

Program EVALPLOT
(Version 2015-2)

by

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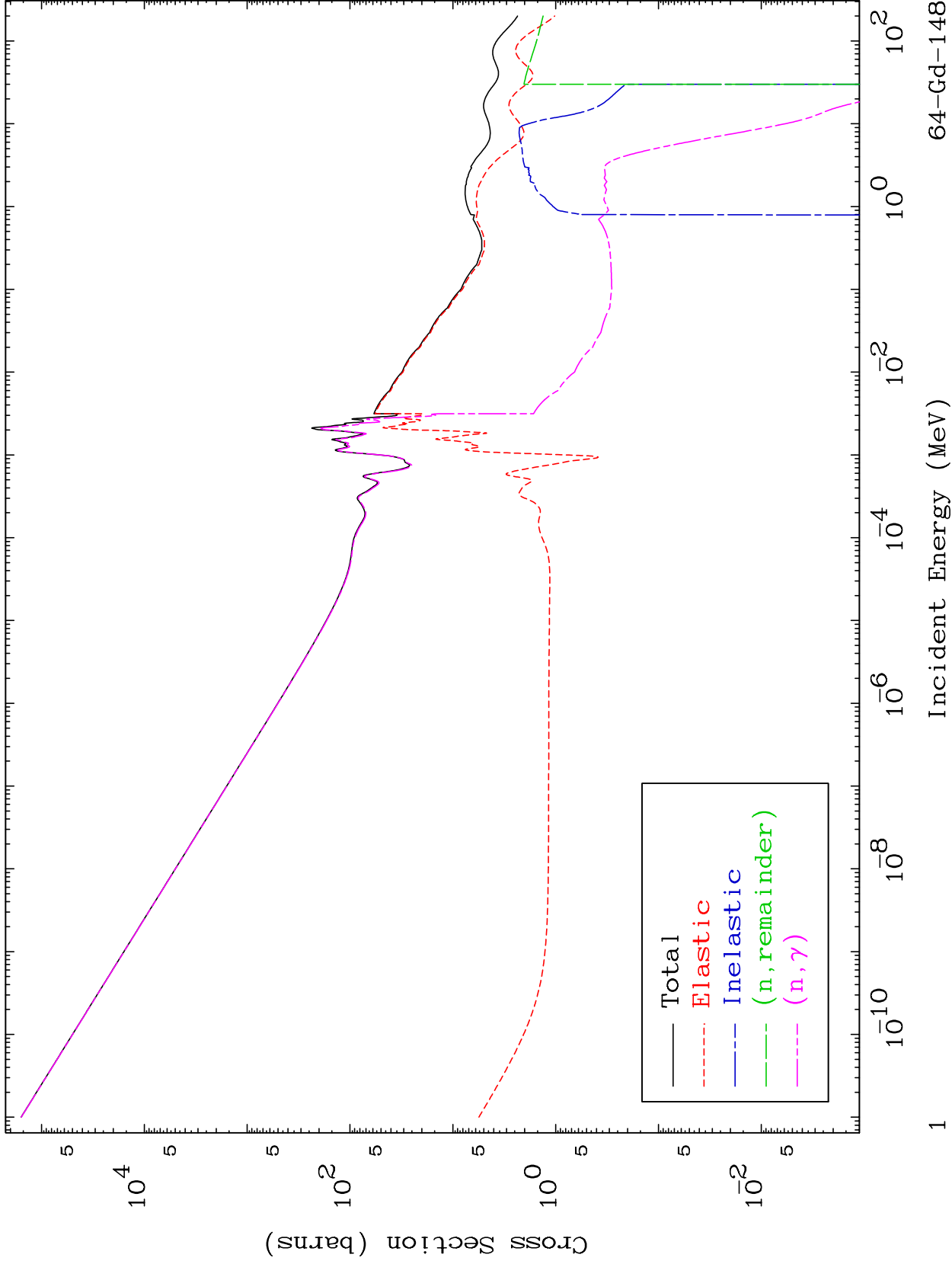
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 6413

Major
293 Kelvin Cross Sections

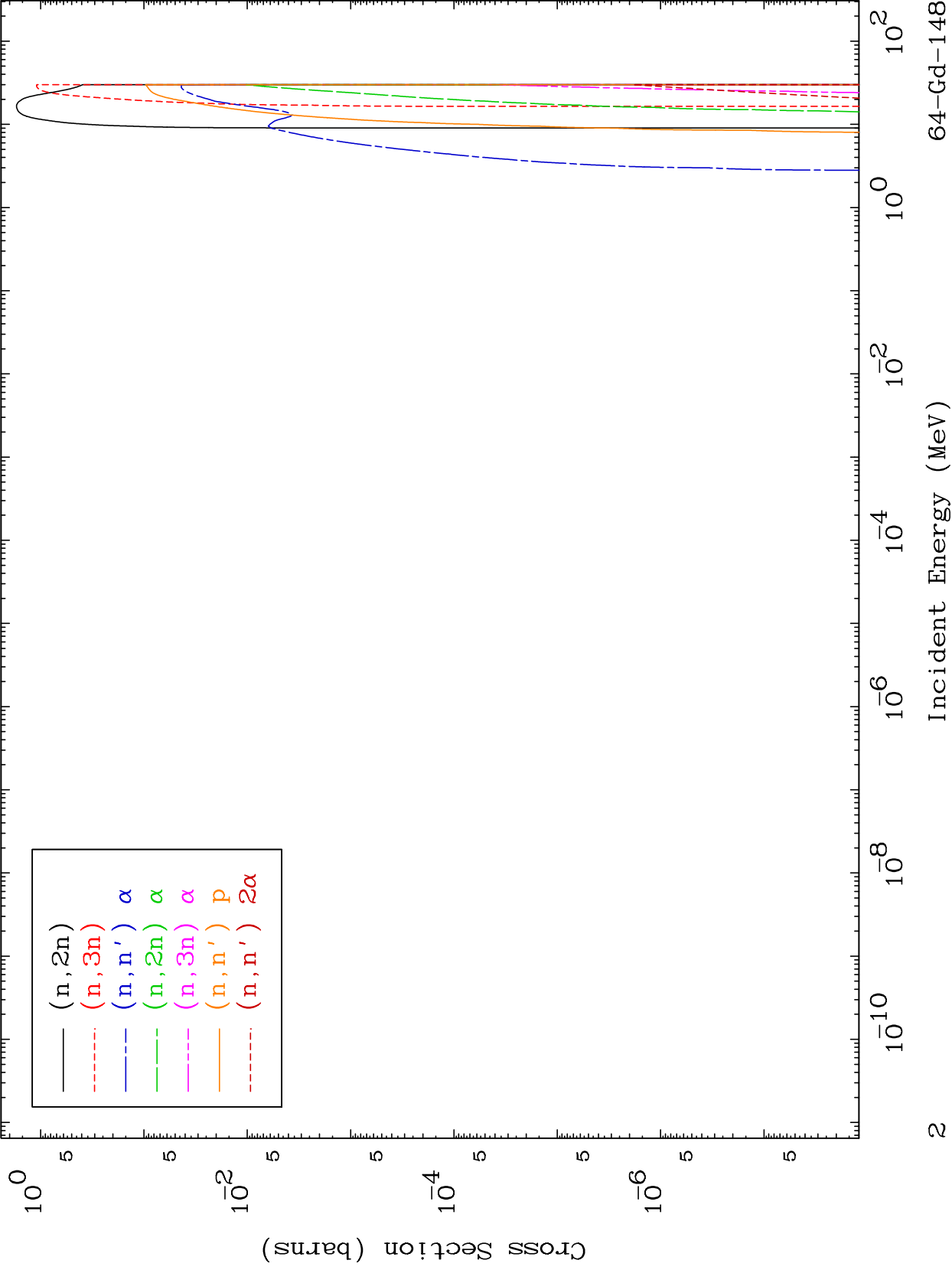
64-Gd-148



MAT 6413

Neutron Production
293 Kelvin Cross Sections

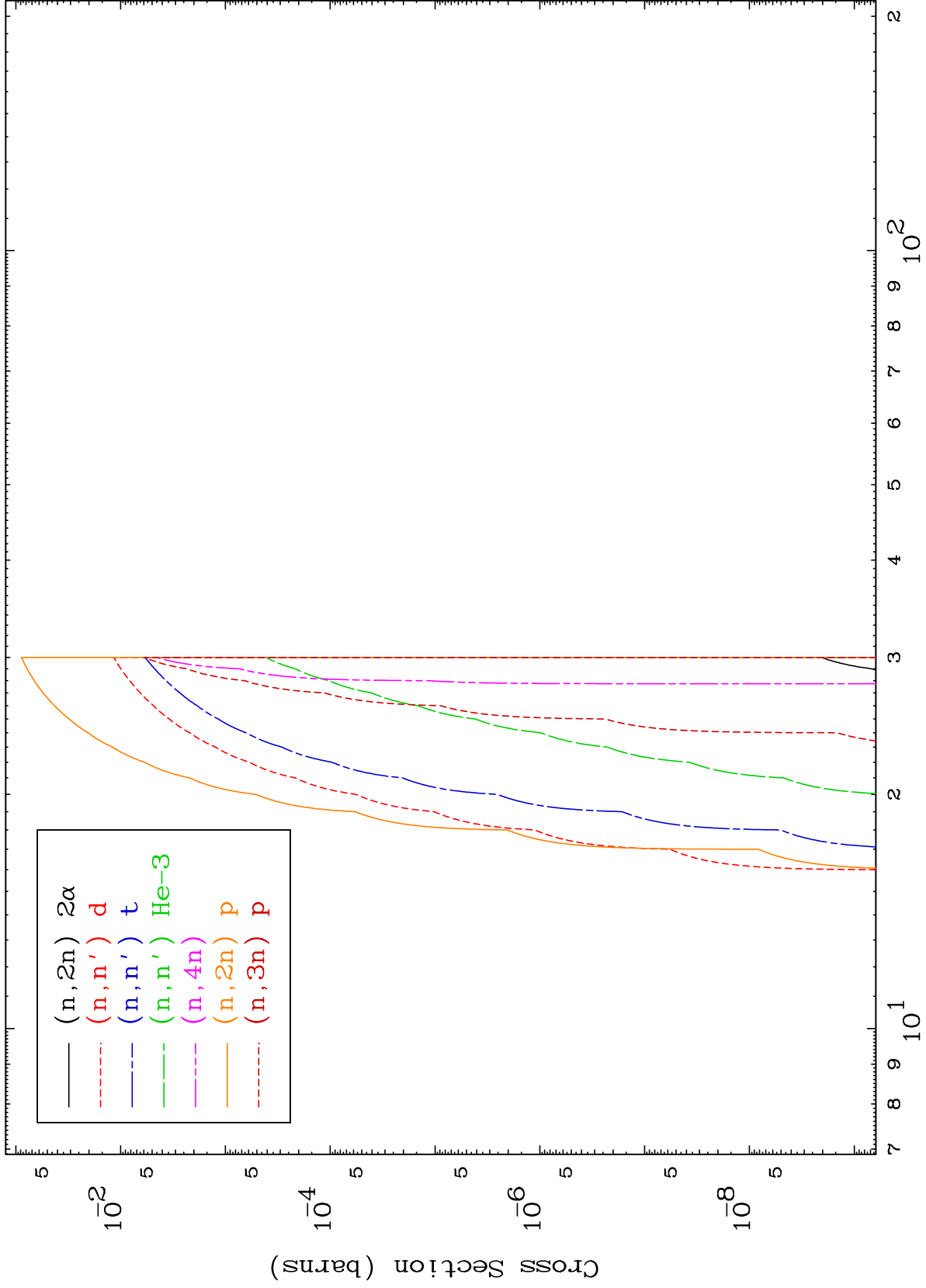
64-Gd-148



MAT 6413

Neutron Production
293 Kelvin Cross Sections

64-Gd-148



3

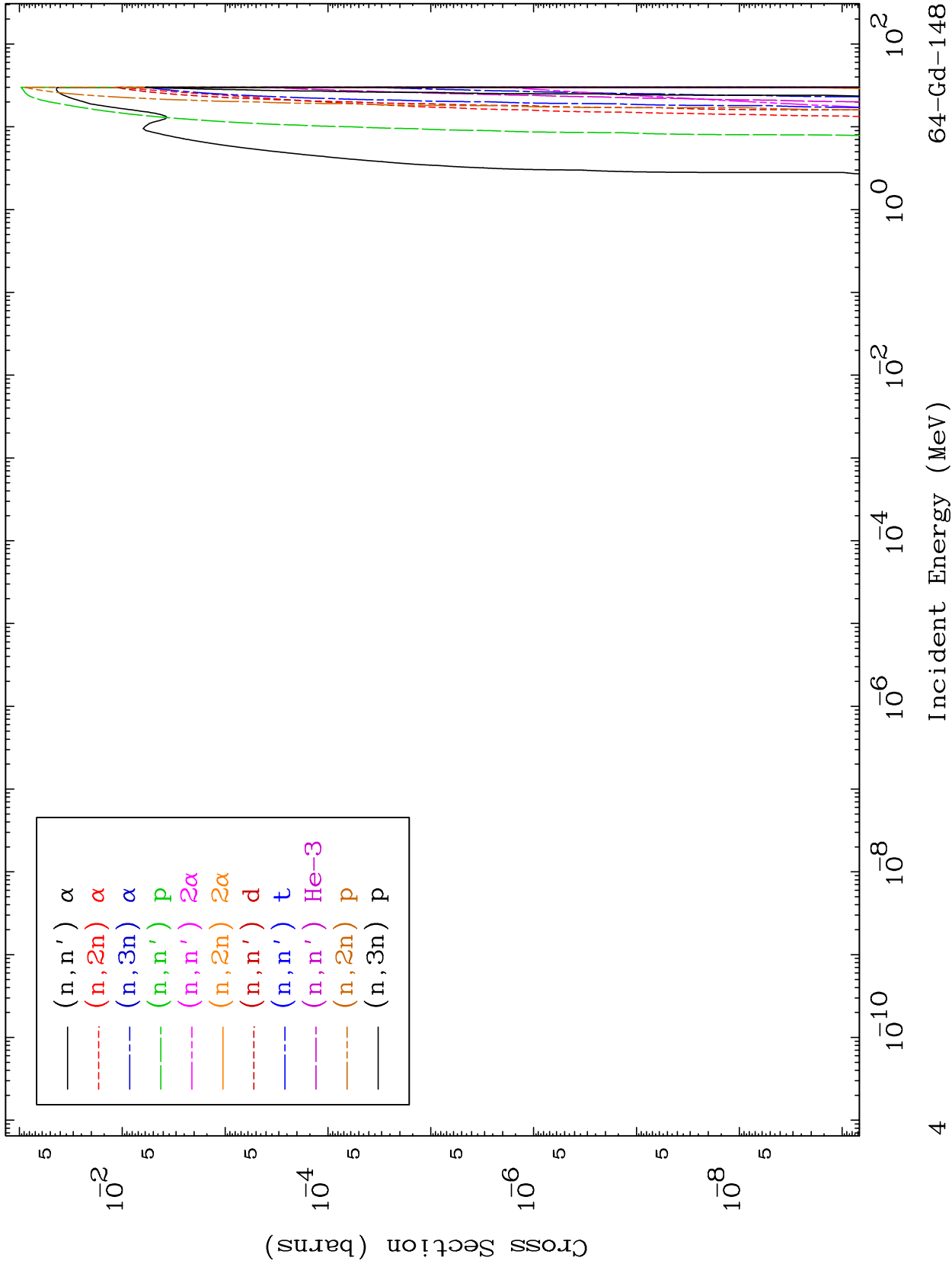
Incident Energy (MeV)

64-Gd-148

MAT 6413

Charged Particle
293 Kelvin Cross Sections

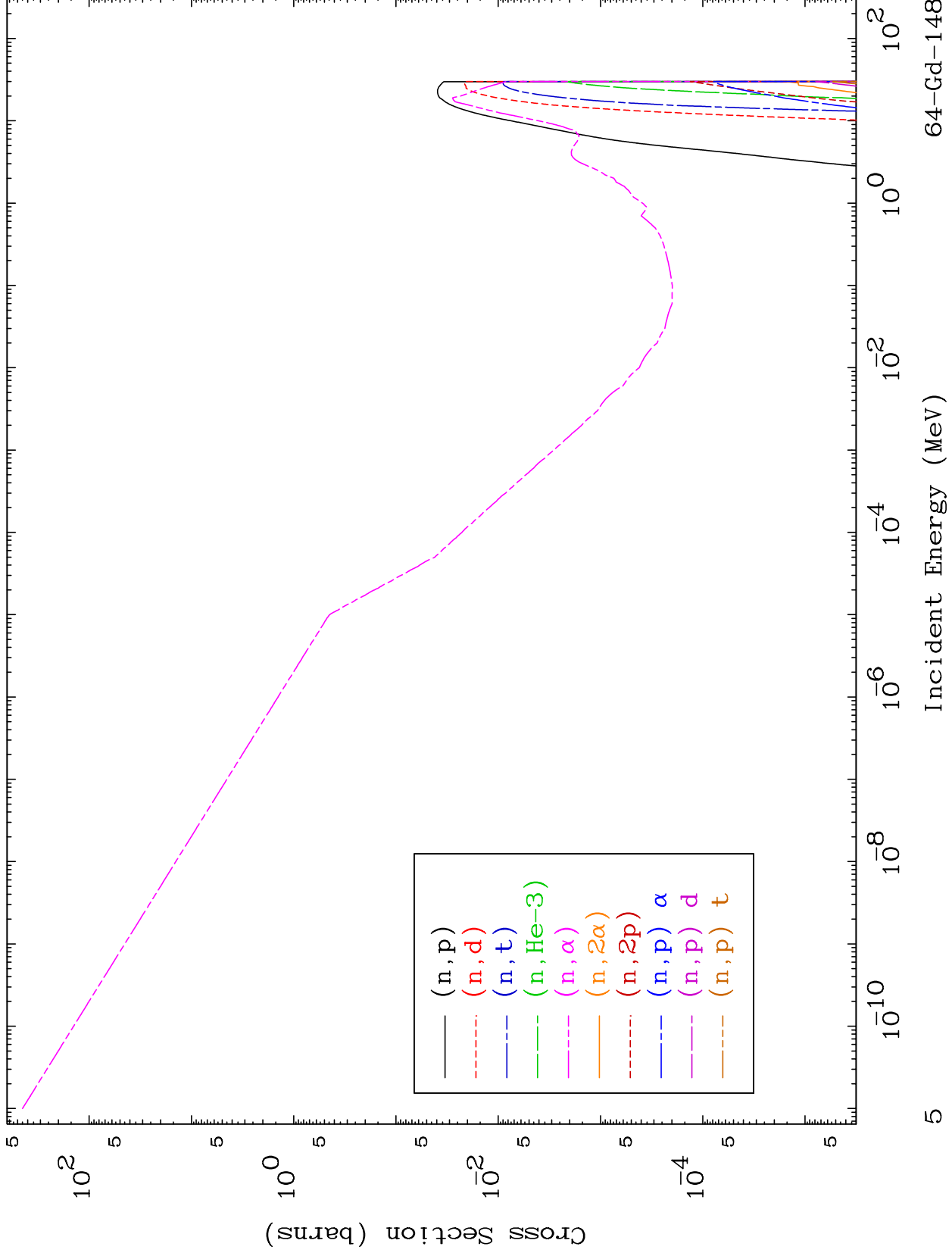
64-Gd-148



MAT 6413

Charged Particle
293 Kelvin Cross Sections

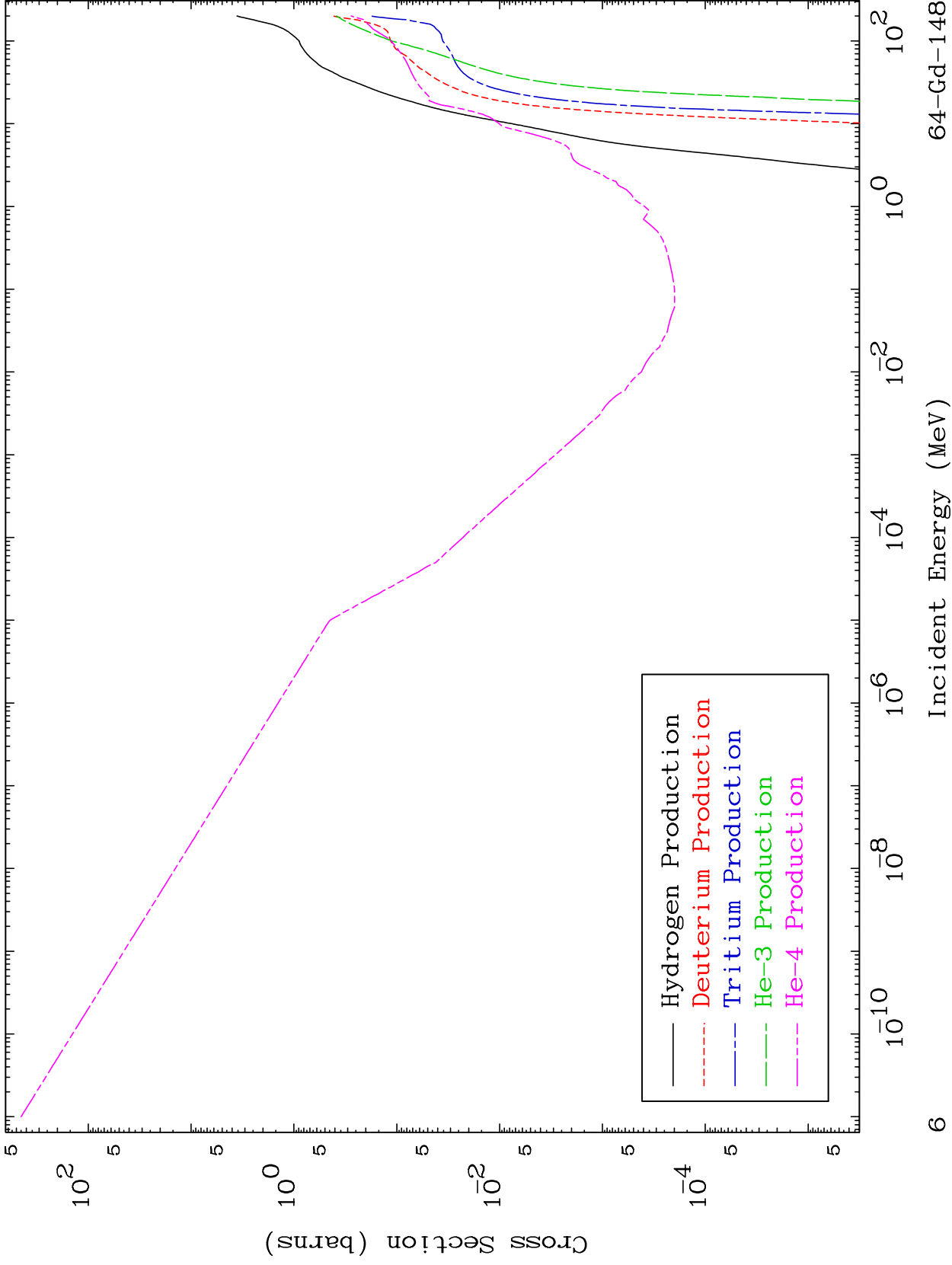
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MAT 6413

Particle Production
293 Kelvin Cross Sections

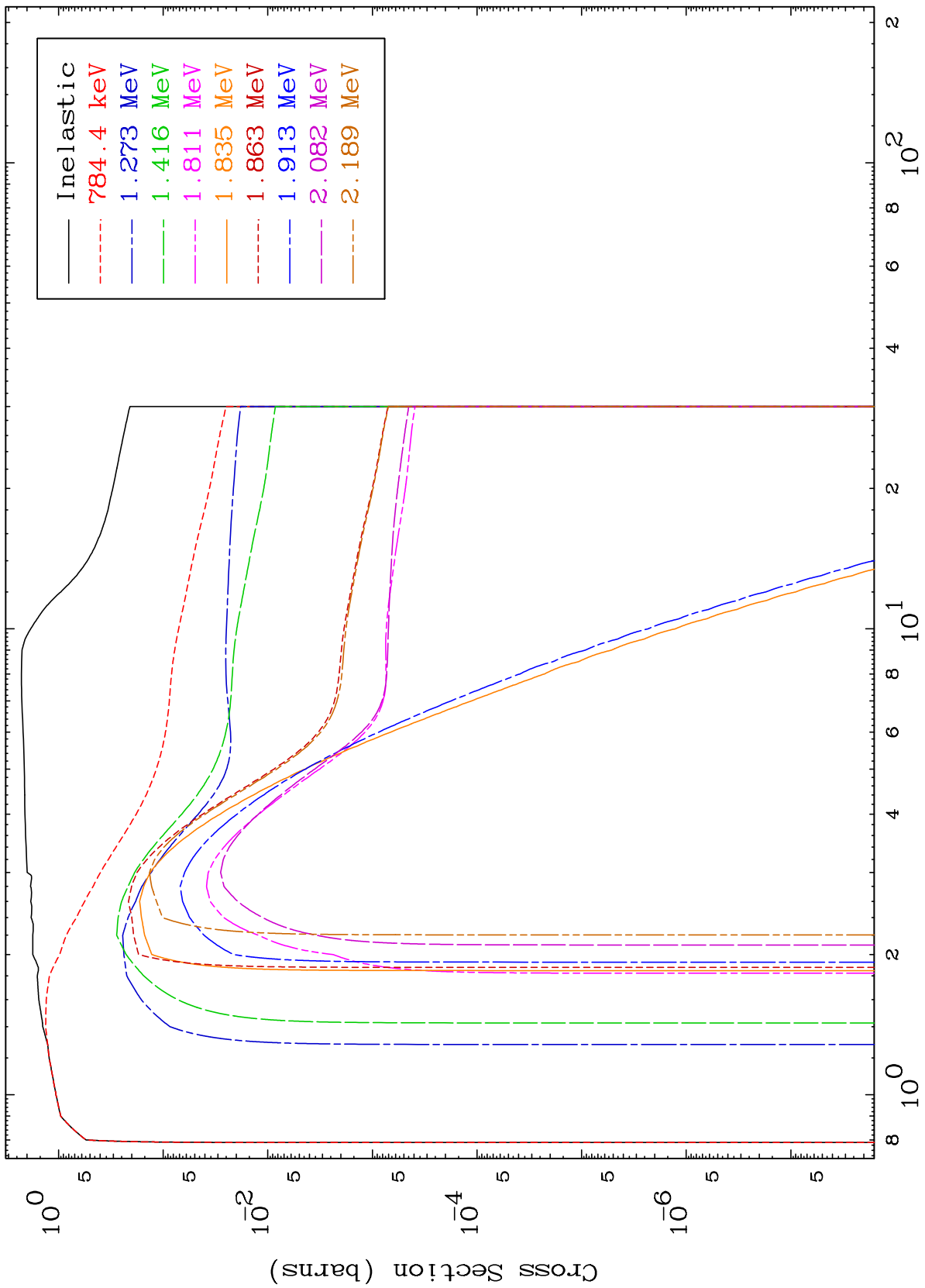
64-Gd-148



MAT 6413

(n,n') Level
293 Kelvin Cross Sections

64-Gd-148



7

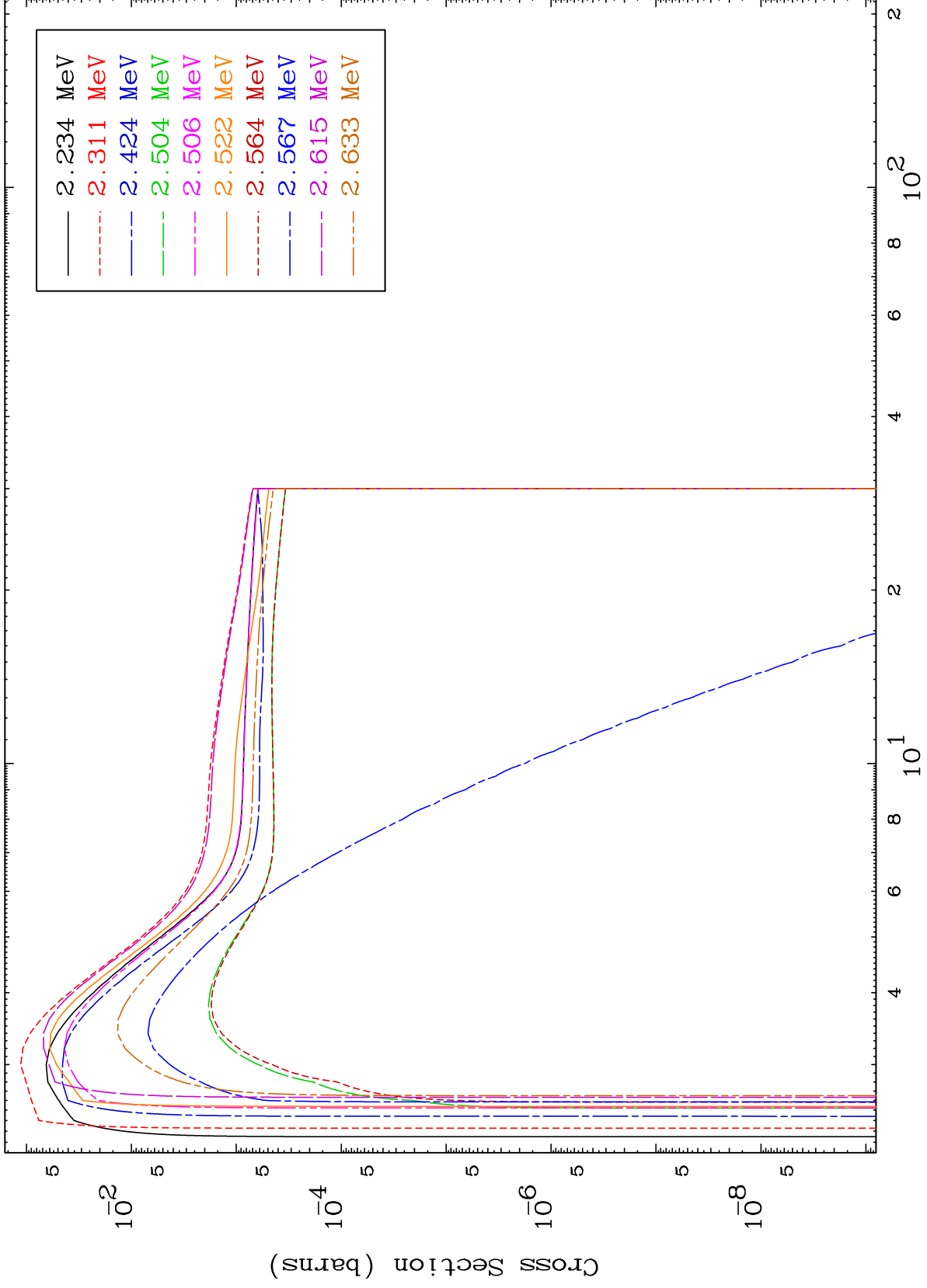
Incident Energy (MeV)

64-Gd-148

MAT 6413

(n,n') Level
293 Kelvin Cross Sections

64-Gd-148



8

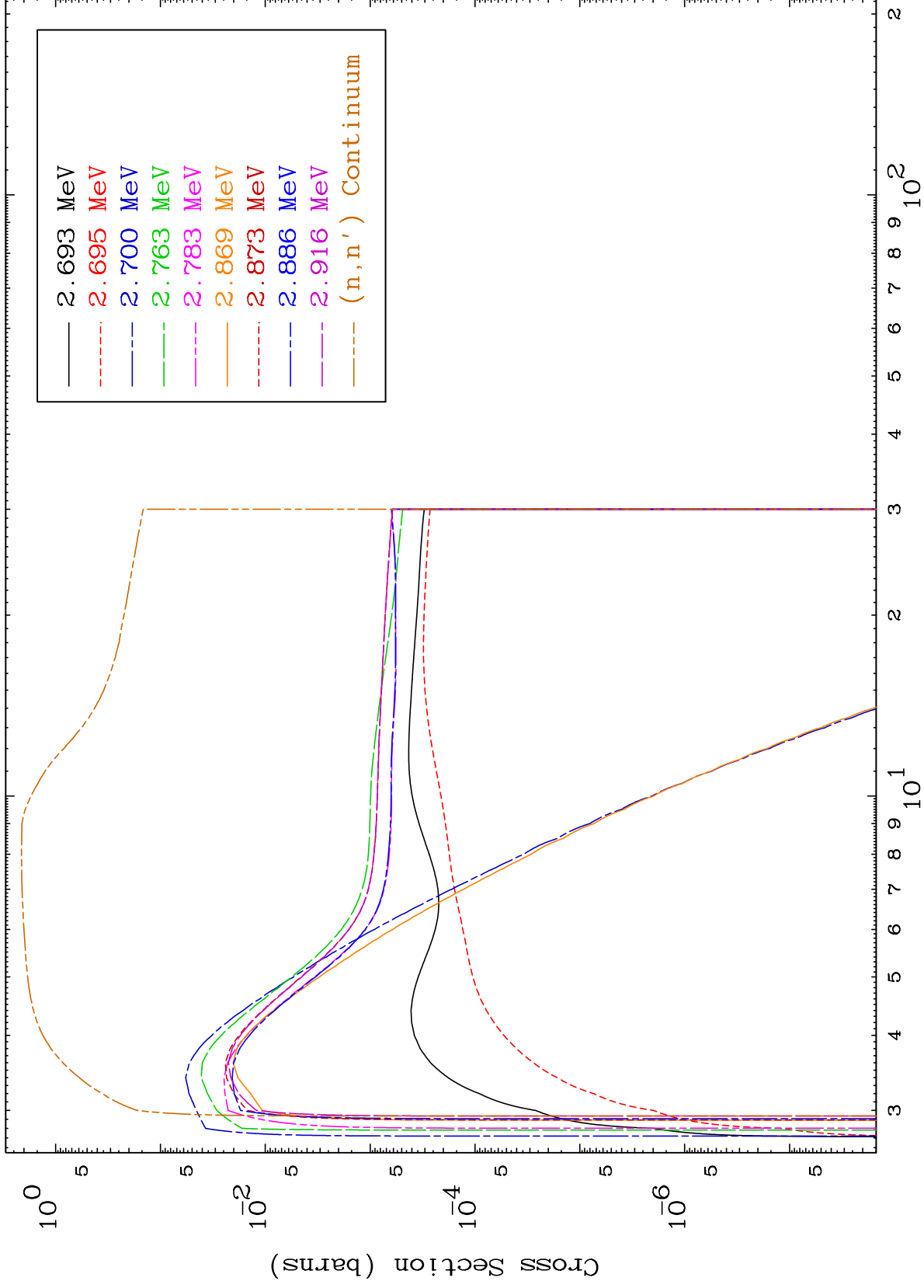
Incident Energy (MeV)

64-Gd-148

MAT 6413

(n,n') Level
293 Kelvin Cross Sections

64-Gd-148



9

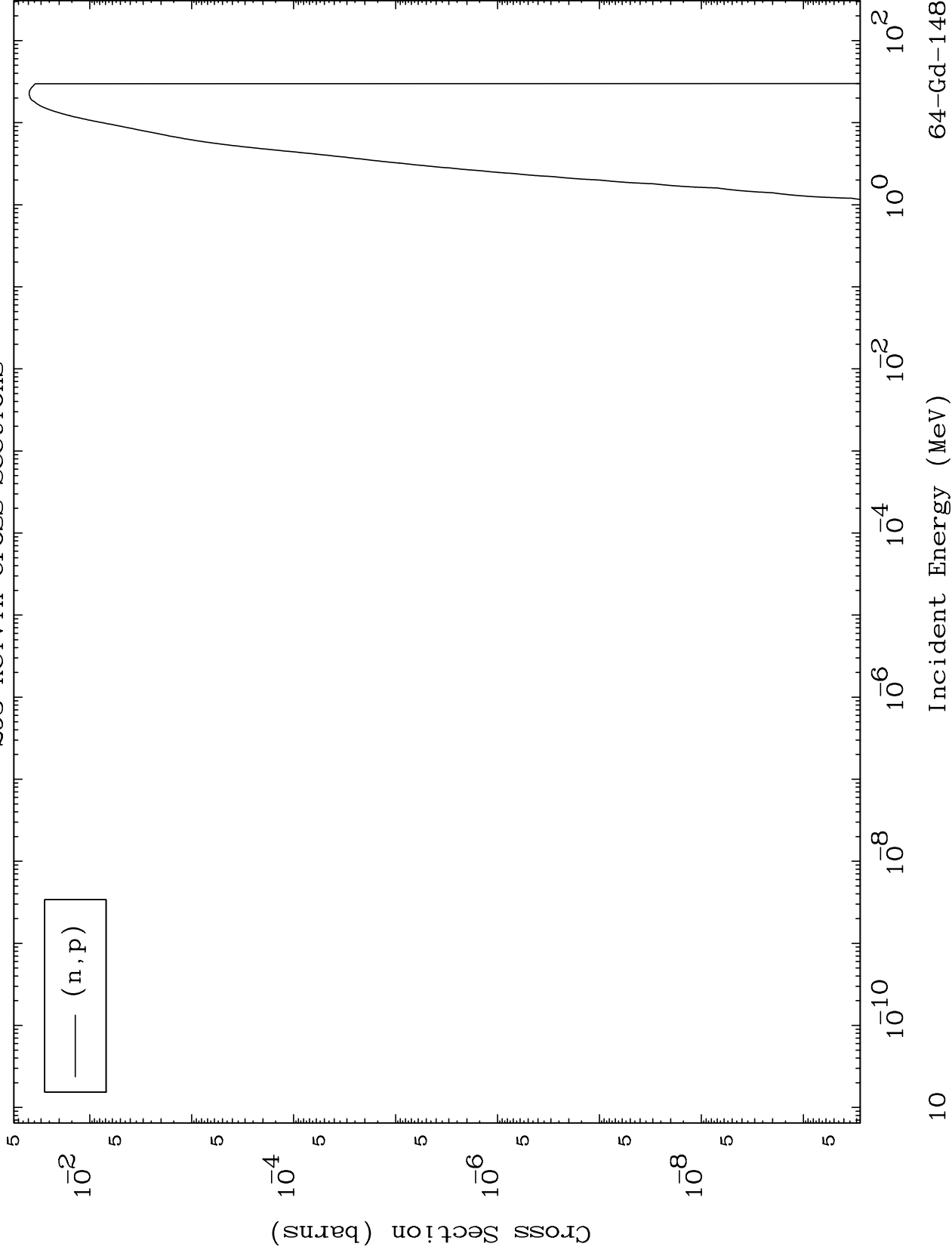
Incident Energy (MeV)

64-Gd-148

MAT 6413

(n,p) Levels
293 Kelvin Cross Sections

64-Gd-148



10

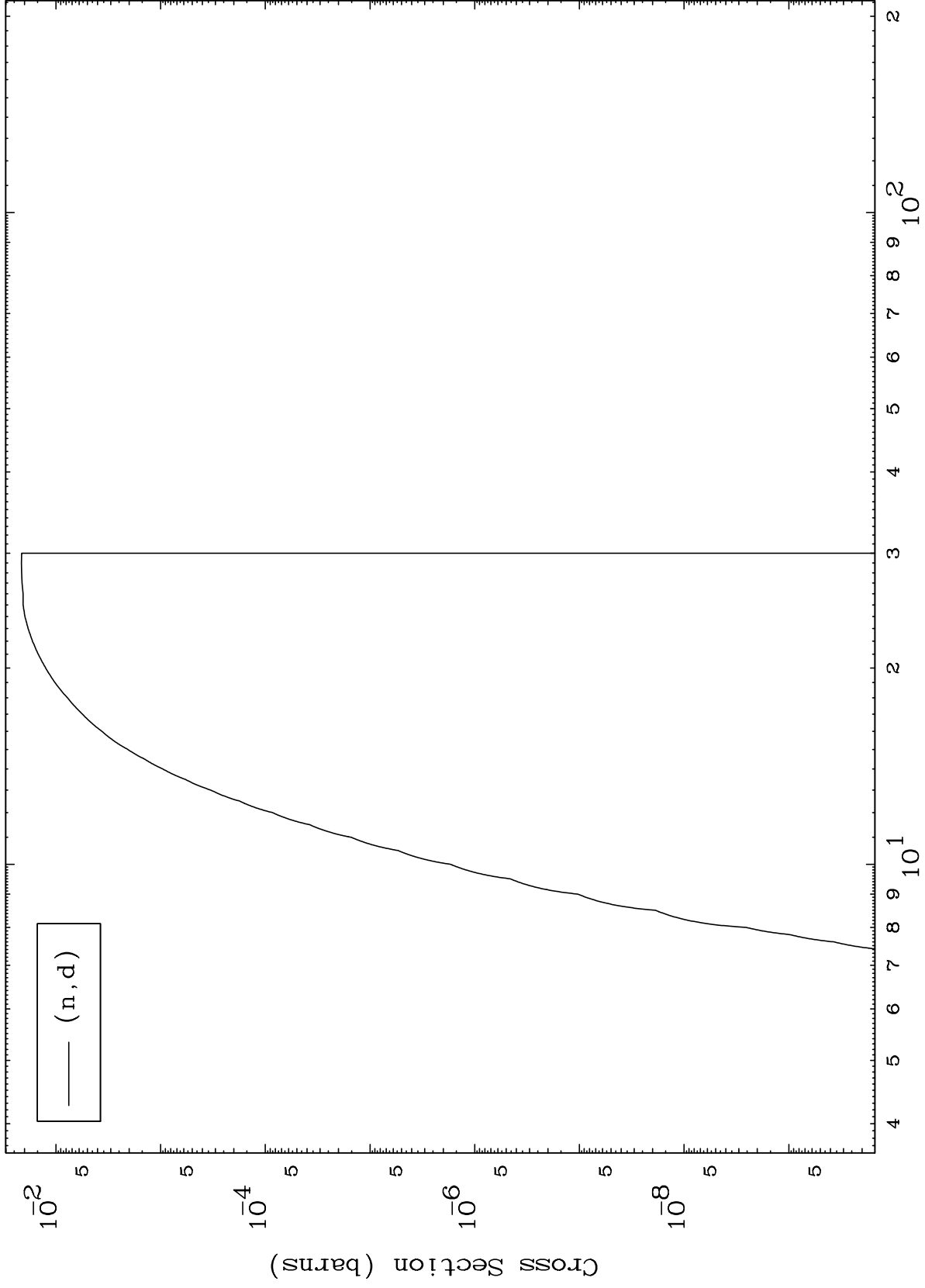
Incident Energy (MeV)

64-Gd-148

MAT 6413

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-148



11

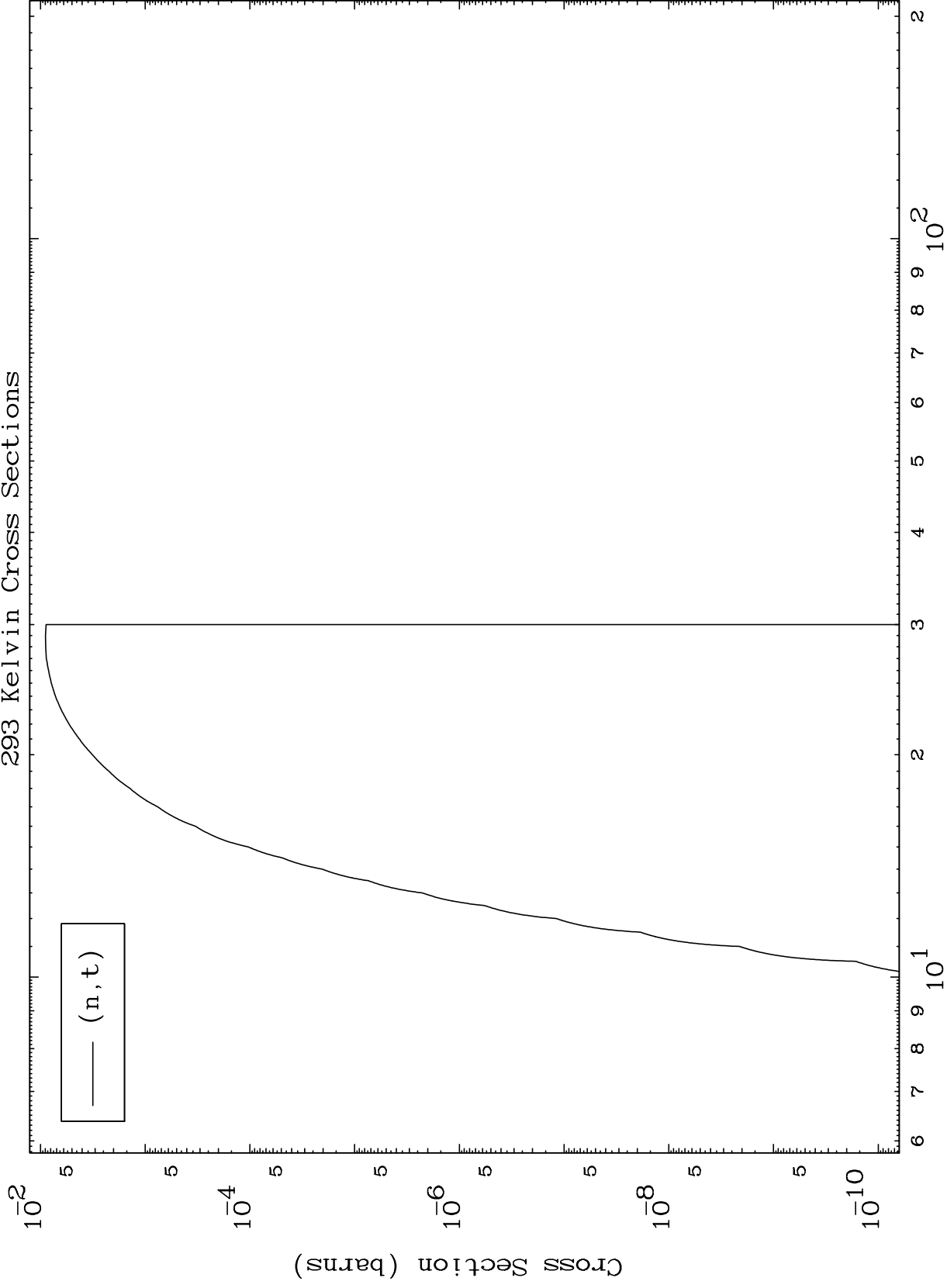
Incident Energy (MeV)

64-Gd-148

MAT 6413

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-148



12

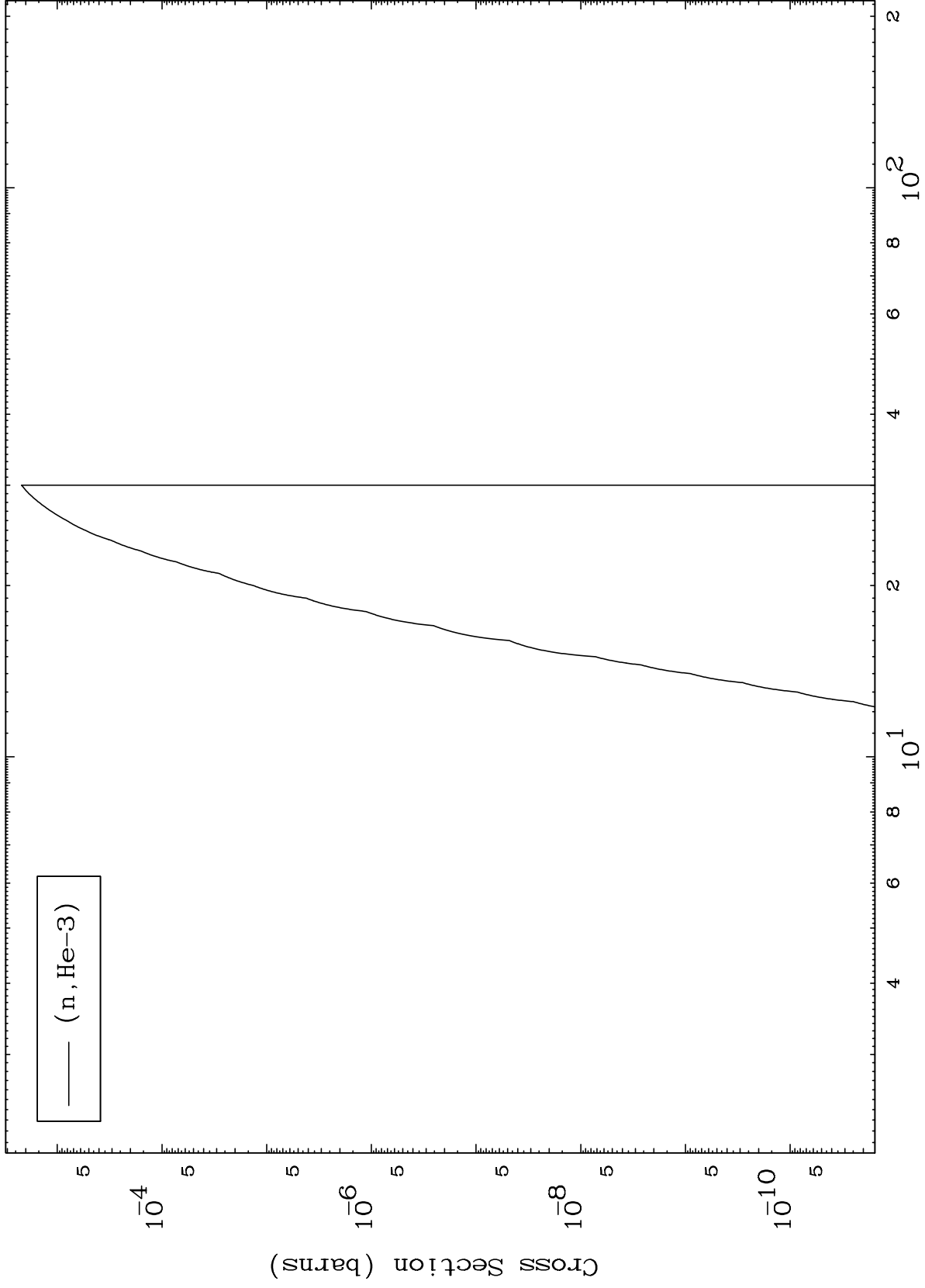
Incident Energy (MeV)

64-Gd-148

MAT 6413

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-148



13

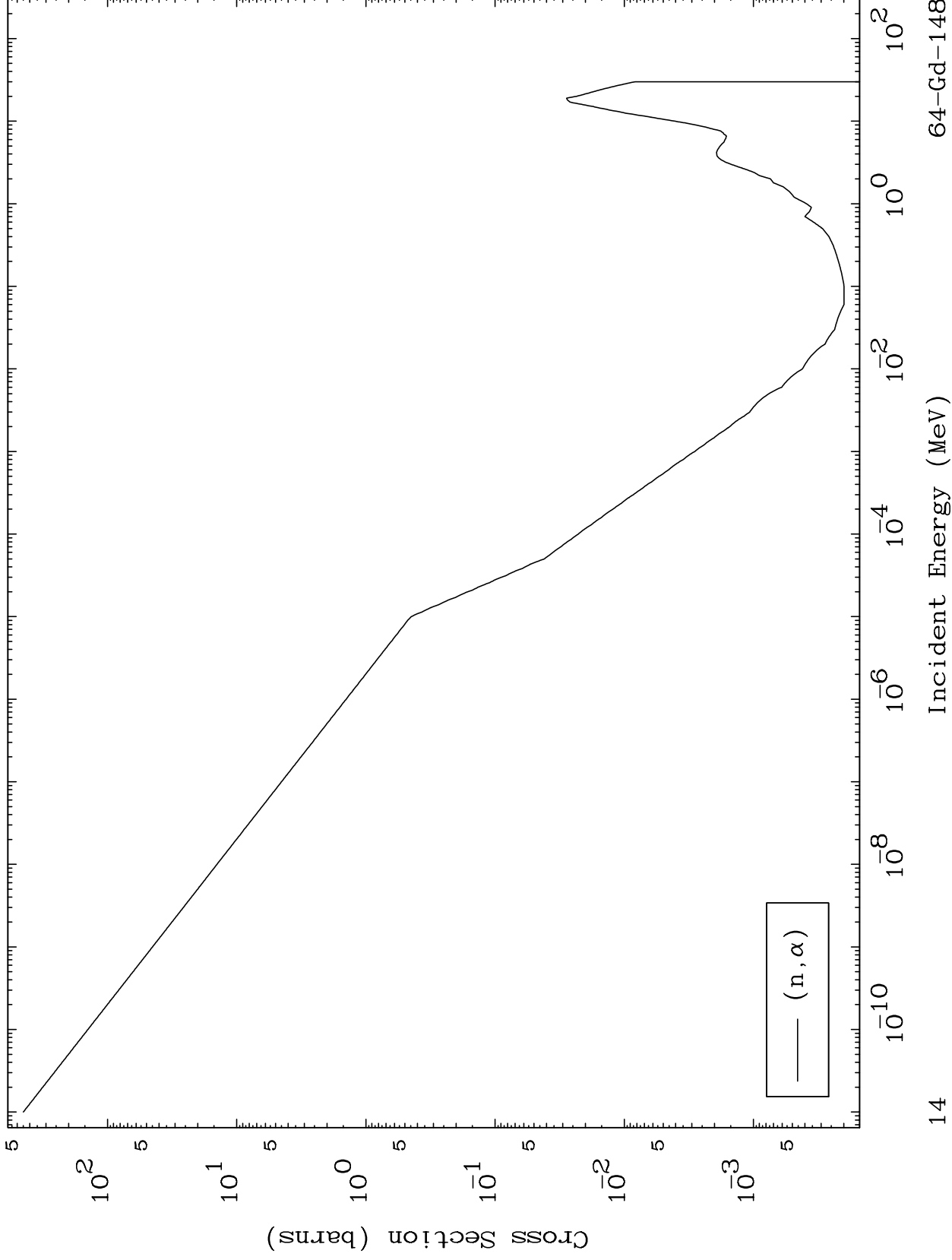
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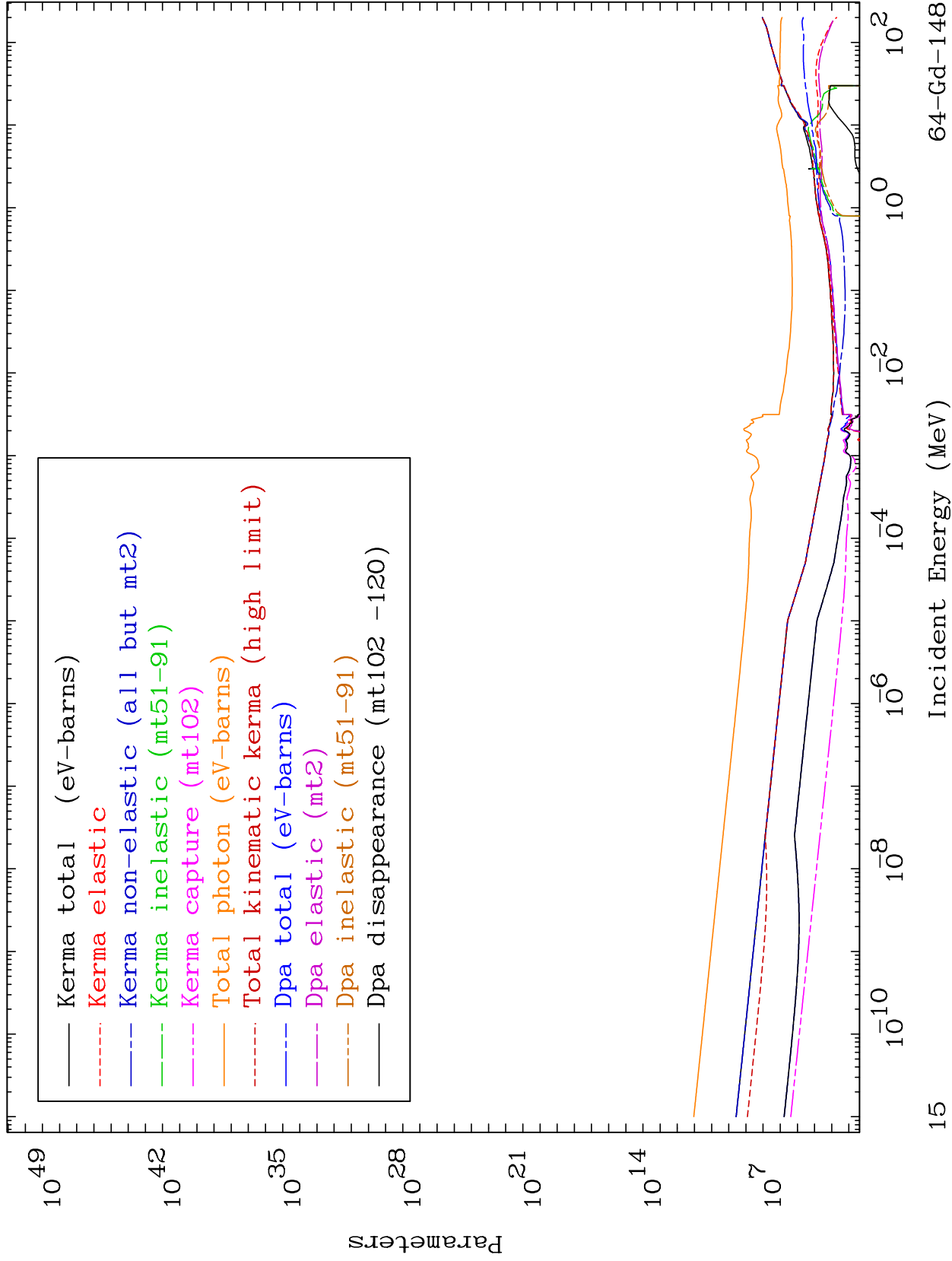
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MAT 6413

(n,α) Levels
293 Kelvin Cross Sections

64-Gd-148

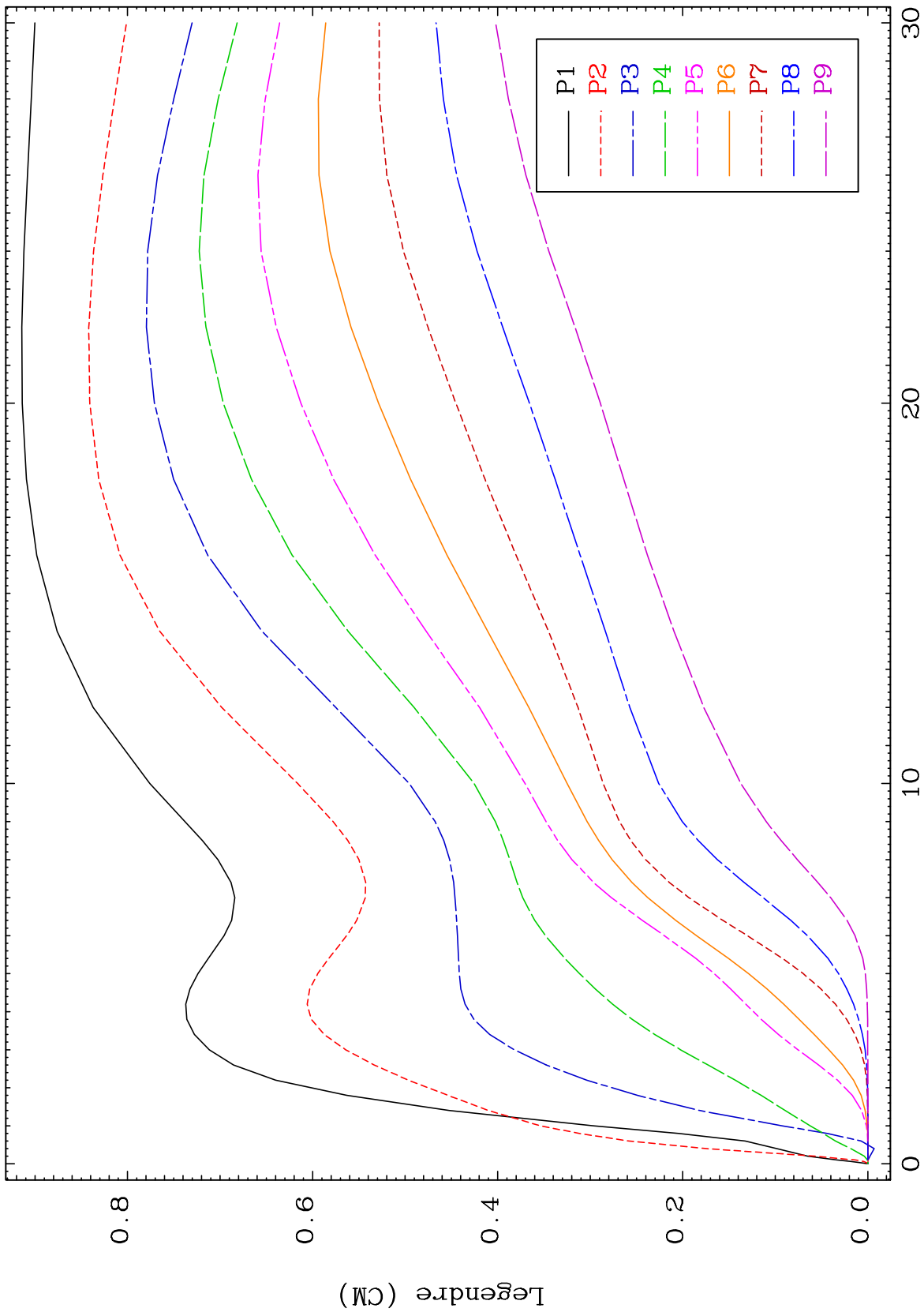




MAT 6413

64-Gd-148

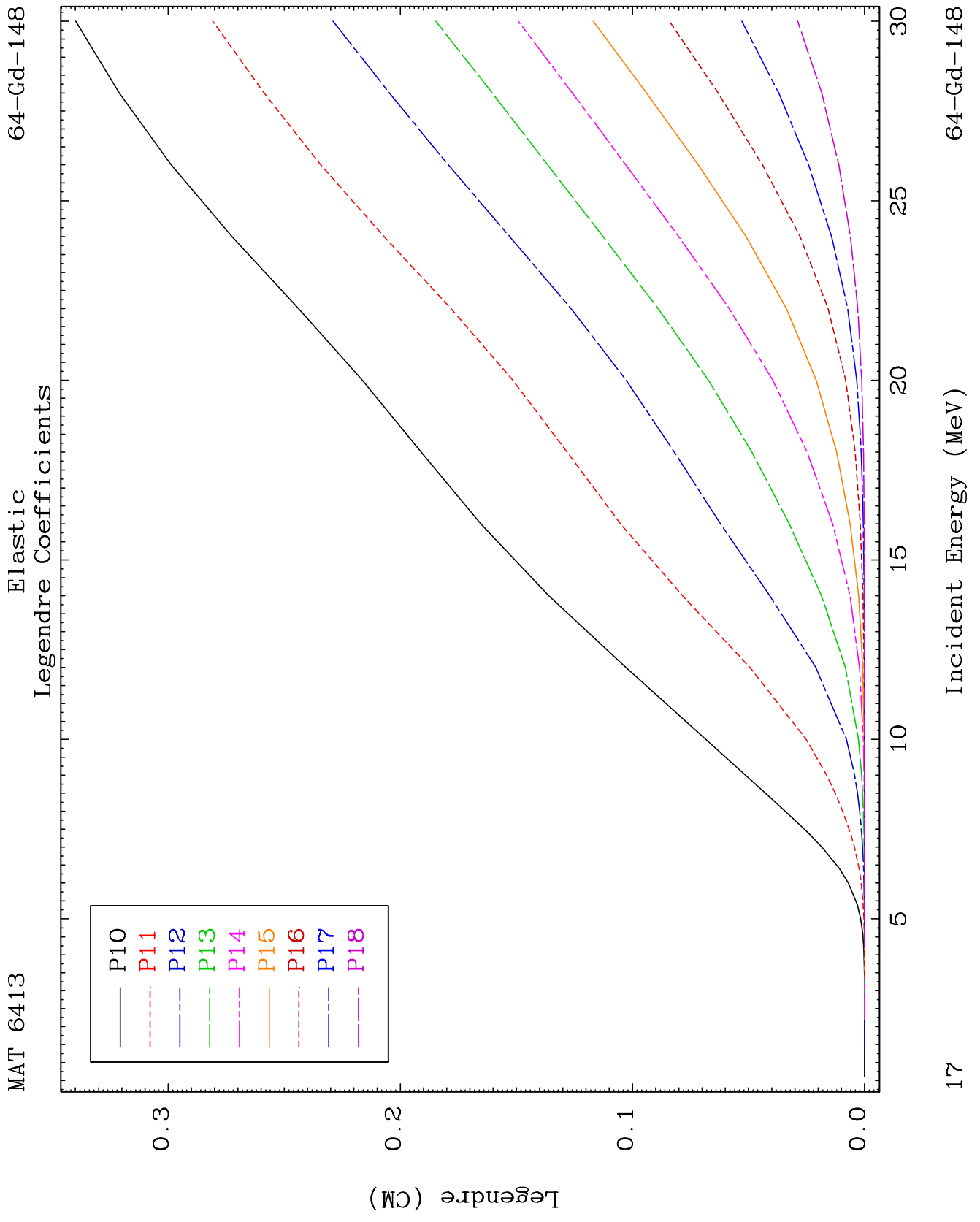
Elastic Legendre Coefficients



16

Incident Energy (MeV)

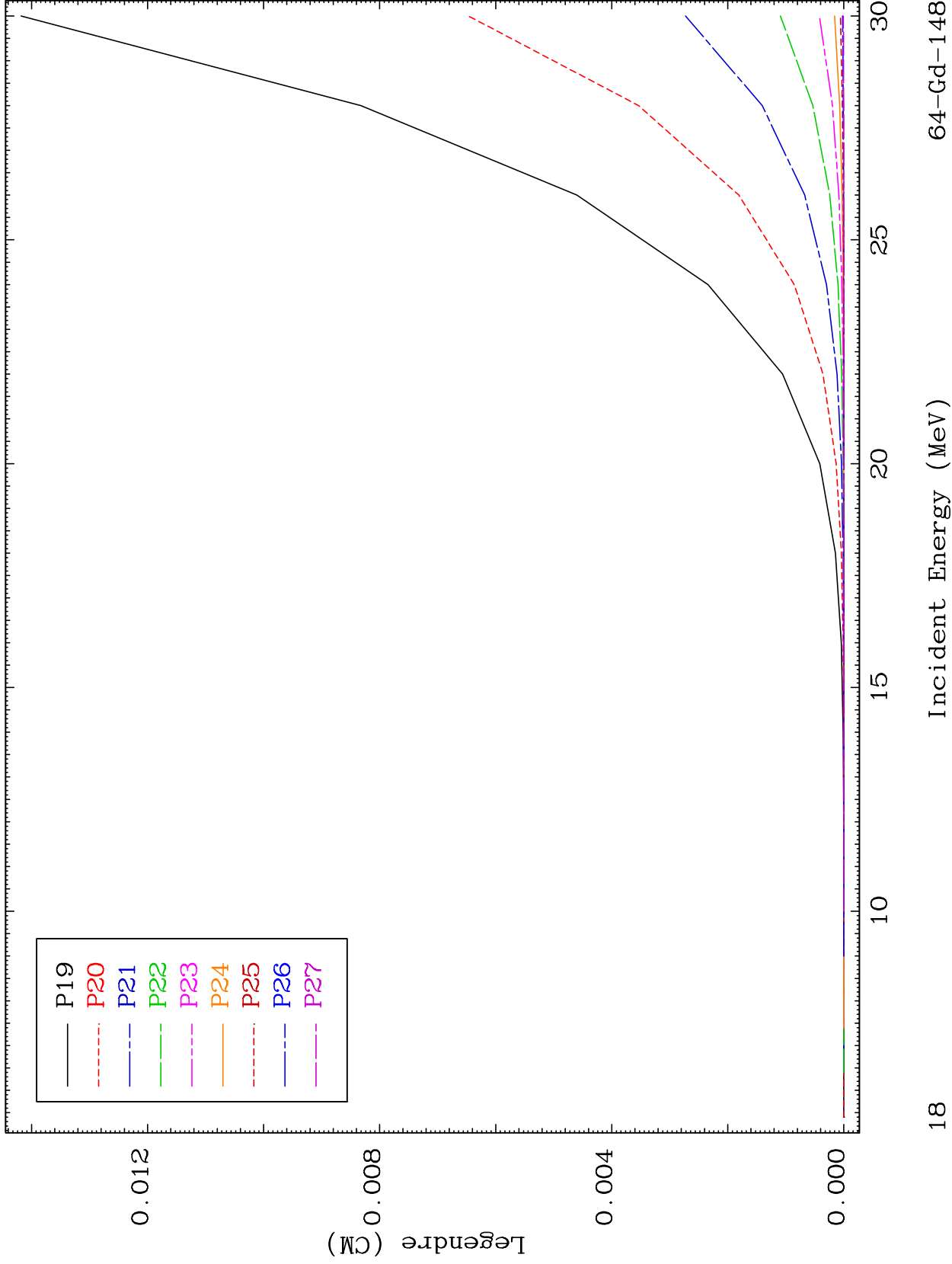
64-Gd-148



MAT 6413

Elastic Legendre Coefficients

64-Gd-148



18

Incident Energy (MeV)

64-Gd-148

30

25

20

15

10

Legendre (CM)

0.012

0.008

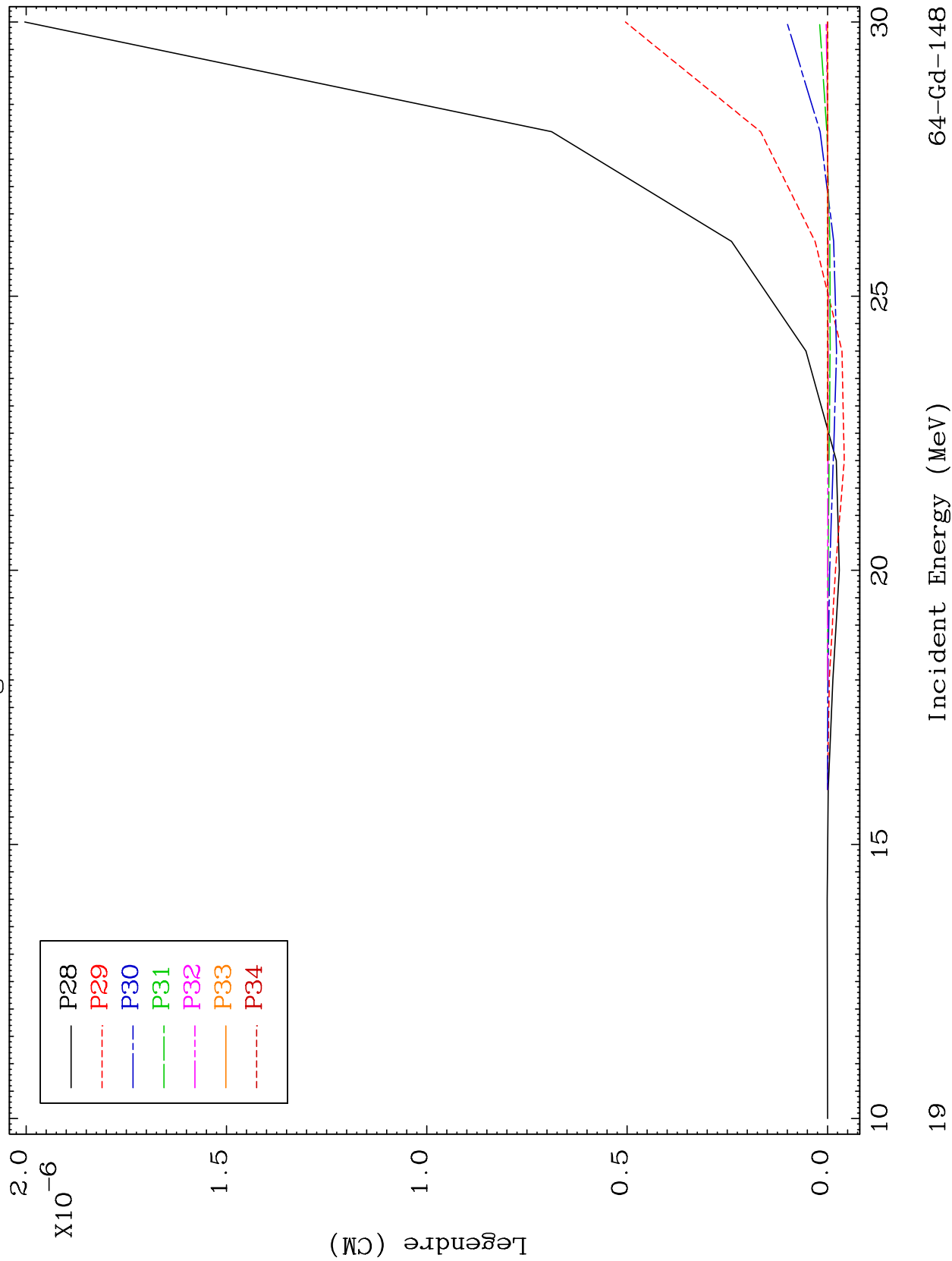
0.004

0.000

MAT 6413

Elastic
Legendre Coefficients

64-Gd-148



19

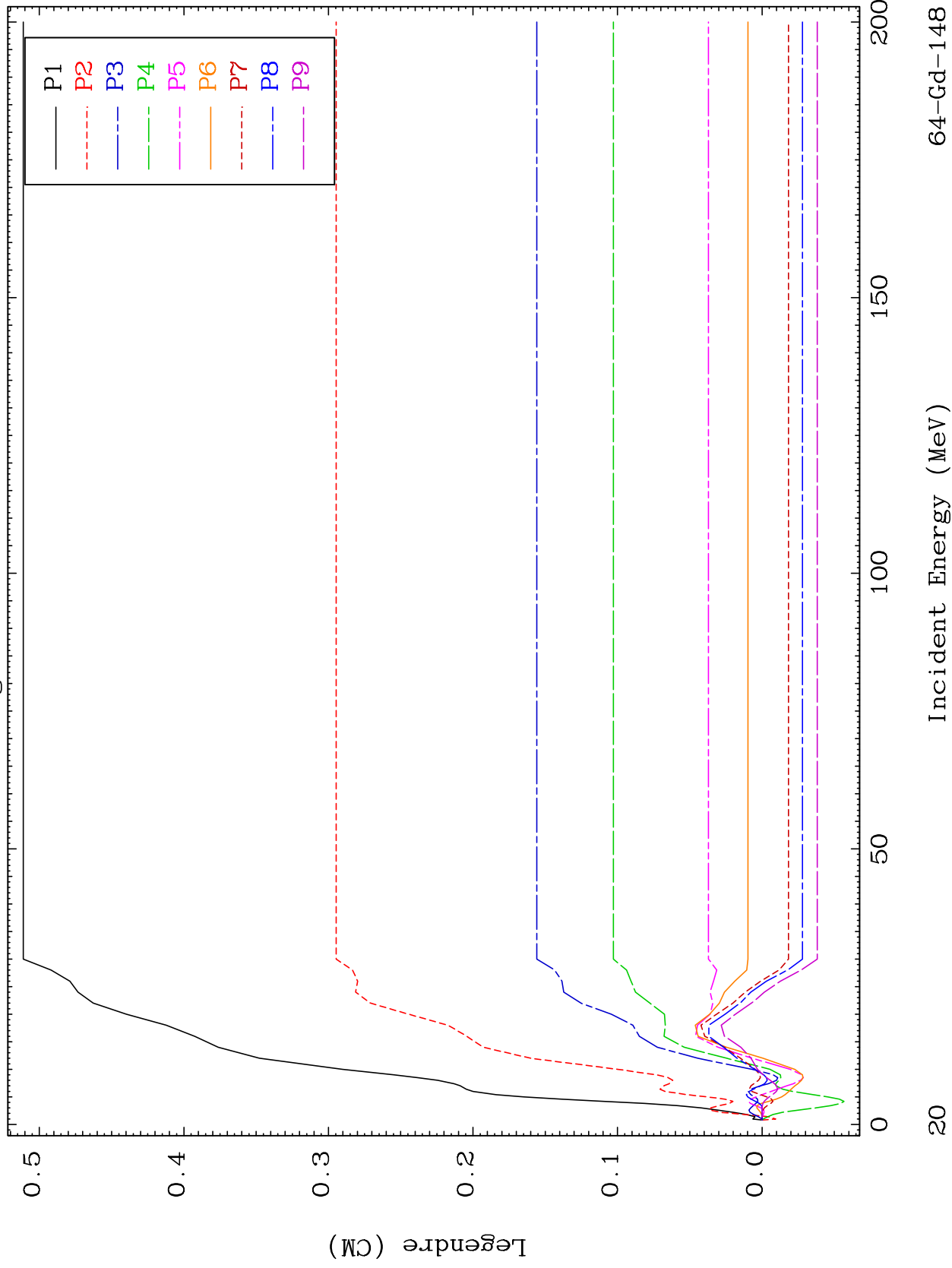
Incident Energy (MeV)

64-Gd-148

MAT 6413

784.4 keV (n, n') Level
Legendre Coefficients

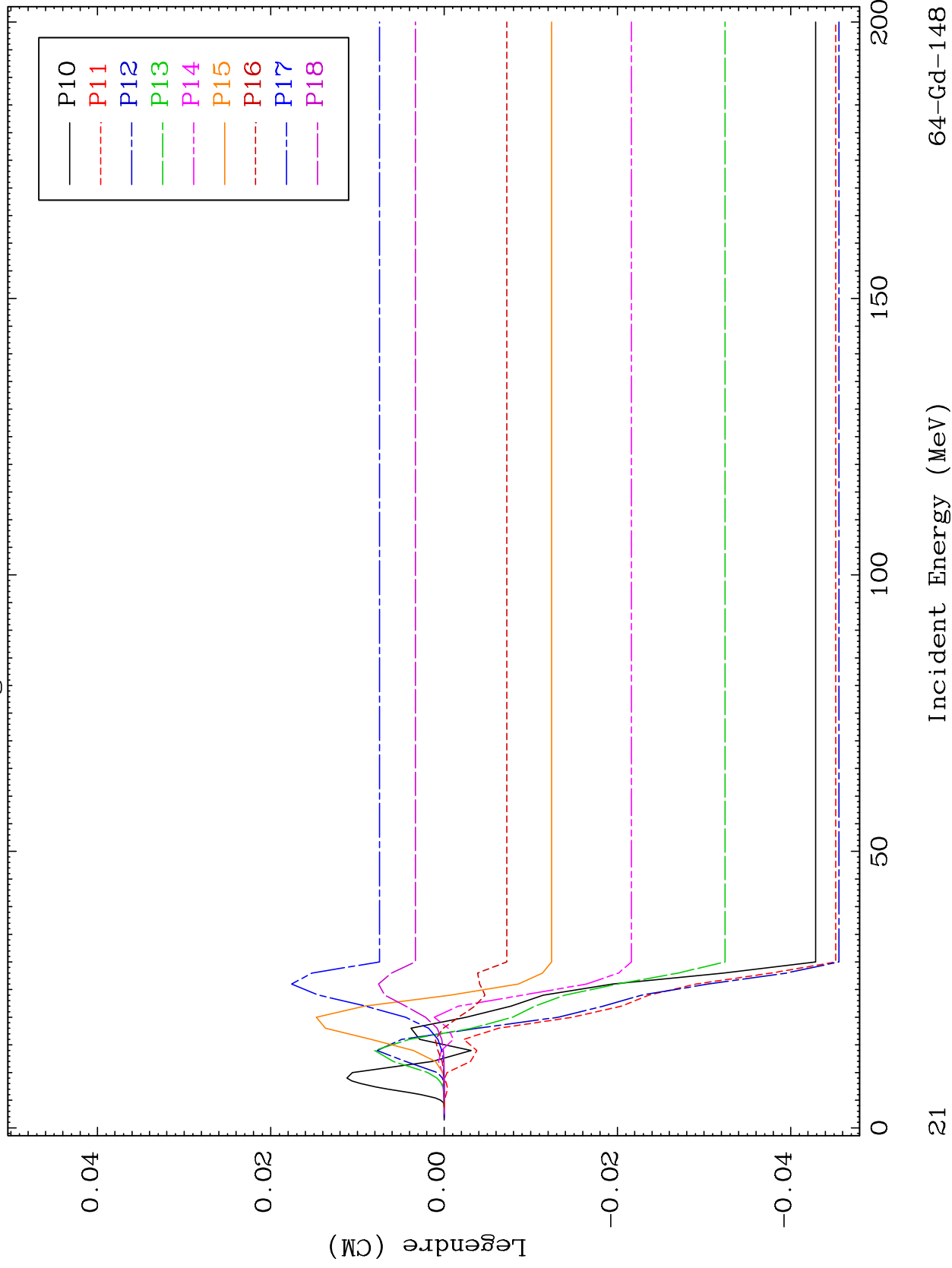
64-Gd-148



MAT 6413

784.4 keV (n,n') Level
Legendre Coefficients

64-Gd-148



64-Gd-148

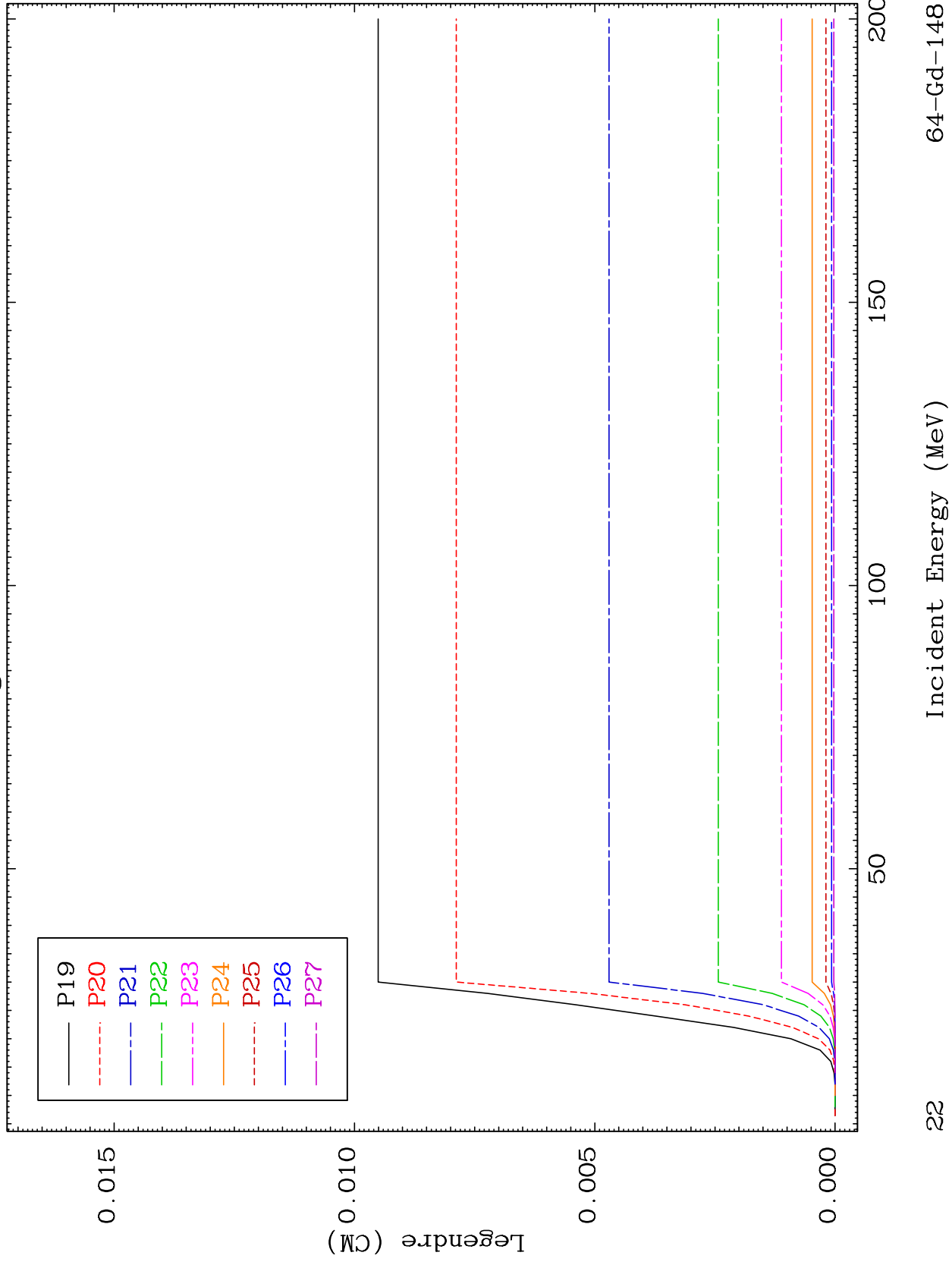
Incident Energy (MeV)

21

MAT 6413

784.4 keV (n,n') Level
Legendre Coefficients

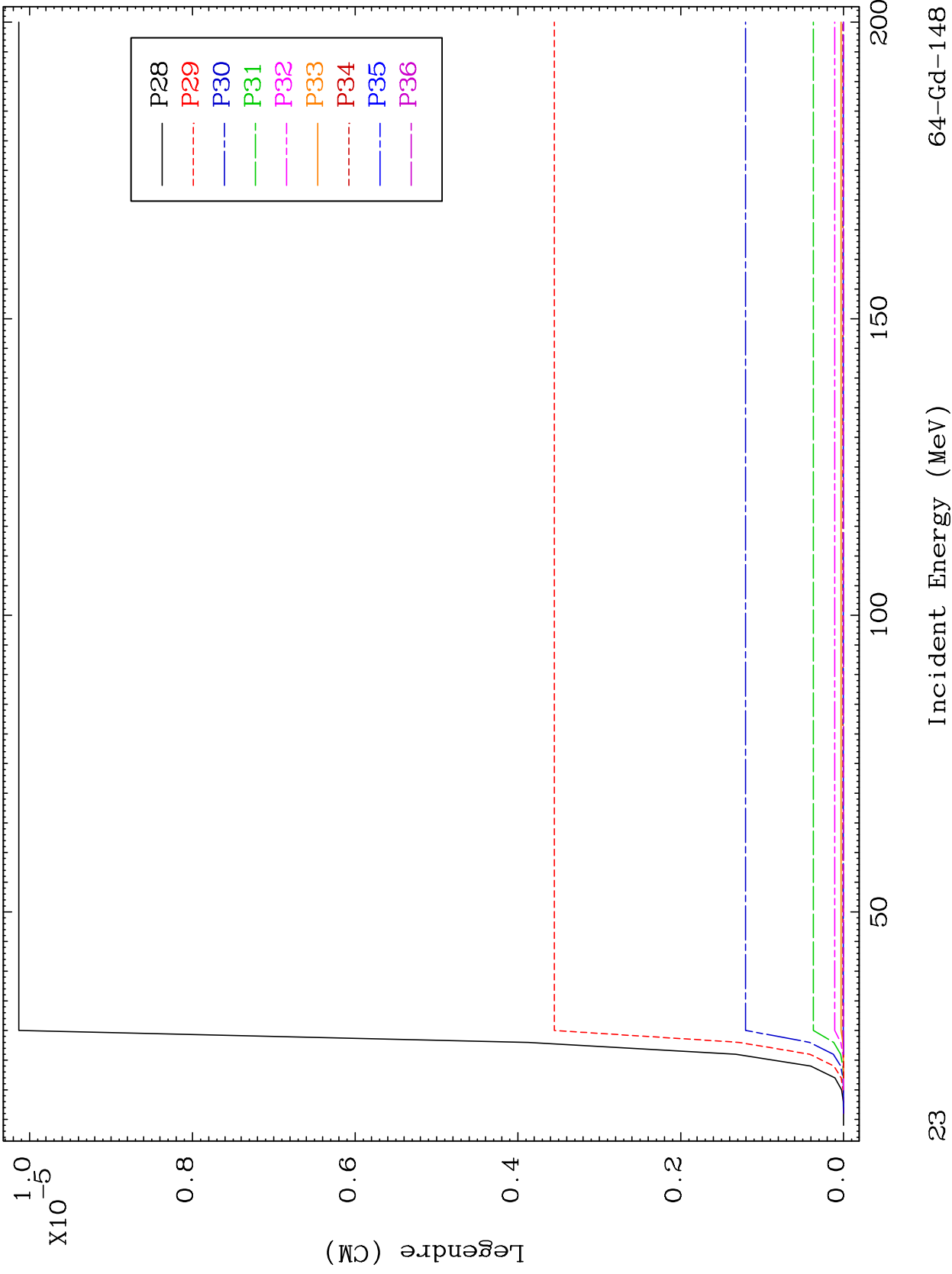
64-Gd-148



MAT 6413

784.4 keV (n,n') Level
Legendre Coefficients

64-Gd-148

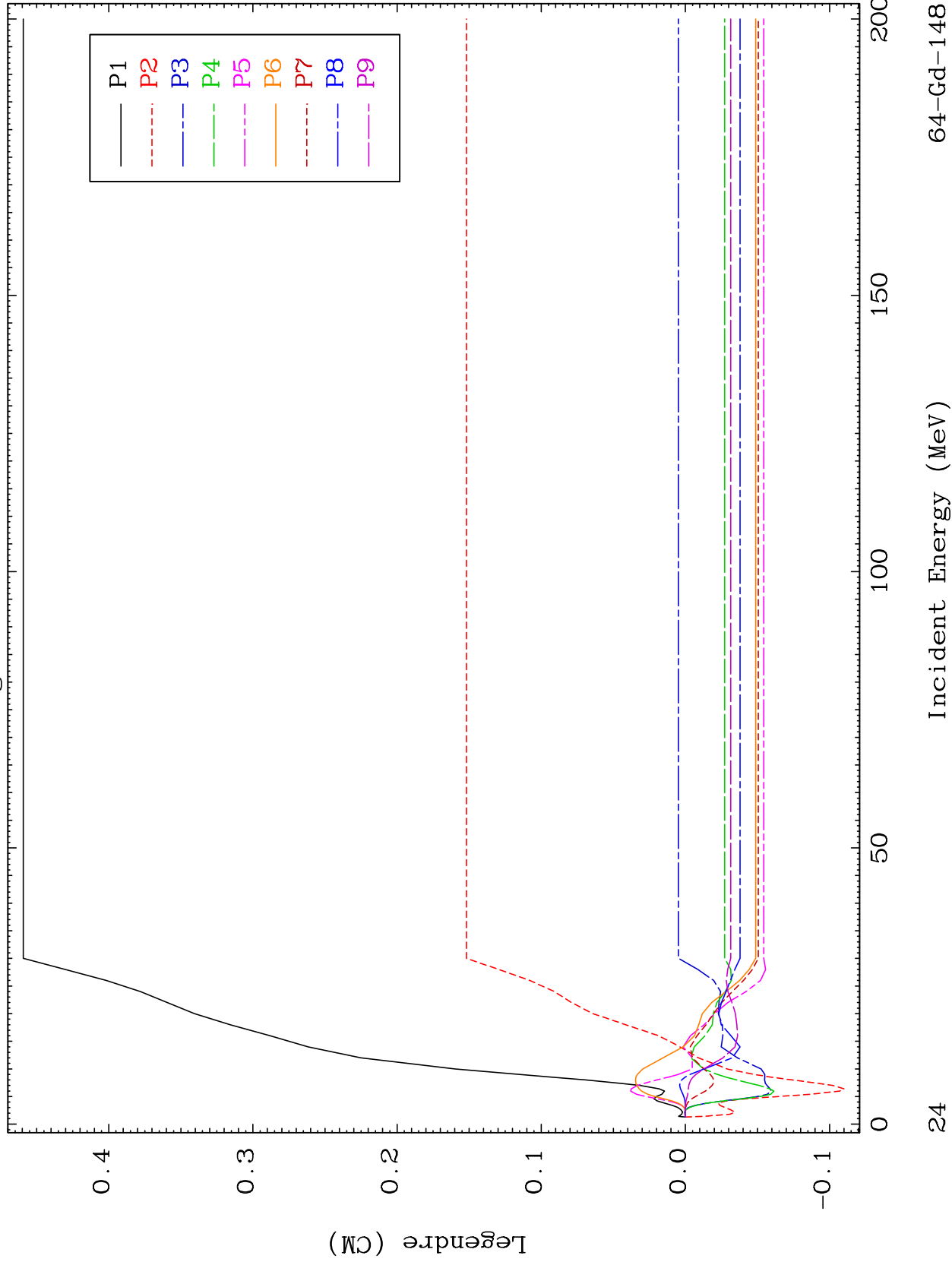


23

MAT 6413

1.273 MeV (n,n') Level
Legendre Coefficients

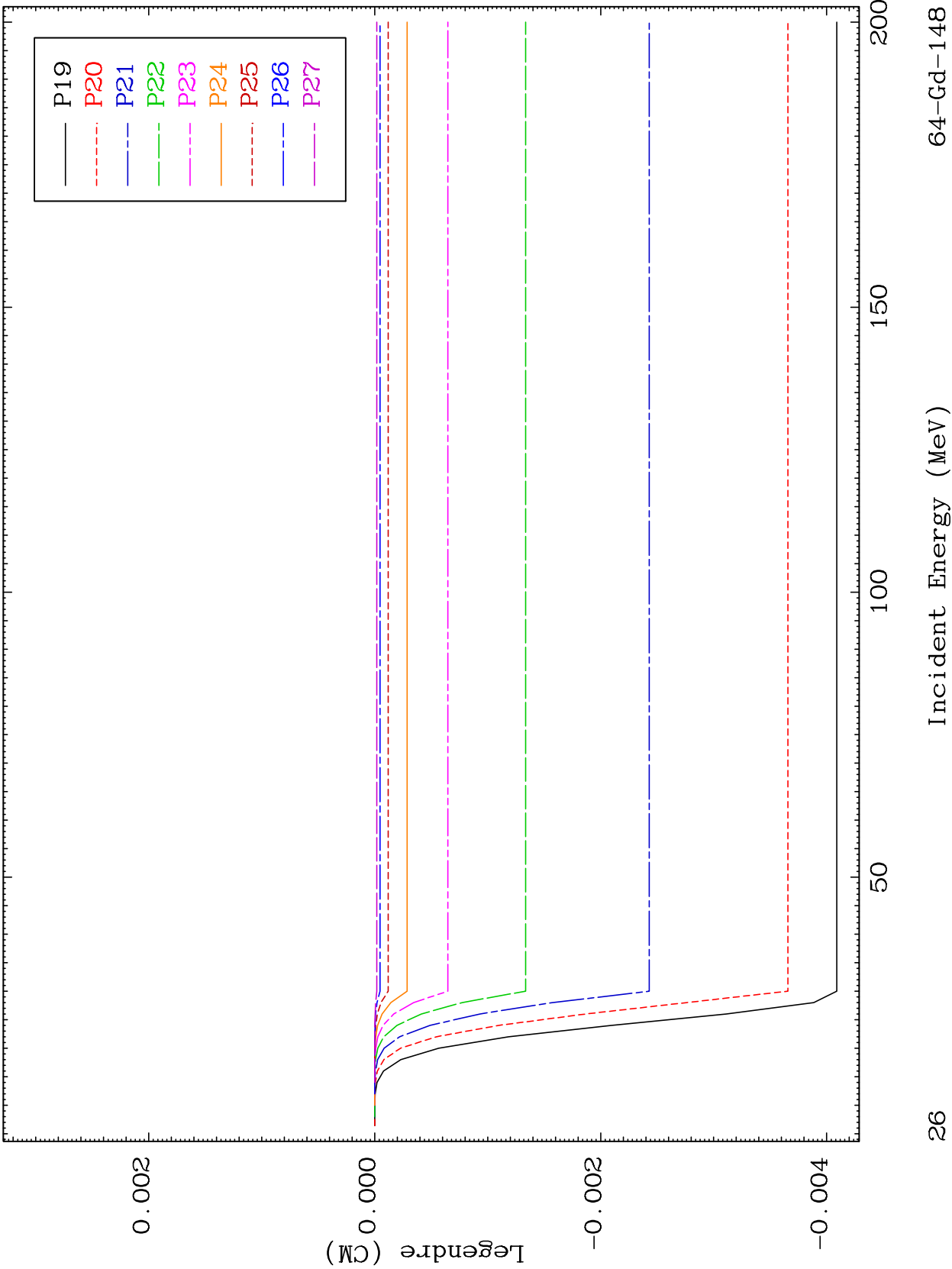
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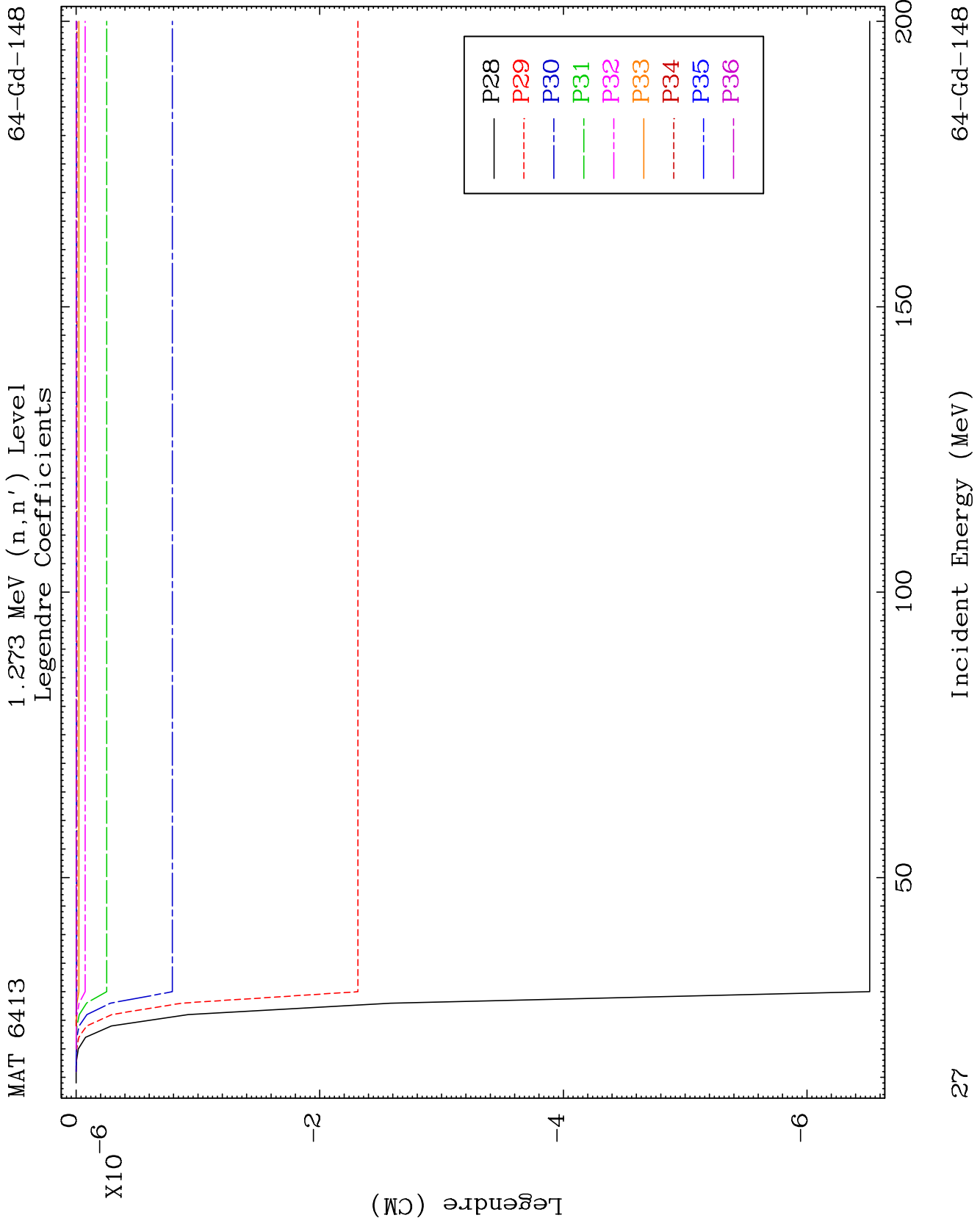


64-Gd-148

Incident Energy (MeV)

24

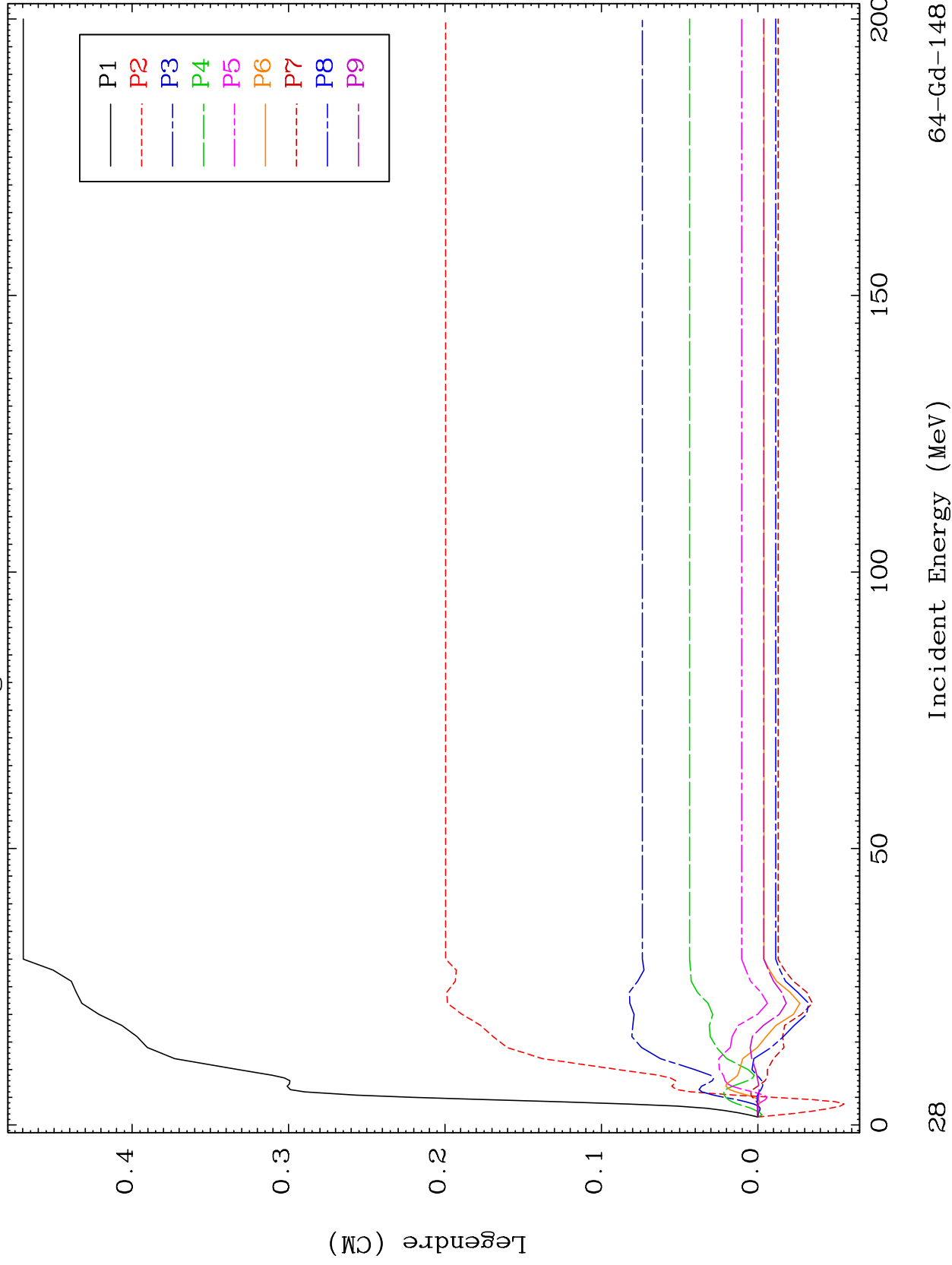




MAT 6413

1.416 MeV (n,n') Level
Legendre Coefficients

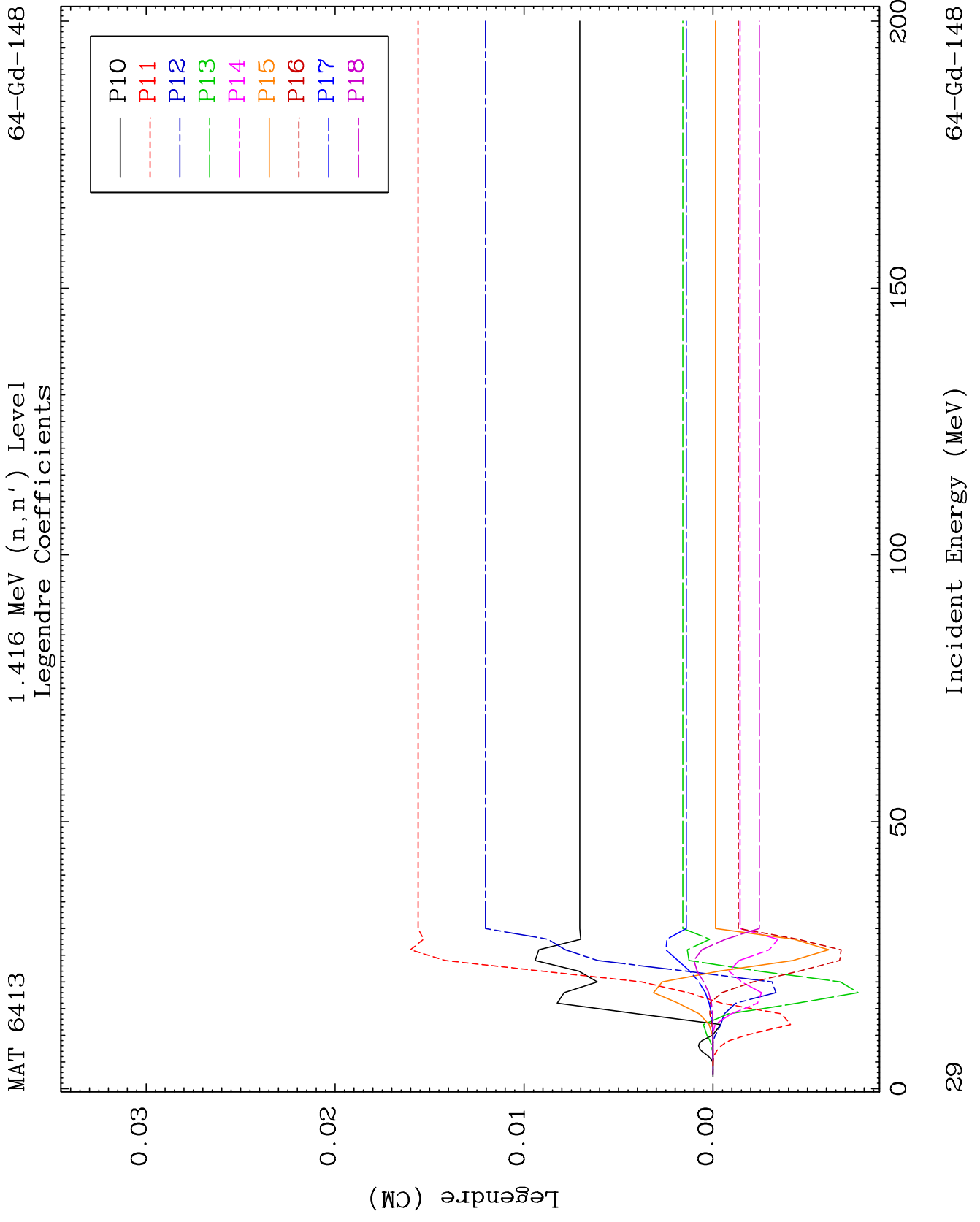
64-Gd-148



64-Gd-148

Incident Energy (MeV)

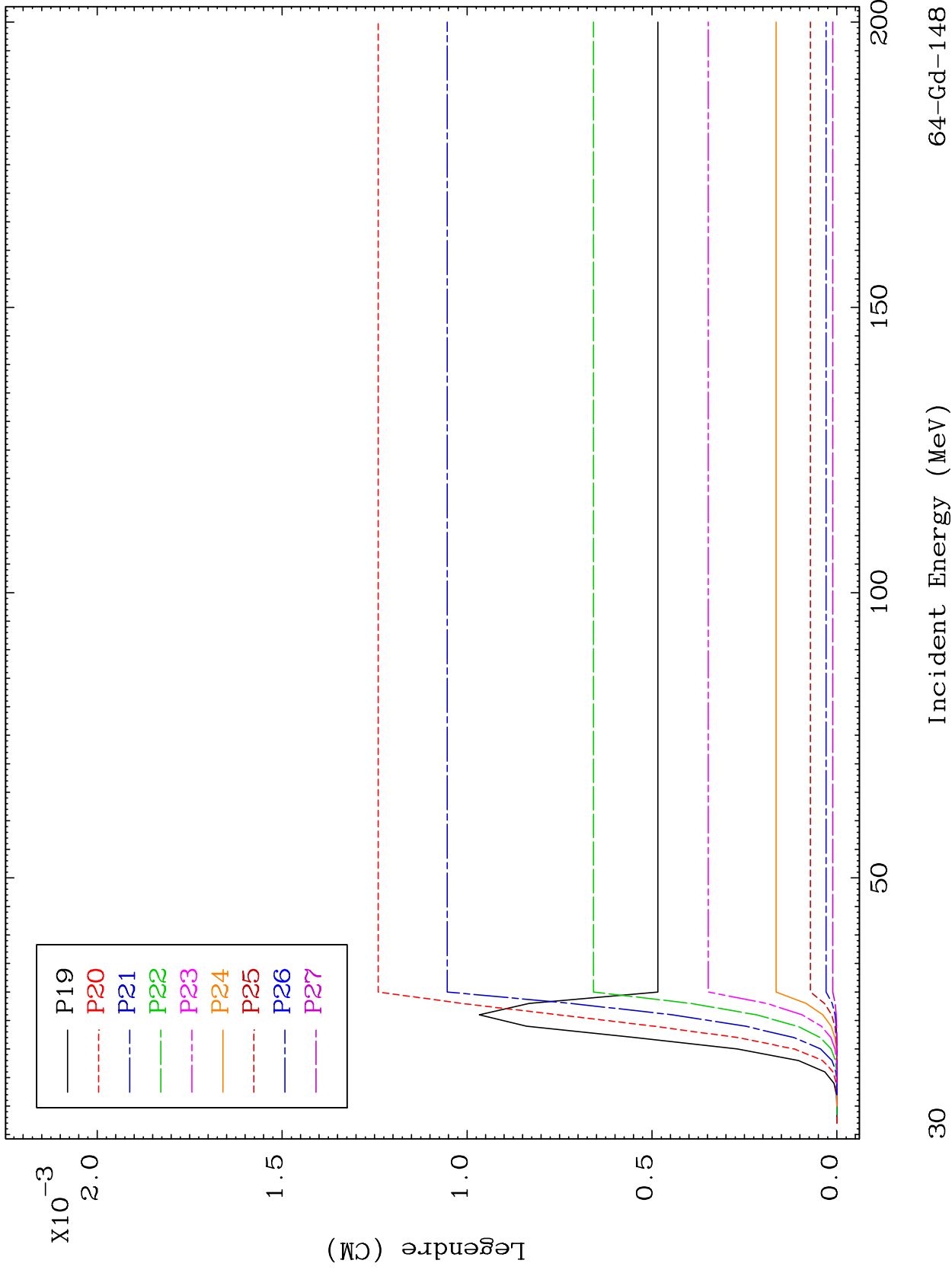
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MAT 6413

1.416 MeV (n, n') Level
Legendre Coefficients

64-Gd-148



30

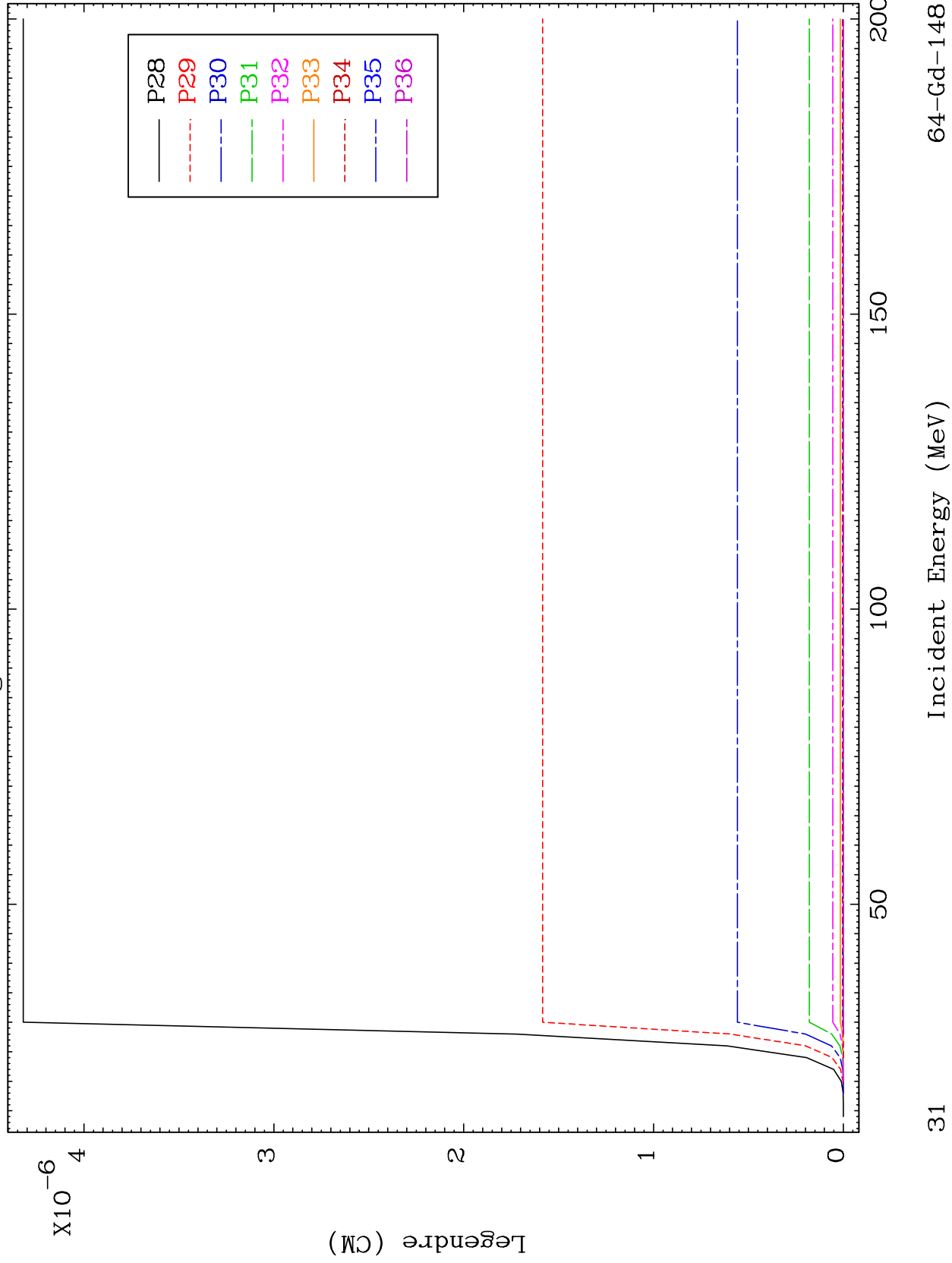
Incident Energy (MeV)

64-Gd-148

MAT 6413

1.416 MeV (n,n') Level
Legendre Coefficients

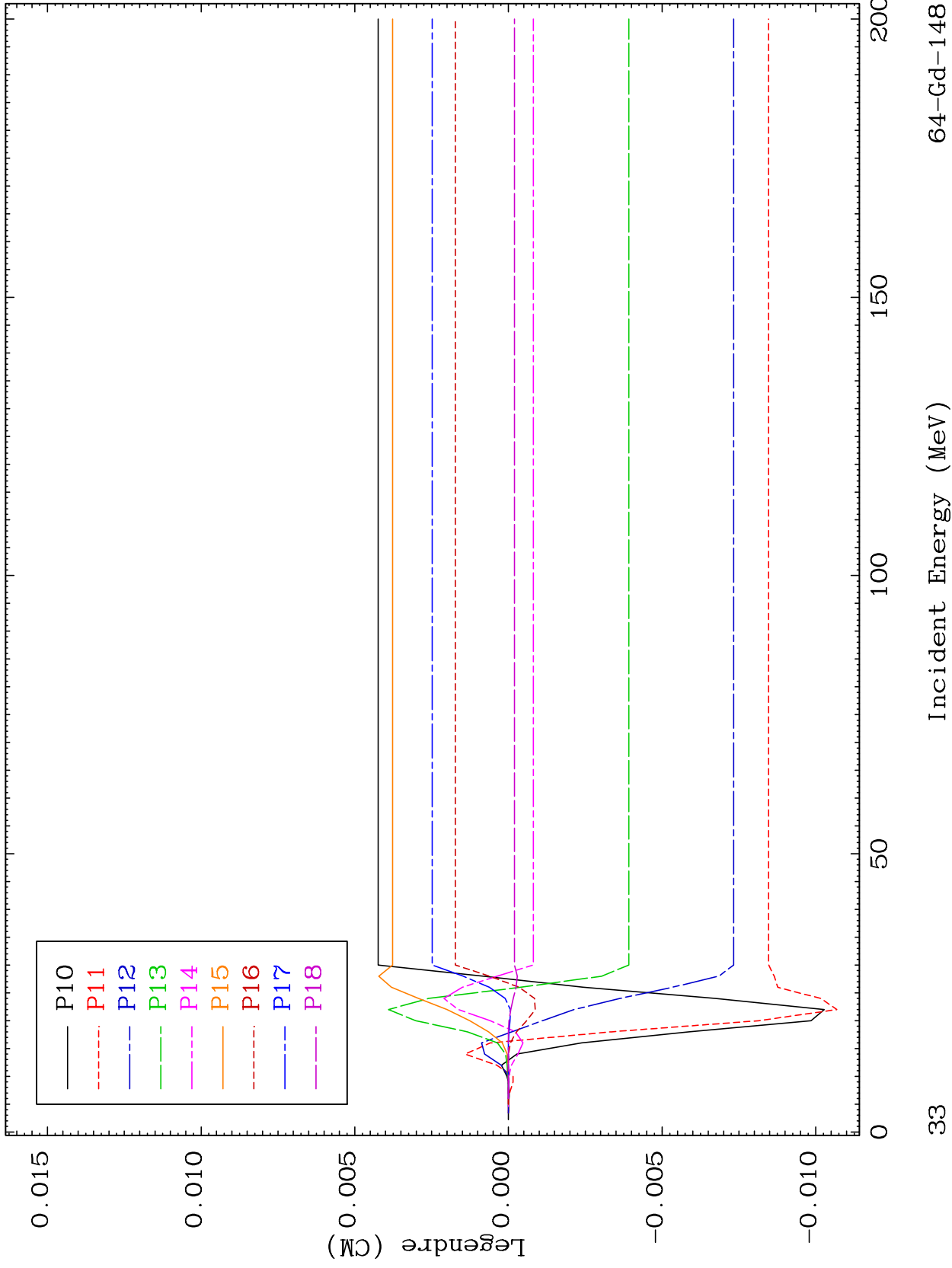
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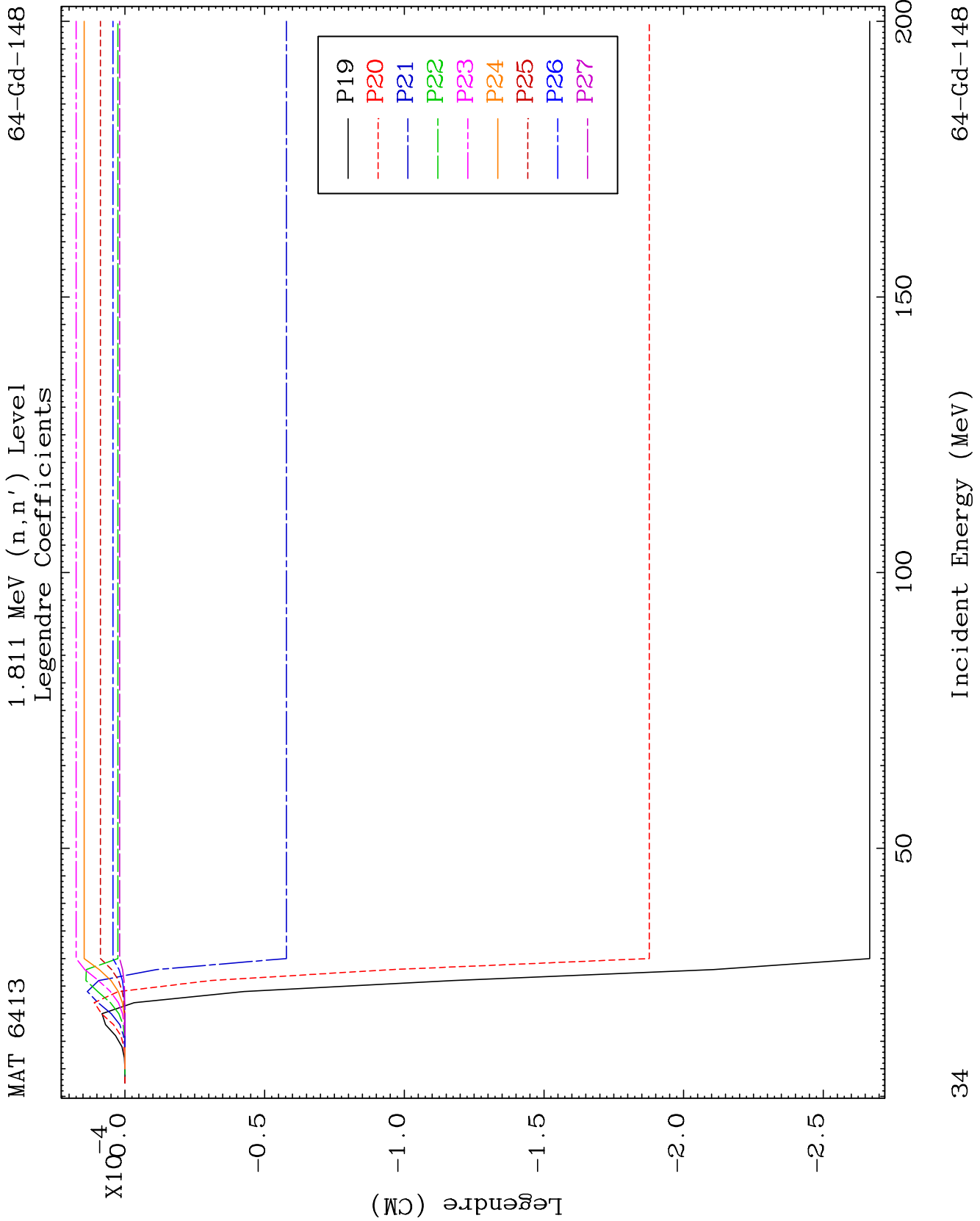


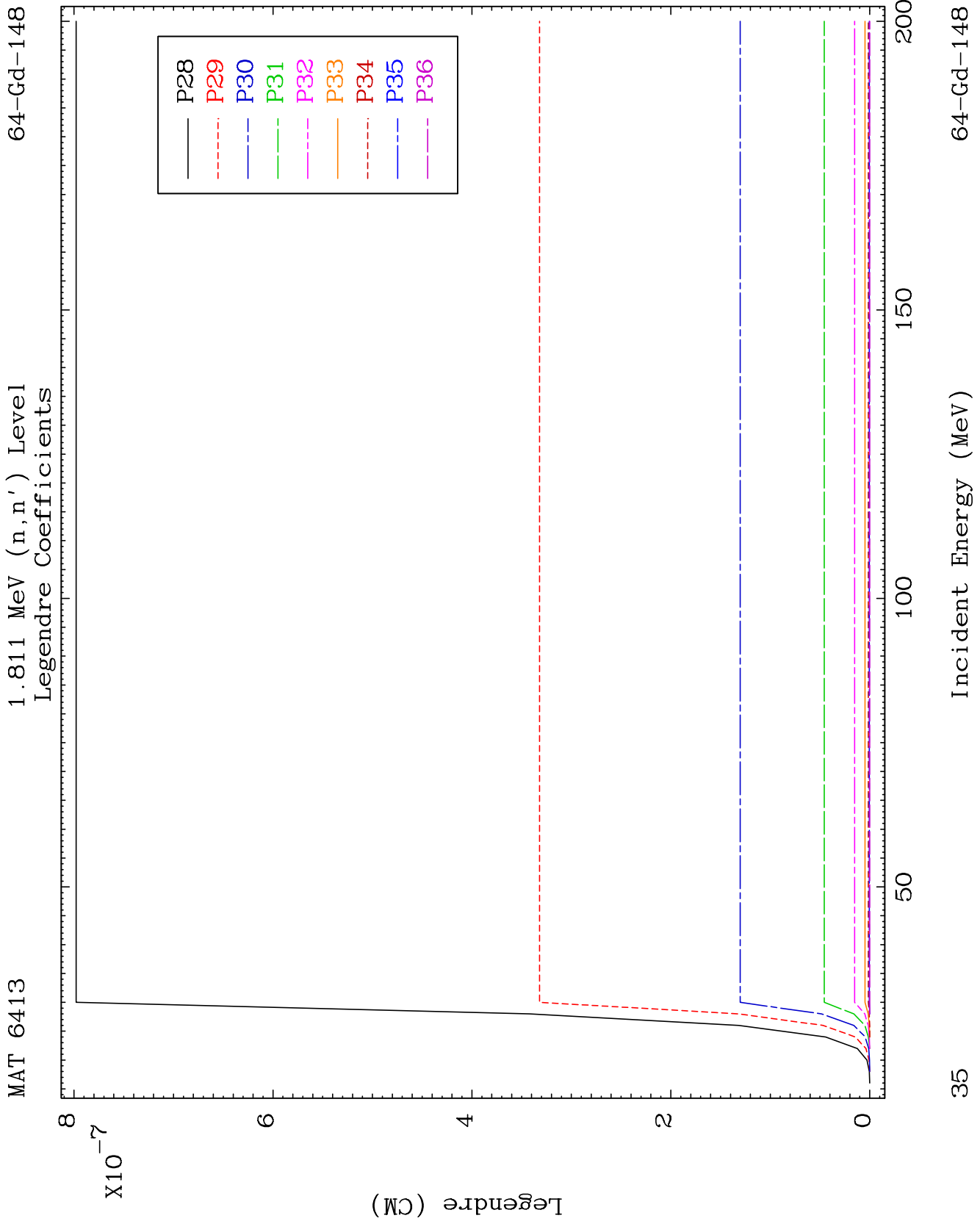
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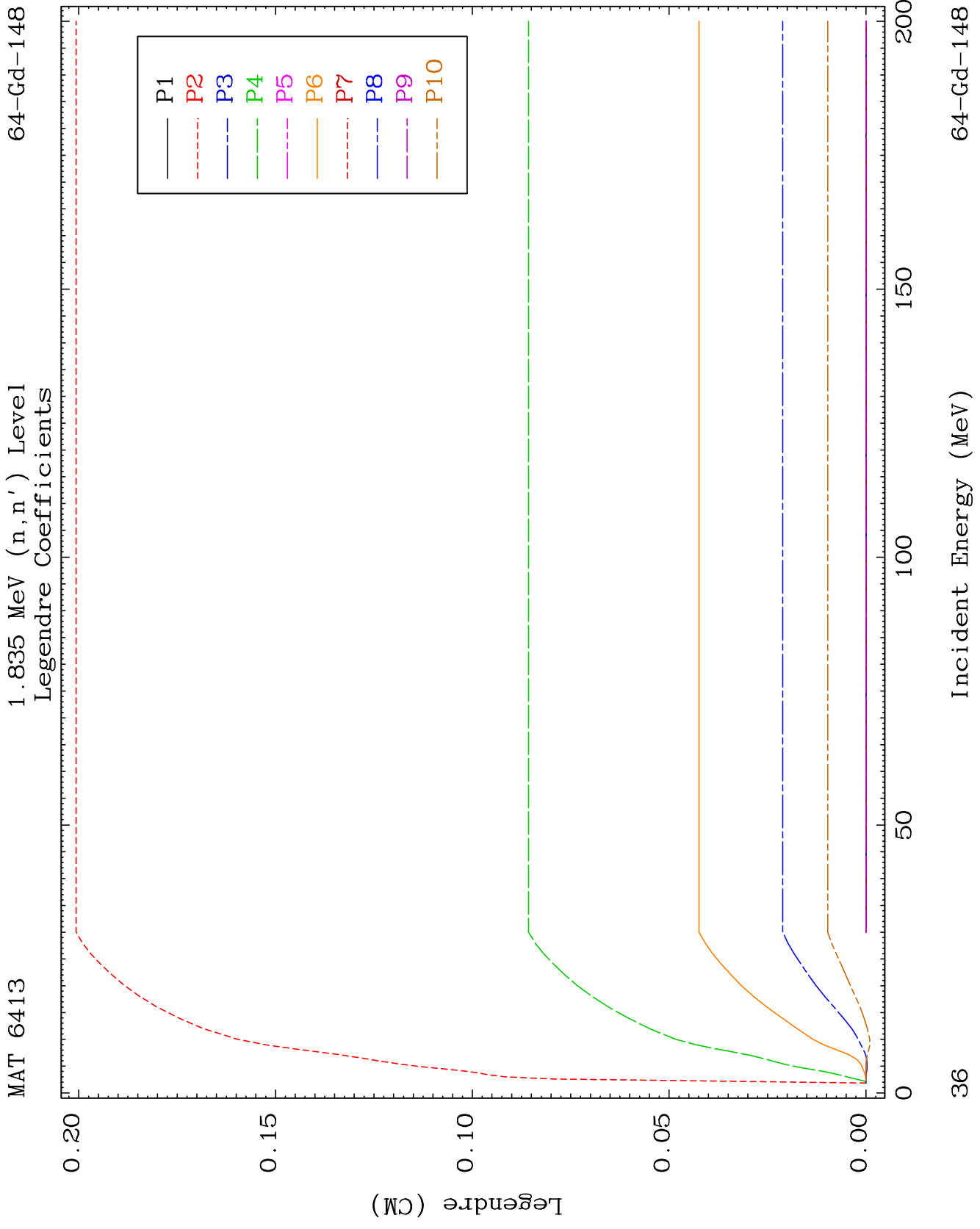
Incident Energy (MeV)

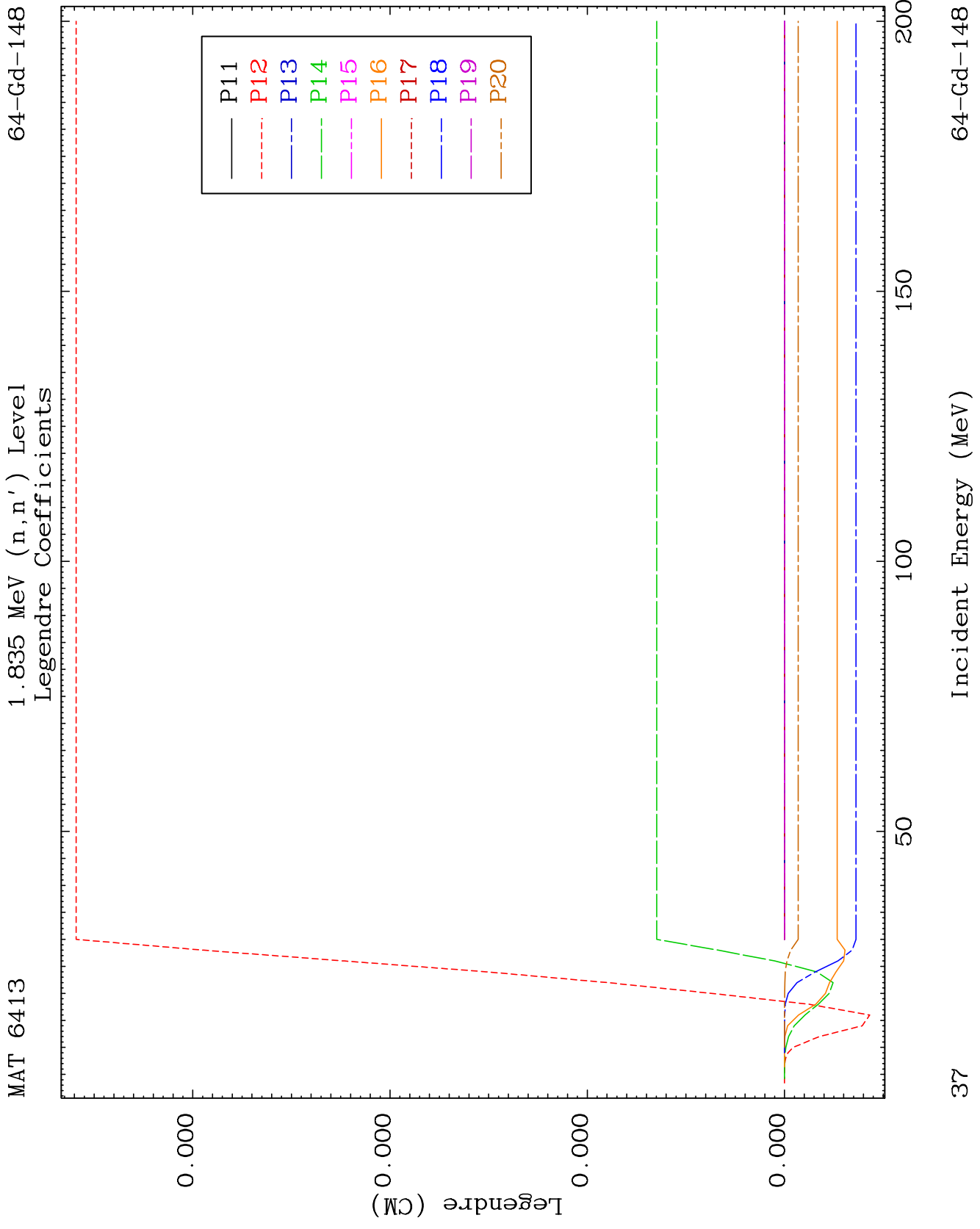
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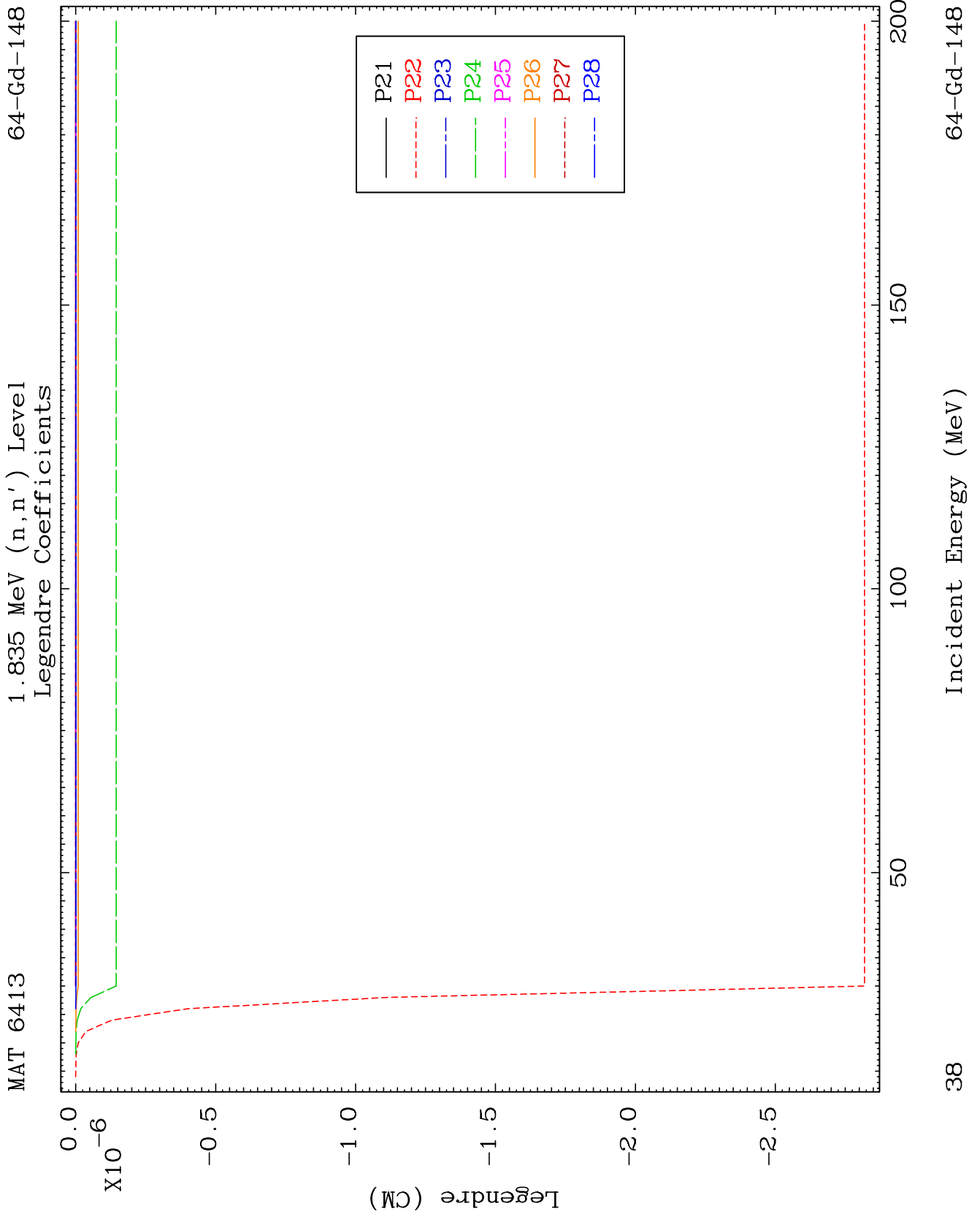


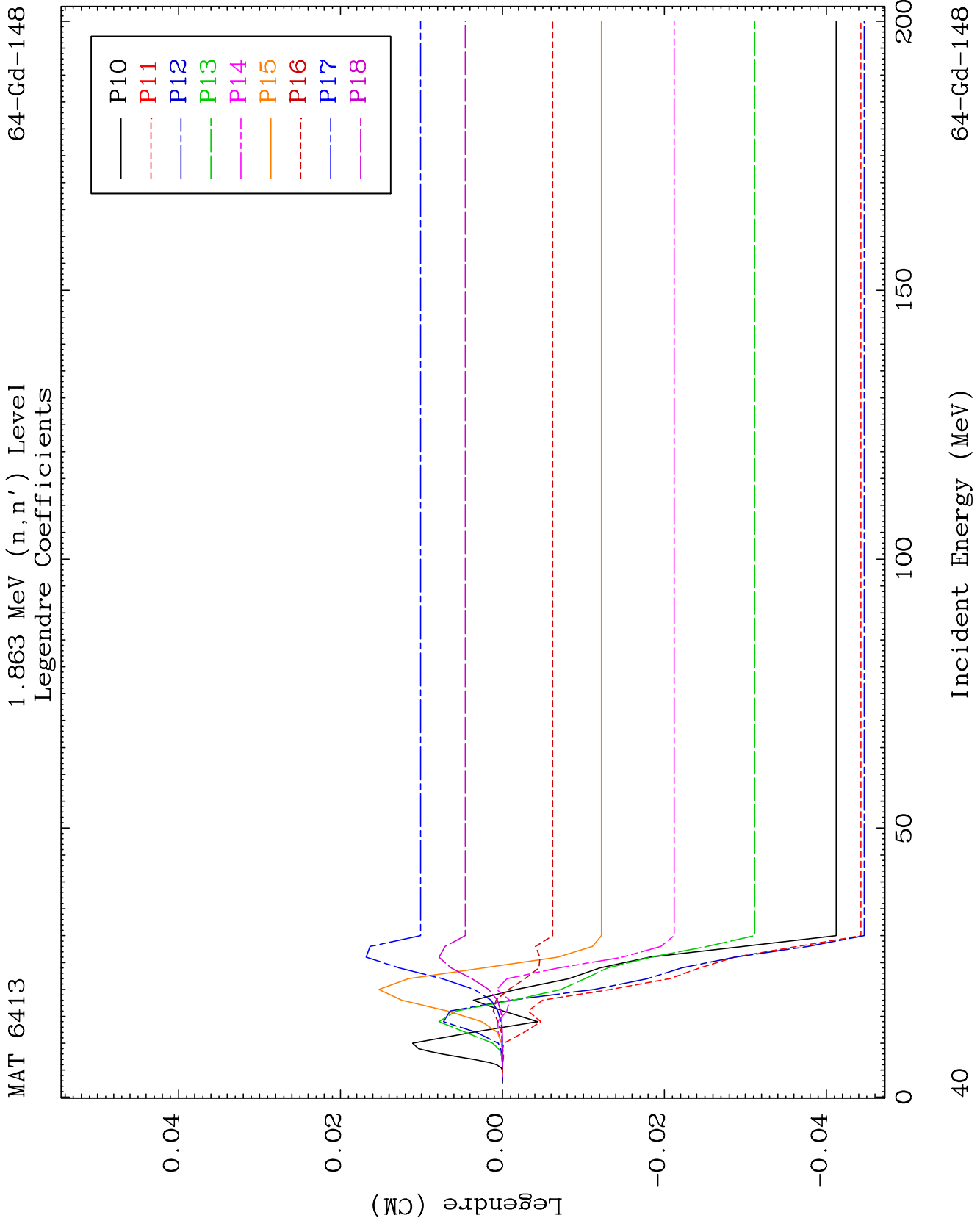








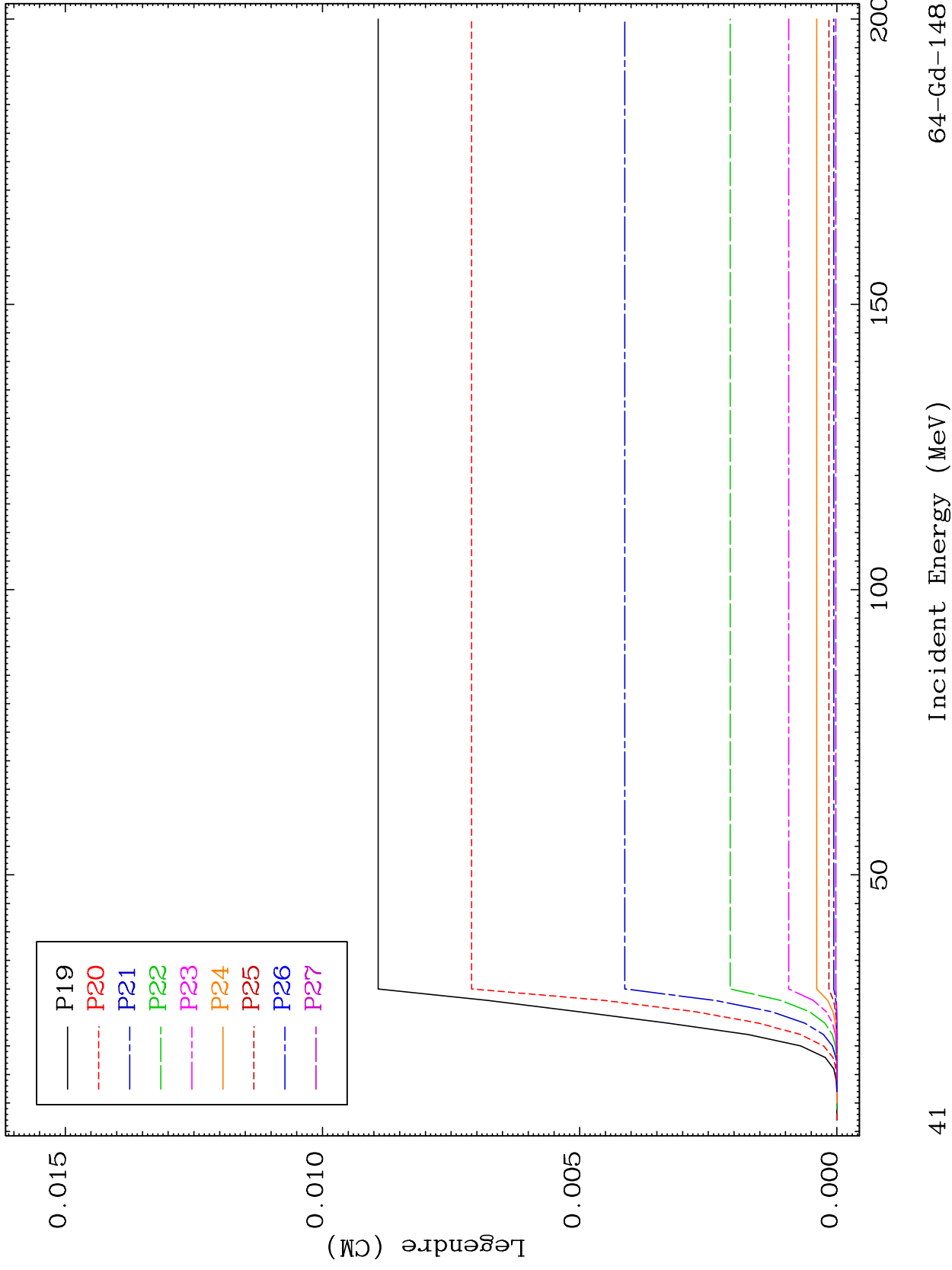




MAT 6413

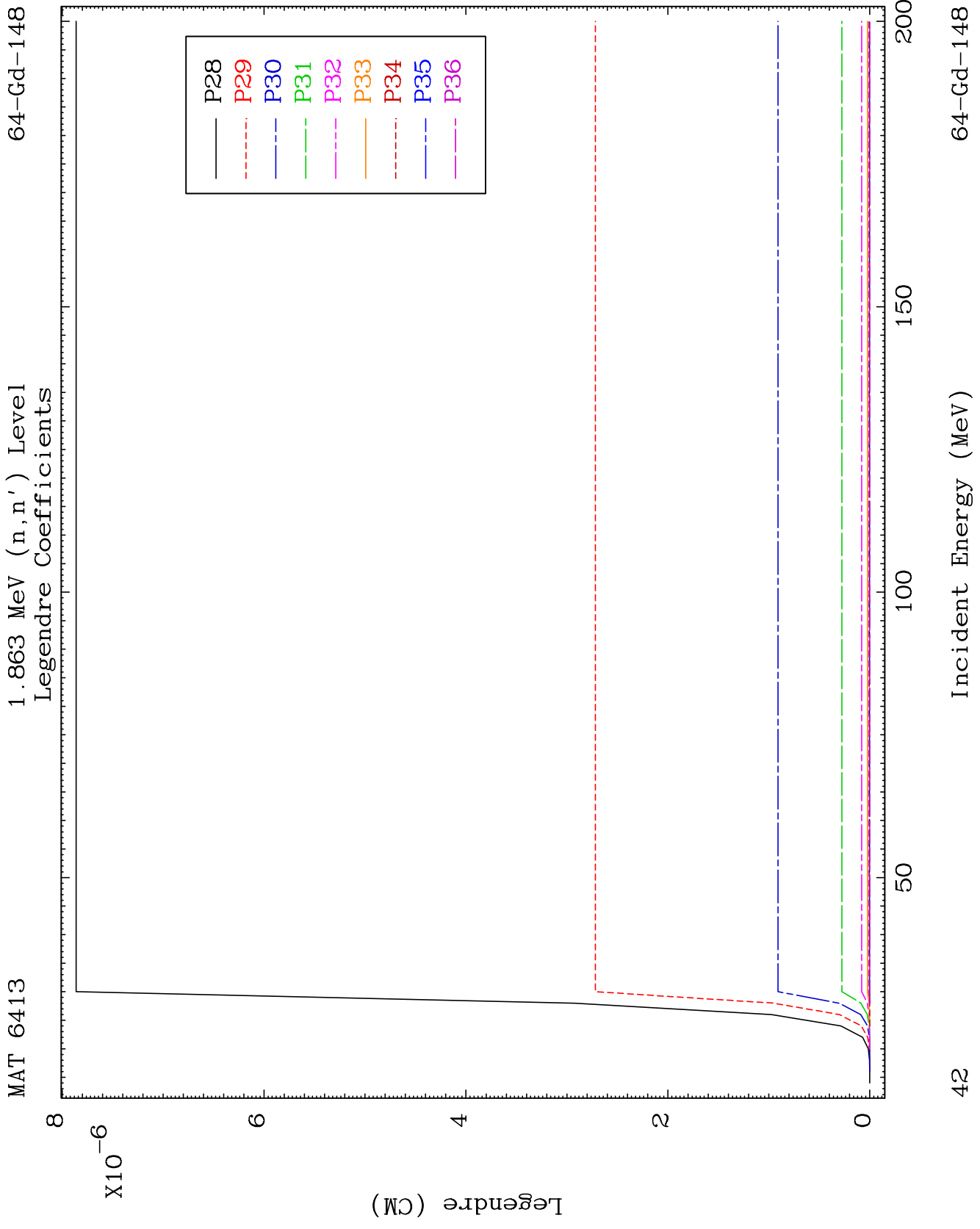
1.863 MeV (n,n') Level
Legendre Coefficients

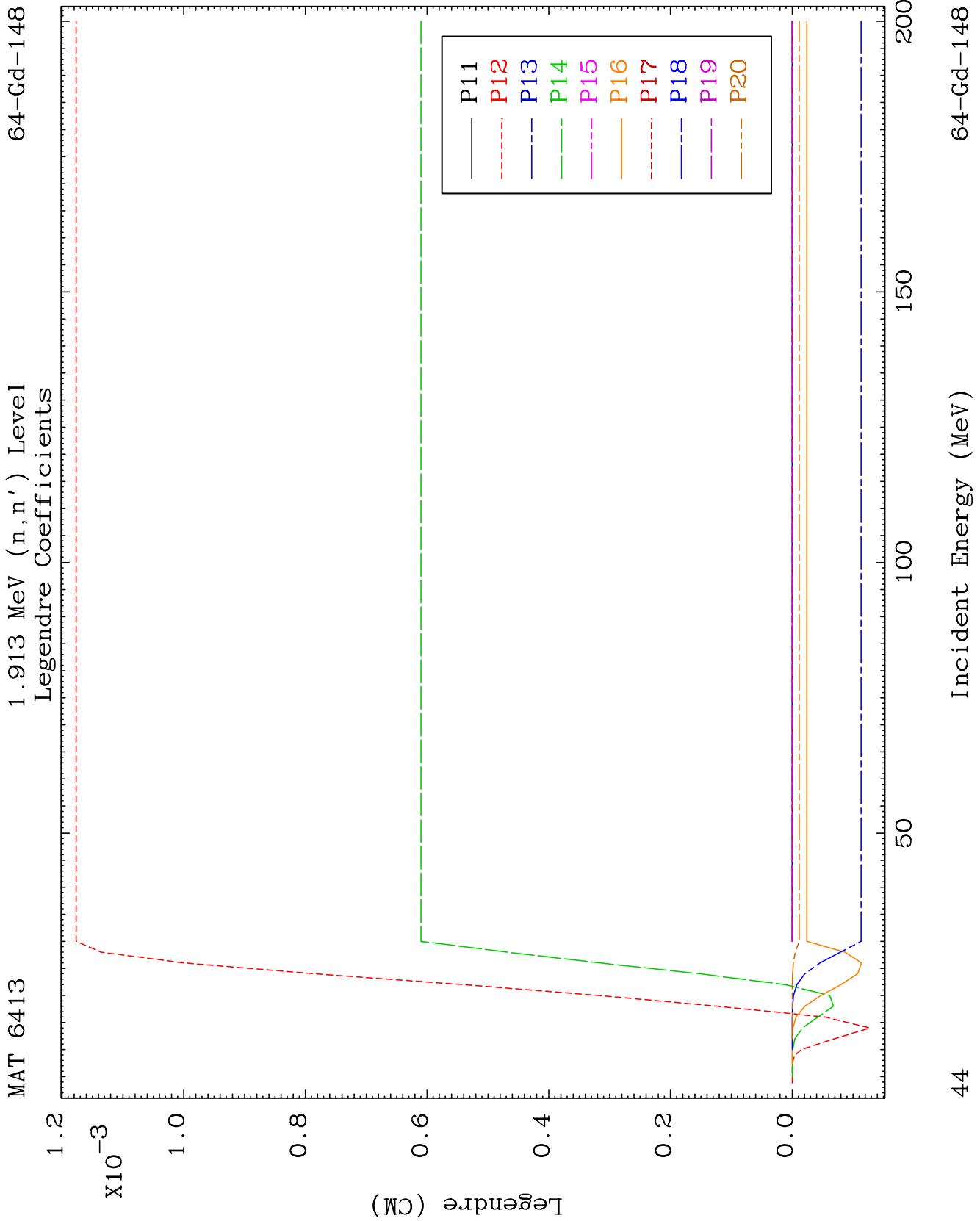
64-Gd-148

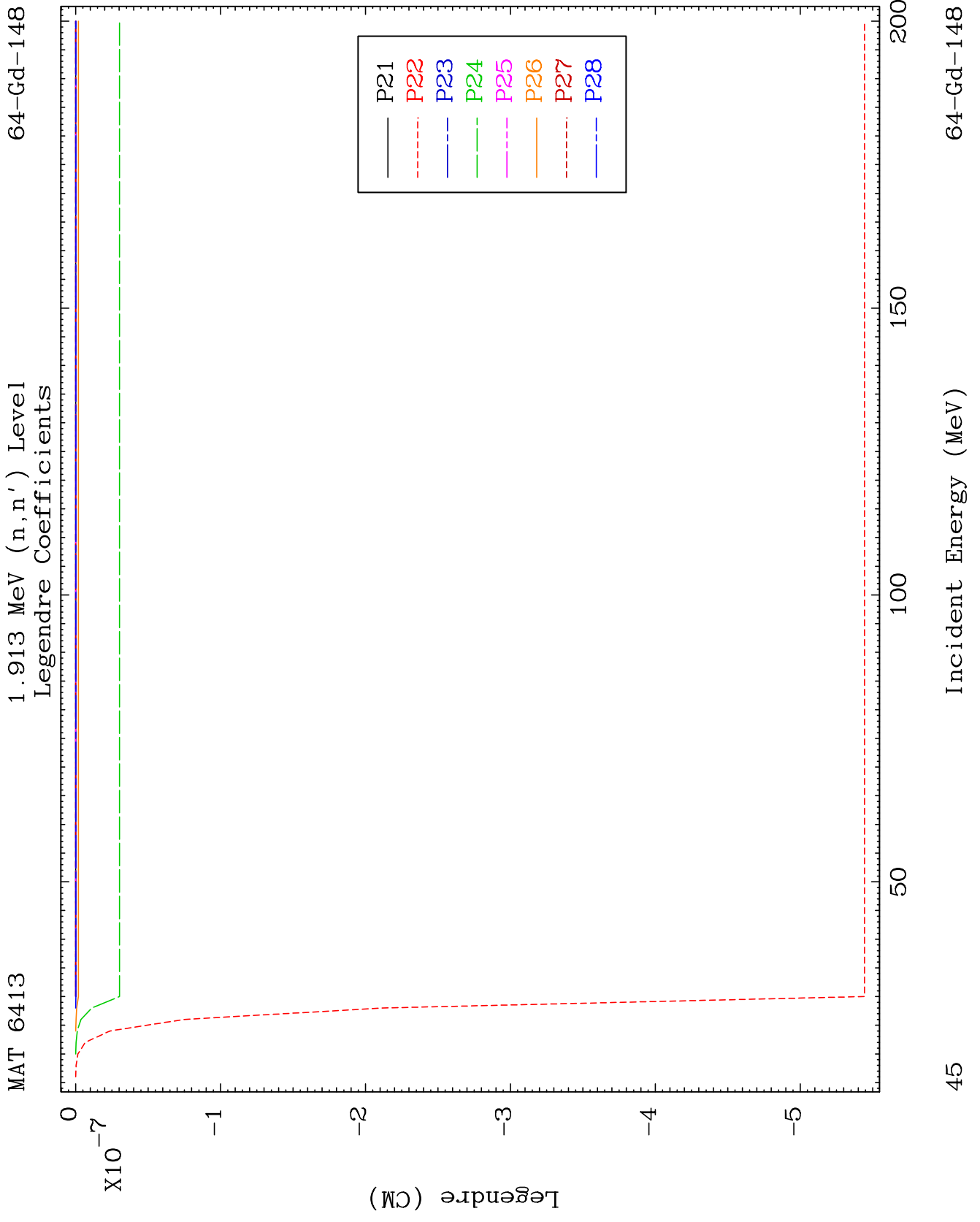


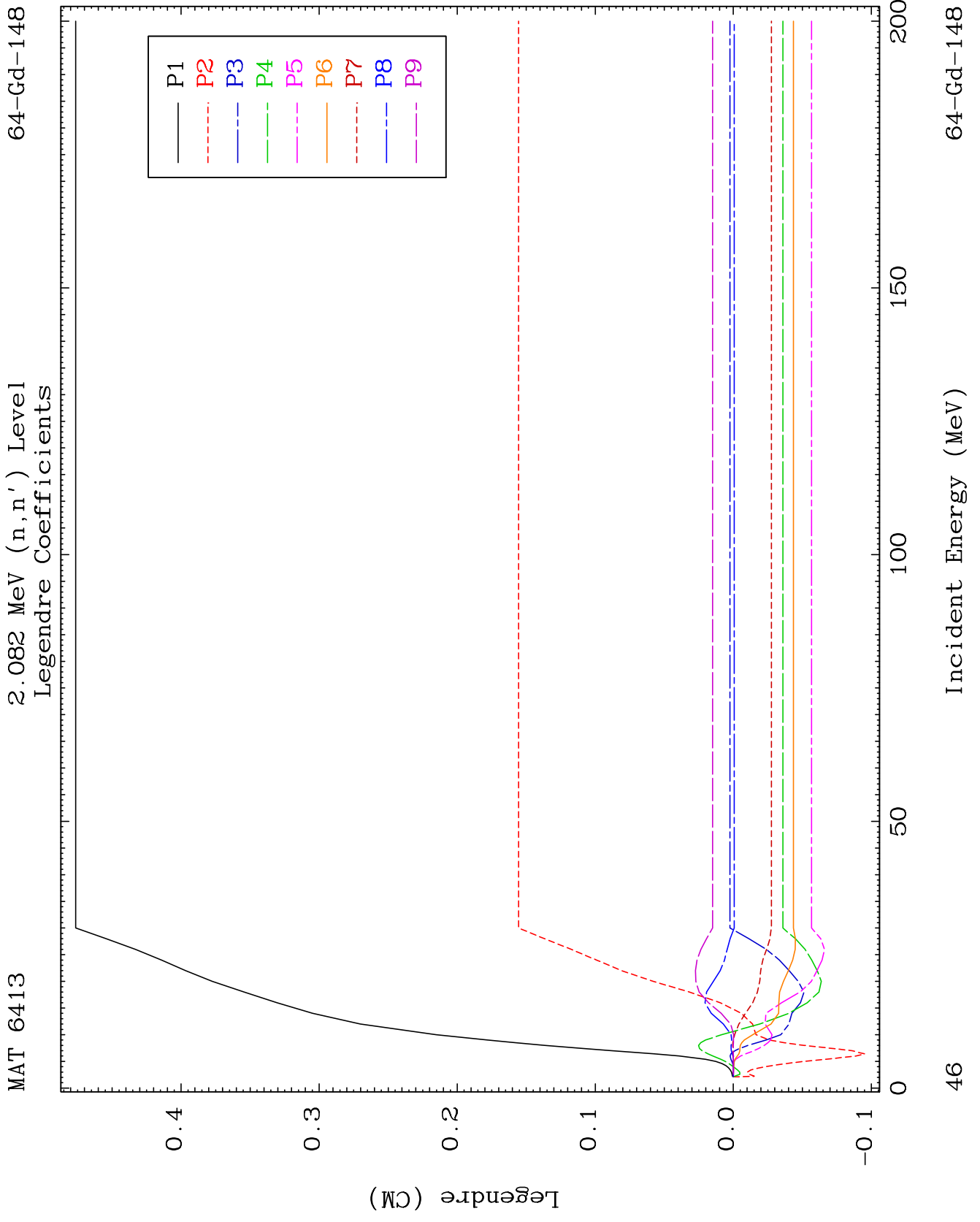
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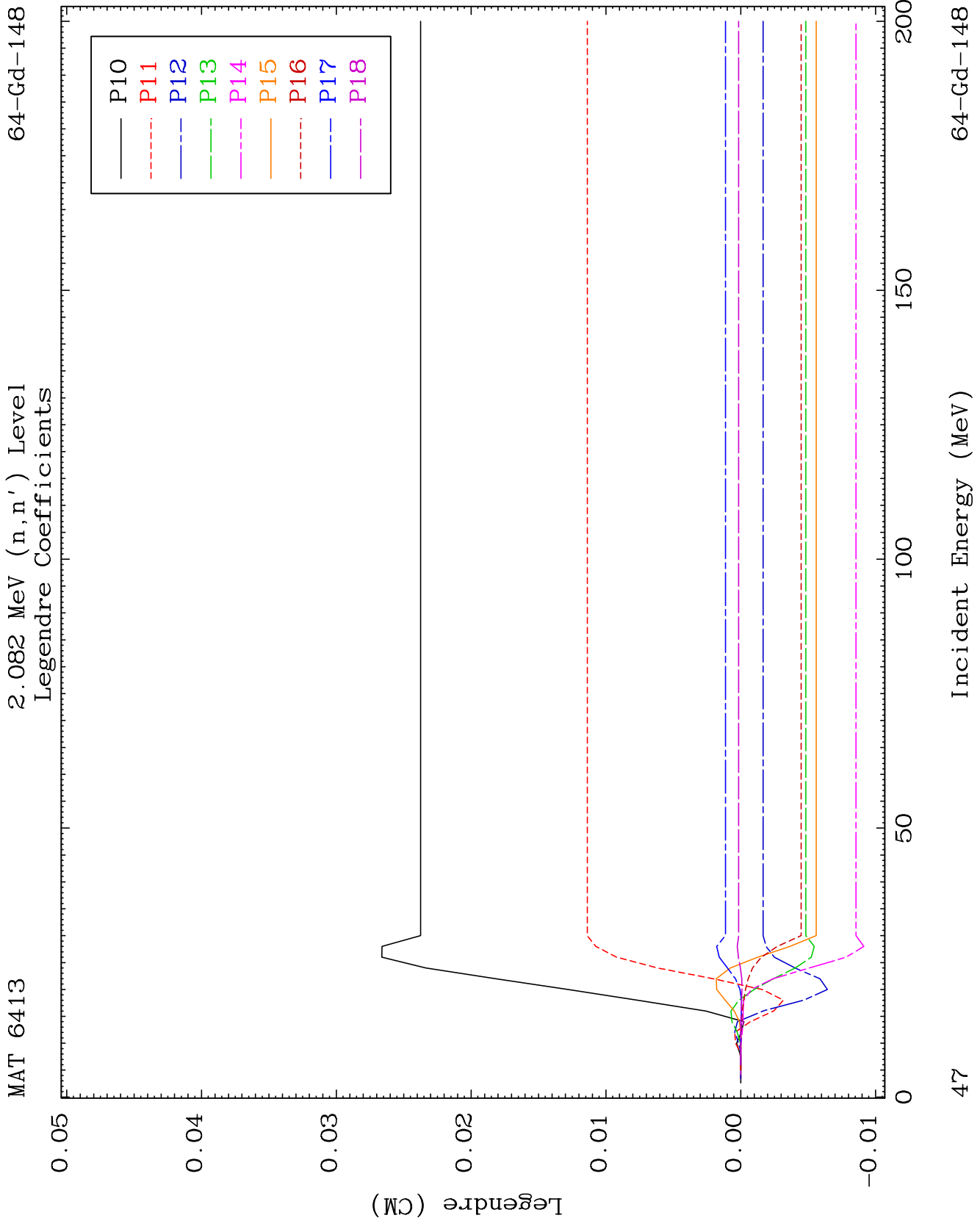
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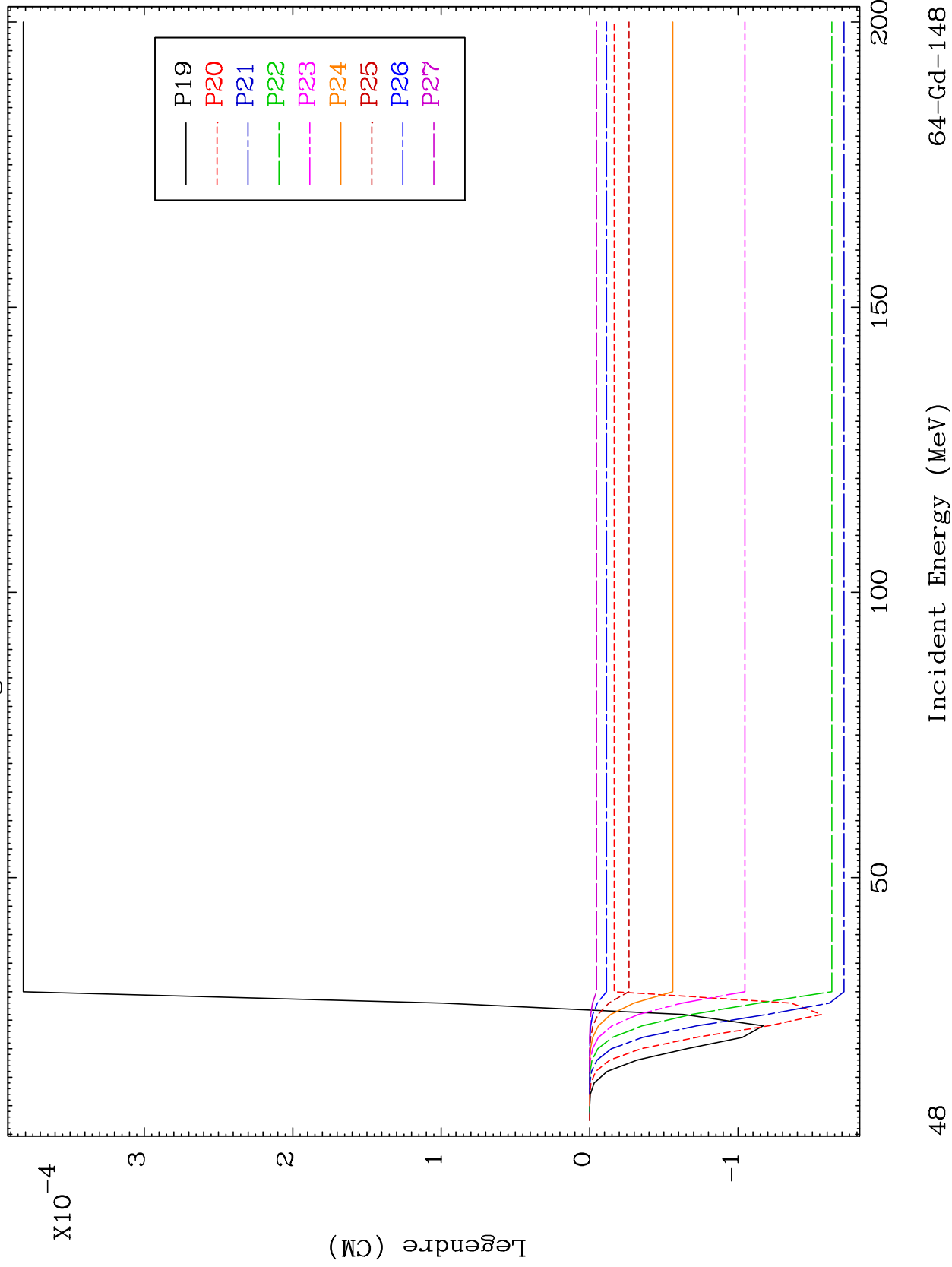


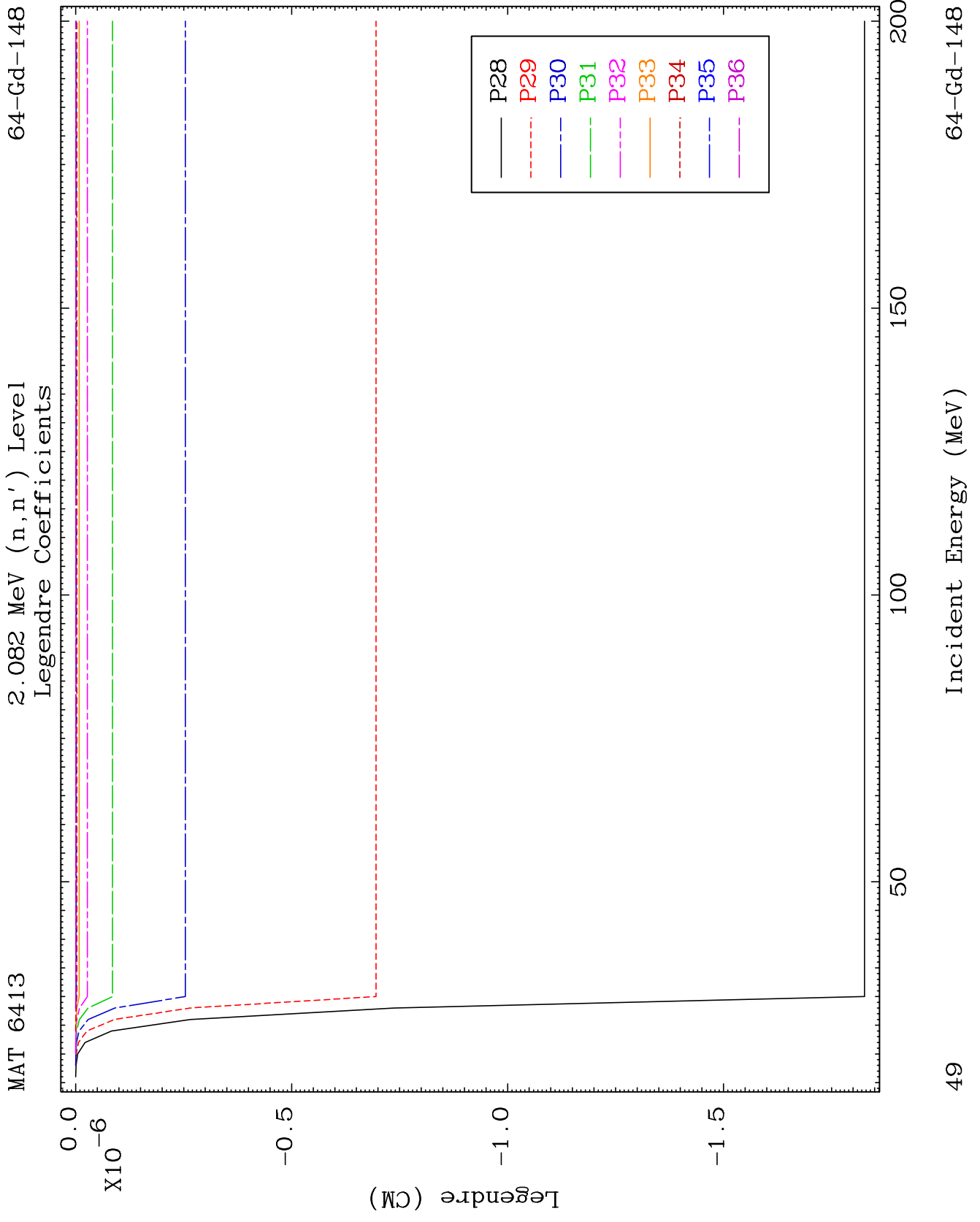


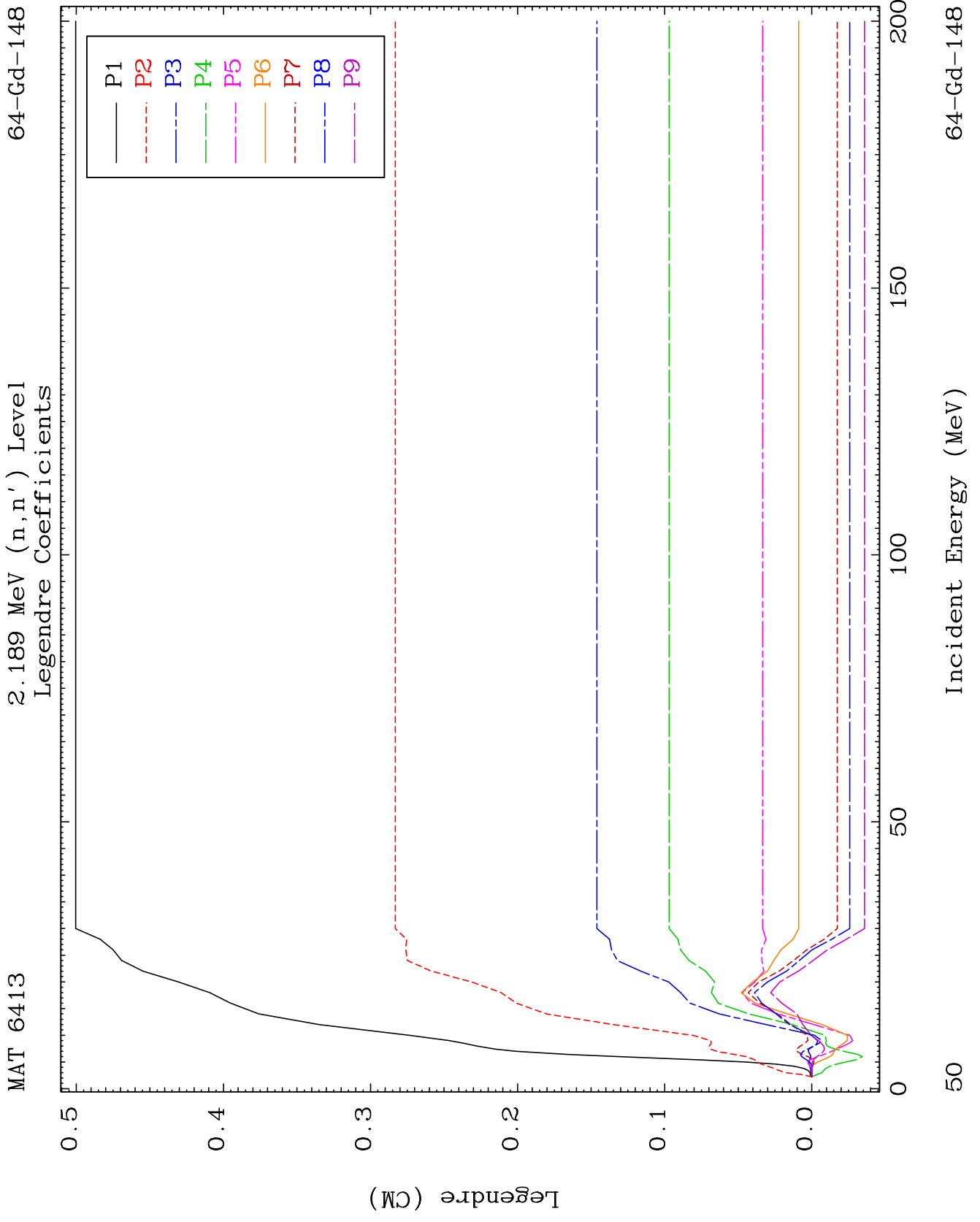
MAT 6413

2.082 MeV (n, n') Level
Legendre Coefficients

64-Gd-148



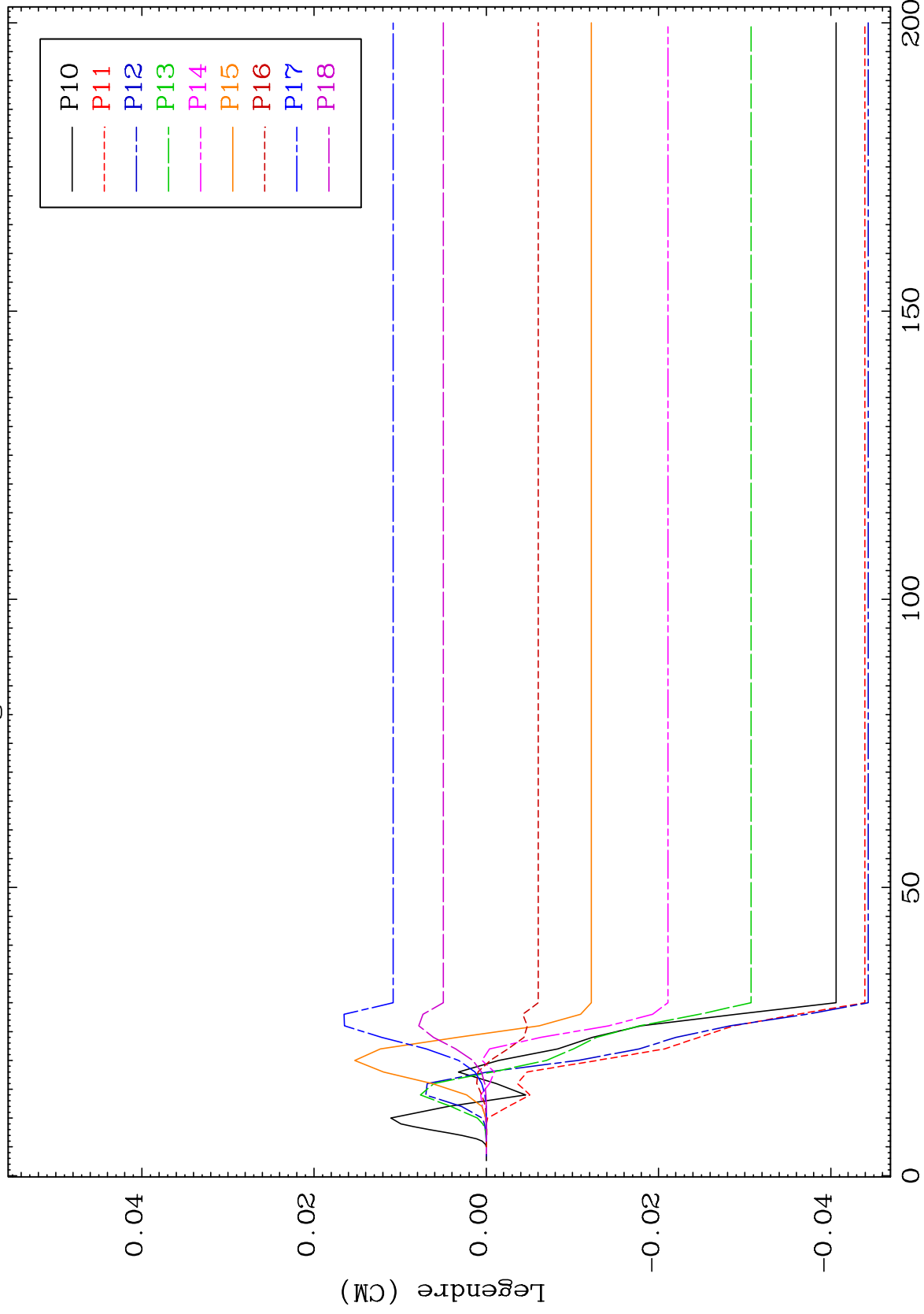




MAT 6413

2.189 MeV (n,n') Level
Legendre Coefficients

64-Gd-148



51

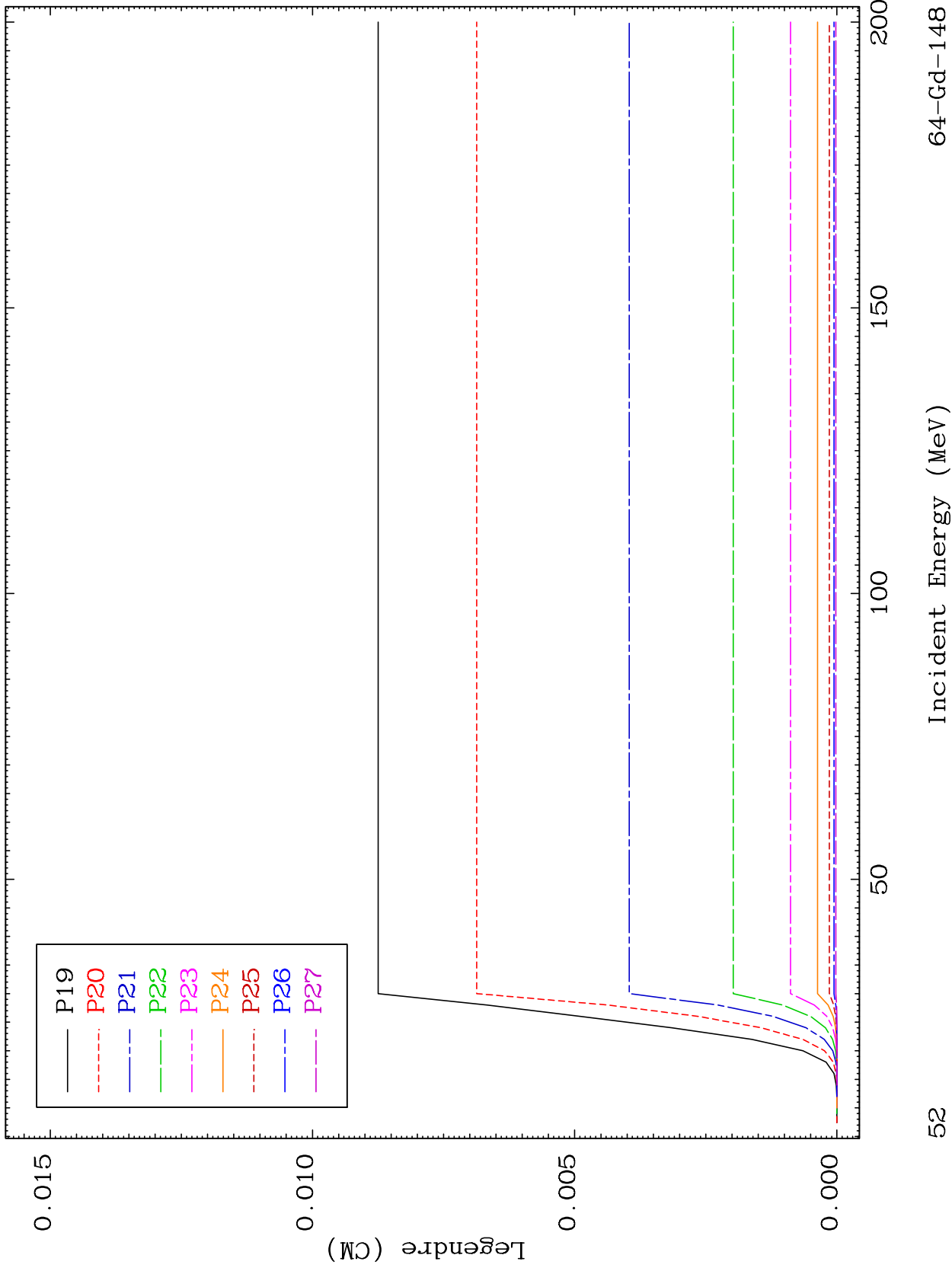
Incident Energy (MeV)

64-Gd-148

MAT 6413

2.189 MeV (n,n') Level
Legendre Coefficients

64-Gd-148



52

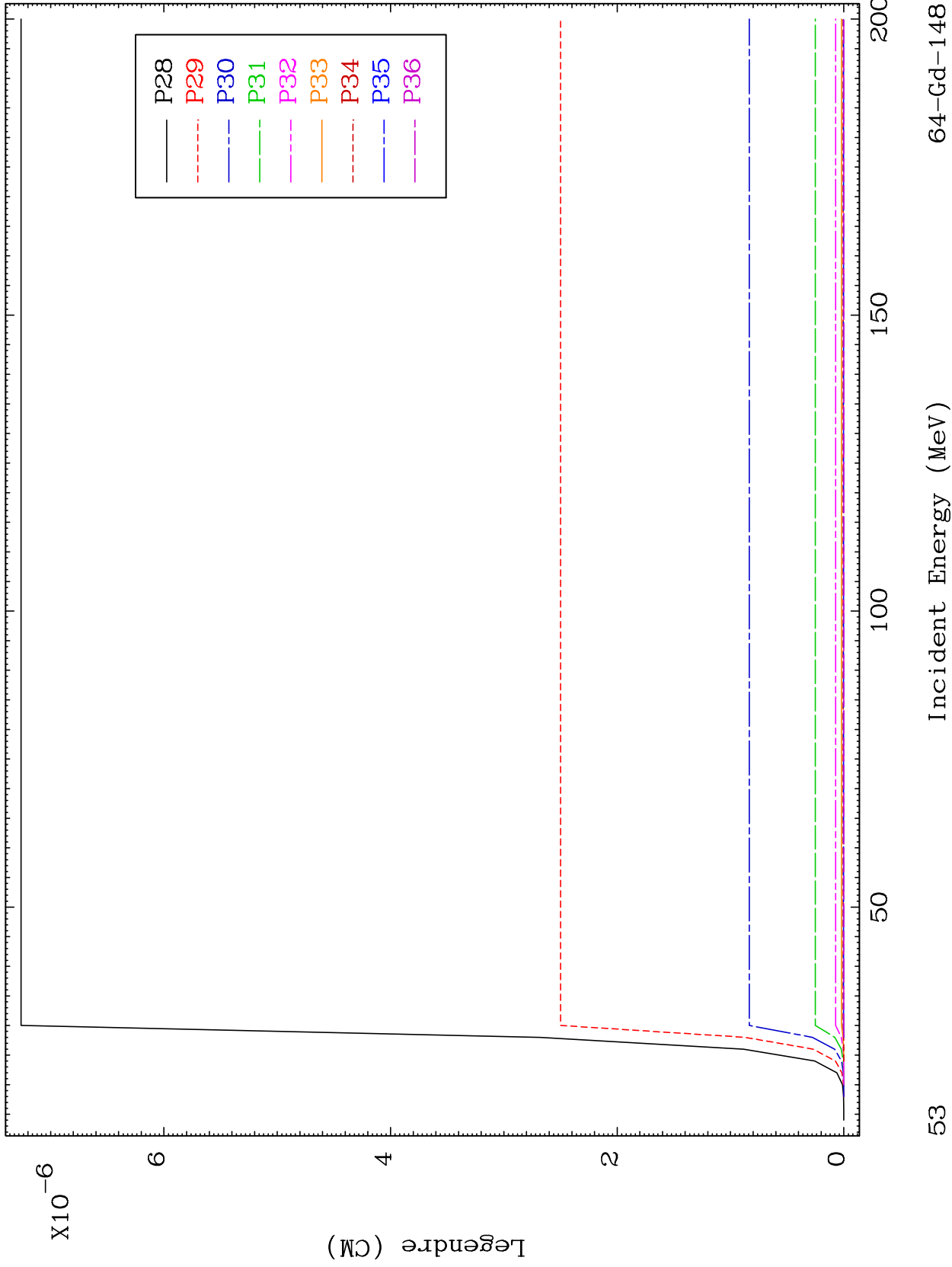
Incident Energy (MeV)

64-Gd-148

MAT 6413

2.189 MeV (n, n') Level
Legendre Coefficients

64-Gd-148



53

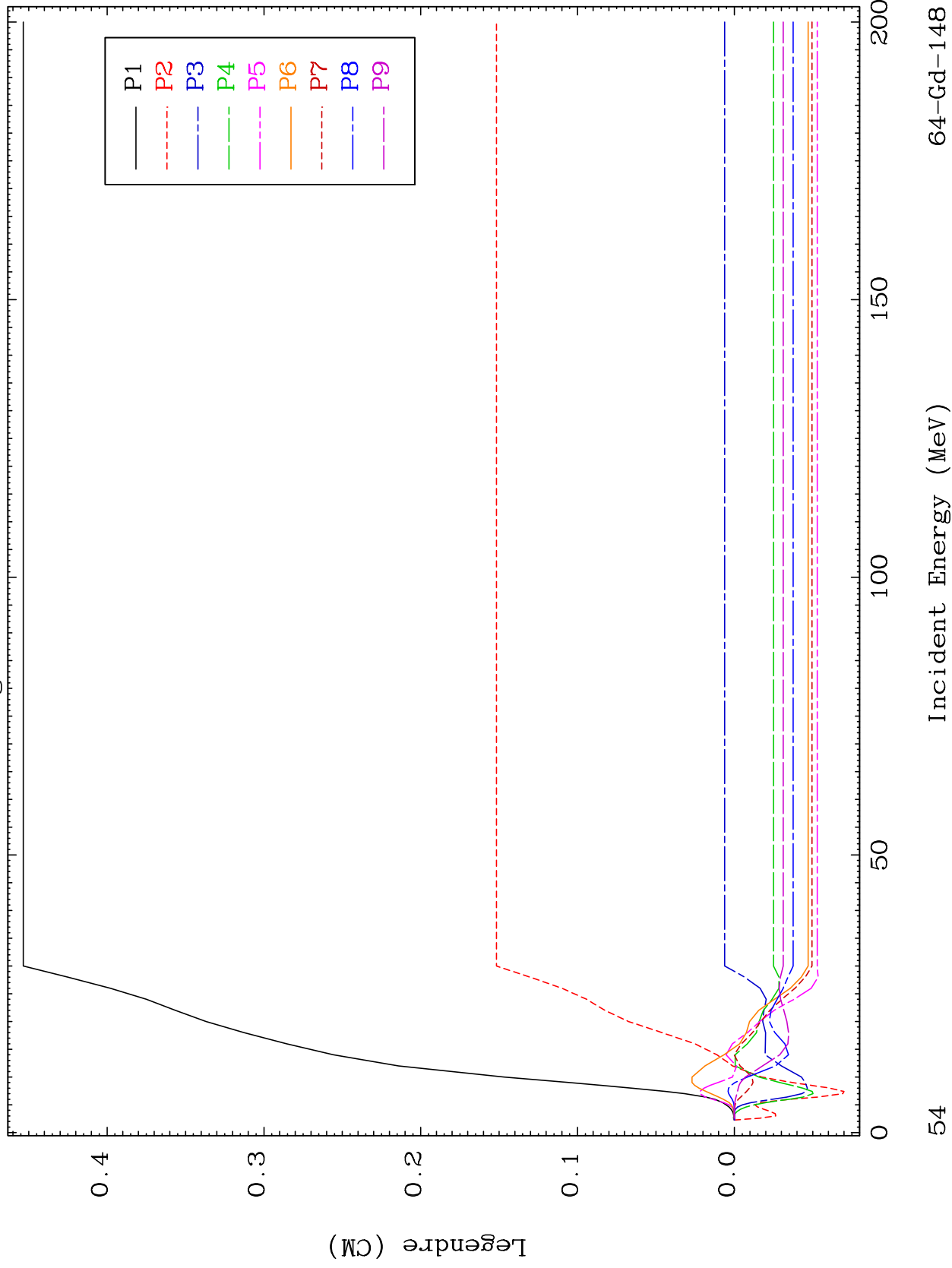
Incident Energy (MeV)

64-Gd-148

MAT 6413

2.234 MeV (n,n') Level
Legendre Coefficients

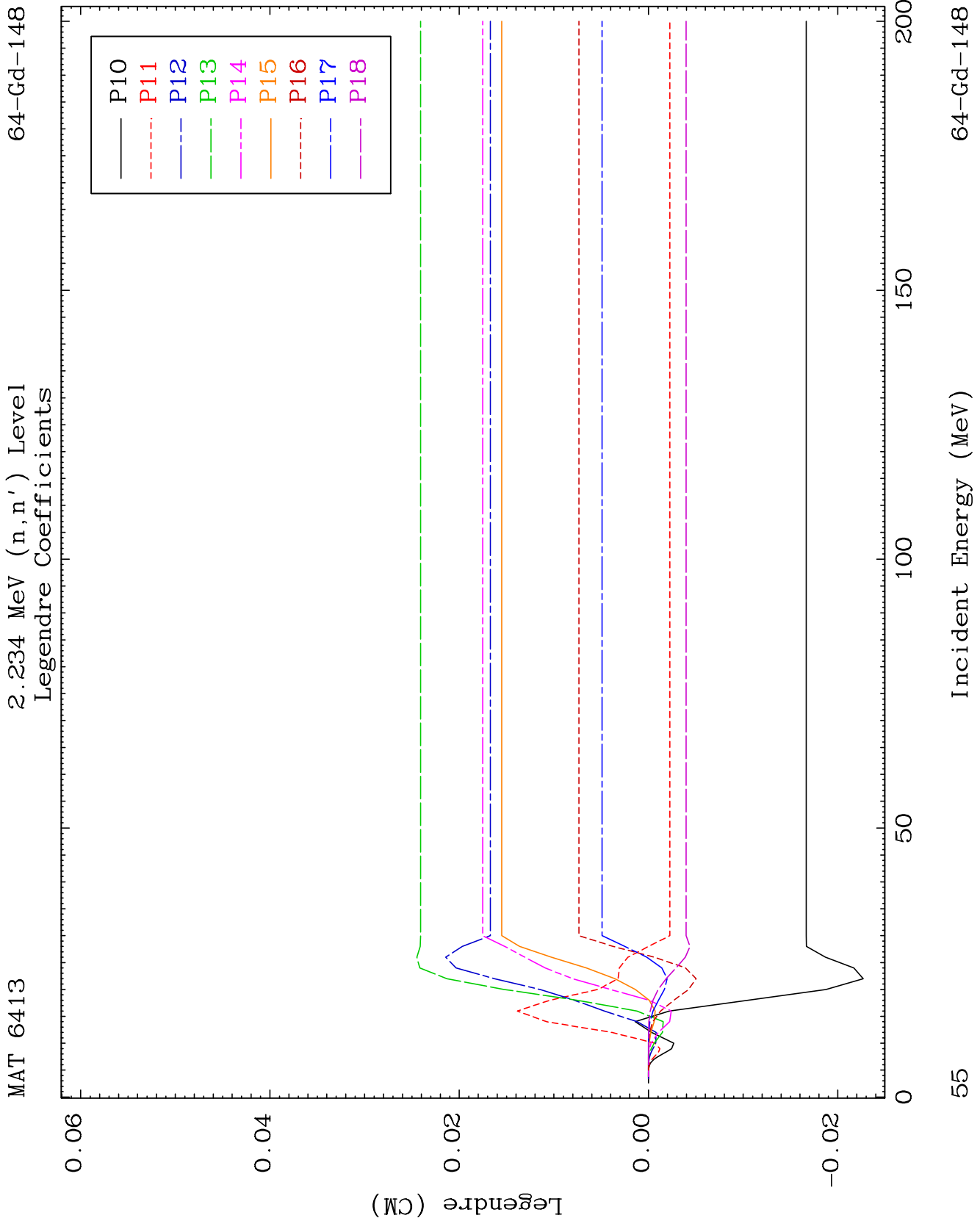
64-Gd-148



64-Gd-148

Incident Energy (MeV)

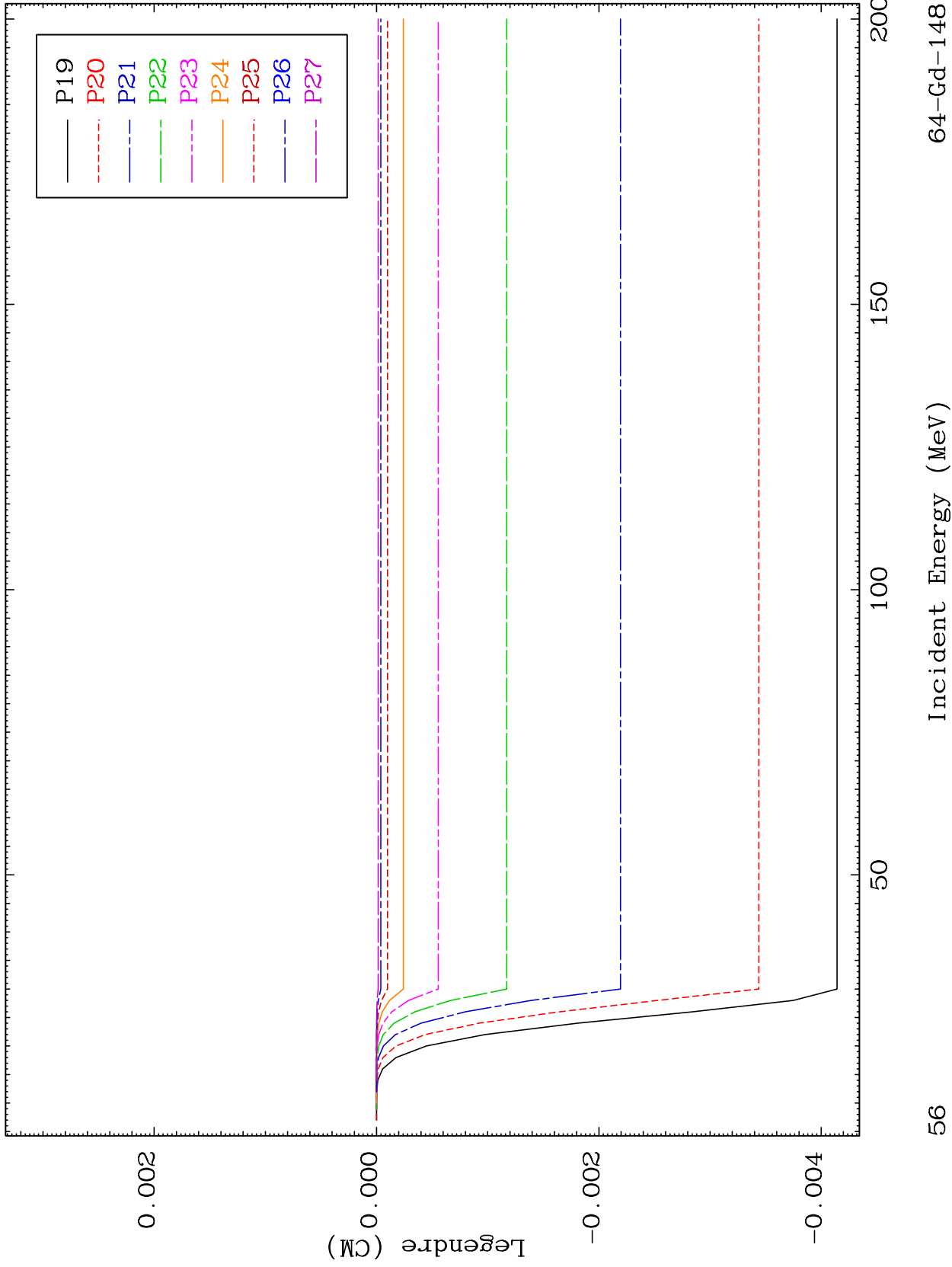
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MAT 6413

2.234 MeV (n,n') Level
Legendre Coefficients

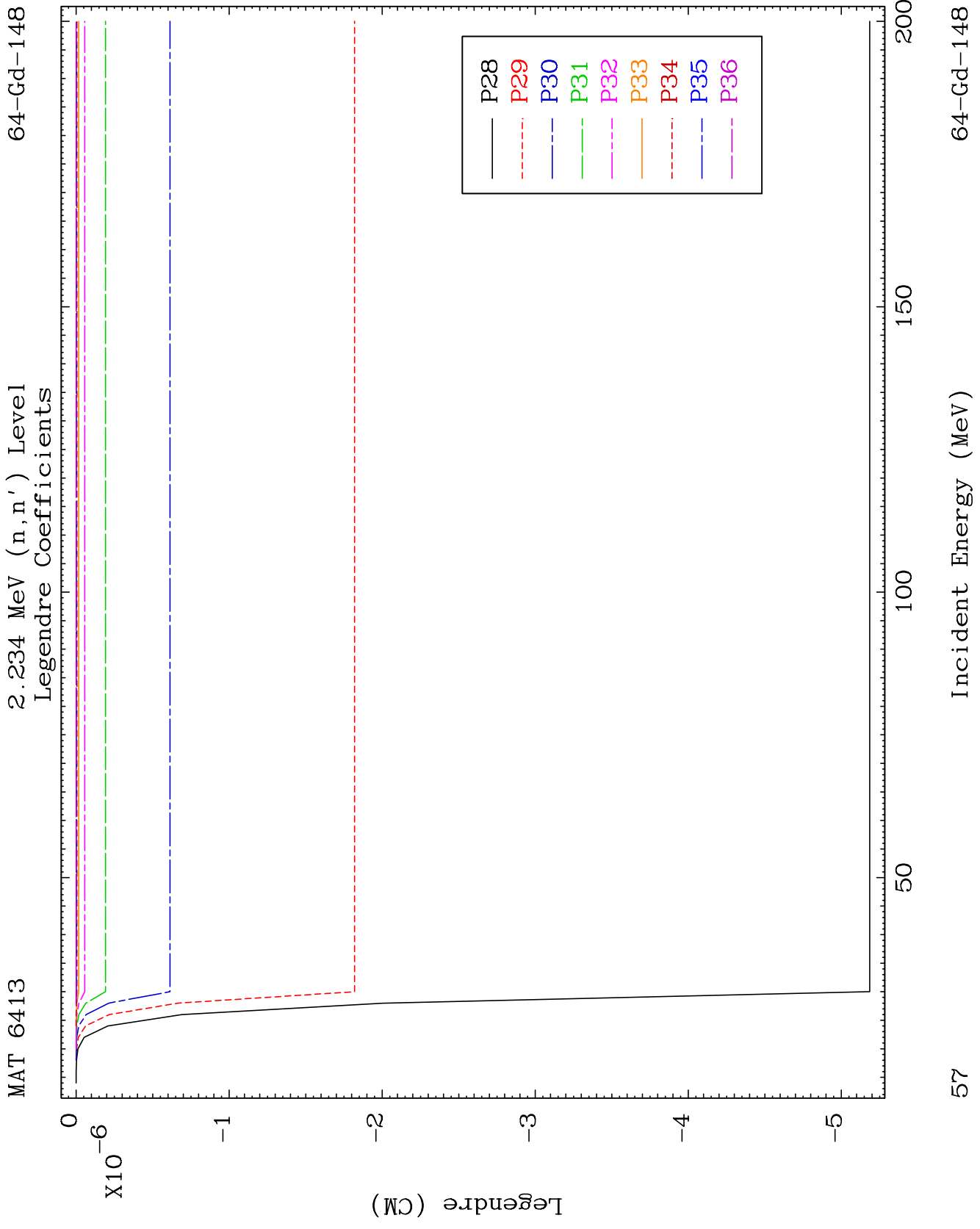
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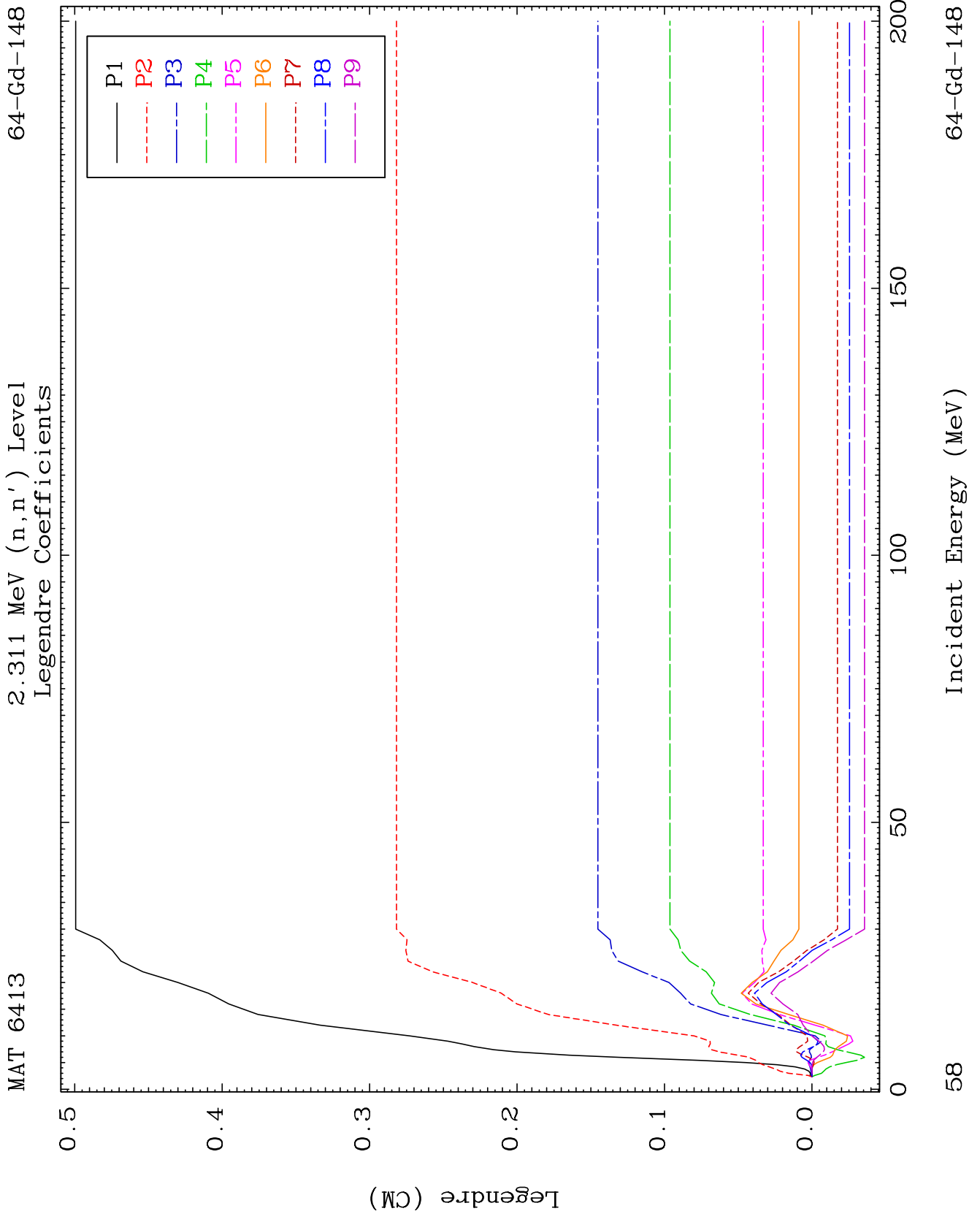


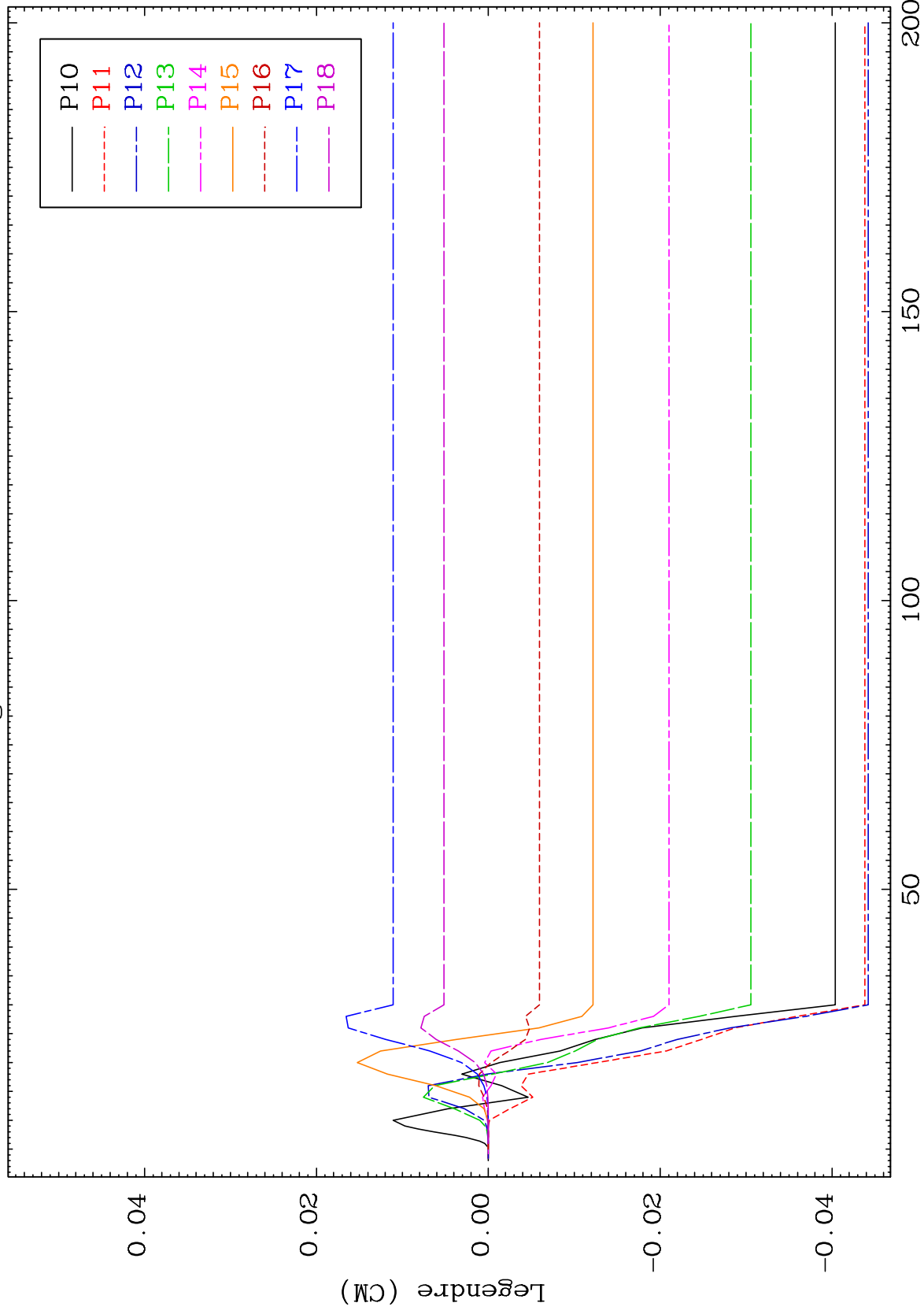
56

Incident Energy (MeV)

64-Gd-148



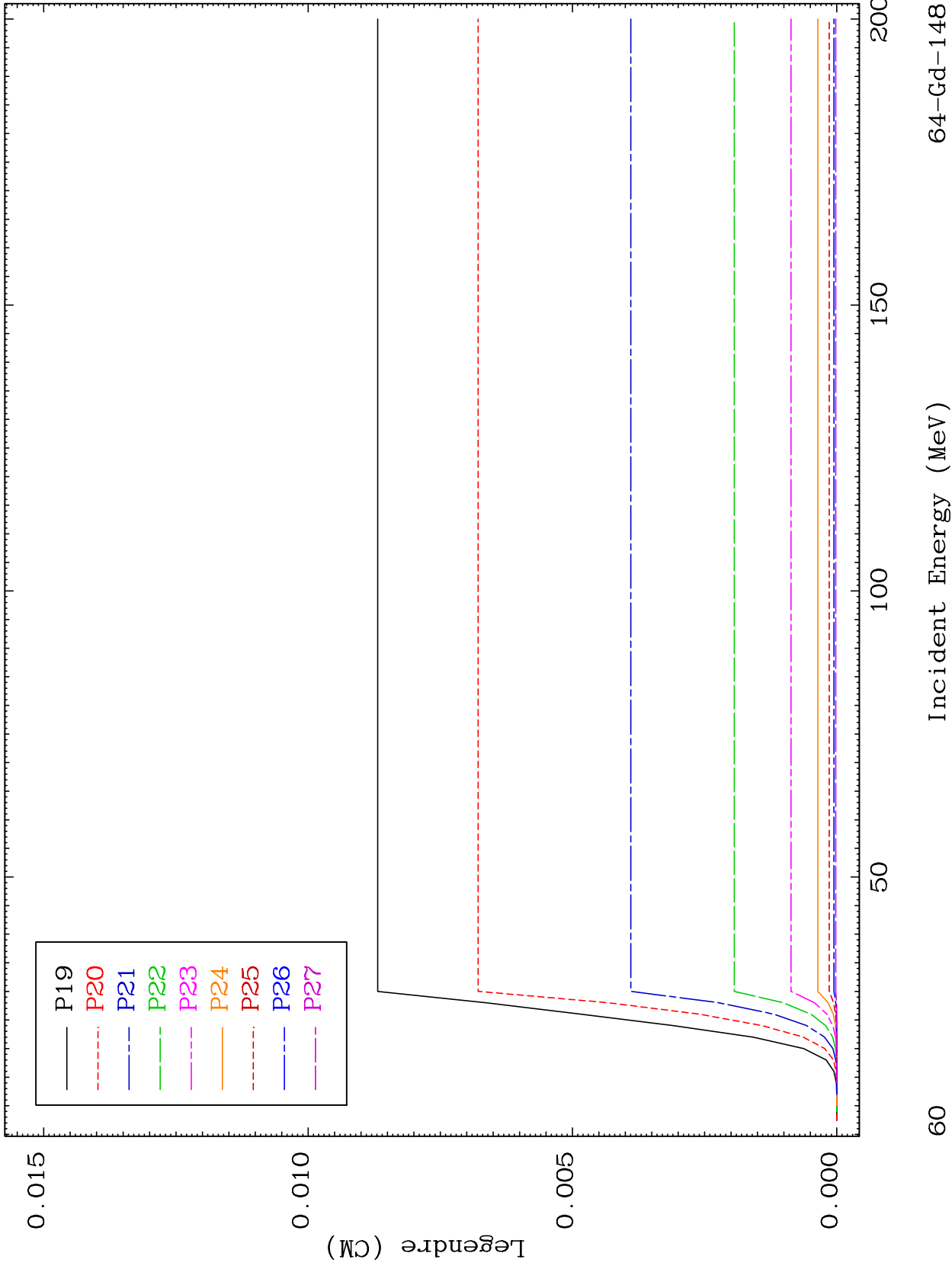




MAT 6413

2.311 MeV (n,n') Level
Legendre Coefficients

64-Gd-148



60

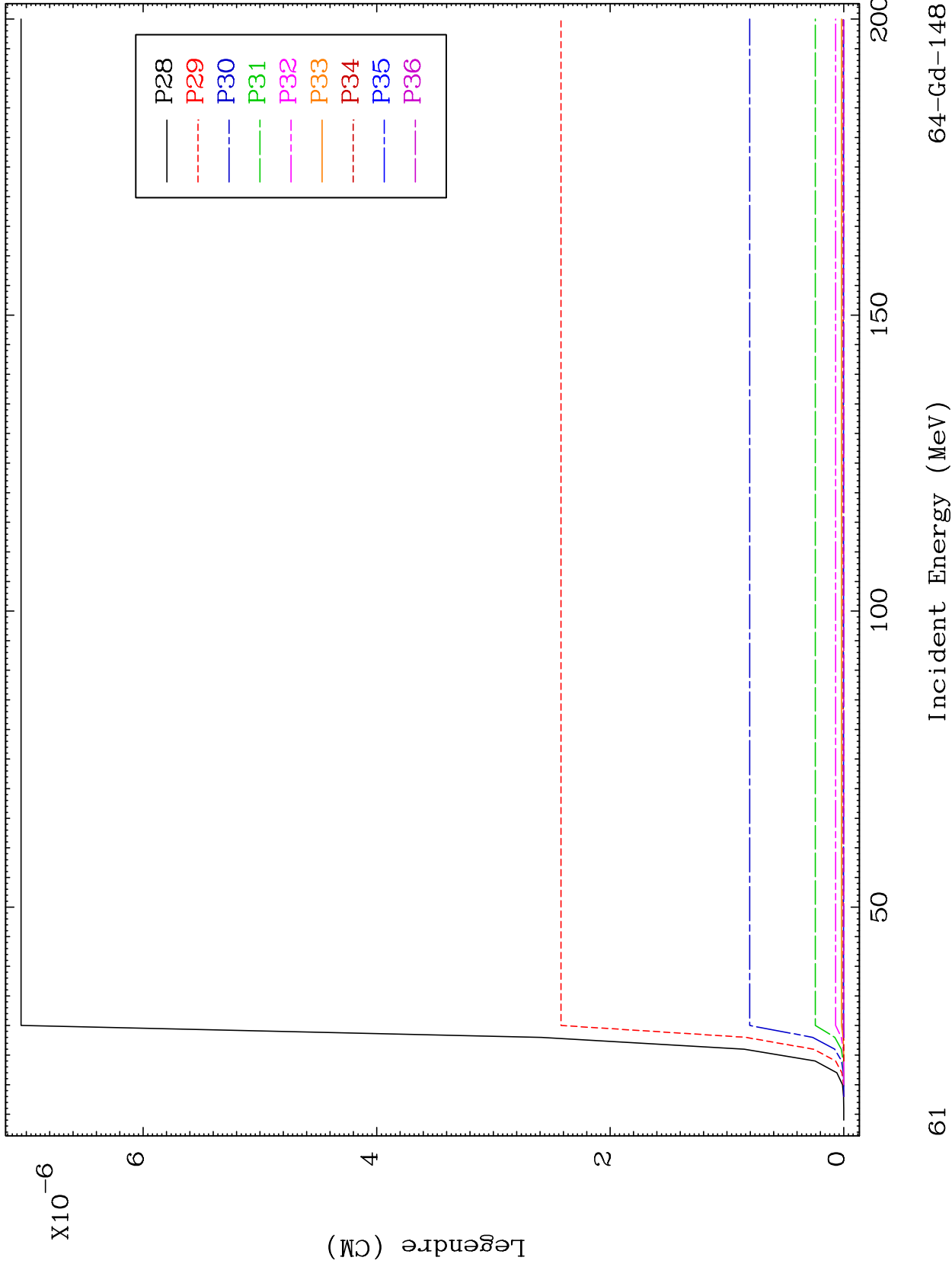
Incident Energy (MeV)

64-Gd-148

MAT 6413

2.311 MeV (n, n') Level
Legendre Coefficients

64-Gd-148



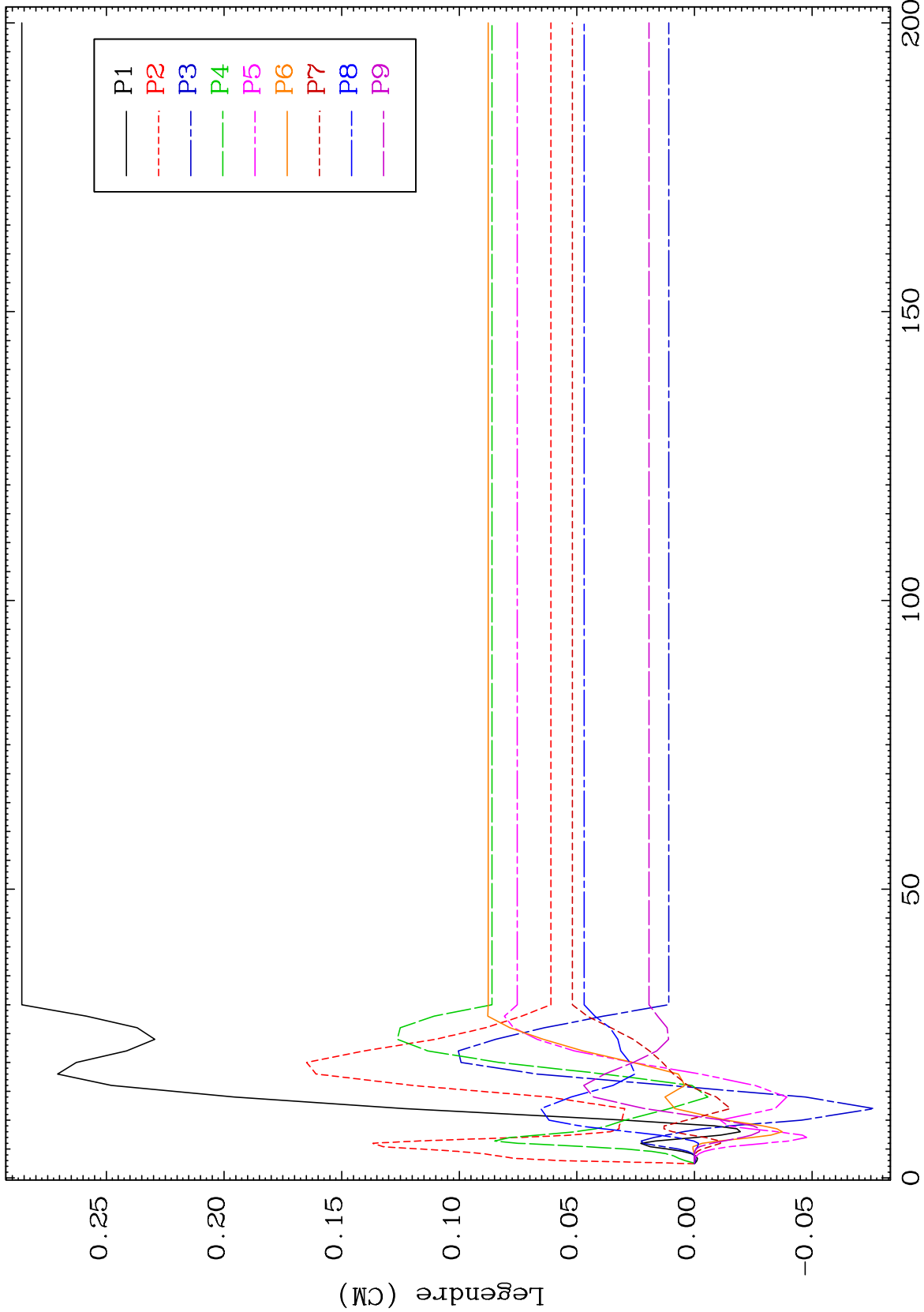
61

64-Gd-148

MAT 6413

2.424 MeV (n,n') Level
Legendre Coefficients

64-Gd-148



62

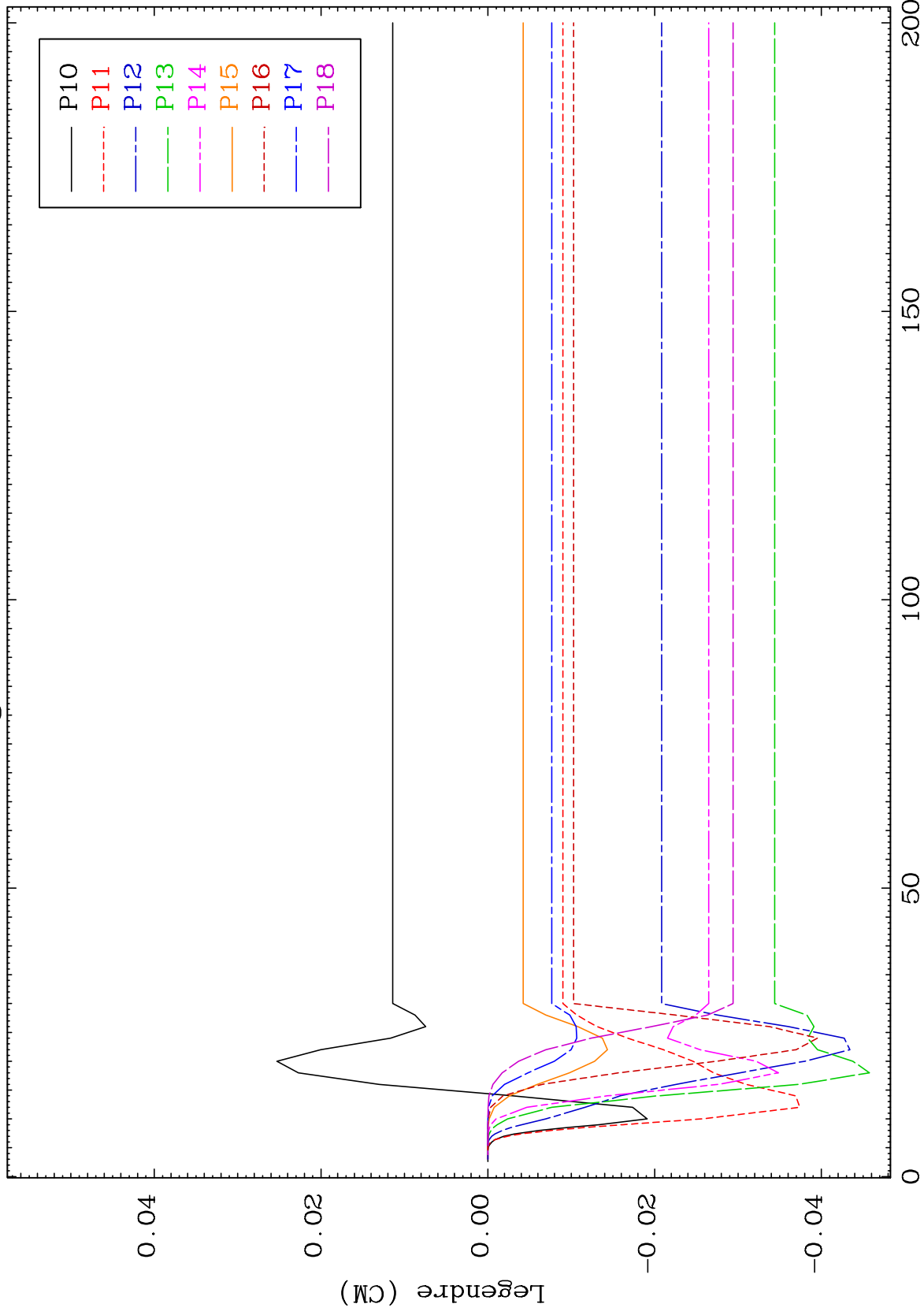
Incident Energy (MeV)

64-Gd-148

MAT 6413

2.424 MeV (n,n') Level
Legendre Coefficients

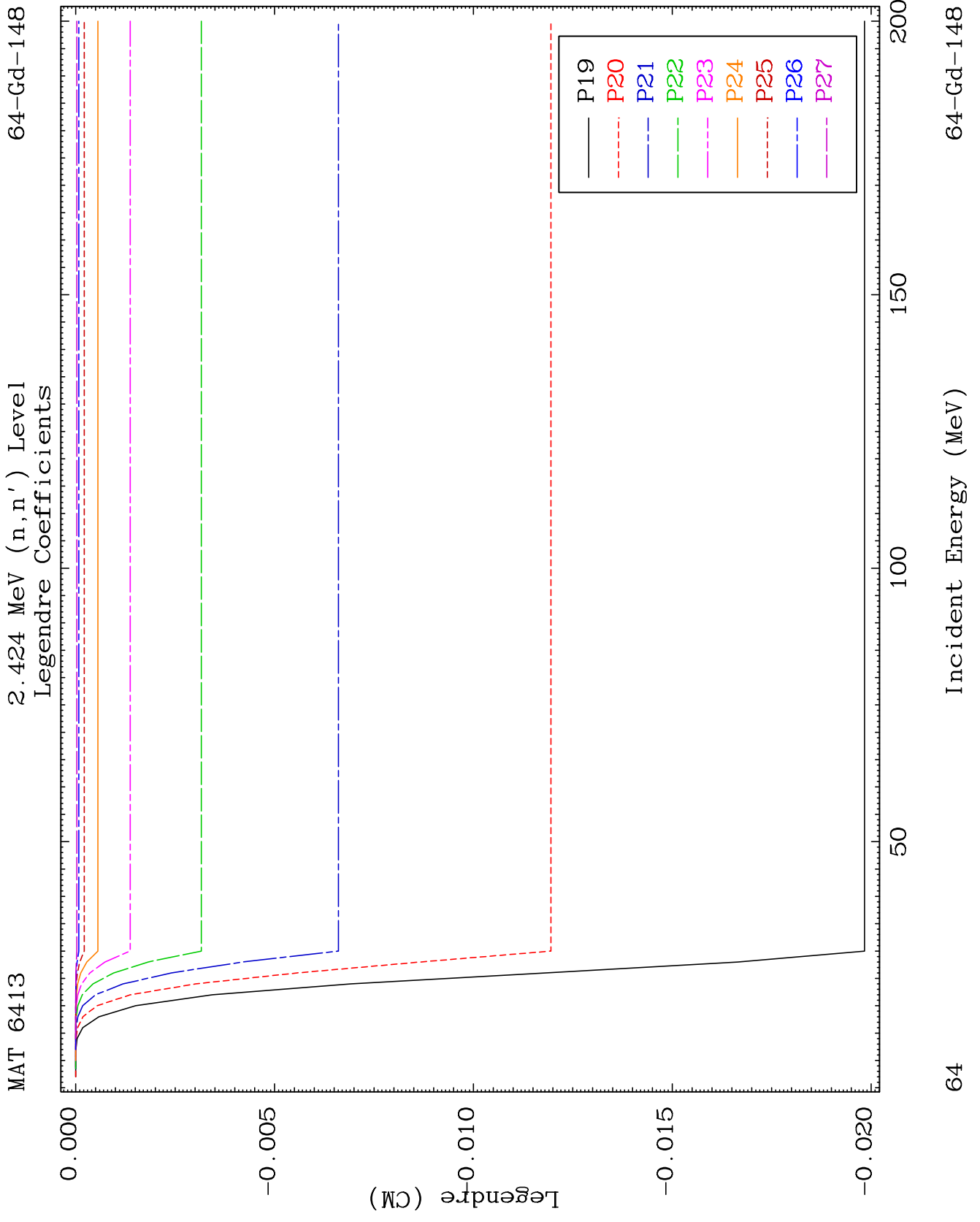
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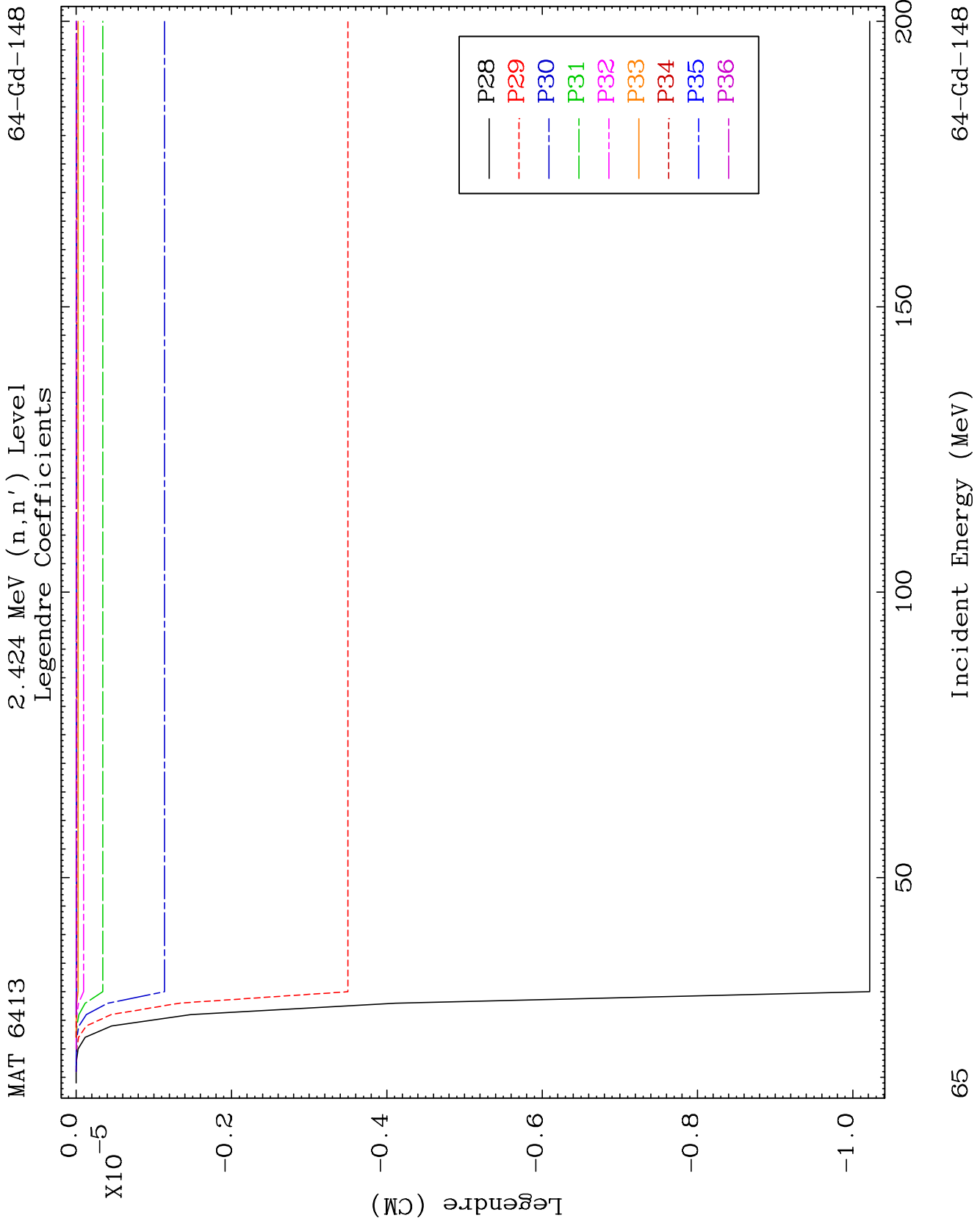


63

Incident Energy (MeV)

64-Gd-148



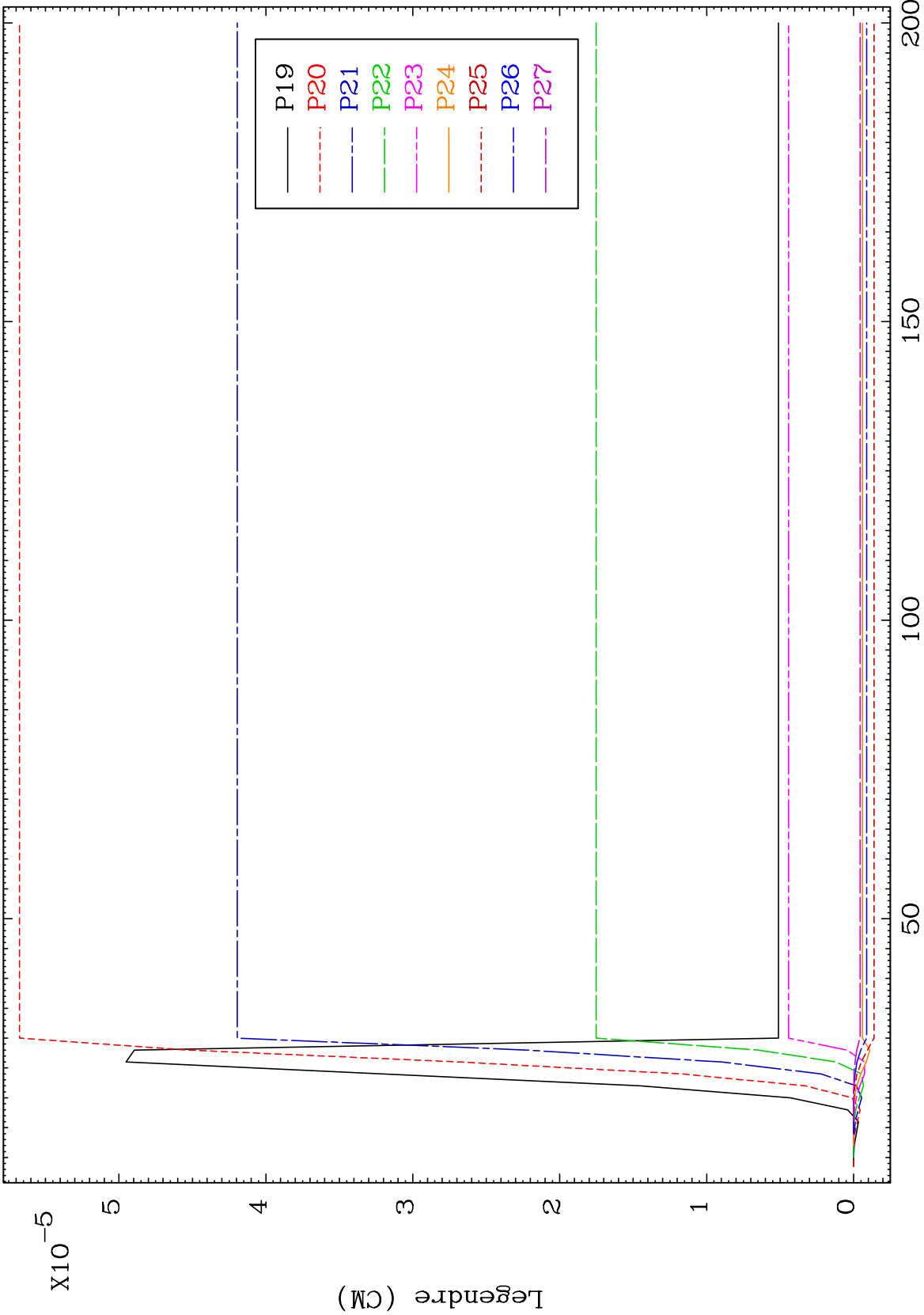


MAT 6413

2.504 MeV (n,n') Level

64-Gd-148

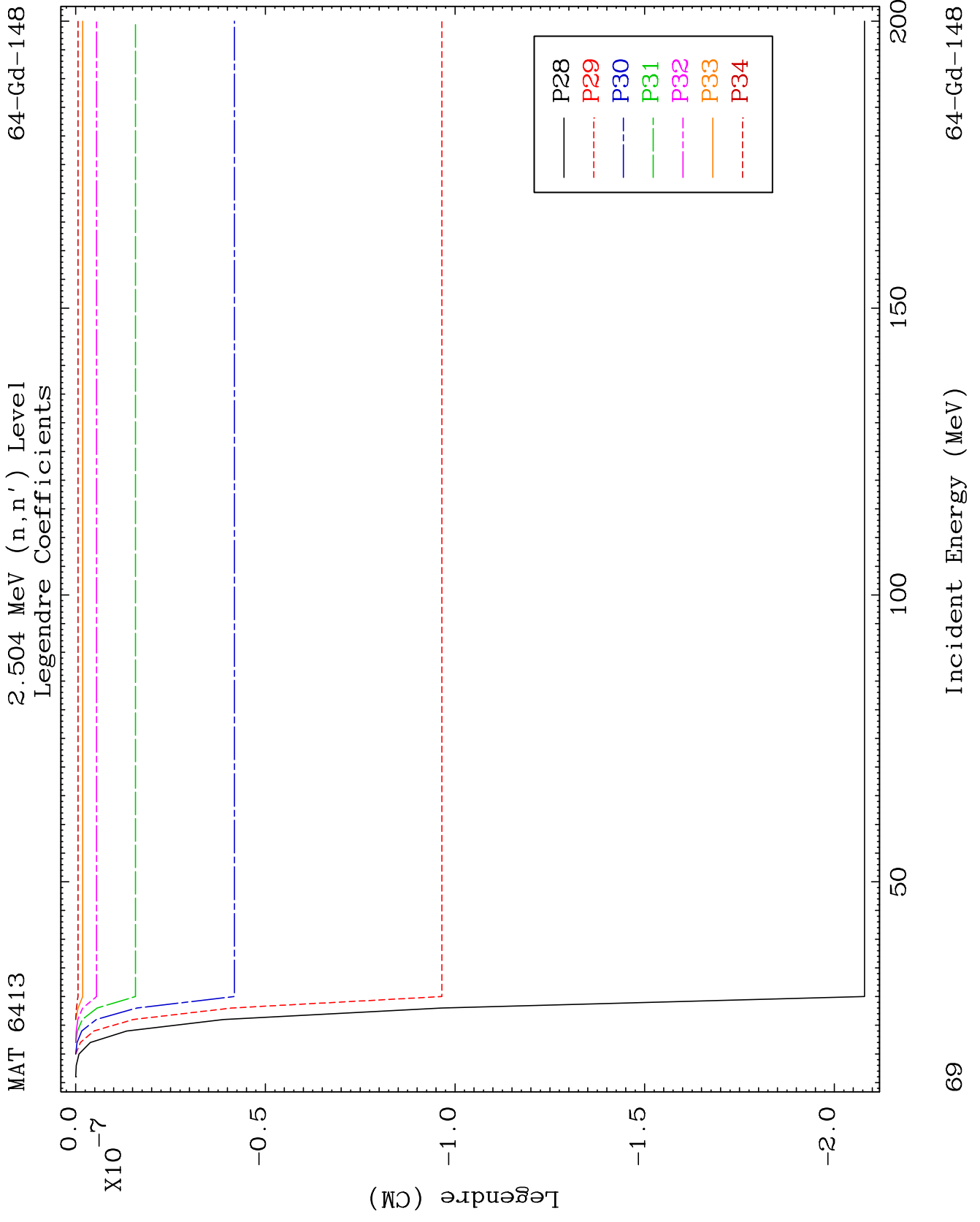
Legendre Coefficients



64-Gd-148

Incident Energy (MeV)

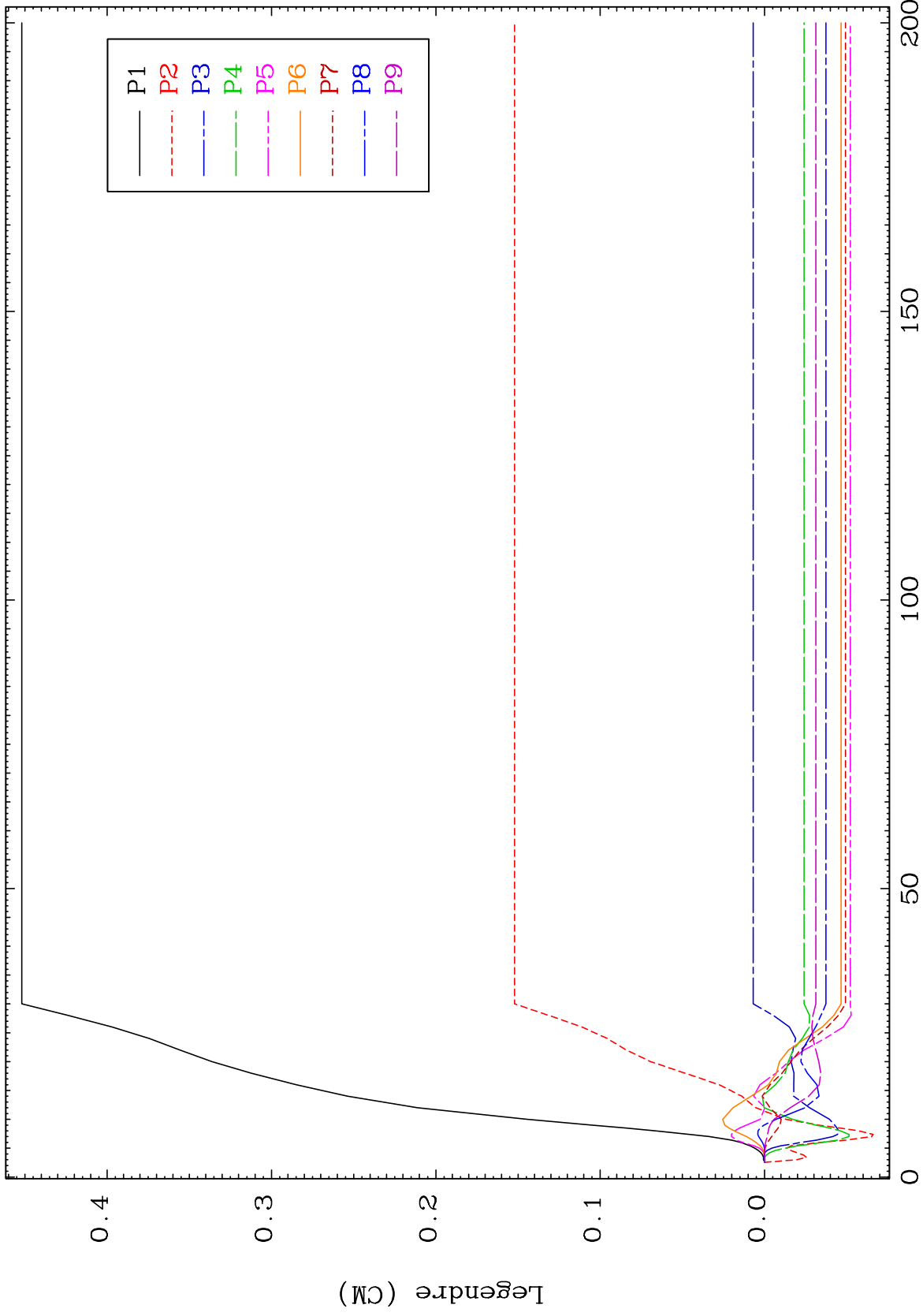
68



MAT 6413

2.506 MeV (n,n') Level
Legendre Coefficients

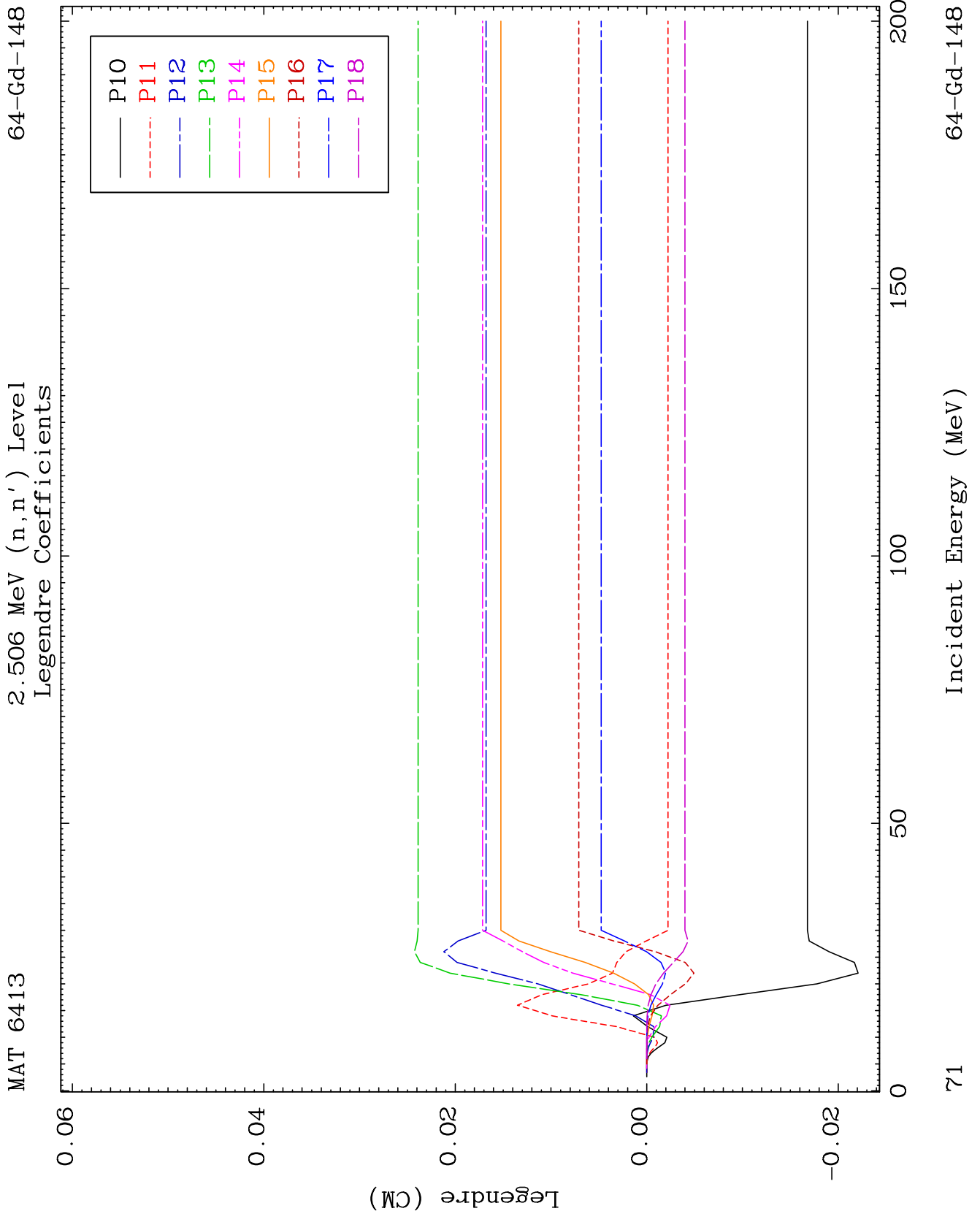
64-Gd-148



64-Gd-148

Incident Energy (MeV)

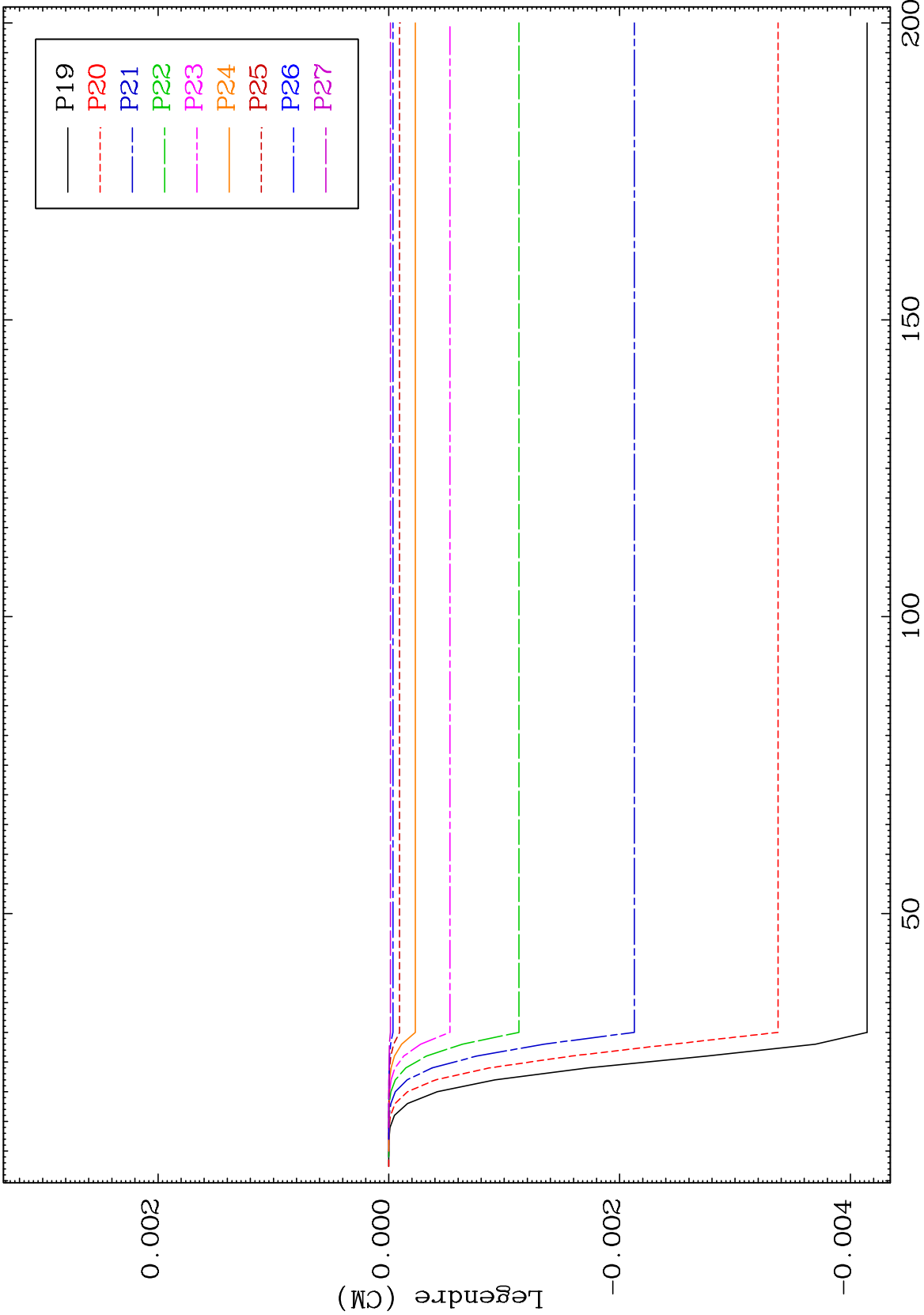
70



MAT 6413

2.506 MeV (n,n') Level
Legendre Coefficients

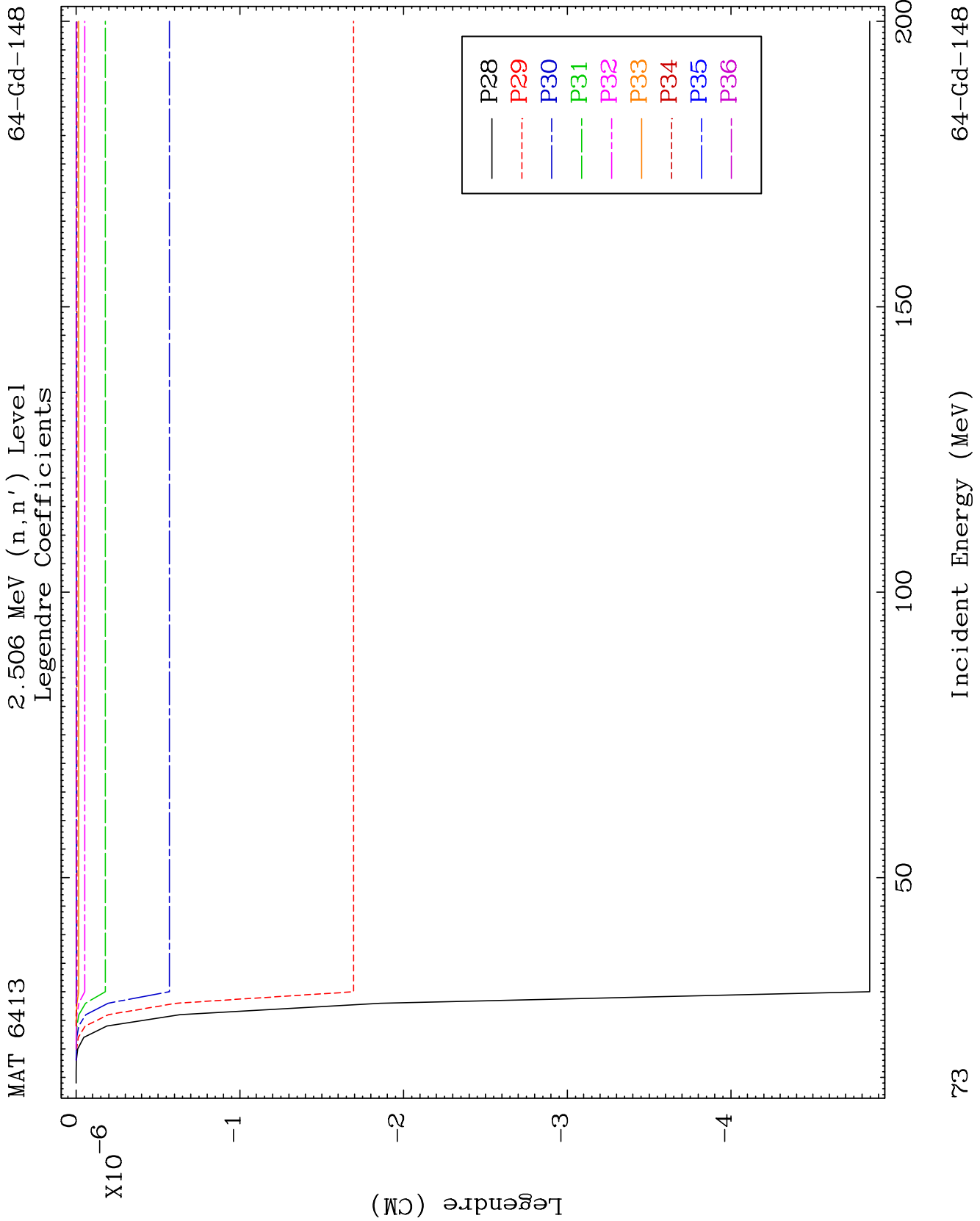
64-Gd-148



72

Incident Energy (MeV)

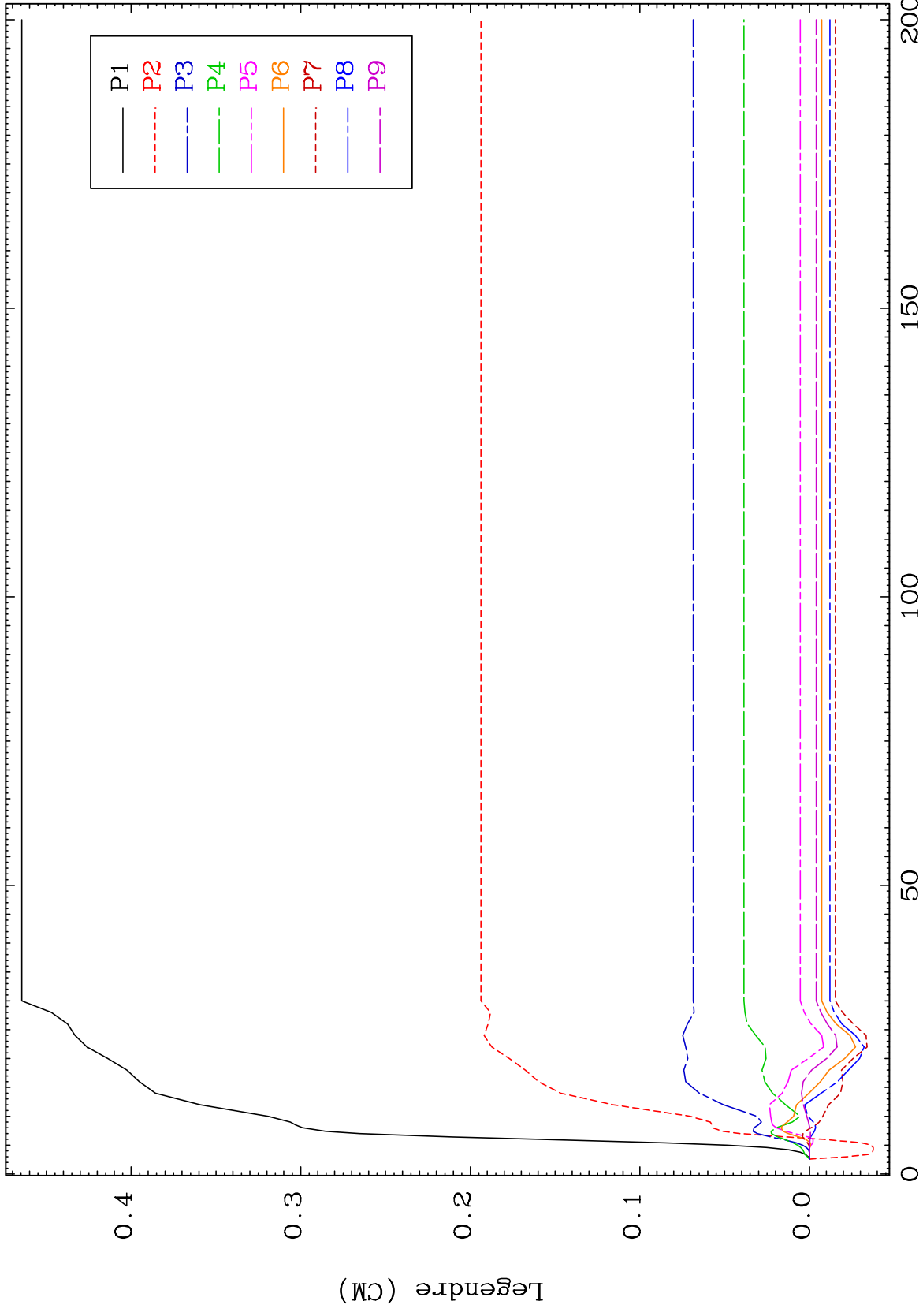
64-Gd-148



MAT 6413

2.522 MeV (n, n') Level
Legendre Coefficients

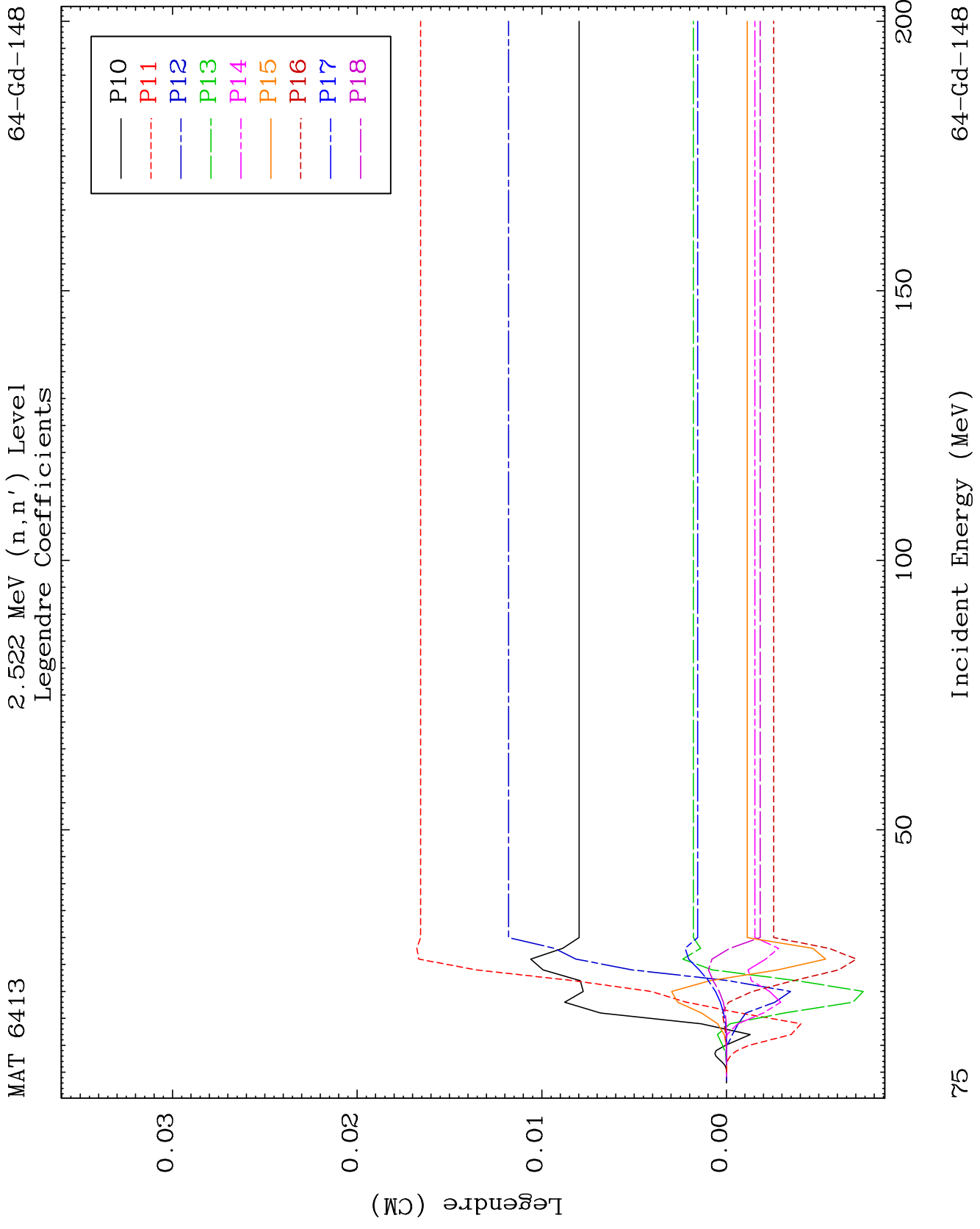
64-Gd-148



74

Incident Energy (MeV)

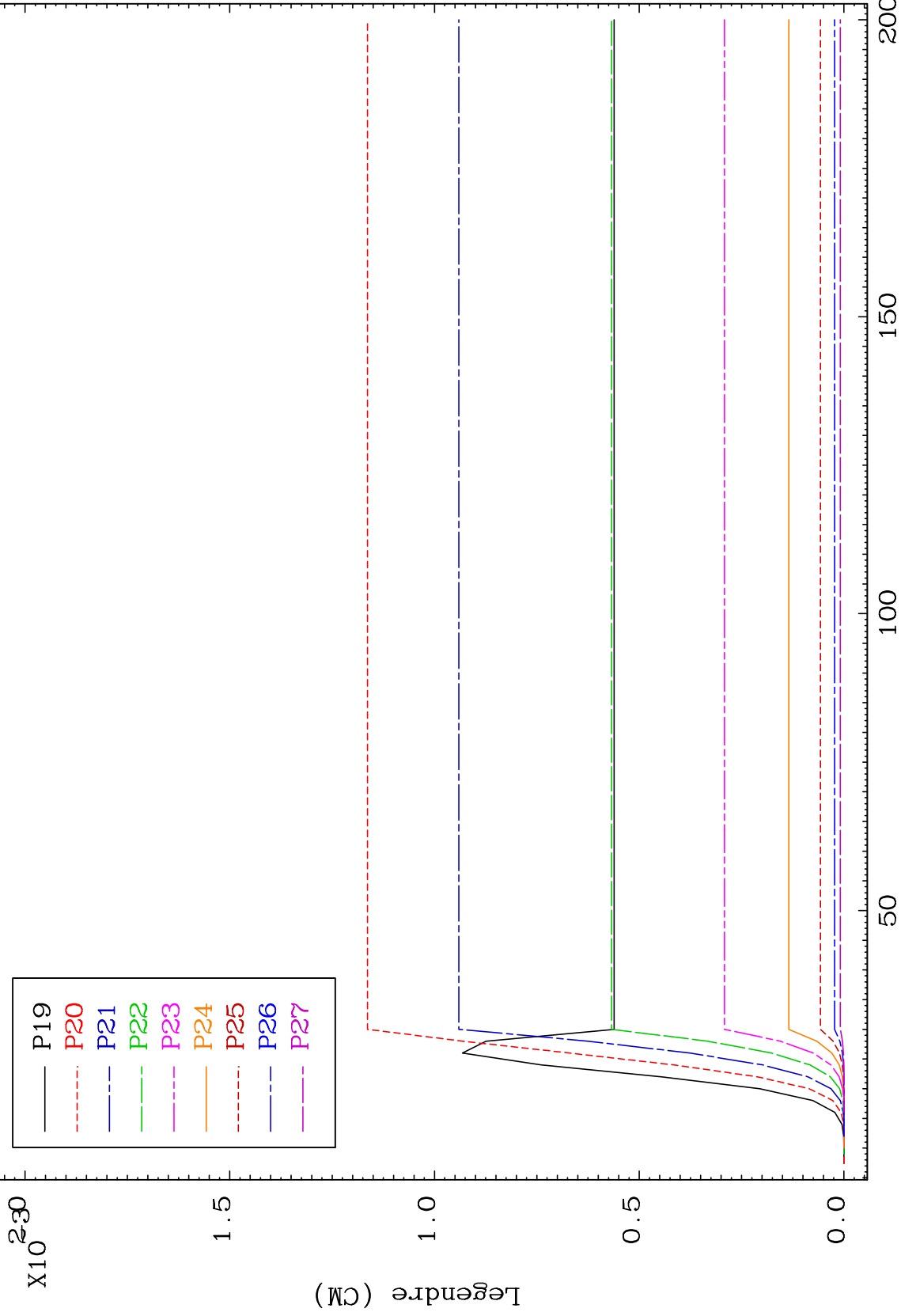
64-Gd-148



MAT 6413

2.522 MeV (n, n') Level
Legendre Coefficients

64-Gd-148



76

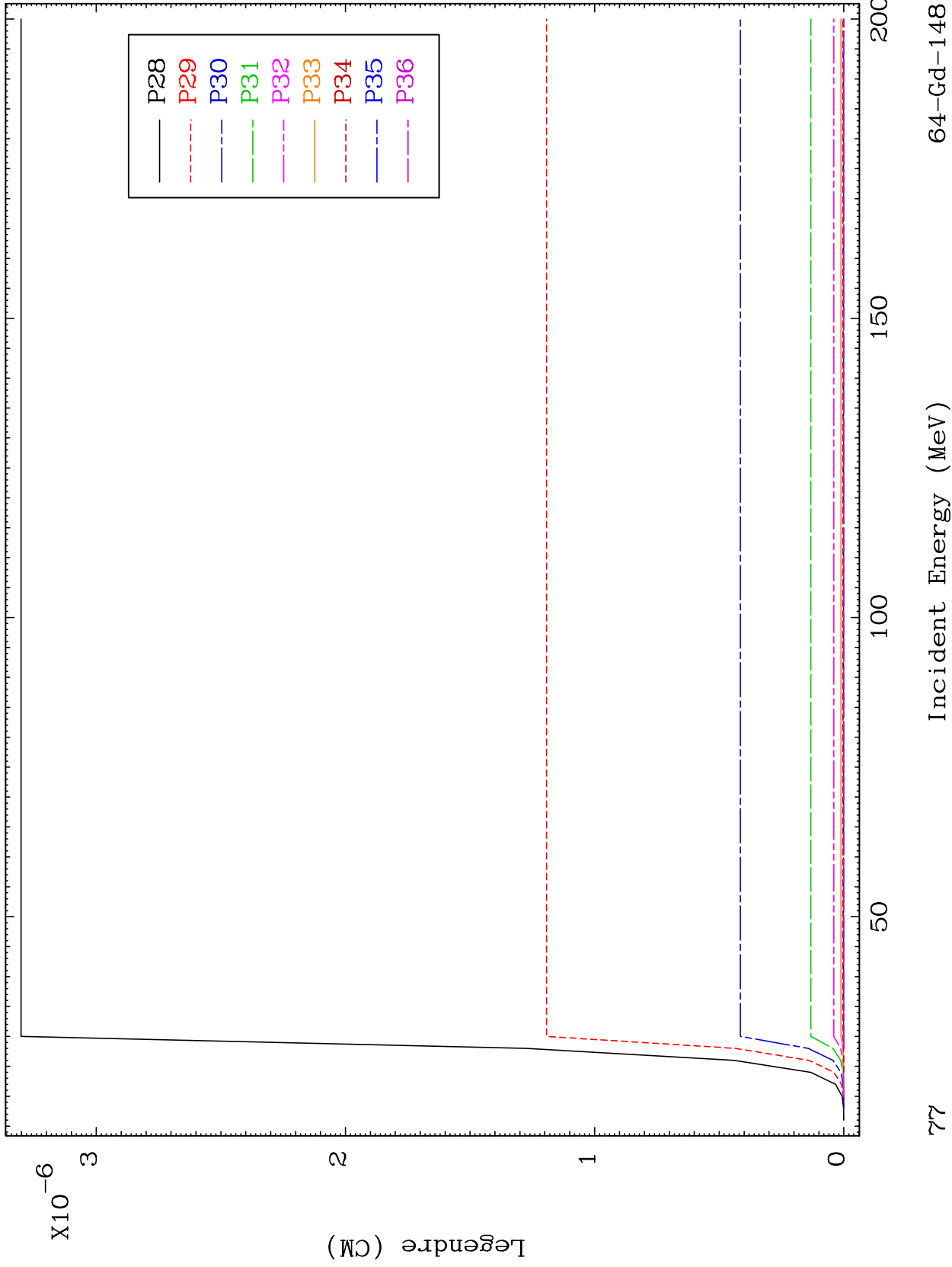
64-Gd-148

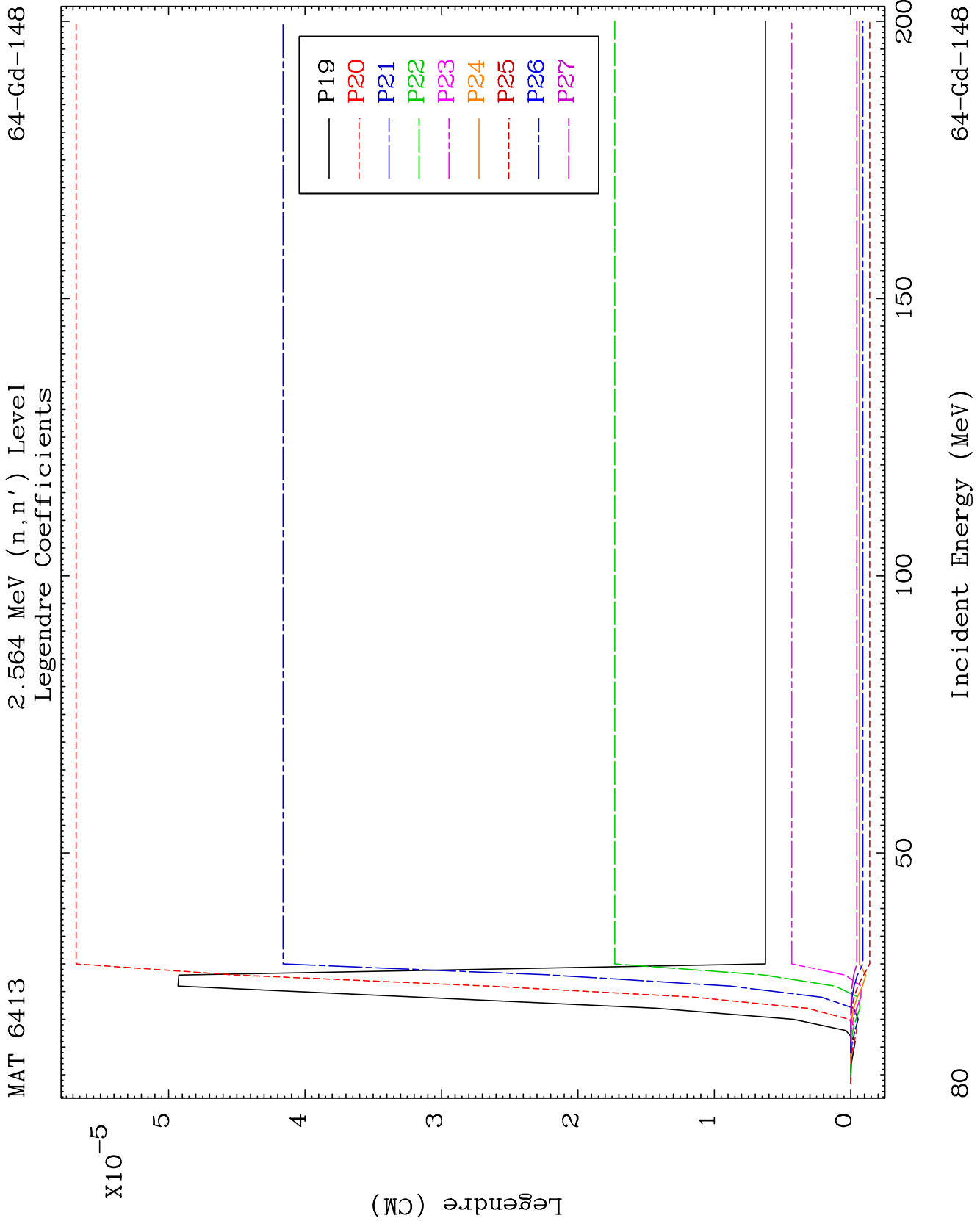
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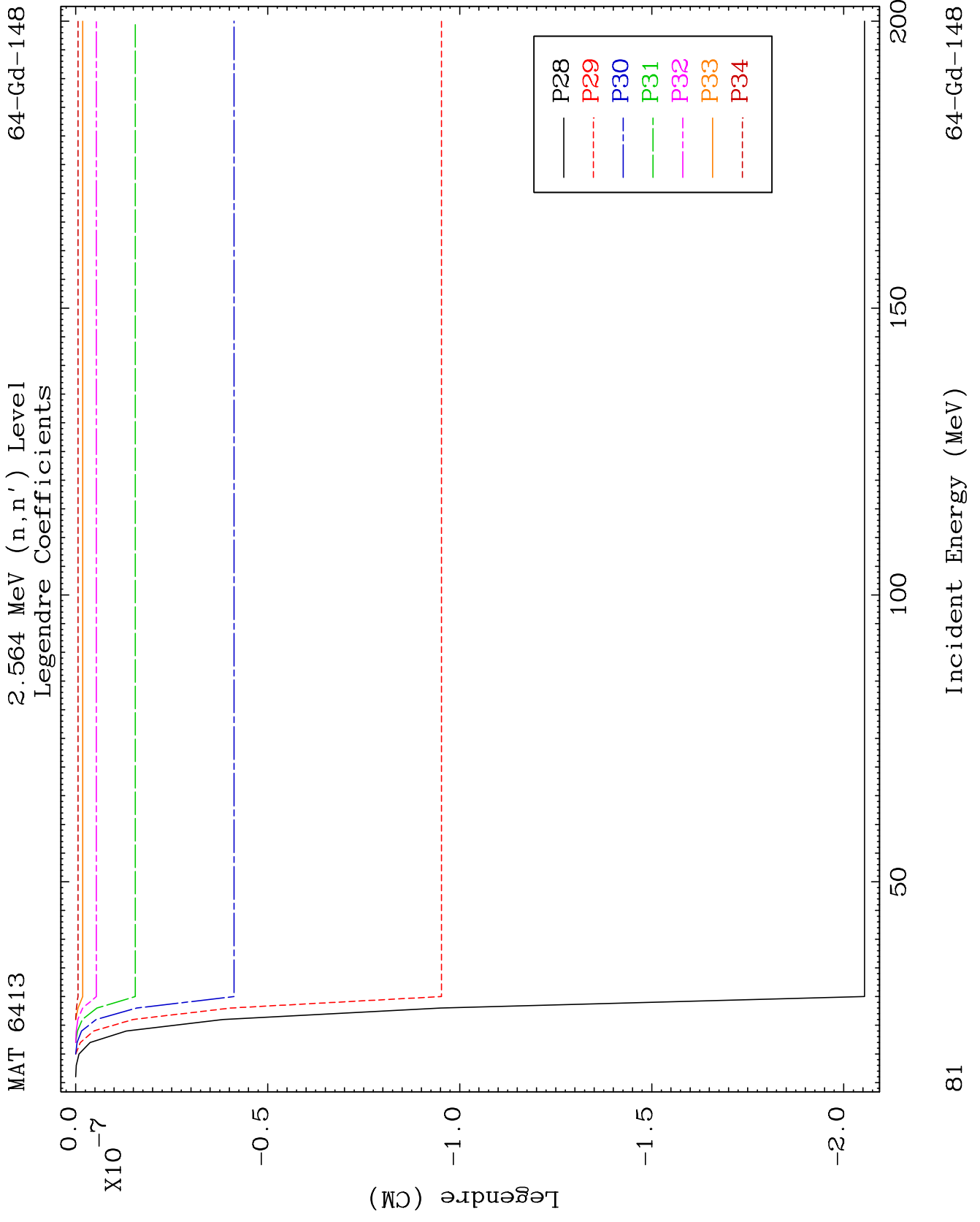
MAT 6413

2.522 MeV (n,n') Level
Legendre Coefficients

64-Gd-148



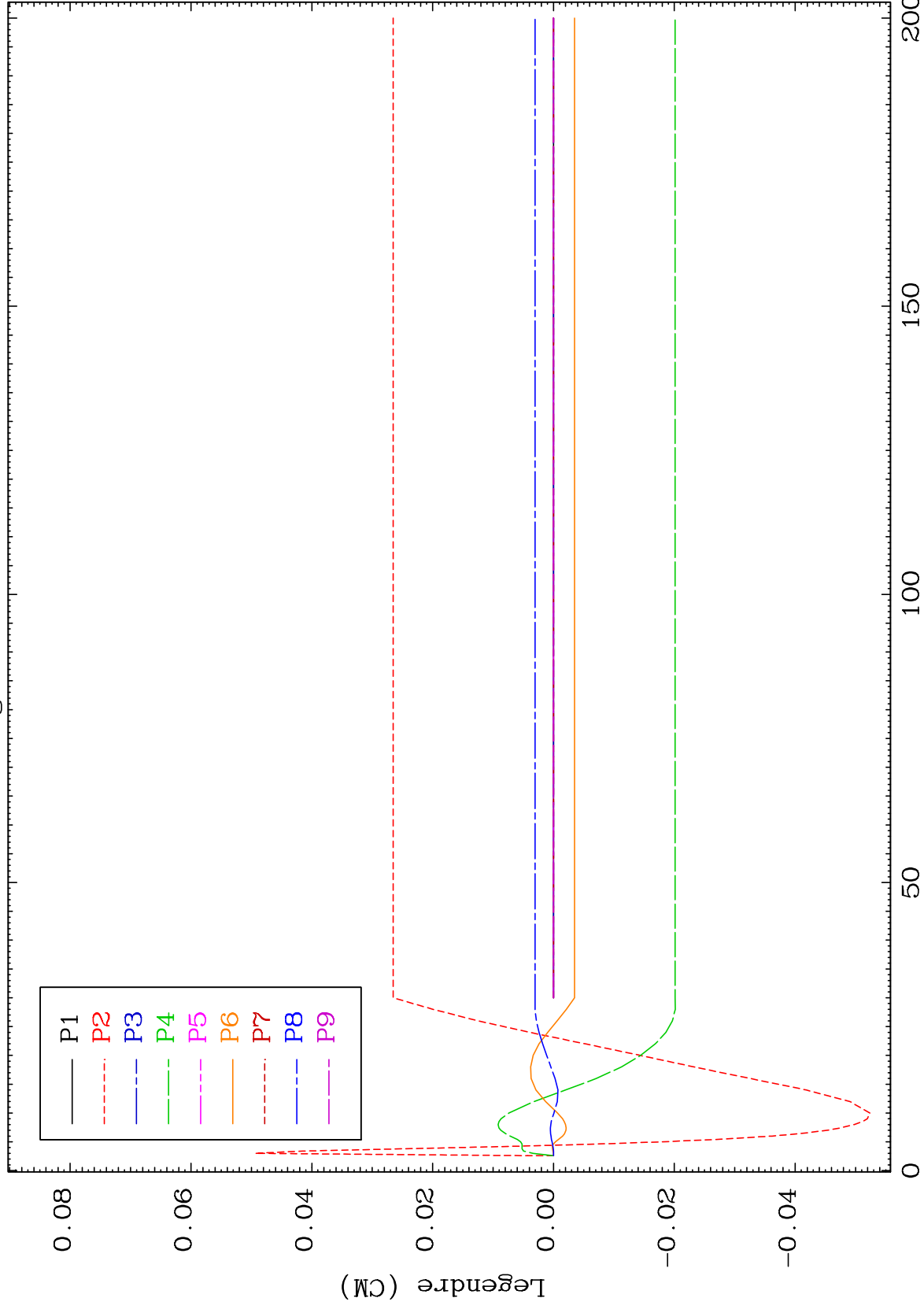




MAT 6413

2.567 MeV (n,n') Level
Legendre Coefficients

64-Gd-148



82

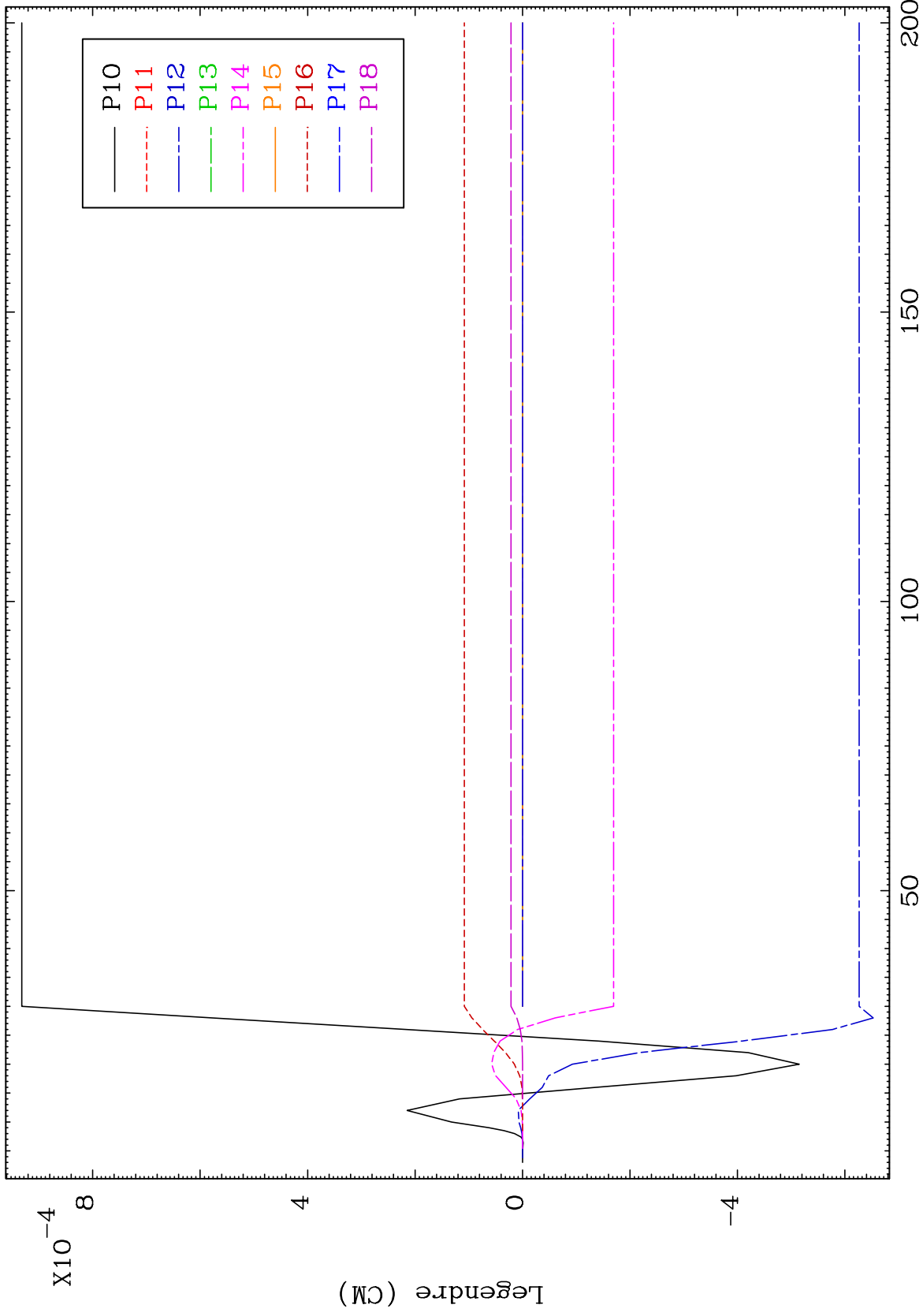
Incident Energy (MeV)

64-Gd-148

MAT 6413

2.567 MeV (n,n') Level
Legendre Coefficients

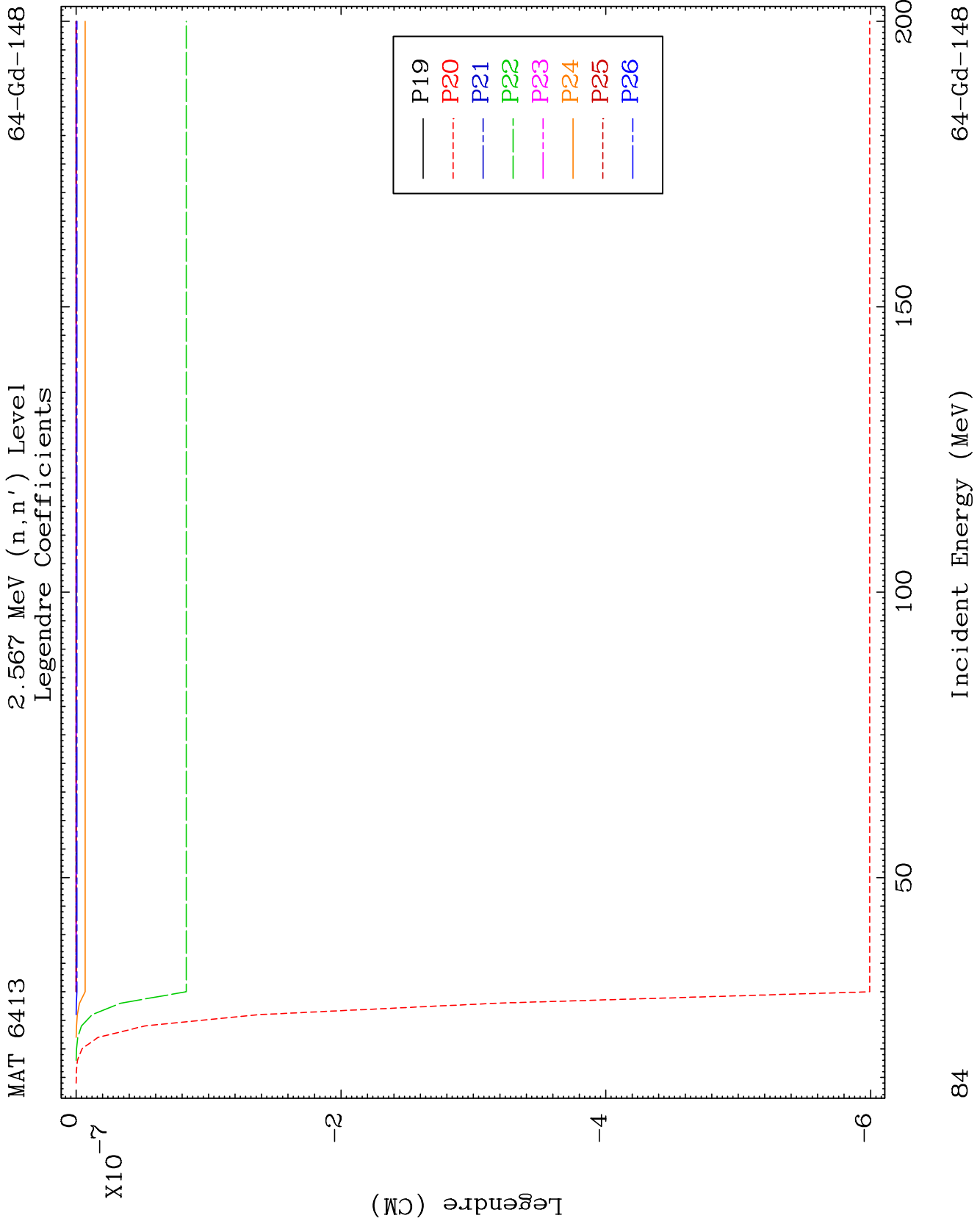
64-Gd-148

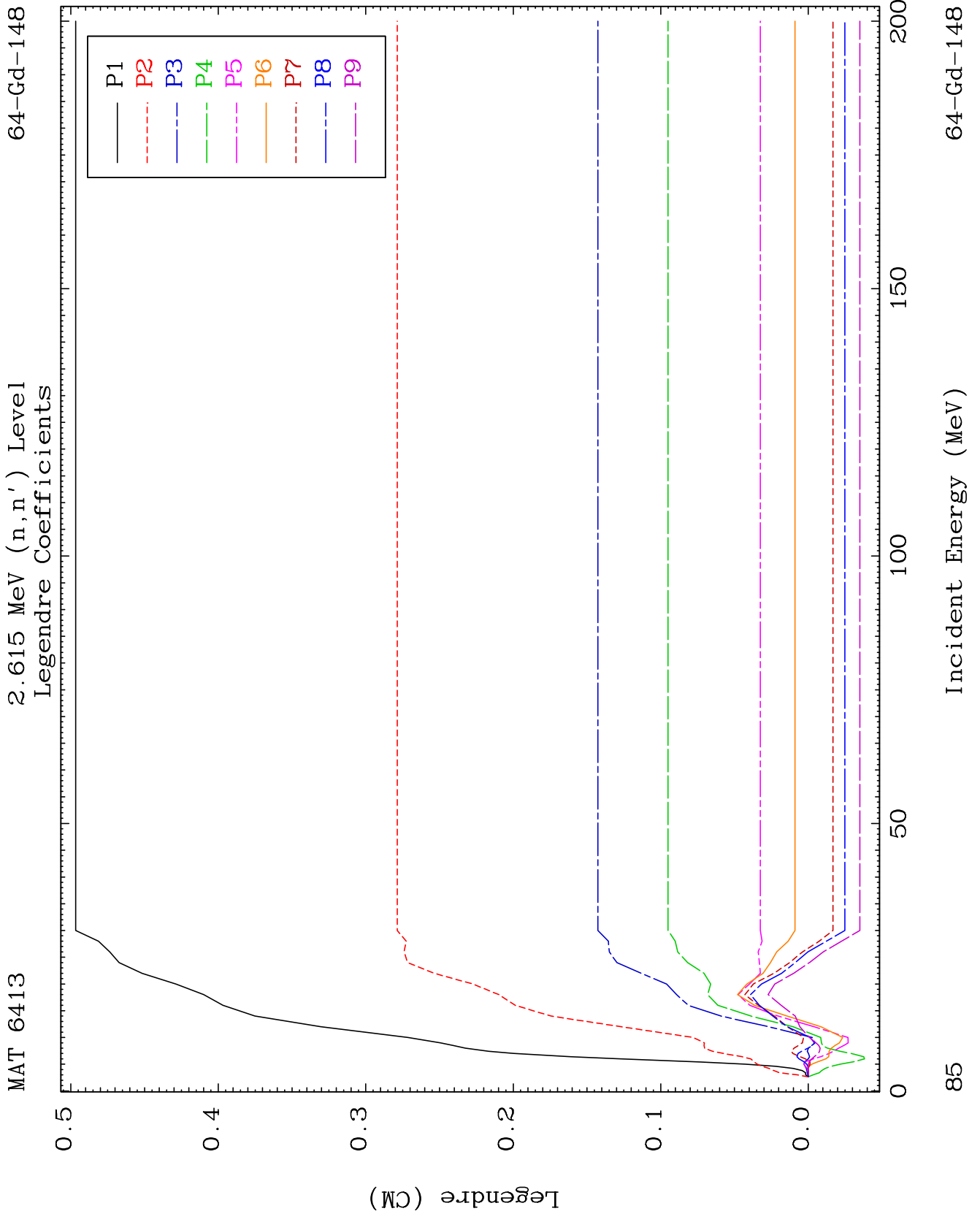


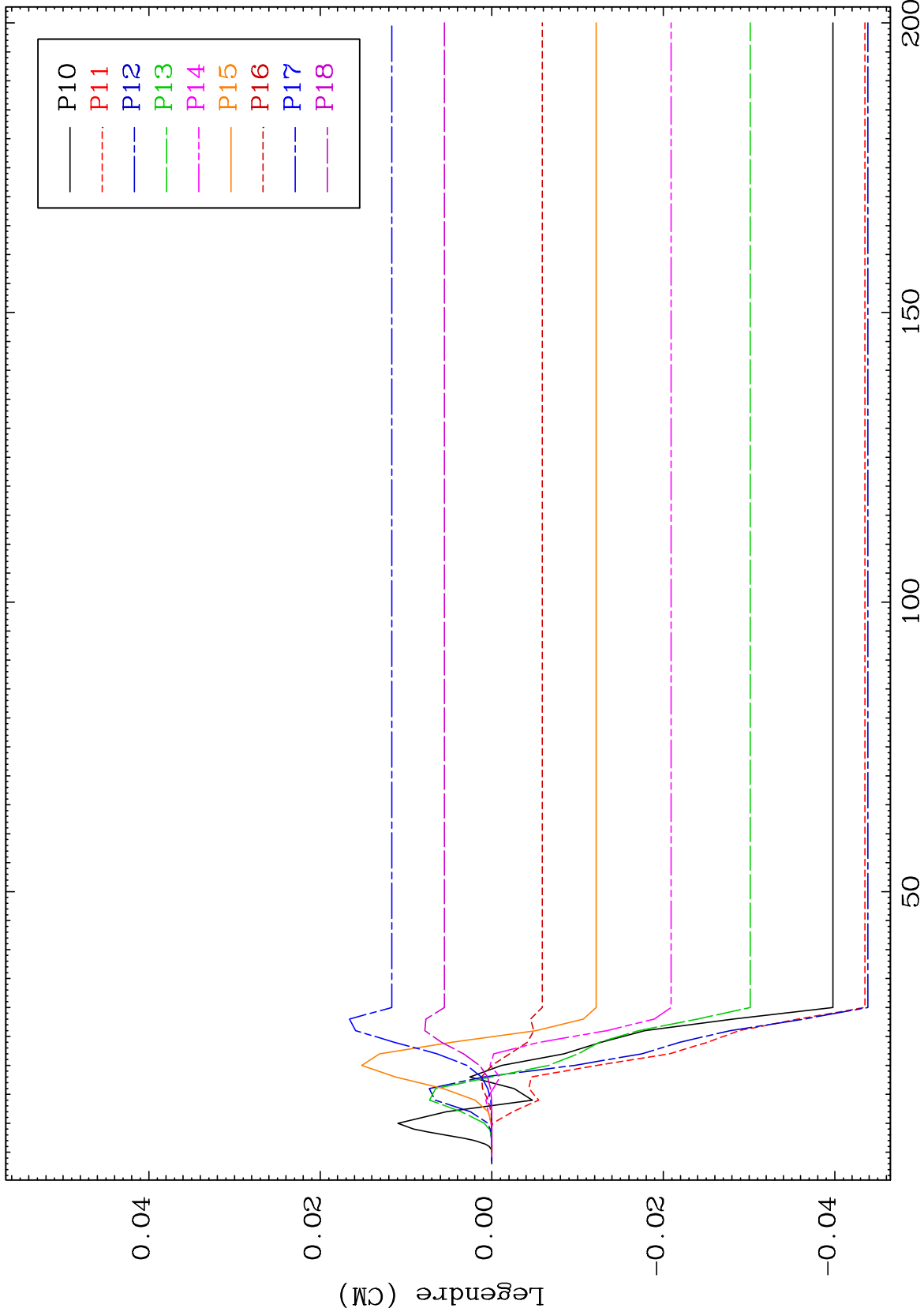
83

Incident Energy (MeV)

64-Gd-148



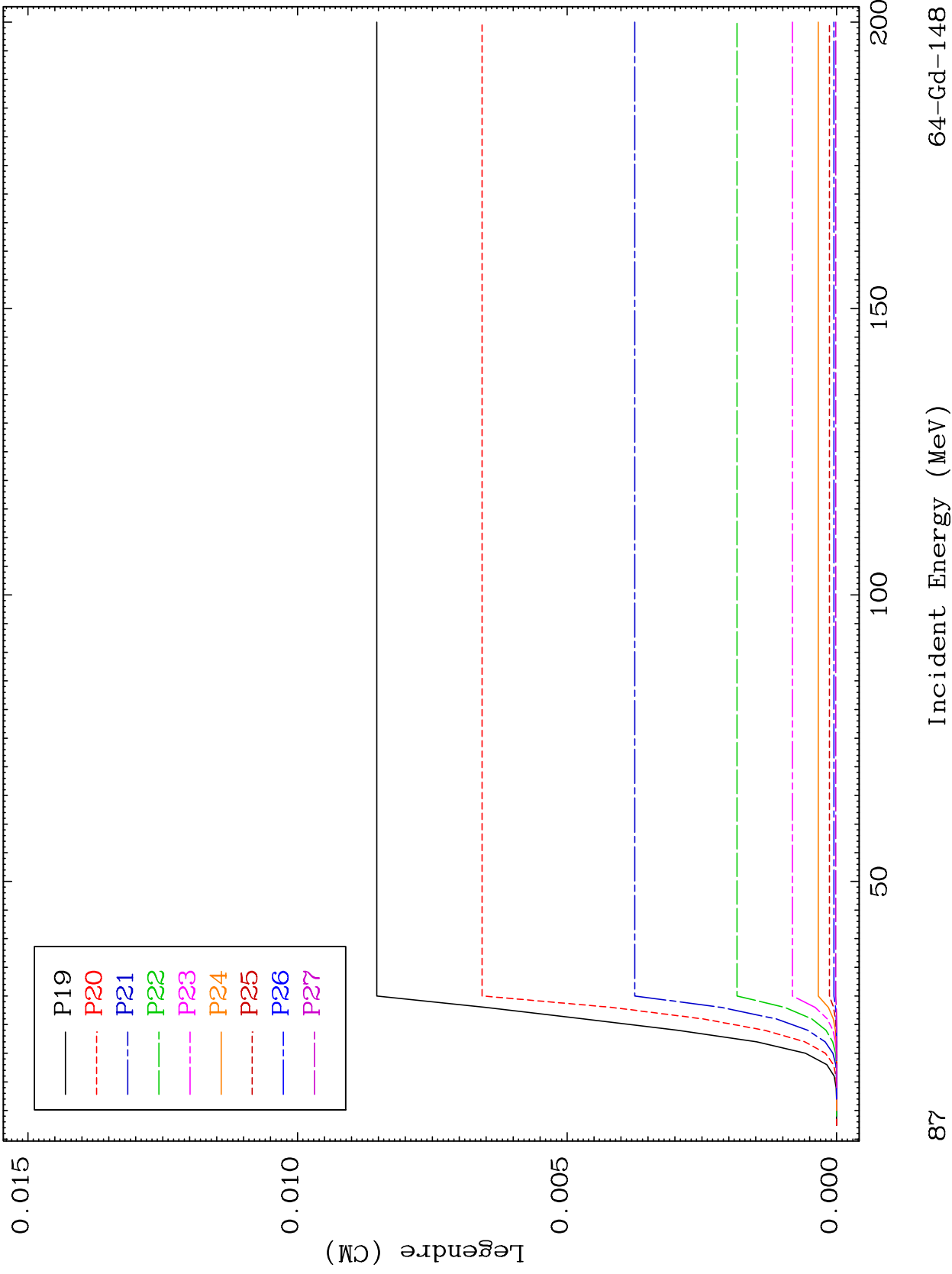




MAT 6413

2.615 MeV (n, n') Level
Legendre Coefficients

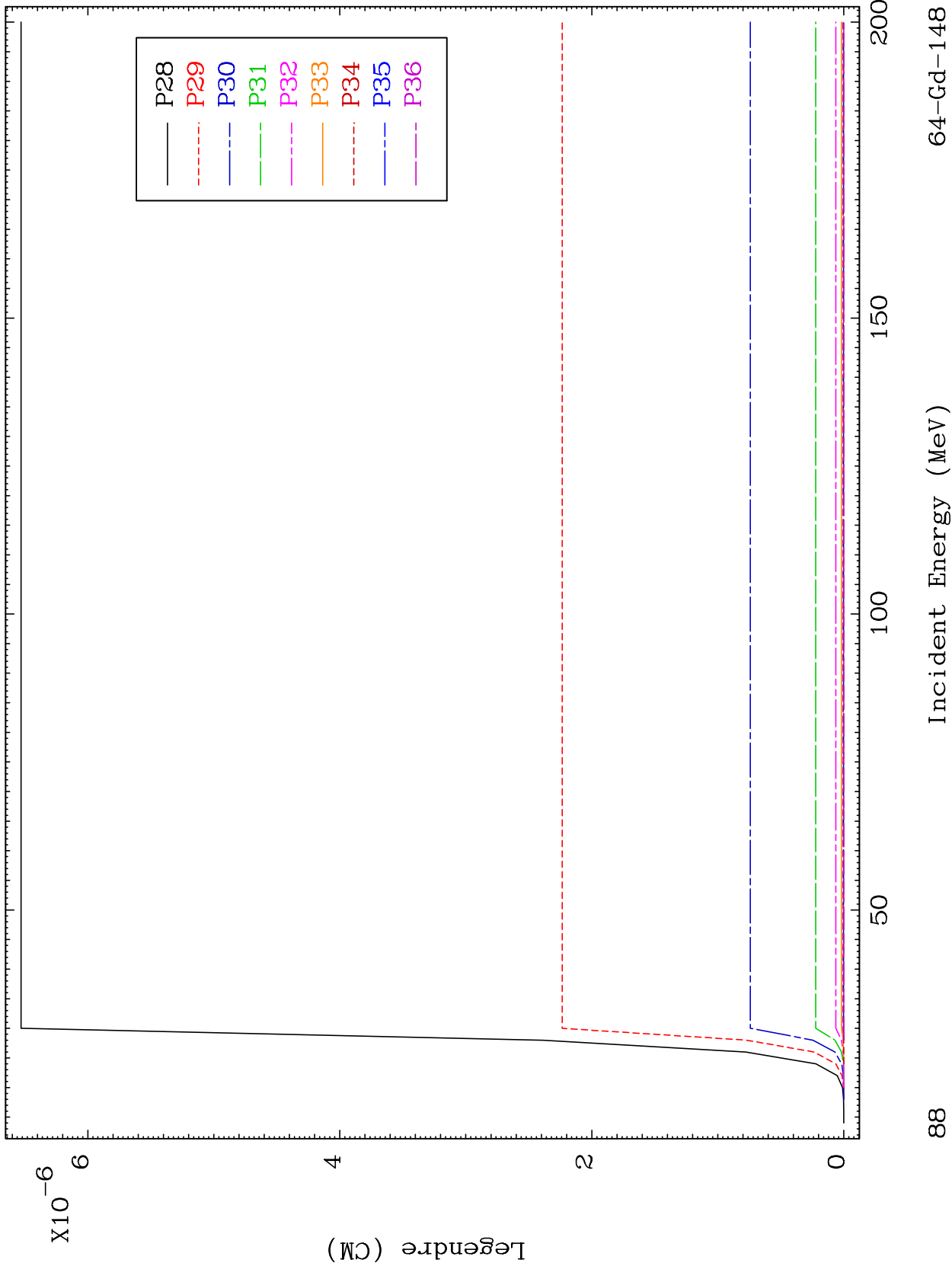
64-Gd-148



MAT 6413

2.615 MeV (n,n') Level
Legendre Coefficients

64-Gd-148



88

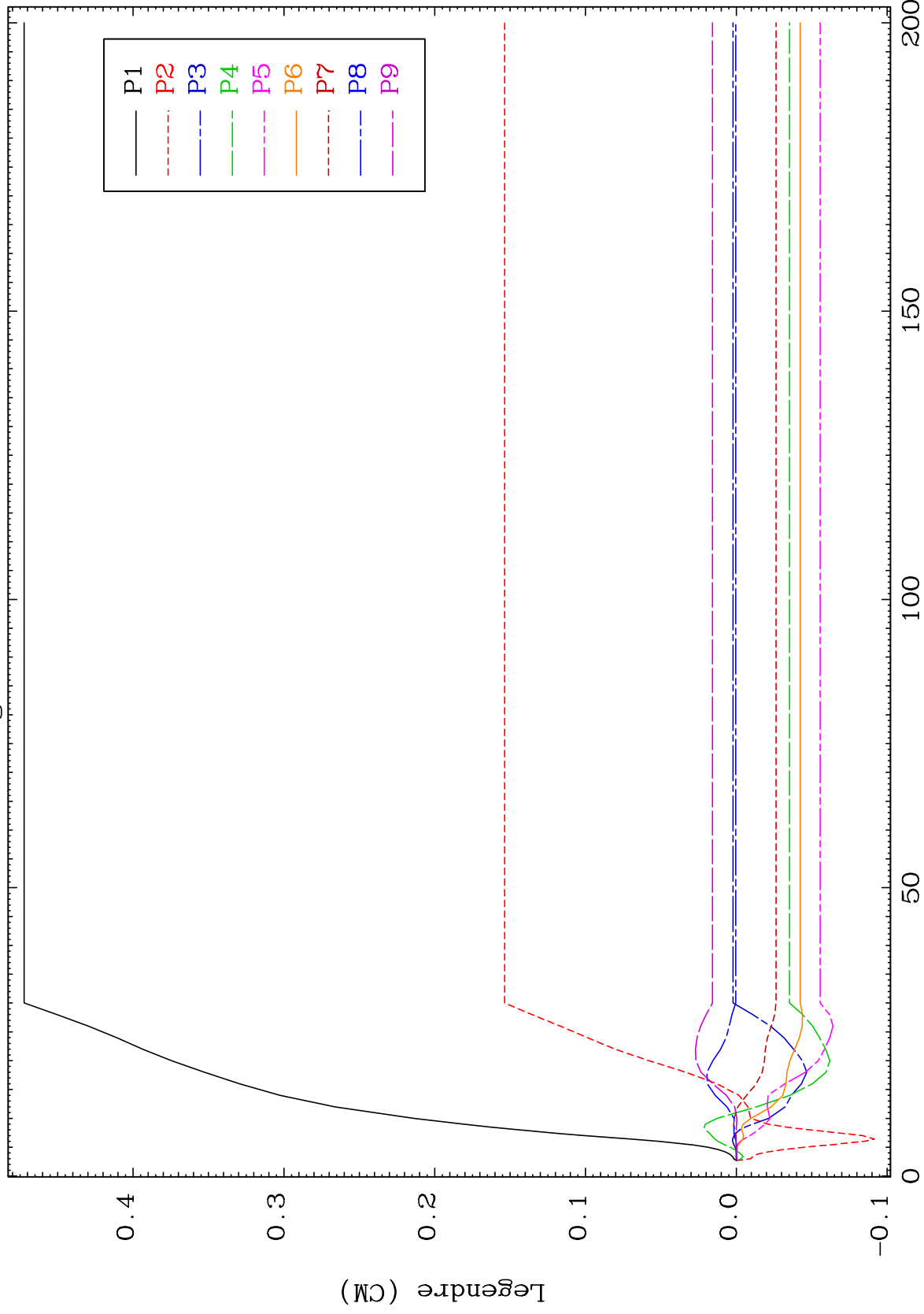
Incident Energy (MeV)

64-Gd-148

MAT 6413

2.633 MeV (n,n') Level
Legendre Coefficients

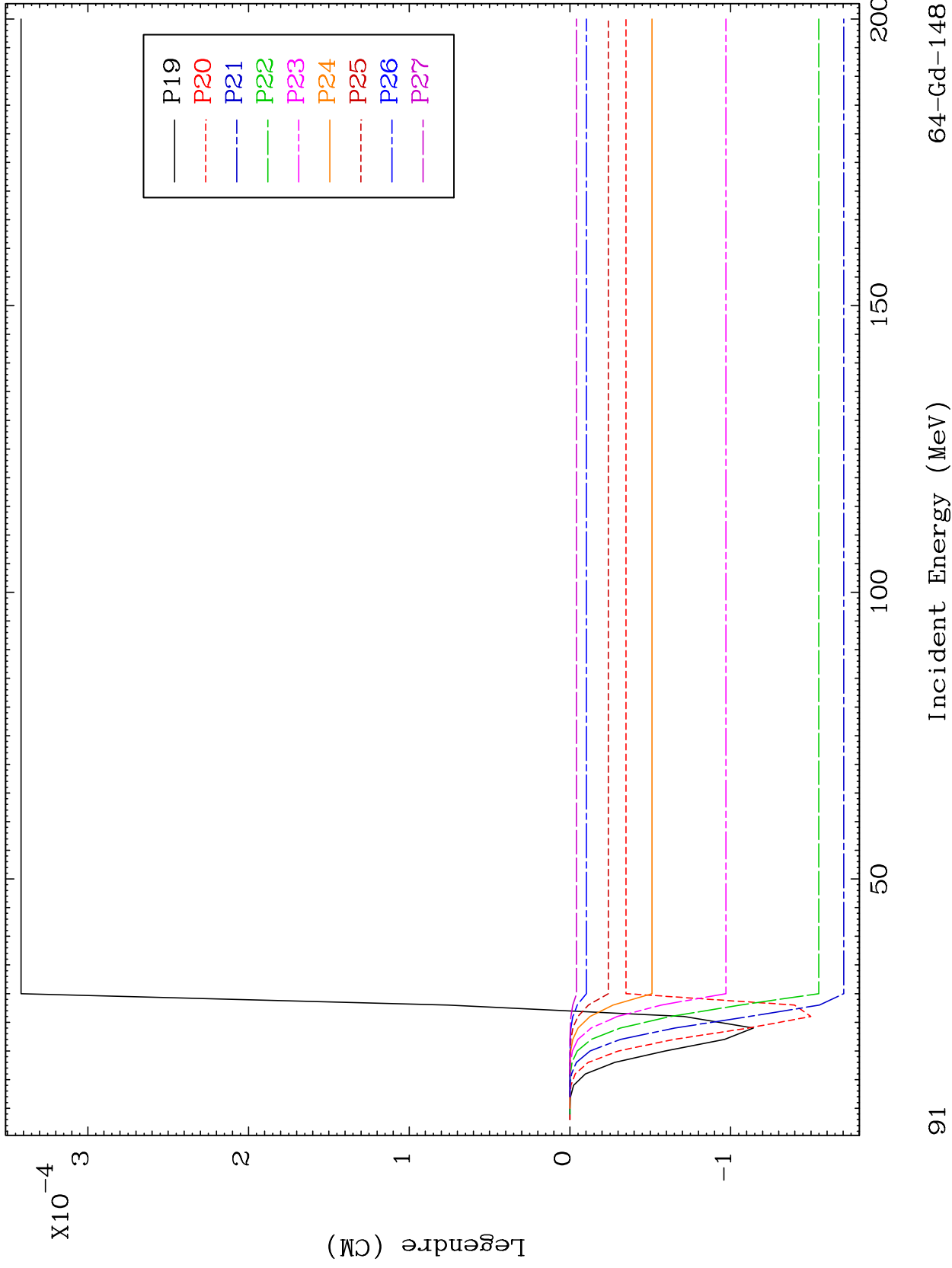
64-Gd-148

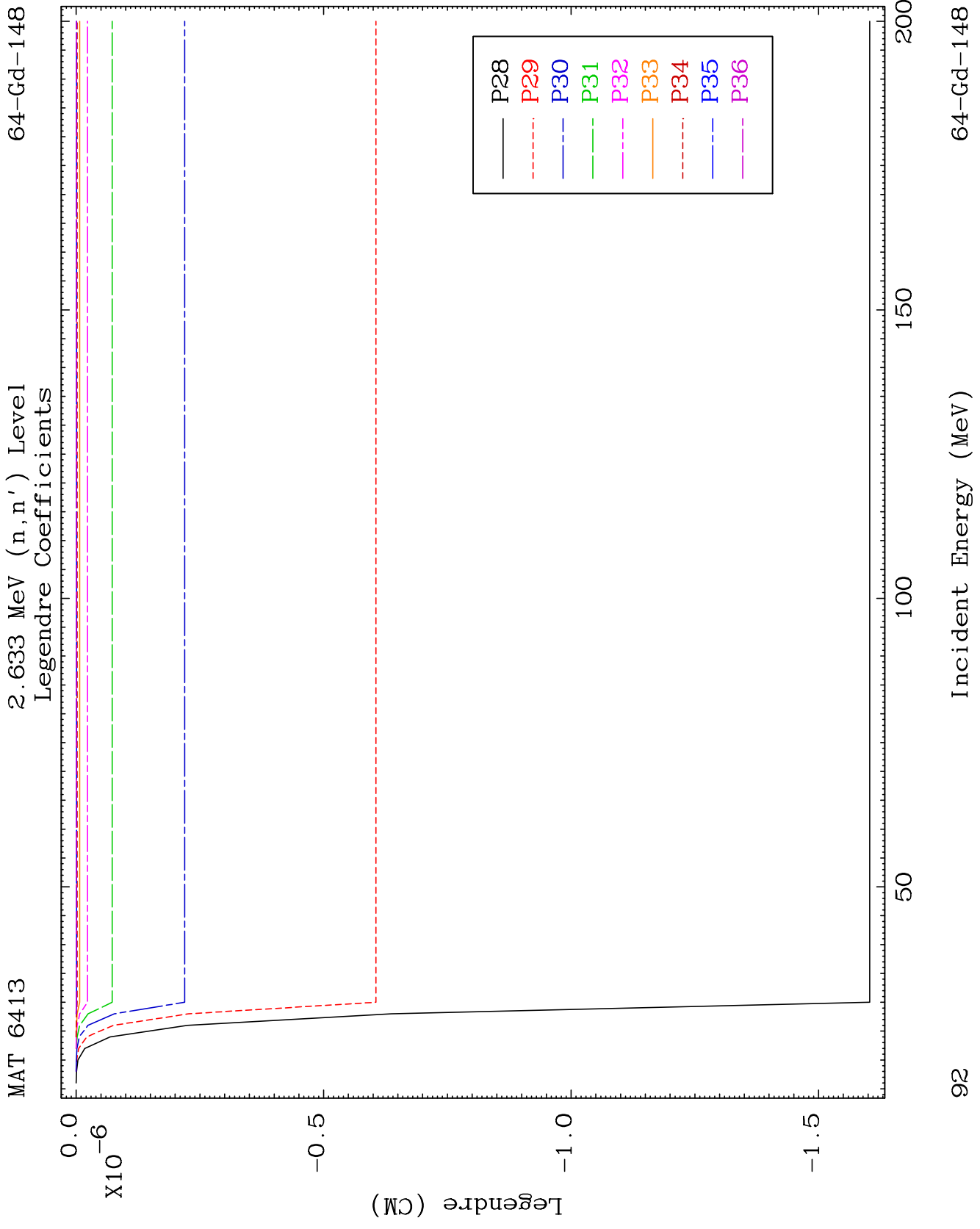


89

Incident Energy (MeV)

64-Gd-148

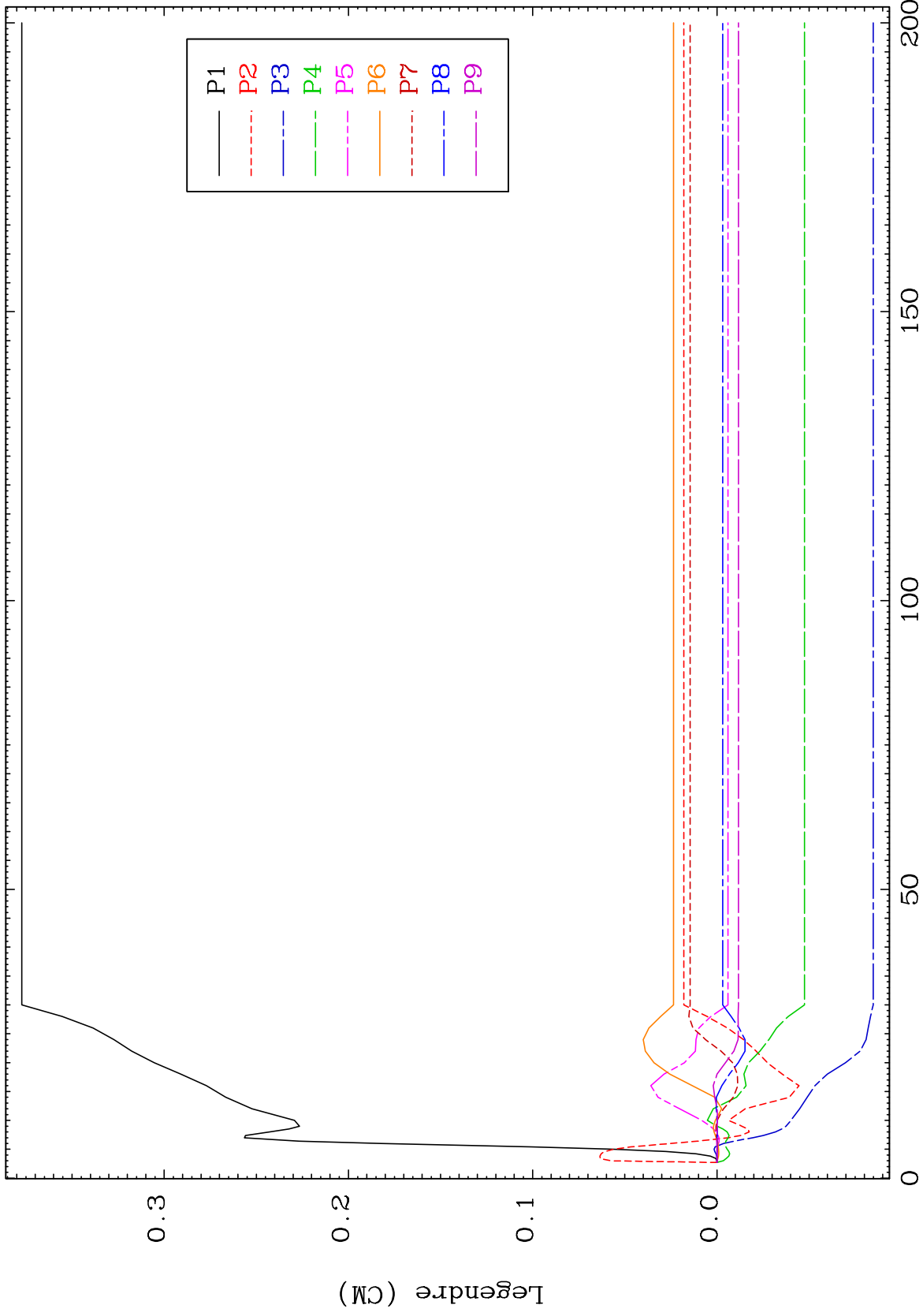




MAT 6413

2.693 MeV (n,n') Level
Legendre Coefficients

64-Gd-148



93

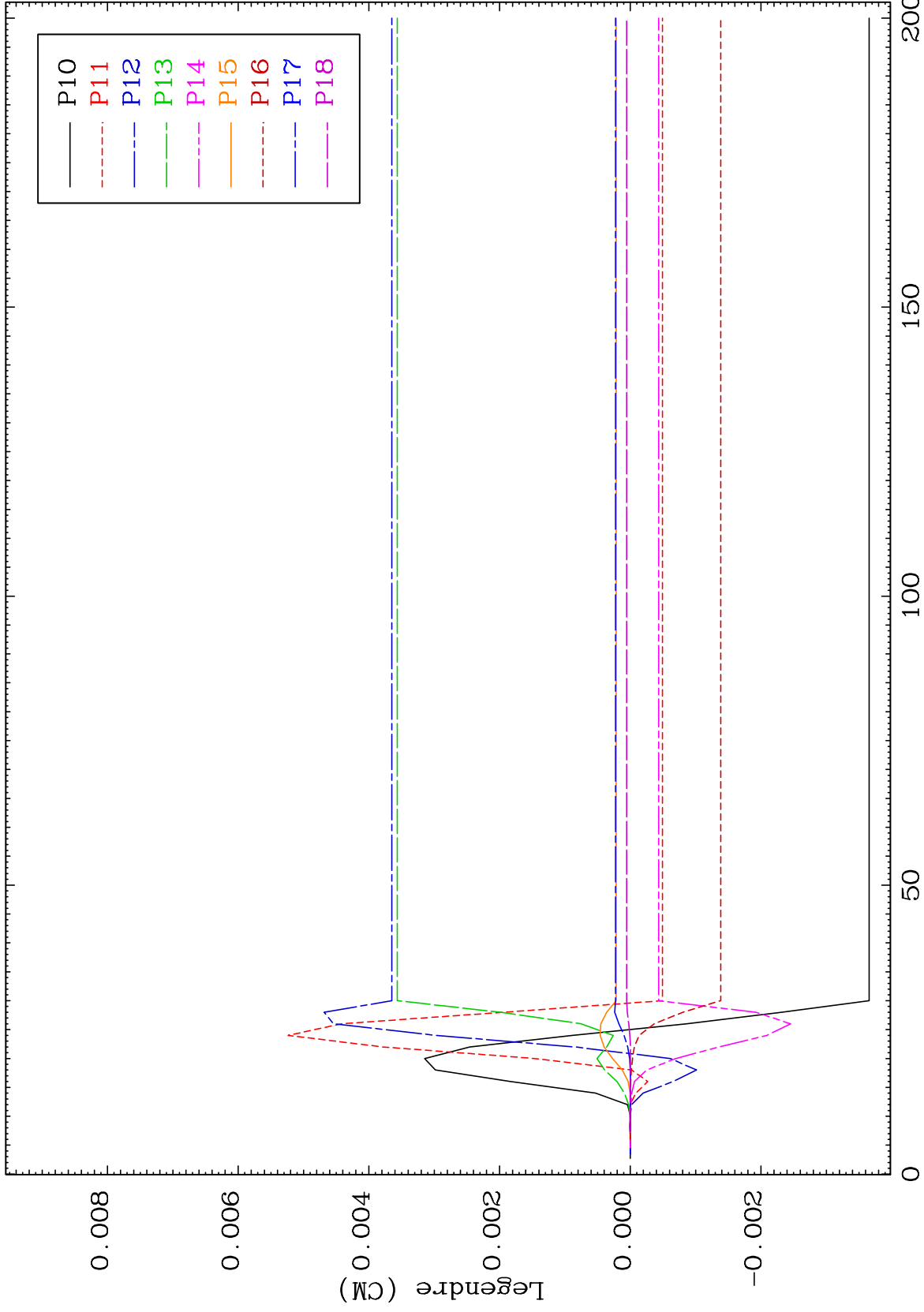
Incident Energy (MeV)

64-Gd-148

MAT 6413

2.693 MeV (n,n') Level
Legendre Coefficients

64-Gd-148



94

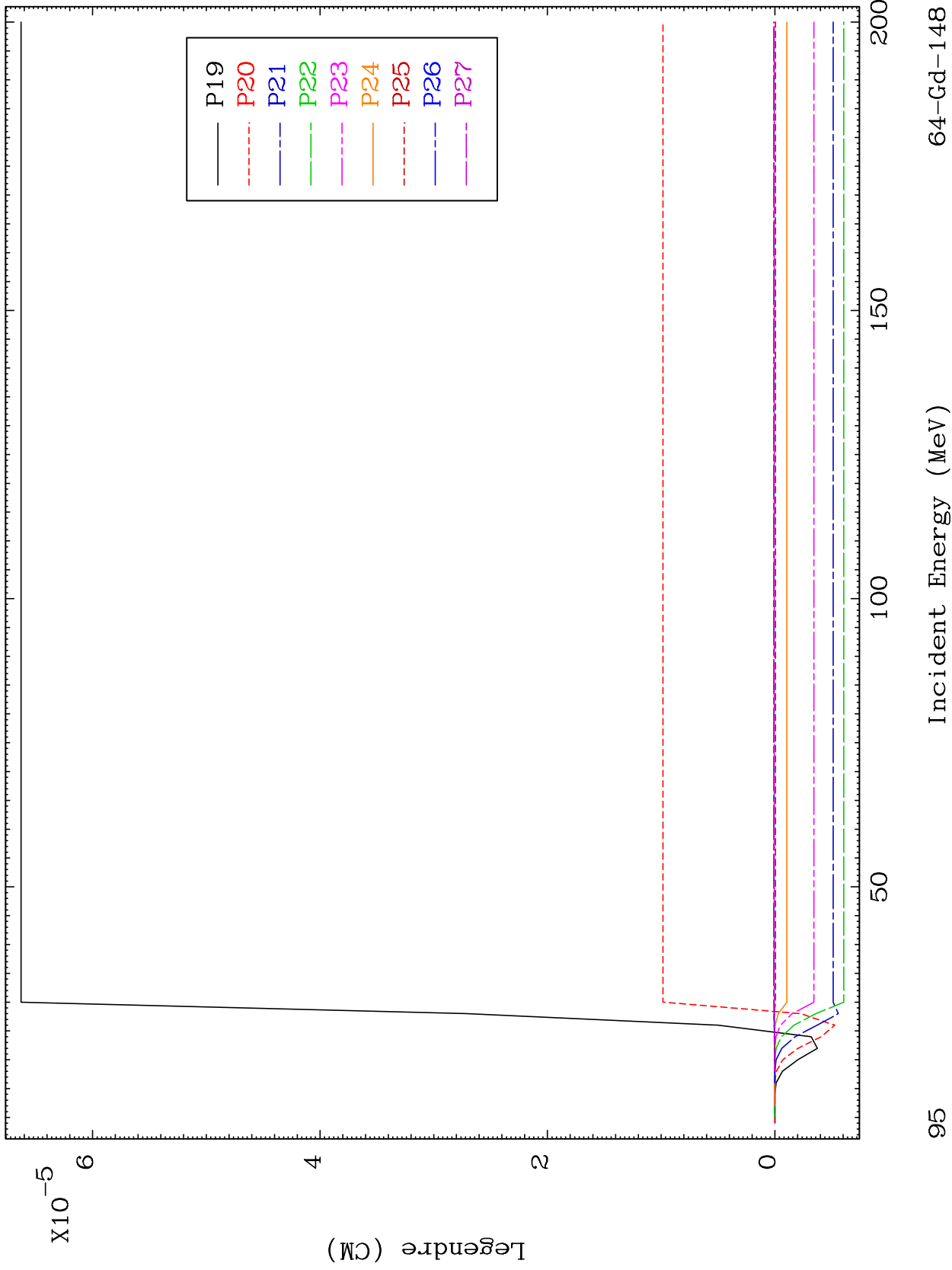
Incident Energy (MeV)

64-Gd-148

MAT 6413

2.693 MeV (n,n') Level
Legendre Coefficients

64-Gd-148



95

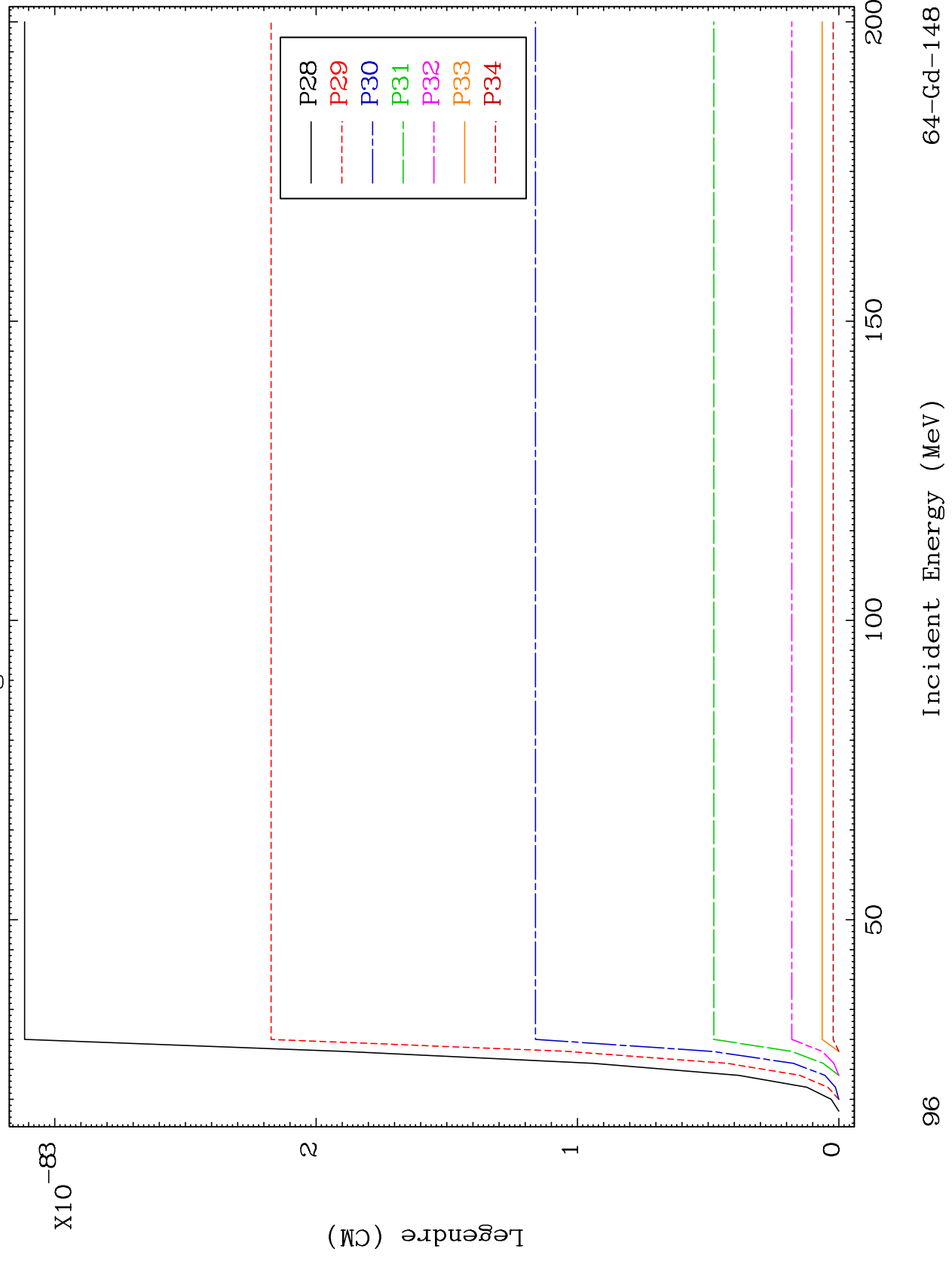
Incident Energy (MeV)

64-Gd-148

MAT 6413

2.693 MeV (n,n') Level
Legendre Coefficients

64-Gd-148



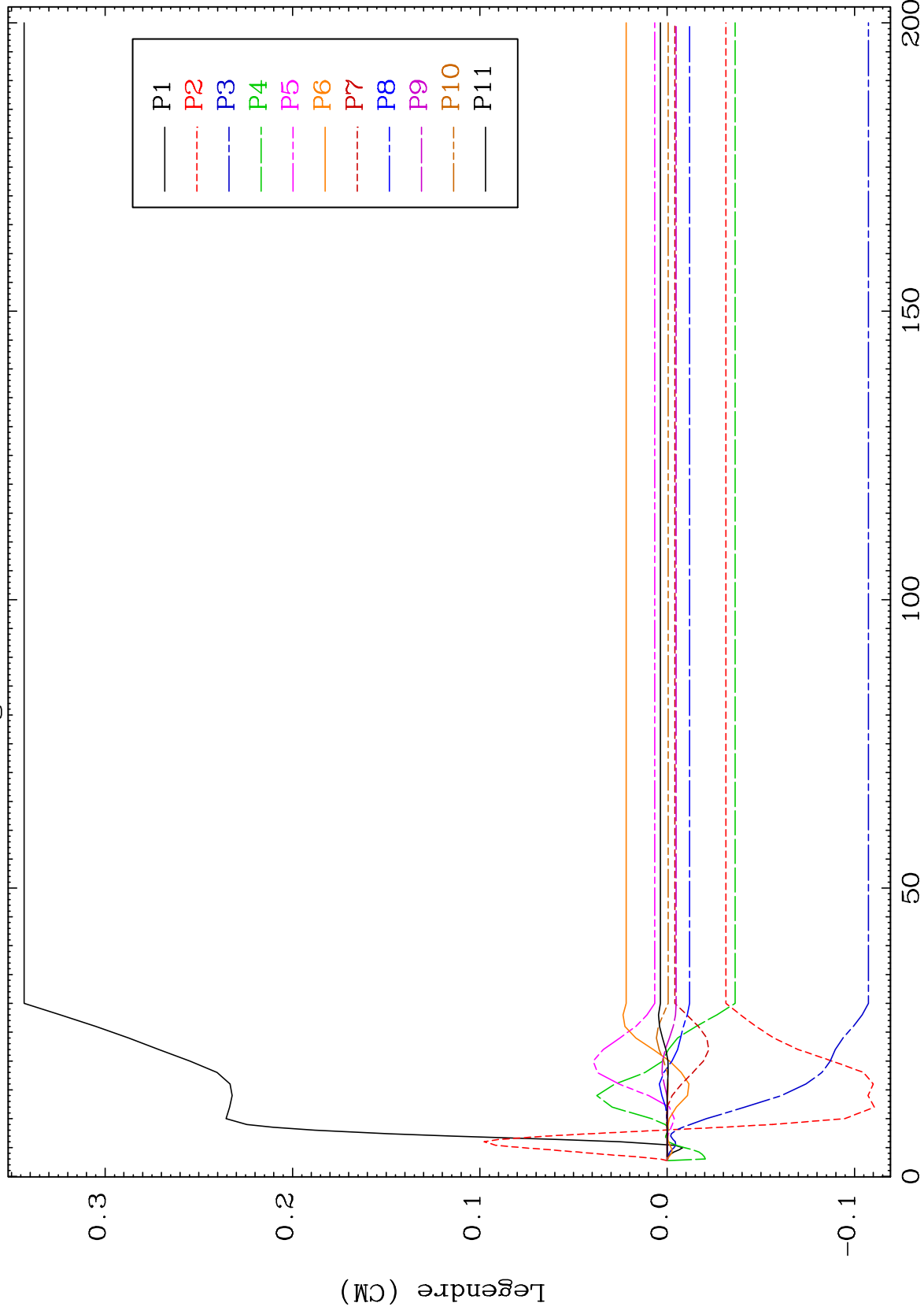
96

64-Gd-148

MAT 6413

2.695 MeV (n,n') Level
Legendre Coefficients

64-Gd-148



97

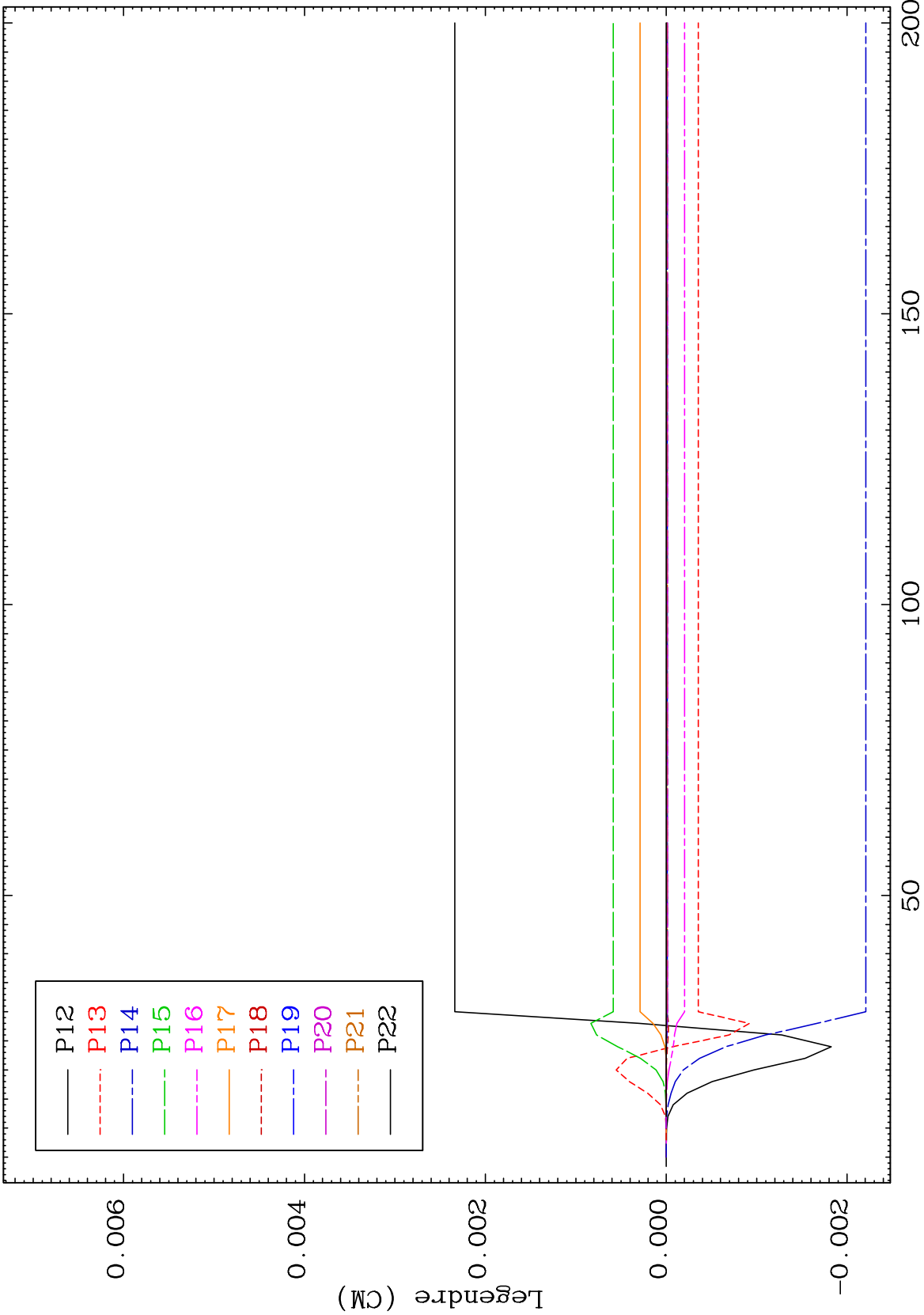
Incident Energy (MeV)

64-Gd-148

MAT 6413

2.695 MeV (n,n') Level
Legendre Coefficients

64-Gd-148



98

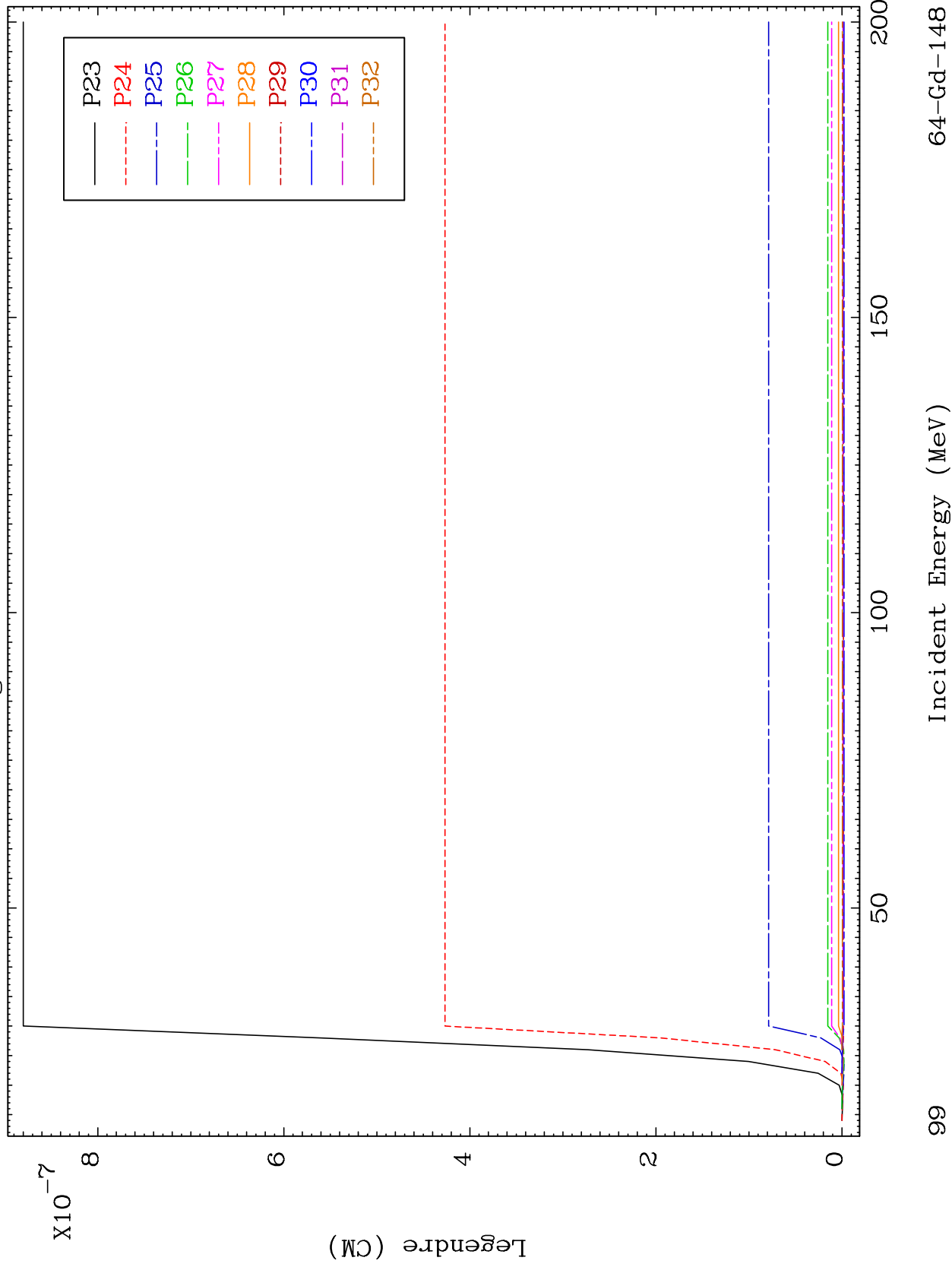
Incident Energy (MeV)

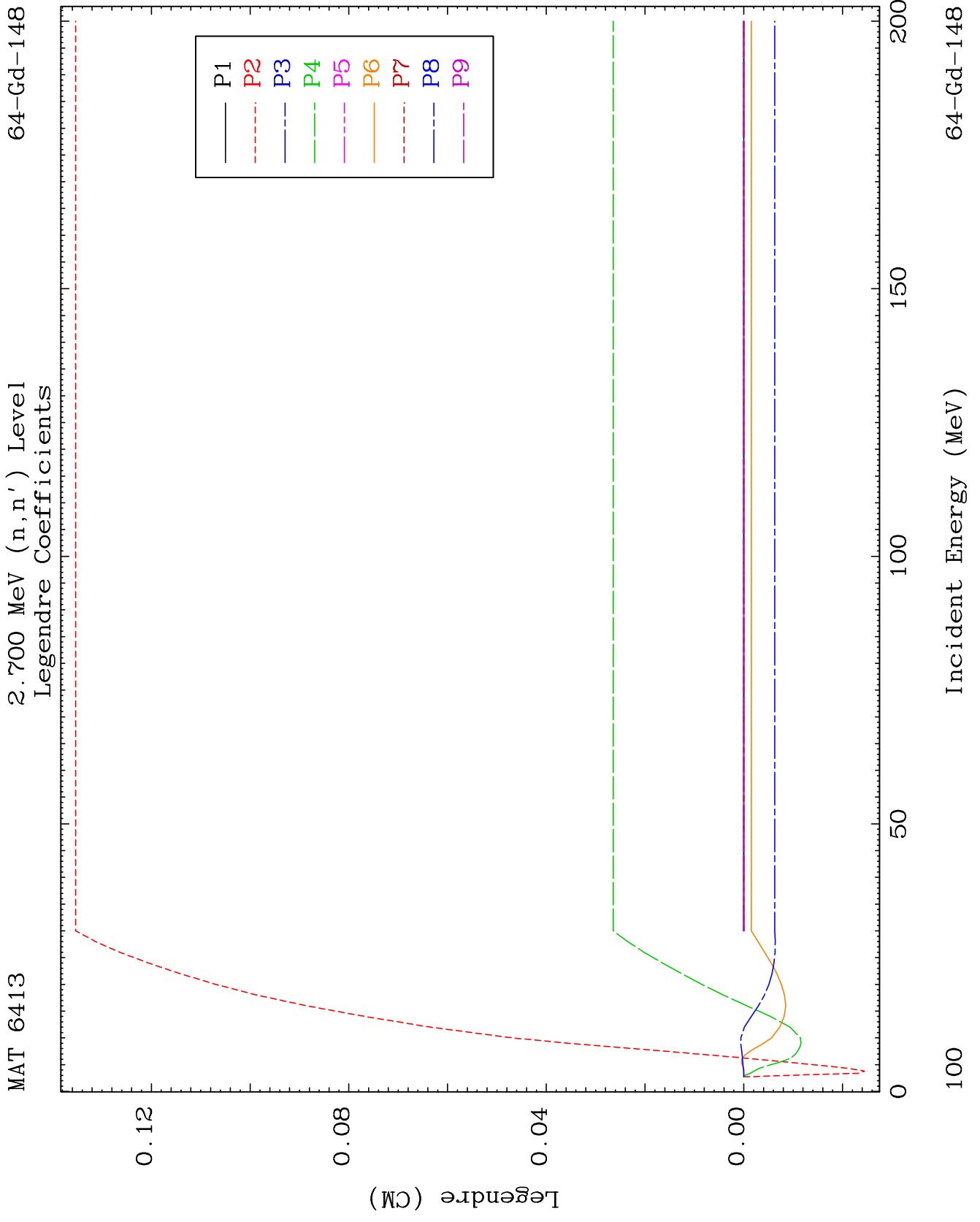
64-Gd-148

MAT 6413

2.695 MeV (n,n') Level
Legendre Coefficients

64-Gd-148

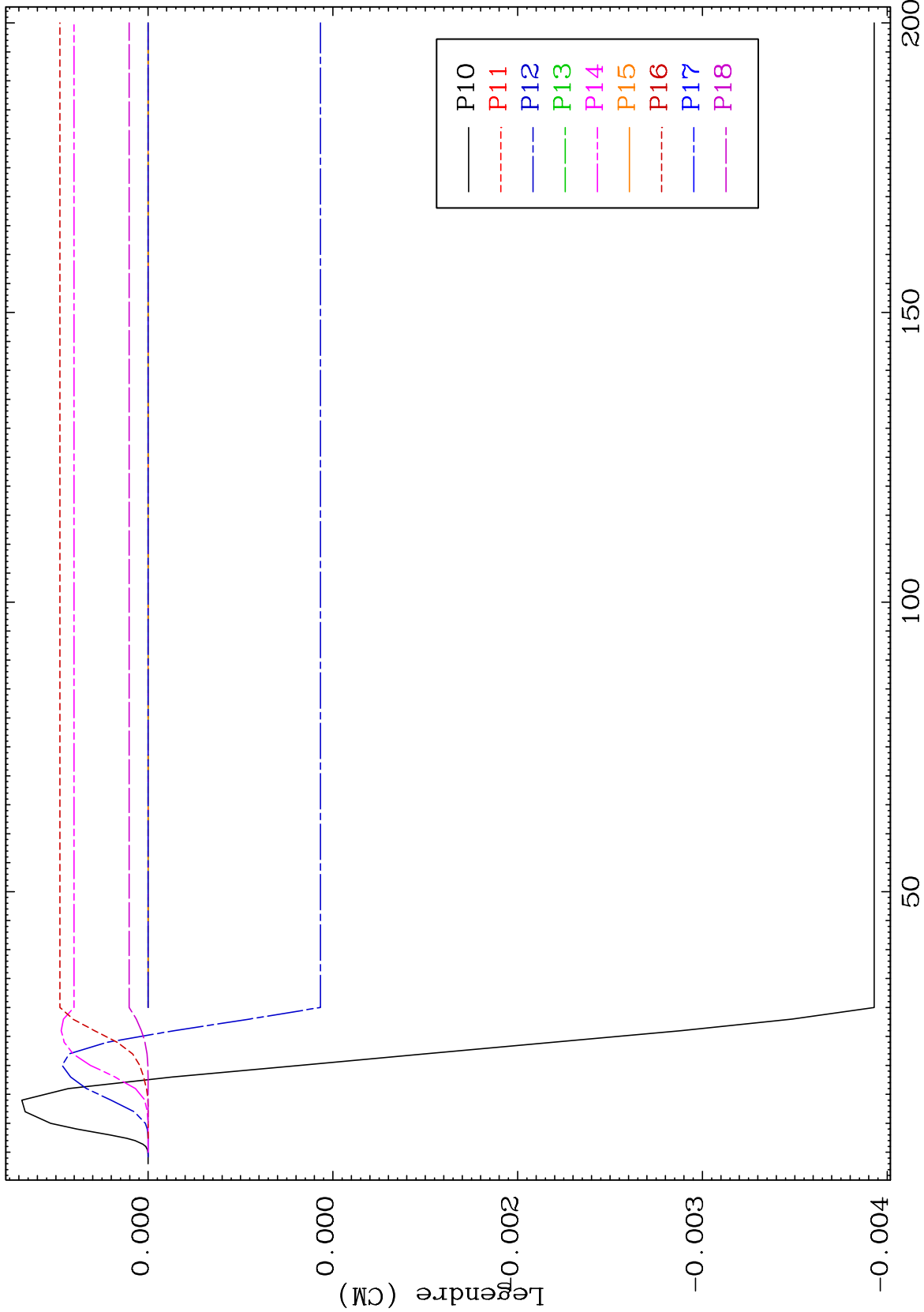




MAT 6413

2.700 MeV (n,n') Level
Legendre Coefficients

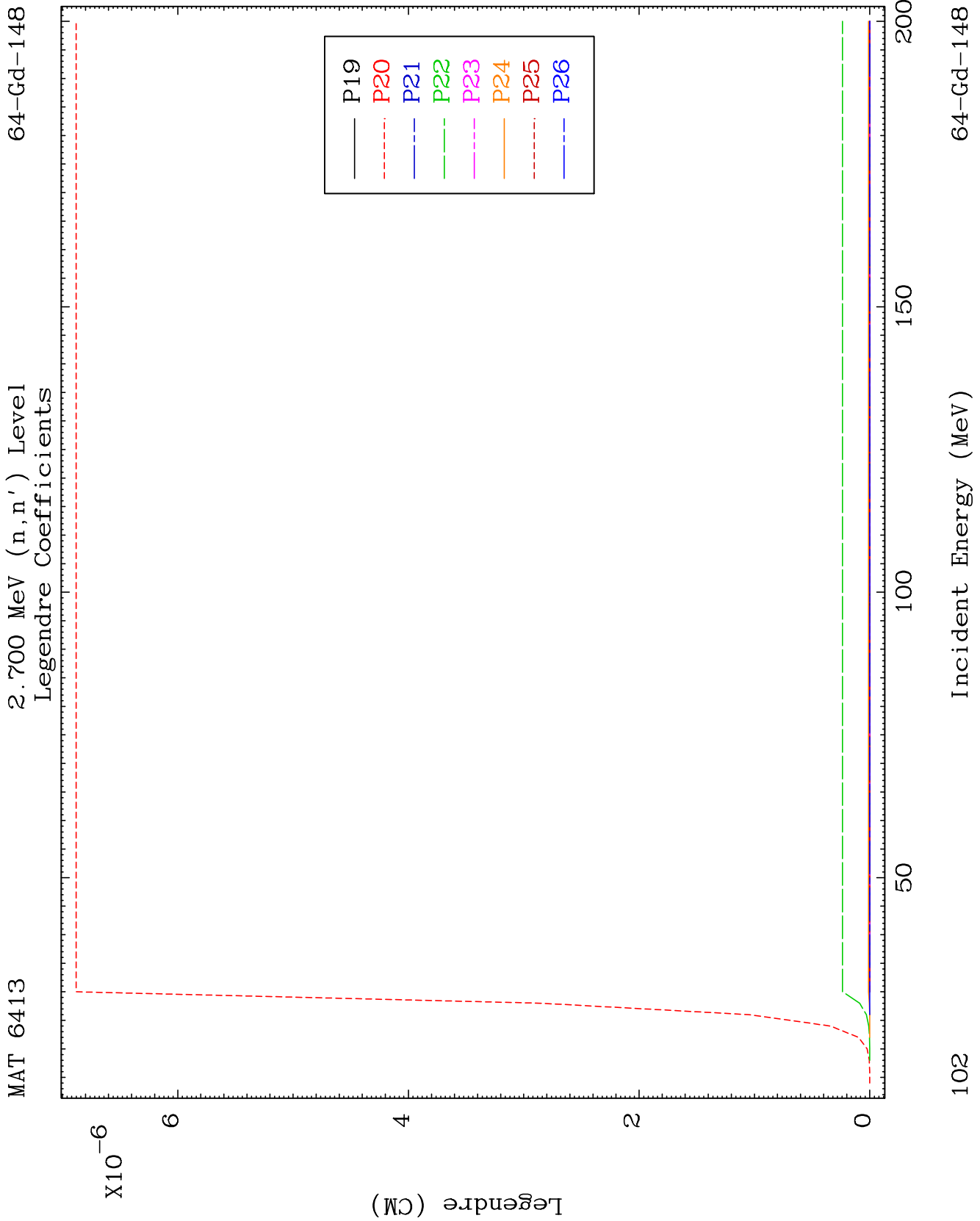
64-Gd-148



101

Incident Energy (MeV)

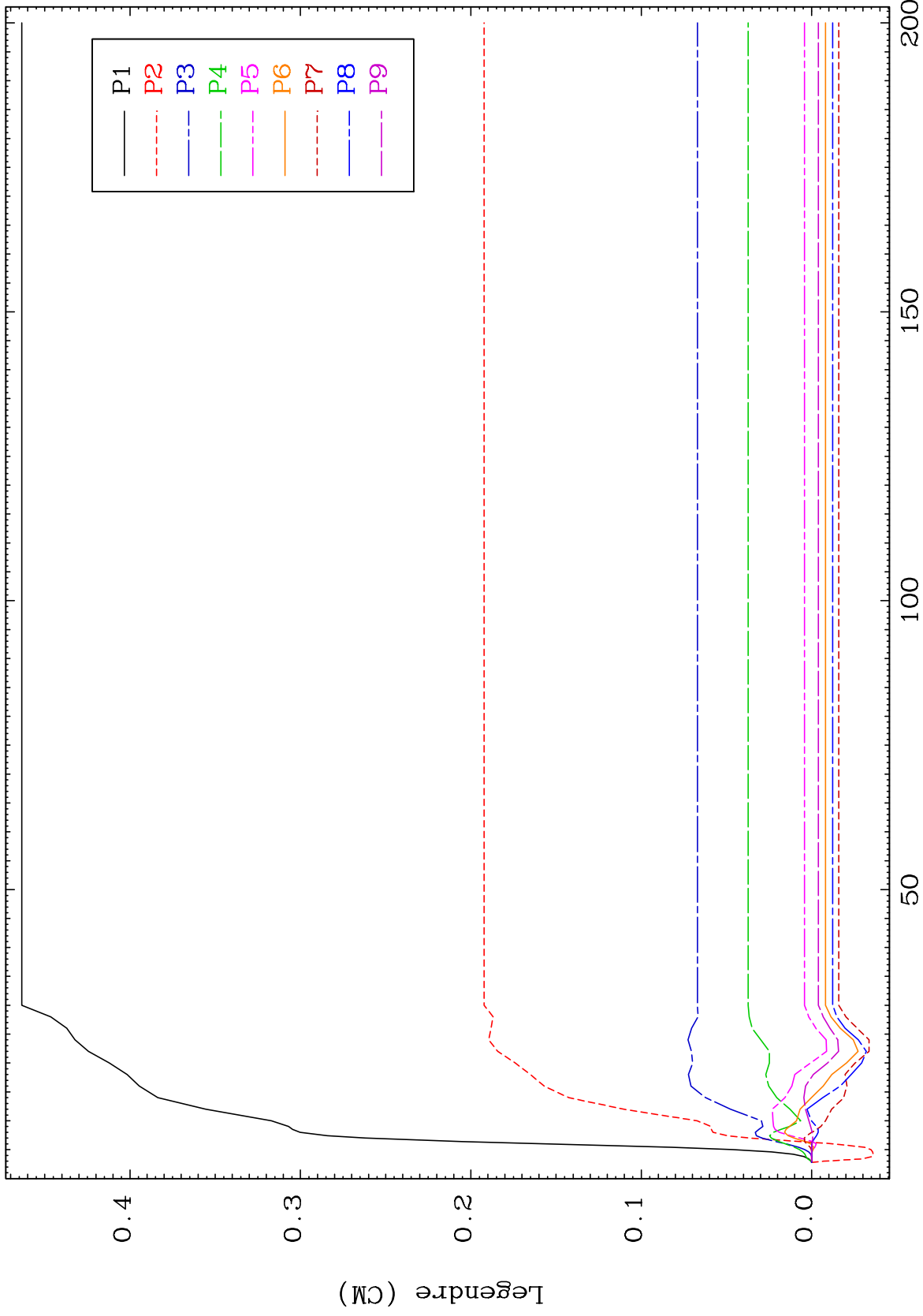
64-Gd-148



MAT 6413

2.763 MeV (n,n') Level
Legendre Coefficients

64-Gd-148



103

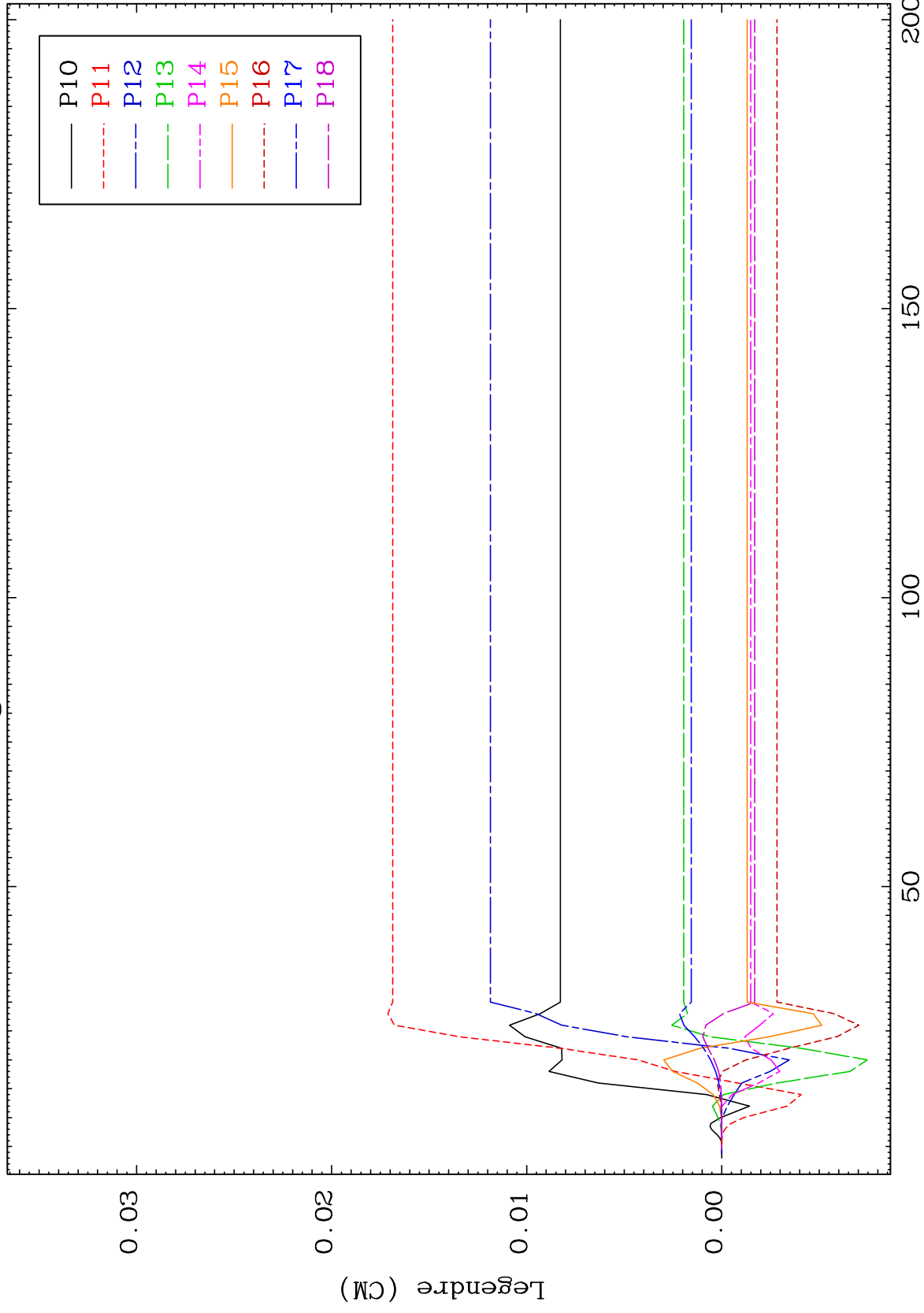
Incident Energy (MeV)

64-Gd-148

MAT 6413

2.763 MeV (n,n') Level
Legendre Coefficients

64-Gd-148



104

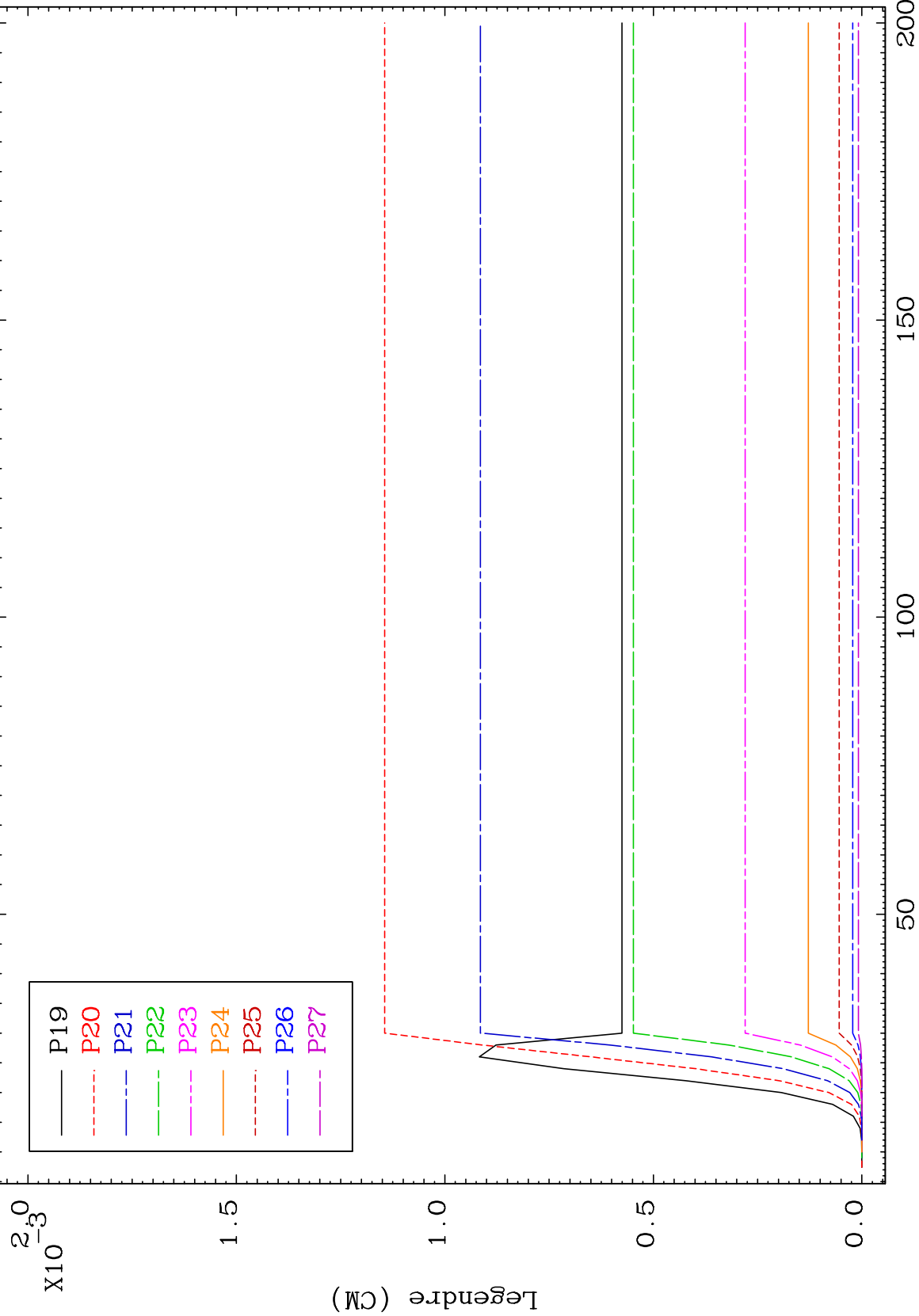
Incident Energy (MeV)

64-Gd-148

MAT 6413

2.763 MeV (n, n') Level
Legendre Coefficients

64-Gd-148



105

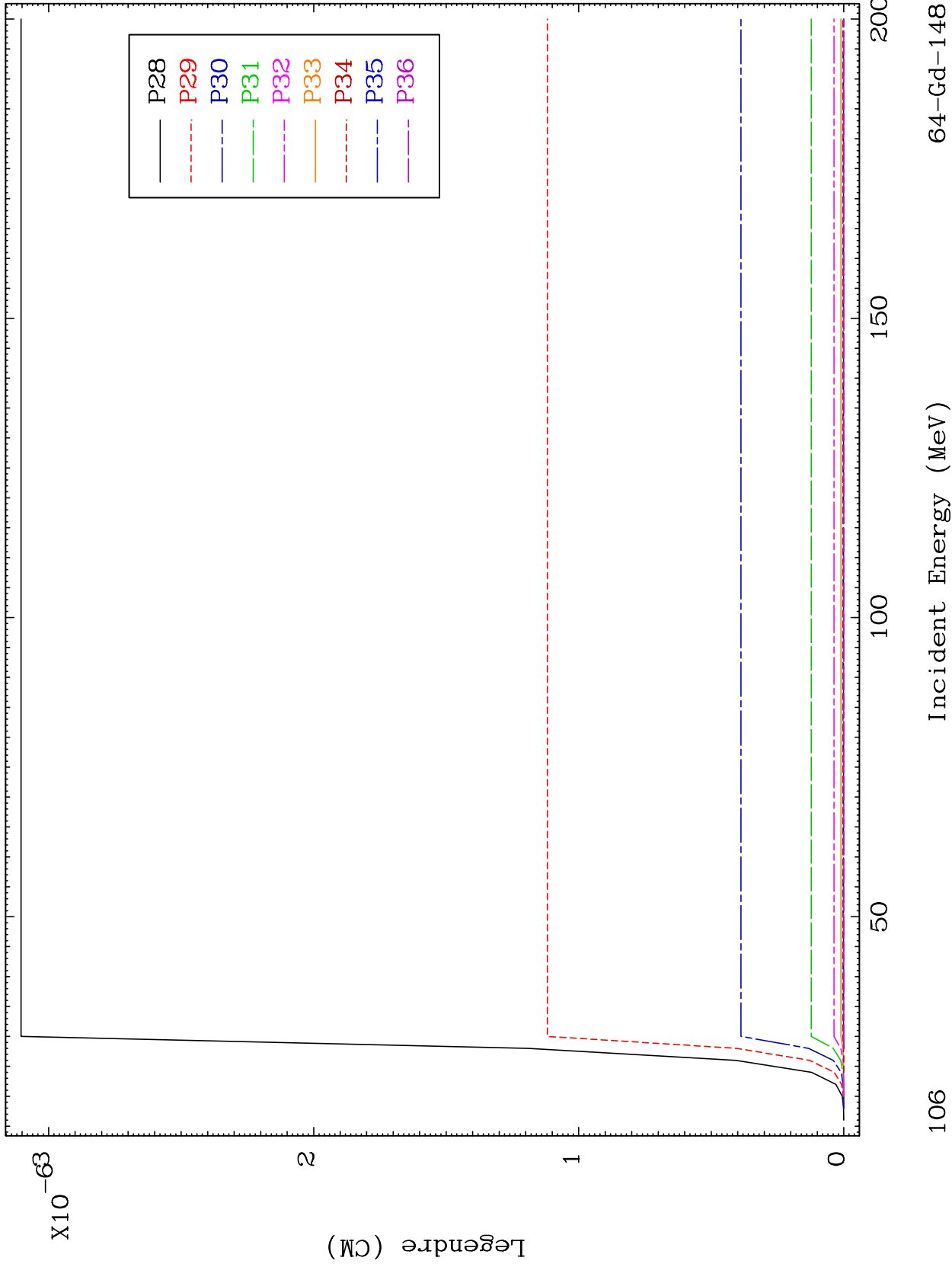
Incident Energy (MeV)

64-Gd-148

MAT 6413

2.763 MeV (n,n') Level
Legendre Coefficients

64-Gd-148



64-Gd-148

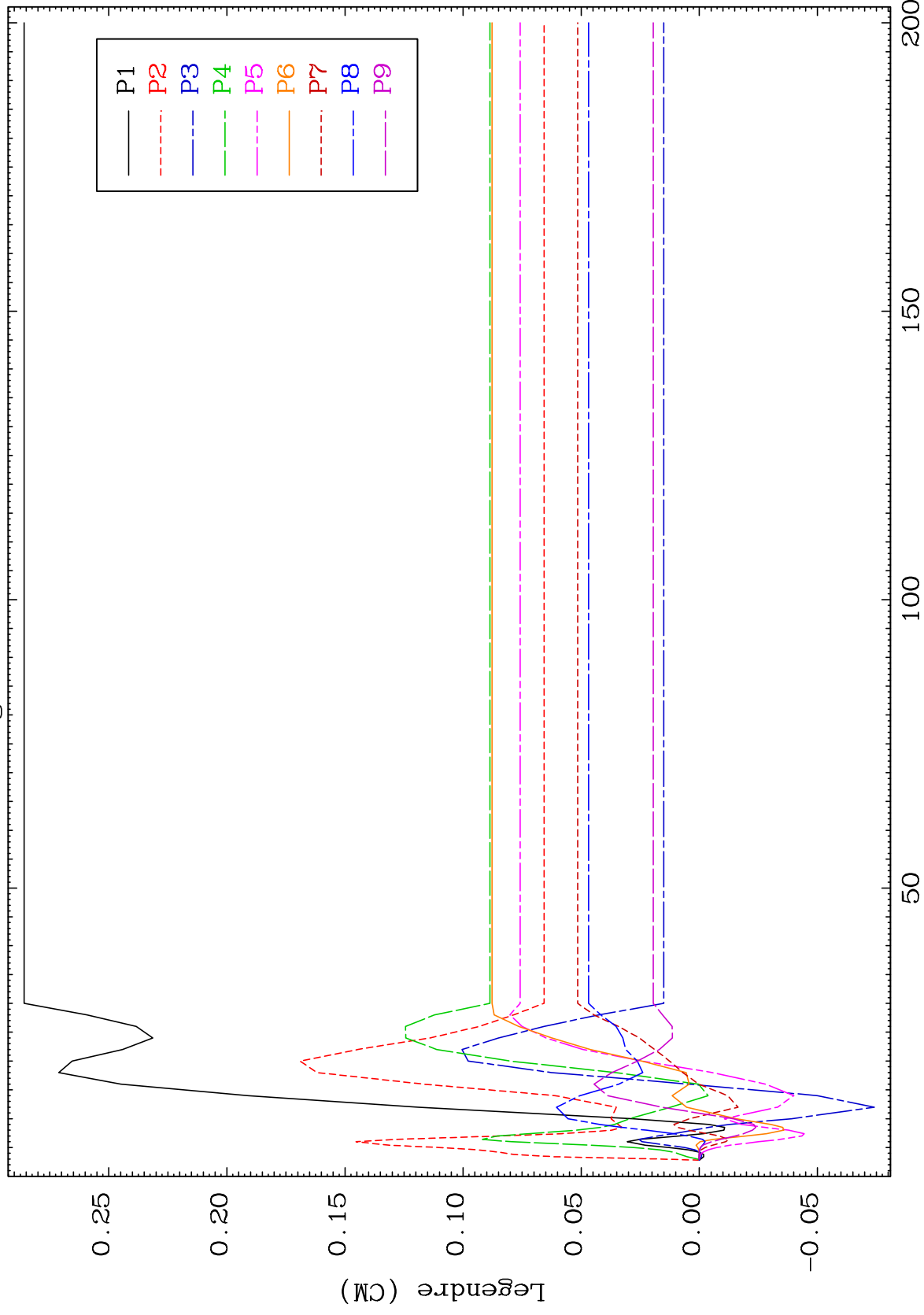
Incident Energy (MeV)

106

MAT 6413

2.783 MeV (n,n') Level
Legendre Coefficients

64-Gd-148



107

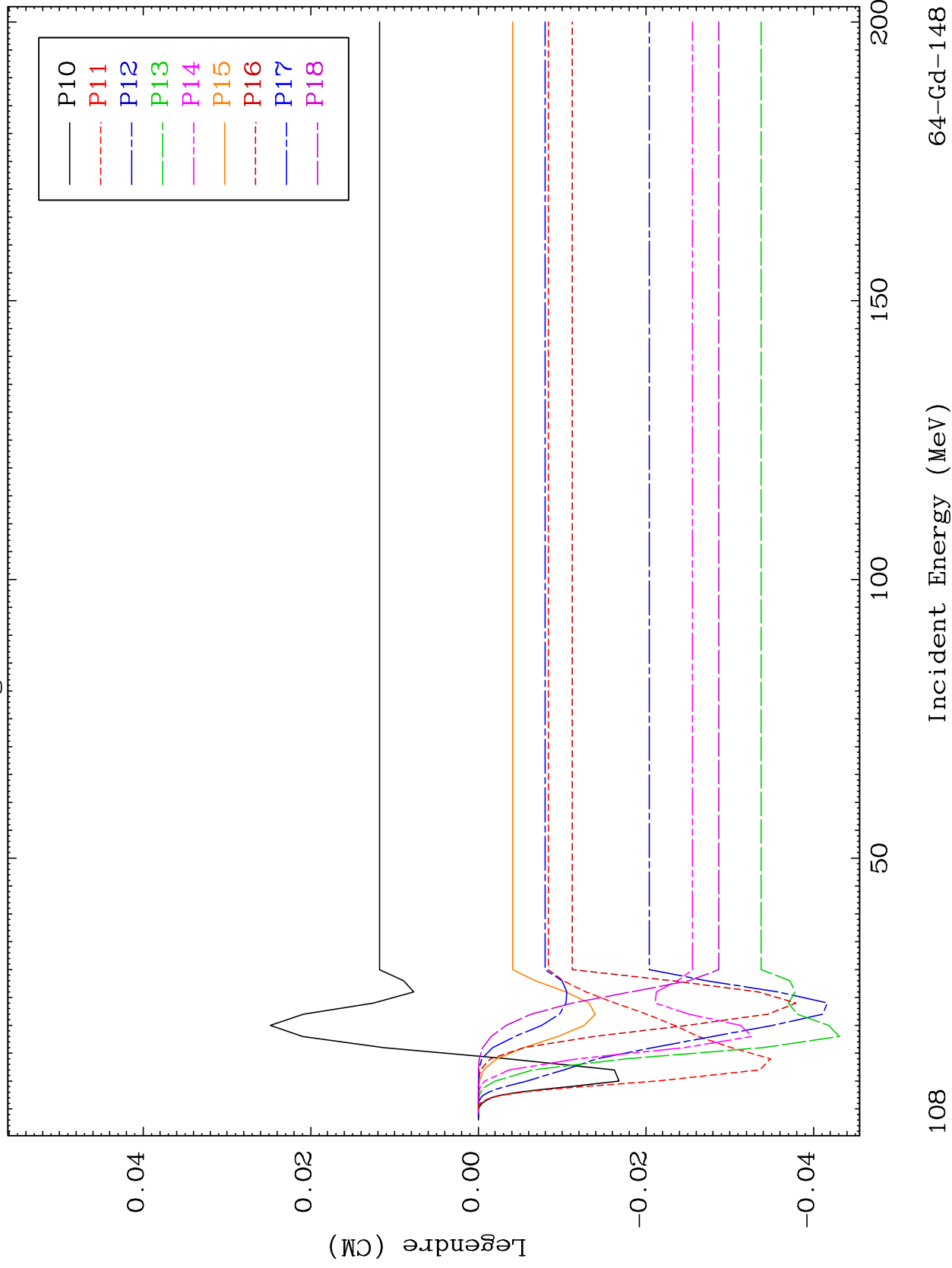
Incident Energy (MeV)

64-Gd-148

MAT 6413

2.783 MeV (n,n') Level
Legendre Coefficients

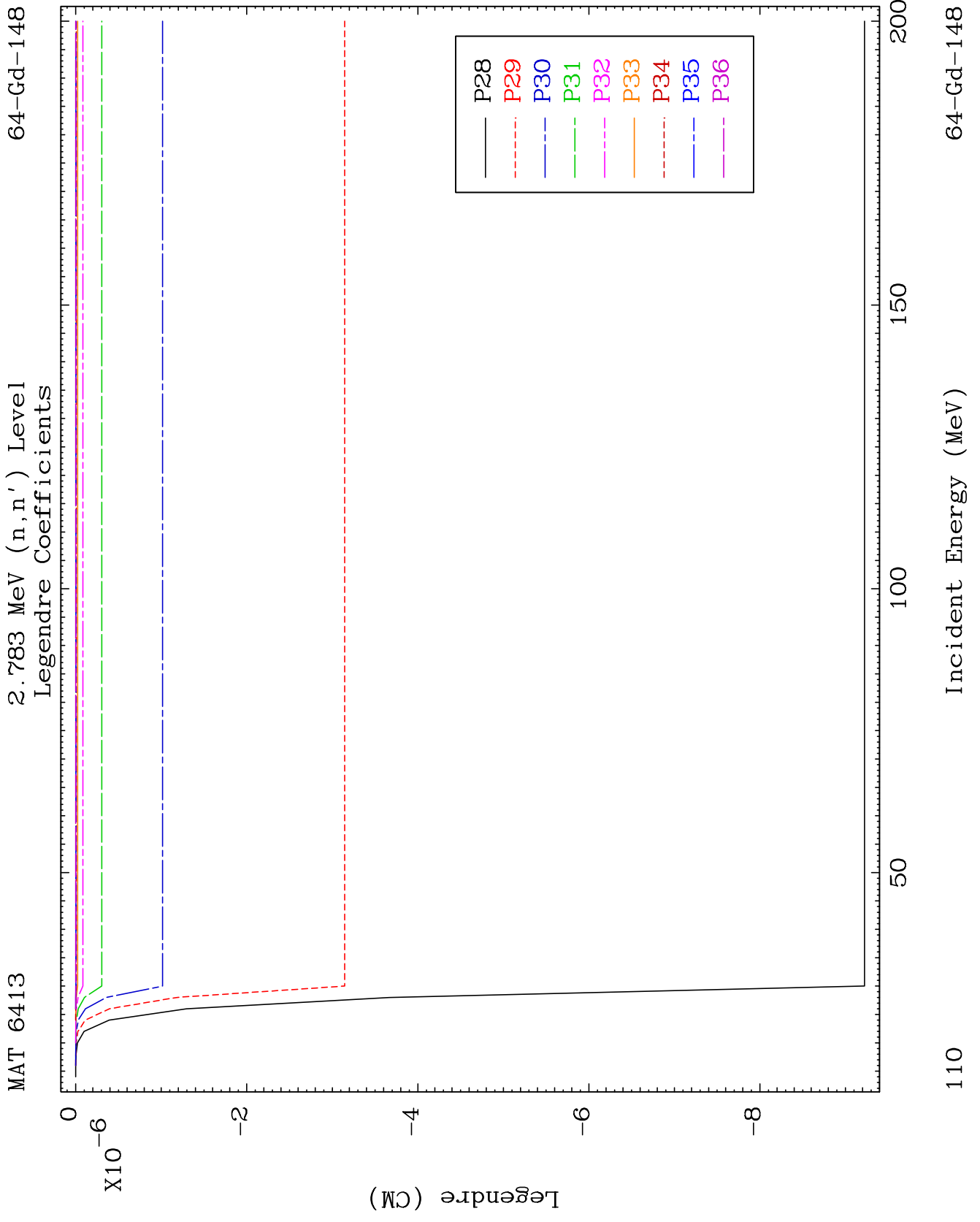
64-Gd-148

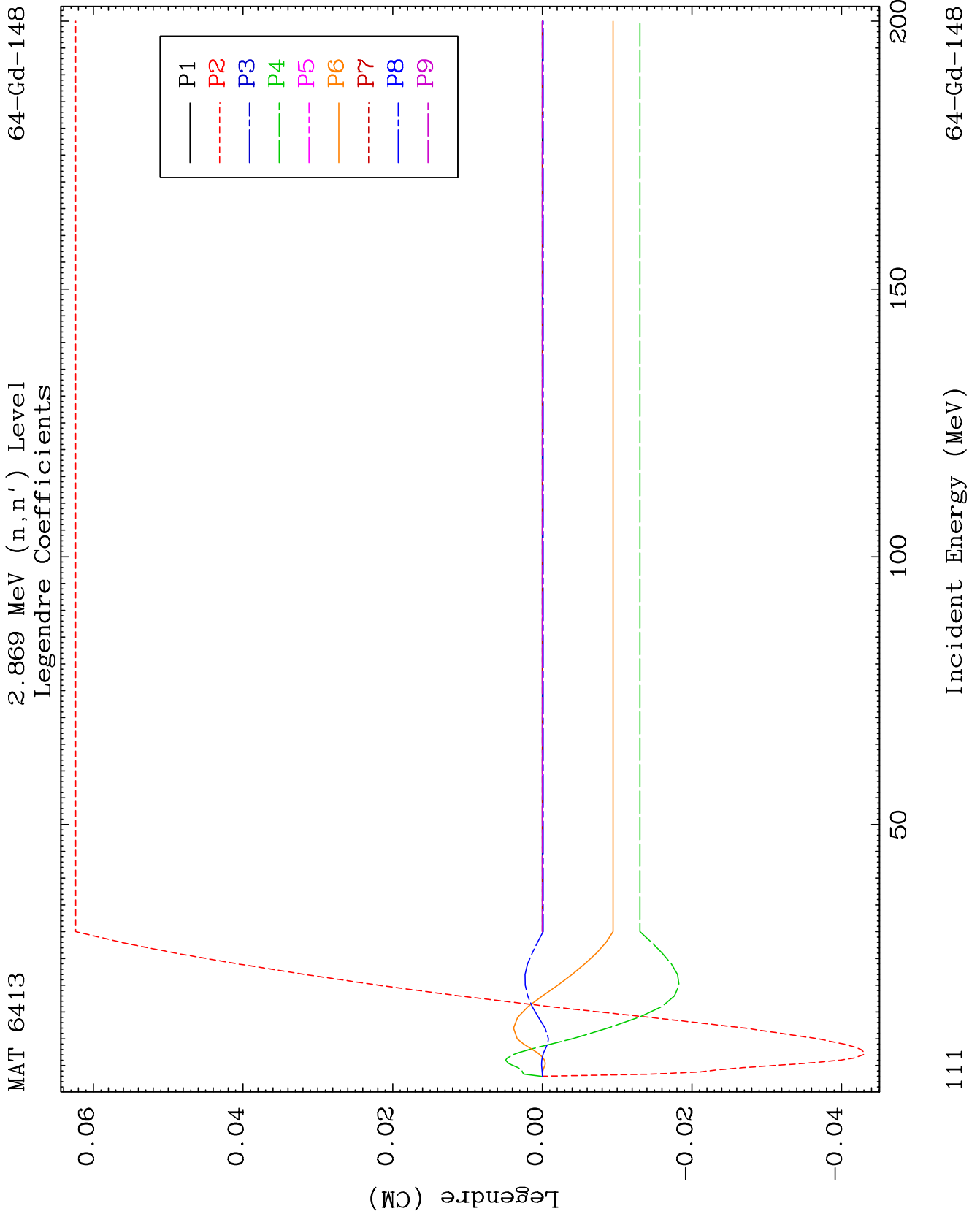


108

Incident Energy (MeV)

64-Gd-148

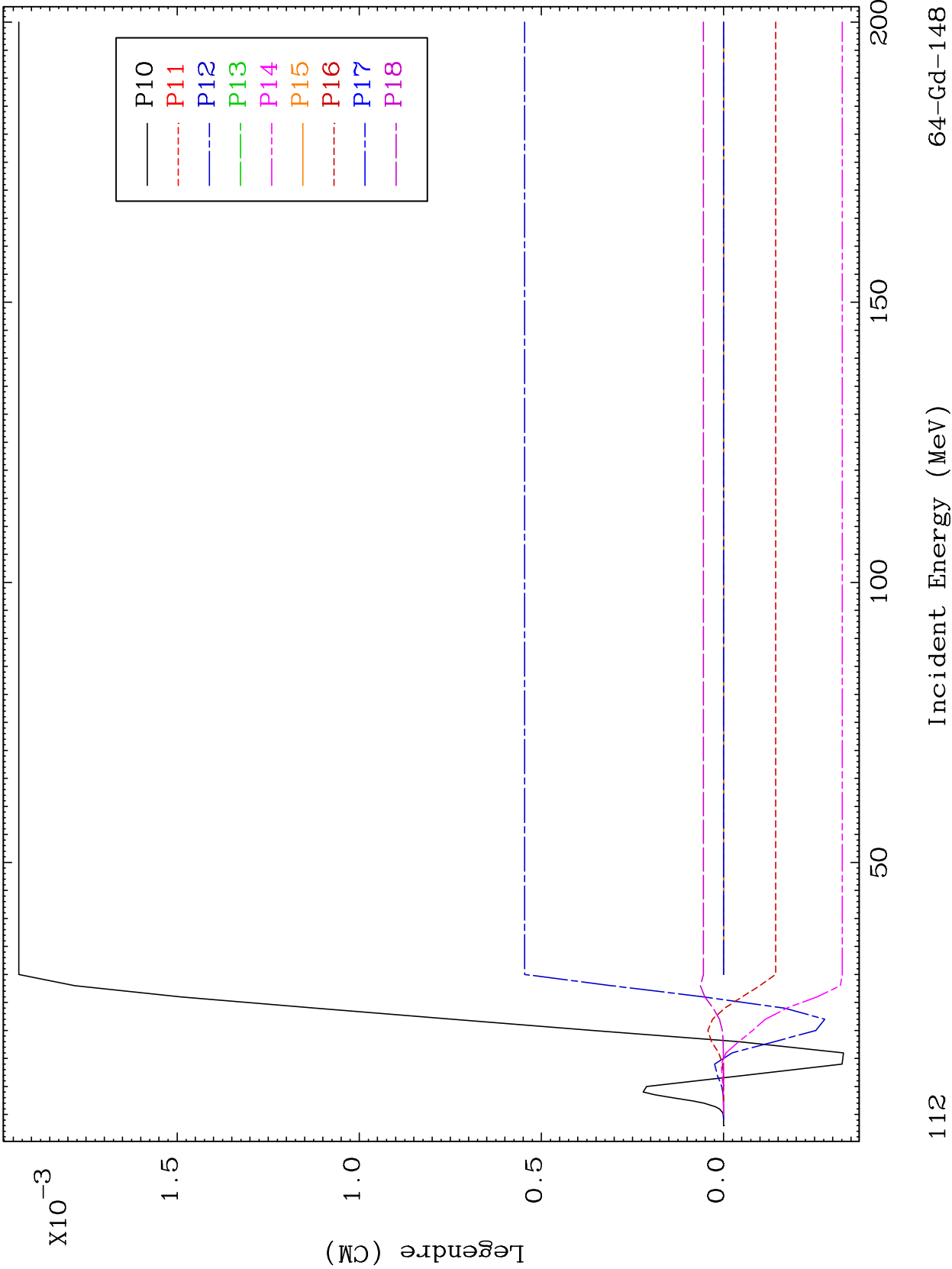




MAT 6413

2.869 MeV (n,n') Level
Legendre Coefficients

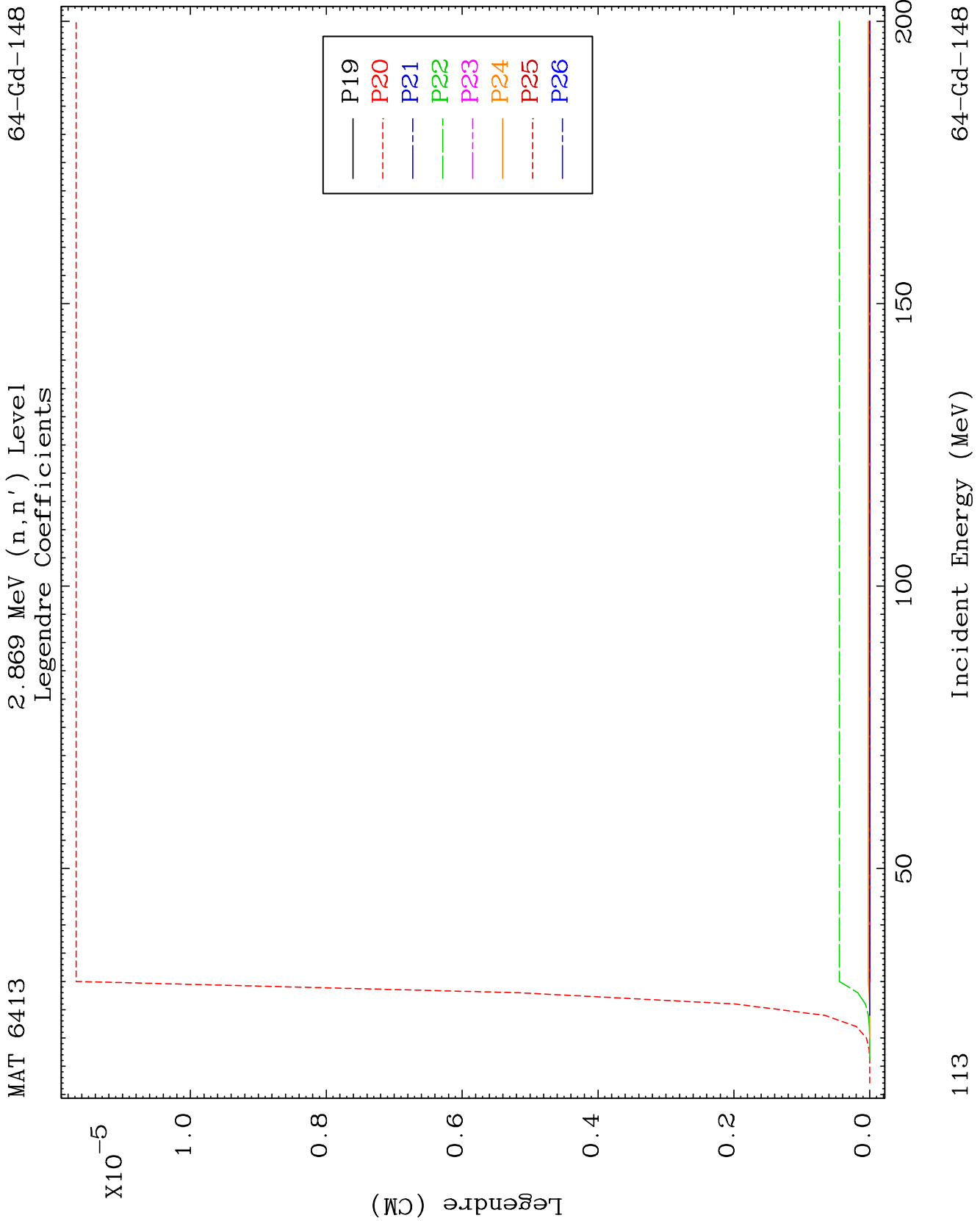
64-Gd-148



112

Incident Energy (MeV)

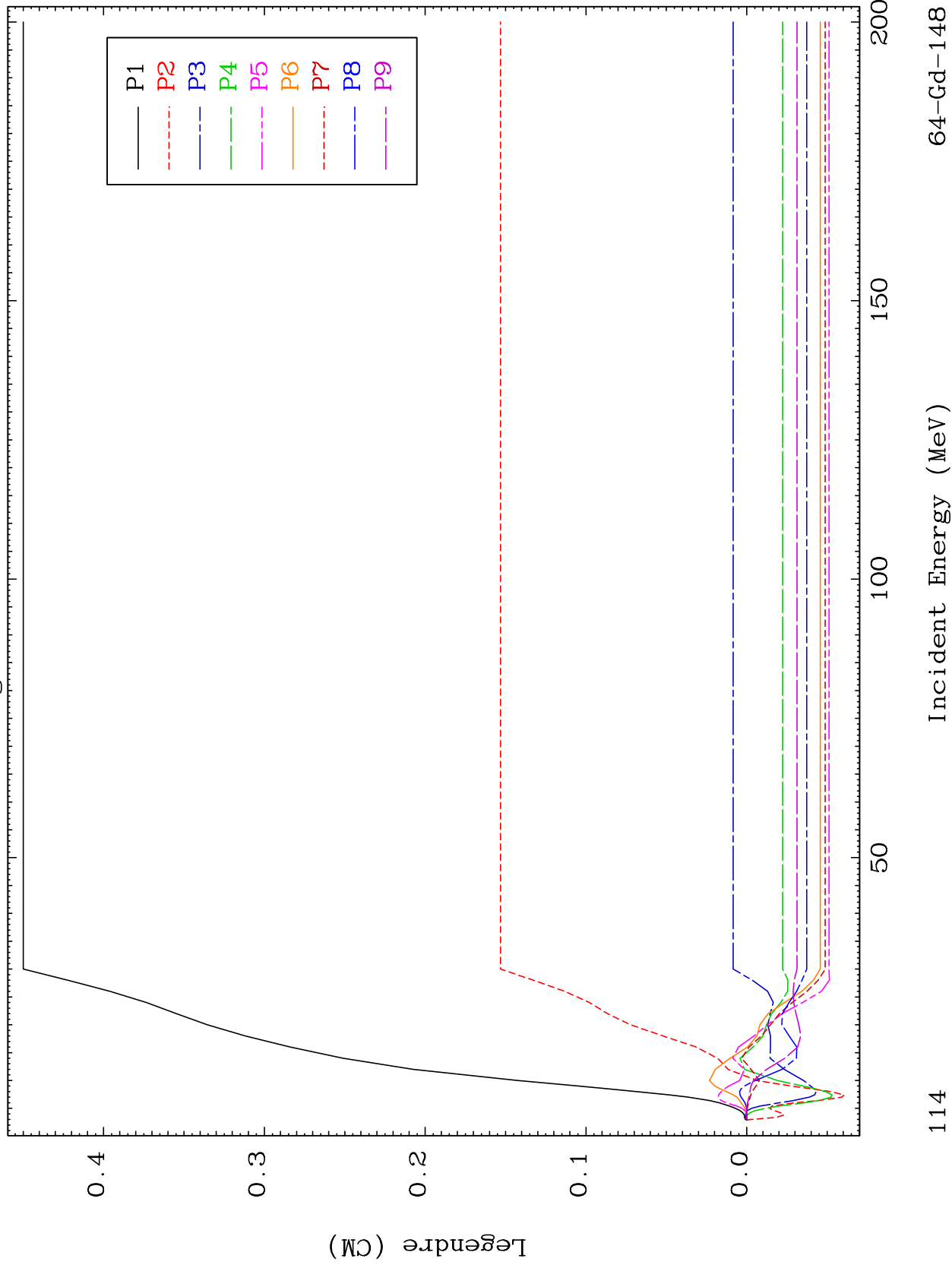
64-Gd-148



MAT 6413

2.873 MeV (n,n') Level
Legendre Coefficients

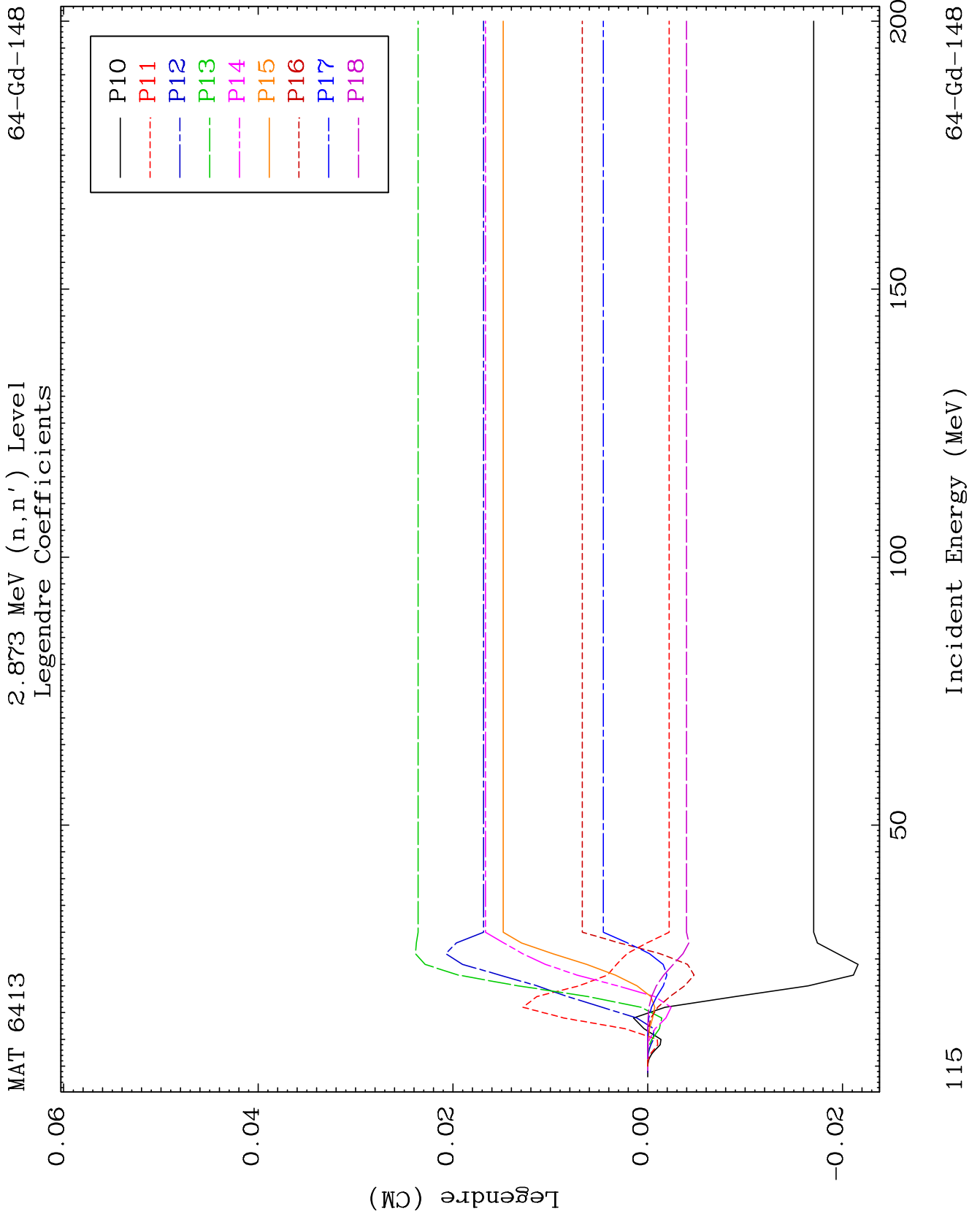
64-Gd-148



114

Incident Energy (MeV)

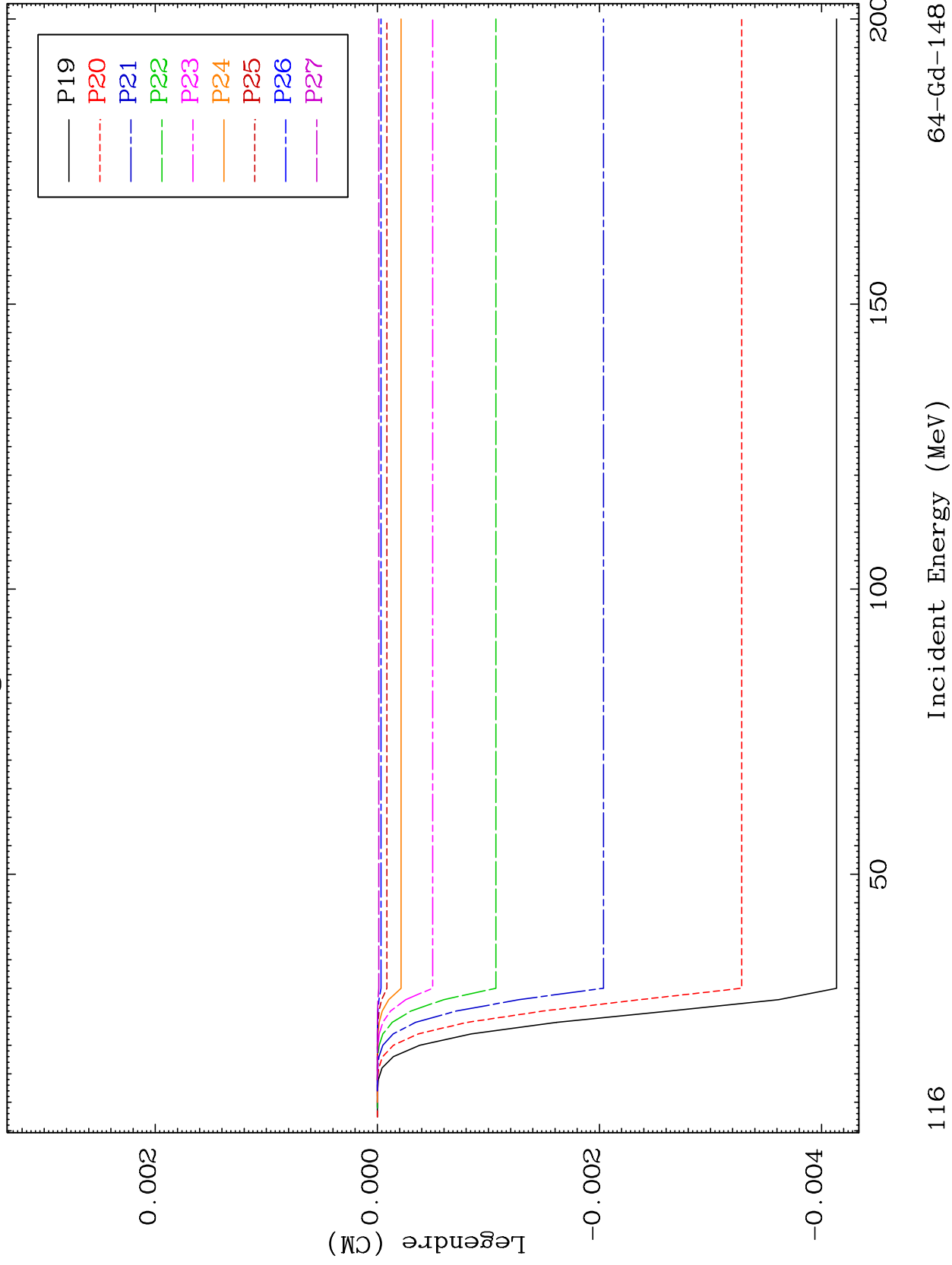
64-Gd-148



MAT 6413

2.873 MeV (n,n') Level
Legendre Coefficients

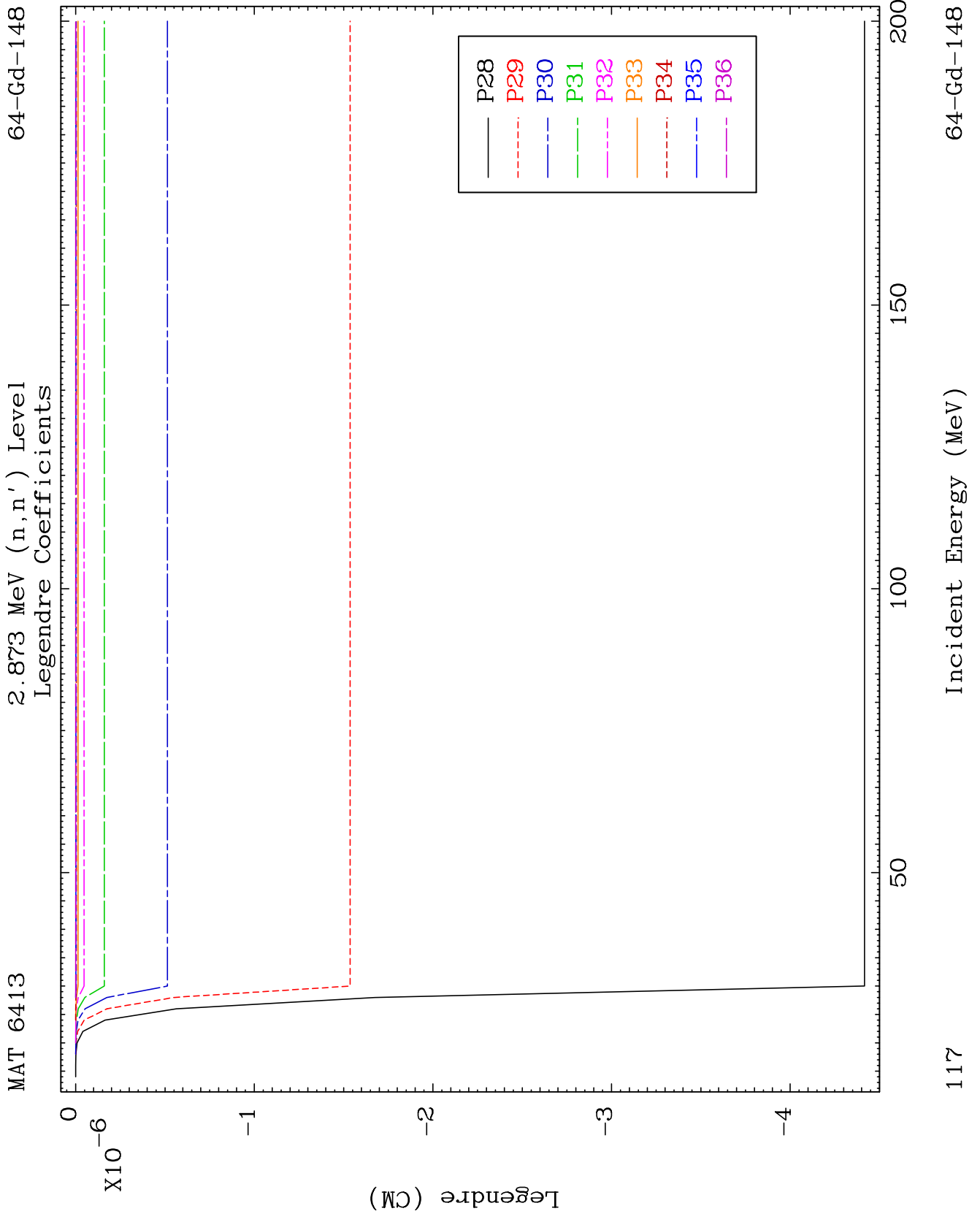
64-Gd-148



116

Incident Energy (MeV)

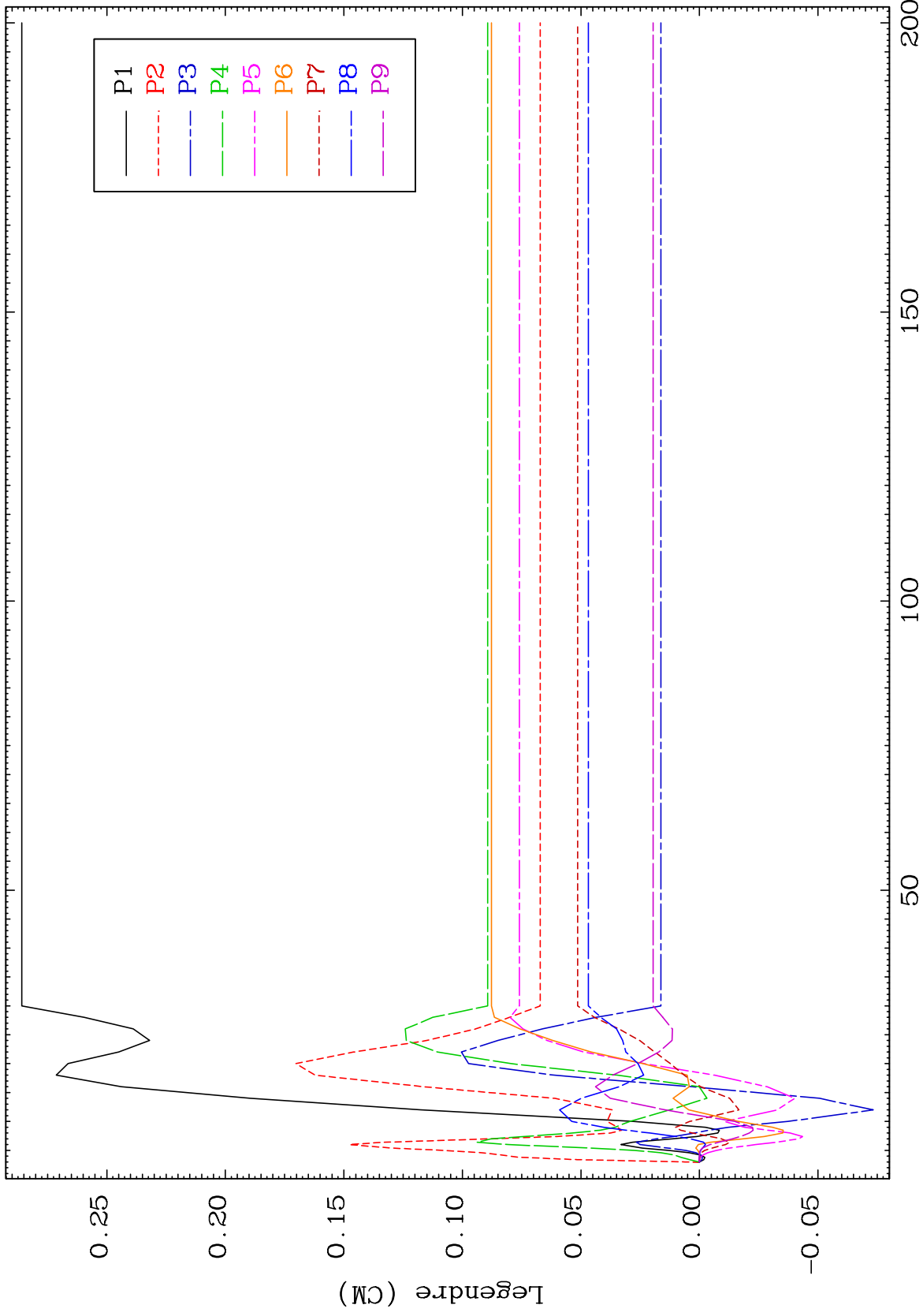
64-Gd-148



MAT 6413

2.886 MeV (n,n') Level
Legendre Coefficients

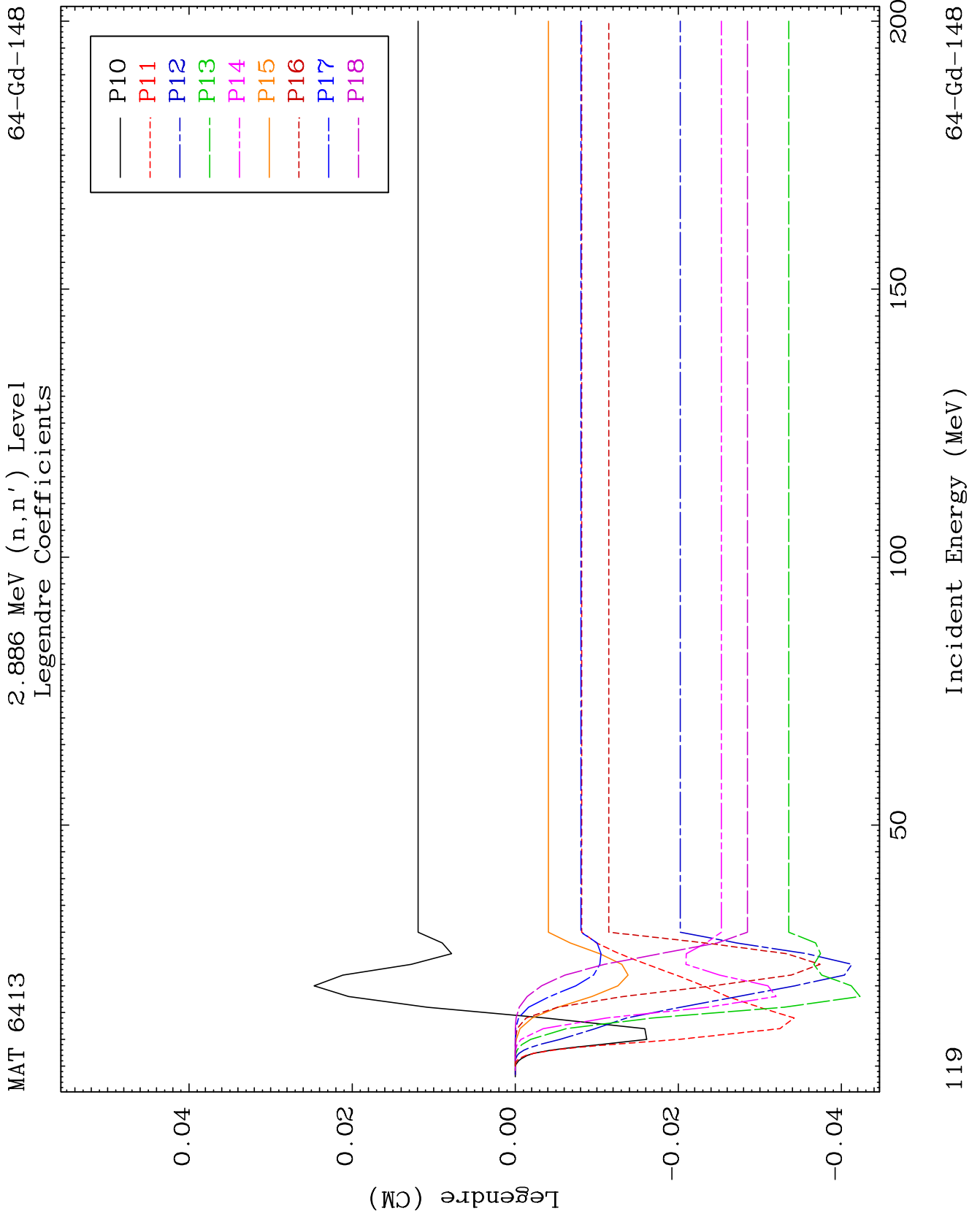
64-Gd-148

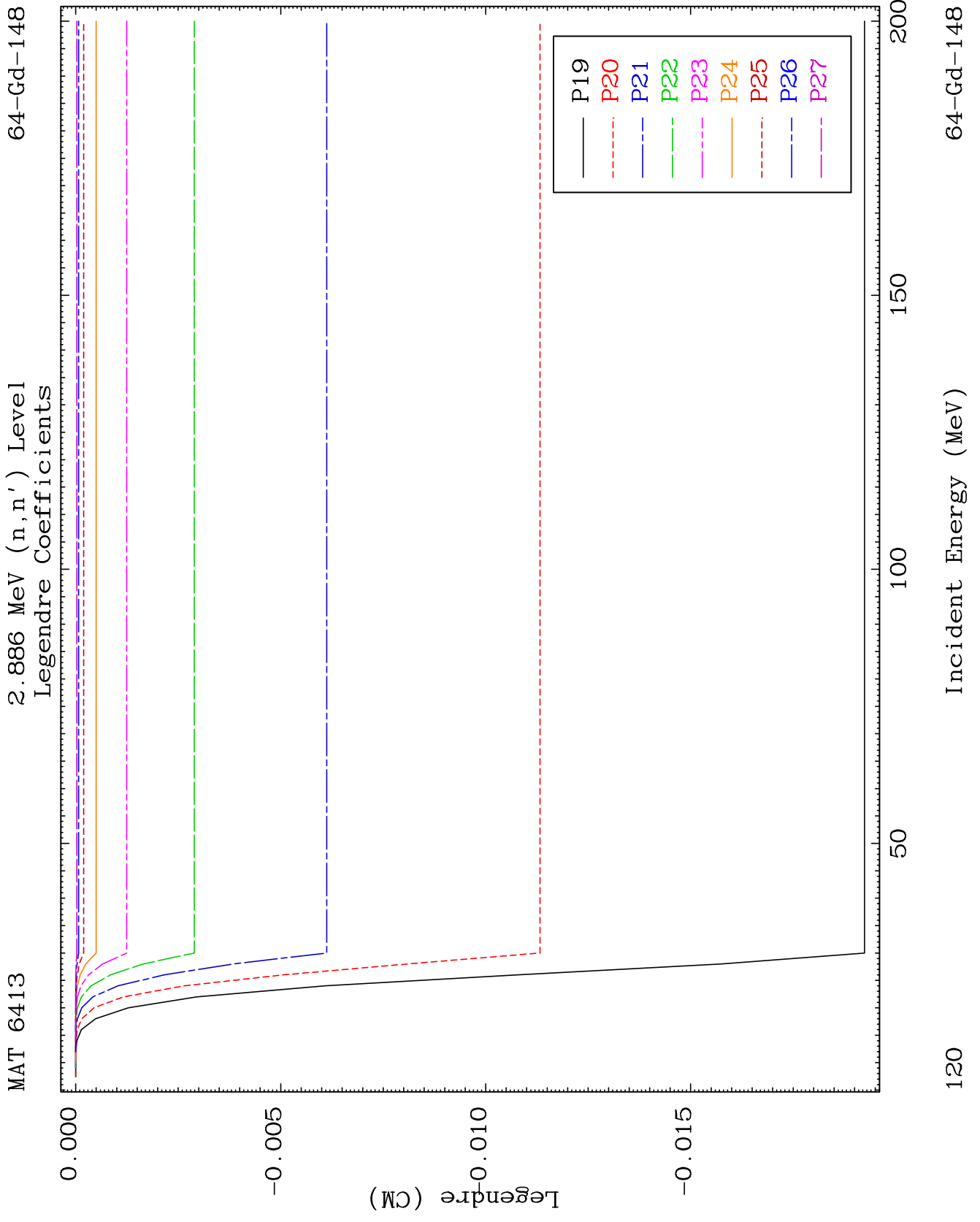


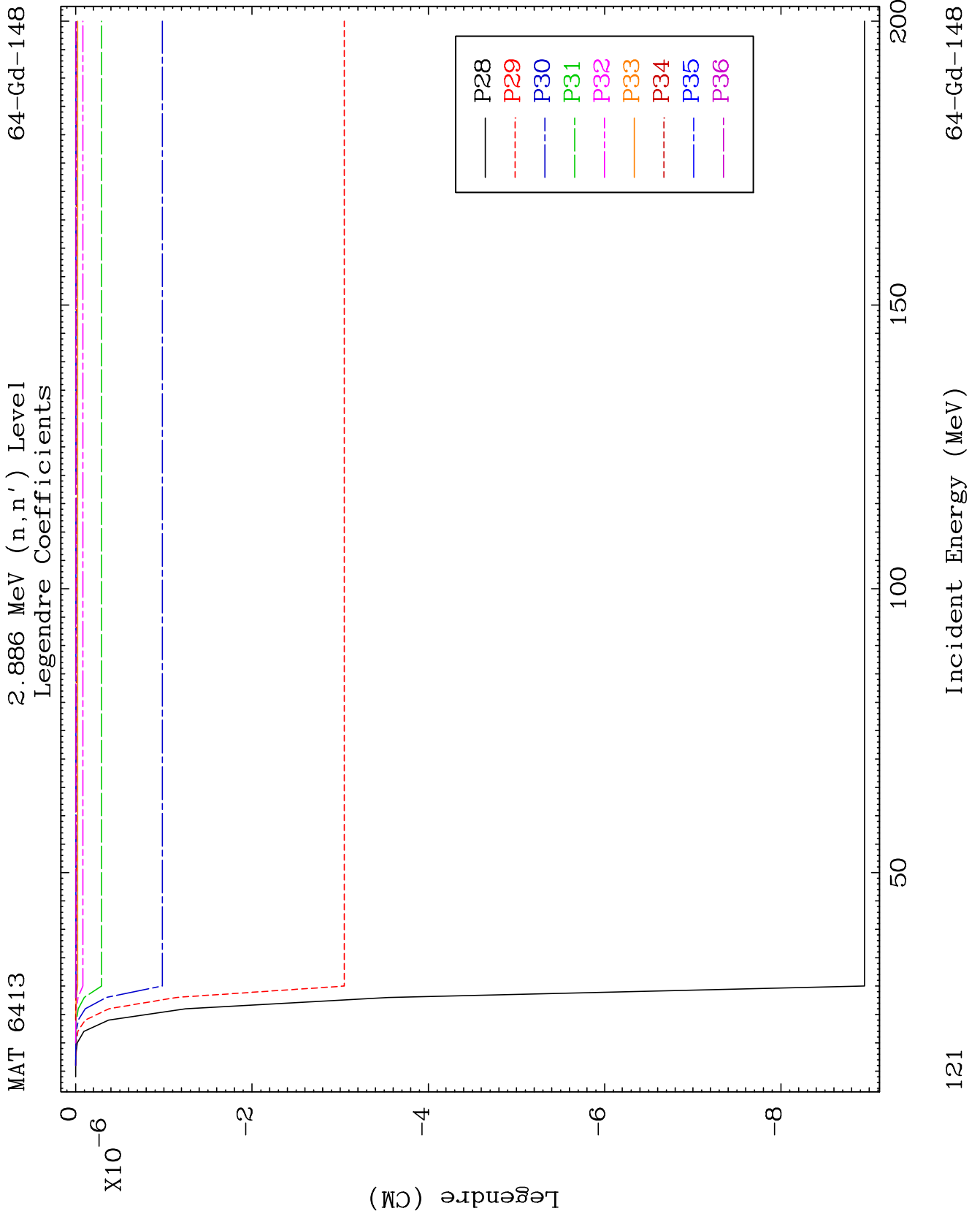
118

Incident Energy (MeV)

64-Gd-148



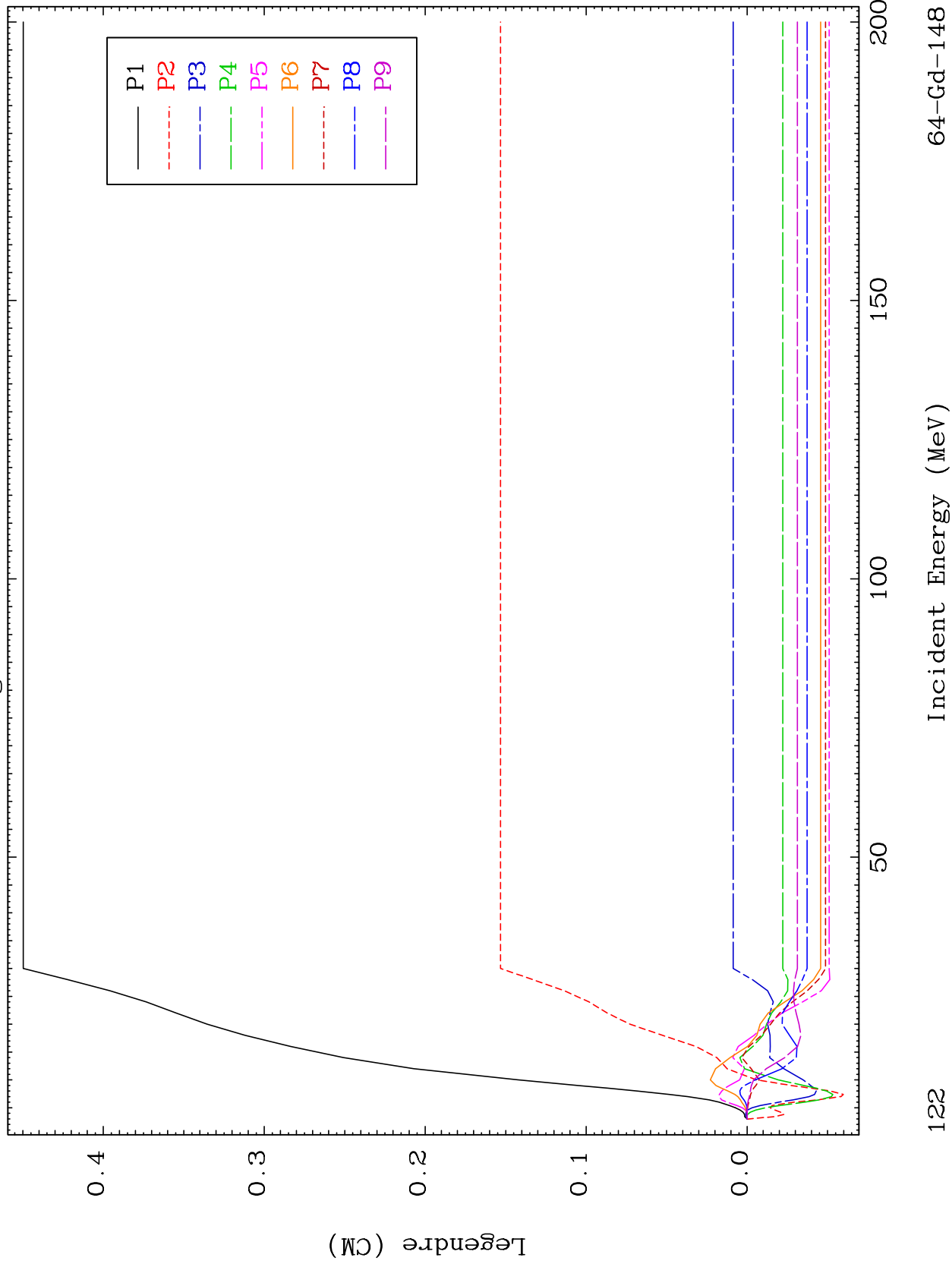




MAT 6413

2.916 MeV (n,n') Level
Legendre Coefficients

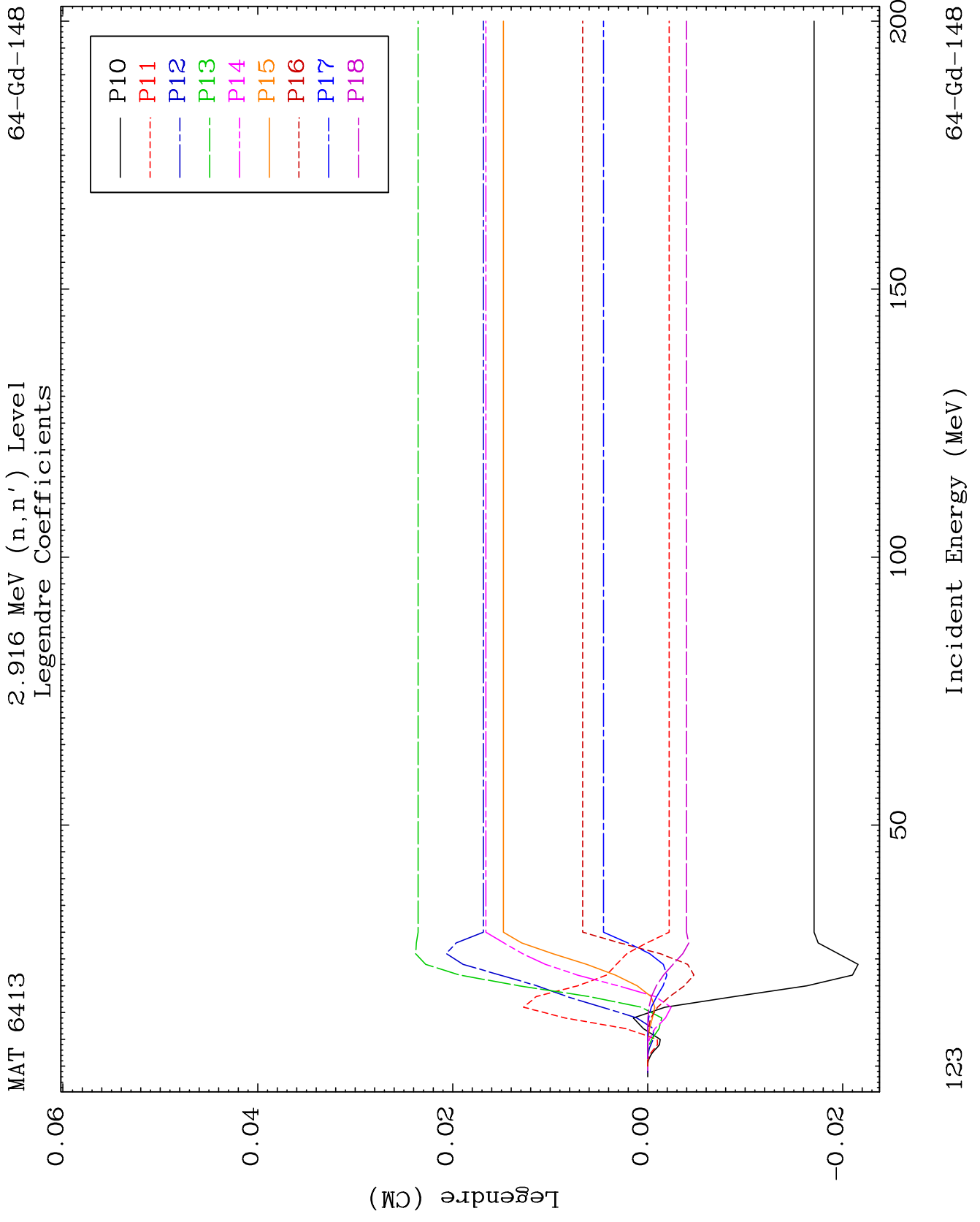
64-Gd-148

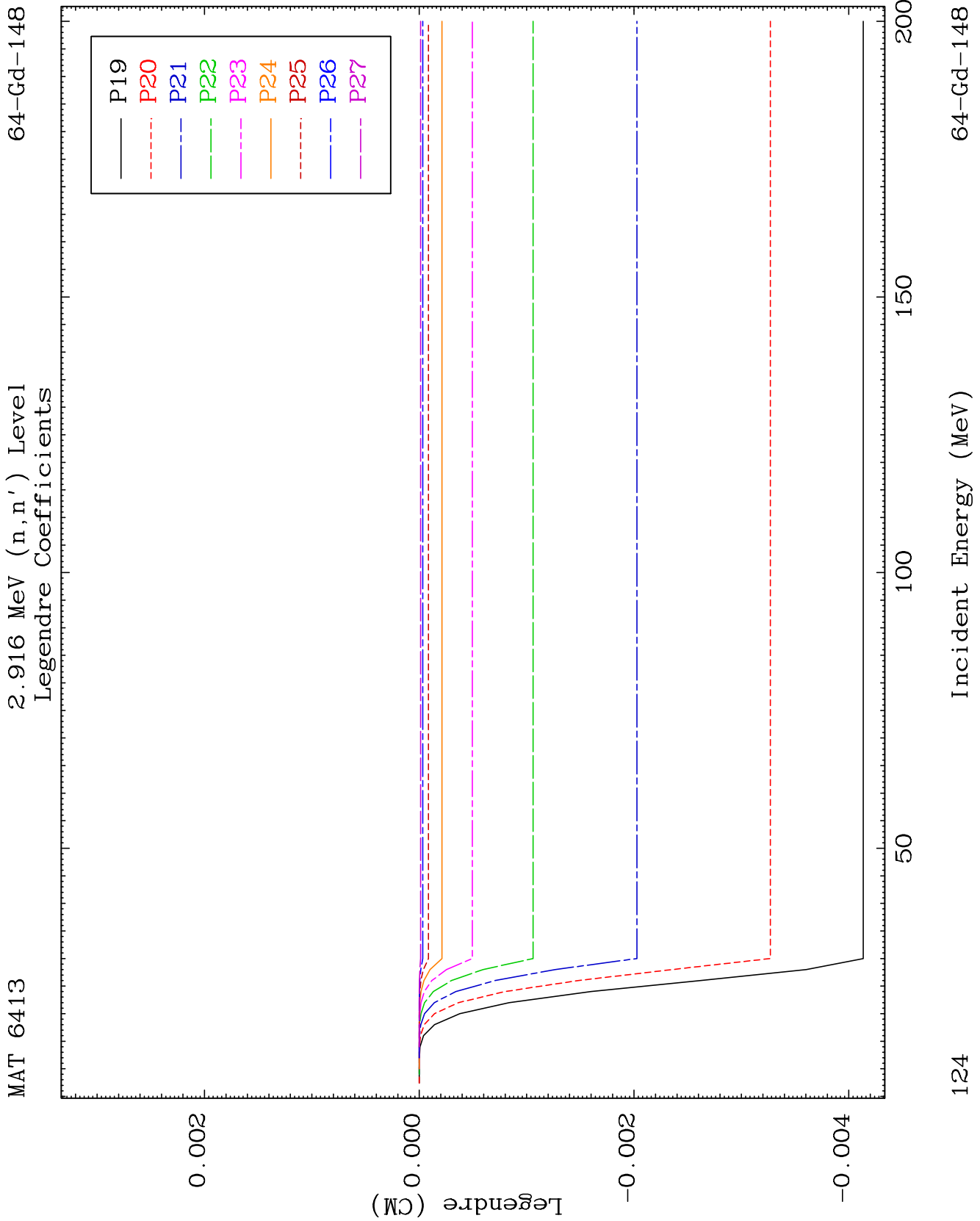


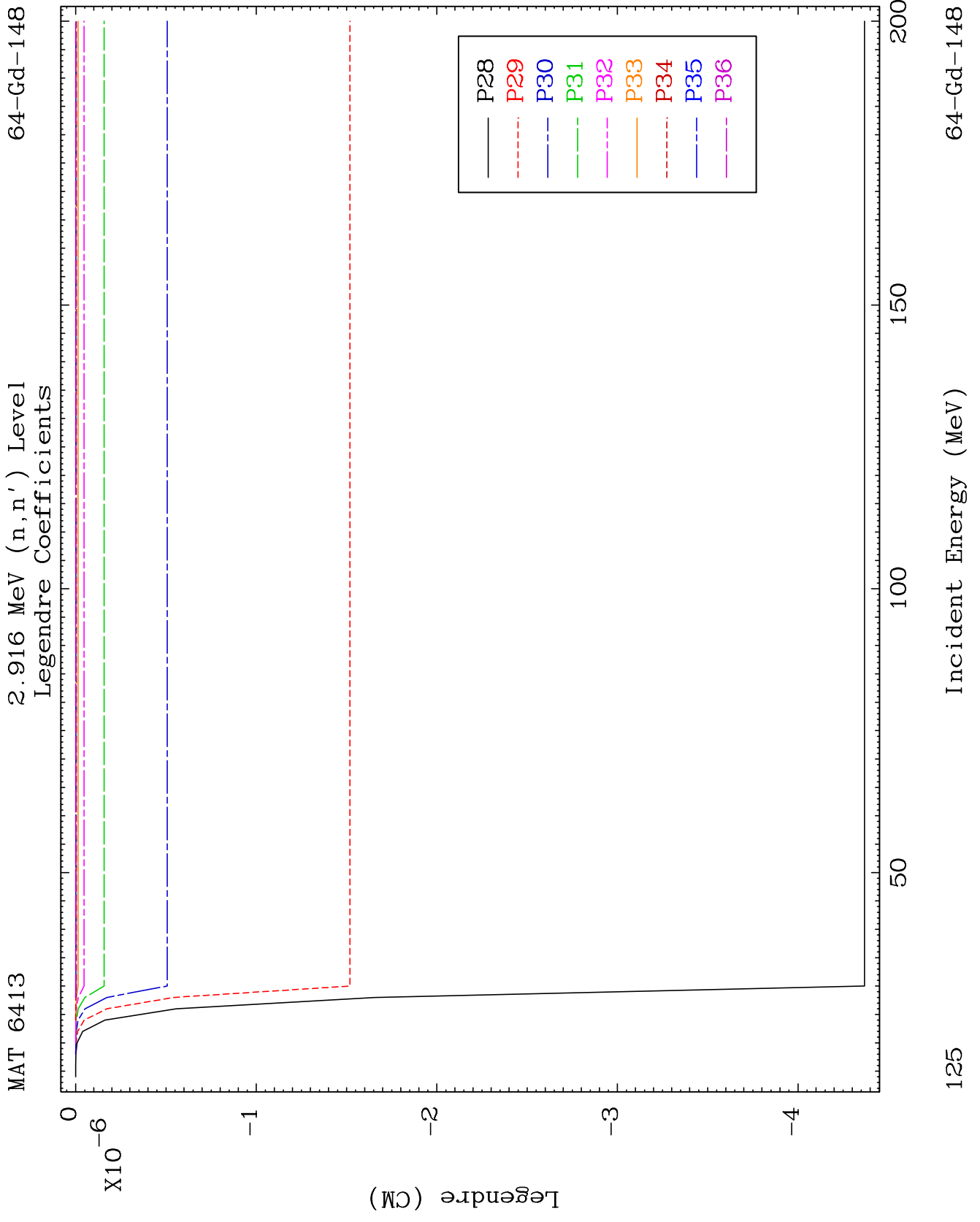
122

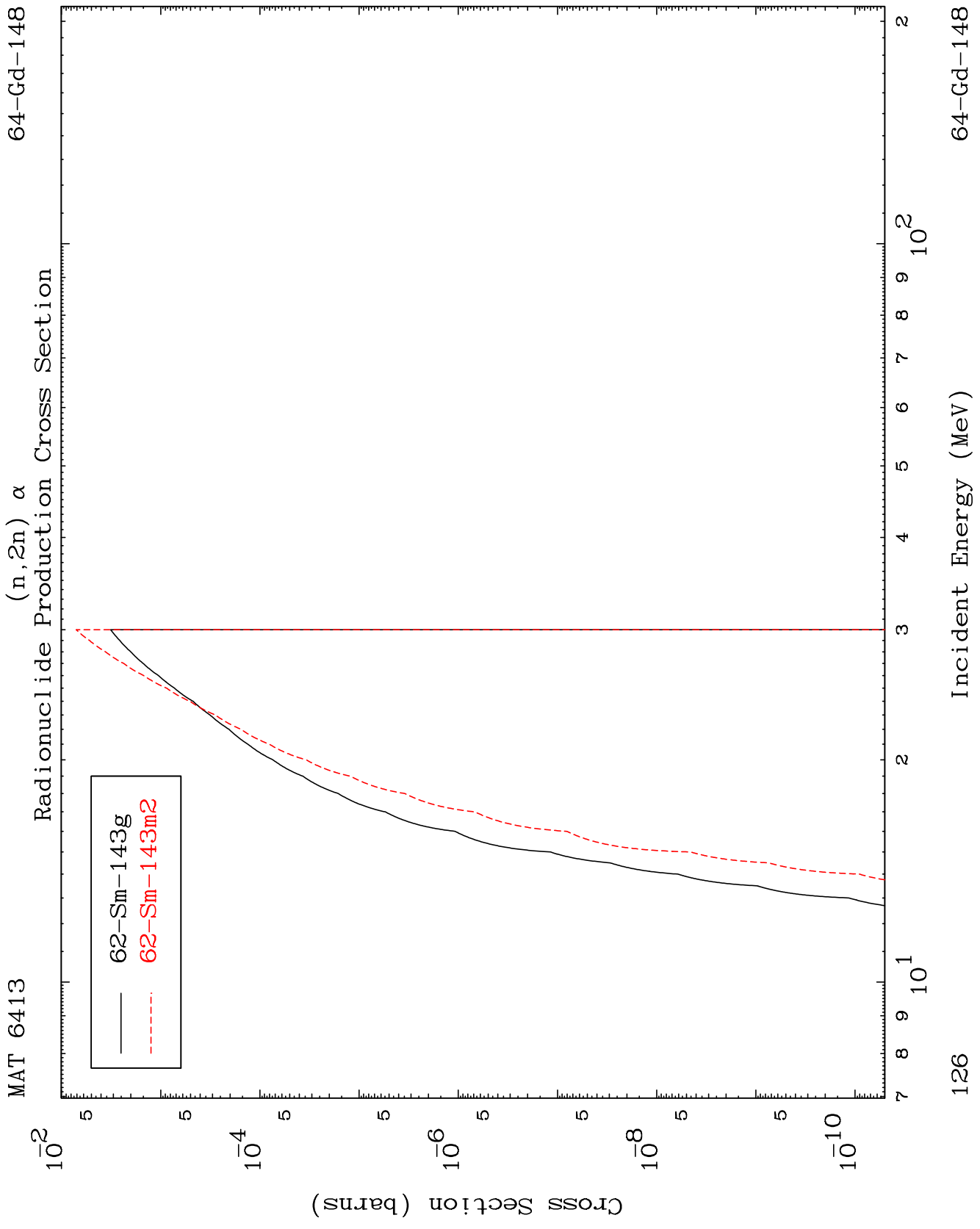
Incident Energy (MeV)

64-Gd-148







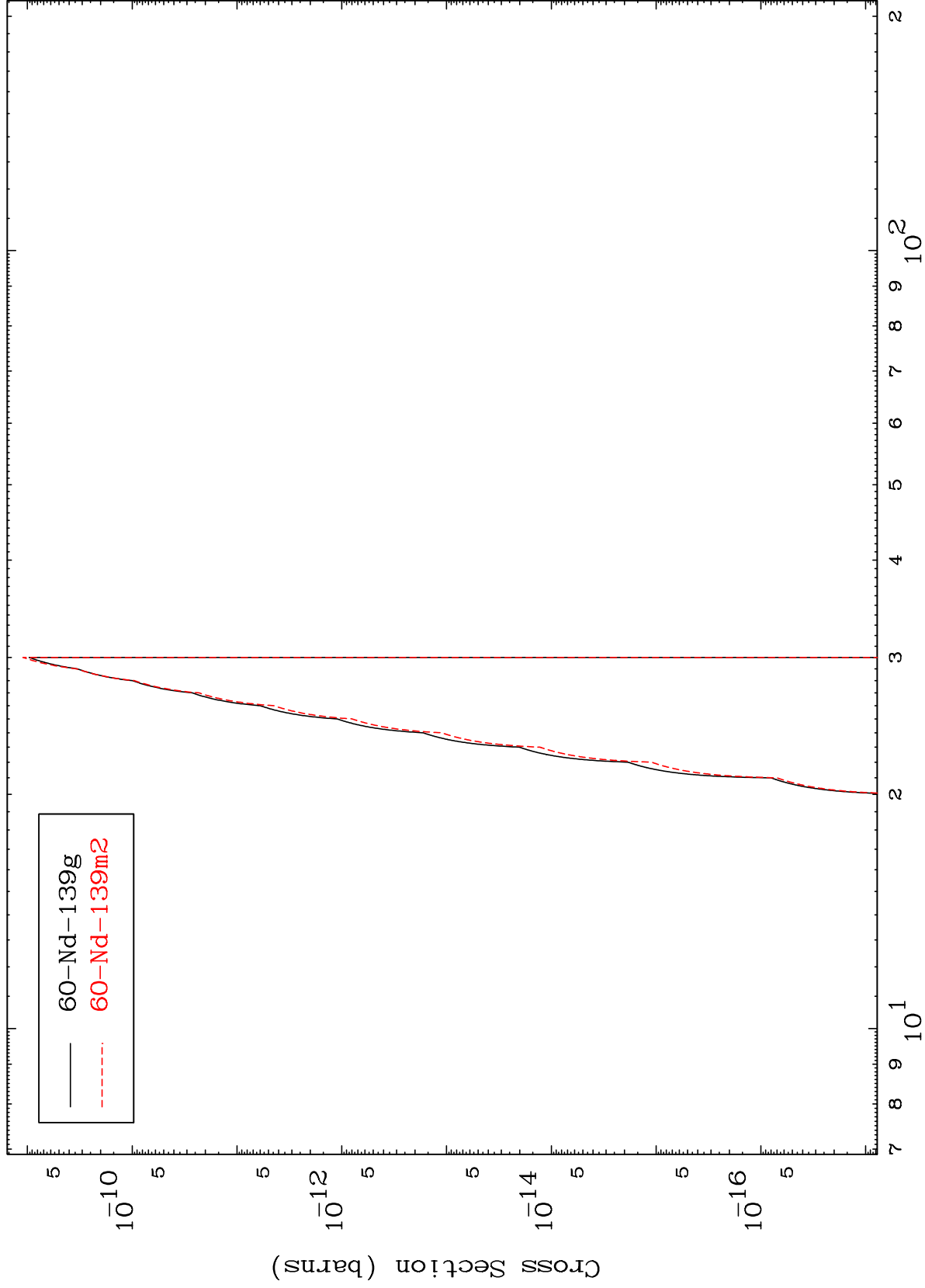


MAT 6413

(n,2n) 2α

64-Gd-148

Radionuclide Production Cross Section



127

Incident Energy (MeV)

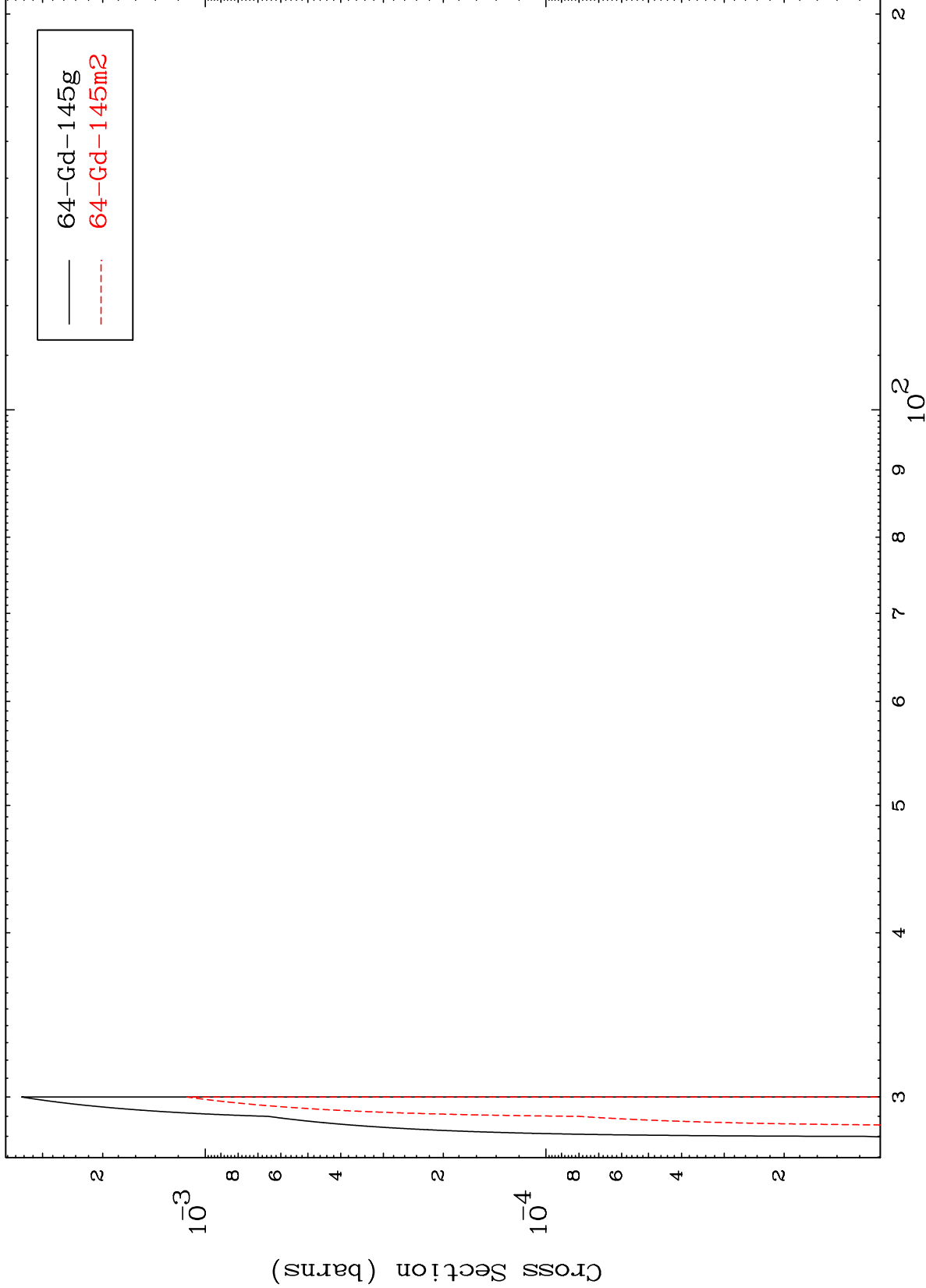
64-Gd-148

MAT 6413

(n,4n)

64-Gd-148

Radionuclide Production Cross Section



128

Incident Energy (MeV)

64-Gd-148

MAT 6413

(n,2α)

64-Gd-148

Radionuclide Production Cross Section

