

Program EVALPLOT
(Version 2021-1)

by

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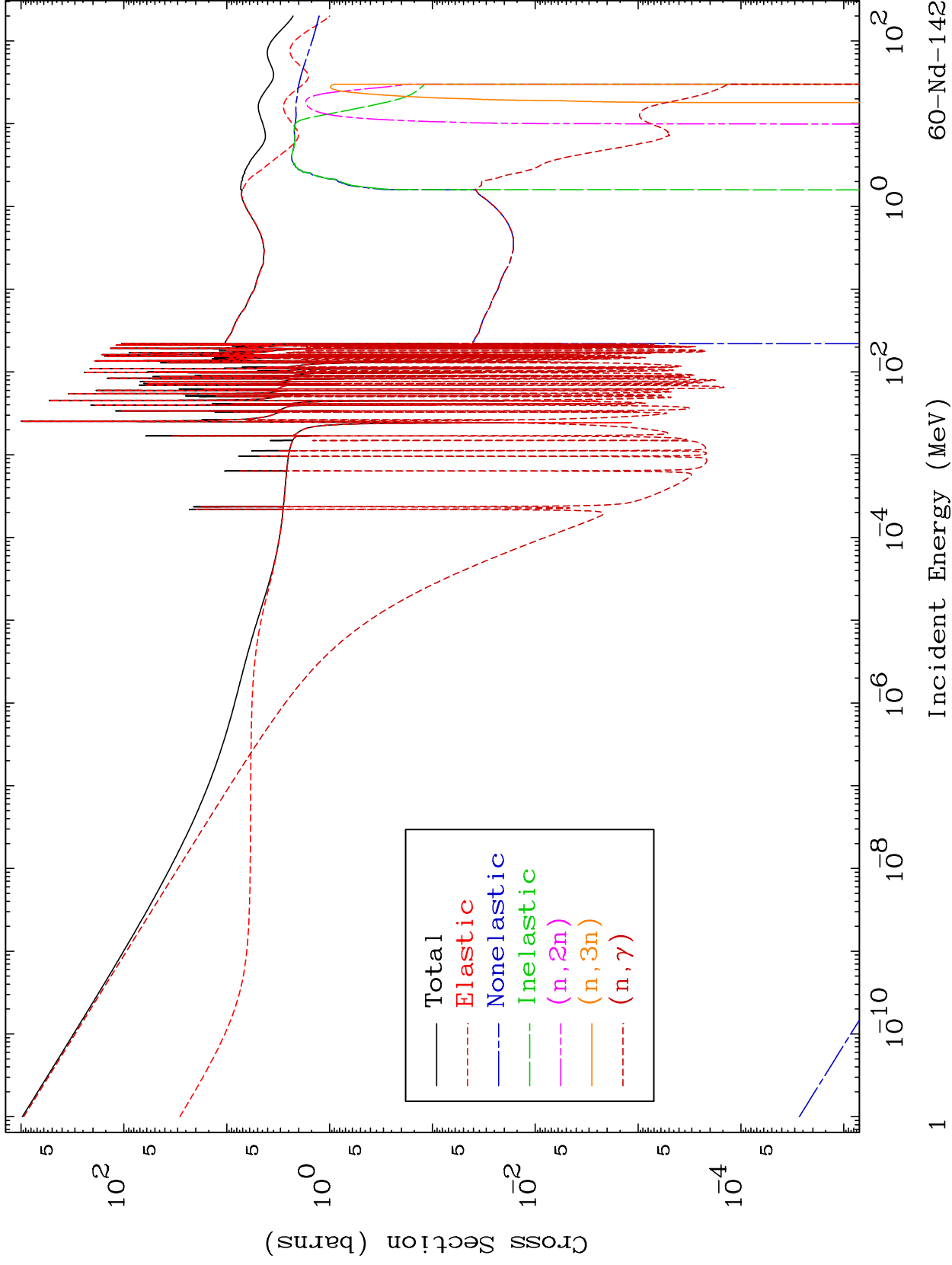
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6025

Neutron Major
293 Kelvin Cross Sections

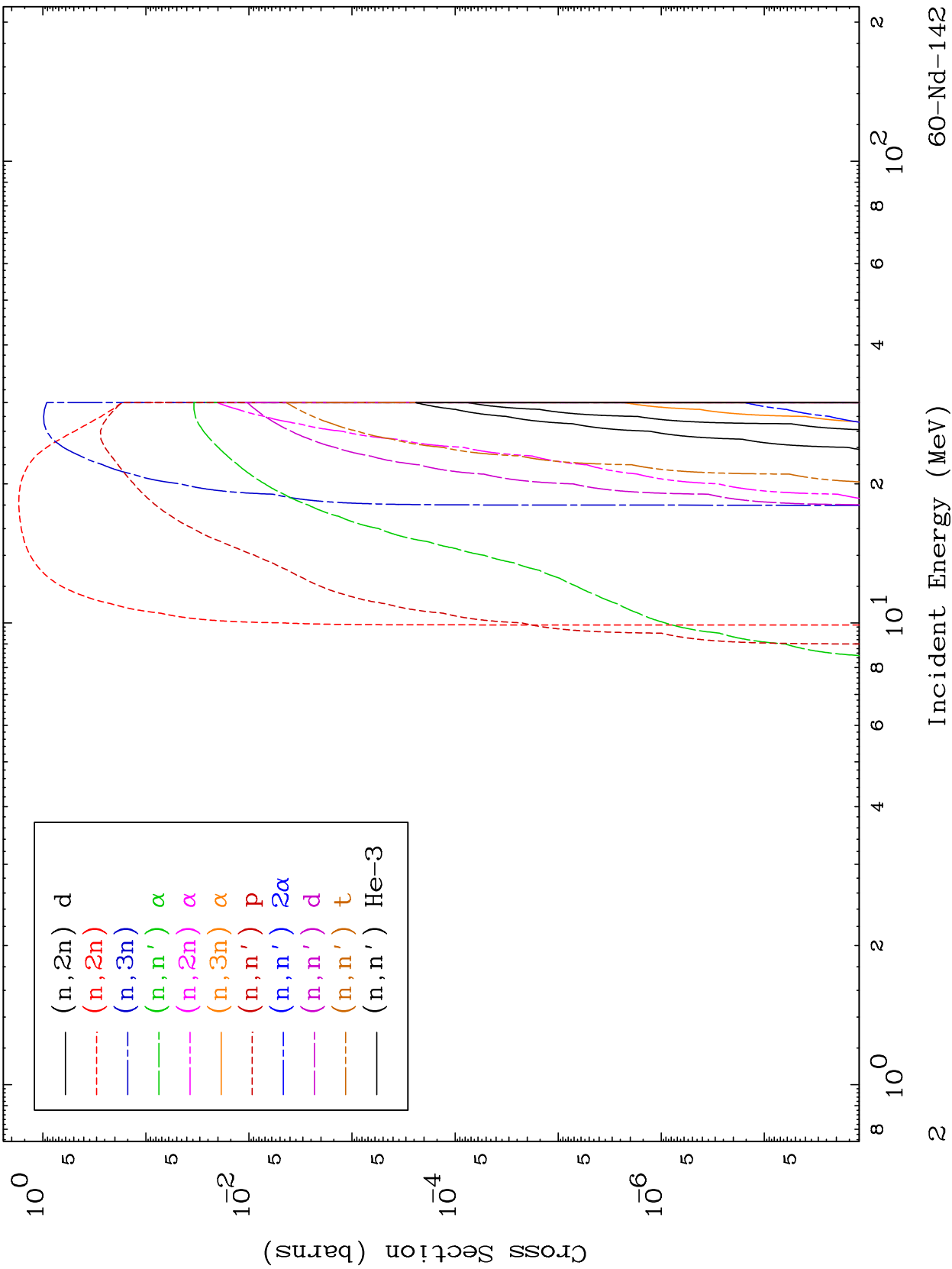
60-Nd-142



MAT 6025

Neutron Absorption
293 Kelvin Cross Sections

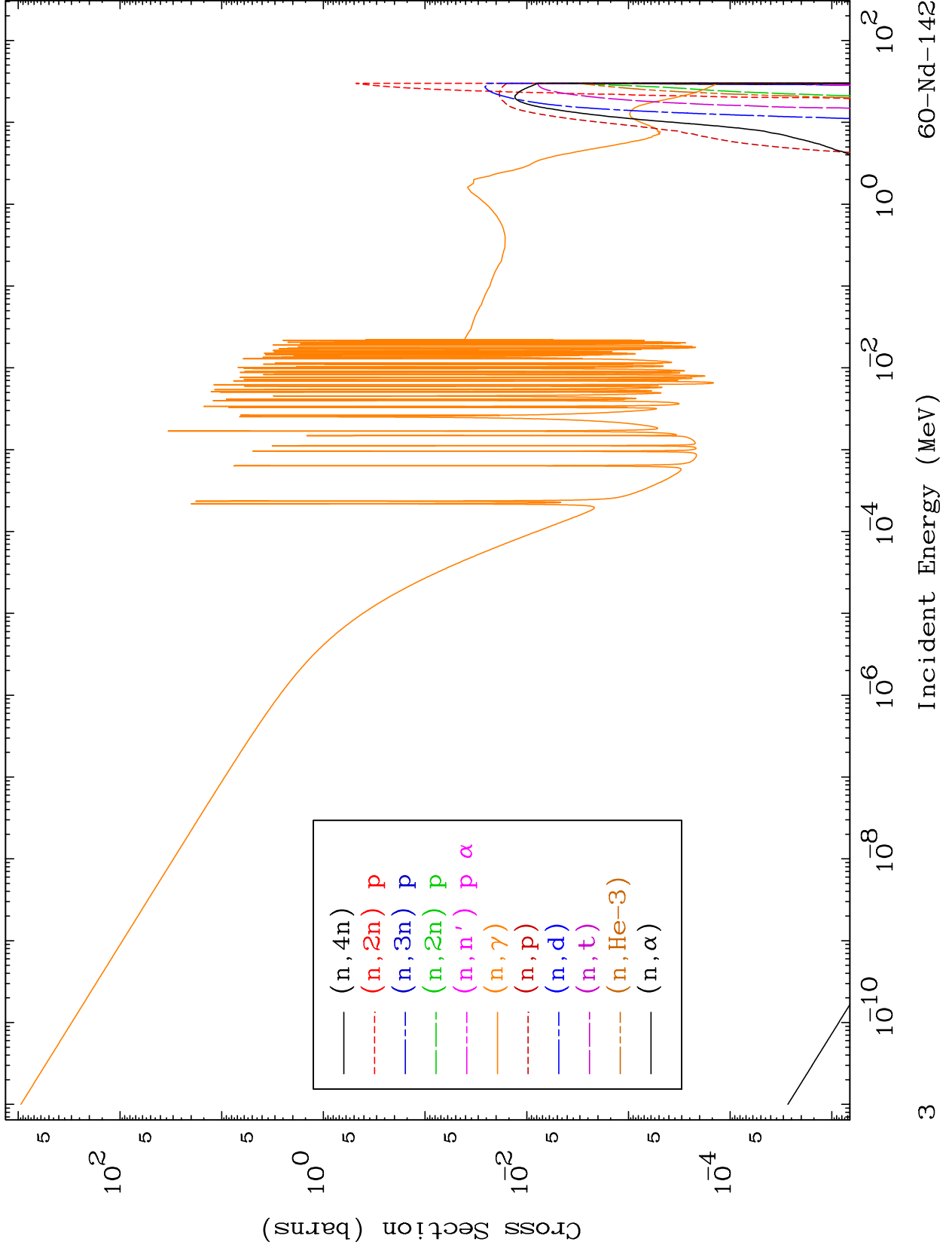
60-Nd-142



MAT 6025

Neutron Absorption
293 Kelvin Cross Sections

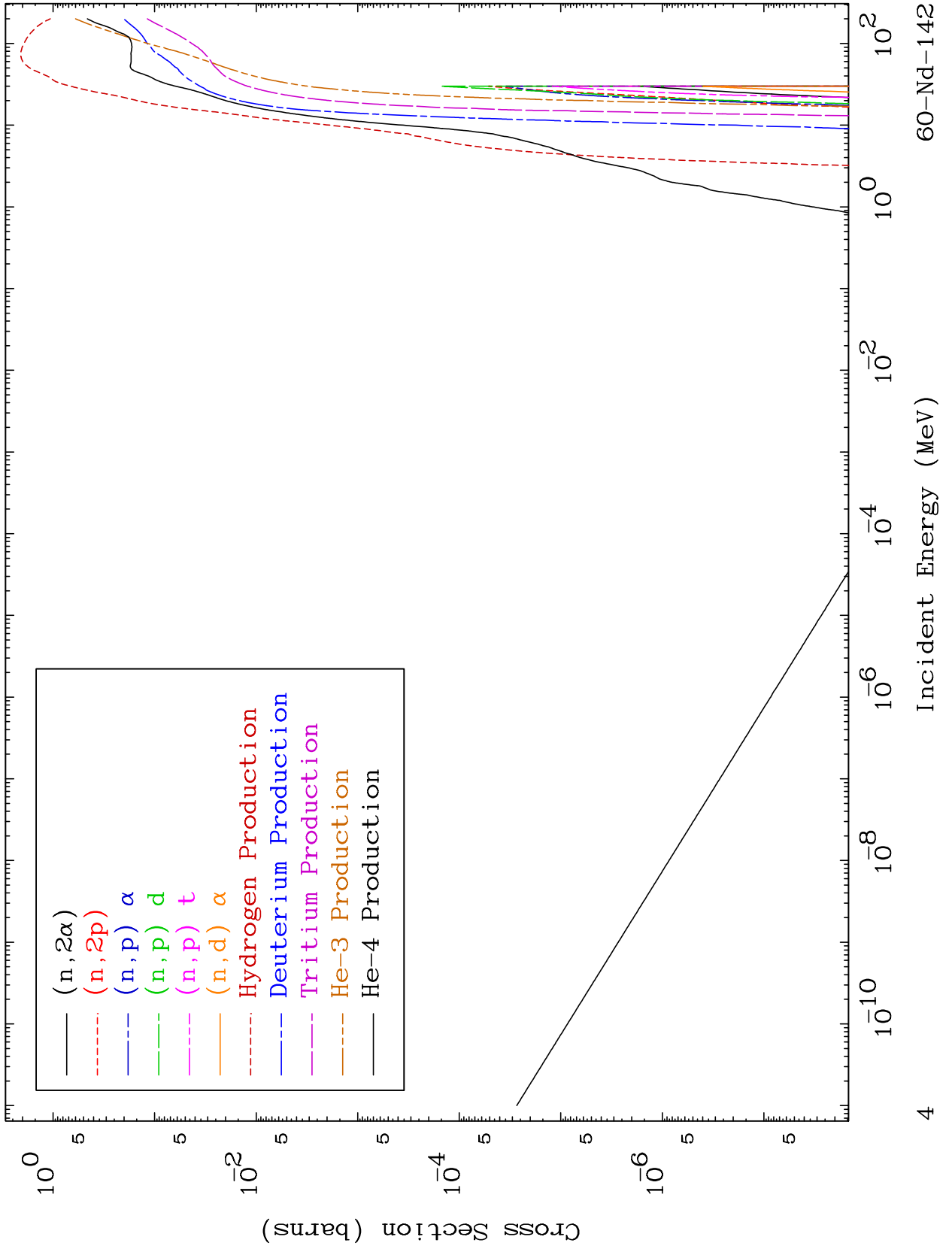
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MAT 6025

Neutron Absorption
293 Kelvin Cross Sections

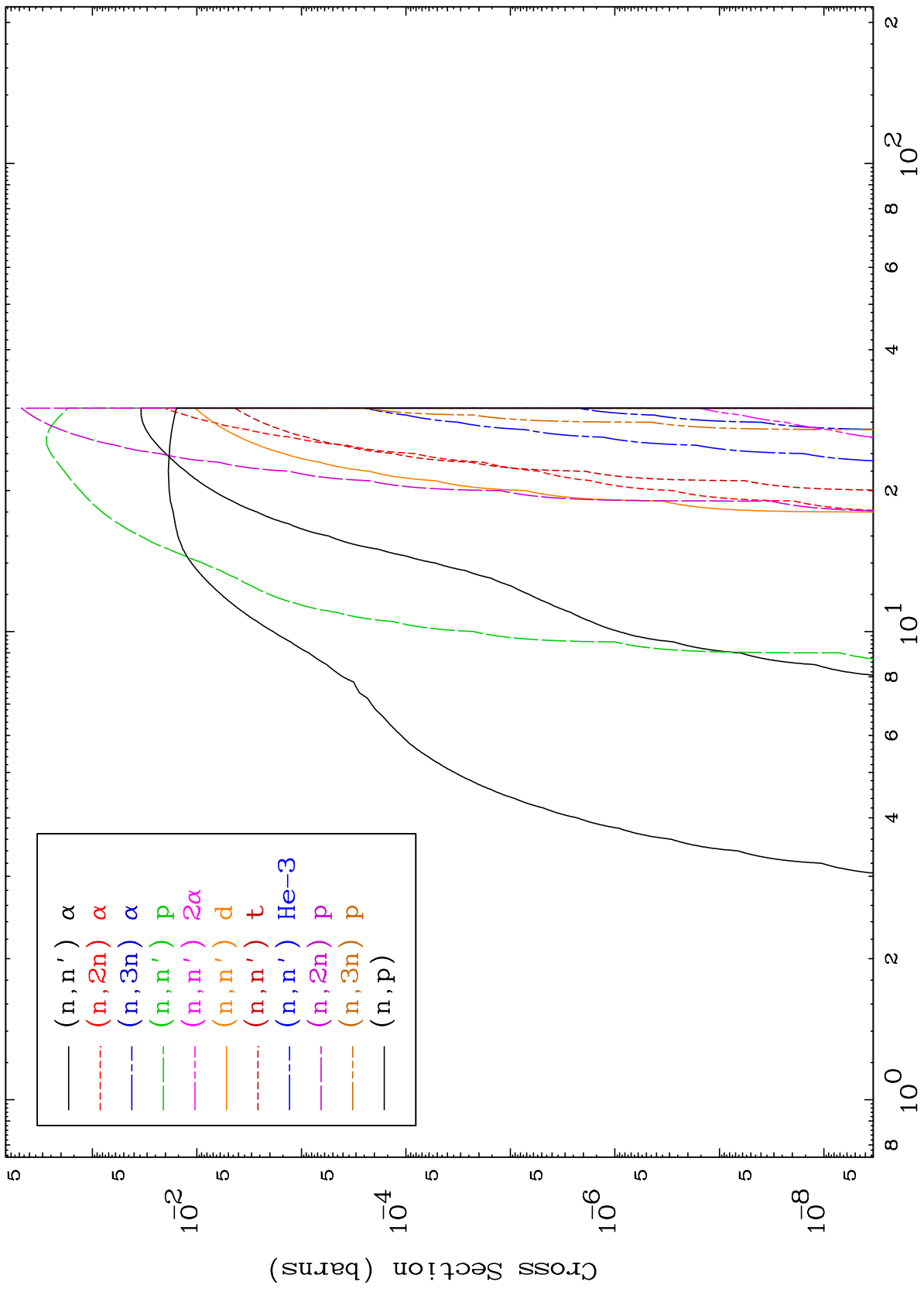
60-Nd-142



MAT 6025

Charged Particle
293 Kelvin Cross Sections

60-Nd-142



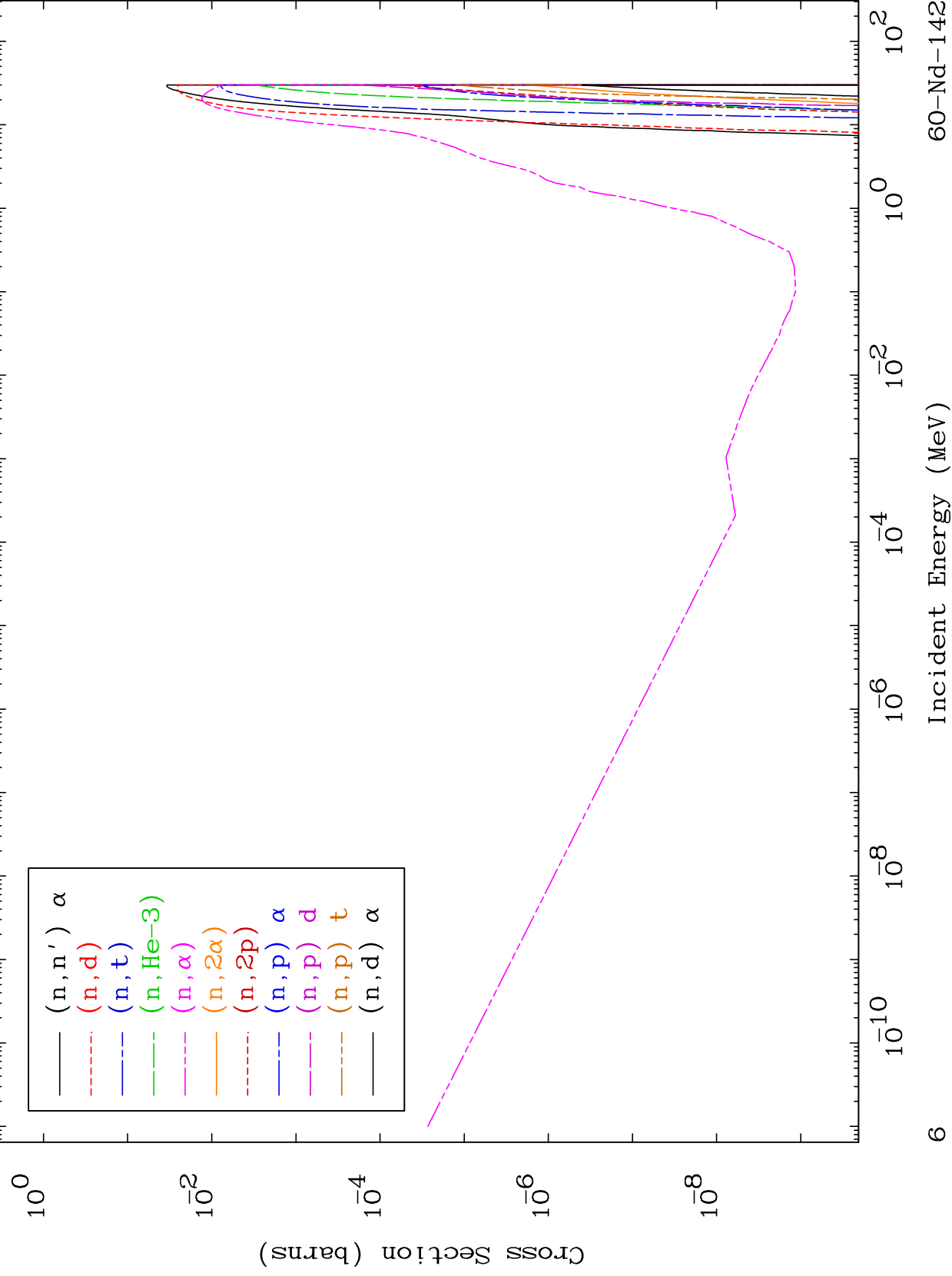
Incident Energy (MeV)

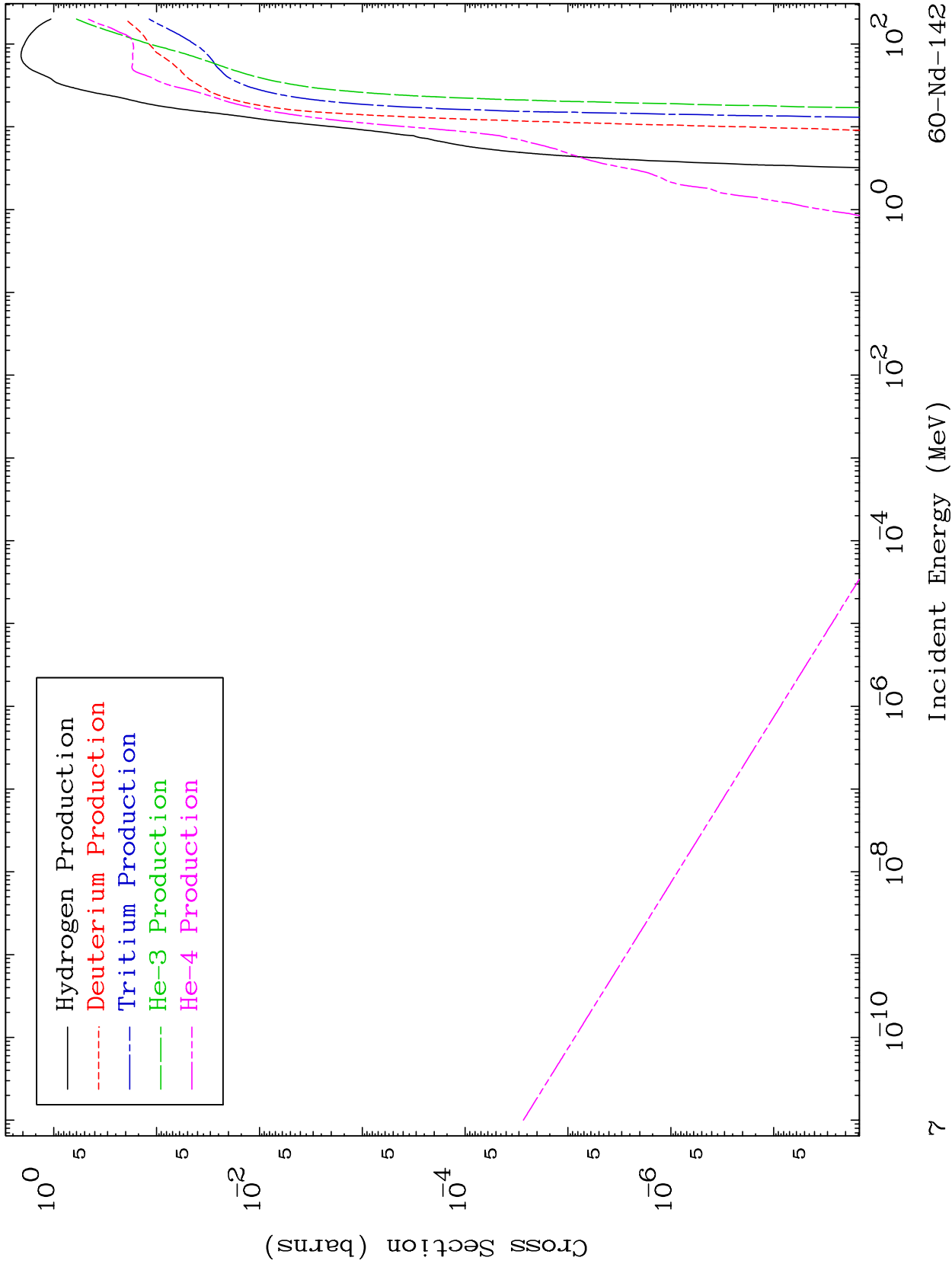
60-Nd-142

MAT 6025

Charged Particle
293 Kelvin Cross Sections

60-Nd-142



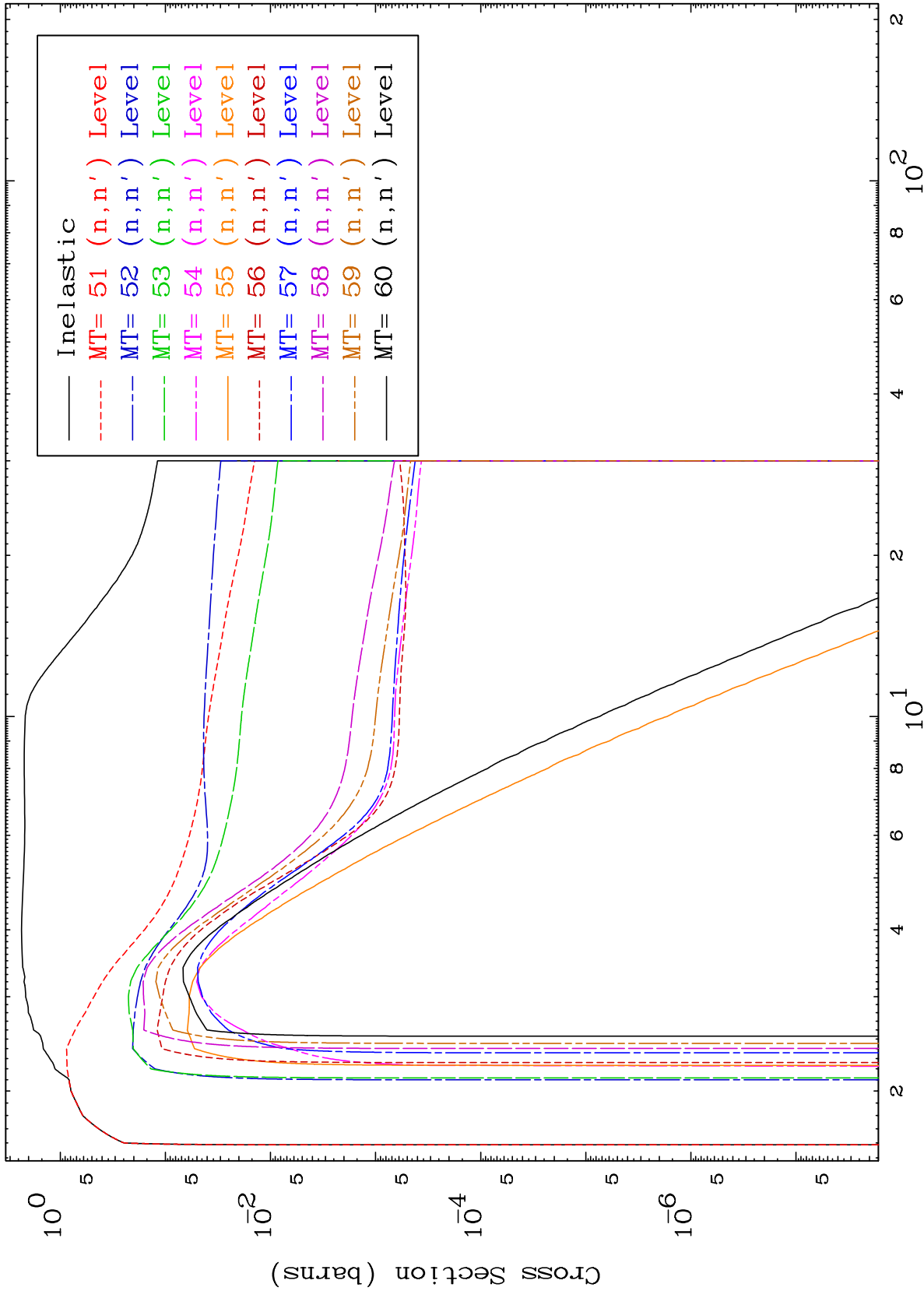


MAT 6025

(n,n') Levels

293 Kelvin Cross Sections

60-Nd-142



8

Incident Energy (MeV)

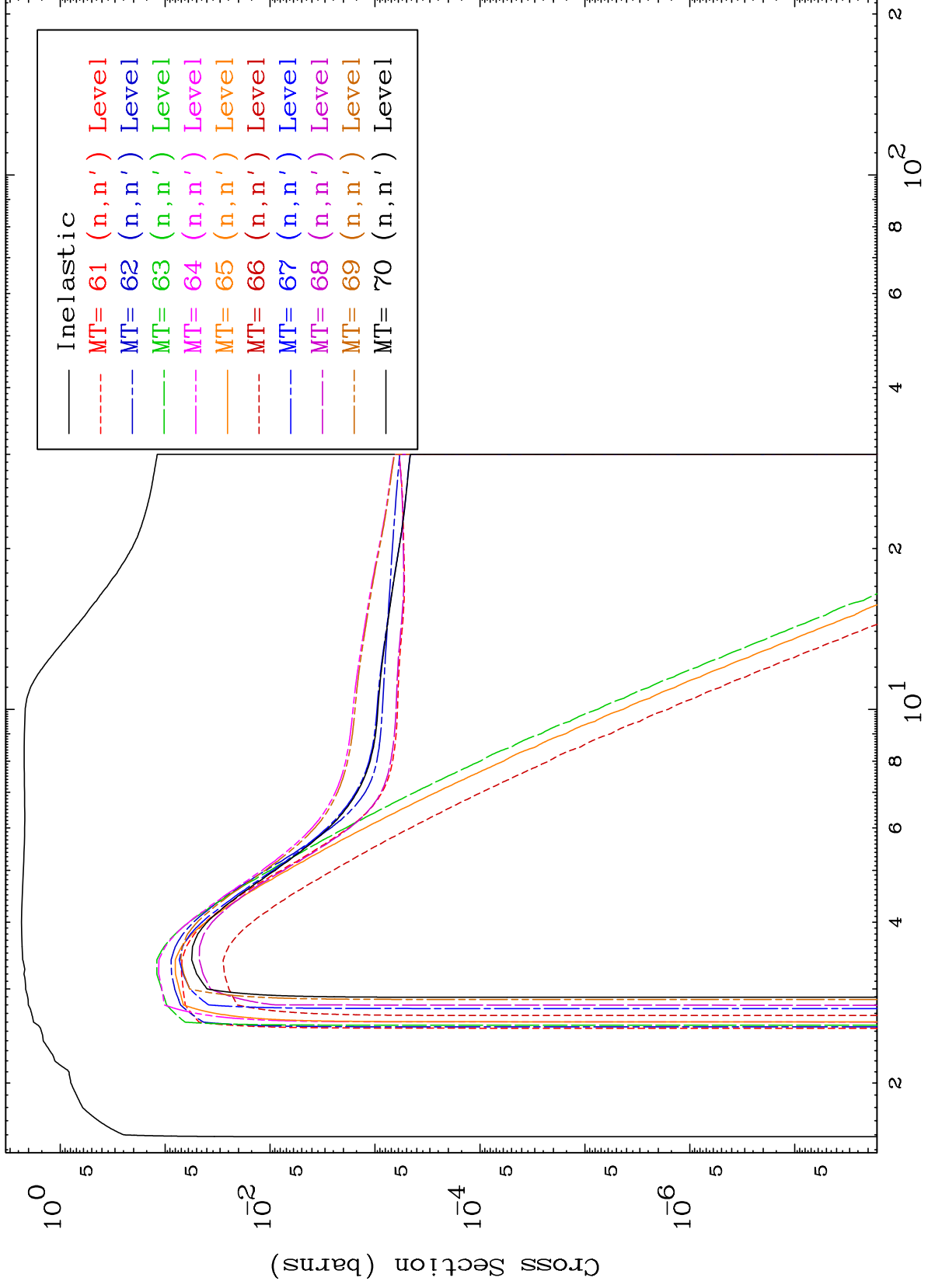
60-Nd-142

MAT 6025

(n,n') Levels

60-Nd-142

293 Kelvin Cross Sections

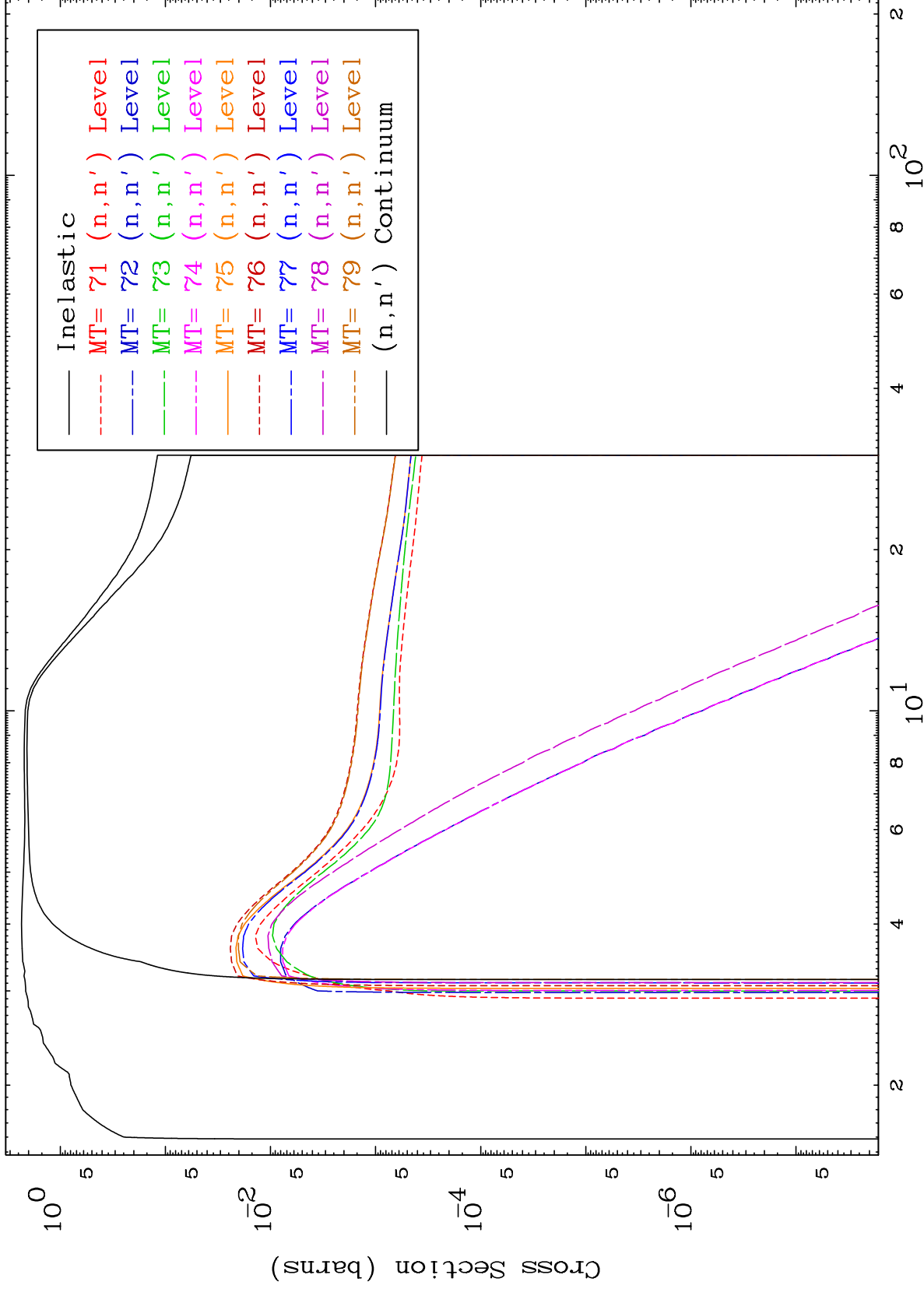


MAT 6025

(n,n') Levels

293 Kelvin Cross Sections

60-Nd-142



10

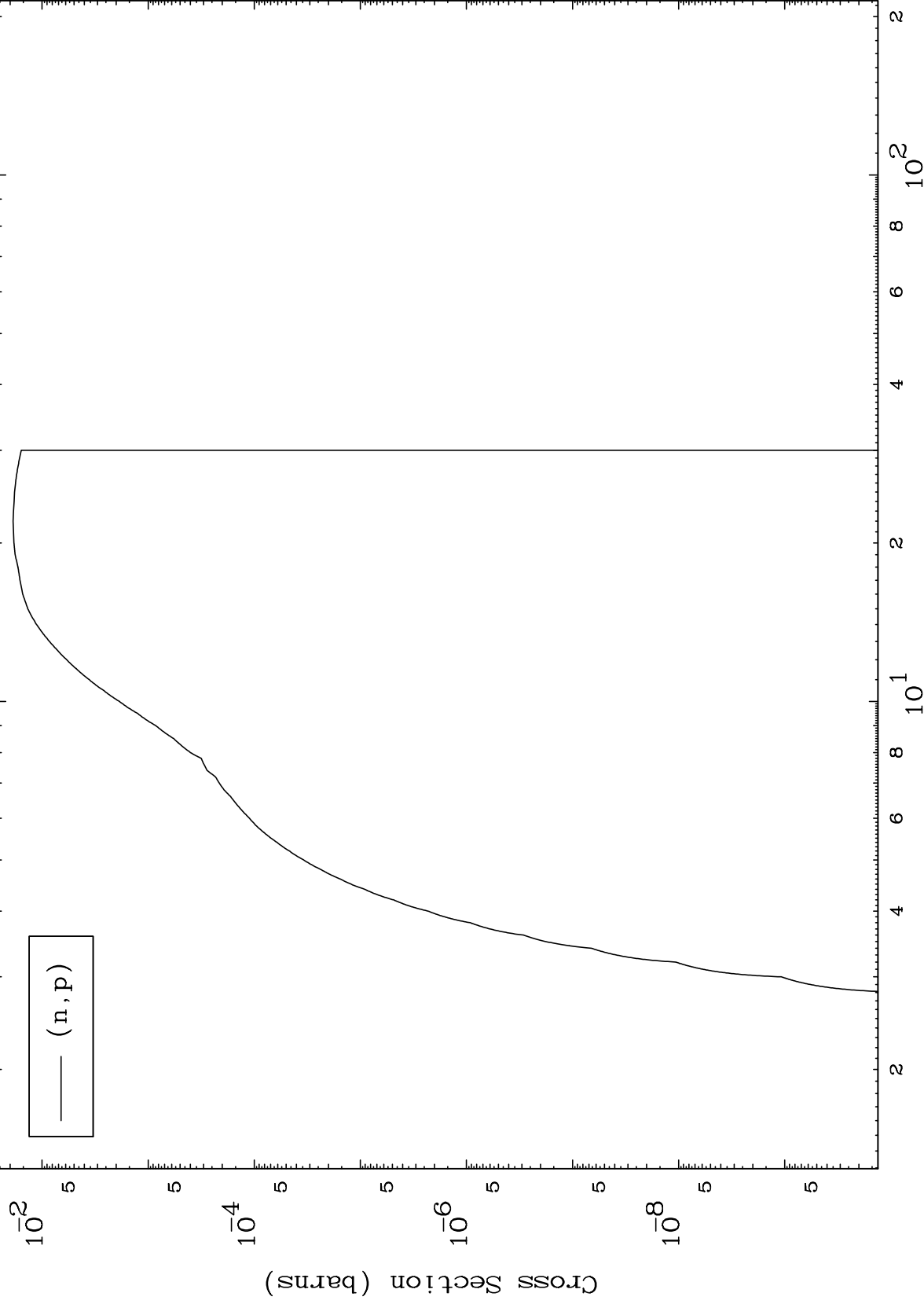
Incident Energy (MeV)

60-Nd-142

MAT 6025

(n,p) Levels
293 Kelvin Cross Sections

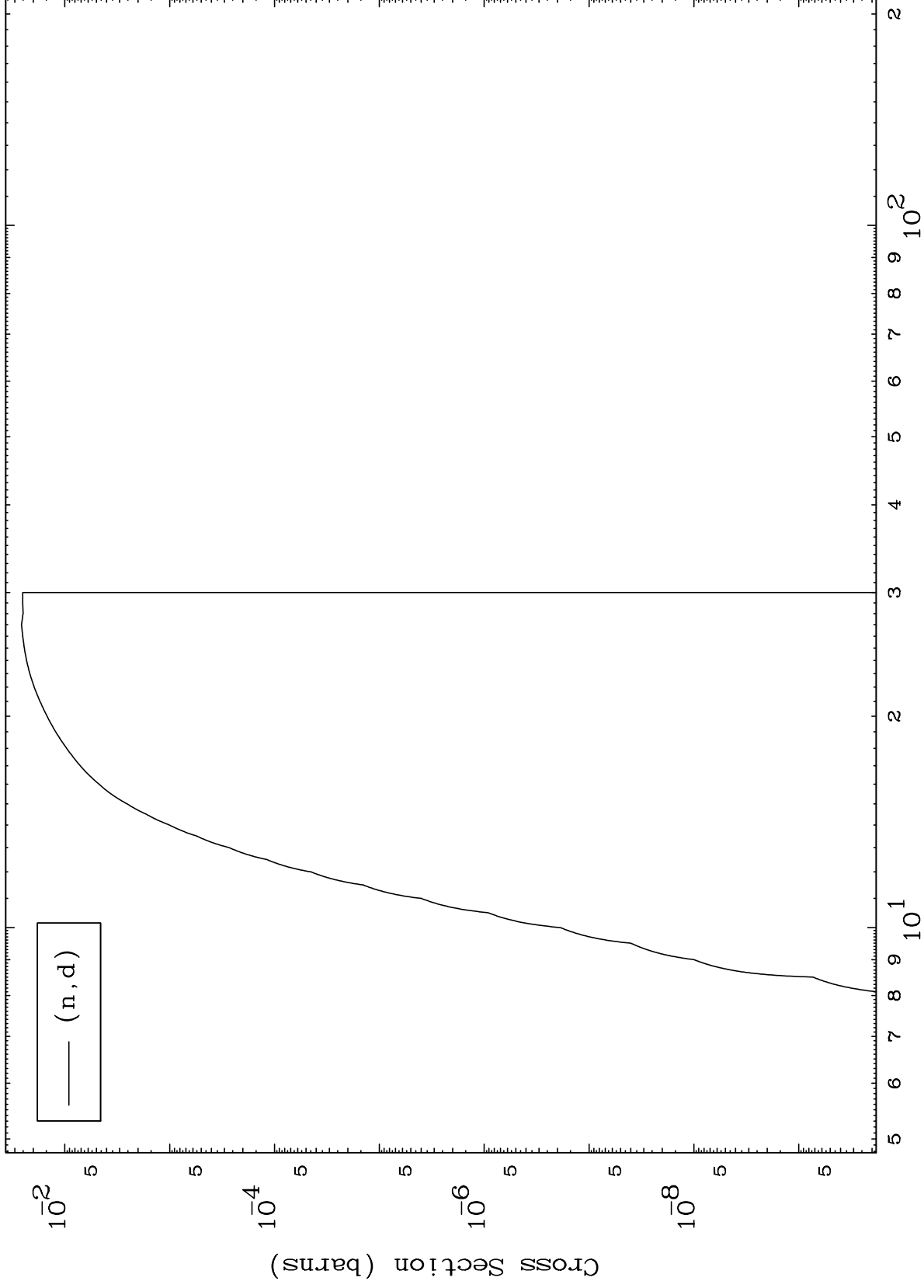
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MAT 6025

(n,d) Levels
293 Kelvin Cross Sections

60-Nd-142



12

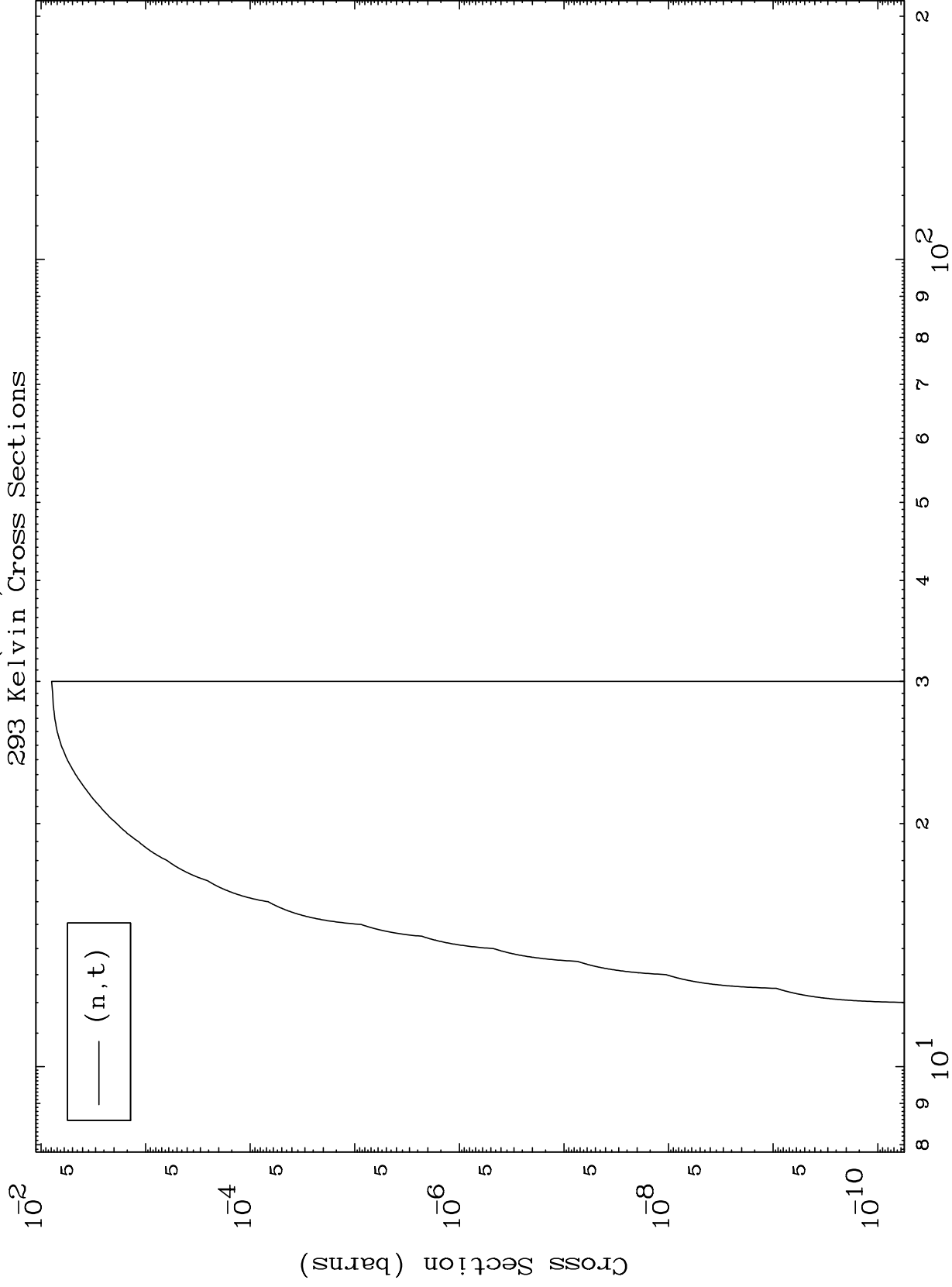
Incident Energy (MeV)

60-Nd-142

MAT 6025

(n,t) Levels
293 Kelvin Cross Sections

60-Nd-142



13

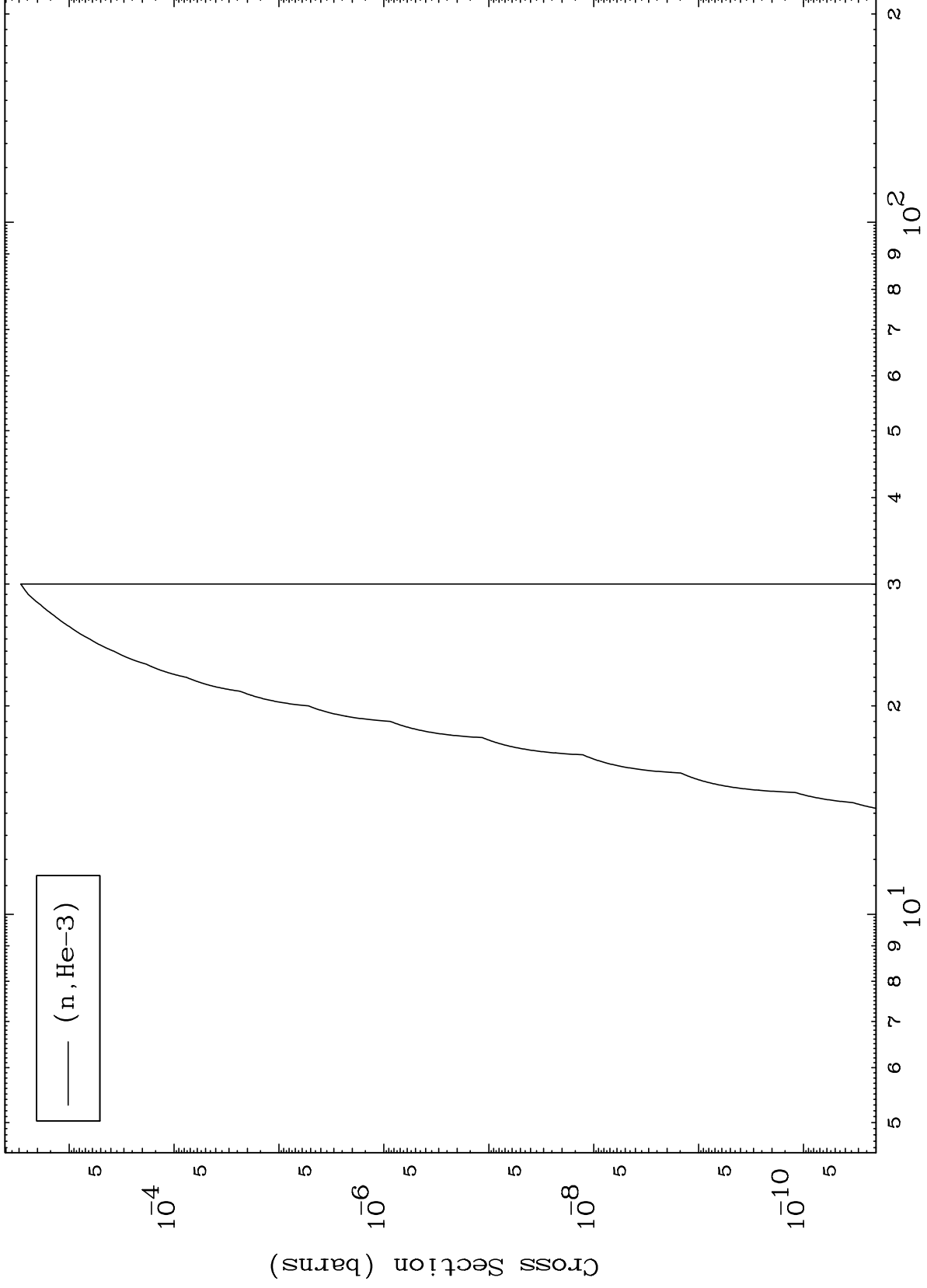
Incident Energy (MeV)

60-Nd-142

MAT 6025

(n,He3) Levels
293 Kelvin Cross Sections

60-Nd-142



14

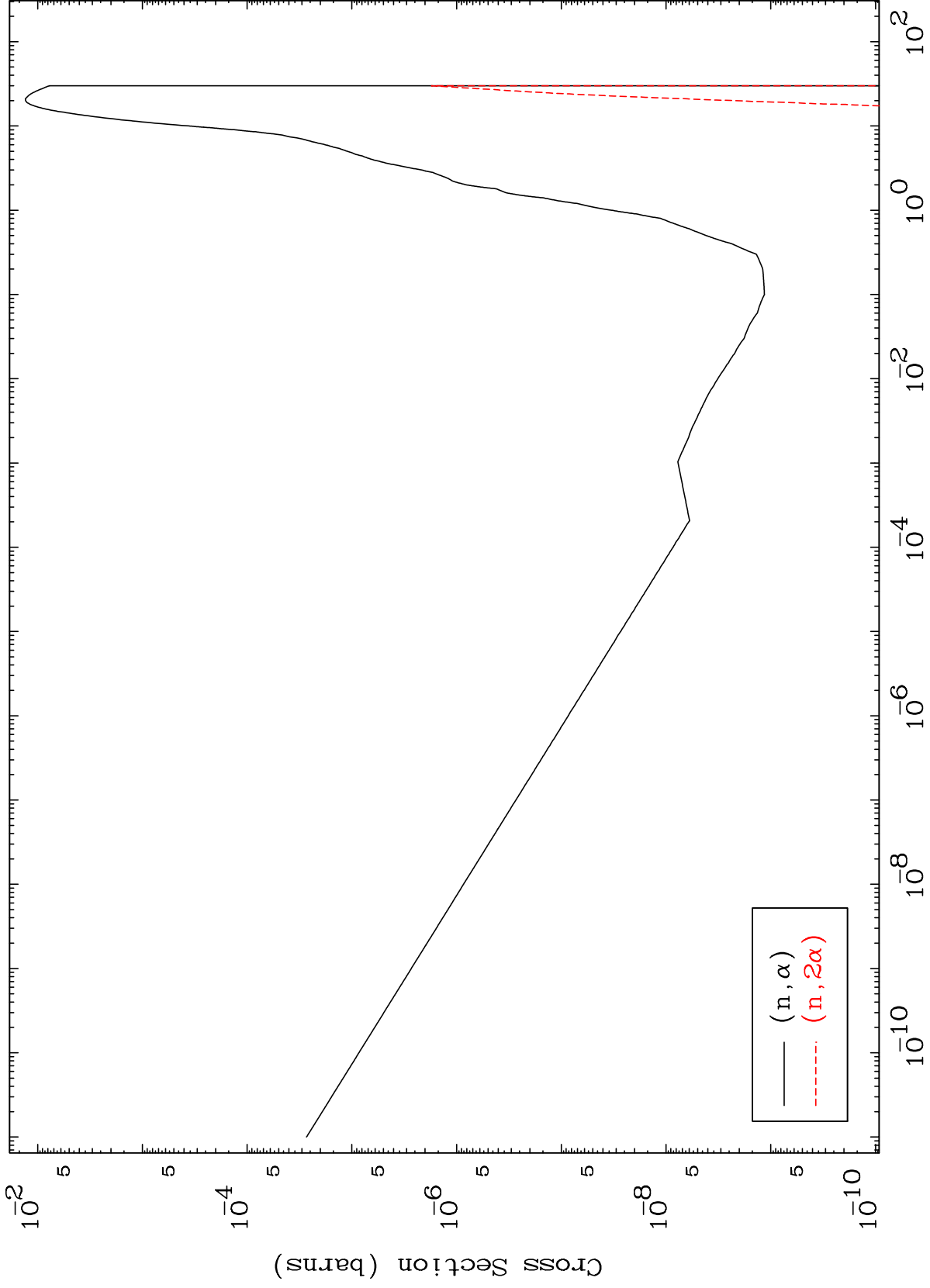
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60-Nd-142

MAT 6025

(n, α) Levels
293 Kelvin Cross Sections

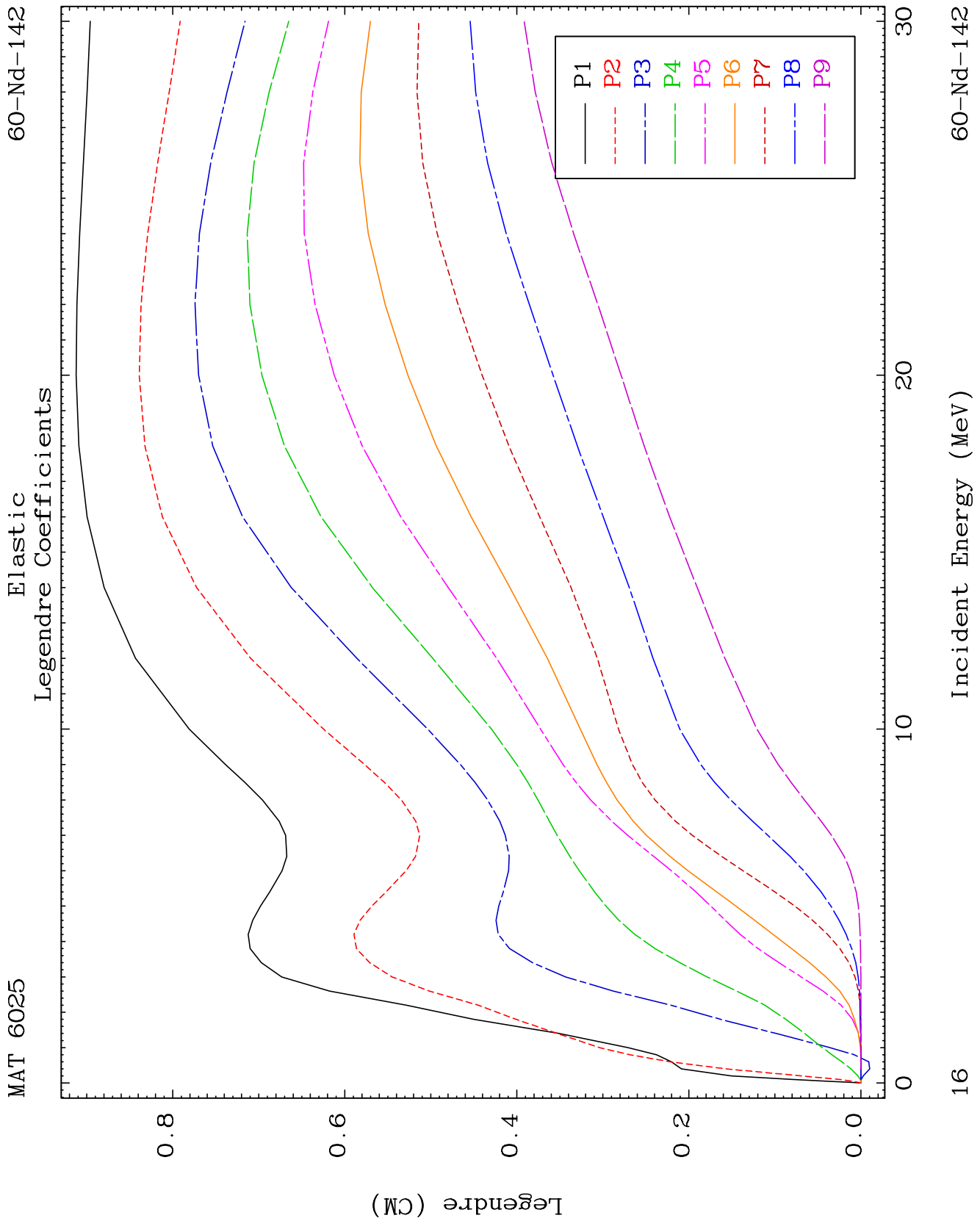
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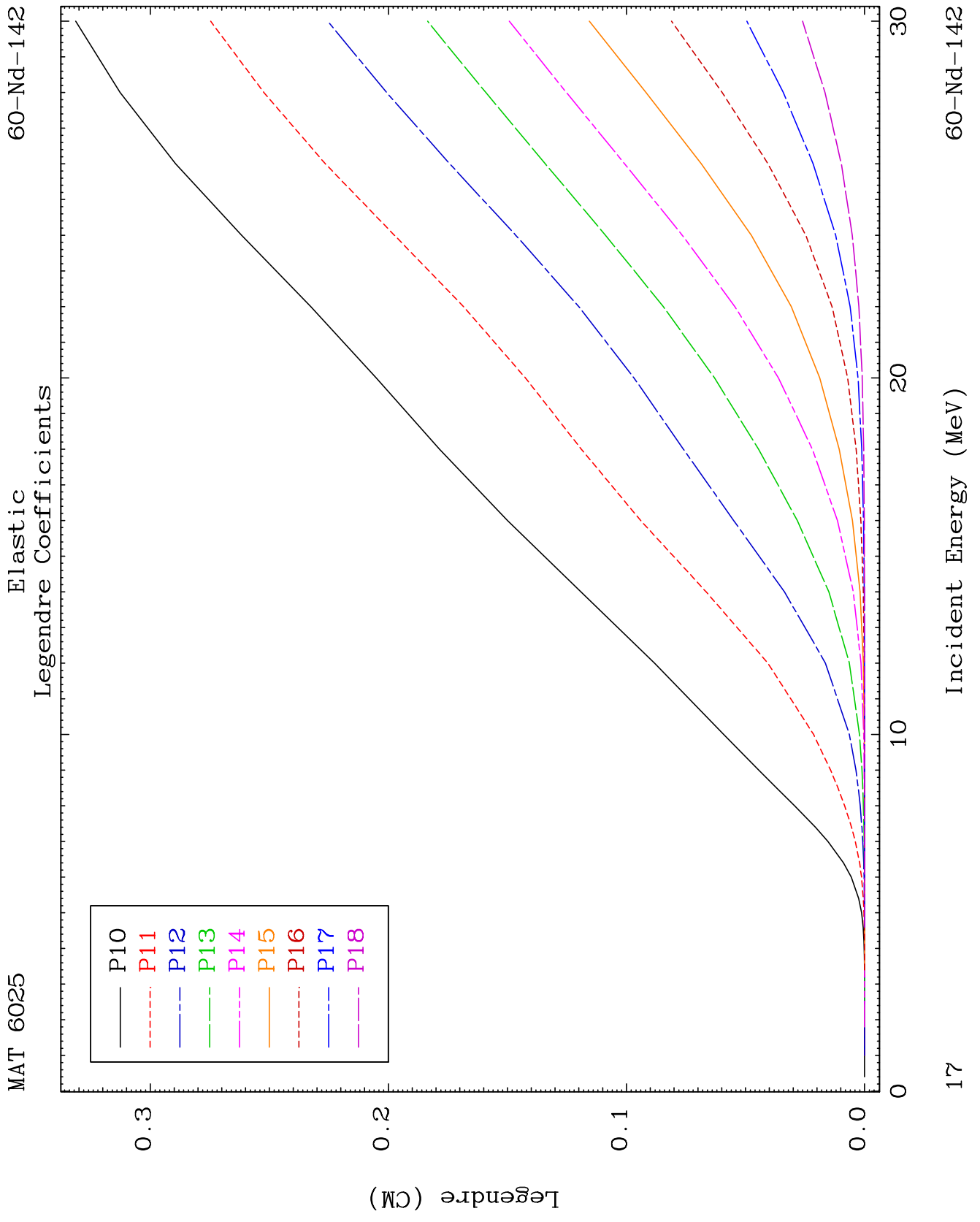


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Incident Energy (MeV)

60-Nd-142

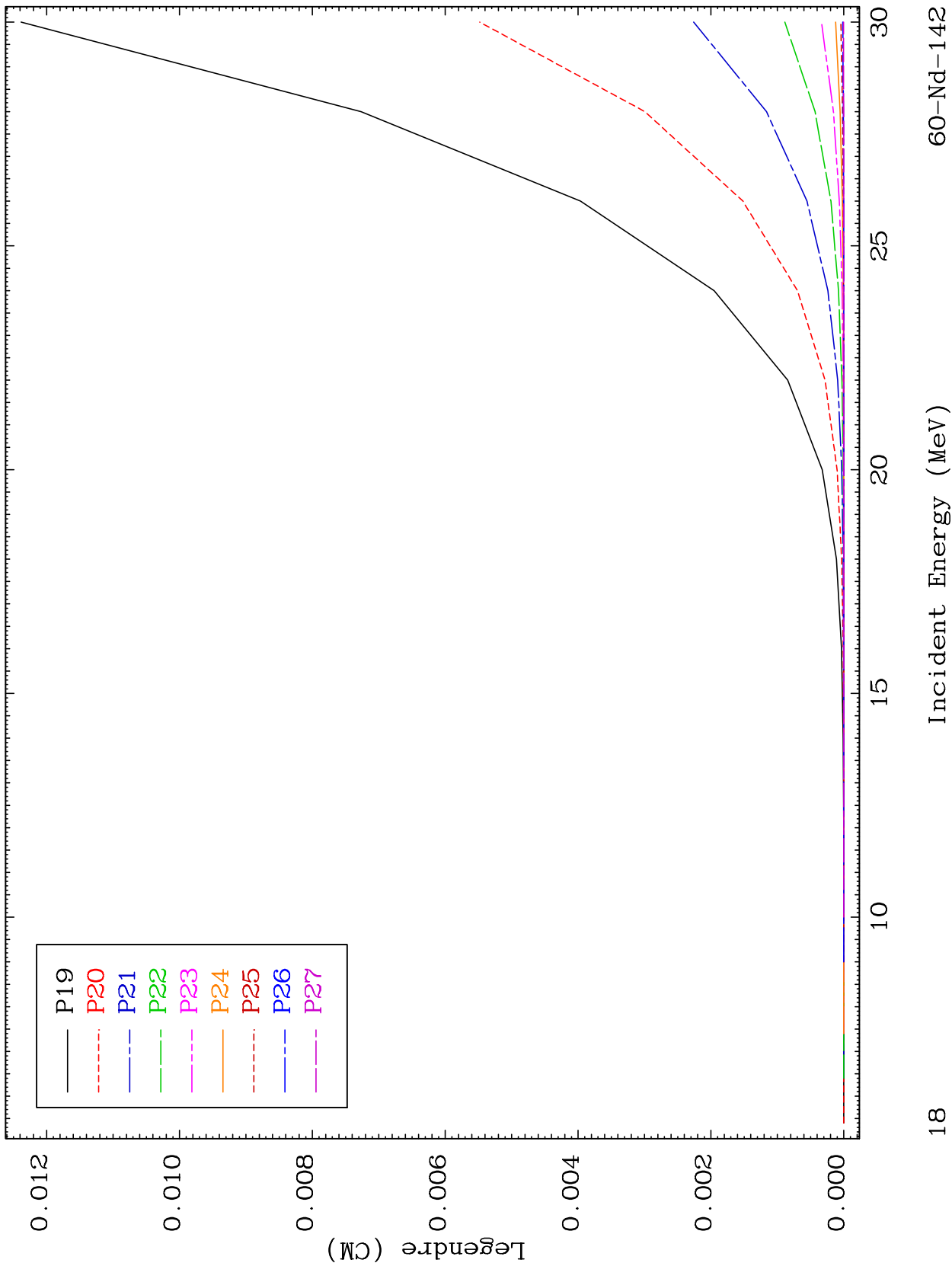




MAT 6025

Elastic Legendre Coefficients

60-Nd-142



18

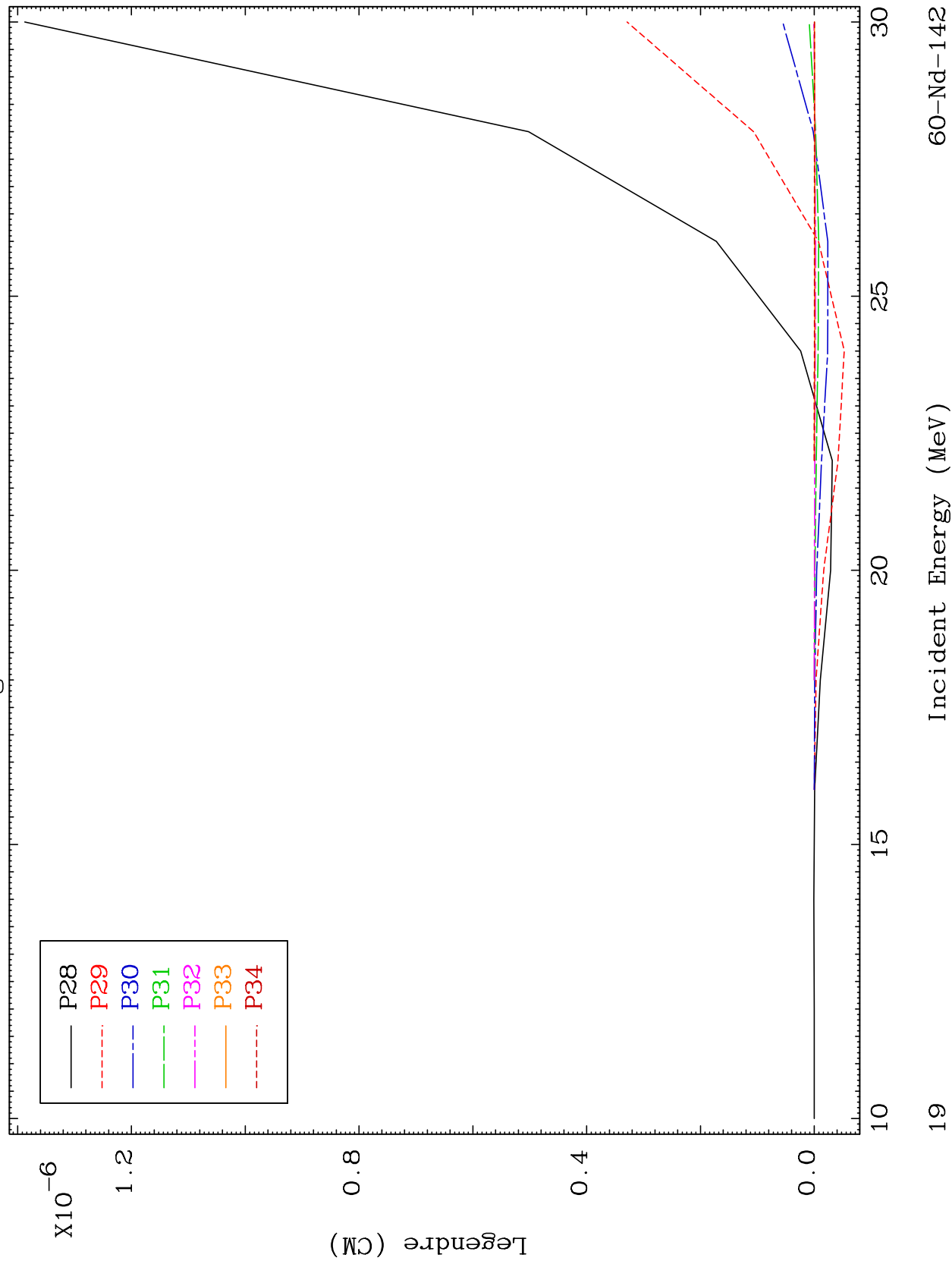
Incident Energy (MeV)

60-Nd-142

MAT 6025

Elastic
Legendre Coefficients

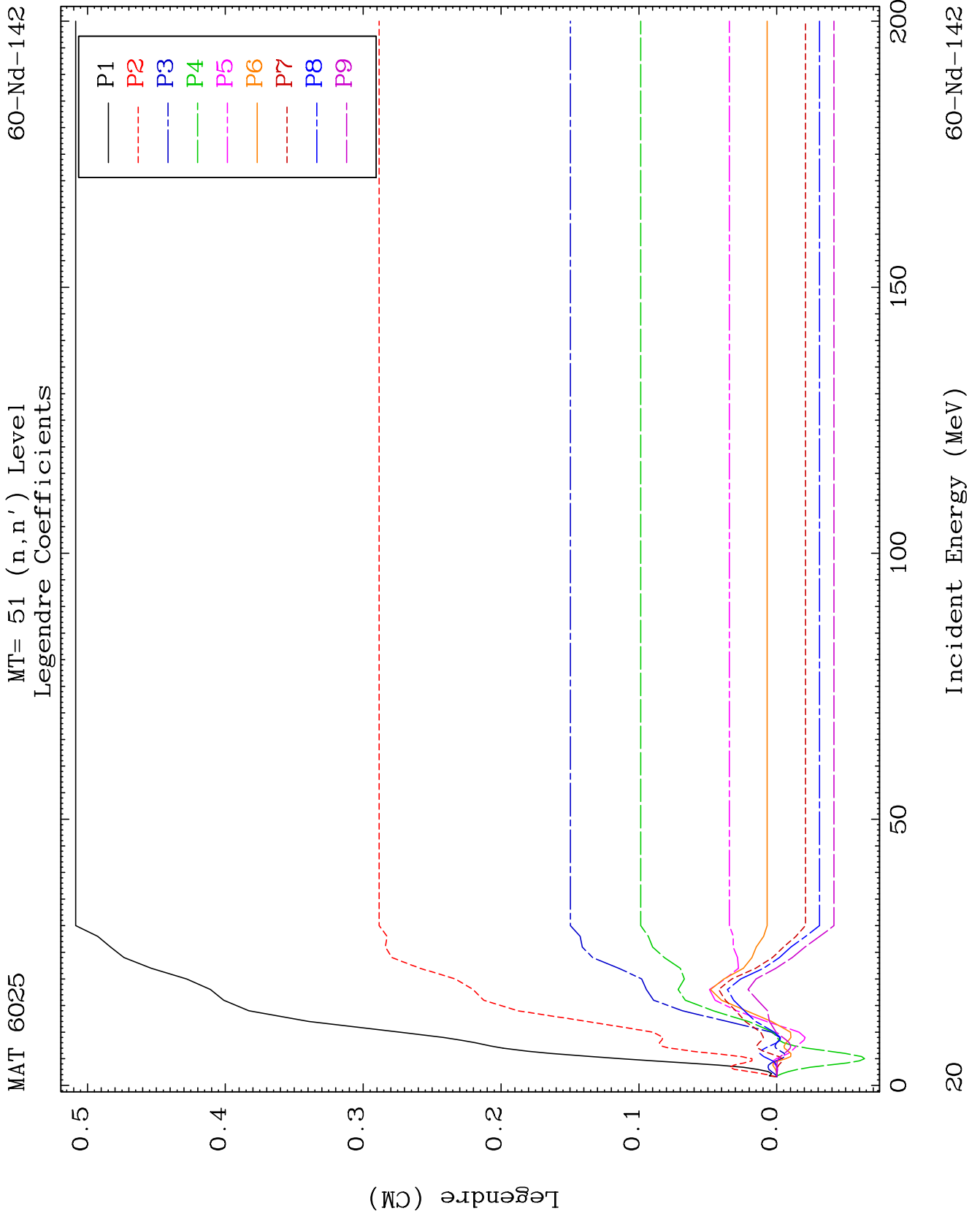
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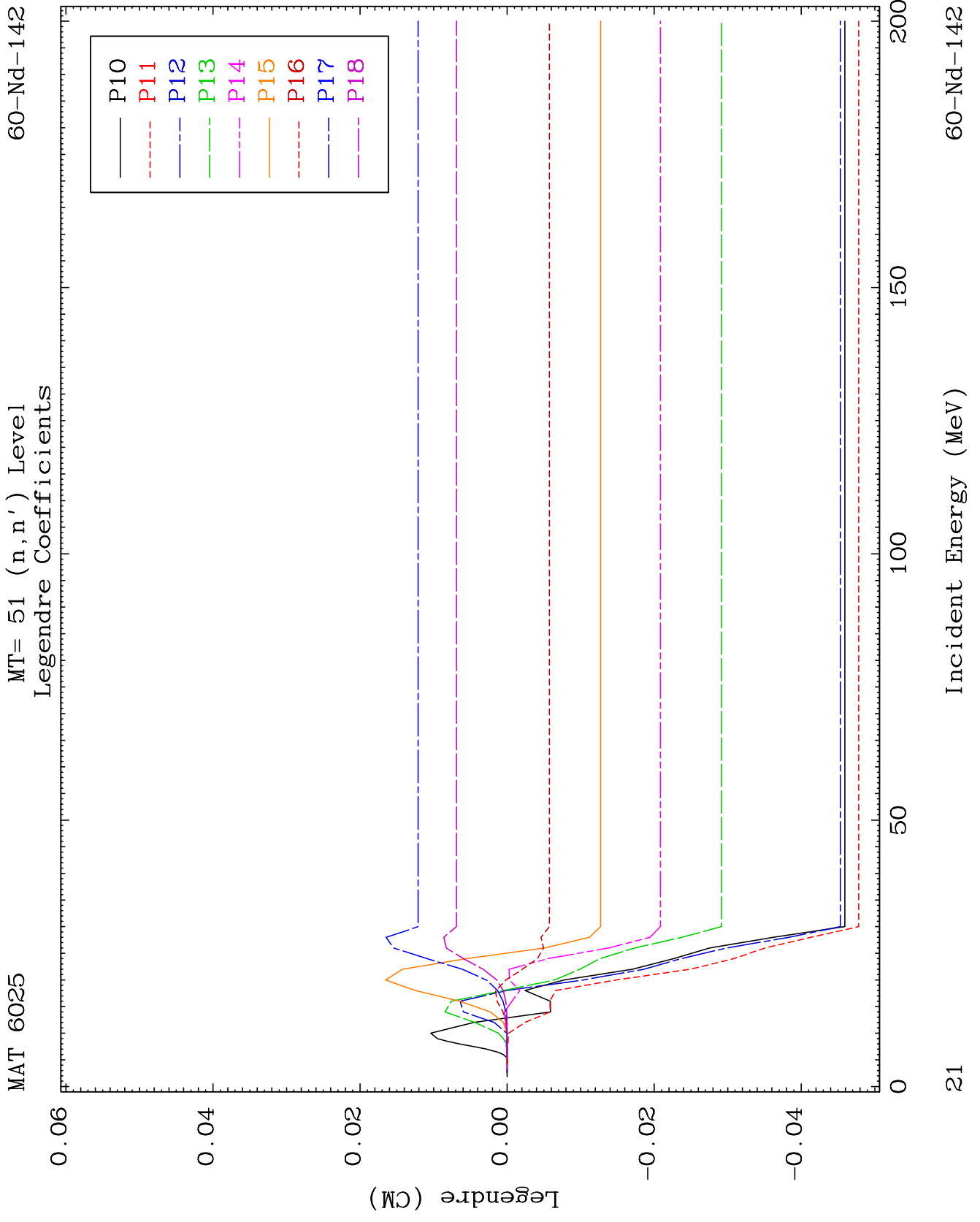


19

Incident Energy (MeV)

60-Nd-142

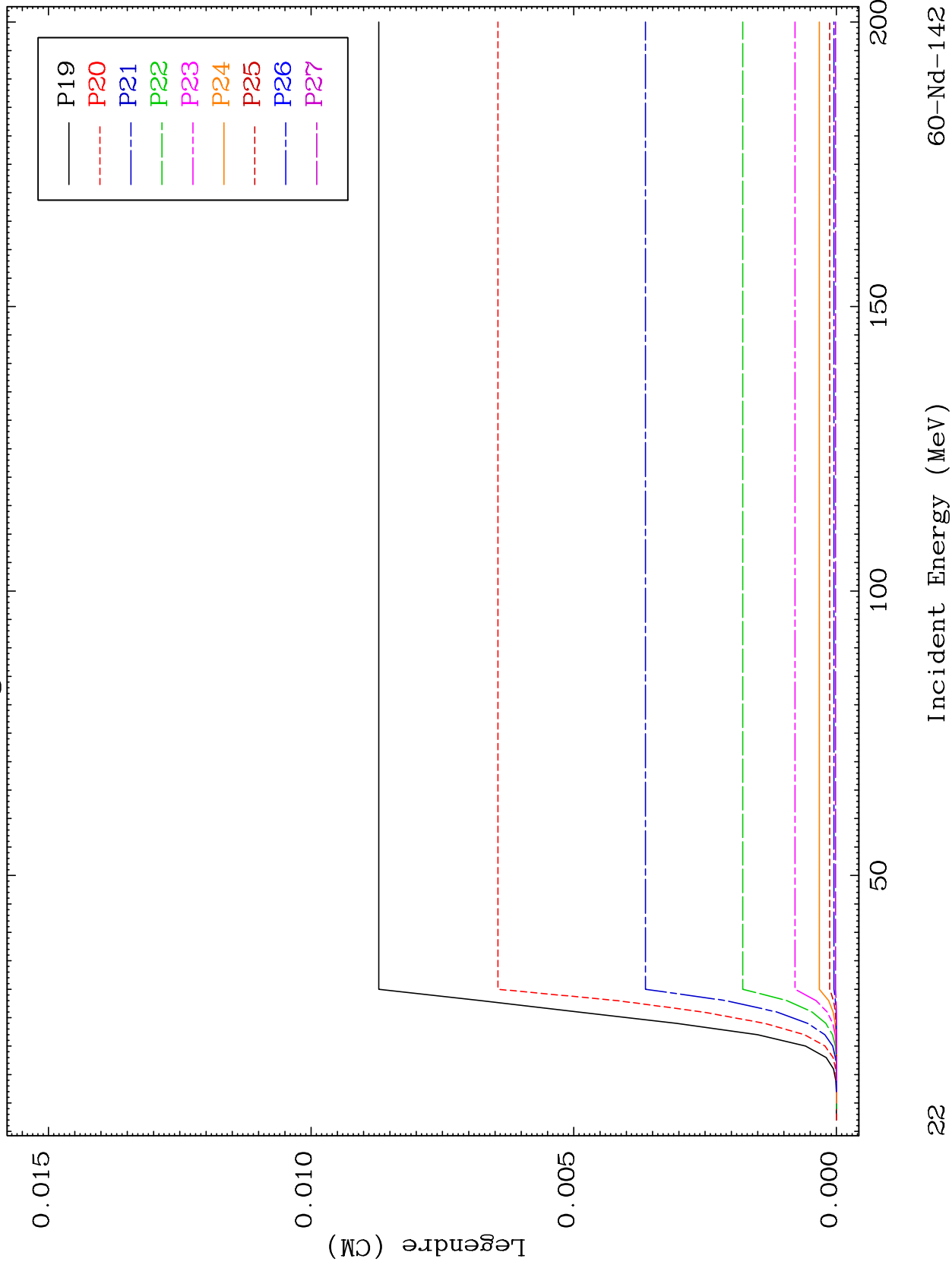




MAT 6025

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

60-Nd-142



22

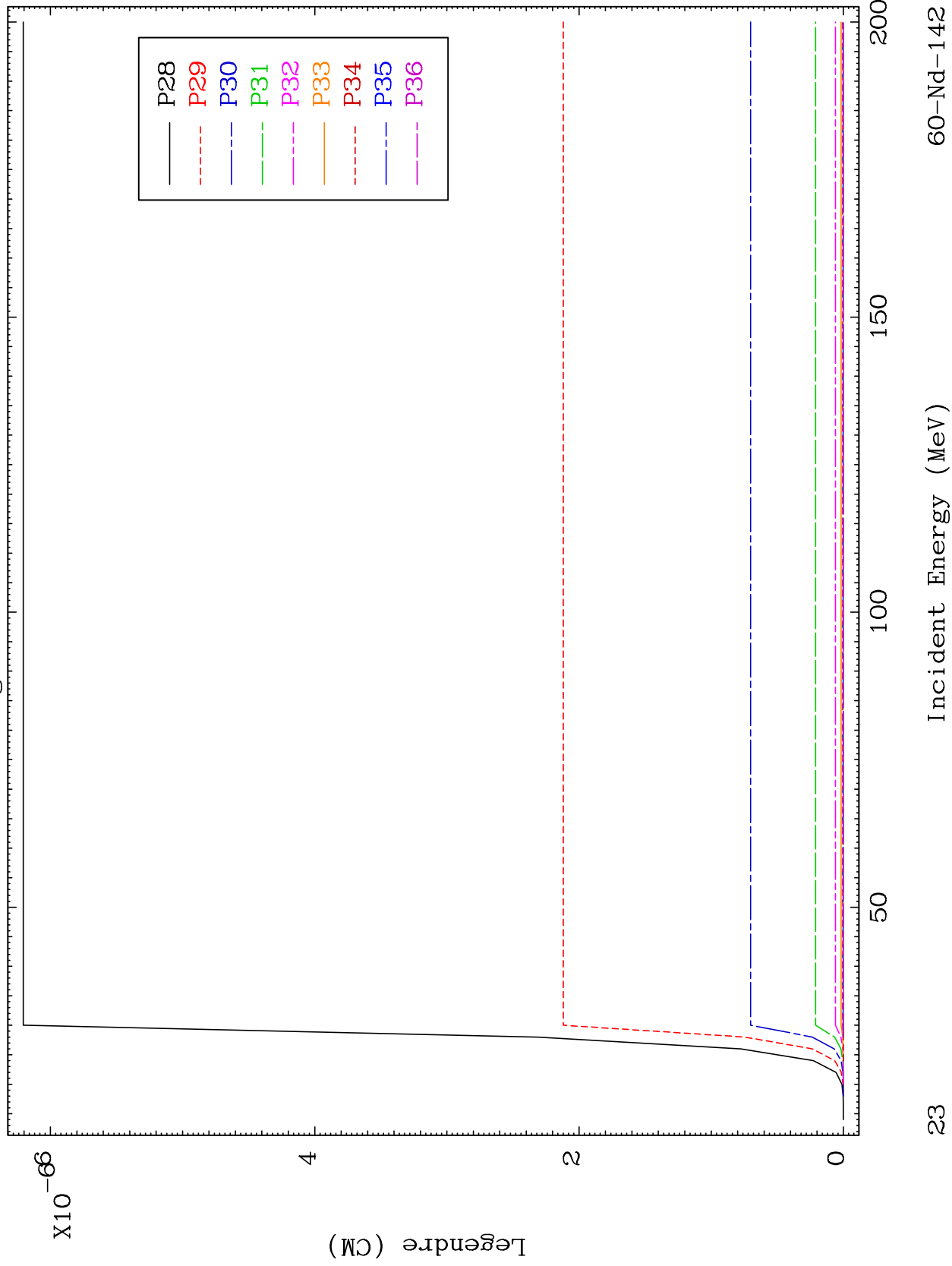
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

60-Nd-142

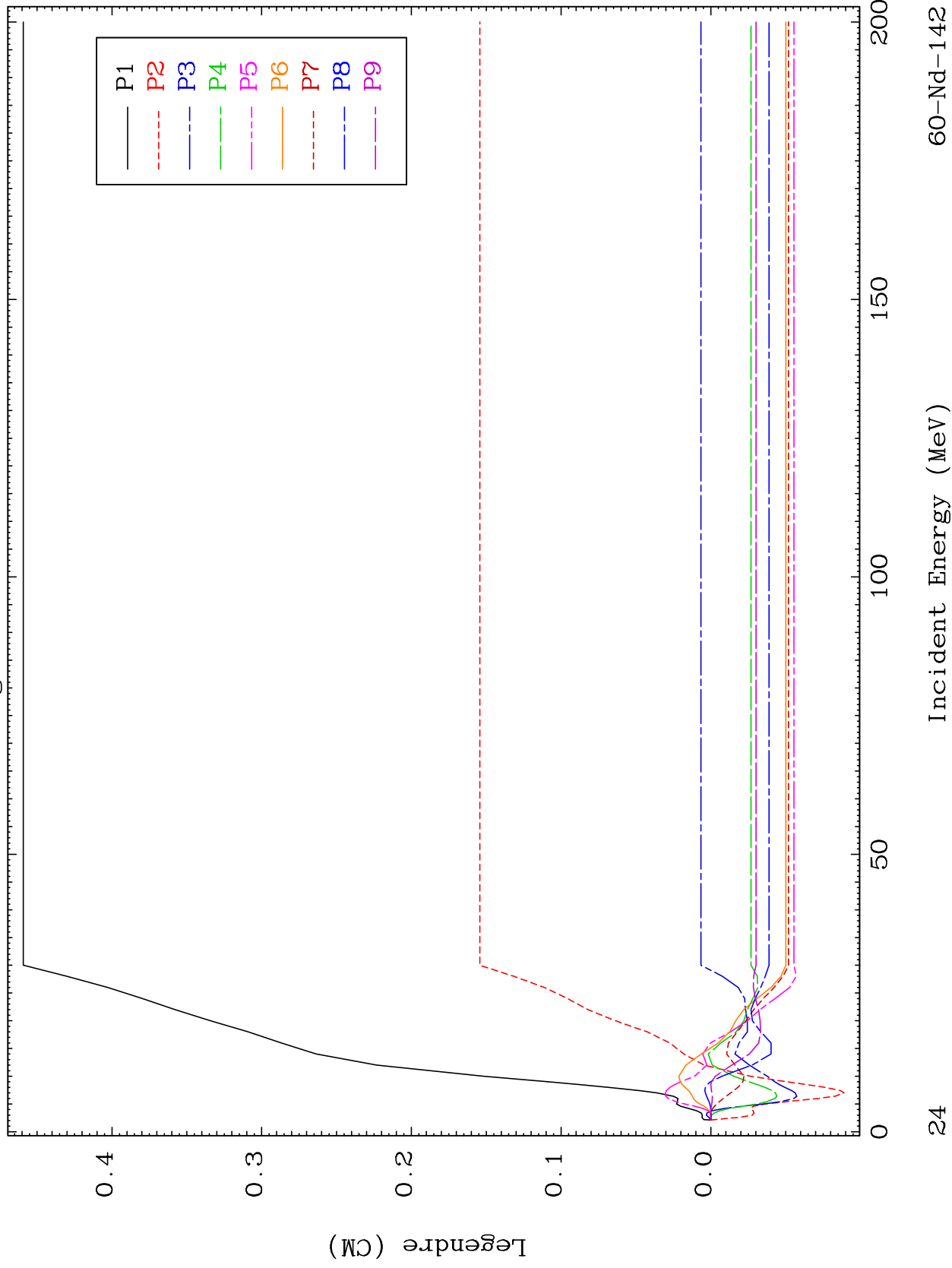


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MAT 6025

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

60-Nd-142



60-Nd-142

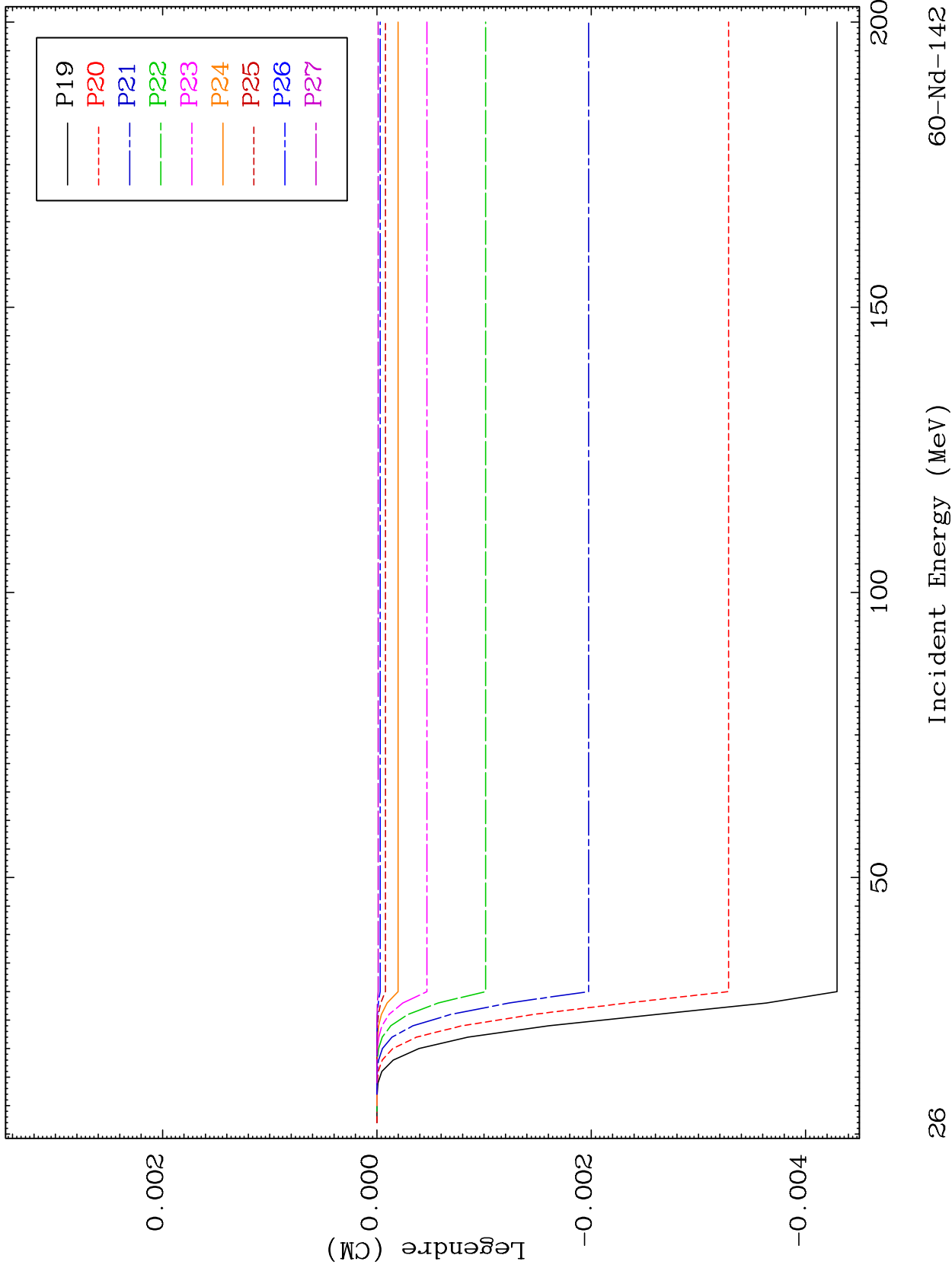
Incident Energy (MeV)

24

MAT 6025

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

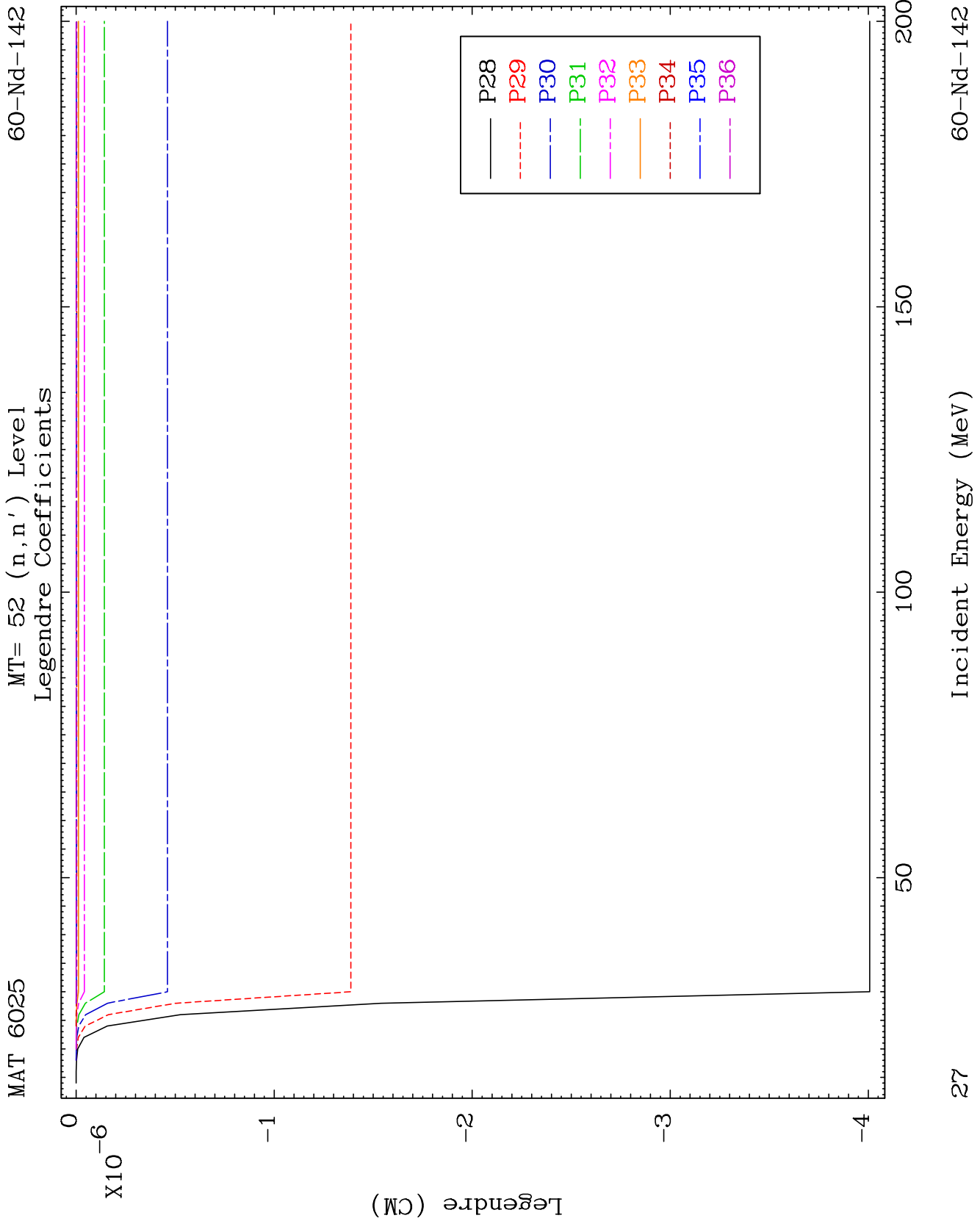
60-Nd-142



26

Incident Energy (MeV)

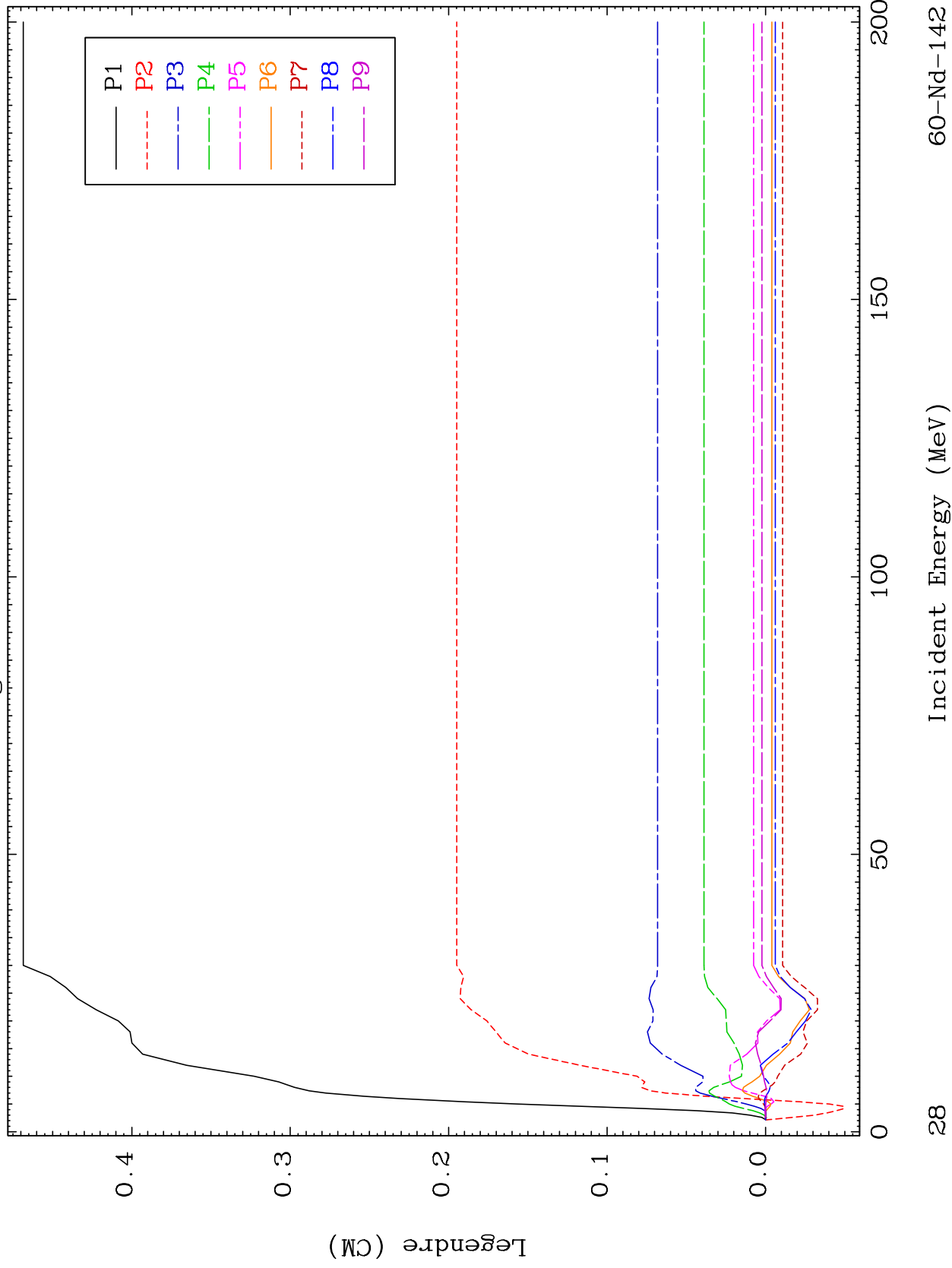
60-Nd-142



MAT 6025

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

60-Nd-142



60-Nd-142

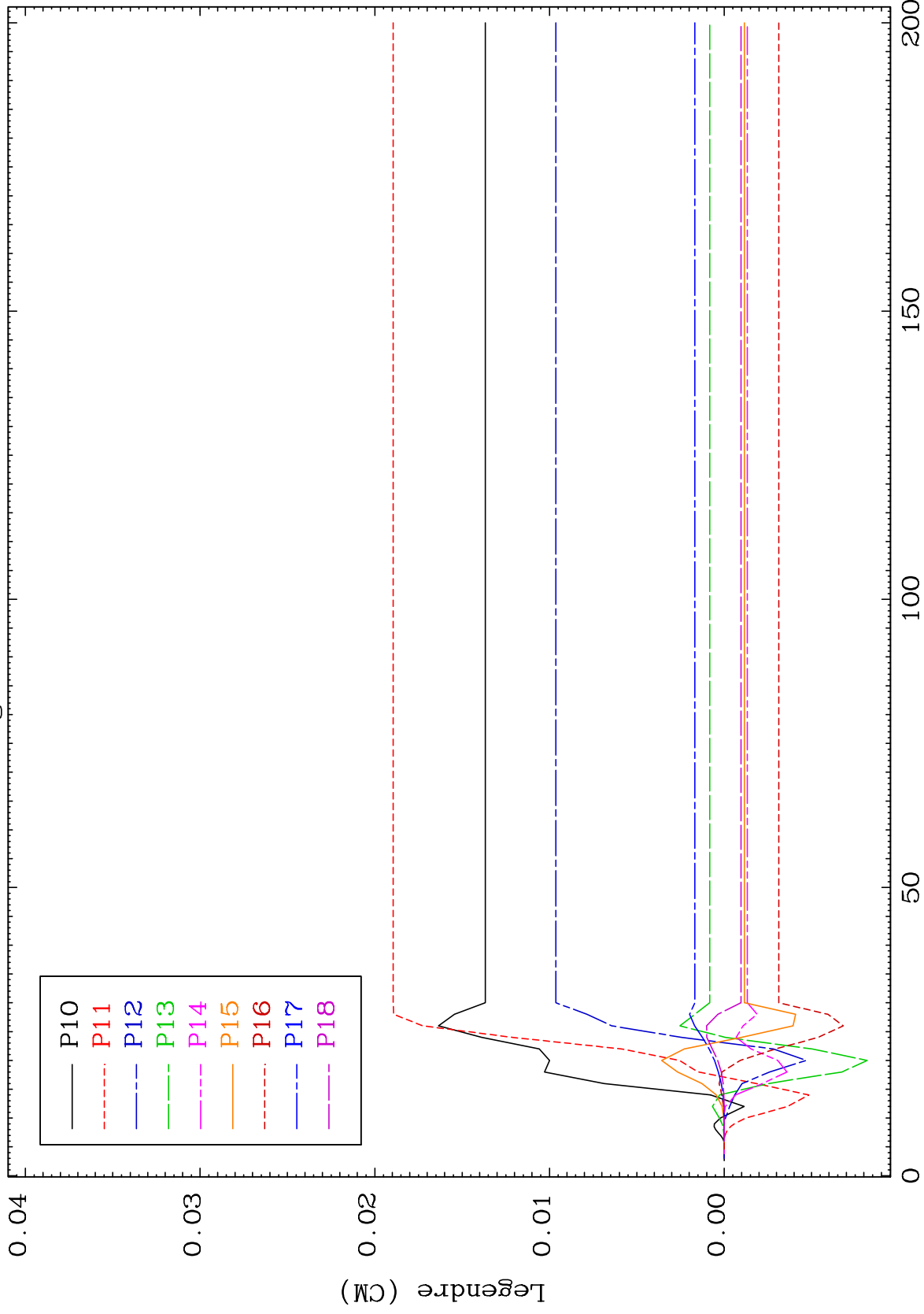
Incident Energy (MeV)

28

MAT 6025

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

60-Nd-142



29

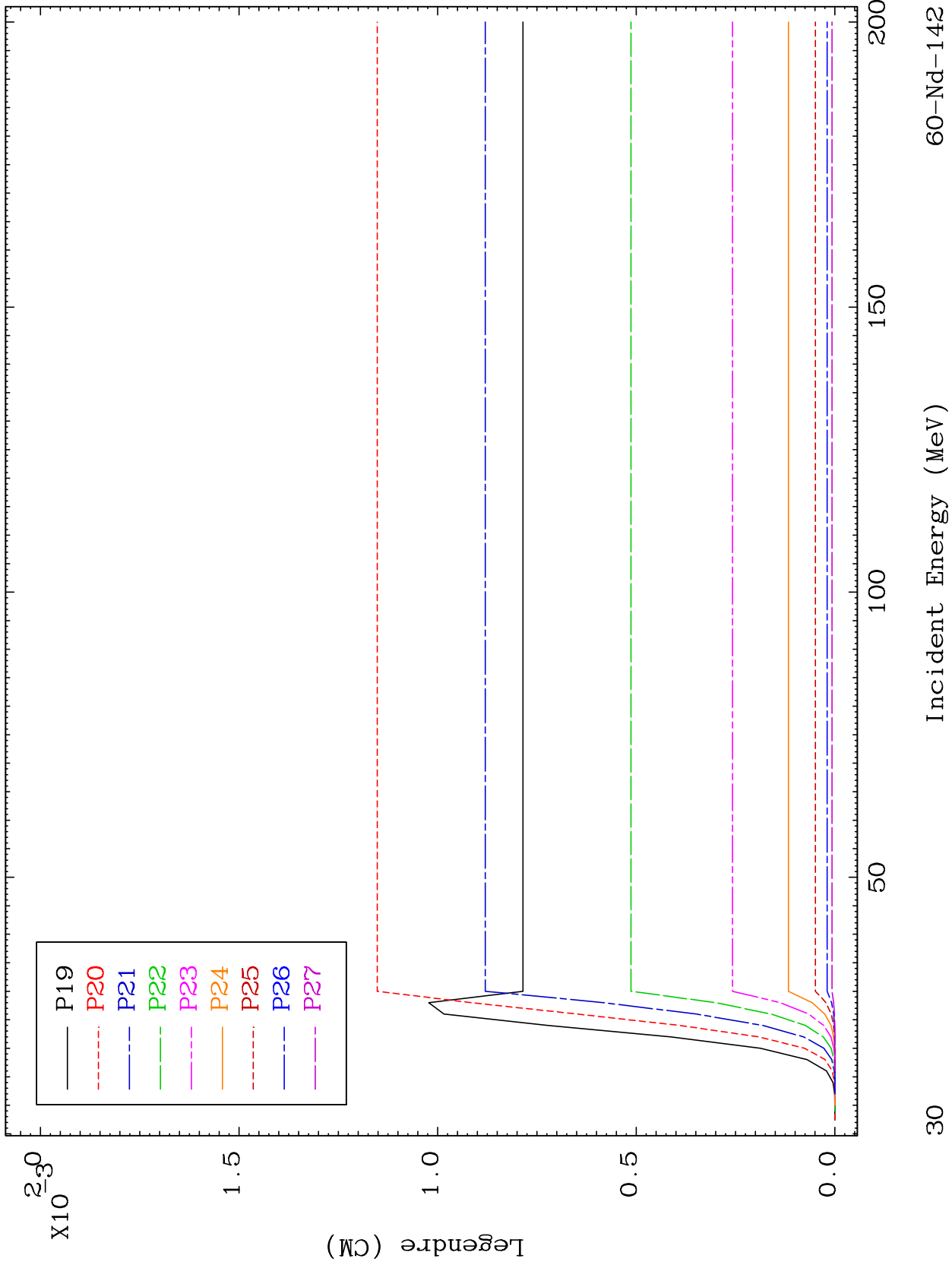
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

60-Nd-142



30

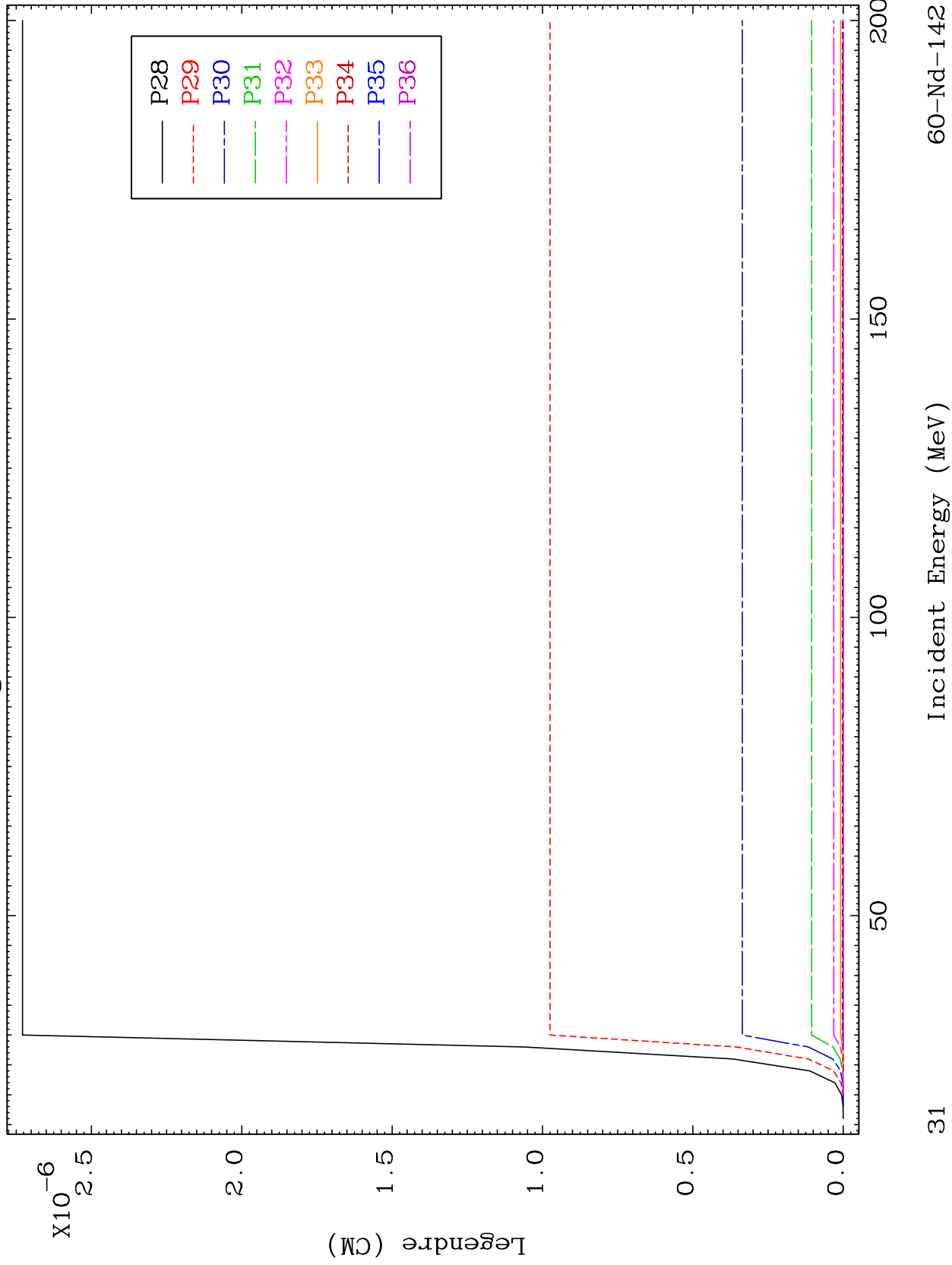
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

60-Nd-142

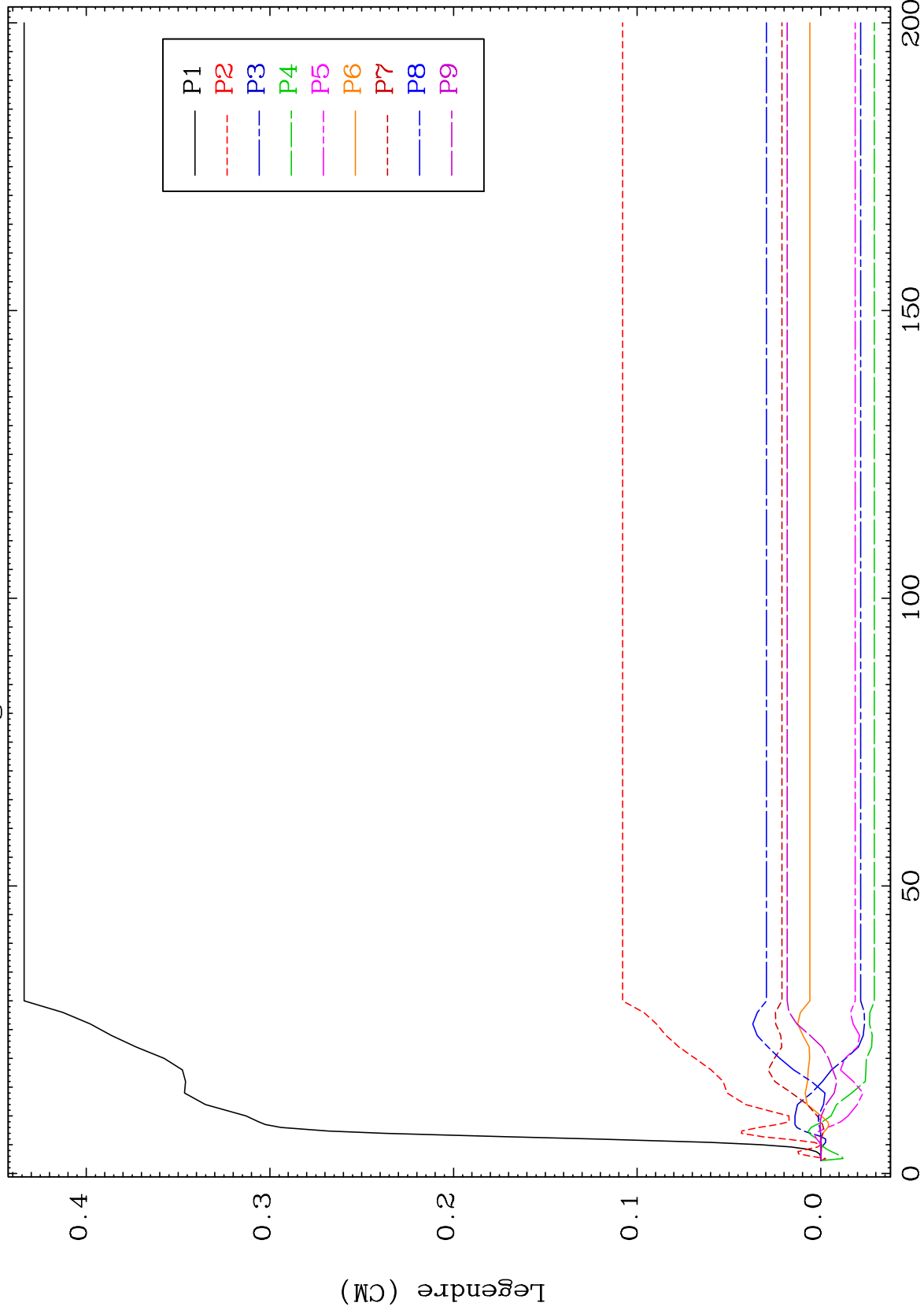


31

MAT 6025

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

60-Nd-142



32

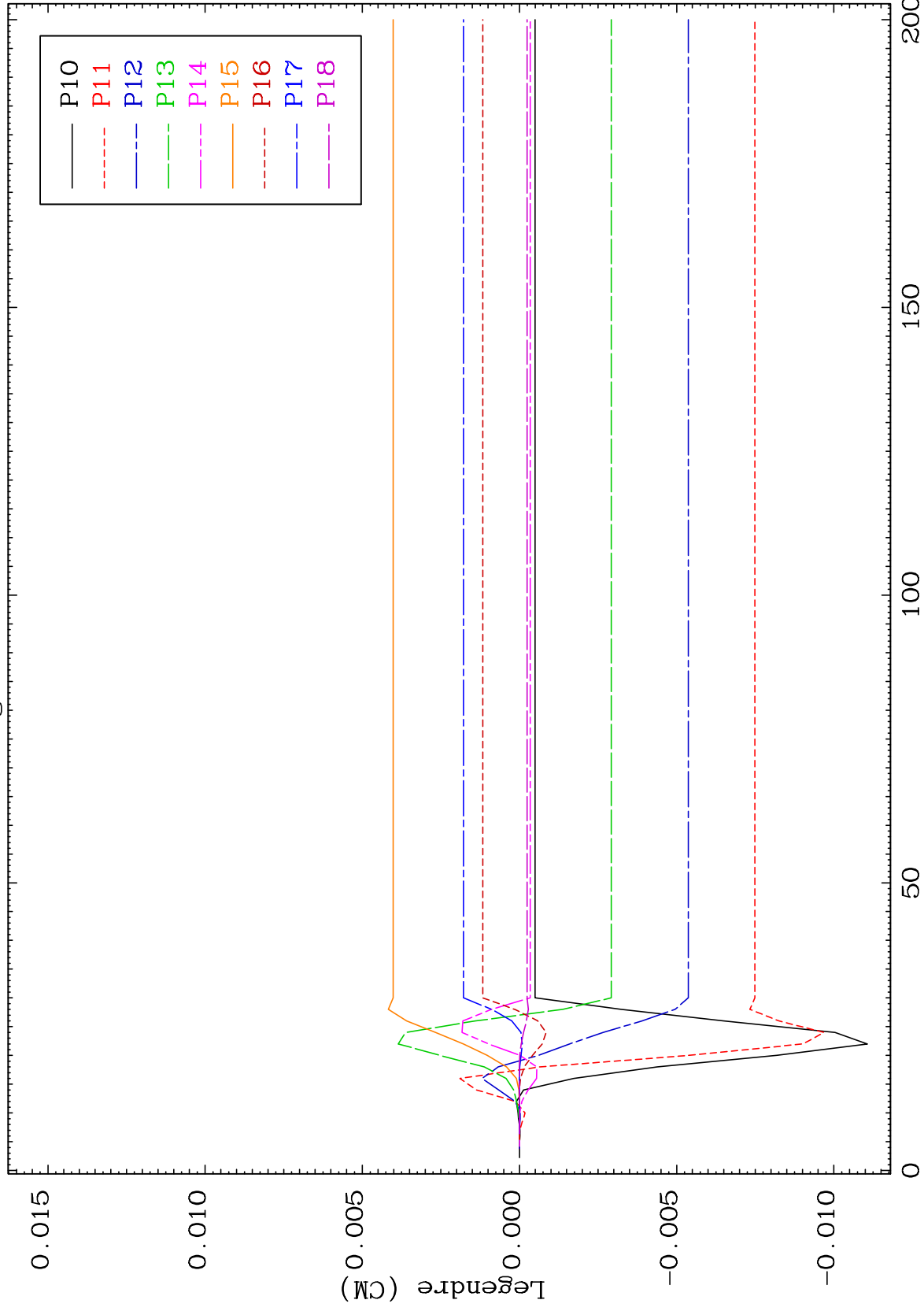
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

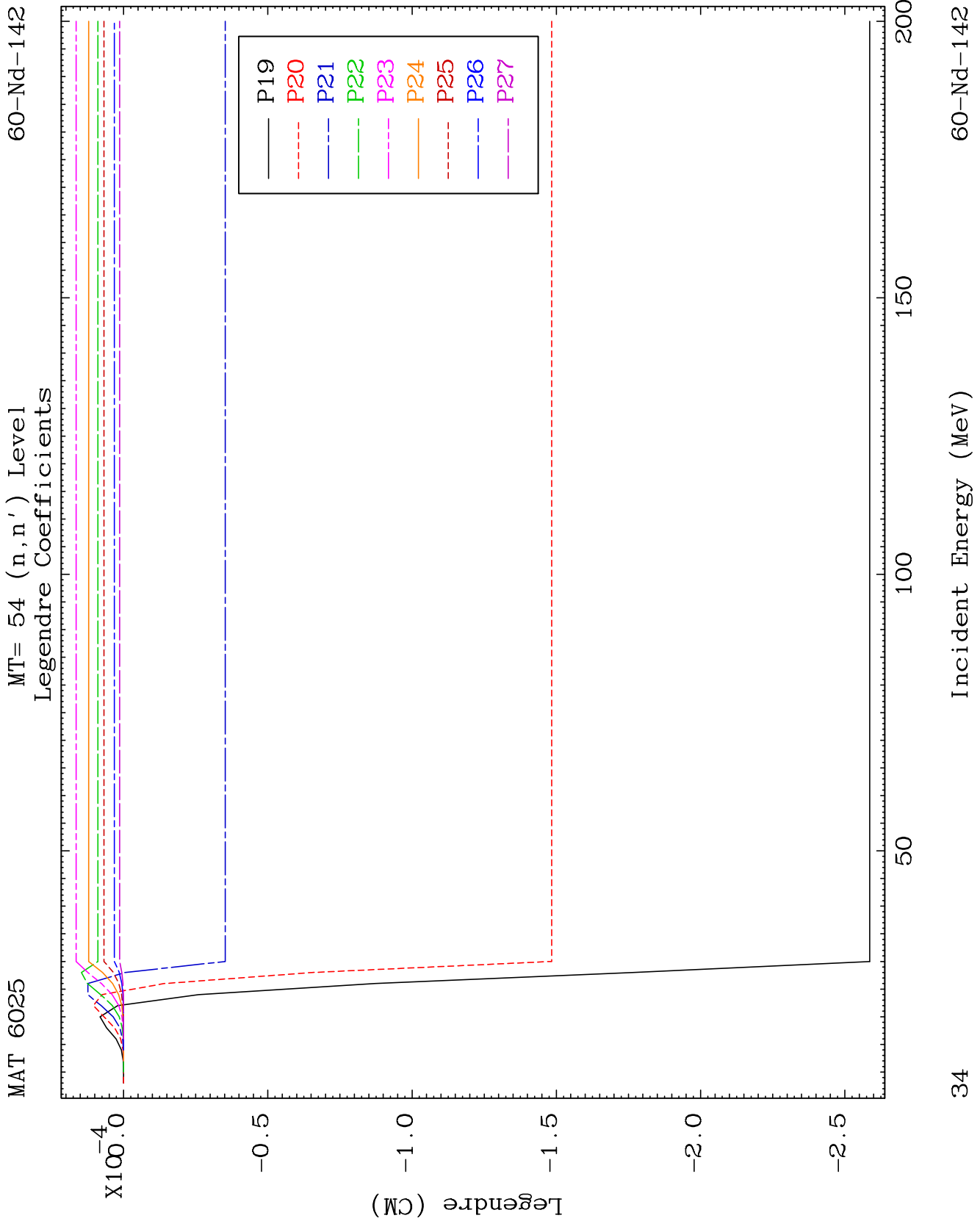
60-Nd-142



33

Incident Energy (MeV)

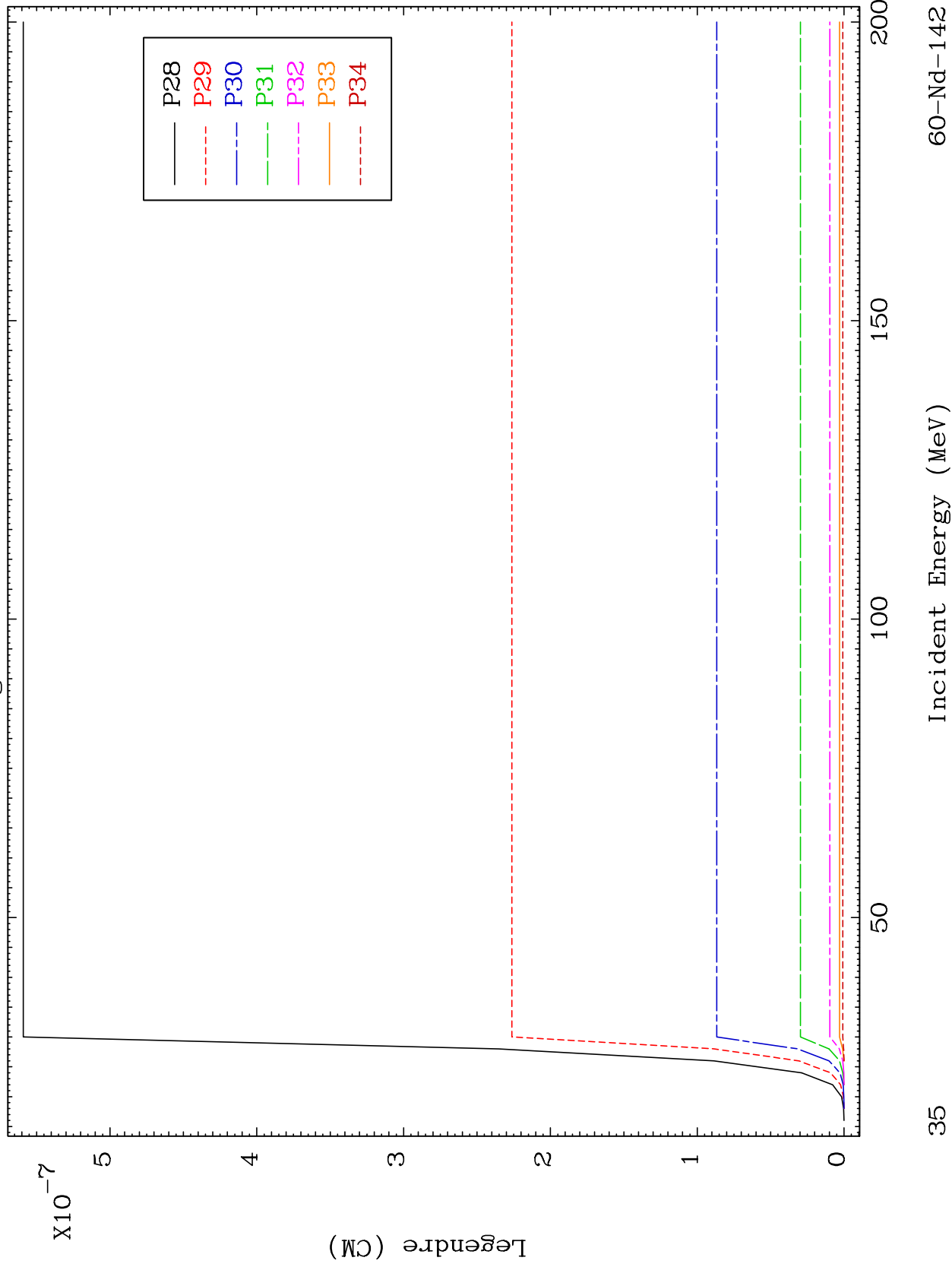
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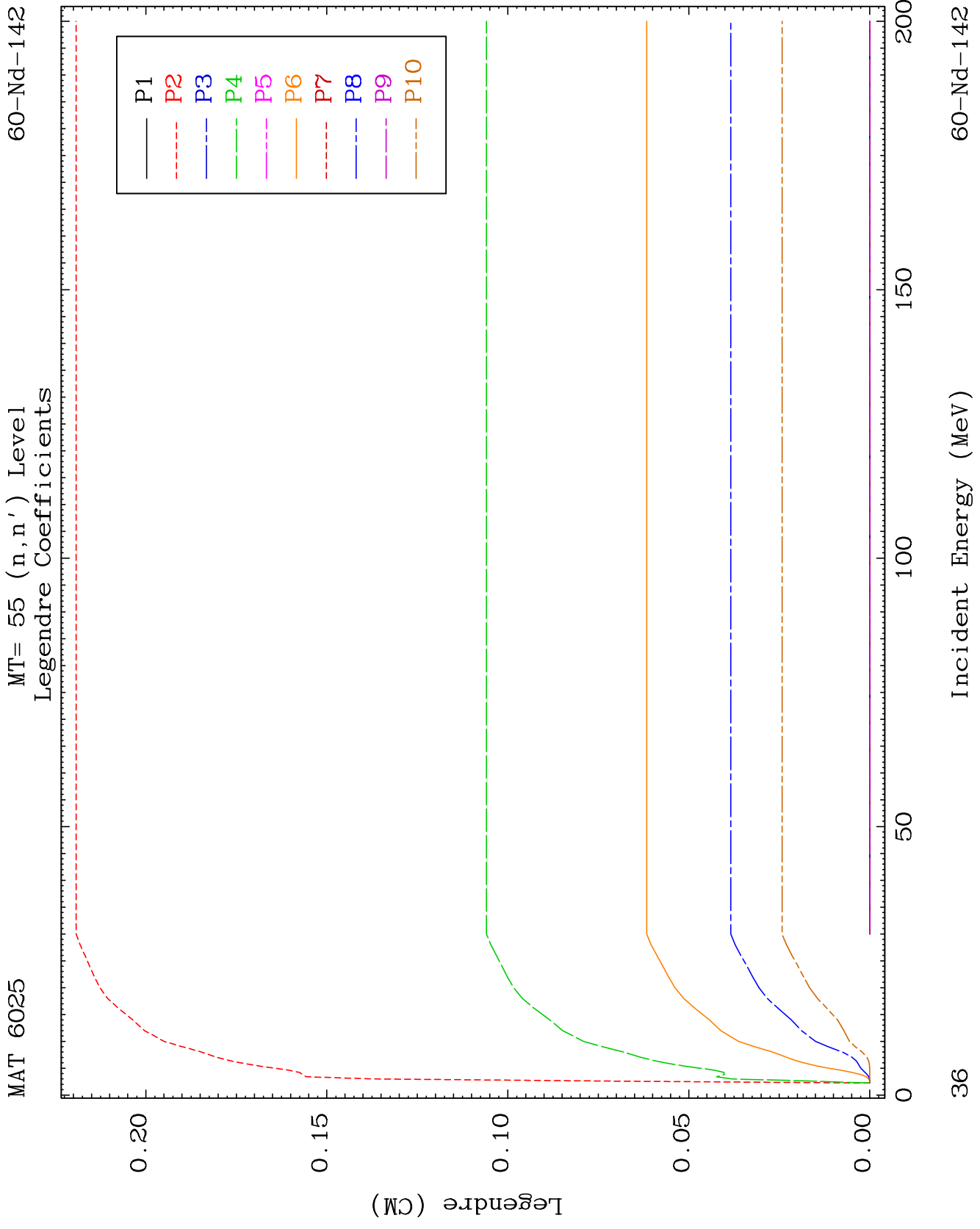


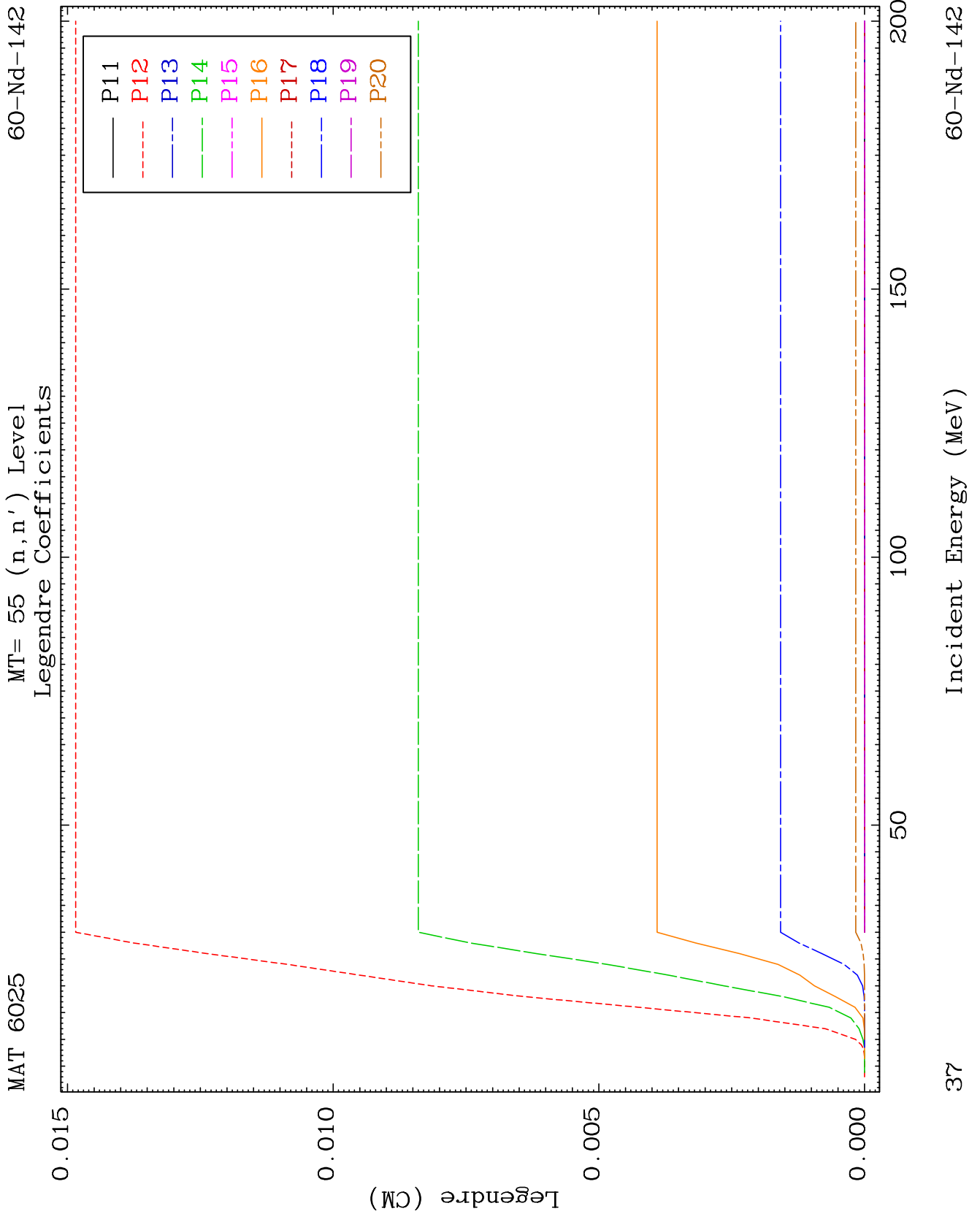
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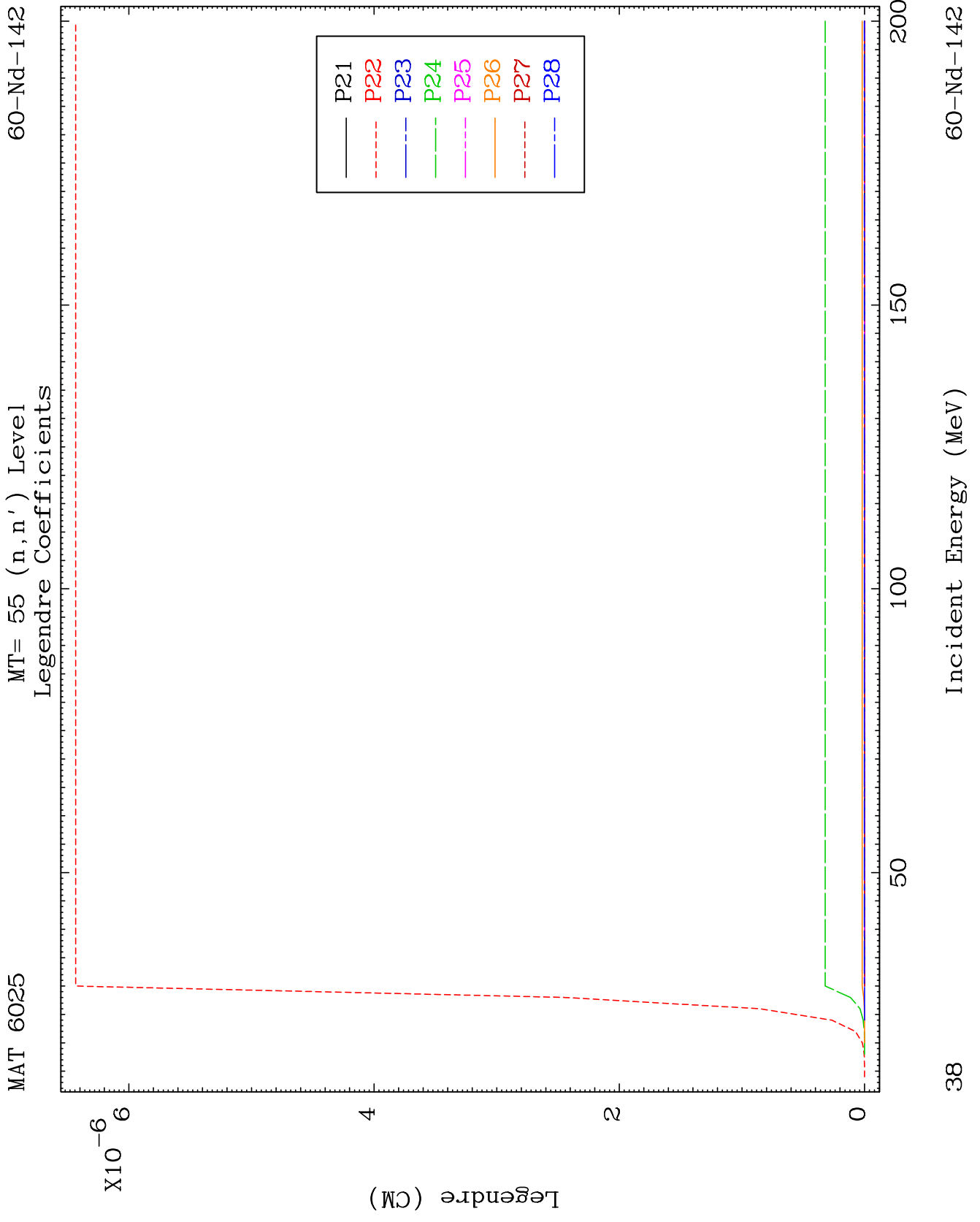
MT= 54 (n,n') Level
Legendre Coefficients

60-Nd-142





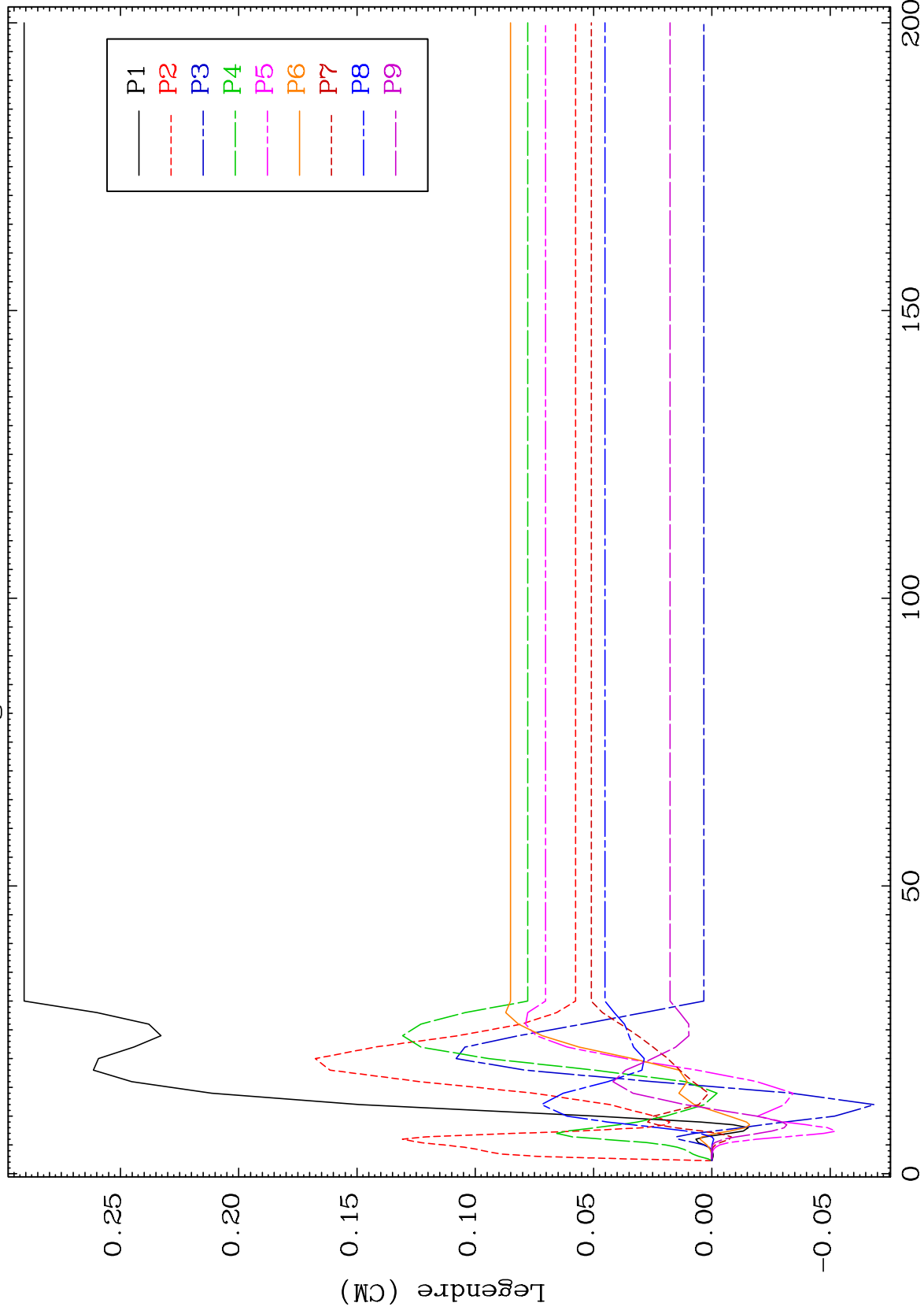




MAT 6025

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

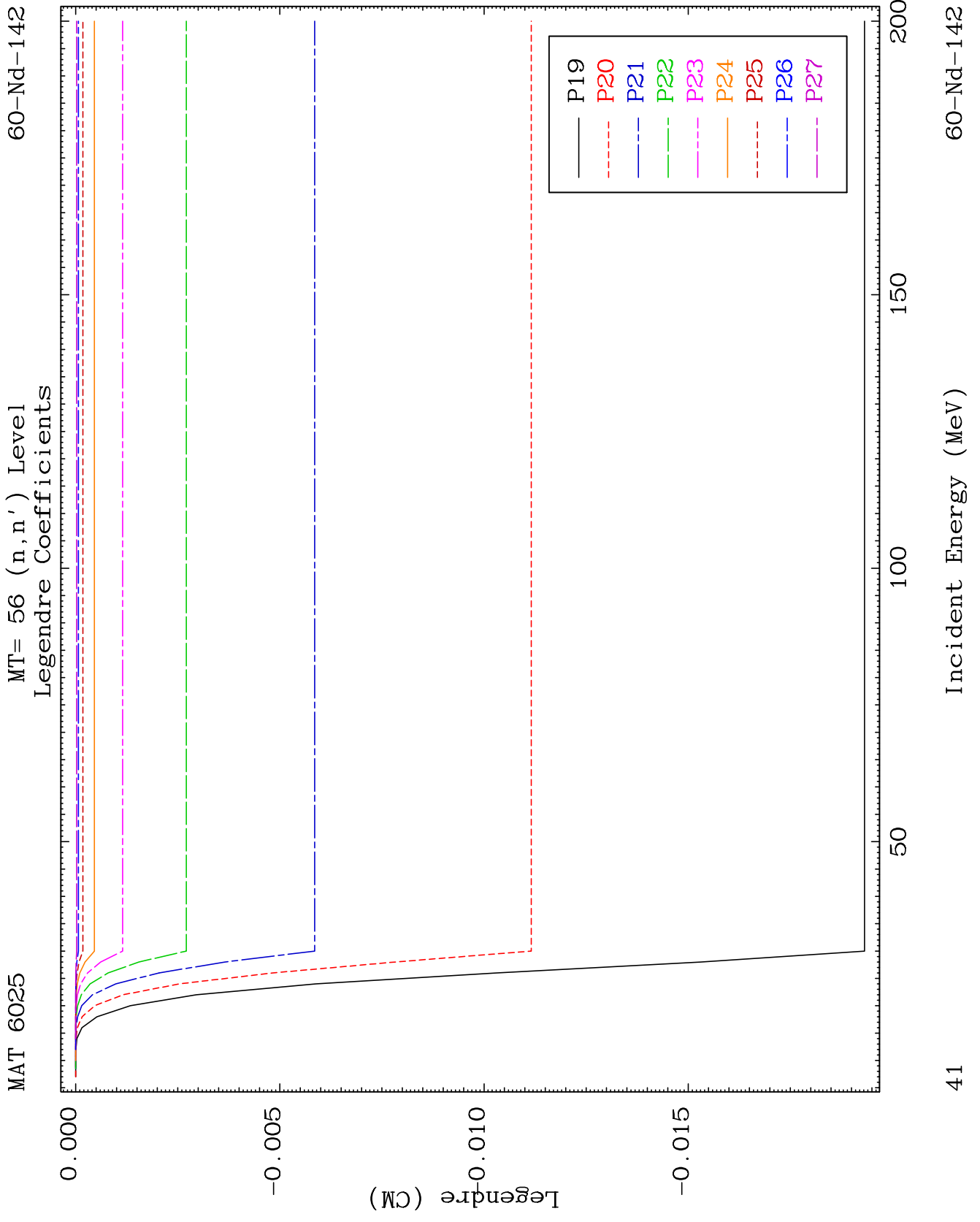
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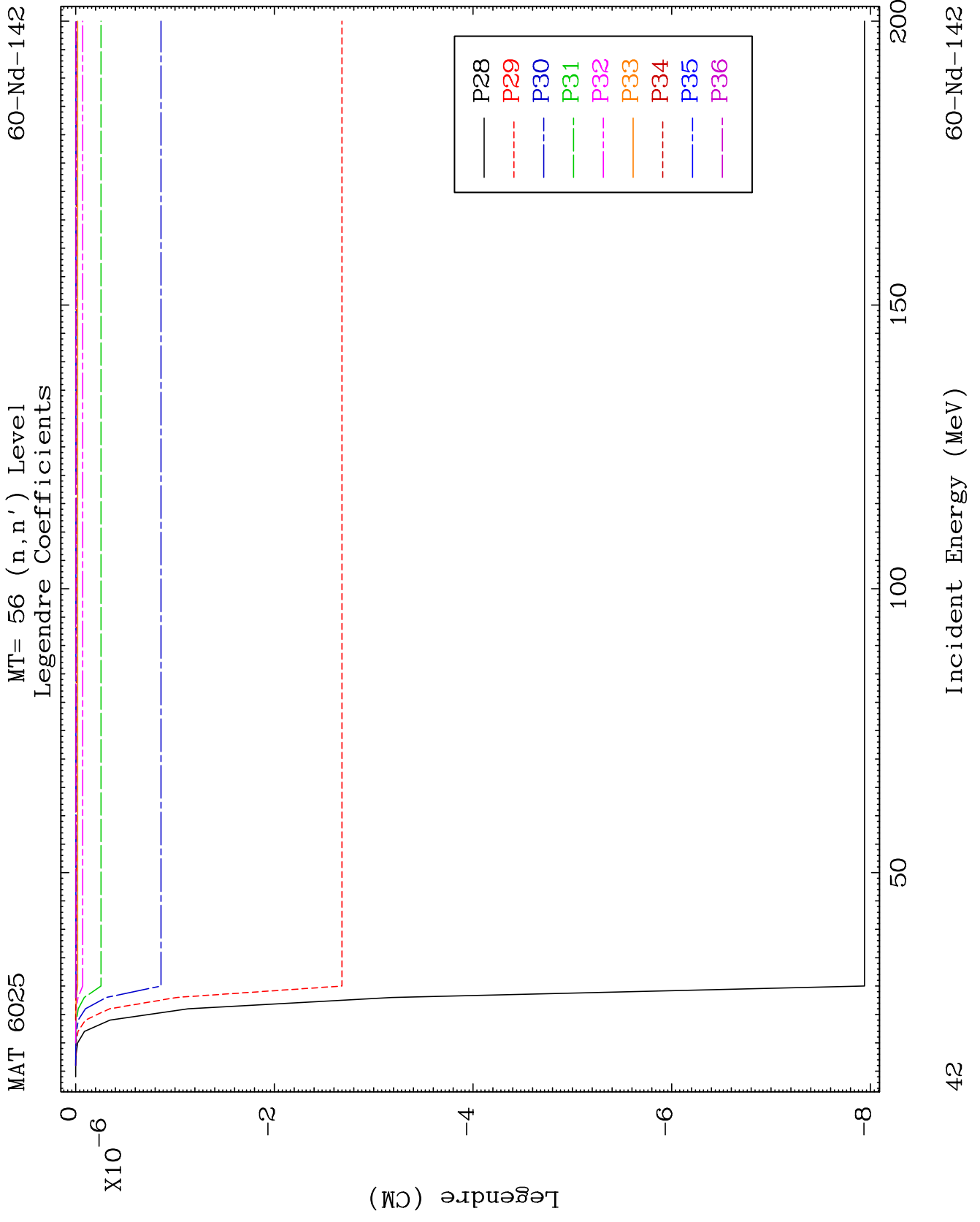


39

Incident Energy (MeV)

60-Nd-142

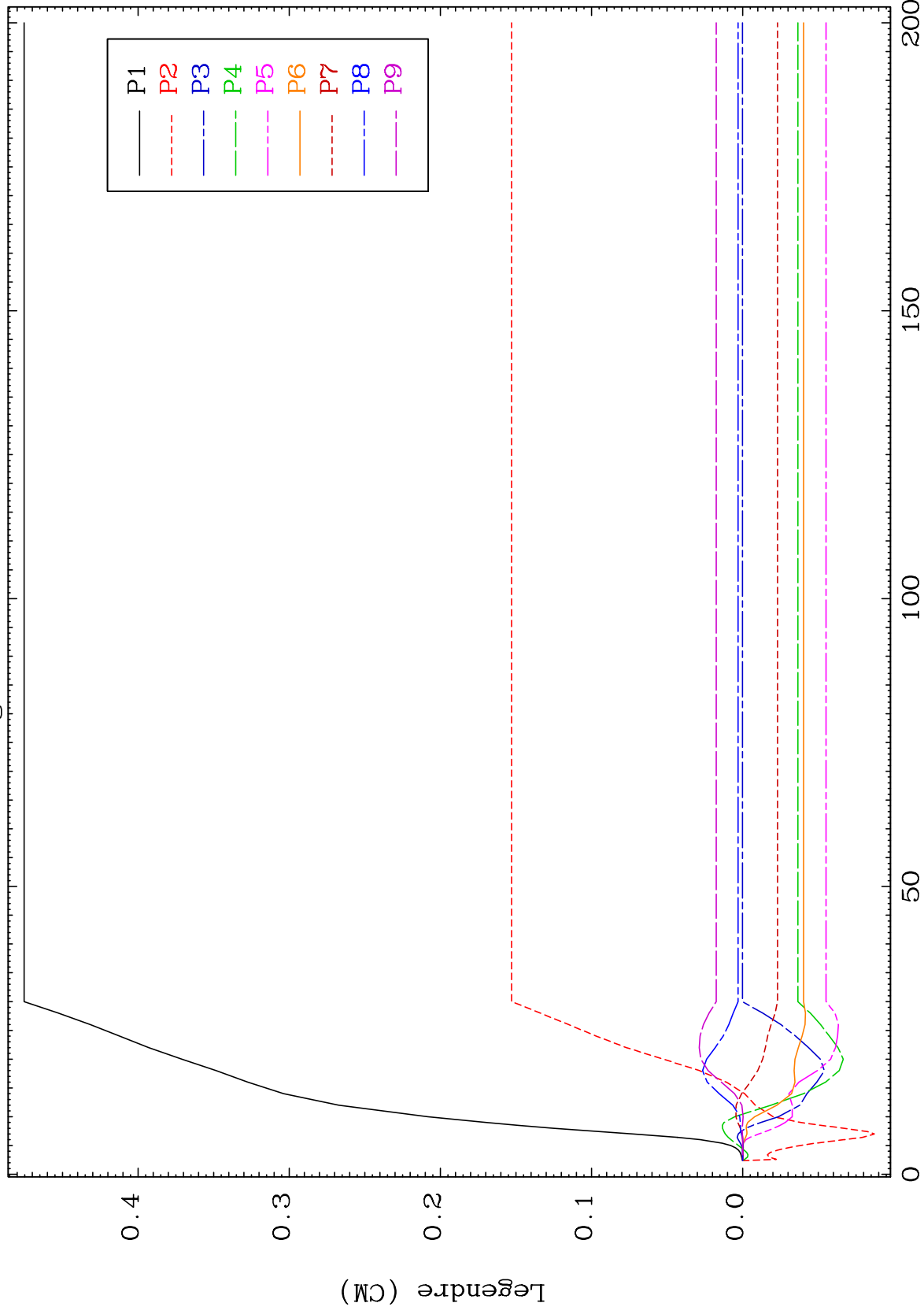




MAT 6025

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

60-Nd-142



43

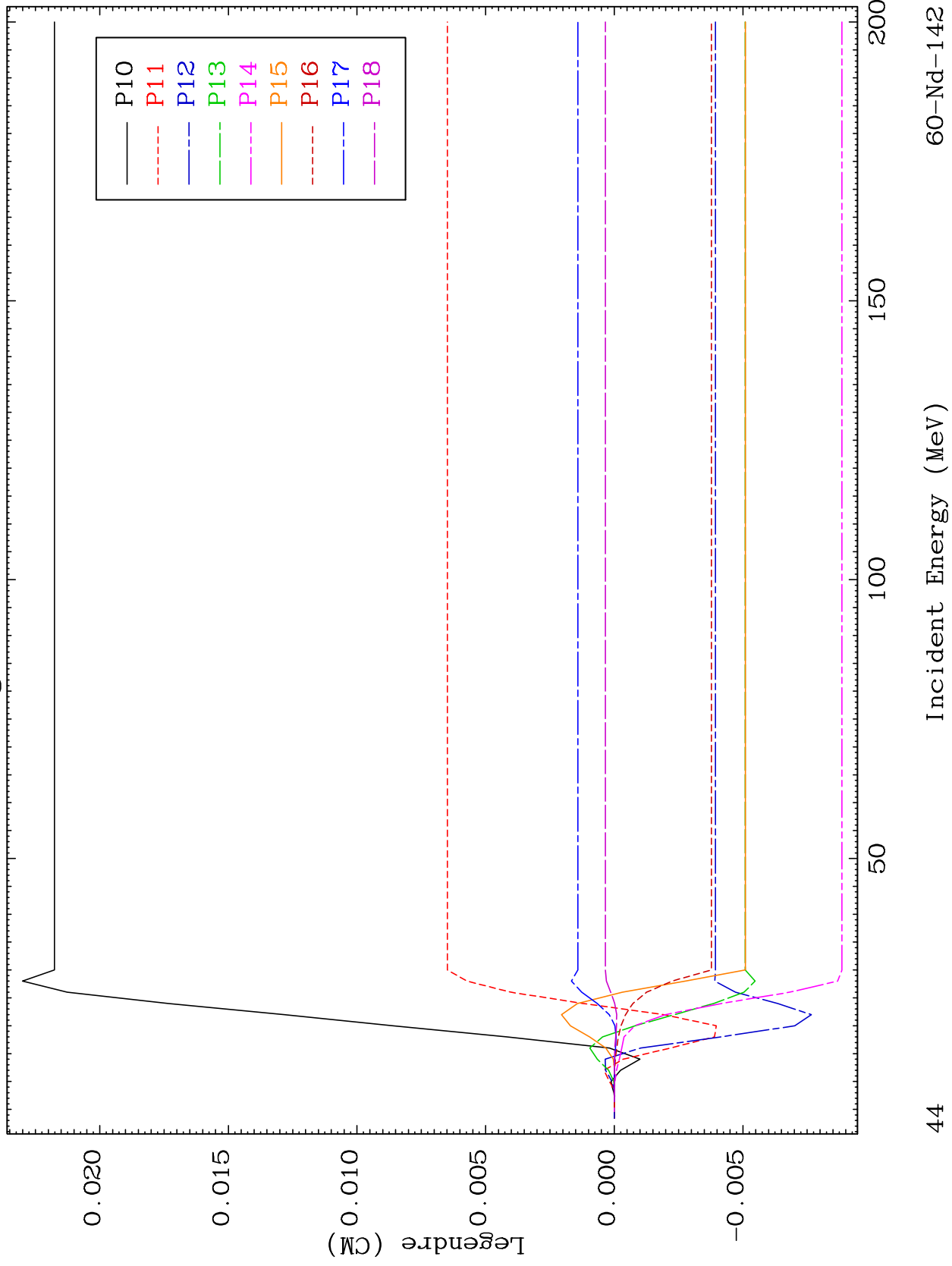
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

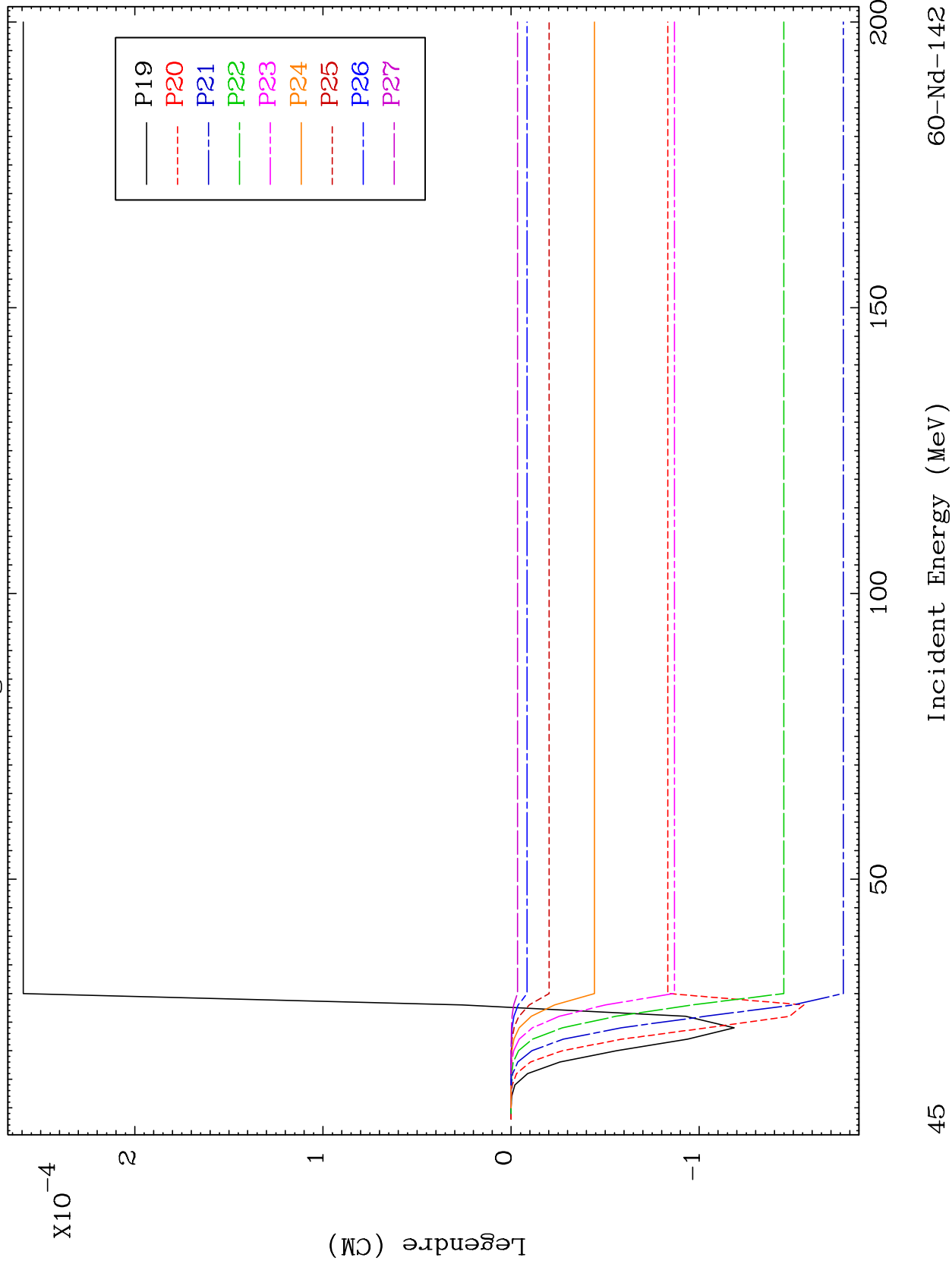
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MAT 6025

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

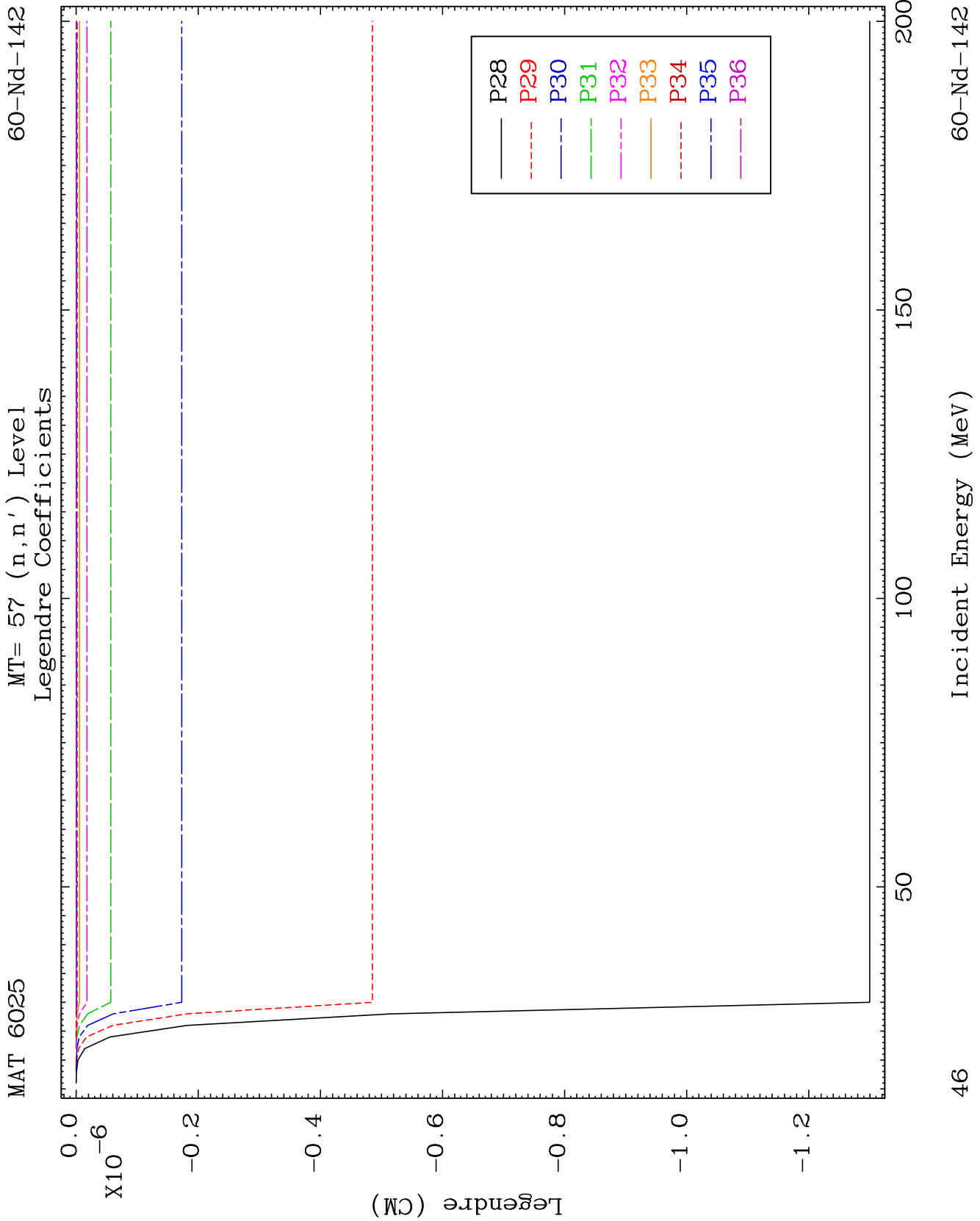
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45

Incident Energy (MeV)

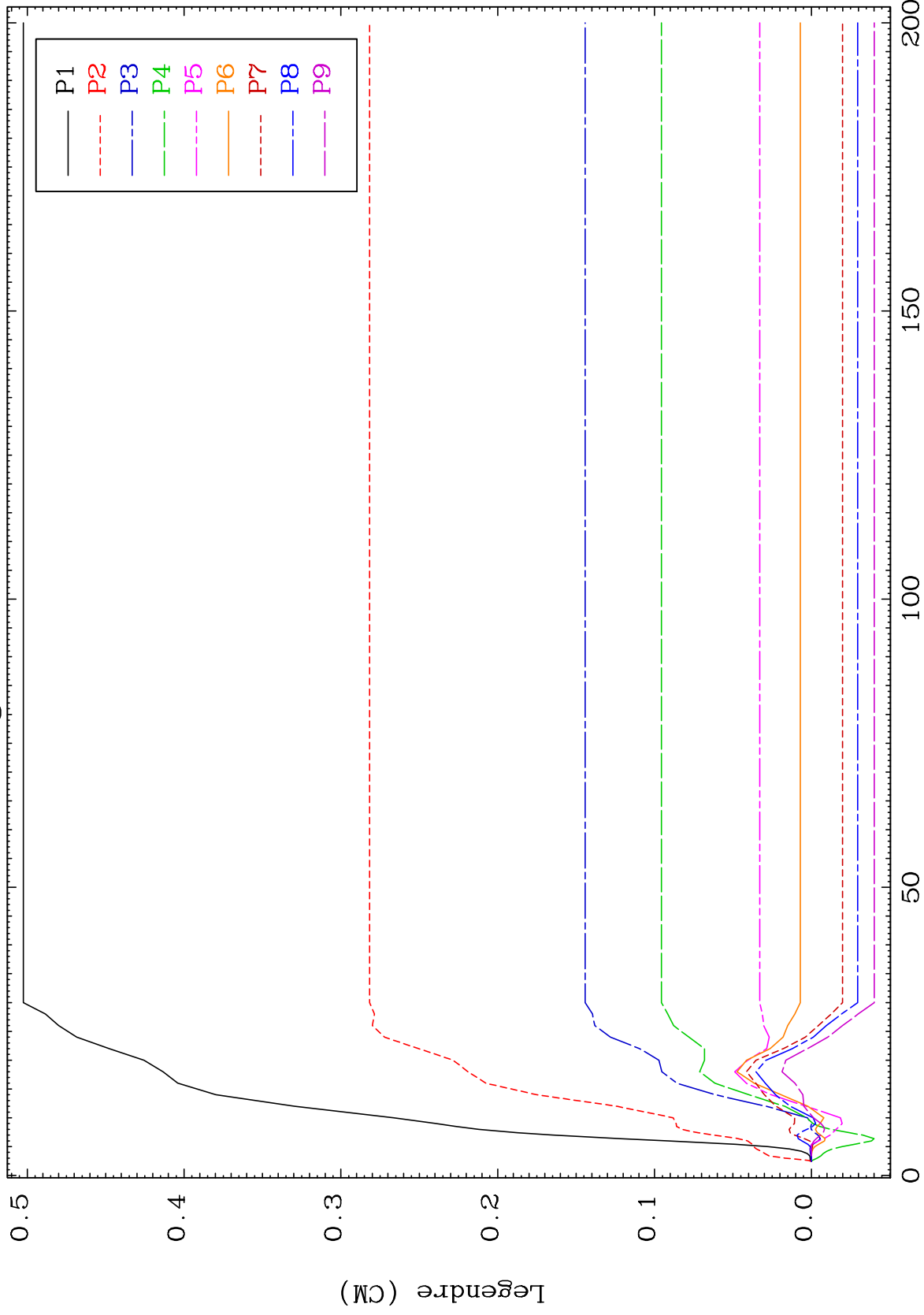
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MAT 6025

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

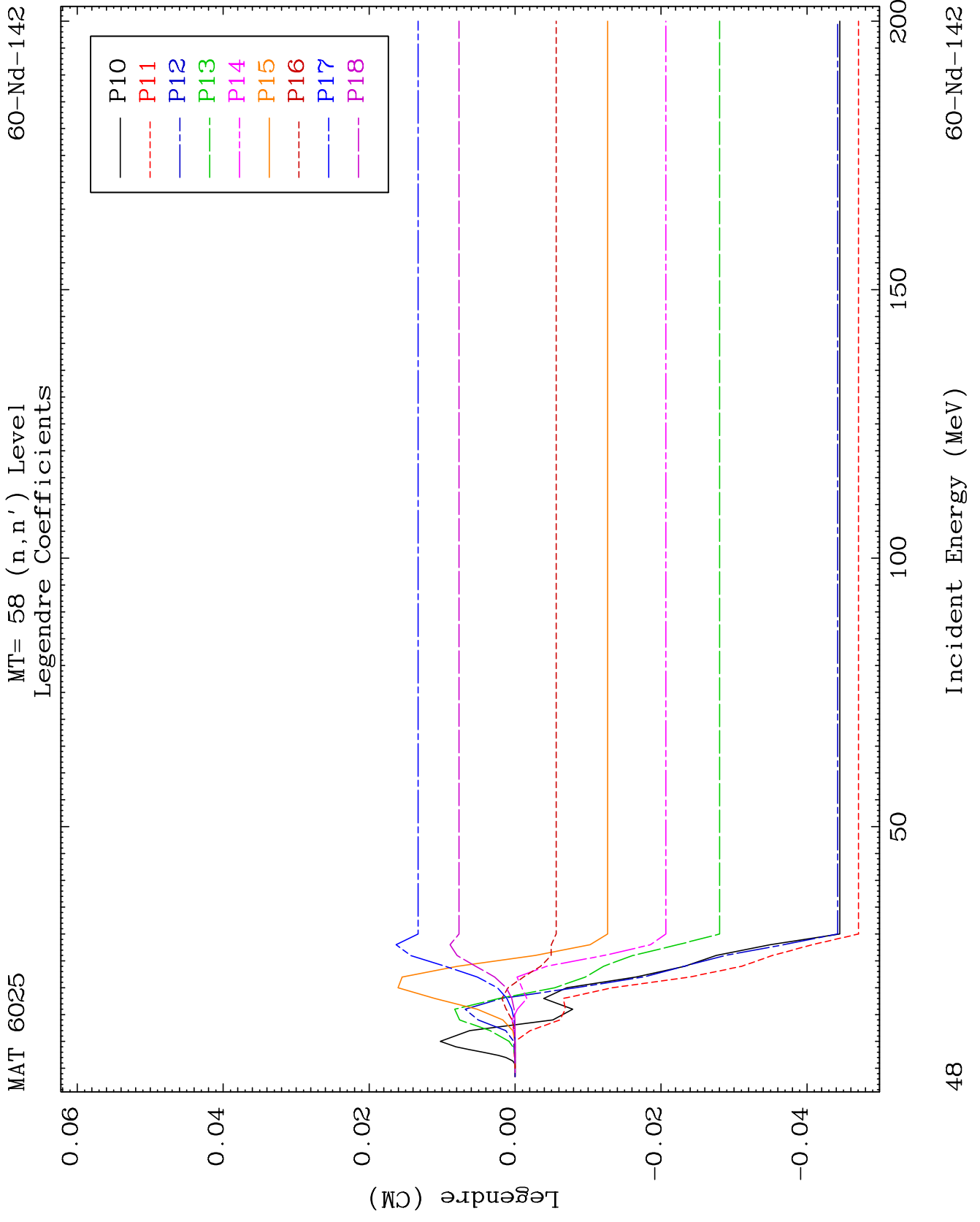
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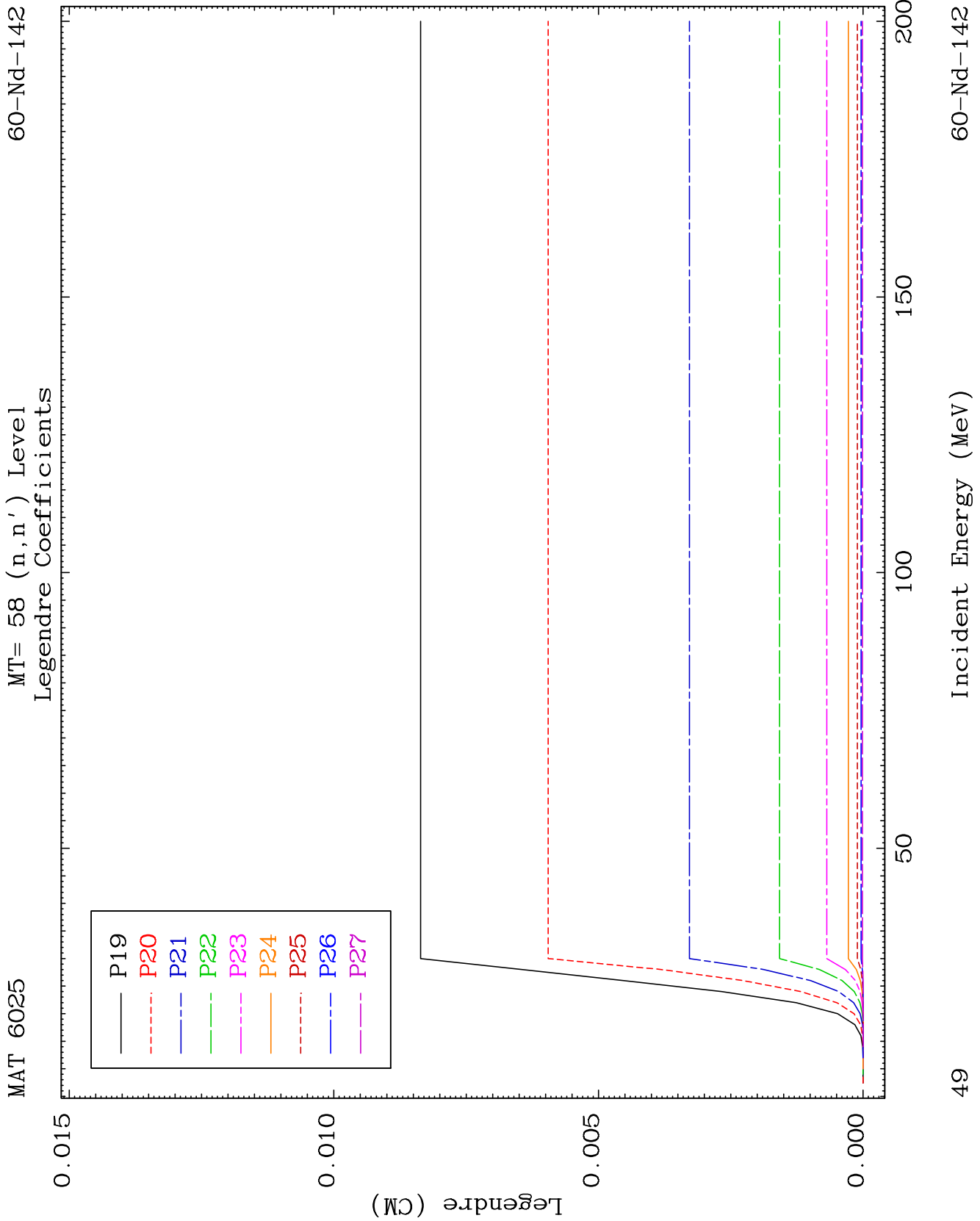


47

Incident Energy (MeV)

60-Nd-142

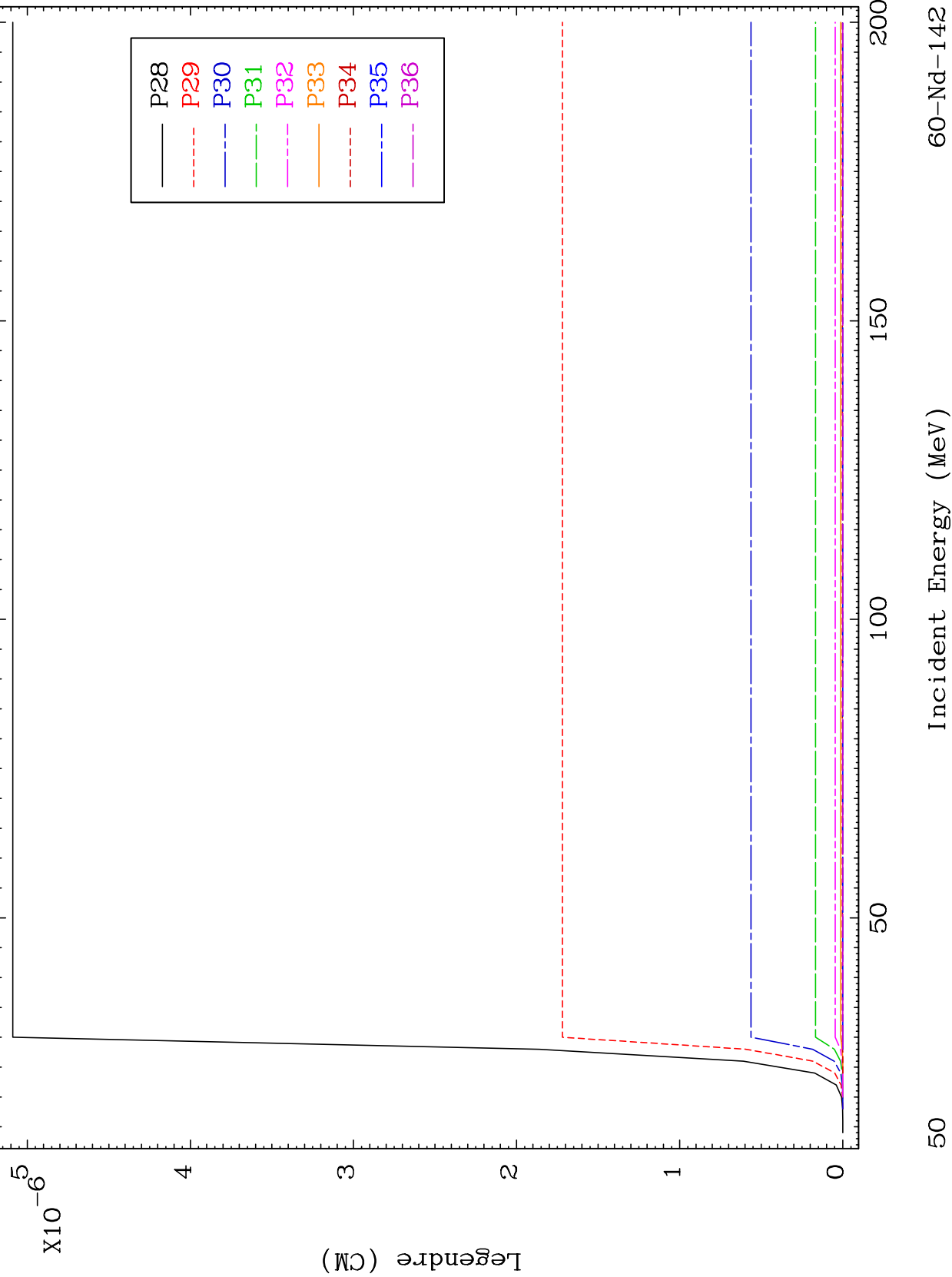




MAT 6025

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

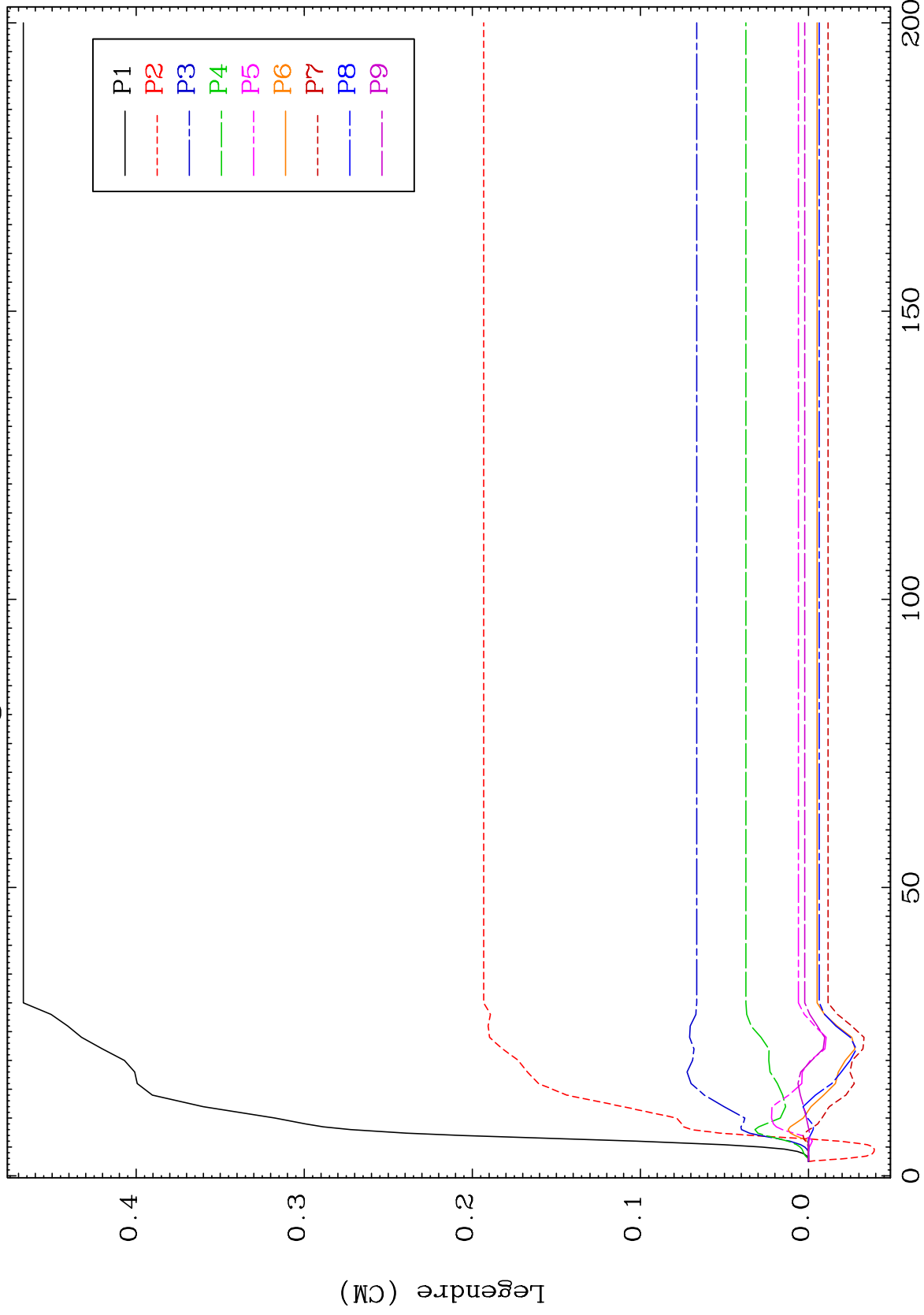
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MAT 6025

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

60-Nd-142



60-Nd-142

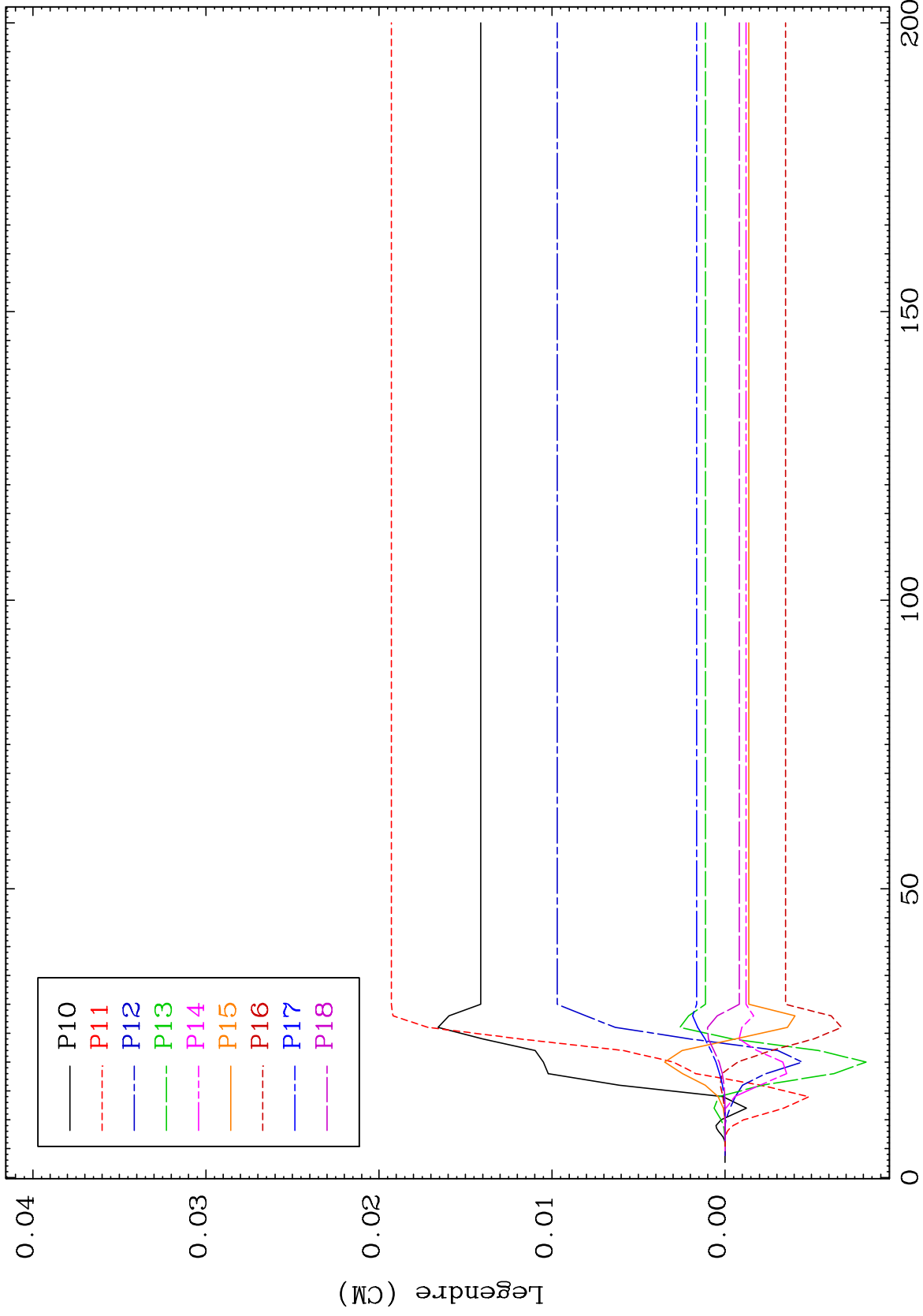
Incident Energy (MeV)

51

MAT 6025

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

60-Nd-142



52

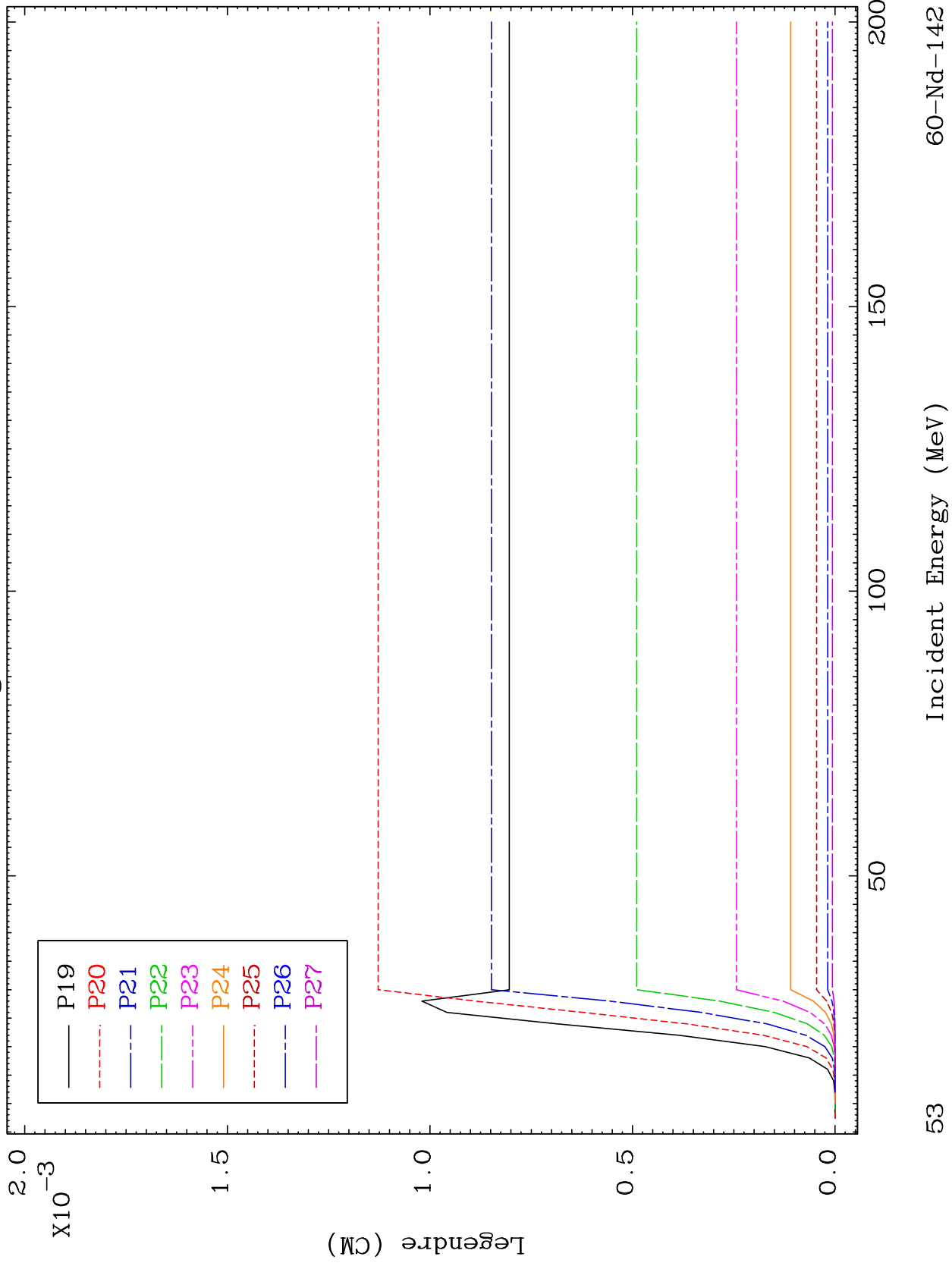
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

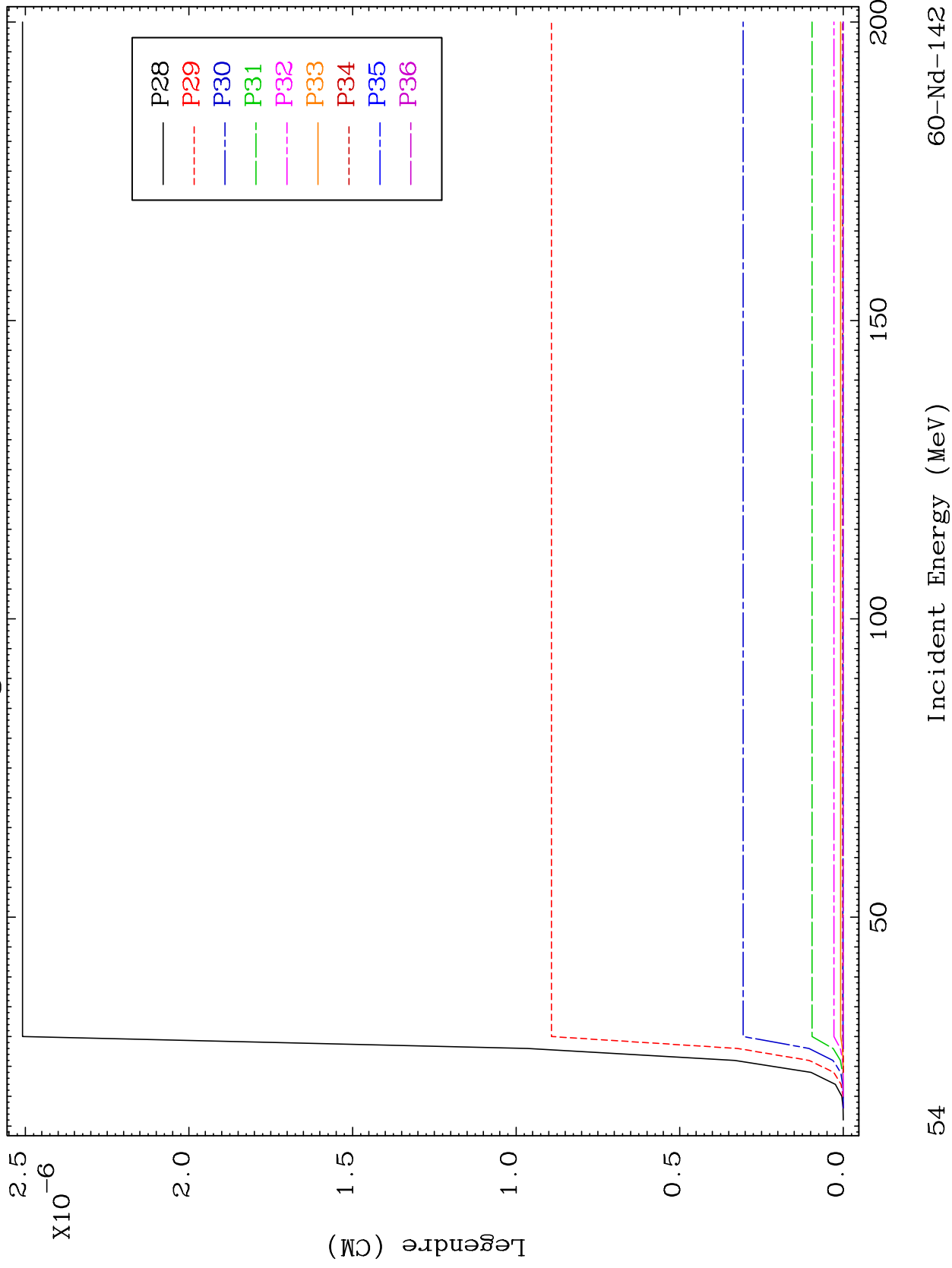
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MAT 6025

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

60-Nd-142



54

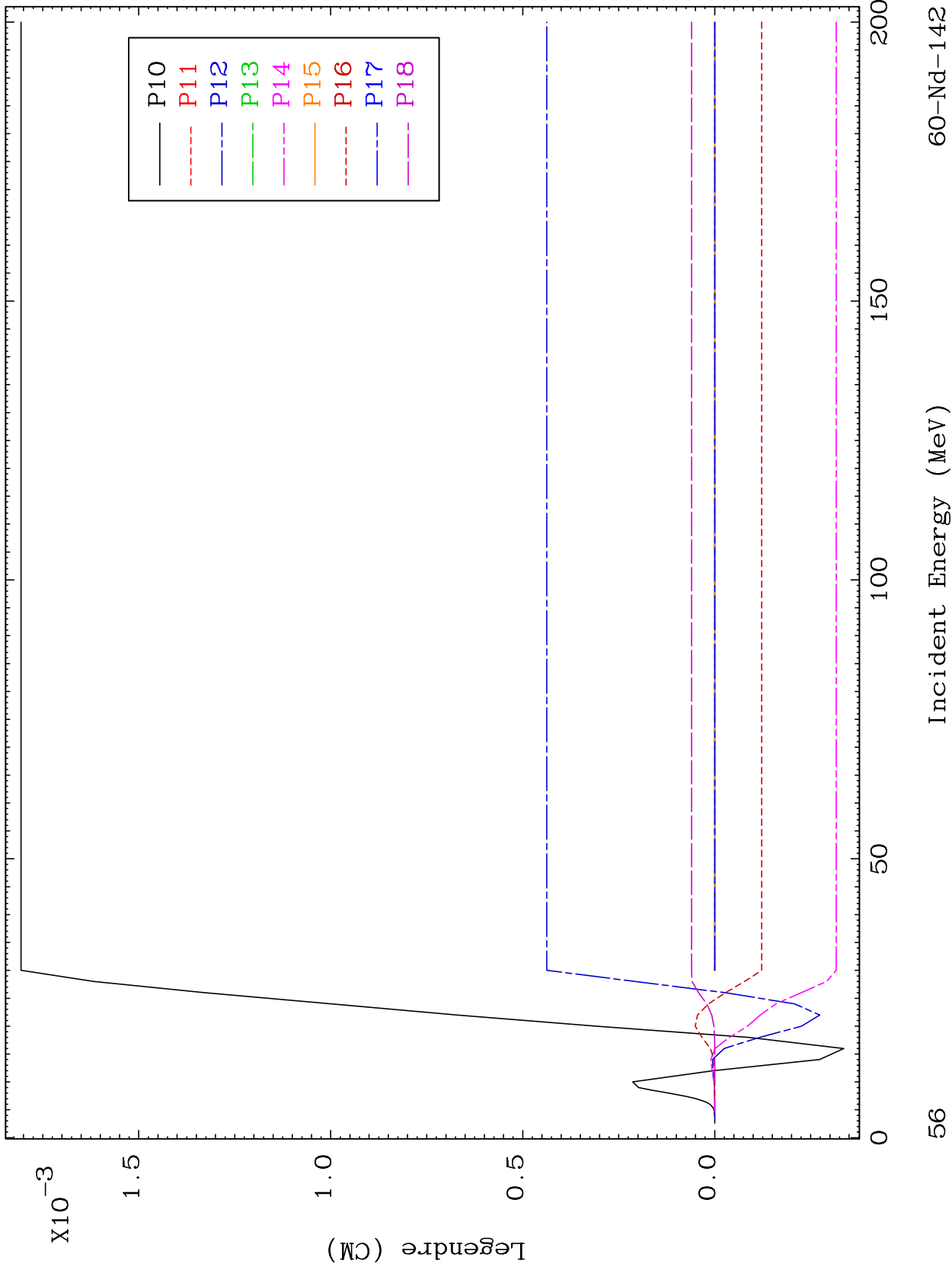
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

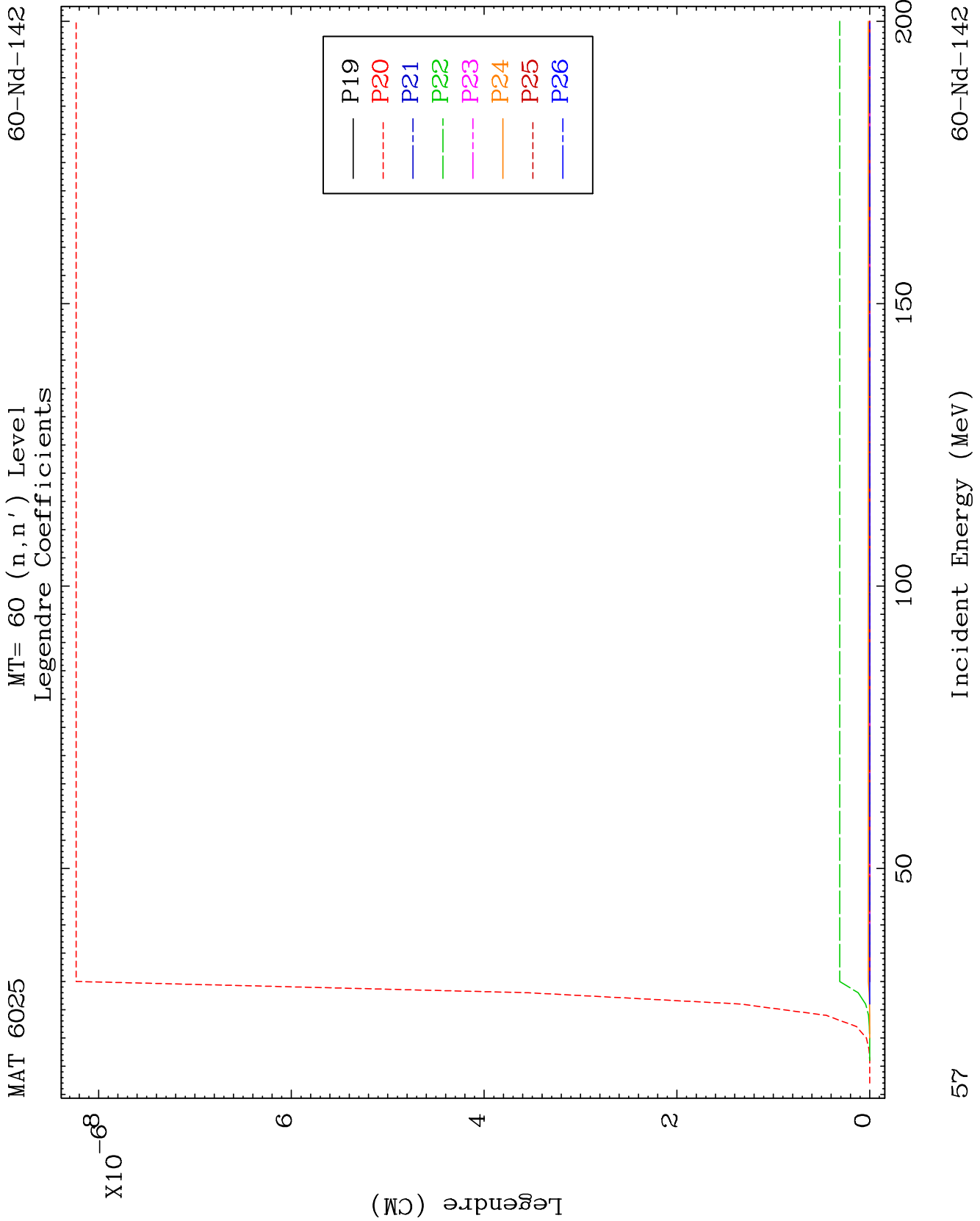
60-Nd-142



56

Incident Energy (MeV)

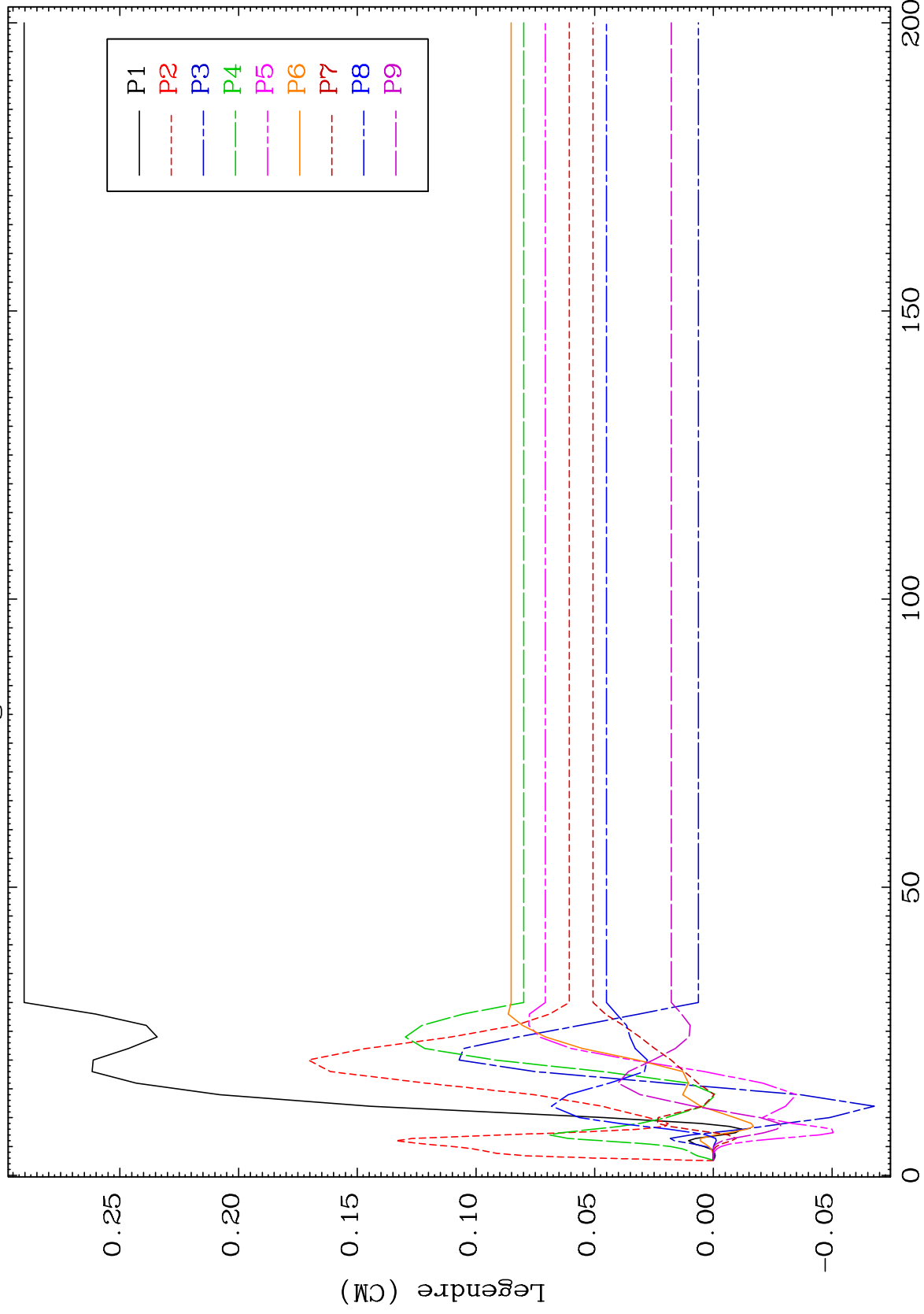
60-Nd-142



MAT 6025

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

60-Nd-142



58

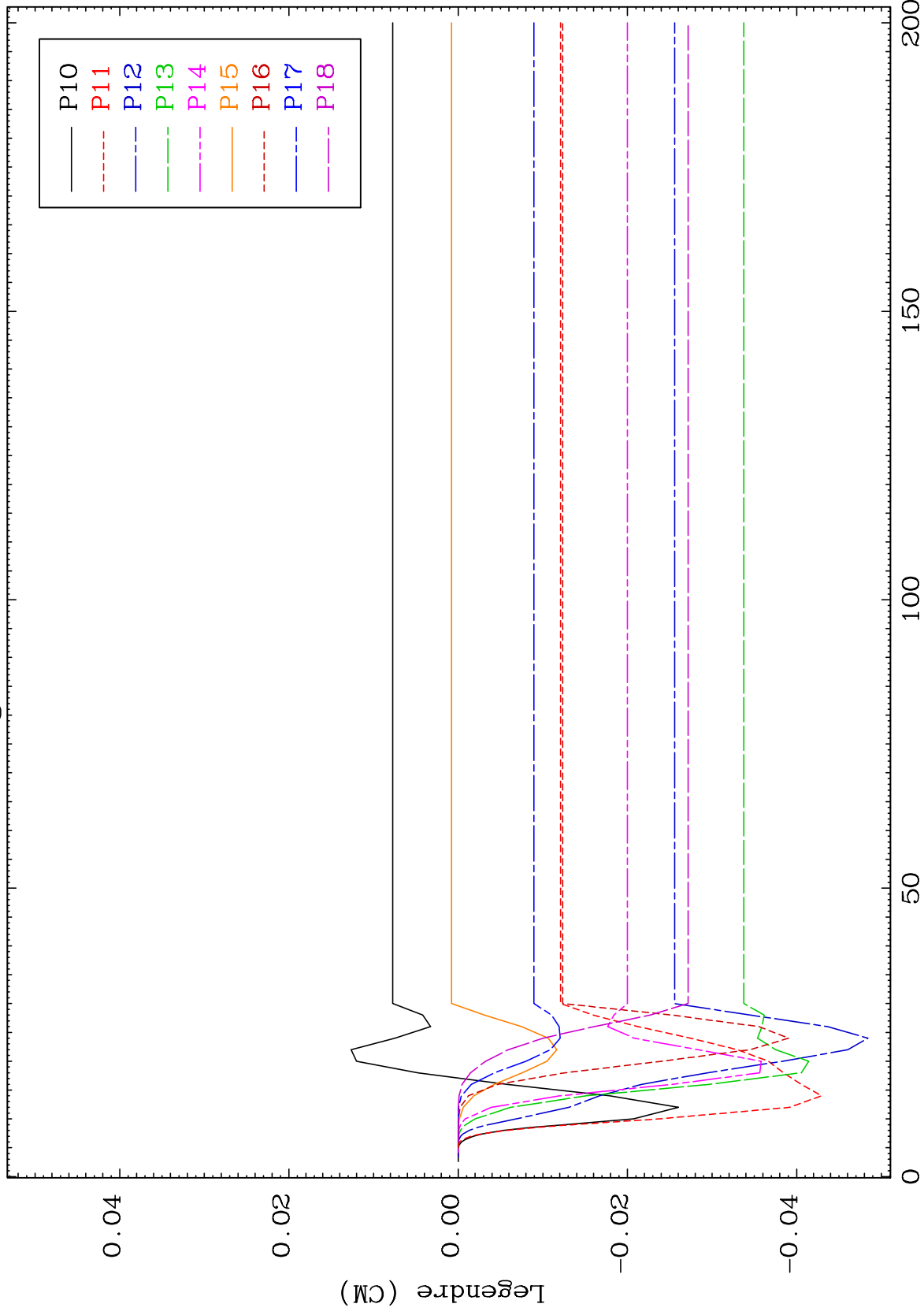
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

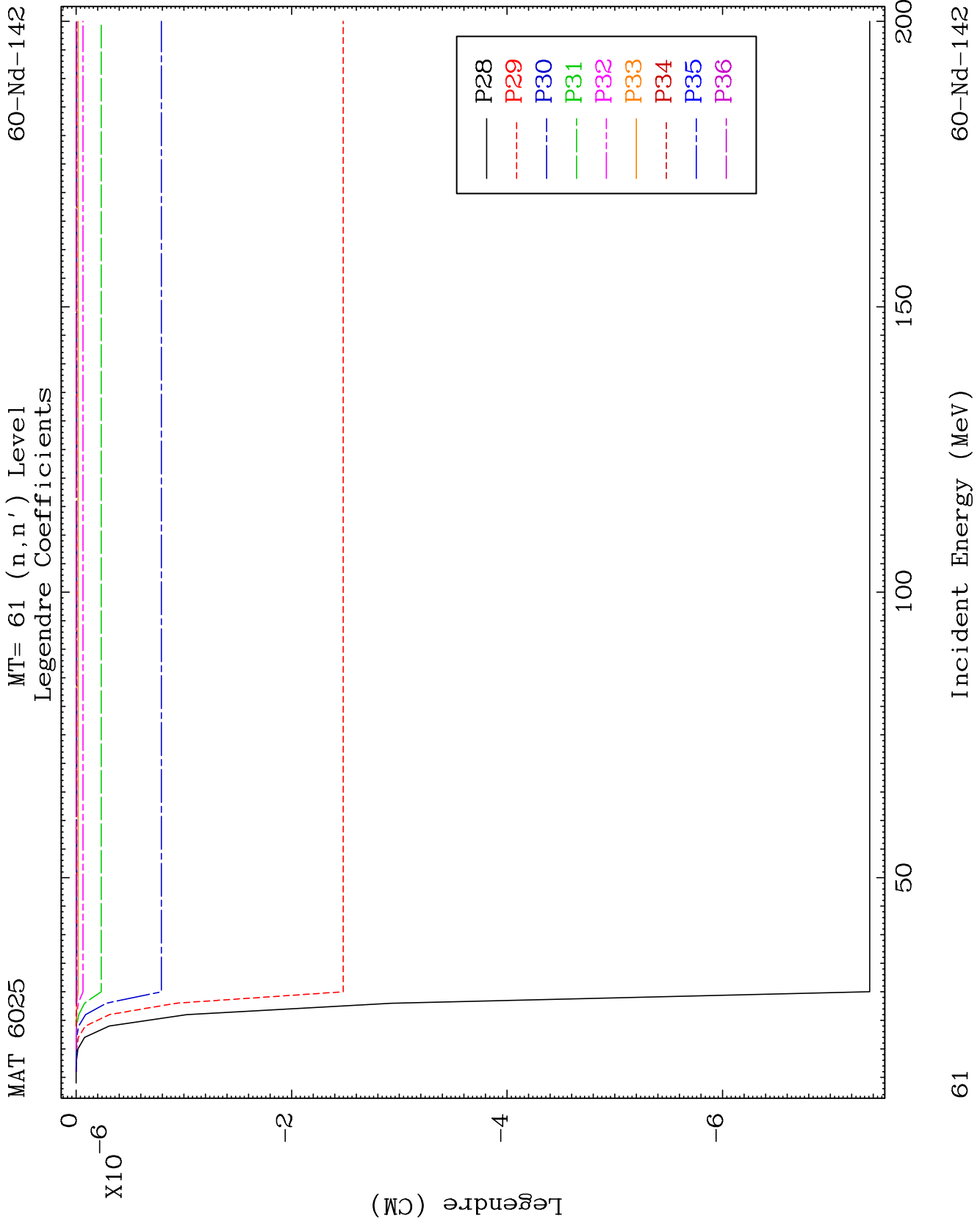
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59

Incident Energy (MeV)

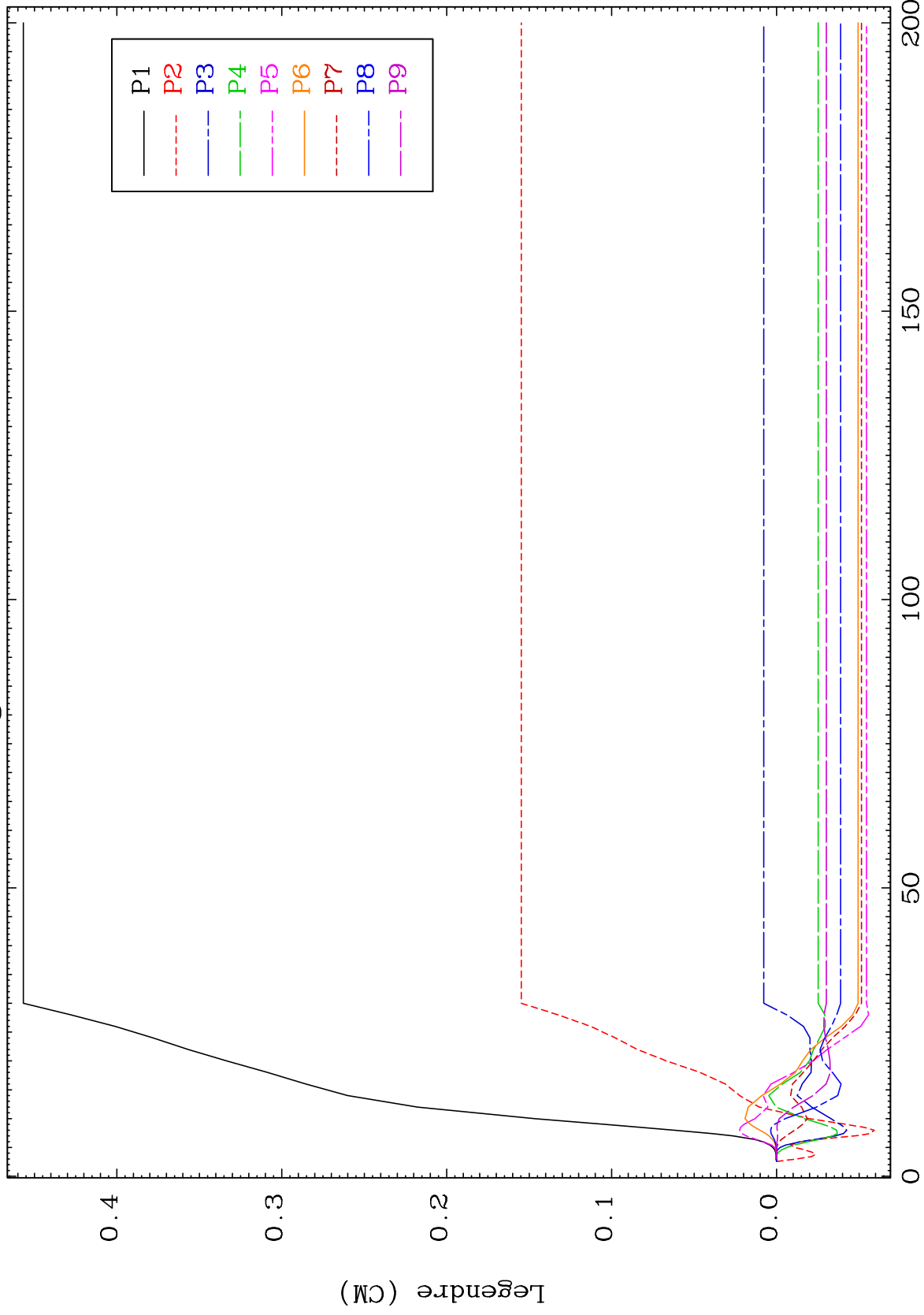
60-Nd-142



MAT 6025

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

60-Nd-142



62

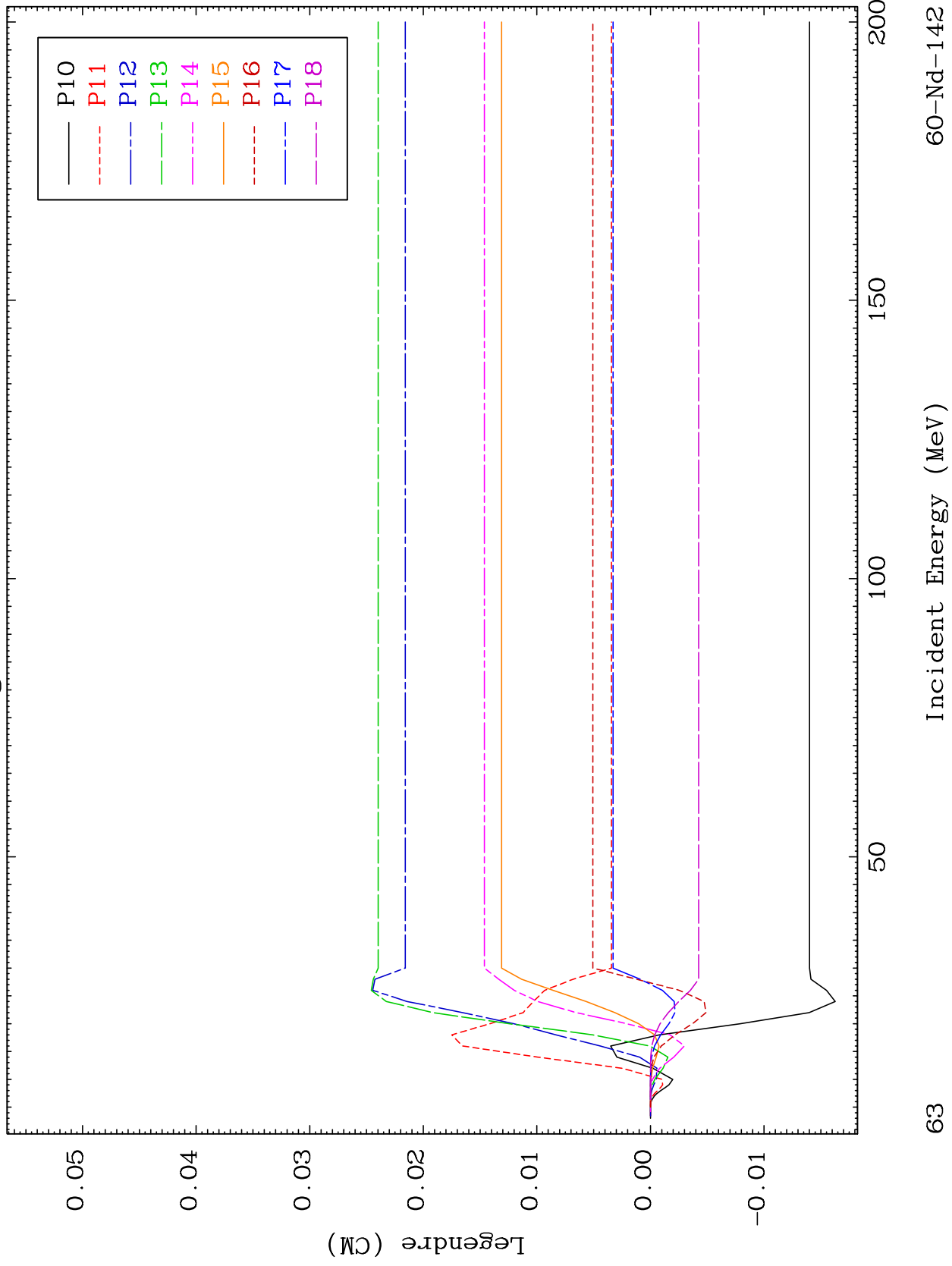
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

60-Nd-142



63

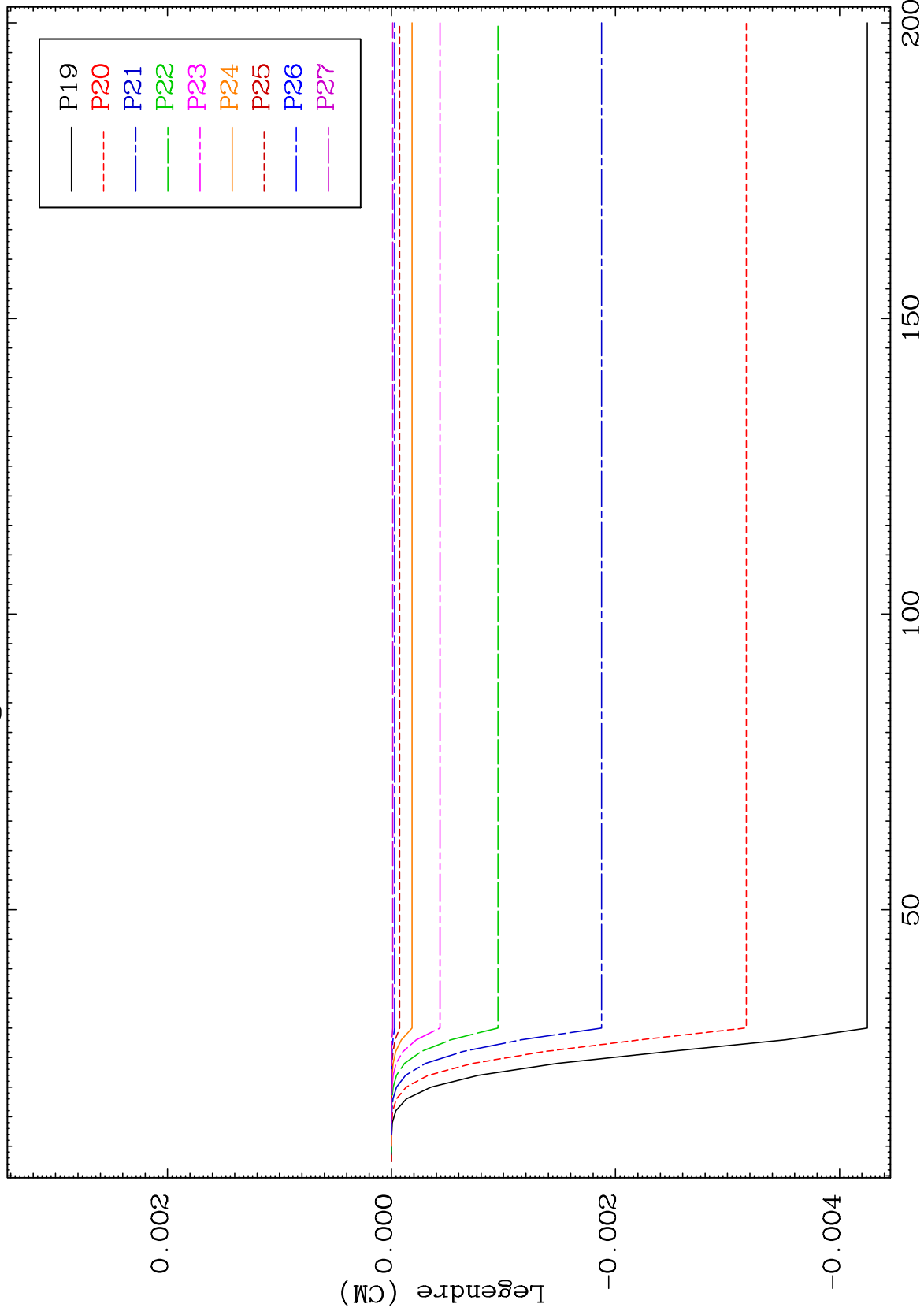
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

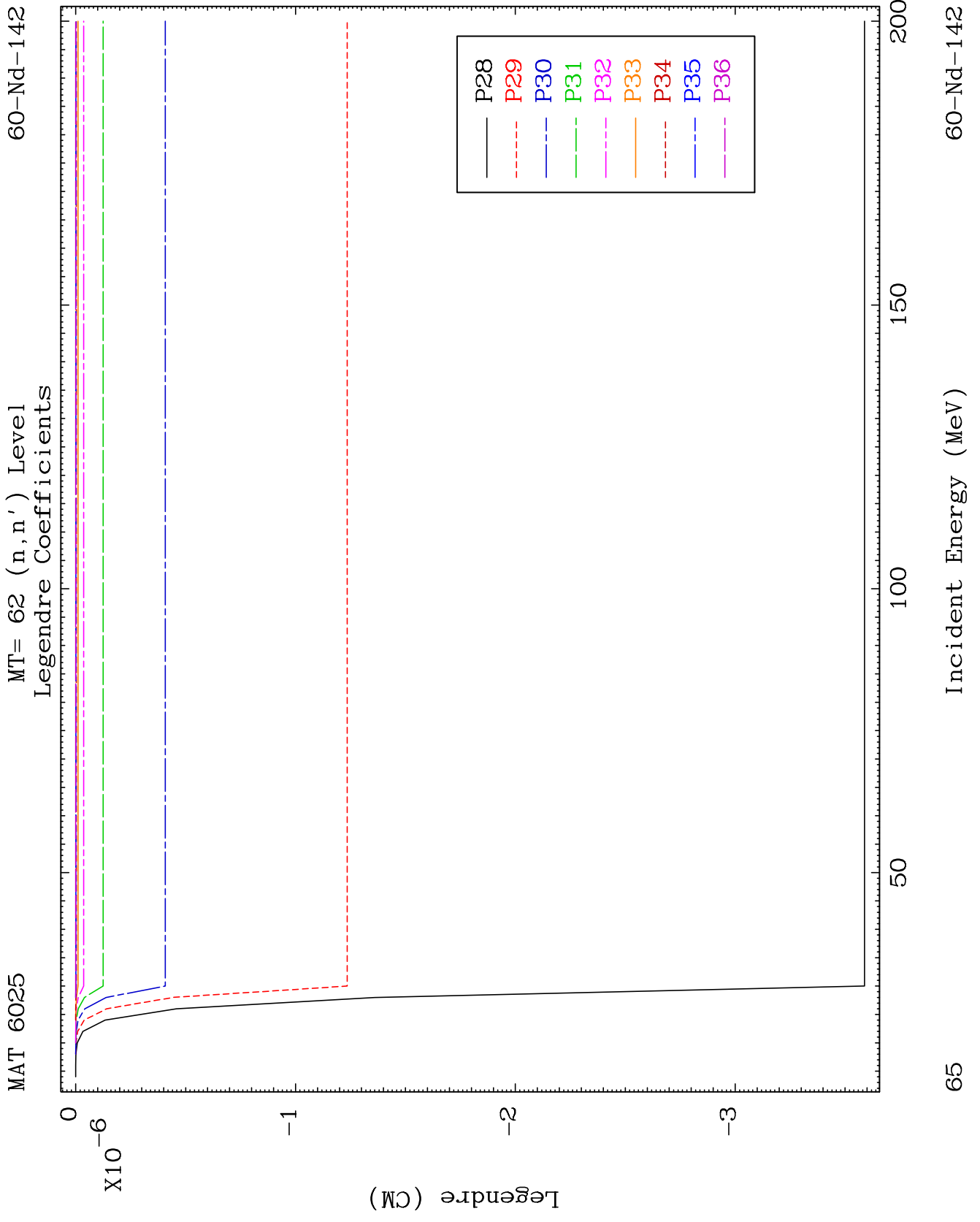
60-Nd-142



64

Incident Energy (MeV)

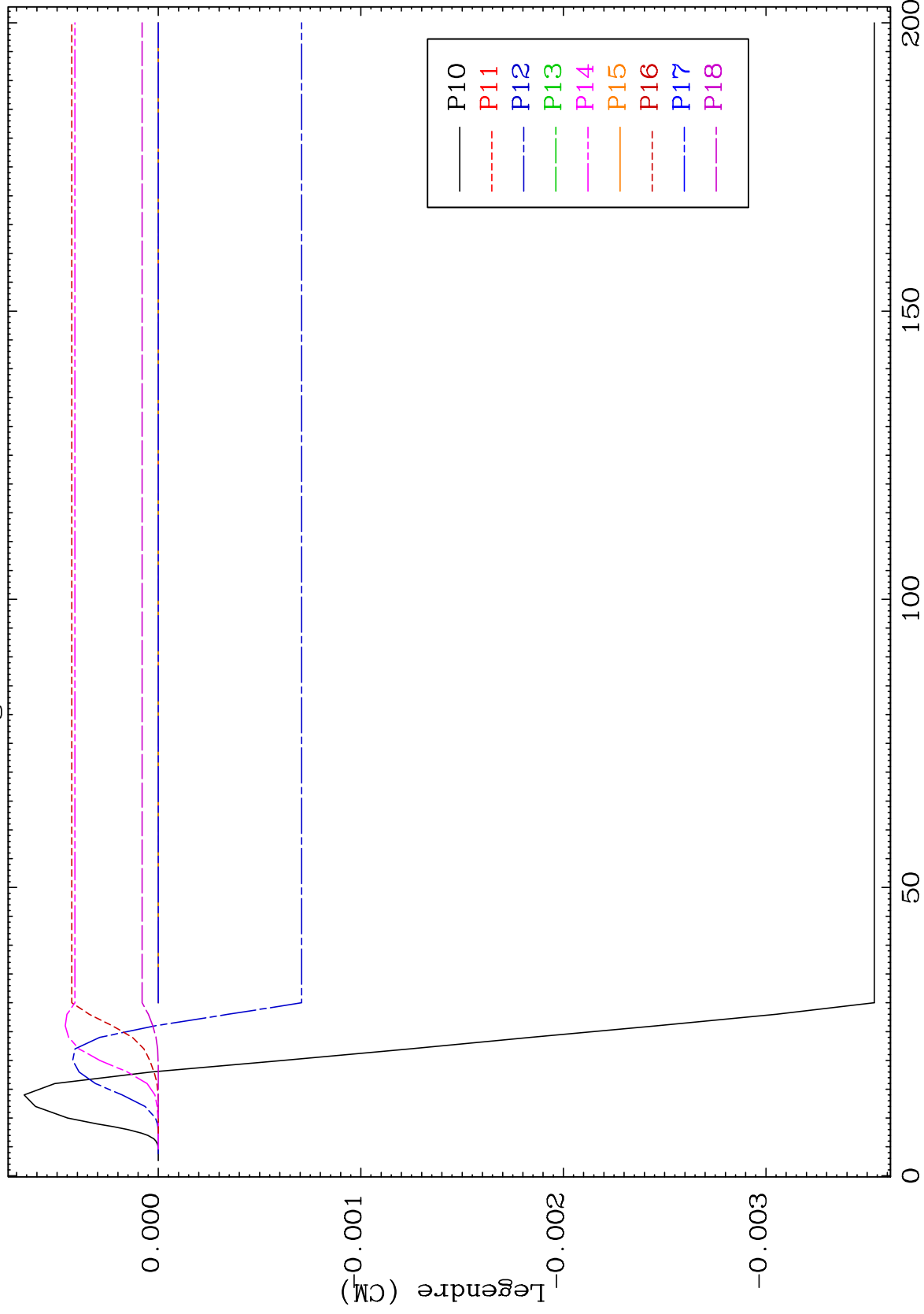
60-Nd-142



MAT 6025

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

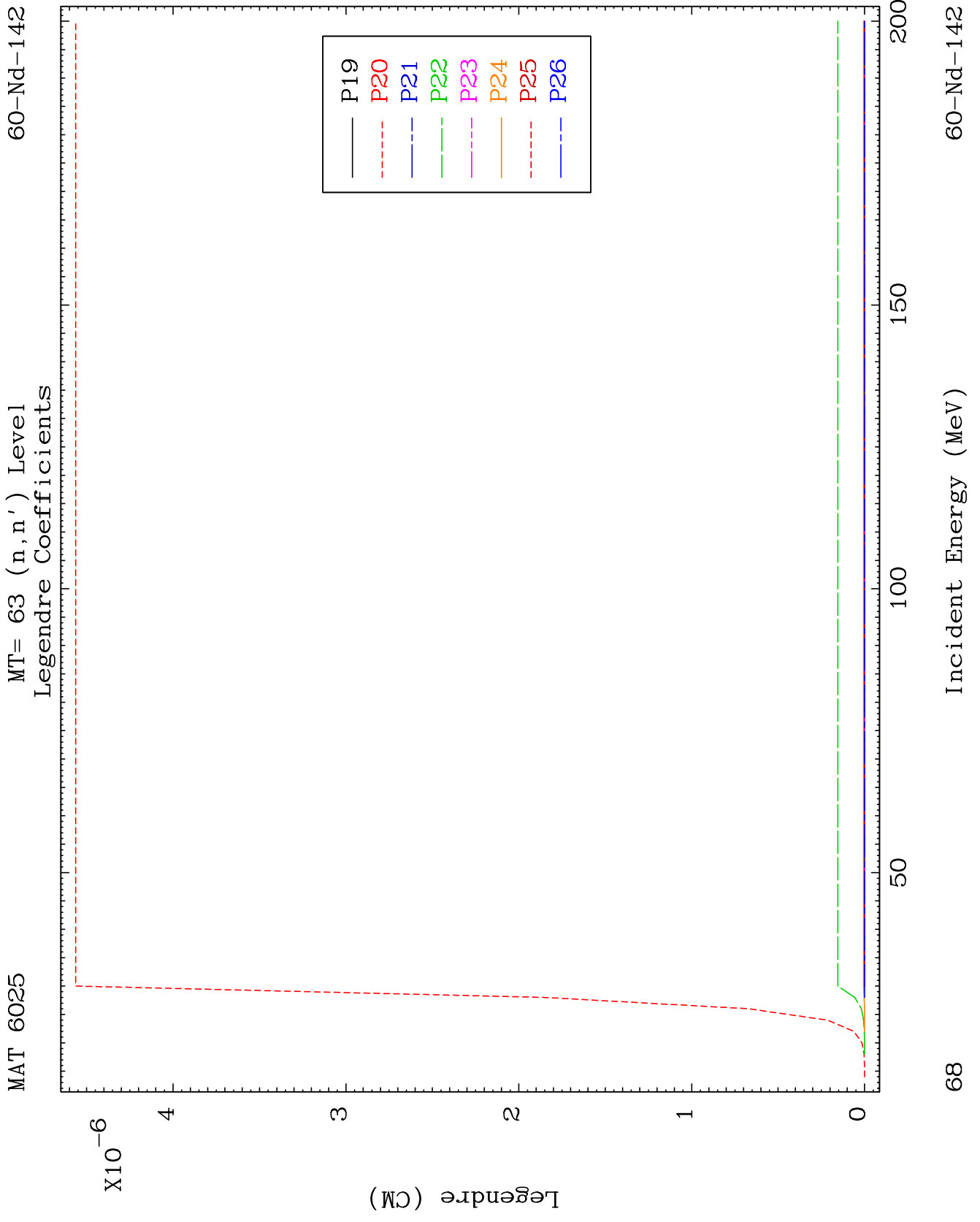
60-Nd-142



67

Incident Energy (MeV)

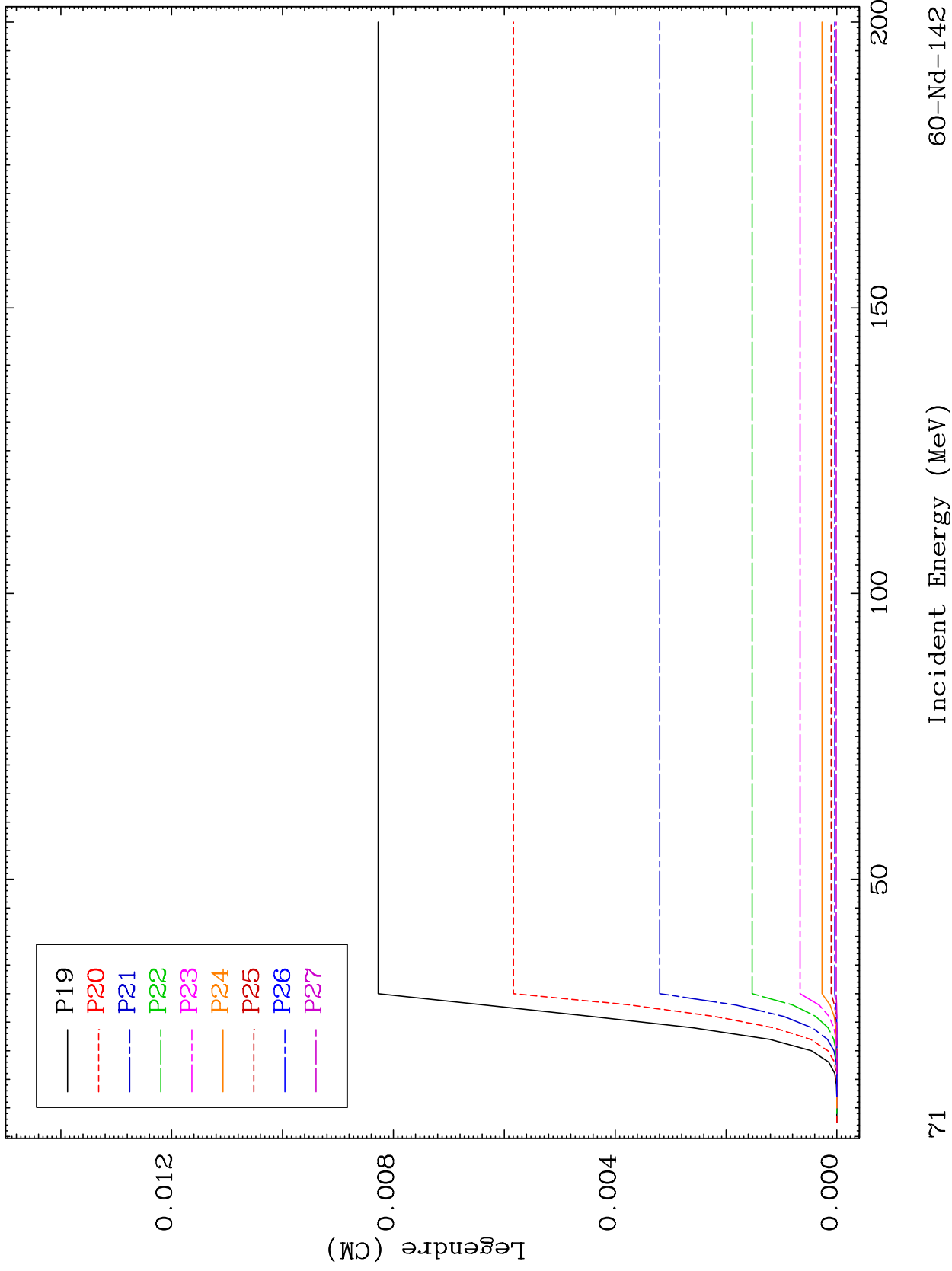
60-Nd-142



MAT 6025

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

60-Nd-142



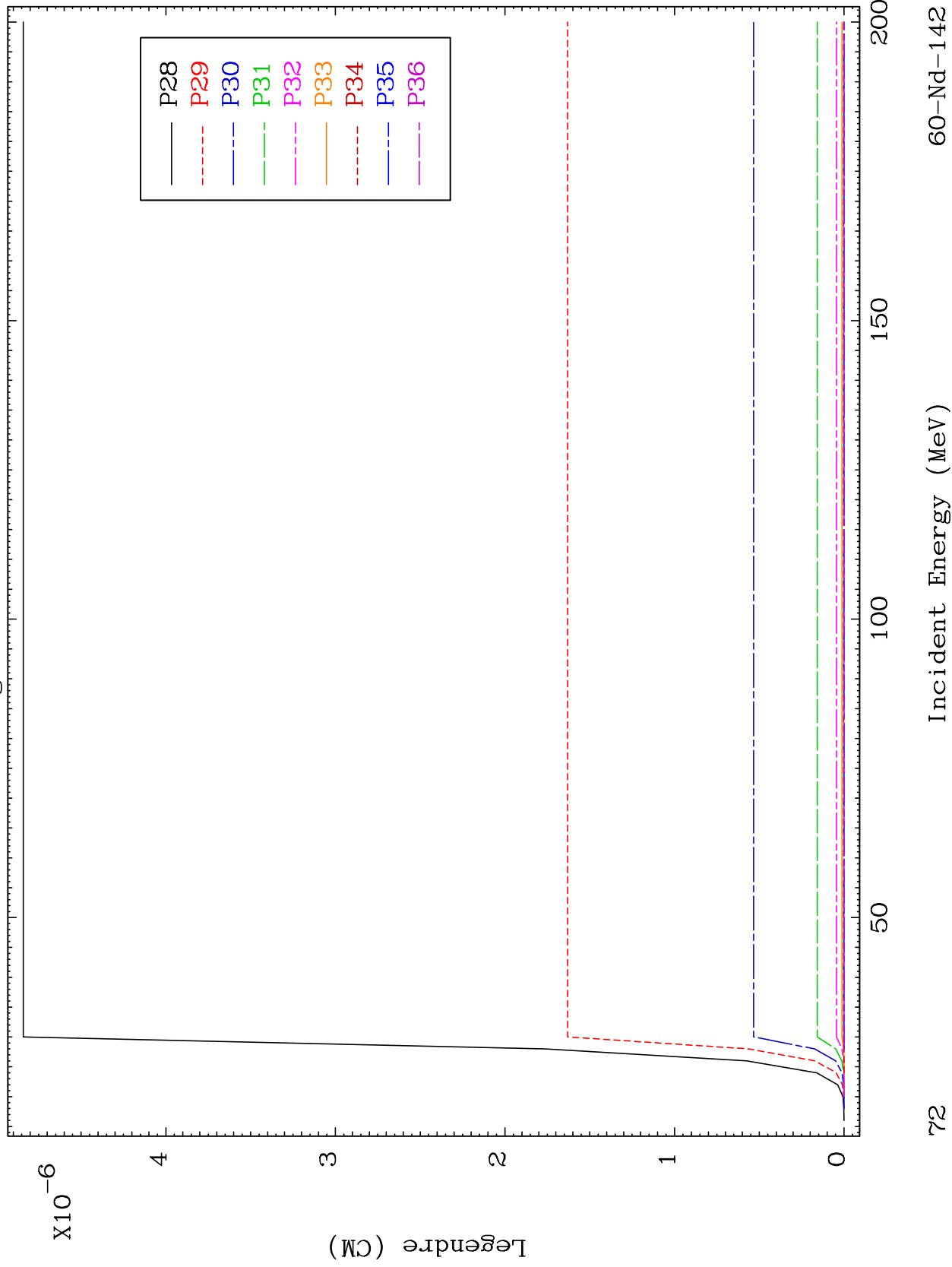
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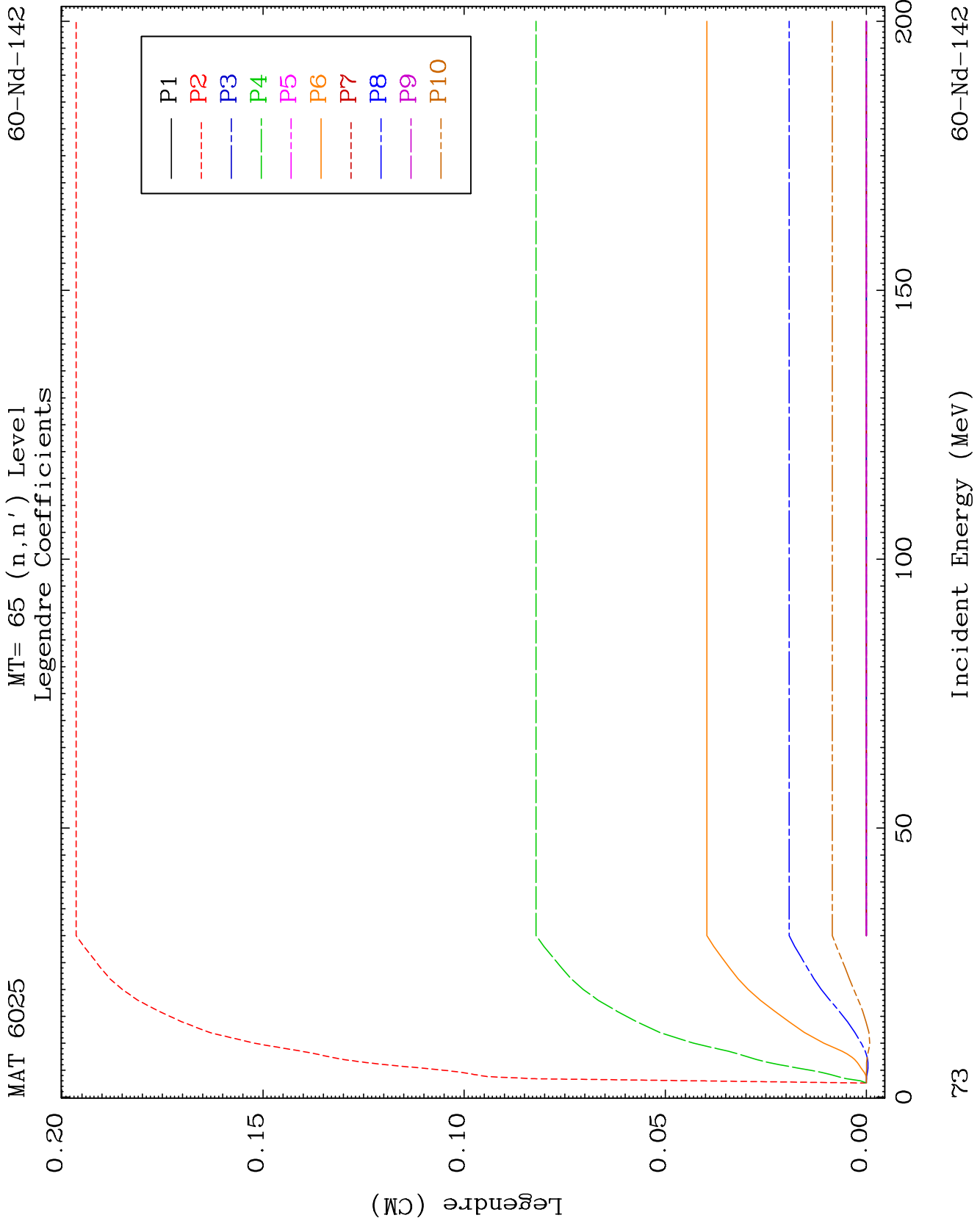
60-Nd-142

MAT 6025

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

60-Nd-142





60-Nd-142

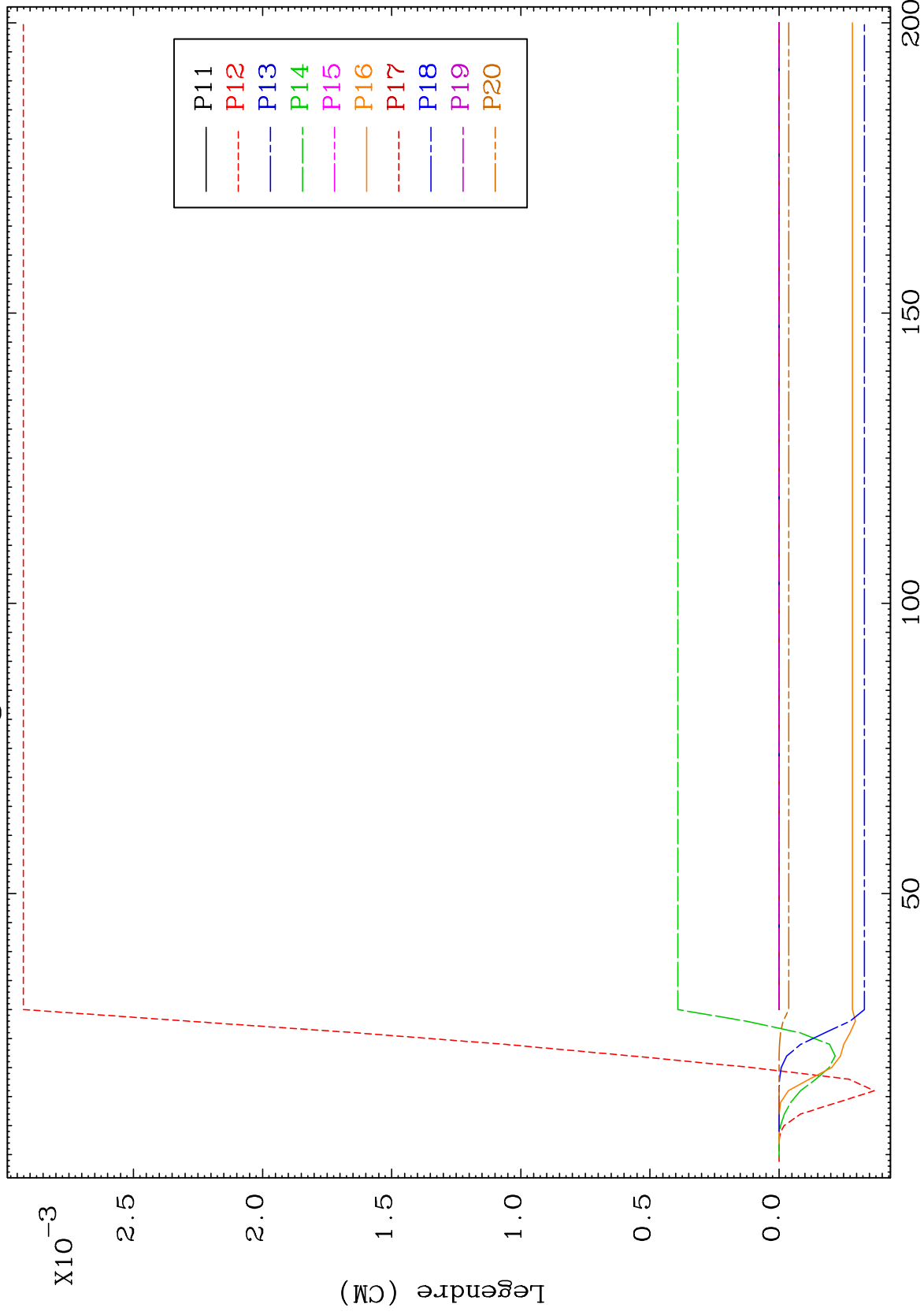
Incident Energy (MeV)

73

MAT 6025

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

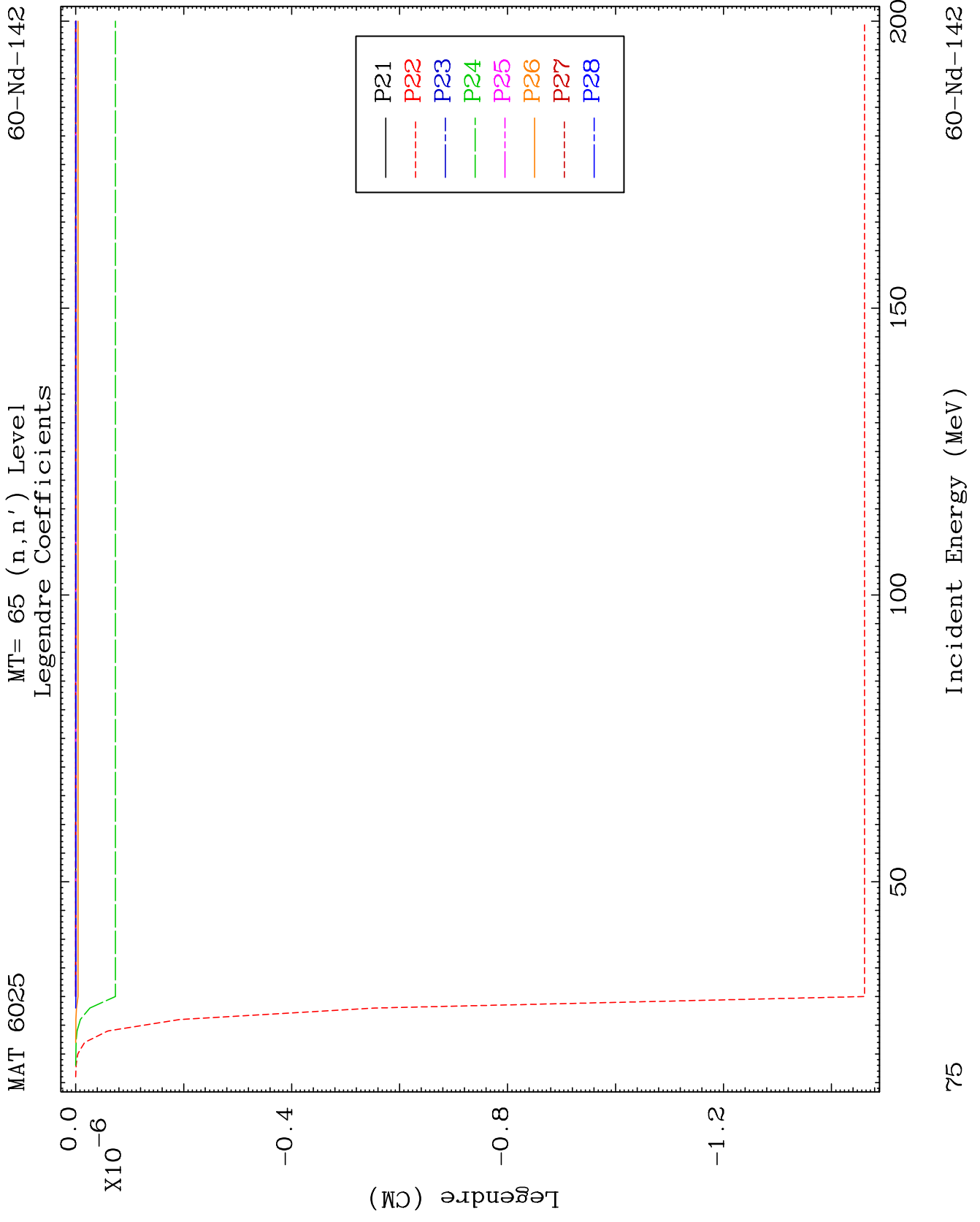
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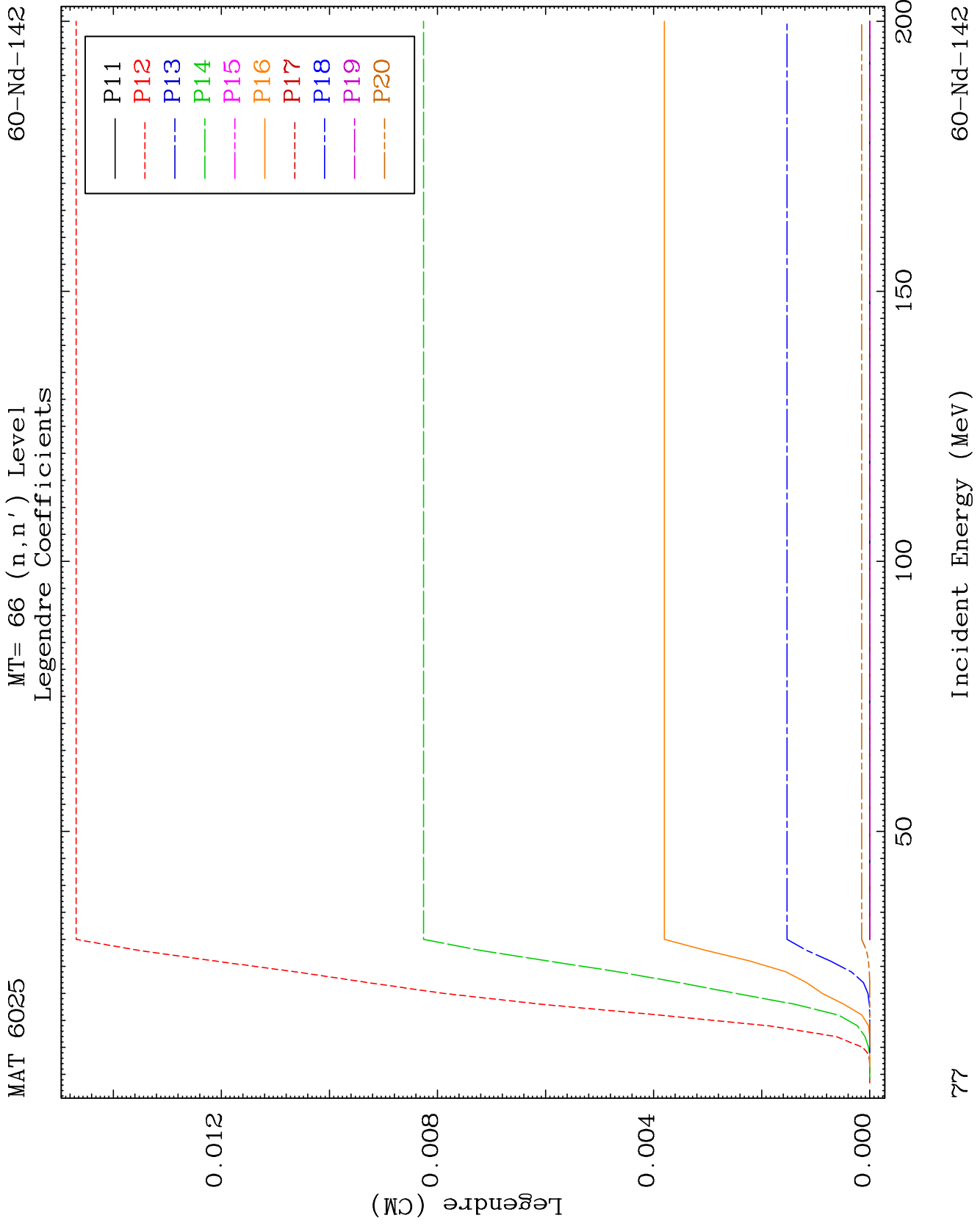


74

Incident Energy (MeV)

60-Nd-142

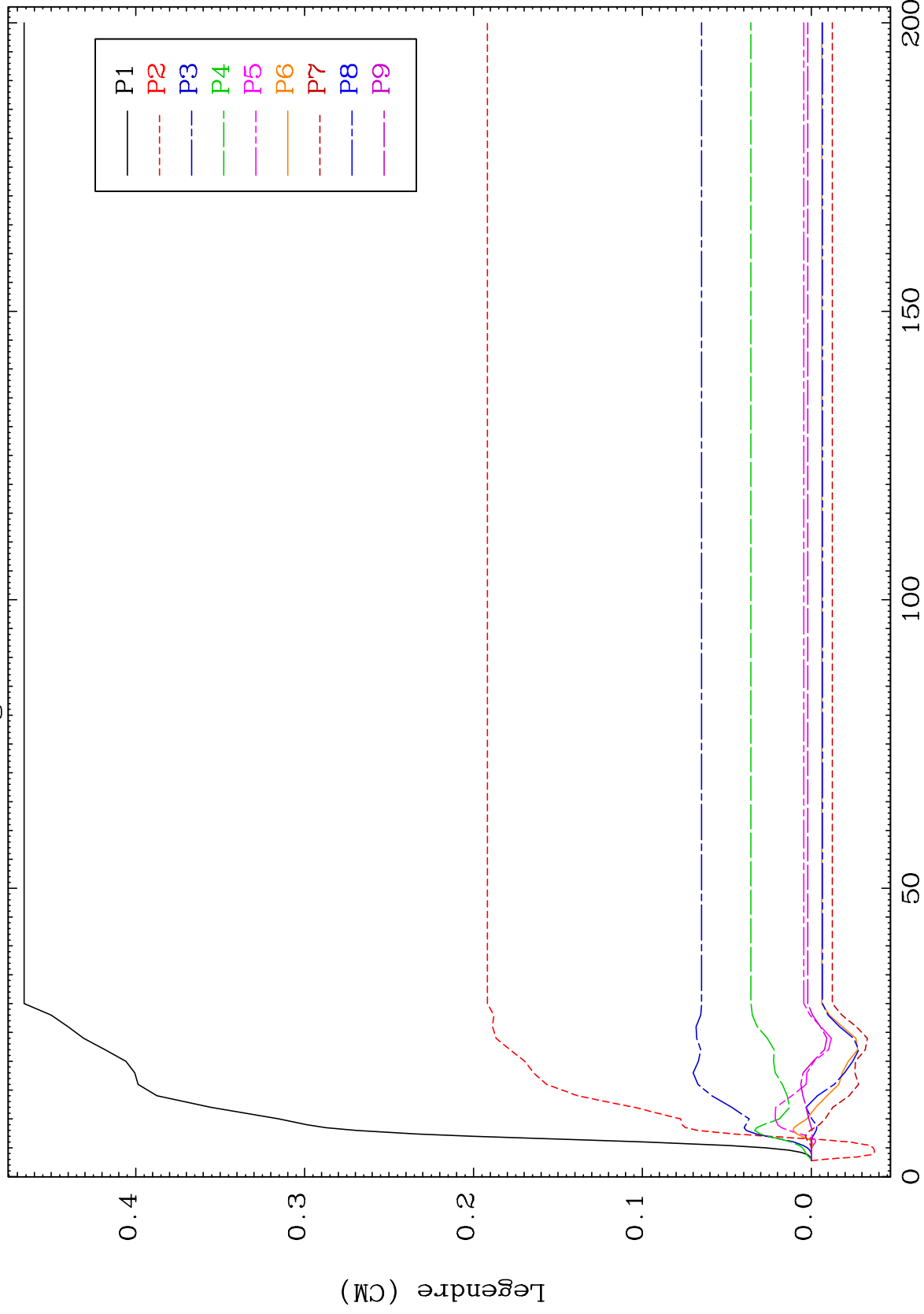




MAT 6025

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

60-Nd-142



79

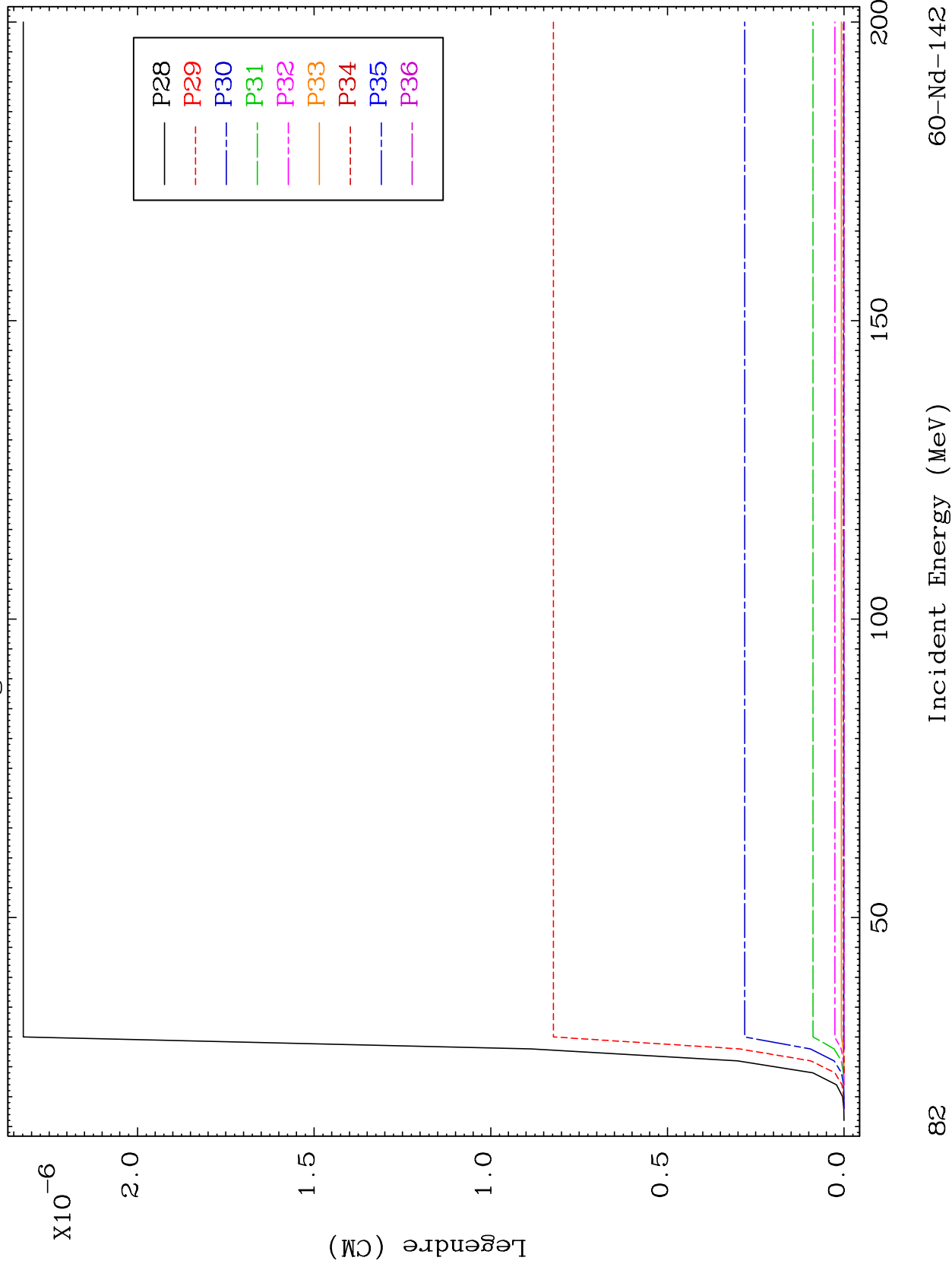
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

60-Nd-142



82

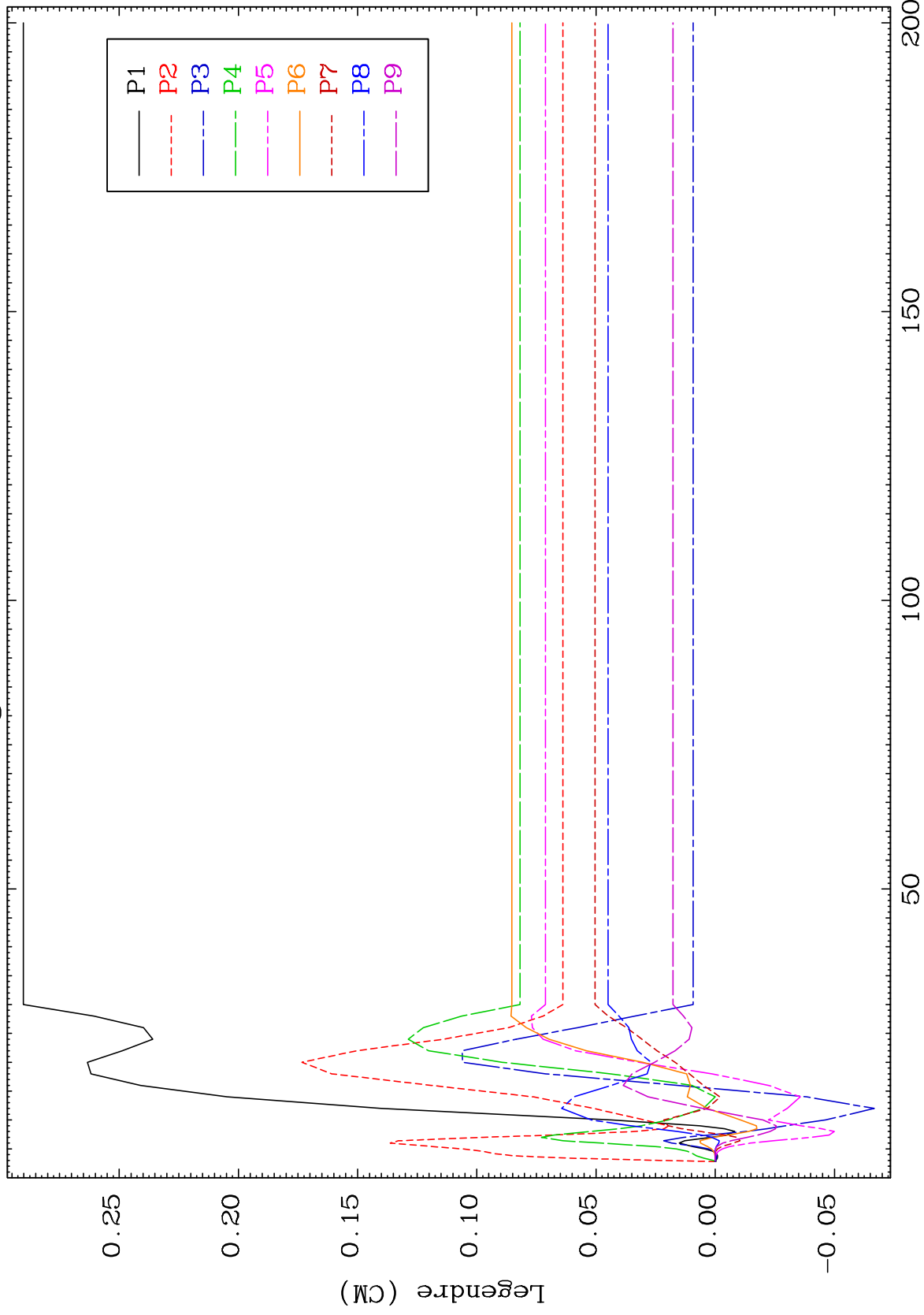
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

60-Nd-142



83

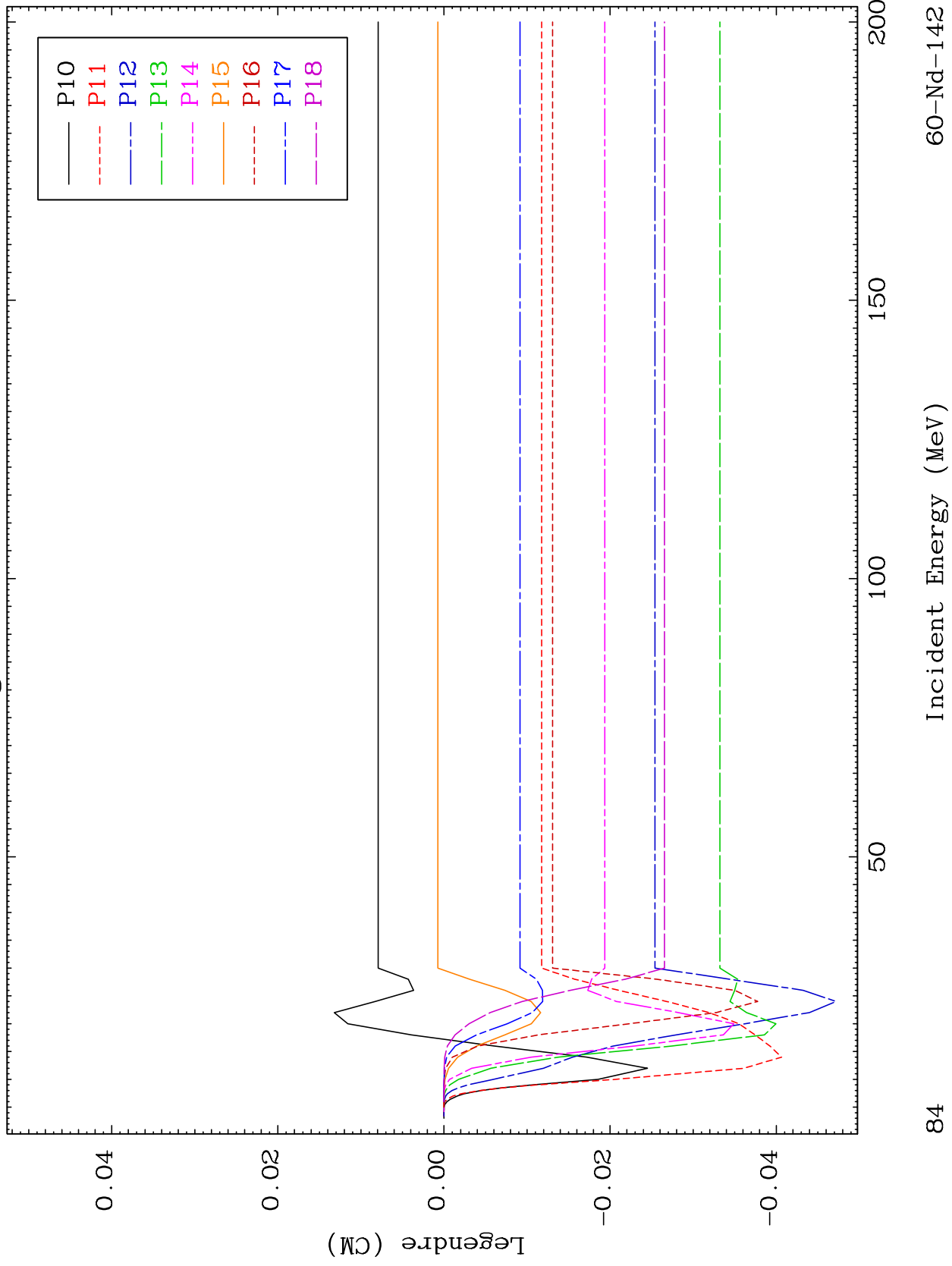
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

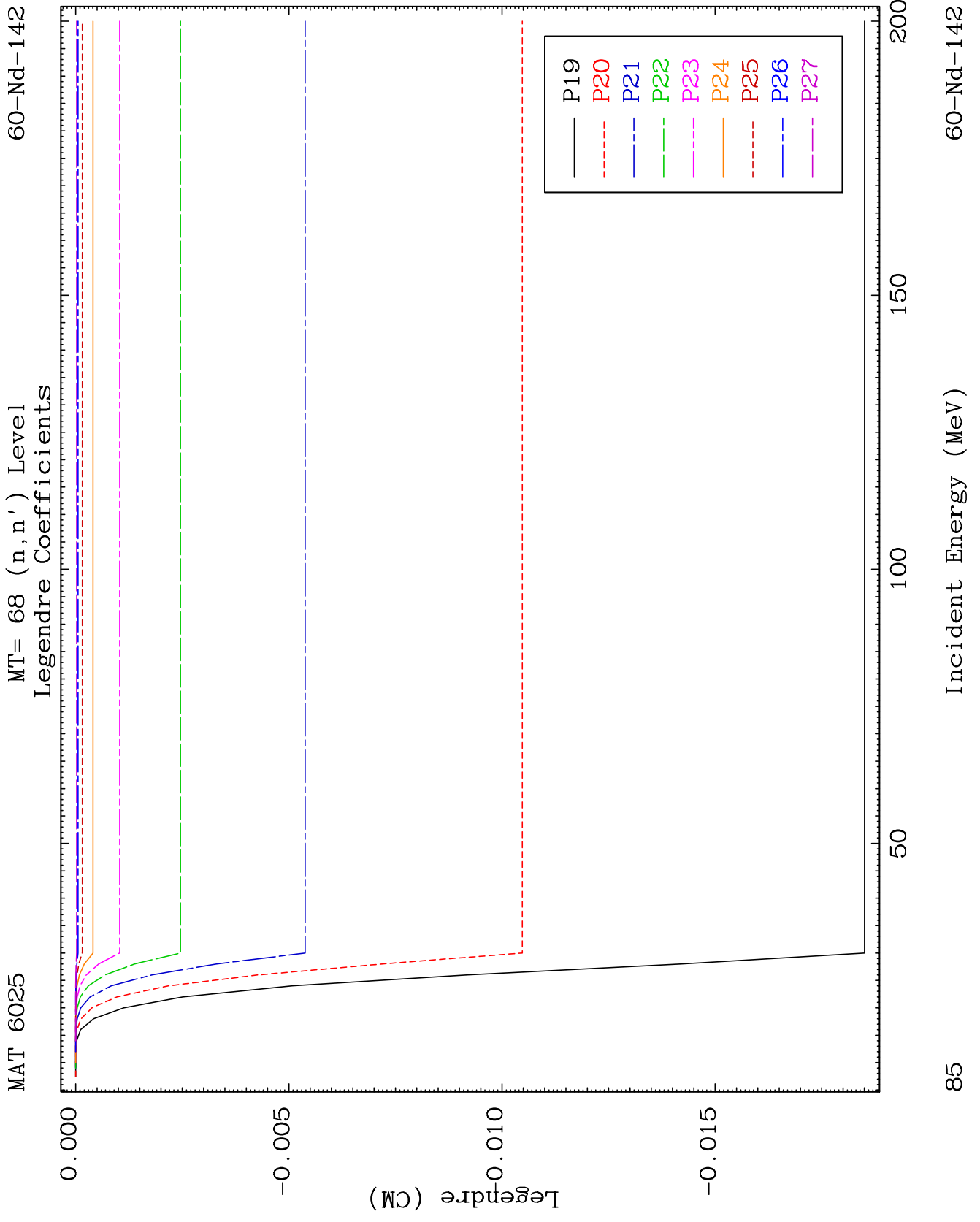
60-Nd-142

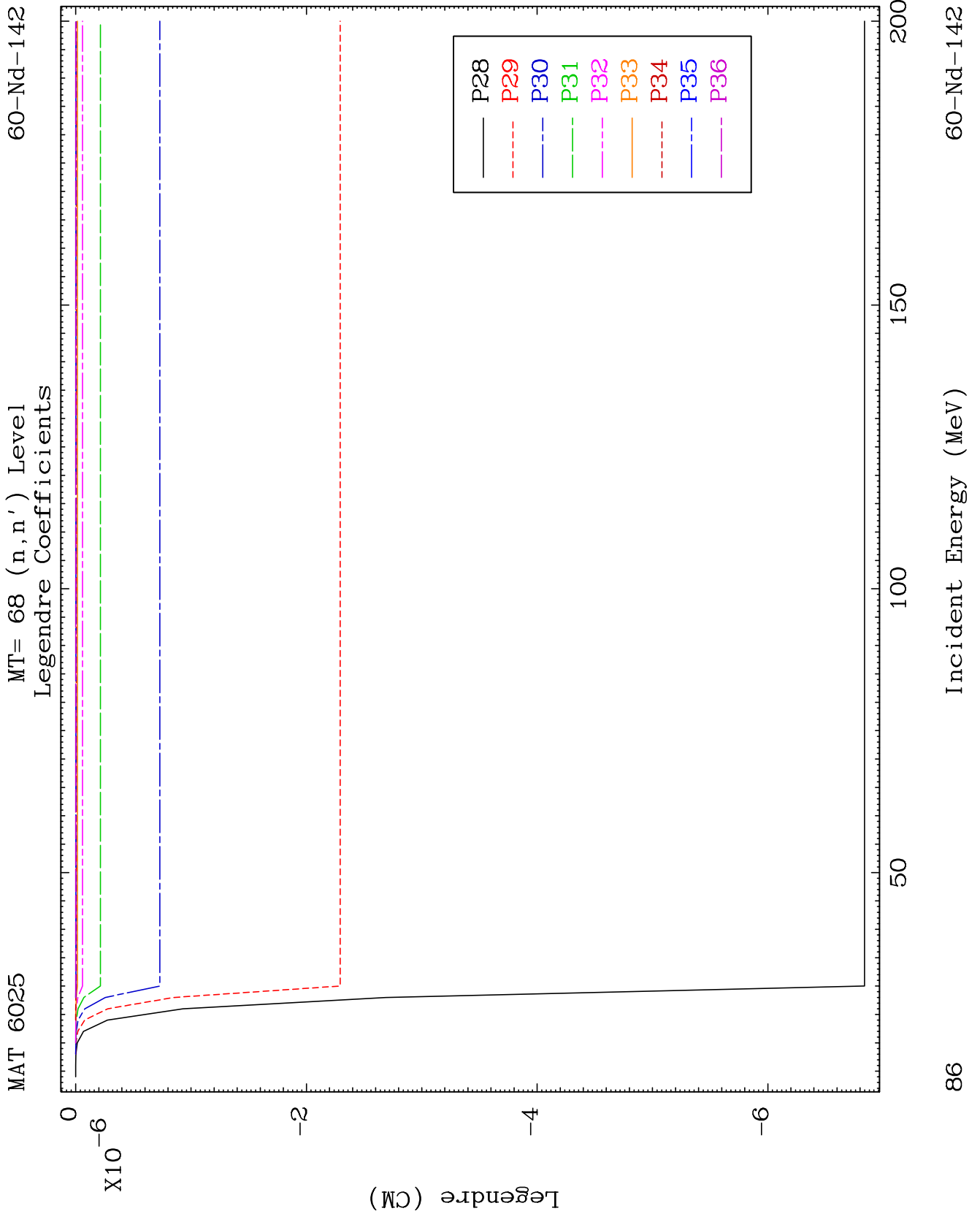


84

Incident Energy (MeV)

60-Nd-142



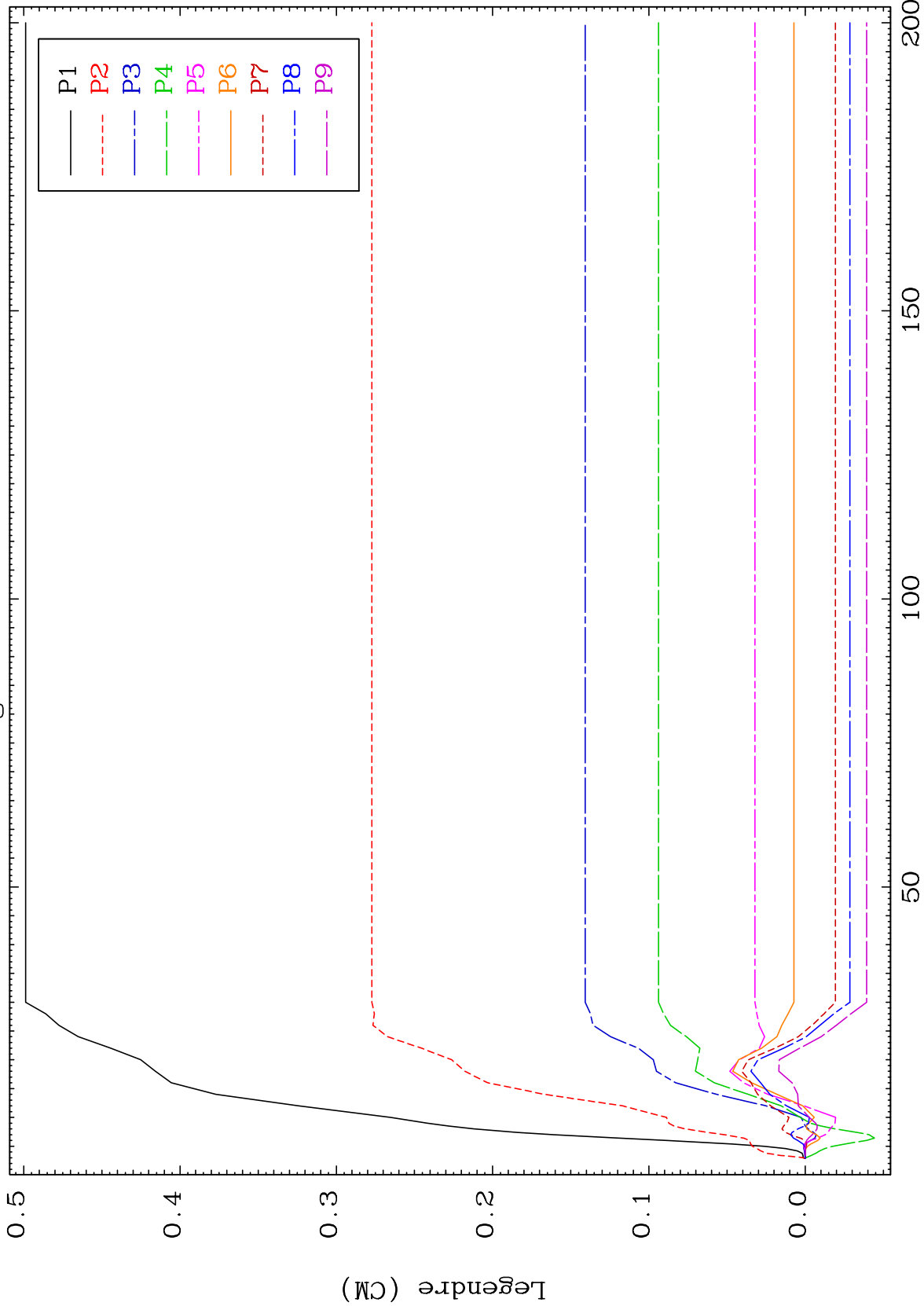


MAT 6025

MT= 69 (n,n') Level

60-Nd-142

Legendre Coefficients



87

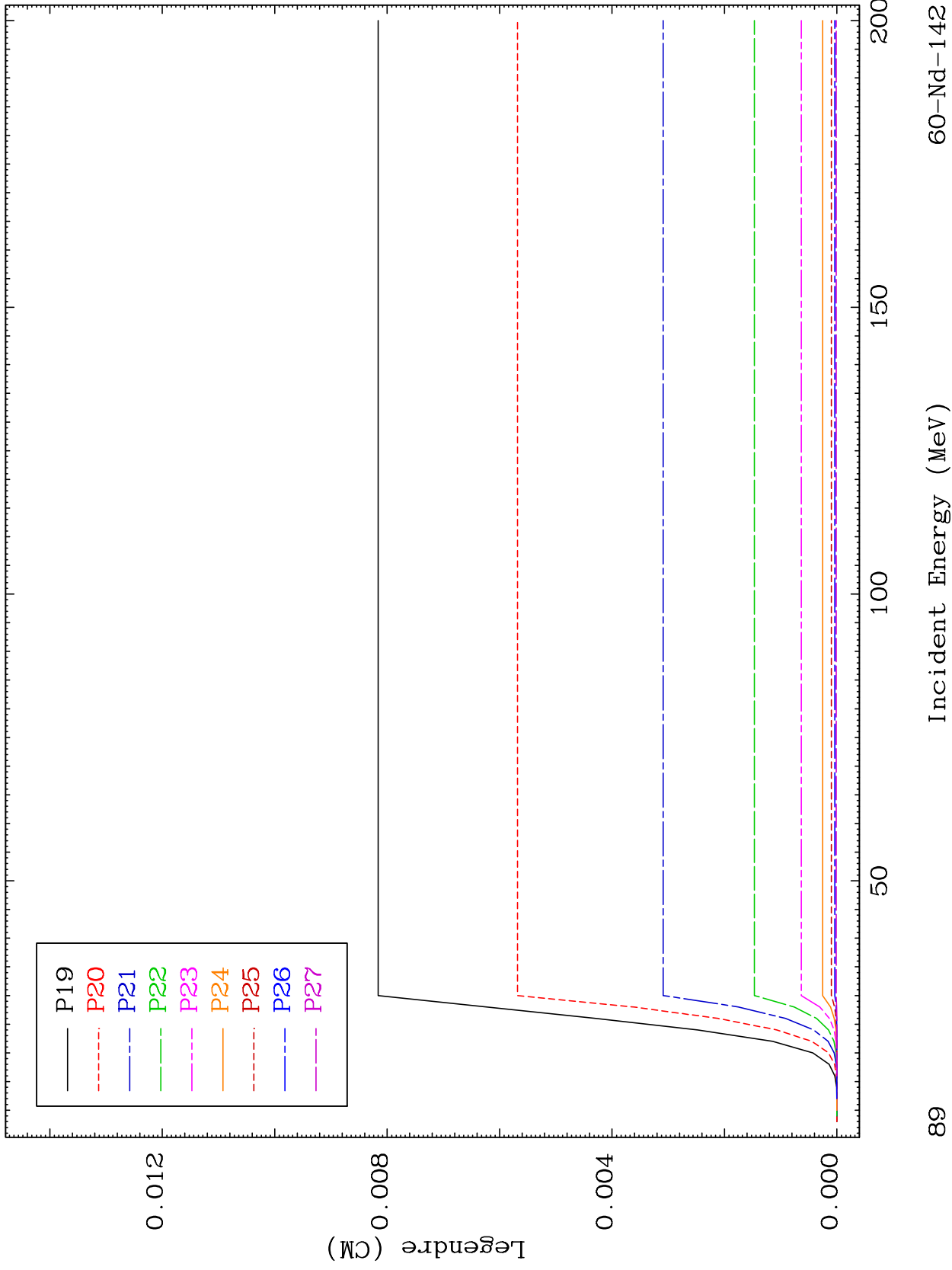
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

60-Nd-142



89

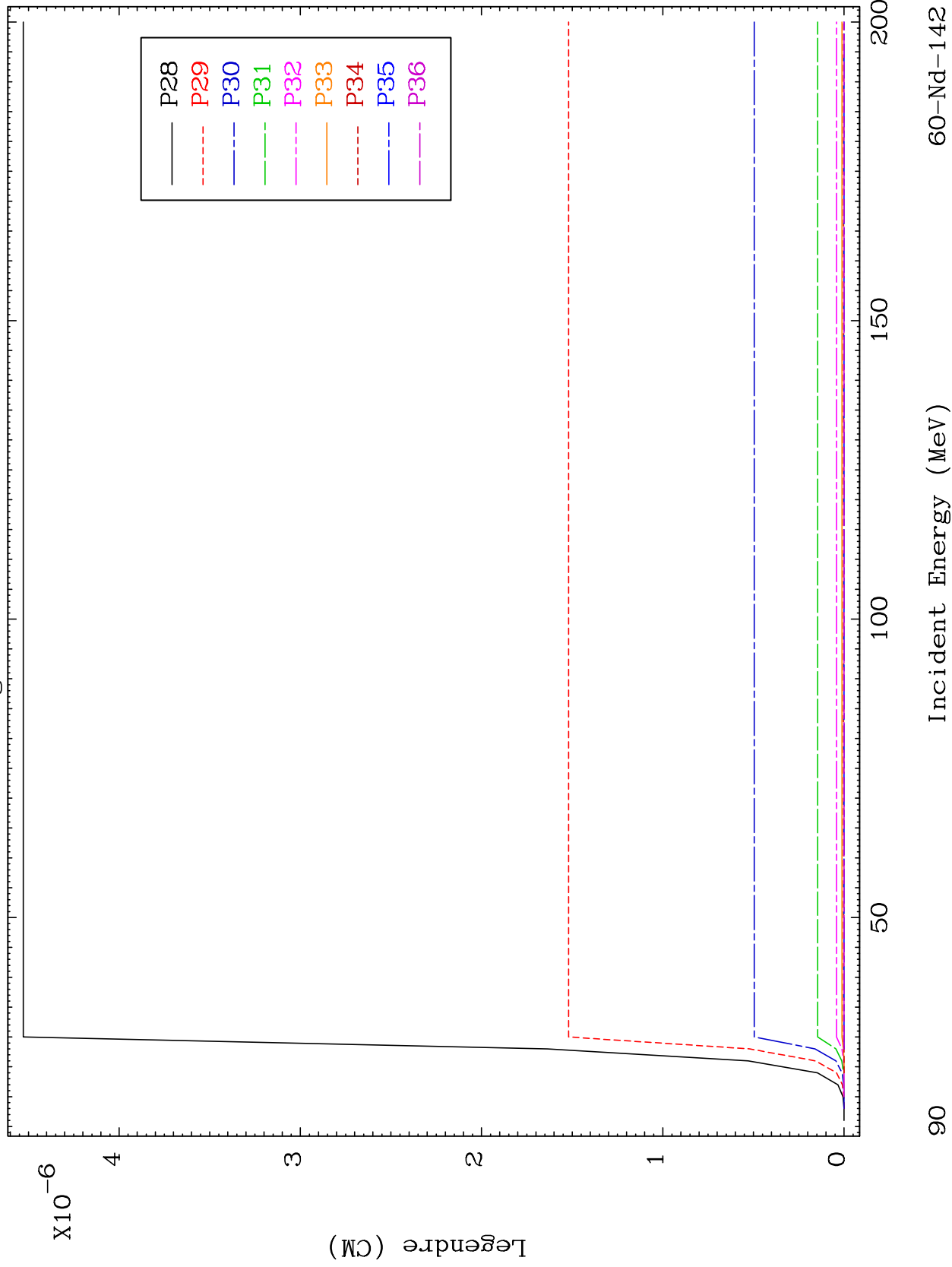
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

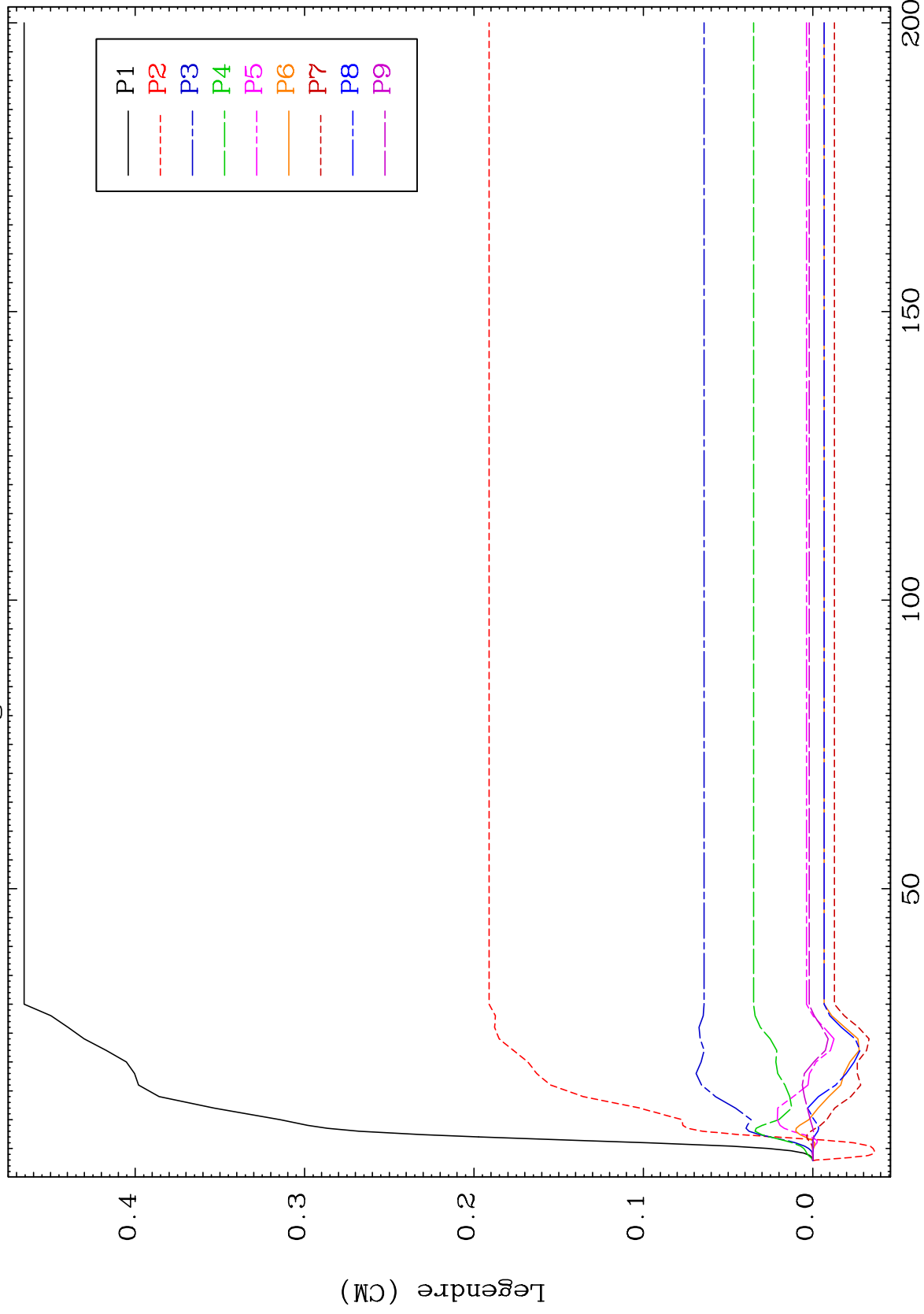
60-Nd-142



MAT 6025

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

60-Nd-142



91

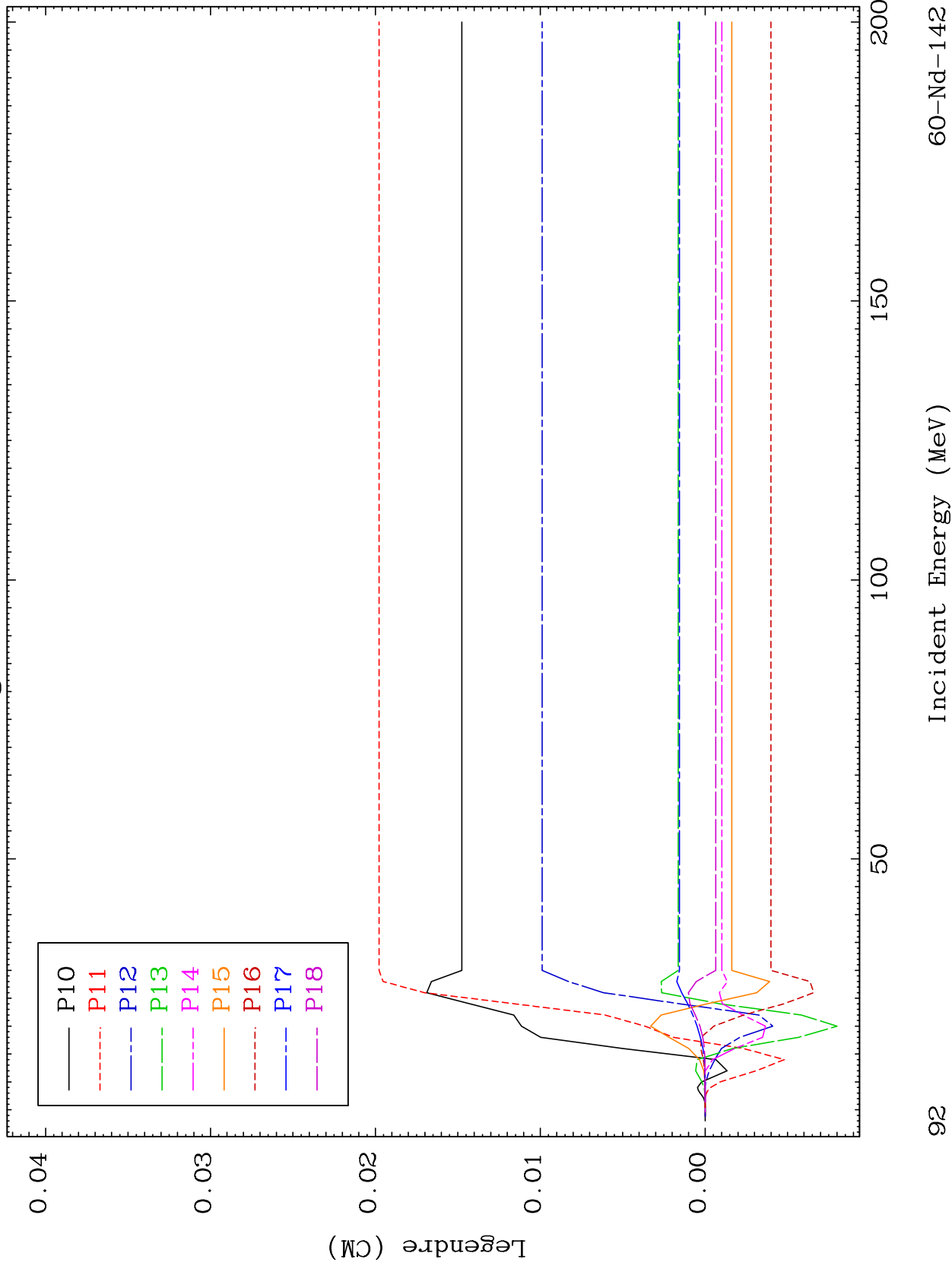
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

60-Nd-142



92

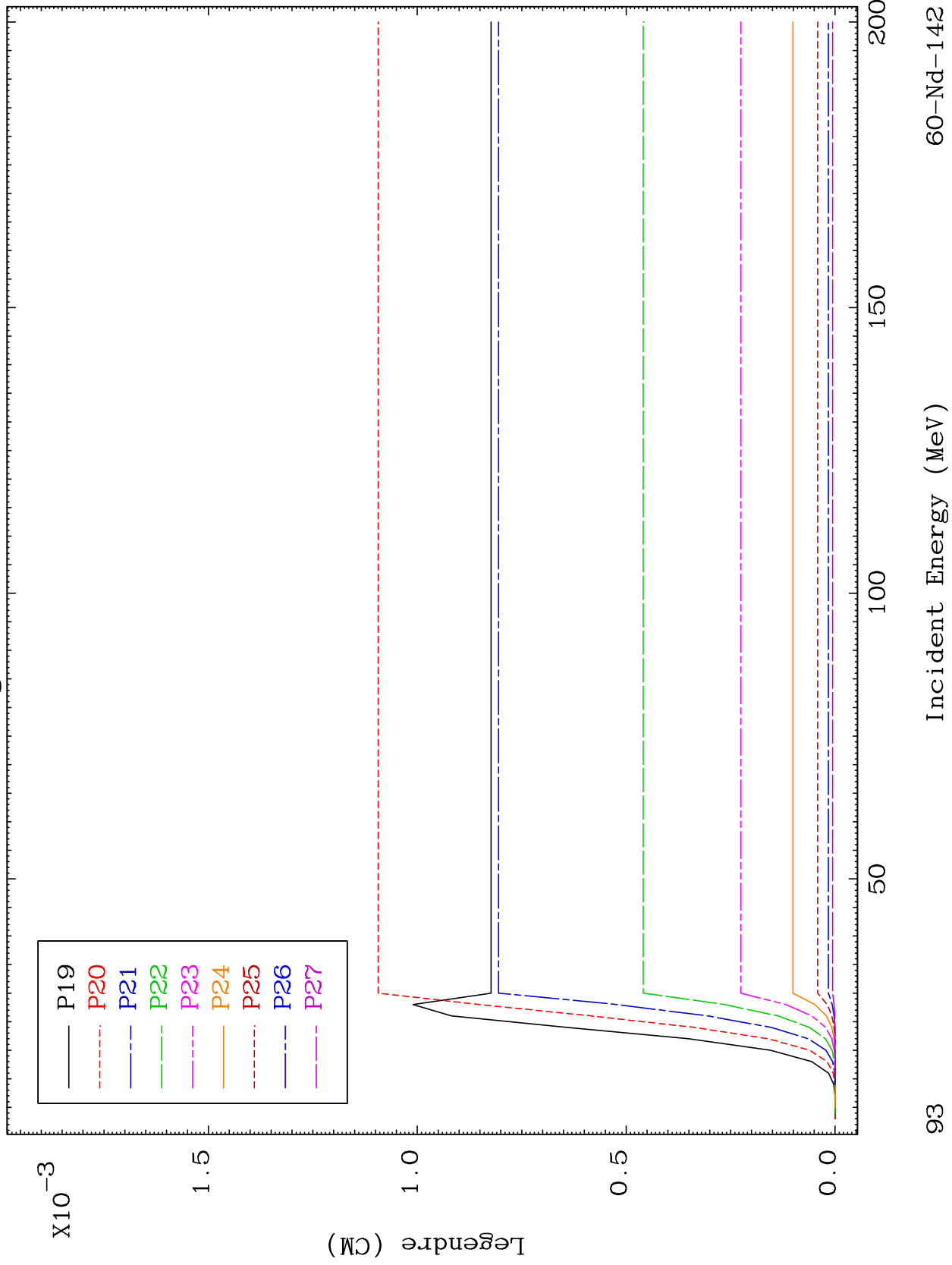
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

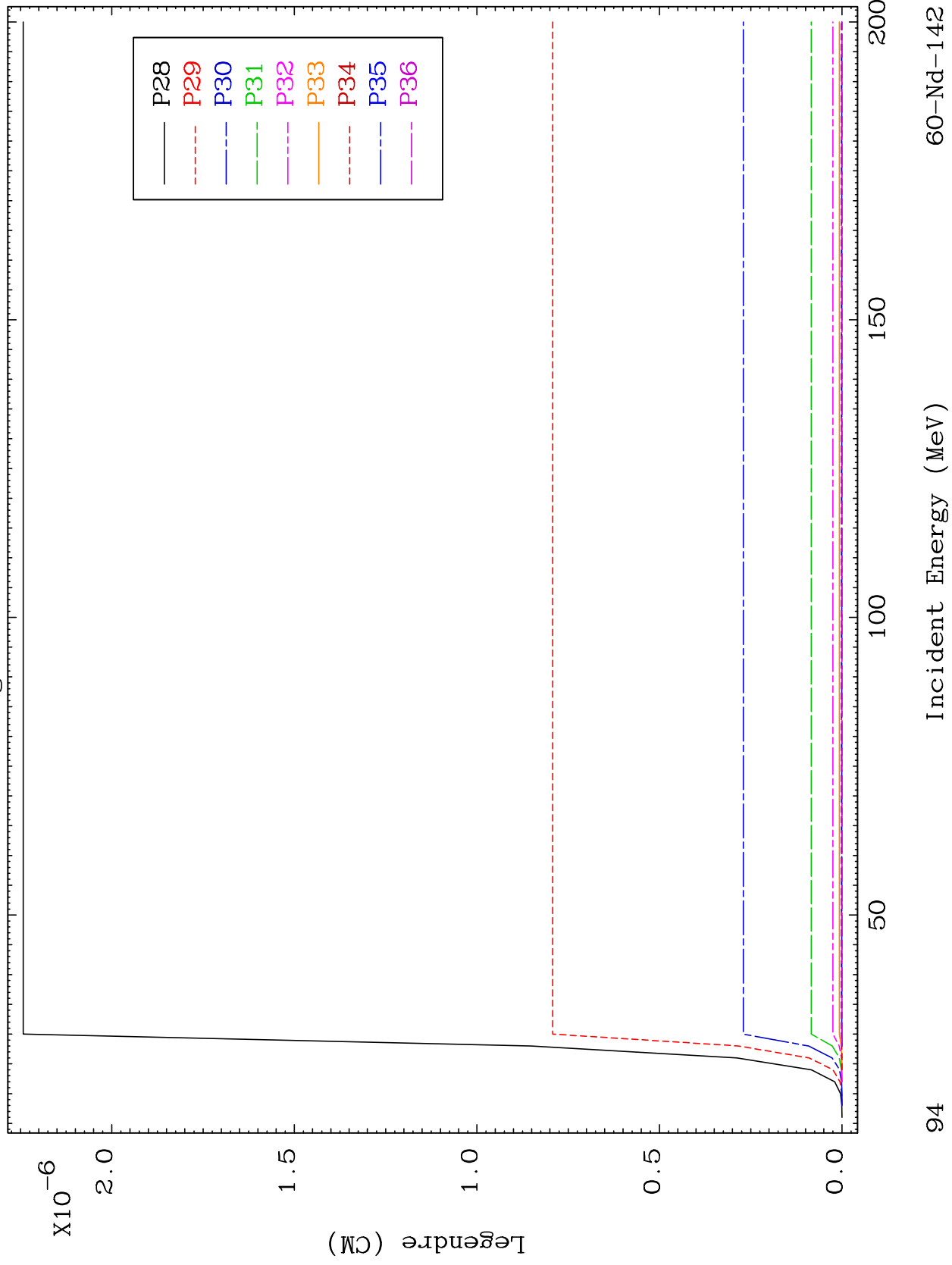
60-Nd-142



MAT 6025

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

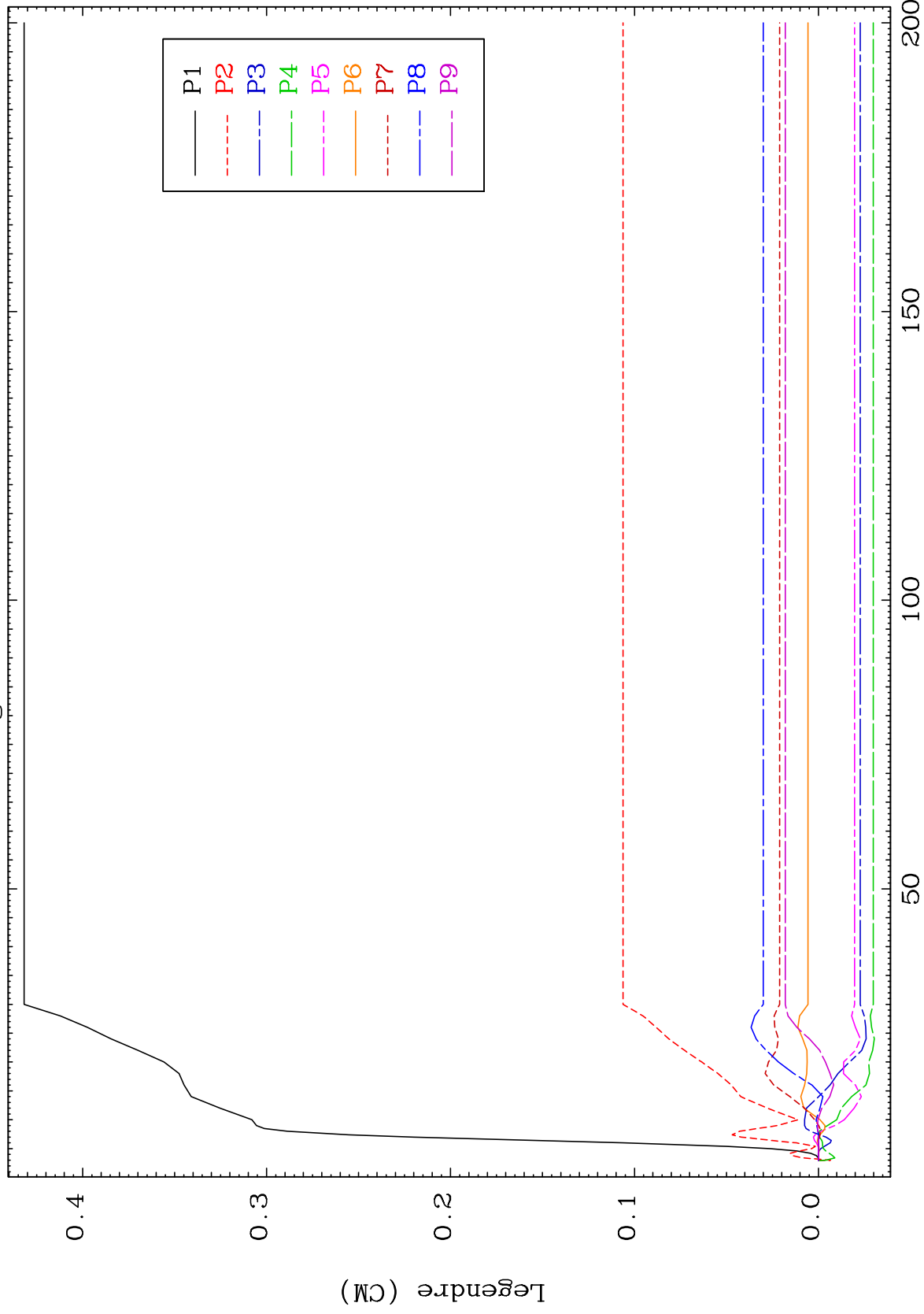
60-Nd-142



MAT 6025

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

60-Nd-142



95

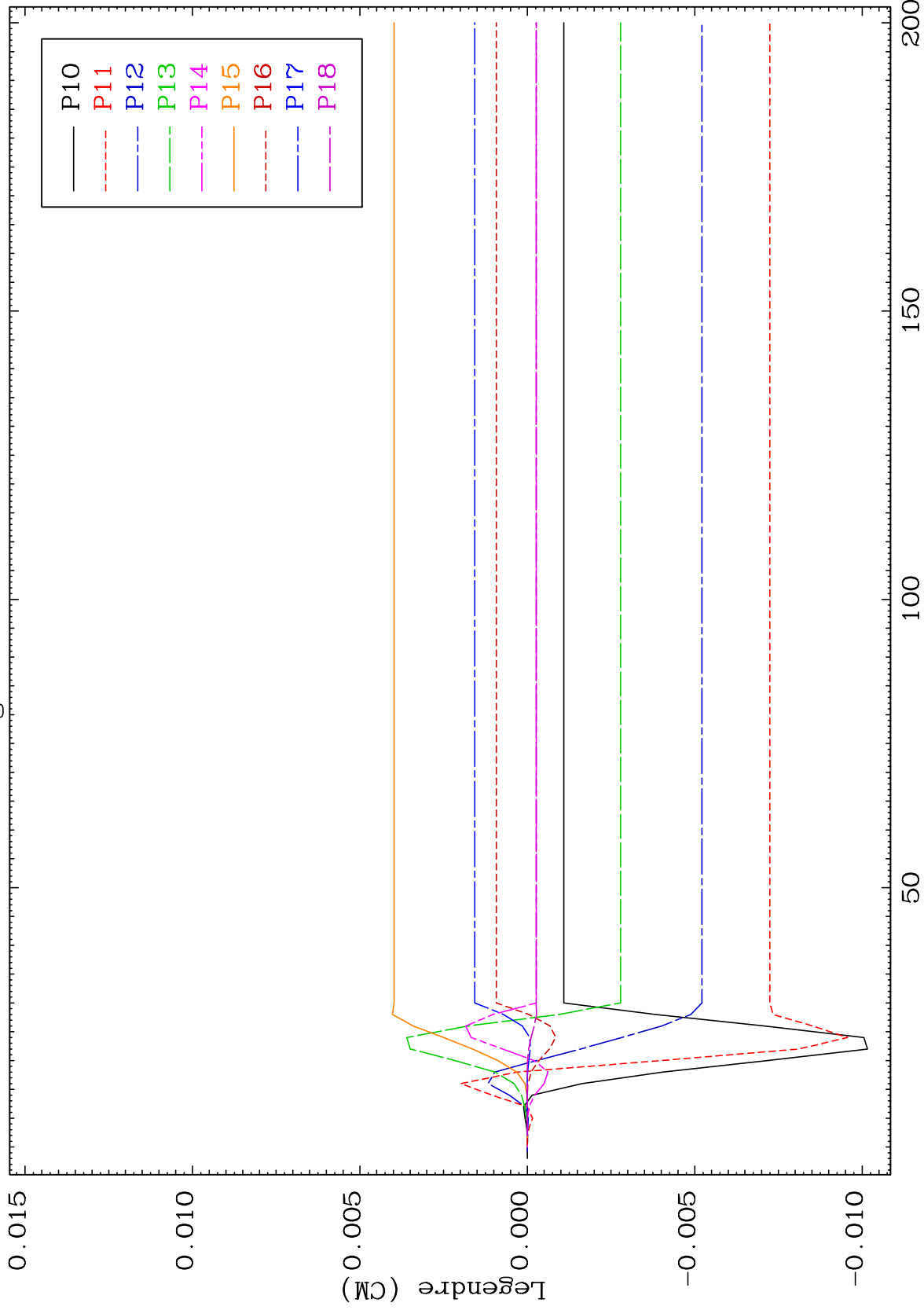
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

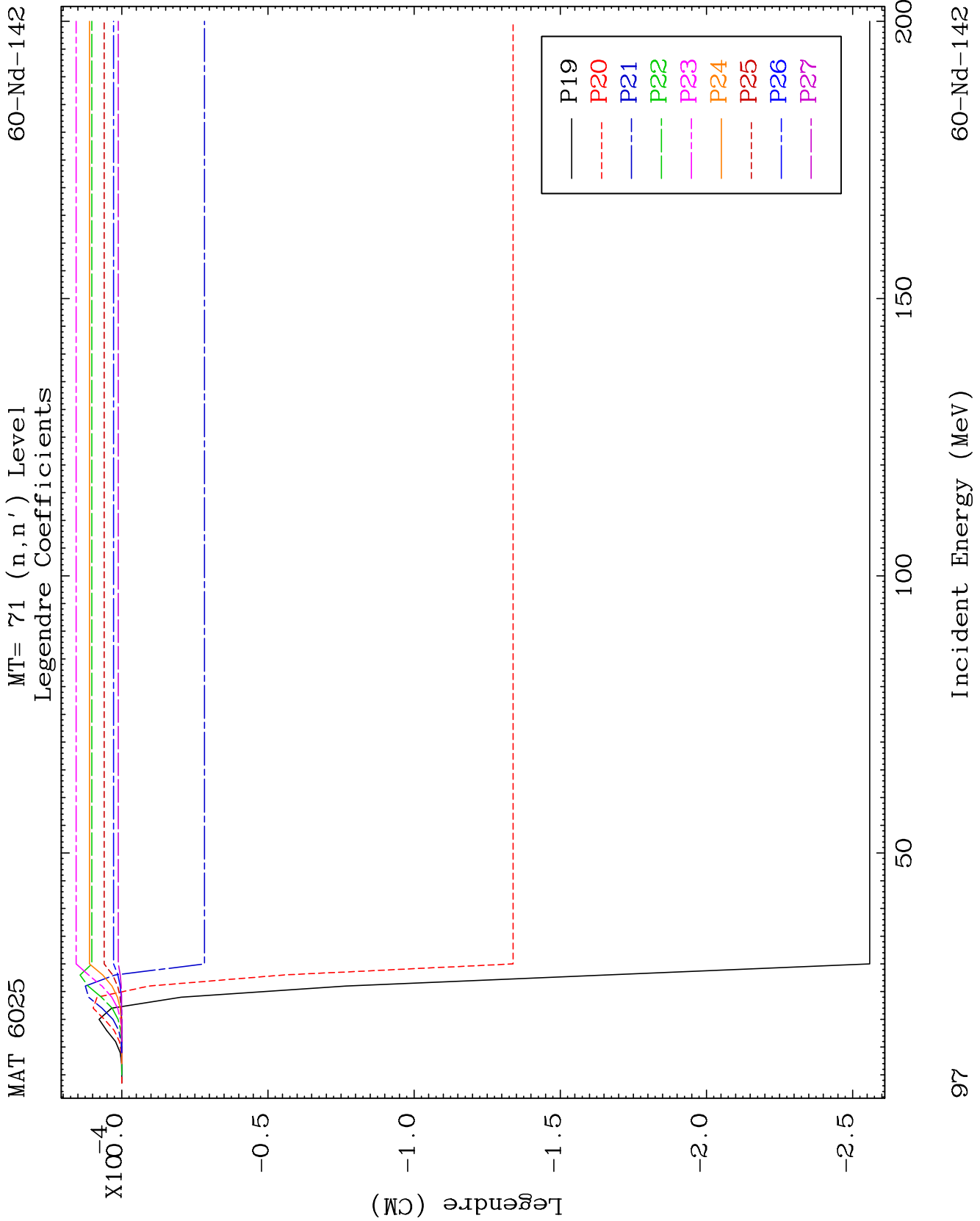
60-Nd-142



96

Incident Energy (MeV)

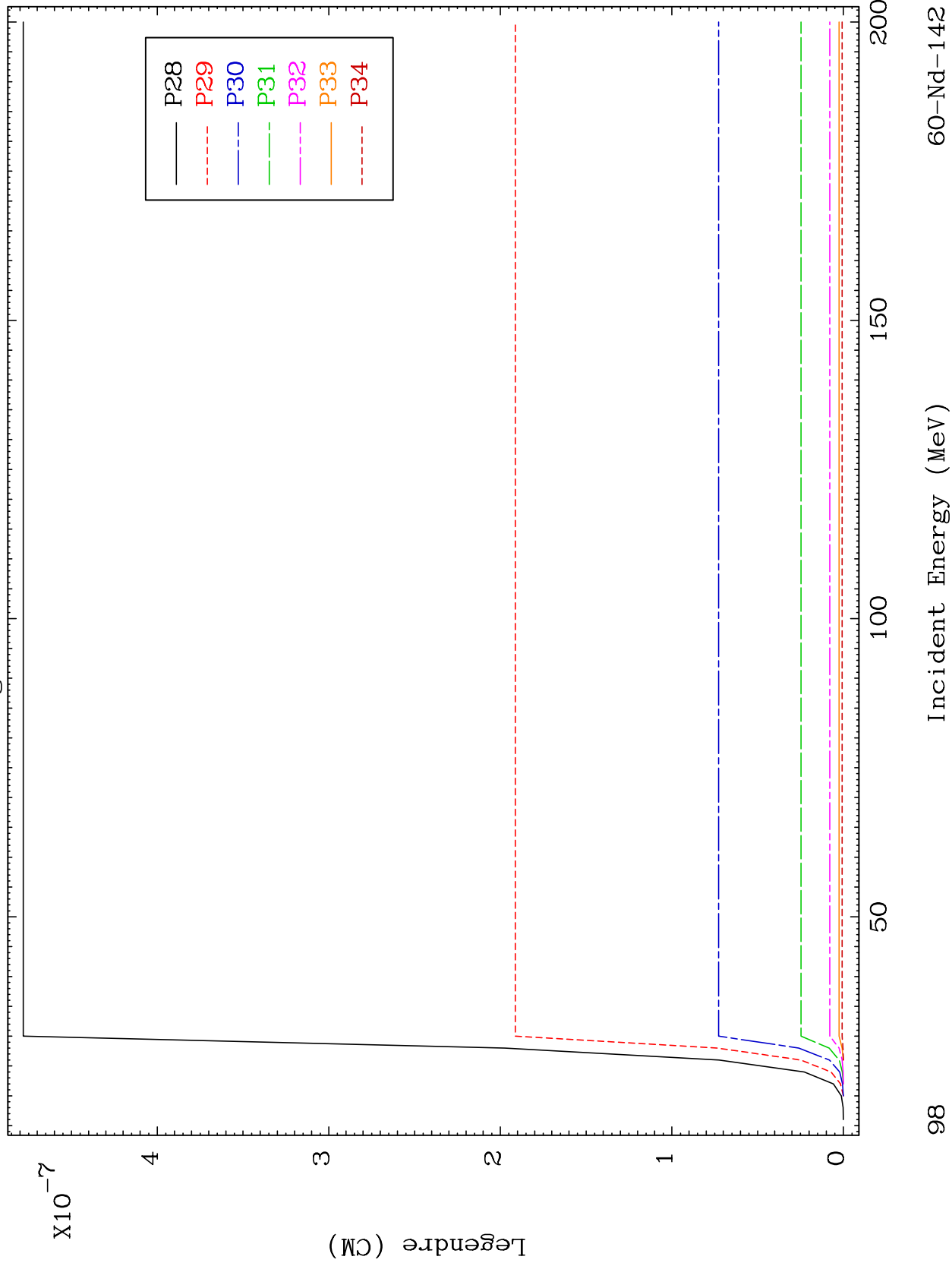
60-Nd-142



MAT 6025

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

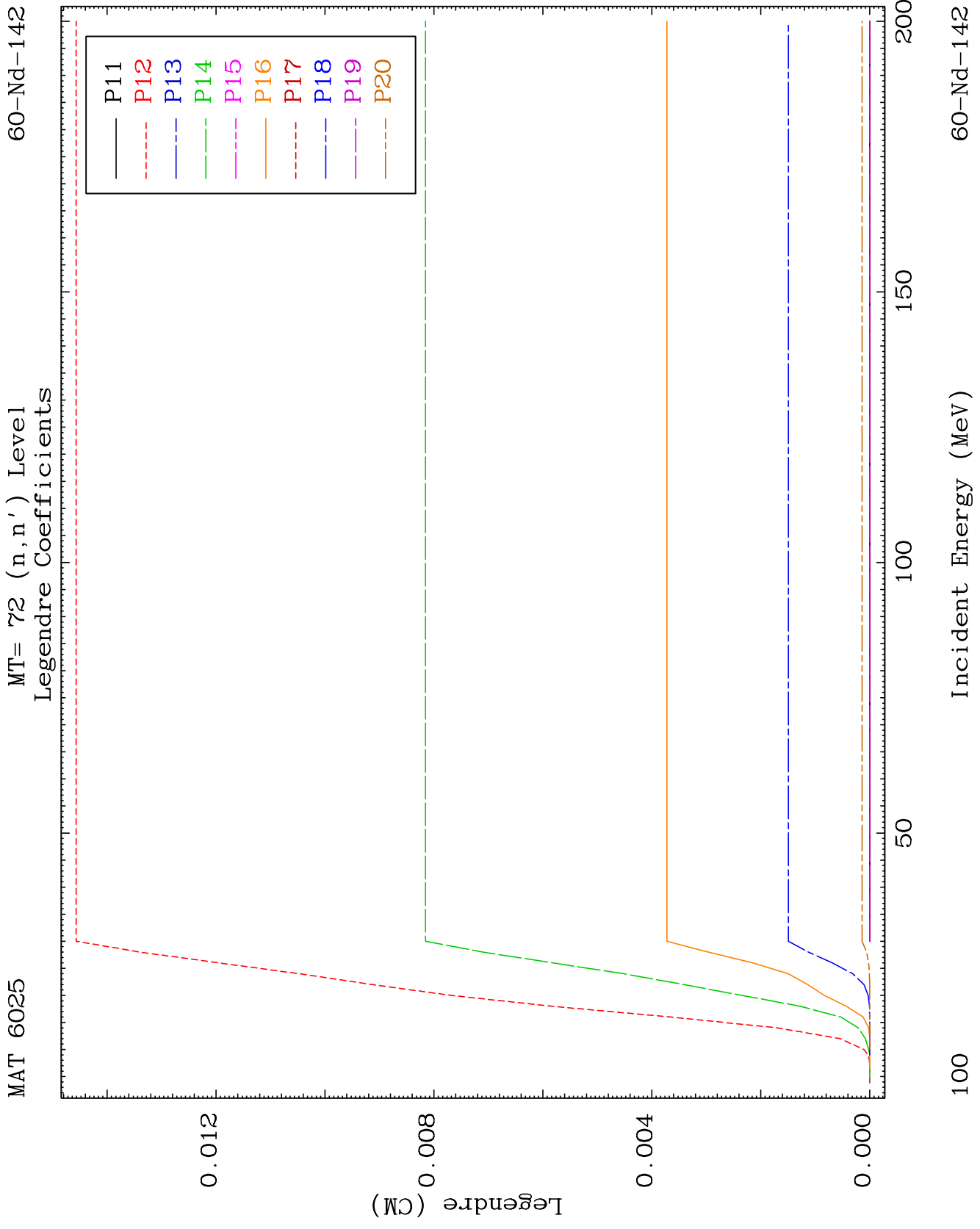
60-Nd-142

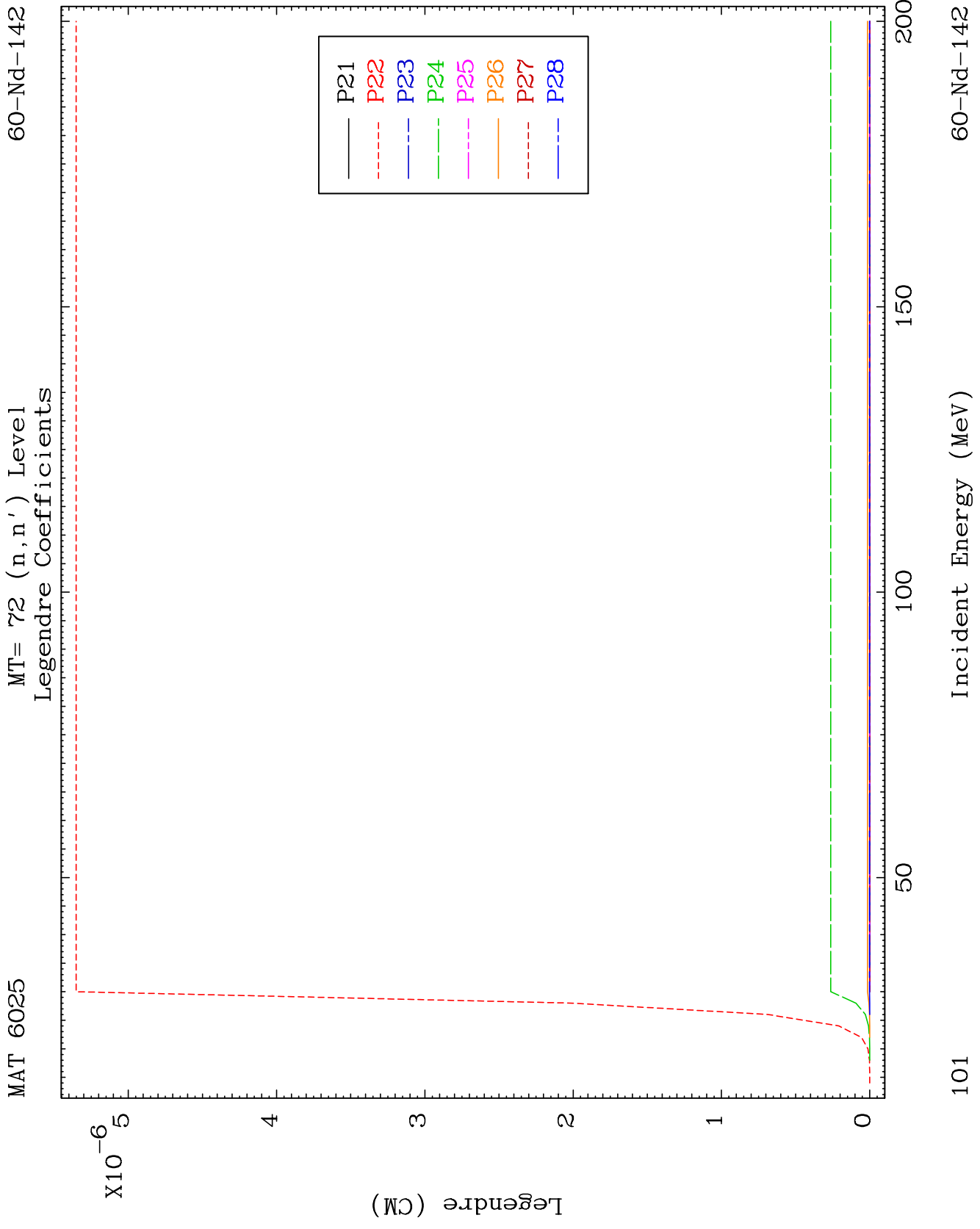


98

Incident Energy (MeV)

60-Nd-142

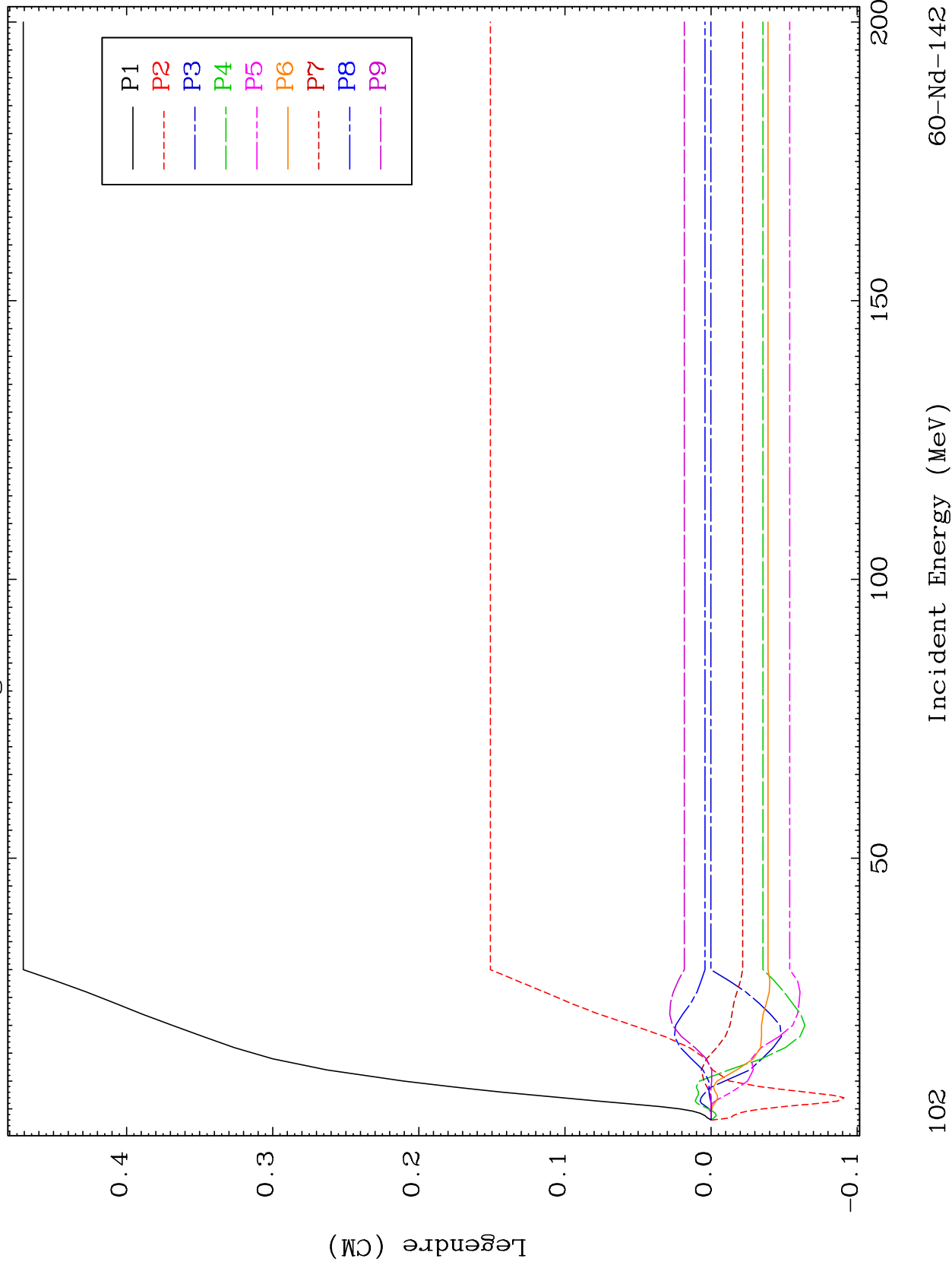




MAT 6025

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

60-Nd-142



60-Nd-142

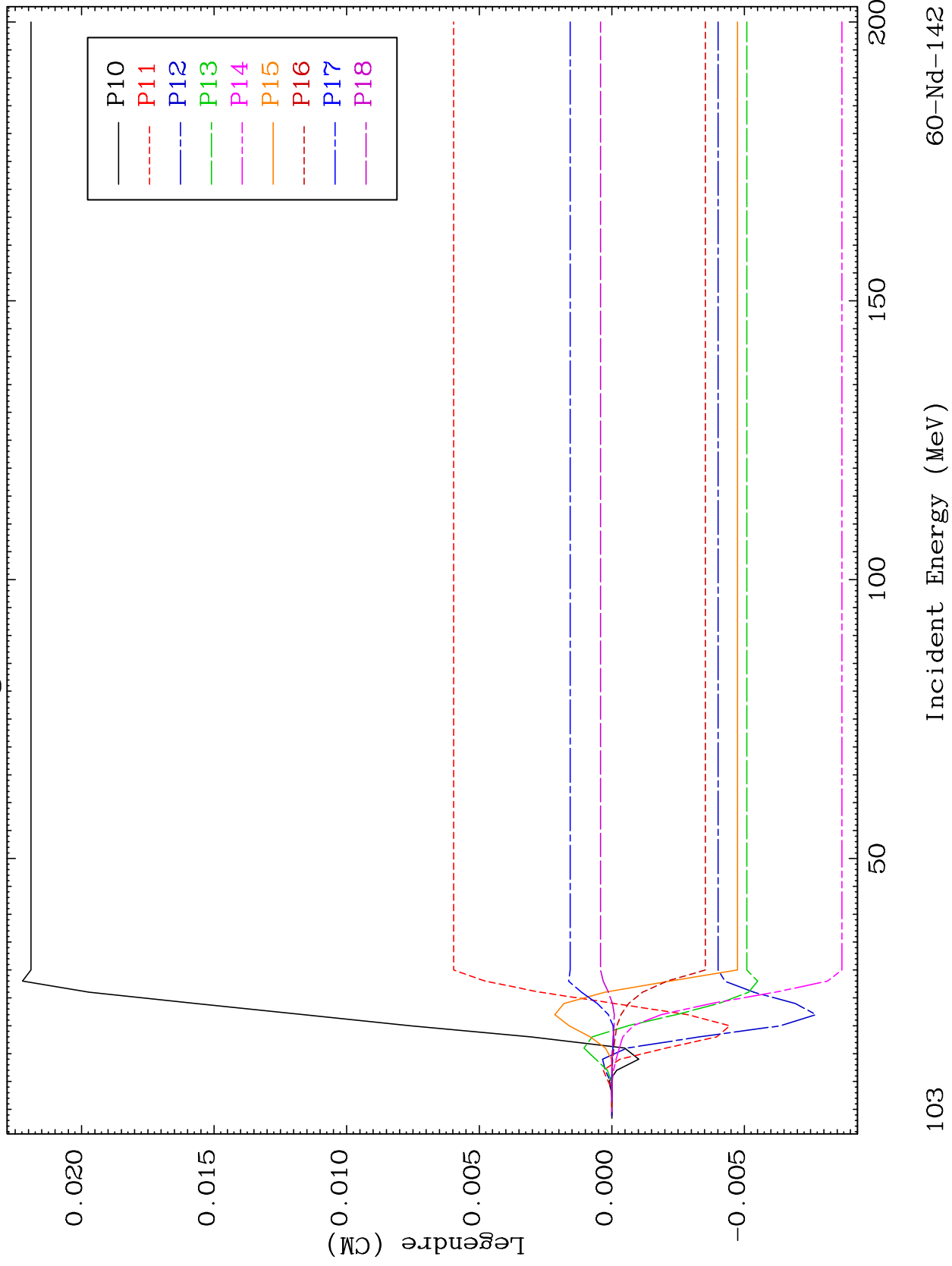
Incident Energy (MeV)

102

MAT 6025

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

60-Nd-142



103

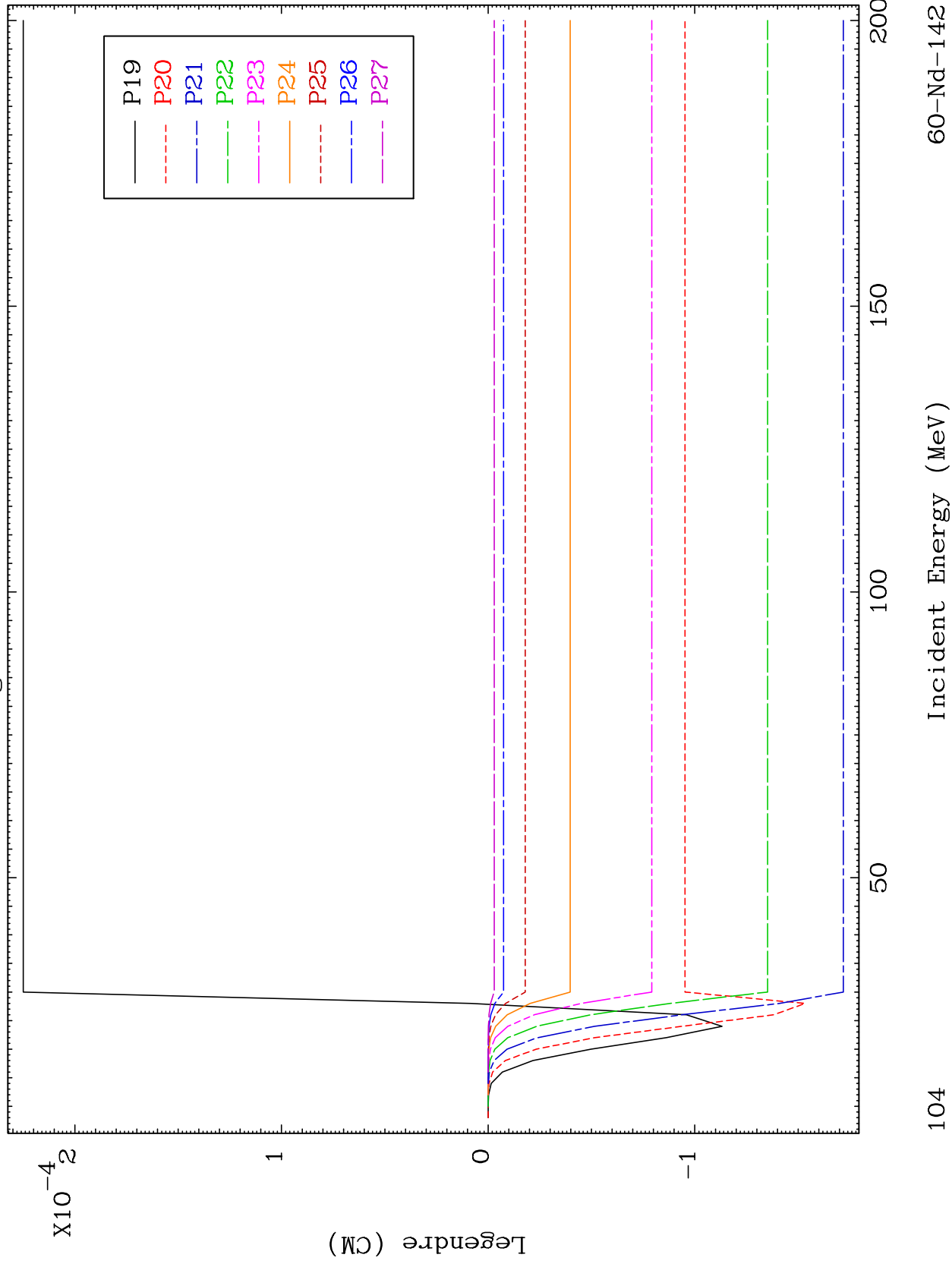
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

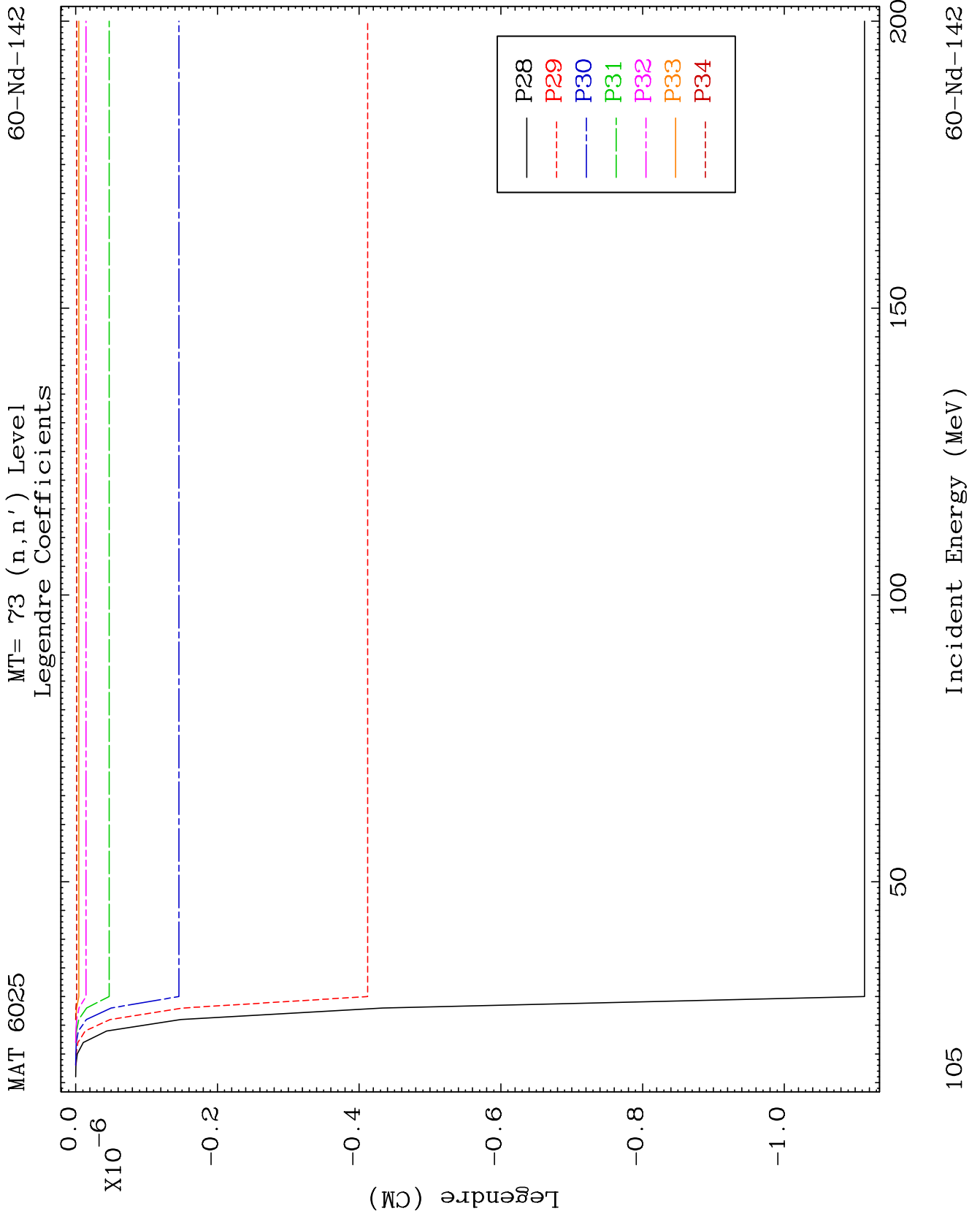
60-Nd-142

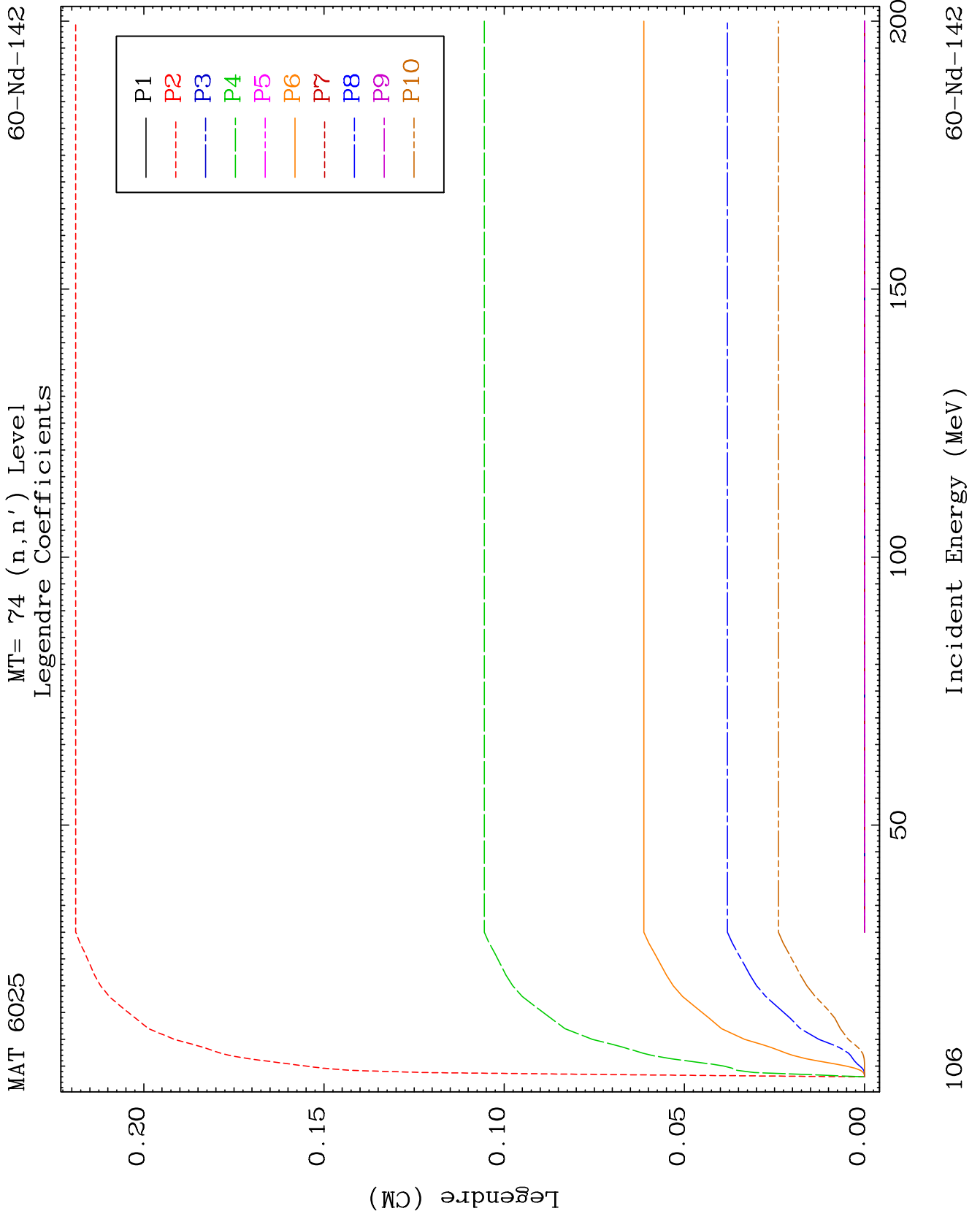


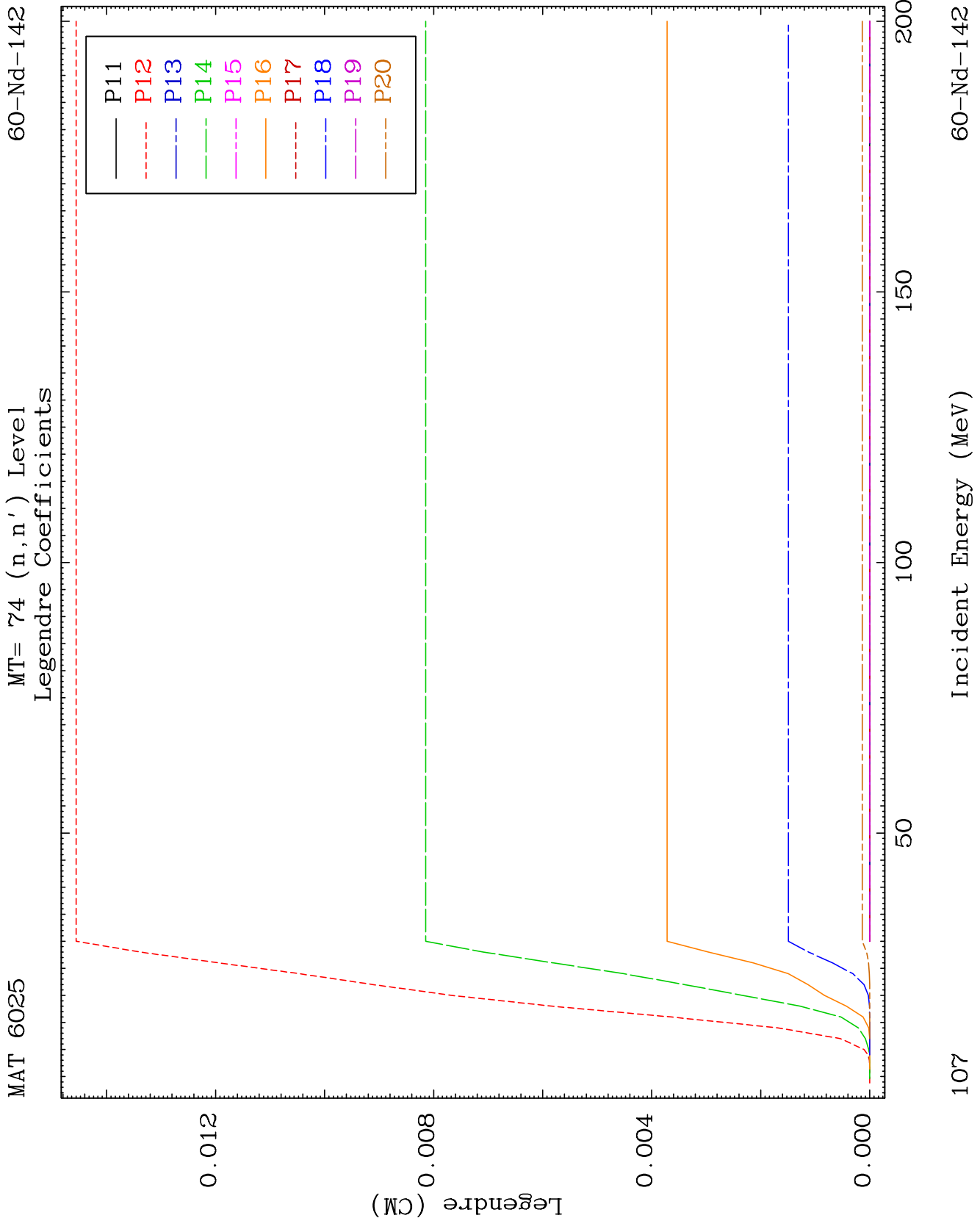
104

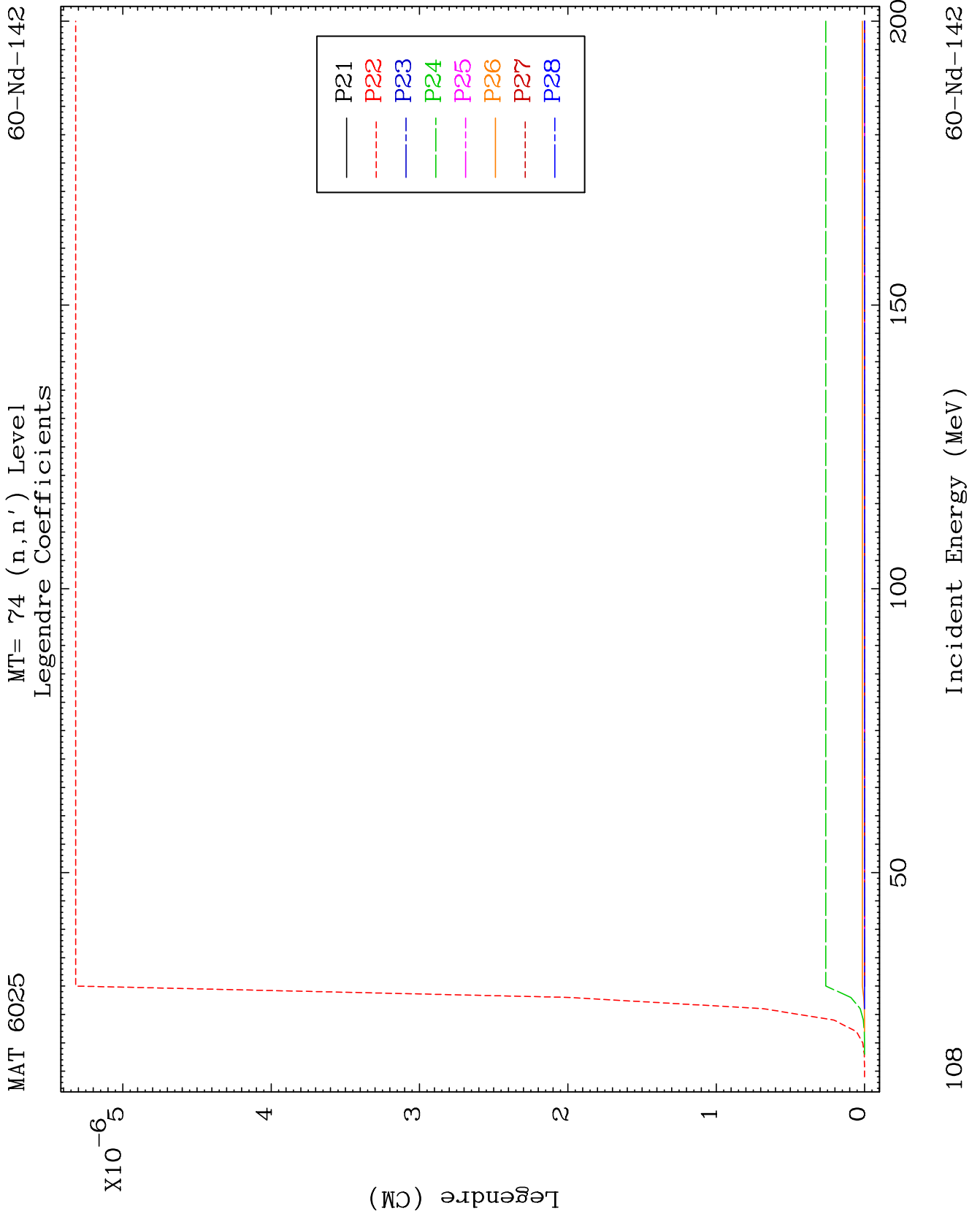
Incident Energy (MeV)

60-Nd-142





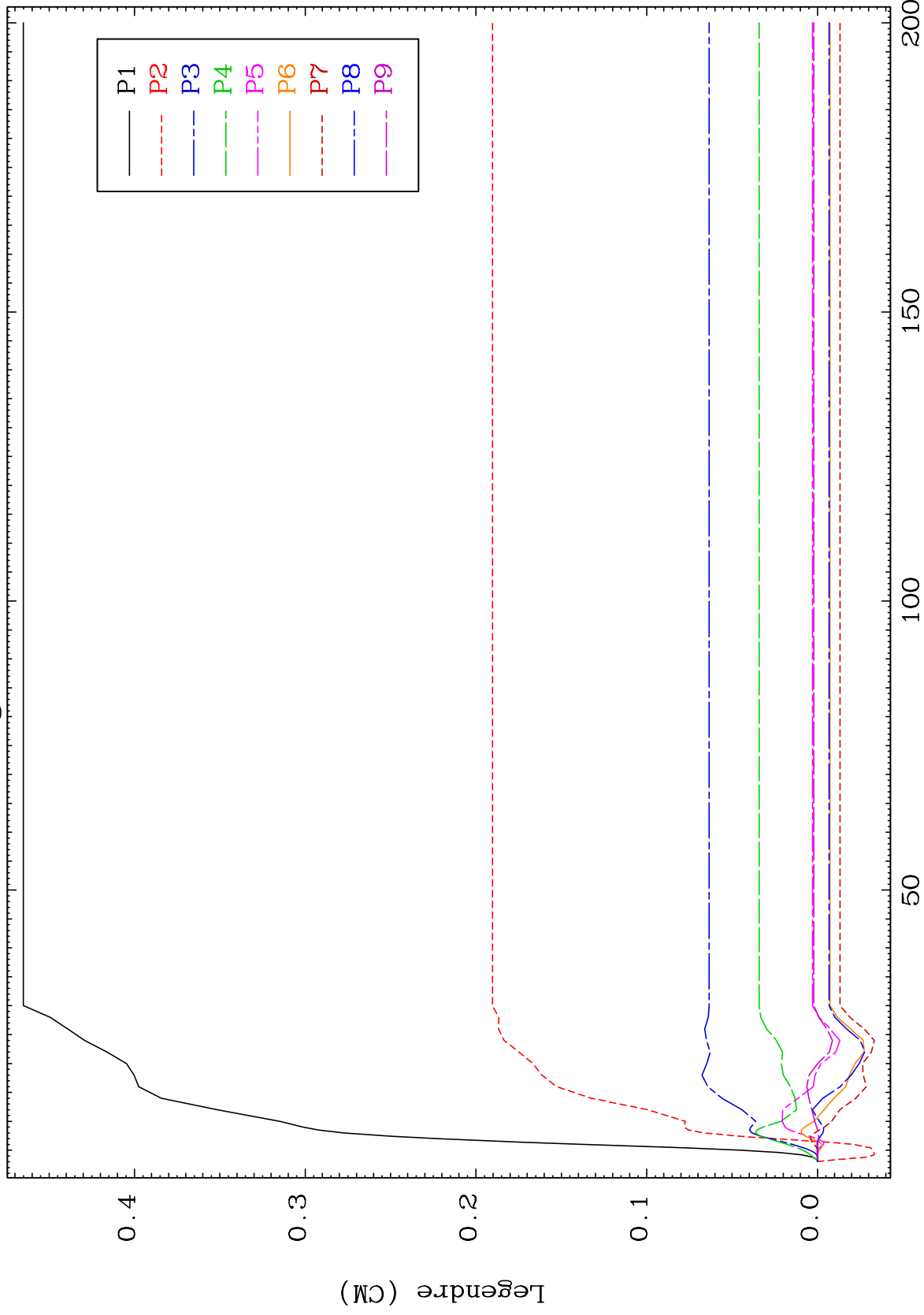




MAT 6025

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

60-Nd-142



109

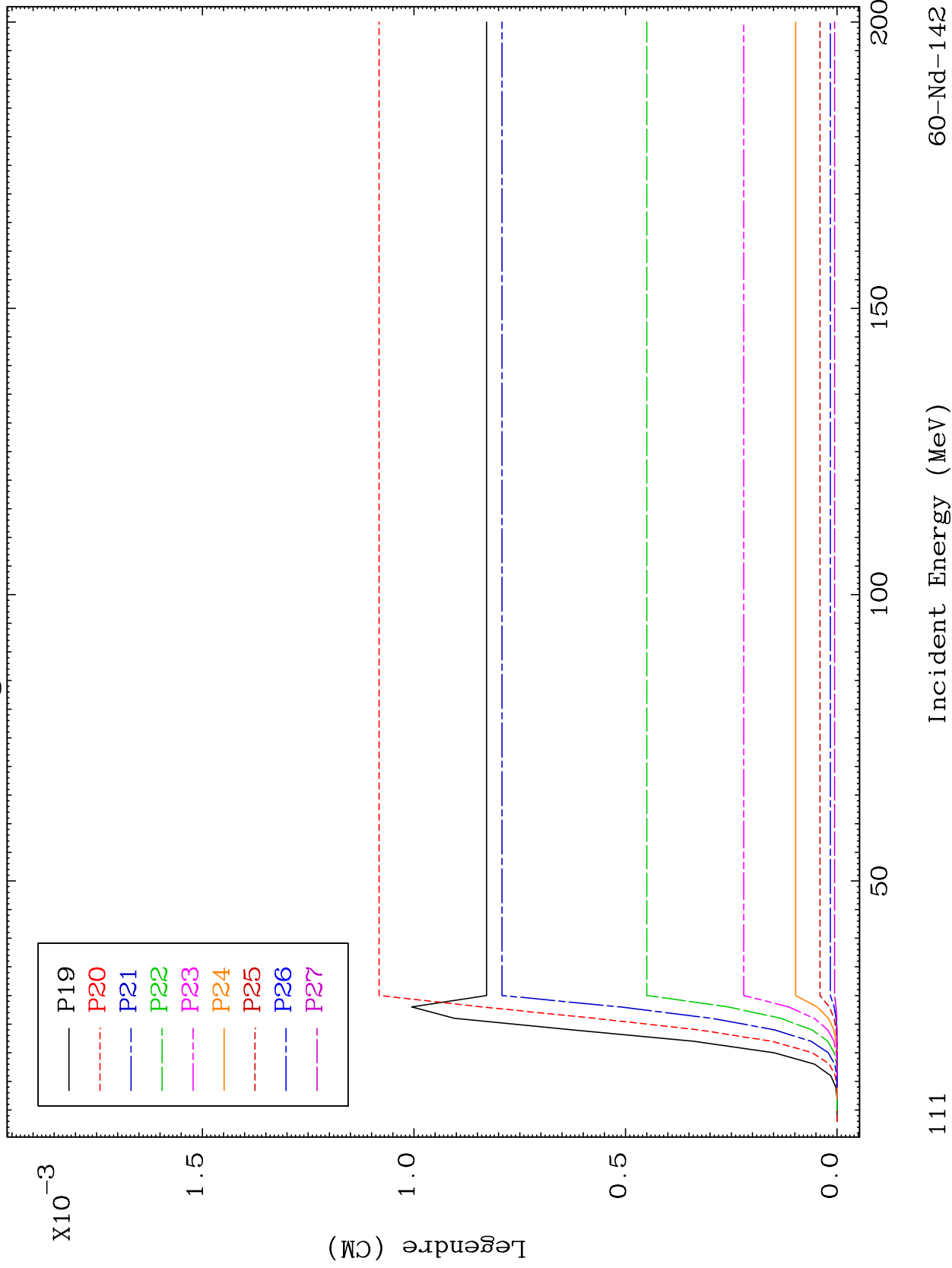
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

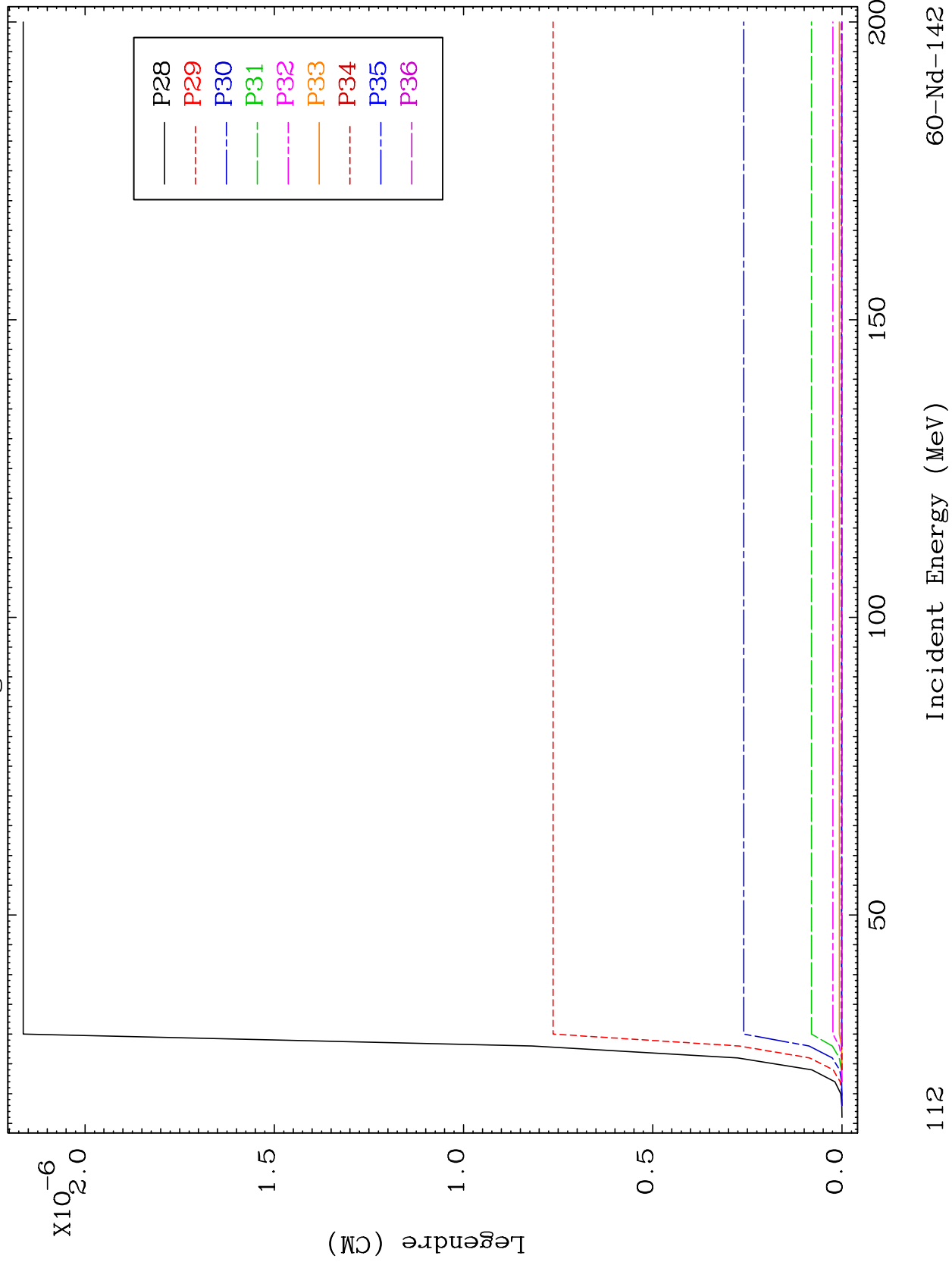
60-Nd-142



MAT 6025

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

60-Nd-142

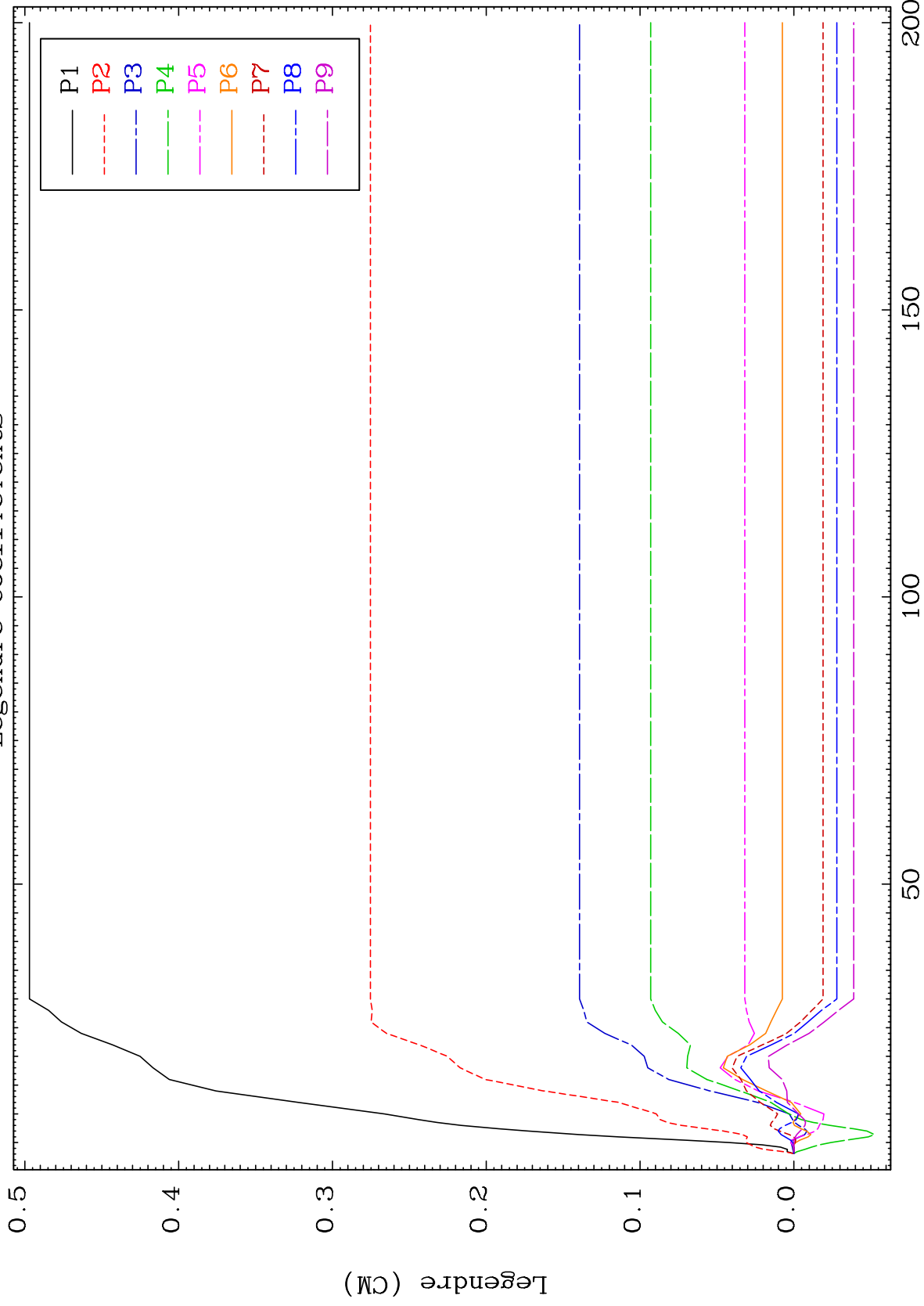


112

MAT 6025

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

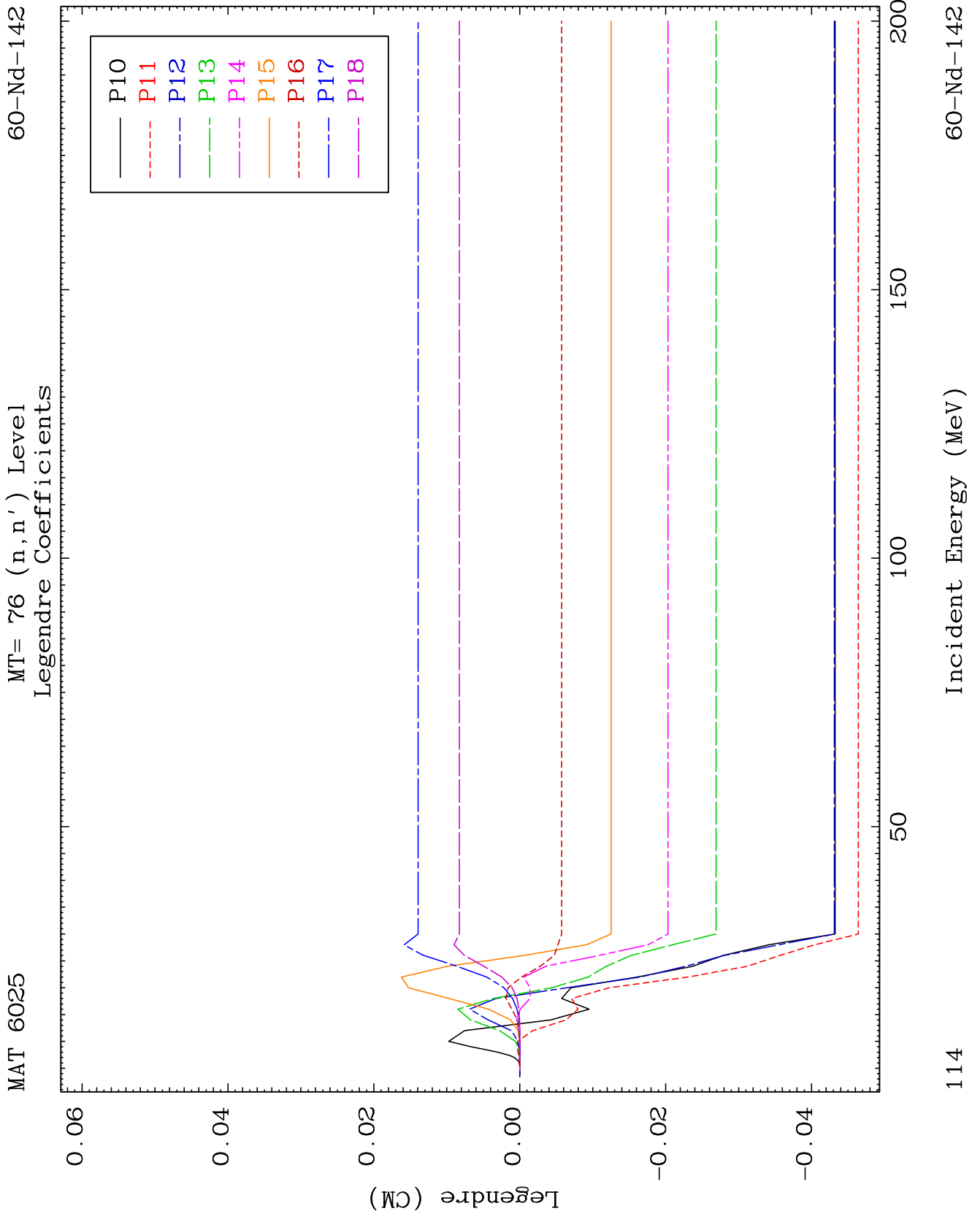
60-Nd-142



113

Incident Energy (MeV)

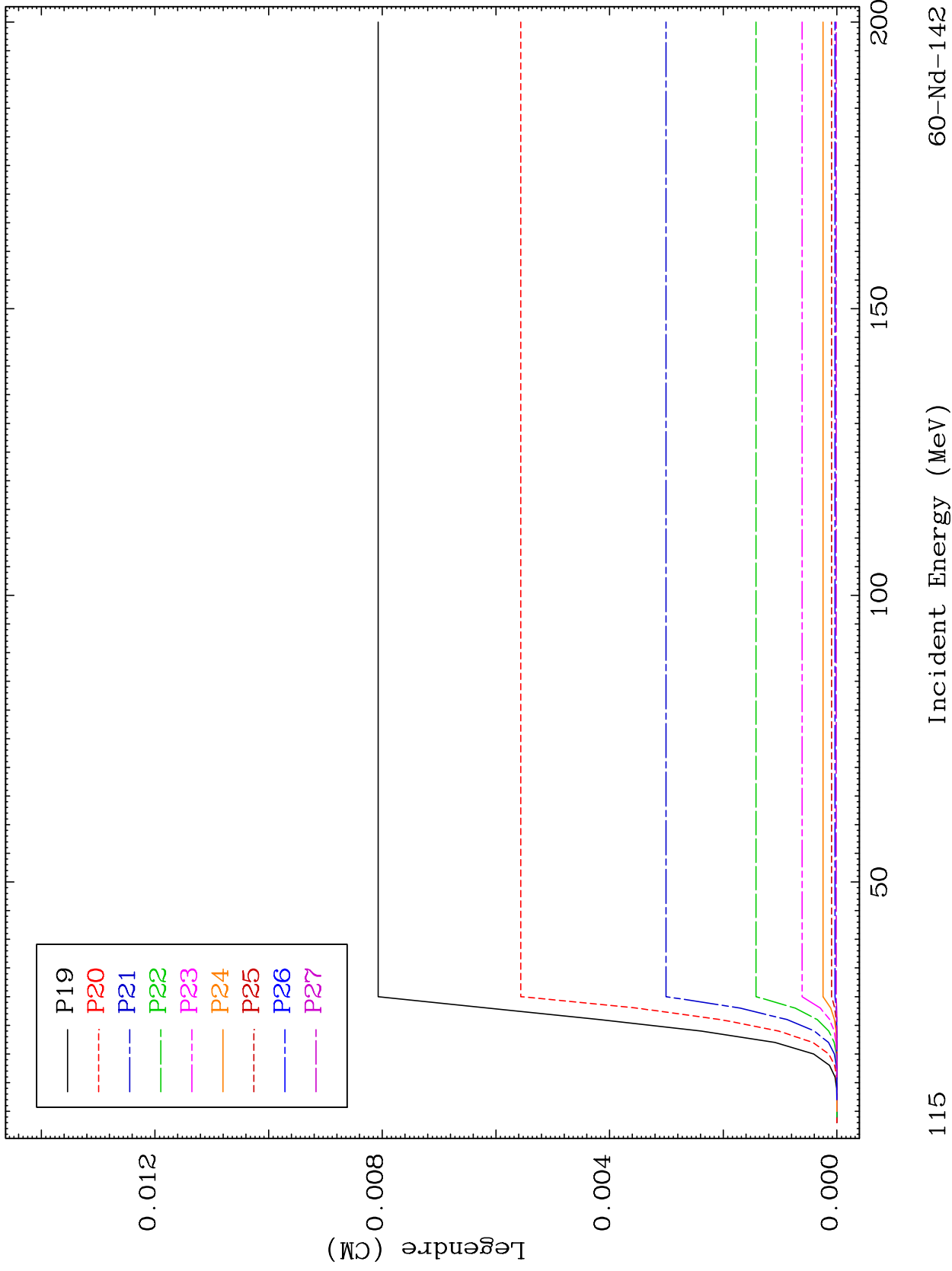
60-Nd-142



MAT 6025

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

60-Nd-142



115

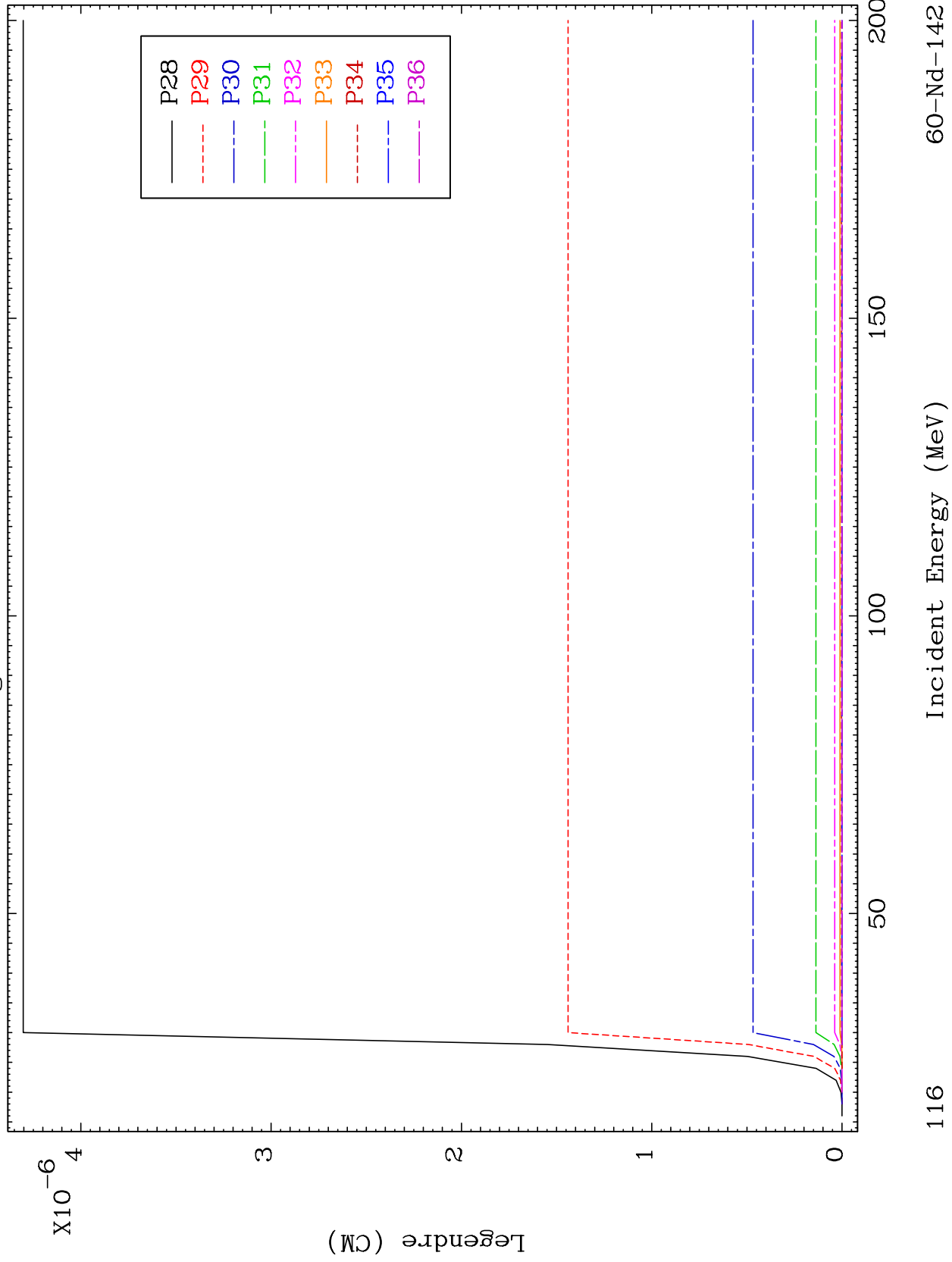
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

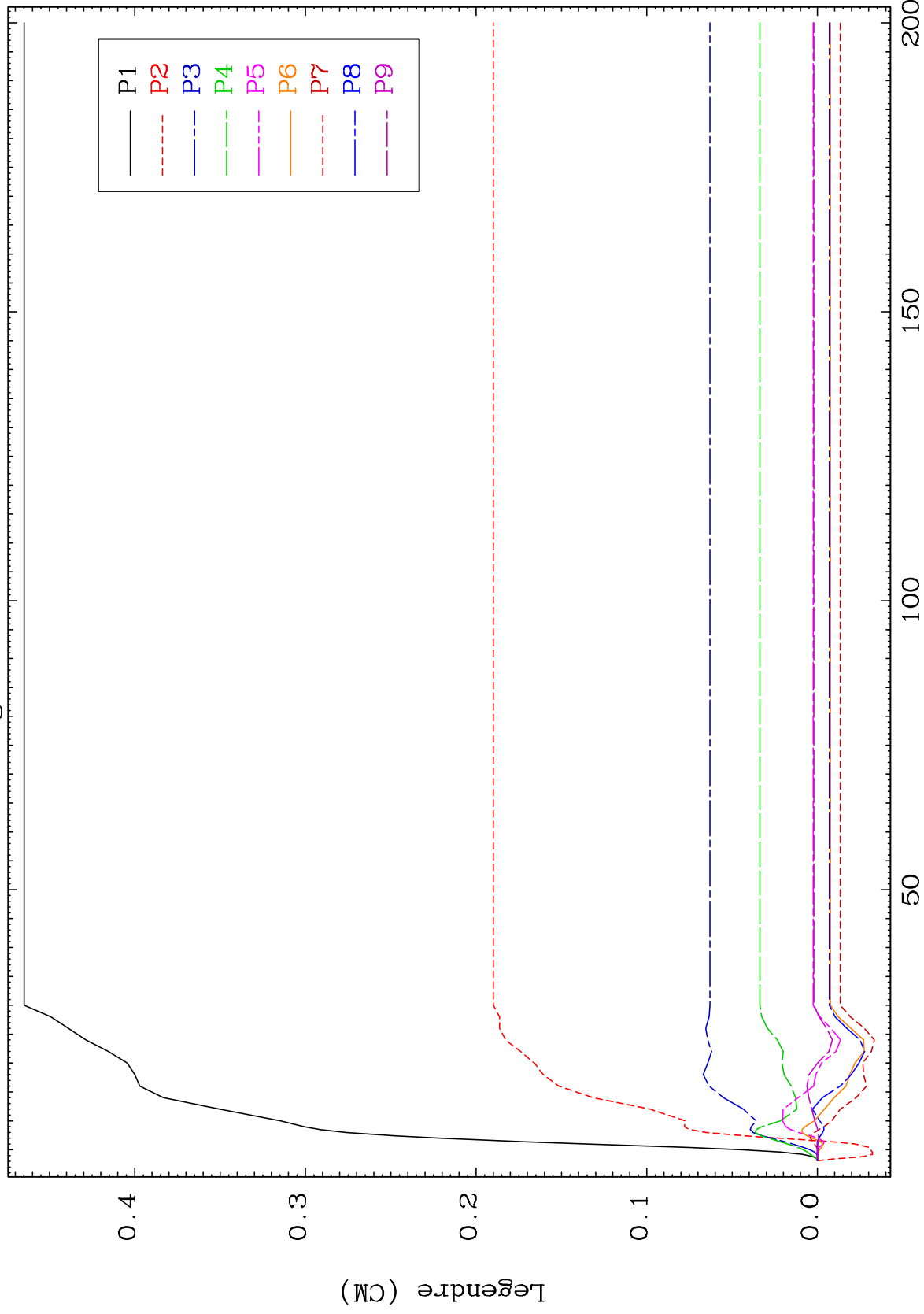
60-Nd-142



MAT 6025

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

60-Nd-142



117

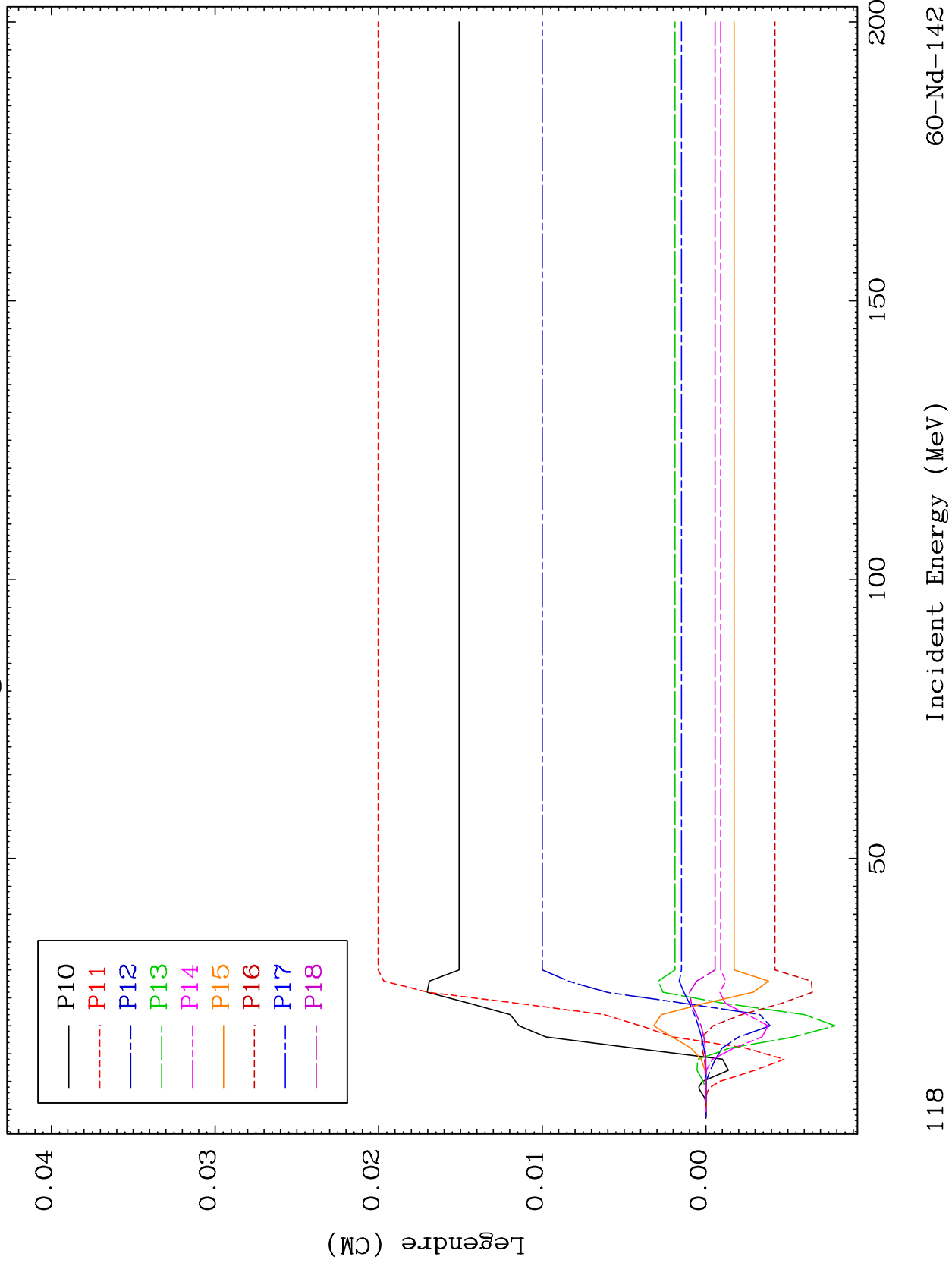
Incident Energy (MeV)

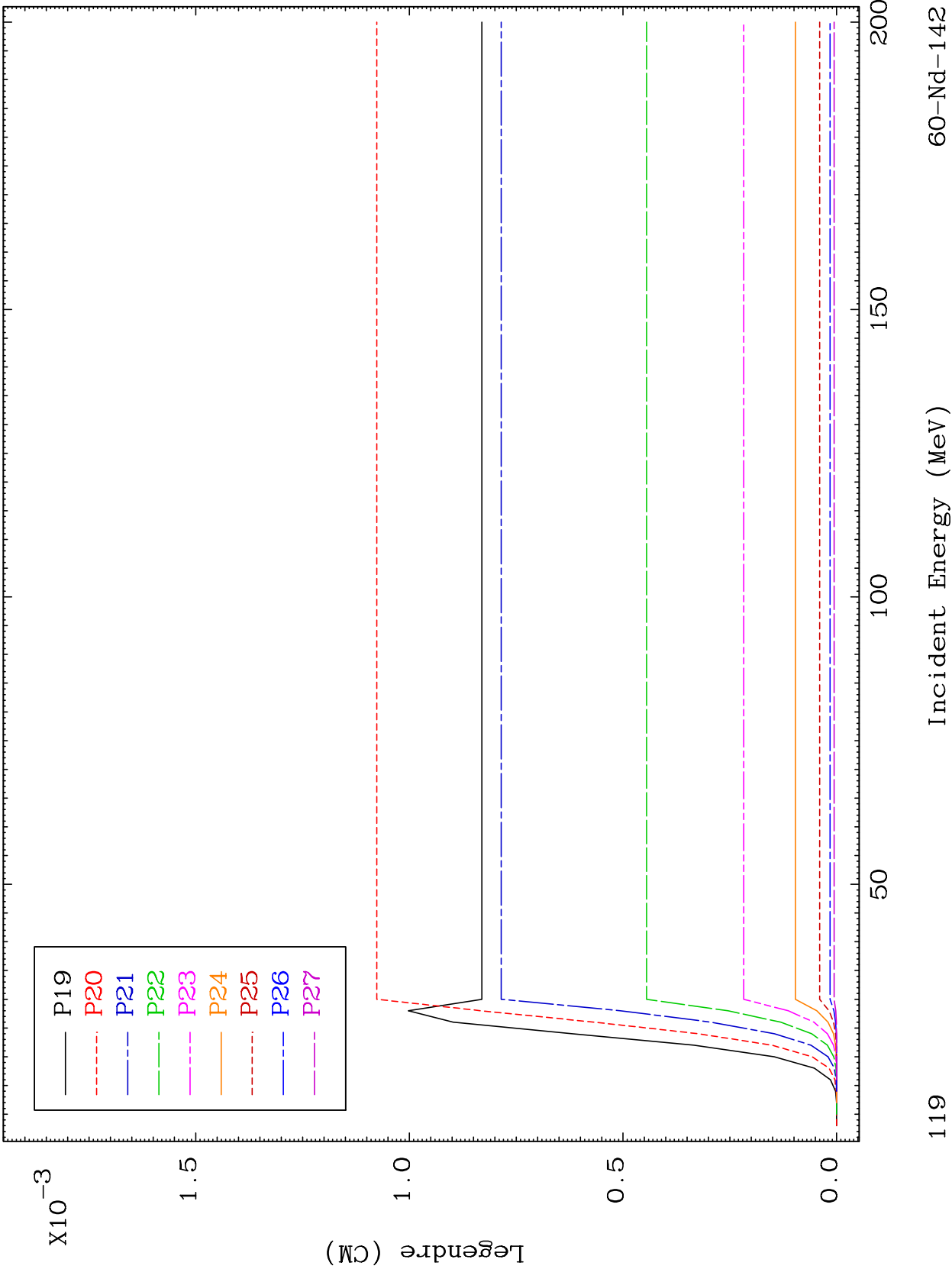
60-Nd-142

MAT 6025

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

60-Nd-142

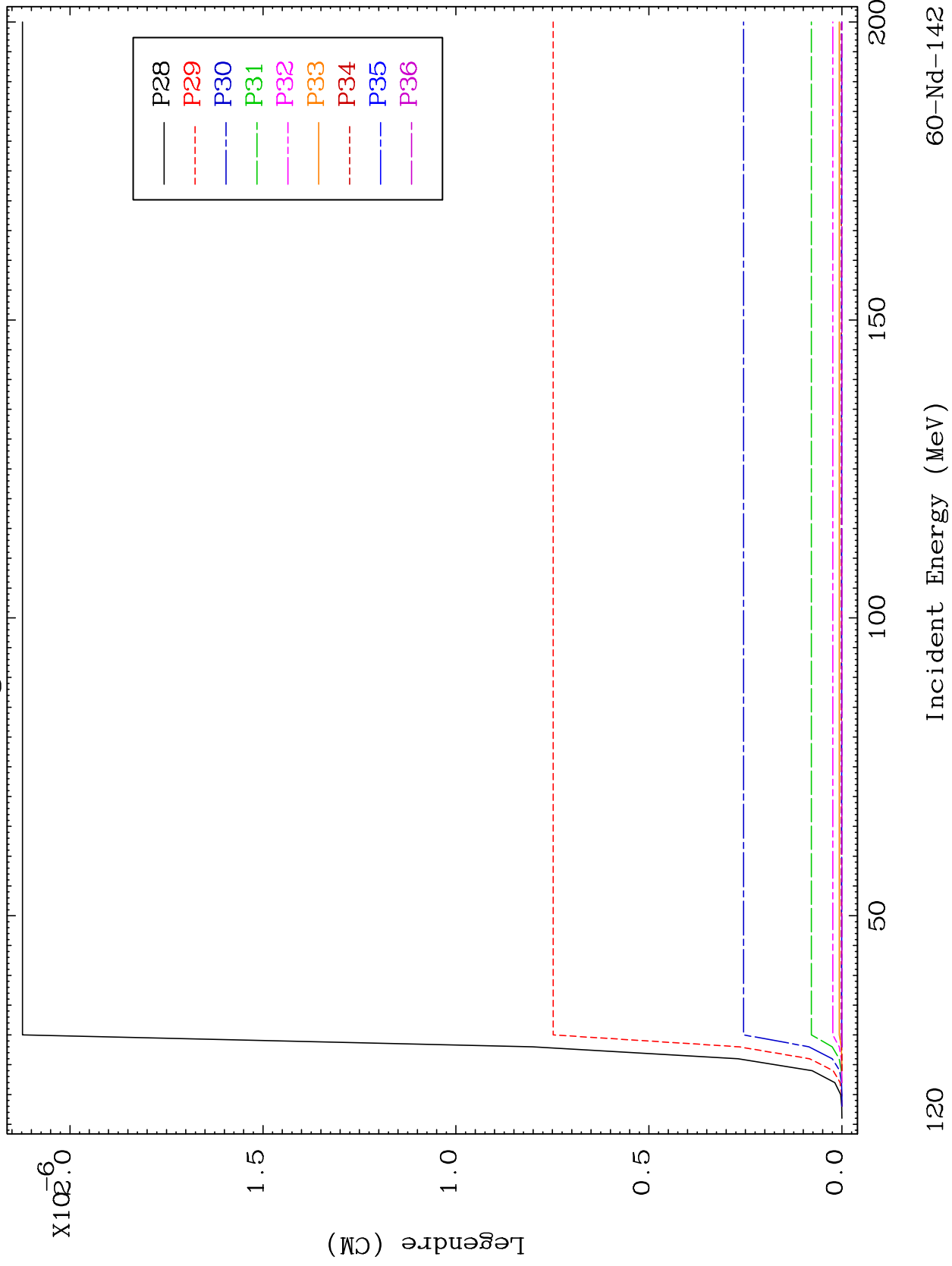




MAT 6025

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

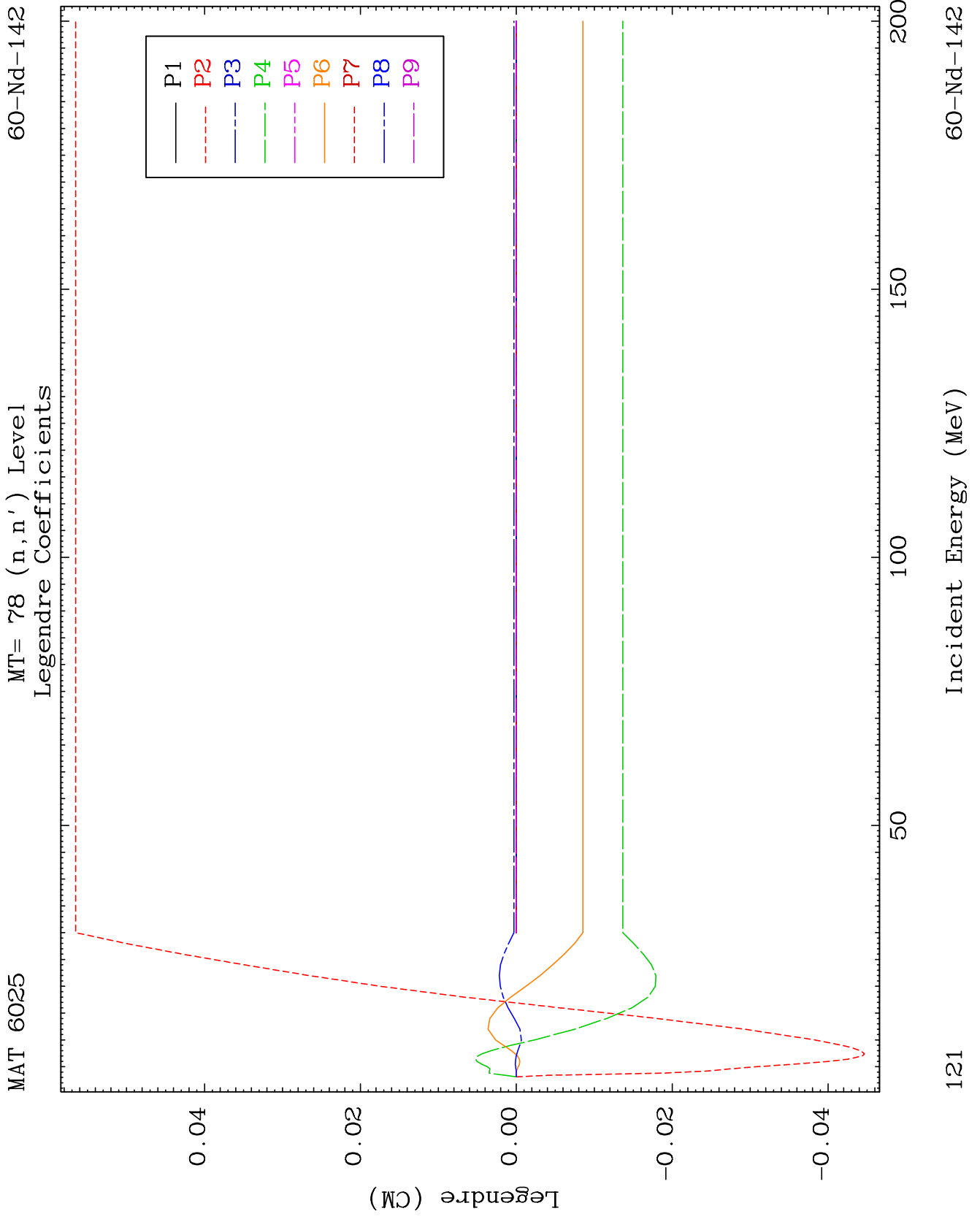
60-Nd-142

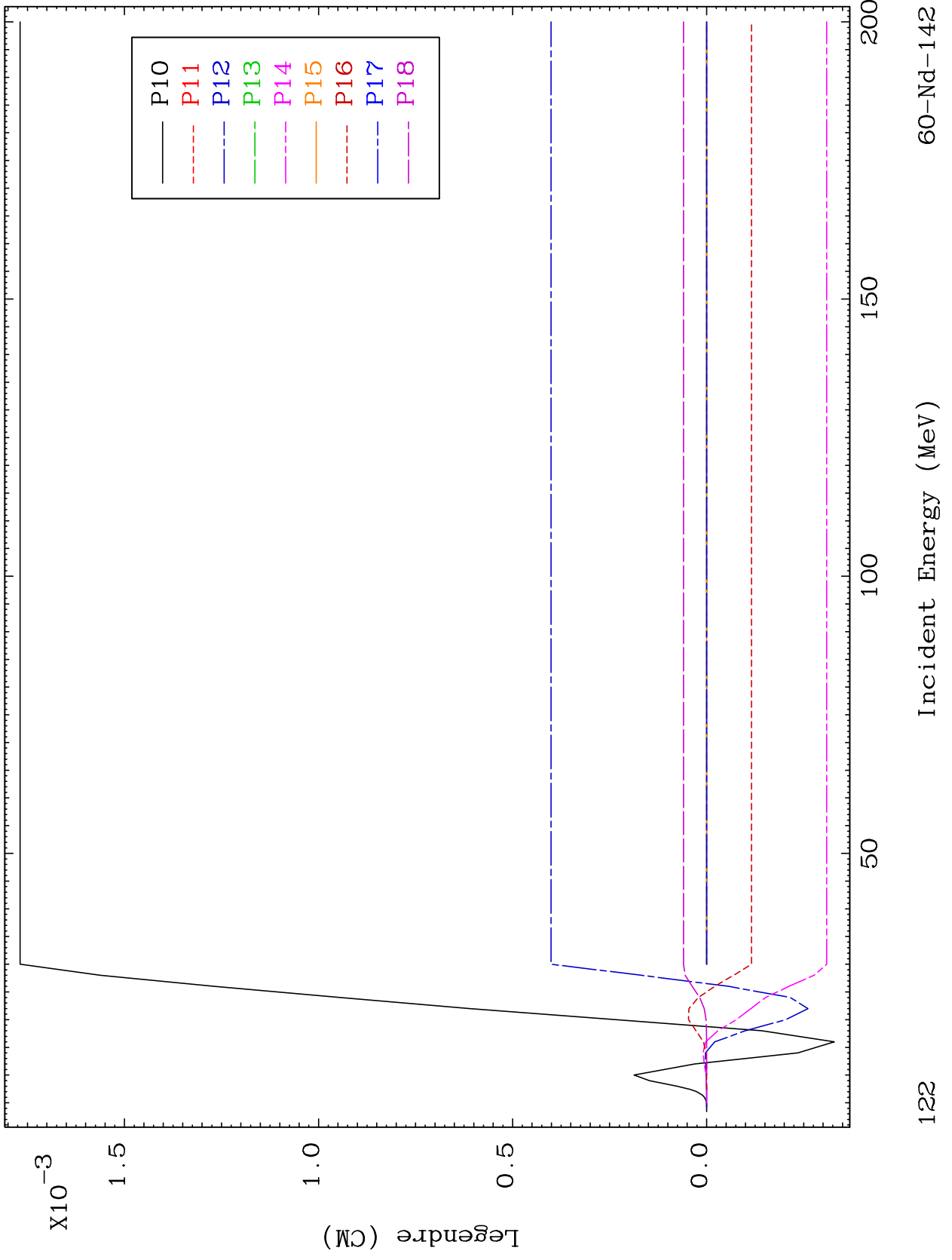


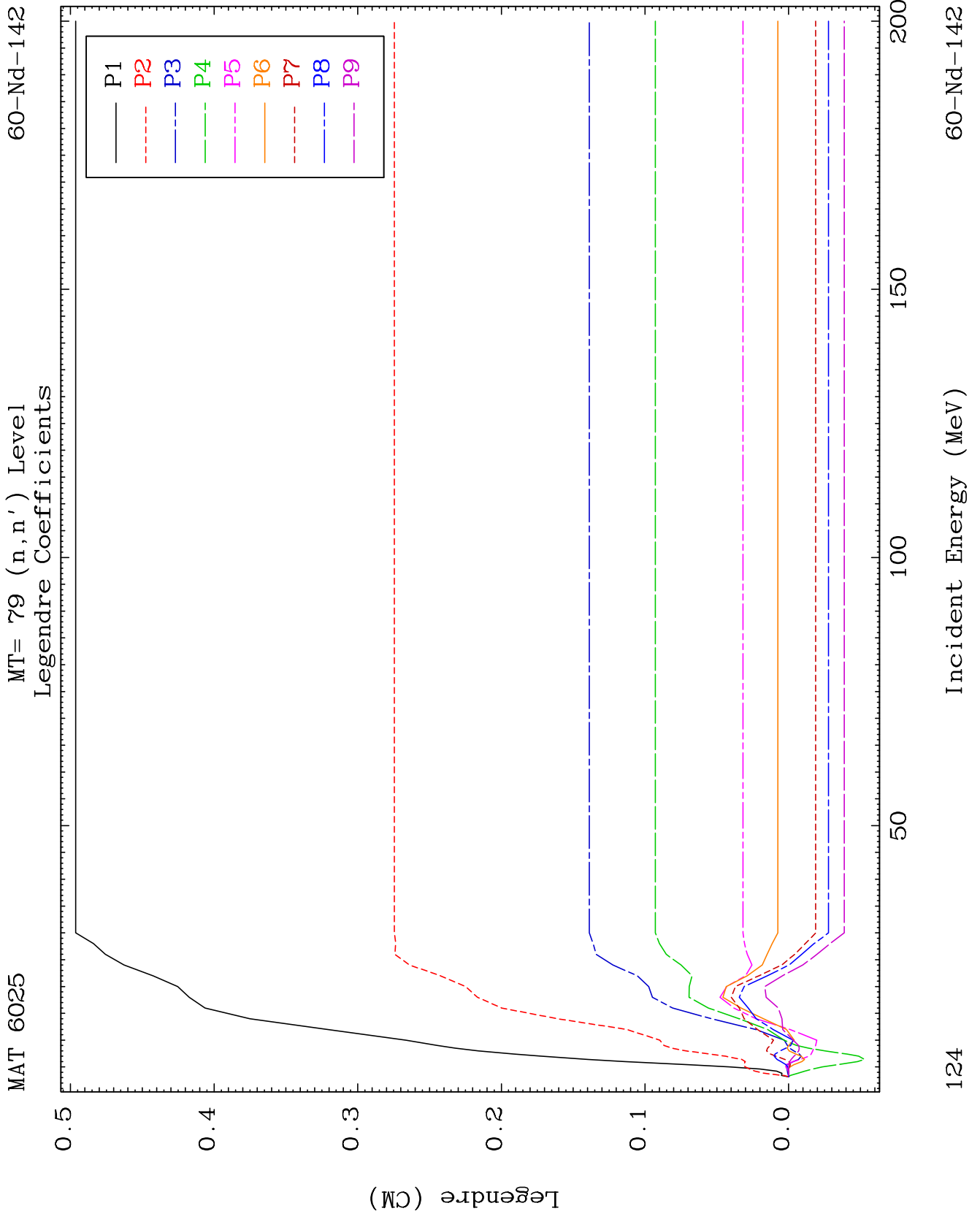
60-Nd-142

Incident Energy (MeV)

120



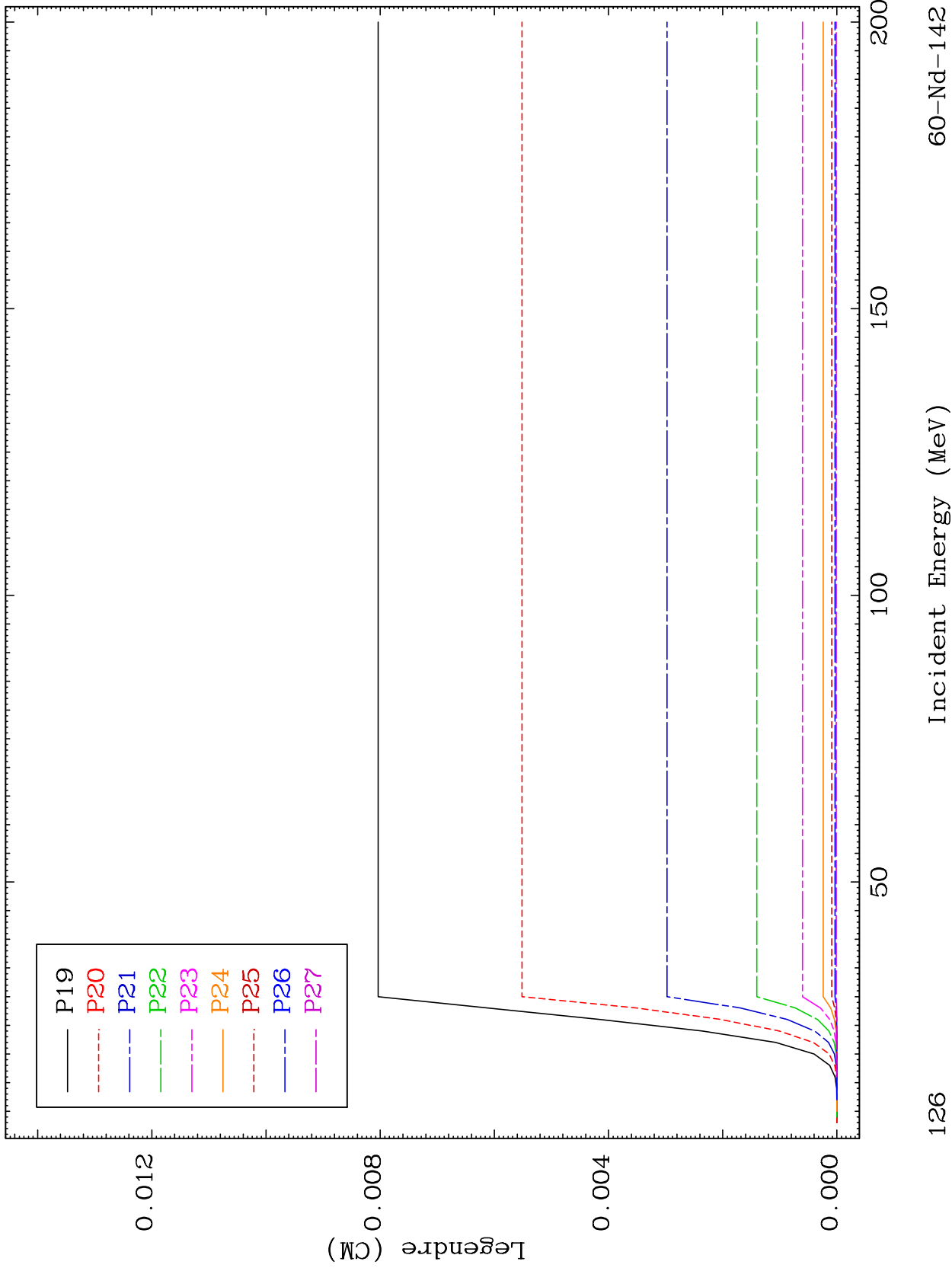




MAT 6025

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

60-Nd-142



126

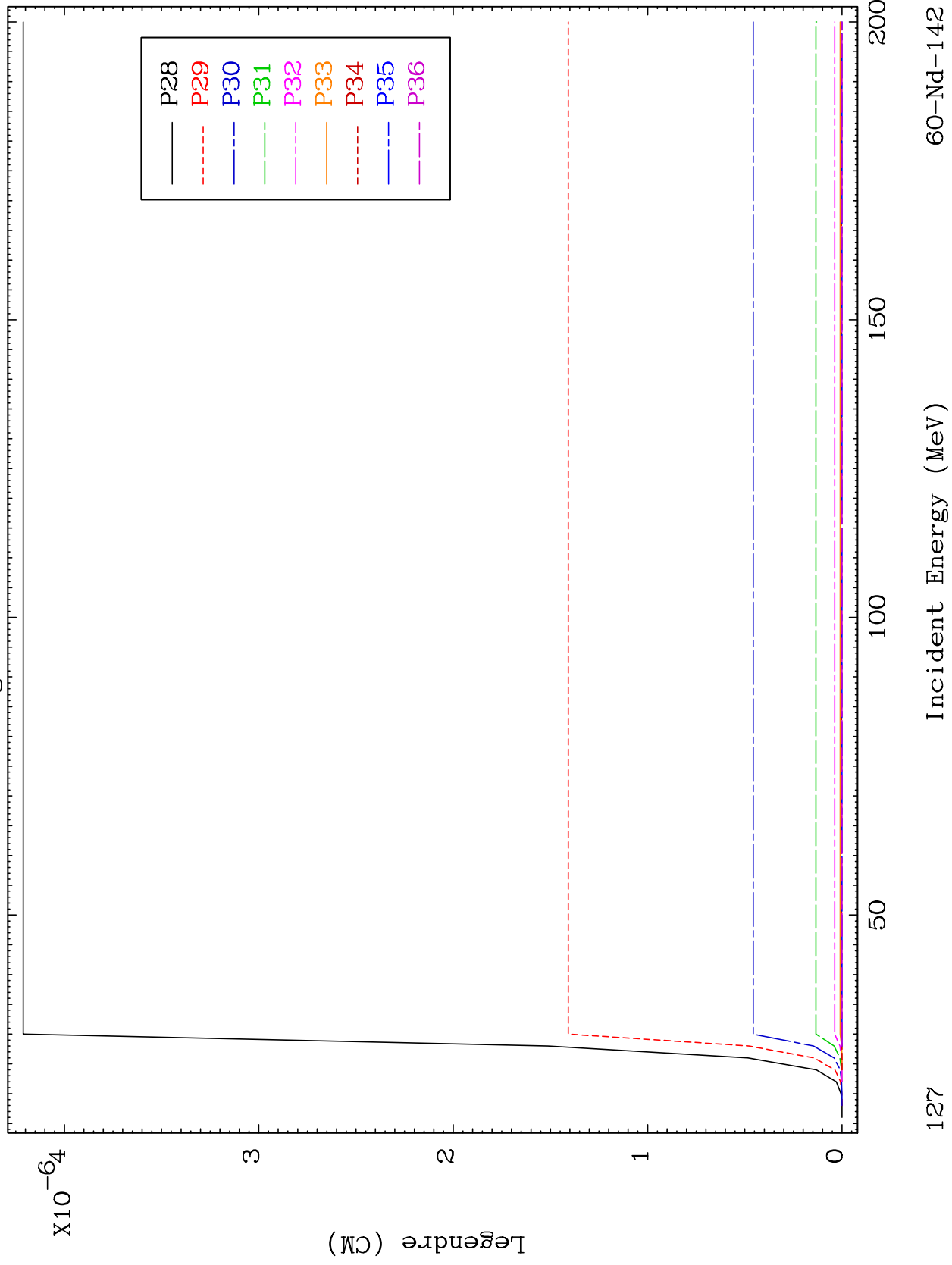
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

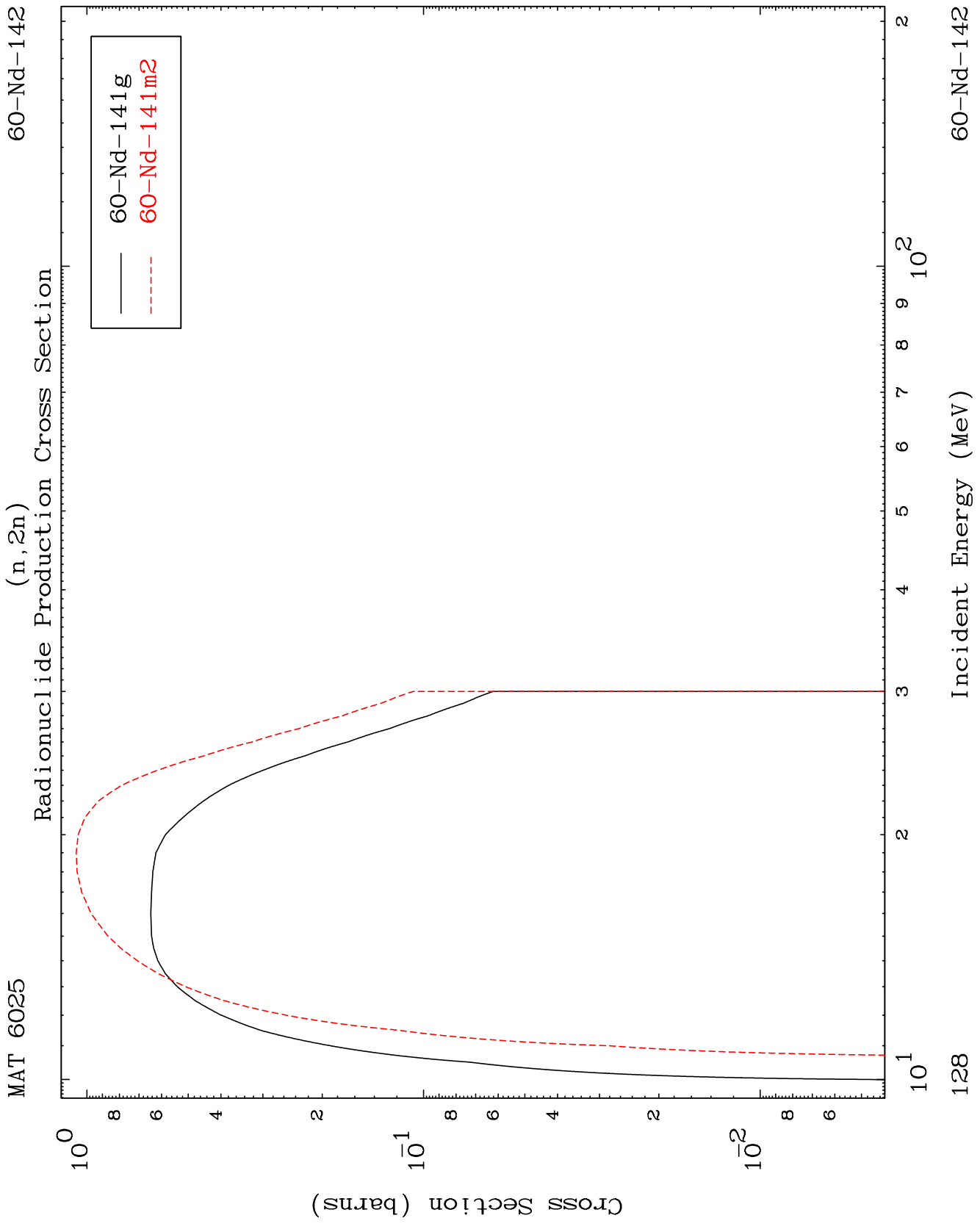
60-Nd-142



127

Incident Energy (MeV)

60-Nd-142

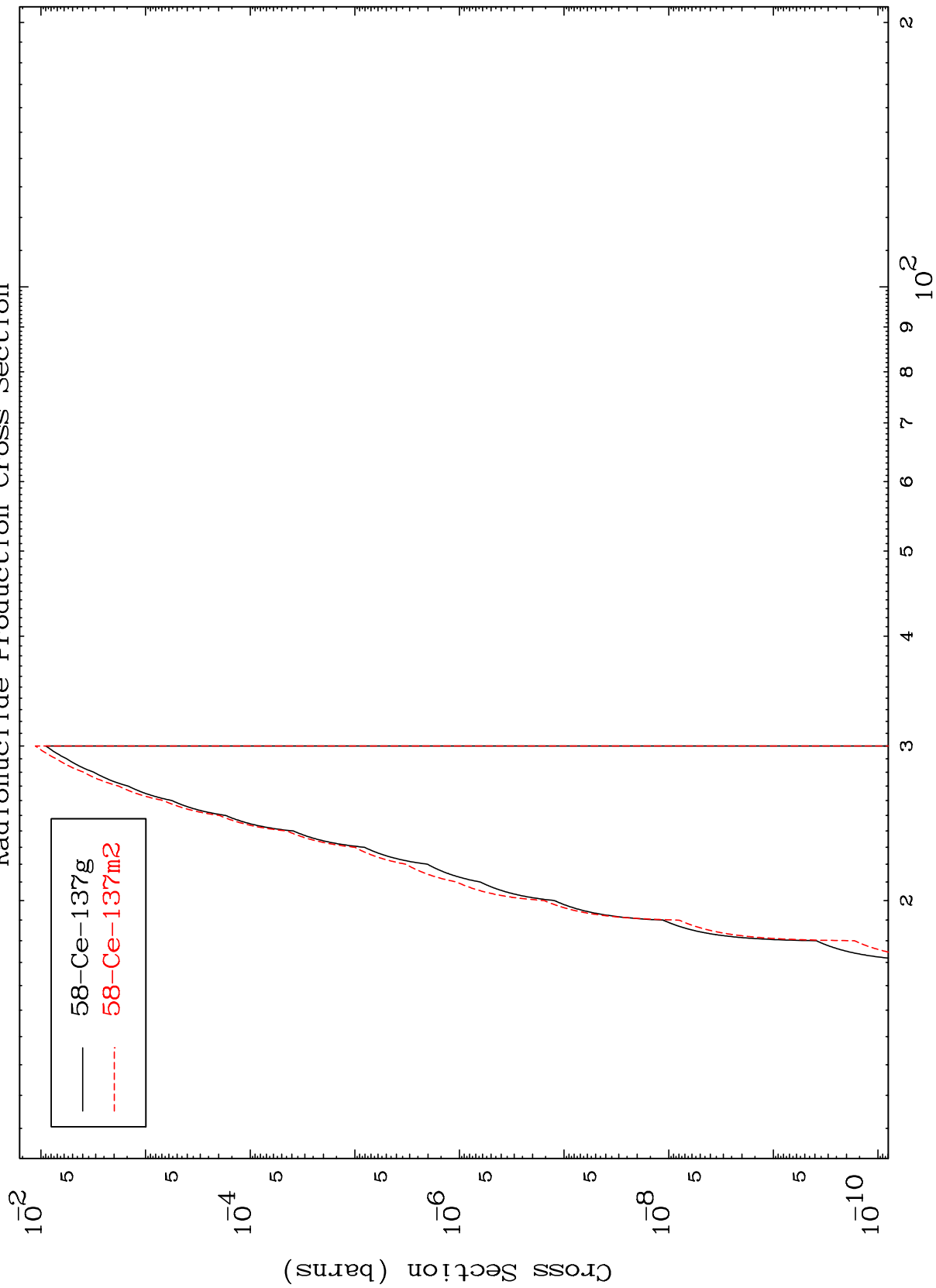


MAT 6025

(n,2n) α

60-Nd-142

Radionuclide Production Cross Section



129

Incident Energy (MeV)

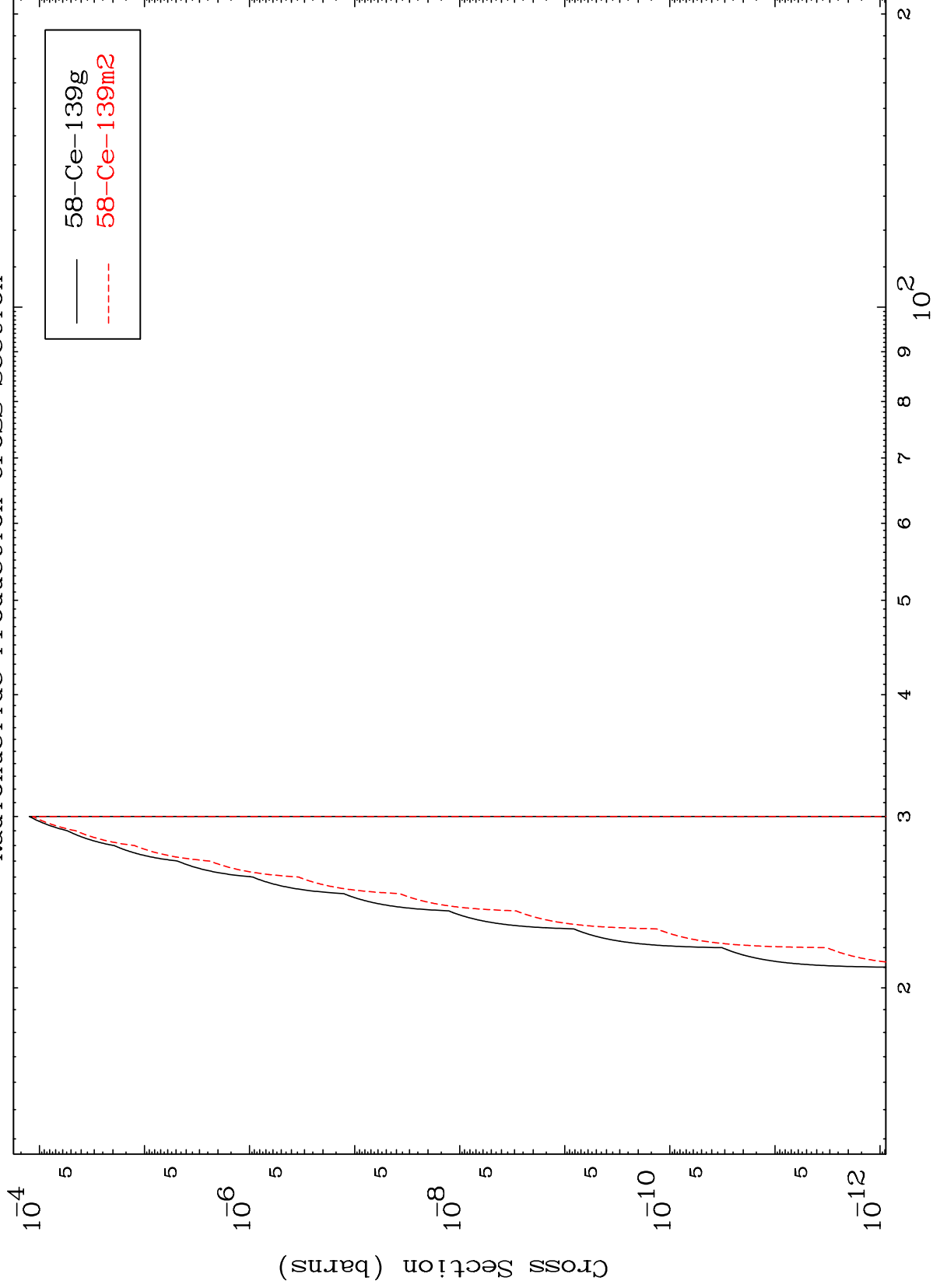
60-Nd-142

MAT 6025

(n,n') He-3

60-Nd-142

Radionuclide Production Cross Section



130

Incident Energy (MeV)

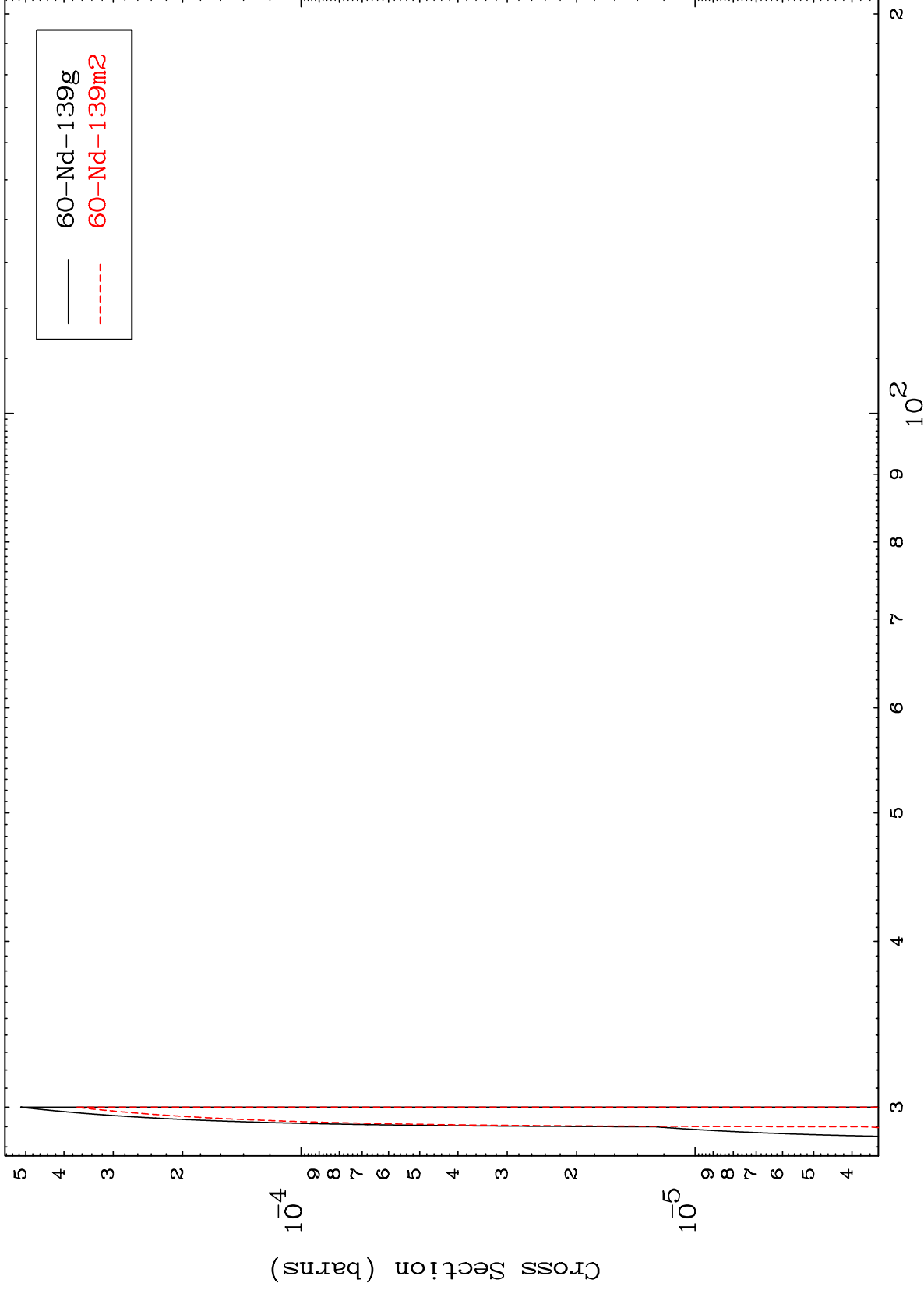
60-Nd-142

MAT 6025

(n,4n)

60-Nd-142

Radionuclide Production Cross Section



131

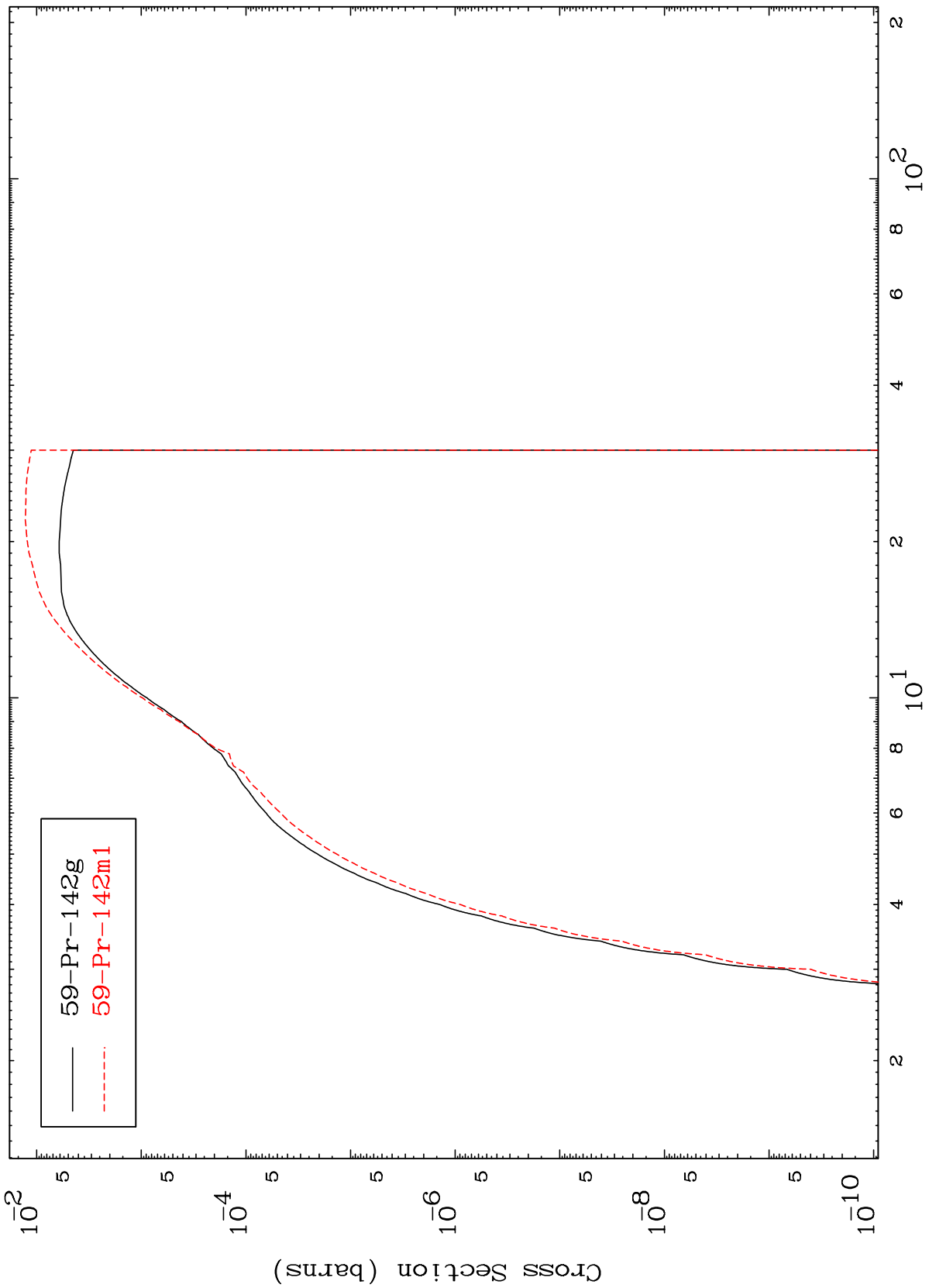
Incident Energy (MeV)

60-Nd-142

MAT 6025

60-Nd-142

(n,p)
Radionuclide Production Cross Section



— 59-Pr-142g
- - - 59-Pr-142m1

60-Nd-142

Incident Energy (MeV)

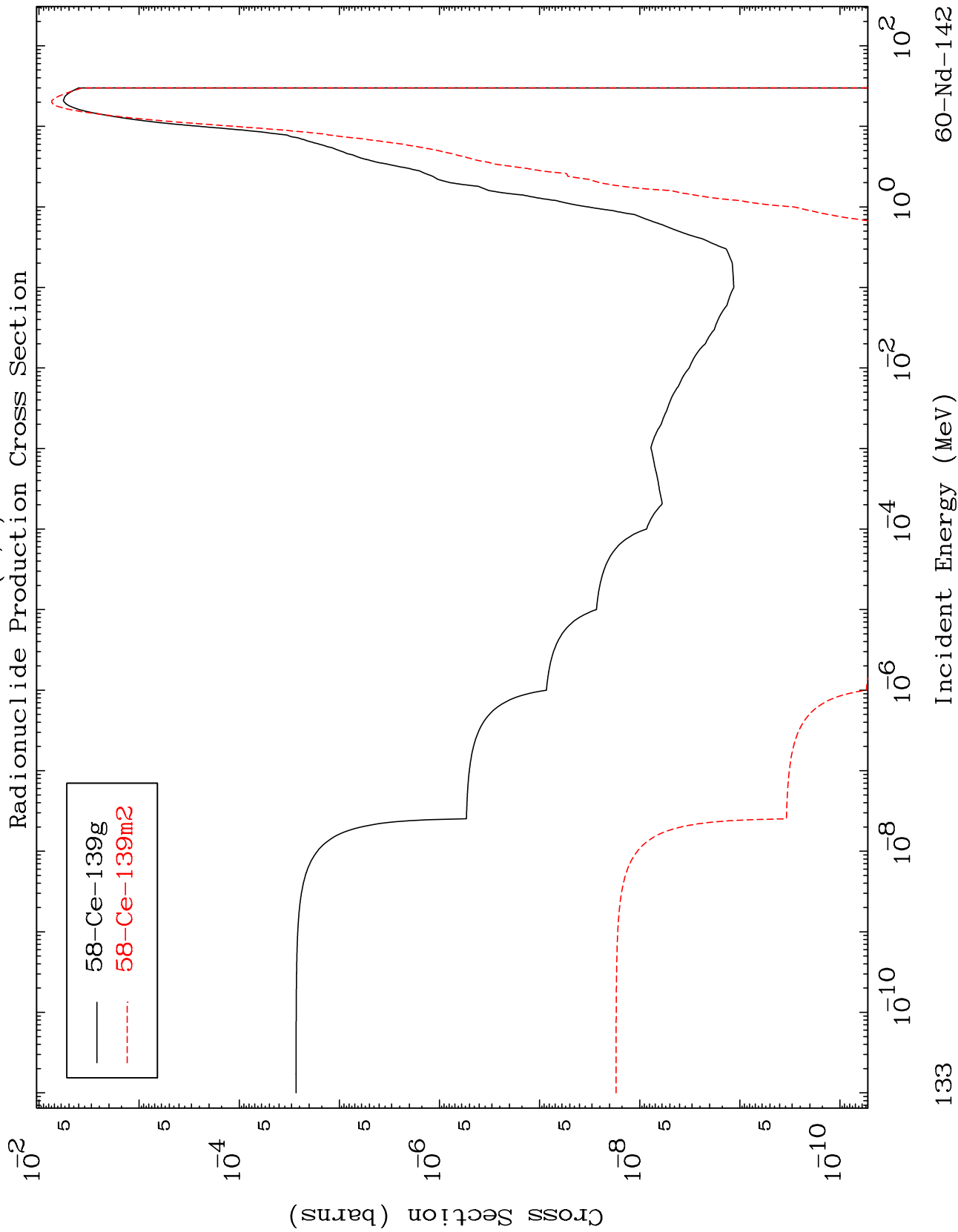
132

MAT 6025

(n, α)

60-Nd-142

Radionuclide Production Cross Section

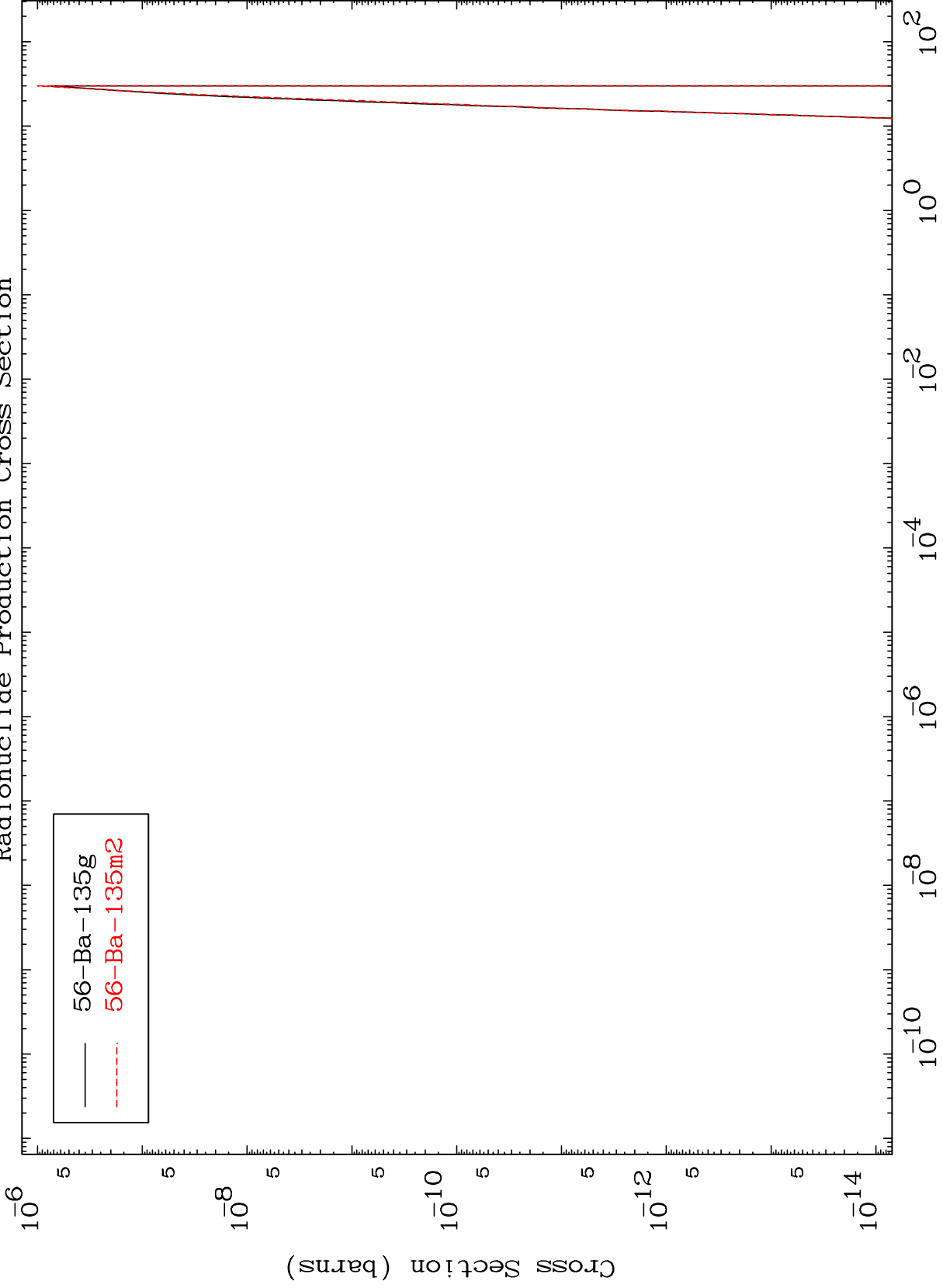


MAT 6025

(n,2α)

60-Nd-142

Radionuclide Production Cross Section



134

Incident Energy (MeV)

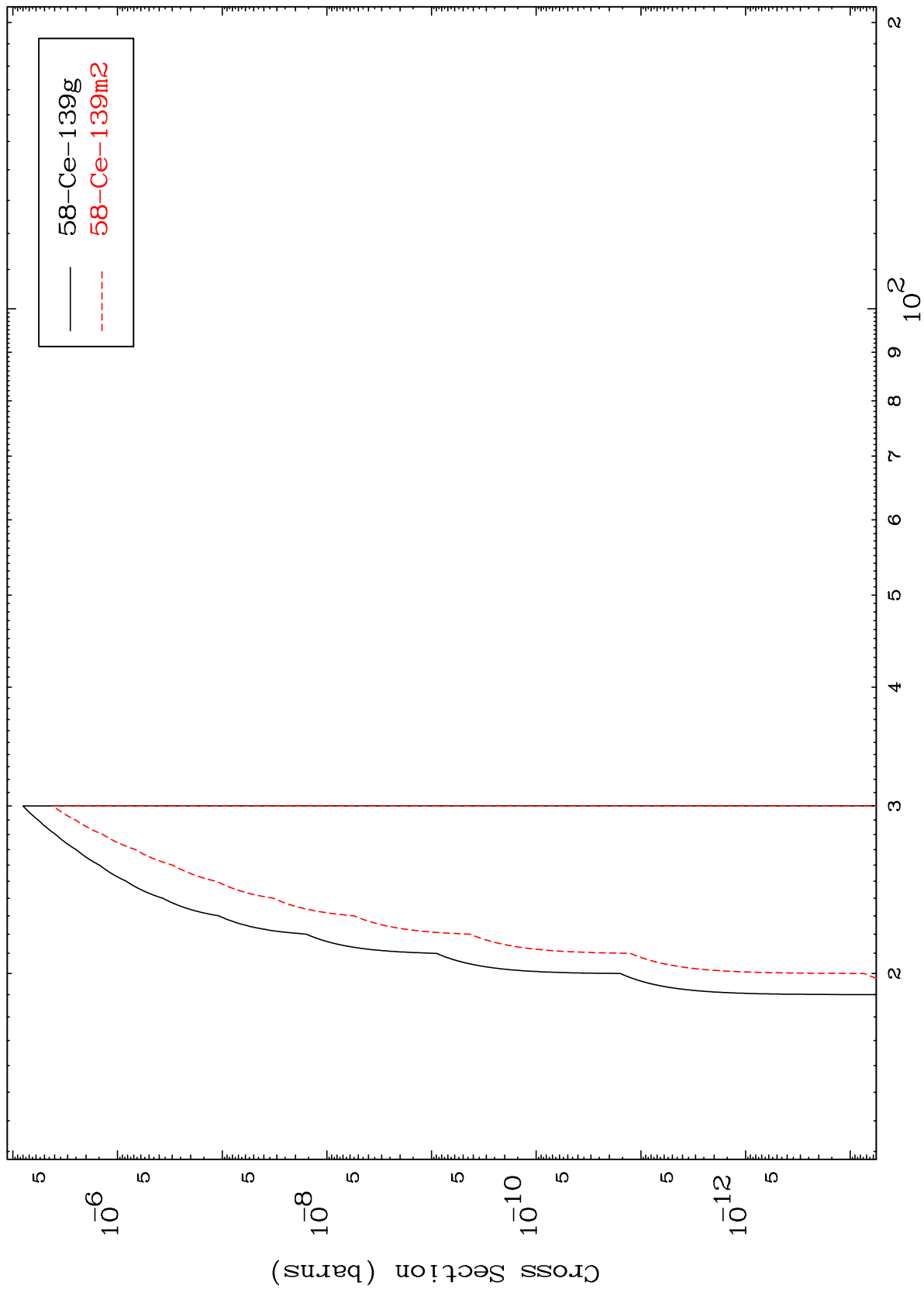
60-Nd-142

MAT 6025

(n,p) t

60-Nd-142

Radionuclide Production Cross Section



135

Incident Energy (MeV)

60-Nd-142