

Program EVALPLOT
(Version 2017-1)

by

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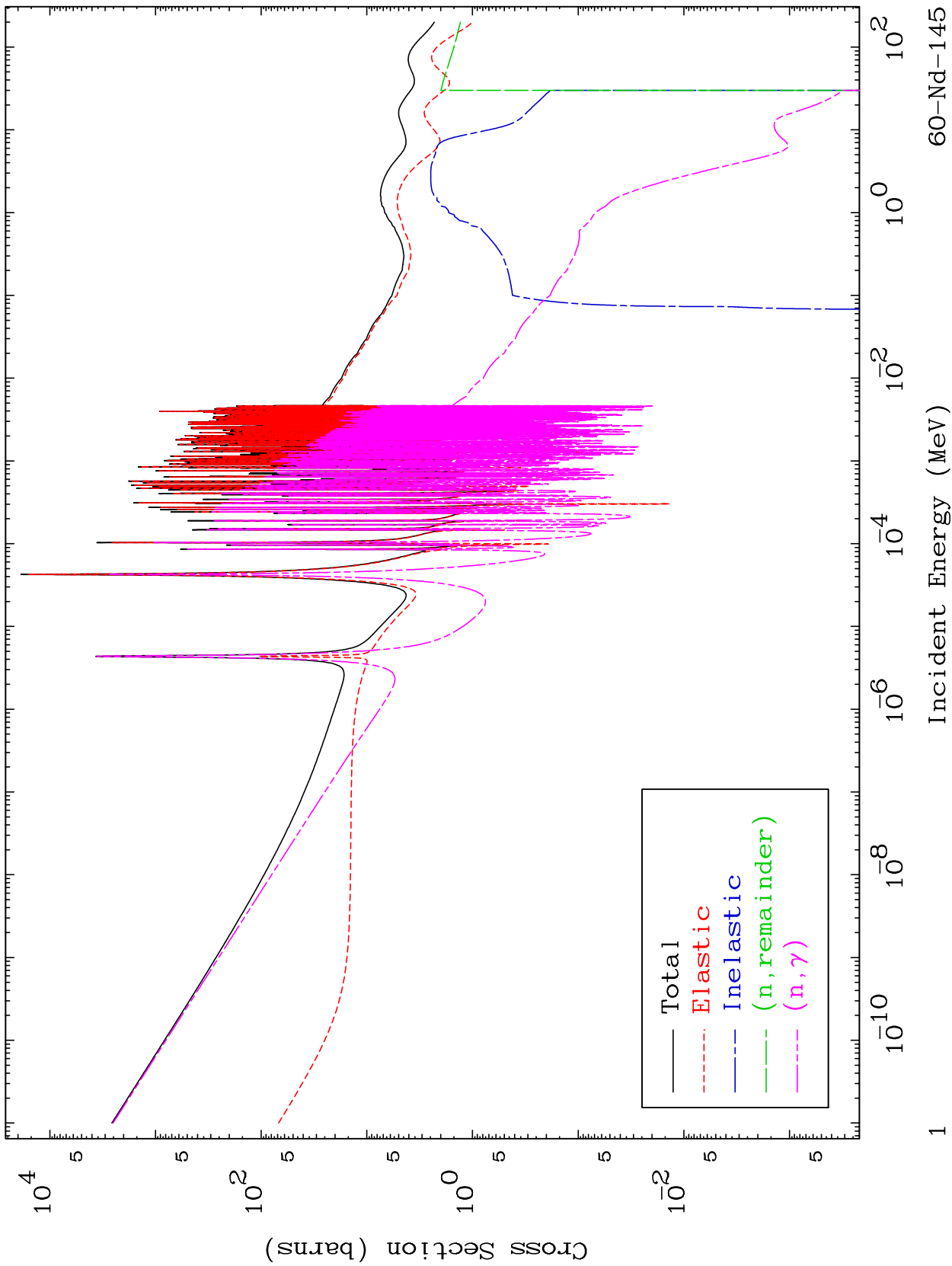
Press Mouse Button to Start

MAT 6034

Major

293 Kelvin Cross Sections

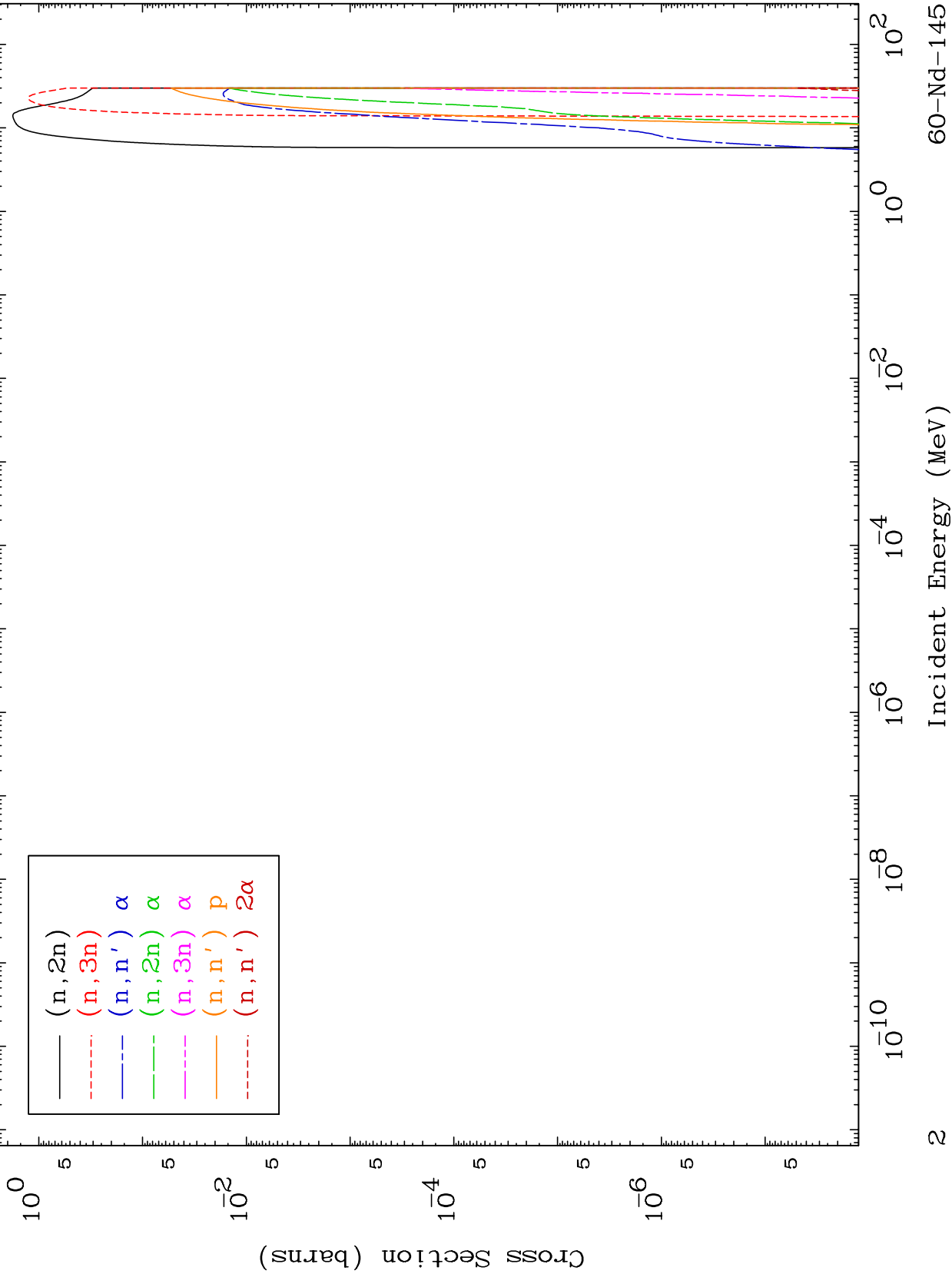
60-Nd-145

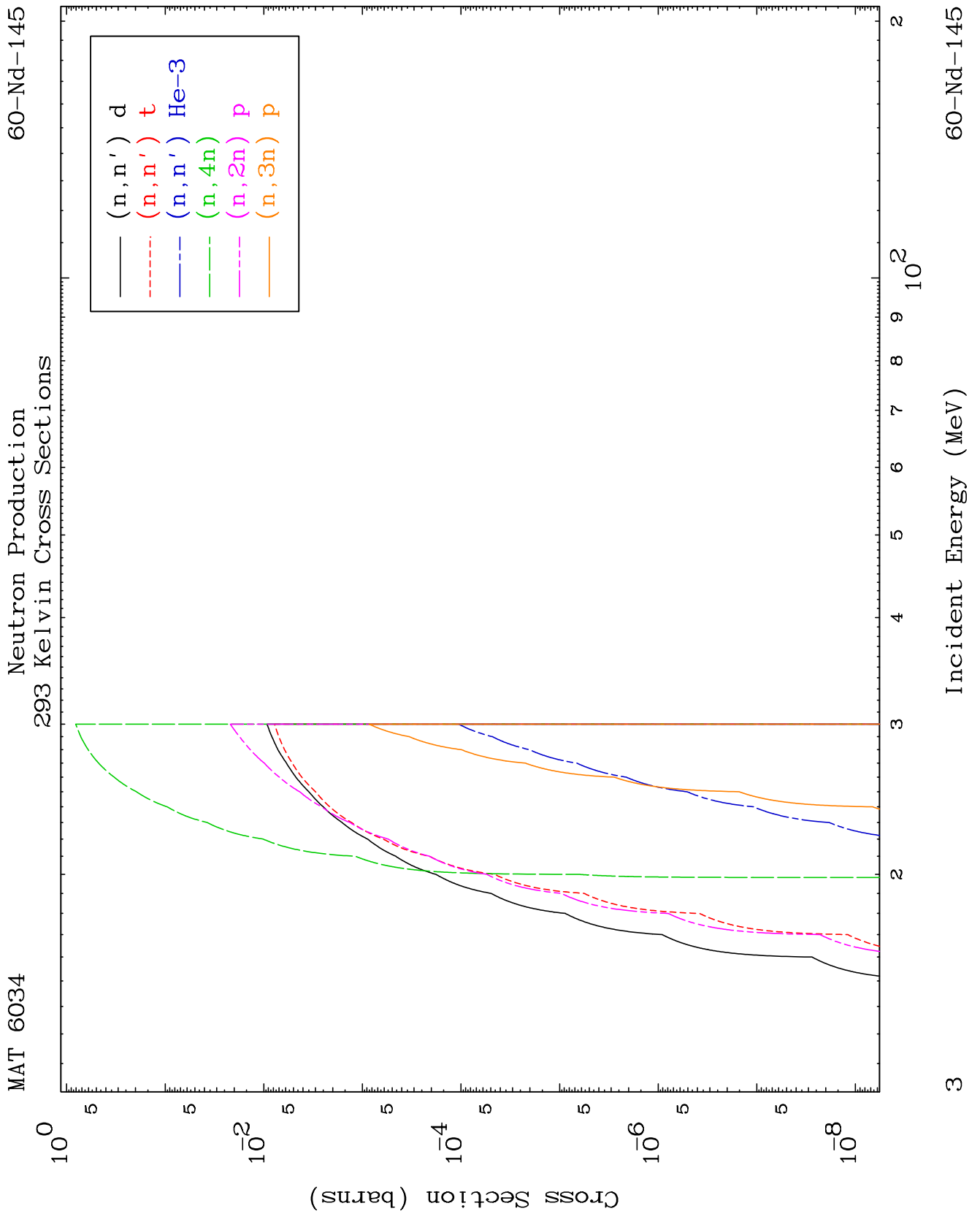


MAT 6034

Neutron Production
293 Kelvin Cross Sections

60-Nd-145

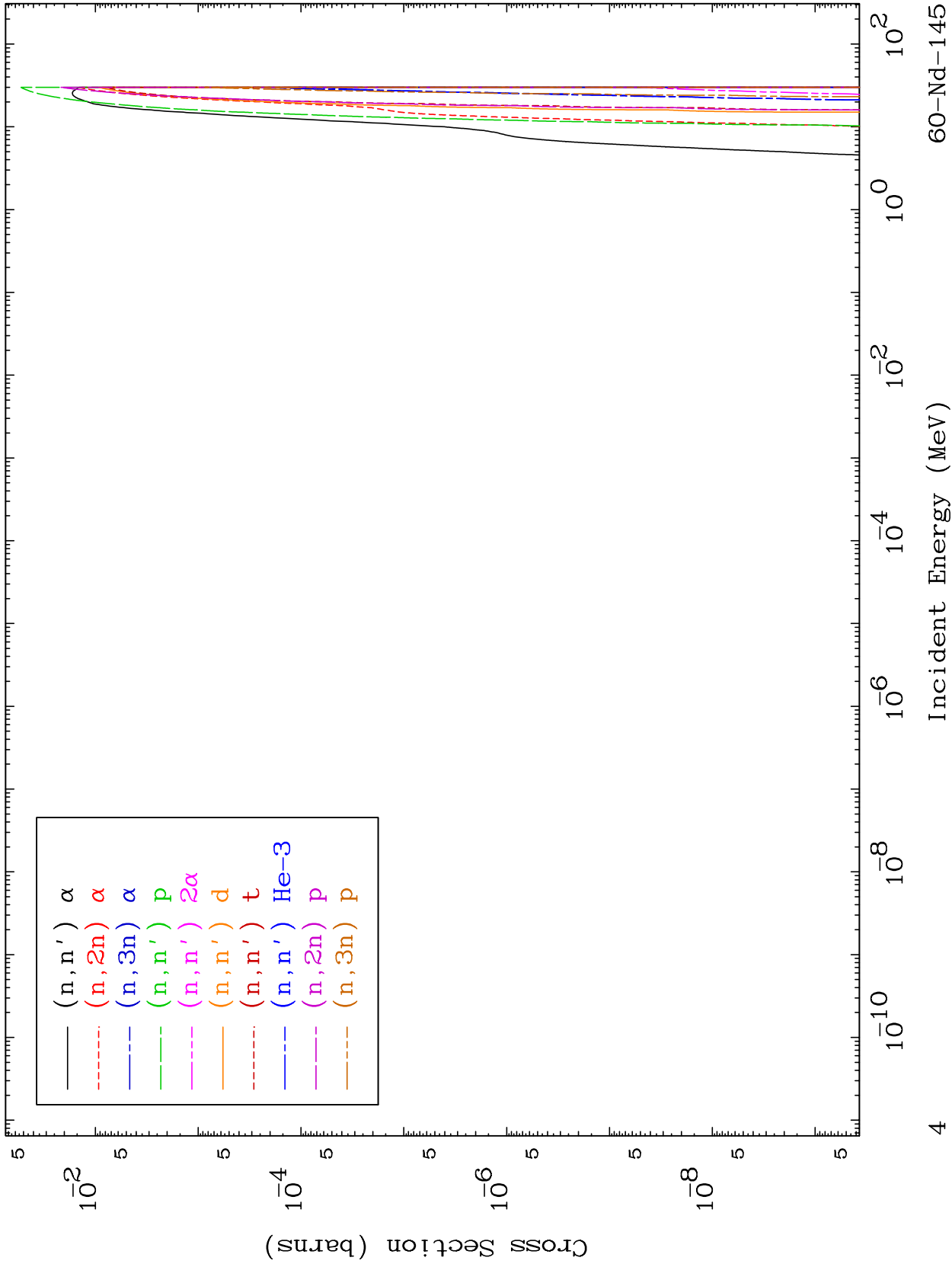




MAT 6034

Charged Particle
293 Kelvin Cross Sections

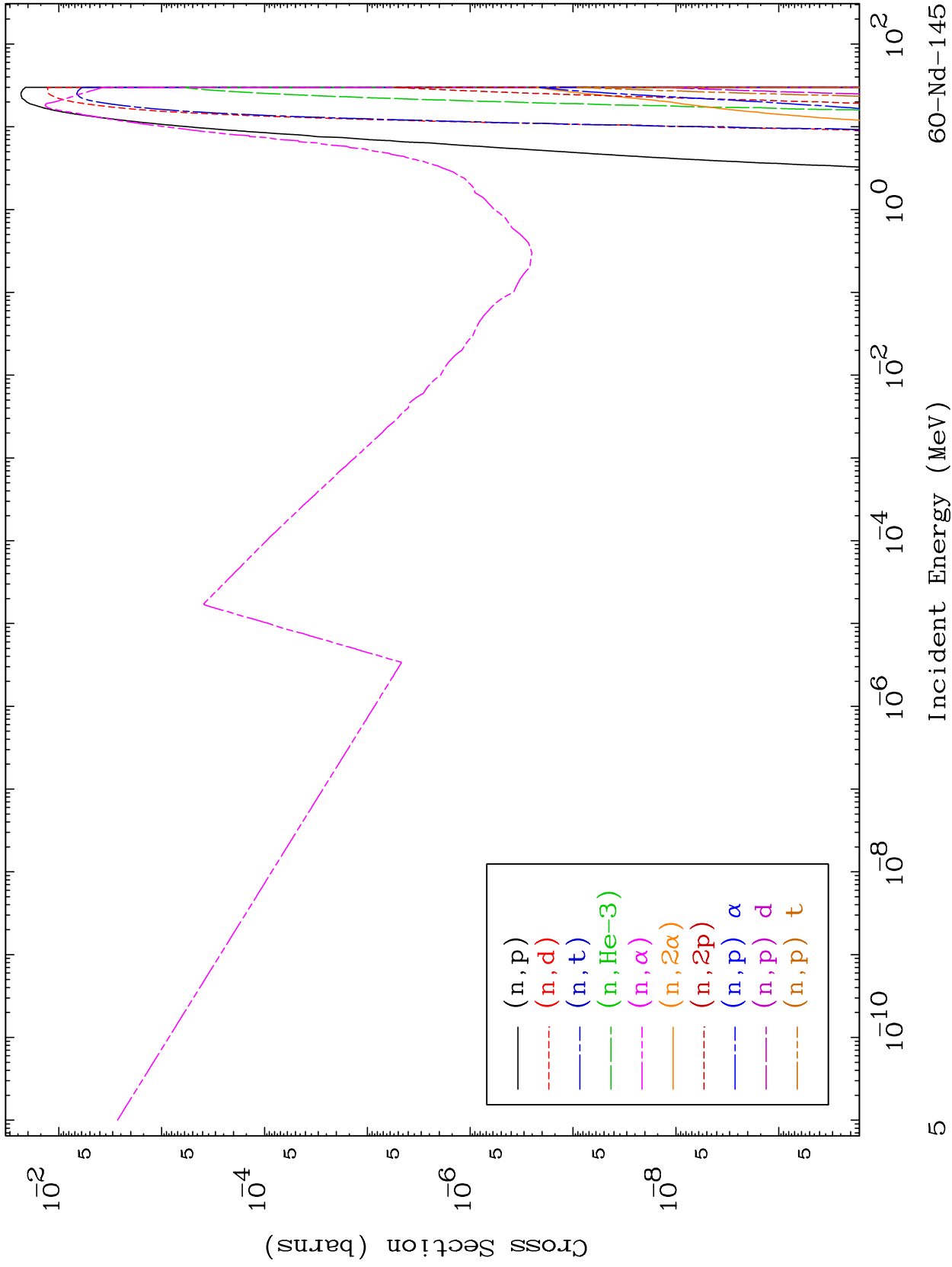
60-Nd-145



MAT 6034

Charged Particle
293 Kelvin Cross Sections

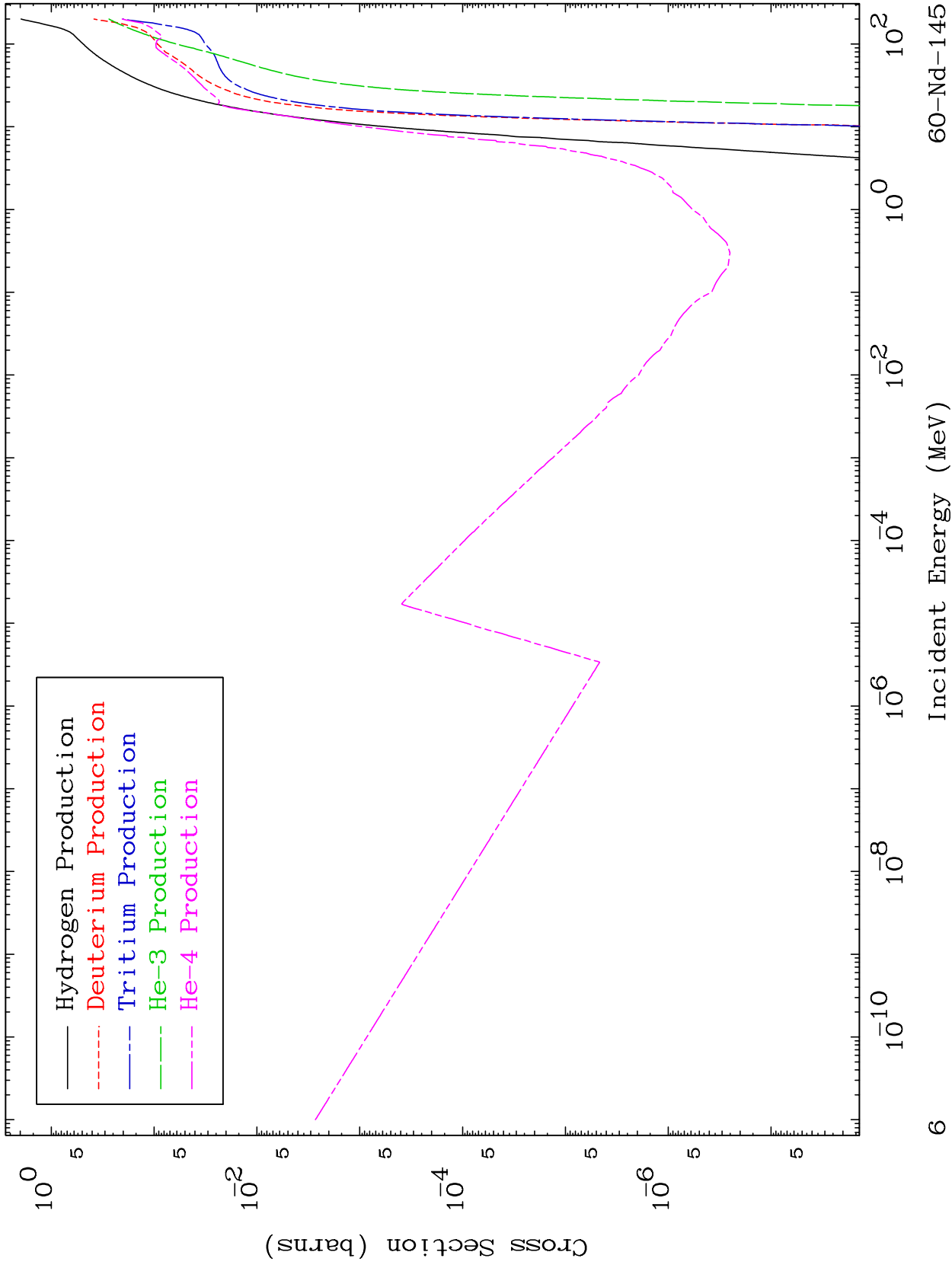
60-Nd-145



MAT 6034

Particle Production
293 Kelvin Cross Sections

60-Nd-145

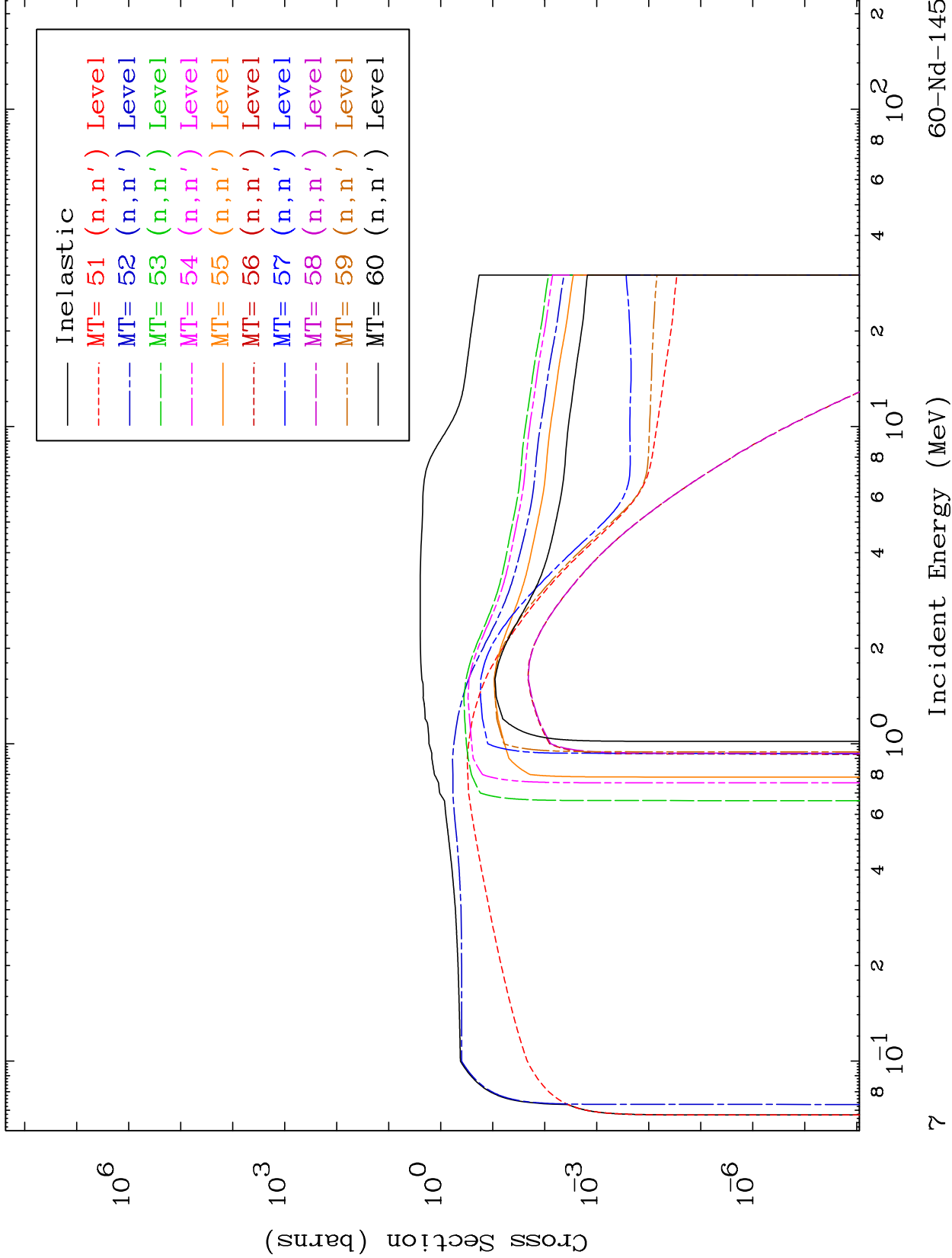


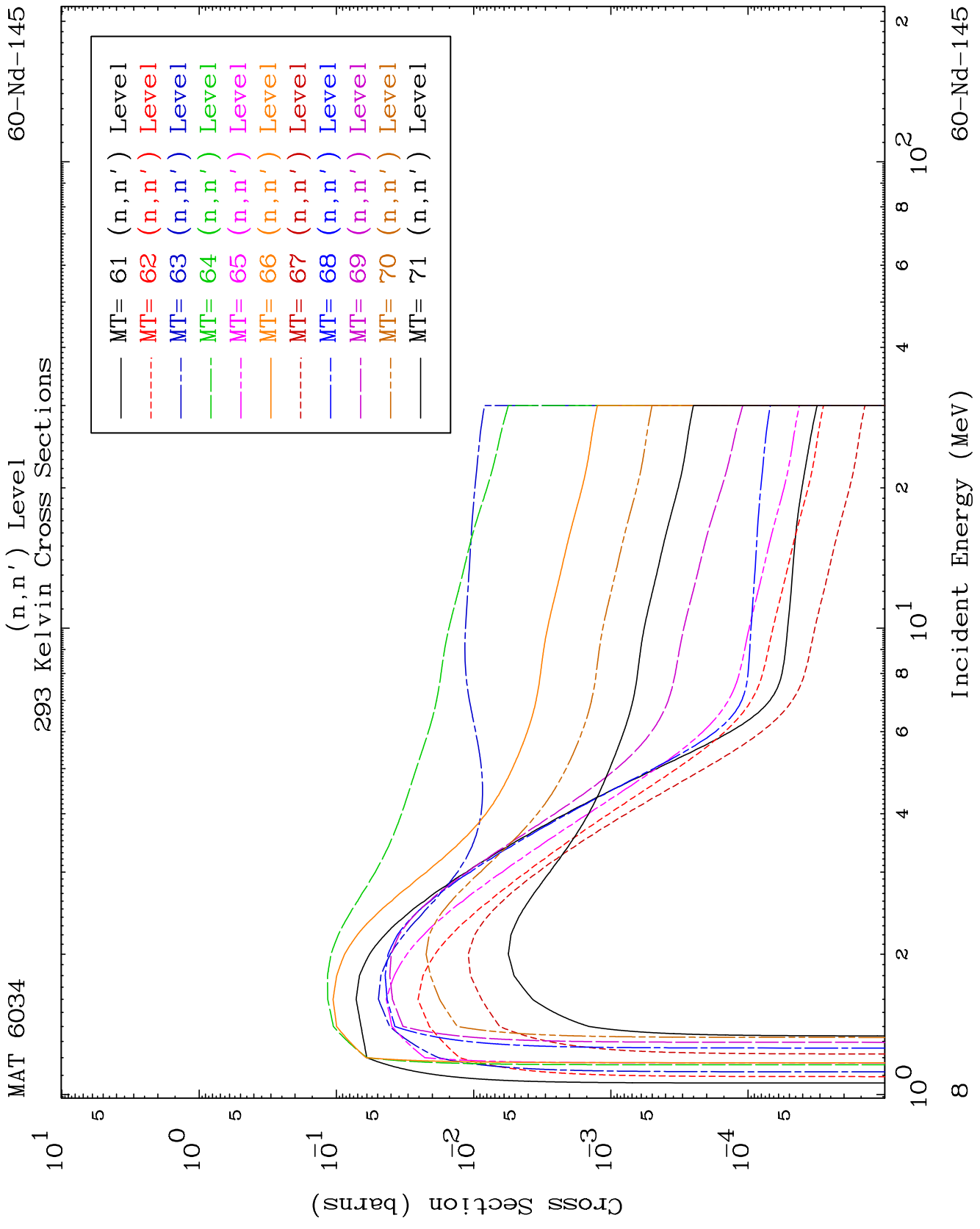
MAT 6034

(n,n') Level

60-Nd-145

293 Kelvin Cross Sections



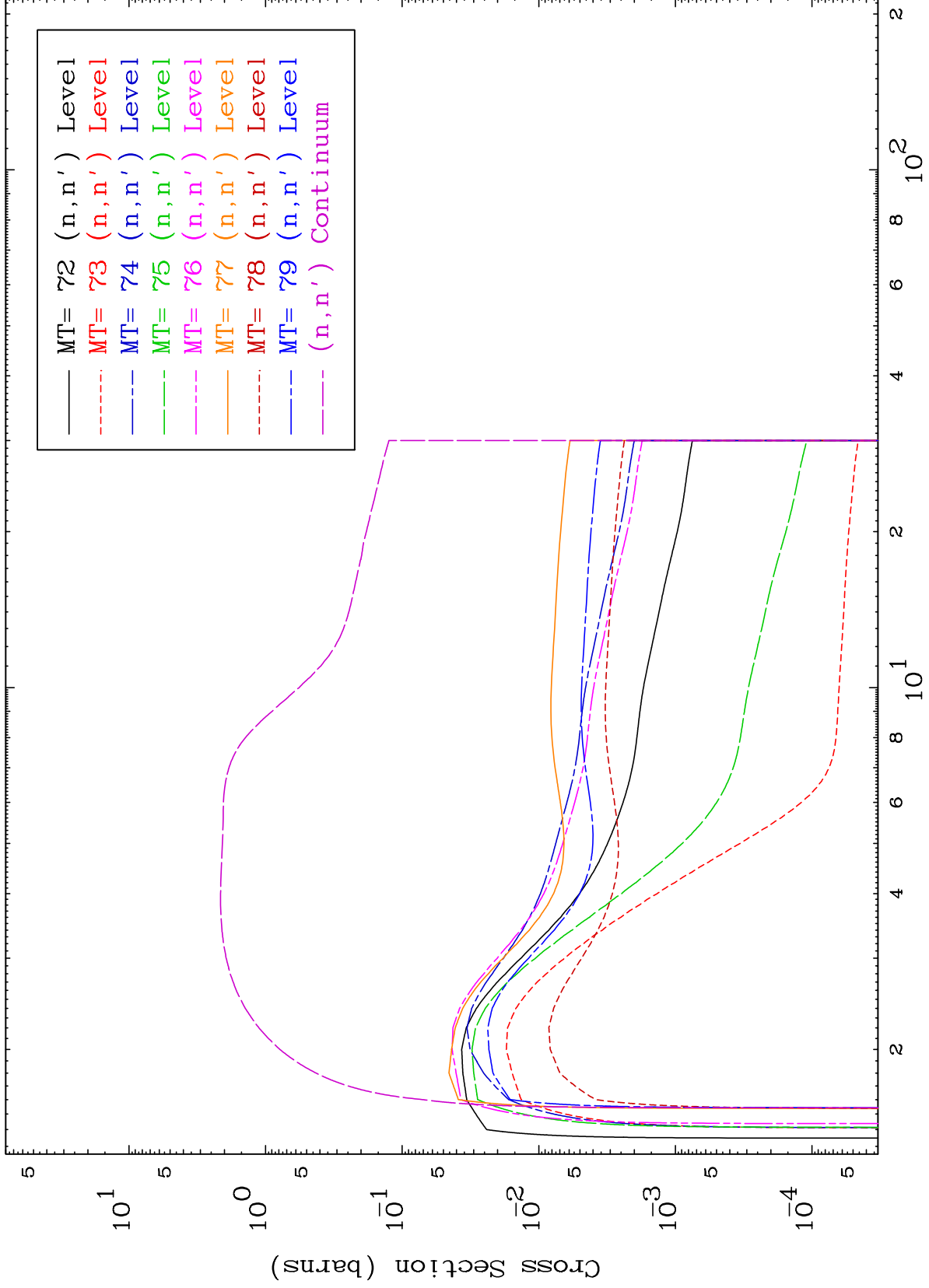


MAT 6034

(n,n') Level

60-Nd-145

293 Kelvin Cross Sections



9

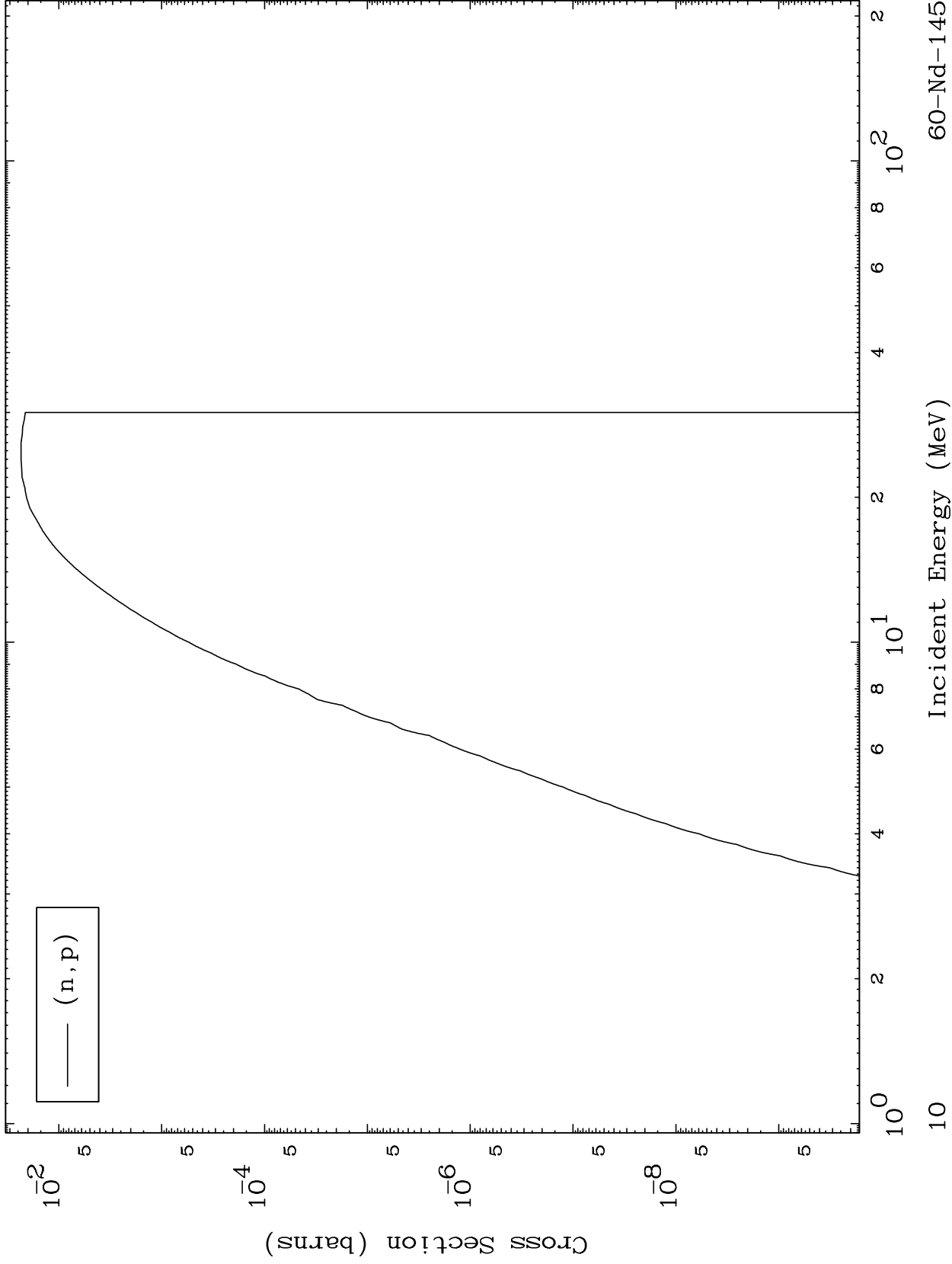
Incident Energy (MeV)

60-Nd-145

MAT 6034

(n,p) Levels
293 Kelvin Cross Sections

60-Nd-145

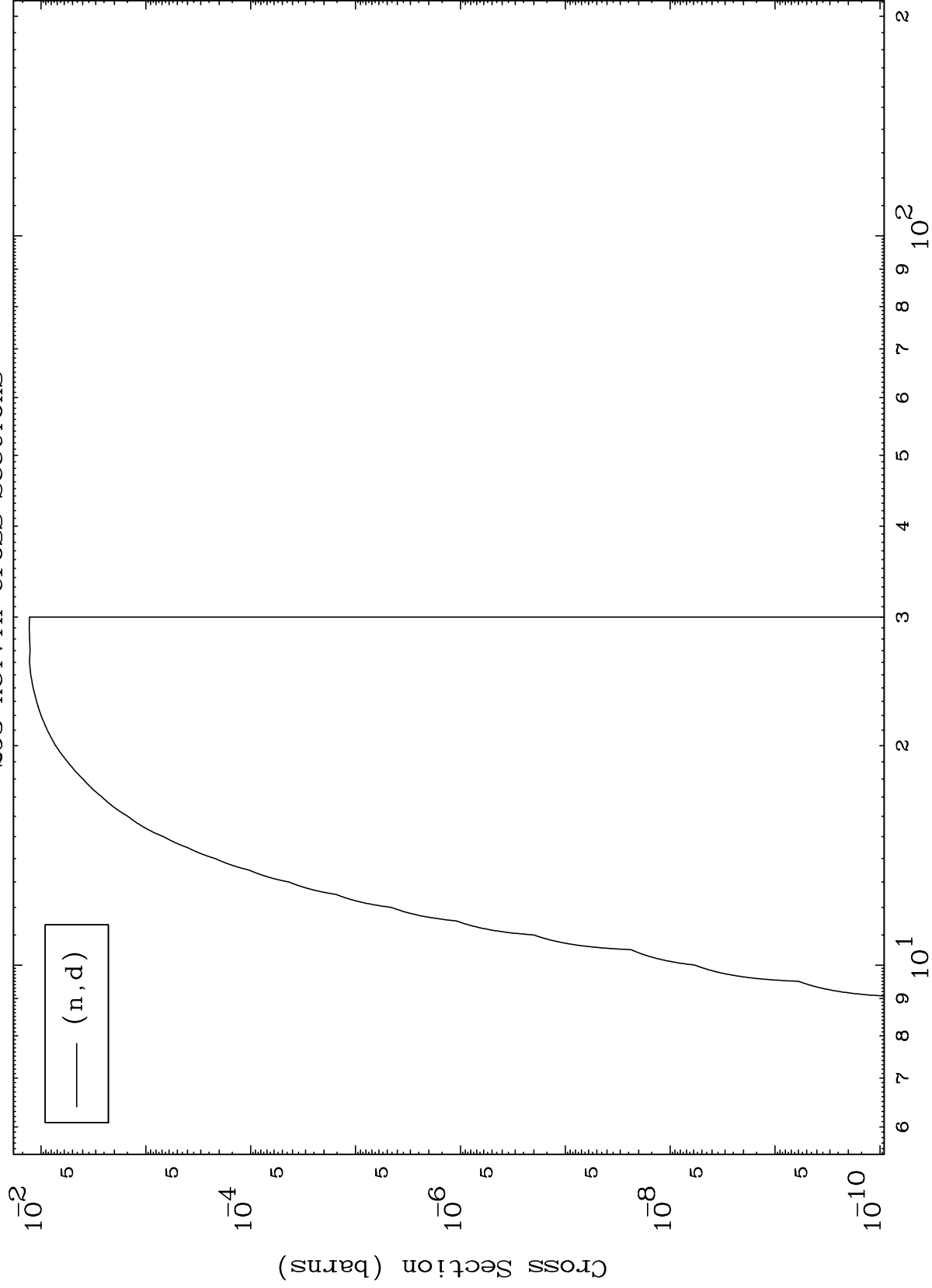


60-Nd-145

MAT 6034

(n,d) Levels
293 Kelvin Cross Sections

60-Nd-145



11

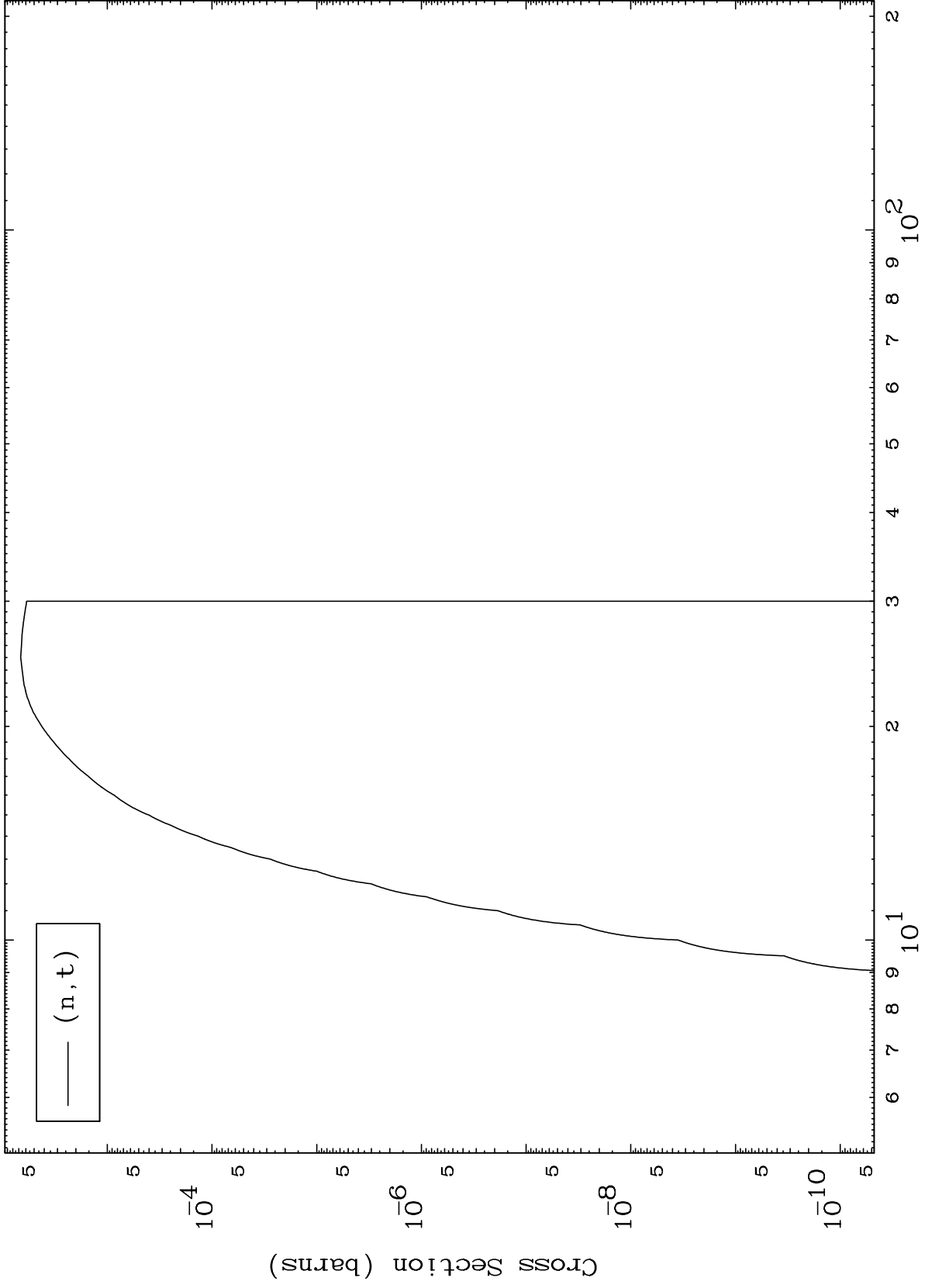
Incident Energy (MeV)

60-Nd-145

MAT 6034

(n,t) Levels
293 Kelvin Cross Sections

60-Nd-145



12

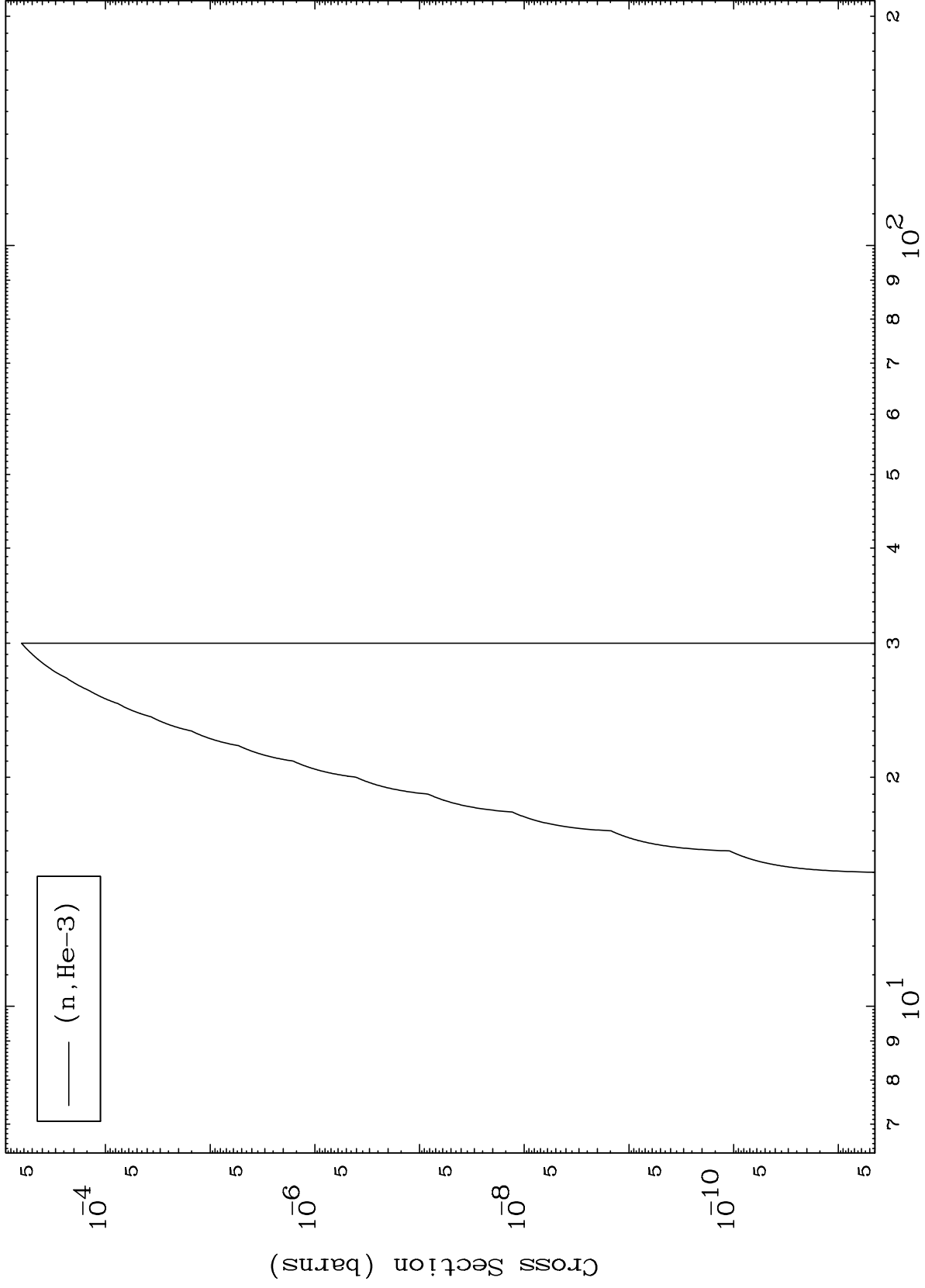
Incident Energy (MeV)

60-Nd-145

MAT 6034

(n,He3) Levels
293 Kelvin Cross Sections

60-Nd-145



13

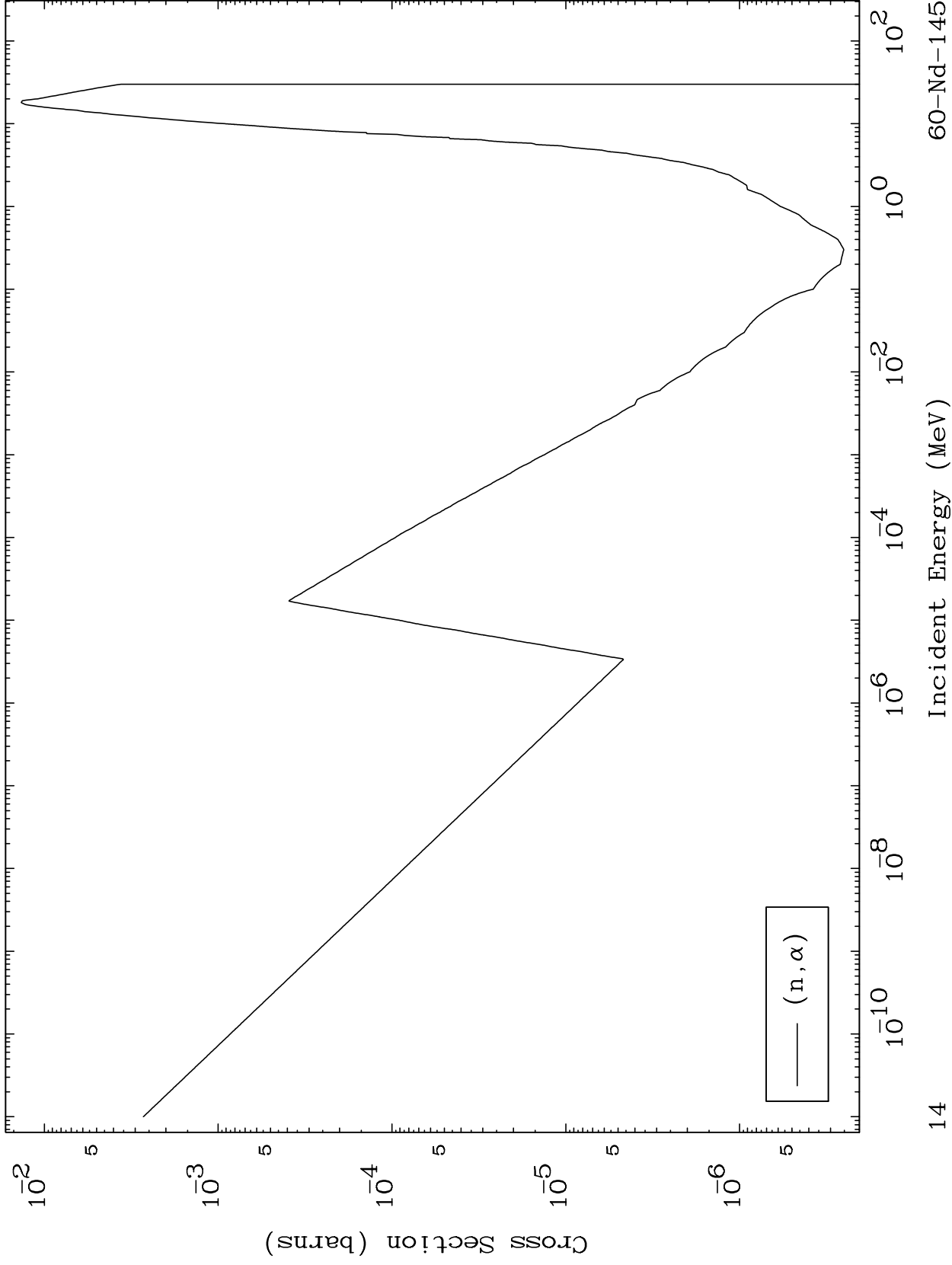
Incident Energy (MeV)

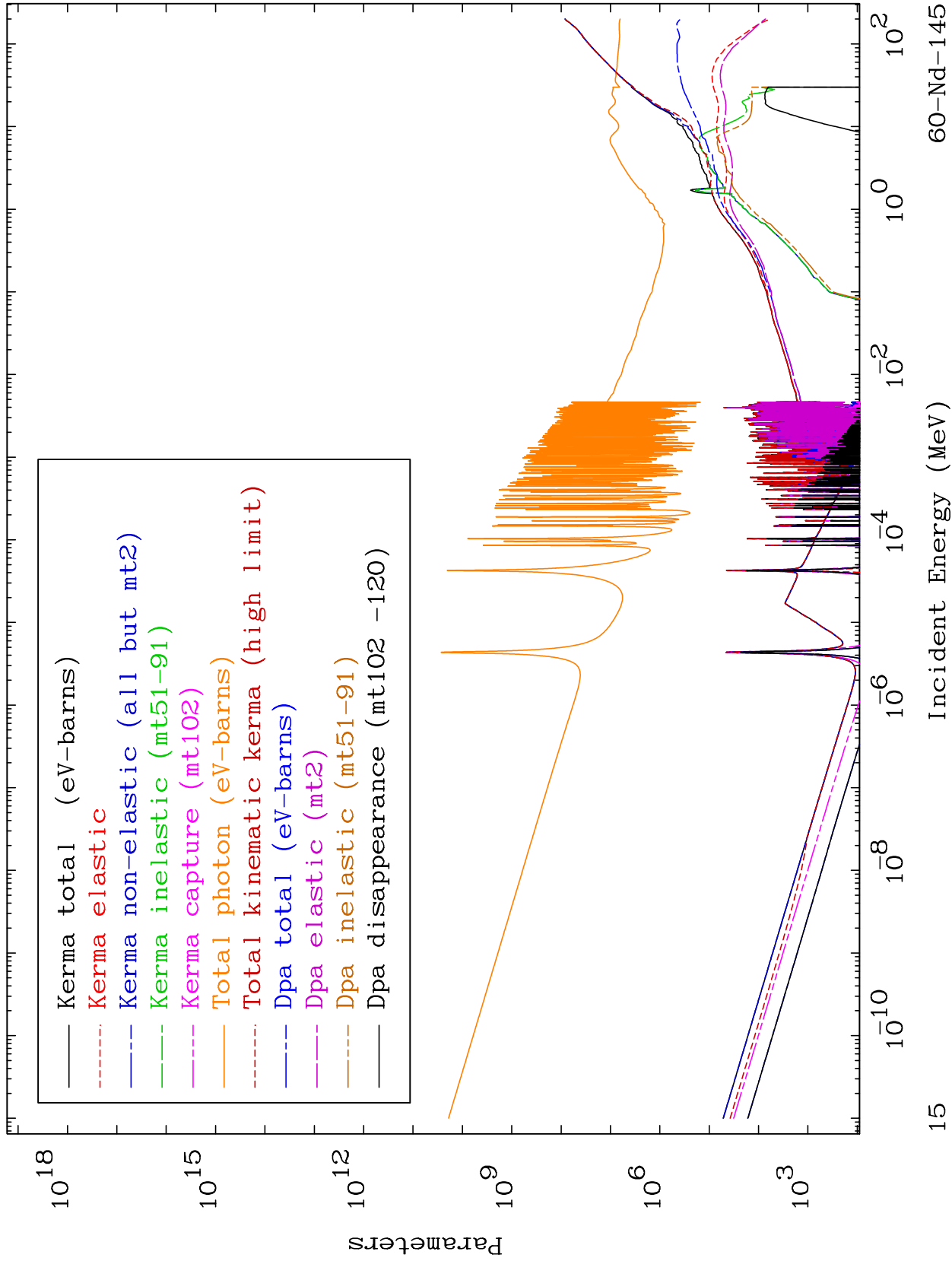
60-Nd-145

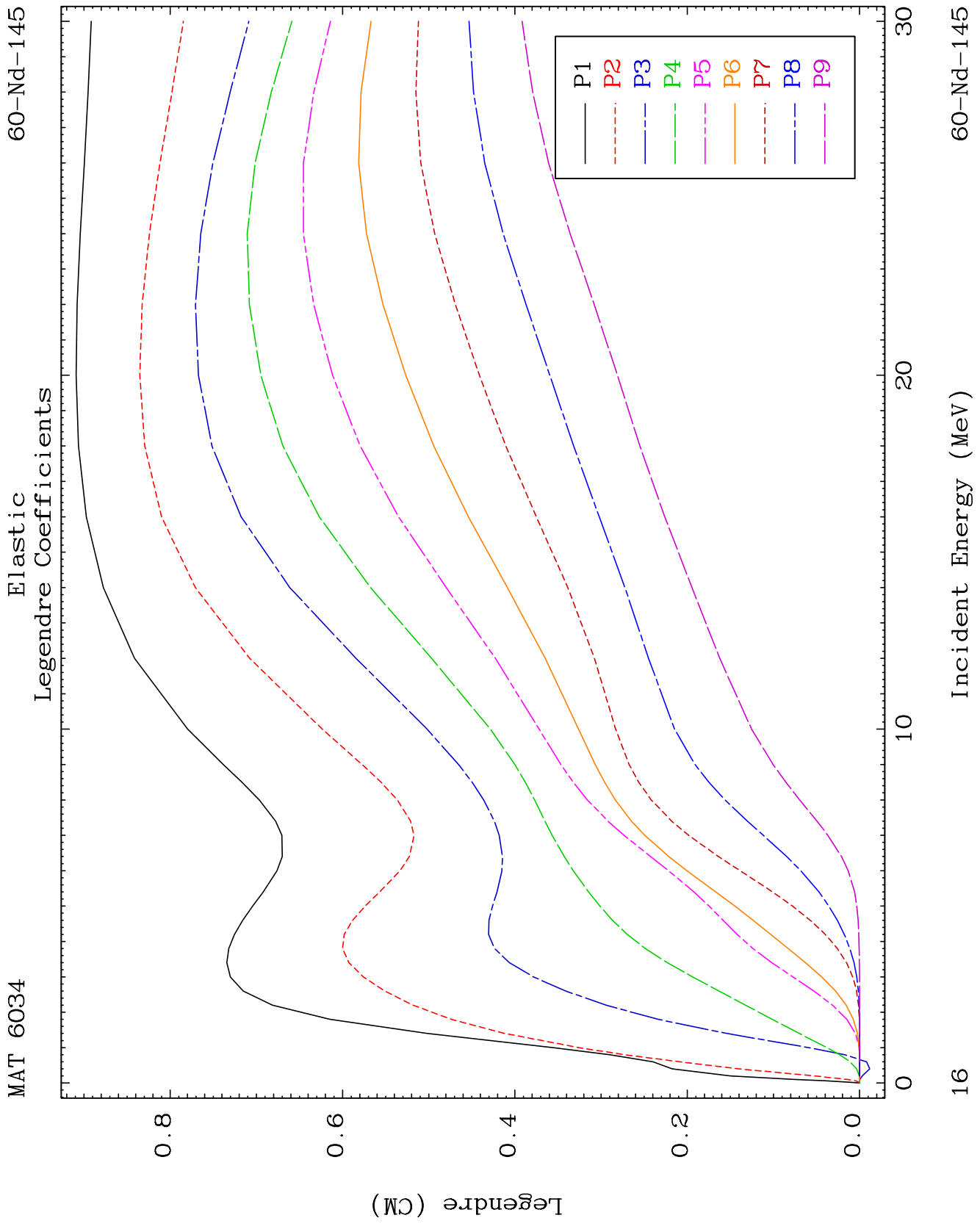
MAT 6034

(n, α) Levels
293 Kelvin Cross Sections

60-Nd-145



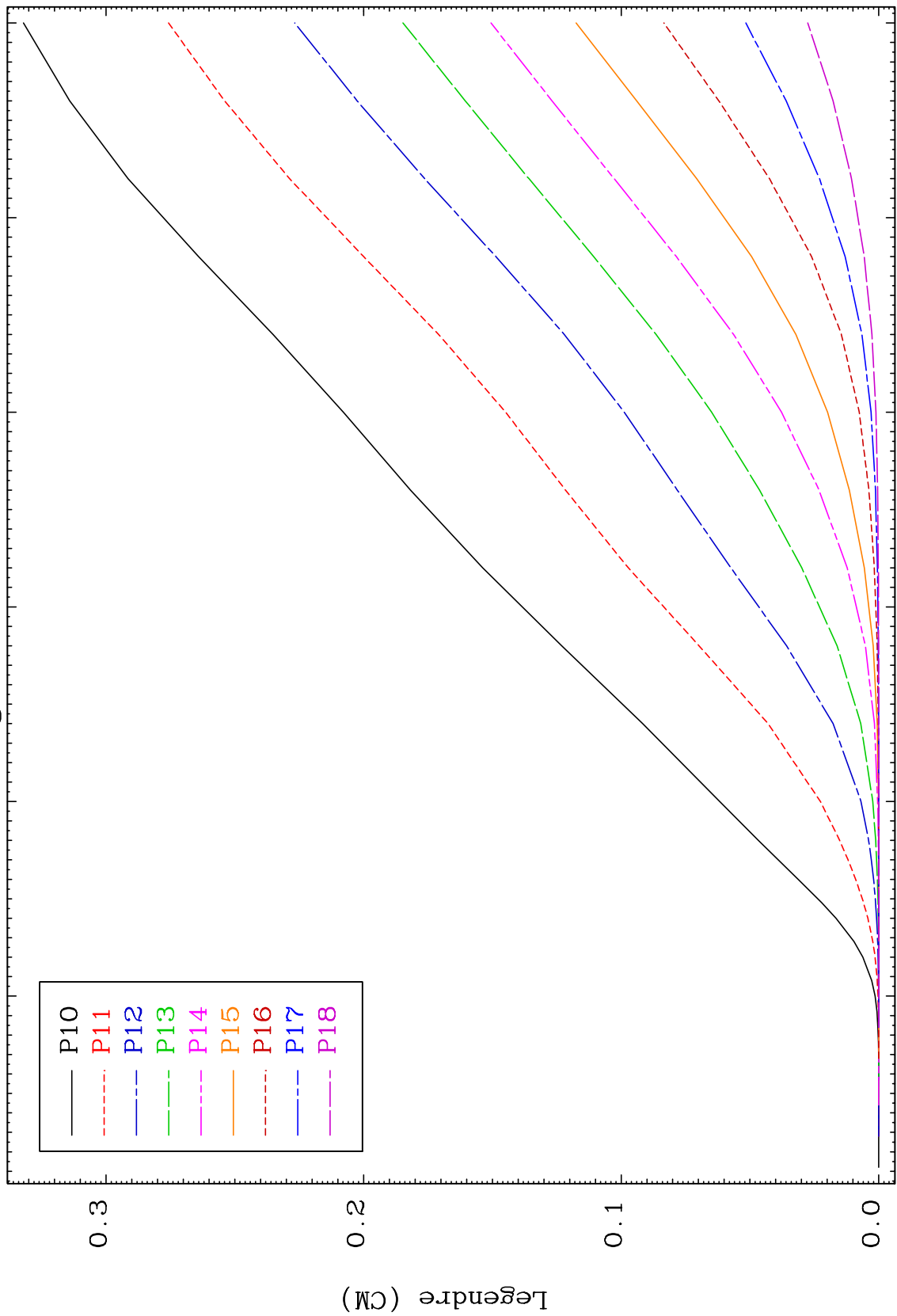




MAT 6034

Elastic Legendre Coefficients

60-Nd-145



17

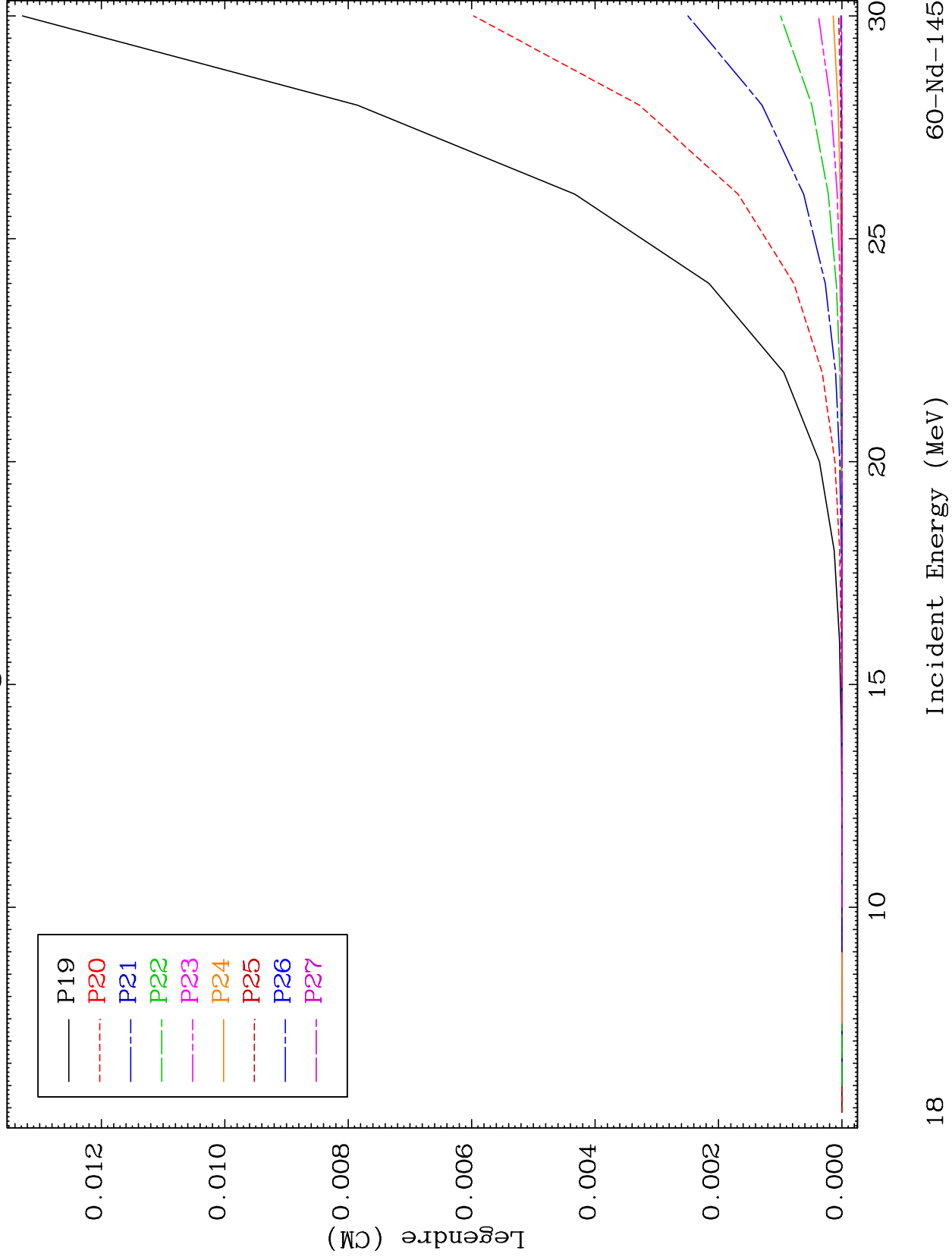
Incident Energy (MeV)

60-Nd-145

MAT 6034

Elastic Legendre Coefficients

⁶⁰Nd-145



18

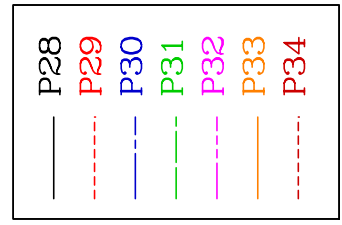
Incident Energy (MeV)

⁶⁰Nd-145

MAT 6034

Elastic
Legendre Coefficients

60-Nd-145



$\times 10^{-6}$

Legendre (CM)

1.5

1.0

0.5

0.0

15

20

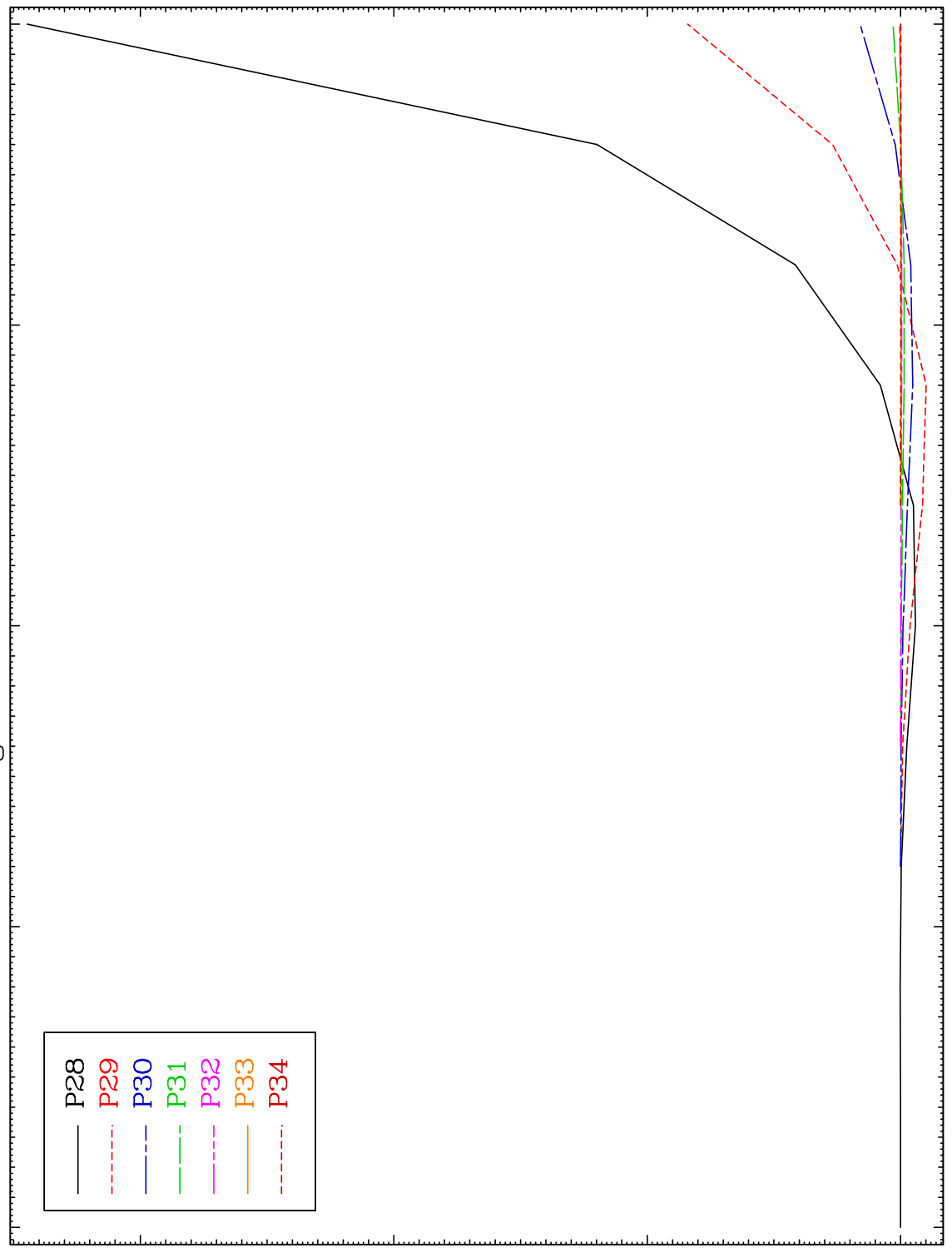
25

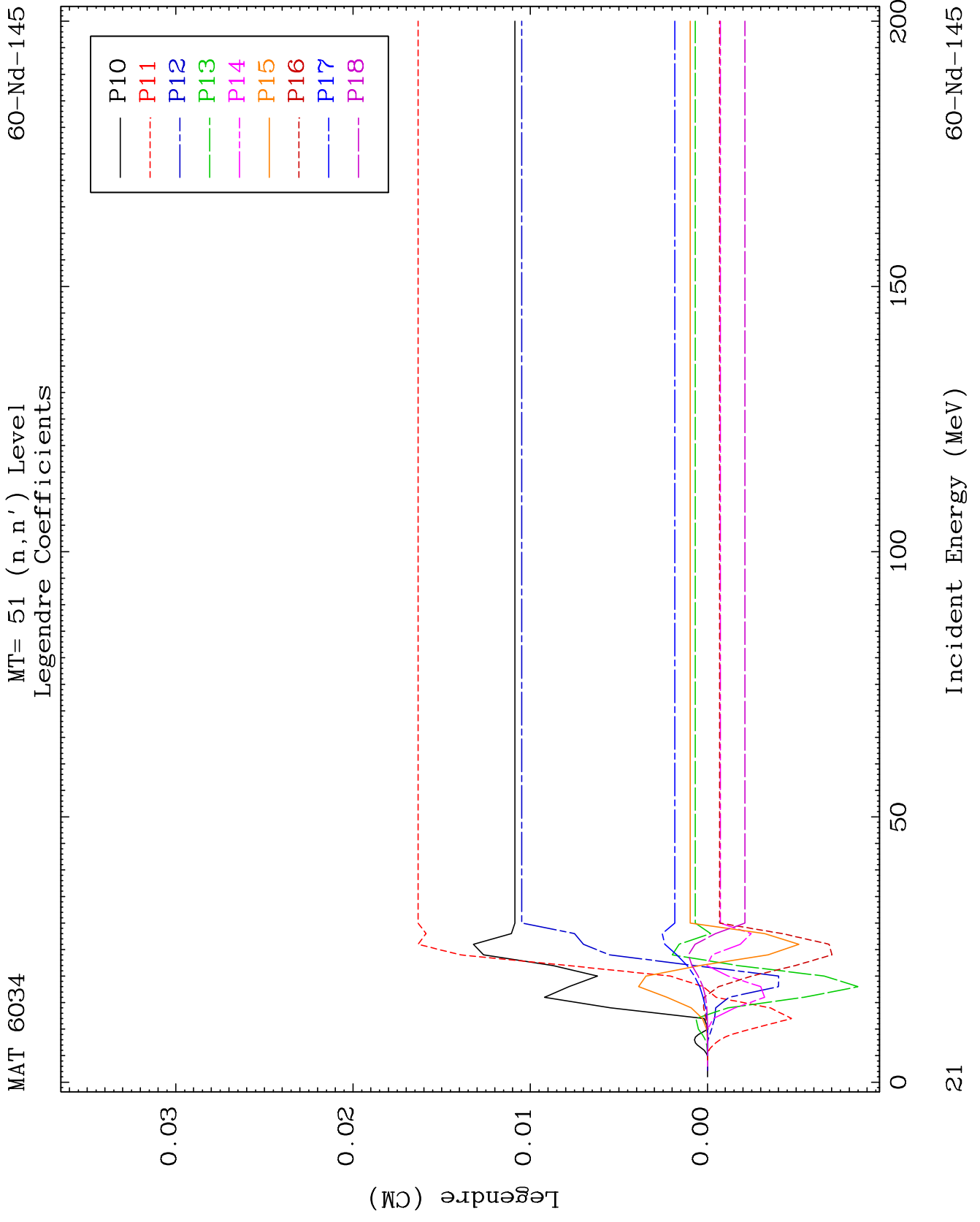
30

19

Incident Energy (MeV)

60-Nd-145

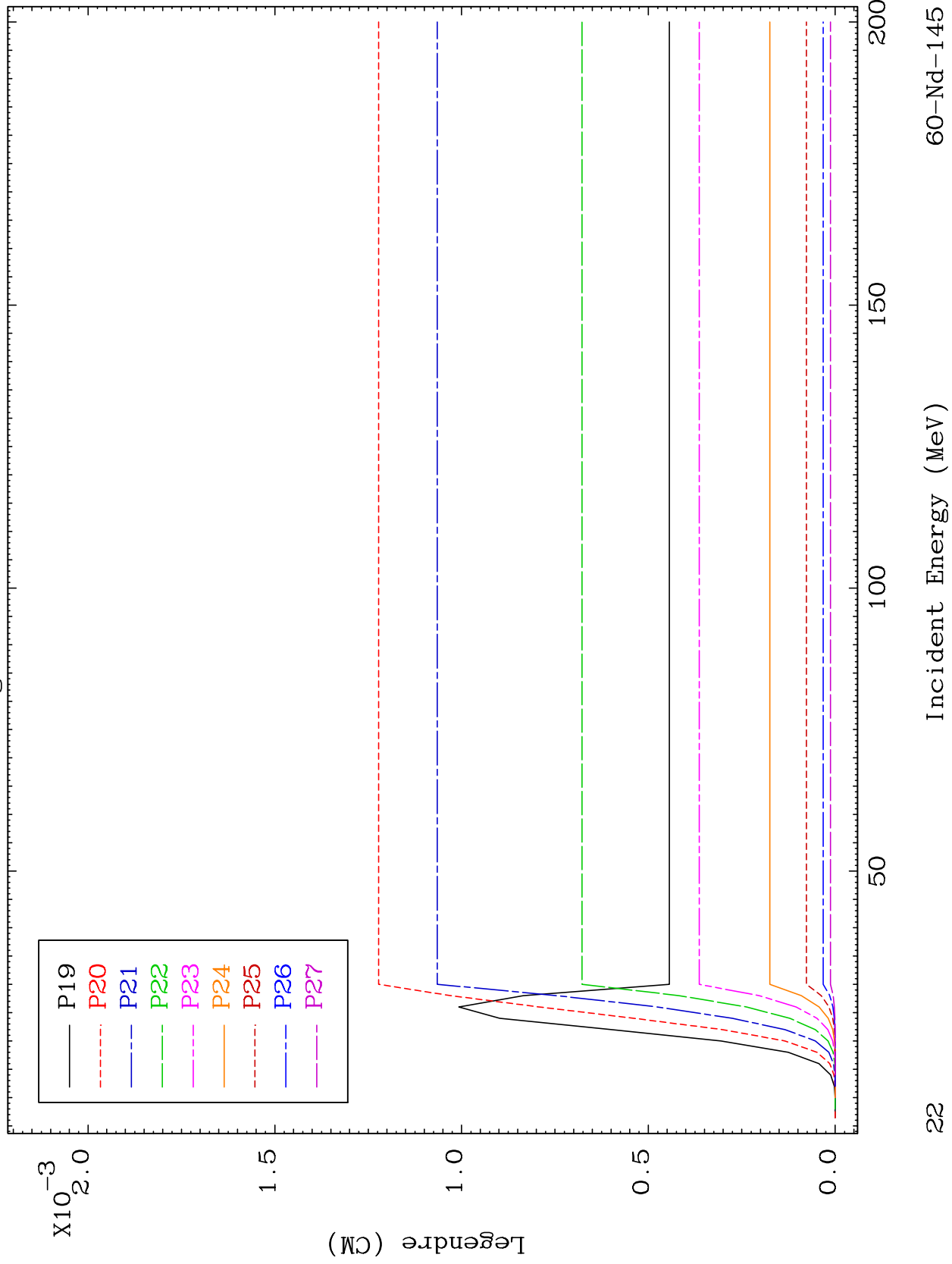




MAT 6034

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

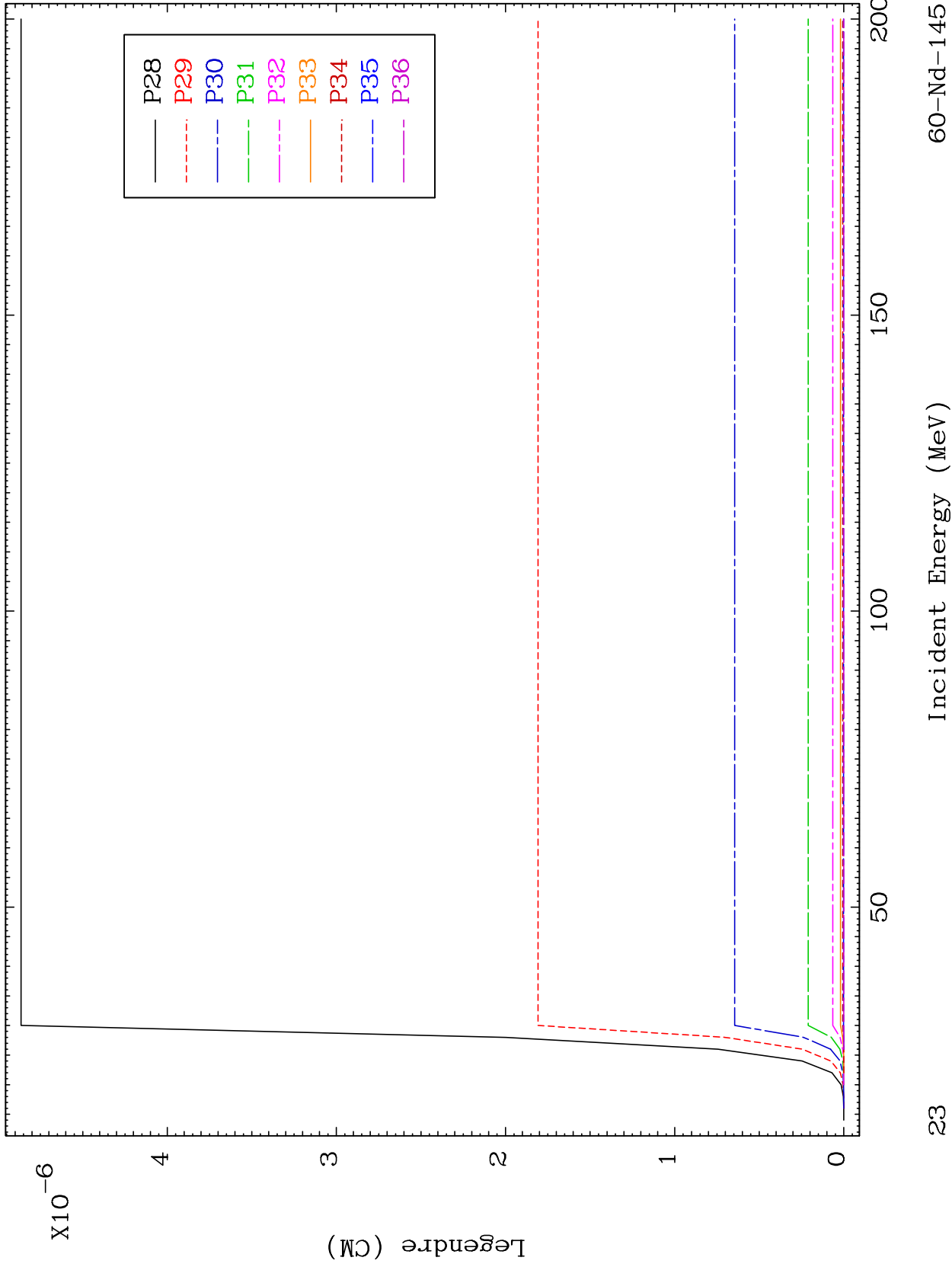
60-Nd-145



MAT 6034

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

60-Nd-145



23

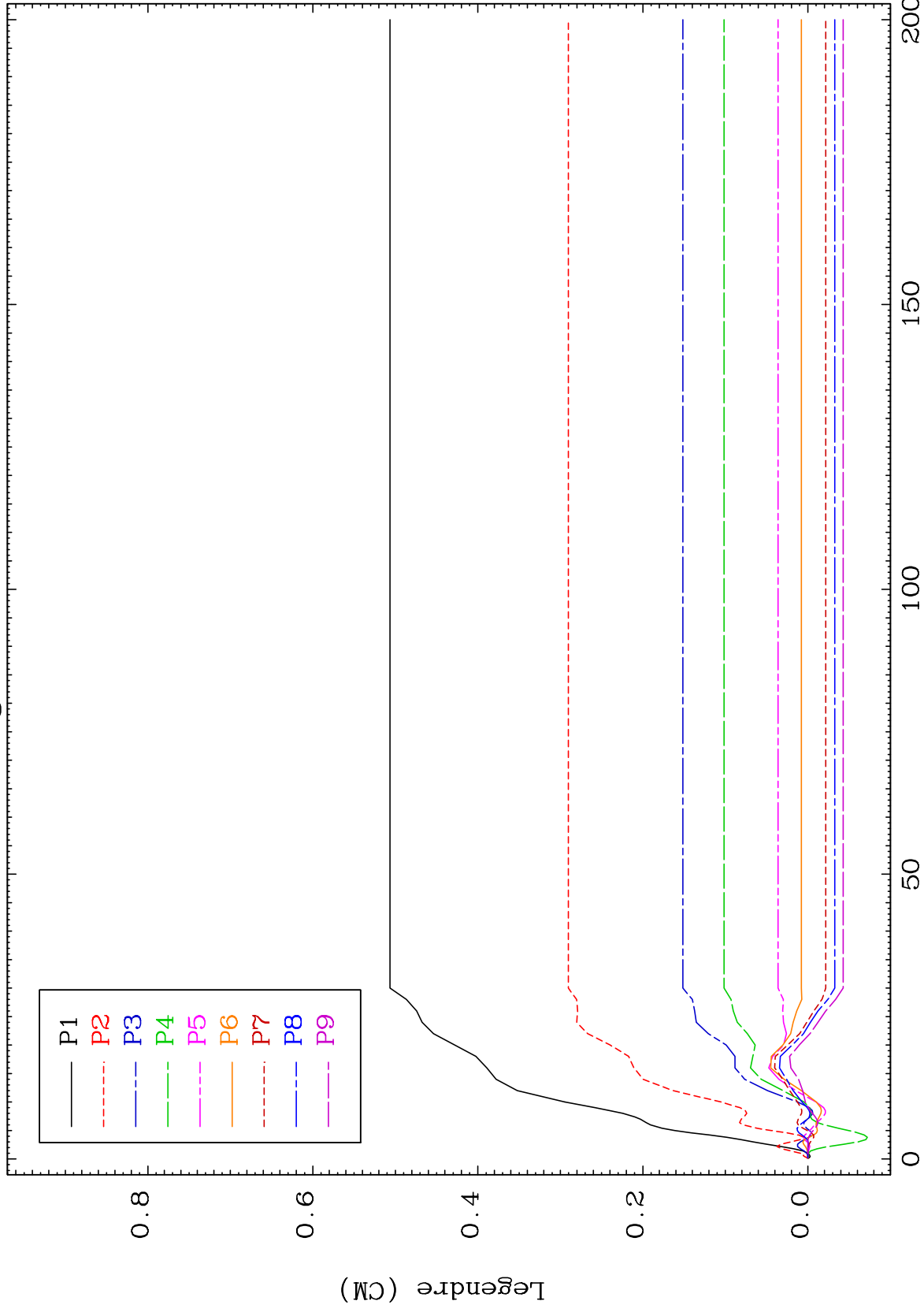
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

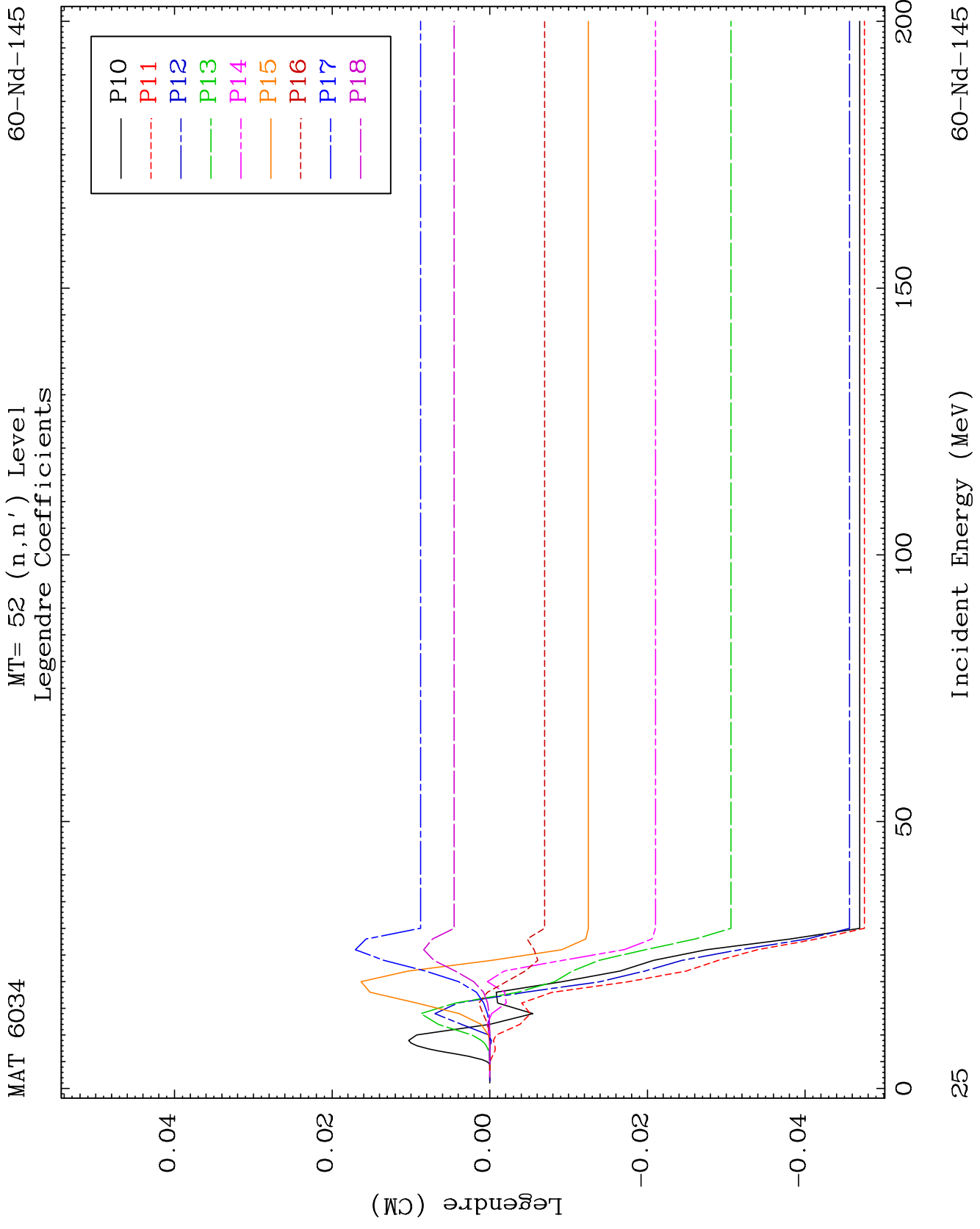
60-Nd-145



24

Incident Energy (MeV)

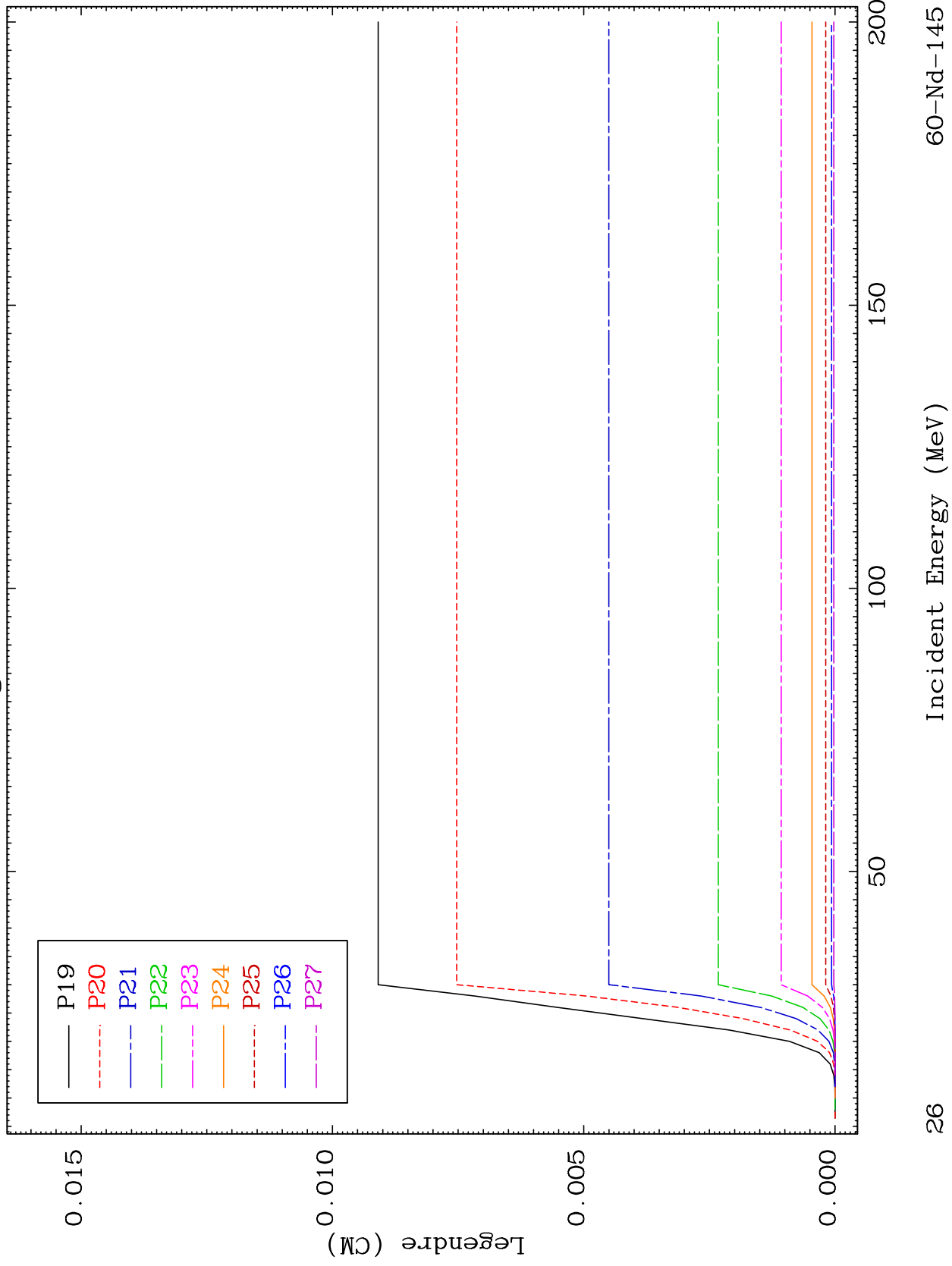
60-Nd-145



MAT 6034

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

60-Nd-145



26

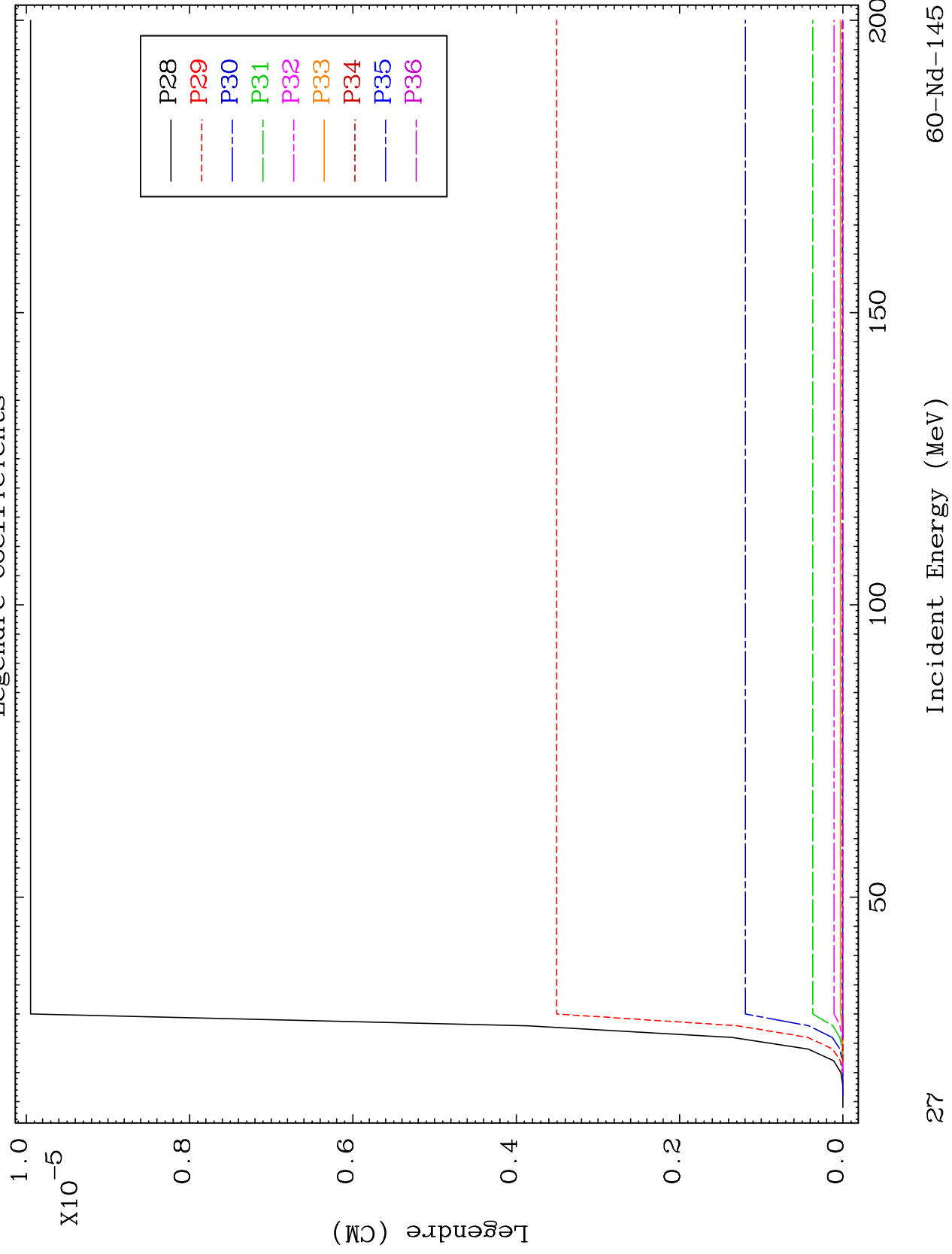
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



27

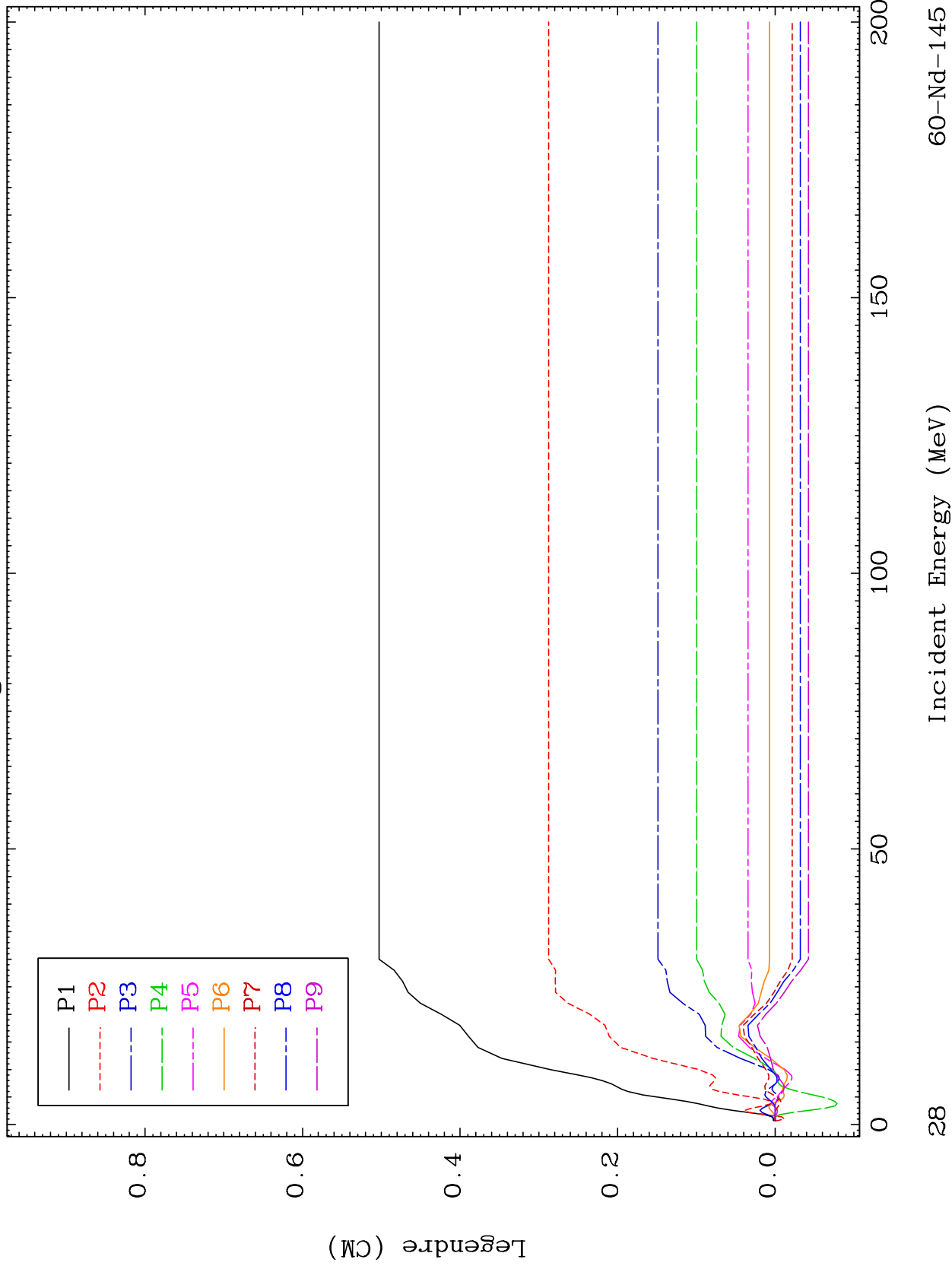
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



60-Nd-145

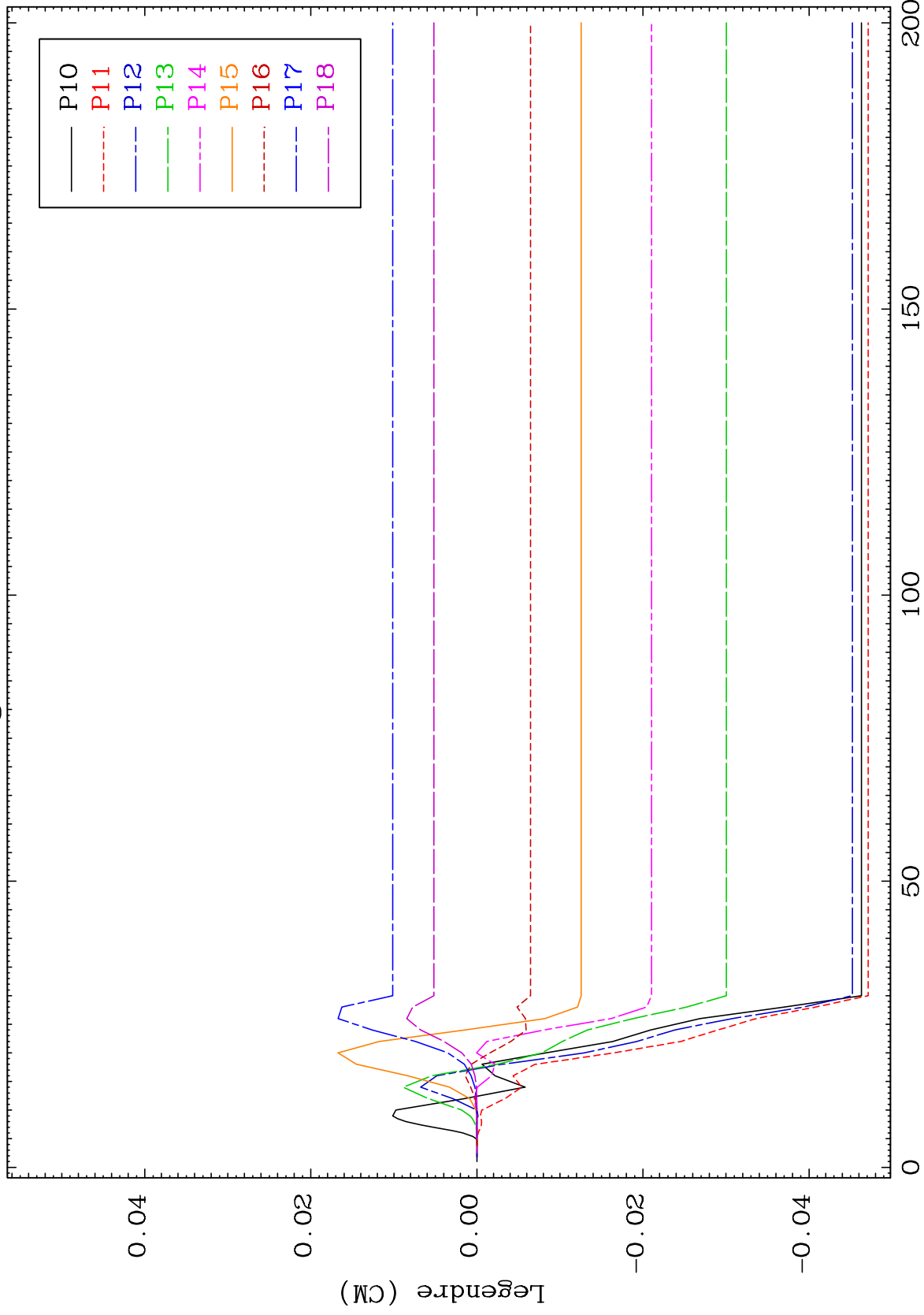
Incident Energy (MeV)

28

MAT 6034

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

60-Nd-145



29

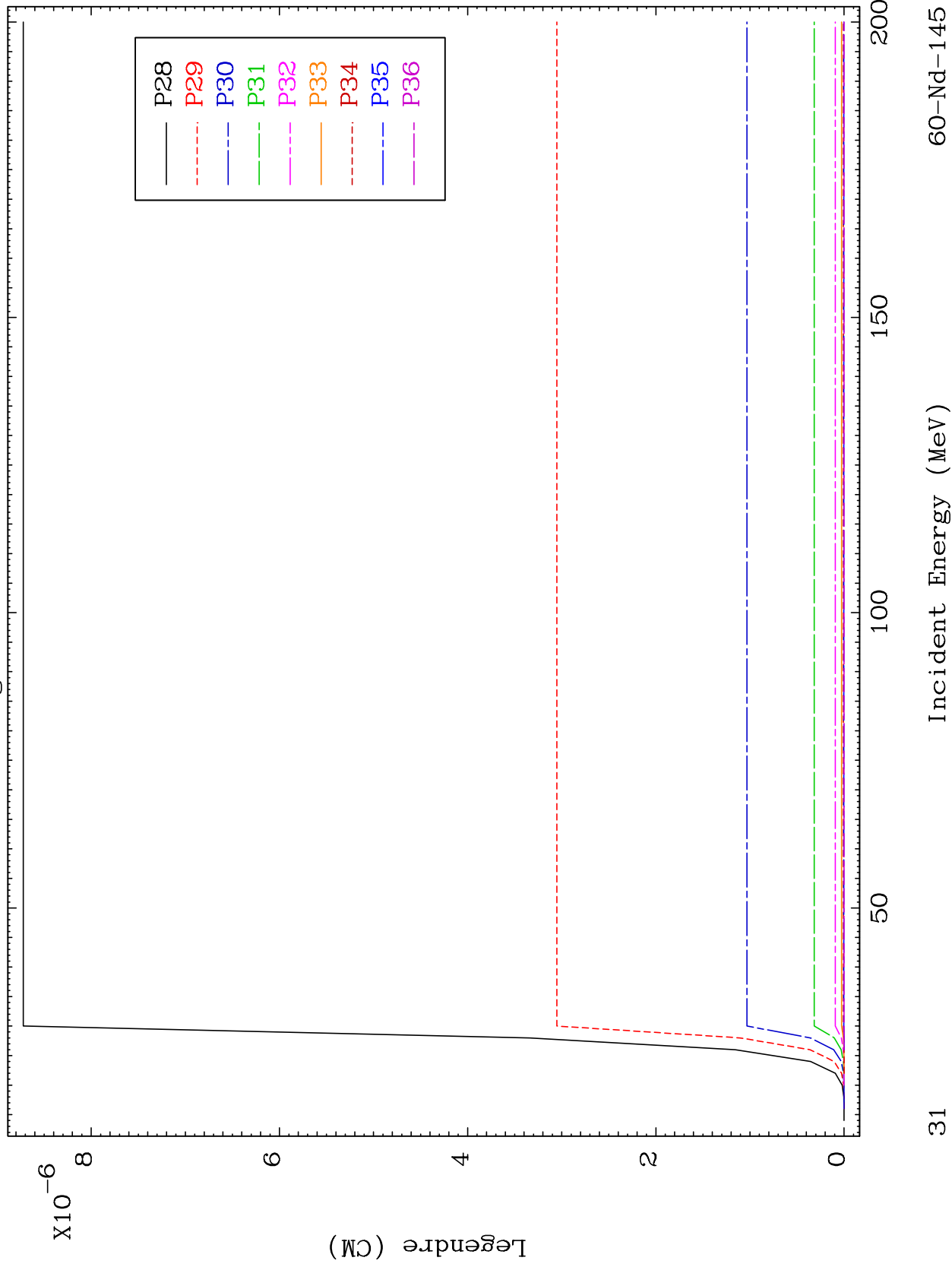
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

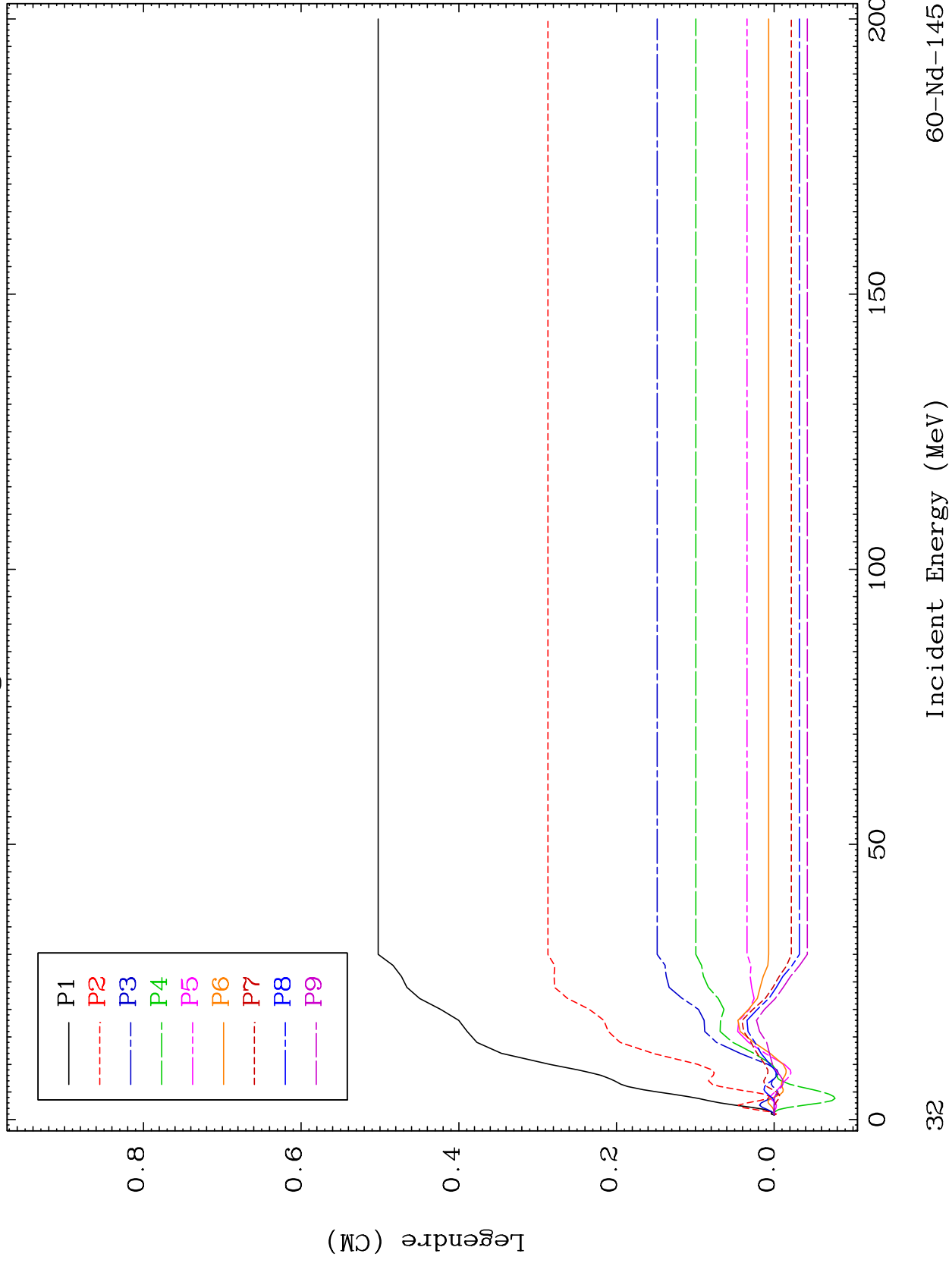
60-Nd-145



MAT 6034

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

60-Nd-145



32

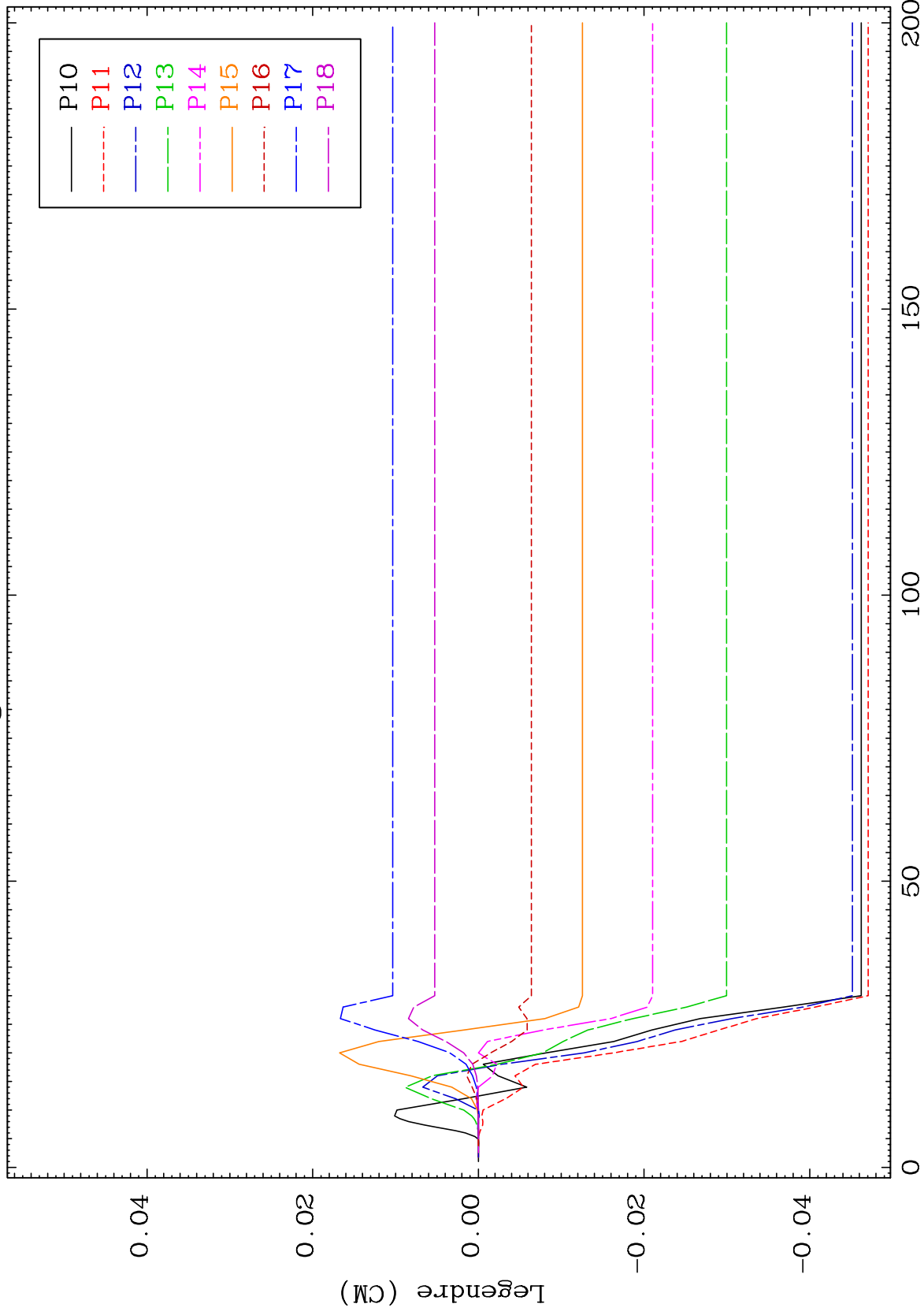
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



33

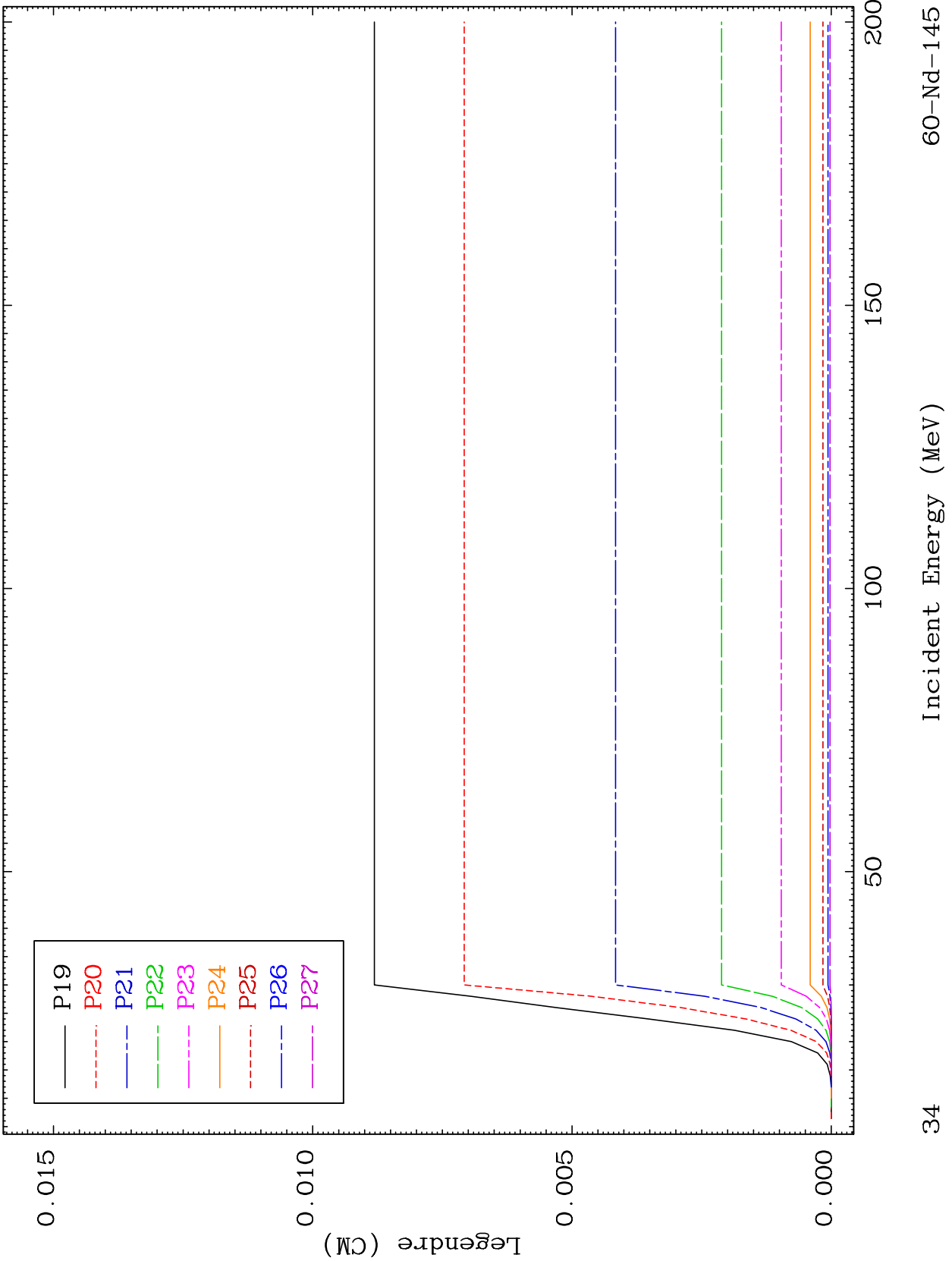
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



34

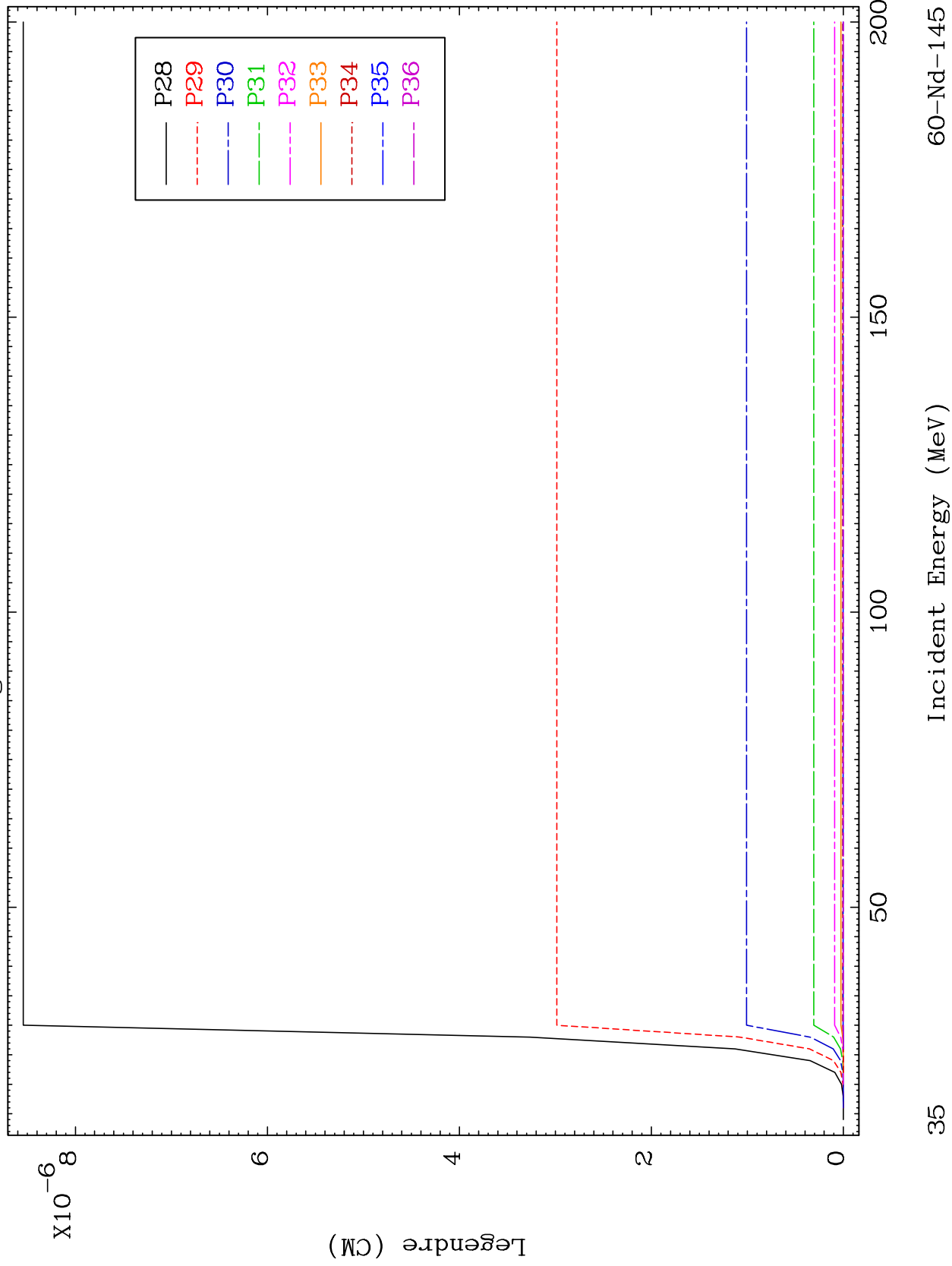
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

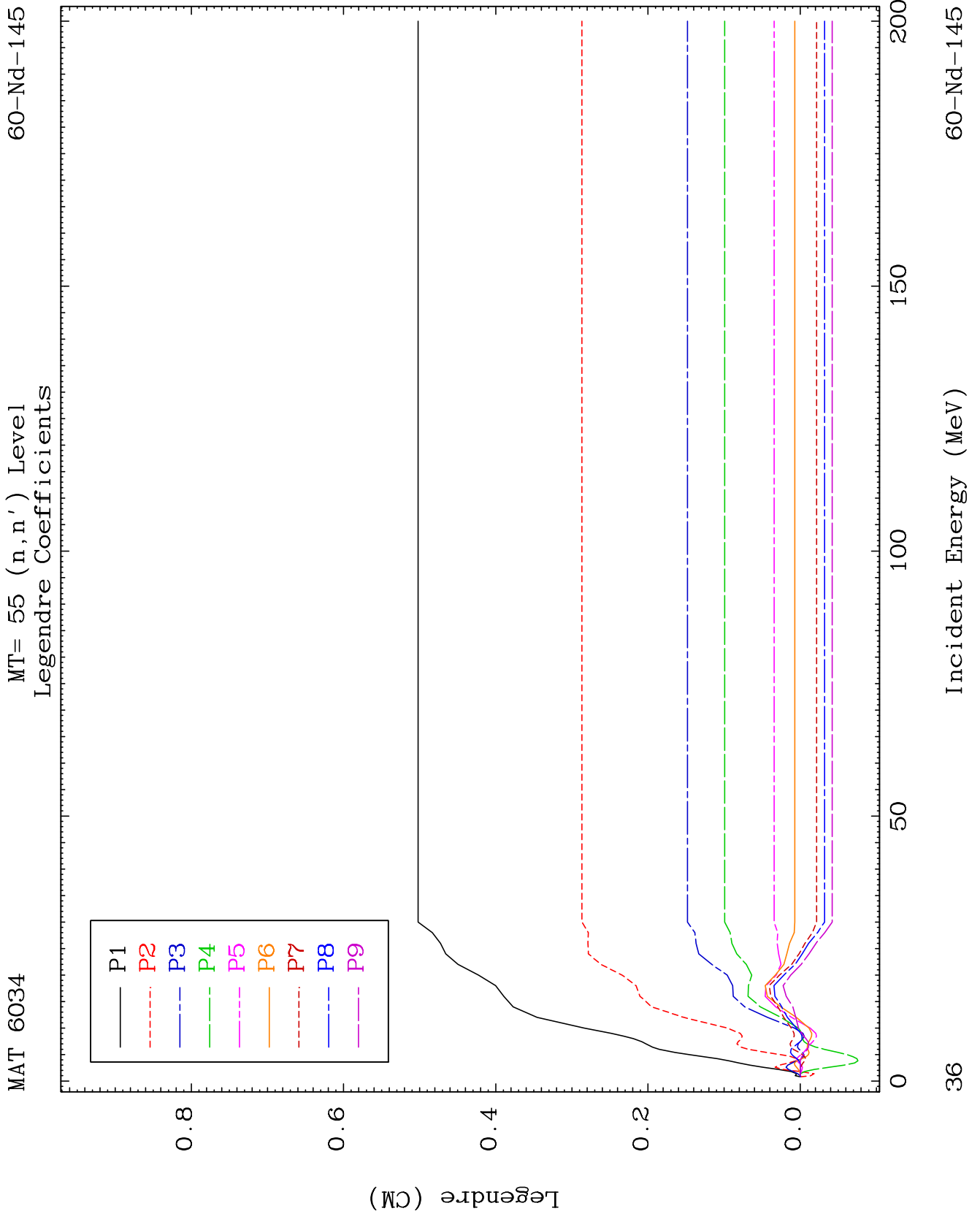
60-Nd-145



35

Incident Energy (MeV)

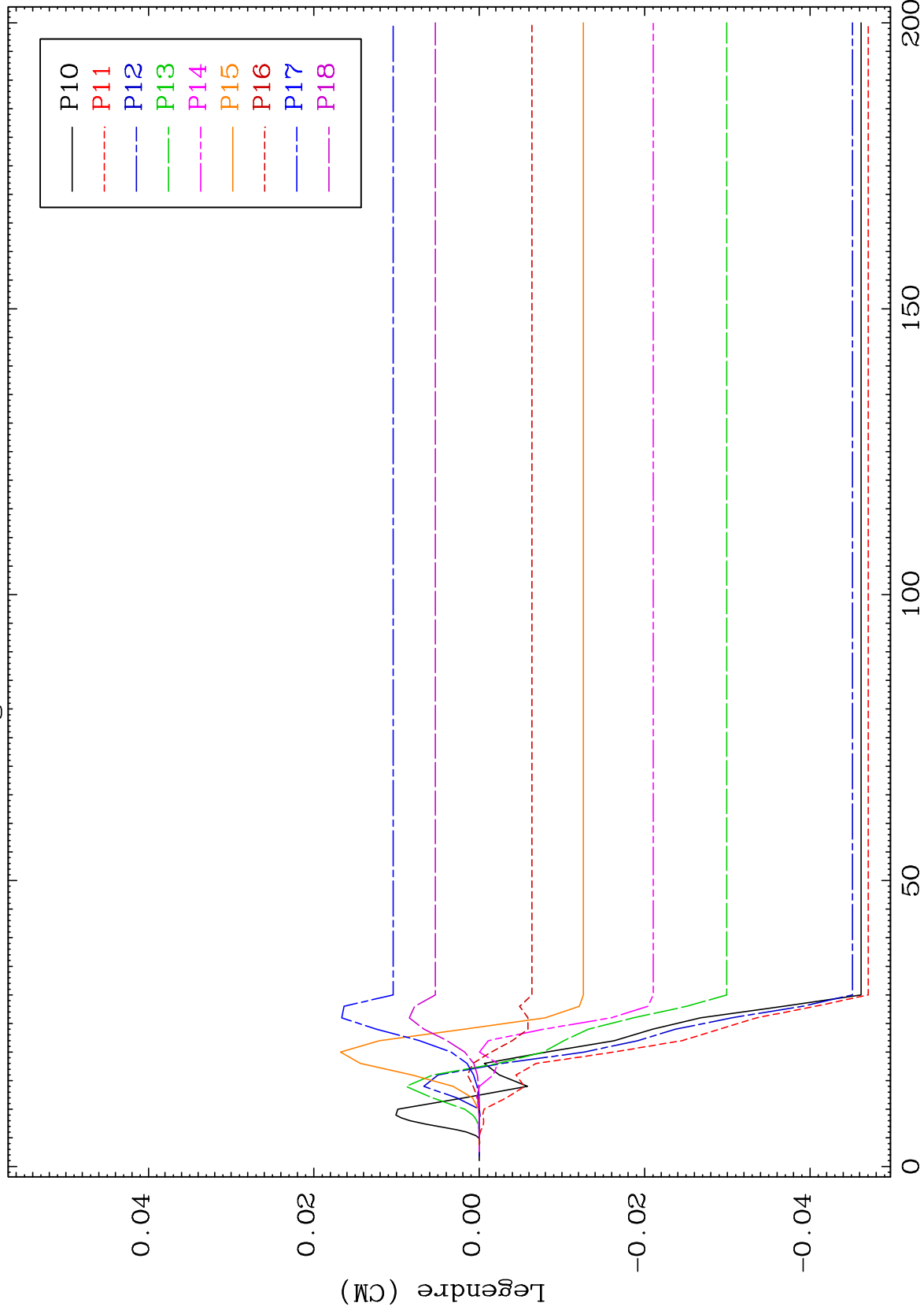
60-Nd-145



MAT 6034

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

60-Nd-145



37

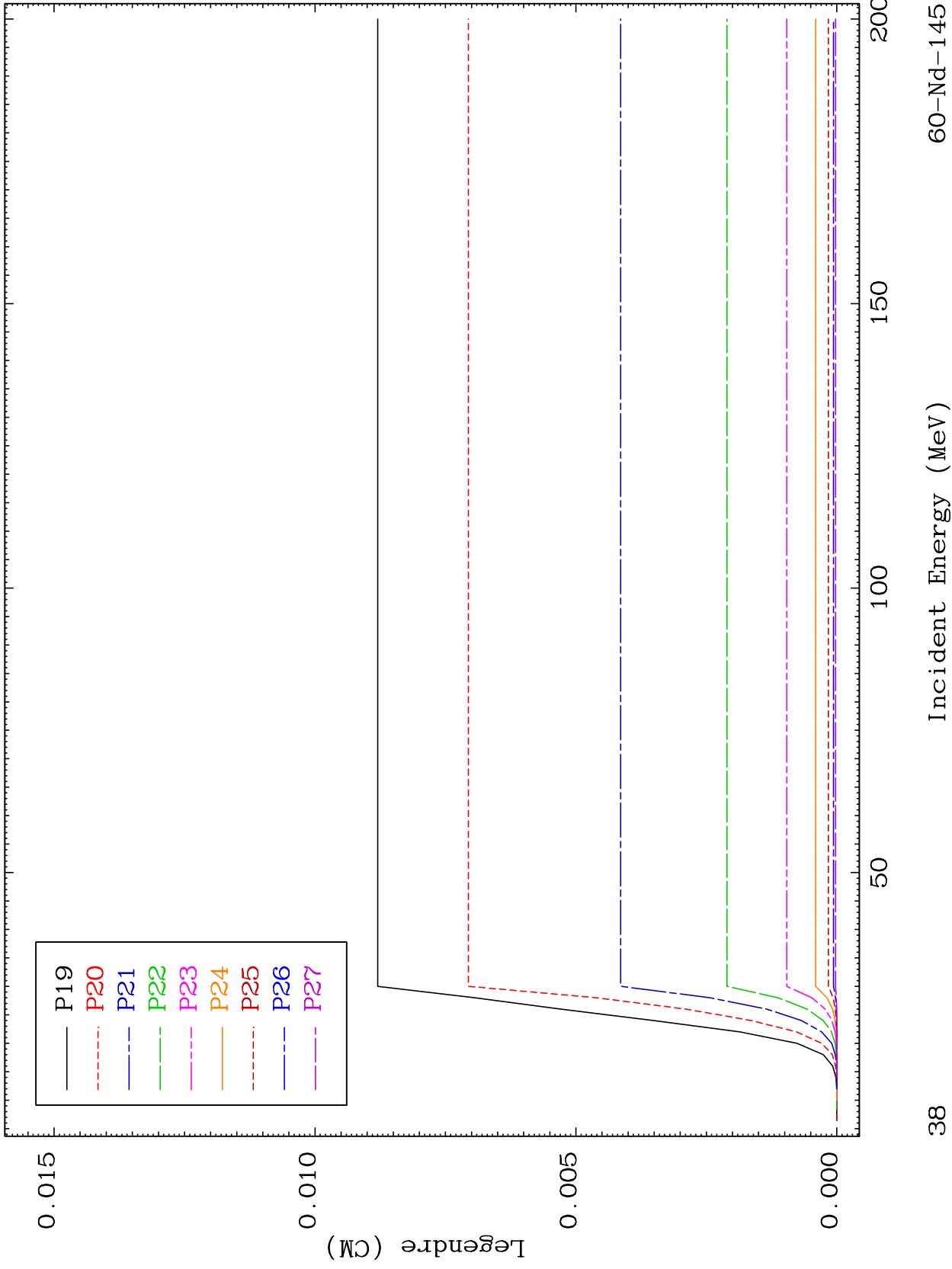
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



38

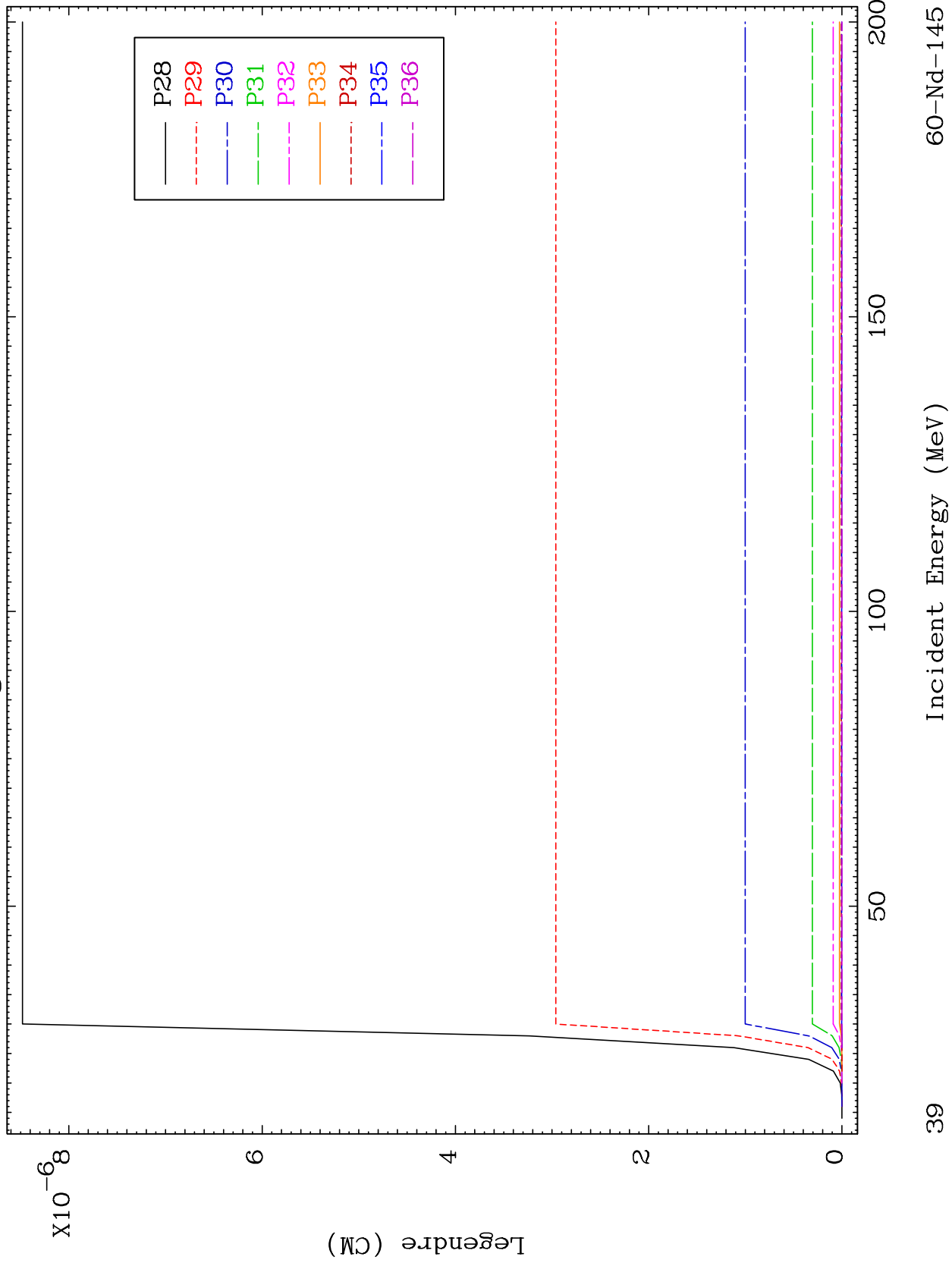
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



39

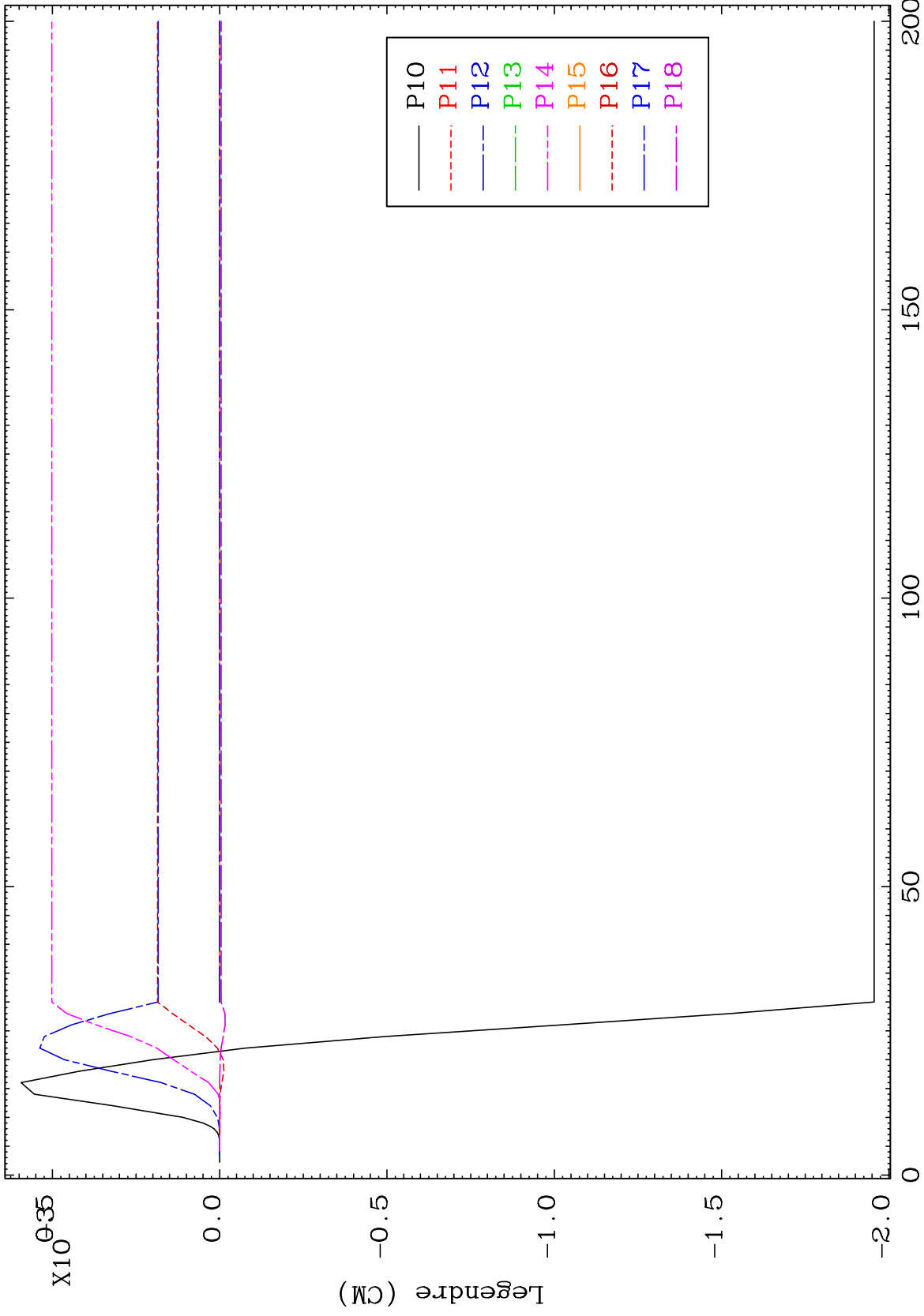
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

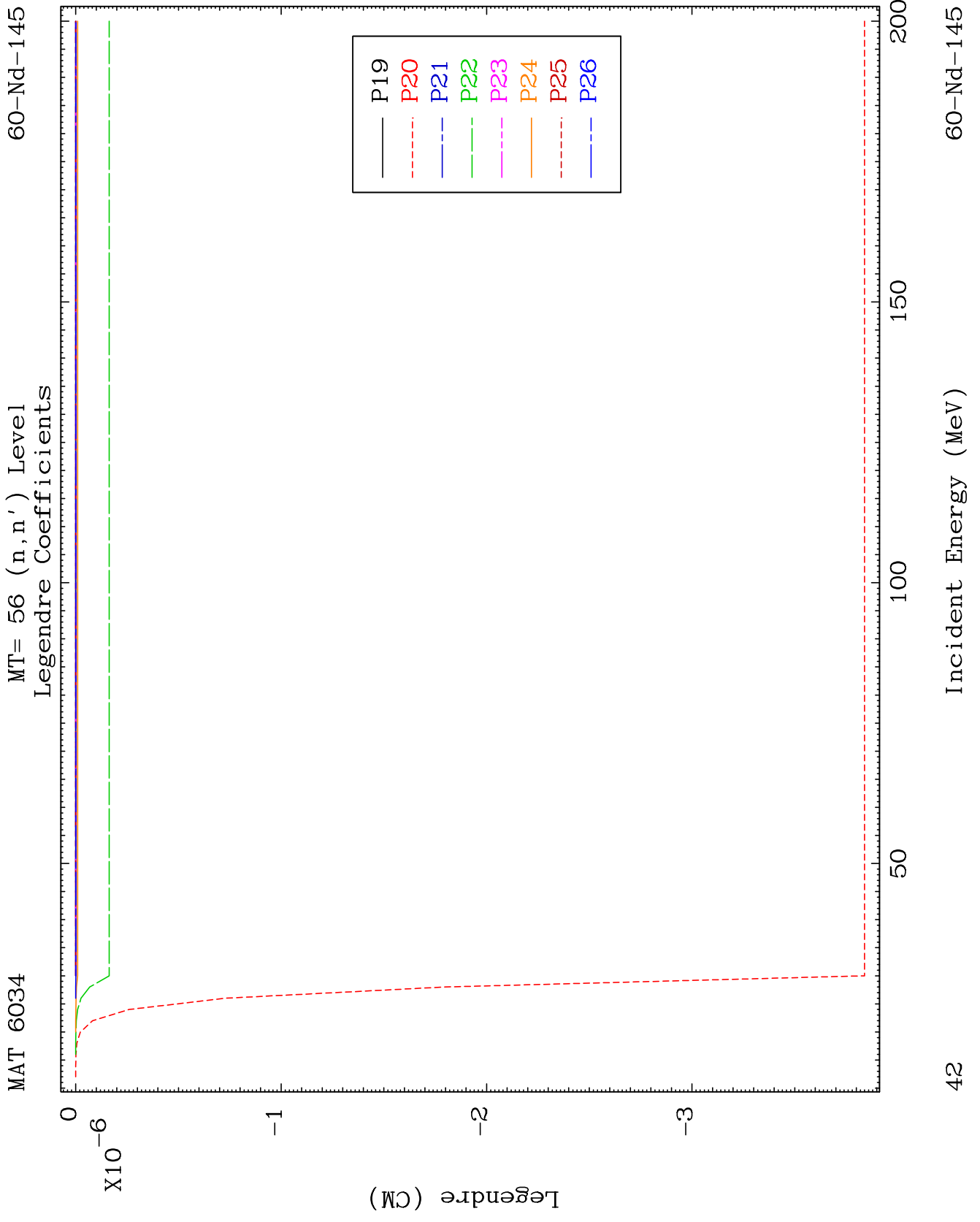
60-Nd-145



41

Incident Energy (MeV)

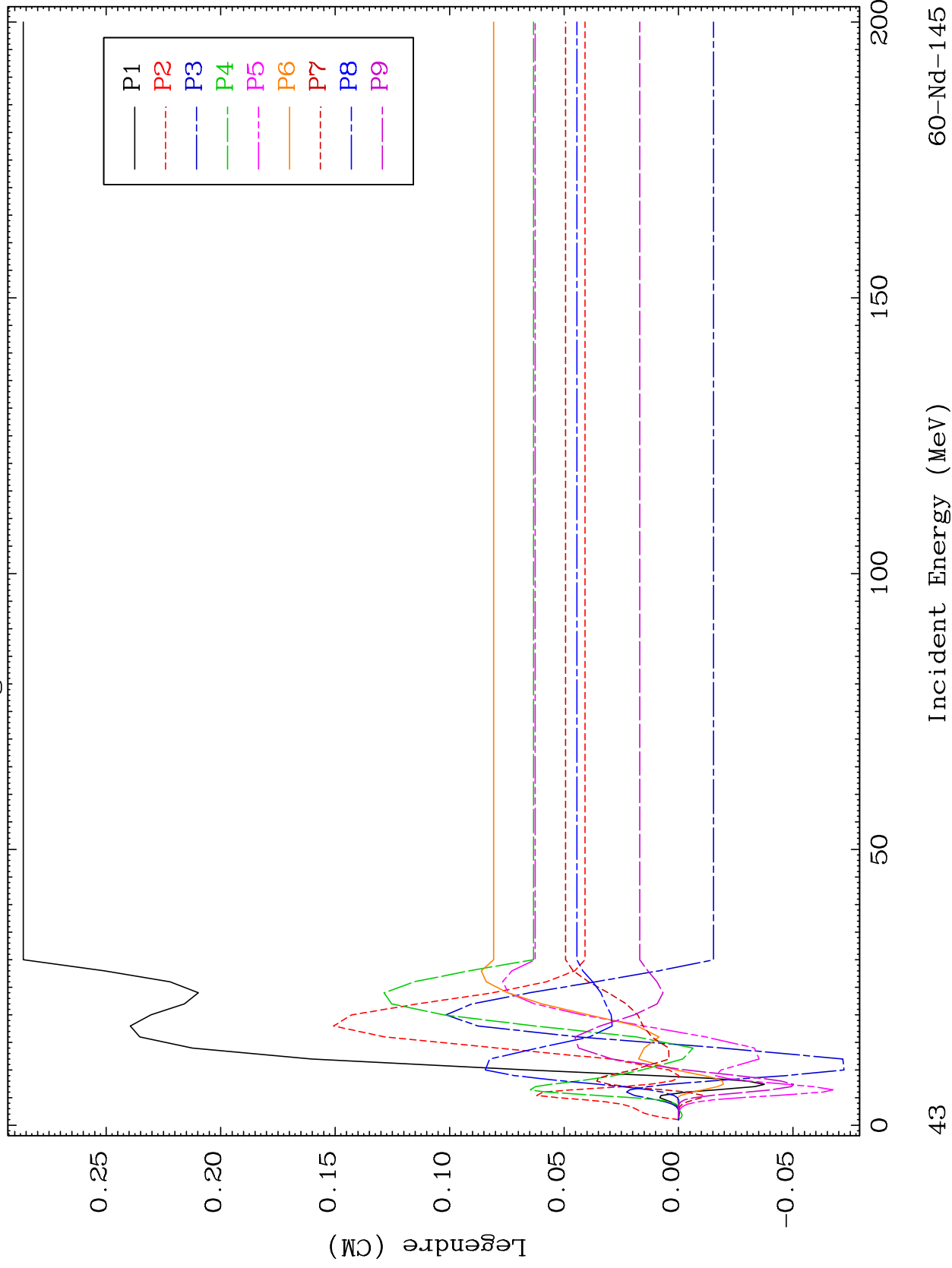
60-Nd-145



MAT 6034

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

60-Nd-145



43

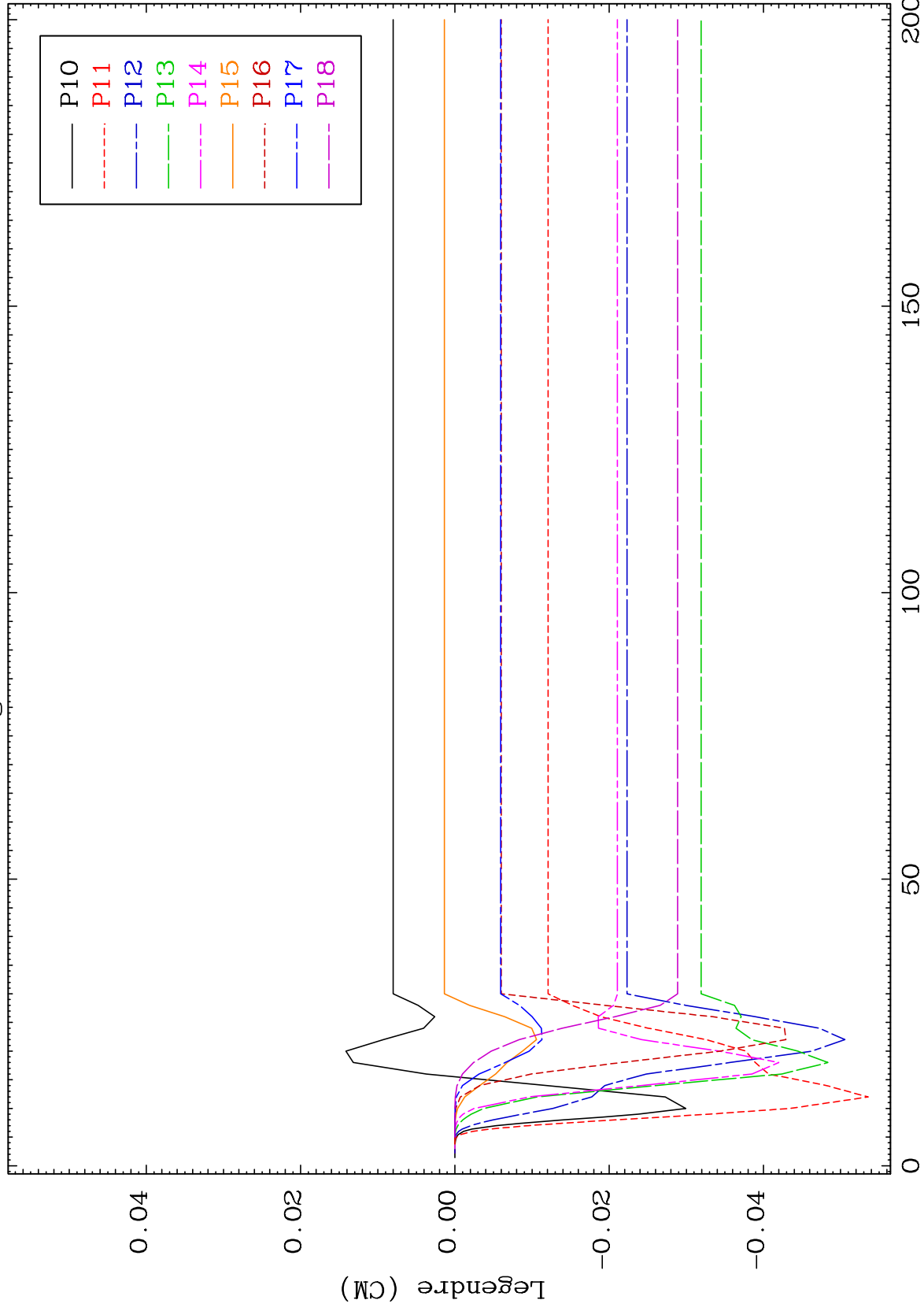
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

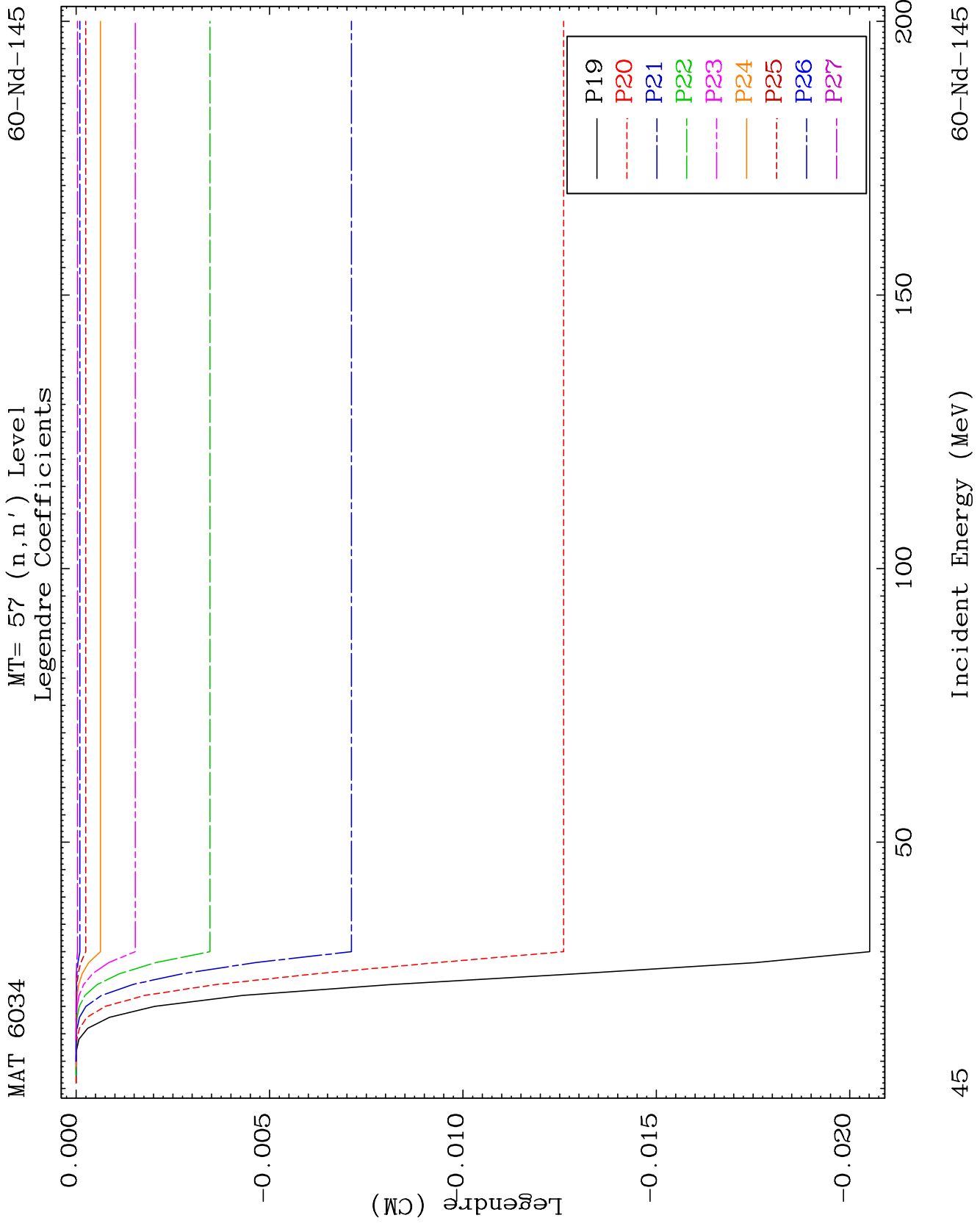
60-Nd-145

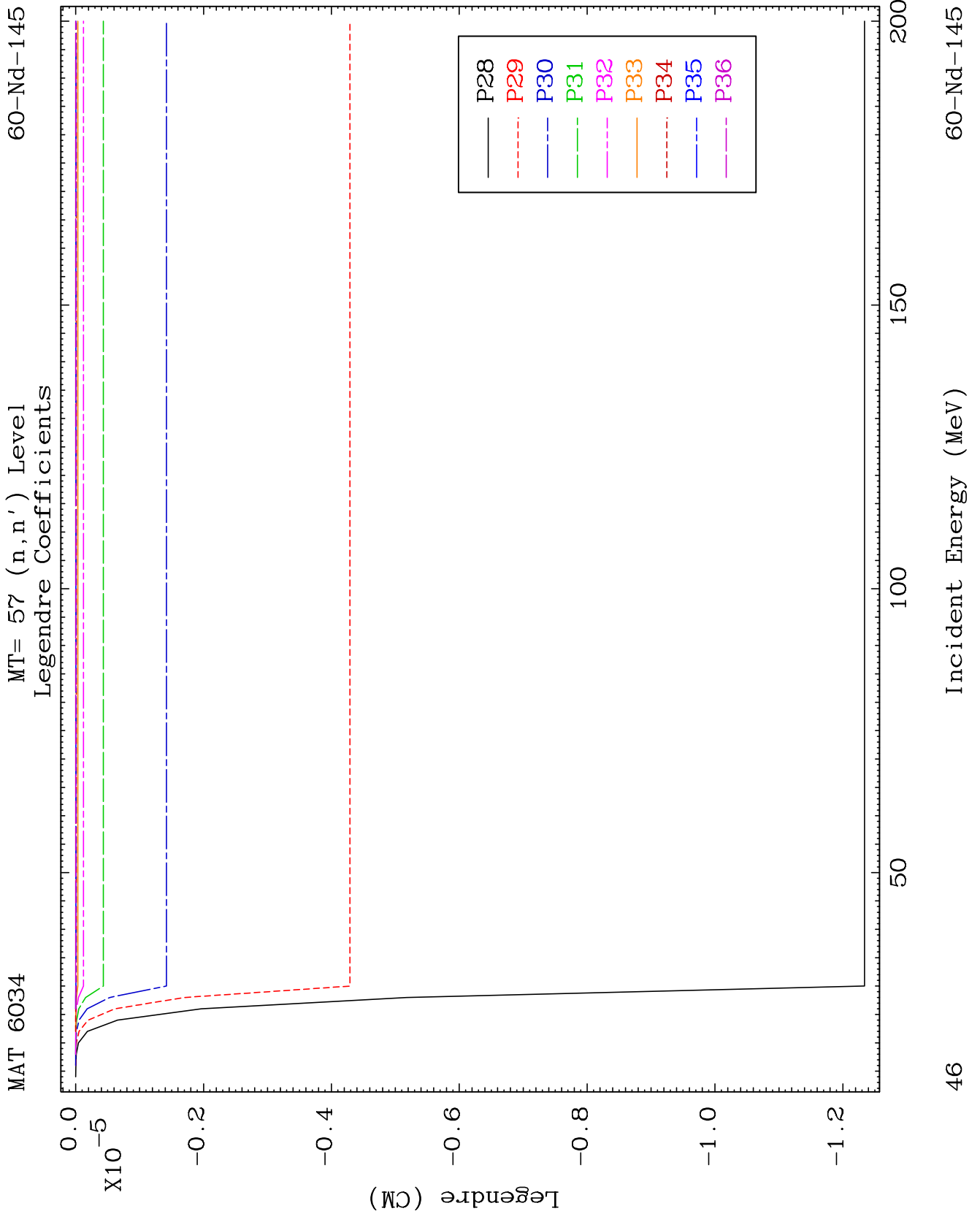


44

Incident Energy (MeV)

60-Nd-145

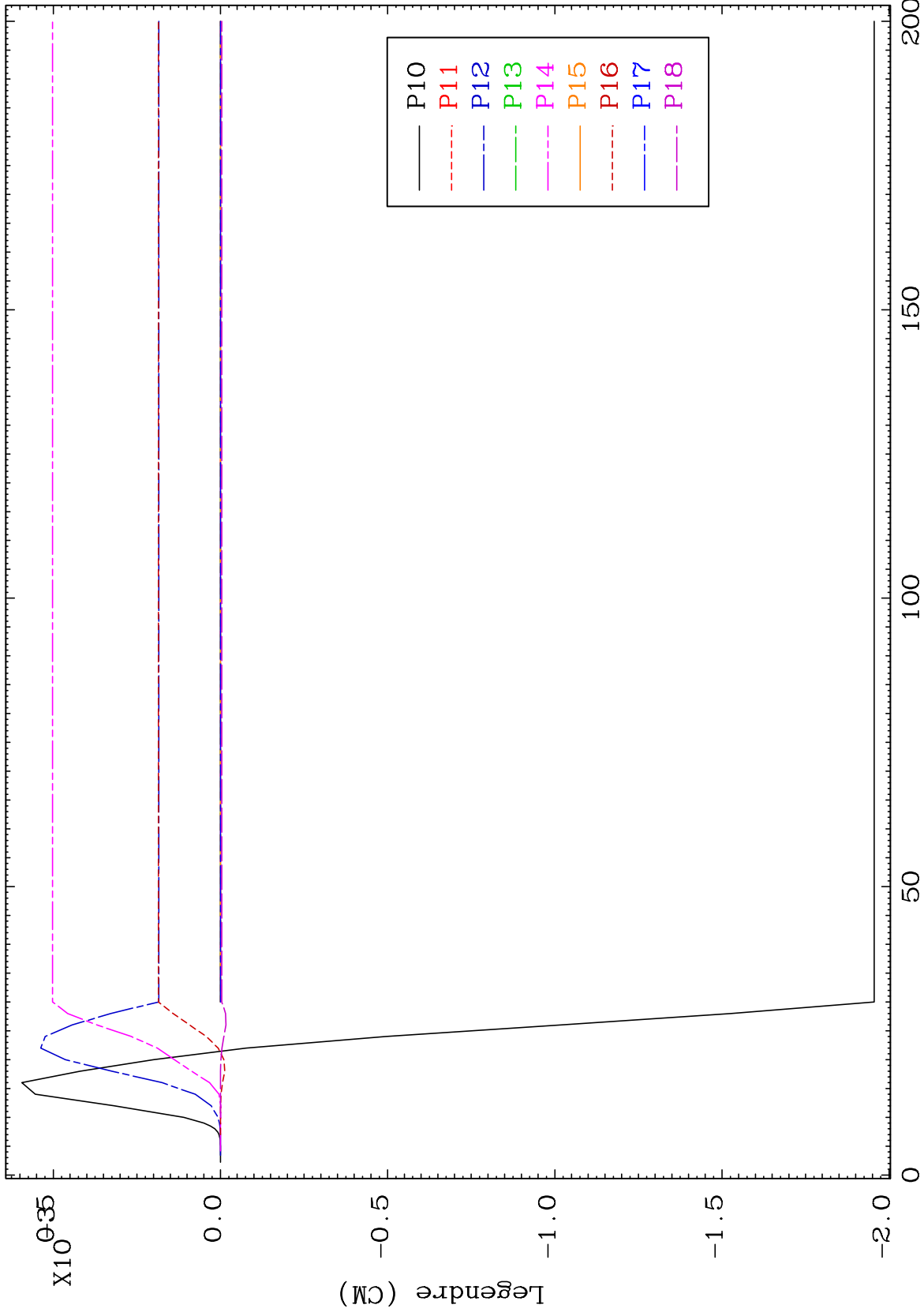




MAT 6034

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

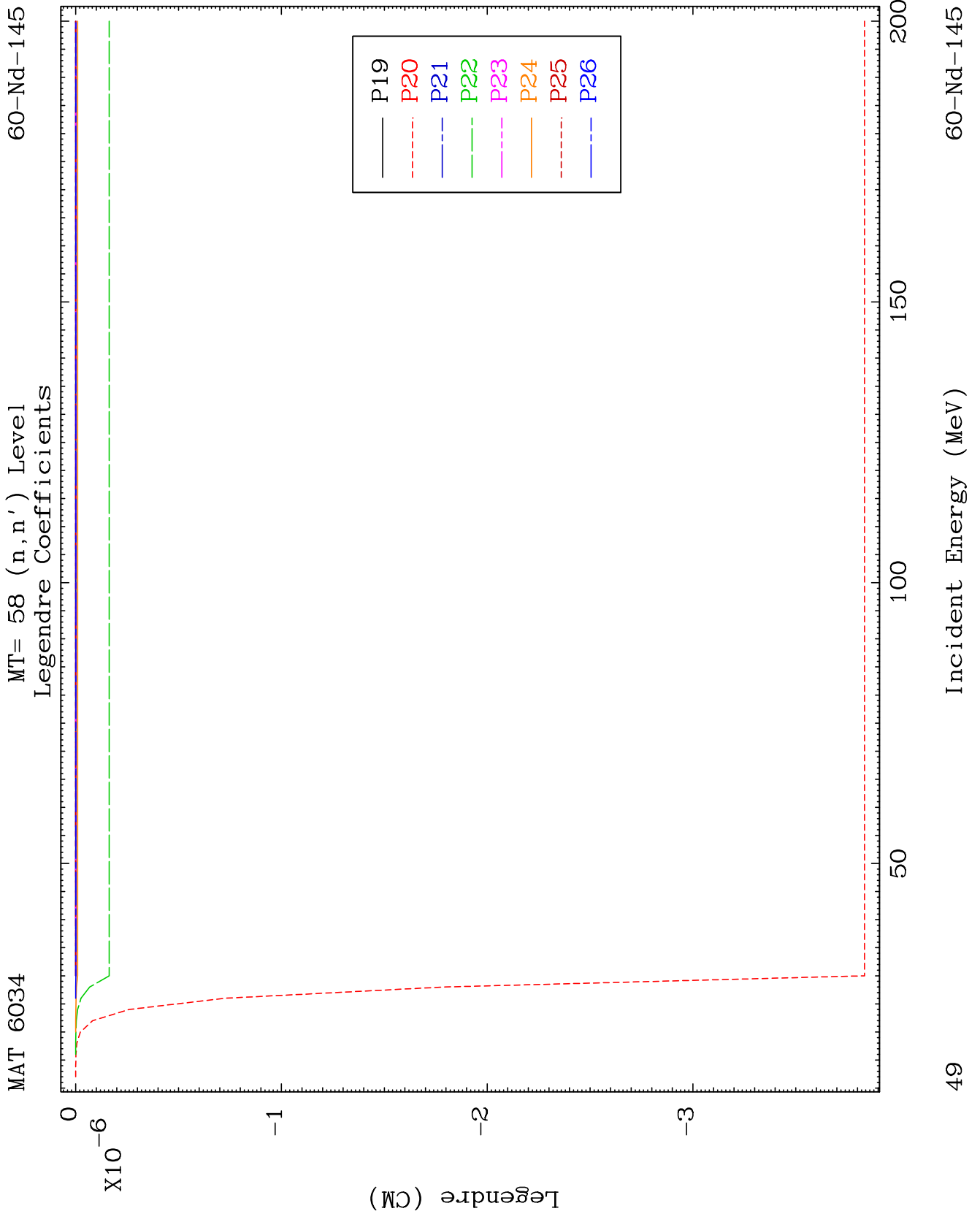
60-Nd-145



48

Incident Energy (MeV)

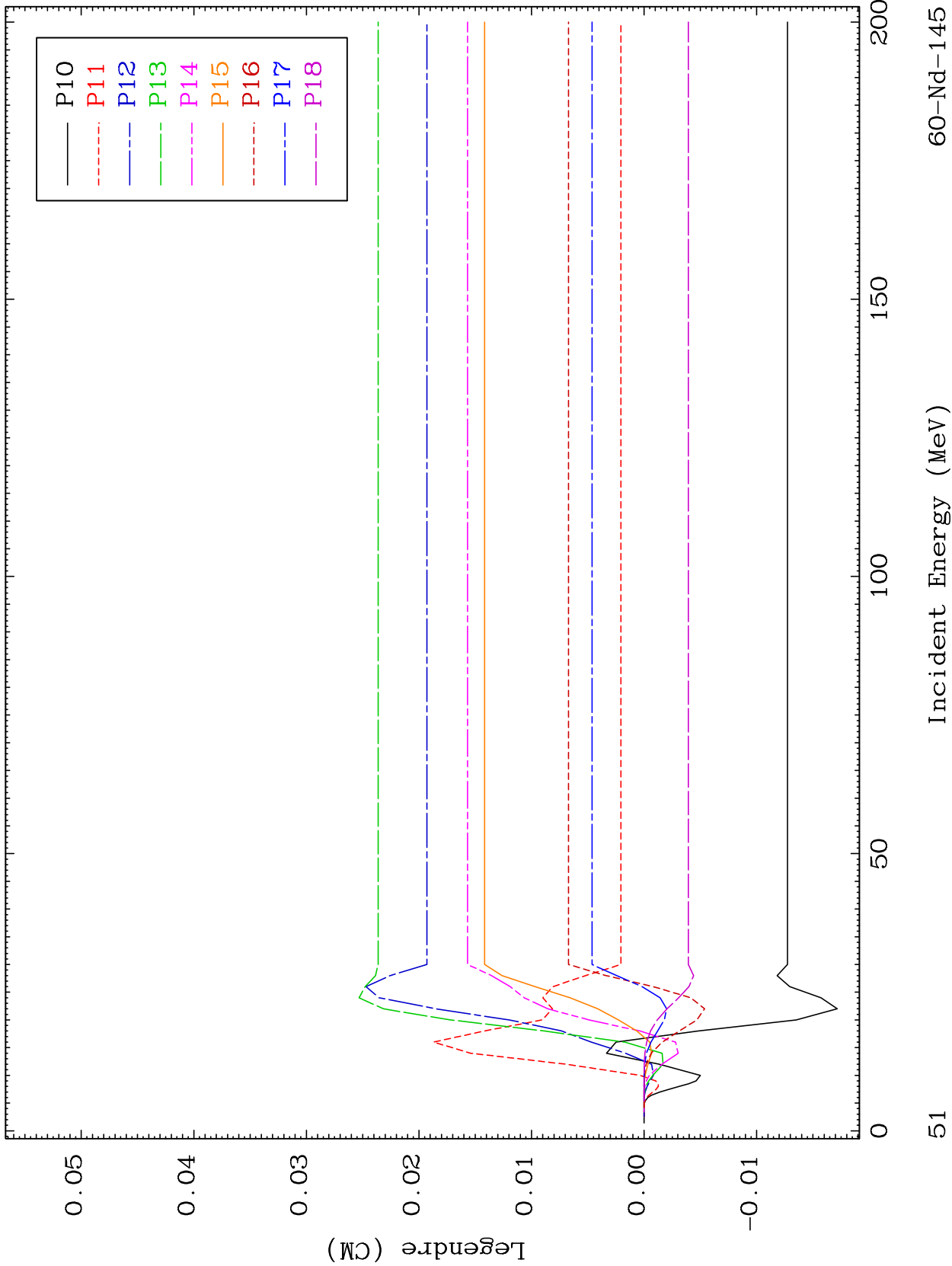
60-Nd-145



MAT 6034

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

60-Nd-145



60-Nd-145

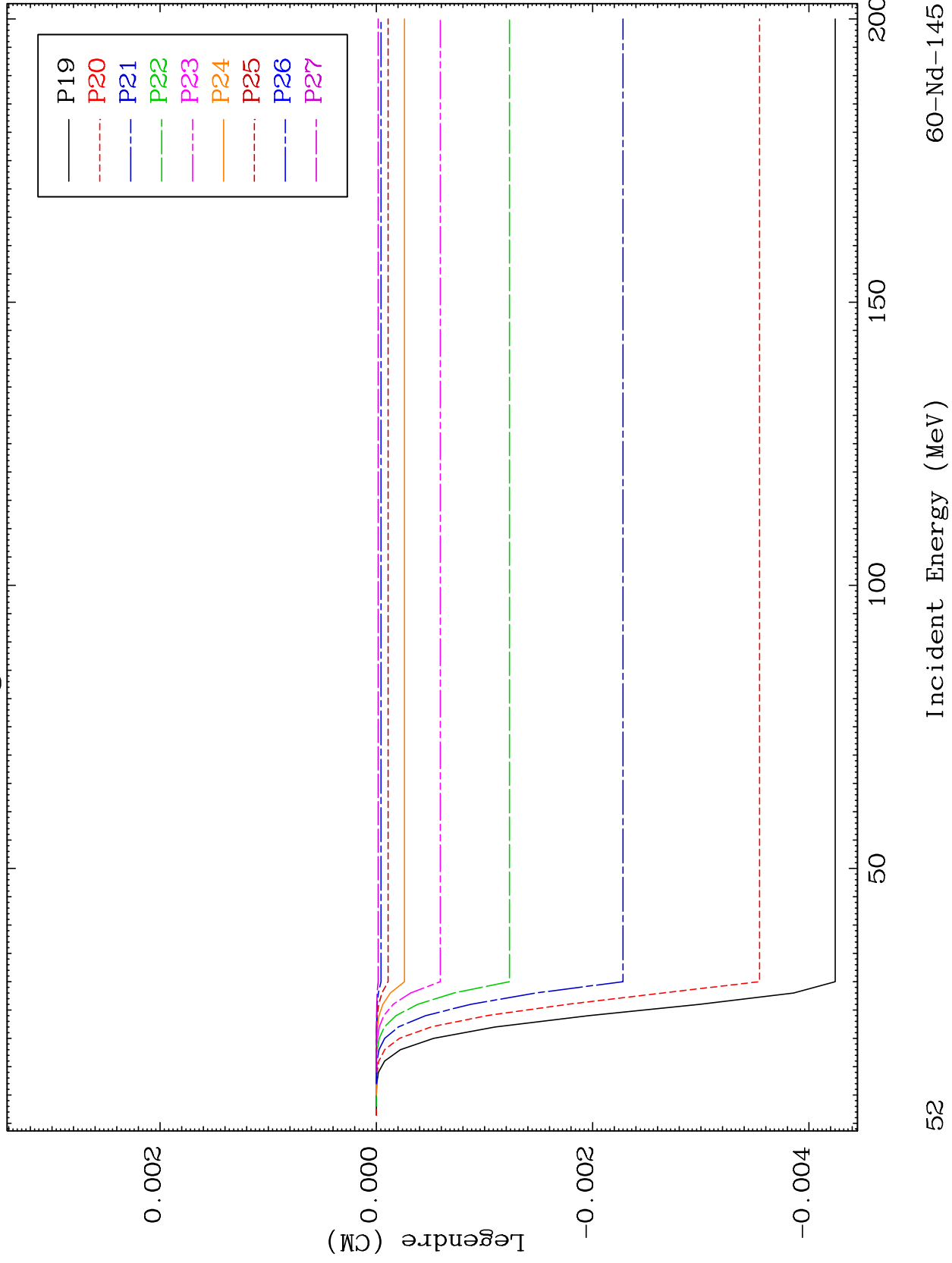
Incident Energy (MeV)

51

MAT 6034

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

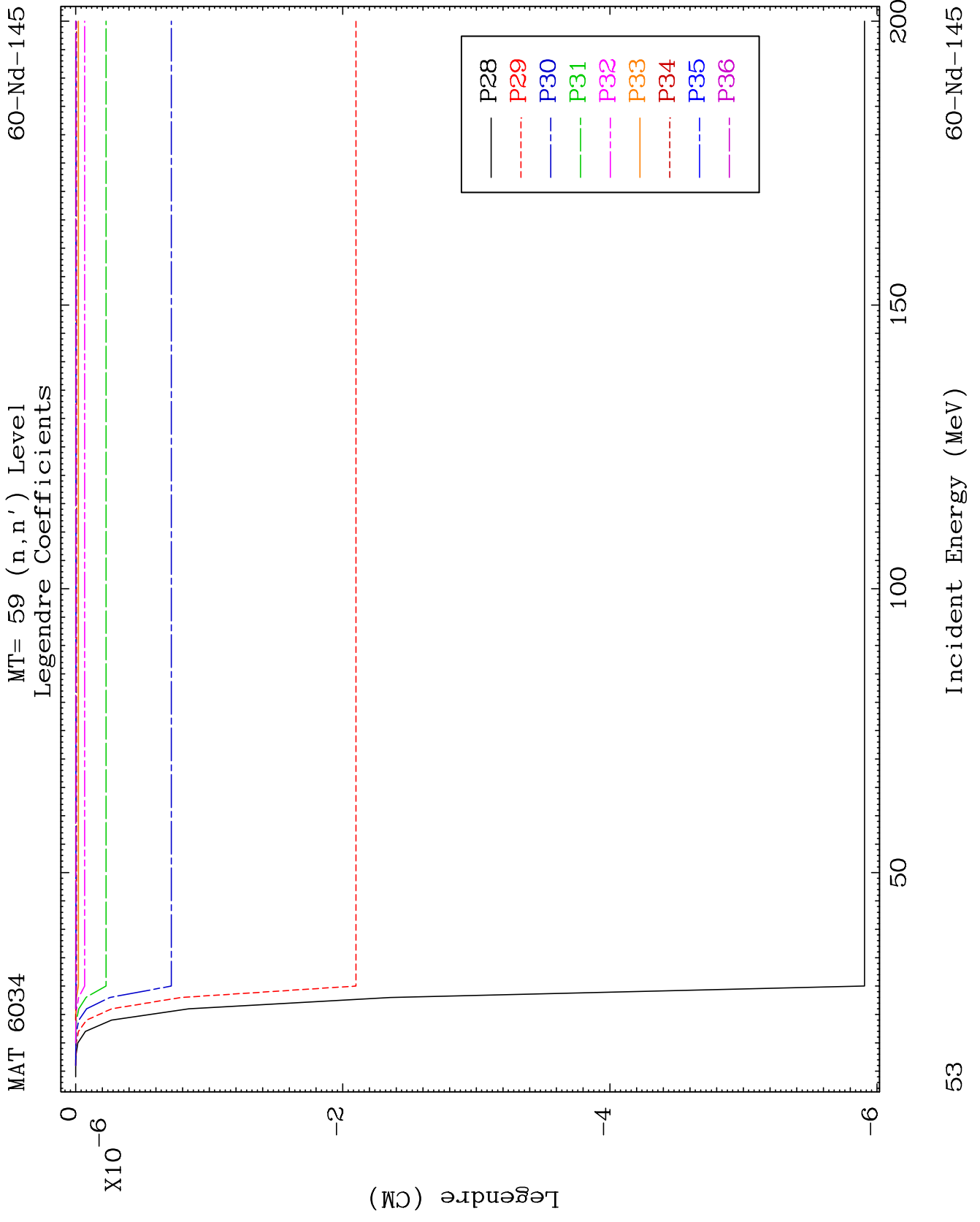
60-Nd-145

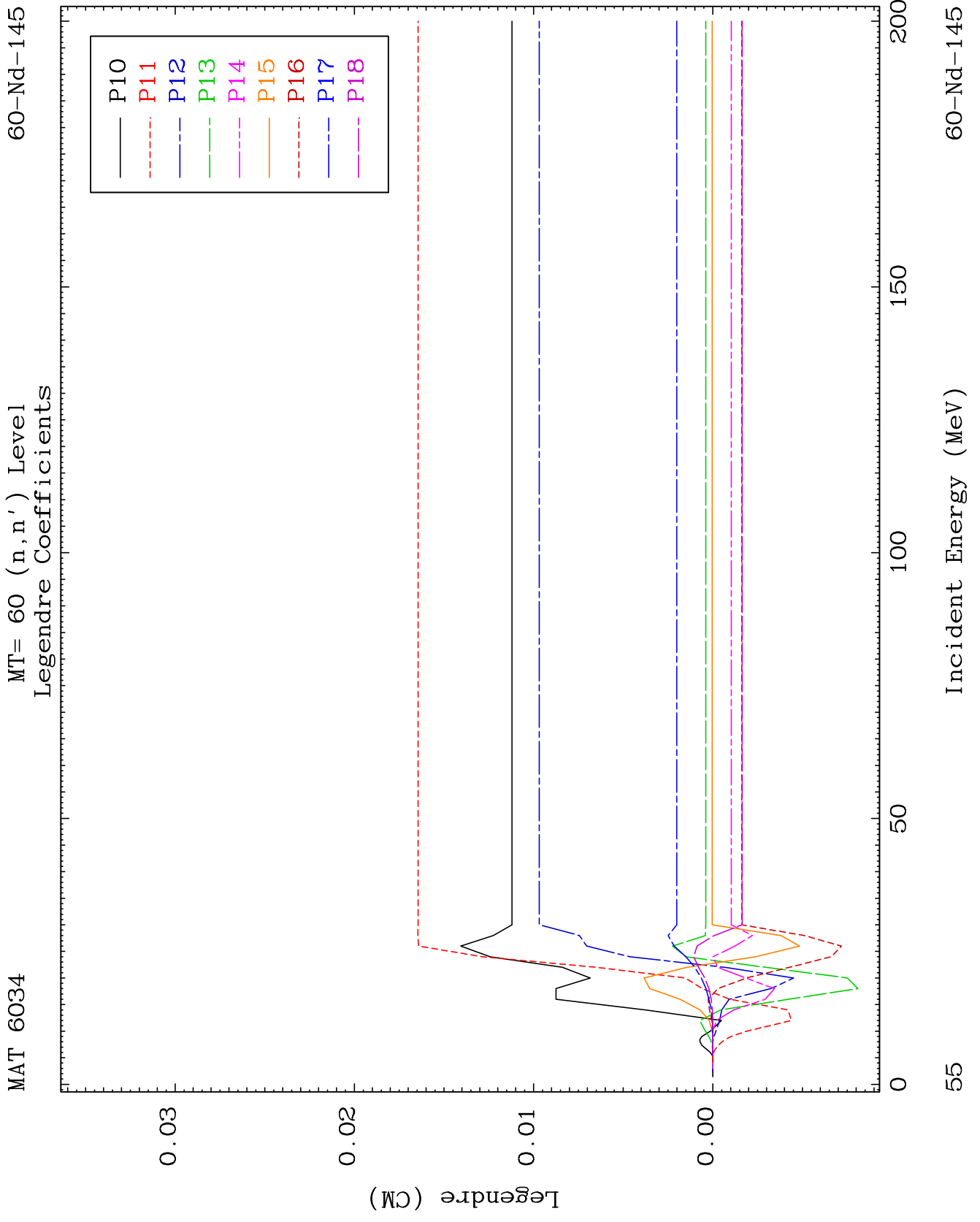


52

Incident Energy (MeV)

60-Nd-145

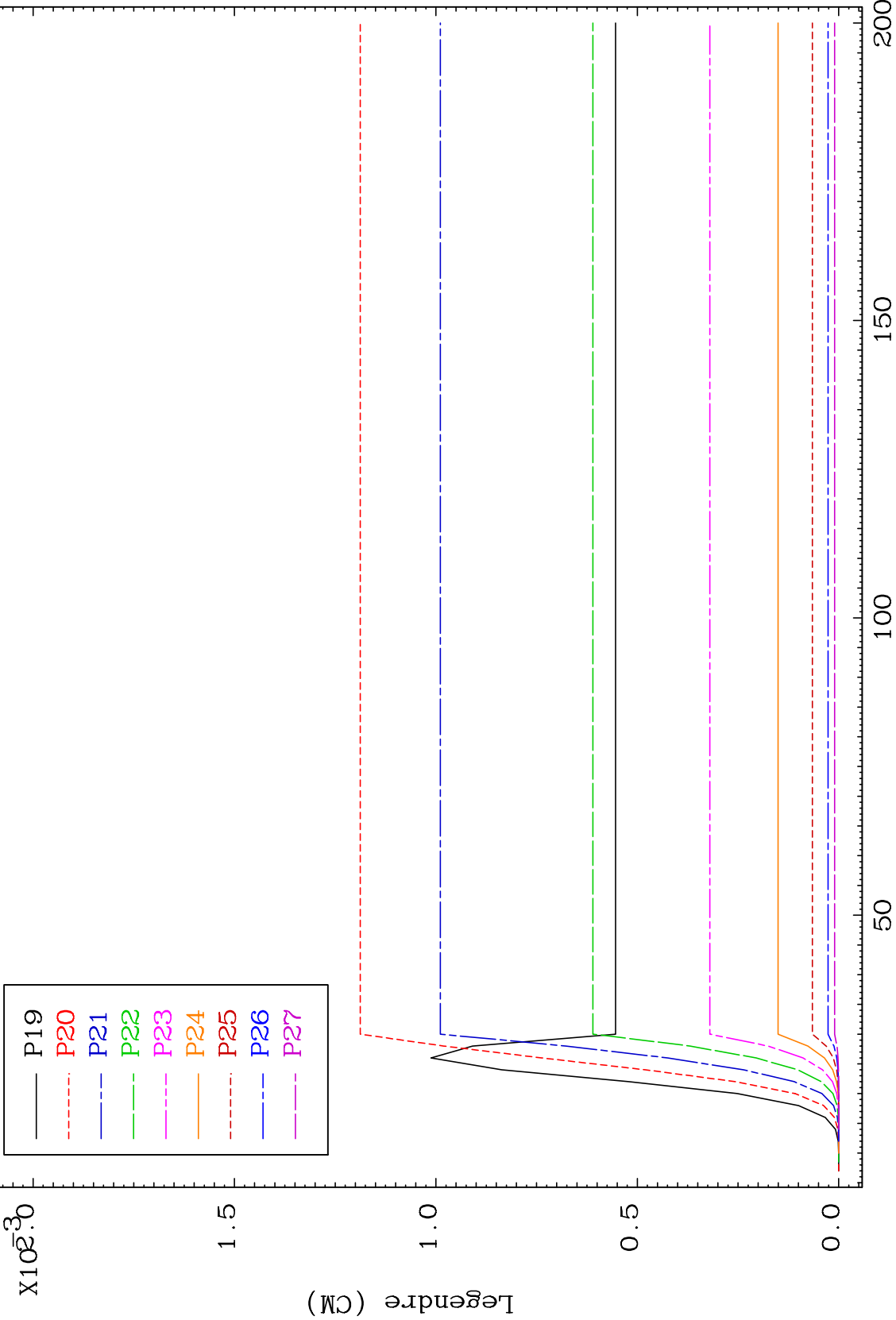
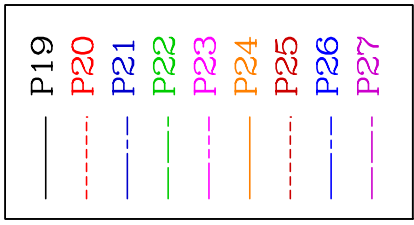




MAT 6034

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

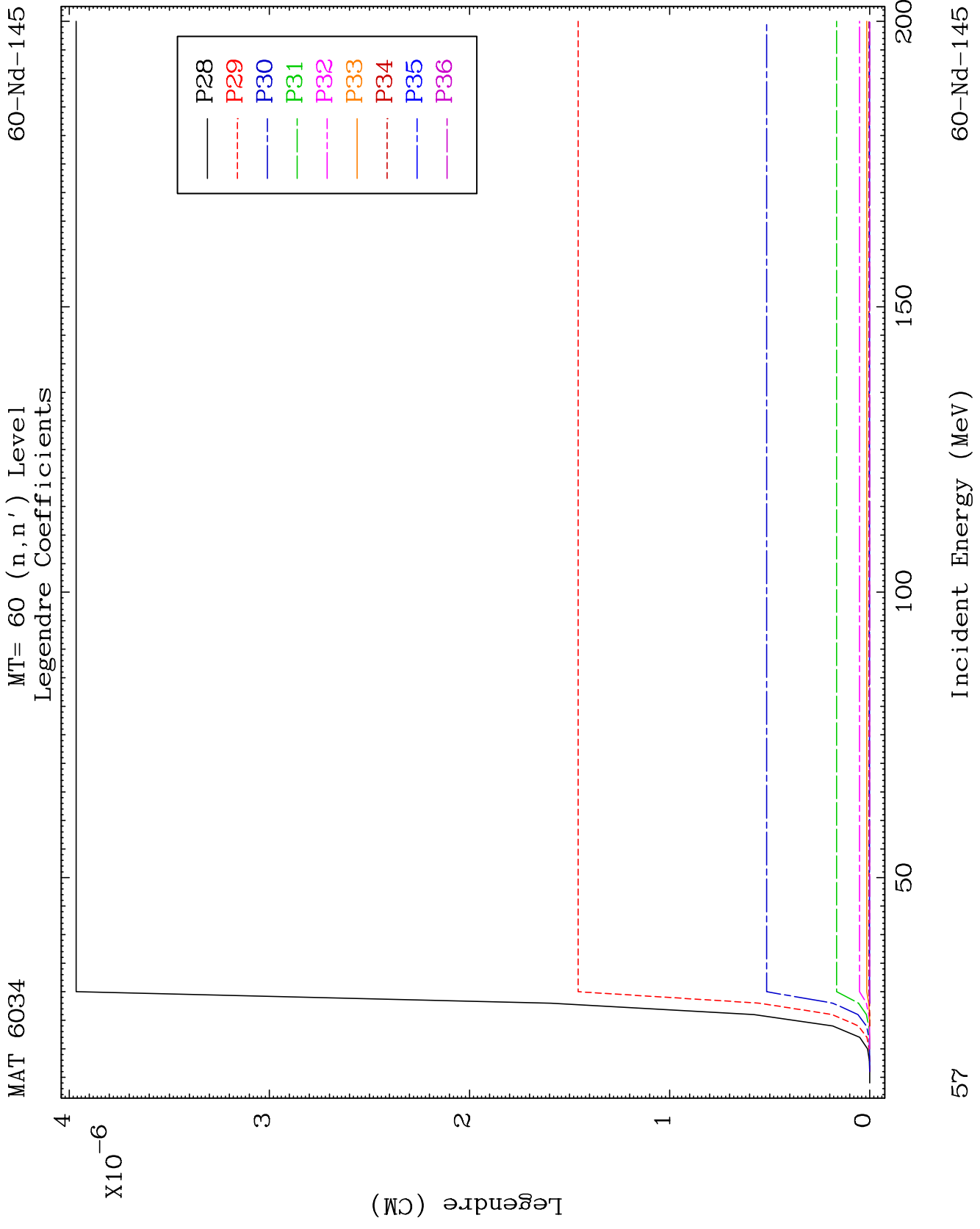
60-Nd-145

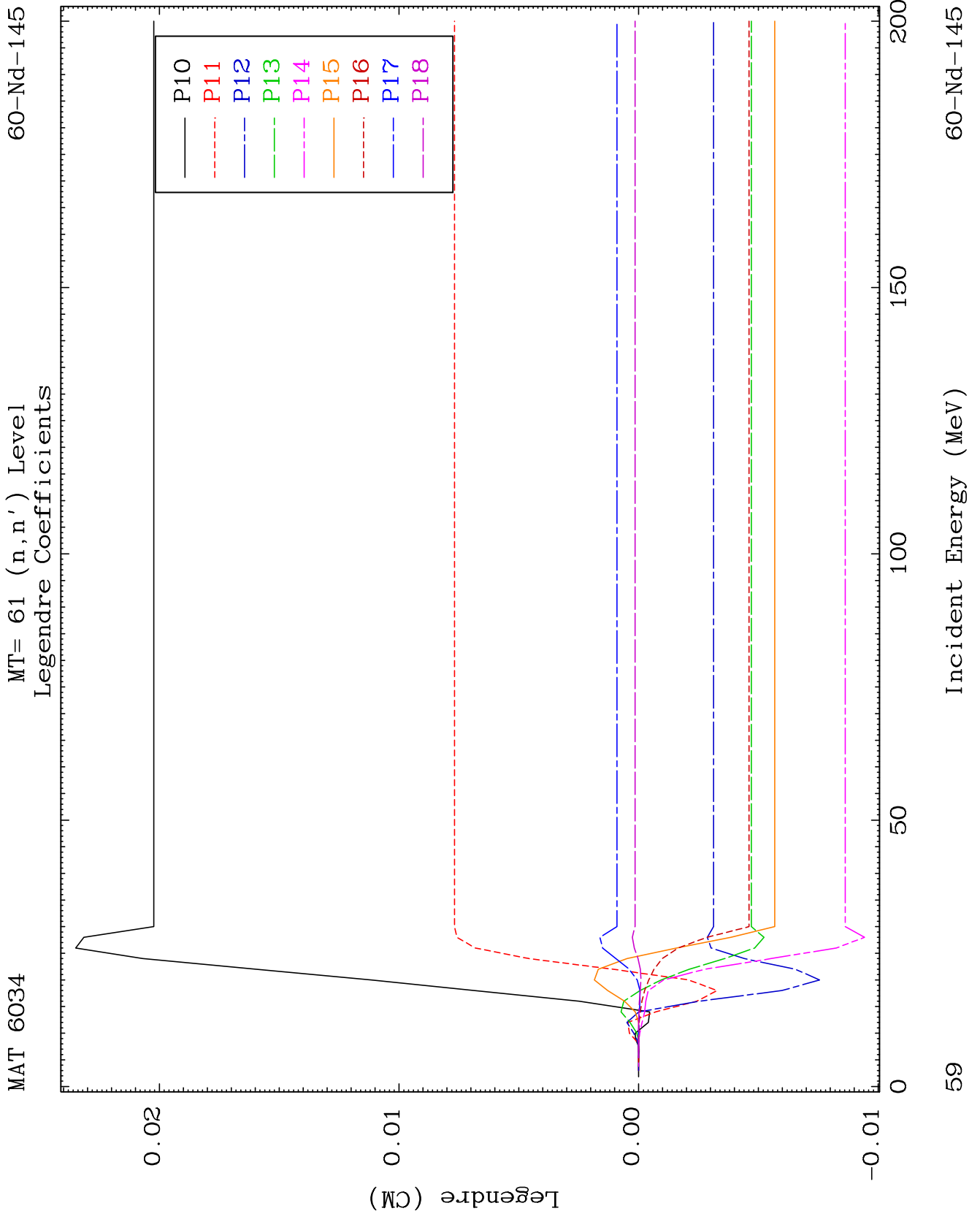


56

Incident Energy (MeV)

60-Nd-145

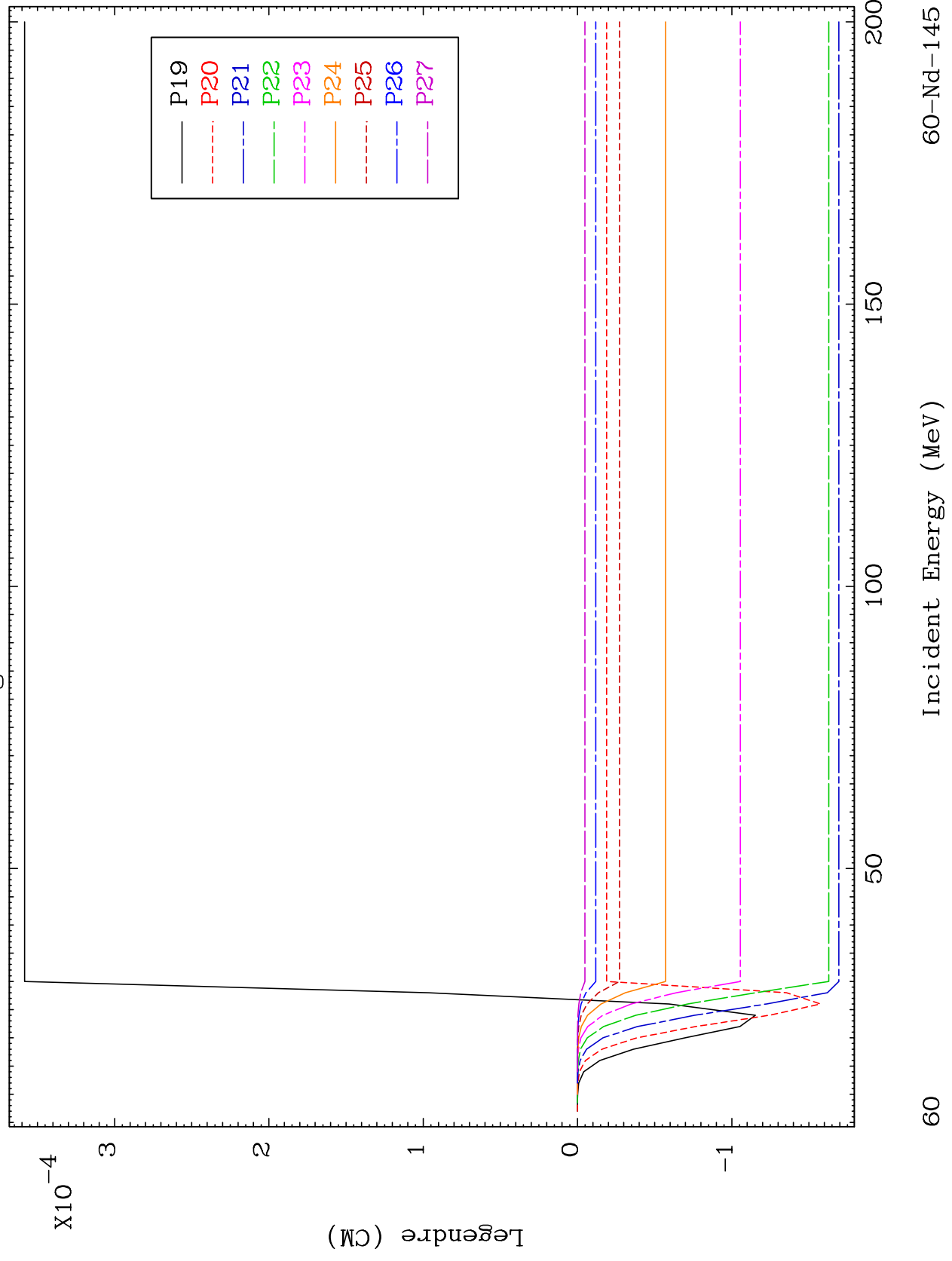


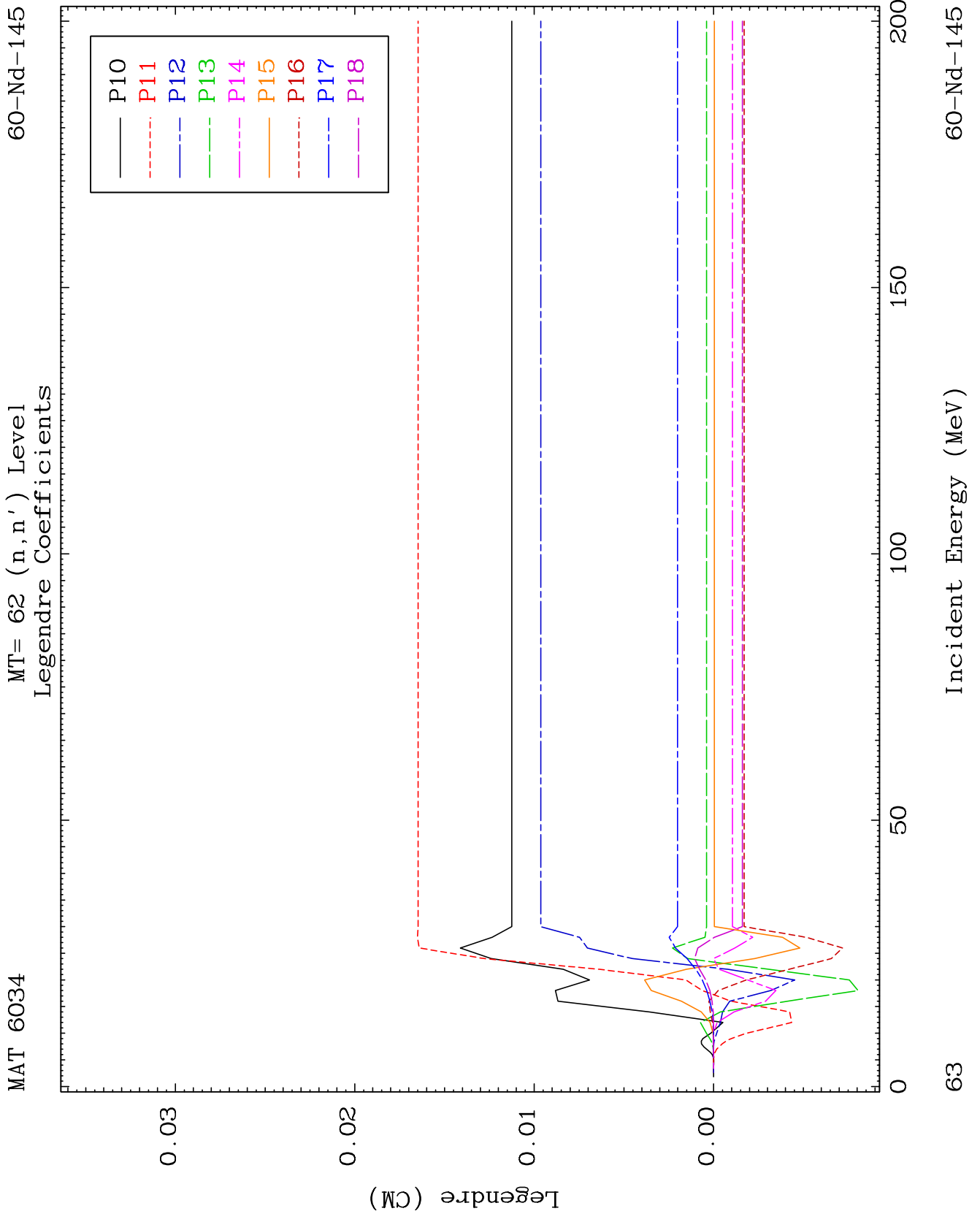


MAT 6034

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

60-Nd-145

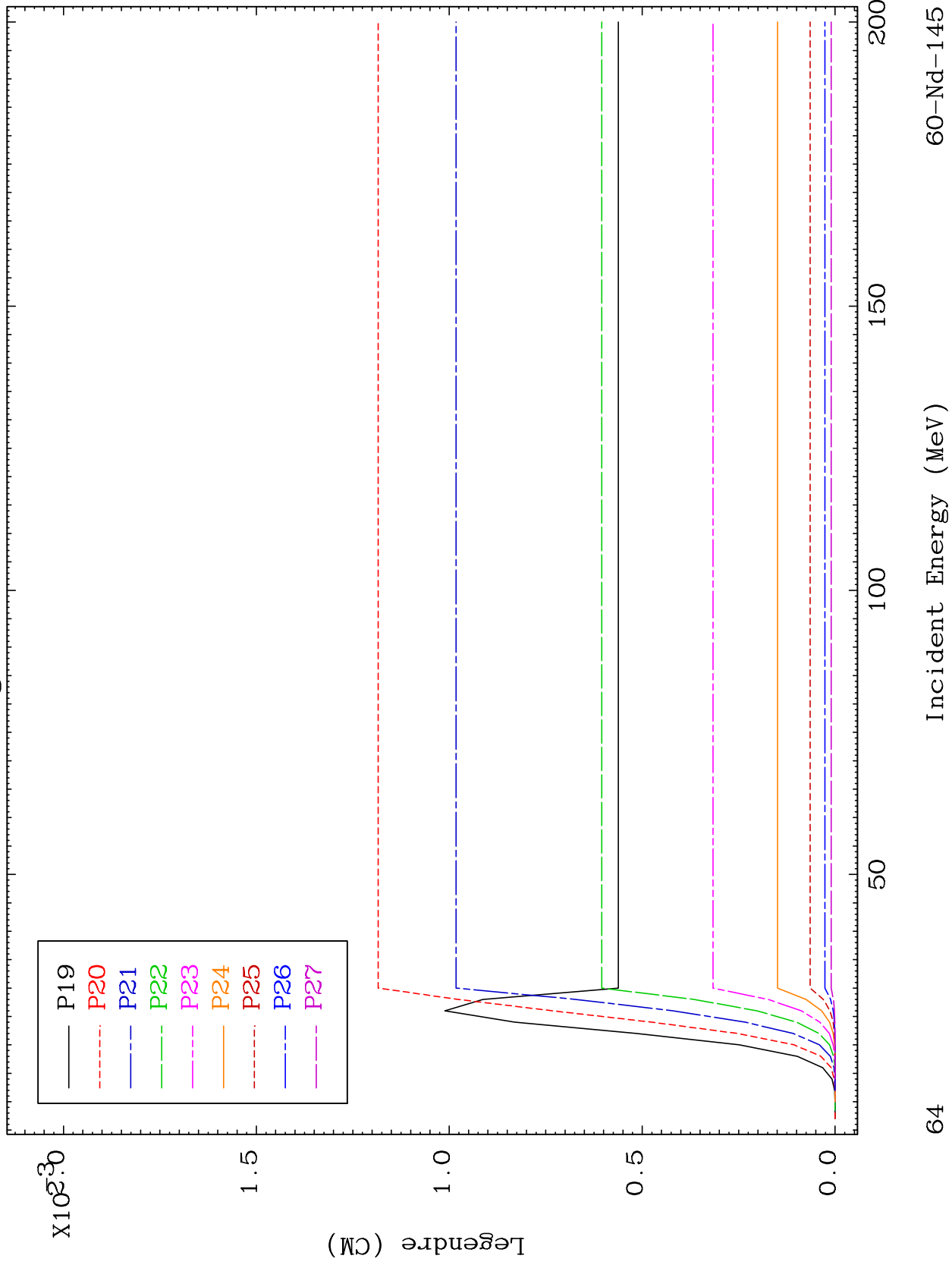




MAT 6034

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

60-Nd-145



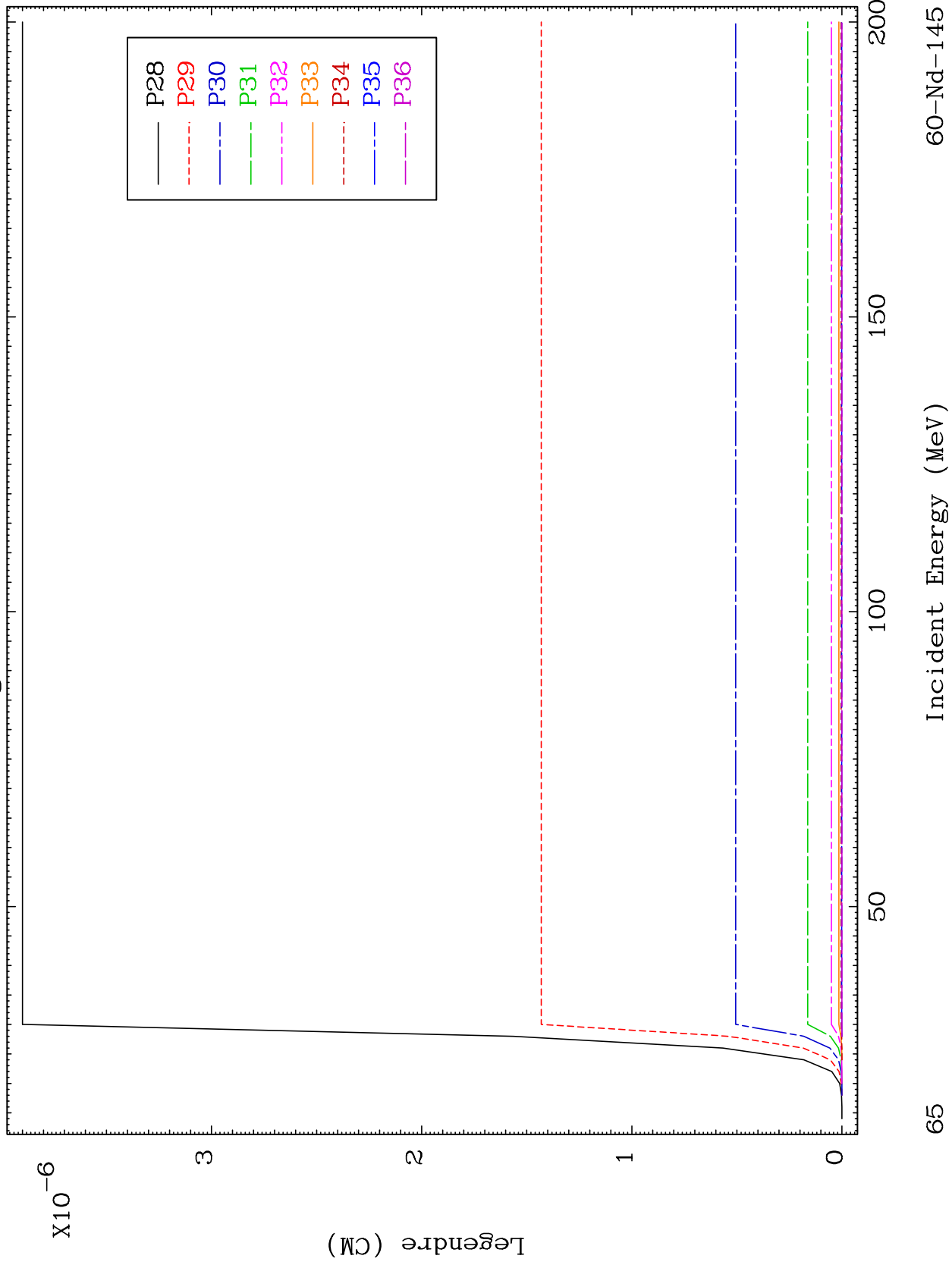
64

60-Nd-145

MAT 6034

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

60-Nd-145



60-Nd-145

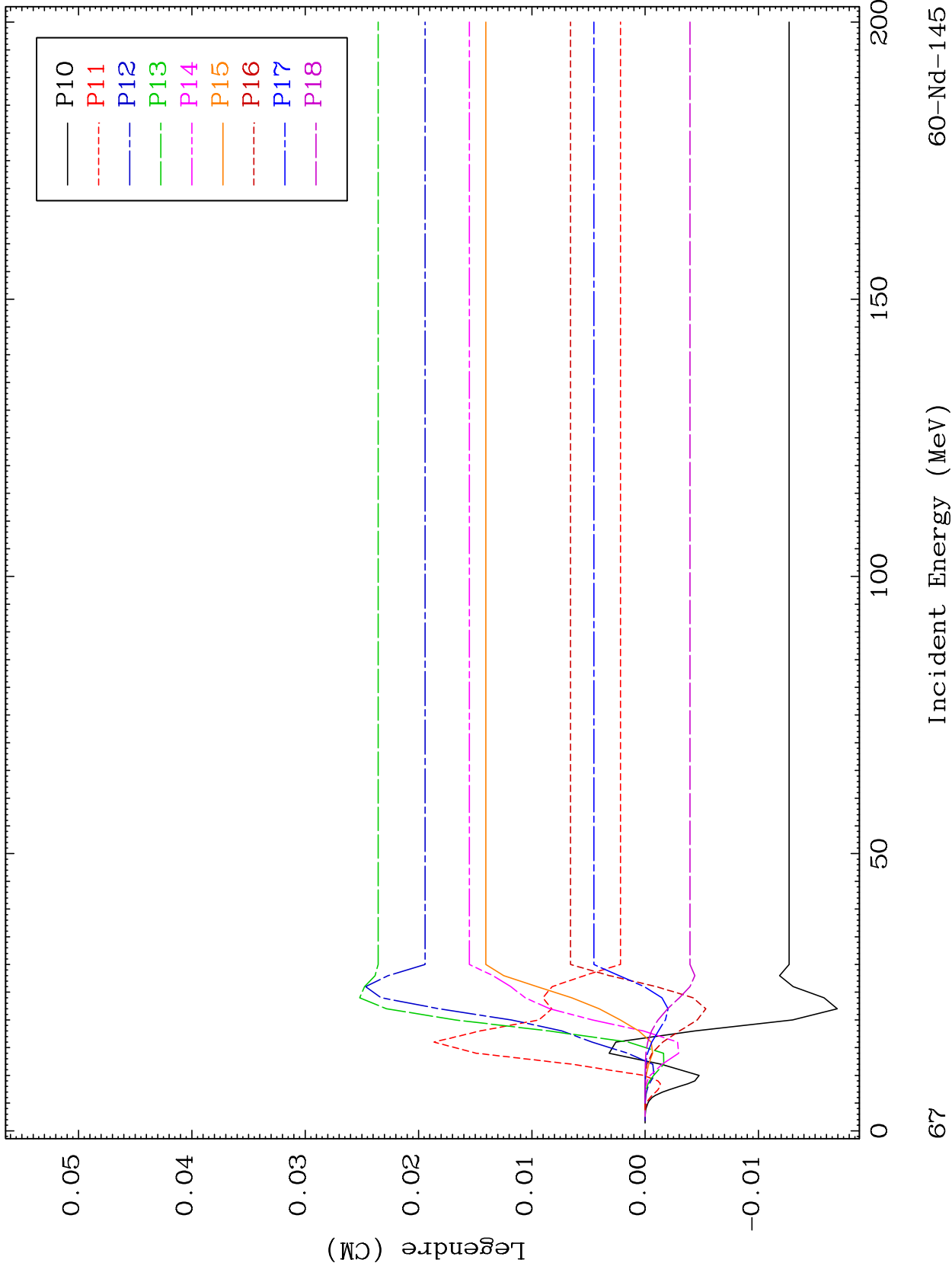
Incident Energy (MeV)

65

MAT 6034

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

60-Nd-145



60-Nd-145

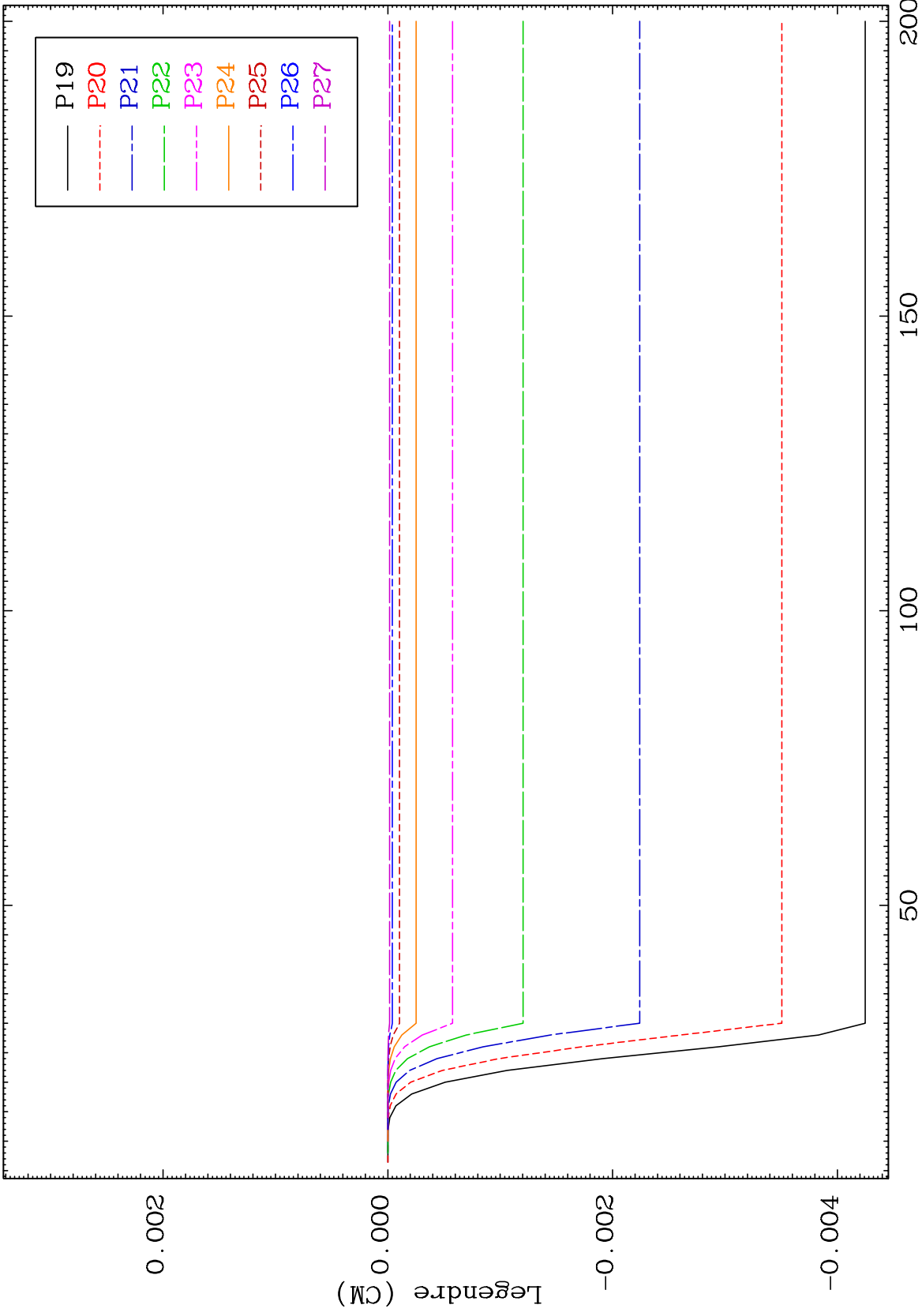
Incident Energy (MeV)

67

MAT 6034

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

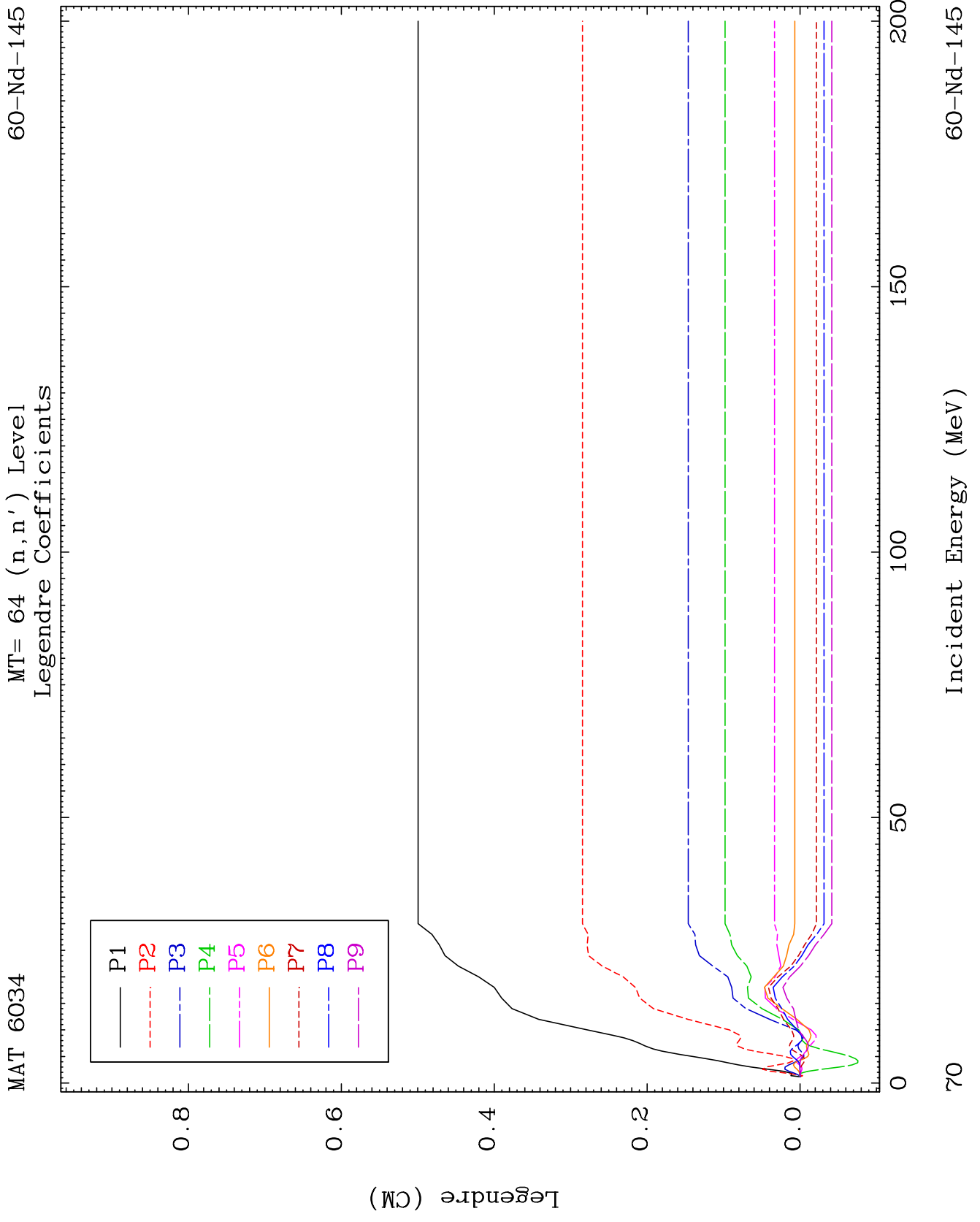
60-Nd-145



68

Incident Energy (MeV)

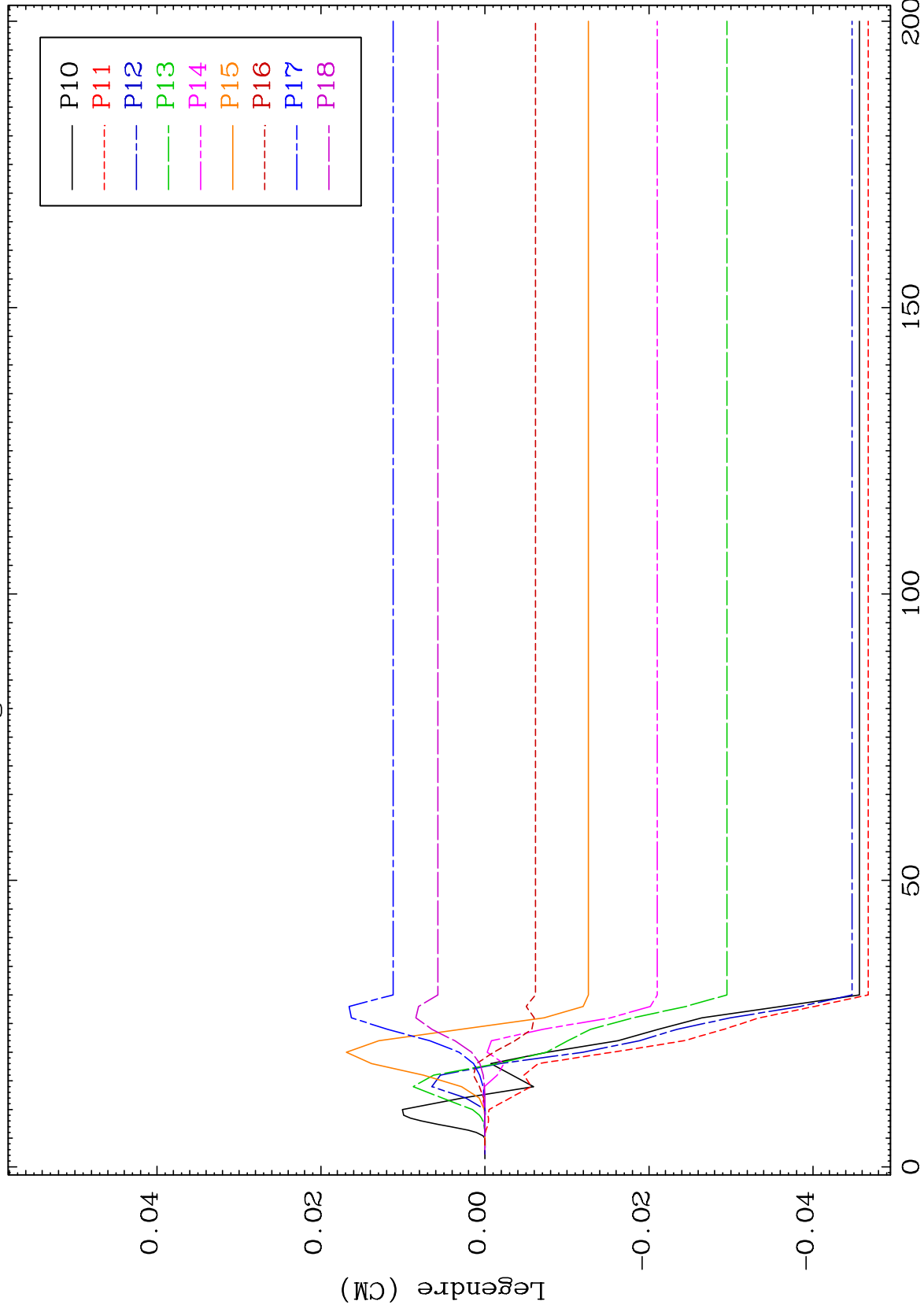
60-Nd-145



MAT 6034

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

60-Nd-145



71

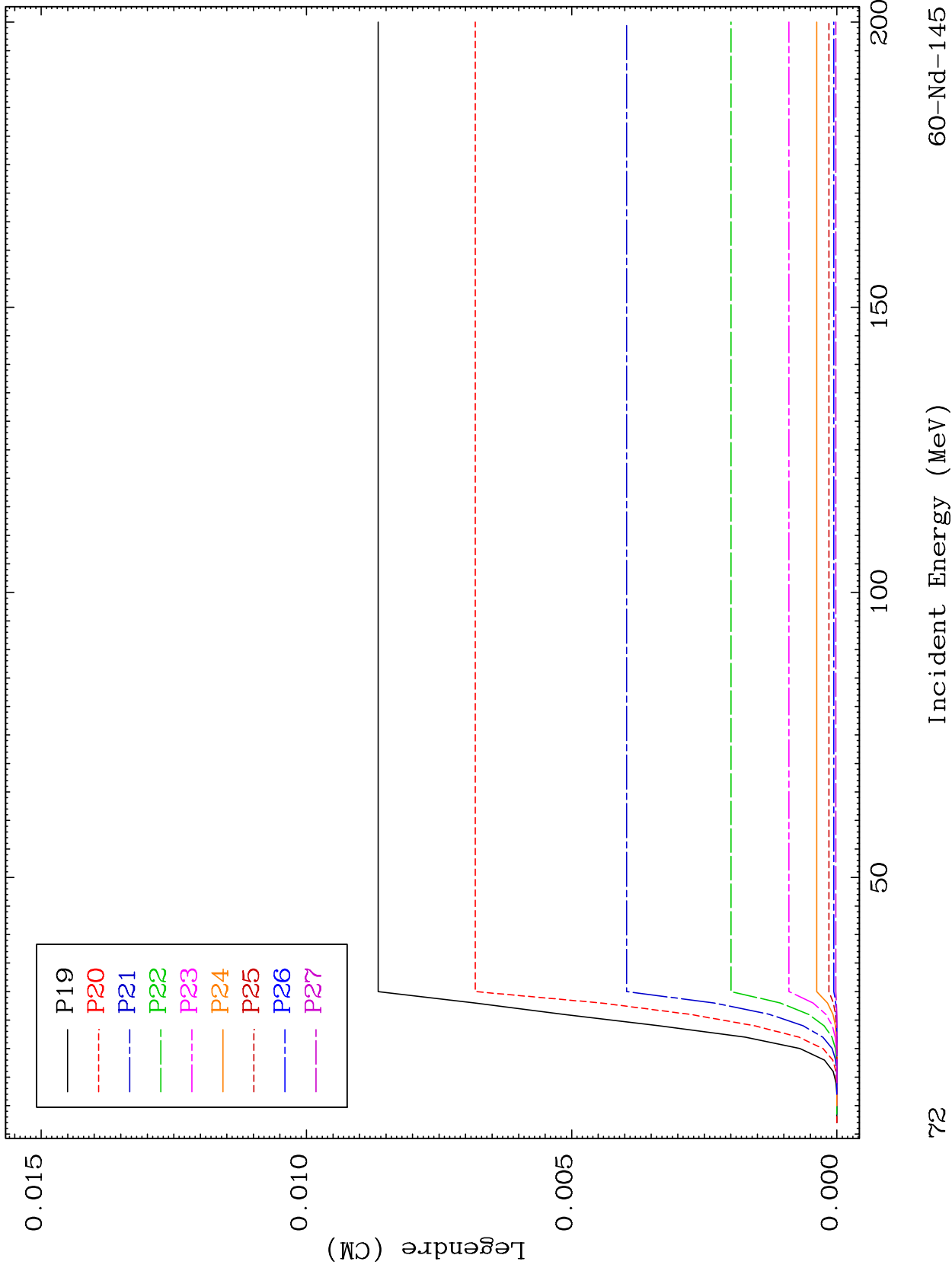
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



72

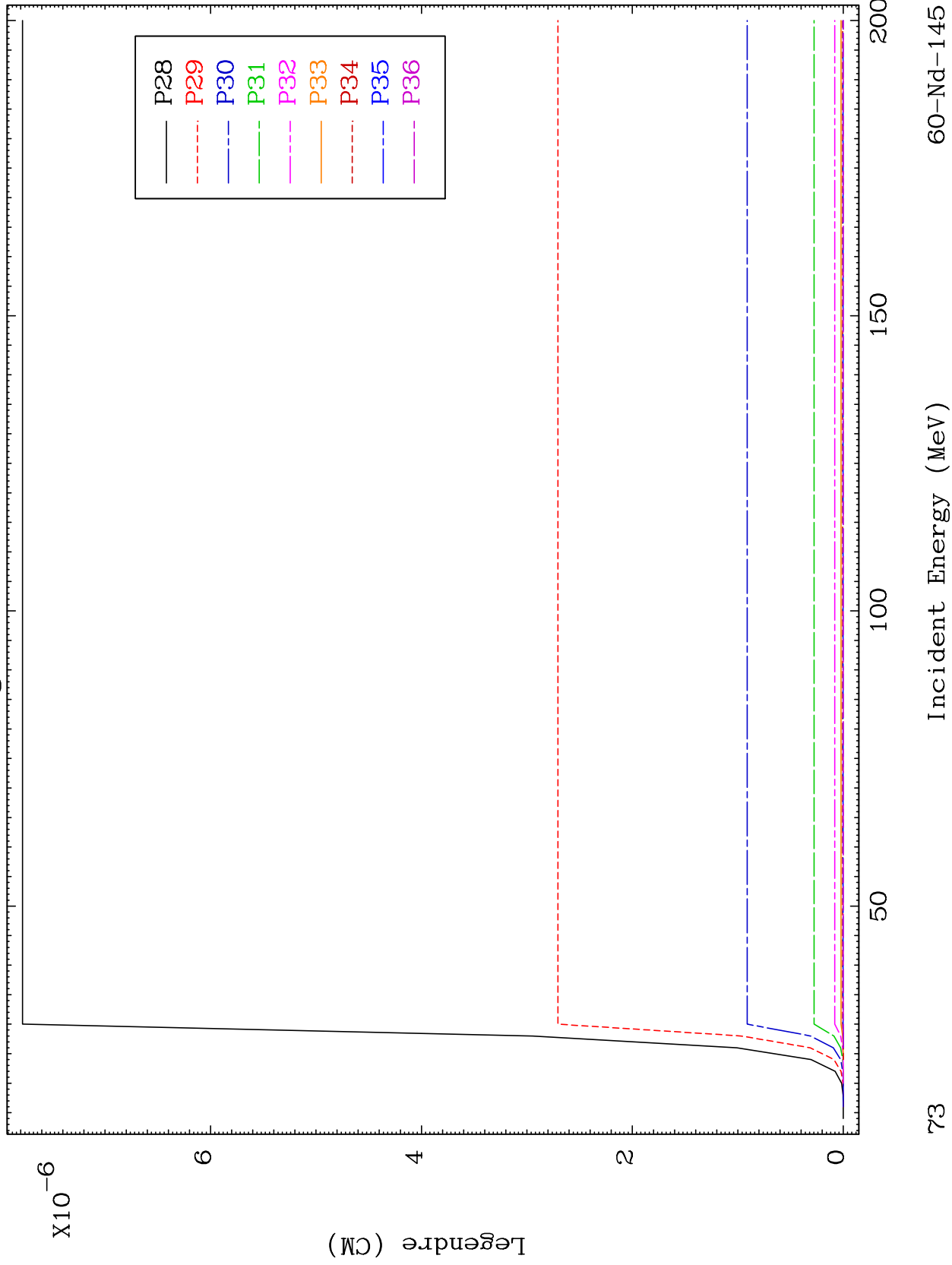
Incident Energy (MeV)

60-Nd-145

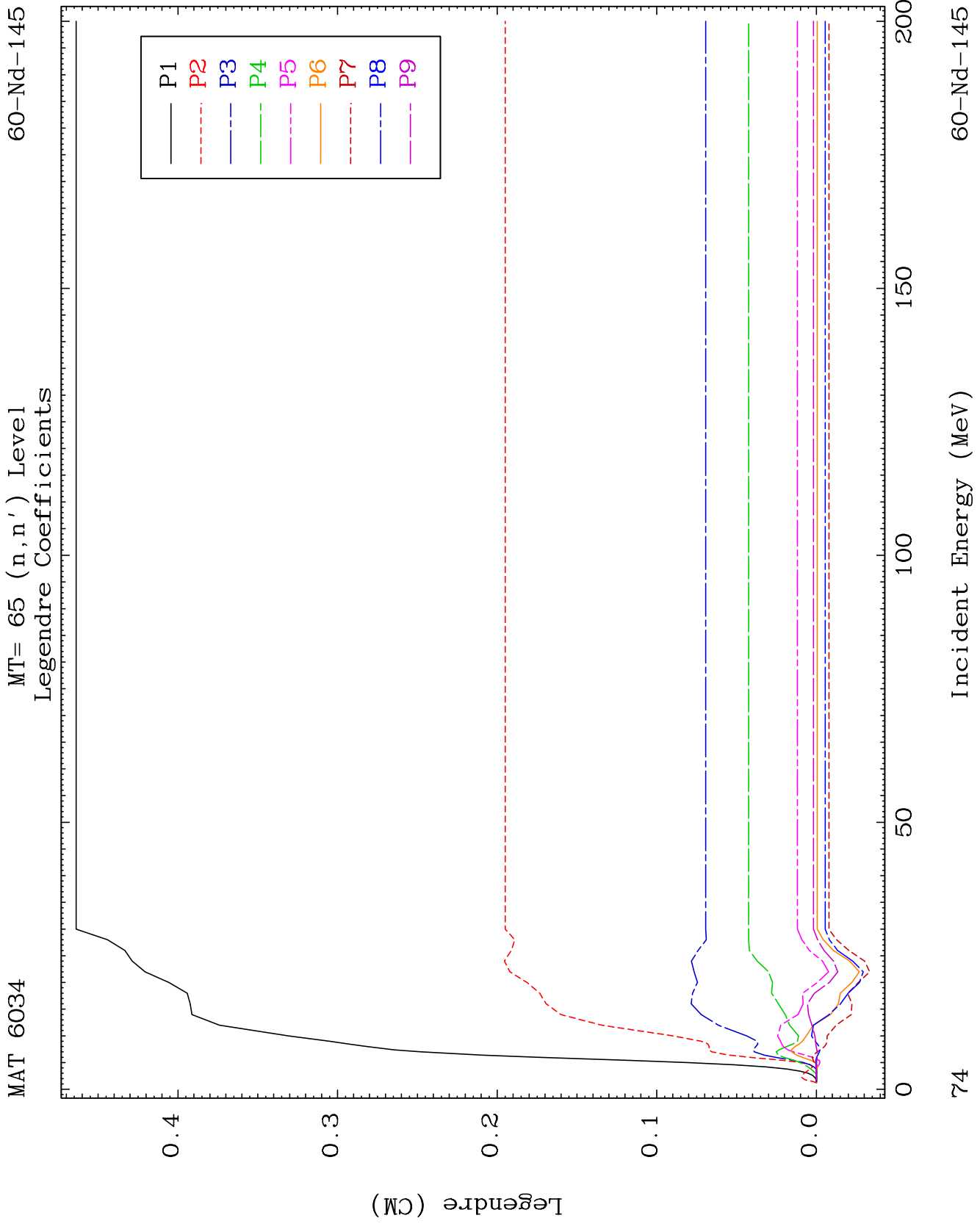
MAT 6034

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

60-Nd-145



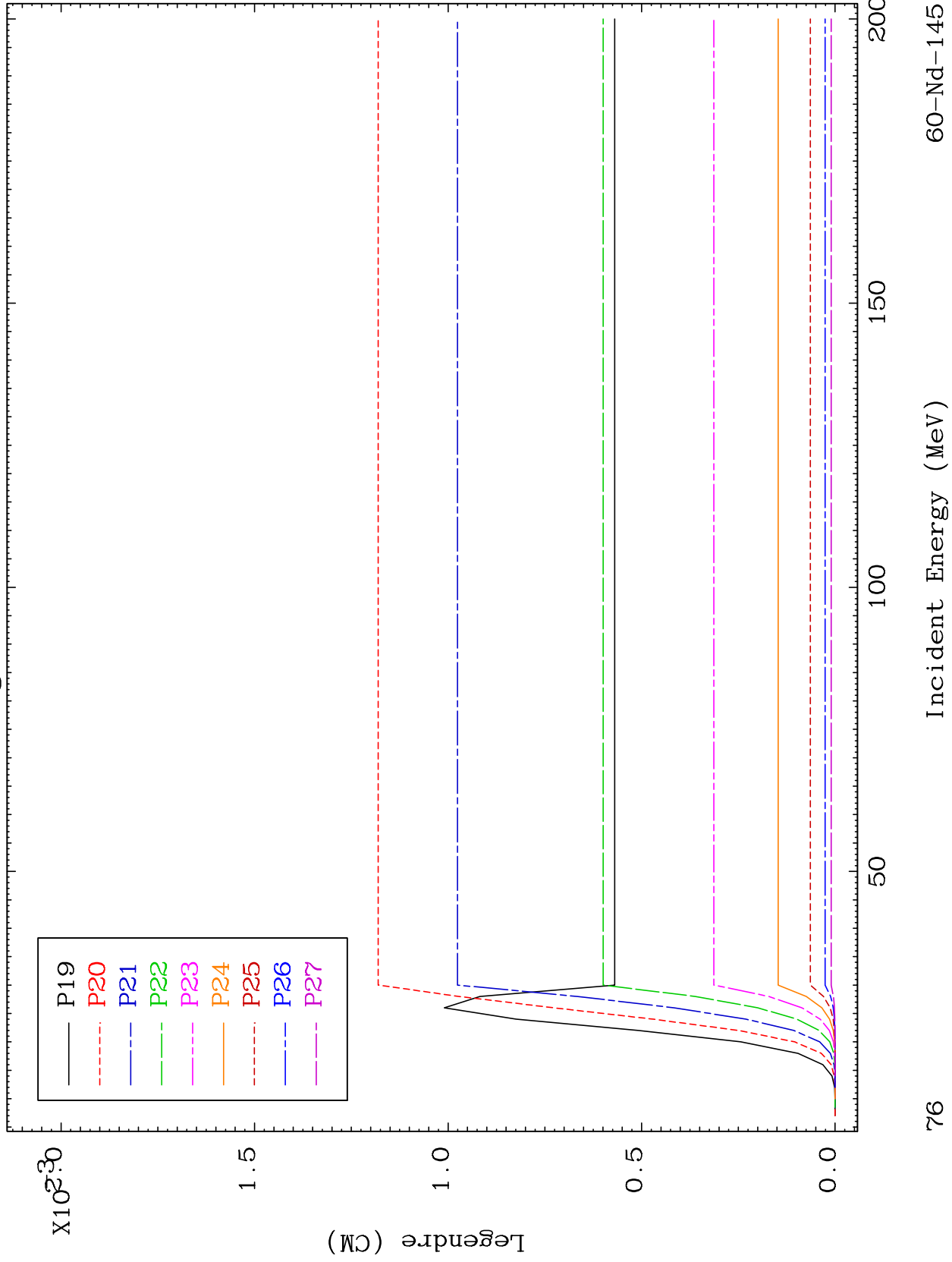
73



MAT 6034

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

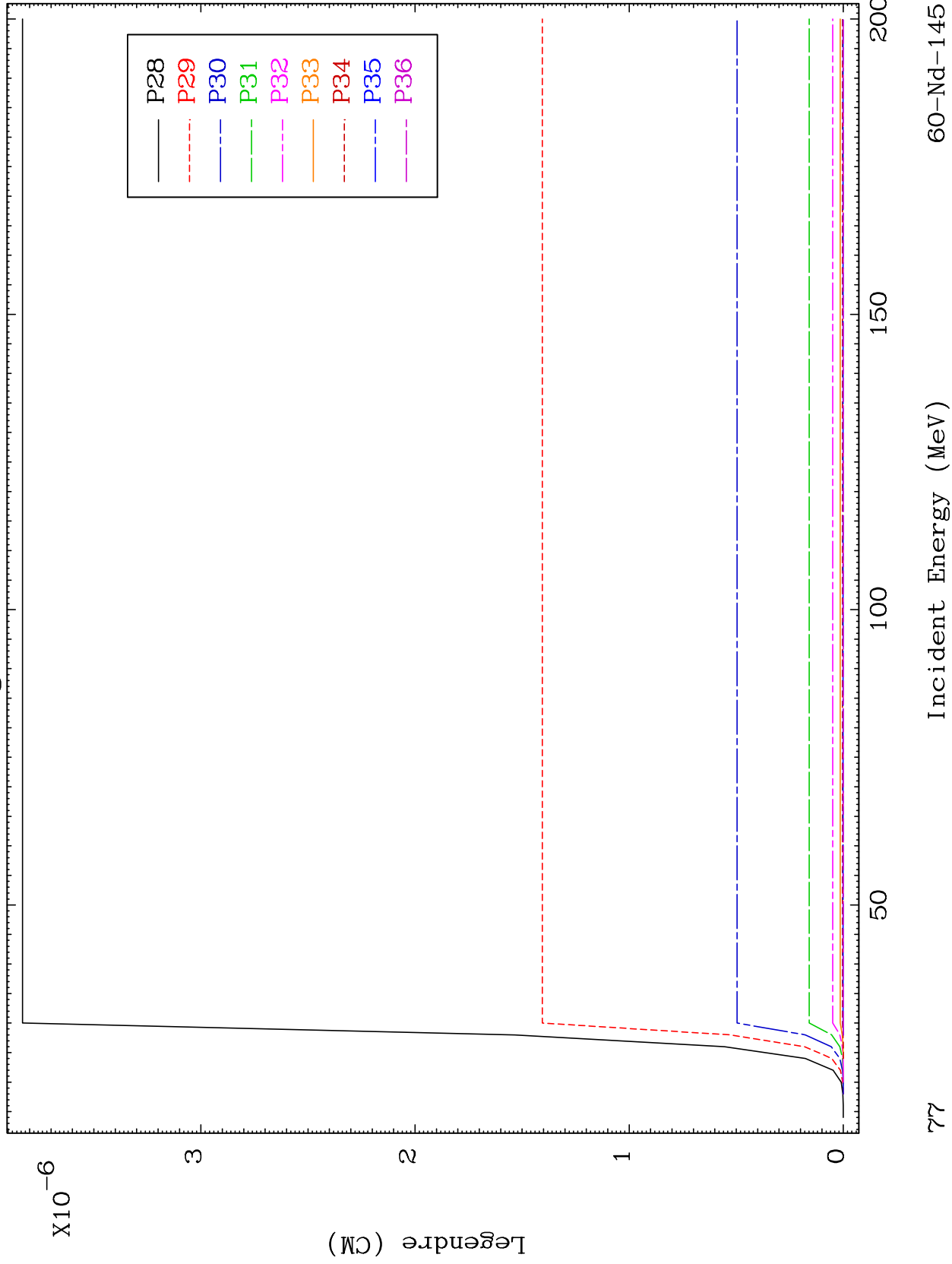
60-Nd-145



MAT 6034

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

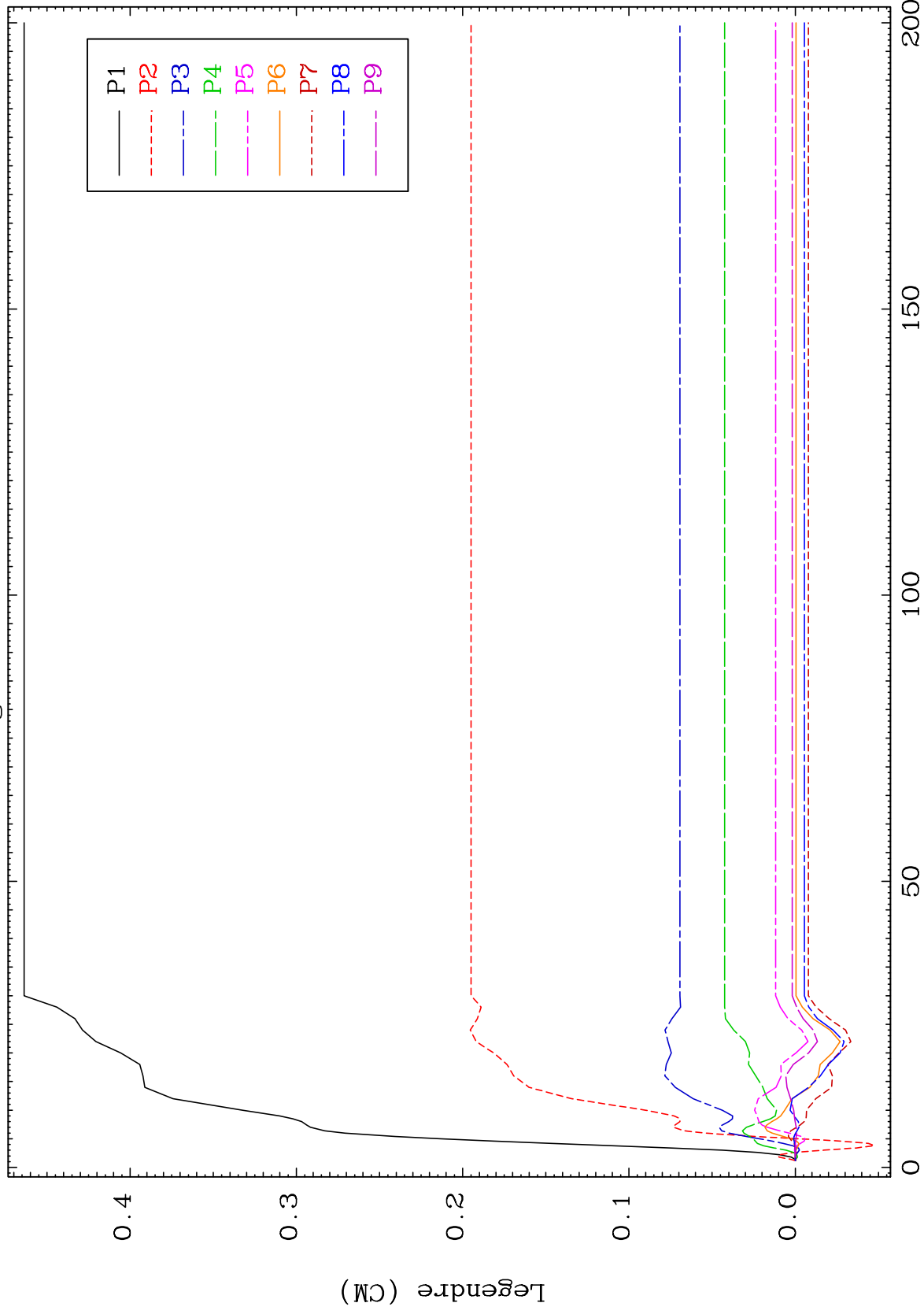
60-Nd-145



MAT 6034

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

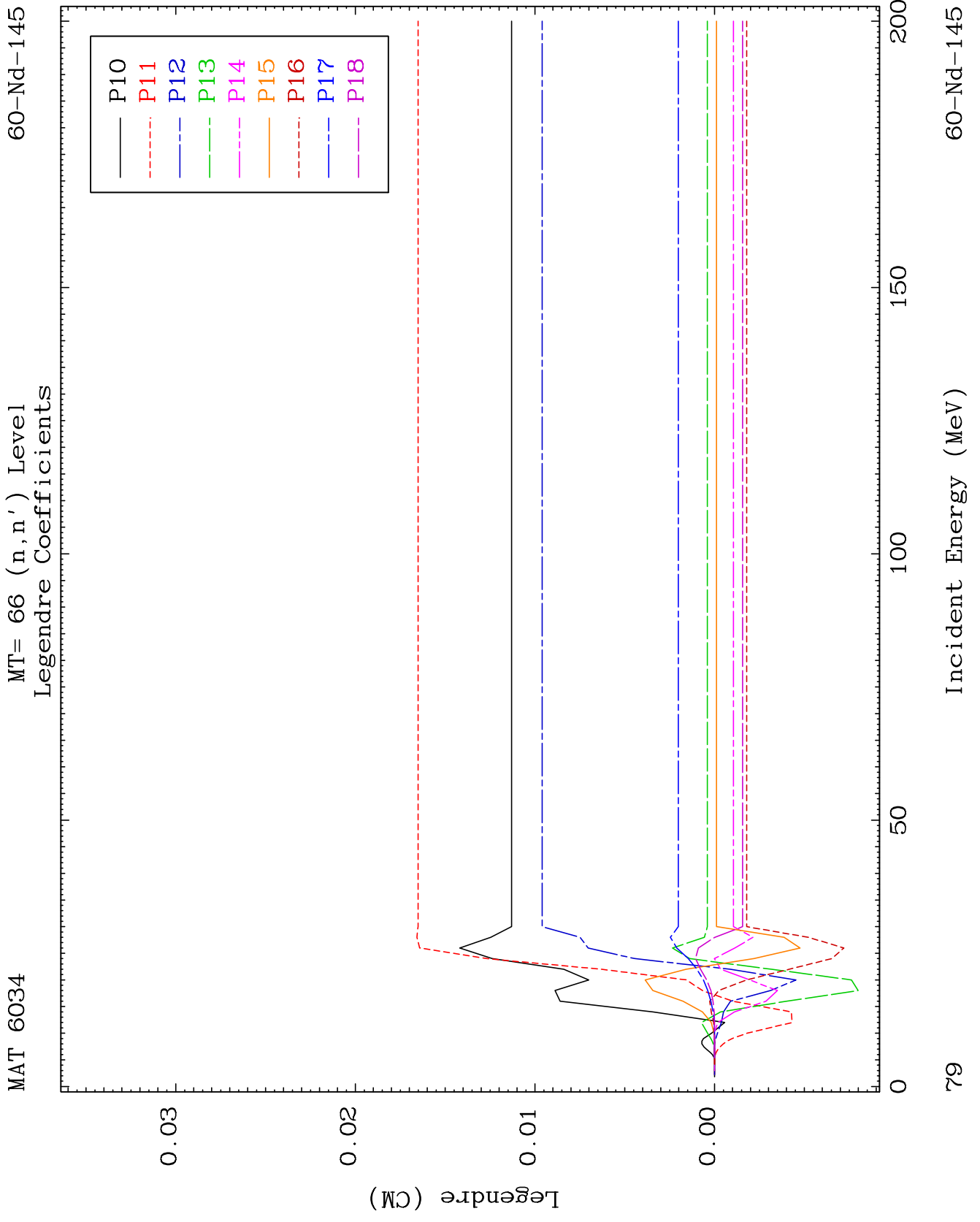
60-Nd-145



78

Incident Energy (MeV)

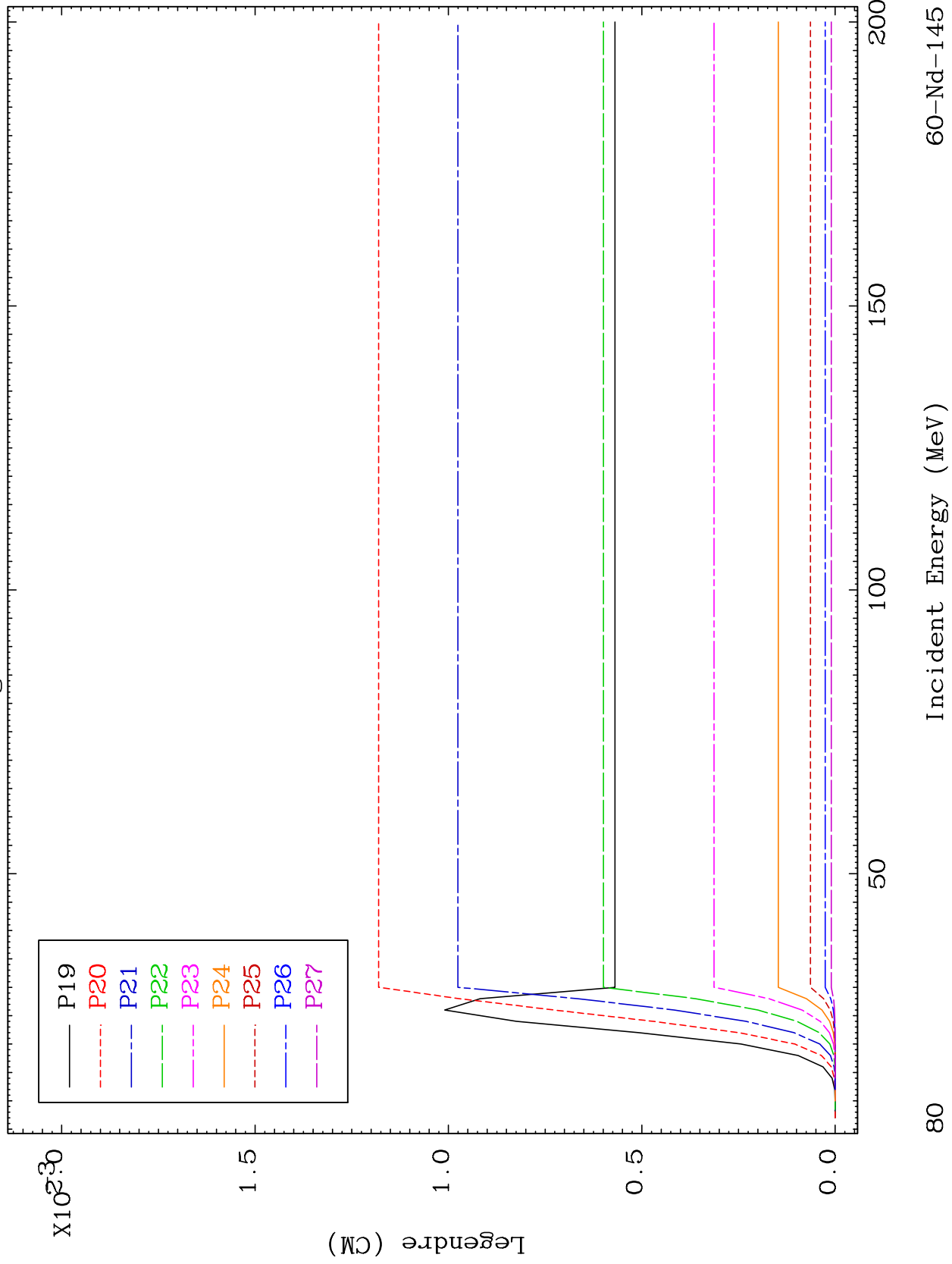
60-Nd-145



MAT 6034

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

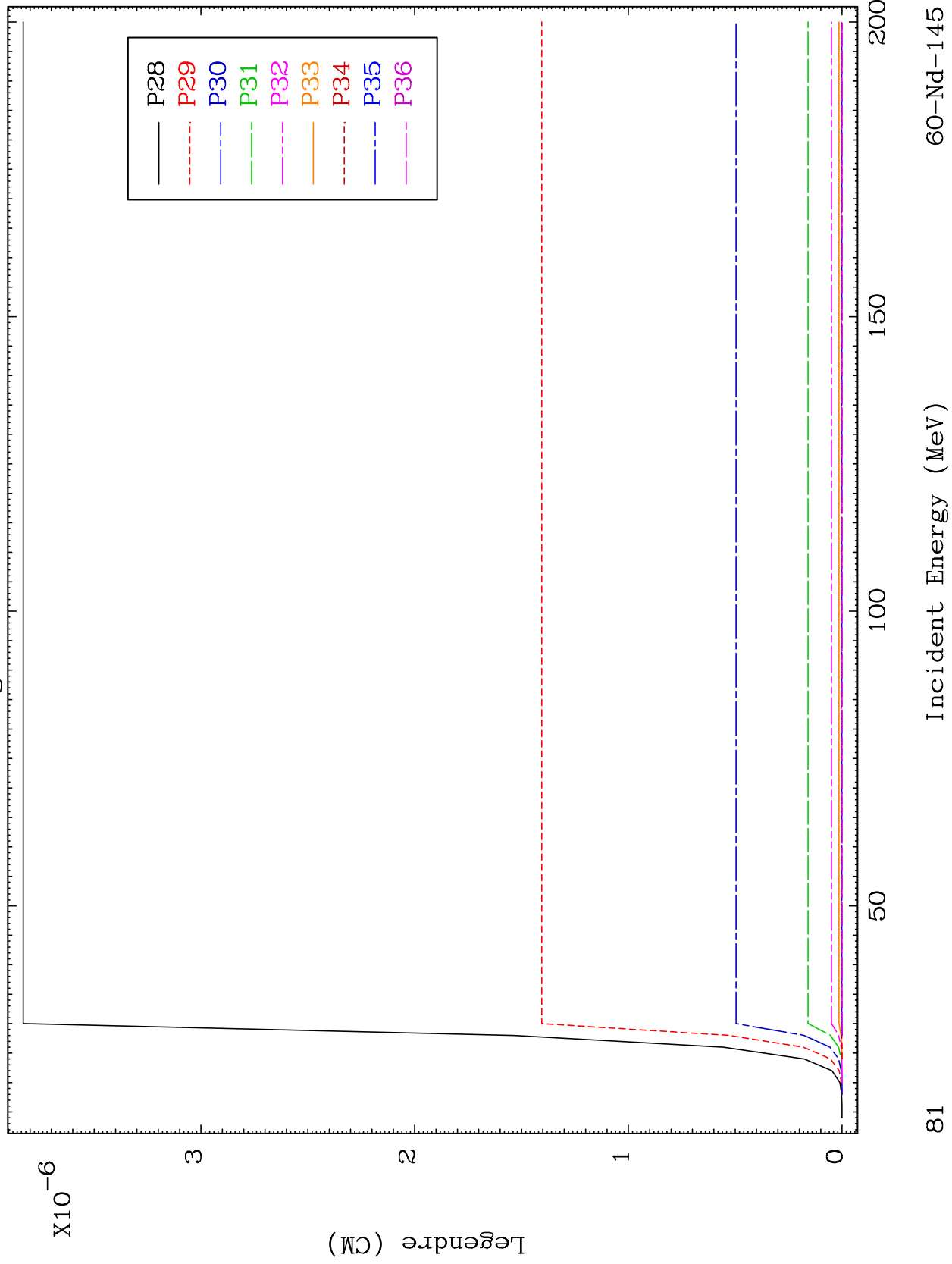
60-Nd-145



MAT 6034

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

60-Nd-145



81

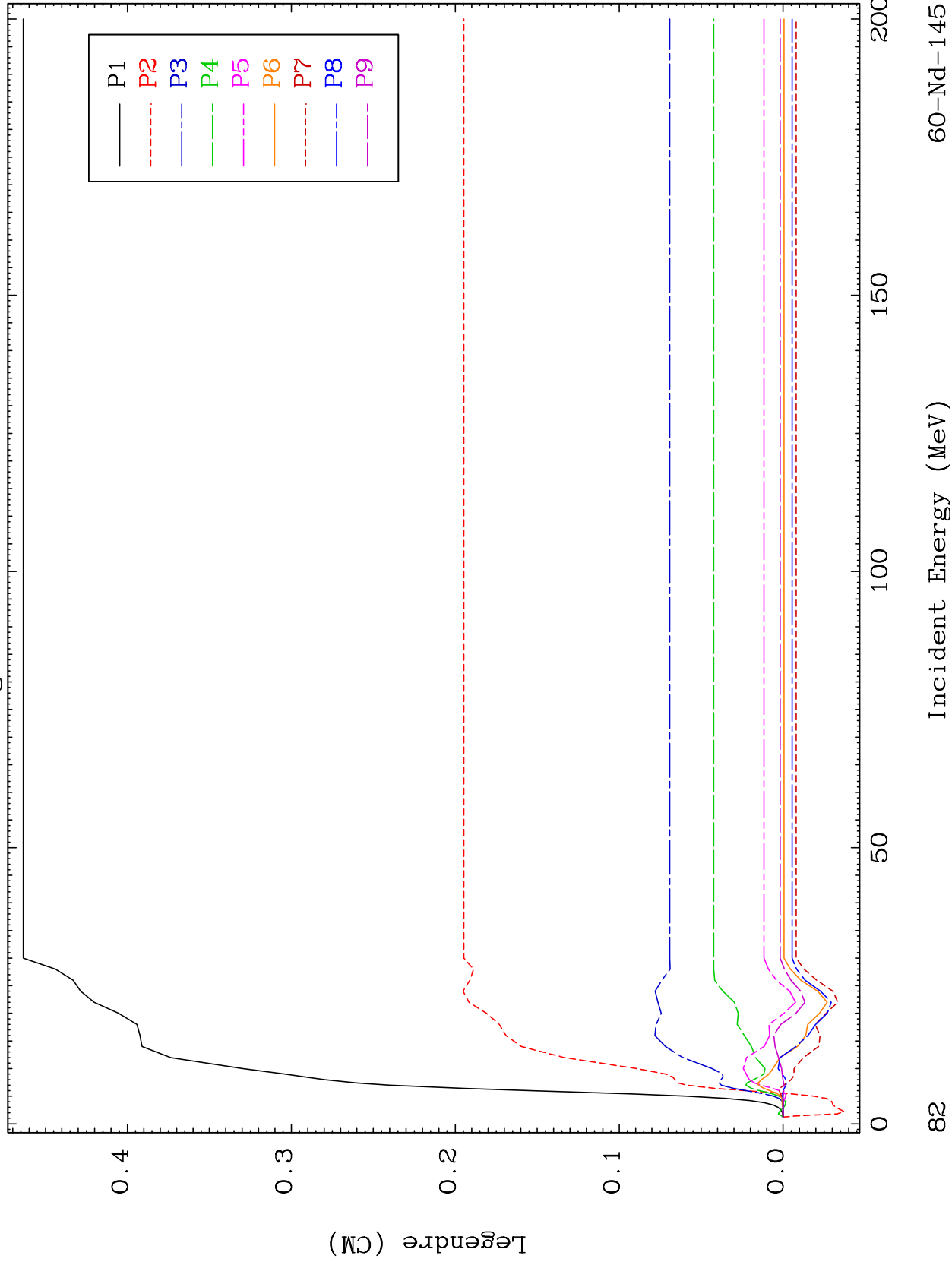
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



60-Nd-145

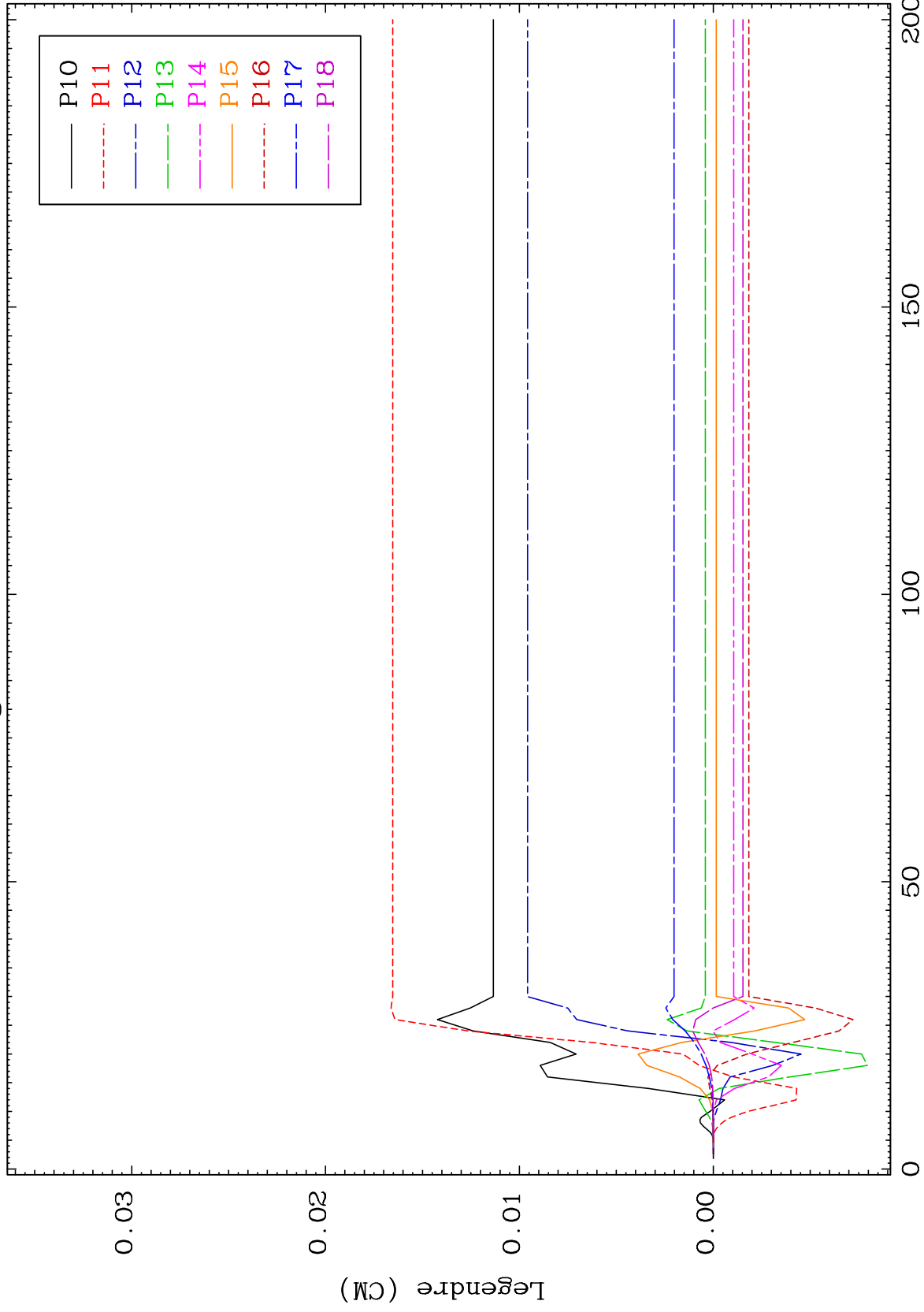
Incident Energy (MeV)

82

MAT 6034

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

60-Nd-145



83

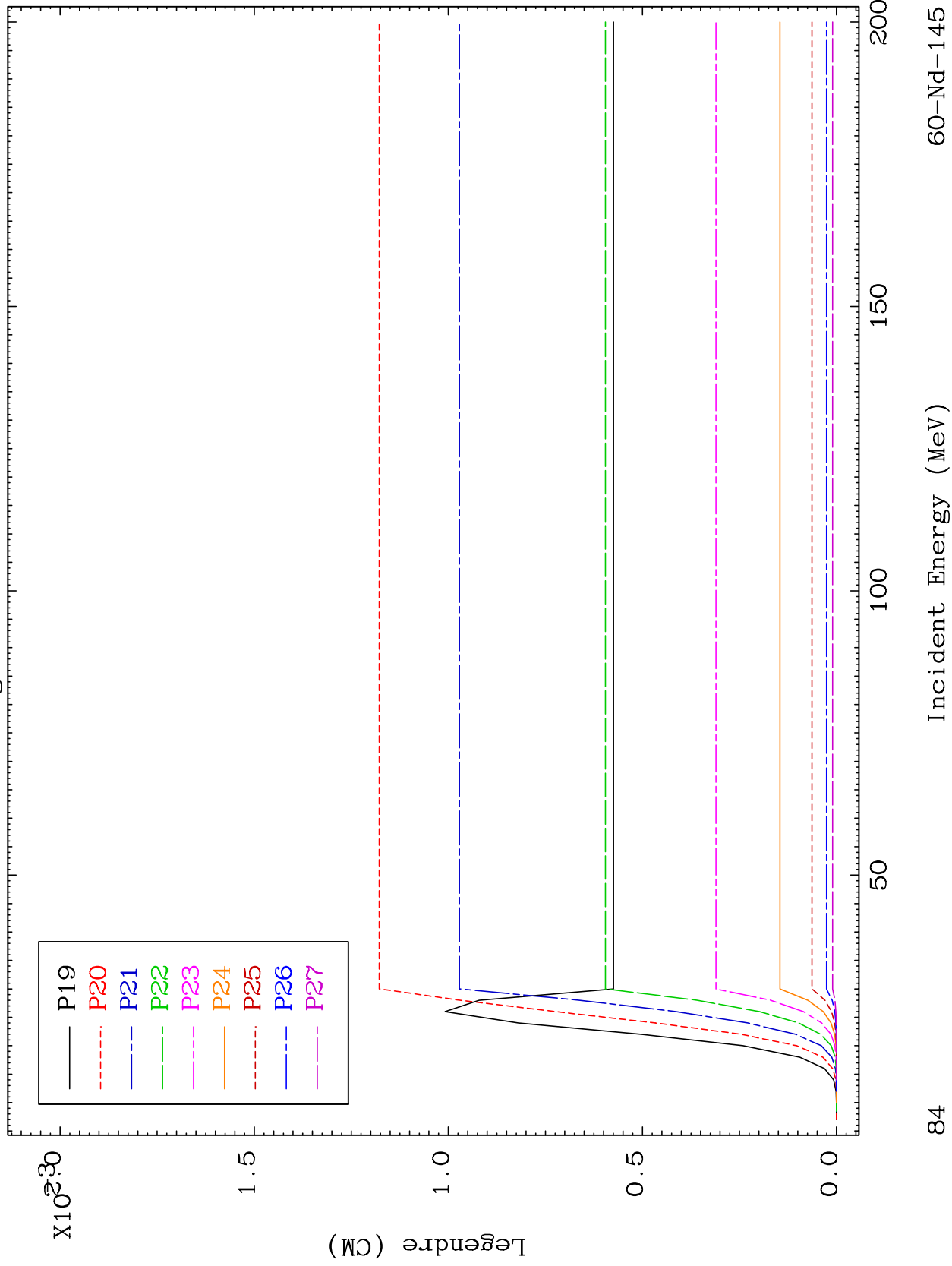
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

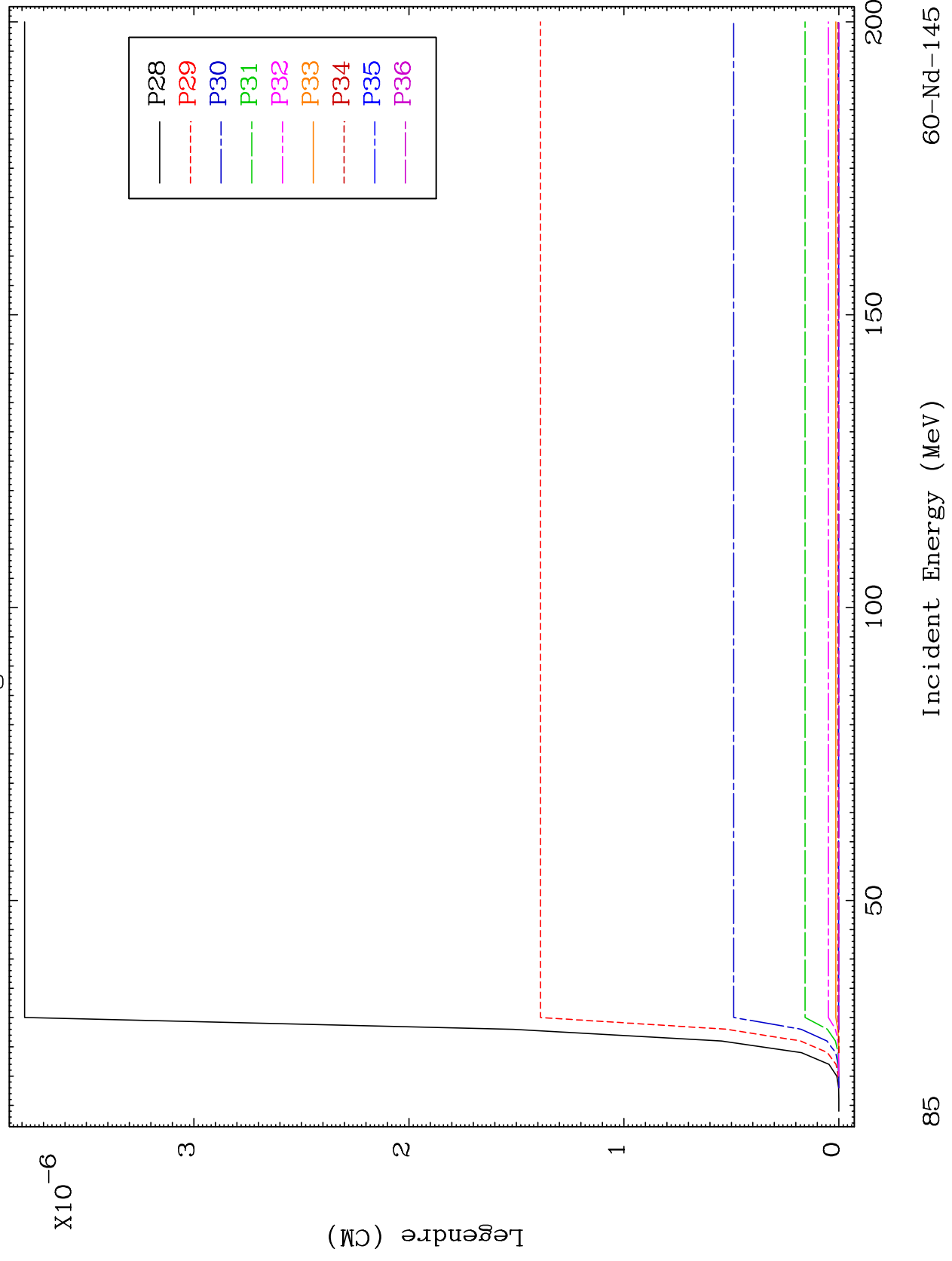
60-Nd-145



MAT 6034

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

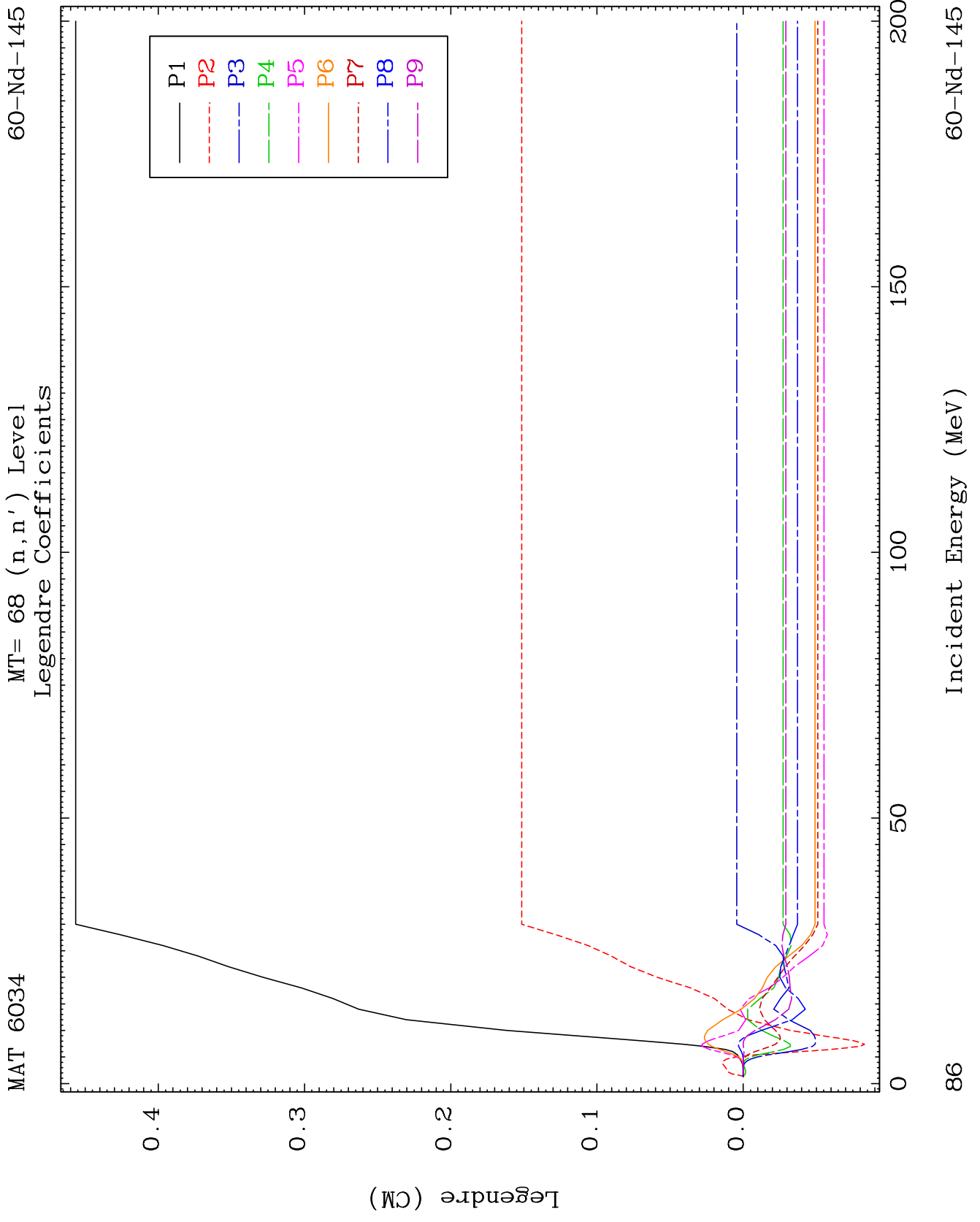
60-Nd-145



85

Incident Energy (MeV)

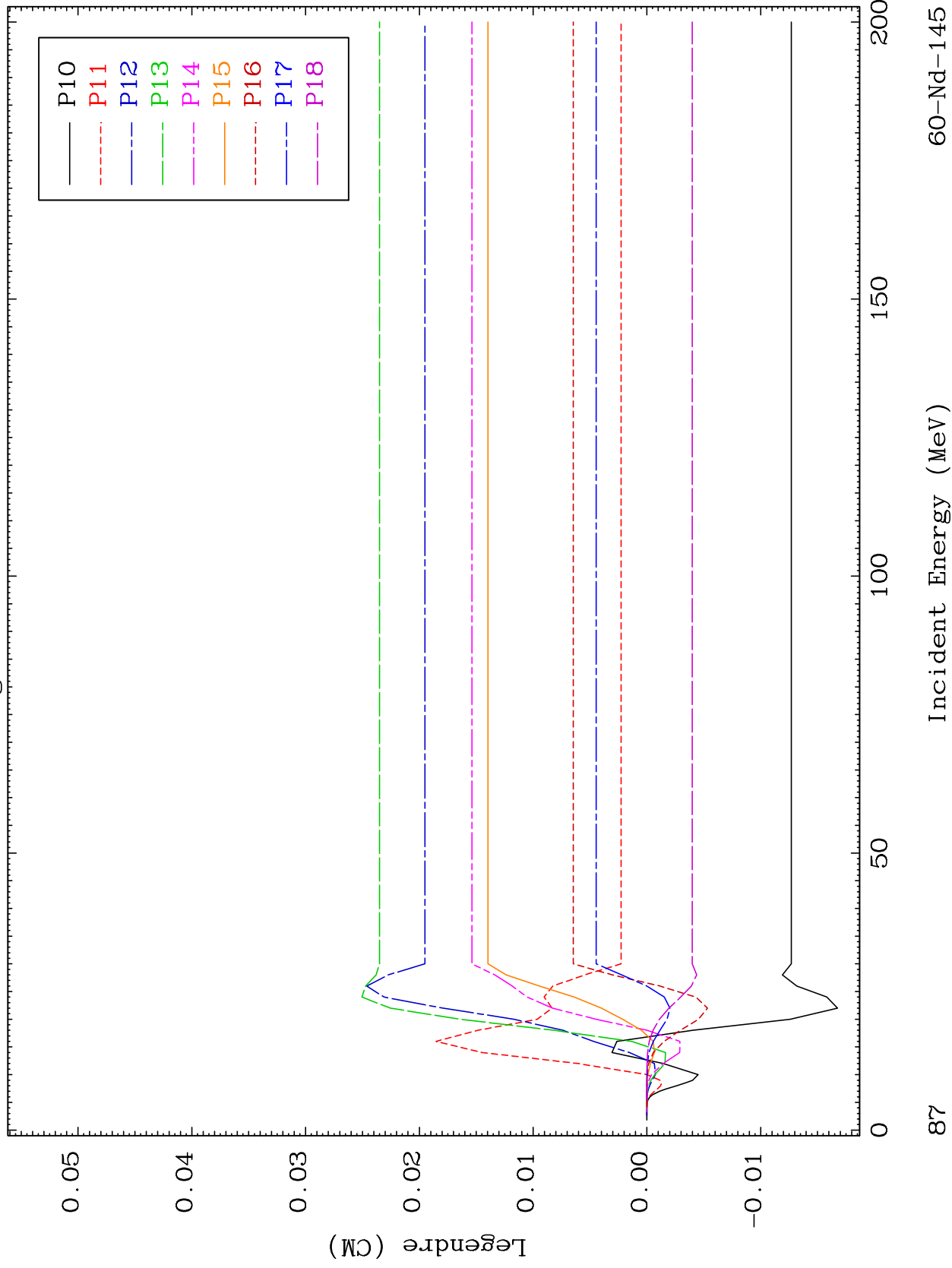
60-Nd-145



MAT 6034

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

60-Nd-145



87

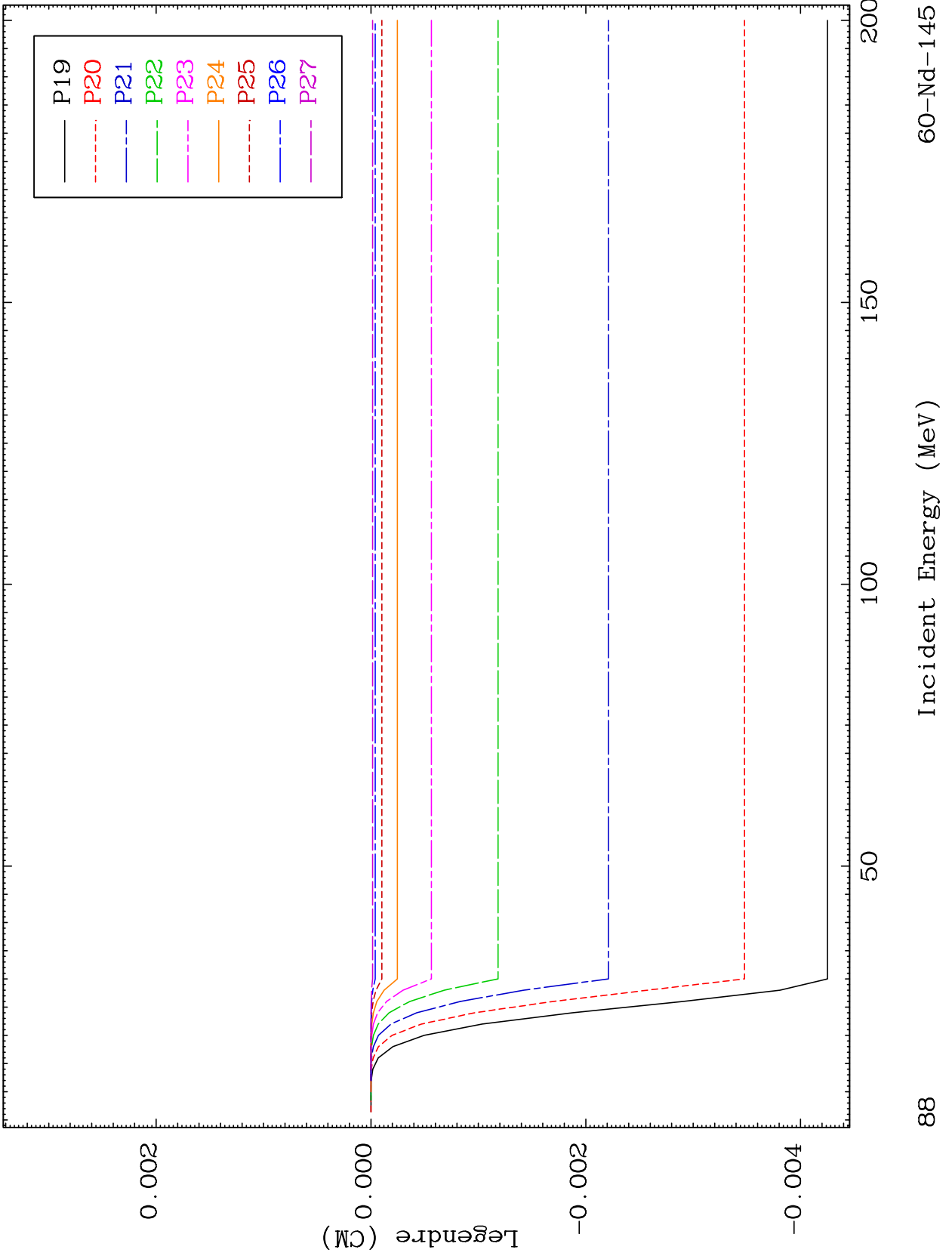
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

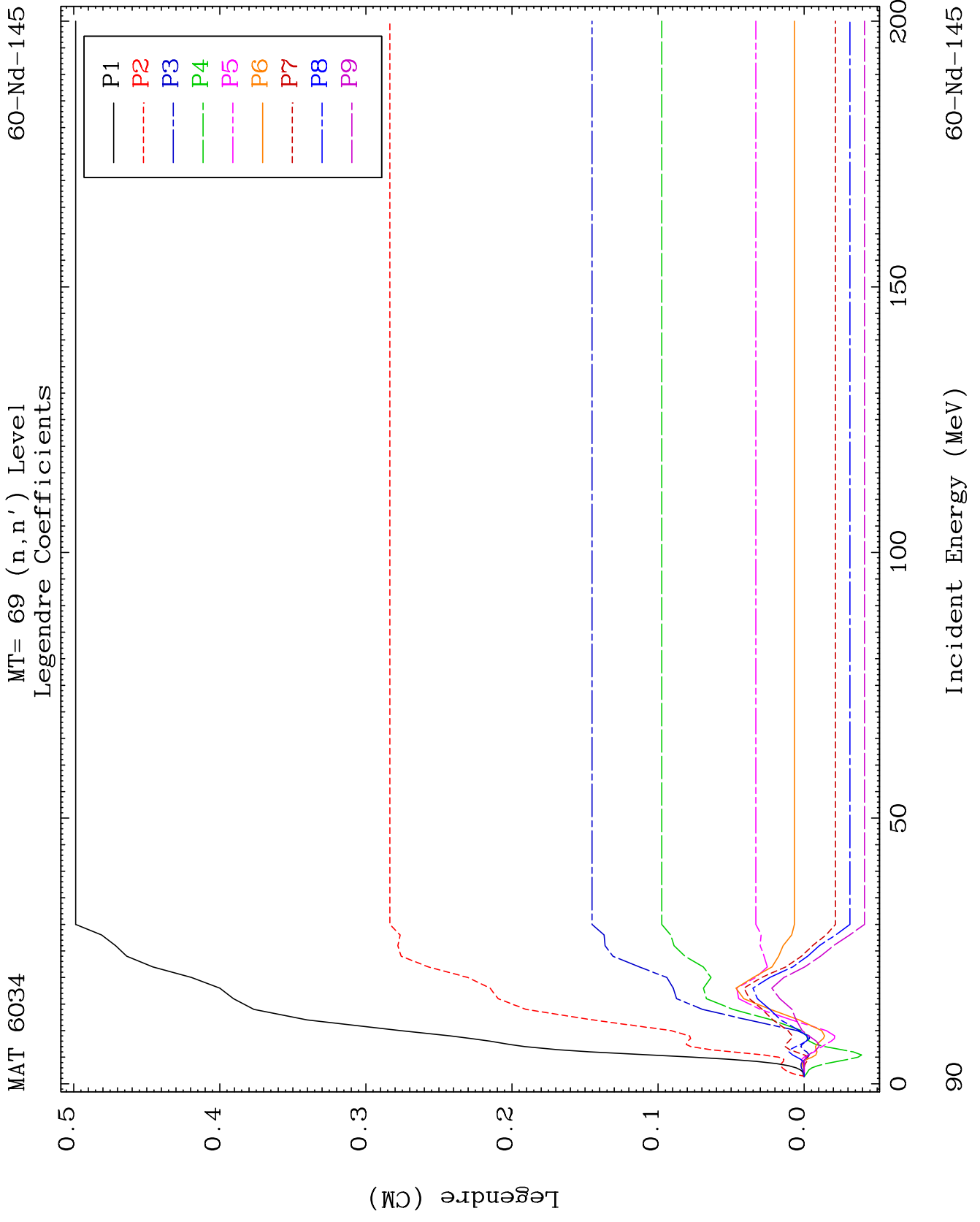
60-Nd-145



88

Incident Energy (MeV)

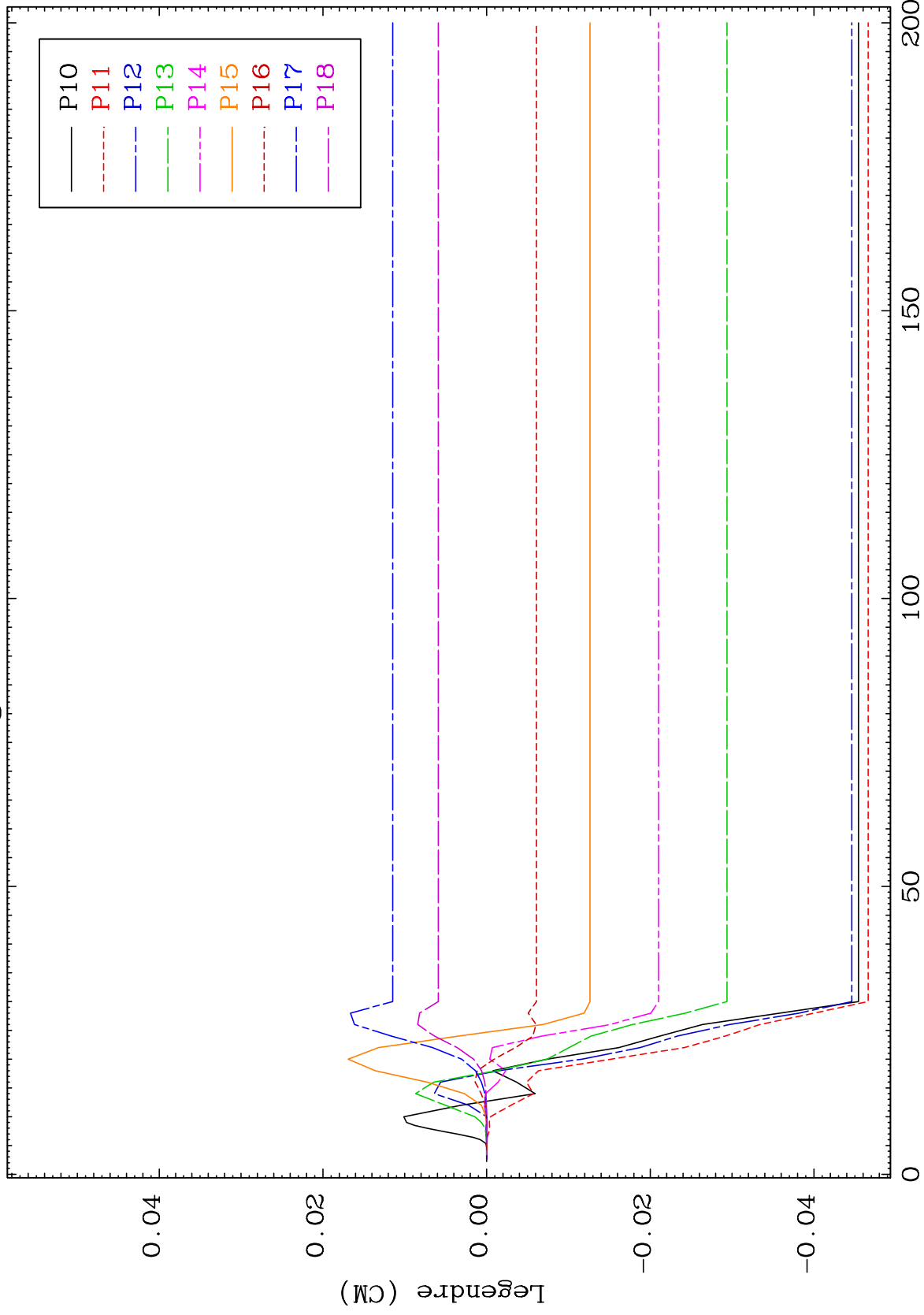
60-Nd-145



MAT 6034

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

60-Nd-145



91

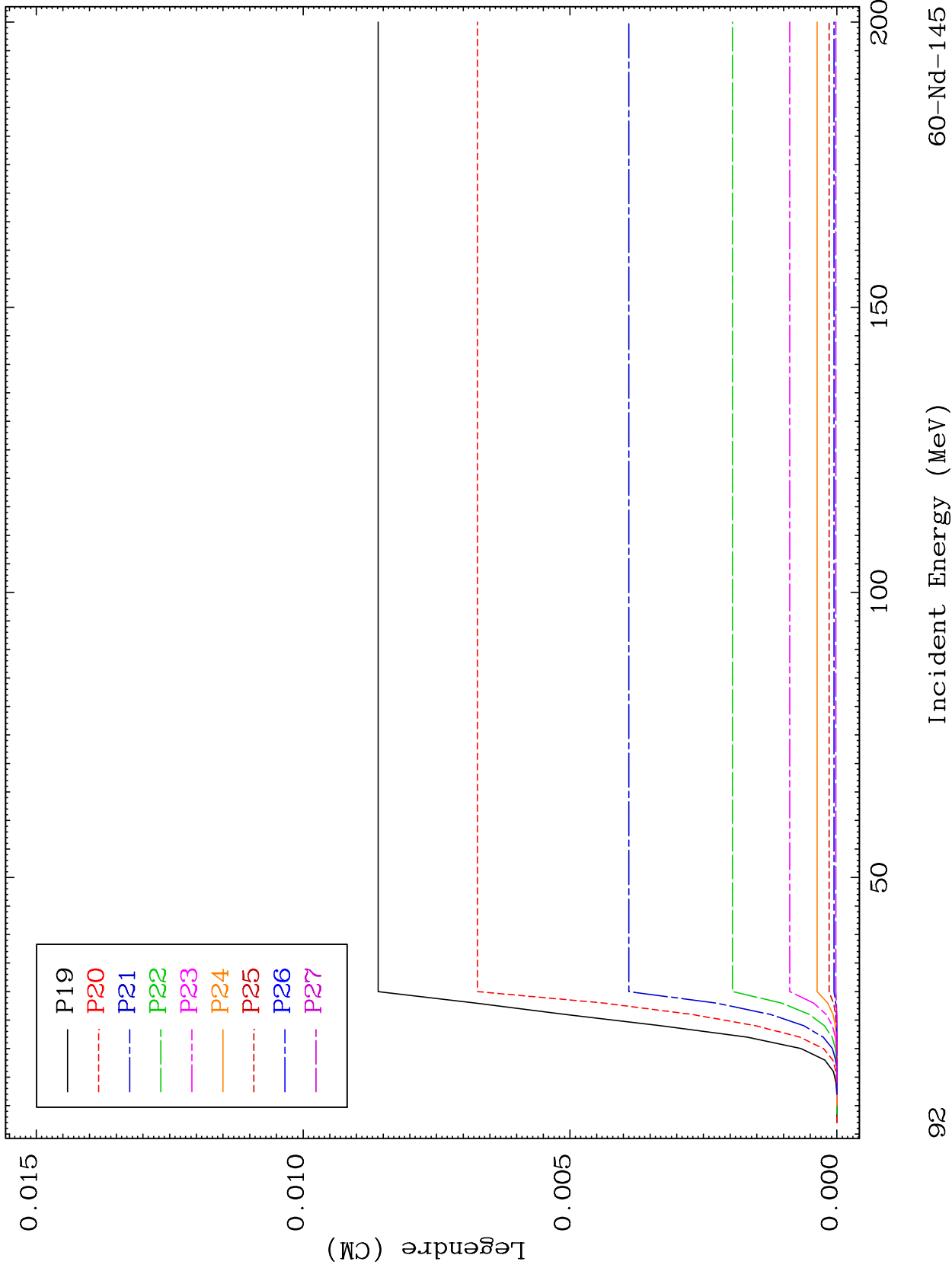
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



92

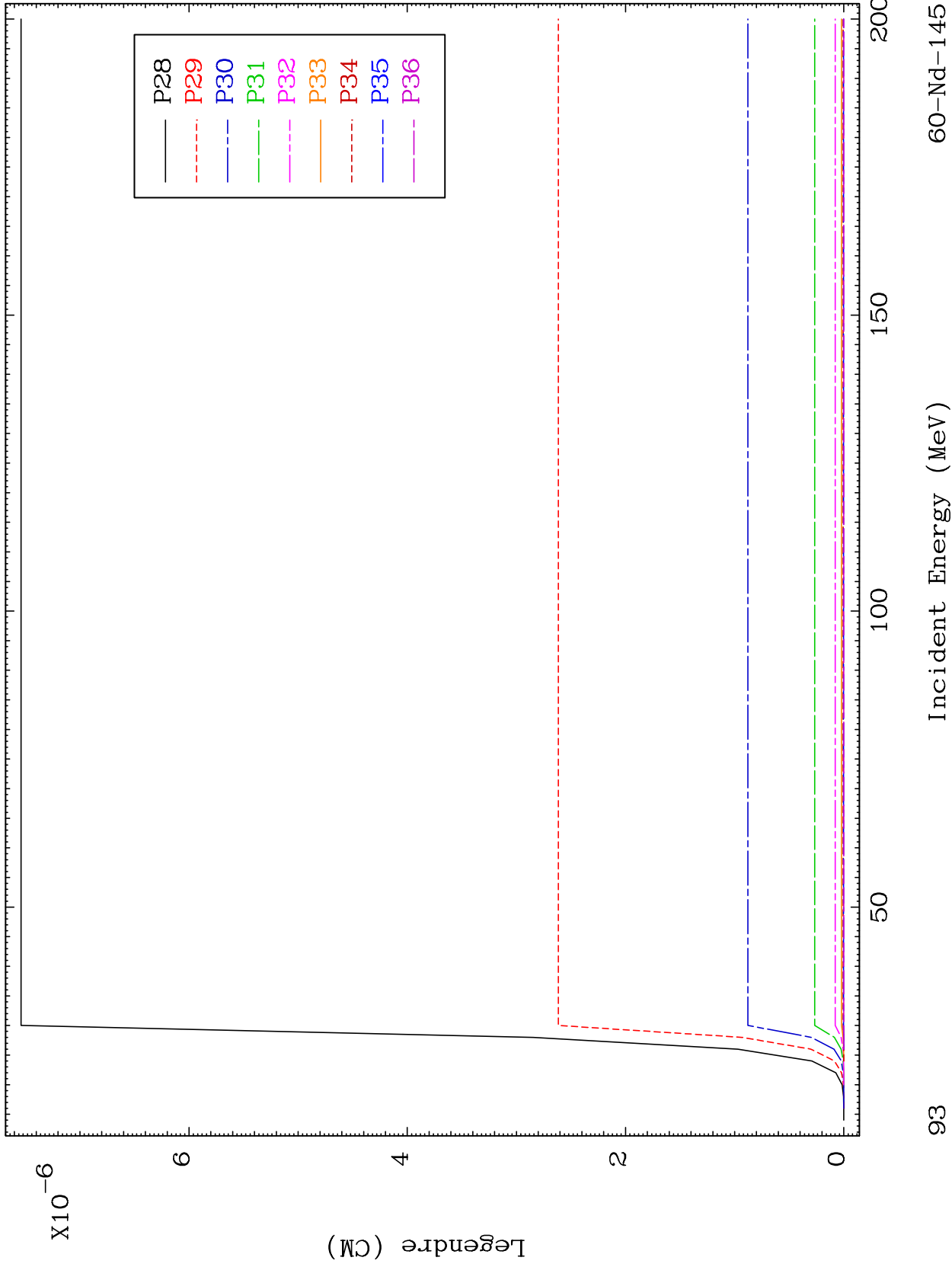
Incident Energy (MeV)

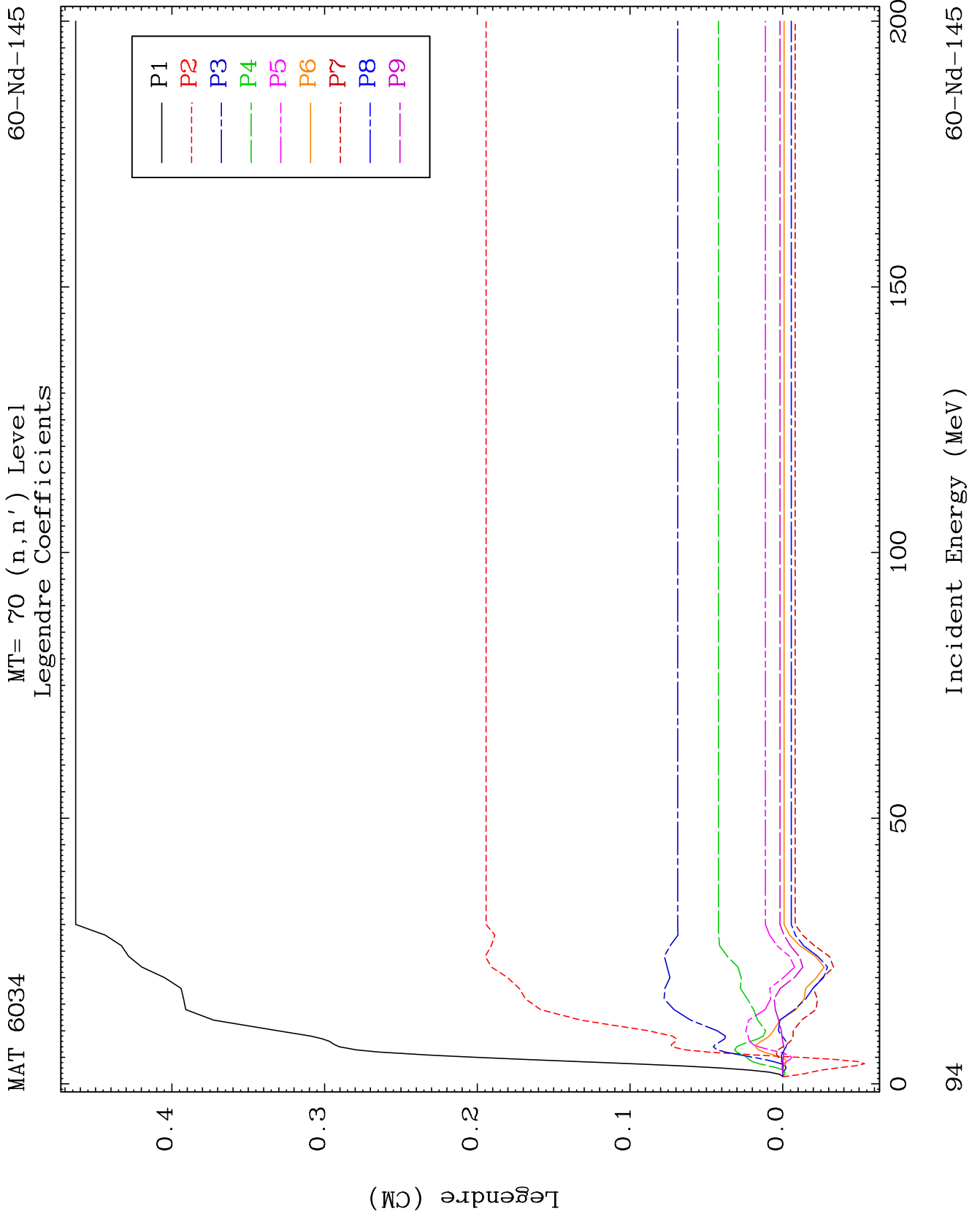
60-Nd-145

MAT 6034

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

60-Nd-145

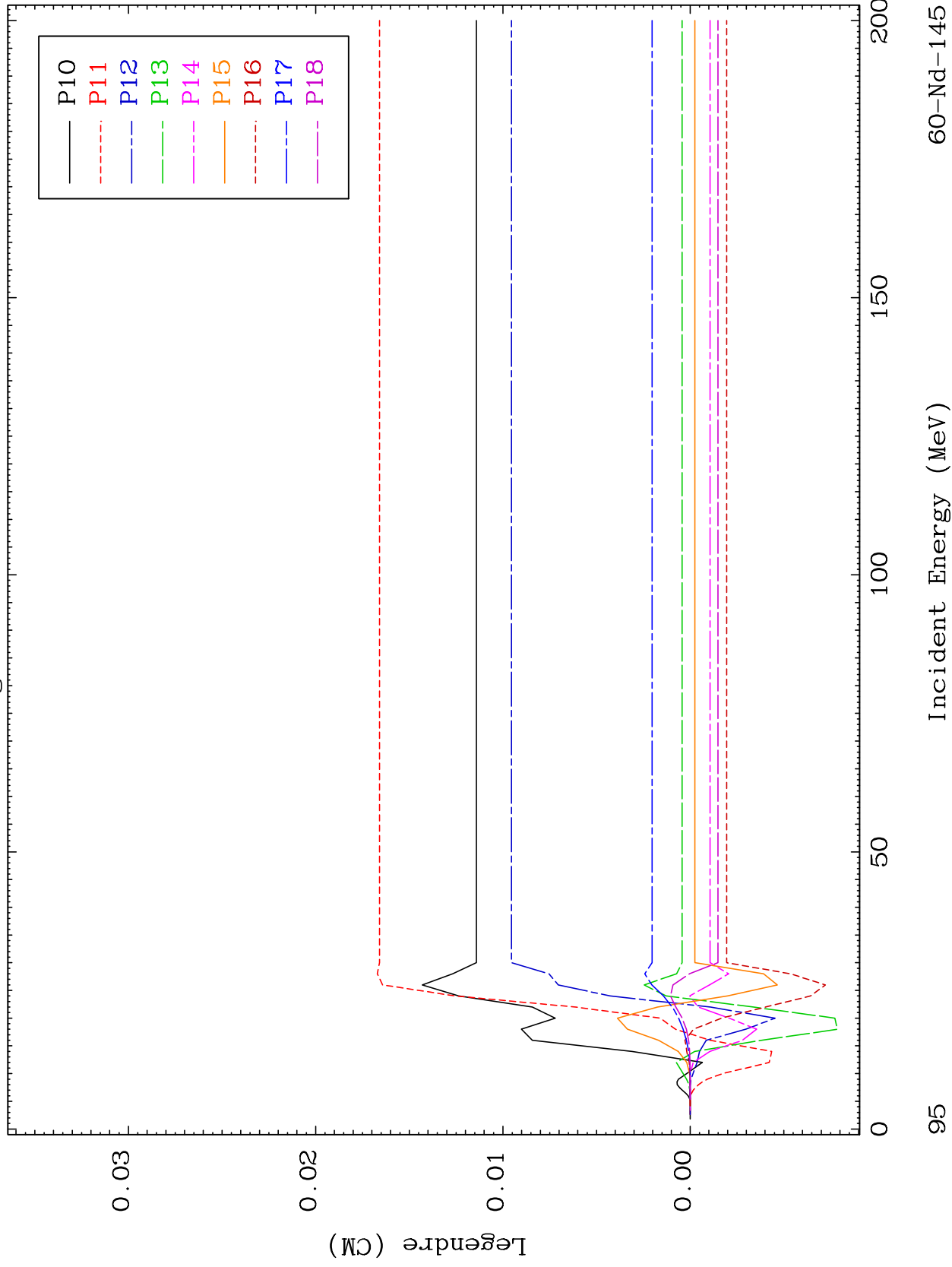




MAT 6034

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

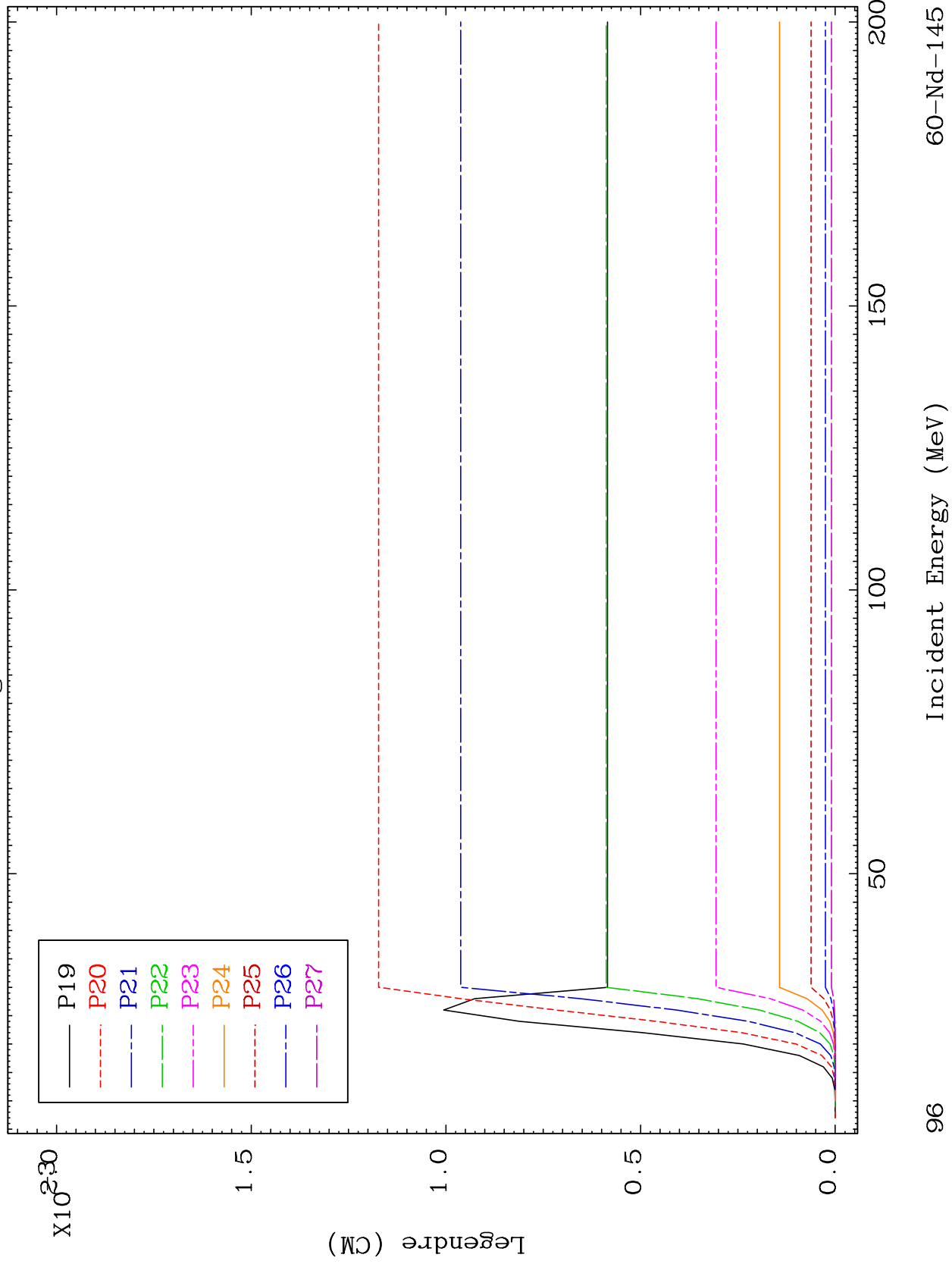
60-Nd-145



MAT 6034

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

60-Nd-145



96

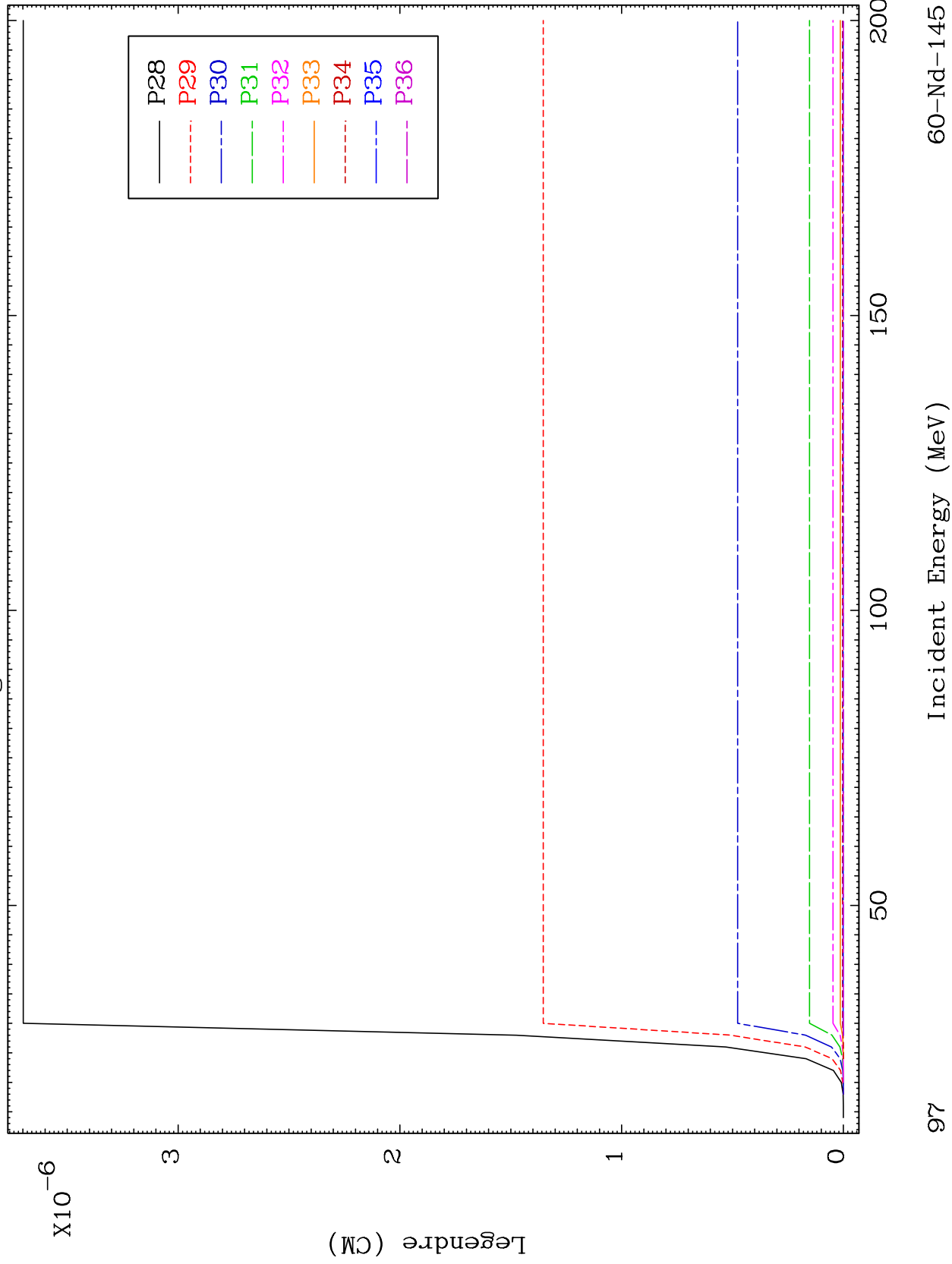
Incident Energy (MeV)

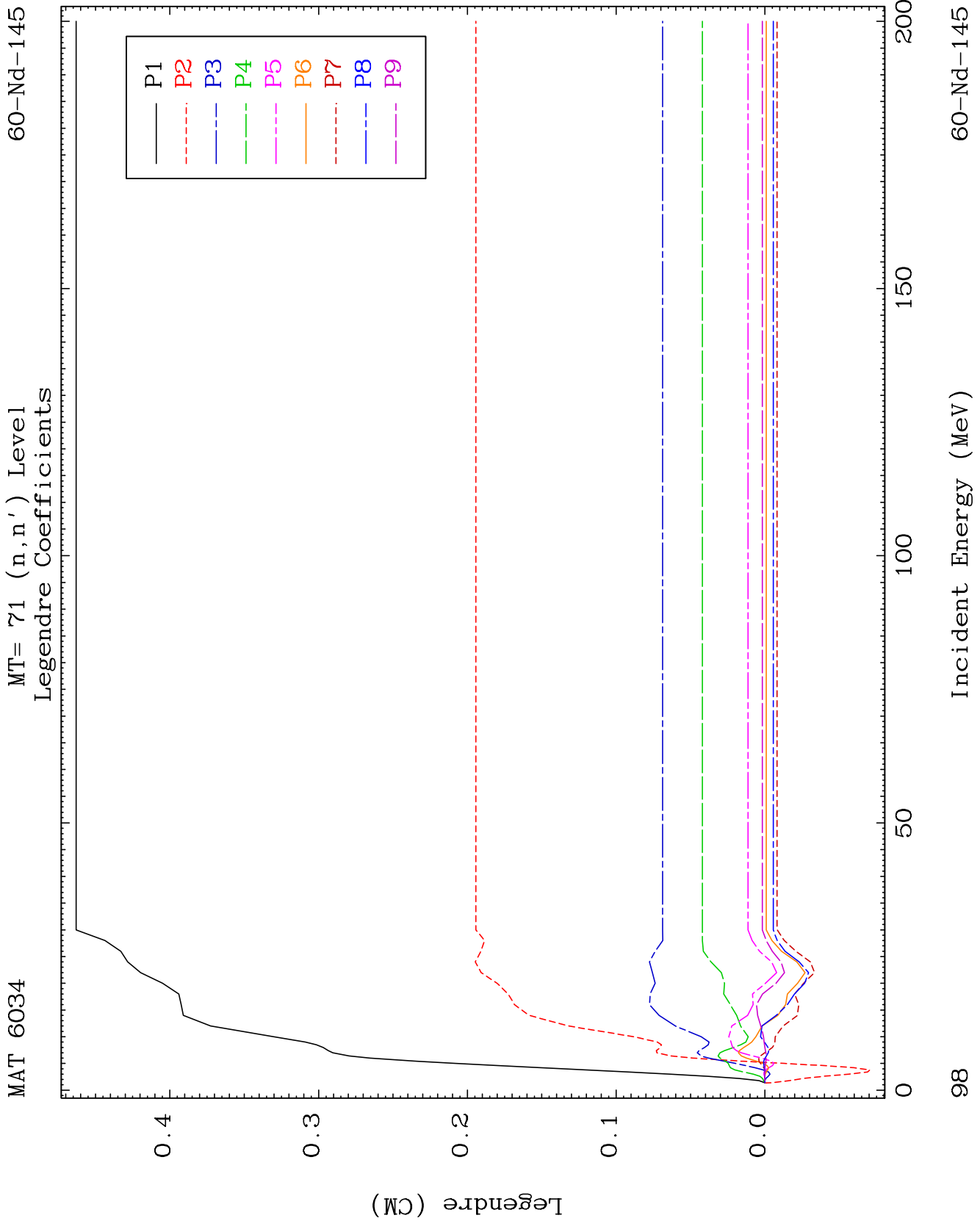
60-Nd-145

MAT 6034

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

60-Nd-145

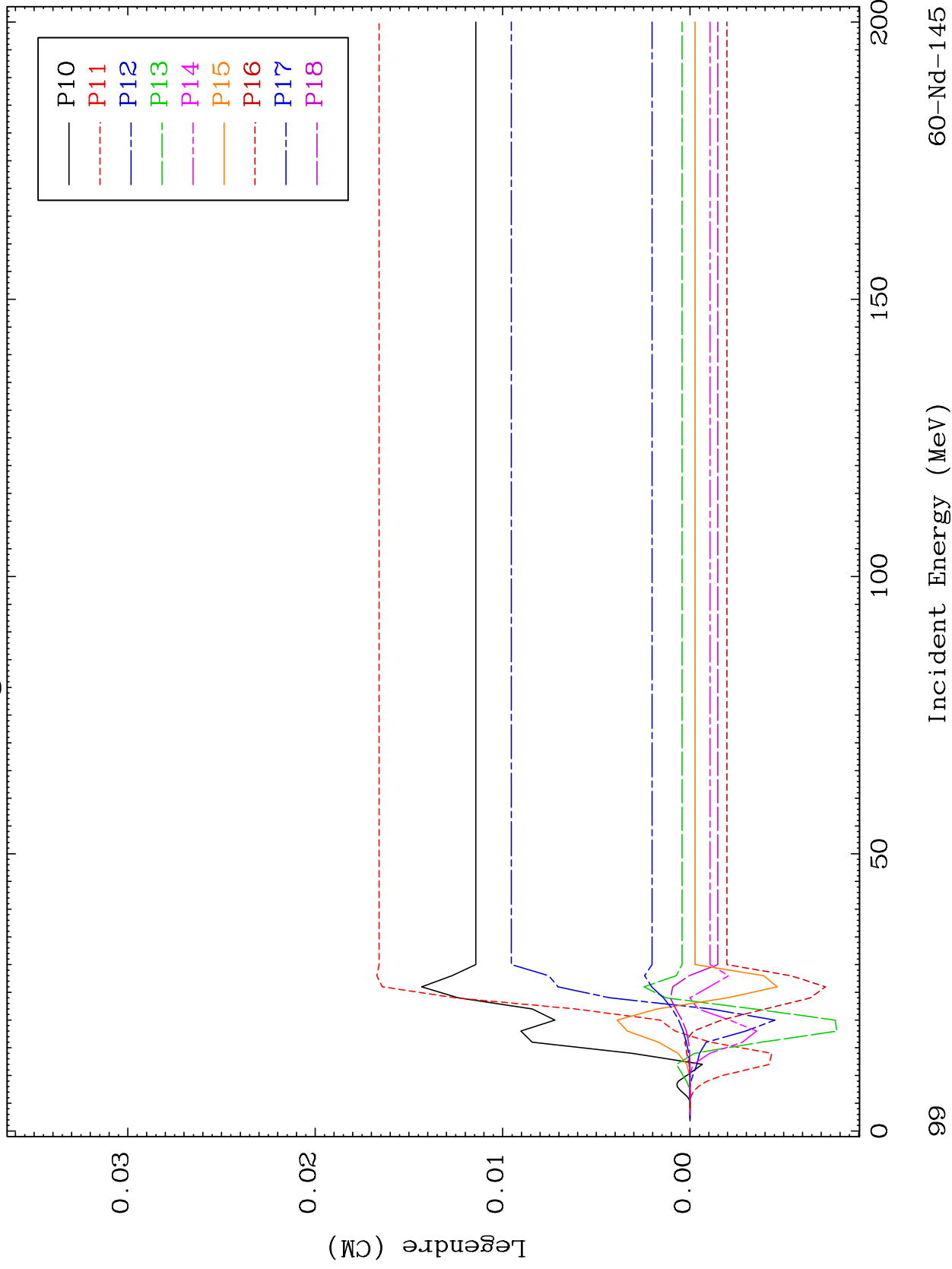




MAT 6034

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

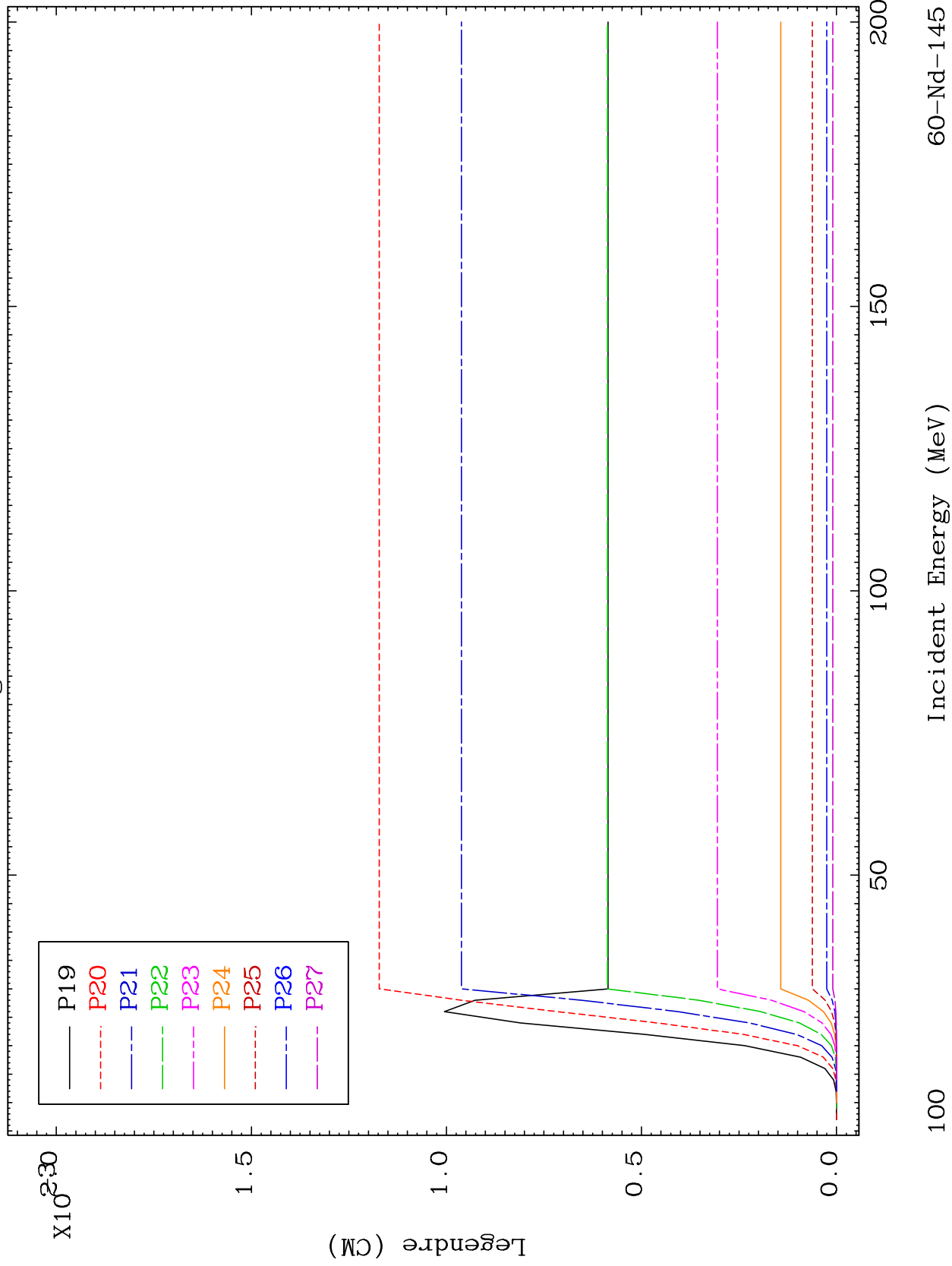
60-Nd-145



MAT 6034

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

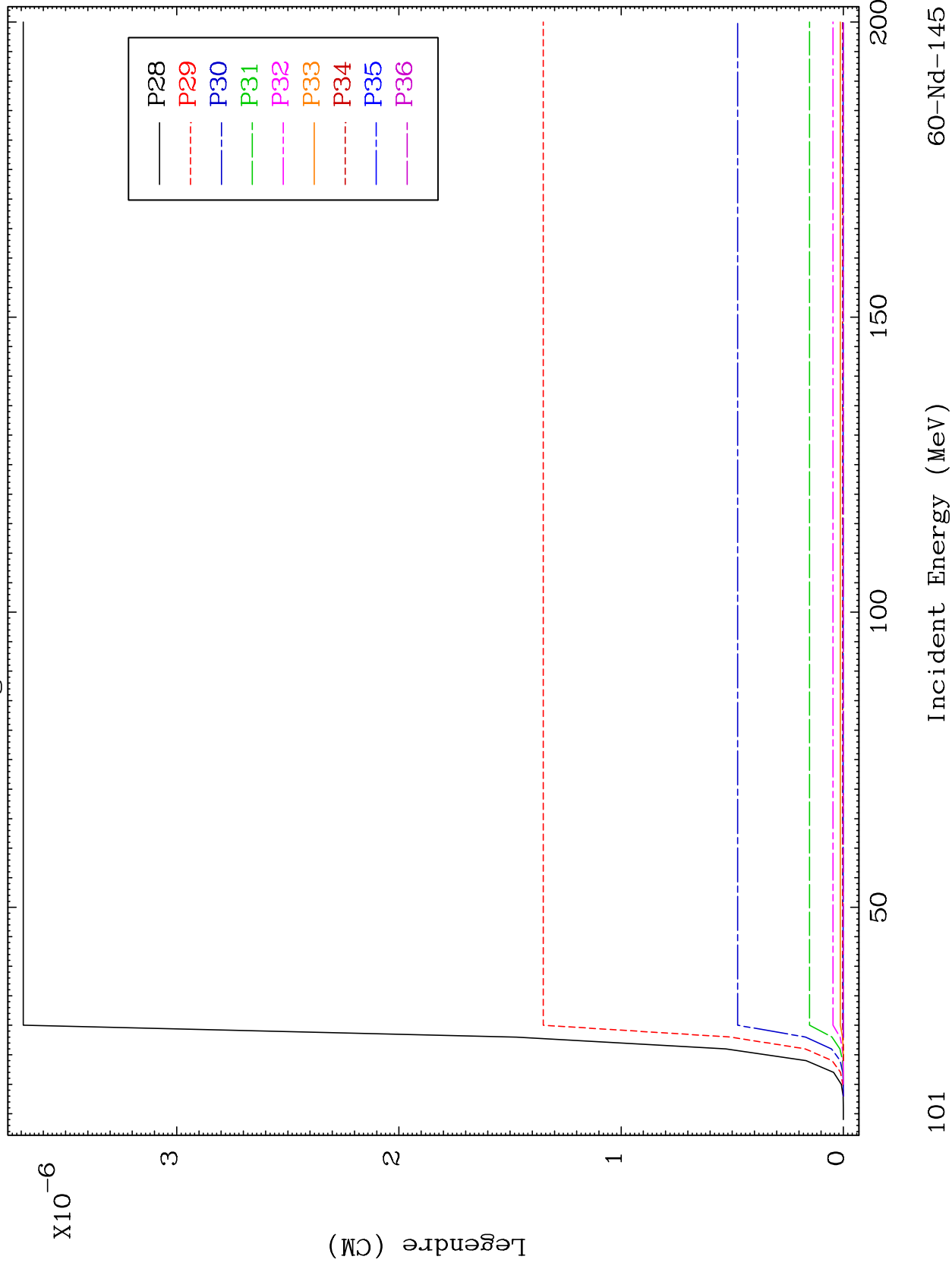
60-Nd-145



MAT 6034

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

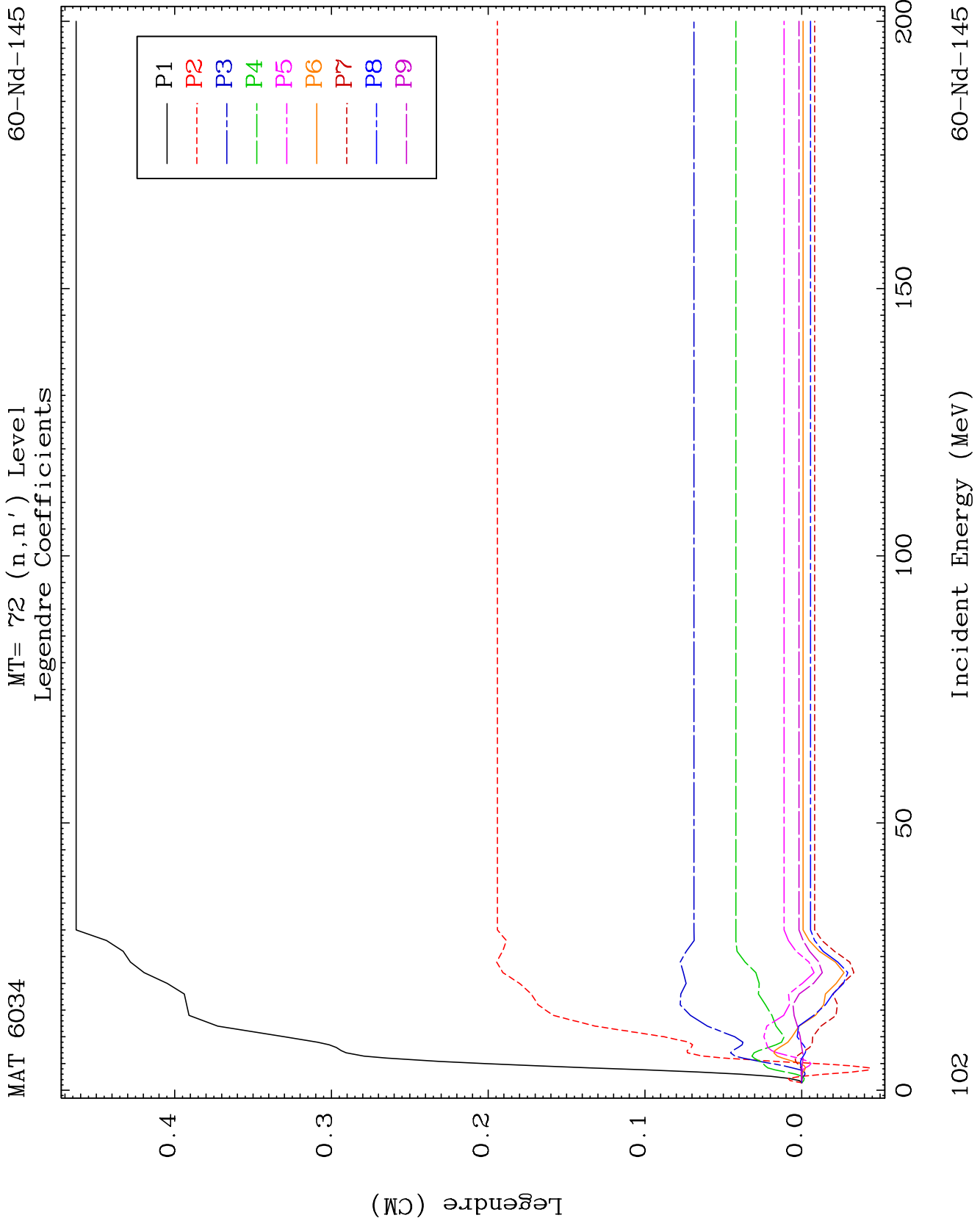
60-Nd-145

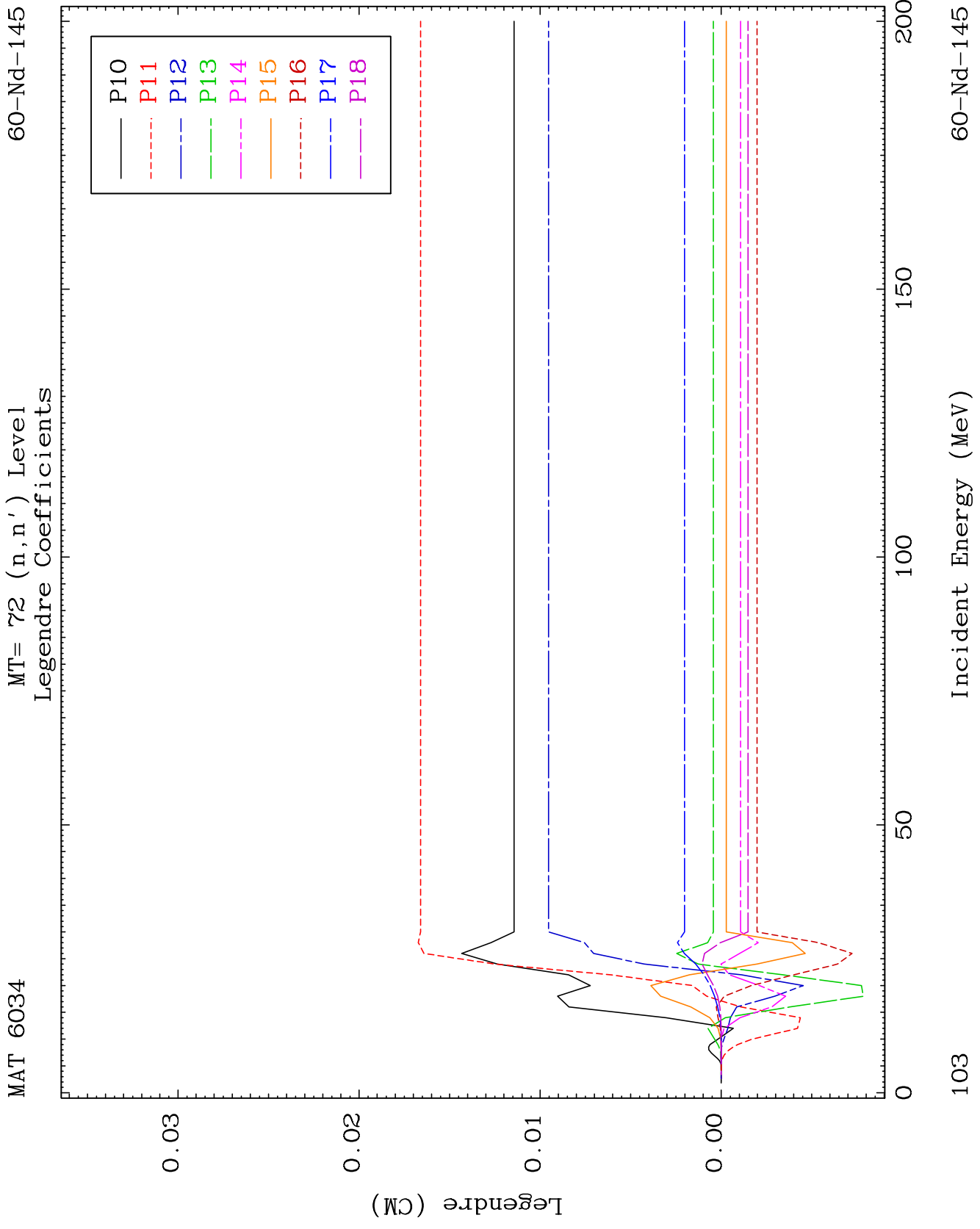


101

Incident Energy (MeV)

60-Nd-145

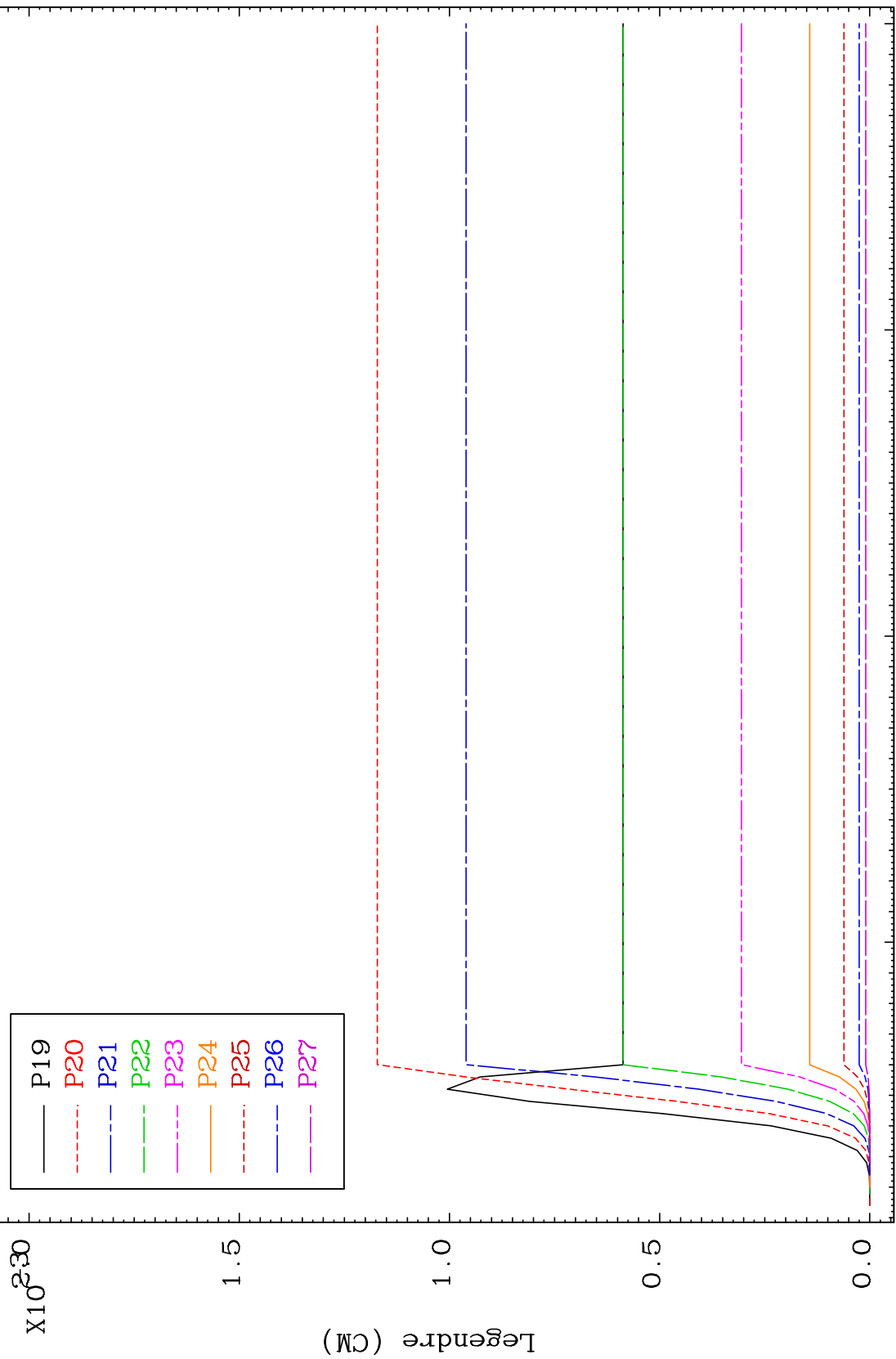
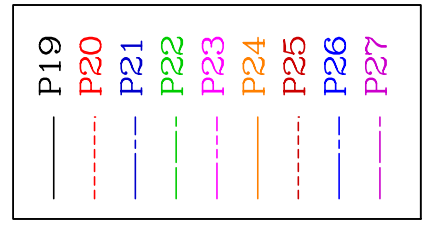




MAT 6034

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

60-Nd-145



104

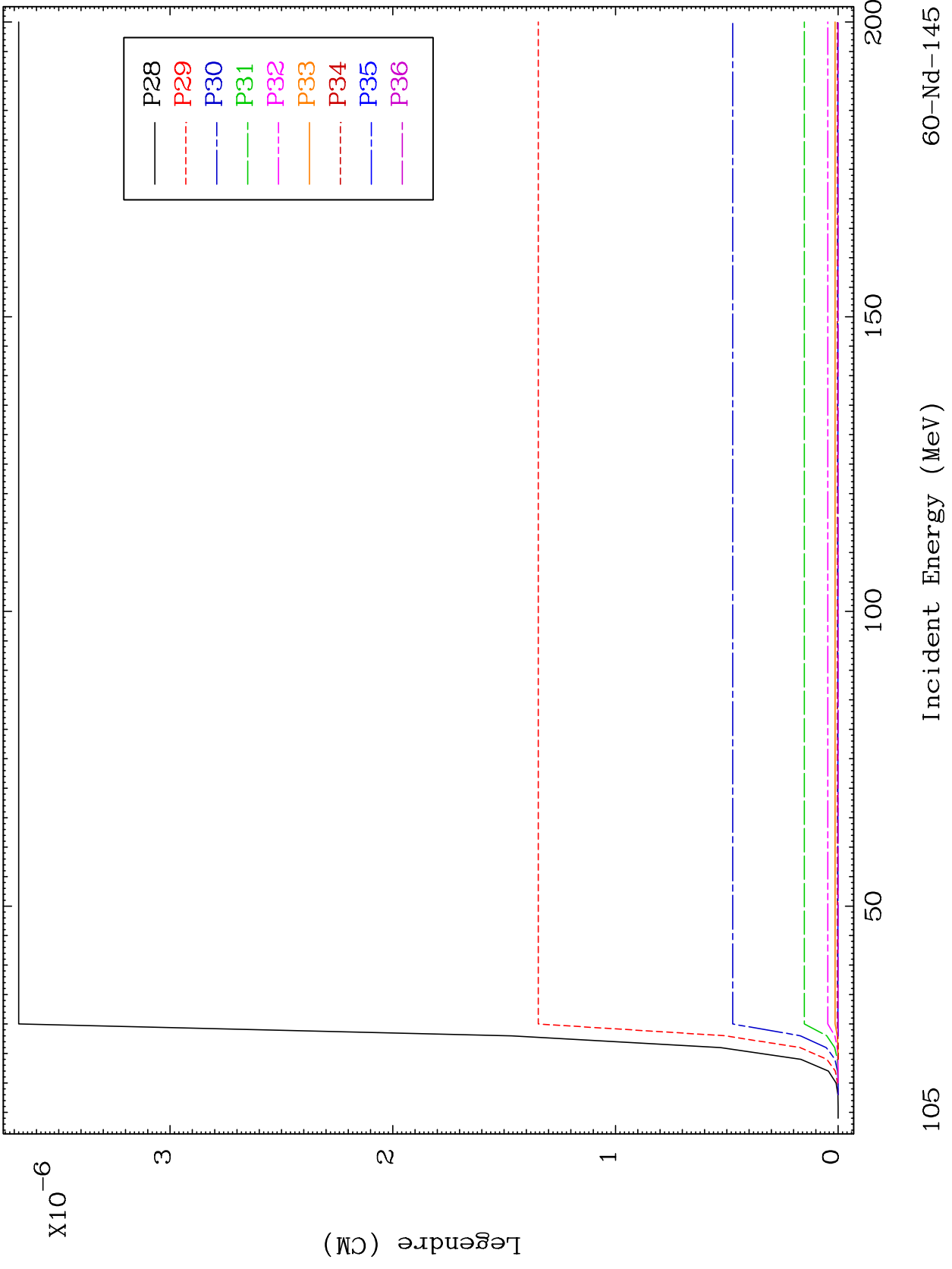
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



60-Nd-145

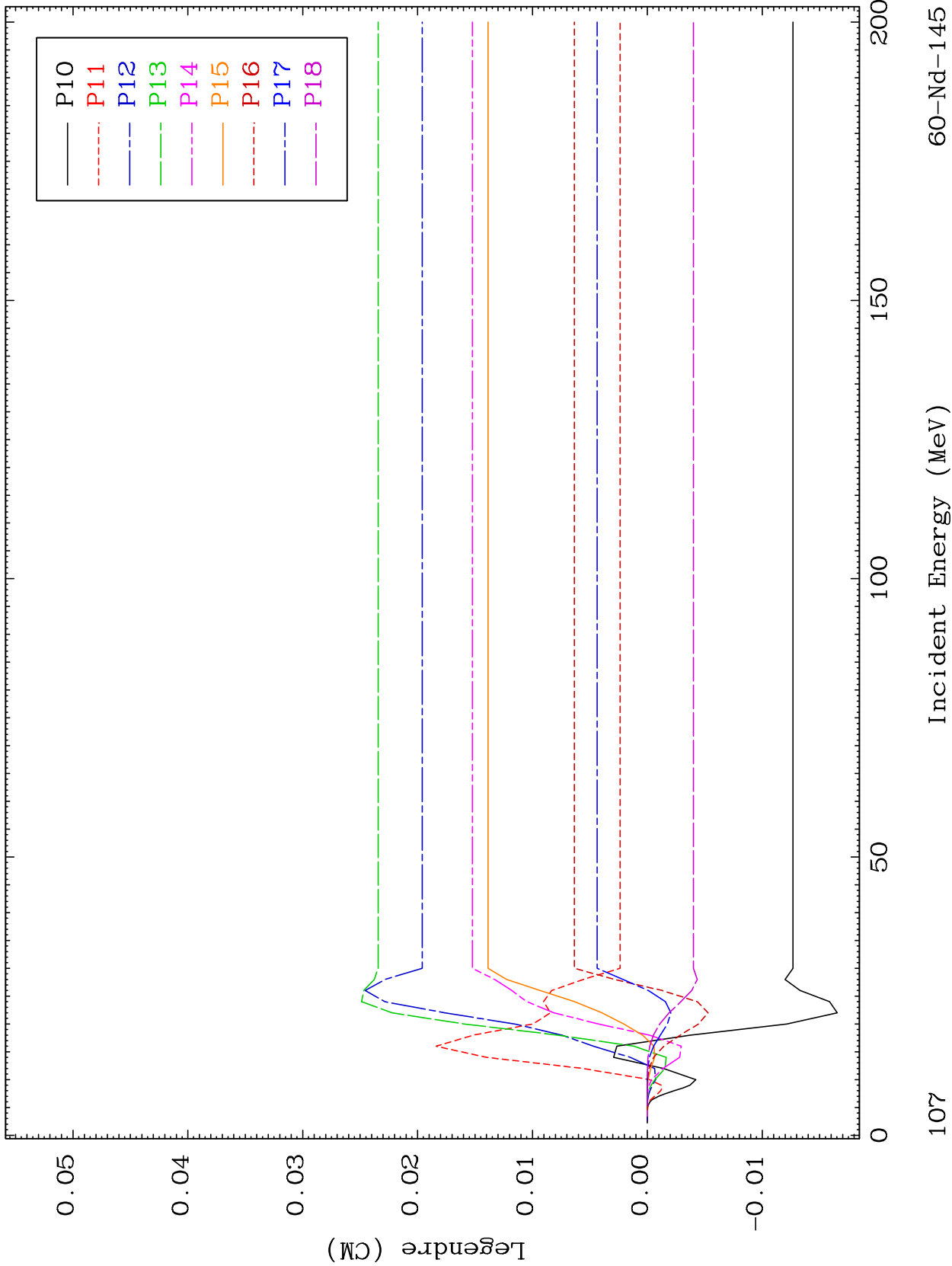
Incident Energy (MeV)

105

MAT 6034

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

60-Nd-145



107

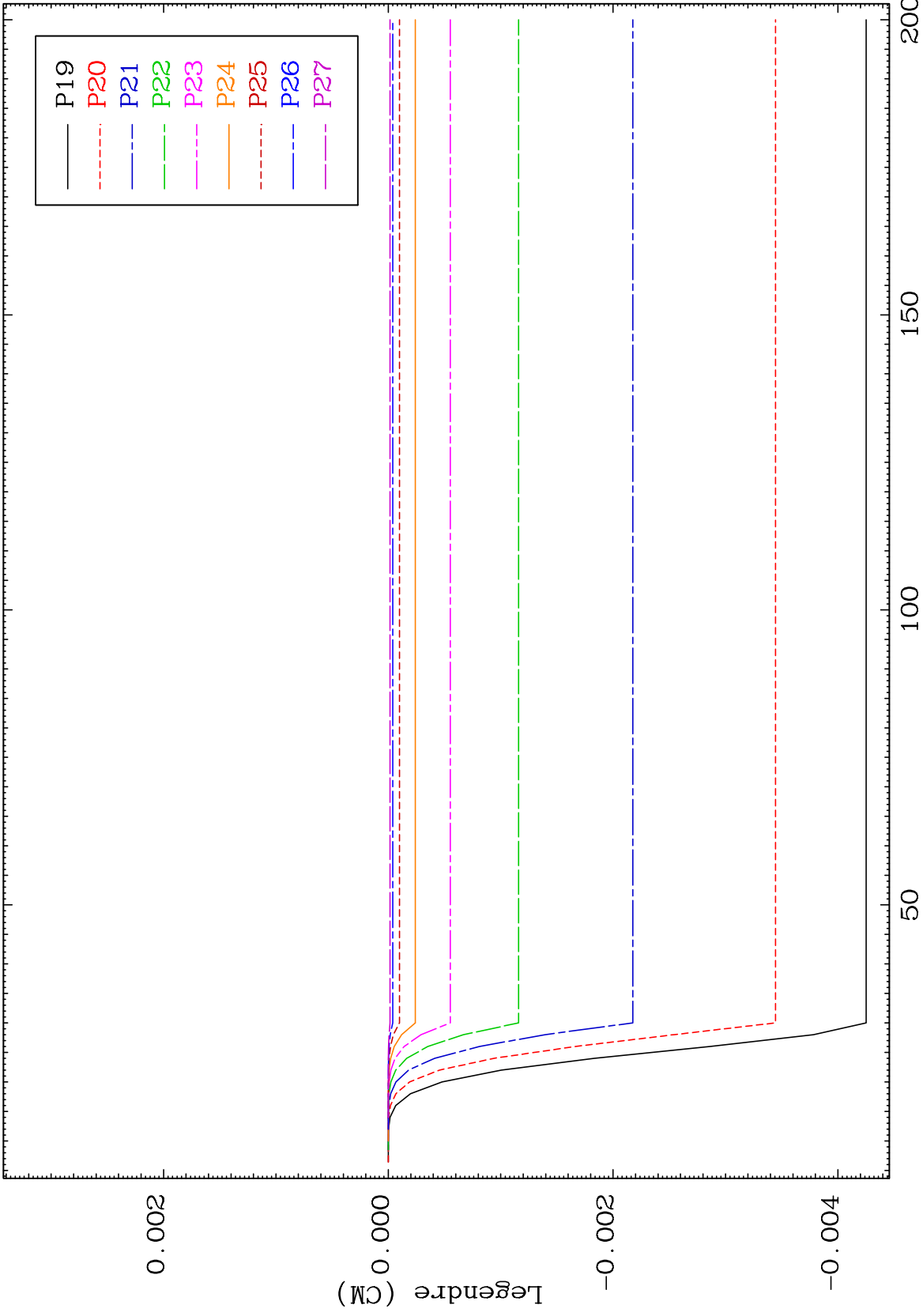
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

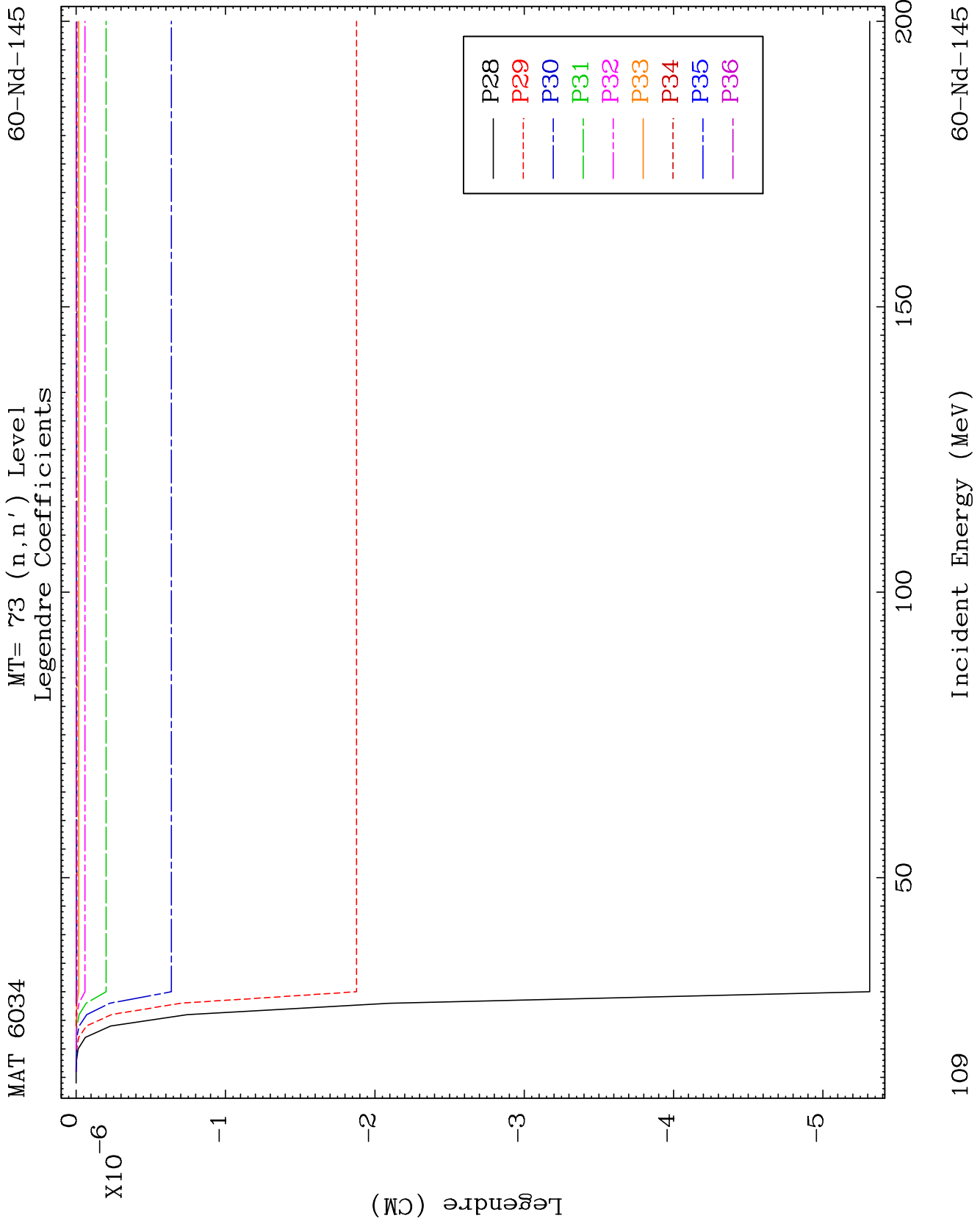
60-Nd-145

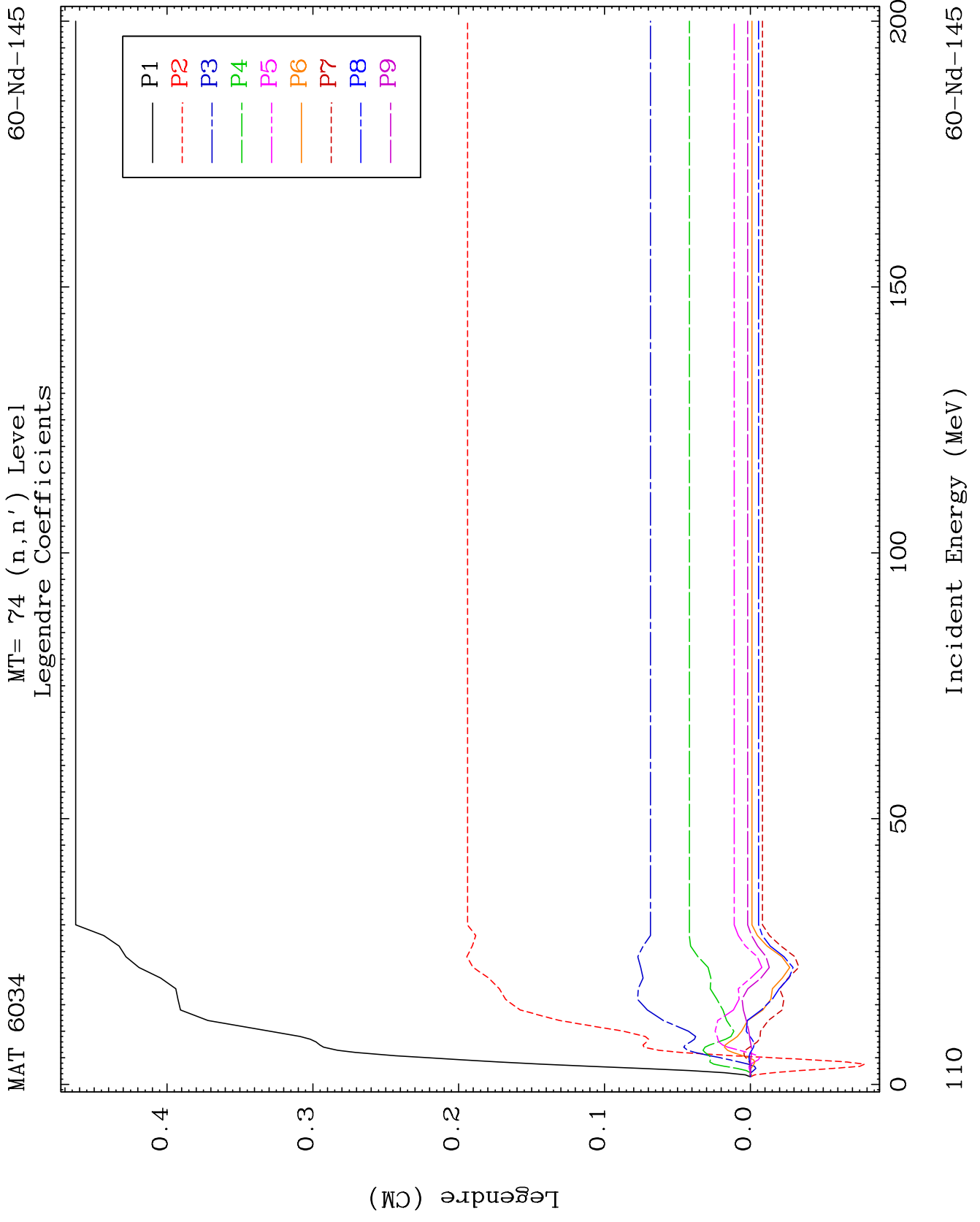


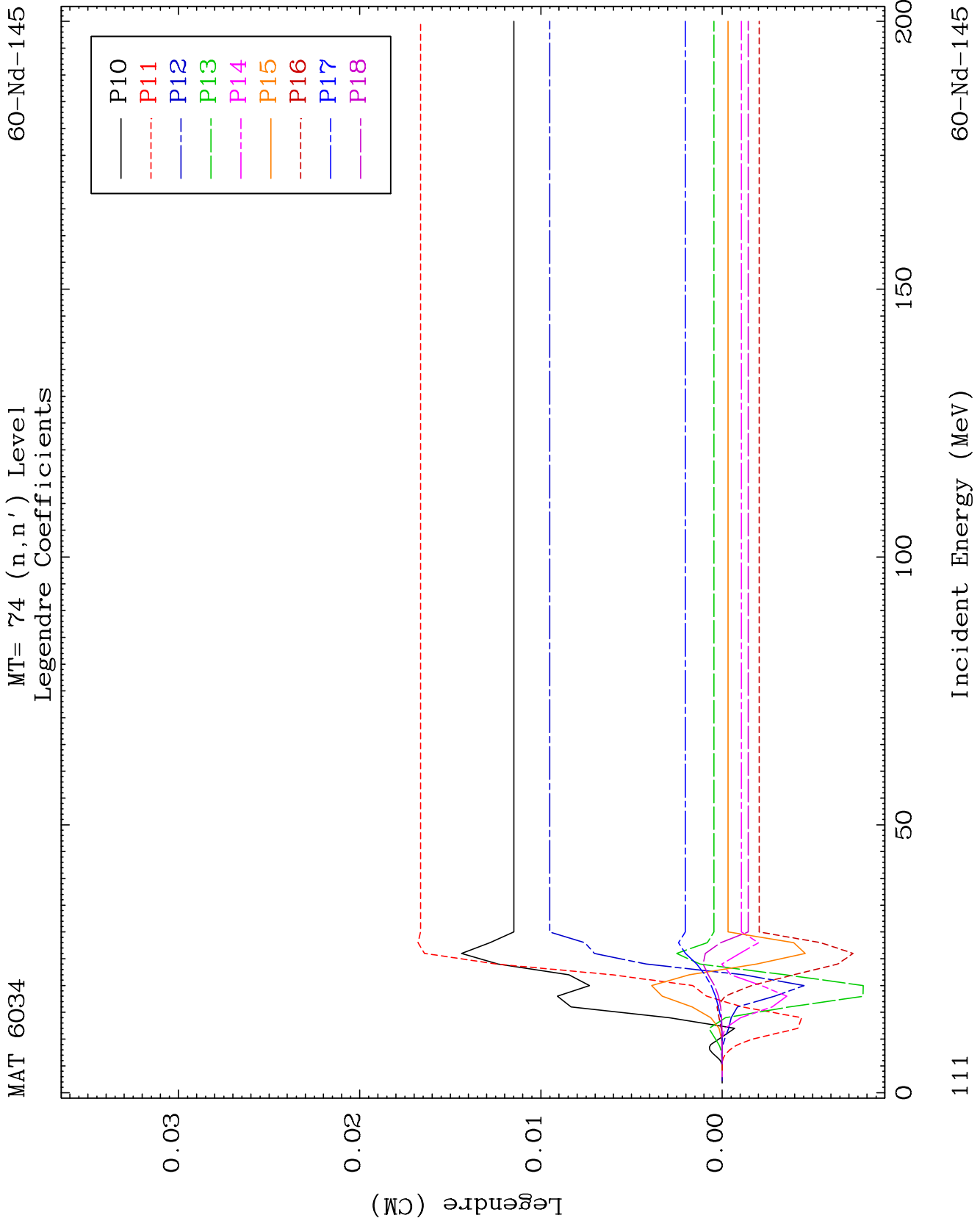
108

Incident Energy (MeV)

60-Nd-145



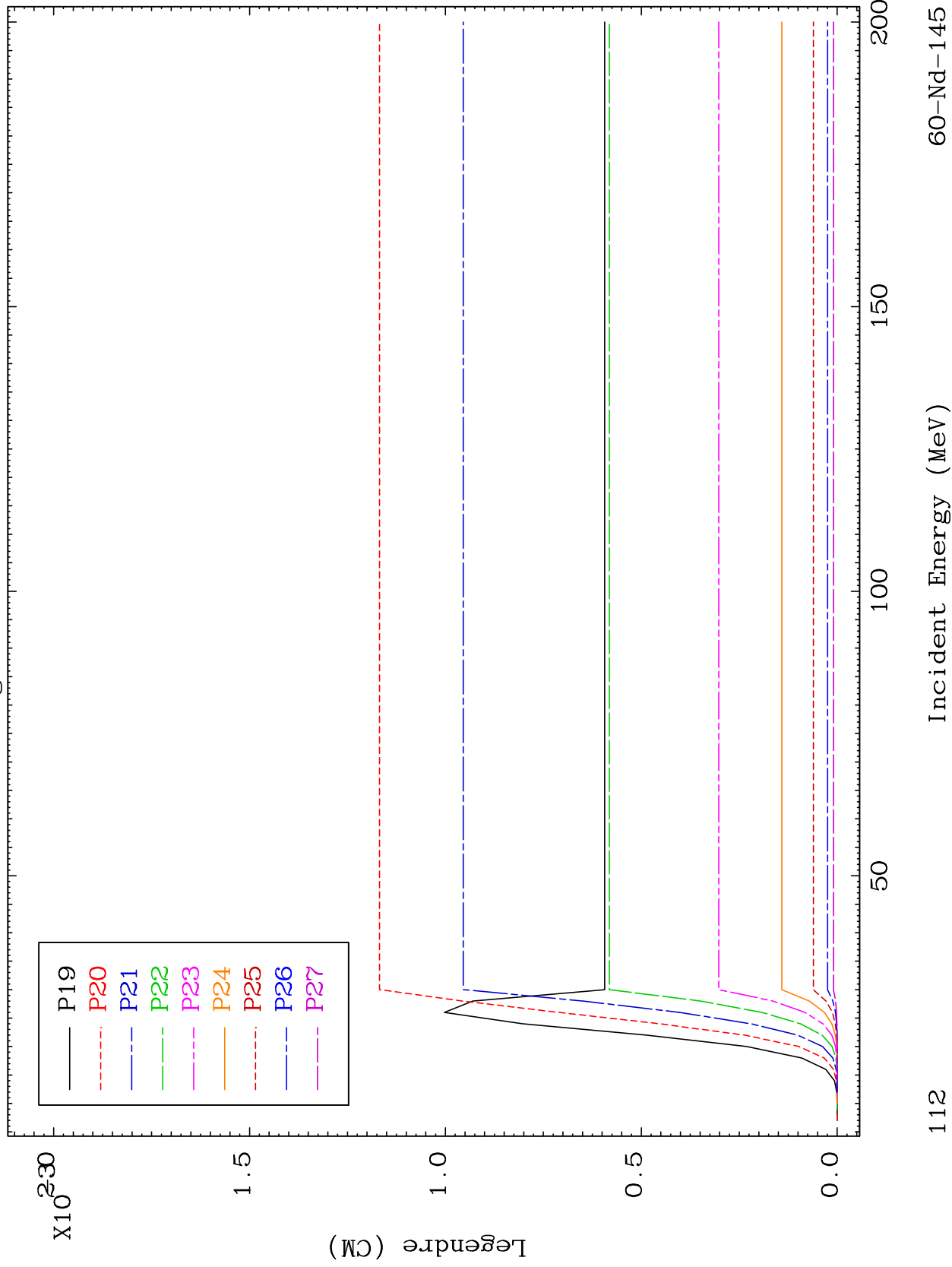




MAT 6034

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

60-Nd-145

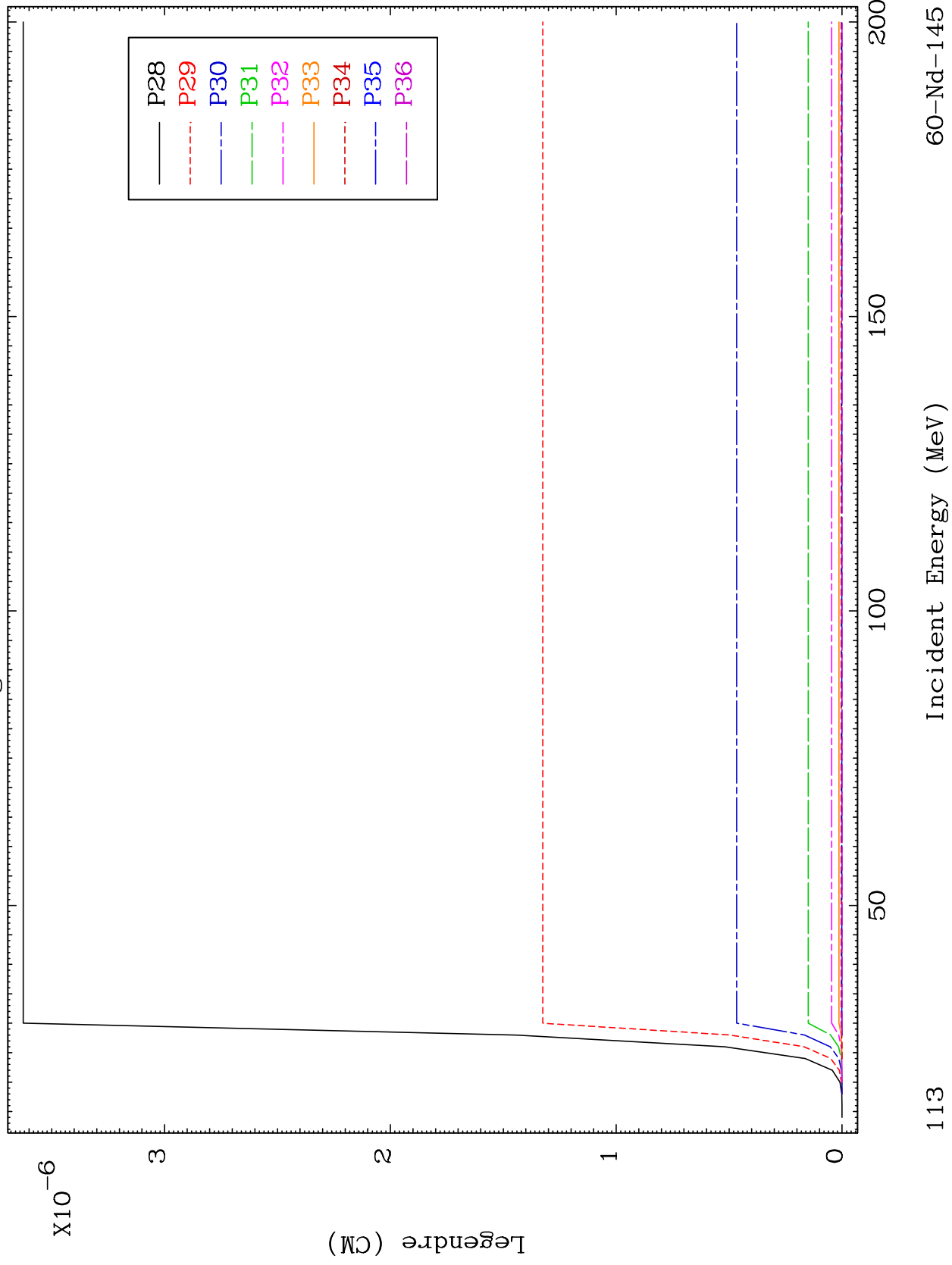


112

MAT 6034

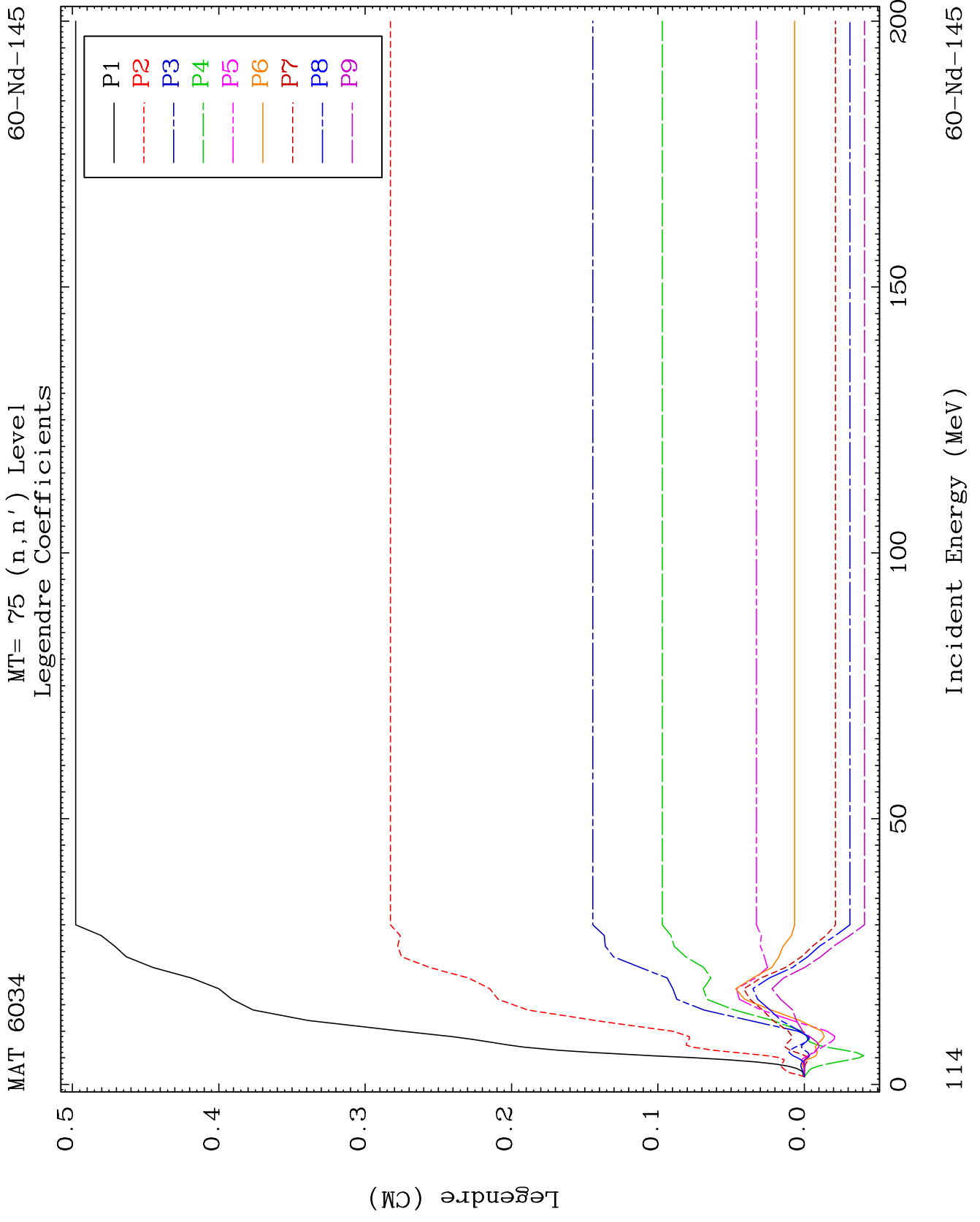
MT= 74 (n,n') Level
Legendre Coefficients

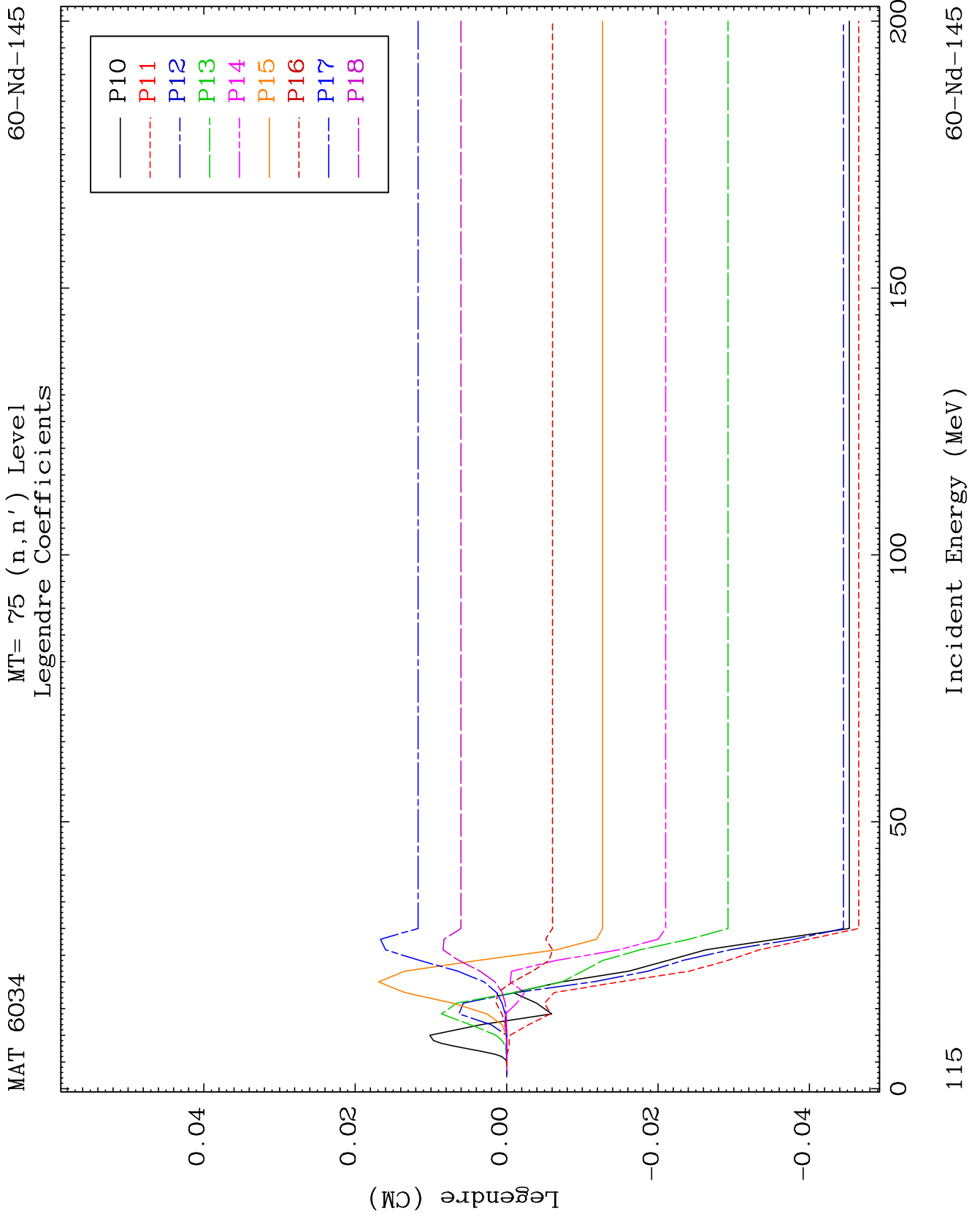
60-Nd-145



113

60-Nd-145

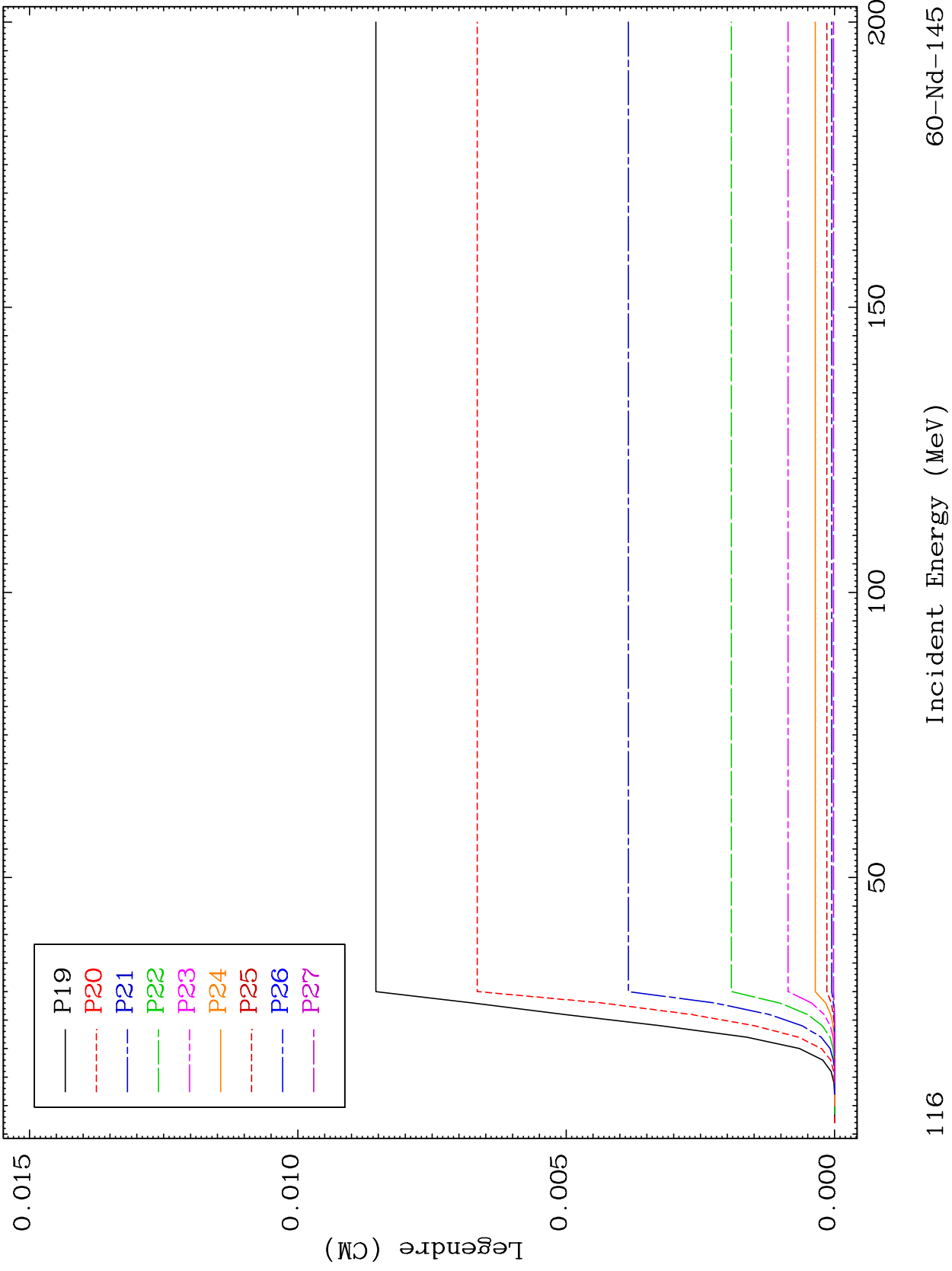




MAT 6034

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

60-Nd-145



116

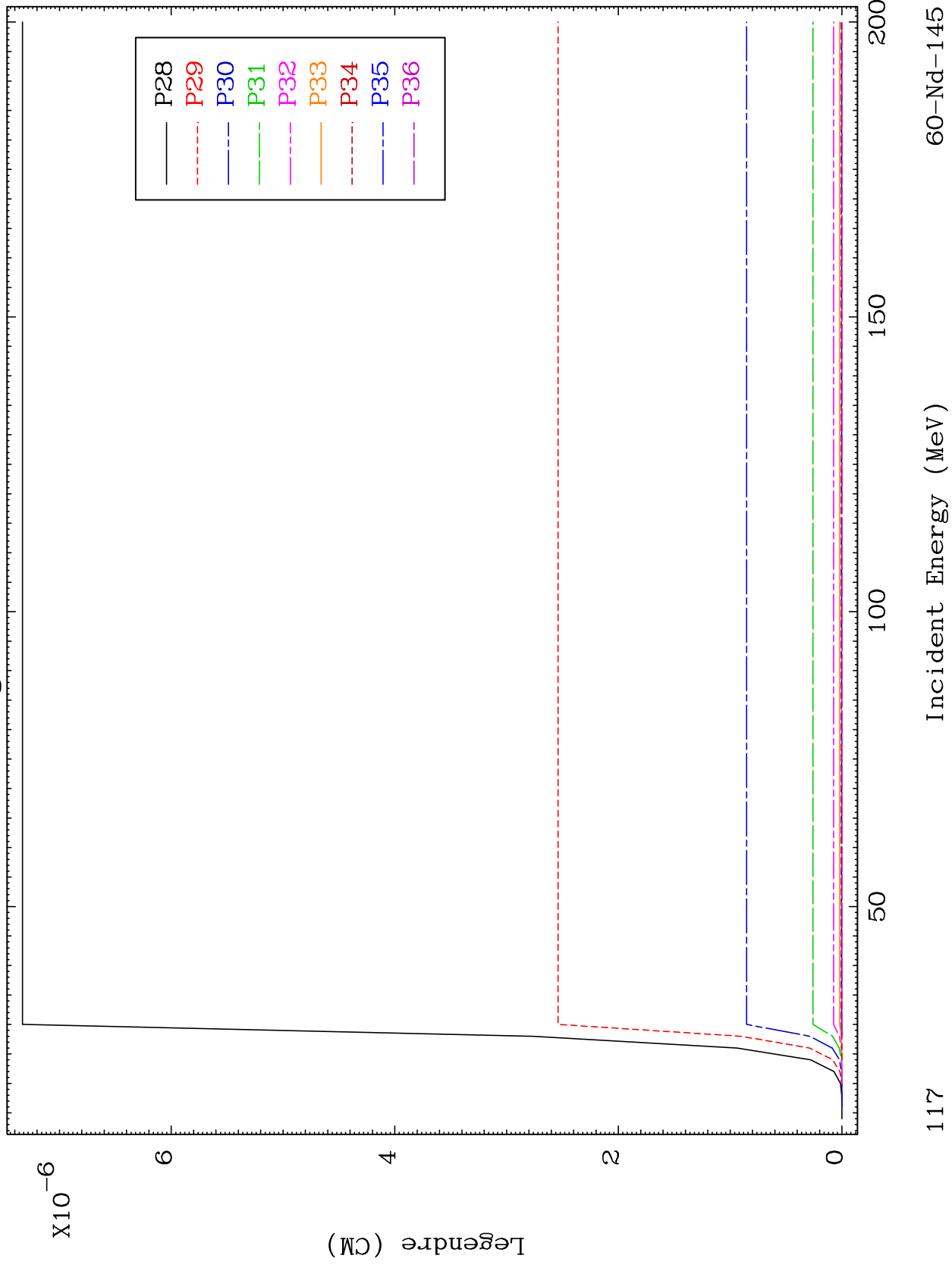
Incident Energy (MeV)

60-Nd-145

MAT 6034

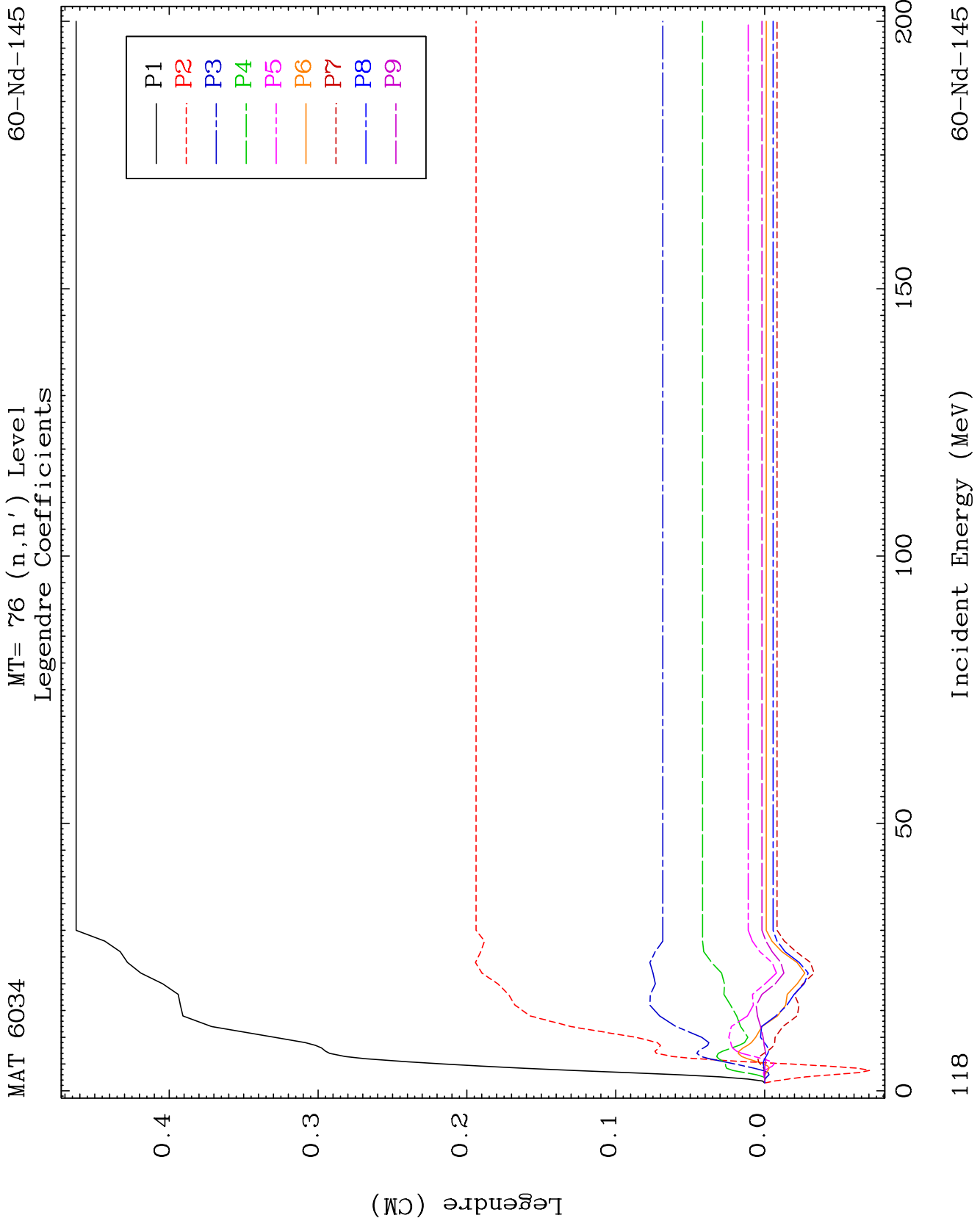
MT= 75 (n,n') Level
Legendre Coefficients

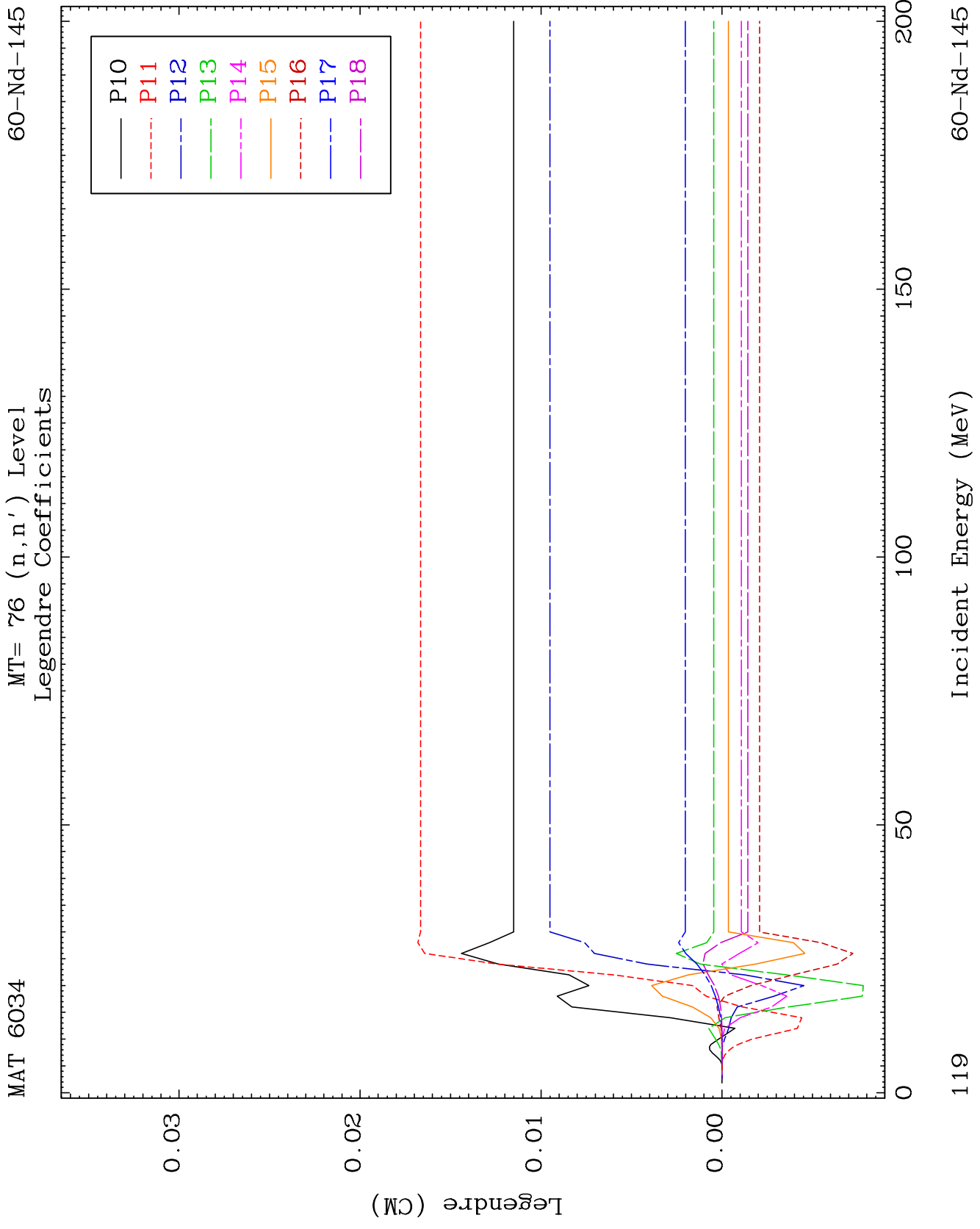
60-Nd-145



117

60-Nd-145

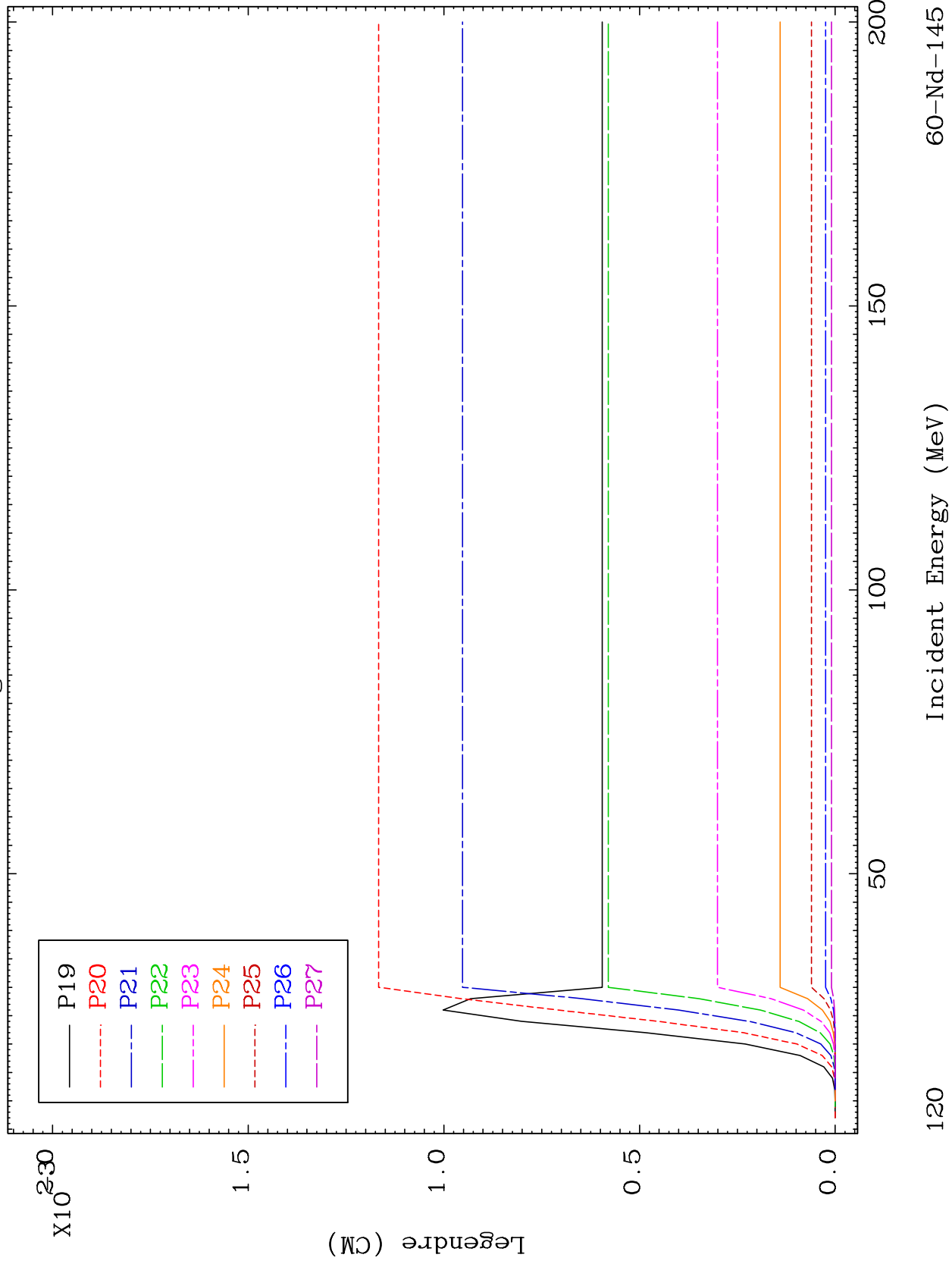




MAT 6034

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

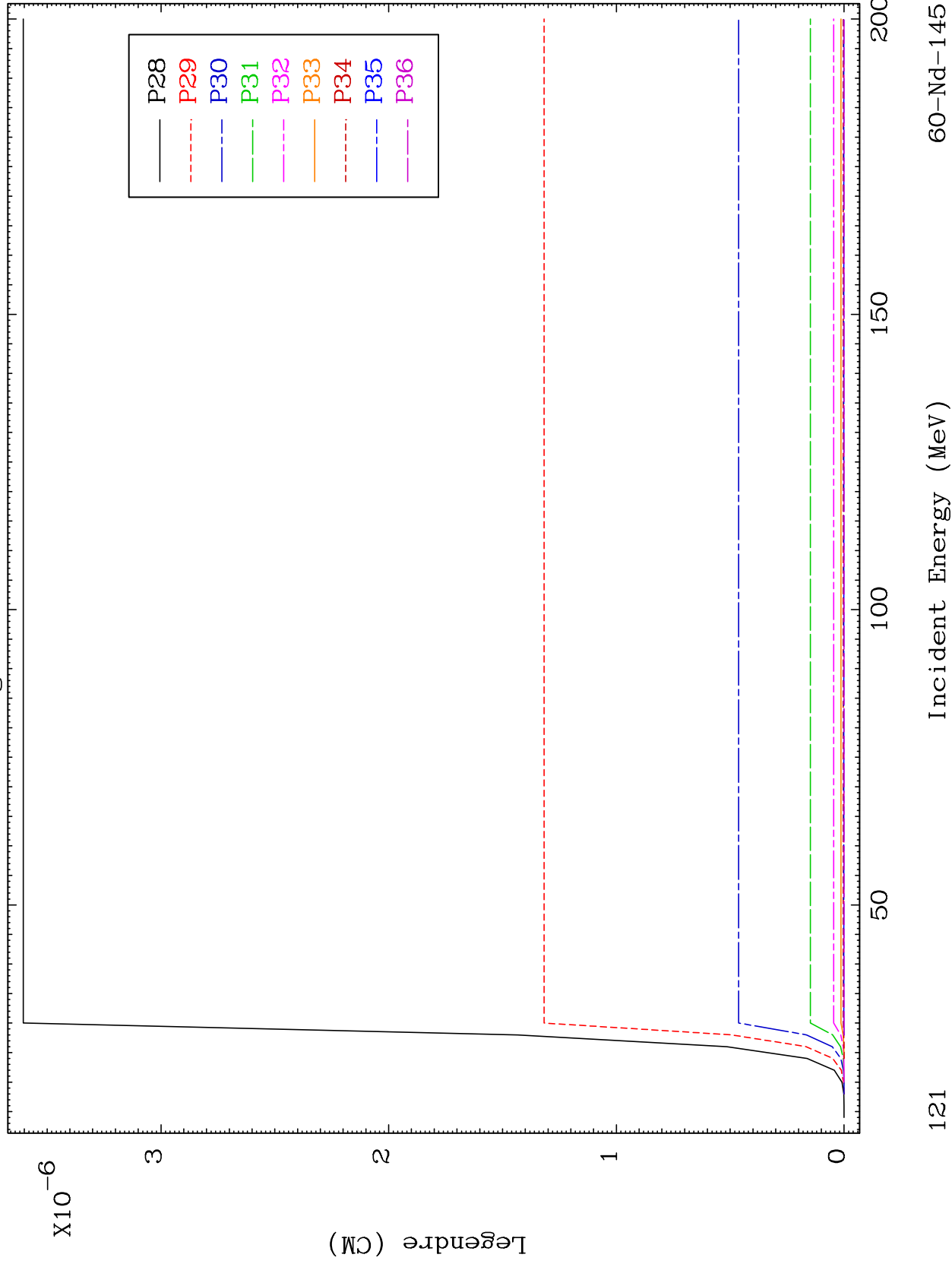
60-Nd-145



MAT 6034

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

60-Nd-145



121

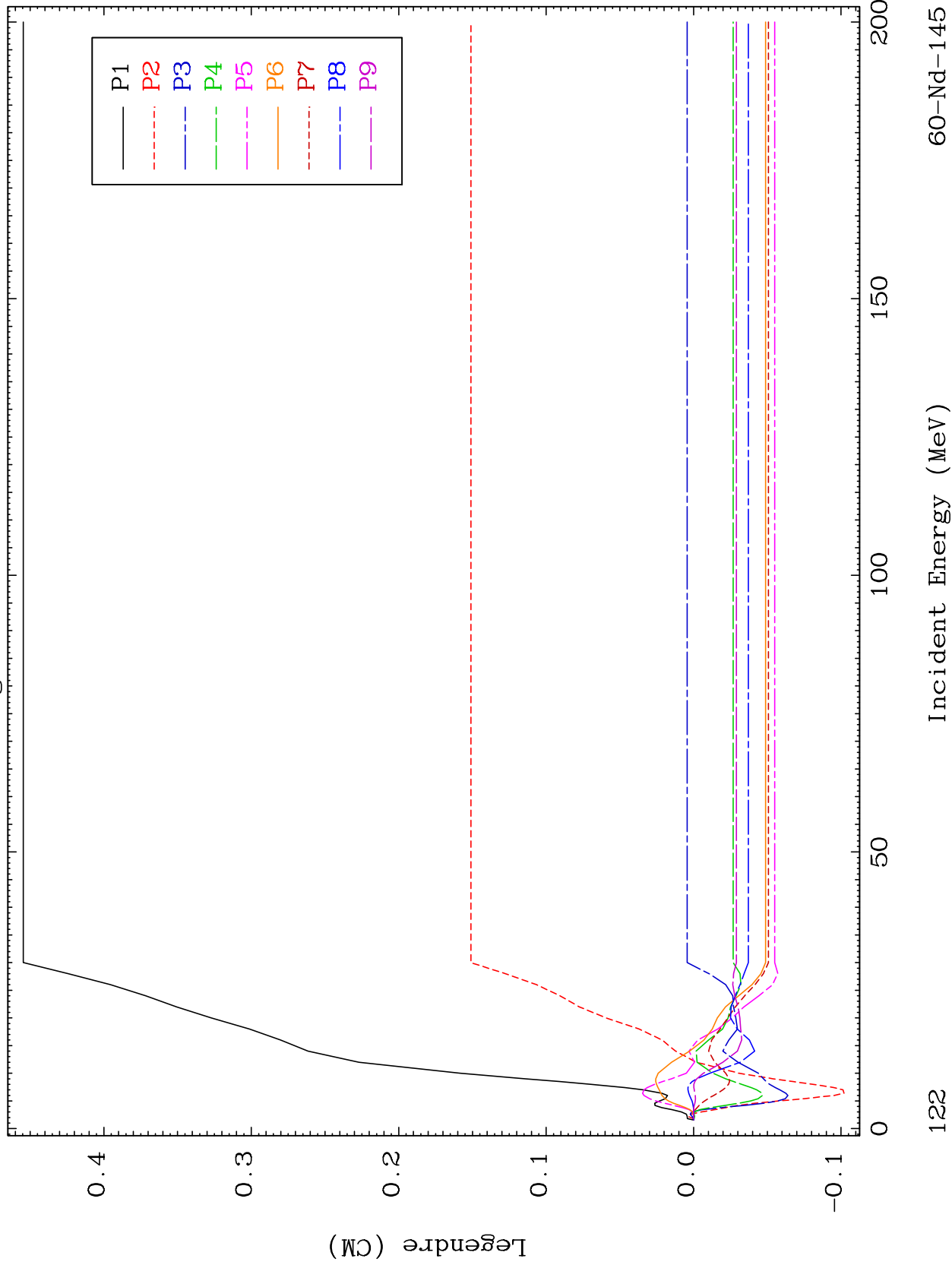
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



60-Nd-145

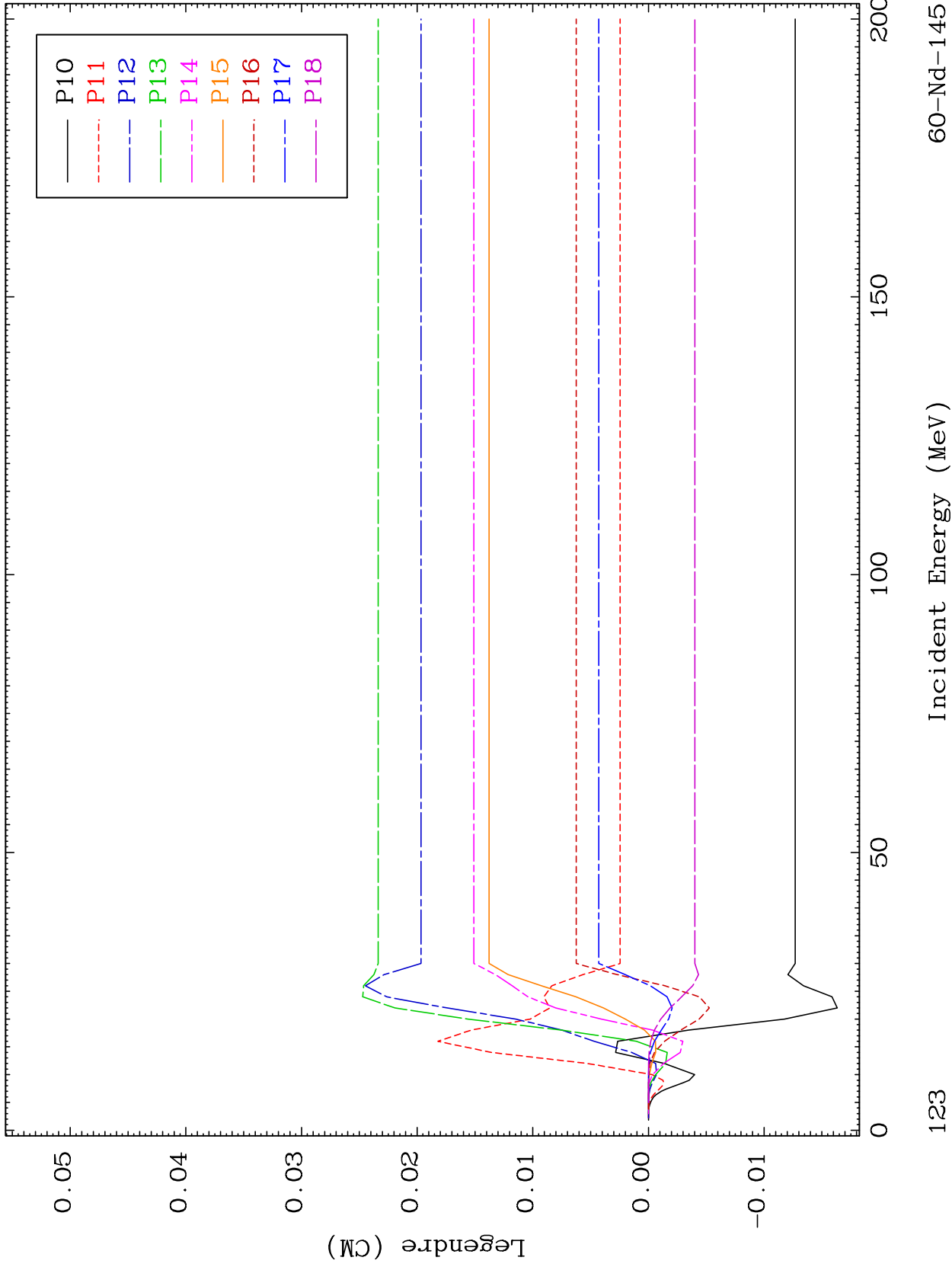
Incident Energy (MeV)

122

MAT 6034

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

60-Nd-145



123

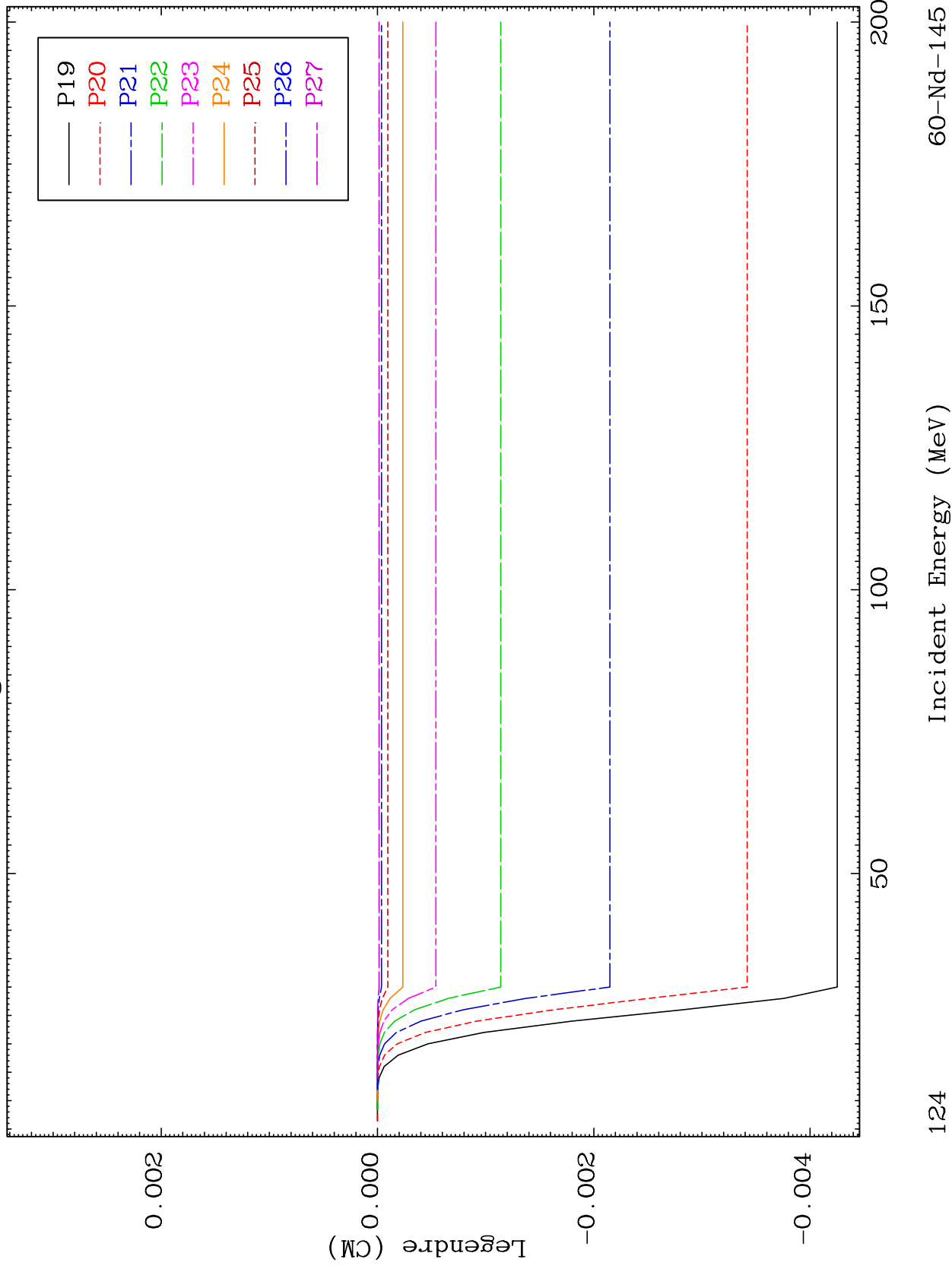
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

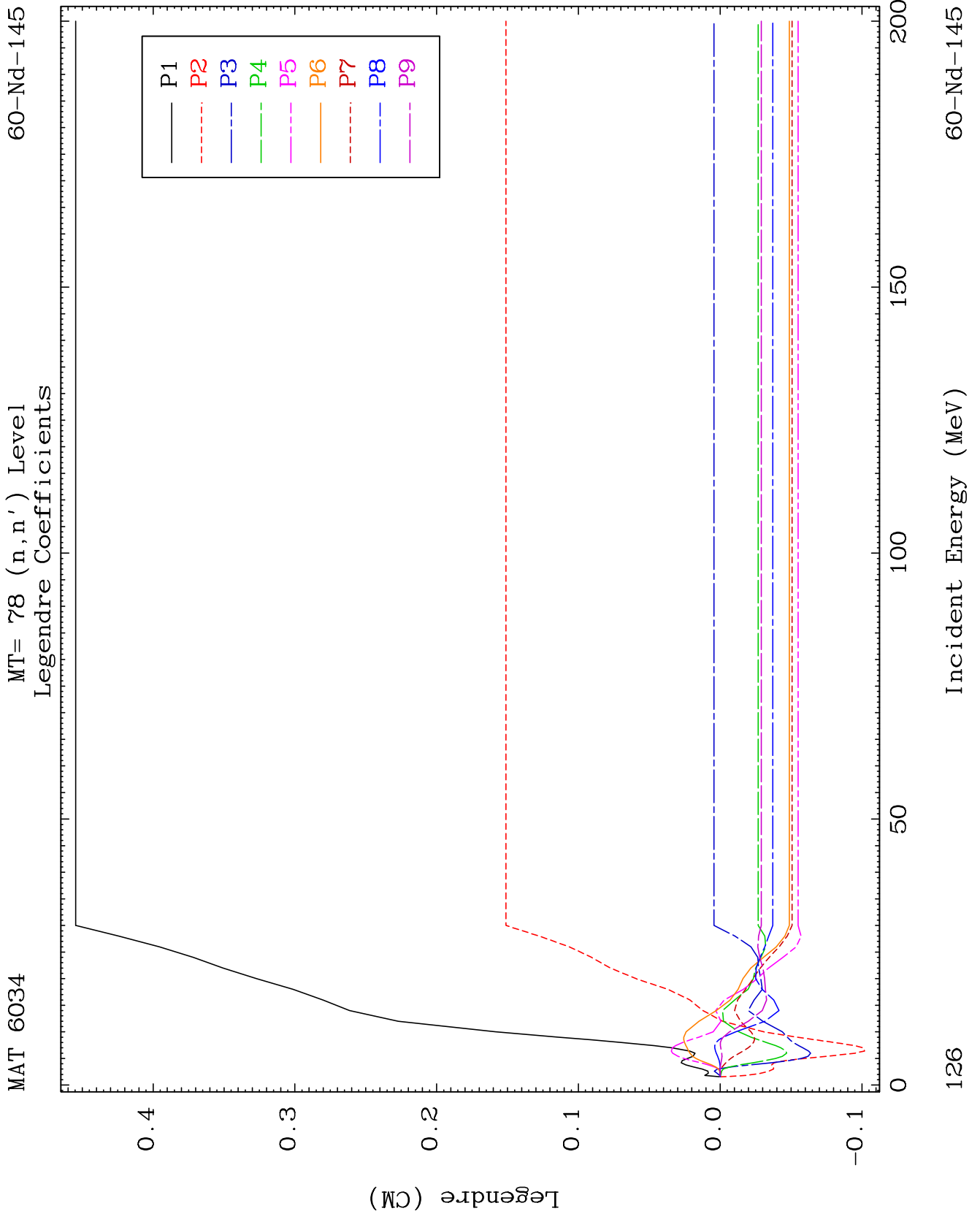
60-Nd-145



124

Incident Energy (MeV)

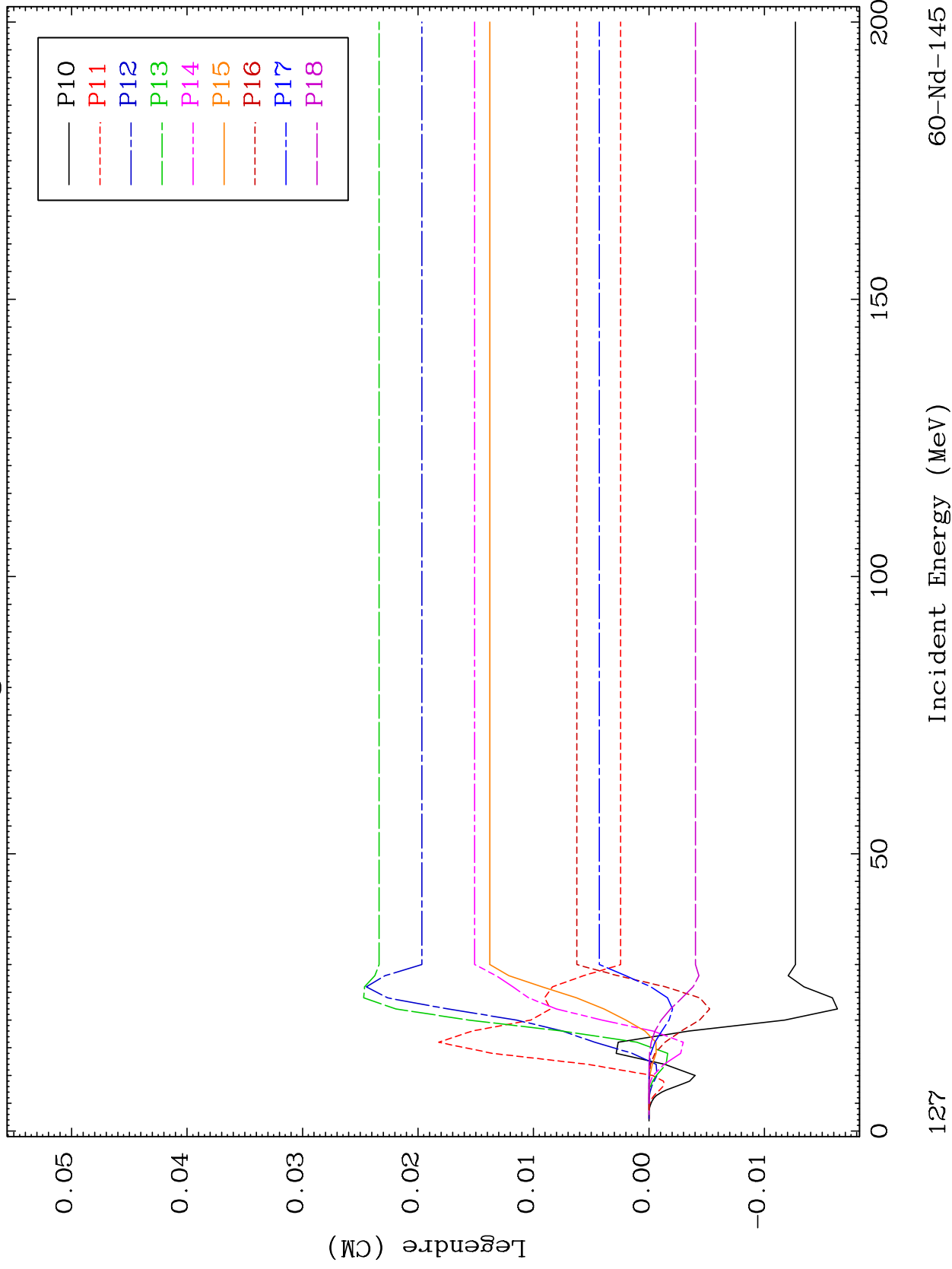
60-Nd-145



MAT 6034

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

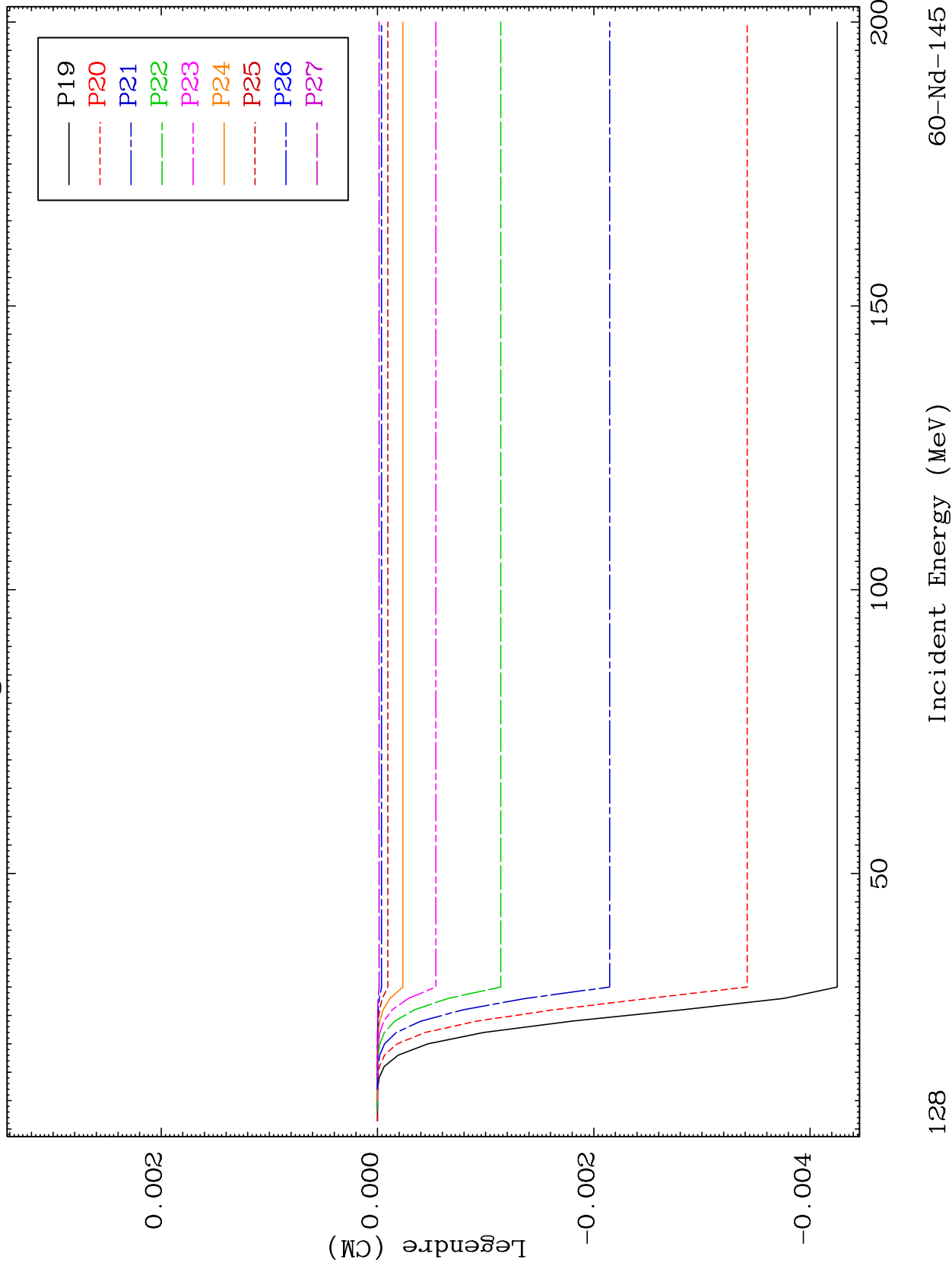
60-Nd-145



MAT 6034

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

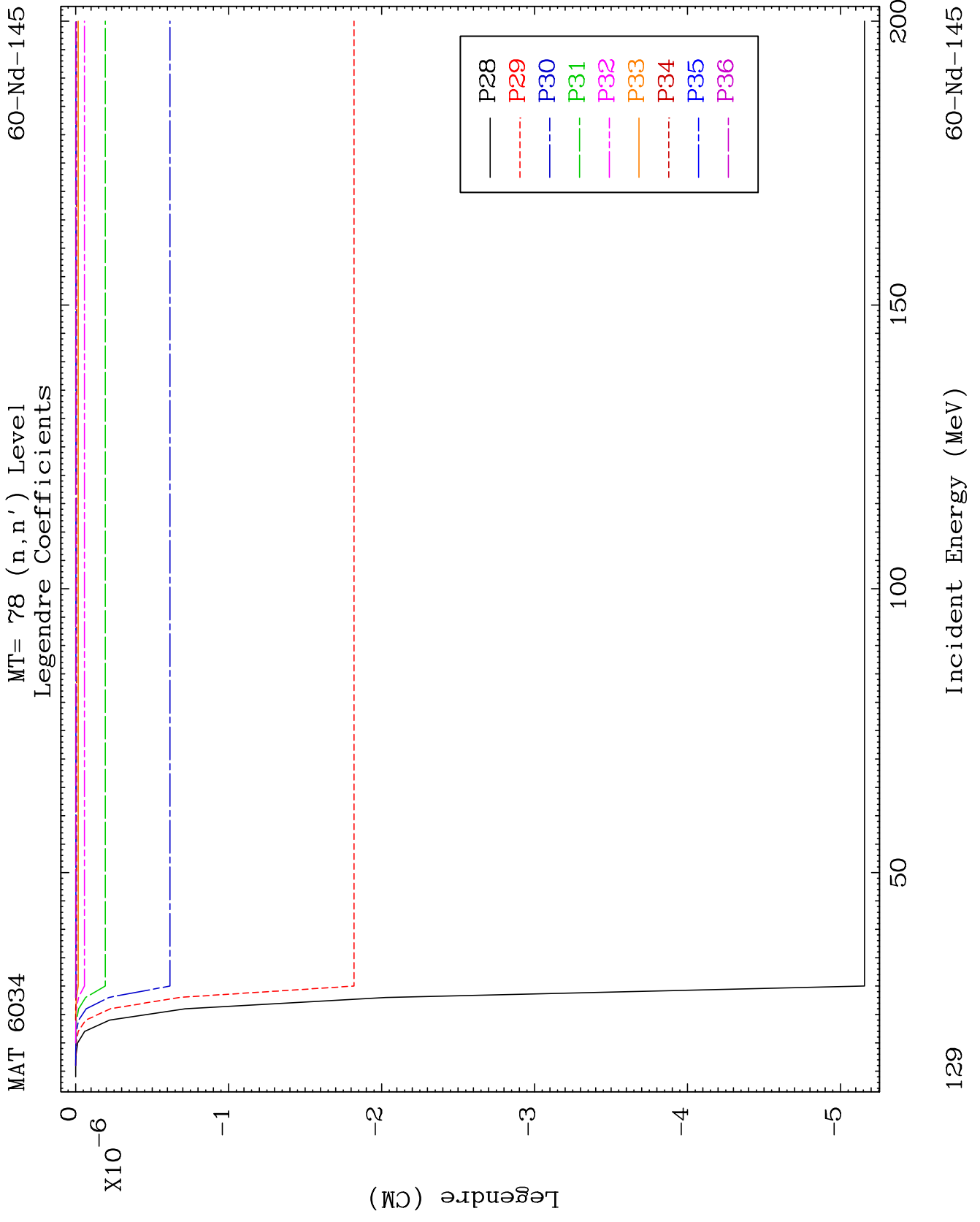
60-Nd-145

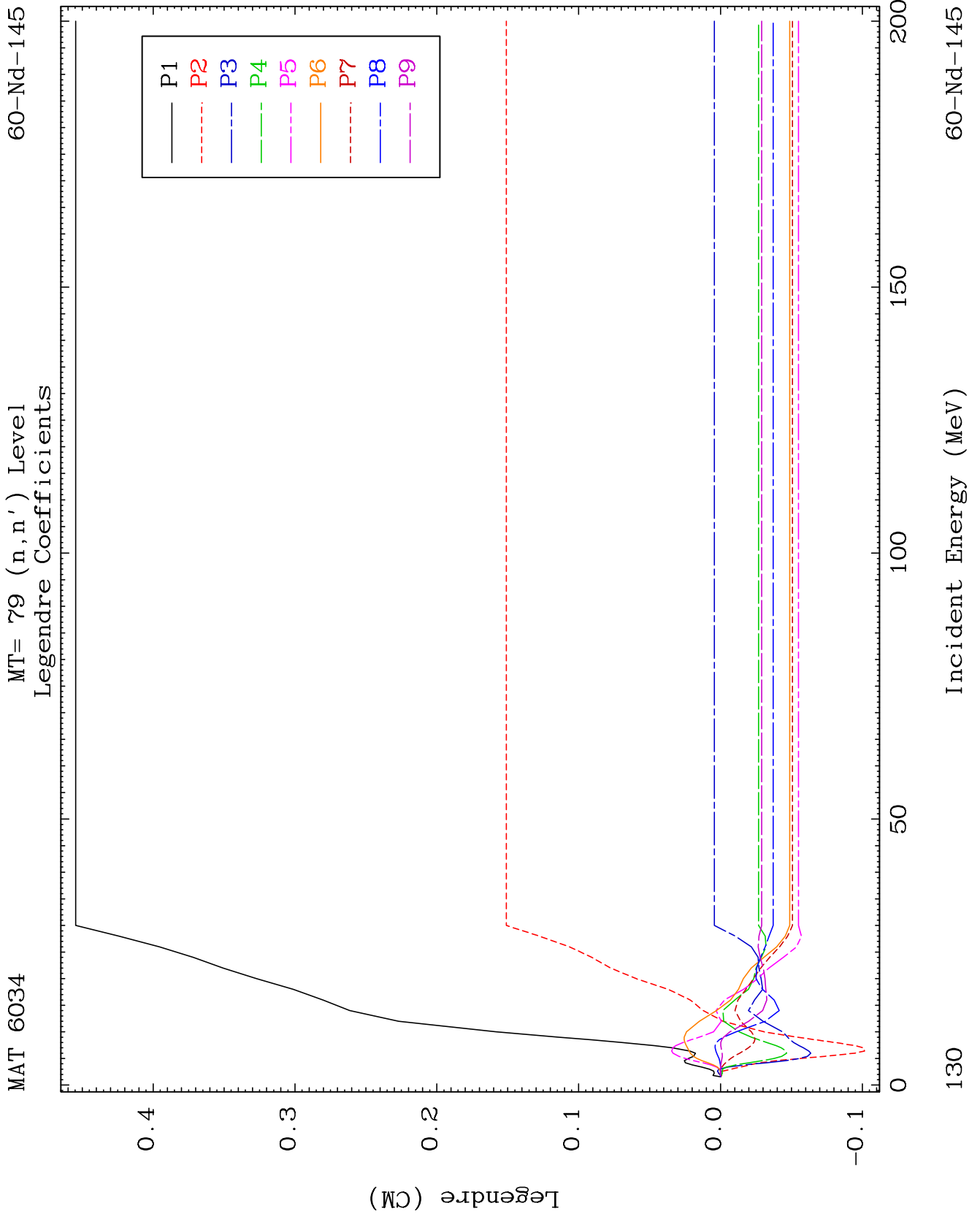


128

Incident Energy (MeV)

60-Nd-145

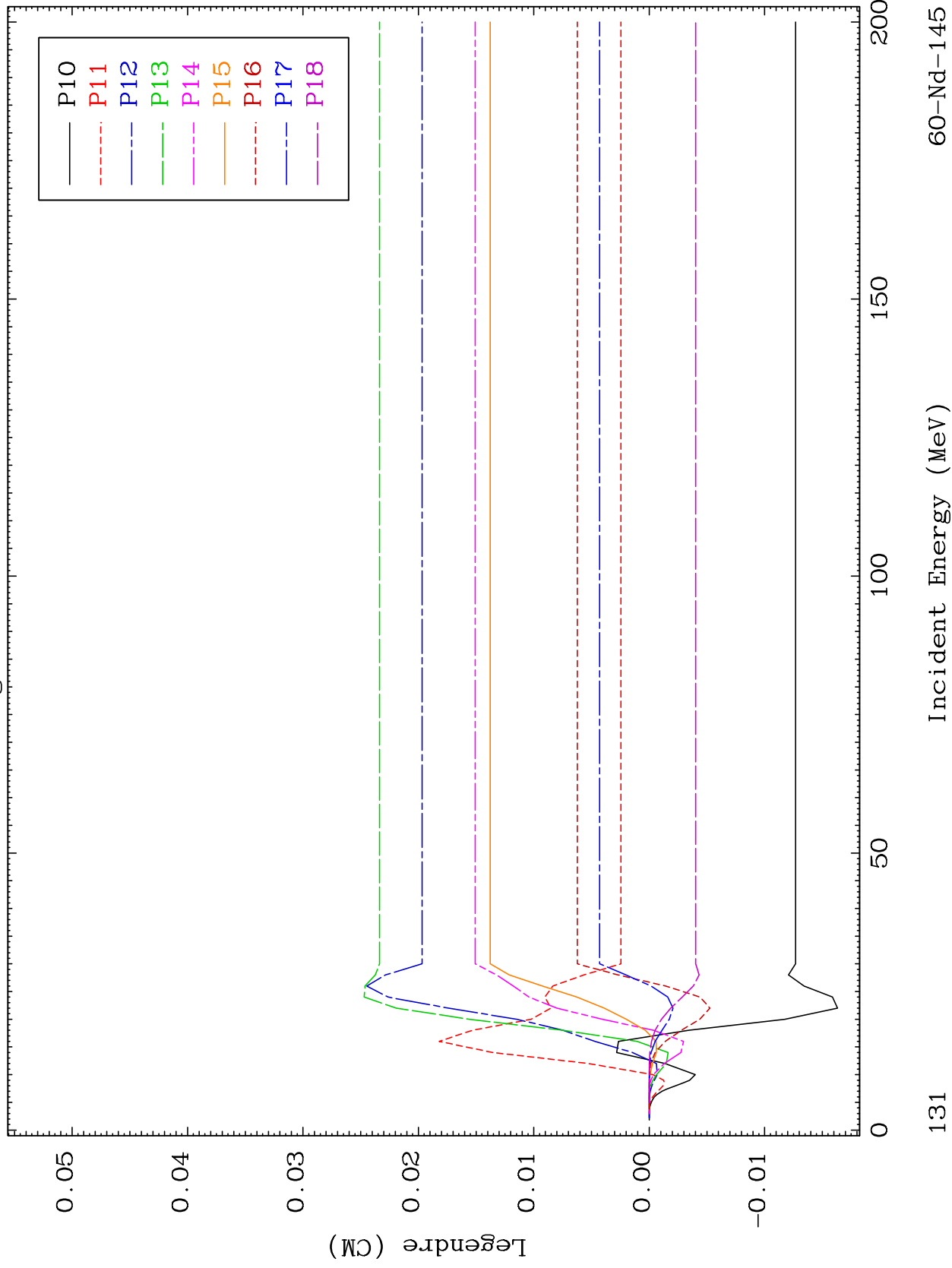




MAT 6034

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

60-Nd-145



131

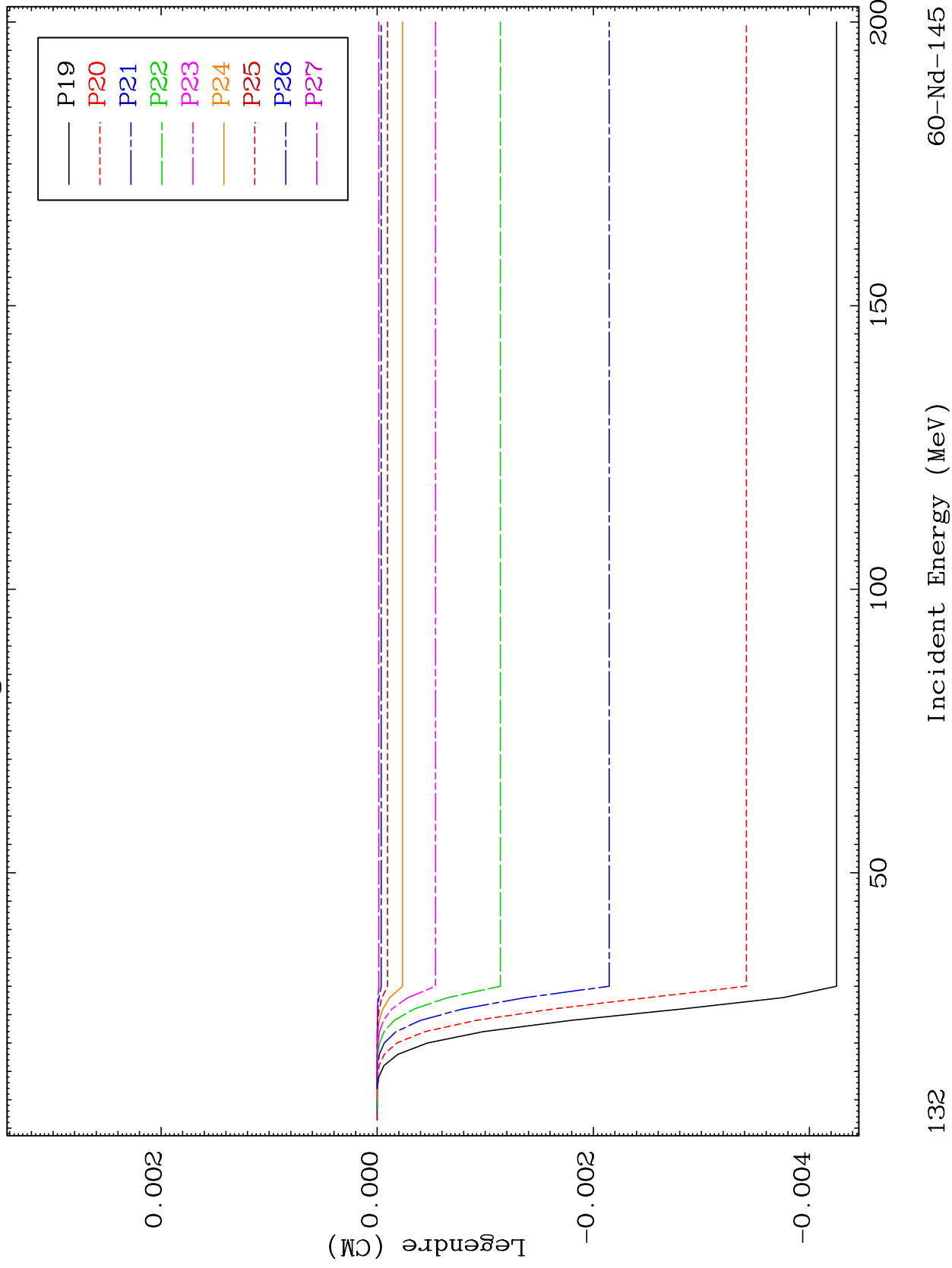
Incident Energy (MeV)

60-Nd-145

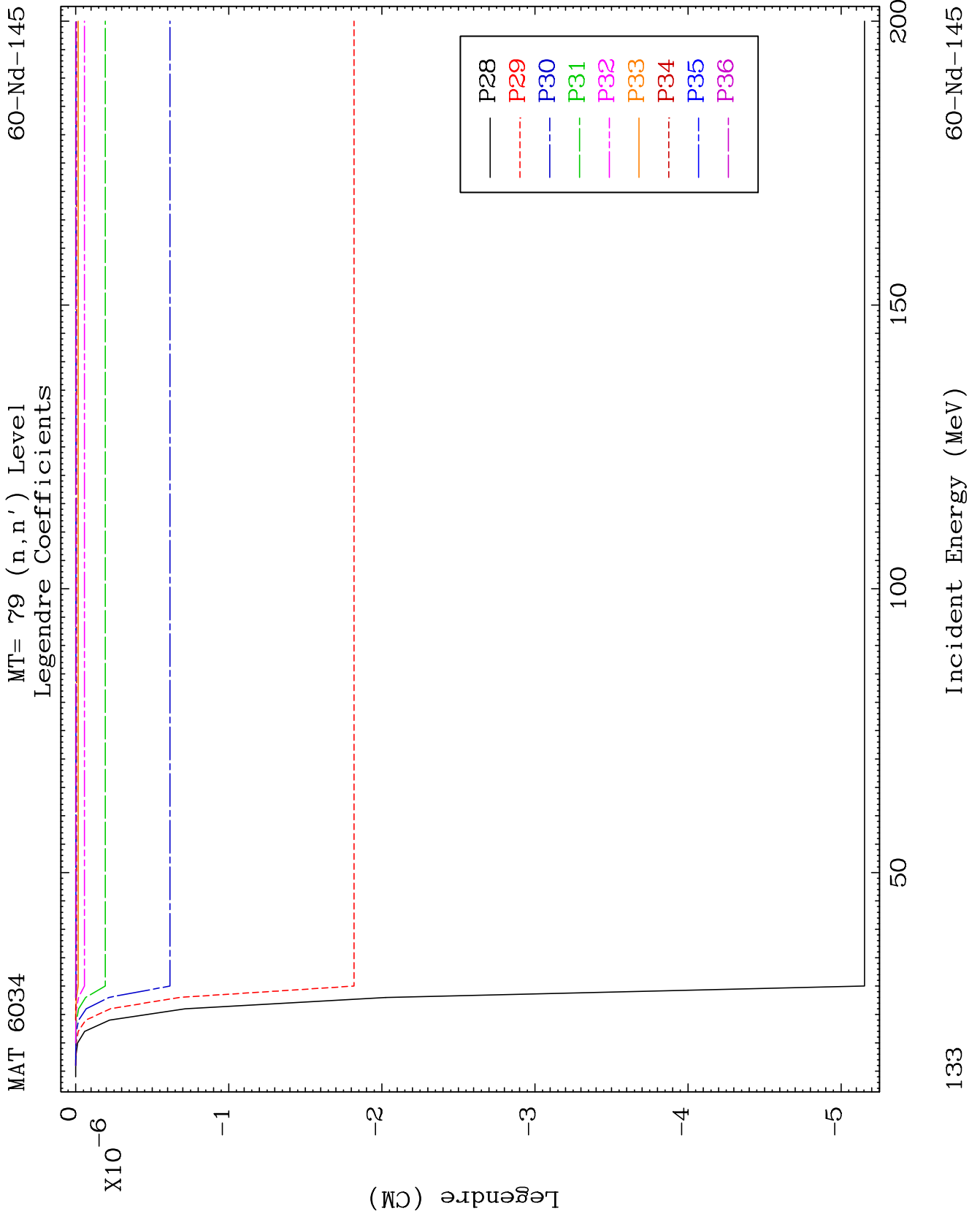
MAT 6034

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

60-Nd-145



132

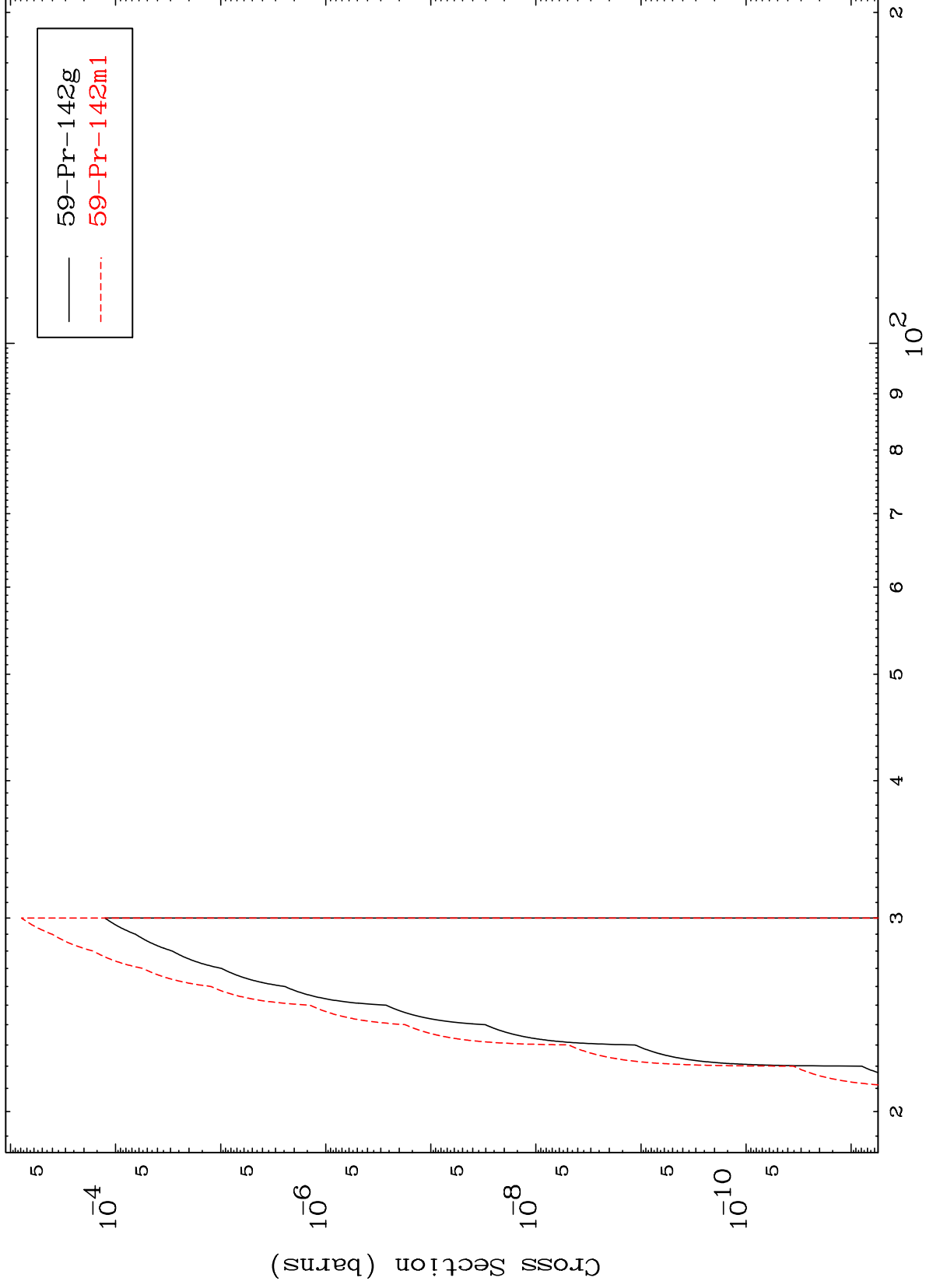


MAT 6034

(n,2n) d

60-Nd-145

Radionuclide Production Cross Section



134

Incident Energy (MeV)

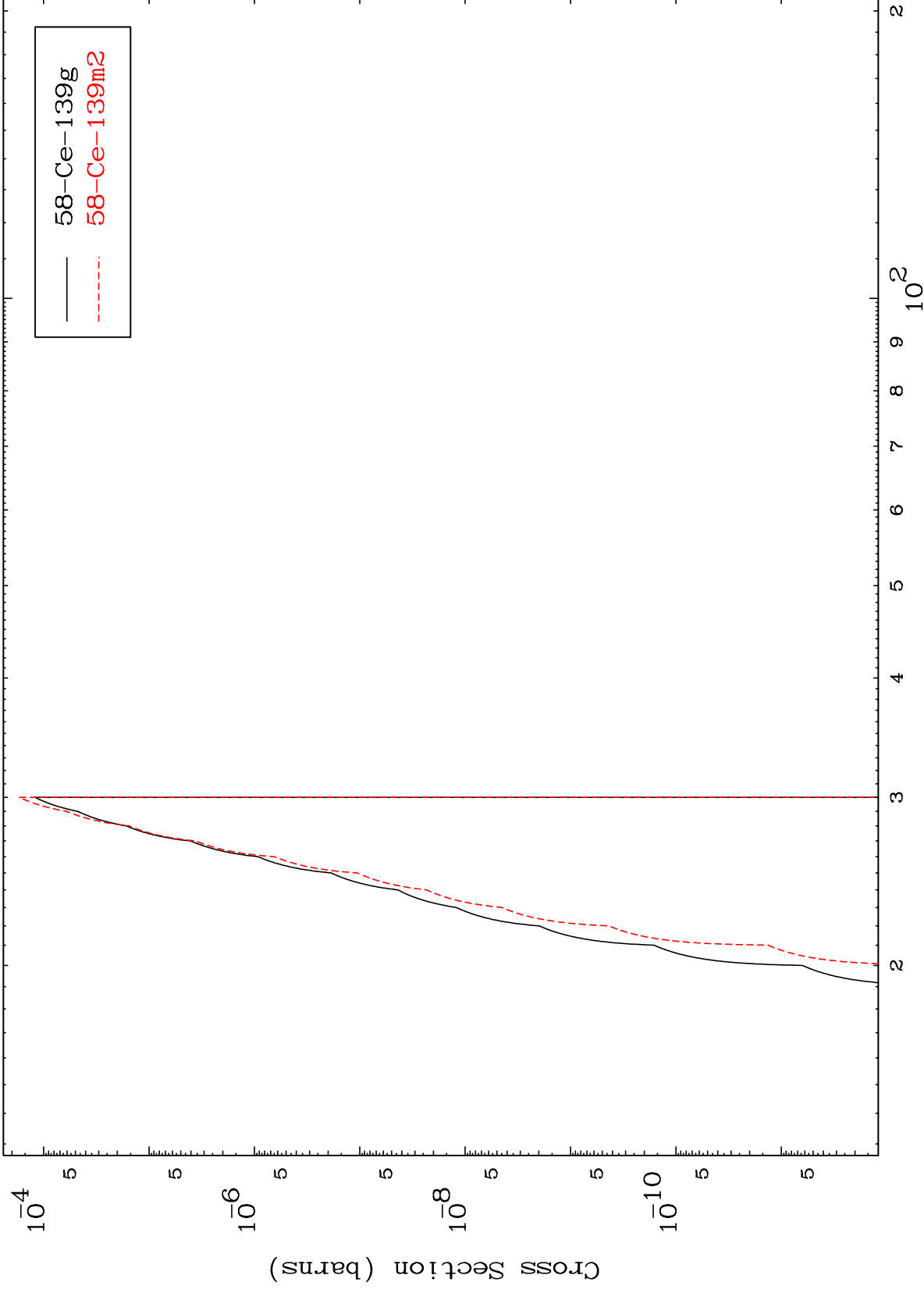
60-Nd-145

MAT 6034

(n,3n) α

60-Nd-145

Radionuclide Production Cross Section



135

Incident Energy (MeV)

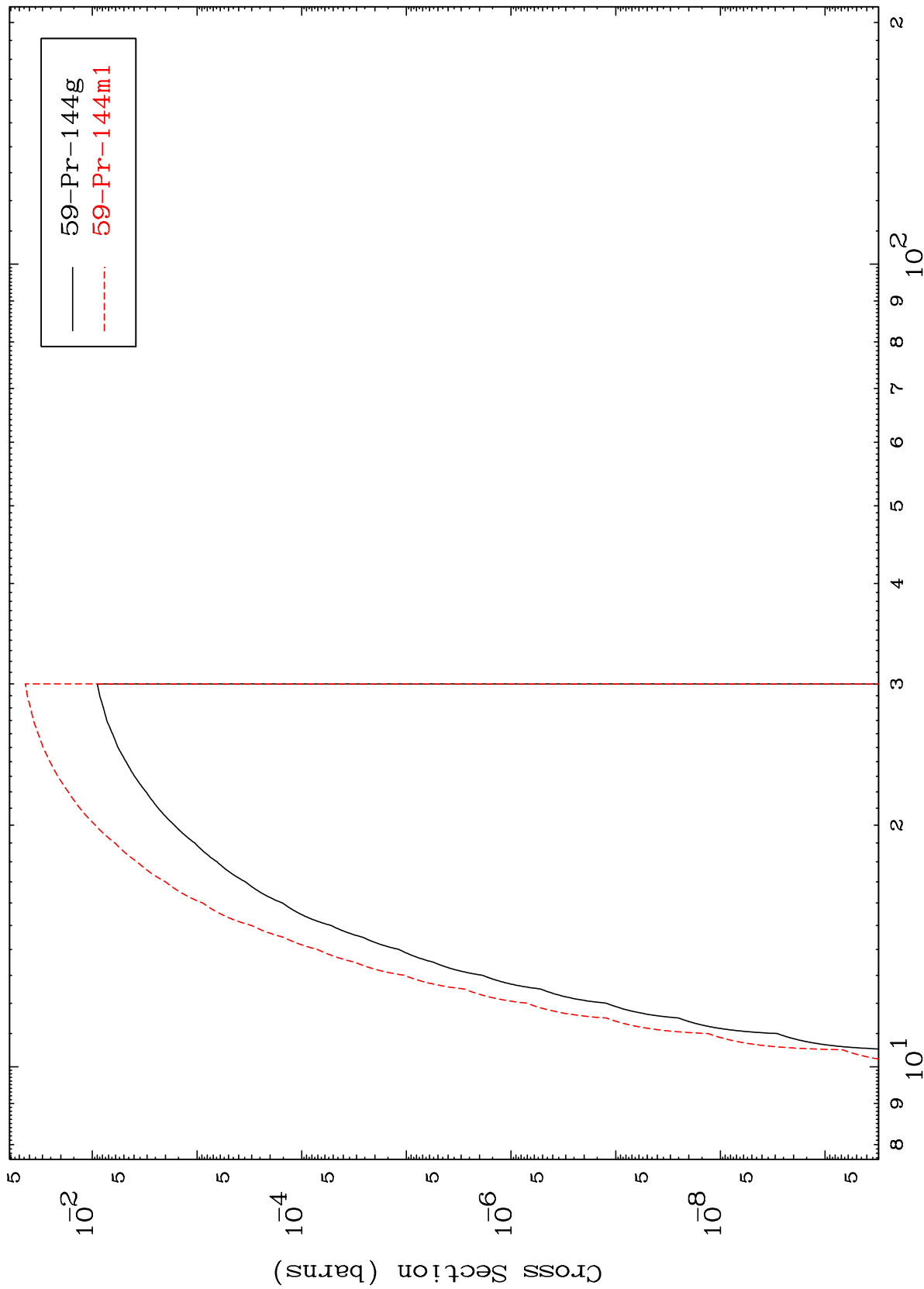
60-Nd-145

MAT 6034

(n,n') p

60-Nd-145

Radionuclide Production Cross Section



136

Incident Energy (MeV)

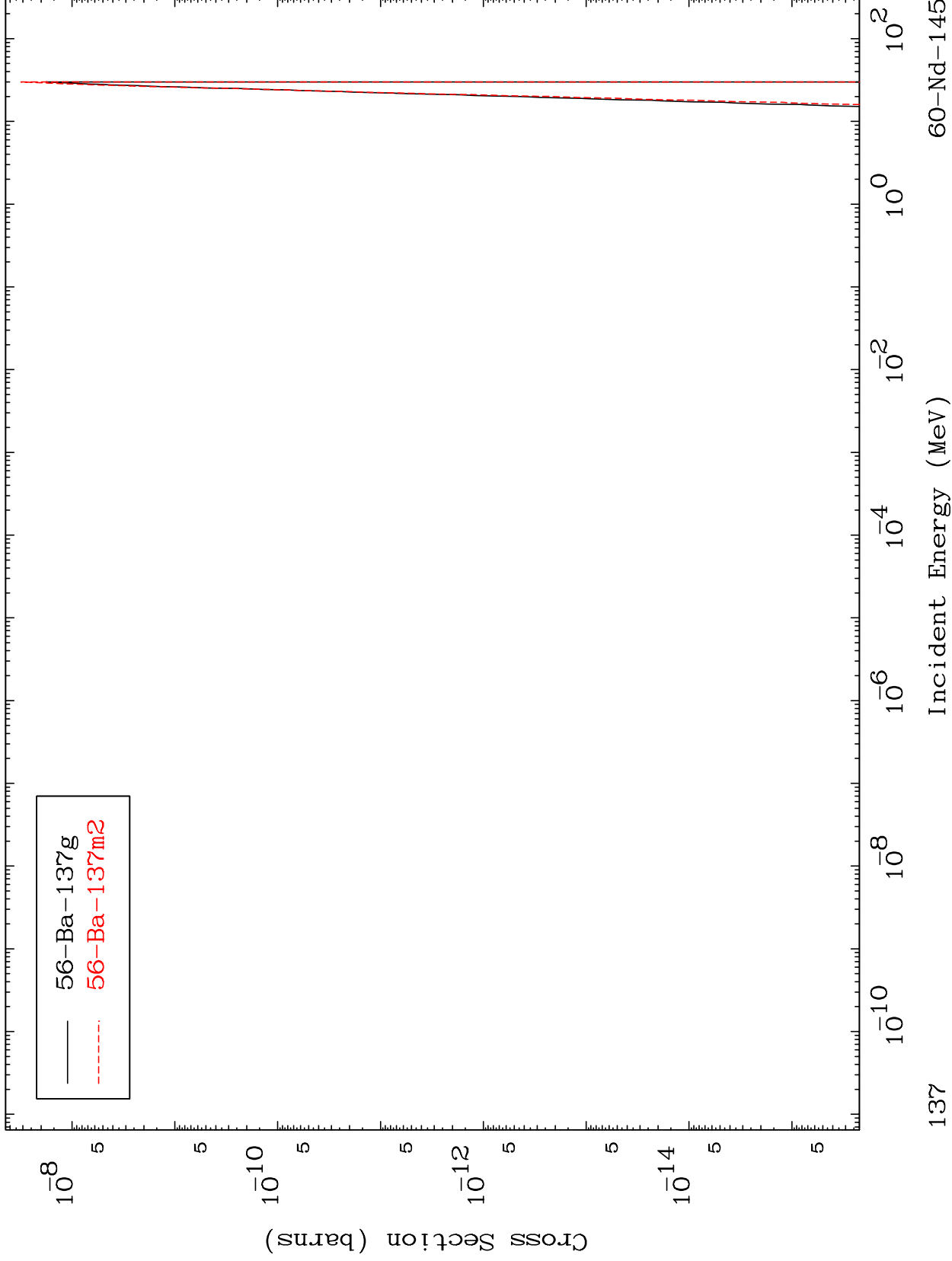
60-Nd-145

MAT 6034

(n,n') 2 α

60-Nd-145

Radionuclide Production Cross Section

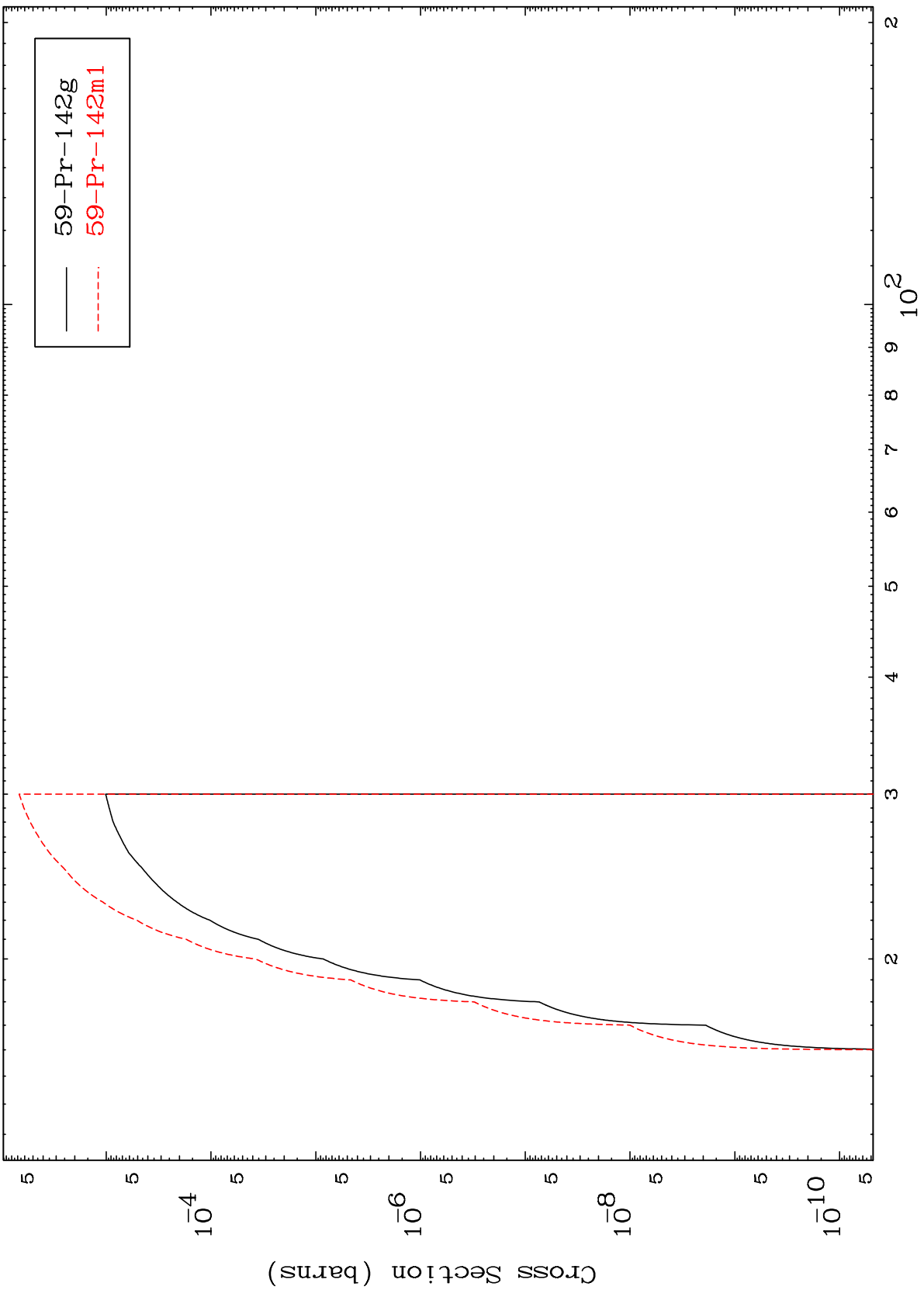


MAT 6034

(n,n') t

60-Nd-145

Radionuclide Production Cross Section



138

Incident Energy (MeV)

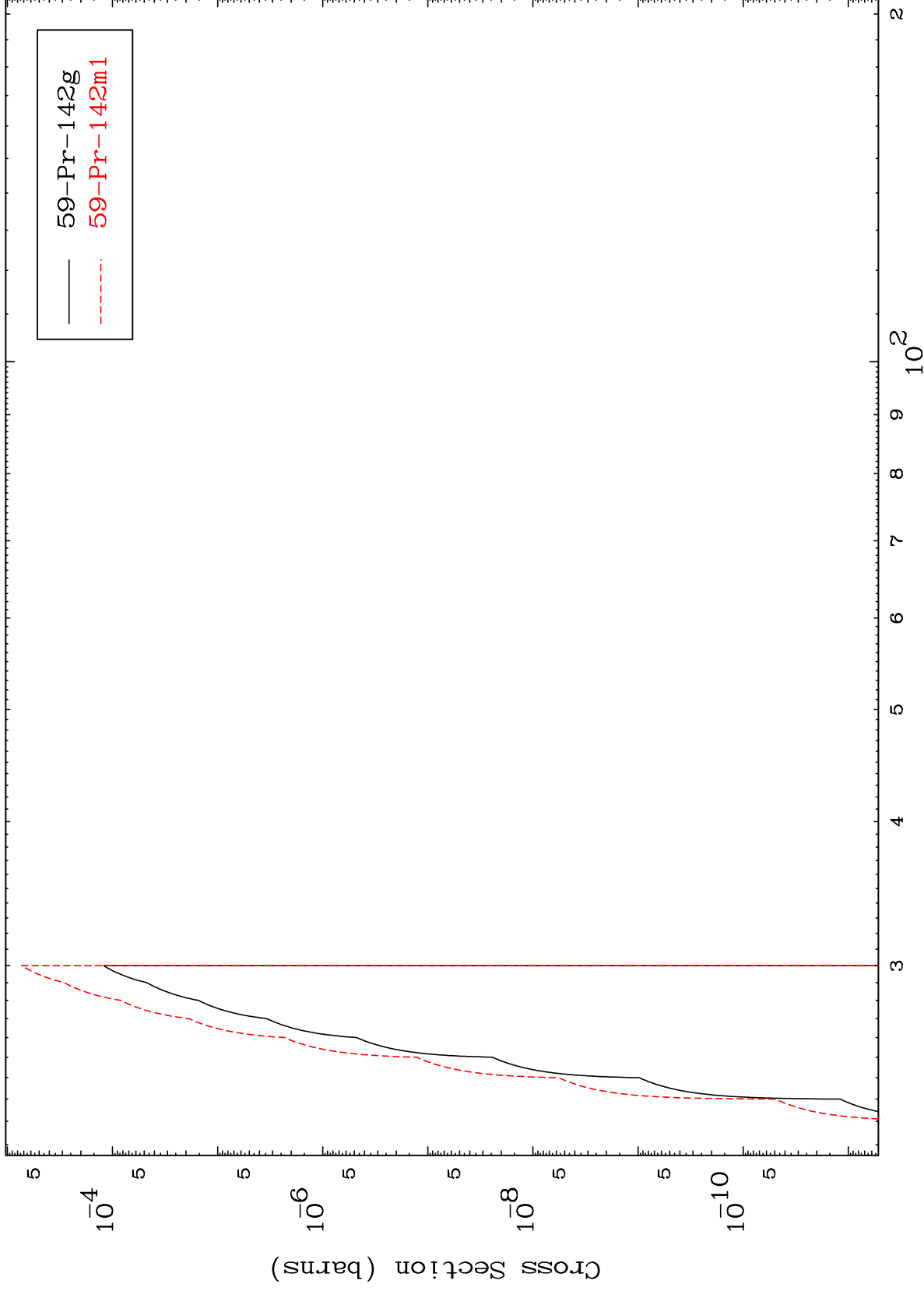
60-Nd-145

MAT 6034

(n,3n) p

60-Nd-145

Radionuclide Production Cross Section



139

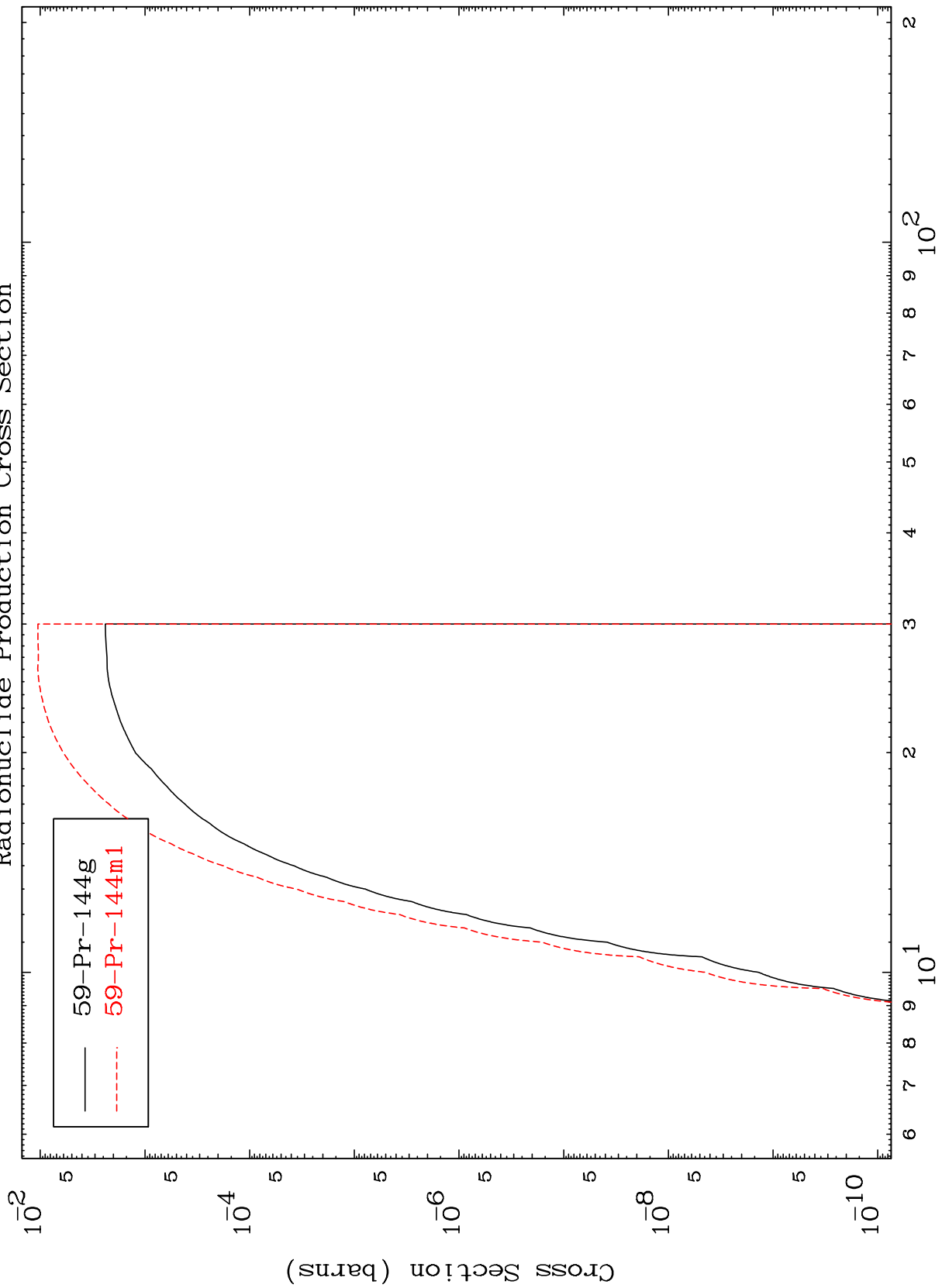
Incident Energy (MeV)

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)

140