

Program EVALPLOT
(Version 2015-2)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

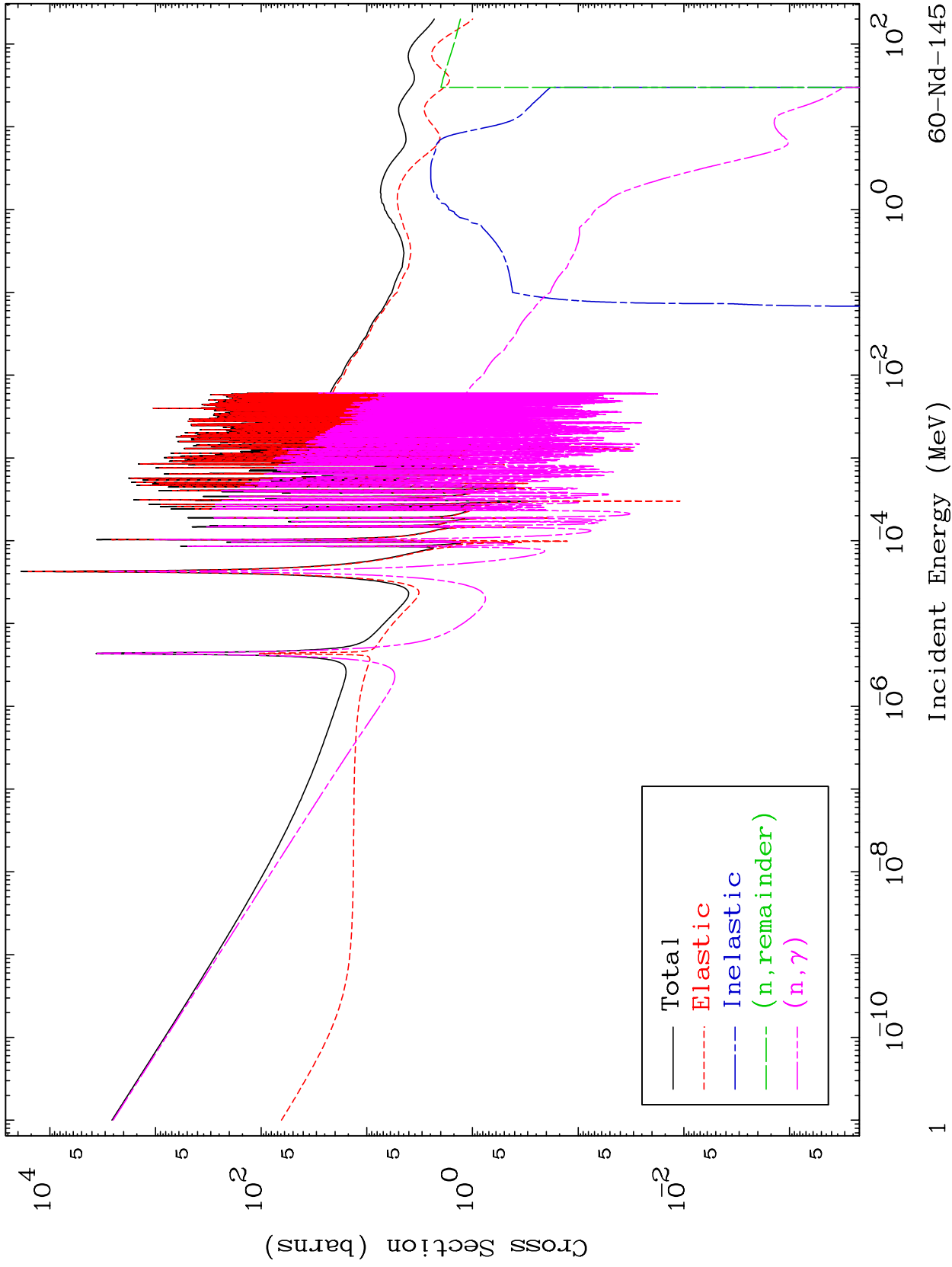
Press Mouse Button to Start

MAT 6034

Major

293 Kelvin Cross Sections

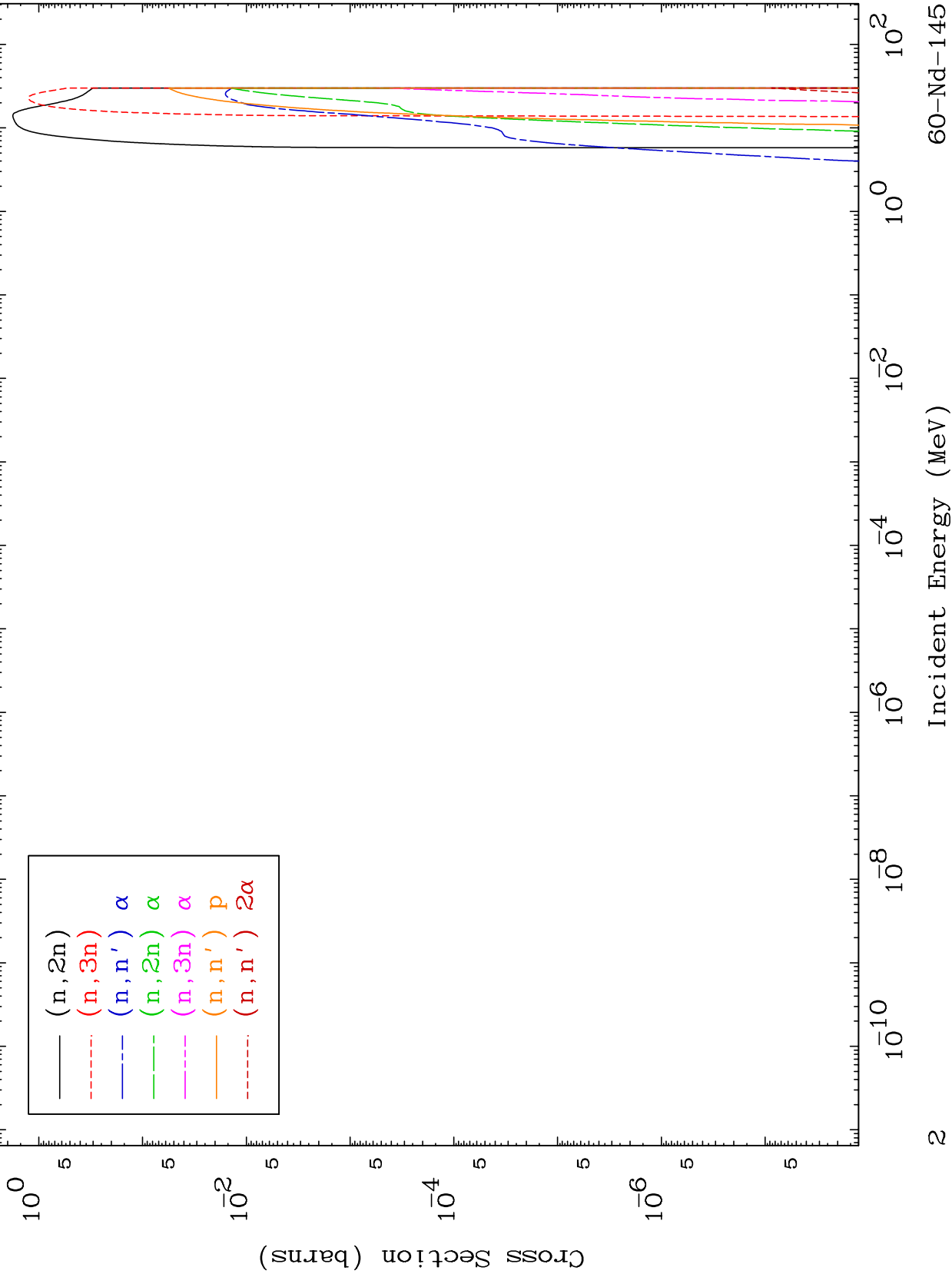
60-Nd-145

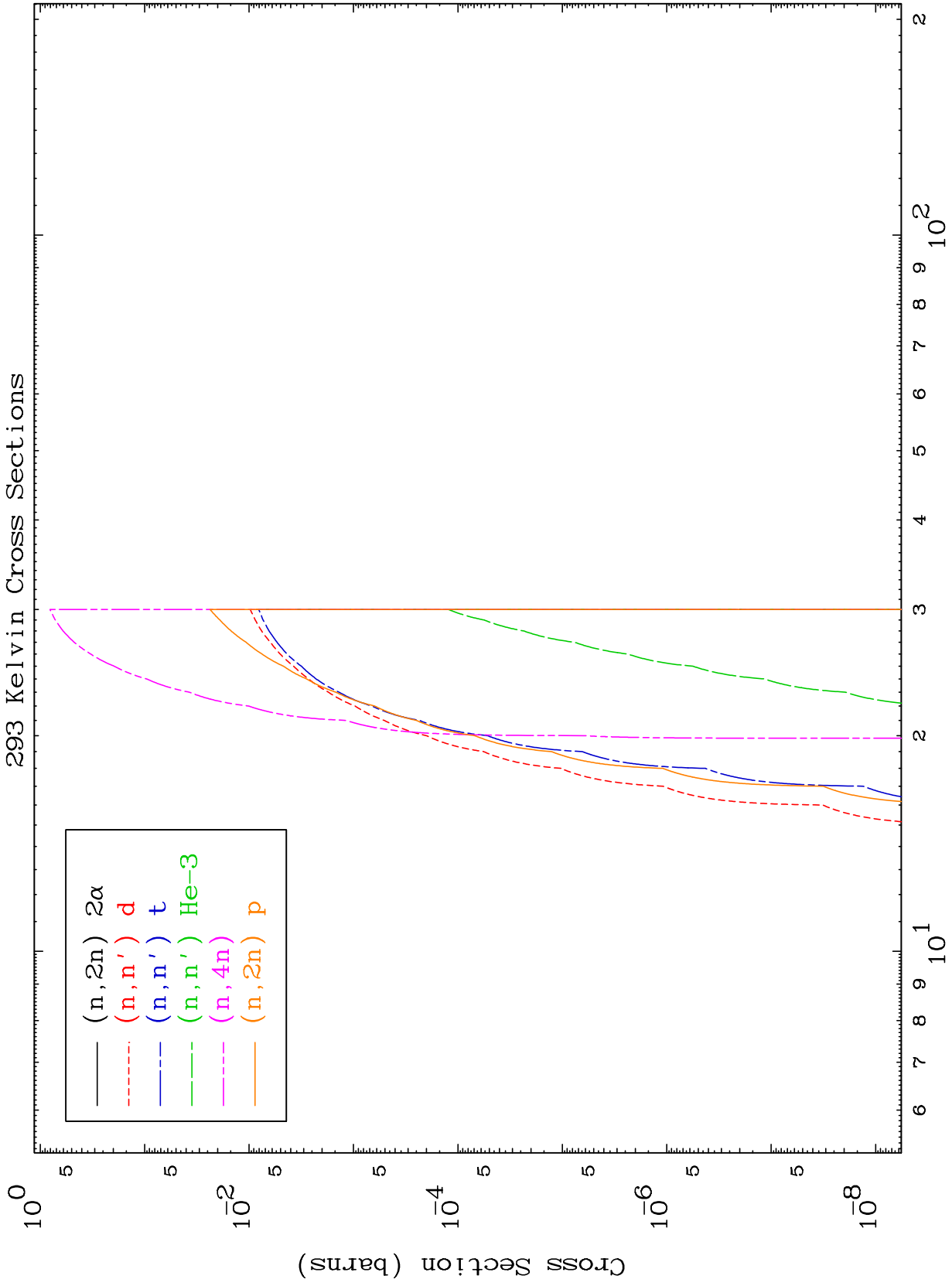


MAT 6034

Neutron Production
293 Kelvin Cross Sections

60-Nd-145

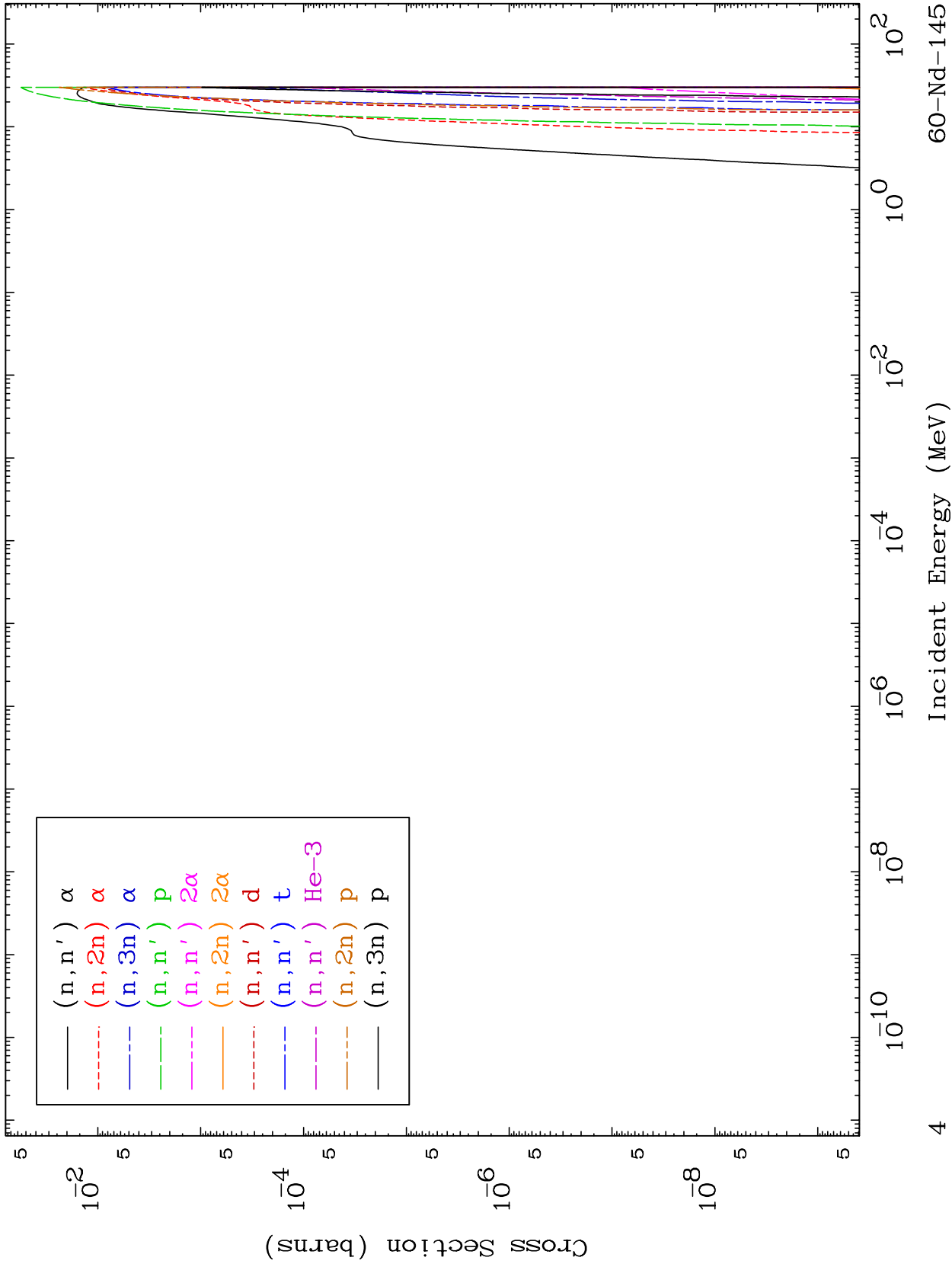




MAT 6034

Charged Particle
293 Kelvin Cross Sections

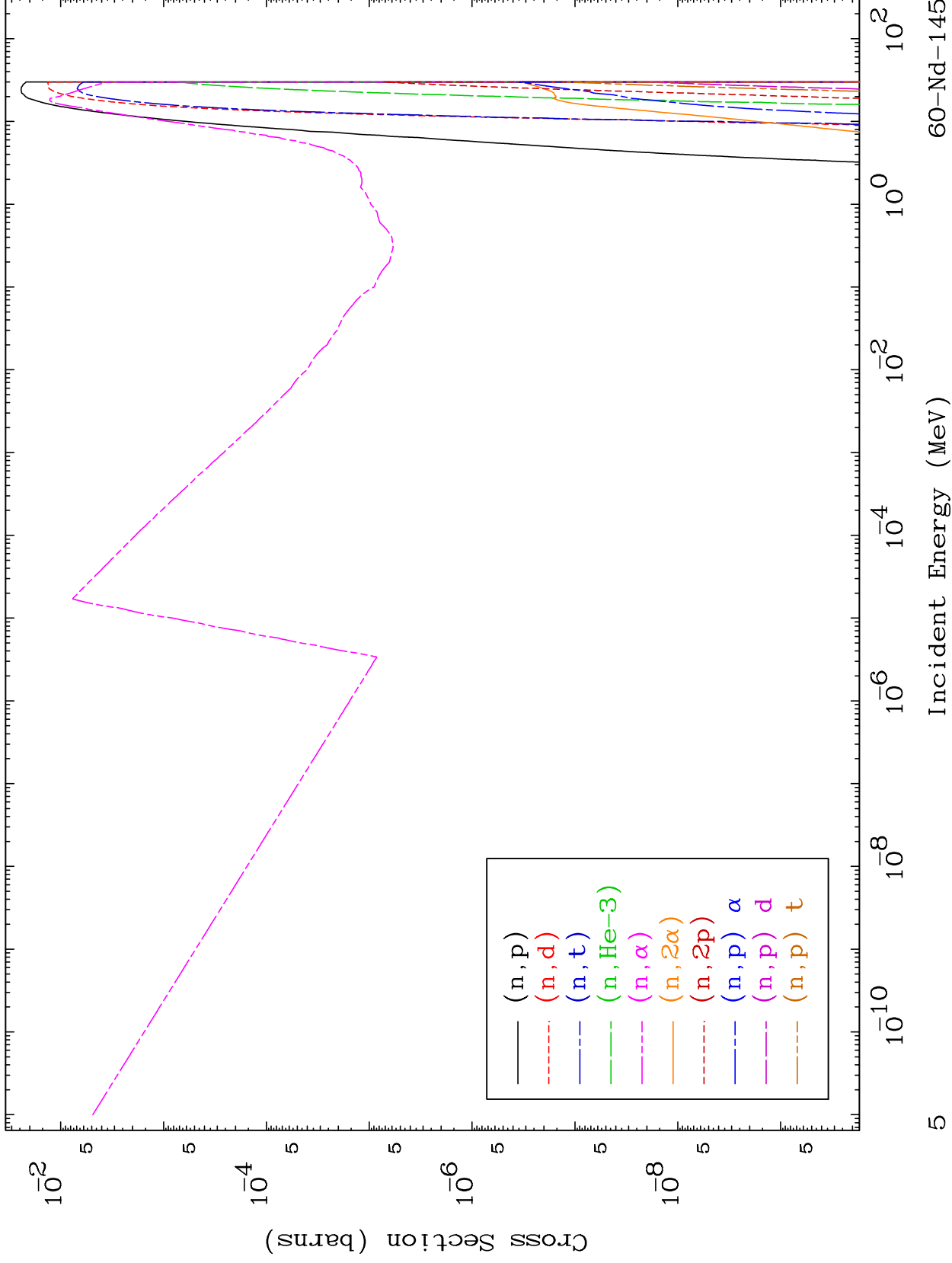
60-Nd-145



MAT 6034

Charged Particle
293 Kelvin Cross Sections

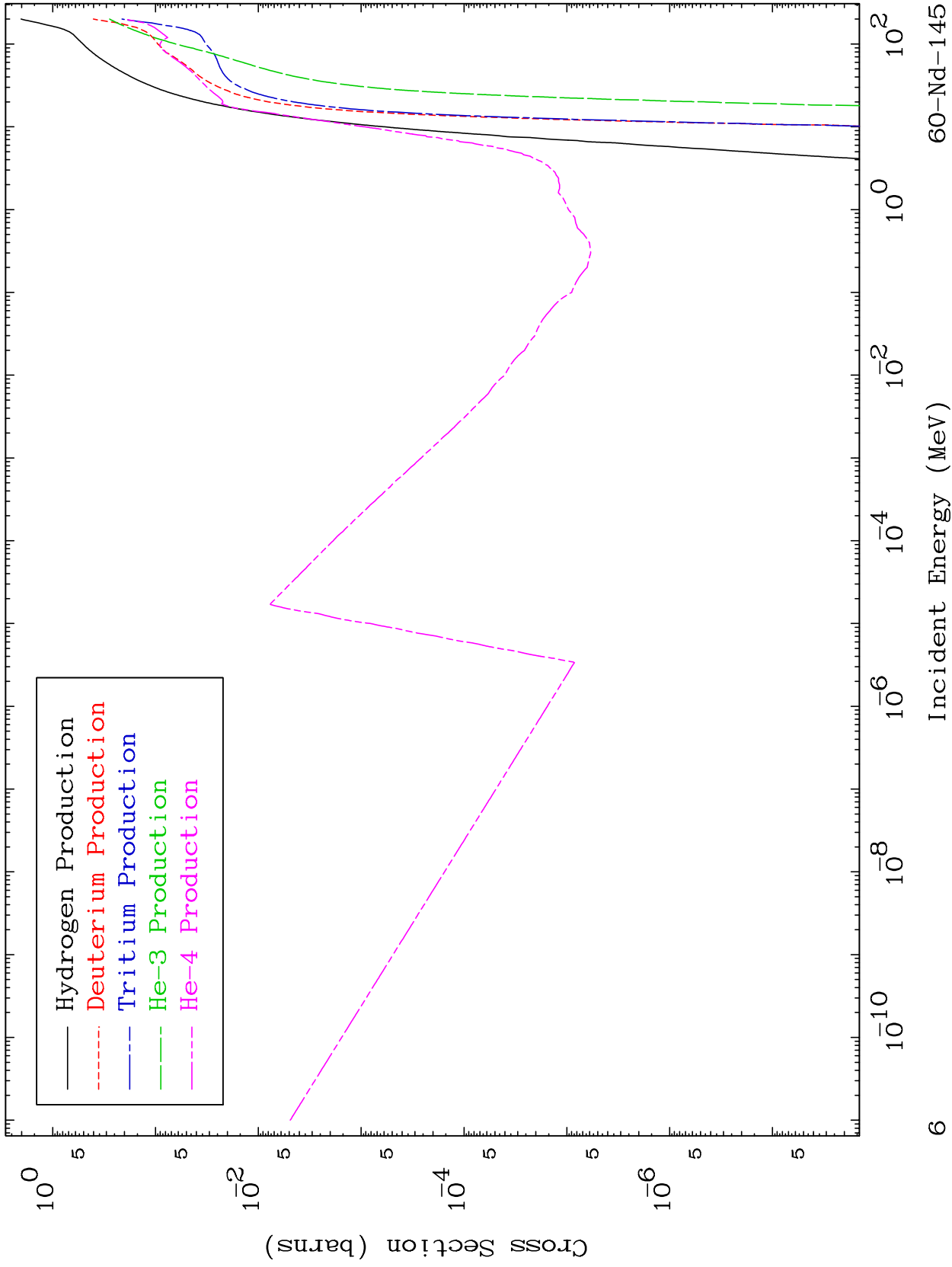
60-Nd-145



MAT 6034

Particle Production
293 Kelvin Cross Sections

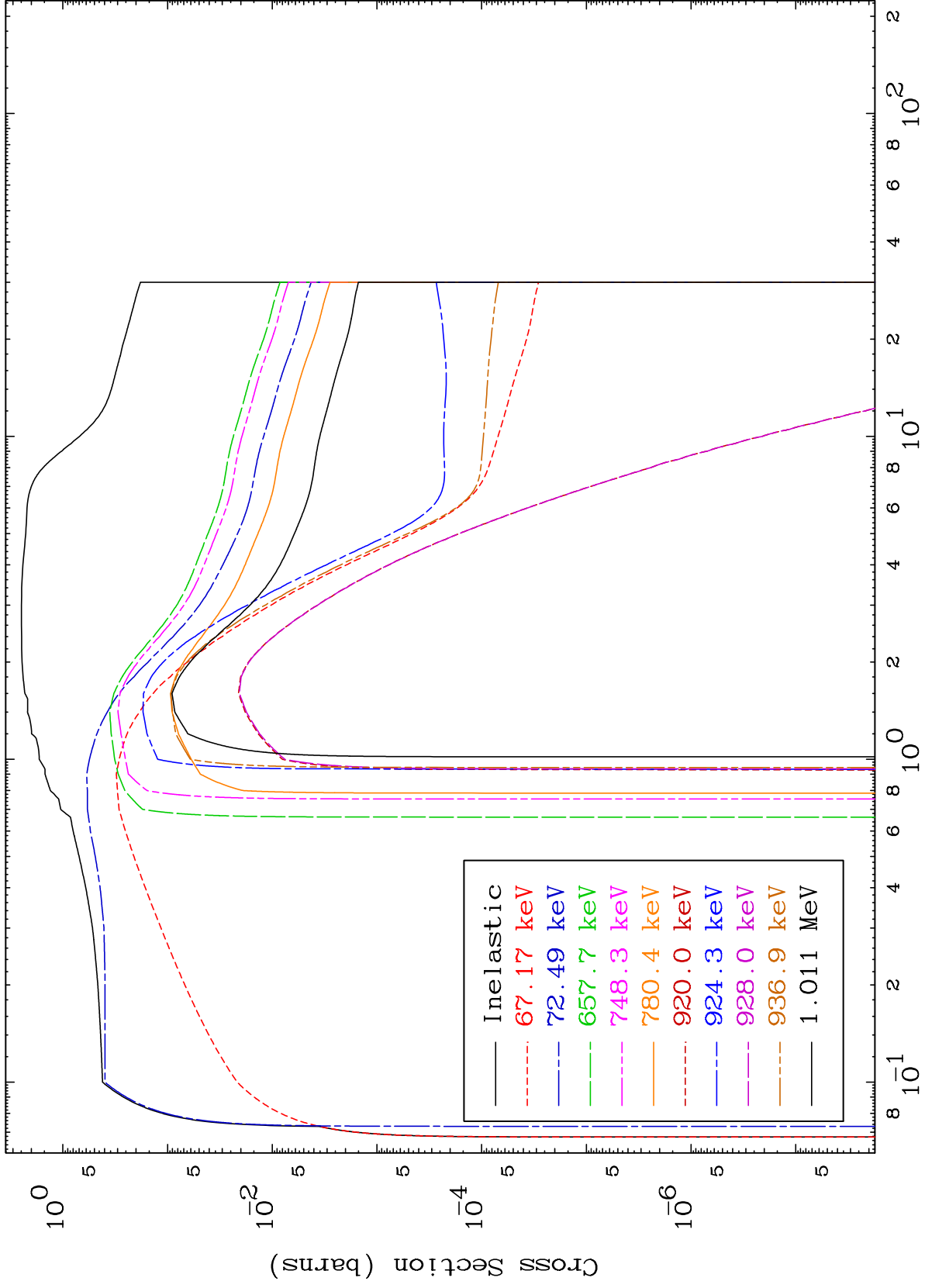
60-Nd-145



MAT 6034

(n,n') Level
293 Kelvin Cross Sections

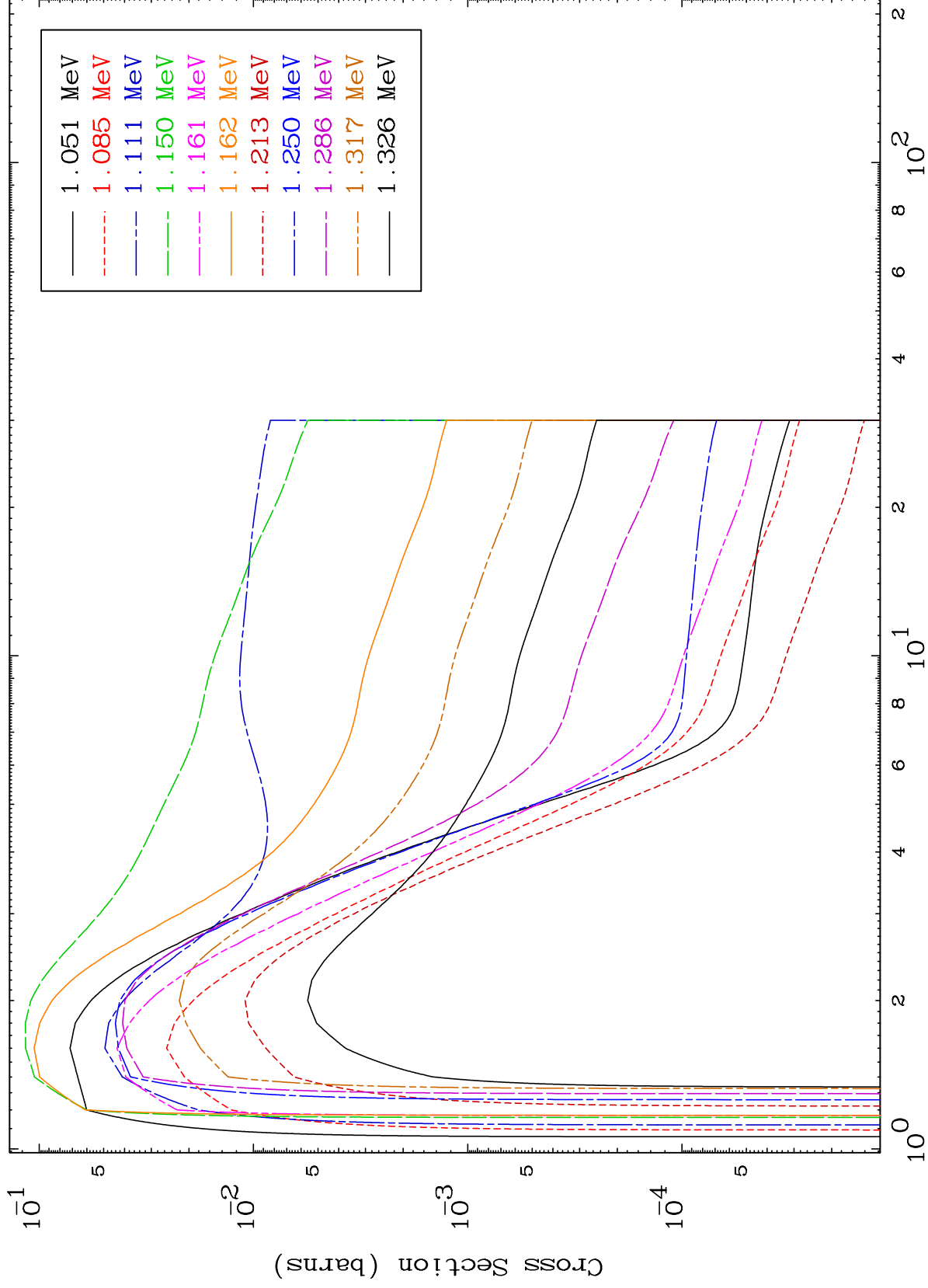
60-Nd-145



MAT 6034

(n,n') Level
293 Kelvin Cross Sections

60-Nd-145



Incident Energy (MeV)

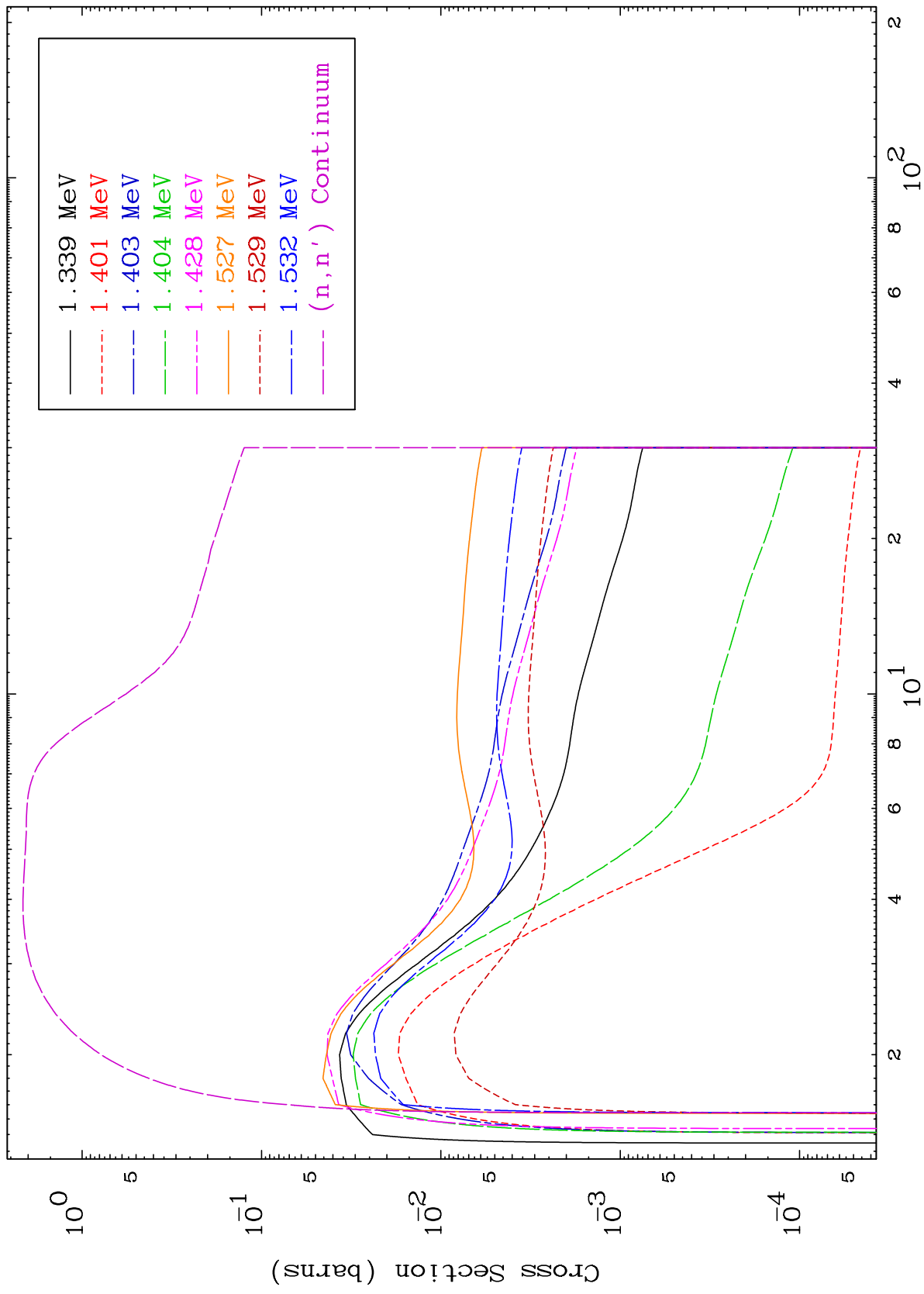
60-Nd-145

MAT 6034

(n,n') Level

60-Nd-145

293 Kelvin Cross Sections



9

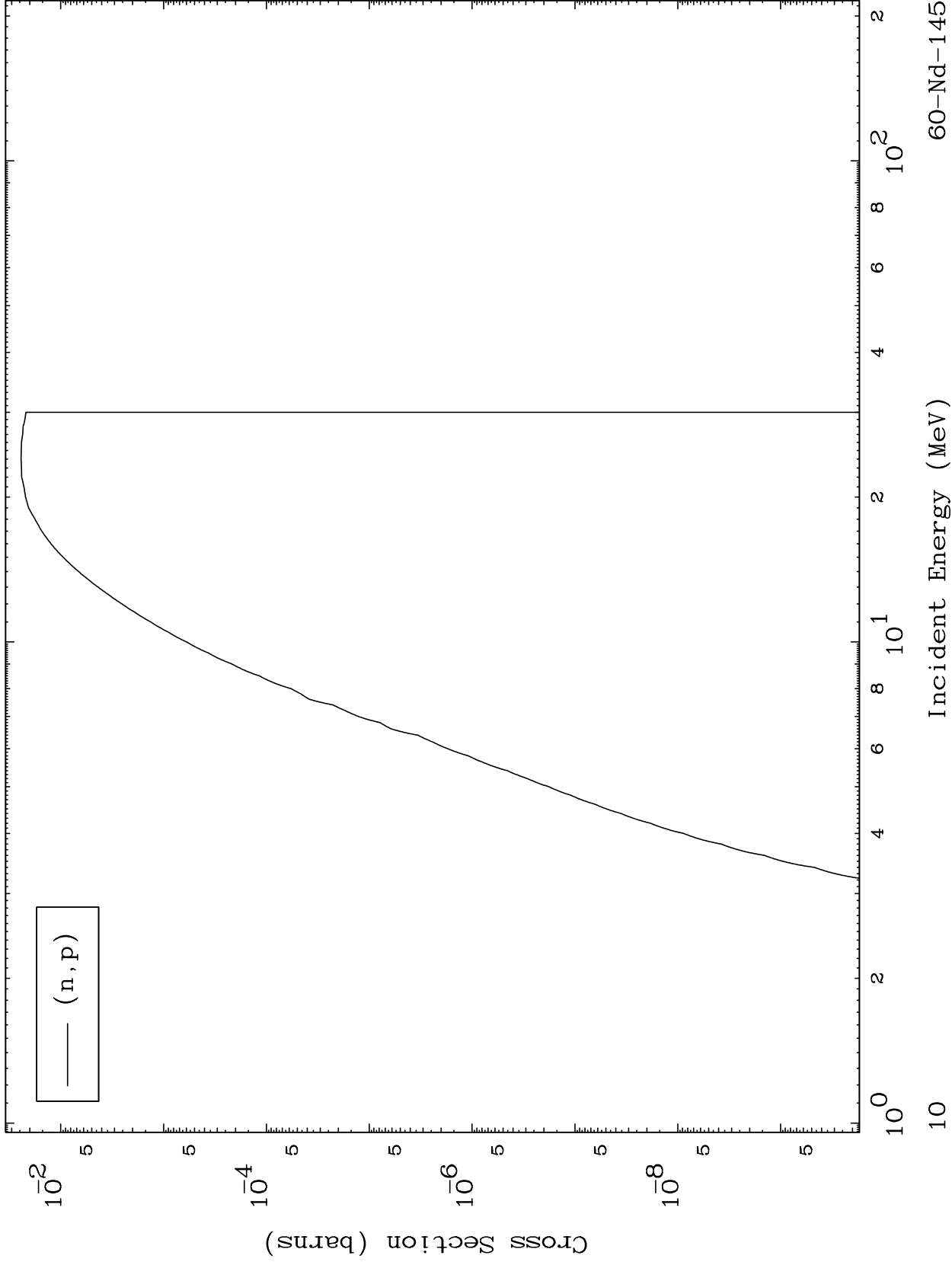
Incident Energy (MeV)

60-Nd-145

MAT 6034

(n,p) Levels
293 Kelvin Cross Sections

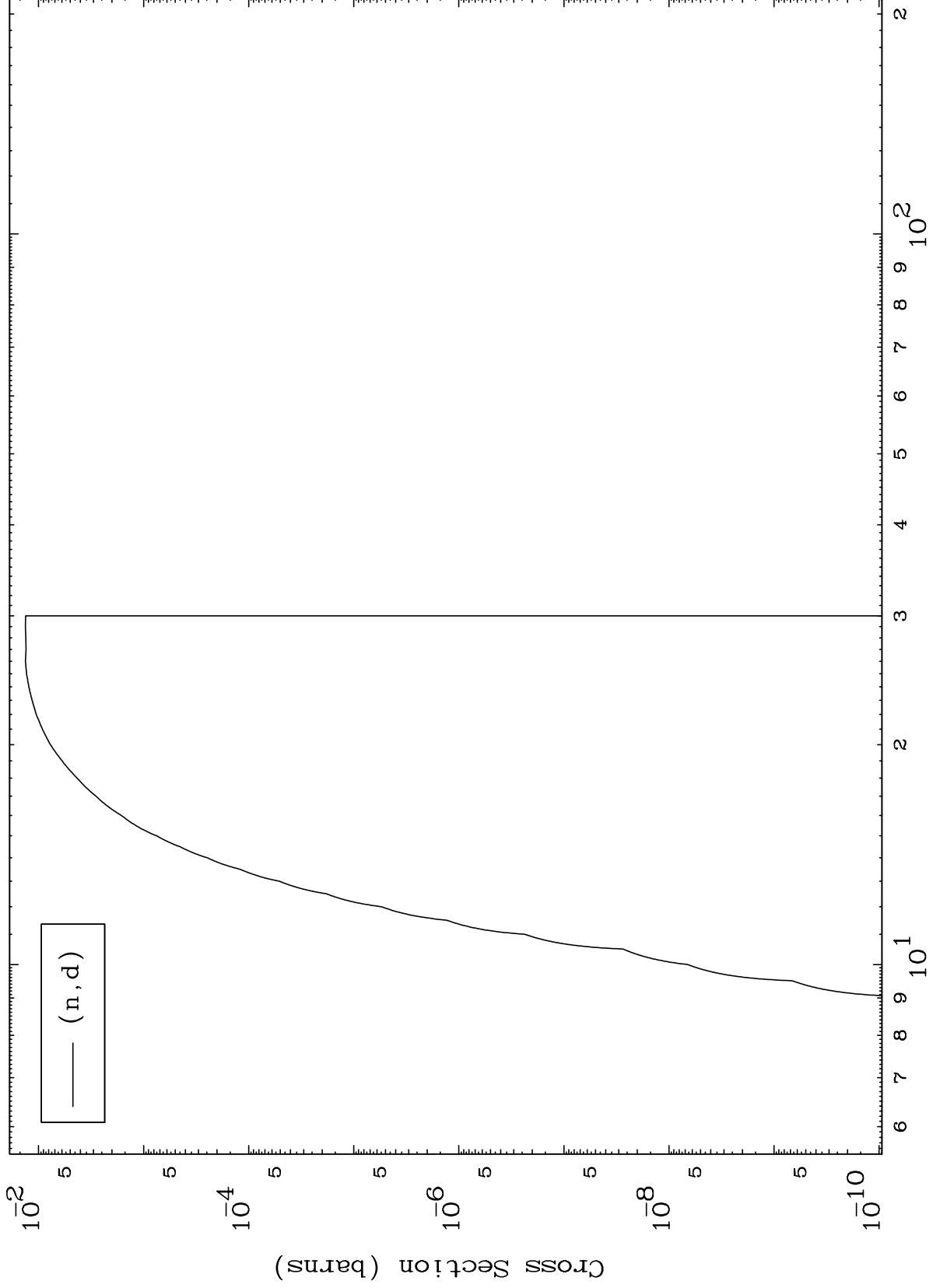
60-Nd-145



MAT 6034

(n,d) Levels
293 Kelvin Cross Sections

60-Nd-145



11

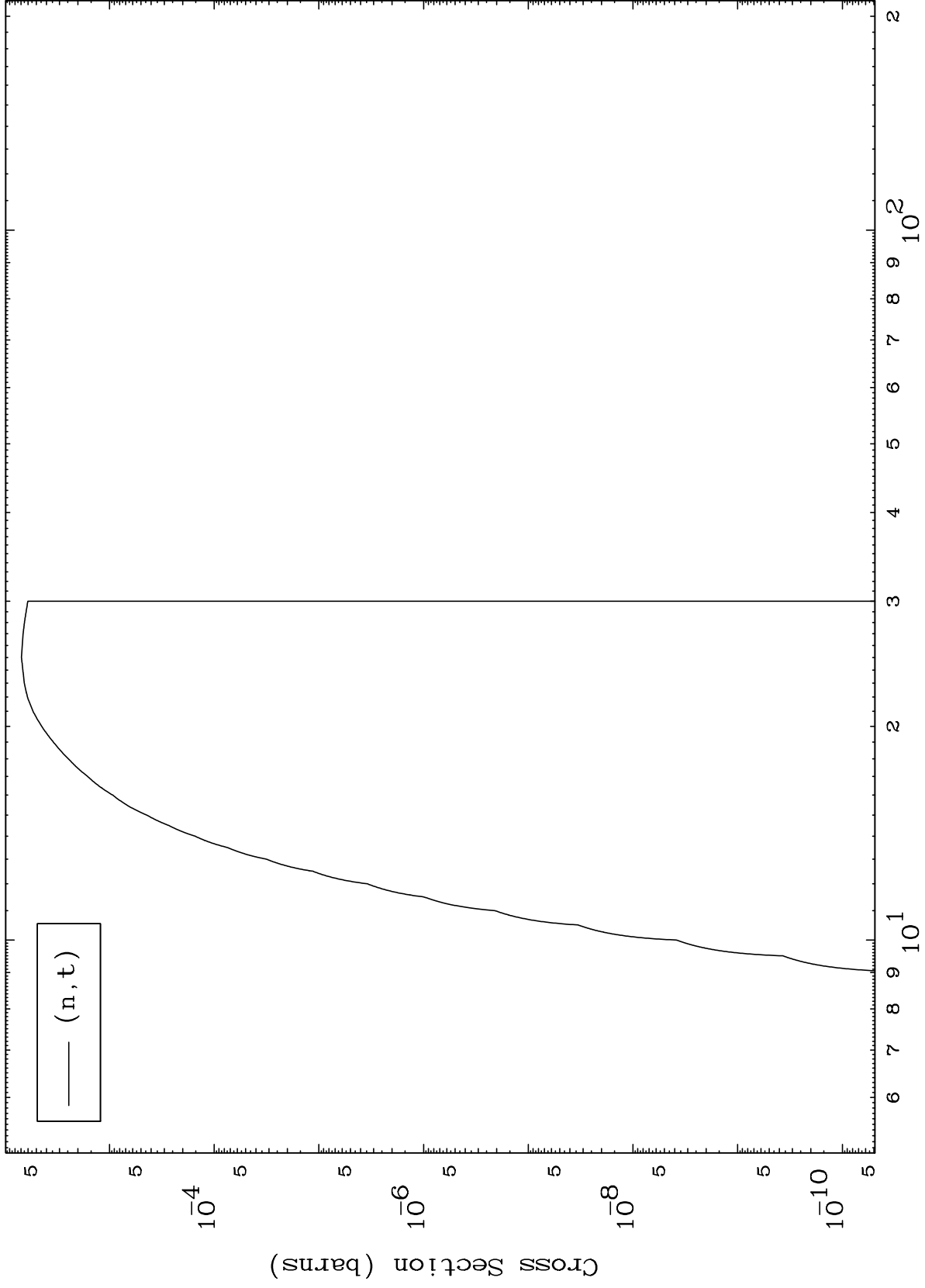
Incident Energy (MeV)

60-Nd-145

MAT 6034

(n, t) Levels
293 Kelvin Cross Sections

60-Nd-145



12

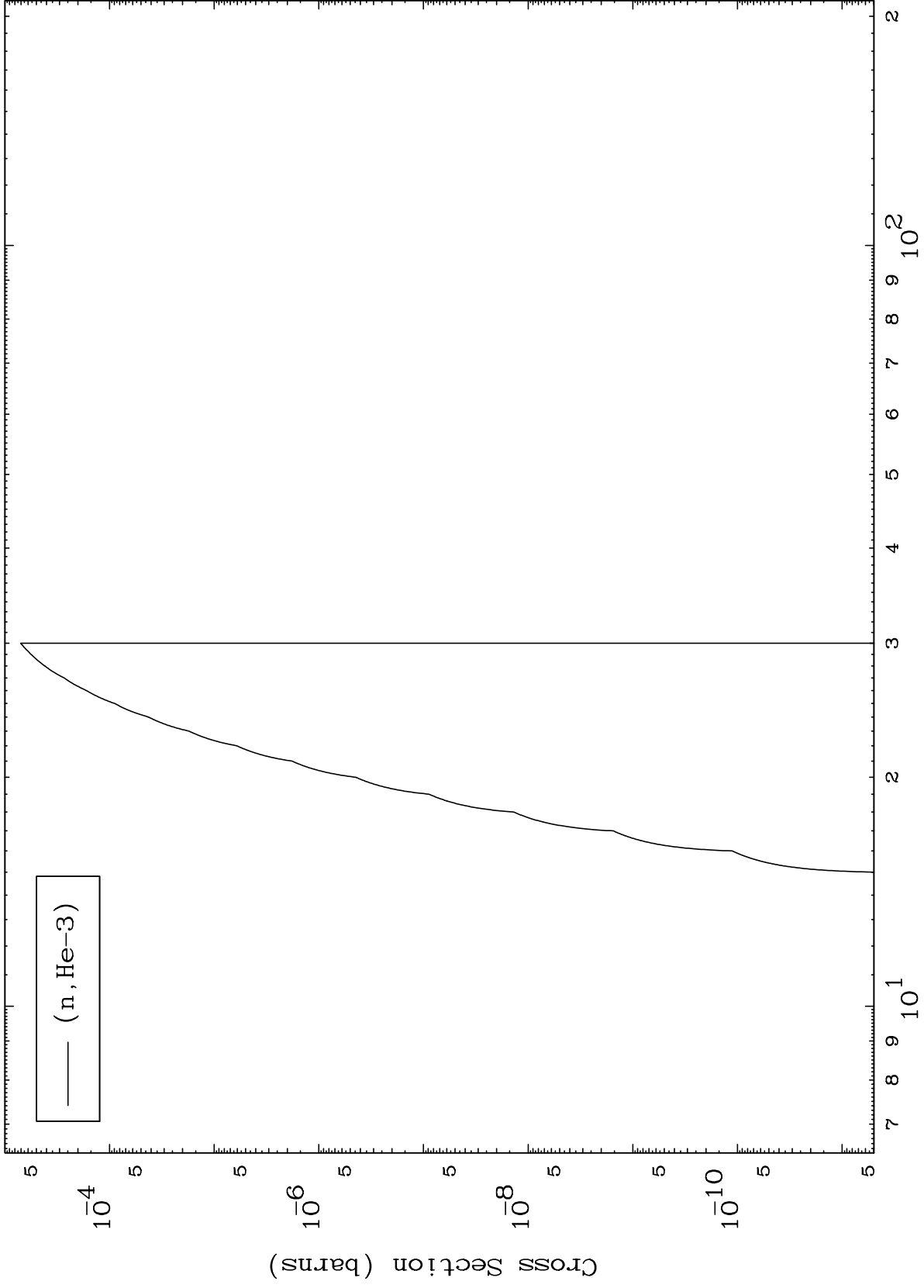
Incident Energy (MeV)

60-Nd-145

MAT 6034

(n,He3) Levels
293 Kelvin Cross Sections

60-Nd-145



13

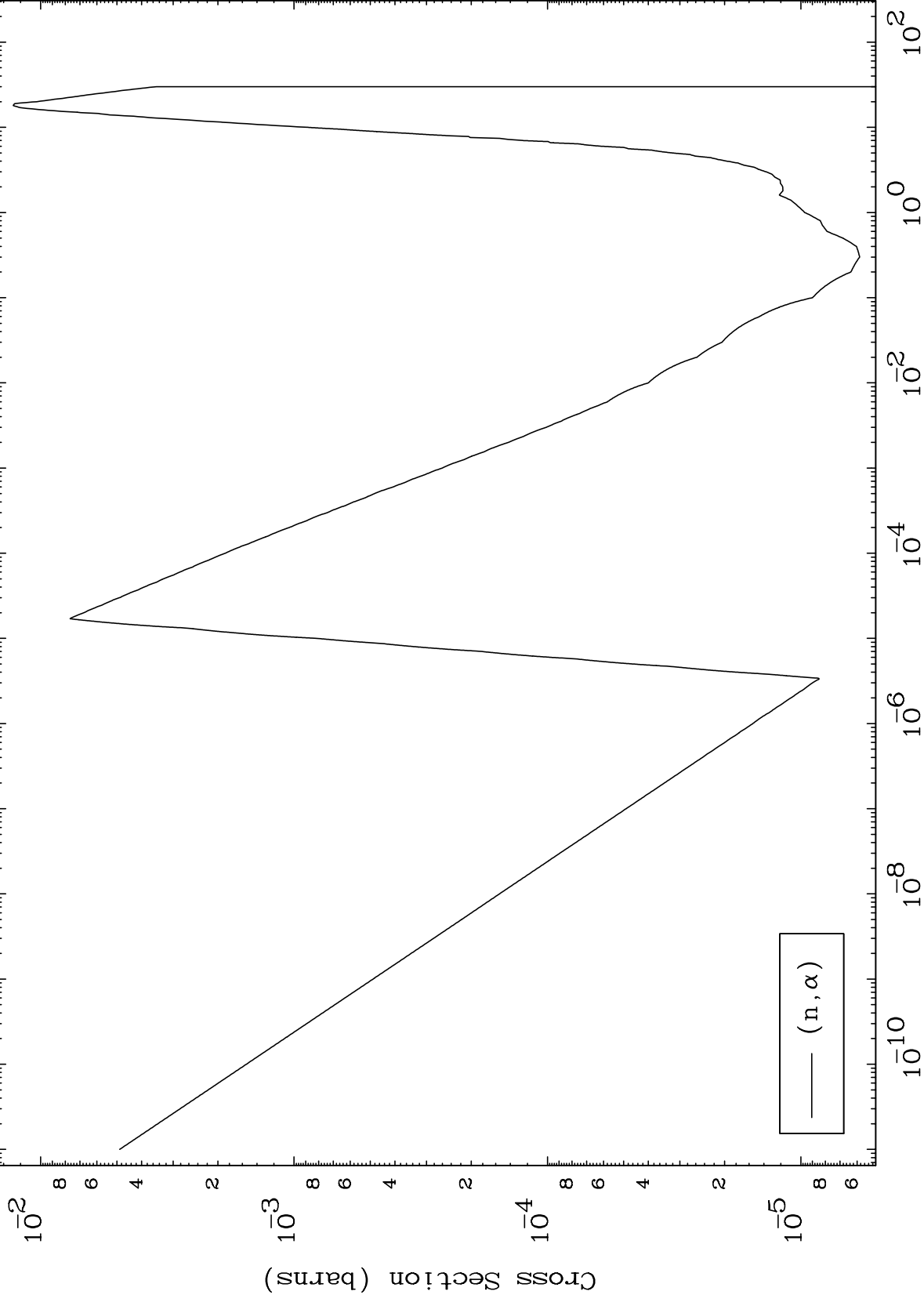
Incident Energy (MeV)

60-Nd-145

MAT 6034

(n,α) Levels
293 Kelvin Cross Sections

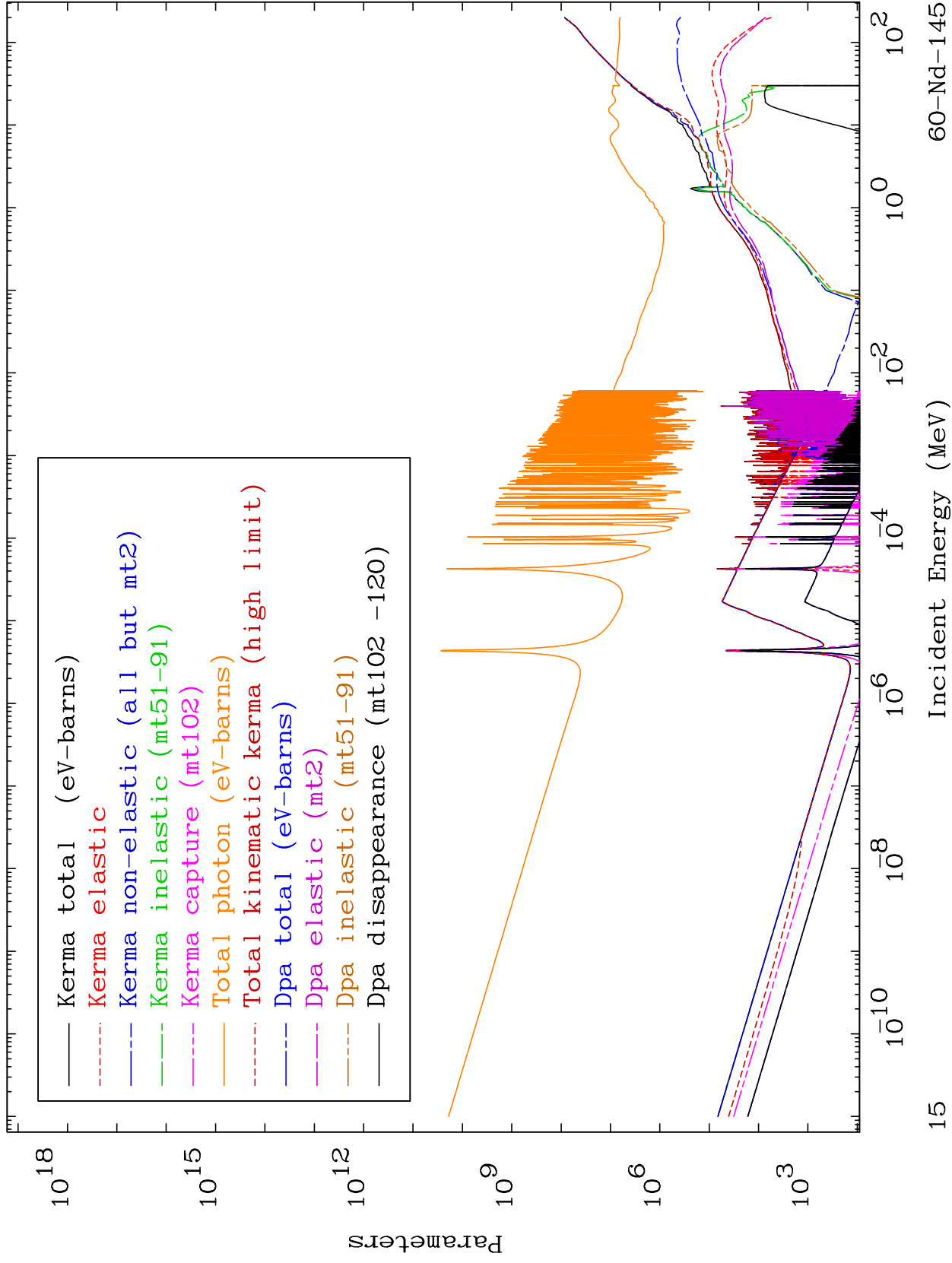
60-Nd-145

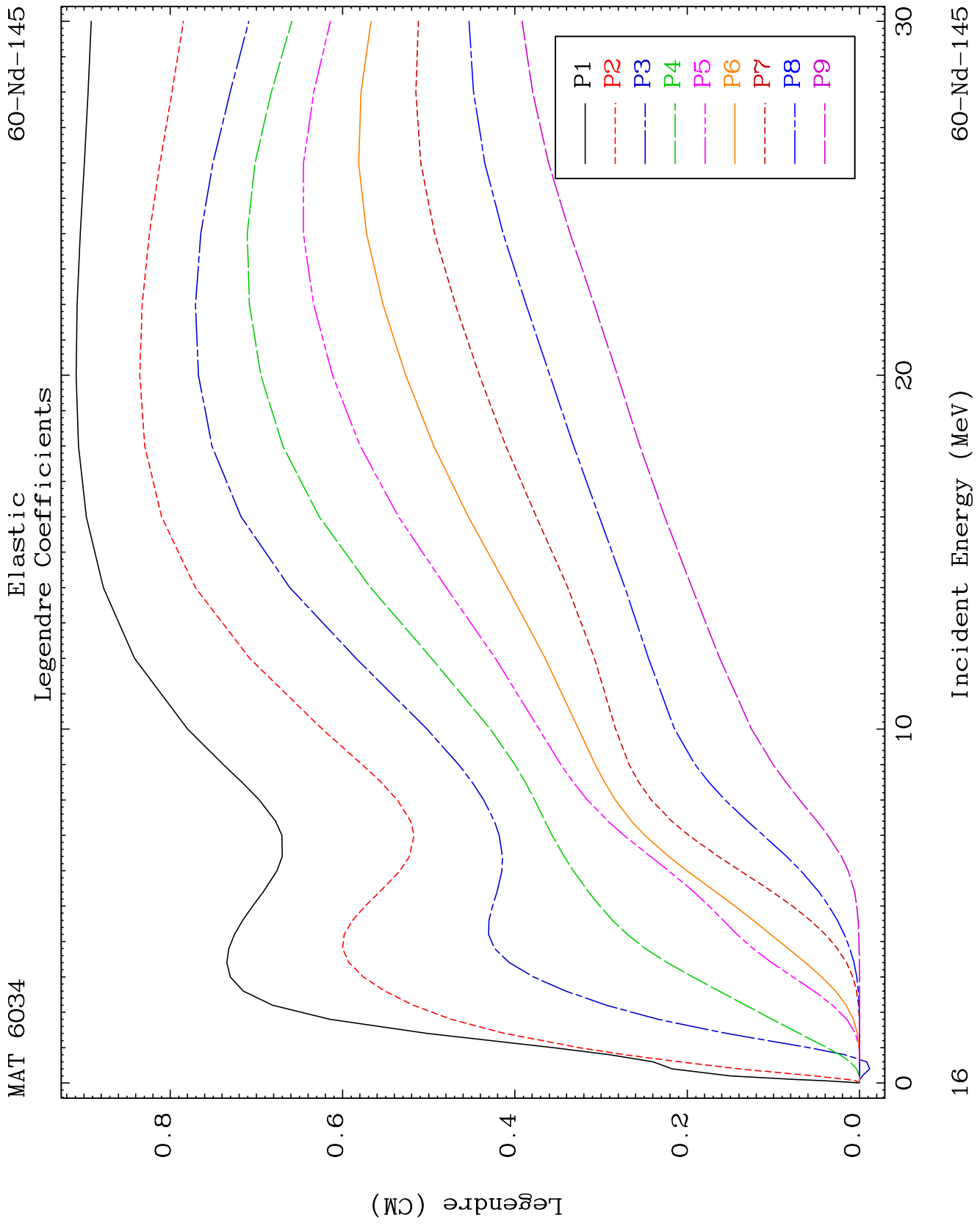


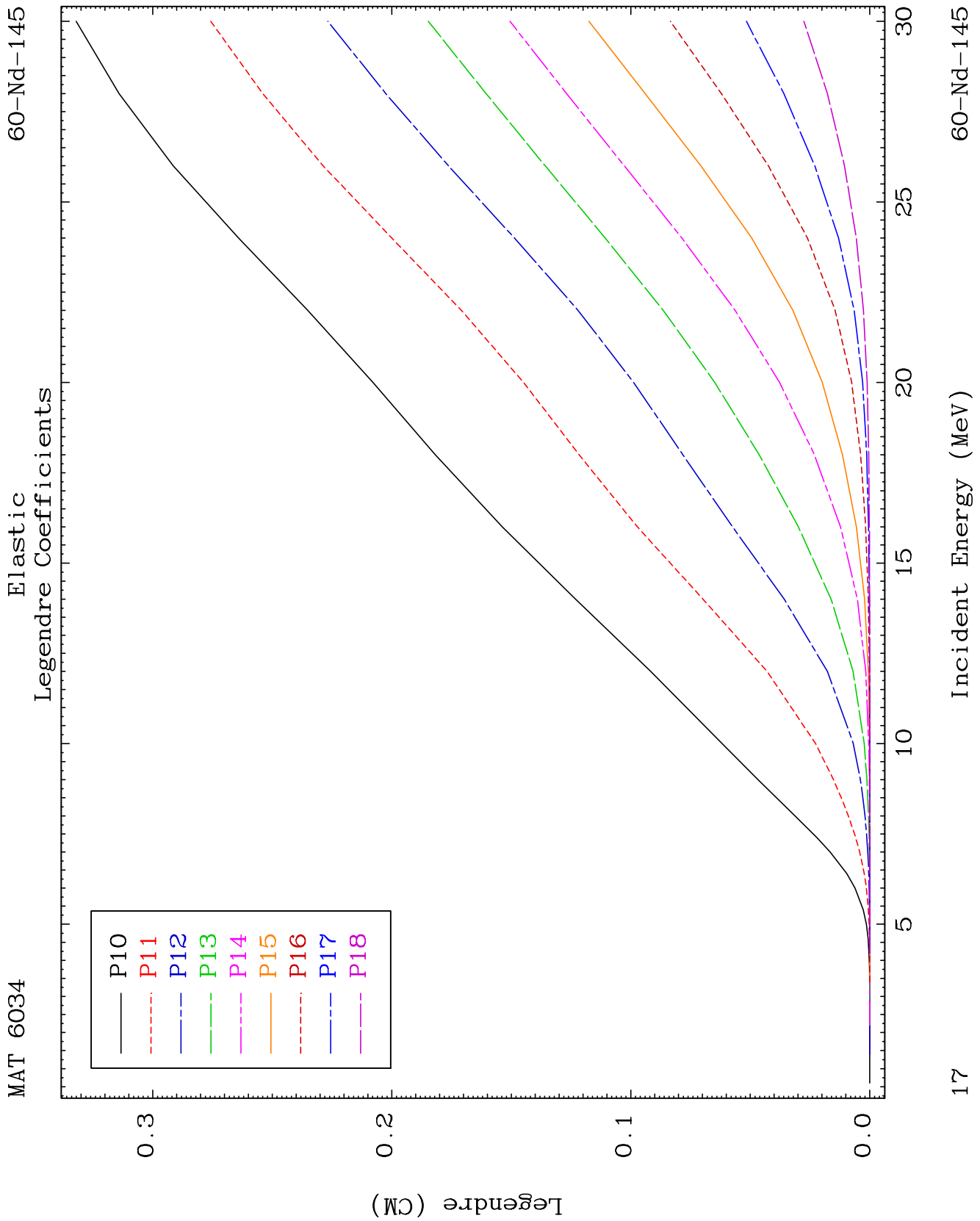
60-Nd-145

Incident Energy (MeV)

14



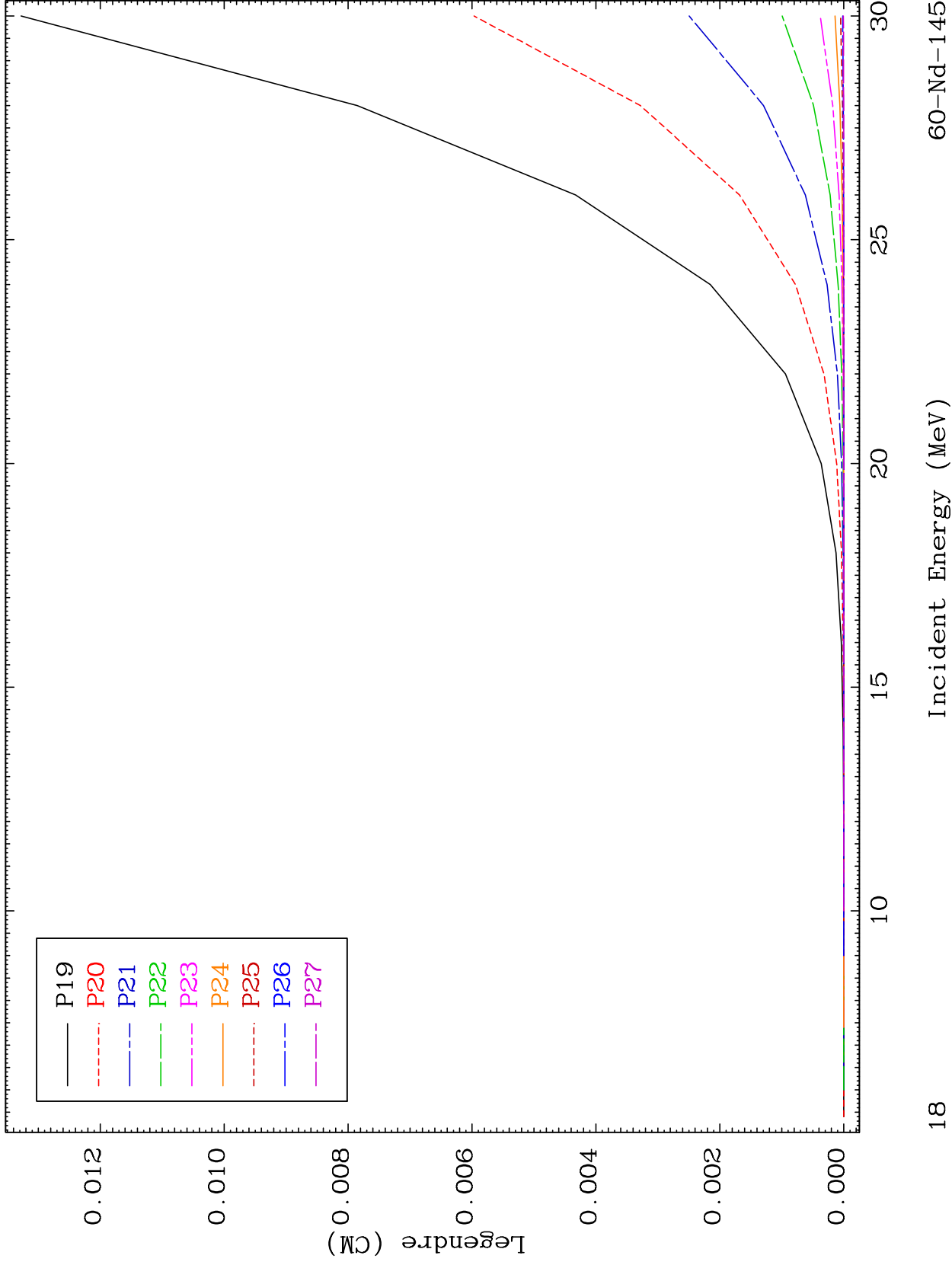




MAT 6034

Elastic Legendre Coefficients

⁶⁰Nd-145



18

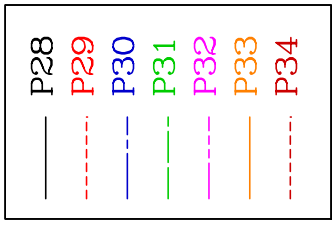
Incident Energy (MeV)

⁶⁰Nd-145

MAT 6034

Elastic Legendre Coefficients

60-Nd-145



$\times 10^{-6}$

1.5

Legendre (CM)

1.0

0.5

0.0

15

20

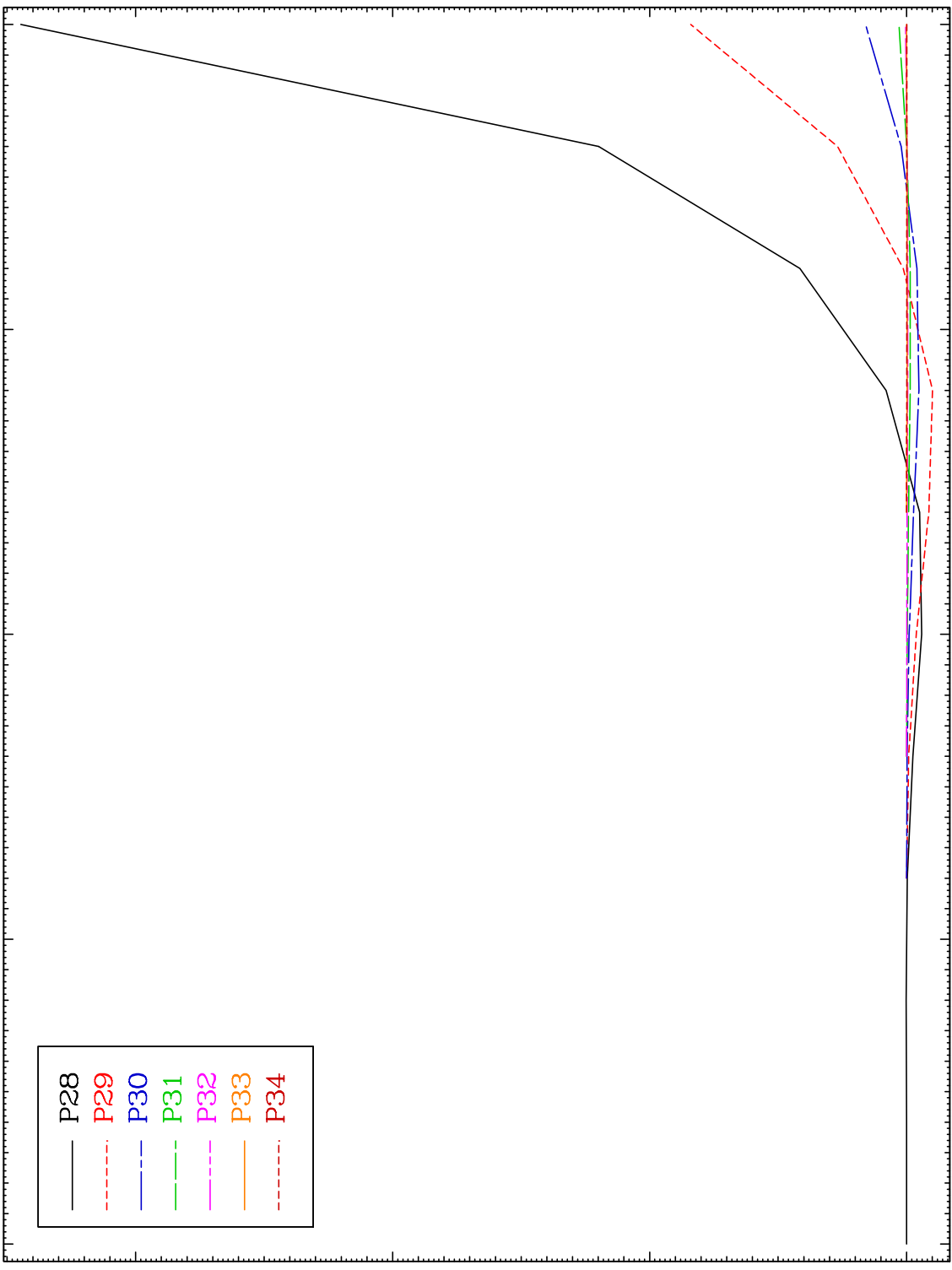
25

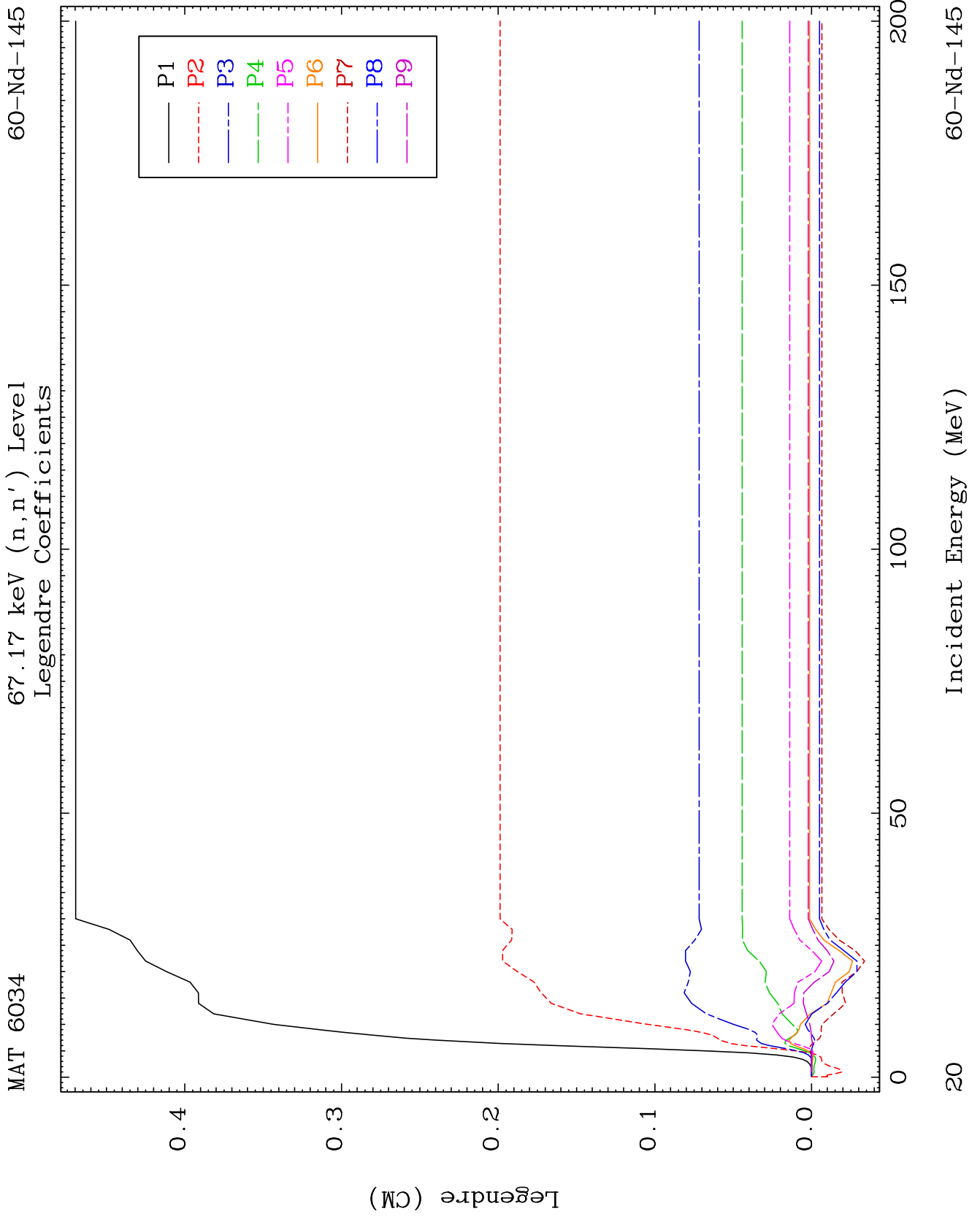
30

19

Incident Energy (MeV)

60-Nd-145

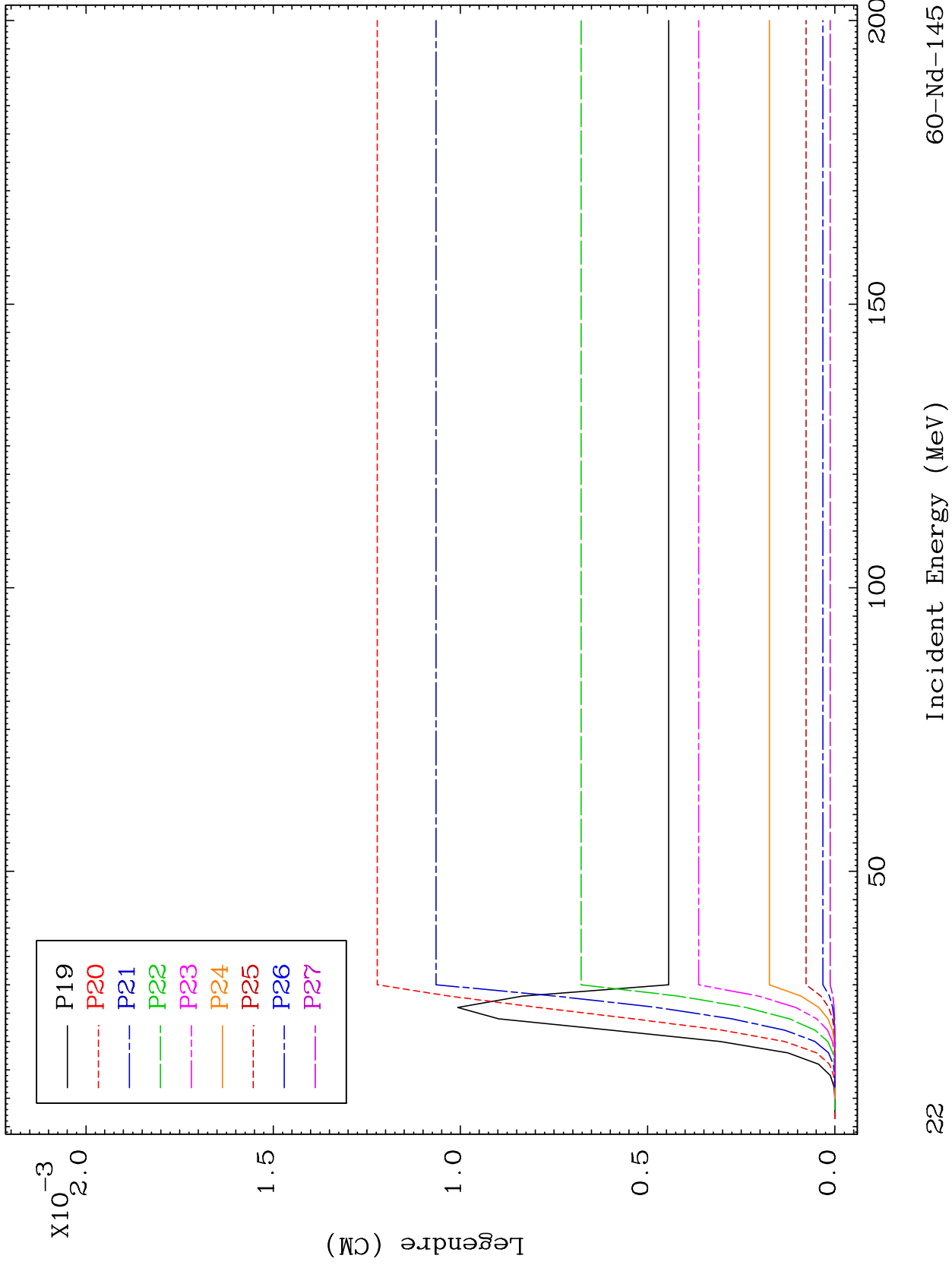




MAT 6034

67.17 keV (n,n') Level
Legendre Coefficients

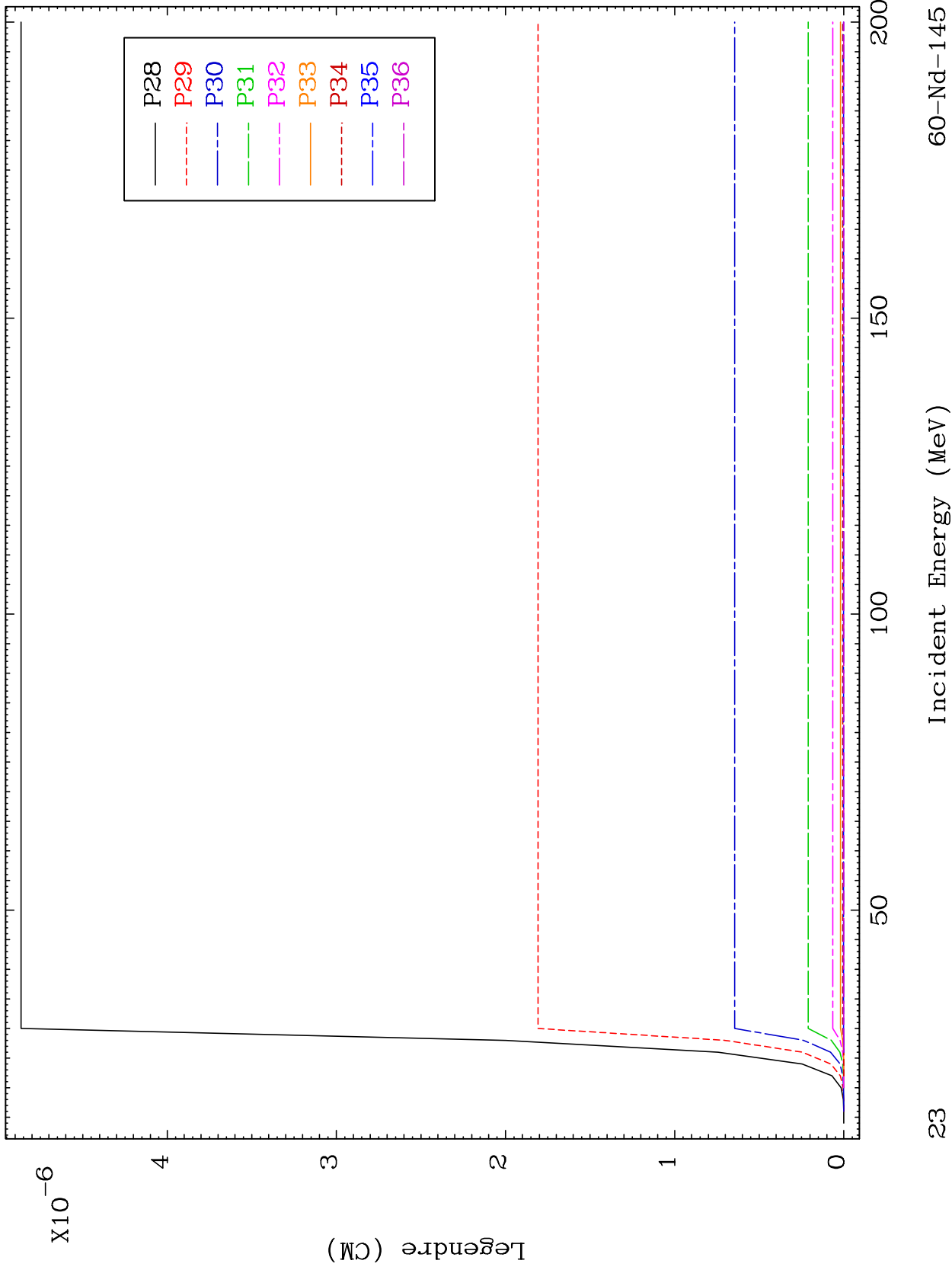
60-Nd-145



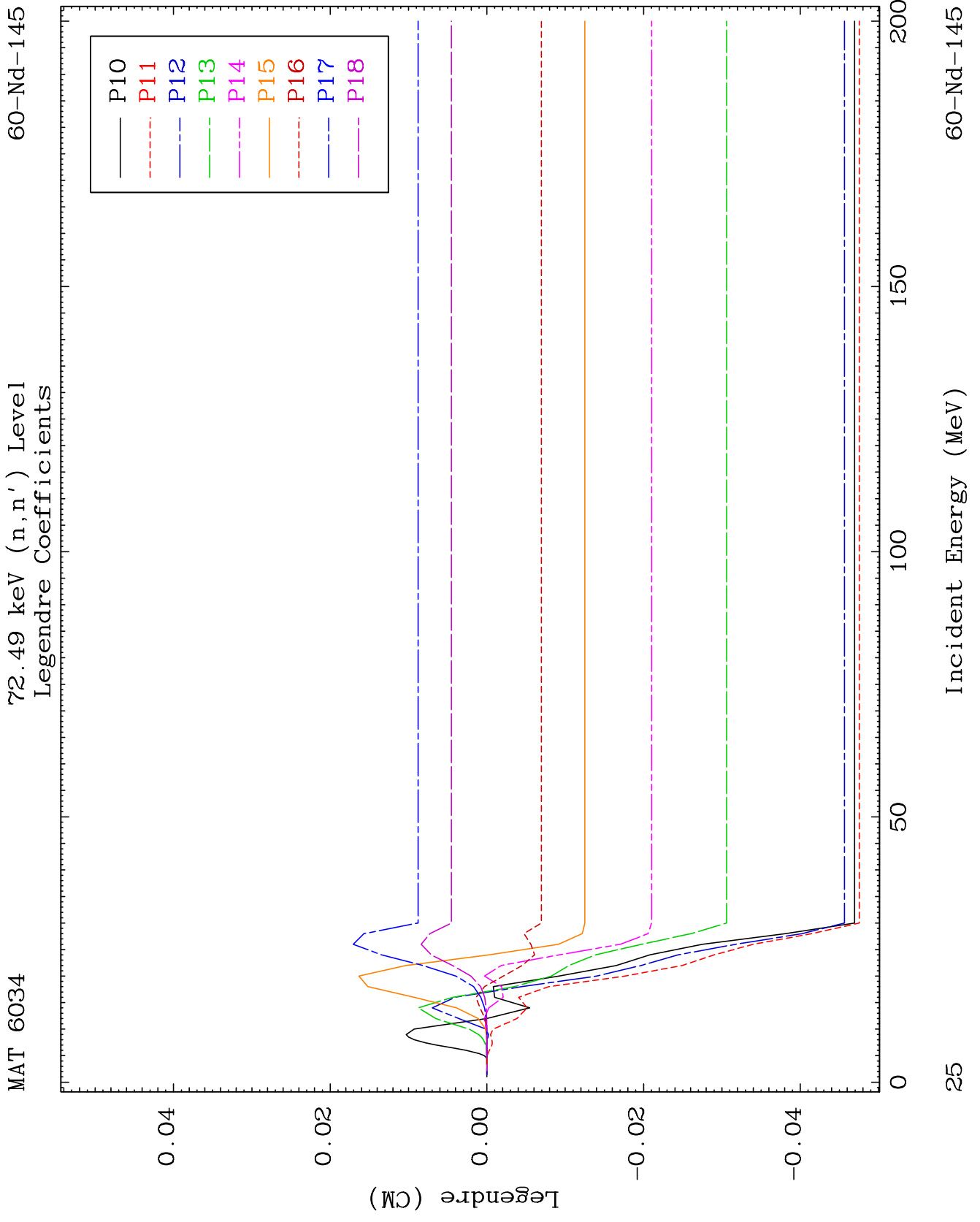
MAT 6034

67.17 keV (n, n') Level
Legendre Coefficients

60-Nd-145



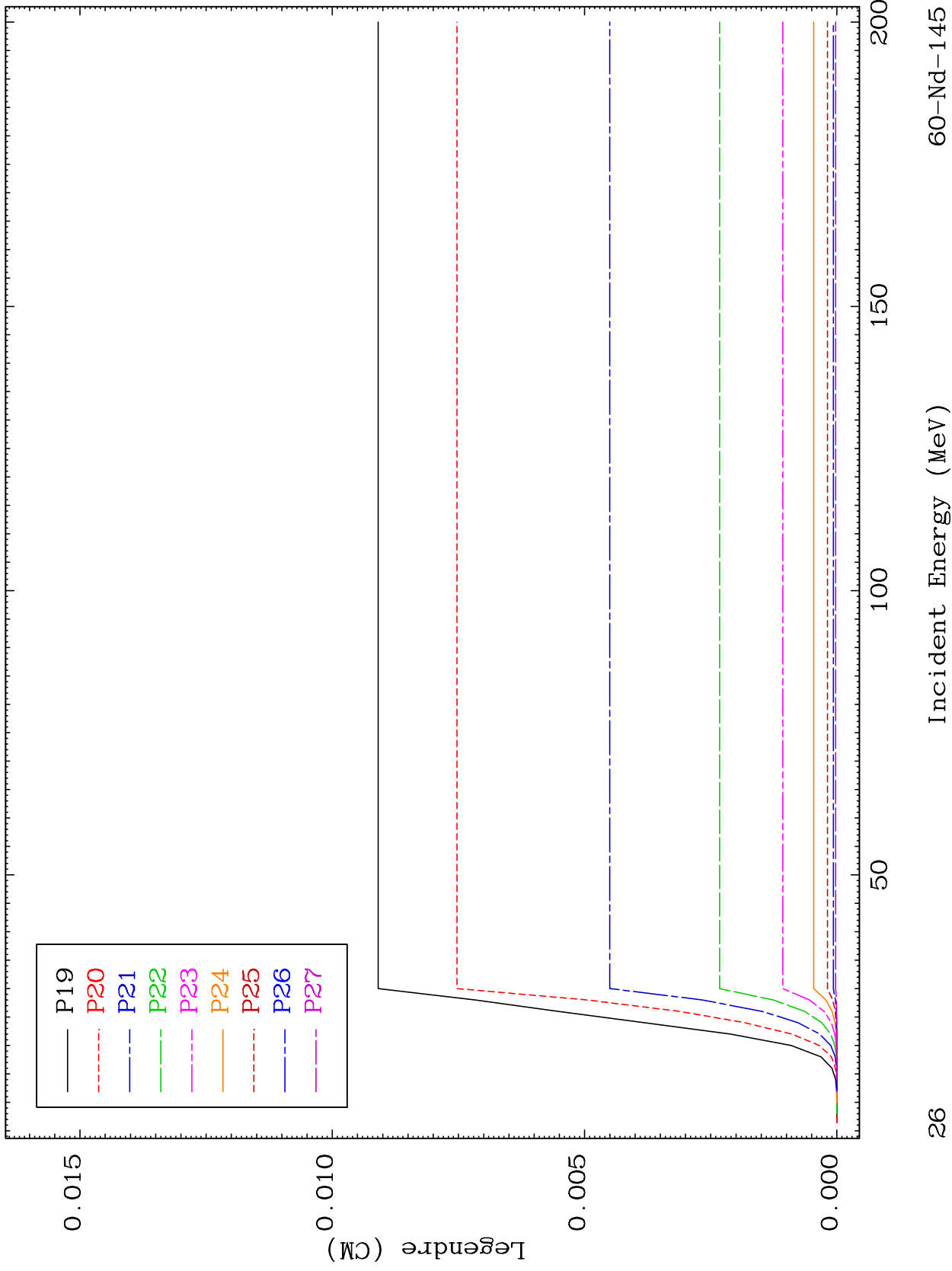
23



MAT 6034

72.49 keV (n,n') Level
Legendre Coefficients

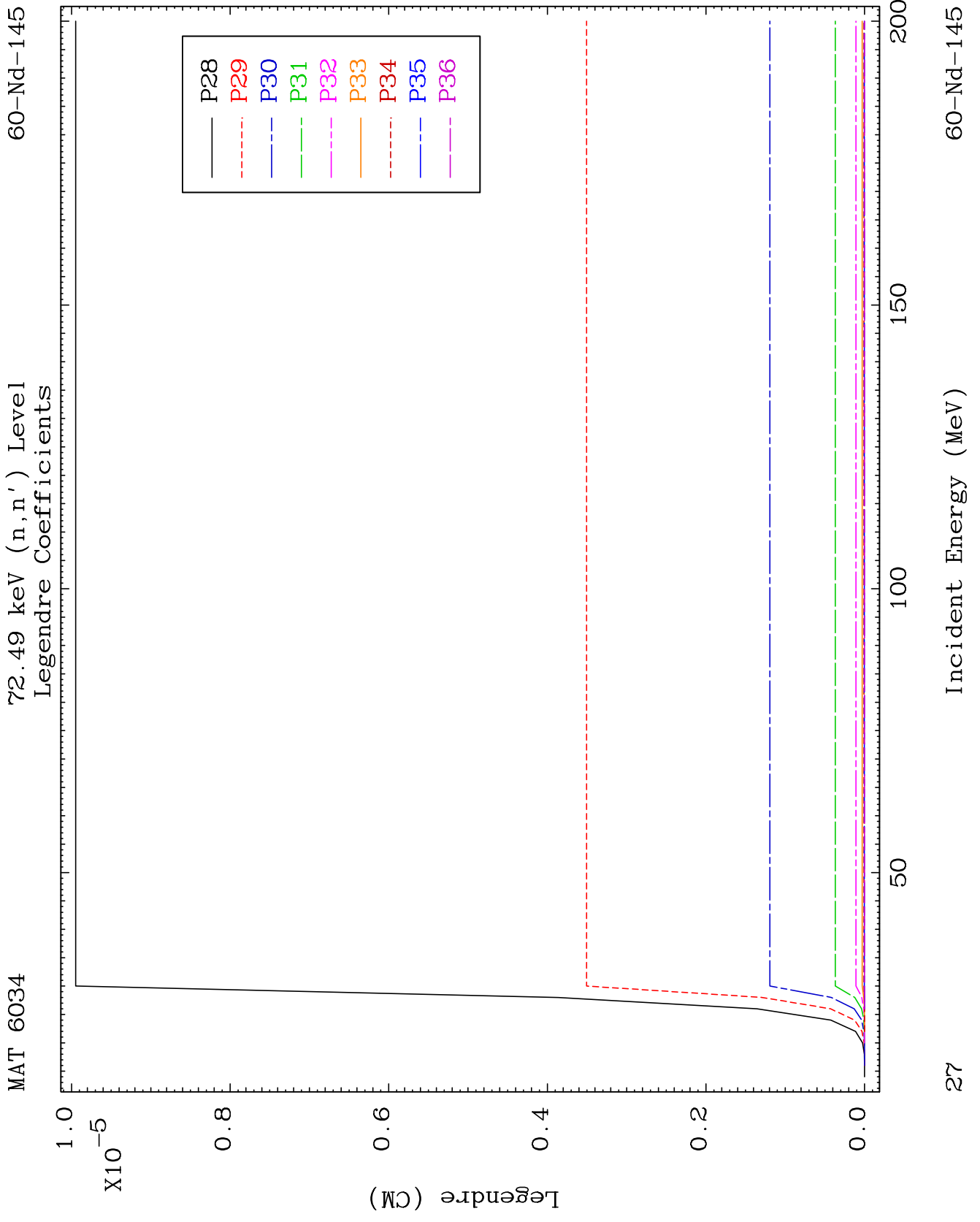
60-Nd-145



26

Incident Energy (MeV)

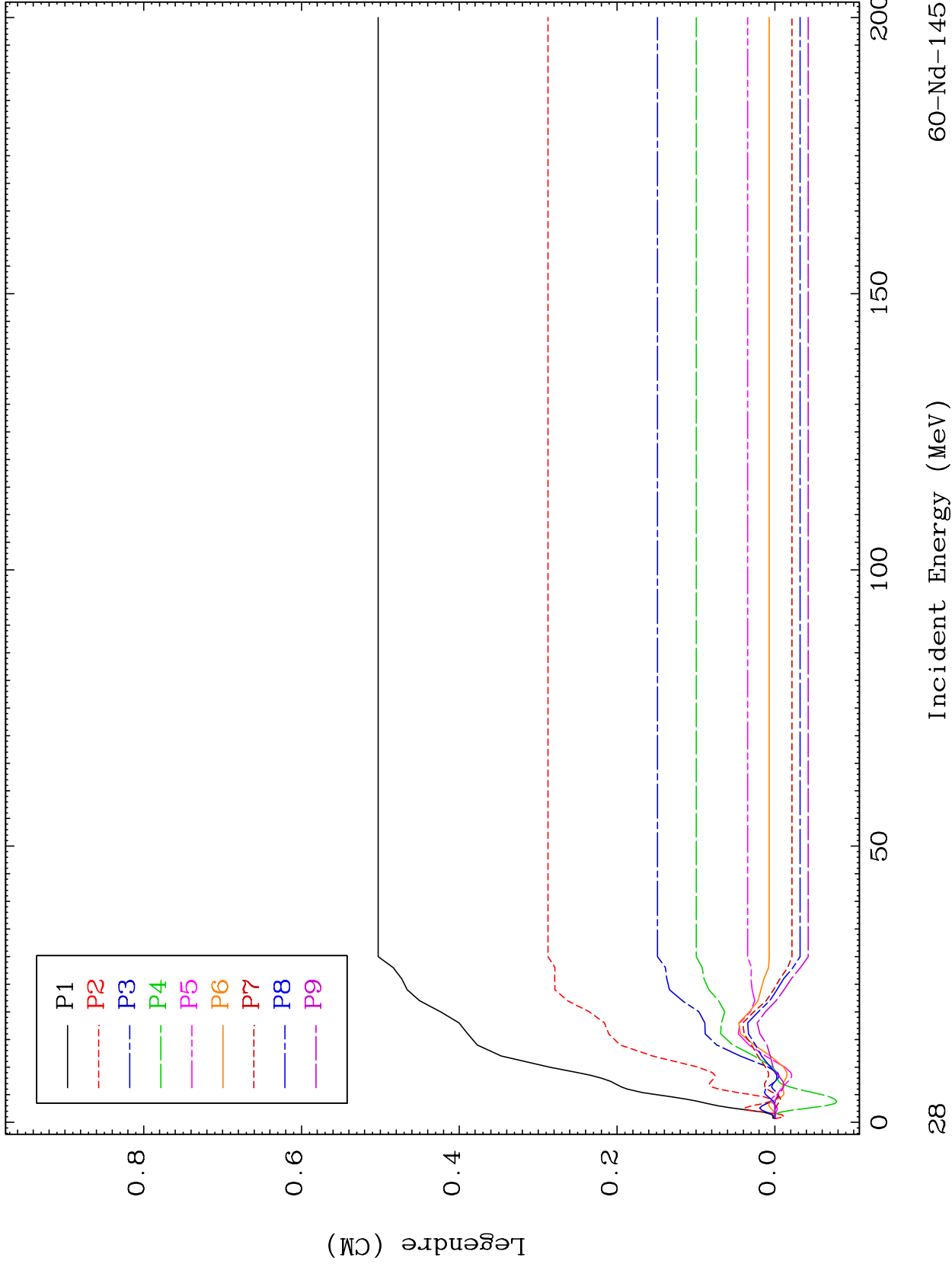
60-Nd-145



MAT 6034

657.7 keV (n,n') Level
Legendre Coefficients

60-Nd-145

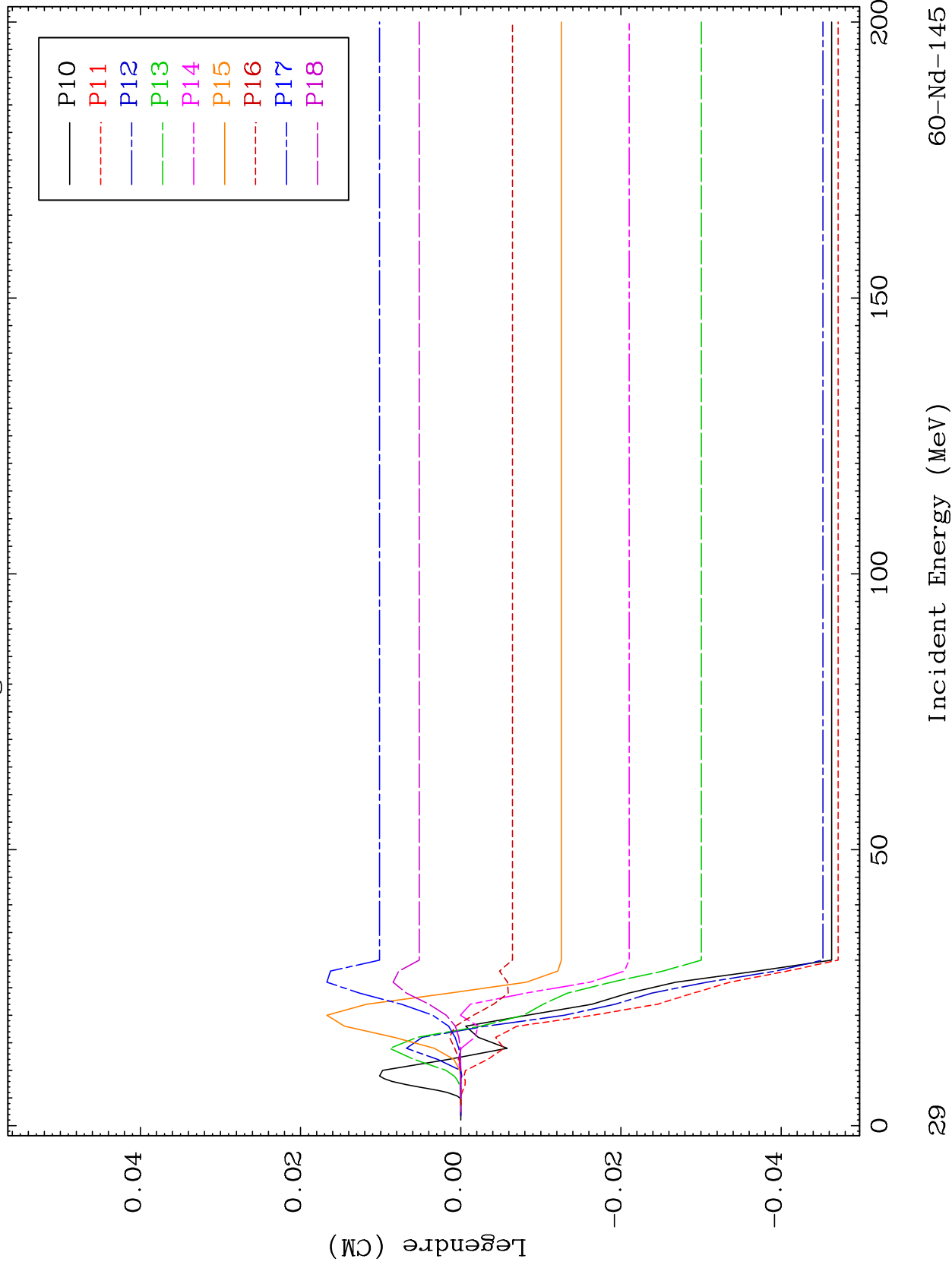


28

MAT 6034

657.7 keV (n,n') Level
Legendre Coefficients

60-Nd-145



29

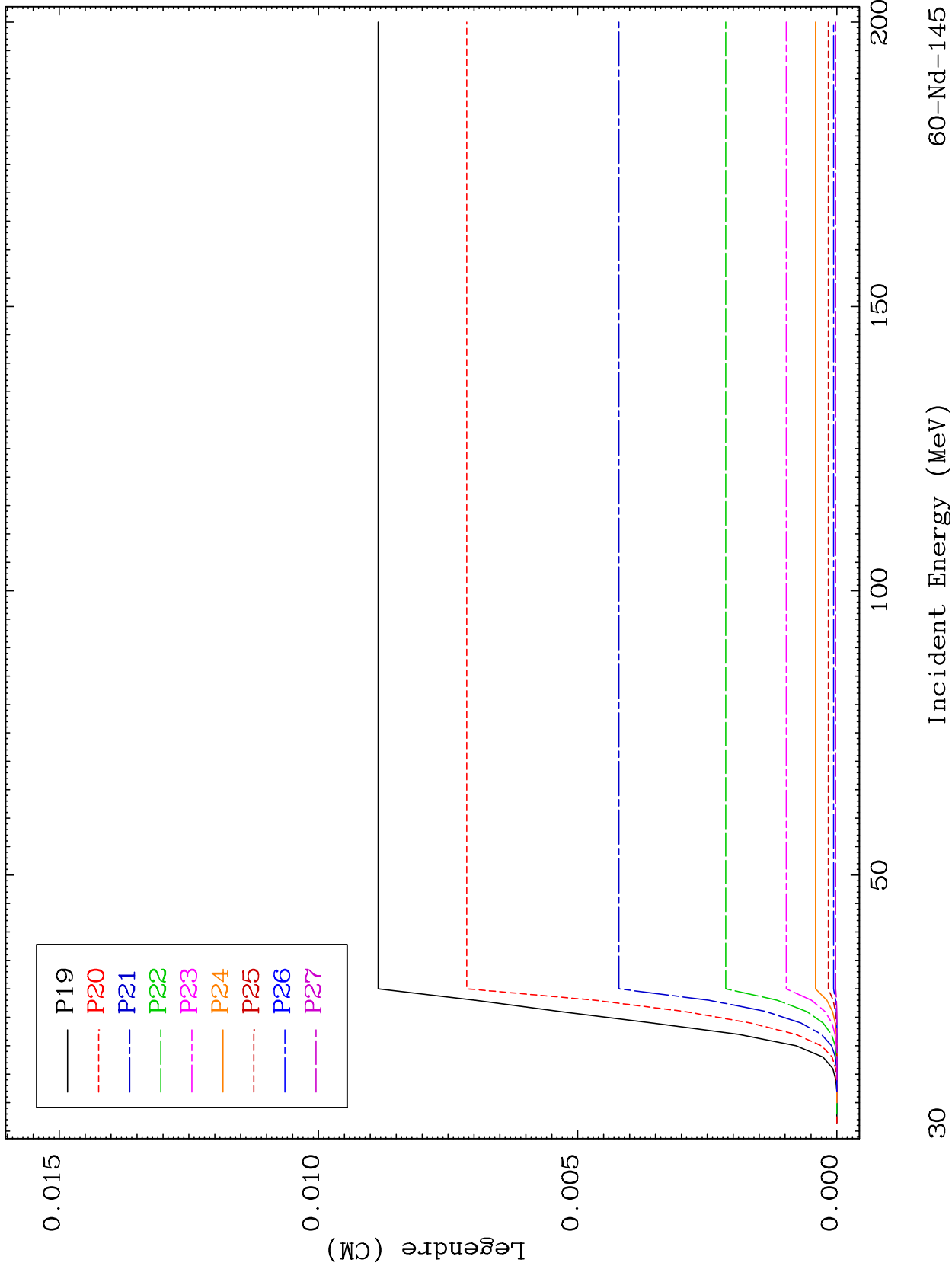
Incident Energy (MeV)

60-Nd-145

MAT 6034

657.7 keV (n,n') Level
Legendre Coefficients

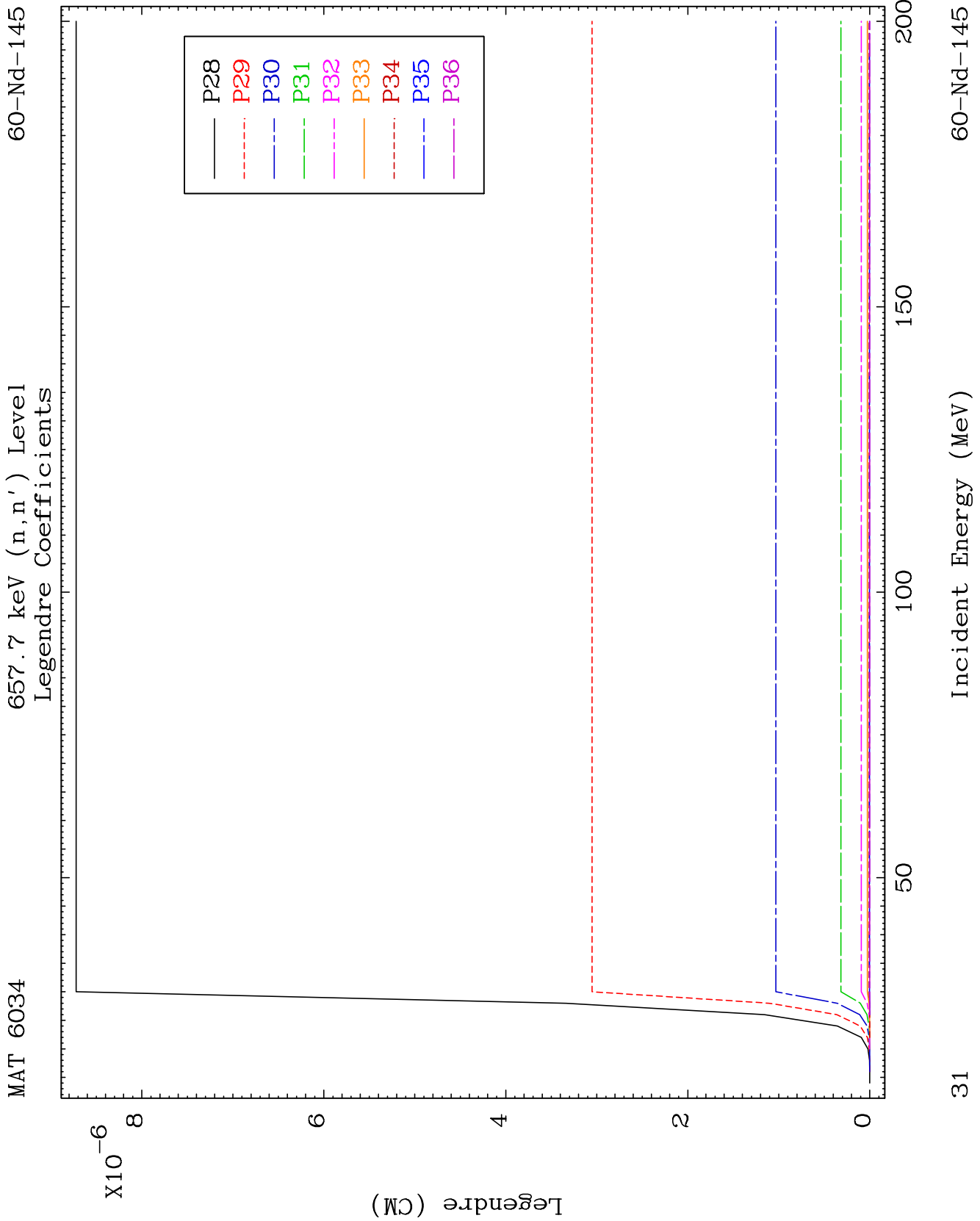
60-Nd-145



30

Incident Energy (MeV)

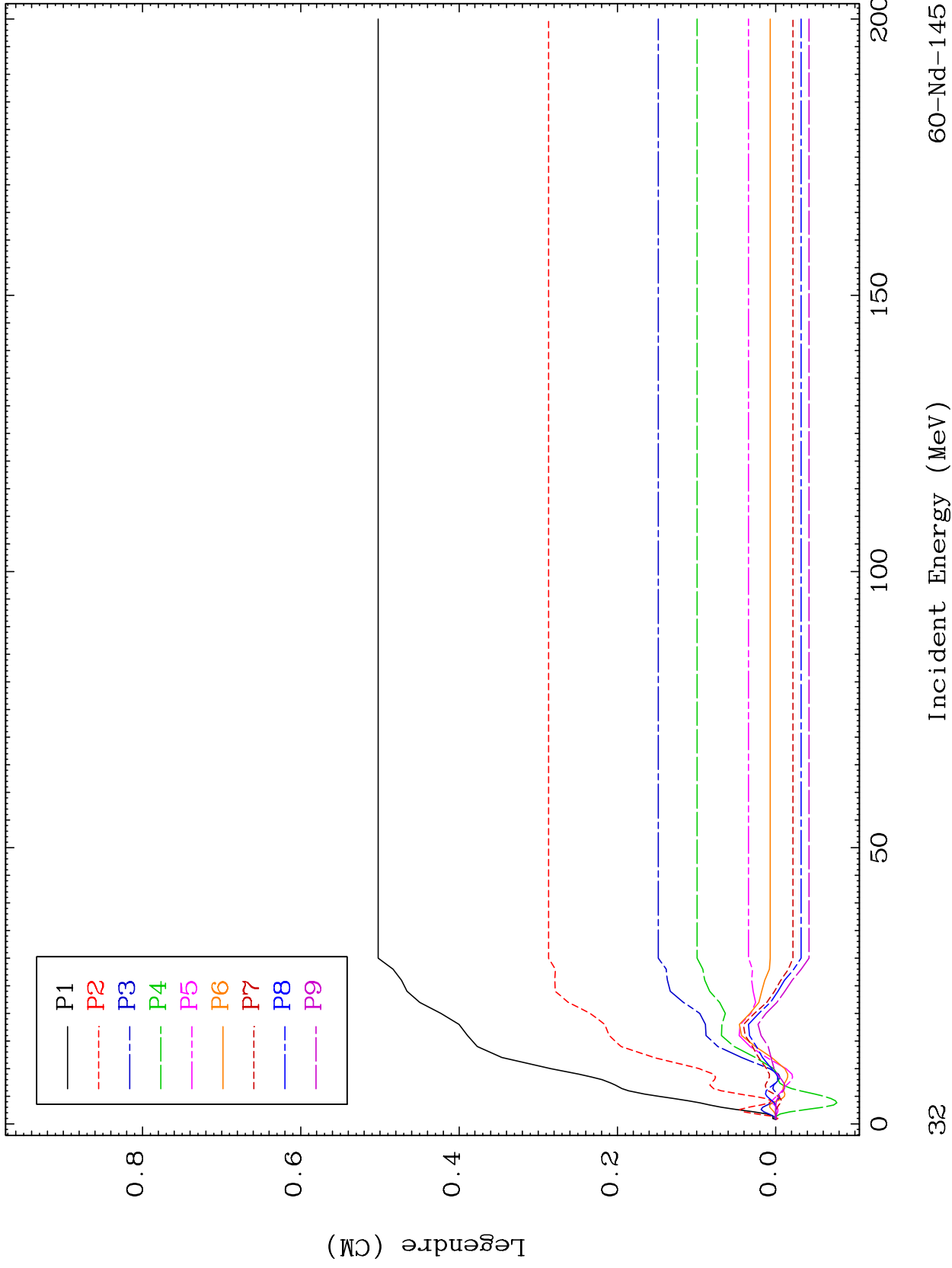
60-Nd-145



MAT 6034

748.3 keV (n,n') Level
Legendre Coefficients

60-Nd-145



60-Nd-145

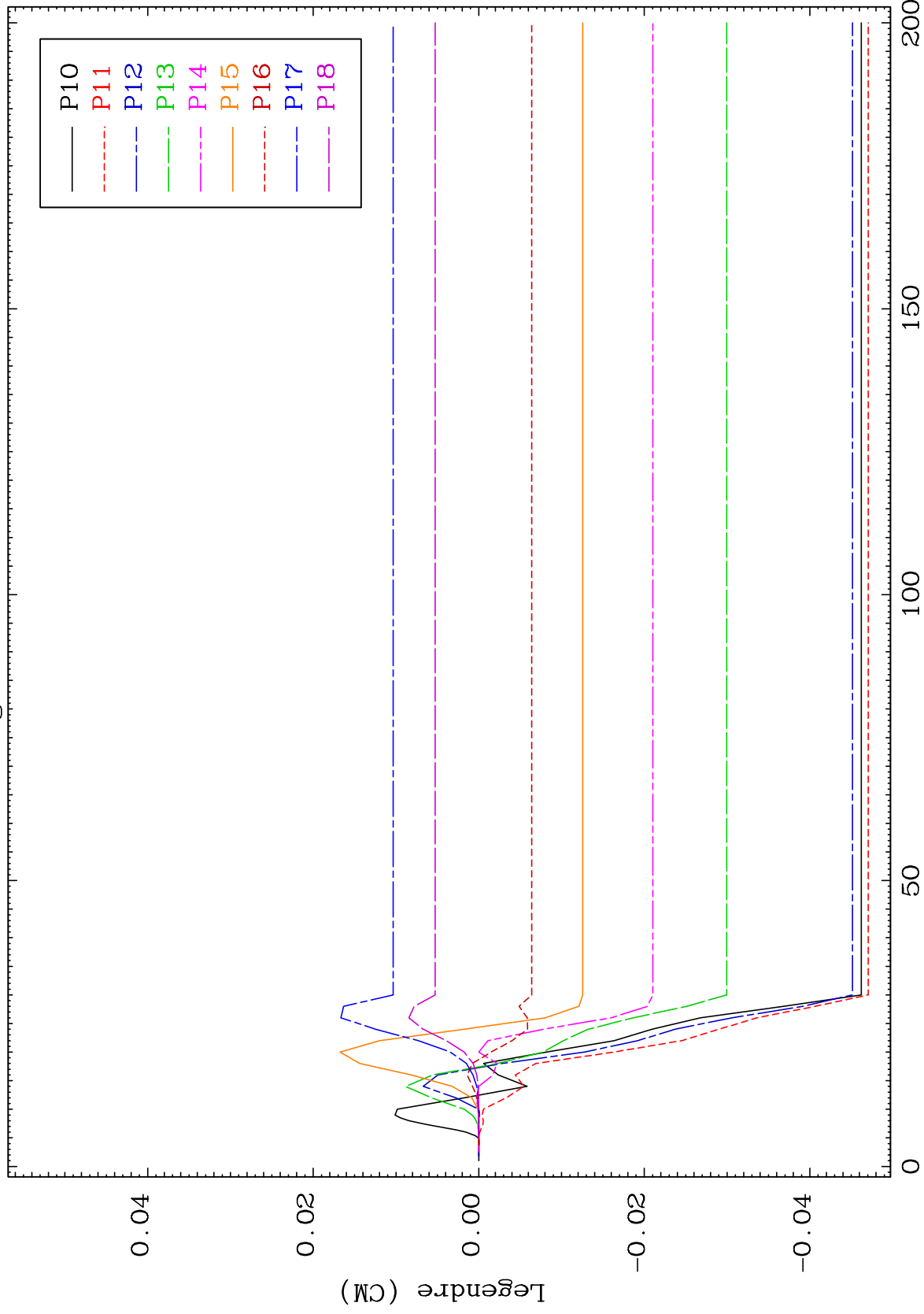
Incident Energy (MeV)

32

MAT 6034

748.3 keV (n,n') Level
Legendre Coefficients

60-Nd-145



33

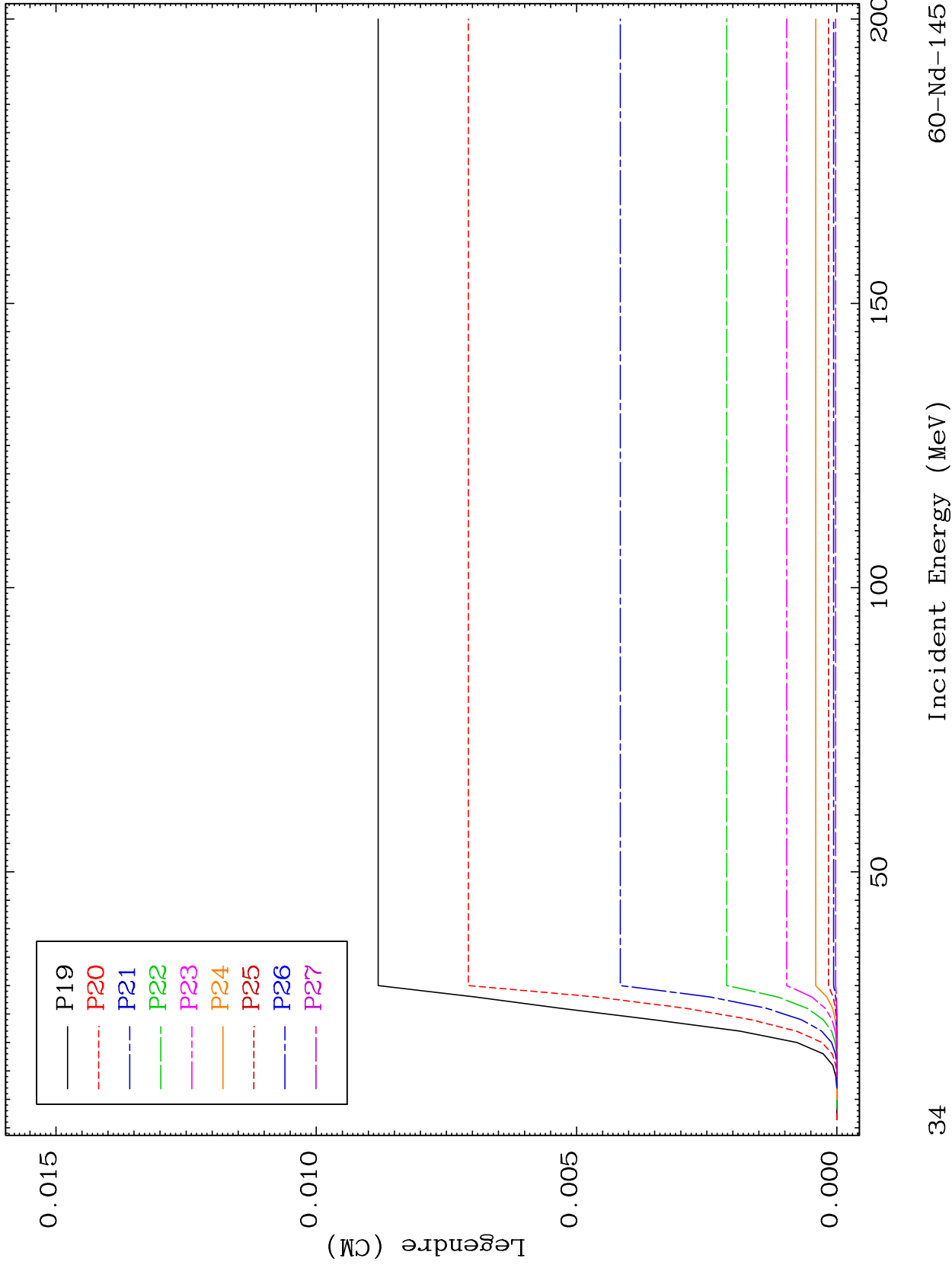
Incident Energy (MeV)

60-Nd-145

MAT 6034

748.3 keV (n, n') Level
Legendre Coefficients

60-Nd-145



34

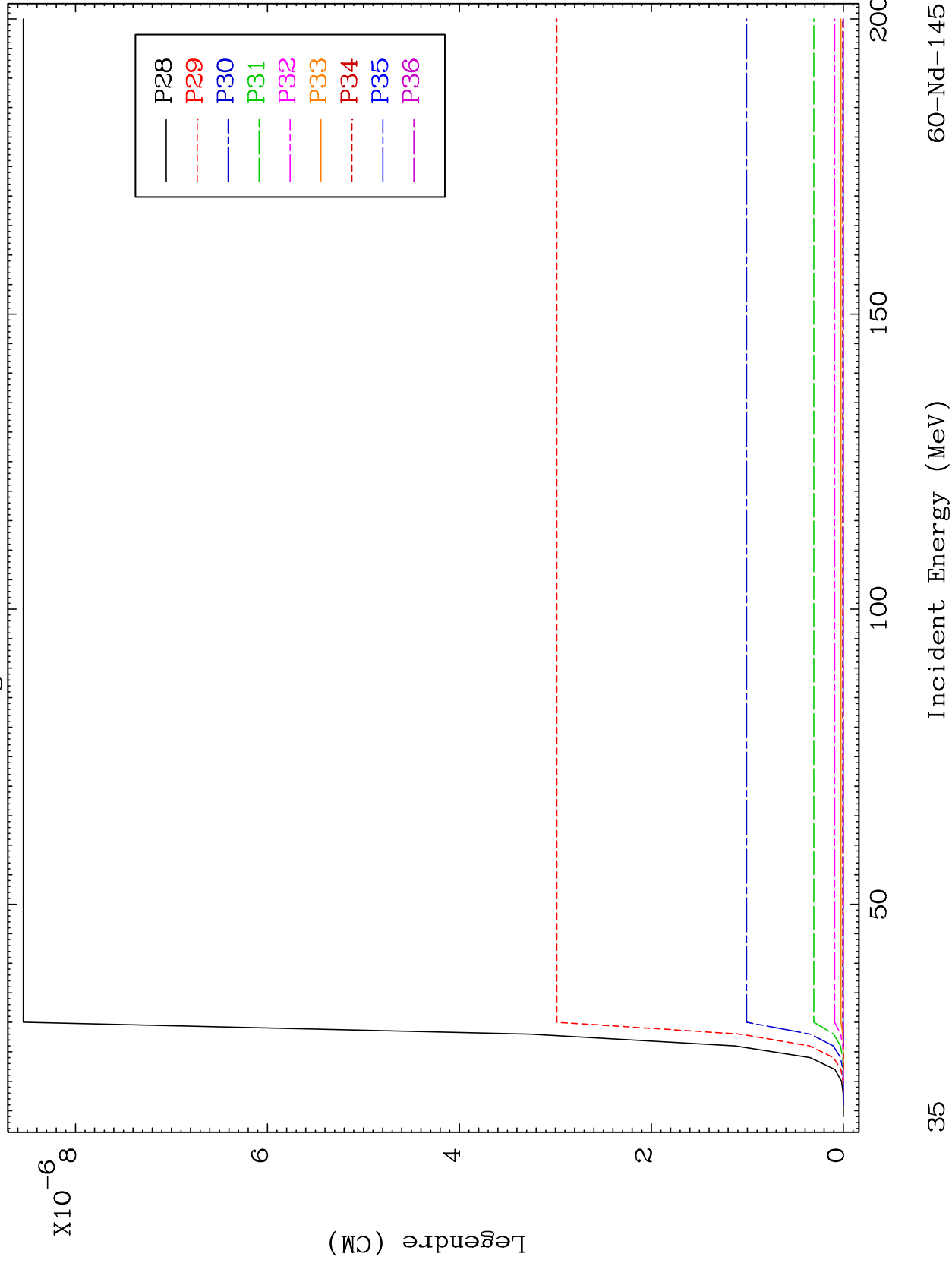
Incident Energy (MeV)

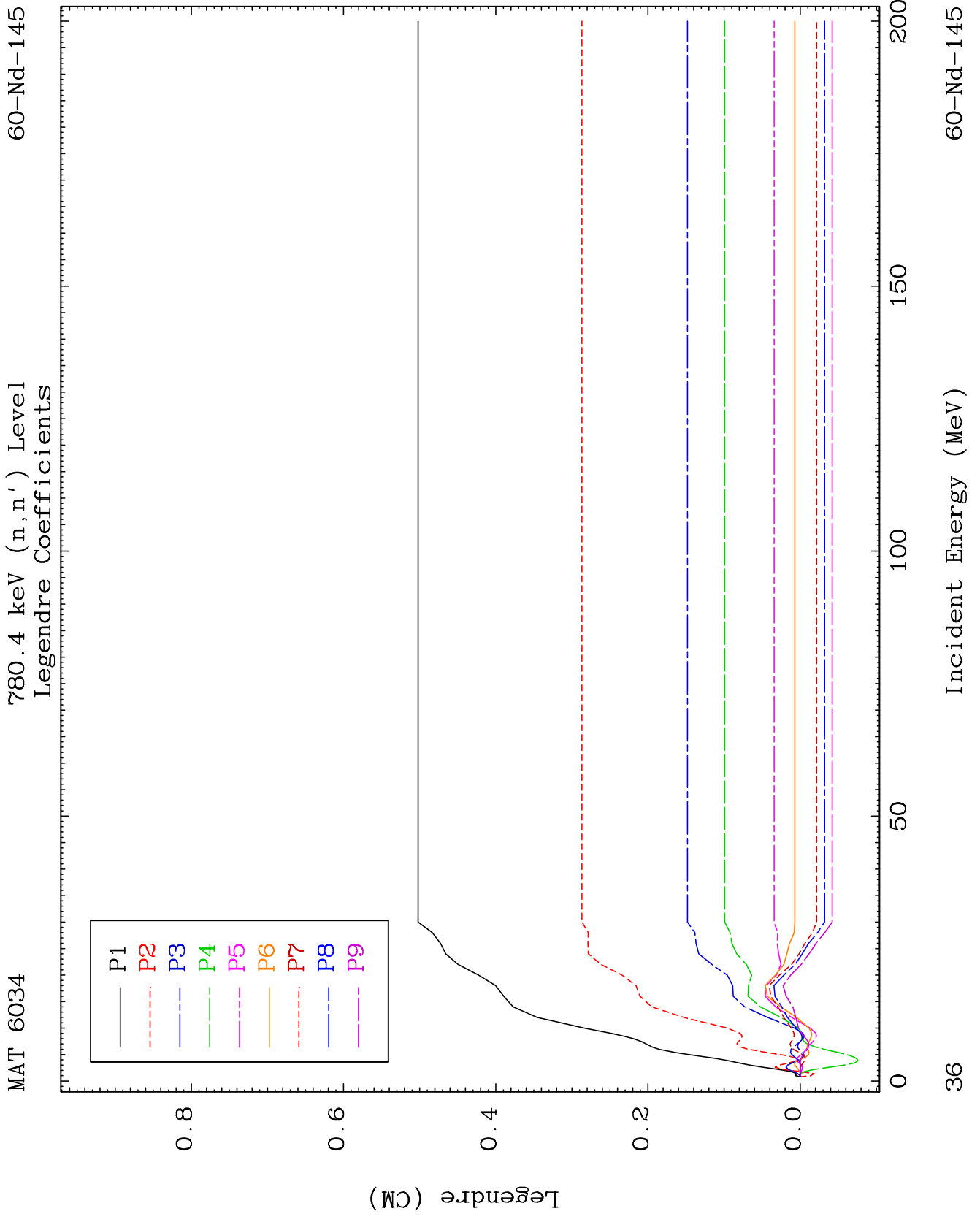
60-Nd-145

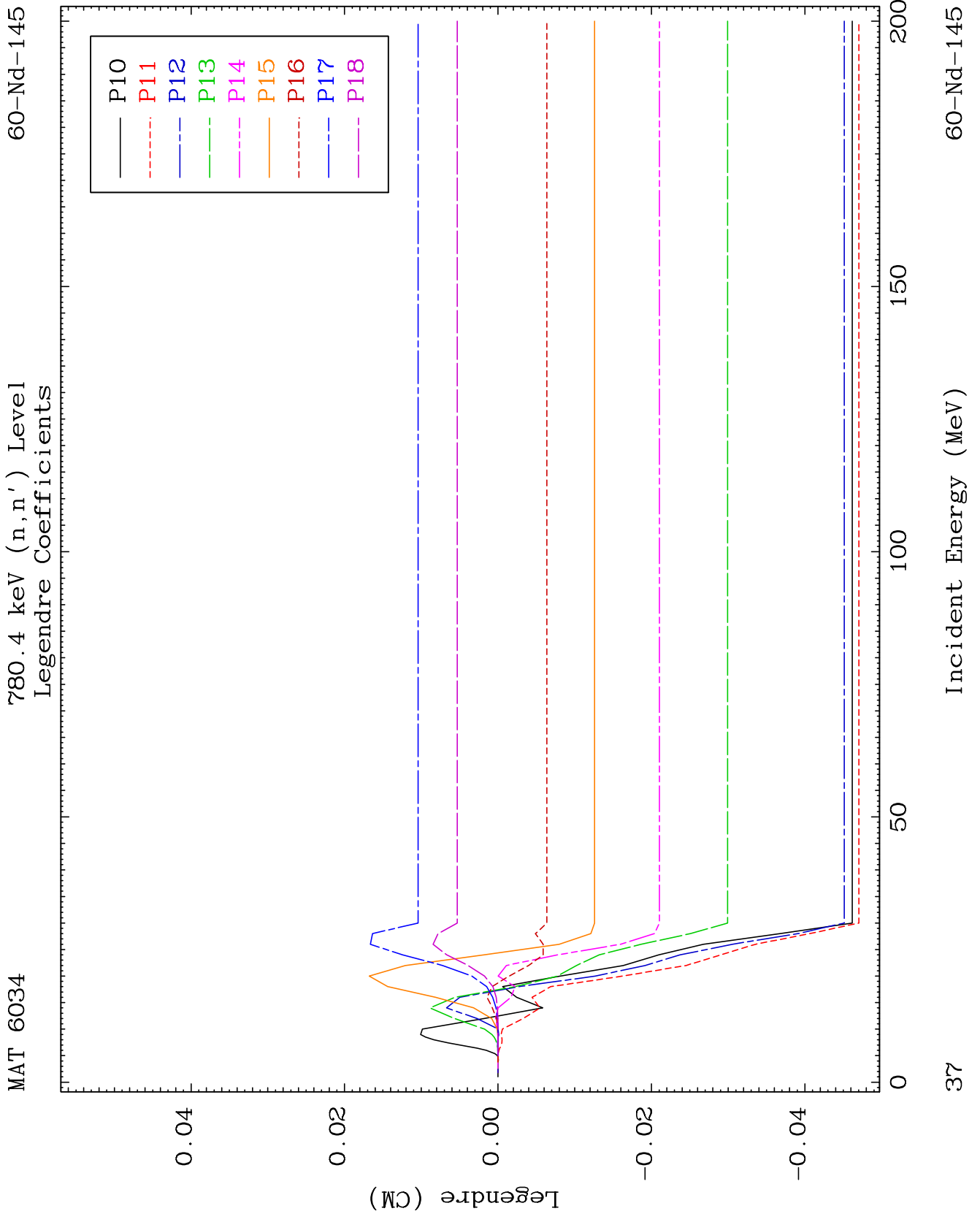
MAT 6034

748.3 keV (n,n') Level
Legendre Coefficients

60-Nd-145



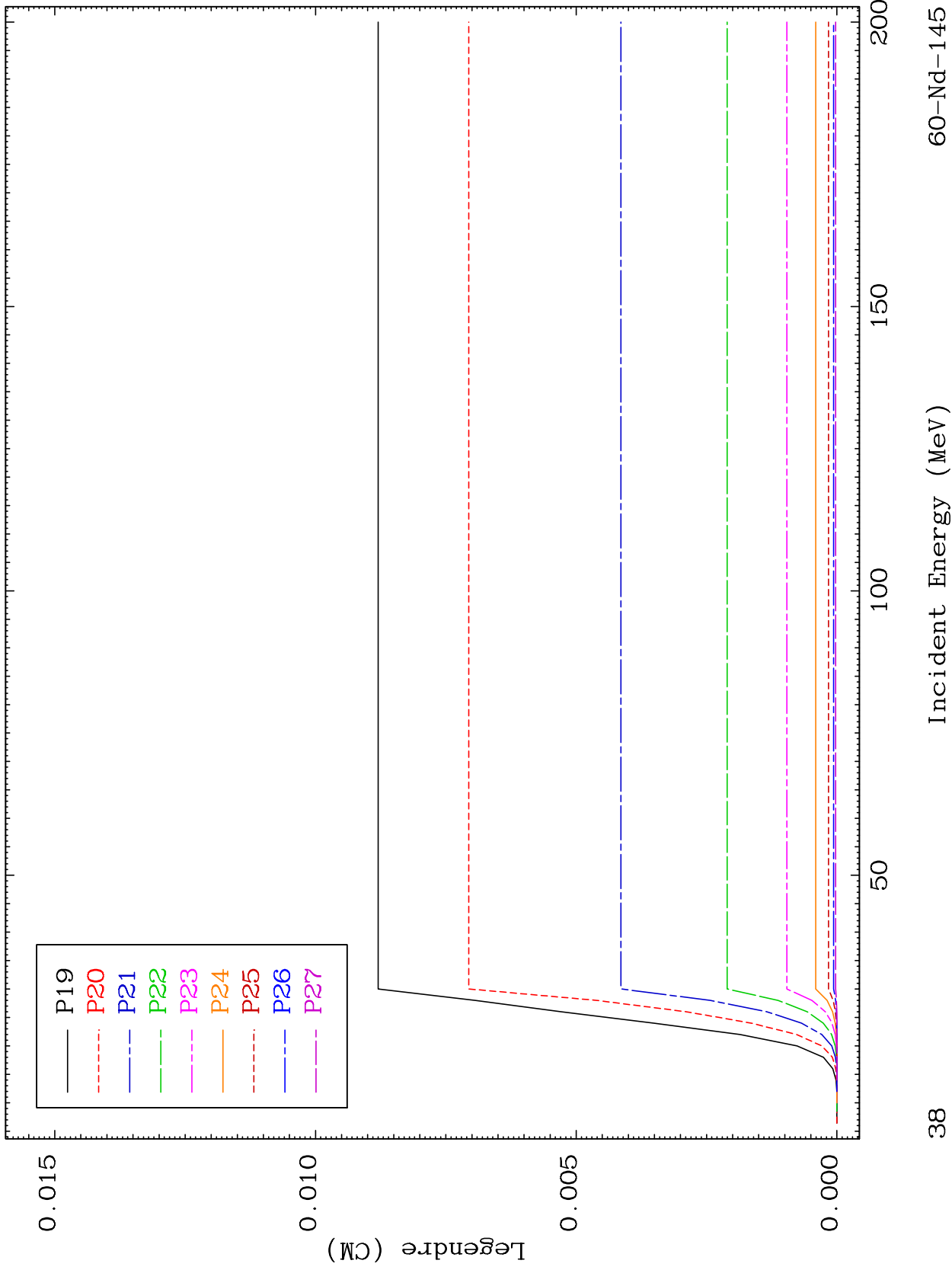




MAT 6034

780.4 keV (n,n') Level
Legendre Coefficients

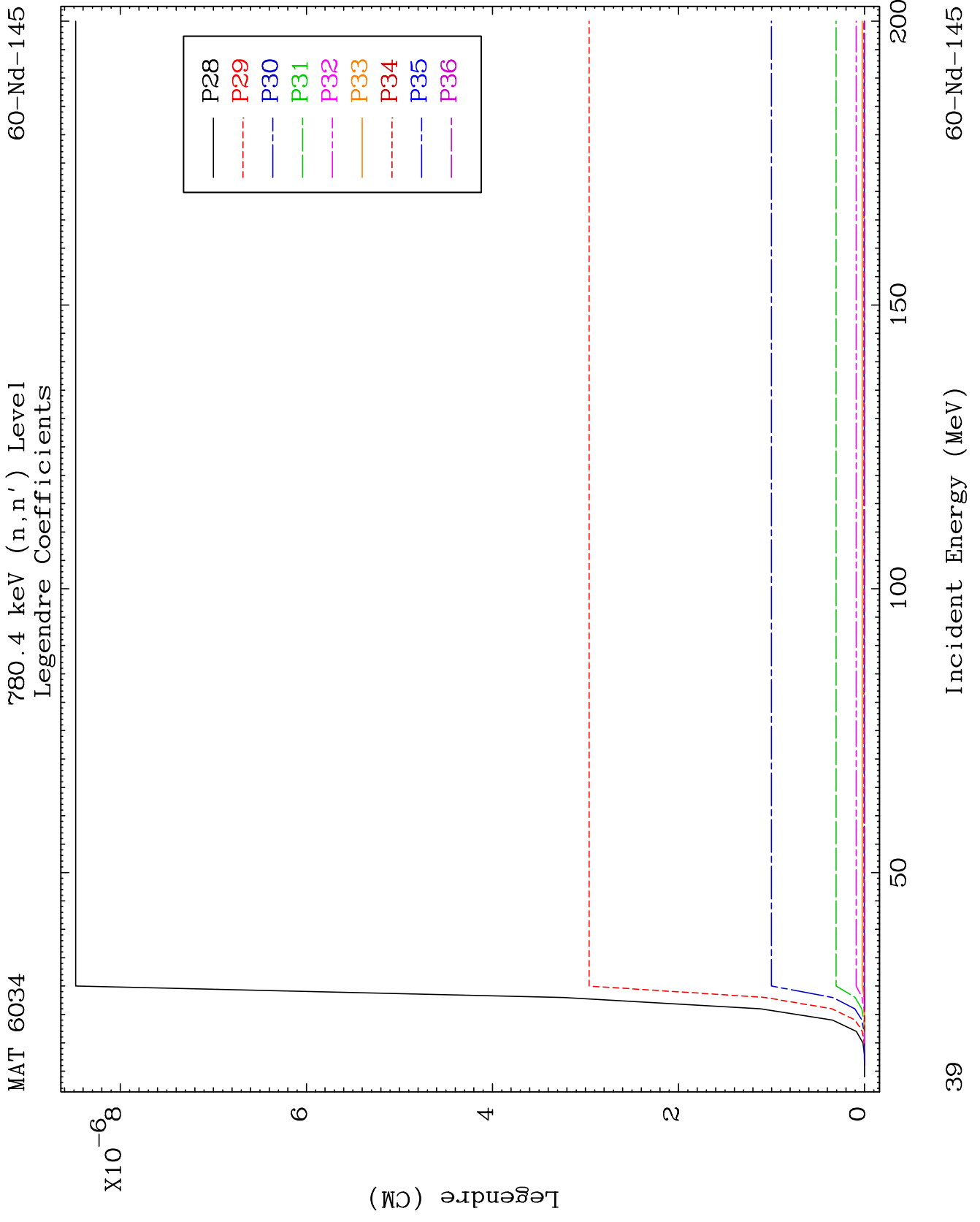
60-Nd-145

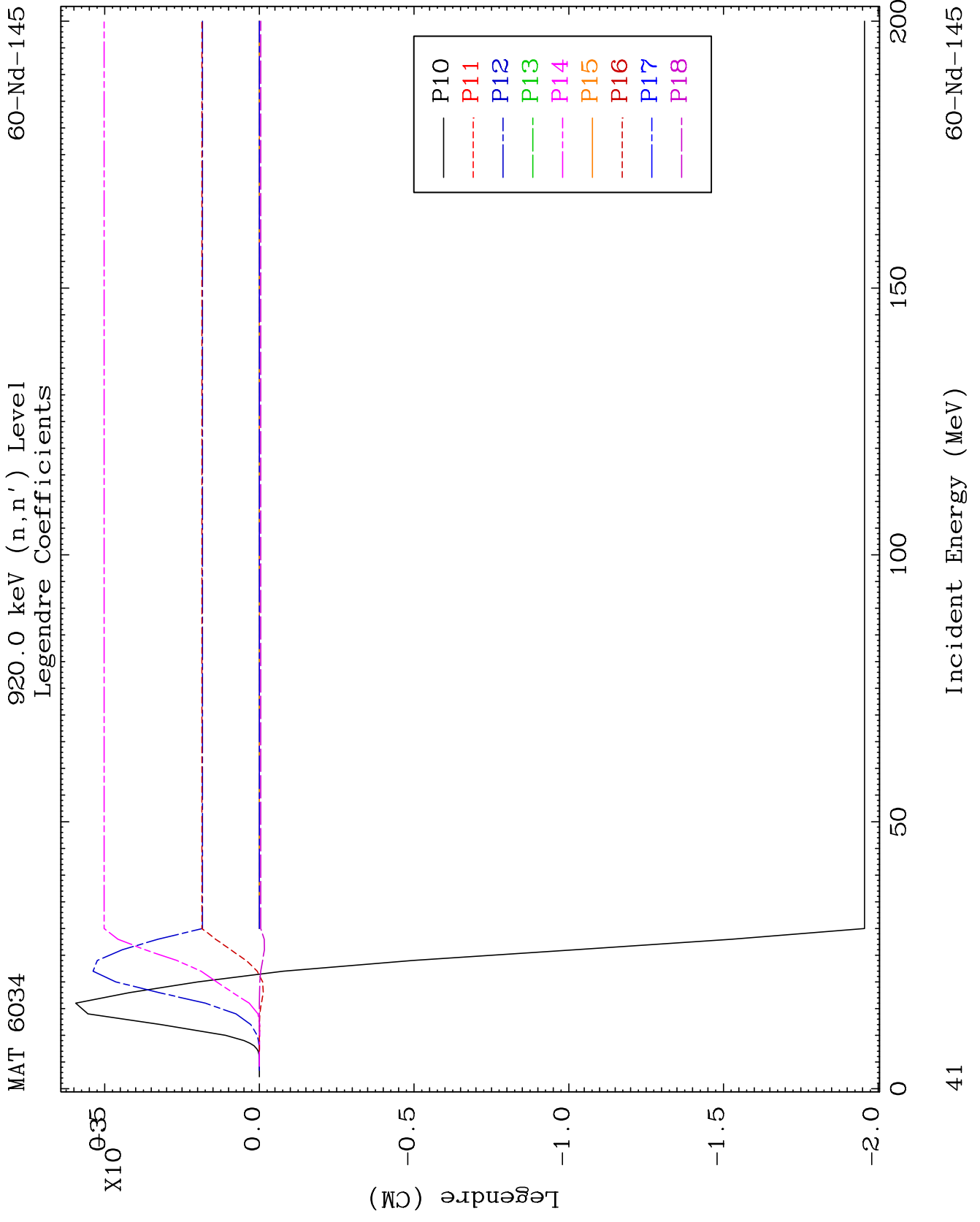


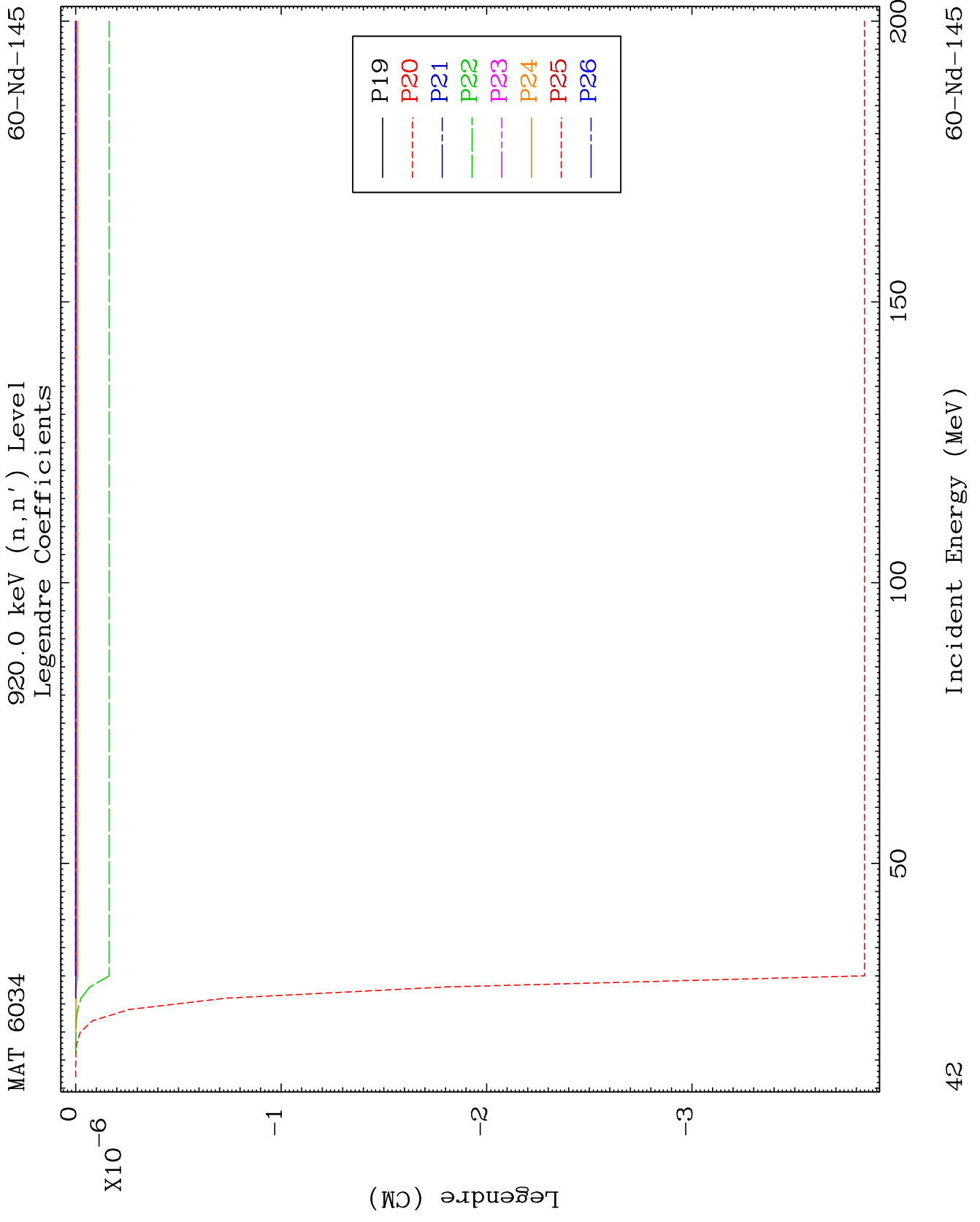
38

Incident Energy (MeV)

60-Nd-145



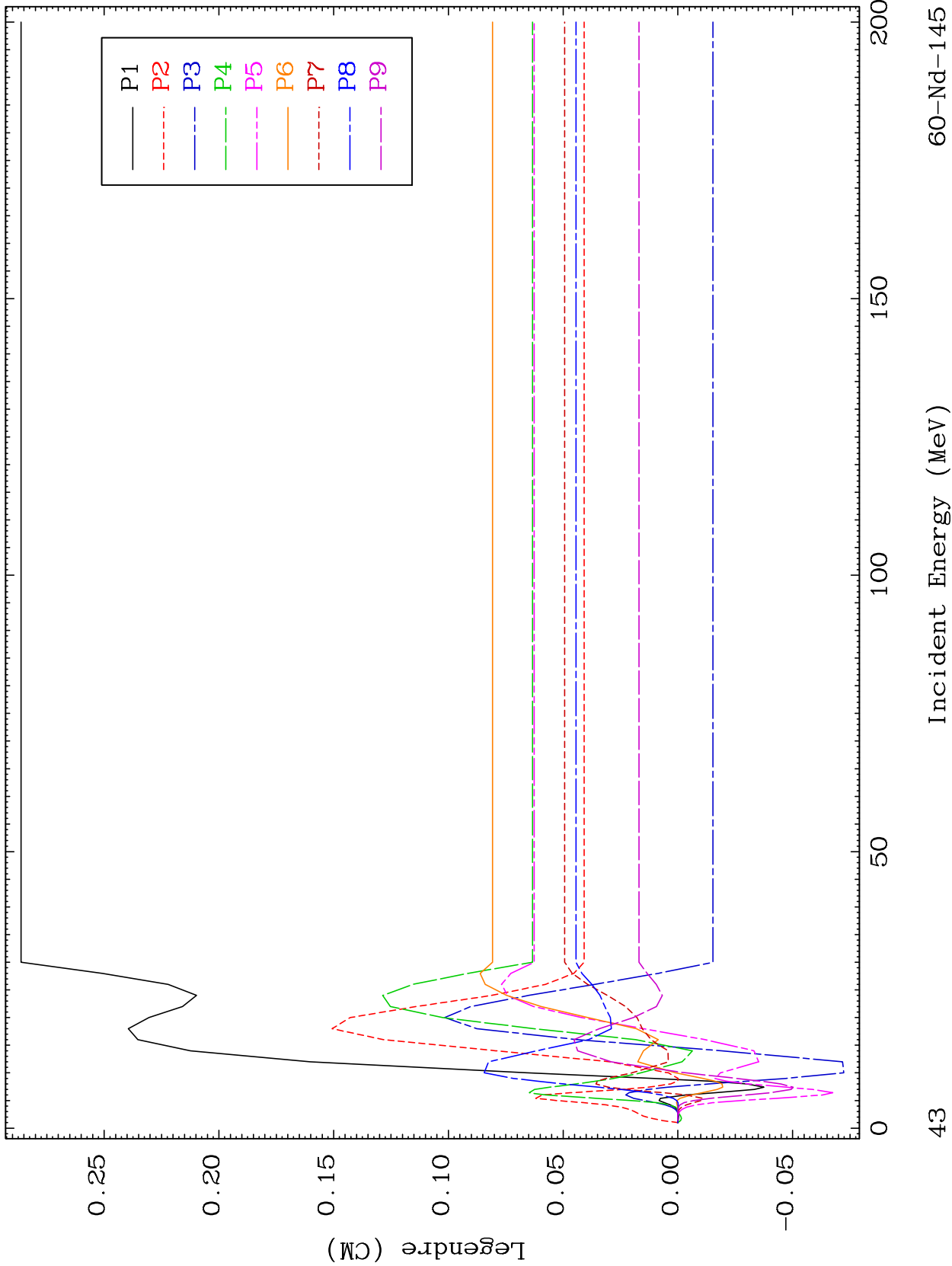




MAT 6034

924.3 keV (n,n') Level
Legendre Coefficients

60-Nd-145



60-Nd-145

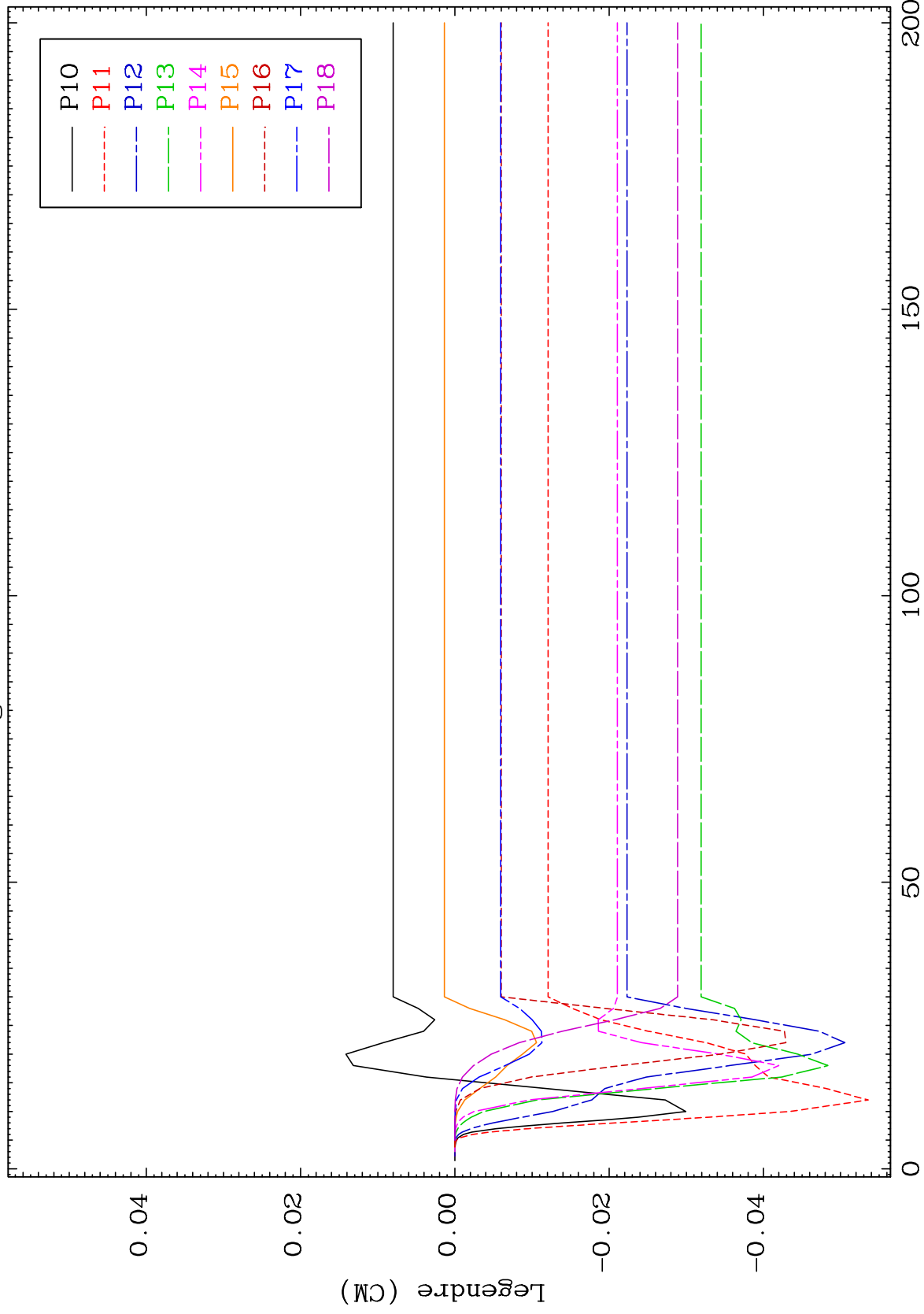
Incident Energy (MeV)

43

MAT 6034

924.3 keV (n,n') Level
Legendre Coefficients

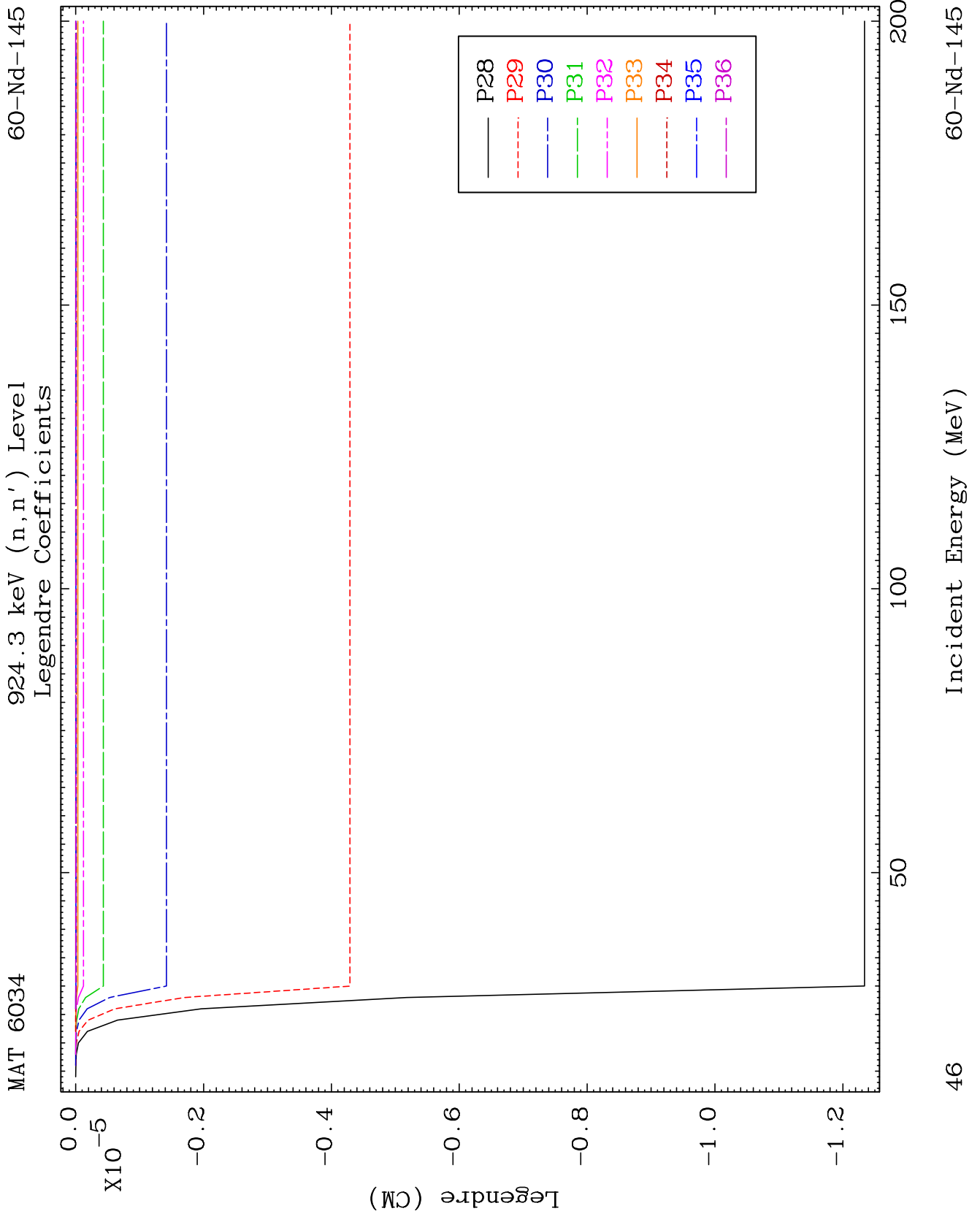
60-Nd-145

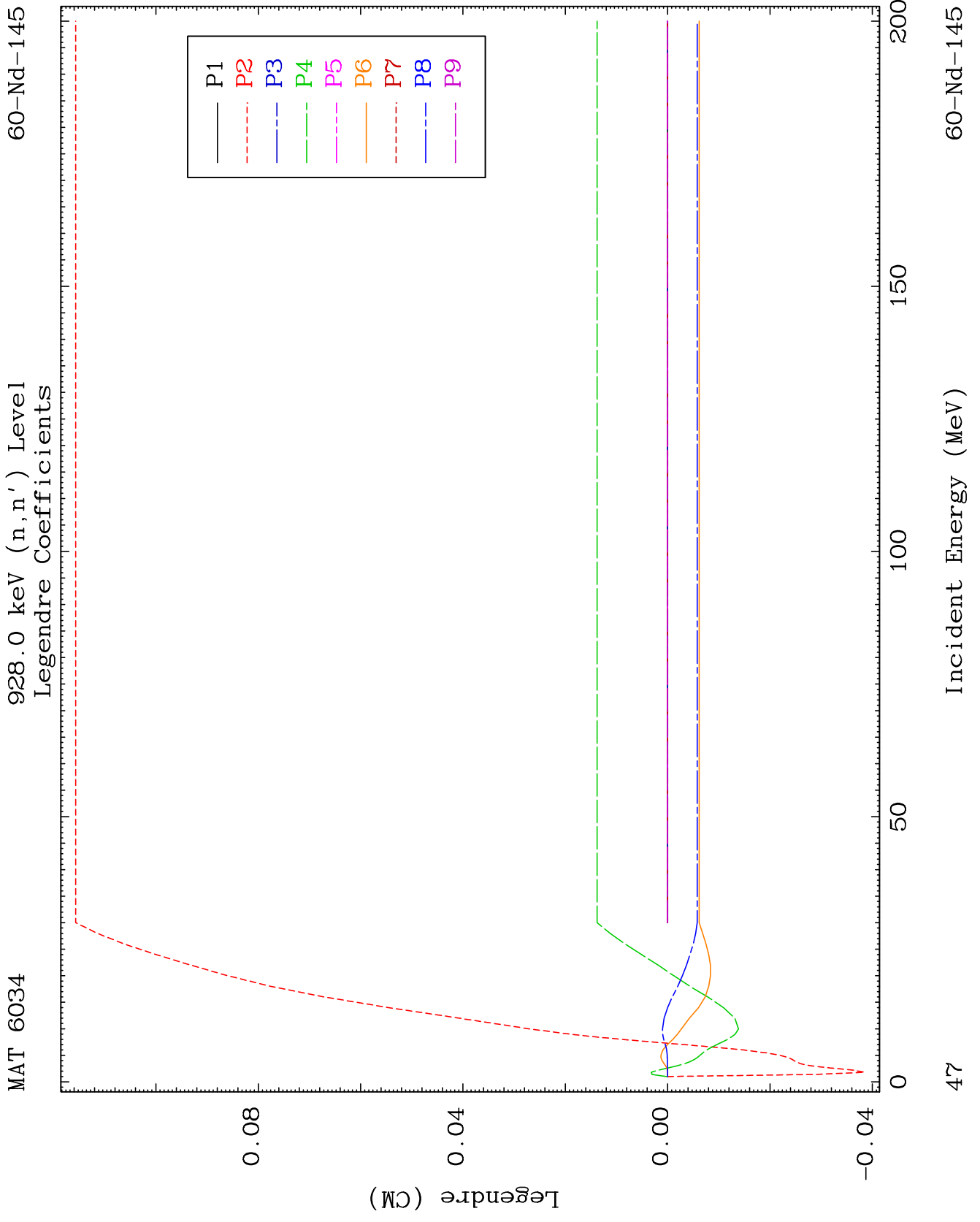


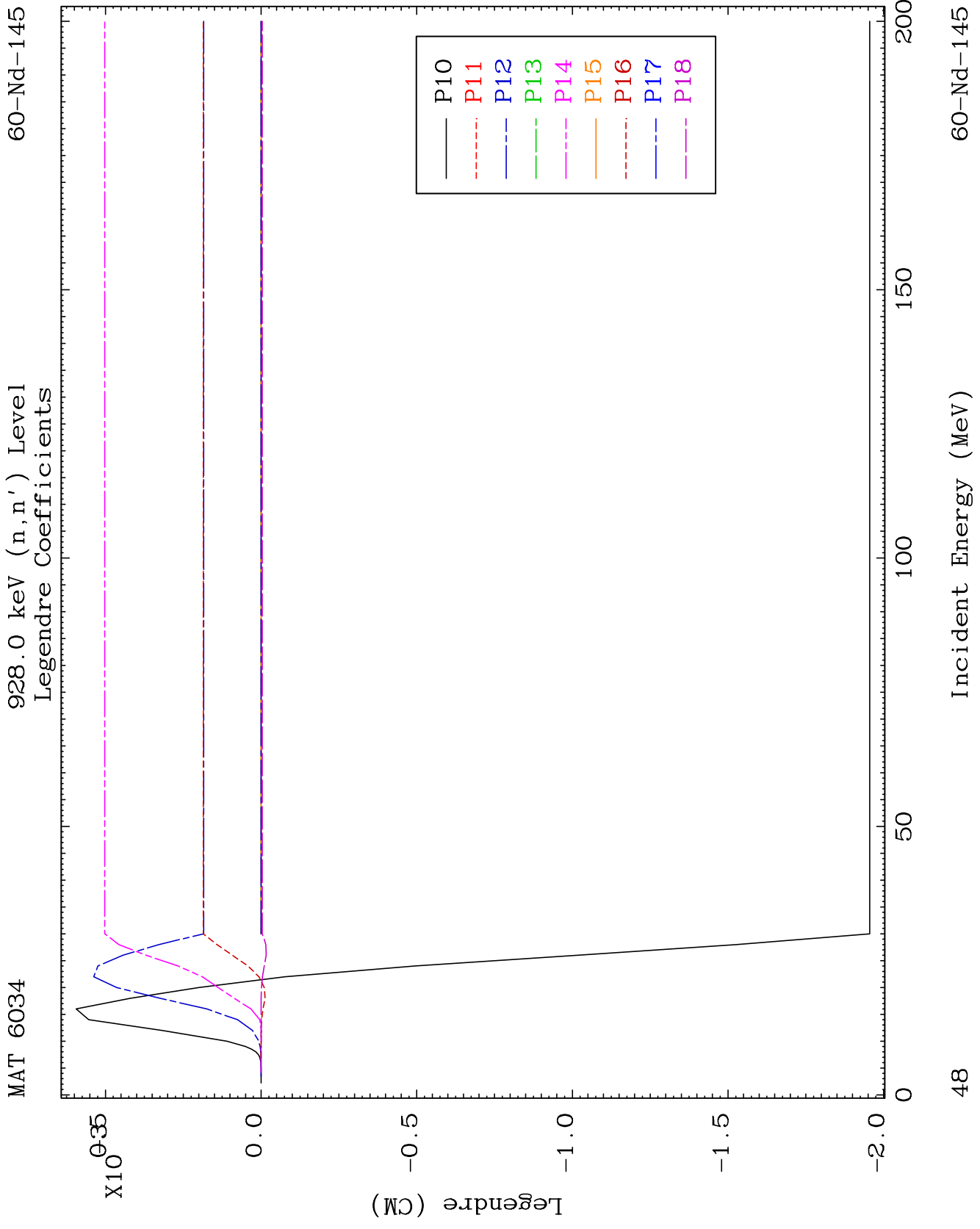
44

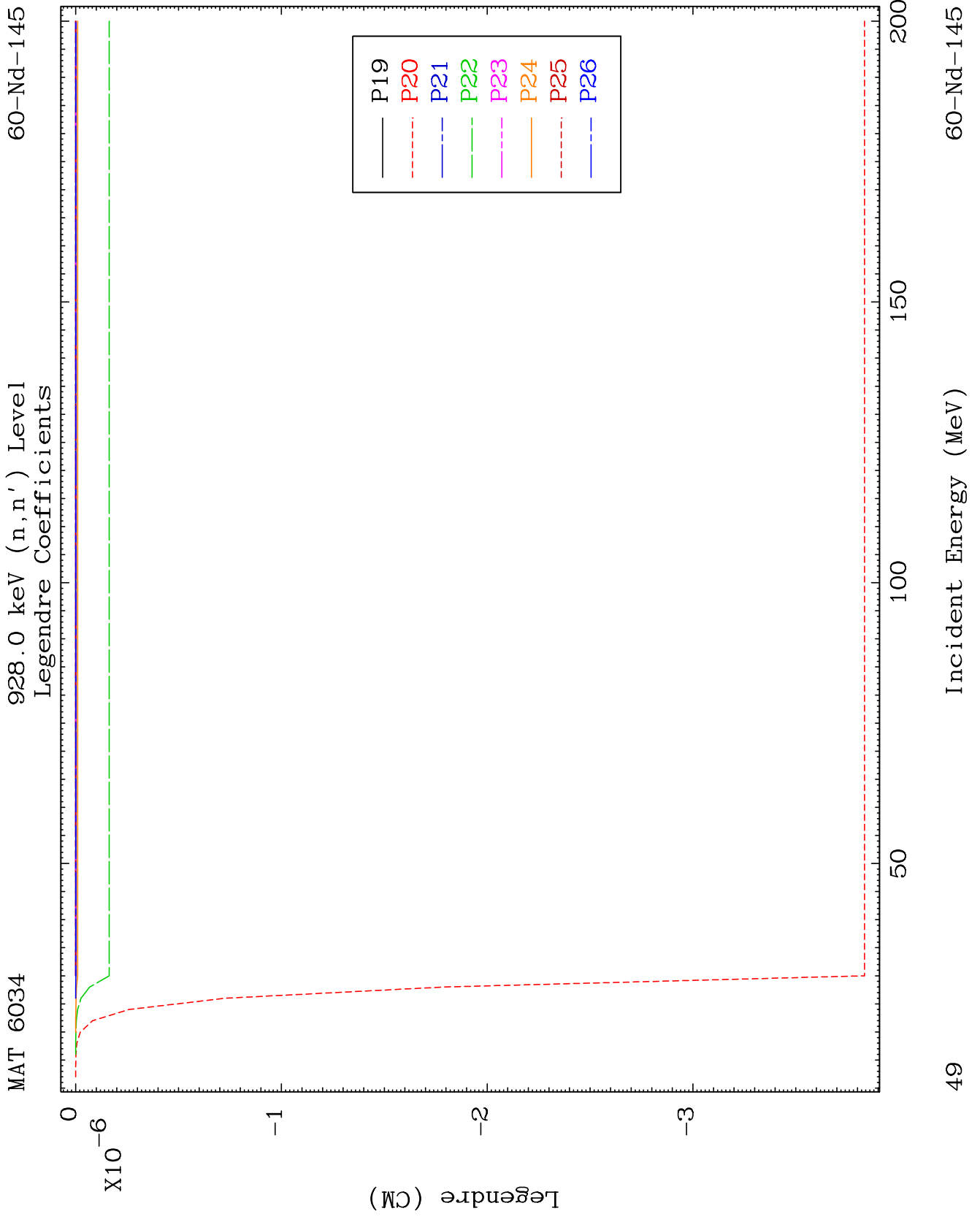
Incident Energy (MeV)

60-Nd-145





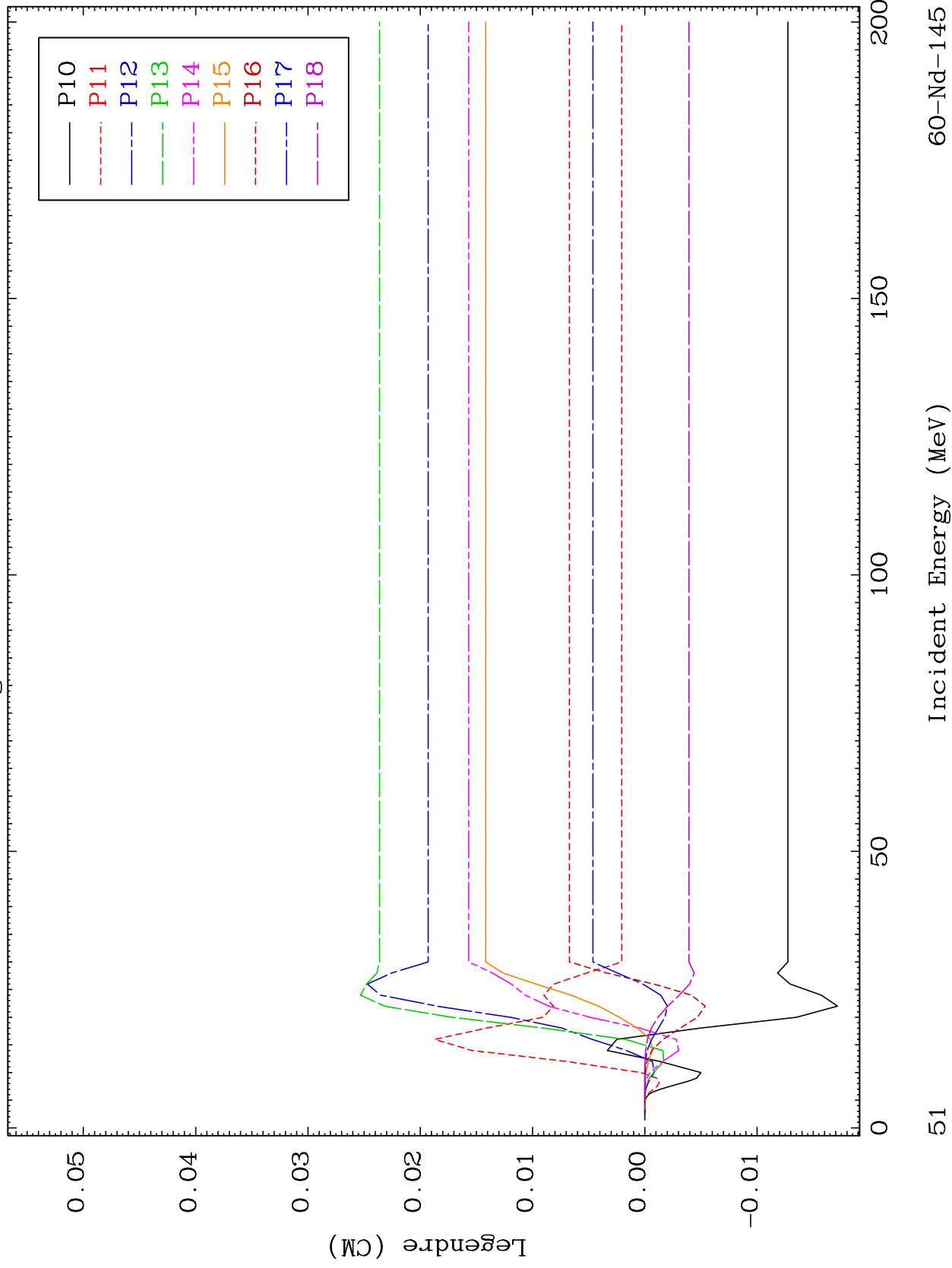




MAT 6034

936.9 keV (n,n') Level
Legendre Coefficients

60-Nd-145



51

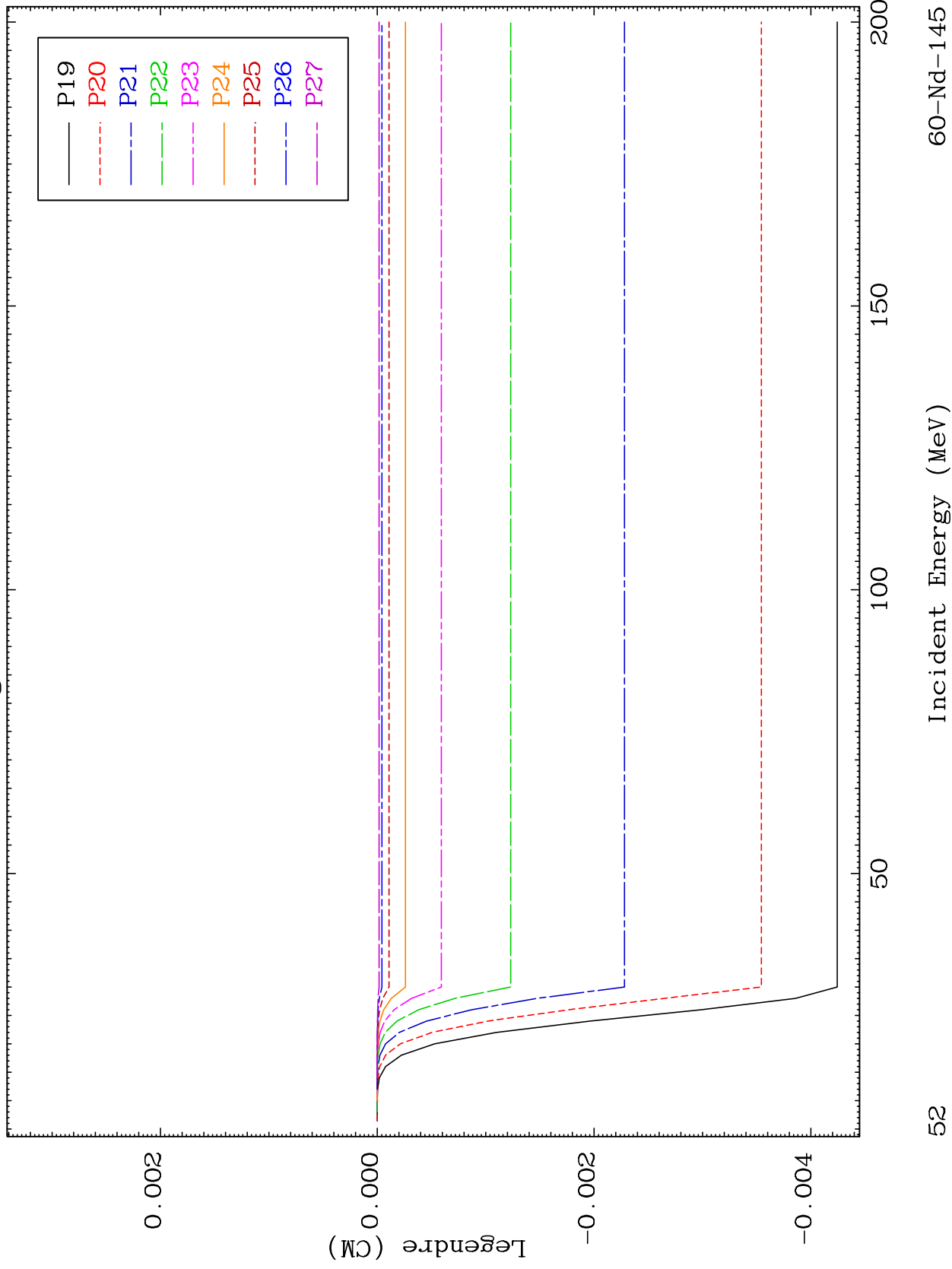
Incident Energy (MeV)

60-Nd-145

MAT 6034

936.9 keV (n,n') Level
Legendre Coefficients

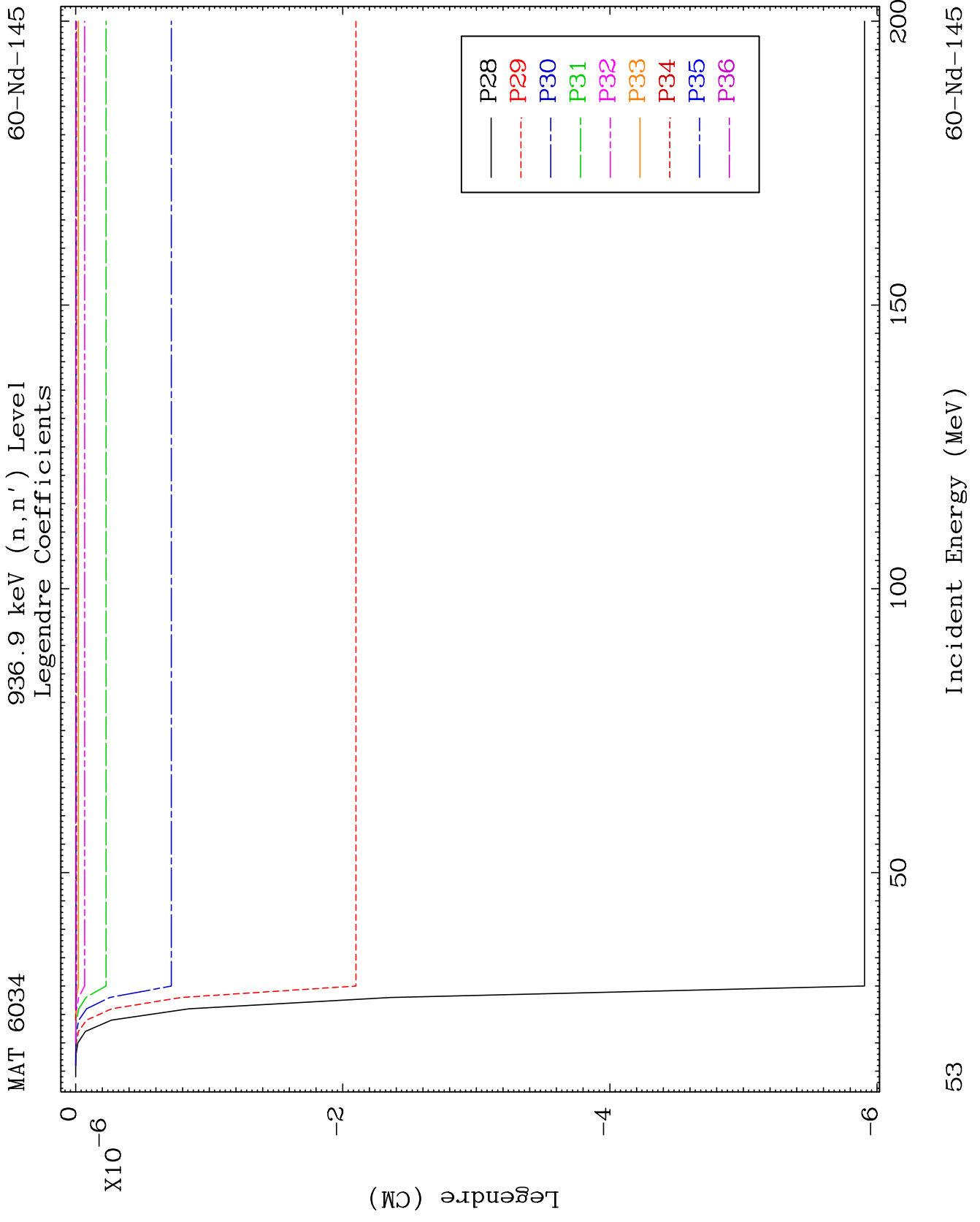
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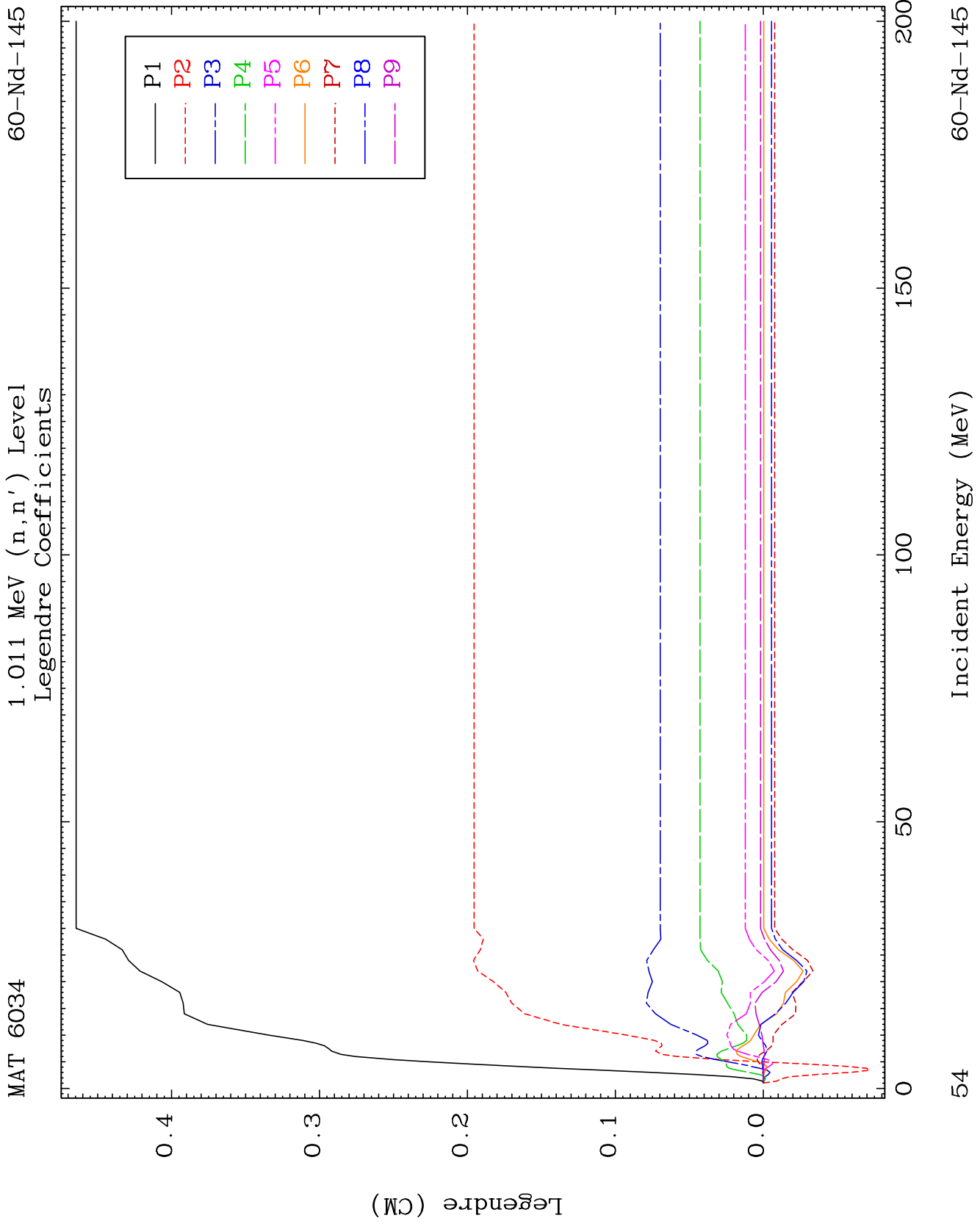


52

Incident Energy (MeV)

60-Nd-145

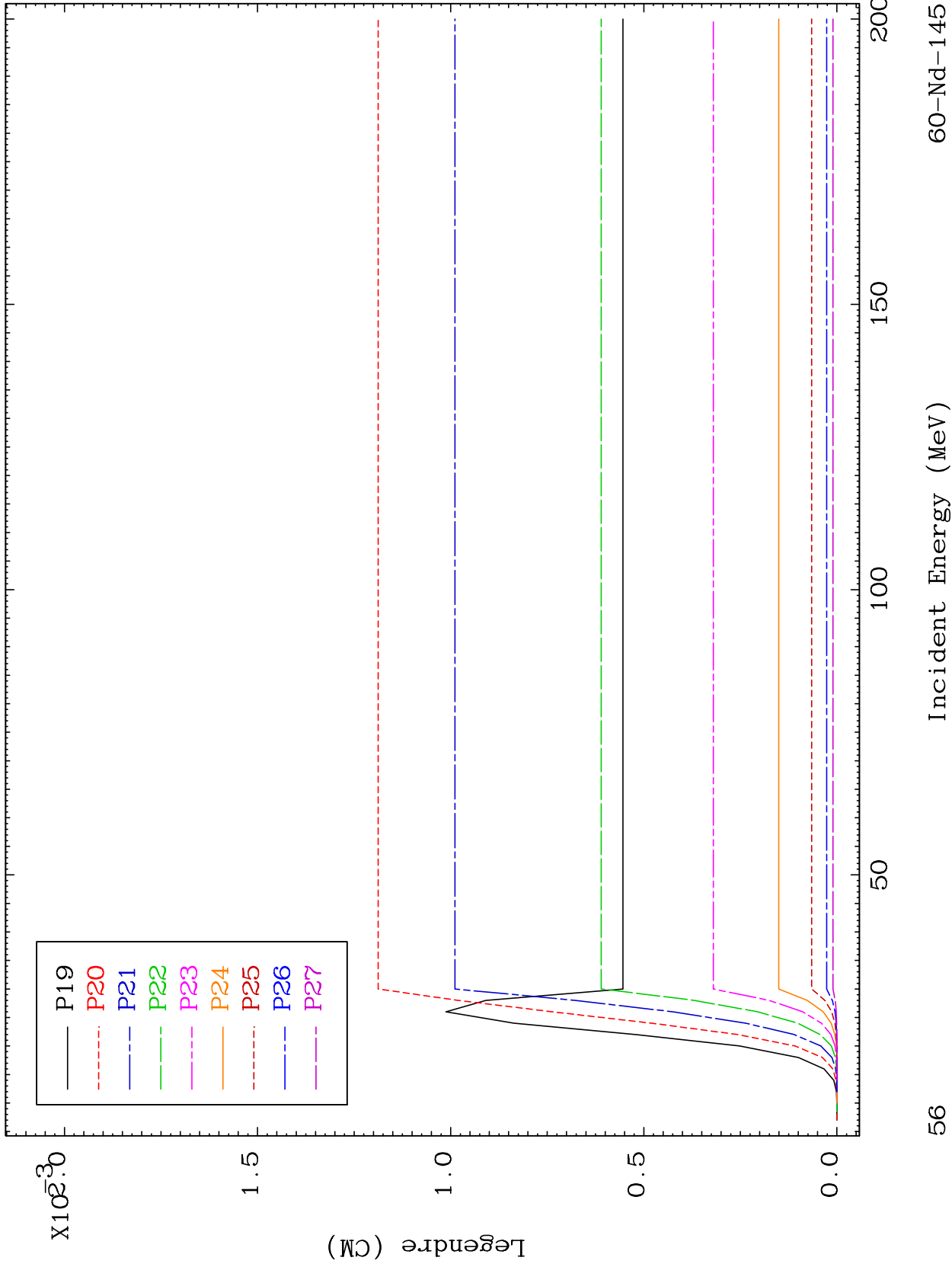




MAT 6034

1.011 MeV (n,n') Level
Legendre Coefficients

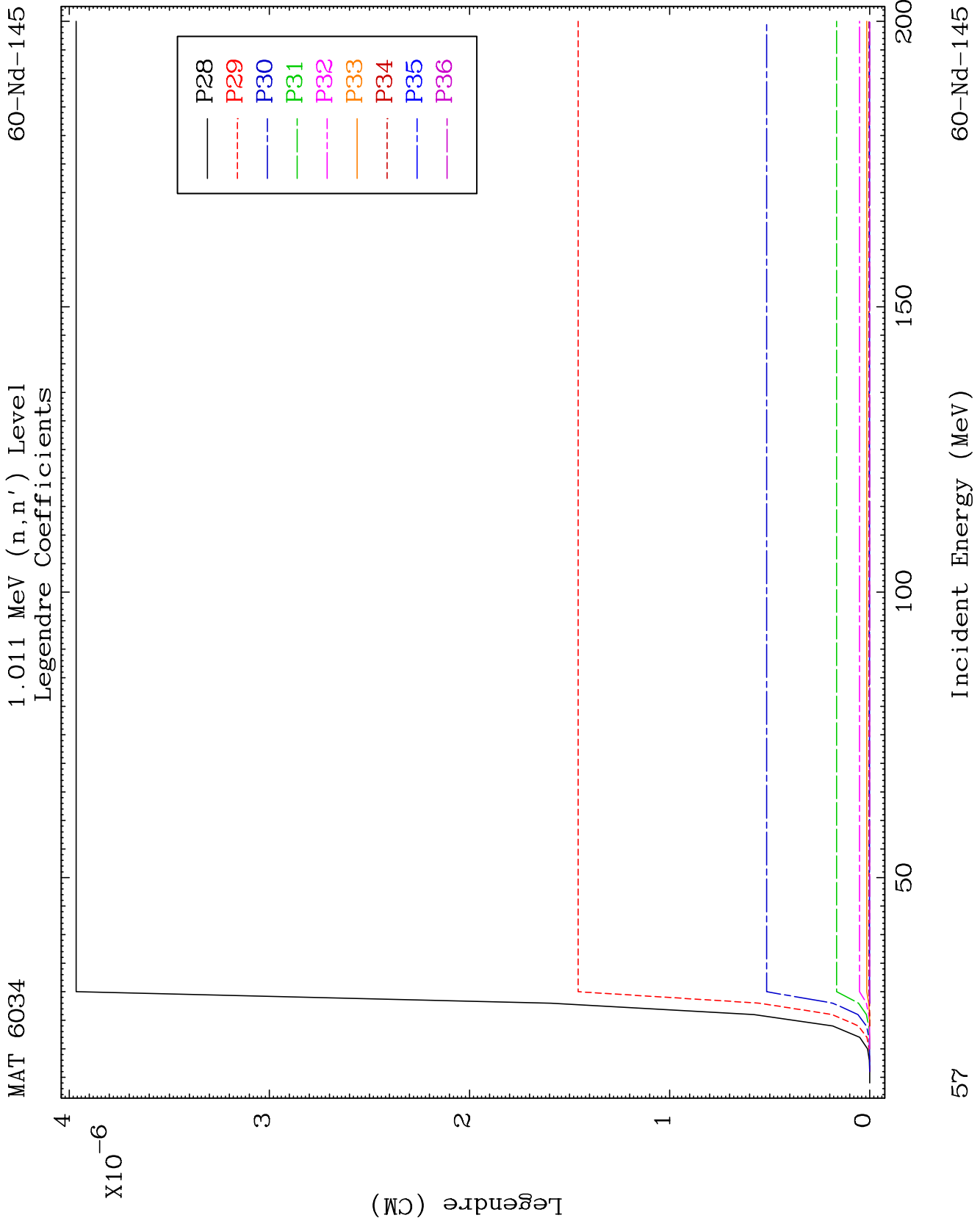
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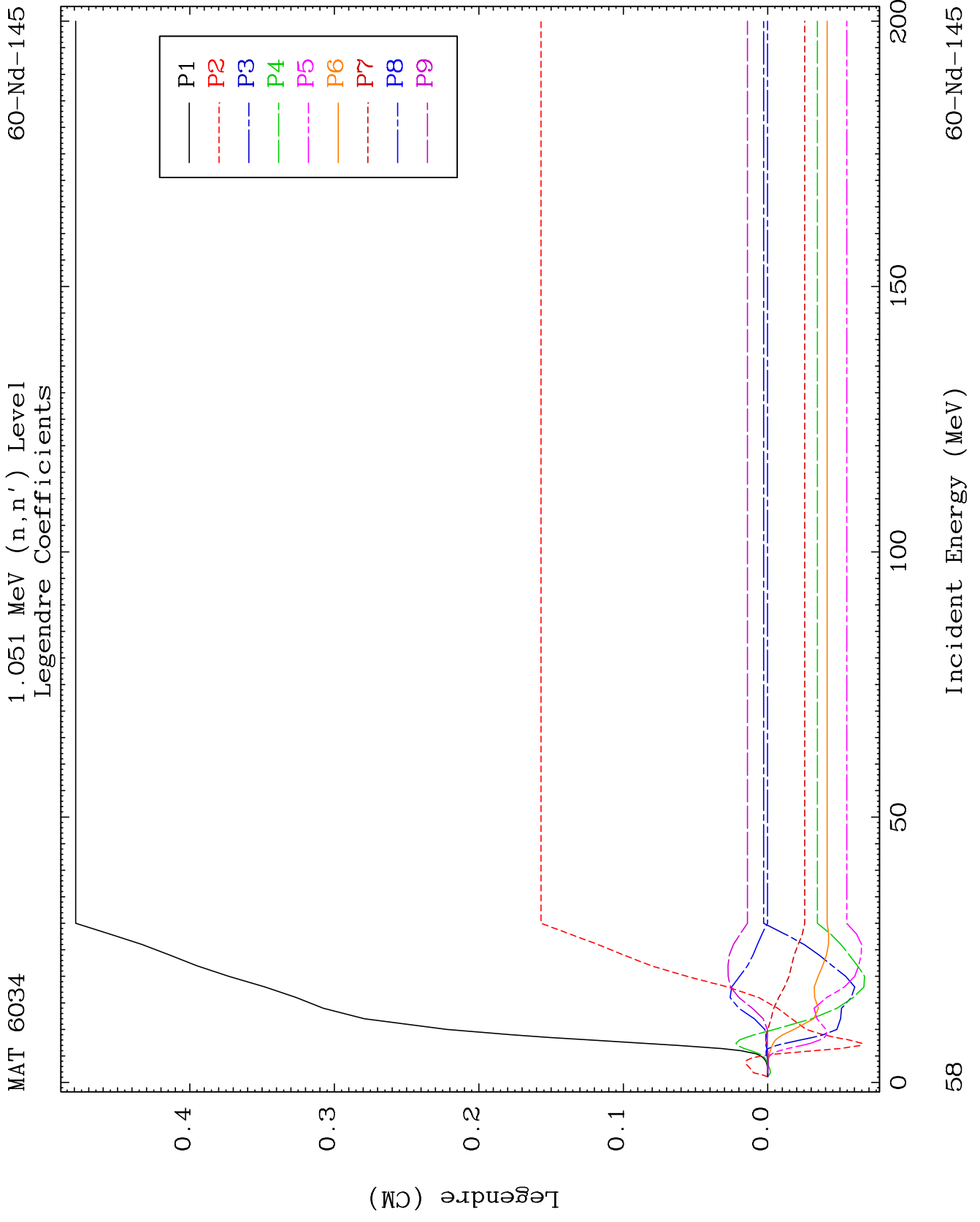


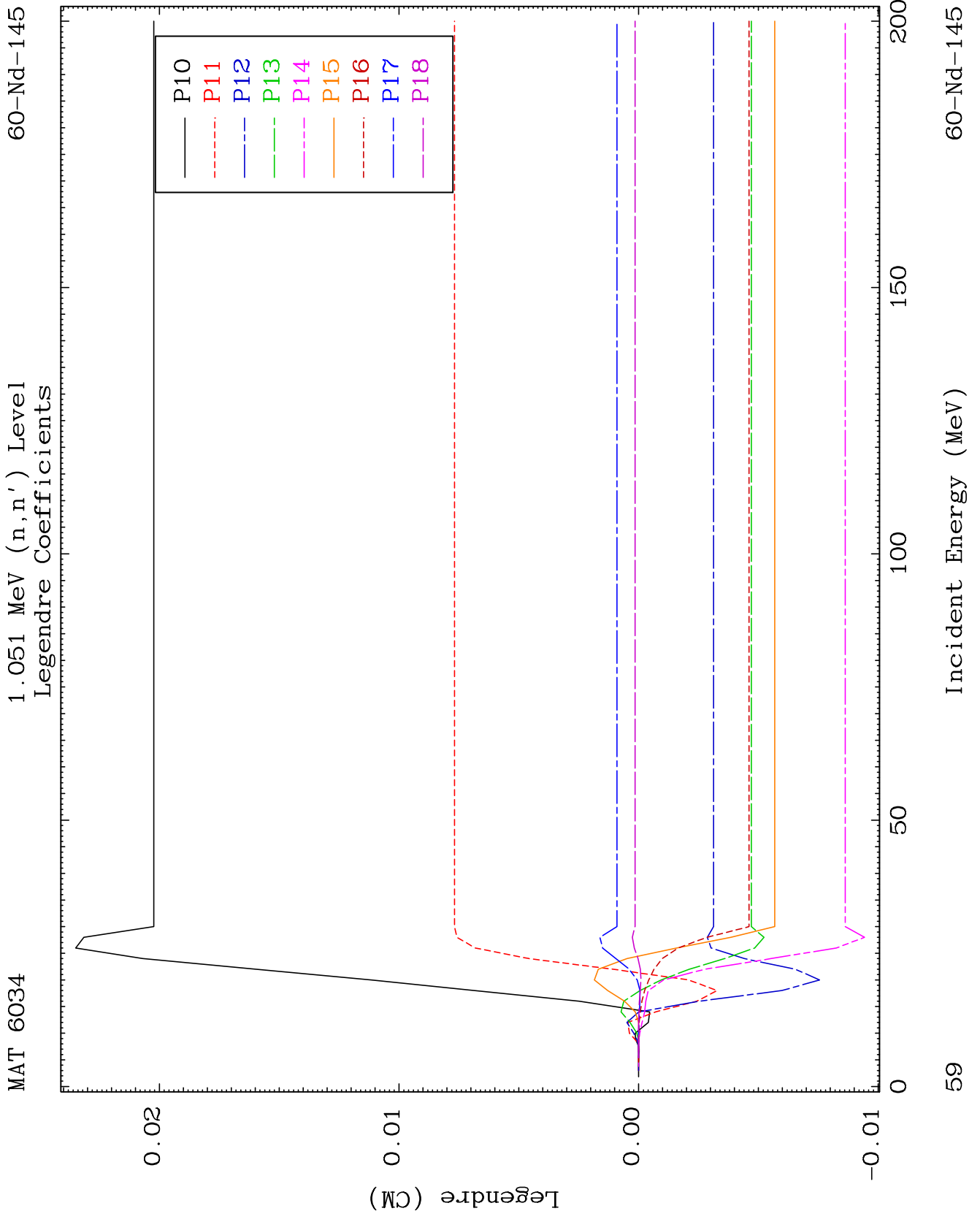
56

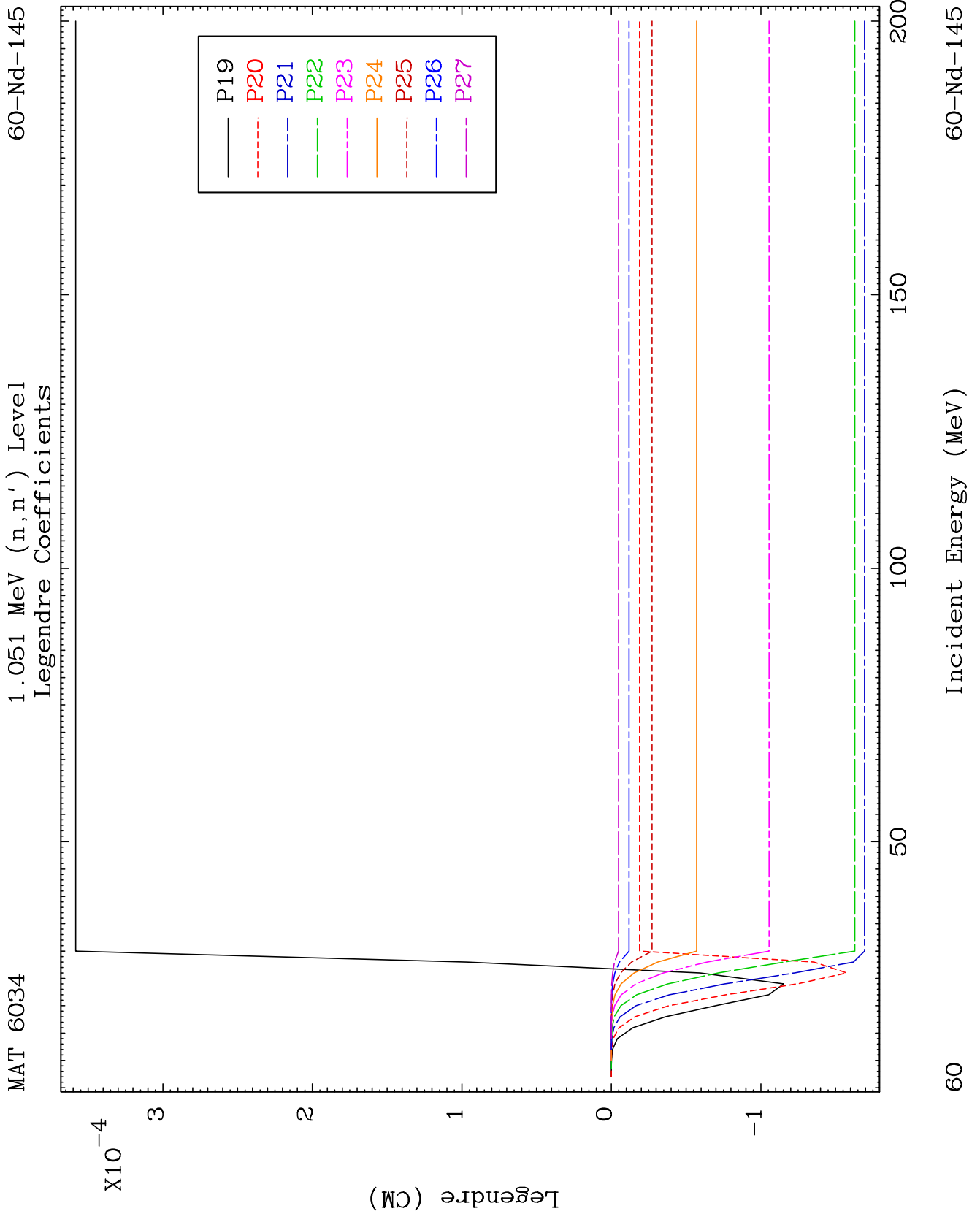
Incident Energy (MeV)

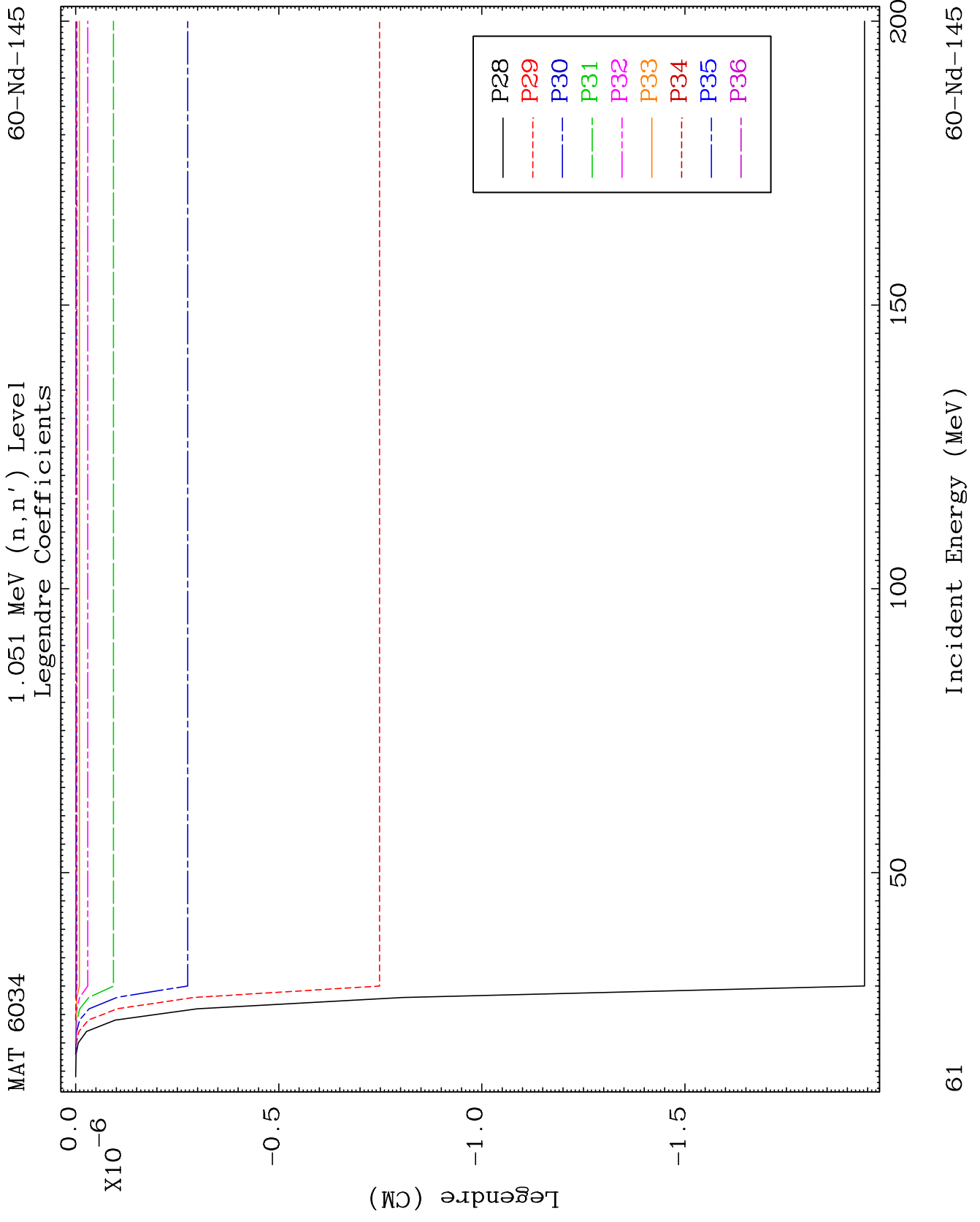
60-Nd-145

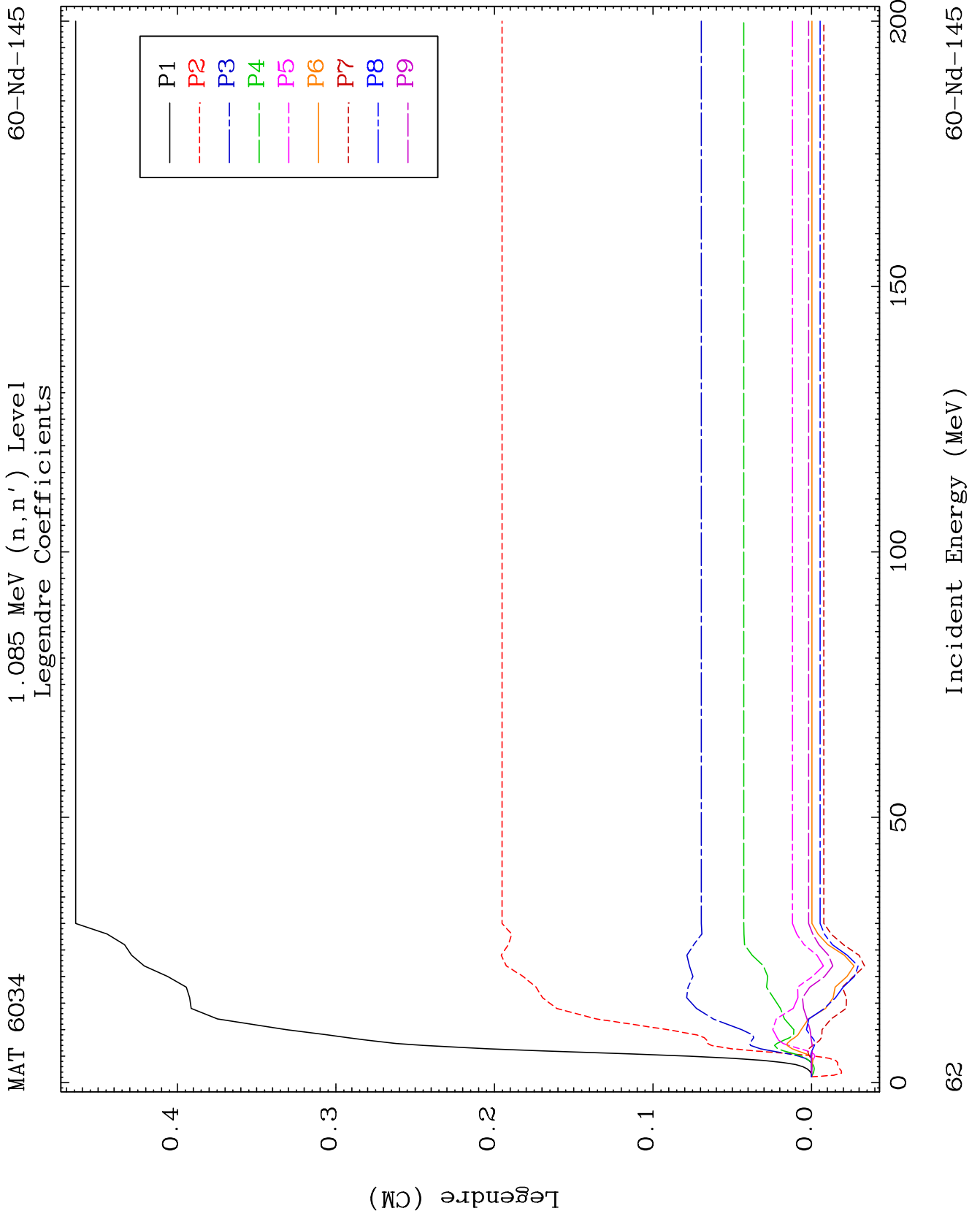








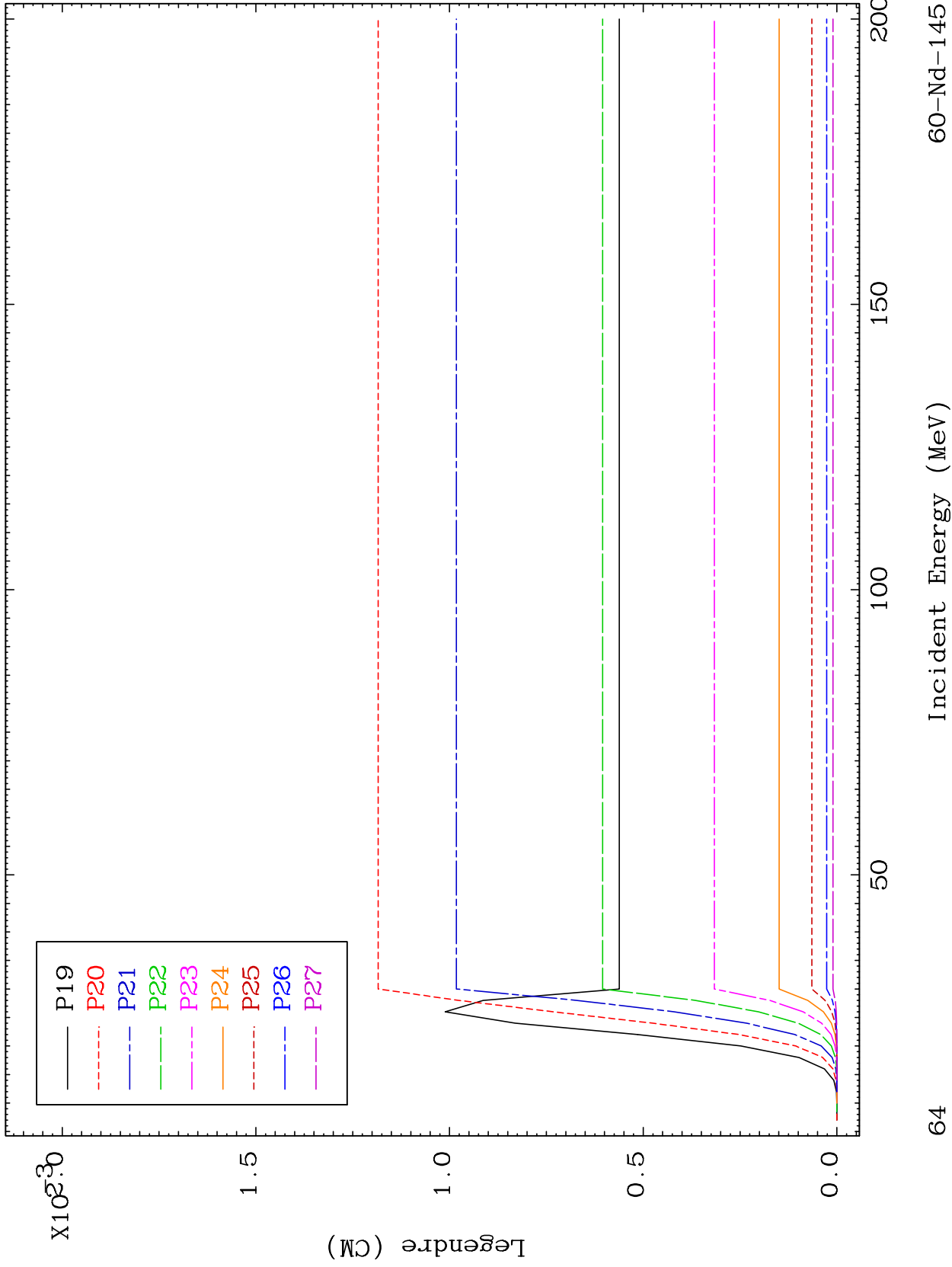




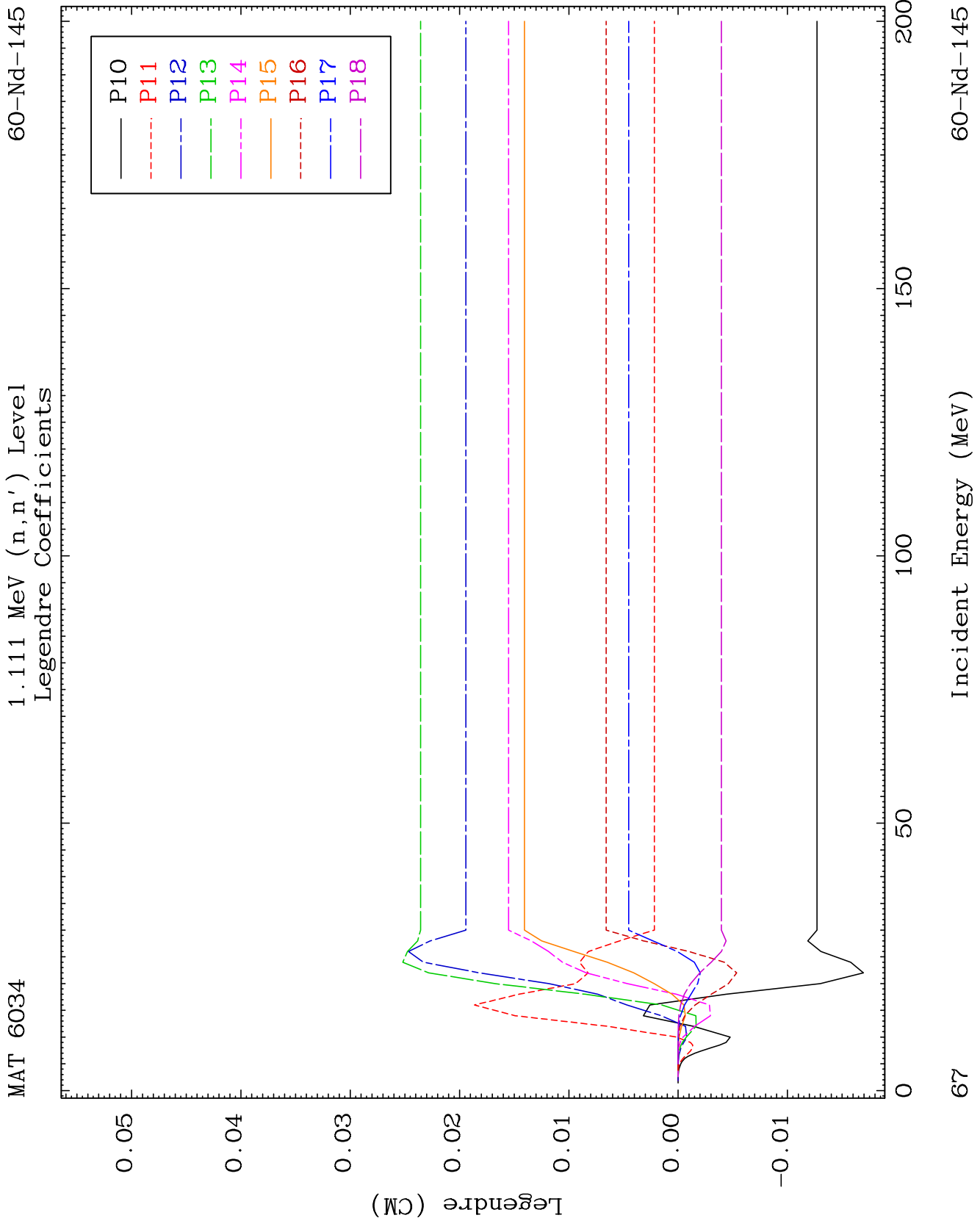
MAT 6034

1.085 MeV (n,n') Level
Legendre Coefficients

60-Nd-145



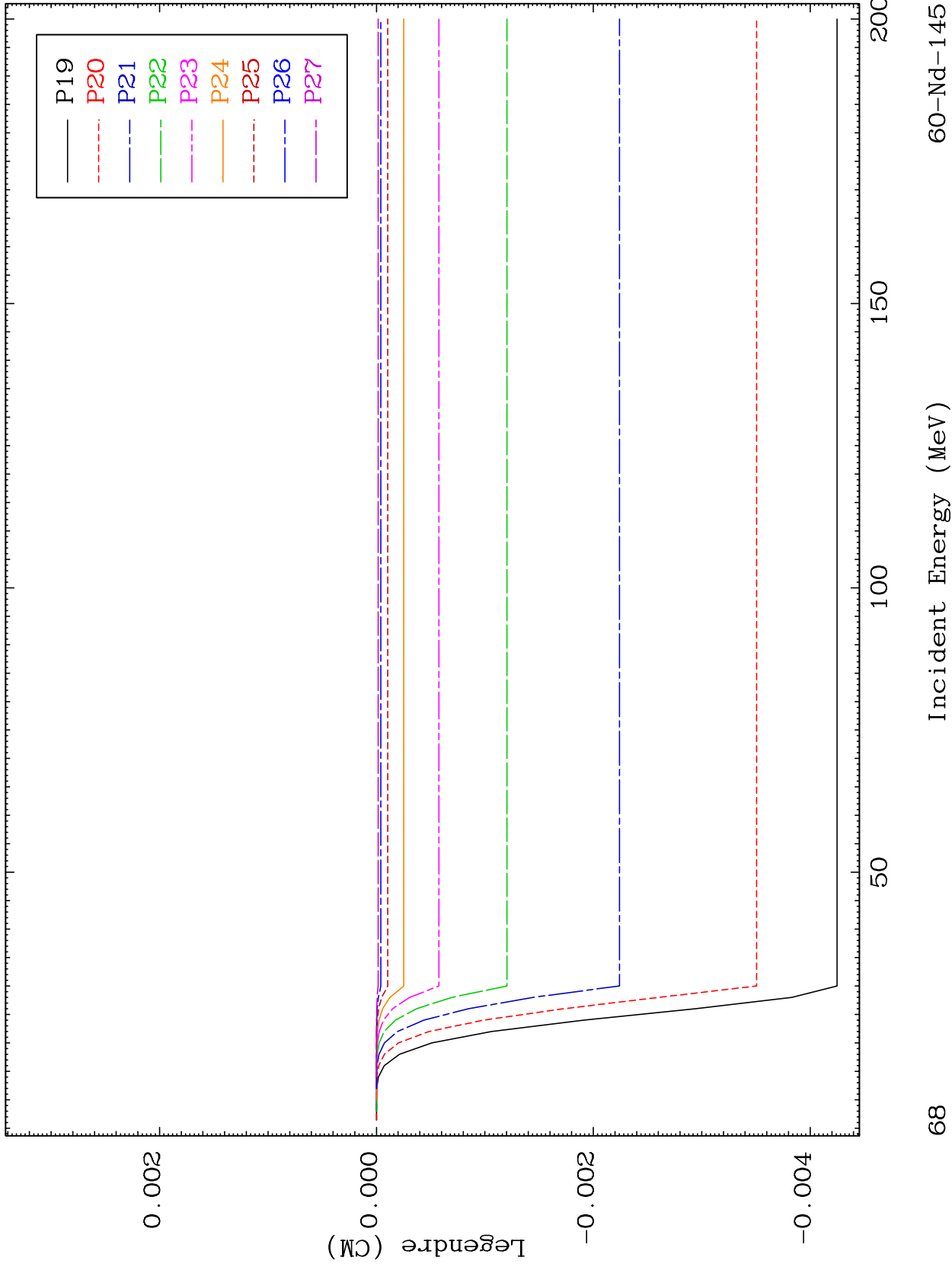
64



MAT 6034

1.111 MeV (n,n') Level
Legendre Coefficients

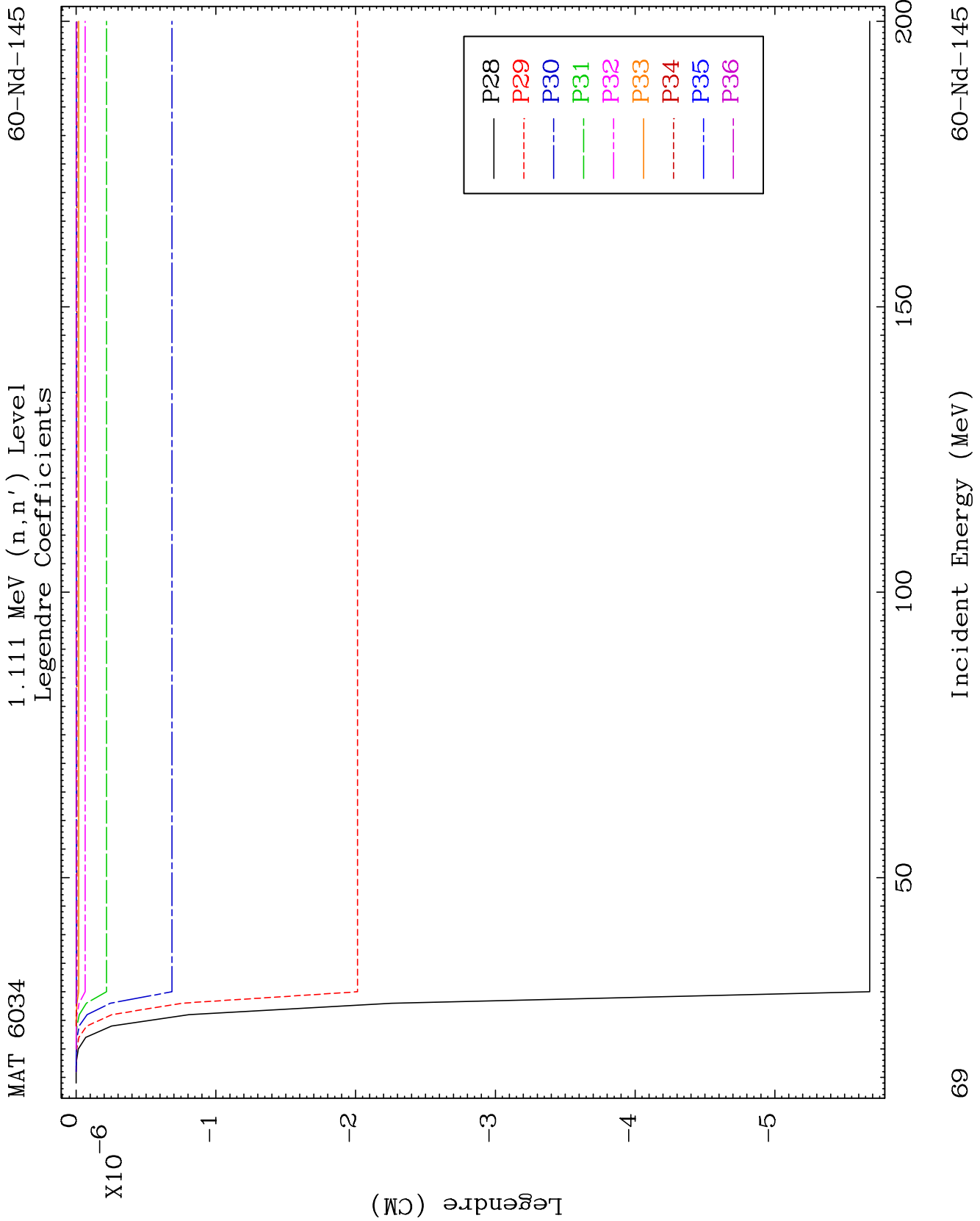
60-Nd-145



68

Incident Energy (MeV)

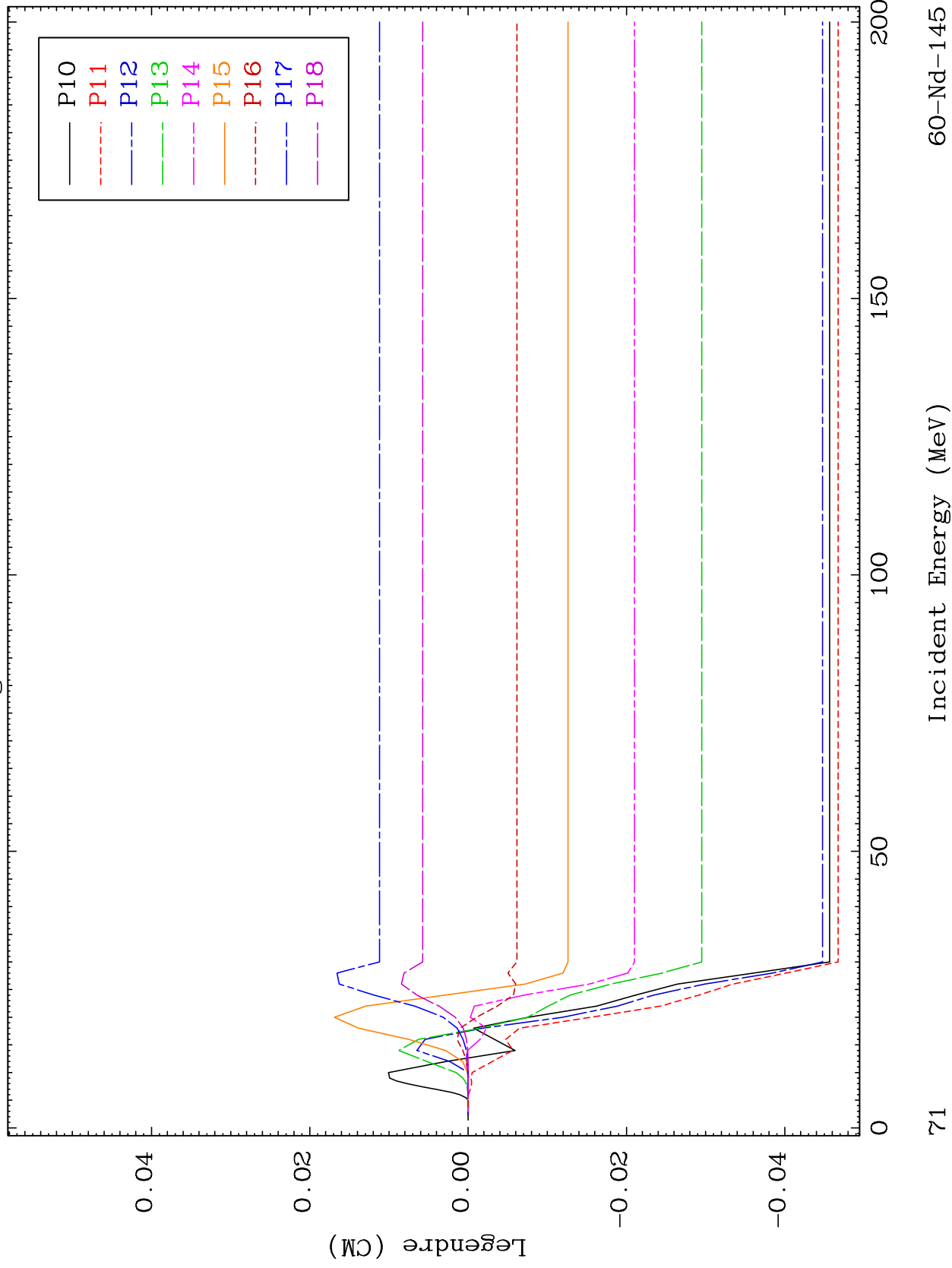
60-Nd-145



MAT 6034

1.150 MeV (n,n') Level
Legendre Coefficients

60-Nd-145



71

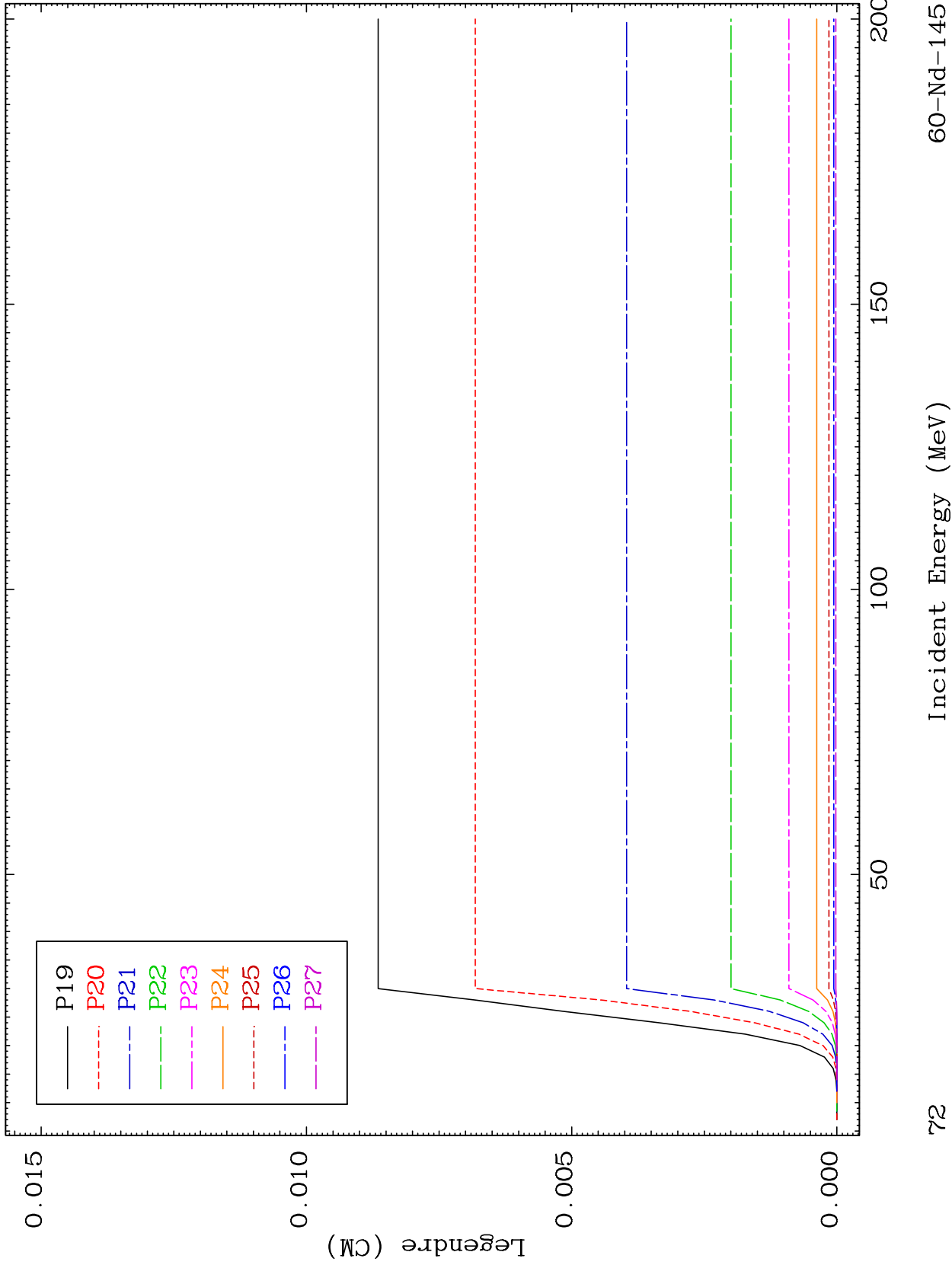
Incident Energy (MeV)

60-Nd-145

MAT 6034

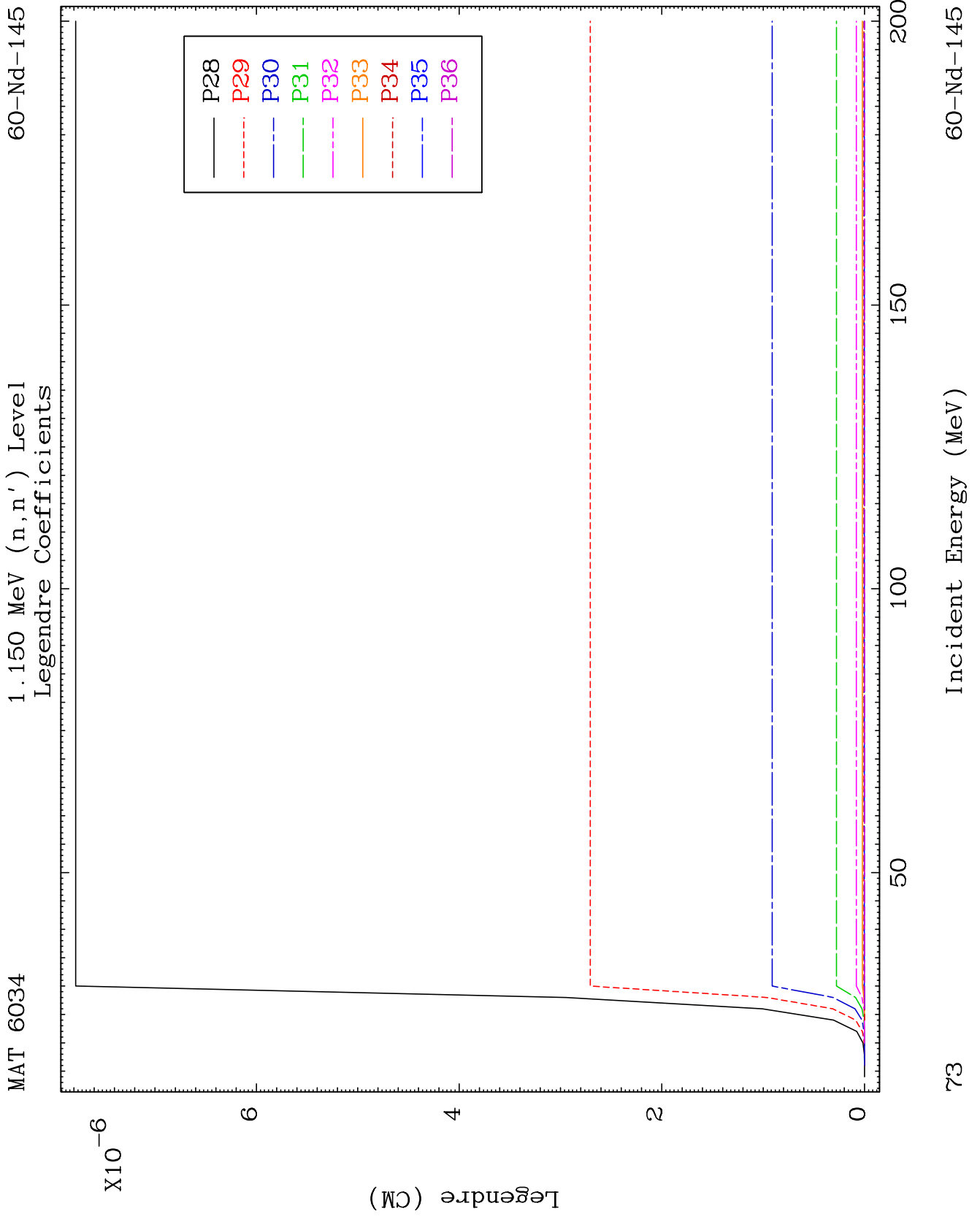
1.150 MeV (n,n') Level
Legendre Coefficients

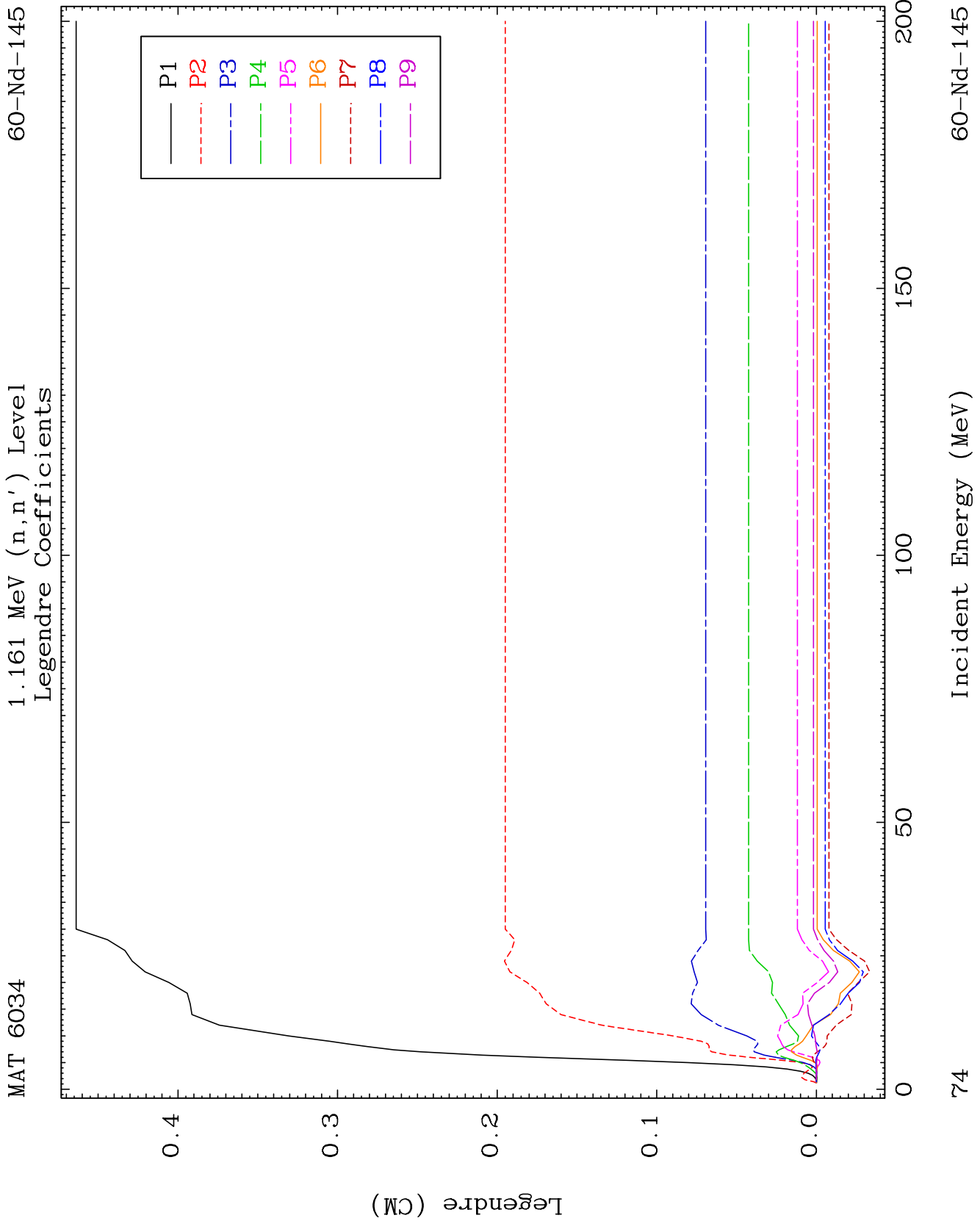
60-Nd-145

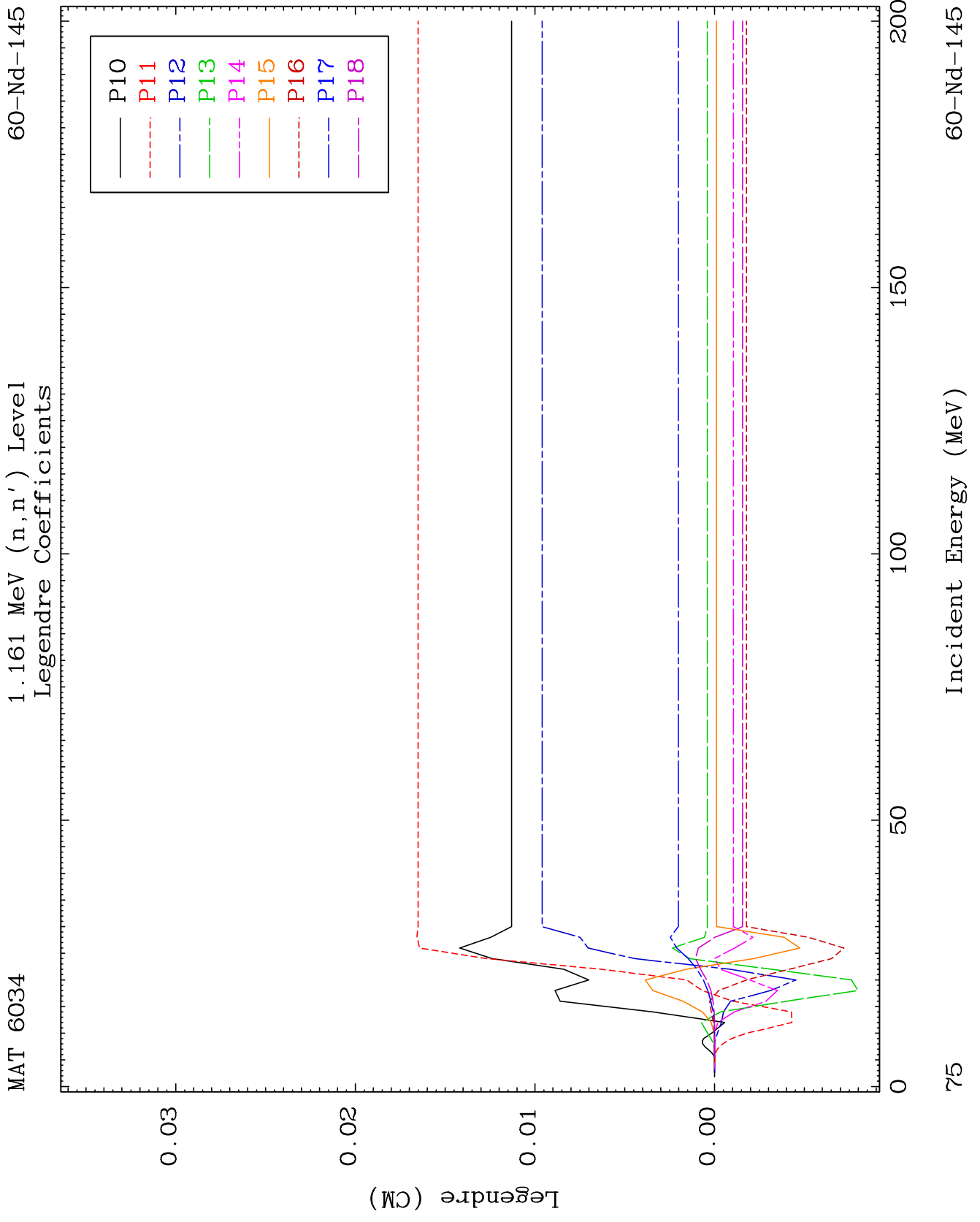


72

60-Nd-145



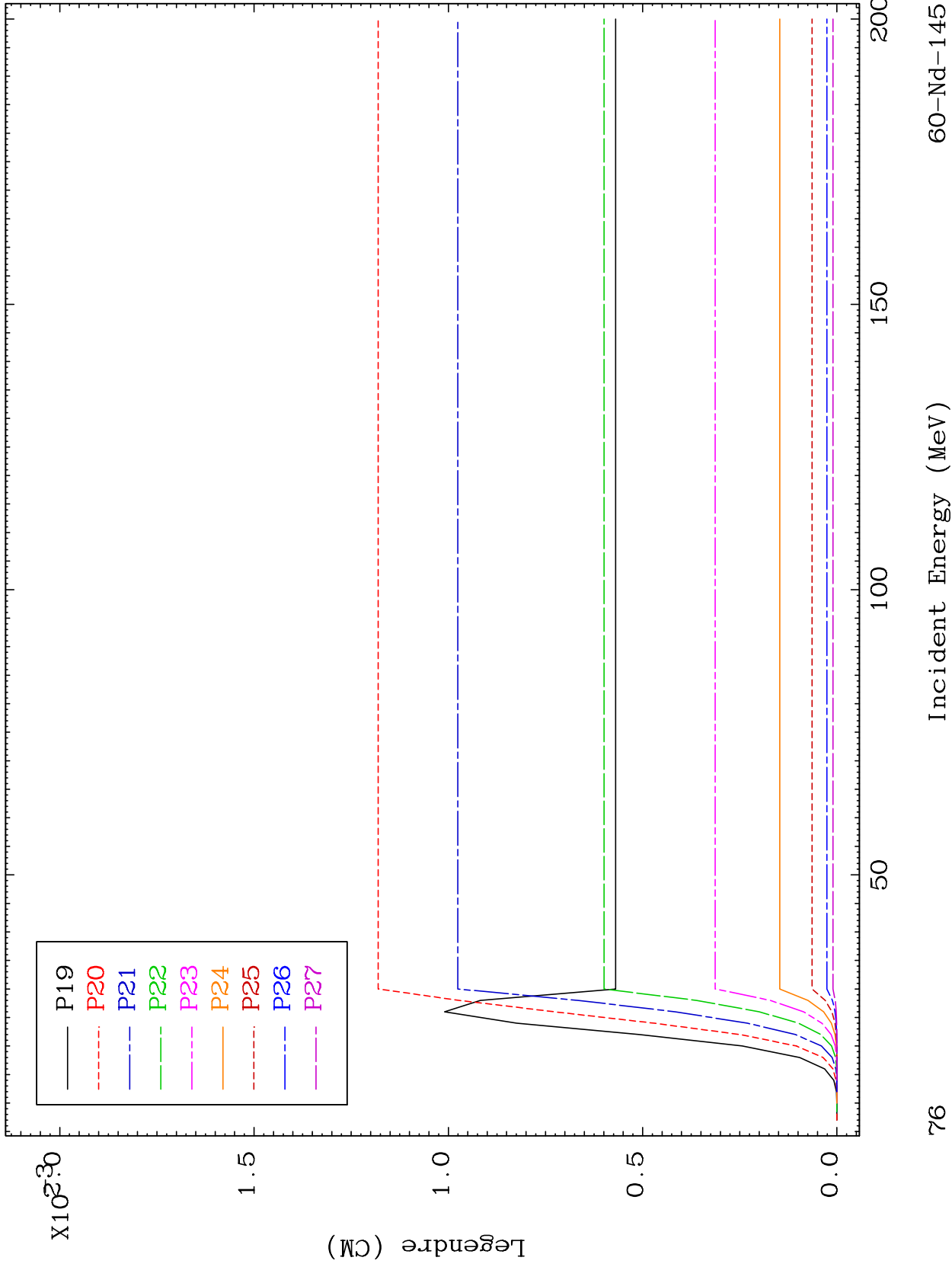


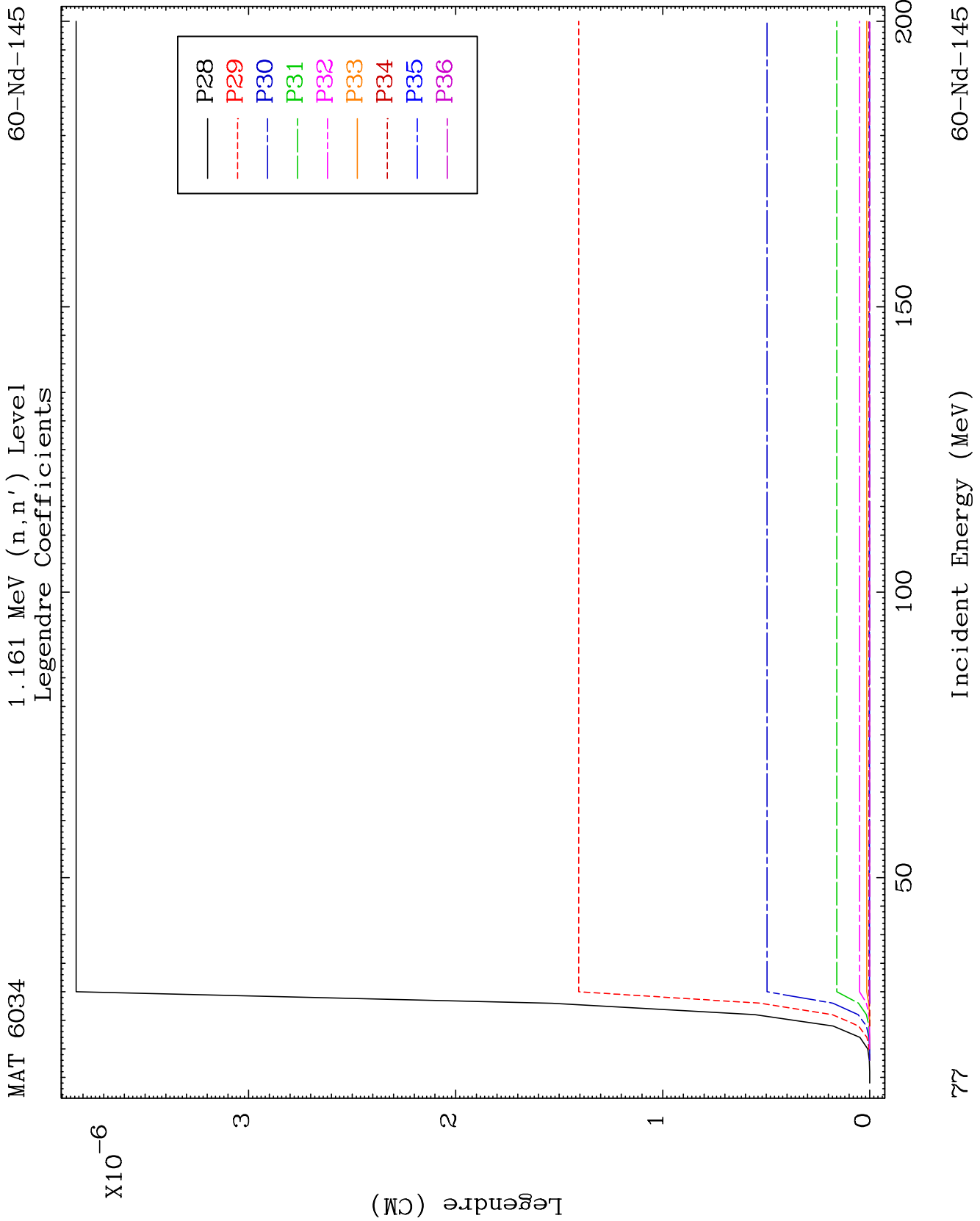


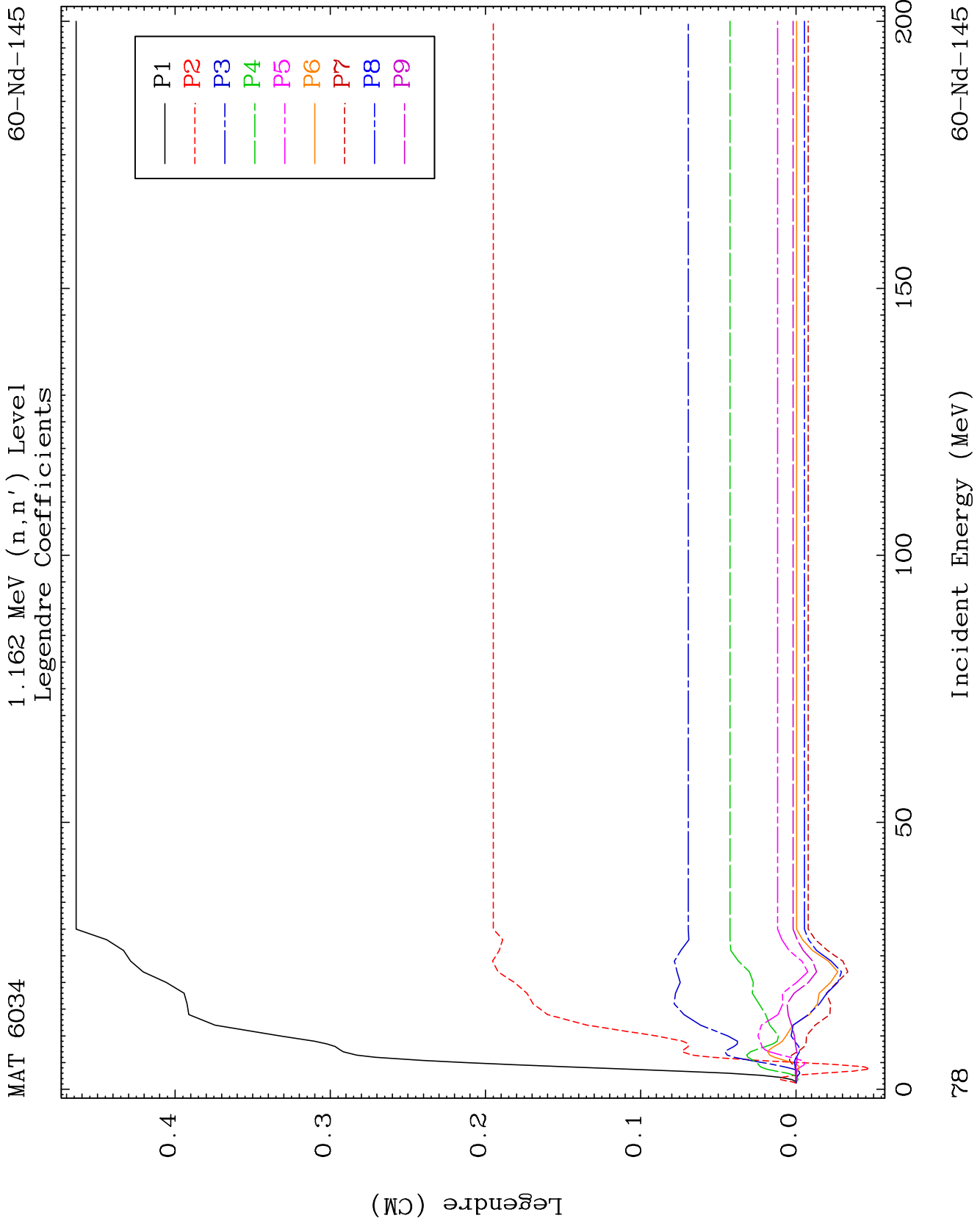
MAT 6034

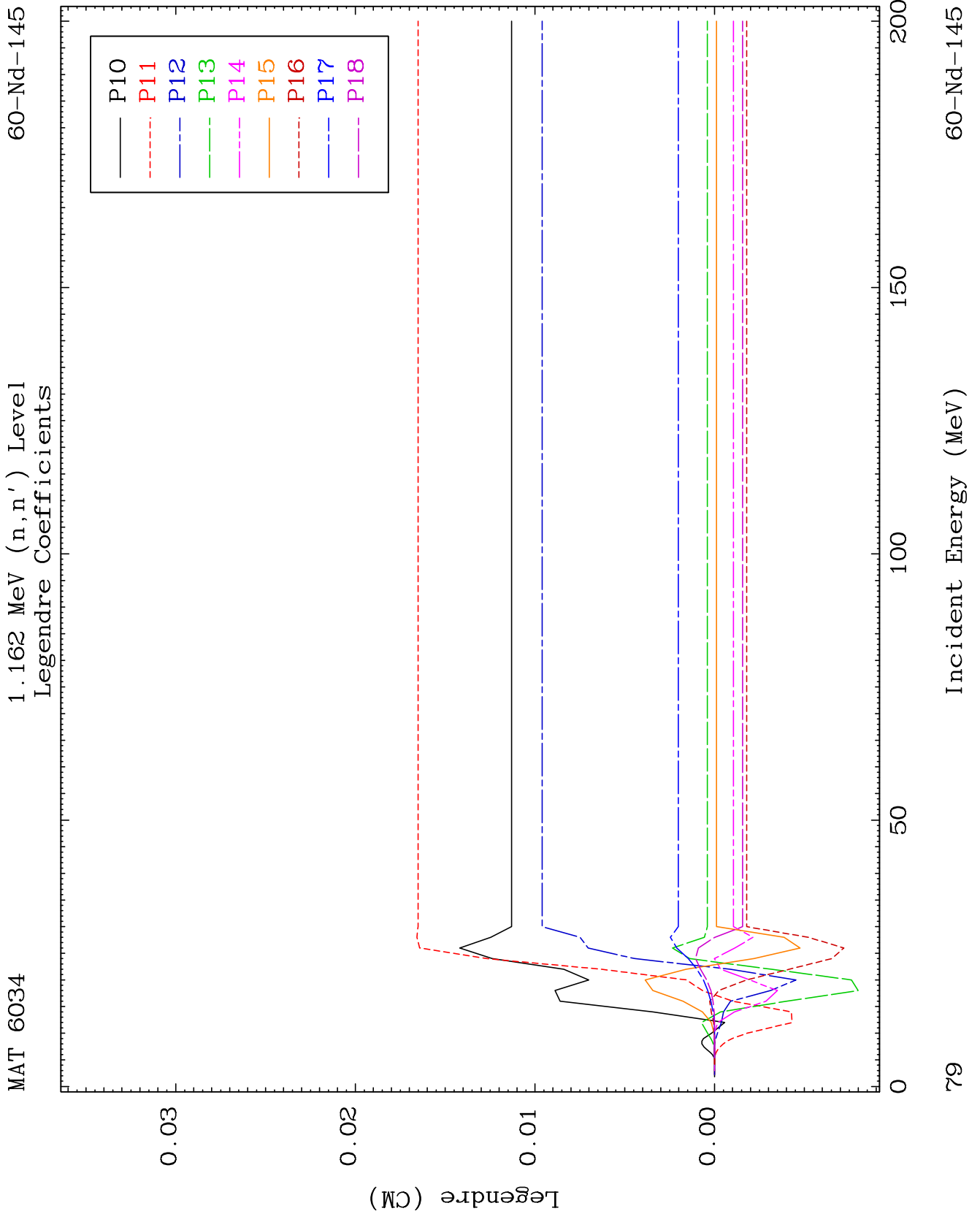
1.161 MeV (n,n') Level
Legendre Coefficients

60-Nd-145





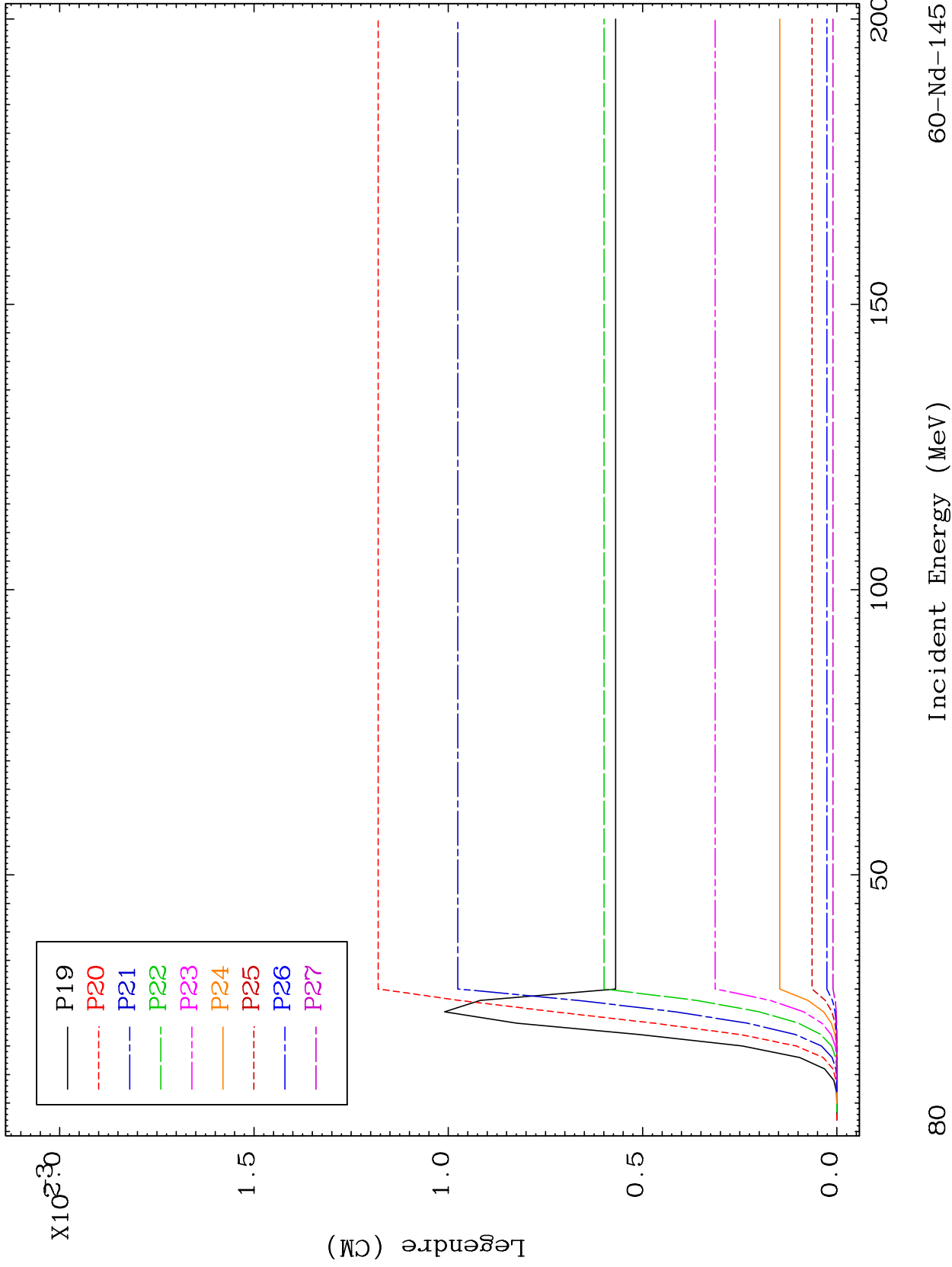




MAT 6034

1.162 MeV (n,n') Level
Legendre Coefficients

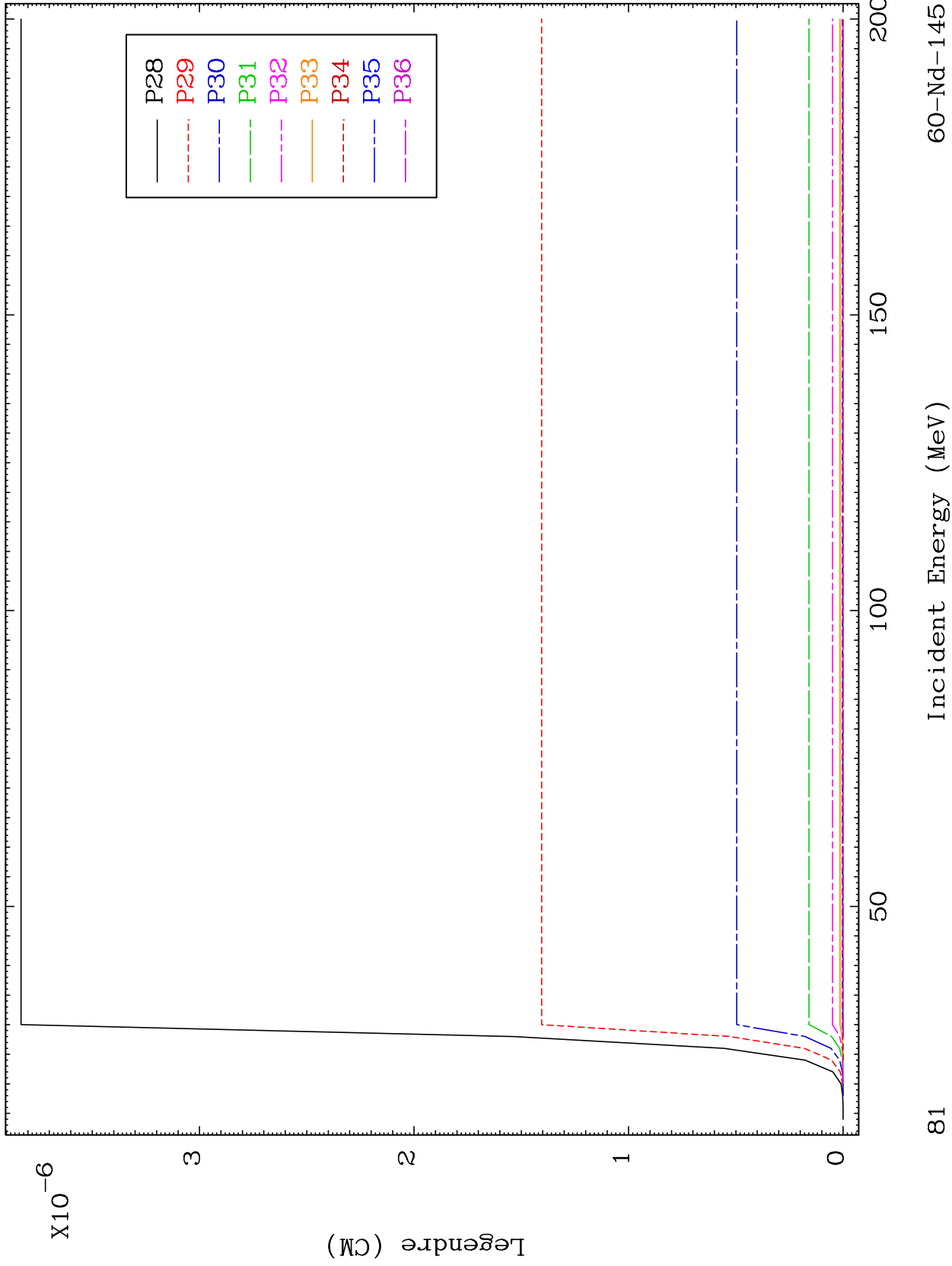
60-Nd-145



MAT 6034

1.162 MeV (n,n') Level
Legendre Coefficients

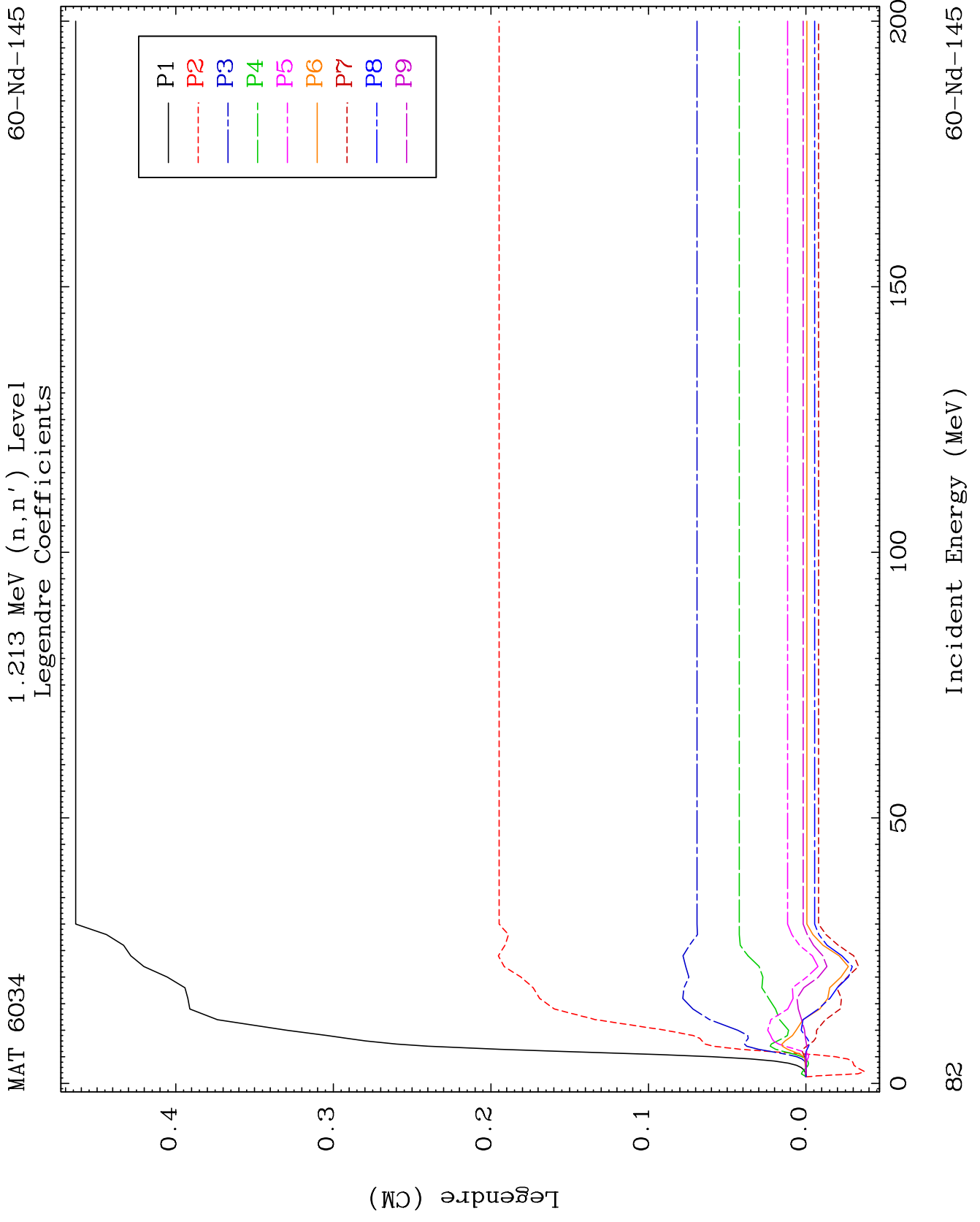
60-Nd-145



81

Incident Energy (MeV)

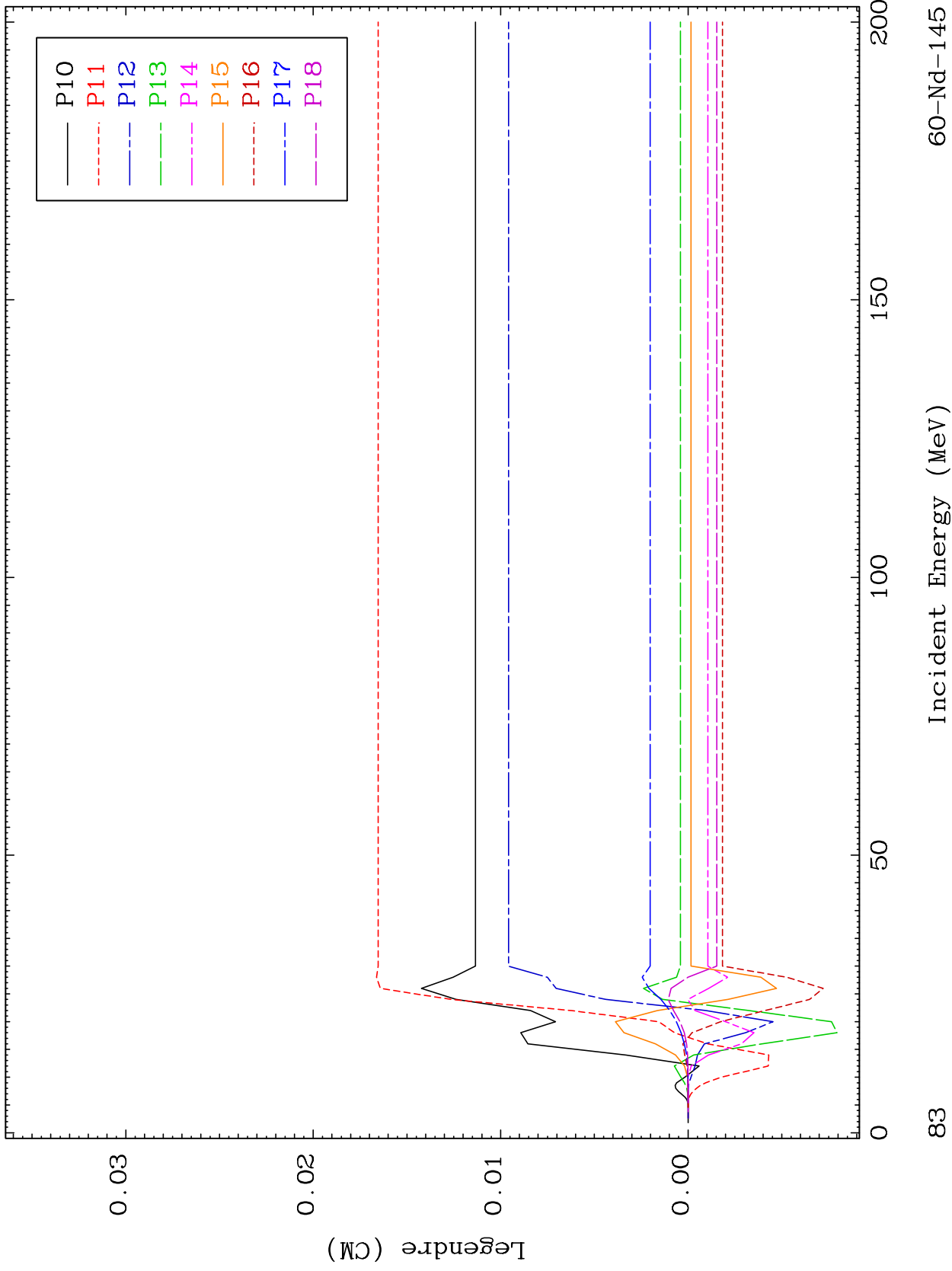
60-Nd-145



MAT 6034

1.213 MeV (n,n') Level
Legendre Coefficients

60-Nd-145



60-Nd-145

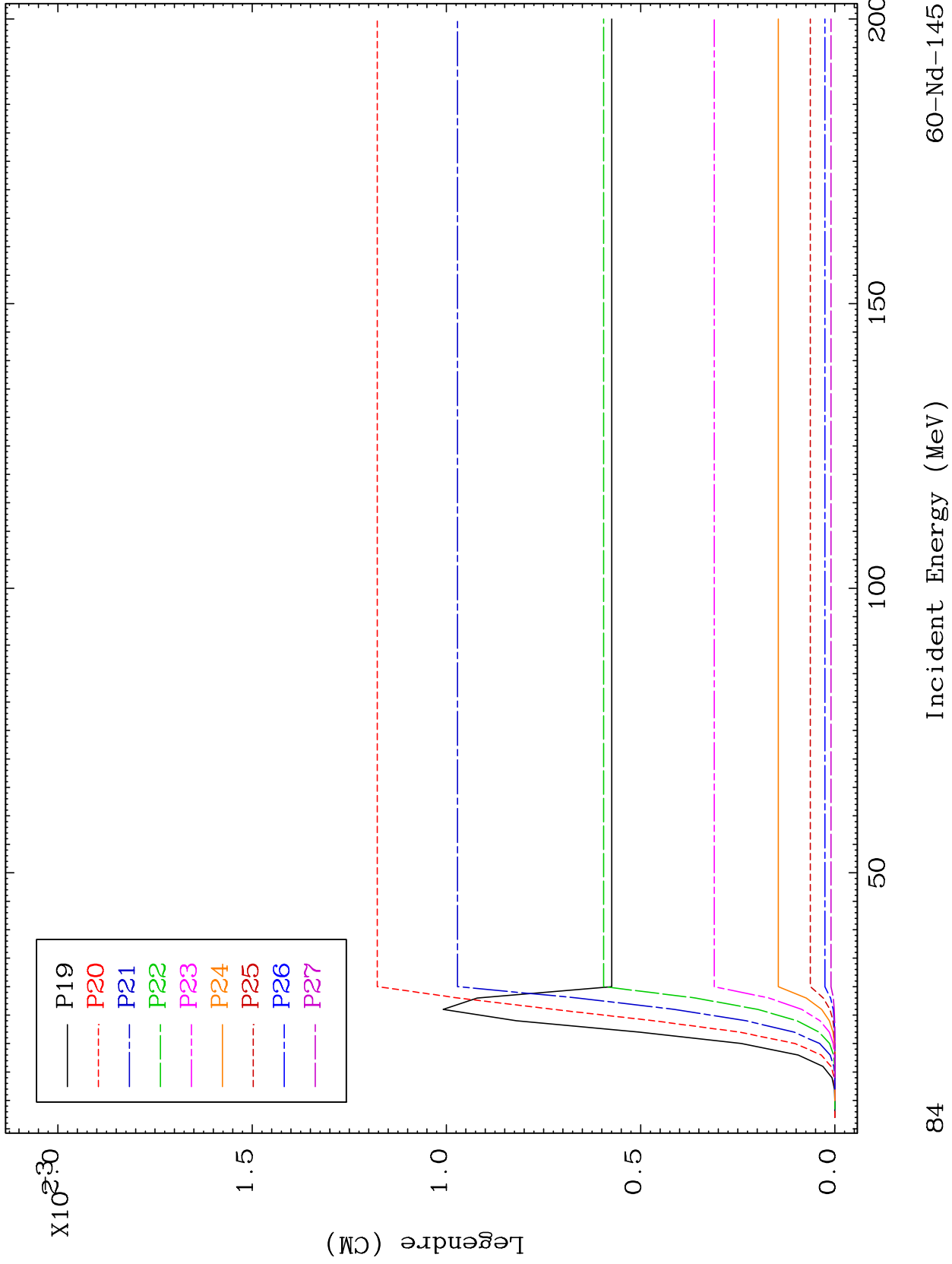
Incident Energy (MeV)

83

MAT 6034

1.213 MeV (n,n') Level
Legendre Coefficients

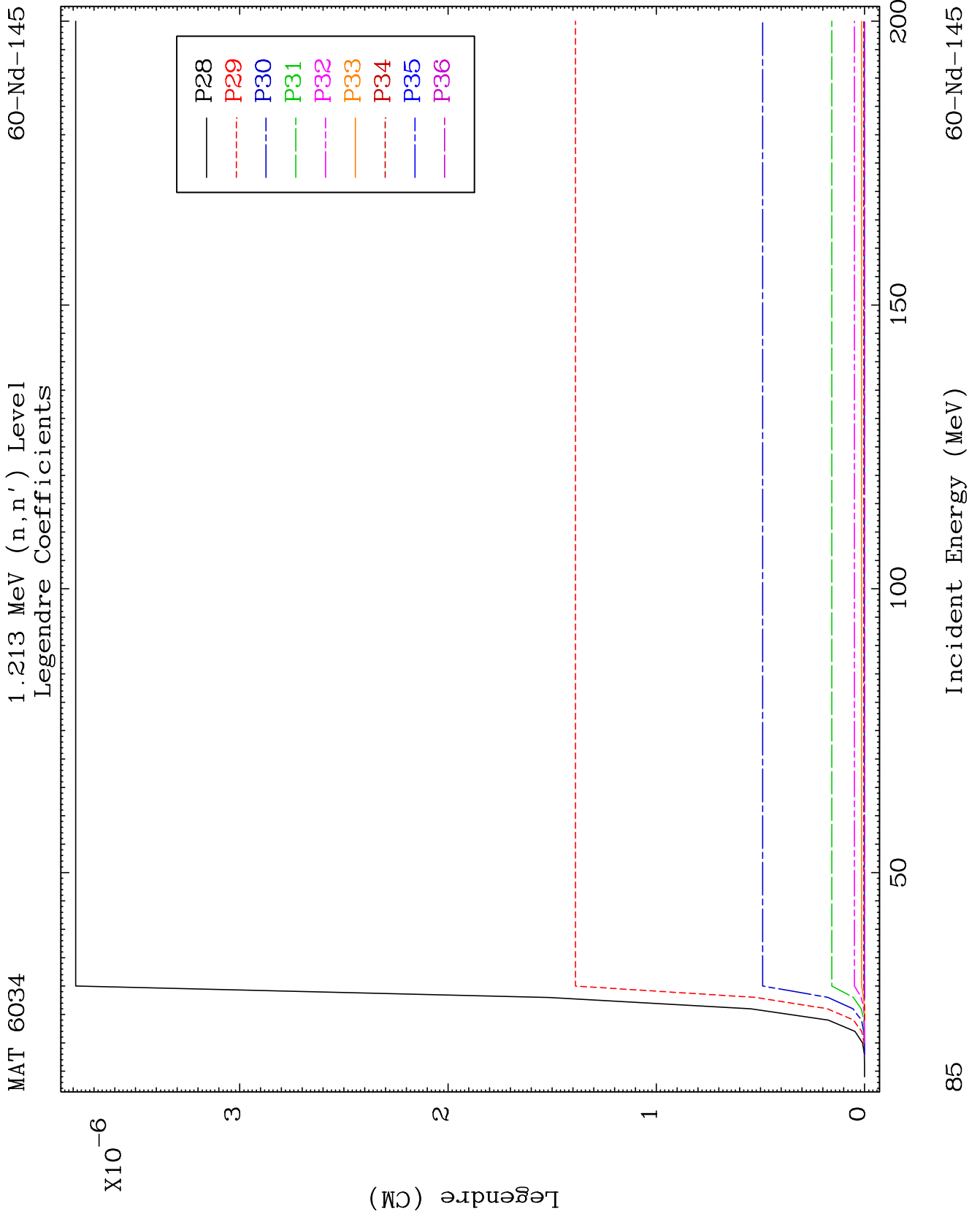
60-Nd-145



84

Incident Energy (MeV)

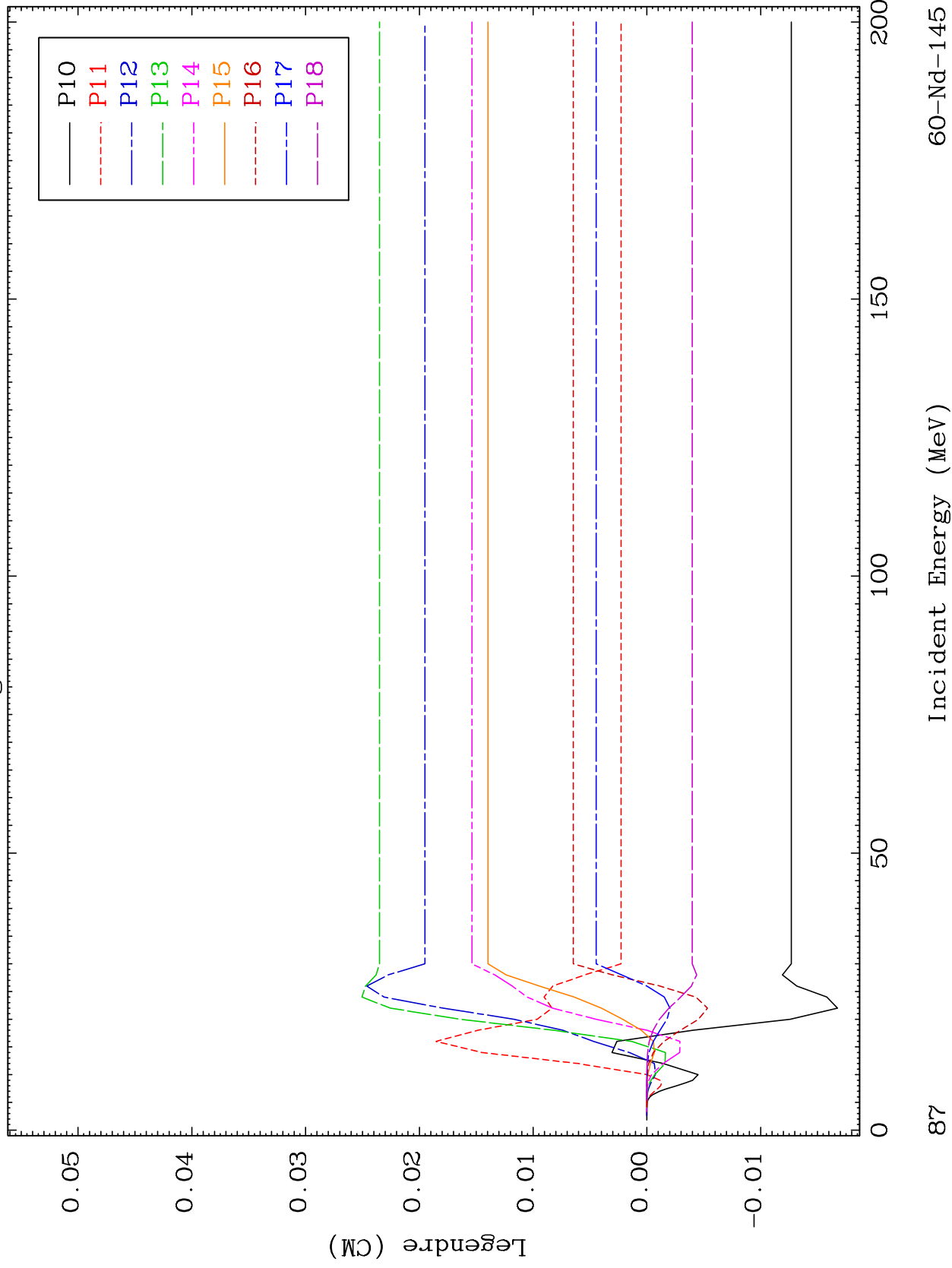
60-Nd-145



MAT 6034

1.250 MeV (n,n') Level
Legendre Coefficients

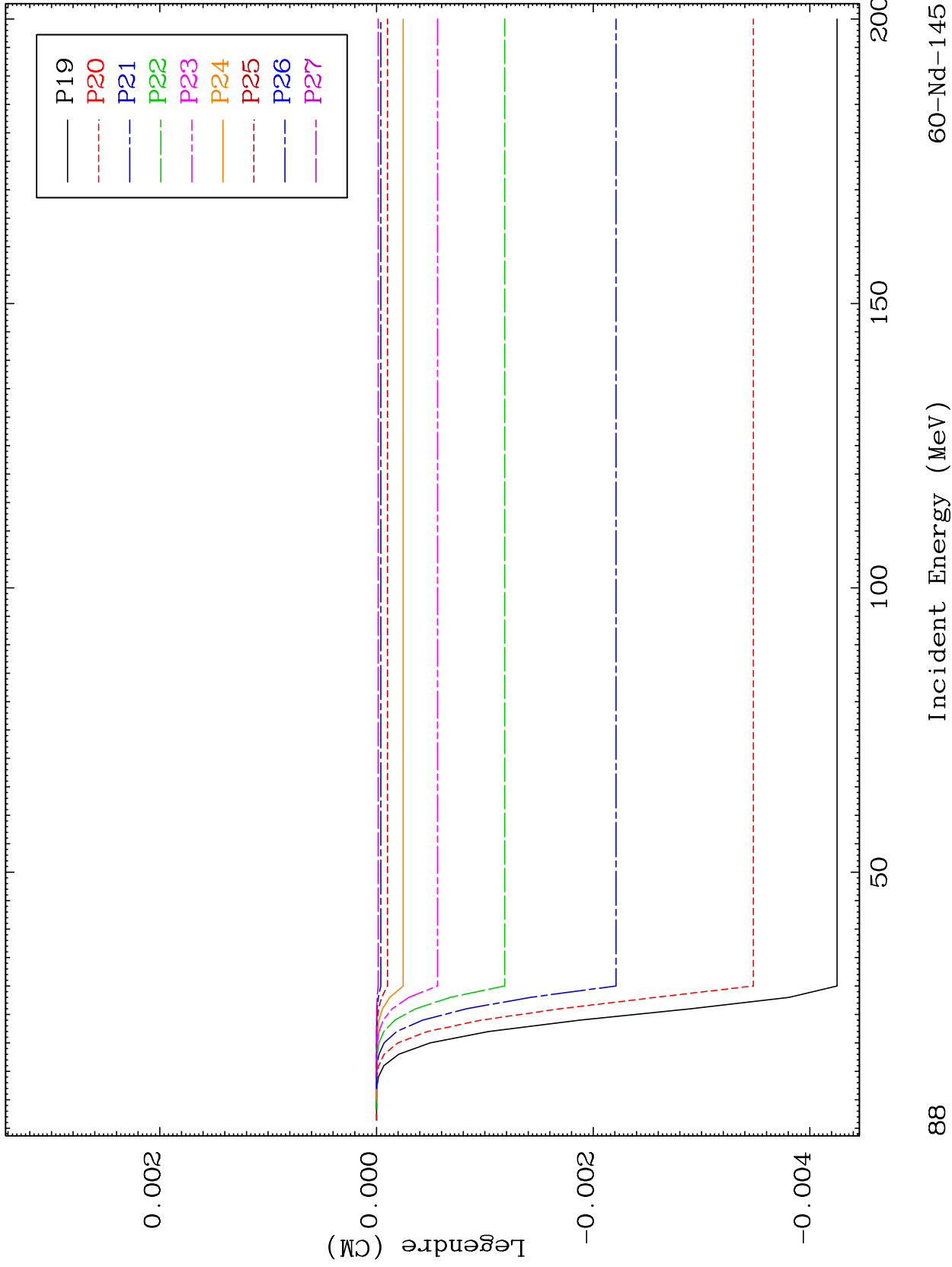
60-Nd-145



MAT 6034

1.250 MeV (n,n') Level
Legendre Coefficients

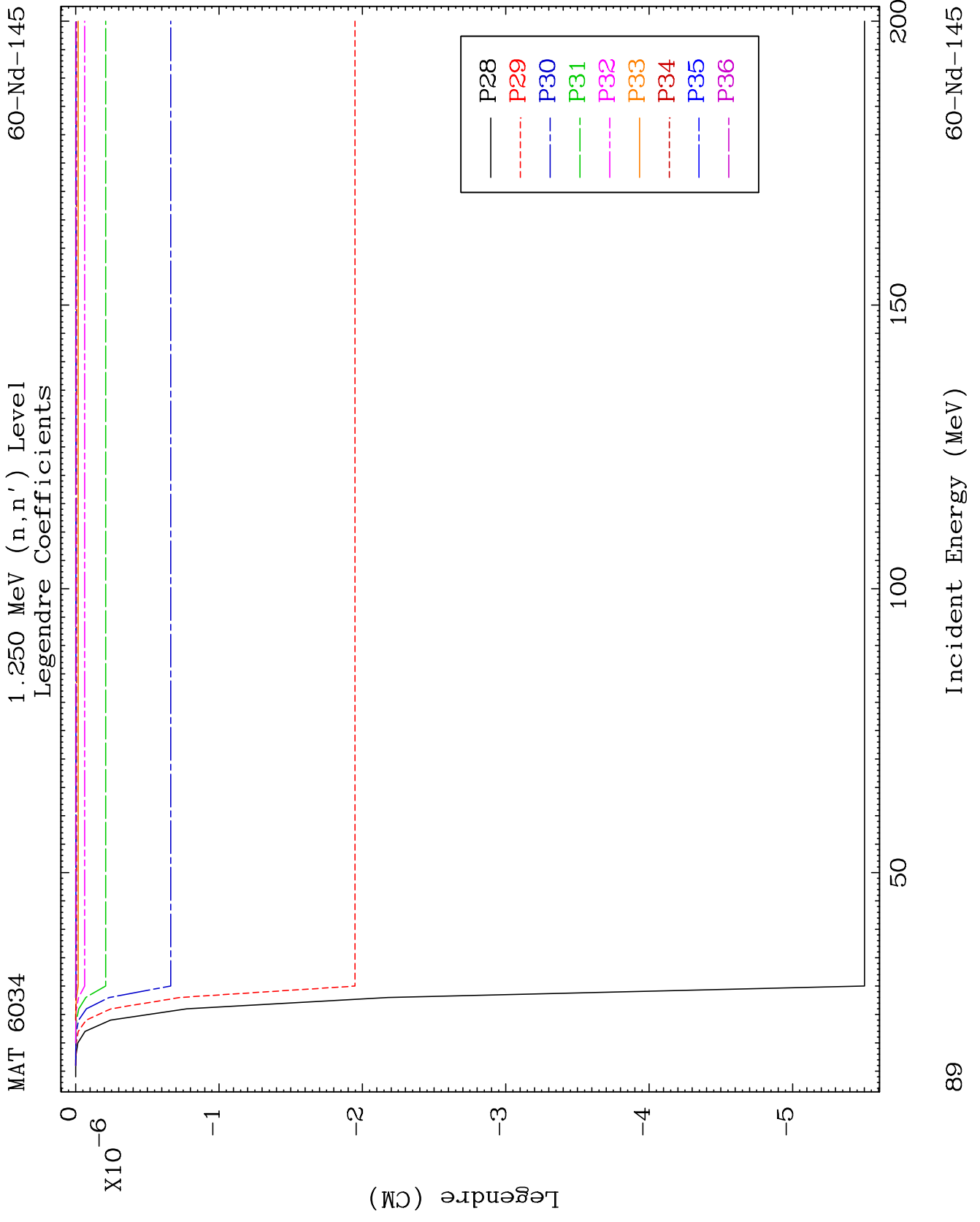
60-Nd-145

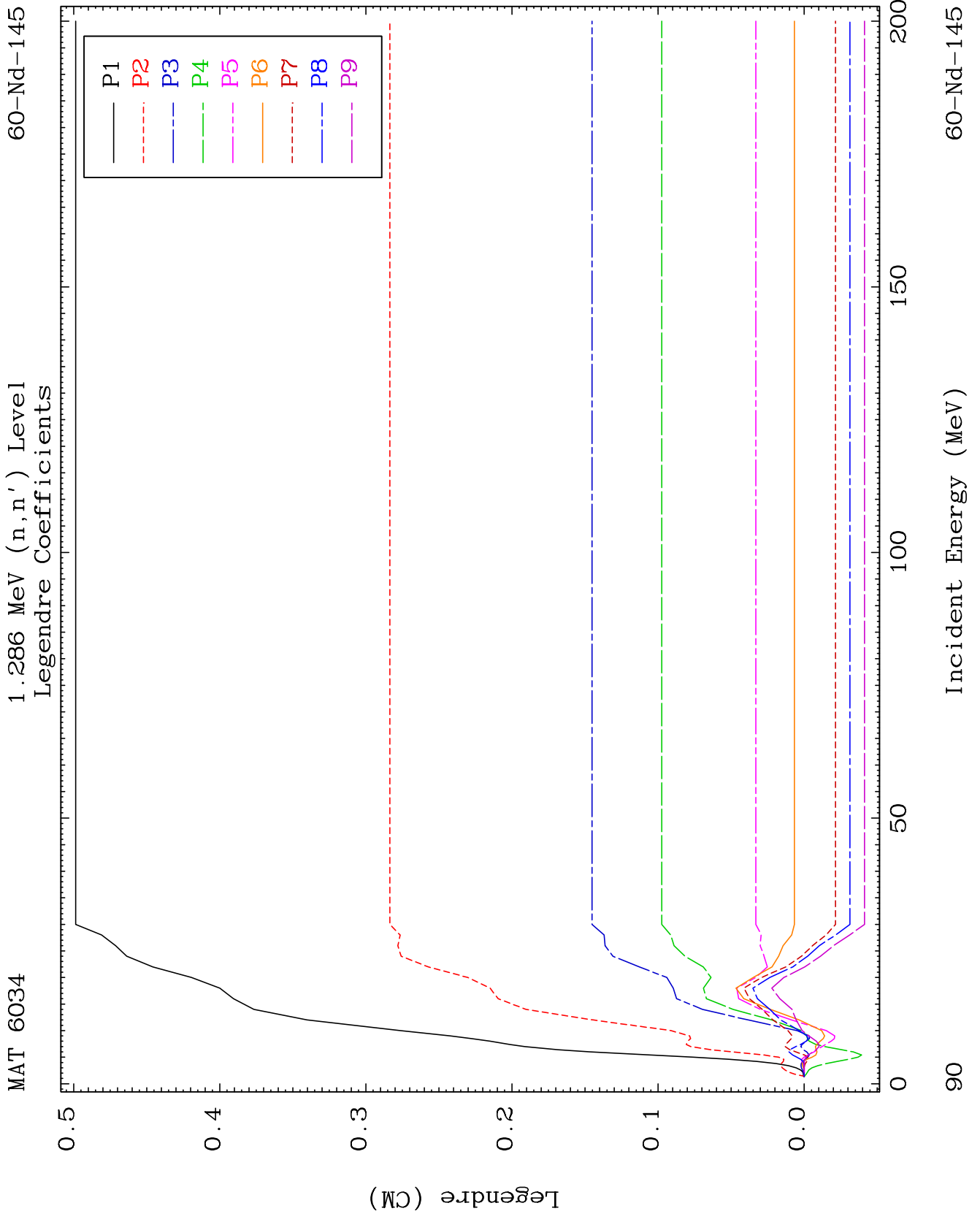


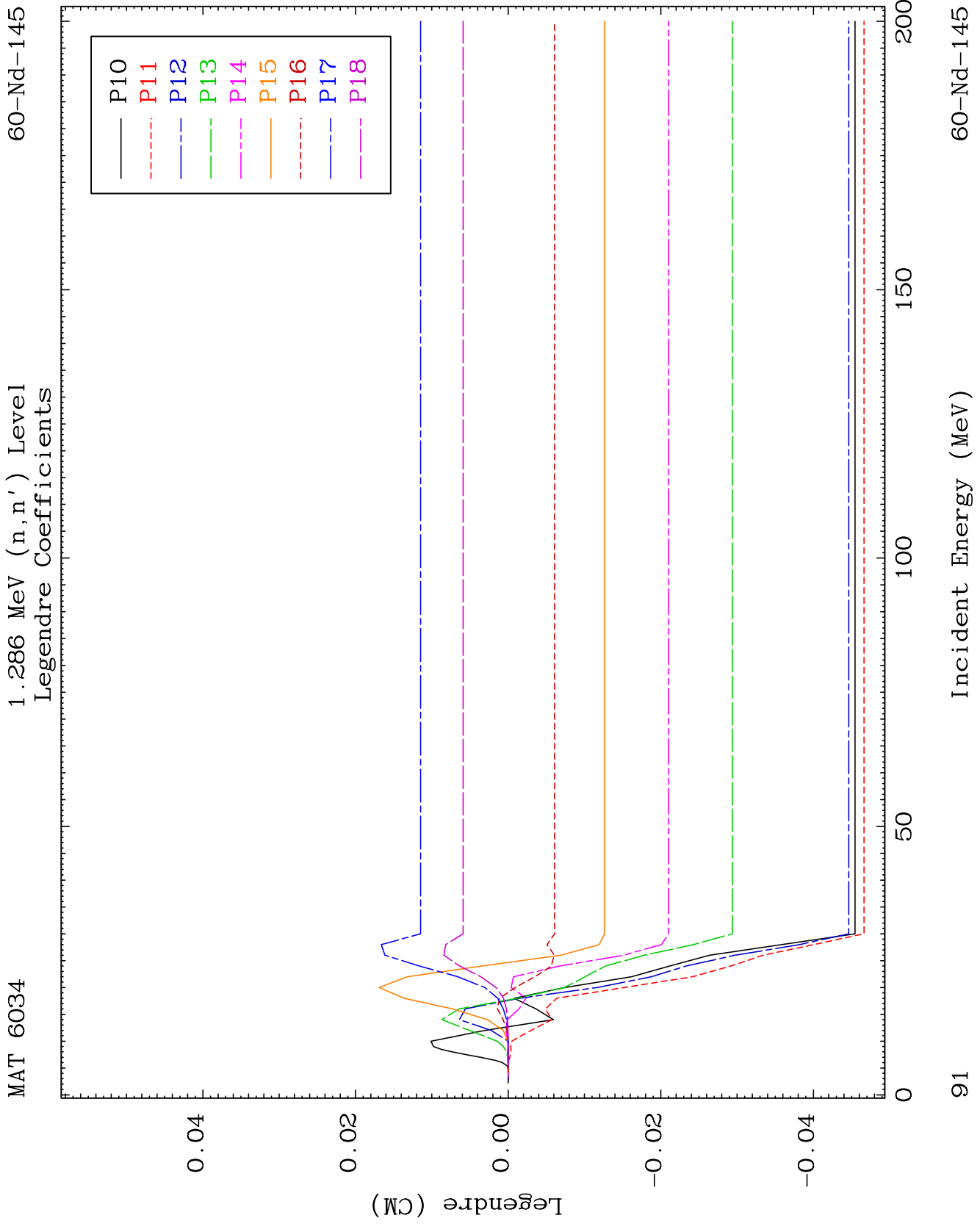
88

Incident Energy (MeV)

60-Nd-145



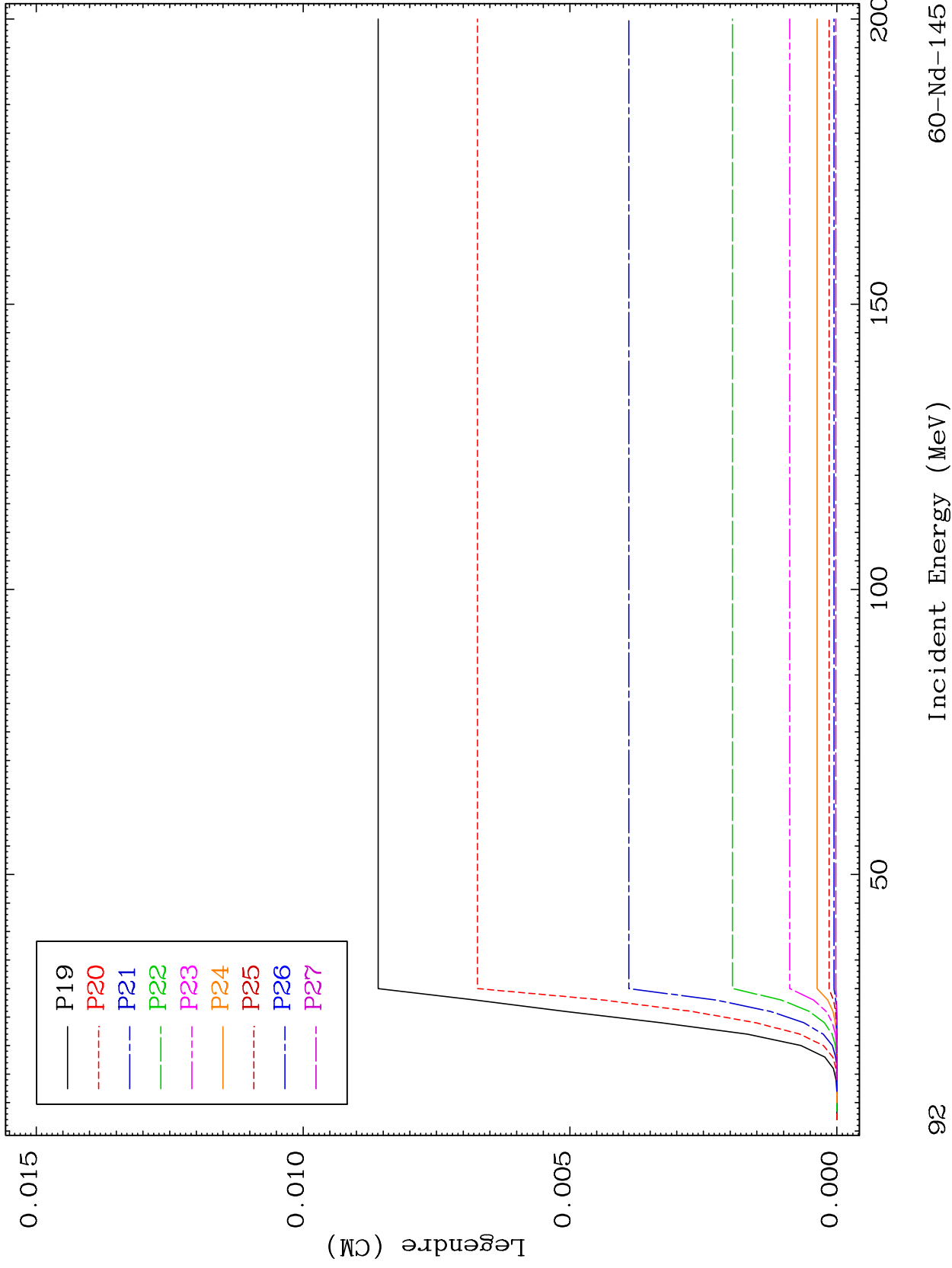




MAT 6034

1.286 MeV (n,n') Level
Legendre Coefficients

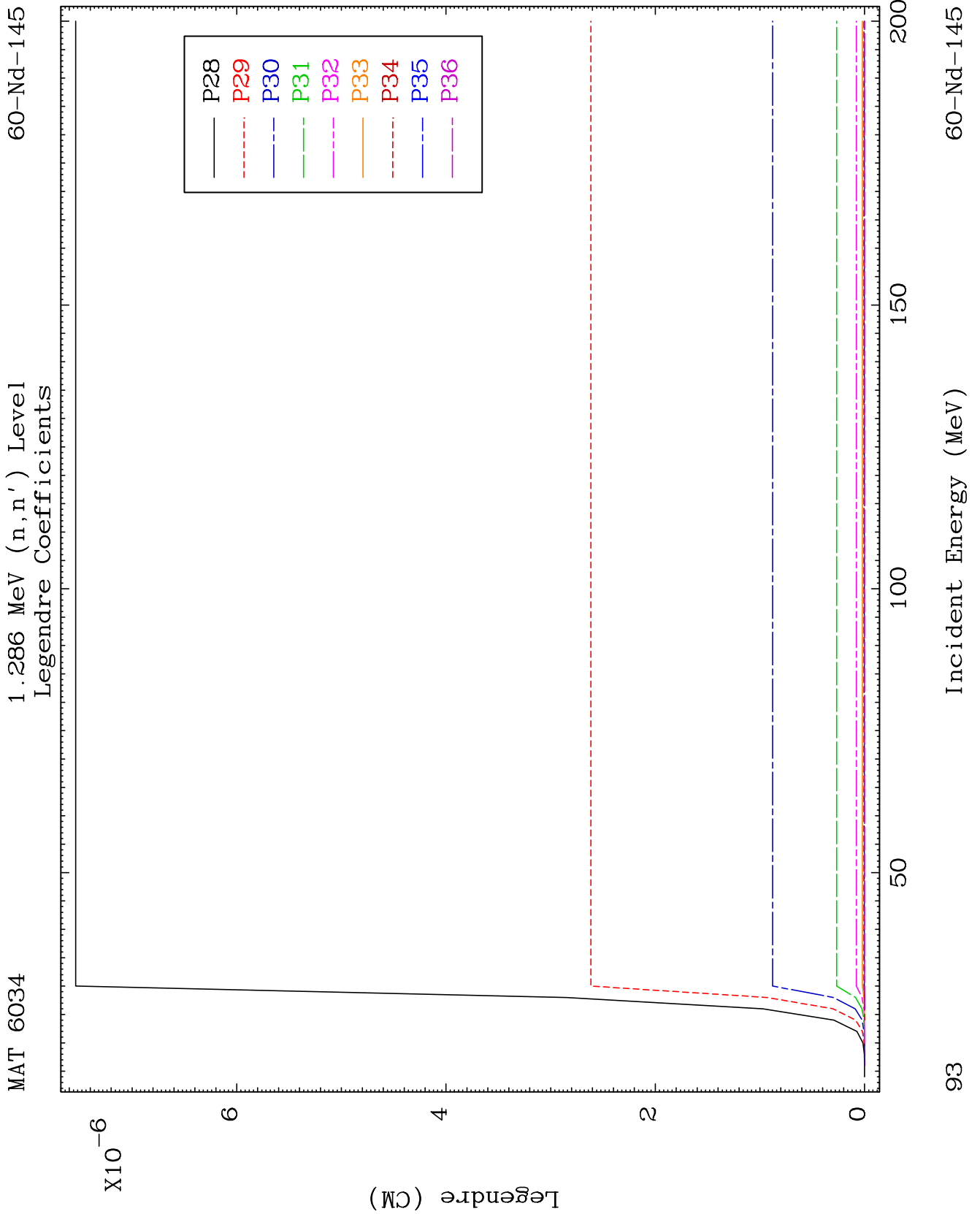
60-Nd-145

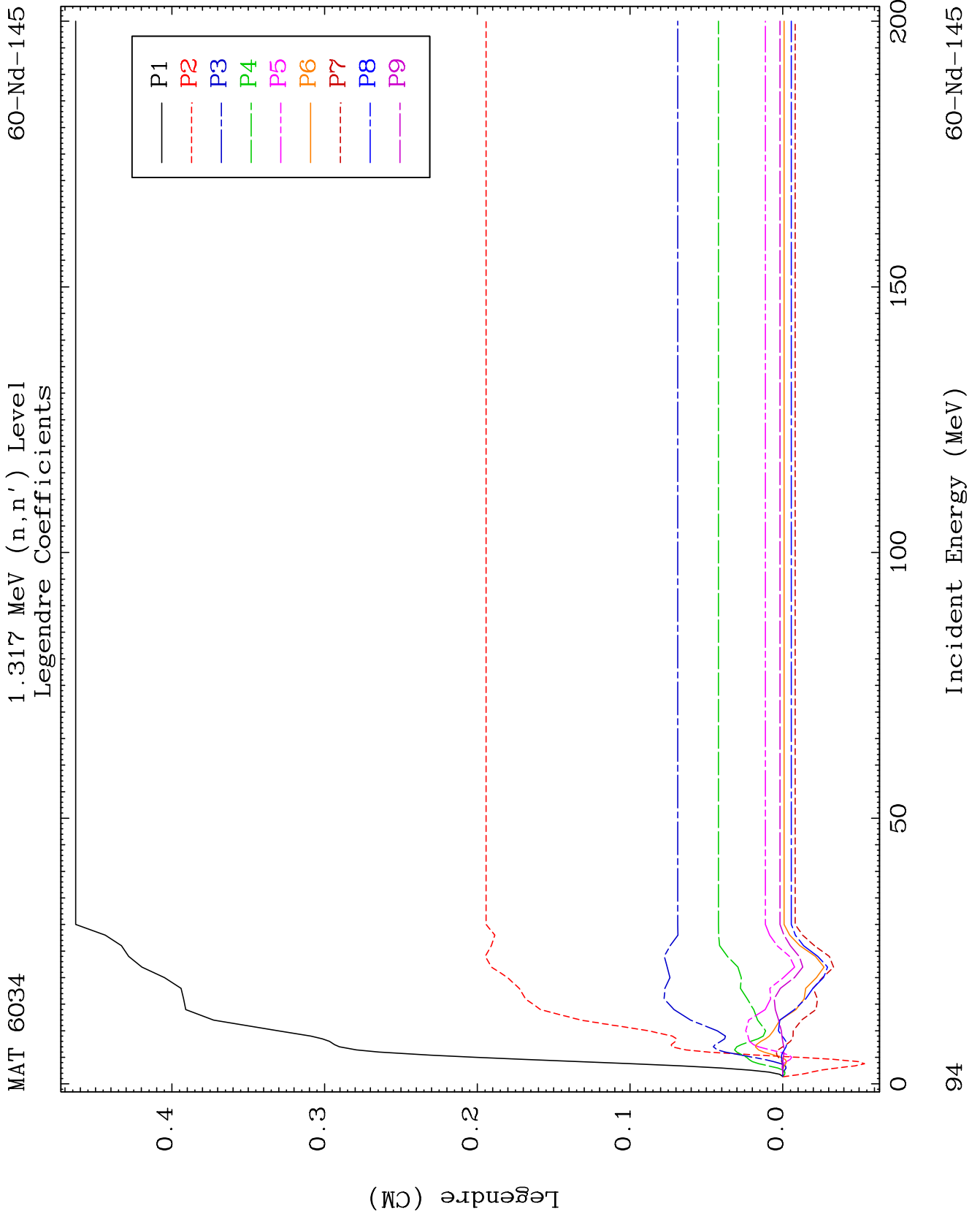


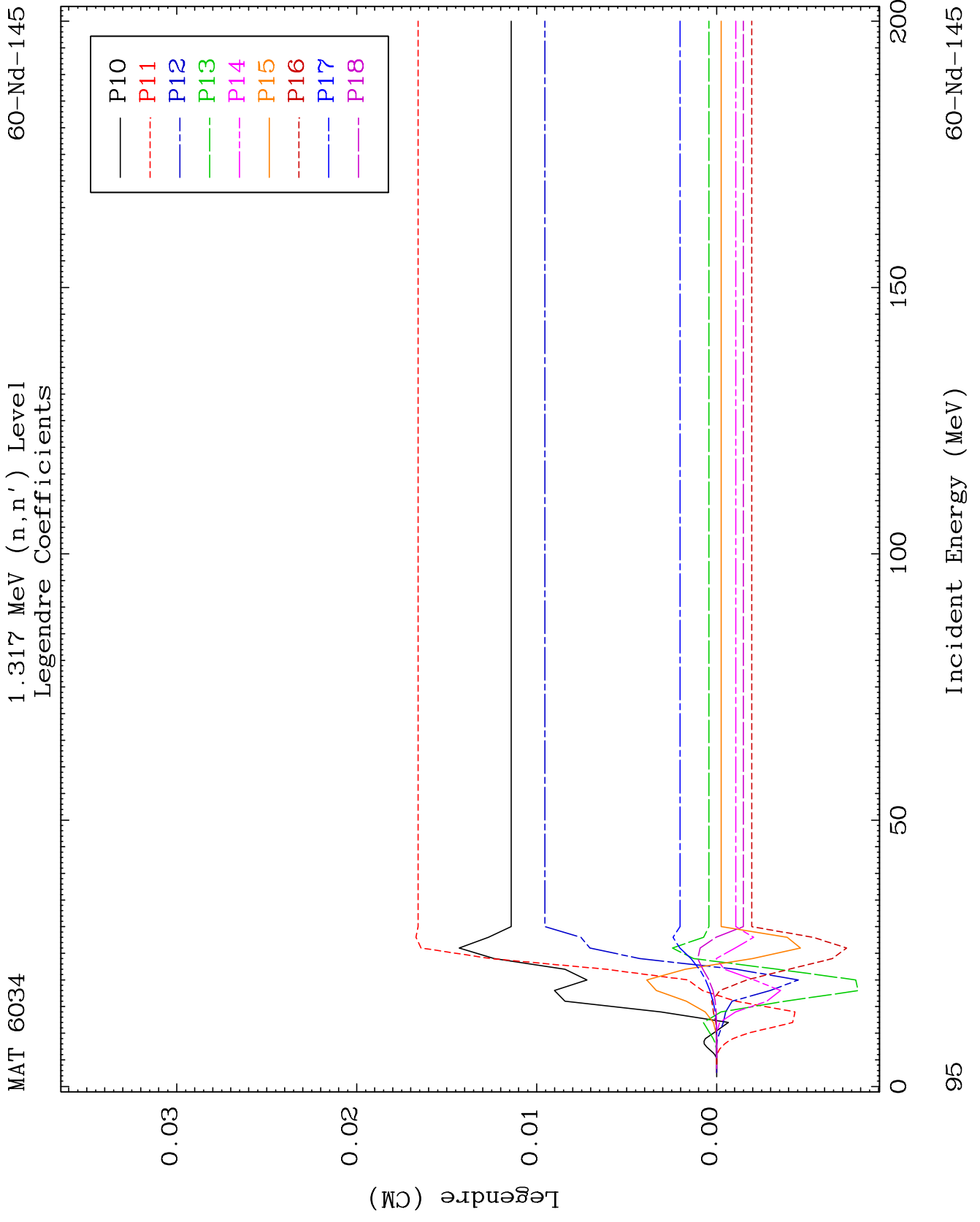
92

Incident Energy (MeV)

60-Nd-145



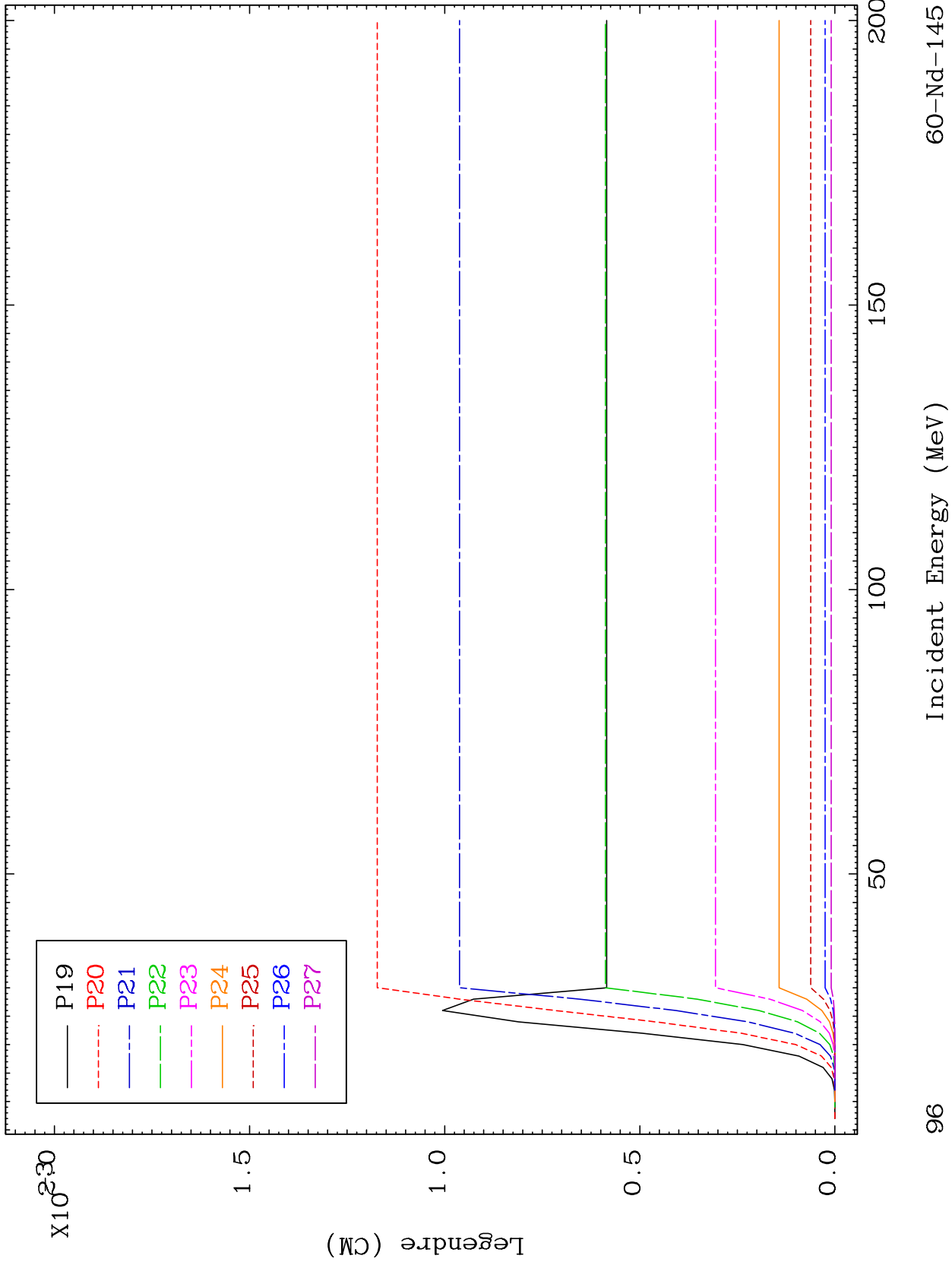




MAT 6034

1.317 MeV (n,n') Level
Legendre Coefficients

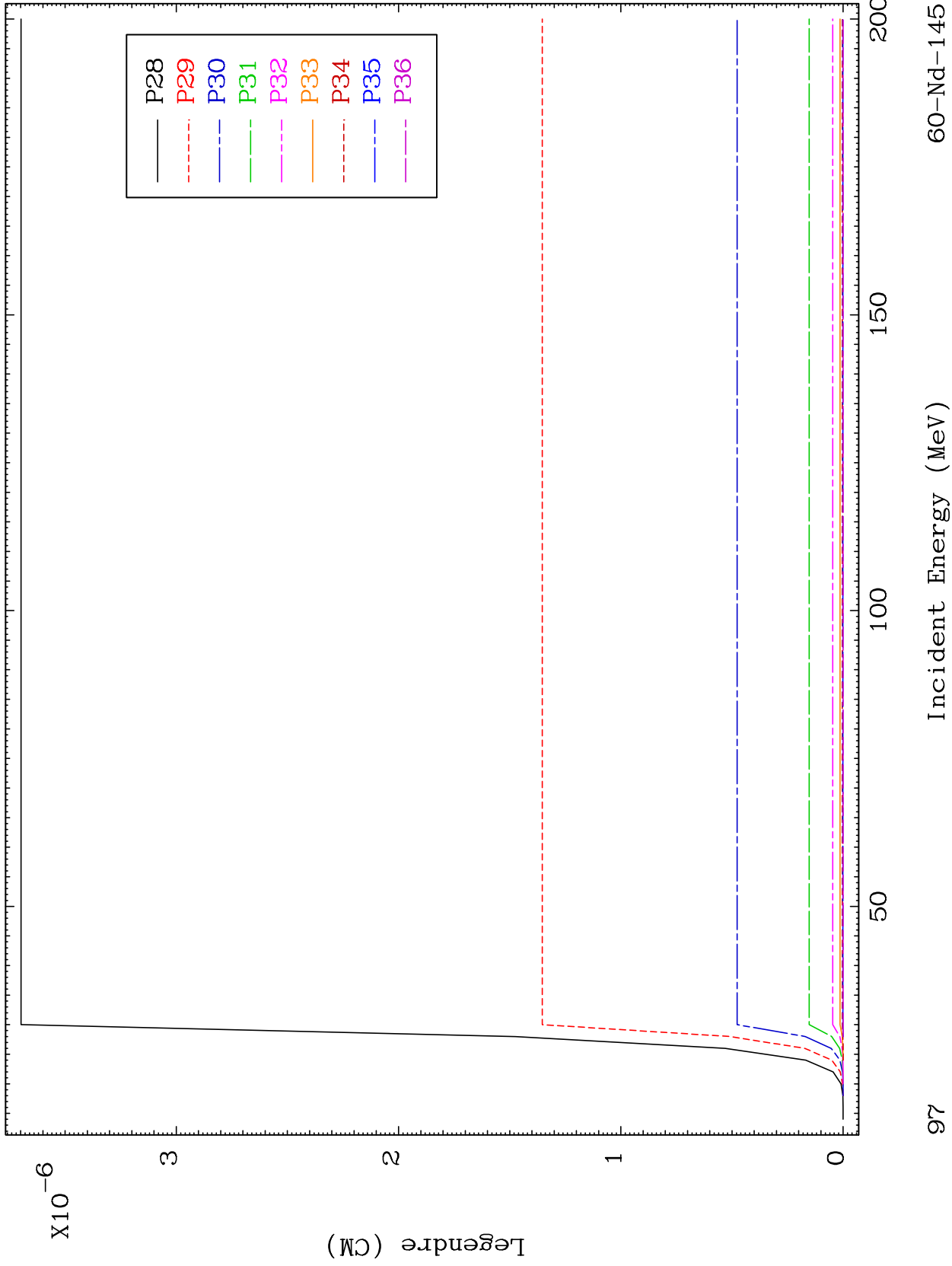
60-Nd-145

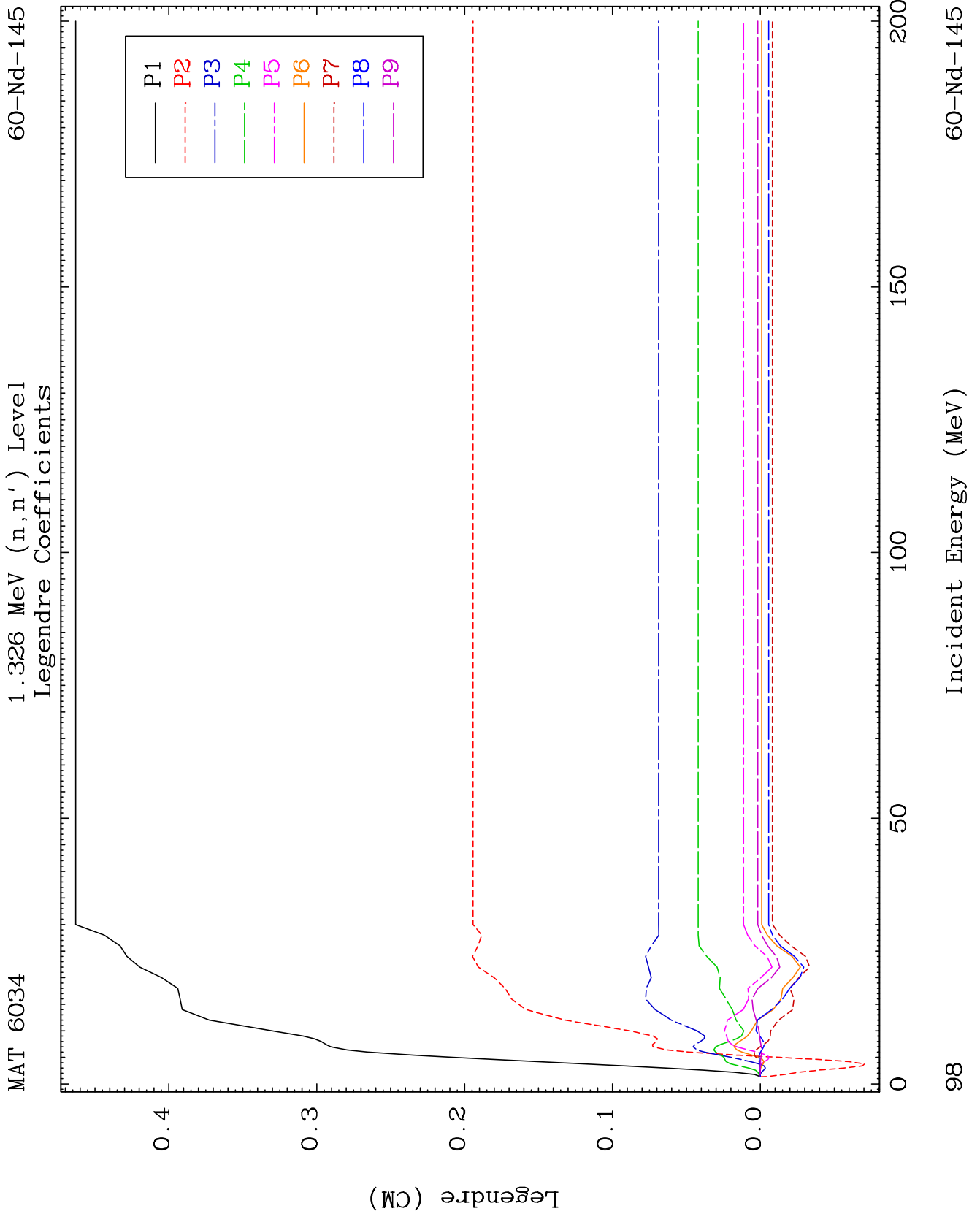


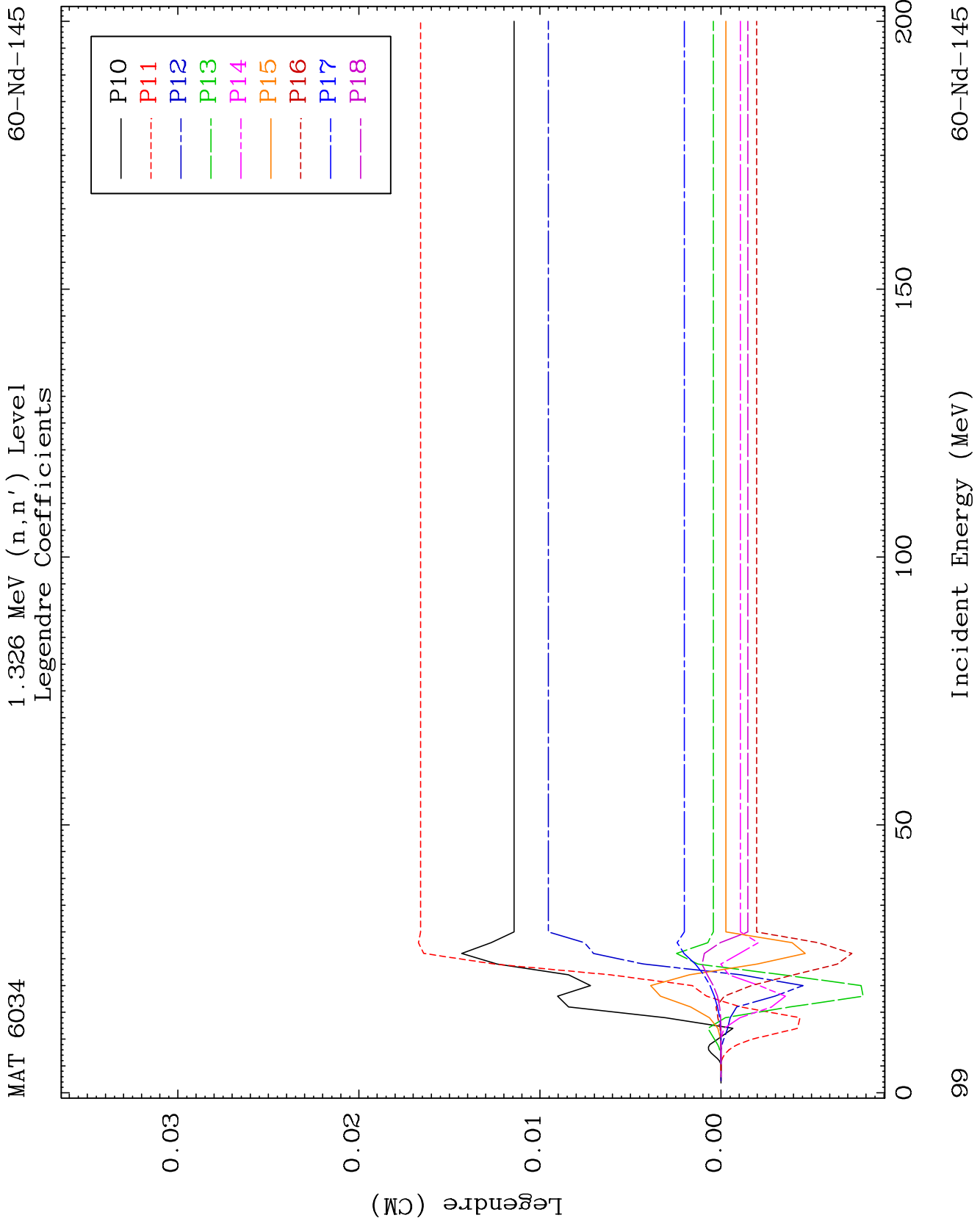
MAT 6034

1.317 MeV (n,n') Level
Legendre Coefficients

60-Nd-145



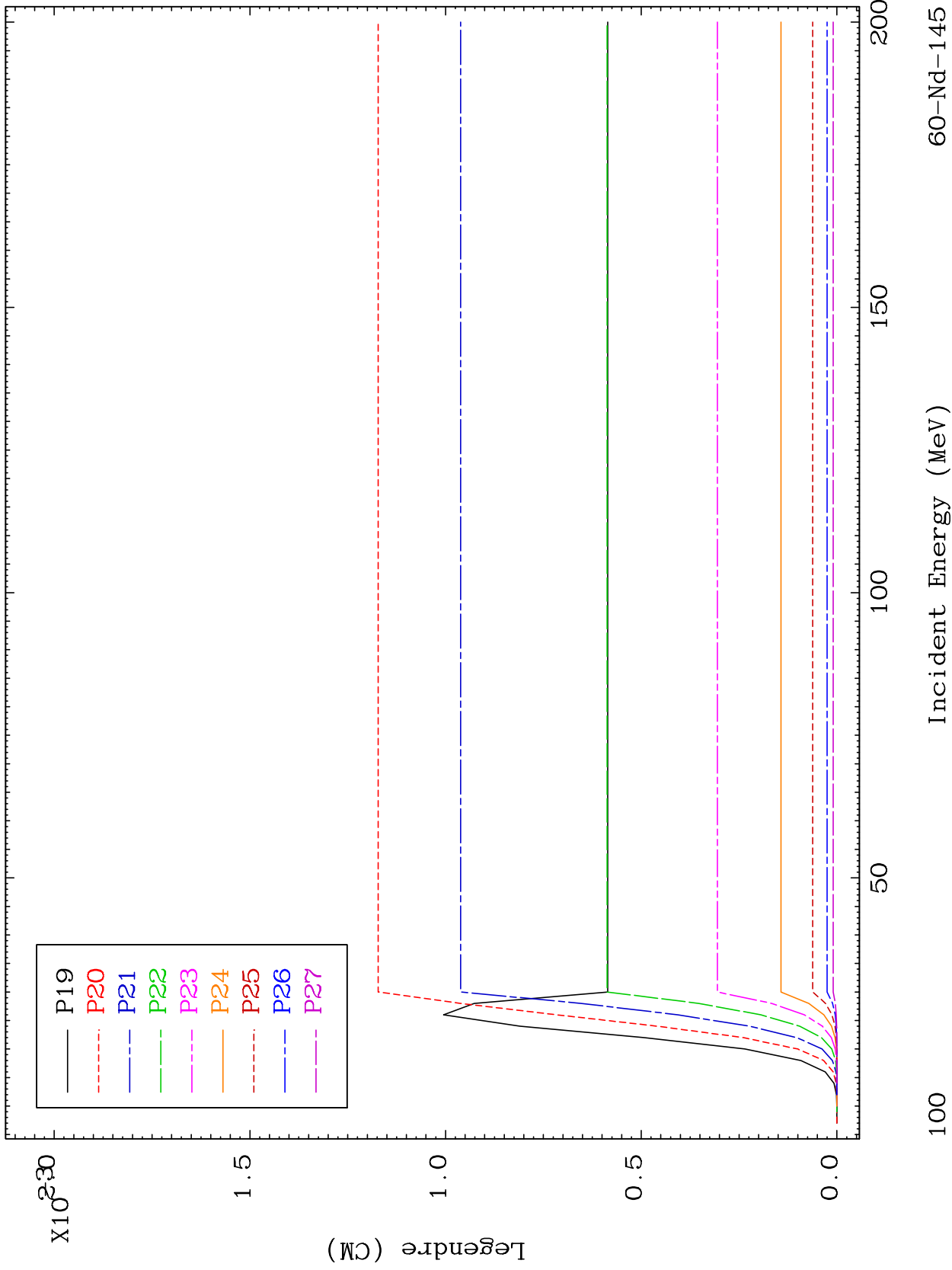




MAT 6034

1.326 MeV (n,n') Level
Legendre Coefficients

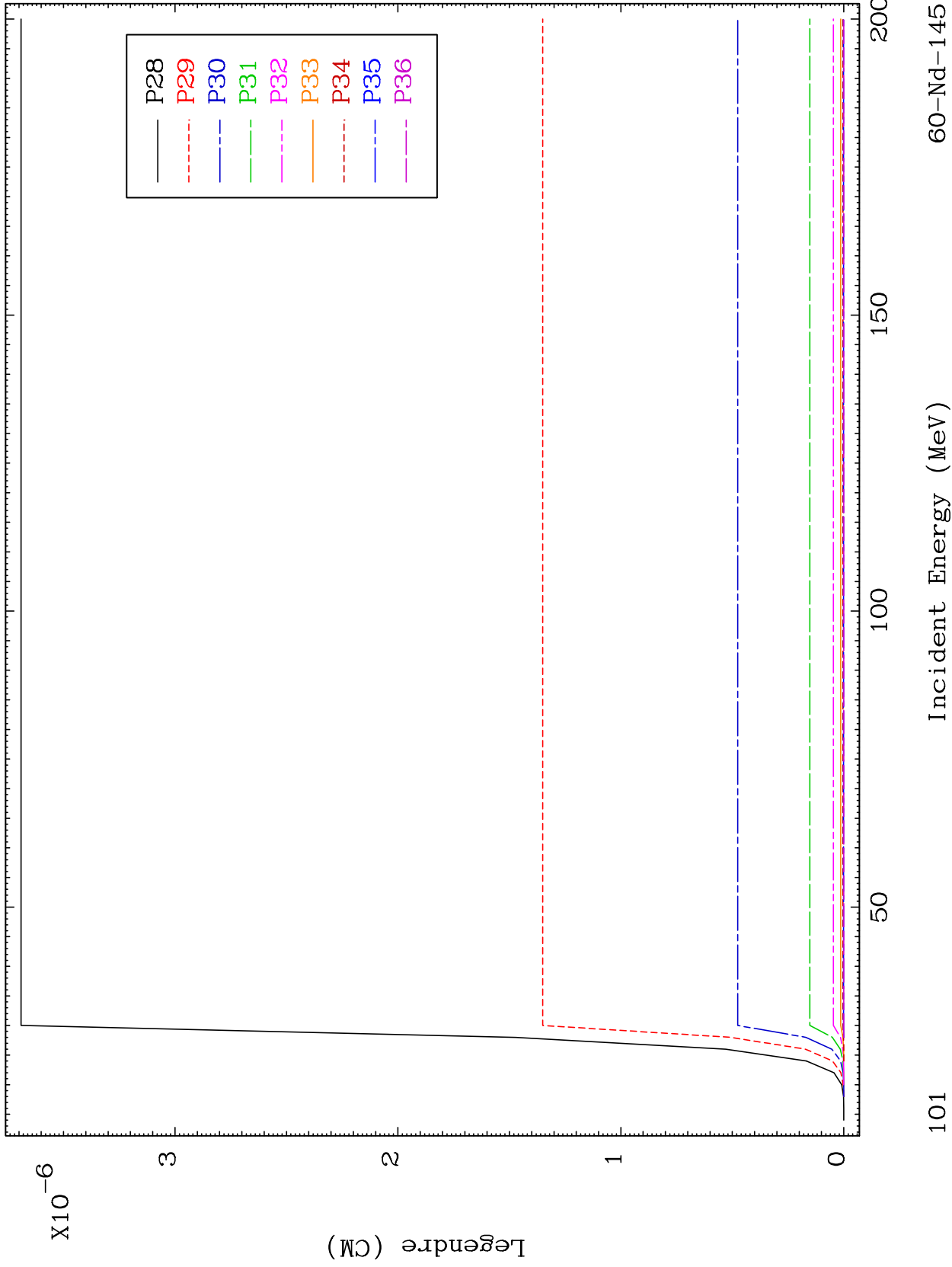
60-Nd-145



MAT 6034

1.326 MeV (n,n') Level
Legendre Coefficients

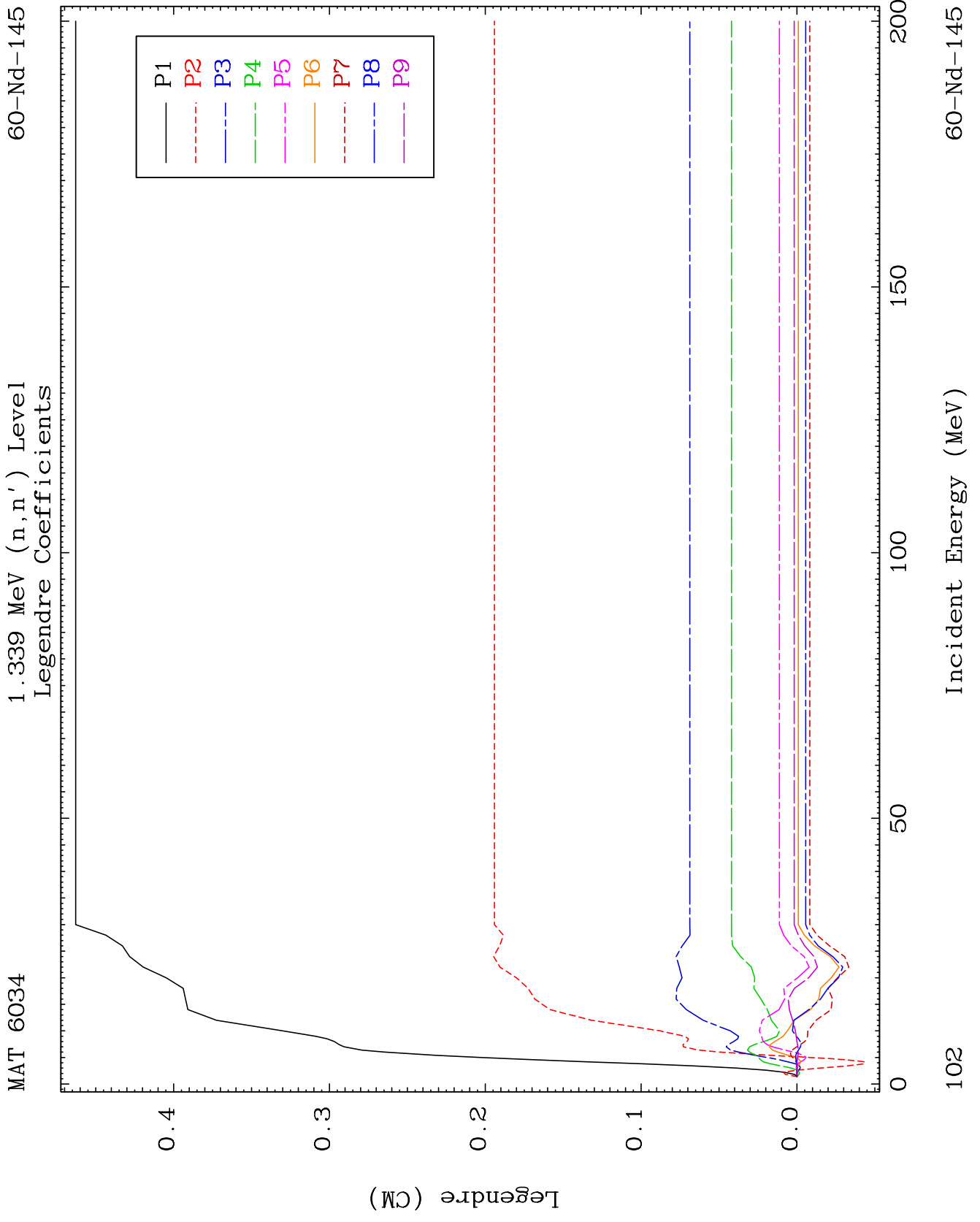
60-Nd-145



101

Incident Energy (MeV)

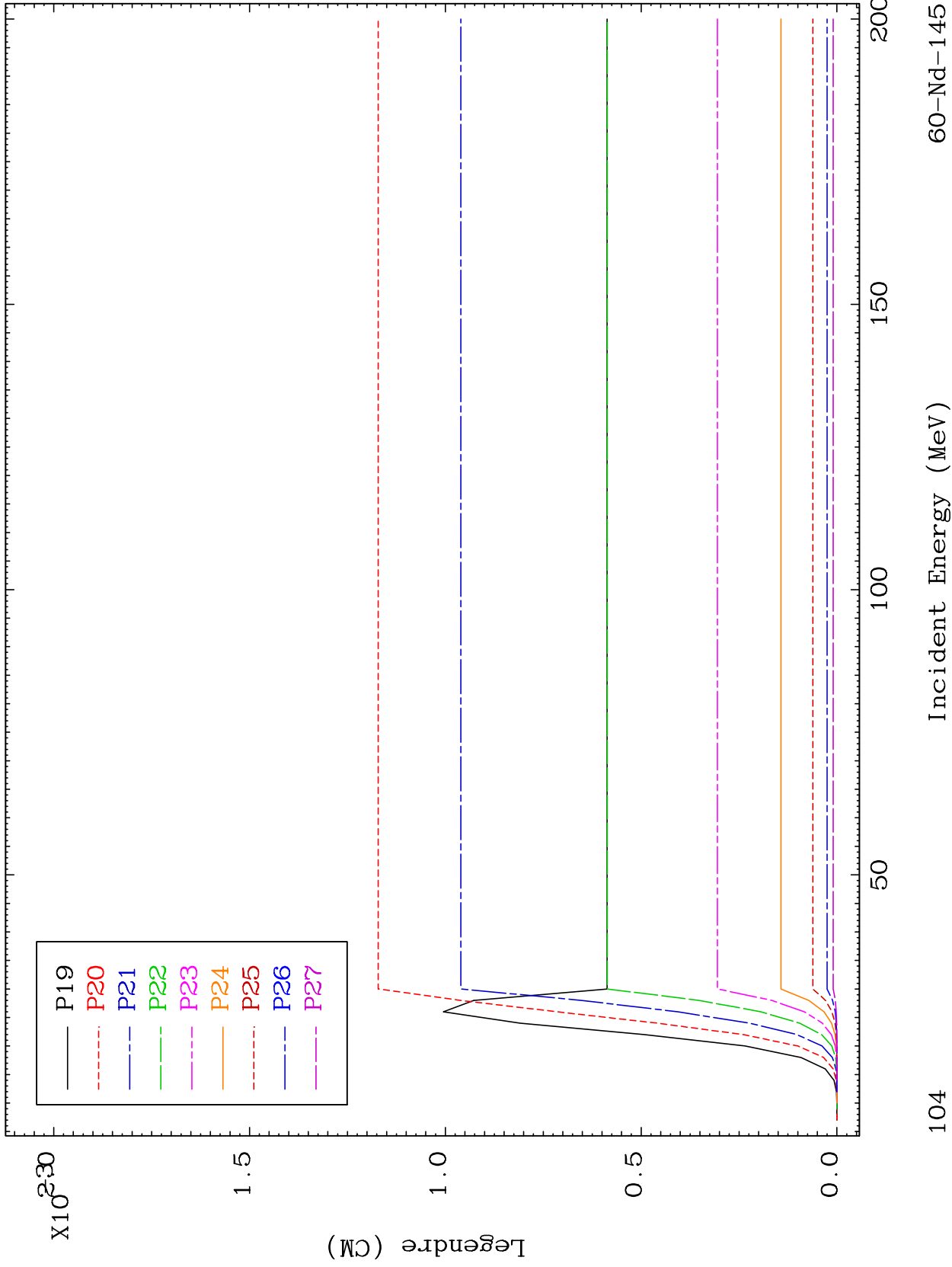
60-Nd-145



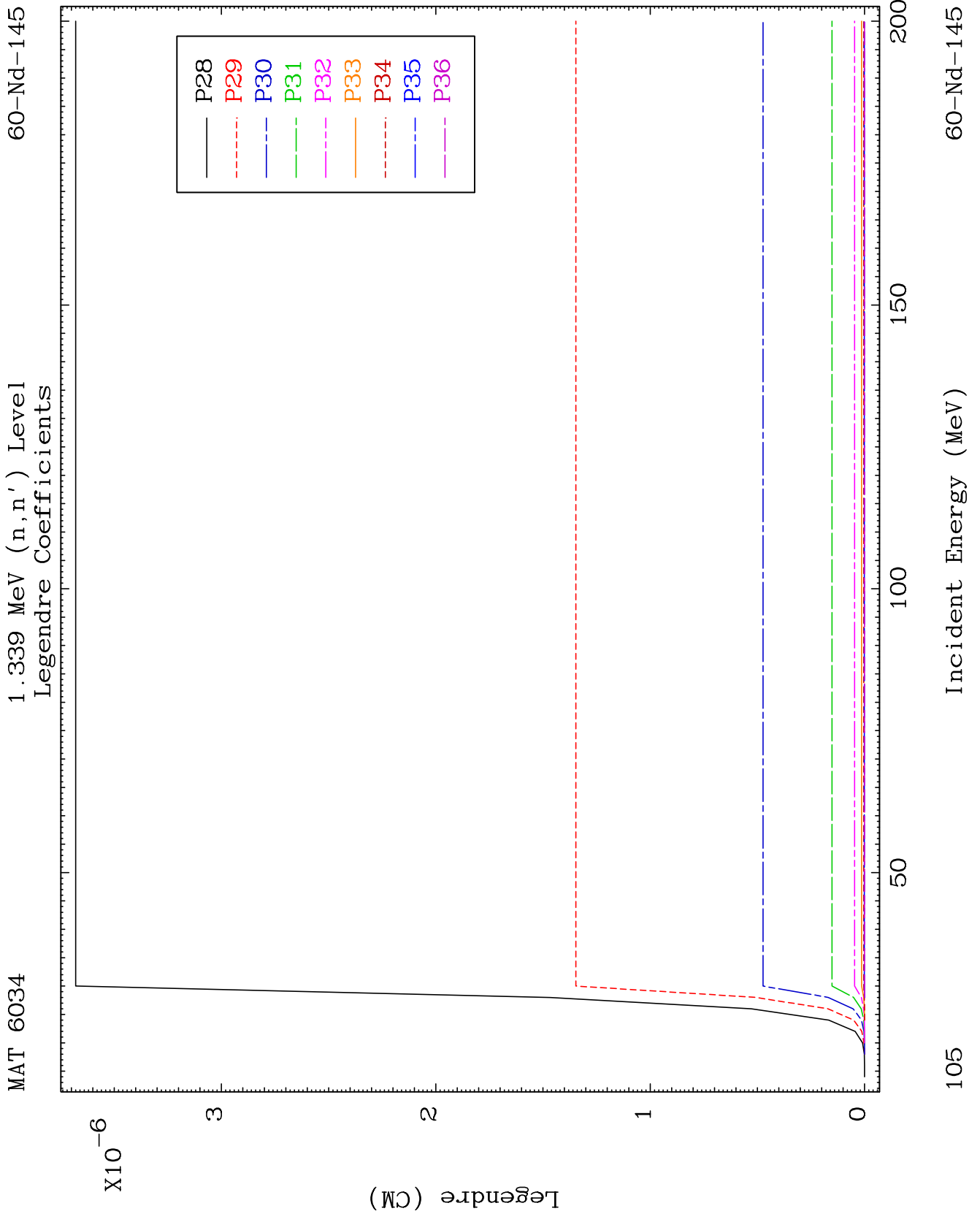
MAT 6034

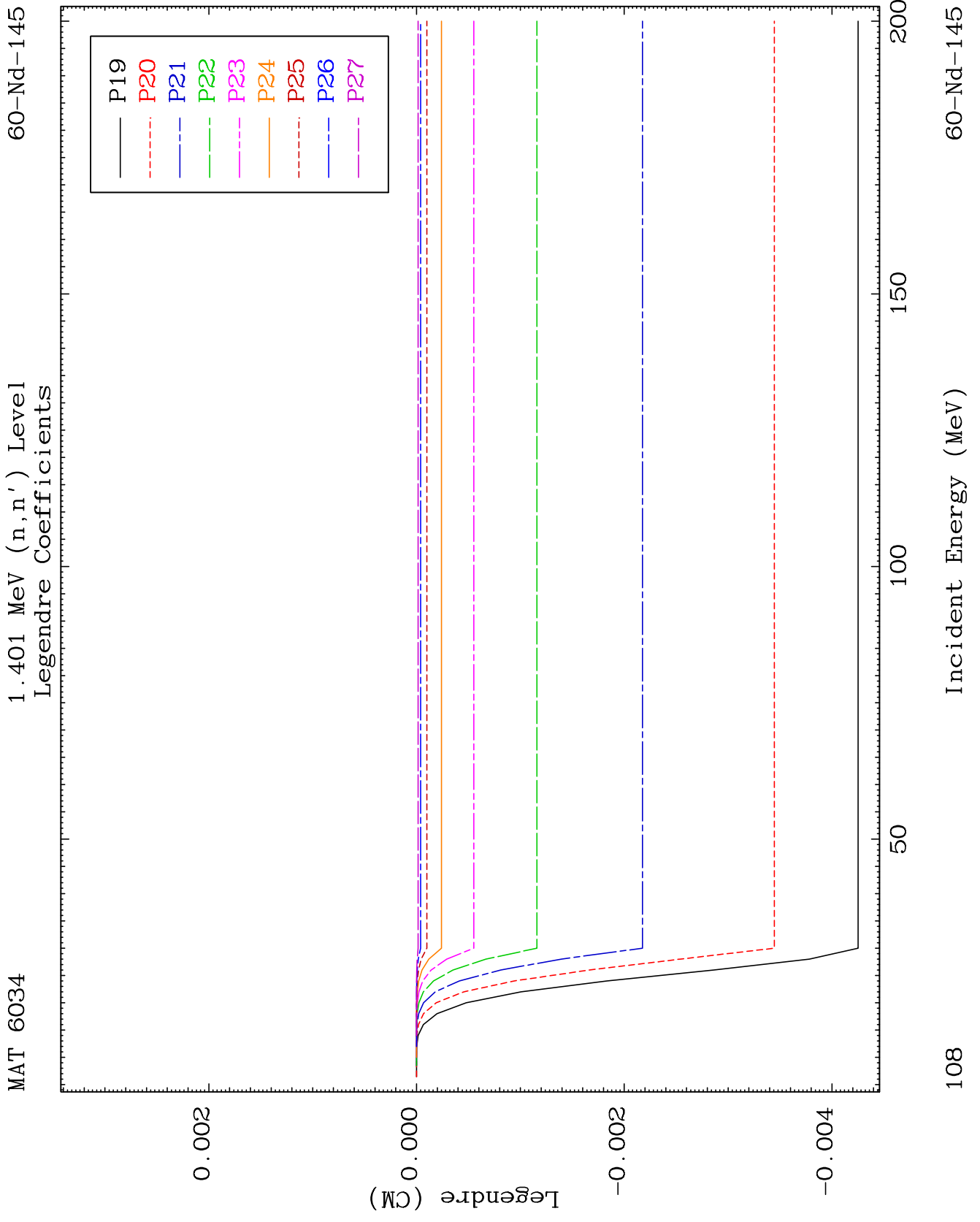
1.339 MeV (n,n') Level
Legendre Coefficients

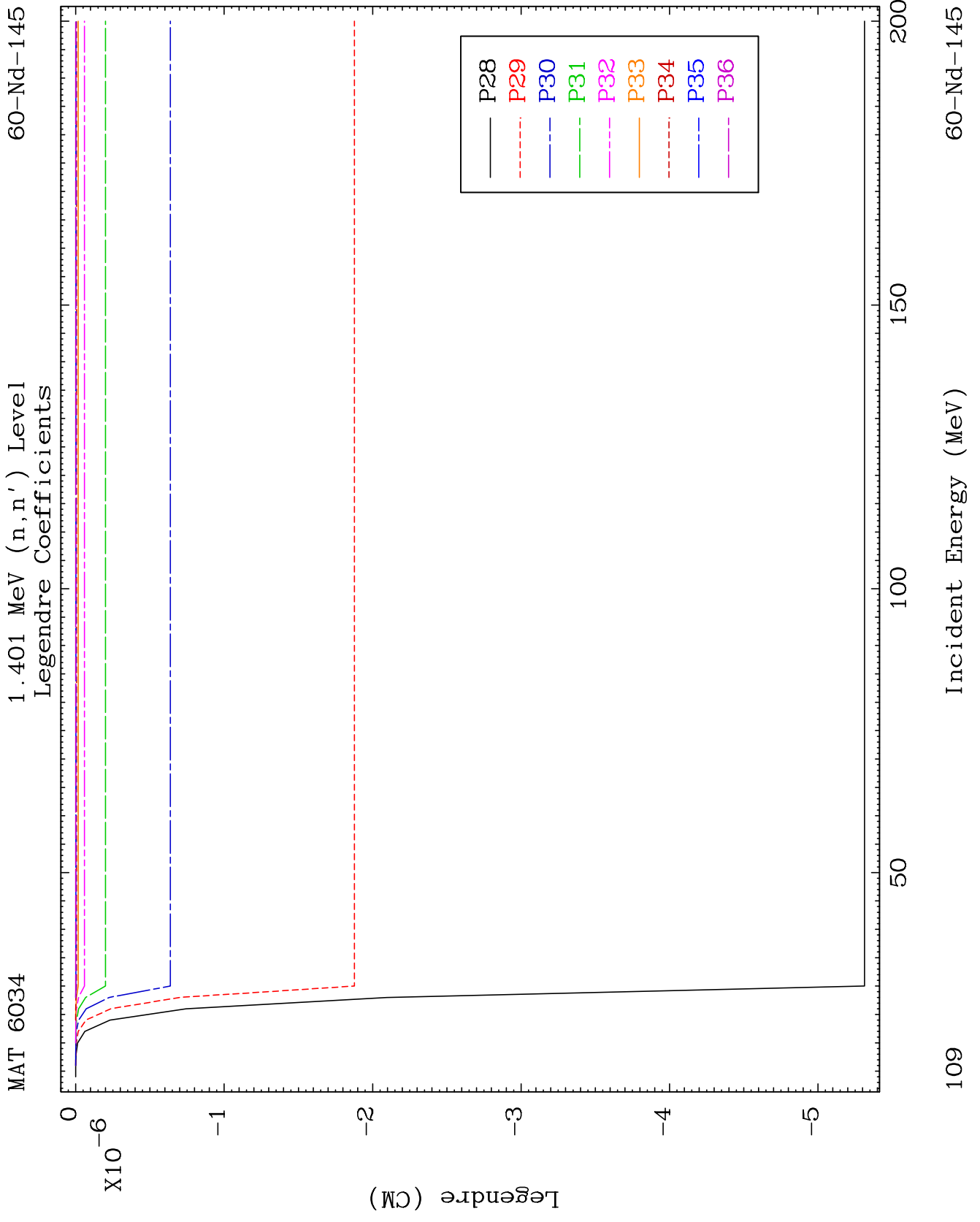
60-Nd-145

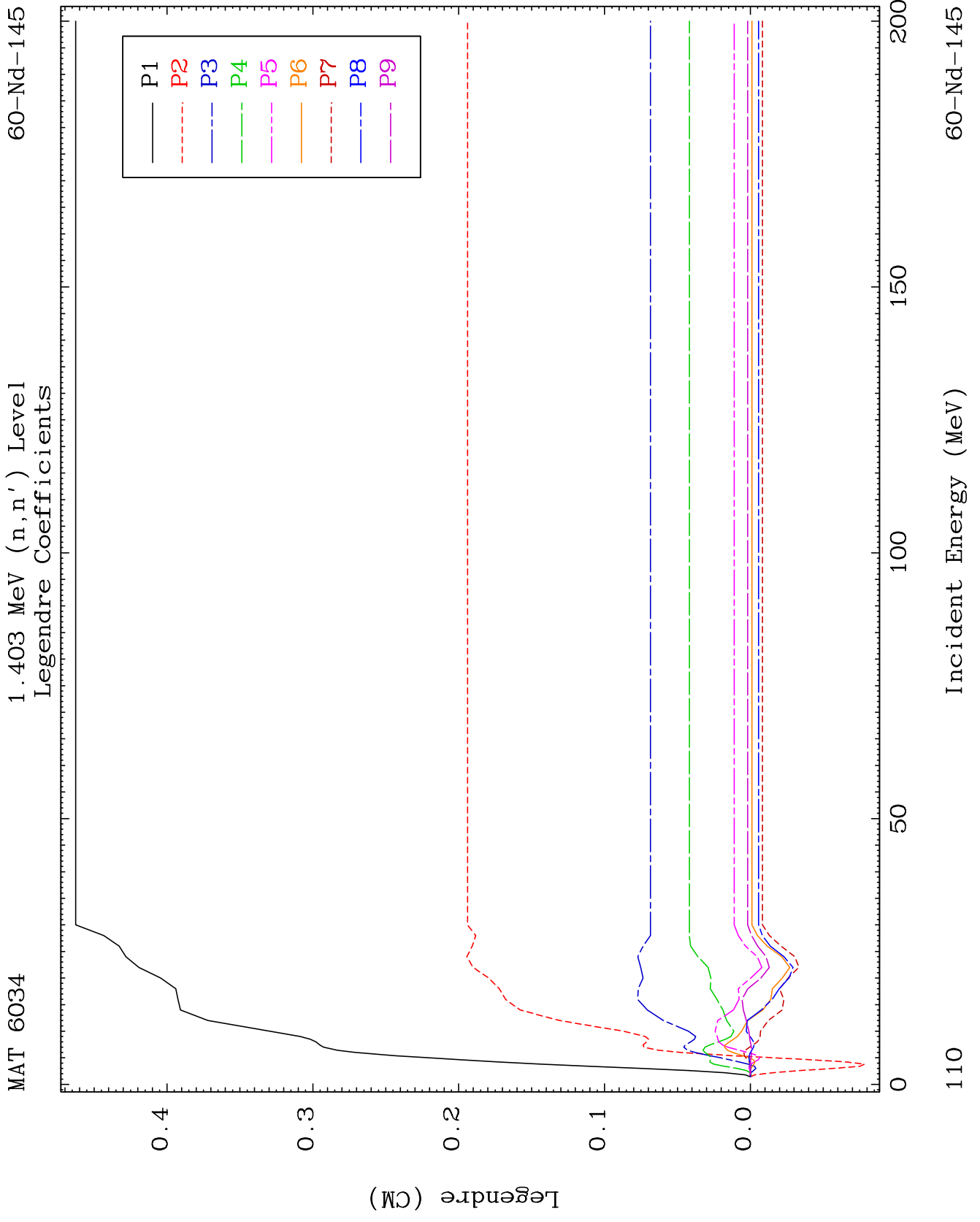


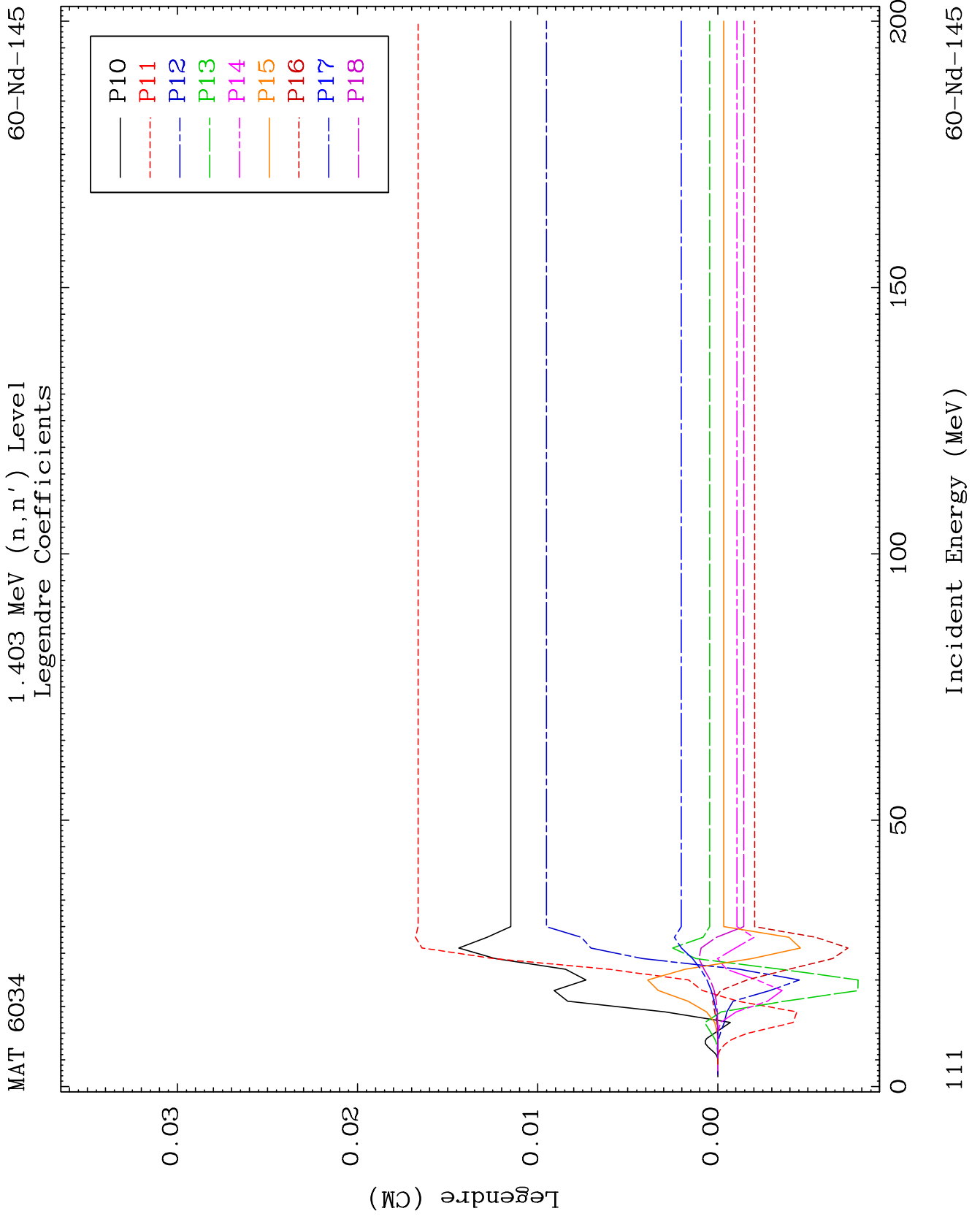
104







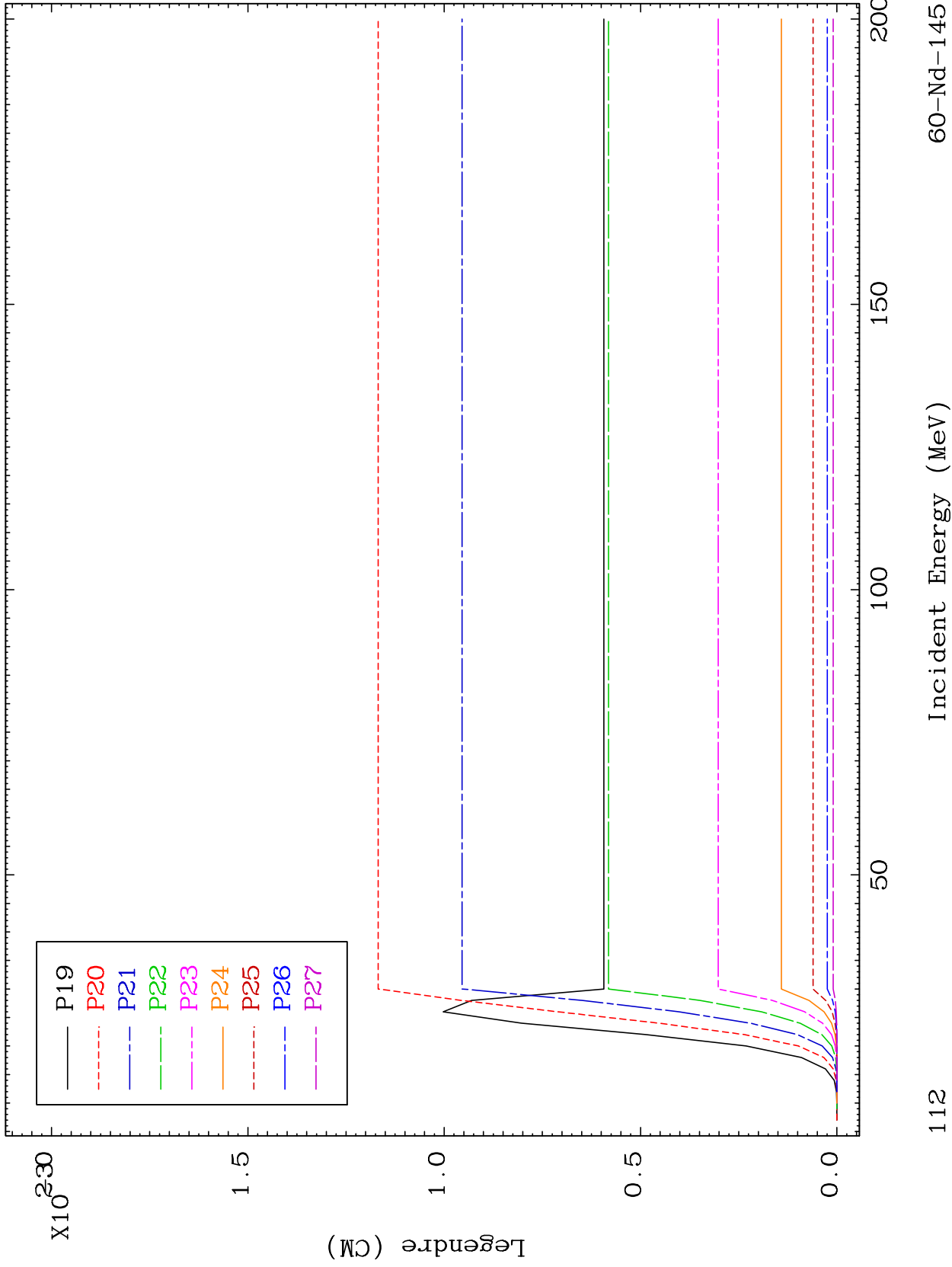




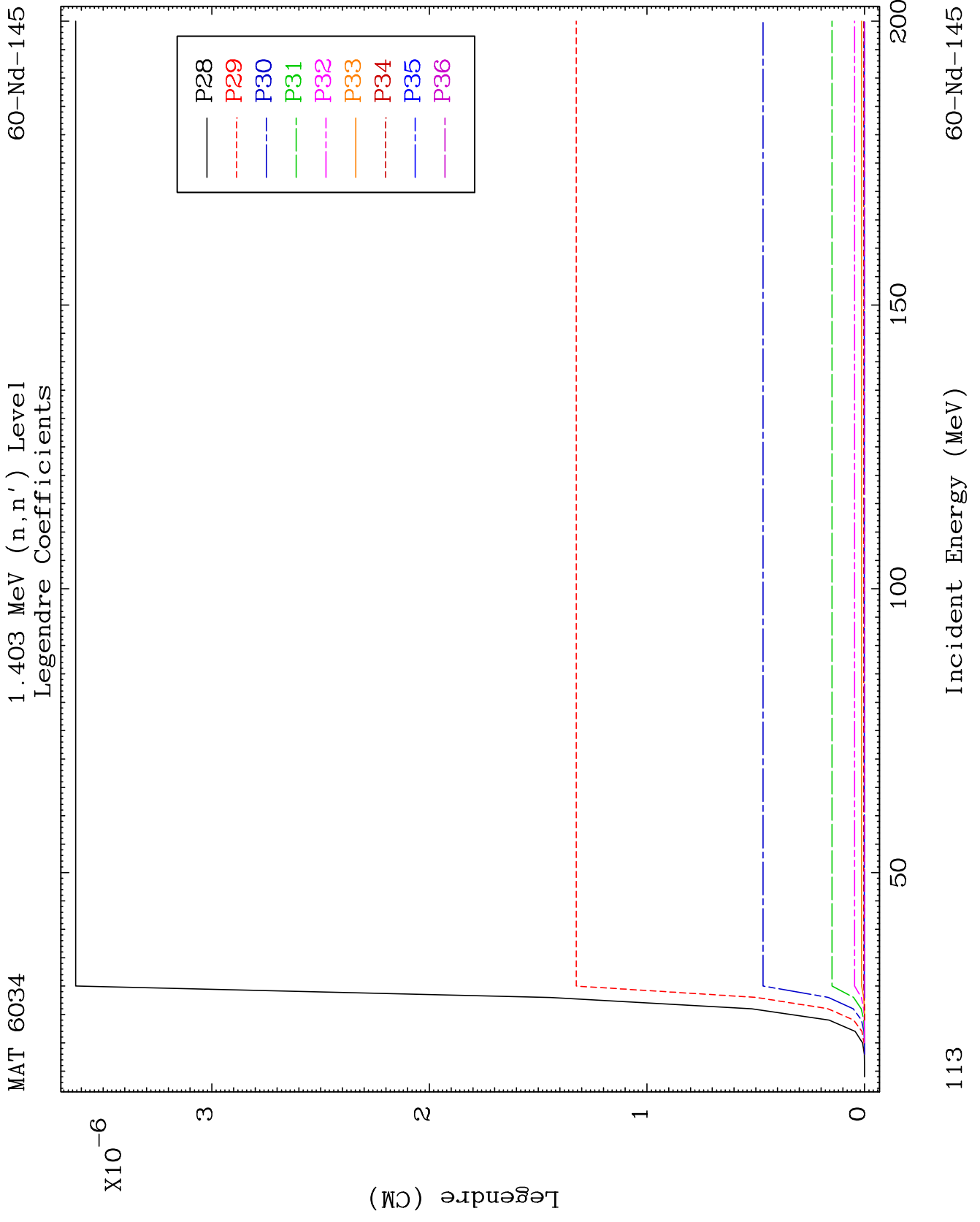
MAT 6034

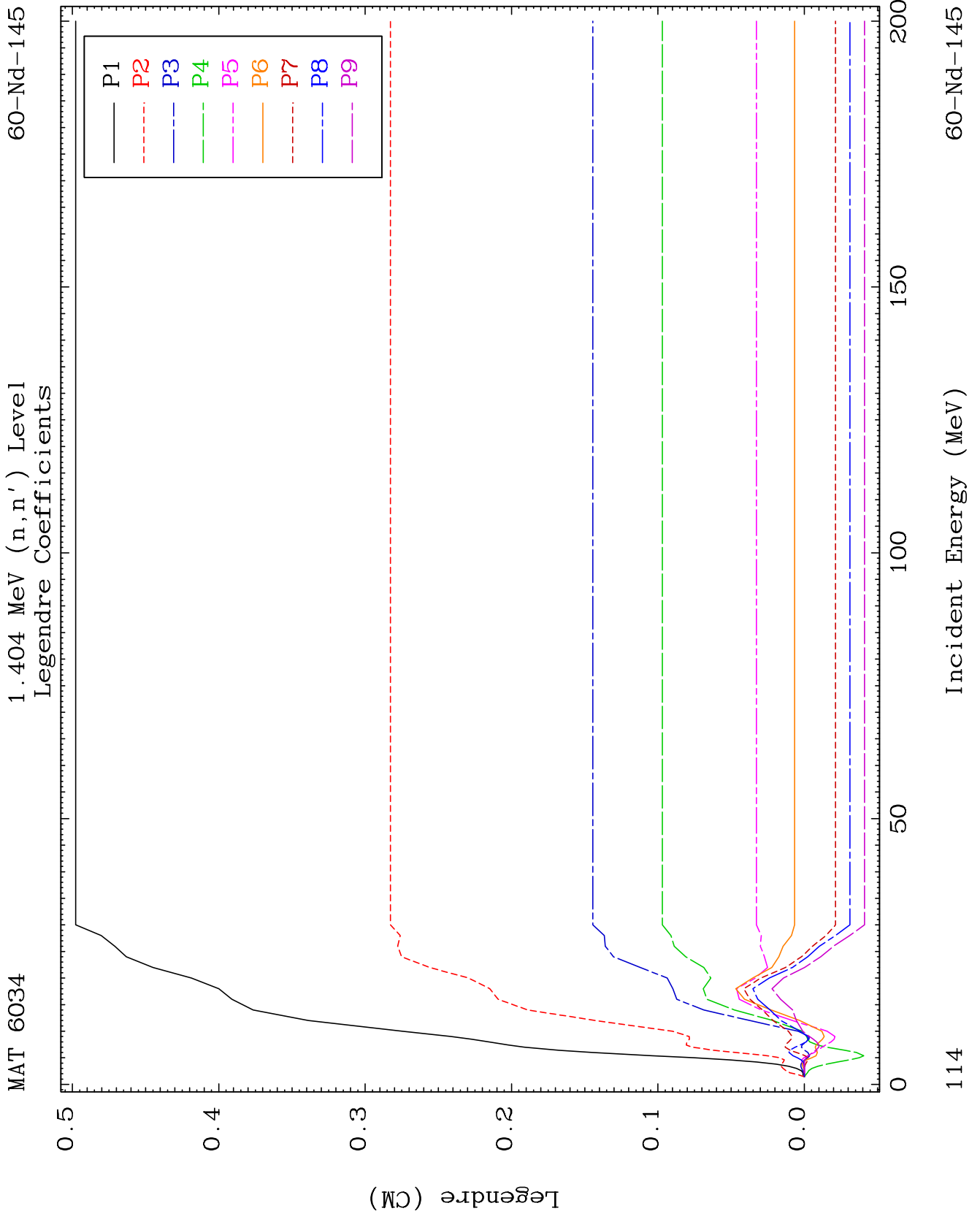
1.403 MeV (n,n') Level
Legendre Coefficients

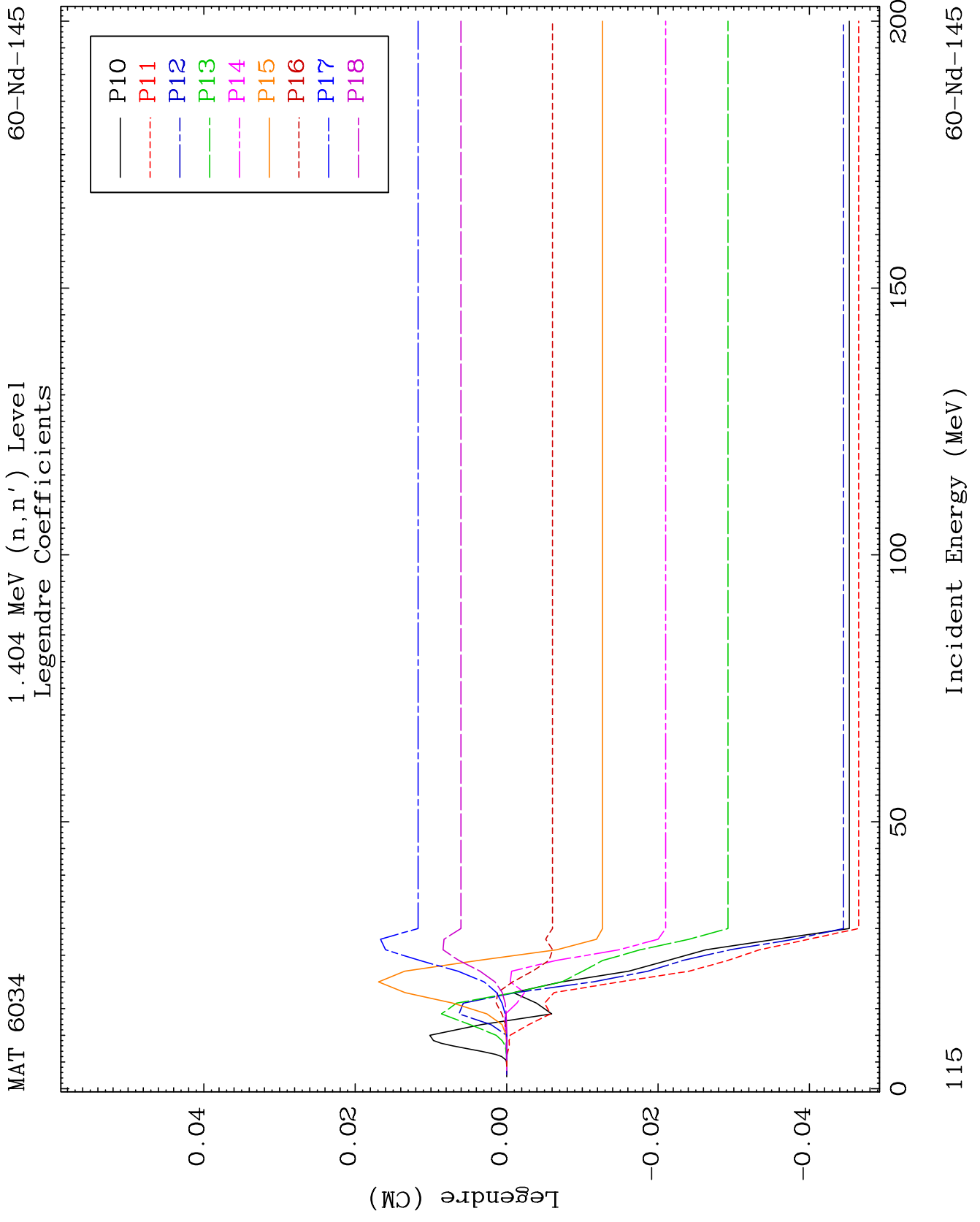
60-Nd-145



112



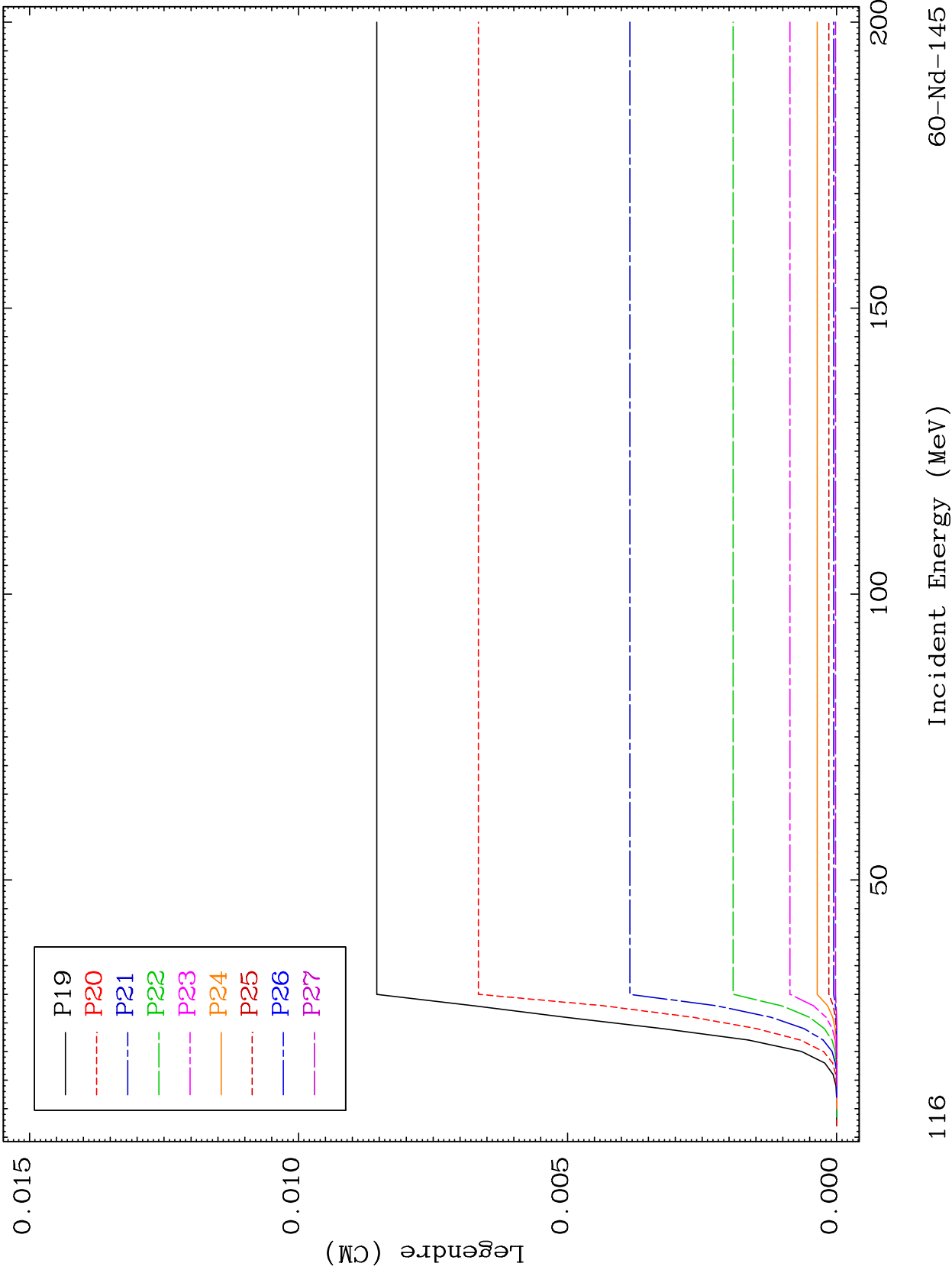




MAT 6034

1.404 MeV (n,n') Level
Legendre Coefficients

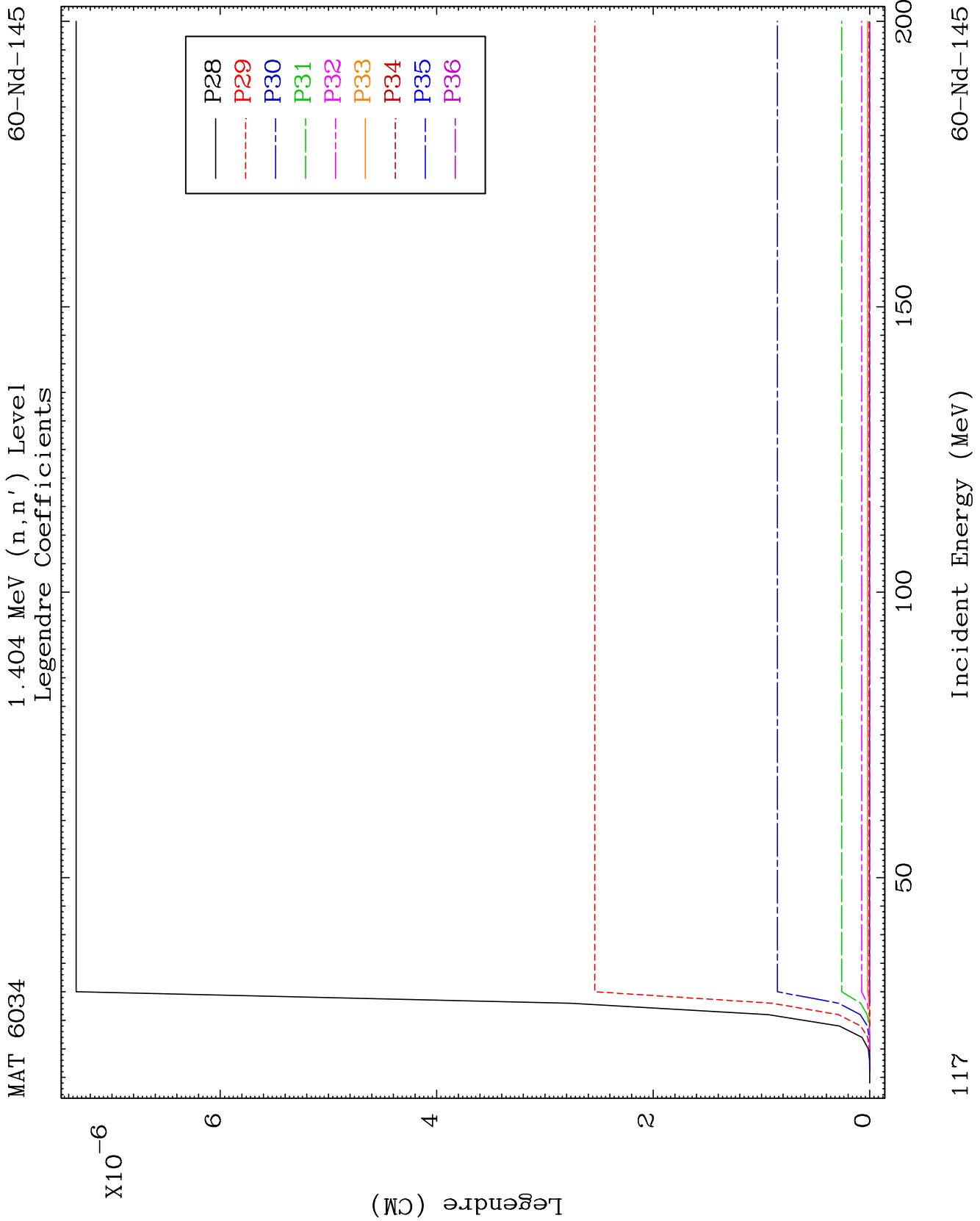
60-Nd-145

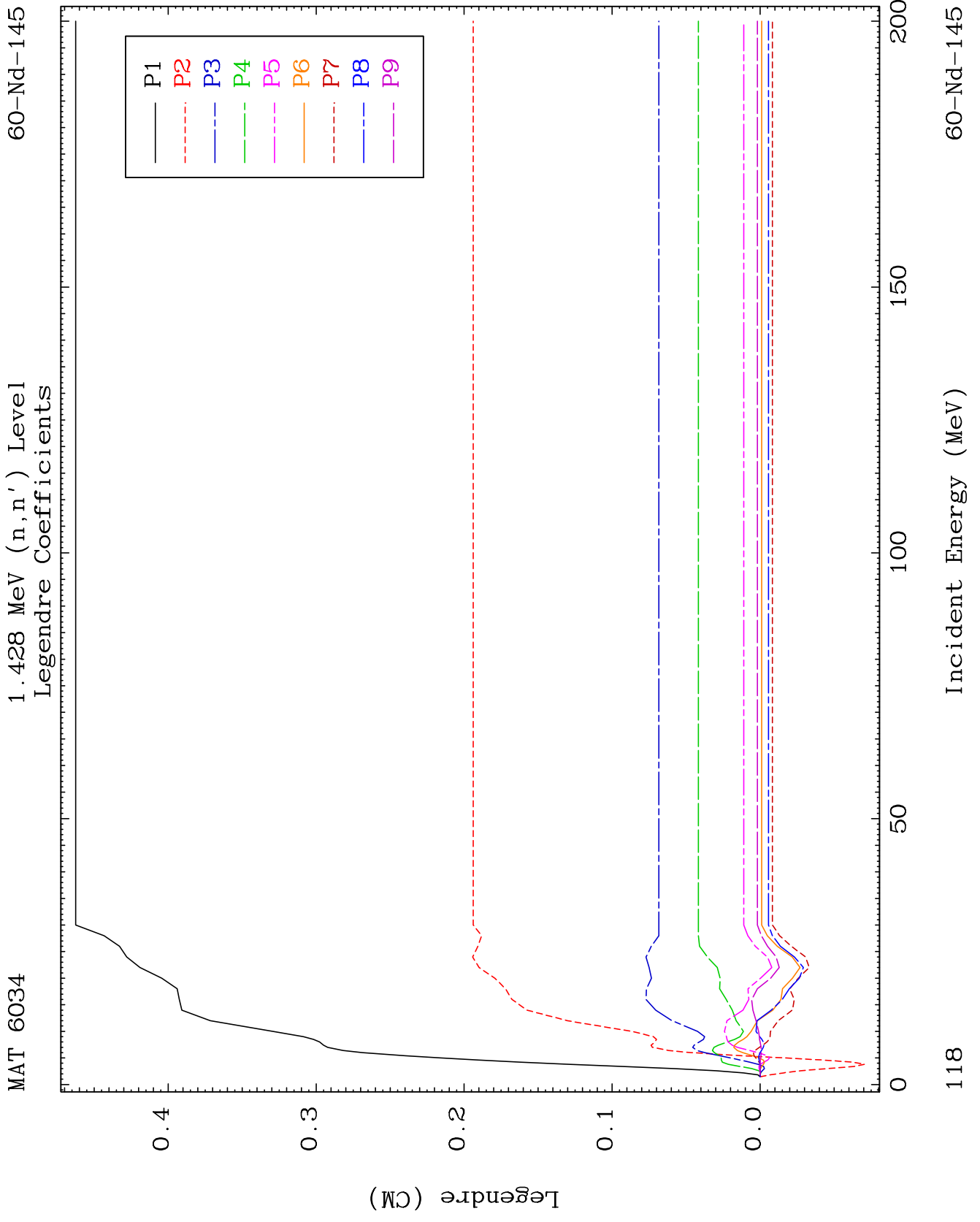


116

Incident Energy (MeV)

60-Nd-145

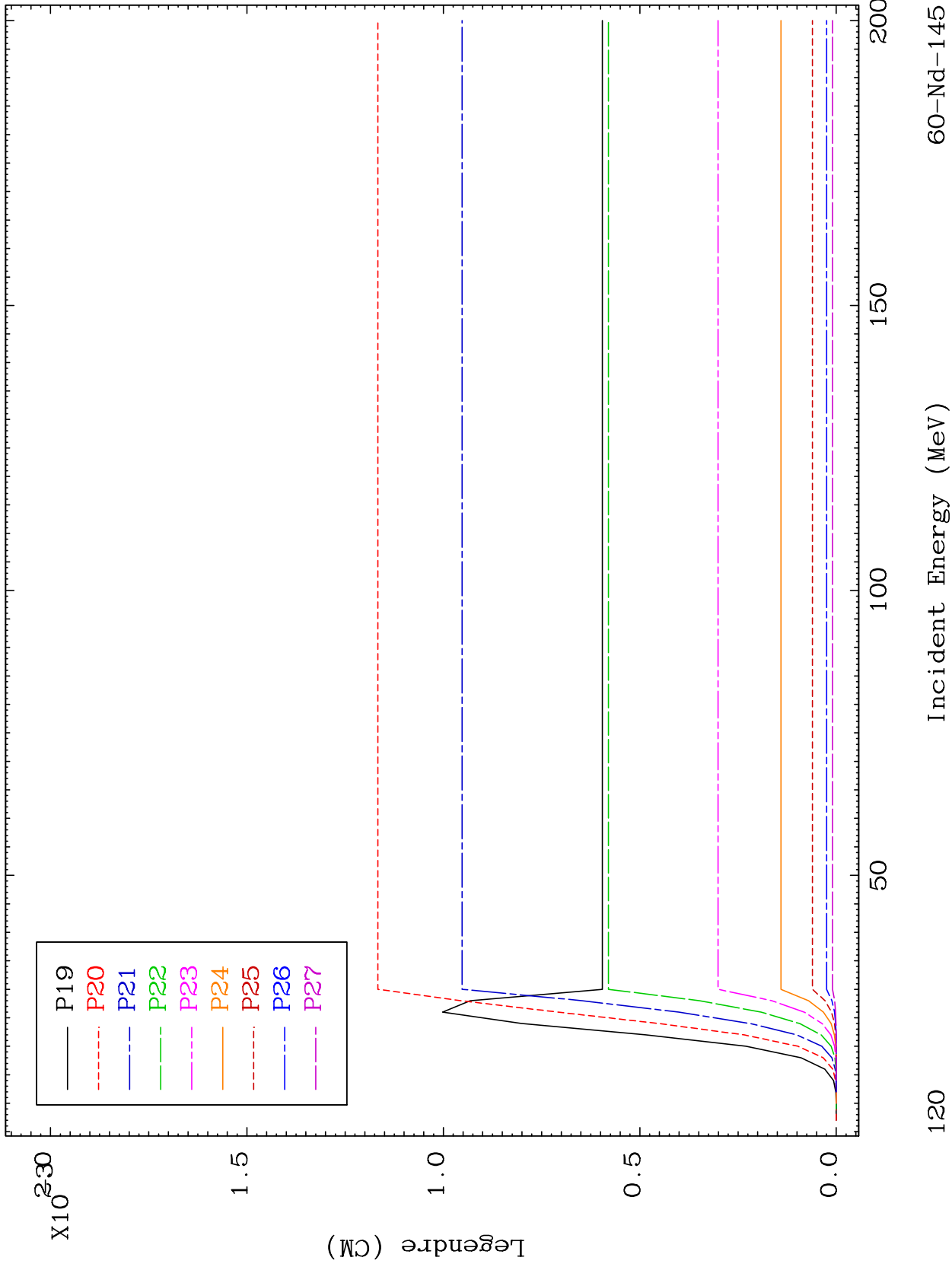




MAT 6034

1.428 MeV (n,n') Level
Legendre Coefficients

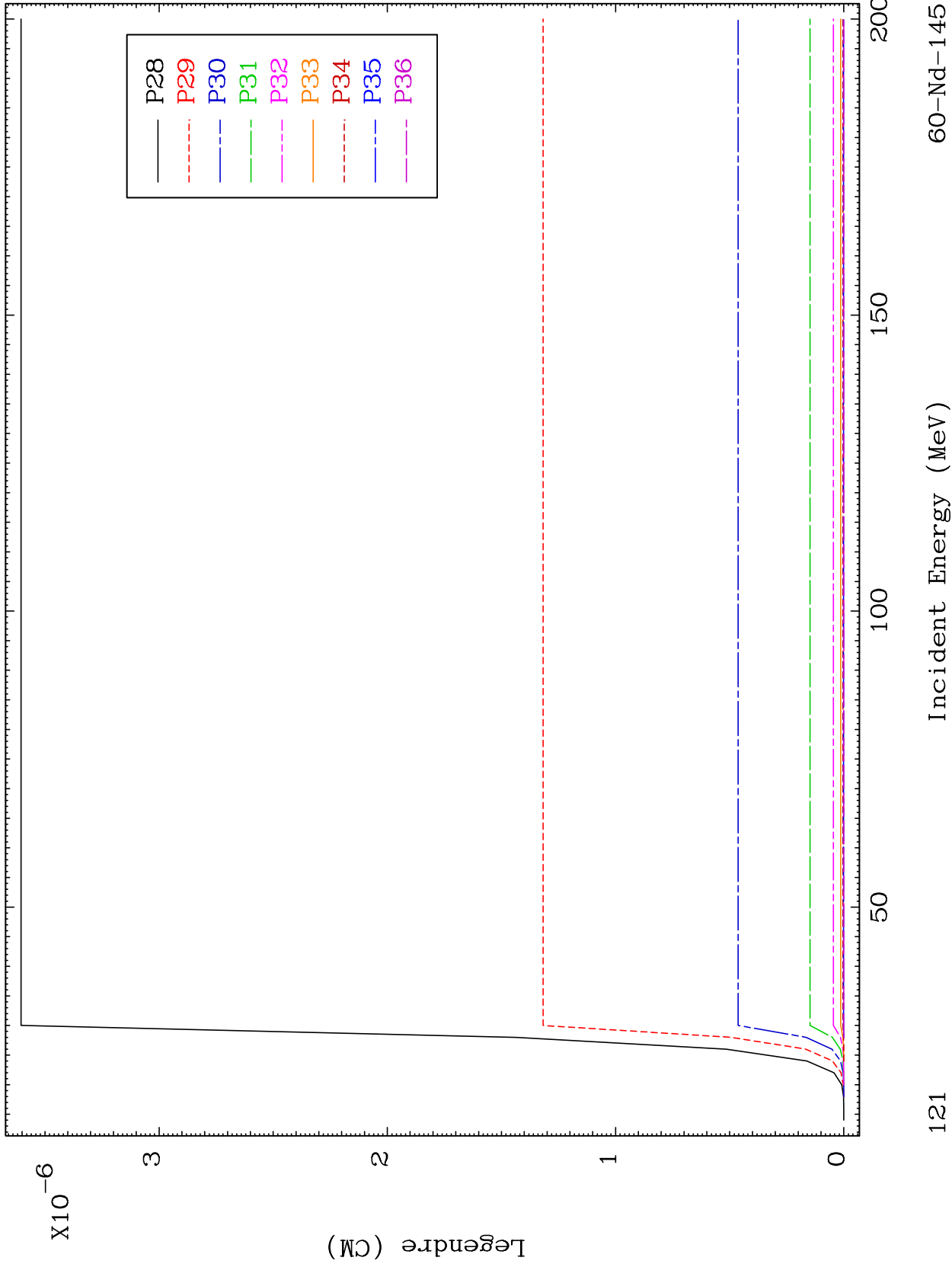
60-Nd-145



MAT 6034

1.428 MeV (n,n') Level
Legendre Coefficients

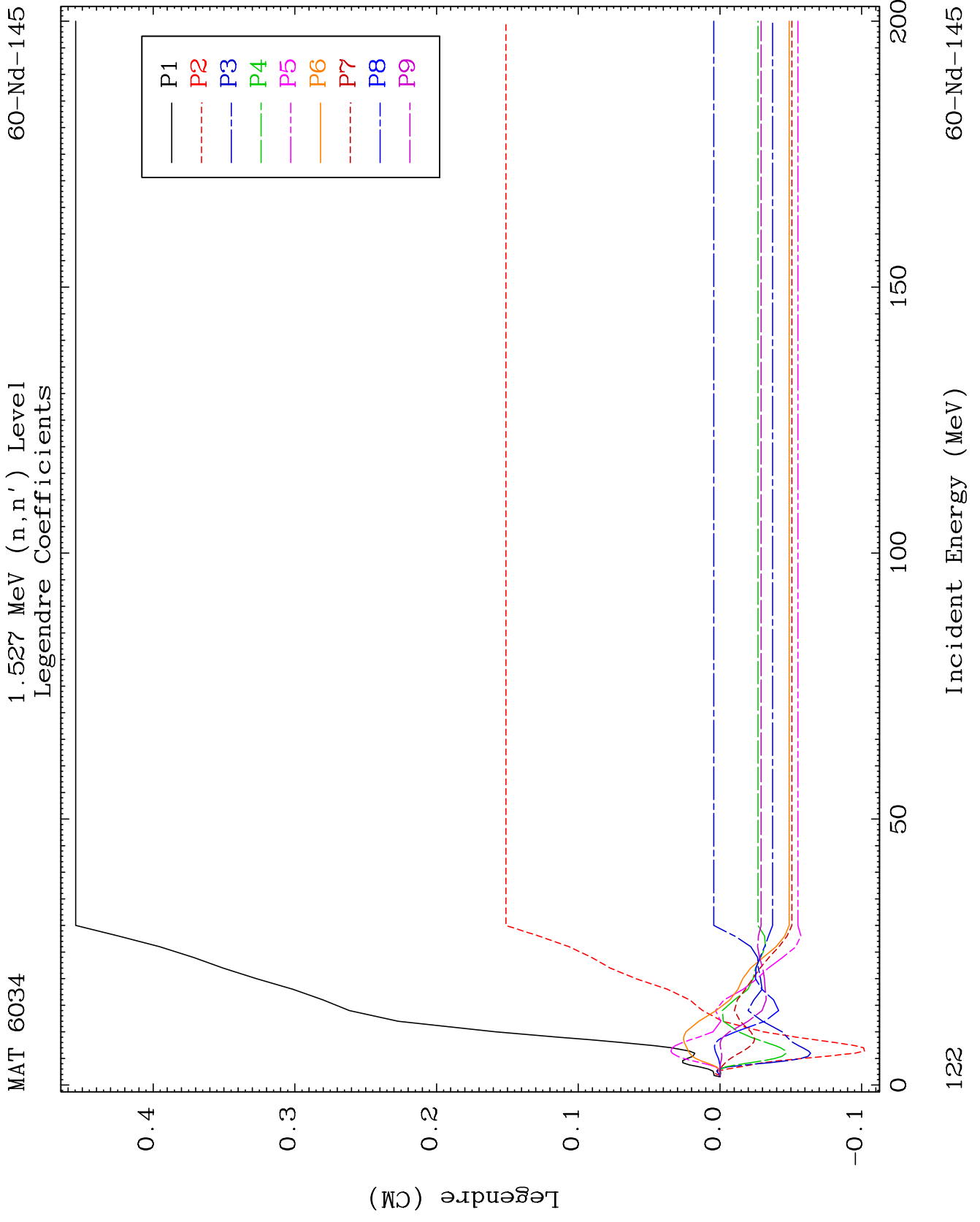
60-Nd-145



121

Incident Energy (MeV)

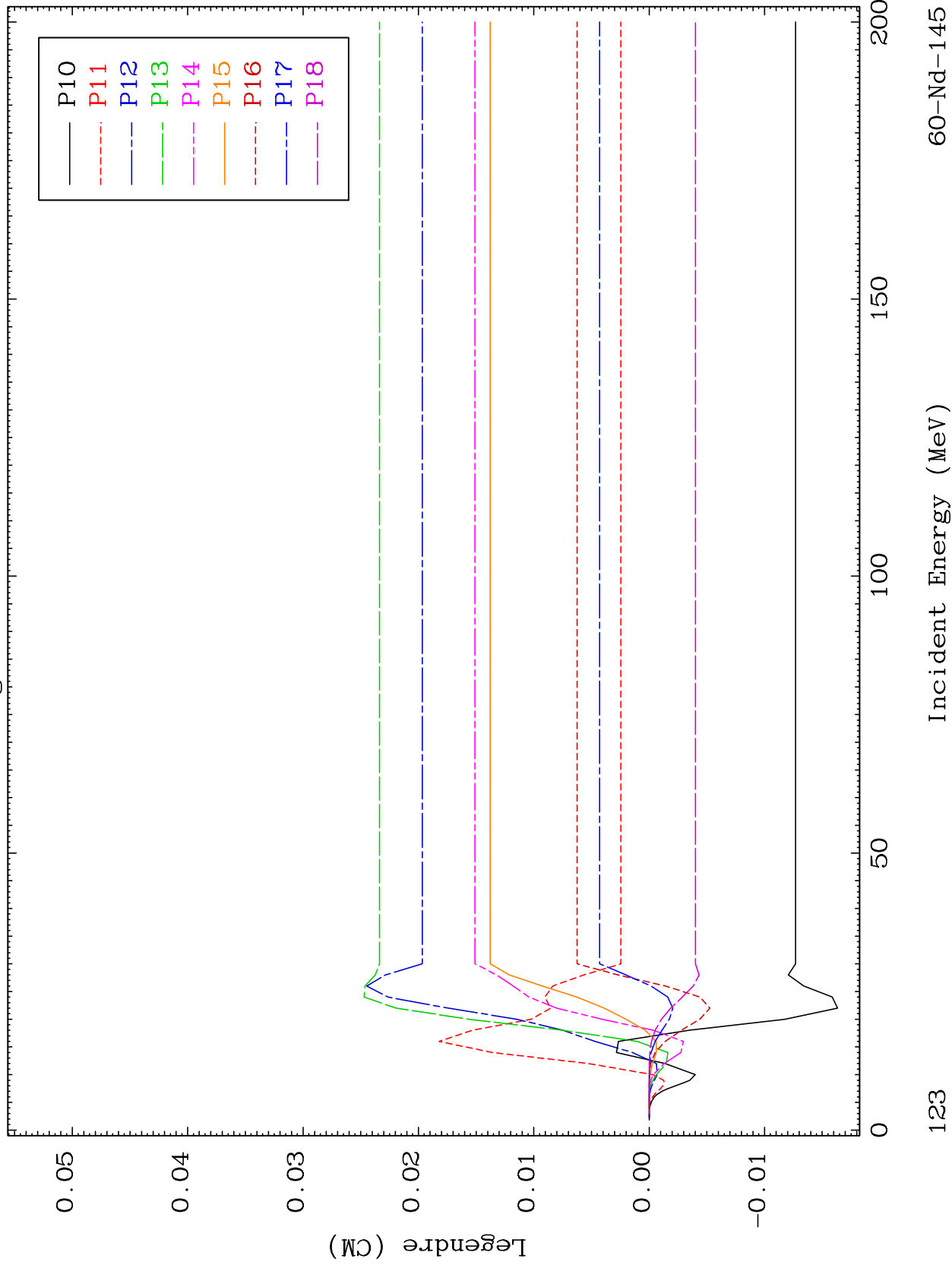
60-Nd-145



MAT 6034

1.527 MeV (n,n') Level
Legendre Coefficients

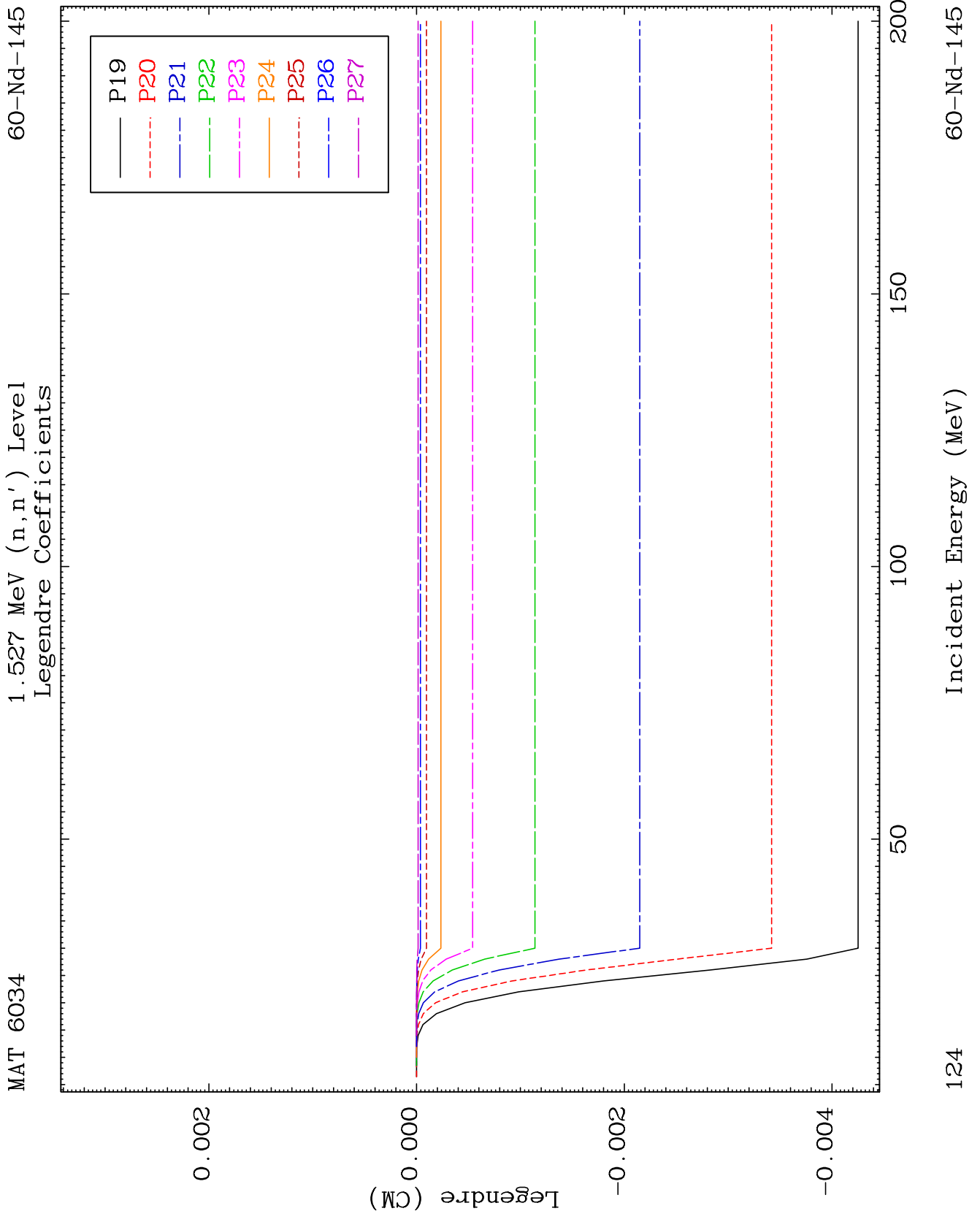
60-Nd-145

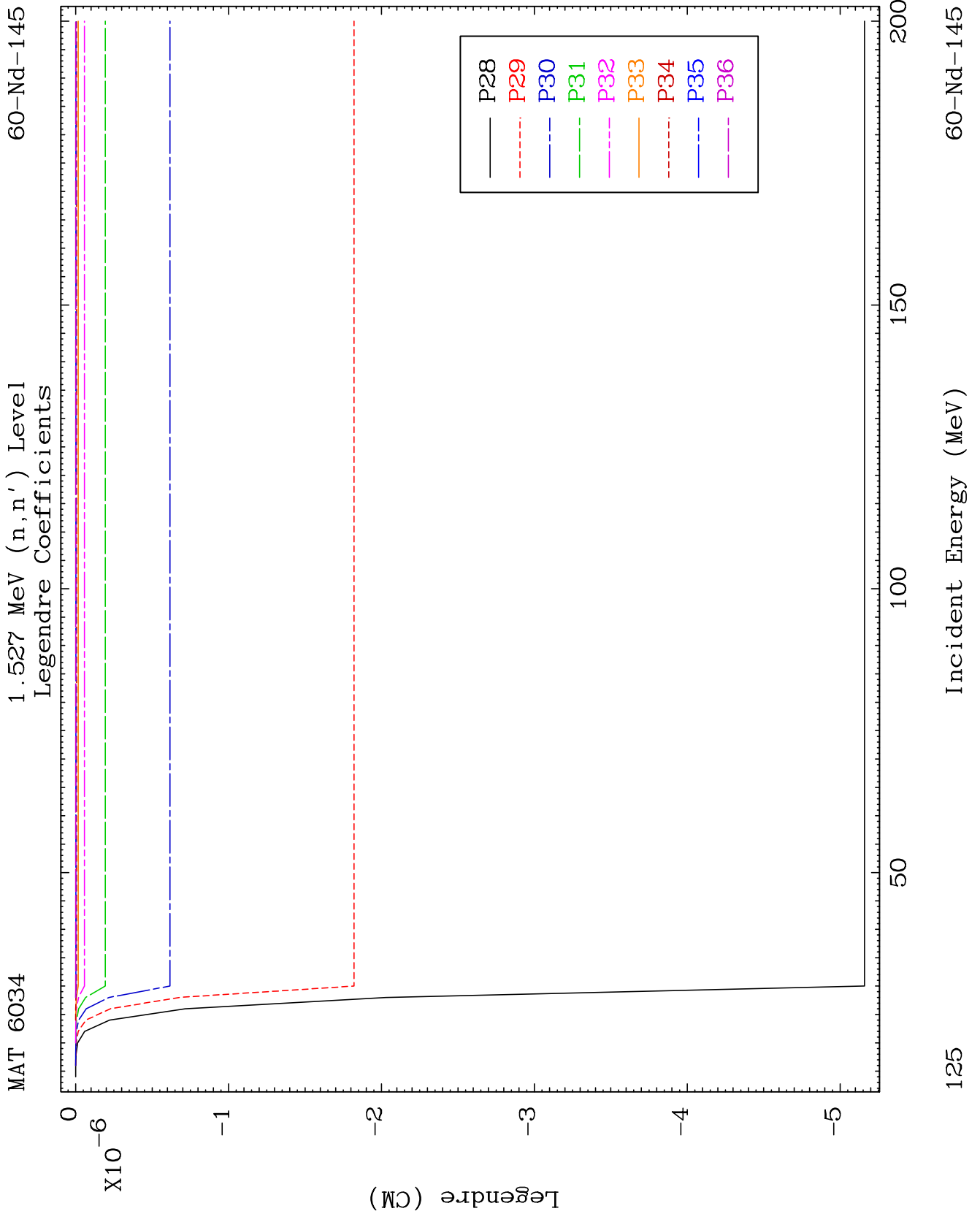


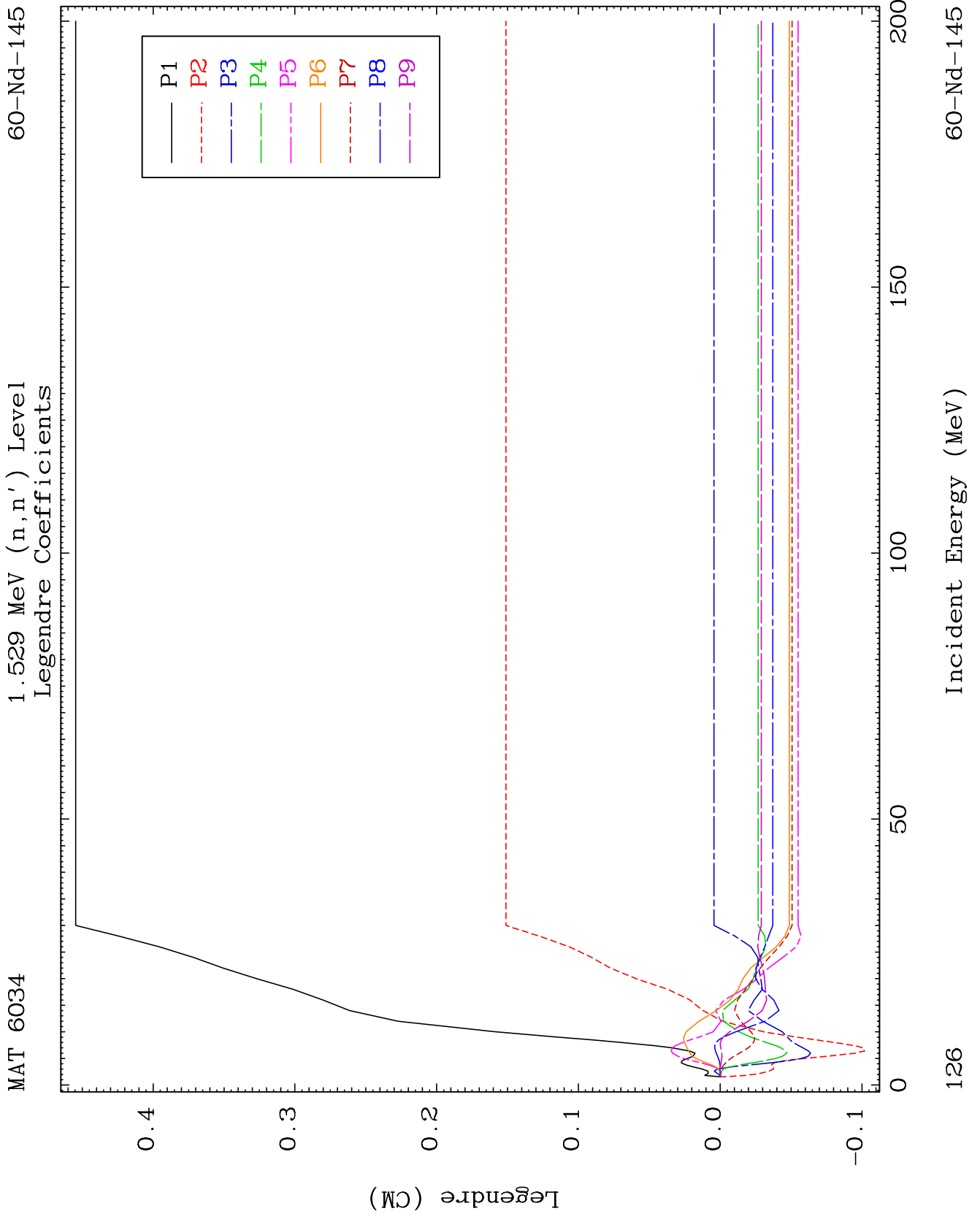
123

Incident Energy (MeV)

60-Nd-145



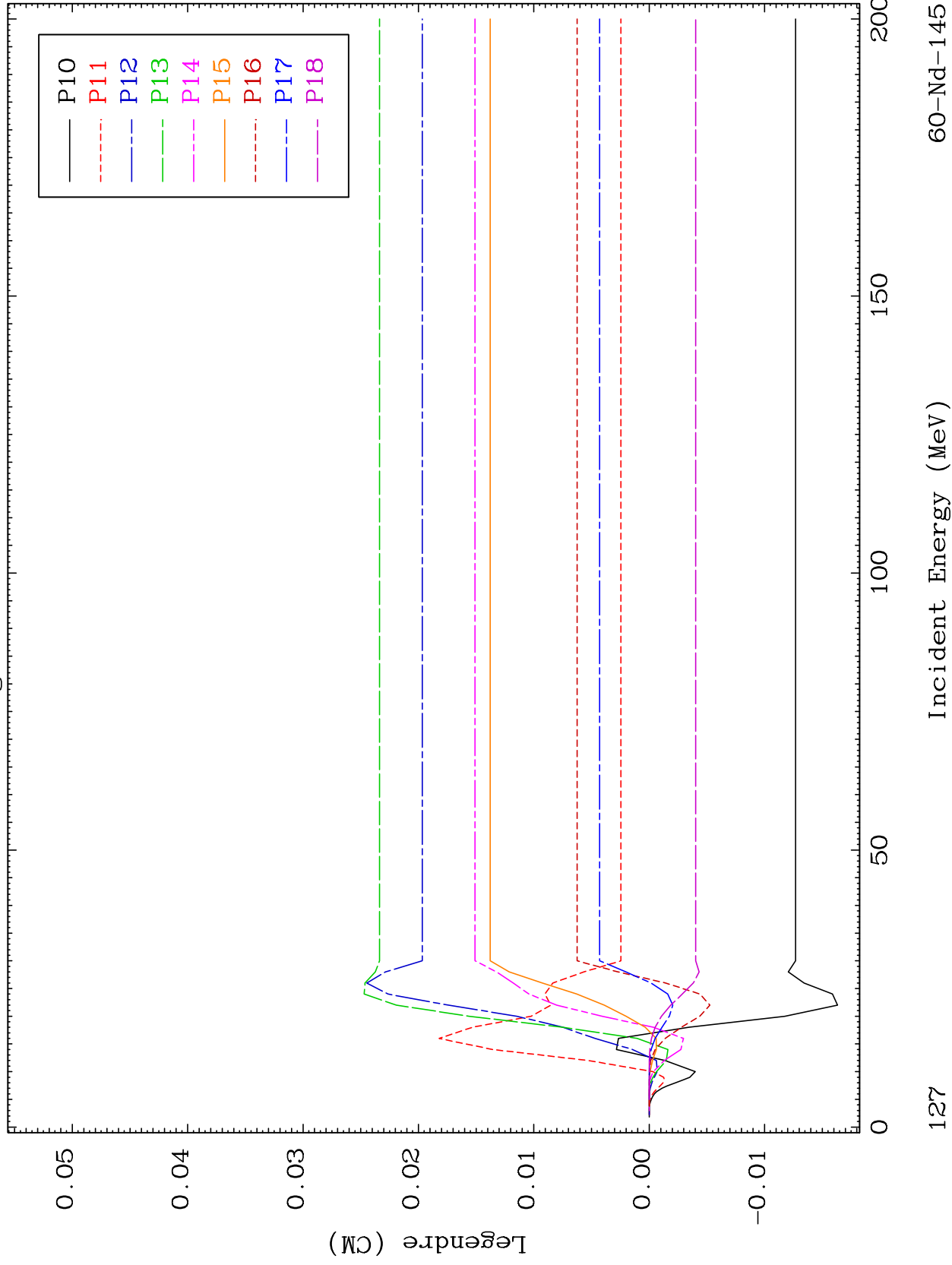




MAT 6034

1.529 MeV (n,n') Level
Legendre Coefficients

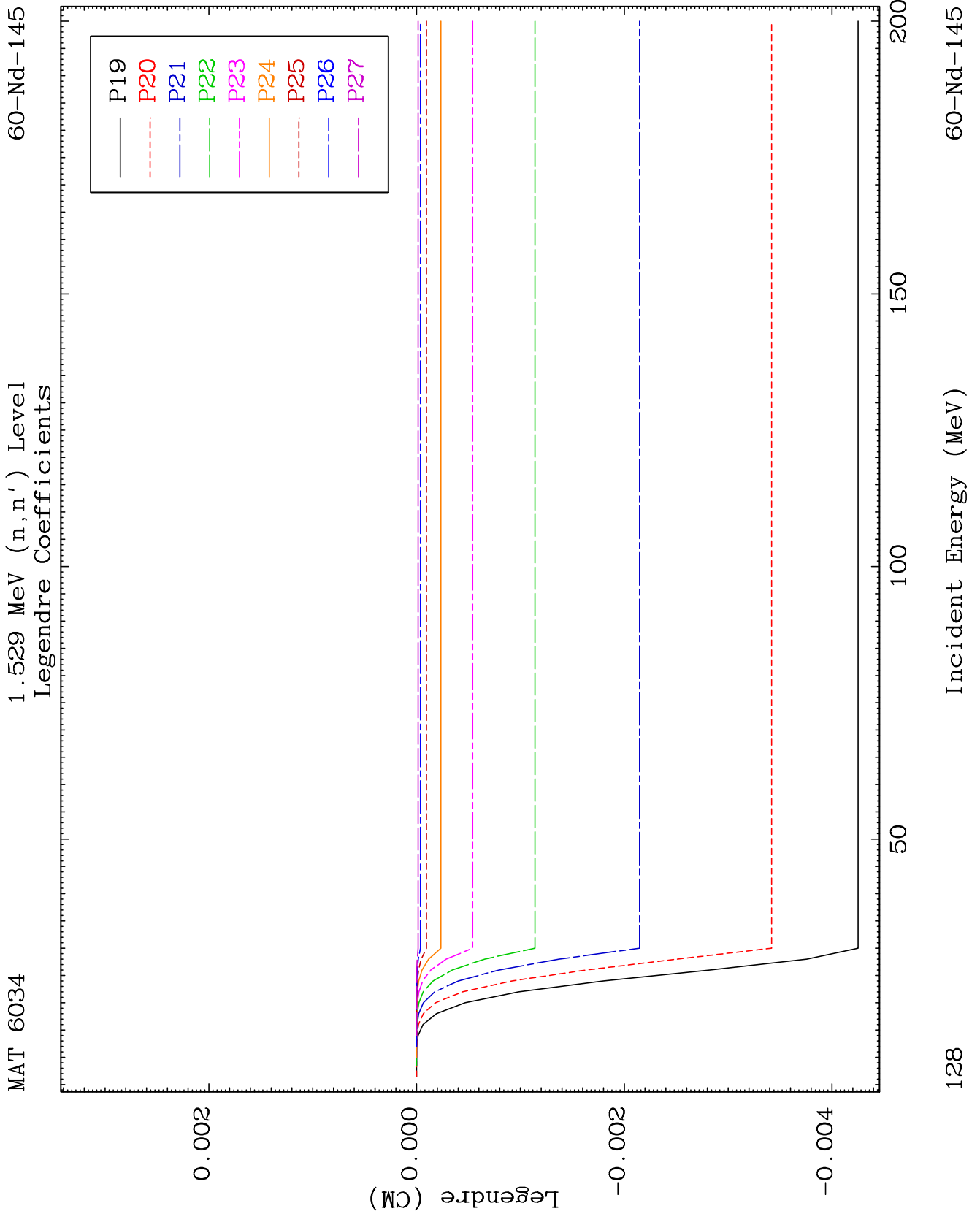
60-Nd-145

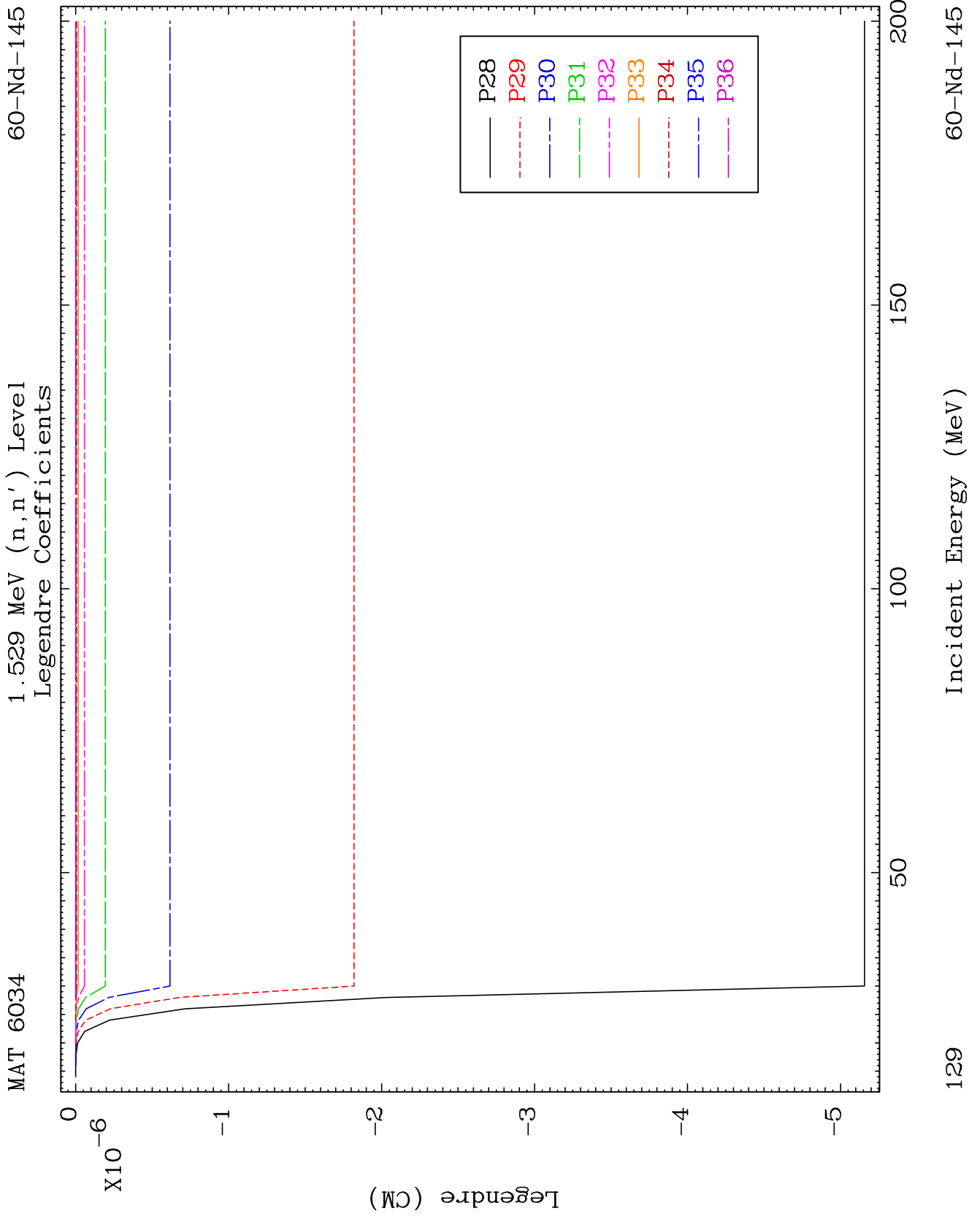


127

Incident Energy (MeV)

60-Nd-145

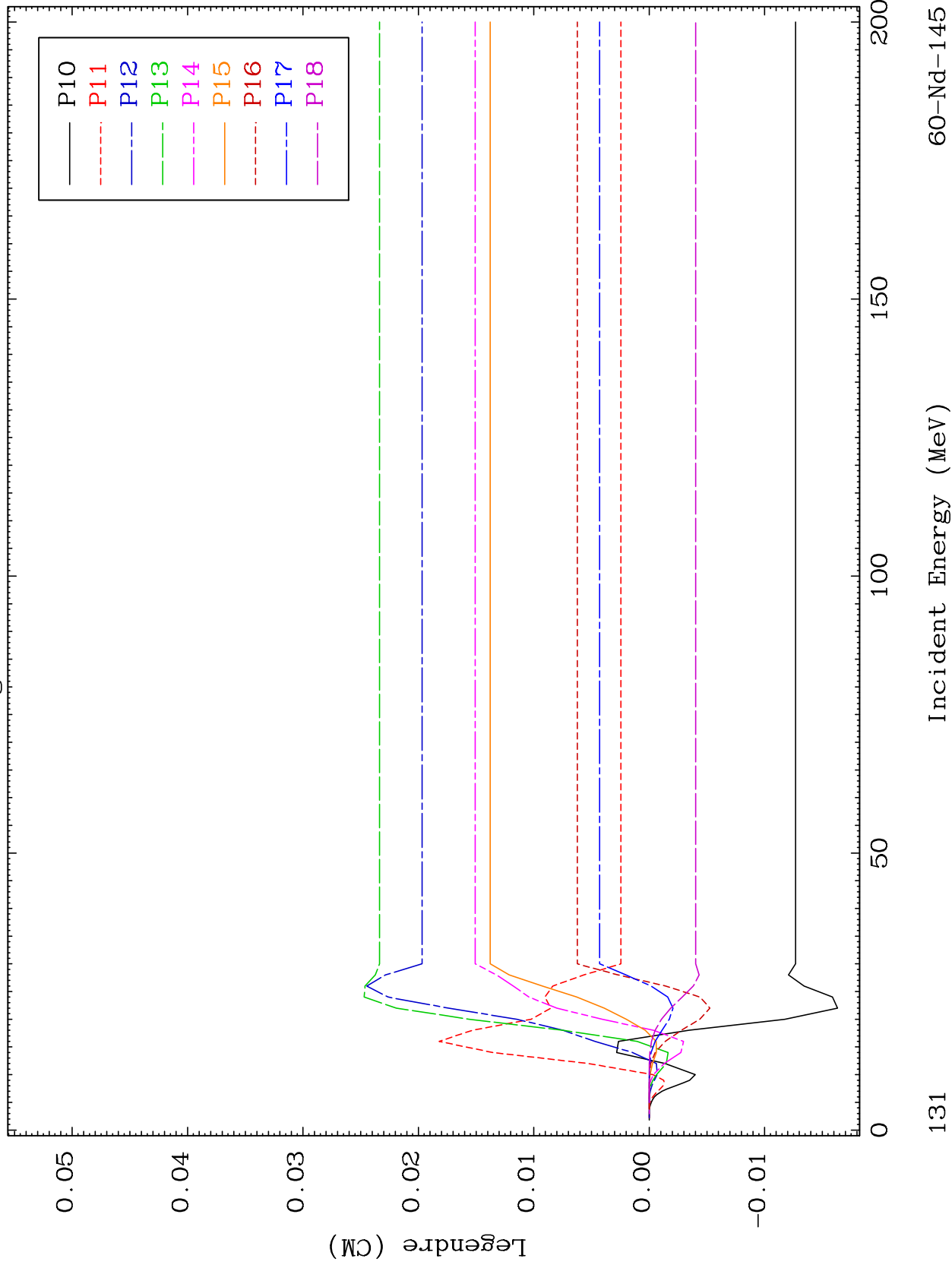




MAT 6034

1.532 MeV (n,n') Level
Legendre Coefficients

60-Nd-145



131

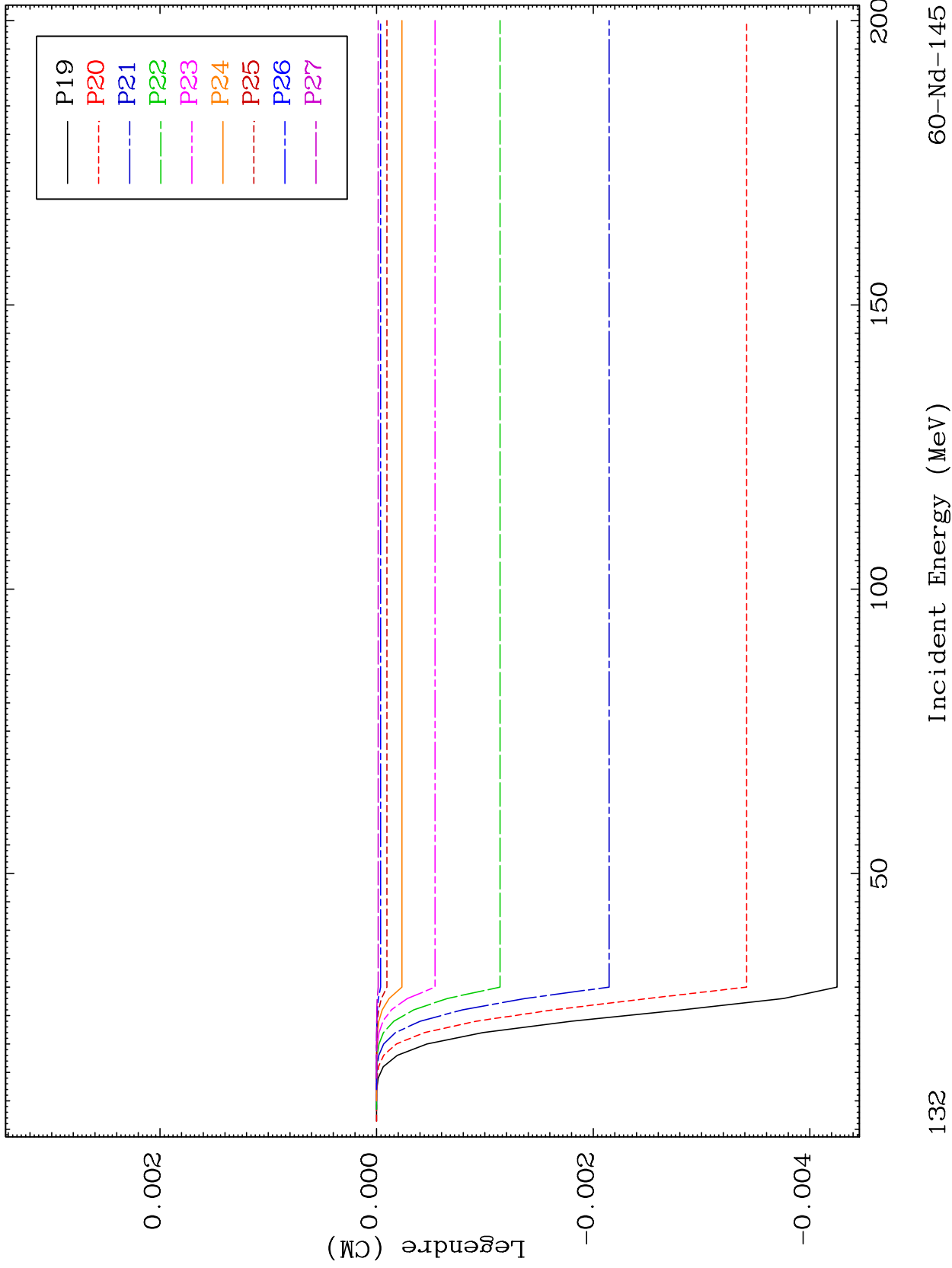
Incident Energy (MeV)

60-Nd-145

MAT 6034

1.532 MeV (n,n') Level
Legendre Coefficients

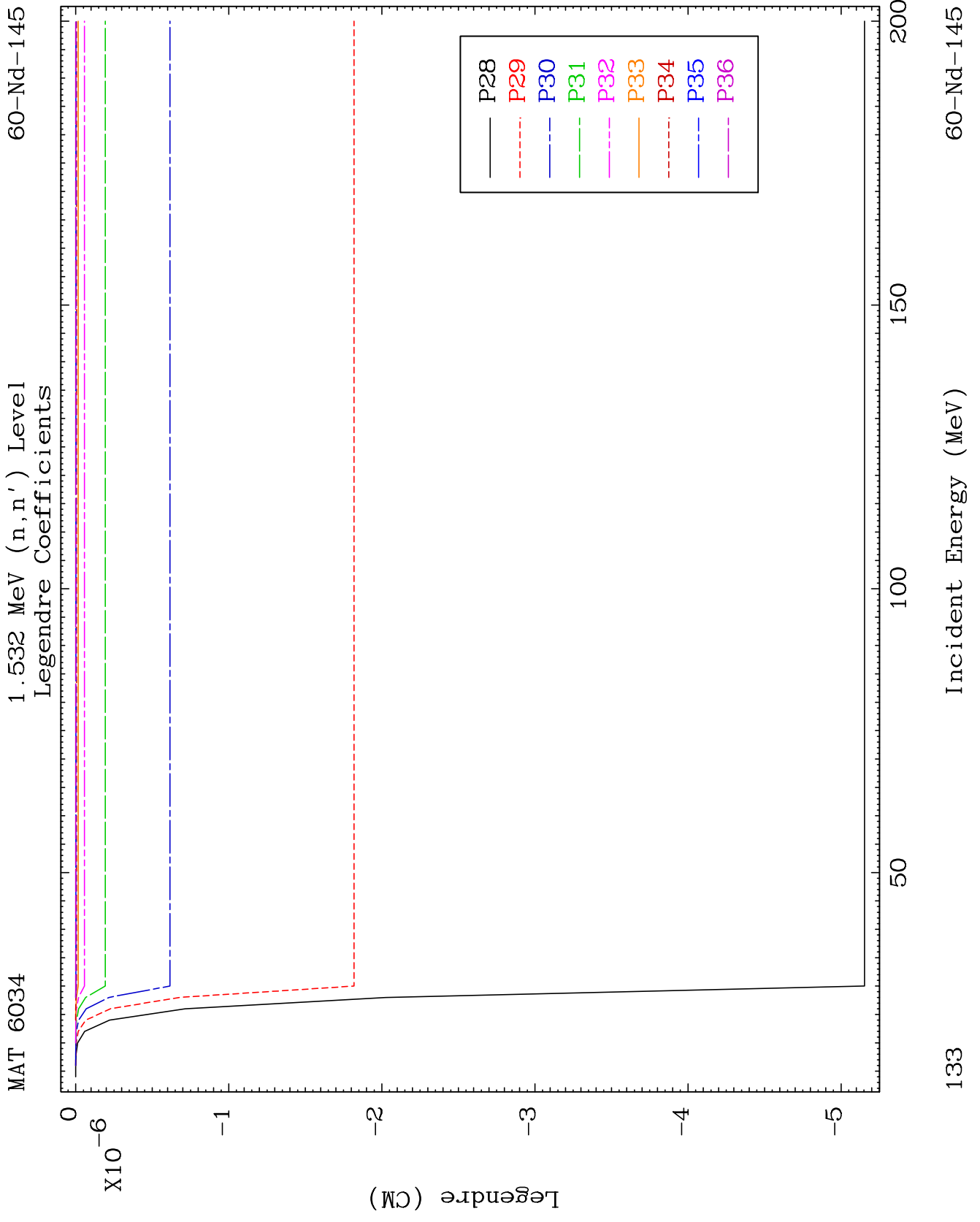
60-Nd-145



132

Incident Energy (MeV)

60-Nd-145

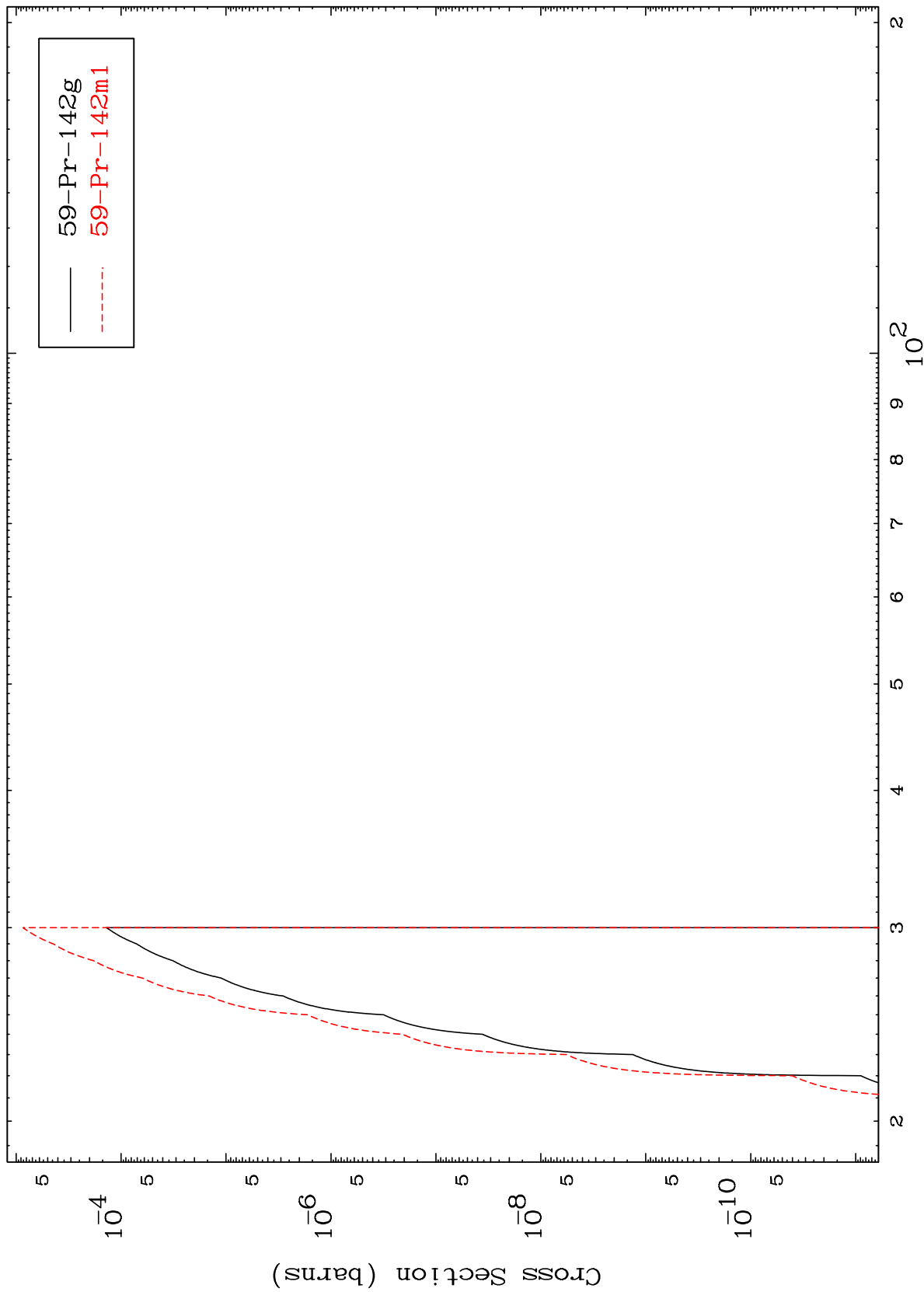


MAT 6034

(n,2n) d

60-Nd-145

Radionuclide Production Cross Section



134

Incident Energy (MeV)

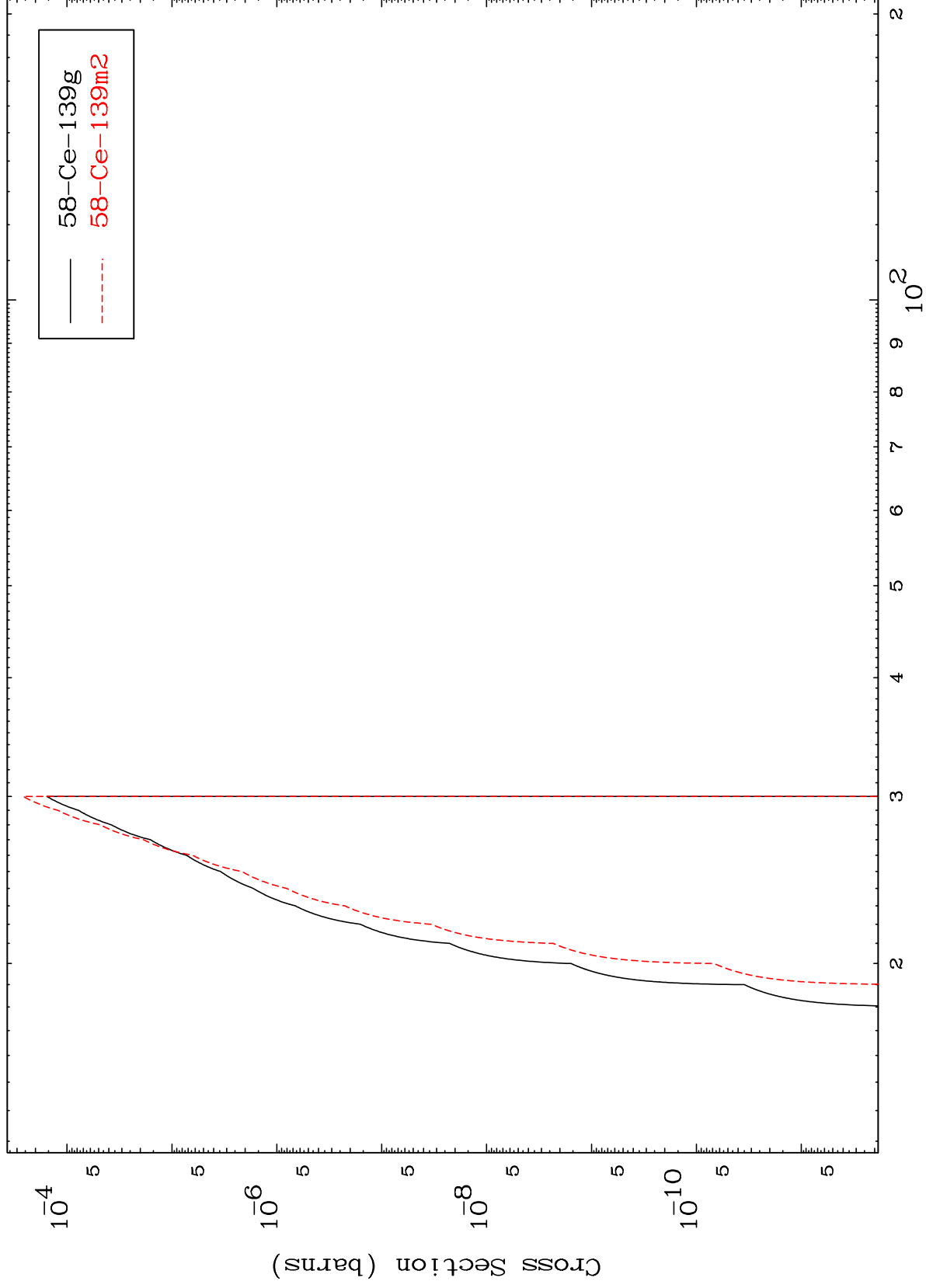
60-Nd-145

MAT 6034

$(n,3n) \alpha$

60-Nd-145

Radionuclide Production Cross Section



135

Incident Energy (MeV)

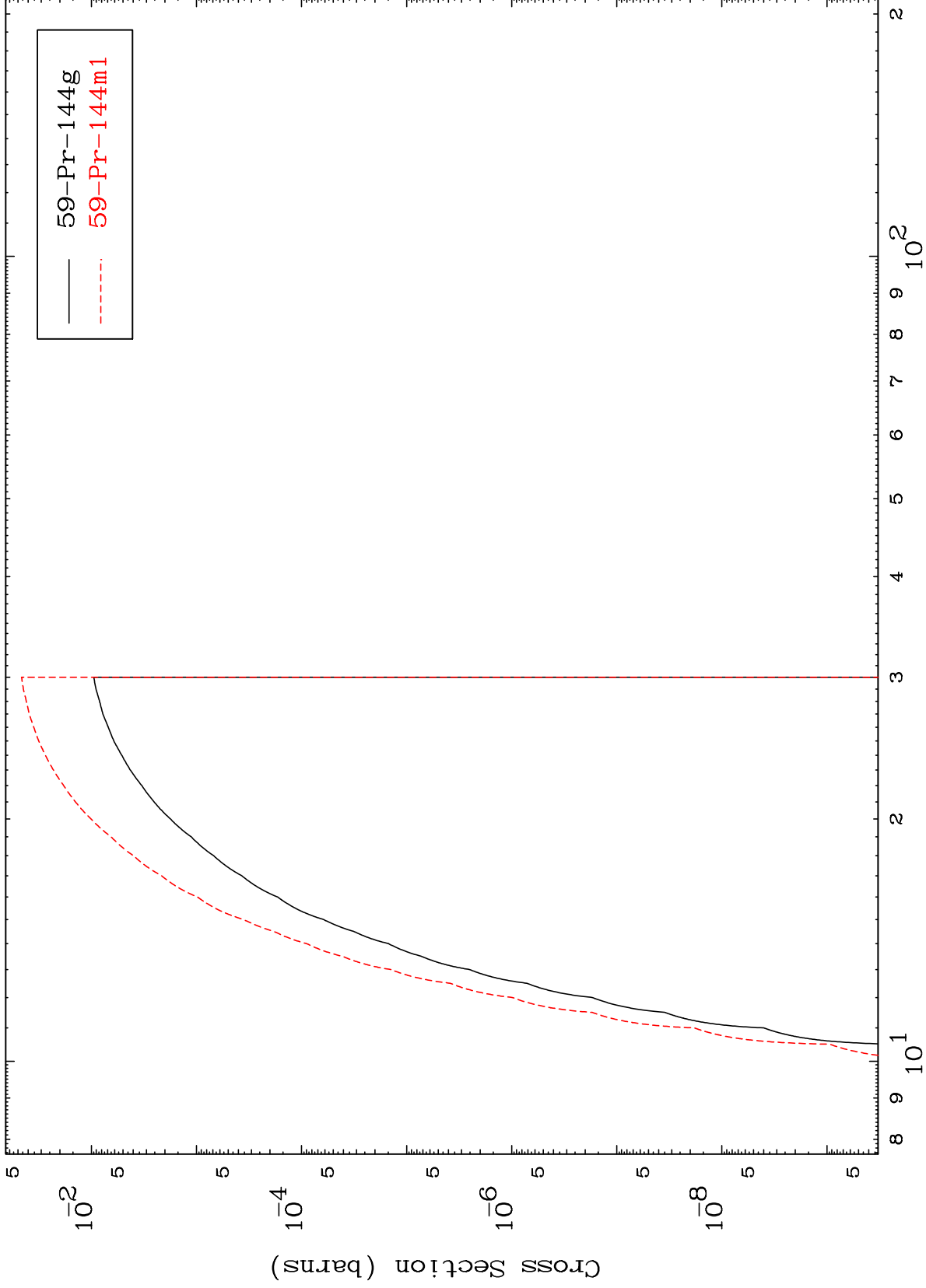
60-Nd-145

MAT 6034

(n,n') p

60-Nd-145

Radionuclide Production Cross Section



136

Incident Energy (MeV)

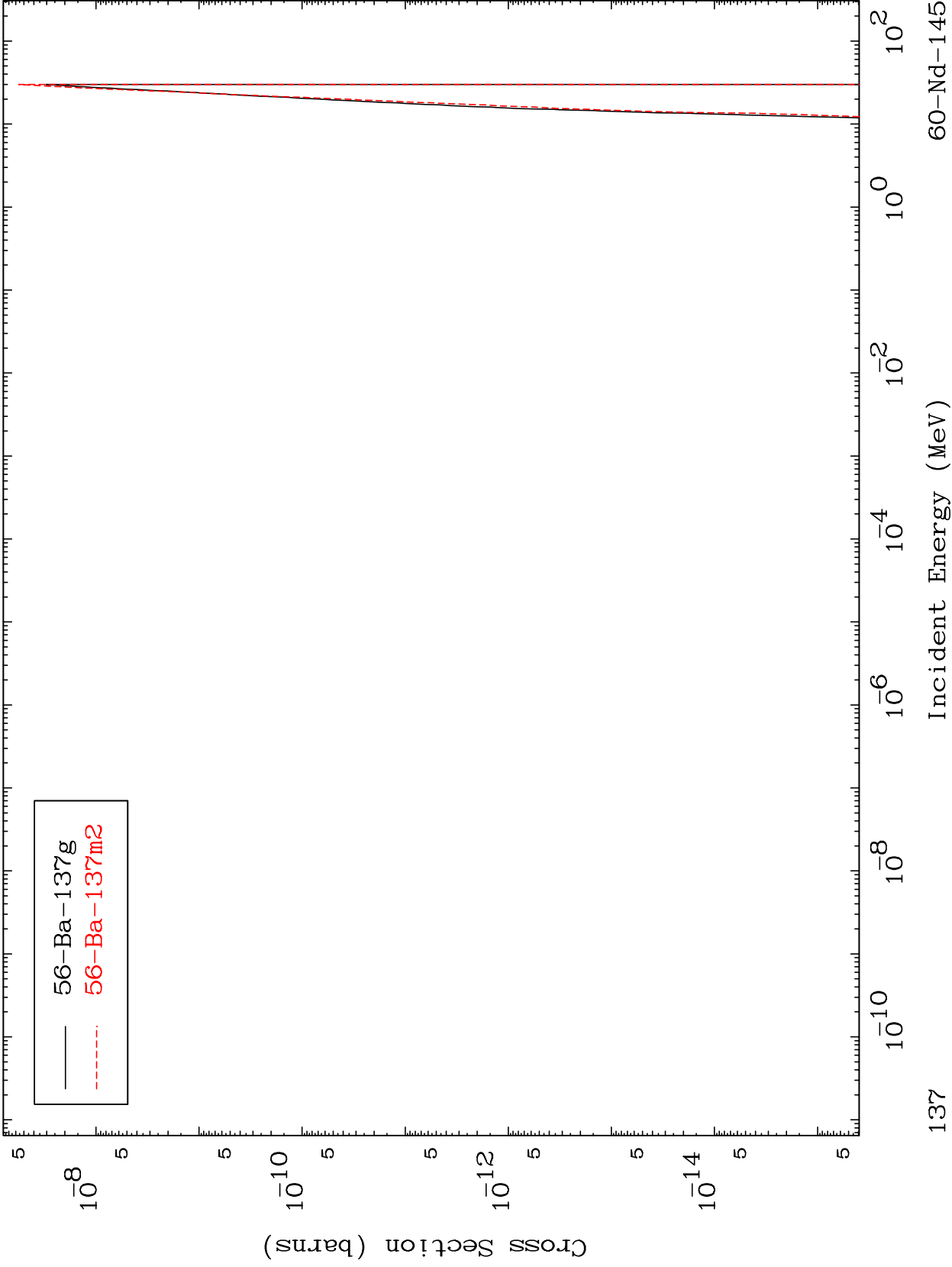
60-Nd-145

MAT 6034

(n,n') 2α

60-Nd-145

Radionuclide Production Cross Section

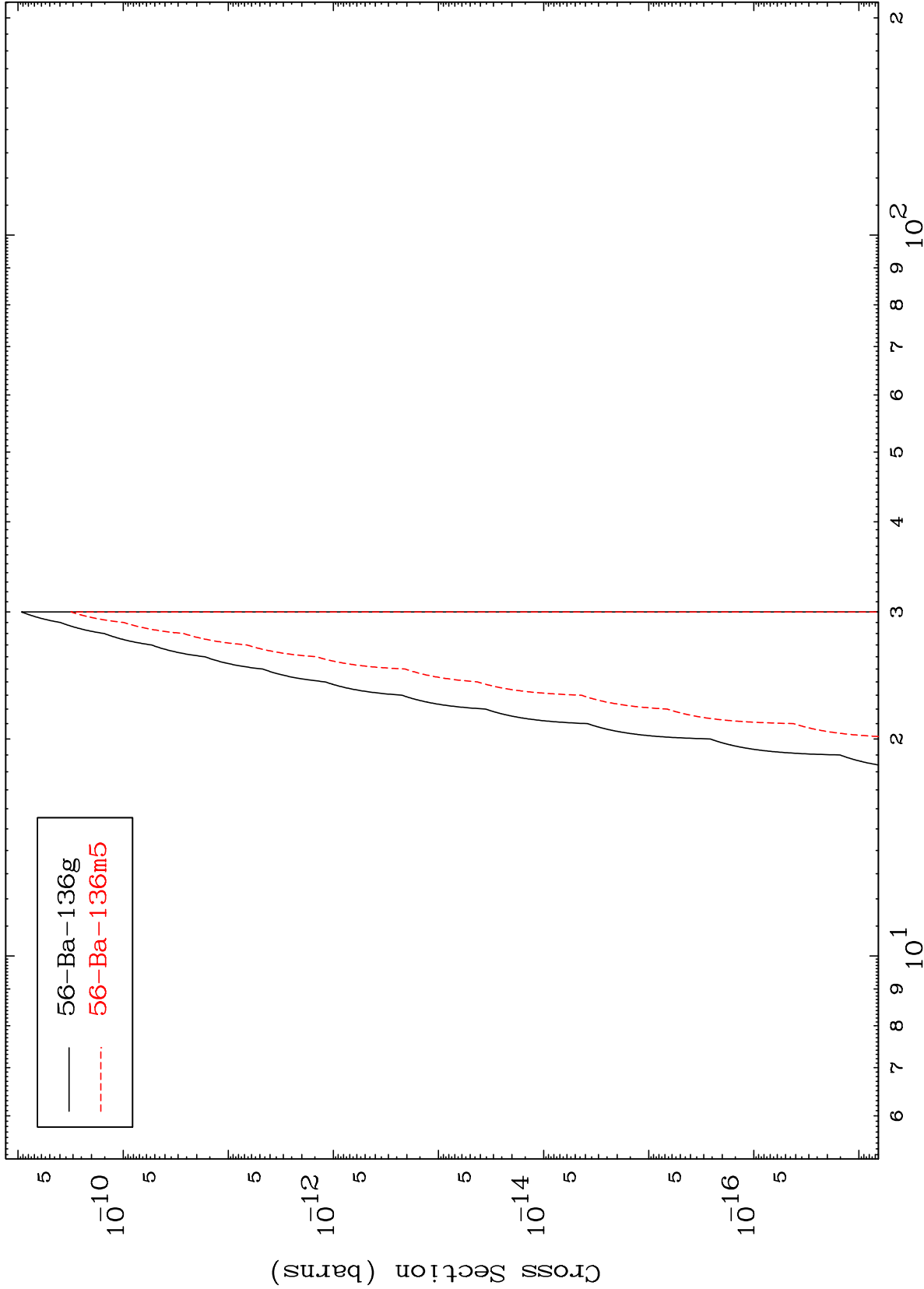


MAT 6034

$(n, 2n) 2\alpha$

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

Radionuclide Production Cross Section

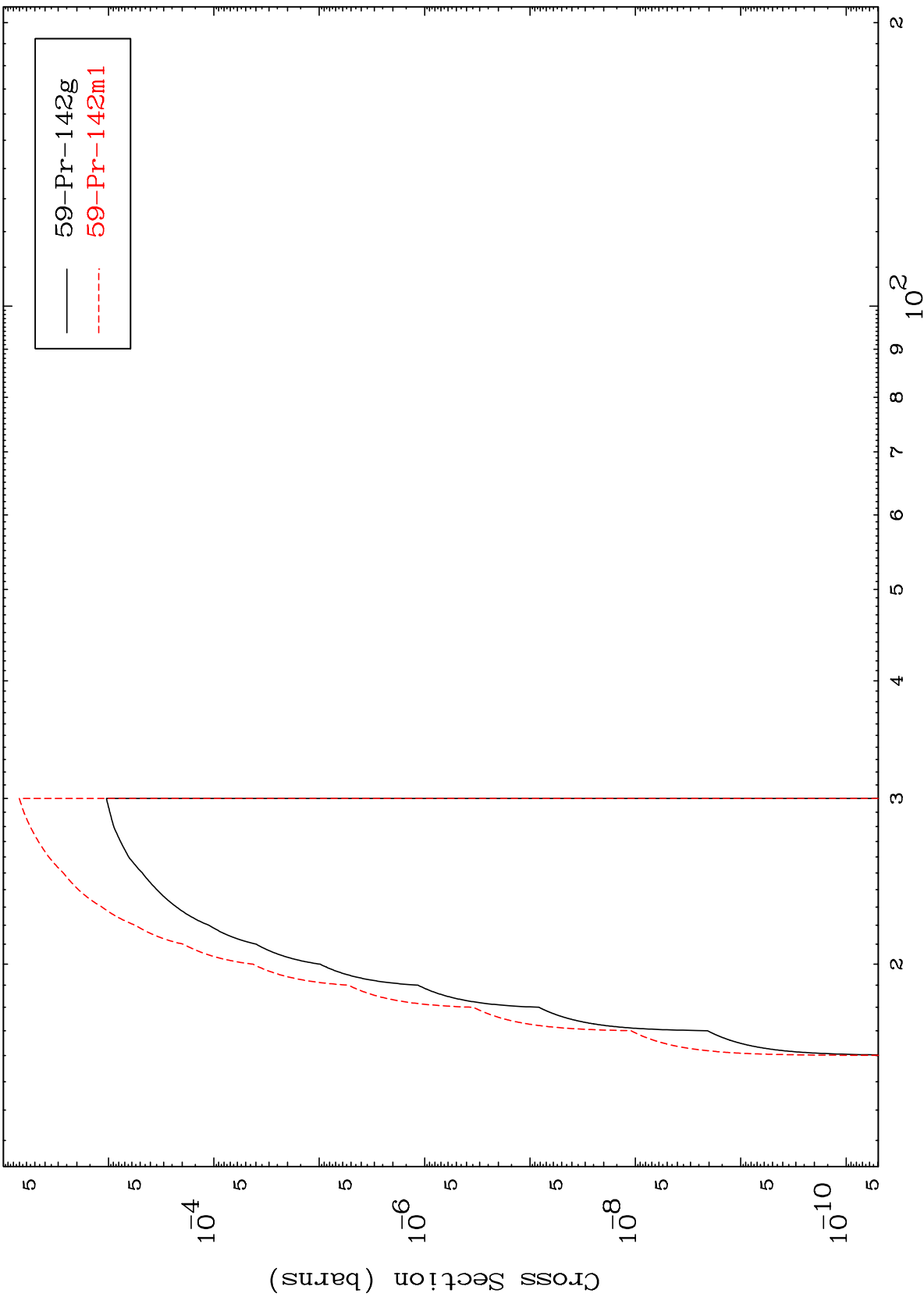


138

Incident Energy (MeV)

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

Radionuclide Production Cross Section

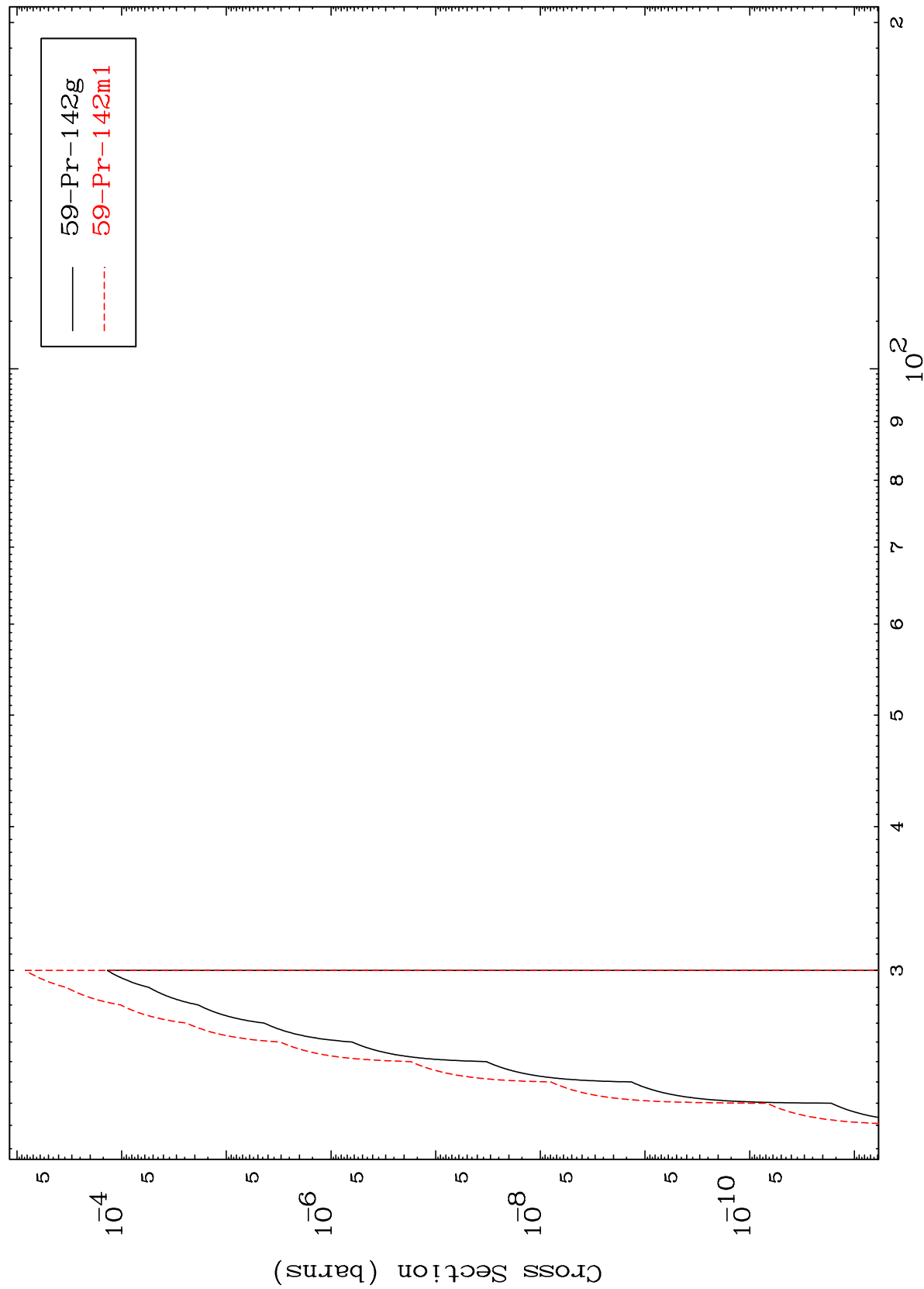


MAT 6034

(n,3n) p

60-Nd-145

Radionuclide Production Cross Section



59-Pr-142g
59-Pr-142m1

140

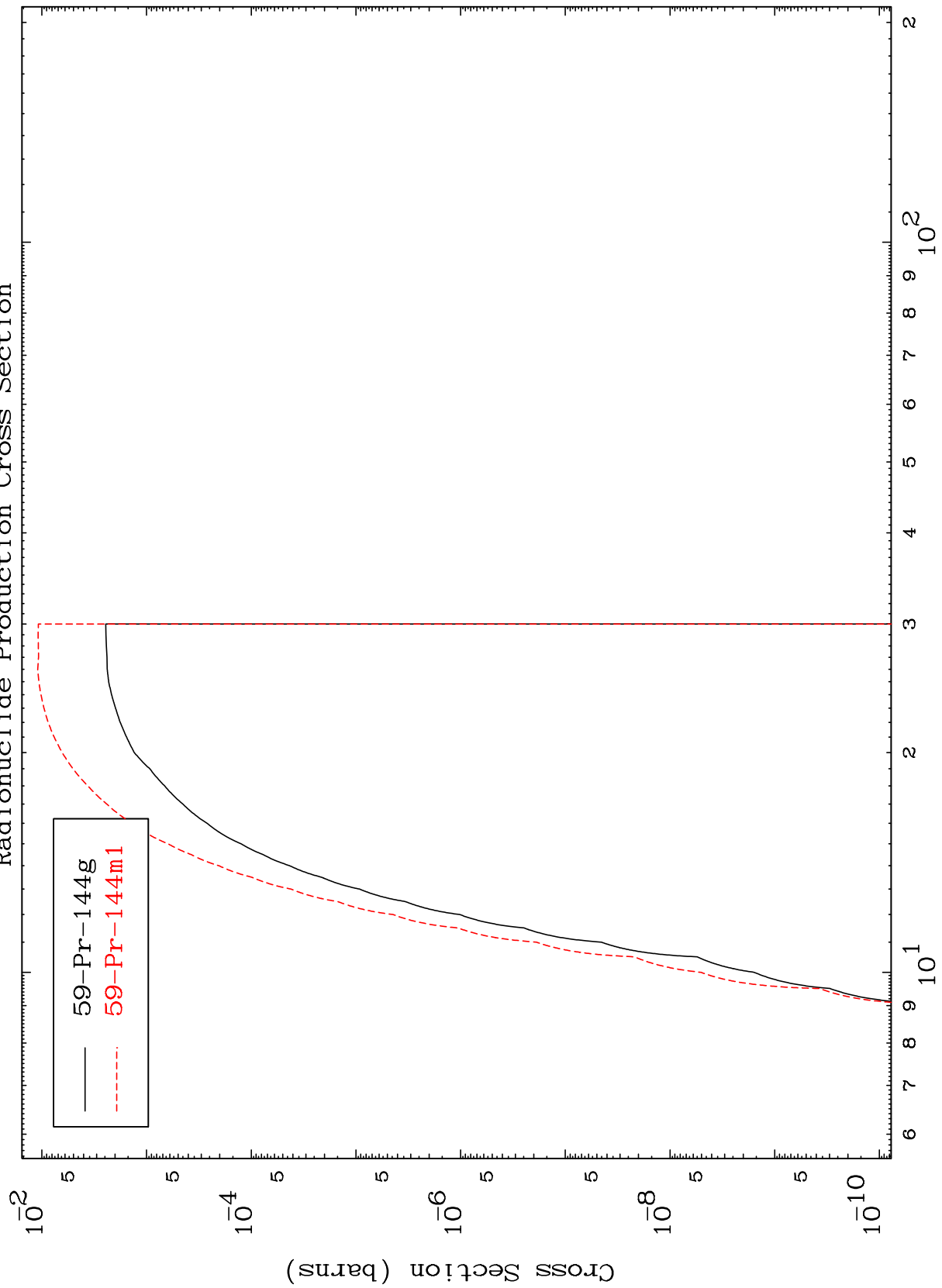
Incident Energy (MeV)

60-Nd-145

MAT 6034

60-Nd-145

(n,d)
Radionuclide Production Cross Section



141

Incident Energy (MeV)

60-Nd-145