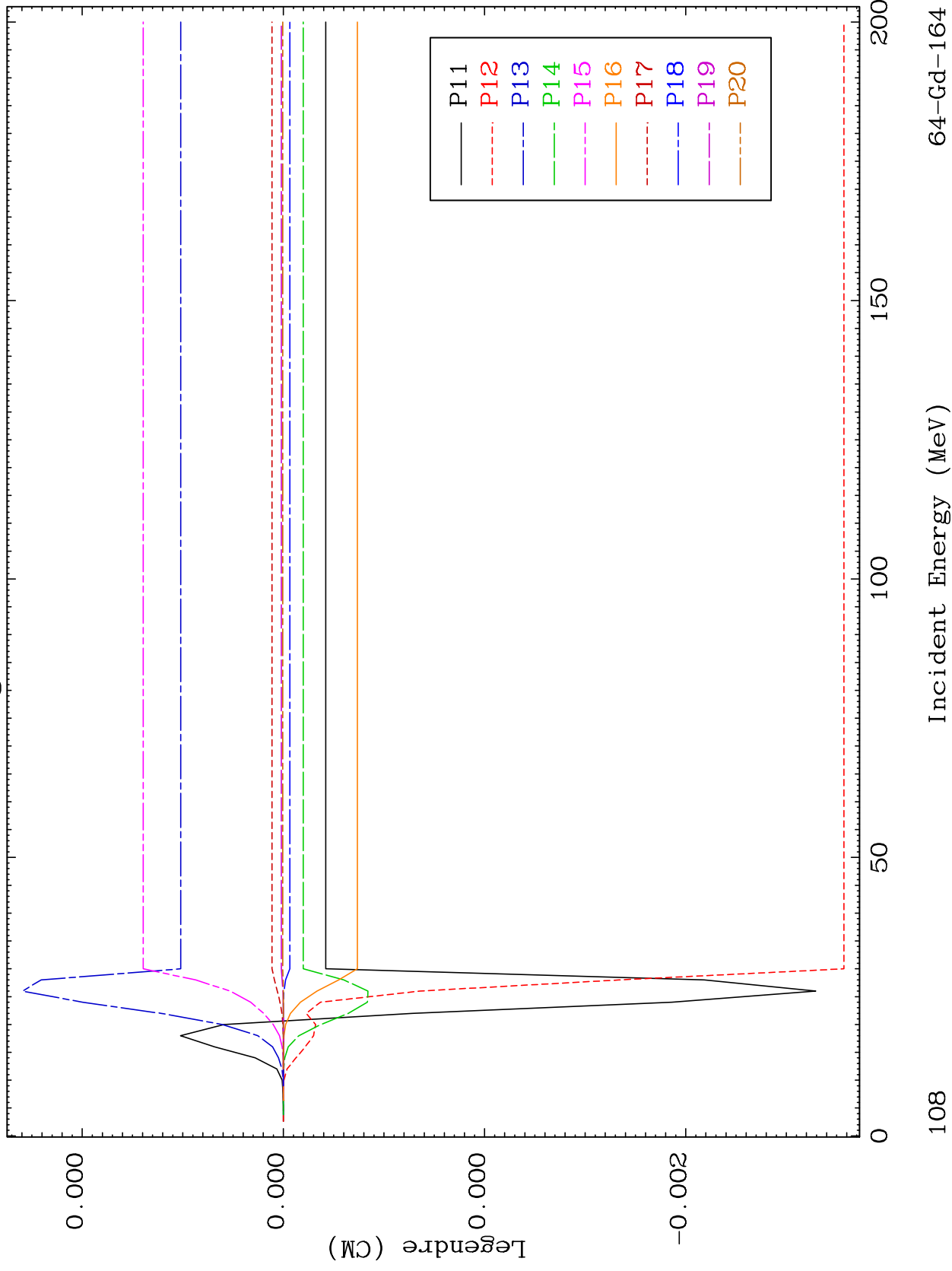
107

64-Gd-164

MAT 6461

2.412 MeV (n,n') Level  
Legendre Coefficients

64-Gd-164



64-Gd-164

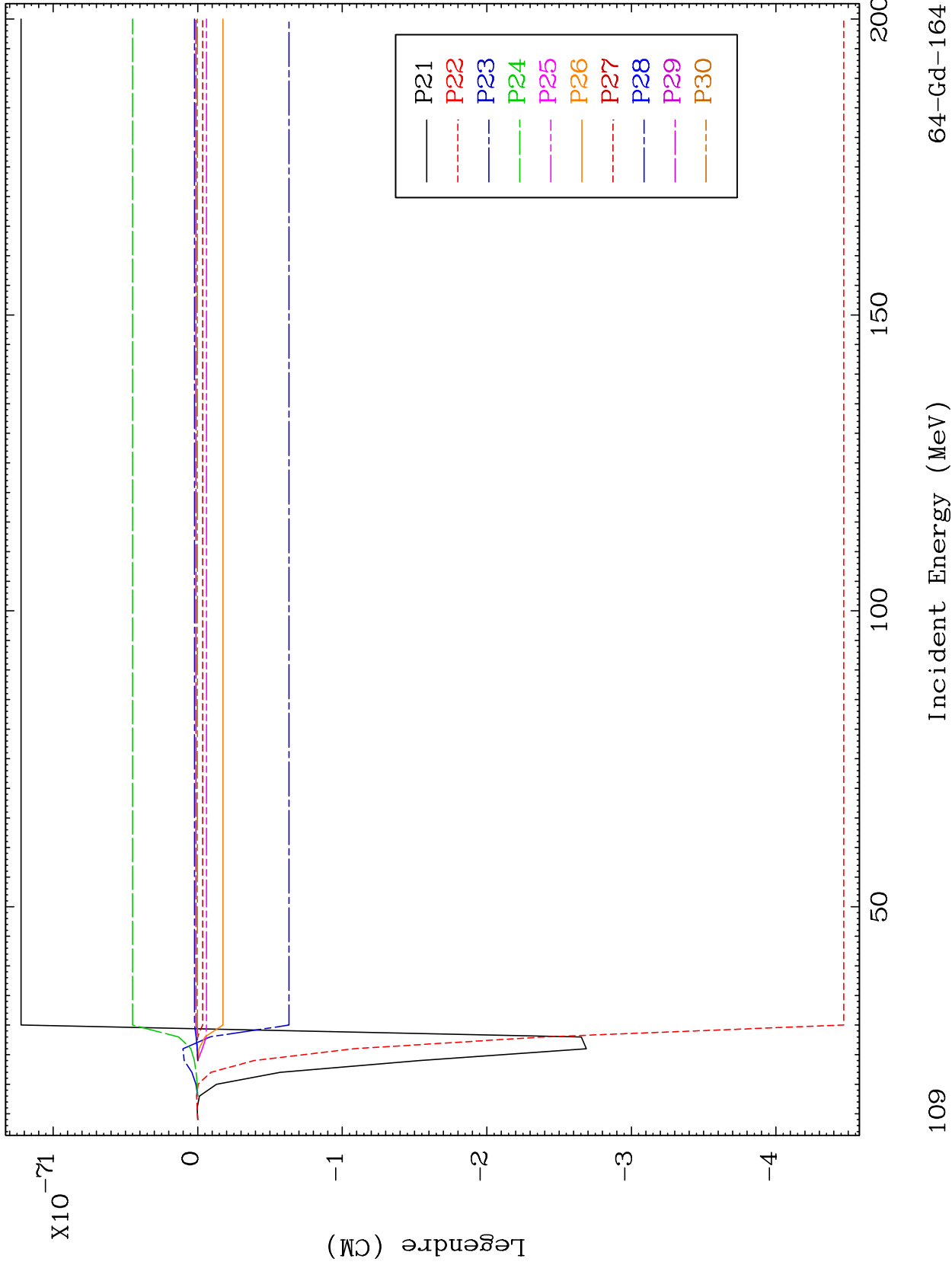
Incident Energy (MeV)

108

MAT 6461

2.412 MeV (n,n') Level  
Legendre Coefficients

64-Gd-164



109

Incident Energy (MeV)

64-Gd-164

