

Program EVALPLOT  
(Version 2021-1)

by

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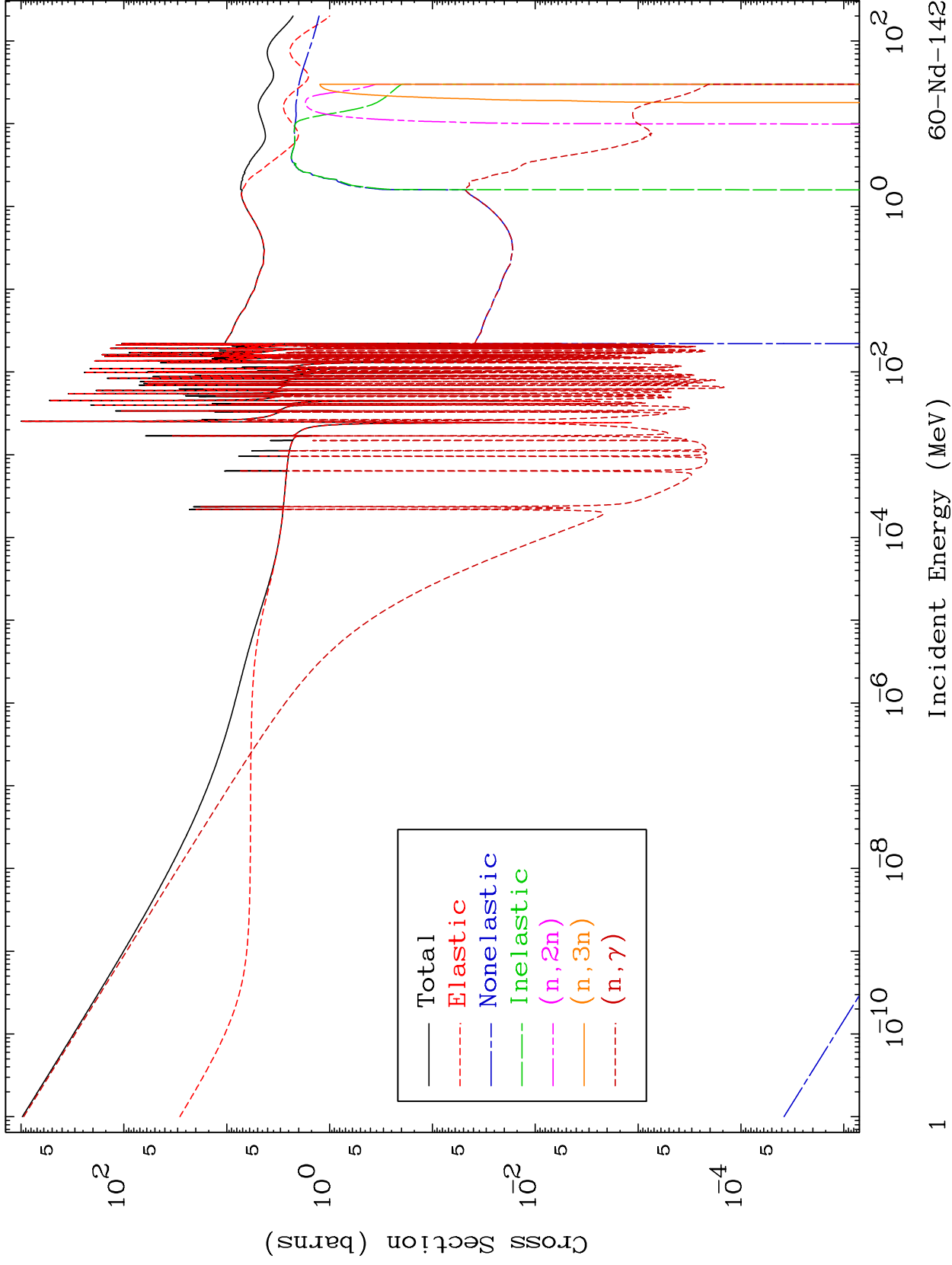
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Press Mouse Button to Start

MAT 6025

Neutron Major  
293 Kelvin Cross Sections

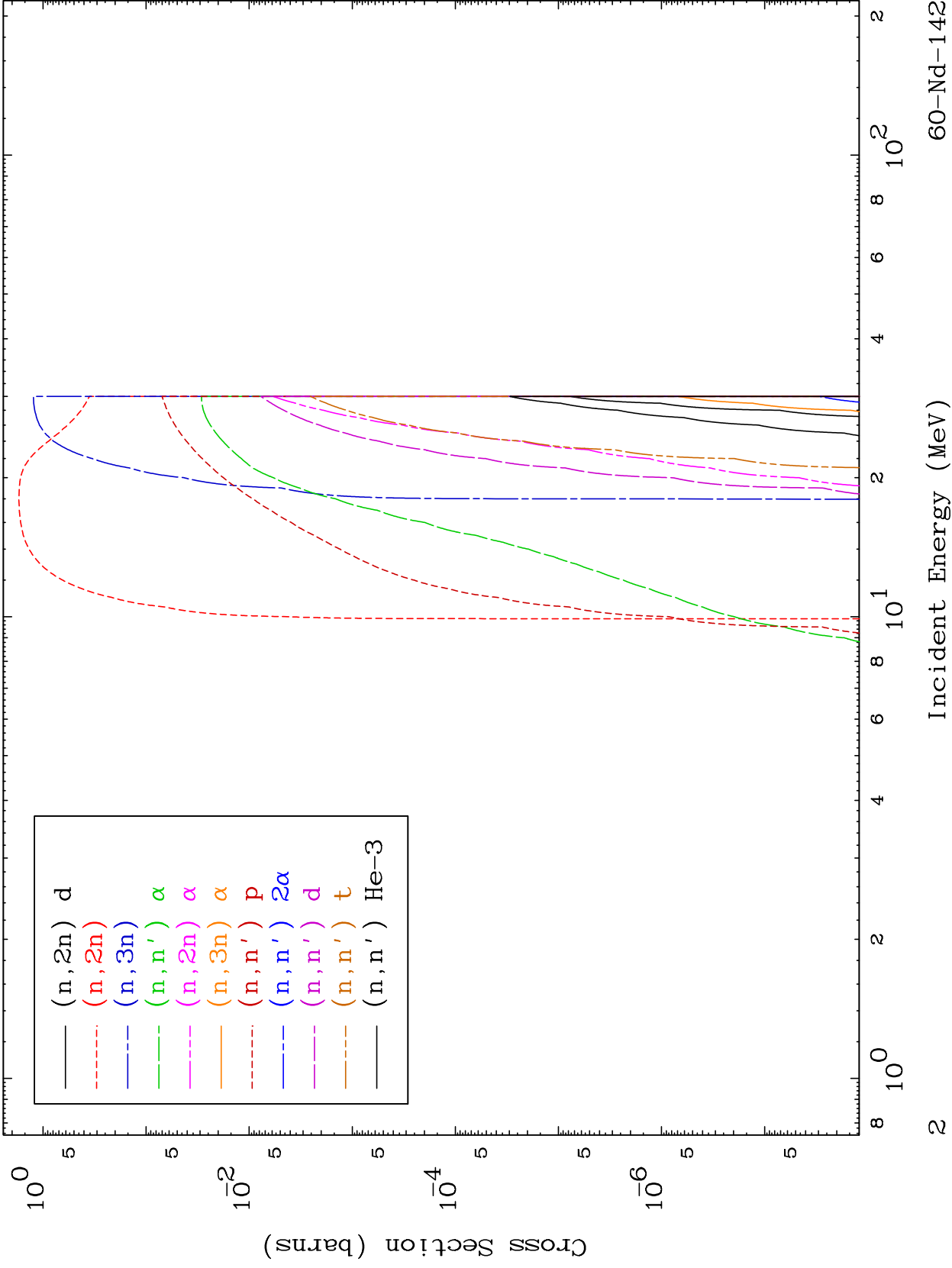
60-Nd-142



MAT 6025

Neutron Absorption  
293 Kelvin Cross Sections

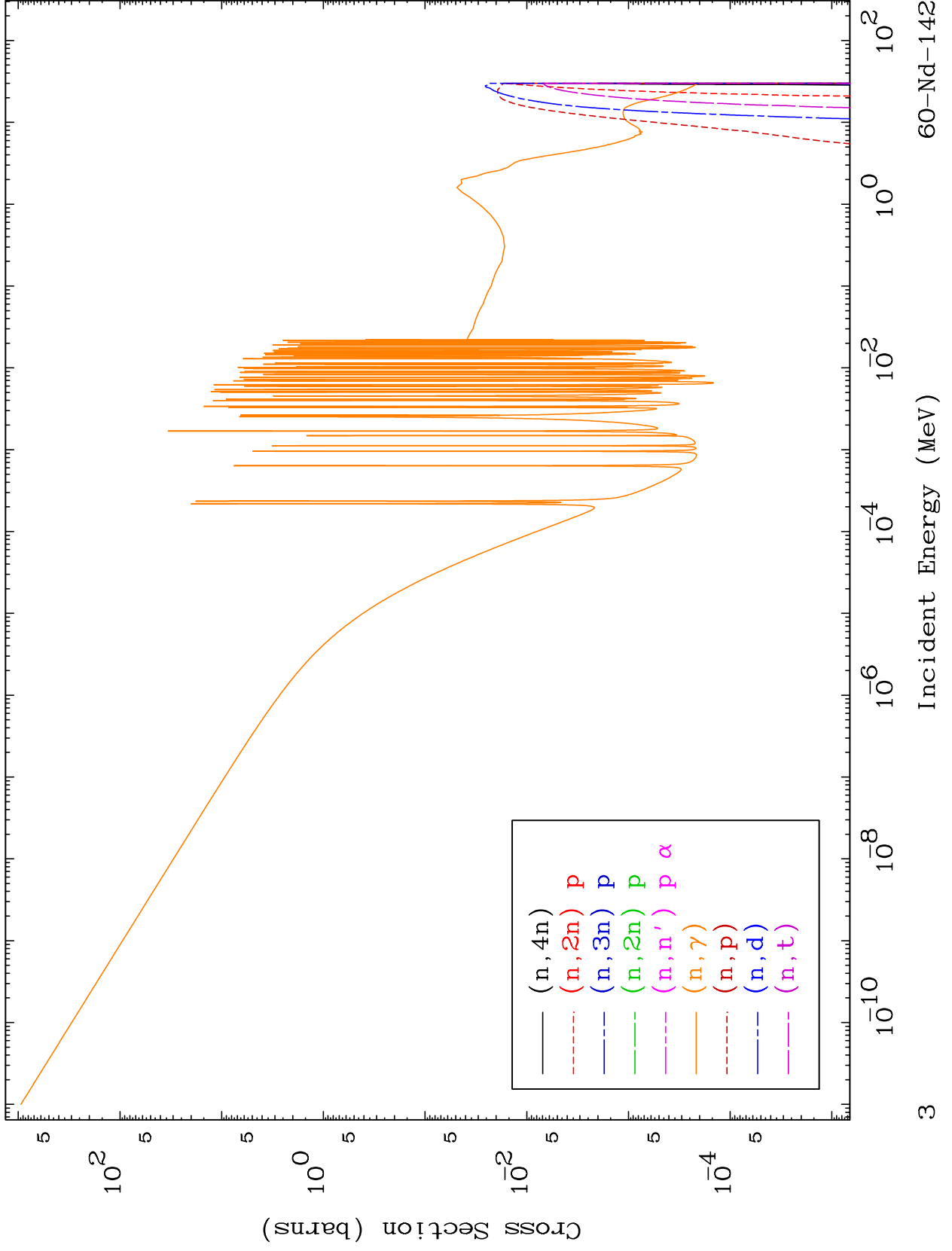
60-Nd-142



MAT 6025

Neutron Absorption  
293 Kelvin Cross Sections

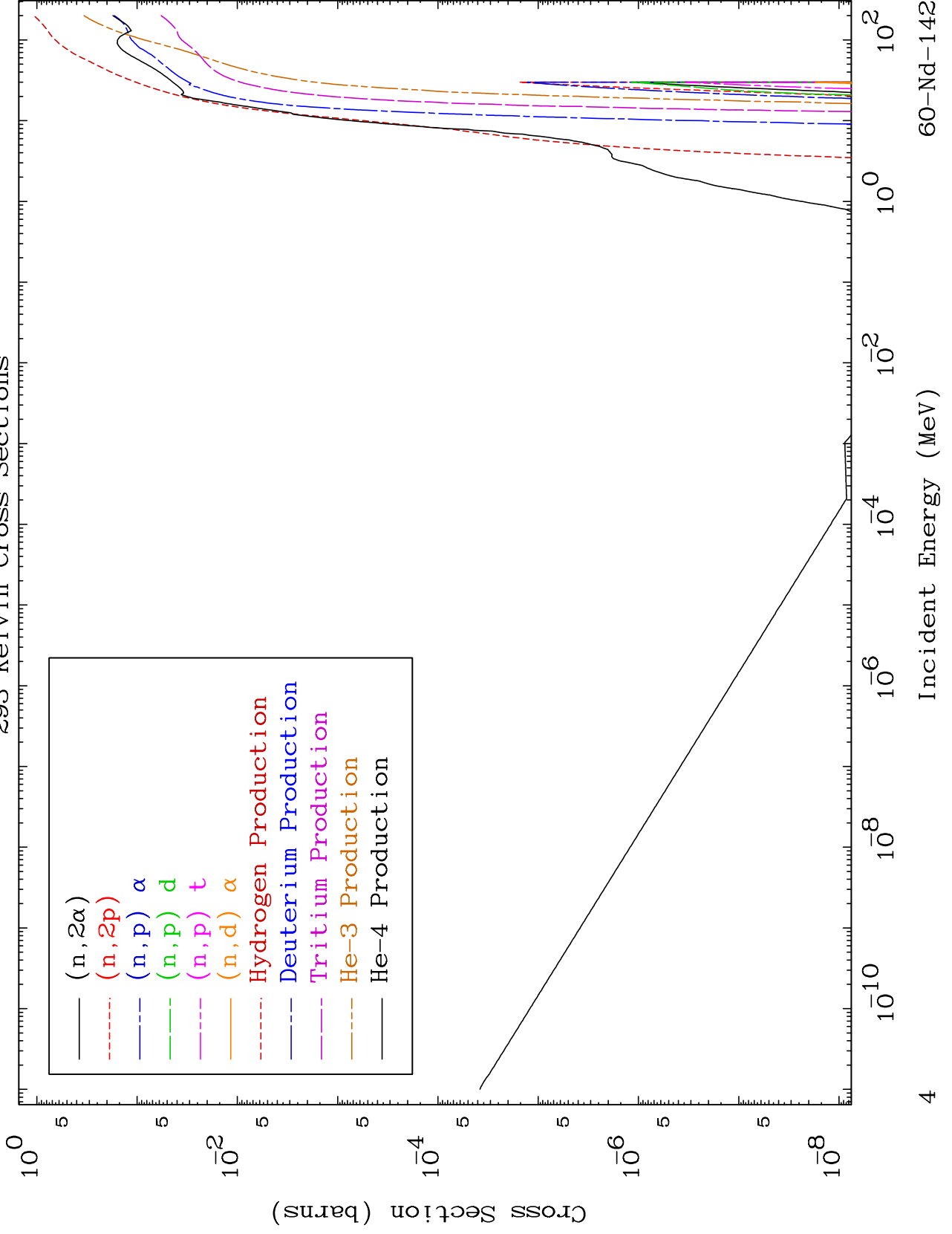
60-Nd-142



MAT 6025

Neutron Absorption  
293 Kelvin Cross Sections

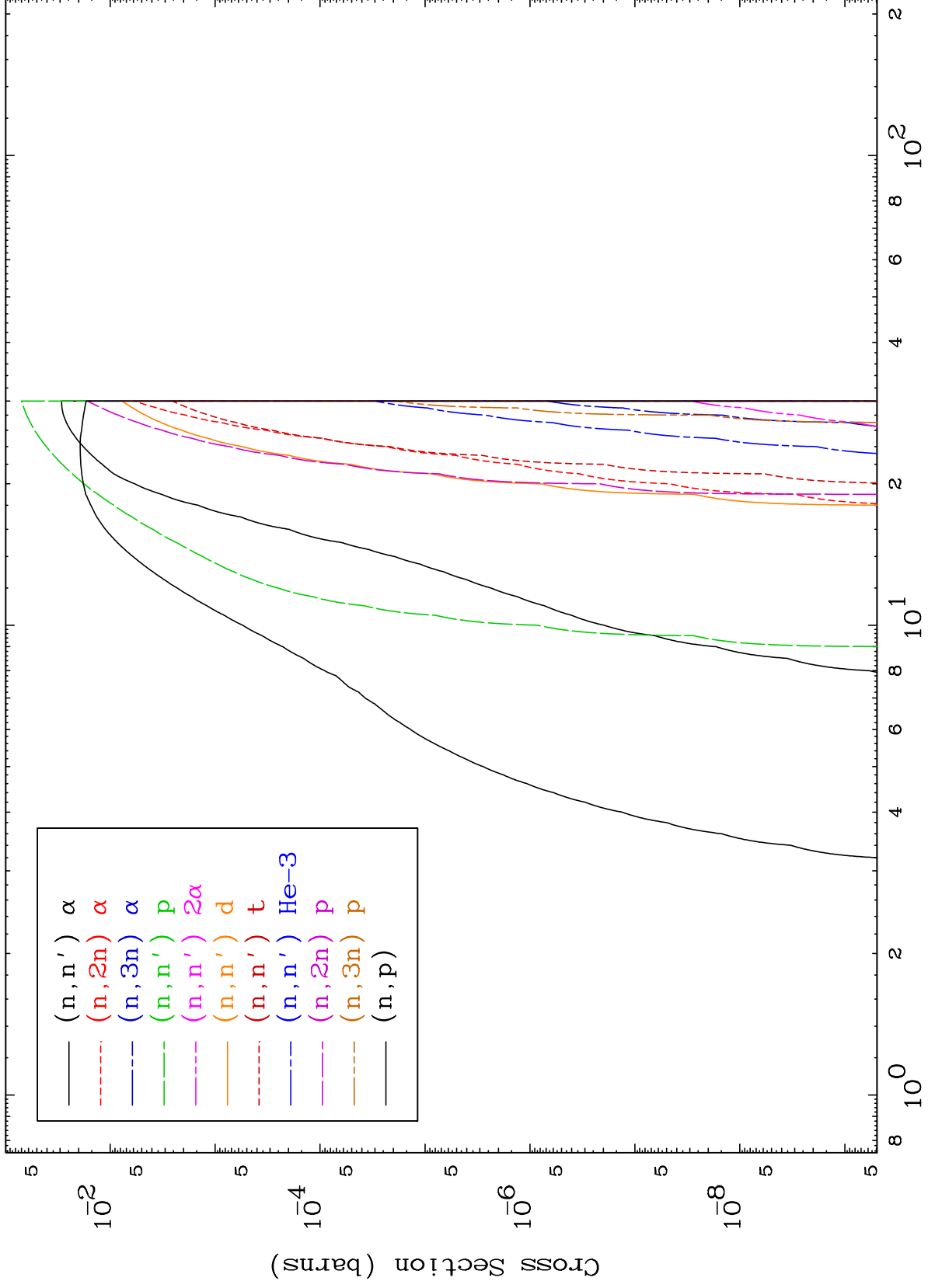
60-Nd-142



MAT 6025

Charged Particle  
293 Kelvin Cross Sections

60-Nd-142



60-Nd-142

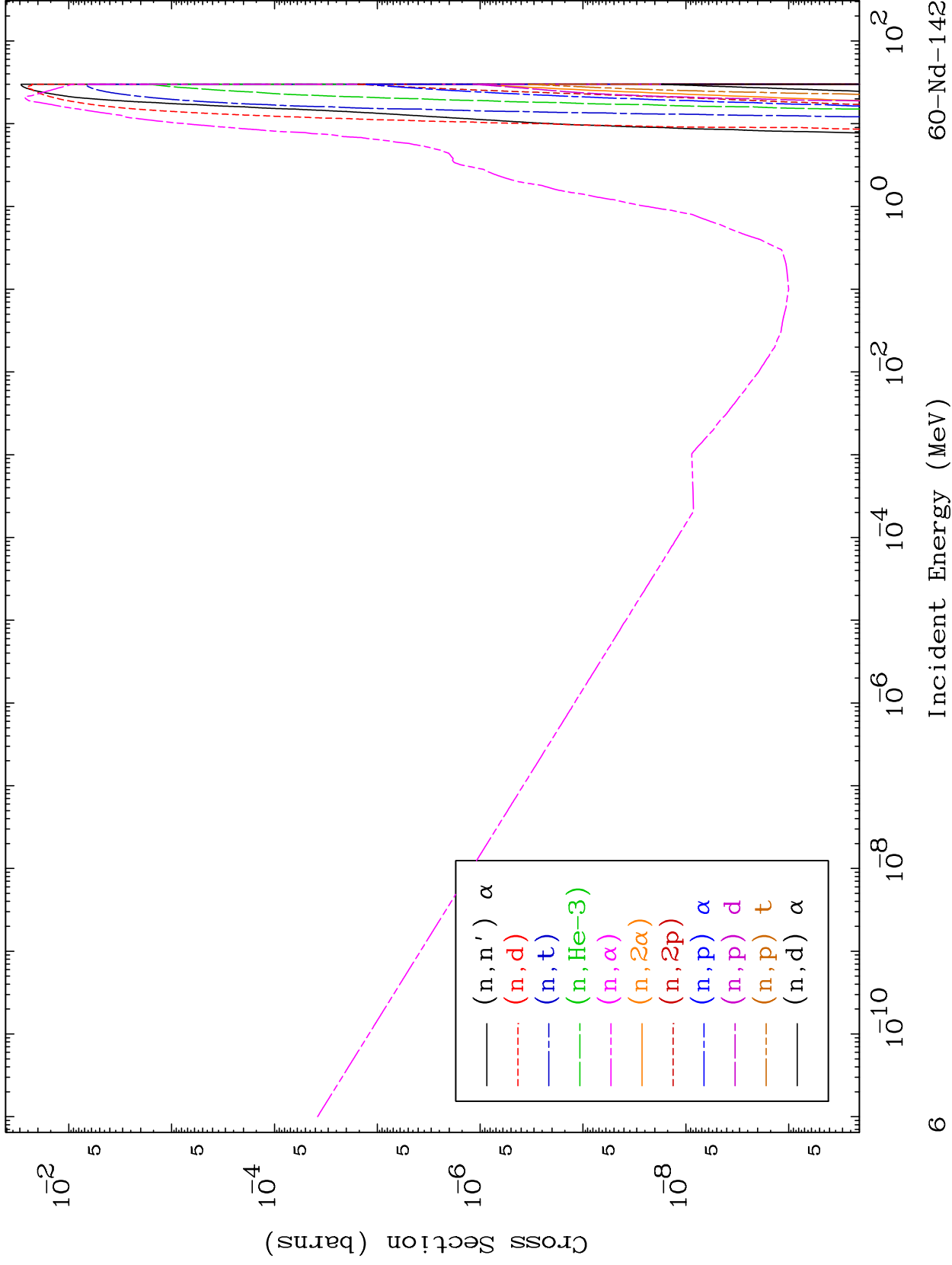
Incident Energy (MeV)

5

MAT 6025

Charged Particle  
293 Kelvin Cross Sections

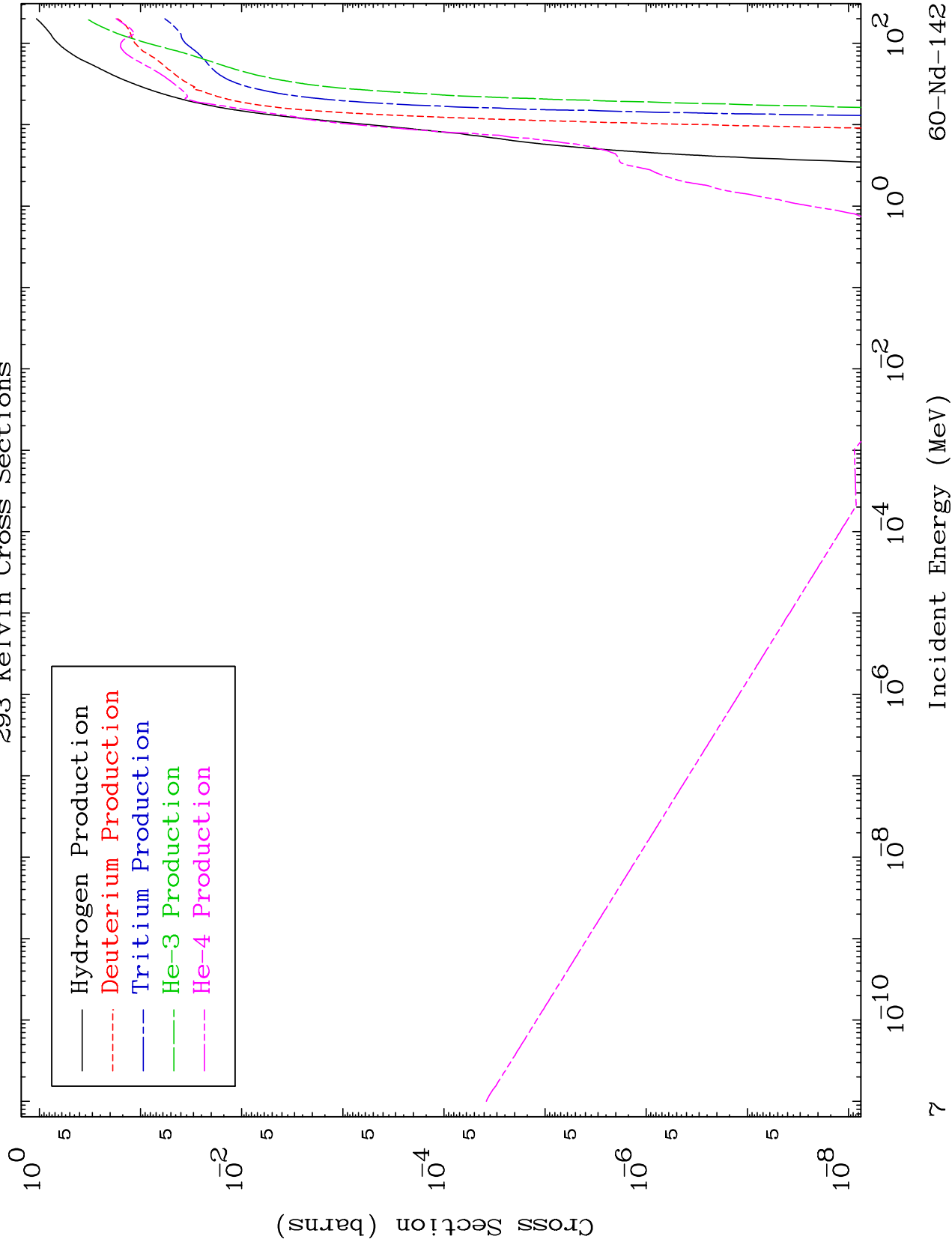
60-Nd-142



MAT 6025

Particle Production  
293 Kelvin Cross Sections

60-Nd-142



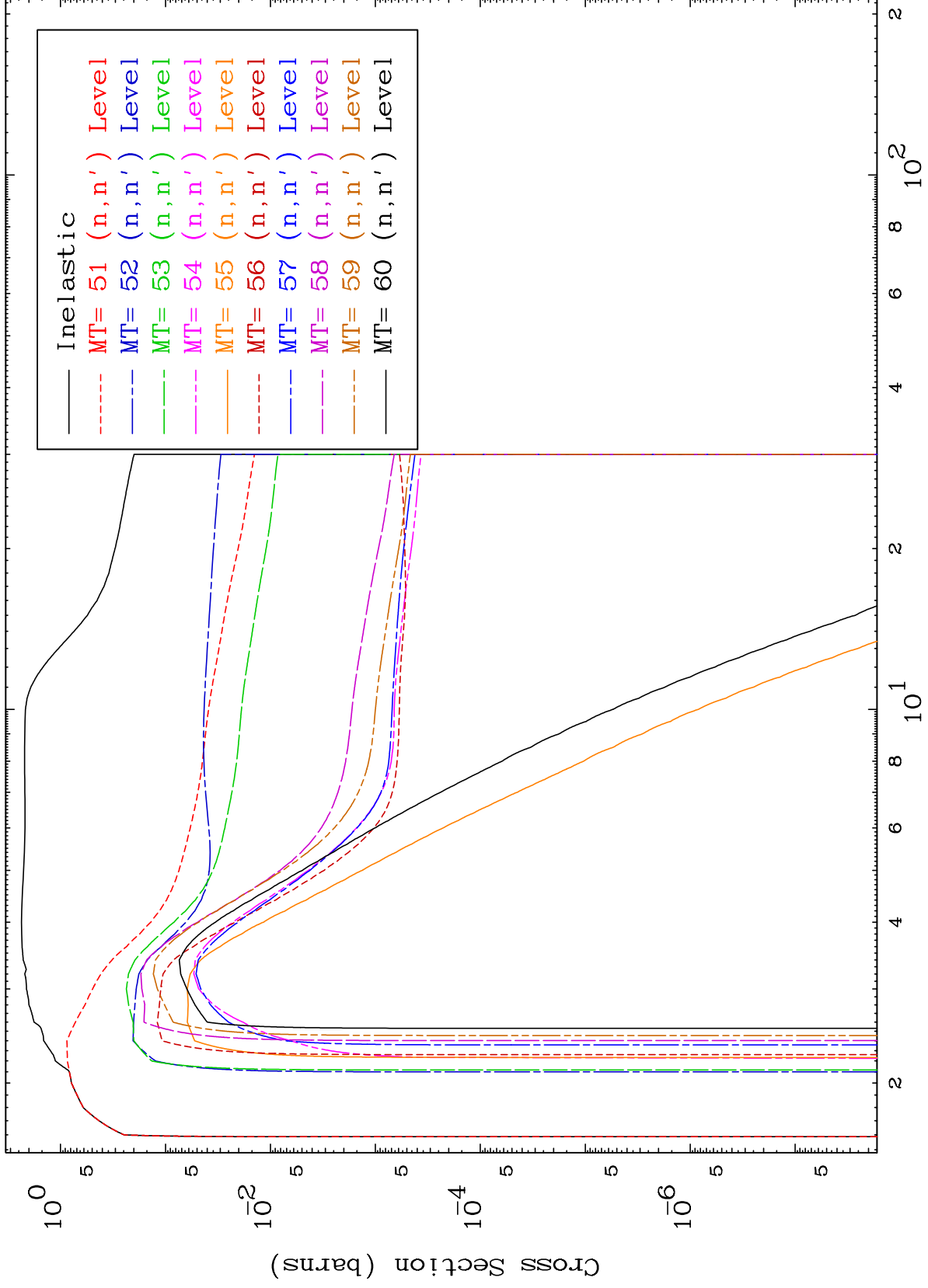


MAT 6025

(n,n') Levels

293 Kelvin Cross Sections

60-Nd-142



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Incident Energy (MeV)

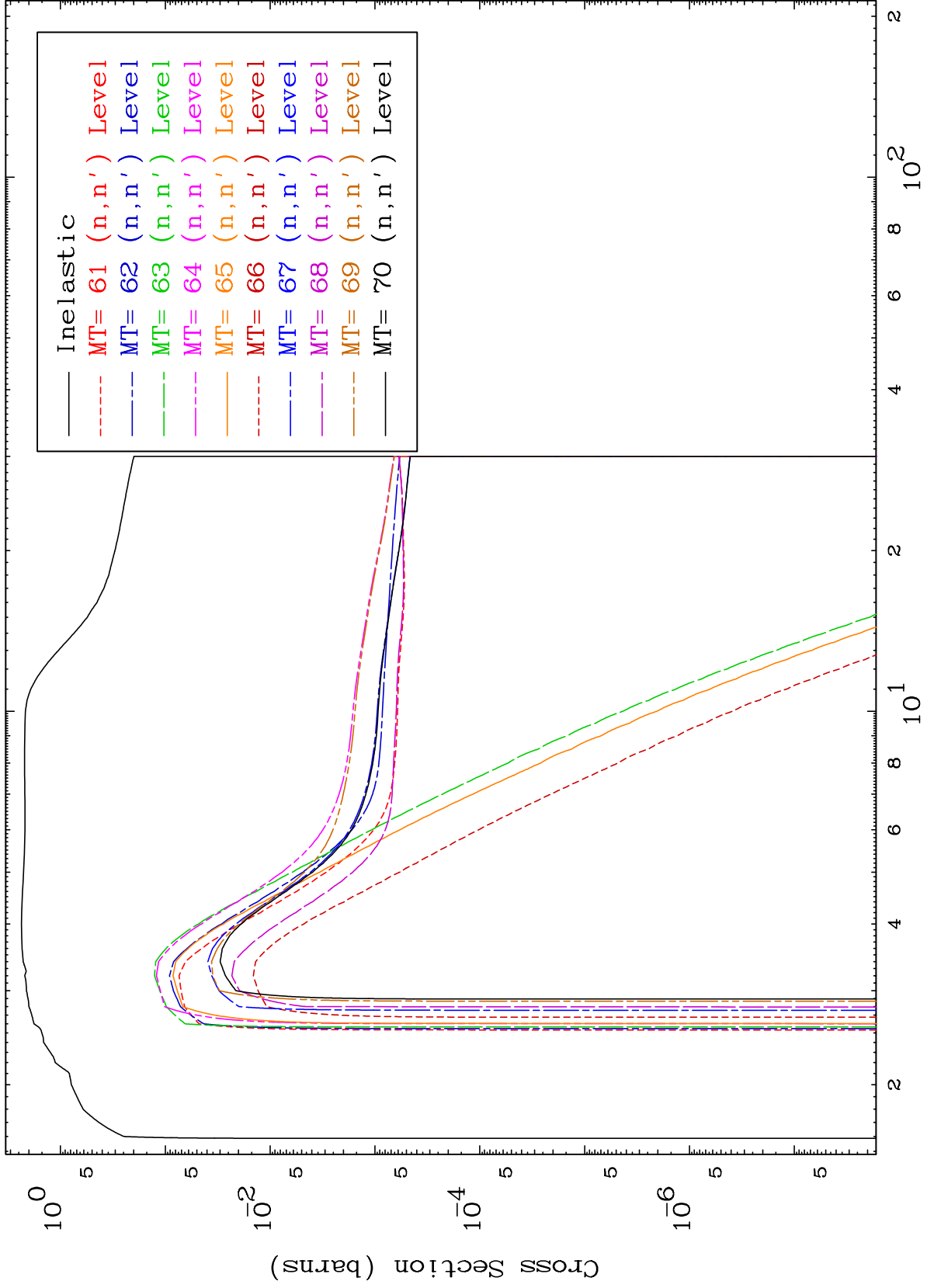
60-Nd-142

MAT 6025

(n,n') Levels

60-Nd-142

293 Kelvin Cross Sections



9

Incident Energy (MeV)

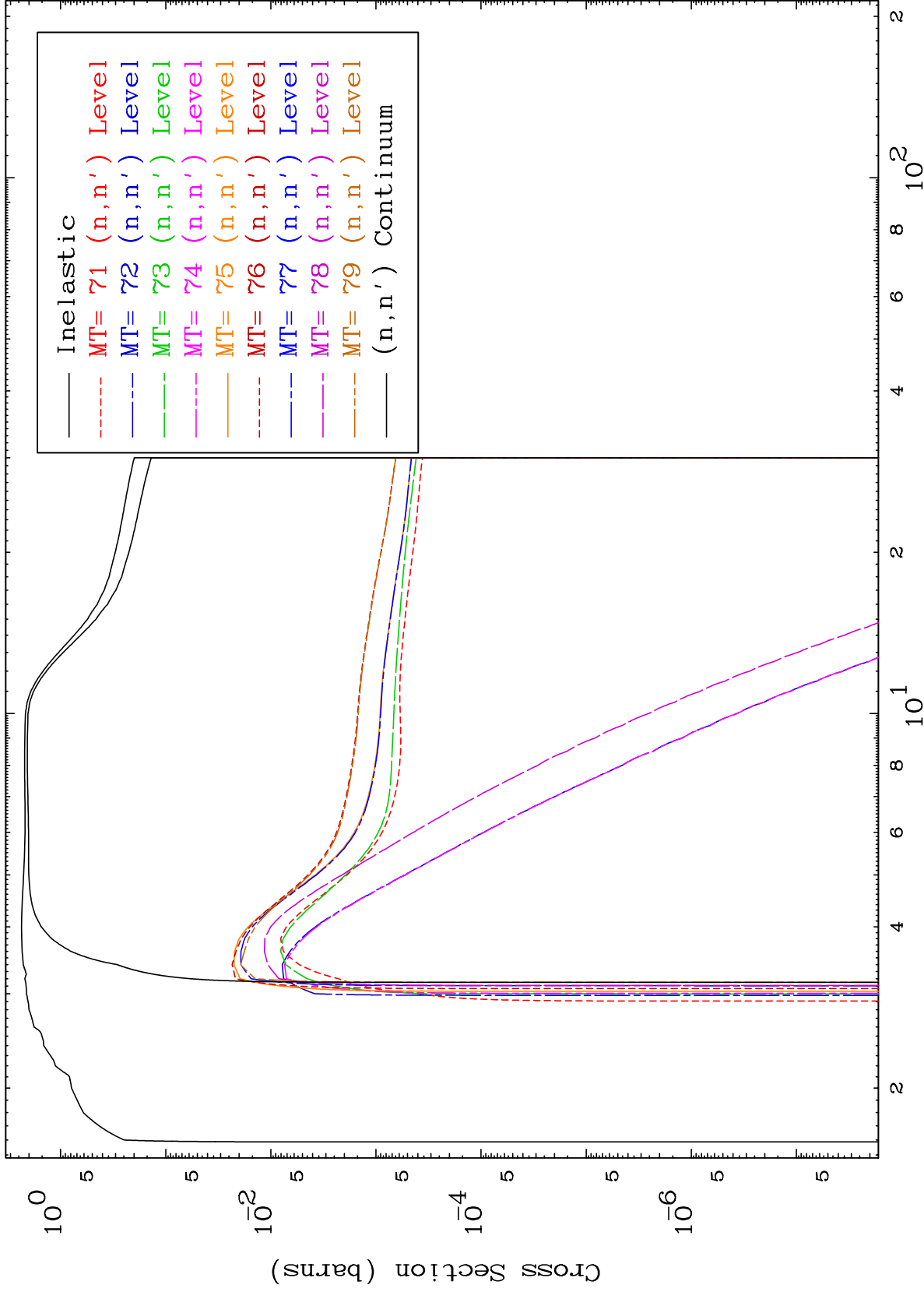
60-Nd-142

MAT 6025

(n,n') Levels

60-Nd-142

293 Kelvin Cross Sections



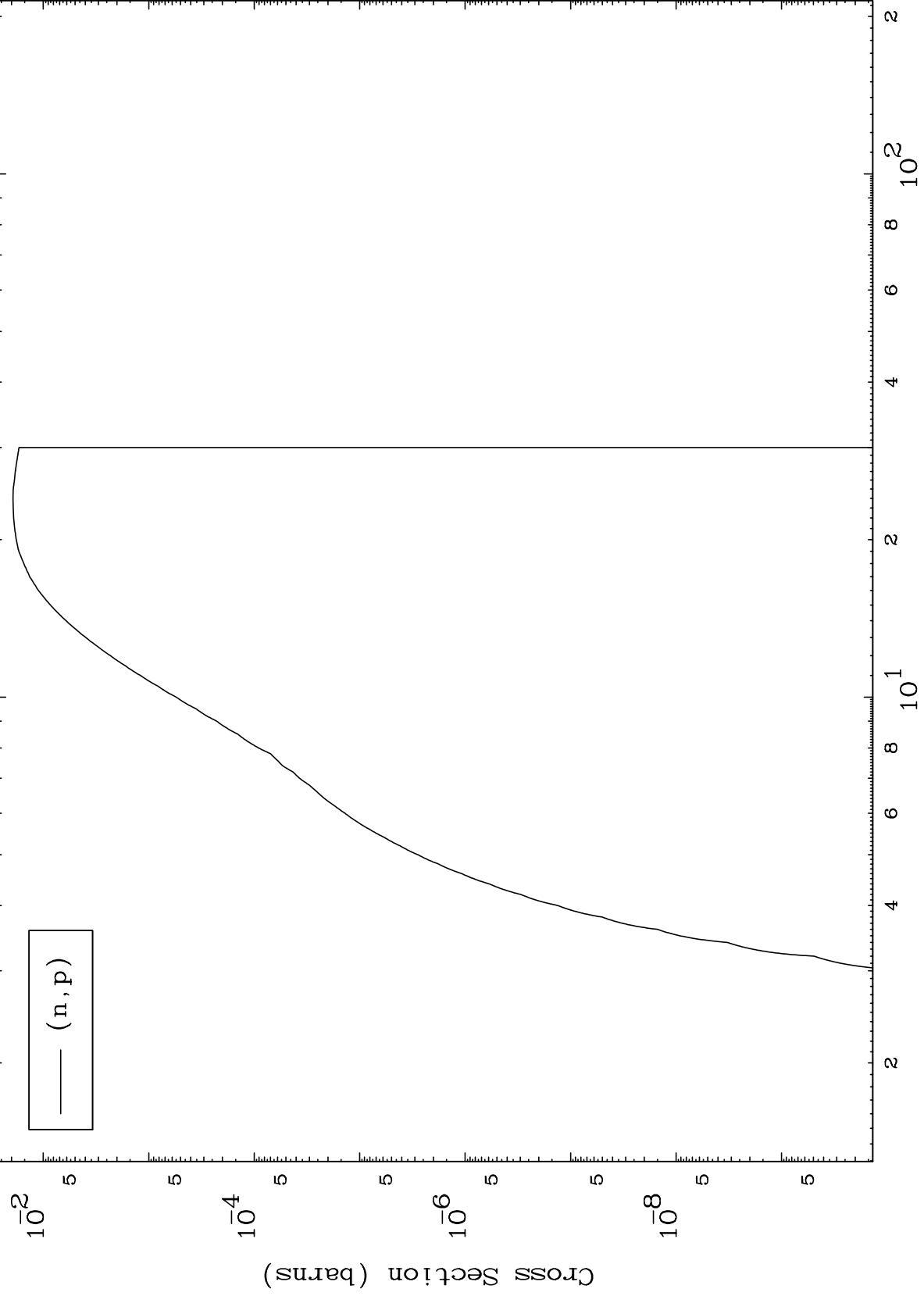
Incident Energy (MeV)

60-Nd-142

MAT 6025

(n,p) Levels  
293 Kelvin Cross Sections

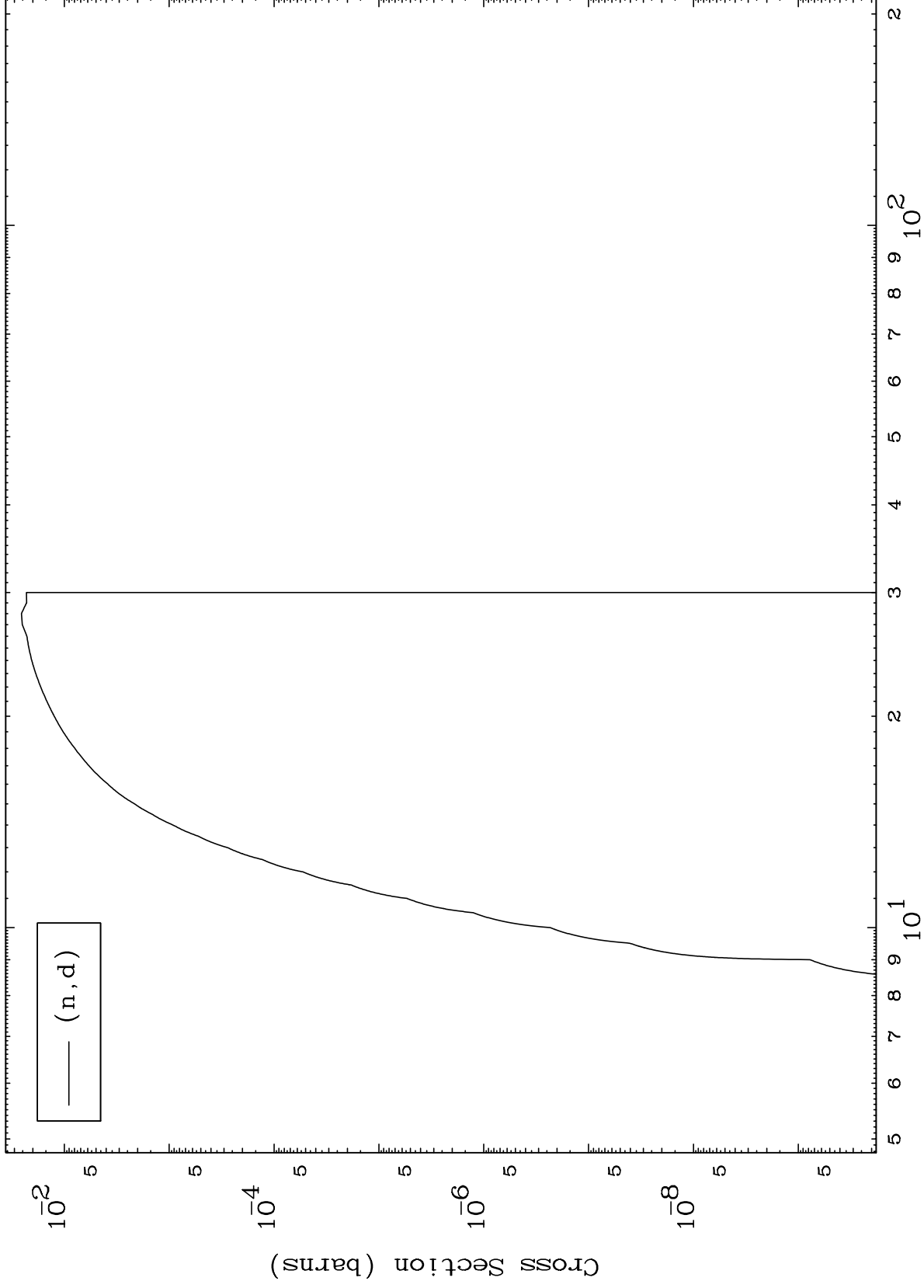
60-Nd-142



MAT 6025

(n,d) Levels  
293 Kelvin Cross Sections

60-Nd-142



Incident Energy (MeV)

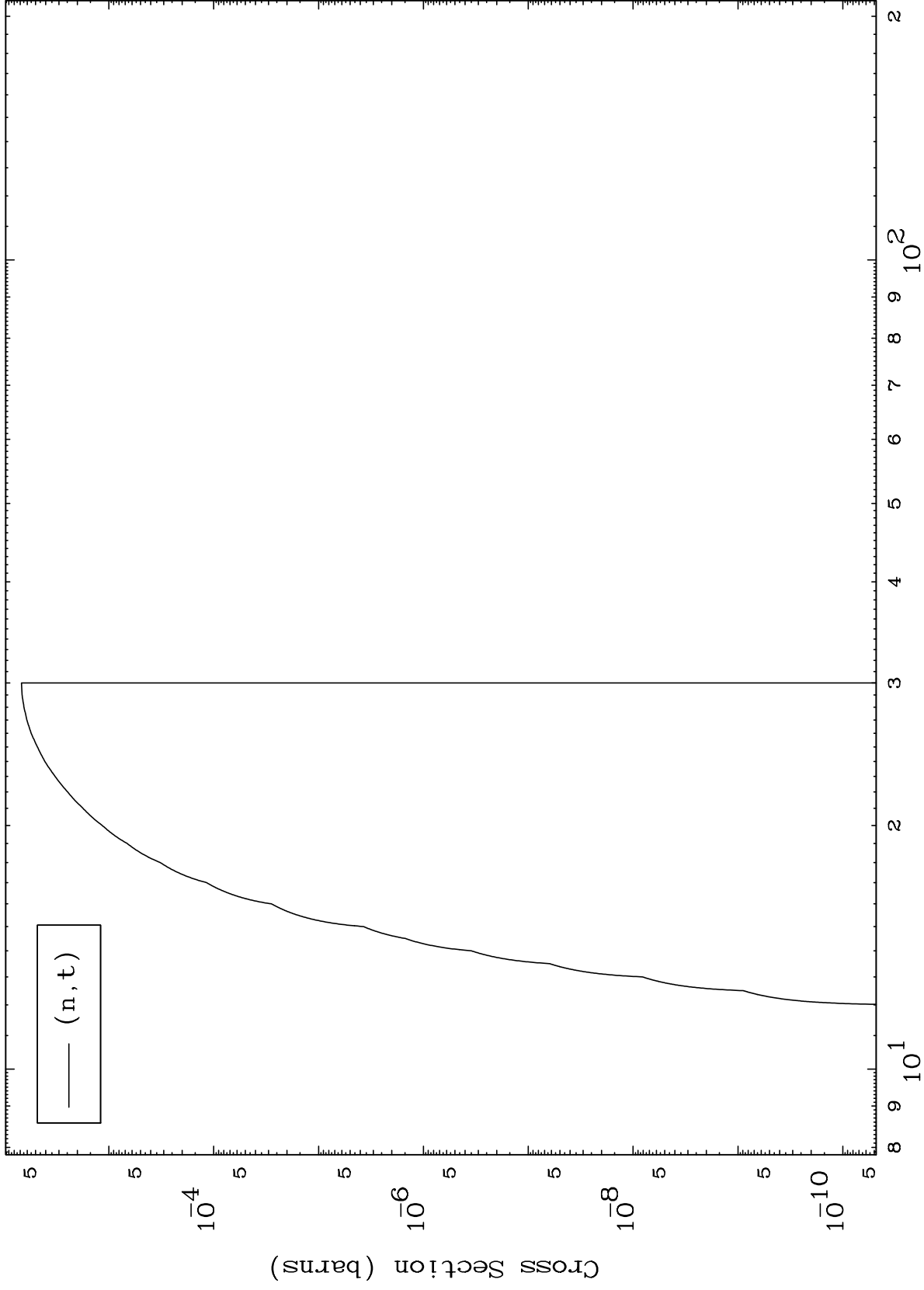
60-Nd-142

12

MAT 6025

(n,t) Levels  
293 Kelvin Cross Sections

60-Nd-142



13

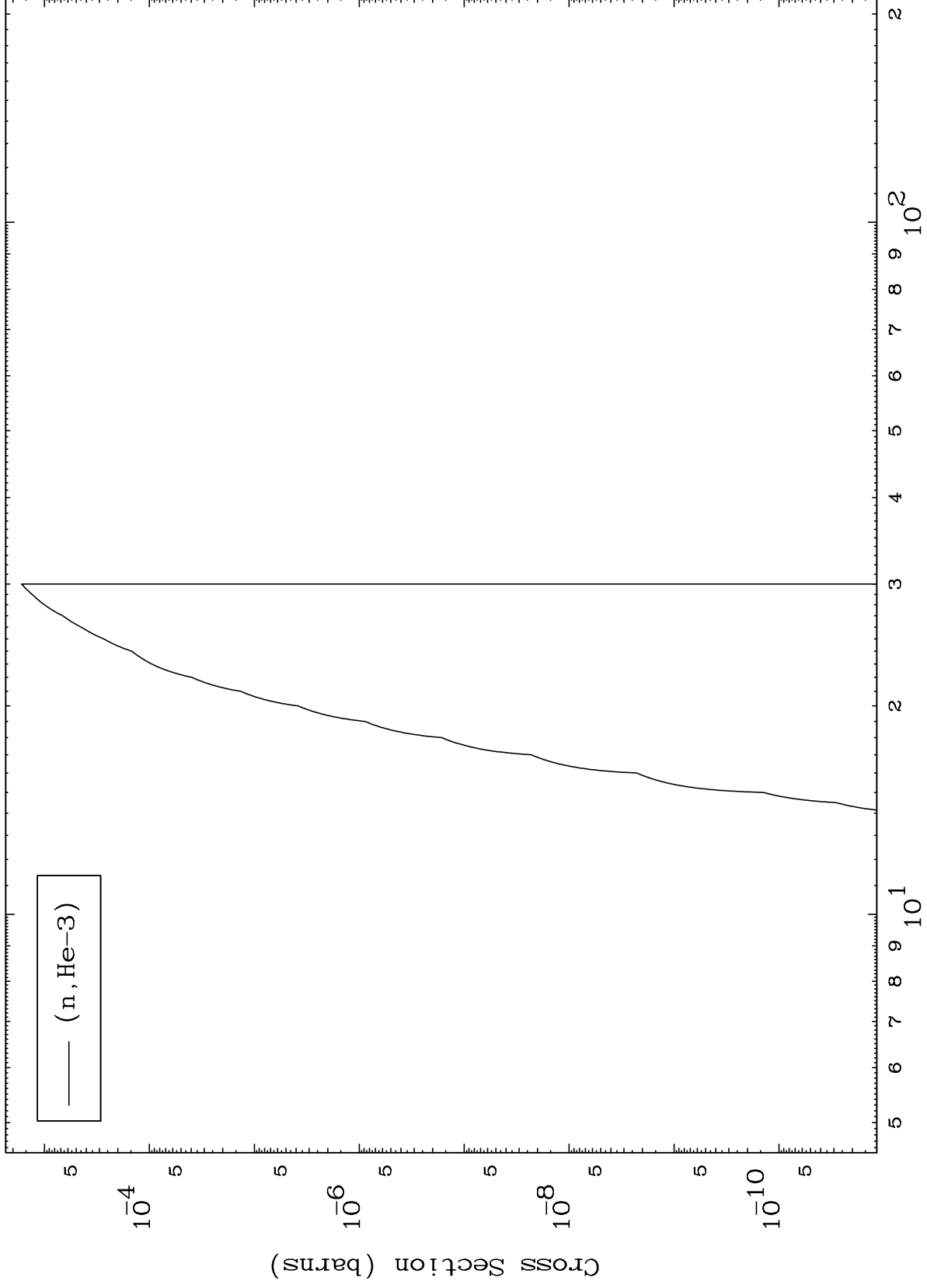
Incident Energy (MeV)

60-Nd-142

MAT 6025

(n,He3) Levels  
293 Kelvin Cross Sections

60-Nd-142



14

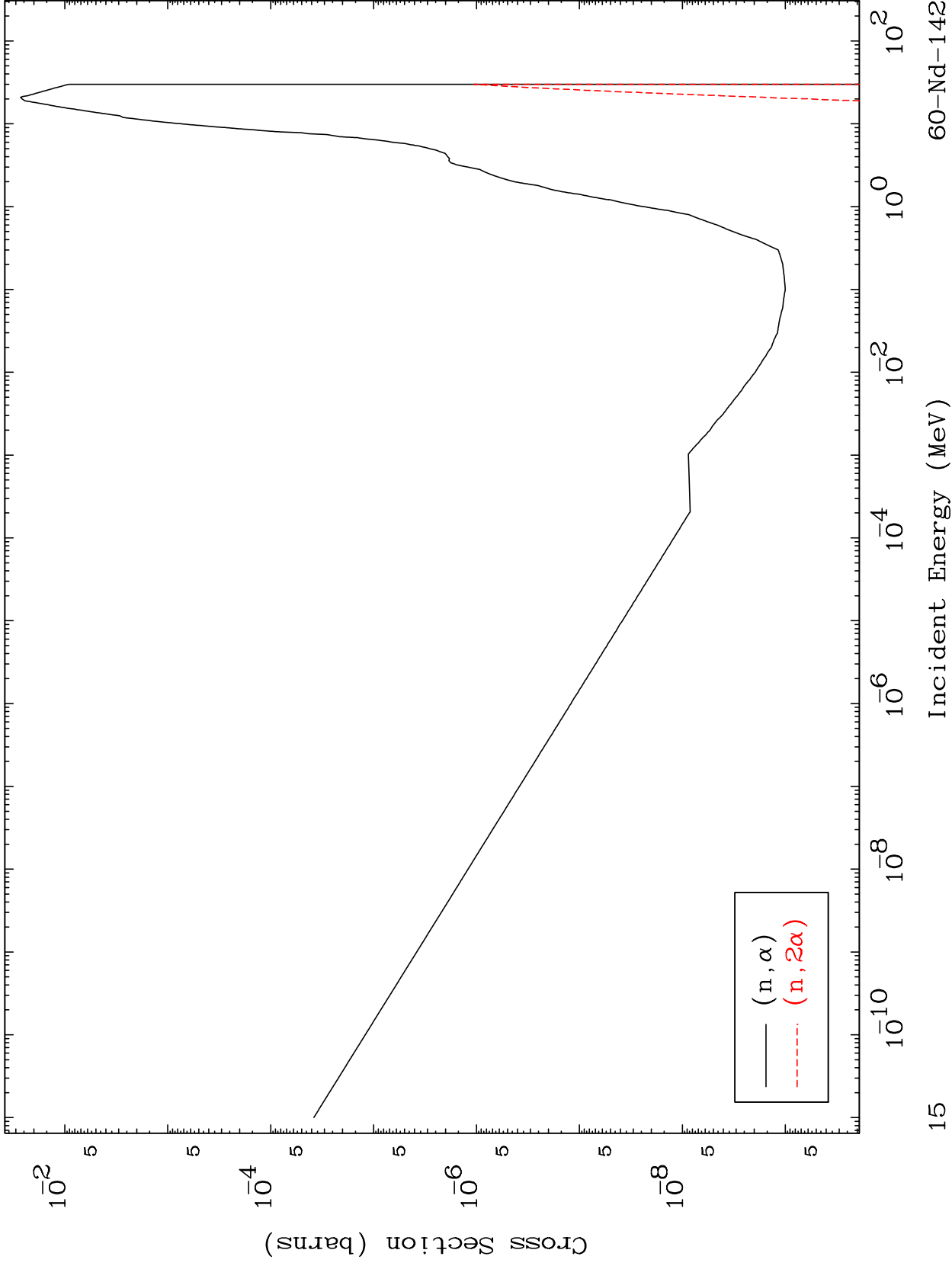
Incident Energy (MeV)

60-Nd-142

MAT 6025

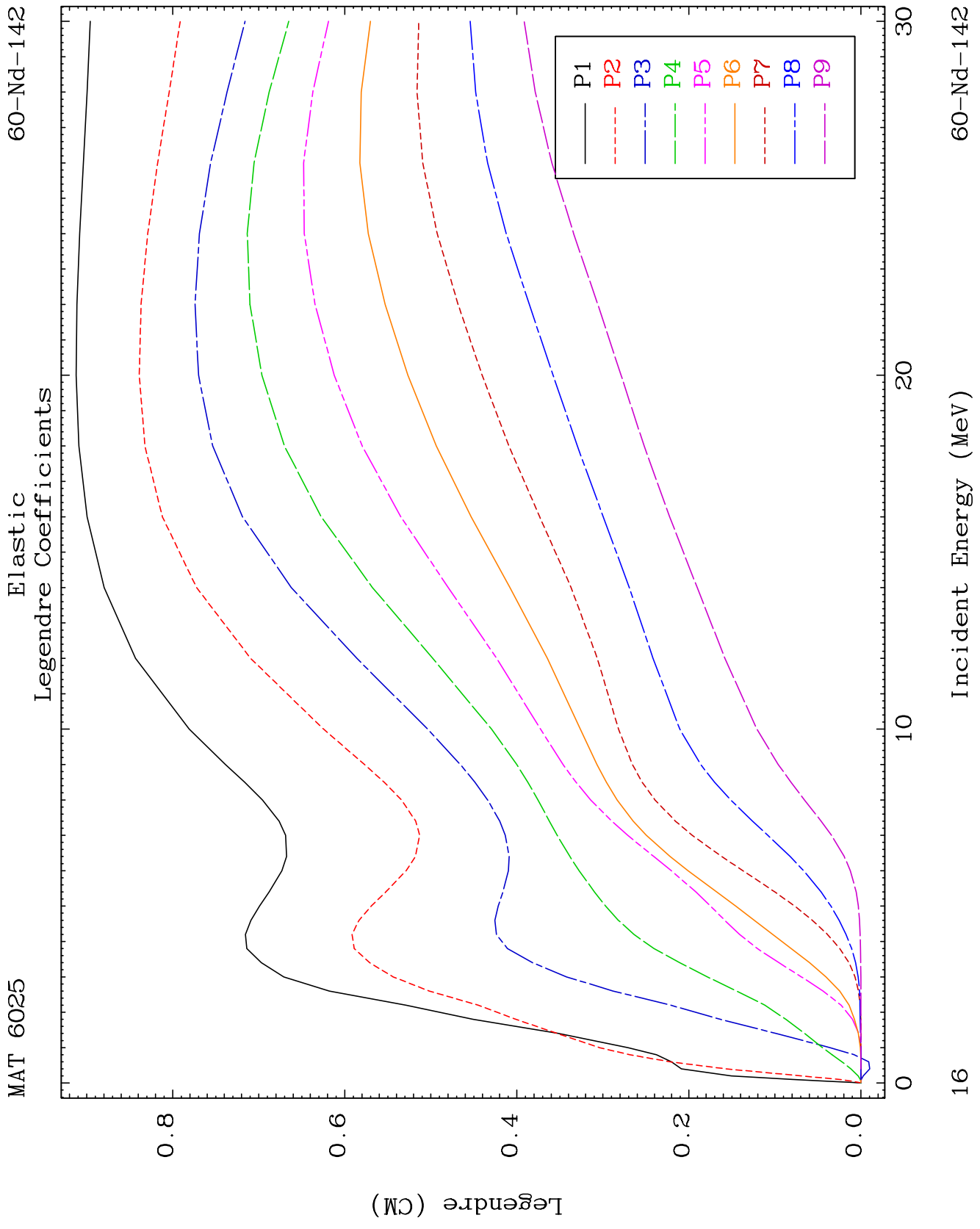
(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

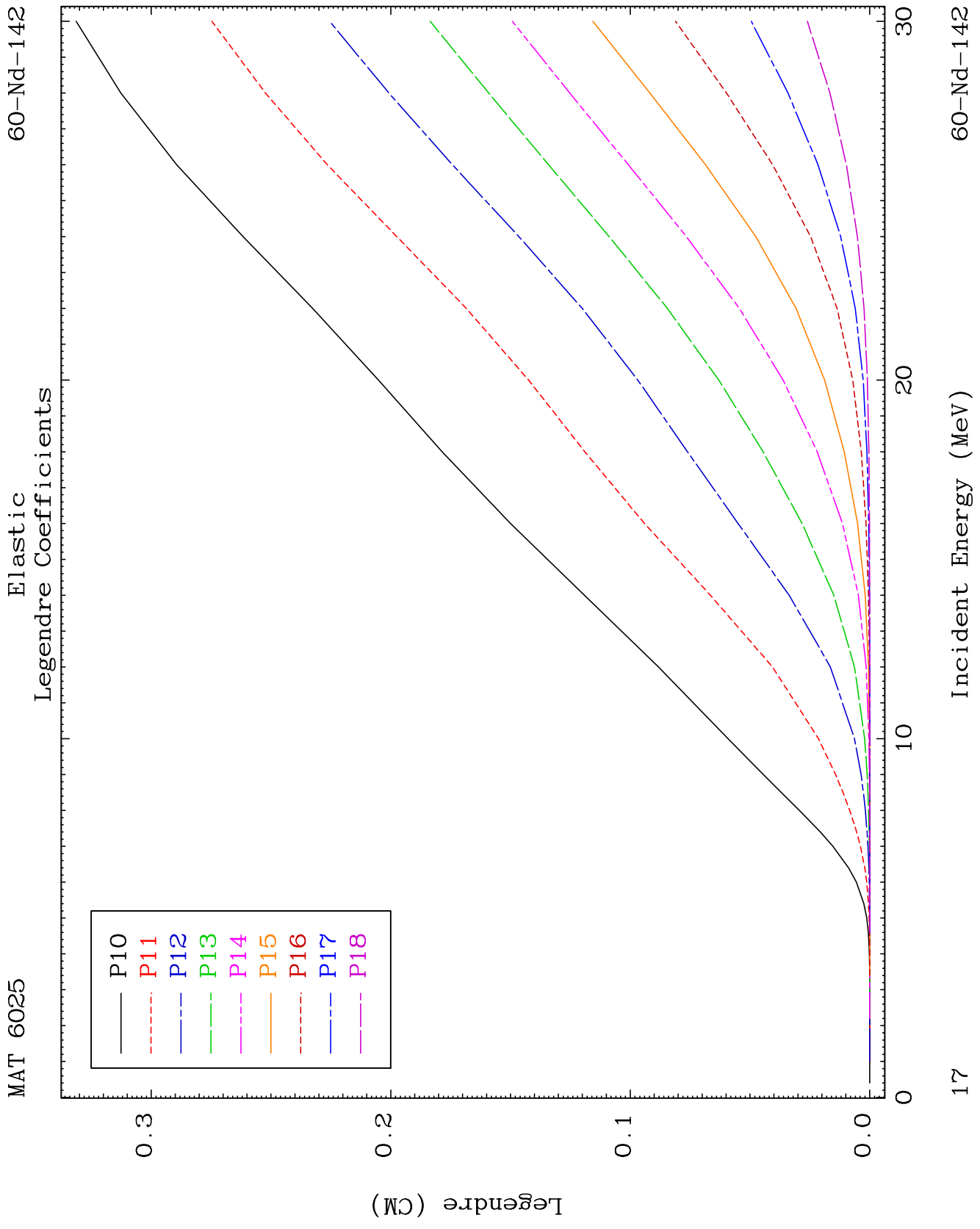
60-Nd-142



15



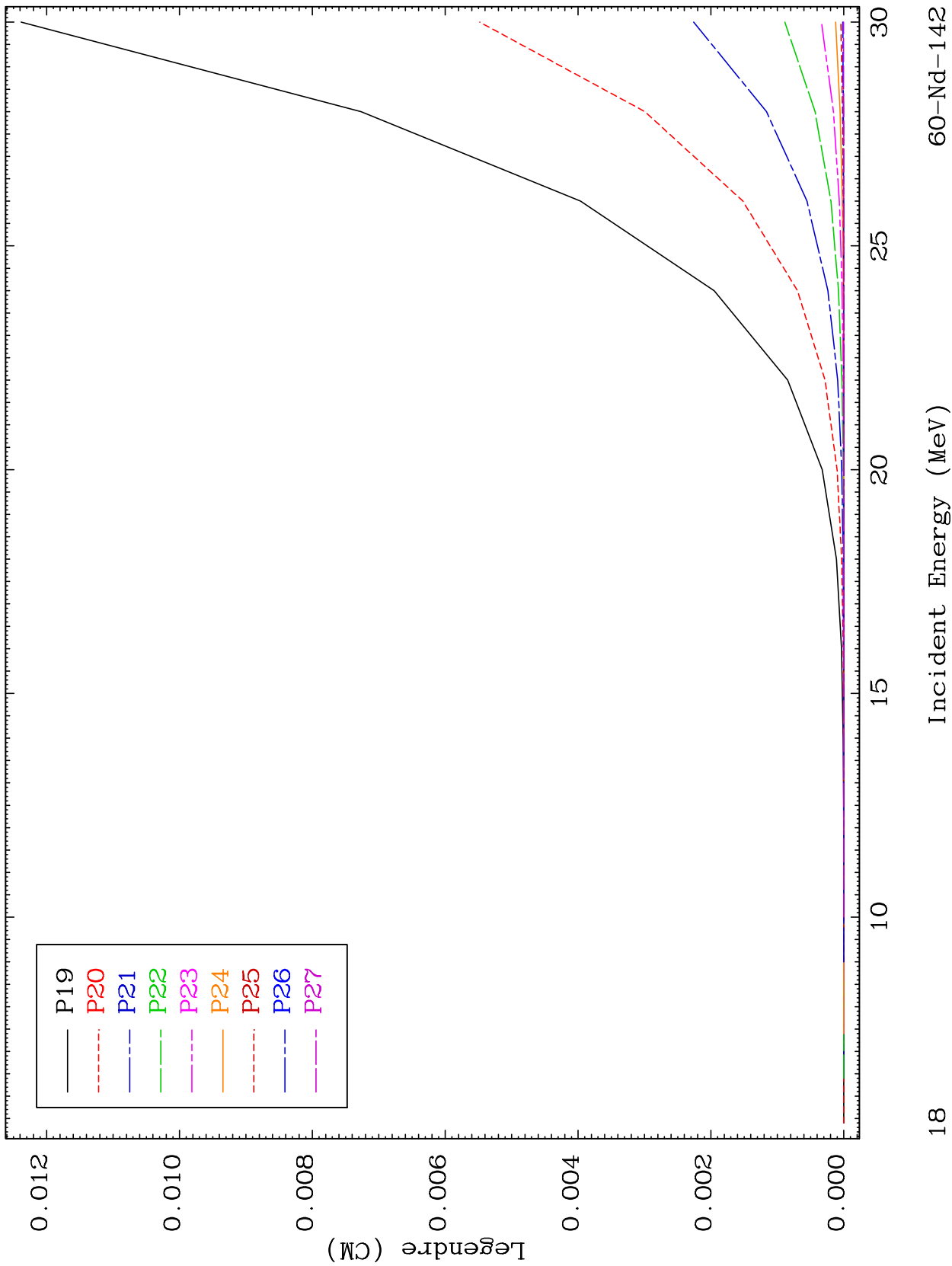




MAT 6025

### Elastic Legendre Coefficients

60-Nd-142



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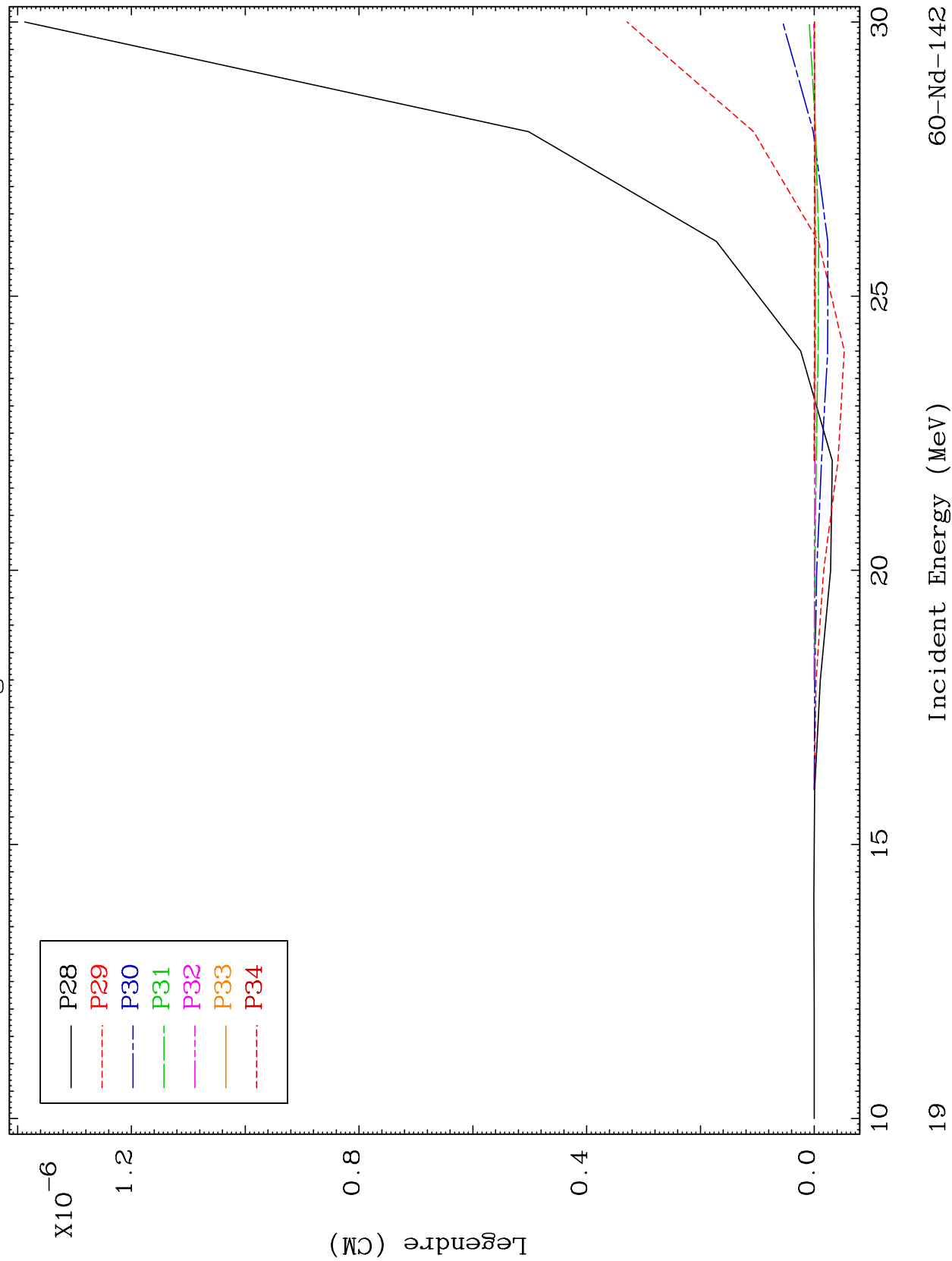
Incident Energy (MeV)

60-Nd-142

MAT 6025

Elastic Legendre Coefficients

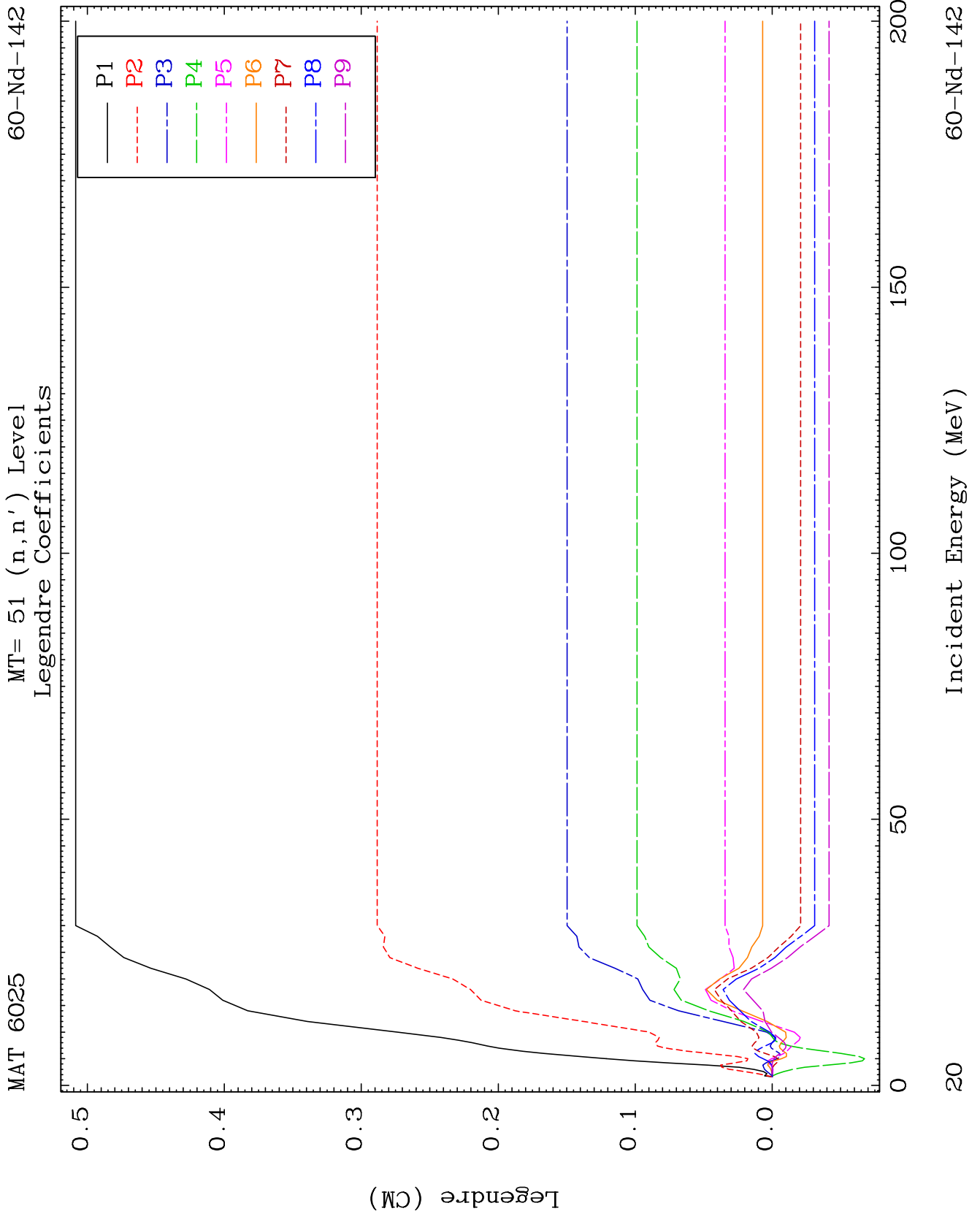
60-Nd-142

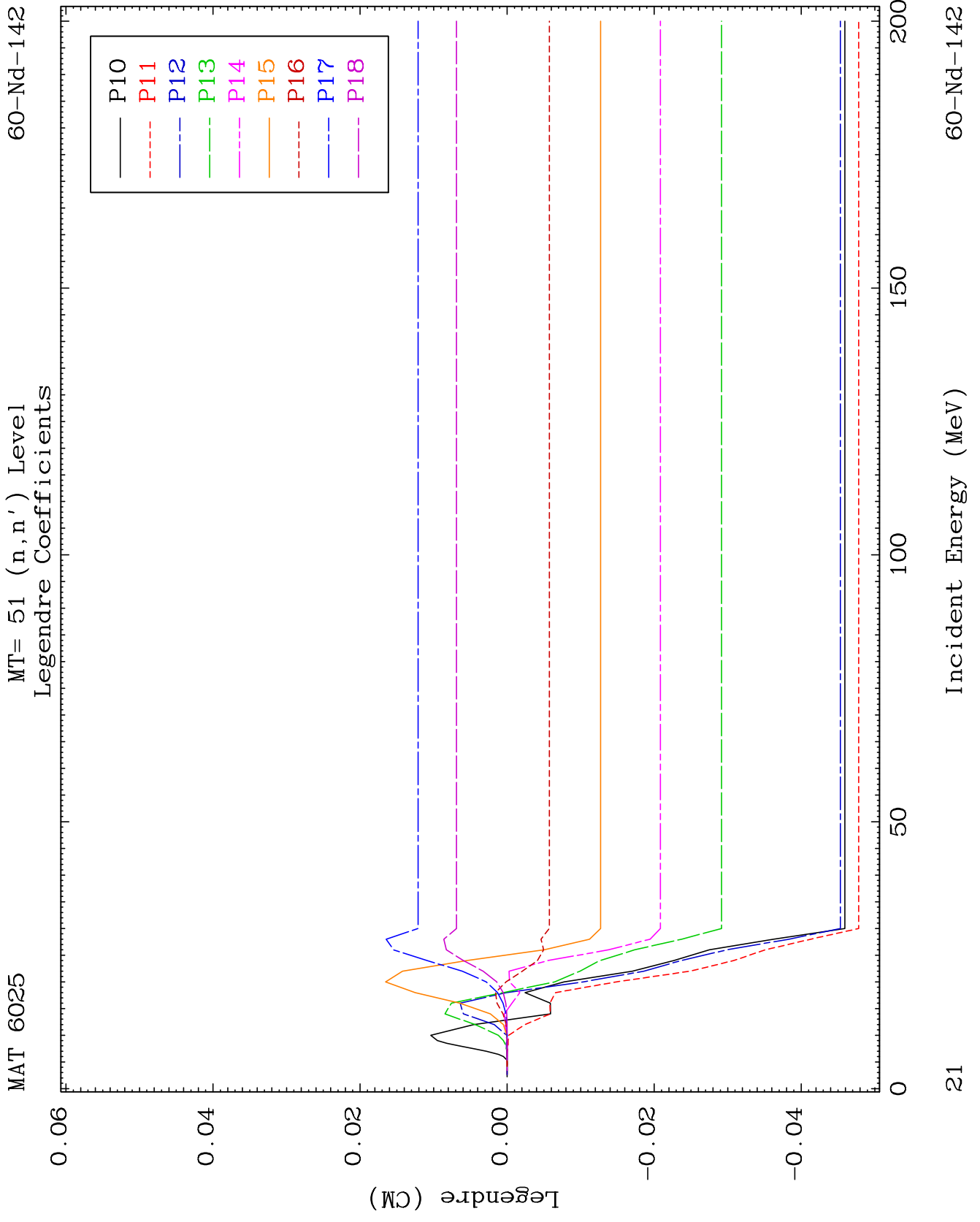


19

Incident Energy (MeV)

60-Nd-142

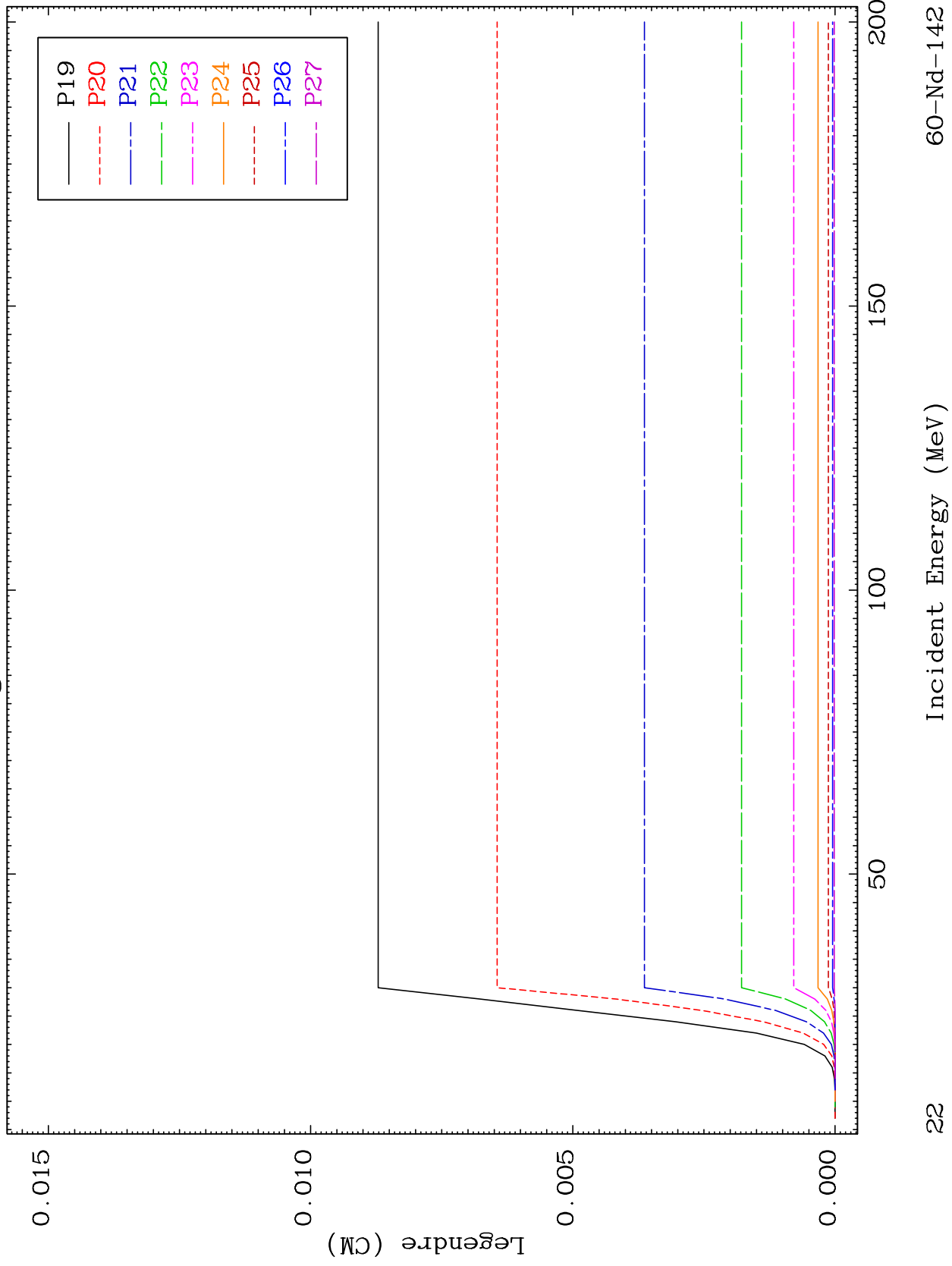




MAT 6025

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

60-Nd-142



22

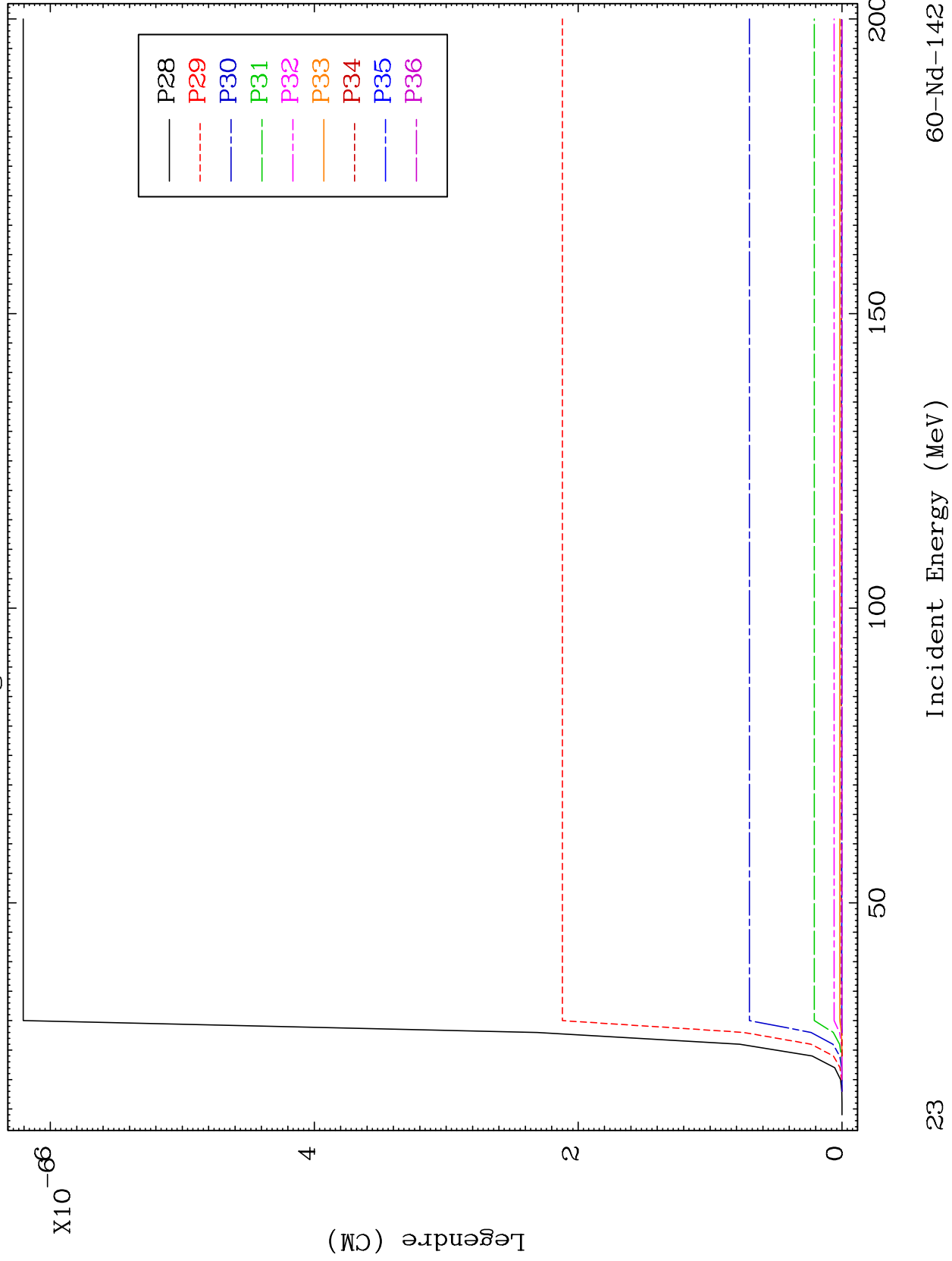
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

60-Nd-142



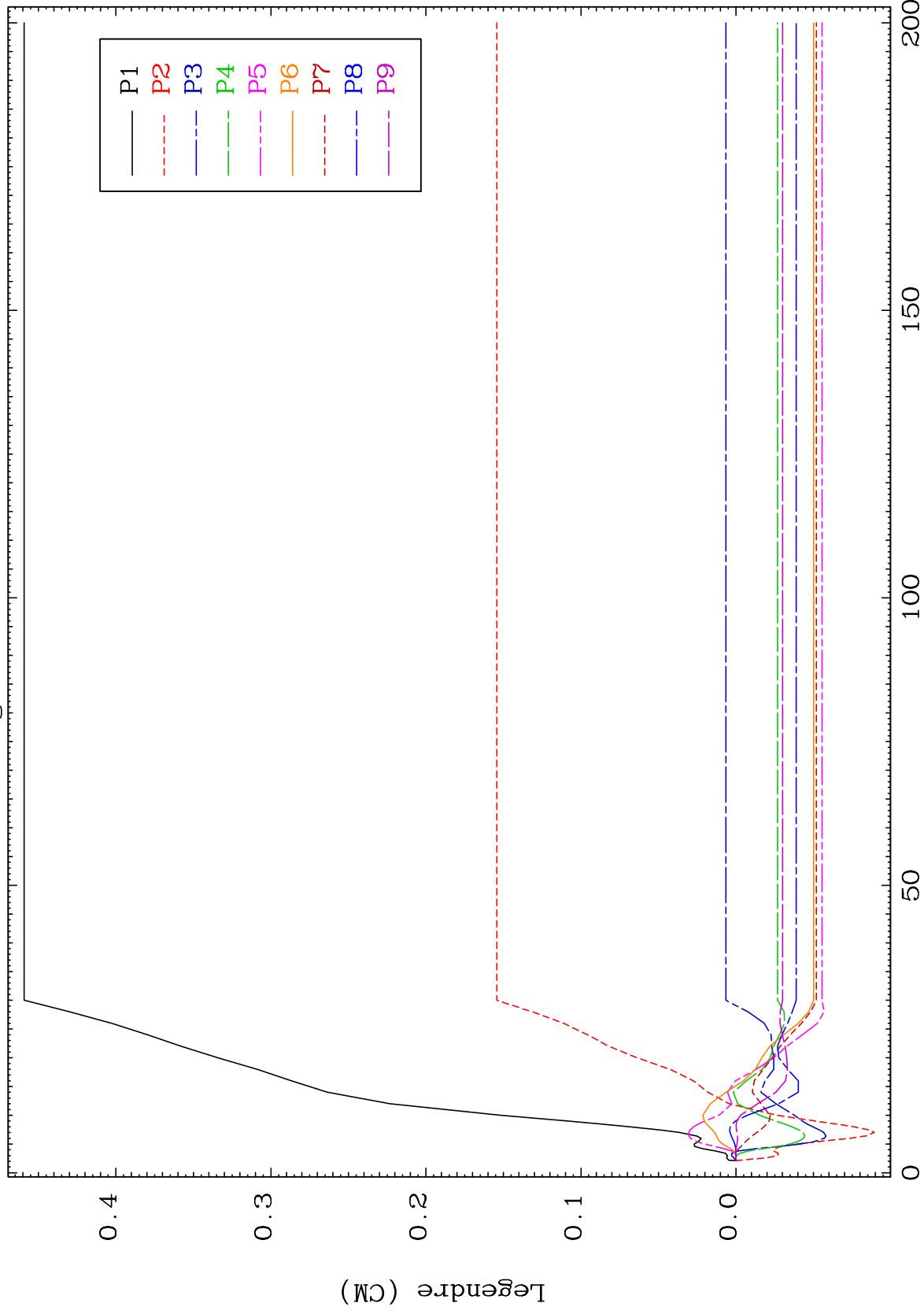
23



MAT 6025

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

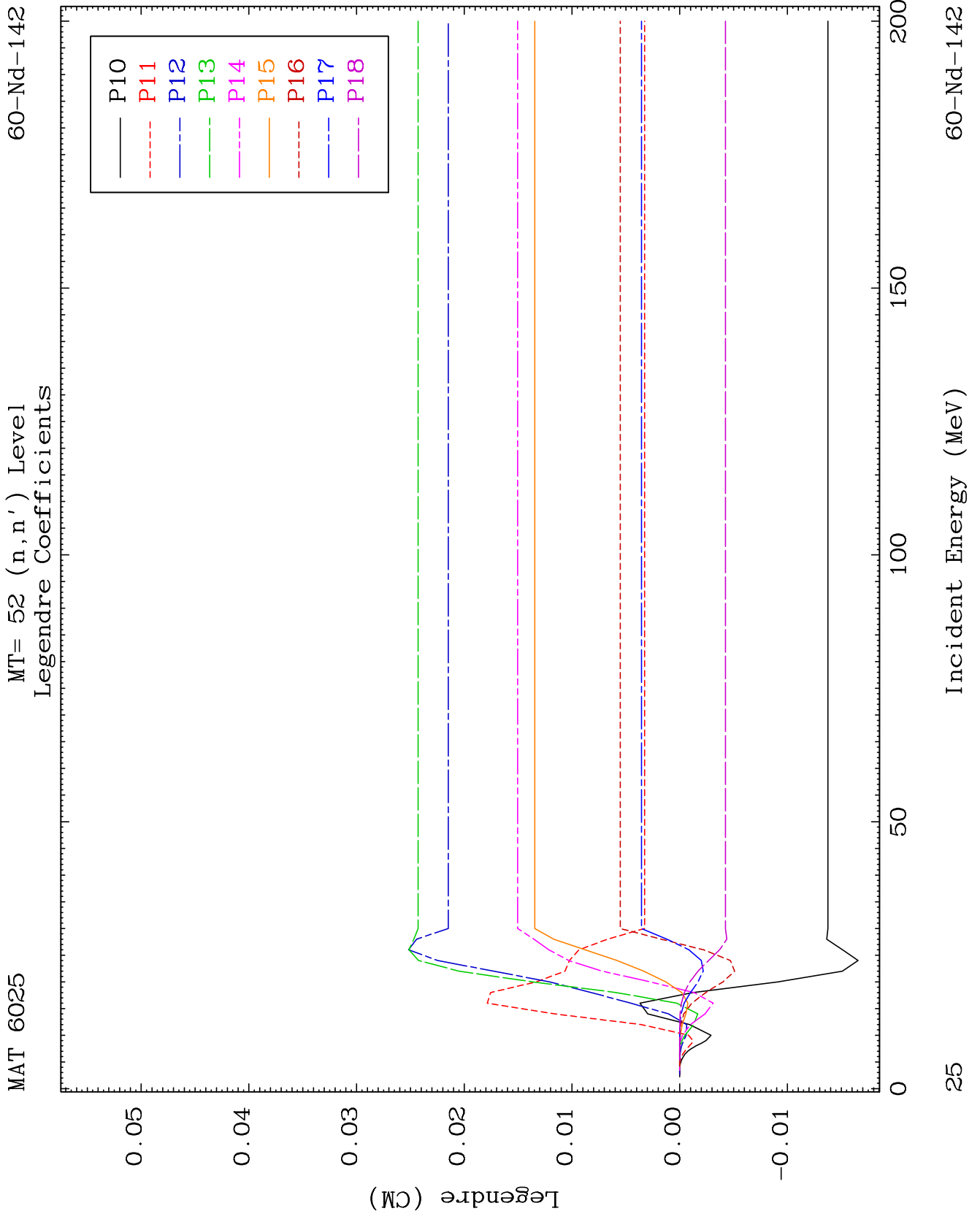
60-Nd-142



24

Incident Energy (MeV)

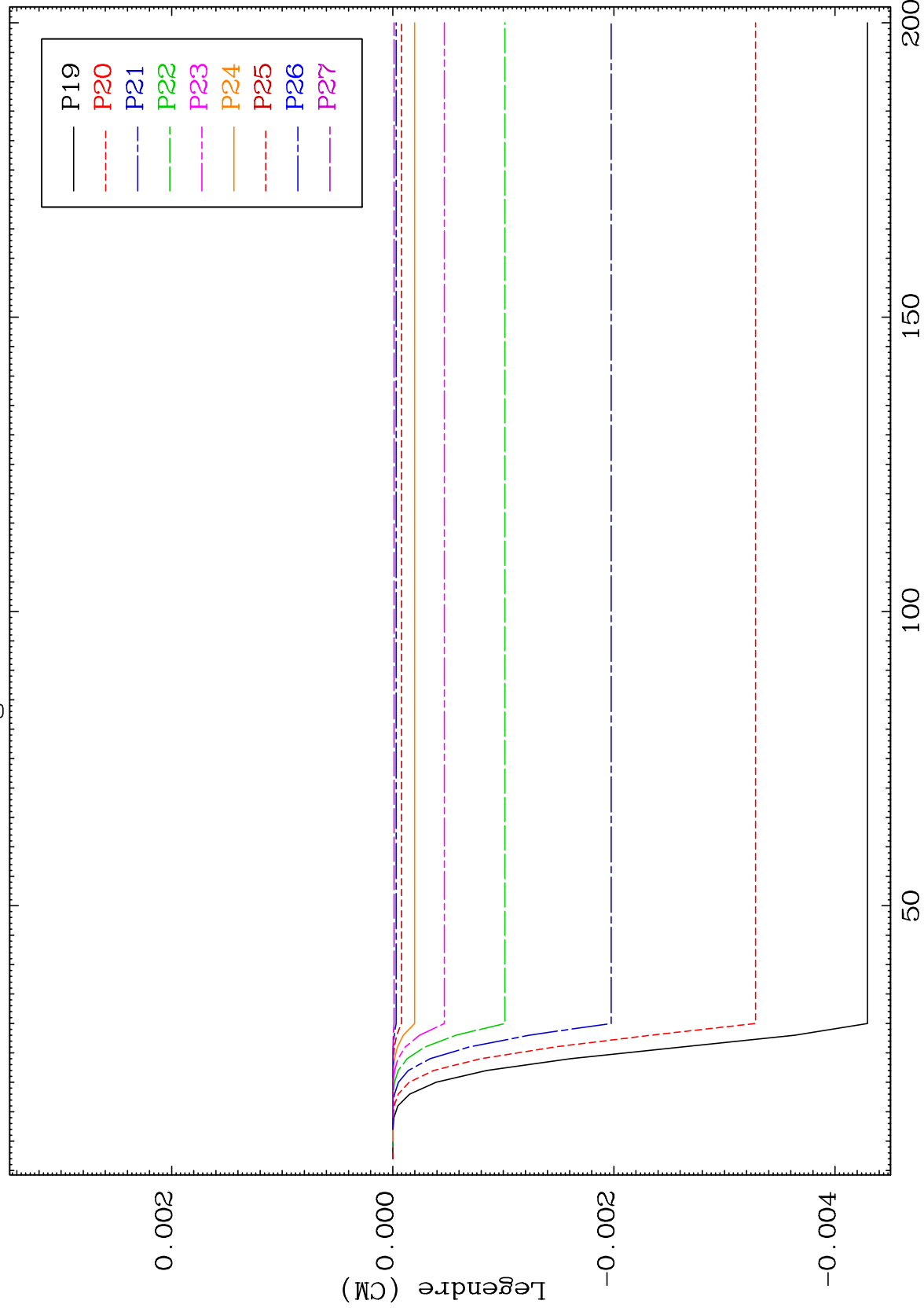
60-Nd-142



MAT 6025

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

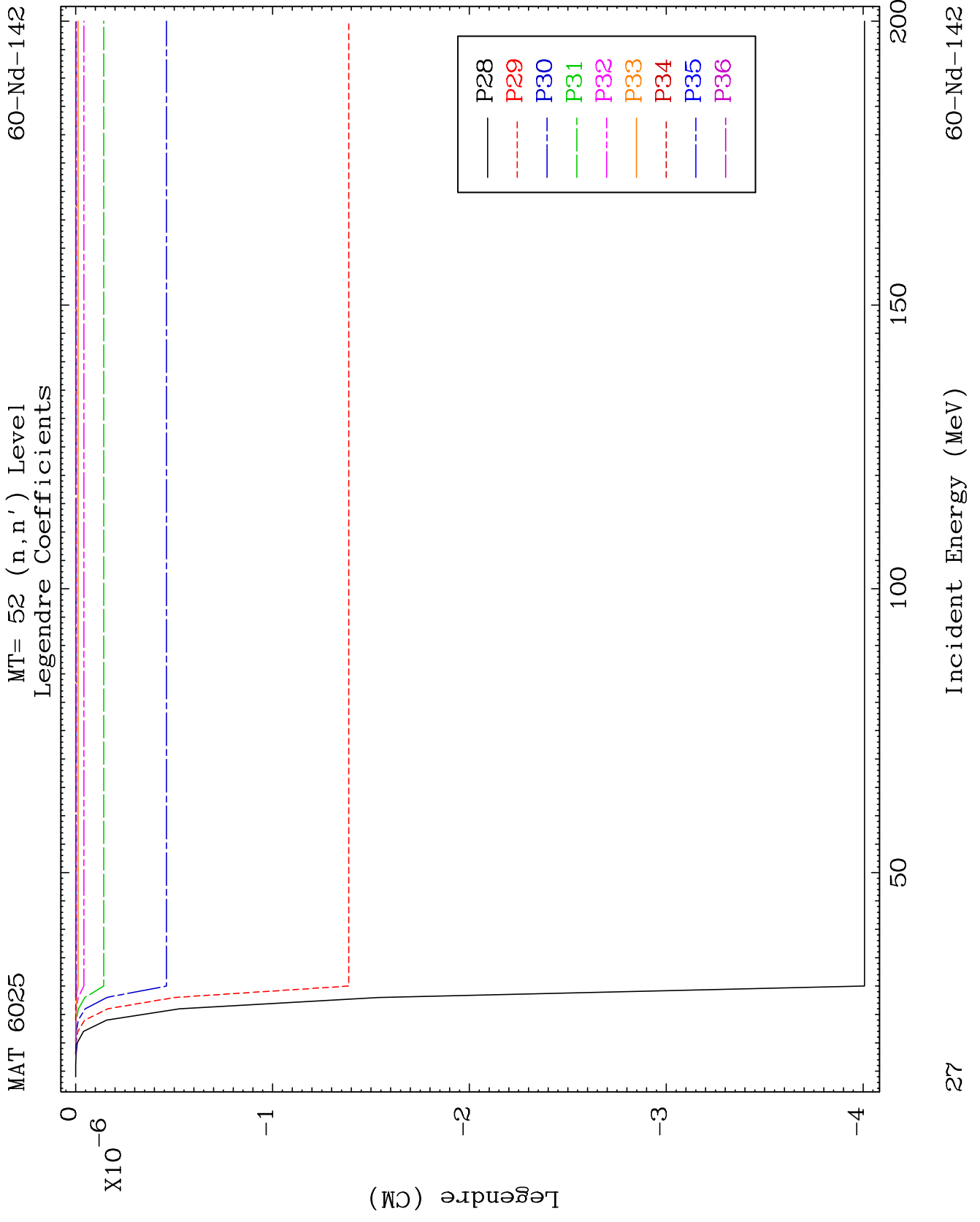
60-Nd-142



26

Incident Energy (MeV)

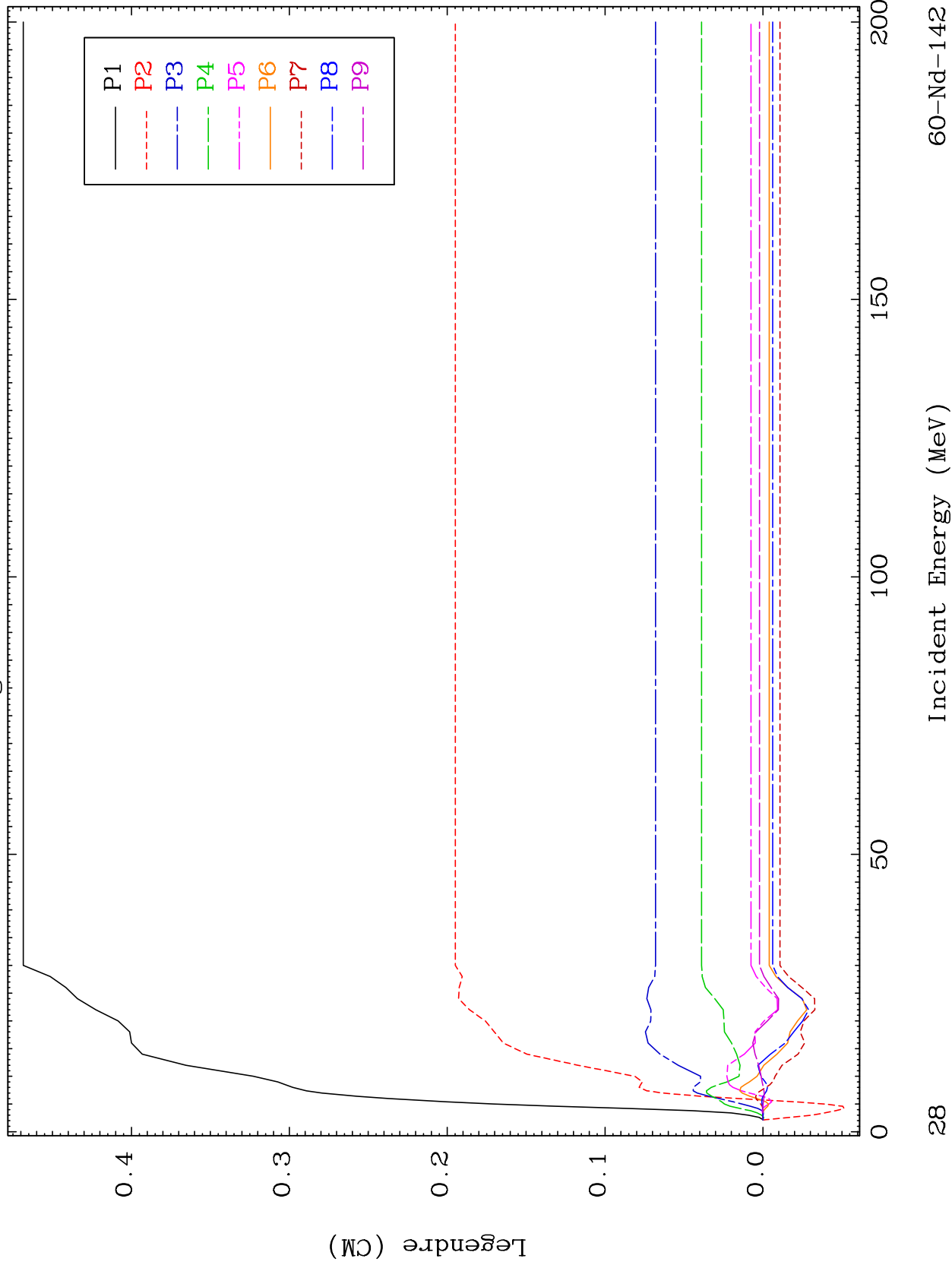
60-Nd-142



MAT 6025

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

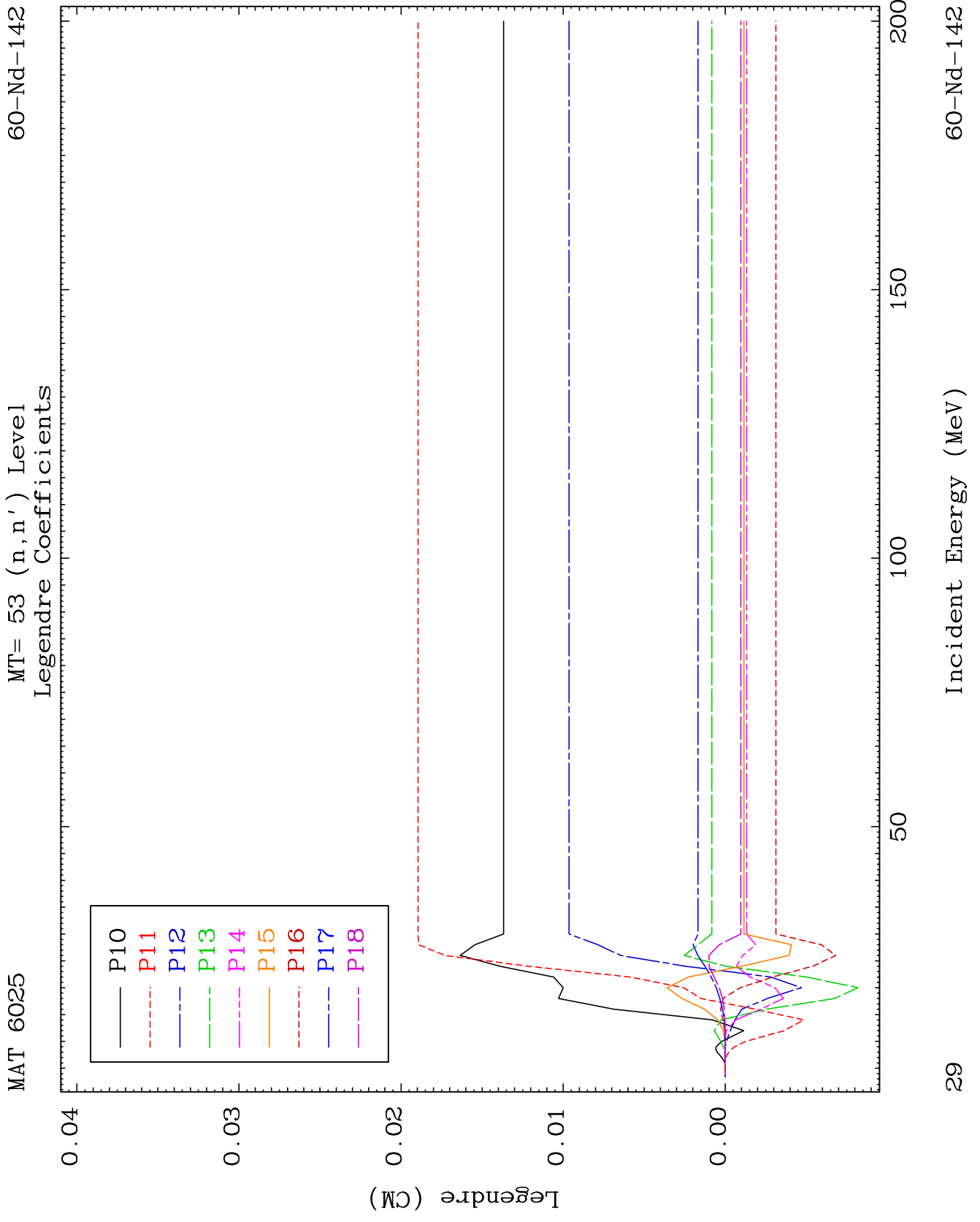
60-Nd-142



60-Nd-142

Incident Energy (MeV)

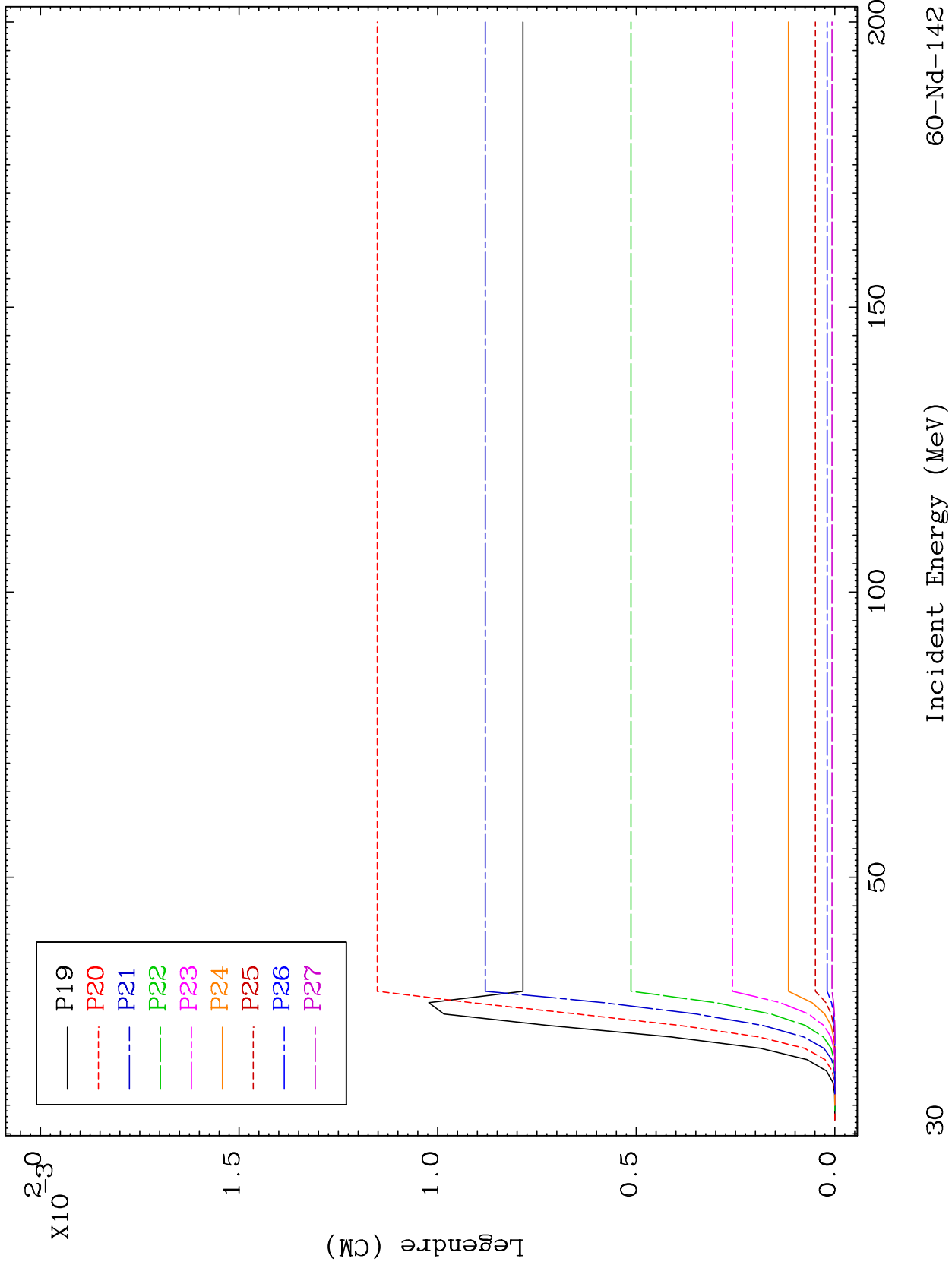
28



MAT 6025

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

60-Nd-142



60-Nd-142

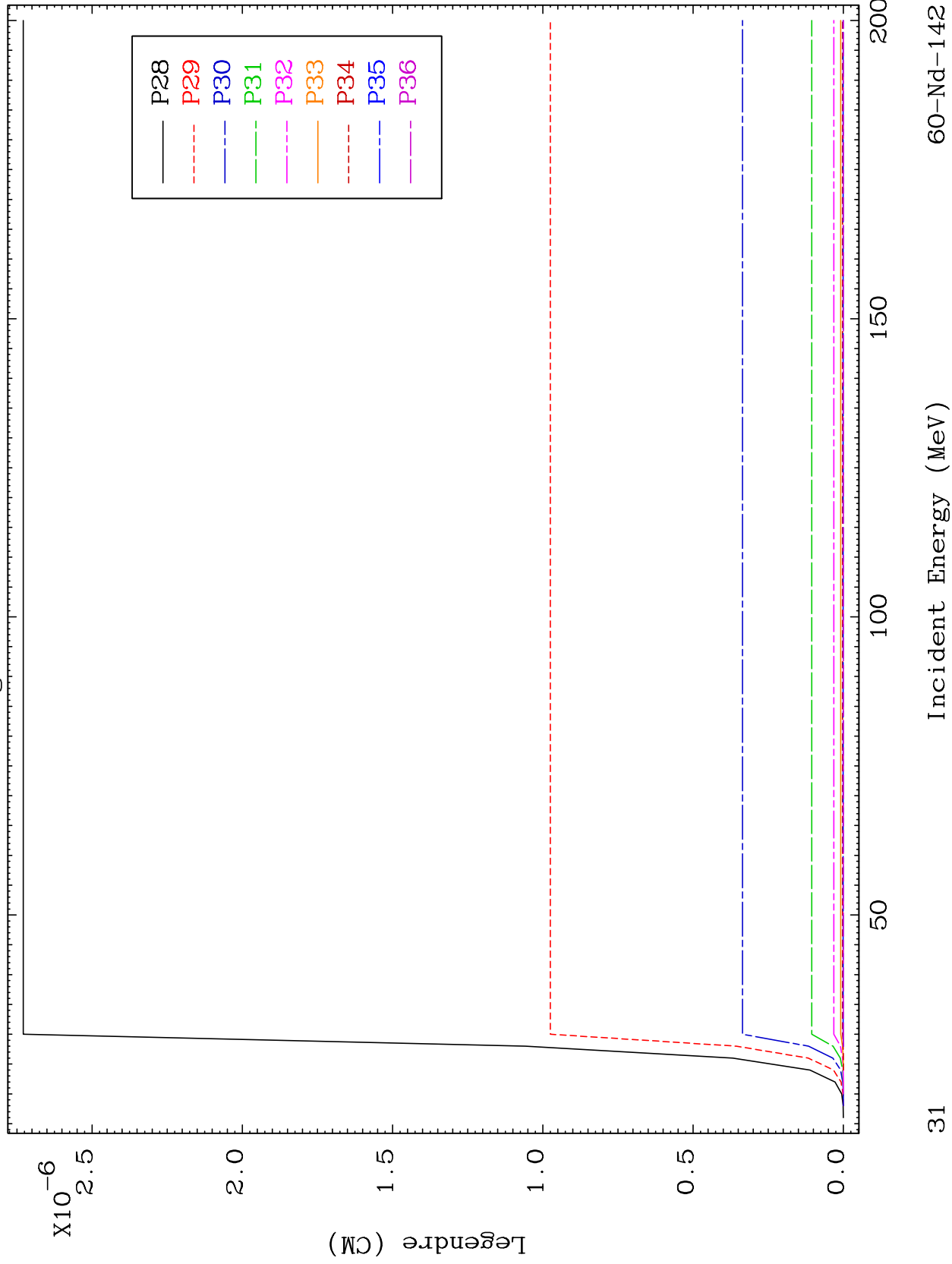
Incident Energy (MeV)

30

MAT 6025

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

60-Nd-142



31

Incident Energy (MeV)

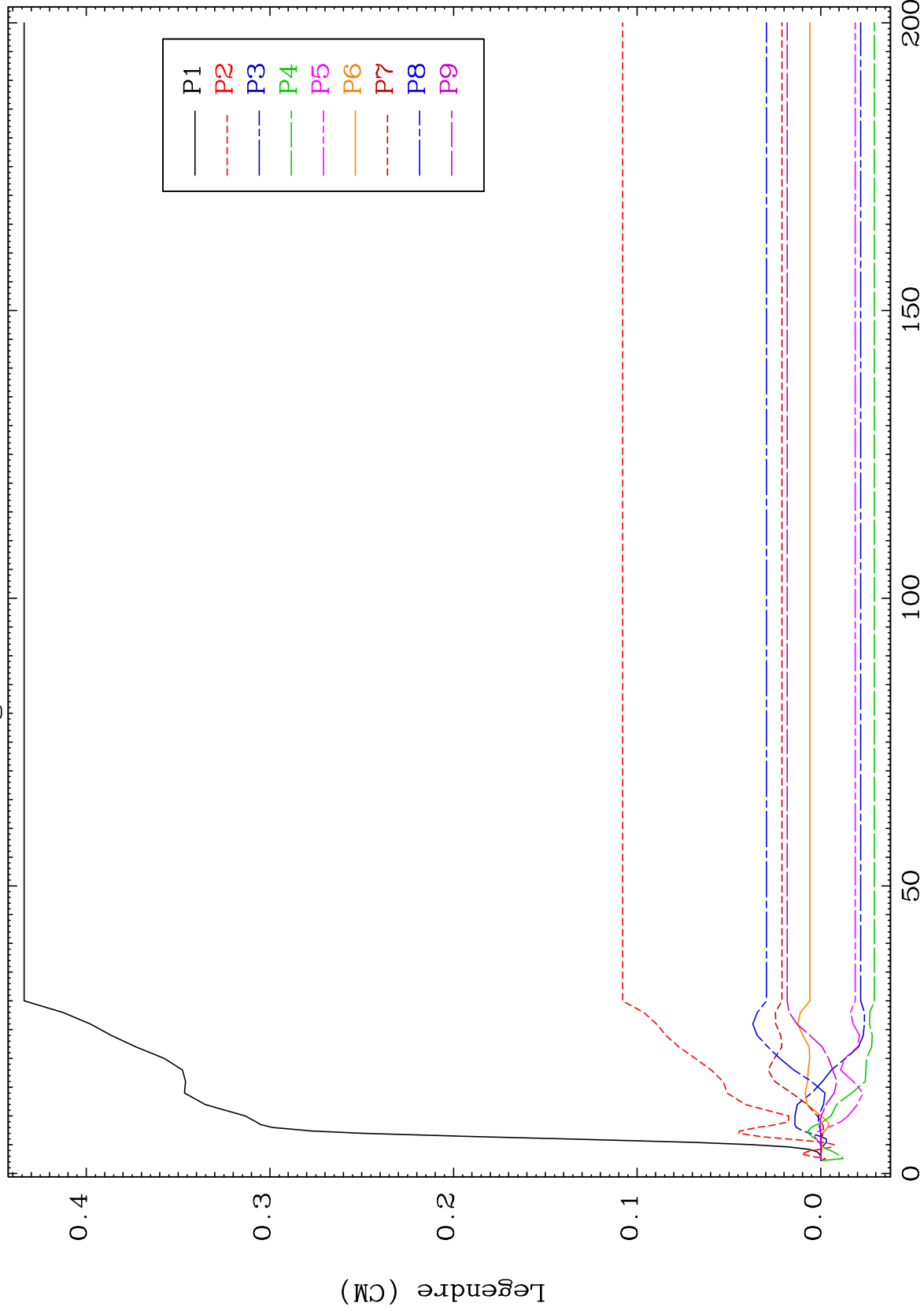
60-Nd-142



MAT 6025

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

60-Nd-142



60-Nd-142

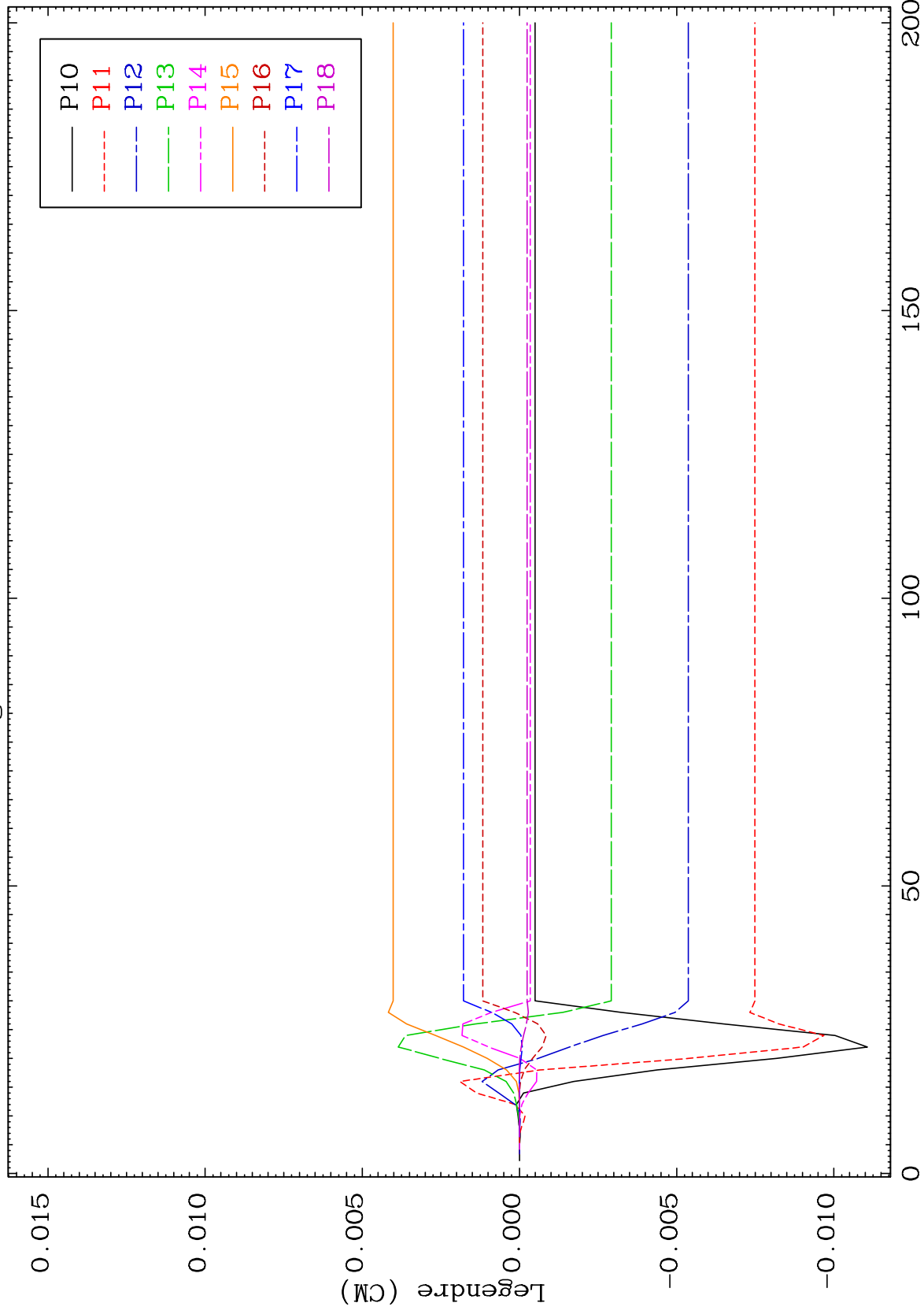
Incident Energy (MeV)

32

MAT 6025

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

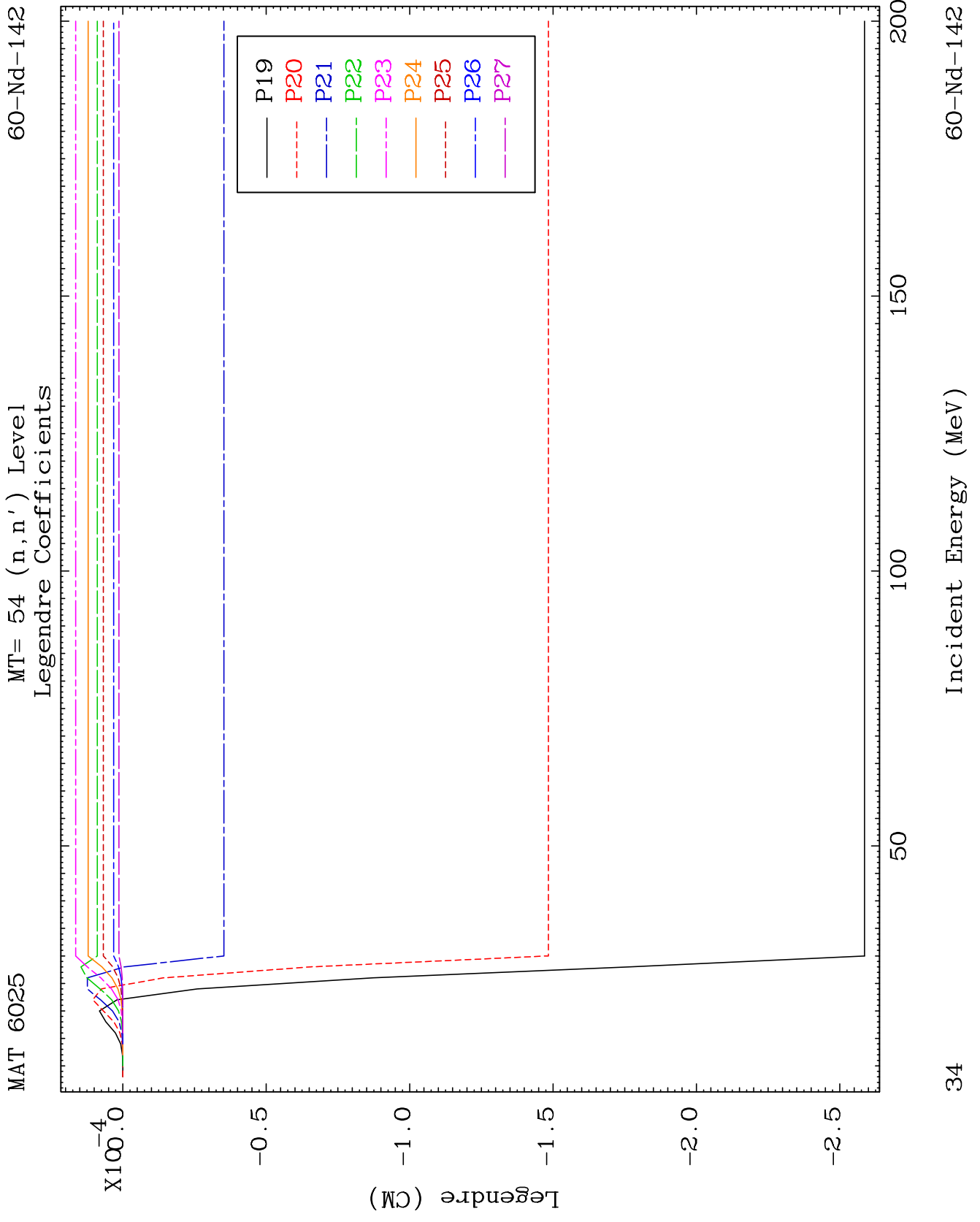
60-Nd-142



33

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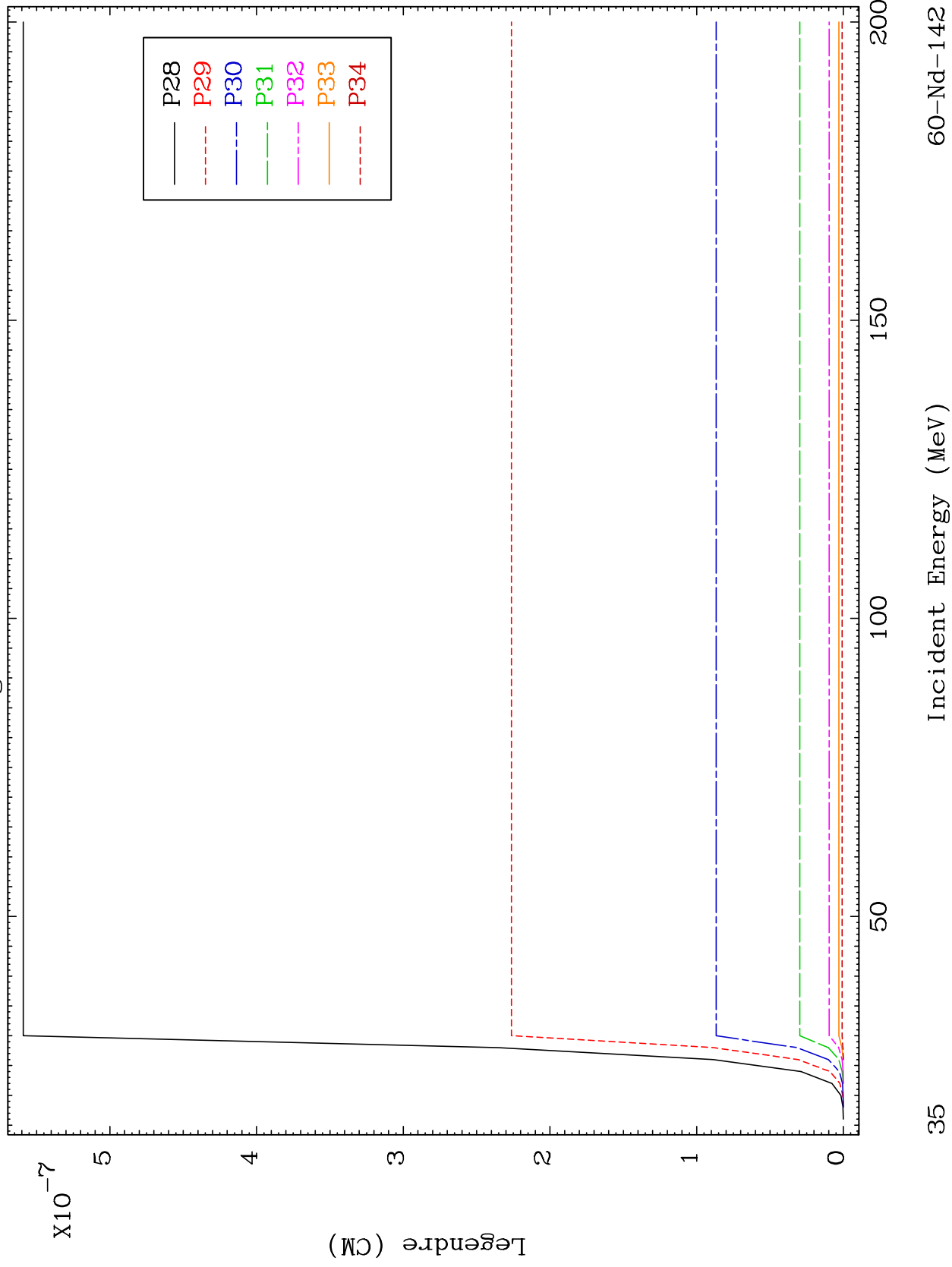
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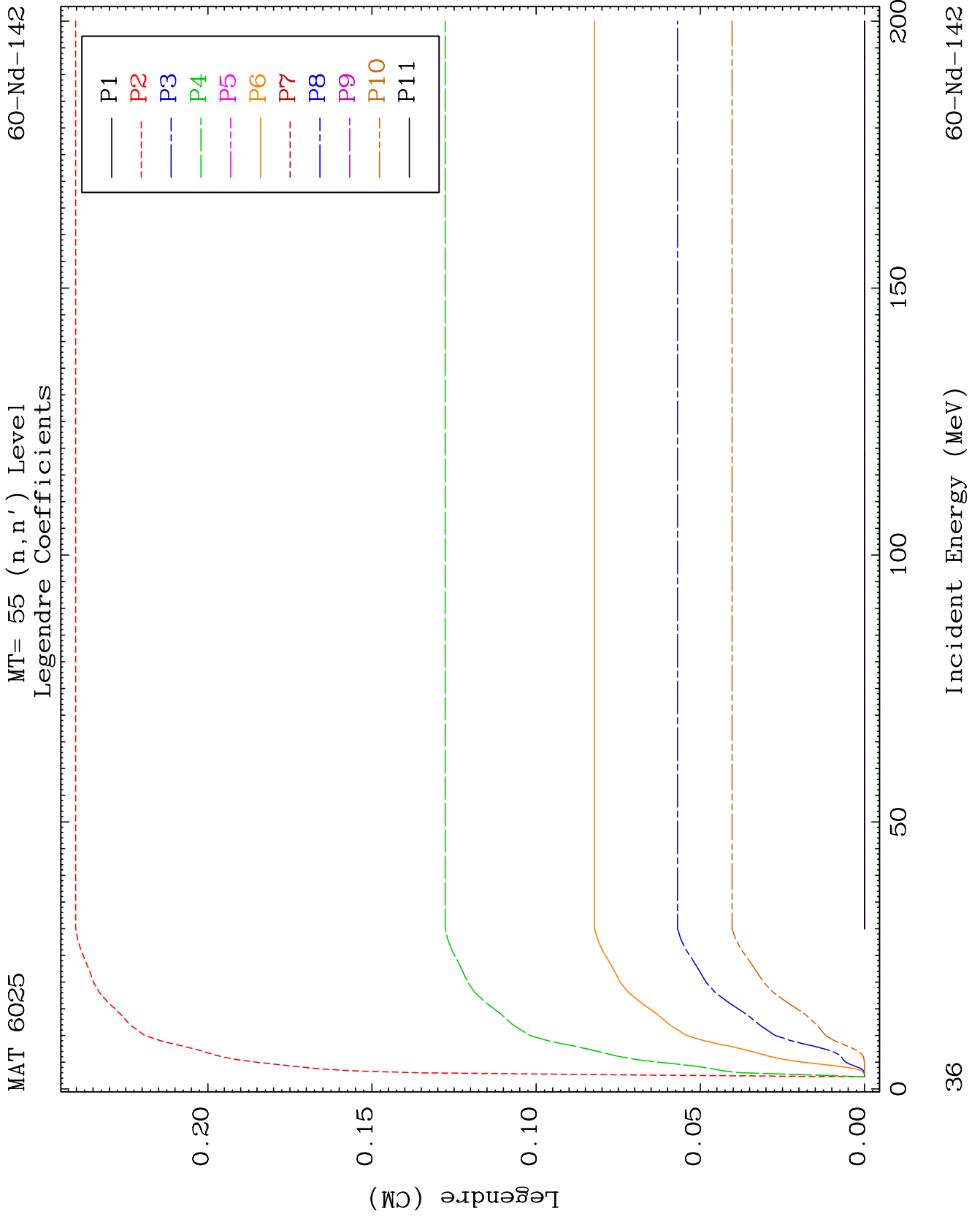


MAT 6025

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

60-Nd-142

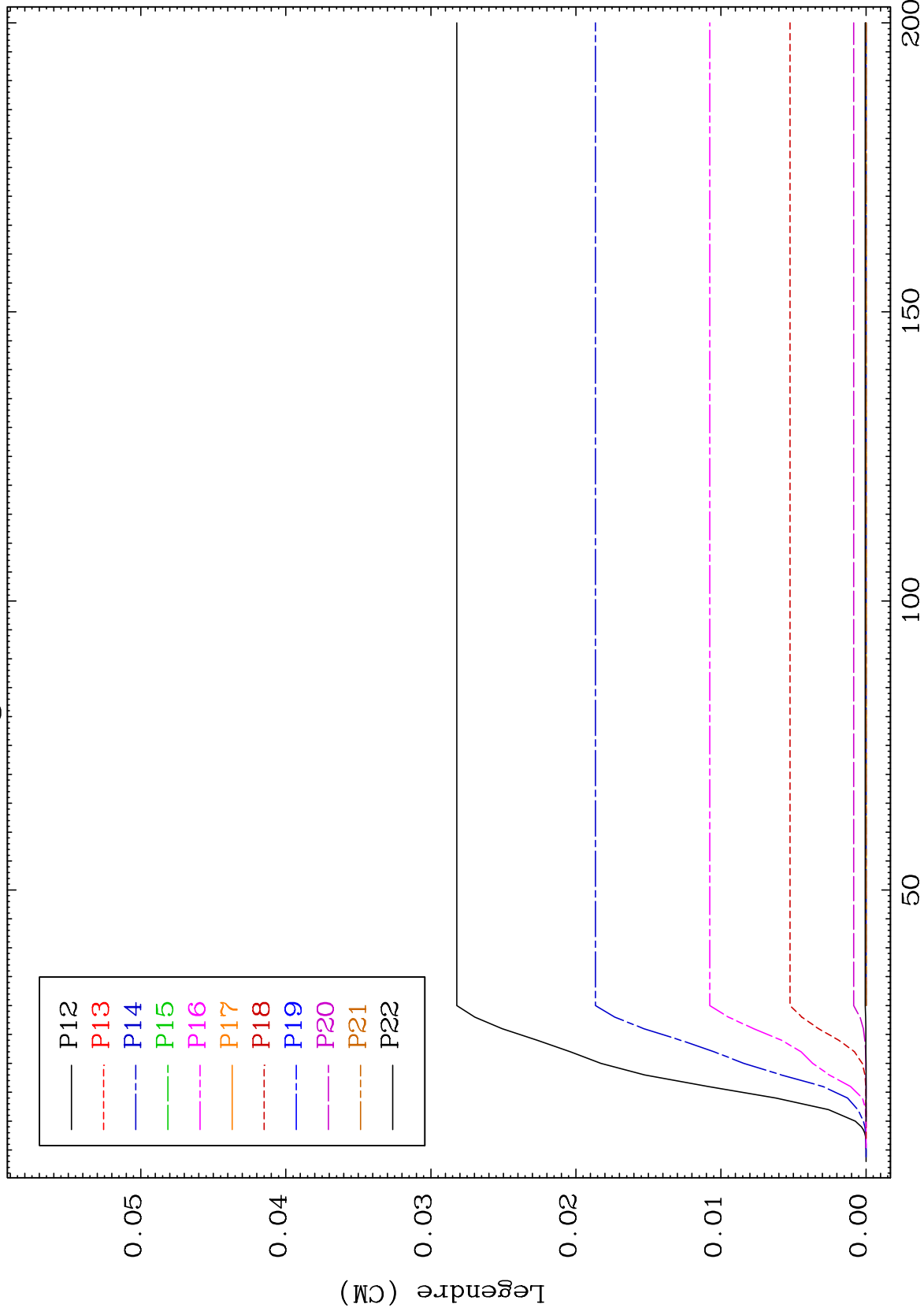




MAT 6025

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Legendre Coefficients

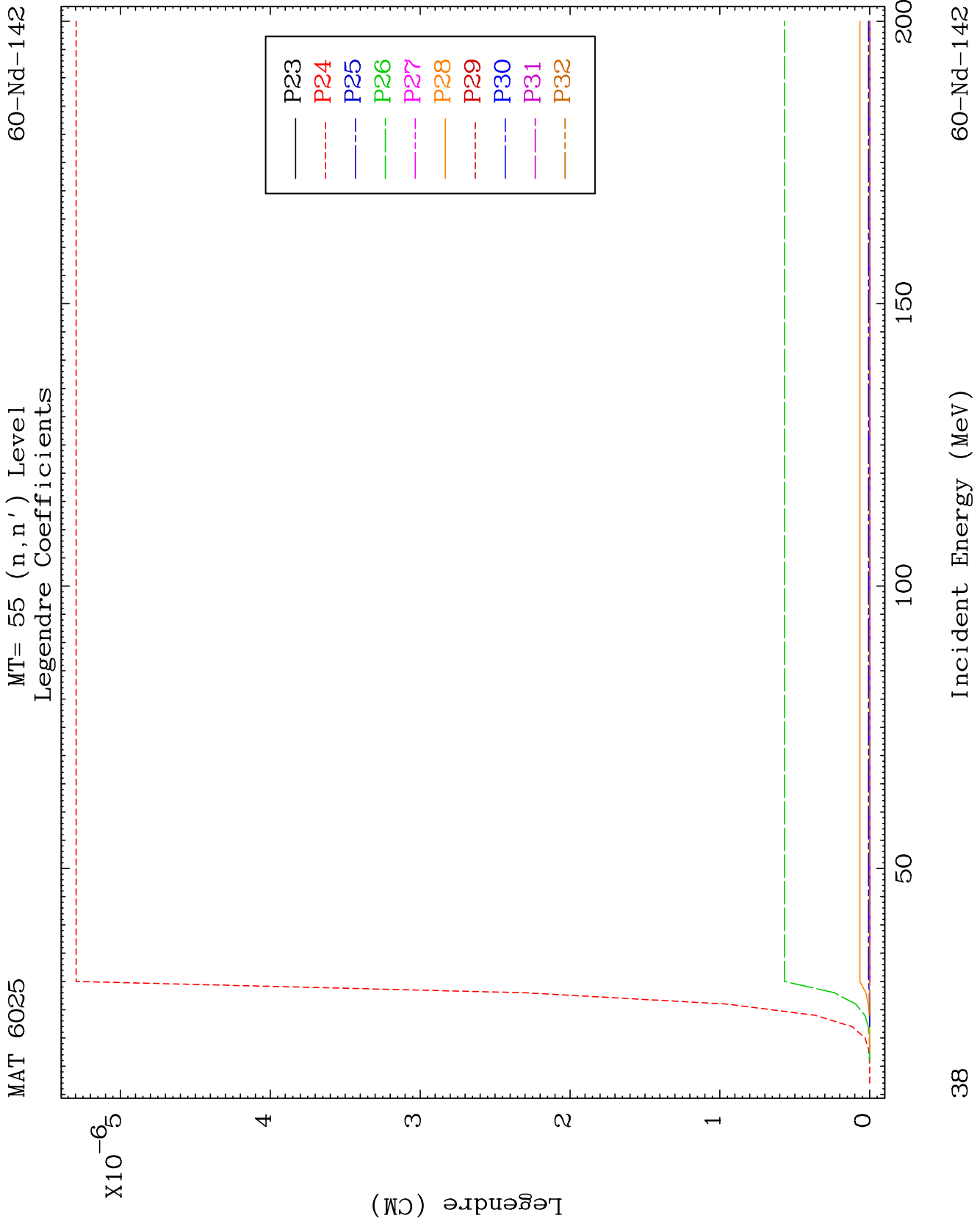
60-Nd-142



37

Incident Energy (MeV)

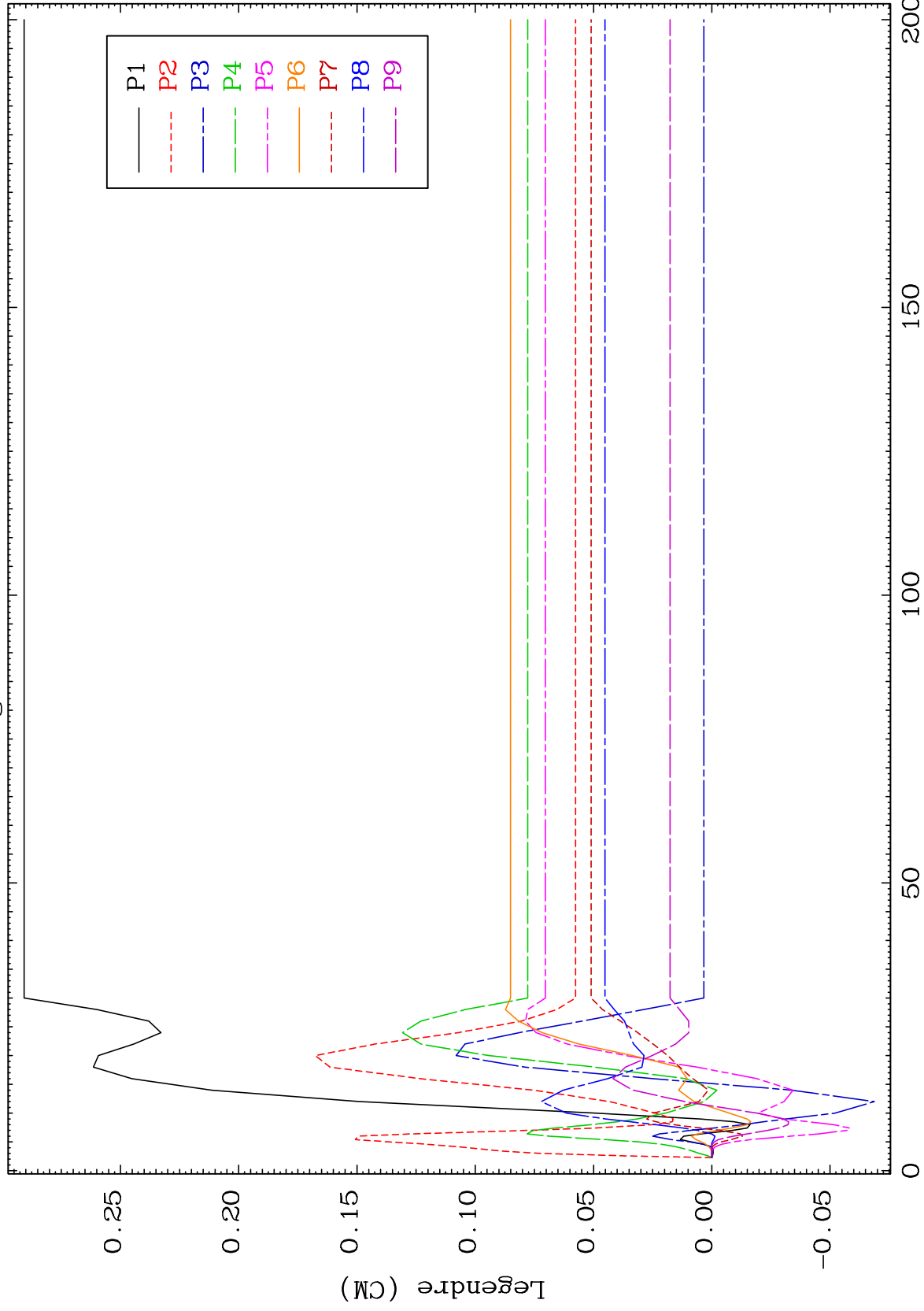
60-Nd-142



MAT 6025

MT= 56 (n,n') Level  
Legendre Coefficients

60-Nd-142



39

Incident Energy (MeV)

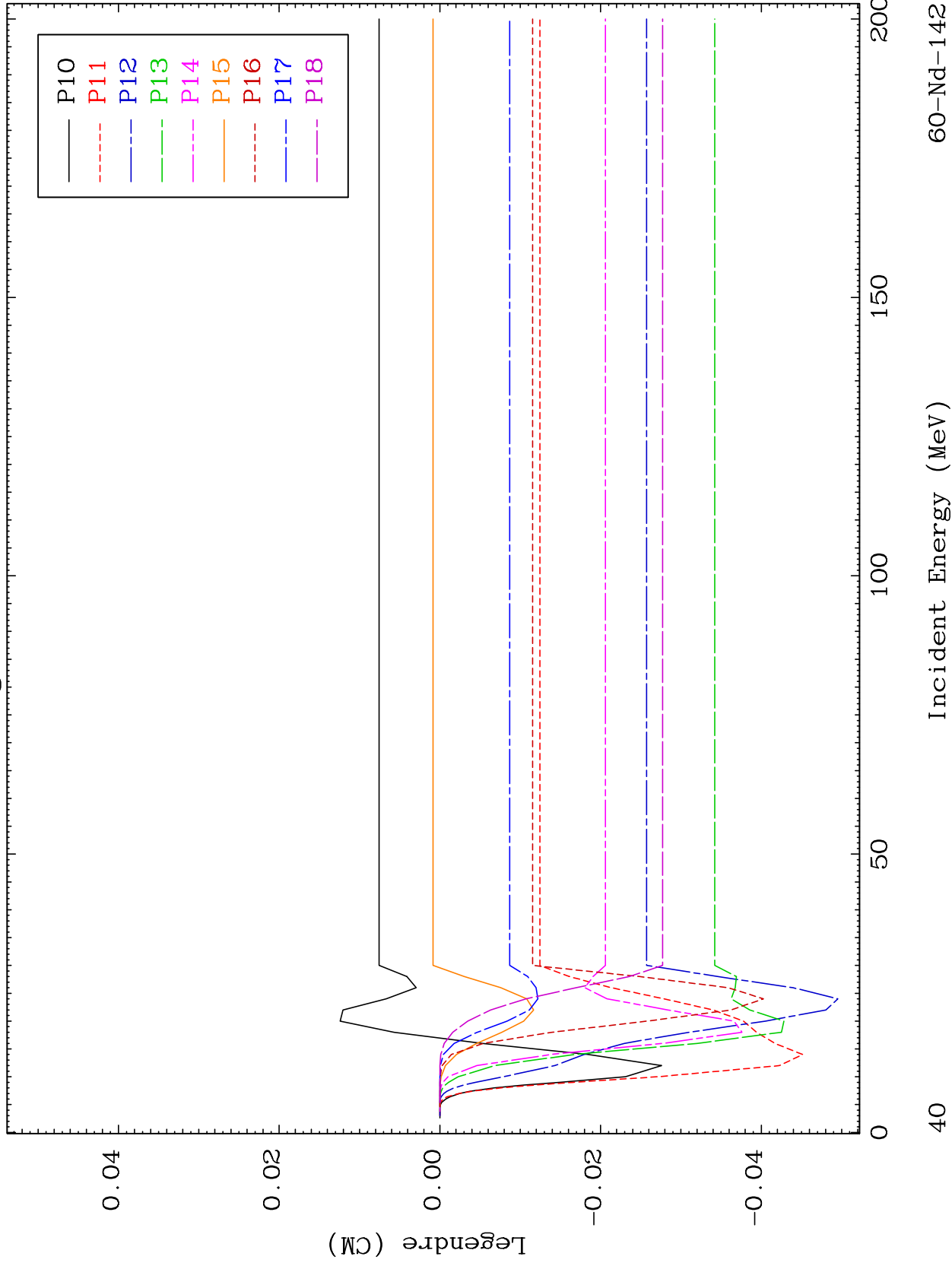
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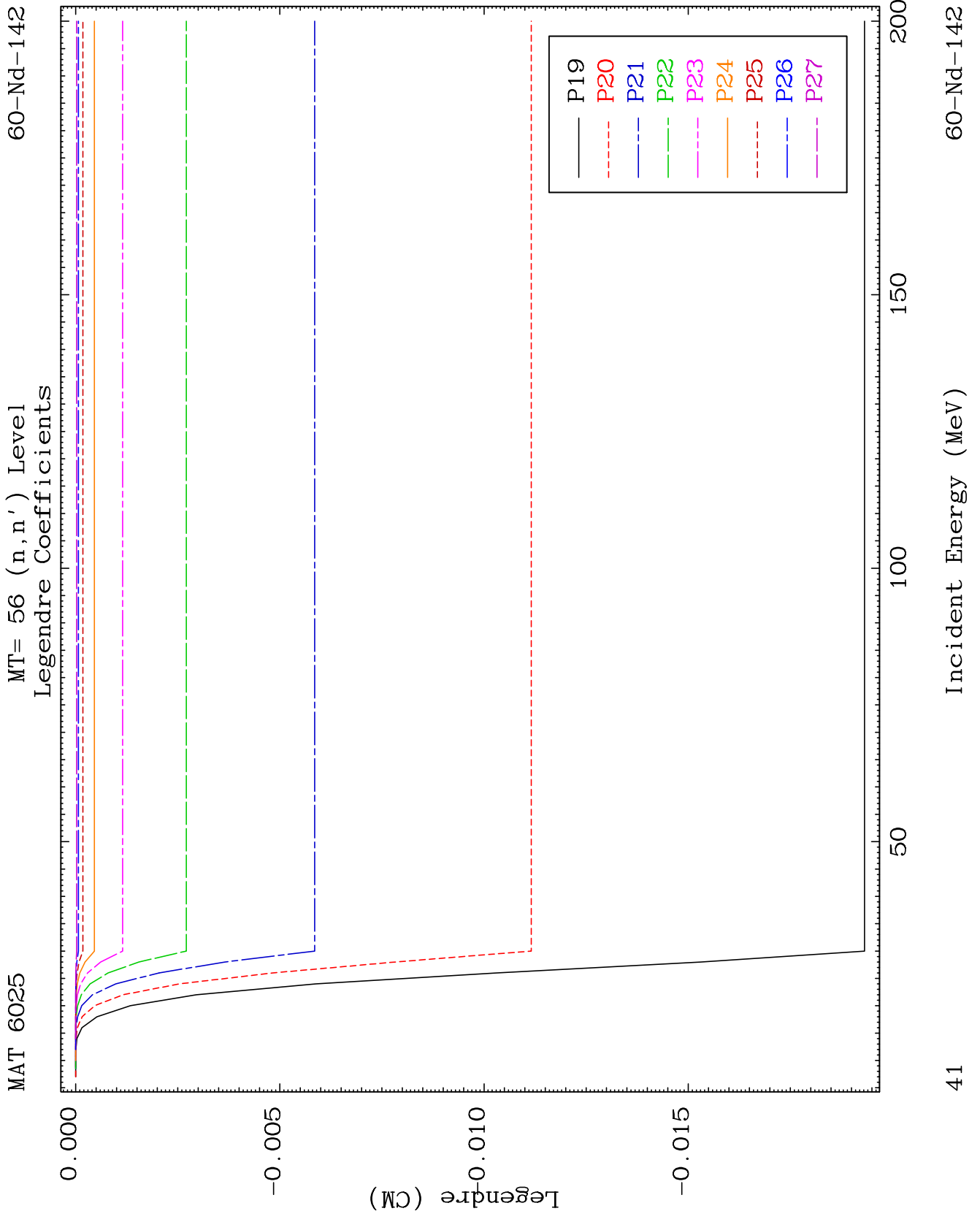


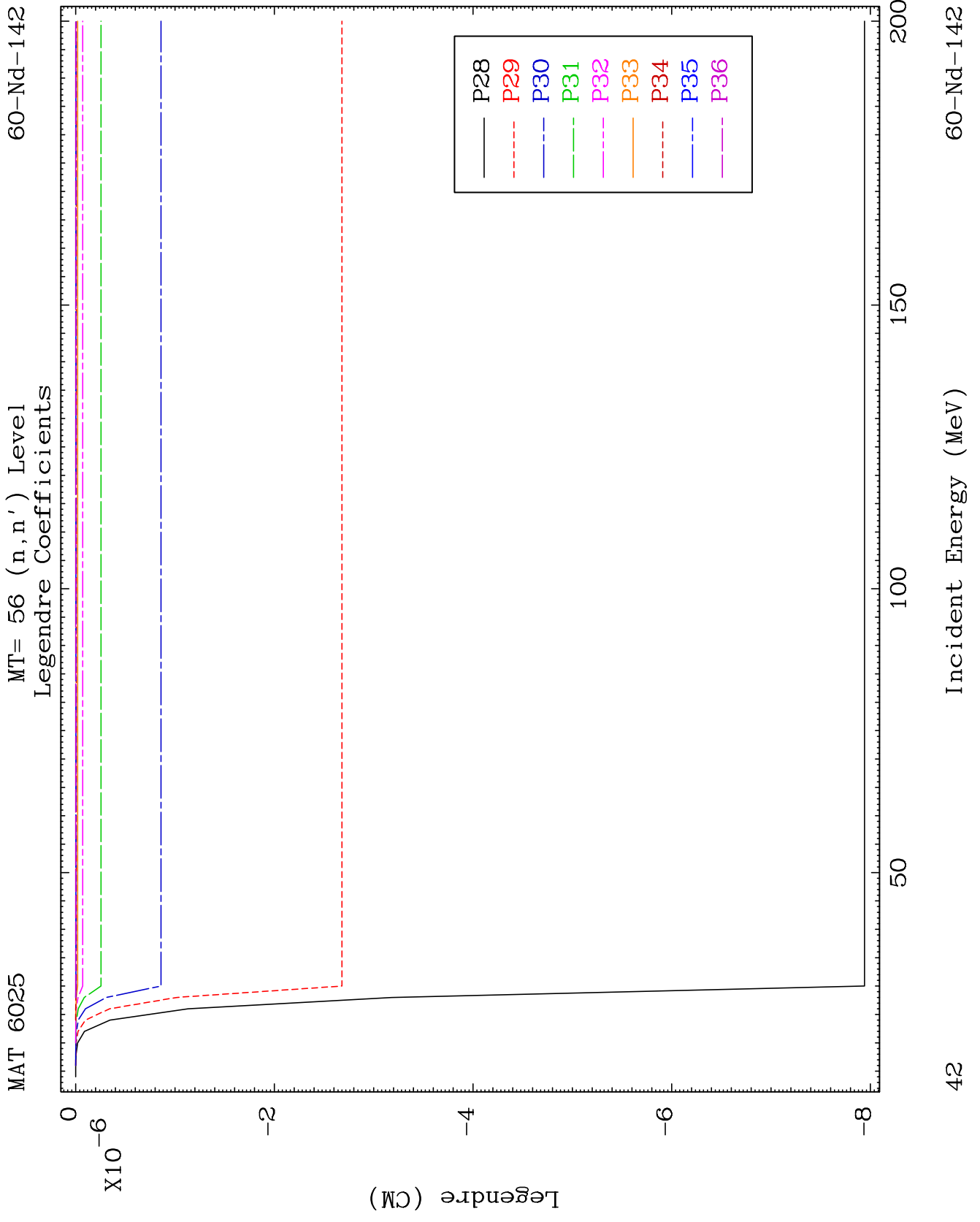
MAT 6025

MT= 56 (n,n') Level  
Legendre Coefficients

60-Nd-142



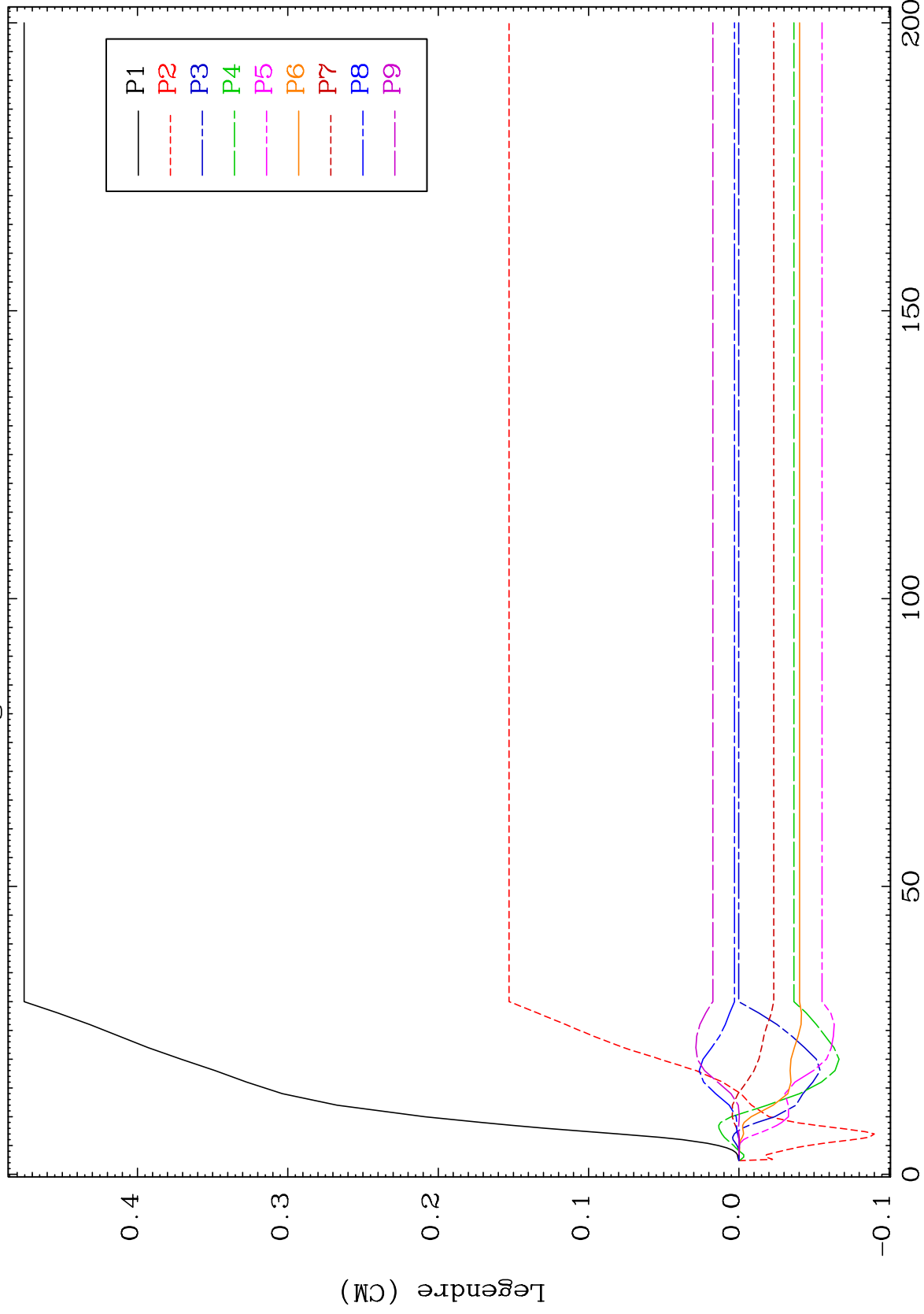




MAT 6025

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

60-Nd-142



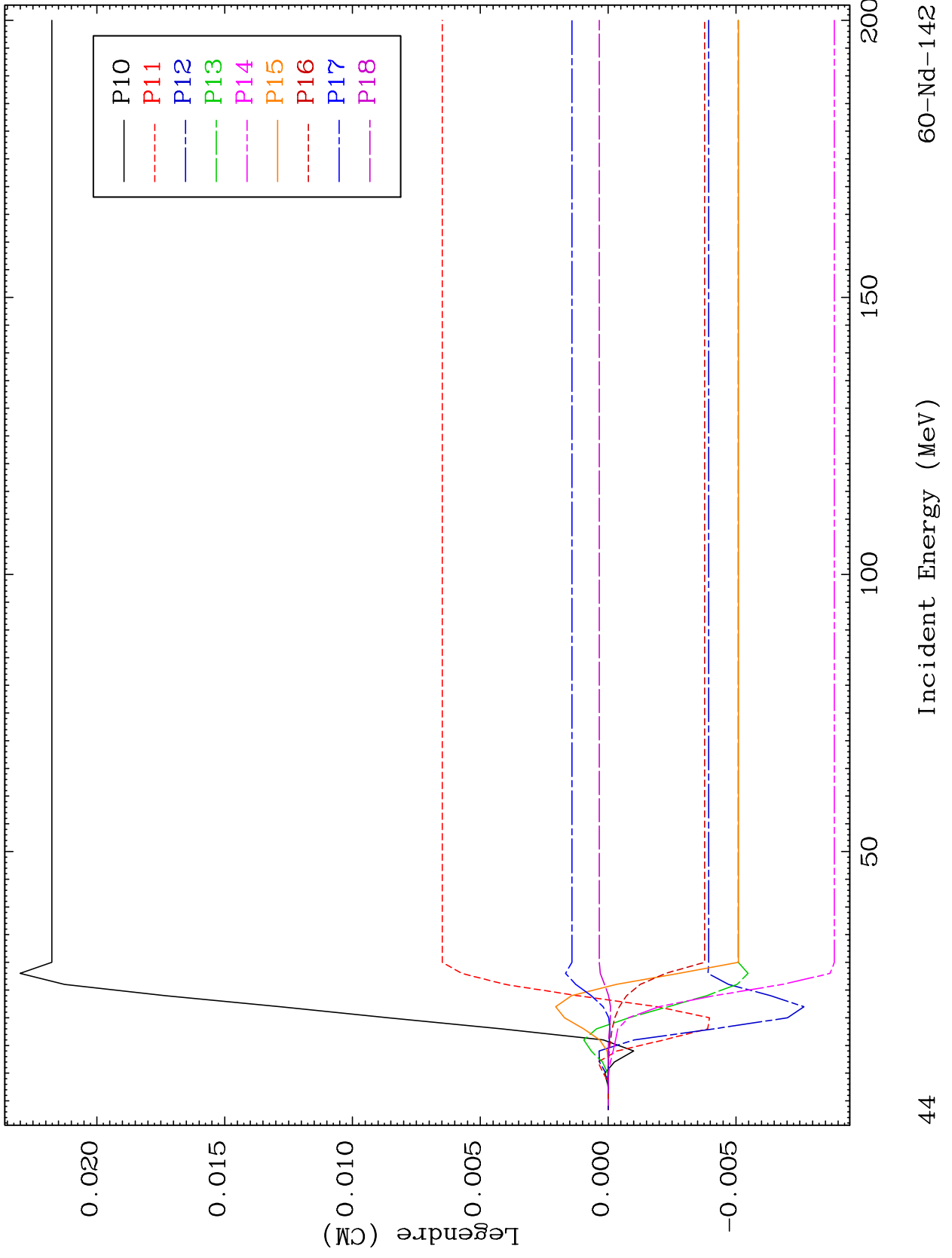
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60-Nd-142

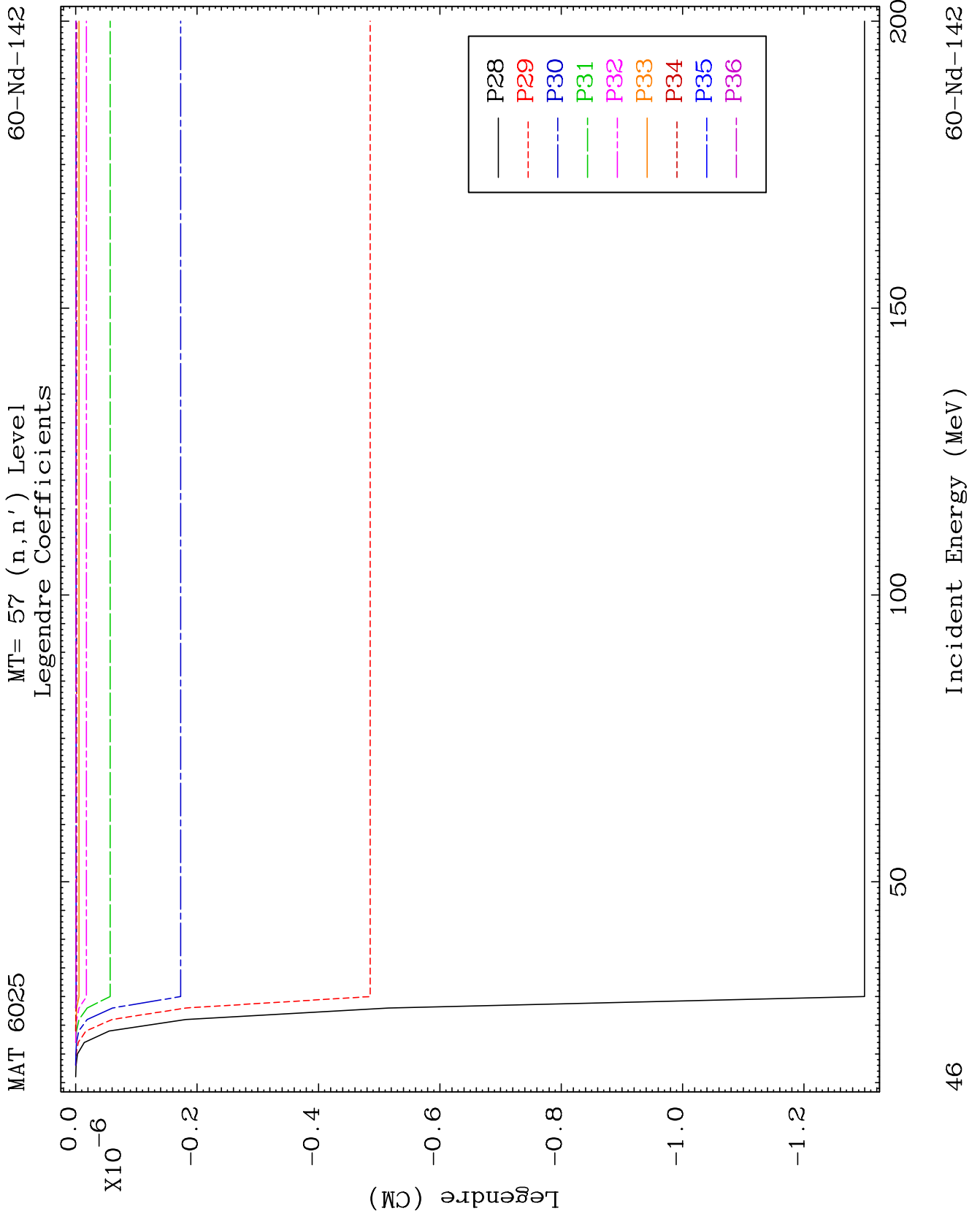
MAT 6025

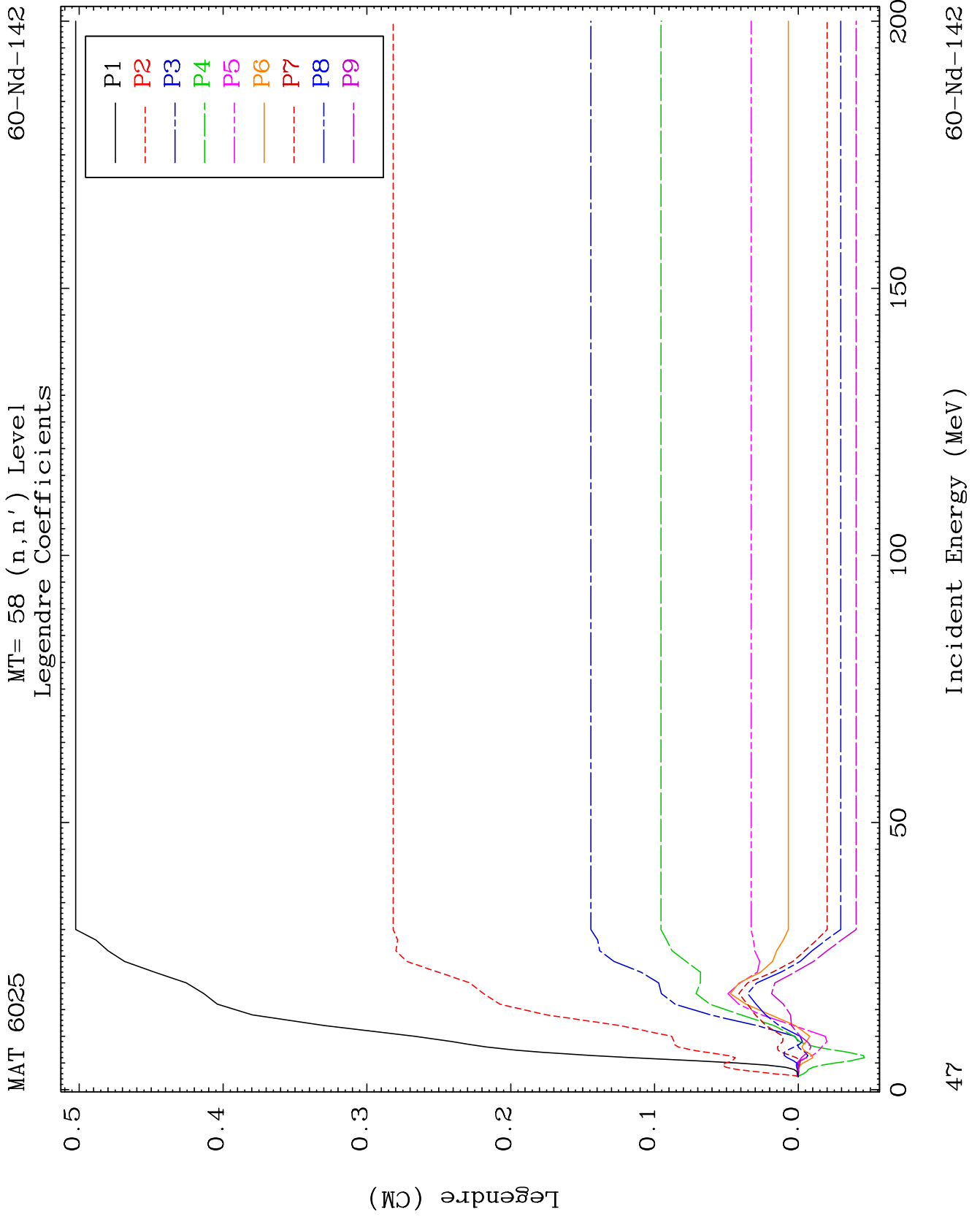
MT= 57 (n,n') Level  
Legendre Coefficients

60-Nd-142

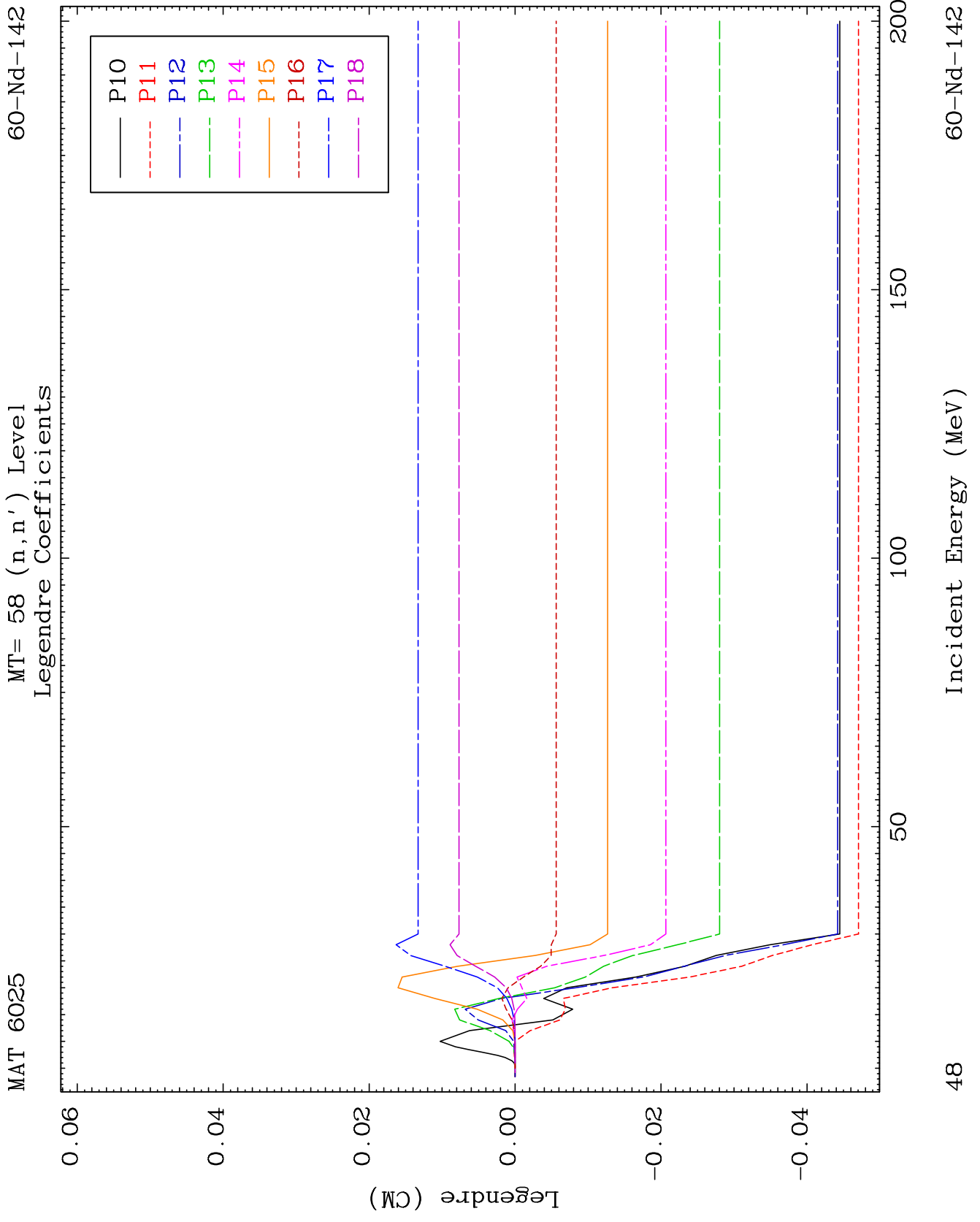


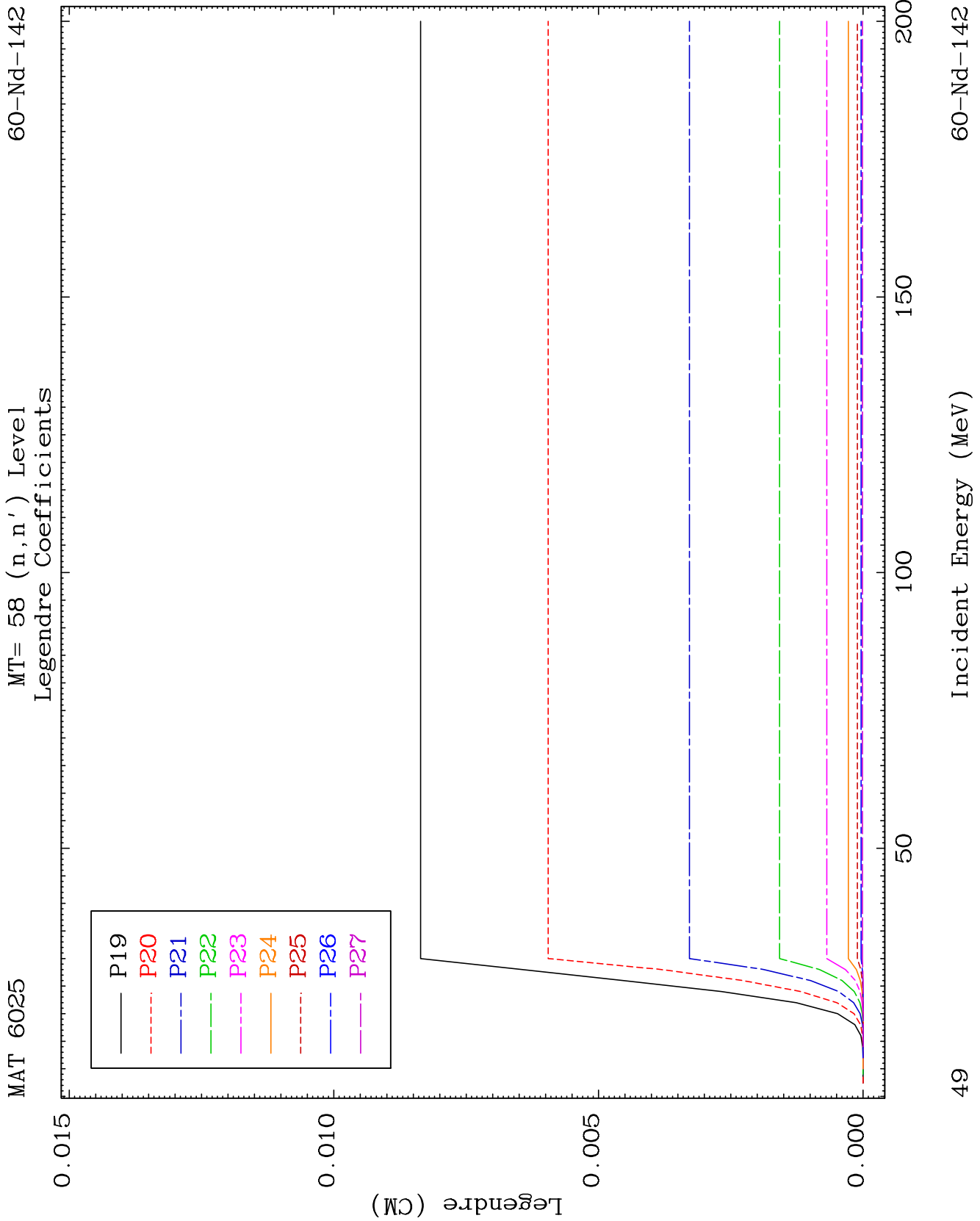








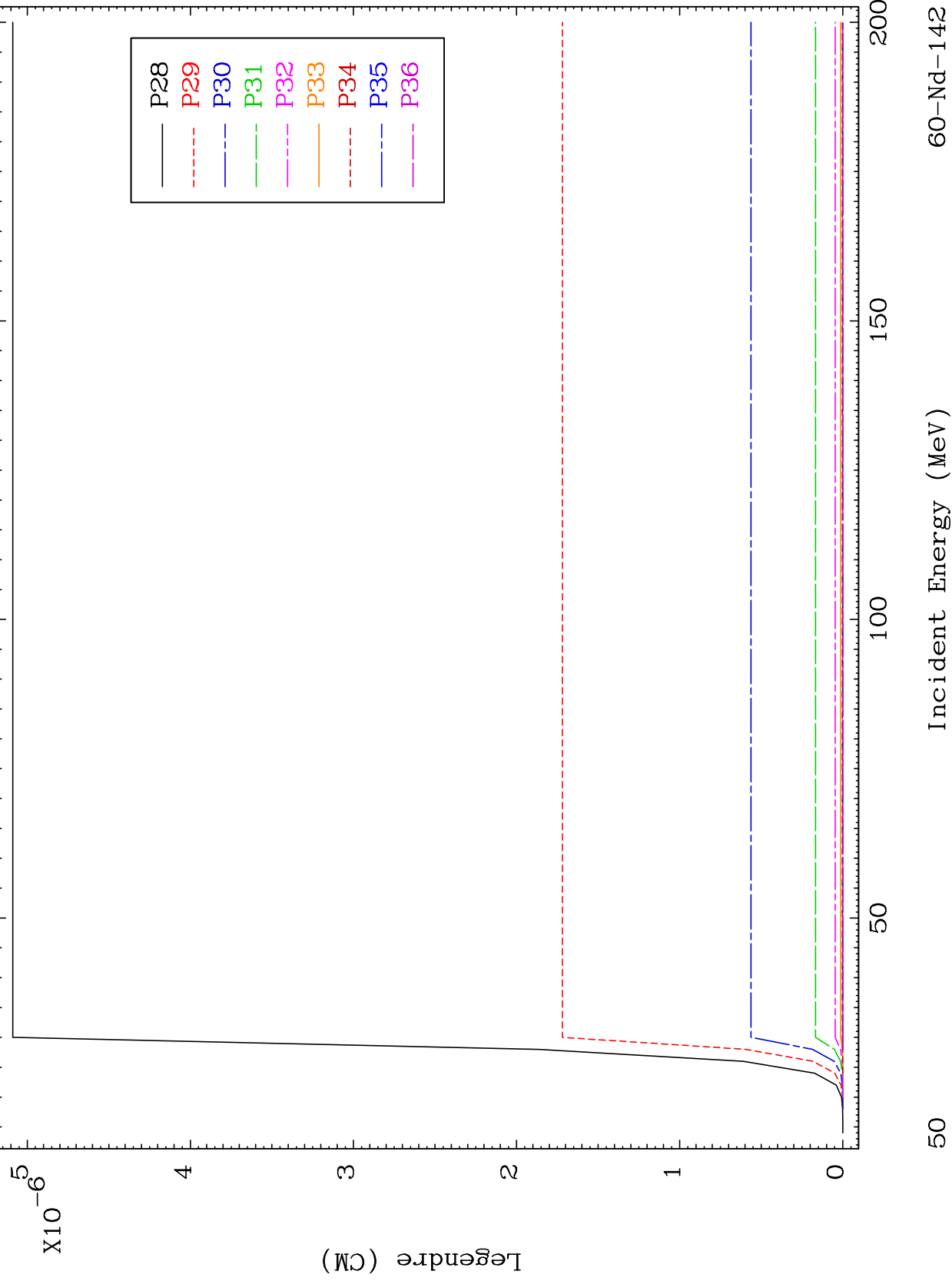




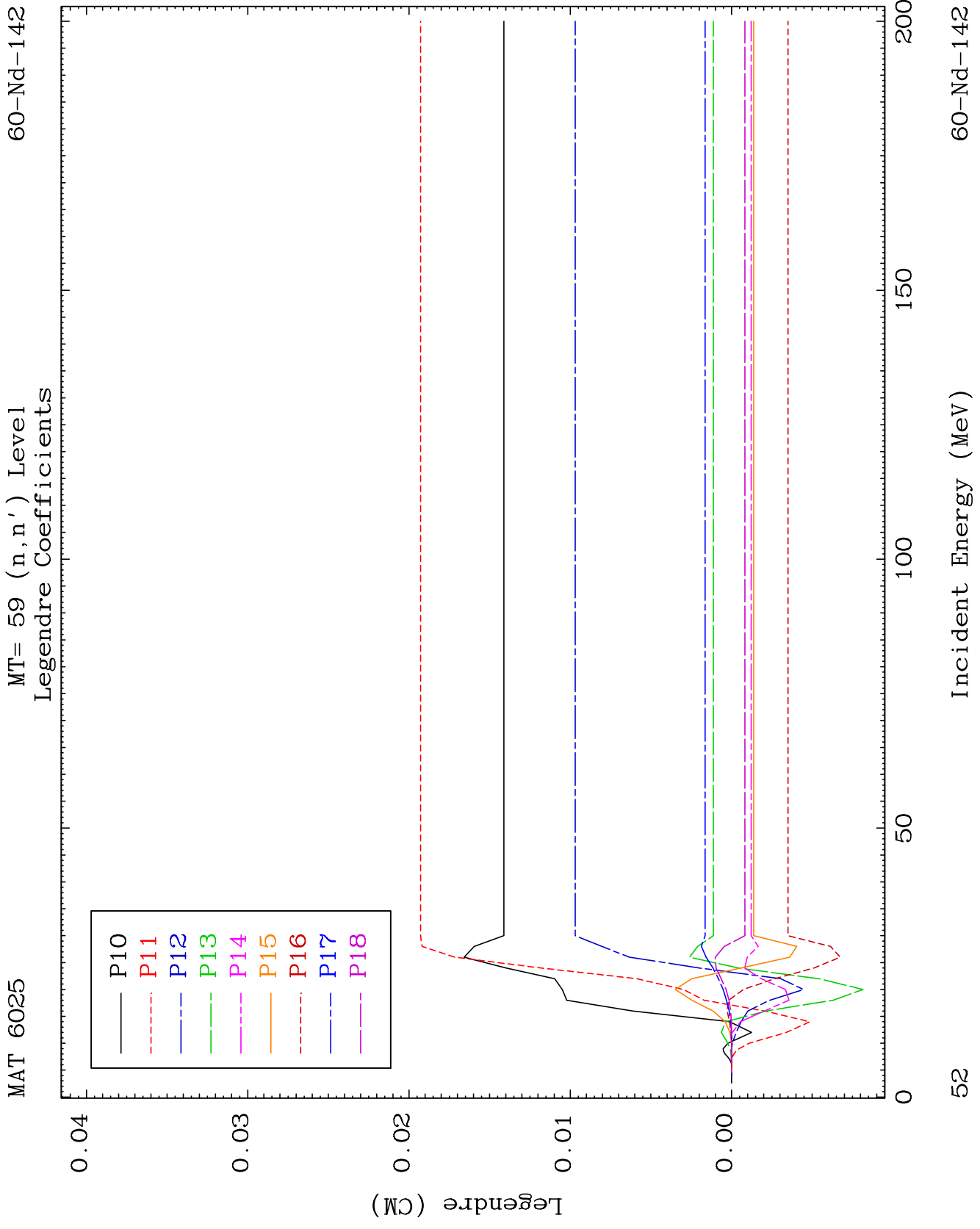
MAT 6025

MT= 58 (n,n') Level  
Legendre Coefficients

60-Nd-142



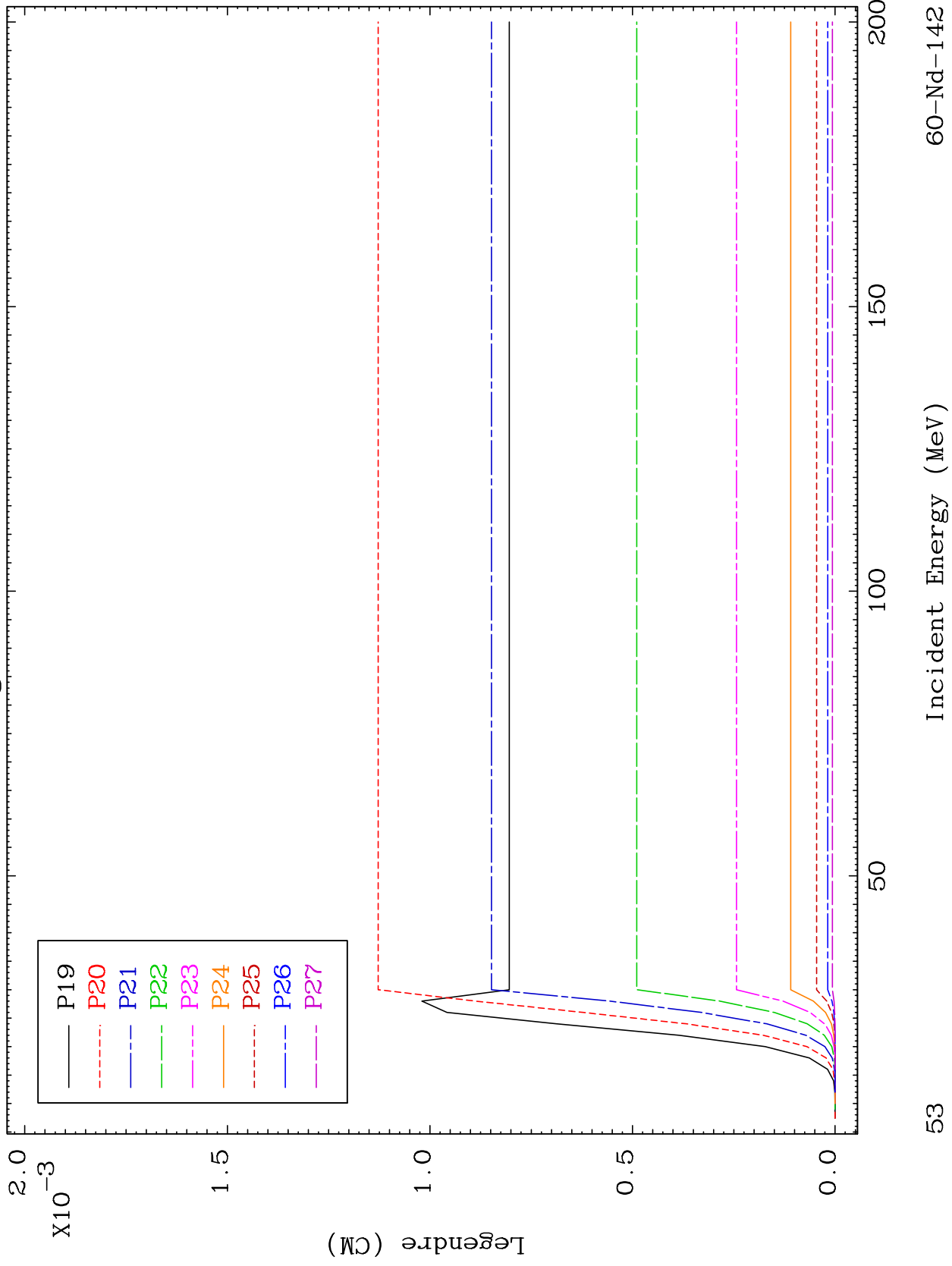




MAT 6025

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

60-Nd-142

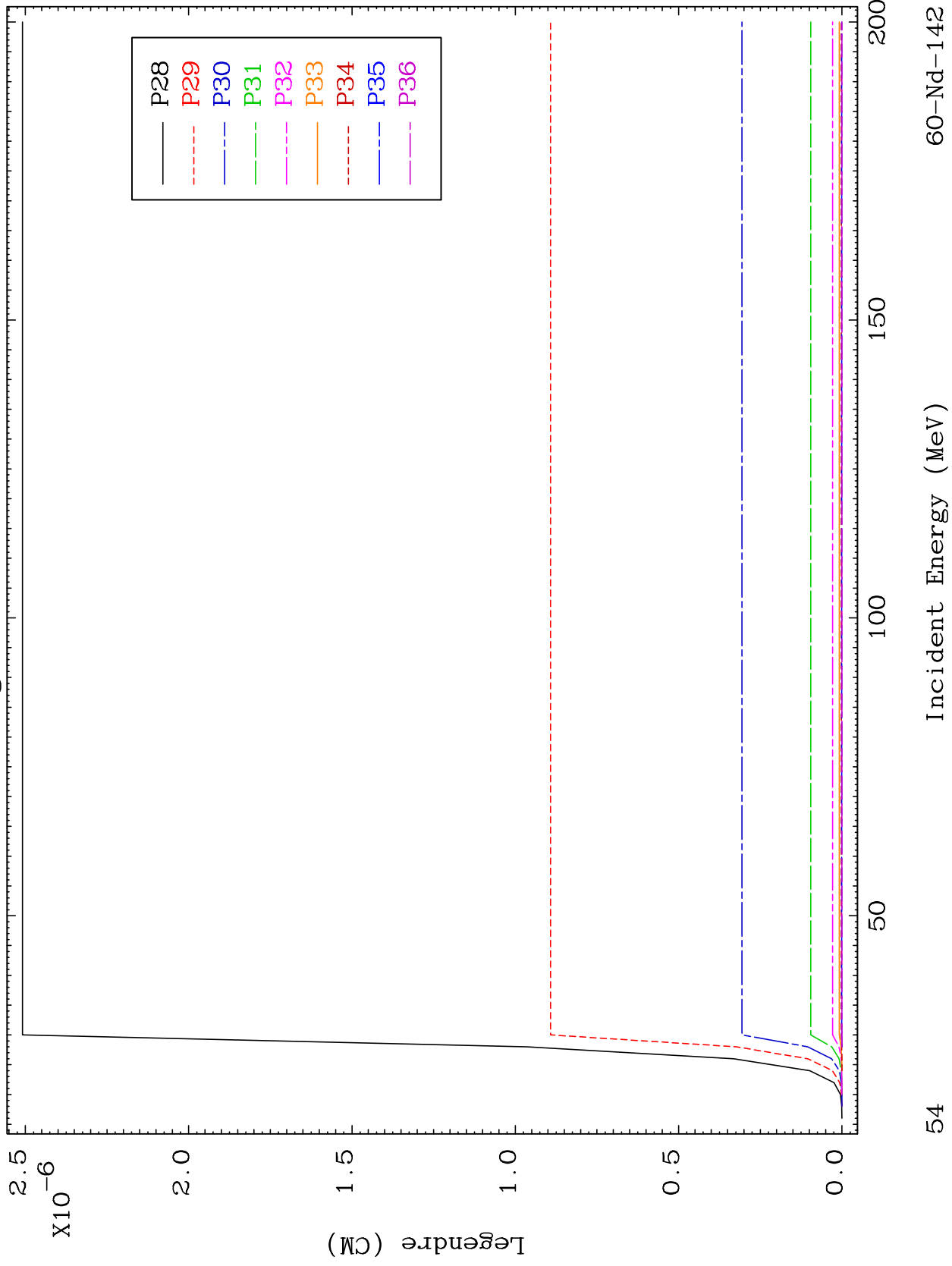


53

MAT 6025

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

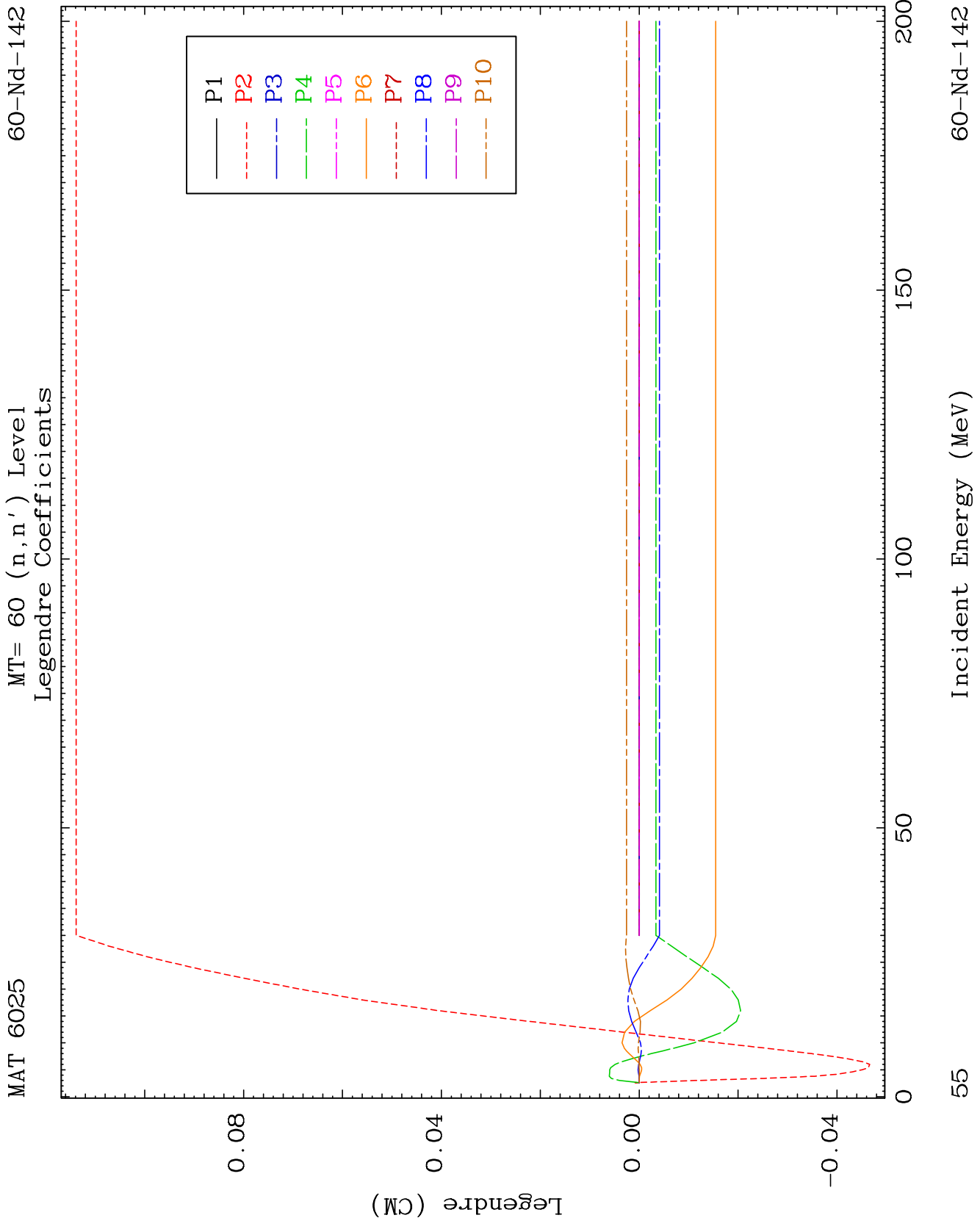
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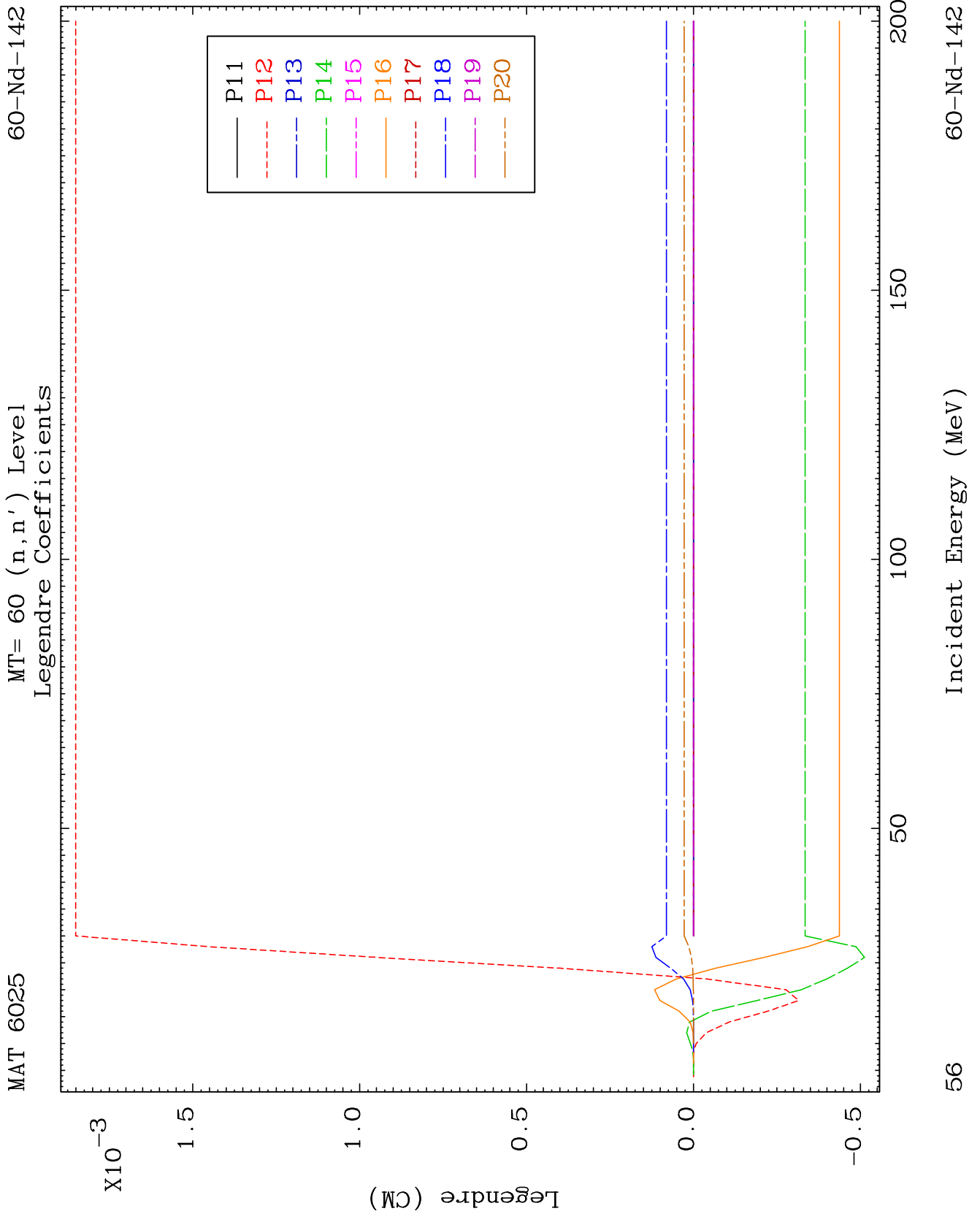
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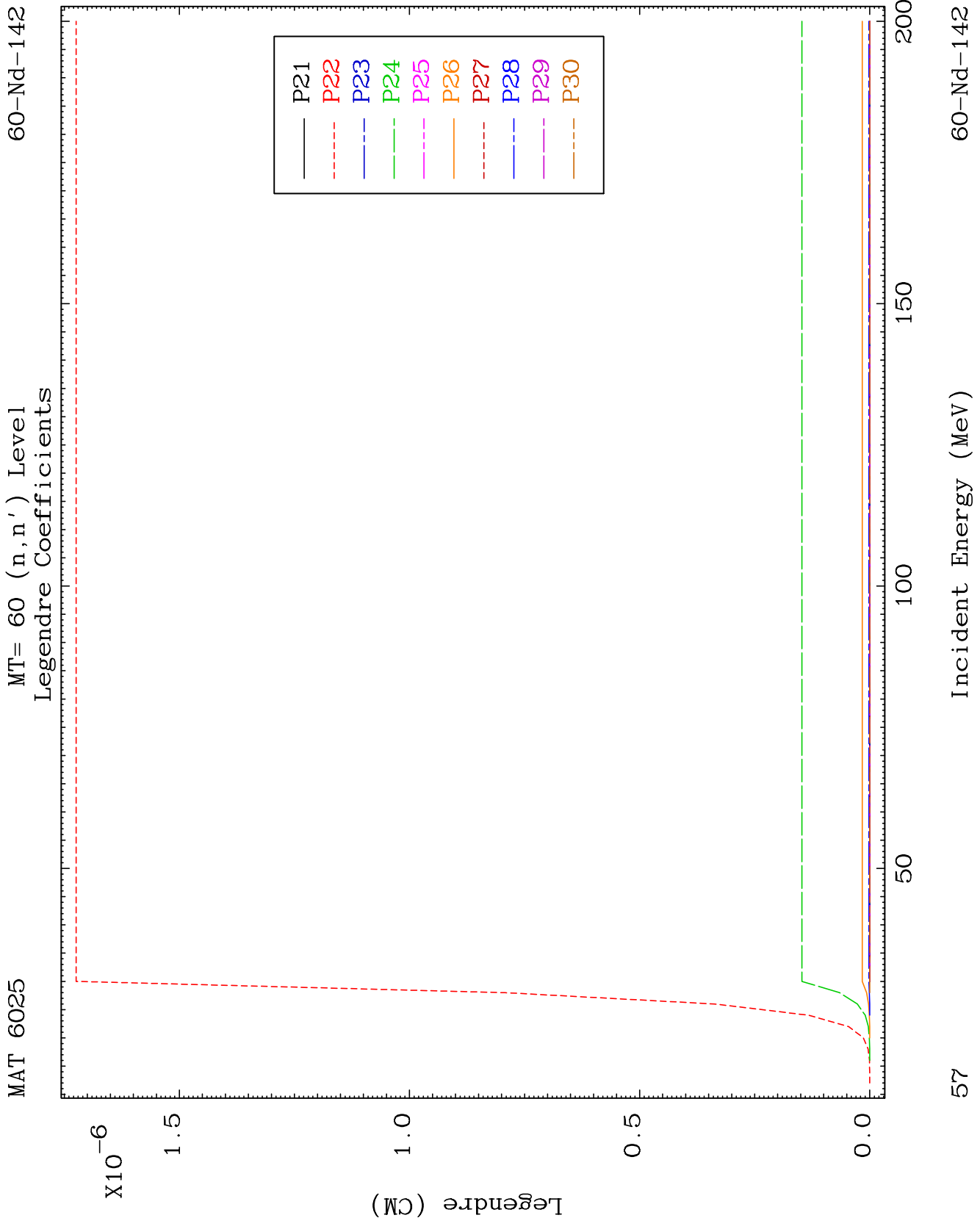
Incident Energy (MeV)

60-Nd-142





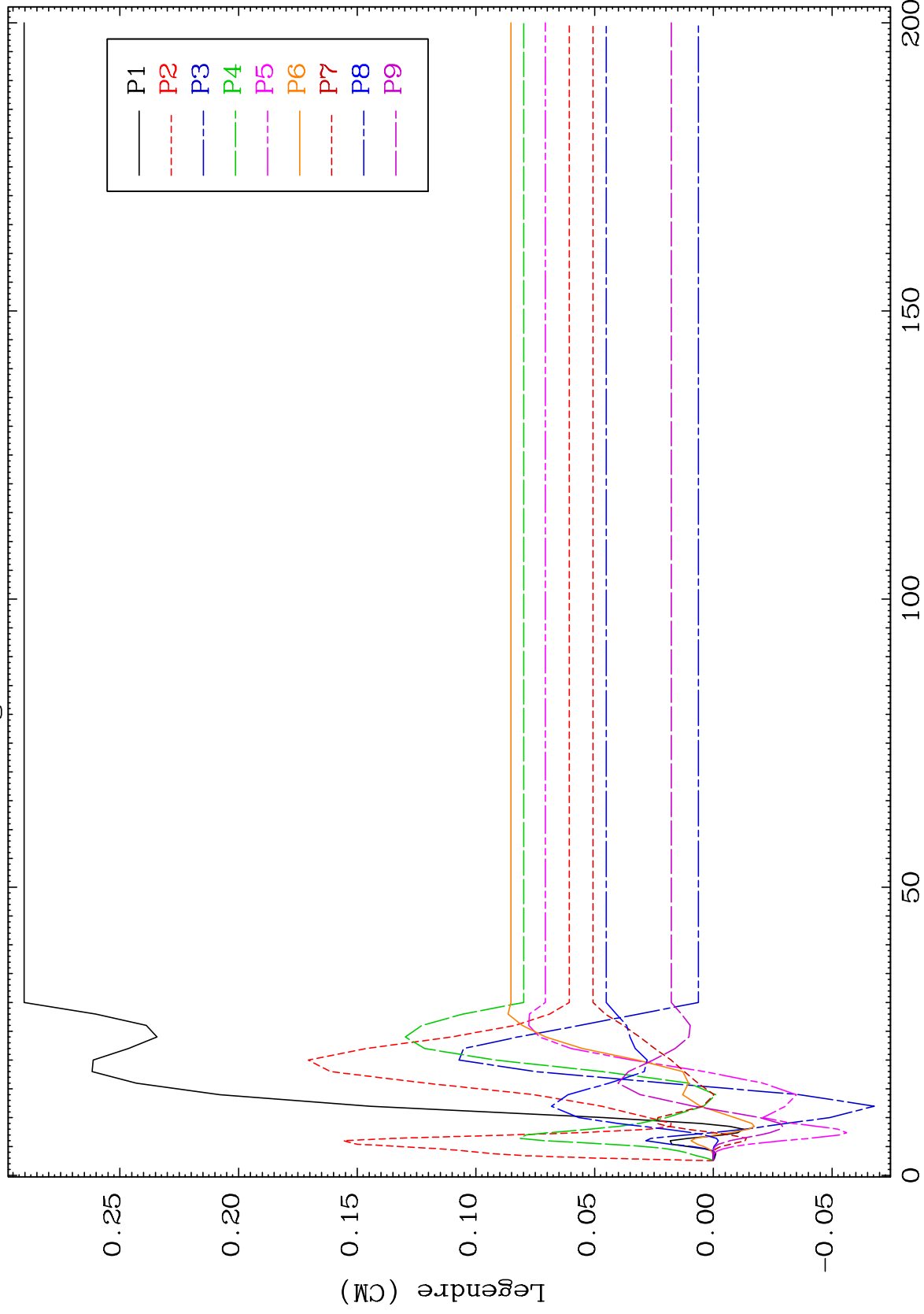




MAT 6025

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

60-Nd-142



58

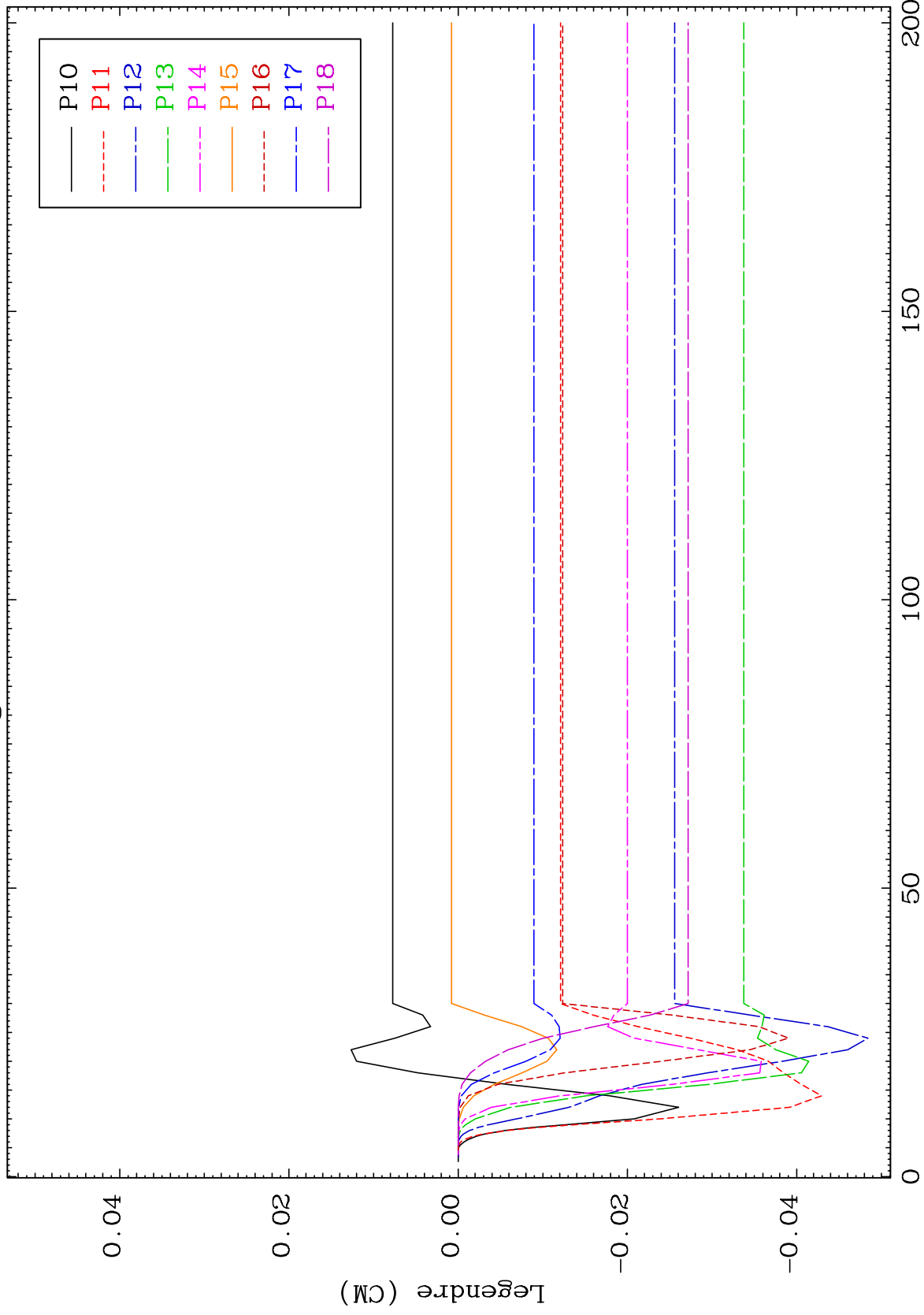
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

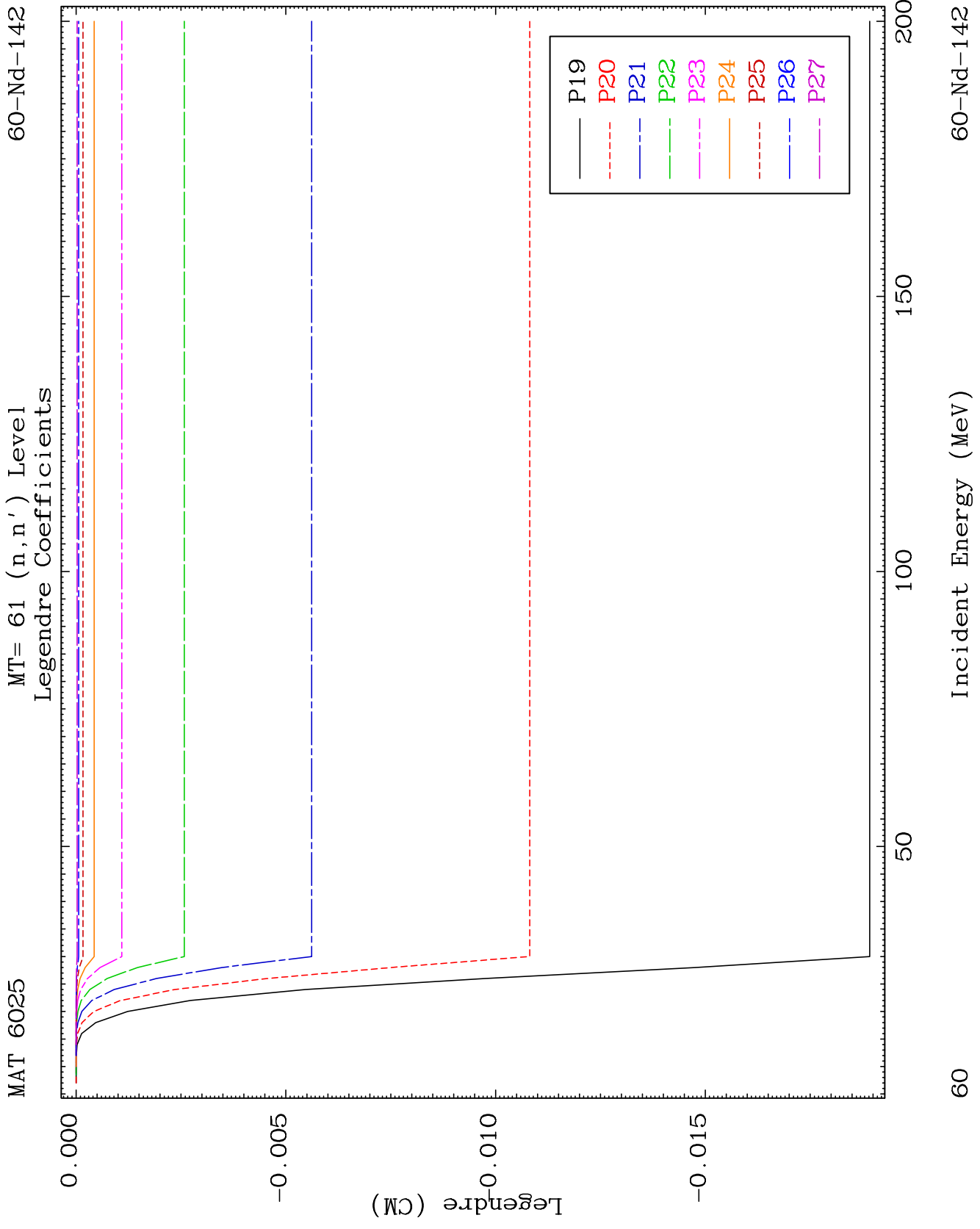
60-Nd-142

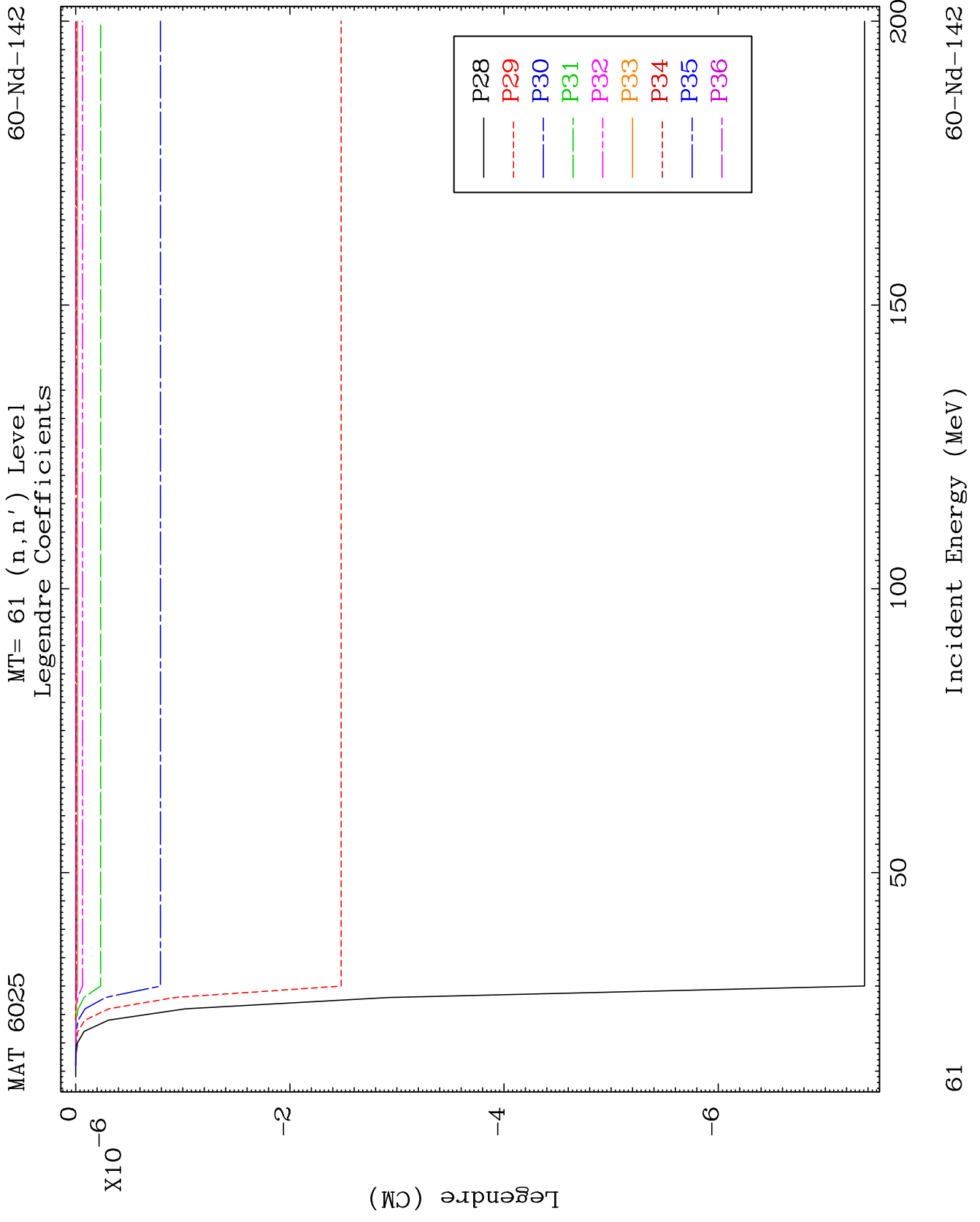


59

Incident Energy (MeV)

60-Nd-142

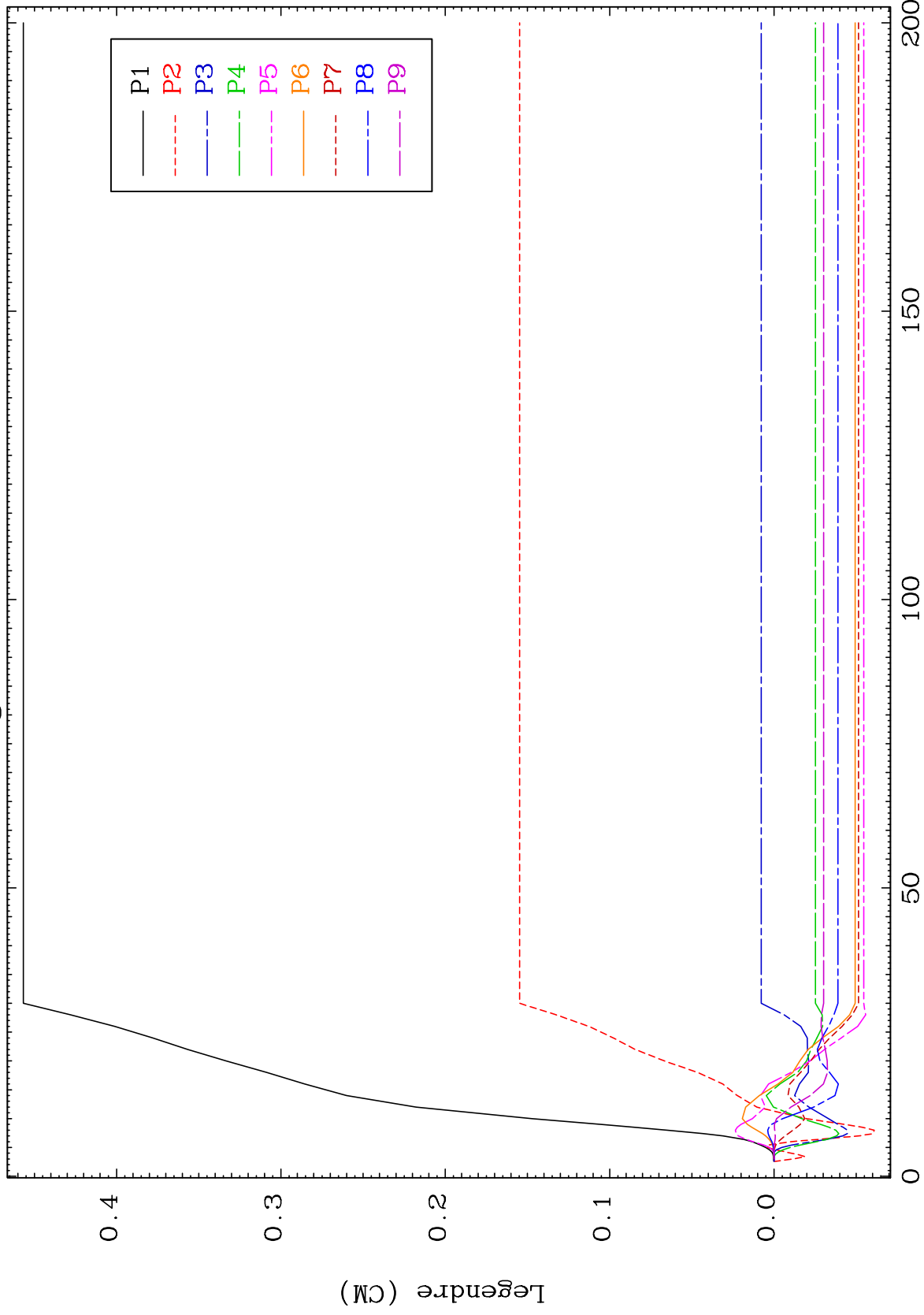




MAT 6025

MT= 62 (n,n') Level  
Legendre Coefficients

60-Nd-142



62

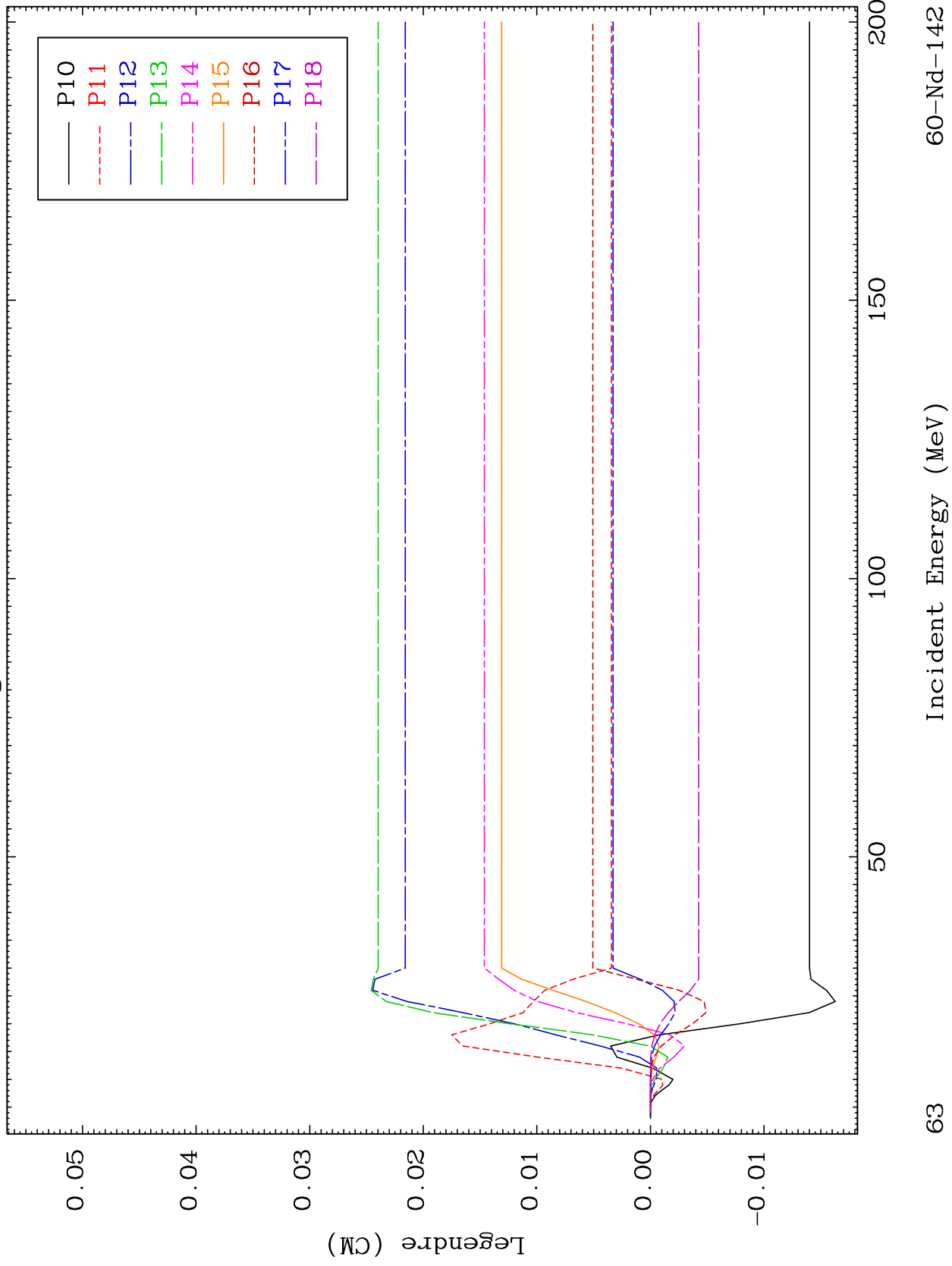
Incident Energy (MeV)

60-Nd-142

MAT 6025

MT= 62 (n,n') Level  
Legendre Coefficients

60-Nd-142



63

Incident Energy (MeV)

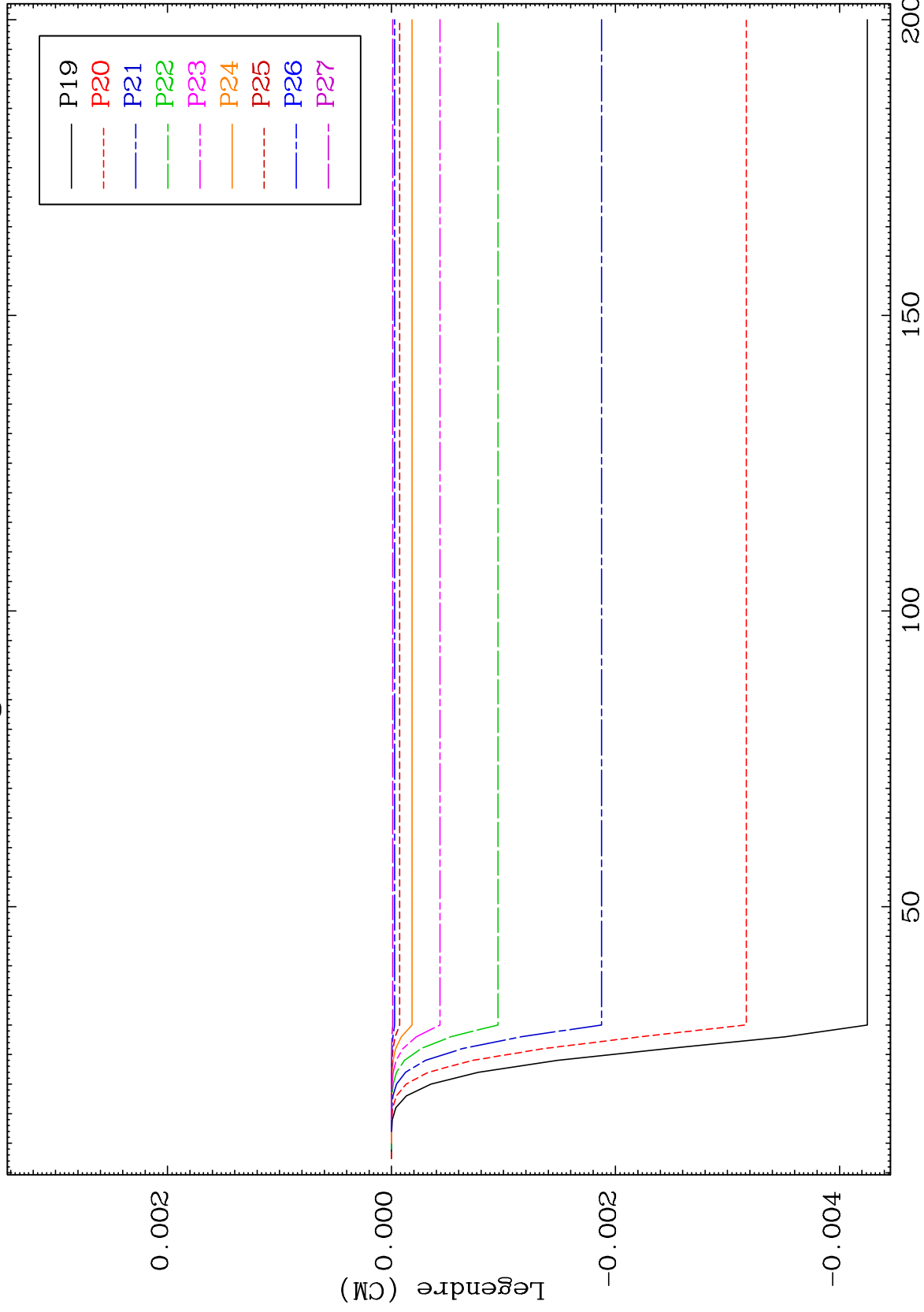
60-Nd-142



MAT 6025

MT= 62 (n,n') Level  
Legendre Coefficients

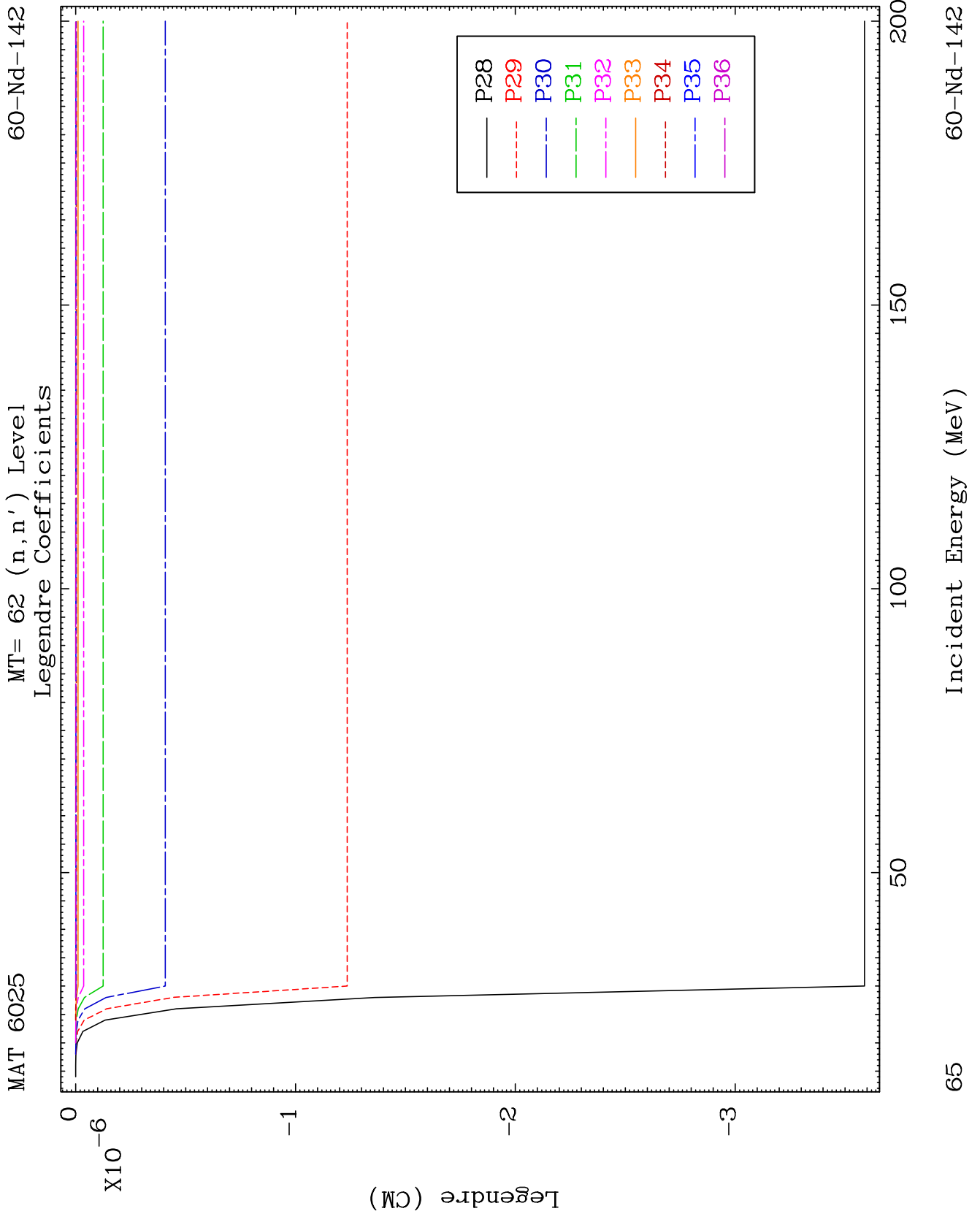
60-Nd-142



64

Incident Energy (MeV)

60-Nd-142



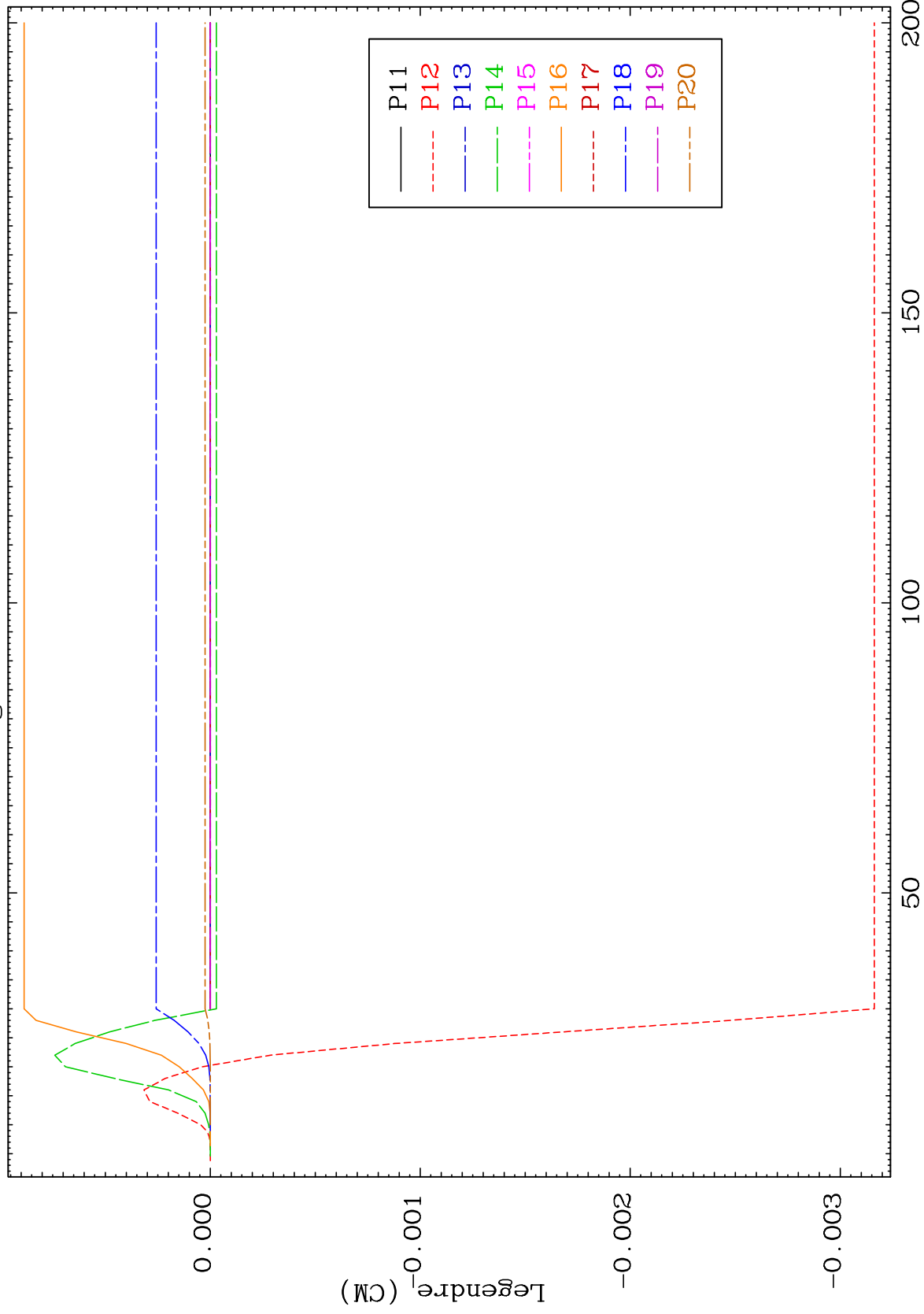


MAT 6025

MT= 63 (n,n') Level

60-Nd-142

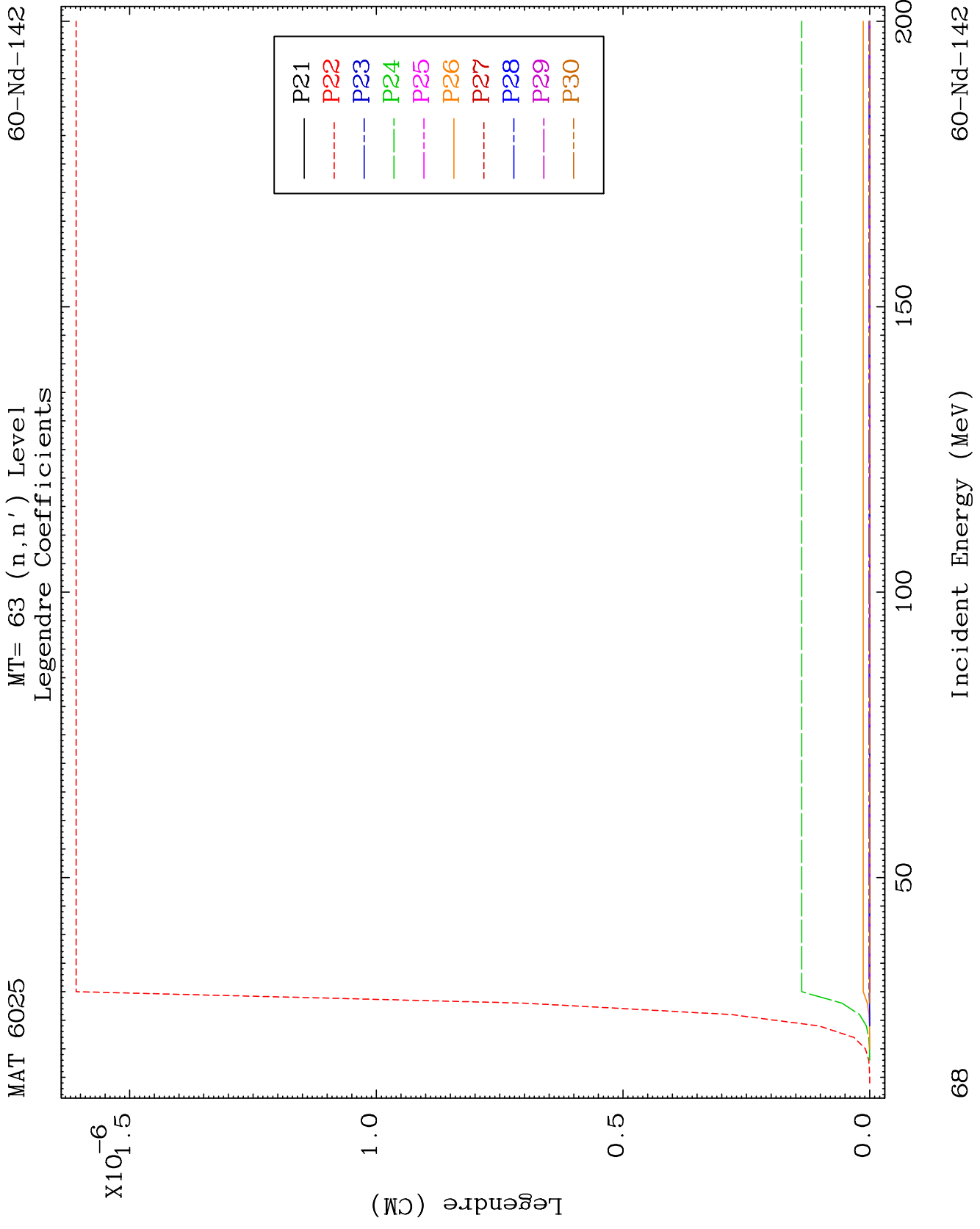
Legendre Coefficients

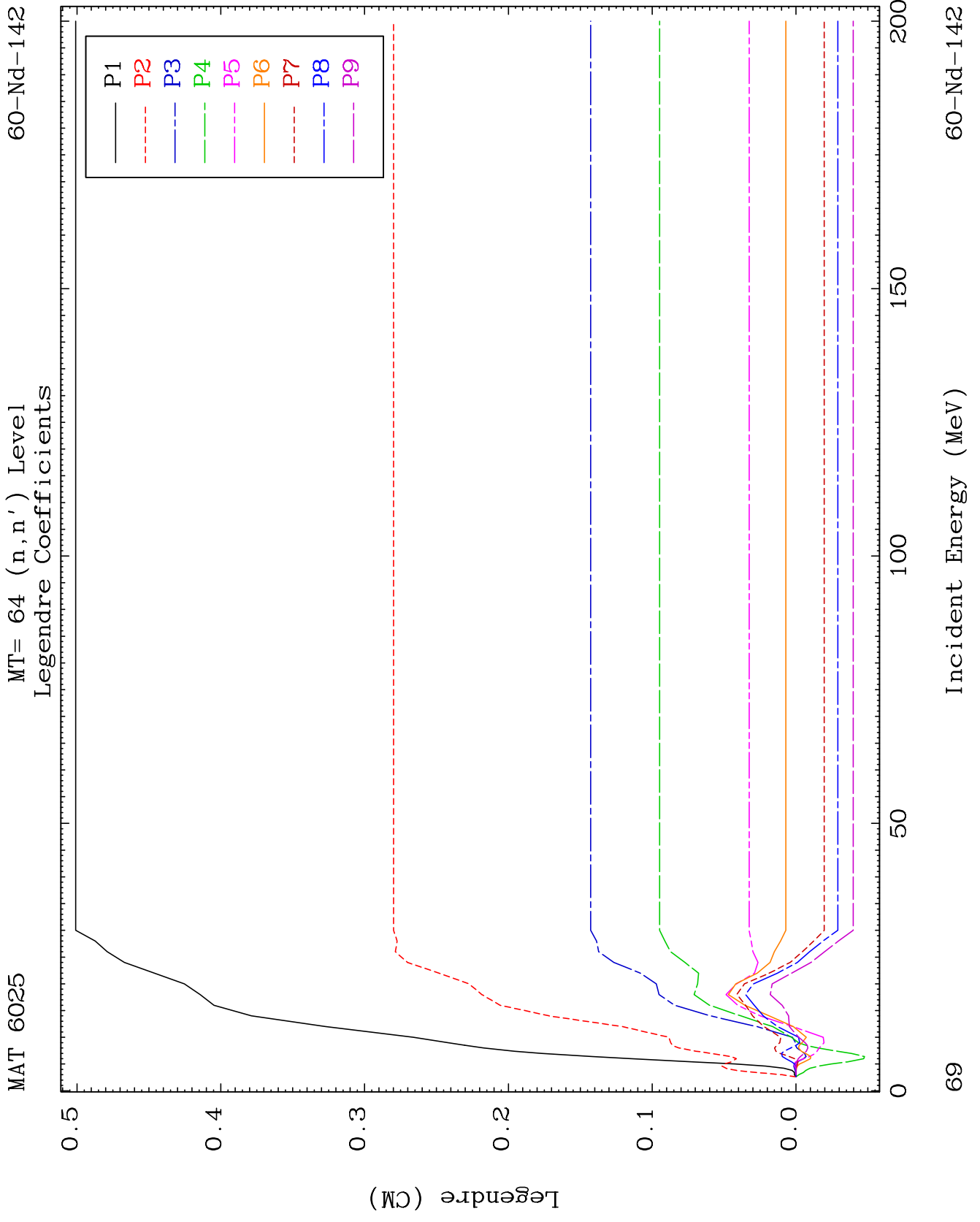


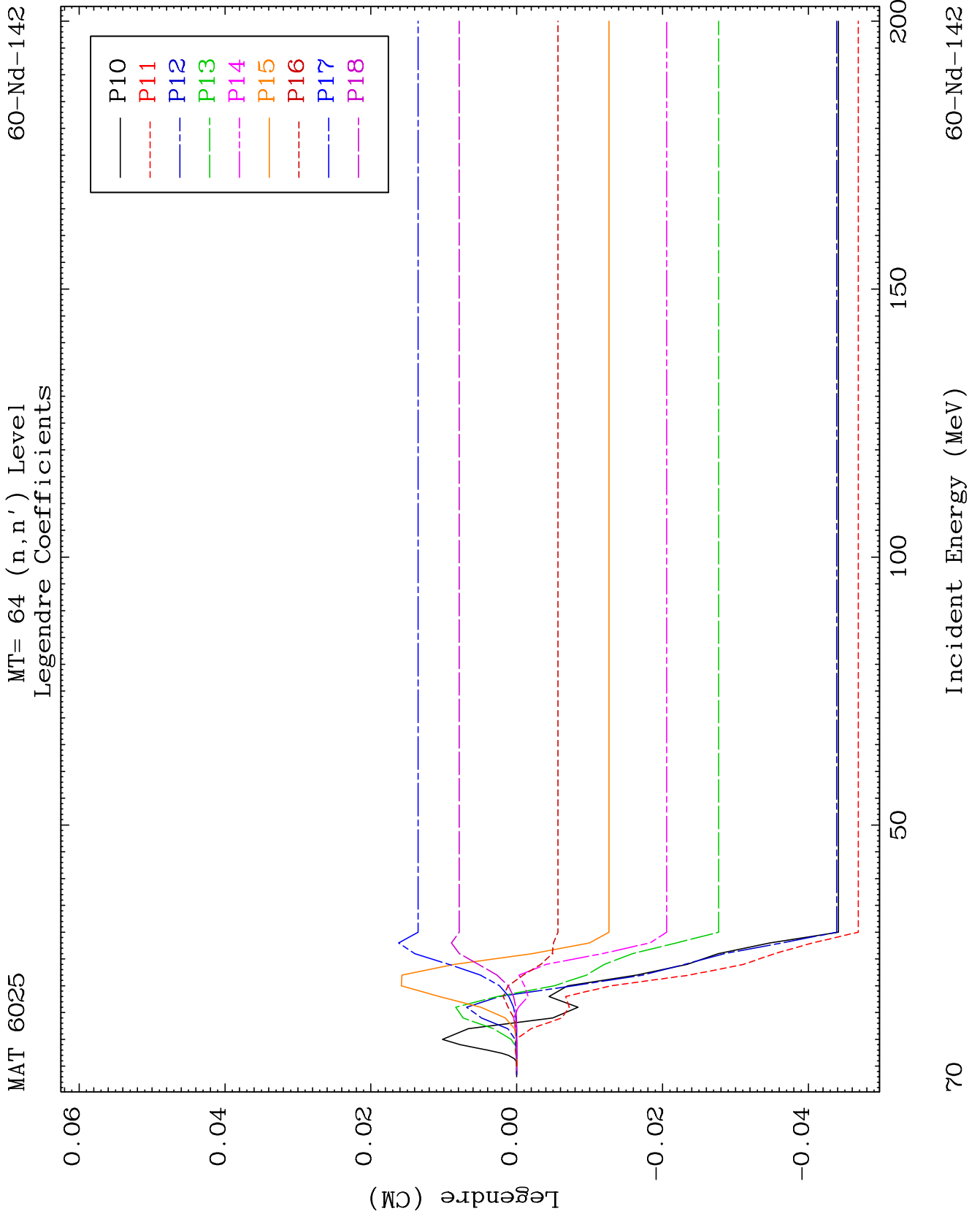
67

Incident Energy (MeV)

60-Nd-142



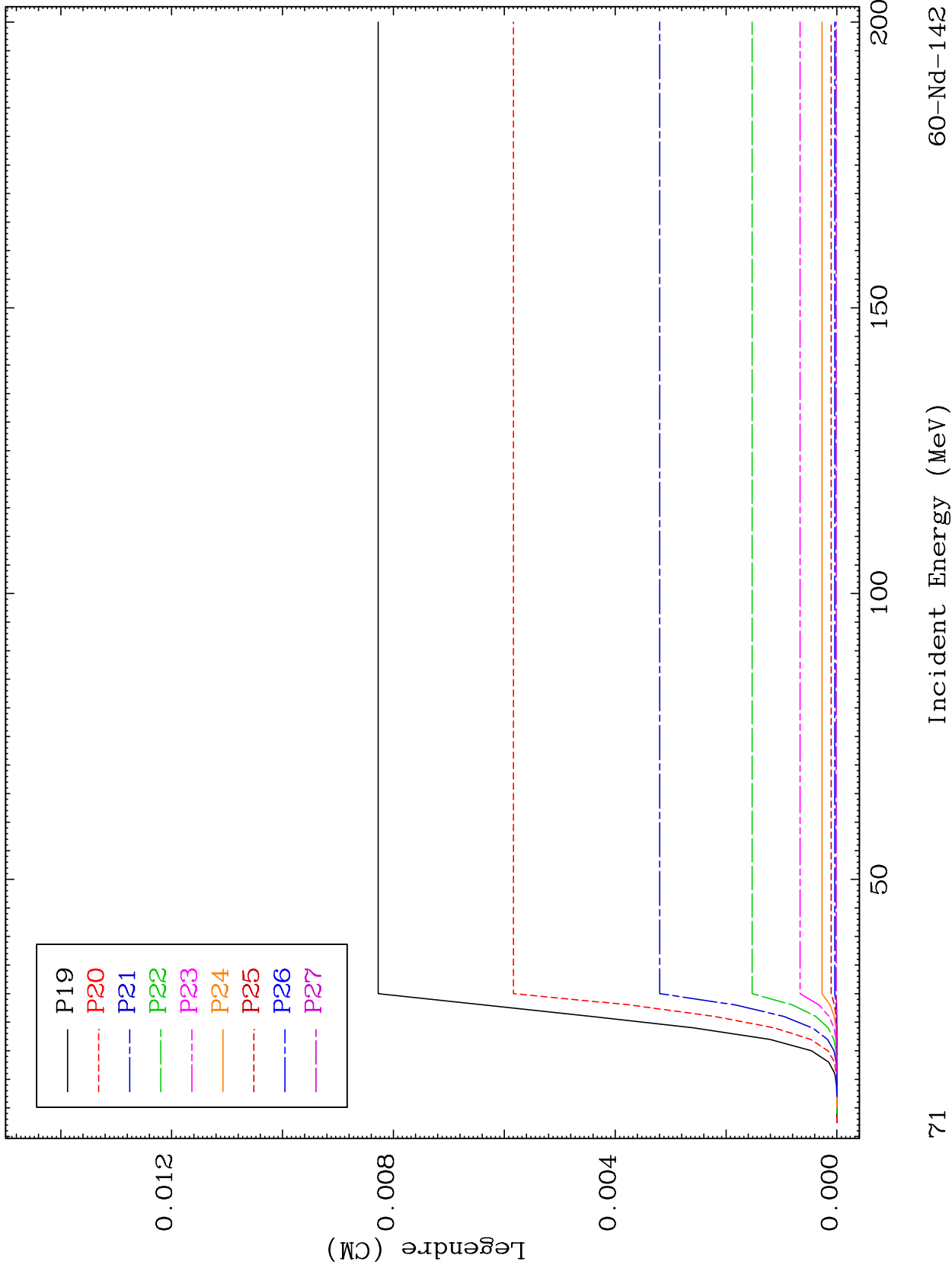




MAT 6025

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

60-Nd-142



71

Incident Energy (MeV)

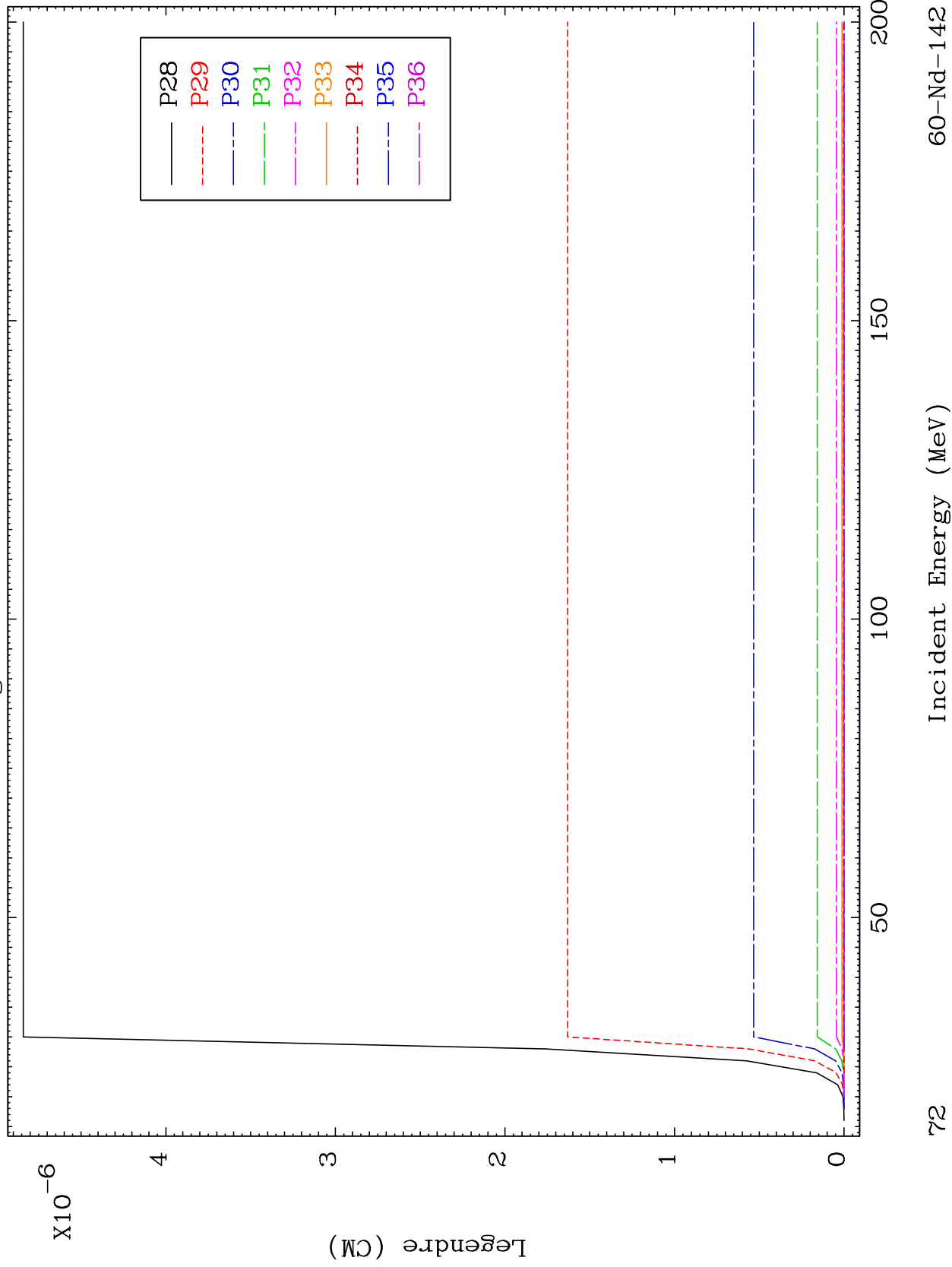
60-Nd-142



MAT 6025

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

60-Nd-142

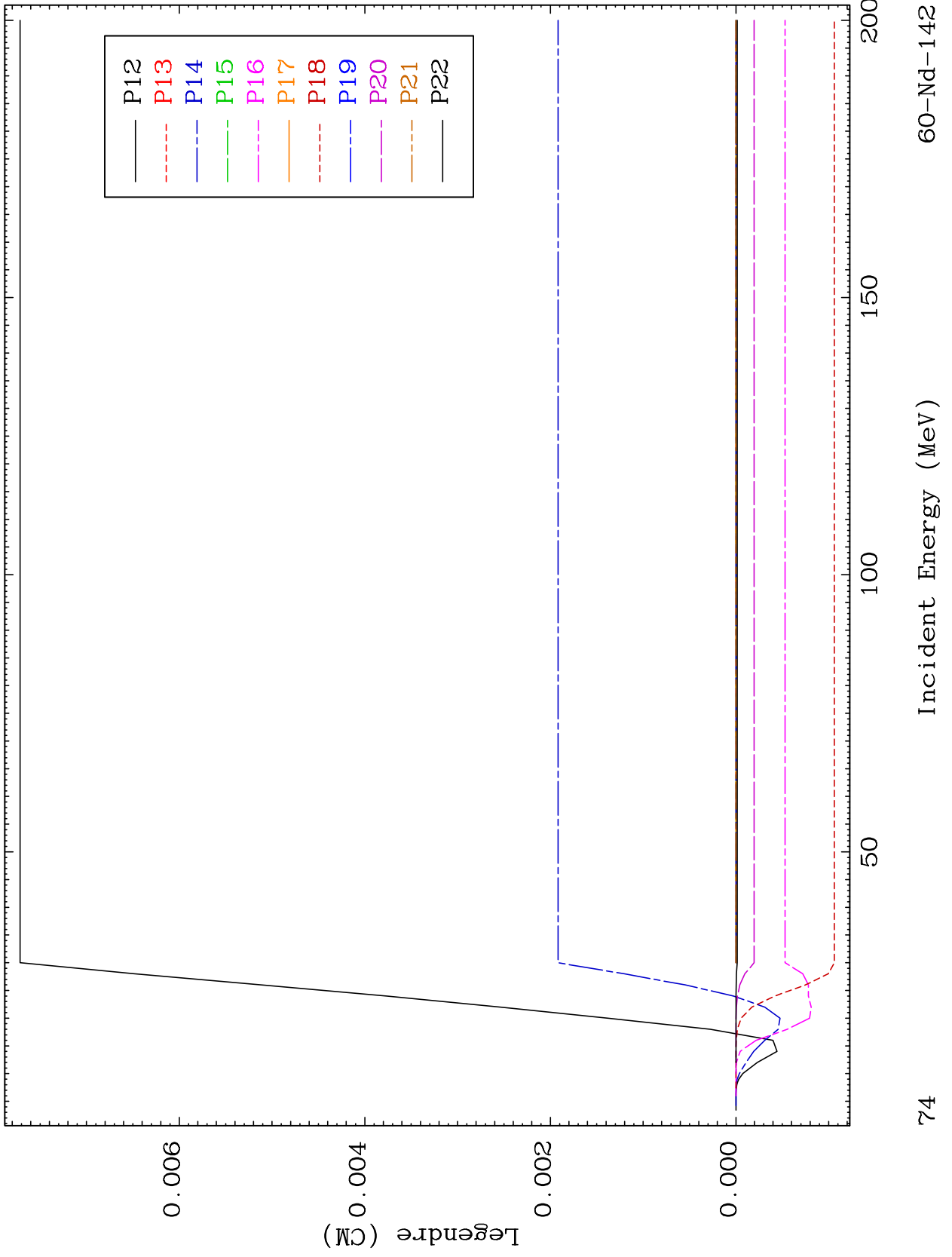




MAT 6025

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

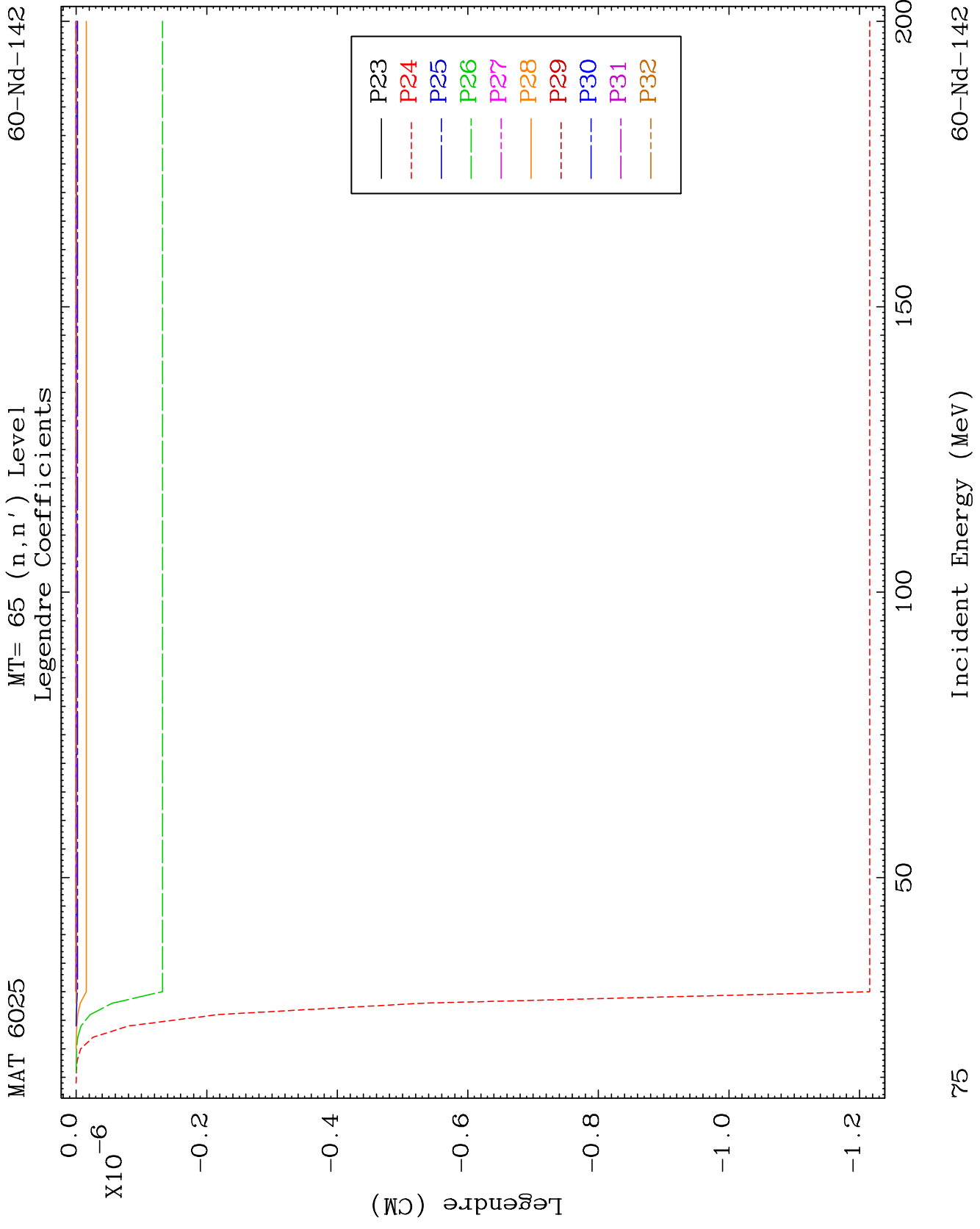
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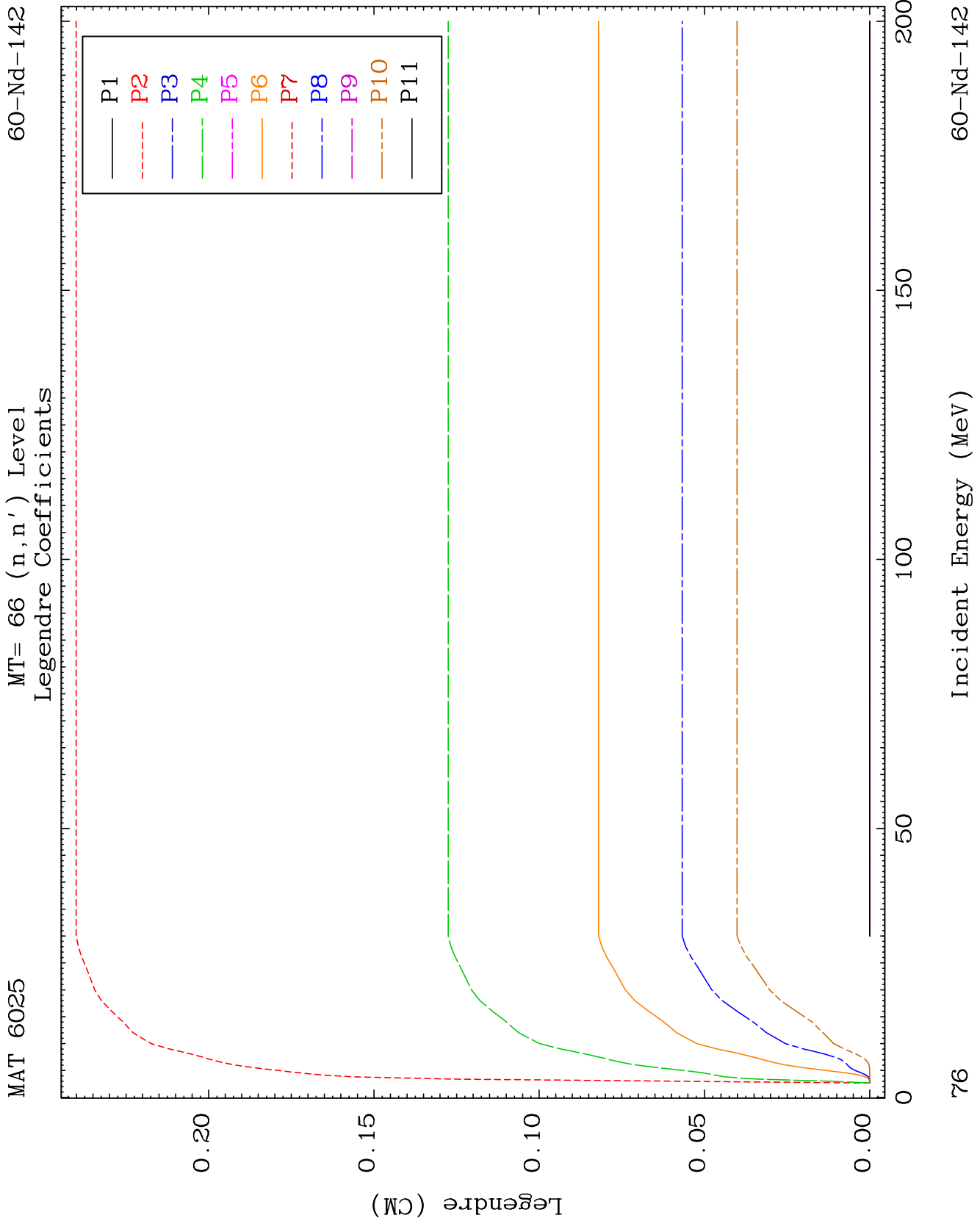


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Incident Energy (MeV)

60-Nd-142

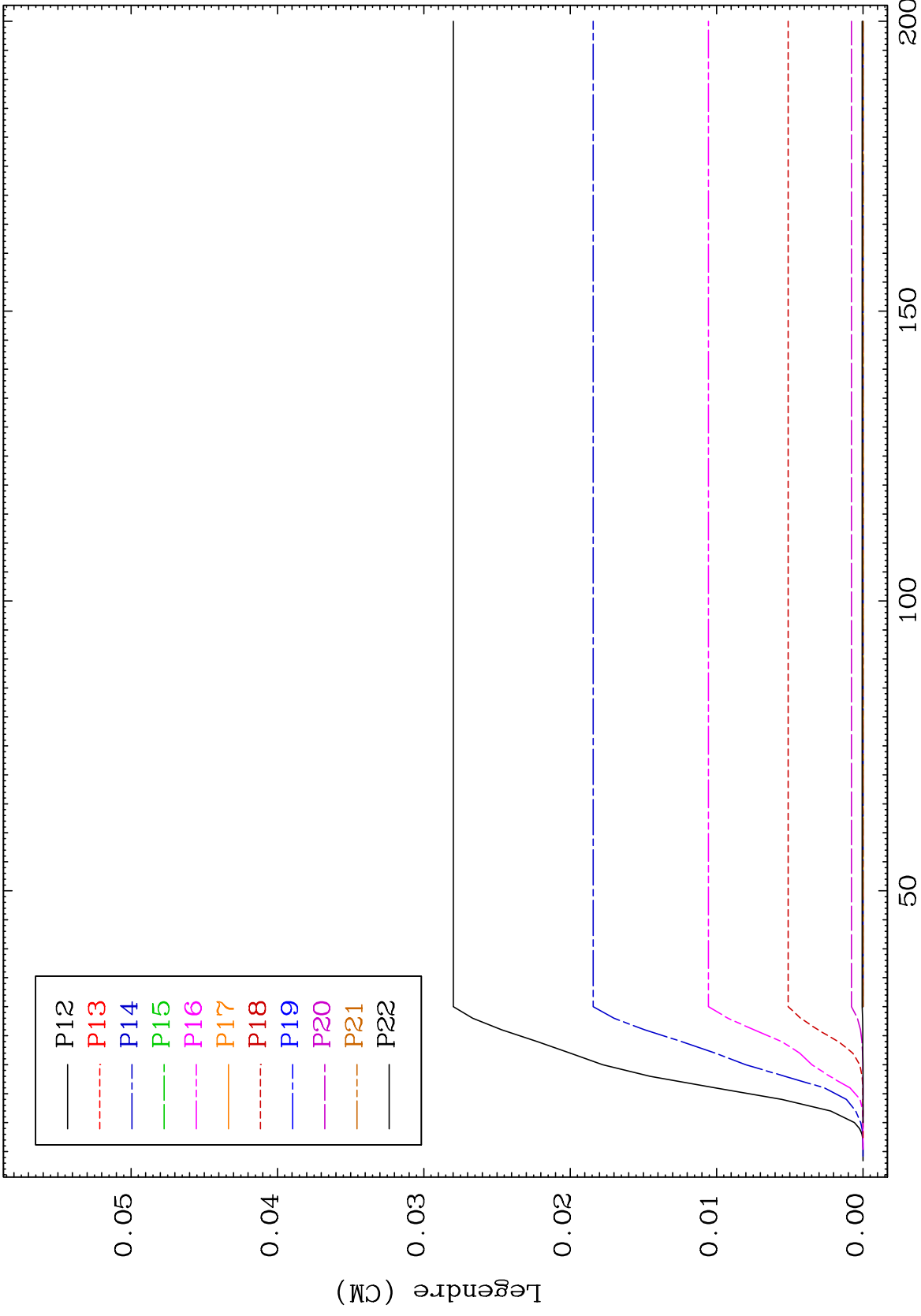




MAT 6025

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

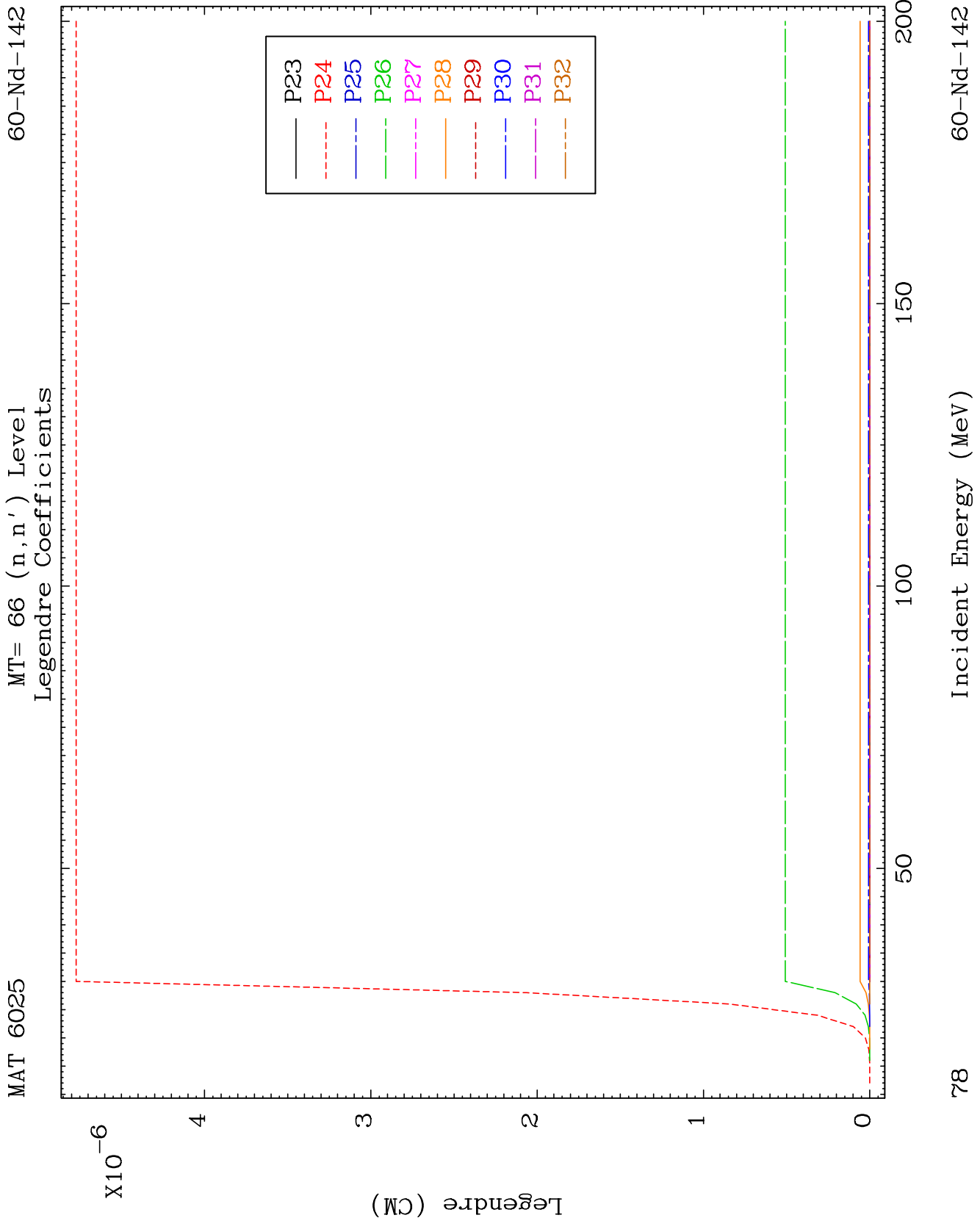
60-Nd-142



77

Incident Energy (MeV)

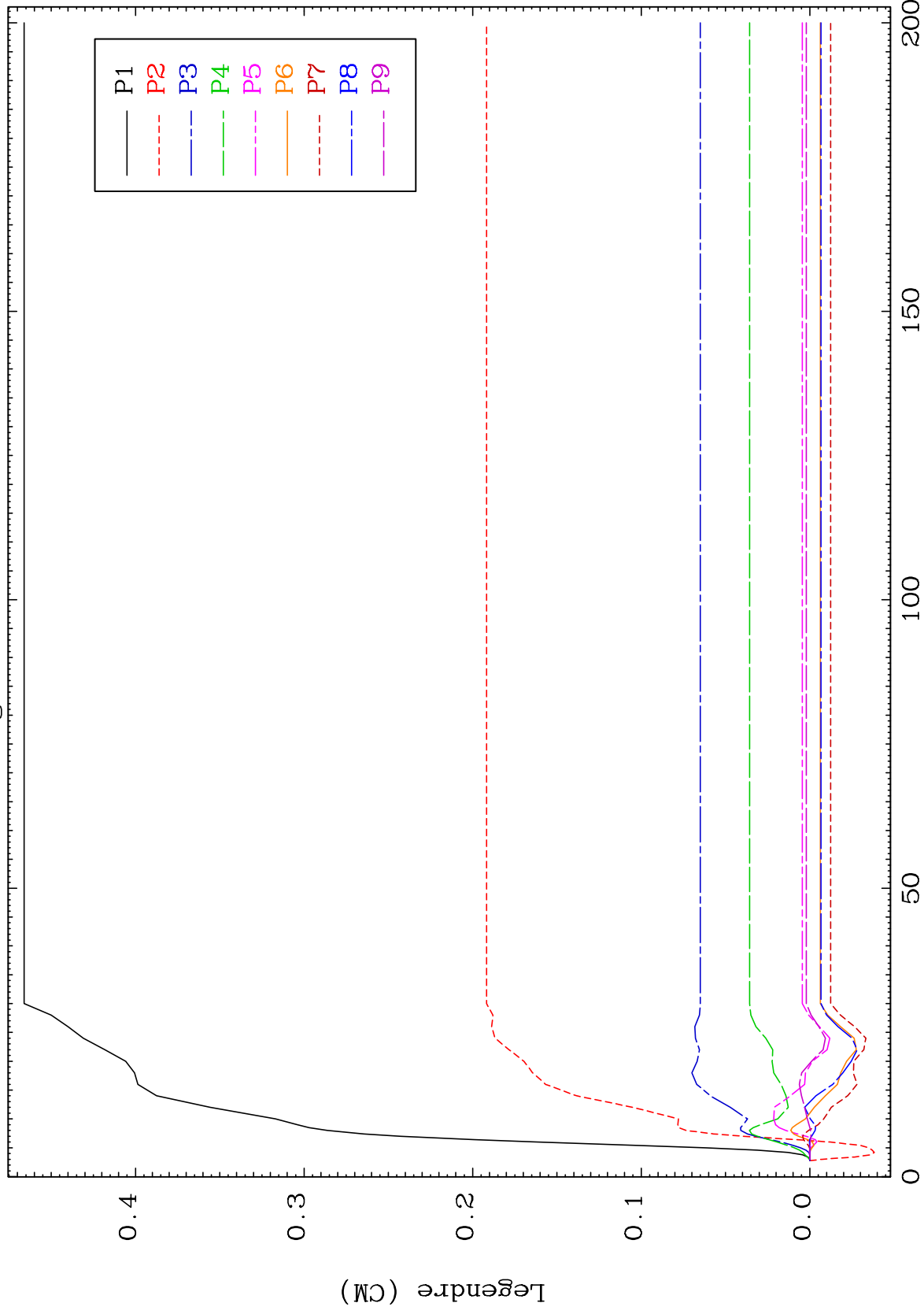
60-Nd-142



MAT 6025

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

60-Nd-142



79

Incident Energy (MeV)

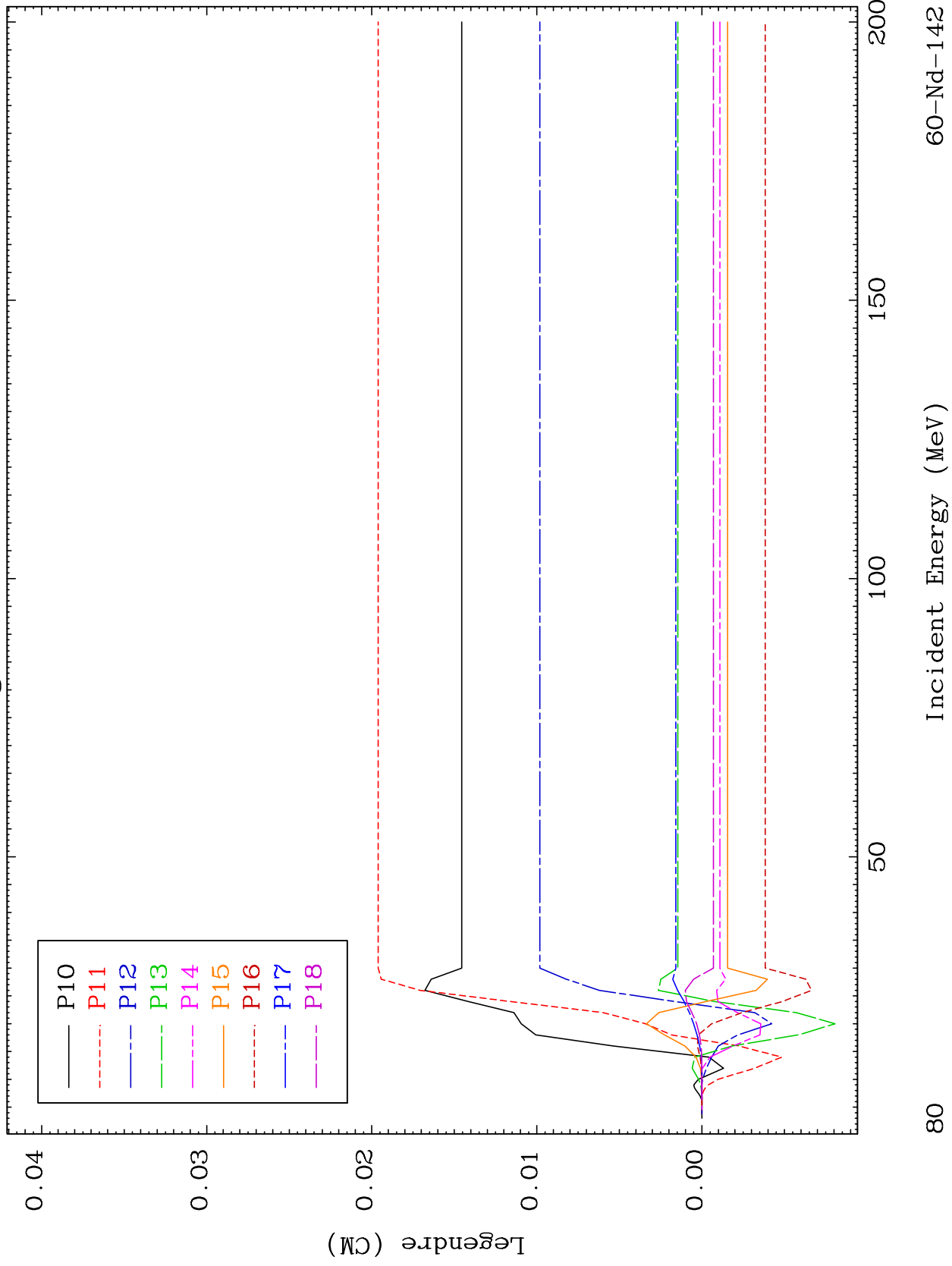
60-Nd-142

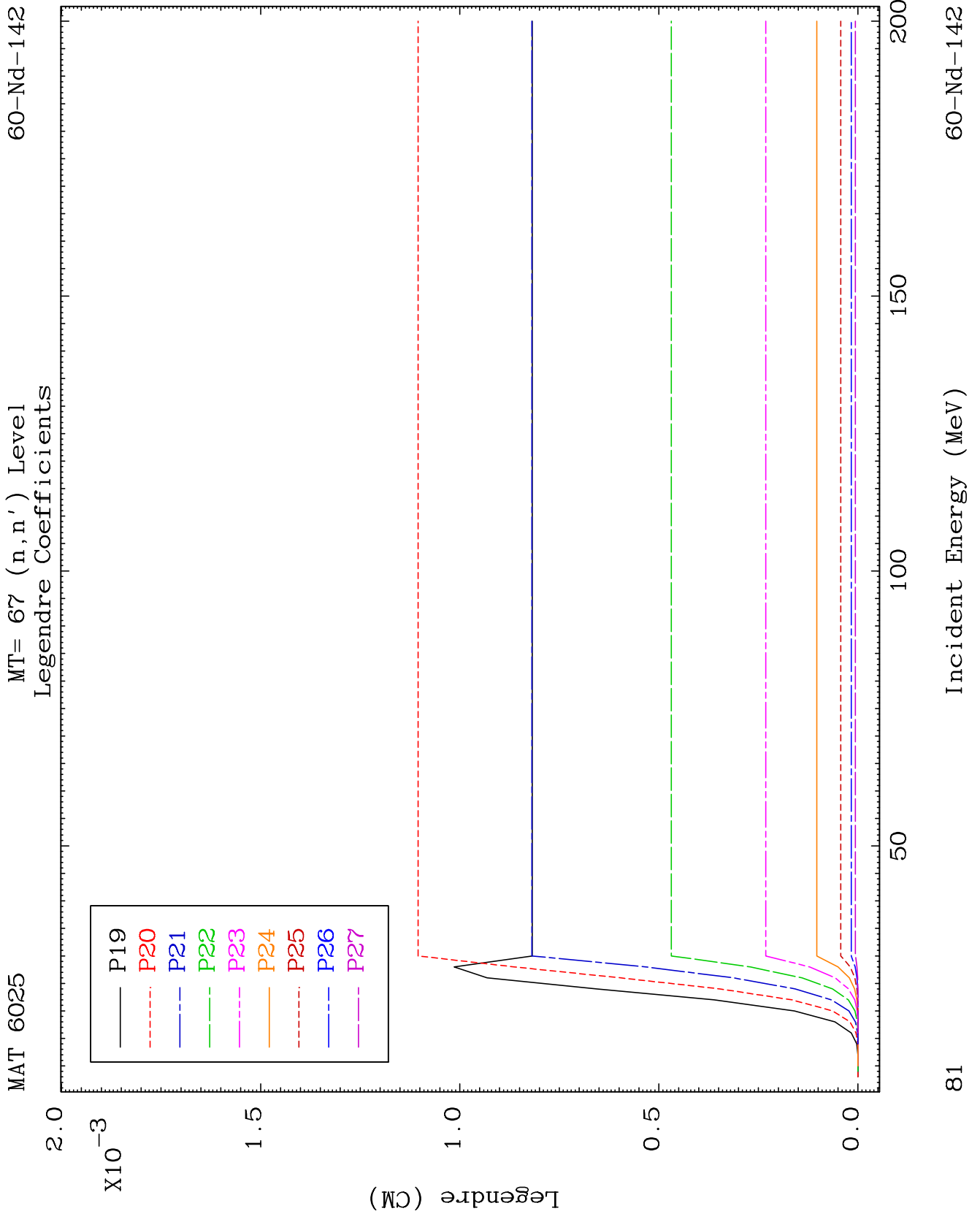


MAT 6025

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

60-Nd-142

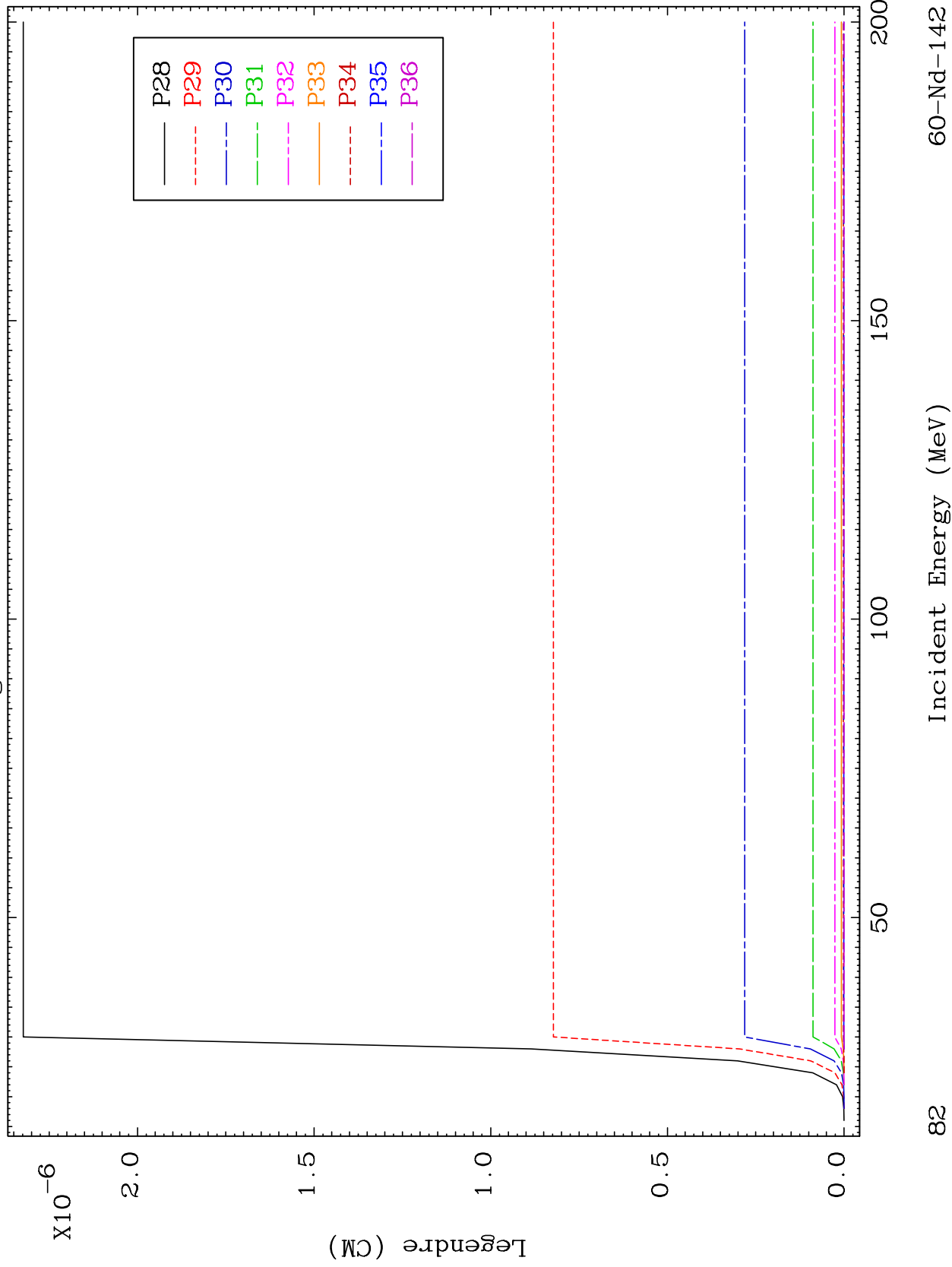




MAT 6025

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

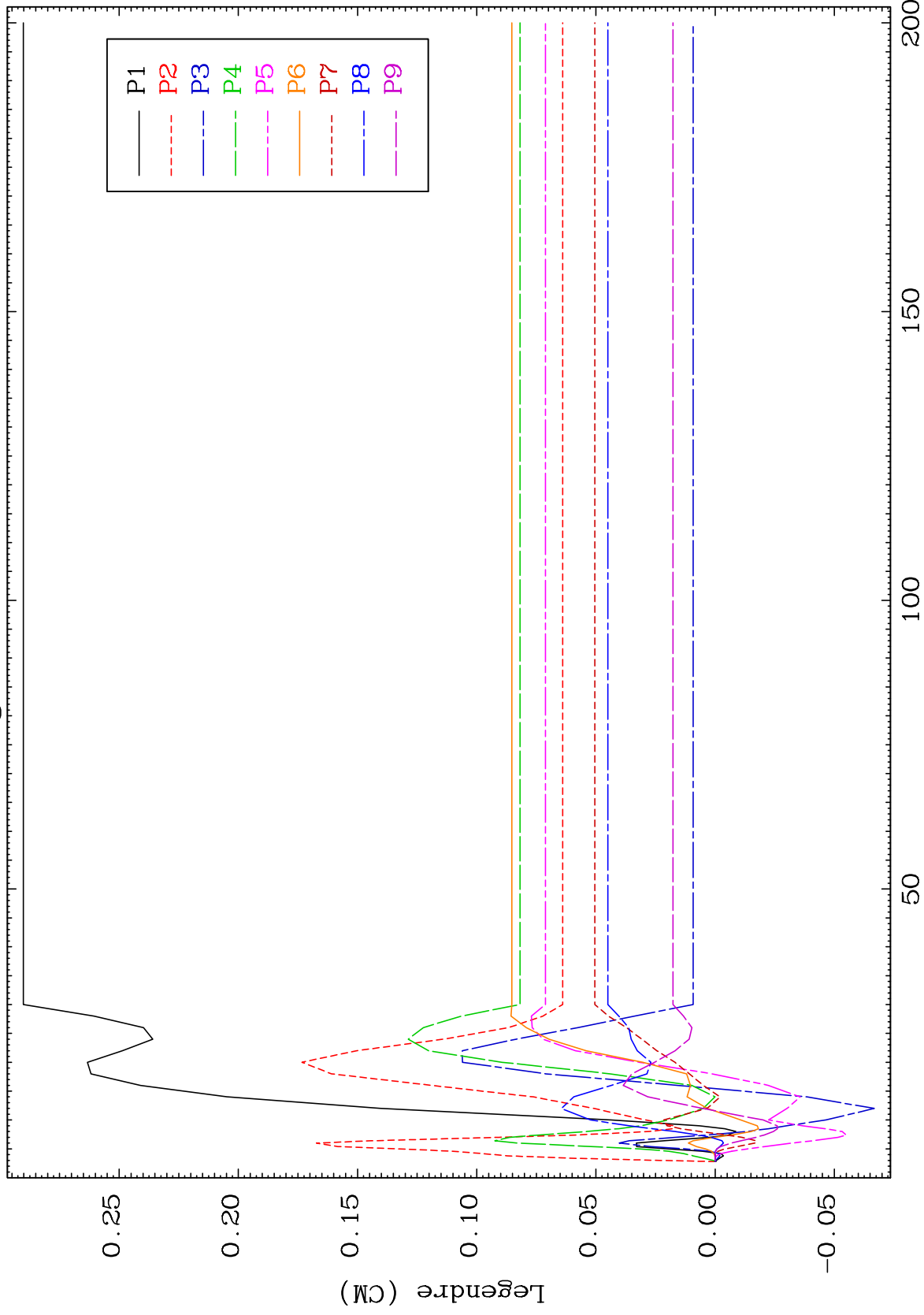
60-Nd-142



MAT 6025

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

60-Nd-142



83

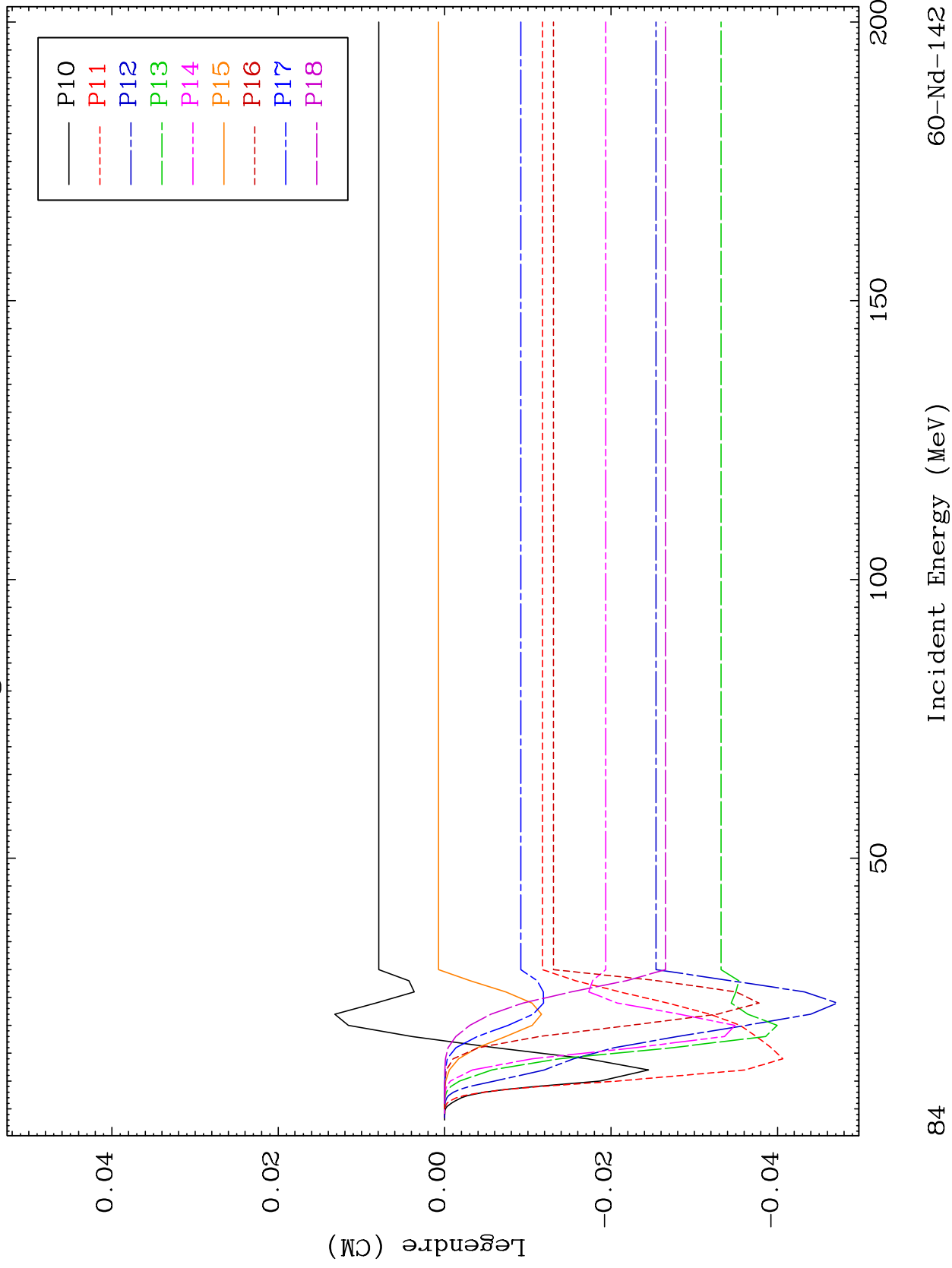
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

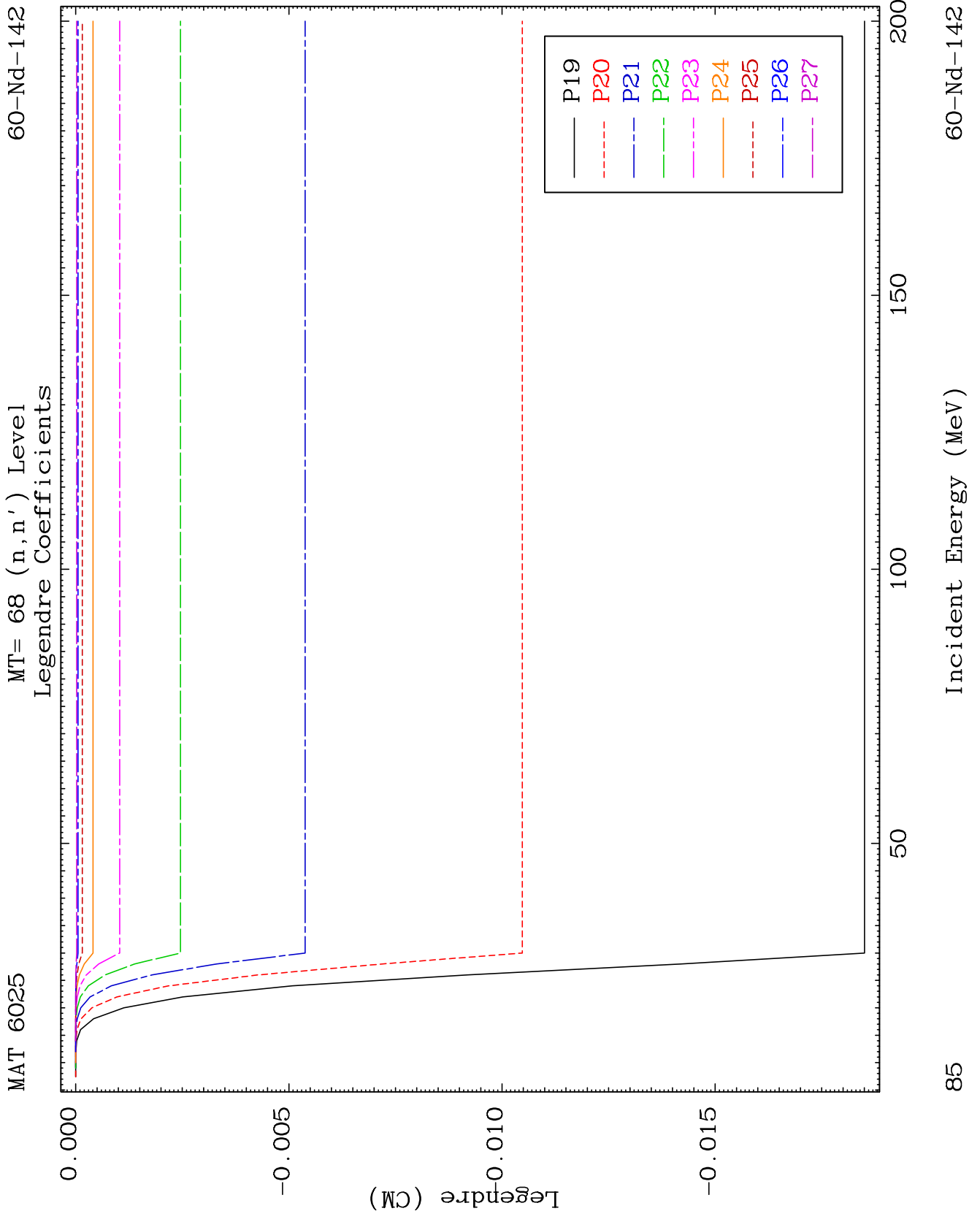
60-Nd-142



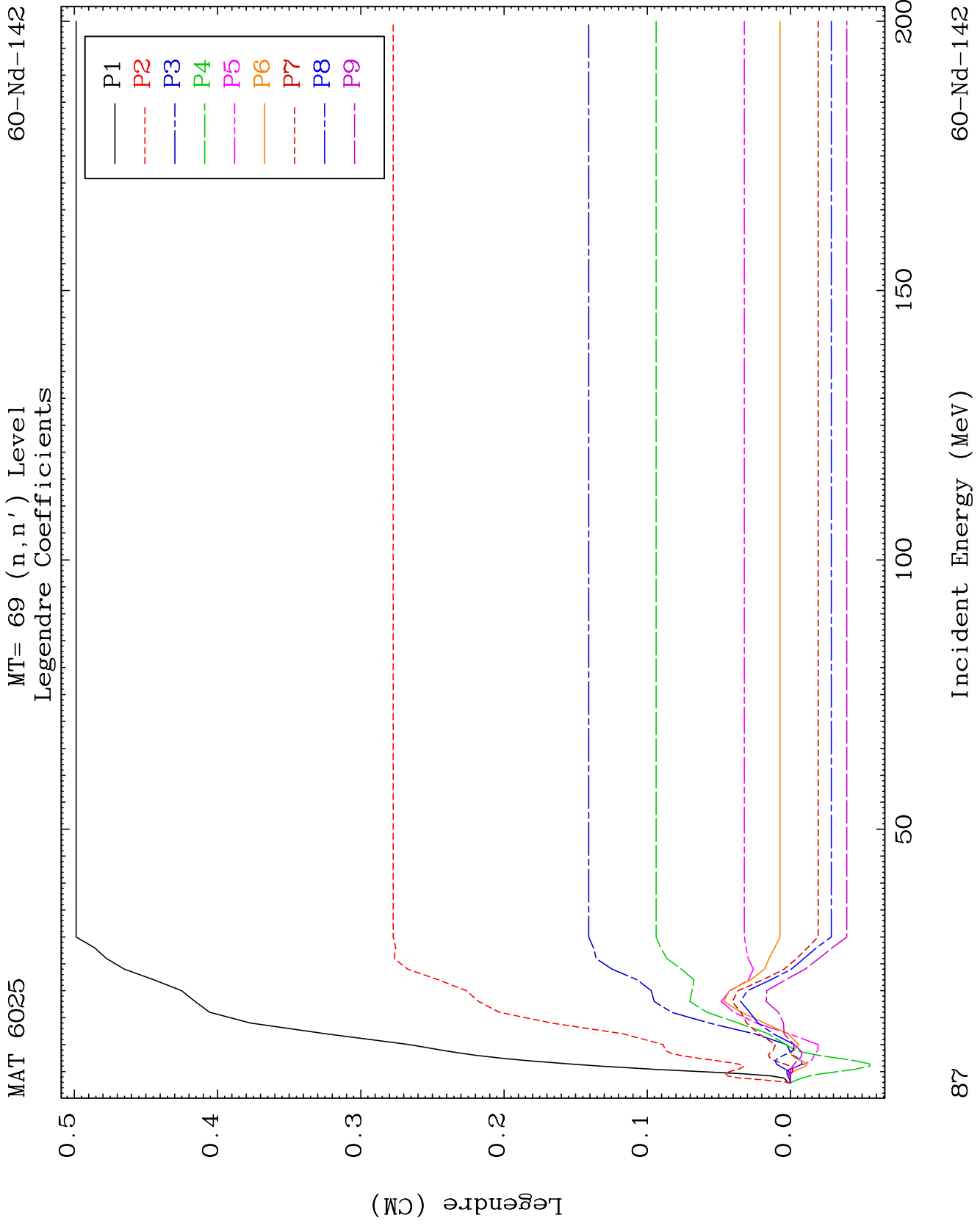
84

Incident Energy (MeV)

60-Nd-142







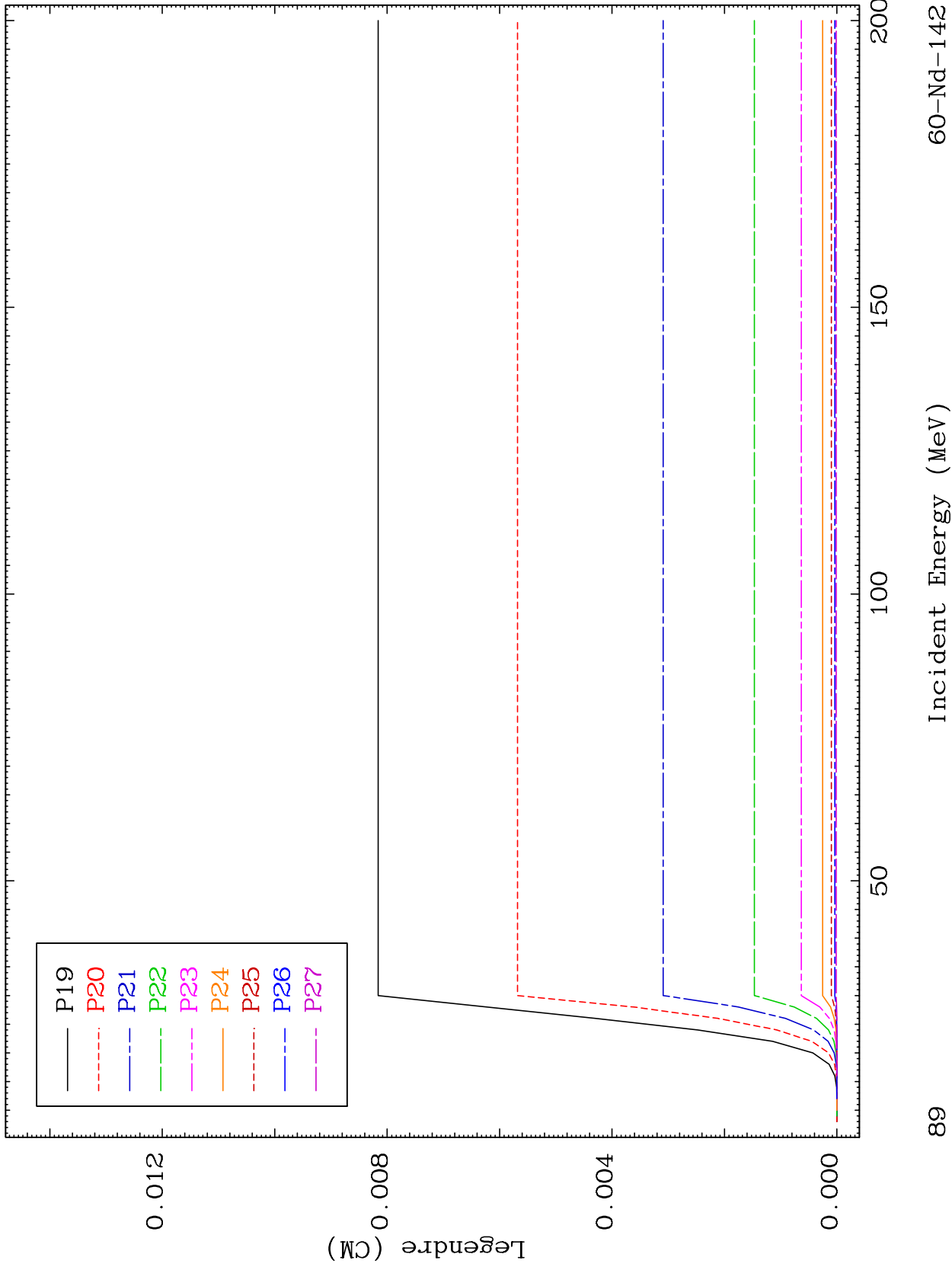




MAT 6025

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

60-Nd-142



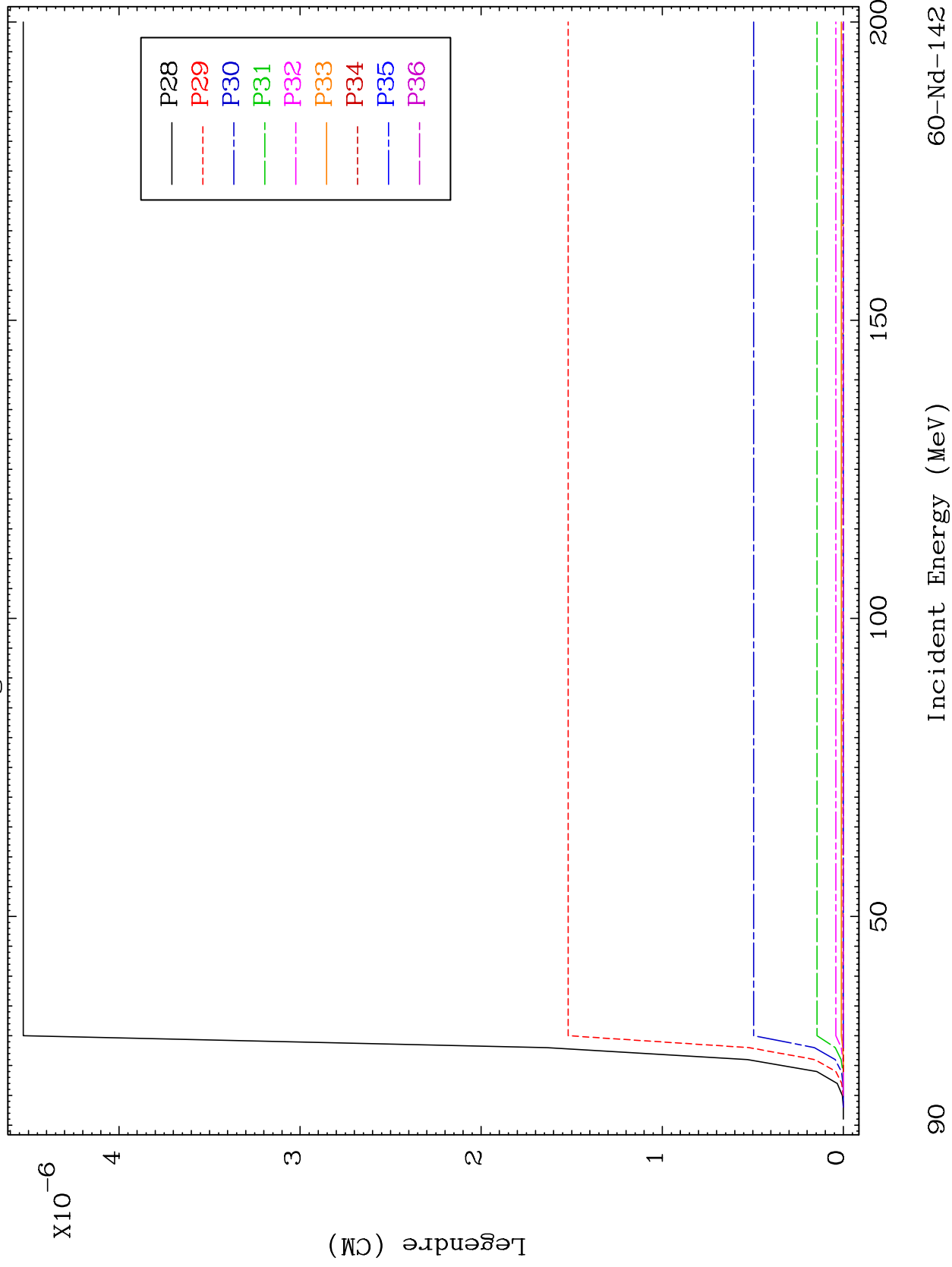
89

60-Nd-142

MAT 6025

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

60-Nd-142

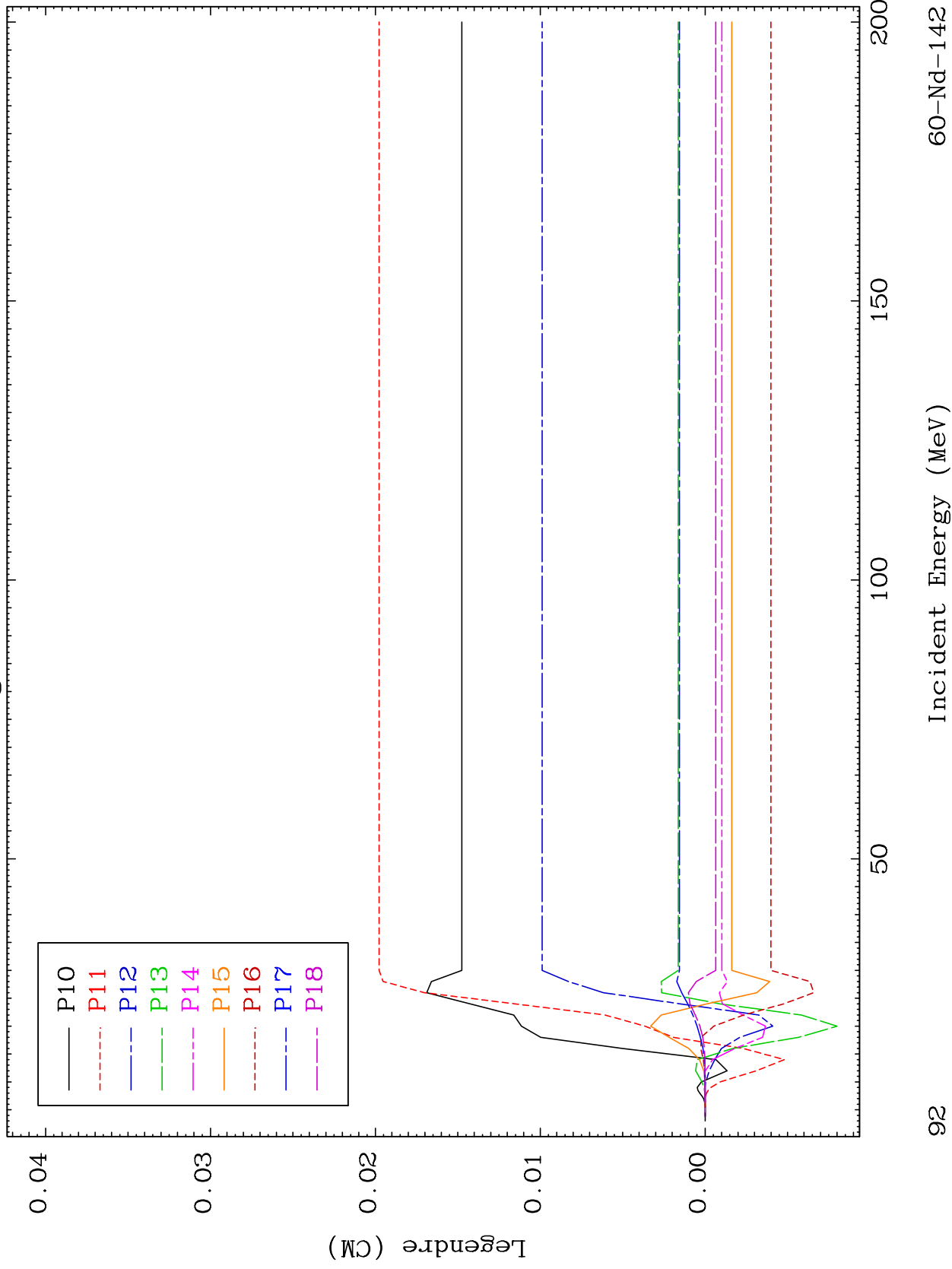




MAT 6025

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

60-Nd-142



92

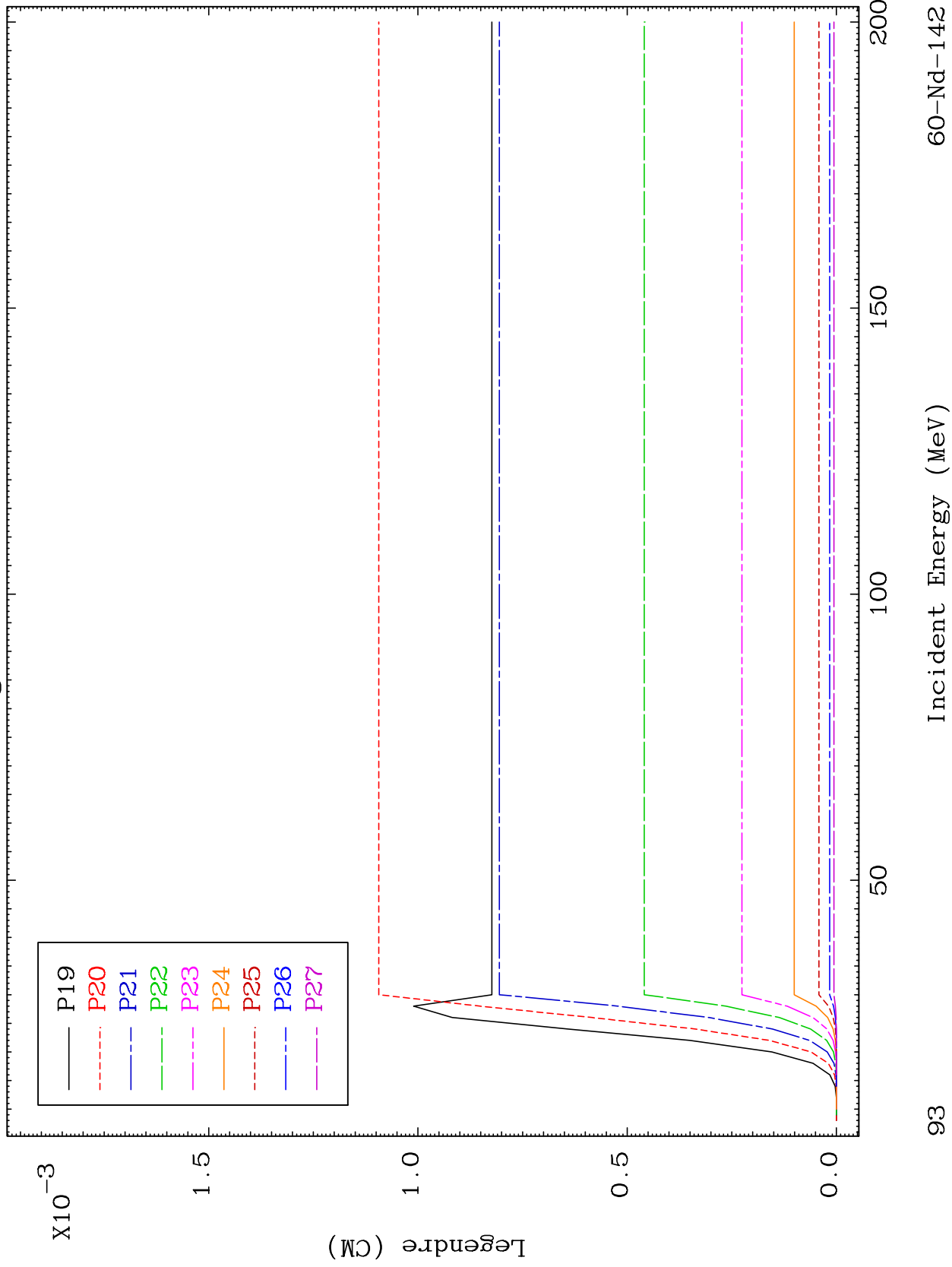
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

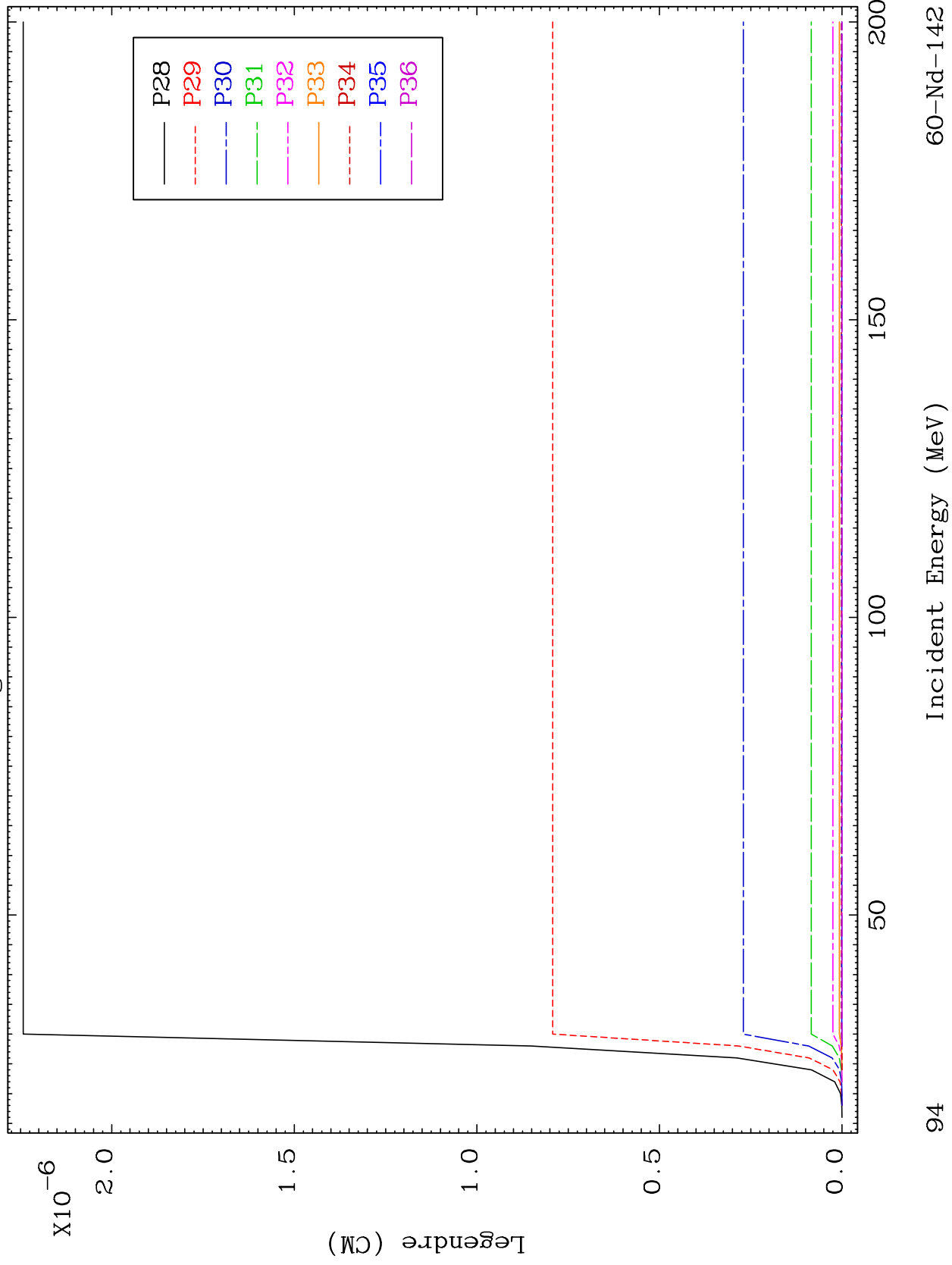
60-Nd-142



MAT 6025

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

60-Nd-142



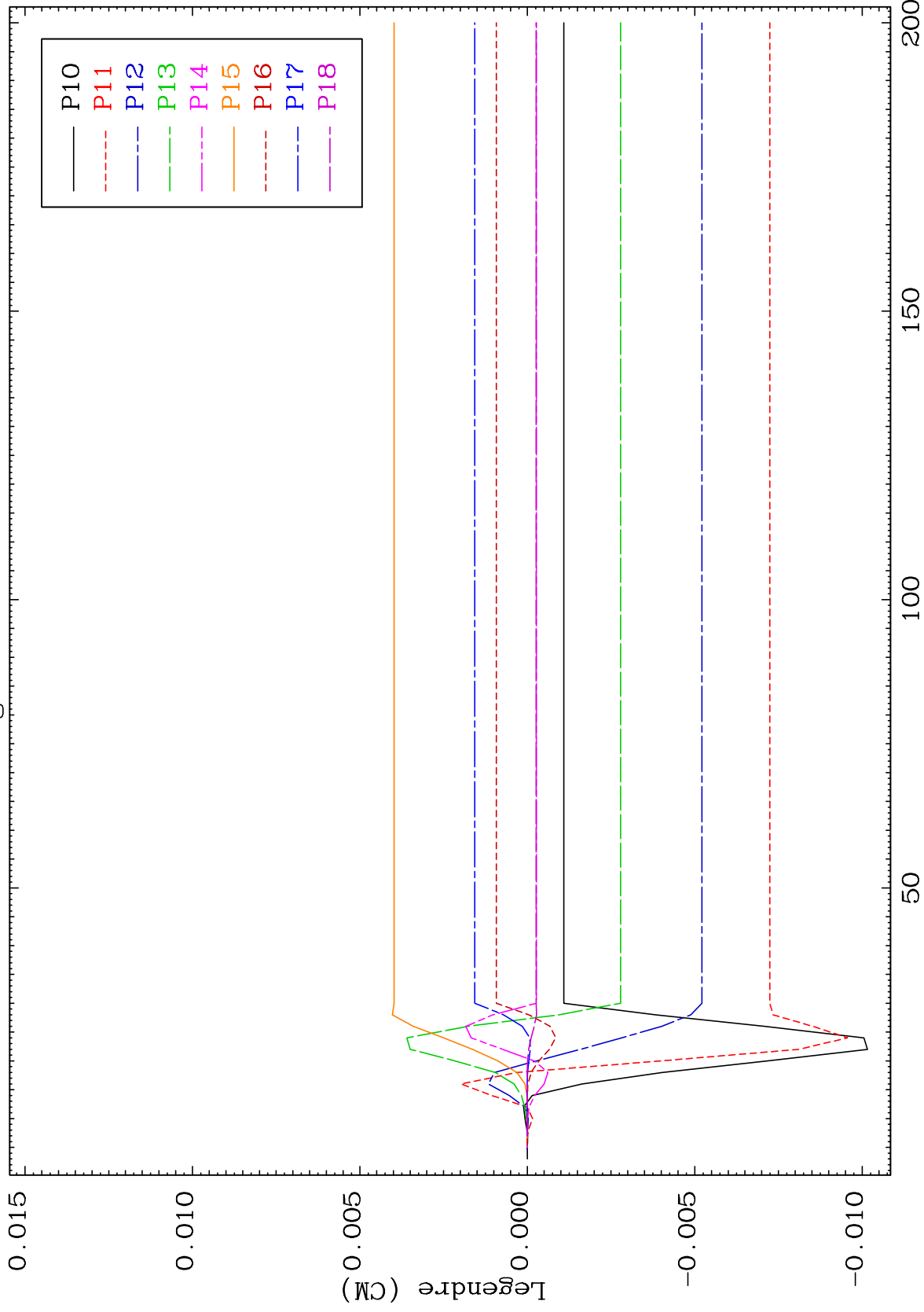




MAT 6025

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

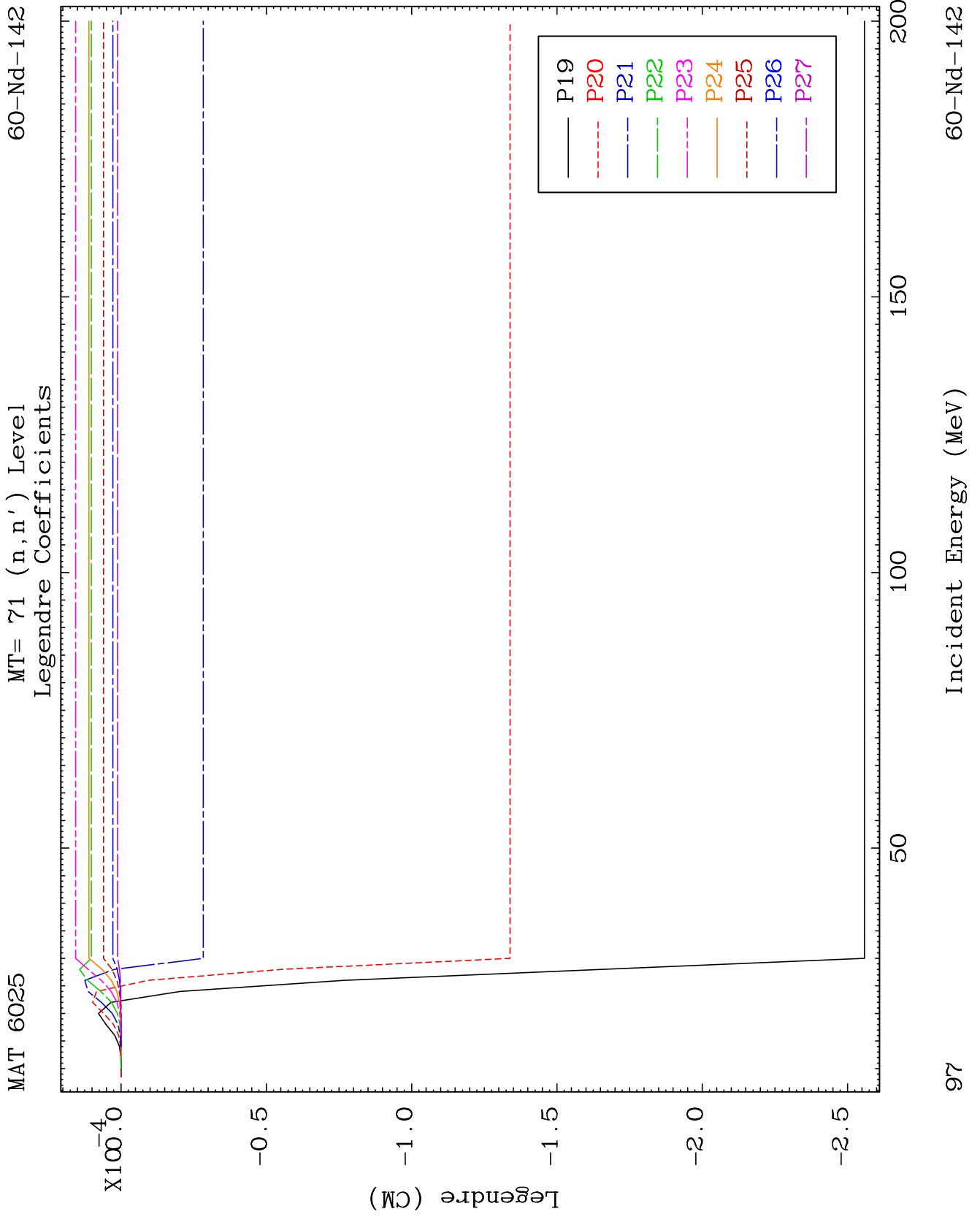
60-Nd-142



96

Incident Energy (MeV)

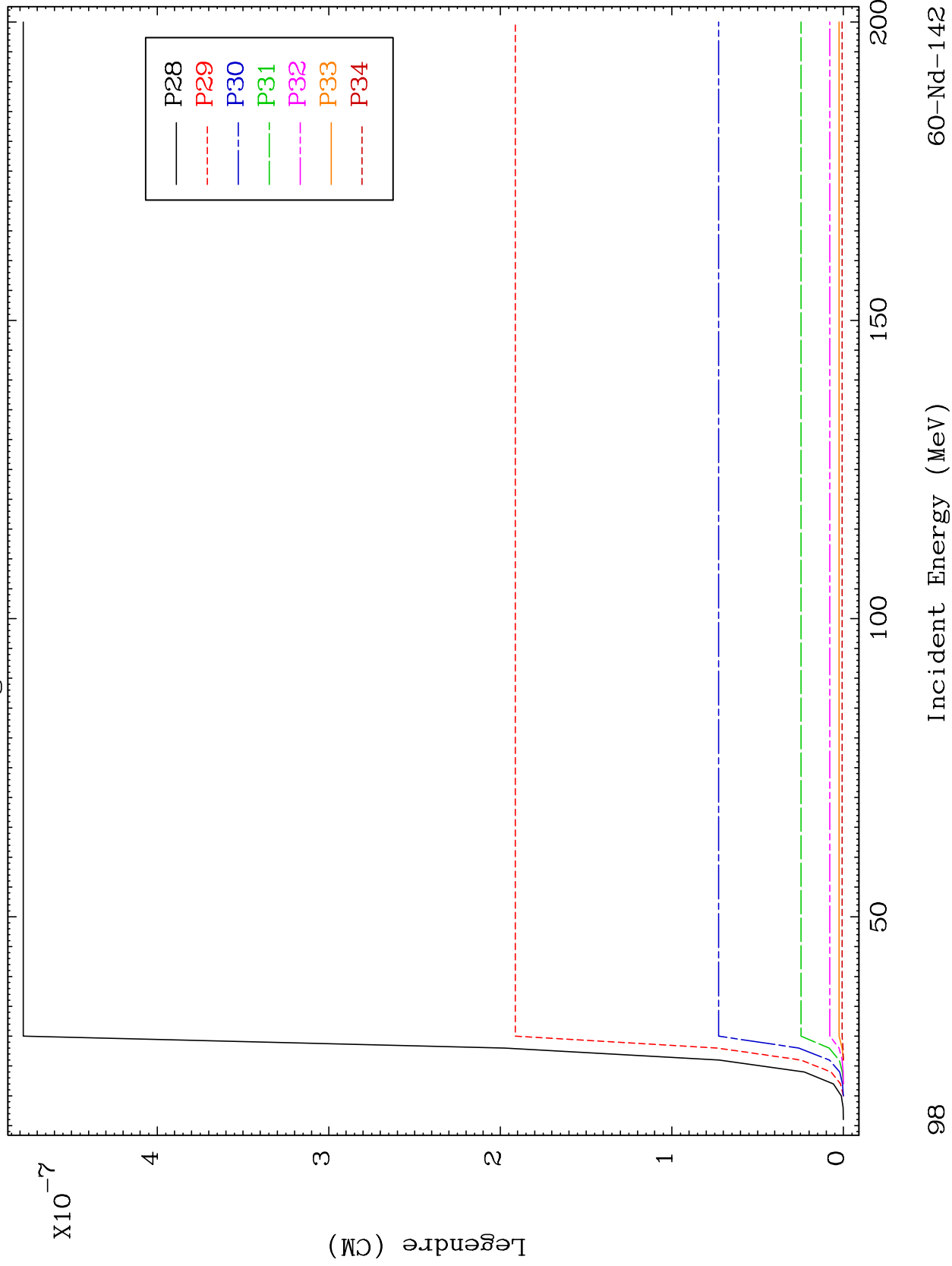
60-Nd-142

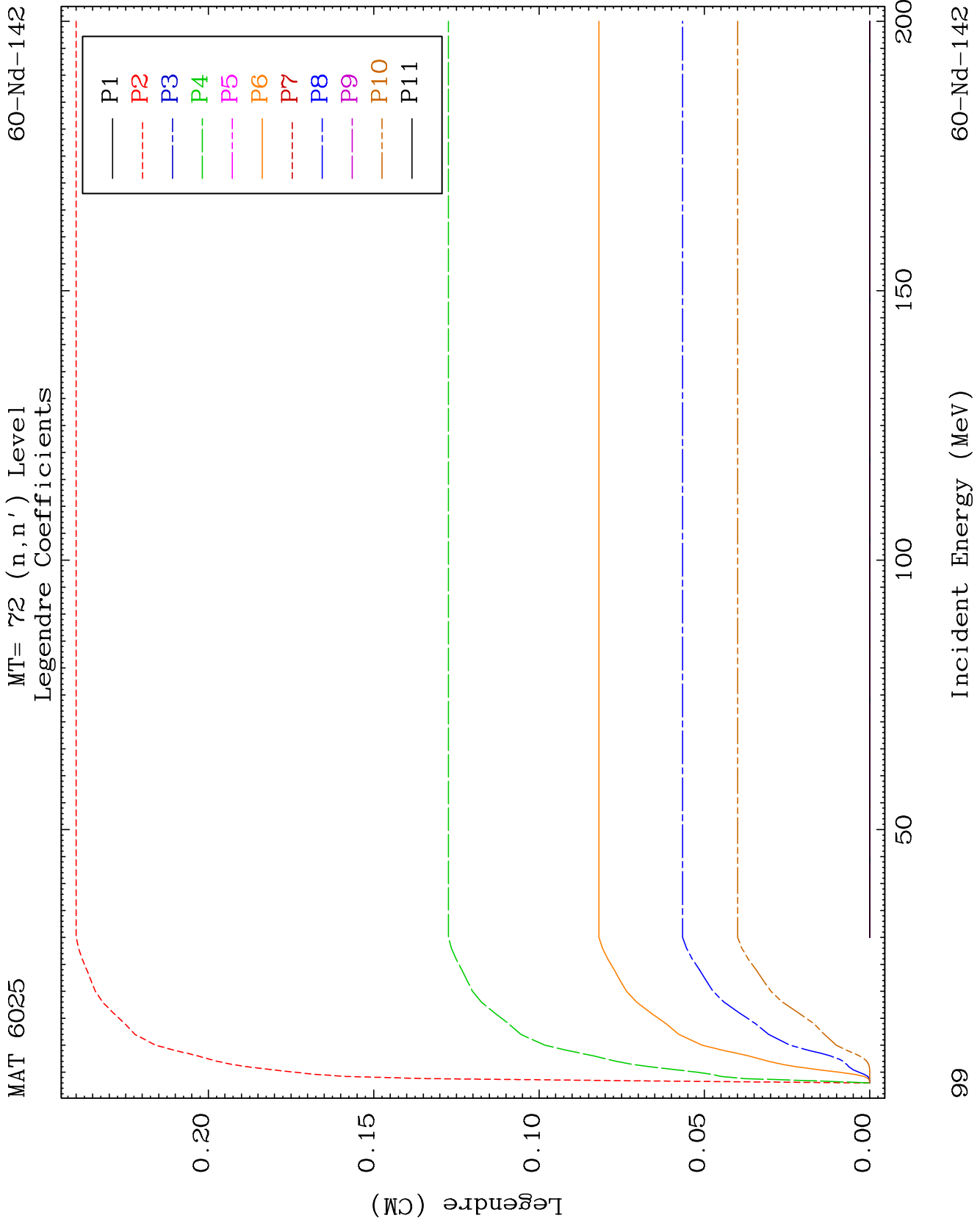


MAT 6025

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

60-Nd-142

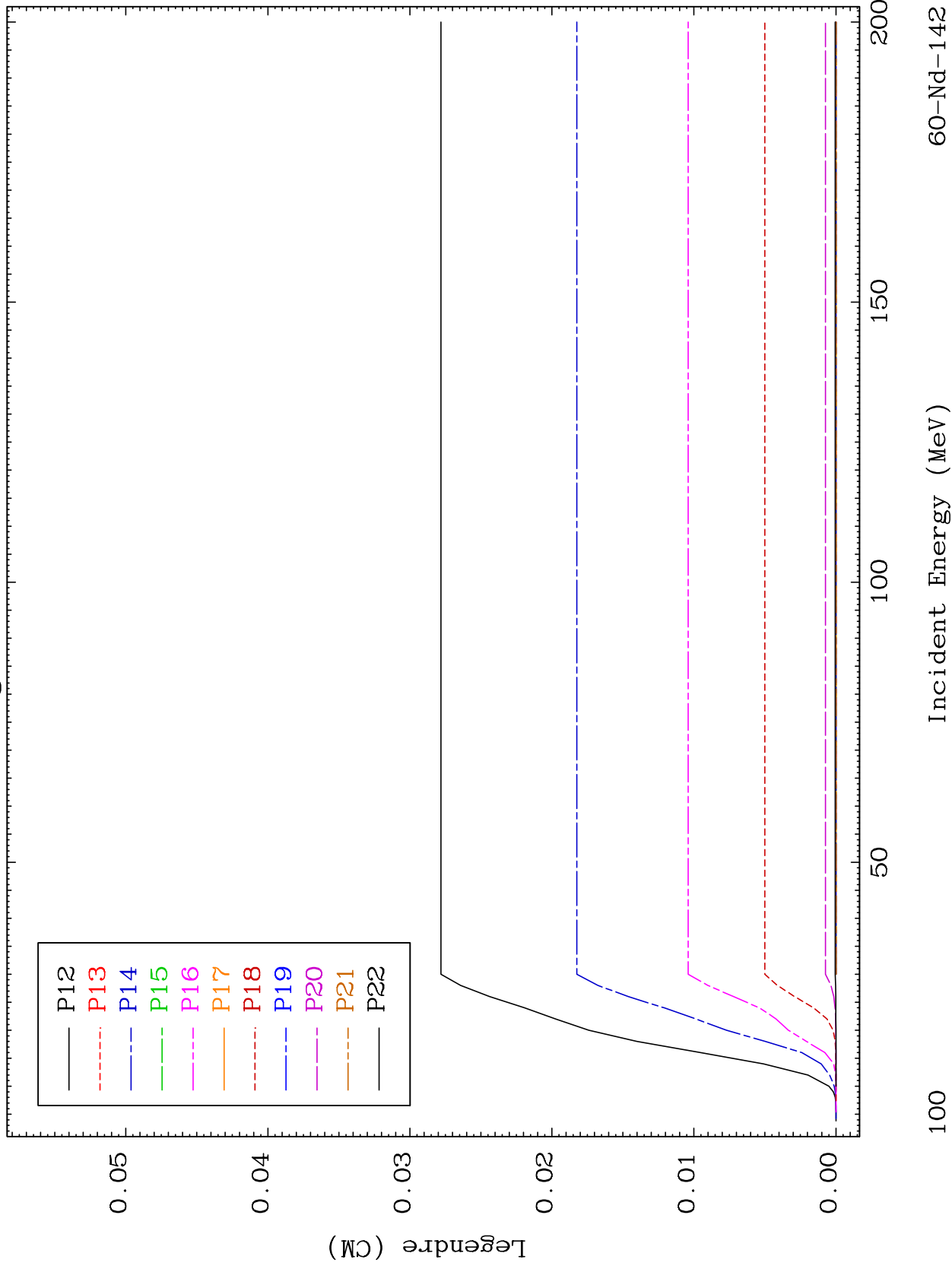




MAT 6025

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

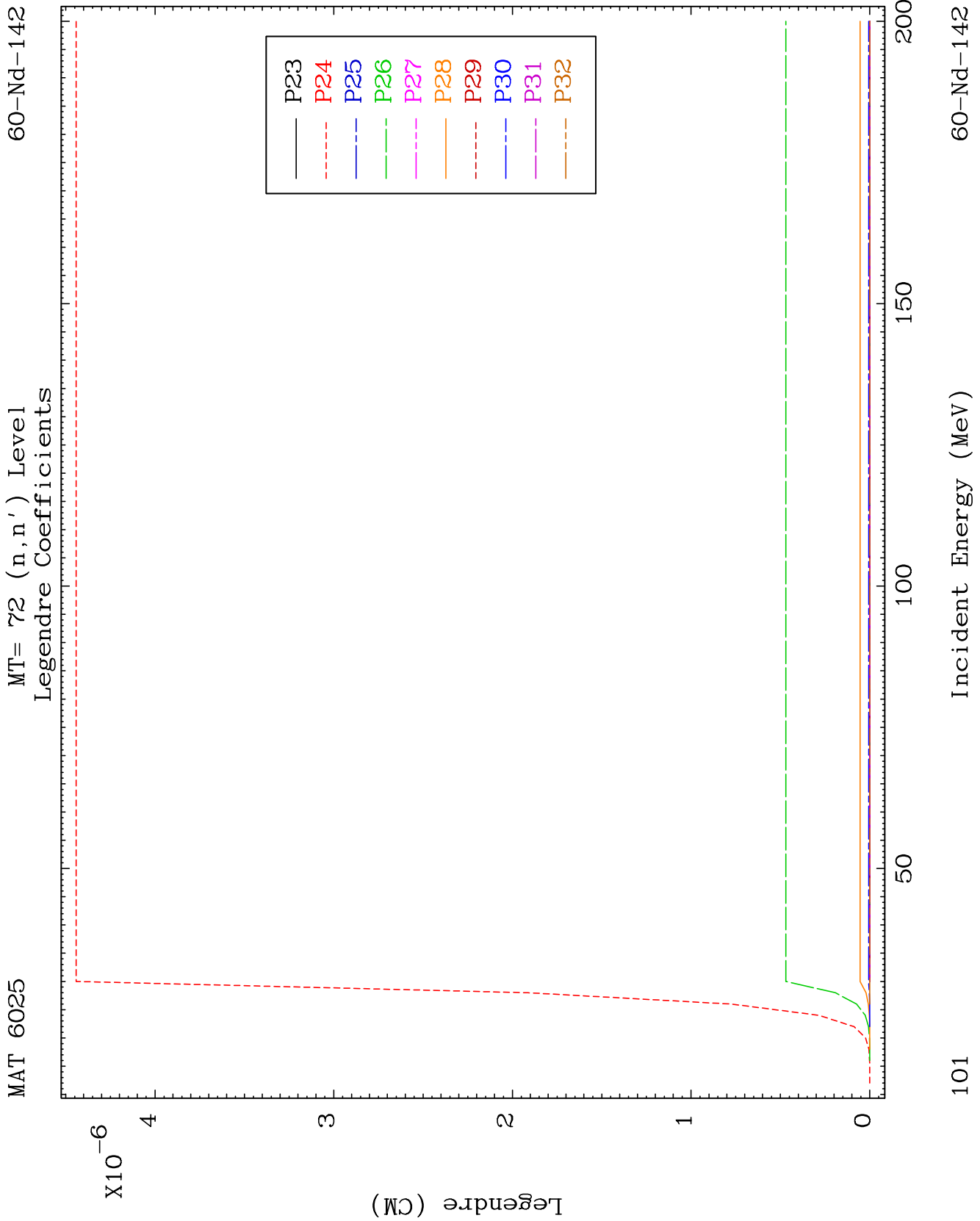
60-Nd-142



60-Nd-142

Incident Energy (MeV)

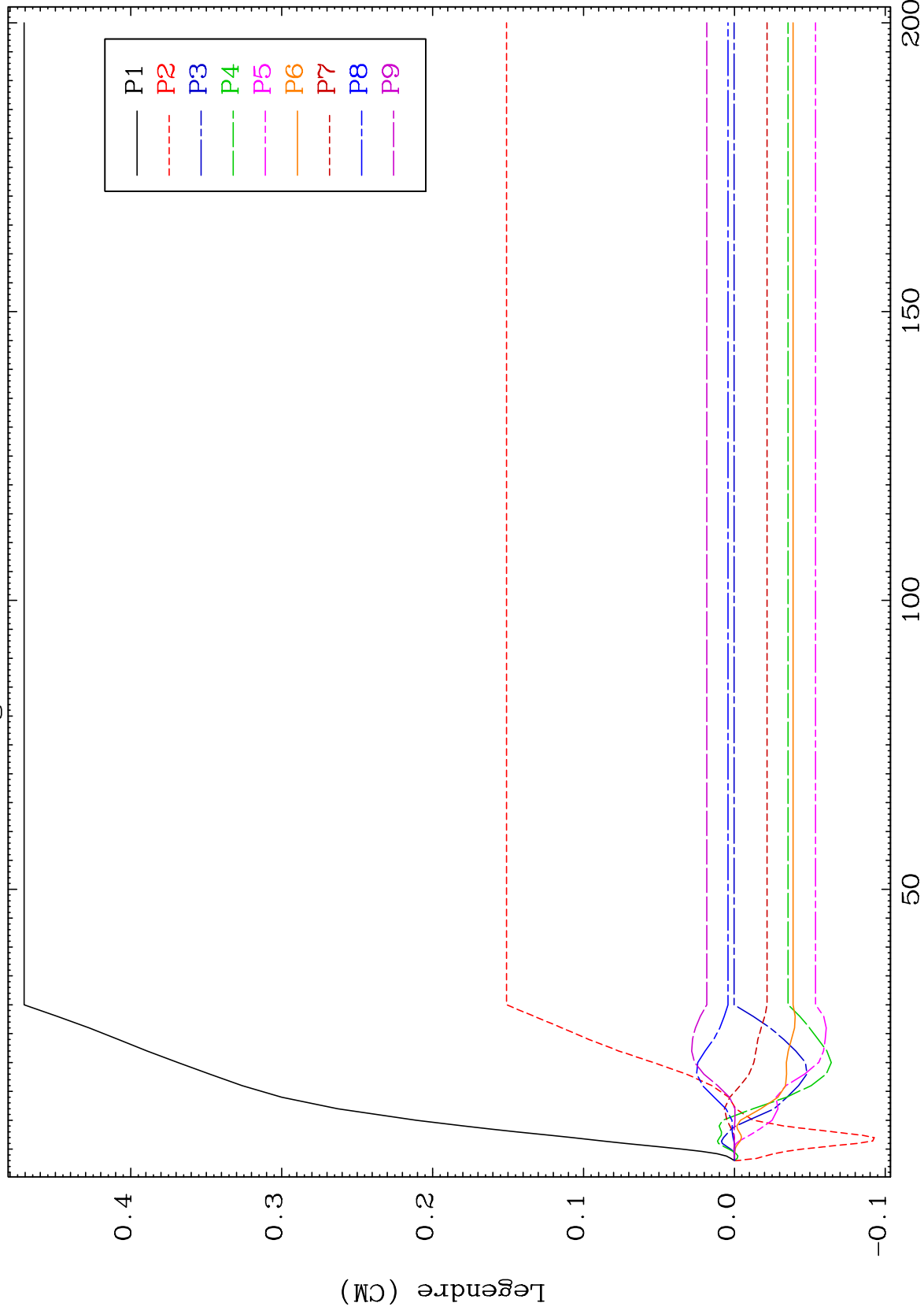
100



MAT 6025

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

60-Nd-142



102

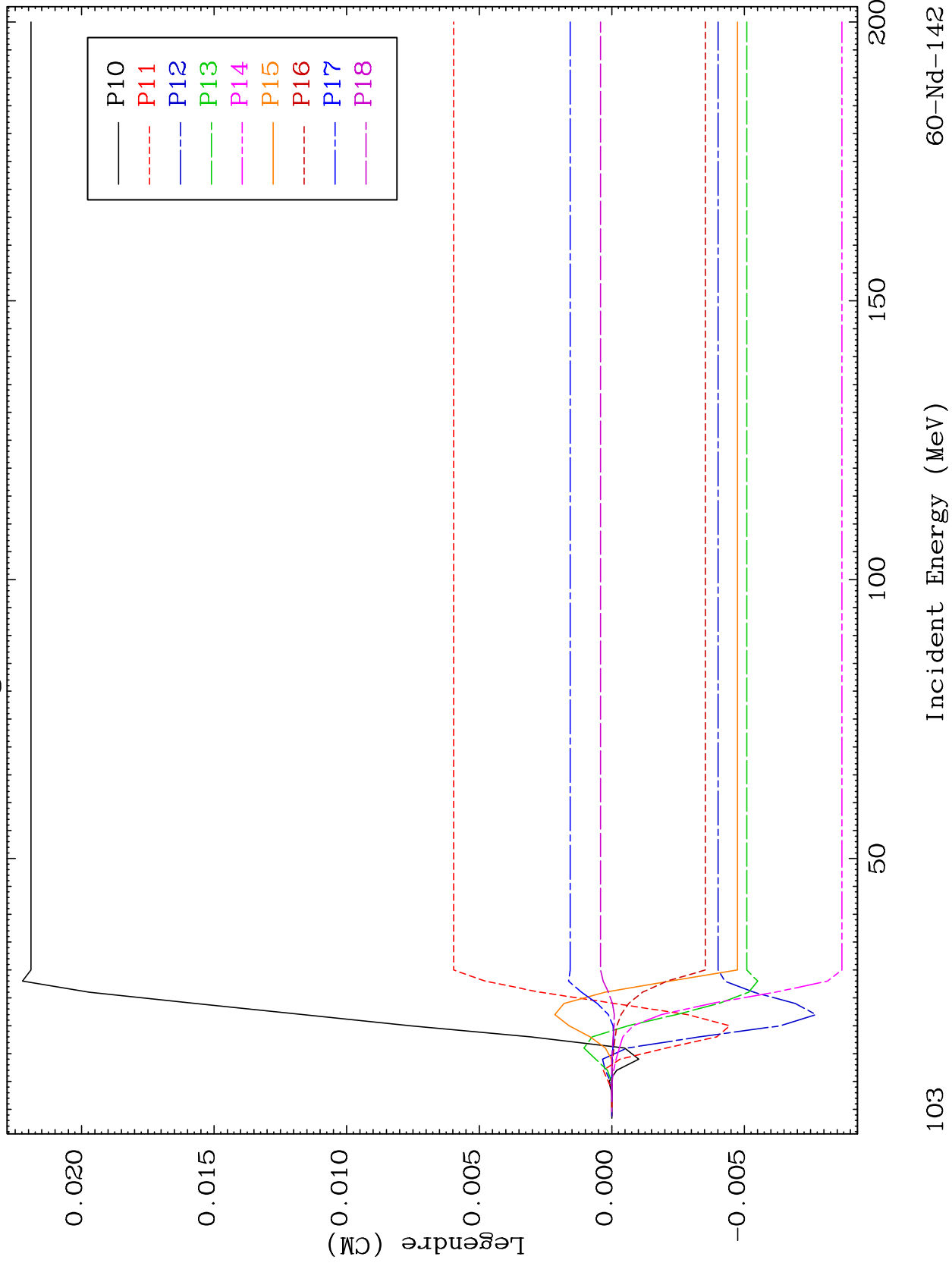
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

60-Nd-142



103

Incident Energy (MeV)

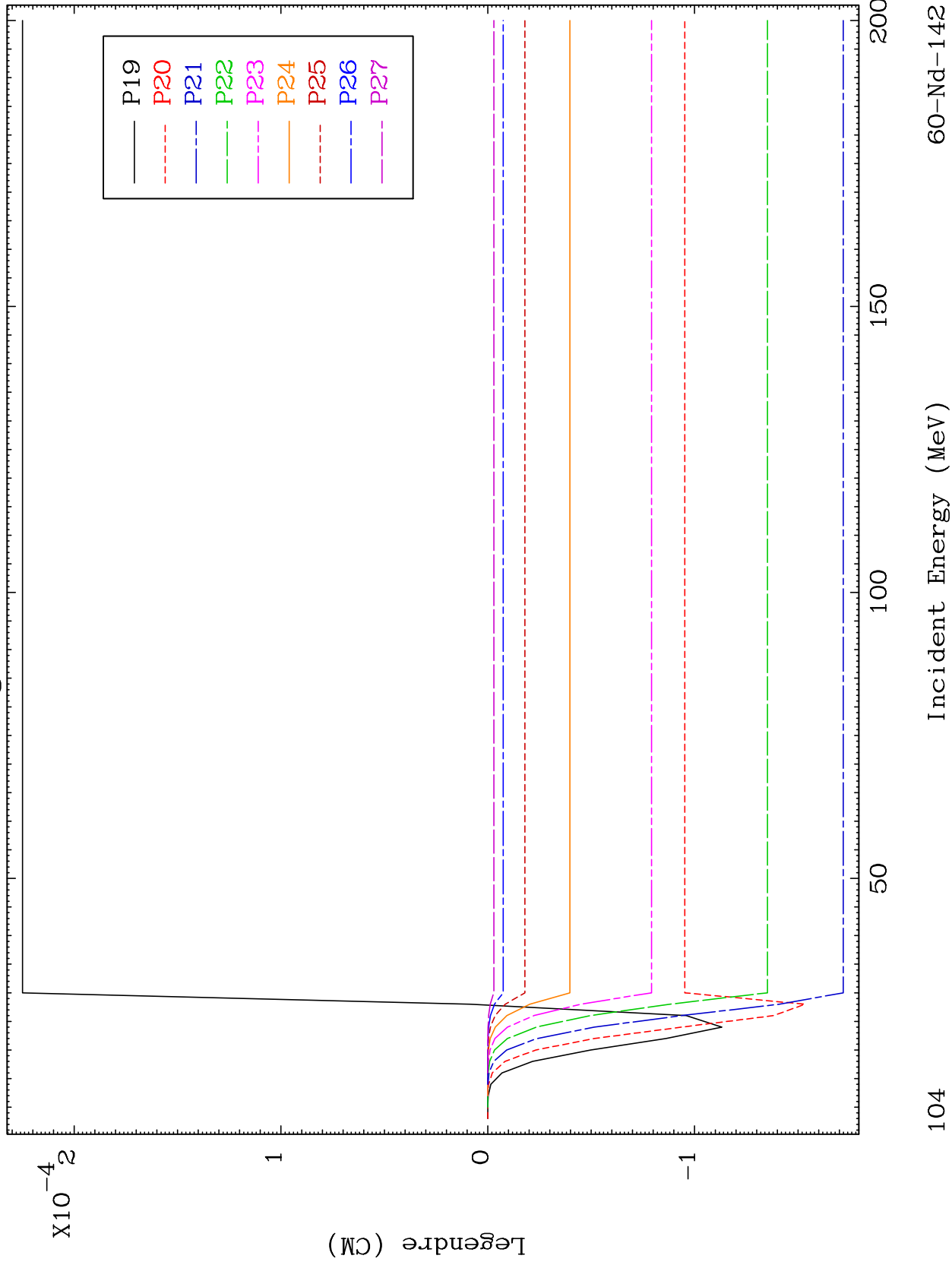
60-Nd-142



MAT 6025

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

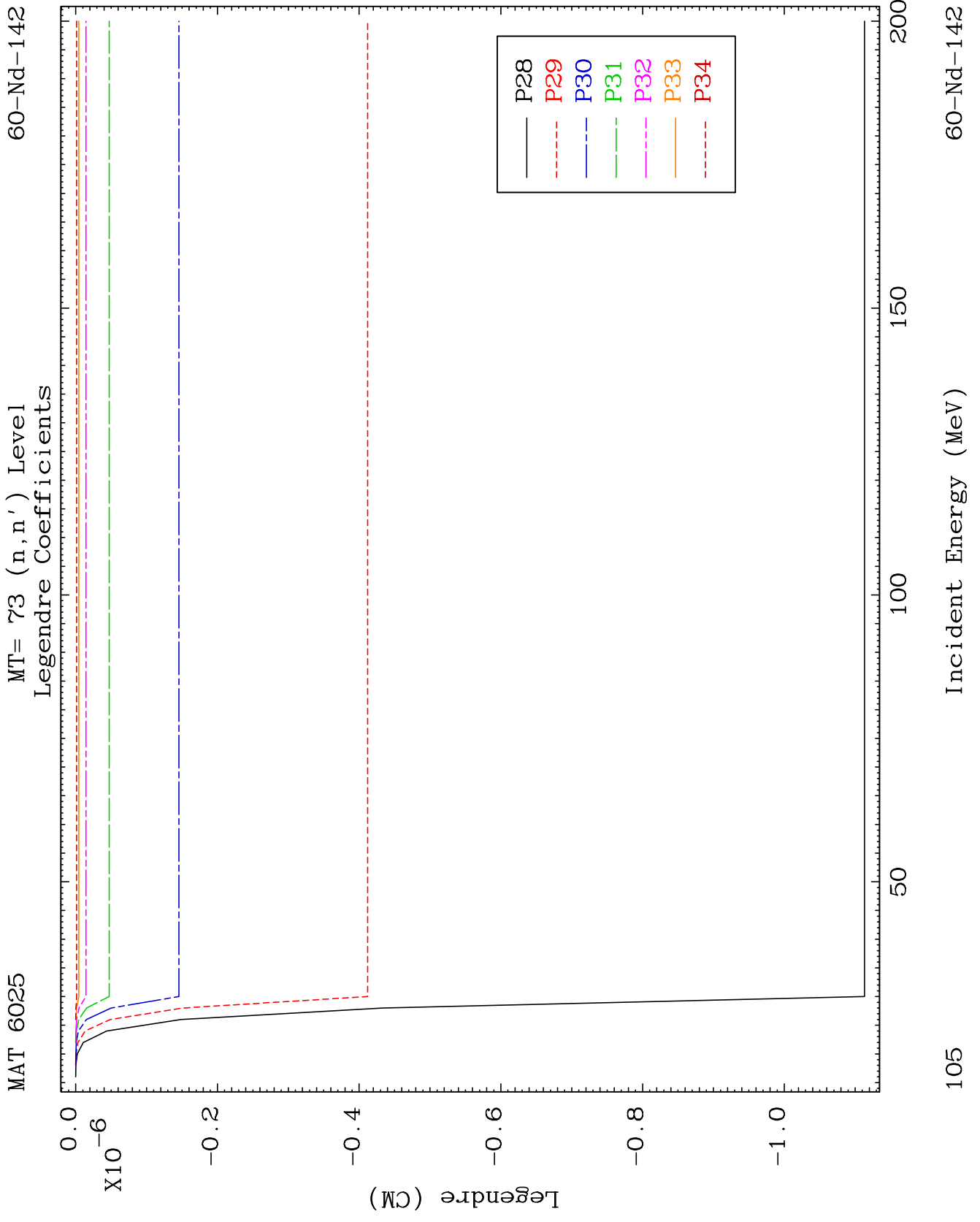
60-Nd-142

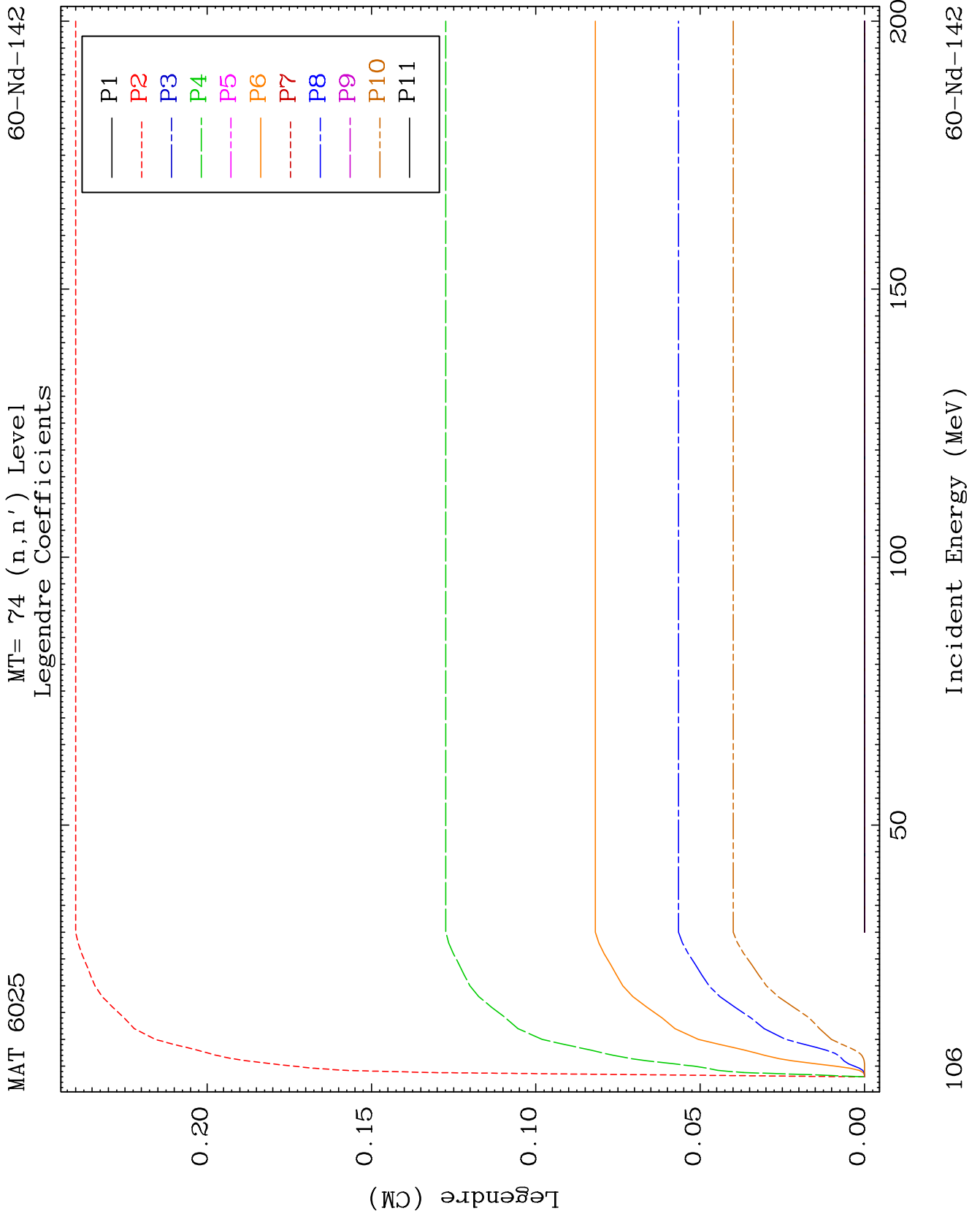


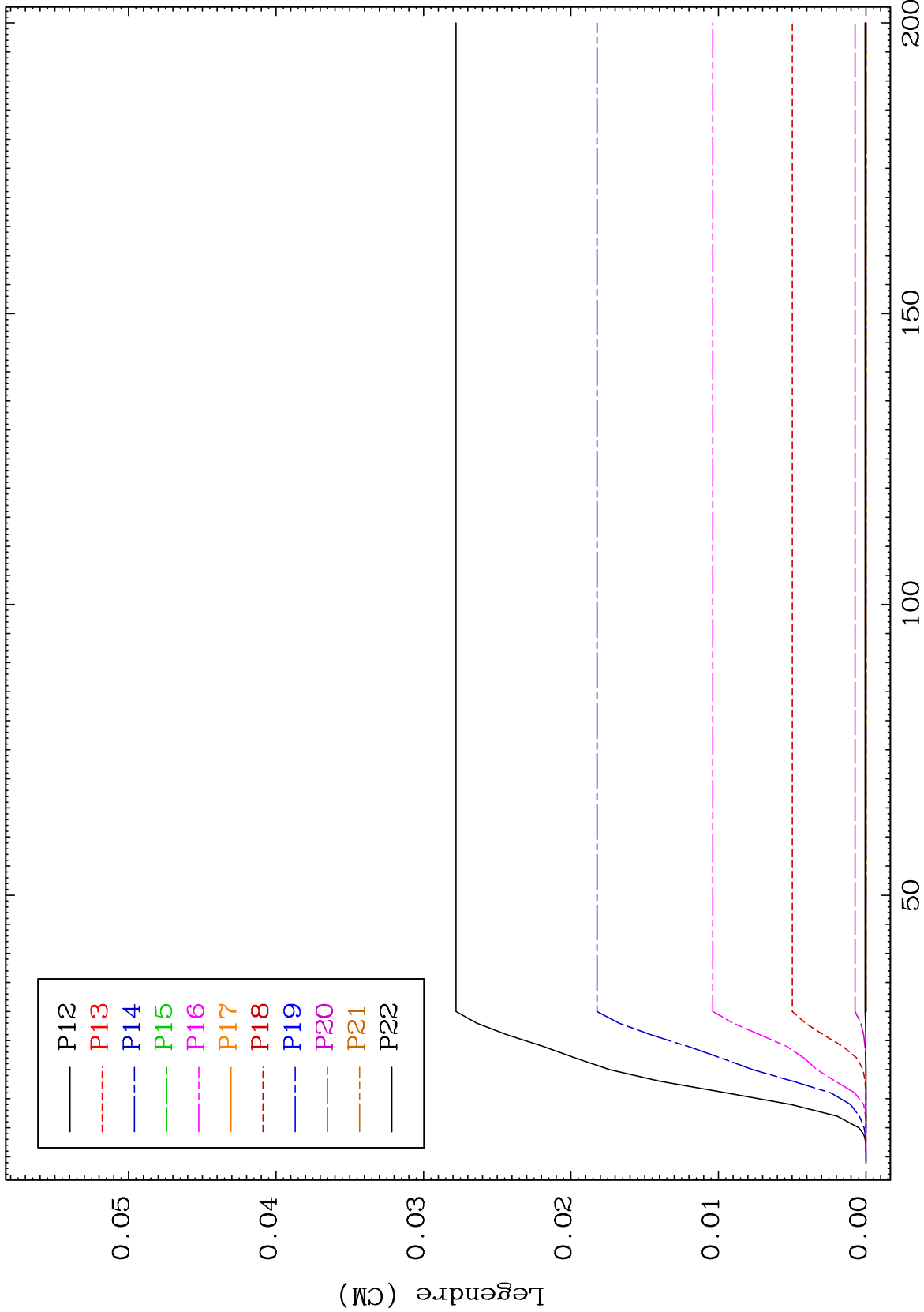
104

Incident Energy (MeV)

60-Nd-142





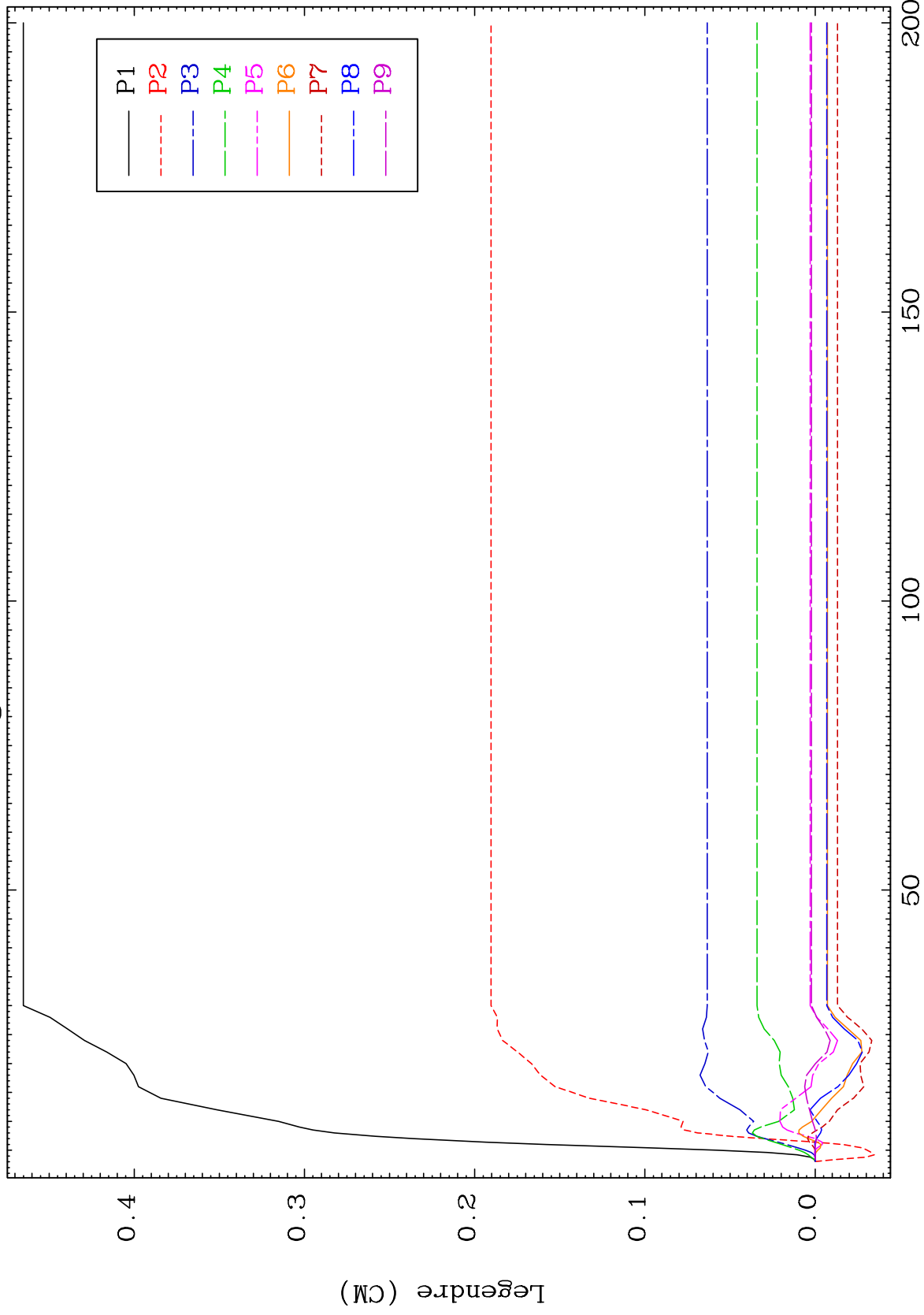




MAT 6025

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

60-Nd-142



60-Nd-142

Incident Energy (MeV)

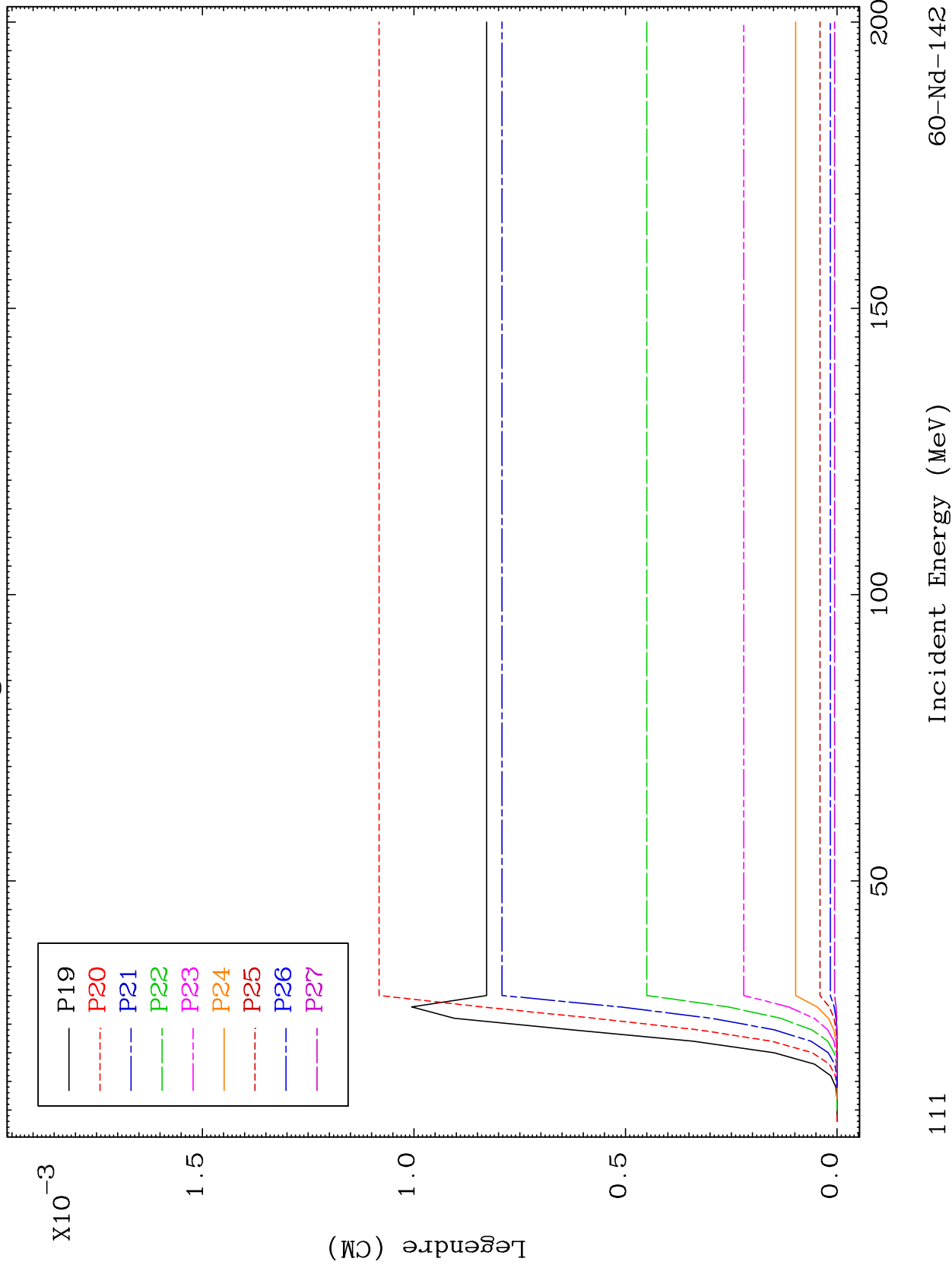
109



MAT 6025

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

60-Nd-142

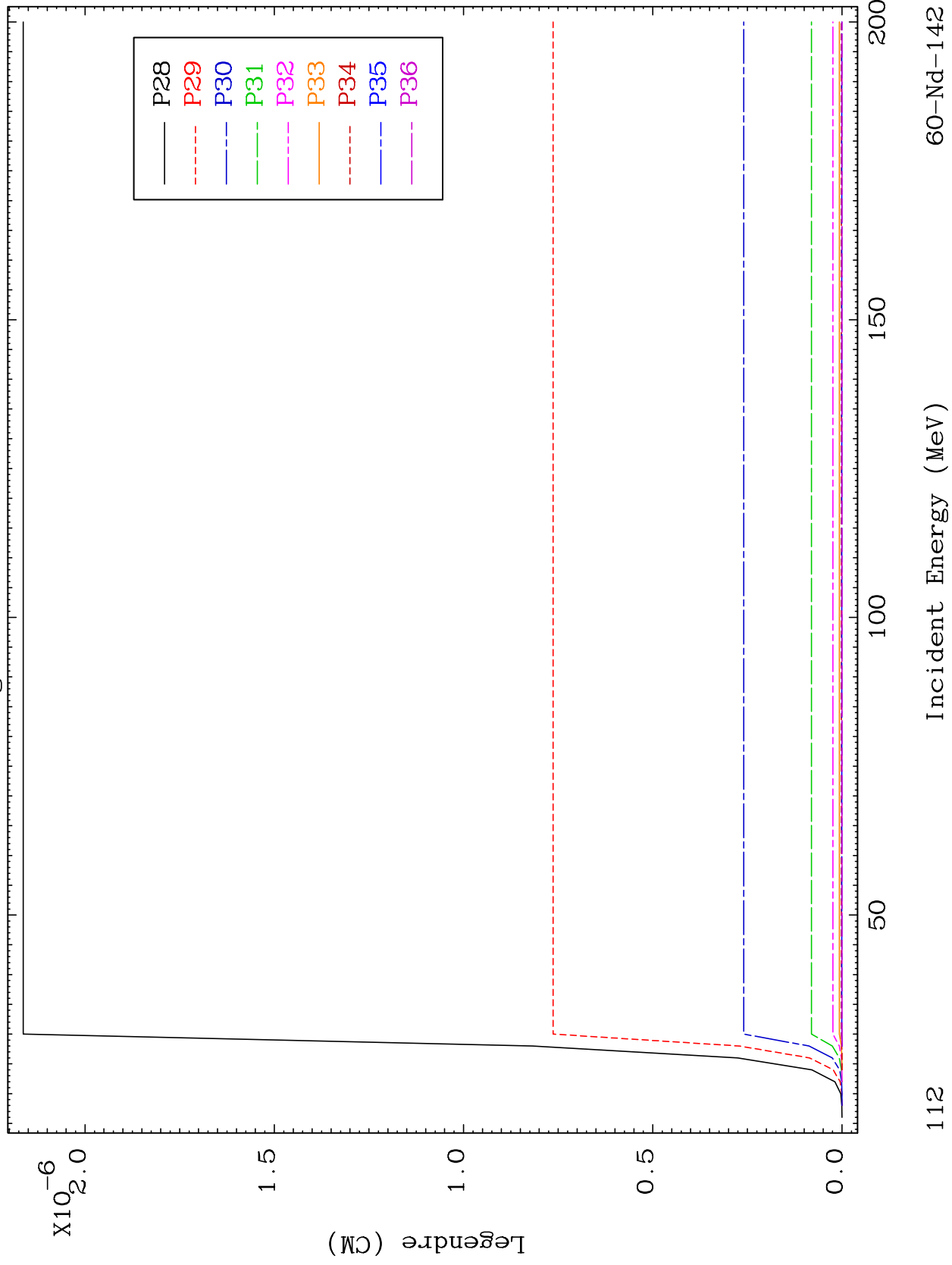




MAT 6025

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

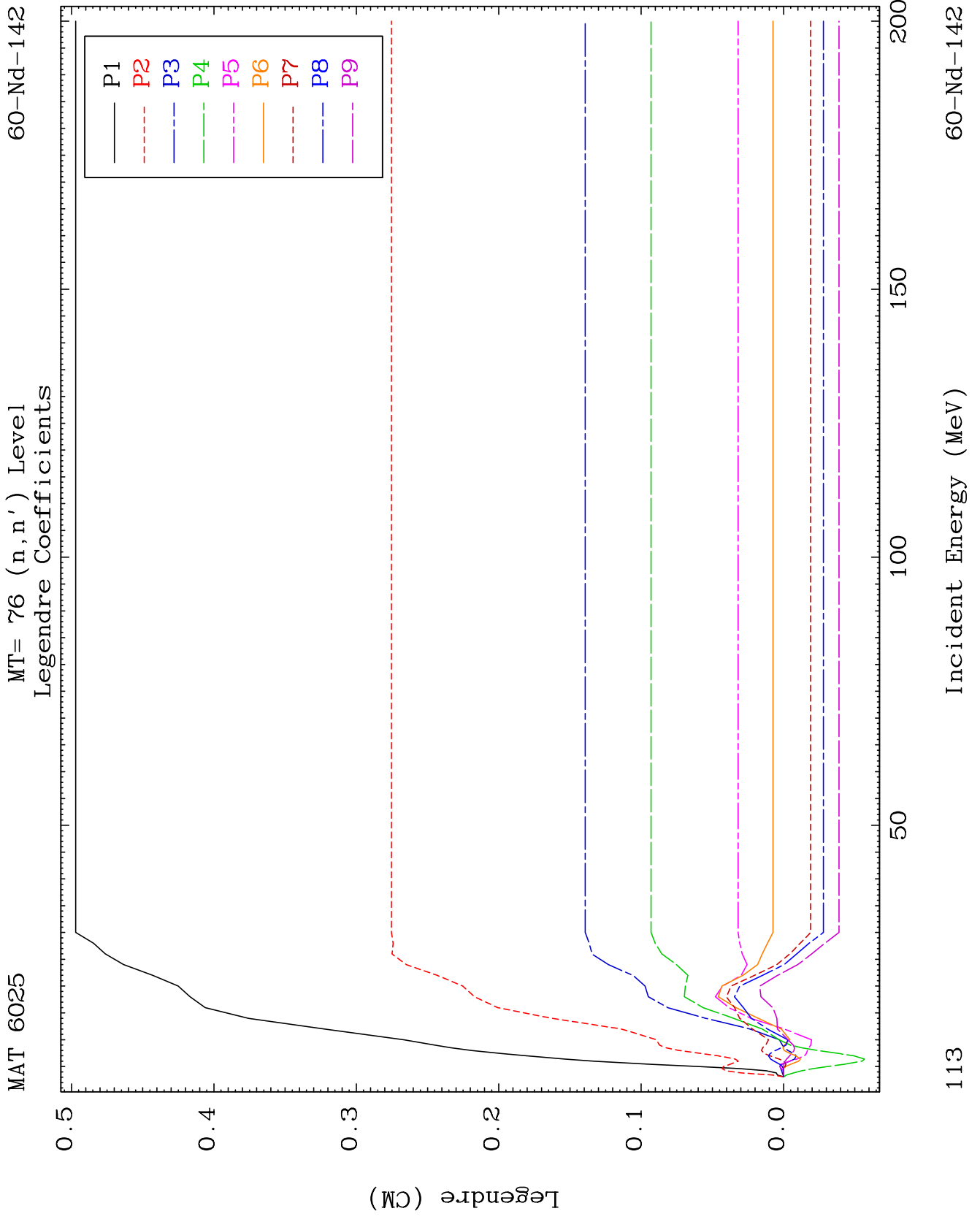
60-Nd-142



112

Incident Energy (MeV)

60-Nd-142

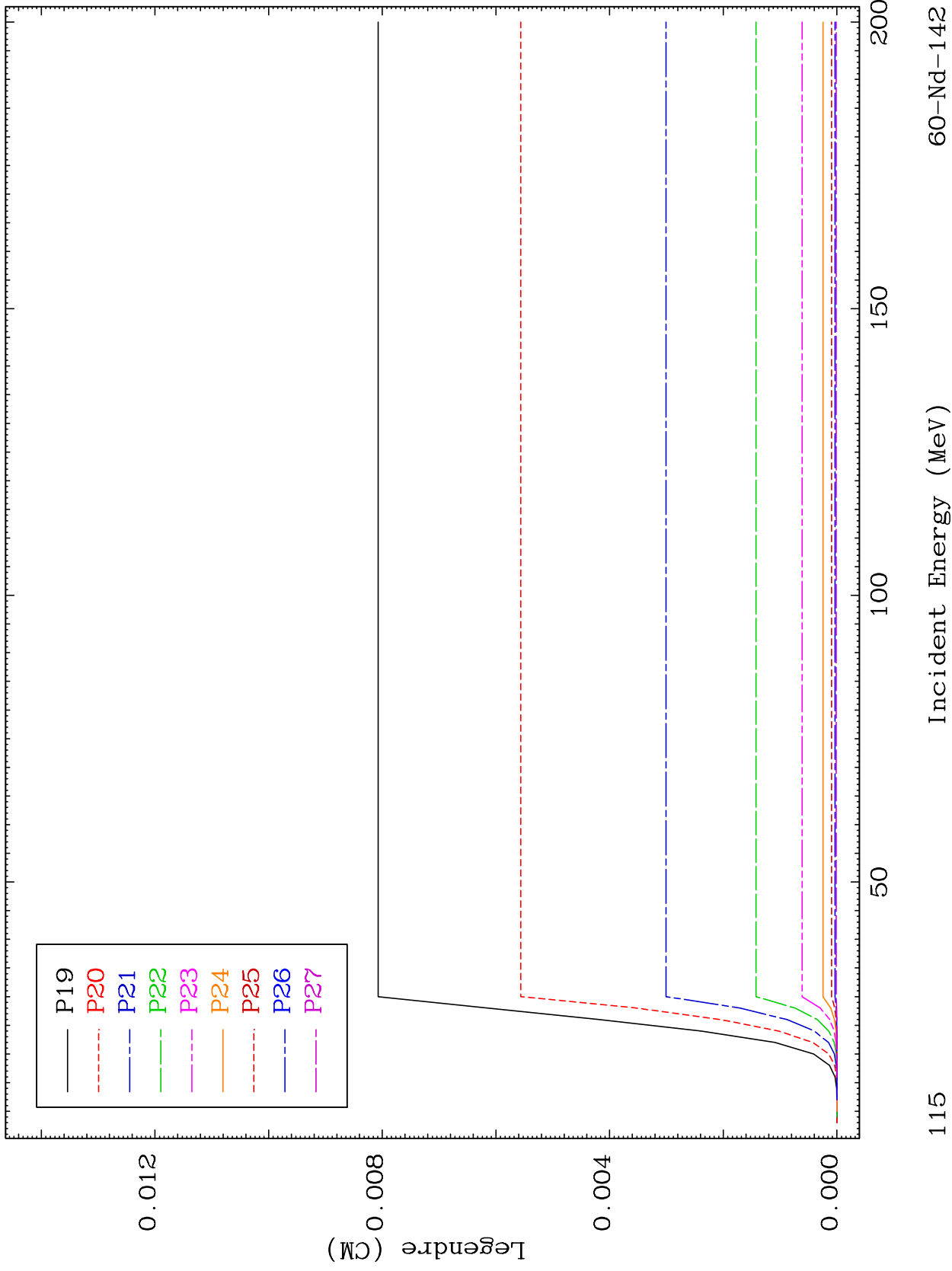




MAT 6025

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

60-Nd-142



115

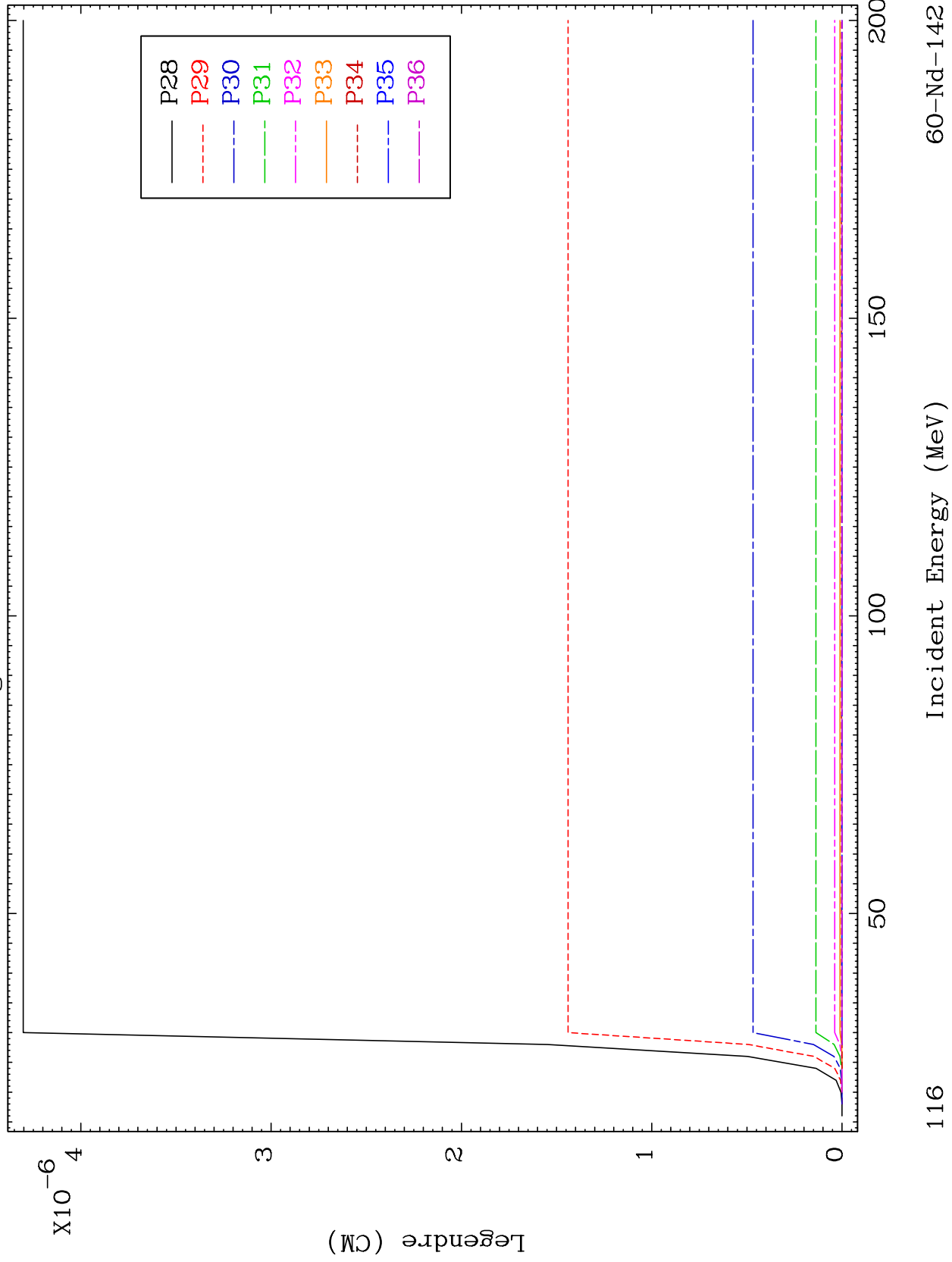
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

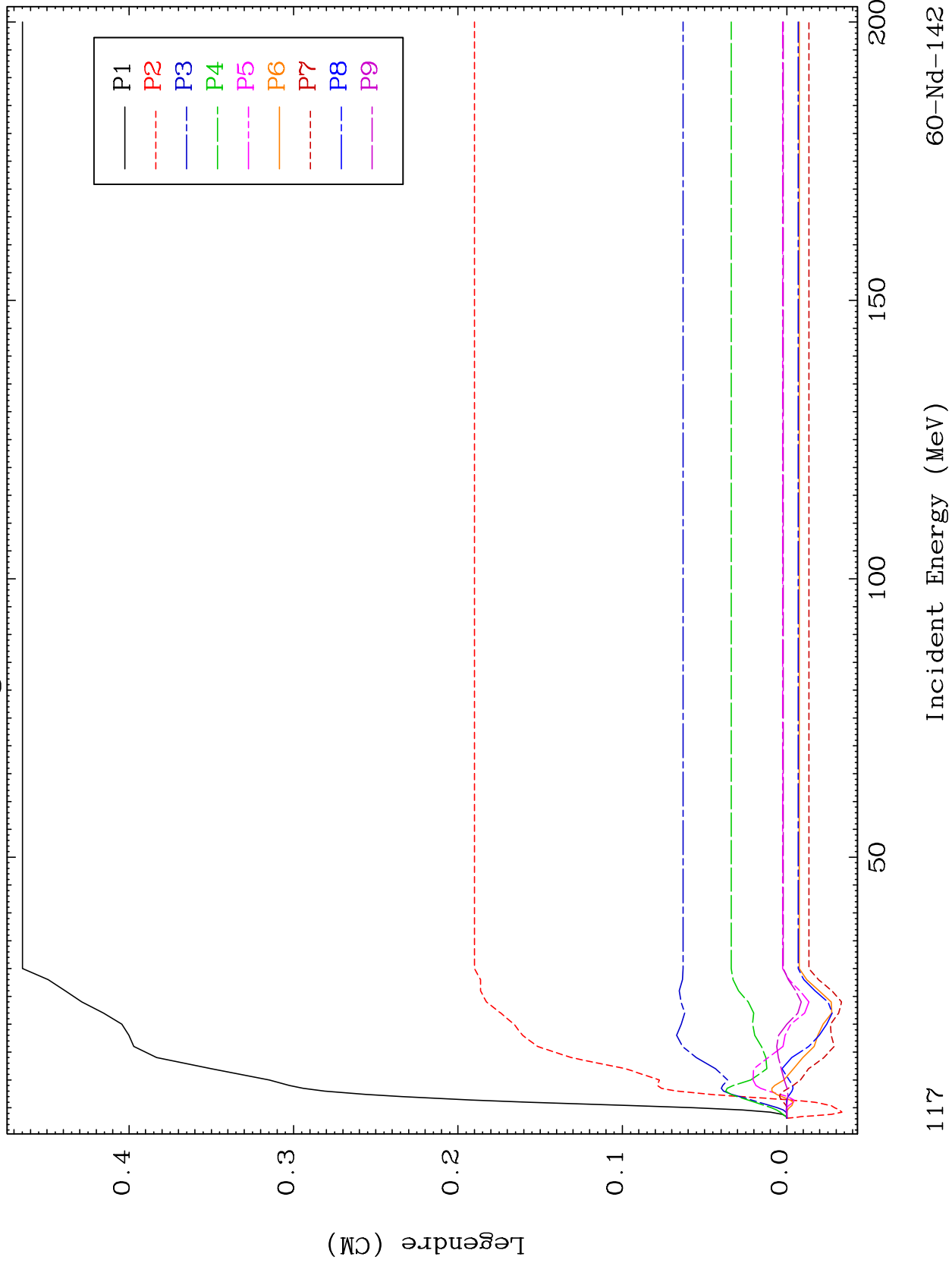
60-Nd-142



MAT 6025

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

60-Nd-142



60-Nd-142

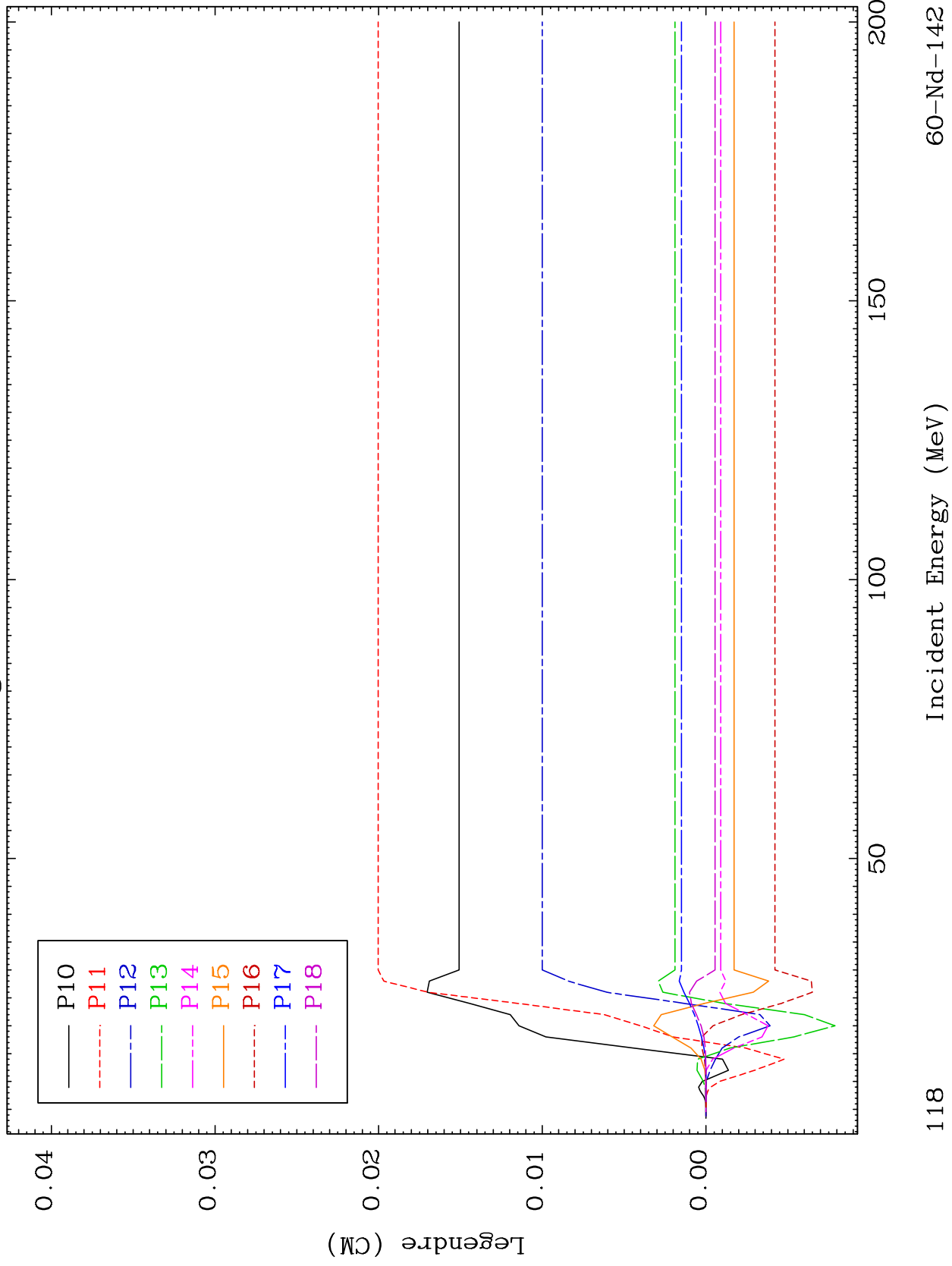
Incident Energy (MeV)

117

MAT 6025

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

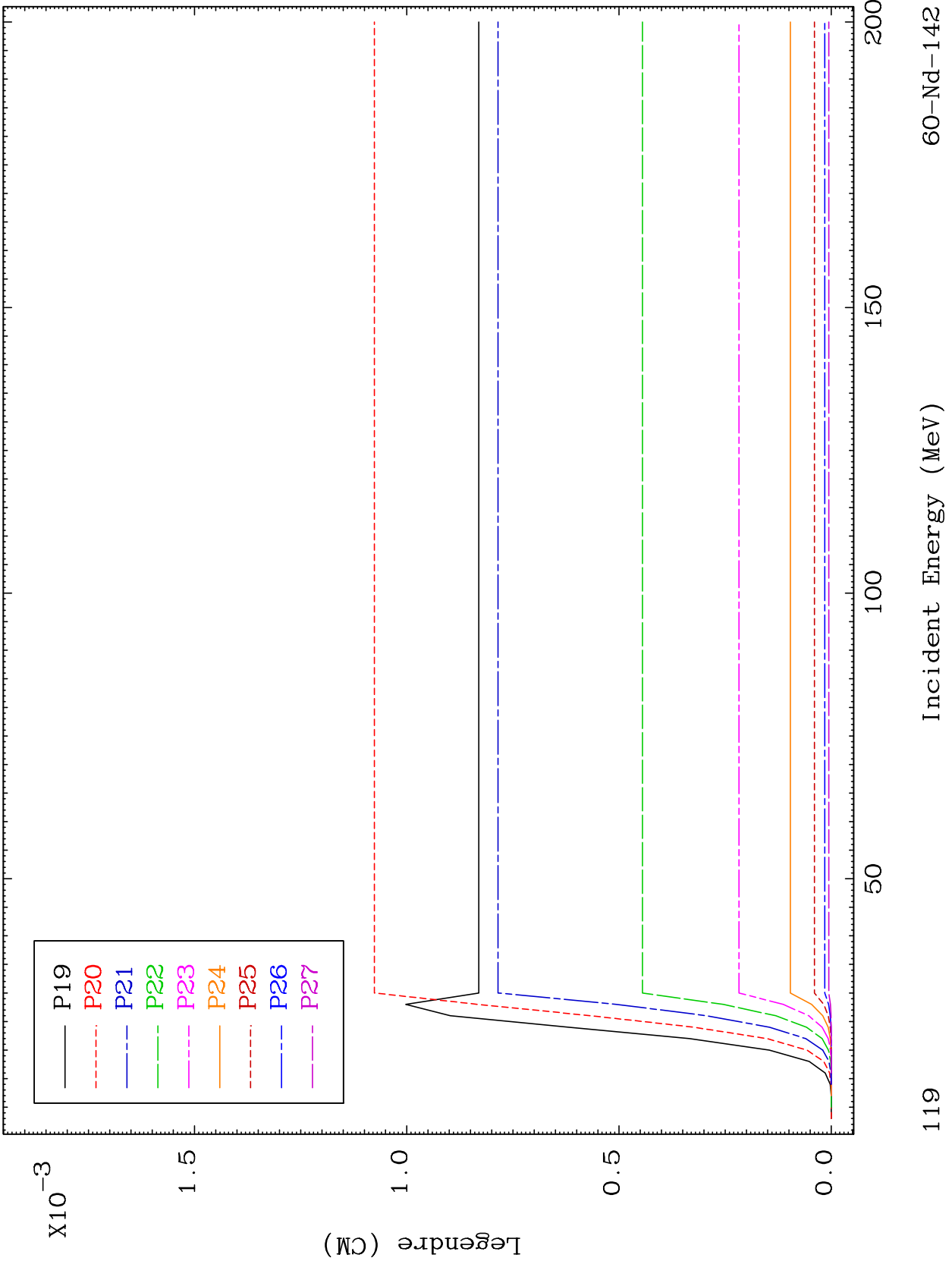
60-Nd-142



MAT 6025

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

60-Nd-142

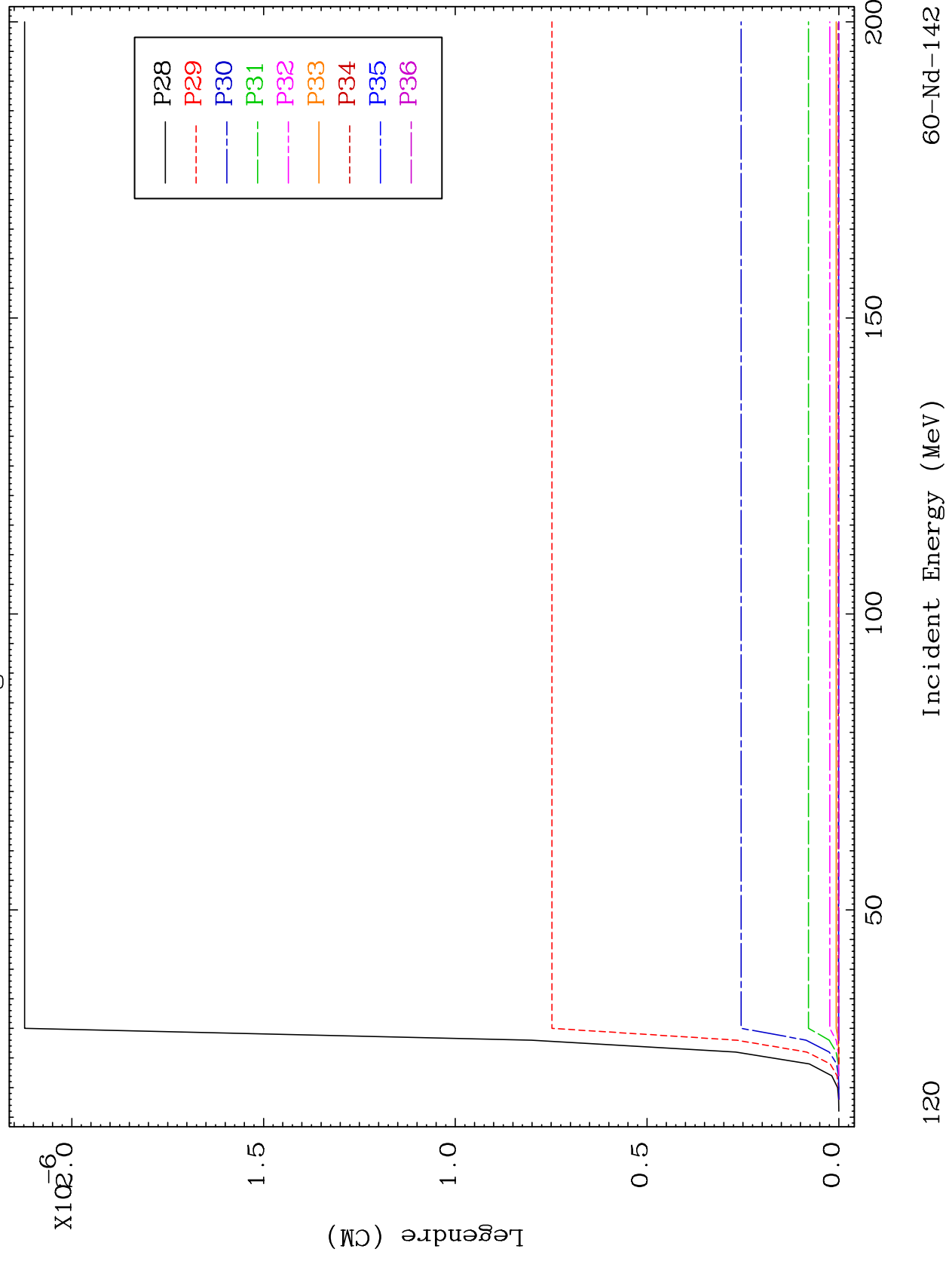




MAT 6025

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

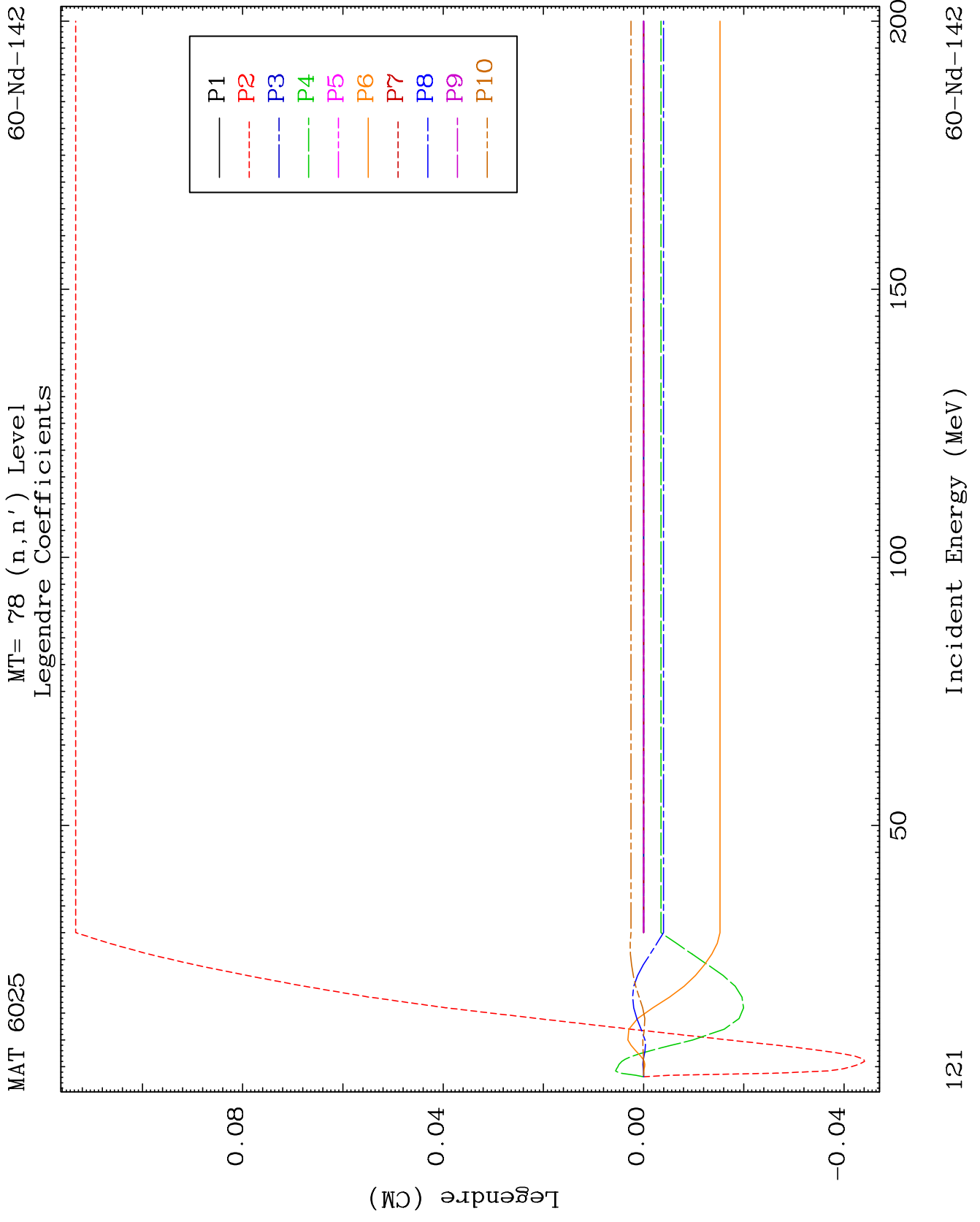
60-Nd-142

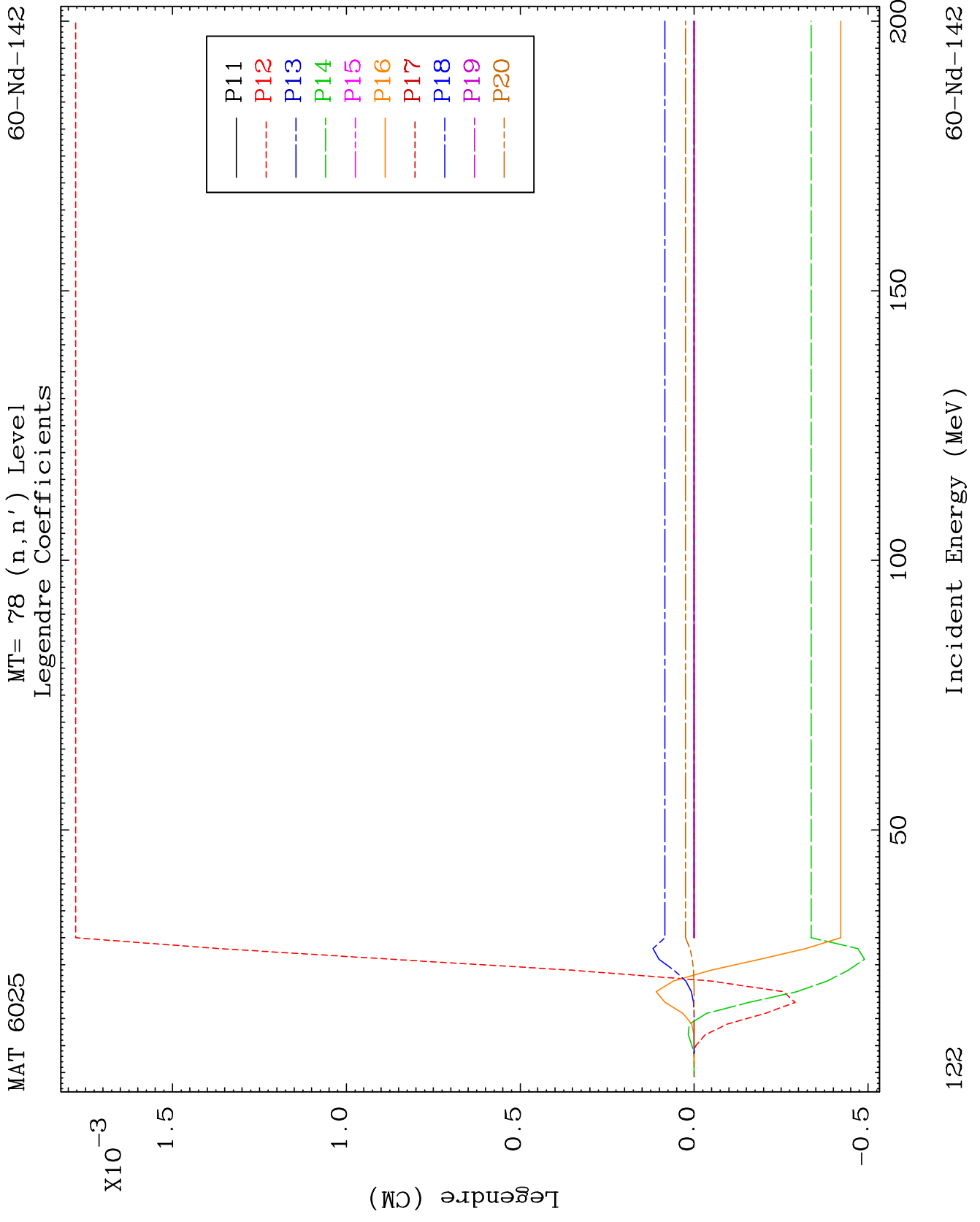


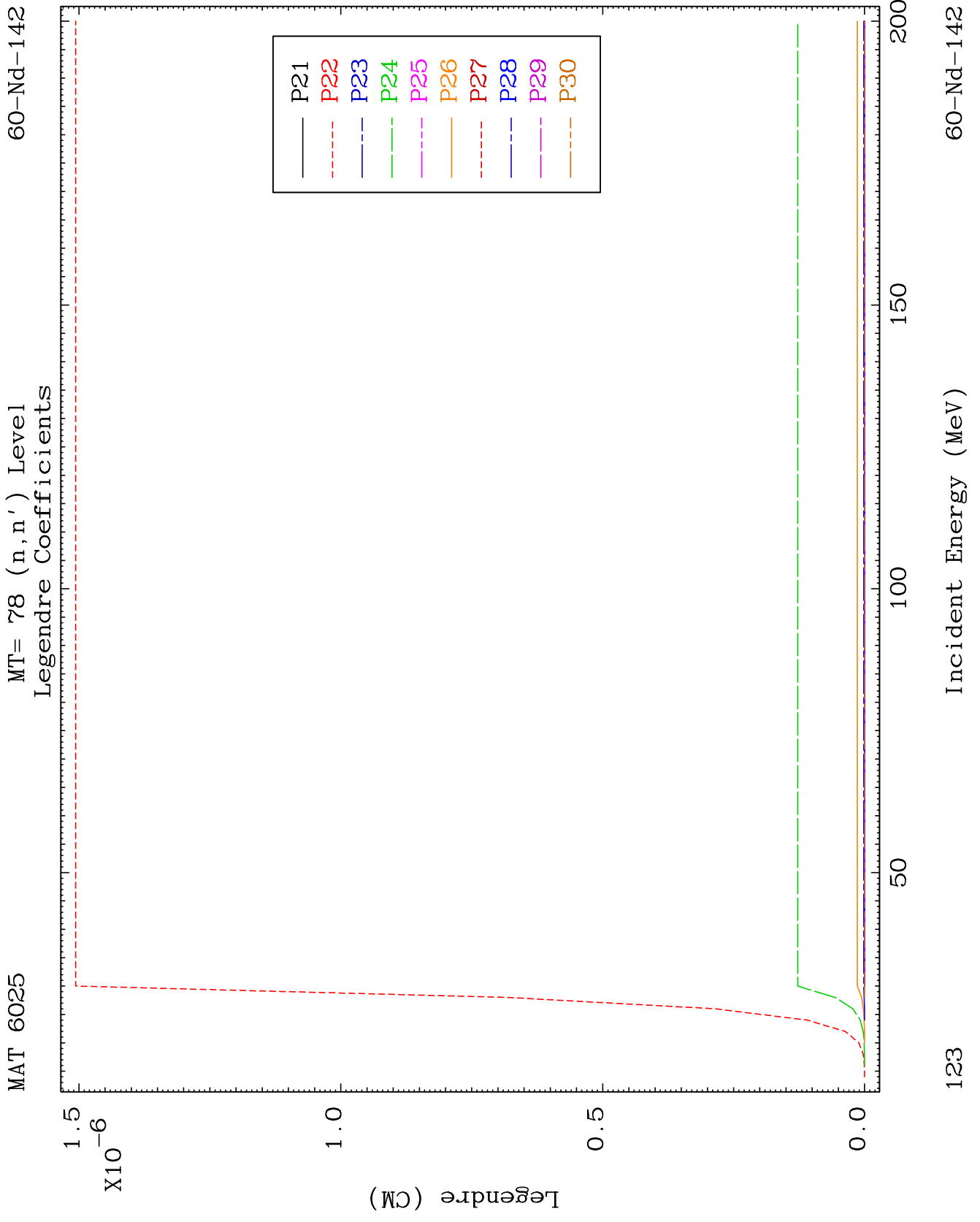
60-Nd-142

Incident Energy (MeV)

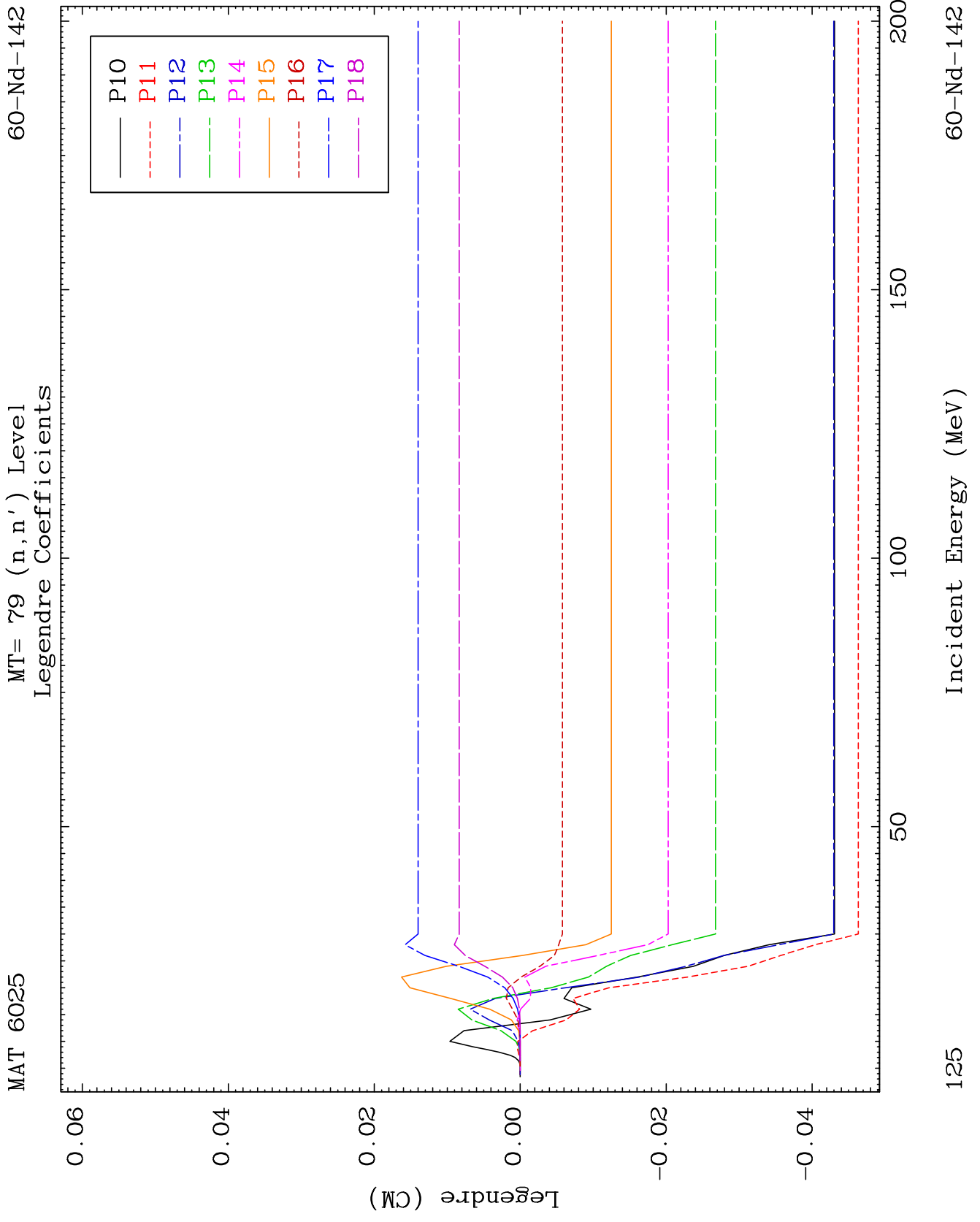
120







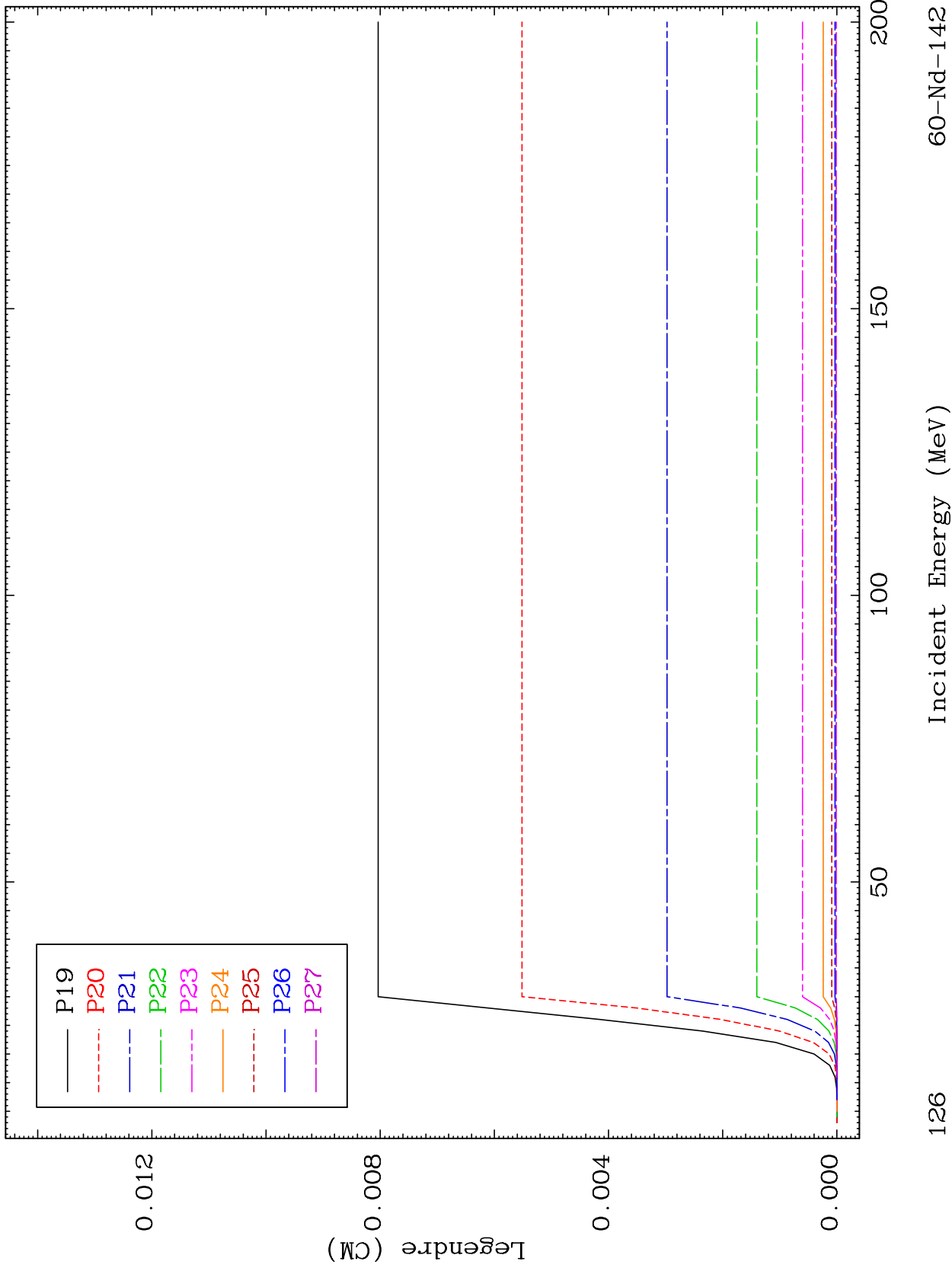




MAT 6025

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

60-Nd-142



126

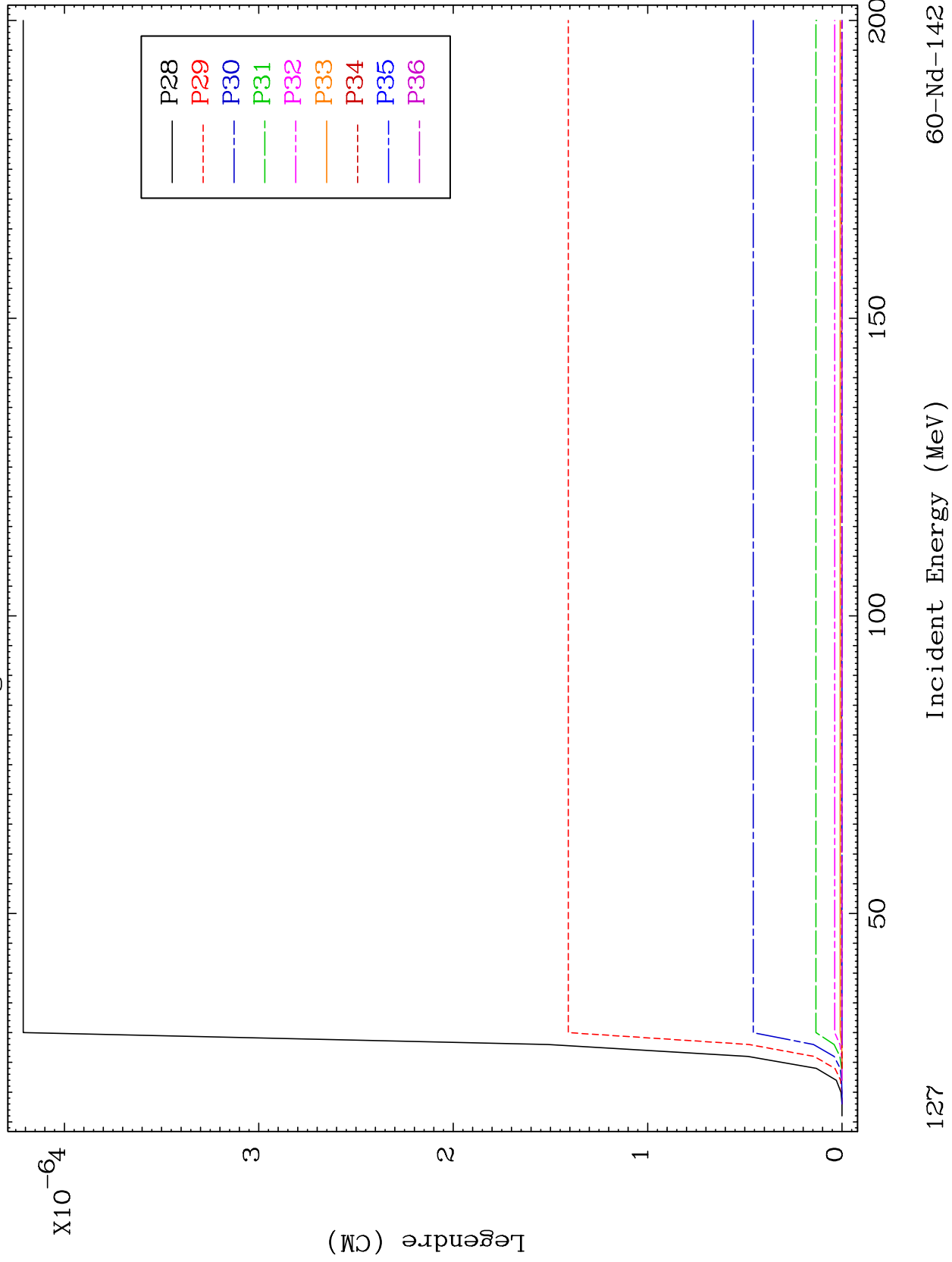
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

60-Nd-142

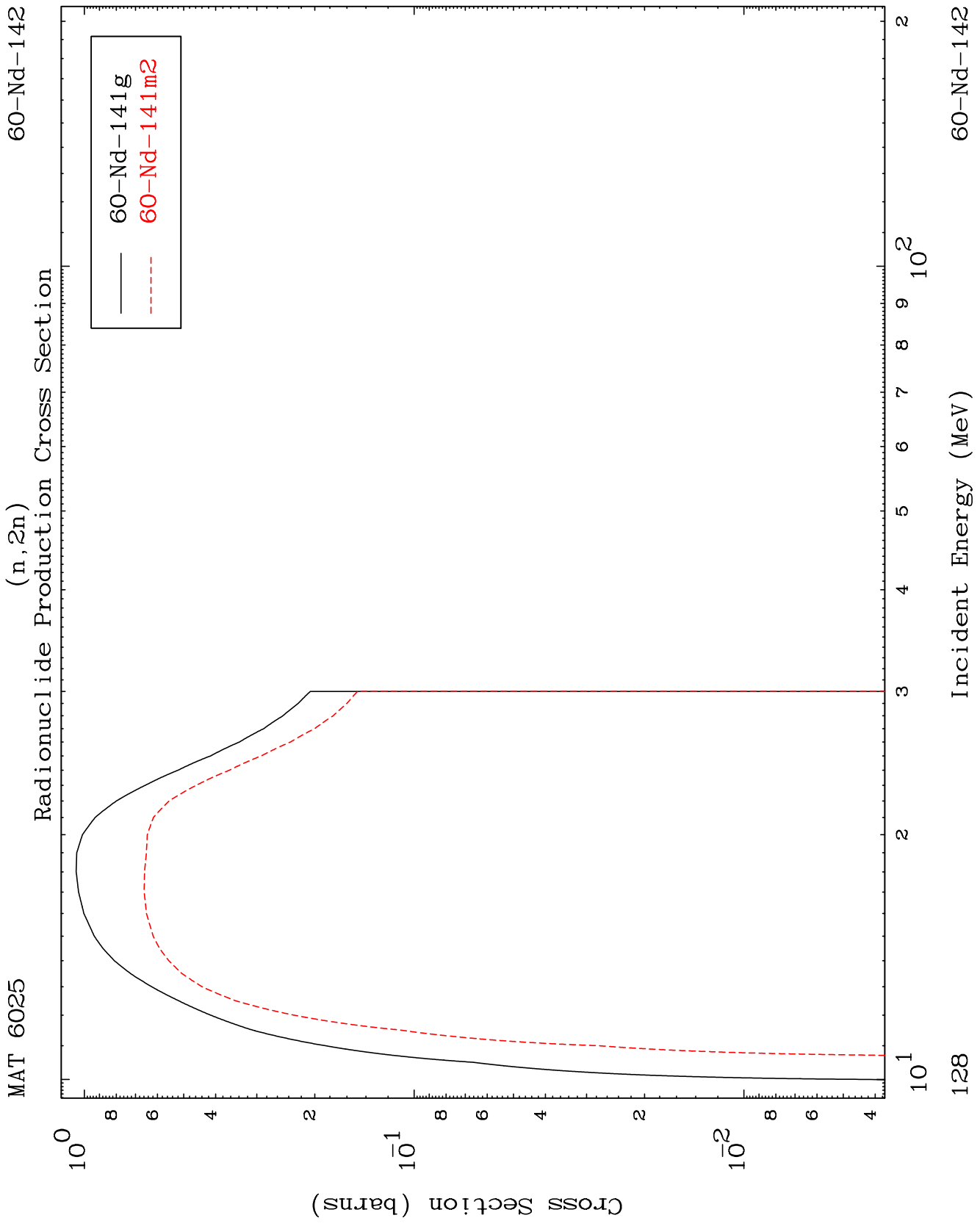


127

Incident Energy (MeV)

60-Nd-142



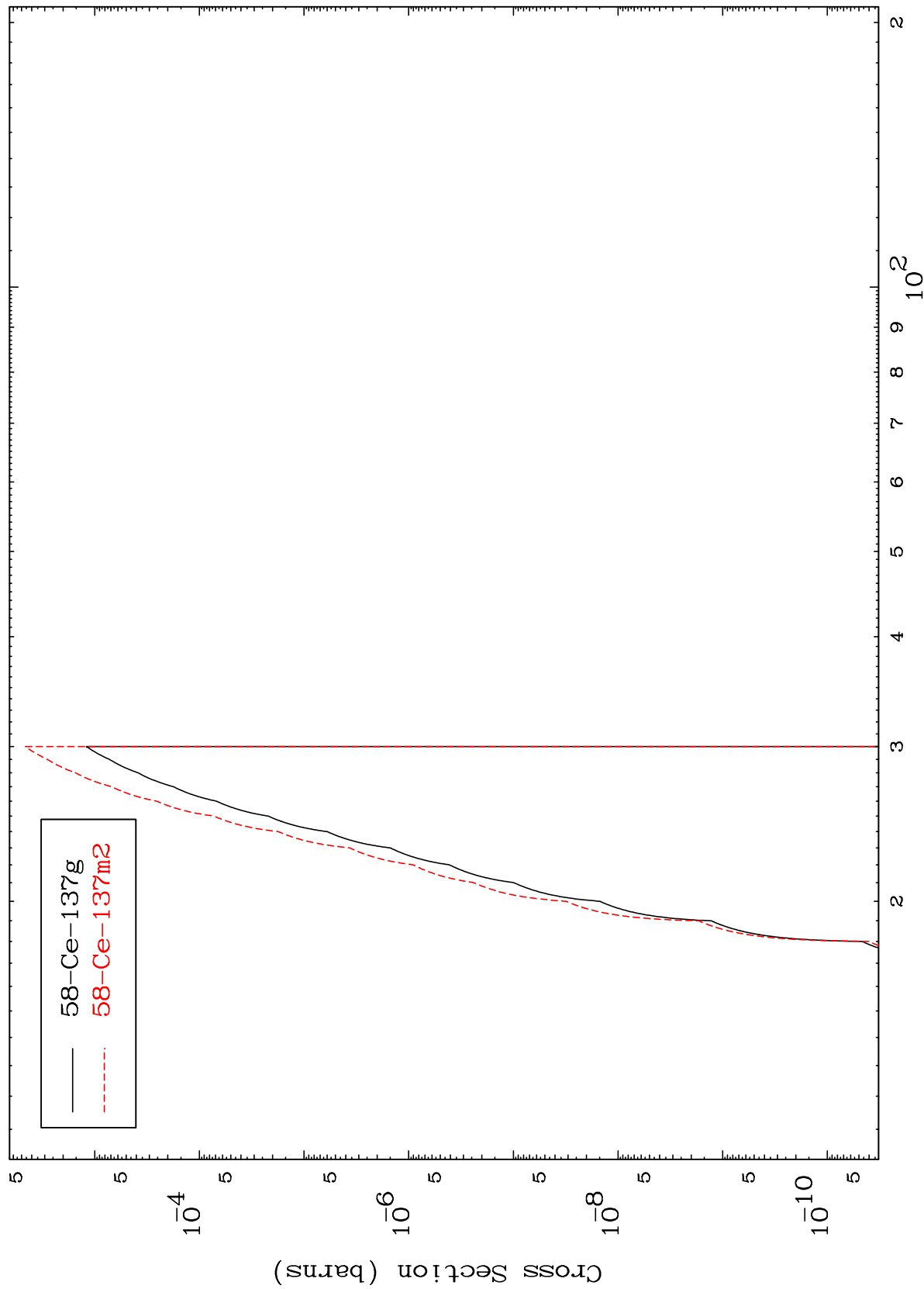


MAT 6025

$(n,2n) \alpha$

$^{60}\text{Nd-142}$

Radionuclide Production Cross Section



129

Incident Energy (MeV)

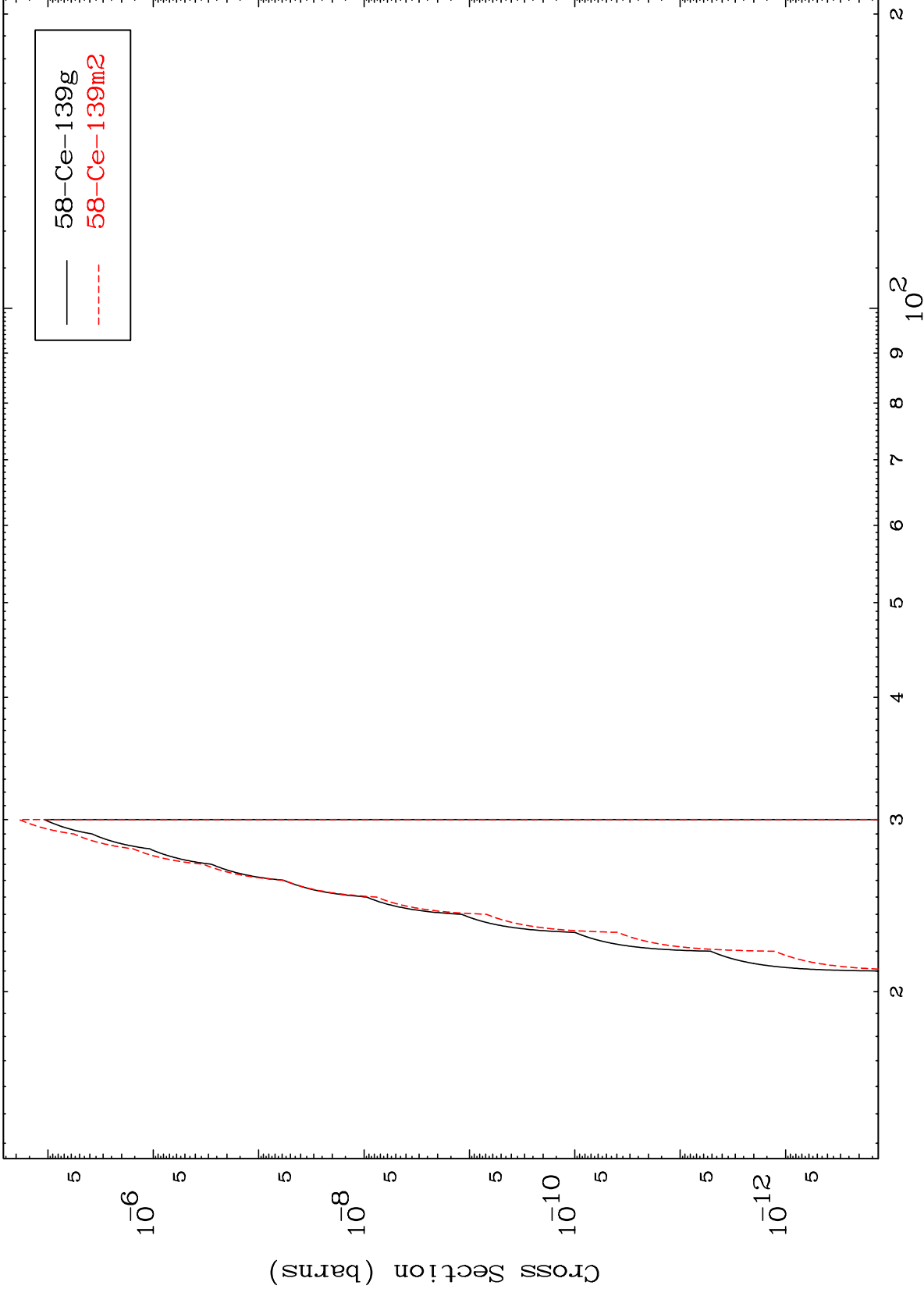
$^{60}\text{Nd-142}$

MAT 6025

(n,n') He-3

60-Nd-142

Radionuclide Production Cross Section



130

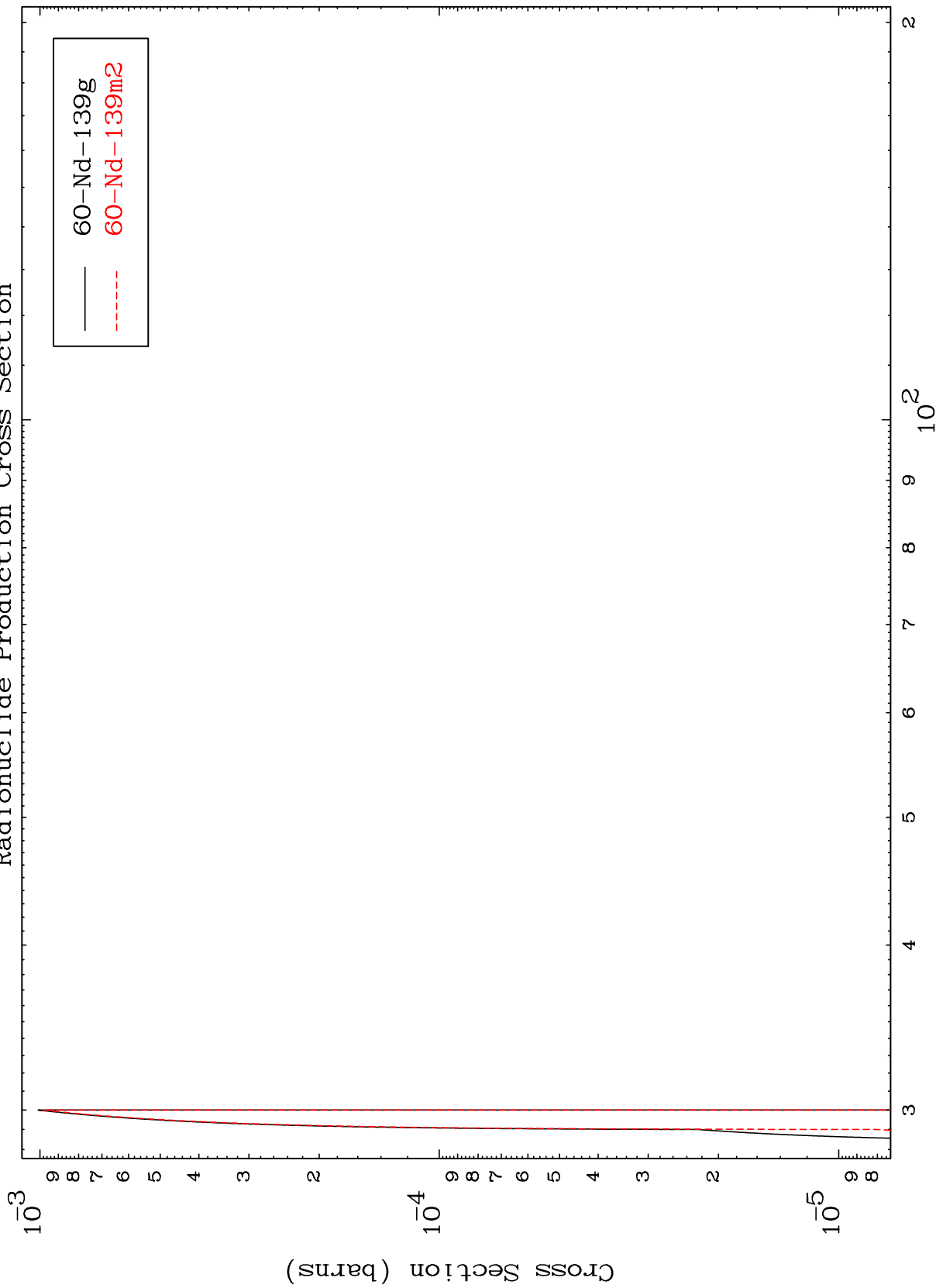
Incident Energy (MeV)

60-Nd-142

MAT 6025

60-Nd-142

(n,4n)  
Radionuclide Production Cross Section



131

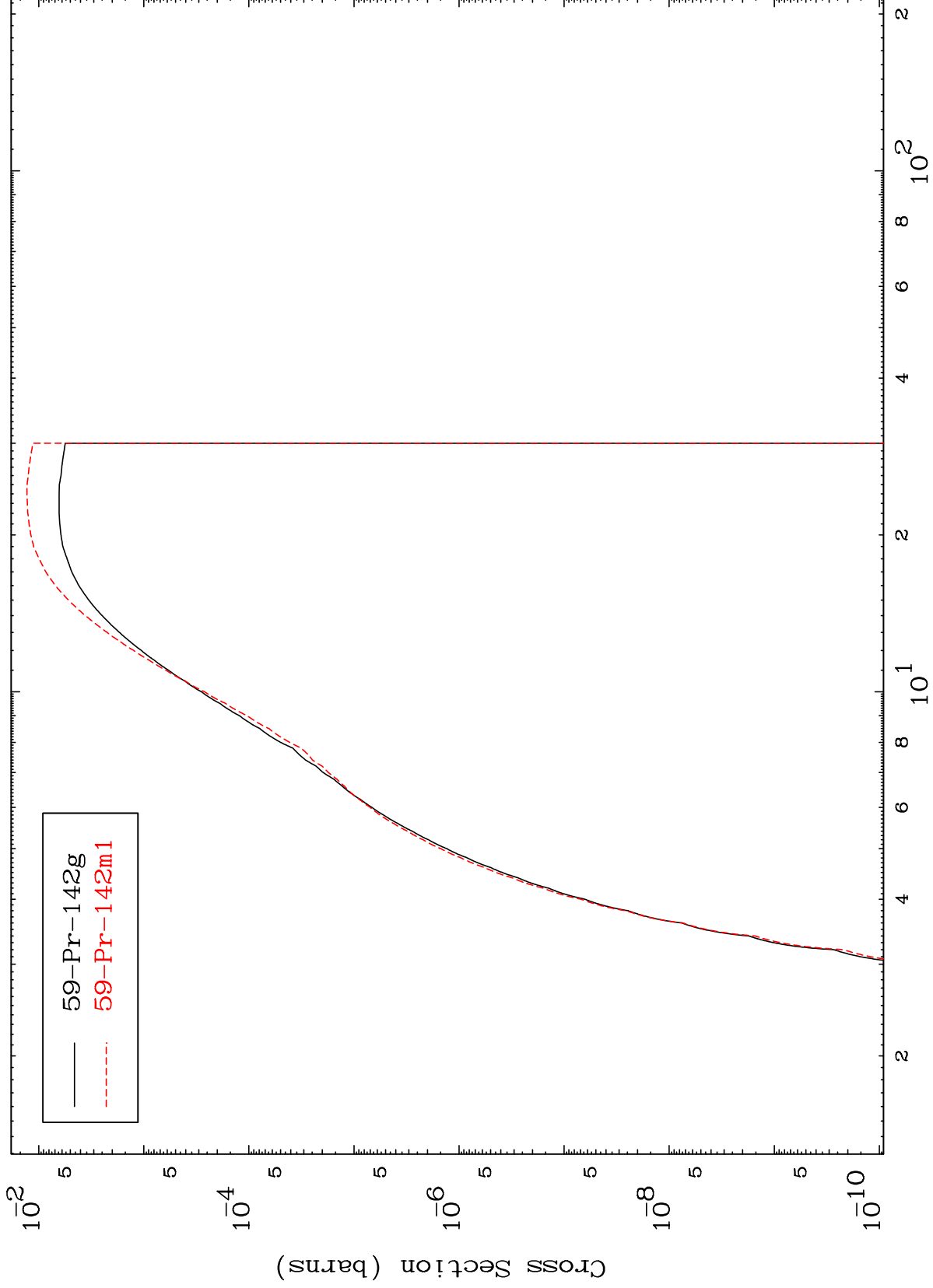
60-Nd-142

Incident Energy (MeV)

MAT 6025

60-Nd-142

(n,p)  
Radionuclide Production Cross Section



132

60-Nd-142

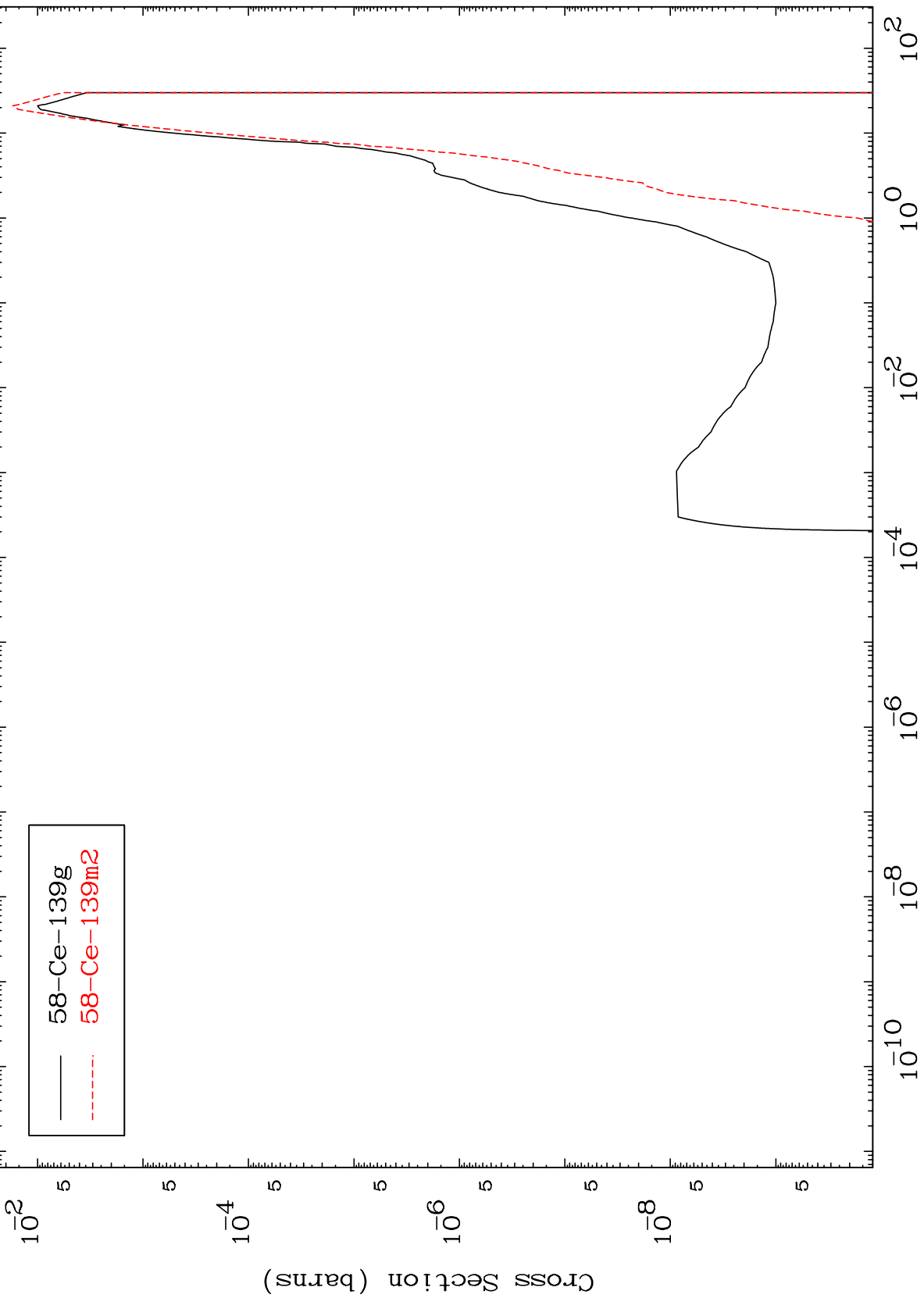
Incident Energy (MeV)

MAT 6025

(n,  $\alpha$ )

<sup>60</sup>Nd-142

Radionuclide Production Cross Section



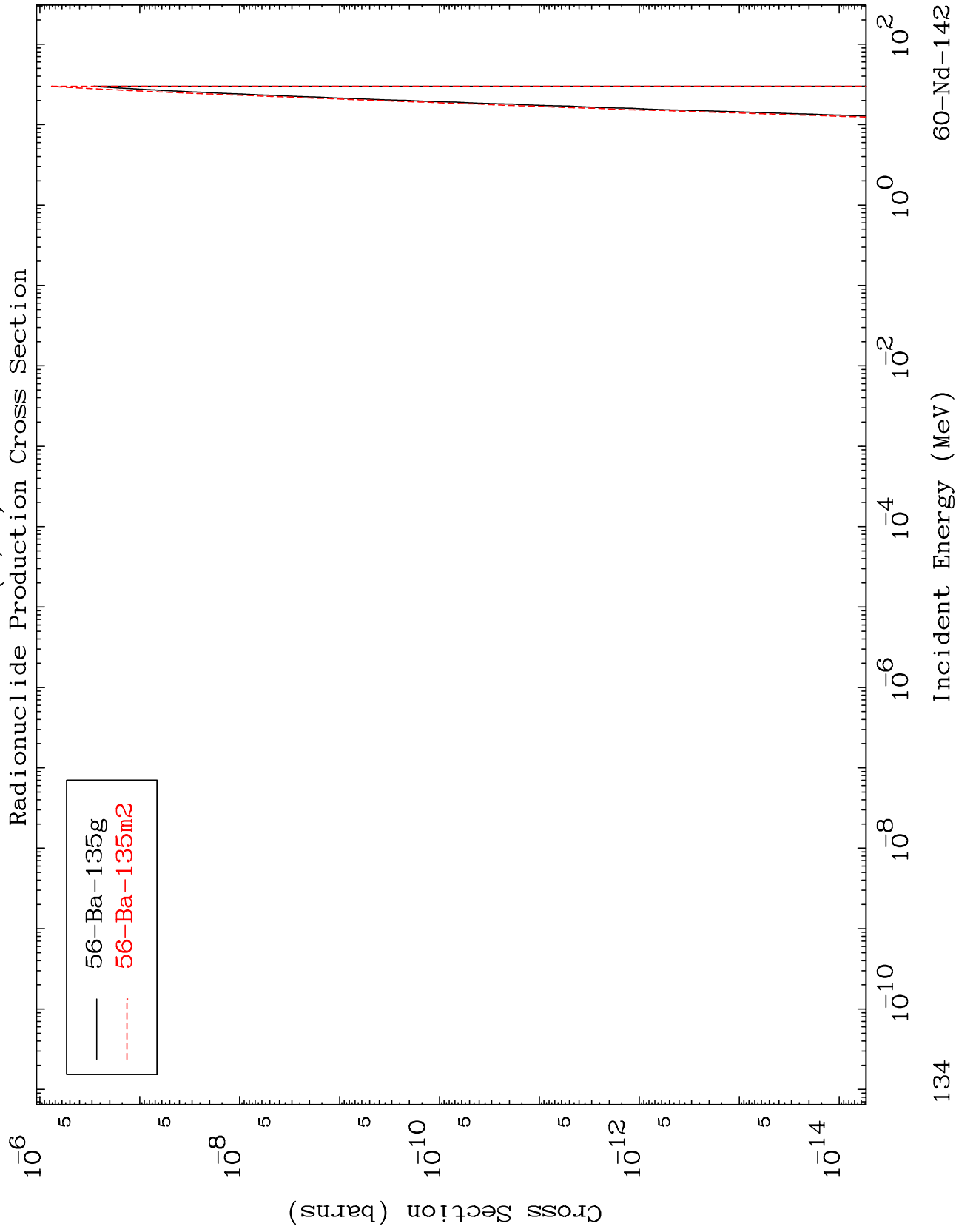
58-Ce-139g  
58-Ce-139m2

MAT 6025

(n,2α)

60-Nd-142

Radionuclide Production Cross Section



134

Incident Energy (MeV)

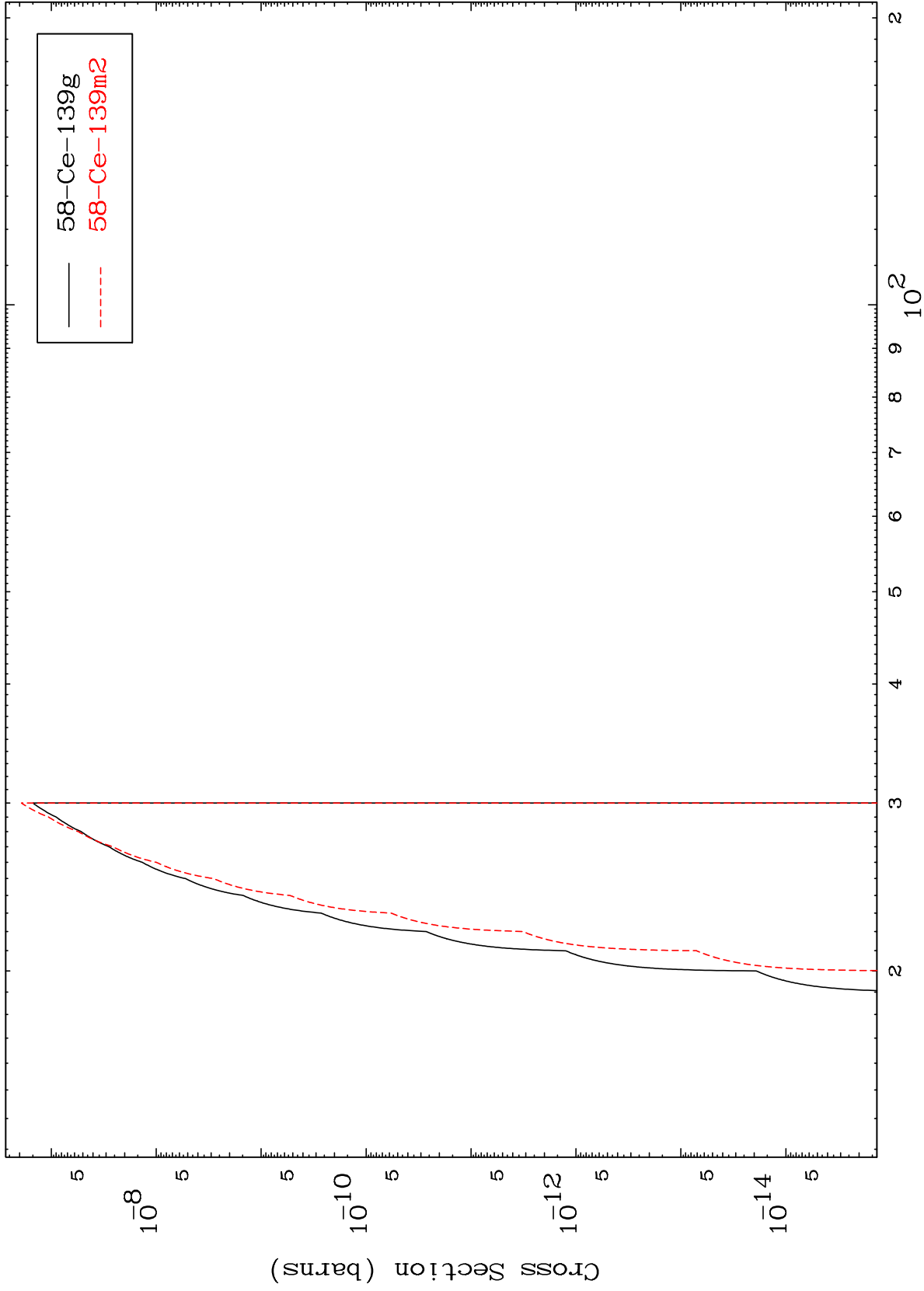
60-Nd-142

MAT 6025

(n,p) t

60-Nd-142

Radionuclide Production Cross Section



135

Incident Energy (MeV)

60-Nd-142