

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

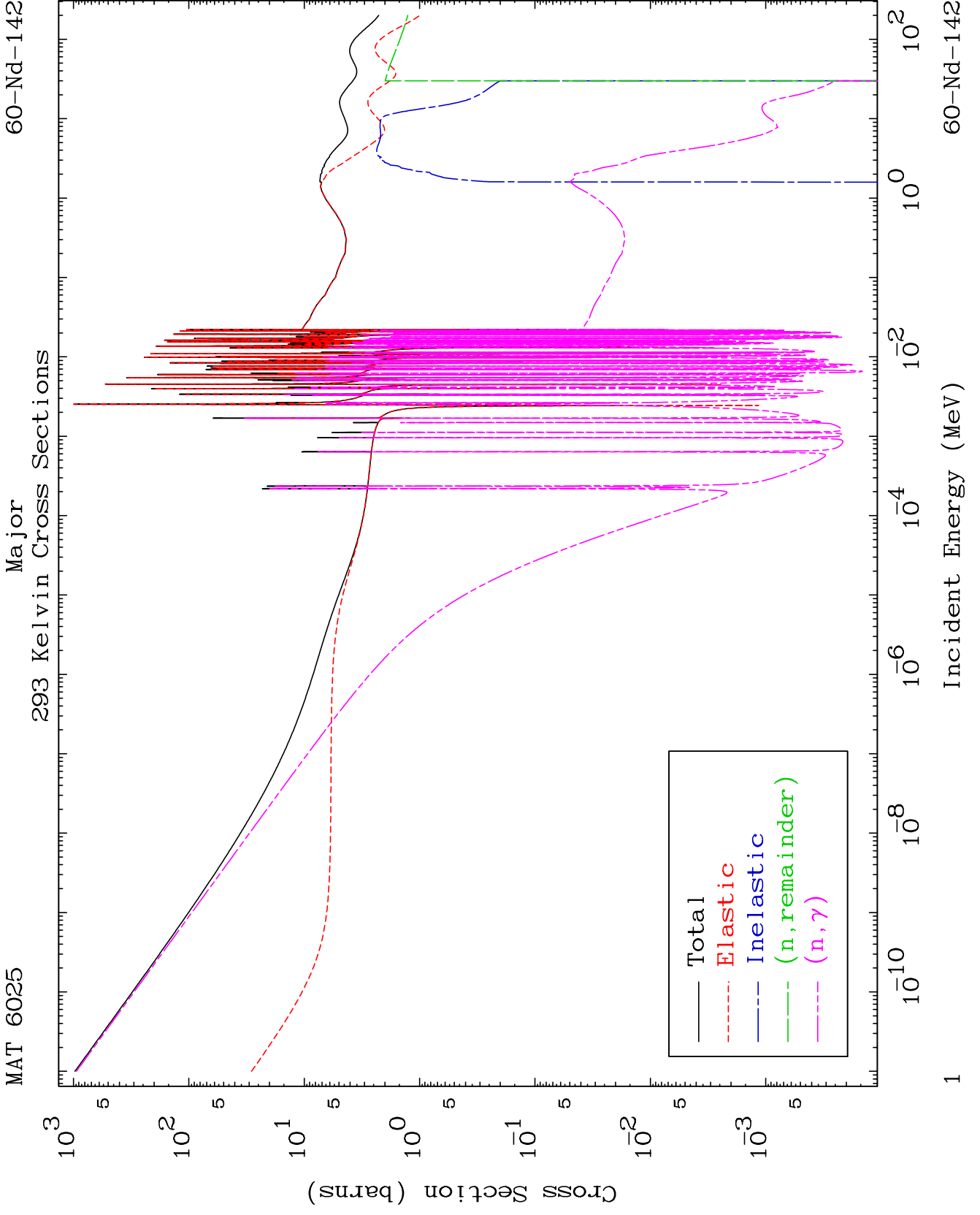
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Livermore, CA 94550
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Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

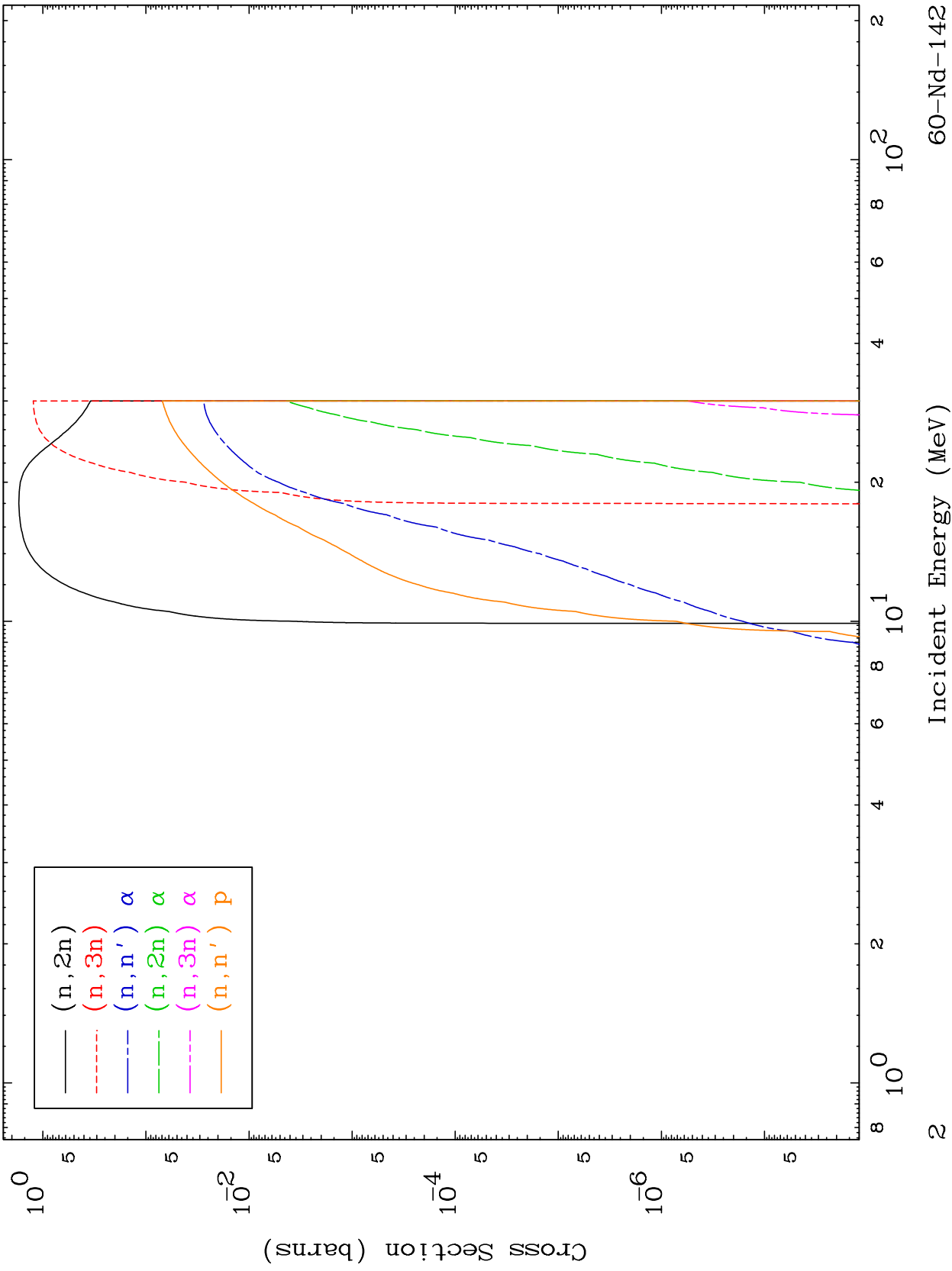
Press Mouse Button to Start



MAT 6025

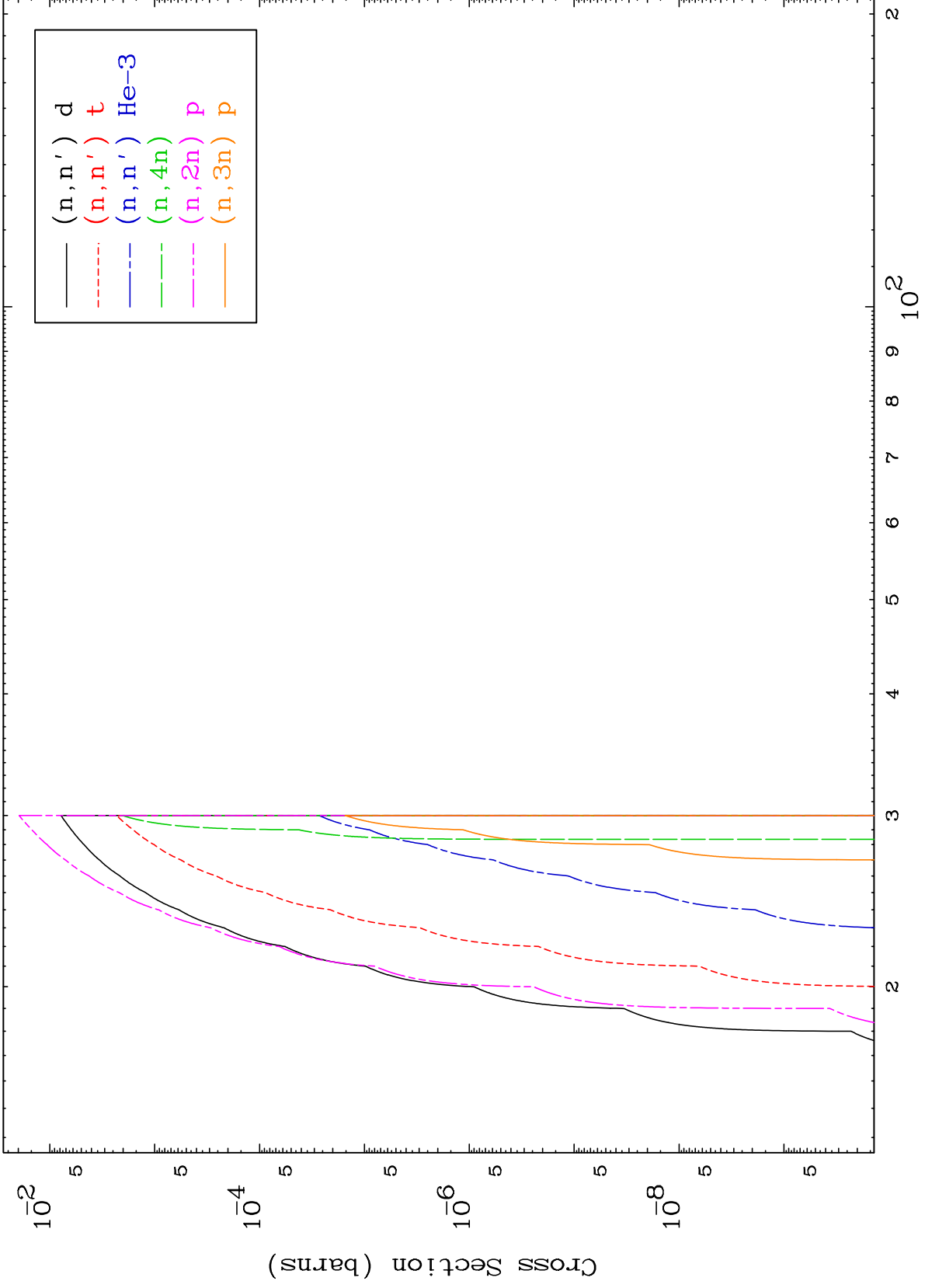
Neutron Production
293 Kelvin Cross Sections

60-Nd-142



60-Nd-142

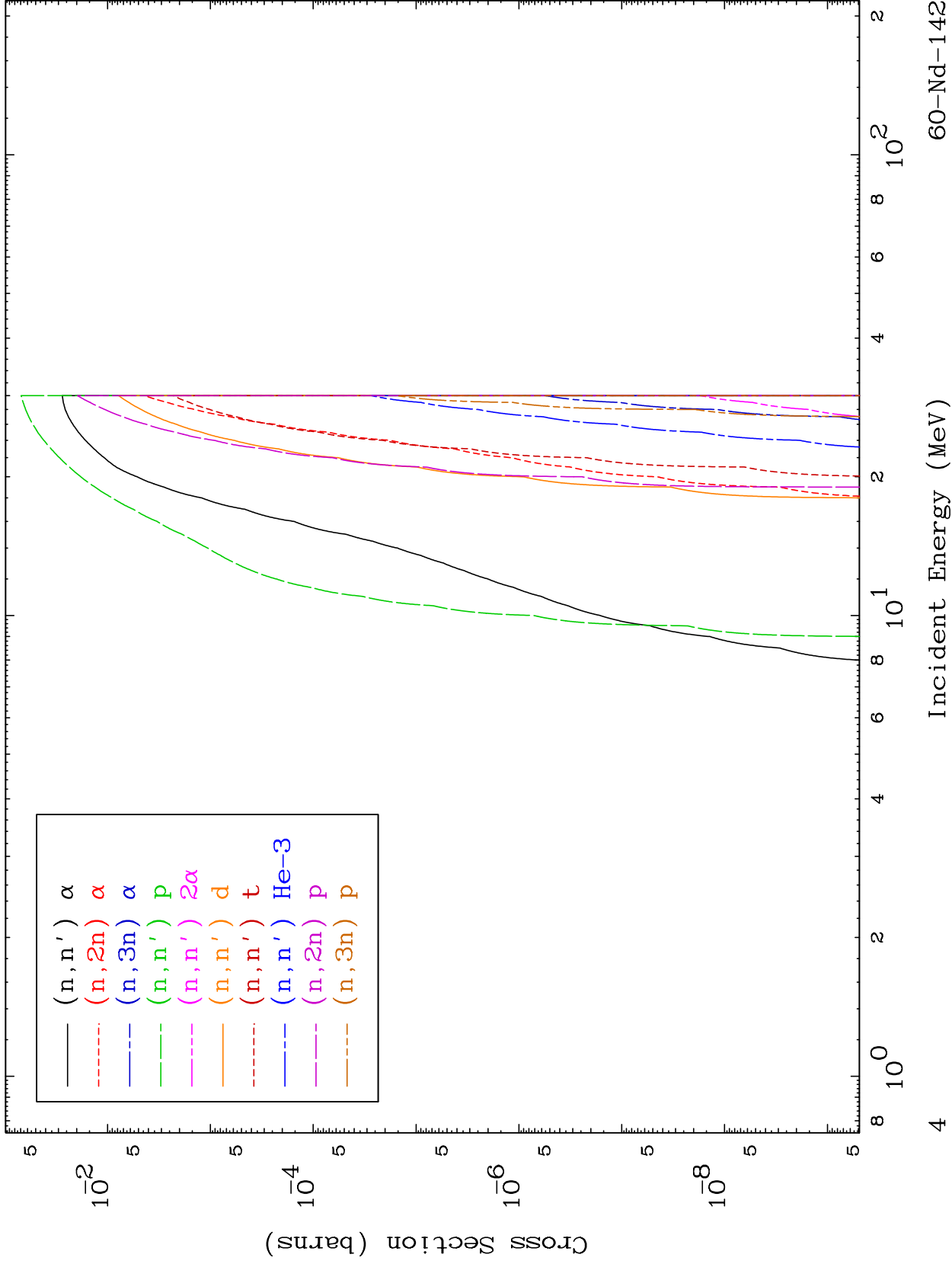
Incident Energy (MeV)



MAT 6025

Charged Particle
293 Kelvin Cross Sections

60-Nd-142



60-Nd-142

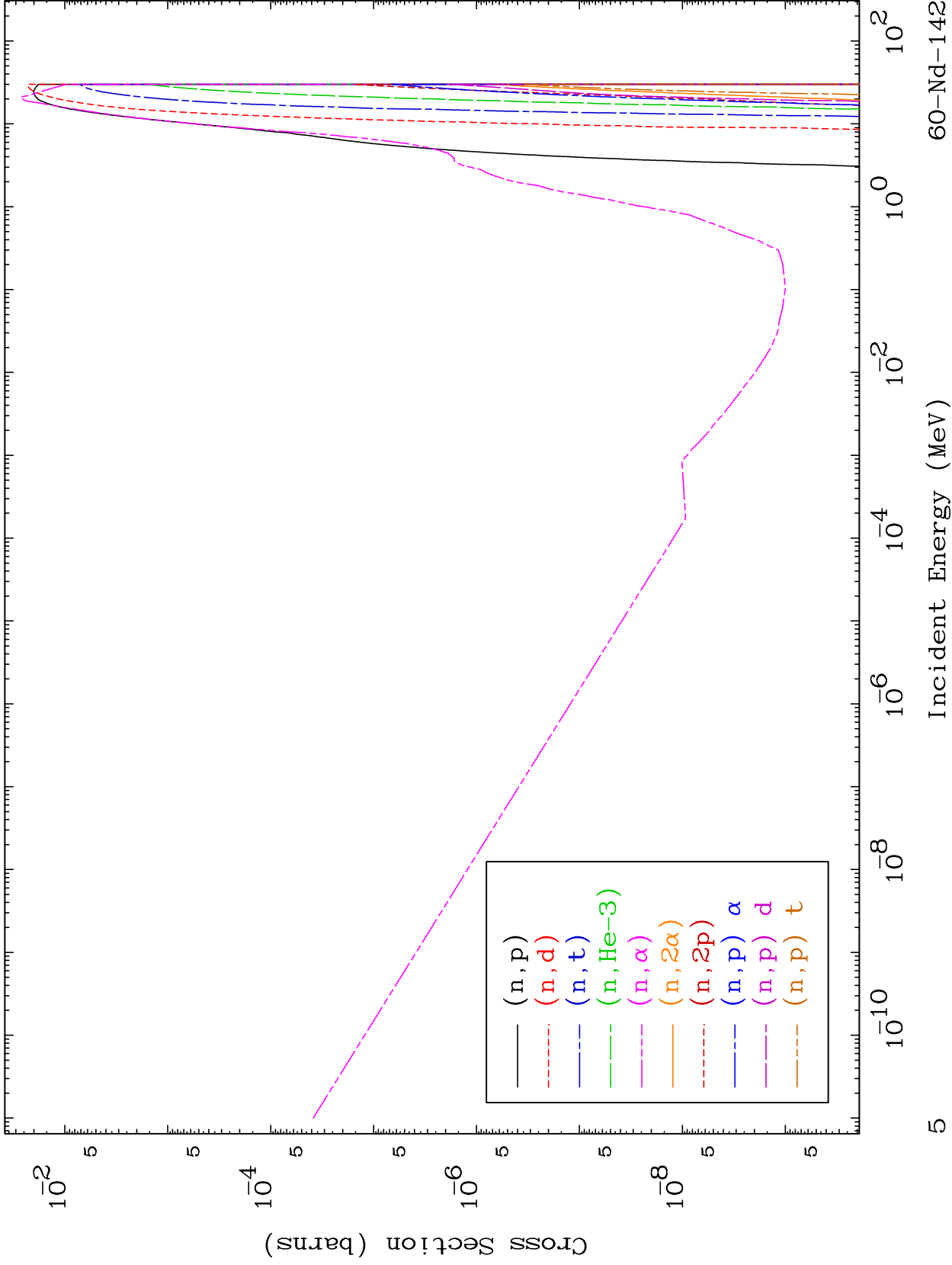
Incident Energy (MeV)

4

MAT 6025

Charged Particle
293 Kelvin Cross Sections

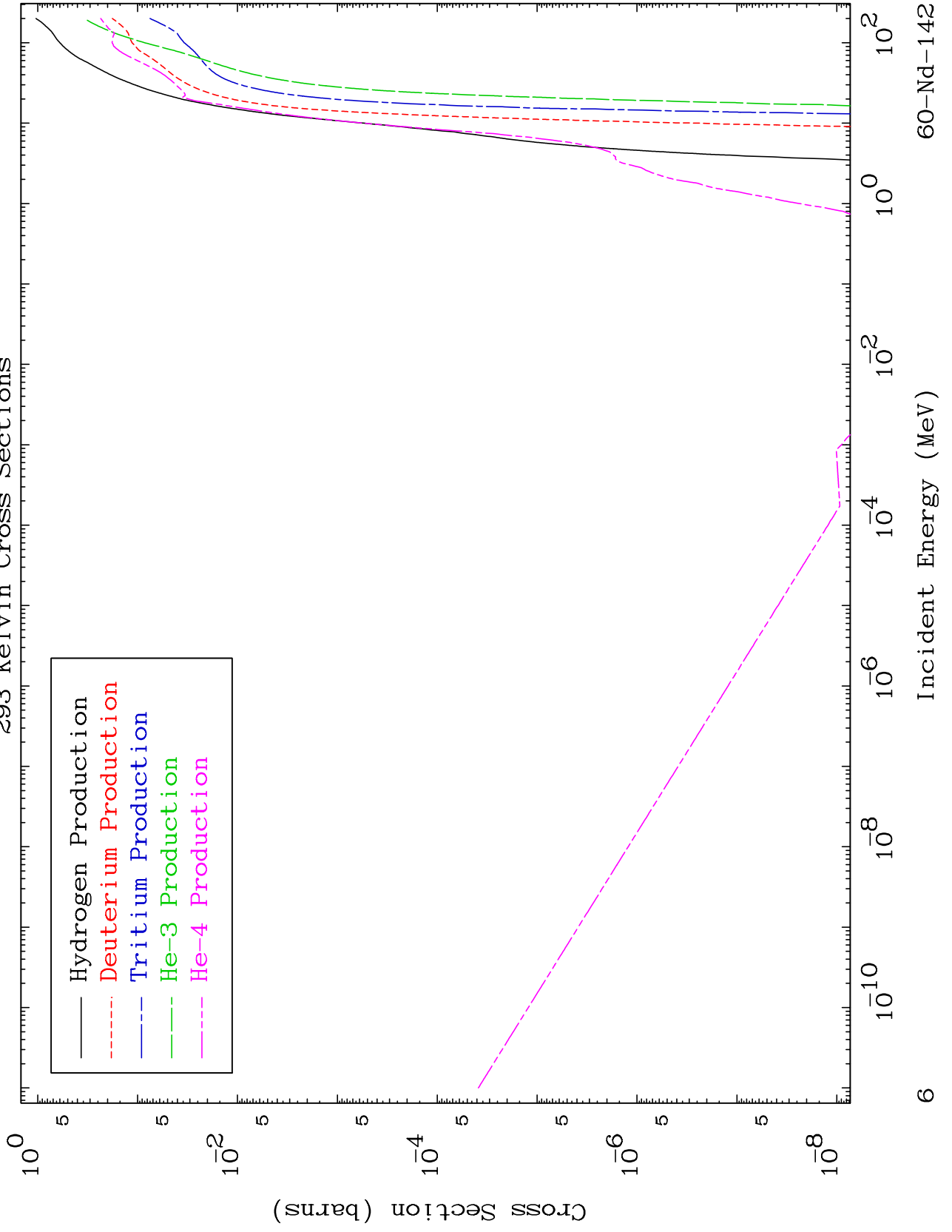
60-Nd-142



MAT 6025

Particle Production
293 Kelvin Cross Sections

60-Nd-142

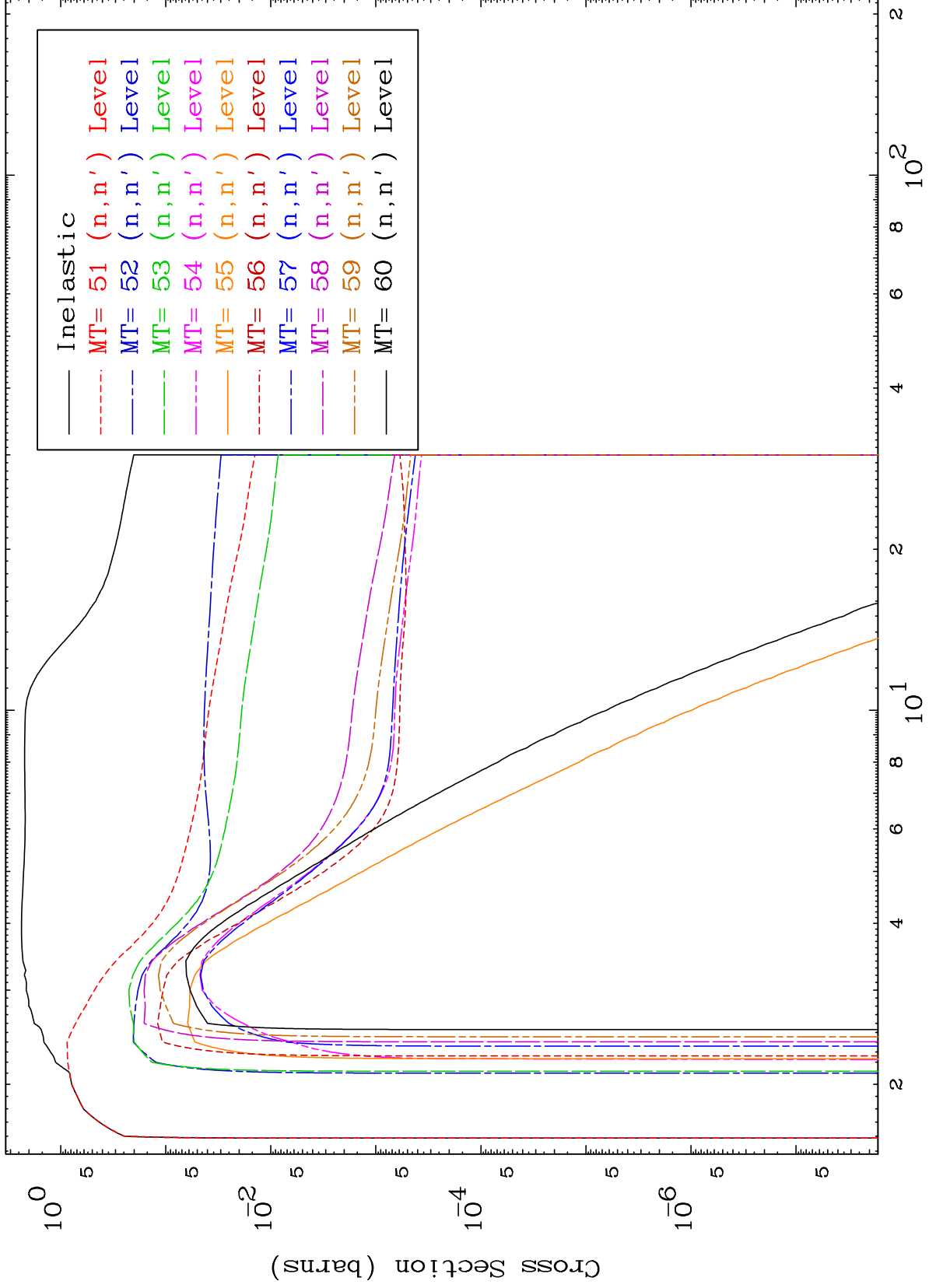


MAT 6025

(n,n') Level

60-Nd-142

293 Kelvin Cross Sections



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Incident Energy (MeV)

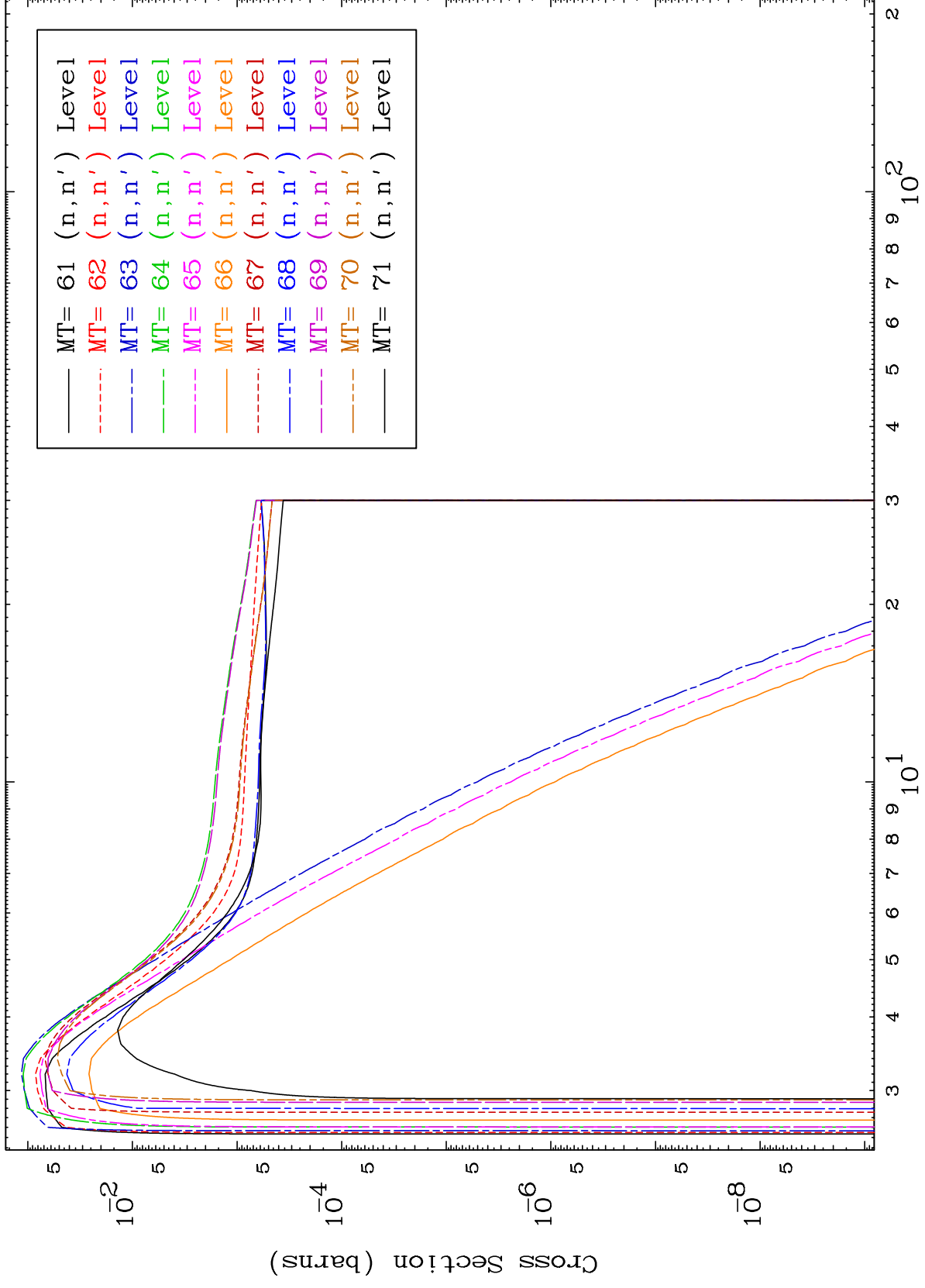
60-Nd-142

MAT 6025

(n,n') Level

60-Nd-142

293 Kelvin Cross Sections



Incident Energy (MeV)

60-Nd-142

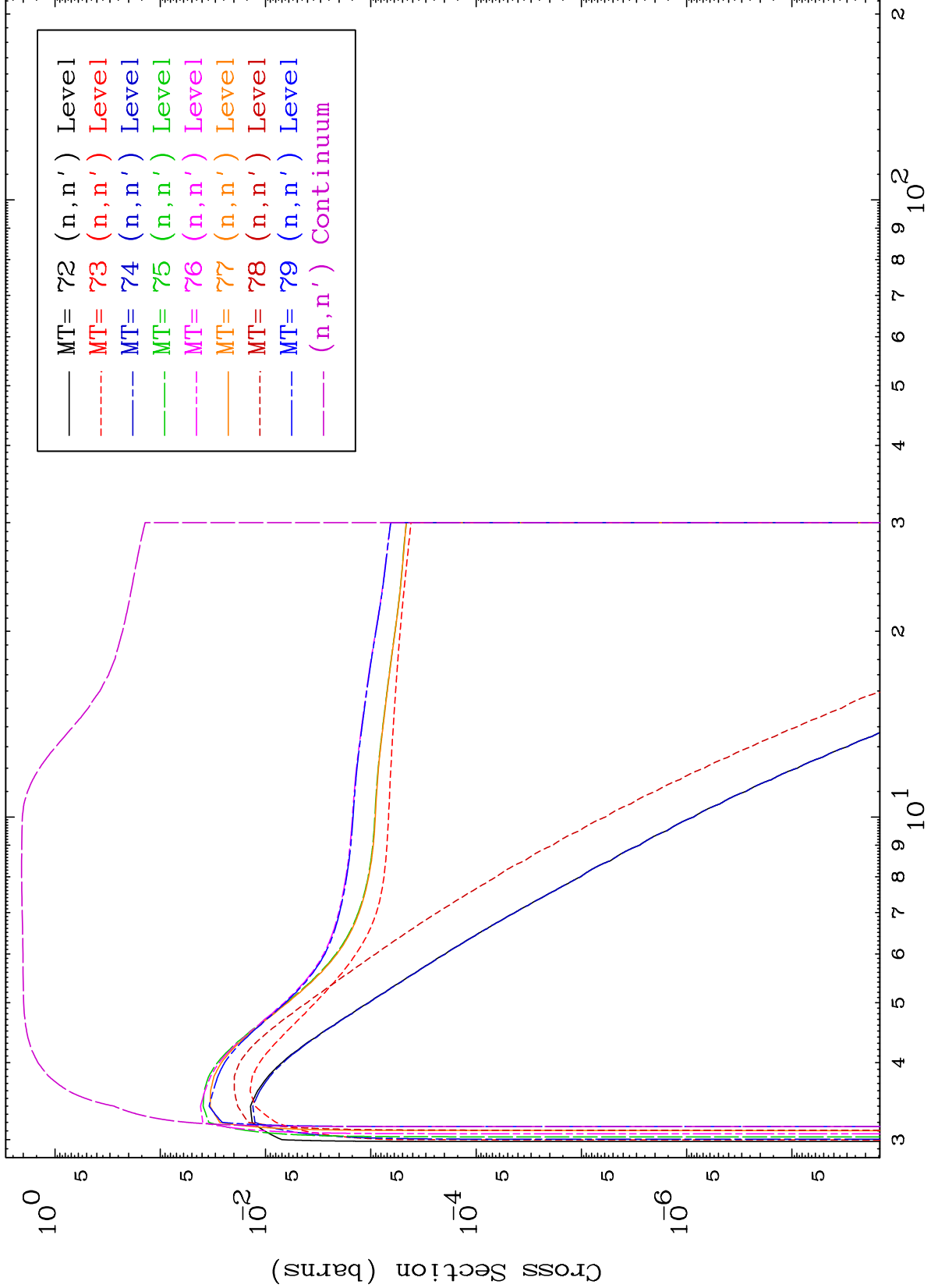
8

MAT 6025

(n,n') Level

60-Nd-142

293 Kelvin Cross Sections



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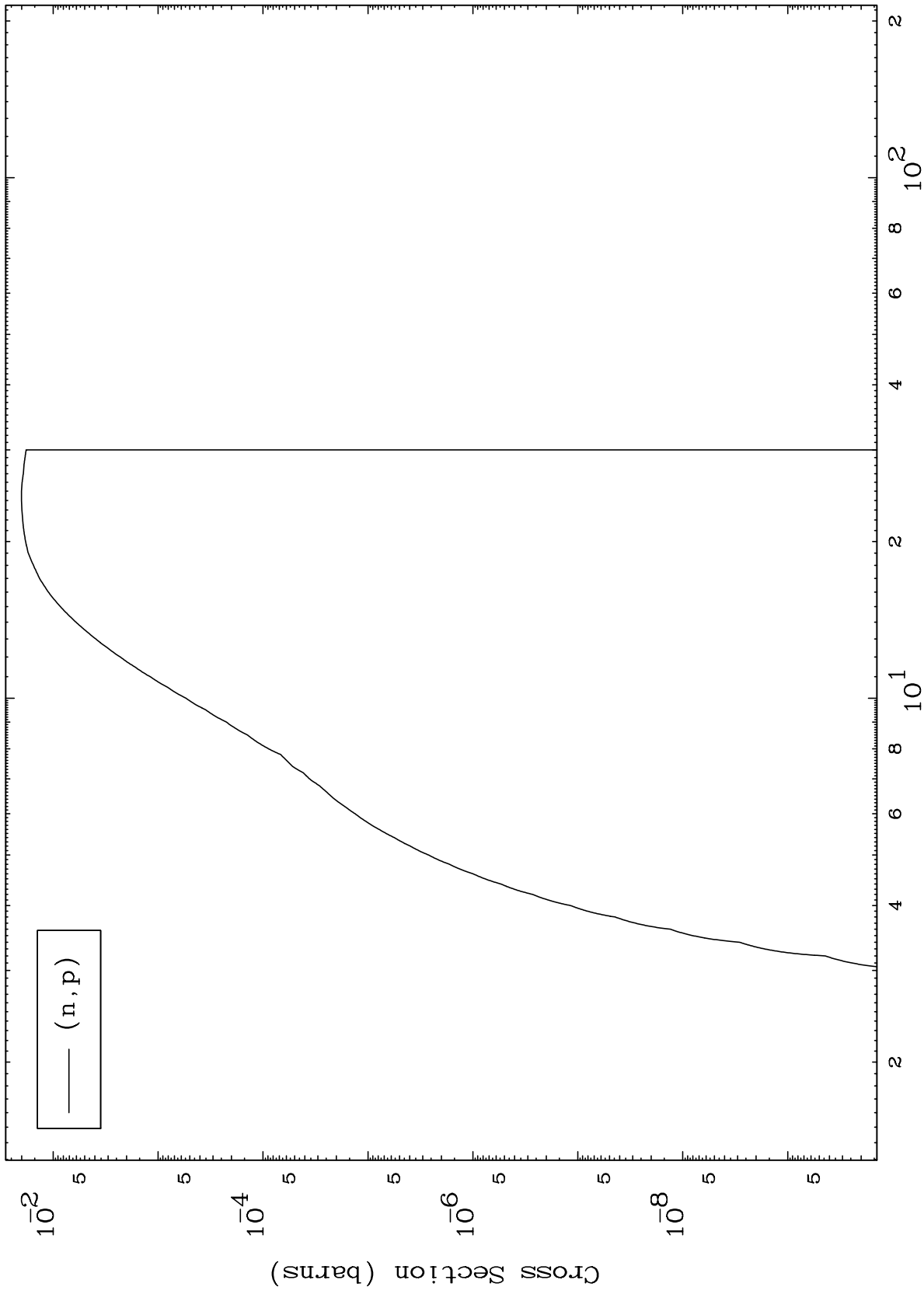
Incident Energy (MeV)

60-Nd-142

MAT 6025

(n,p) Levels
293 Kelvin Cross Sections

60-Nd-142



10

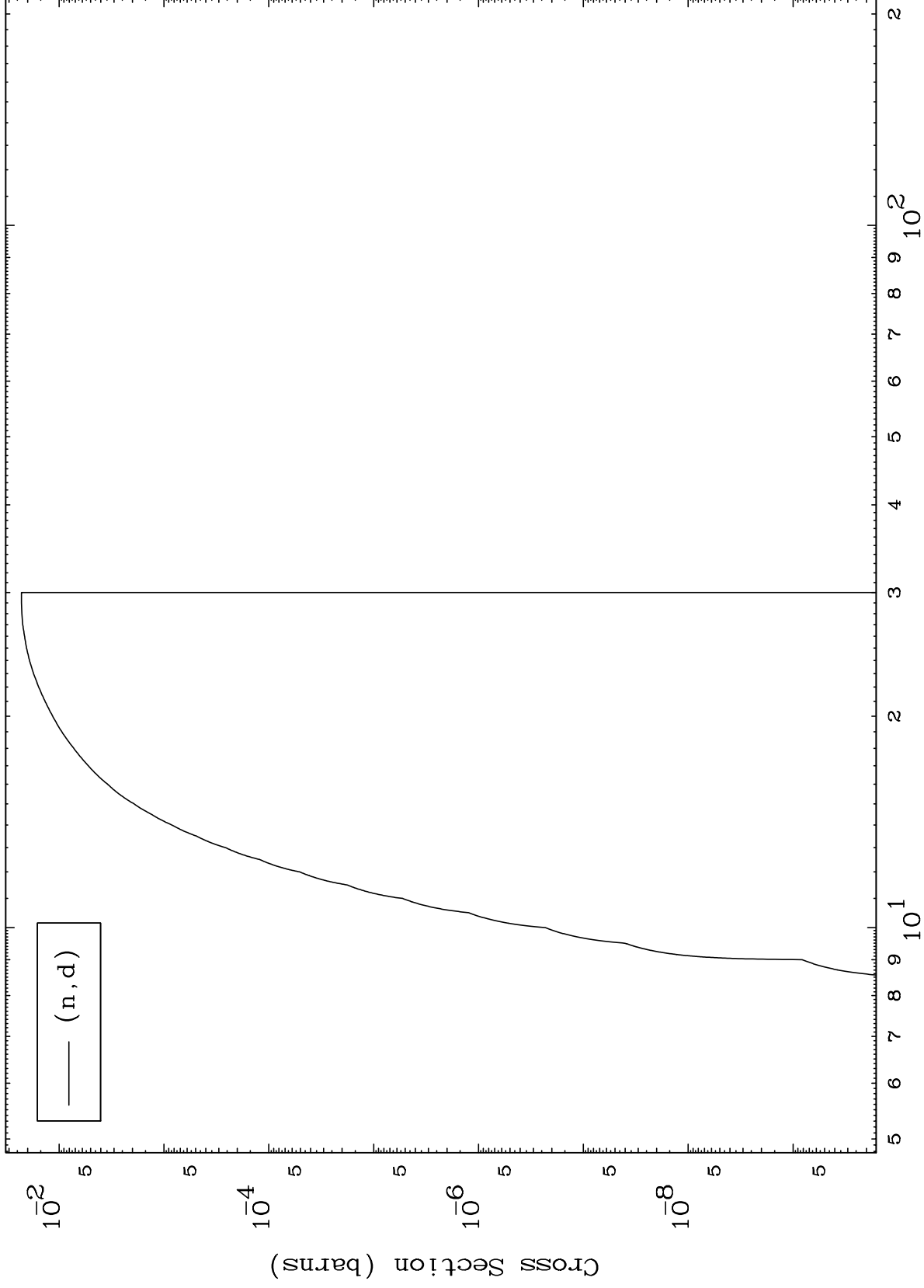
Incident Energy (MeV)

60-Nd-142

MAT 6025

(n,d) Levels
293 Kelvin Cross Sections

60-Nd-142



11

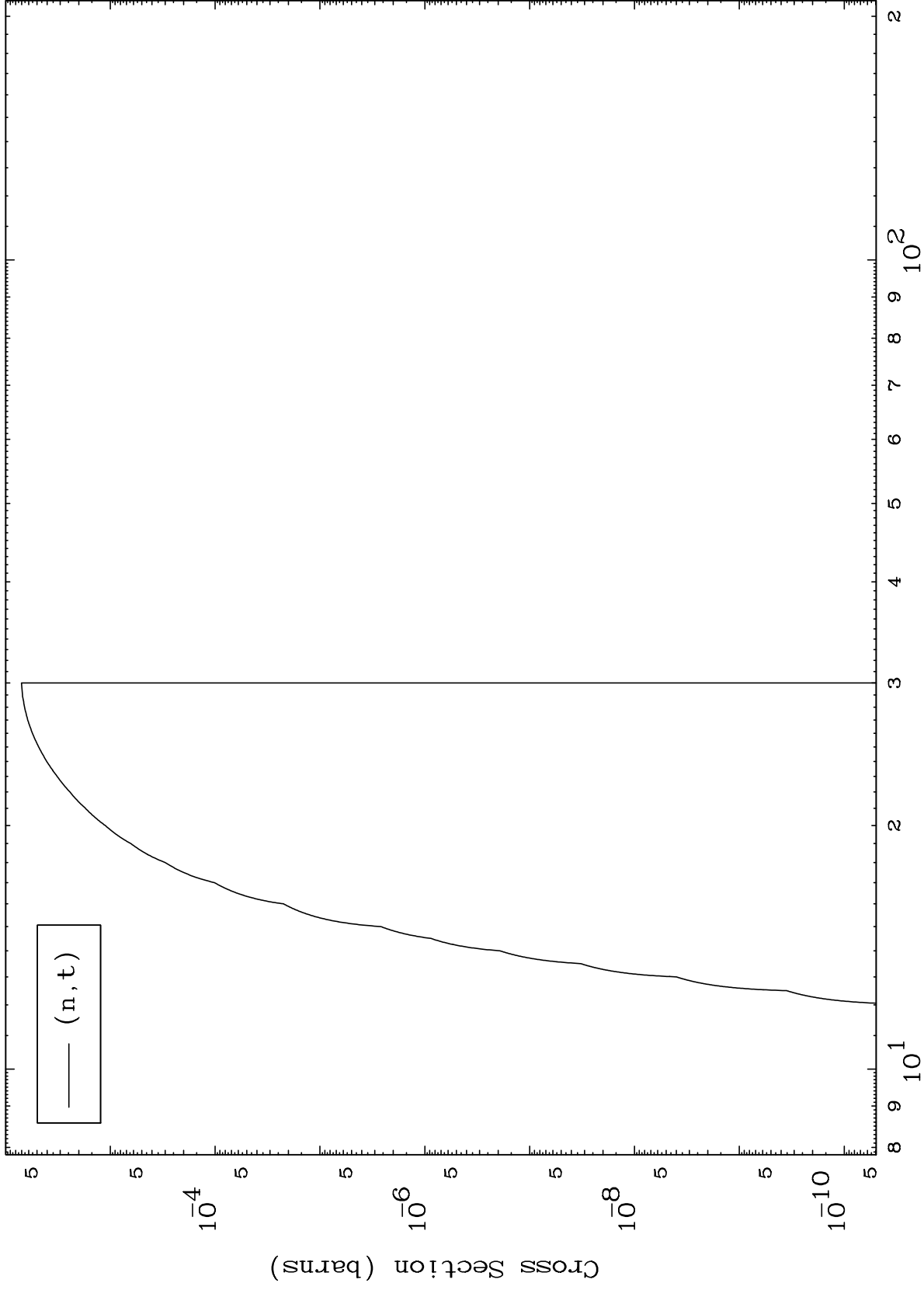
Incident Energy (MeV)

60-Nd-142

MAT 6025

(n,t) Levels
293 Kelvin Cross Sections

60-Nd-142



12

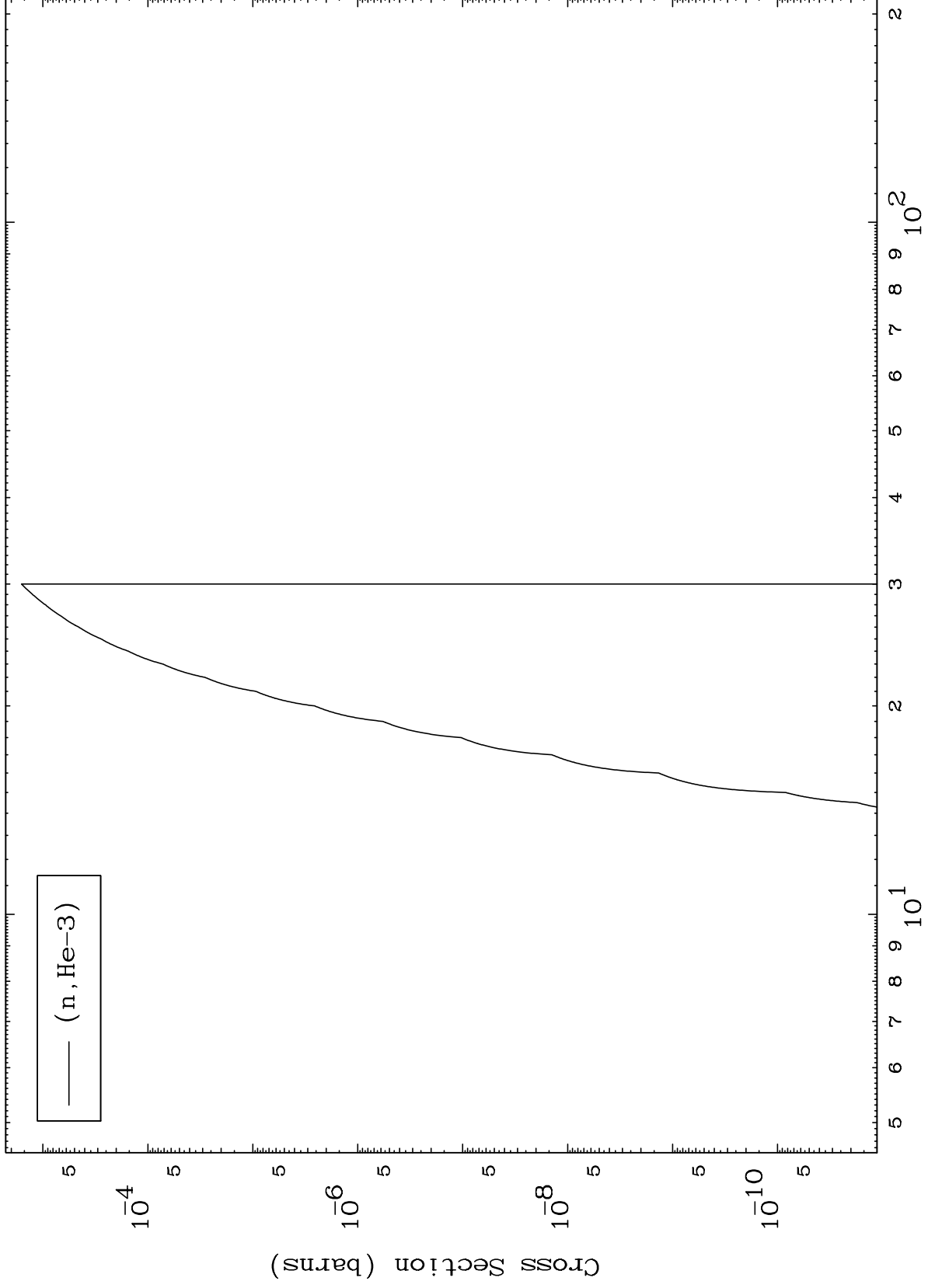
Incident Energy (MeV)

60-Nd-142

MAT 6025

(n,He3) Levels
293 Kelvin Cross Sections

60-Nd-142



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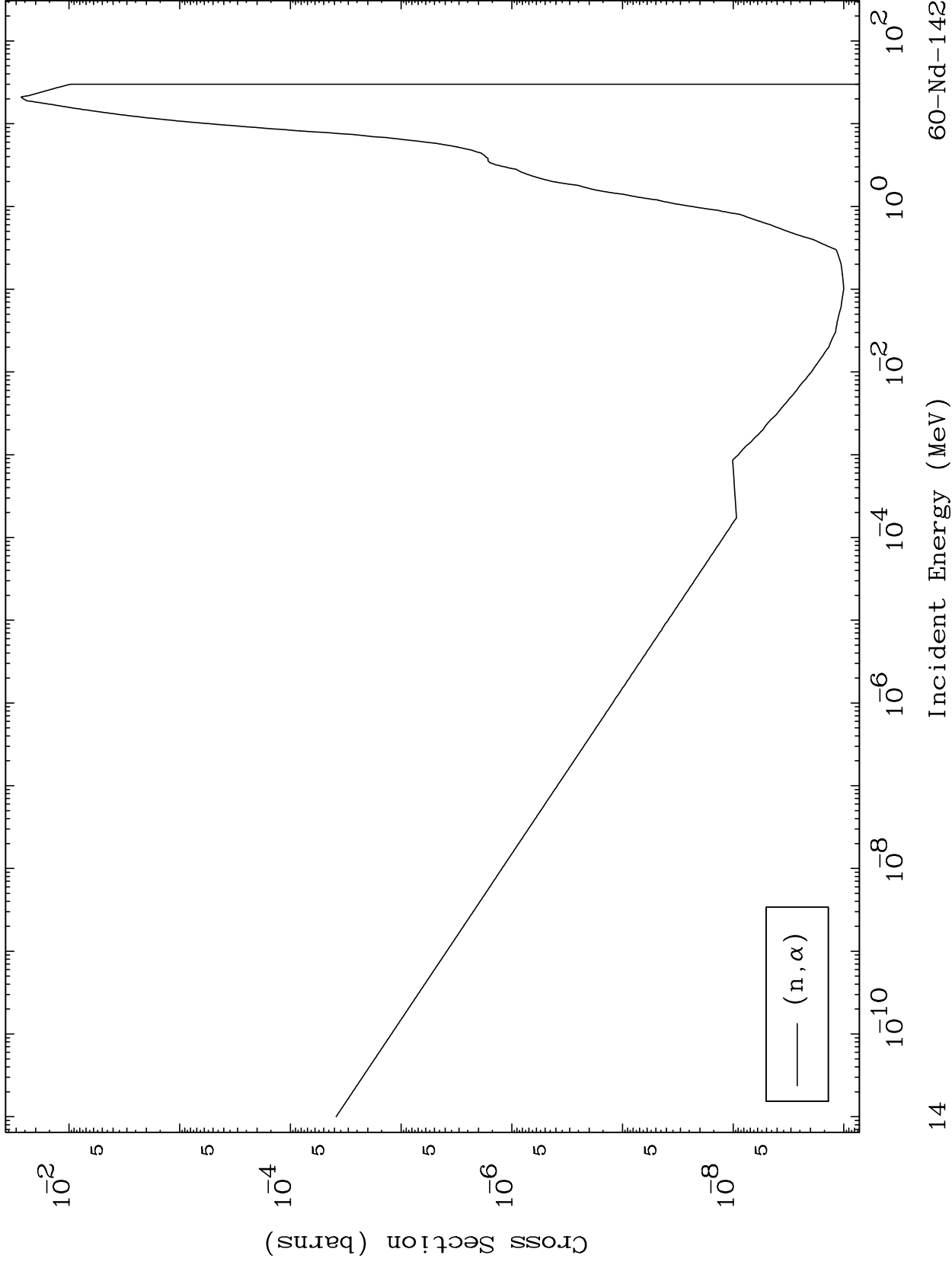
Incident Energy (MeV)

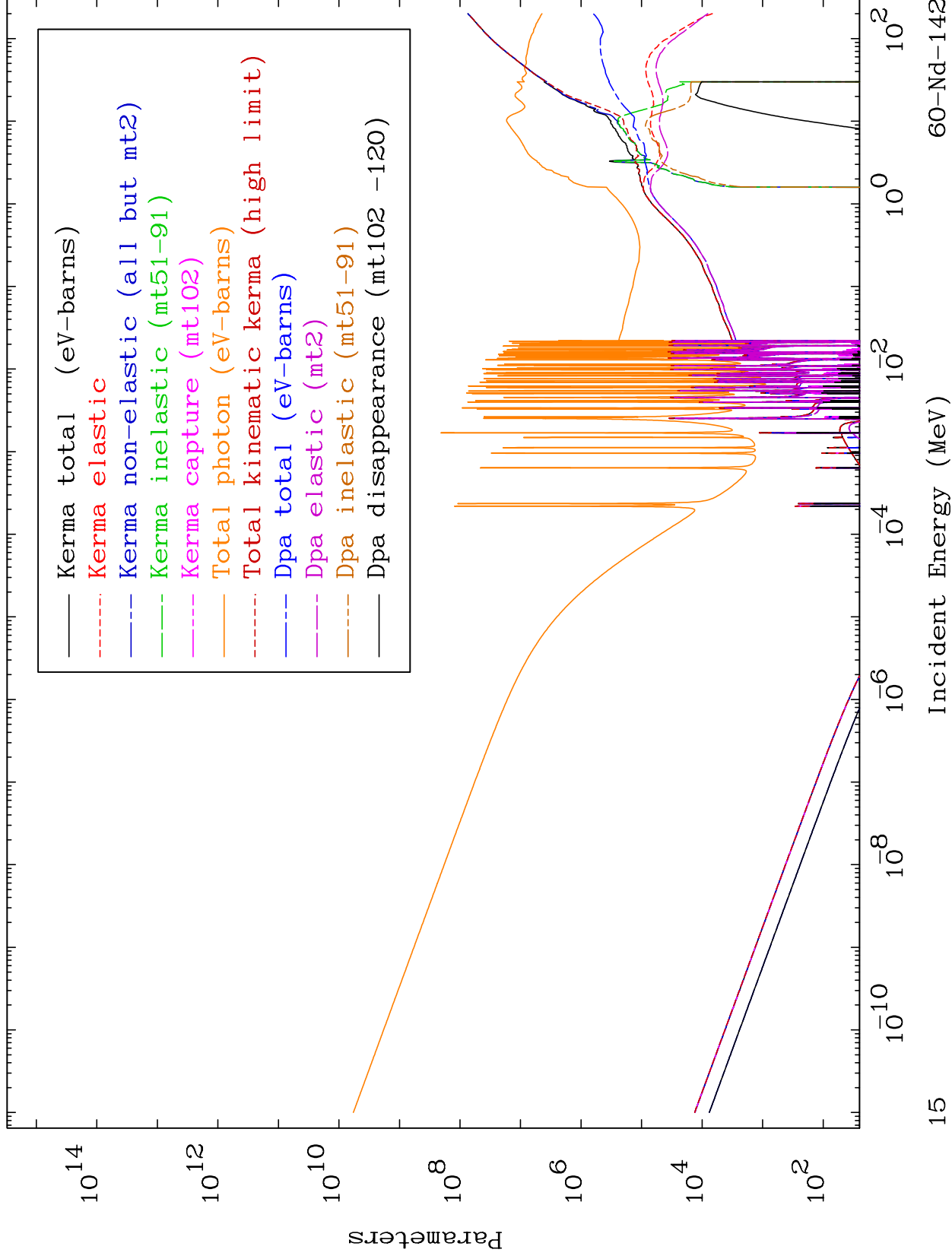
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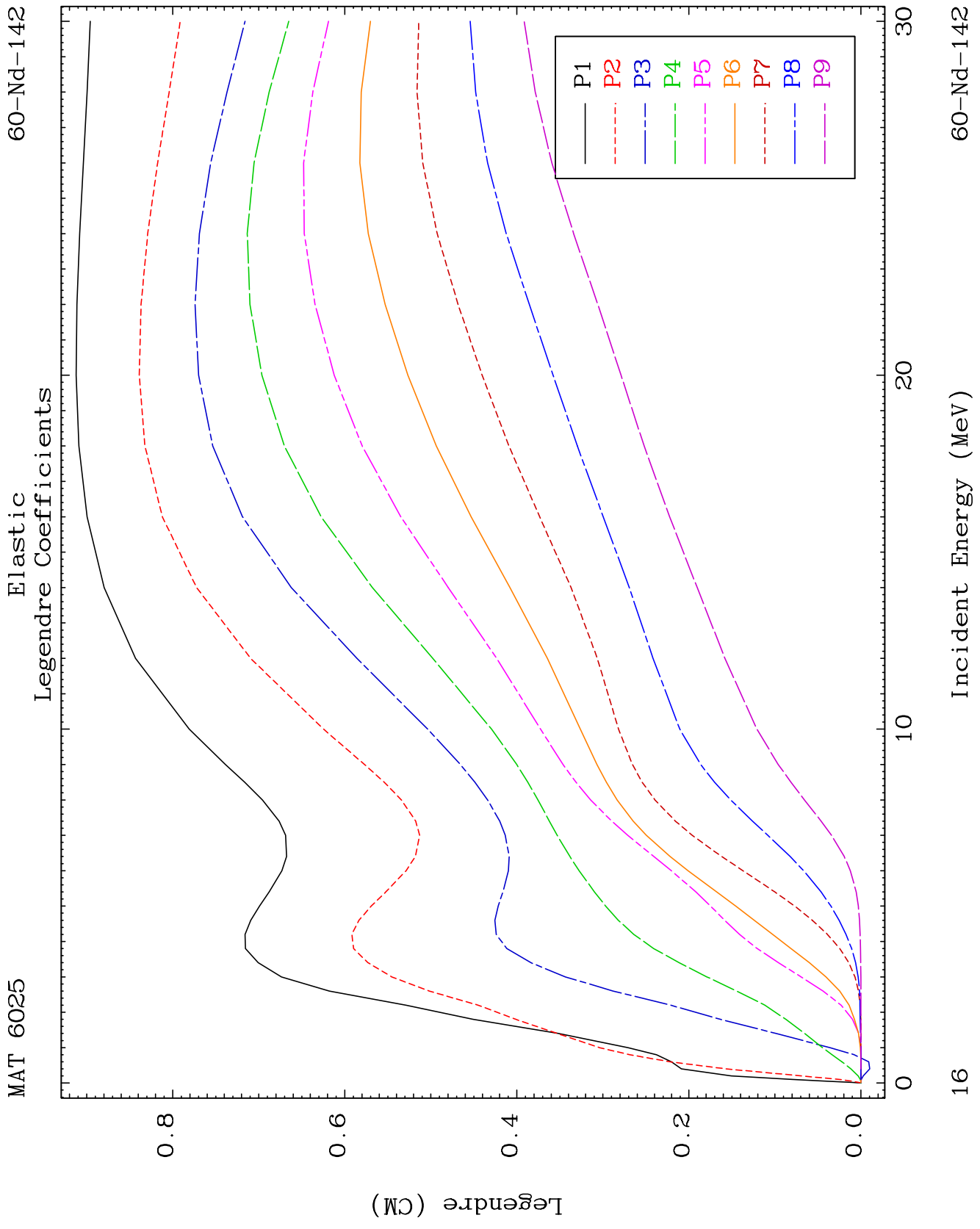
MAT 6025

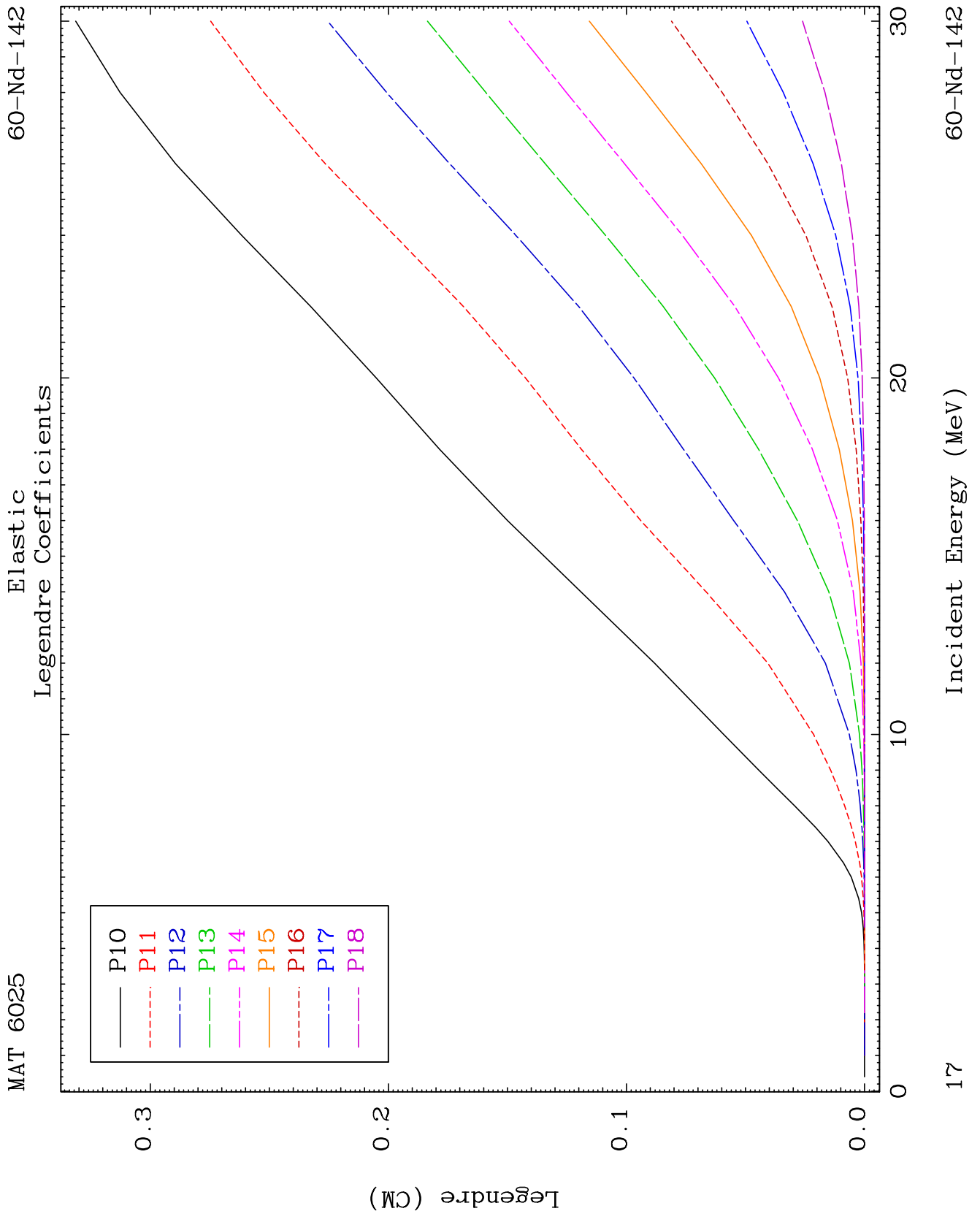
(n, α) Levels
293 Kelvin Cross Sections

60-Nd-142





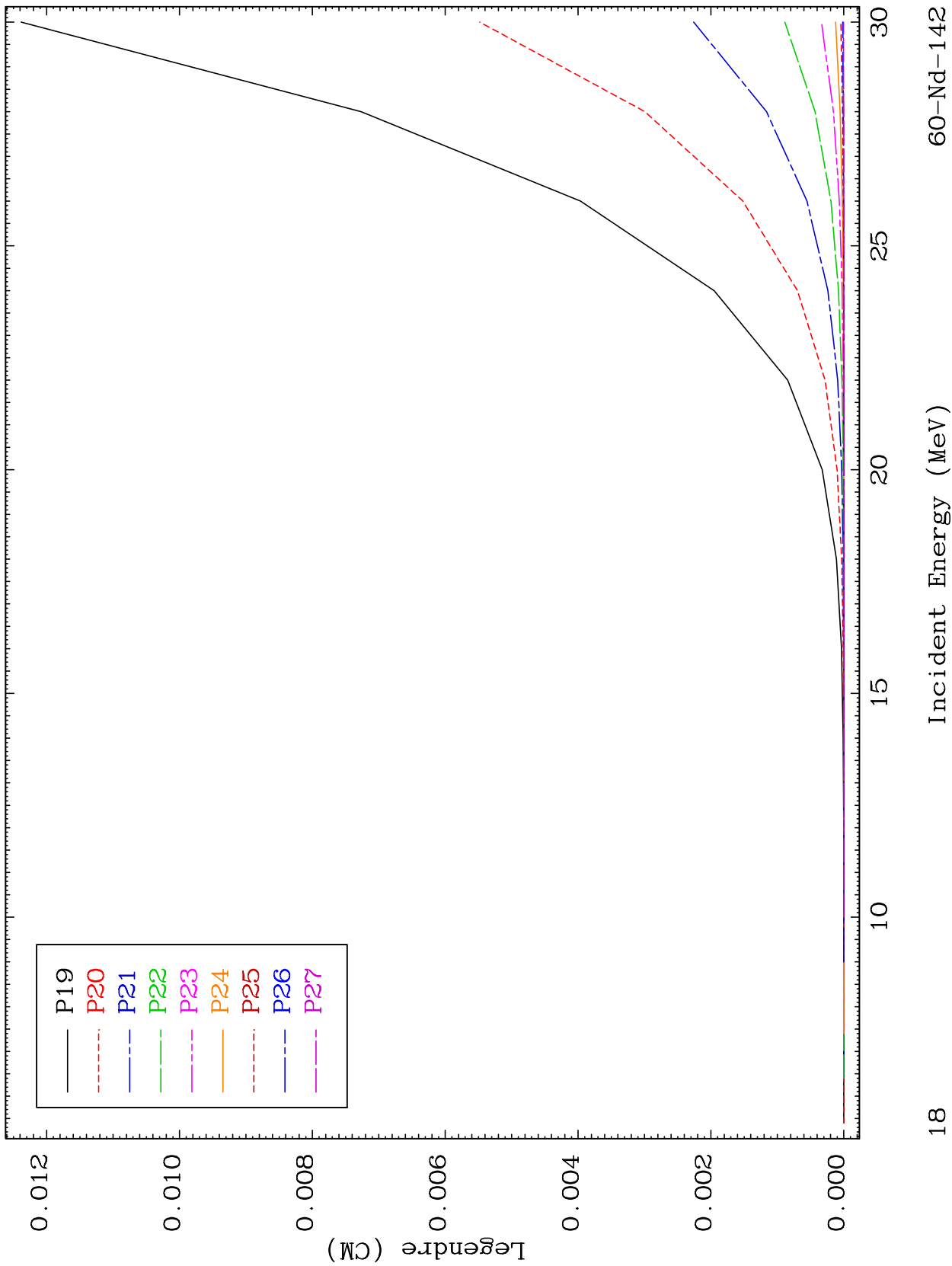




MAT 6025

Elastic Legendre Coefficients

60-Nd-142



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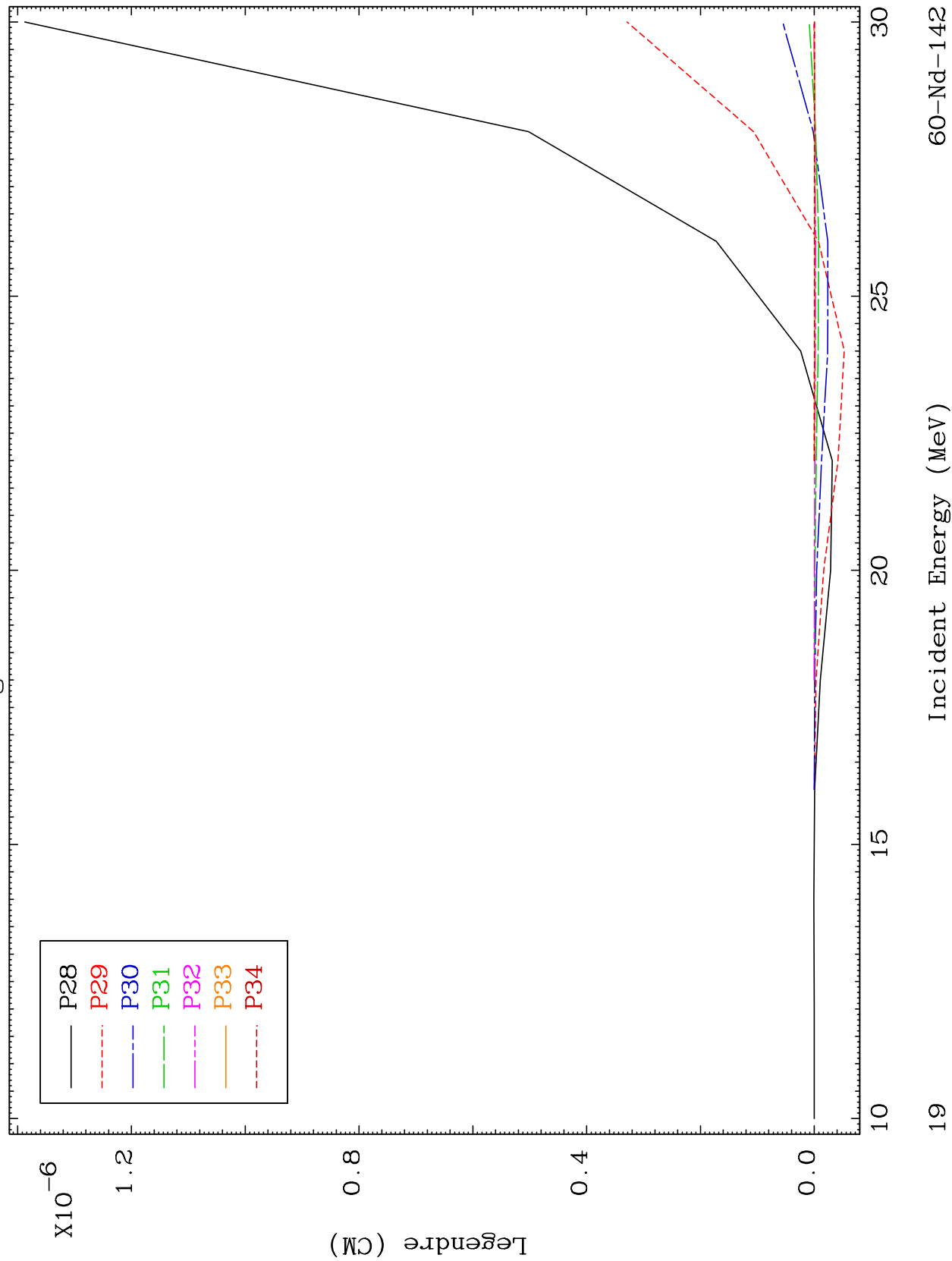
Incident Energy (MeV)

60-Nd-142

MAT 6025

Elastic
Legendre Coefficients

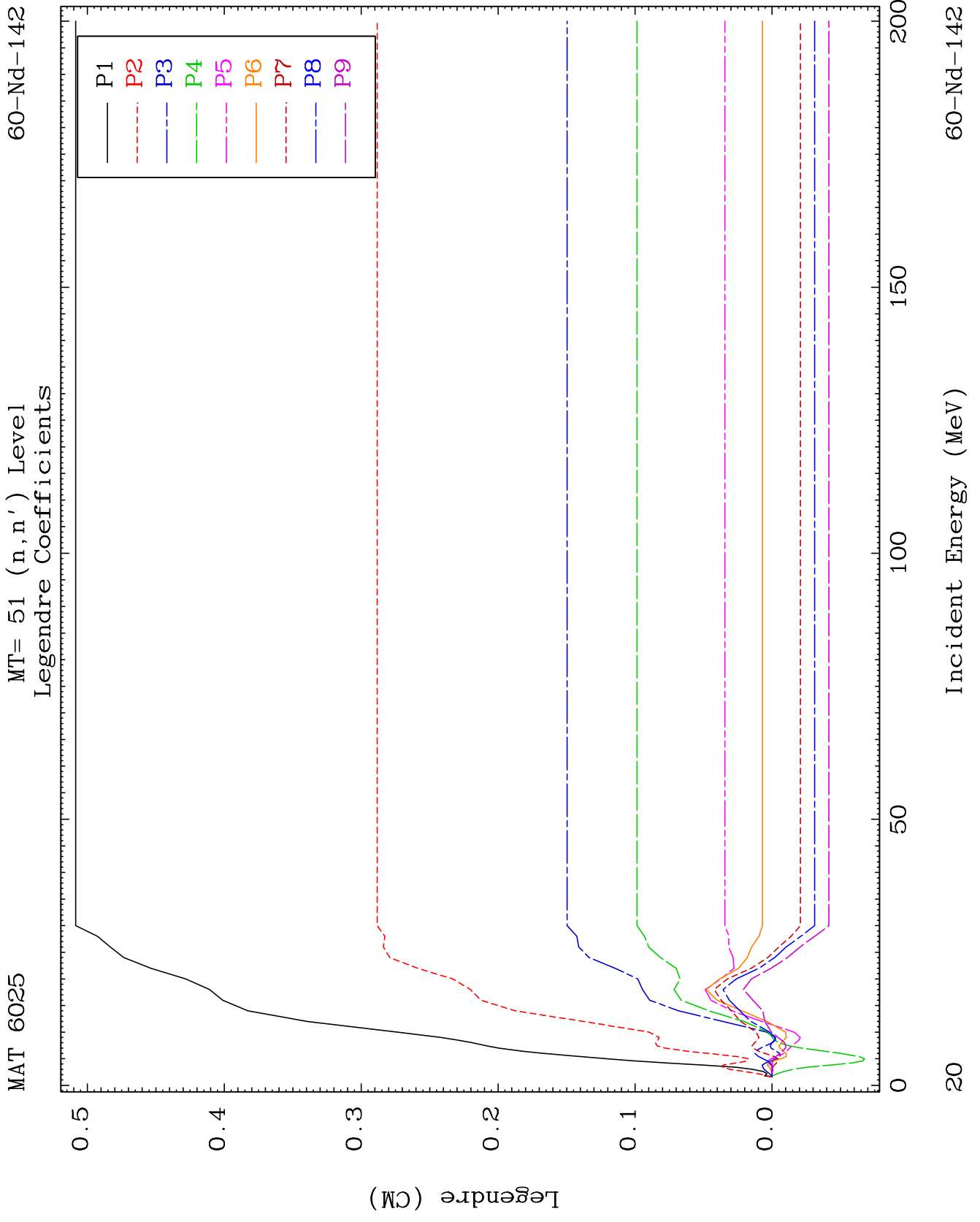
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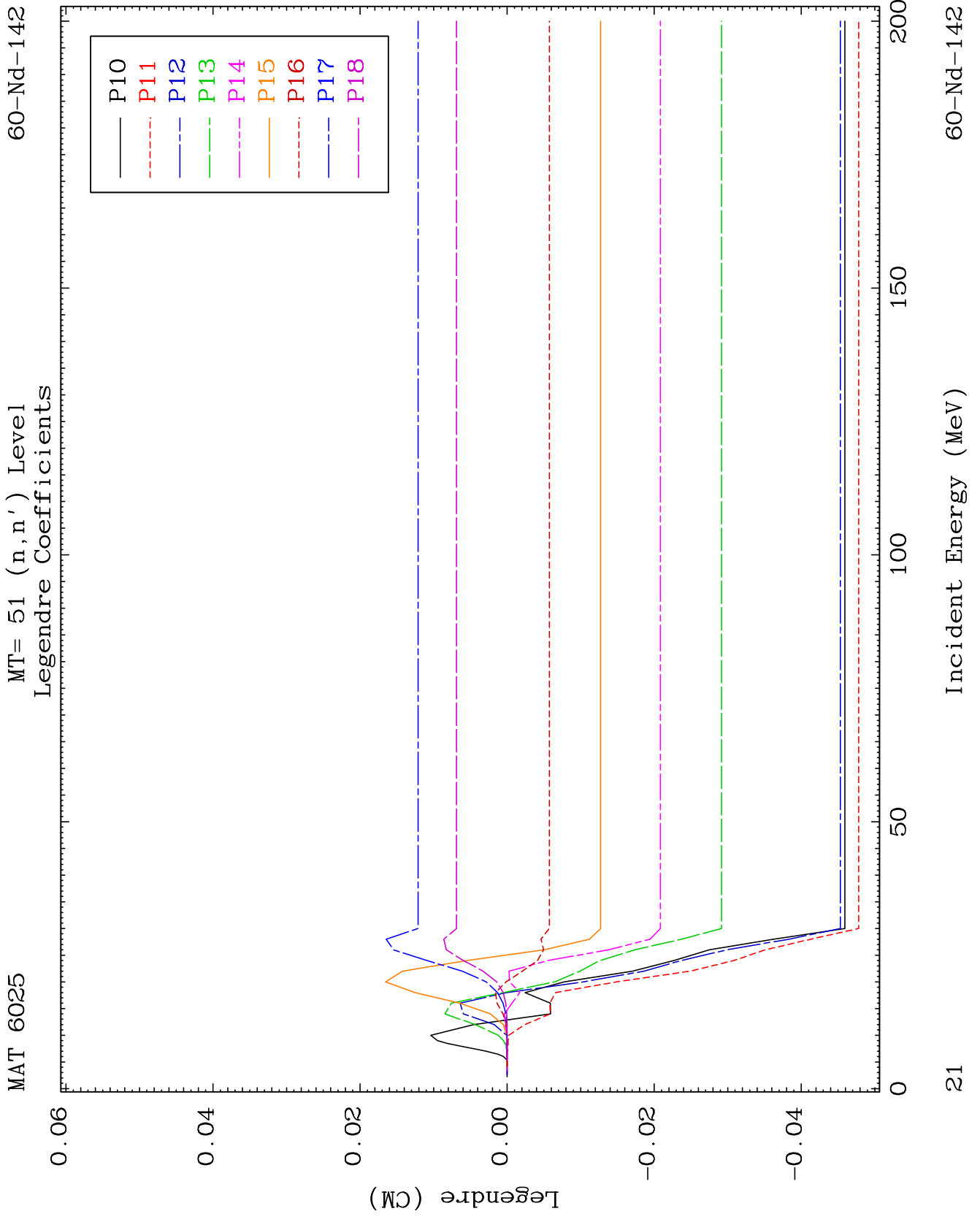


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Incident Energy (MeV)

60-Nd-142

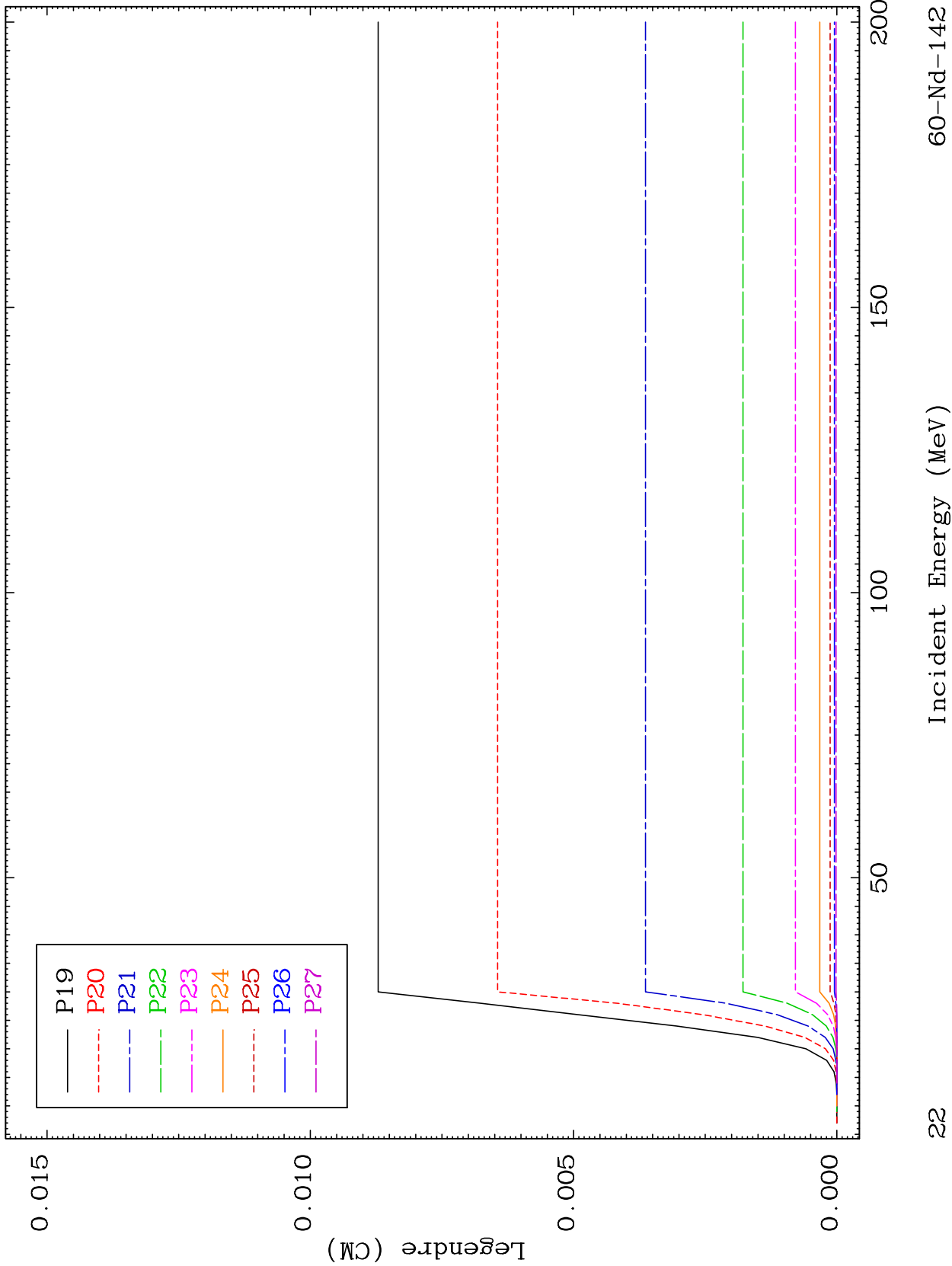




MAT 6025

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

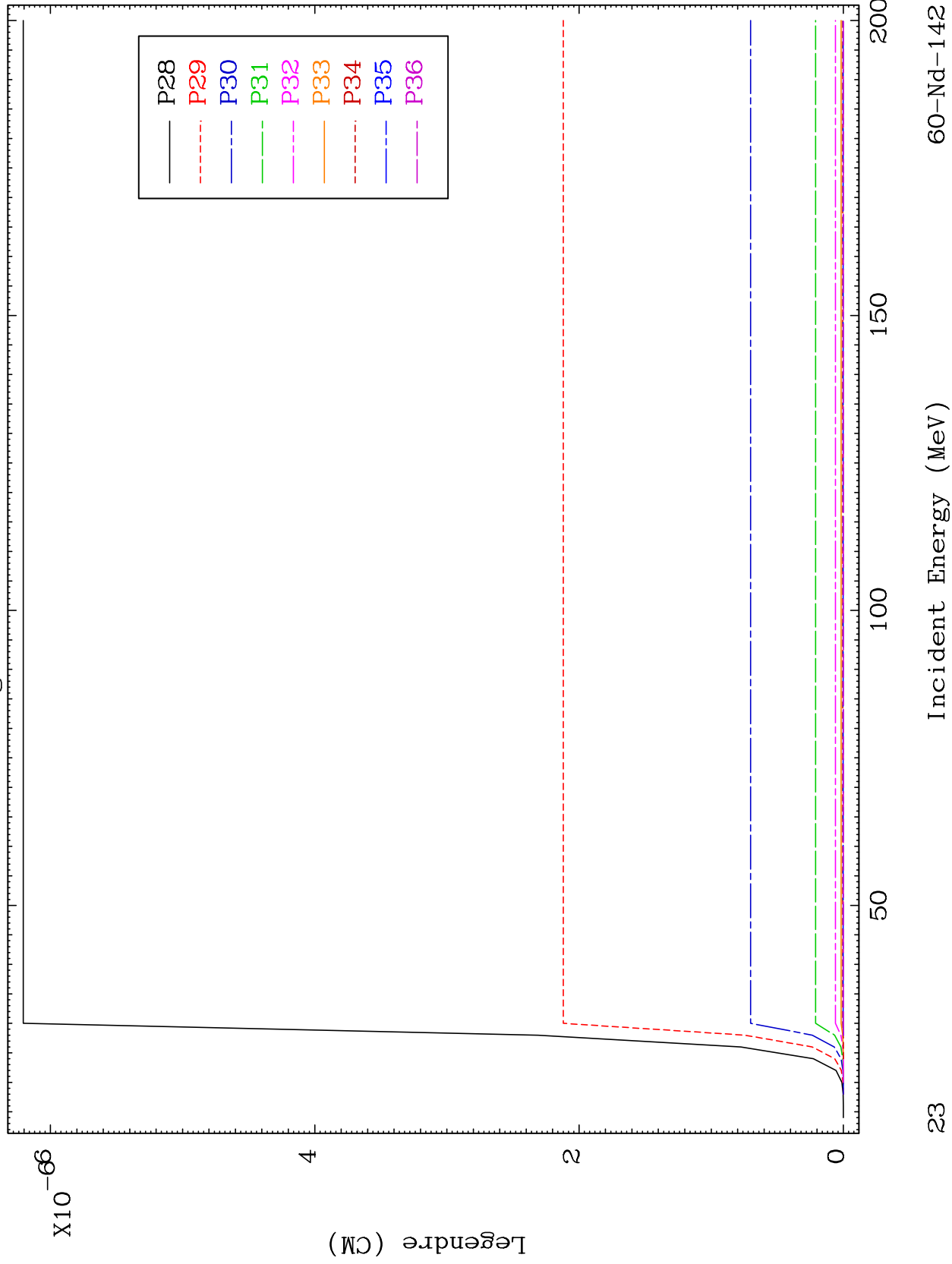
60-Nd-142



MAT 6025

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

60-Nd-142

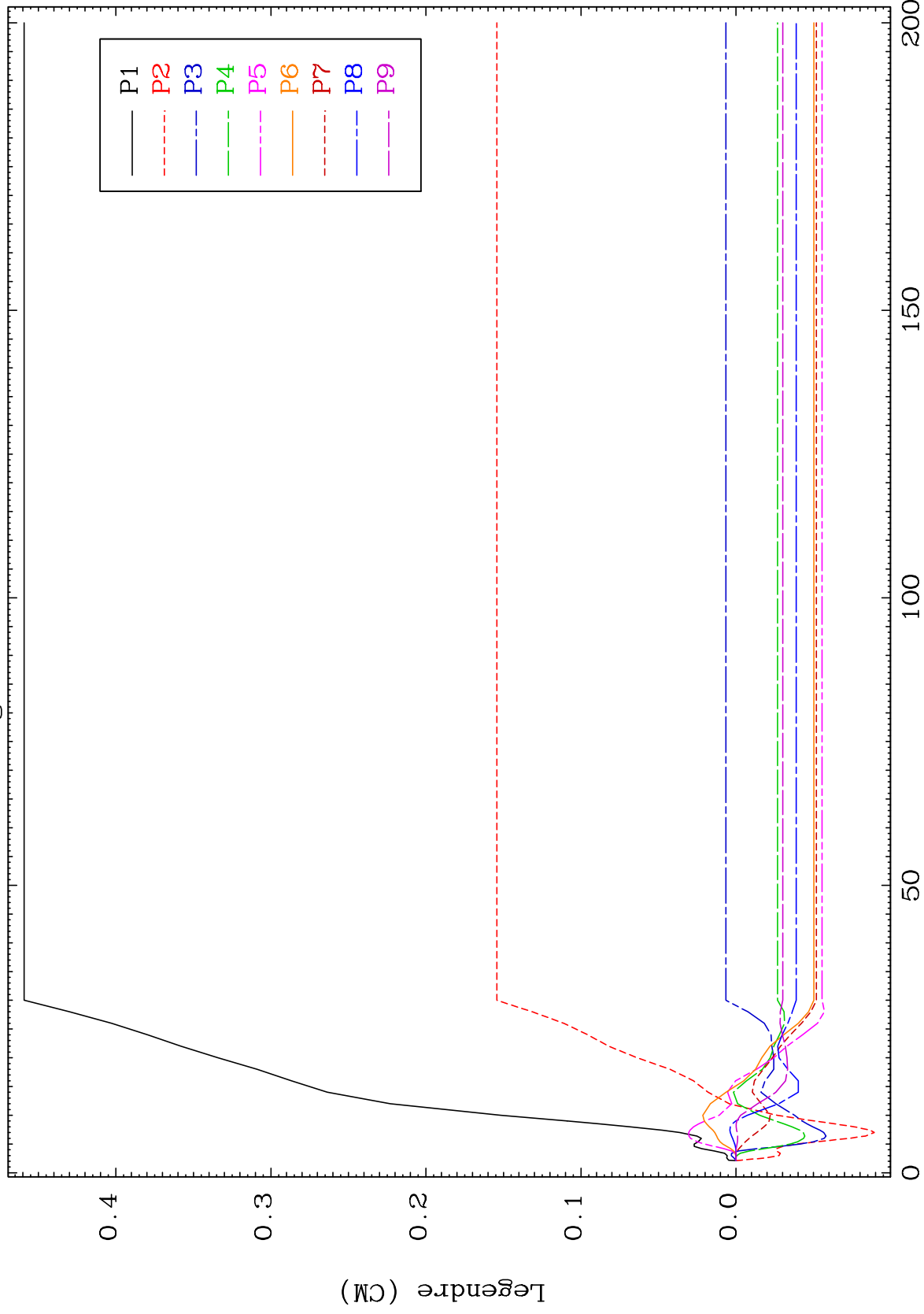


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MAT 6025

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

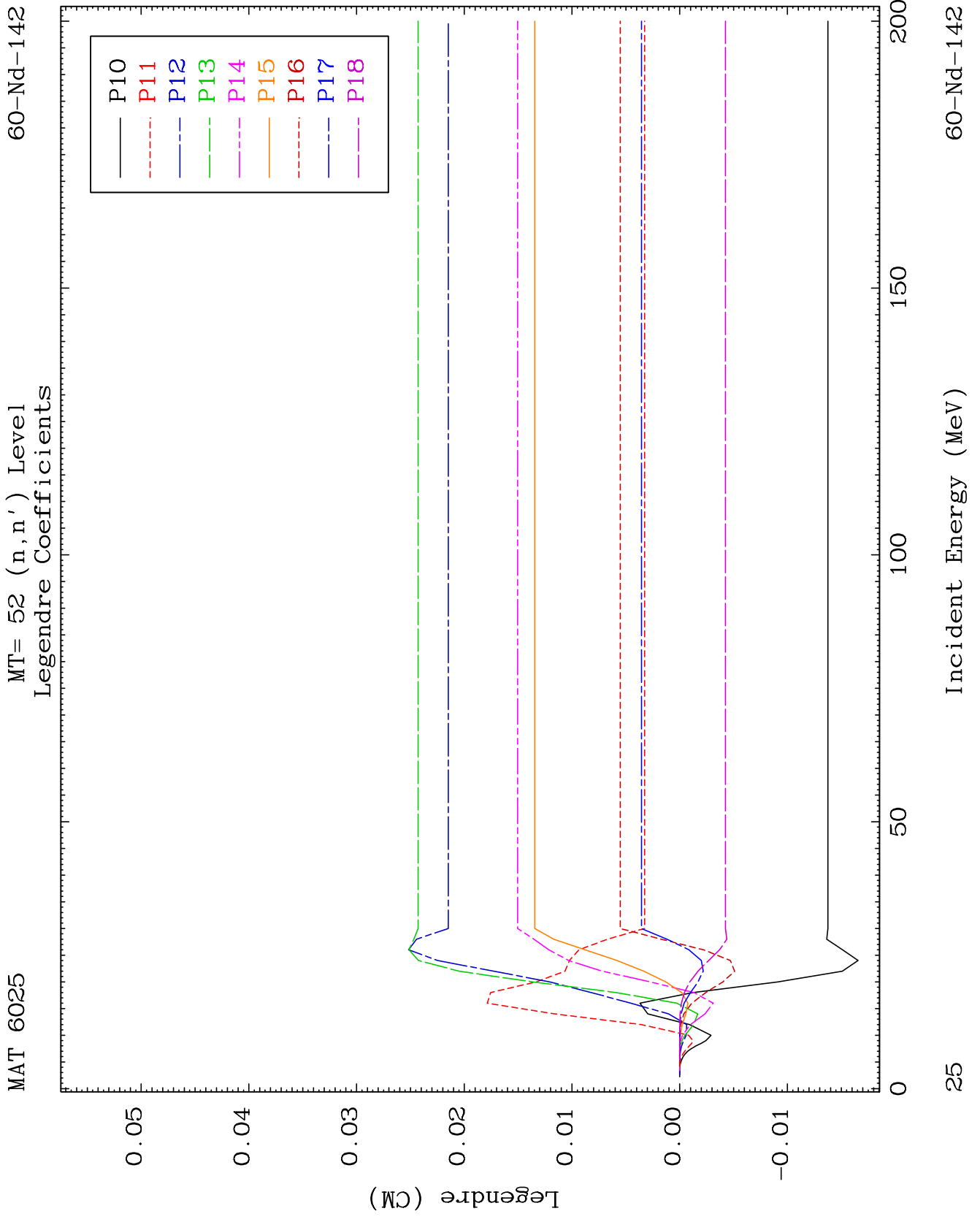
60-Nd-142



24

Incident Energy (MeV)

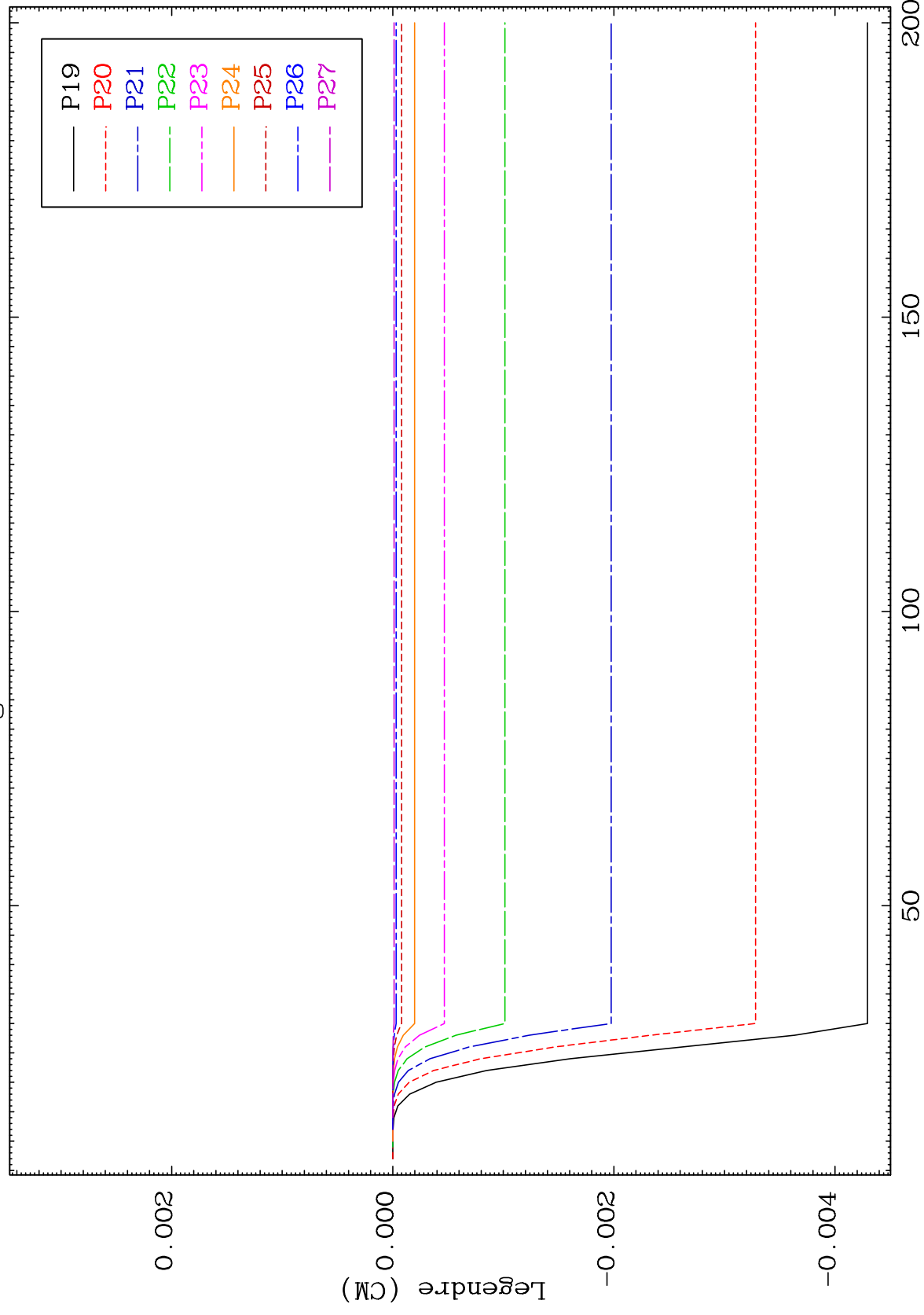
60-Nd-142



MAT 6025

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

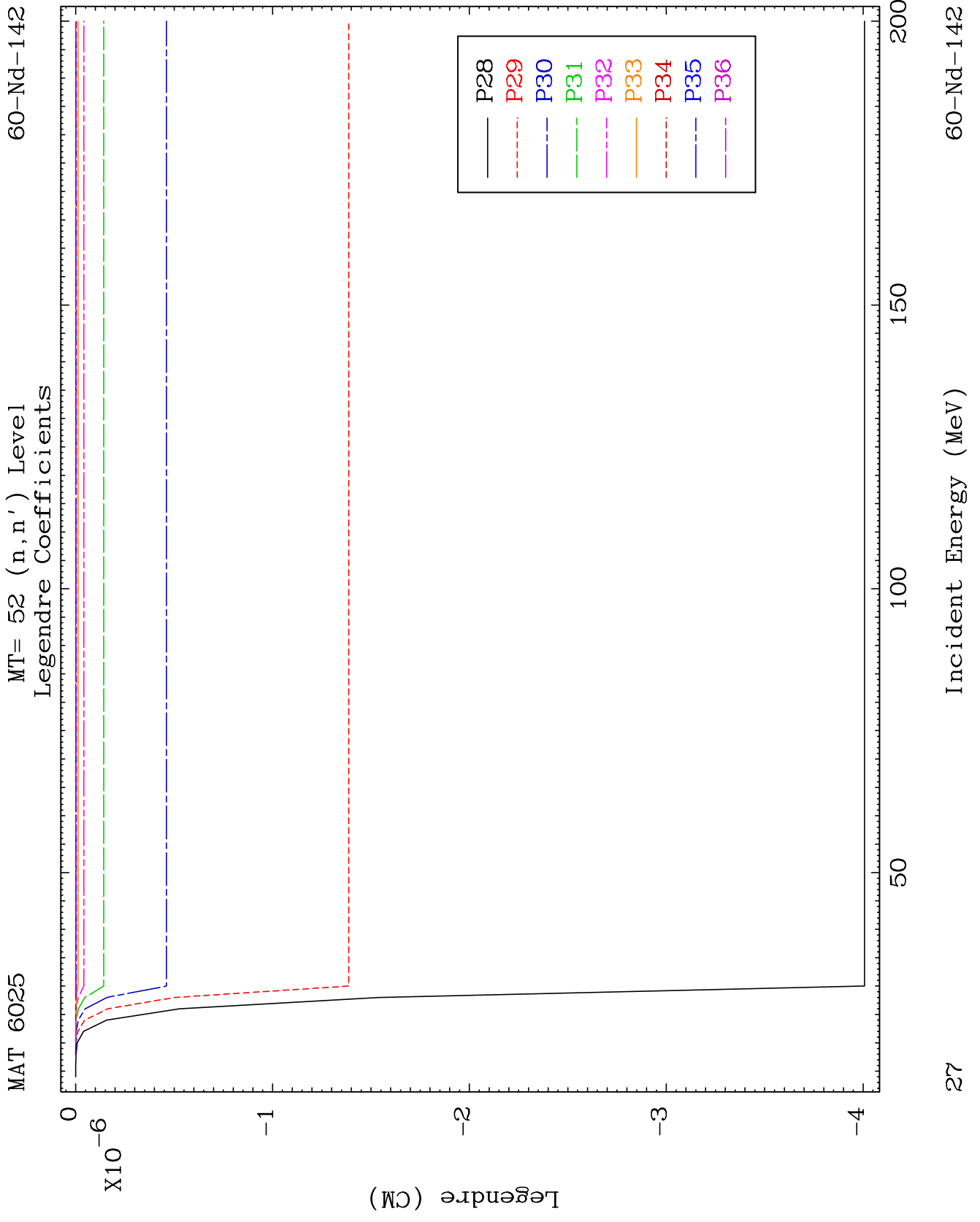
60-Nd-142



26

Incident Energy (MeV)

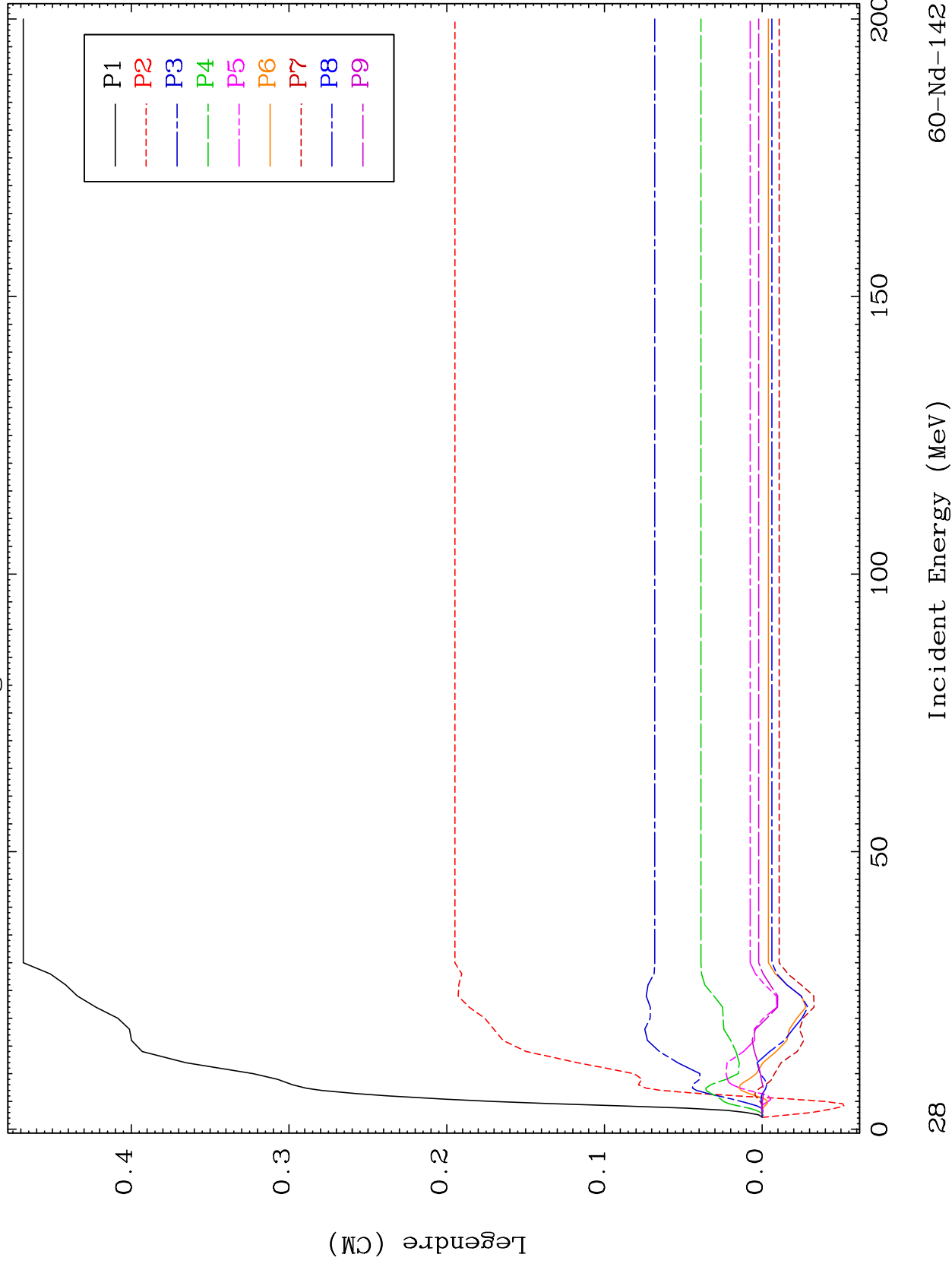
60-Nd-142



MAT 6025

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

60-Nd-142



60-Nd-142

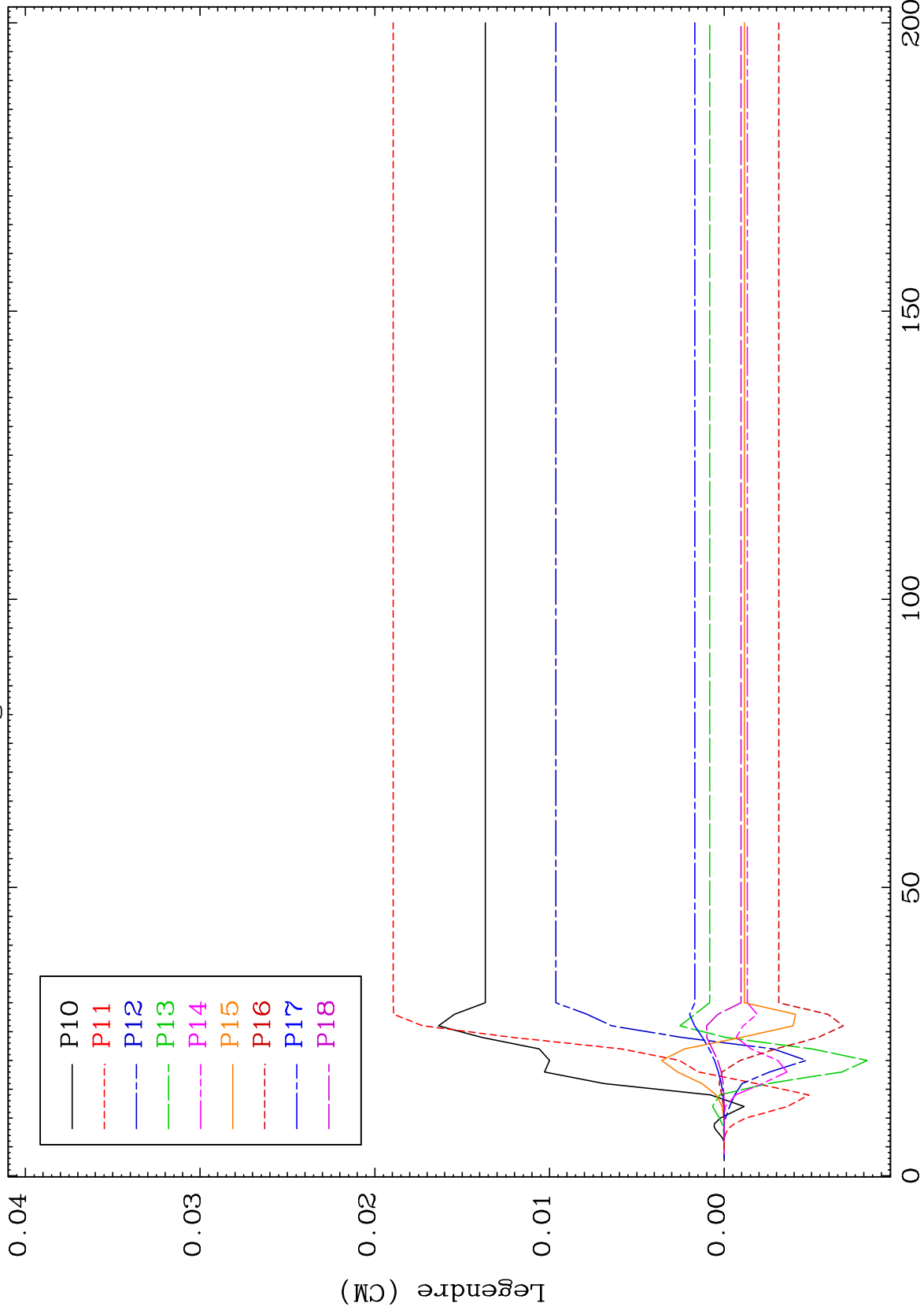
Incident Energy (MeV)

28

MAT 6025

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

60-Nd-142



29

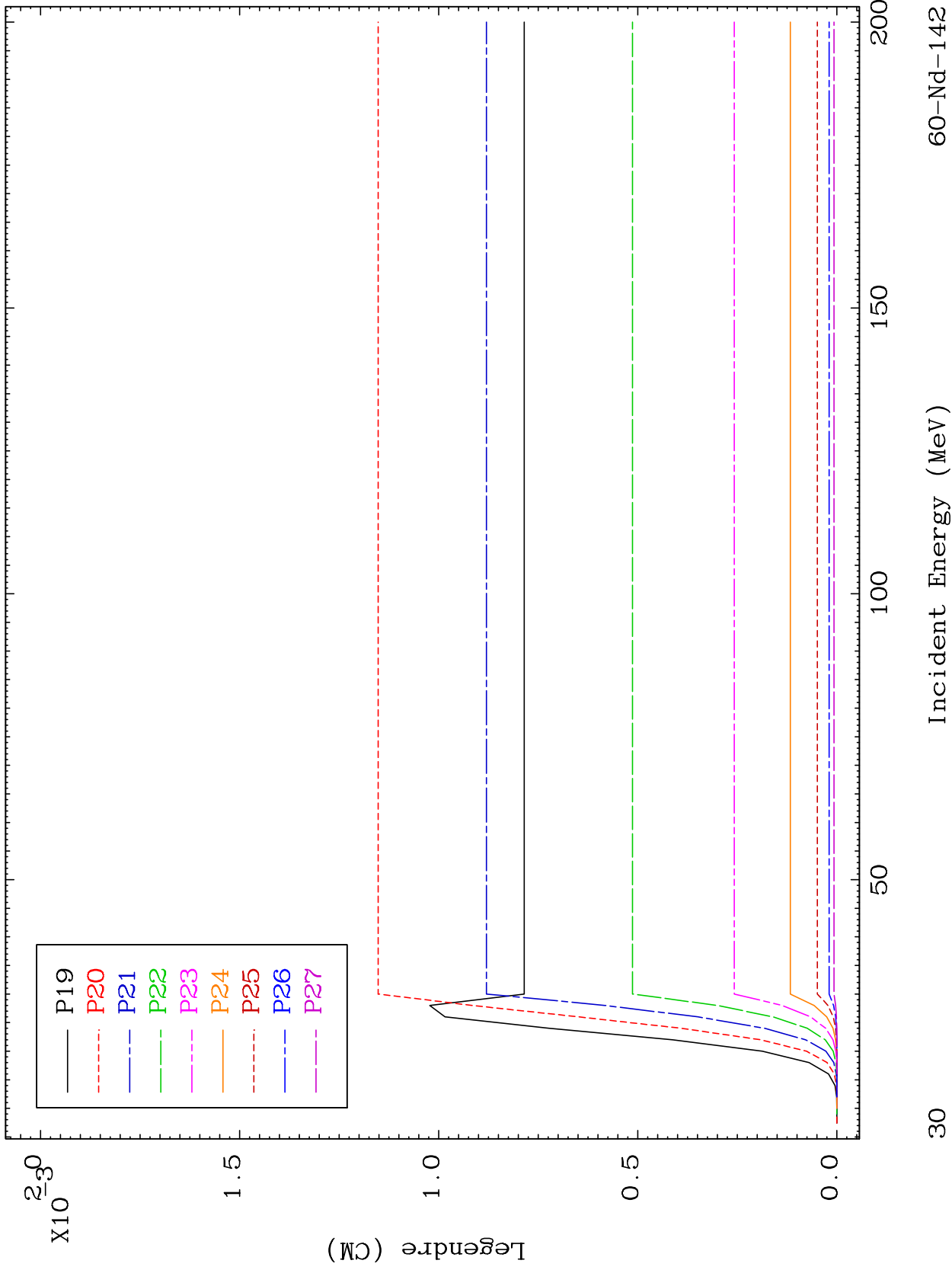
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

60-Nd-142



30

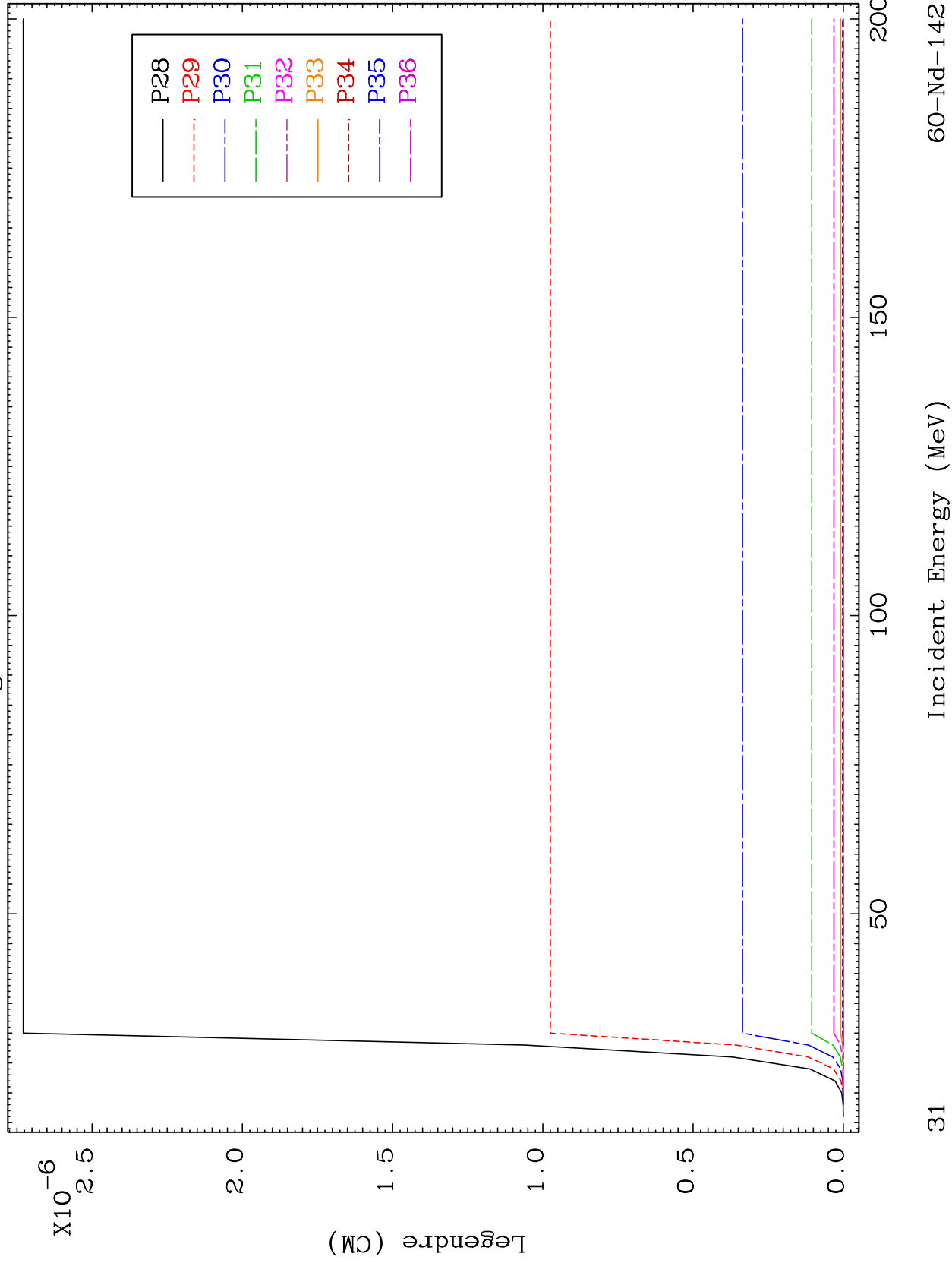
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

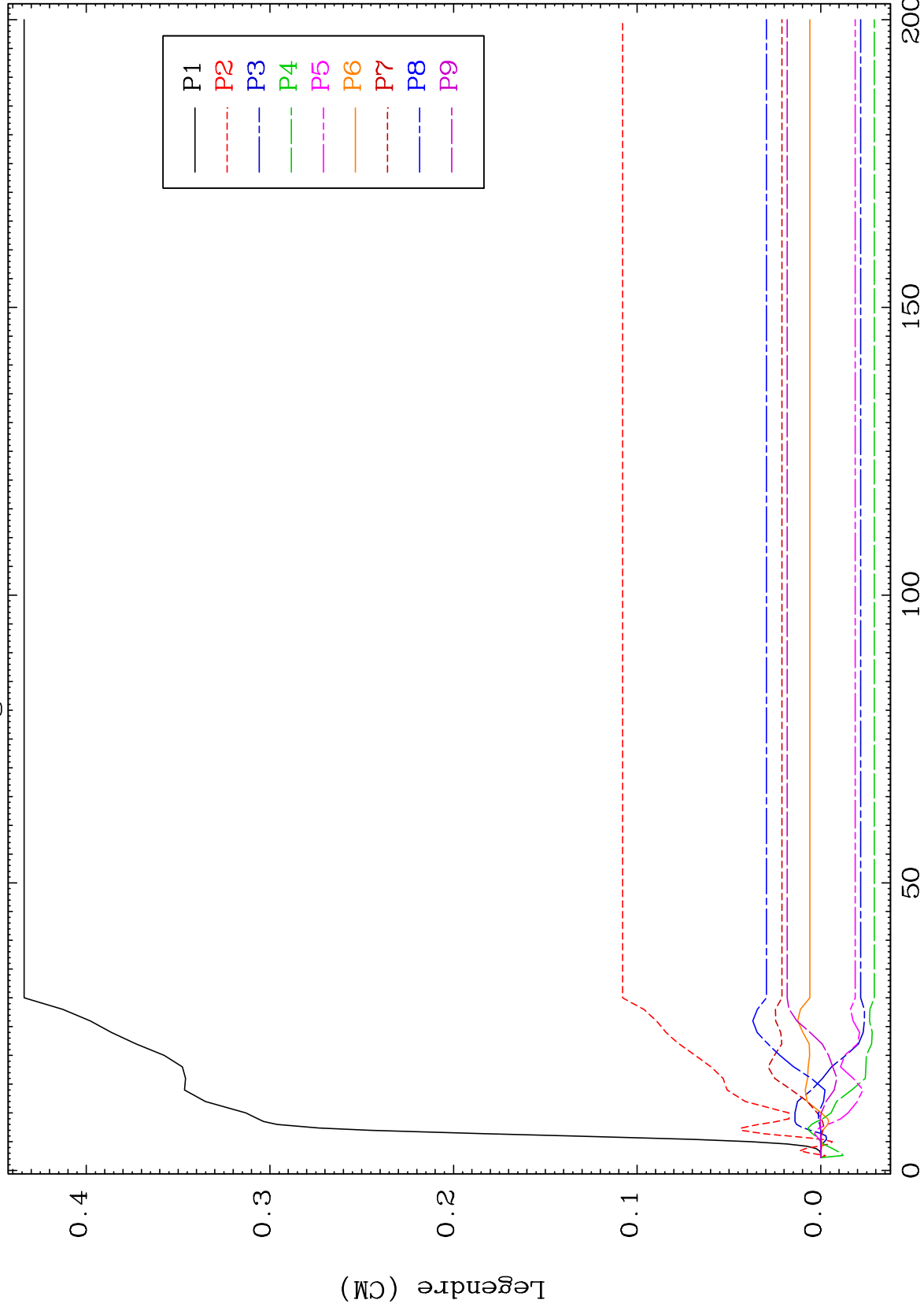
60-Nd-142



MAT 6025

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

60-Nd-142



60-Nd-142

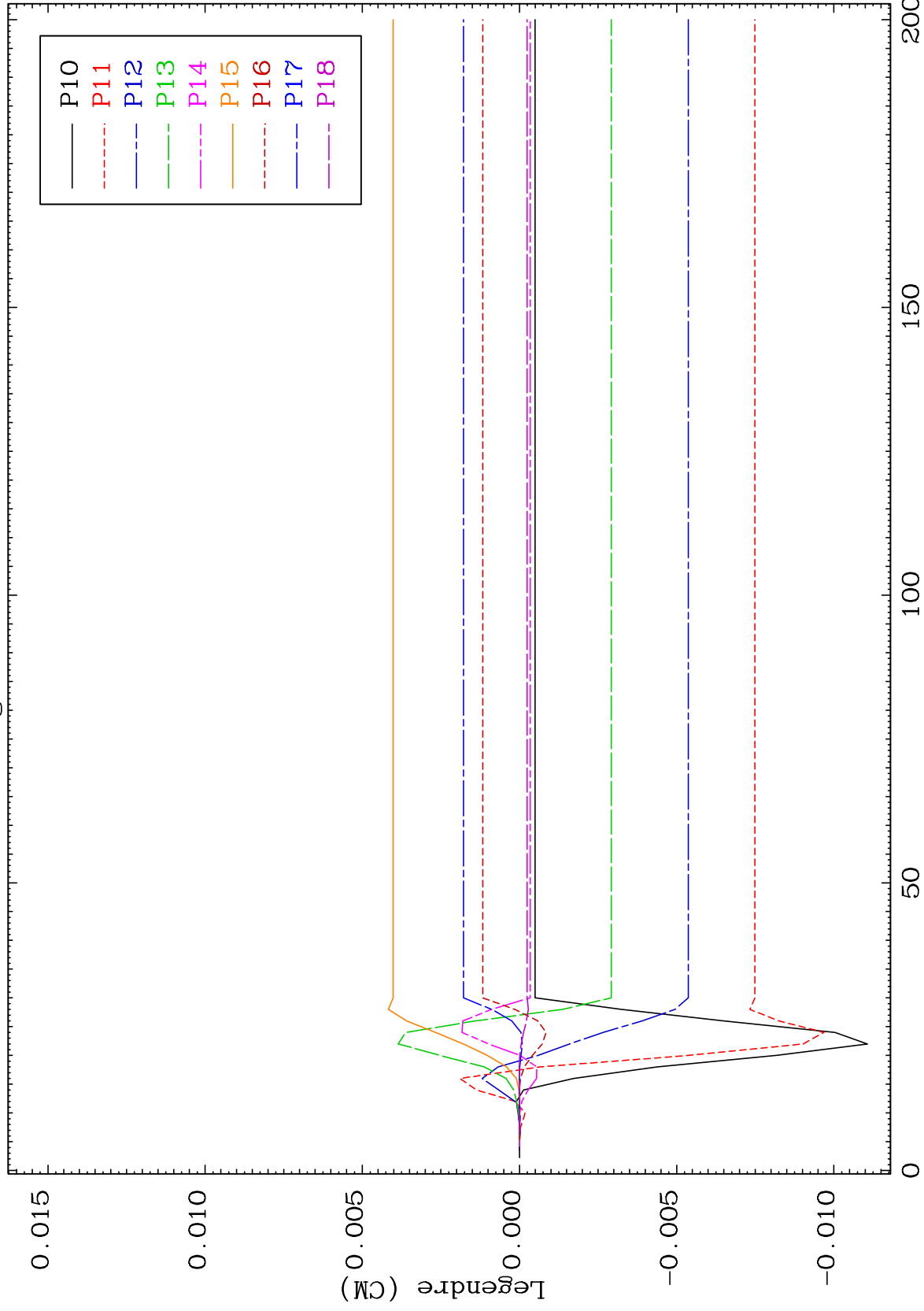
Incident Energy (MeV)

32

MAT 6025

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

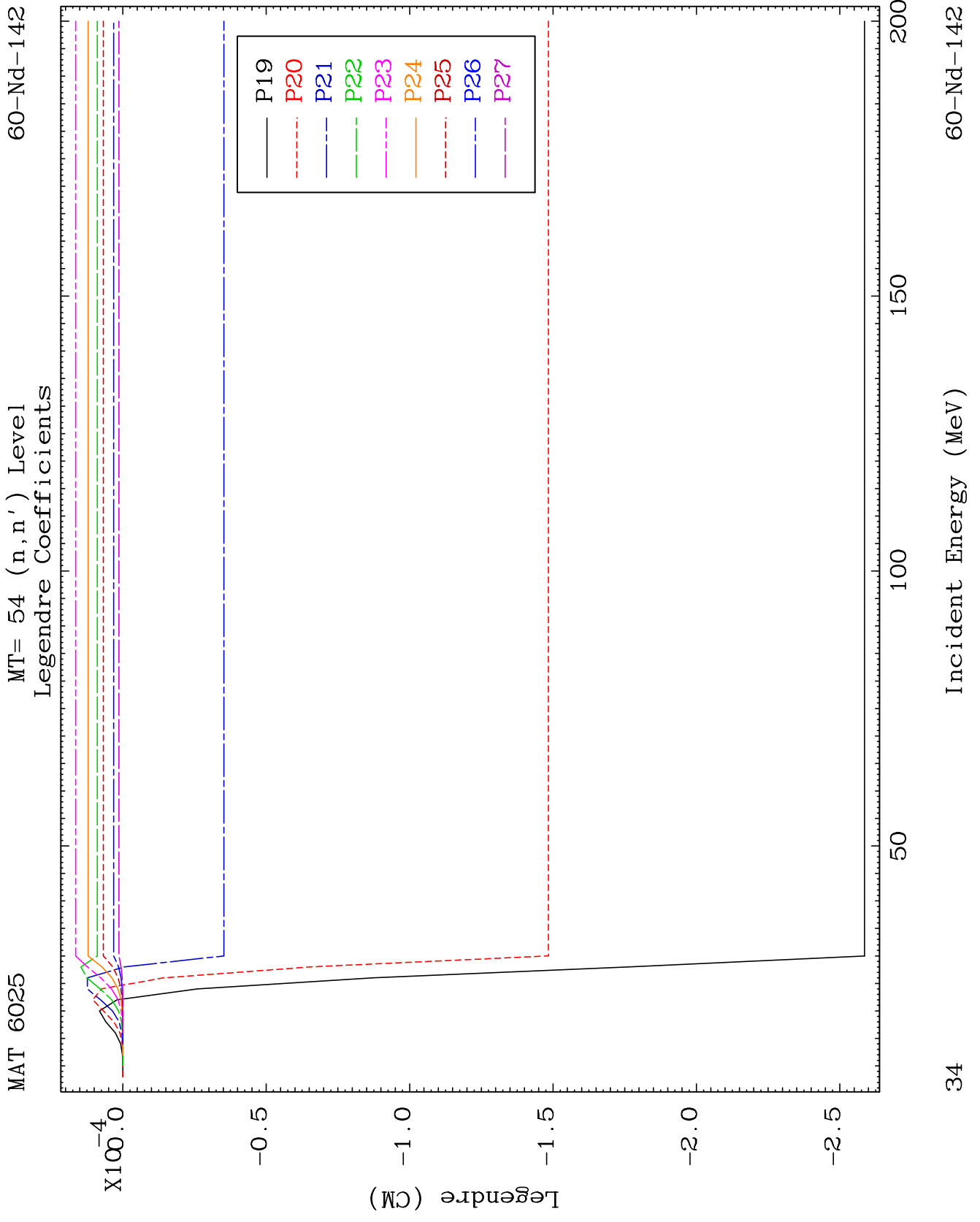
60-Nd-142



33

Incident Energy (MeV)

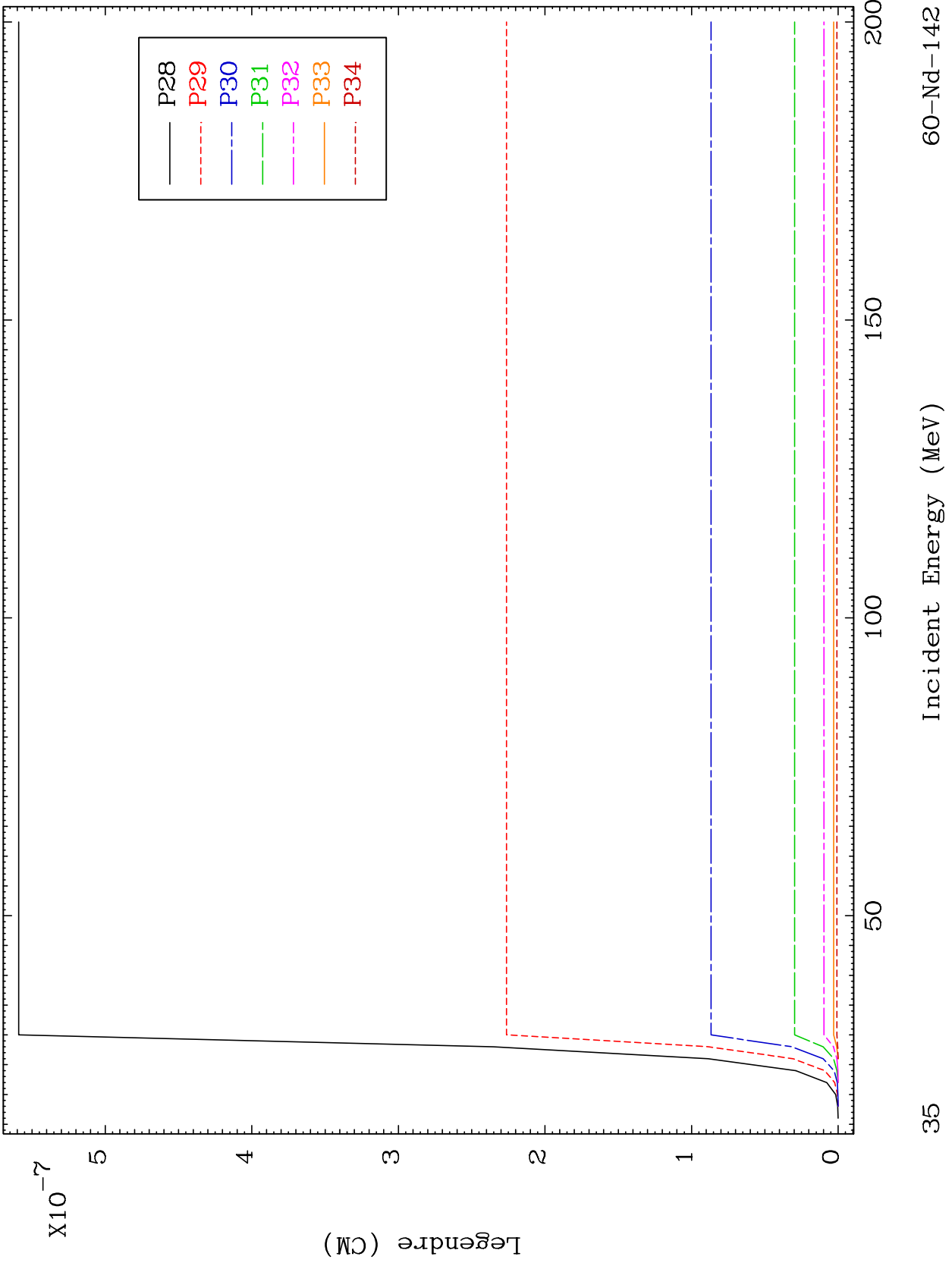
60-Nd-142



MAT 6025

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

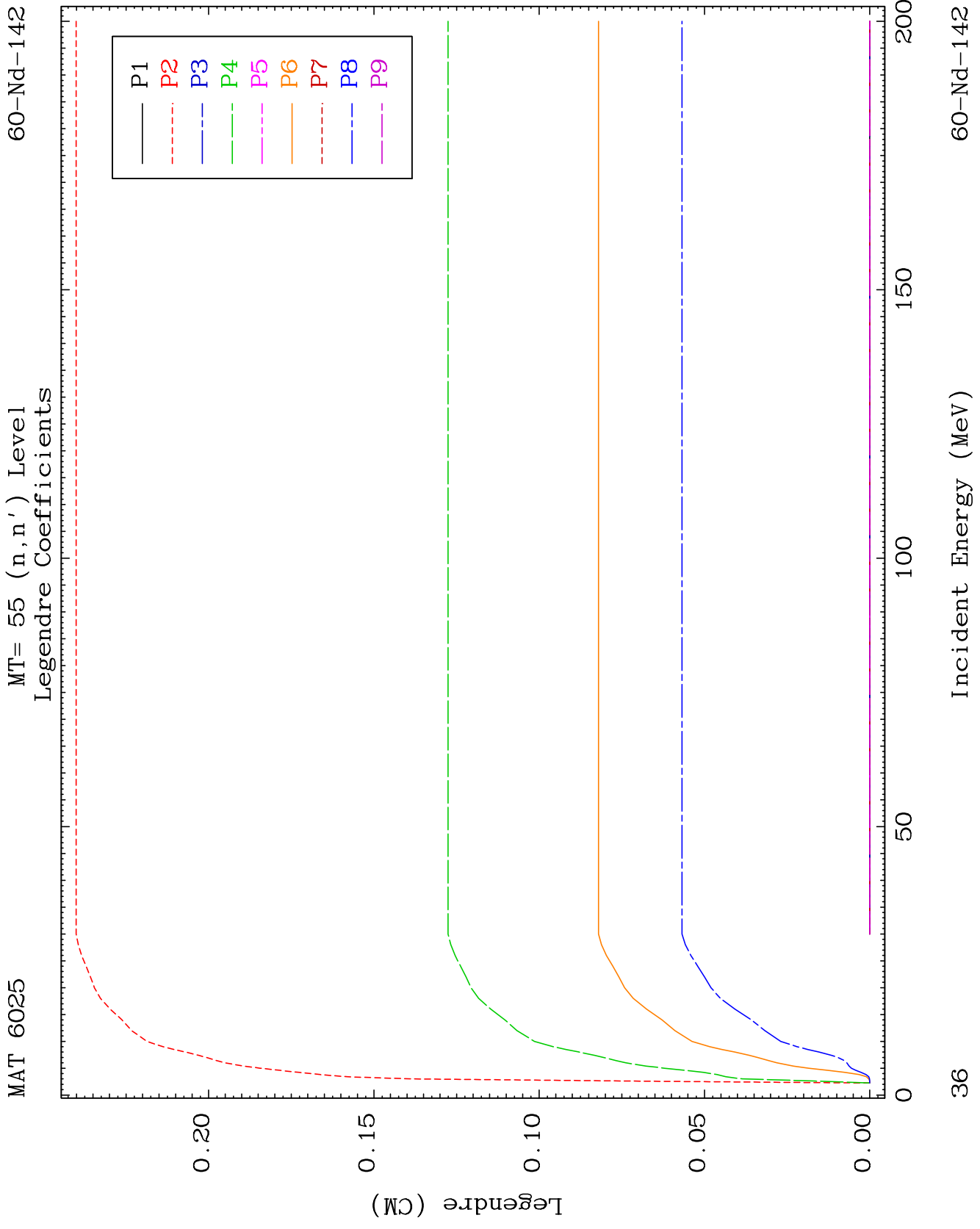
60-Nd-142



35

Incident Energy (MeV)

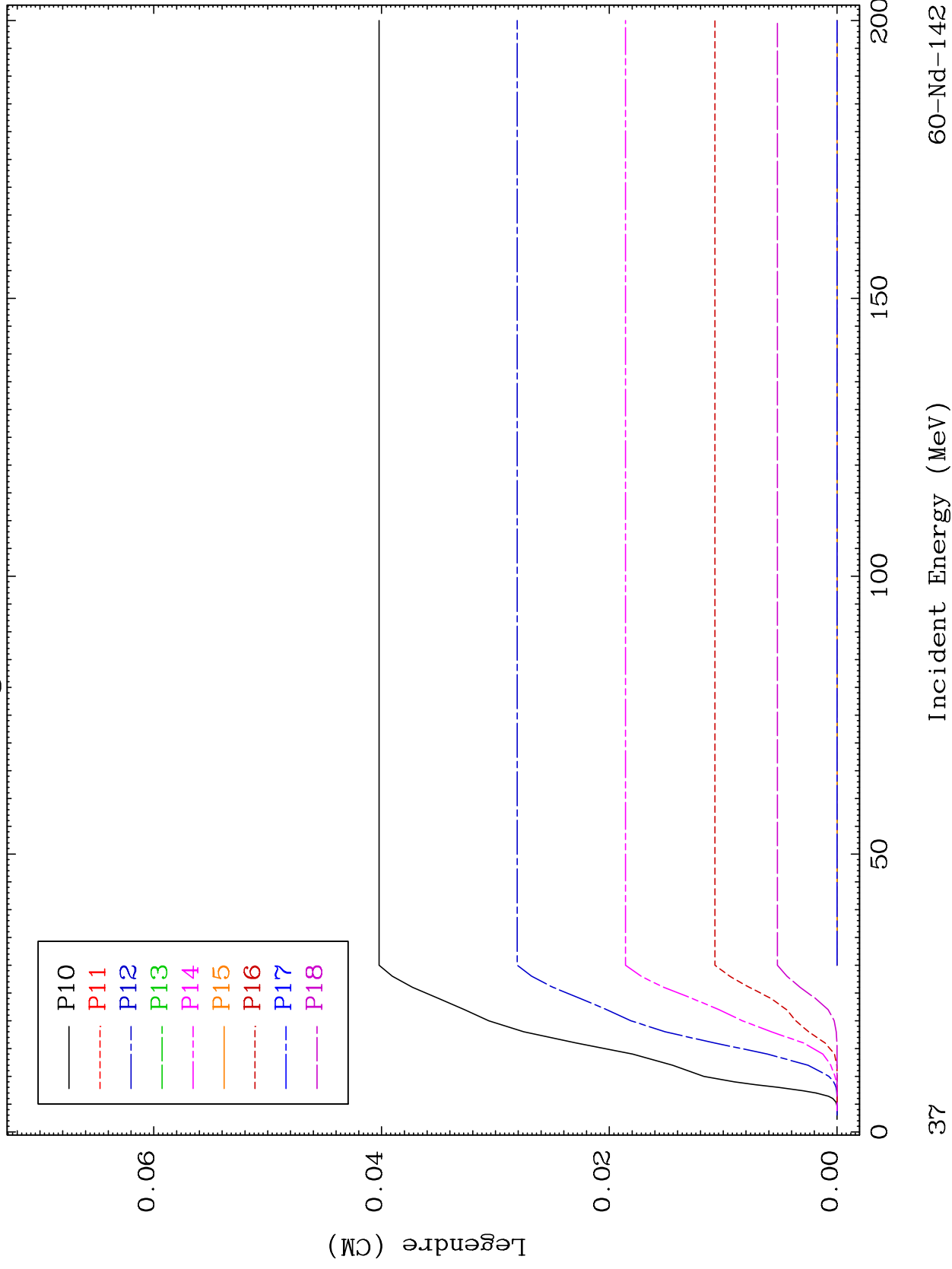
60-Nd-142



MAT 6025

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

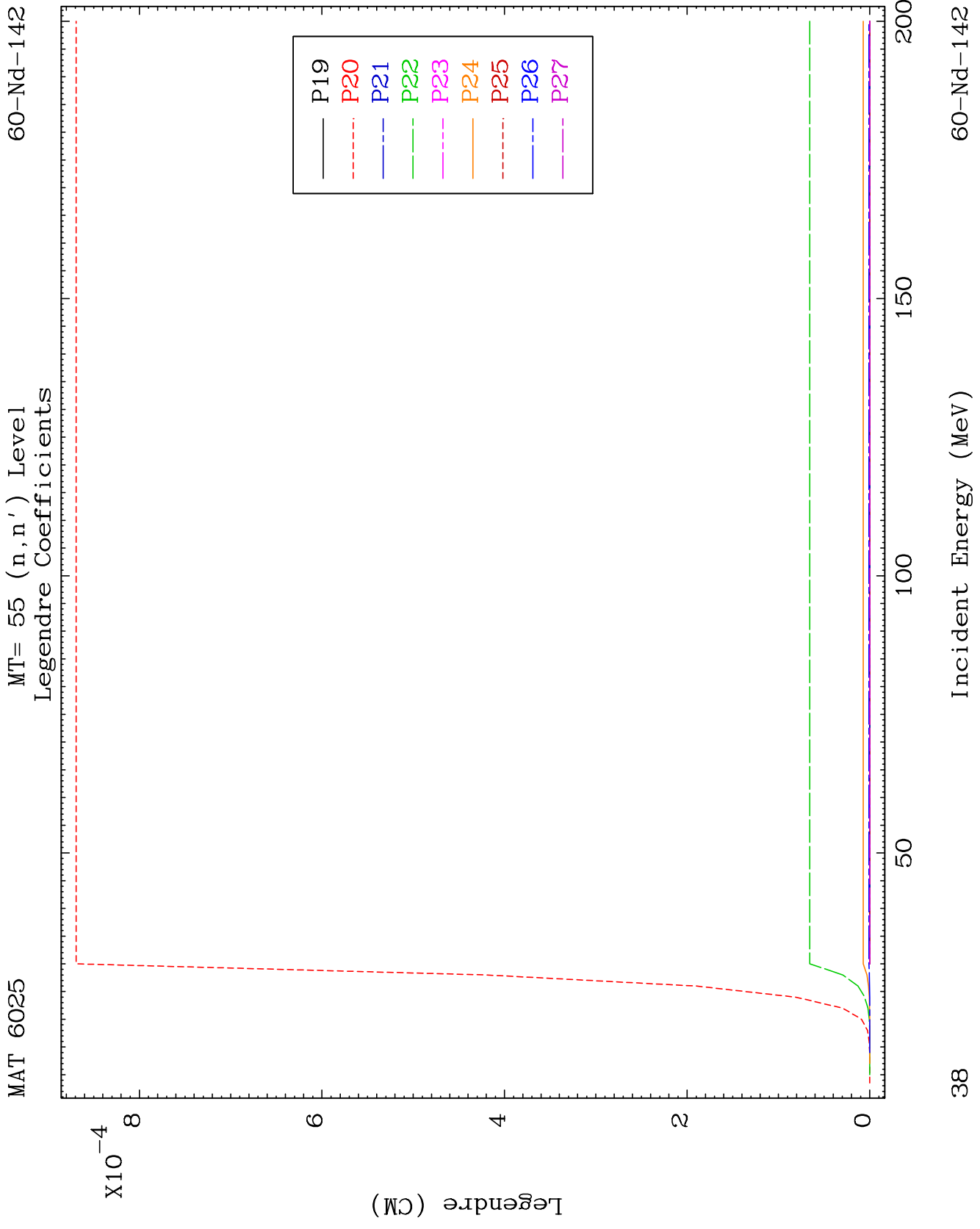
60-Nd-142



37

Incident Energy (MeV)

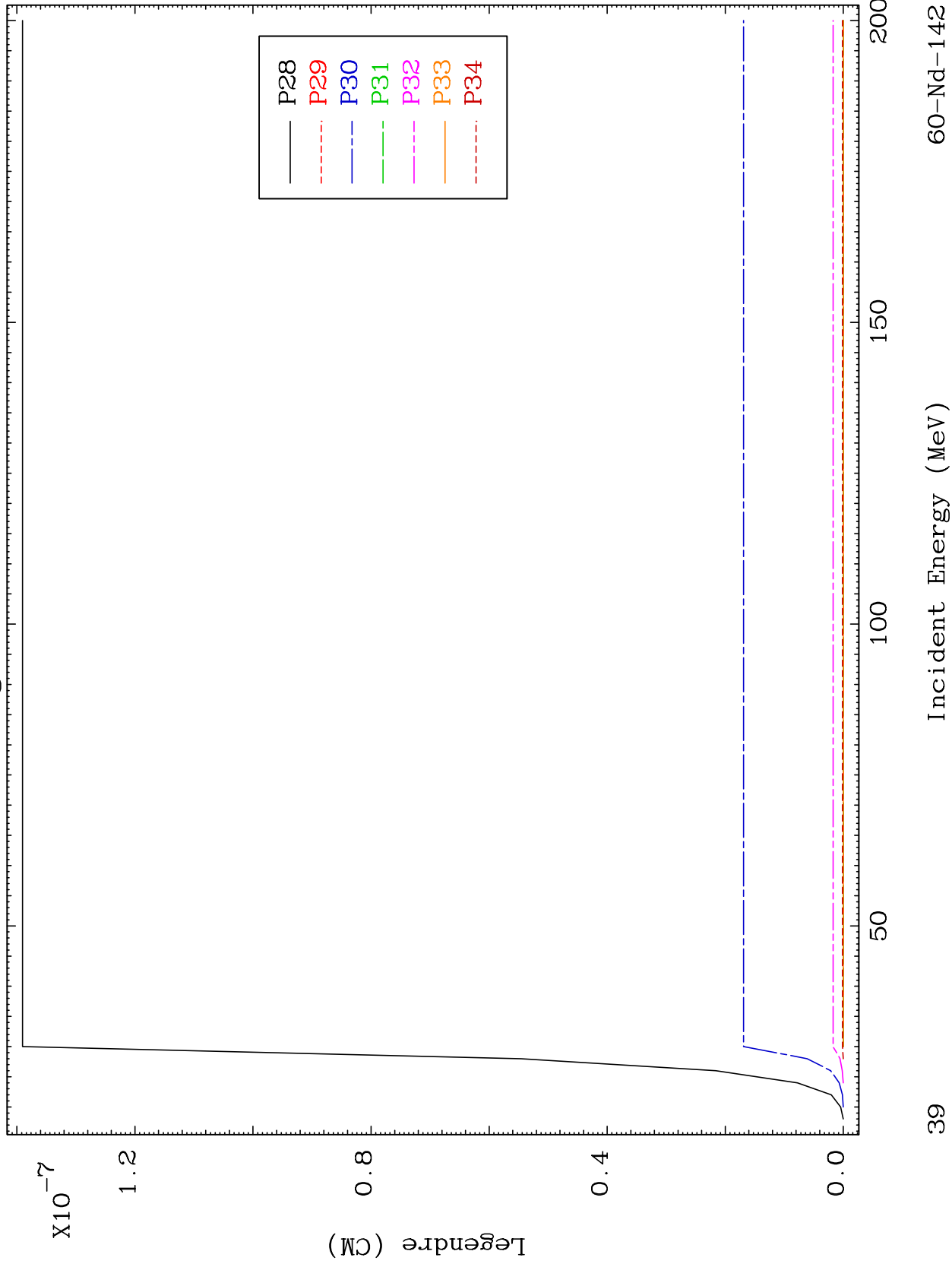
60-Nd-142



MAT 6025

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

60-Nd-142



39

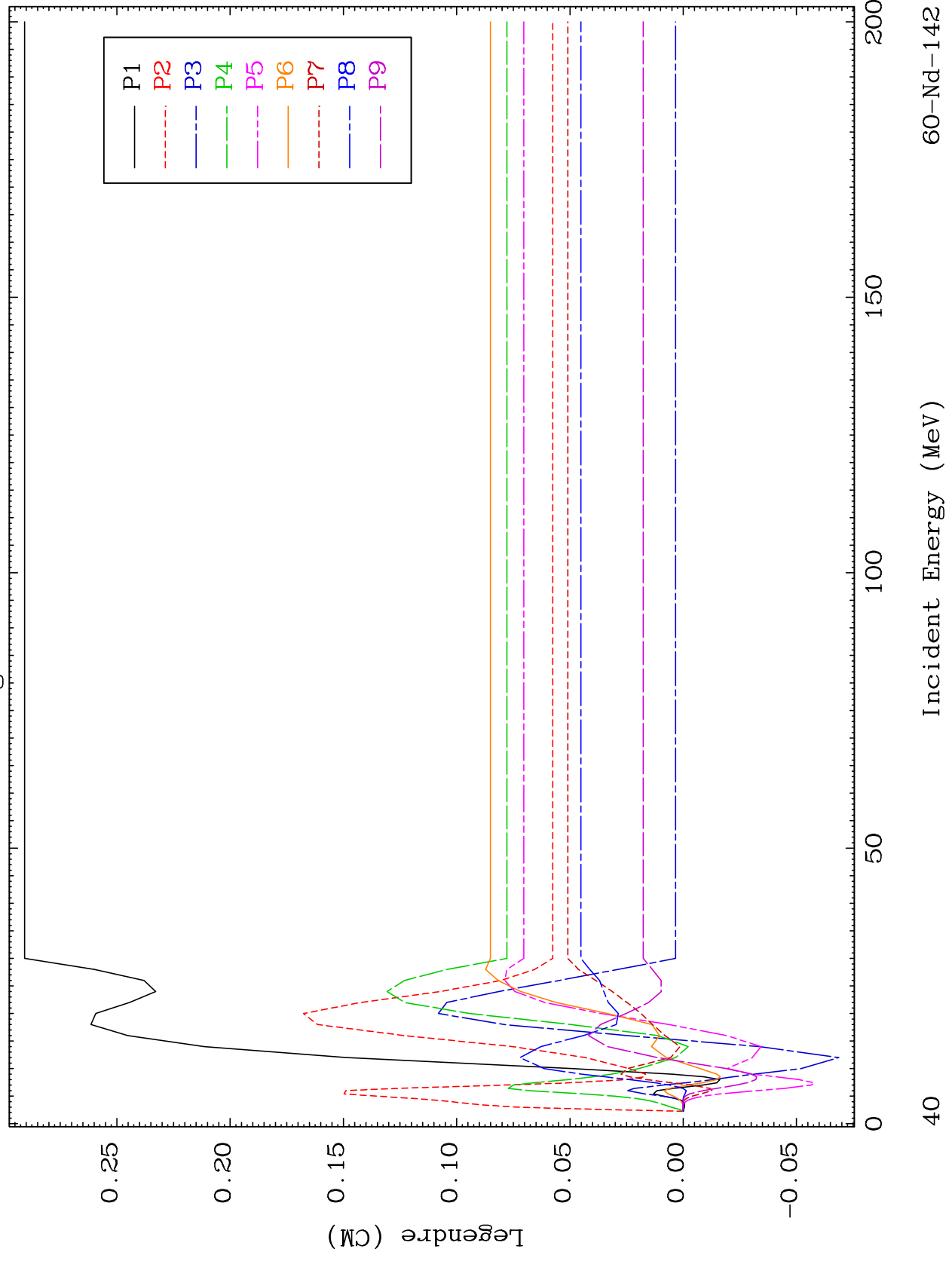
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

60-Nd-142



60-Nd-142

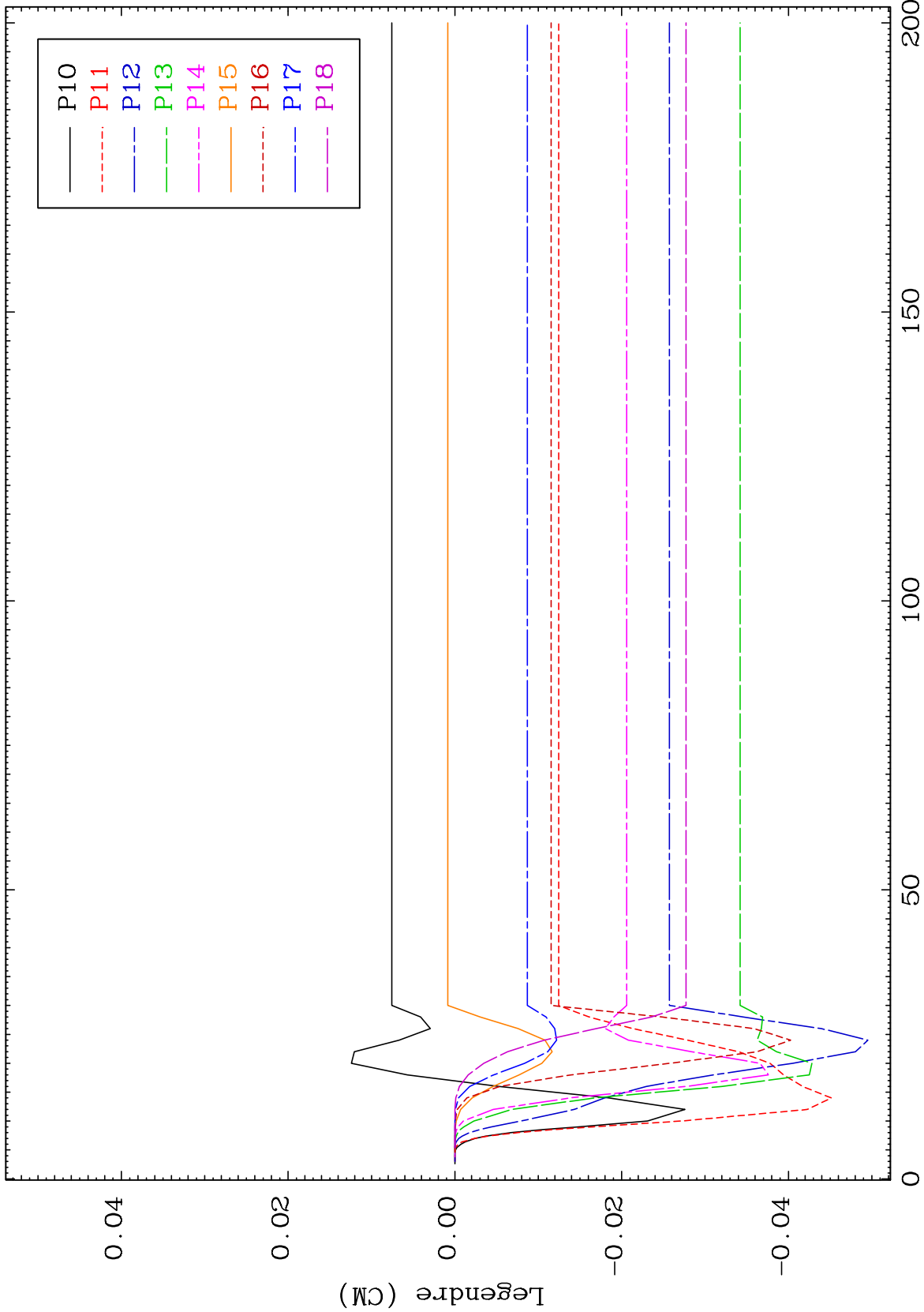
Incident Energy (MeV)

40

MAT 6025

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

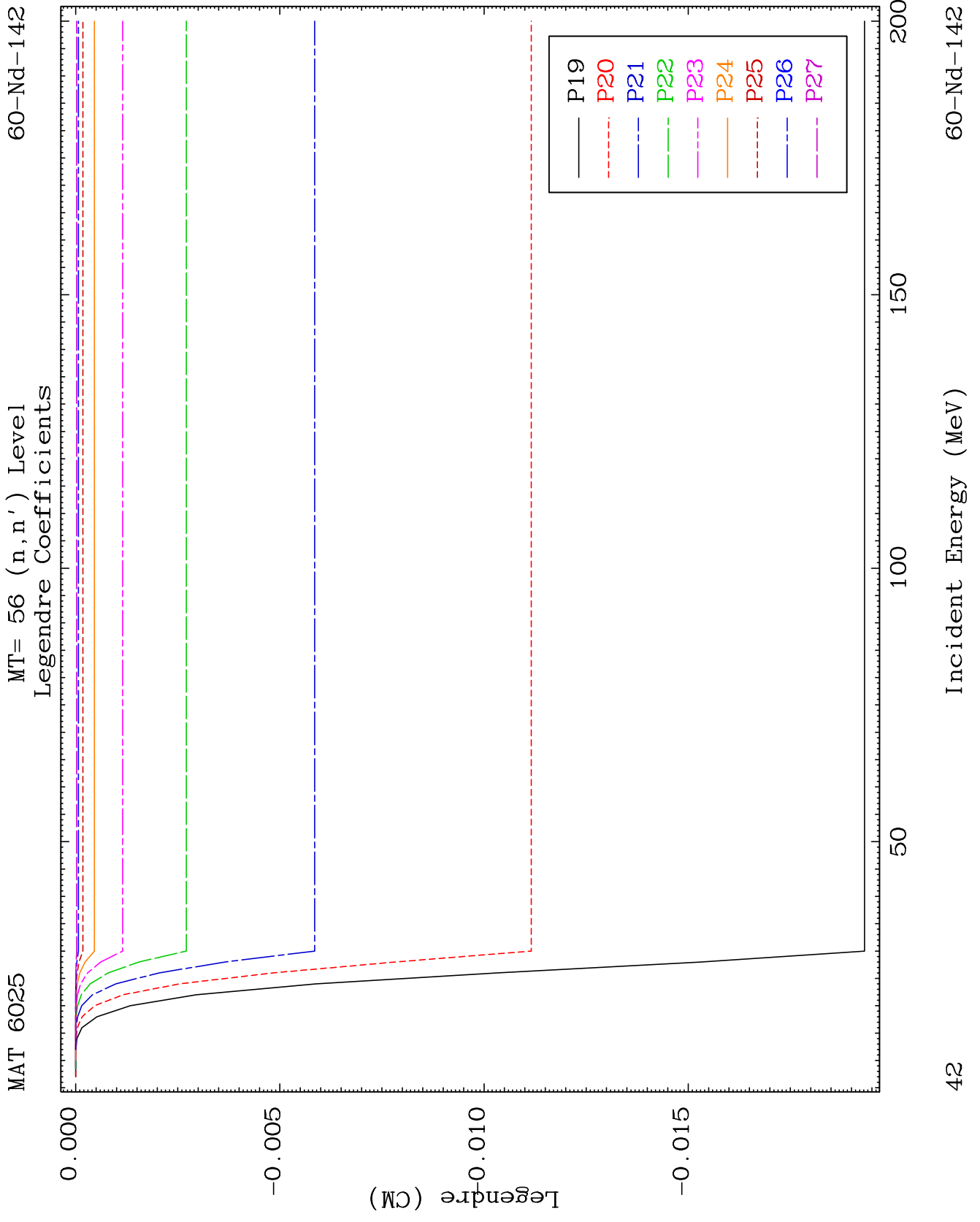
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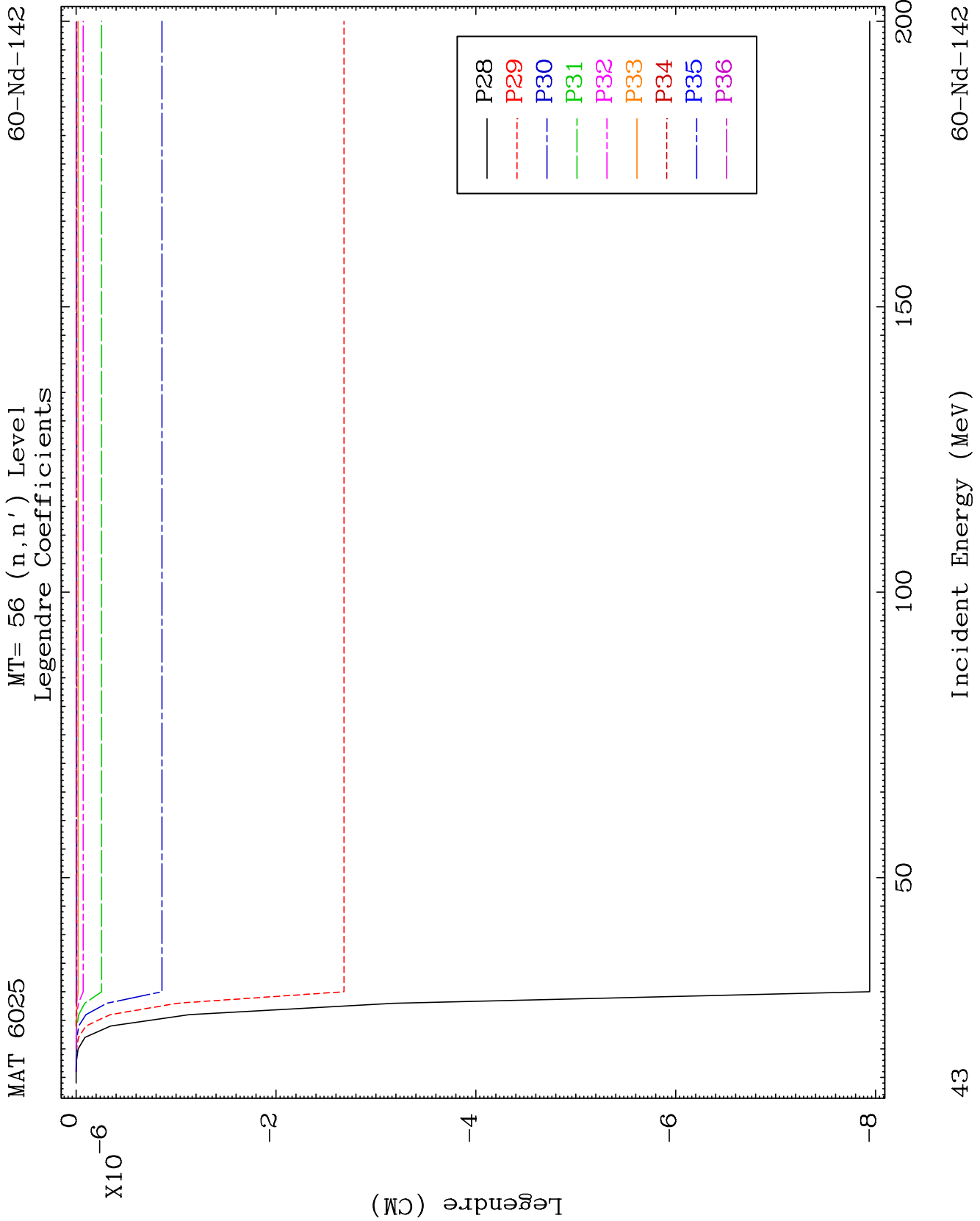


41

Incident Energy (MeV)

60-Nd-142

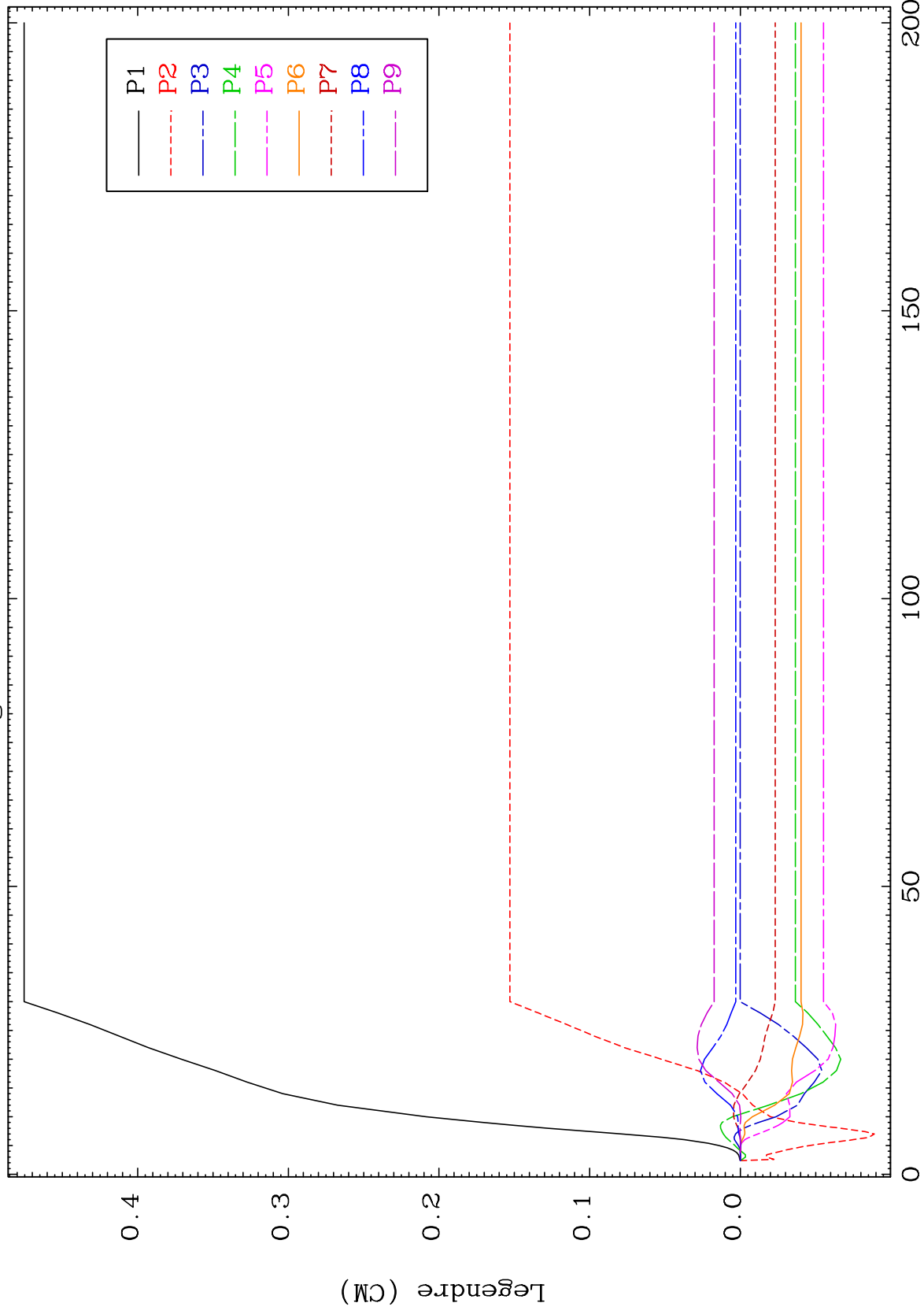




MAT 6025

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

60-Nd-142



44

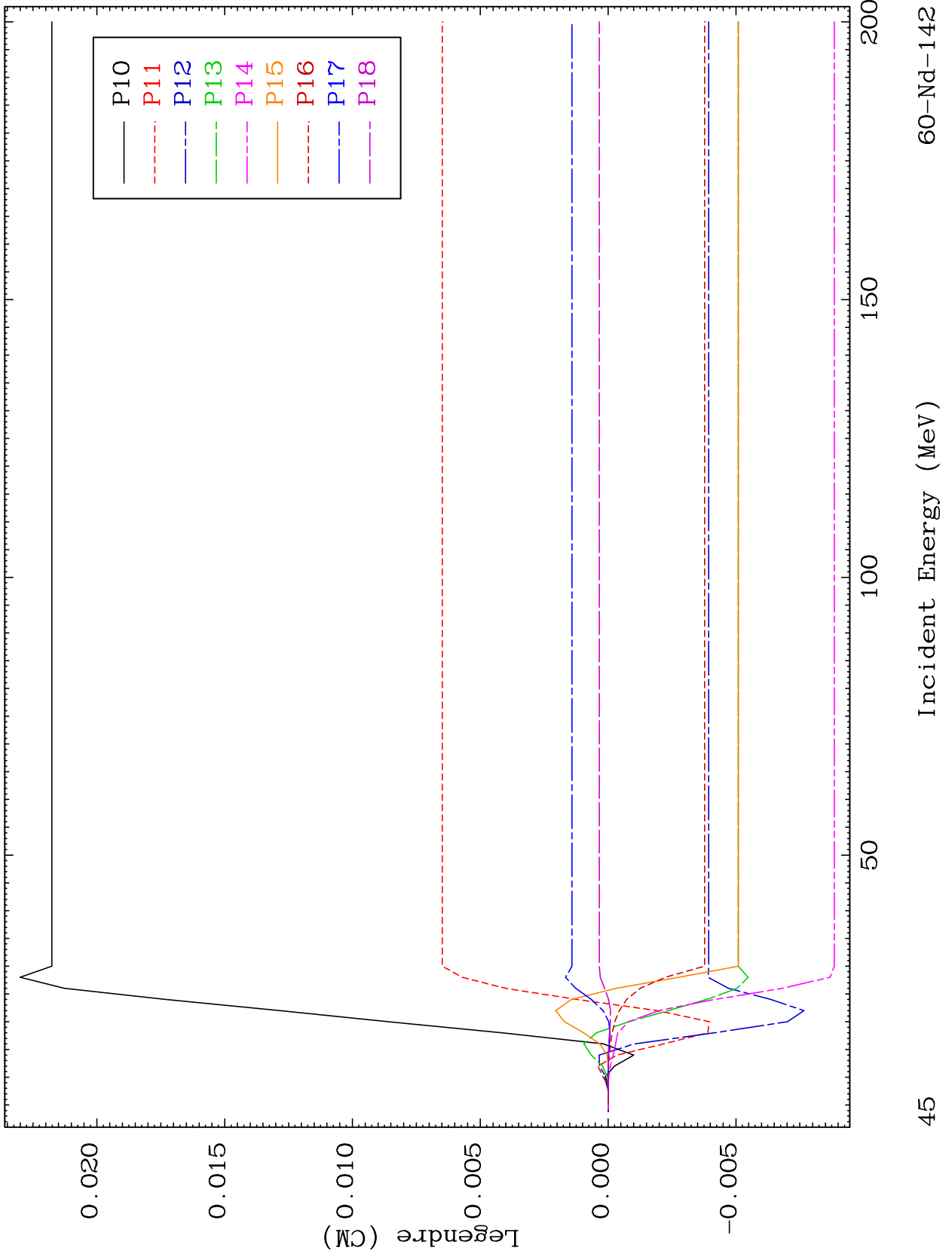
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

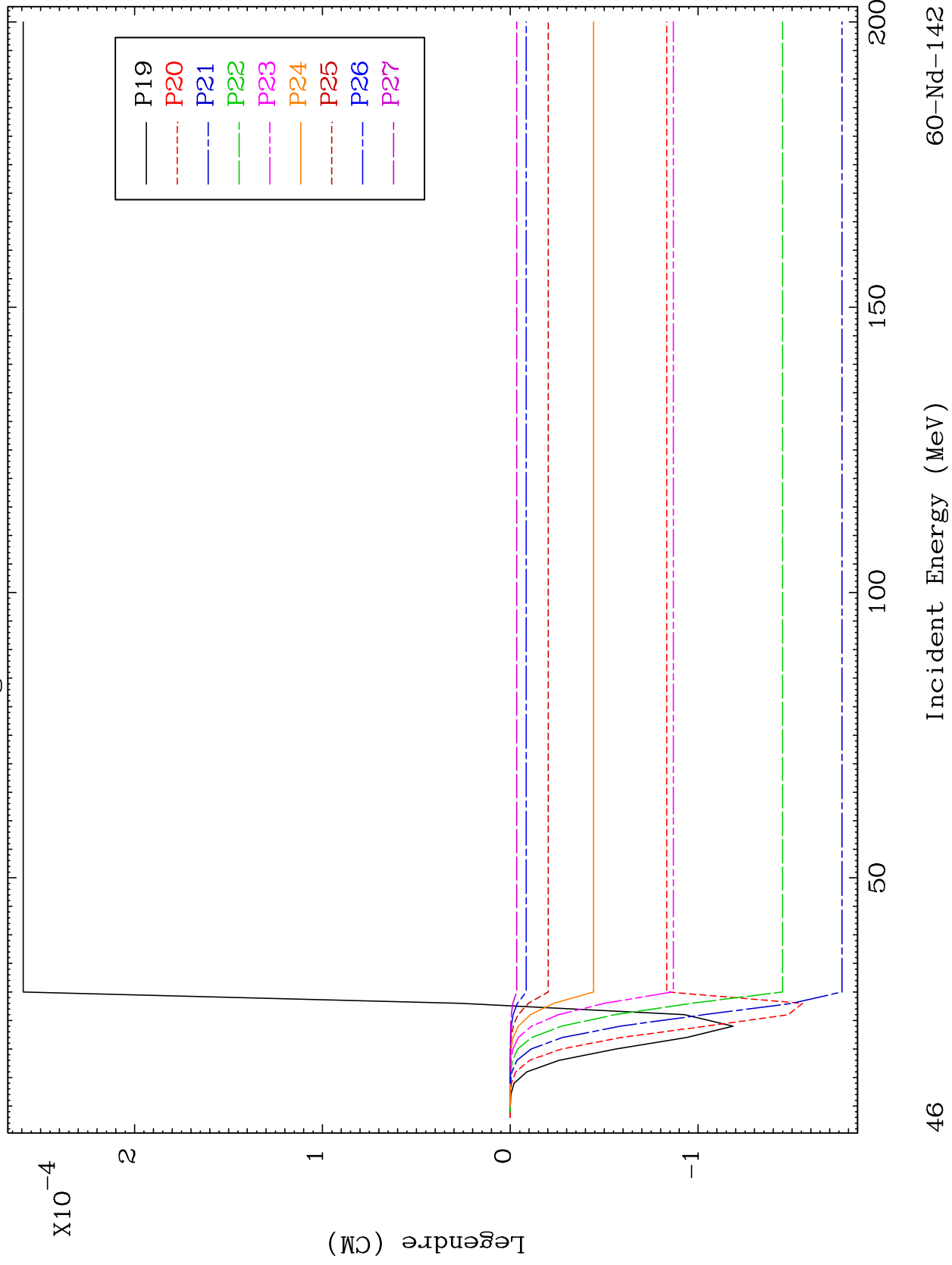
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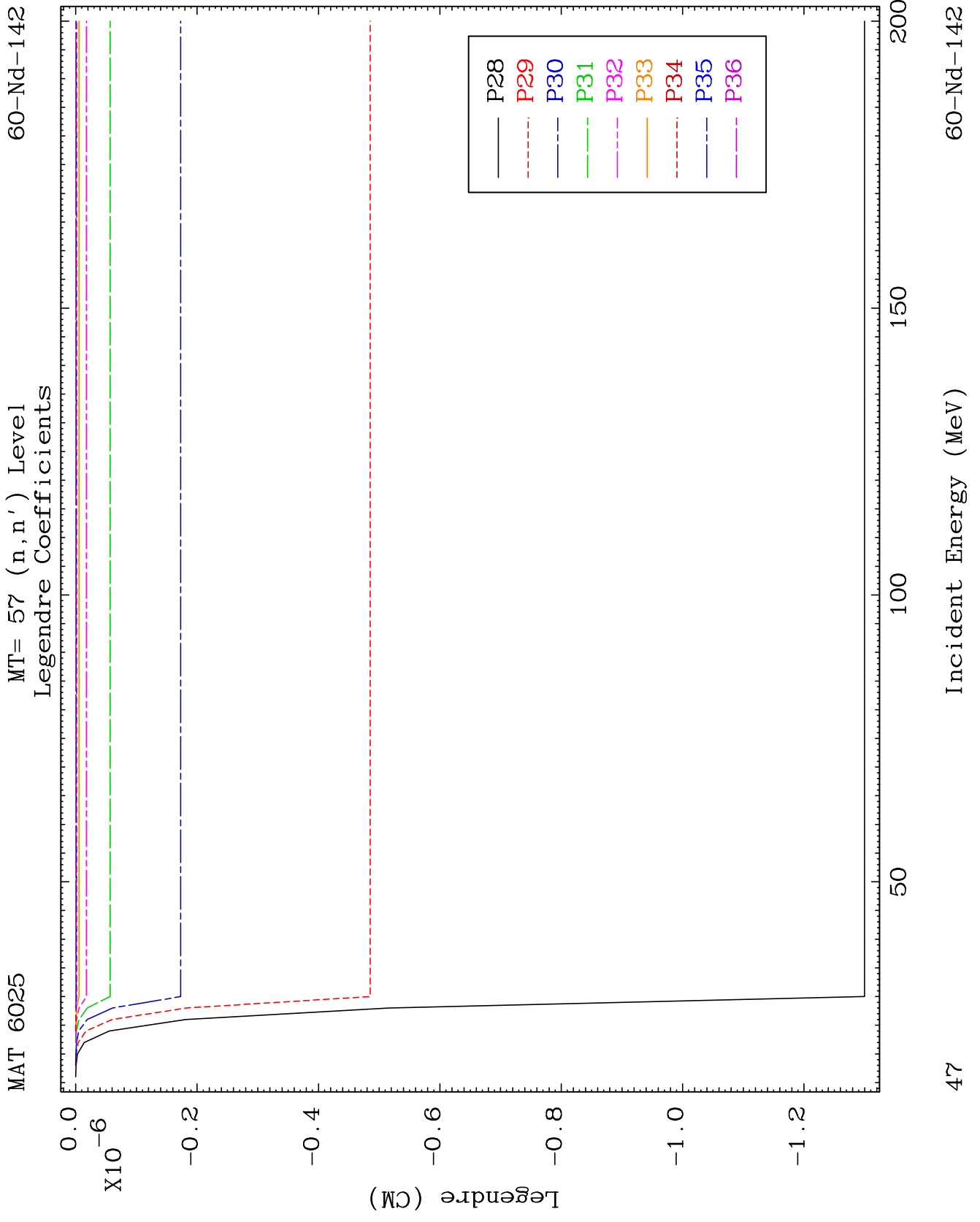


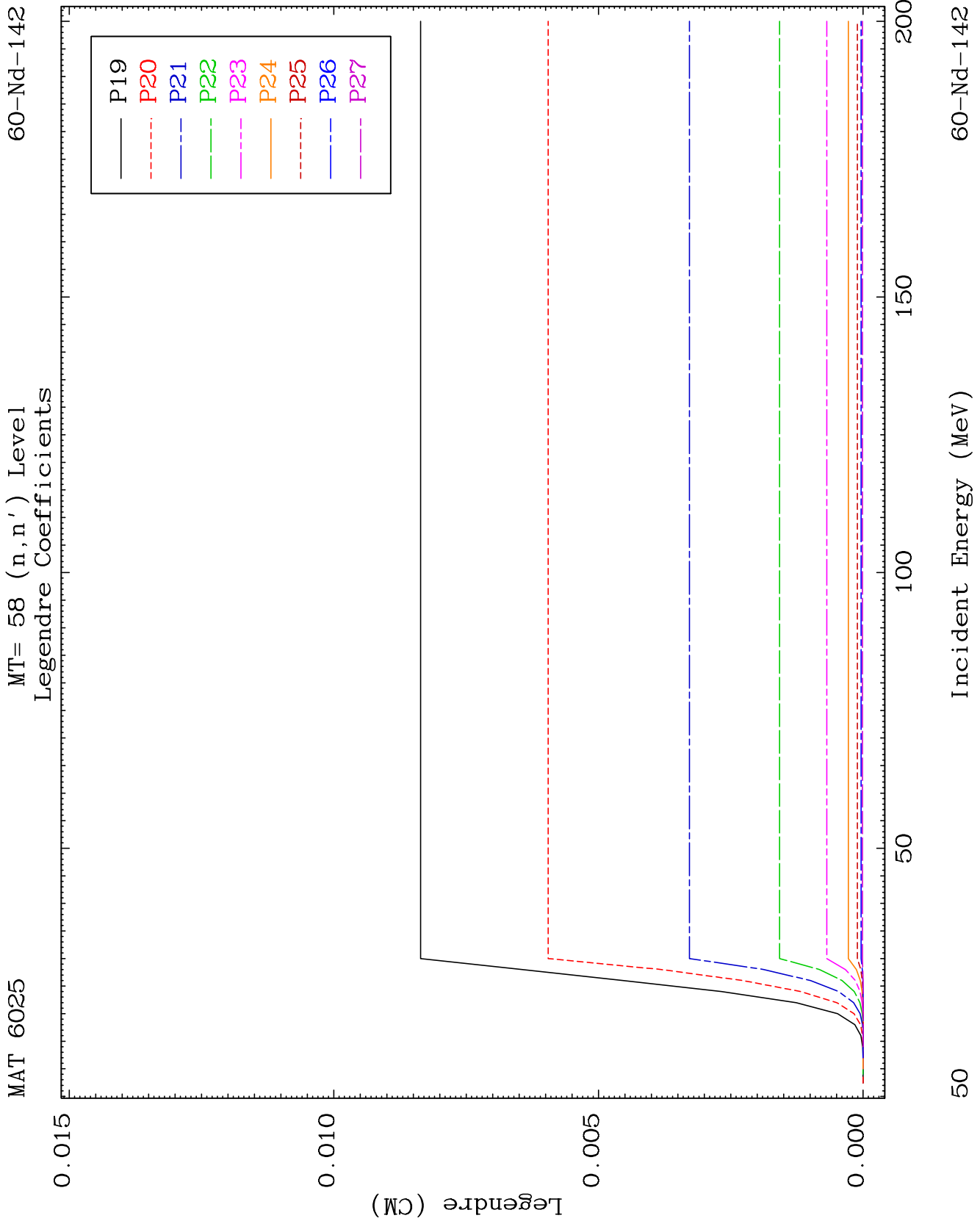
MAT 6025

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

60-Nd-142



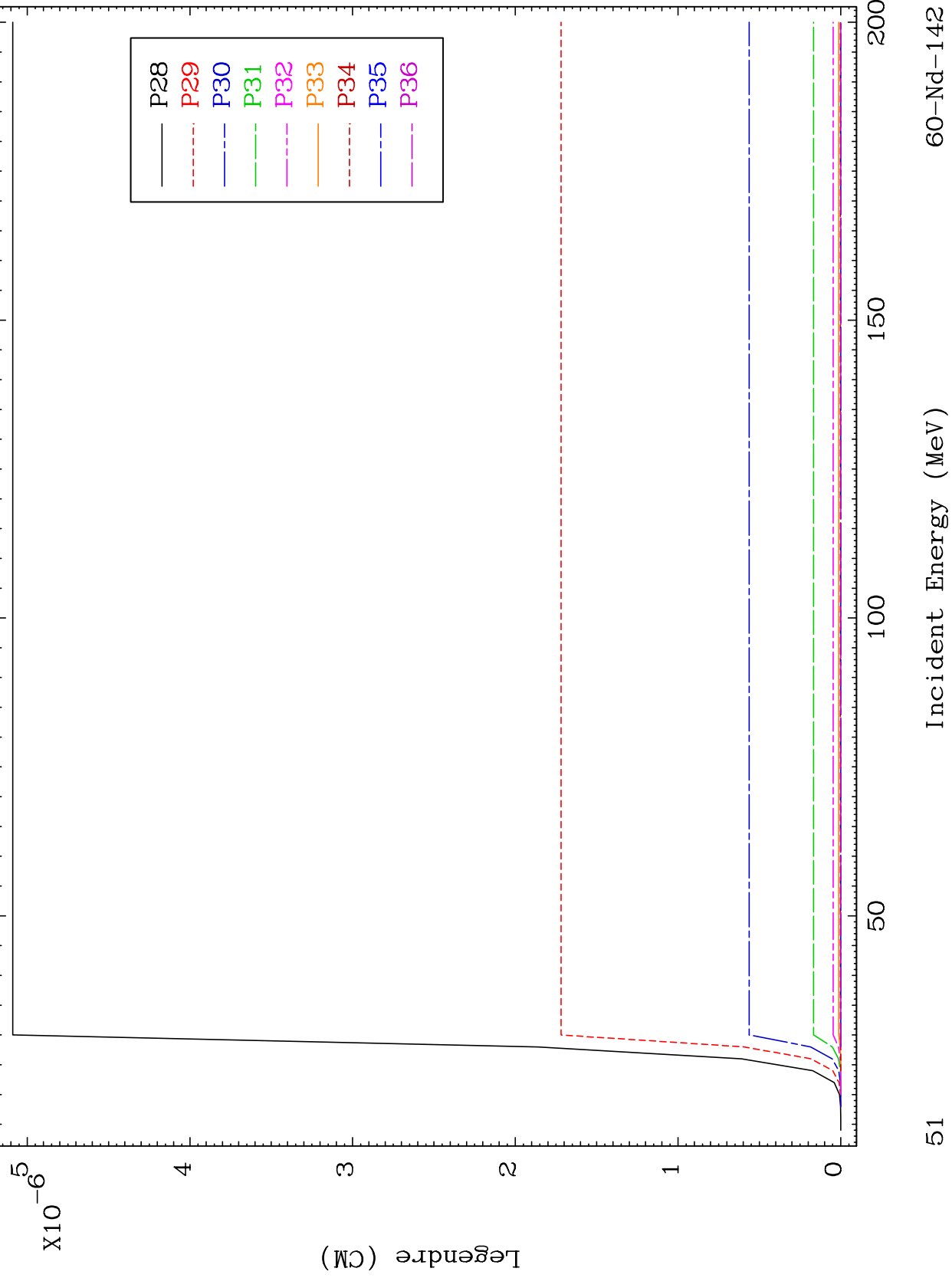




MAT 6025

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

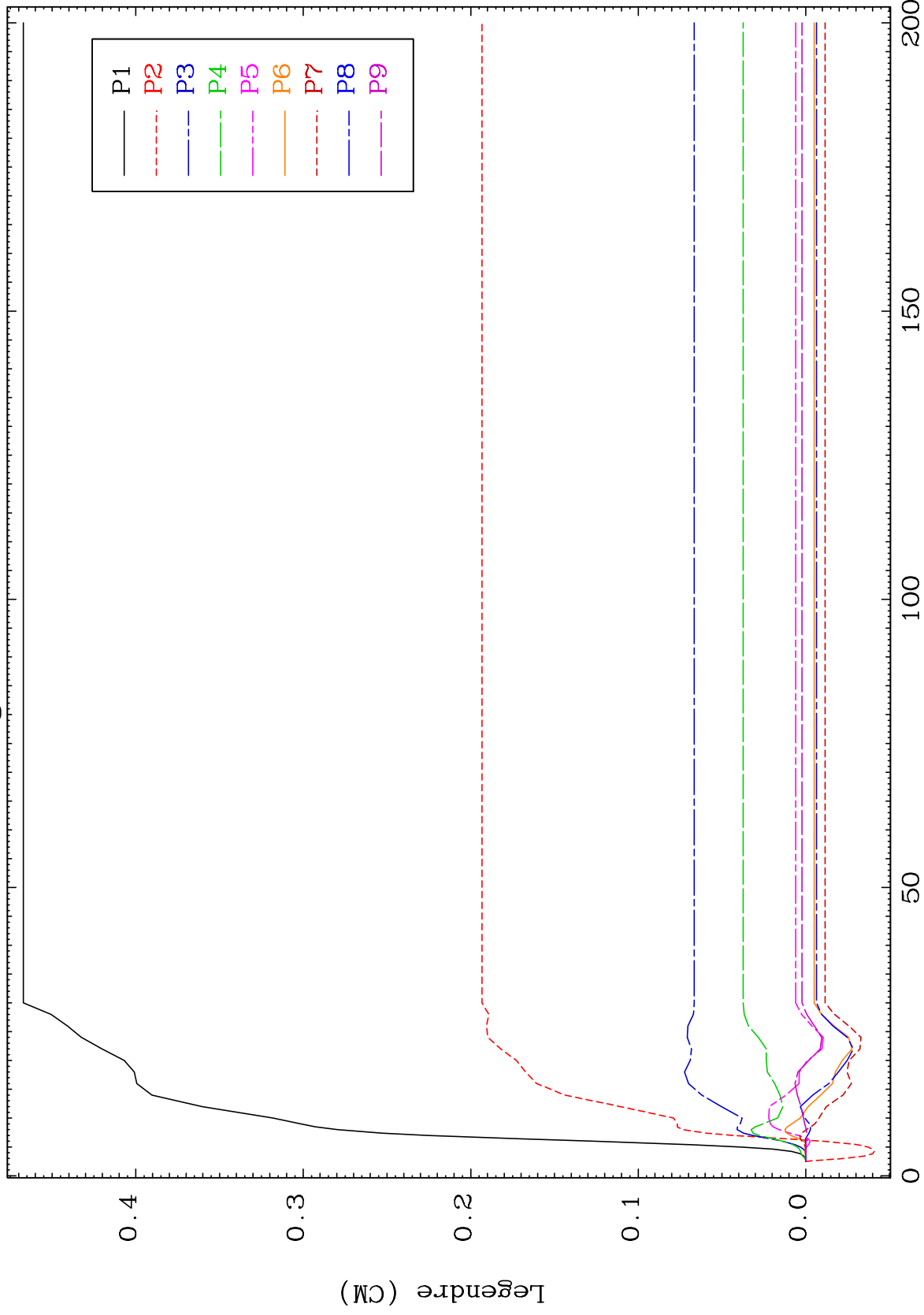
60-Nd-142



MAT 6025

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

60-Nd-142



52

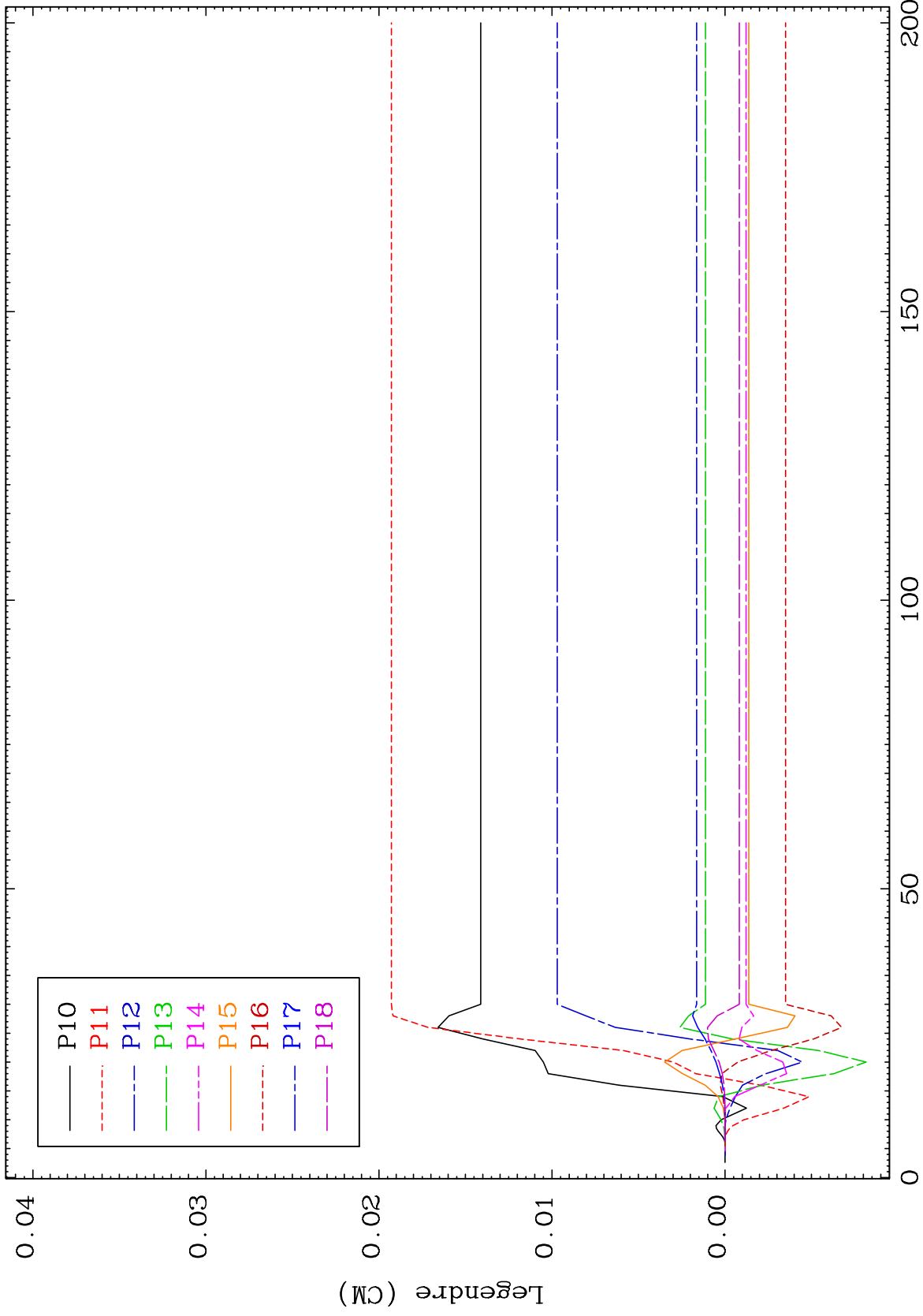
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

60-Nd-142



53

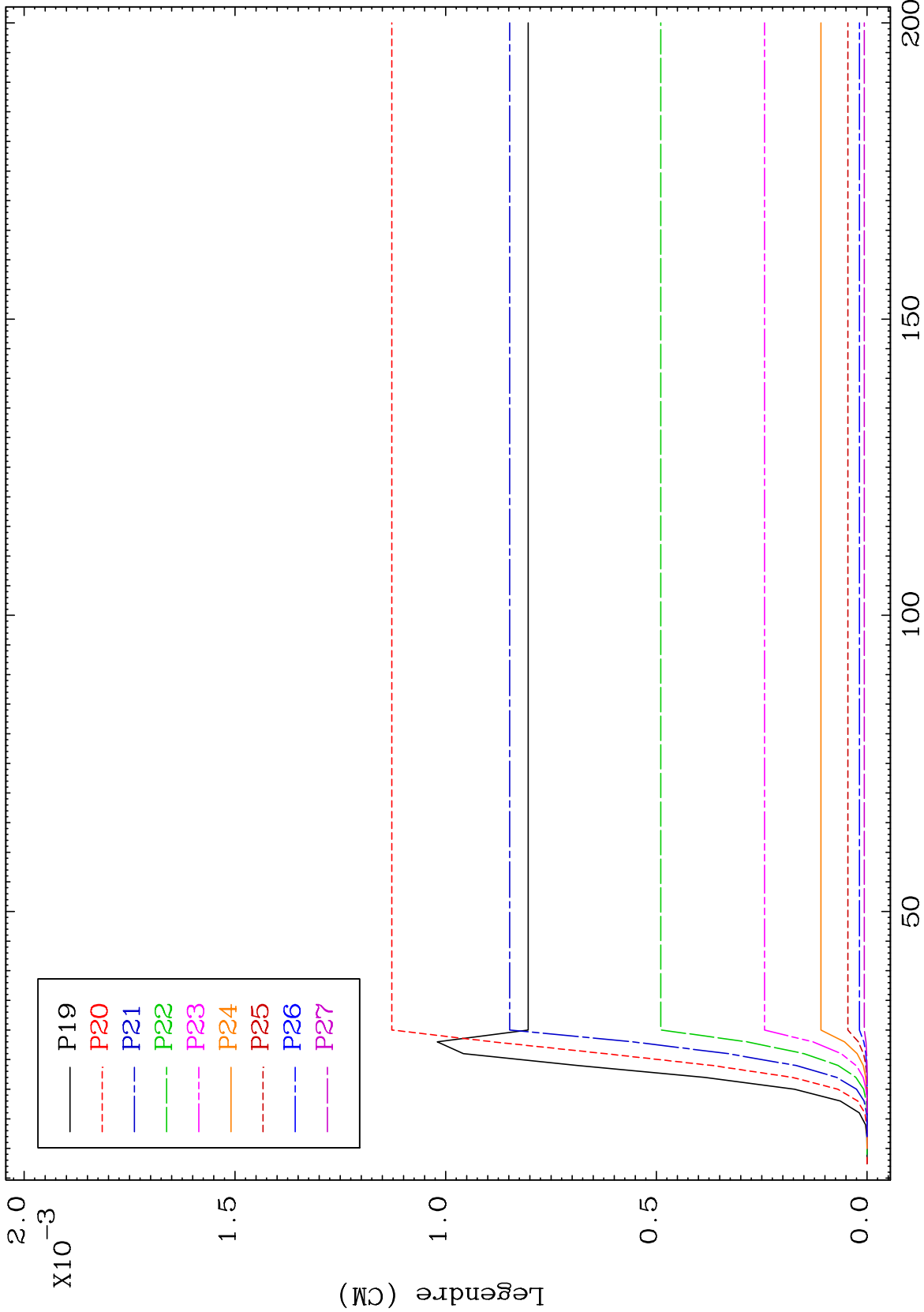
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

60-Nd-142



54

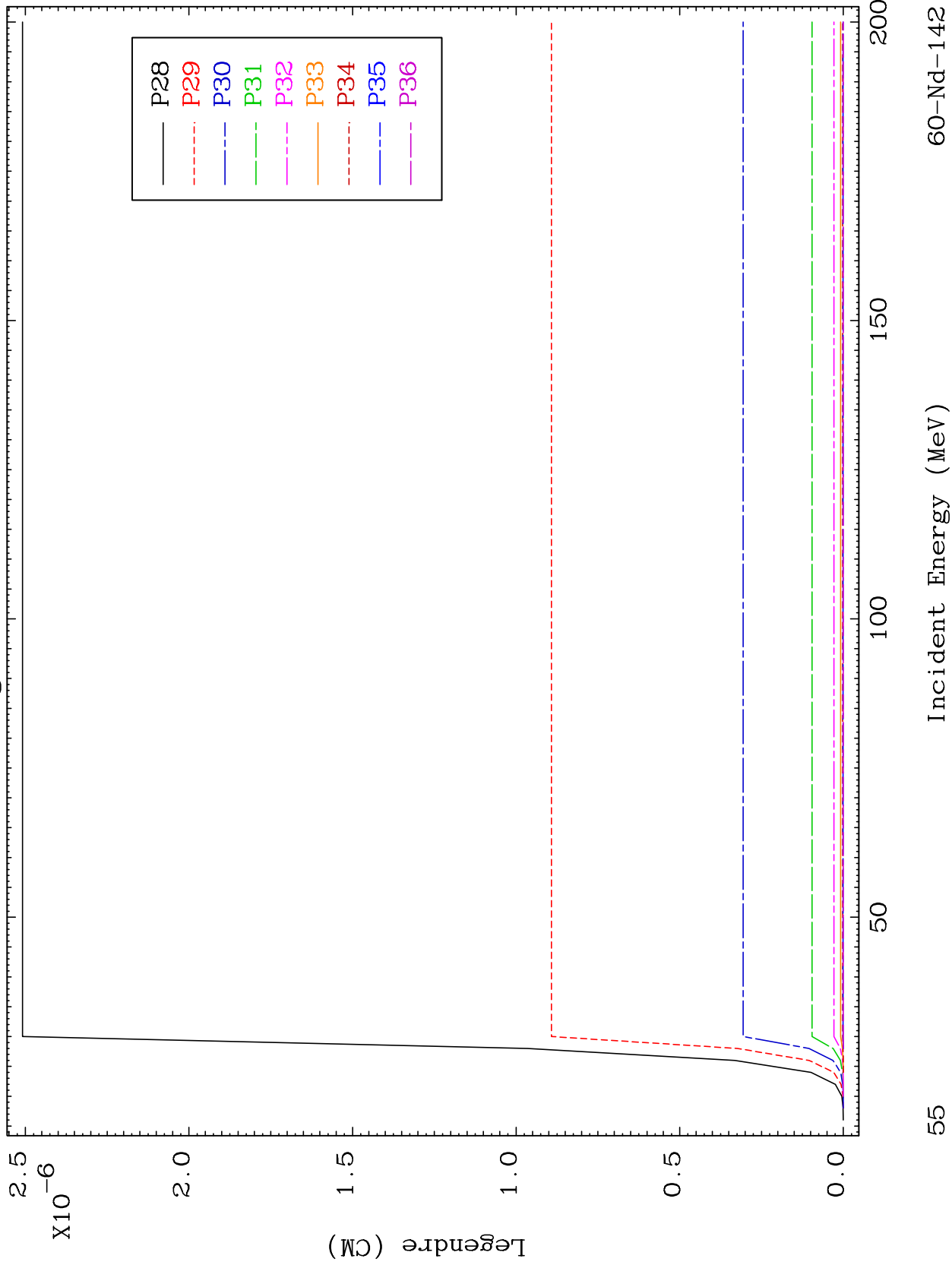
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

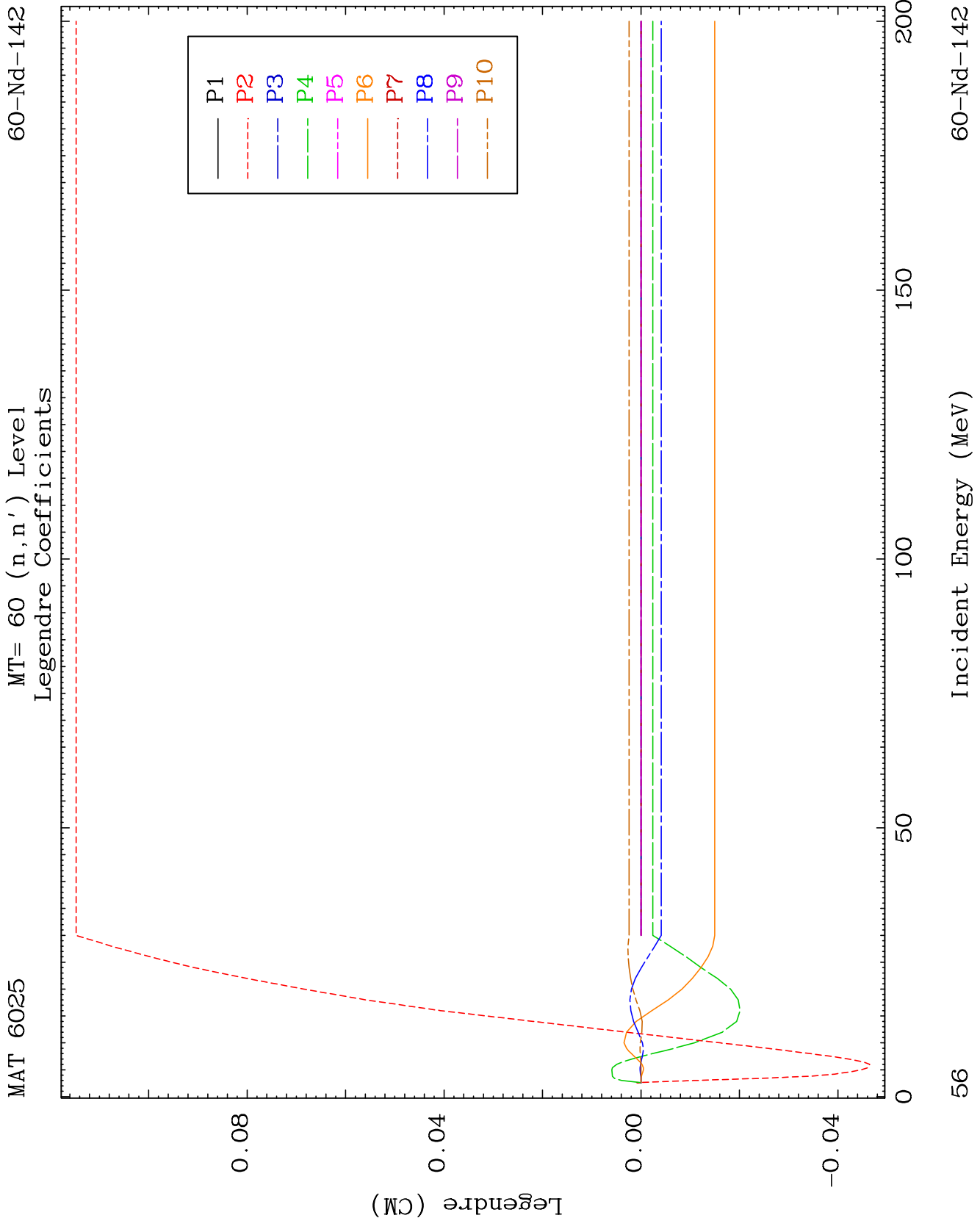
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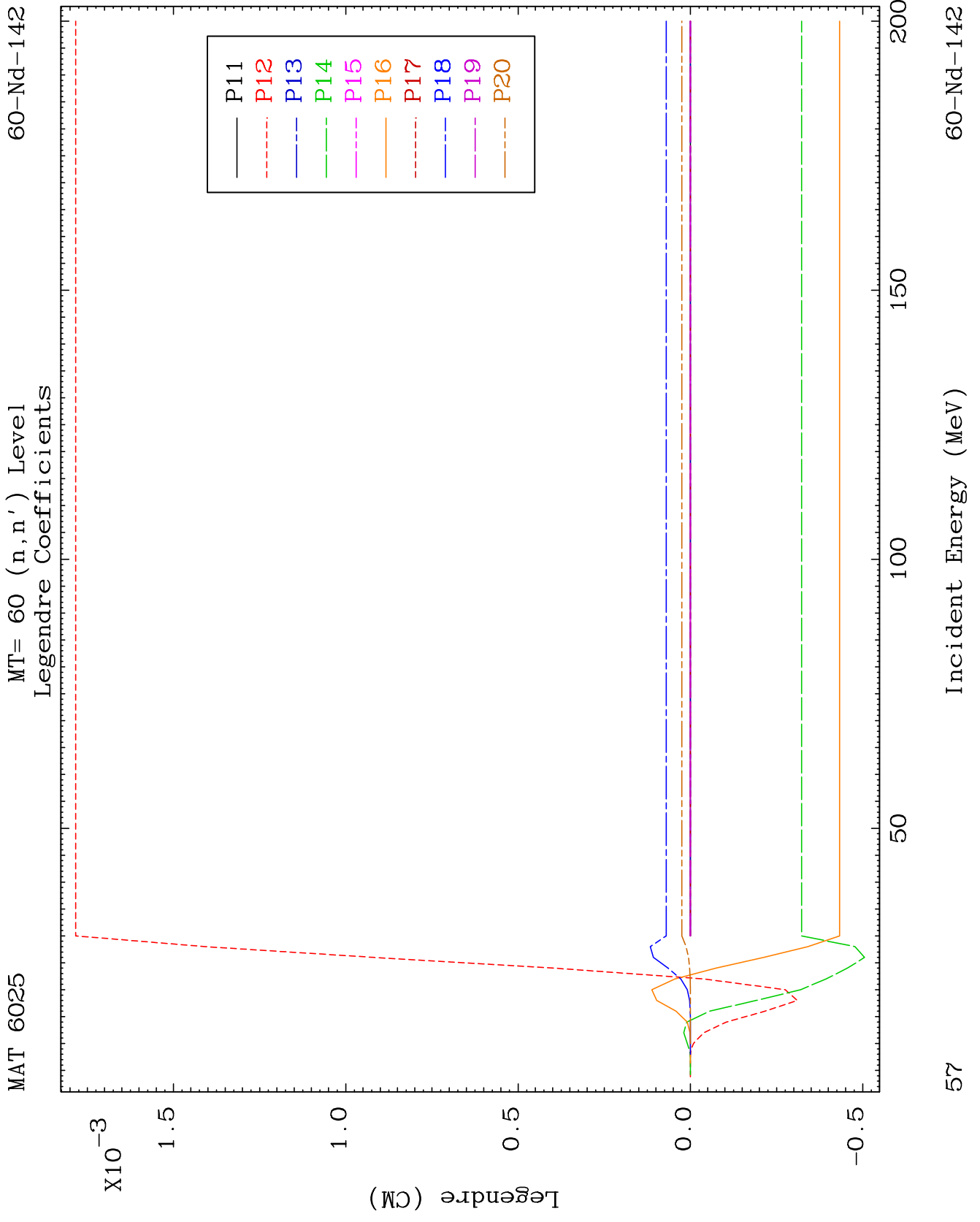


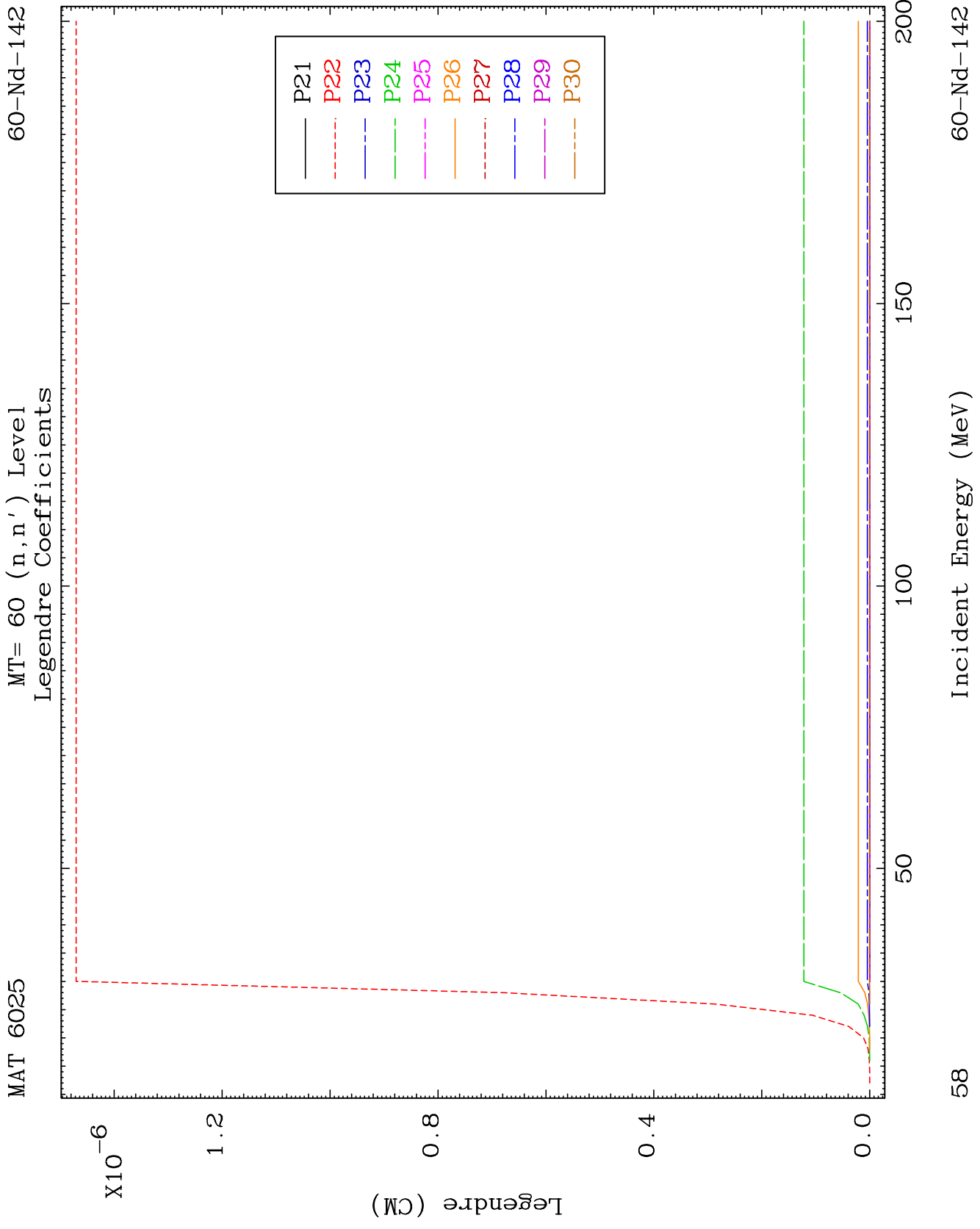
55

Incident Energy (MeV)

60-Nd-142



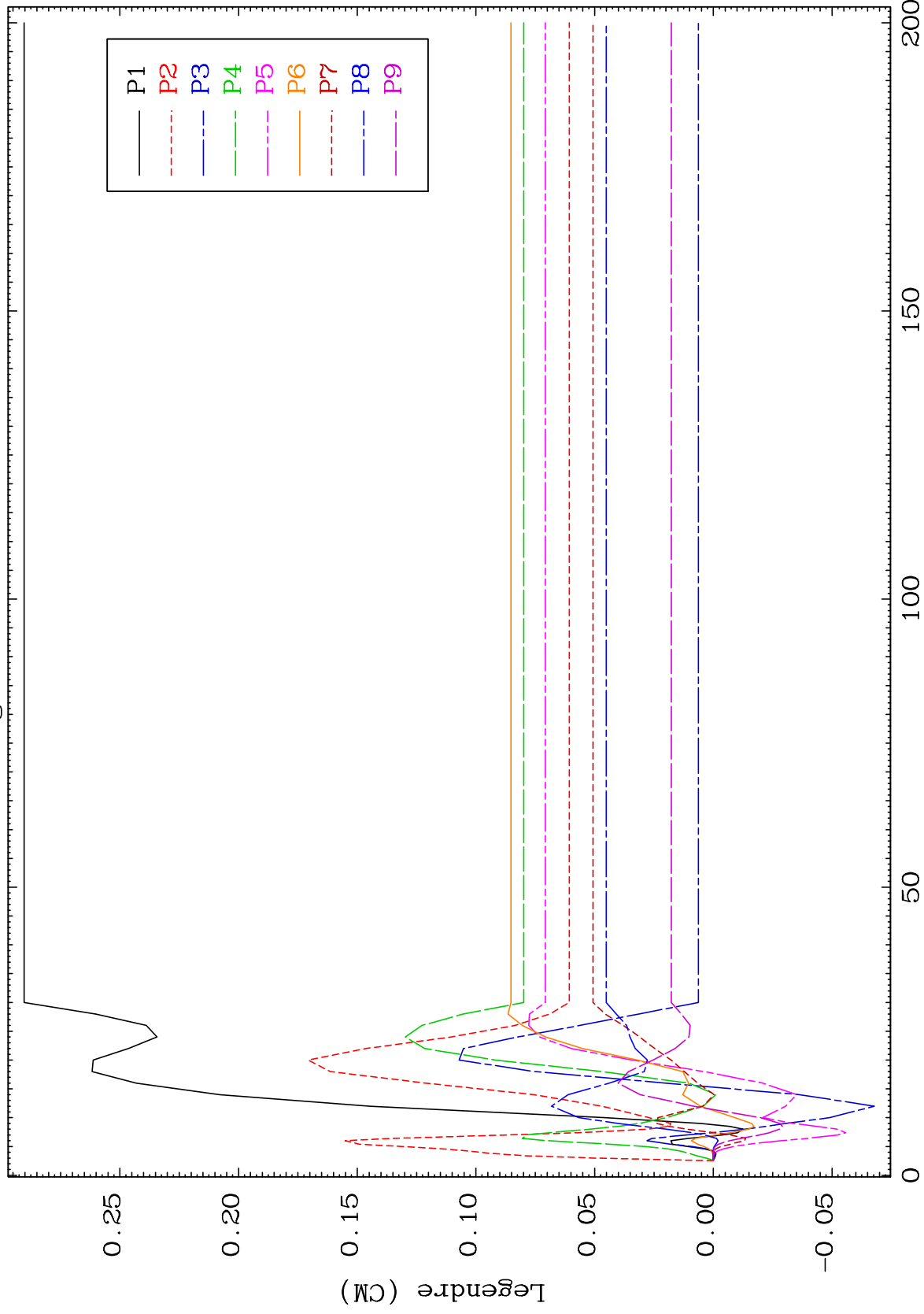




MAT 6025

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

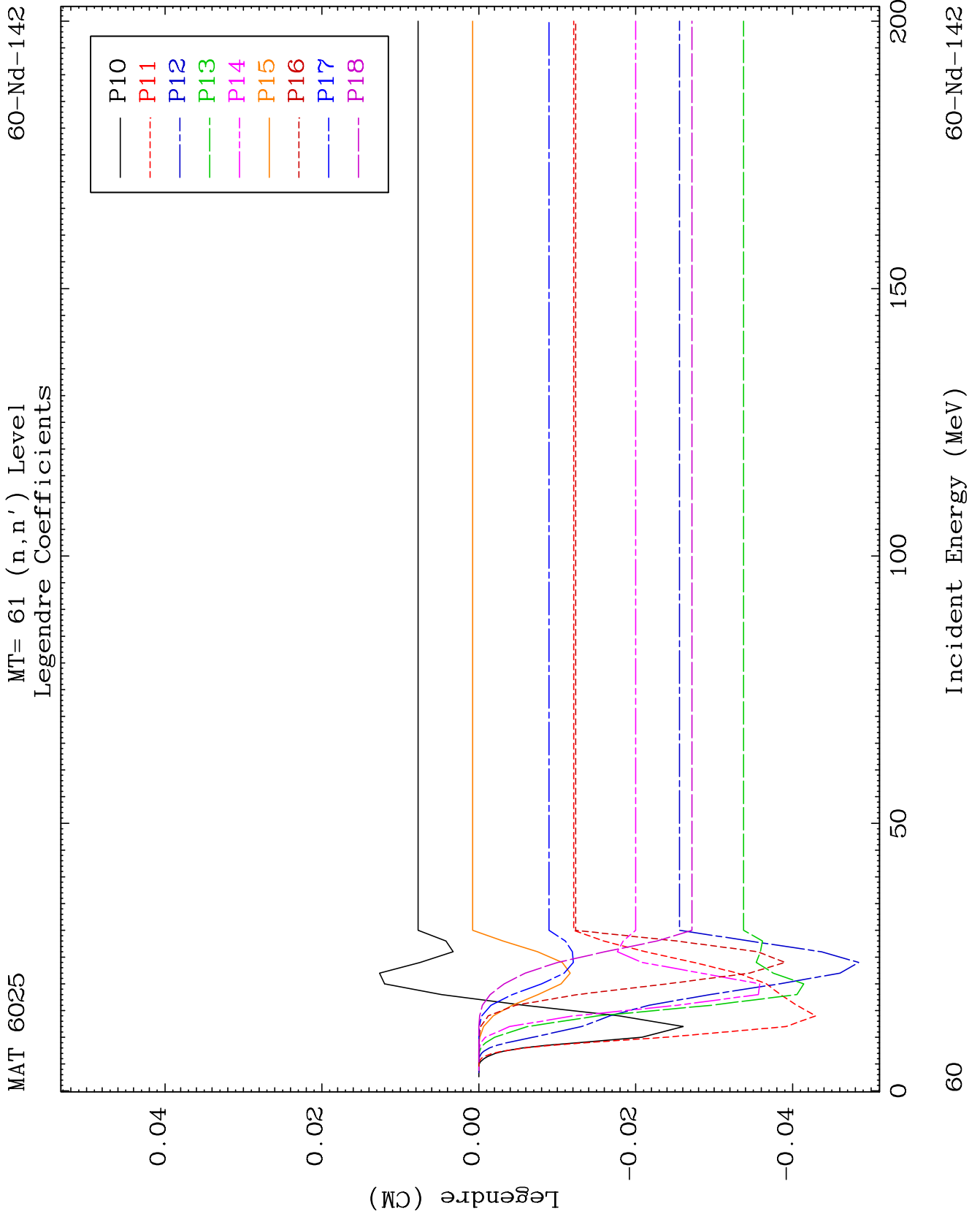
60-Nd-142

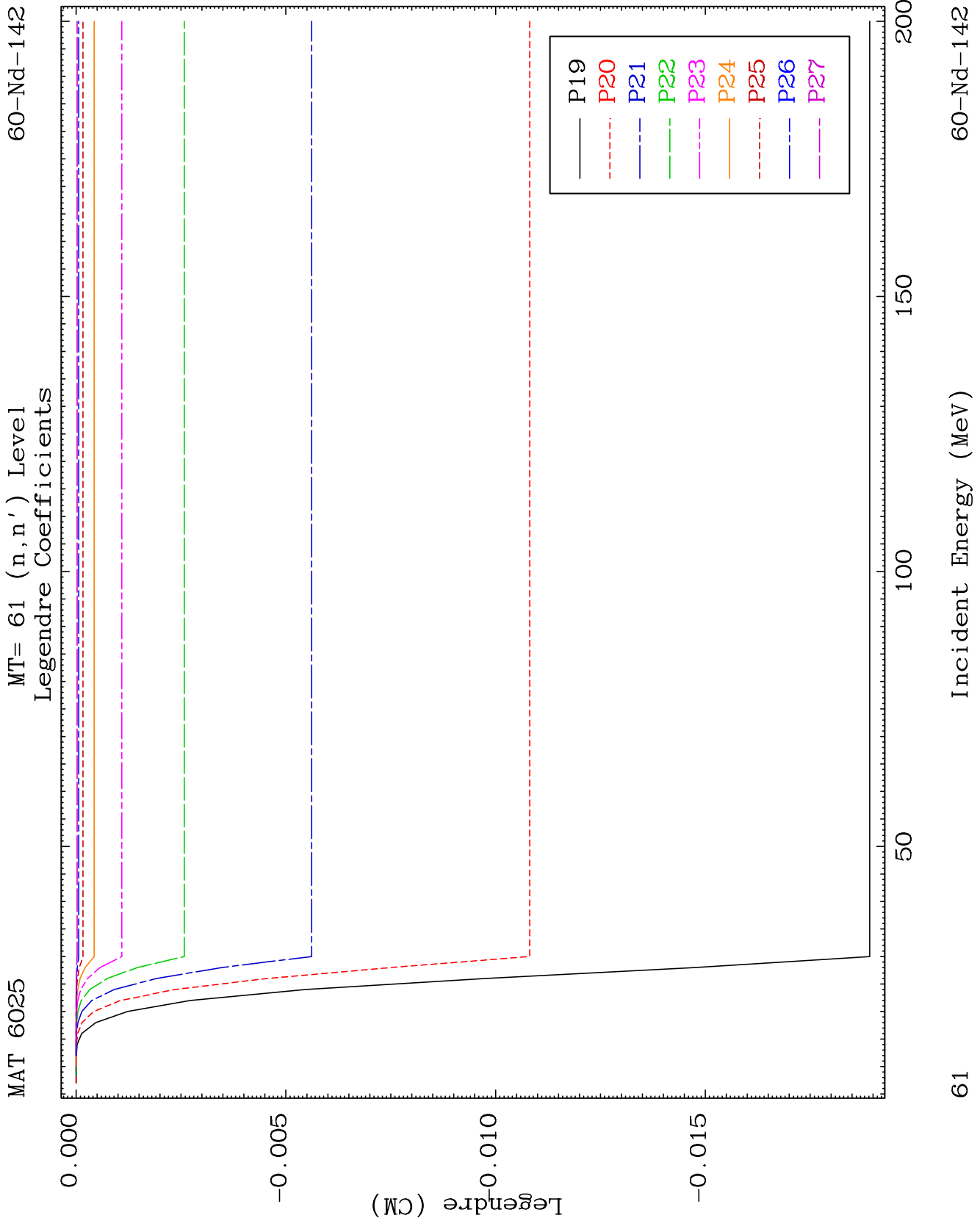


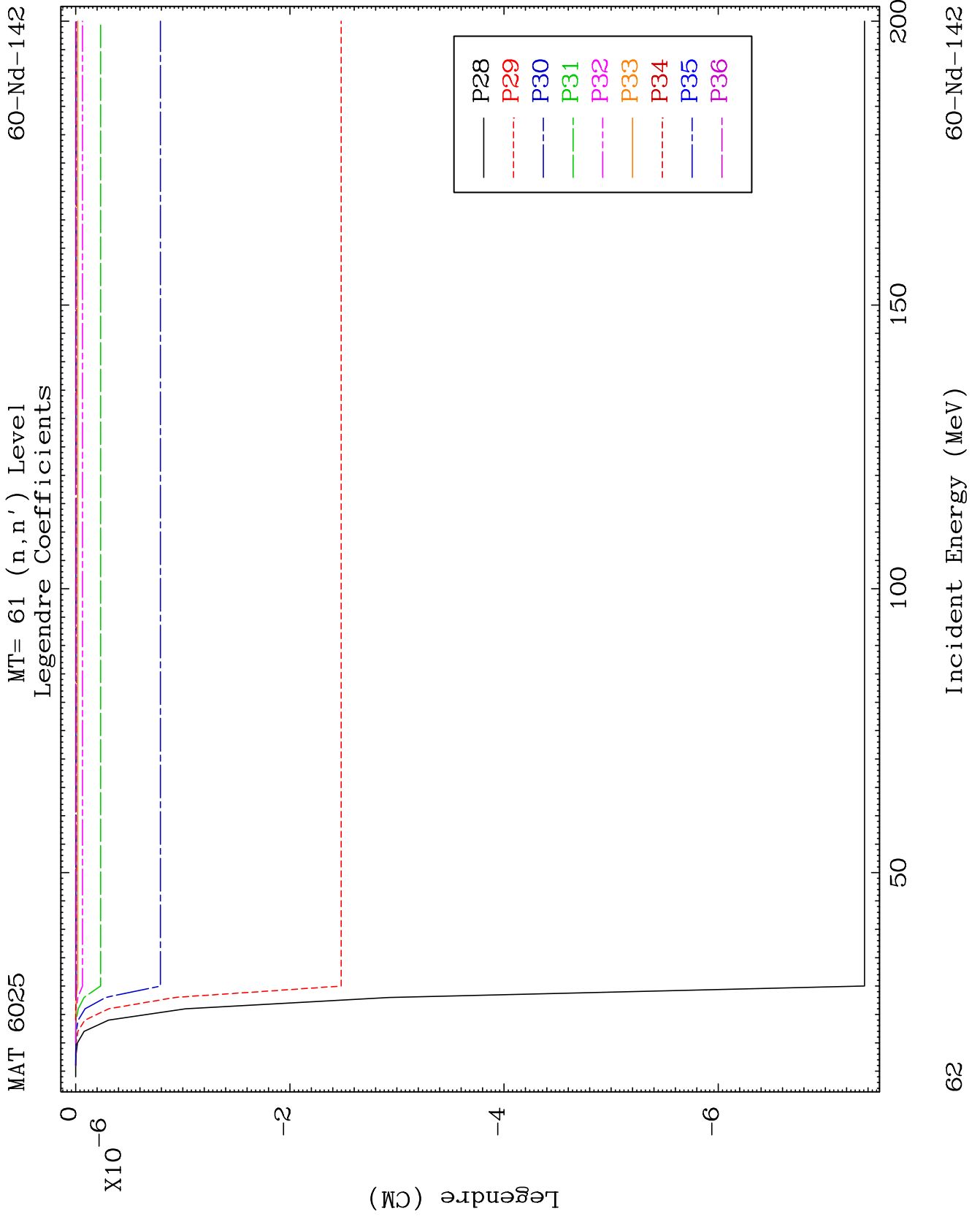
59

Incident Energy (MeV)

60-Nd-142



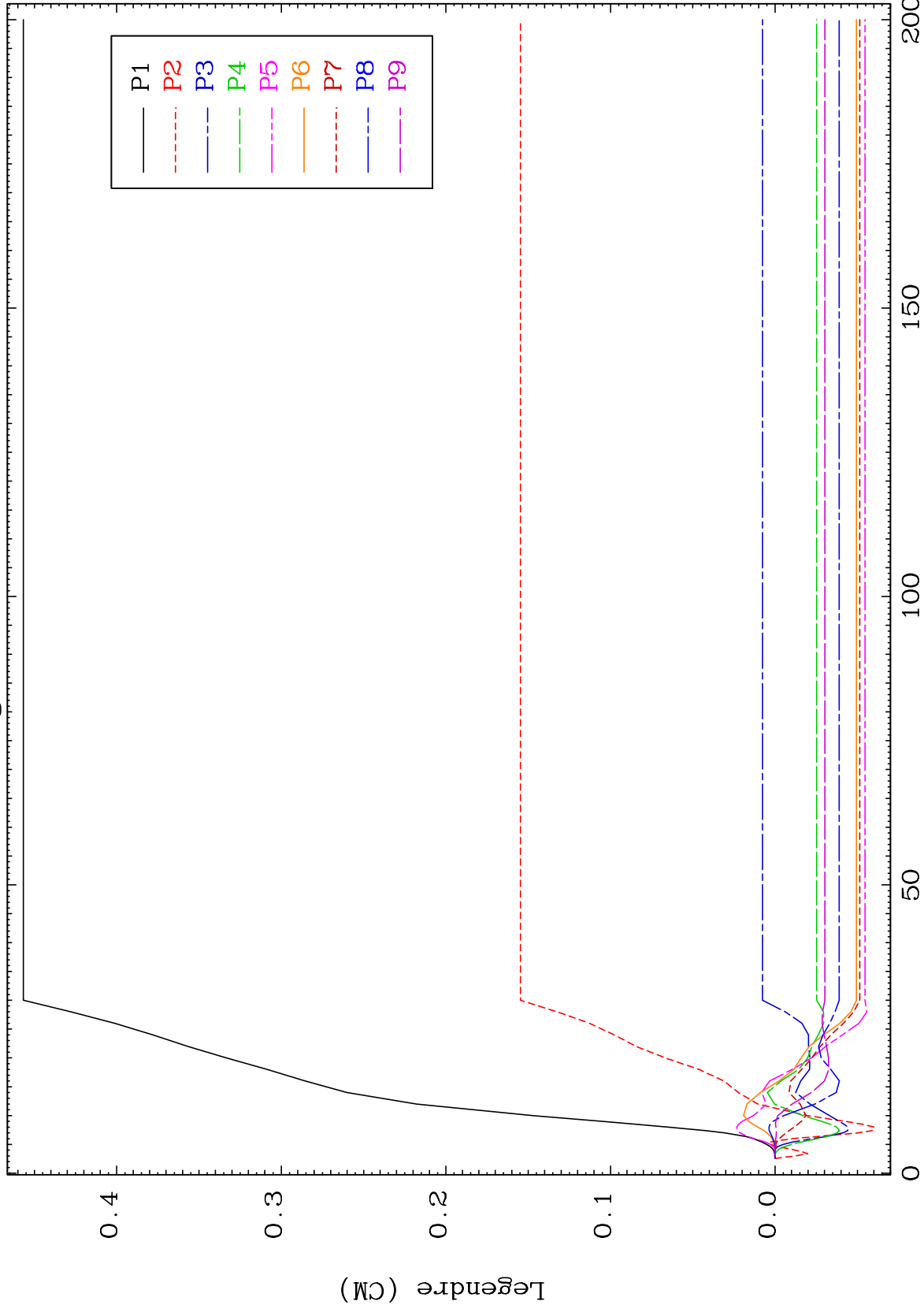




MAT 6025

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

60-Nd-142



60-Nd-142

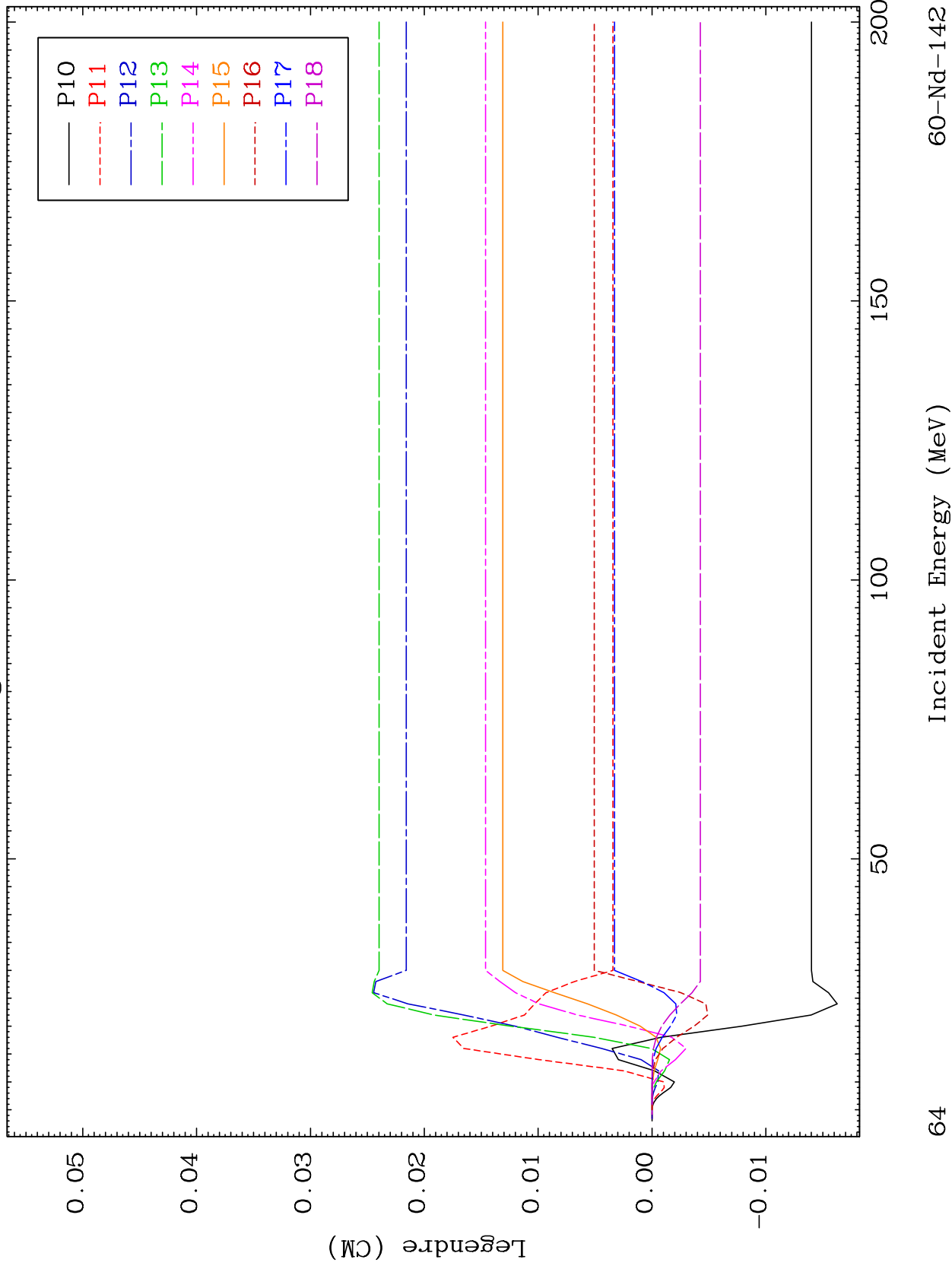
Incident Energy (MeV)

63

MAT 6025

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

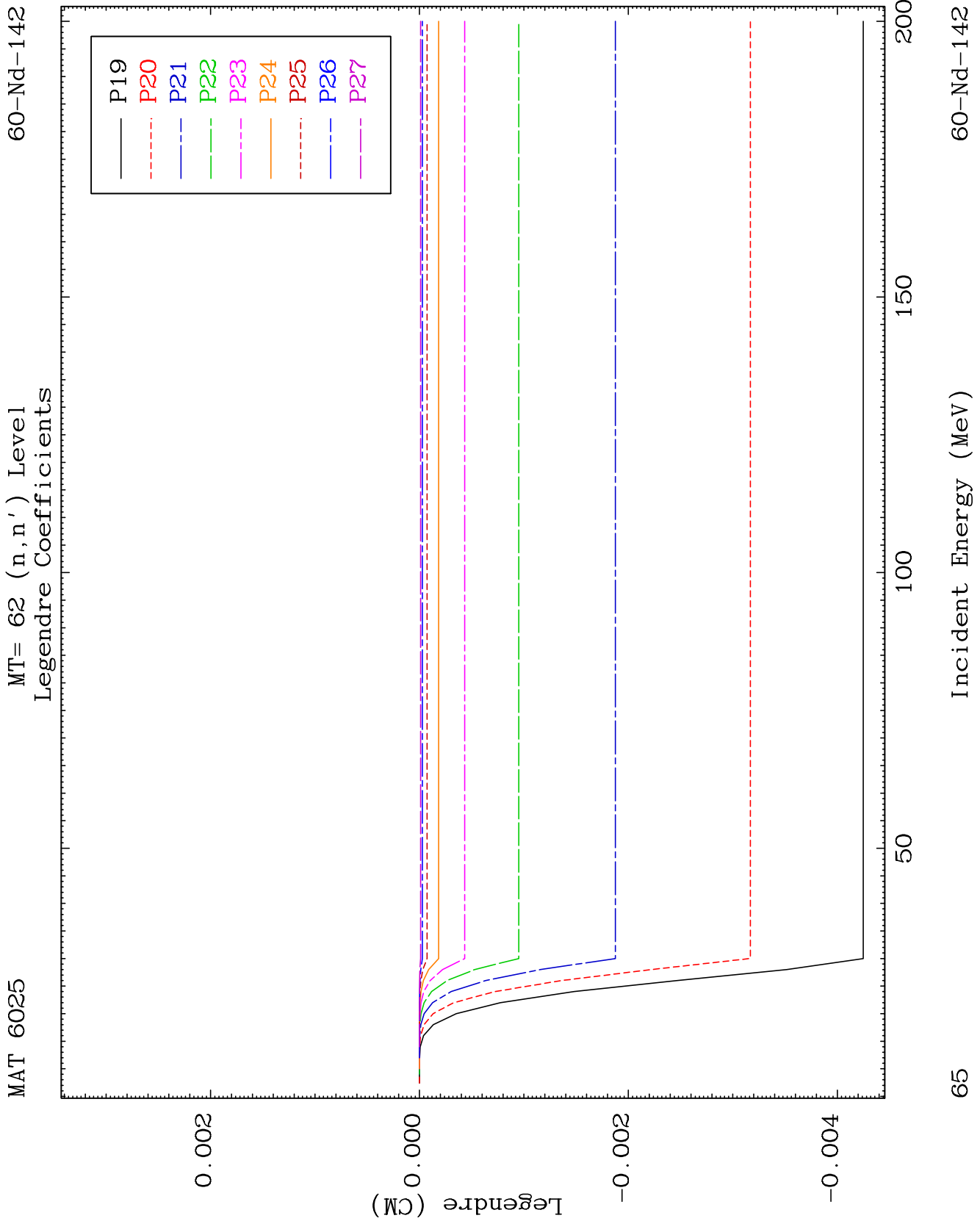
60-Nd-142

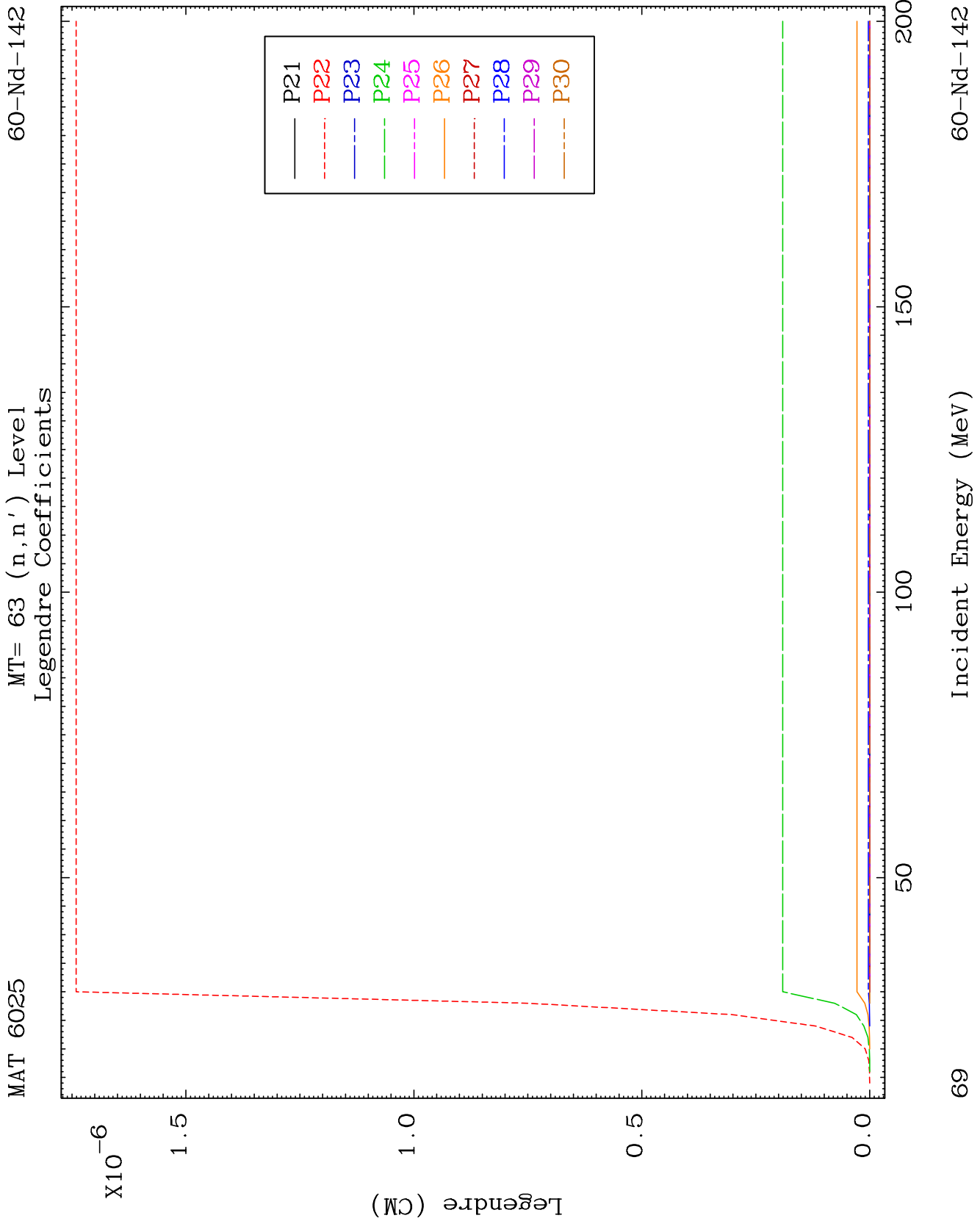


64

Incident Energy (MeV)

60-Nd-142

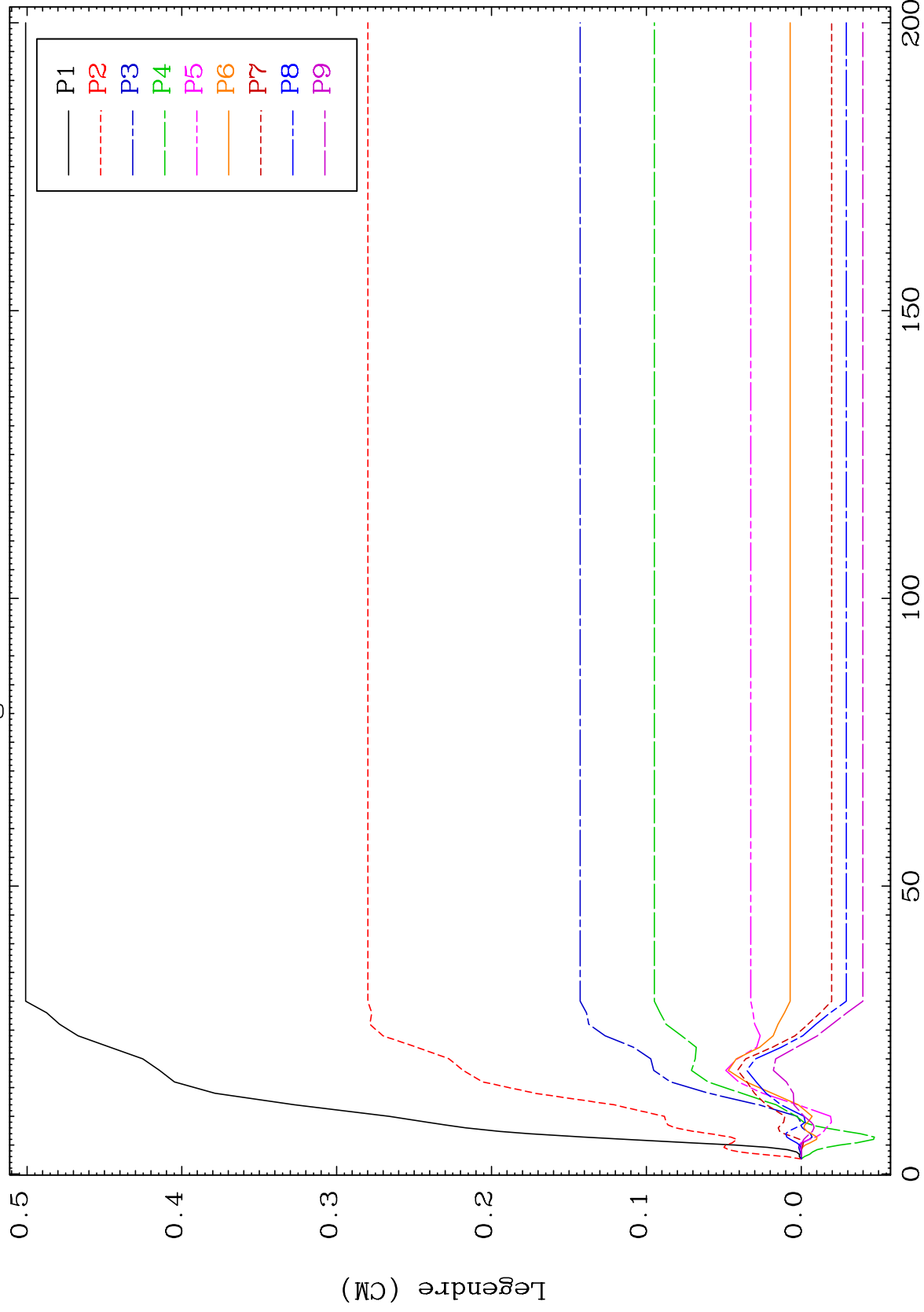




MAT 6025

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

60-Nd-142



60-Nd-142

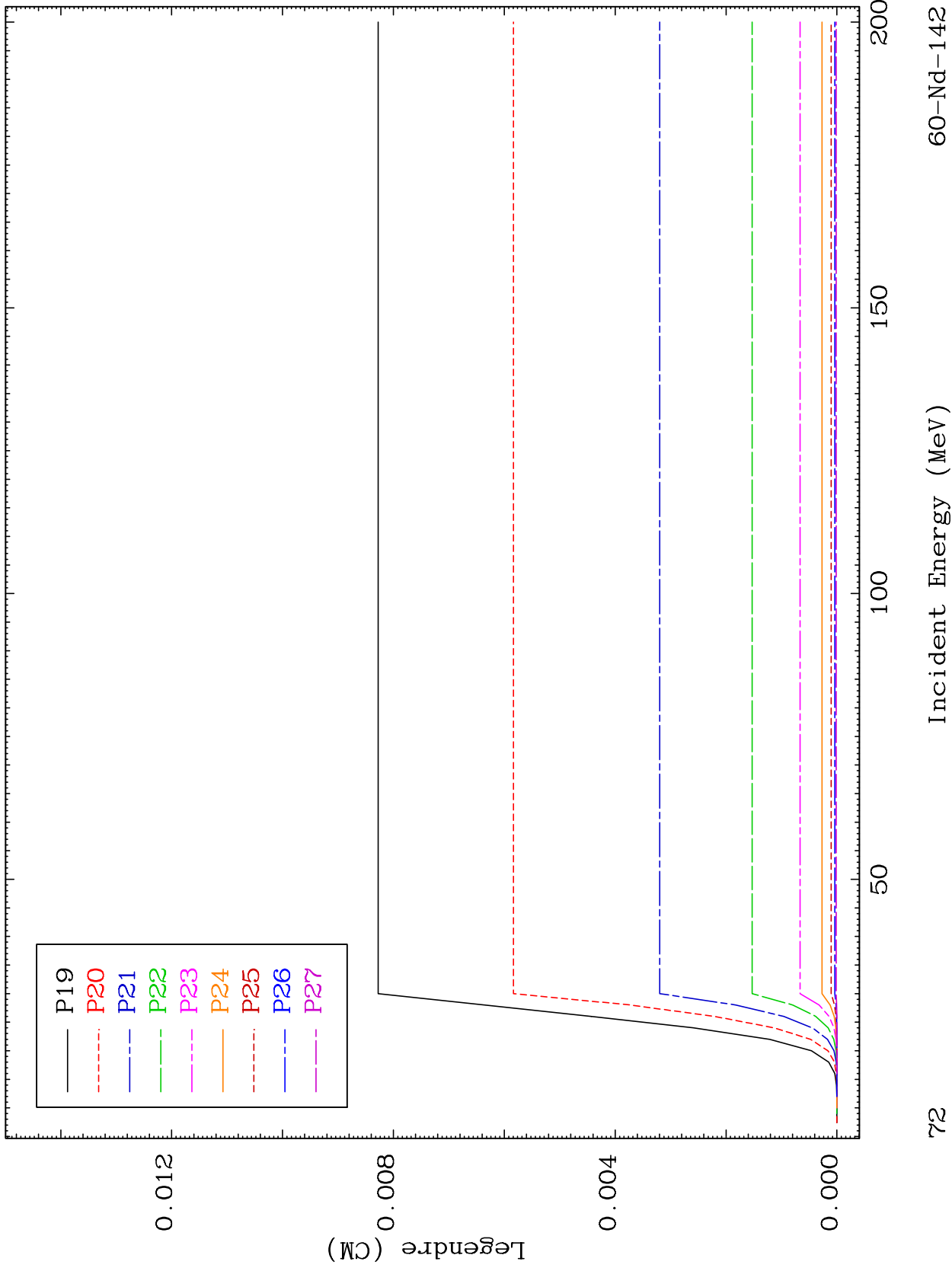
Incident Energy (MeV)

70

MAT 6025

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

60-Nd-142



72

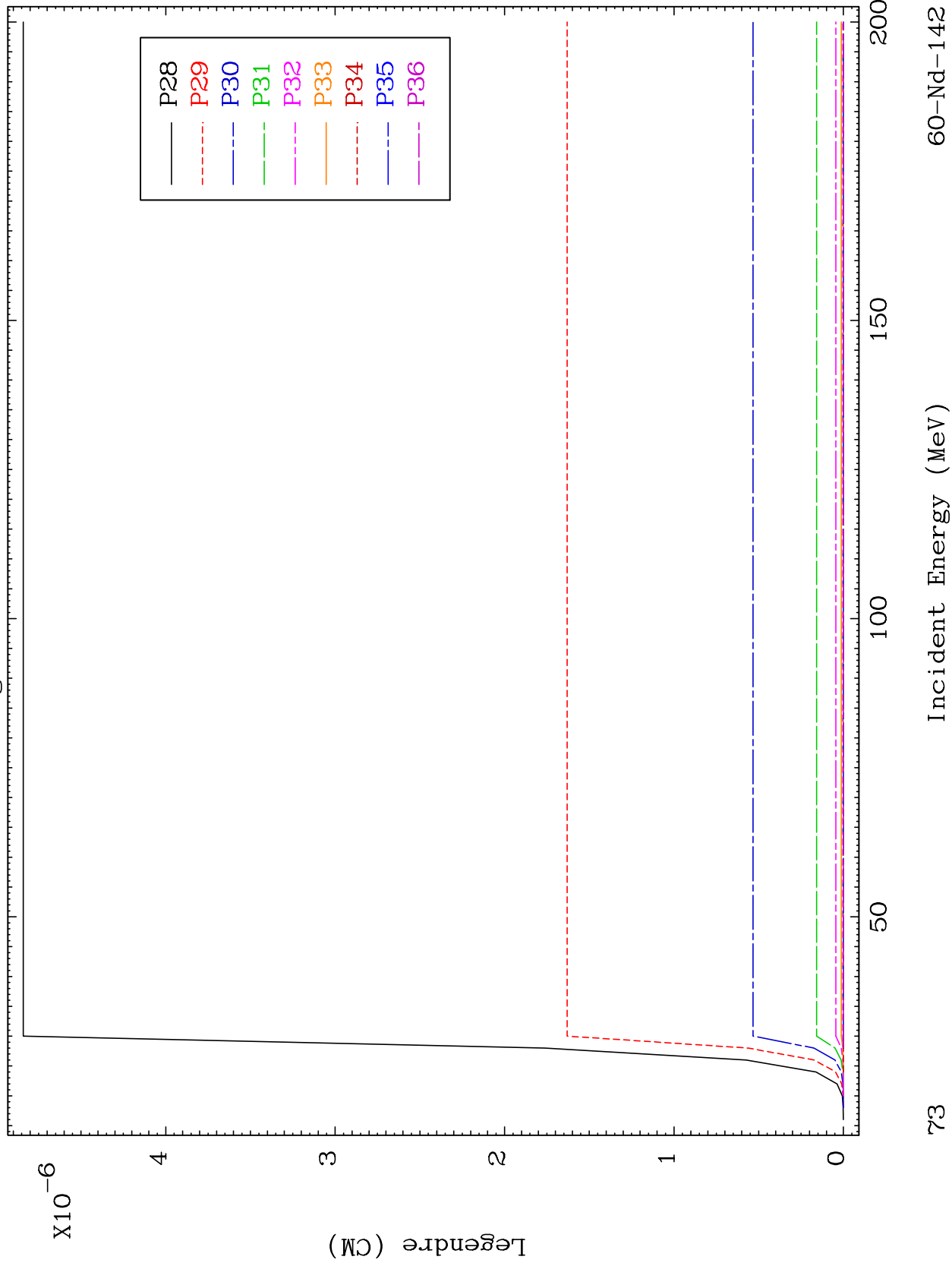
Incident Energy (MeV)

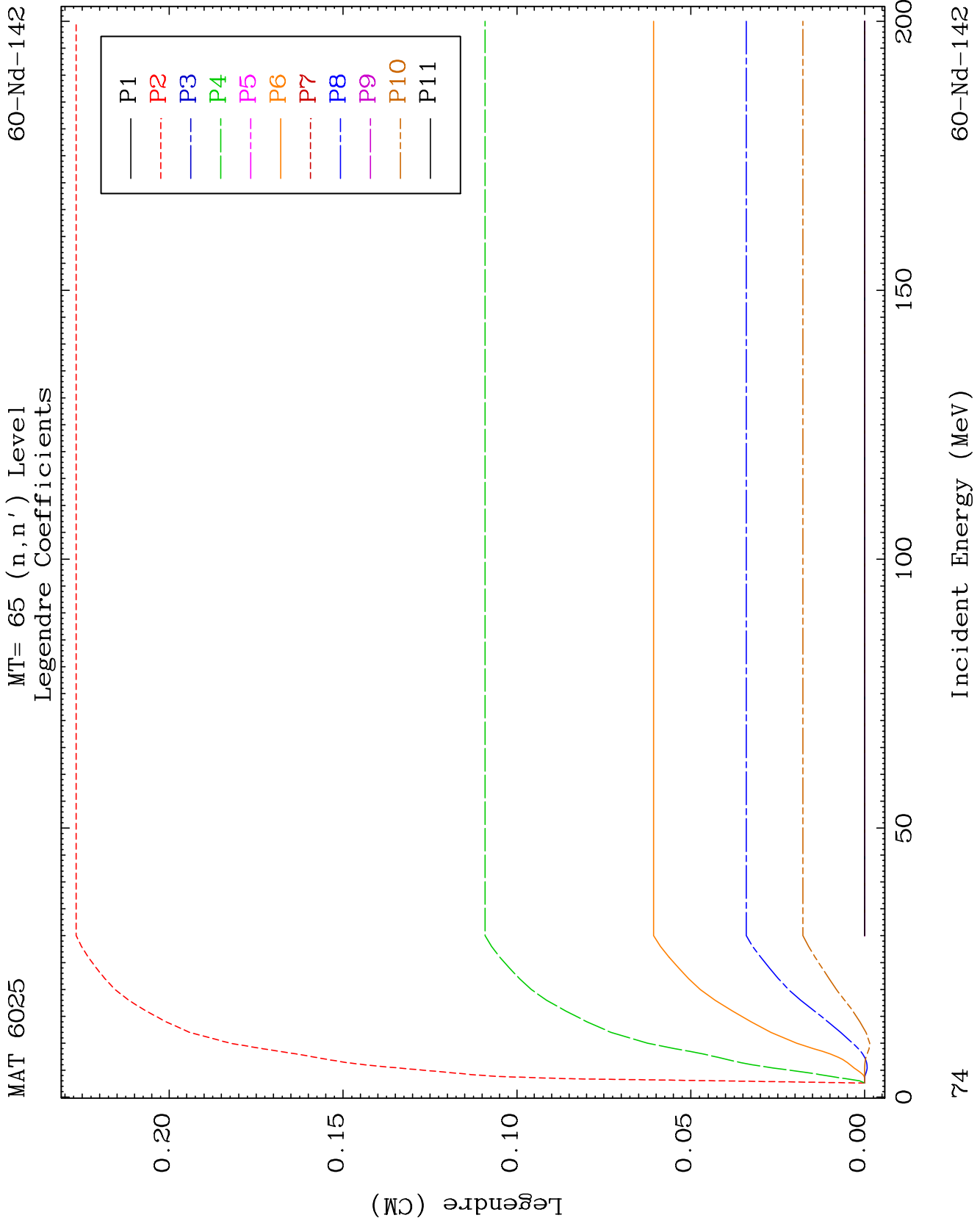
60-Nd-142

MAT 6025

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

60-Nd-142

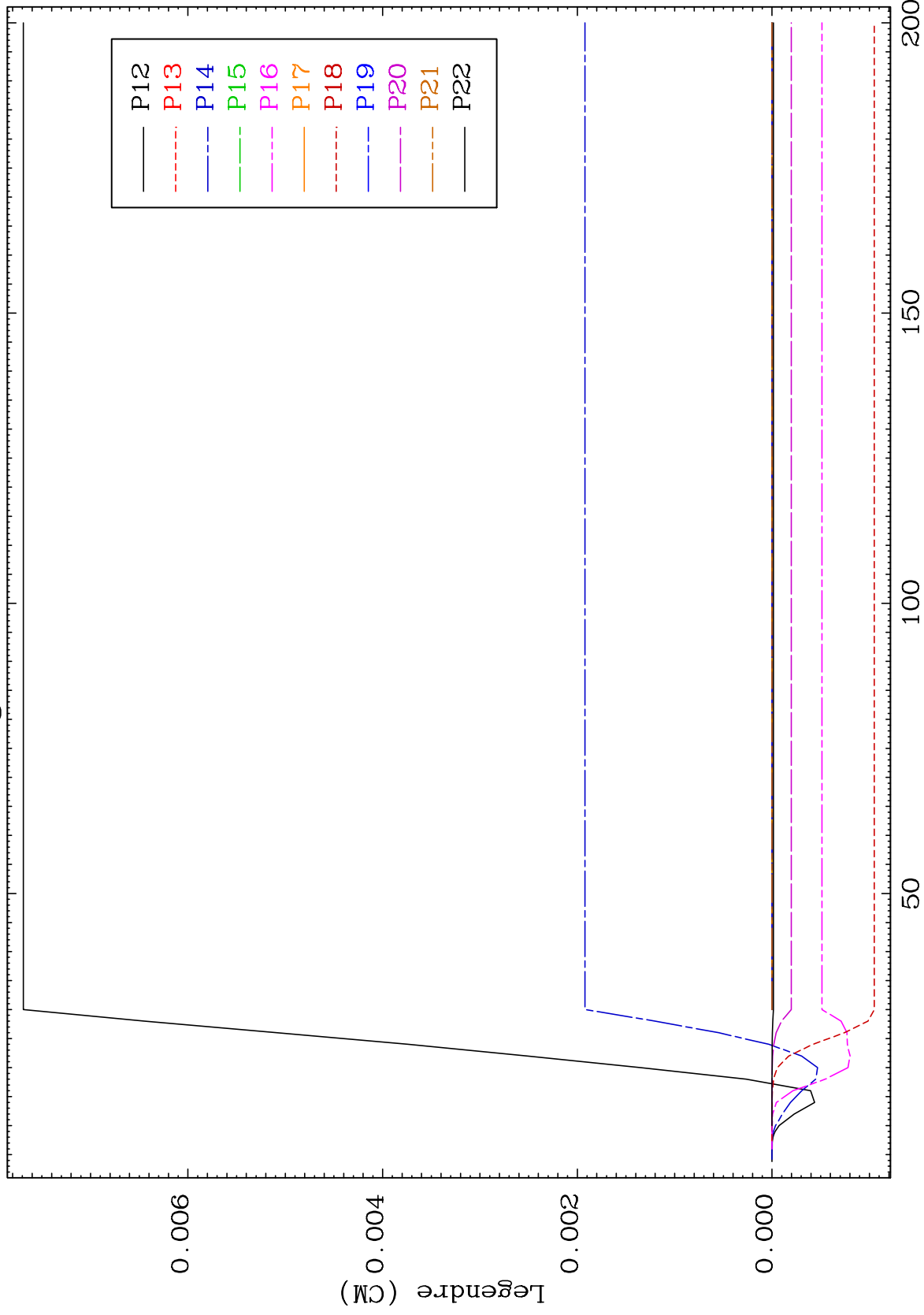




MAT 6025

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

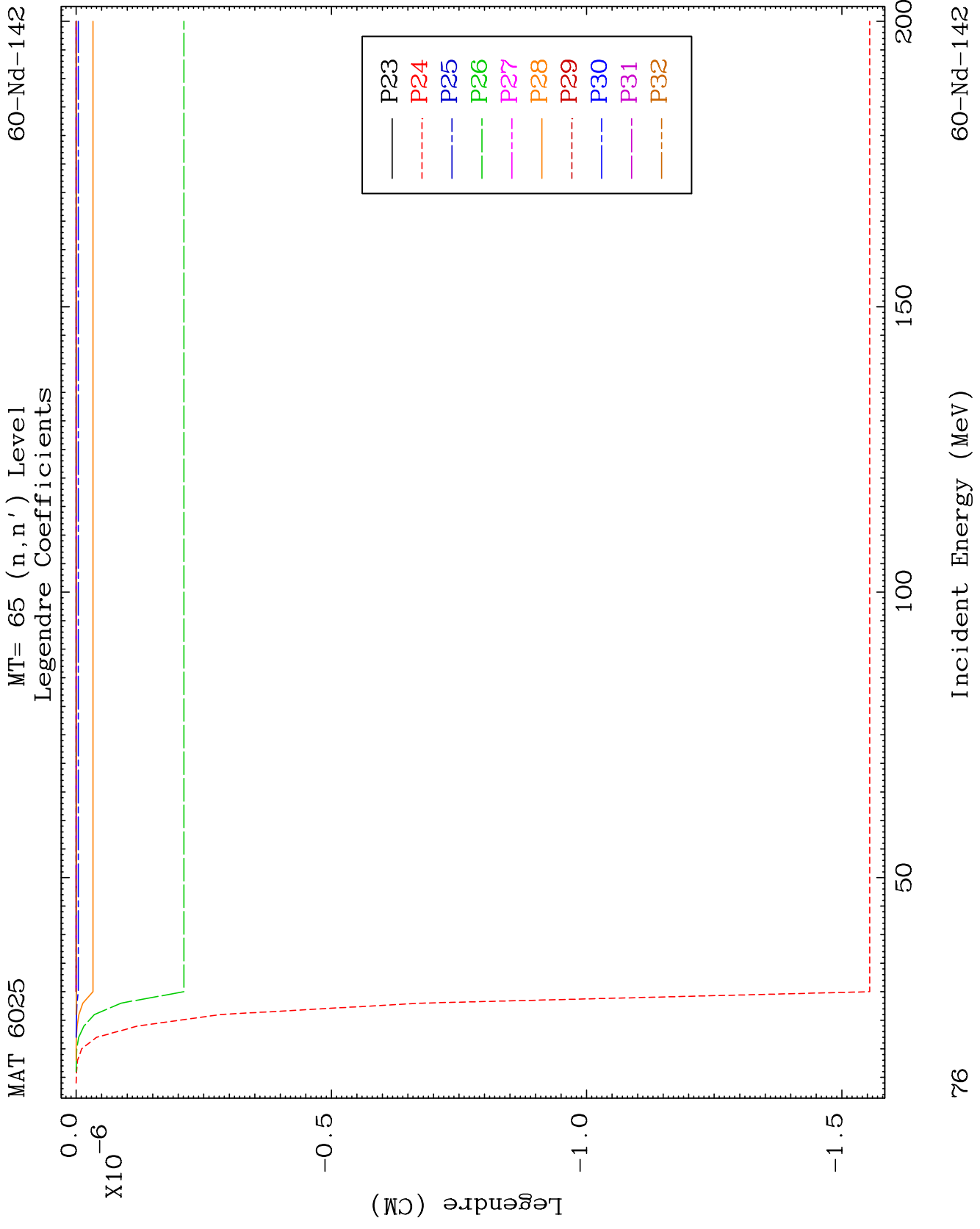
60-Nd-142



75

Incident Energy (MeV)

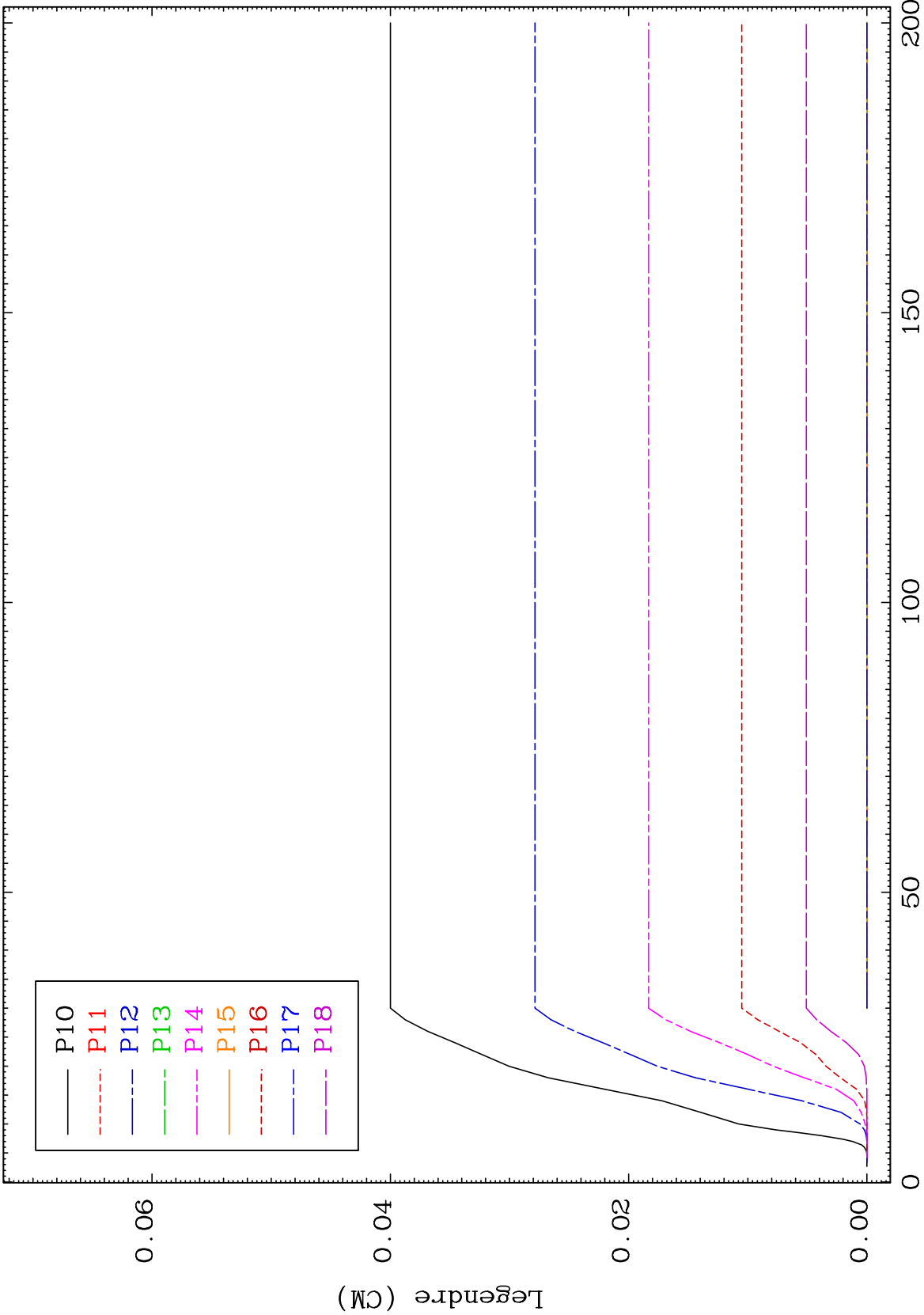
60-Nd-142



MAT 6025

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

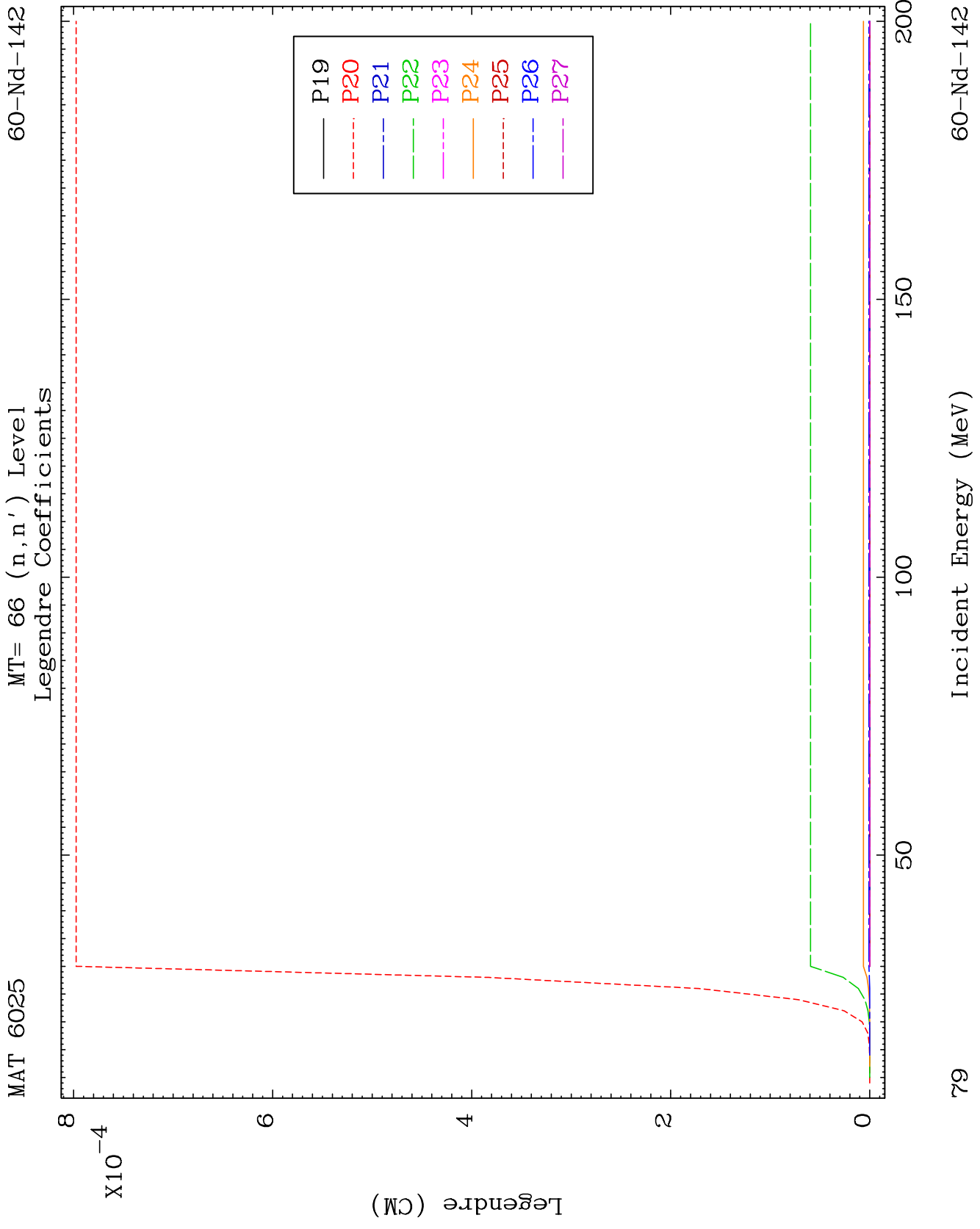
60-Nd-142



78

Incident Energy (MeV)

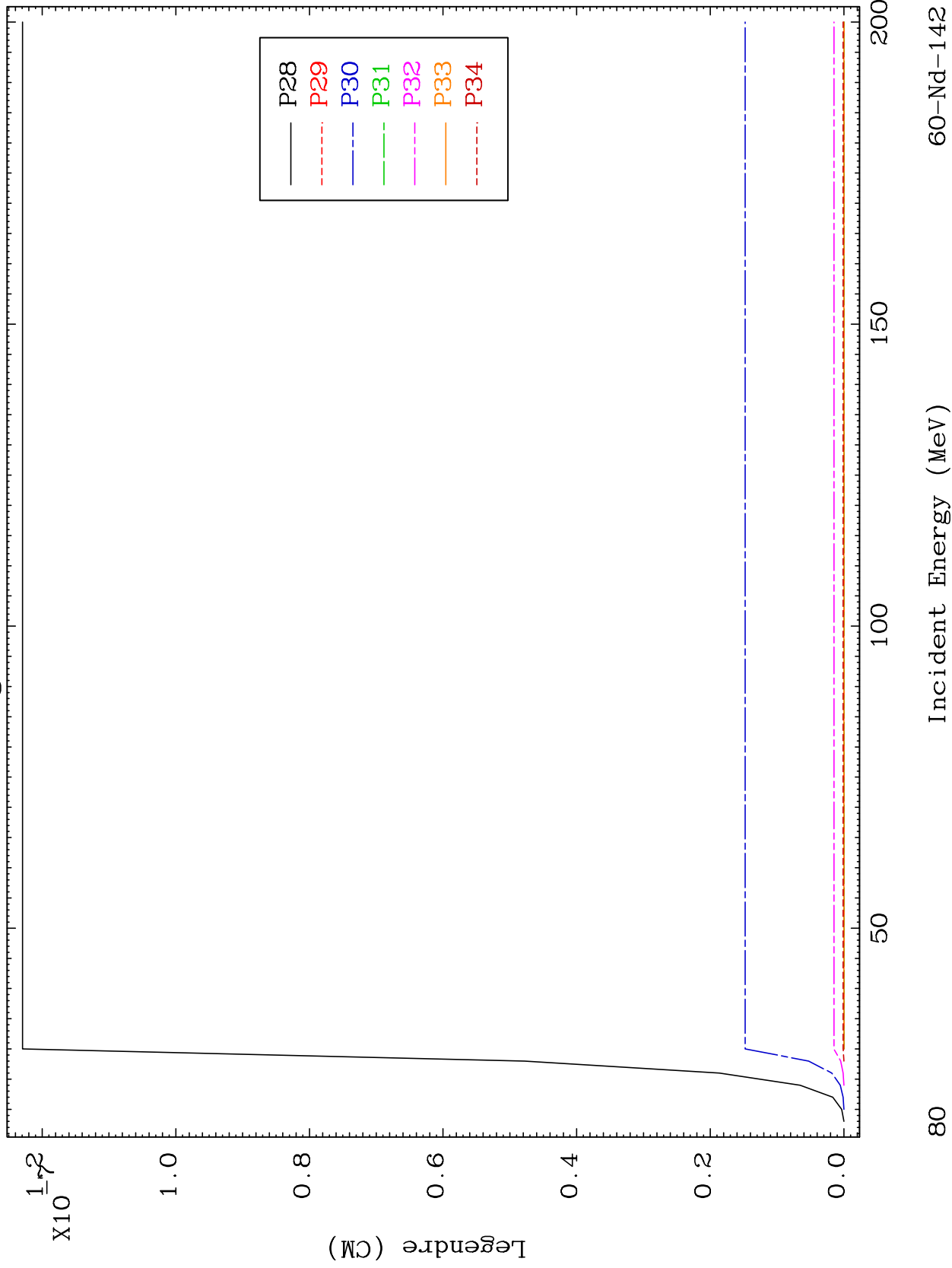
60-Nd-142



MAT 6025

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

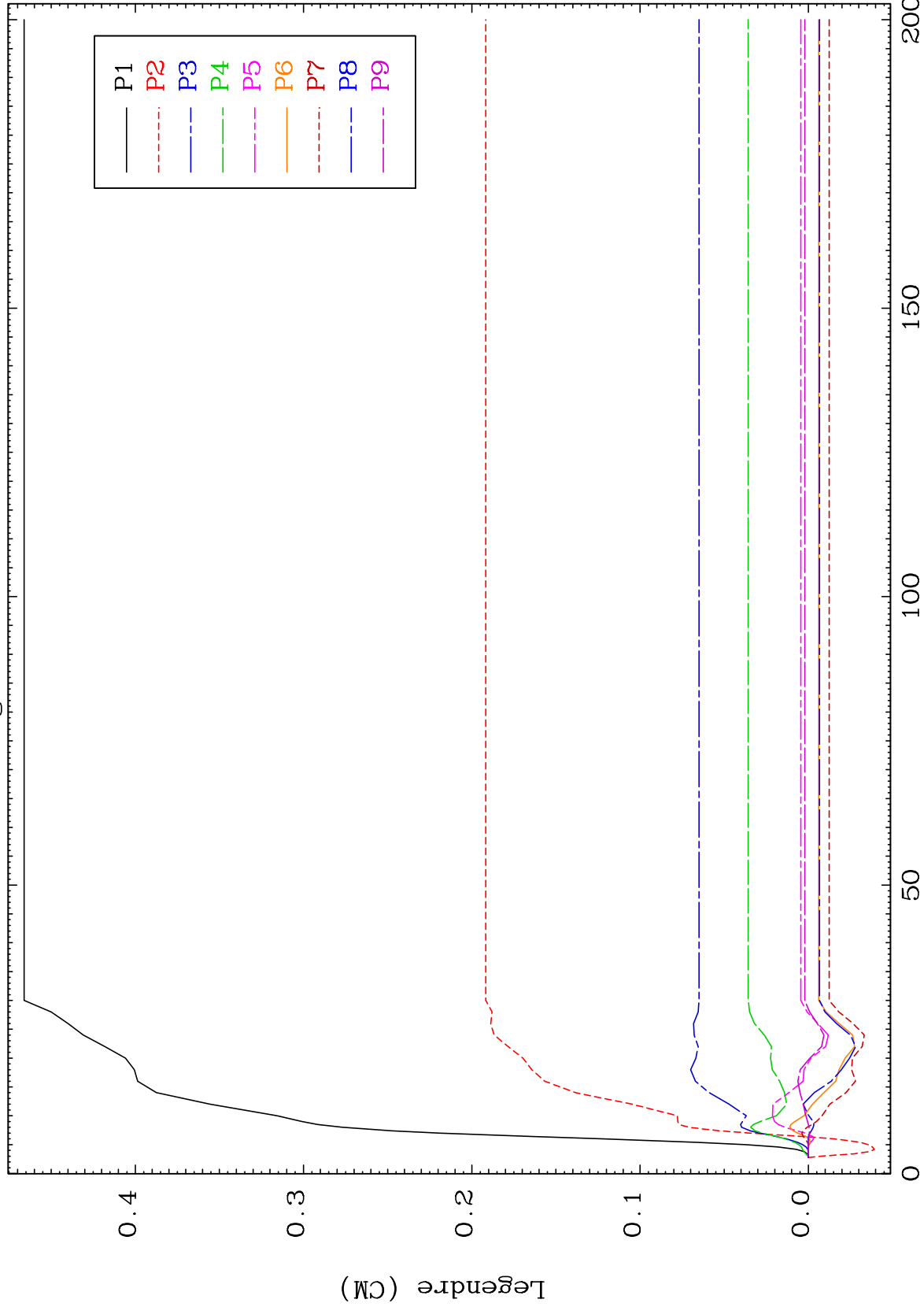
60-Nd-142



MAT 6025

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

60-Nd-142



81

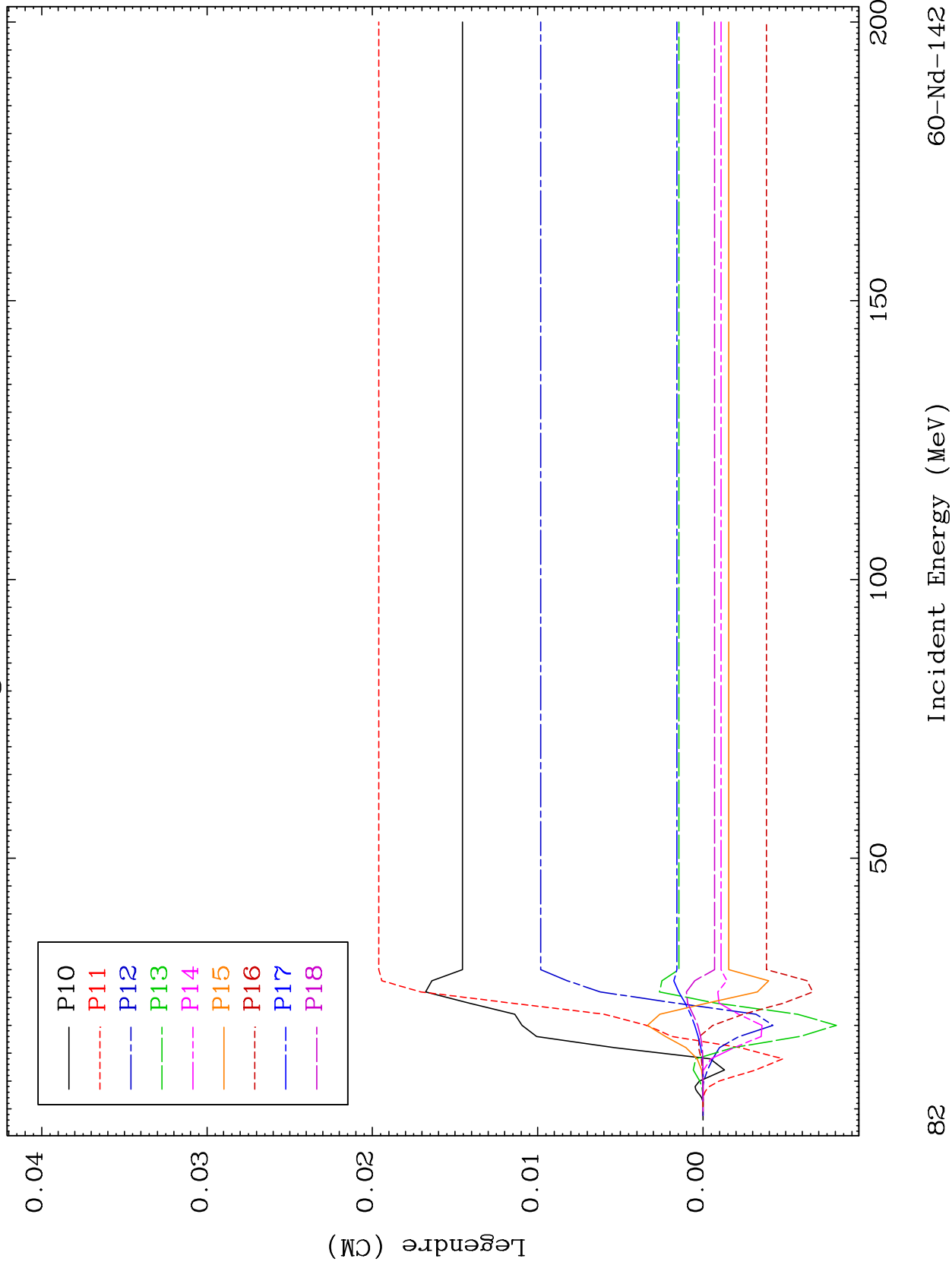
Incident Energy (MeV)

60-Nd-142

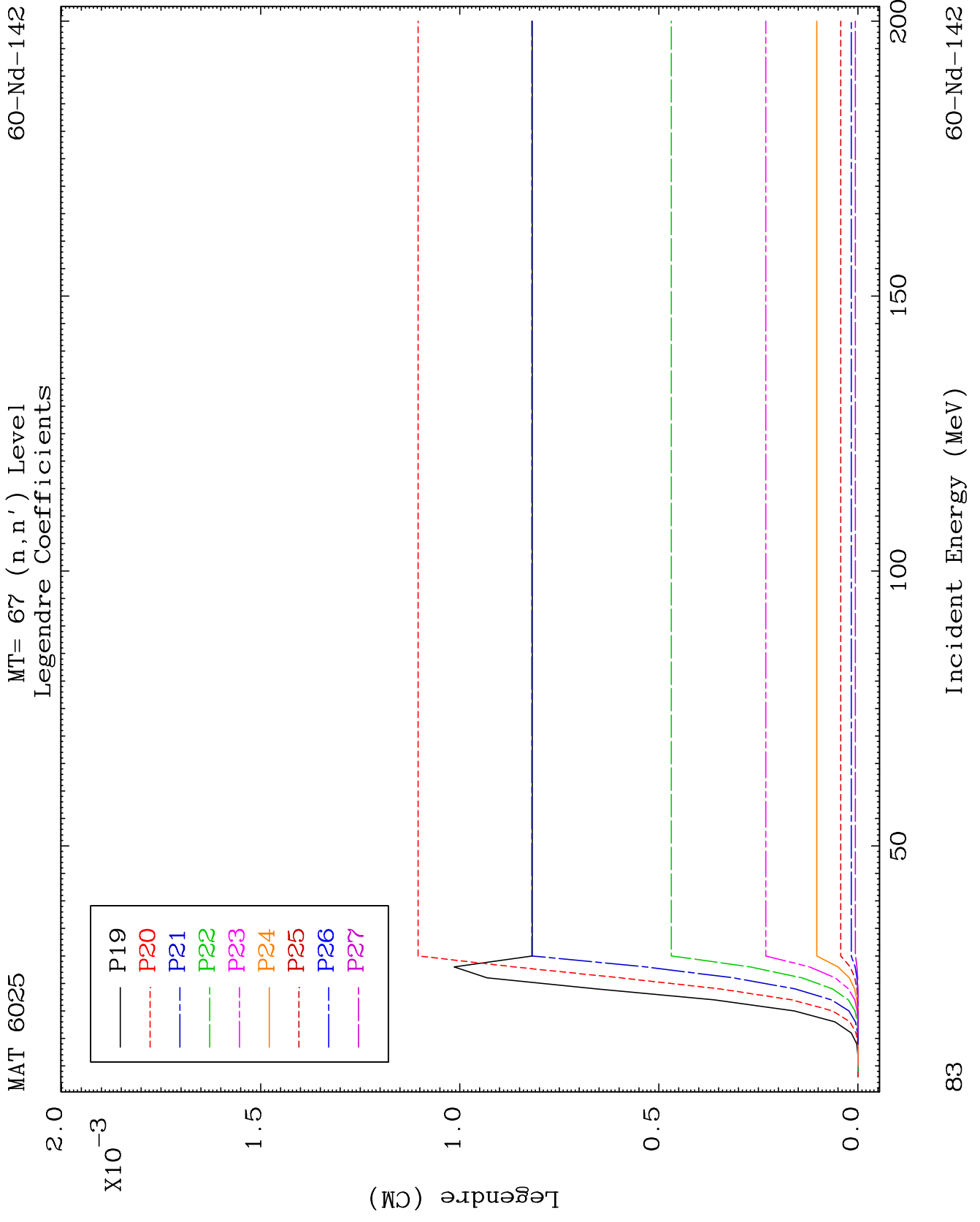
MAT 6025

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

60-Nd-142



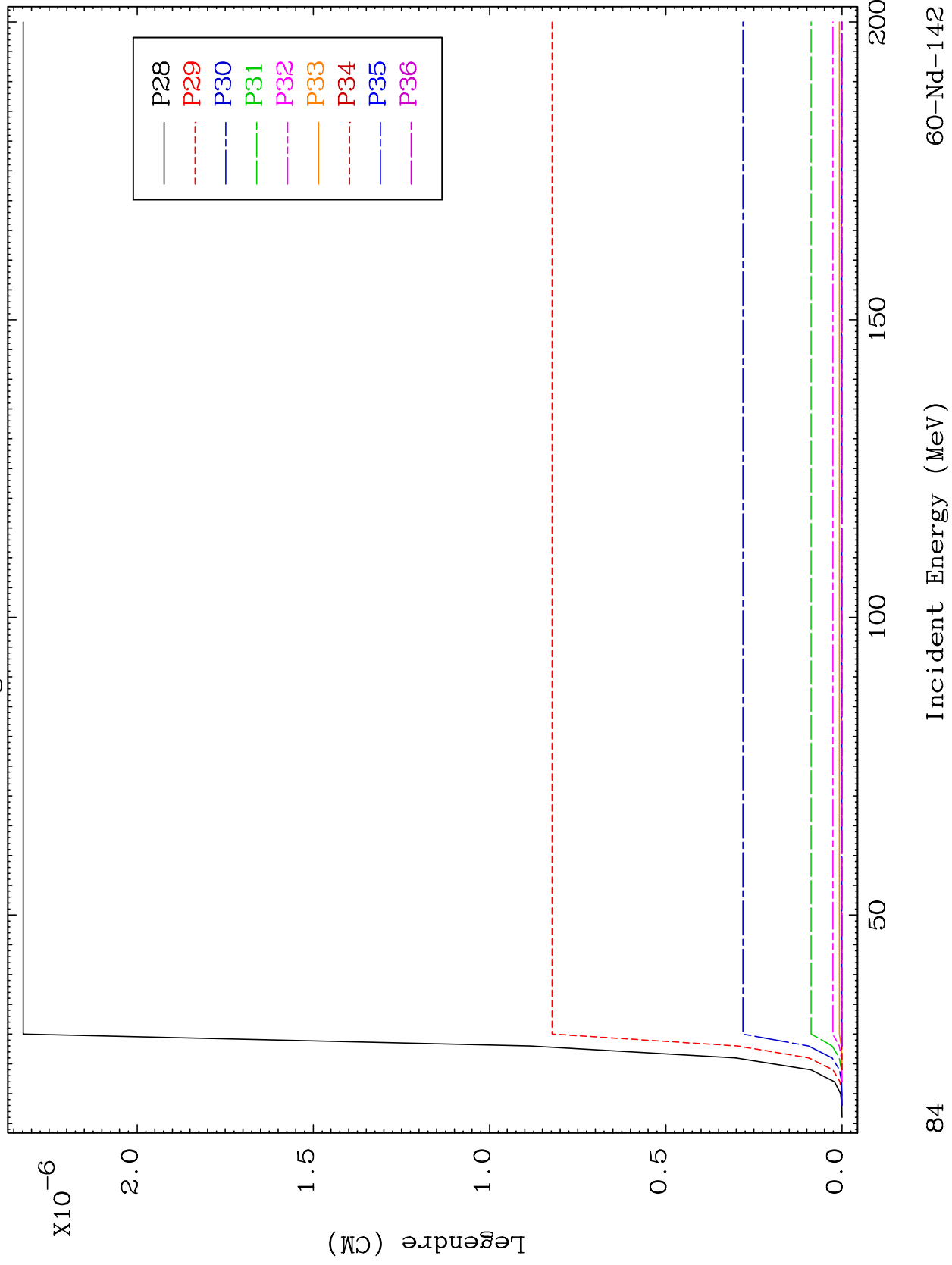
82



MAT 6025

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

60-Nd-142



84

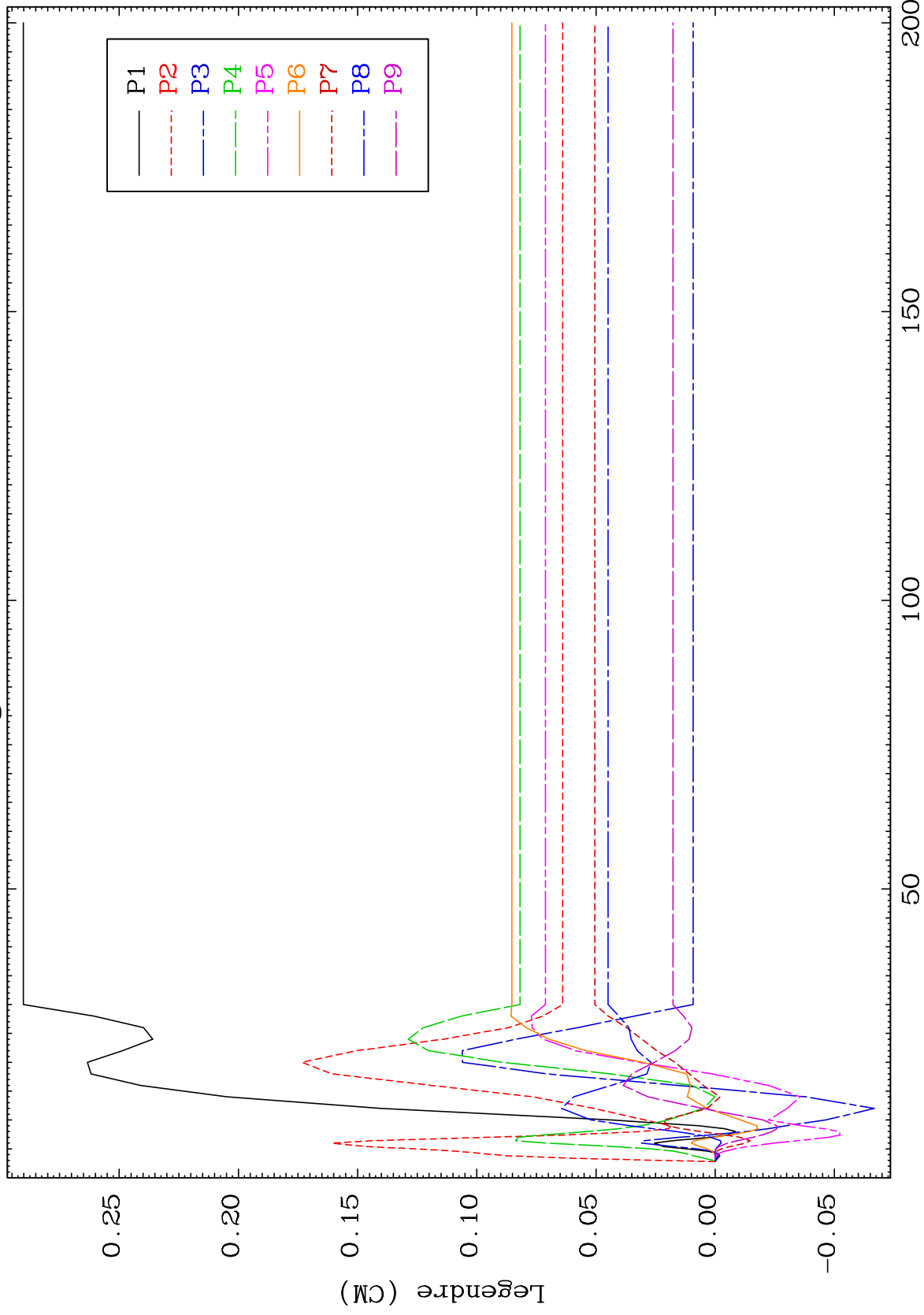
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

60-Nd-142



60-Nd-142

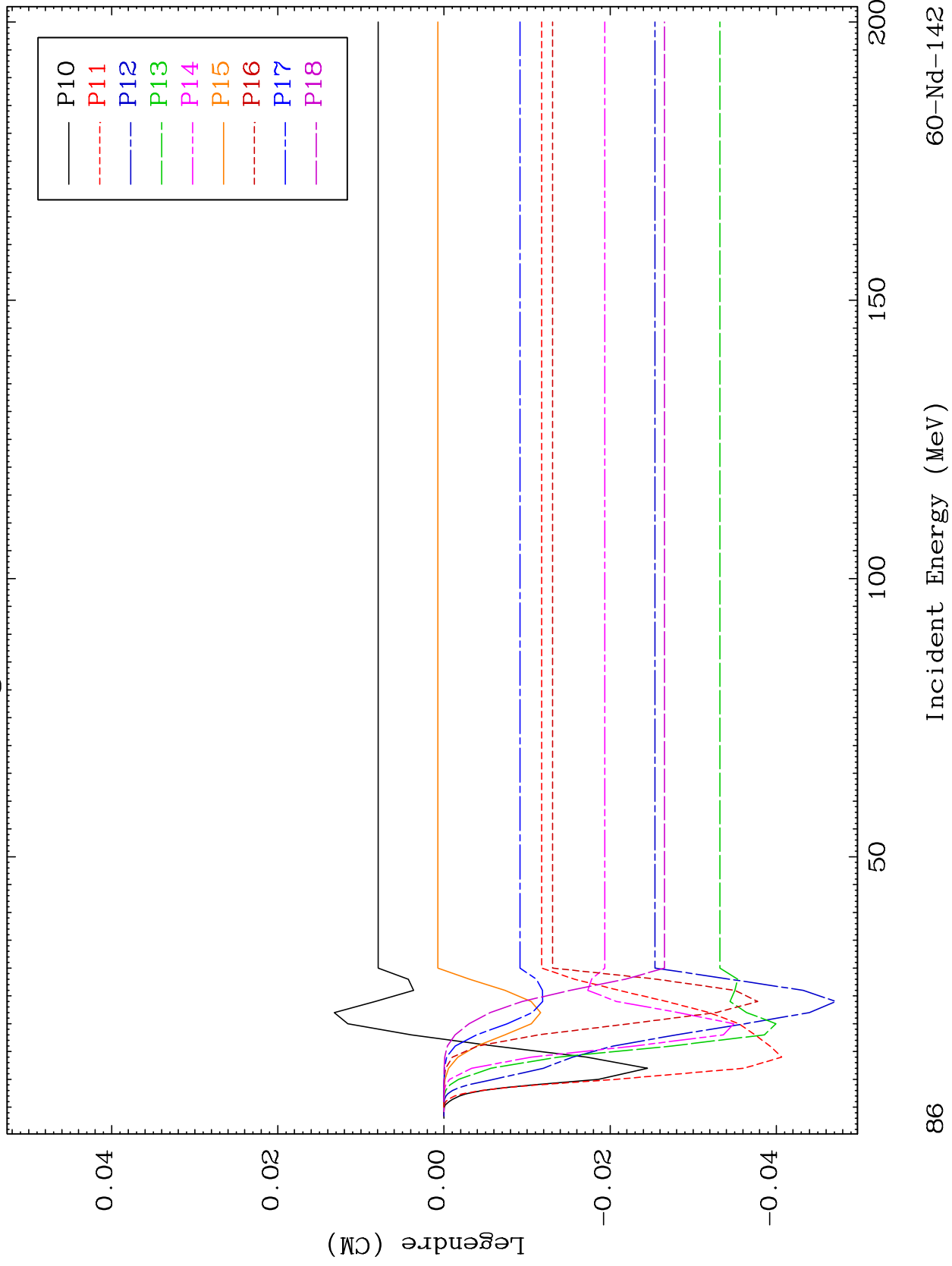
Incident Energy (MeV)

85

MAT 6025

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

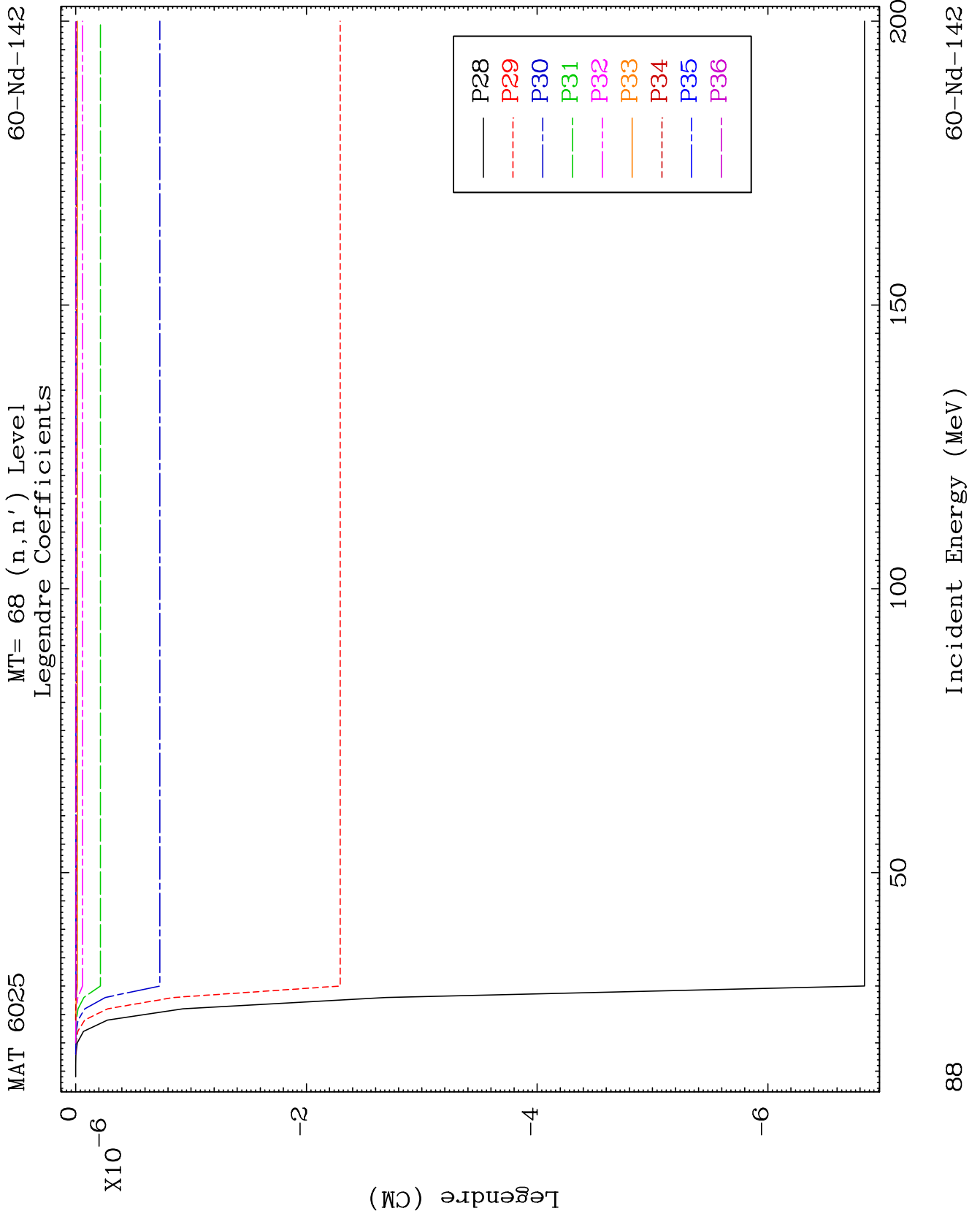
60-Nd-142



86

Incident Energy (MeV)

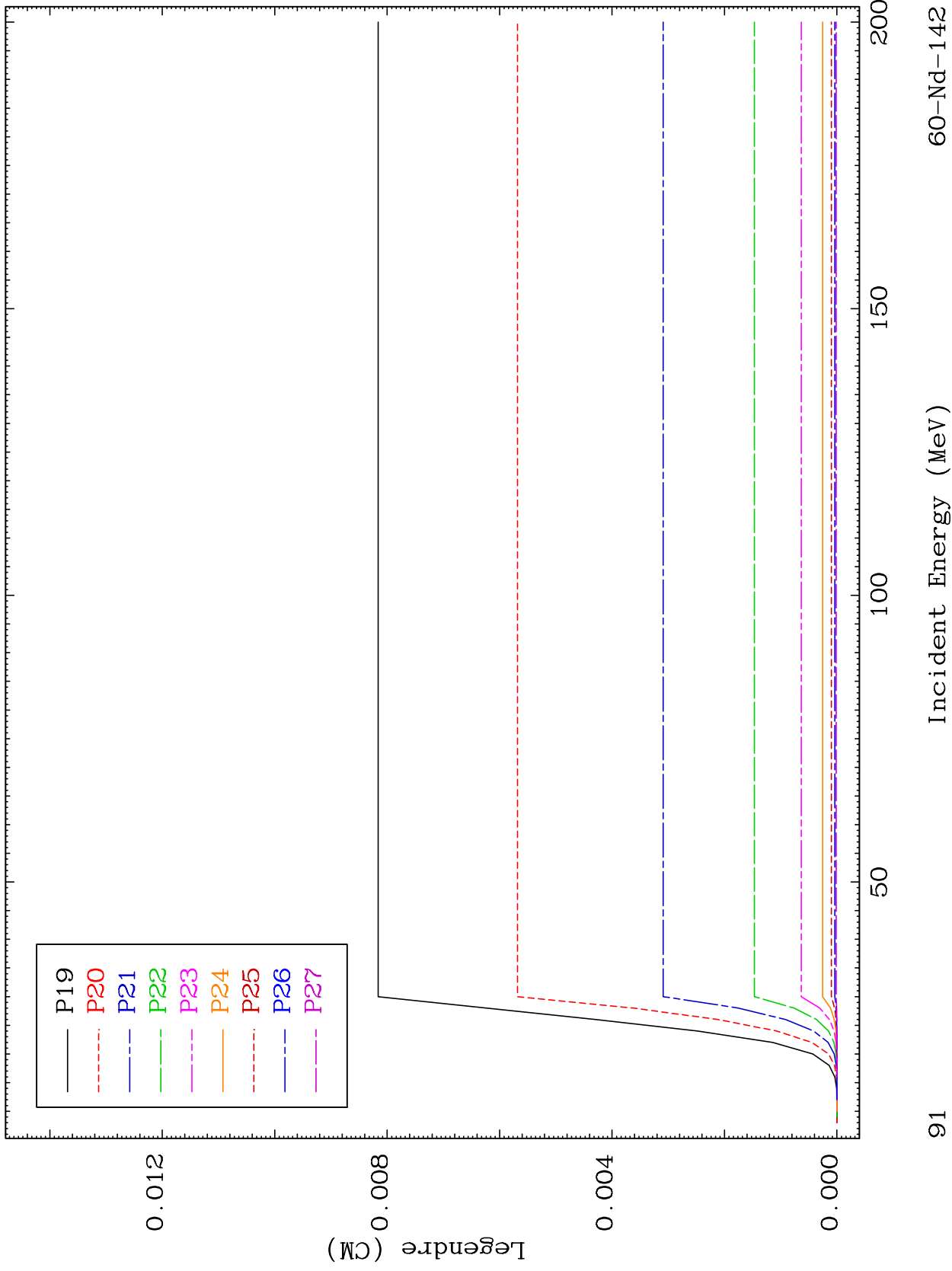
60-Nd-142



MAT 6025

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

60-Nd-142



91

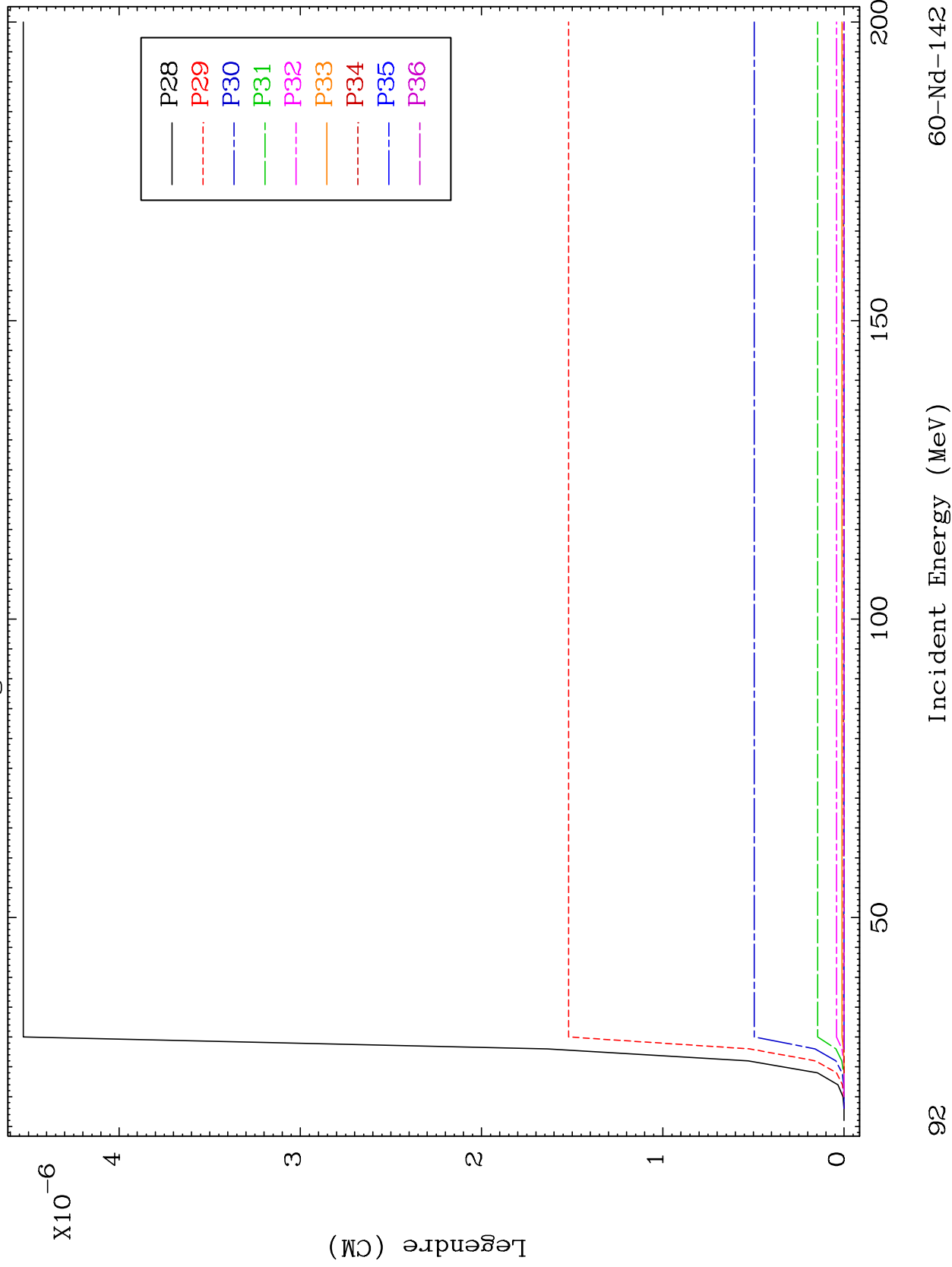
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

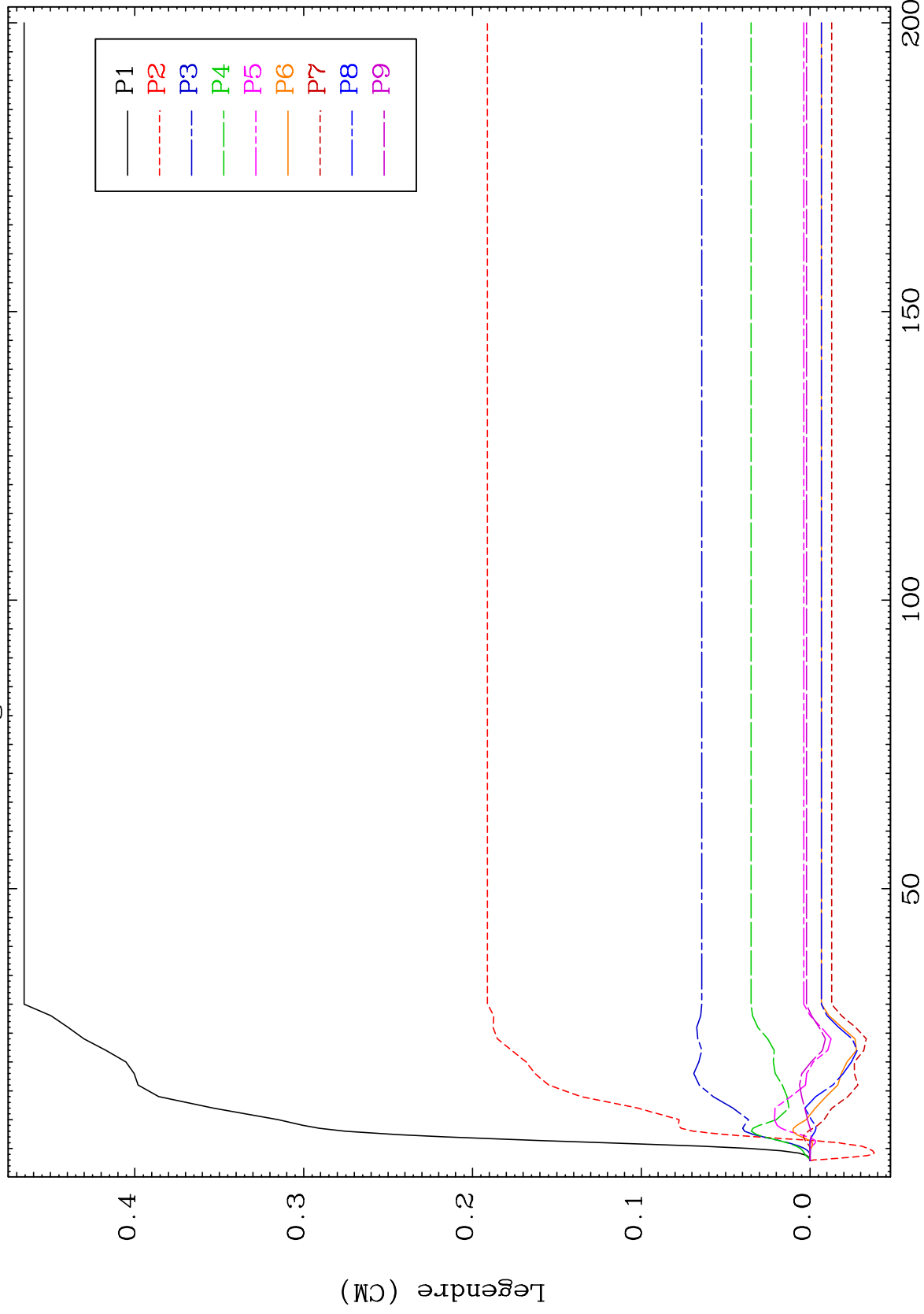
60-Nd-142



MAT 6025

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

60-Nd-142



93

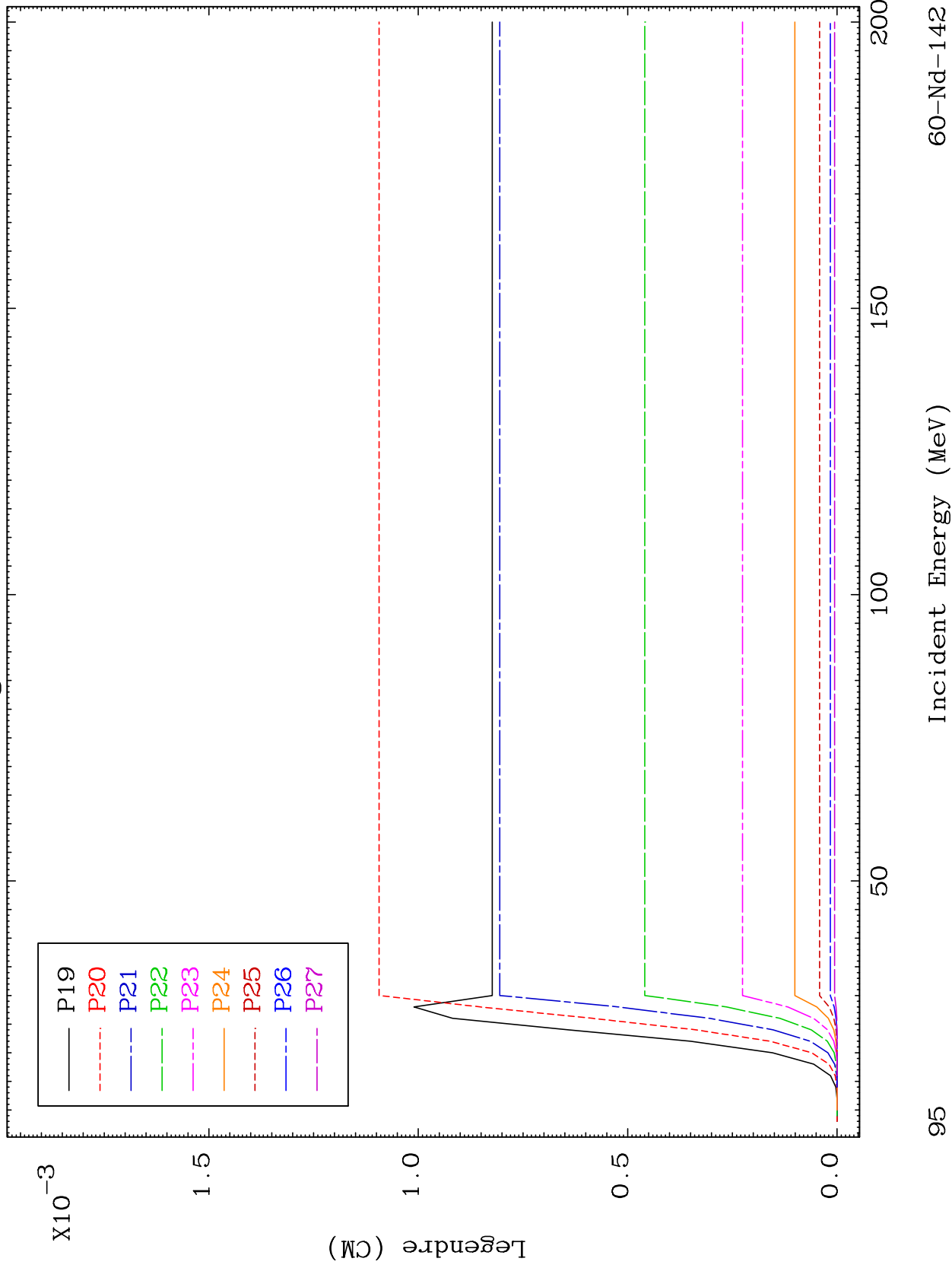
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

60-Nd-142



95

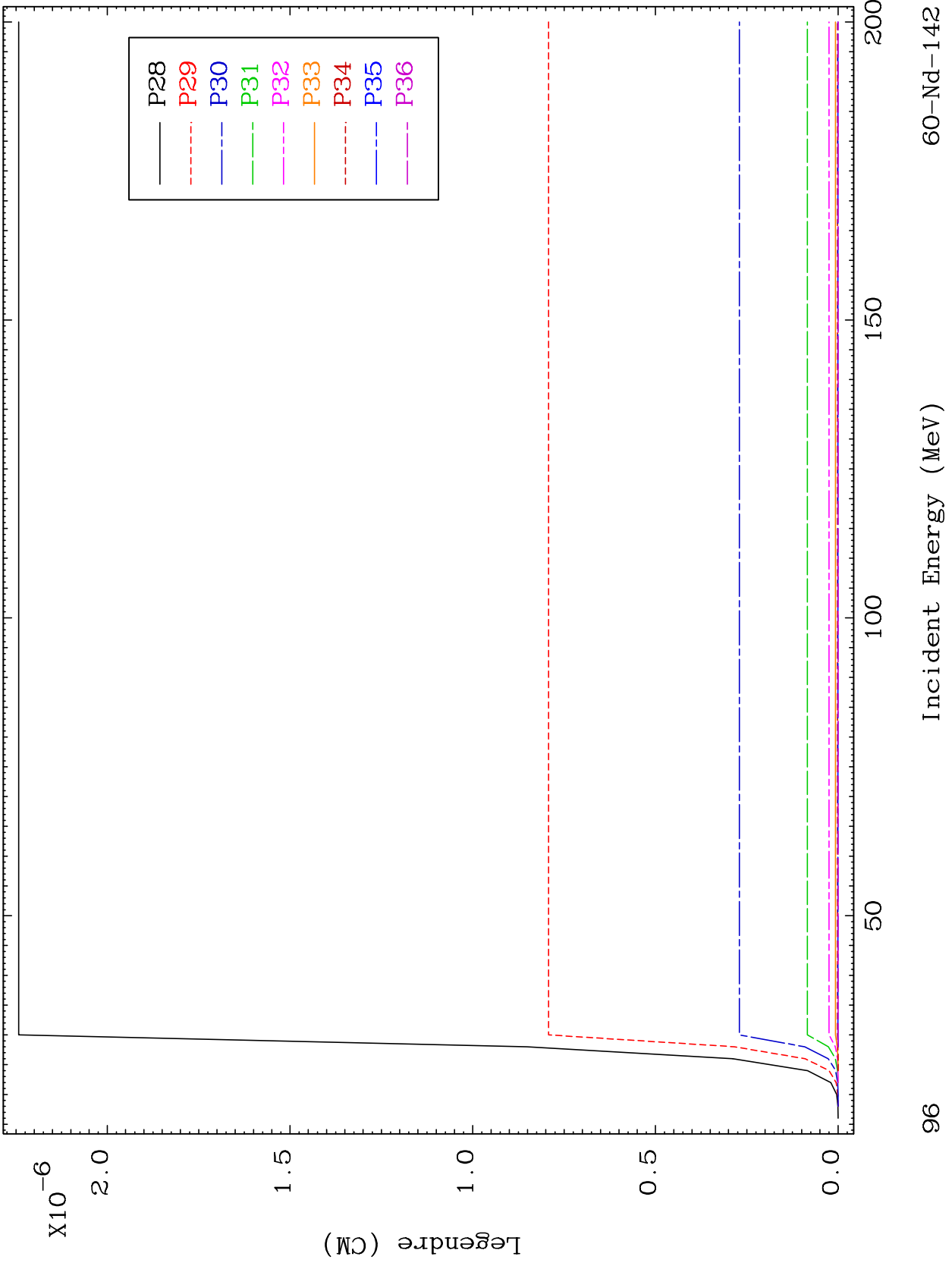
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

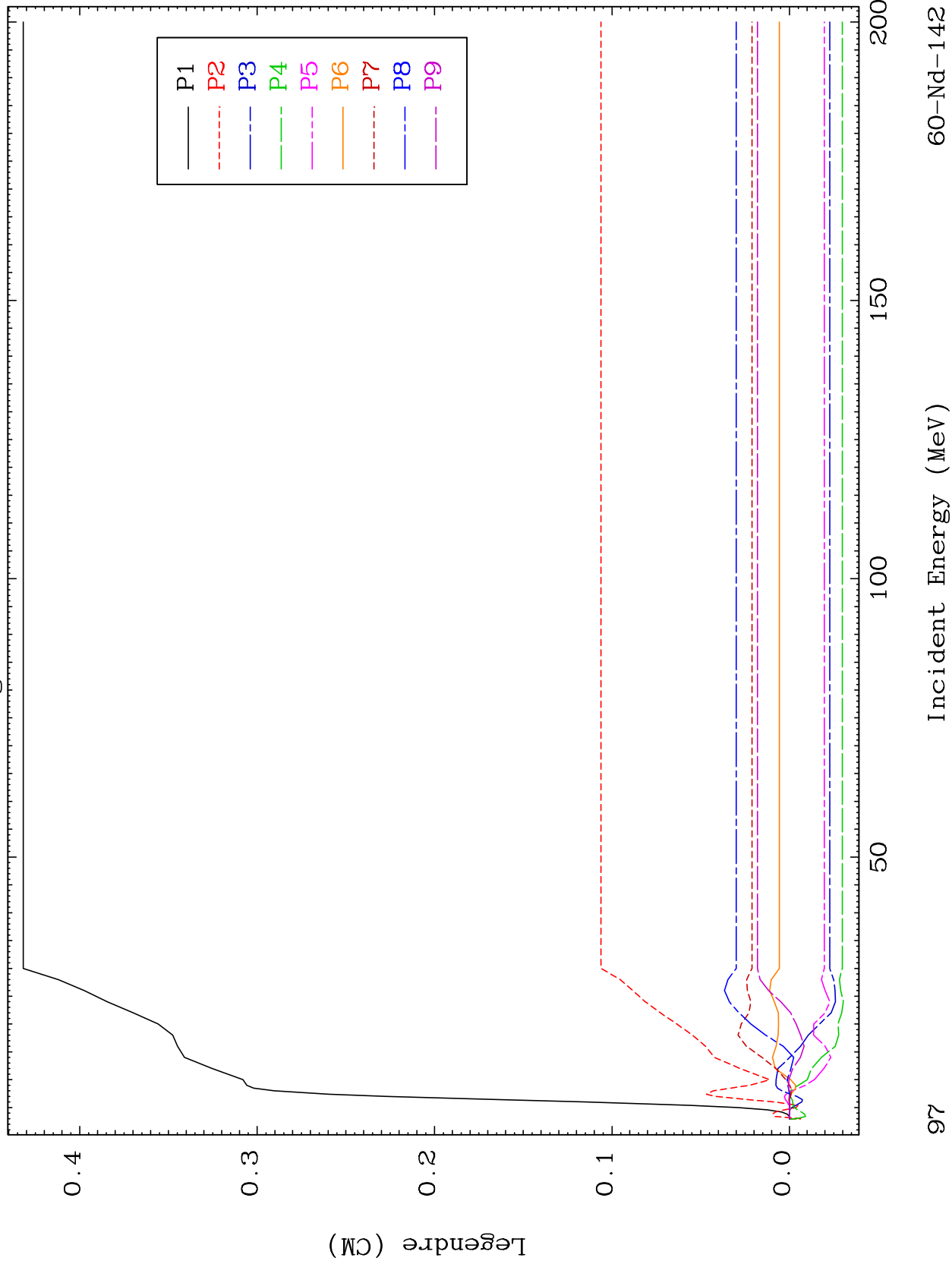
60-Nd-142



MAT 6025

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

60-Nd-142



97

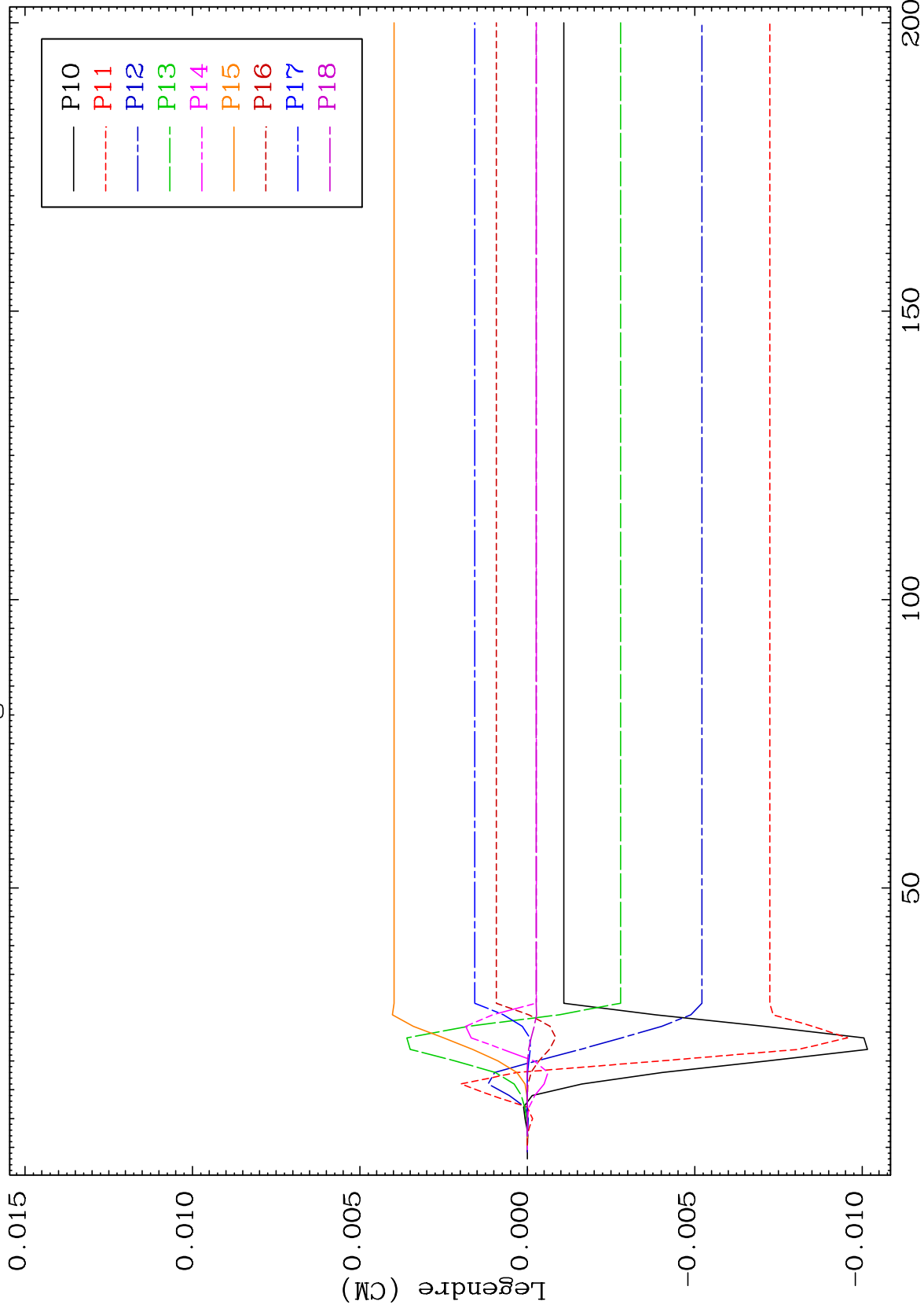
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

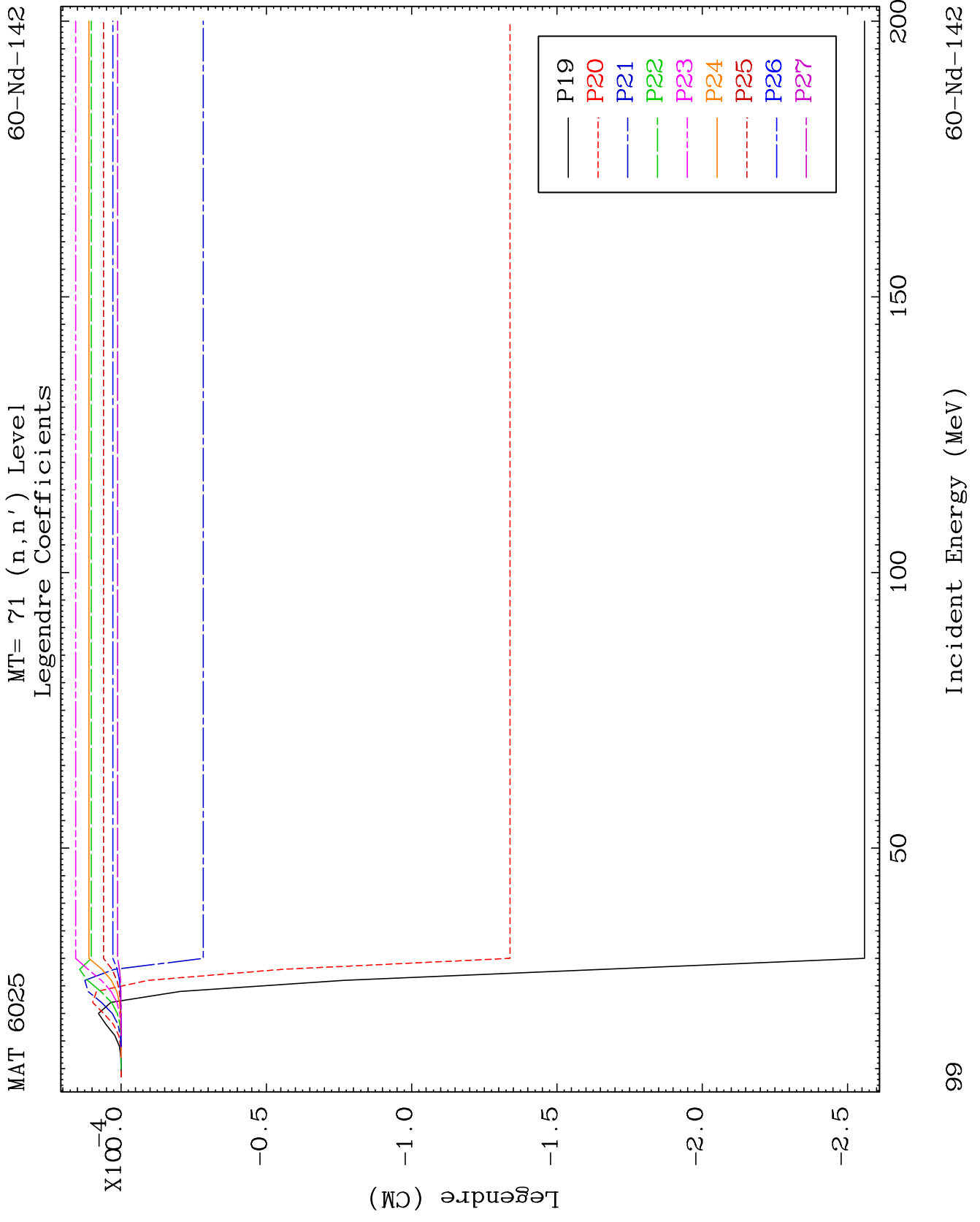
60-Nd-142



98

Incident Energy (MeV)

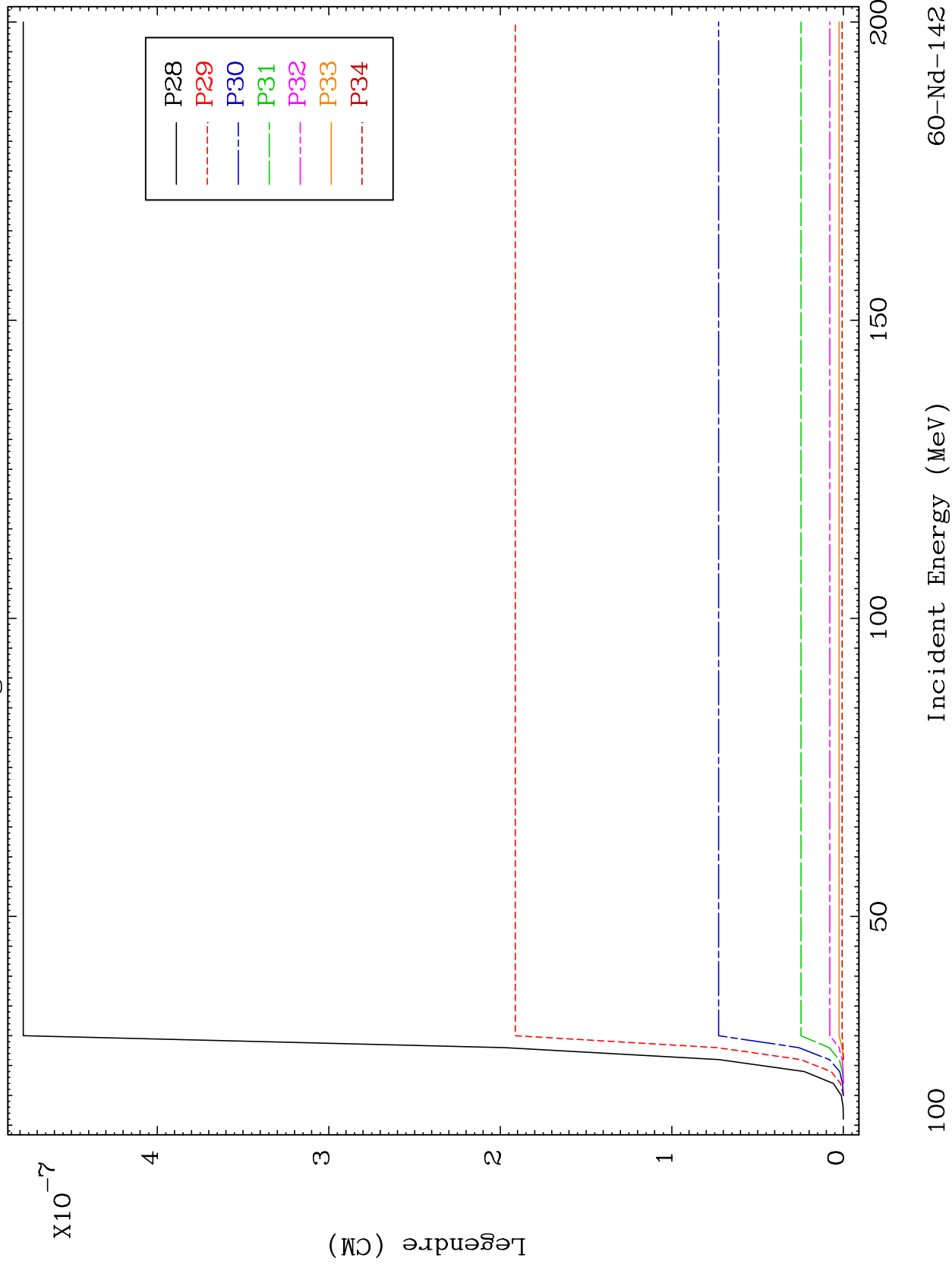
60-Nd-142

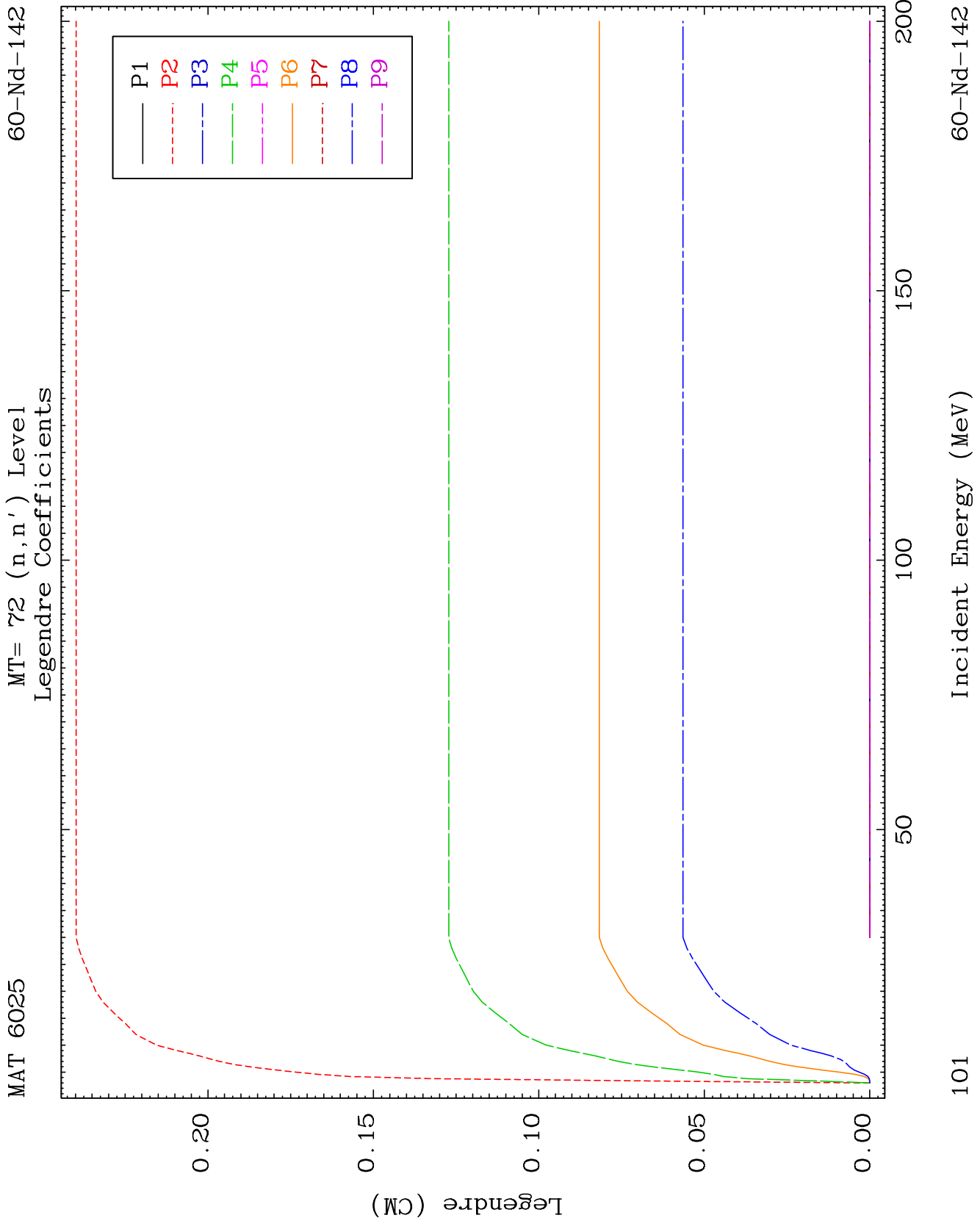


MAT 6025

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

60-Nd-142

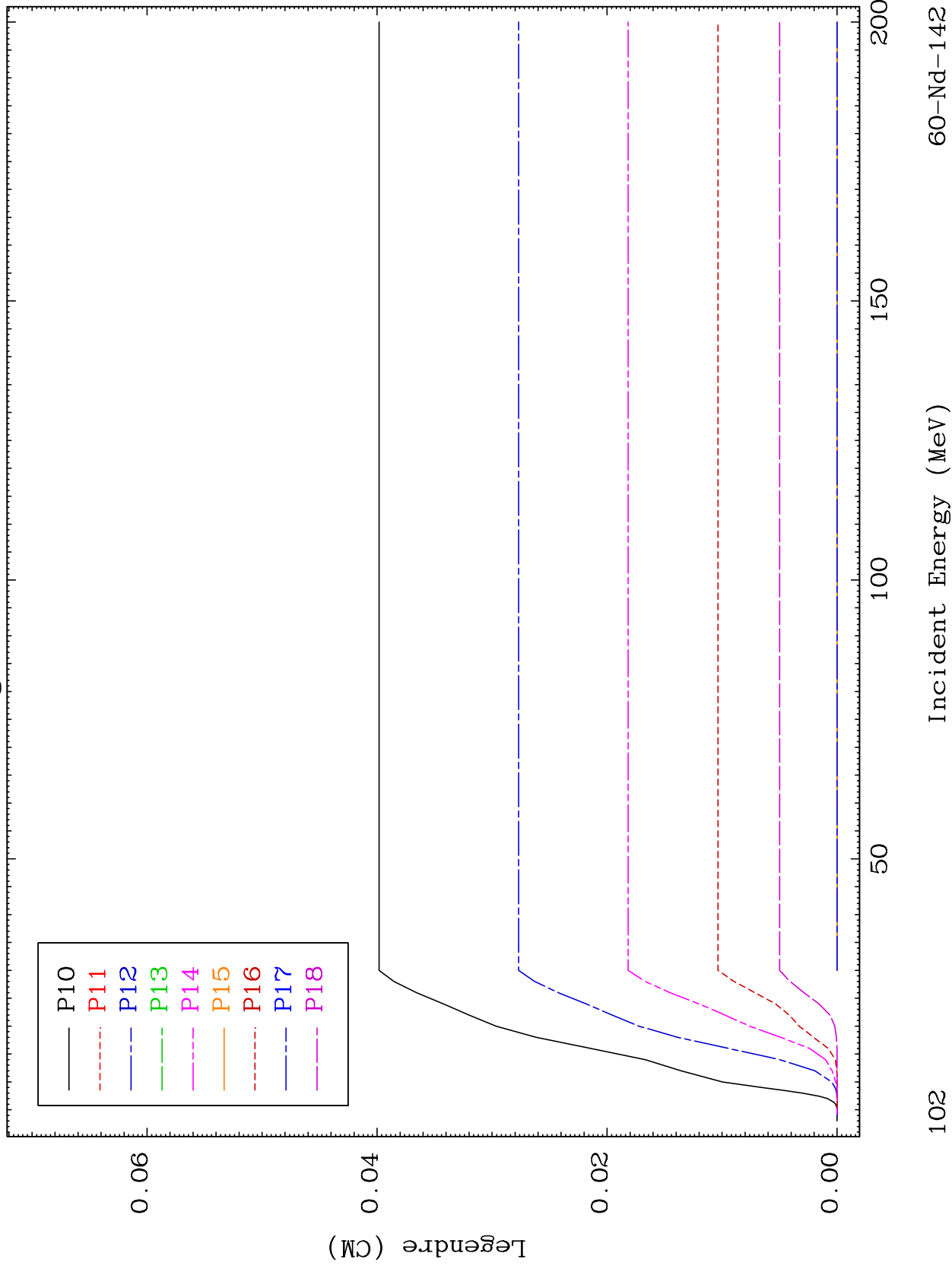




MAT 6025

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

60-Nd-142



102

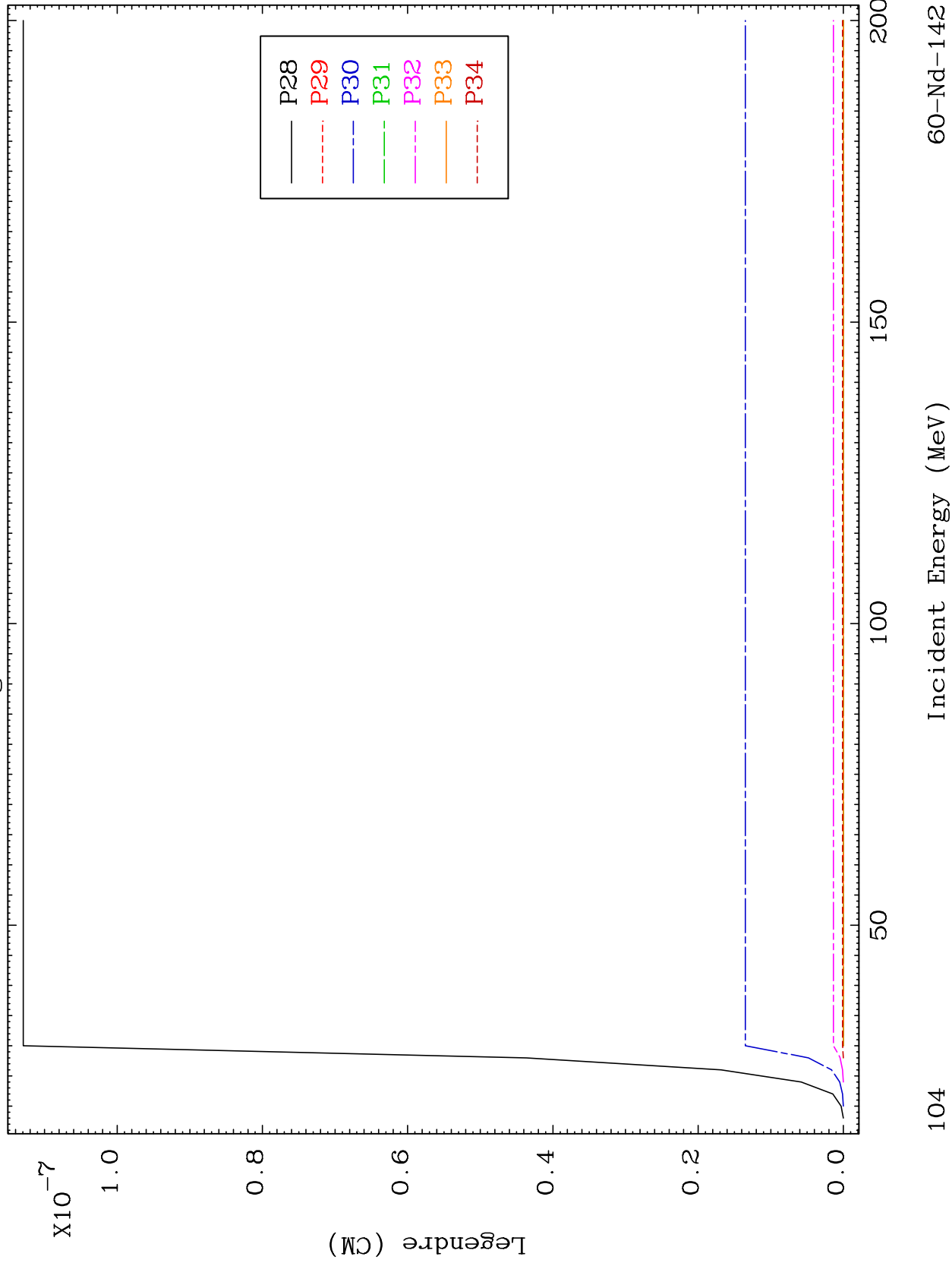
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

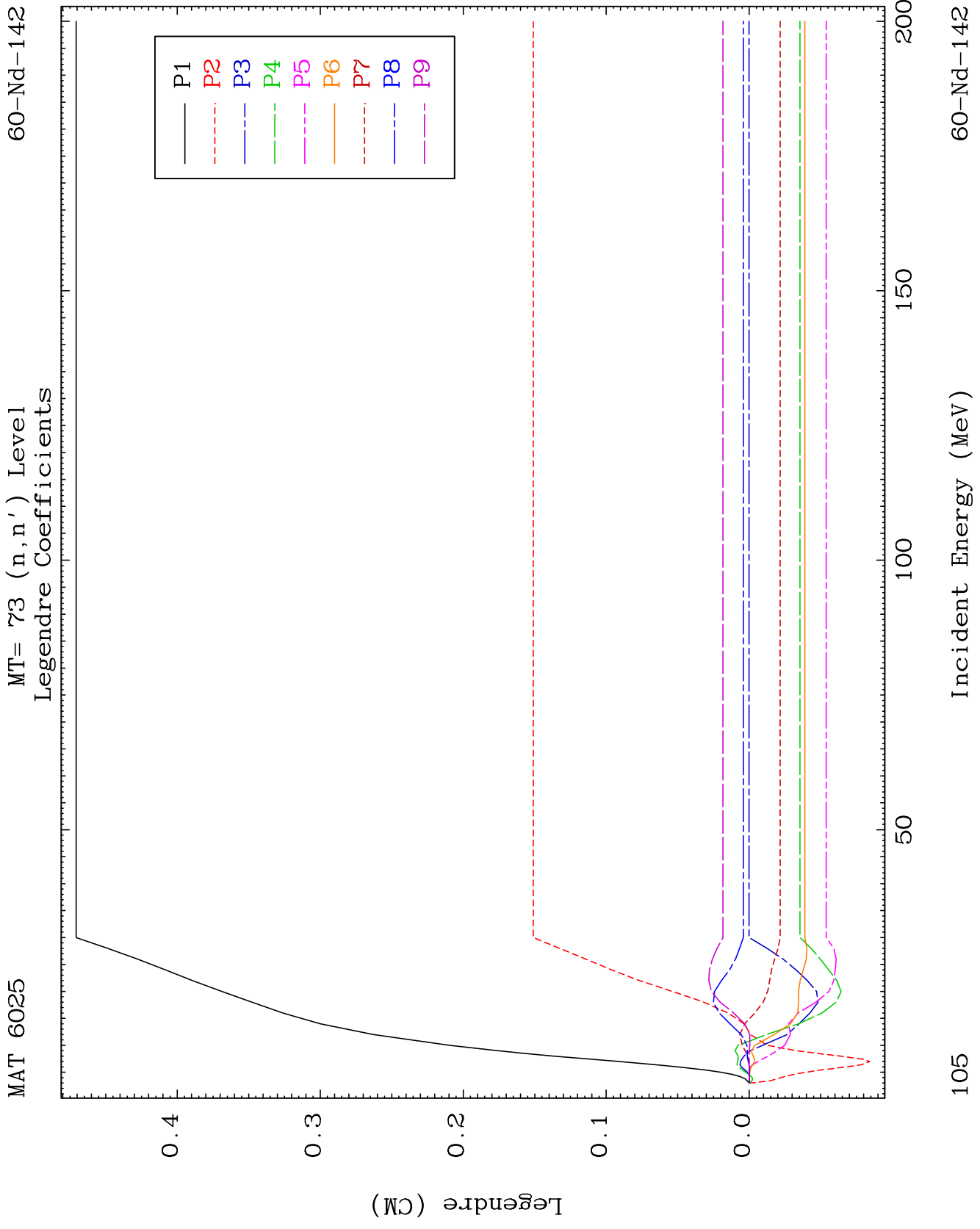
60-Nd-142



104

Incident Energy (MeV)

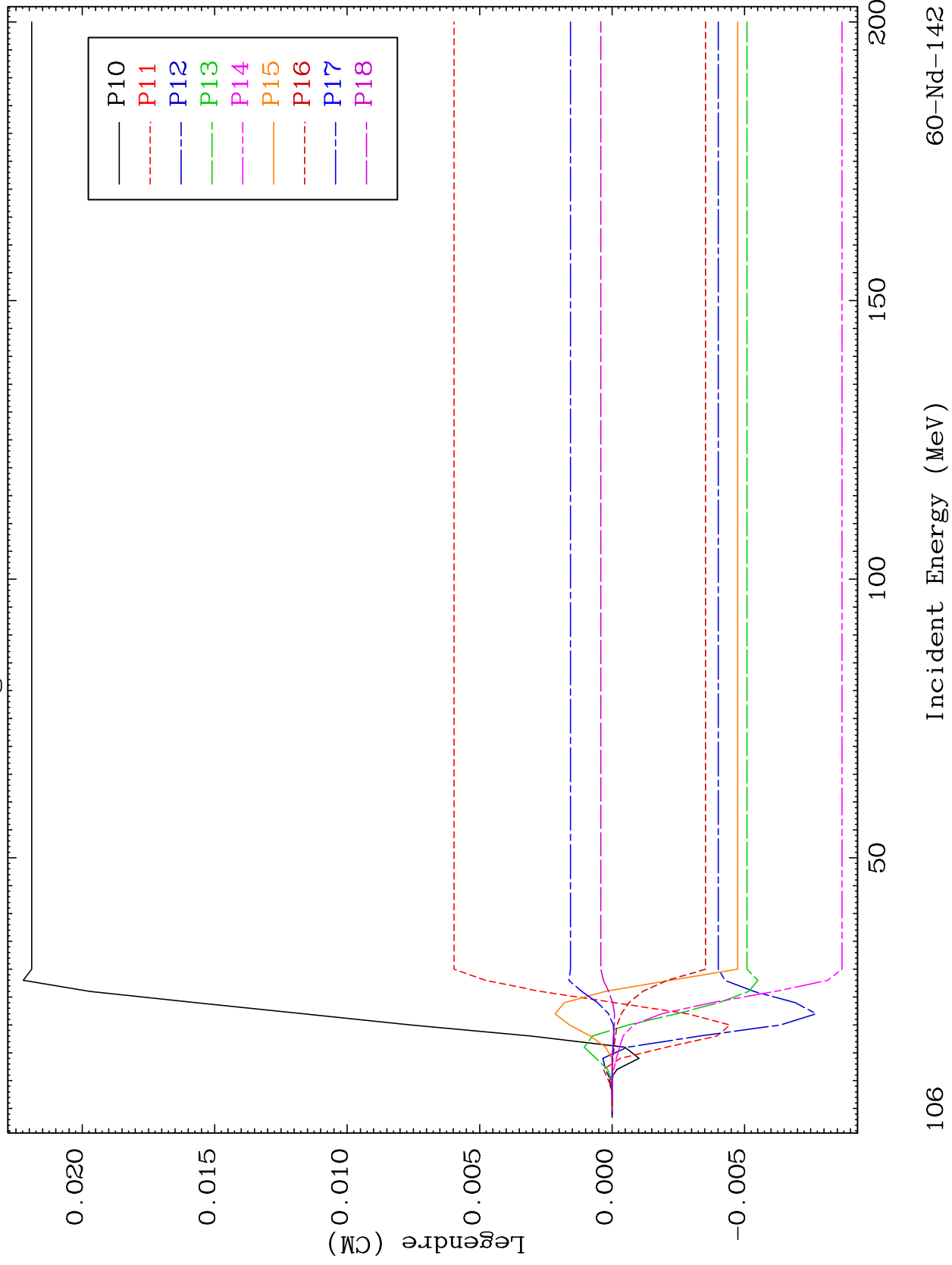
60-Nd-142



MAT 6025

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

60-Nd-142



106

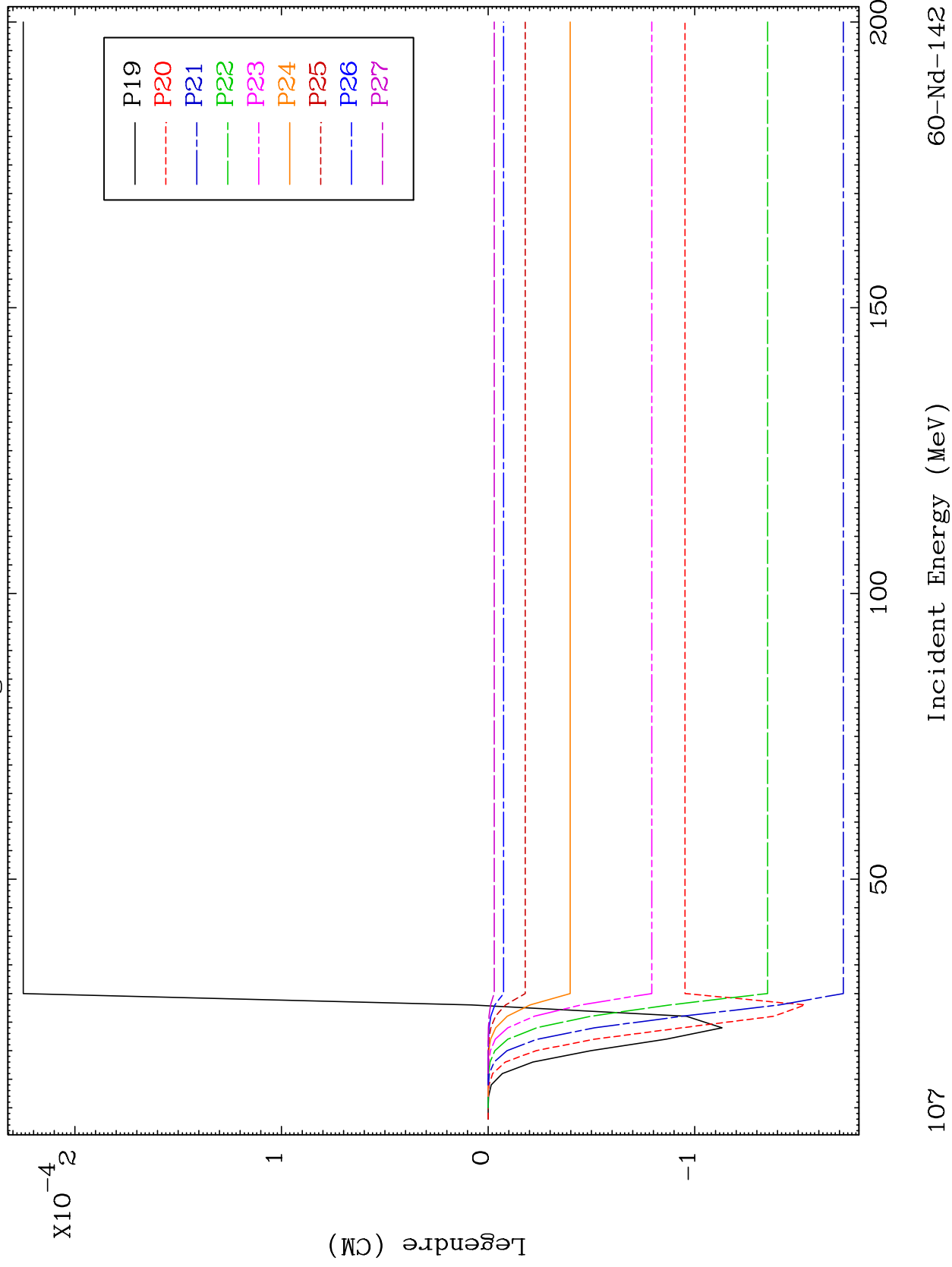
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

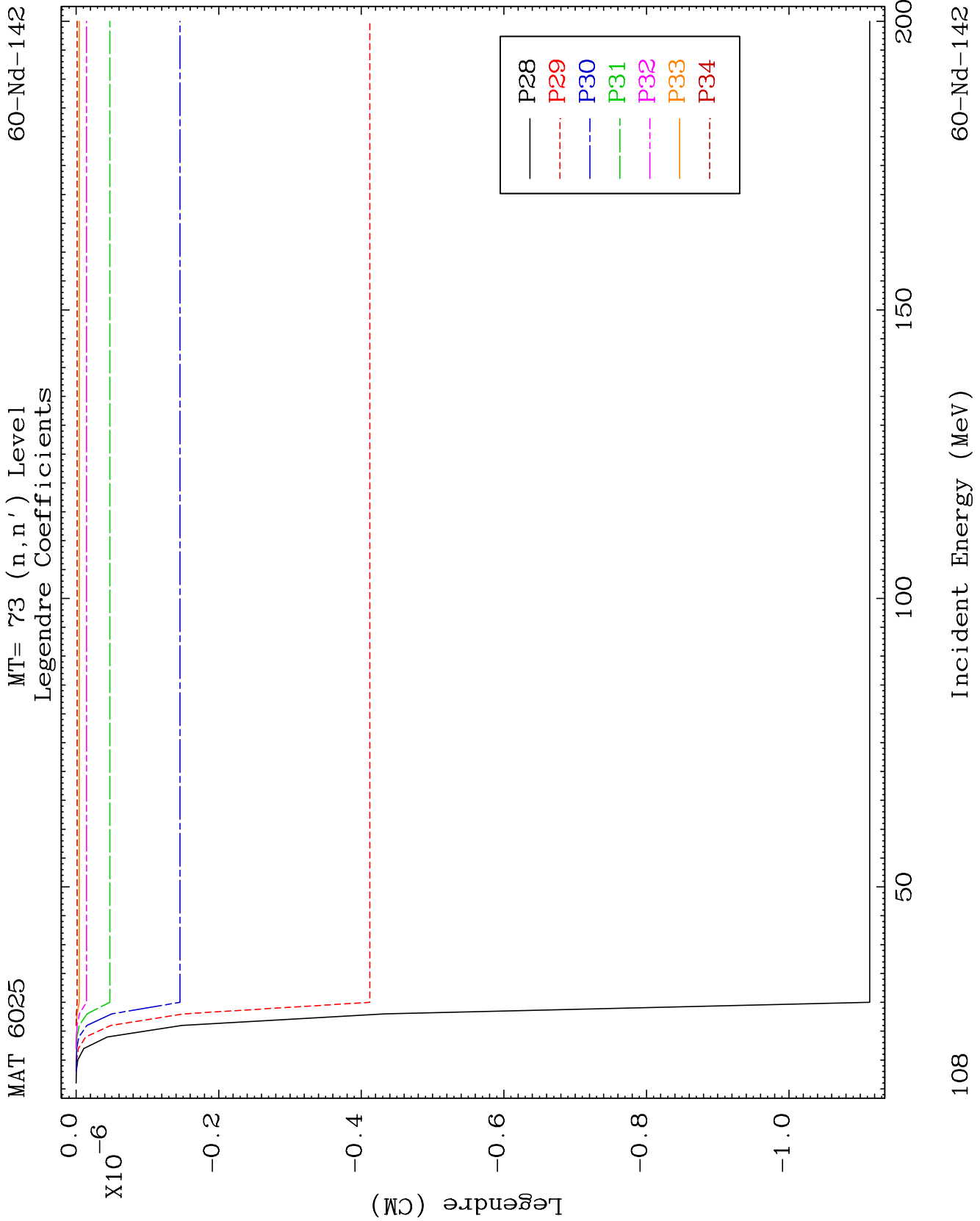
60-Nd-142

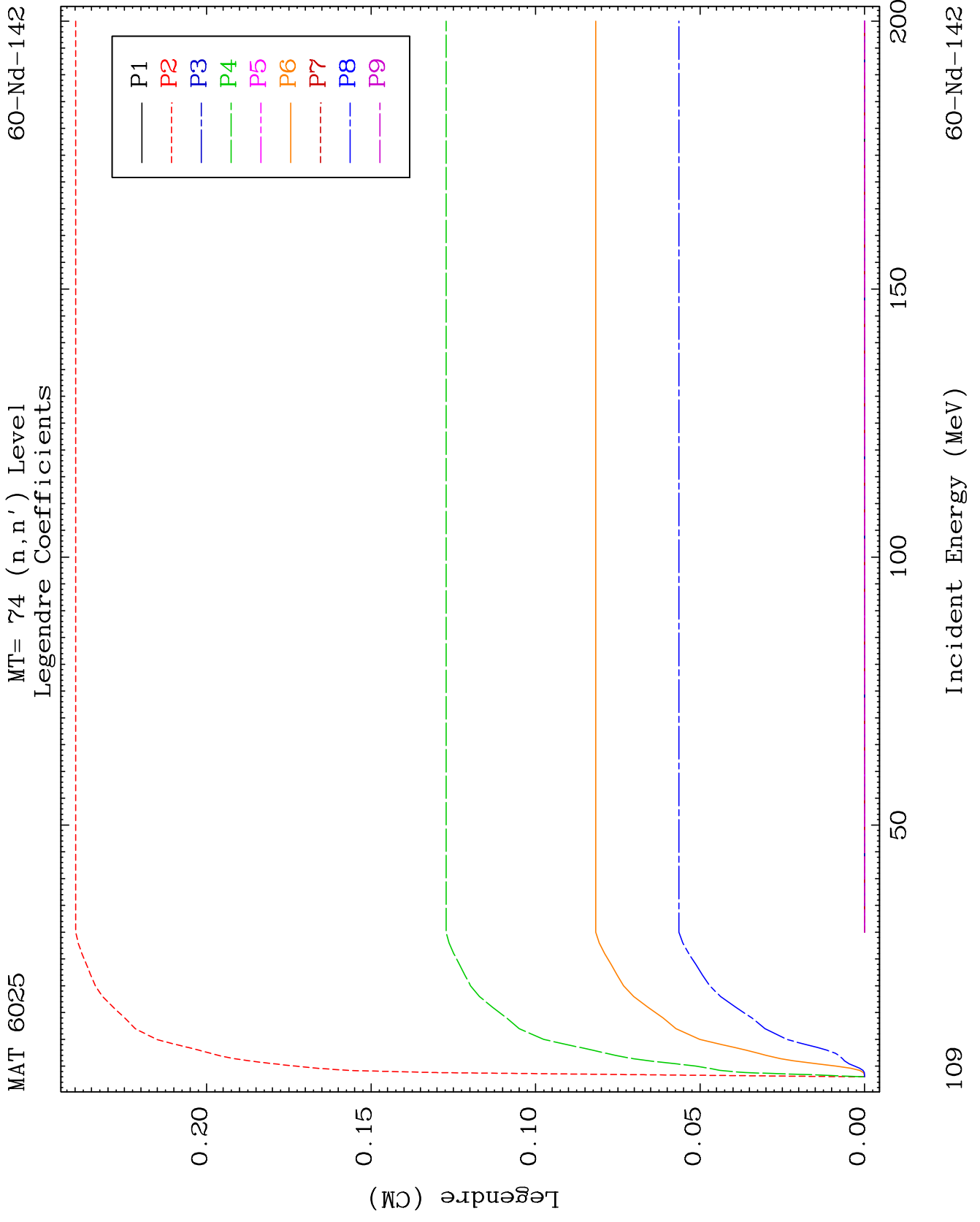


107

Incident Energy (MeV)

60-Nd-142

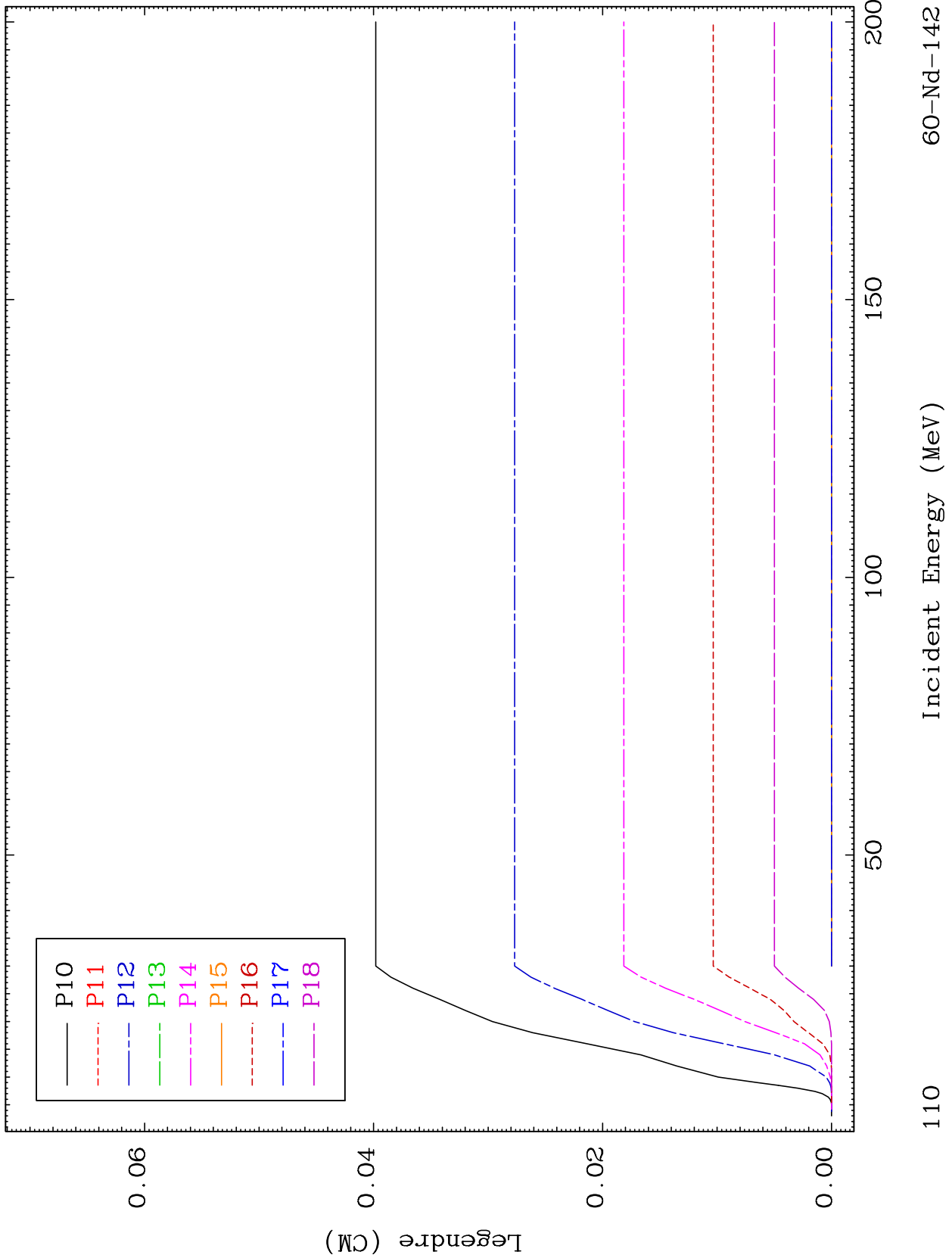




MAT 6025

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

60-Nd-142



60-Nd-142

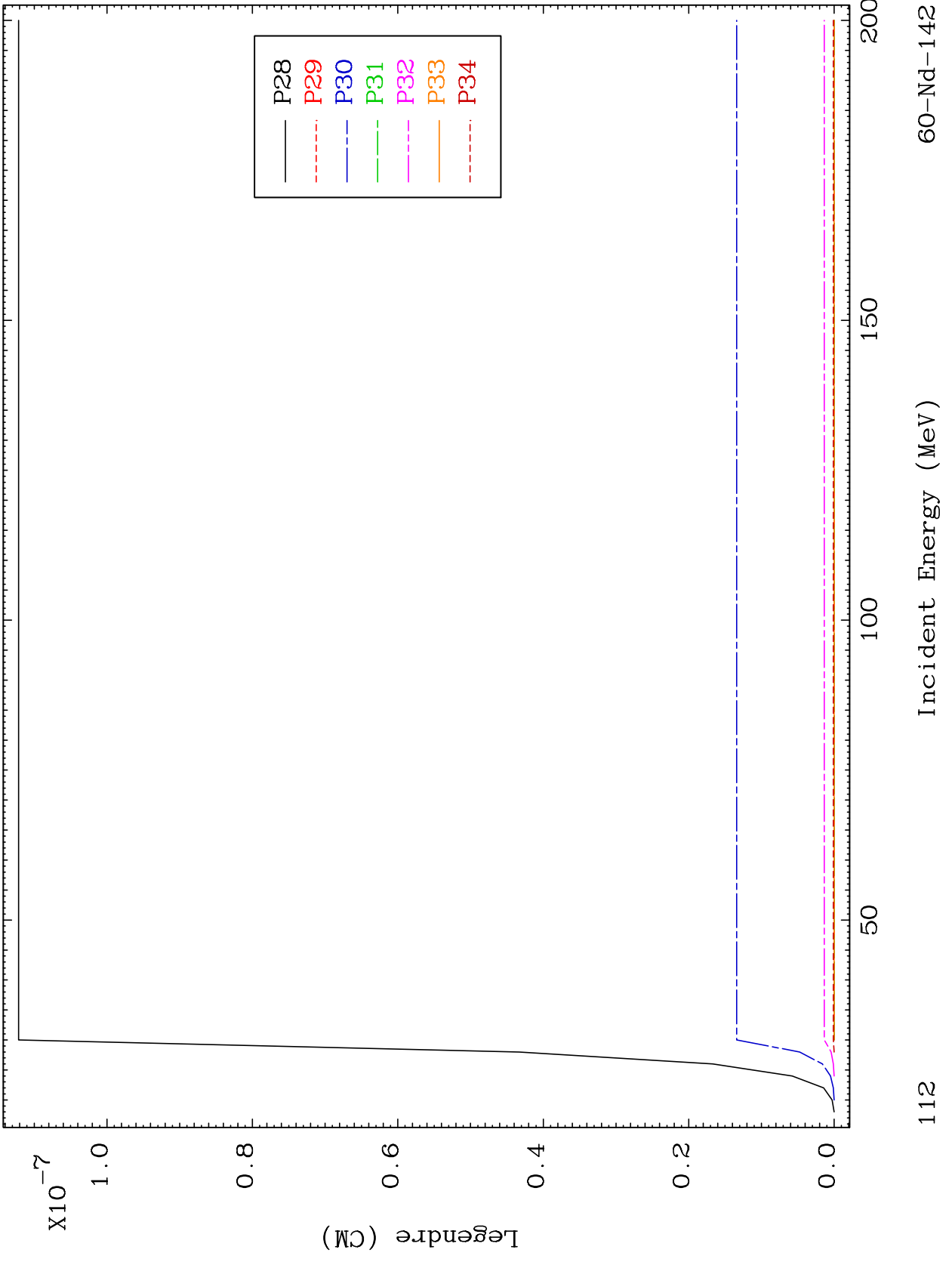
Incident Energy (MeV)

110

MAT 6025

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

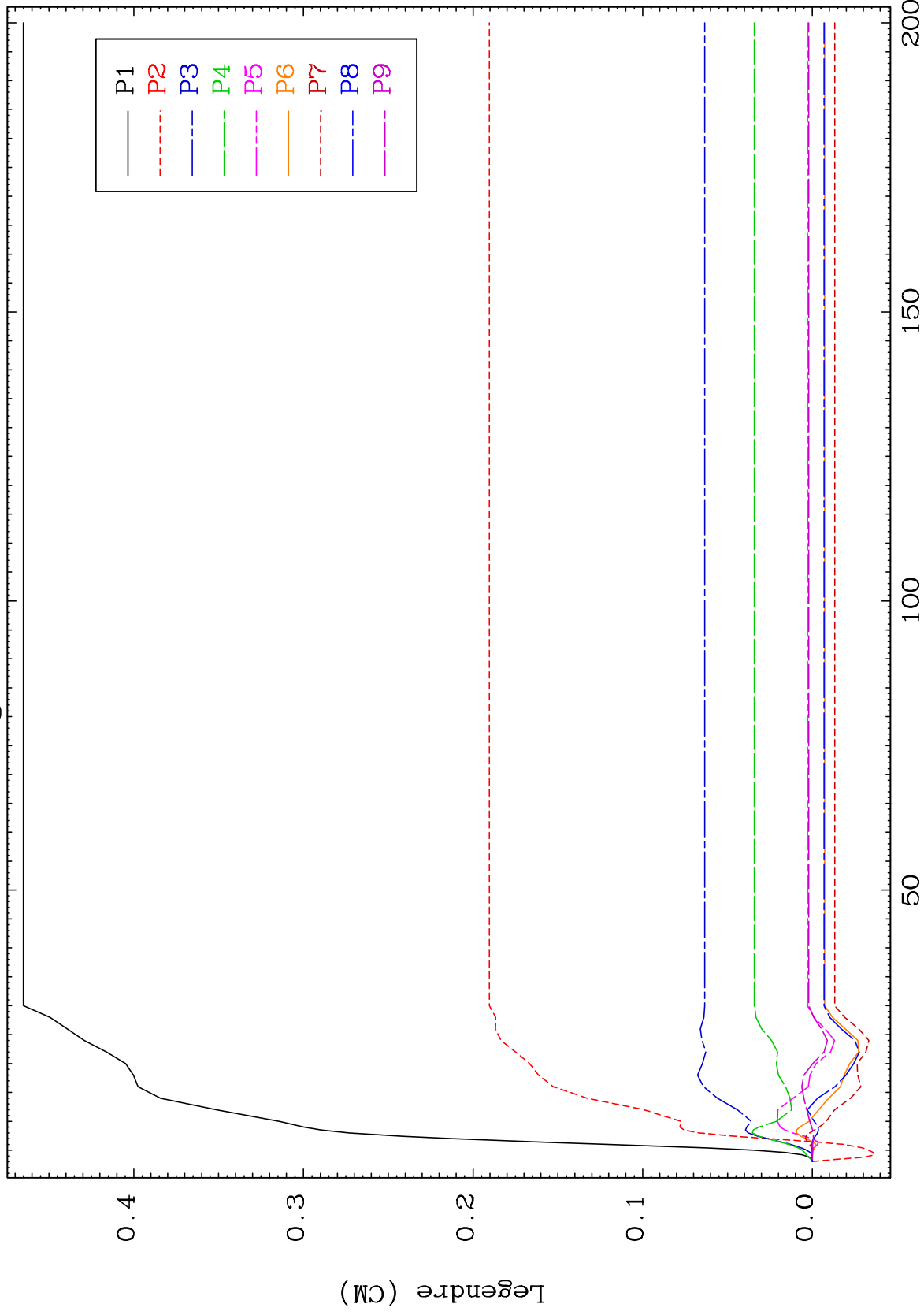
60-Nd-142



MAT 6025

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

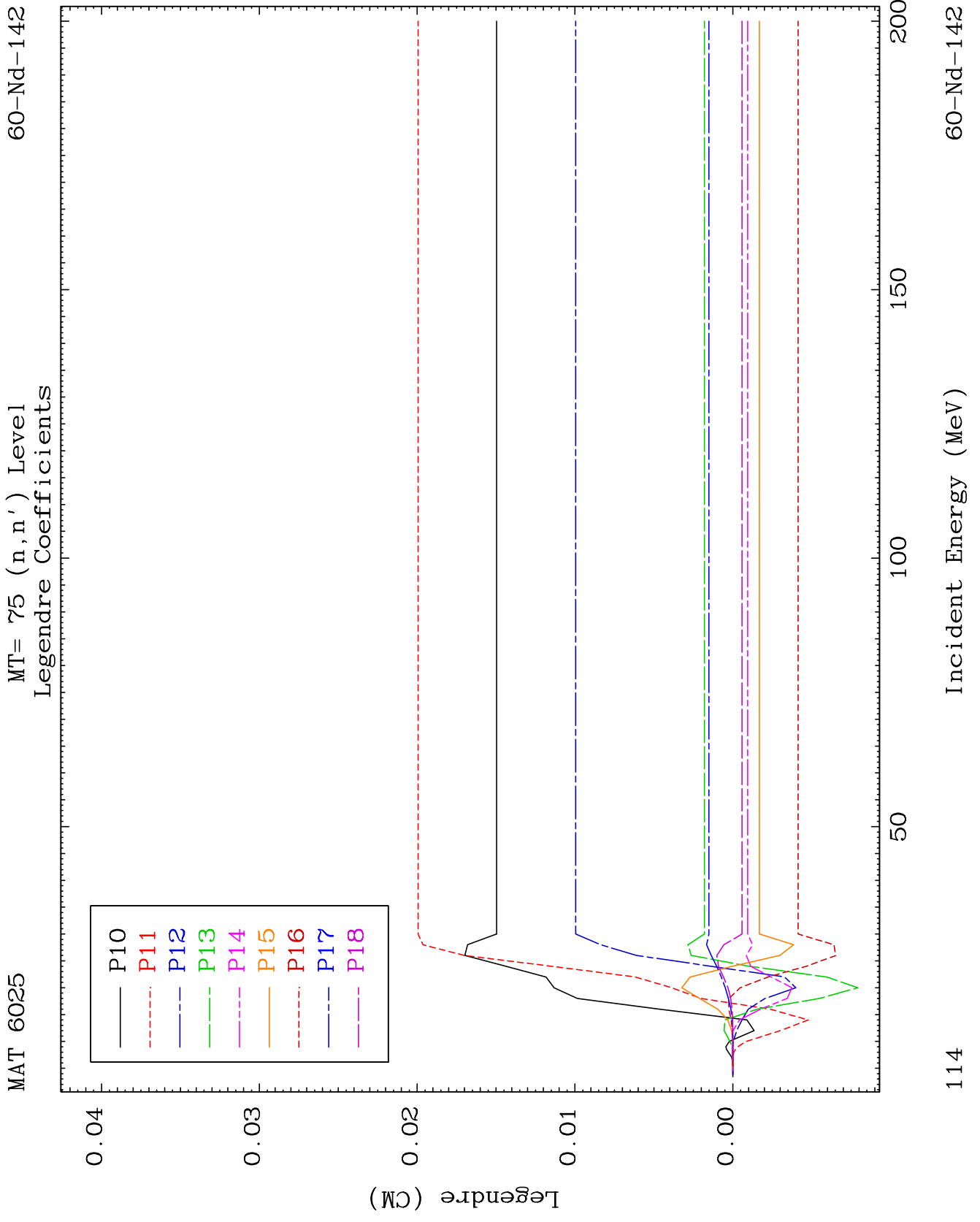
60-Nd-142



113

Incident Energy (MeV)

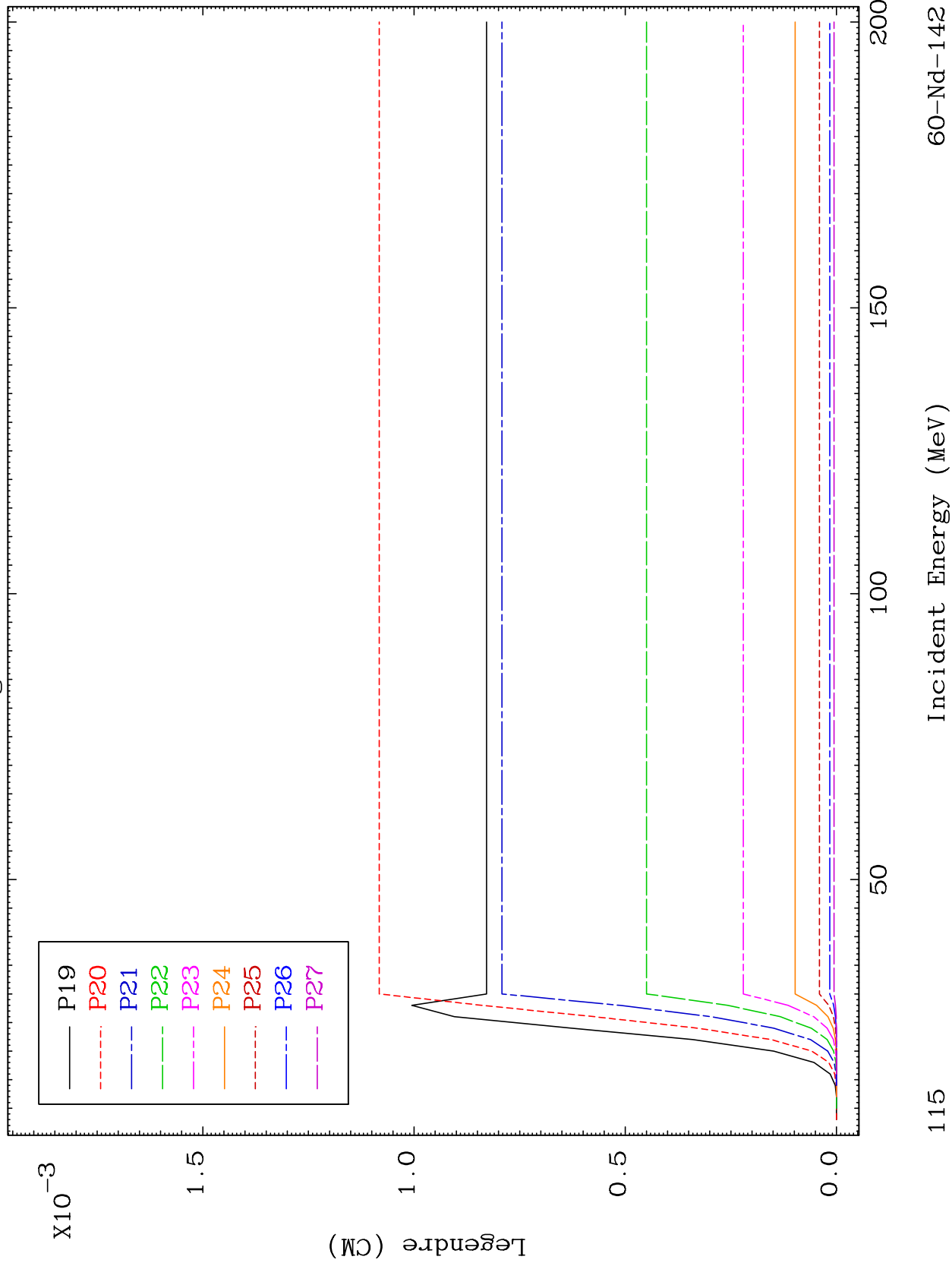
60-Nd-142



MAT 6025

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

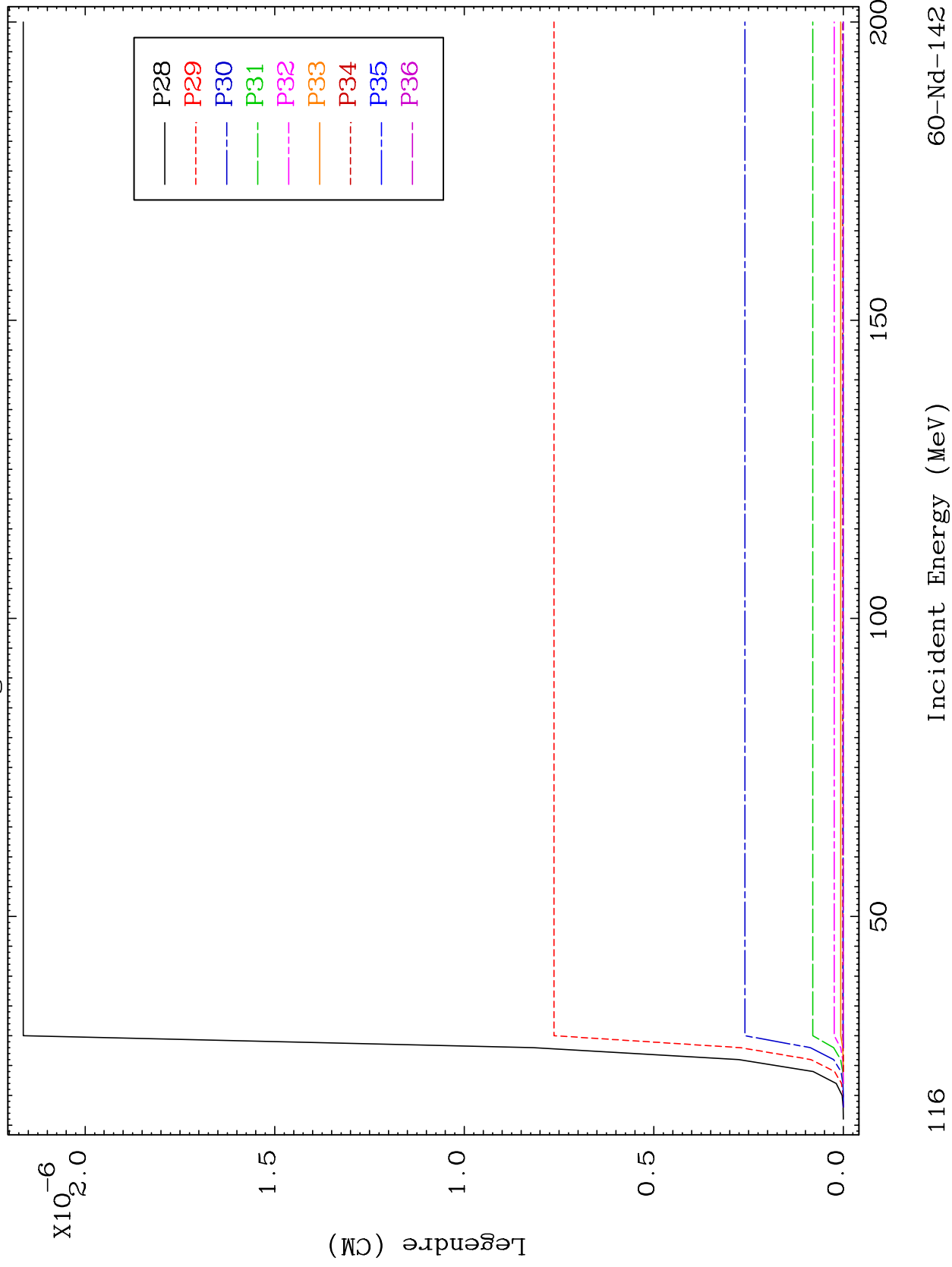
60-Nd-142



MAT 6025

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

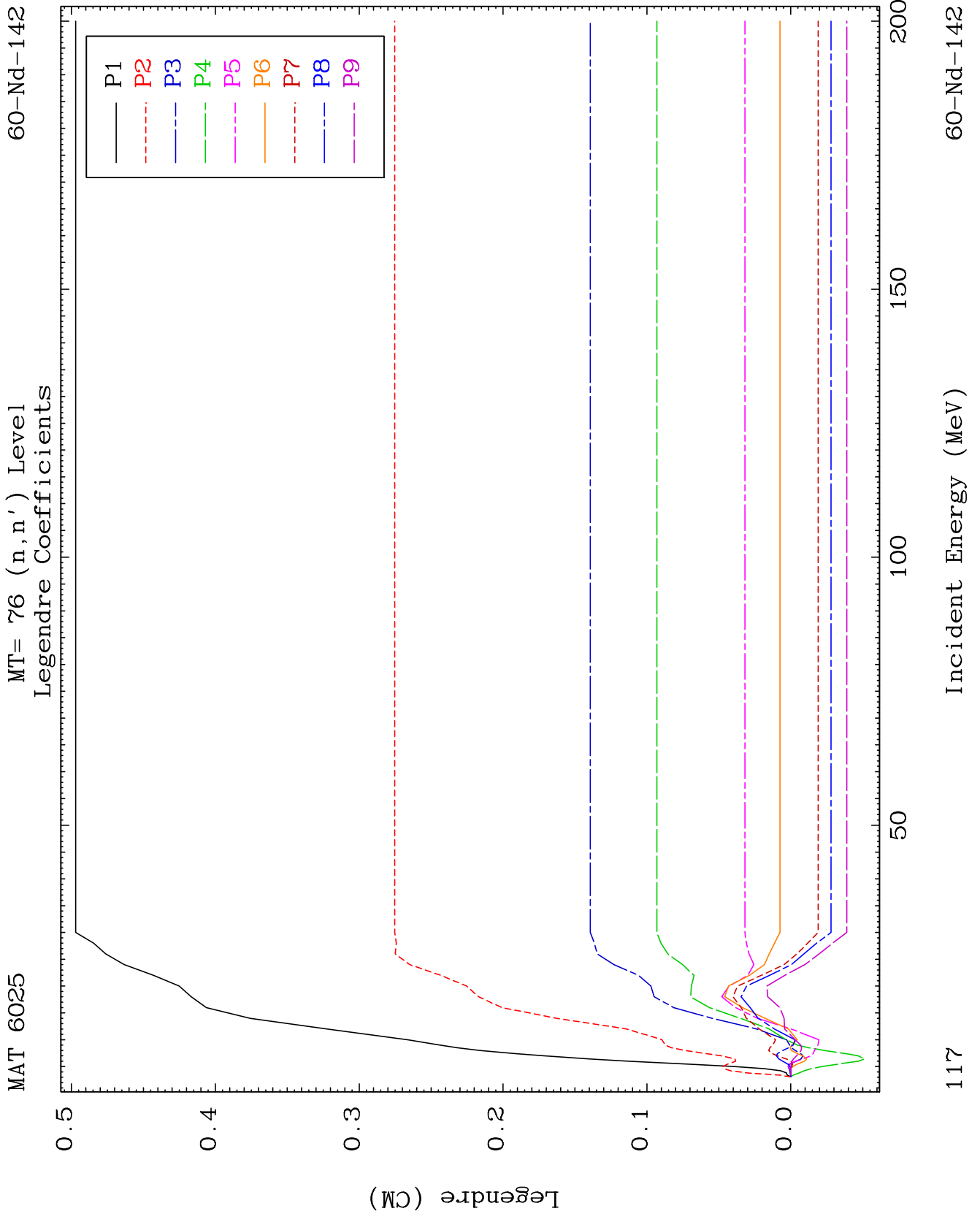
60-Nd-142

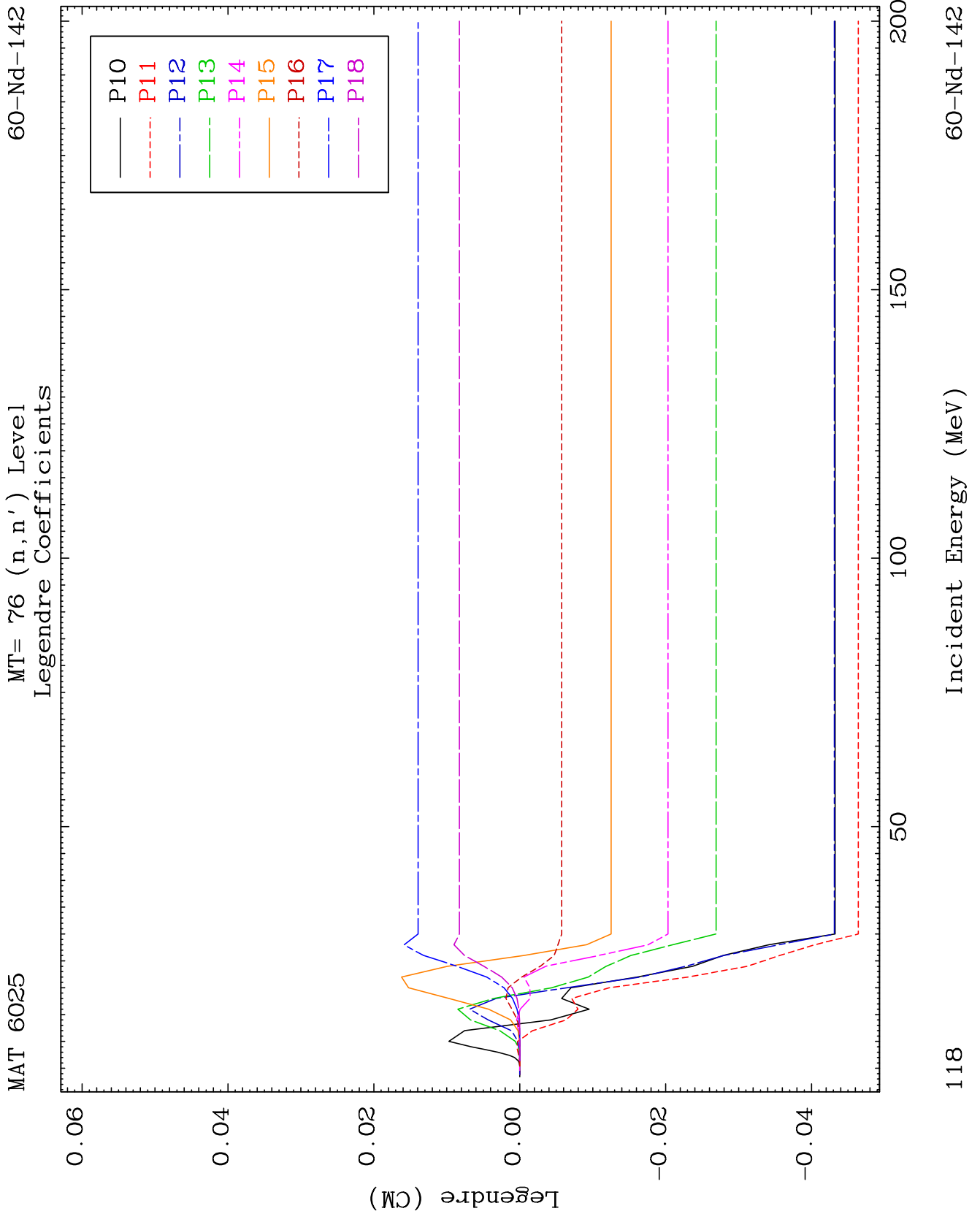


116

Incident Energy (MeV)

60-Nd-142

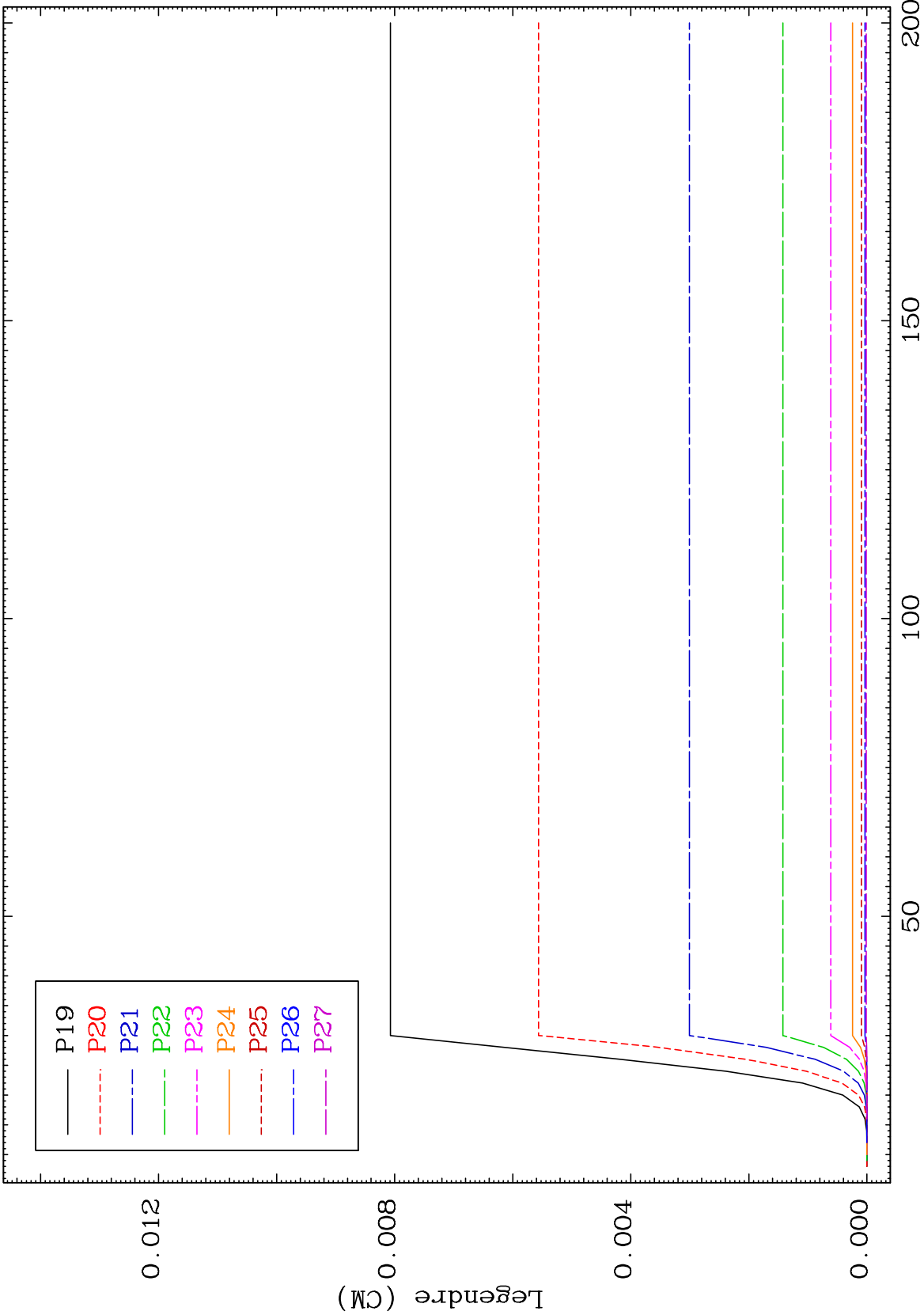




MAT 6025

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

60-Nd-142



119

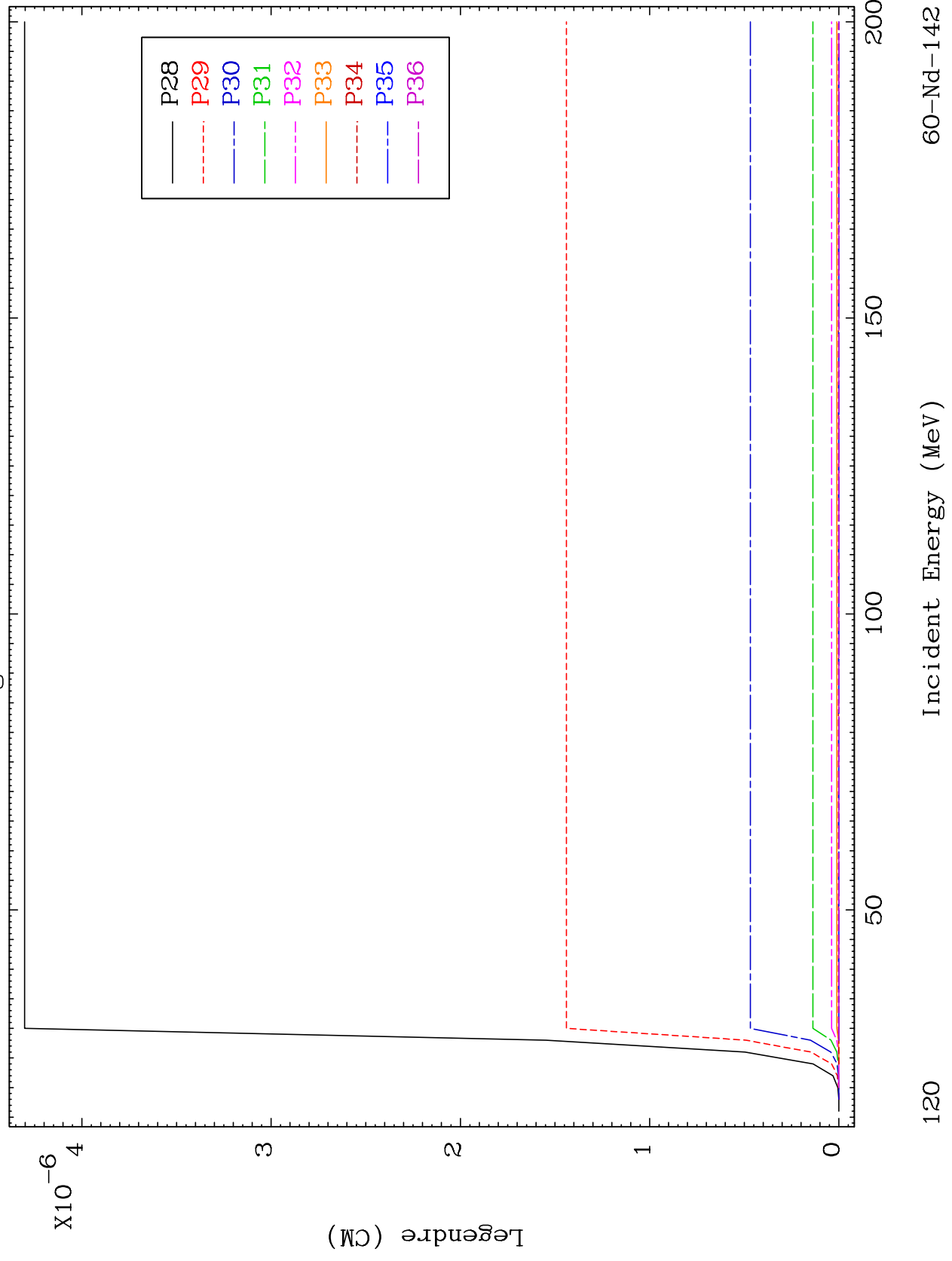
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

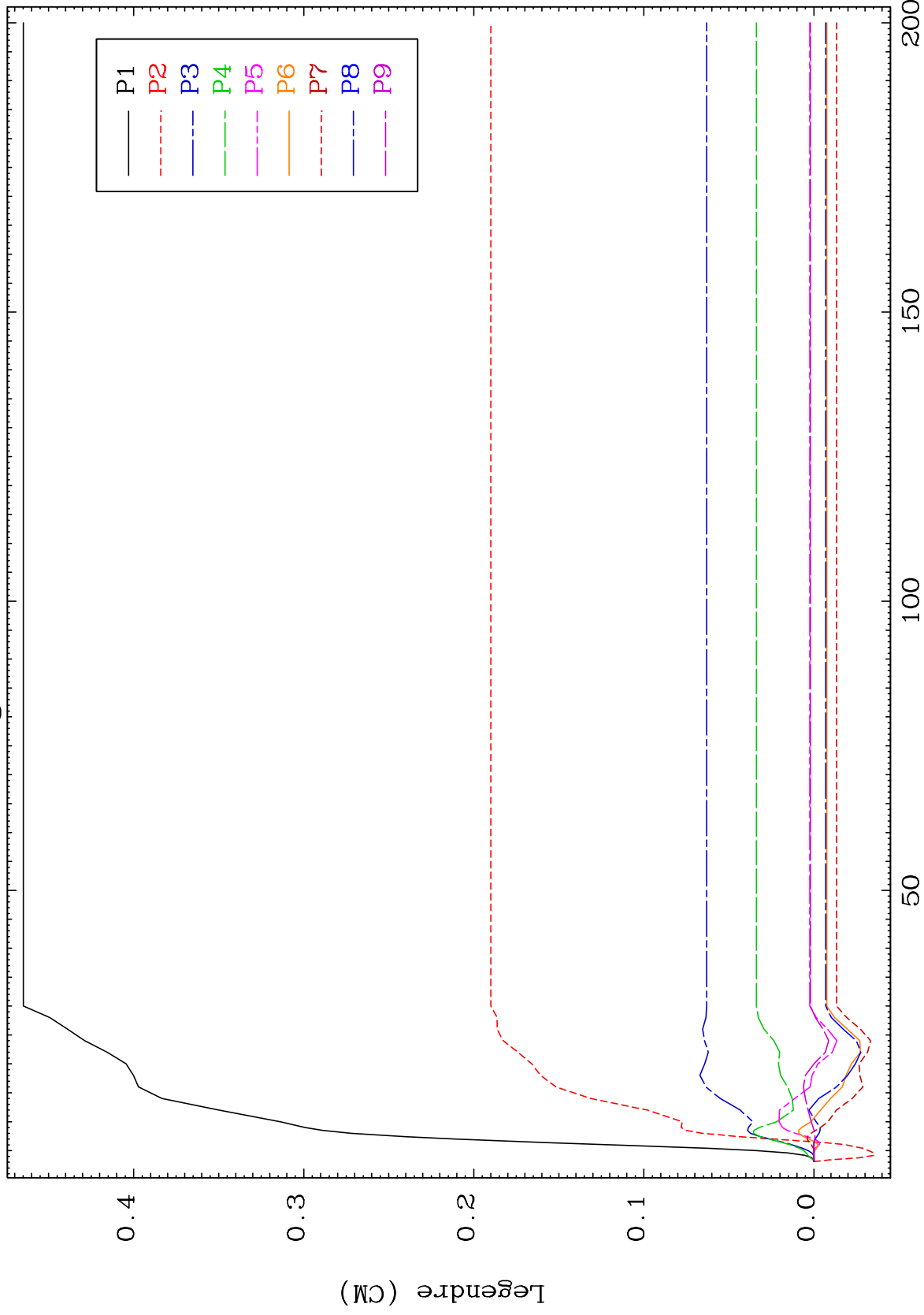
60-Nd-142



MAT 6025

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

60-Nd-142



121

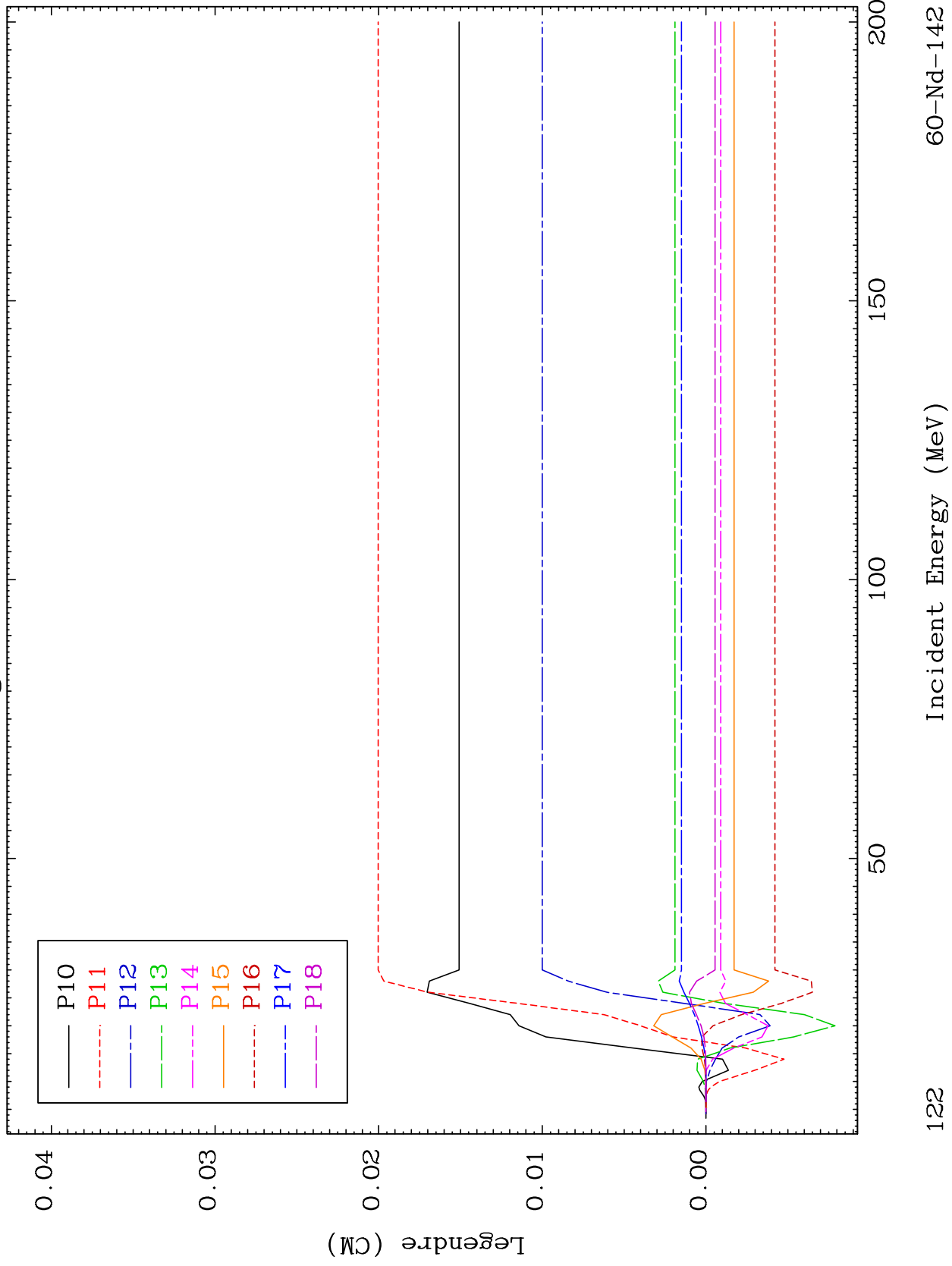
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

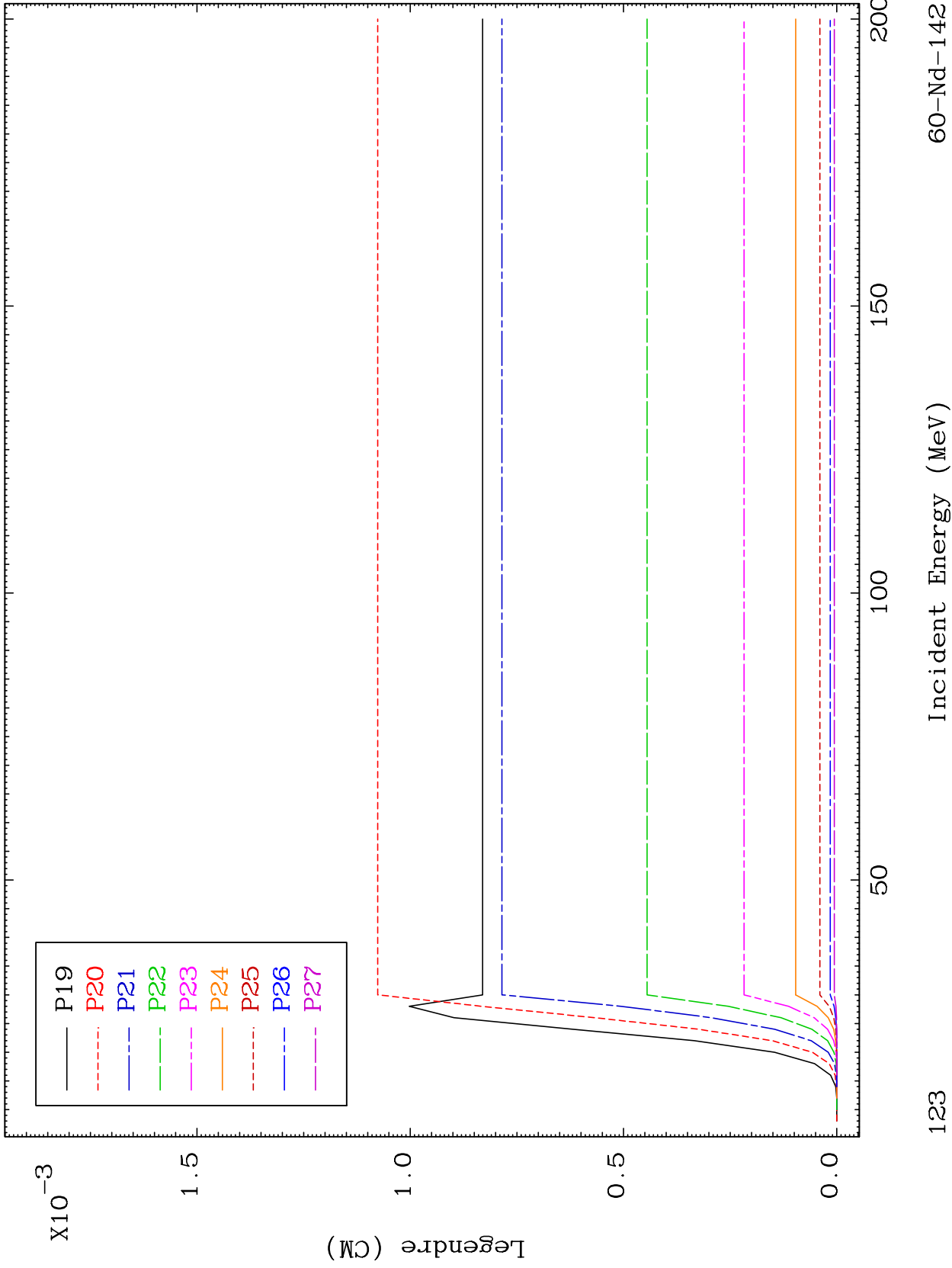
60-Nd-142



MAT 6025

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

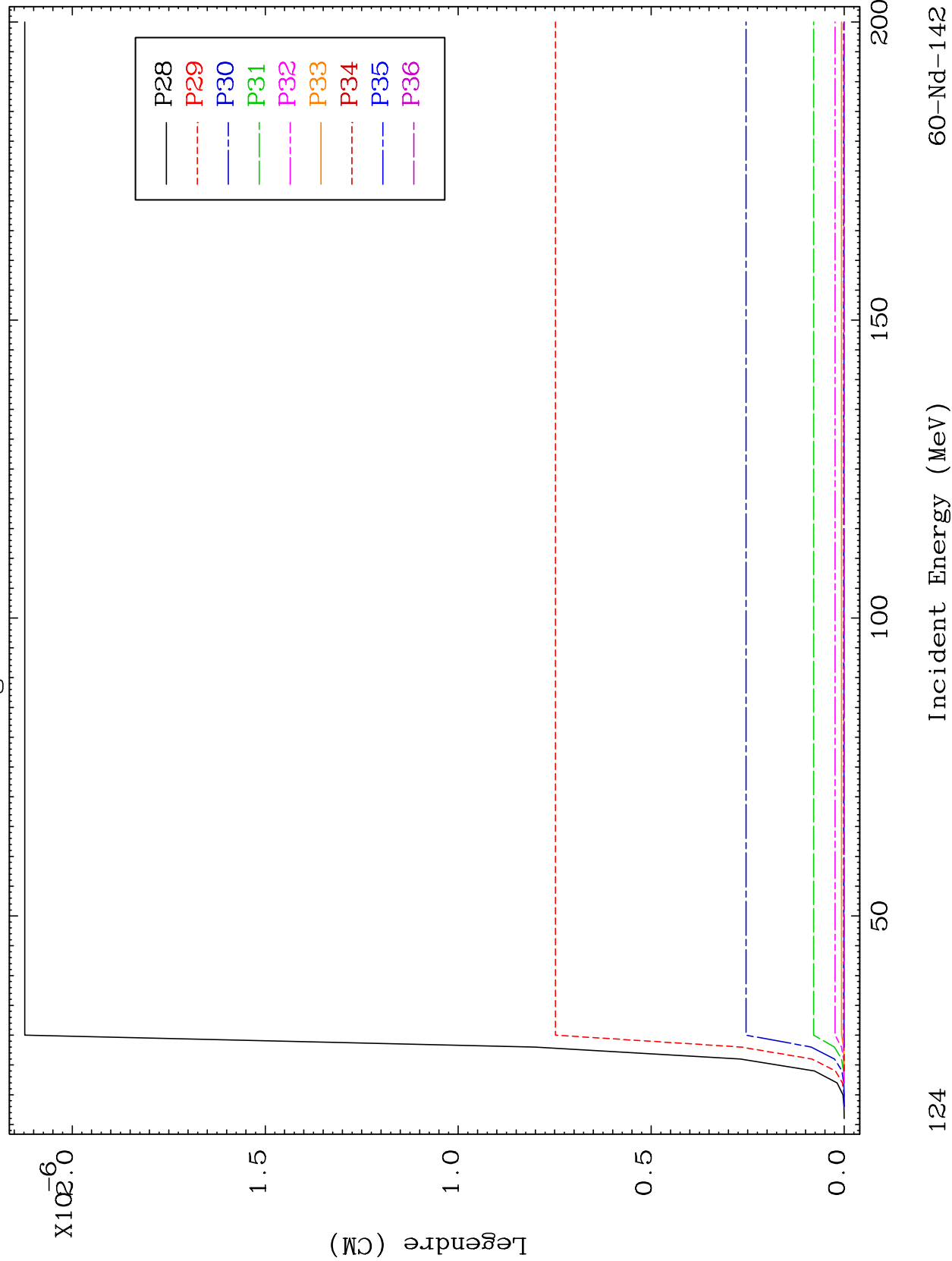
60-Nd-142



MAT 6025

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

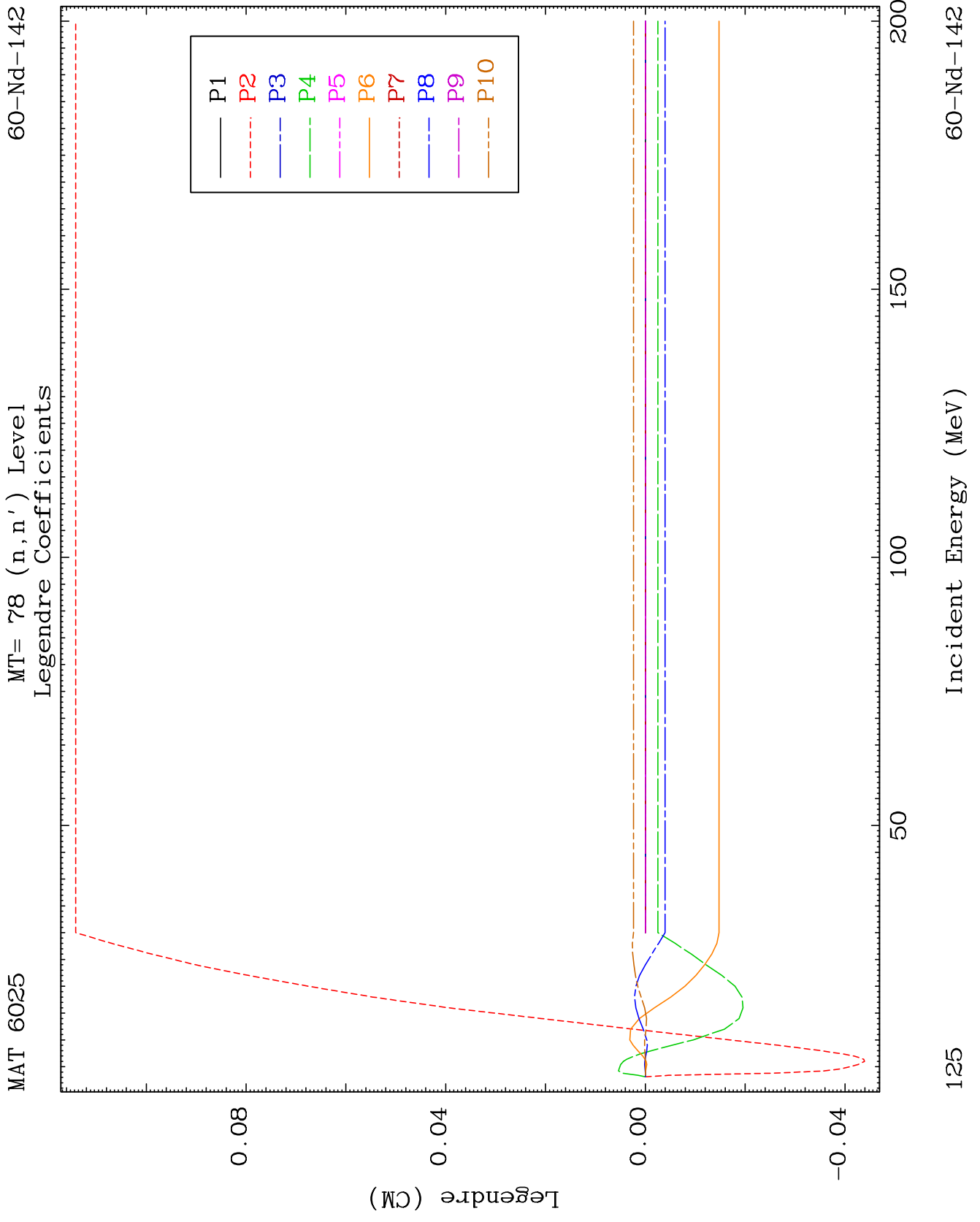
60-Nd-142

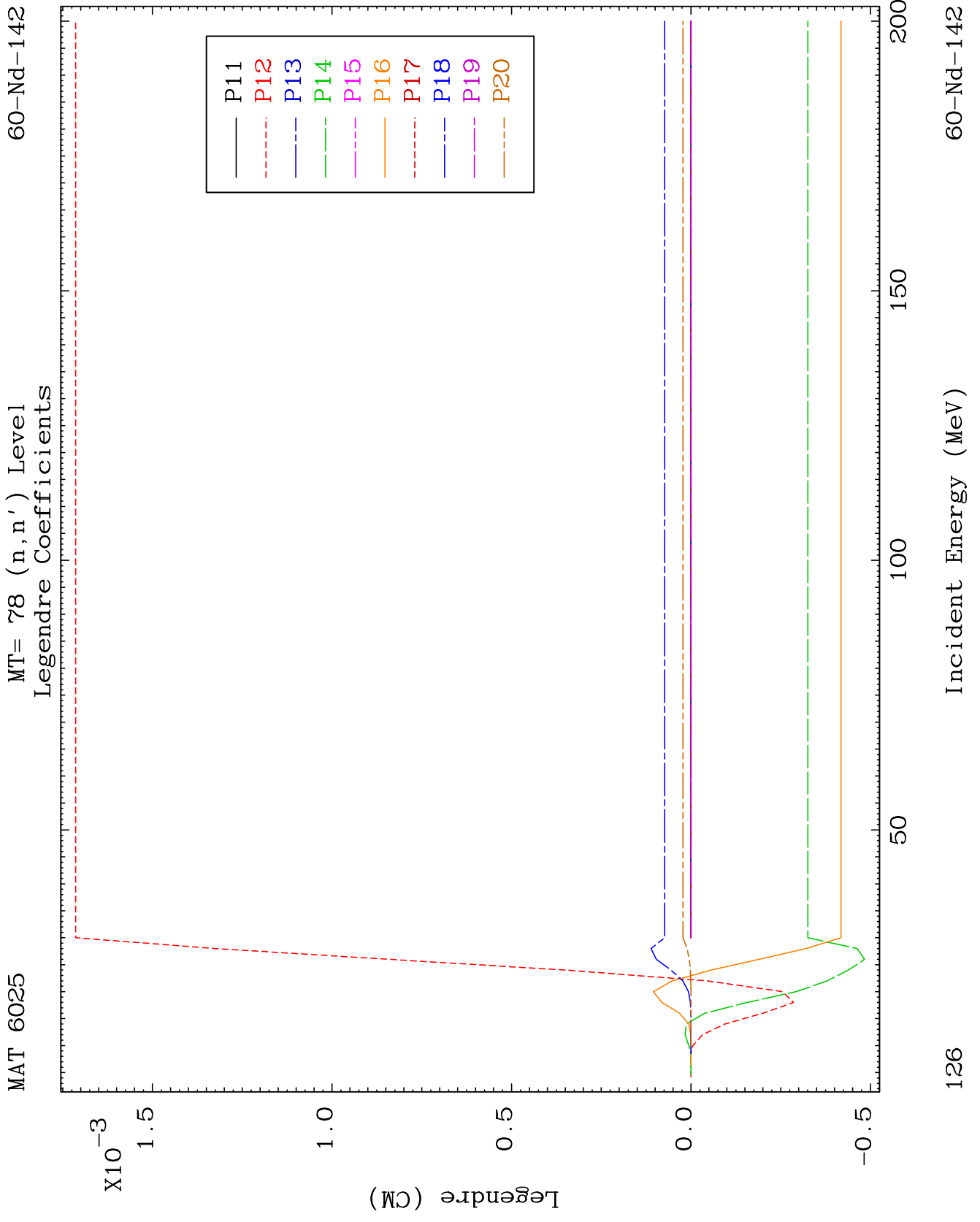


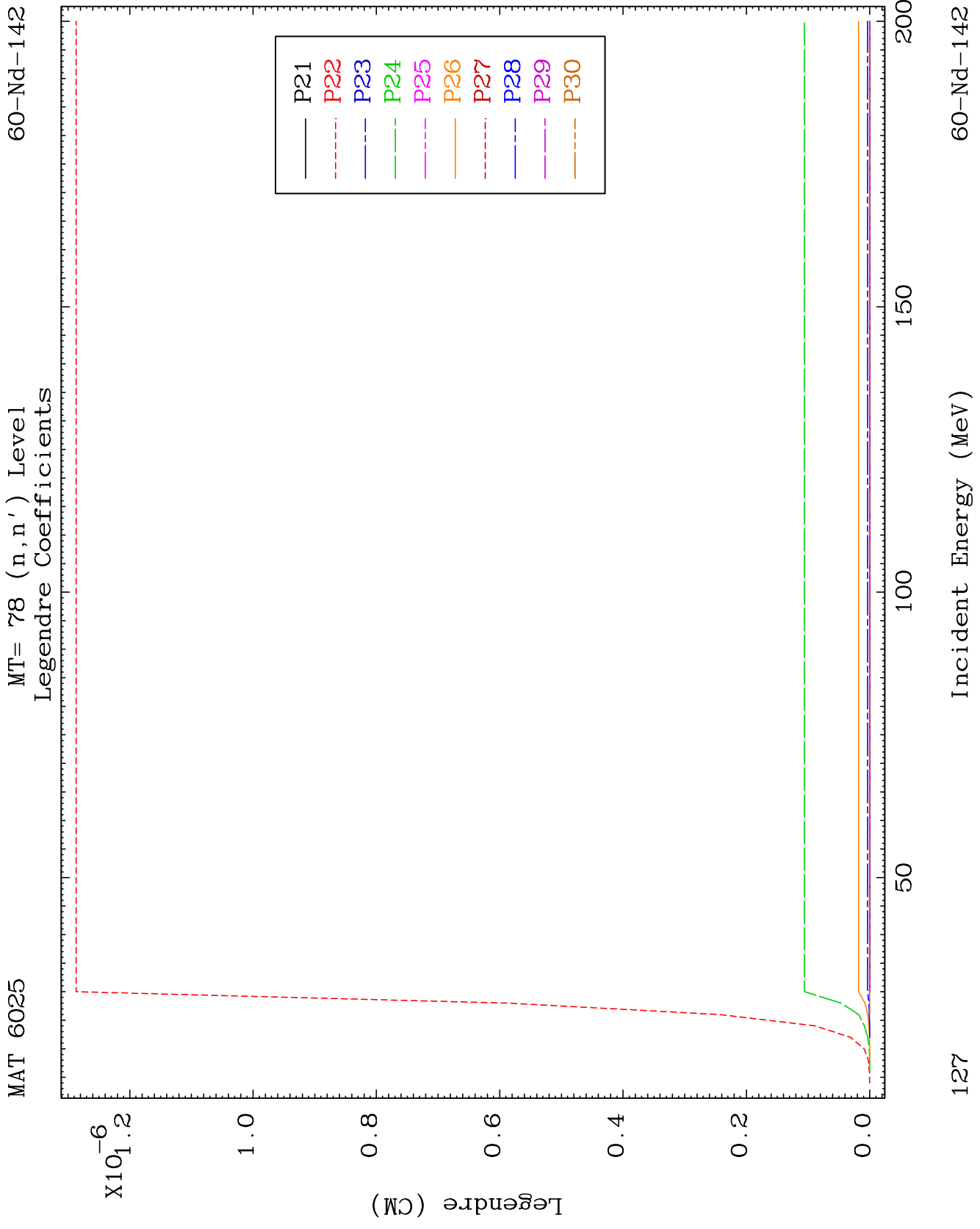
124

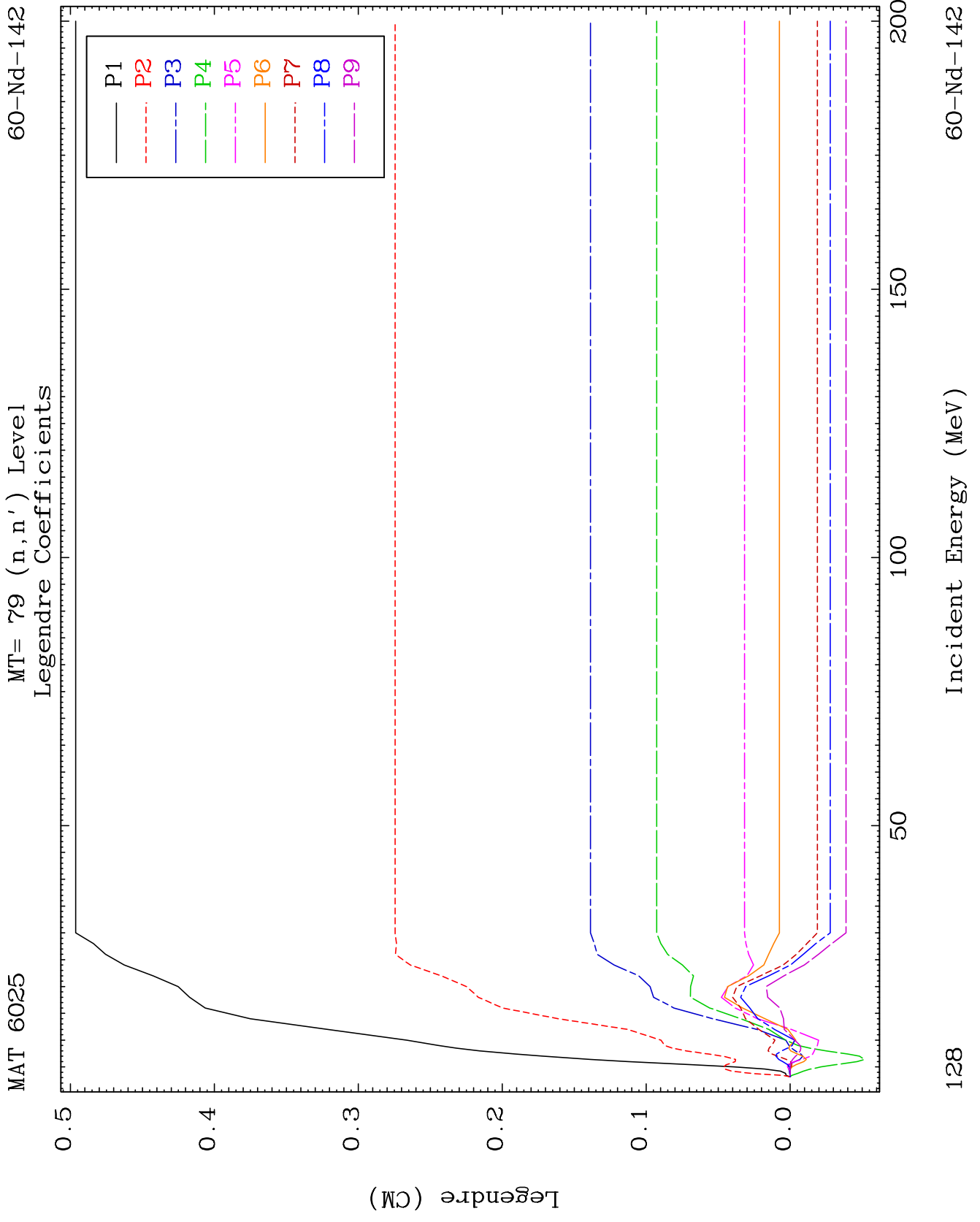
Incident Energy (MeV)

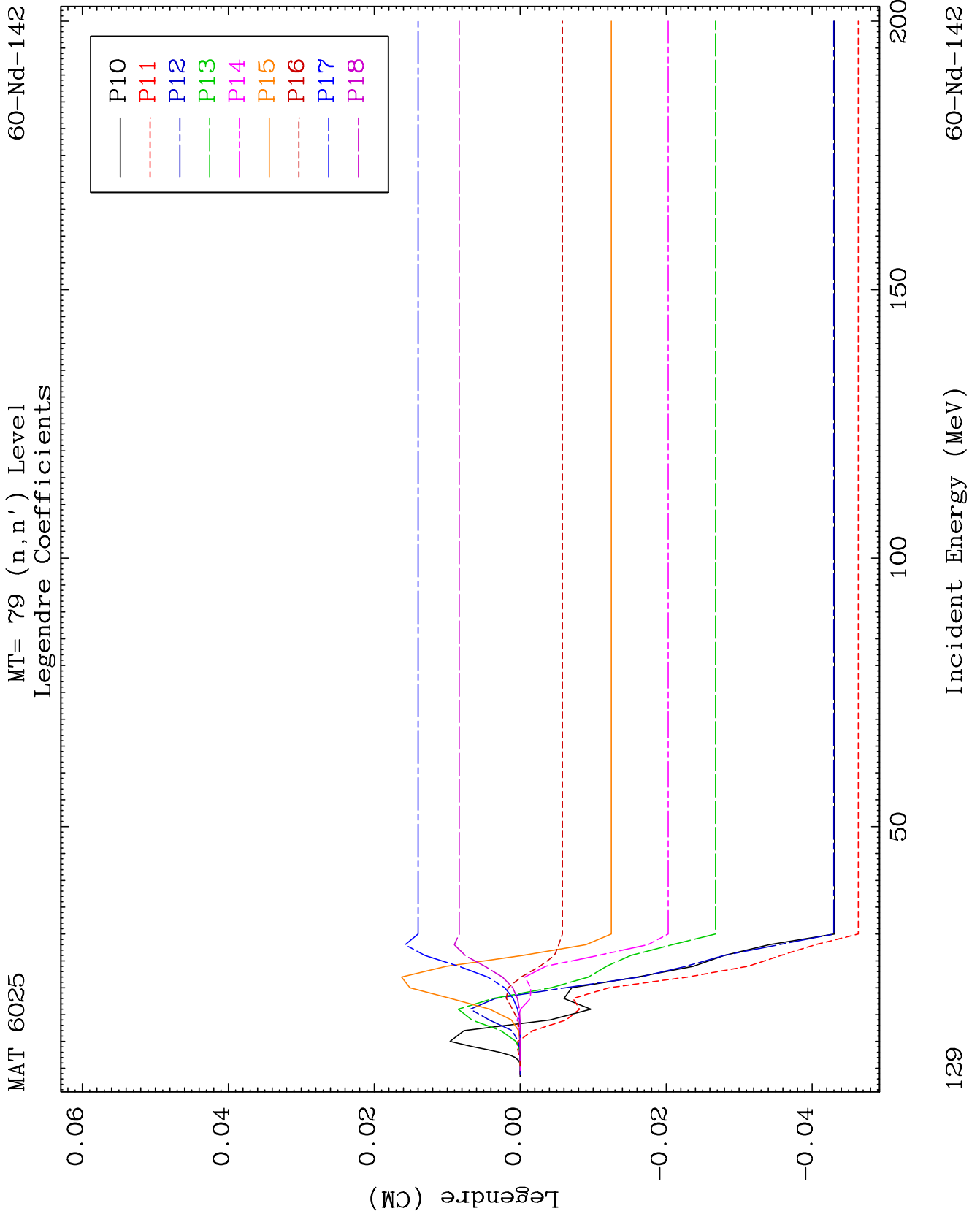
60-Nd-142







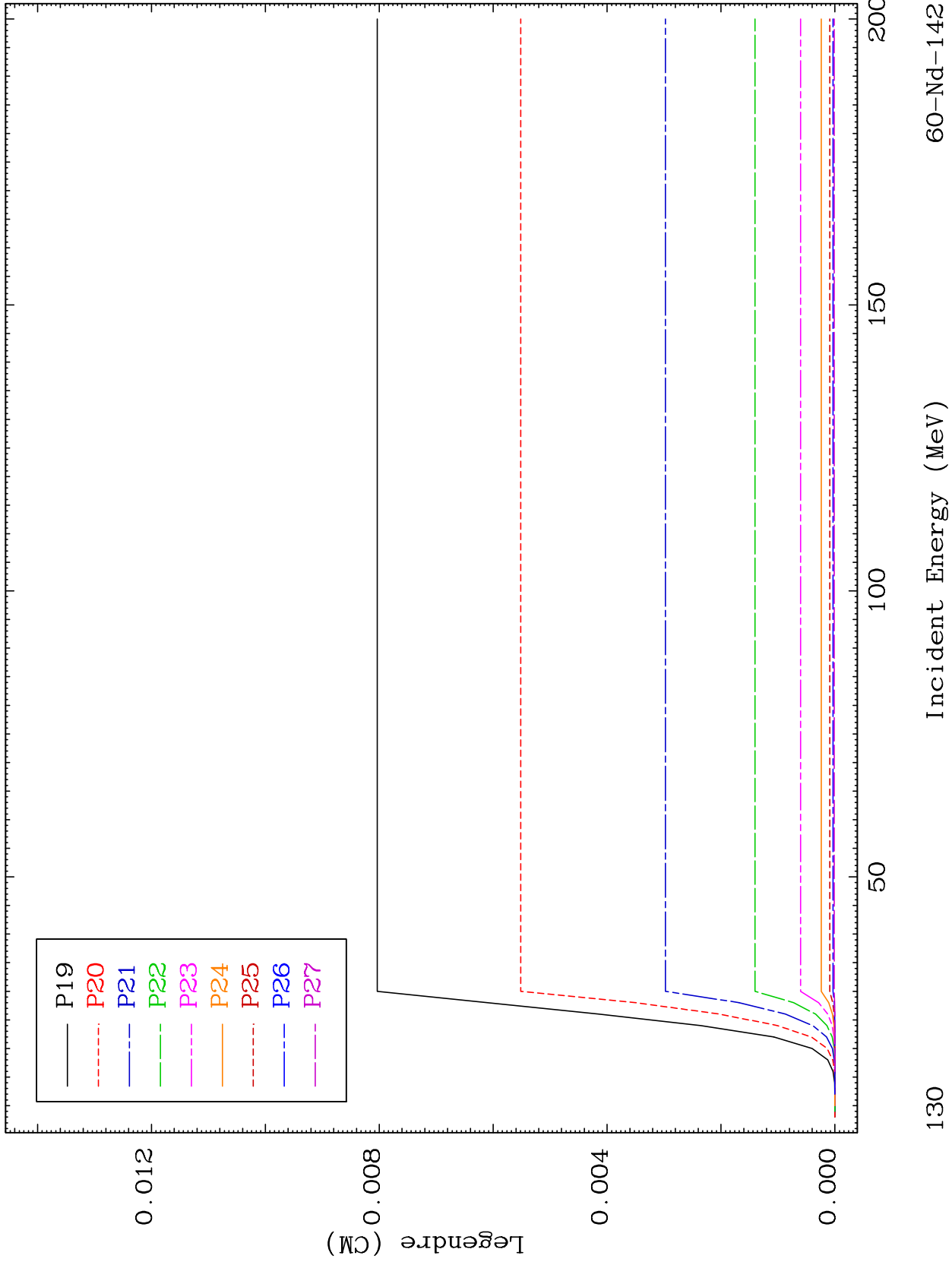




MAT 6025

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

60-Nd-142



130

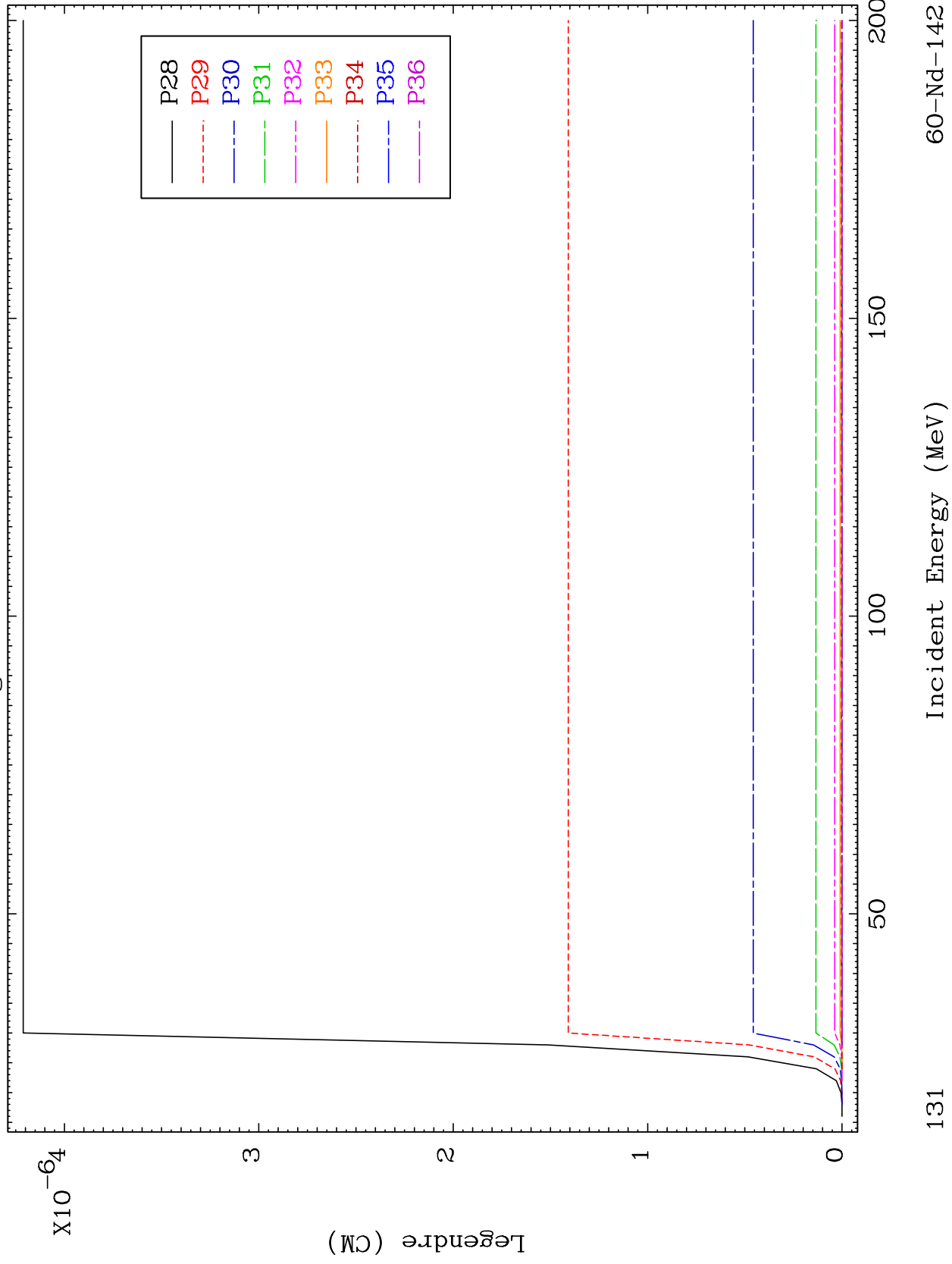
Incident Energy (MeV)

60-Nd-142

MAT 6025

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

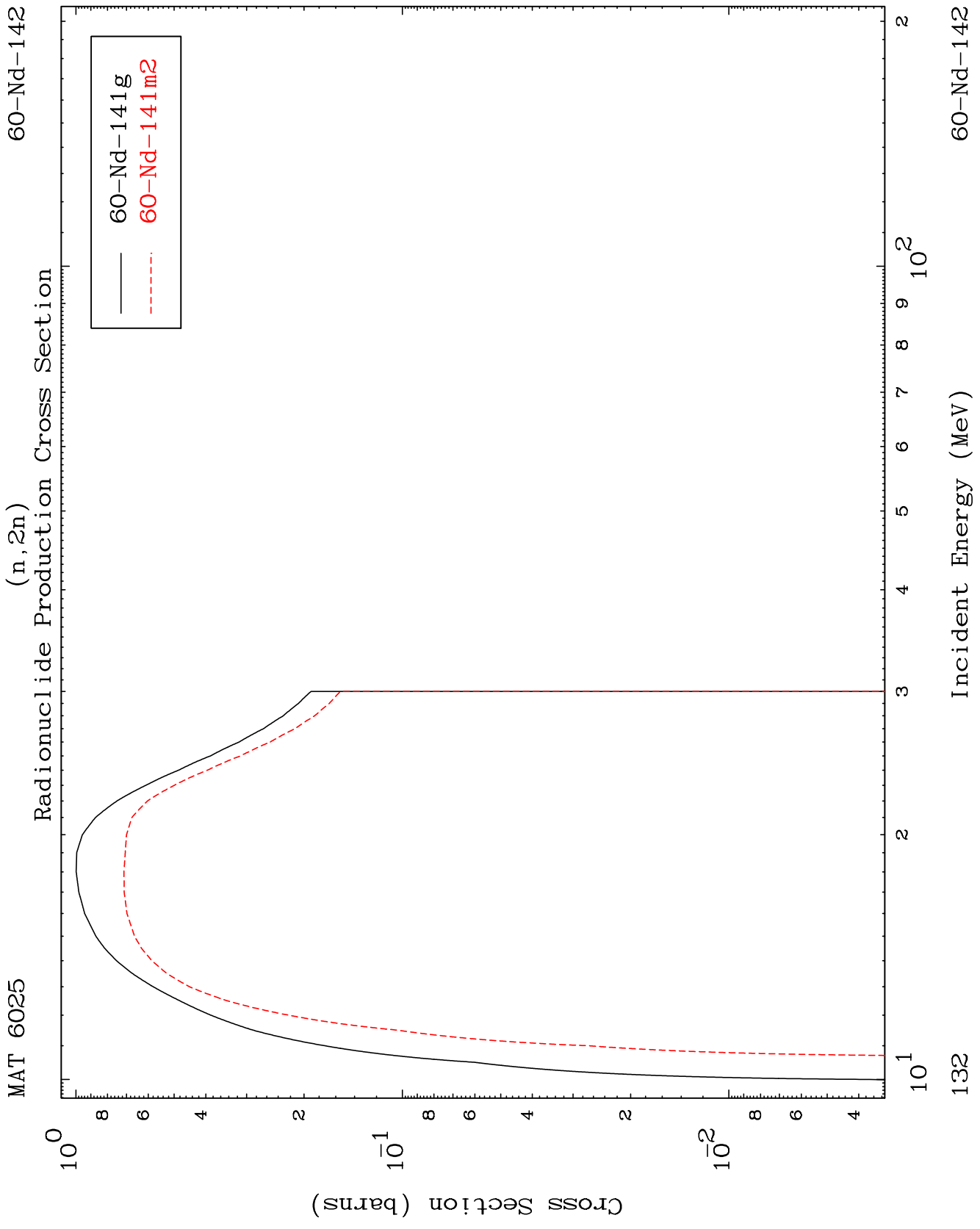
60-Nd-142



131

Incident Energy (MeV)

60-Nd-142

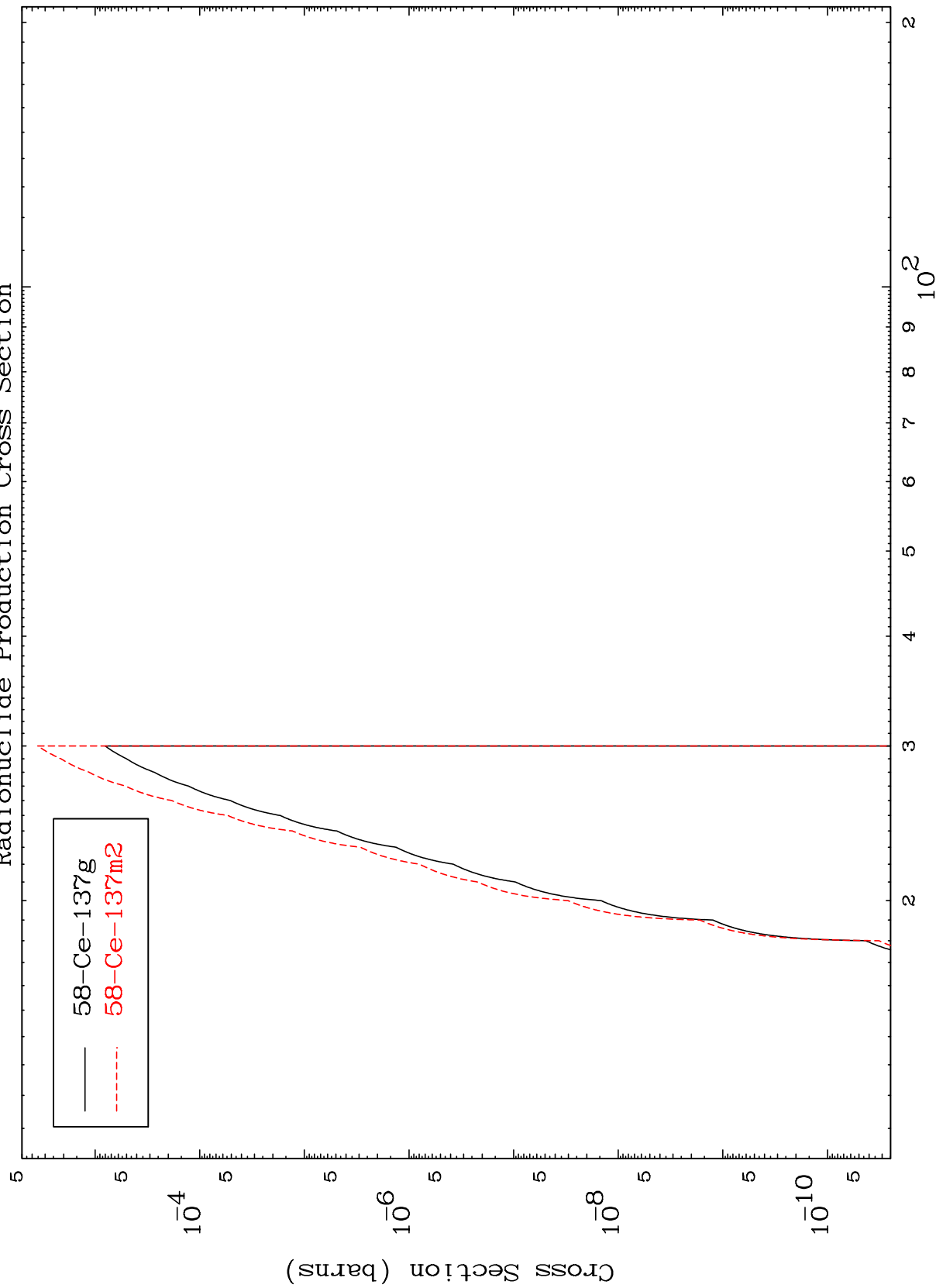


MAT 6025

60-Nd-142

(n,2n) α

Radionuclide Production Cross Section



133

Incident Energy (MeV)

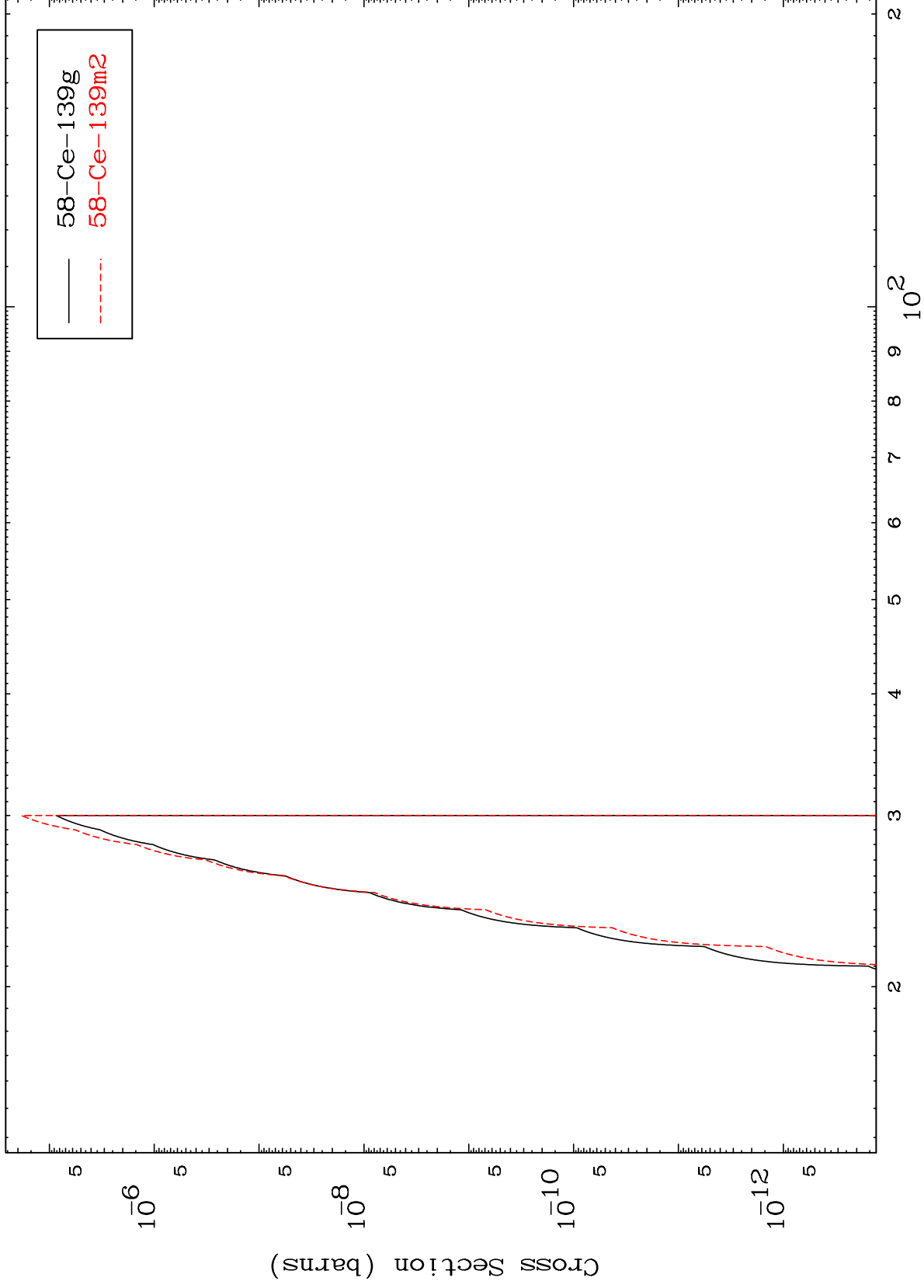
60-Nd-142

MAT 6025

(n,n') He-3

60-Nd-142

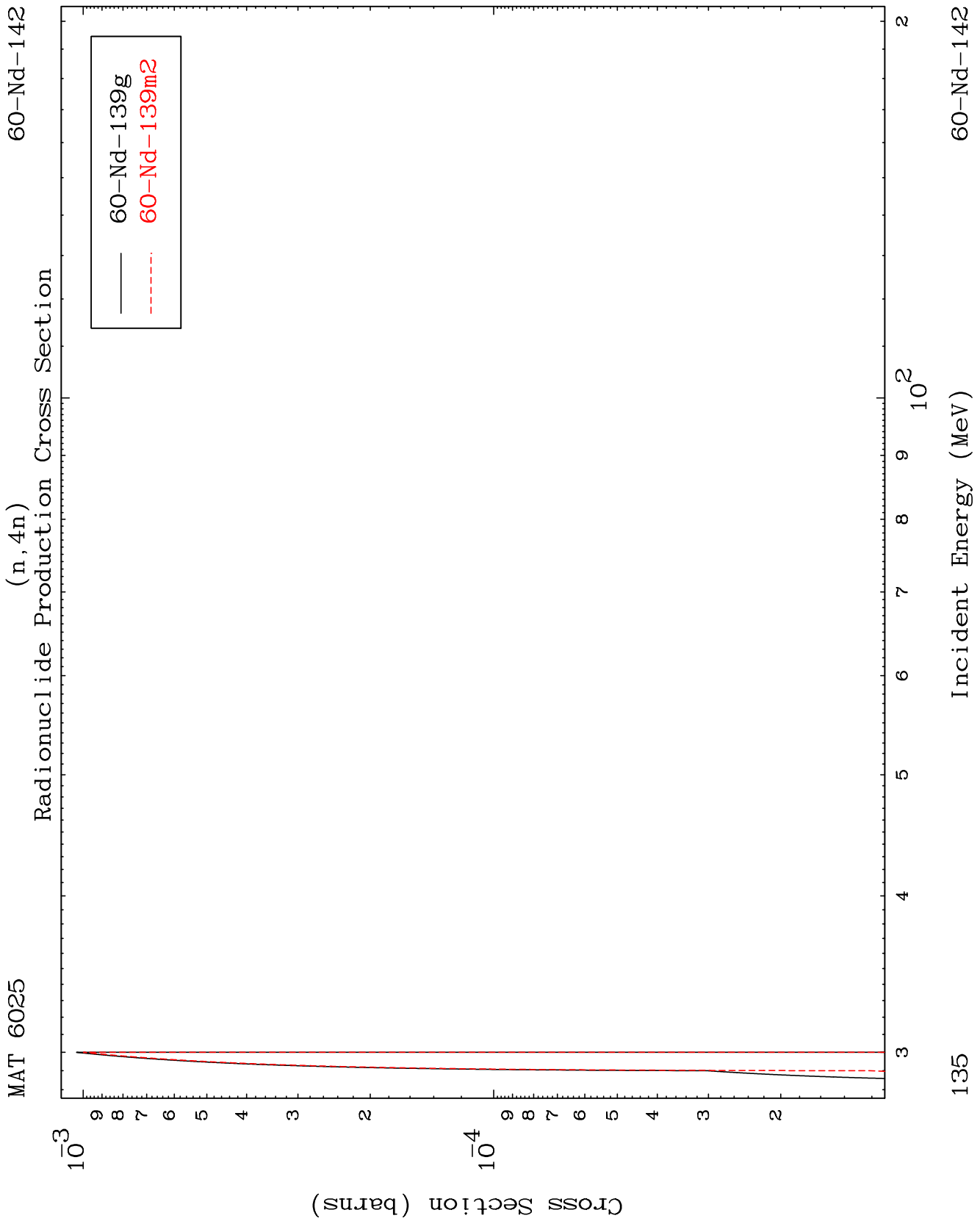
Radionuclide Production Cross Section



134

Incident Energy (MeV)

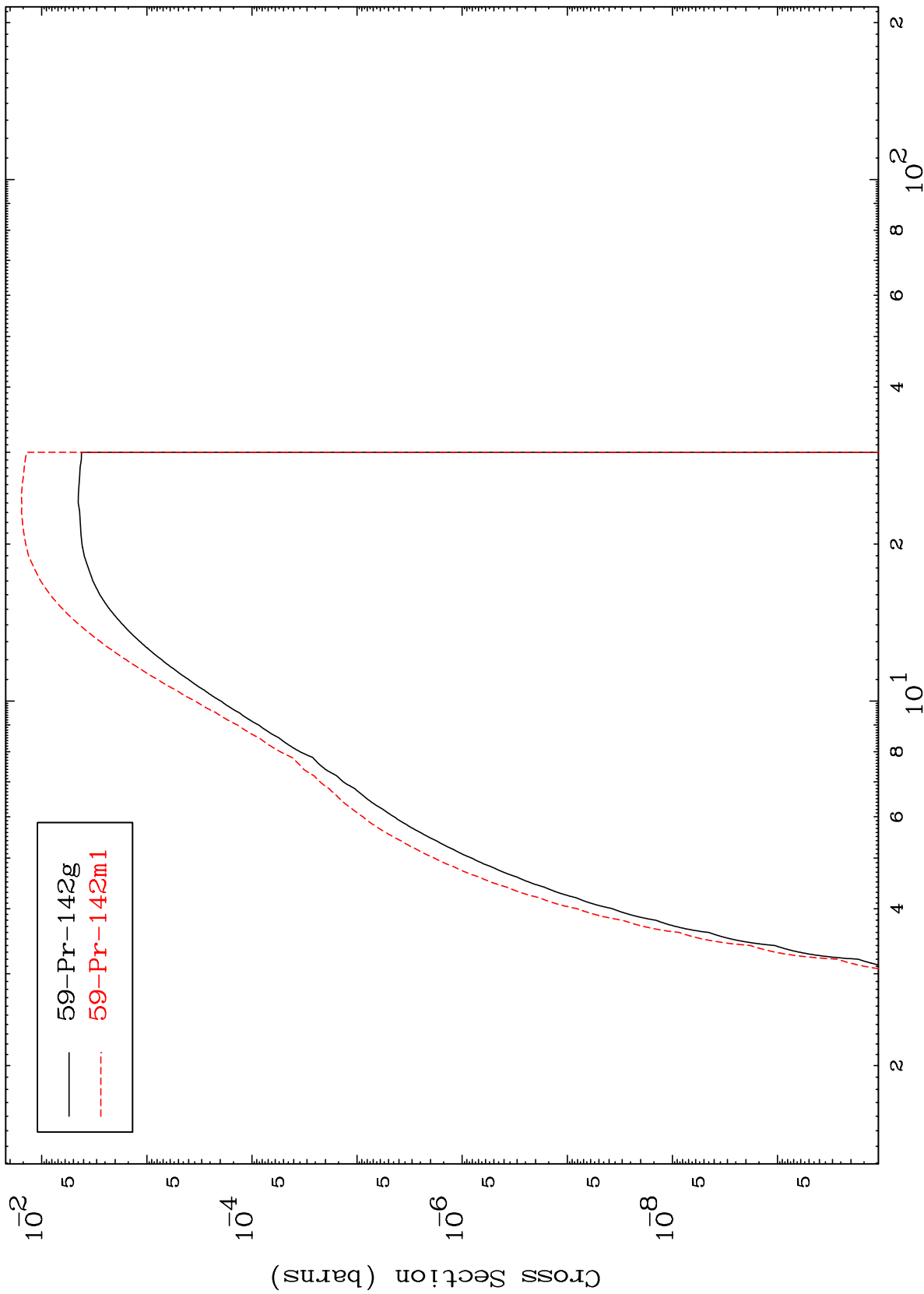
60-Nd-142



MAT 6025

60-Nd-142

(n,p)
Radionuclide Production Cross Section



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60-Nd-142

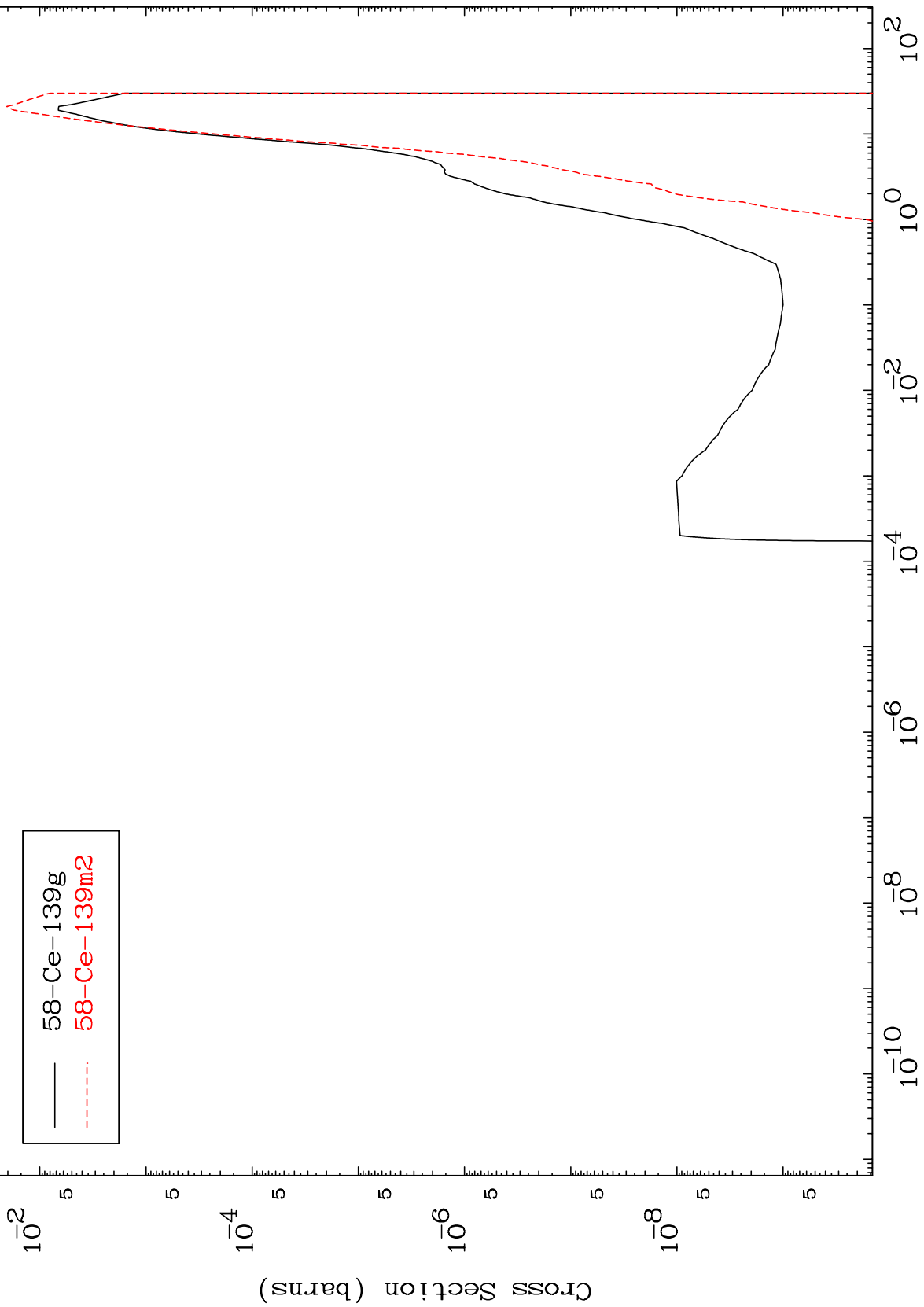
Incident Energy (MeV)

MAT 6025

(n, α)

60-Nd-142

Radionuclide Production Cross Section



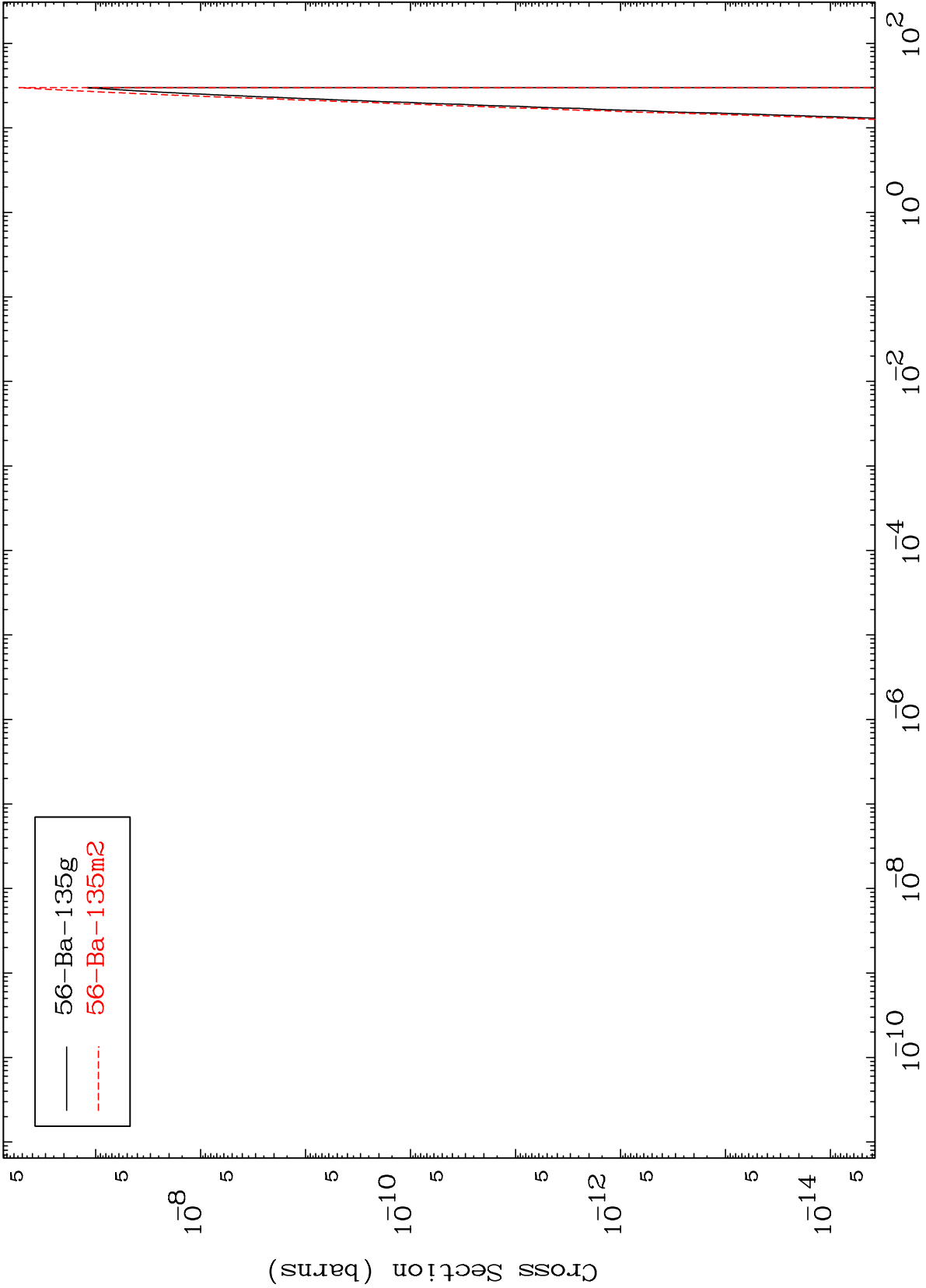
58-Ce-139g
58-Ce-139m2

MAT 6025

(n,2α)

60-Nd-142

Radionuclide Production Cross Section



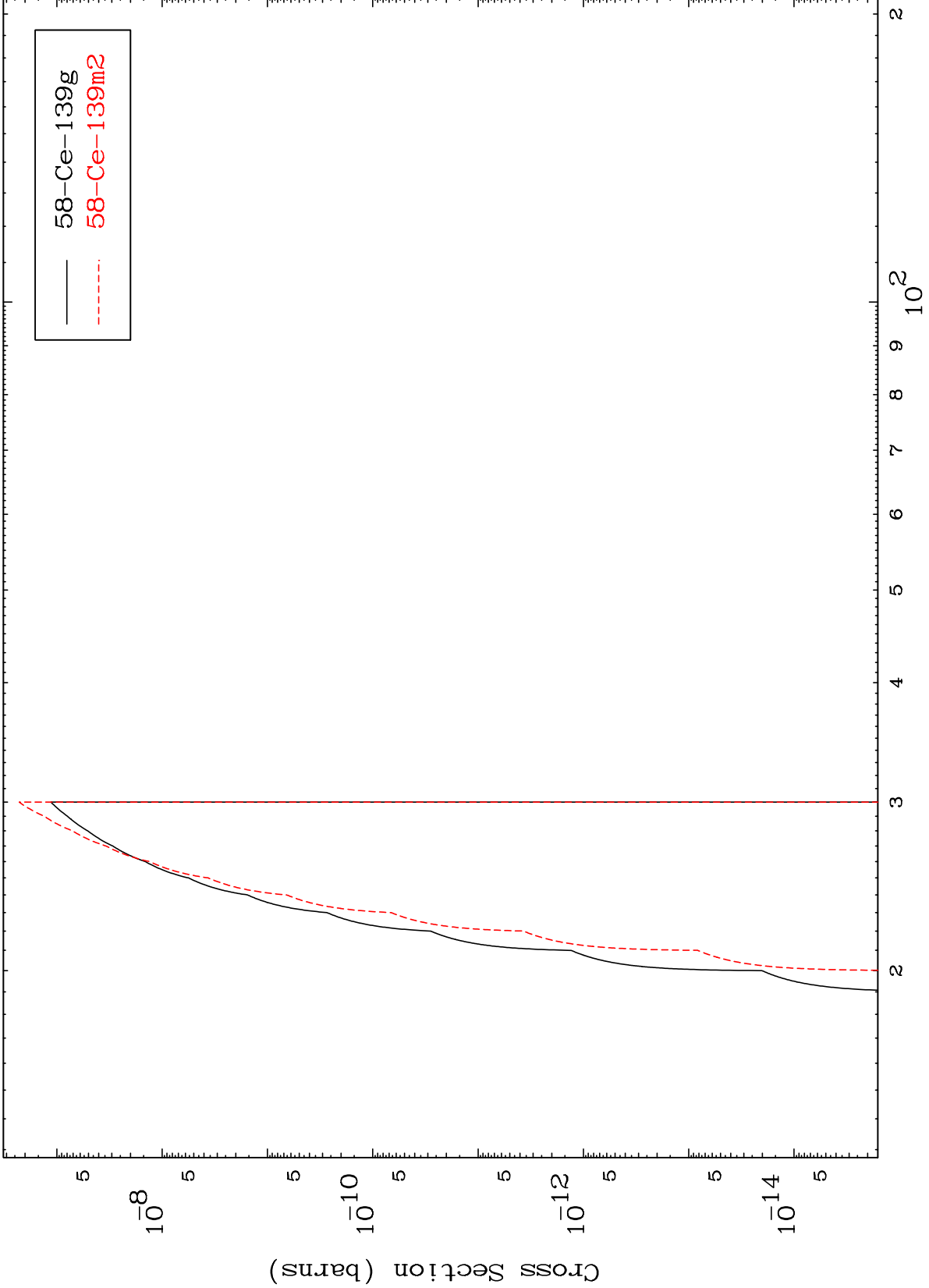
56-Ba-135g
56-Ba-135m2

MAT 6025

(n,p) t

60-Nd-142

Radionuclide Production Cross Section



139

Incident Energy (MeV)

60-Nd-142