

Program EVALPLOT  
(Version 2021-1)

by

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(Present Contact Information)

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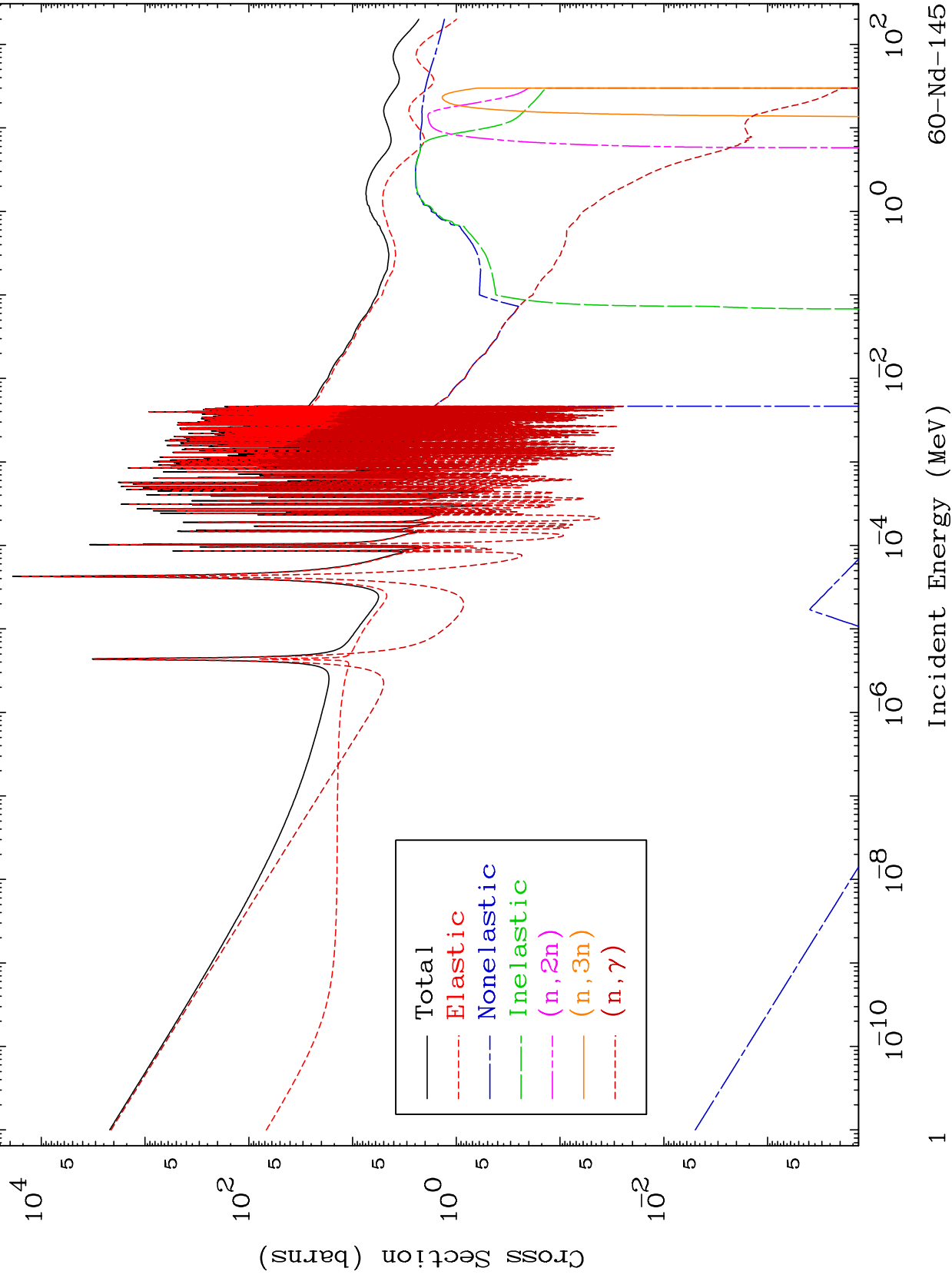
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6034

Neutron Major  
293 Kelvin Cross Sections

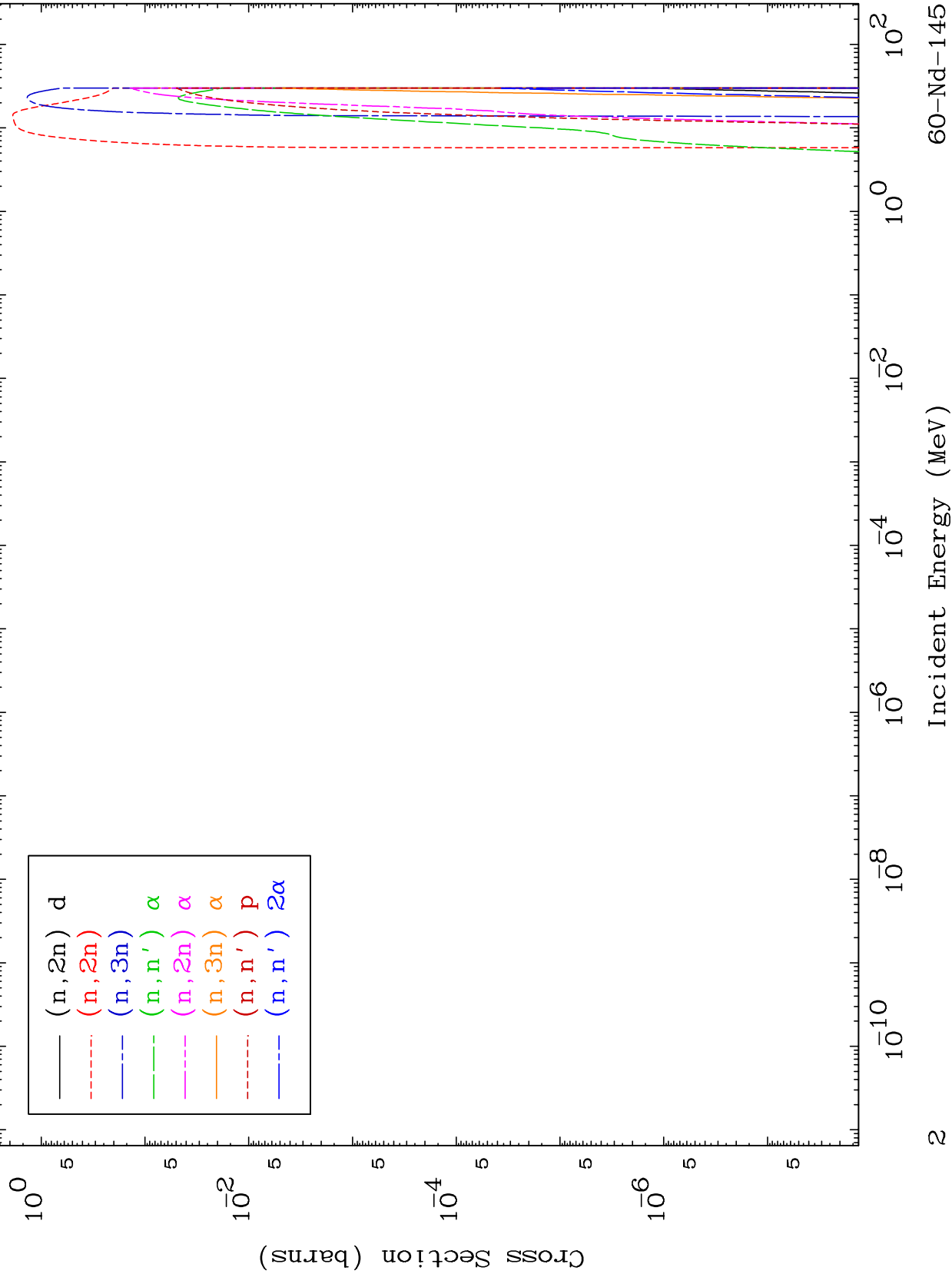
60-Nd-145



MAT 6034

Neutron Absorption  
293 Kelvin Cross Sections

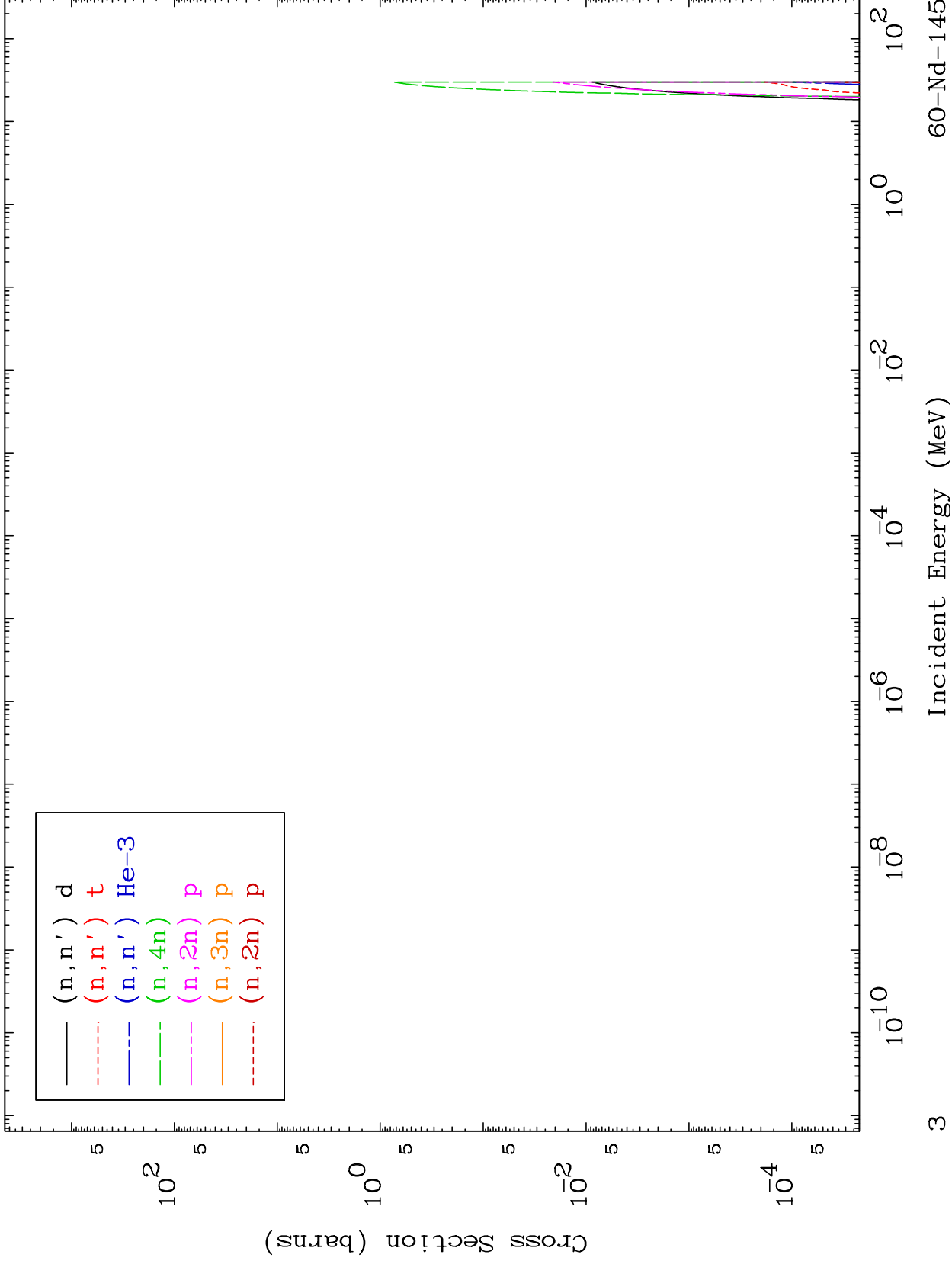
60-Nd-145



MAT 6034

Neutron Absorption  
293 Kelvin Cross Sections

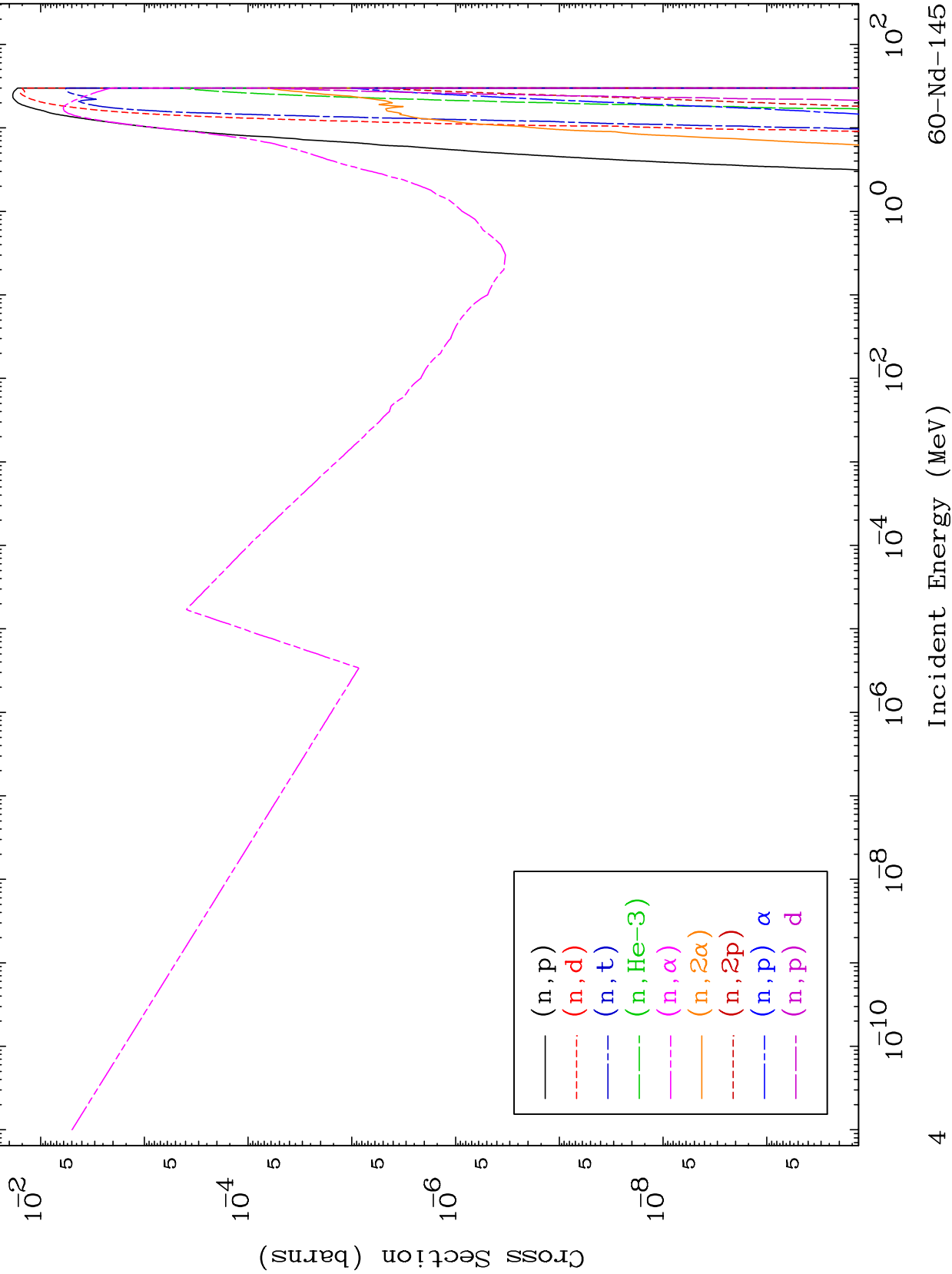
60-Nd-145



MAT 6034

Neutron Absorption  
293 Kelvin Cross Sections

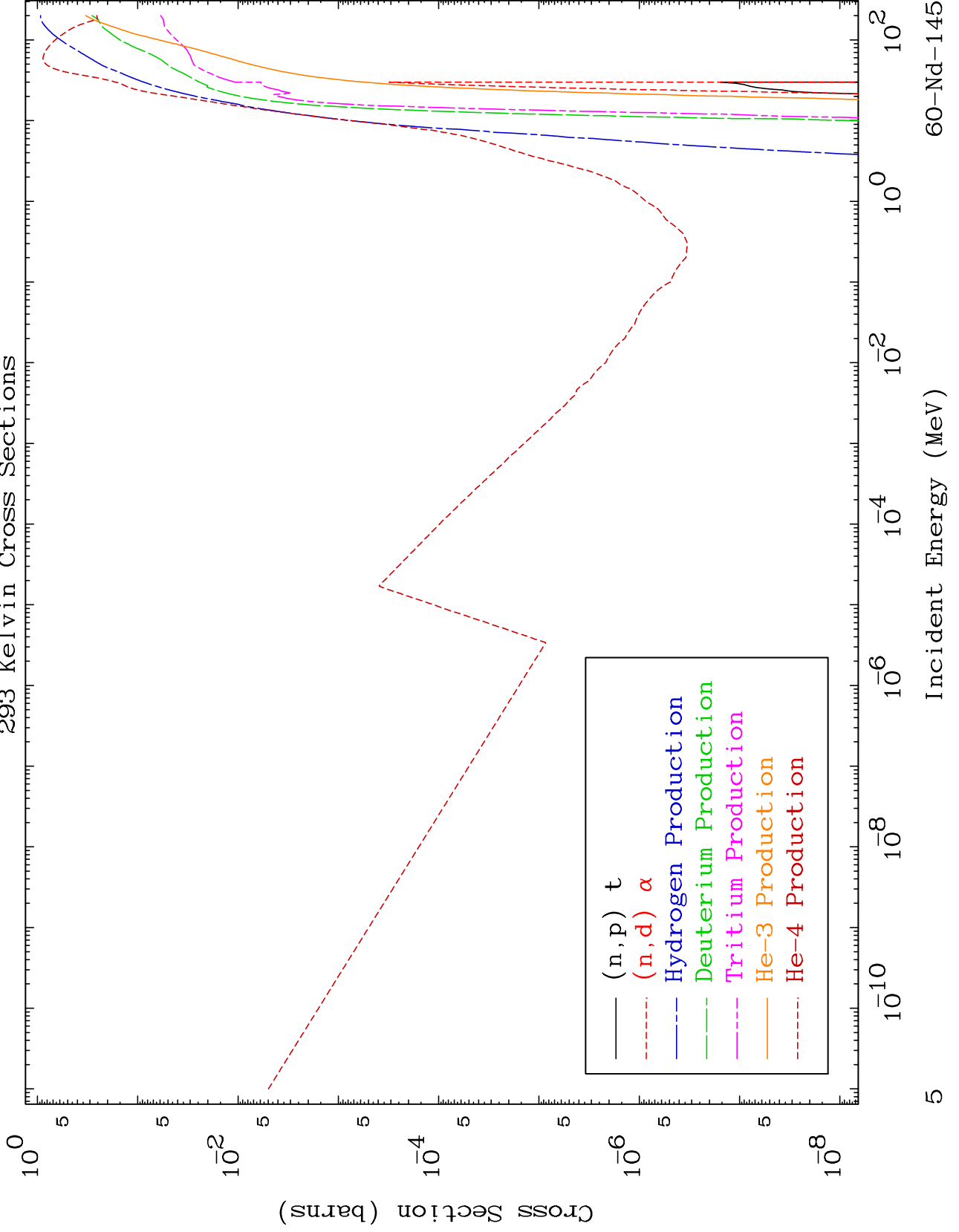
60-Nd-145



MAT 6034

Neutron Absorption  
293 Kelvin Cross Sections

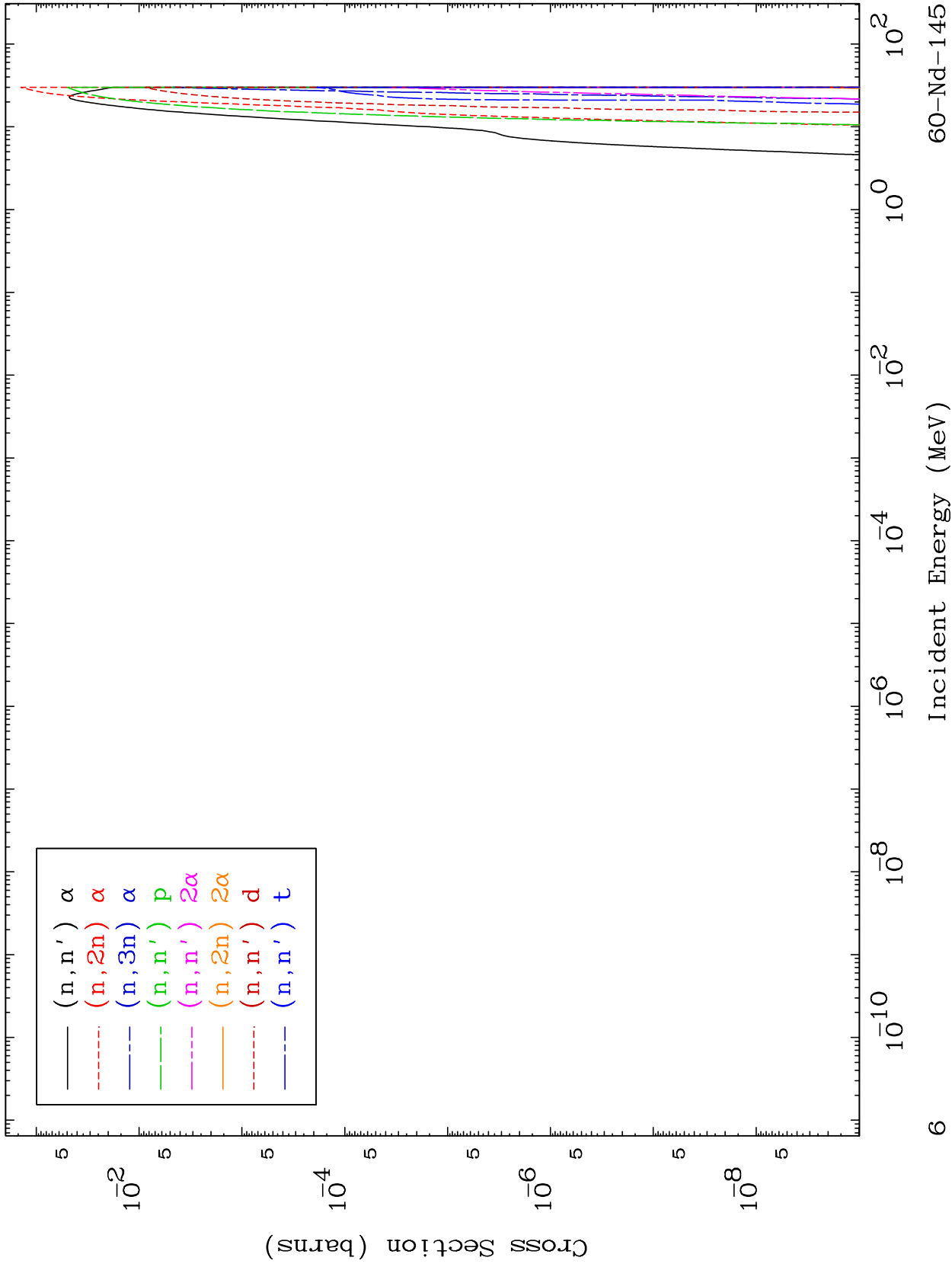
60-Nd-145



MAT 6034

Charged Particle  
293 Kelvin Cross Sections

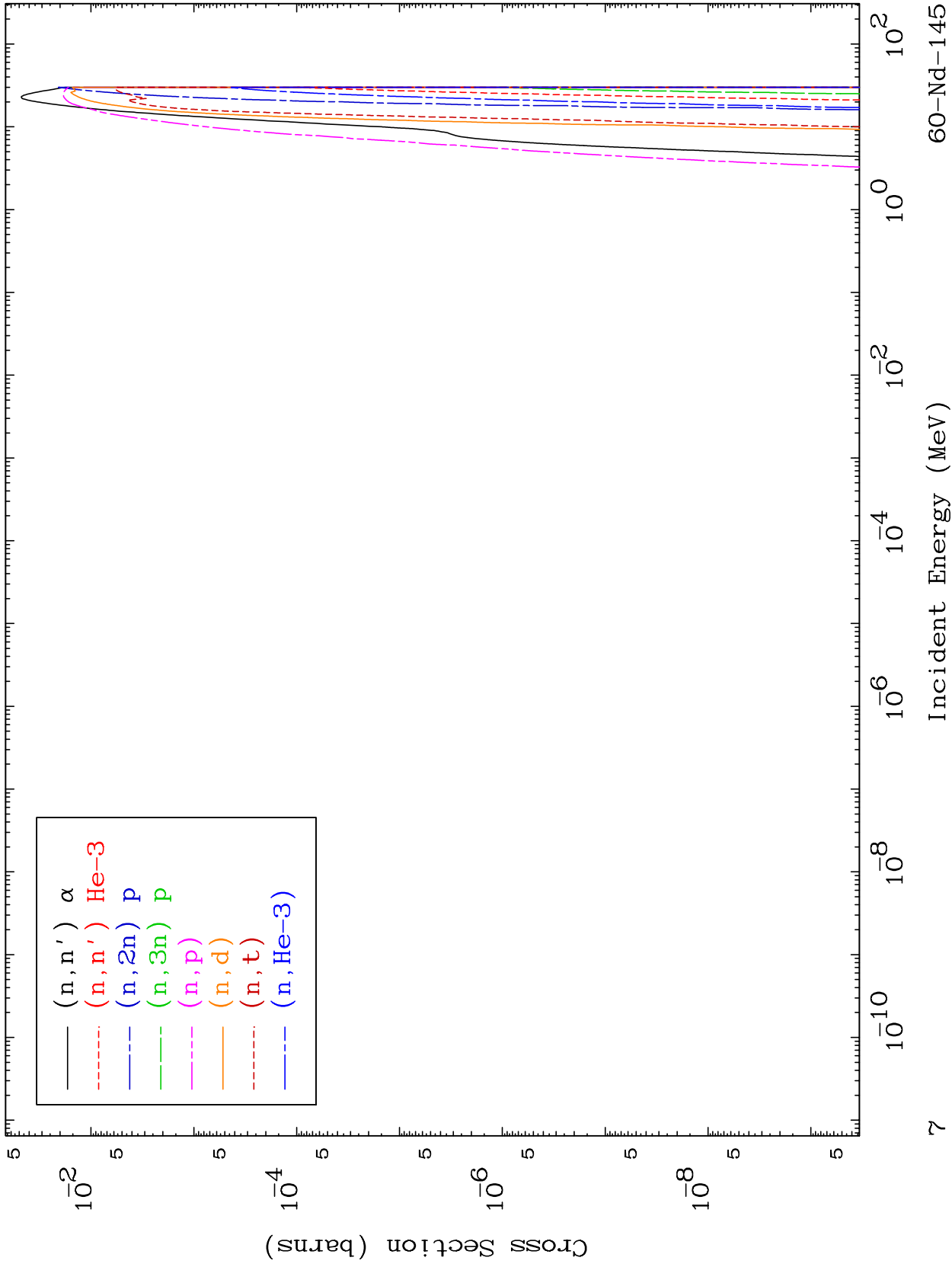
60-Nd-145



MAT 6034

Charged Particle  
293 Kelvin Cross Sections

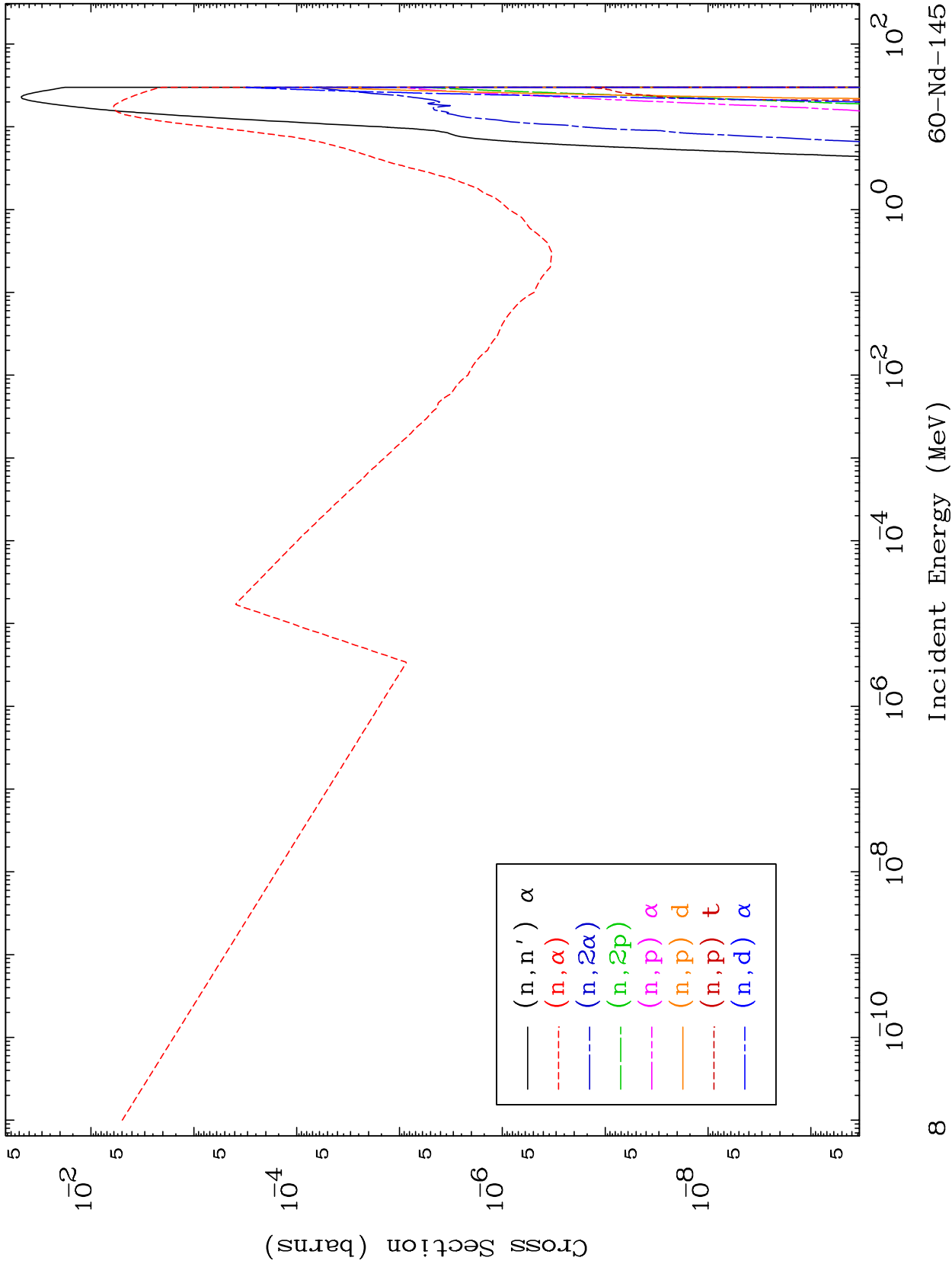
60-Nd-145



MAT 6034

Charged Particle  
293 Kelvin Cross Sections

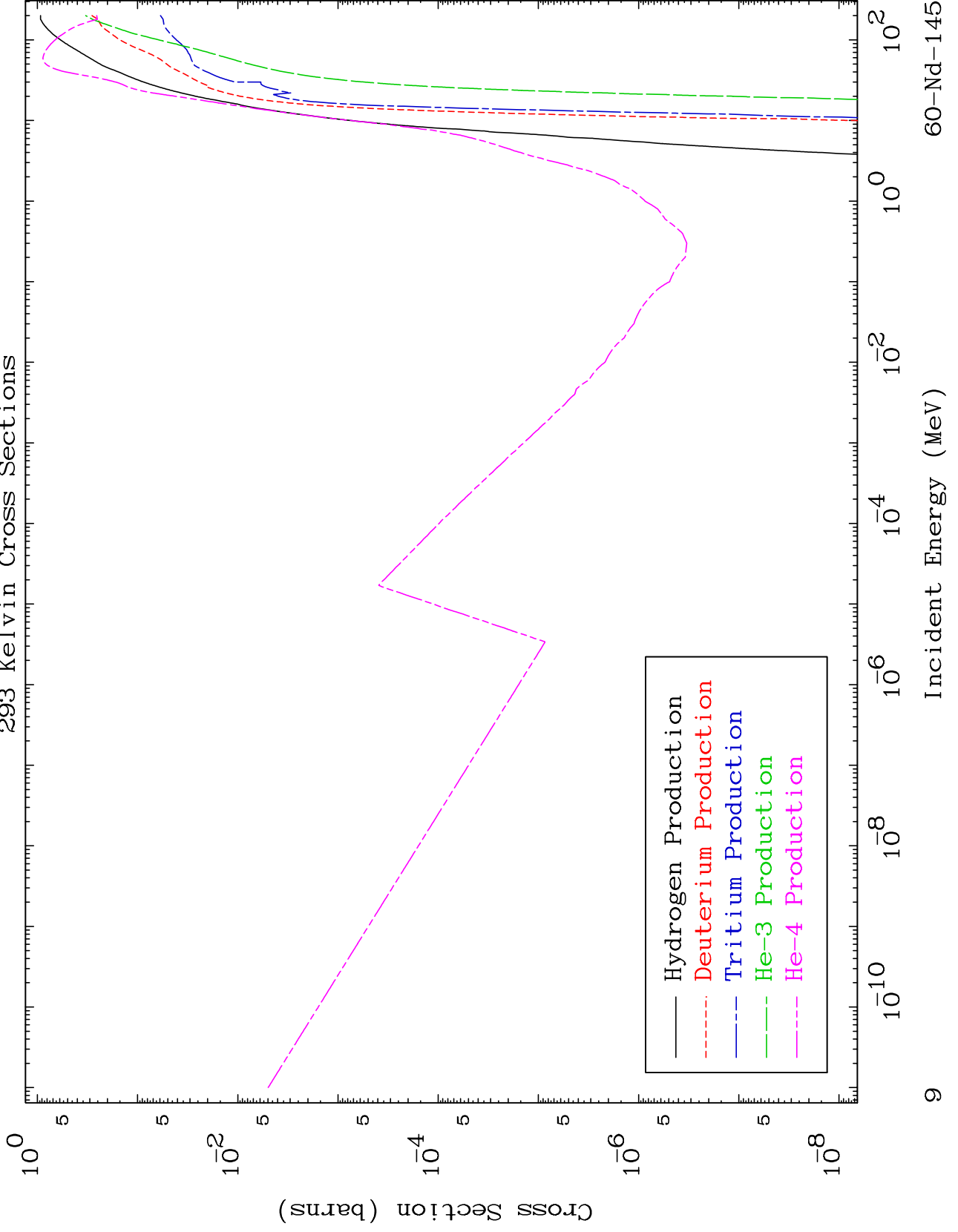
60-Nd-145



MAT 6034

Particle Production  
293 Kelvin Cross Sections

60-Nd-145

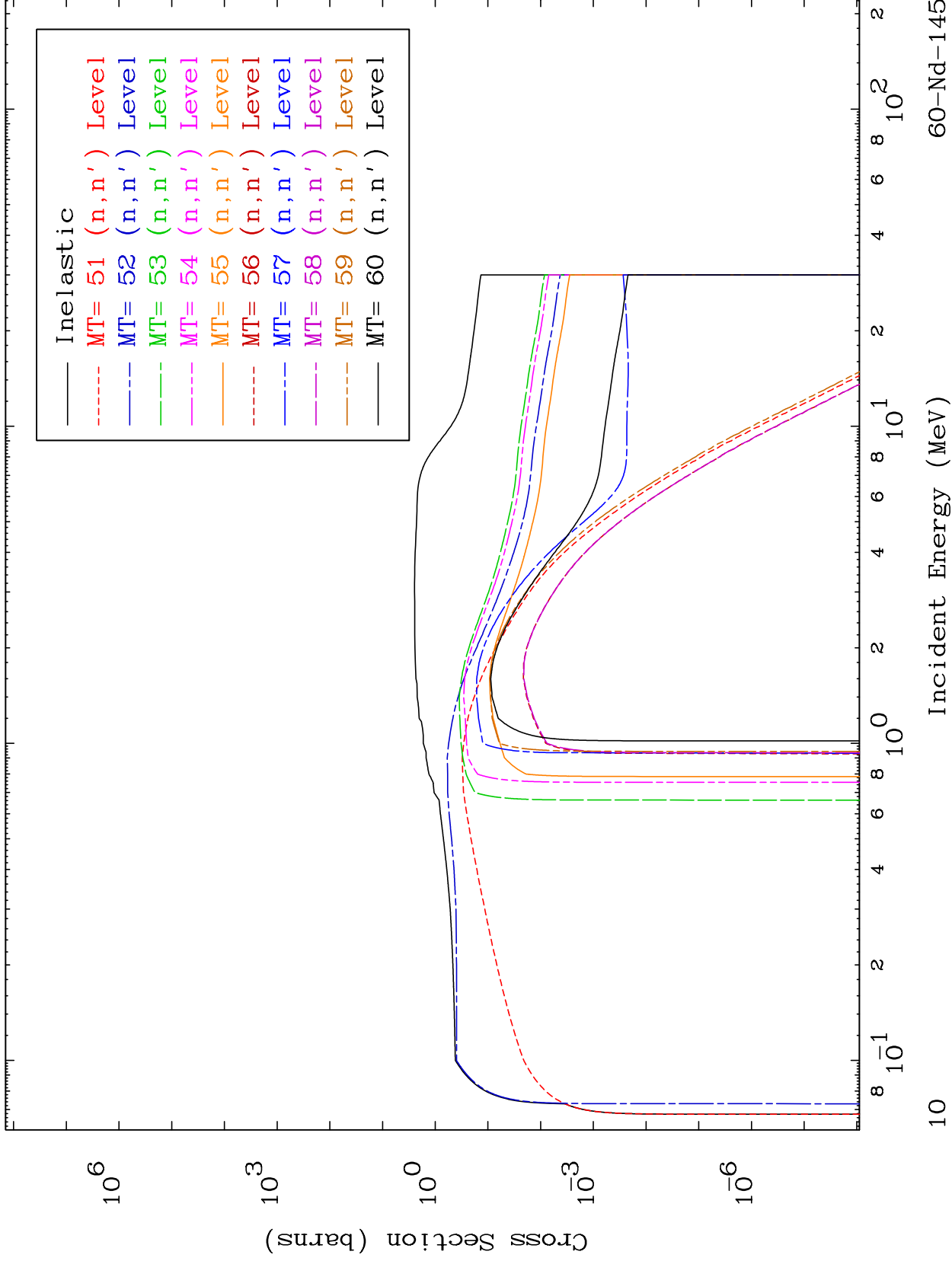


MAT 6034

(n,n') Levels

60-Nd-145

293 Kelvin Cross Sections



60-Nd-145

Incident Energy (MeV)

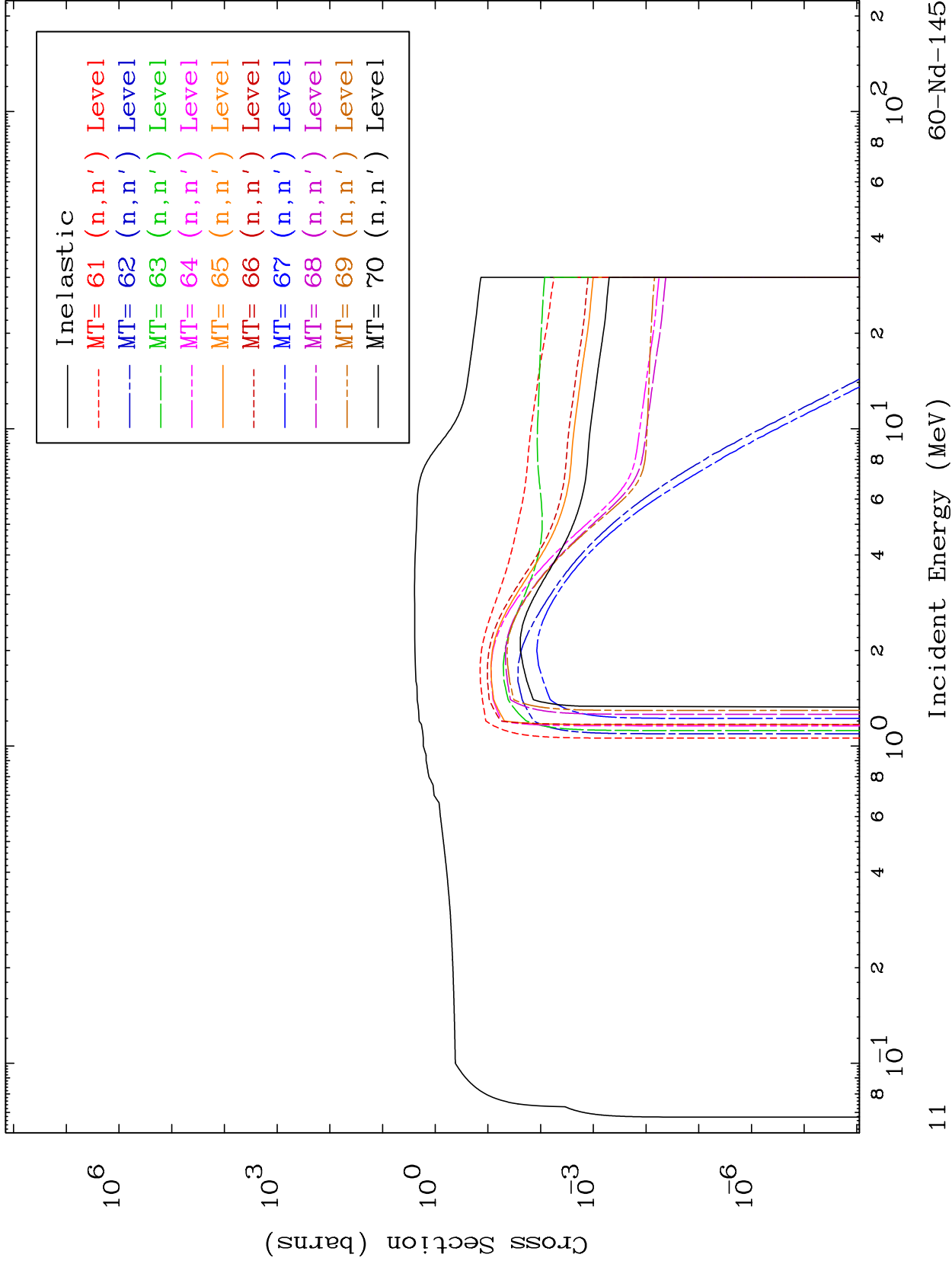
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MAT 6034

(n,n') Levels

60-Nd-145

293 Kelvin Cross Sections

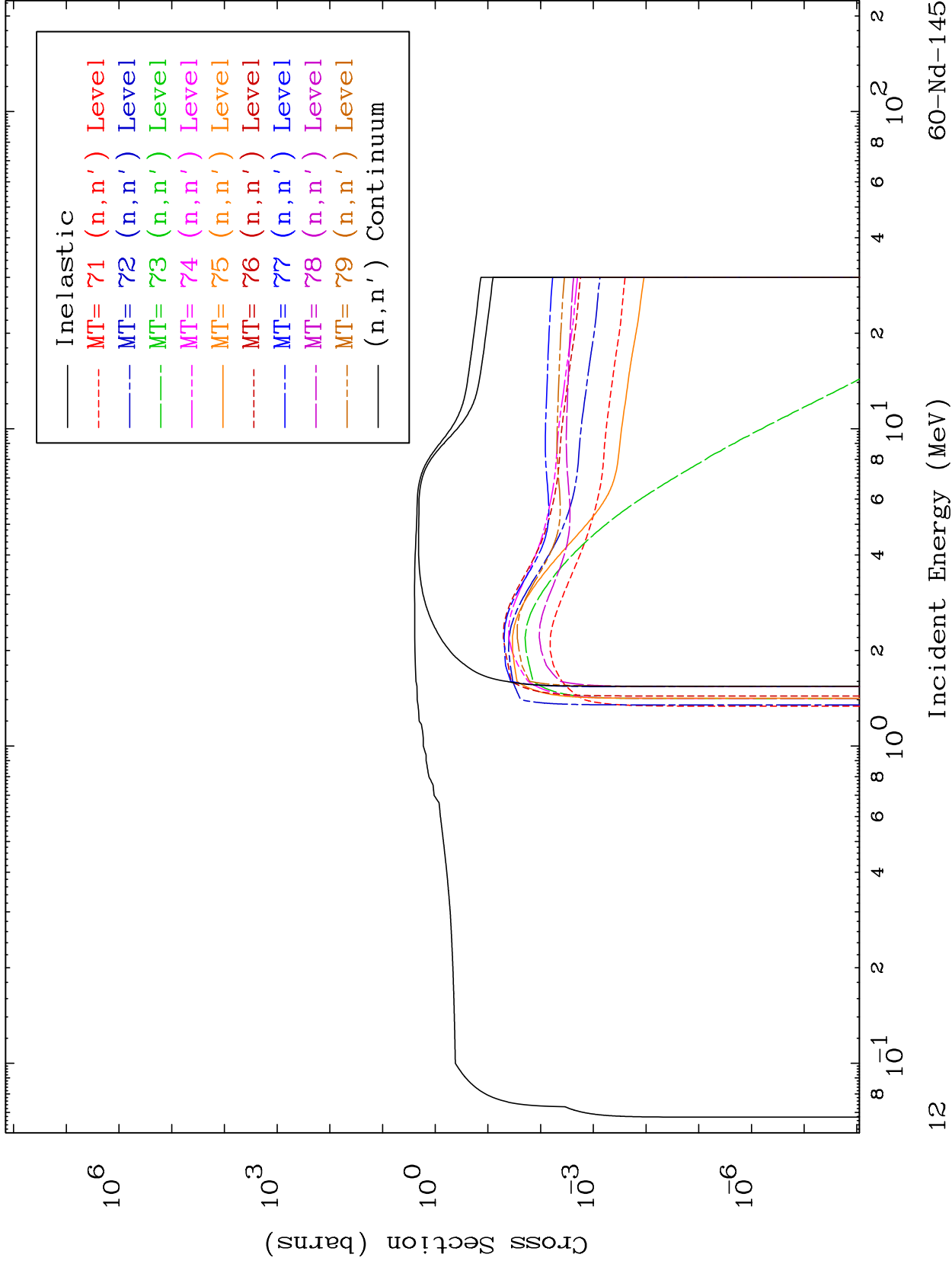


MAT 6034

(n,n') Levels

293 Kelvin Cross Sections

60-Nd-145



12

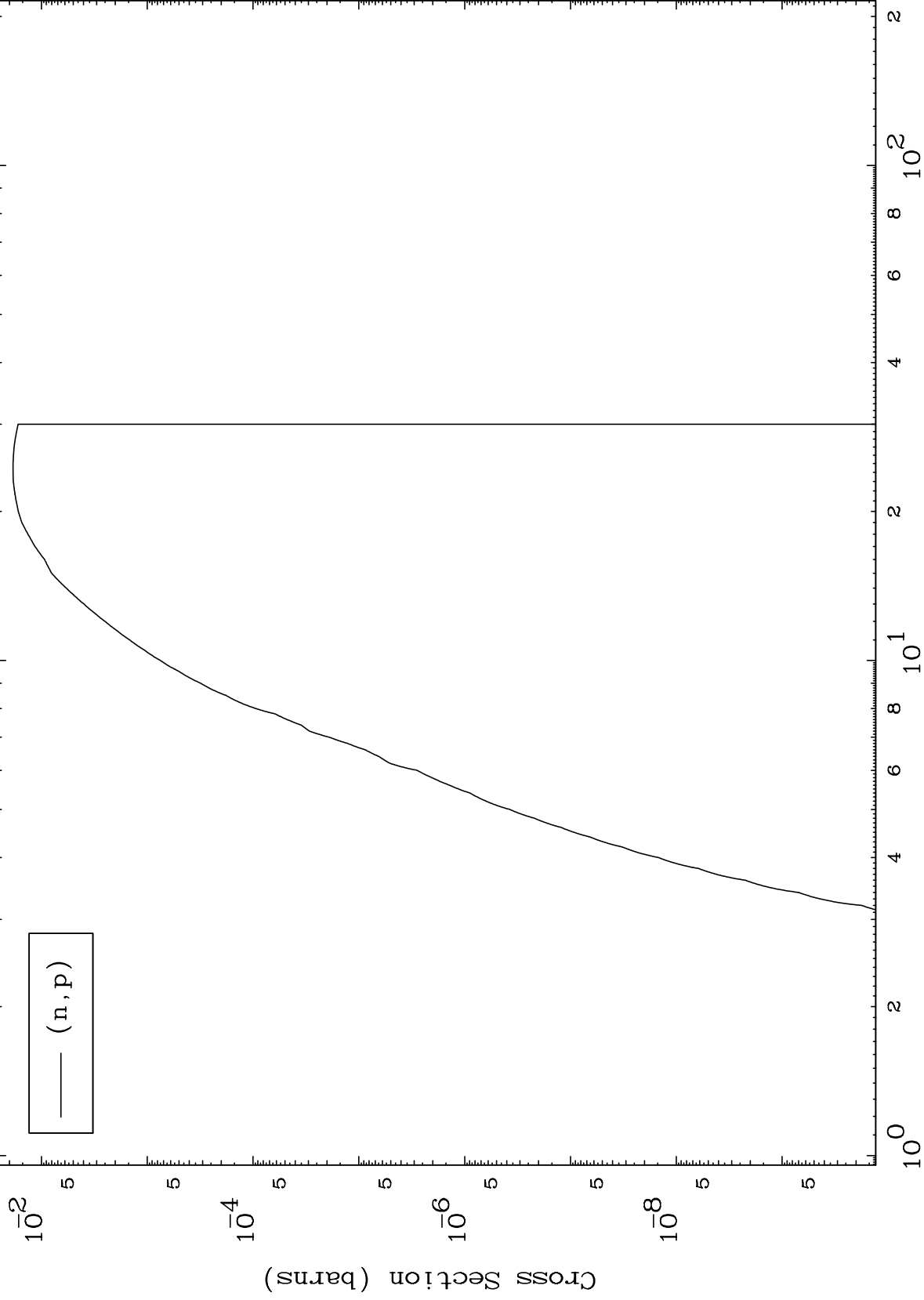
Incident Energy (MeV)

60-Nd-145

MAT 6034

(n,p) Levels  
293 Kelvin Cross Sections

60-Nd-145



13

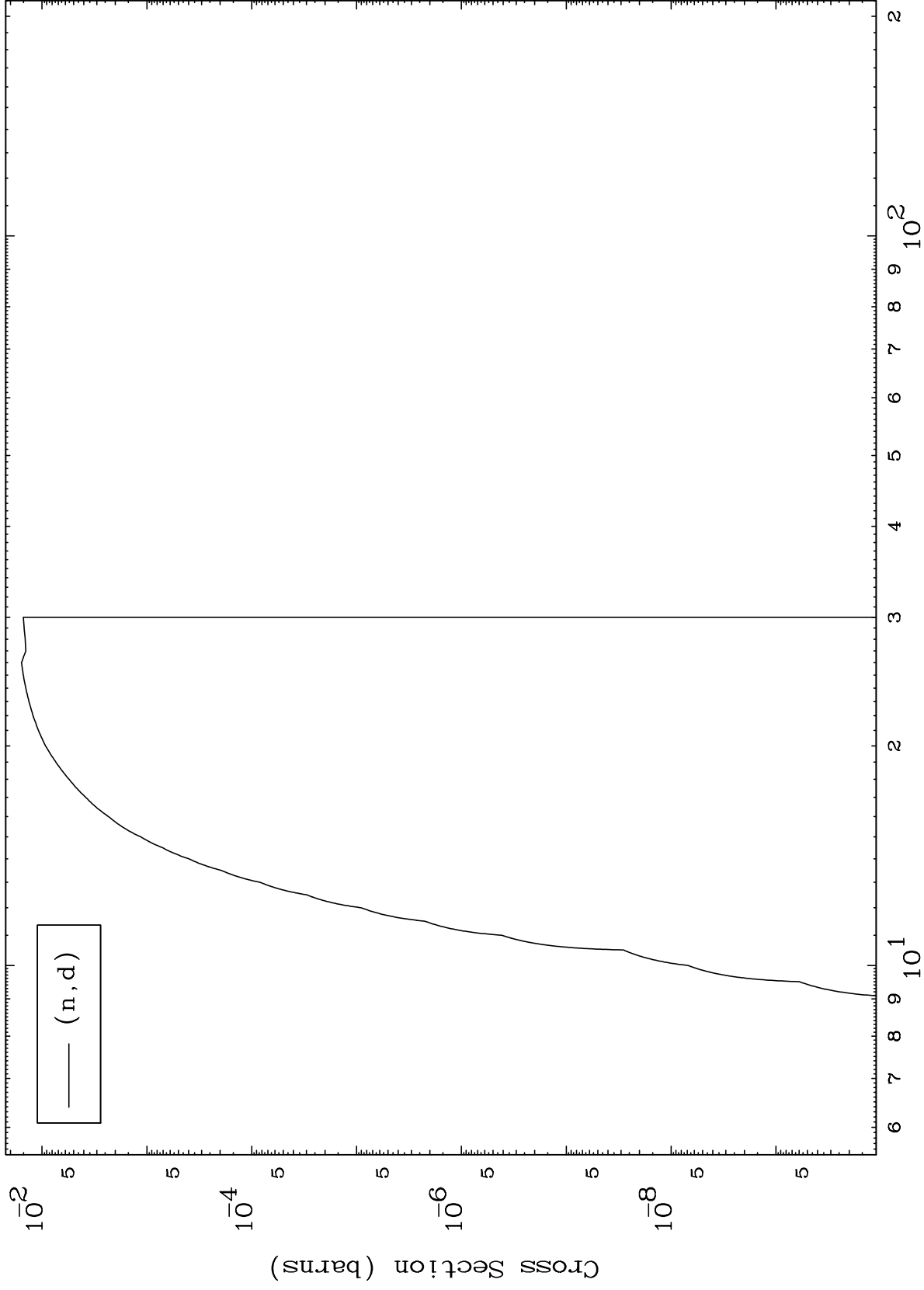
Incident Energy (MeV)

60-Nd-145

MAT 6034

(n,d) Levels  
293 Kelvin Cross Sections

60-Nd-145



14

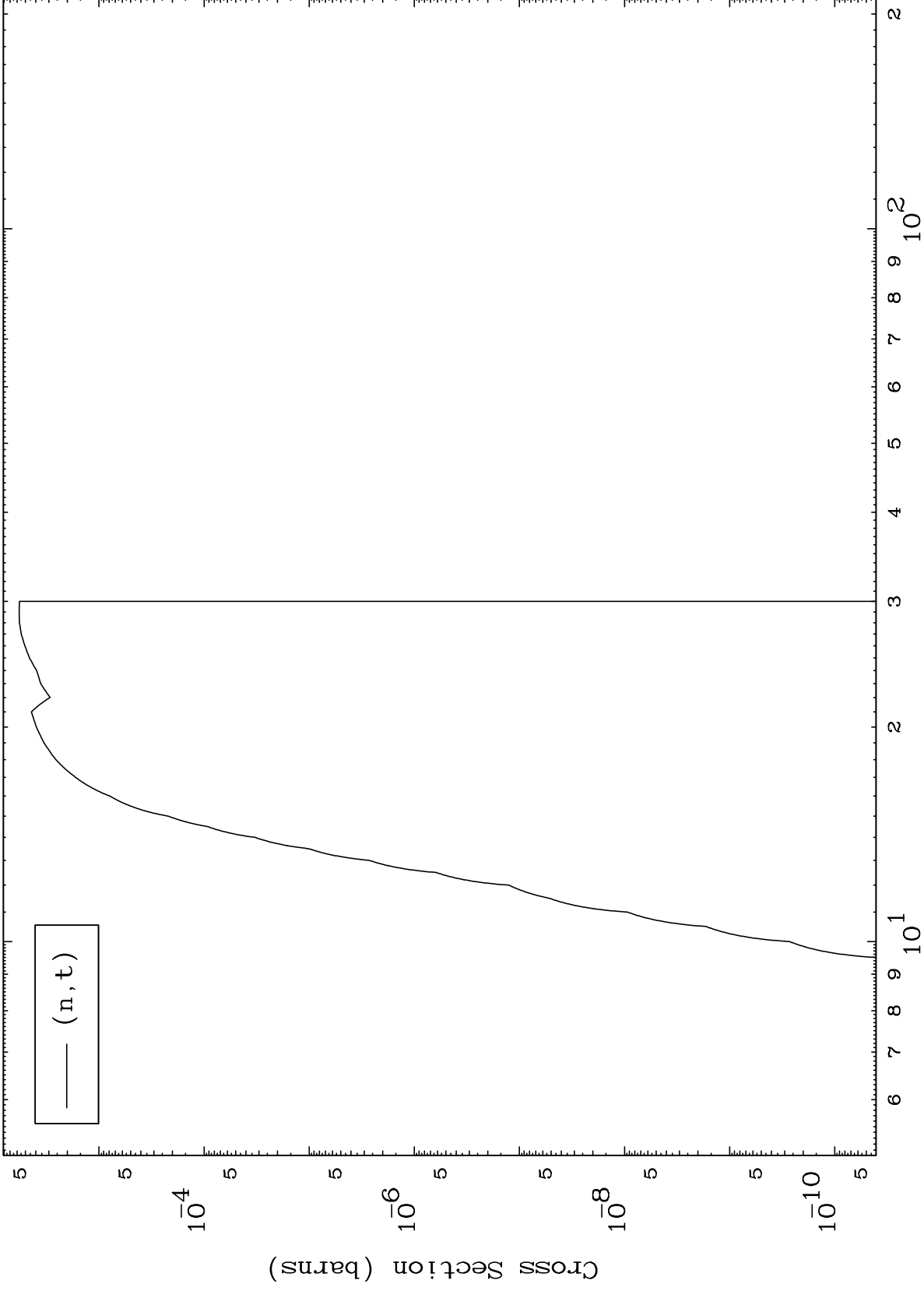
Incident Energy (MeV)

60-Nd-145

MAT 6034

(n,t) Levels  
293 Kelvin Cross Sections

60-Nd-145



15

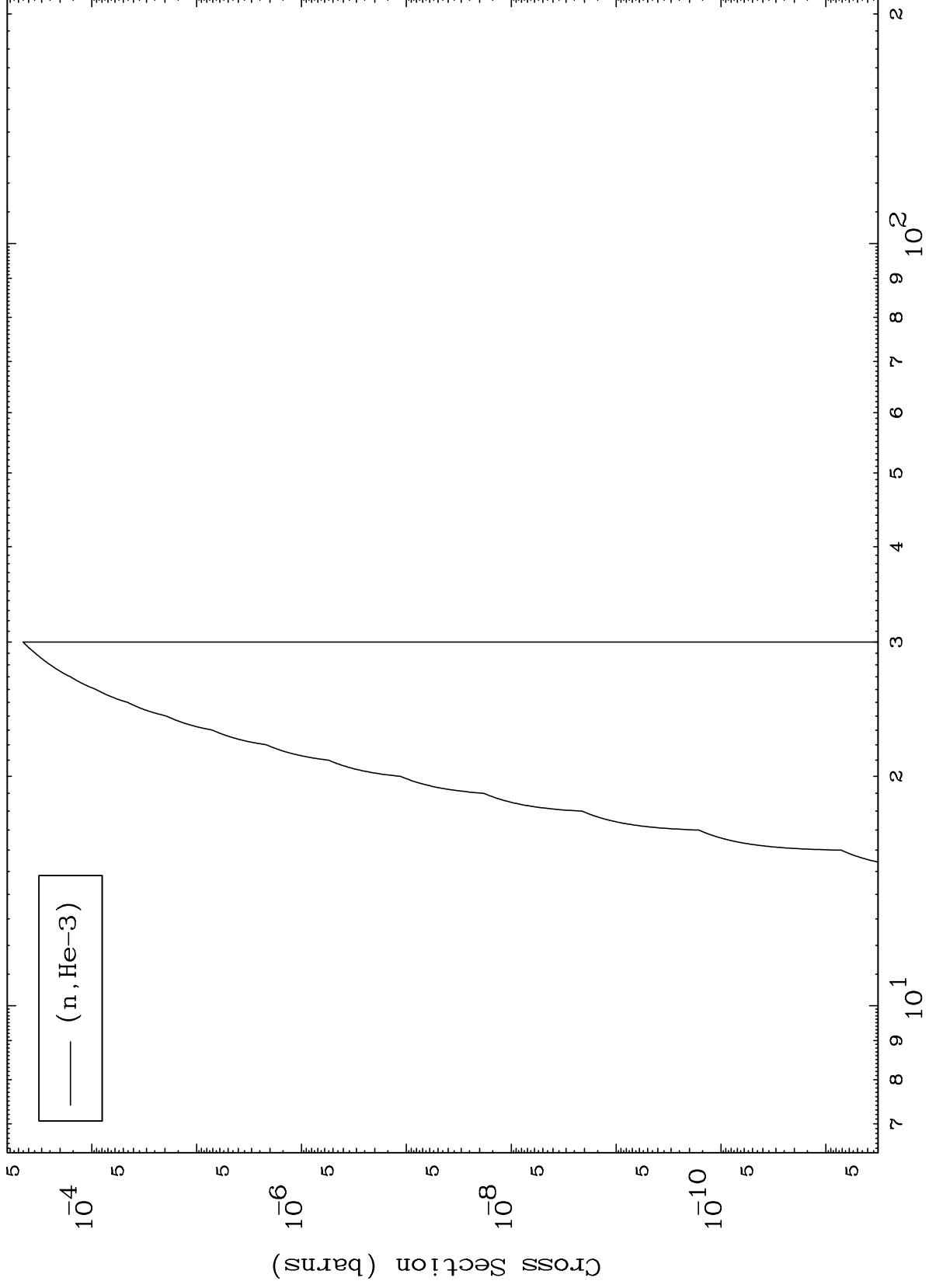
Incident Energy (MeV)

60-Nd-145

MAT 6034

(n,He3) Levels  
293 Kelvin Cross Sections

60-Nd-145



16

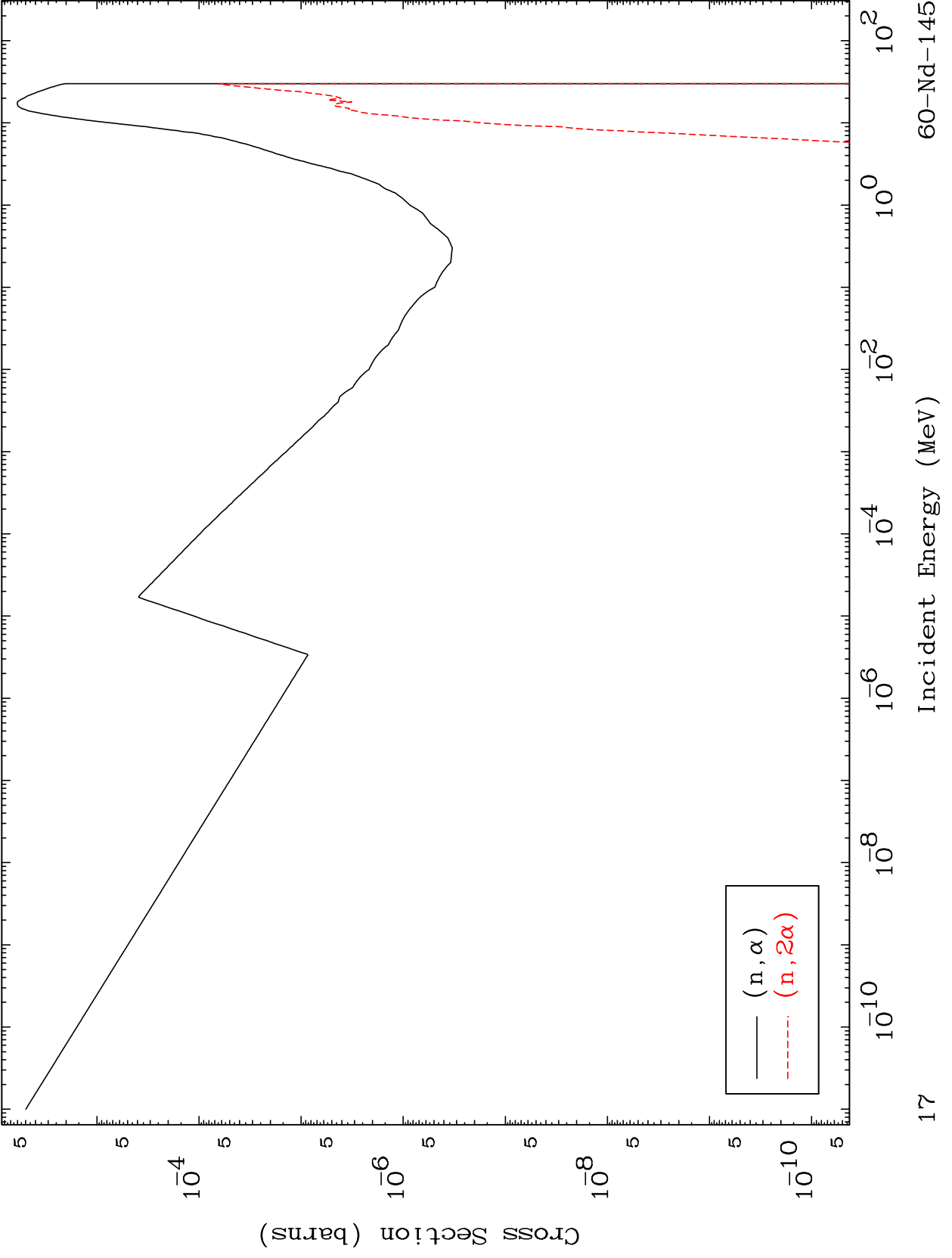
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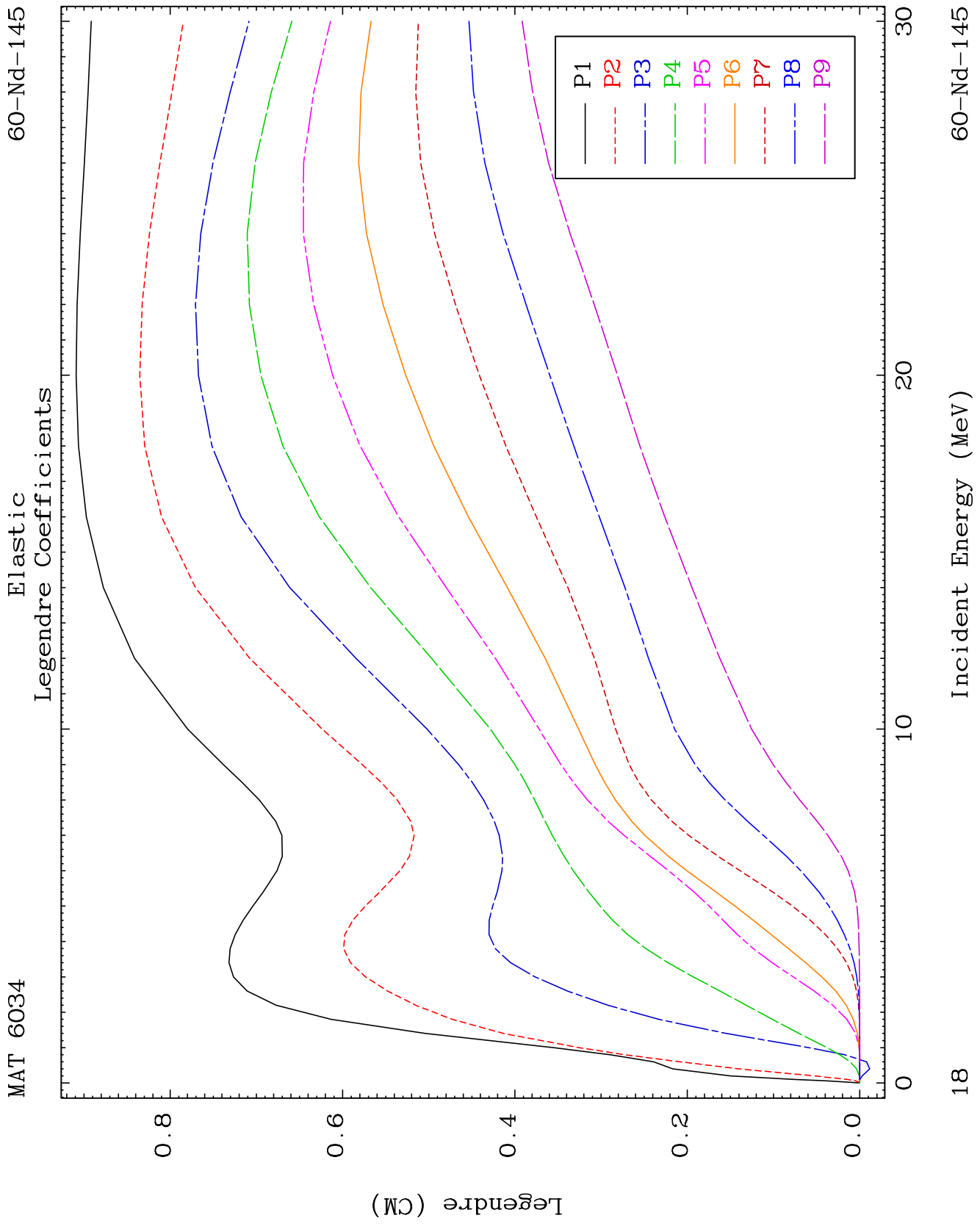
60-Nd-145

MAT 6034

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

60-Nd-145

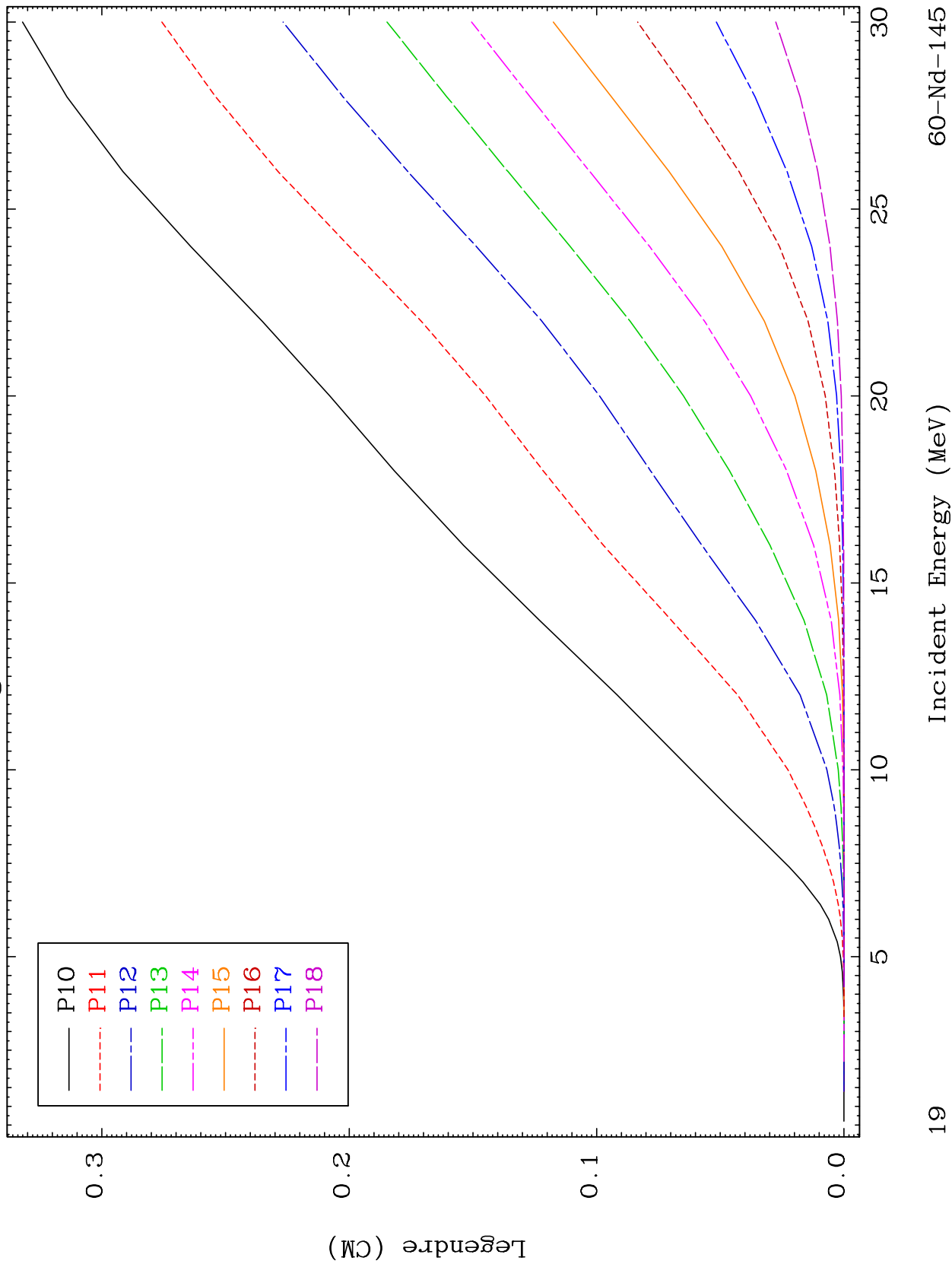




MAT 6034

Elastic Legendre Coefficients

60-Nd-145

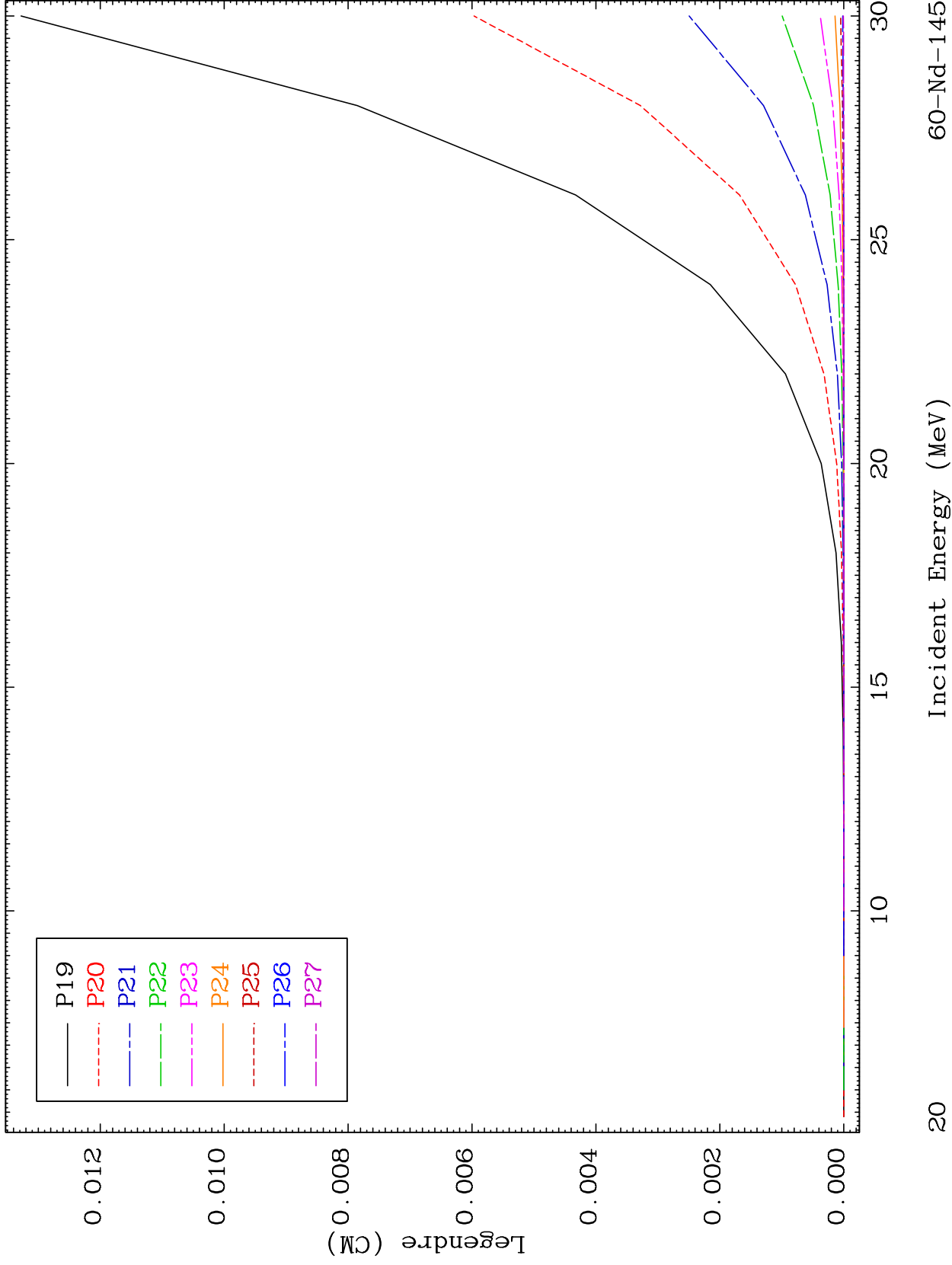


19

MAT 6034

### Elastic Legendre Coefficients

<sup>60</sup>Nd-145



<sup>60</sup>Nd-145

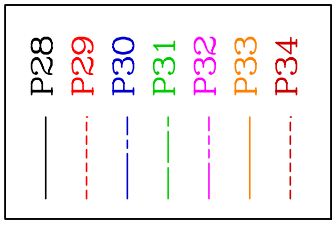
Incident Energy (MeV)

20

MAT 6034

Elastic Legendre Coefficients

60-Nd-145



$\times 10^{-6}$

1.5

Legendre (CM)

1.0

0.5

0.0

15

20

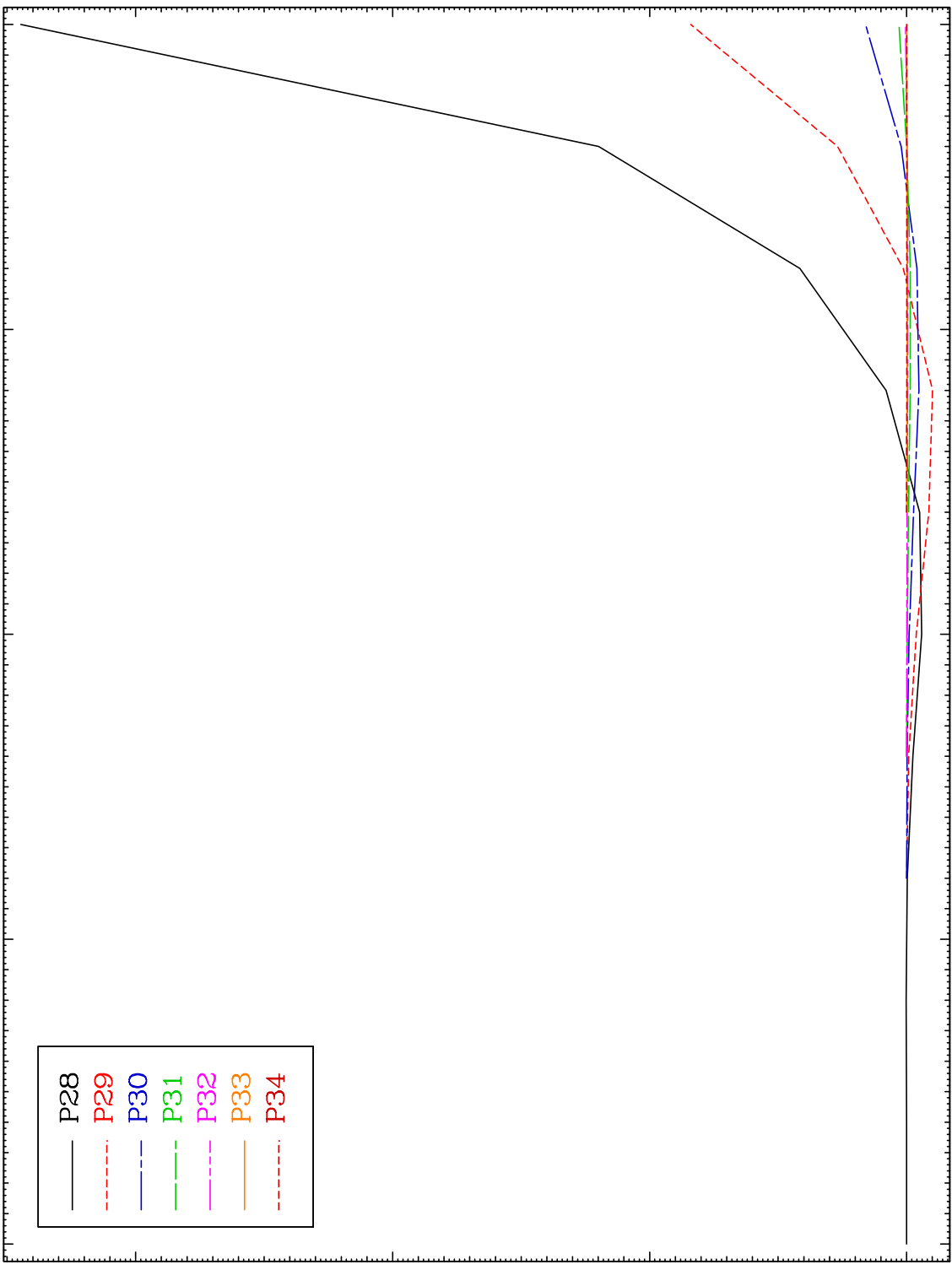
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30

21

Incident Energy (MeV)

60-Nd-145

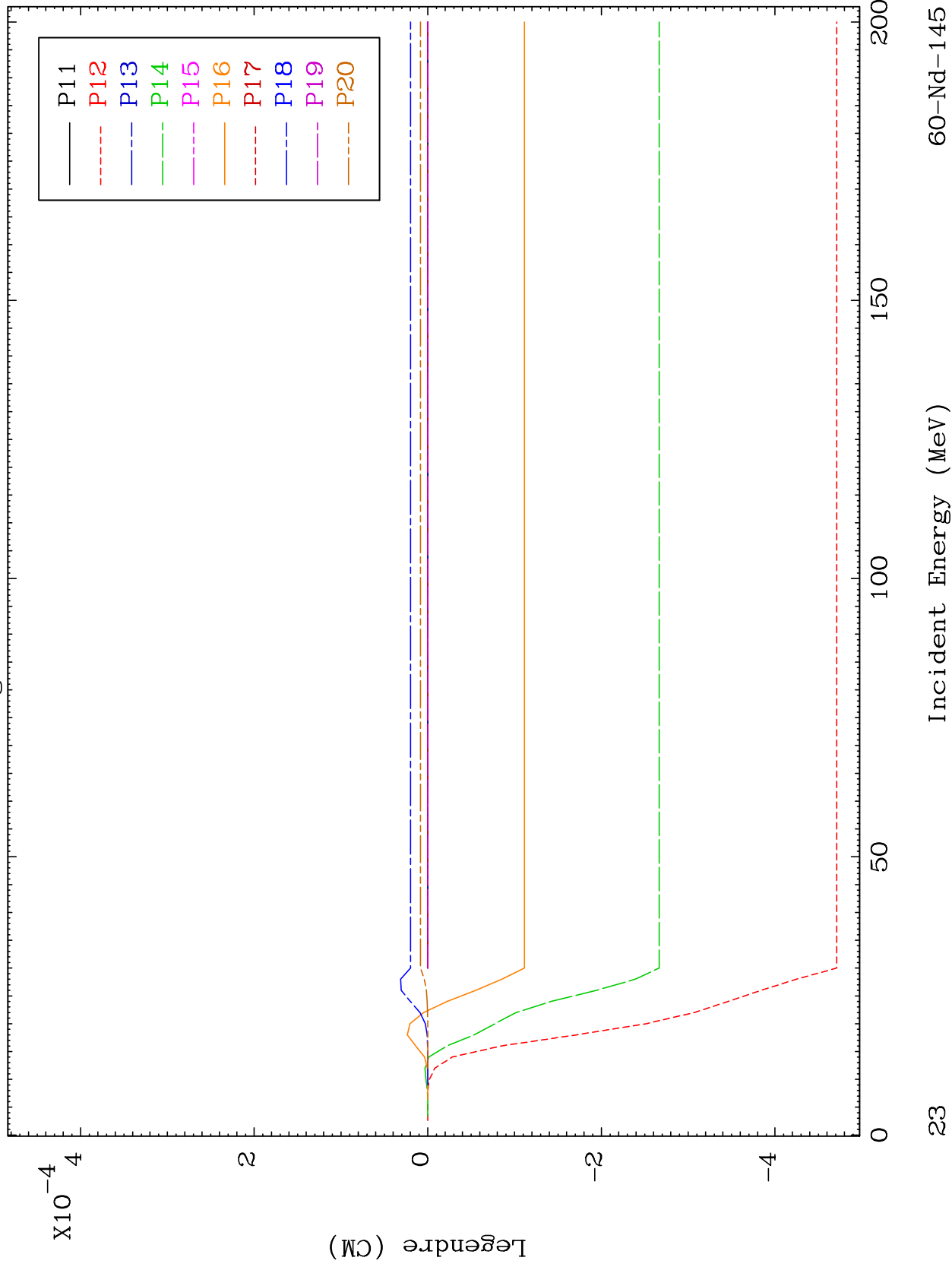




MAT 6034

MT= 51 (n,n') Level  
Legendre Coefficients

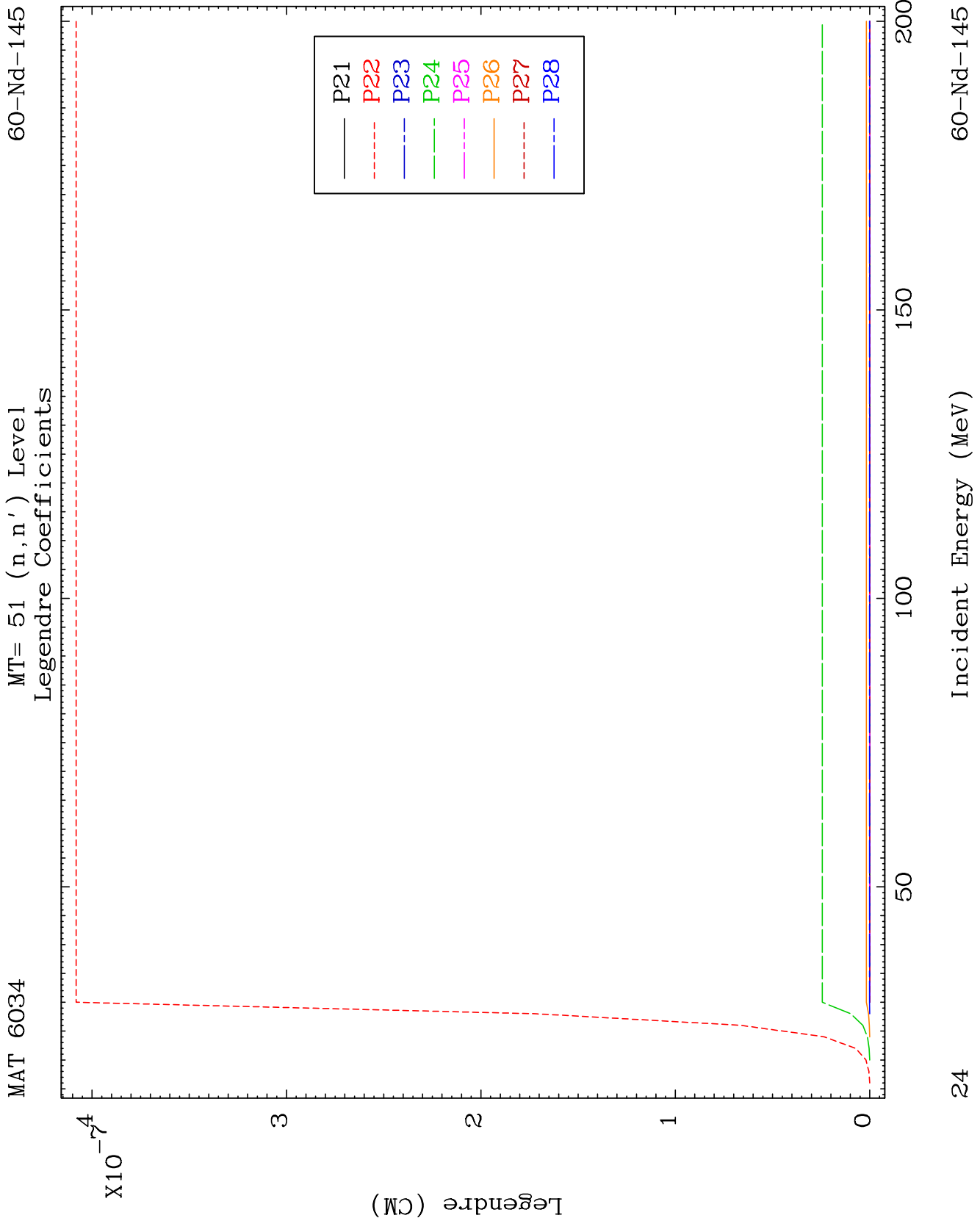
60-Nd-145



60-Nd-145

Incident Energy (MeV)

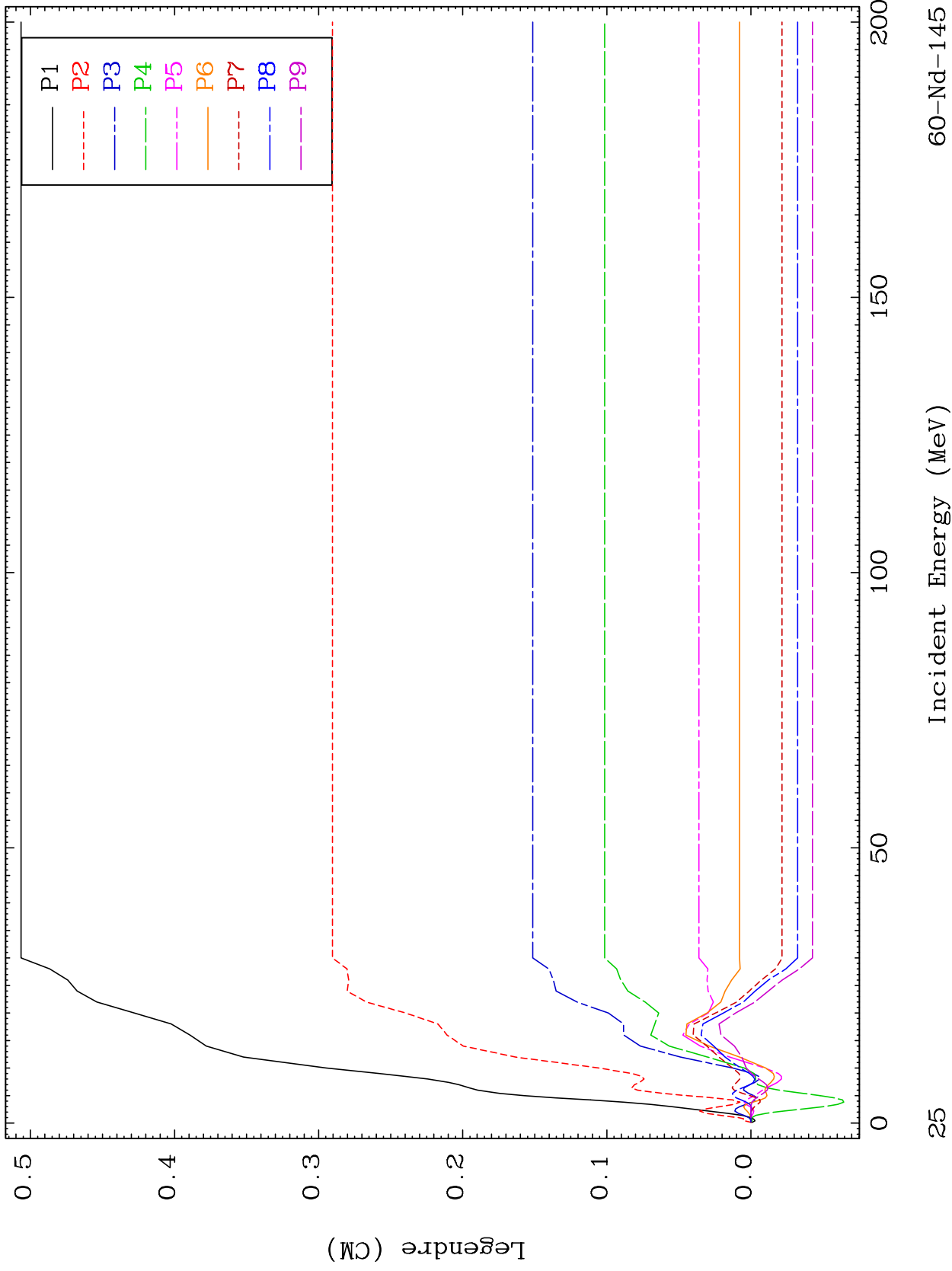
23



MAT 6034

MT= 52 (n,n') Level  
Legendre Coefficients

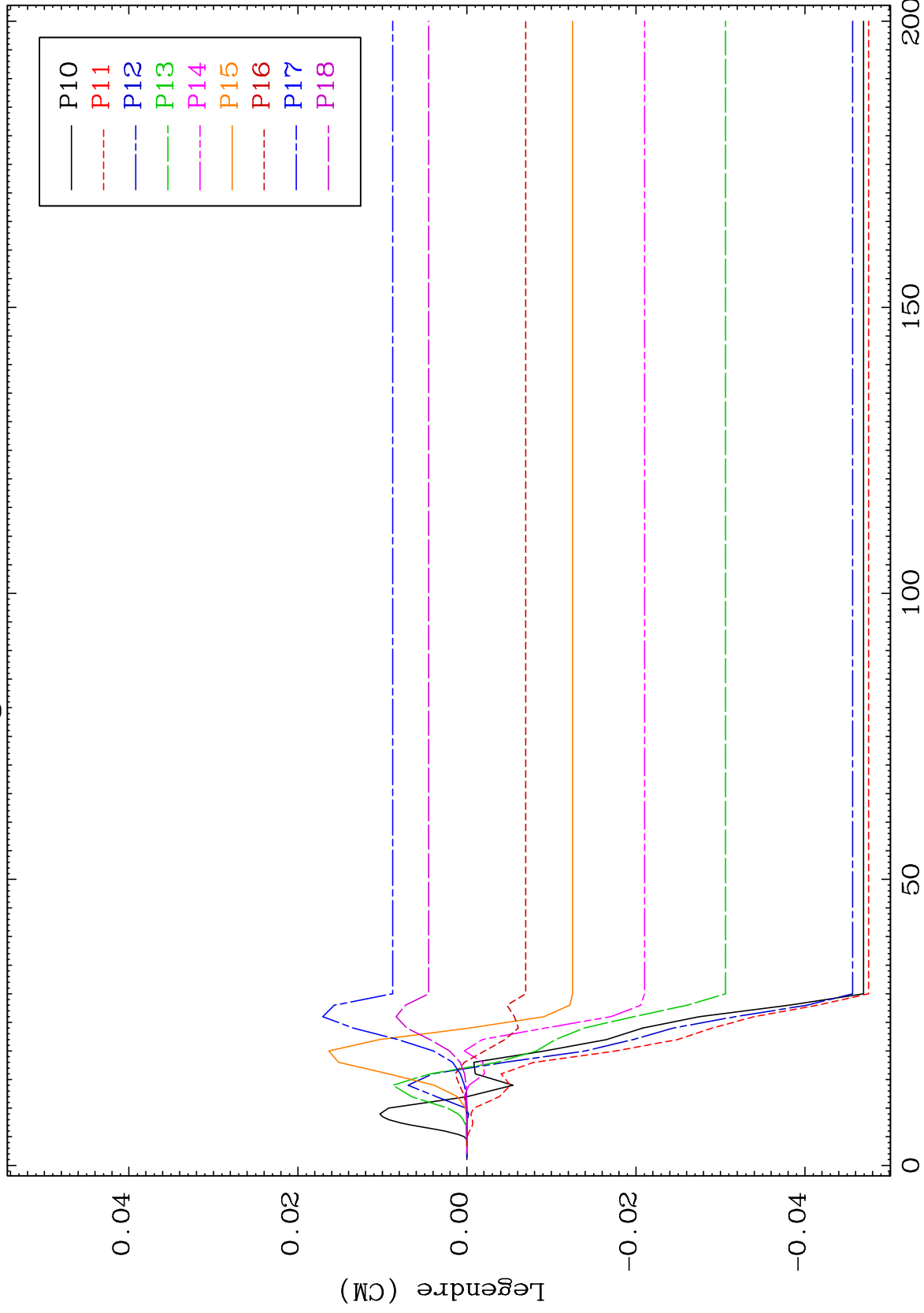
60-Nd-145



MAT 6034

MT= 52 (n,n') Level  
Legendre Coefficients

60-Nd-145



26

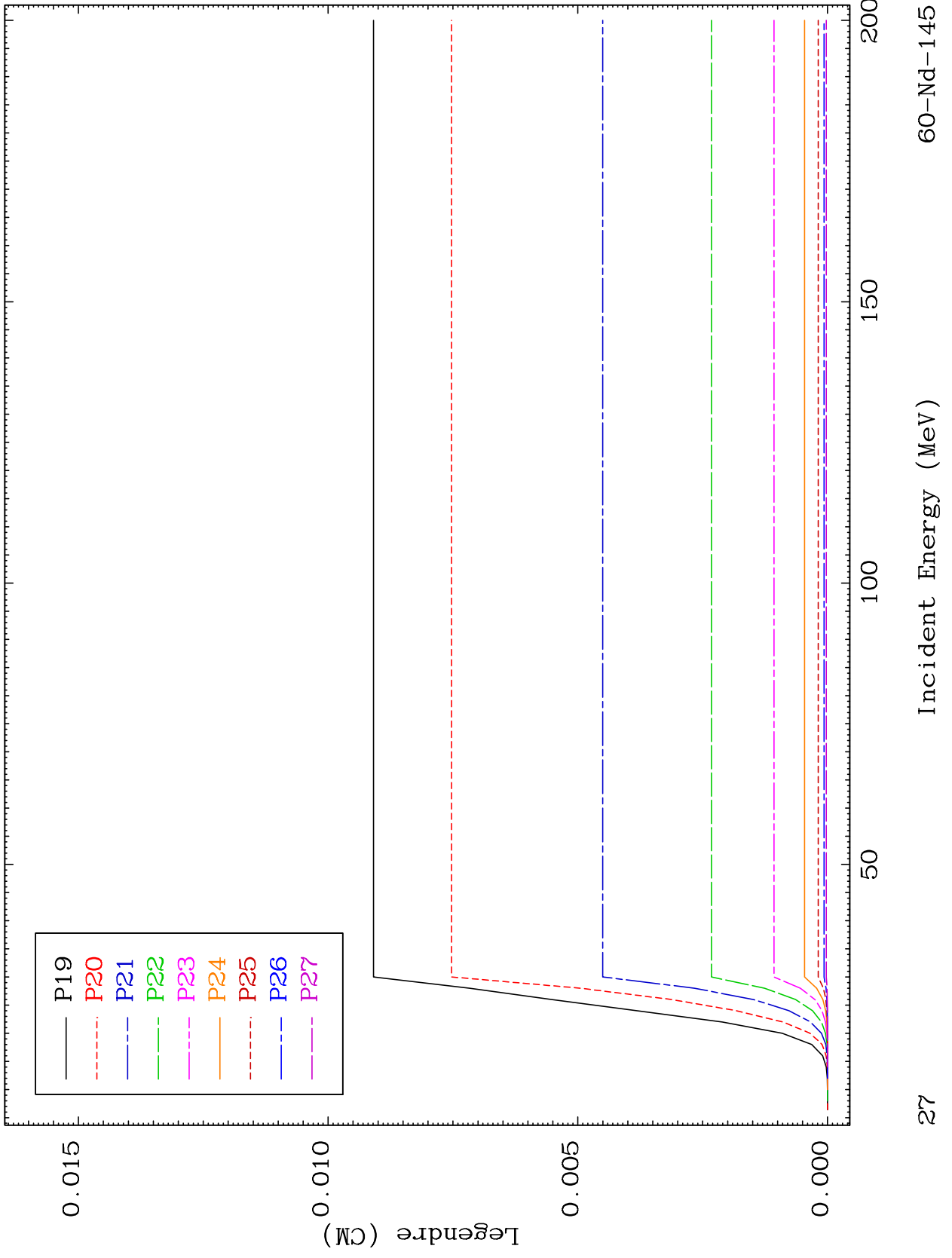
Incident Energy (MeV)

60-Nd-145

MAT 6034

MT= 52 (n,n') Level  
Legendre Coefficients

60-Nd-145



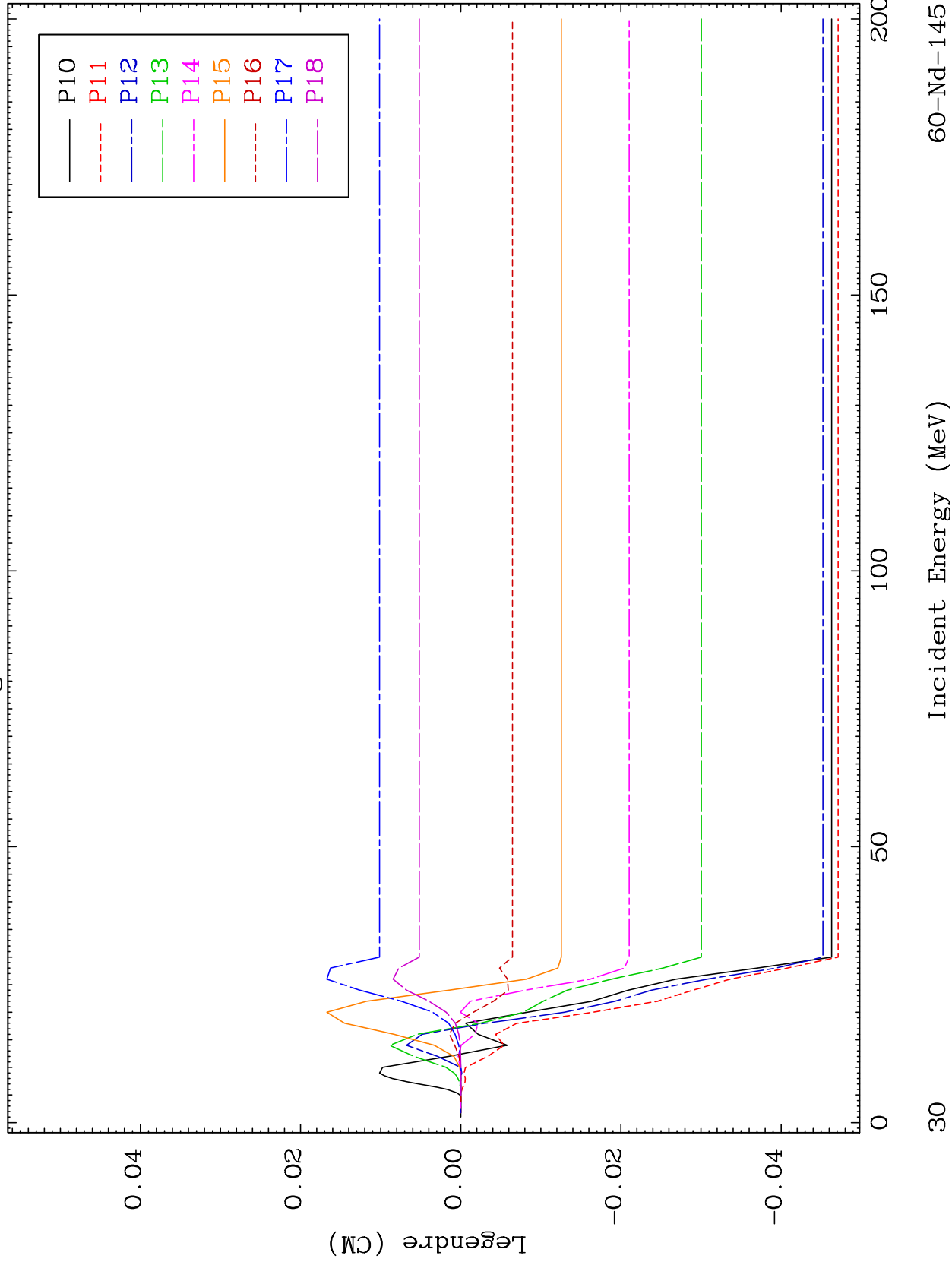




MAT 6034

MT= 53 (n,n') Level  
Legendre Coefficients

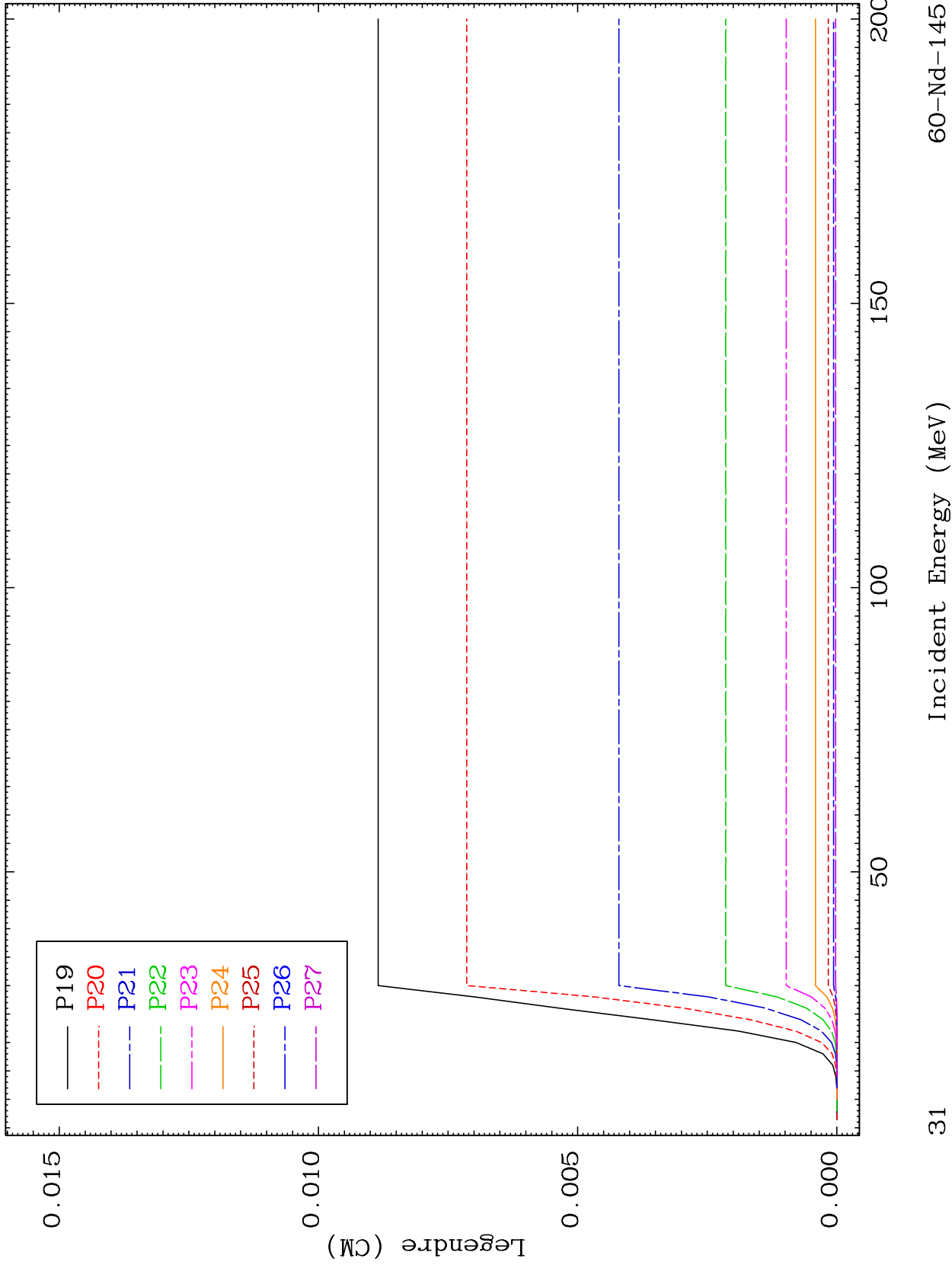
60-Nd-145



MAT 6034

MT= 53 (n,n') Level  
Legendre Coefficients

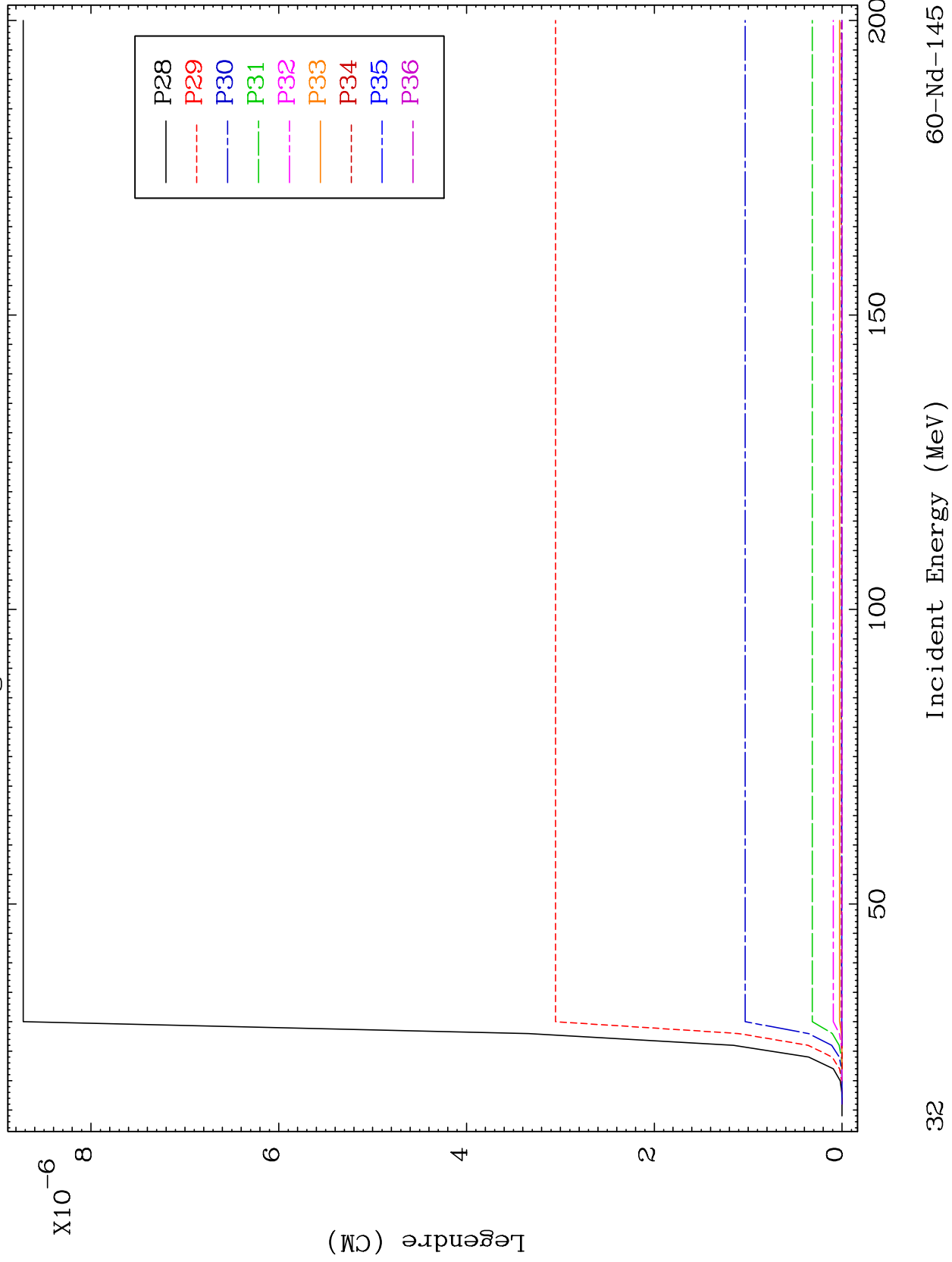
60-Nd-145



MAT 6034

MT= 53 (n,n') Level  
Legendre Coefficients

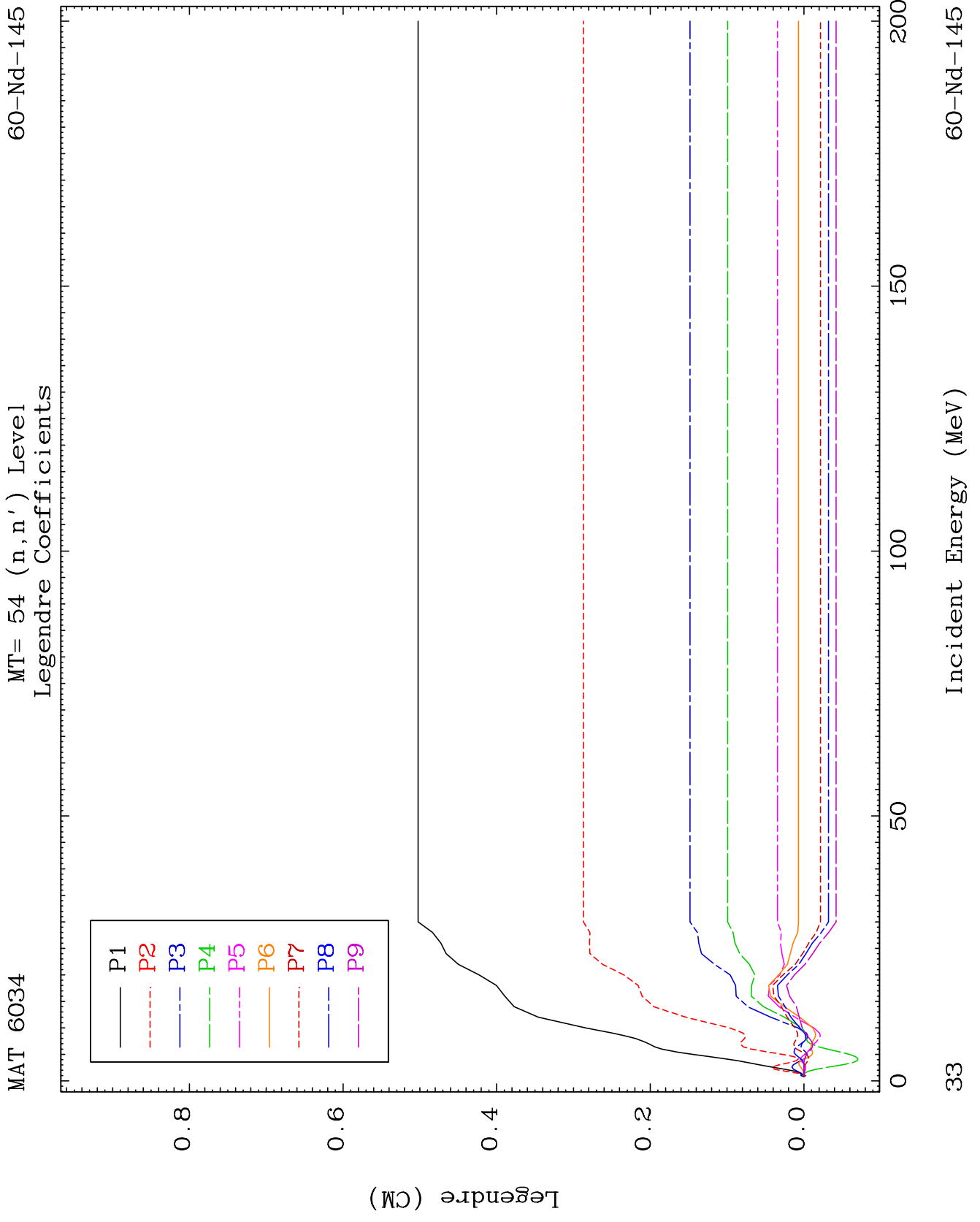
60-Nd-145



32

Incident Energy (MeV)

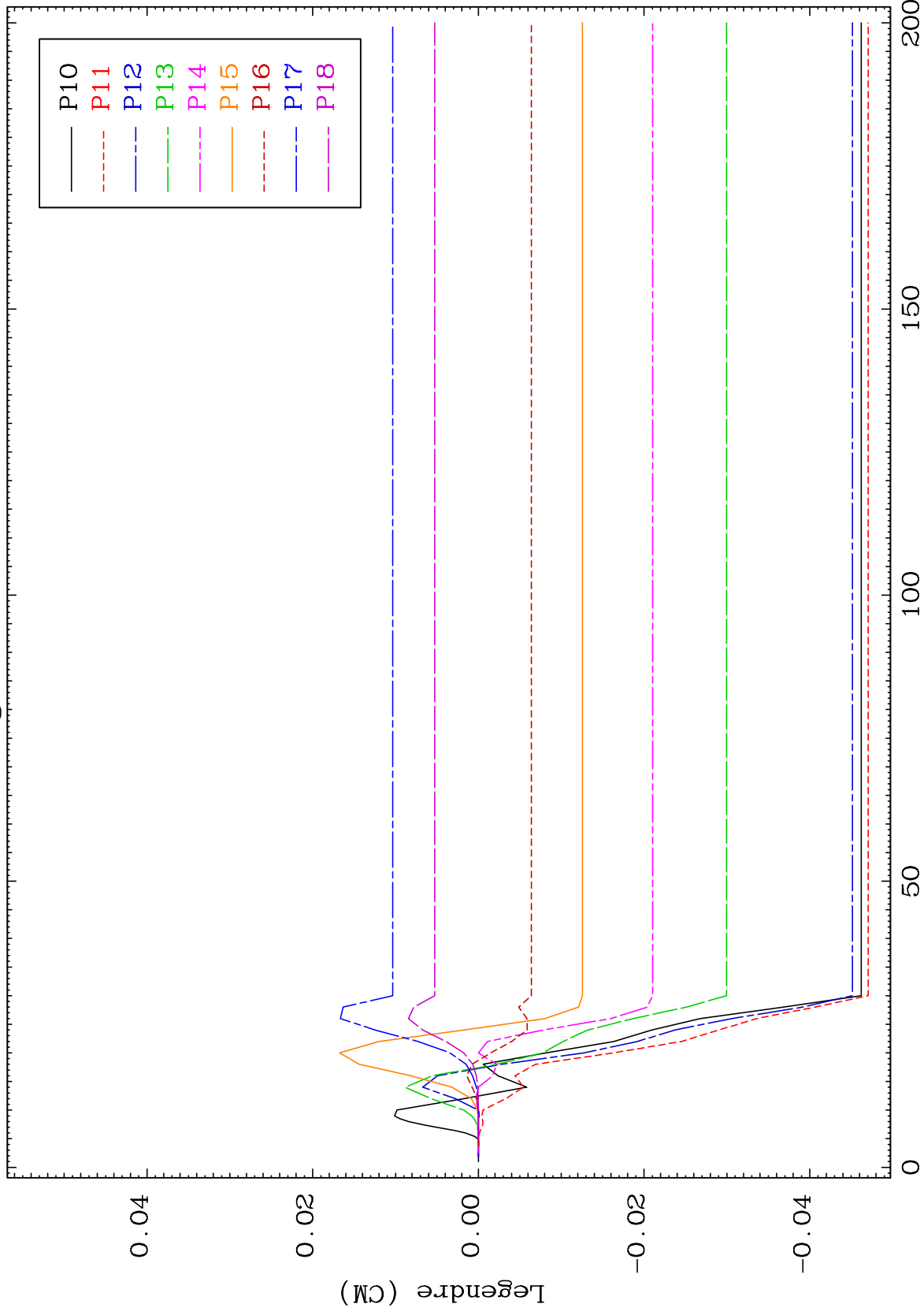
60-Nd-145



MAT 6034

MT= 54 (n,n') Level  
Legendre Coefficients

60-Nd-145



34

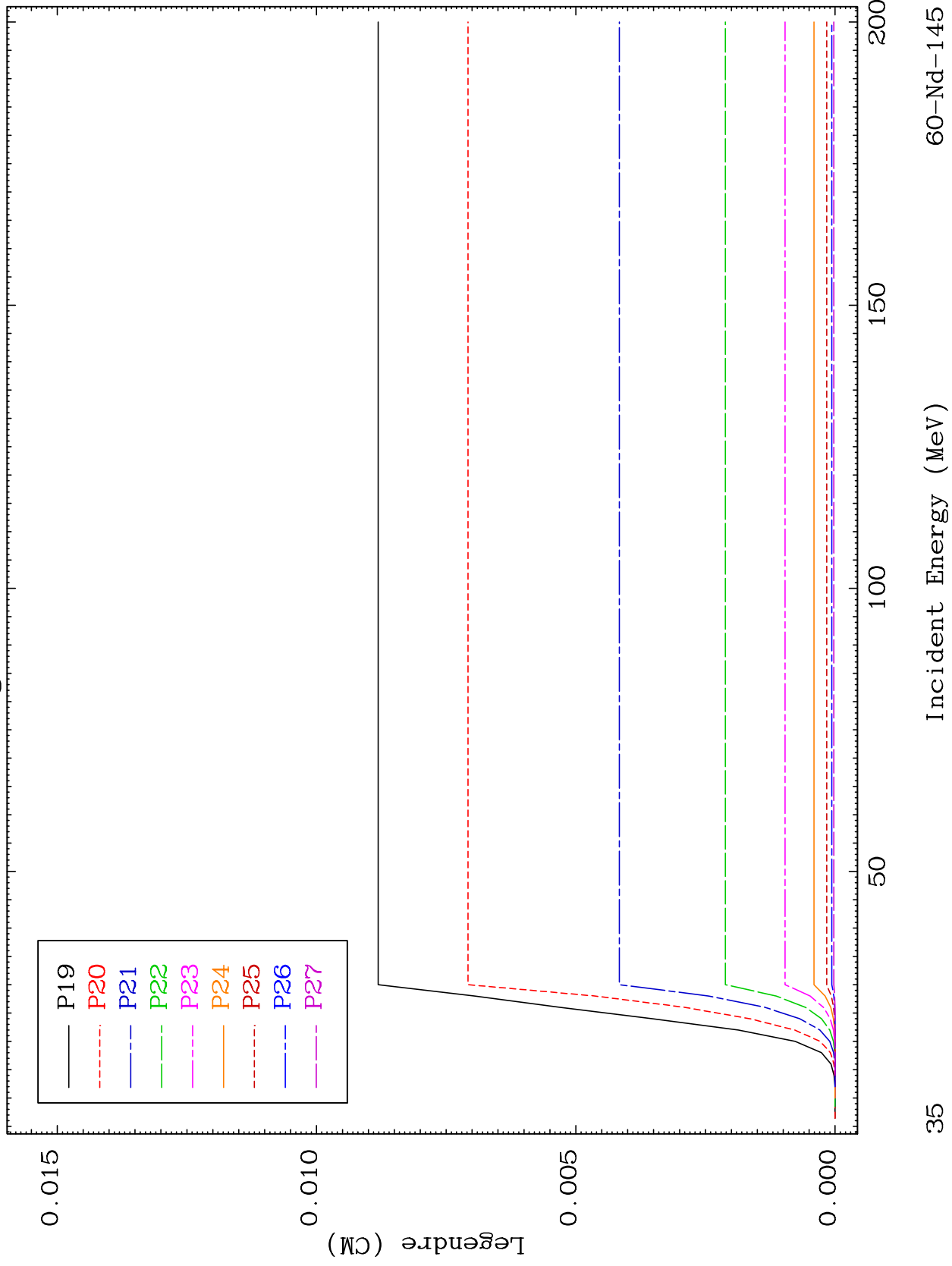
Incident Energy (MeV)

60-Nd-145

MAT 6034

MT= 54 (n,n') Level  
Legendre Coefficients

60-Nd-145



35

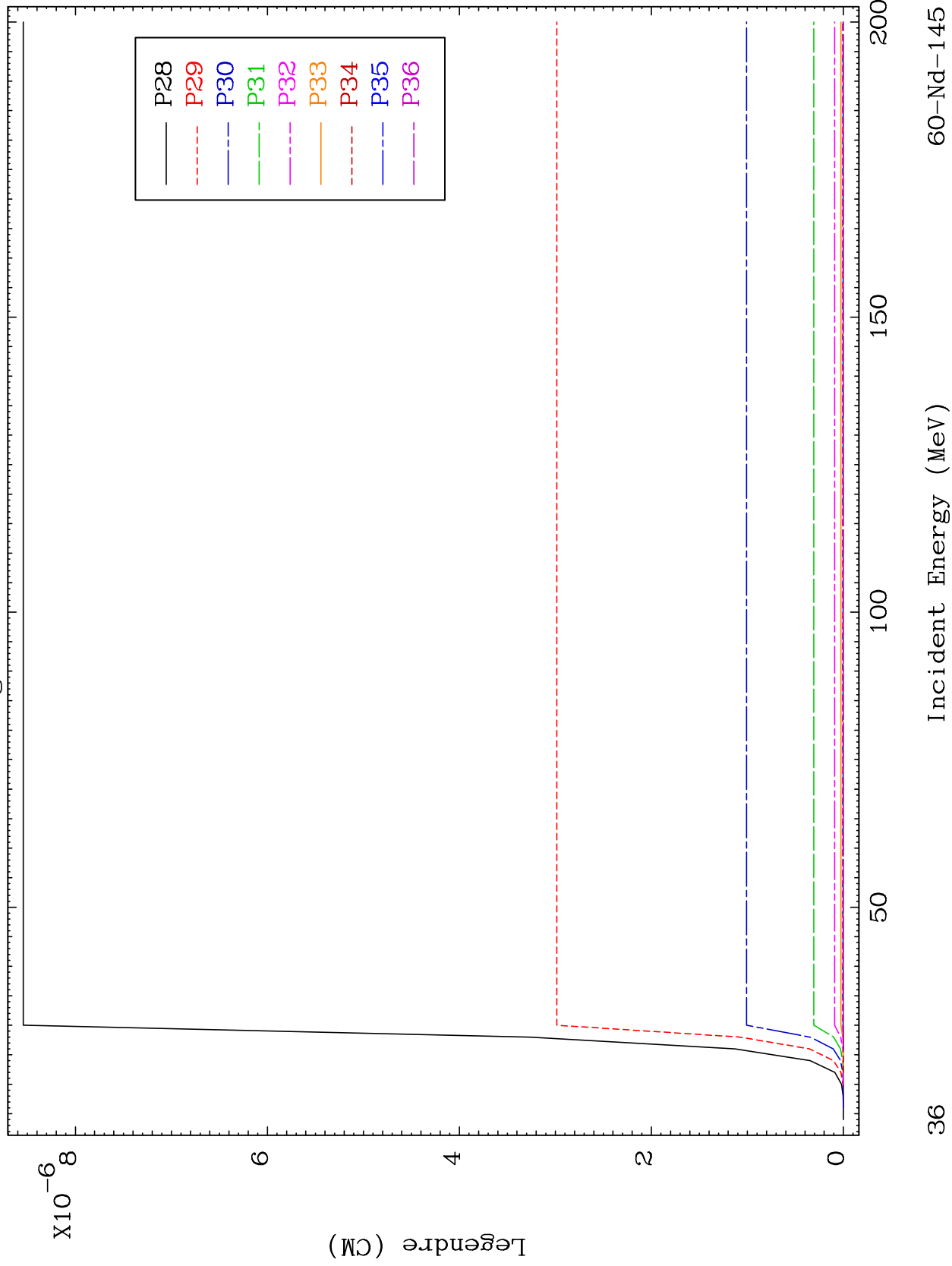
Incident Energy (MeV)

60-Nd-145

MAT 6034

MT= 54 (n,n') Level  
Legendre Coefficients

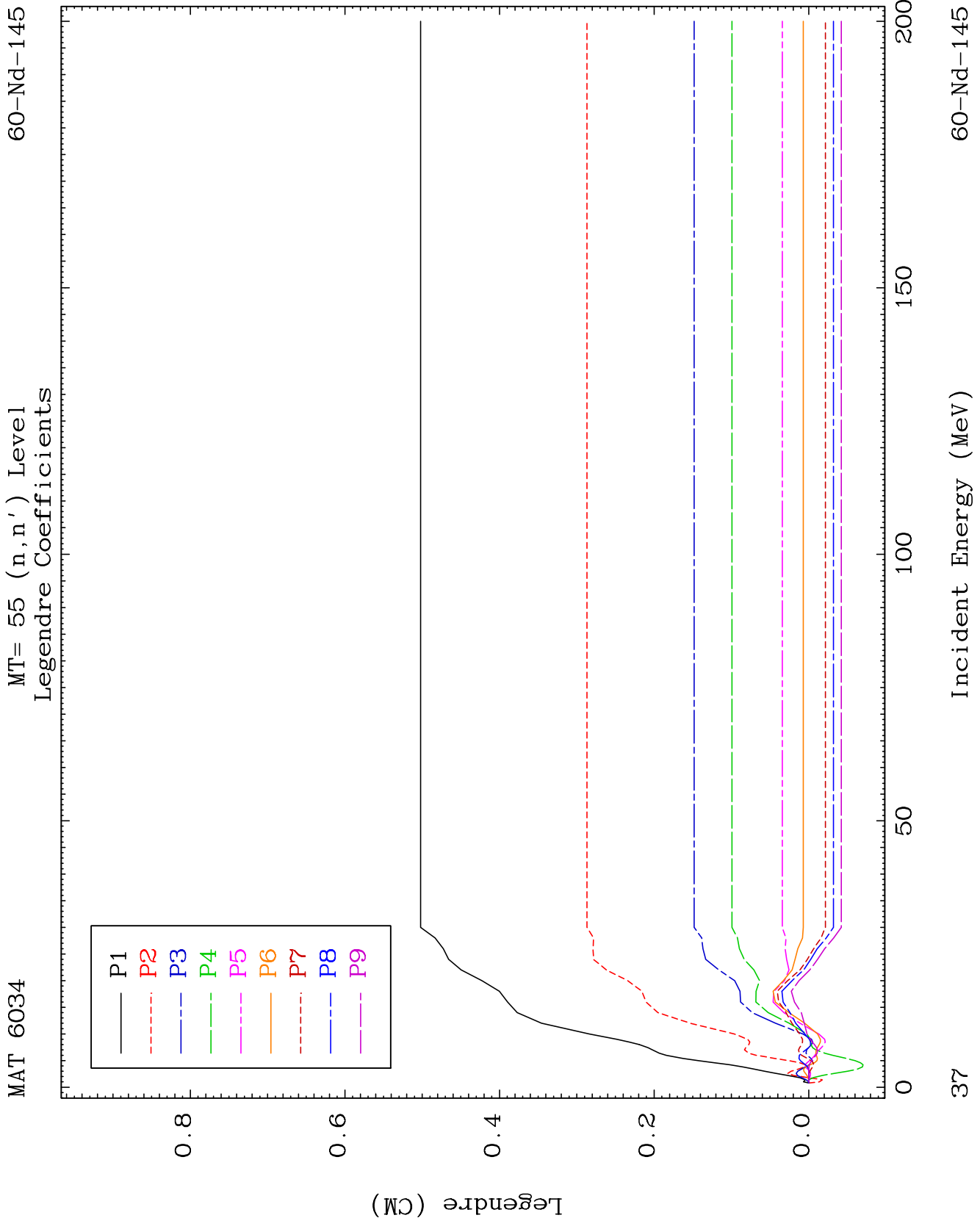
60-Nd-145



36

Incident Energy (MeV)

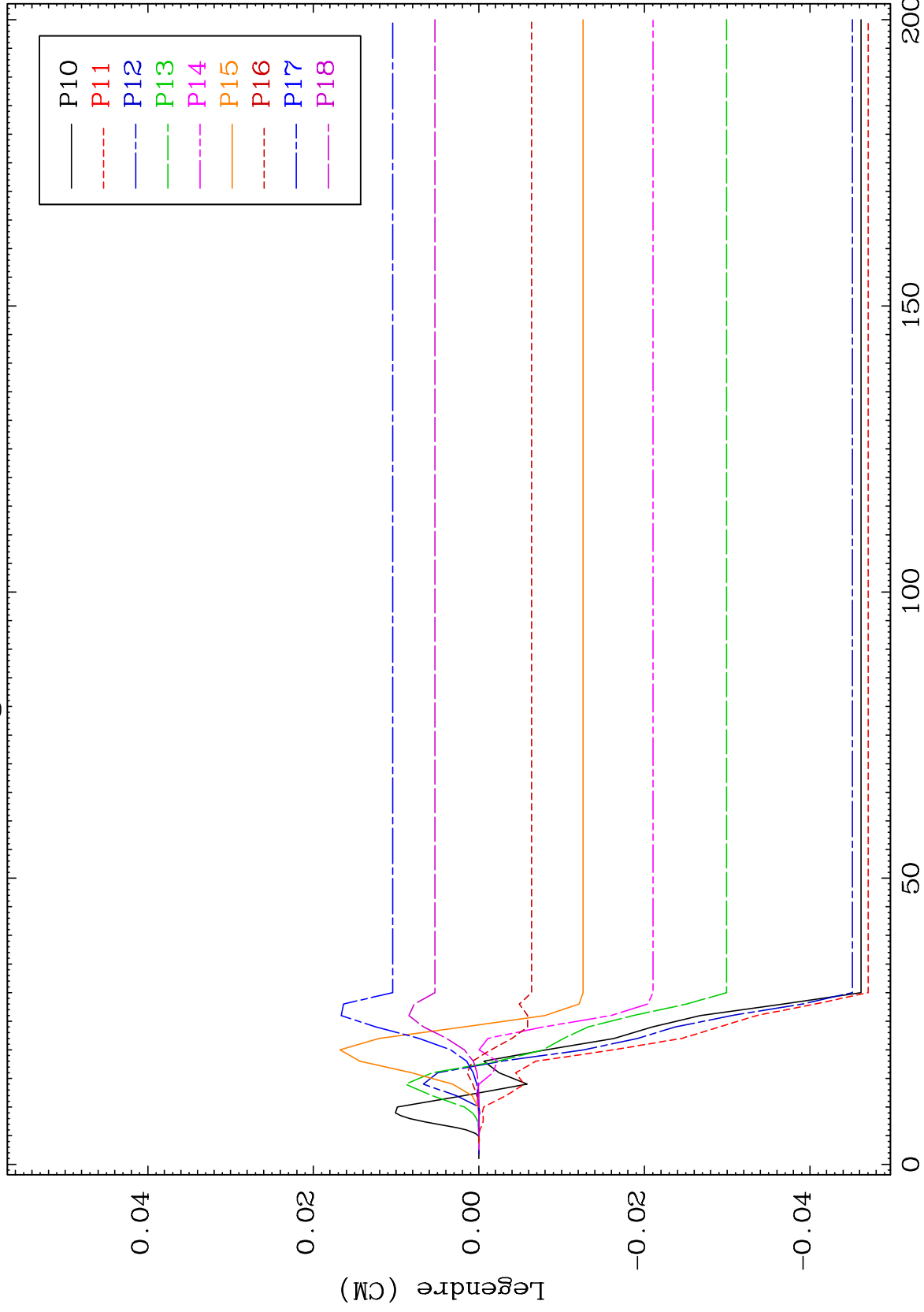
60-Nd-145



MAT 6034

MT= 55 (n,n') Level  
Legendre Coefficients

60-Nd-145



38

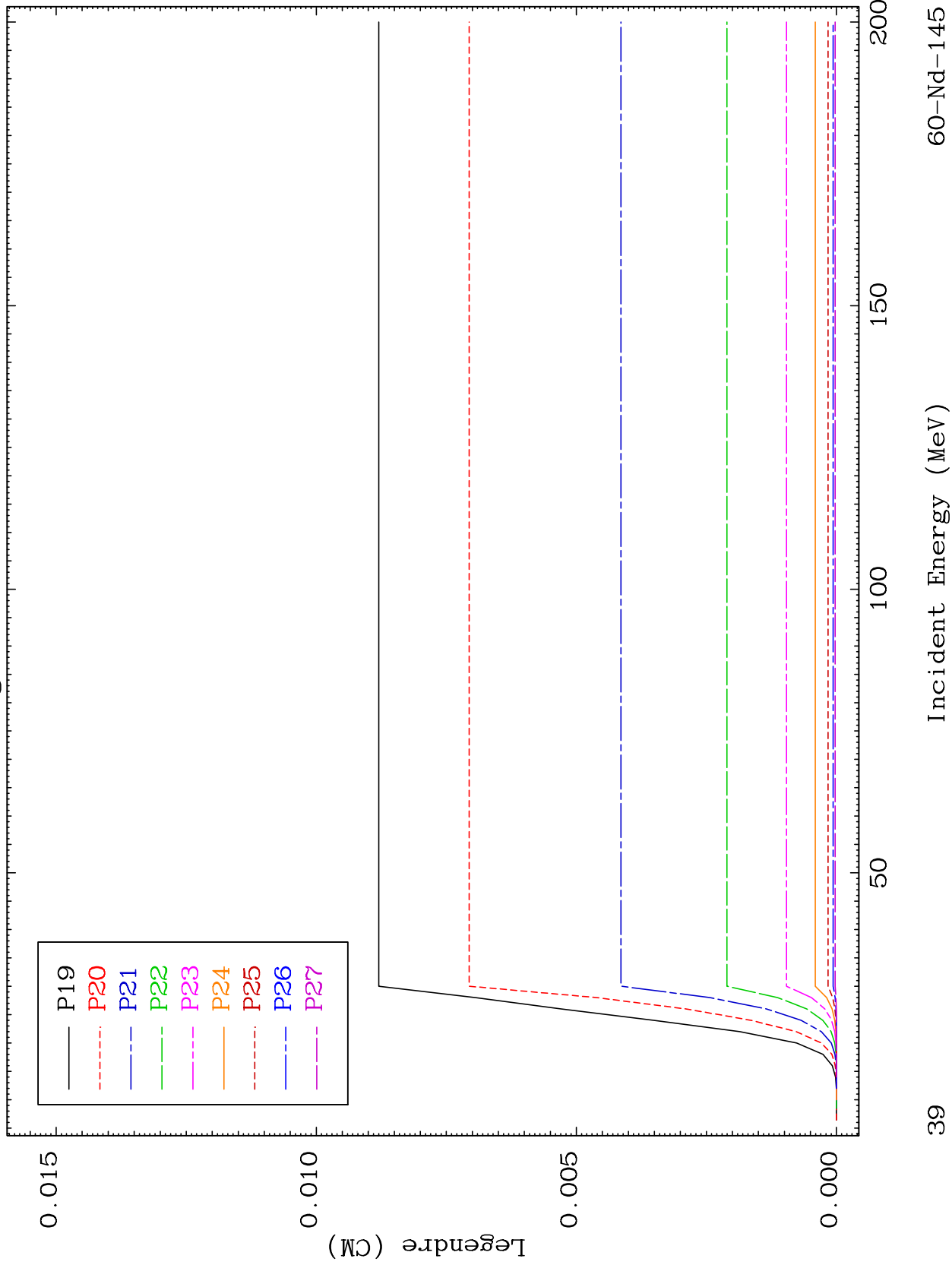
Incident Energy (MeV)

60-Nd-145

MAT 6034

MT= 55 (n,n') Level  
Legendre Coefficients

60-Nd-145



39

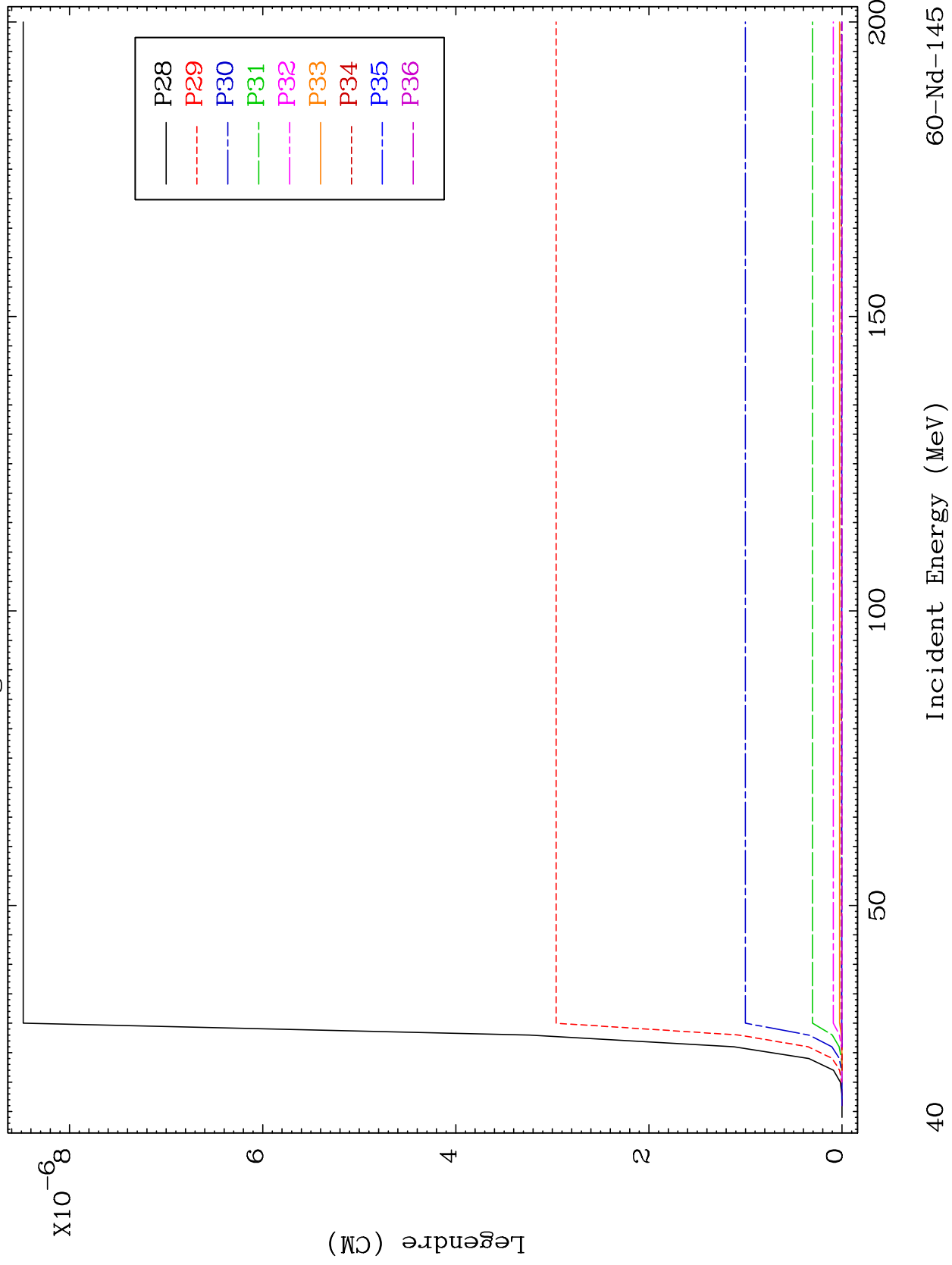
Incident Energy (MeV)

60-Nd-145

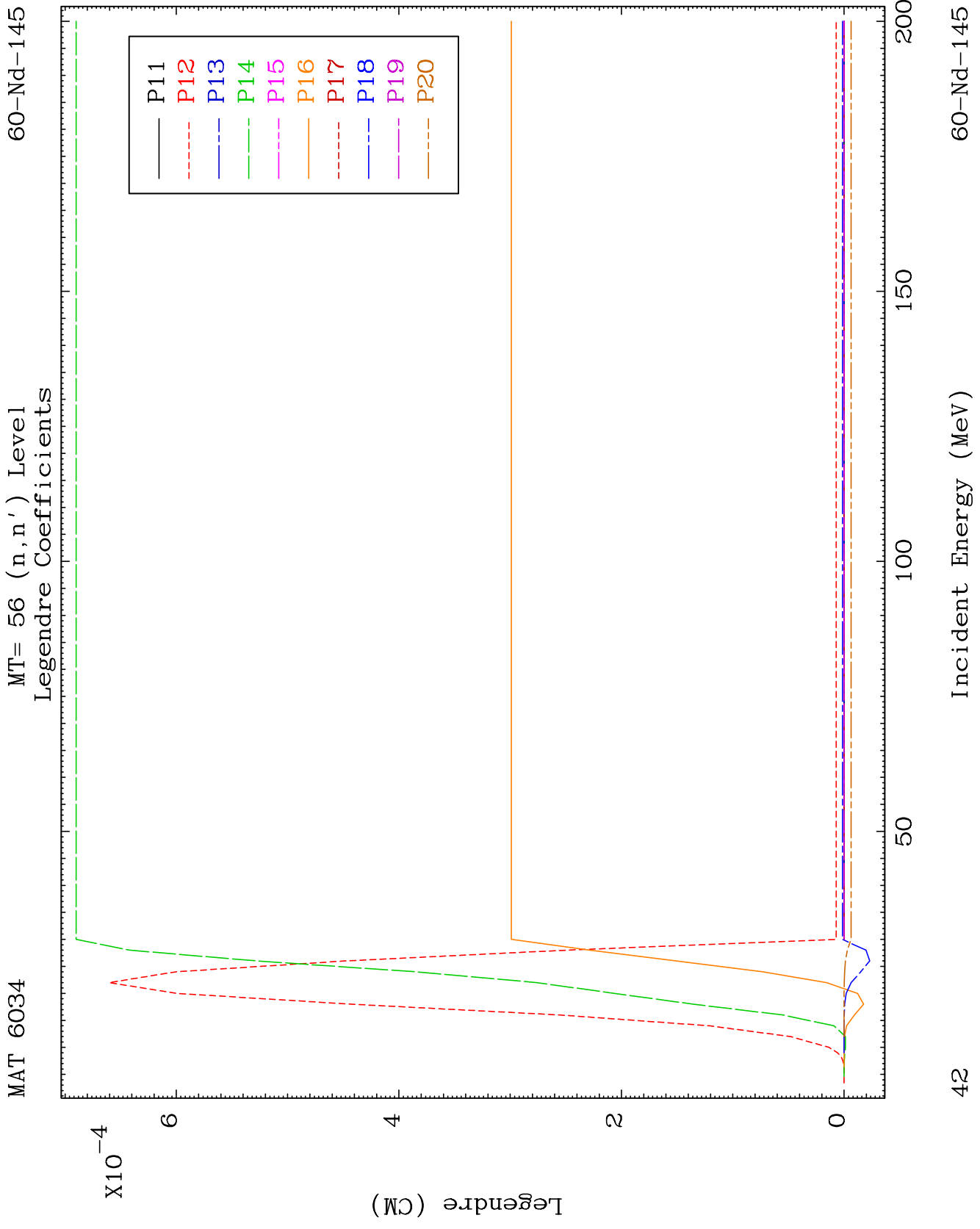
MAT 6034

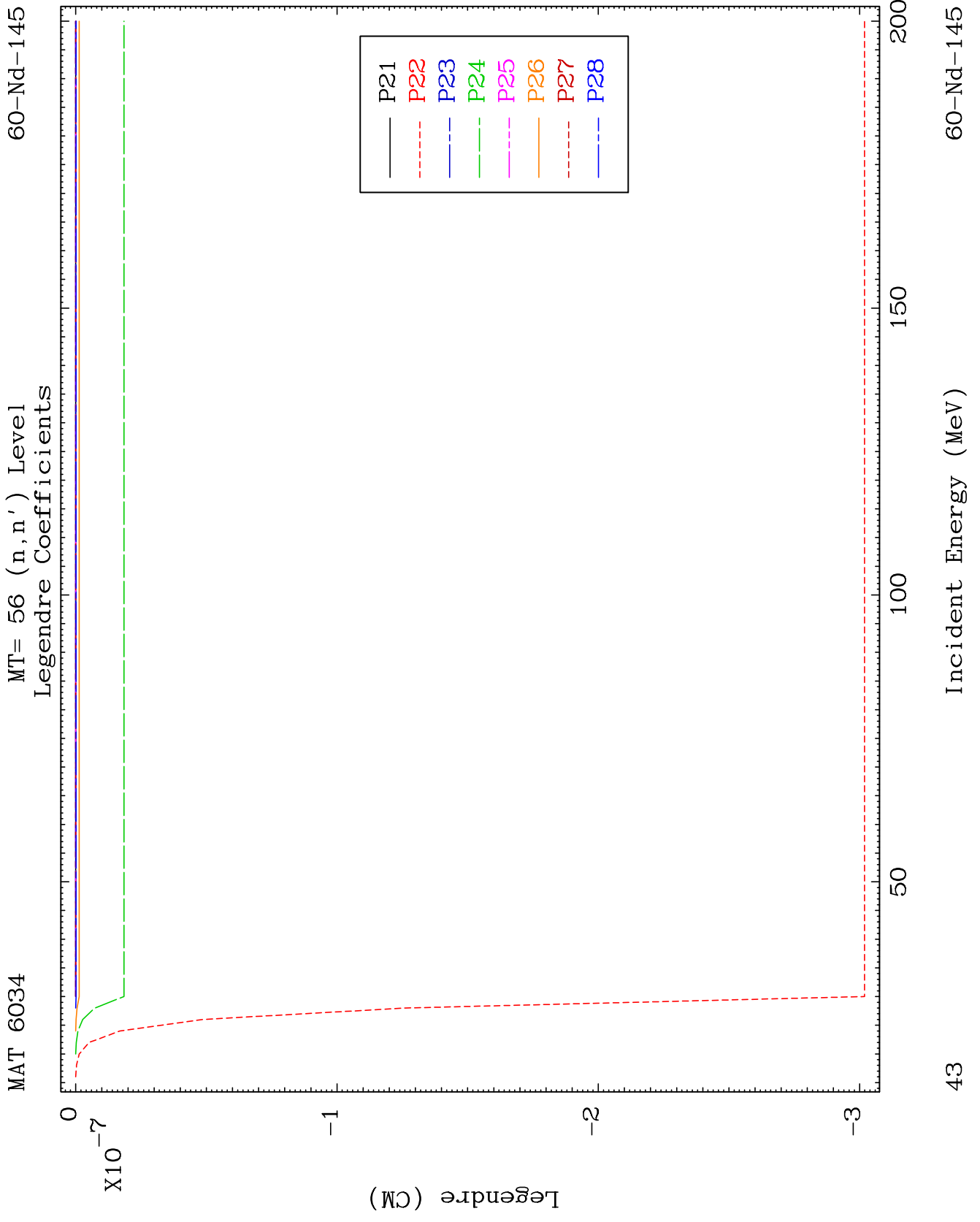
MT= 55 (n,n') Level  
Legendre Coefficients

60-Nd-145





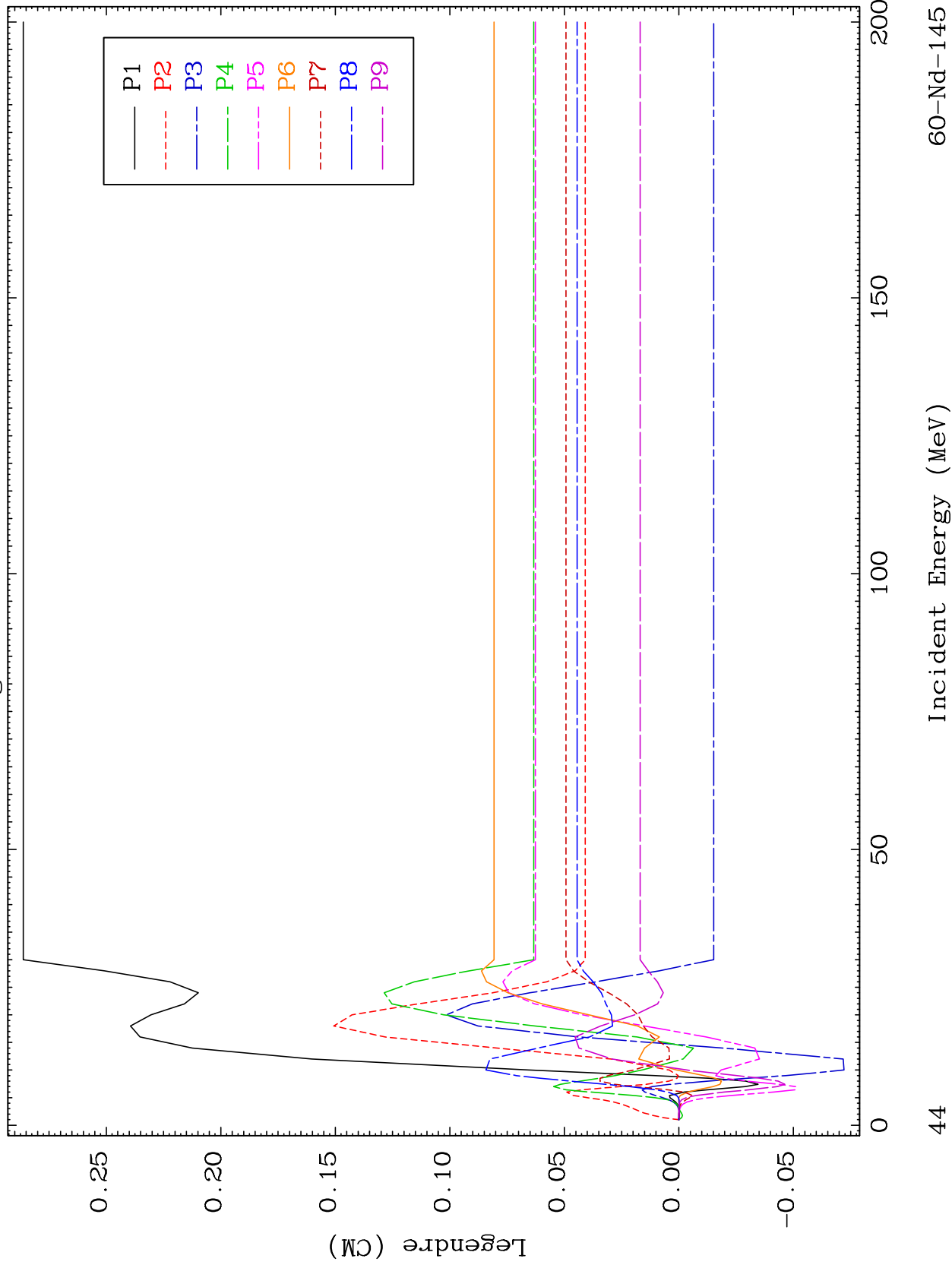




MAT 6034

MT= 57 (n,n') Level  
Legendre Coefficients

60-Nd-145



44

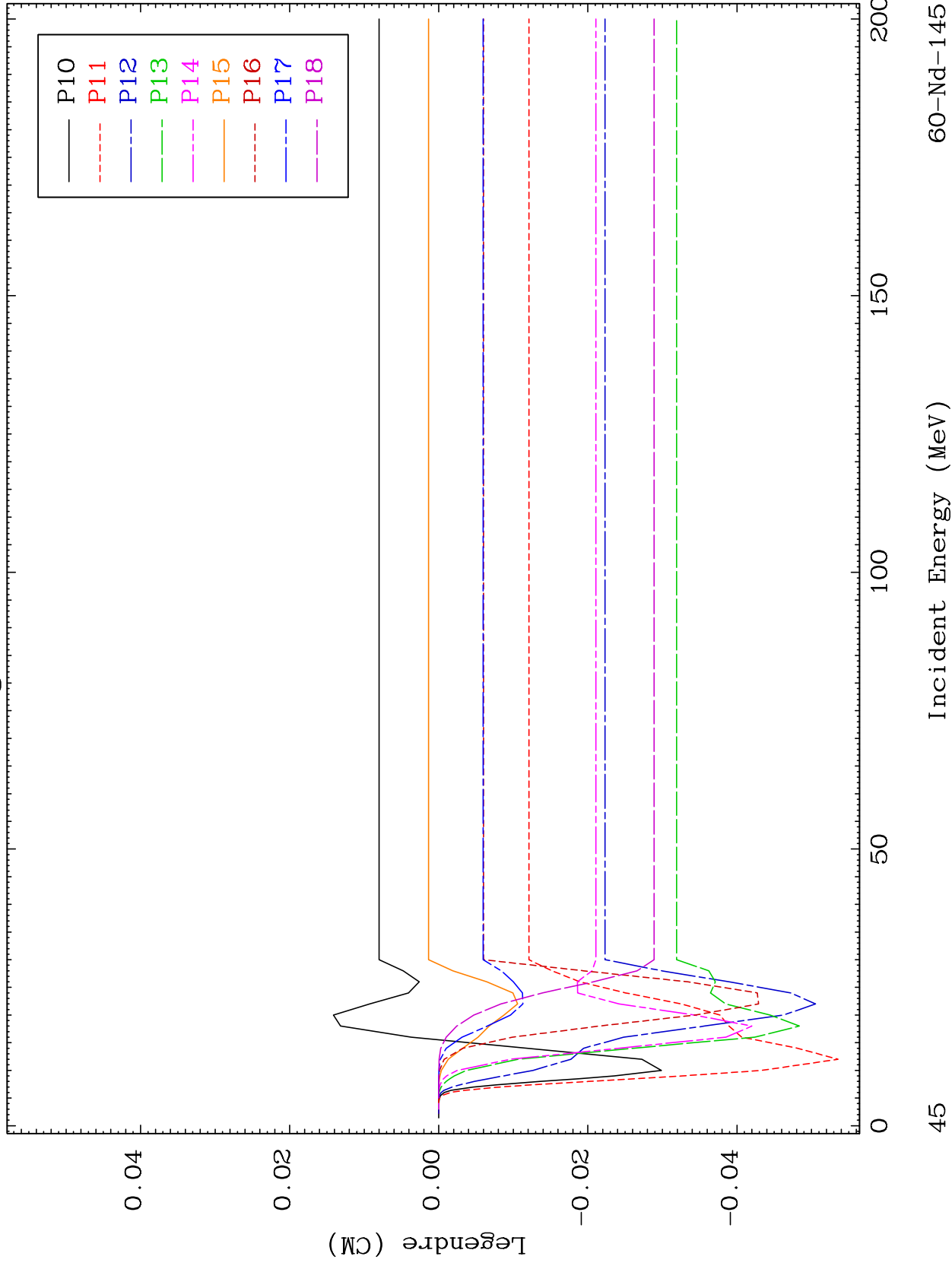
Incident Energy (MeV)

60-Nd-145

MAT 6034

MT= 57 (n,n') Level  
Legendre Coefficients

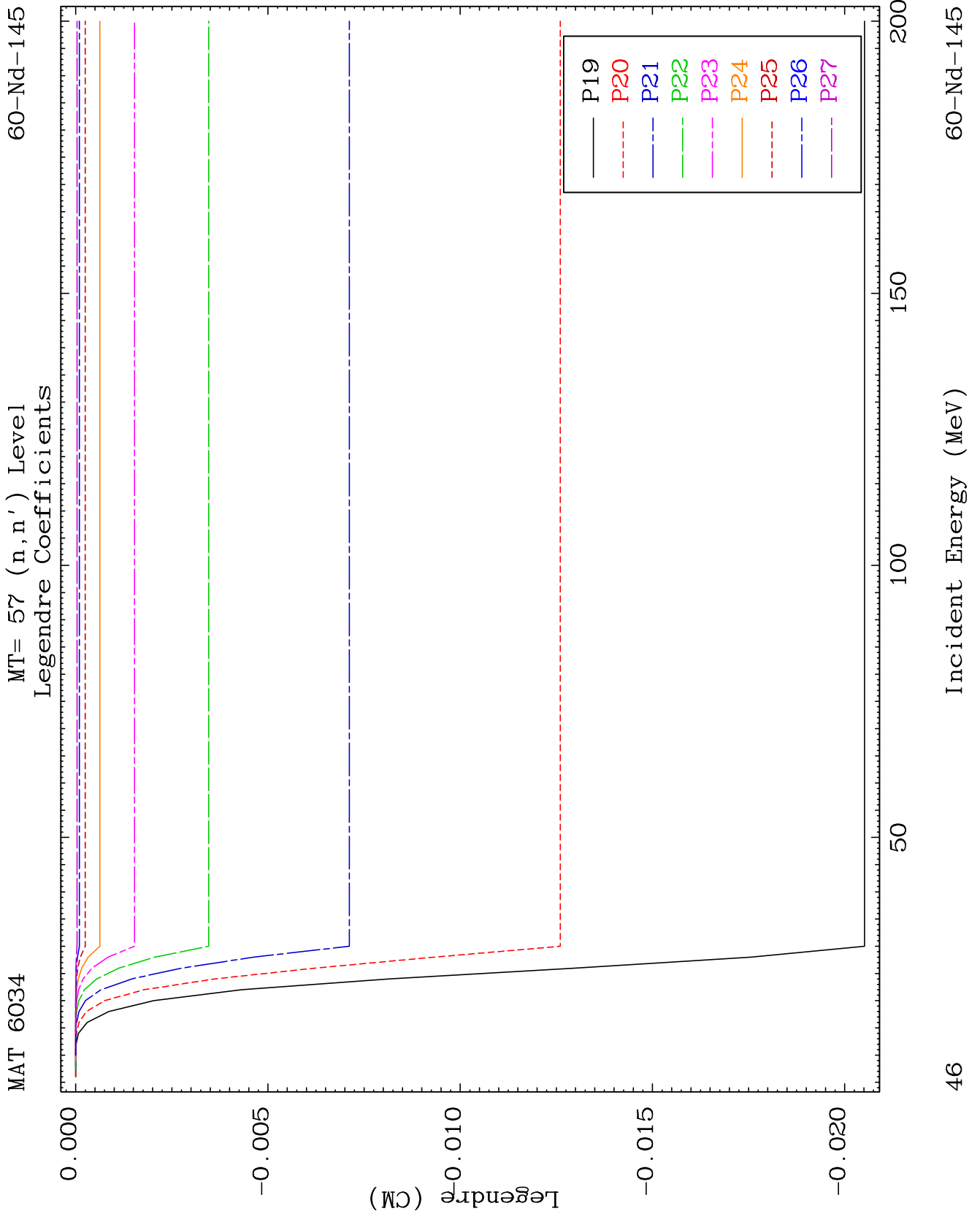
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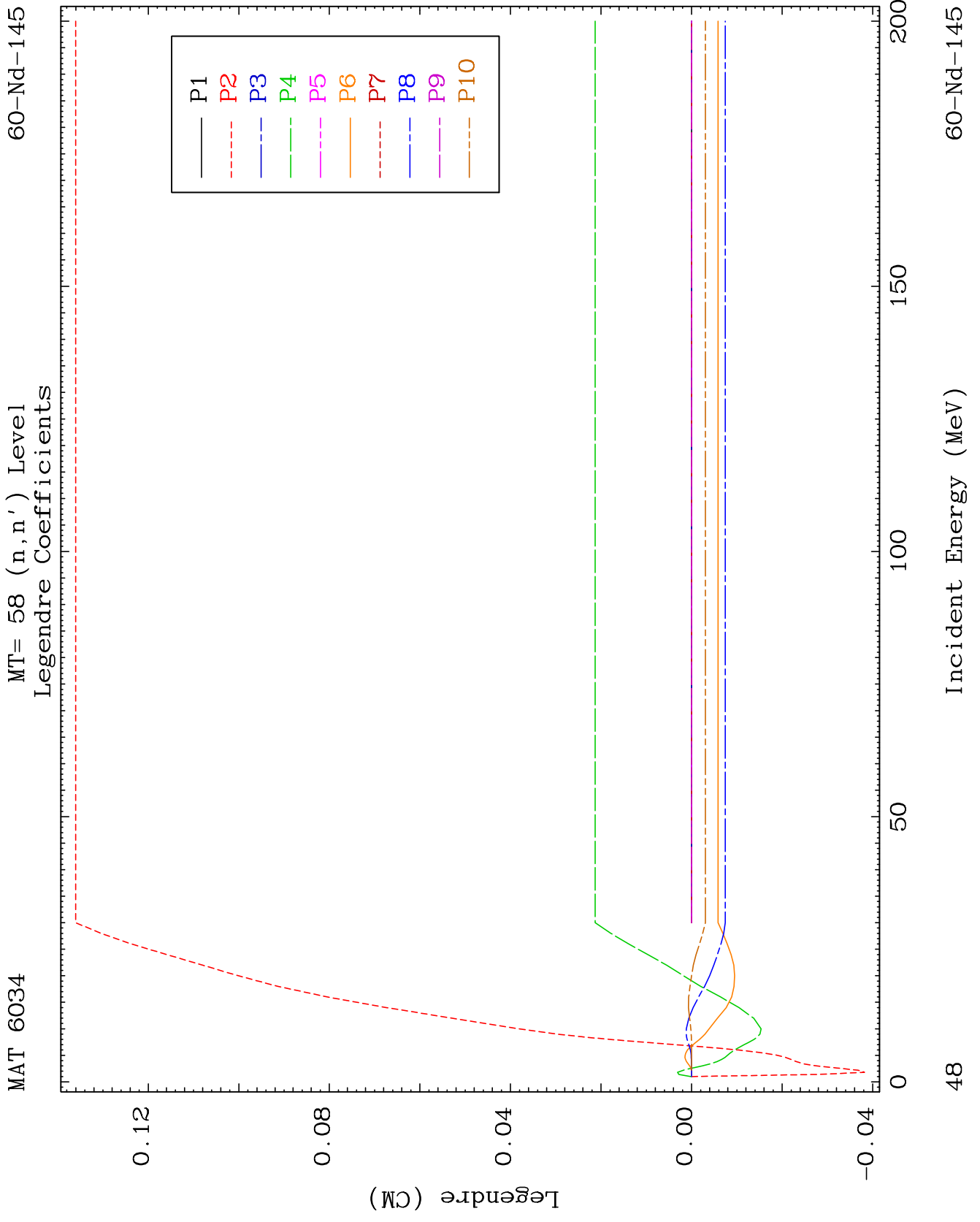
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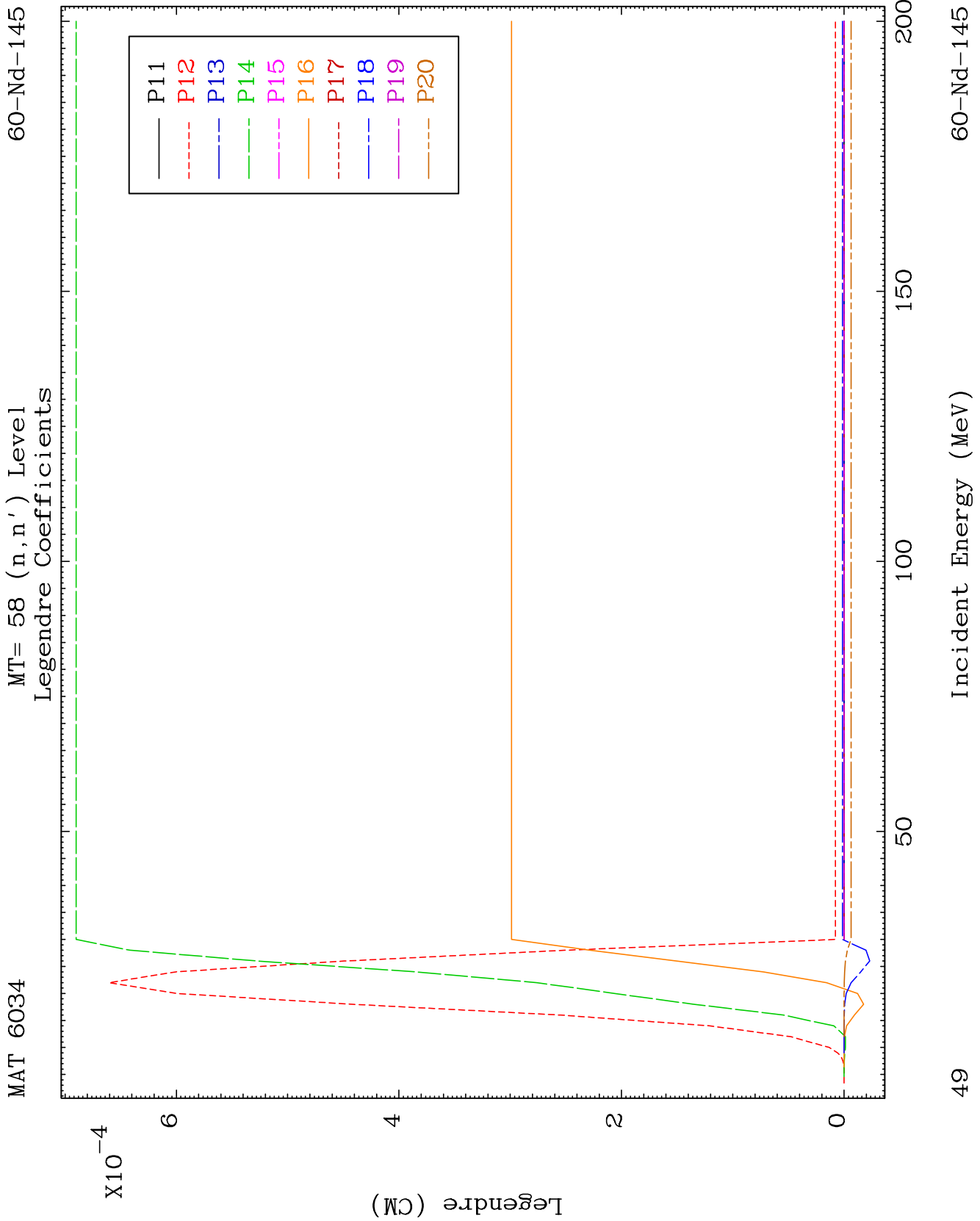
Incident Energy (MeV)

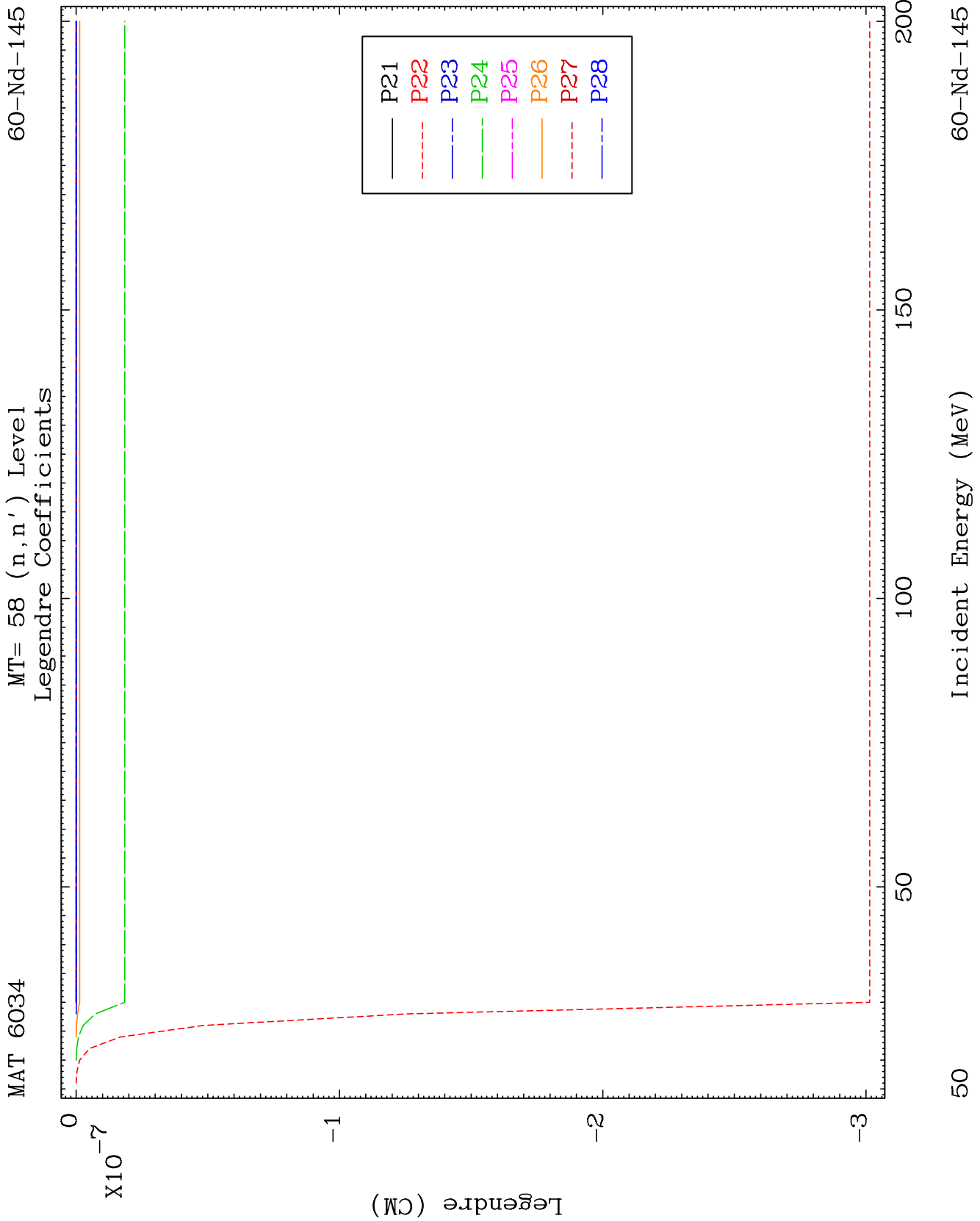
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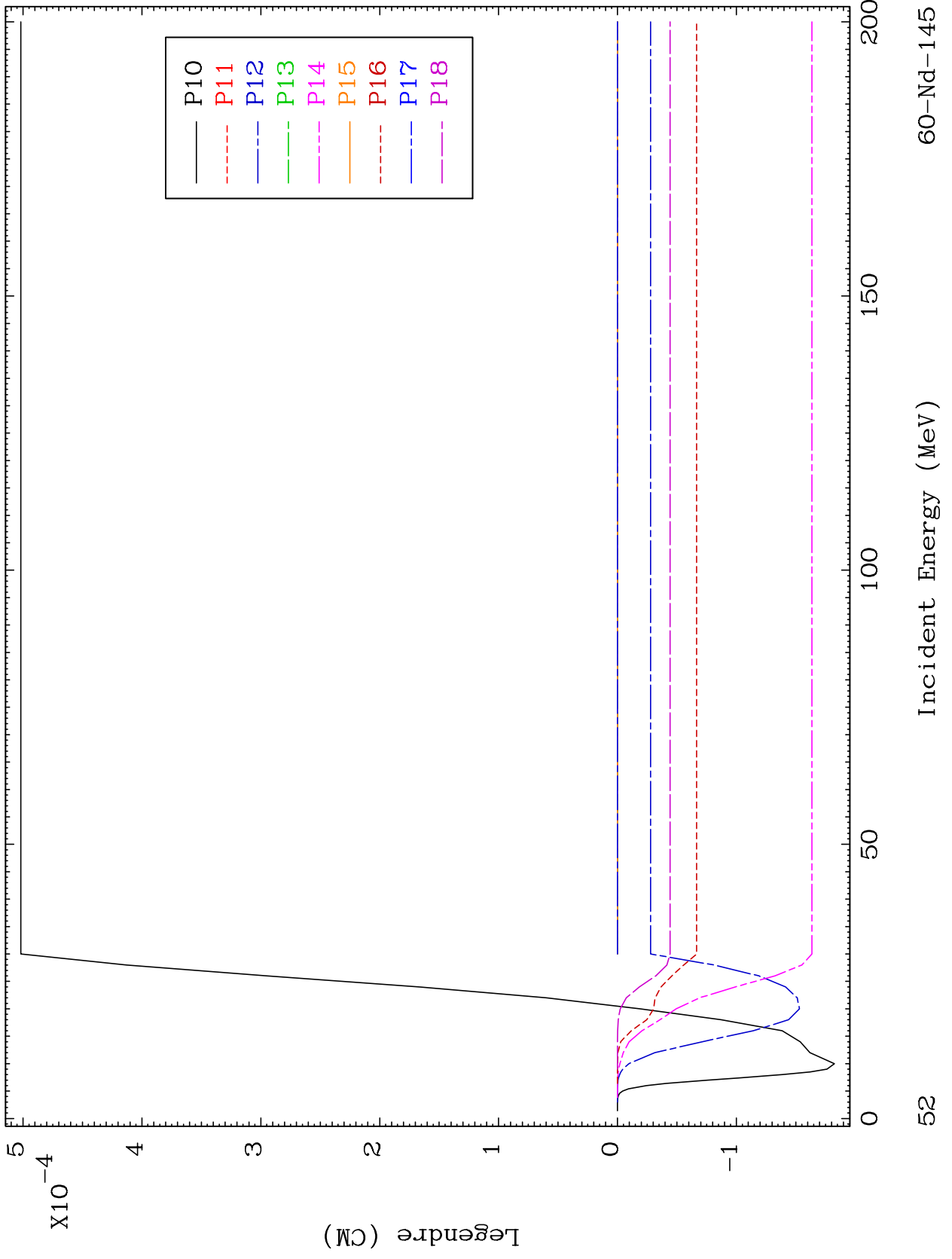


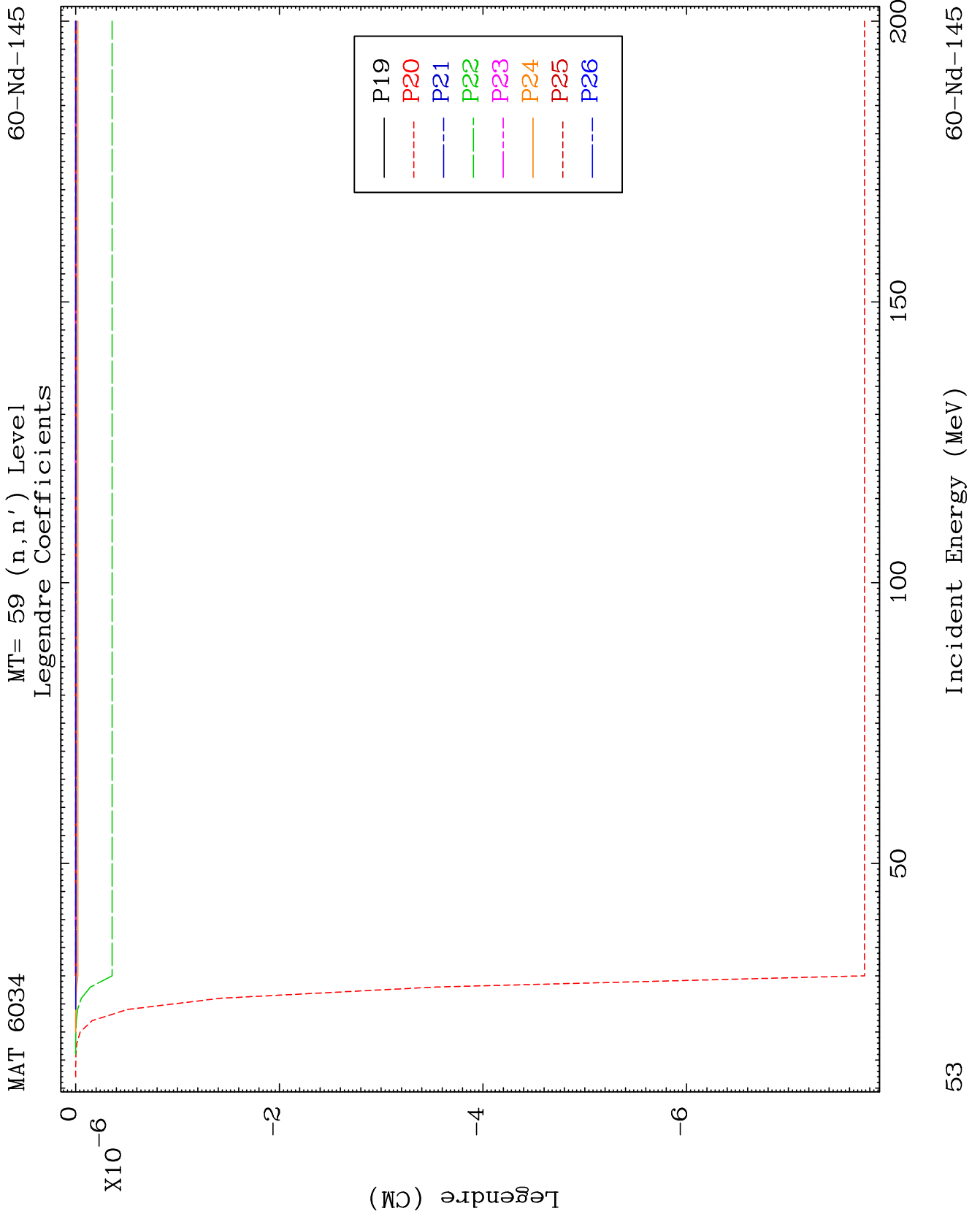


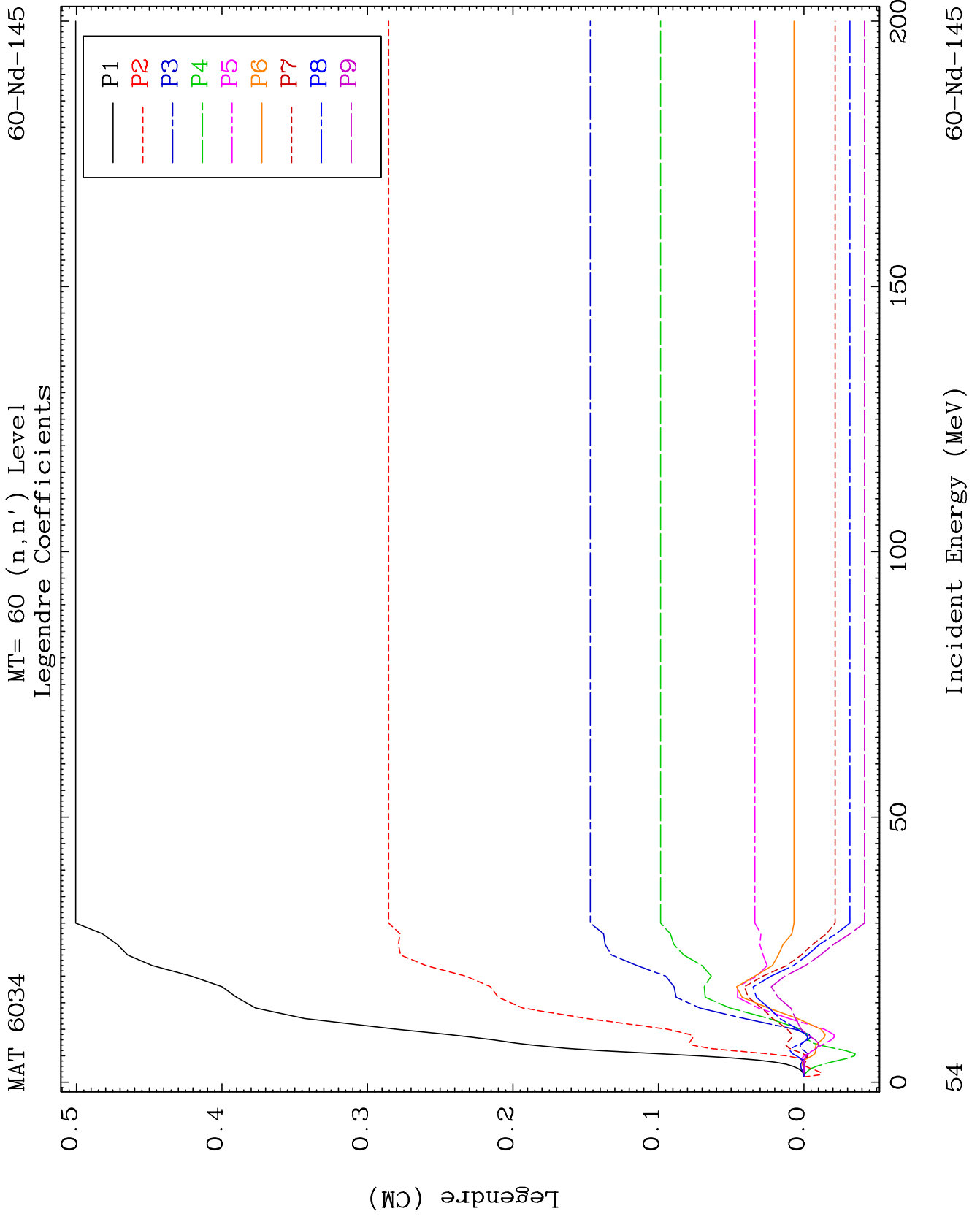
MAT 6034

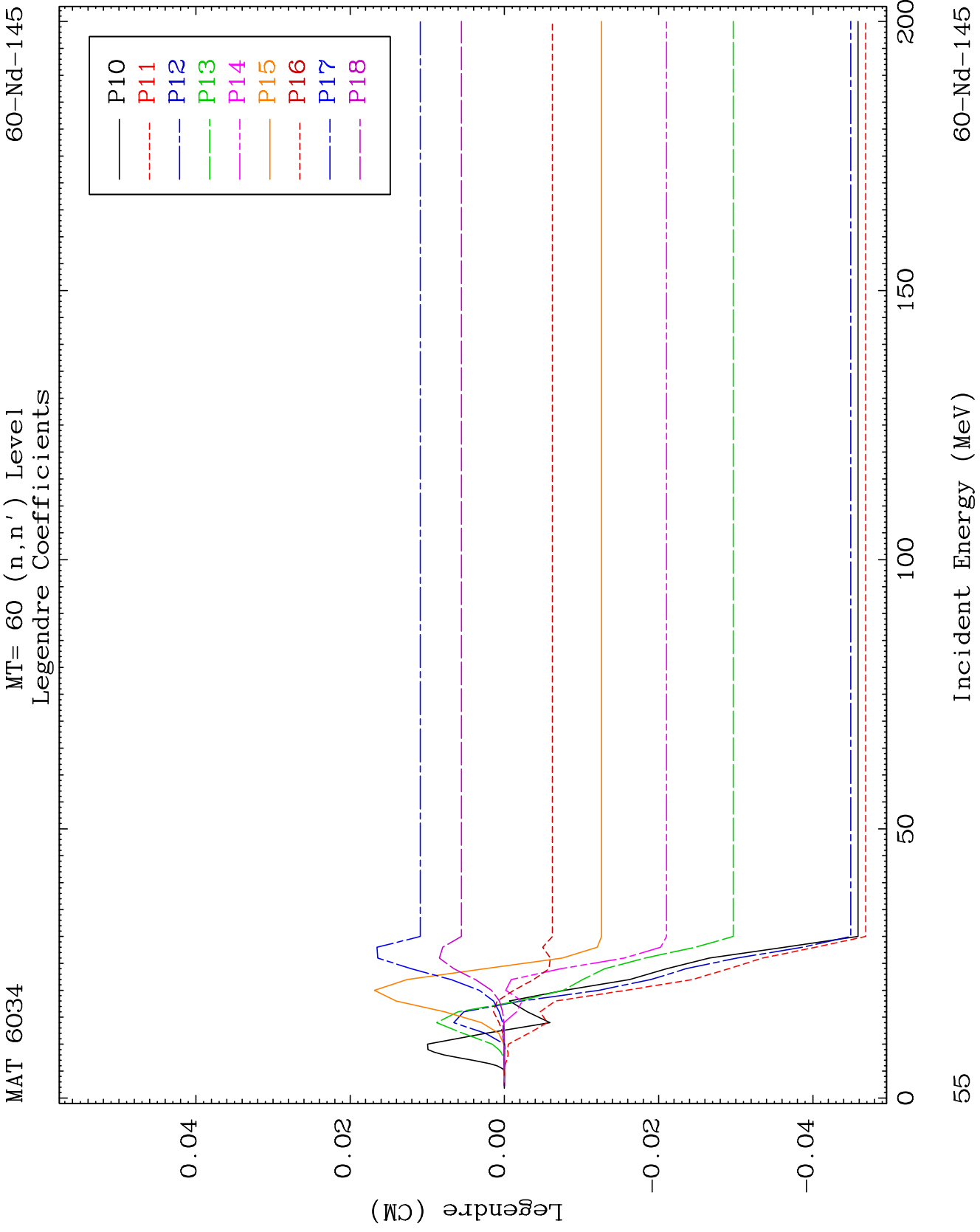
MT= 59 (n,n') Level  
Legendre Coefficients

60-Nd-145





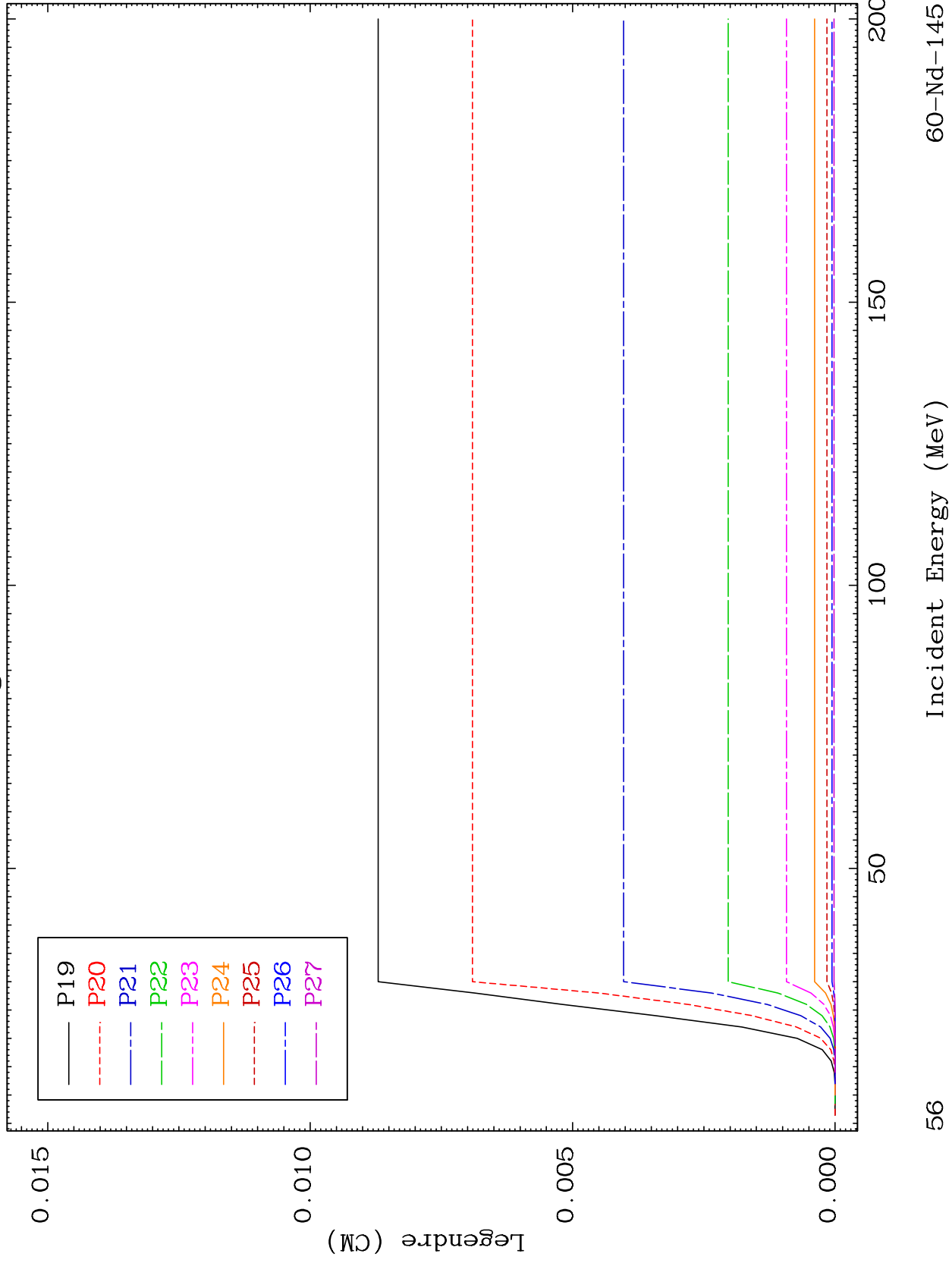




MAT 6034

MT= 60 (n,n') Level  
Legendre Coefficients

60-Nd-145



56

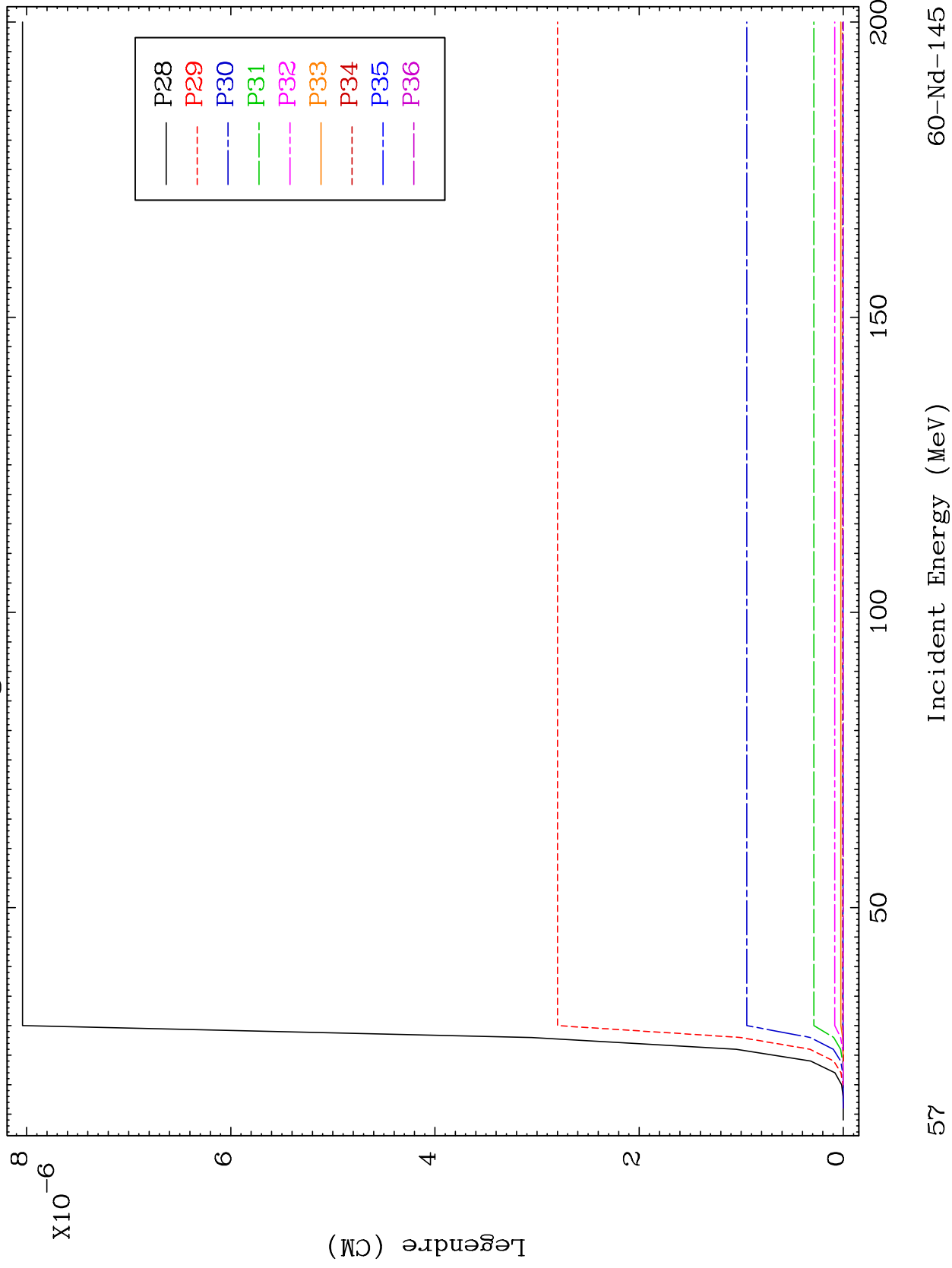
Incident Energy (MeV)

60-Nd-145

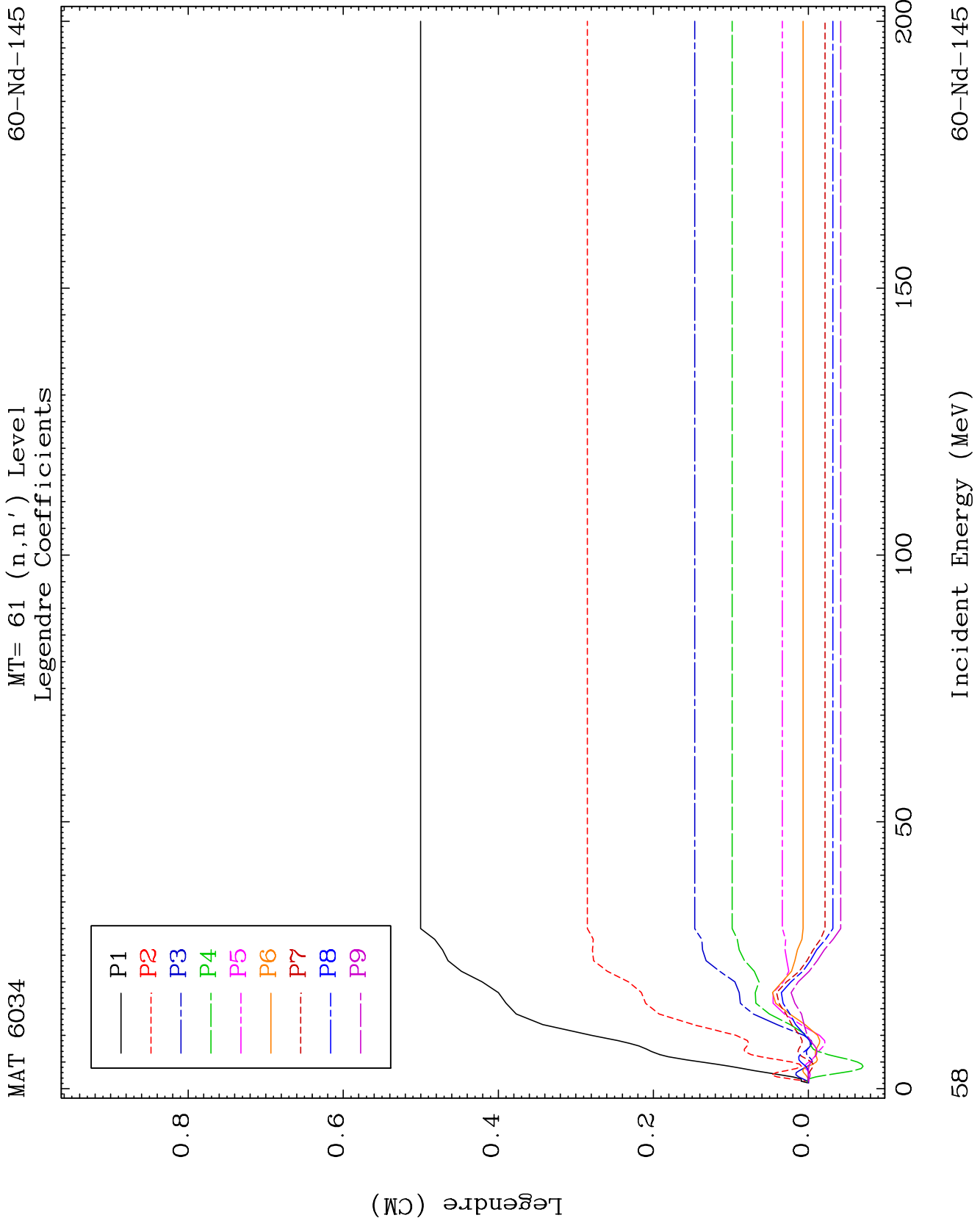
MAT 6034

MT= 60 (n,n') Level  
Legendre Coefficients

60-Nd-145



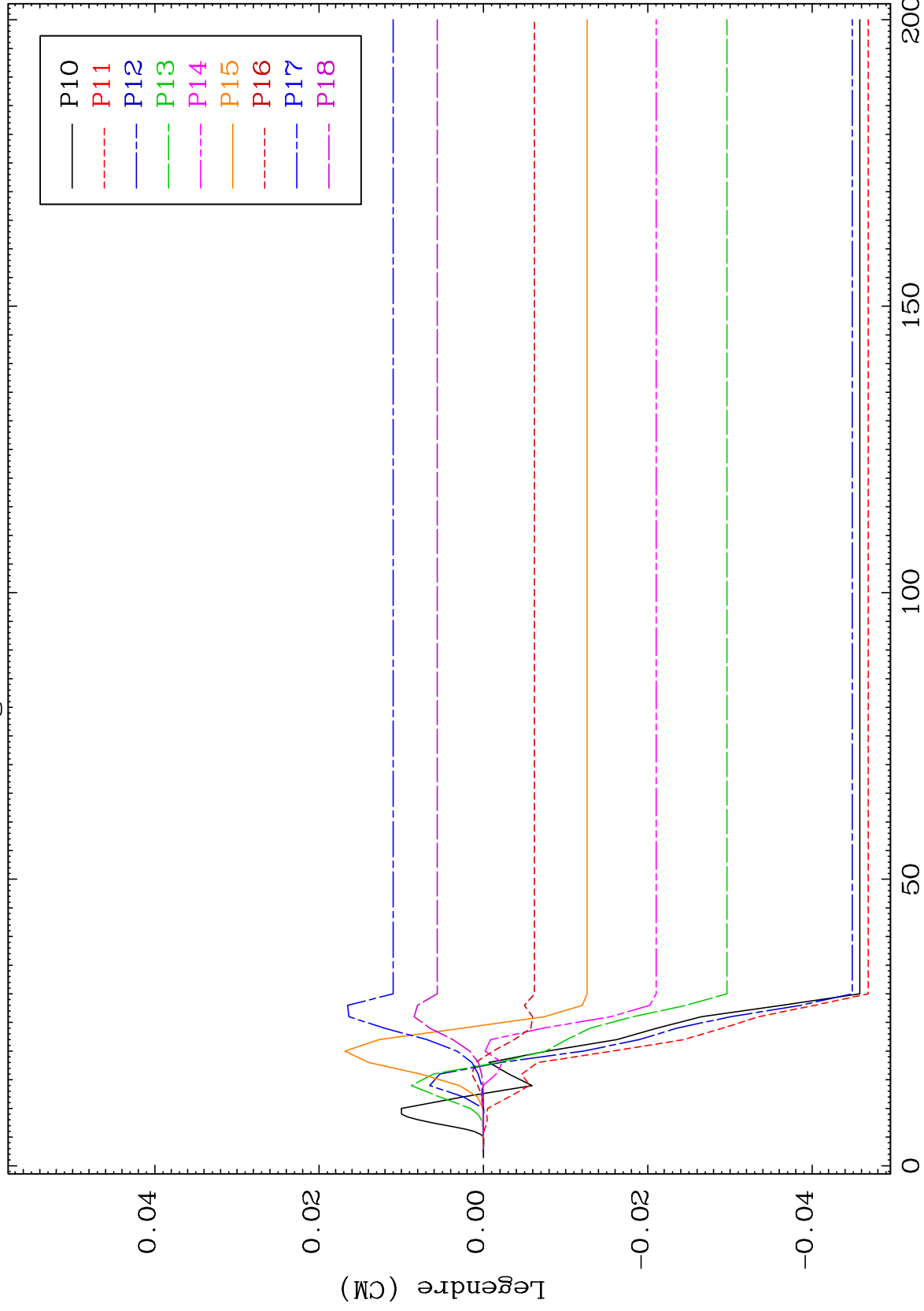
57



MAT 6034

MT= 61 (n,n') Level  
Legendre Coefficients

60-Nd-145



59

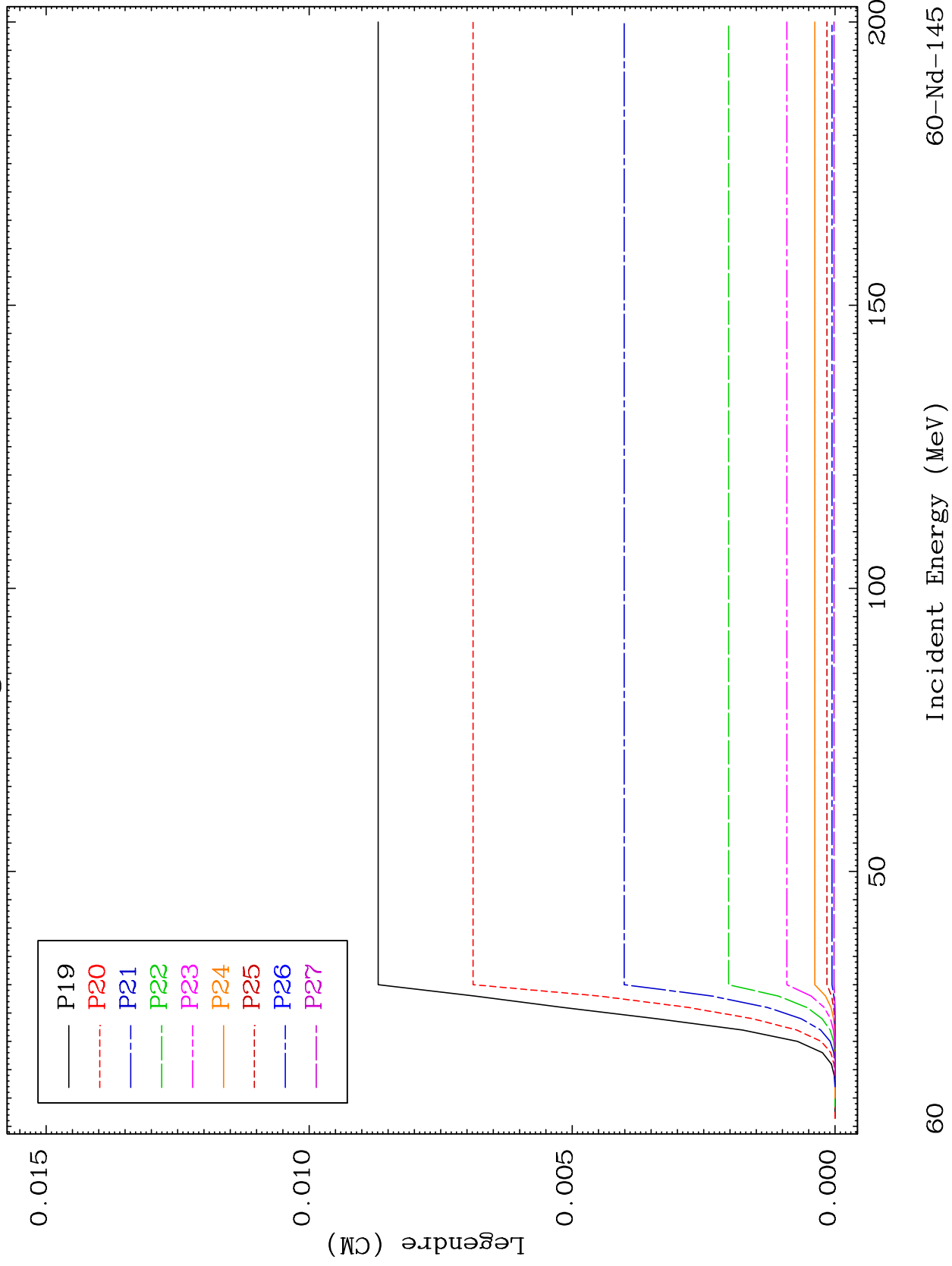
Incident Energy (MeV)

60-Nd-145

MAT 6034

MT= 61 (n,n') Level  
Legendre Coefficients

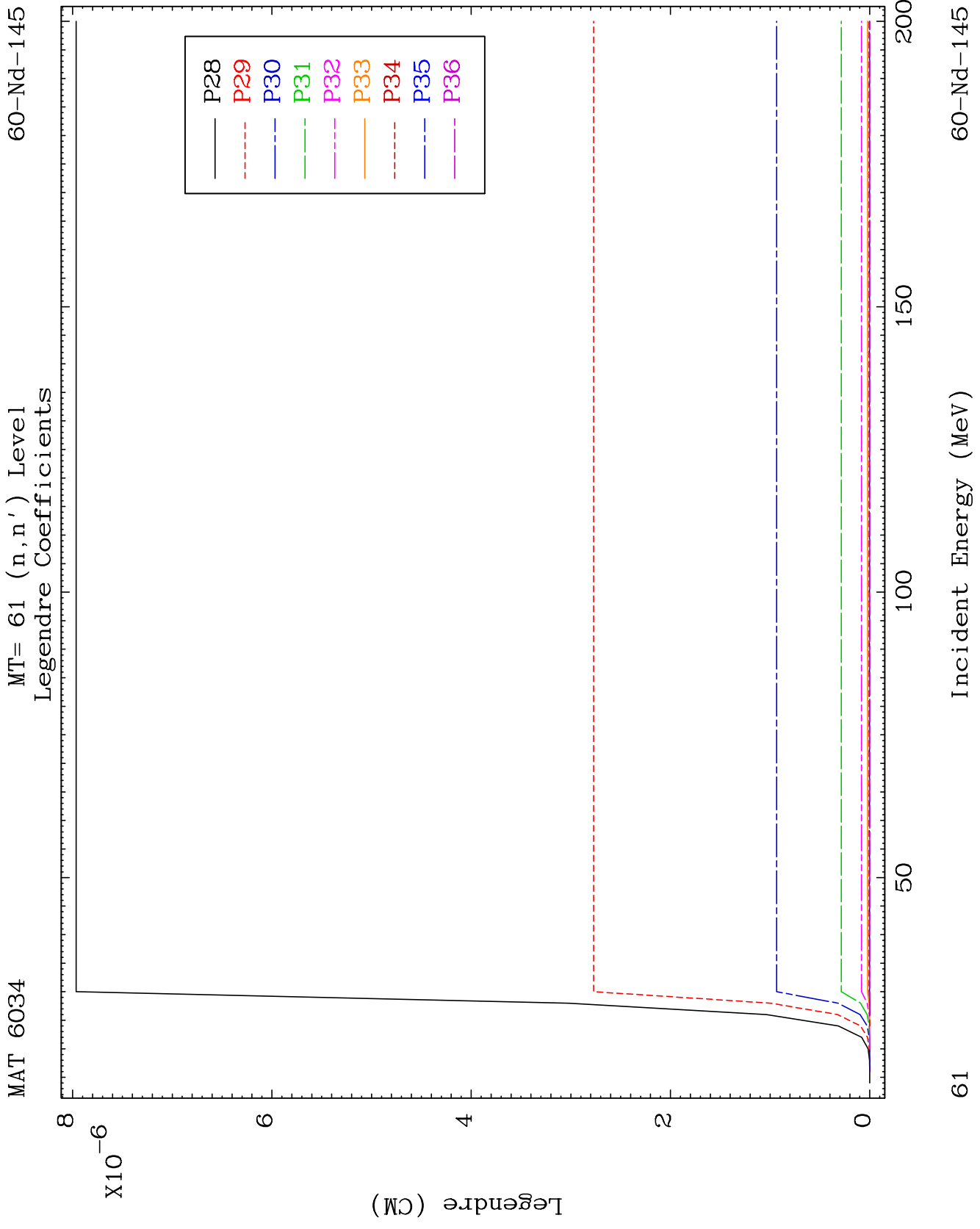
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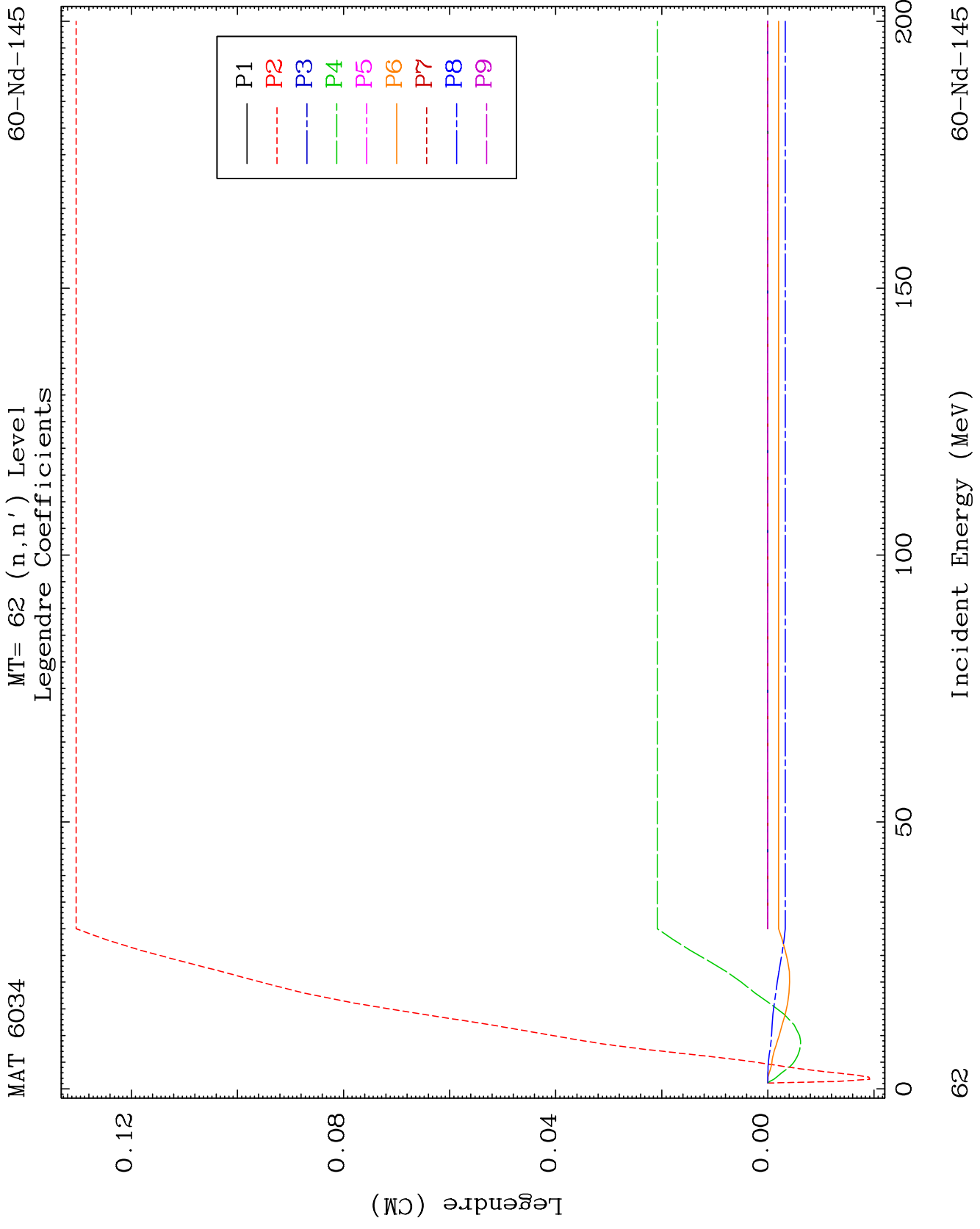


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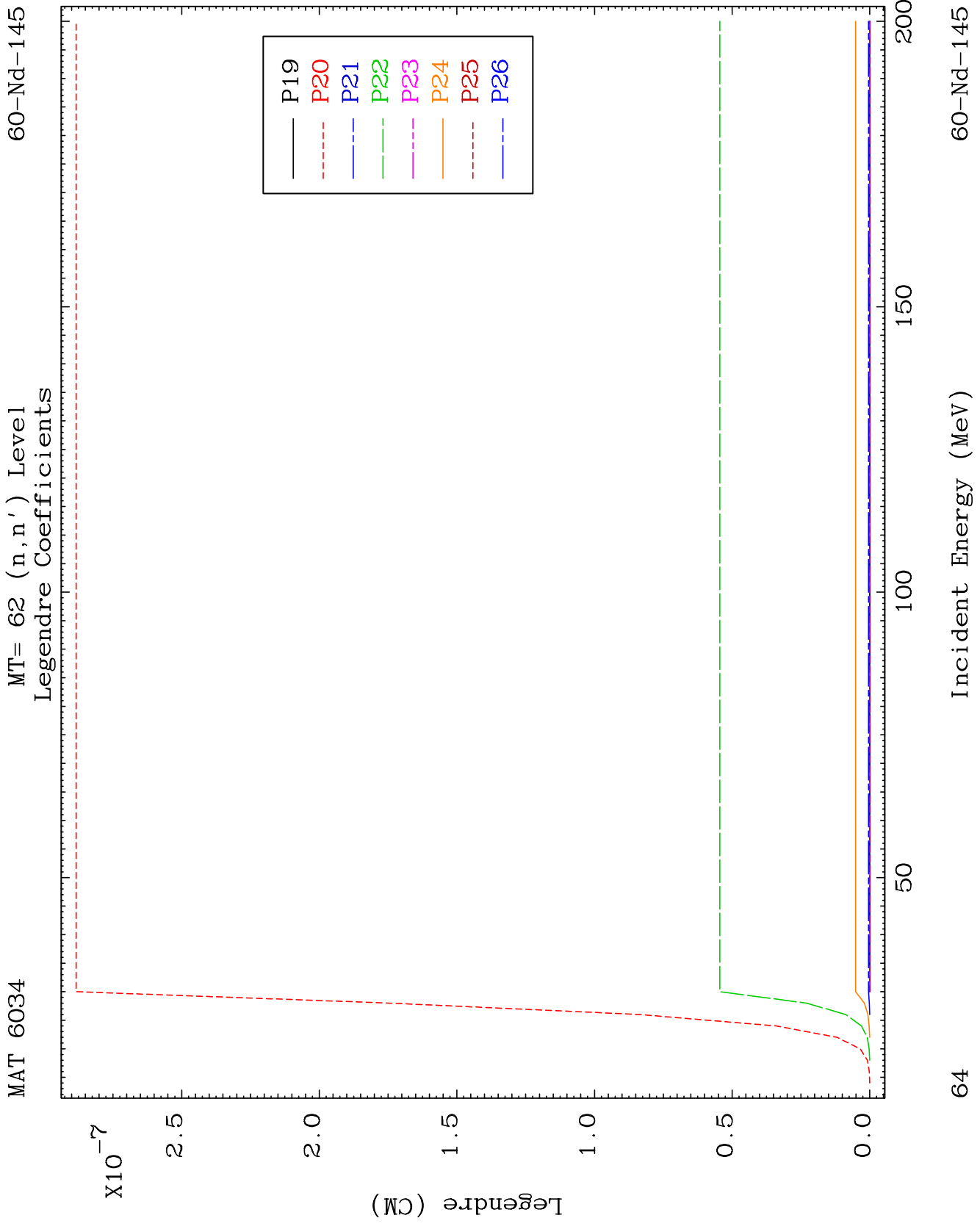
Incident Energy (MeV)

60







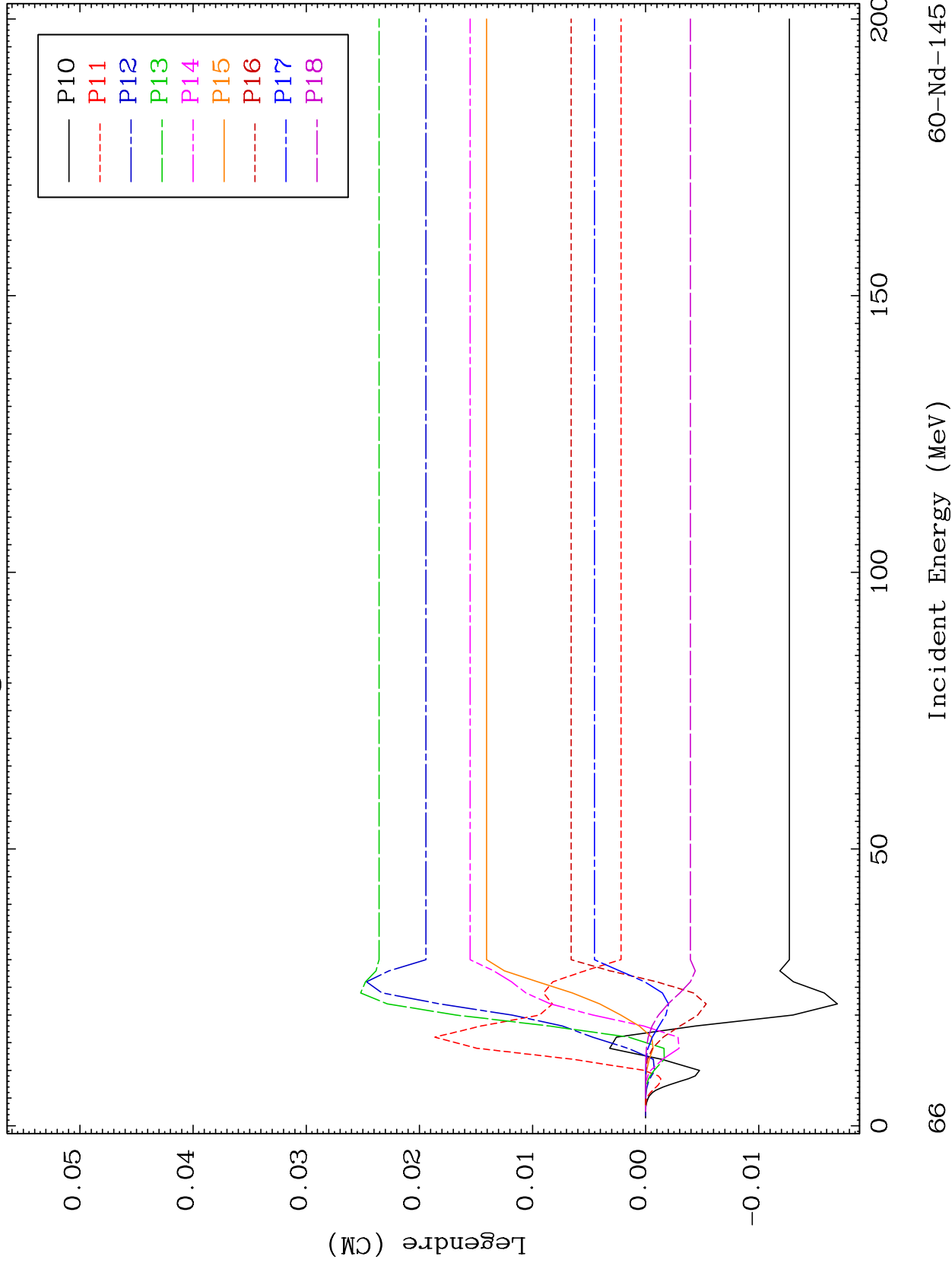




MAT 6034

MT= 63 (n,n') Level  
Legendre Coefficients

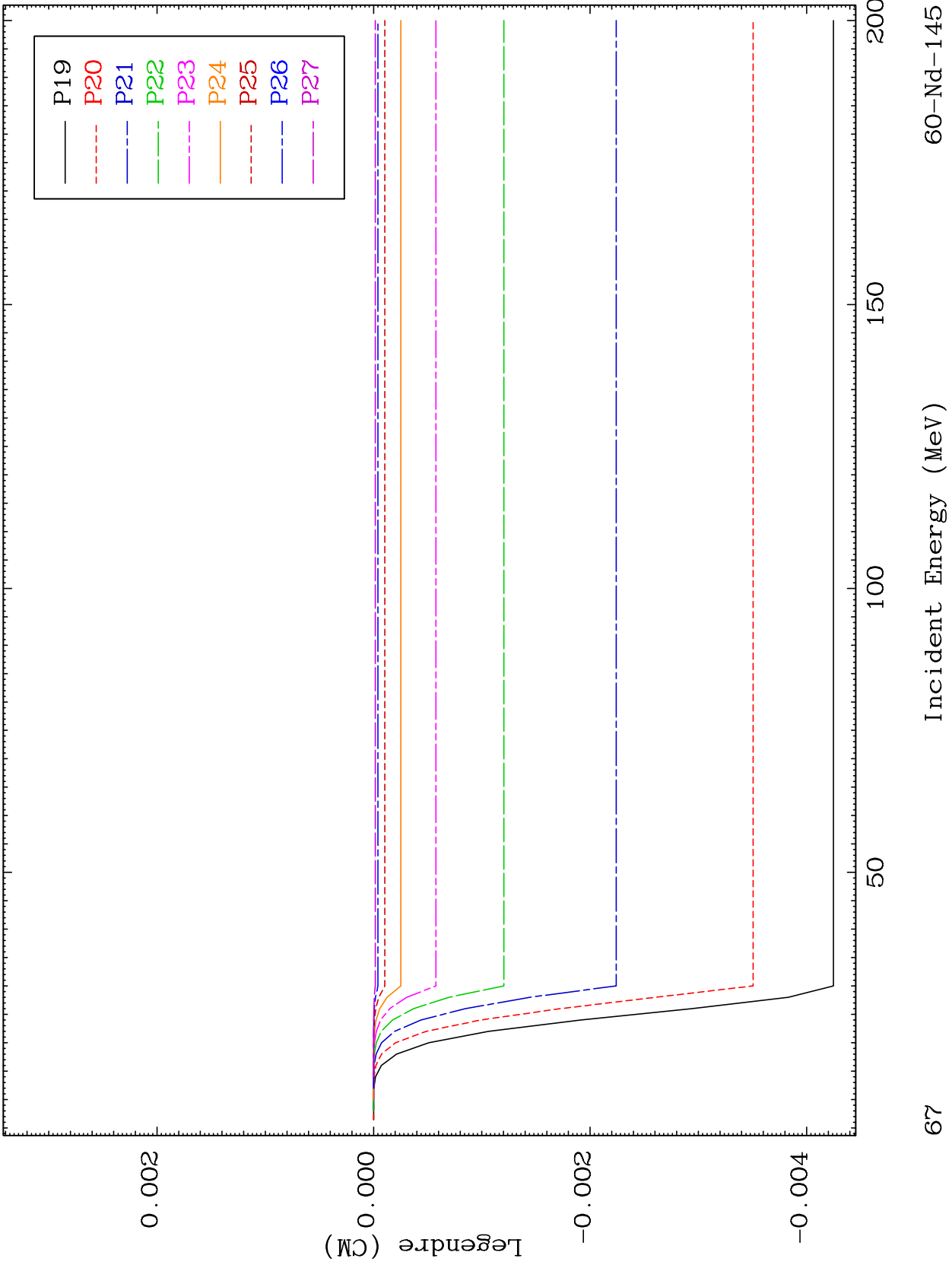
60-Nd-145



MAT 6034

MT= 63 (n,n') Level  
Legendre Coefficients

60-Nd-145

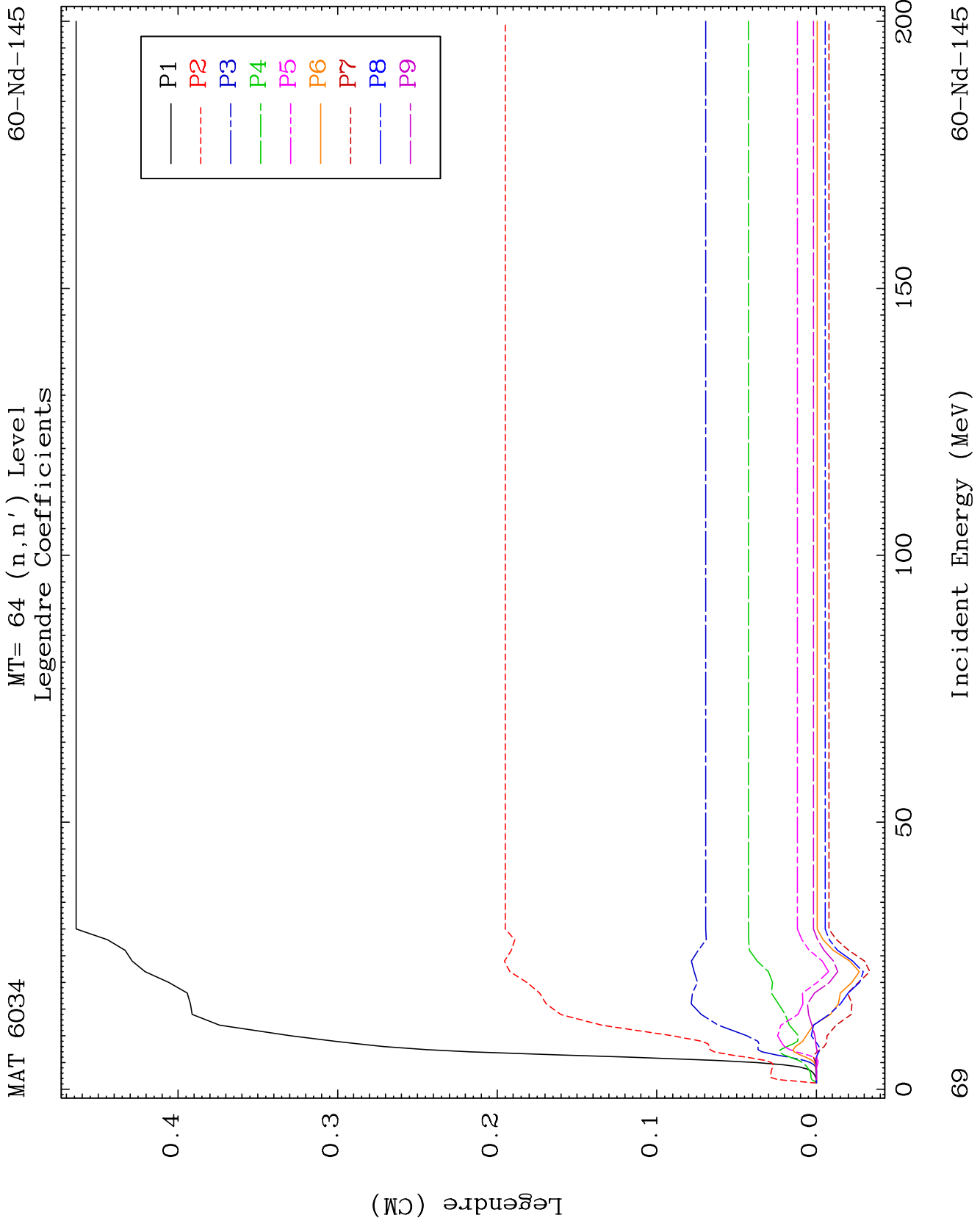


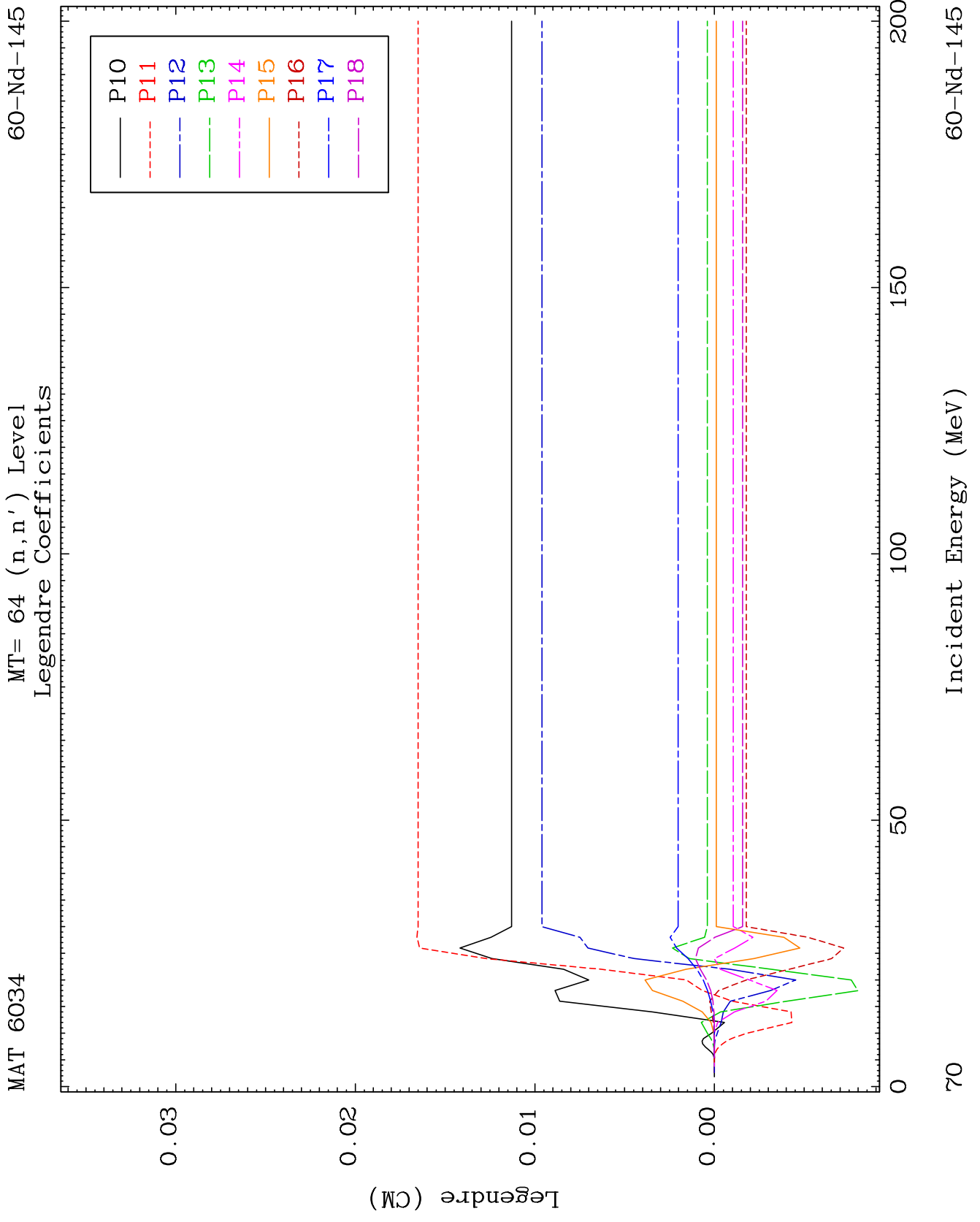
67

Incident Energy (MeV)

60-Nd-145



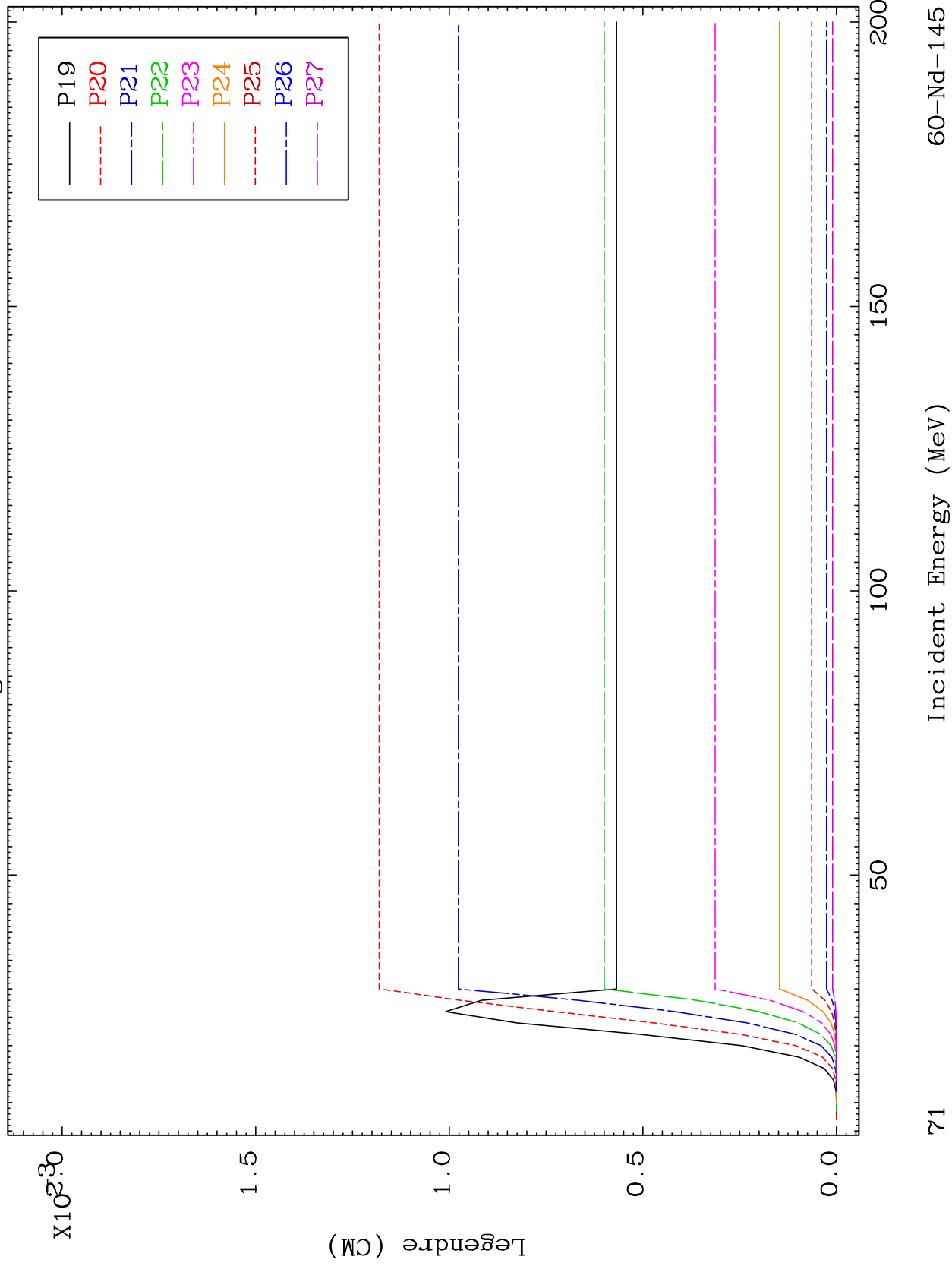




MAT 6034

MT= 64 (n,n') Level  
Legendre Coefficients

60-Nd-145



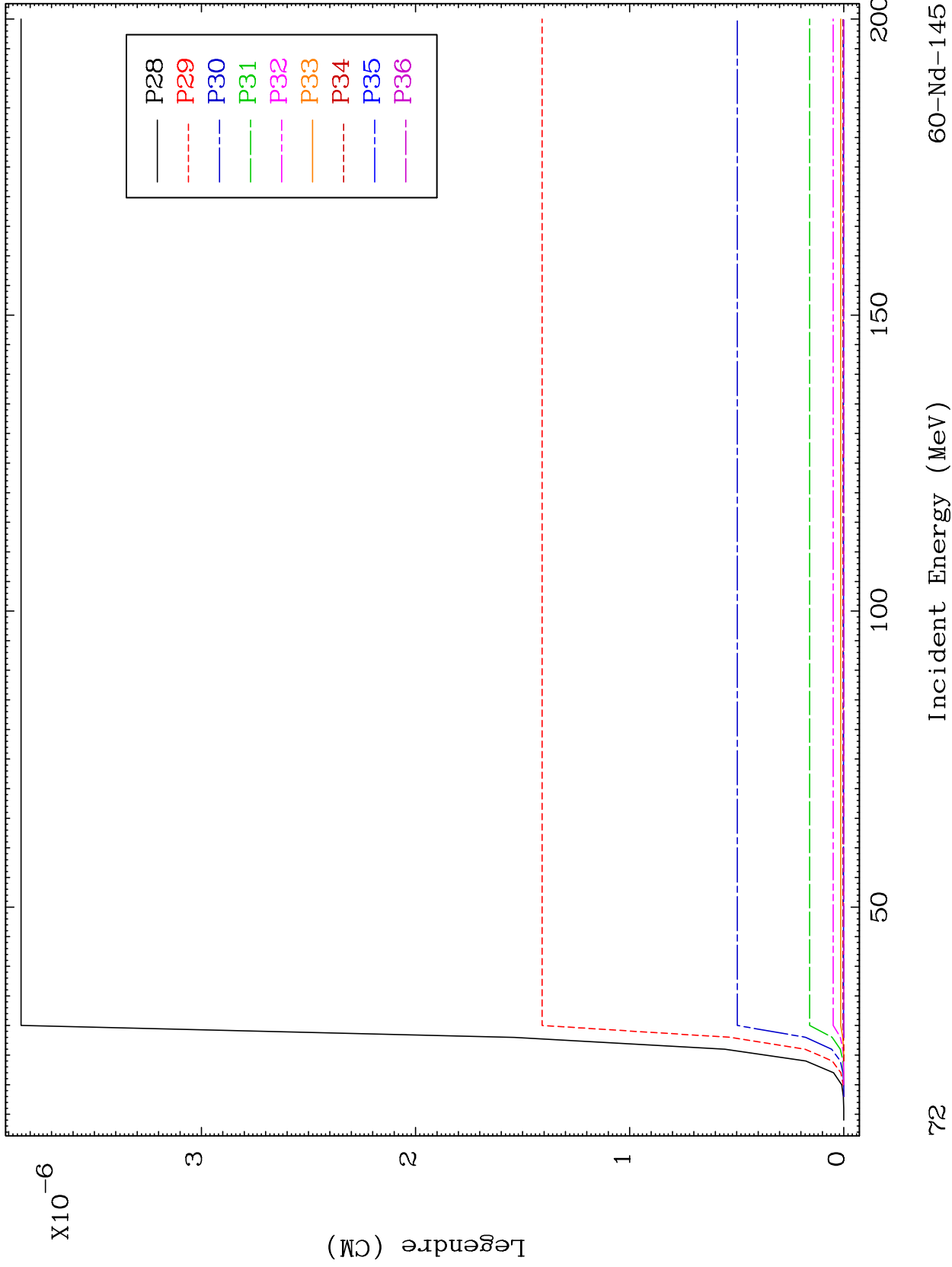
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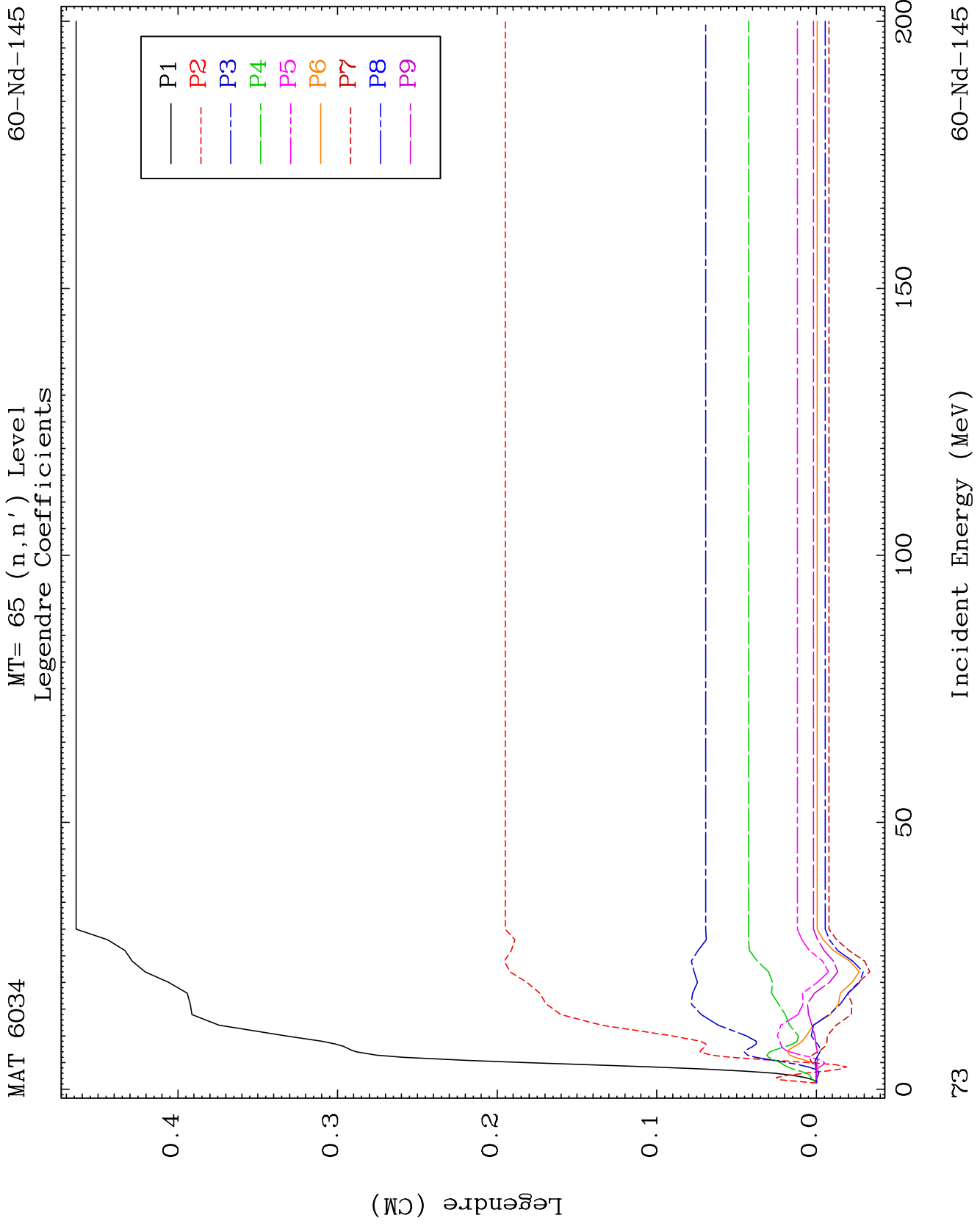
60-Nd-145

MAT 6034

MT= 64 (n,n') Level  
Legendre Coefficients

60-Nd-145



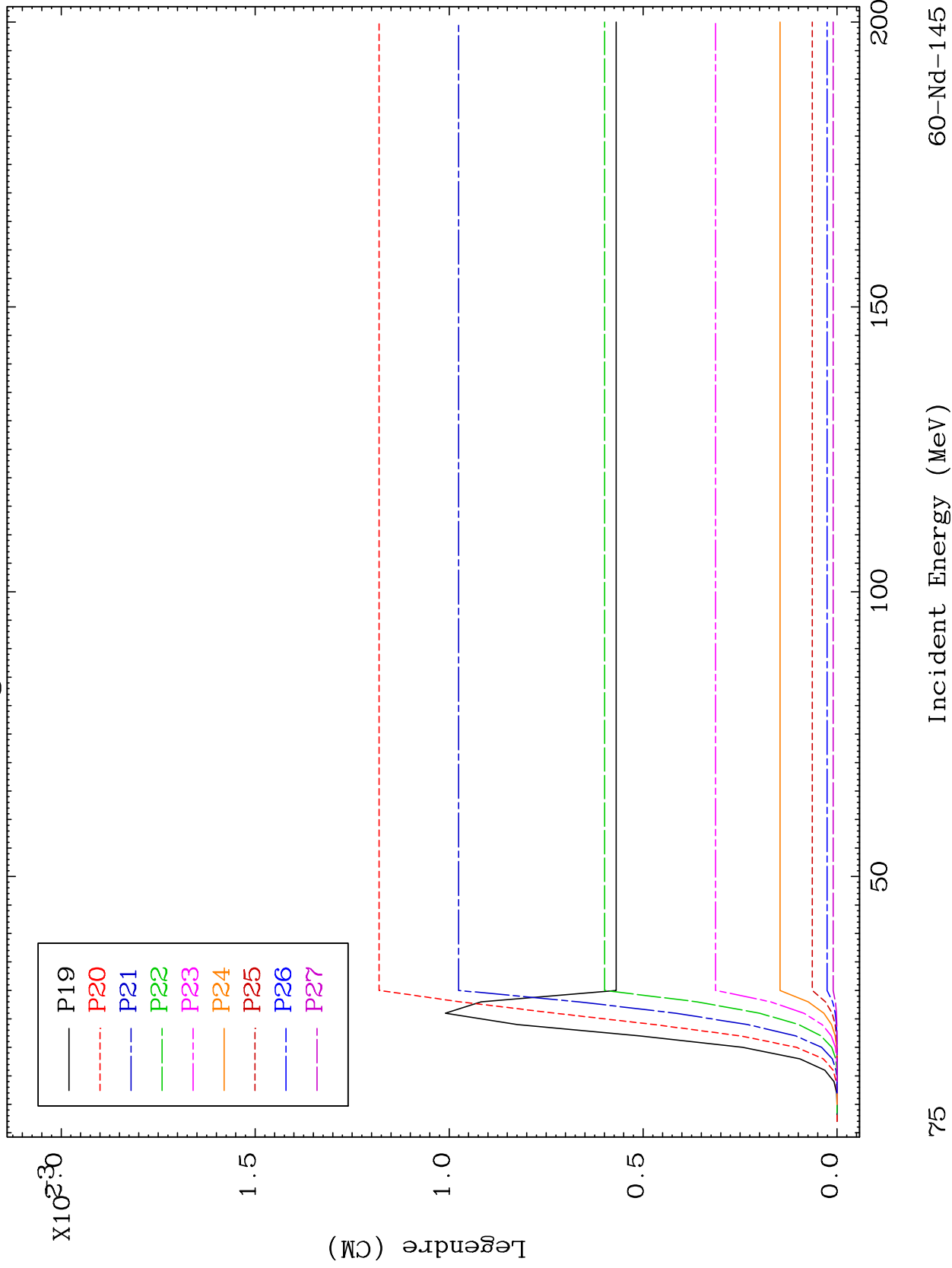




MAT 6034

MT= 65 (n,n') Level  
Legendre Coefficients

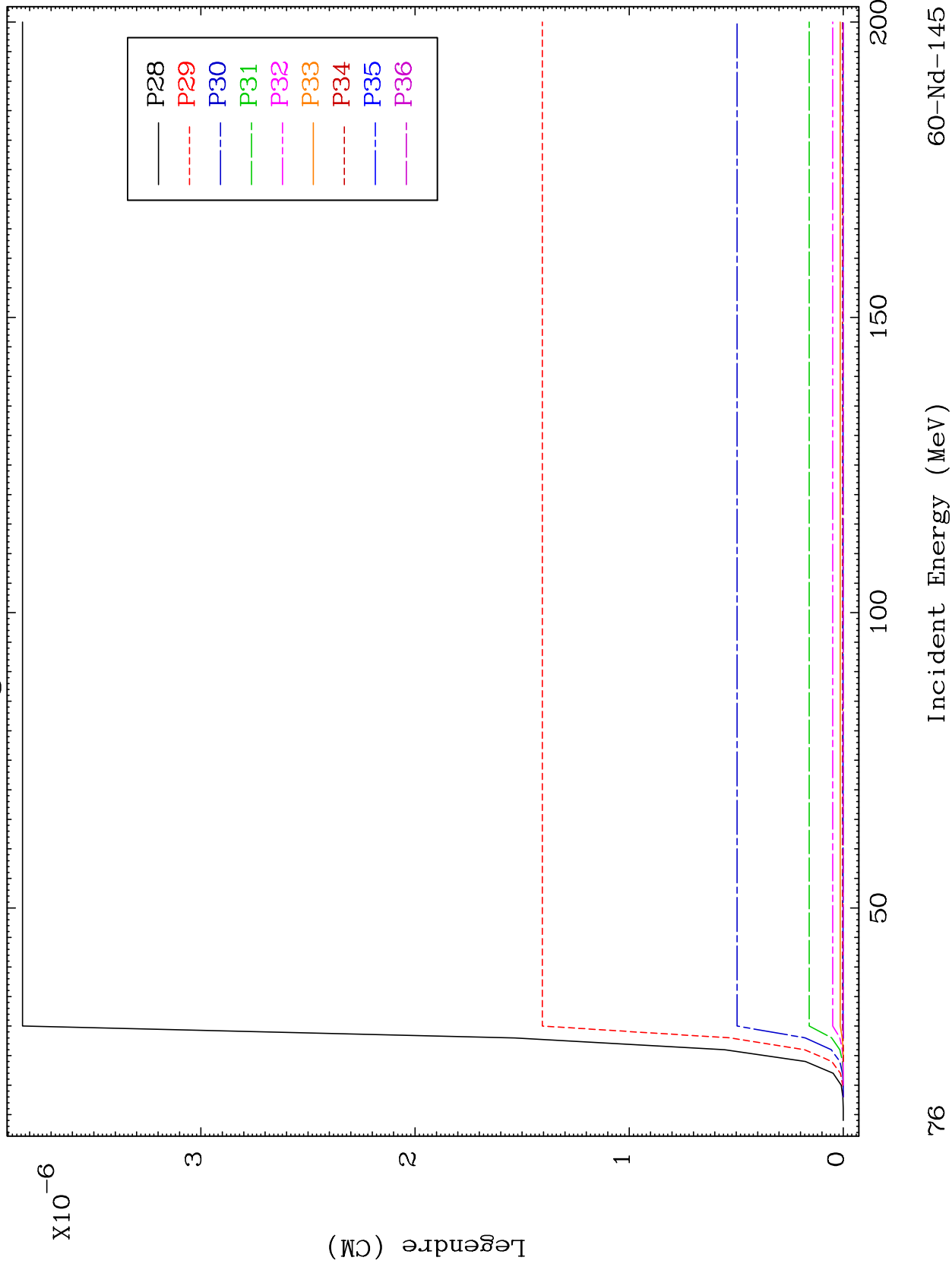
60-Nd-145



MAT 6034

MT= 65 (n,n') Level  
Legendre Coefficients

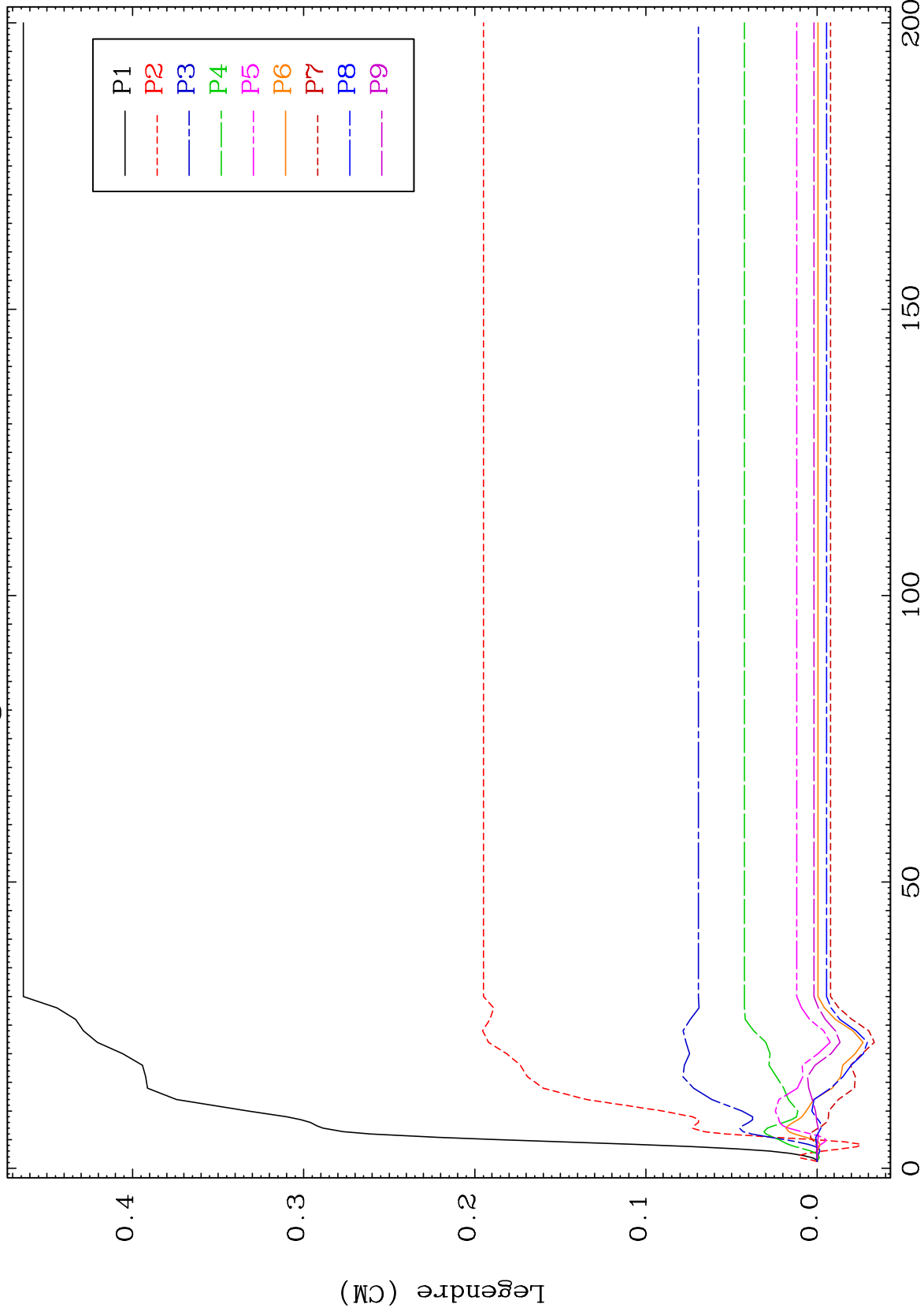
60-Nd-145



MAT 6034

MT= 66 (n,n') Level  
Legendre Coefficients

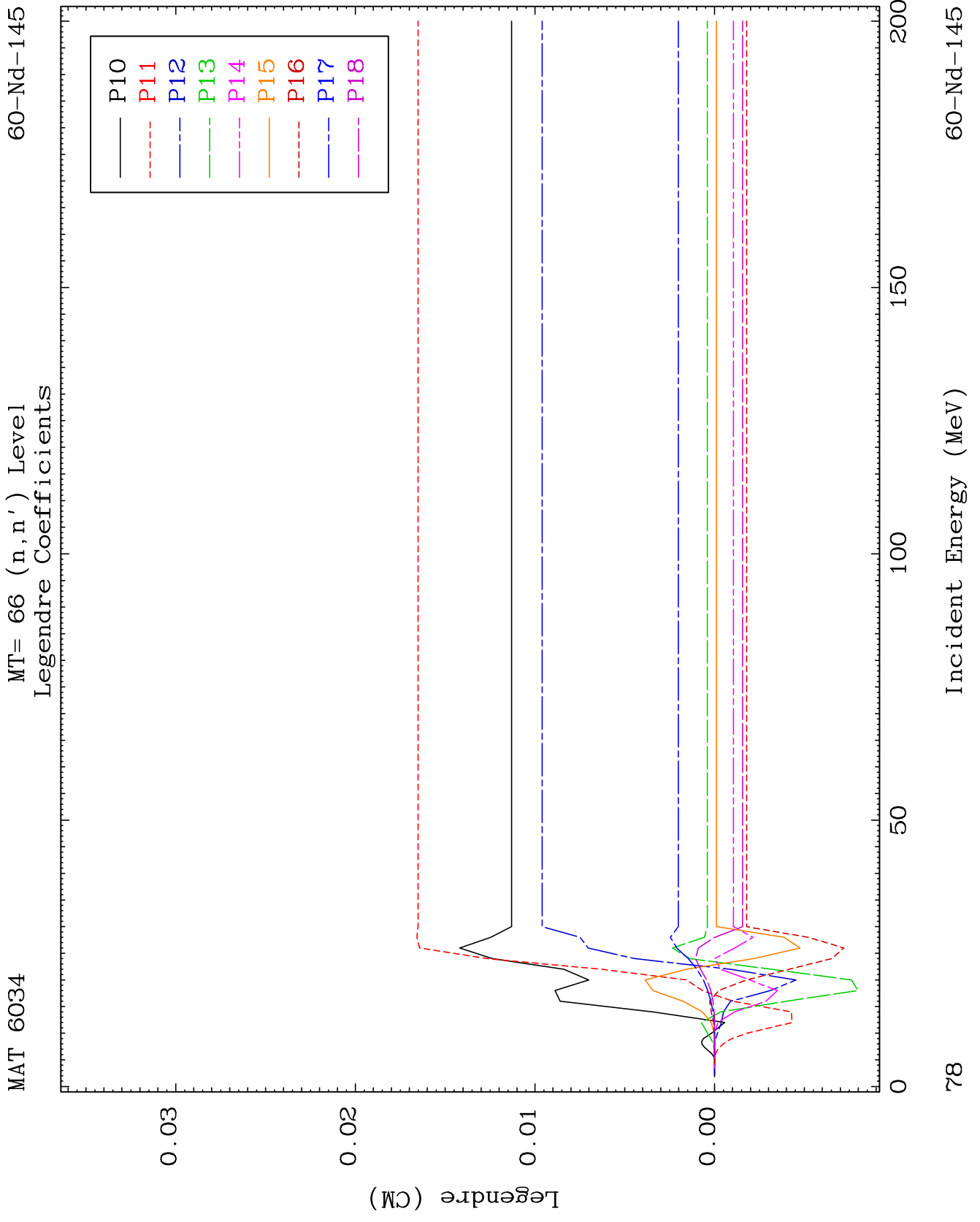
60-Nd-145



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Incident Energy (MeV)

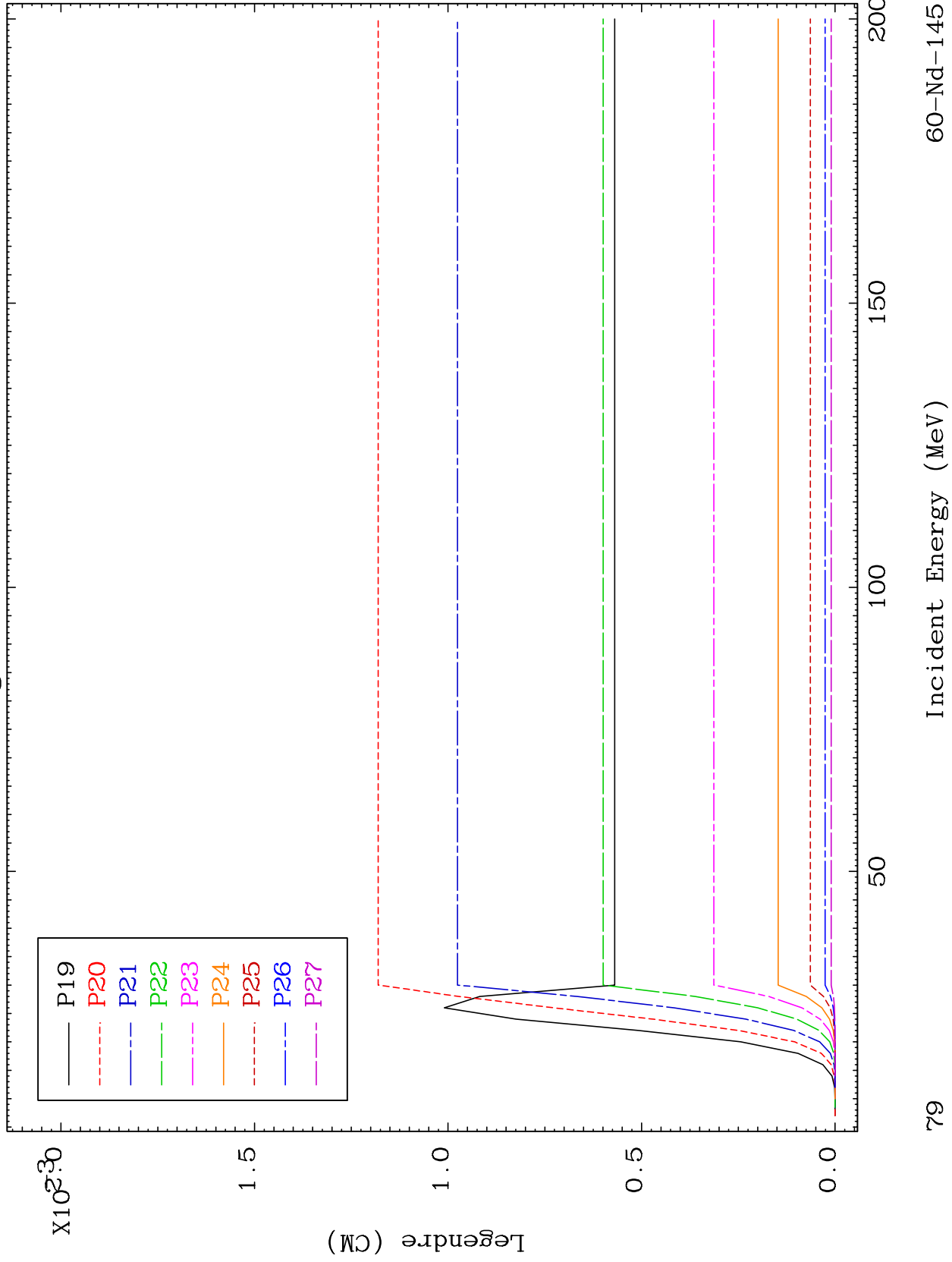
60-Nd-145



MAT 6034

MT= 66 (n,n') Level  
Legendre Coefficients

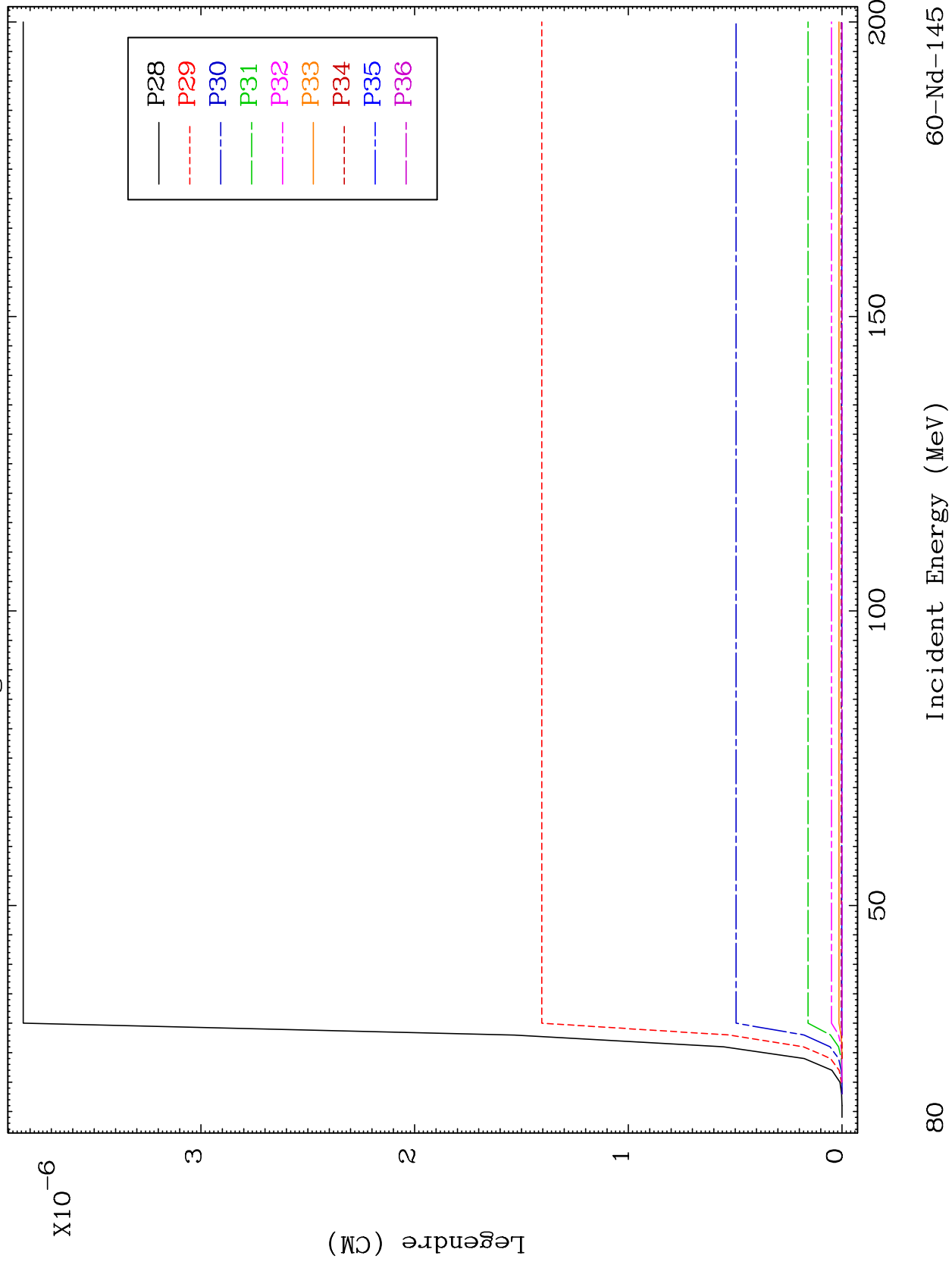
60-Nd-145



MAT 6034

MT= 66 (n,n') Level  
Legendre Coefficients

60-Nd-145

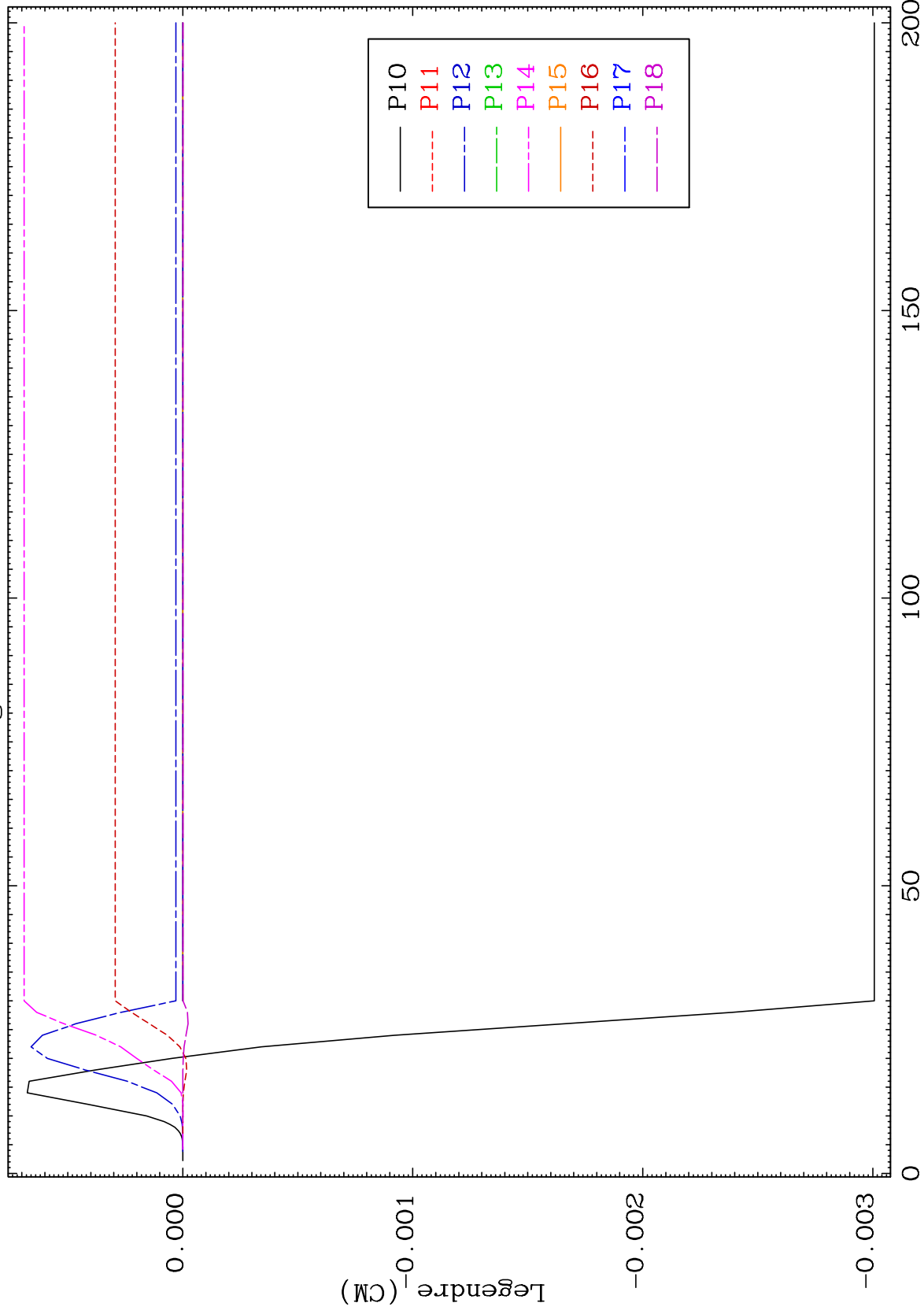




MAT 6034

MT= 67 (n,n') Level  
Legendre Coefficients

60-Nd-145

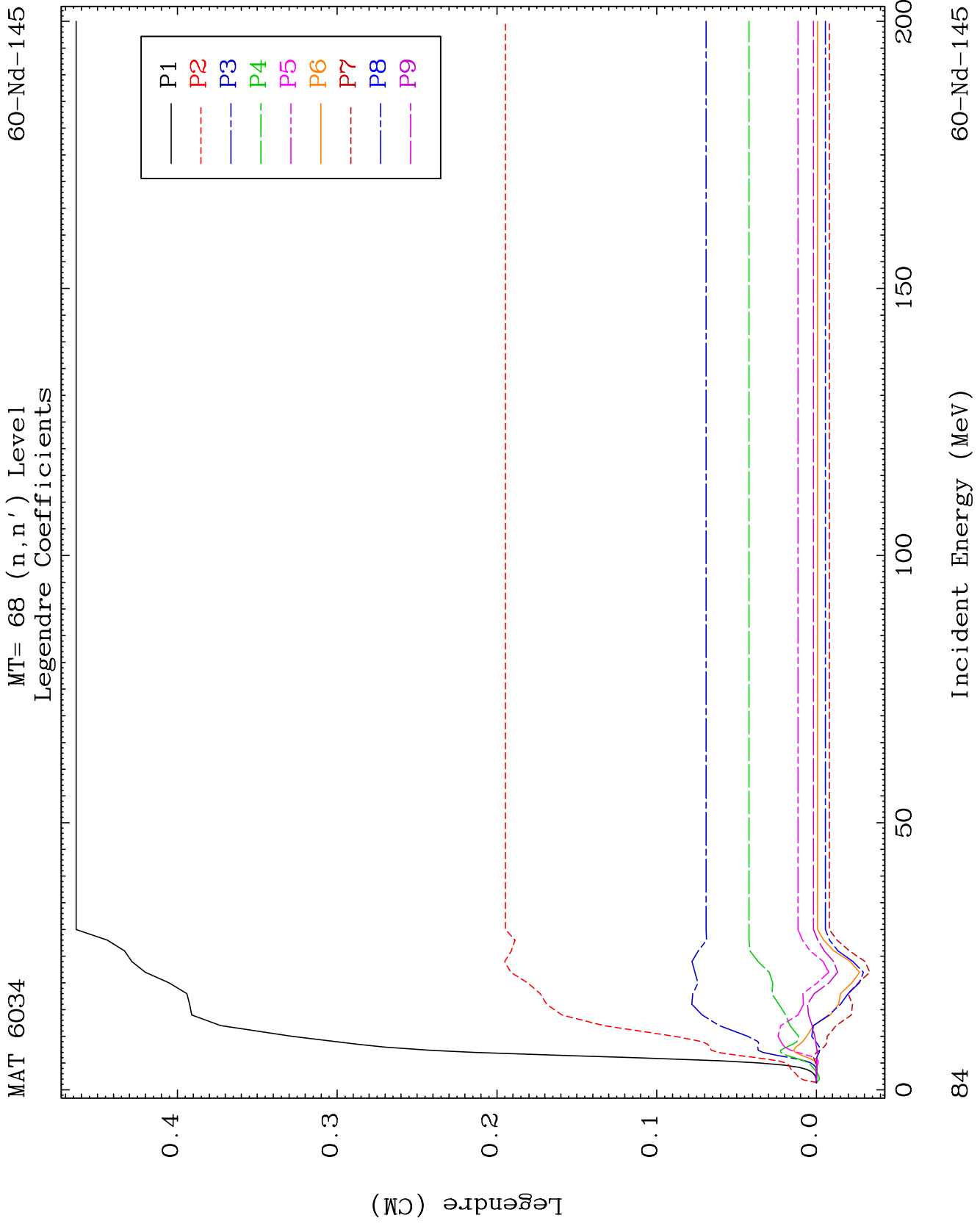


82

Incident Energy (MeV)

60-Nd-145

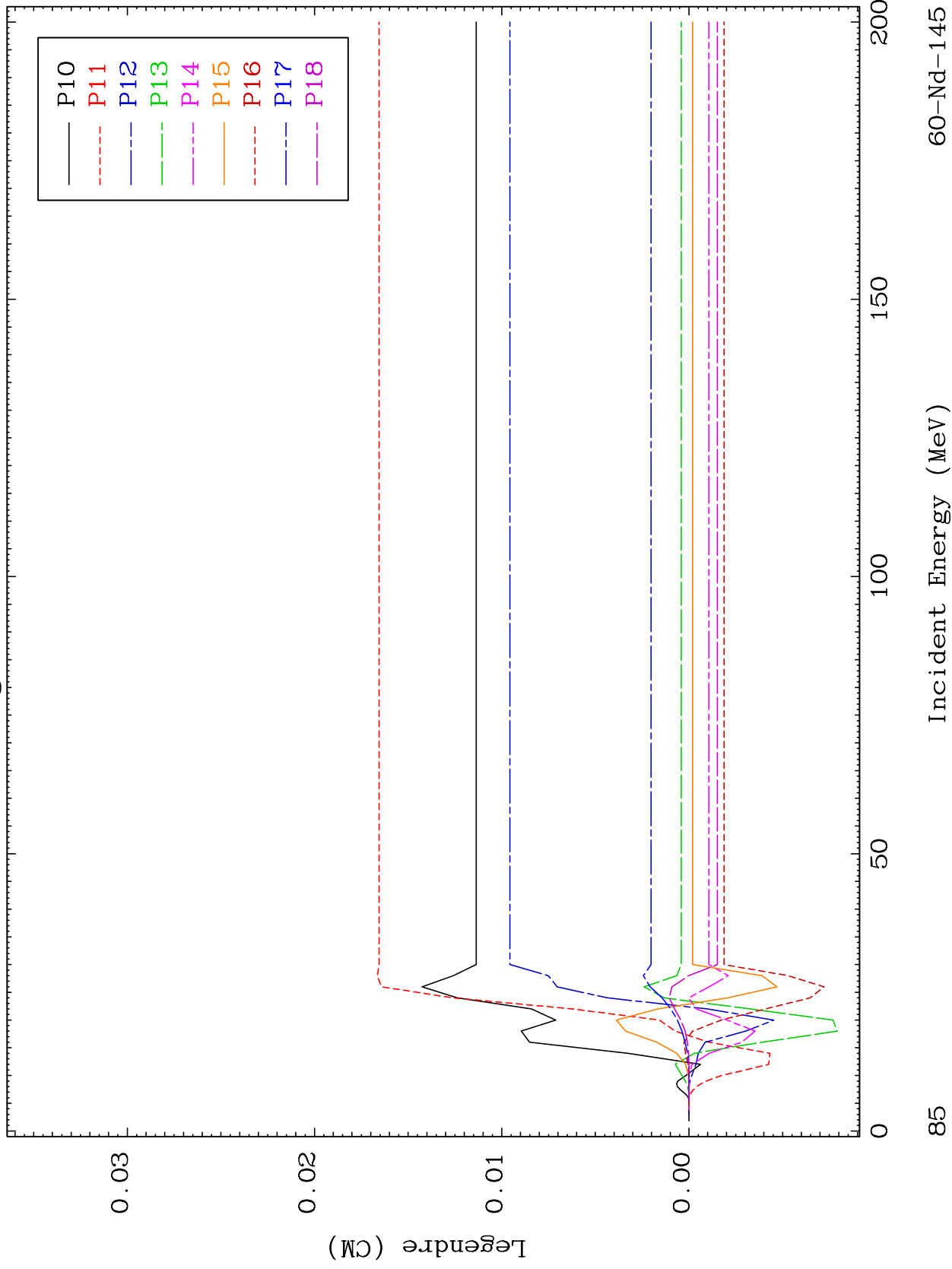




MAT 6034

MT= 68 (n,n') Level  
Legendre Coefficients

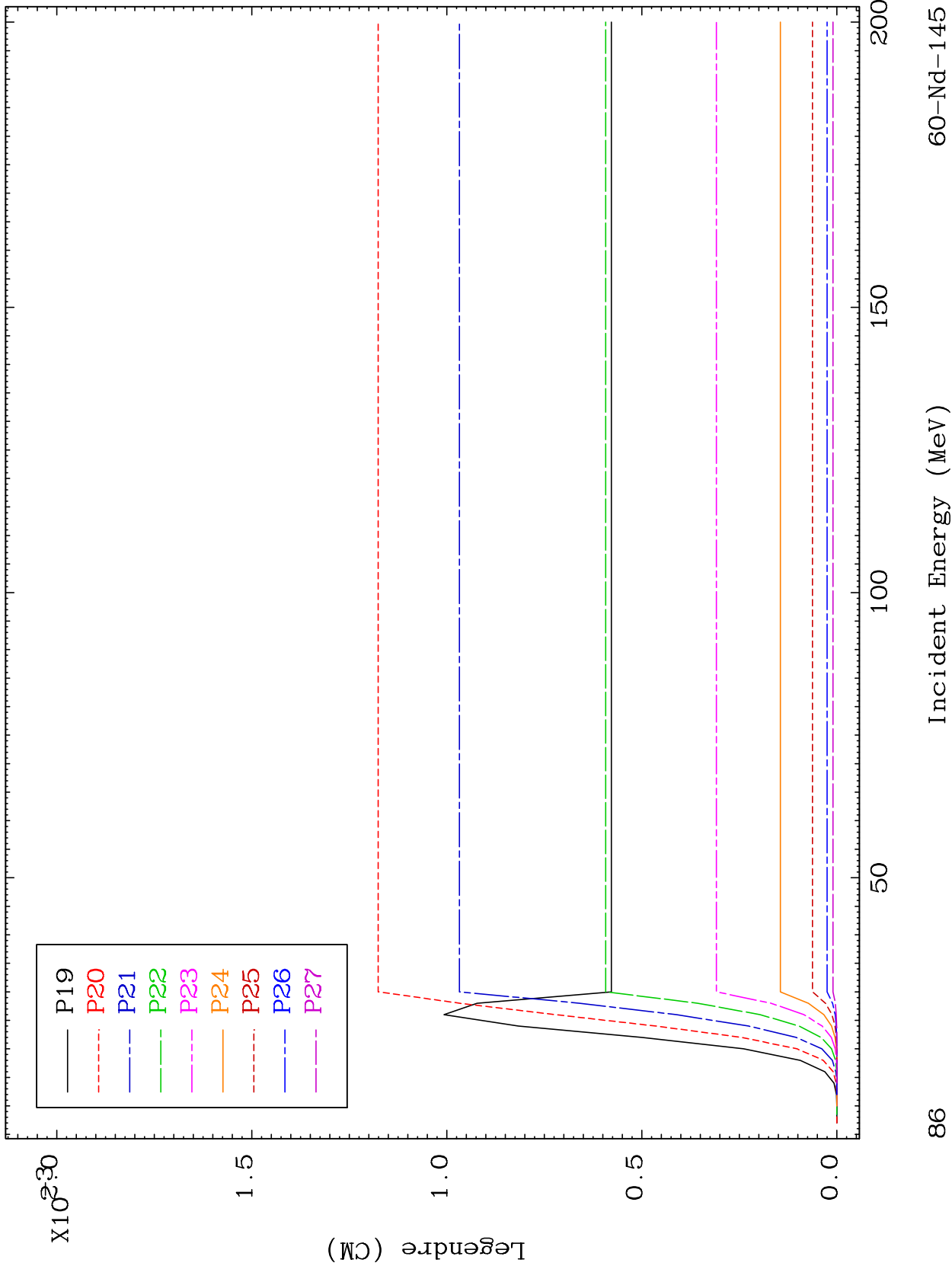
60-Nd-145



60-Nd-145

Incident Energy (MeV)

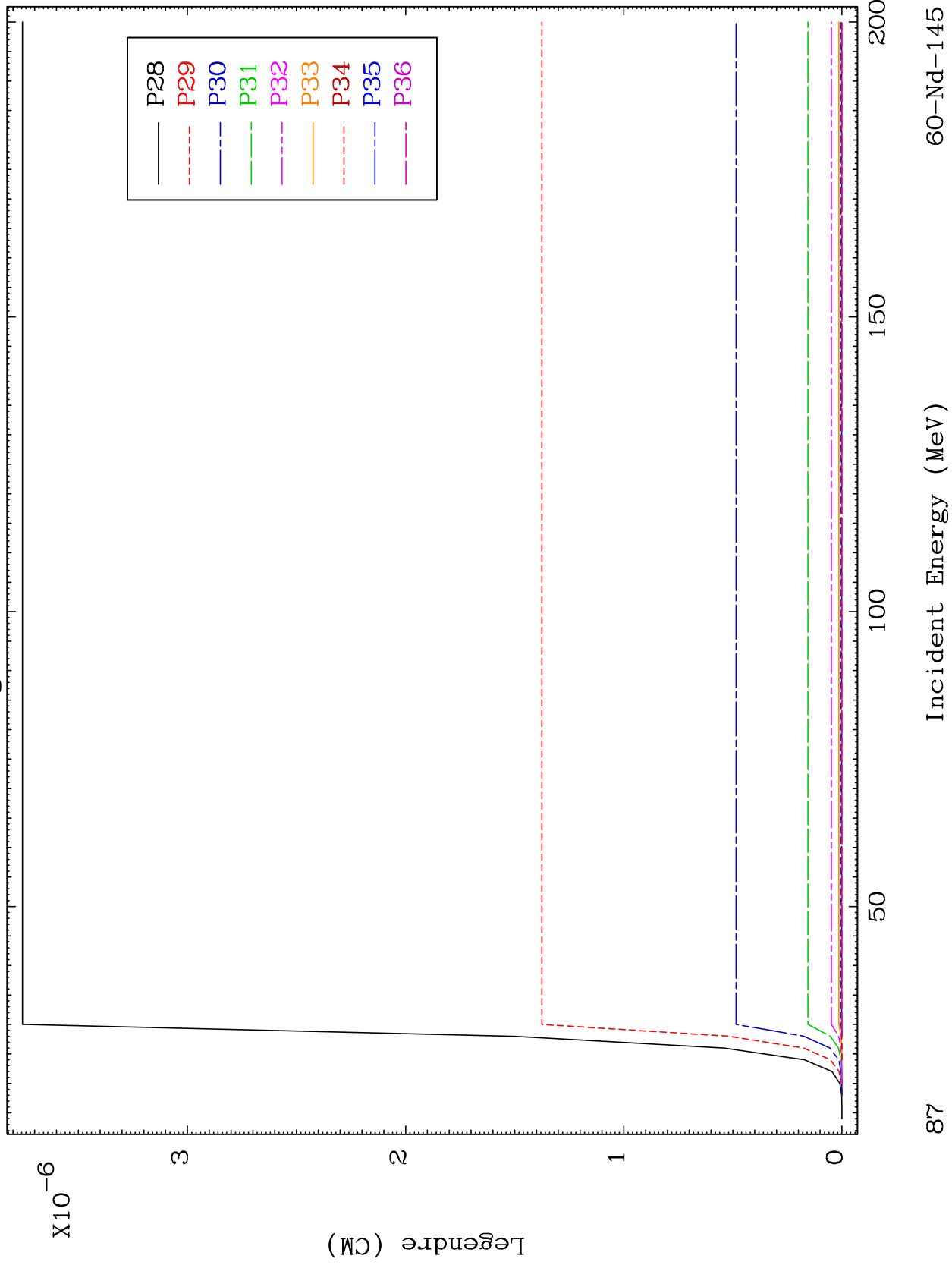
85



MAT 6034

MT= 68 (n,n') Level  
Legendre Coefficients

60-Nd-145

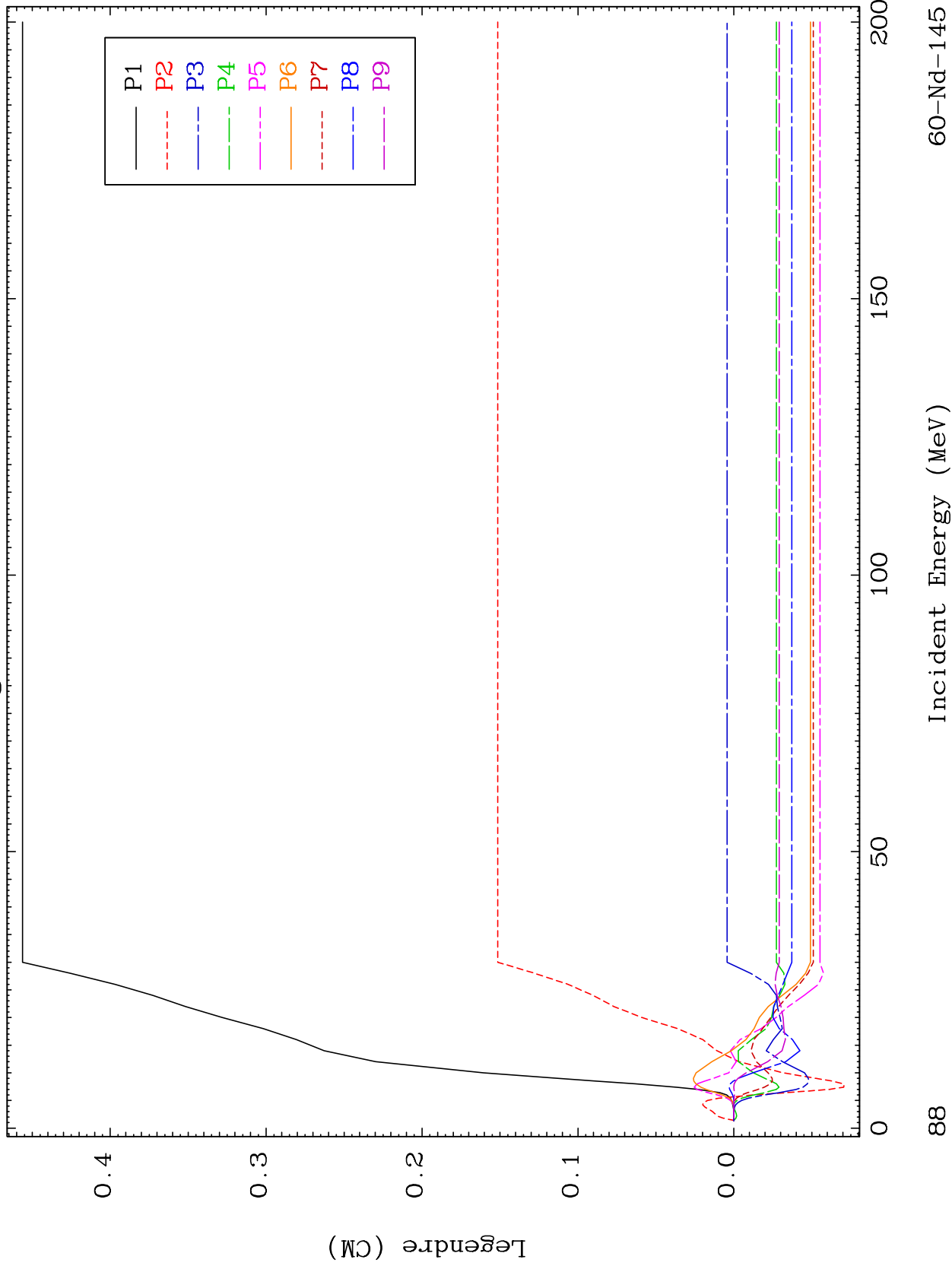


87

MAT 6034

MT= 69 (n,n') Level  
Legendre Coefficients

60-Nd-145



88

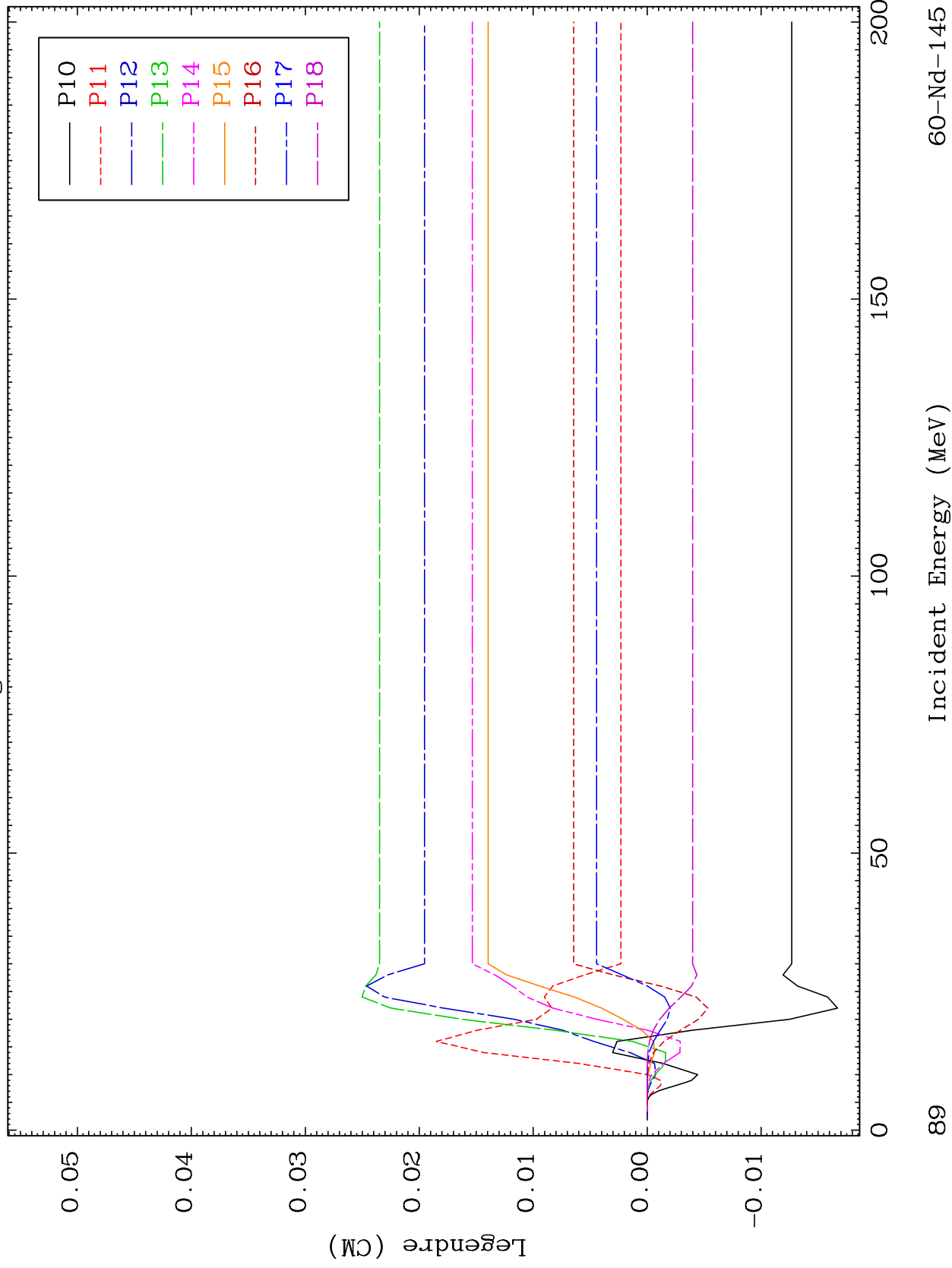
Incident Energy (MeV)

60-Nd-145

MAT 6034

MT= 69 (n,n') Level  
Legendre Coefficients

60-Nd-145



60-Nd-145

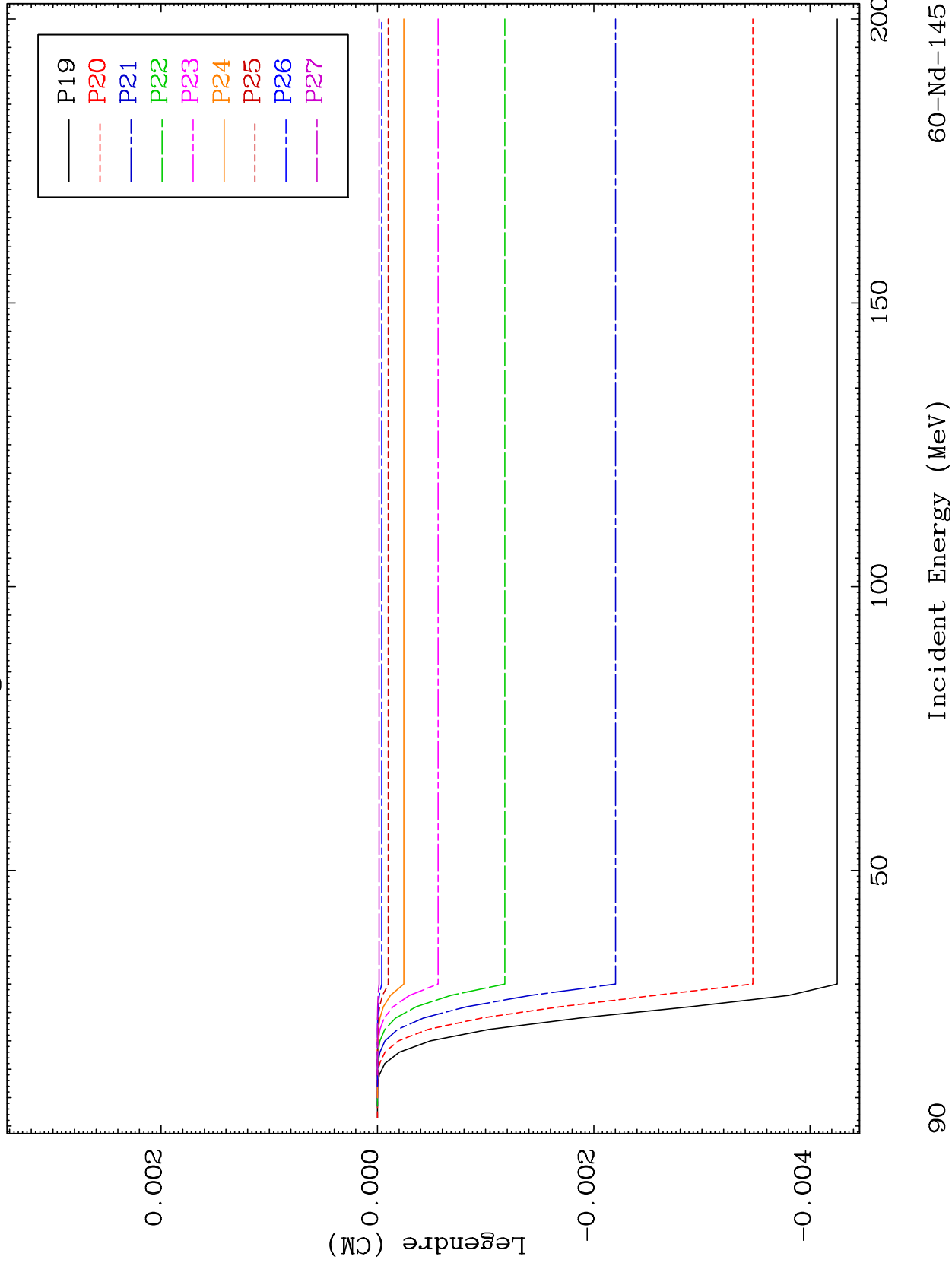
Incident Energy (MeV)

89

MAT 6034

MT= 69 (n,n') Level  
Legendre Coefficients

60-Nd-145

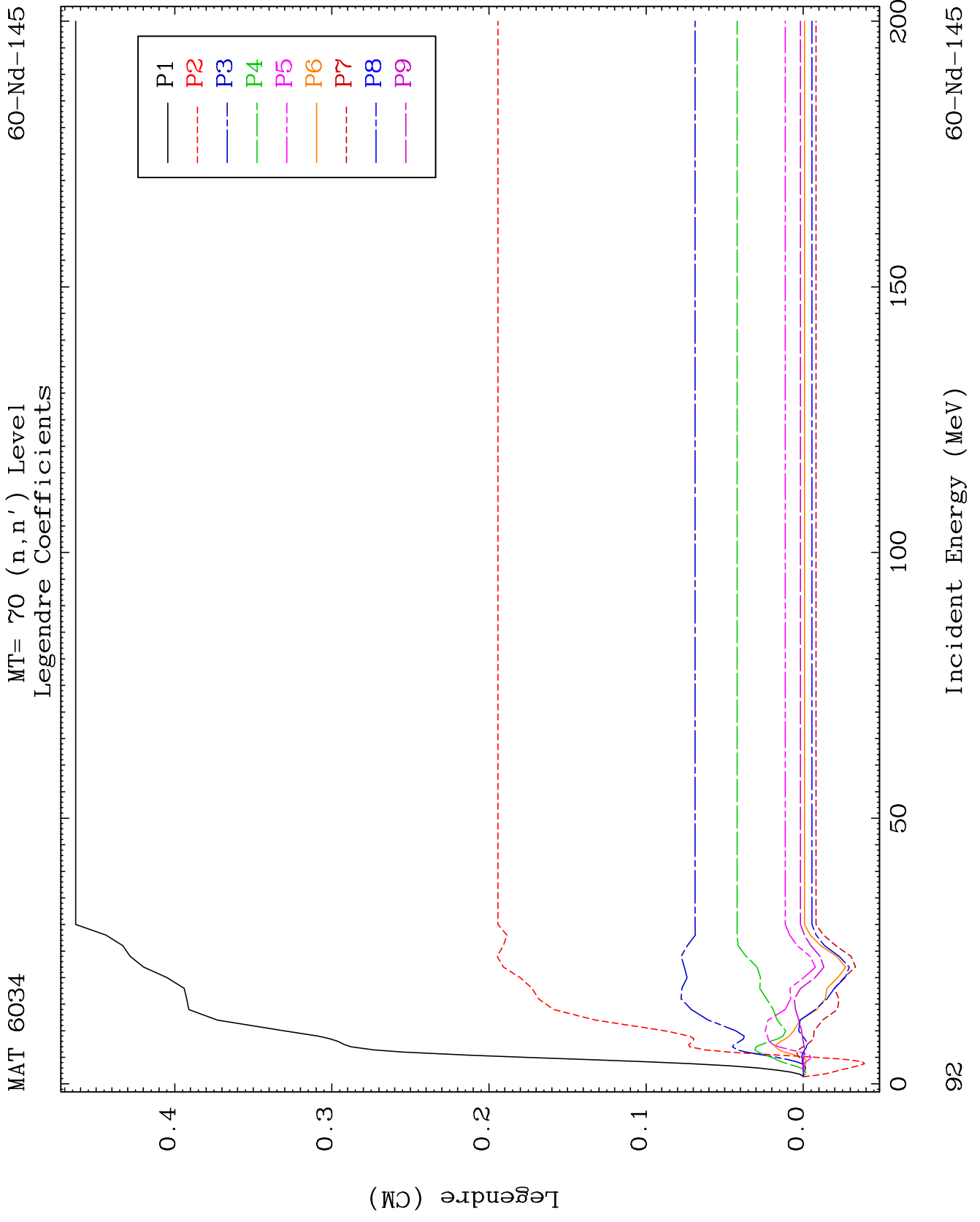


90

Incident Energy (MeV)

60-Nd-145

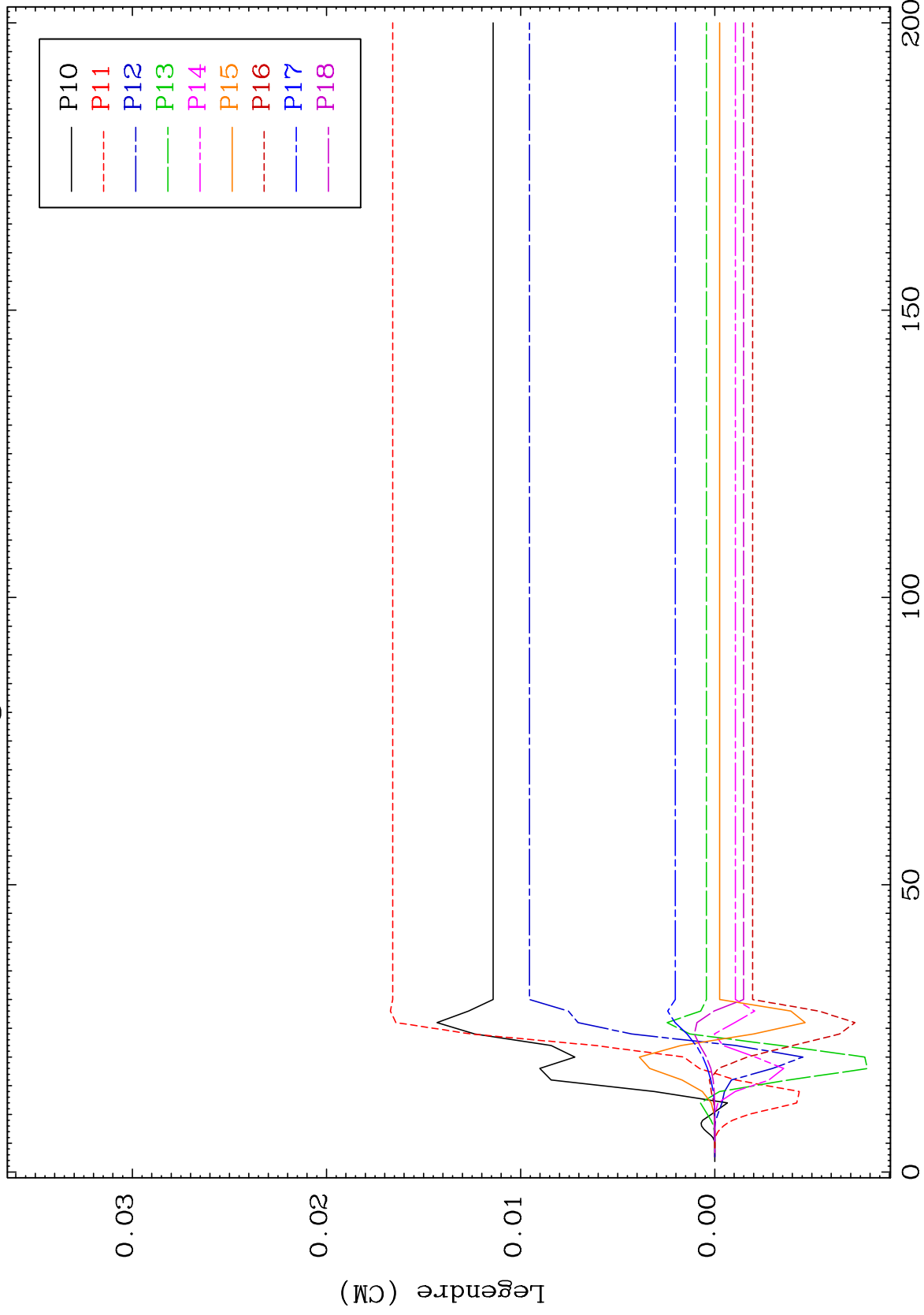




MAT 6034

MT= 70 (n,n') Level  
Legendre Coefficients

60-Nd-145



93

Incident Energy (MeV)

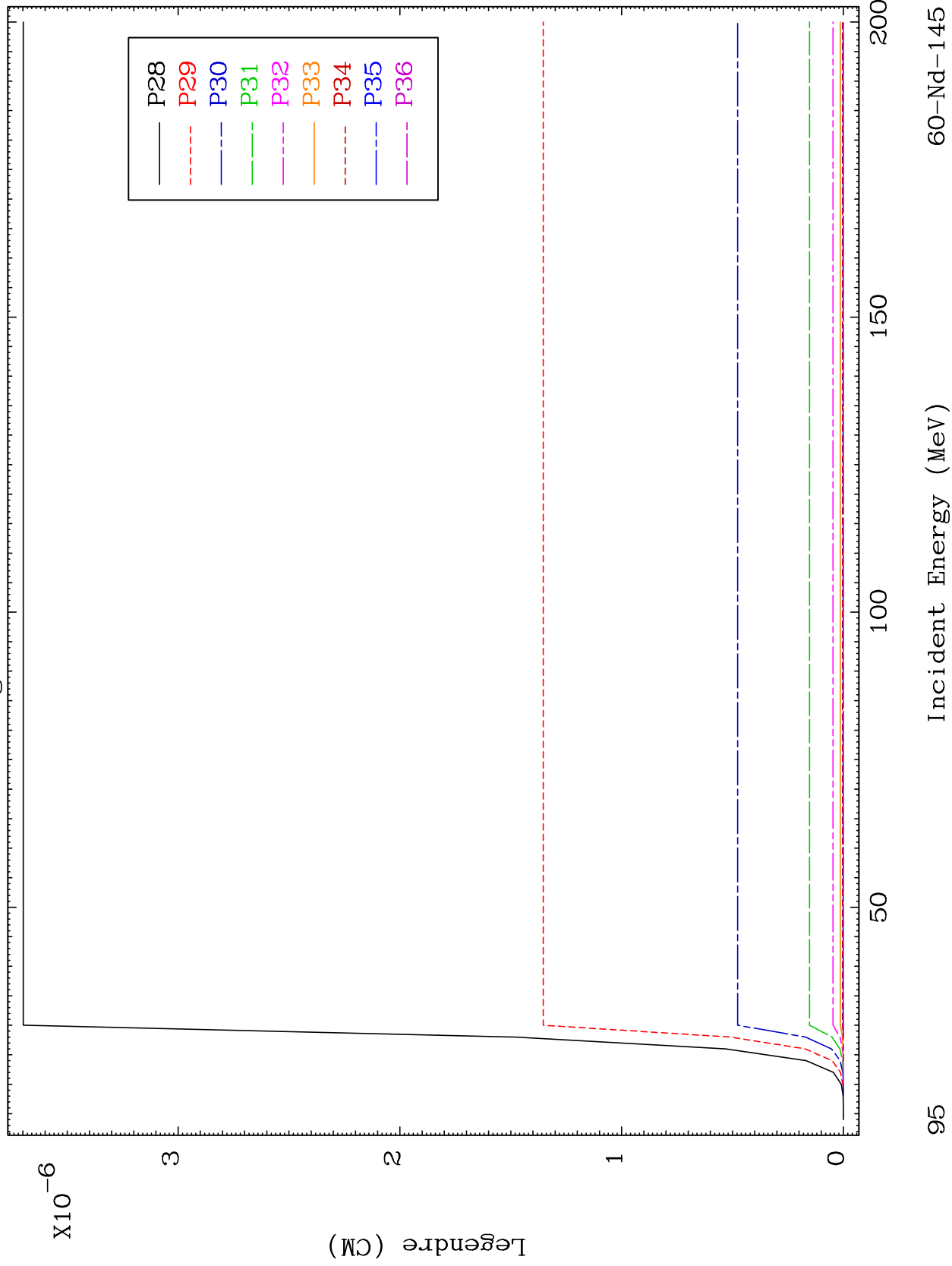
60-Nd-145

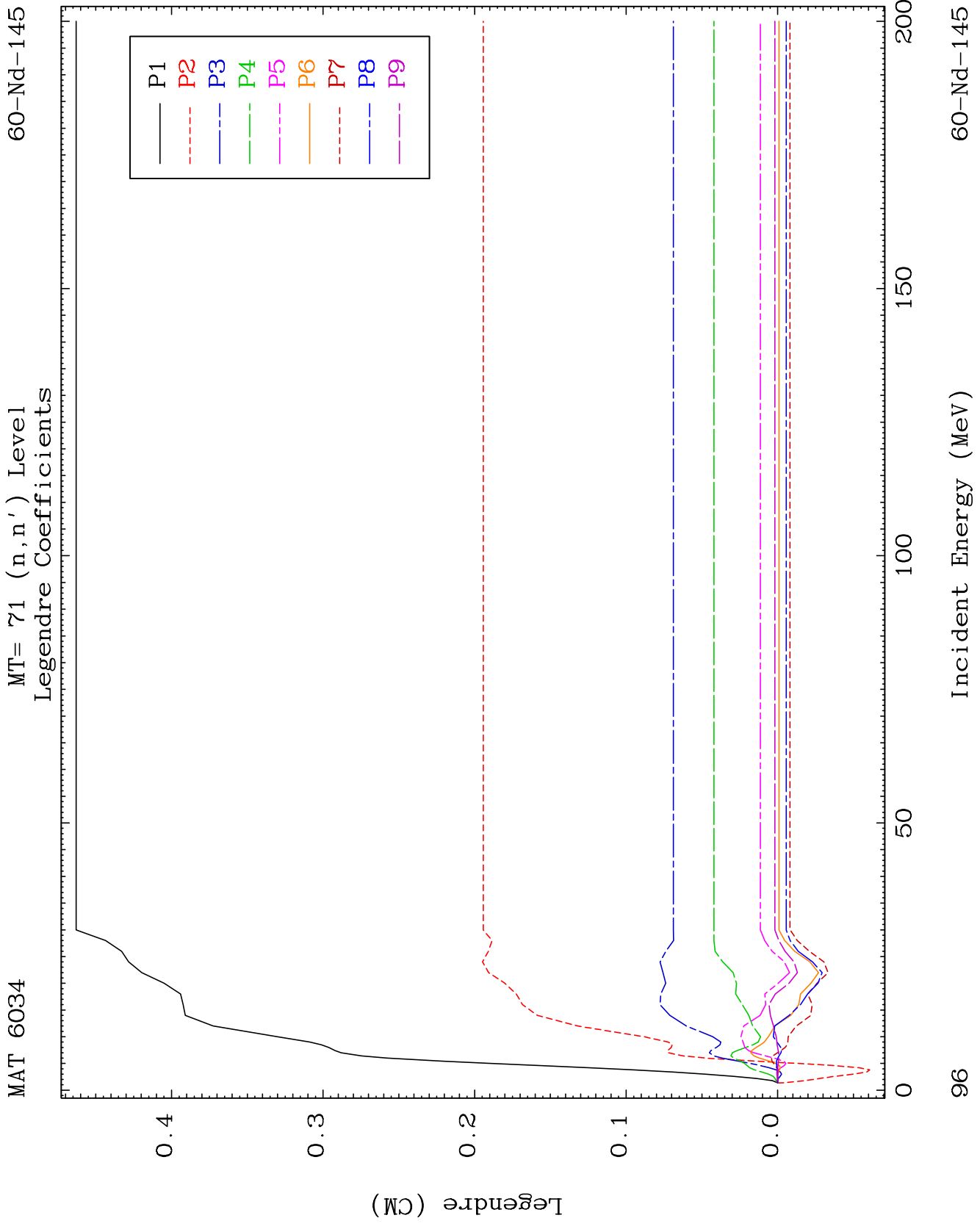


MAT 6034

MT= 70 (n,n') Level  
Legendre Coefficients

60-Nd-145

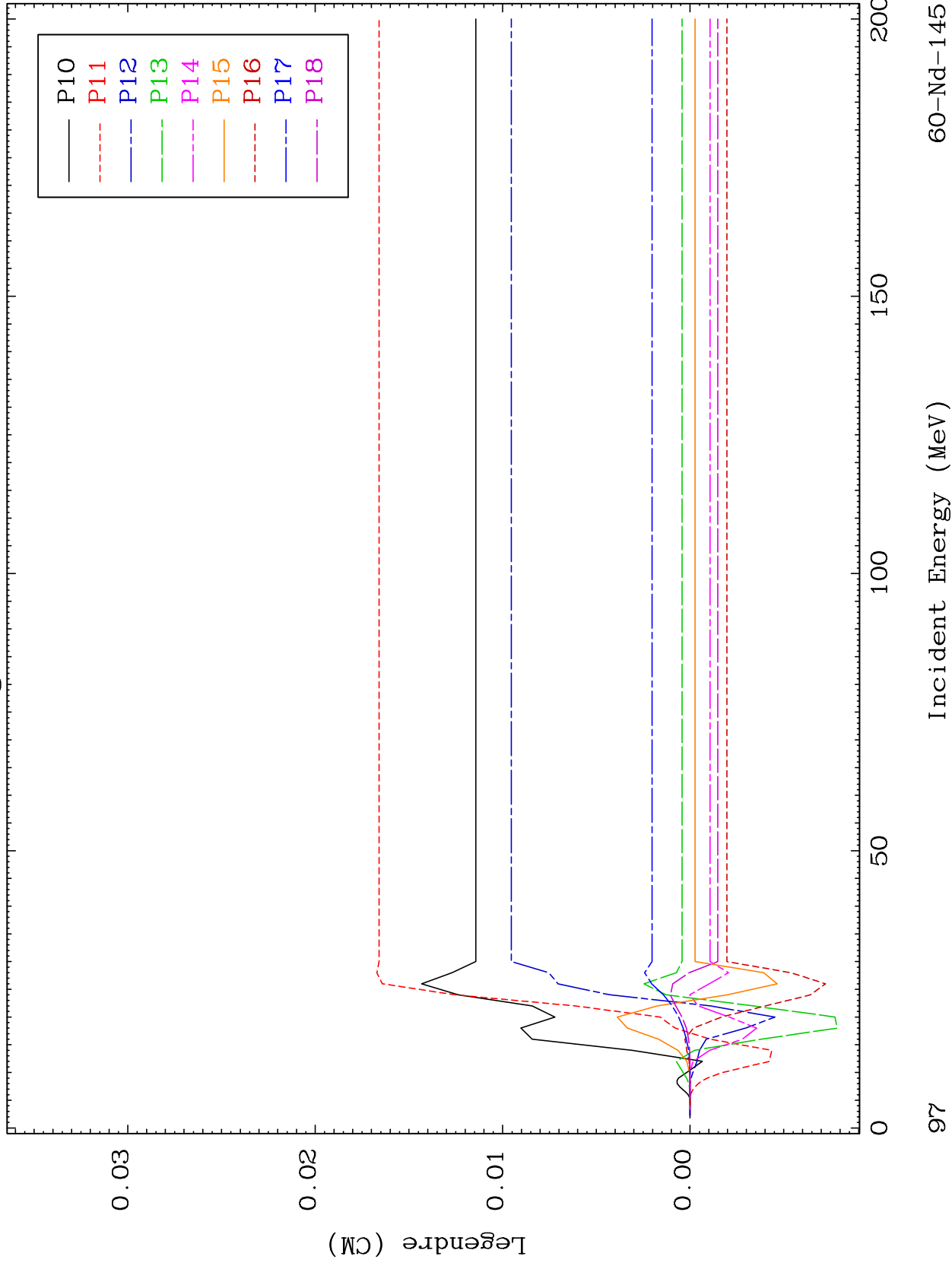




MAT 6034

MT= 71 (n,n') Level  
Legendre Coefficients

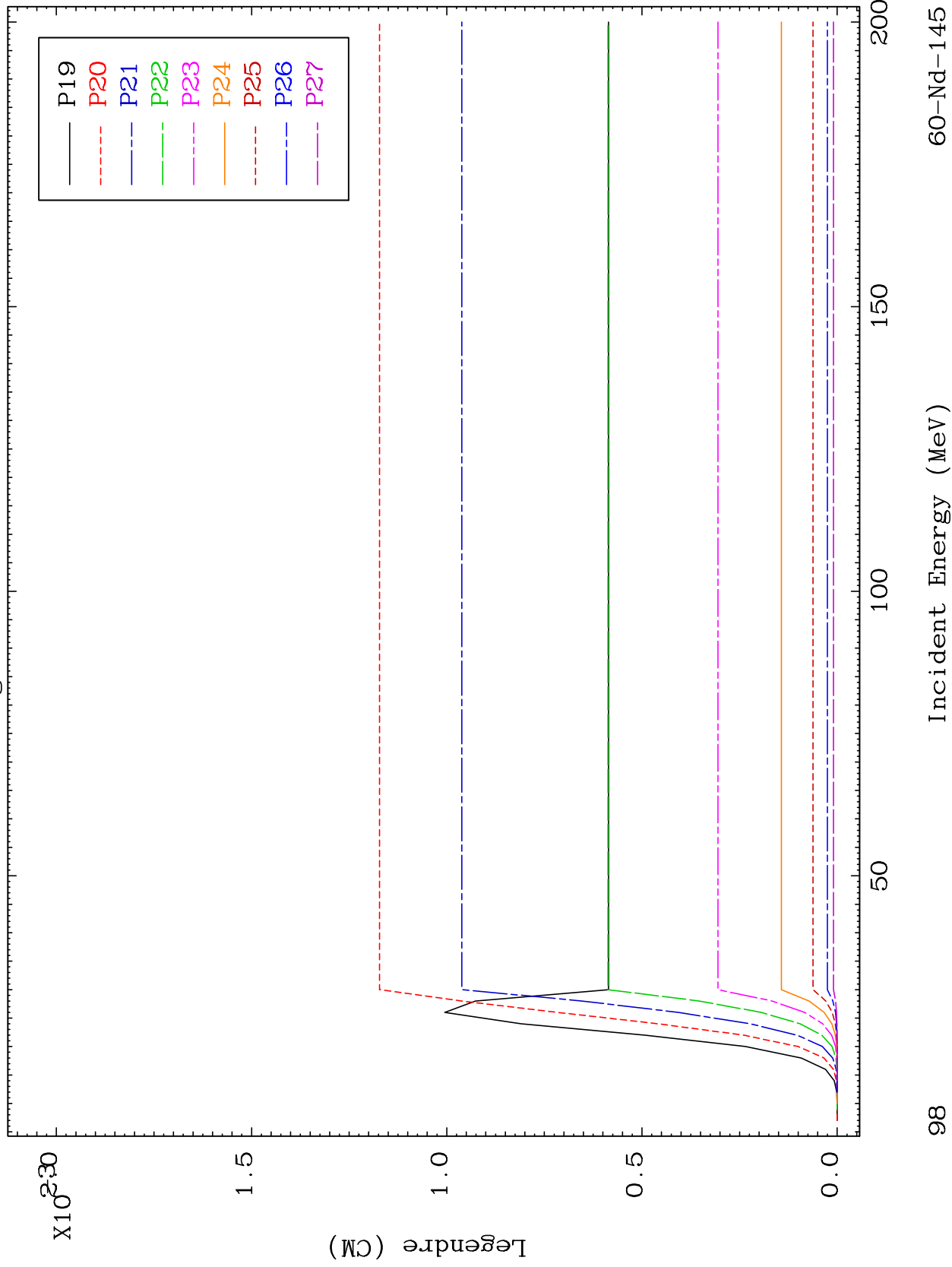
60-Nd-145



MAT 6034

MT= 71 (n,n') Level  
Legendre Coefficients

60-Nd-145



98

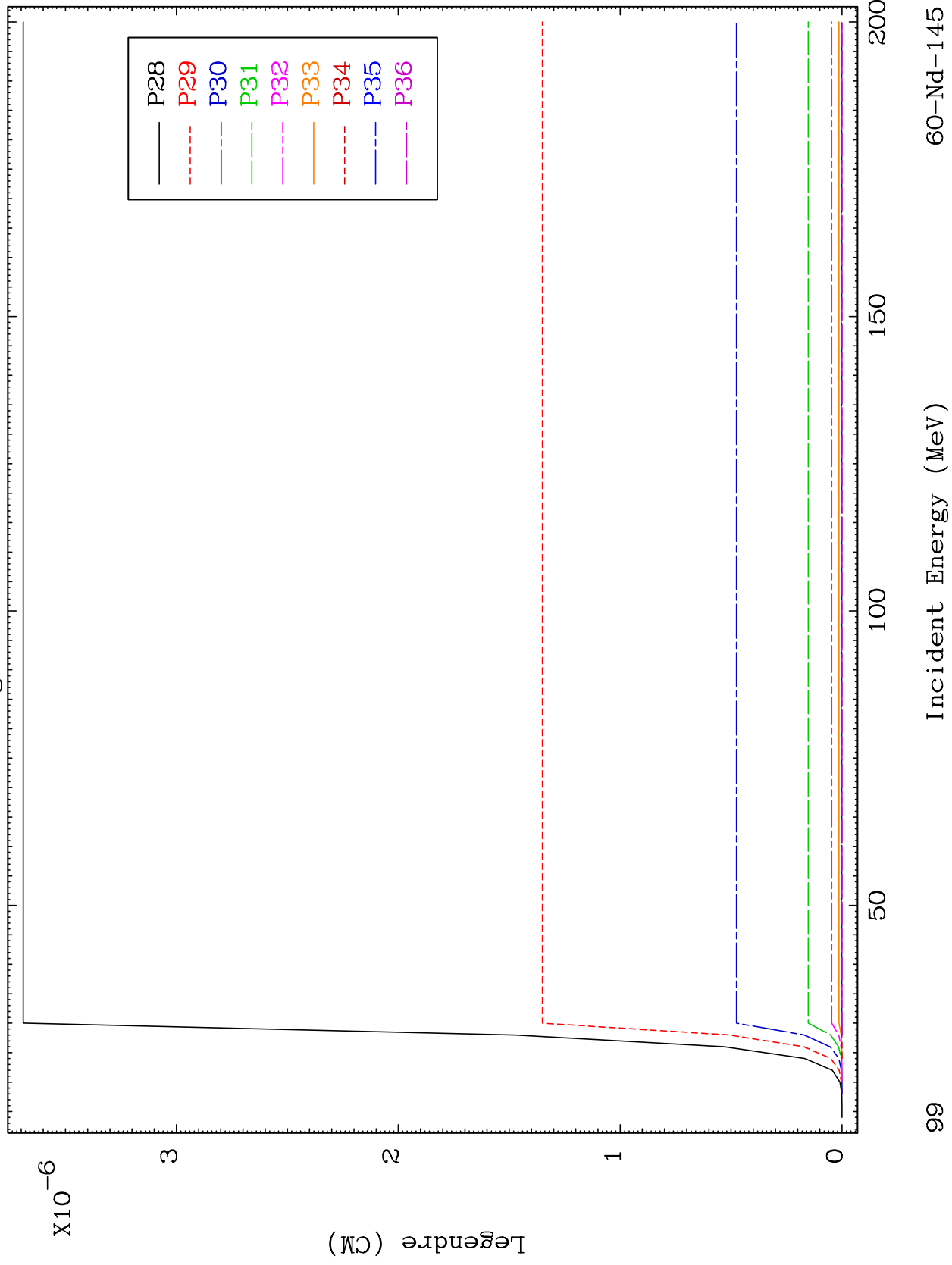
Incident Energy (MeV)

60-Nd-145

MAT 6034

MT= 71 (n,n') Level  
Legendre Coefficients

60-Nd-145



99

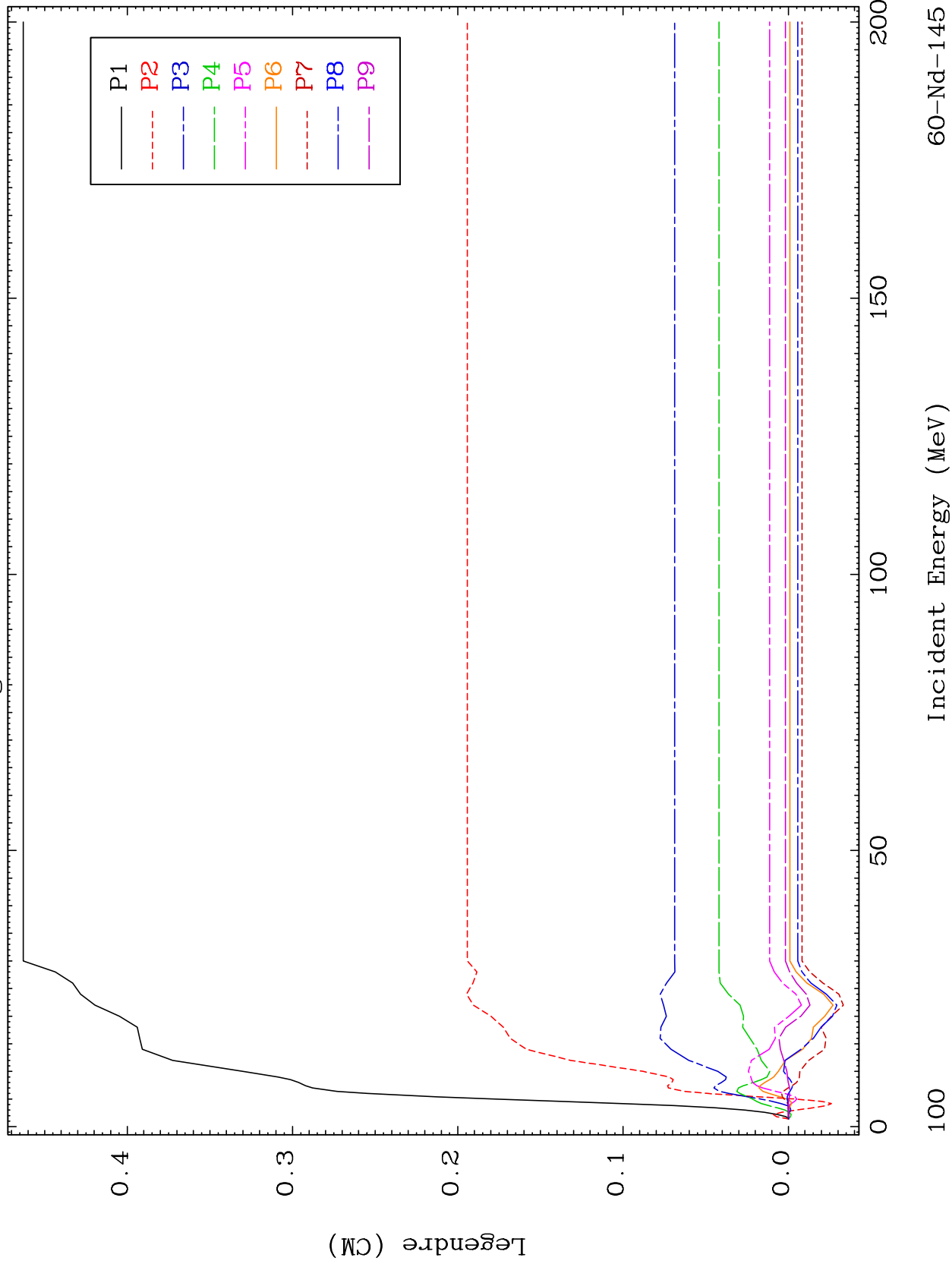
Incident Energy (MeV)

60-Nd-145

MAT 6034

MT= 72 (n,n') Level  
Legendre Coefficients

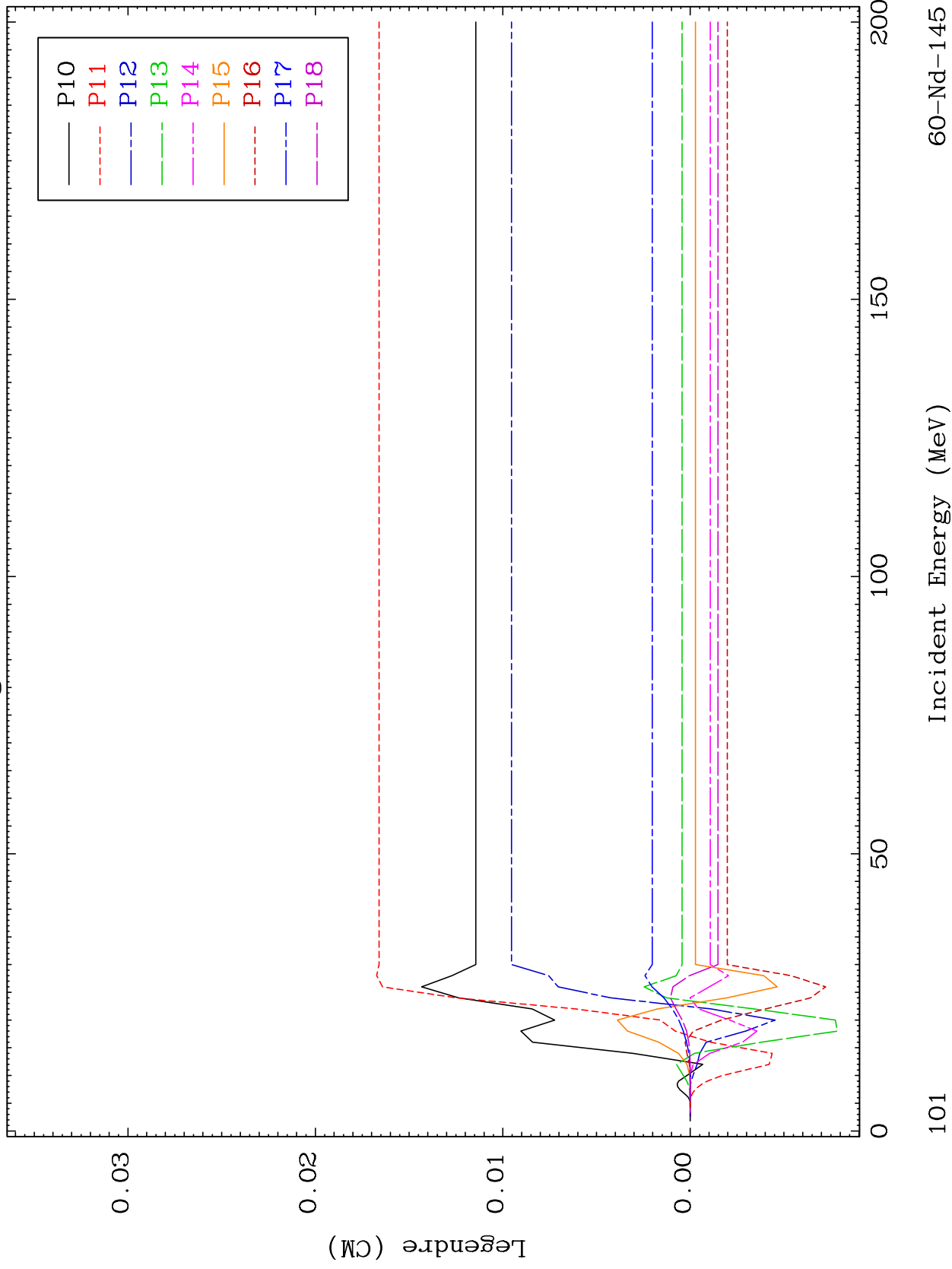
60-Nd-145



MAT 6034

MT= 72 (n,n') Level  
Legendre Coefficients

60-Nd-145



60-Nd-145

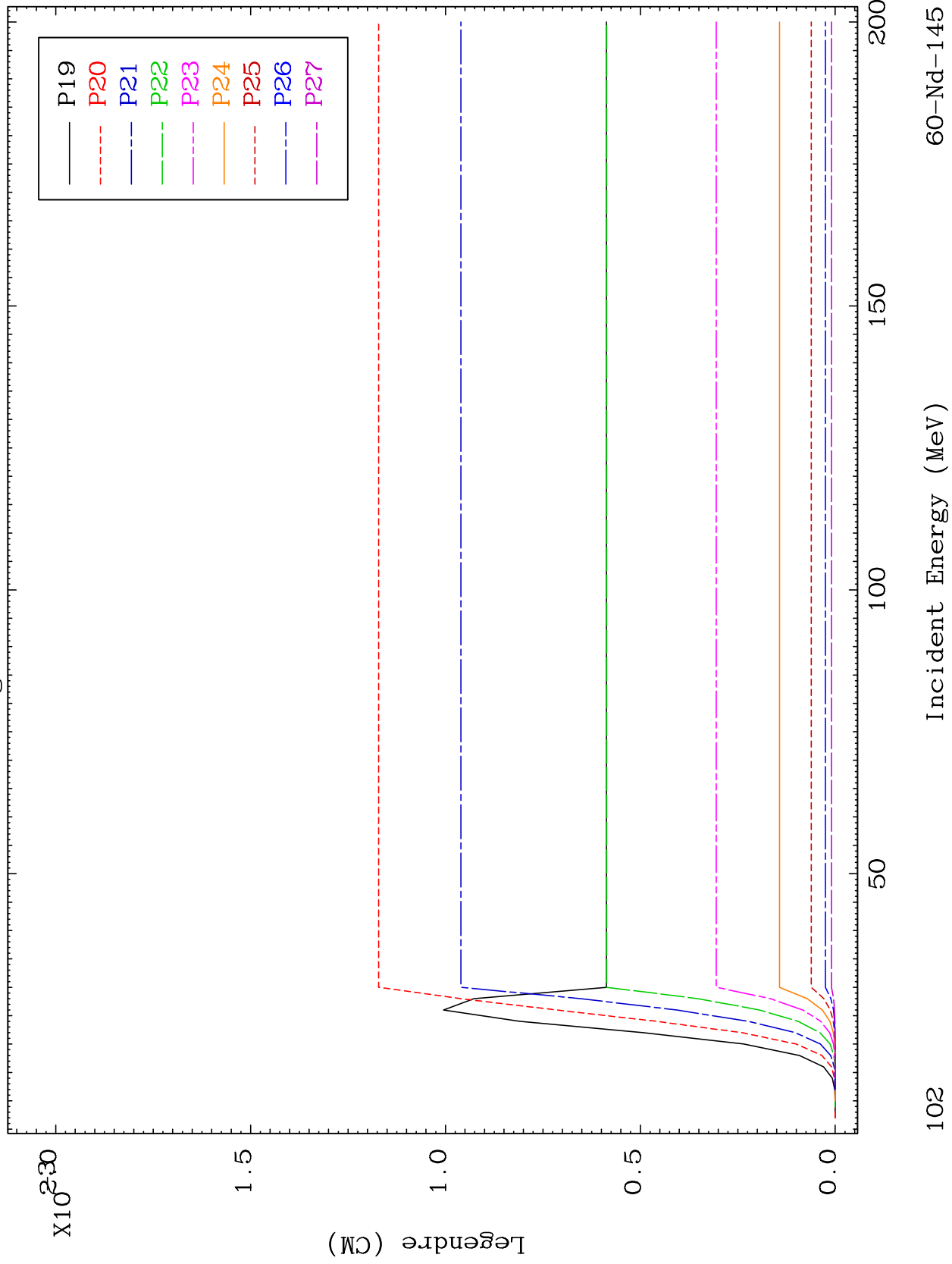
Incident Energy (MeV)

101

MAT 6034

MT= 72 (n,n') Level  
Legendre Coefficients

60-Nd-145

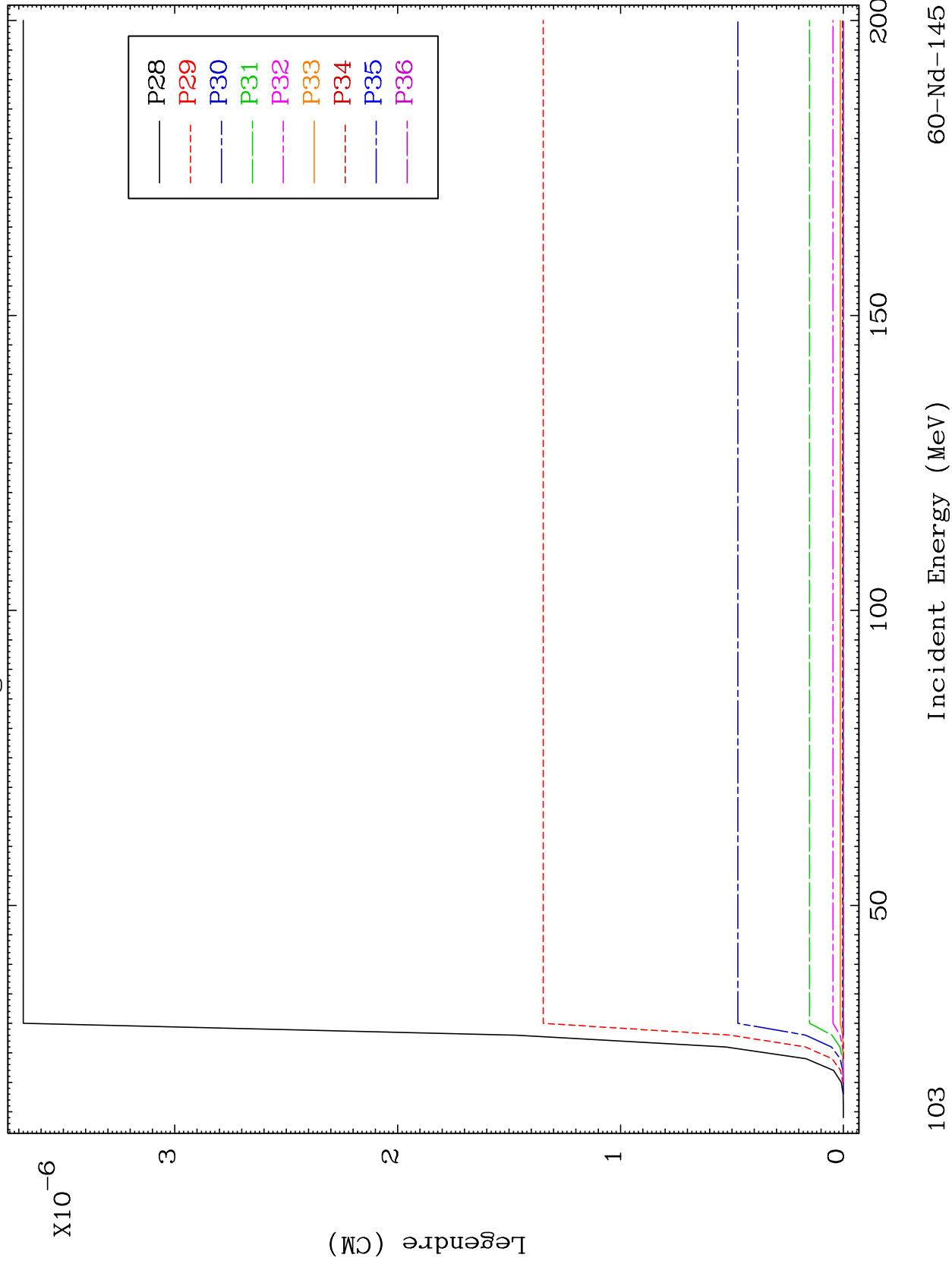


102

MAT 6034

MT= 72 (n,n') Level  
Legendre Coefficients

60-Nd-145

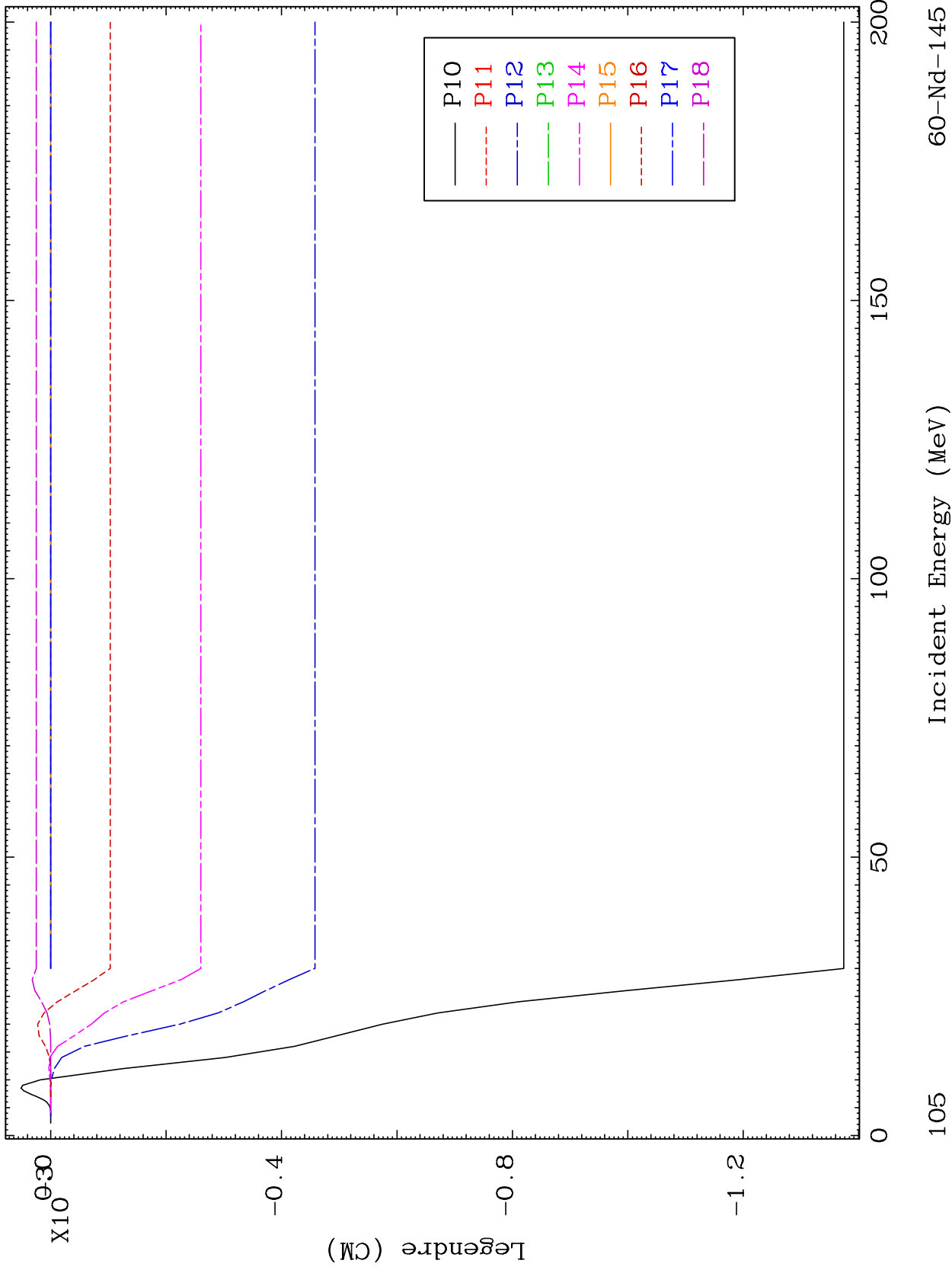




MAT 6034

MT= 73 (n,n') Level  
Legendre Coefficients

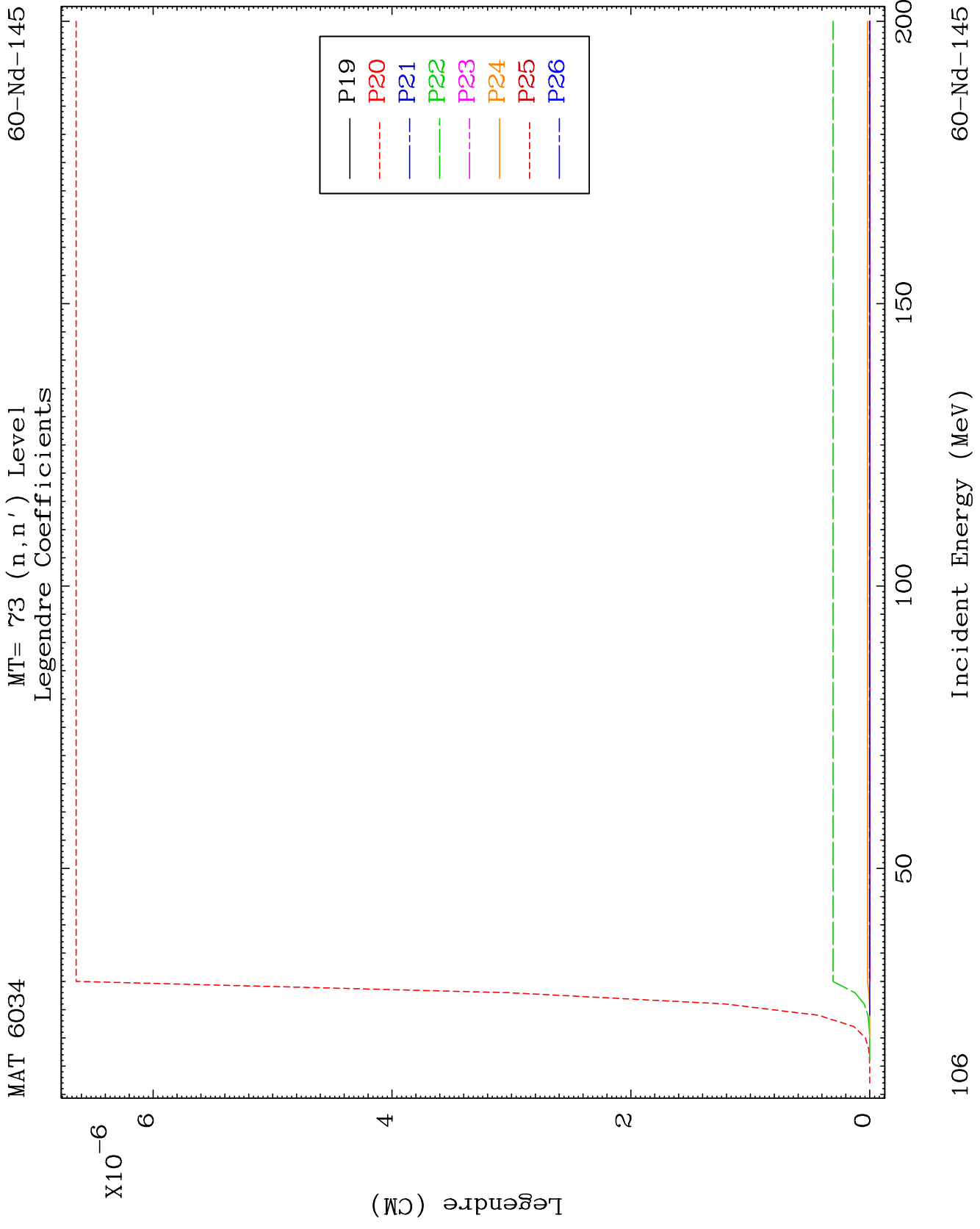
60-Nd-145

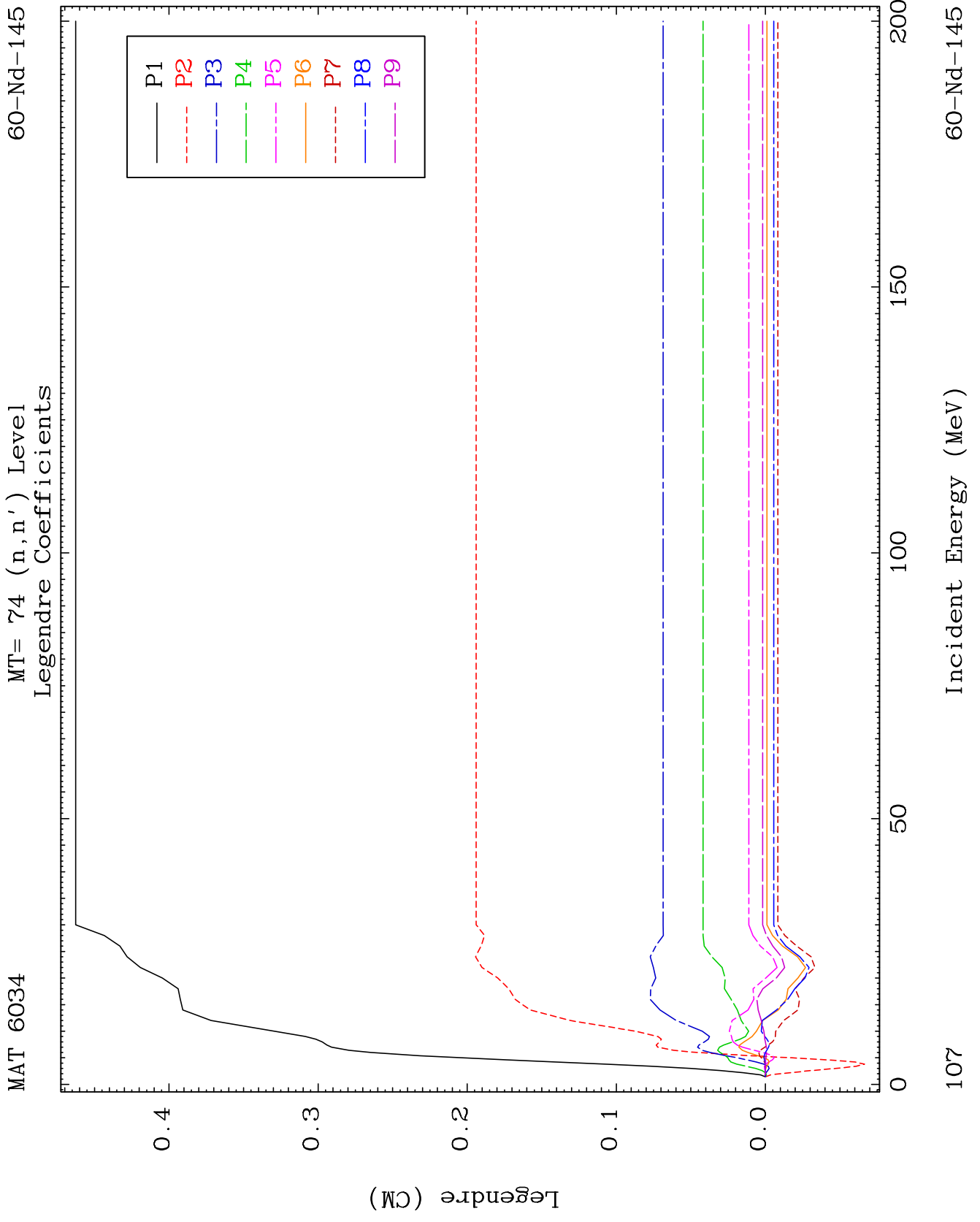


60-Nd-145

Incident Energy (MeV)

105

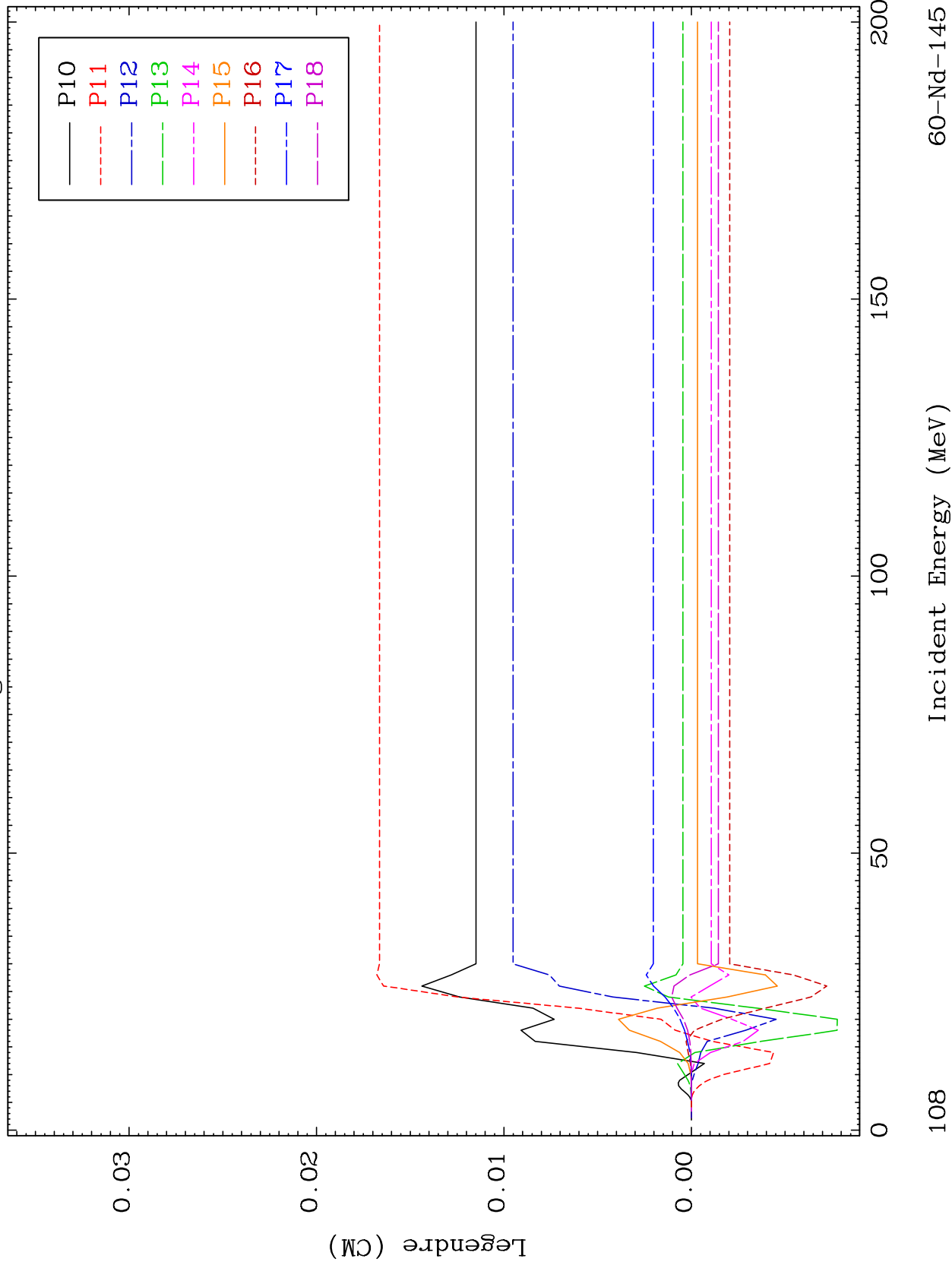




MAT 6034

MT= 74 (n,n') Level  
Legendre Coefficients

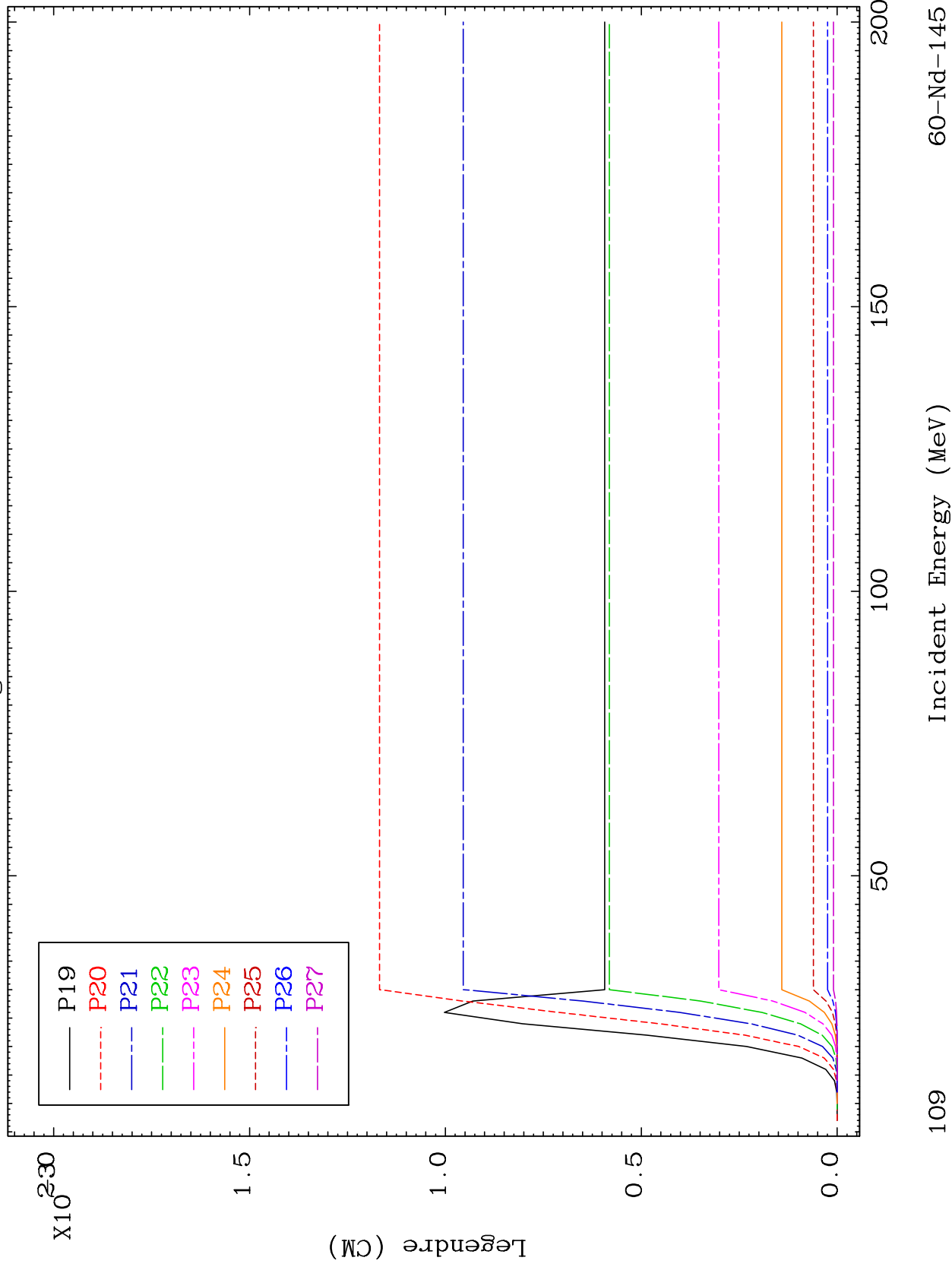
60-Nd-145



MAT 6034

MT= 74 (n,n') Level  
Legendre Coefficients

60-Nd-145

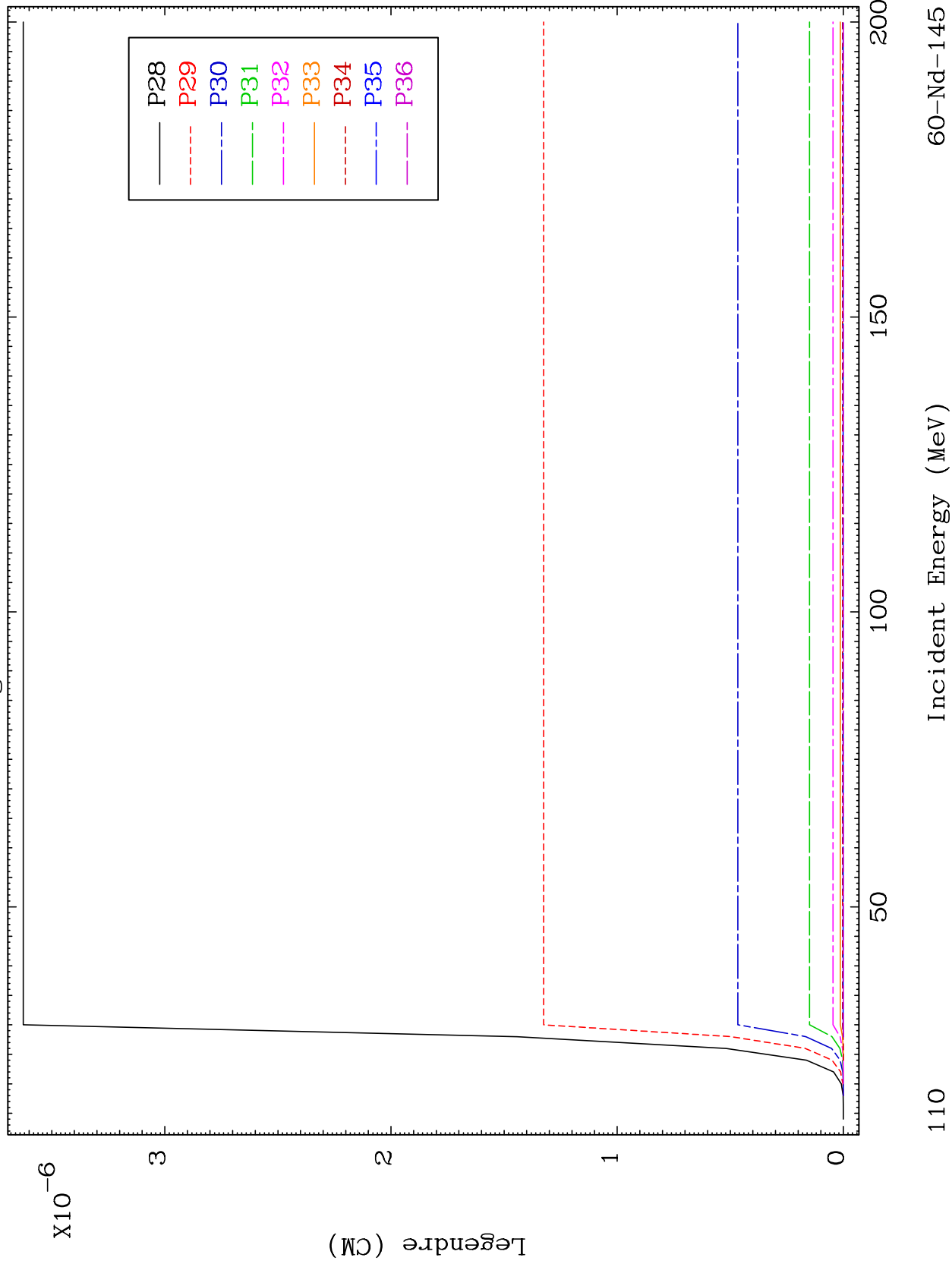


109

MAT 6034

MT= 74 (n,n') Level  
Legendre Coefficients

60-Nd-145

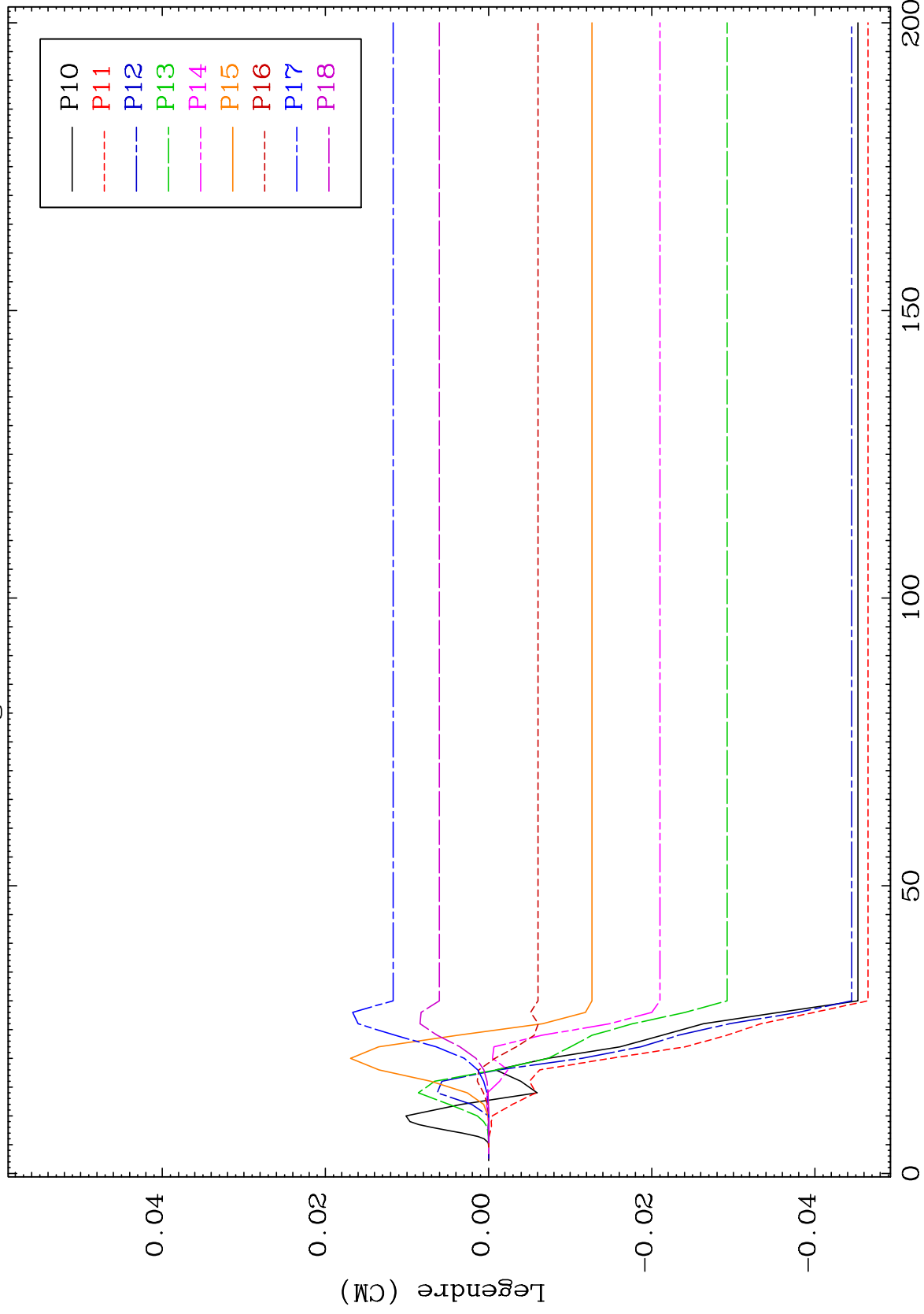




MAT 6034

MT= 75 (n,n') Level  
Legendre Coefficients

60-Nd-145



112

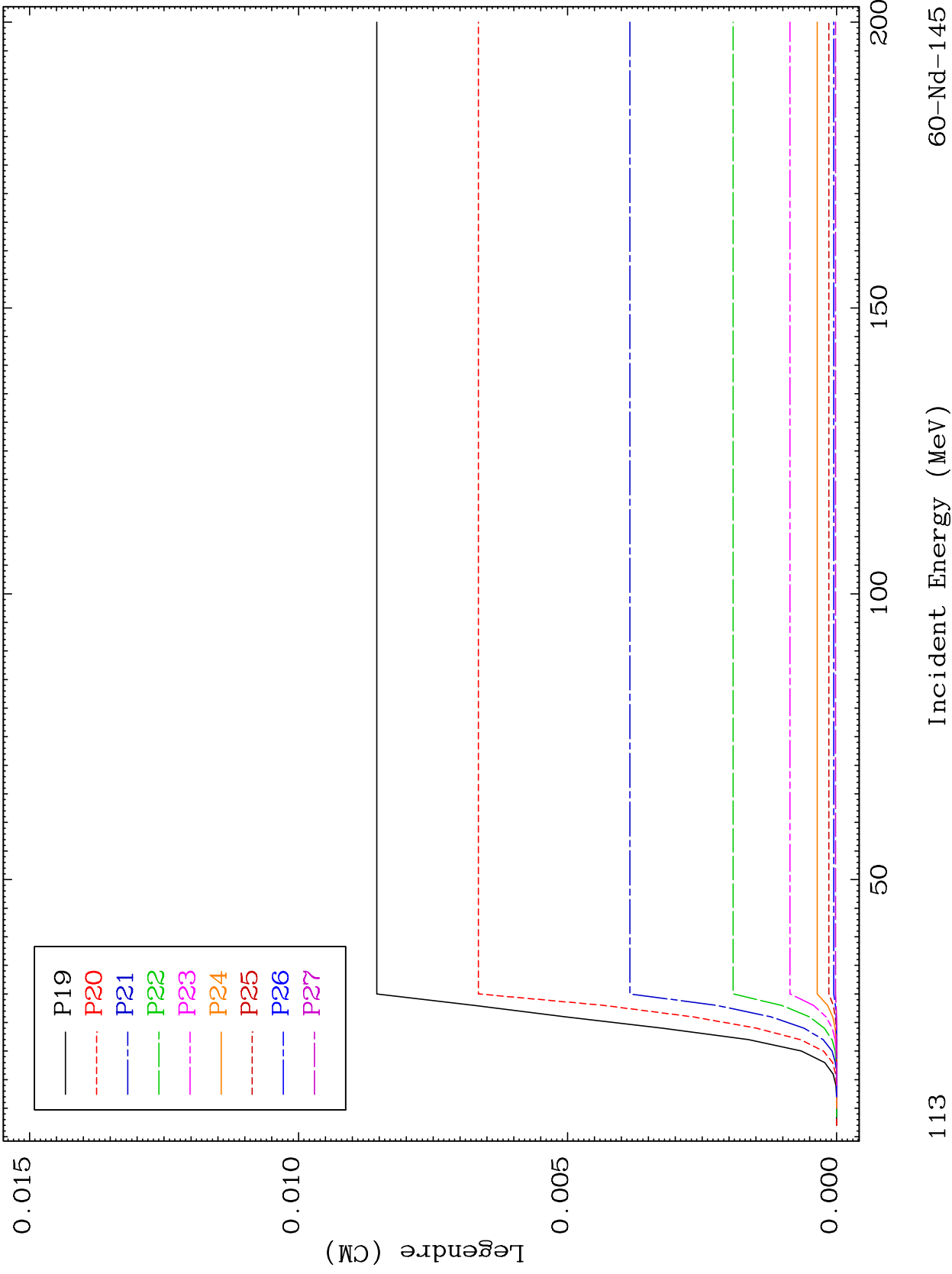
Incident Energy (MeV)

60-Nd-145

MAT 6034

MT= 75 (n,n') Level  
Legendre Coefficients

60-Nd-145



113

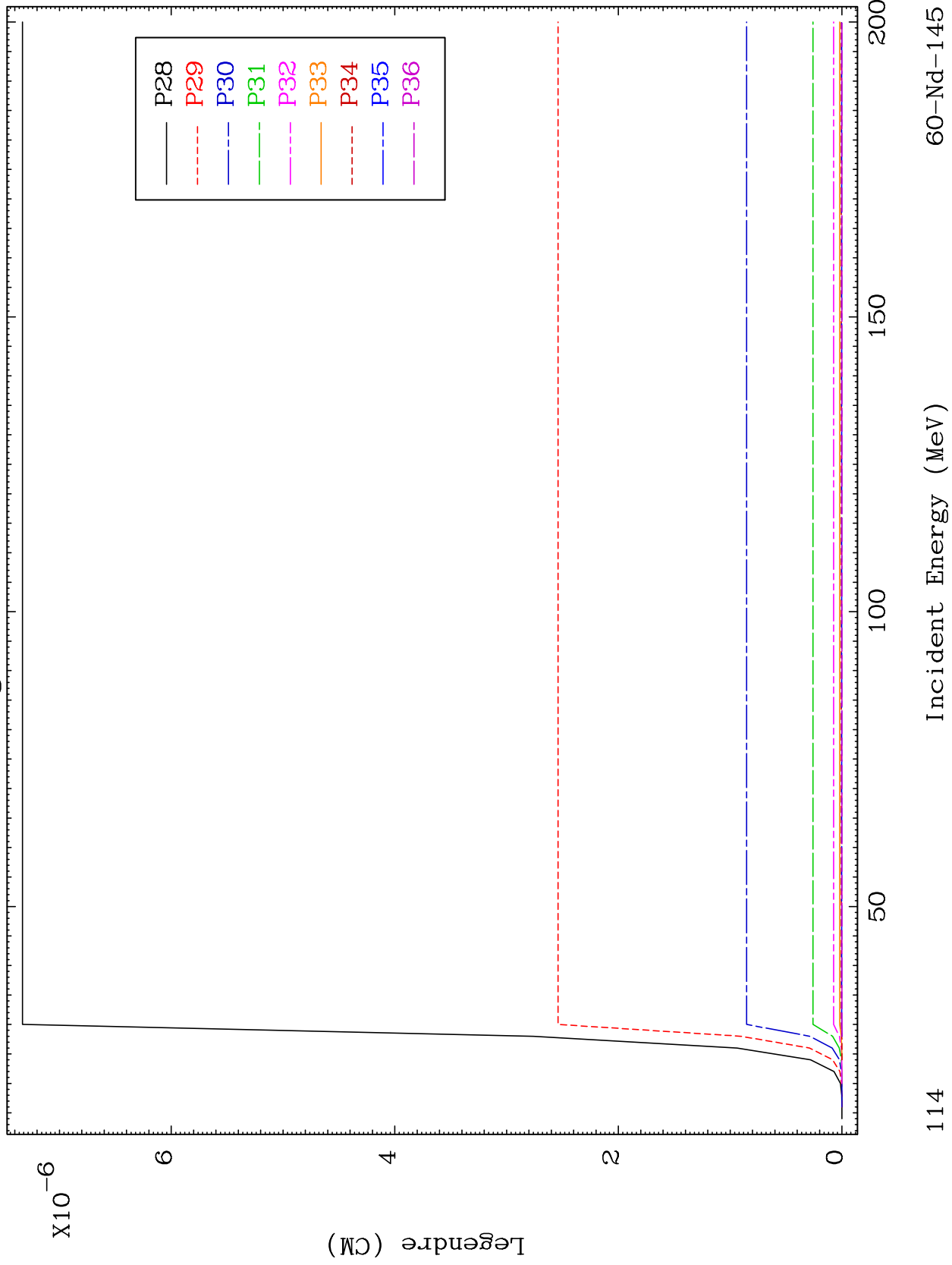
Incident Energy (MeV)

60-Nd-145

MAT 6034

MT= 75 (n,n') Level  
Legendre Coefficients

60-Nd-145



114

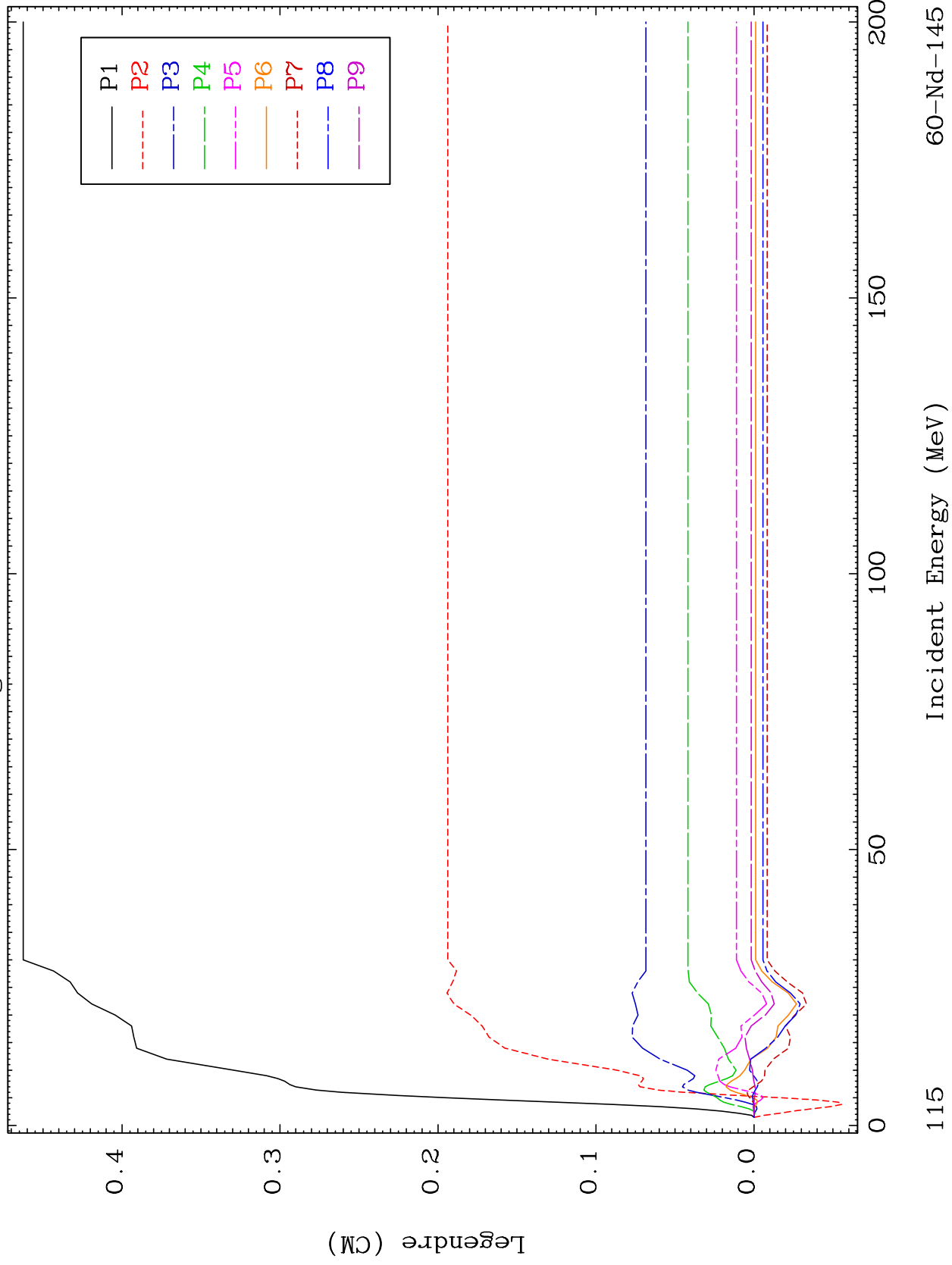
Incident Energy (MeV)

60-Nd-145

MAT 6034

MT= 76 (n,n') Level  
Legendre Coefficients

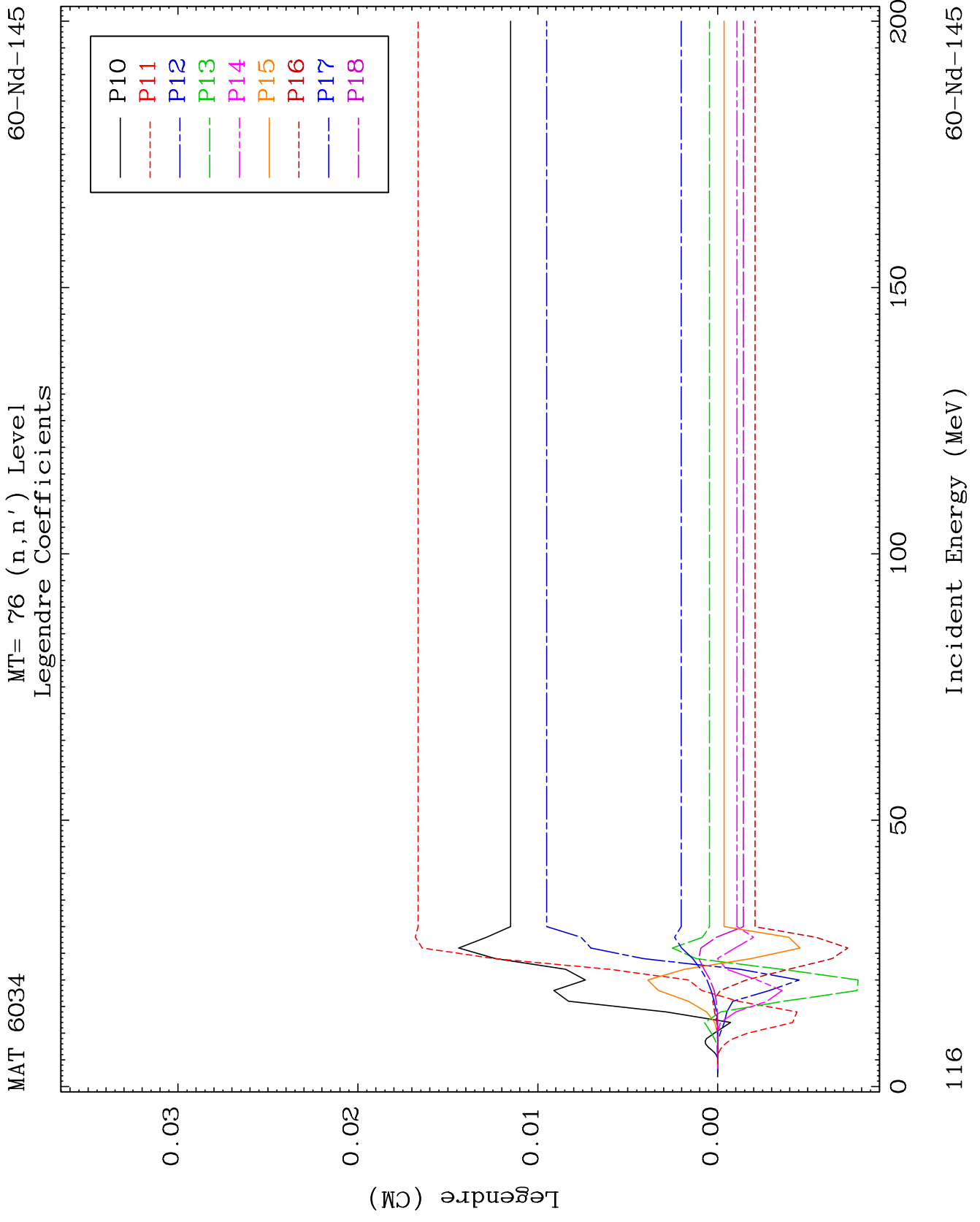
60-Nd-145



60-Nd-145

Incident Energy (MeV)

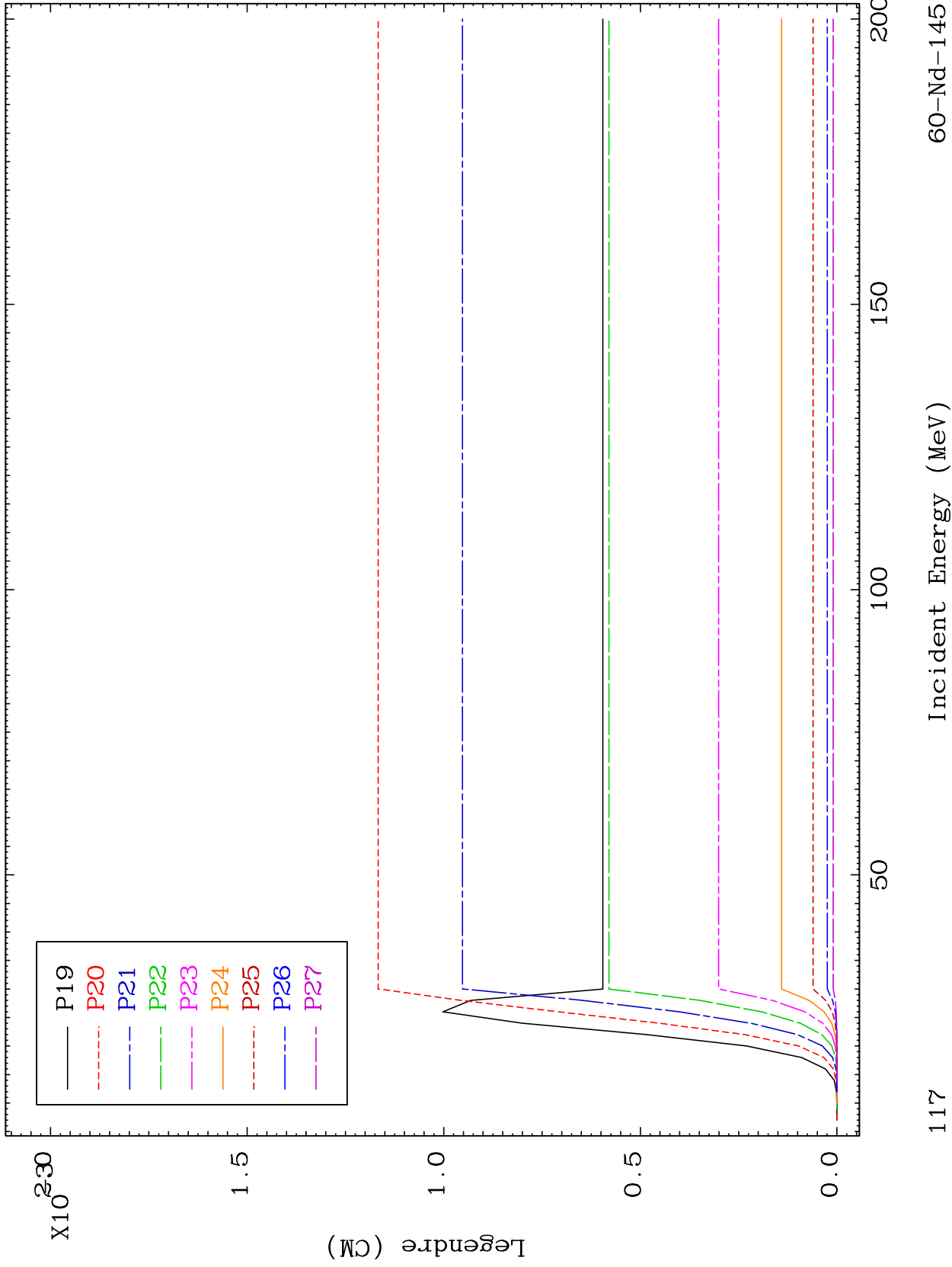
115



MAT 6034

MT= 76 (n,n') Level  
Legendre Coefficients

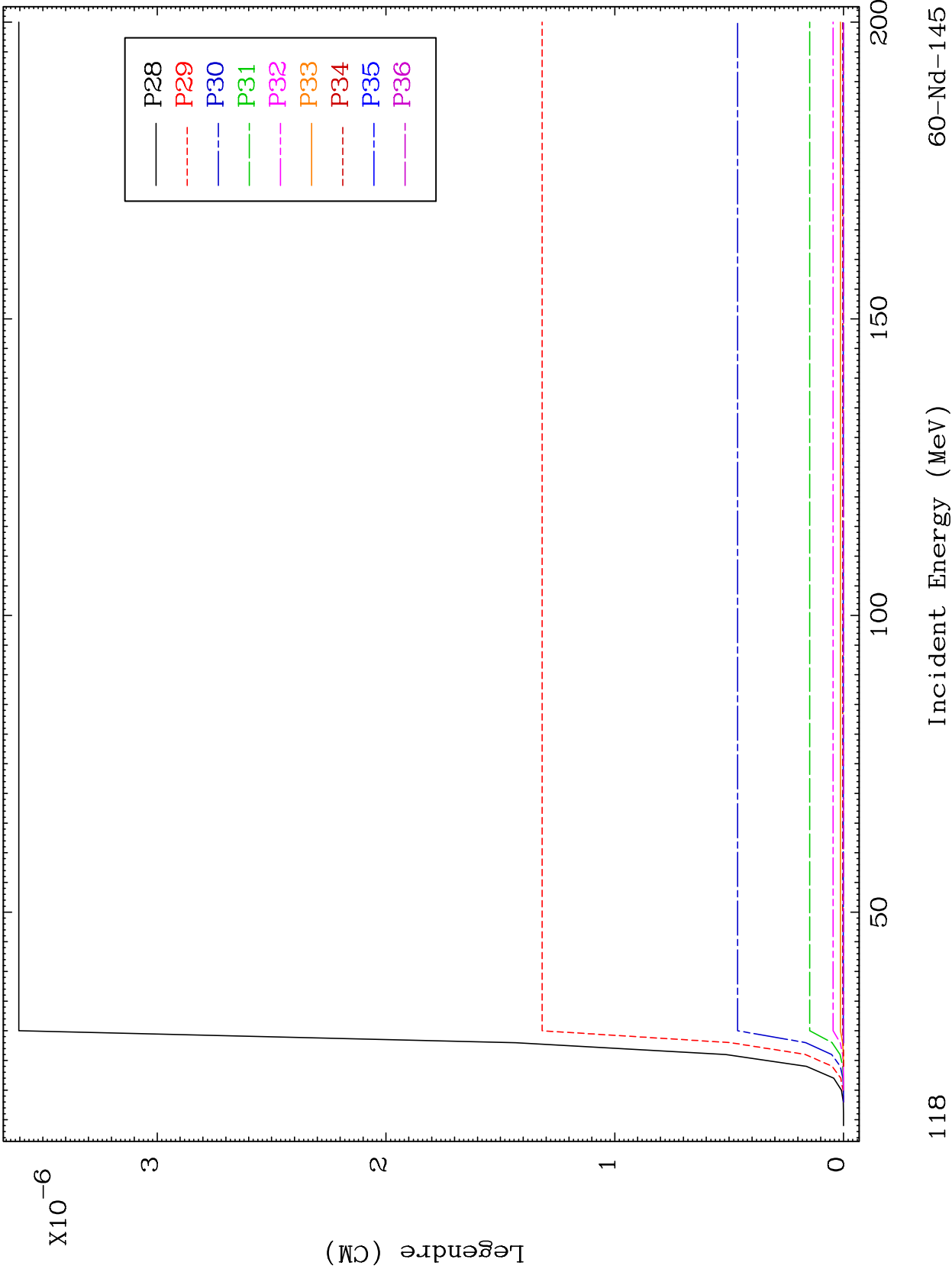
60-Nd-145



MAT 6034

MT= 76 (n,n') Level  
Legendre Coefficients

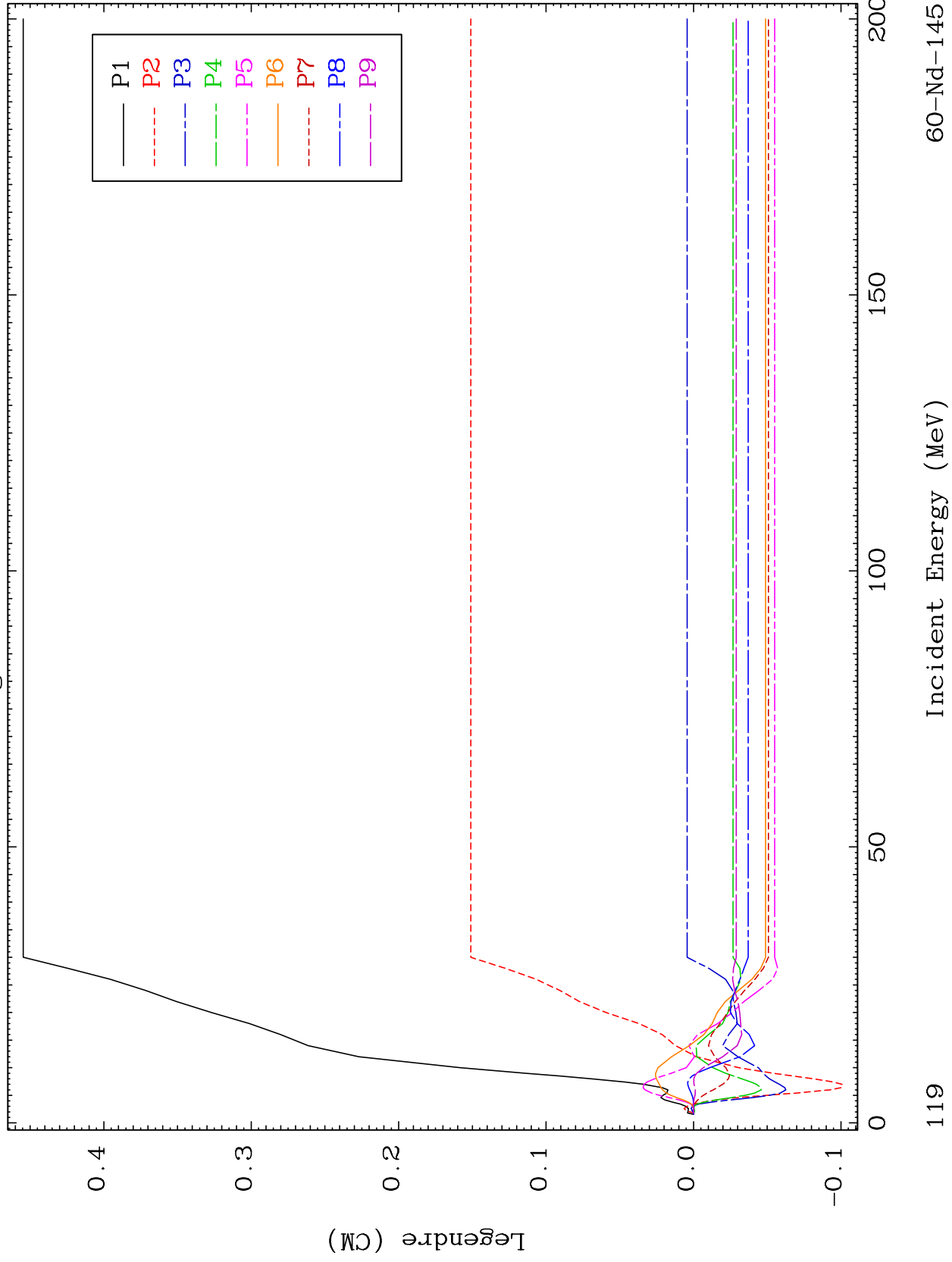
60-Nd-145



MAT 6034

MT= 77 (n,n') Level  
Legendre Coefficients

60-Nd-145



60-Nd-145

Incident Energy (MeV)

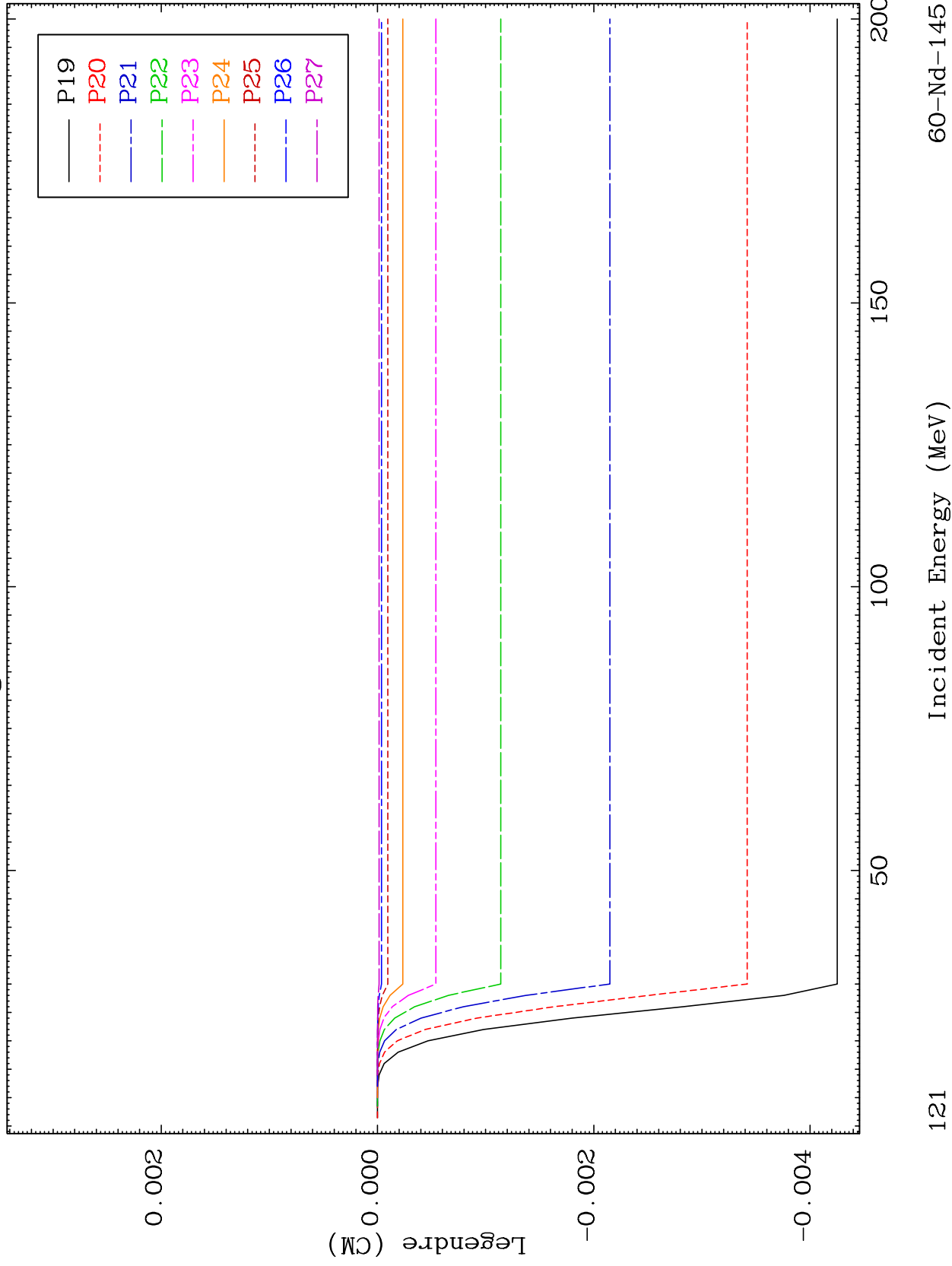
119



MAT 6034

MT= 77 (n,n') Level  
Legendre Coefficients

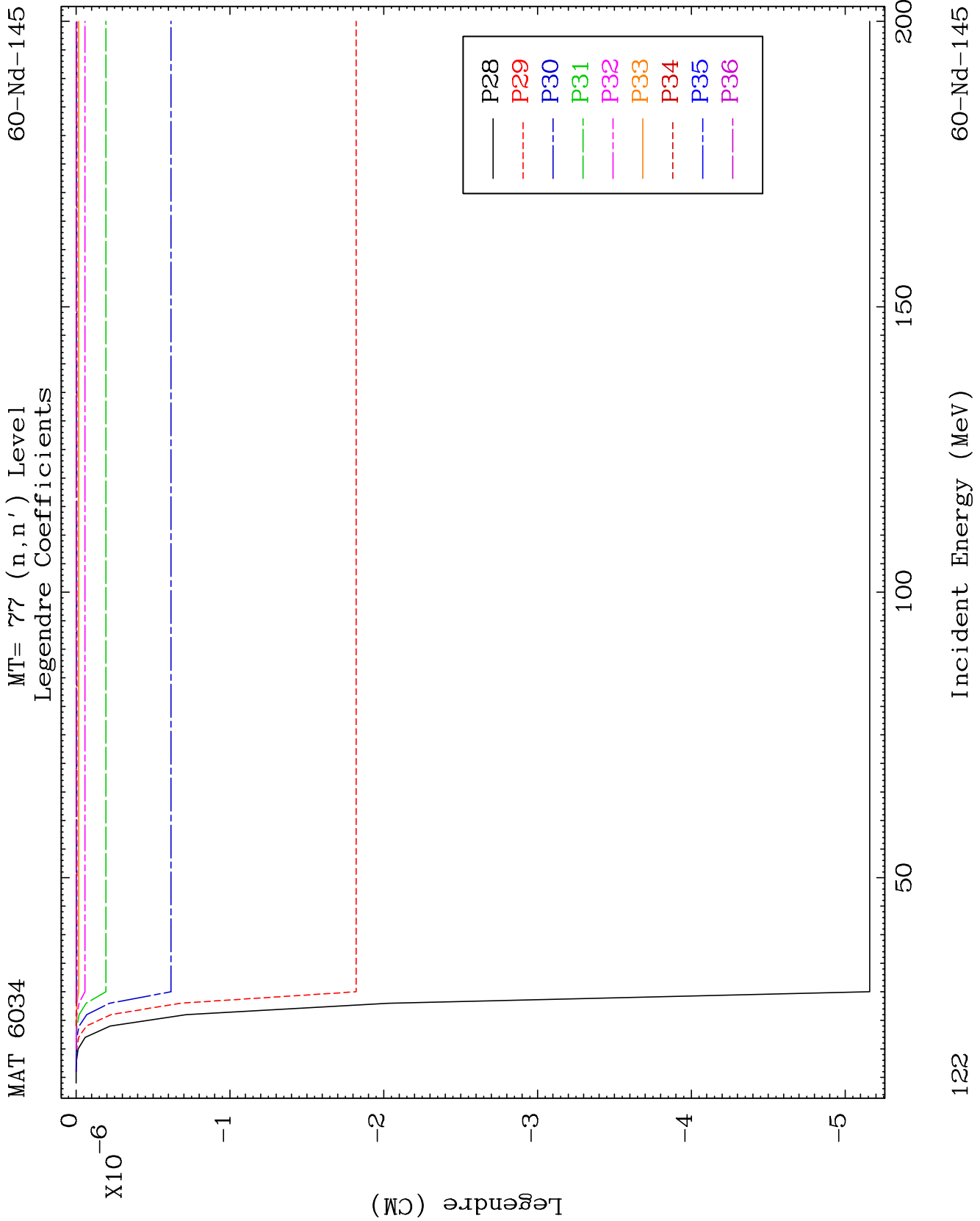
60-Nd-145

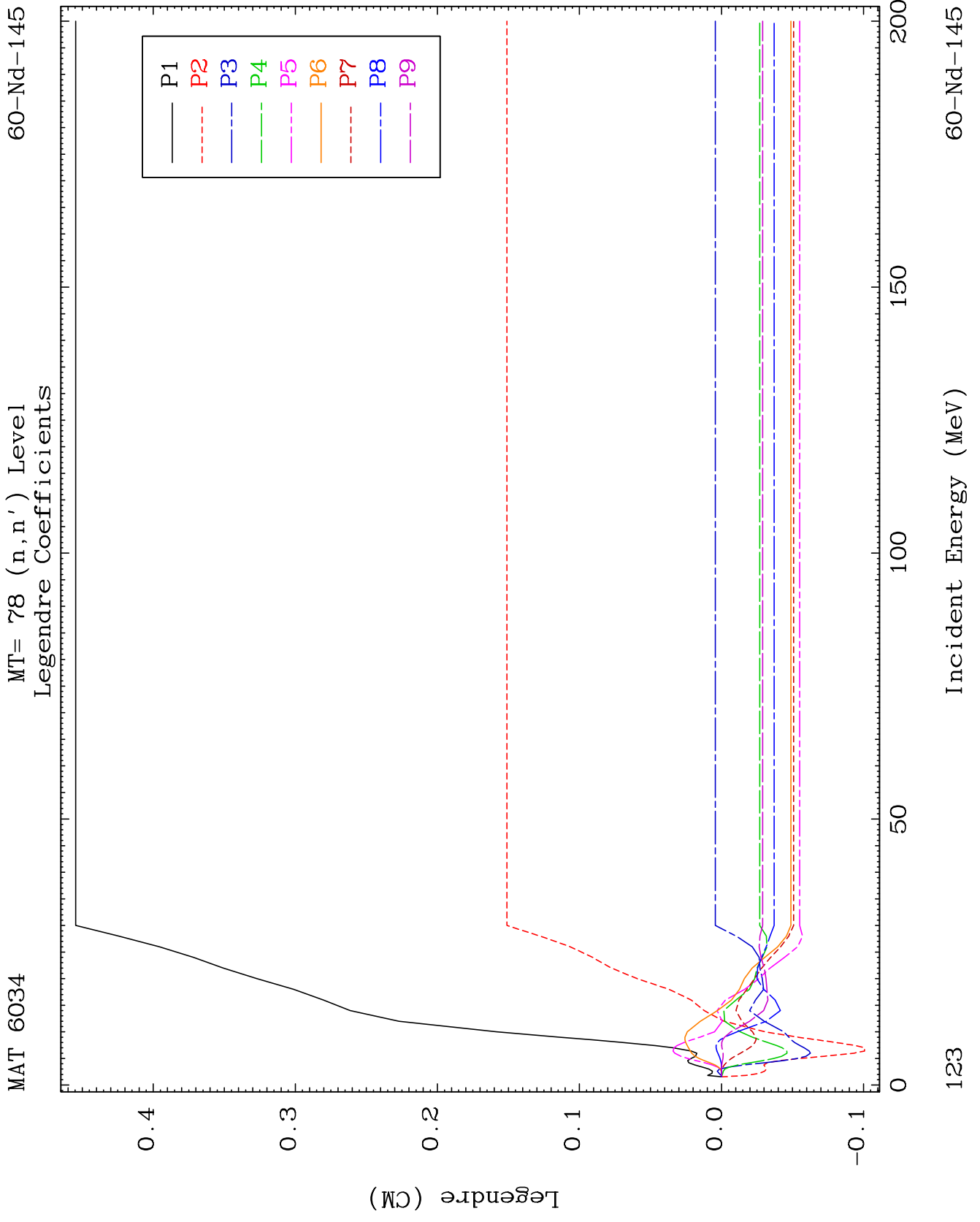


121

Incident Energy (MeV)

60-Nd-145

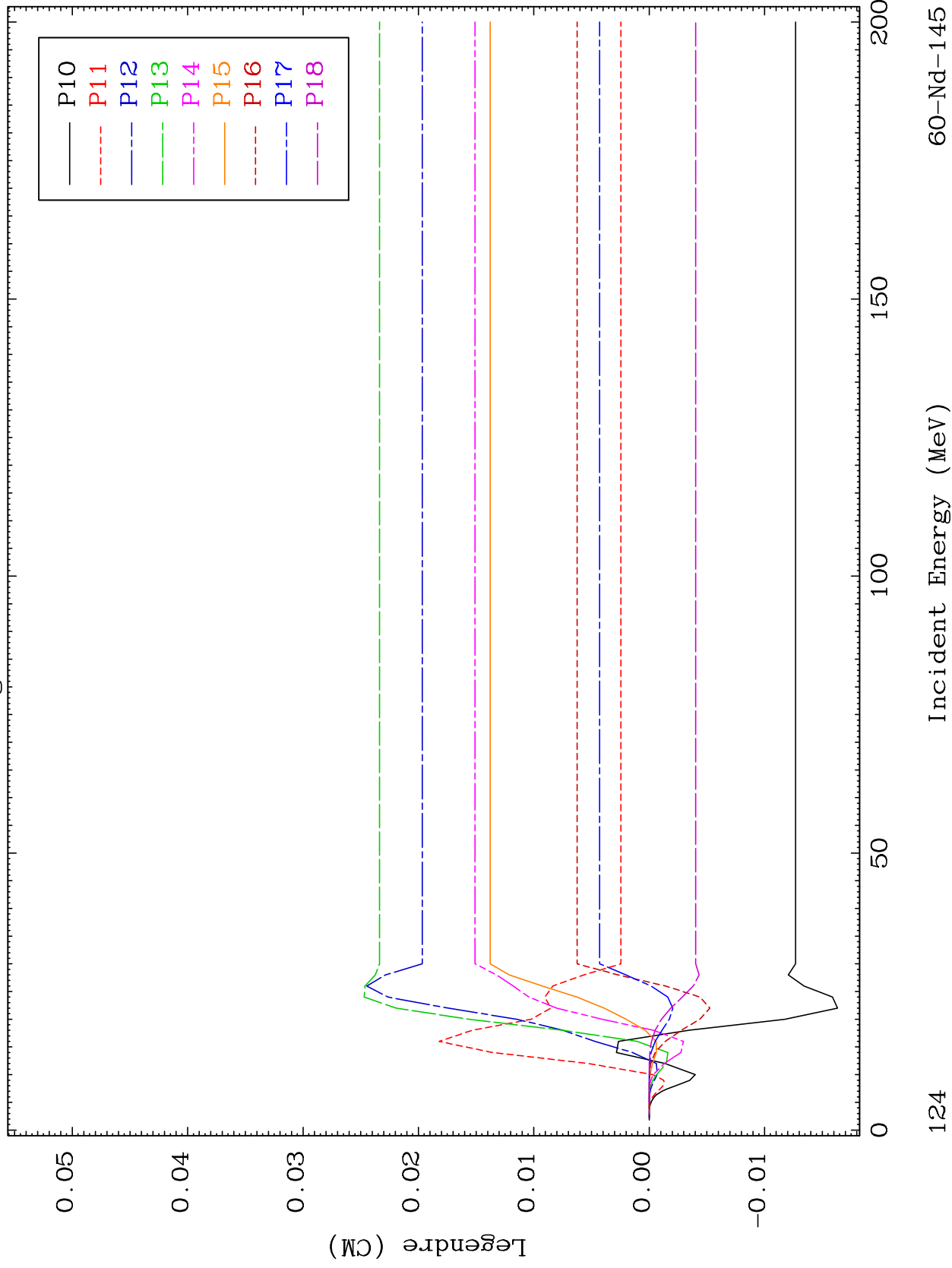




MAT 6034

MT= 78 (n,n') Level  
Legendre Coefficients

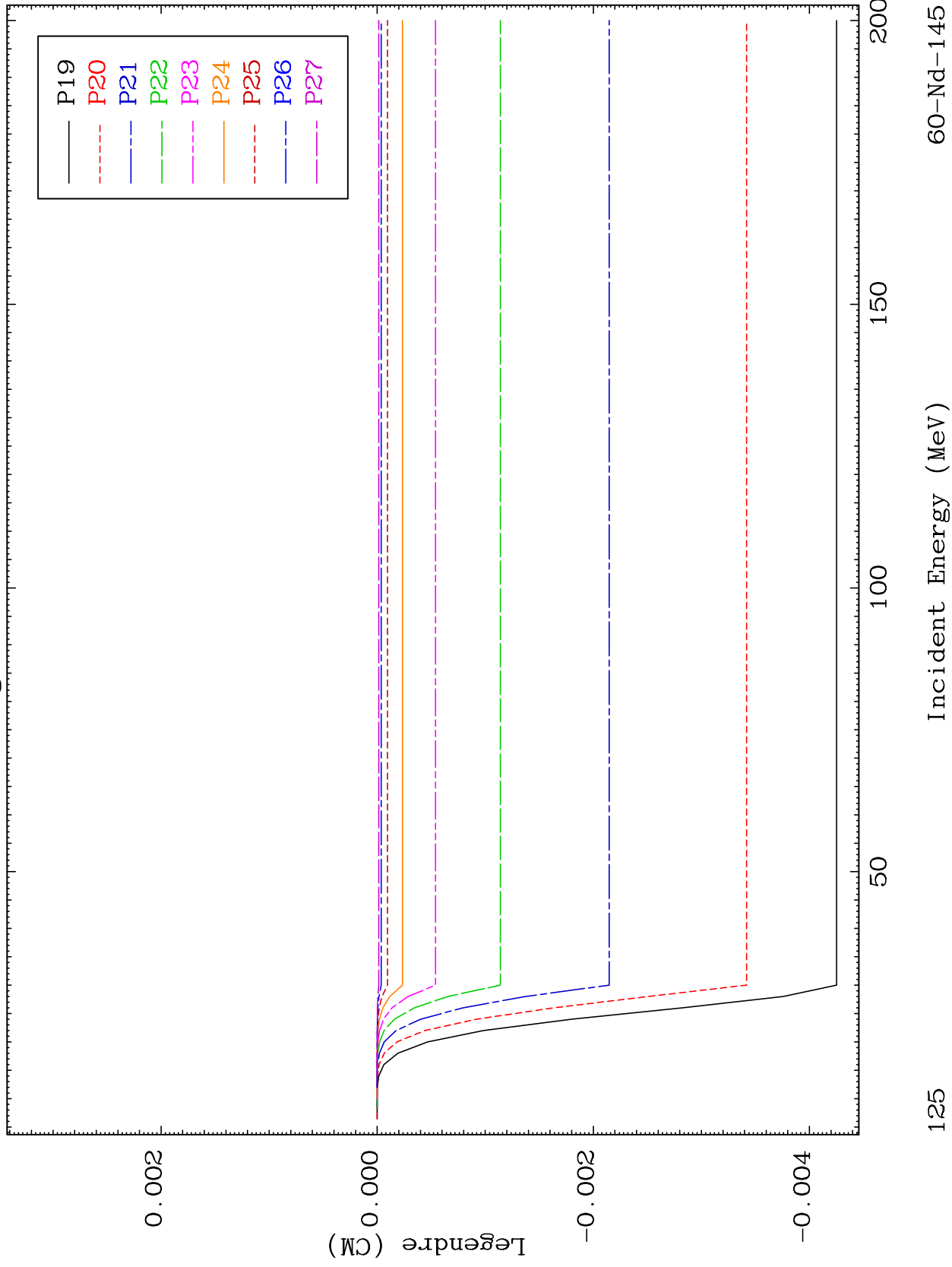
60-Nd-145



MAT 6034

MT= 78 (n,n') Level  
Legendre Coefficients

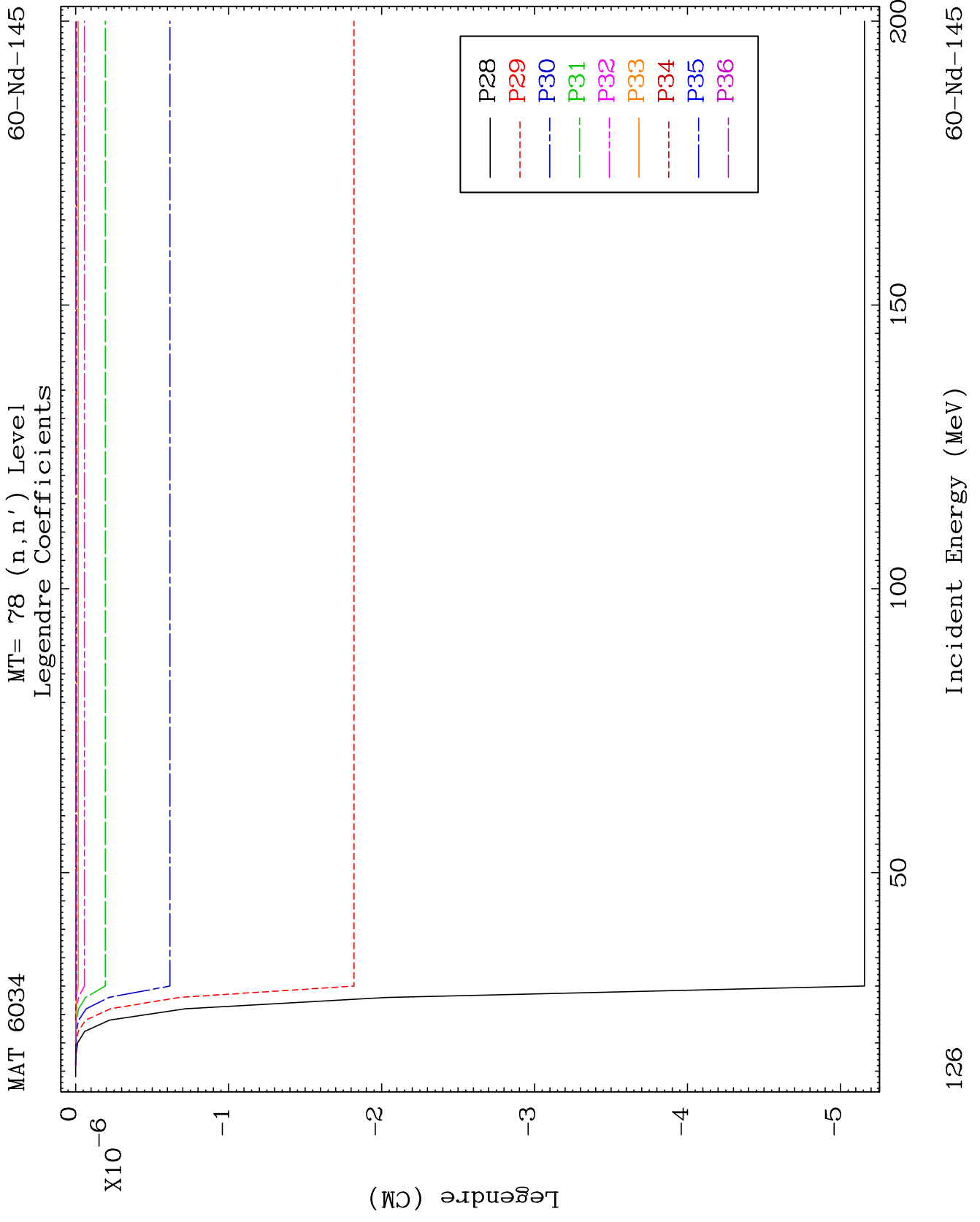
60-Nd-145

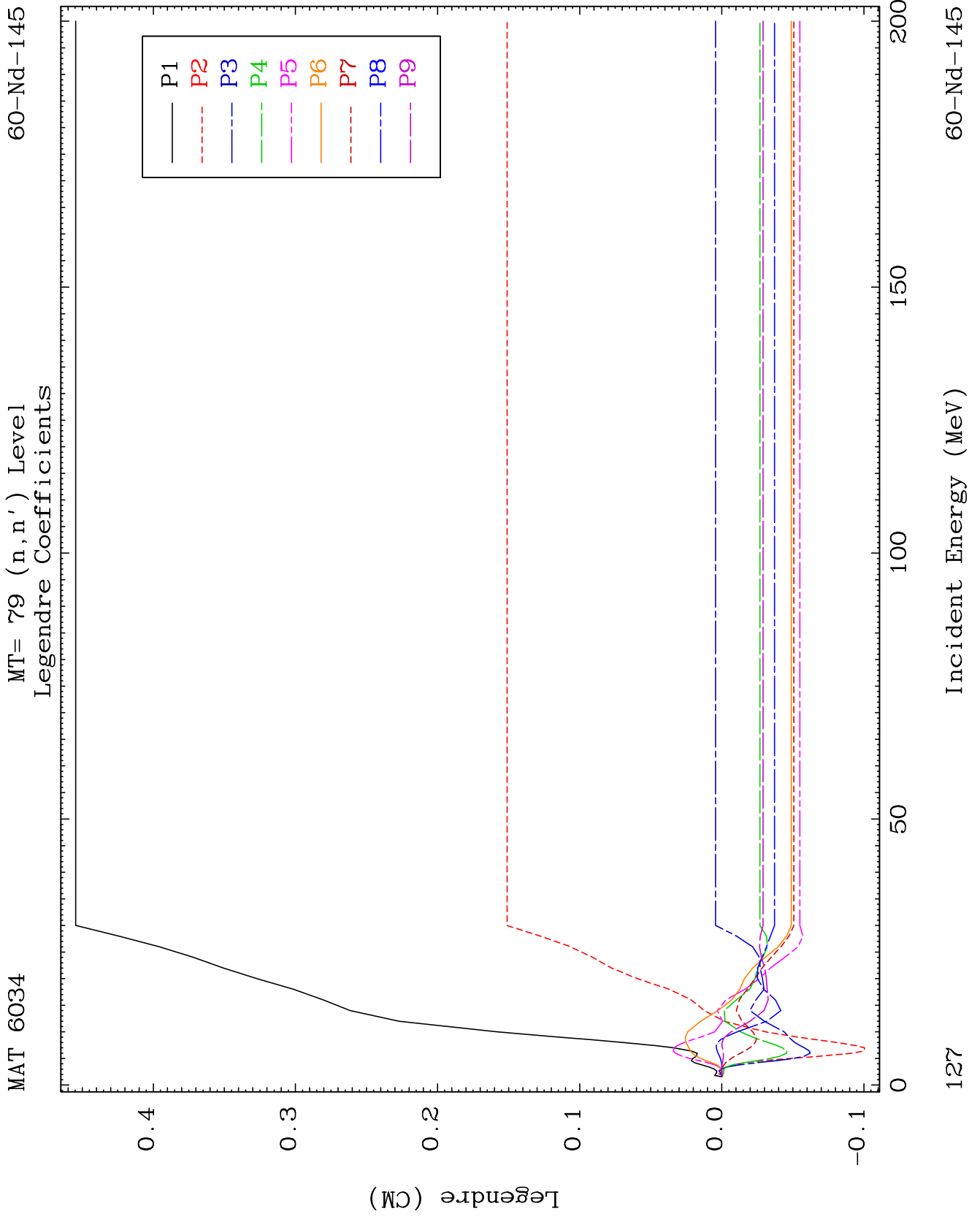


125

Incident Energy (MeV)

60-Nd-145

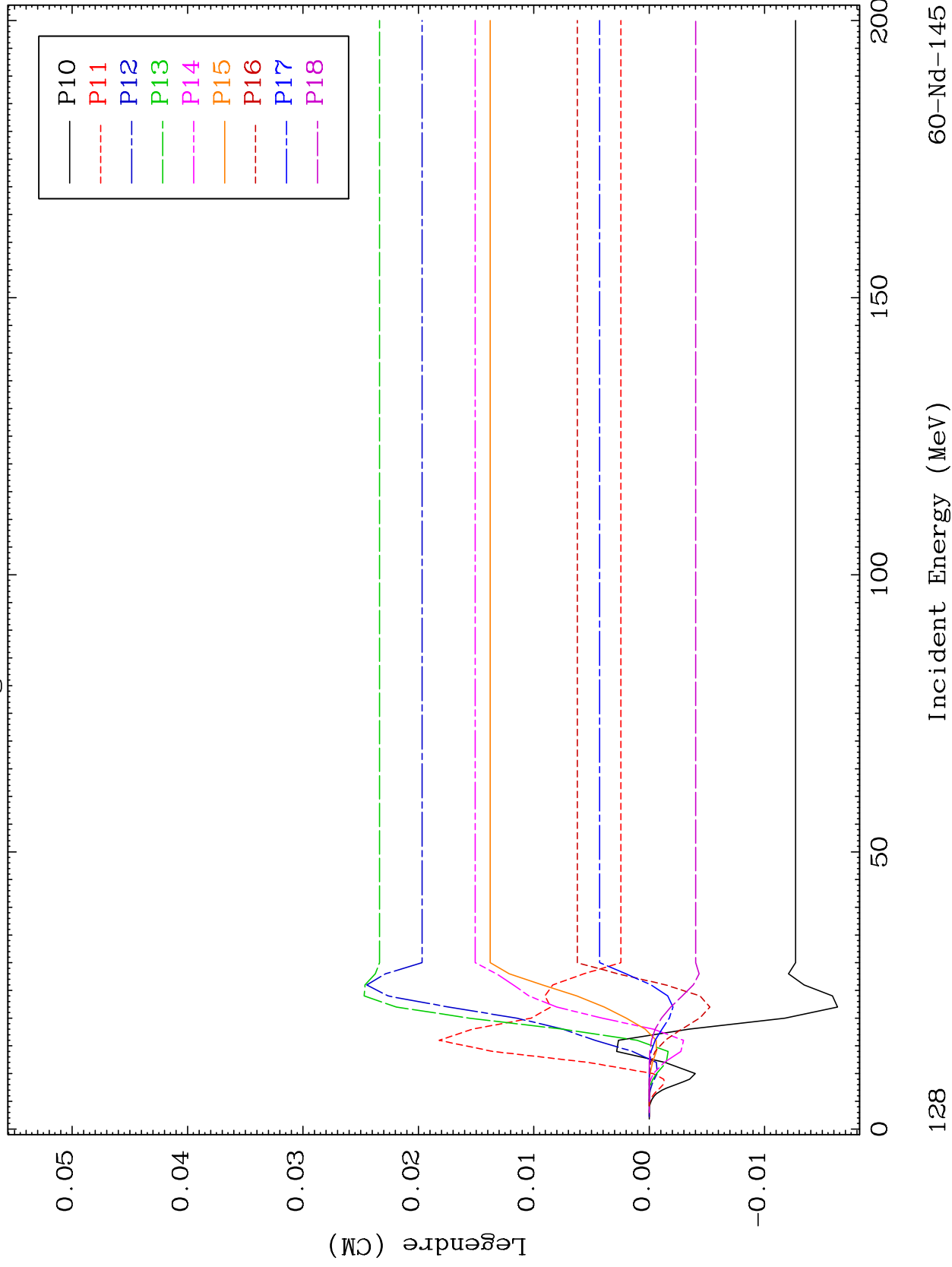




MAT 6034

MT= 79 (n,n') Level  
Legendre Coefficients

60-Nd-145



128

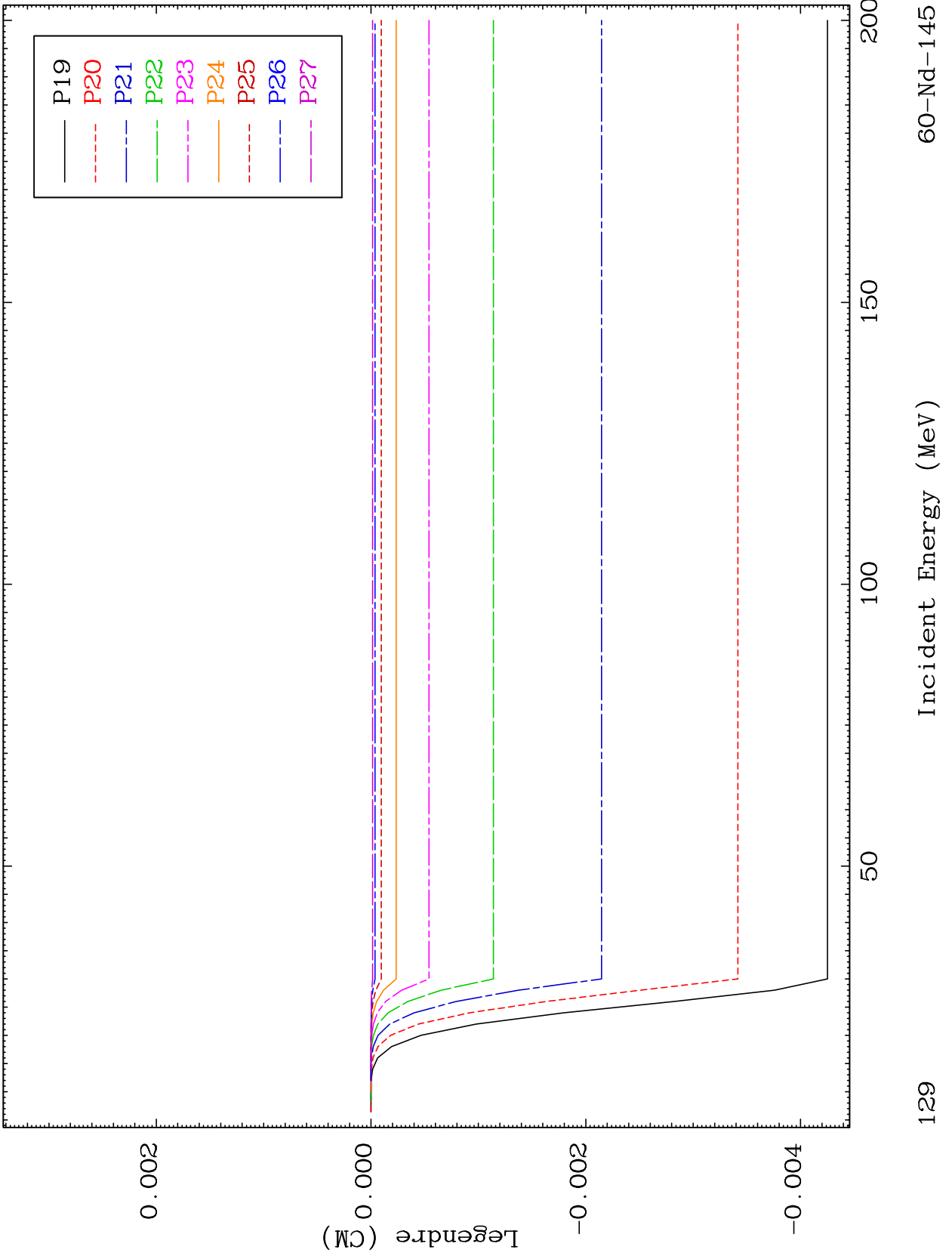
Incident Energy (MeV)

60-Nd-145

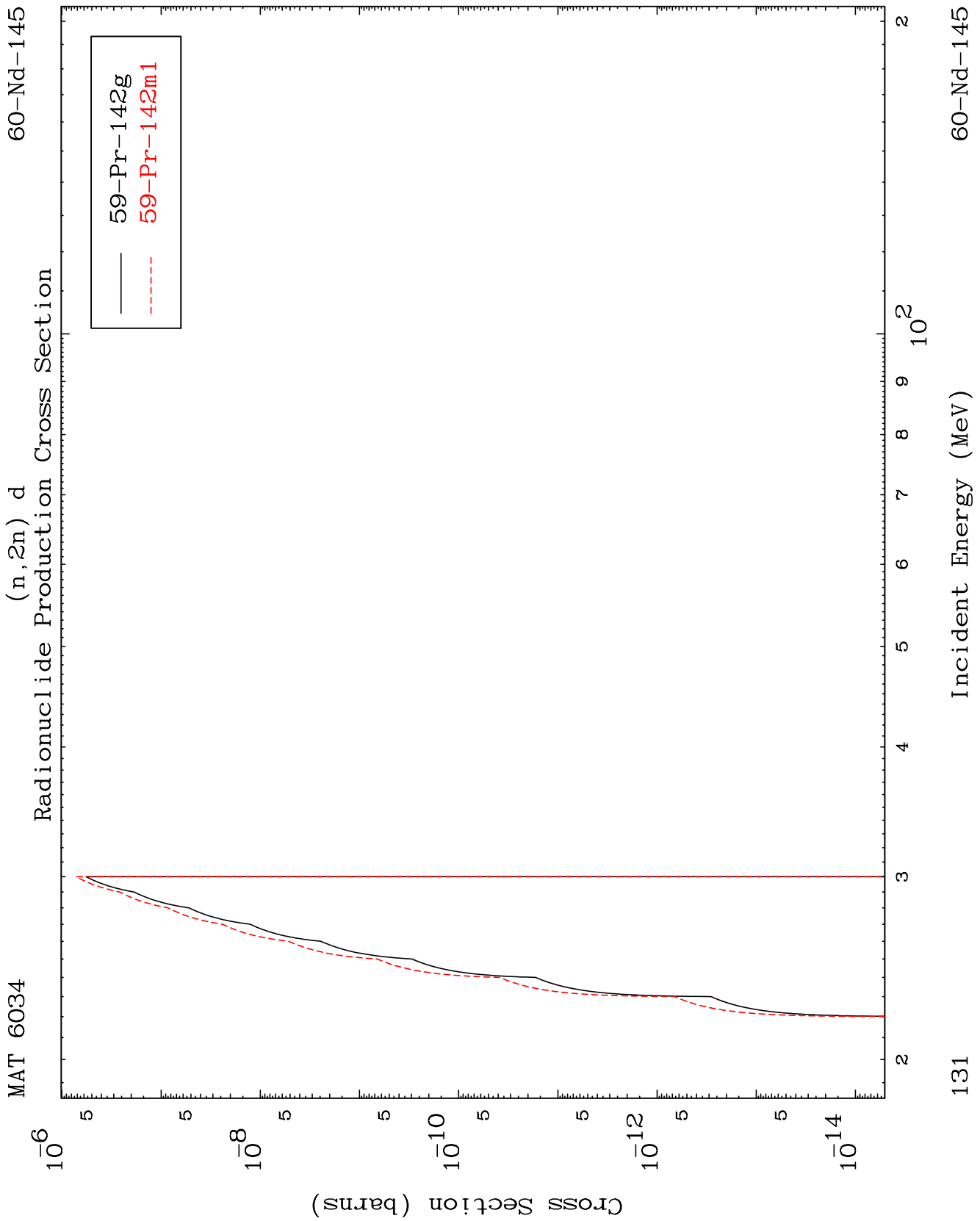
MAT 6034

MT= 79 (n,n') Level  
Legendre Coefficients

60-Nd-145





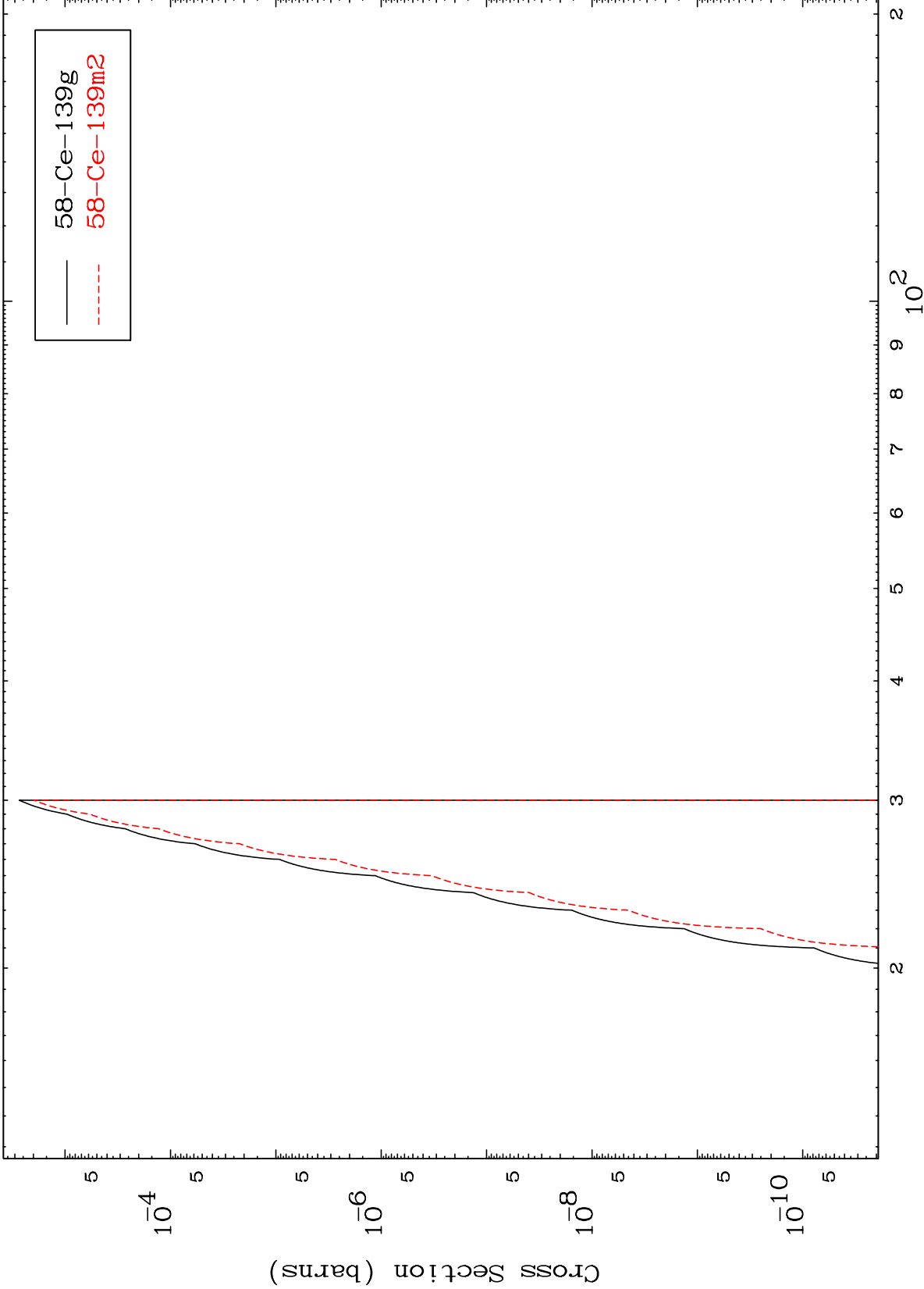


MAT 6034

(n,3n)  $\alpha$

60-Nd-145

Radionuclide Production Cross Section



132

Incident Energy (MeV)

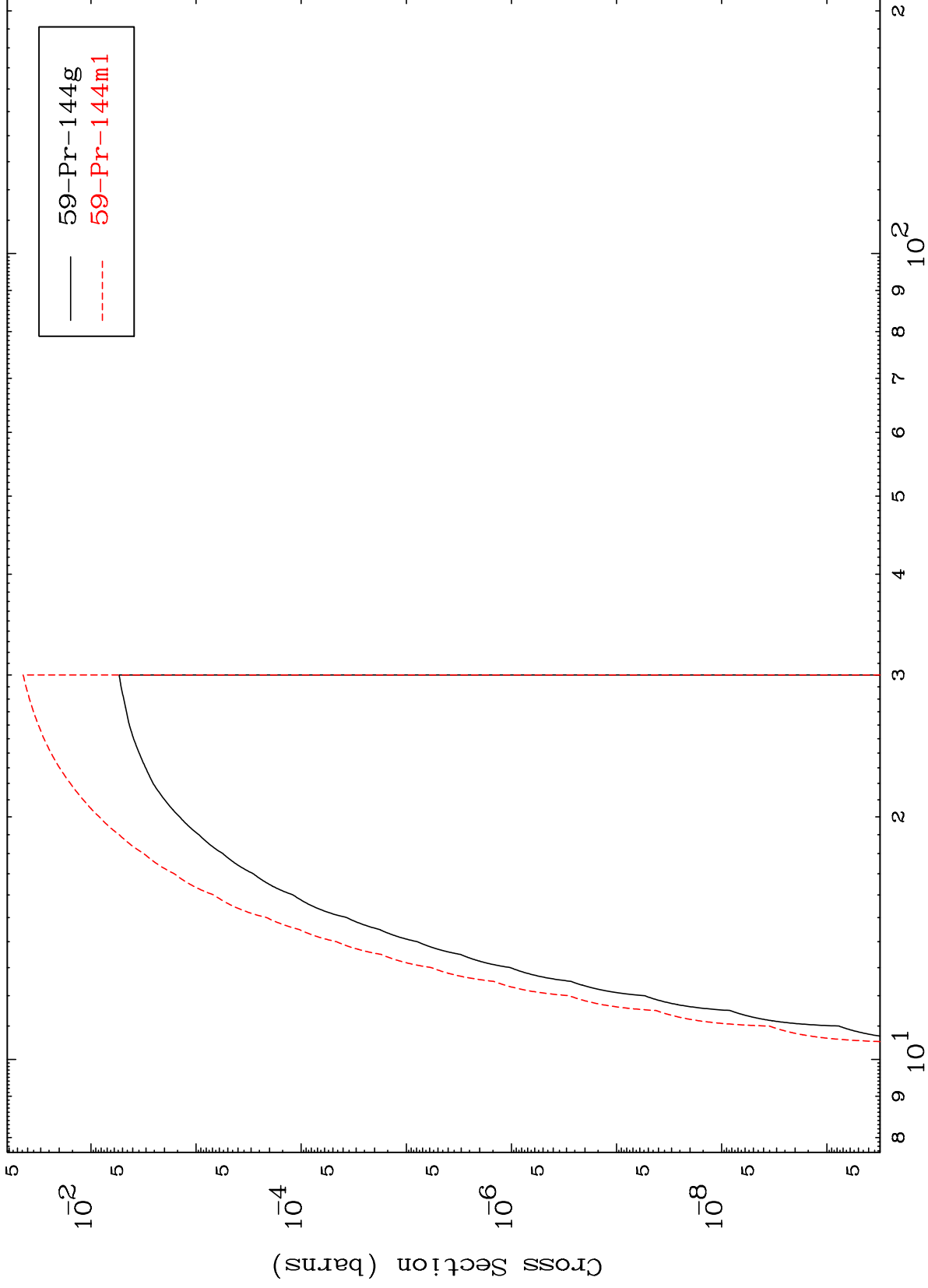
60-Nd-145

MAT 6034

(n,n') p

60-Nd-145

Radionuclide Production Cross Section



133

Incident Energy (MeV)

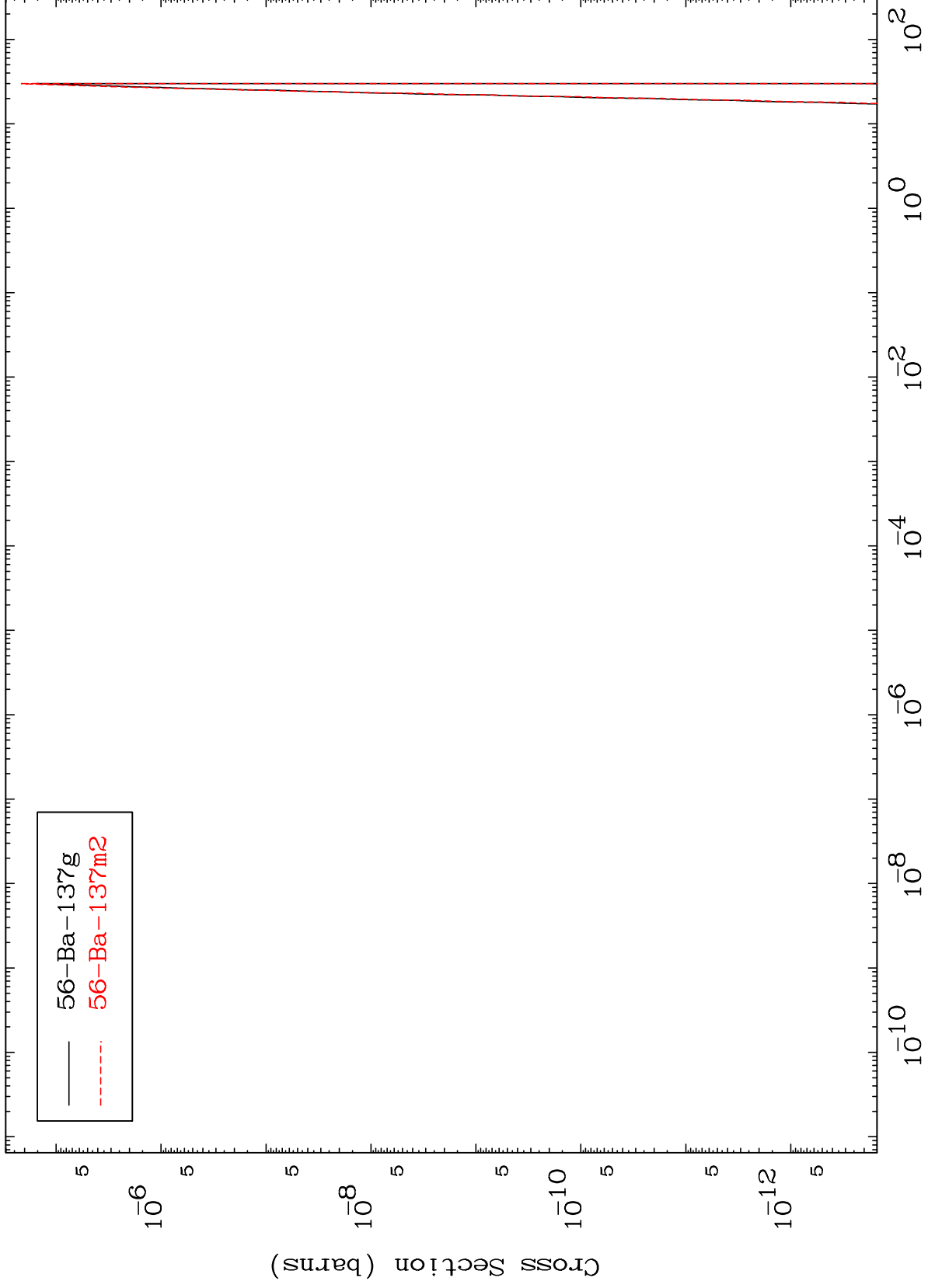
60-Nd-145

MAT 6034

(n,n') 2 $\alpha$

60-Nd-145

Radionuclide Production Cross Section

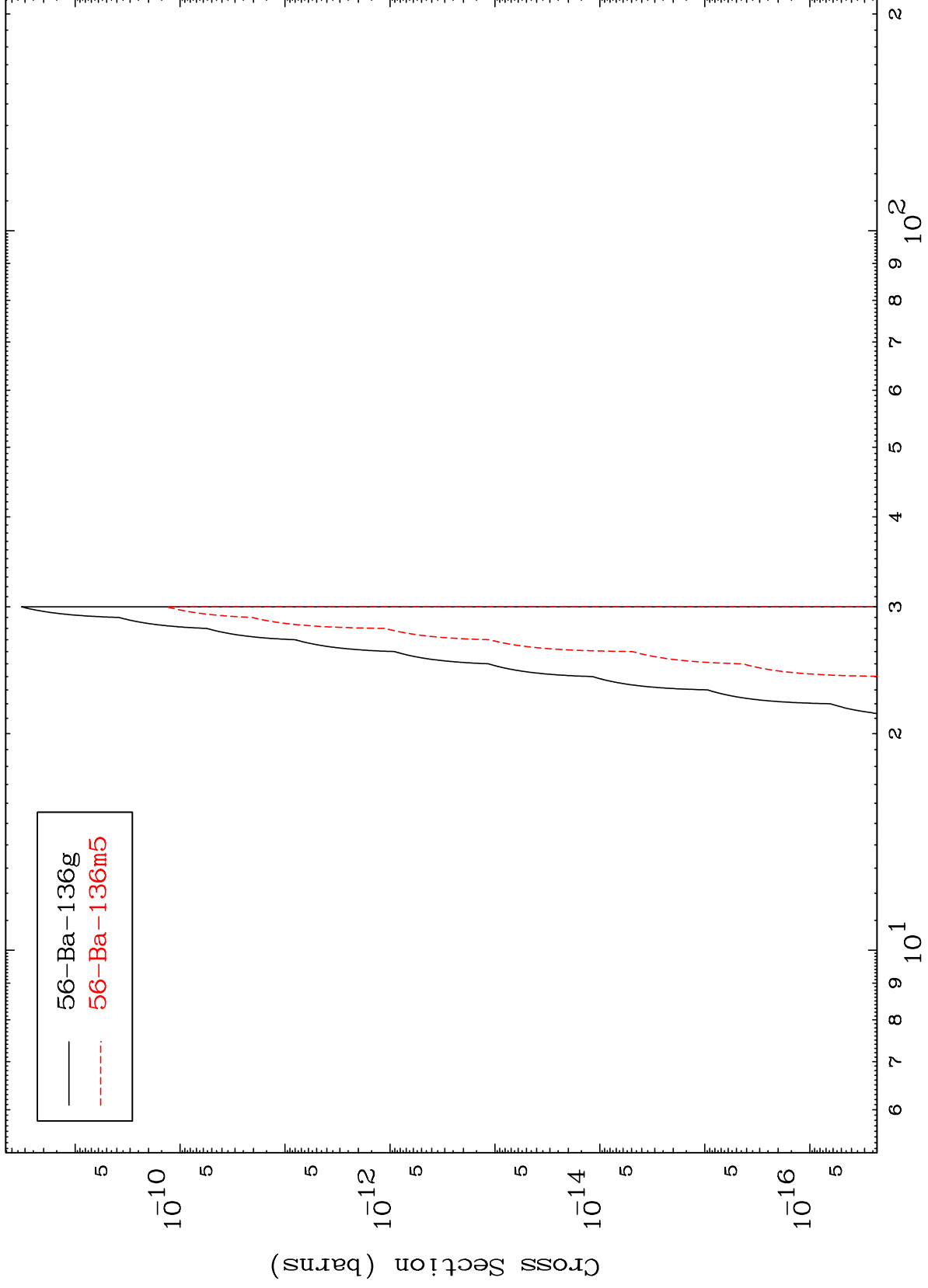


MAT 6034

$(n, 2n) 2\alpha$

$^{60}\text{Nd}-145$

Radionuclide Production Cross Section



135

Incident Energy (MeV)

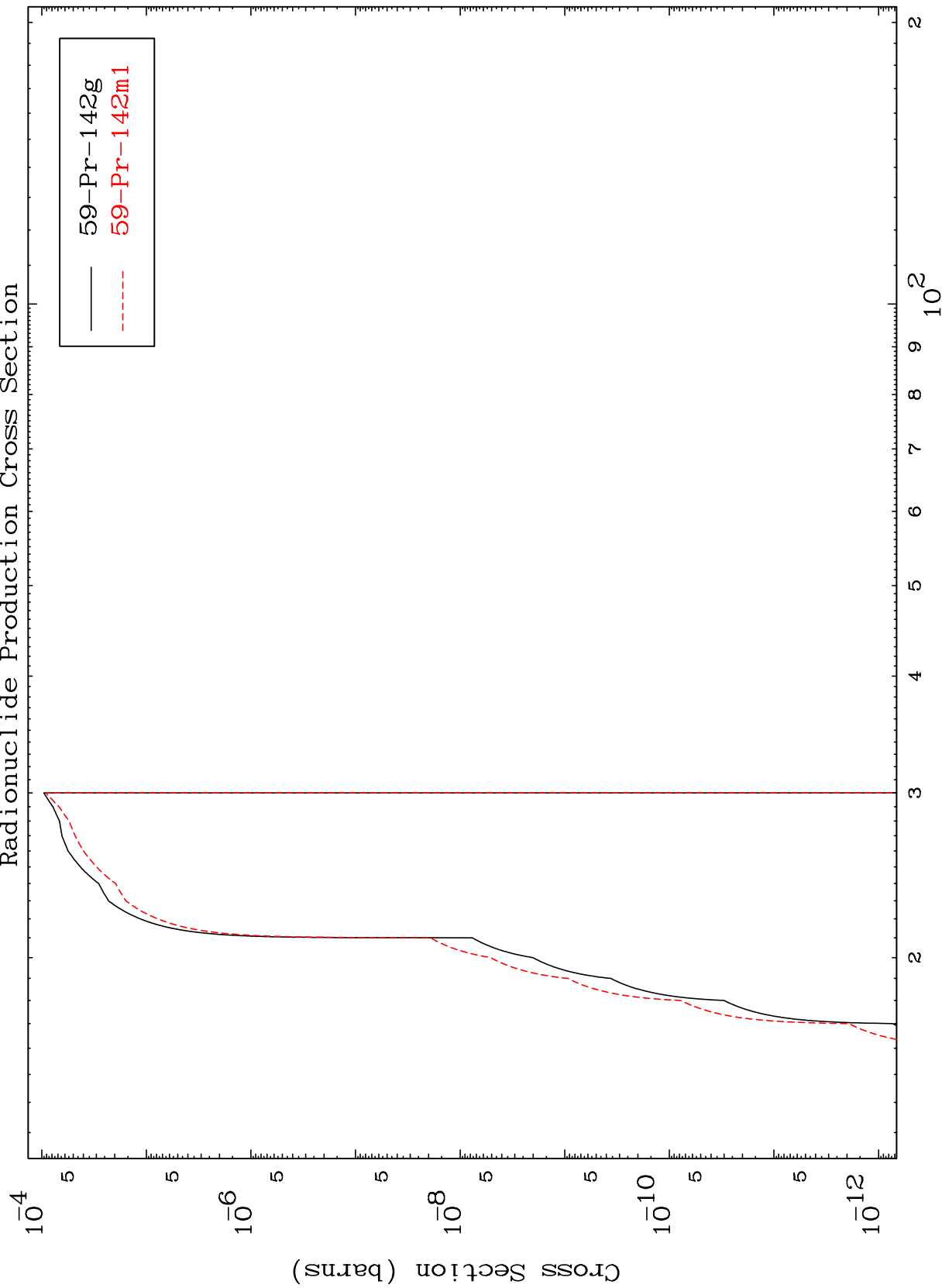
$^{60}\text{Nd}-145$

MAT 6034

(n,n') t

60-Nd-145

Radionuclide Production Cross Section



136

Incident Energy (MeV)

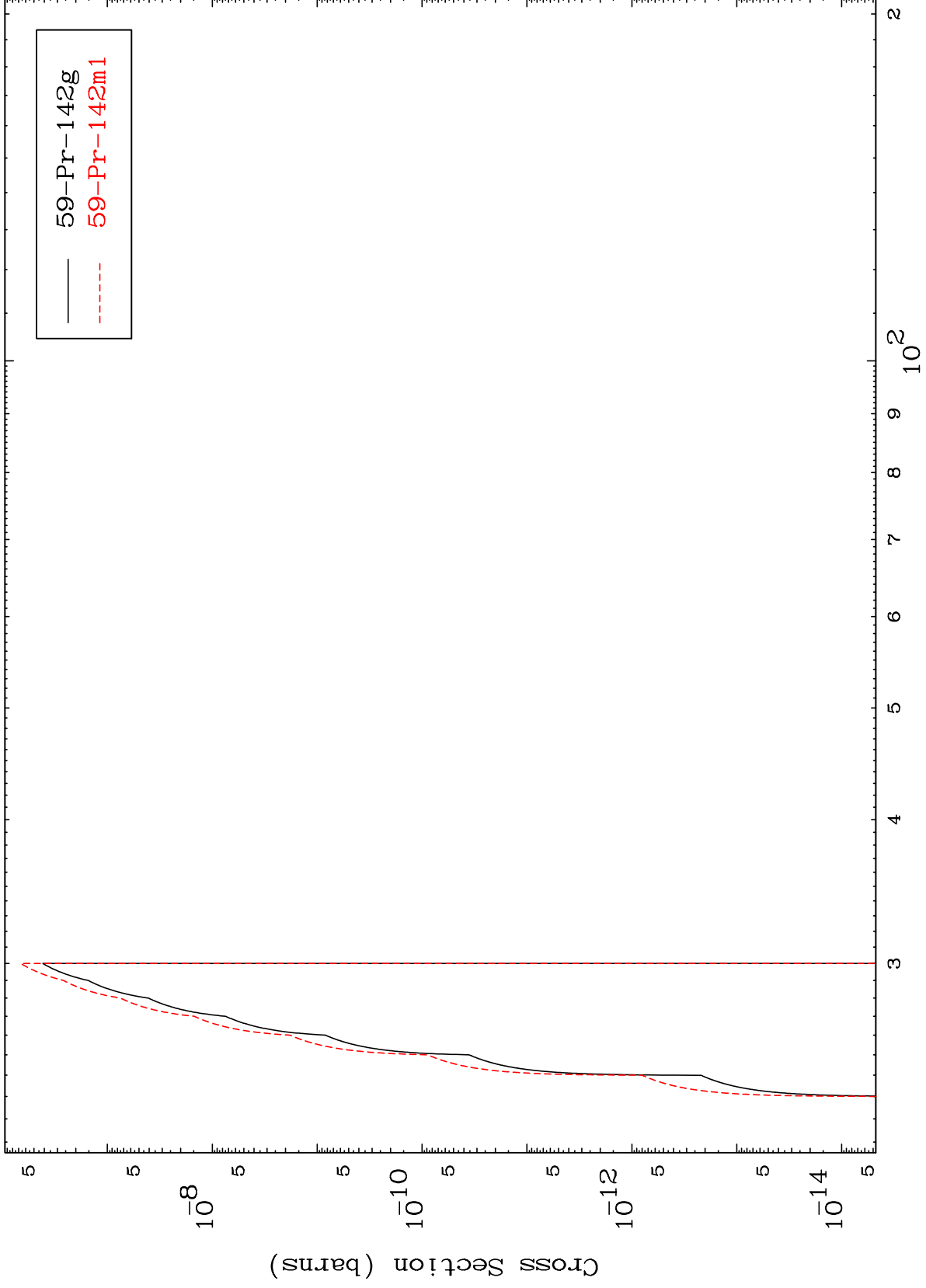
60-Nd-145

MAT 6034

(n,3n) p

60-Nd-145

Radionuclide Production Cross Section



137

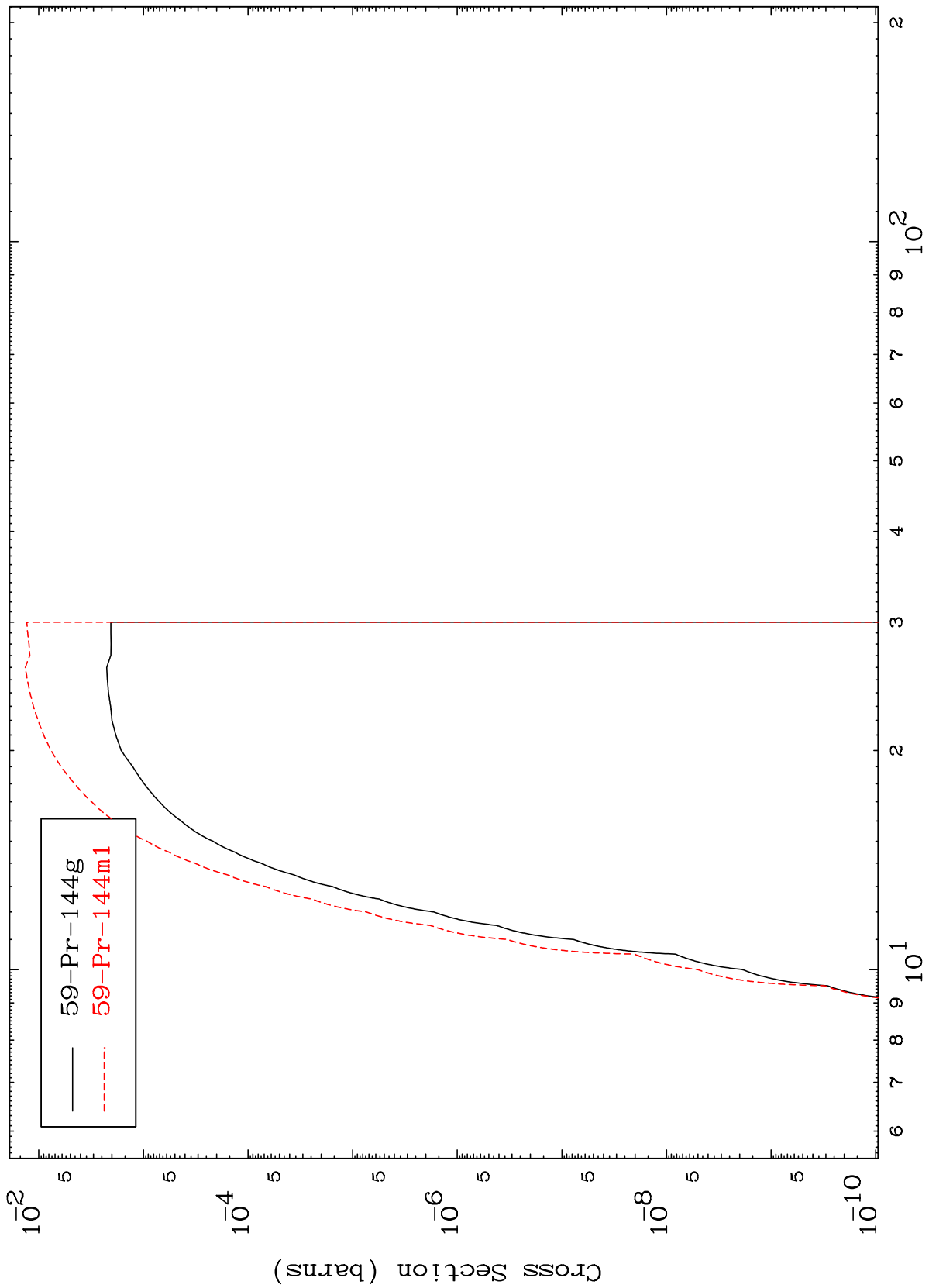
Incident Energy (MeV)

60-Nd-145

MAT 6034

60-Nd-145

(n,d)  
Radionuclide Production Cross Section



59-Pr-144g  
59-Pr-144m1

60-Nd-145

Incident Energy (MeV)

138