

Program EVALPLOT  
(Version 2018-1)

by

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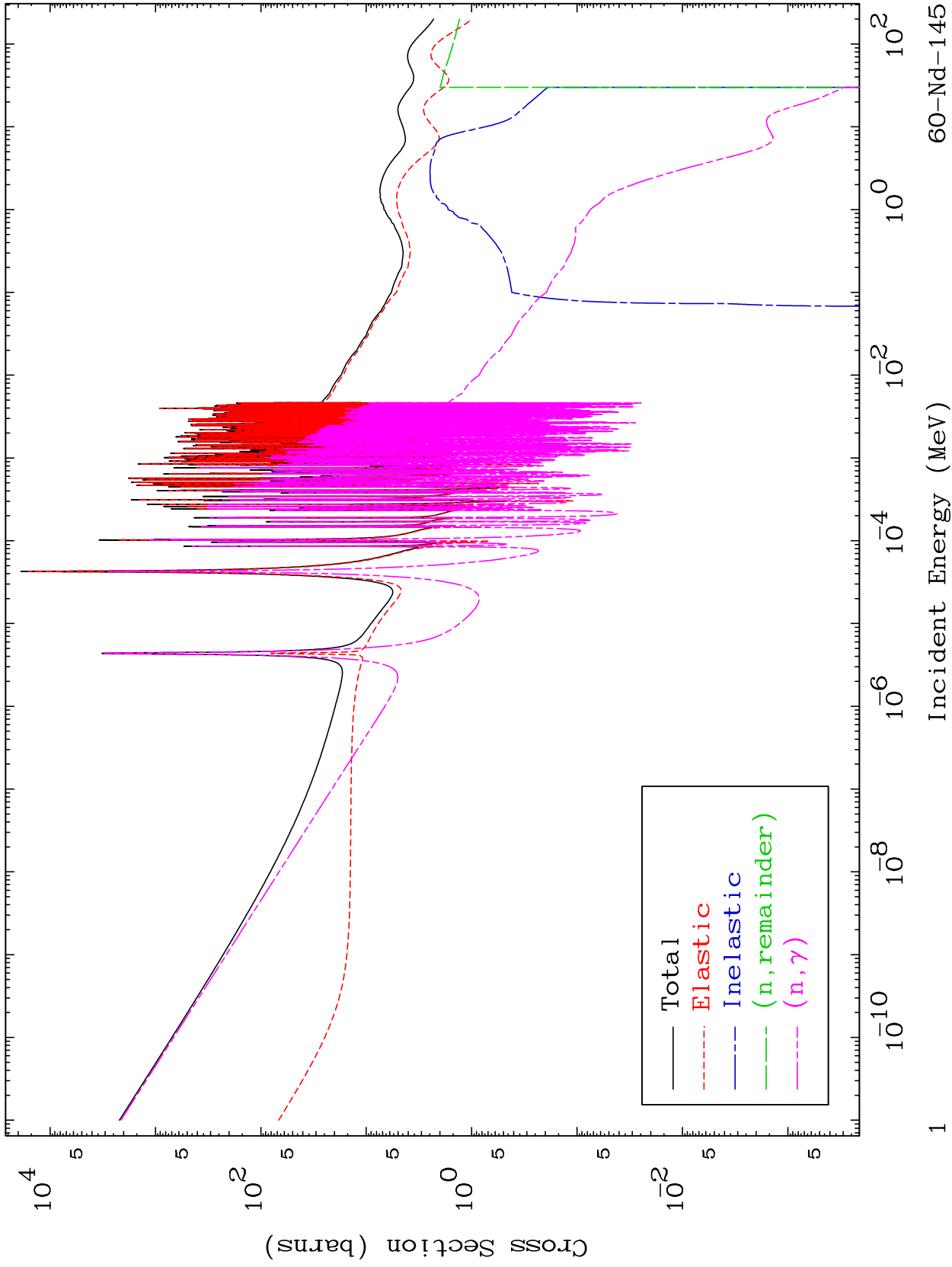
Press Mouse Button to Start

MAT 6034

Major

293 Kelvin Cross Sections

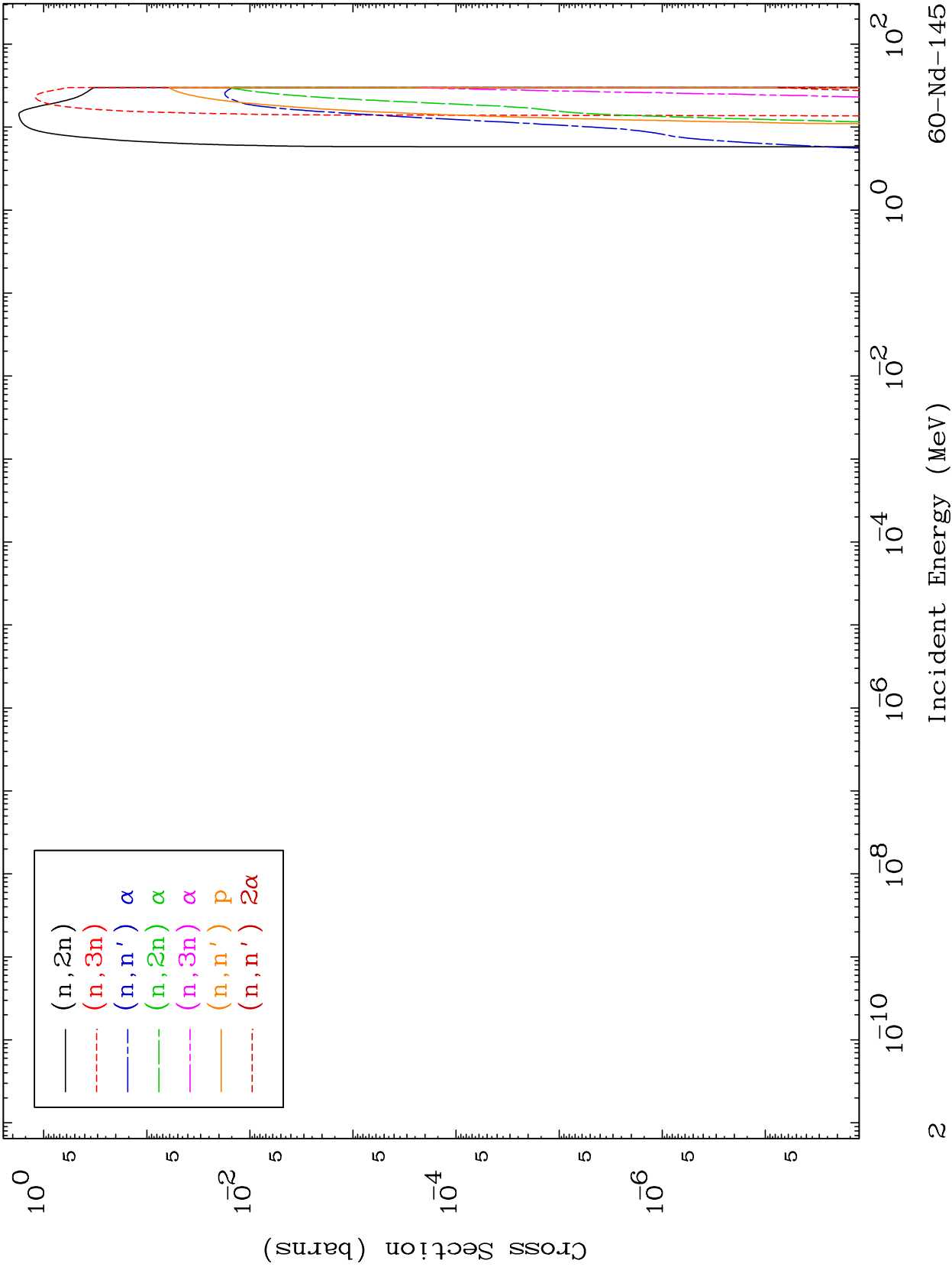
60-Nd-145

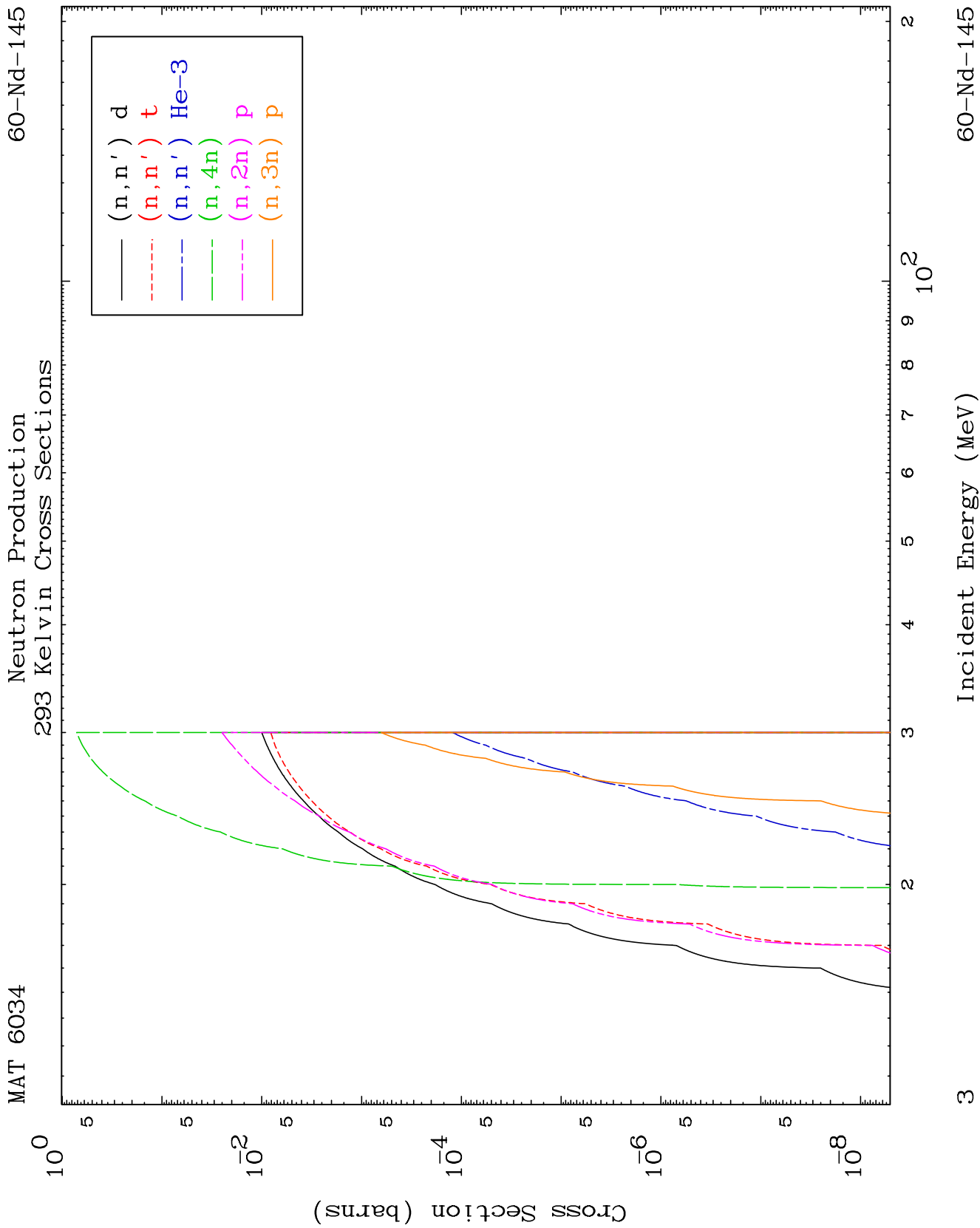


MAT 6034

Neutron Production  
293 Kelvin Cross Sections

60-Nd-145

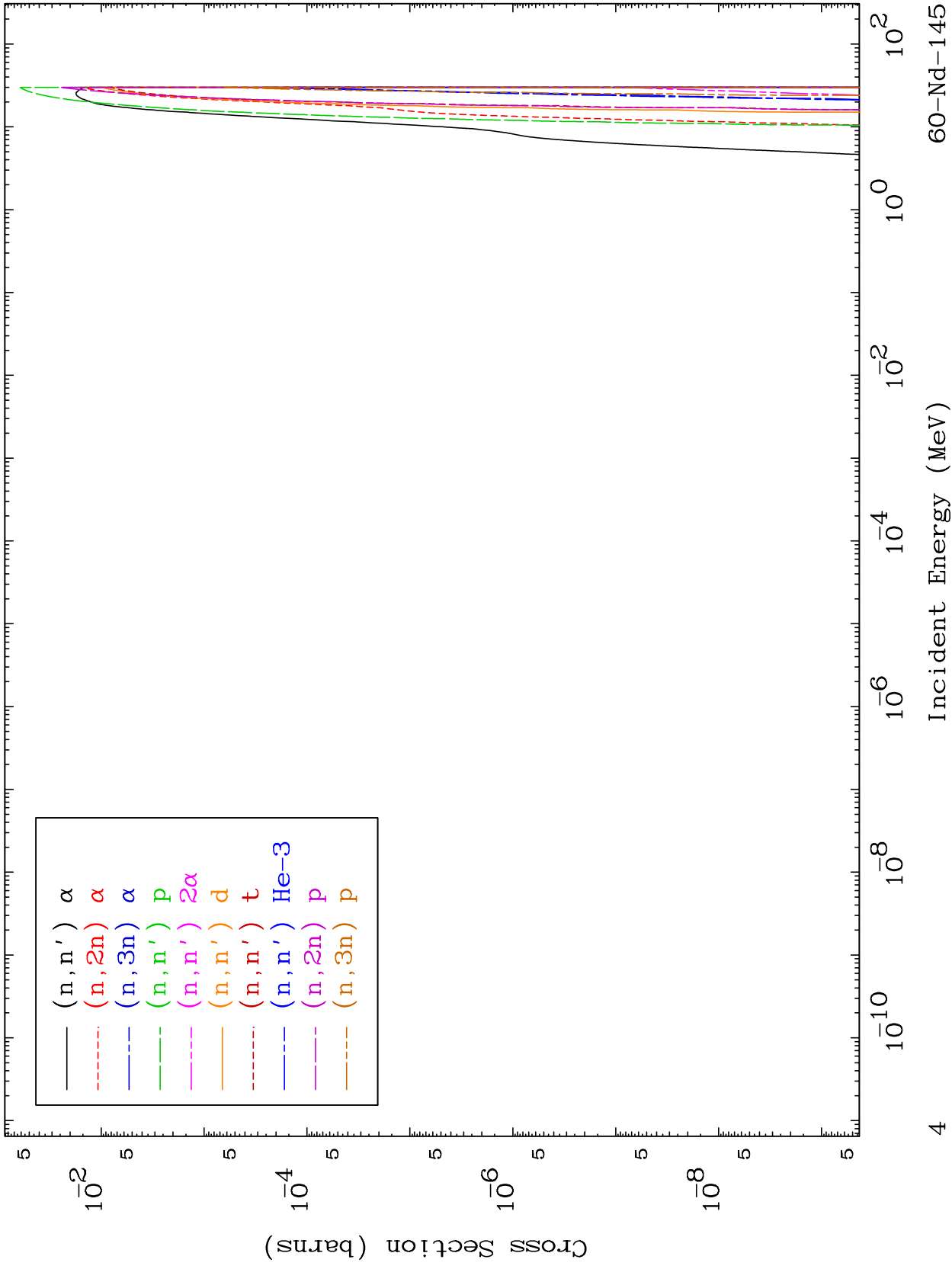




MAT 6034

Charged Particle  
293 Kelvin Cross Sections

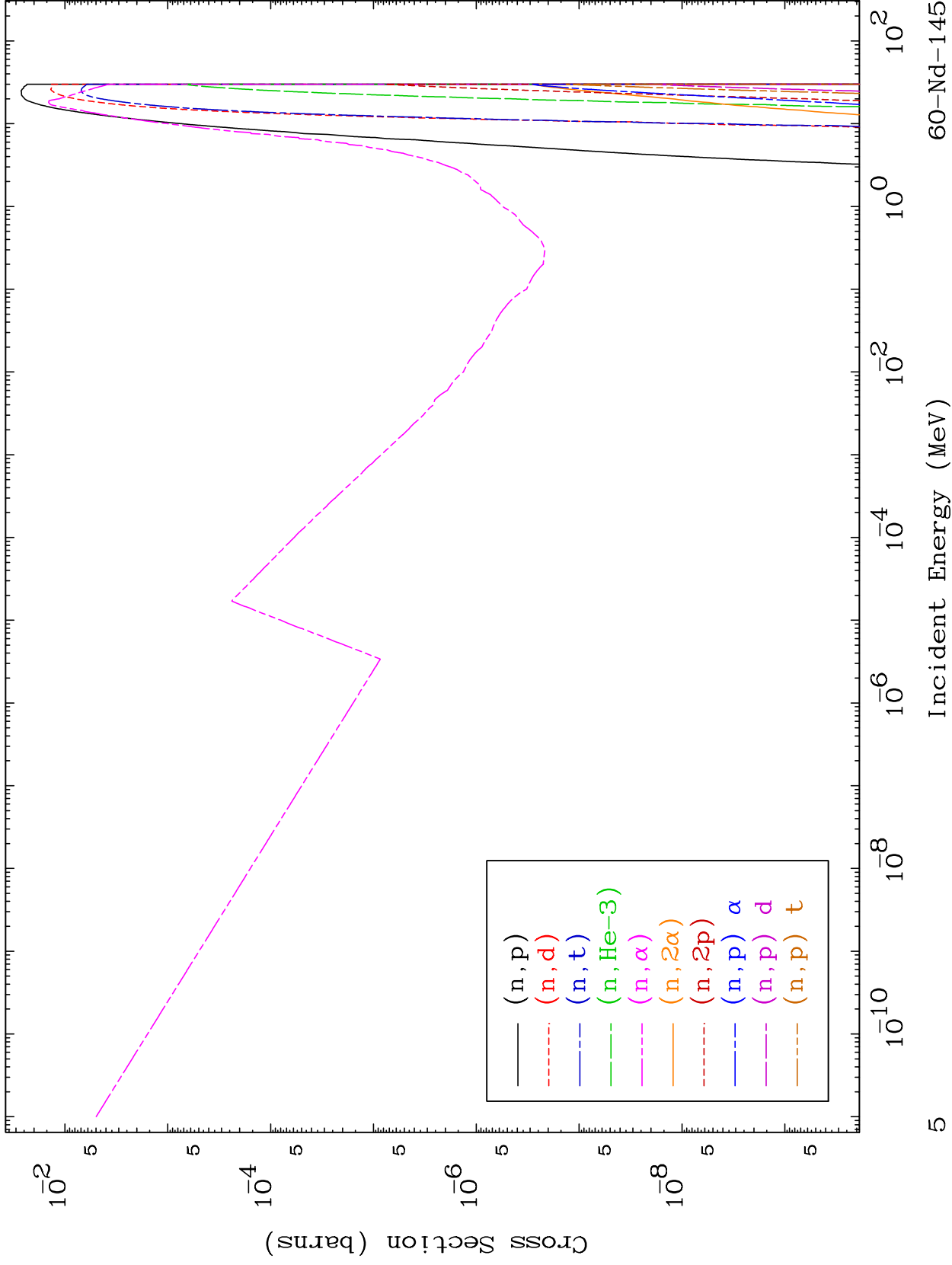
60-Nd-145

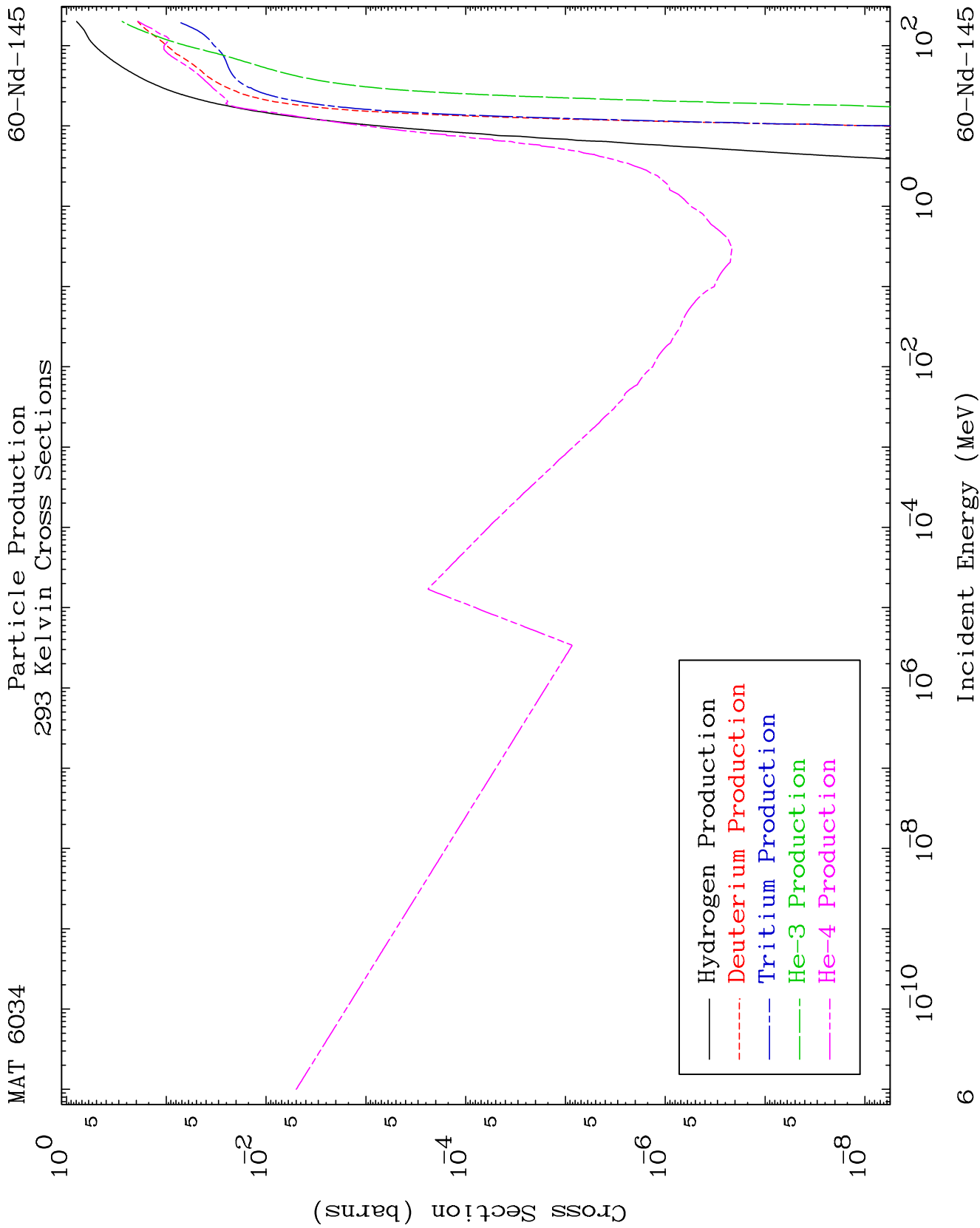


MAT 6034

Charged Particle  
293 Kelvin Cross Sections

60-Nd-145



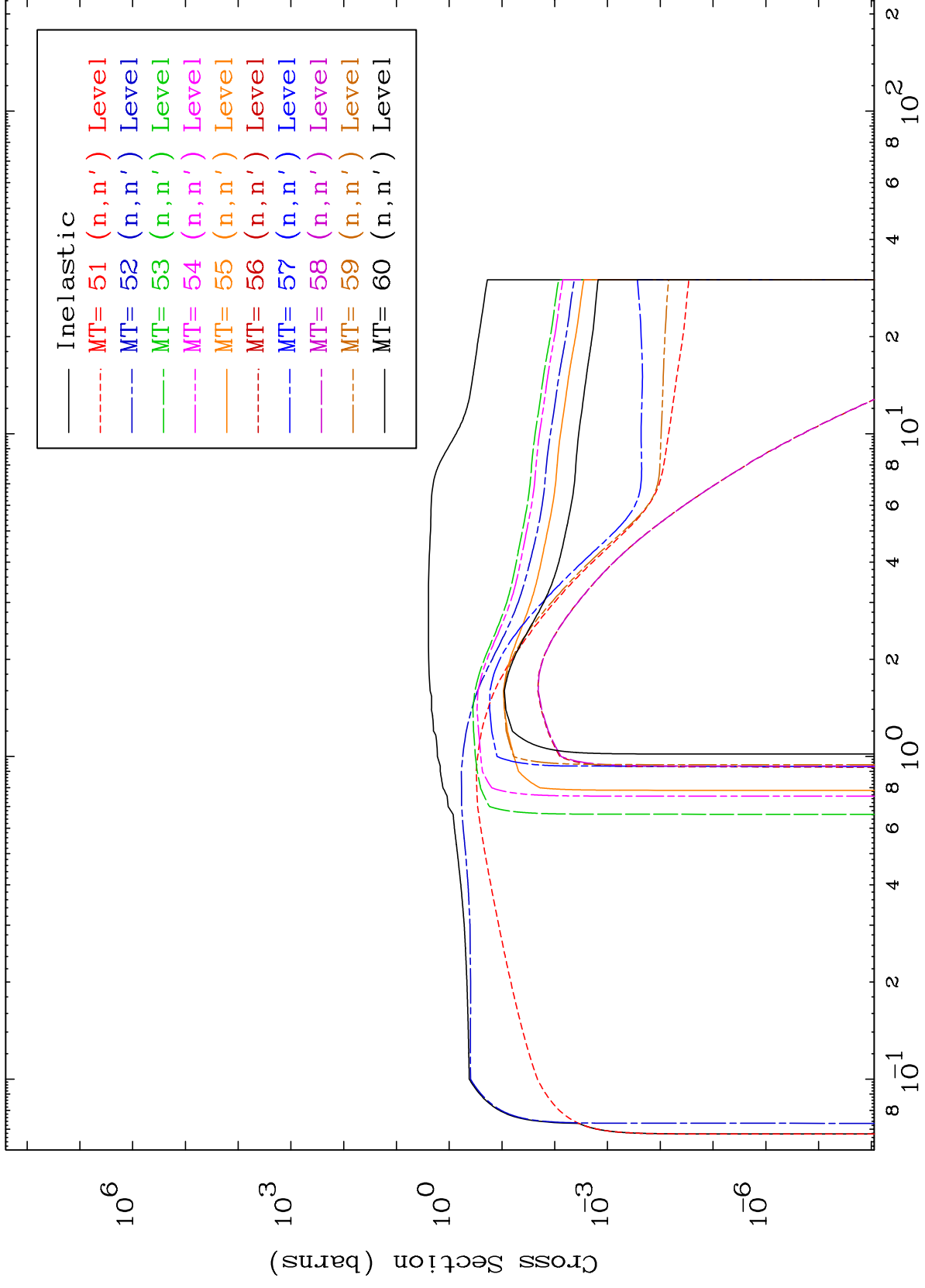


MAT 6034

(n,n') Level

60-Nd-145

293 Kelvin Cross Sections



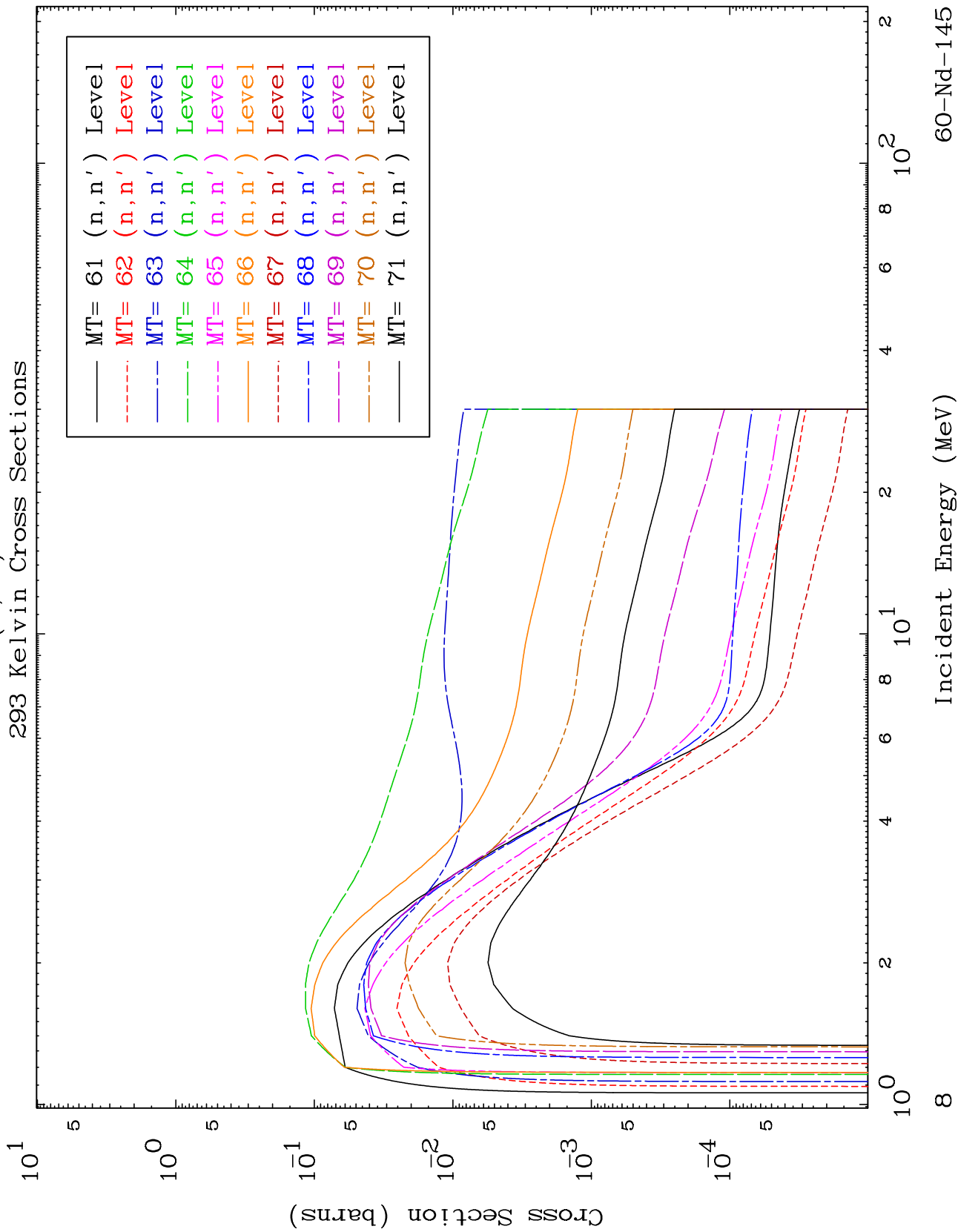


MAT 6034

(n,n') Level

60-Nd-145

293 Kelvin Cross Sections



Incident Energy (MeV)

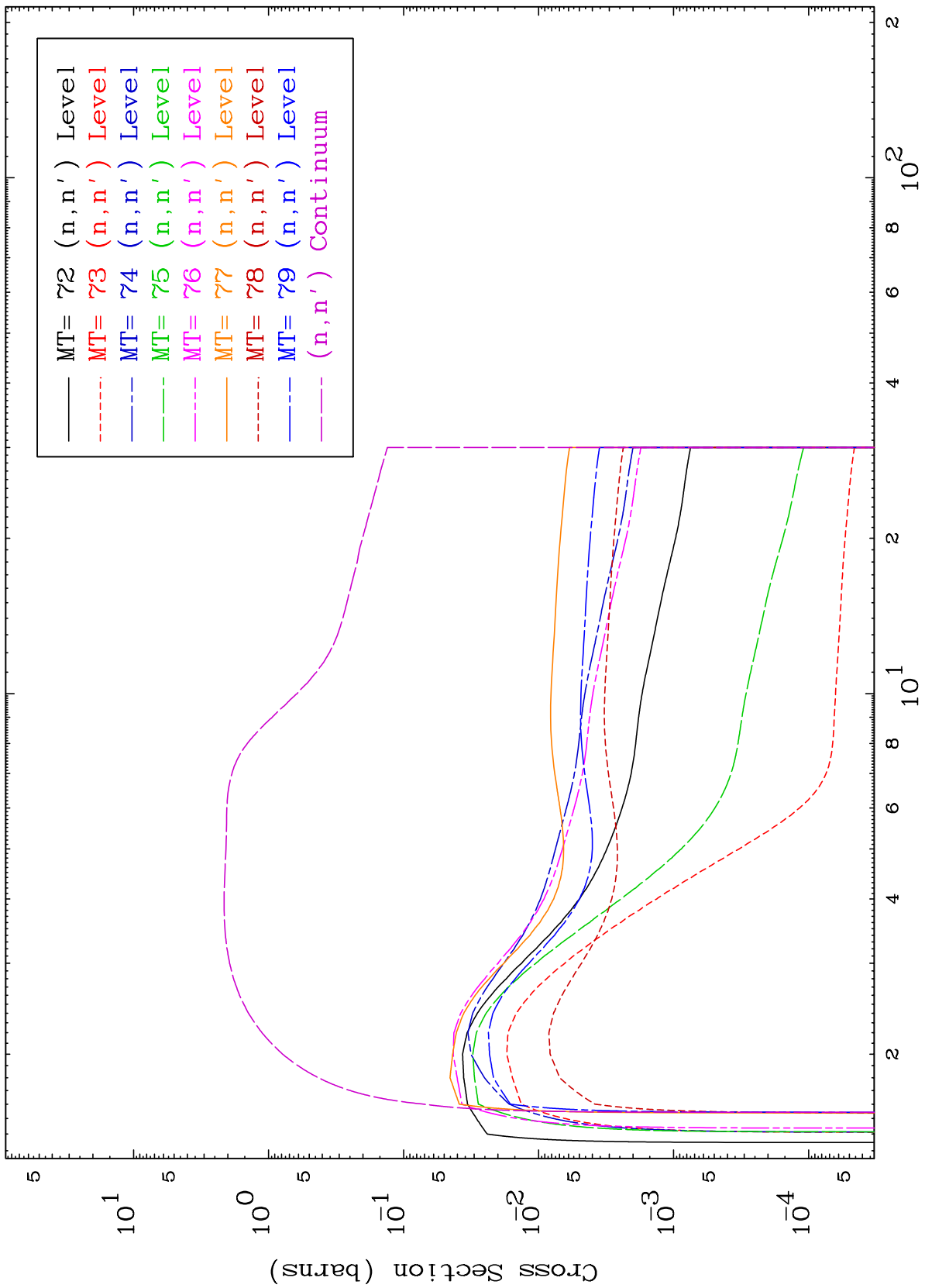
60-Nd-145

MAT 6034

(n,n') Level

60-Nd-145

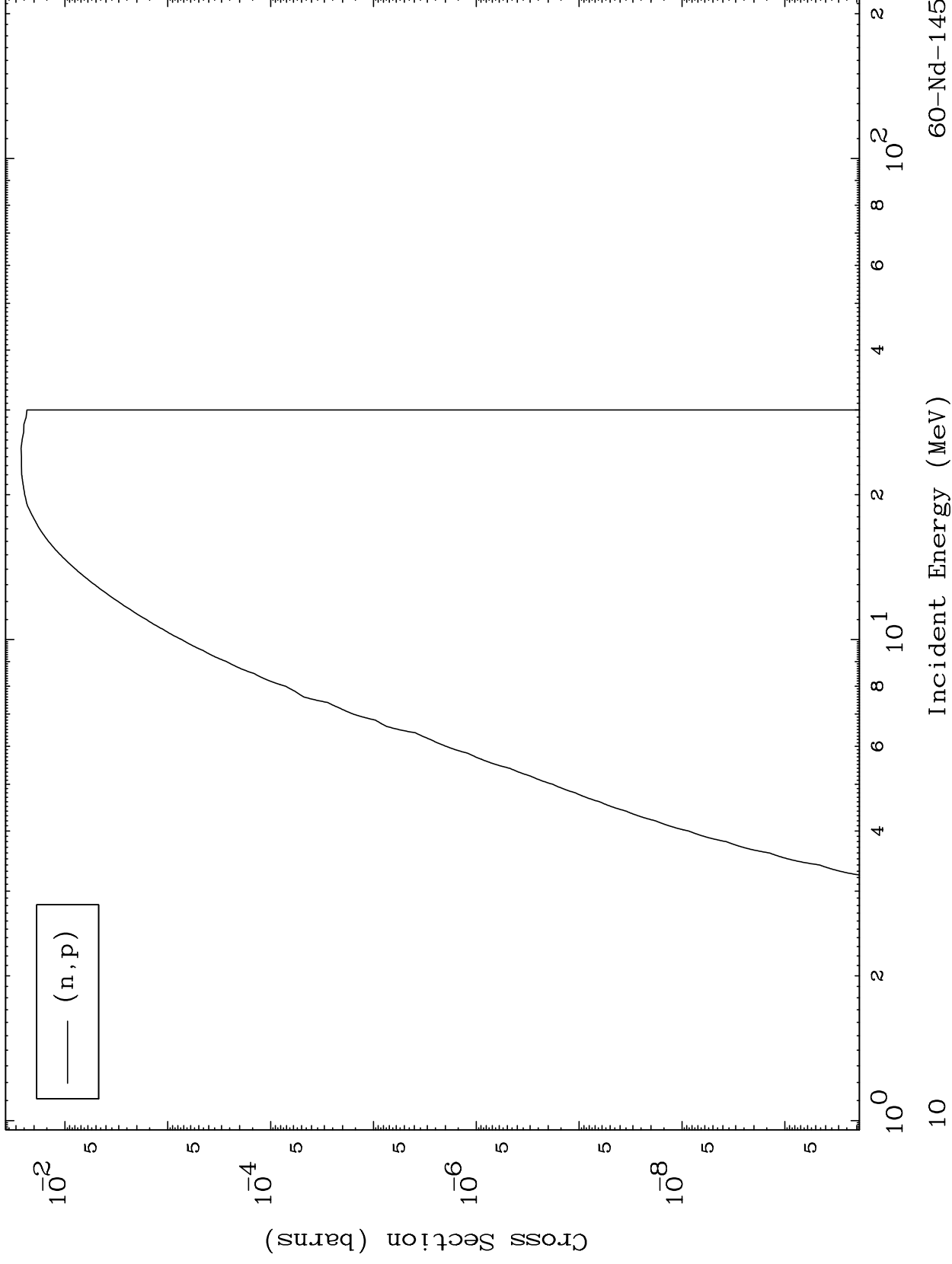
293 Kelvin Cross Sections



MAT 6034

(n,p) Levels  
293 Kelvin Cross Sections

60-Nd-145

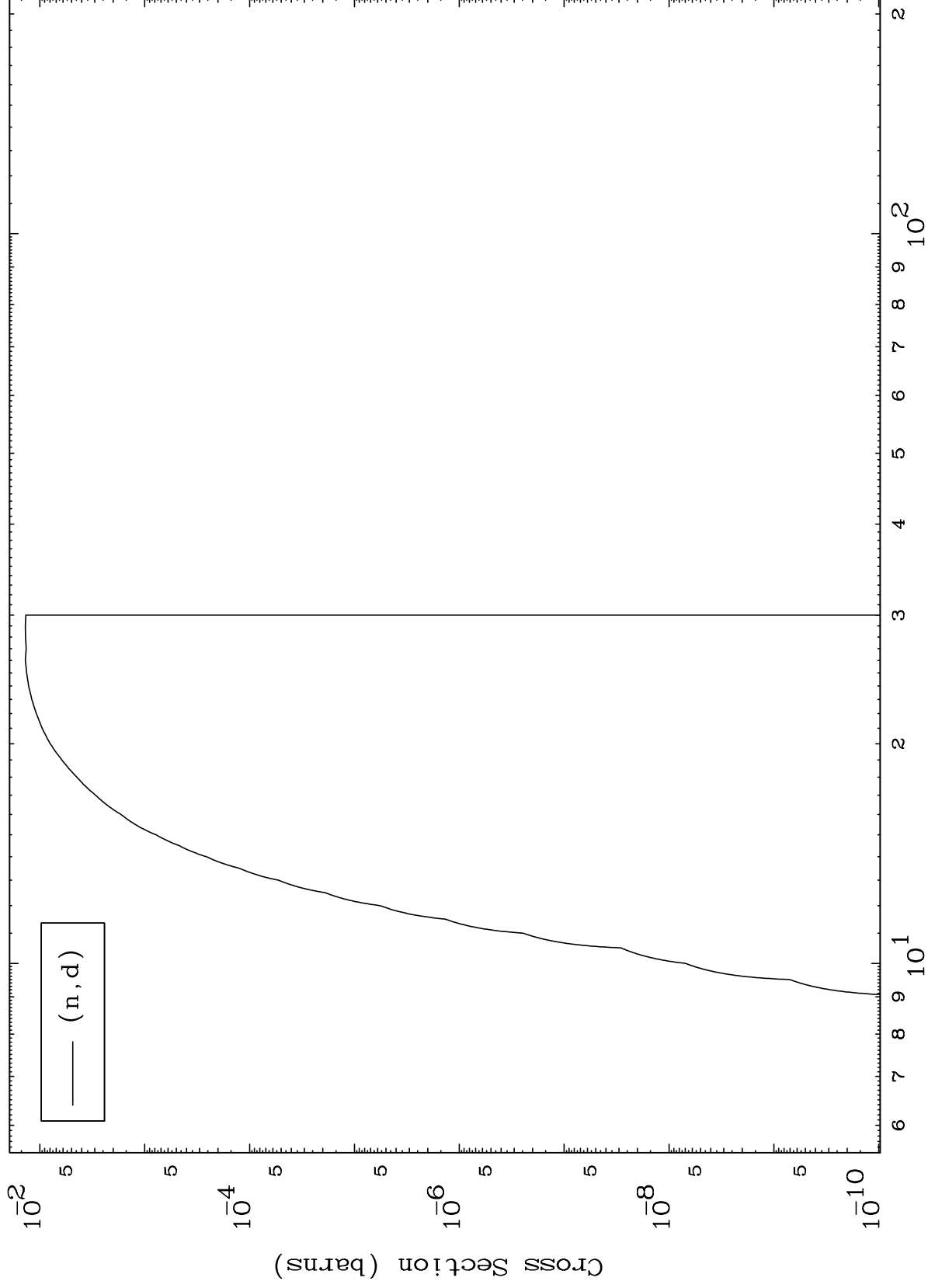


60-Nd-145

MAT 6034

(n,d) Levels  
293 Kelvin Cross Sections

60-Nd-145



11

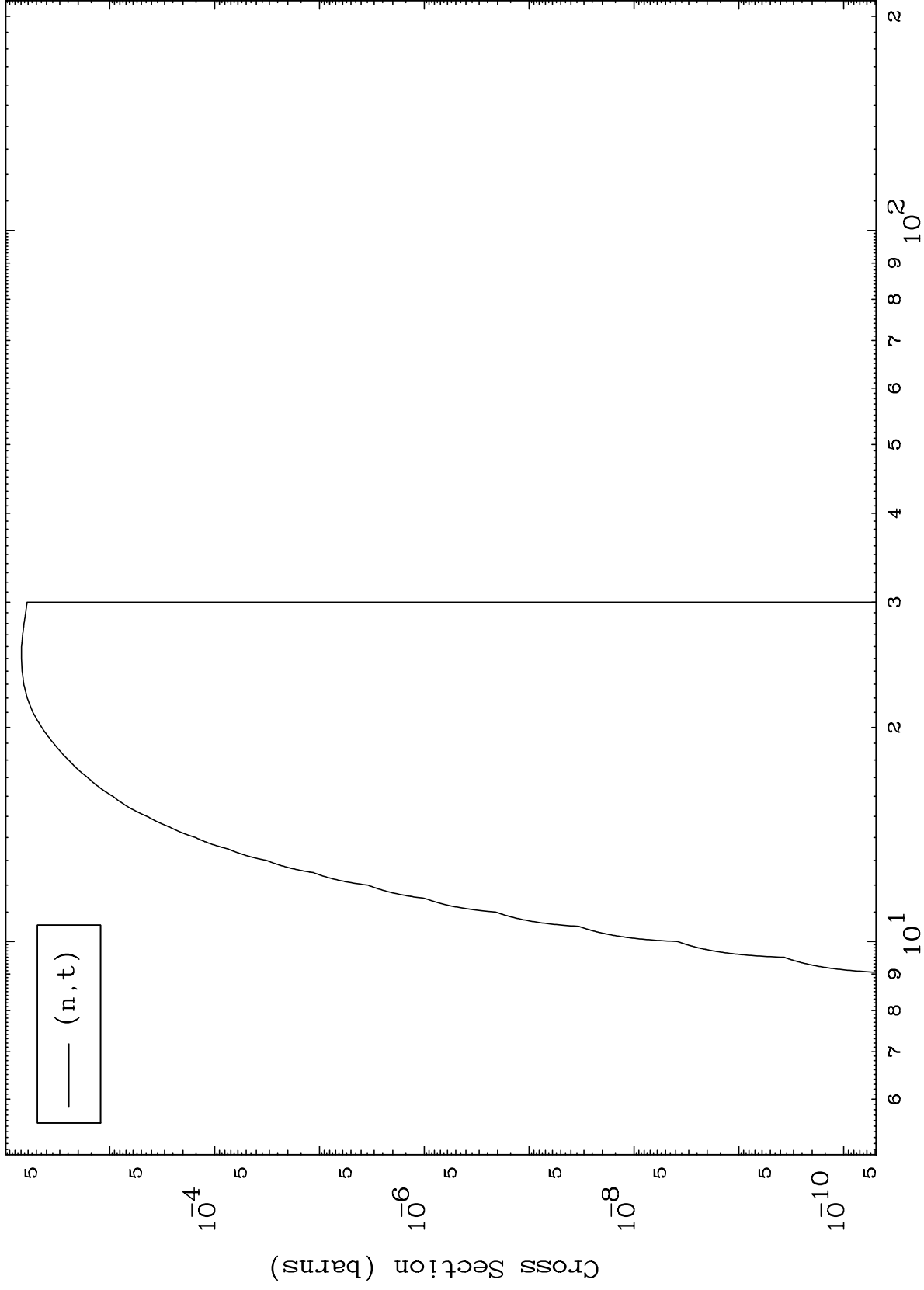
Incident Energy (MeV)

60-Nd-145

MAT 6034

(n,t) Levels  
293 Kelvin Cross Sections

60-Nd-145



12

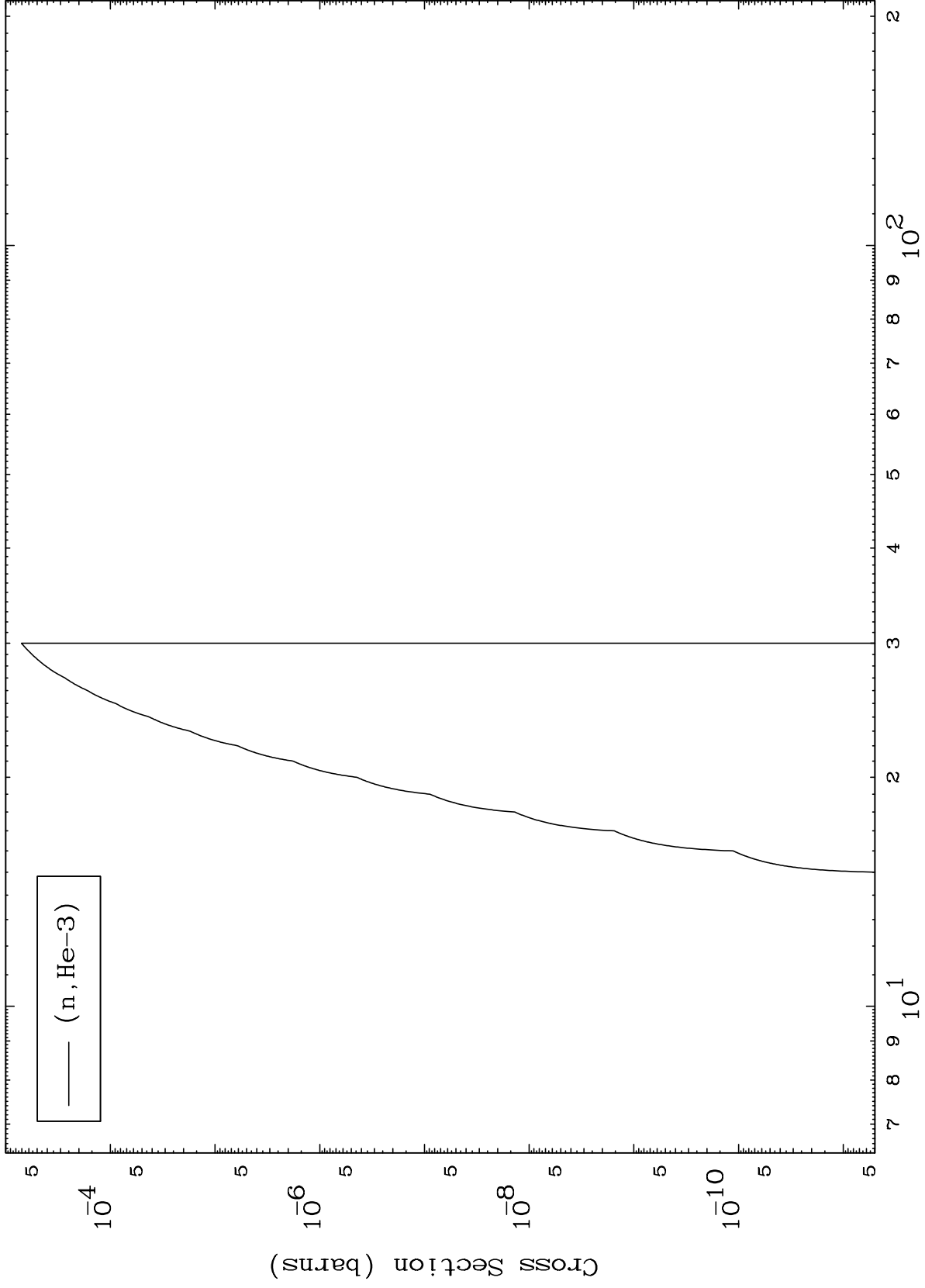
Incident Energy (MeV)

60-Nd-145

MAT 6034

(n,He3) Levels  
293 Kelvin Cross Sections

60-Nd-145



13

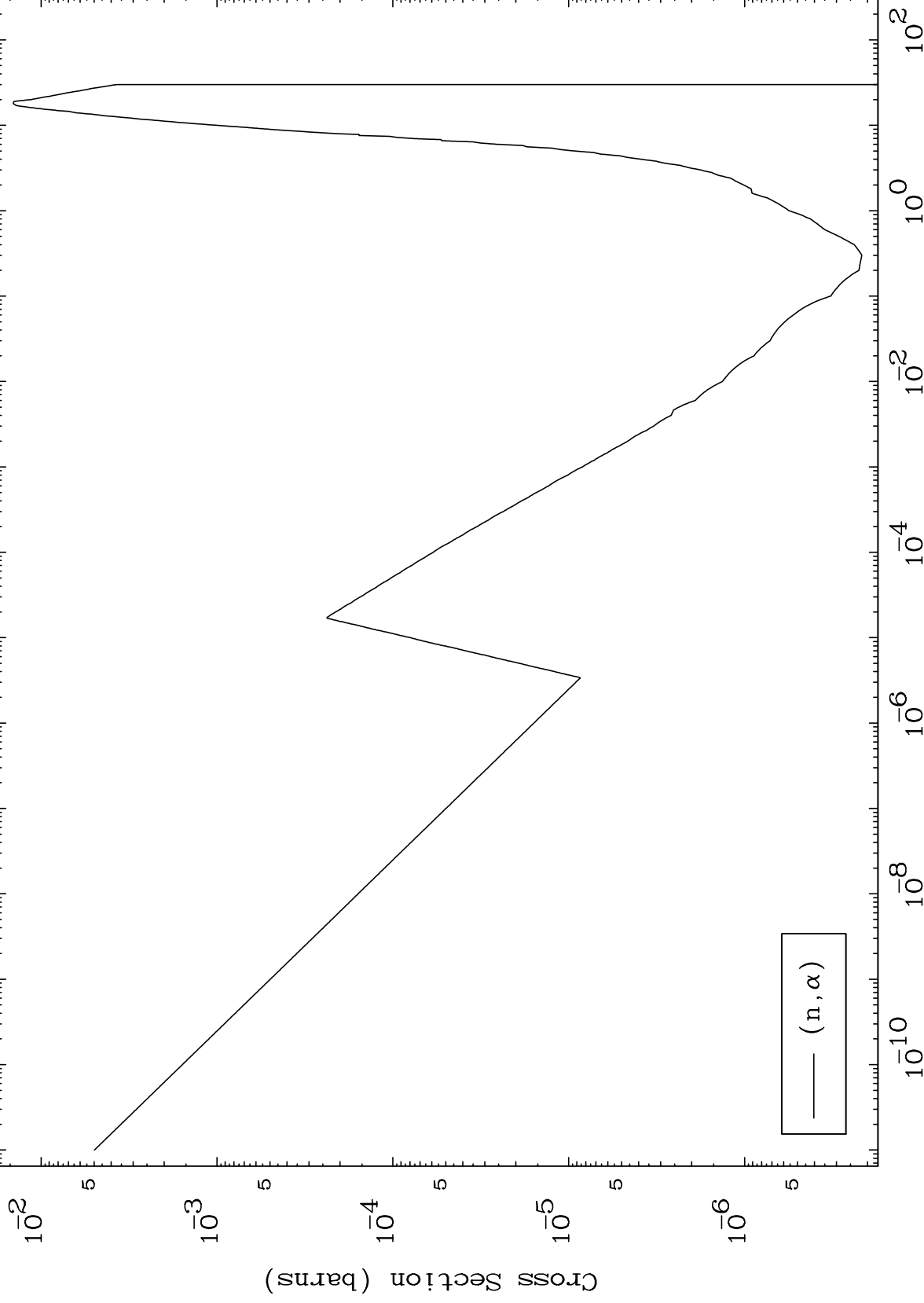
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

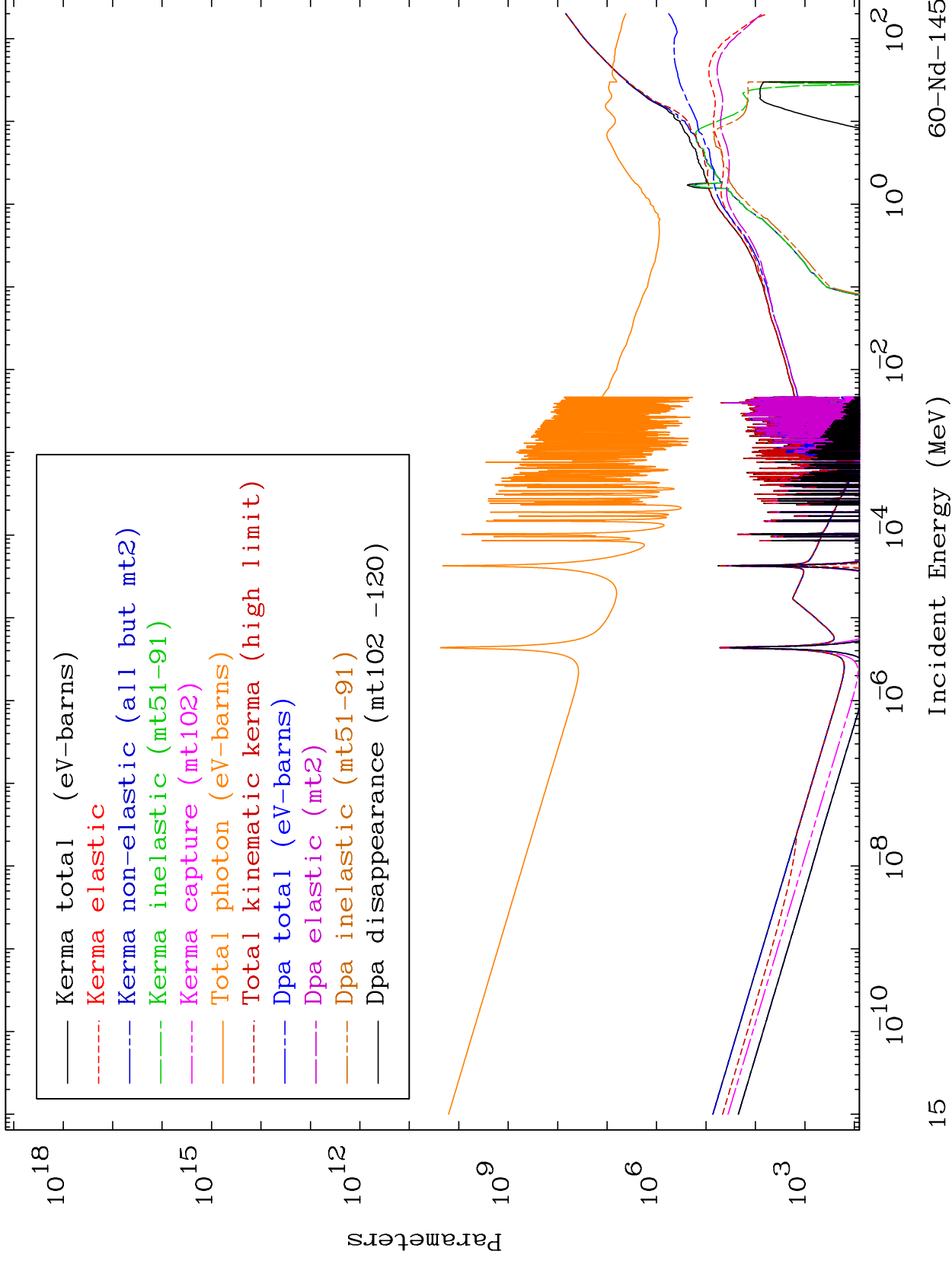
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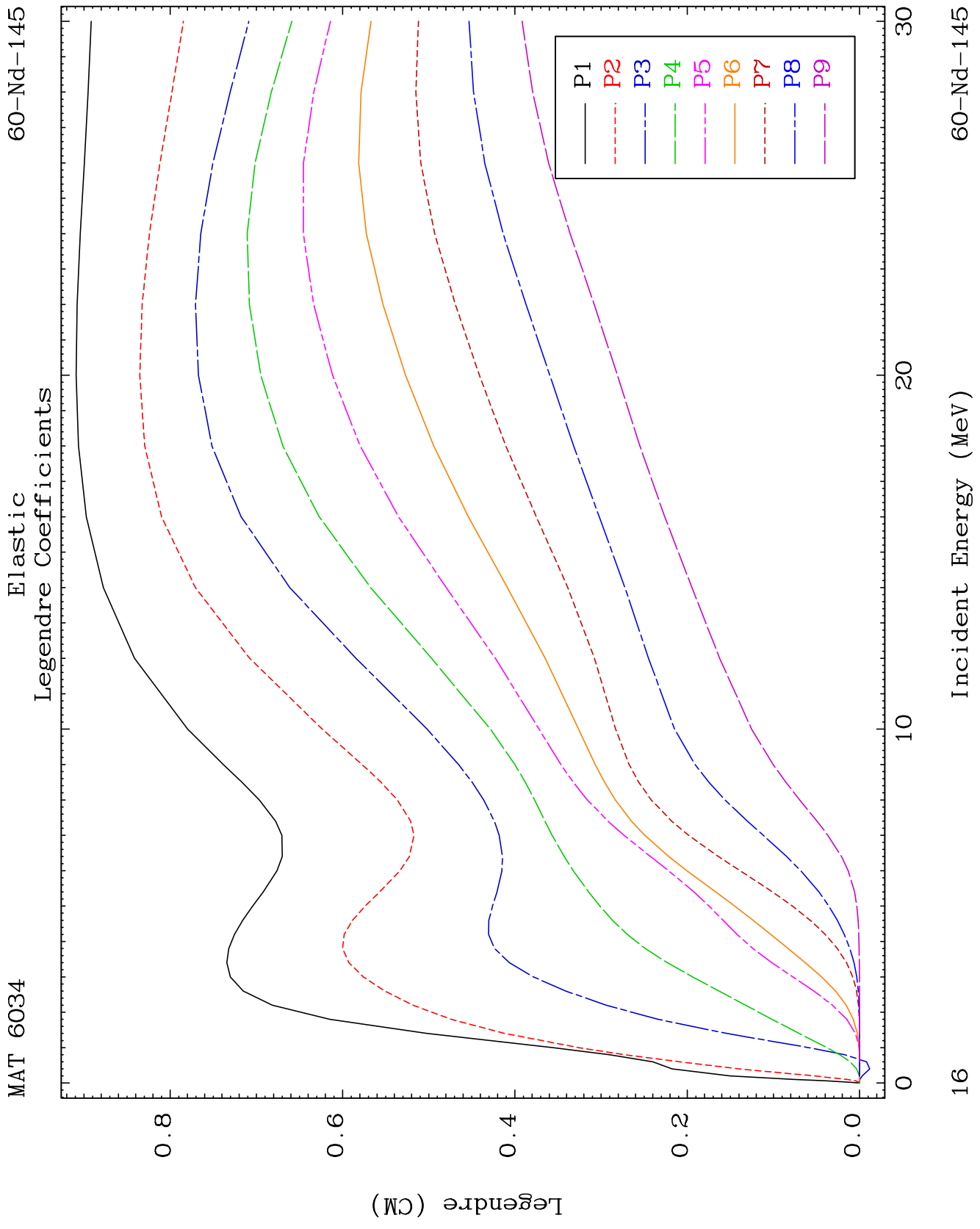
14

Incident Energy (MeV)

60-Nd-145



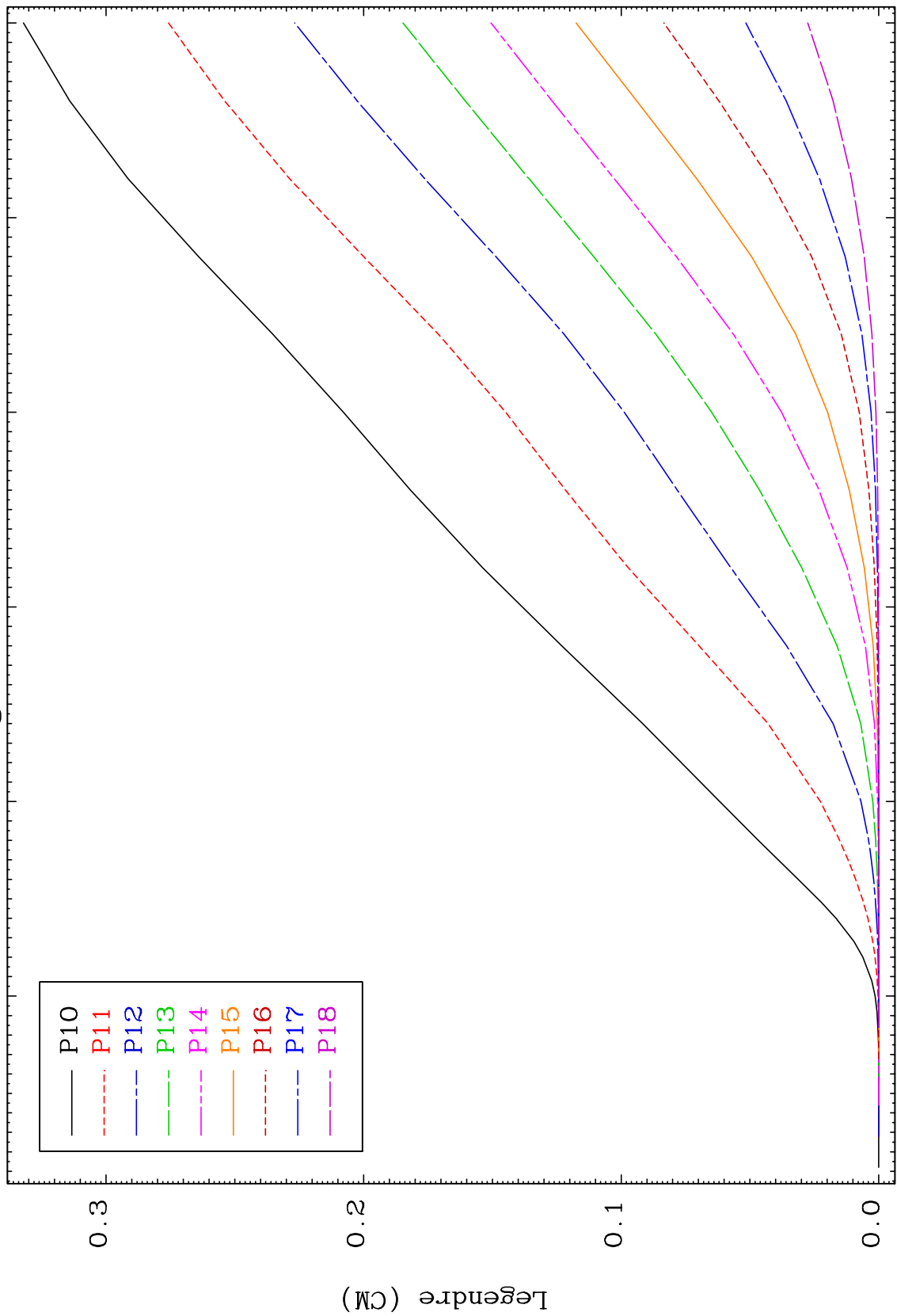




MAT 6034

Elastic Legendre Coefficients

60-Nd-145



17

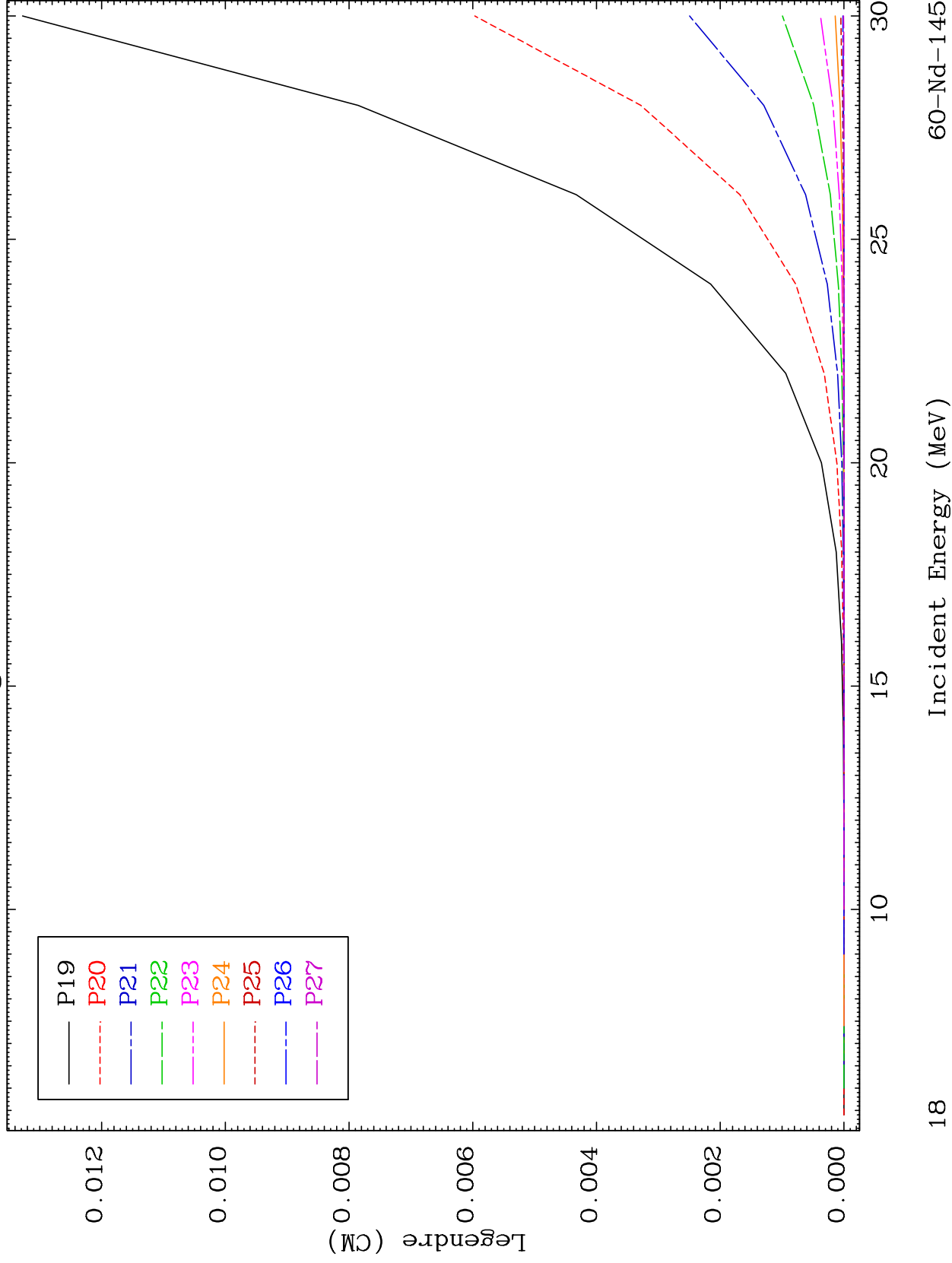
Incident Energy (MeV)

60-Nd-145

MAT 6034

### Elastic Legendre Coefficients

<sup>60</sup>Nd-145



18

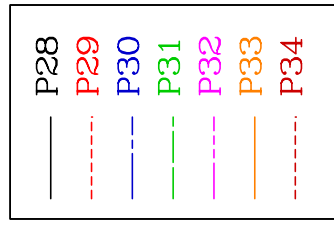
Incident Energy (MeV)

<sup>60</sup>Nd-145

MAT 6034

Elastic  
Legendre Coefficients

60-Nd-145



$\times 10^{-6}$

1.5

Legendre (CM)

1.0

0.5

0.0

15

20

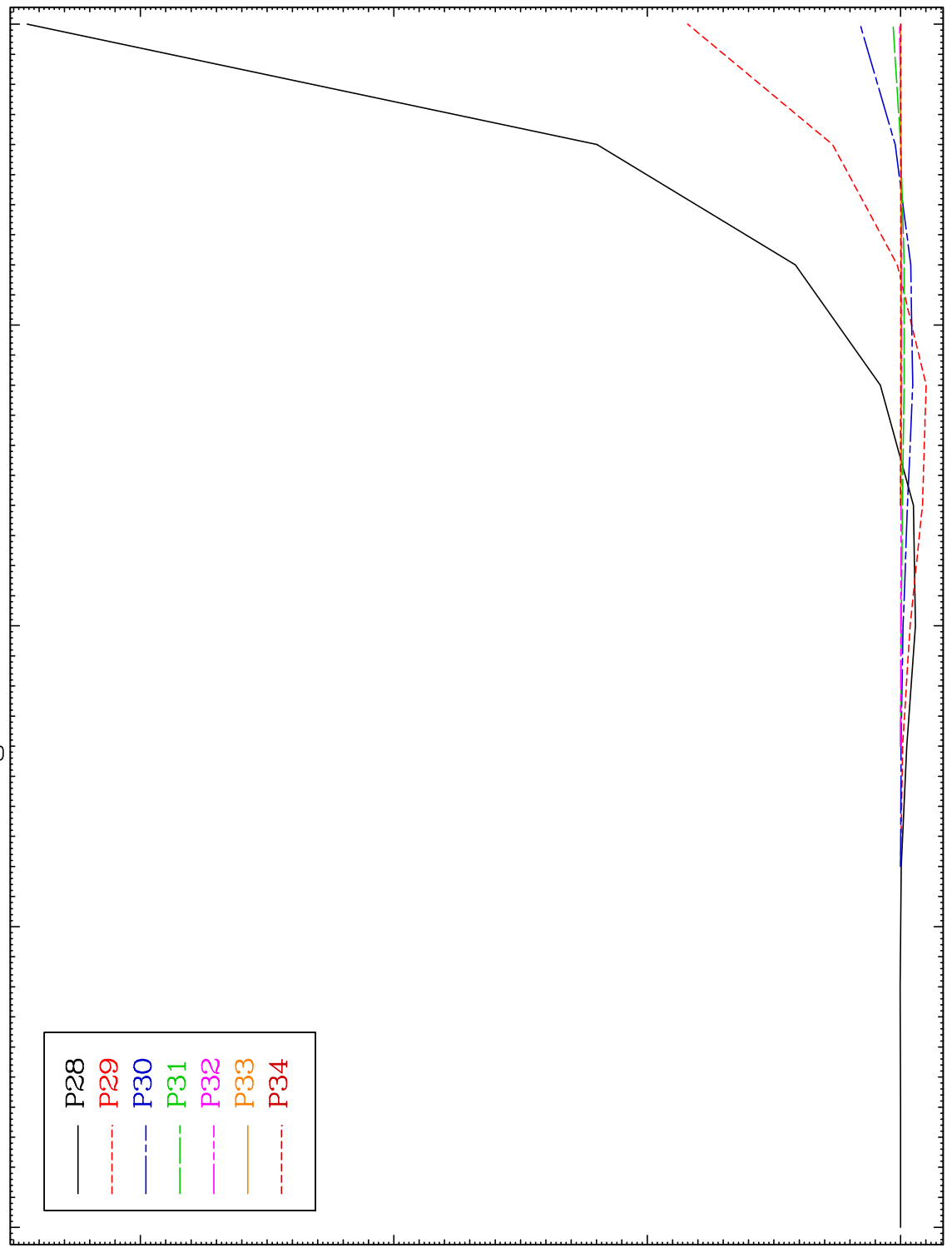
25

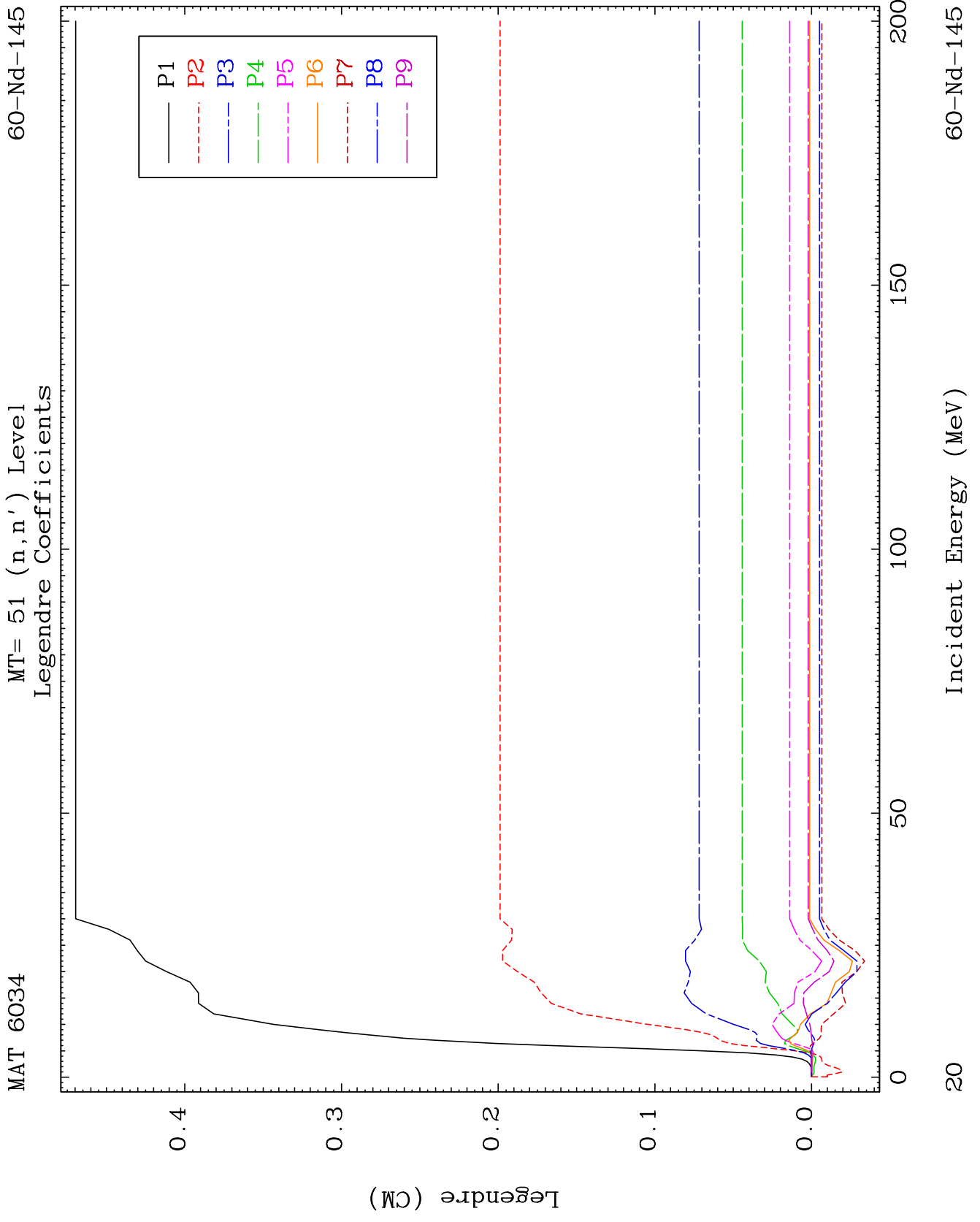
30

19

Incident Energy (MeV)

60-Nd-145



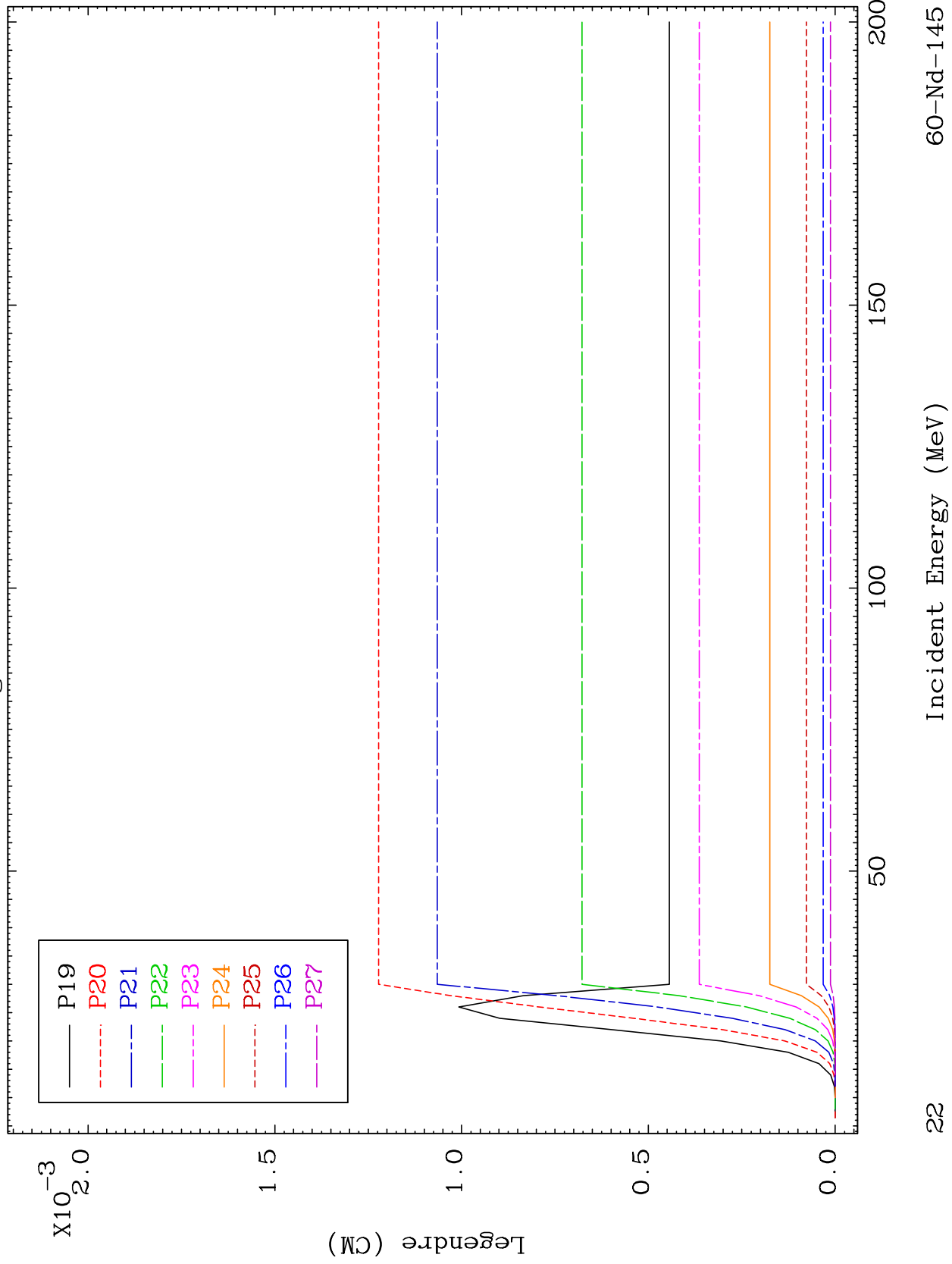




MAT 6034

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

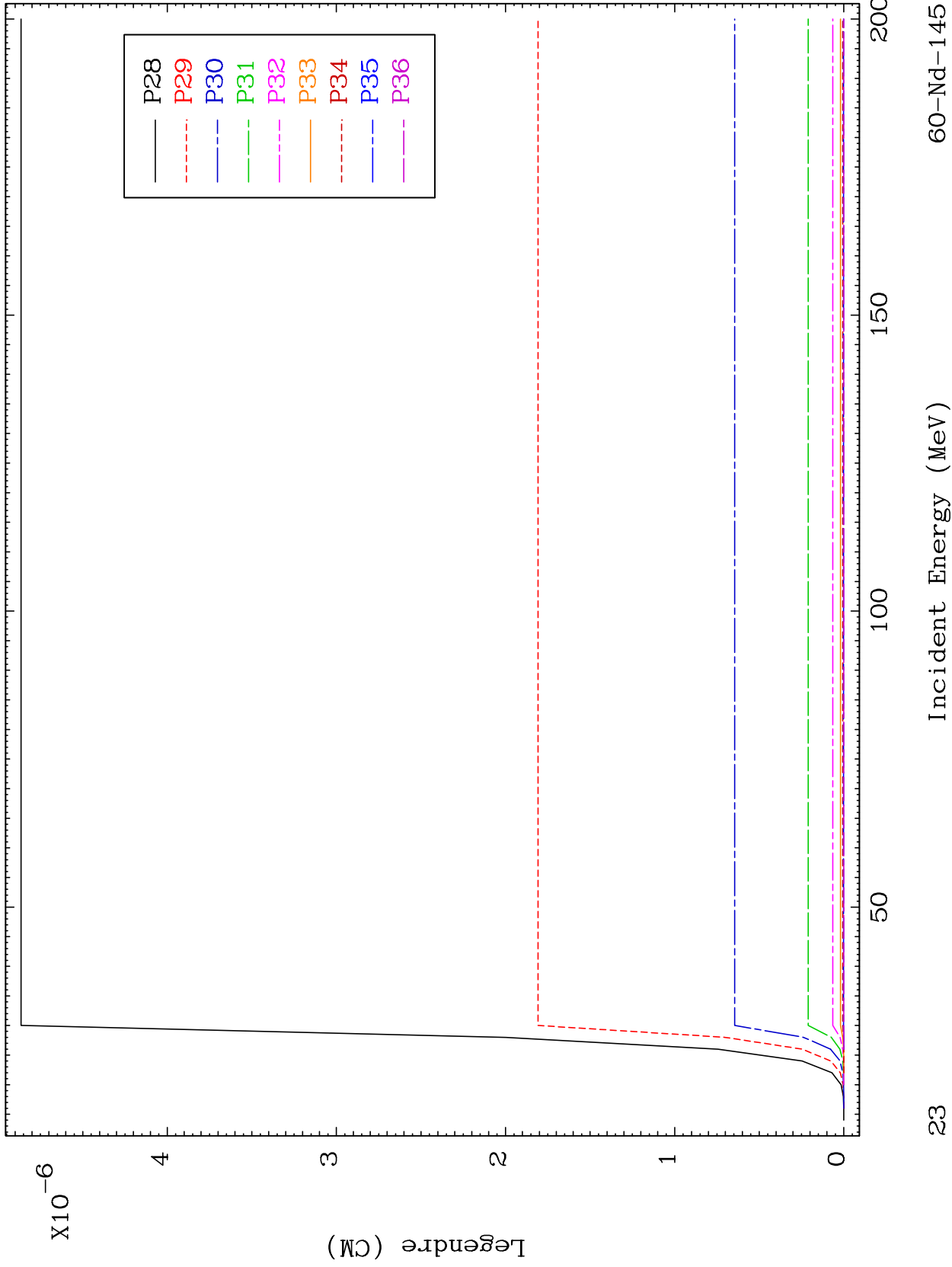
60-Nd-145



MAT 6034

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

60-Nd-145



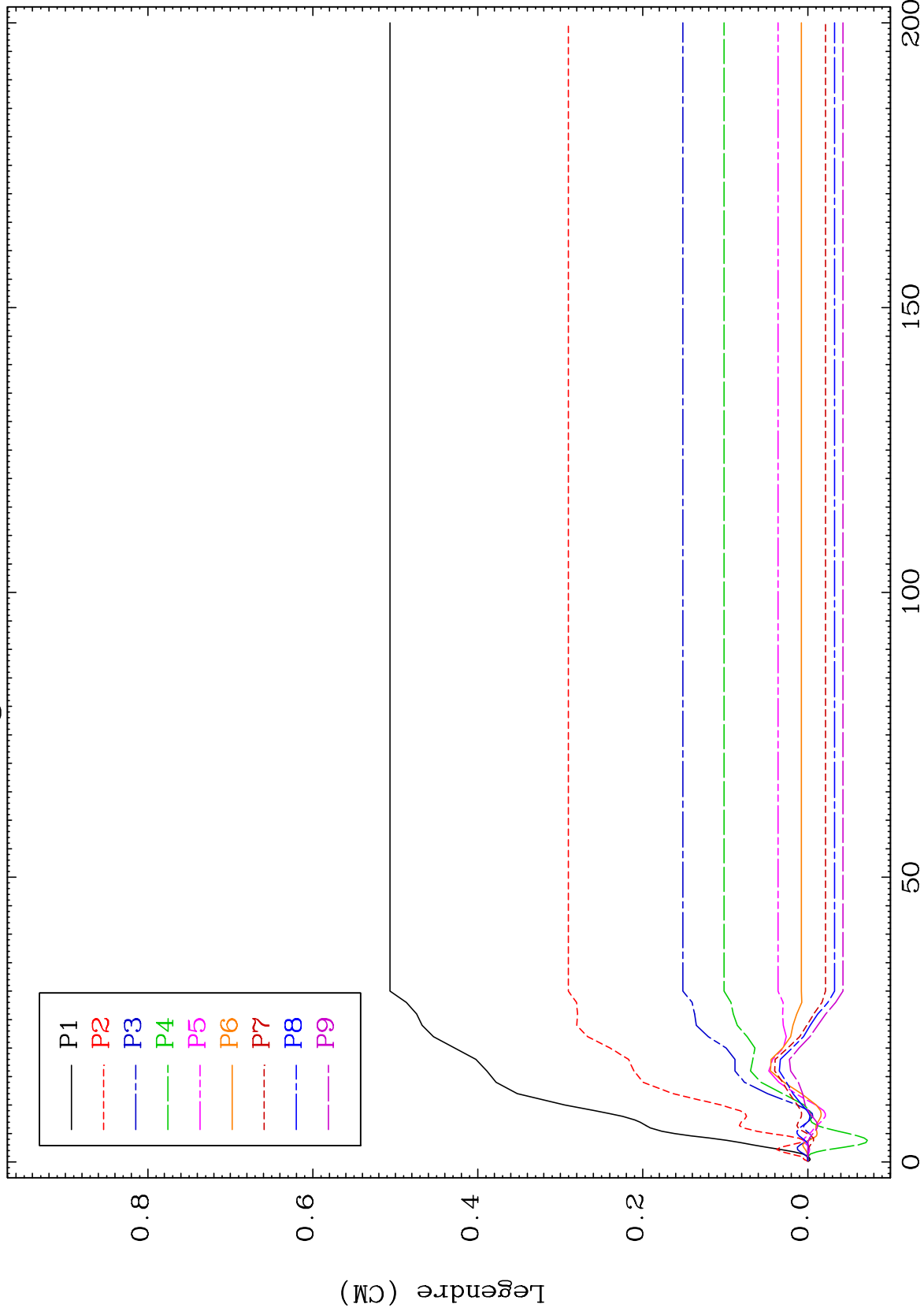
23



MAT 6034

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

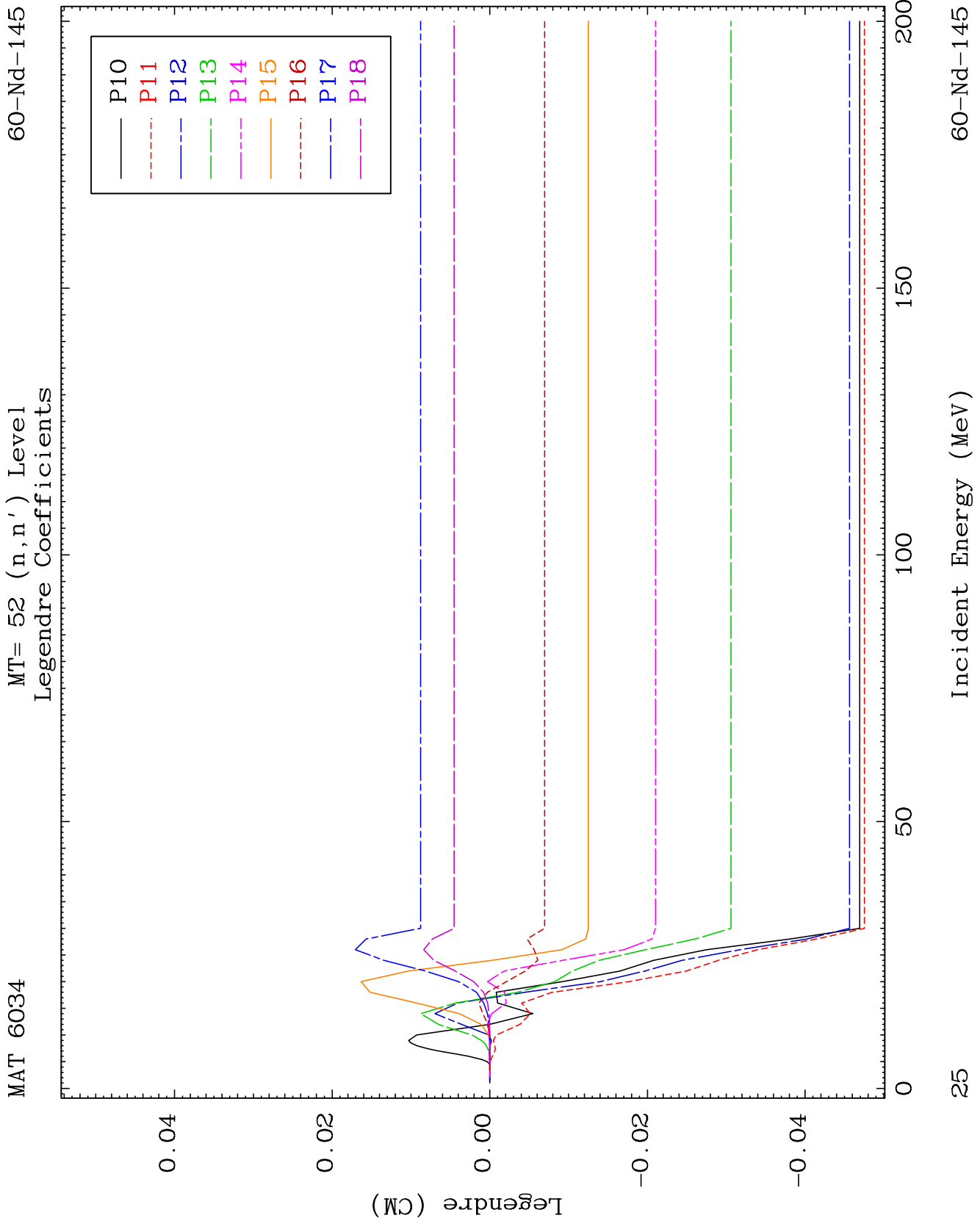
60-Nd-145



24

Incident Energy (MeV)

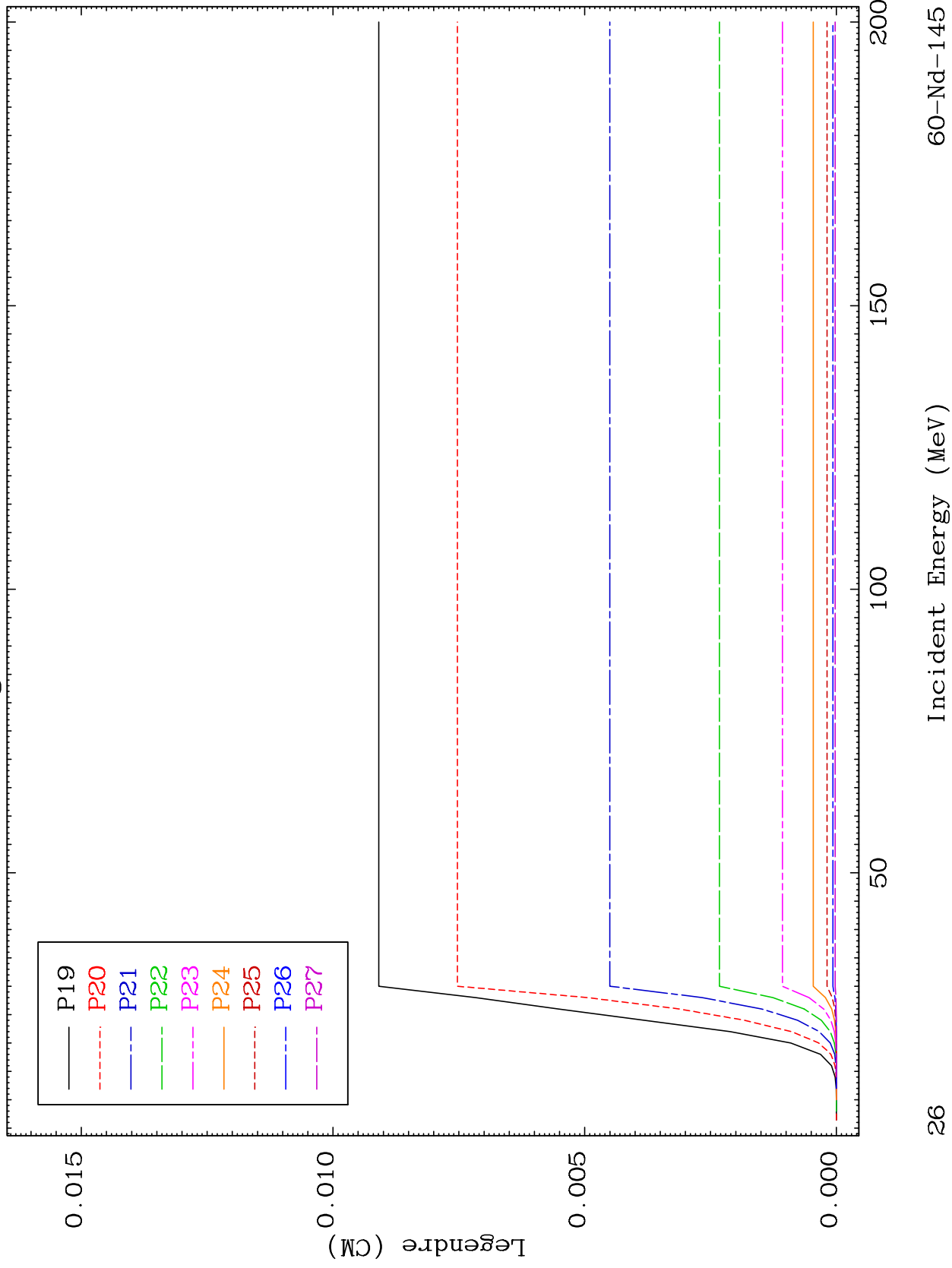
60-Nd-145



MAT 6034

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

60-Nd-145



26

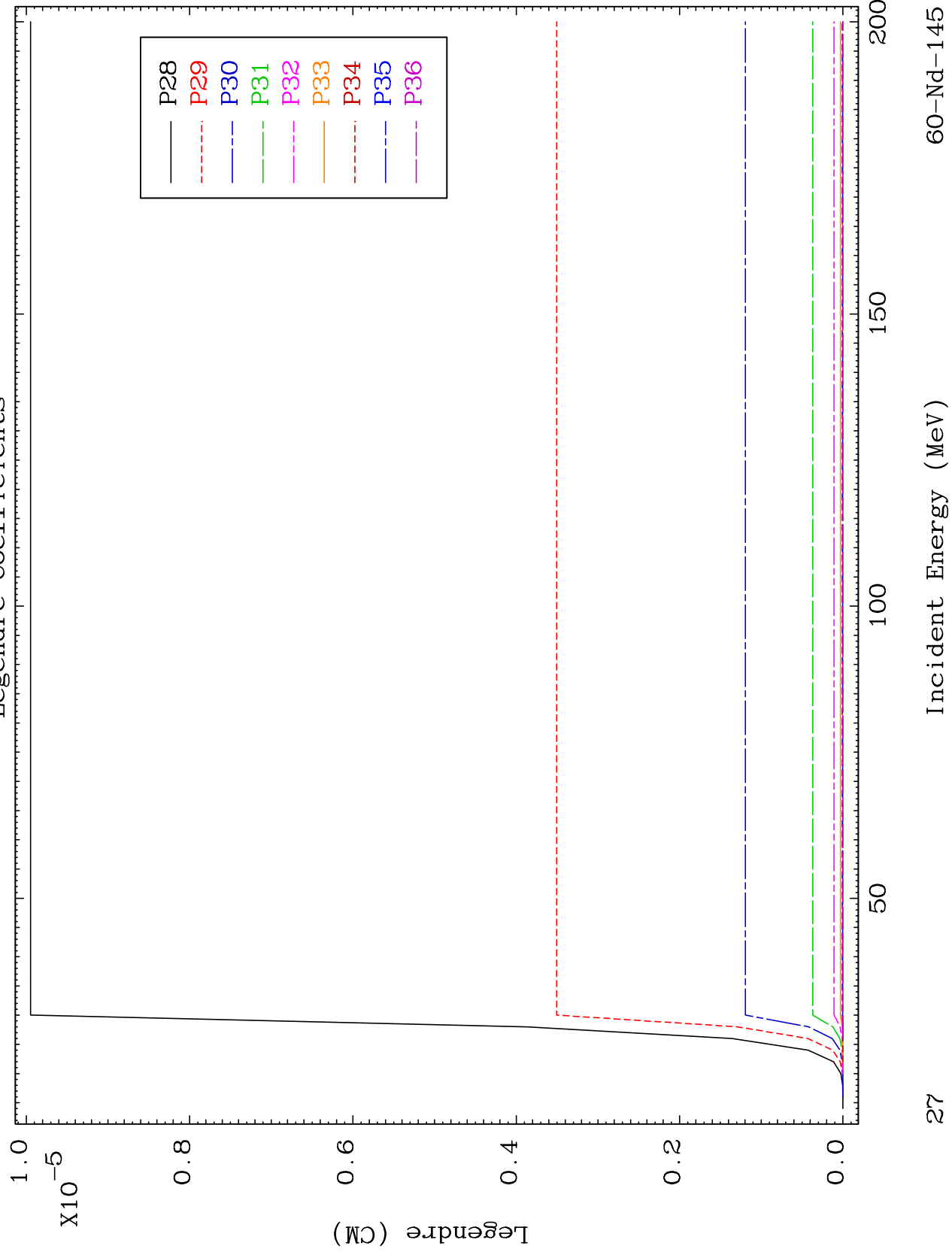
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

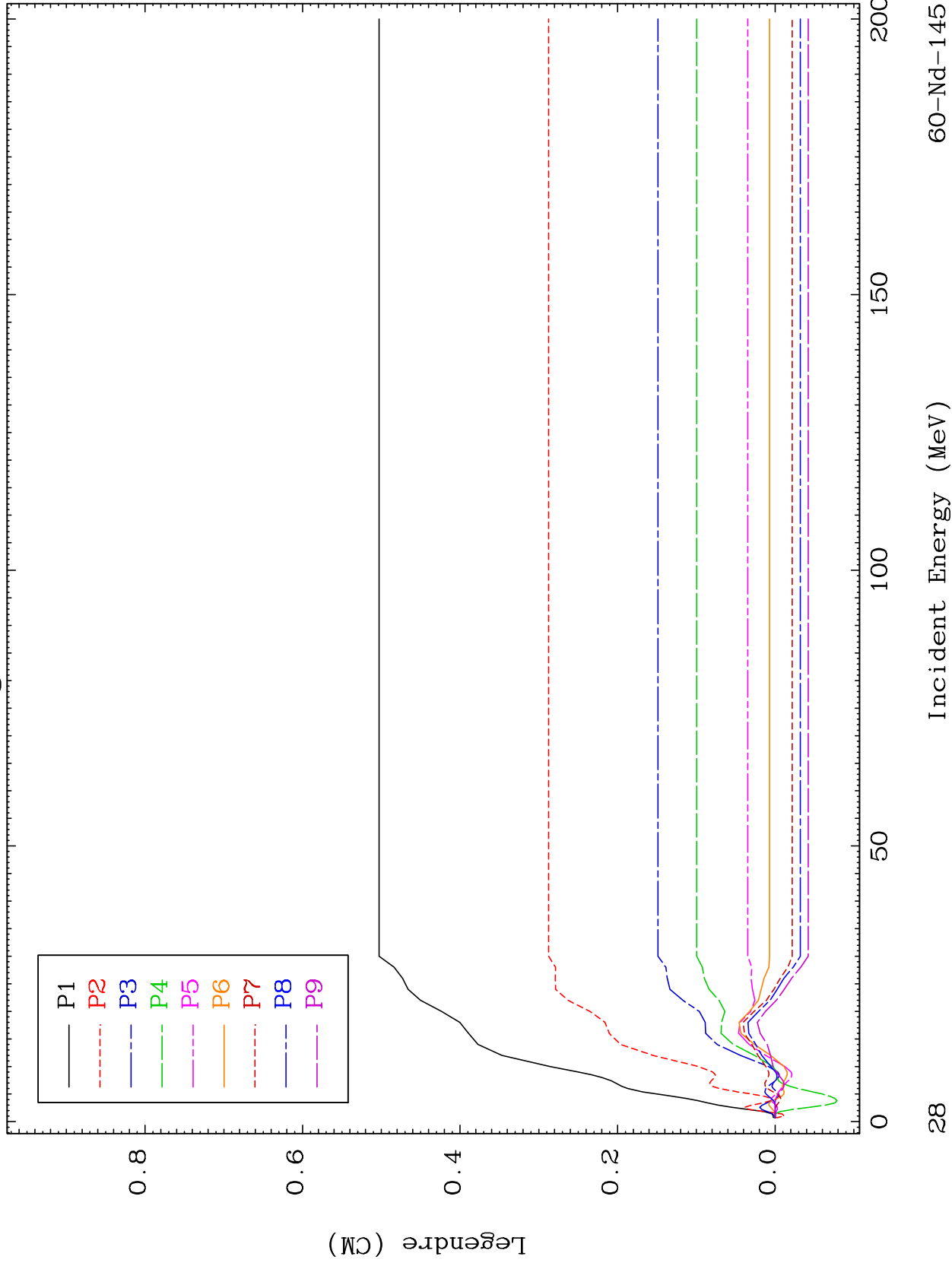
60-Nd-145



MAT 6034

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

60-Nd-145

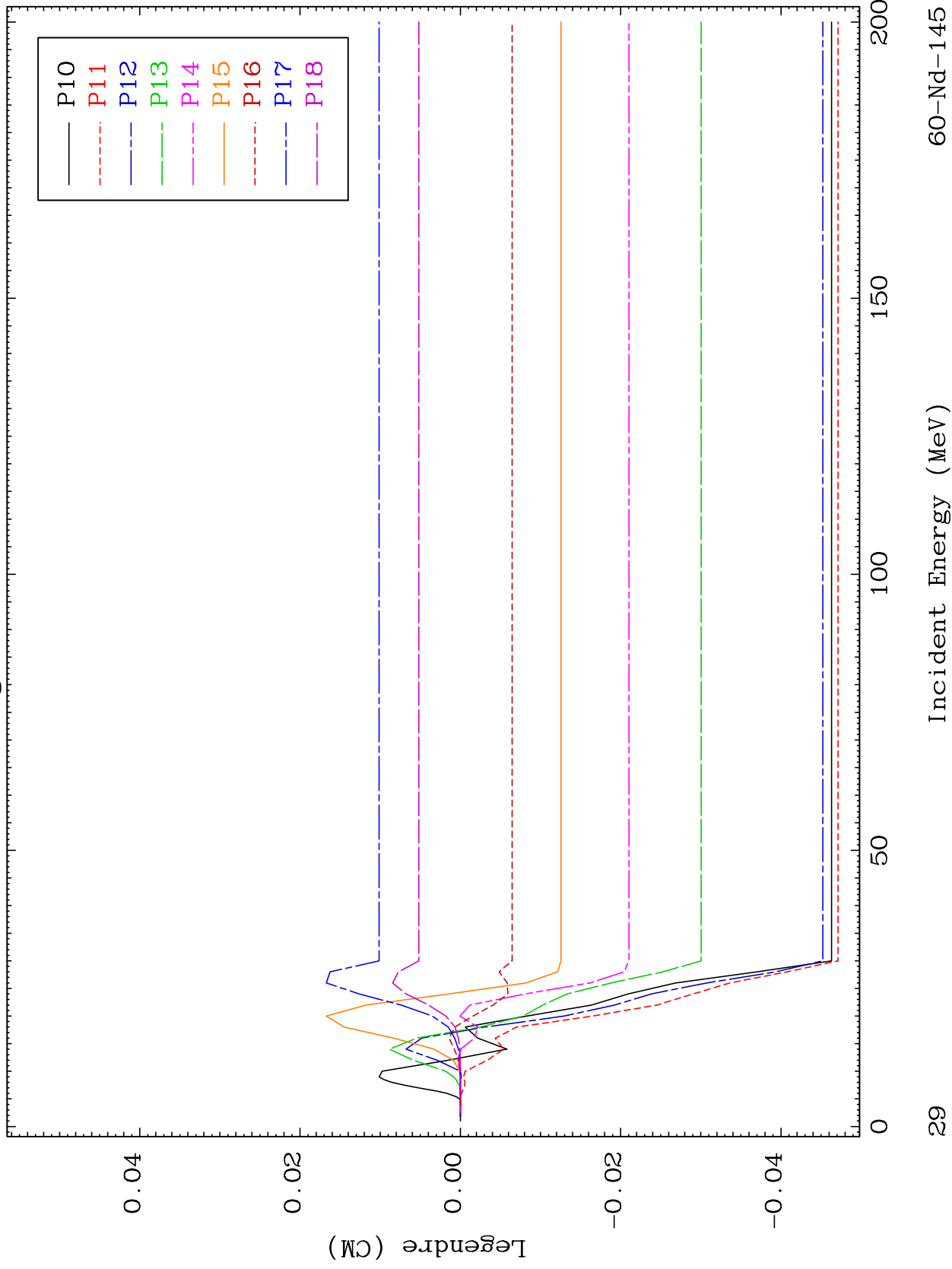


28

MAT 6034

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

60-Nd-145



29

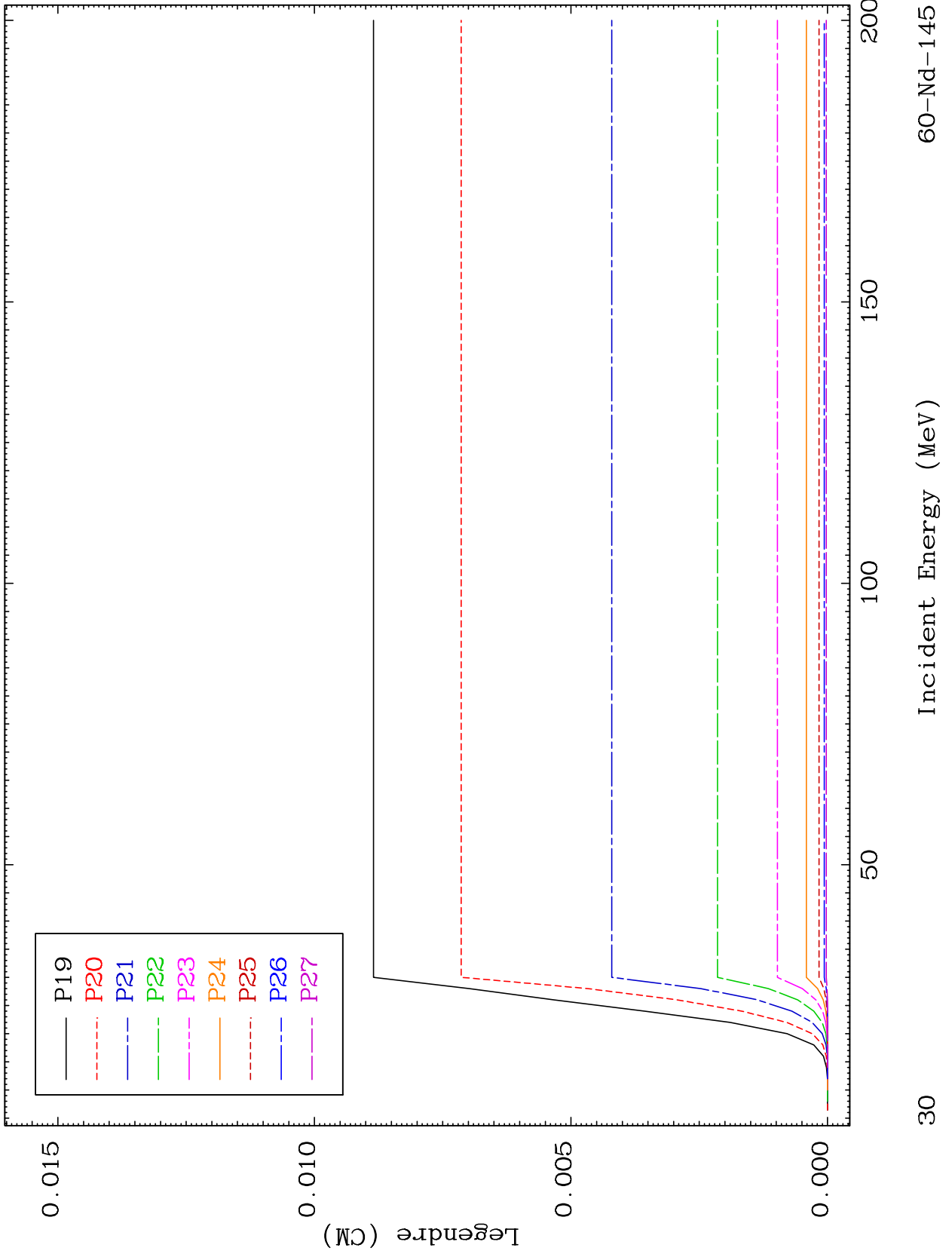
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



30

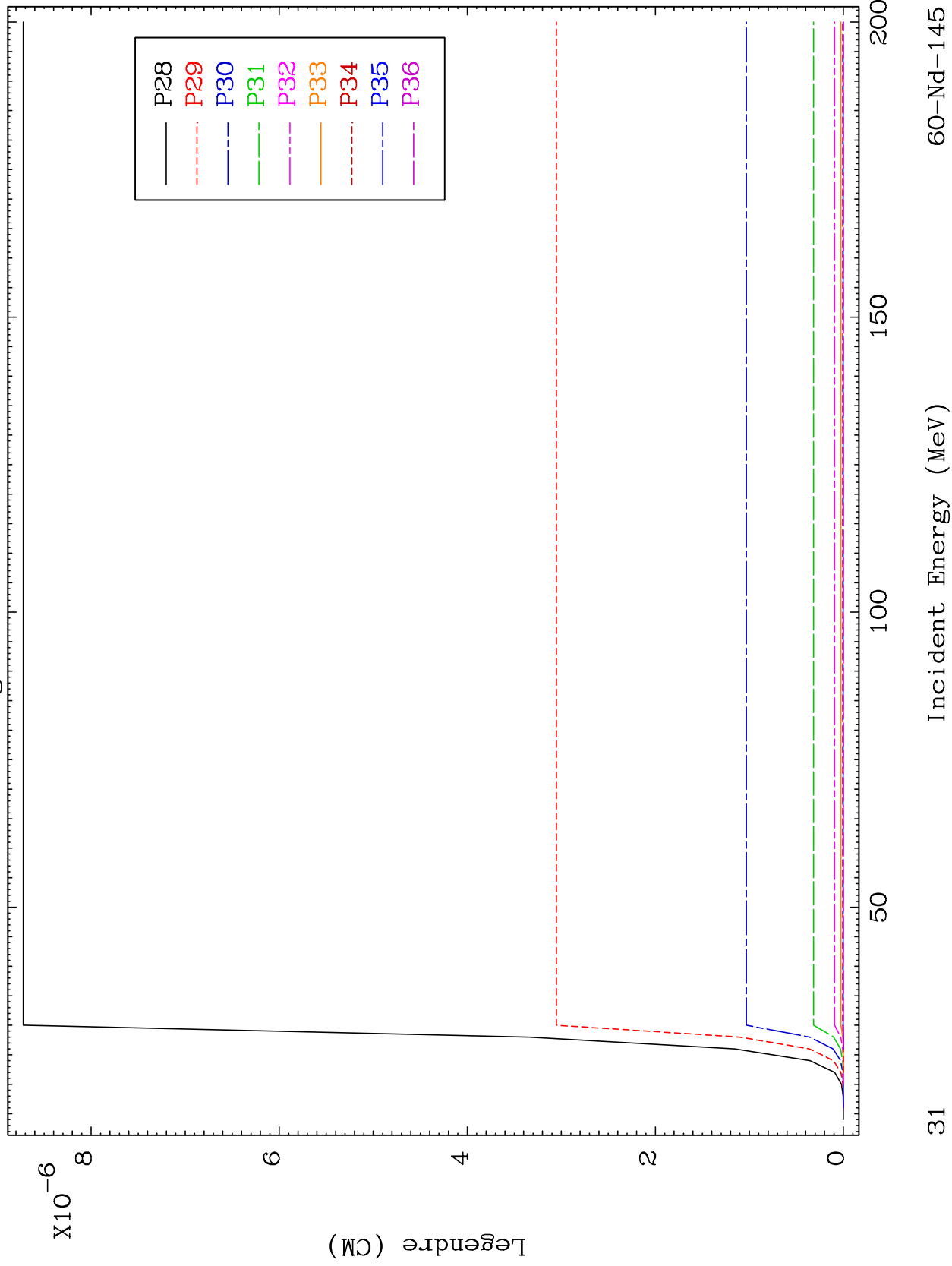
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



31

Incident Energy (MeV)

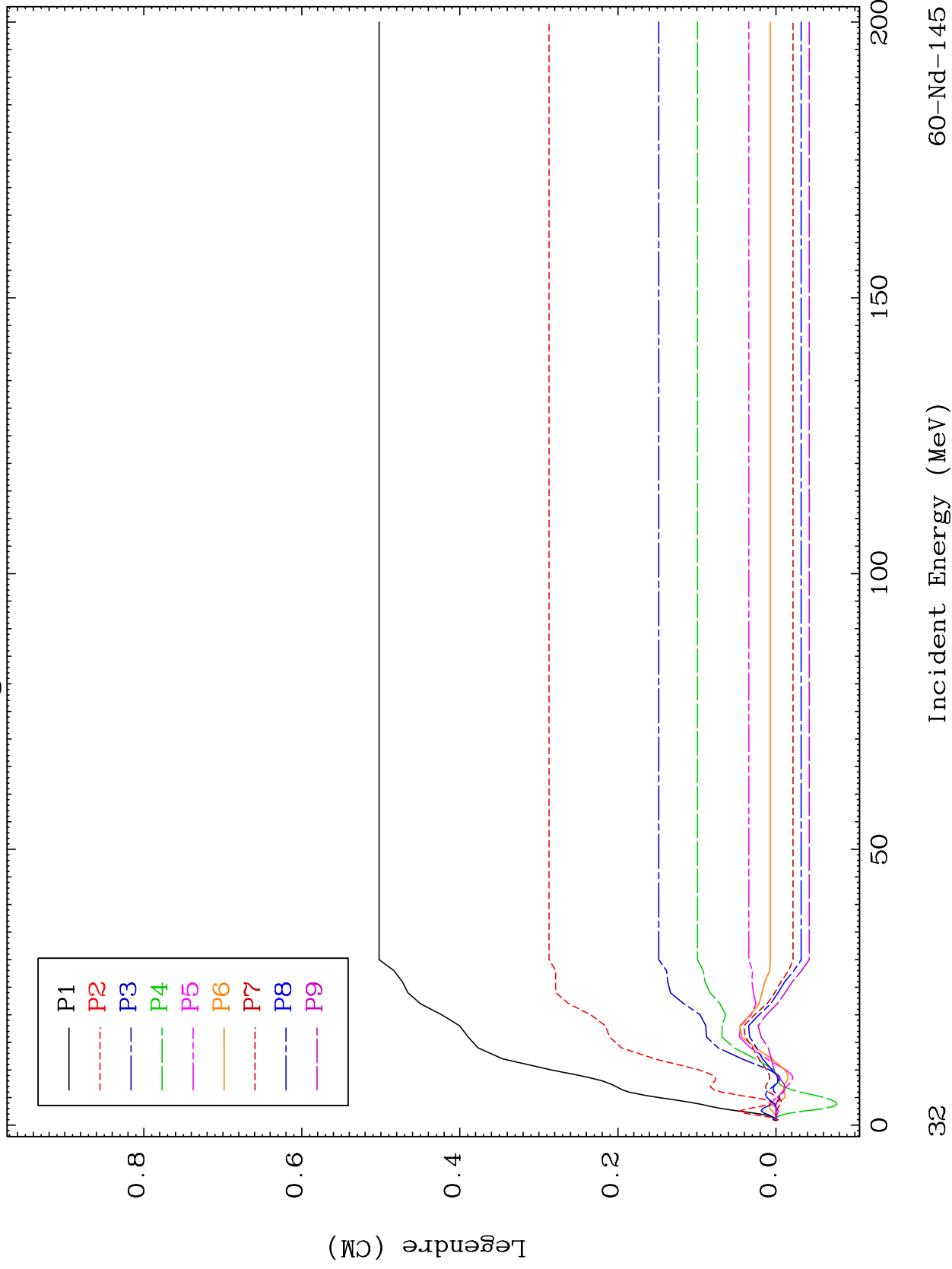
60-Nd-145



MAT 6034

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

60-Nd-145



32

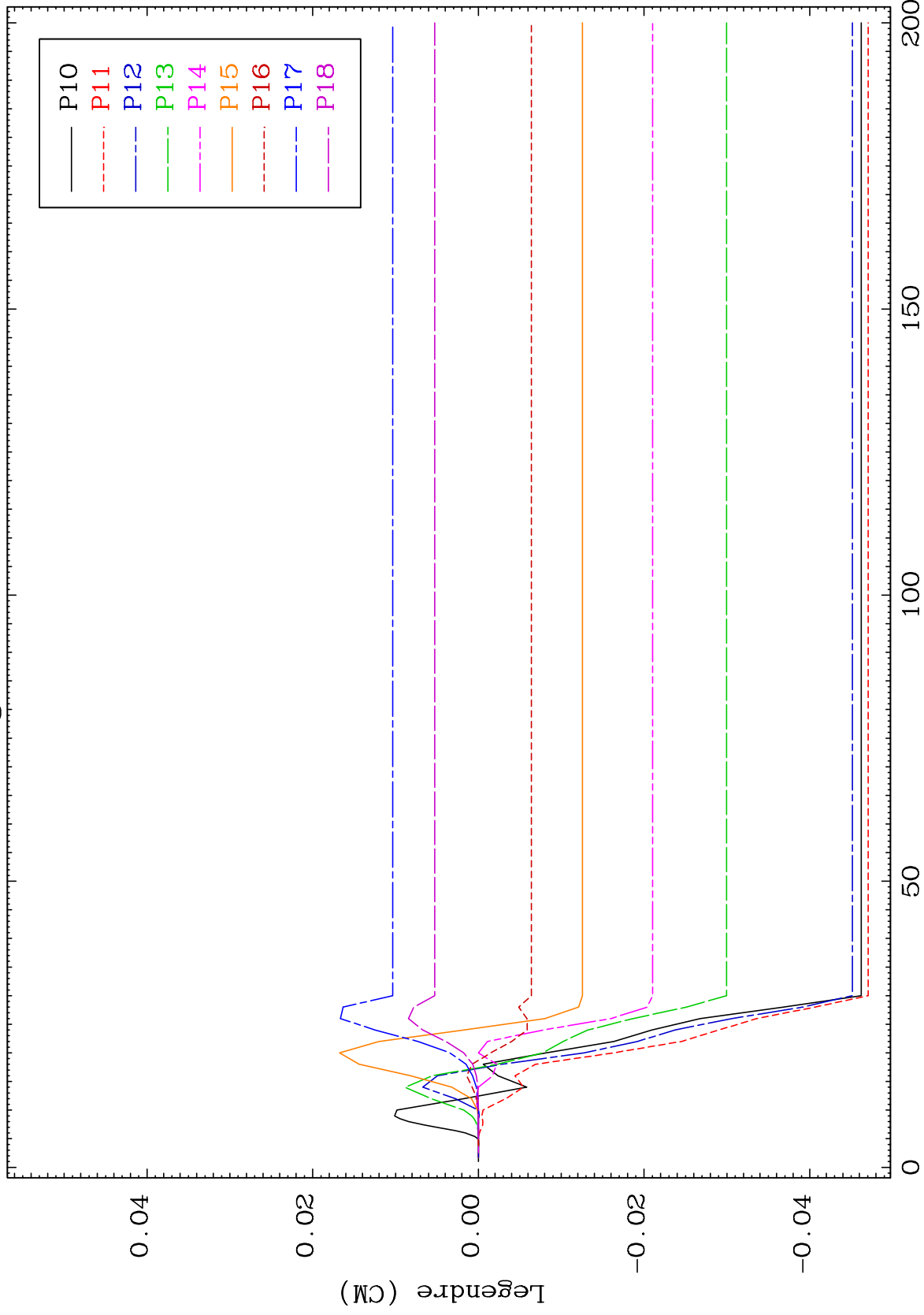
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



33

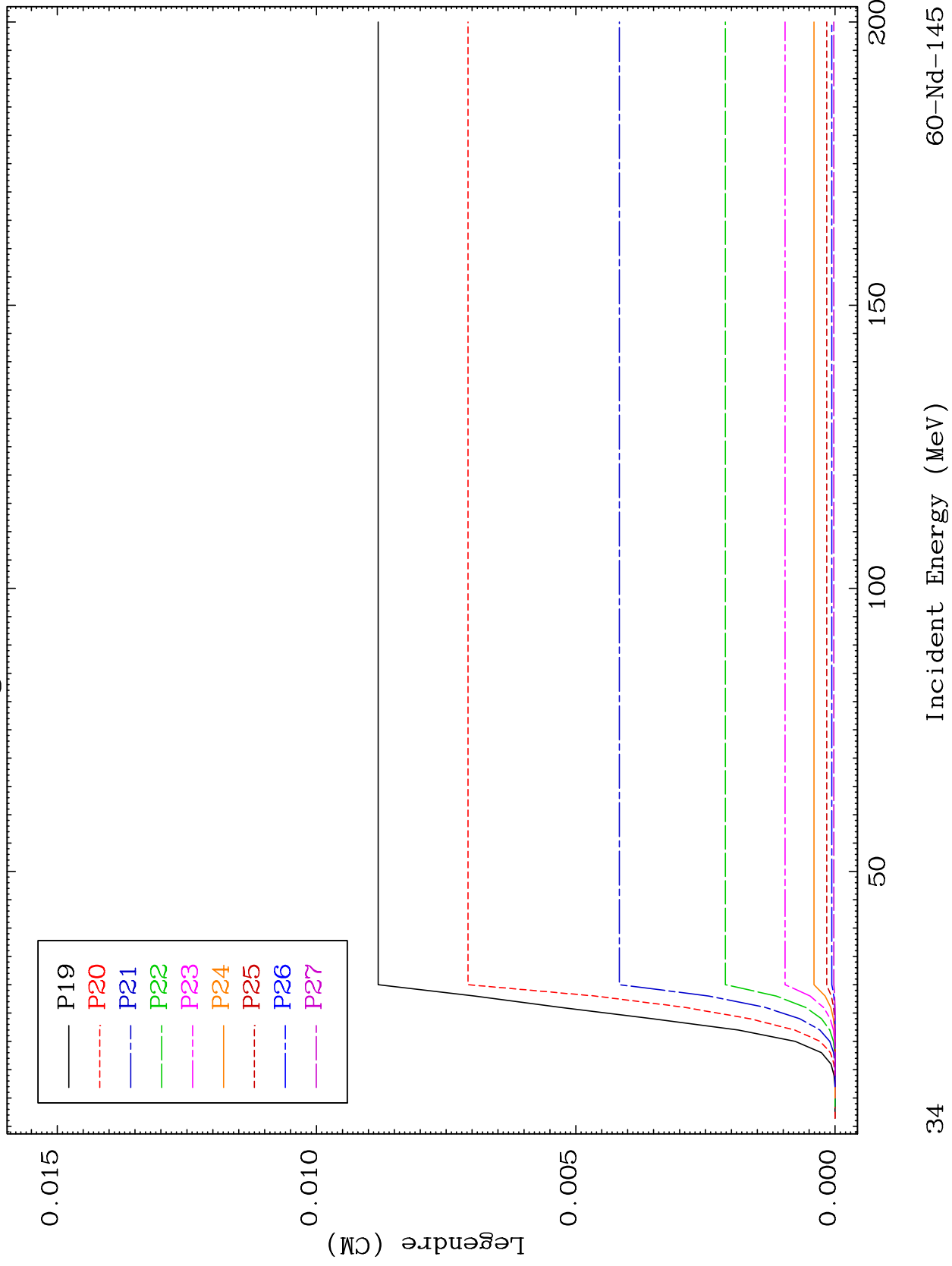
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

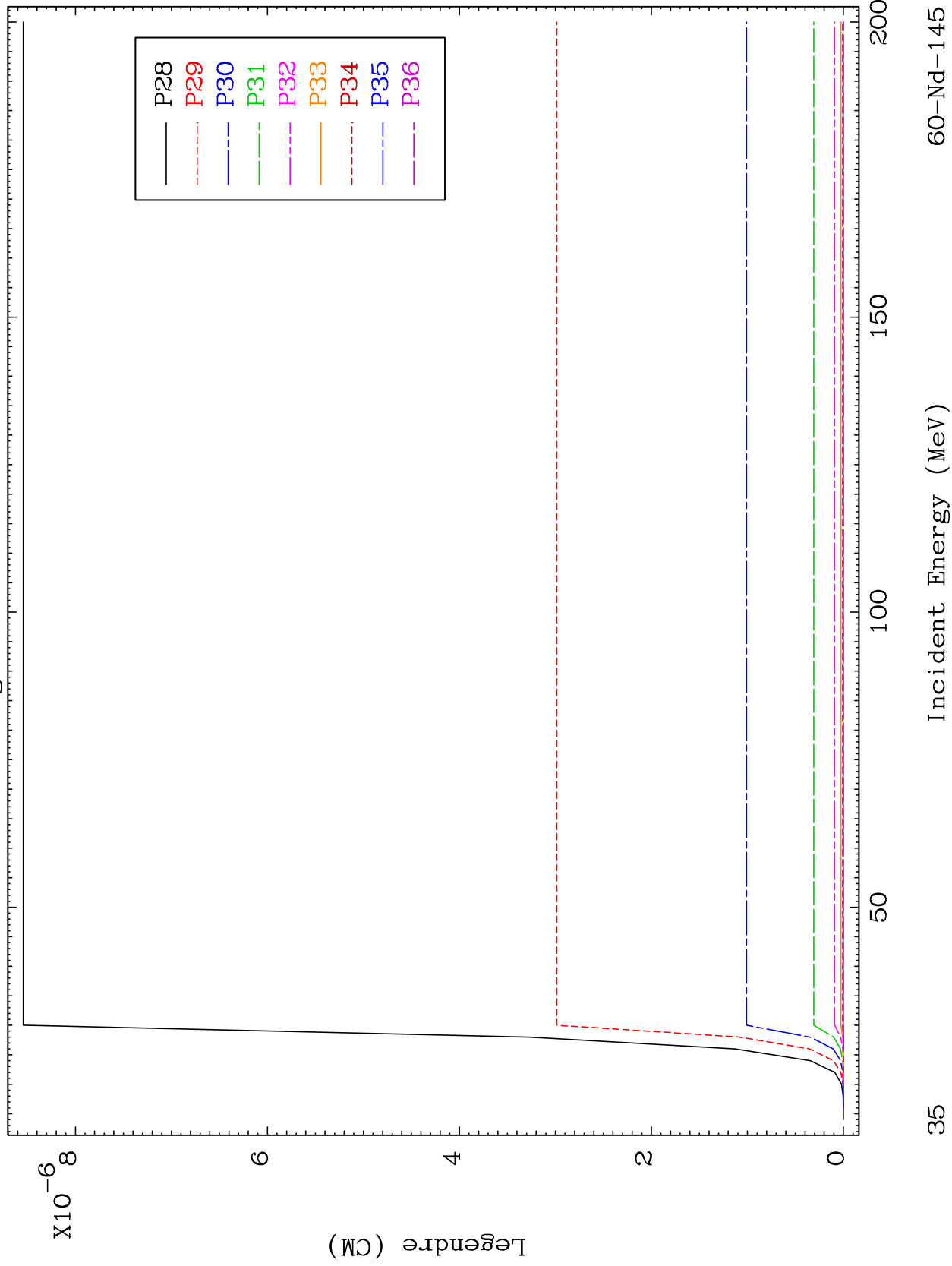
60-Nd-145



MAT 6034

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

60-Nd-145



35

Incident Energy (MeV)

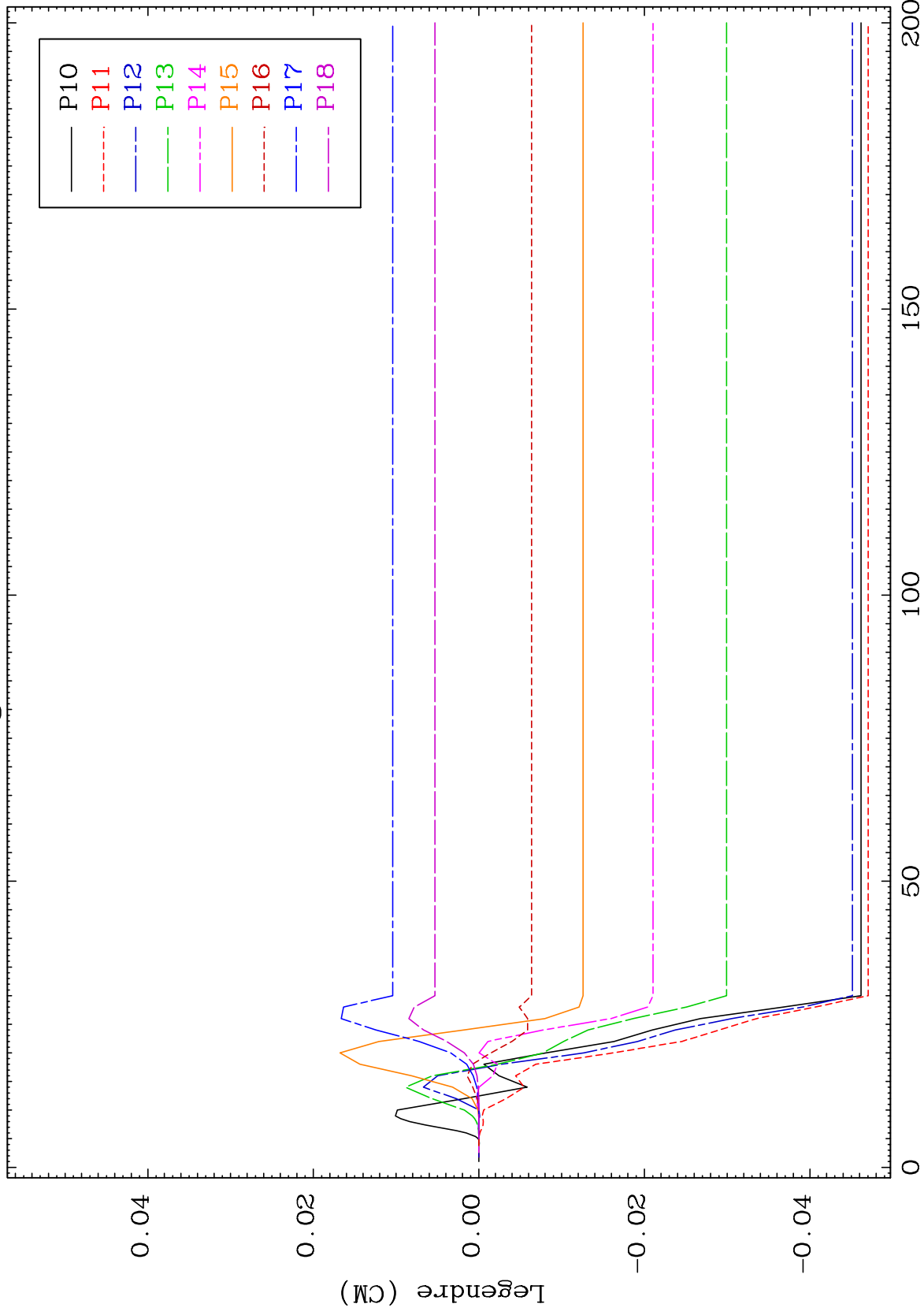
60-Nd-145



MAT 6034

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

60-Nd-145



37

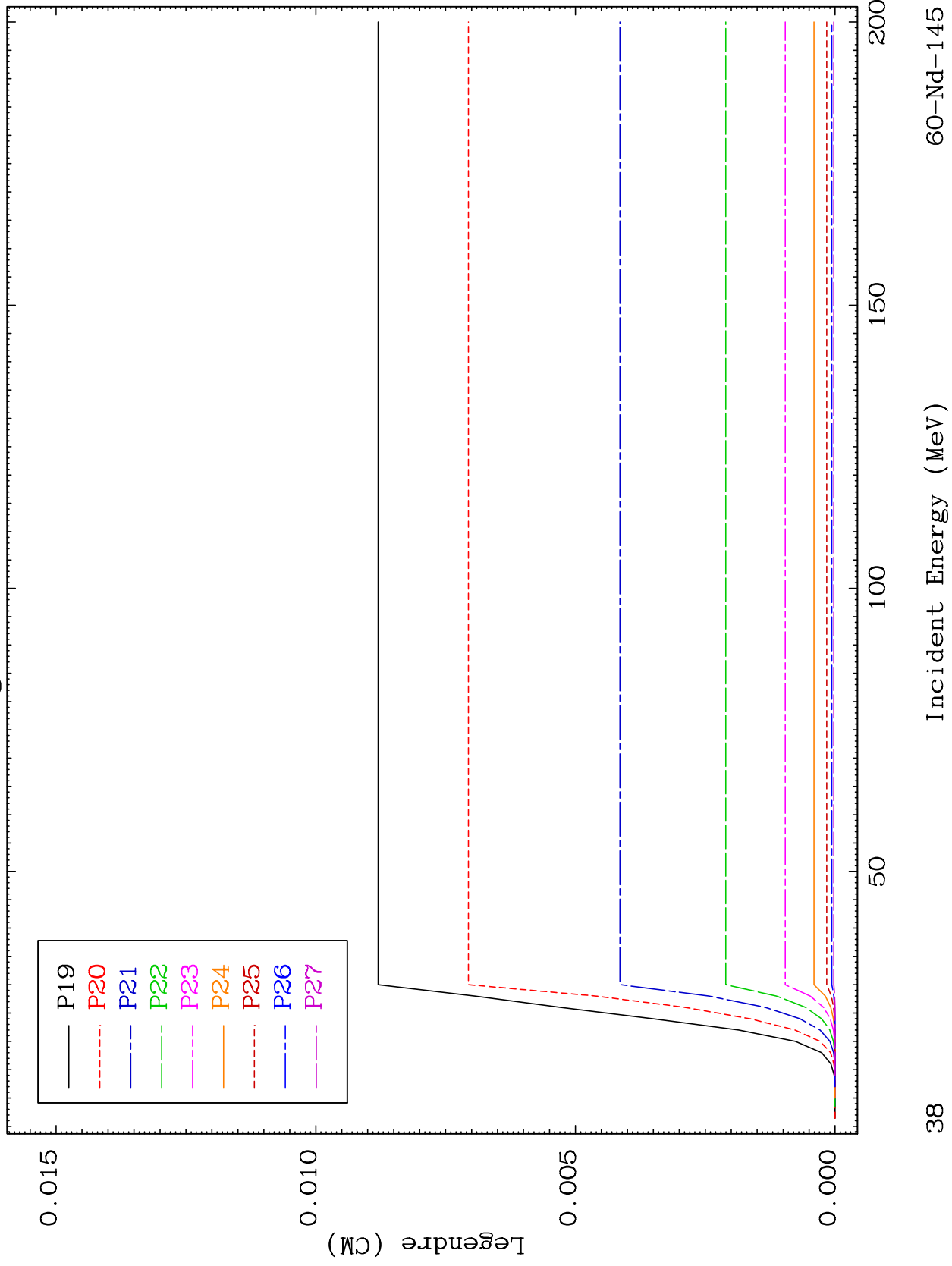
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



38

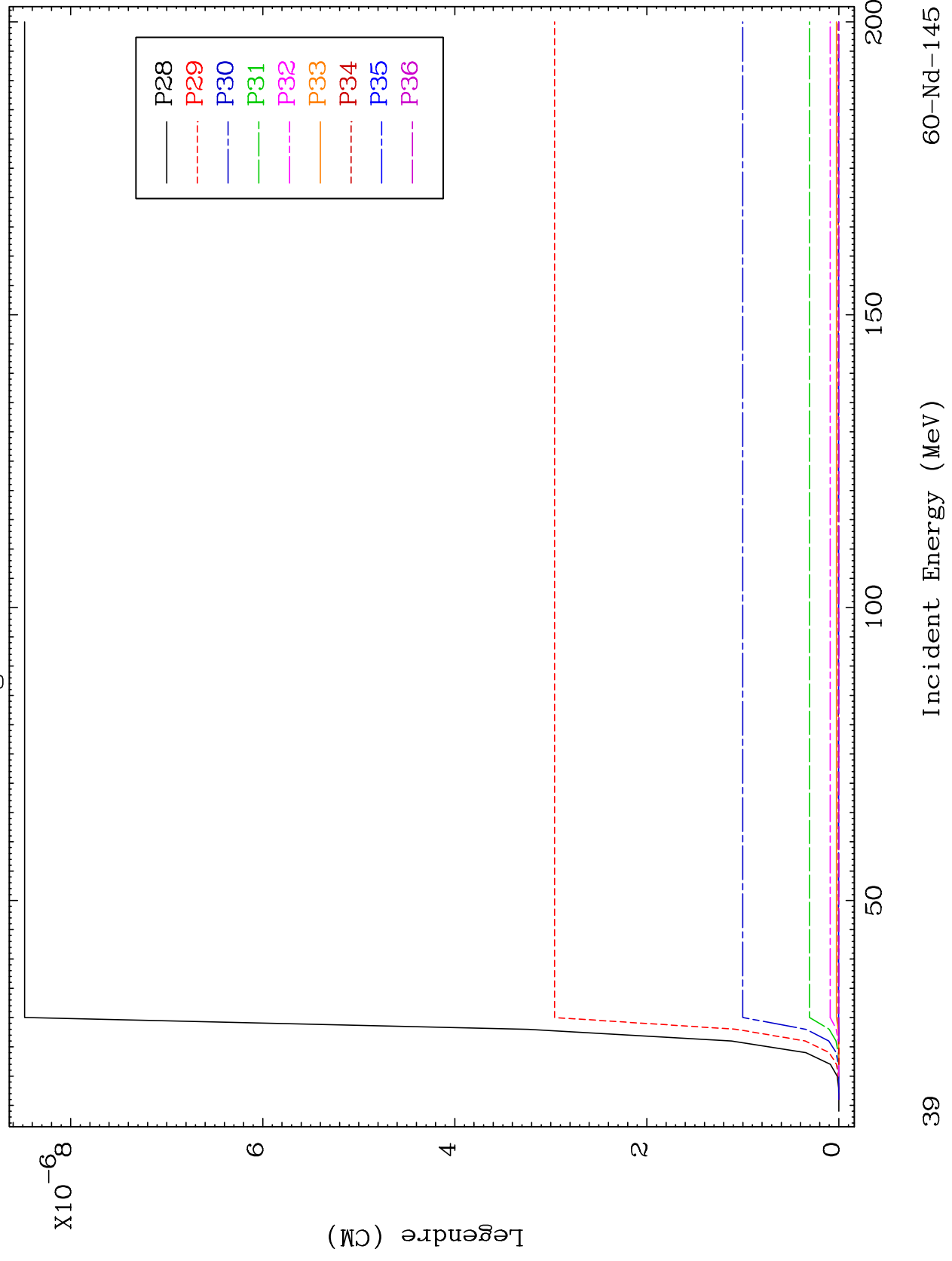
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145

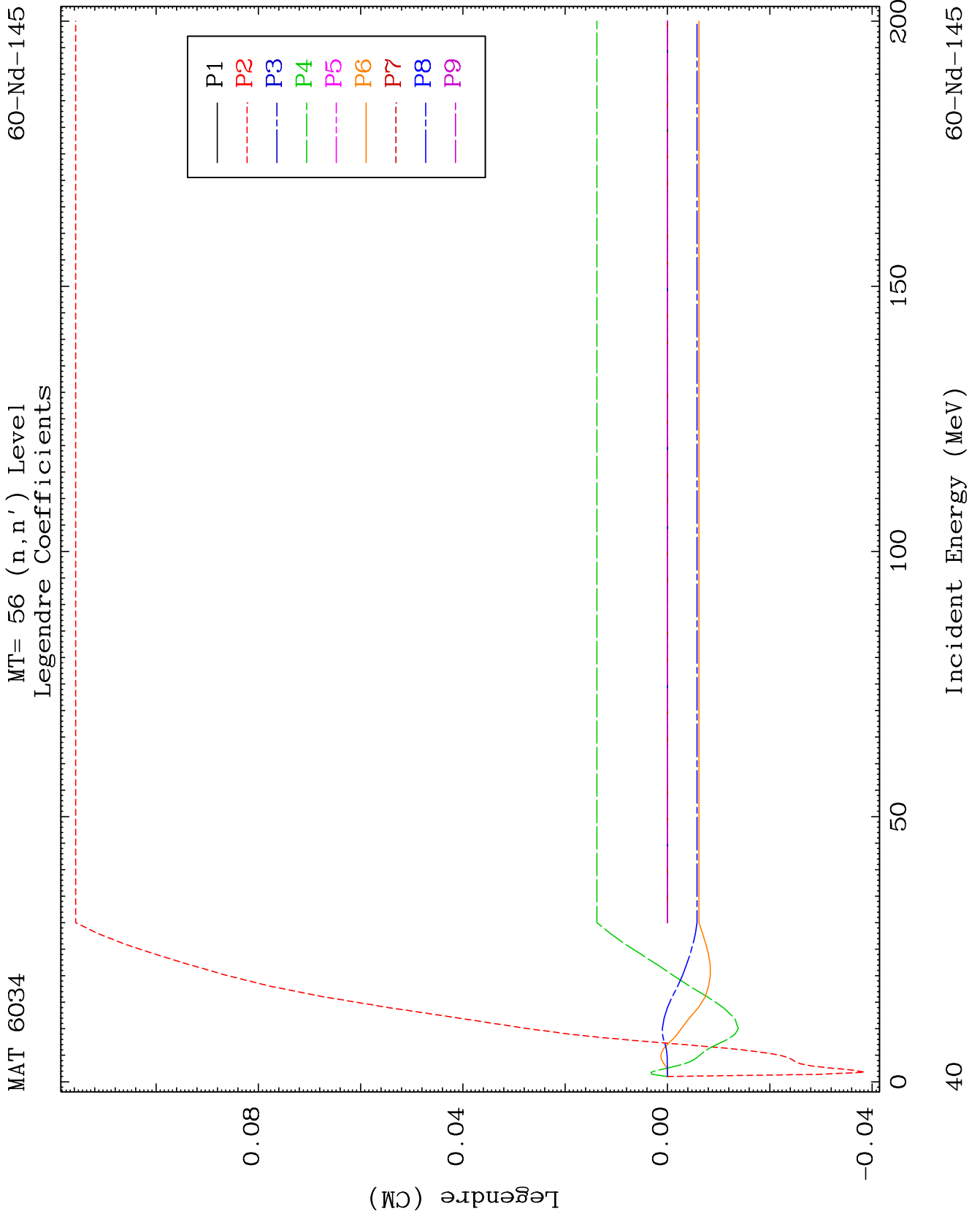


39

Incident Energy (MeV)

60-Nd-145

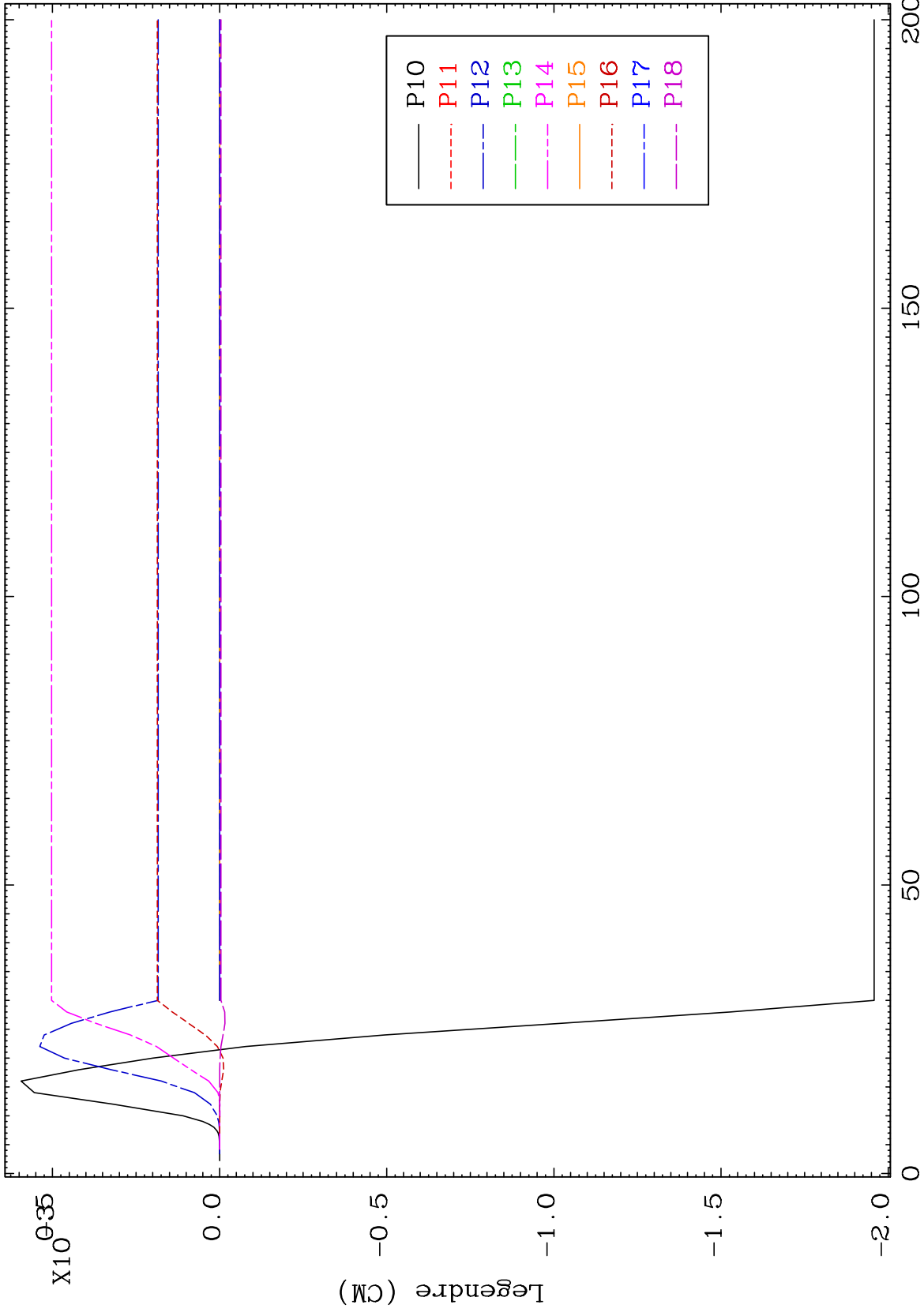




MAT 6034

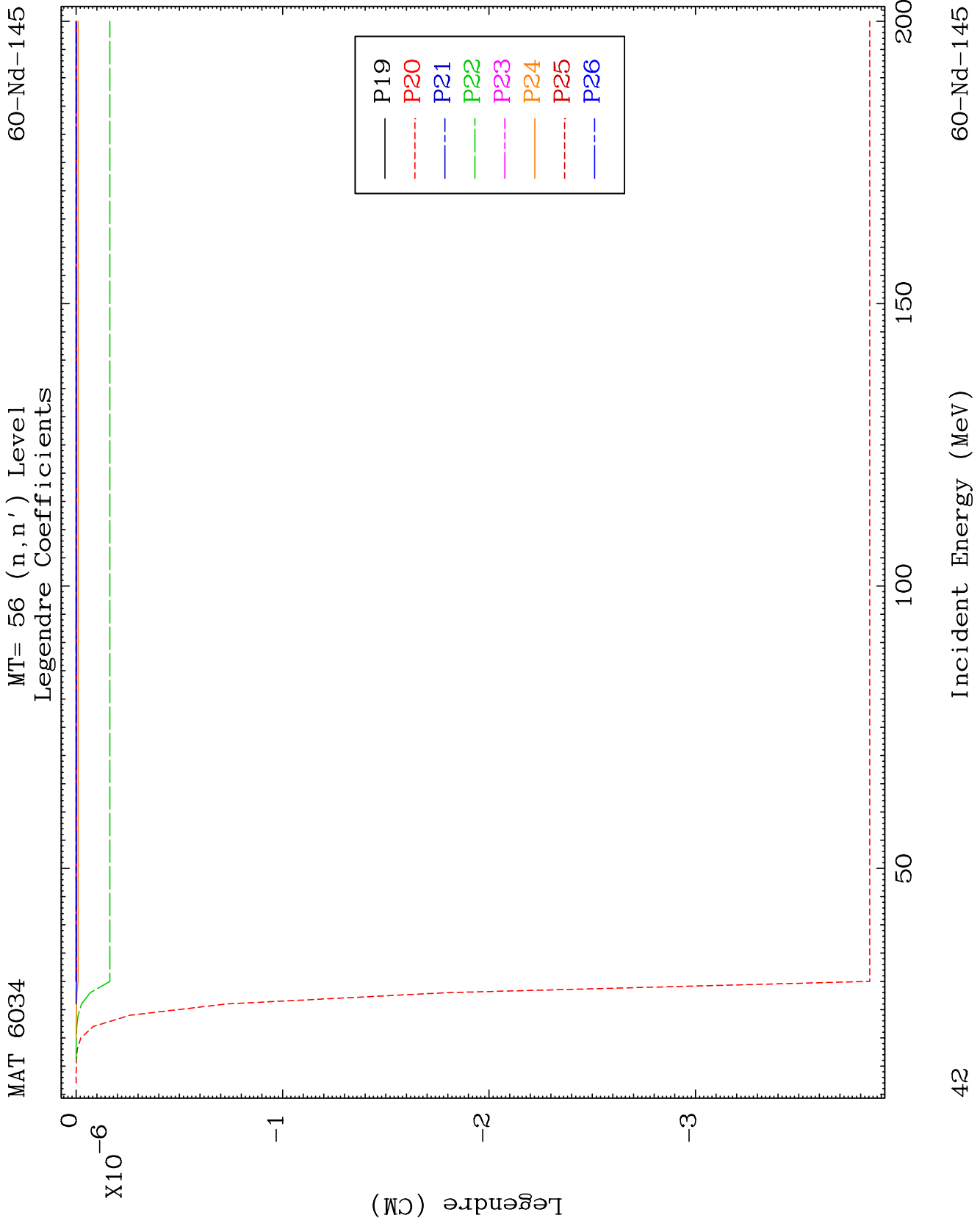
MT= 56 (n,n') Level  
Legendre Coefficients

60-Nd-145



41

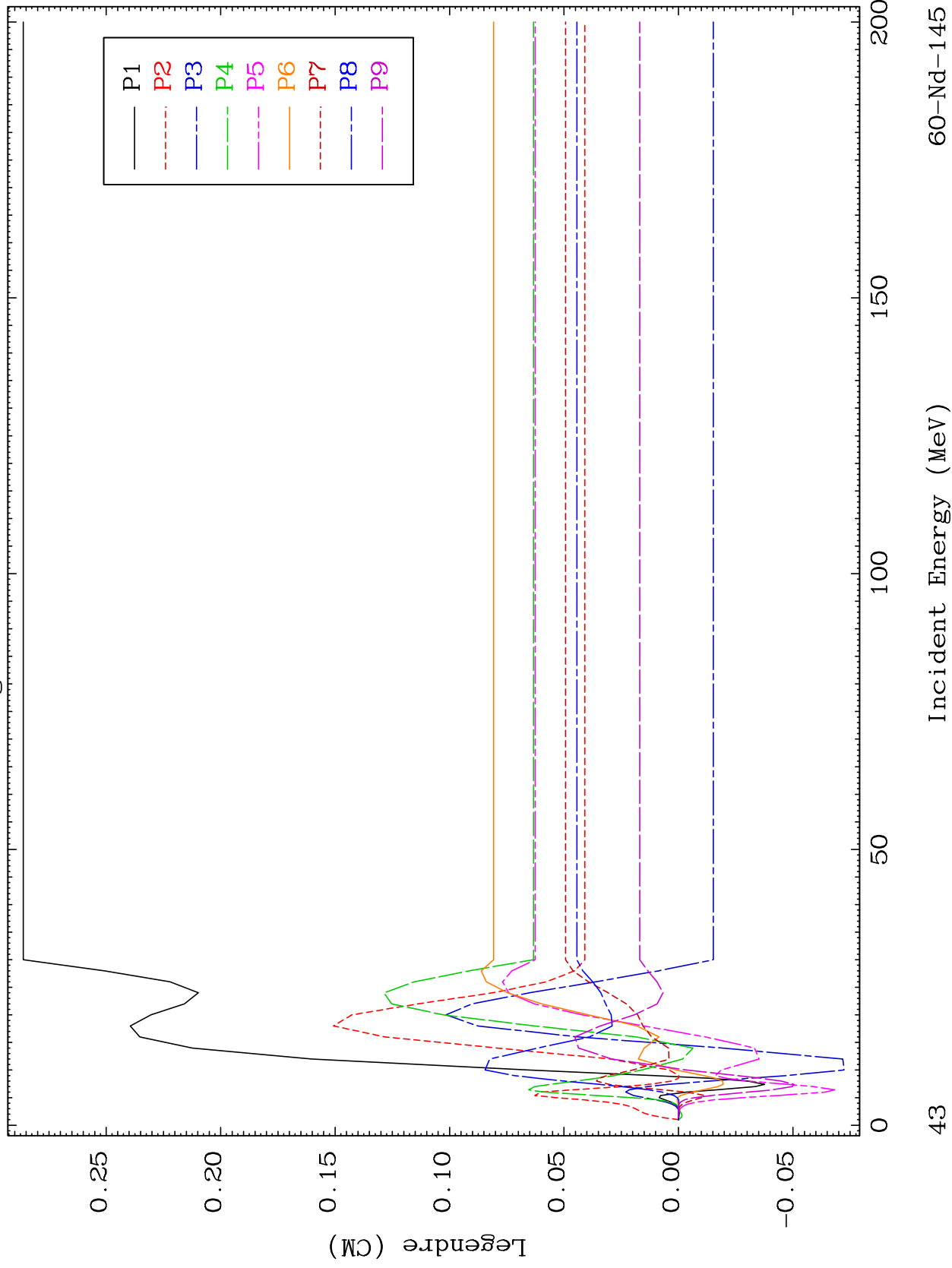
60-Nd-145



MAT 6034

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

60-Nd-145



43

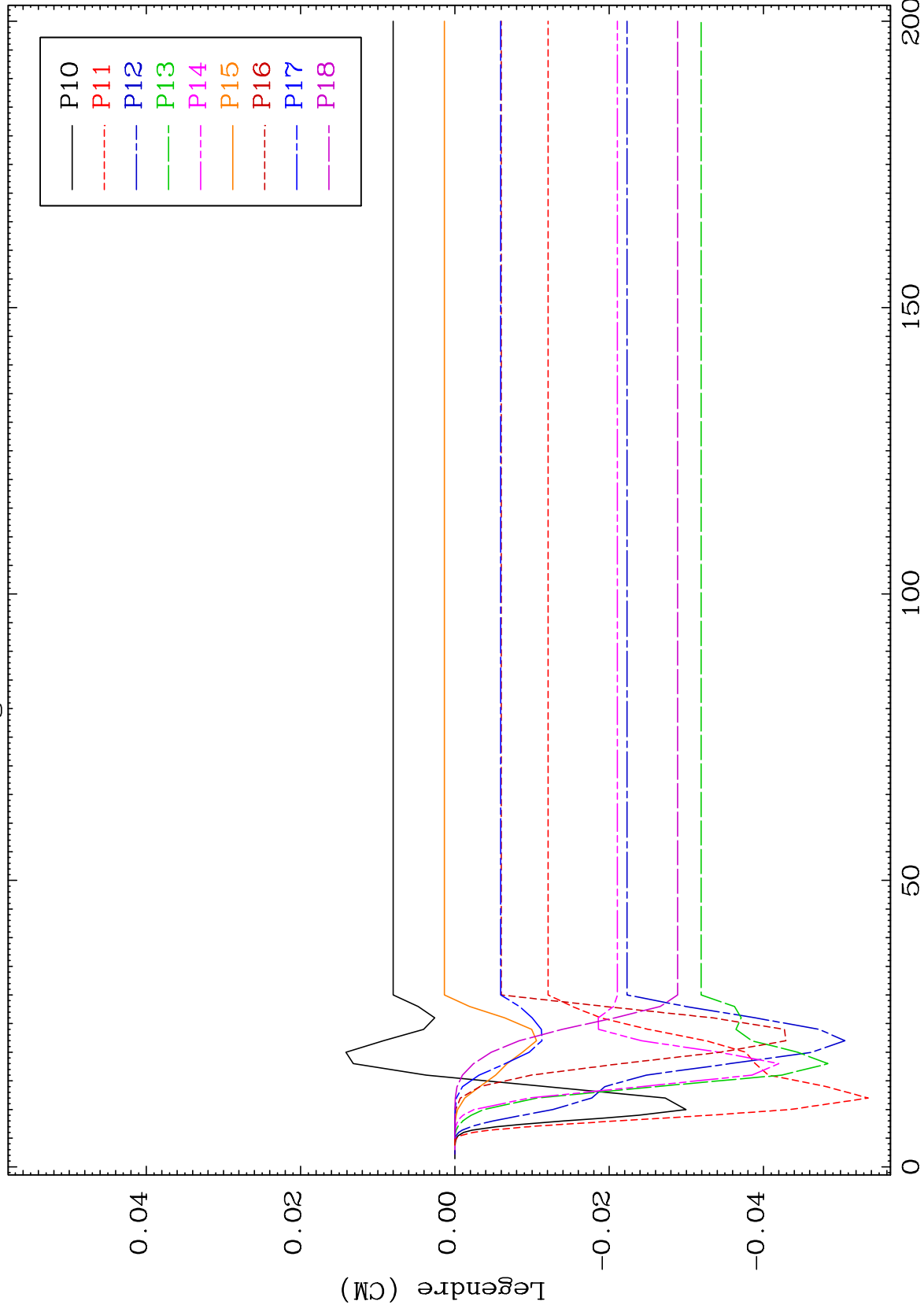
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145

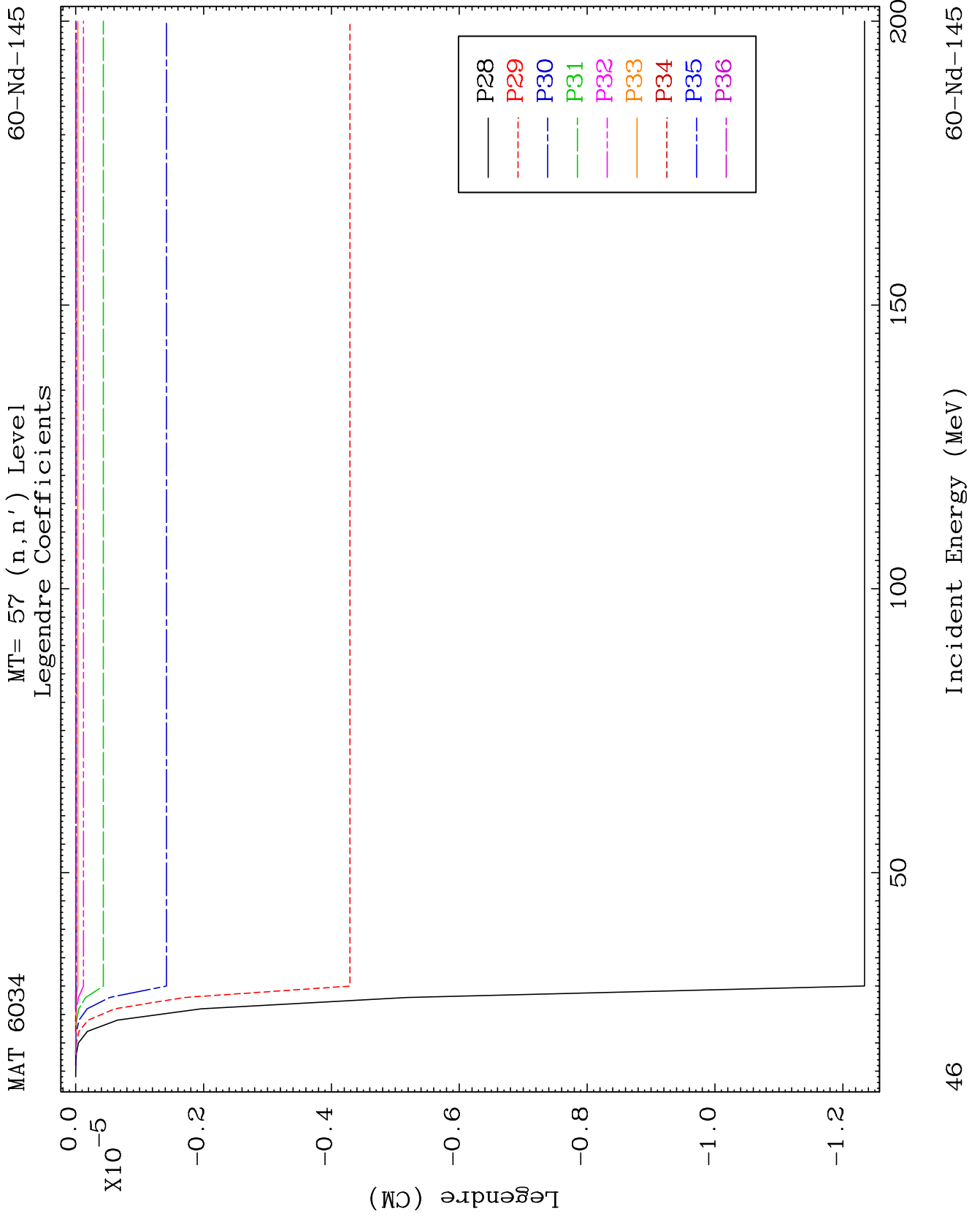


60-Nd-145

Incident Energy (MeV)

44





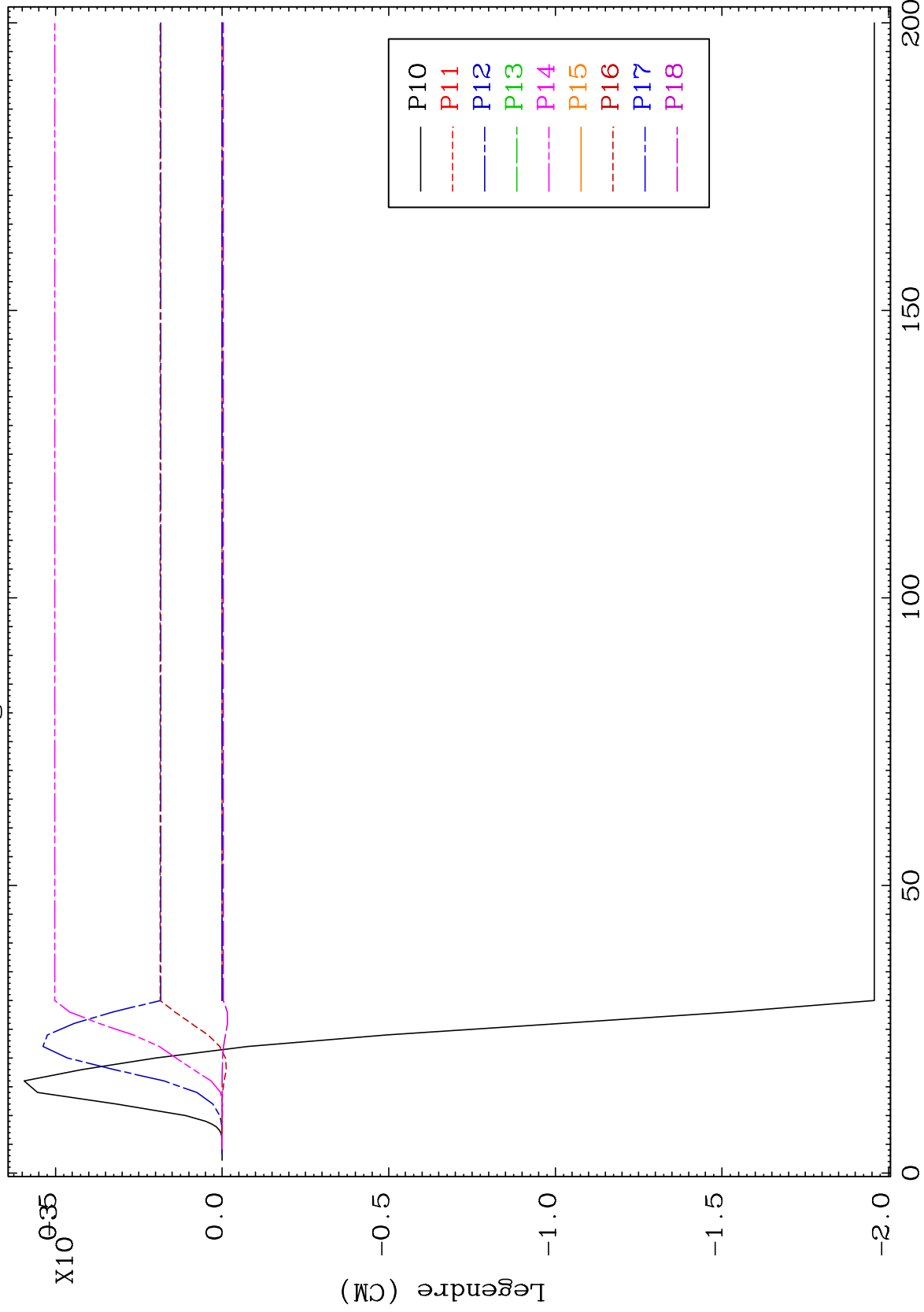




MAT 6034

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

60-Nd-145



48

Incident Energy (MeV)

60-Nd-145

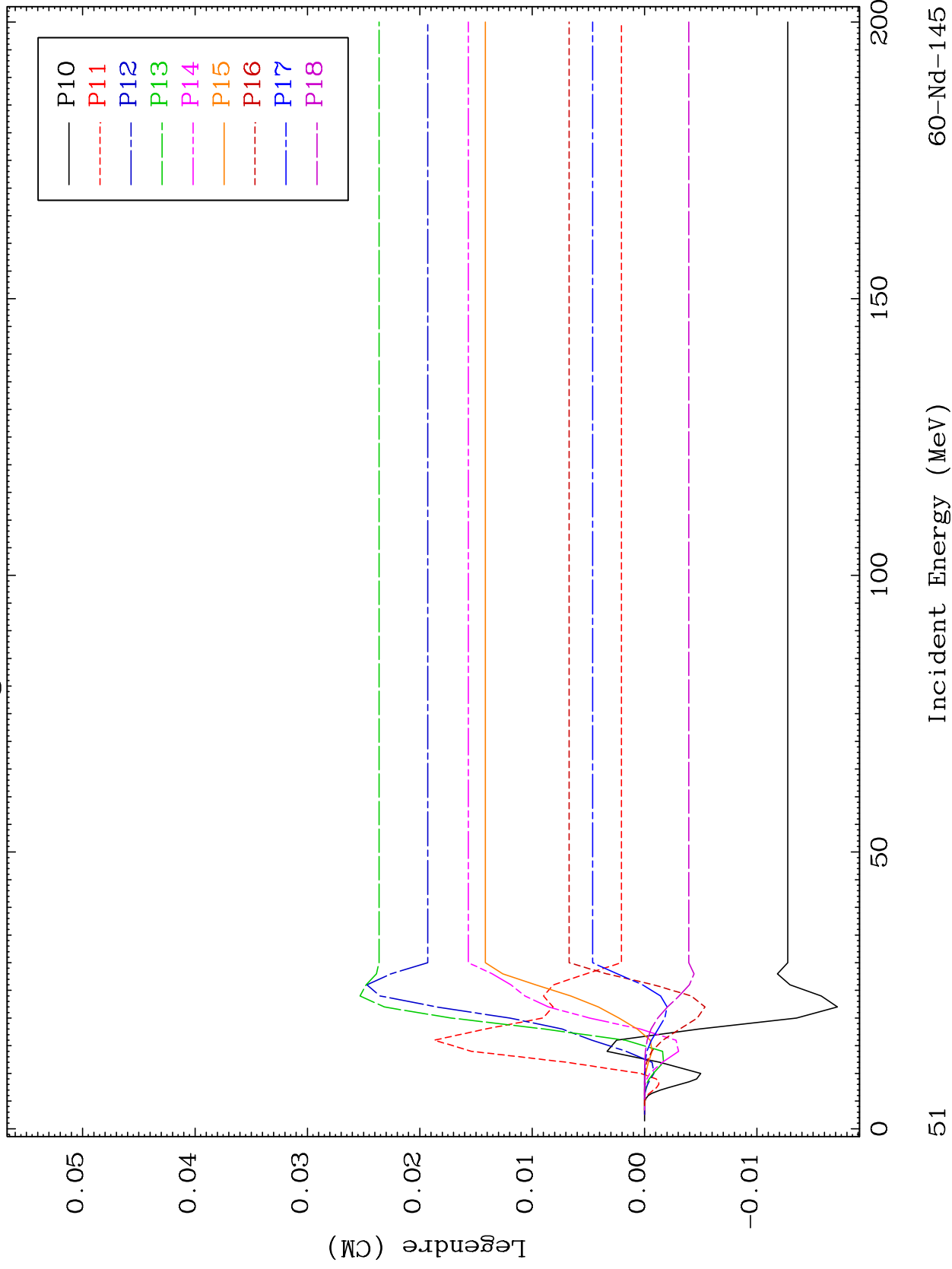




MAT 6034

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

60-Nd-145



60-Nd-145

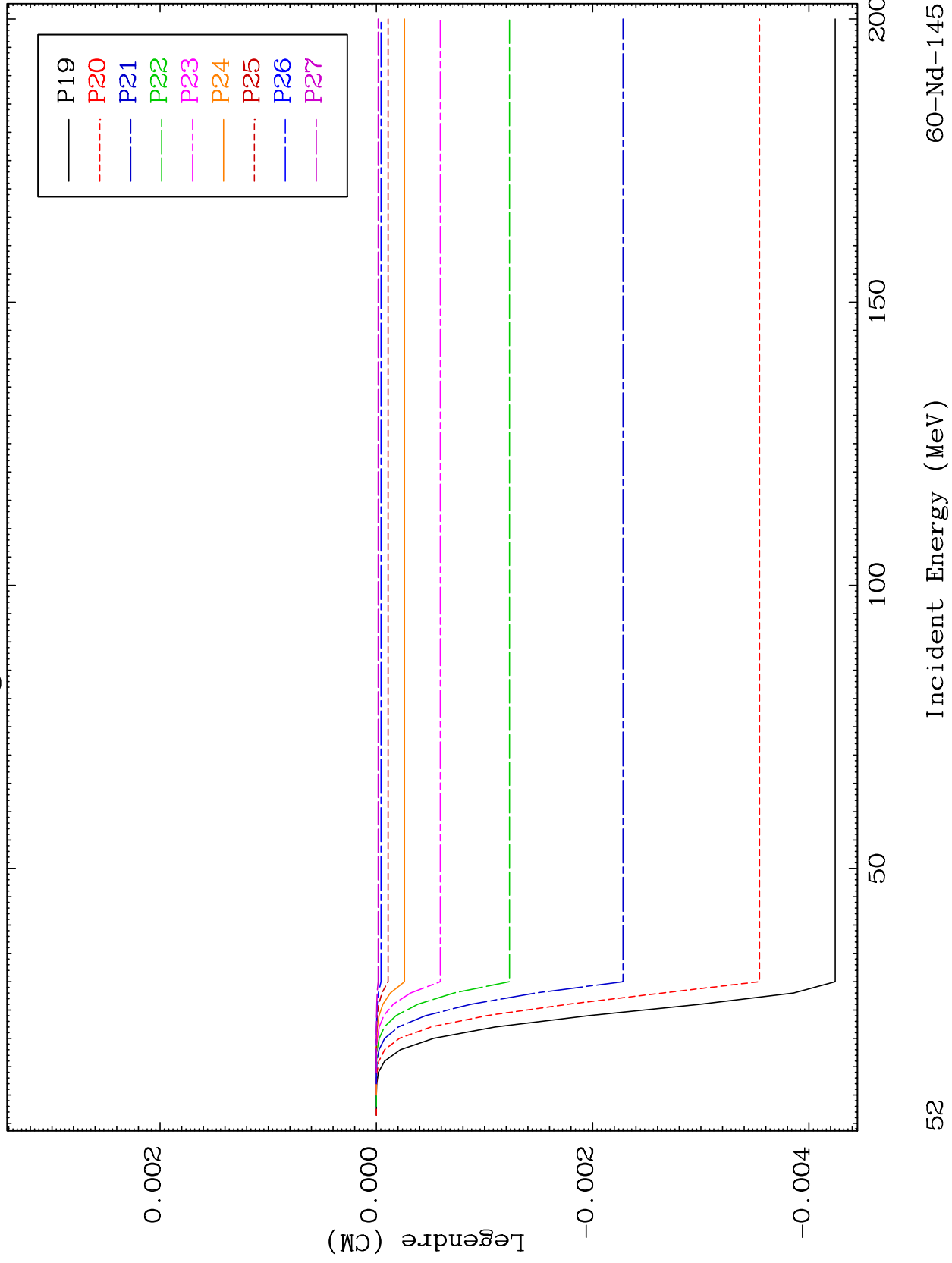
Incident Energy (MeV)

51

MAT 6034

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

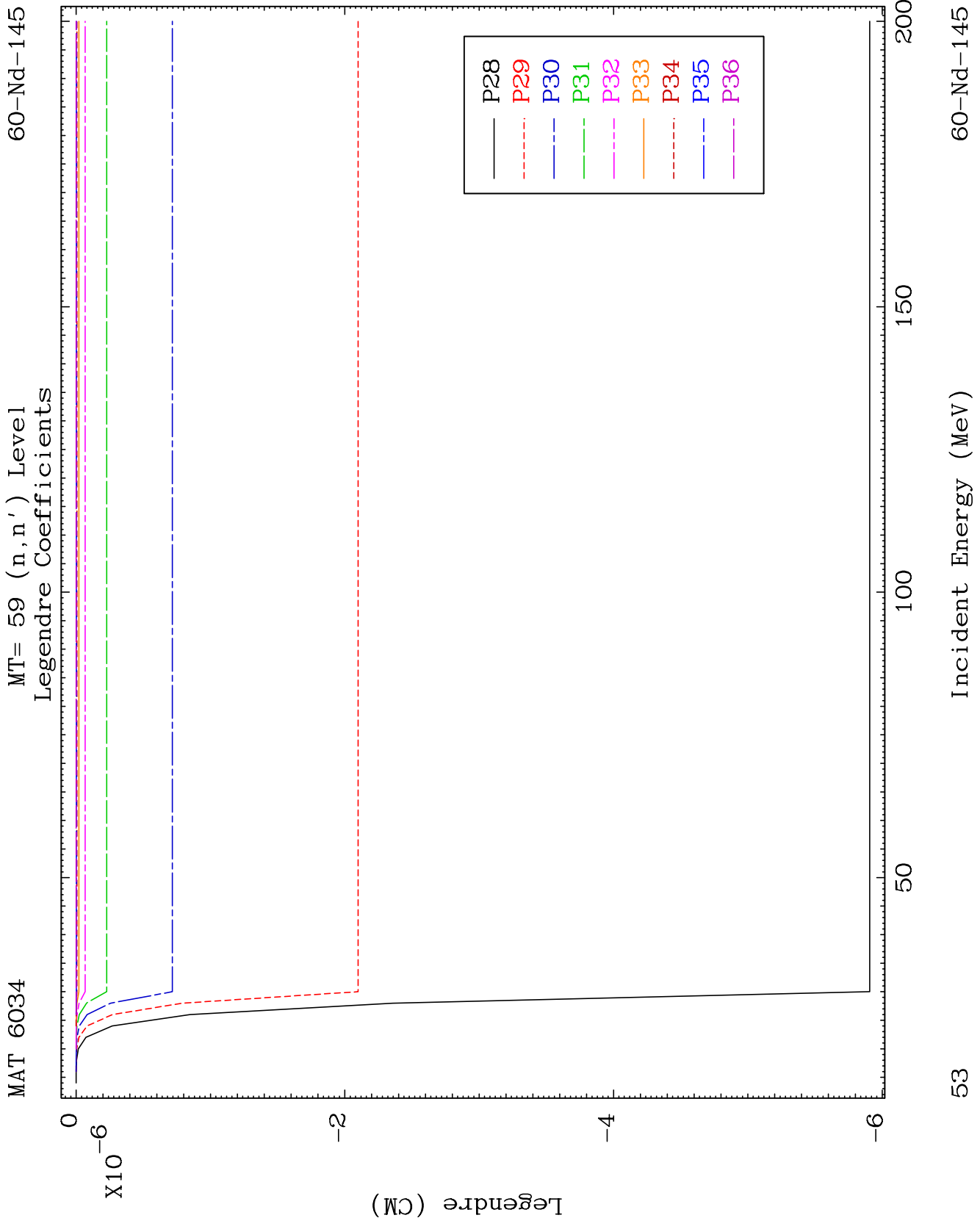
60-Nd-145



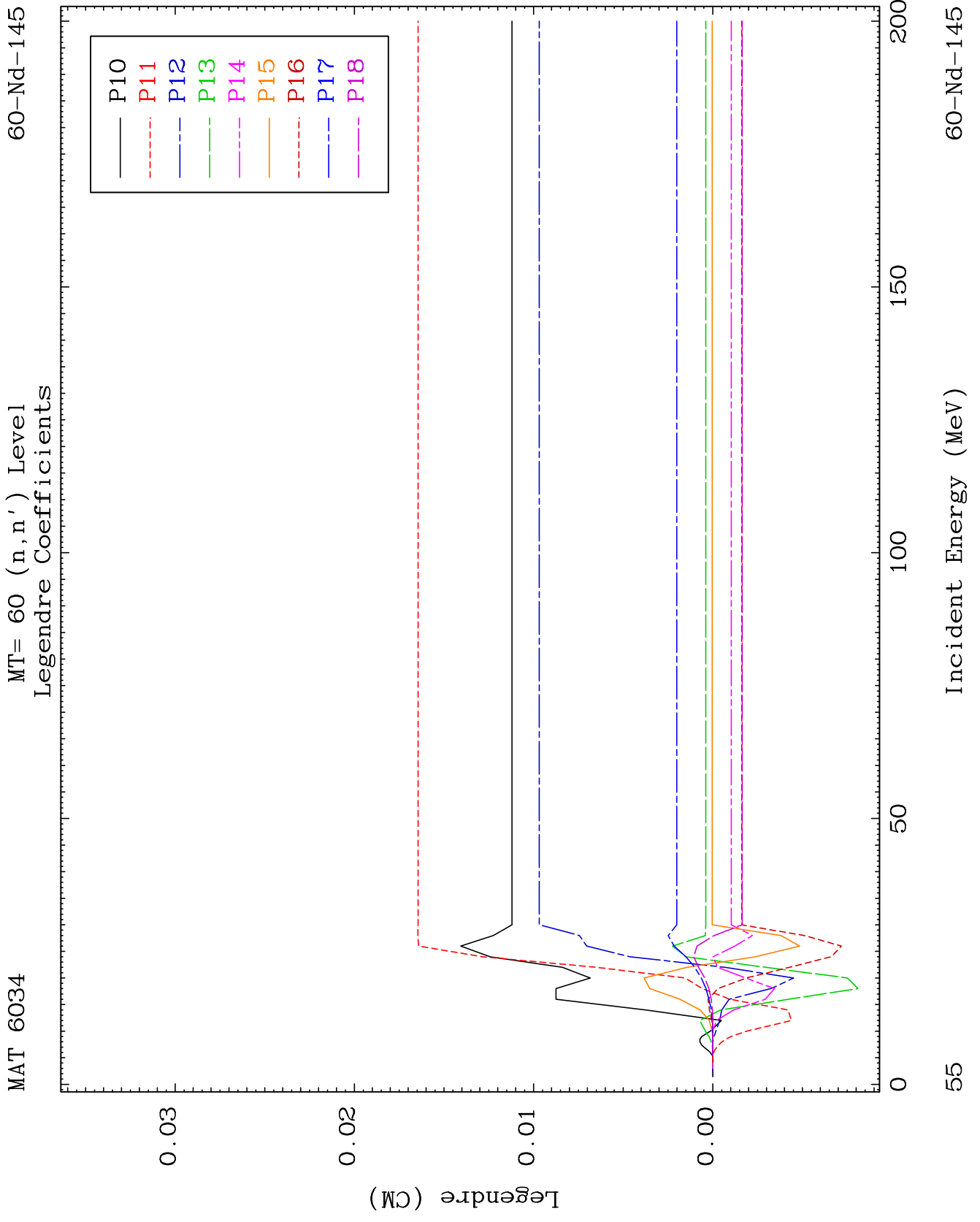
52

Incident Energy (MeV)

60-Nd-145





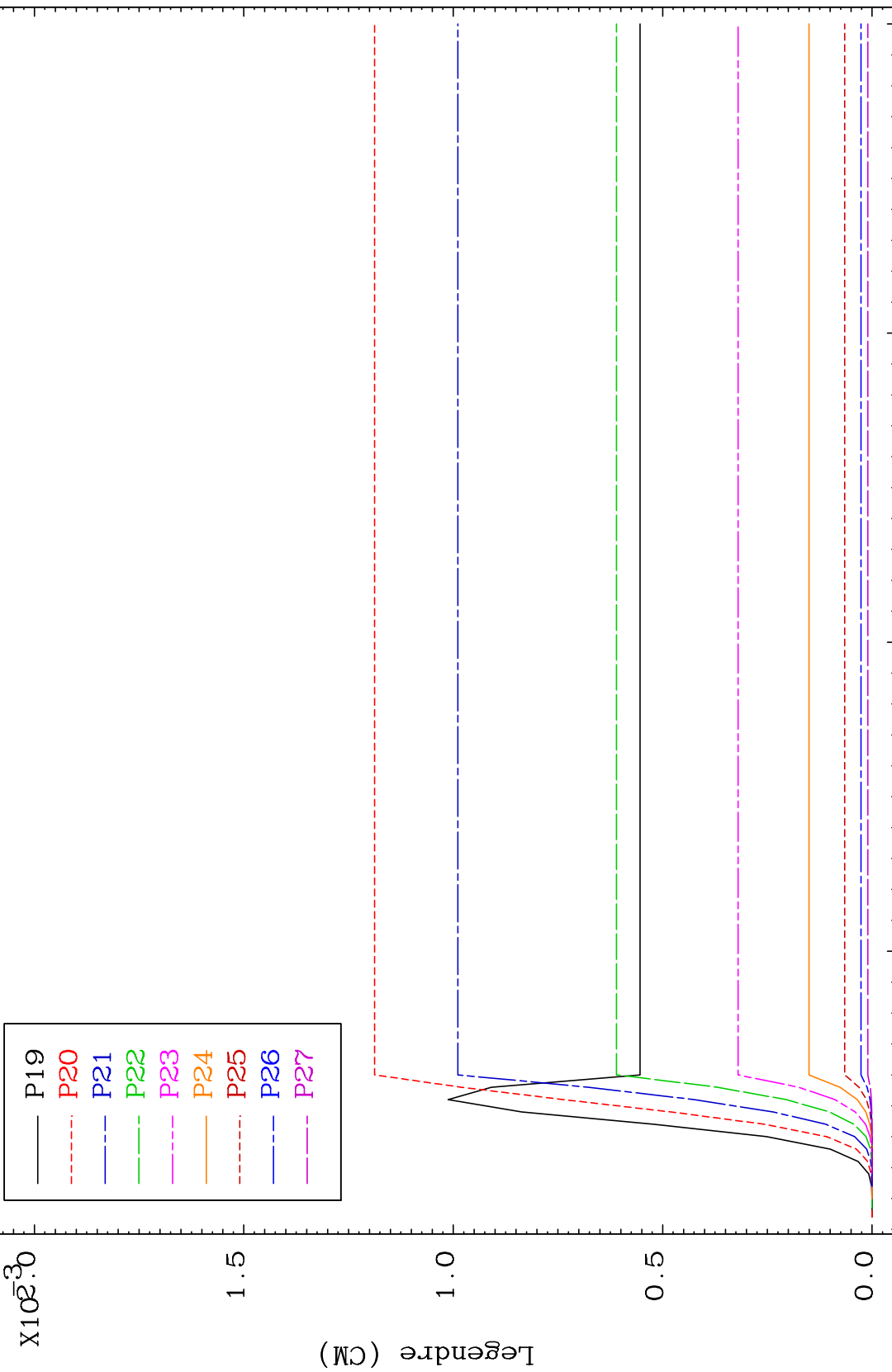
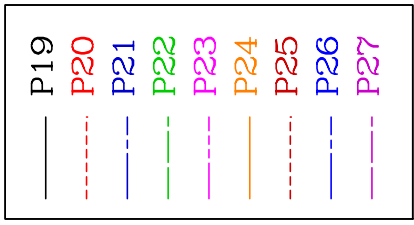




MAT 6034

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

60-Nd-145



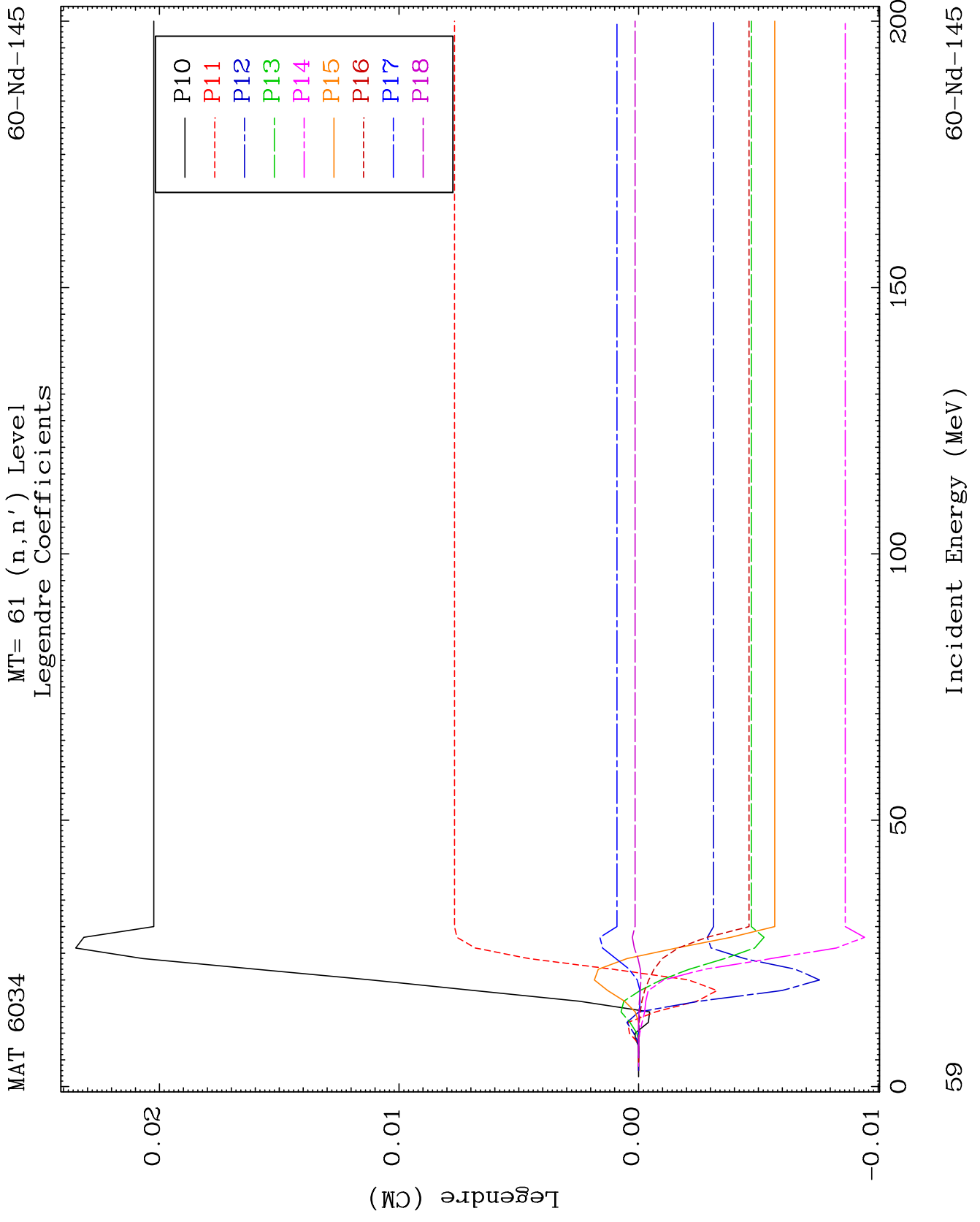
56

Incident Energy (MeV)

60-Nd-145



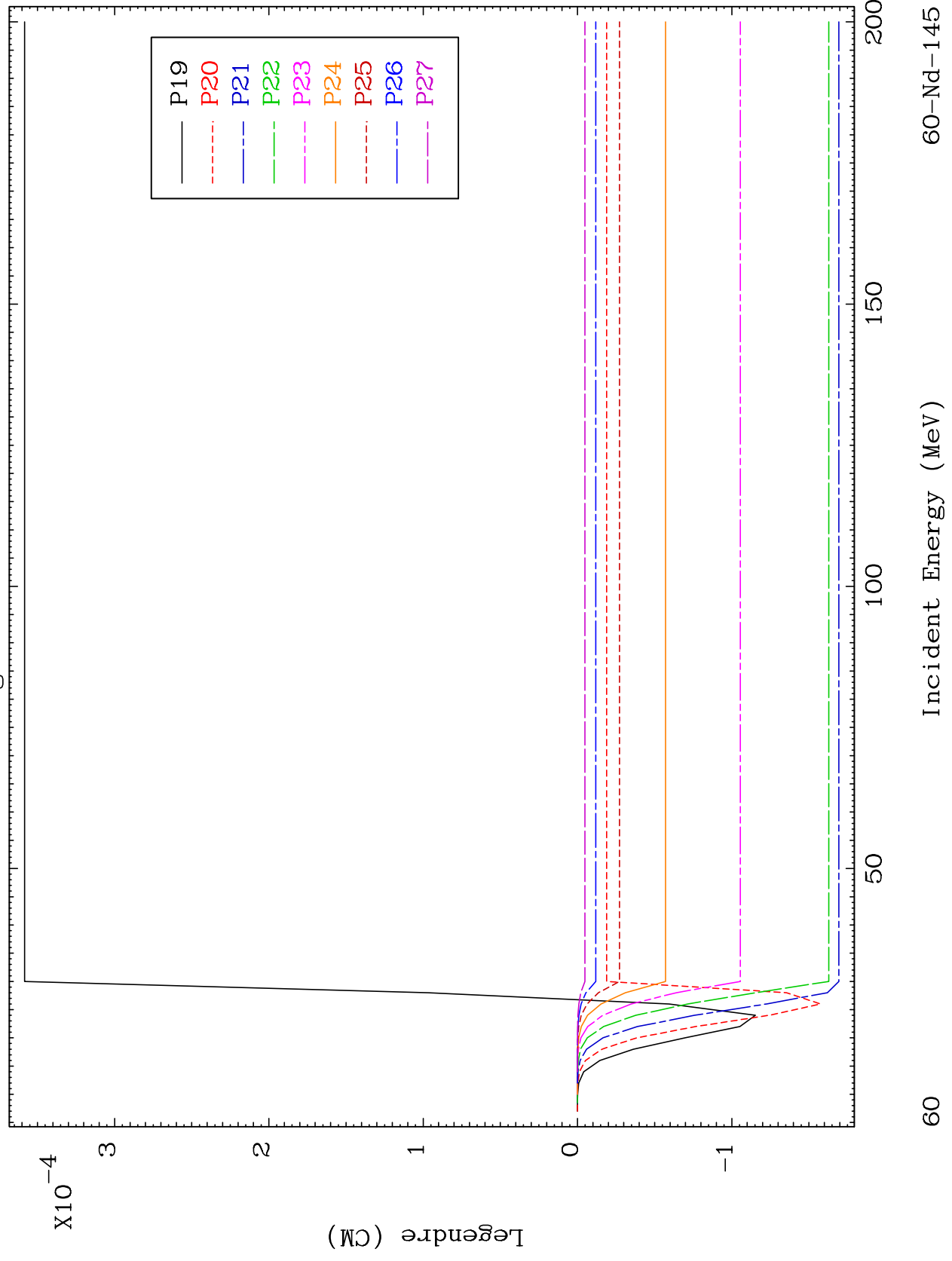


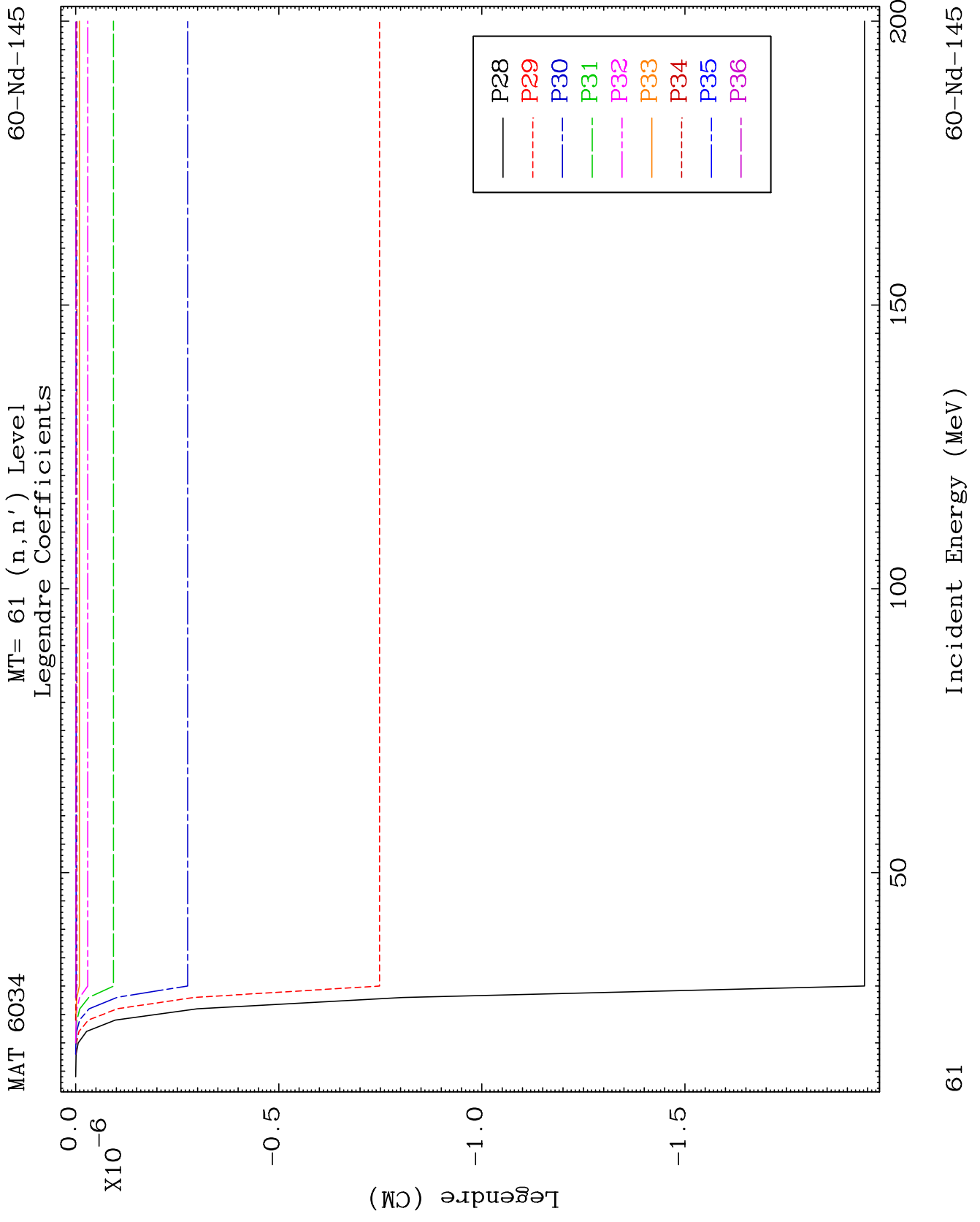


MAT 6034

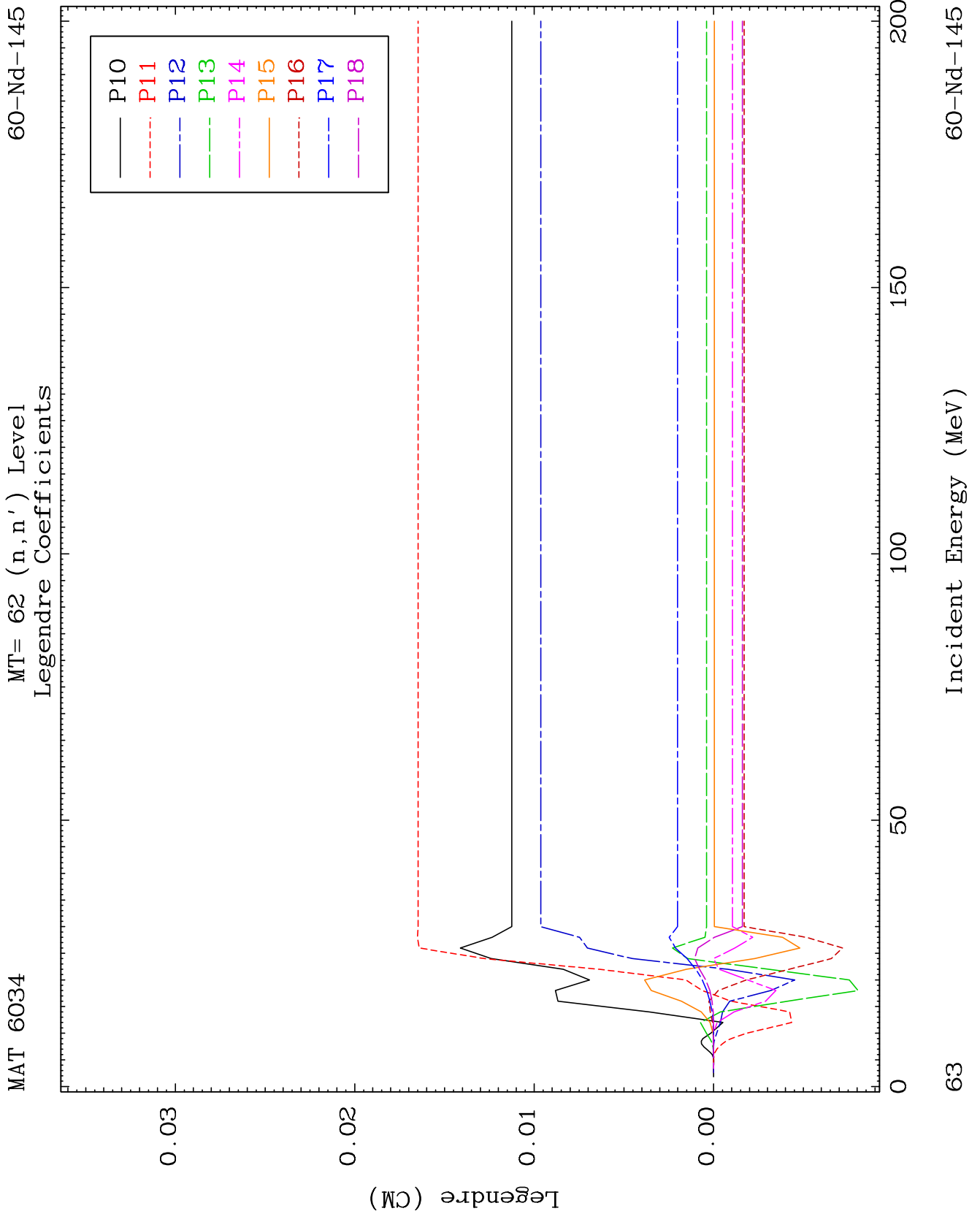
MT= 61 (n,n') Level  
Legendre Coefficients

60-Nd-145







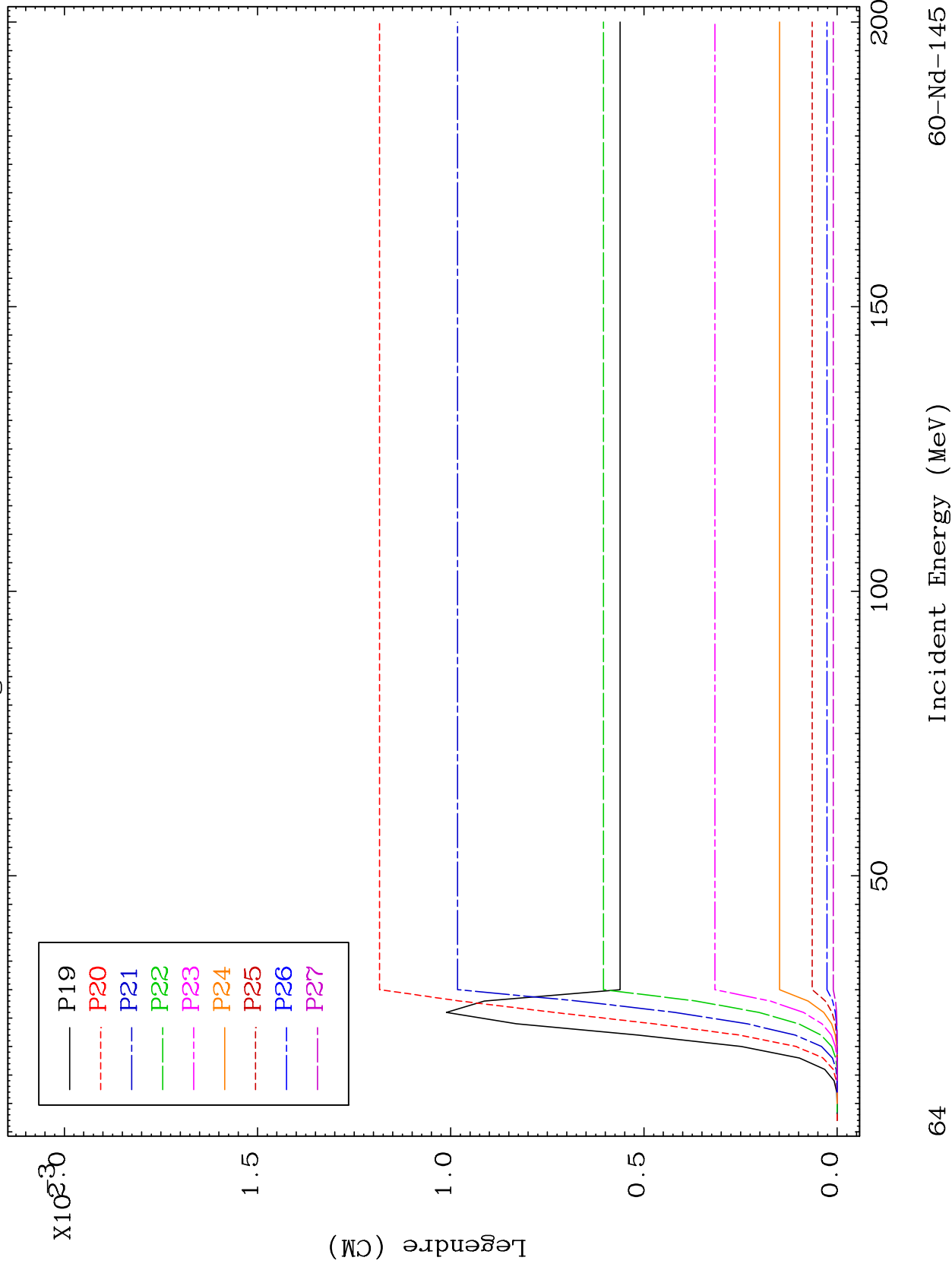




MAT 6034

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

60-Nd-145



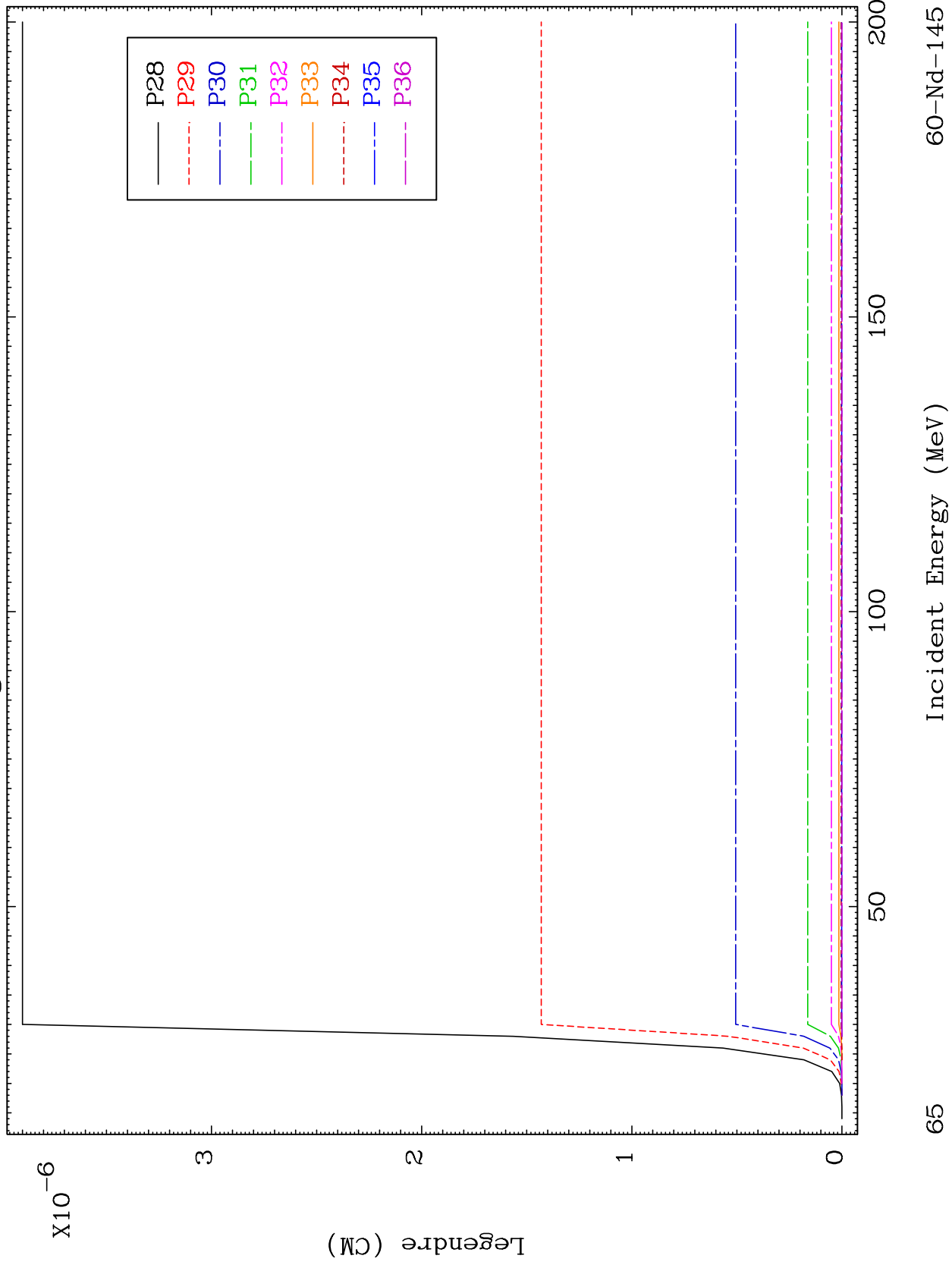
64

60-Nd-145

MAT 6034

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

60-Nd-145

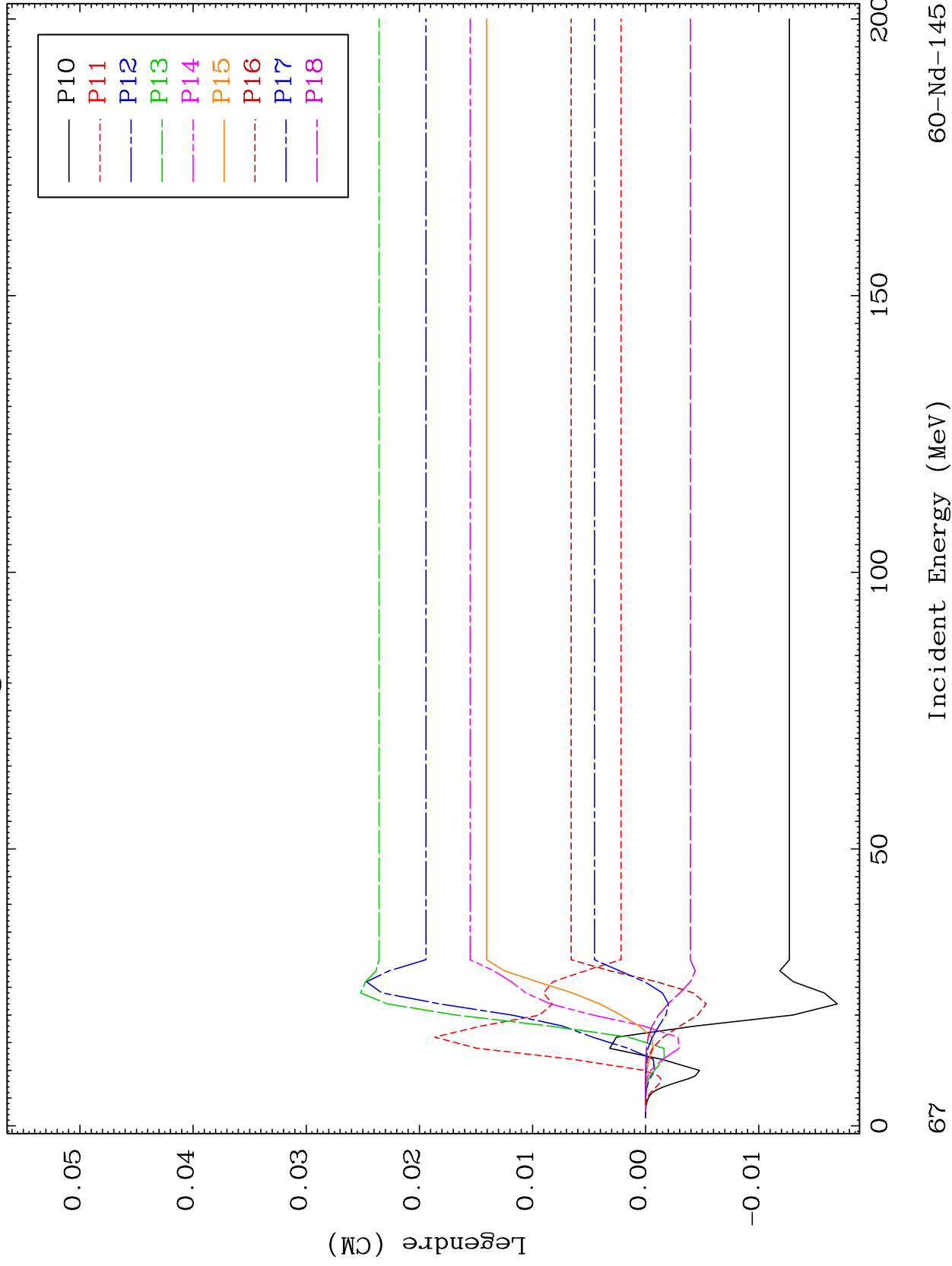




MAT 6034

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

60-Nd-145



60-Nd-145

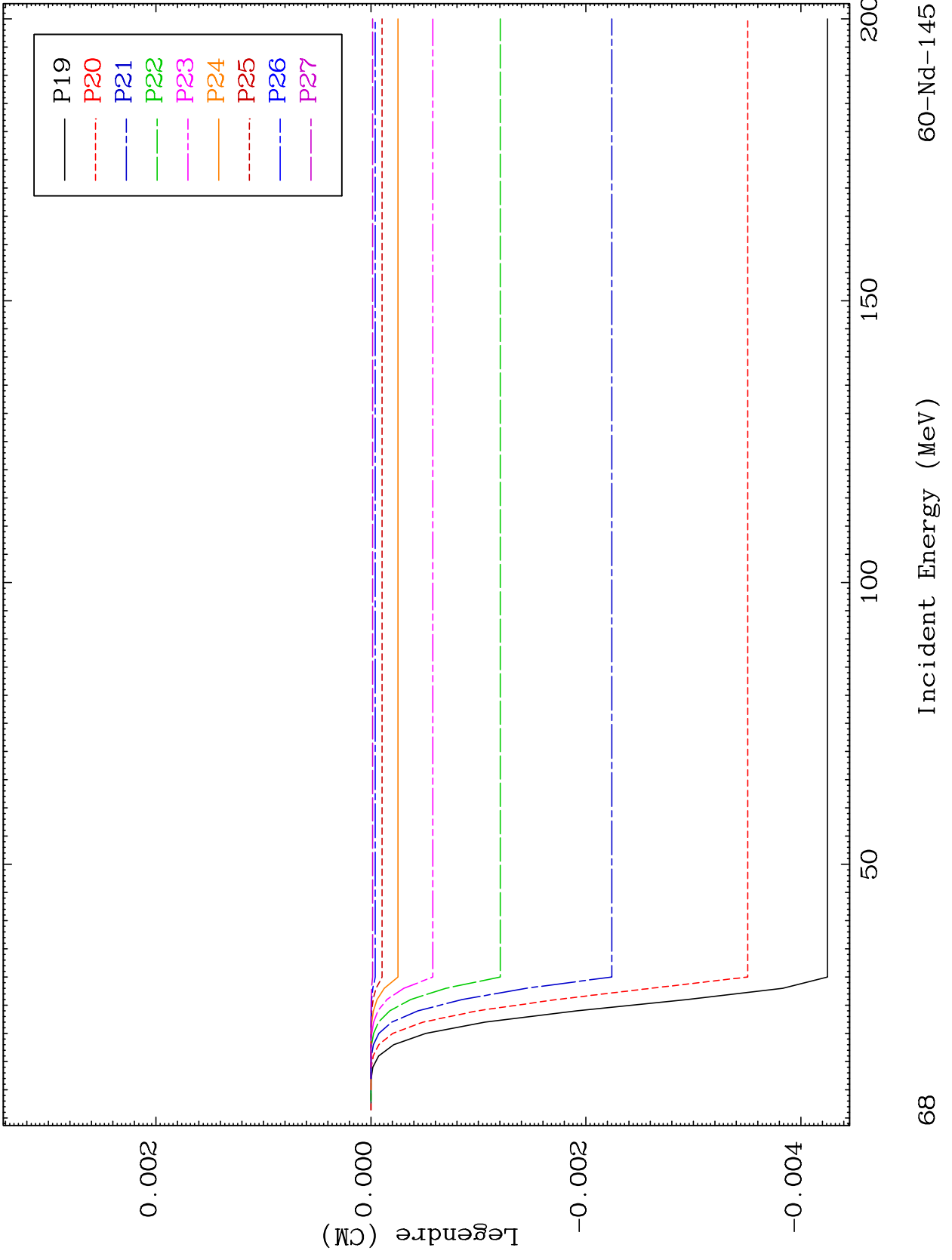
Incident Energy (MeV)

67

MAT 6034

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

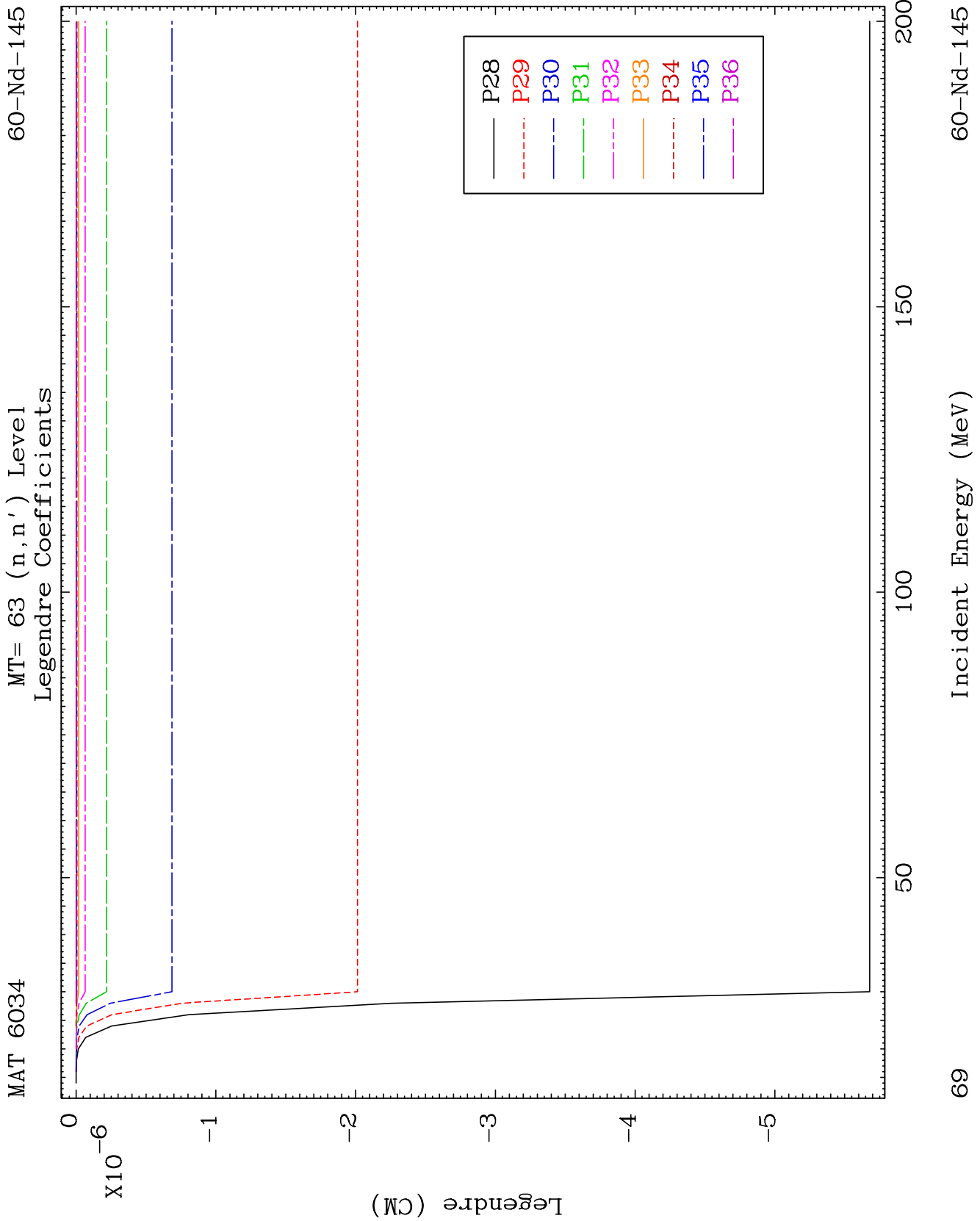
60-Nd-145



68

Incident Energy (MeV)

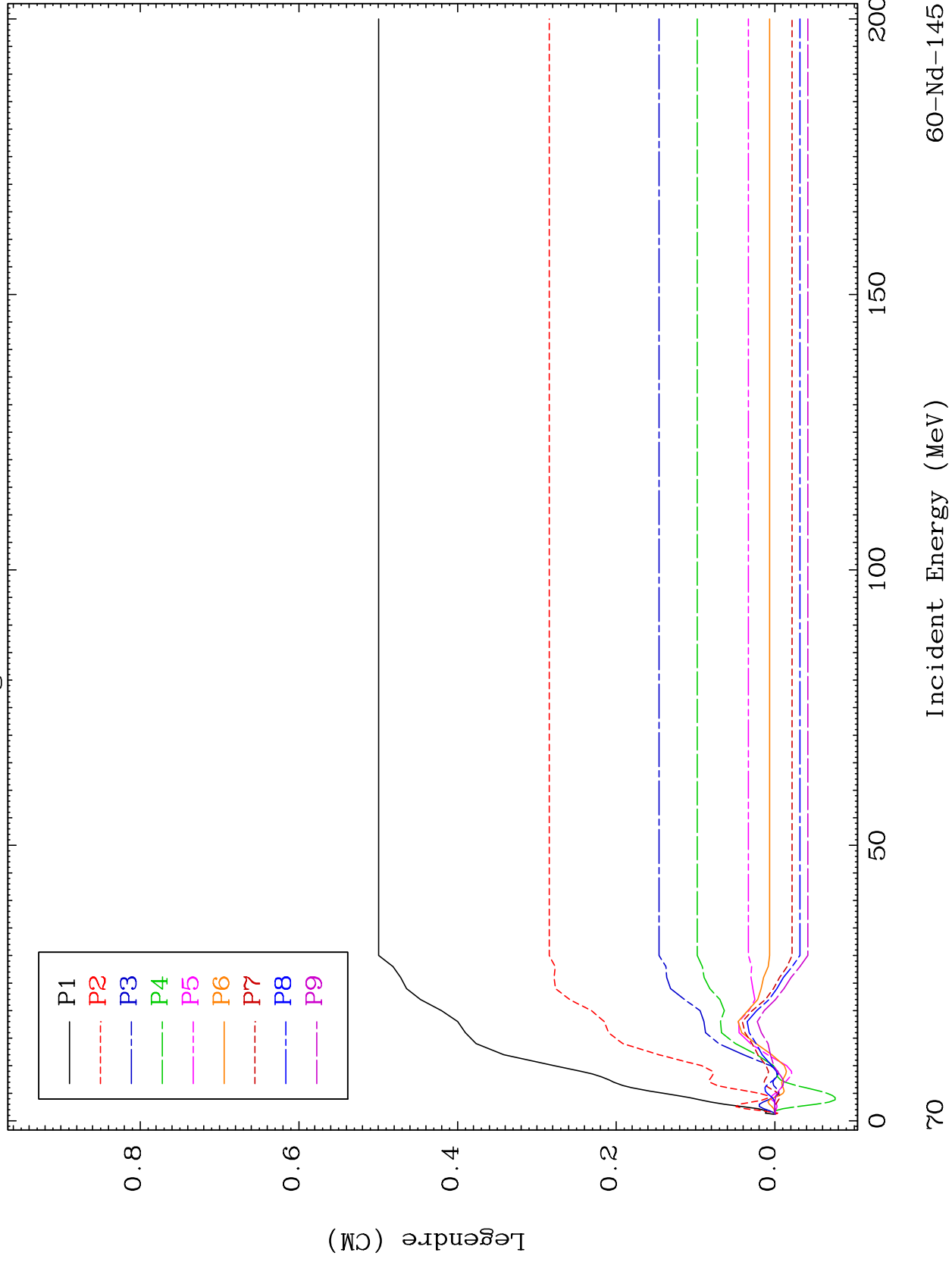
60-Nd-145



MAT 6034

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

60-Nd-145



60-Nd-145

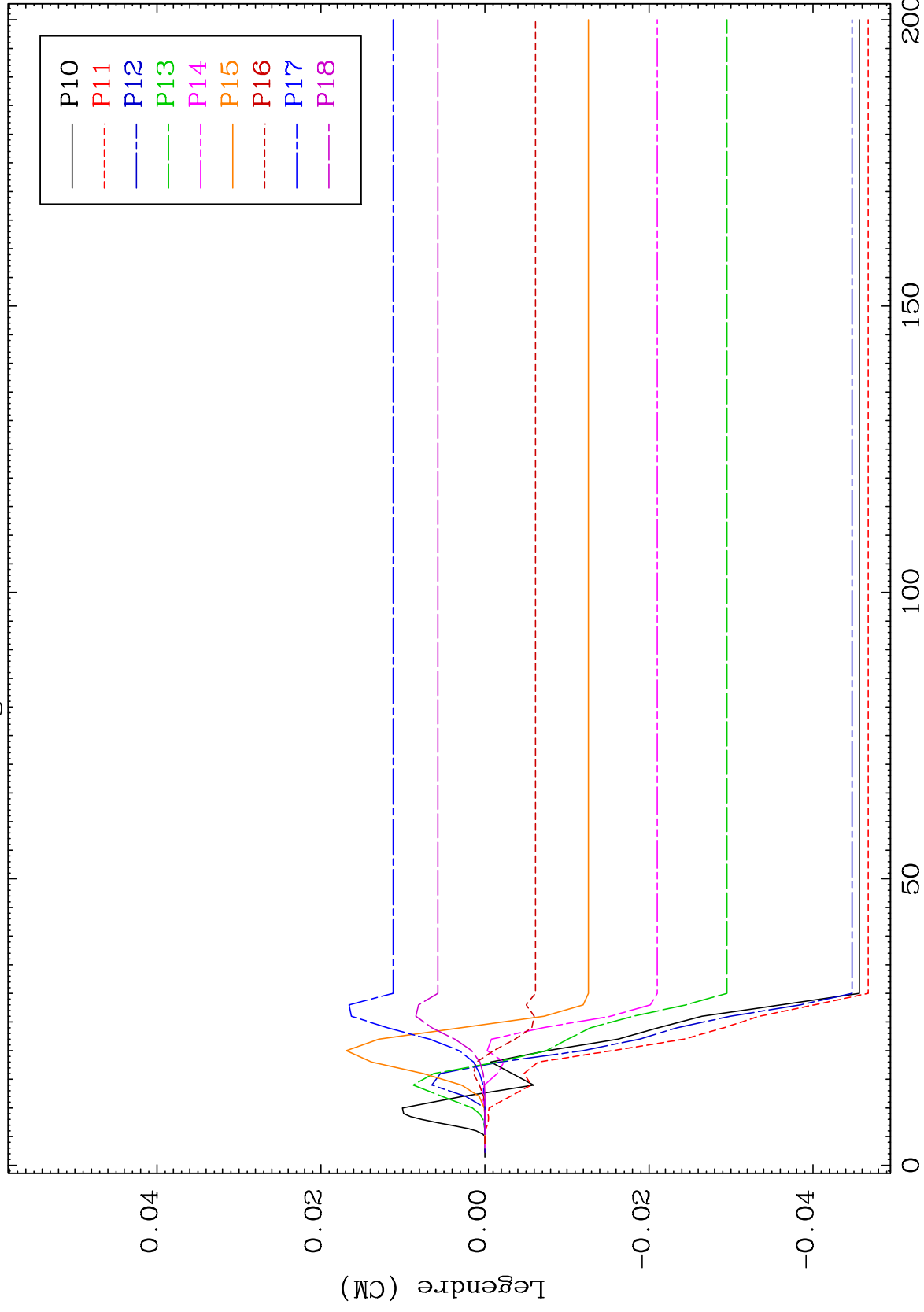
Incident Energy (MeV)

70

MAT 6034

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

60-Nd-145



71

Incident Energy (MeV)

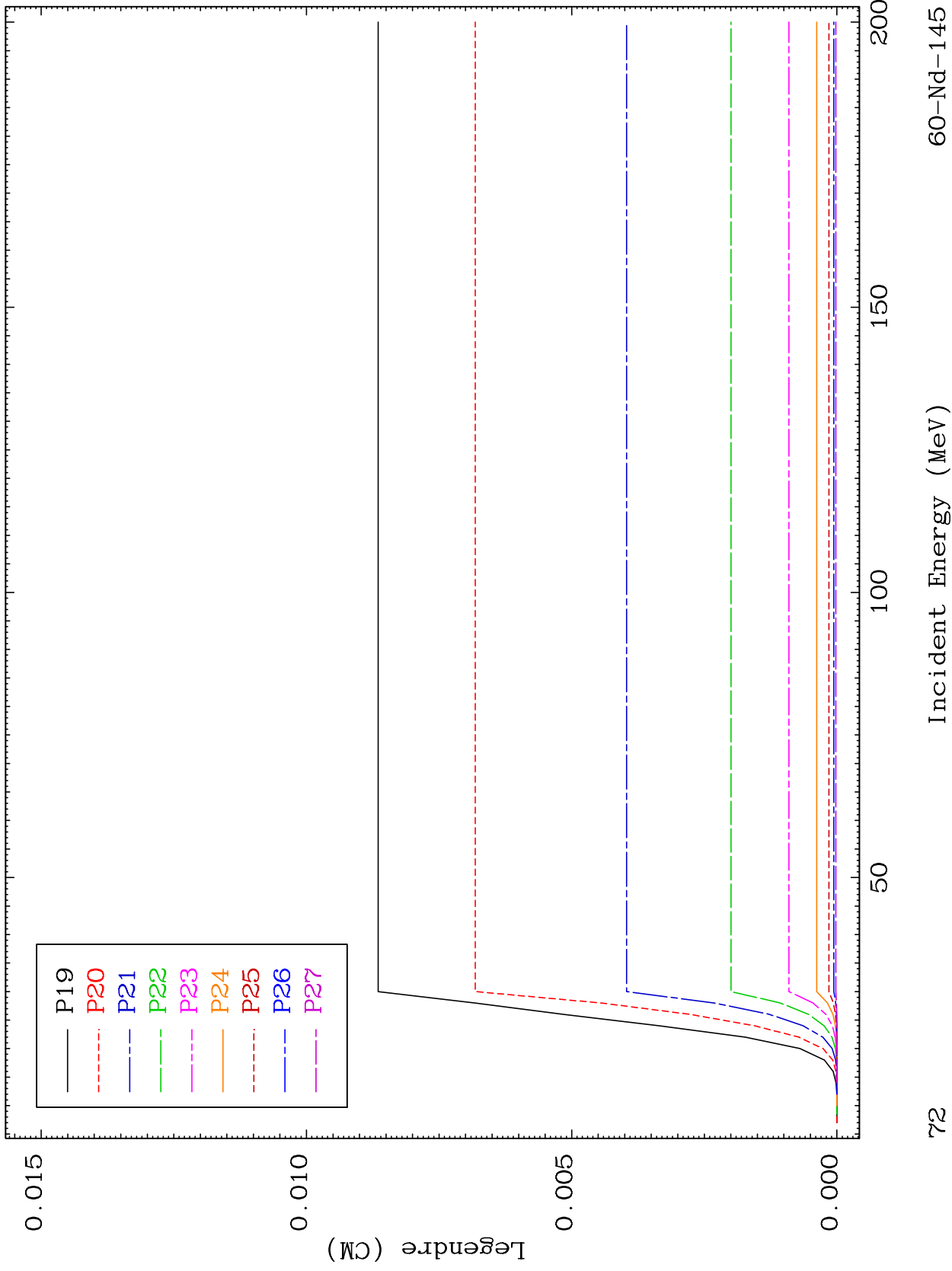
60-Nd-145



MAT 6034

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

60-Nd-145



72

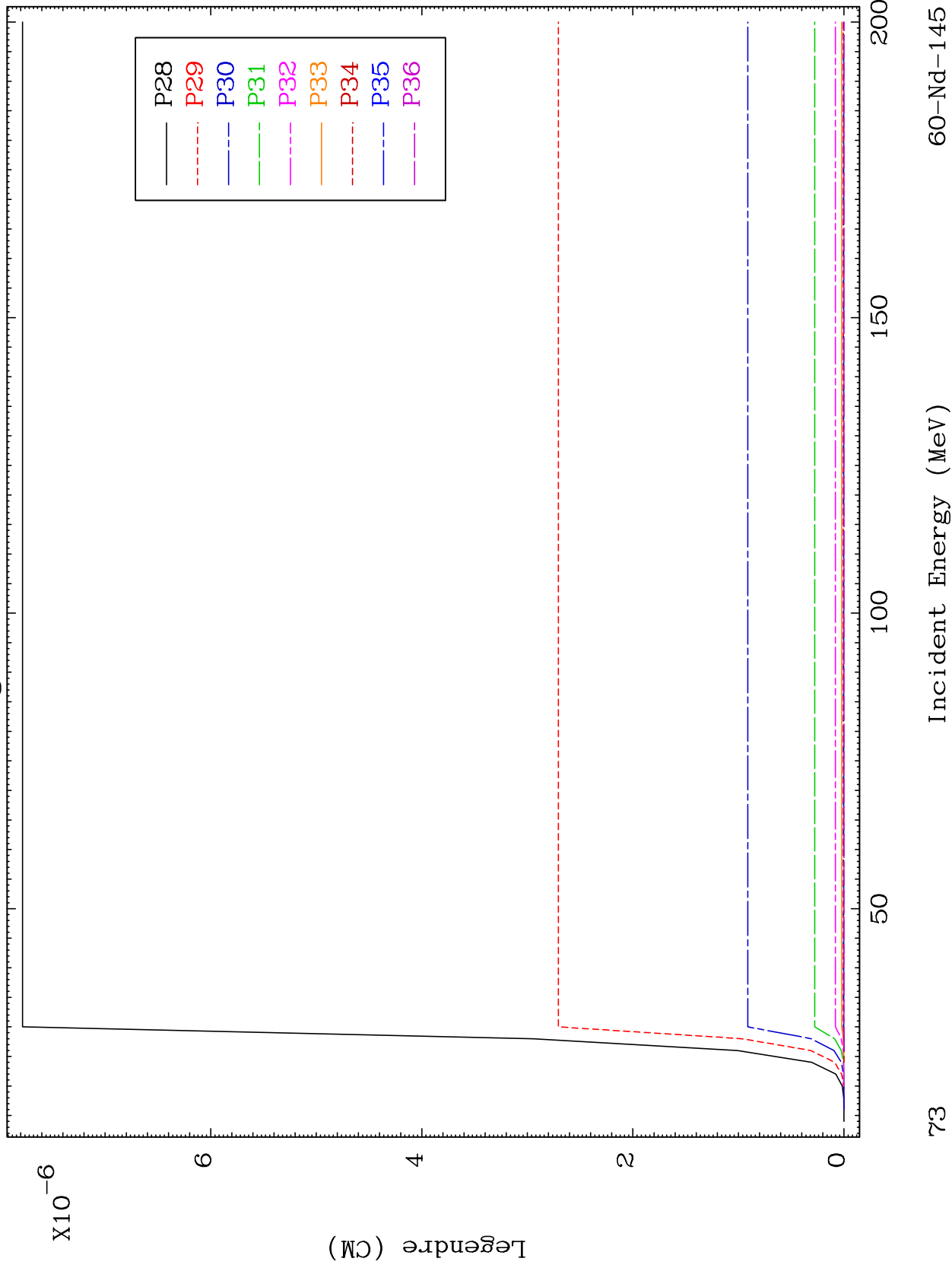
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145

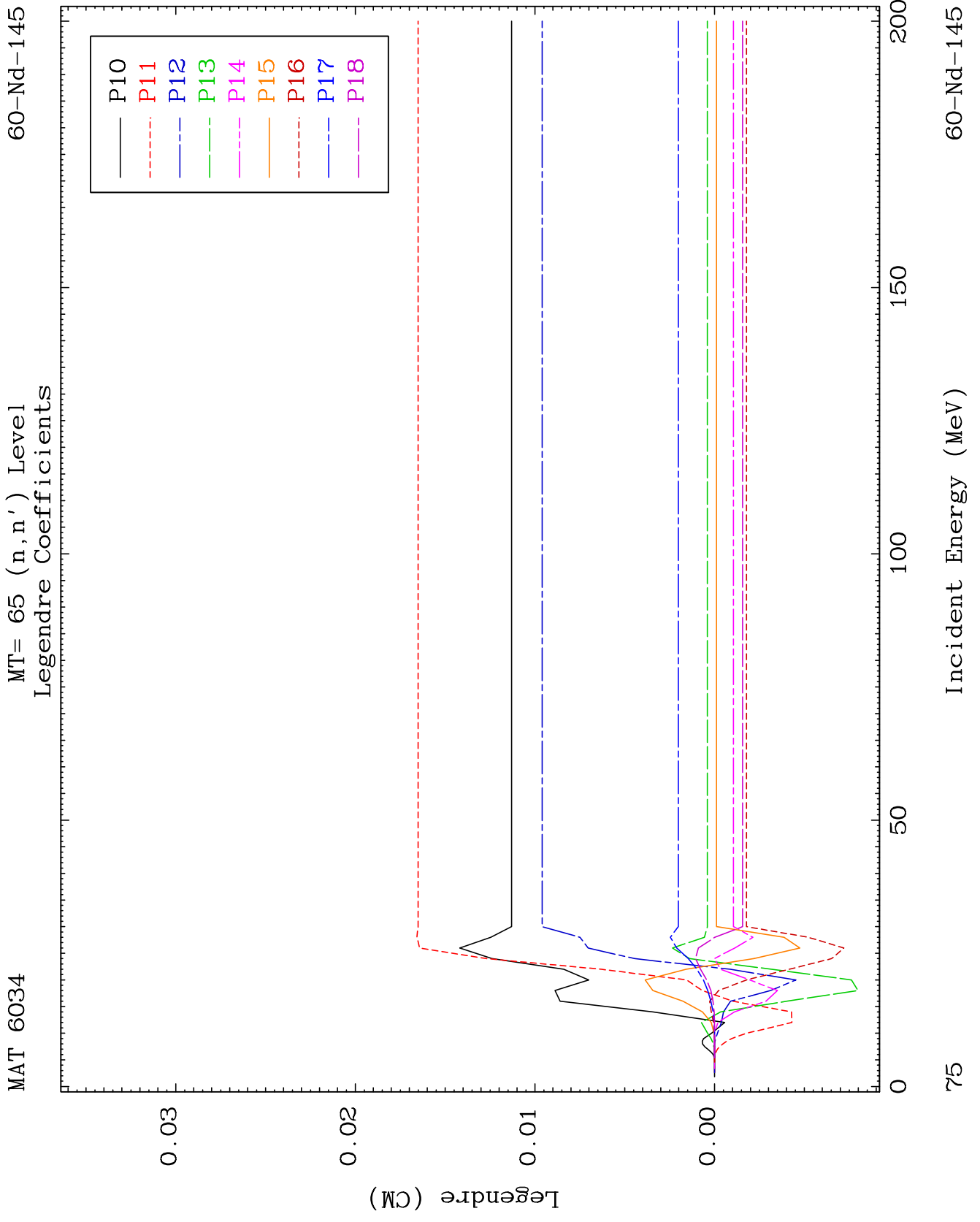


73

Incident Energy (MeV)

60-Nd-145

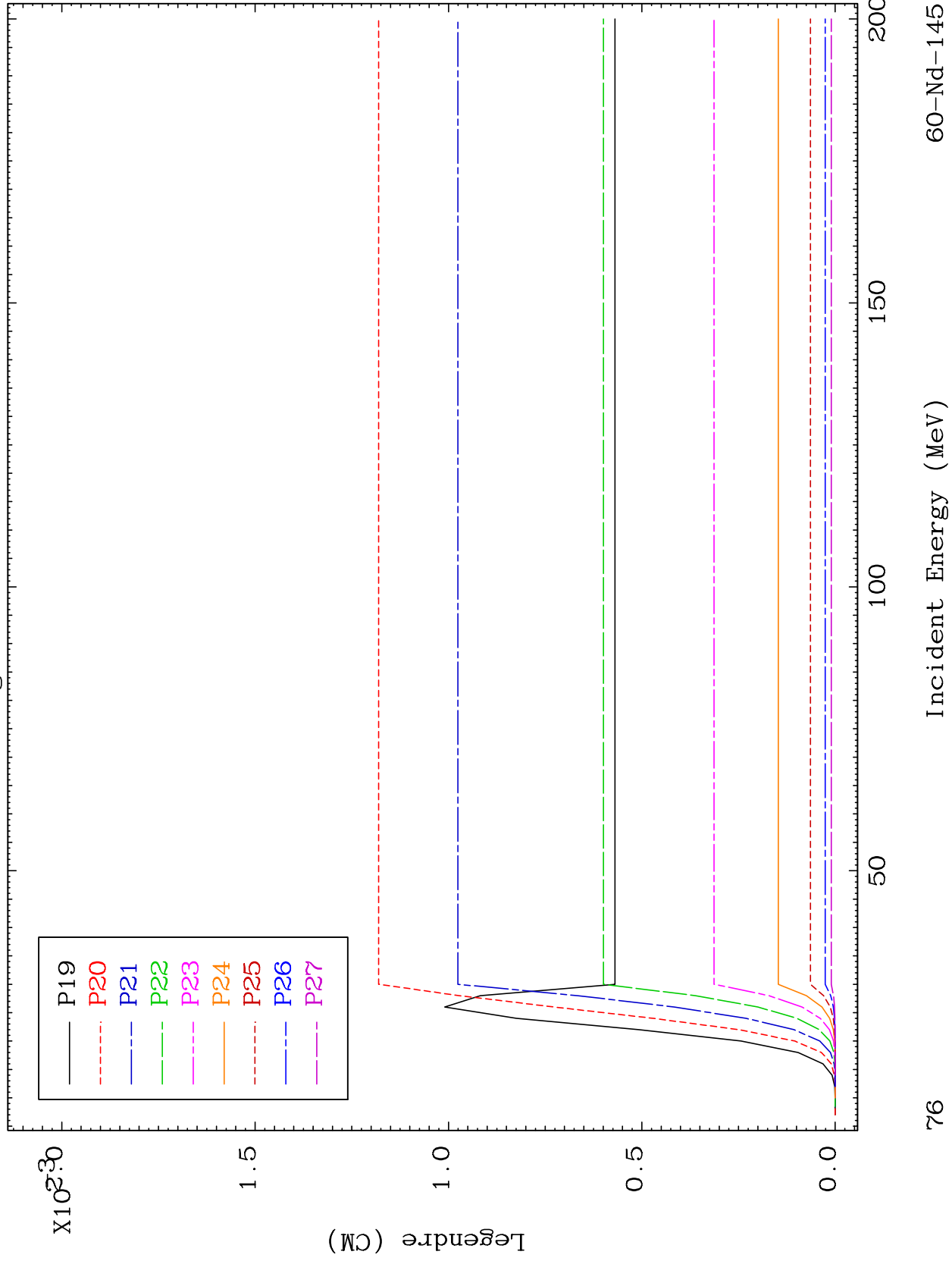




MAT 6034

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

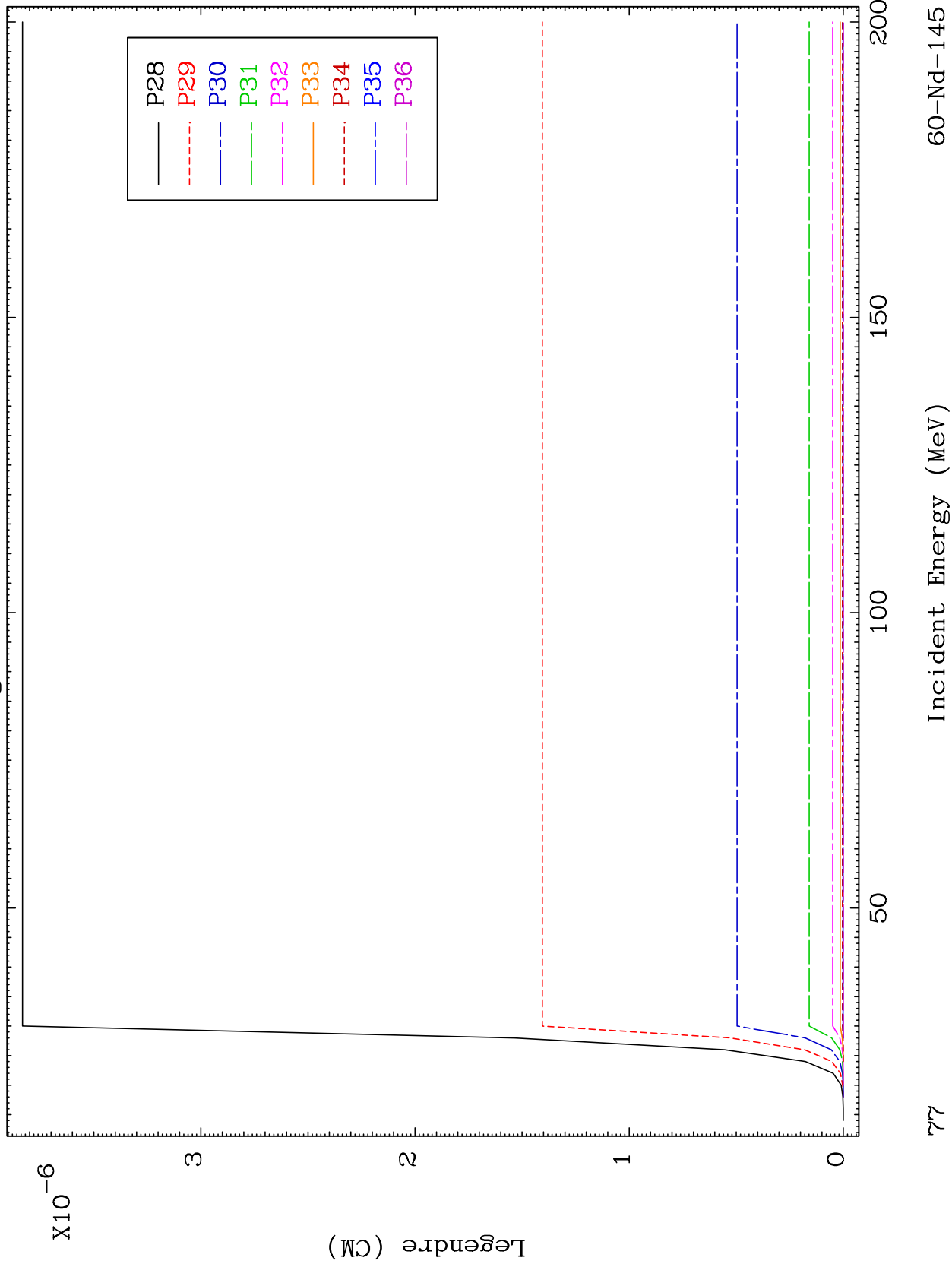
60-Nd-145



MAT 6034

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

60-Nd-145

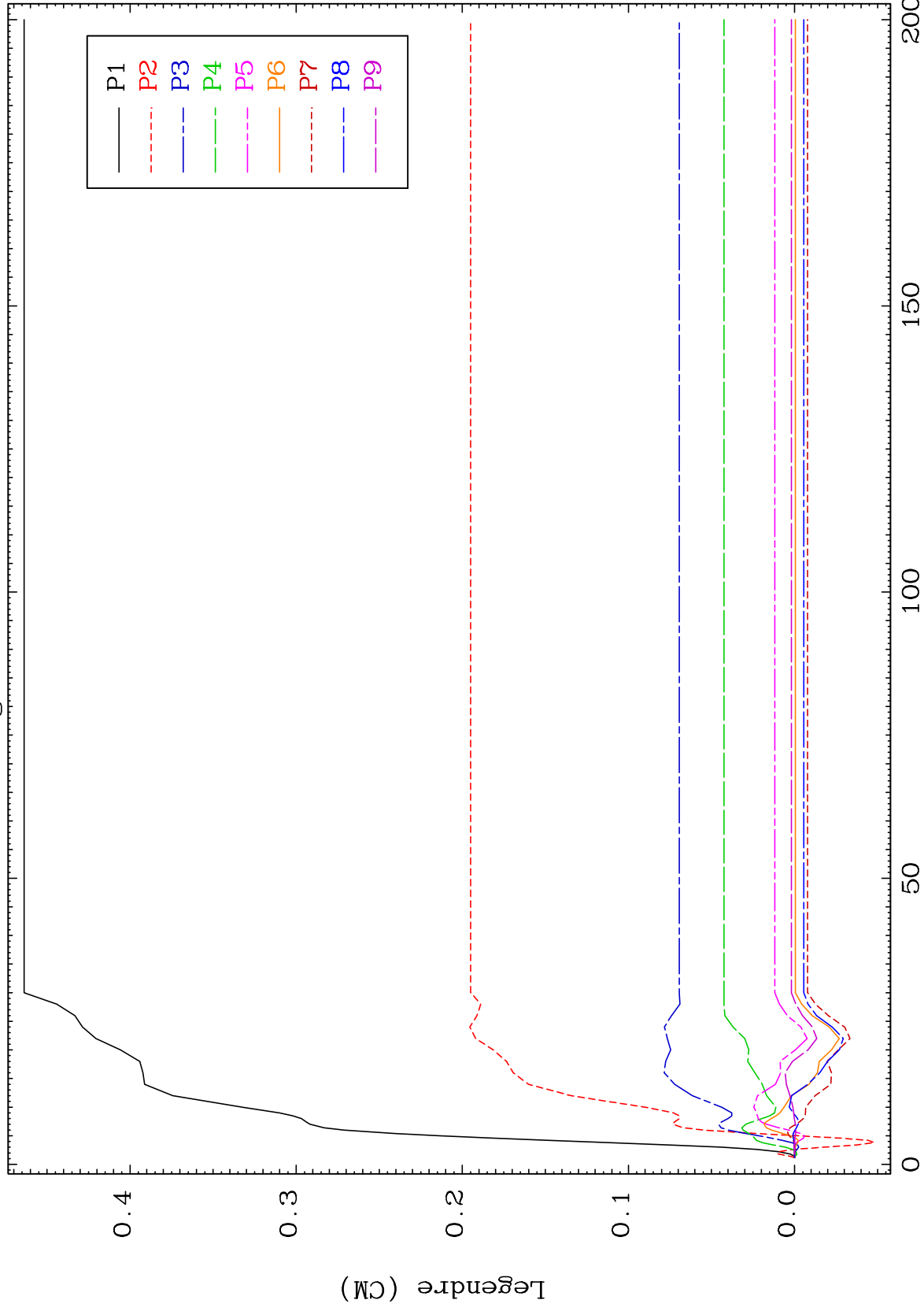


77

MAT 6034

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

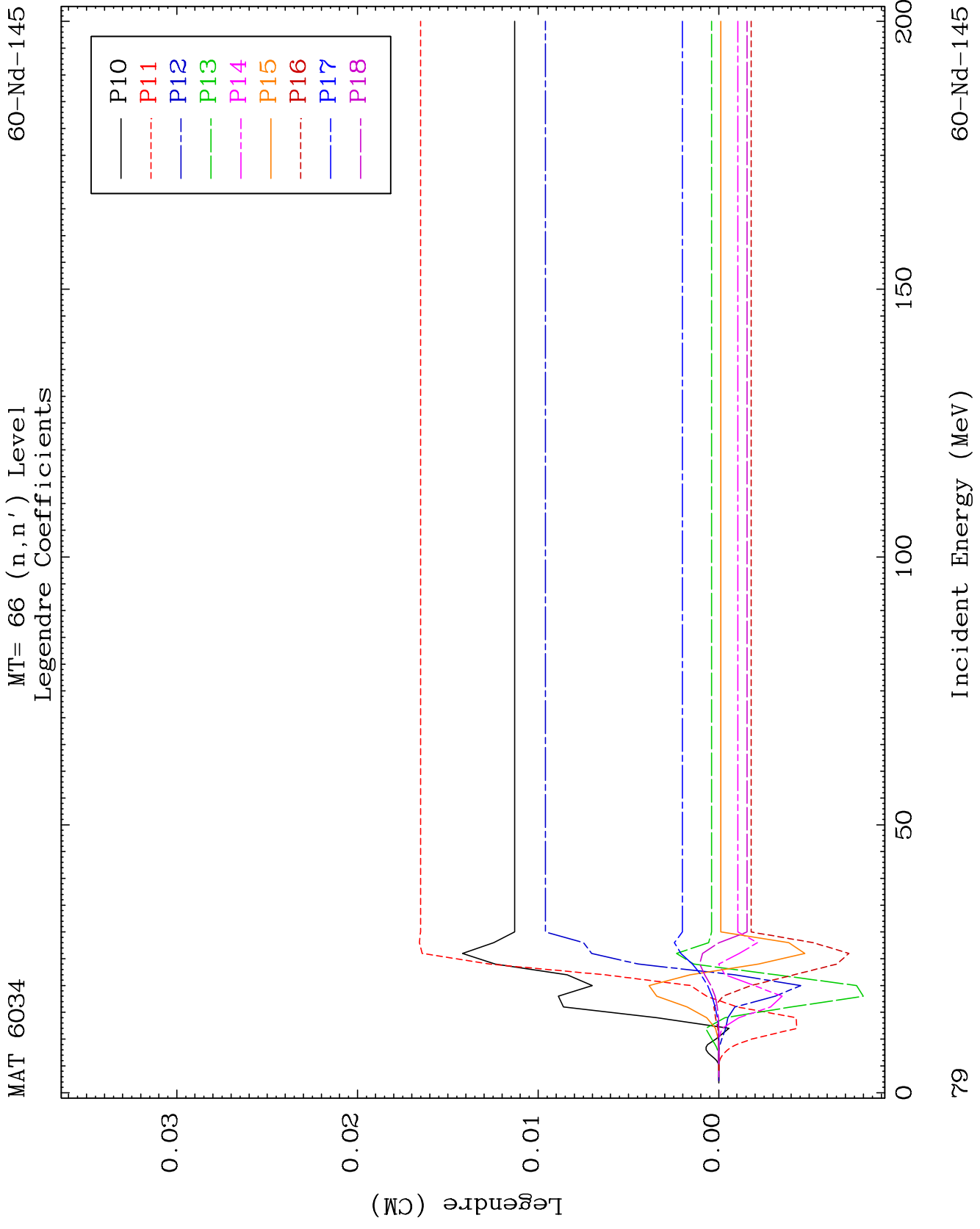
60-Nd-145



78

Incident Energy (MeV)

60-Nd-145

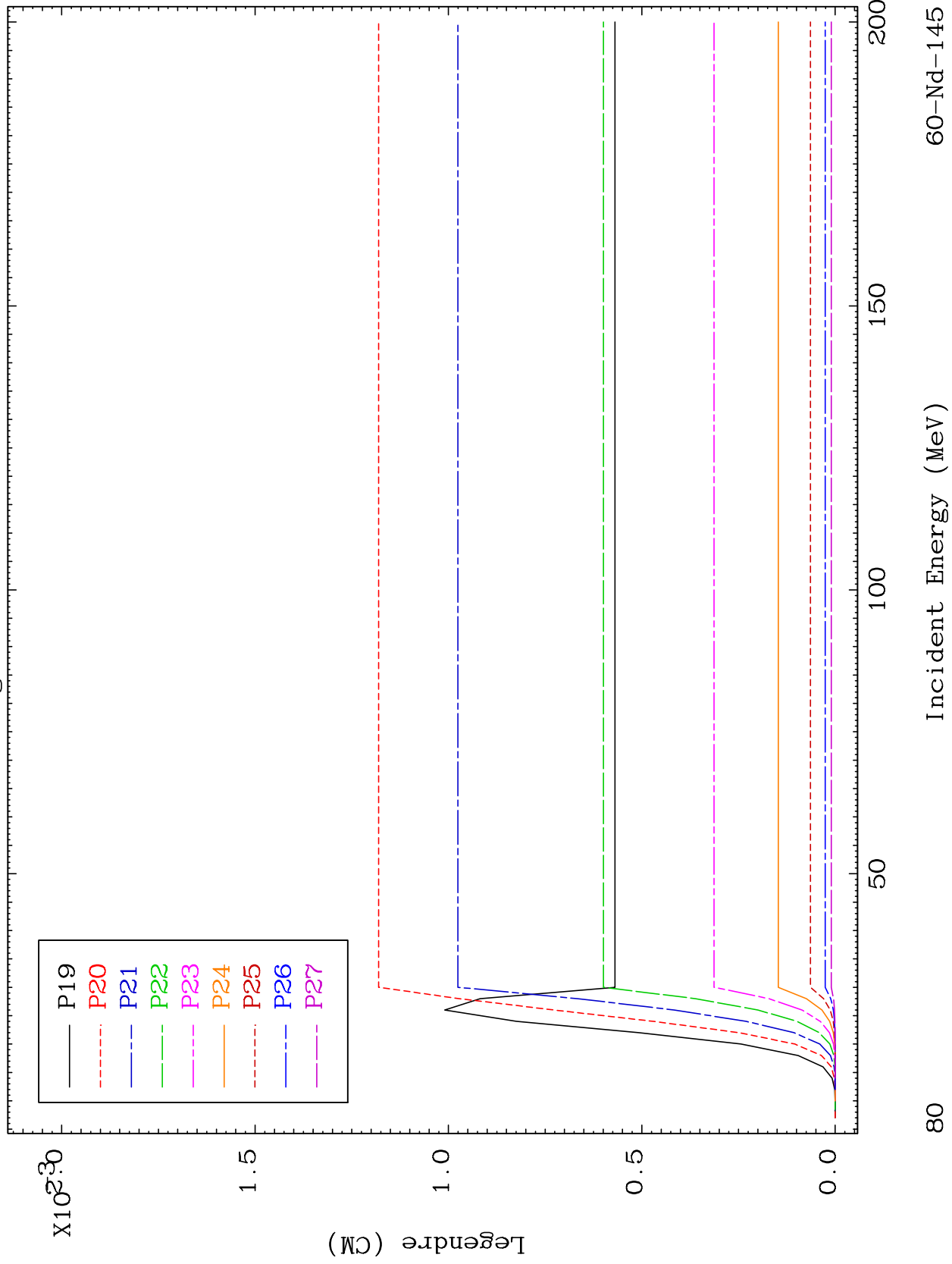




MAT 6034

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

60-Nd-145



60-Nd-145

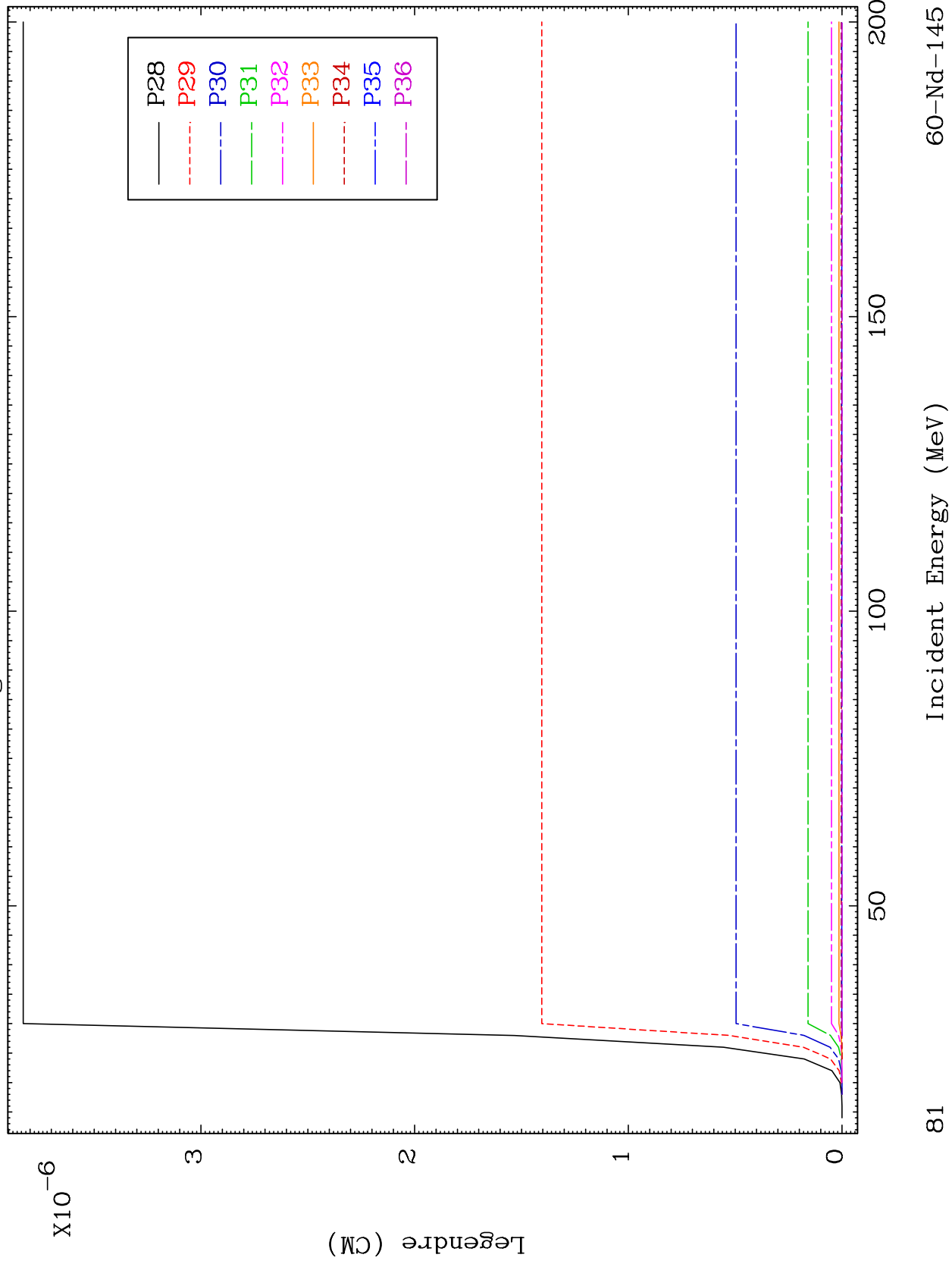
Incident Energy (MeV)

80

MAT 6034

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

60-Nd-145

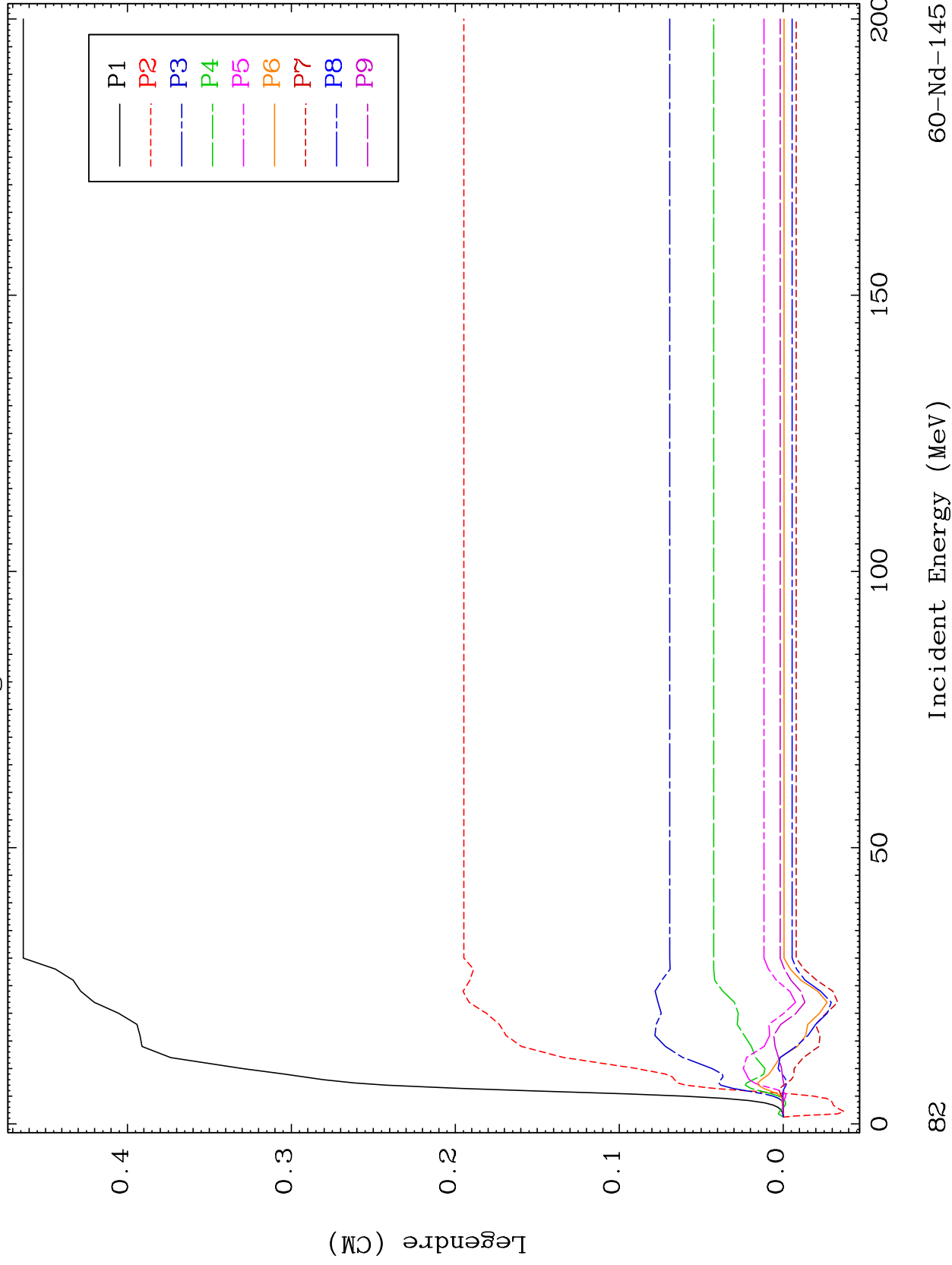


81

MAT 6034

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

60-Nd-145



60-Nd-145

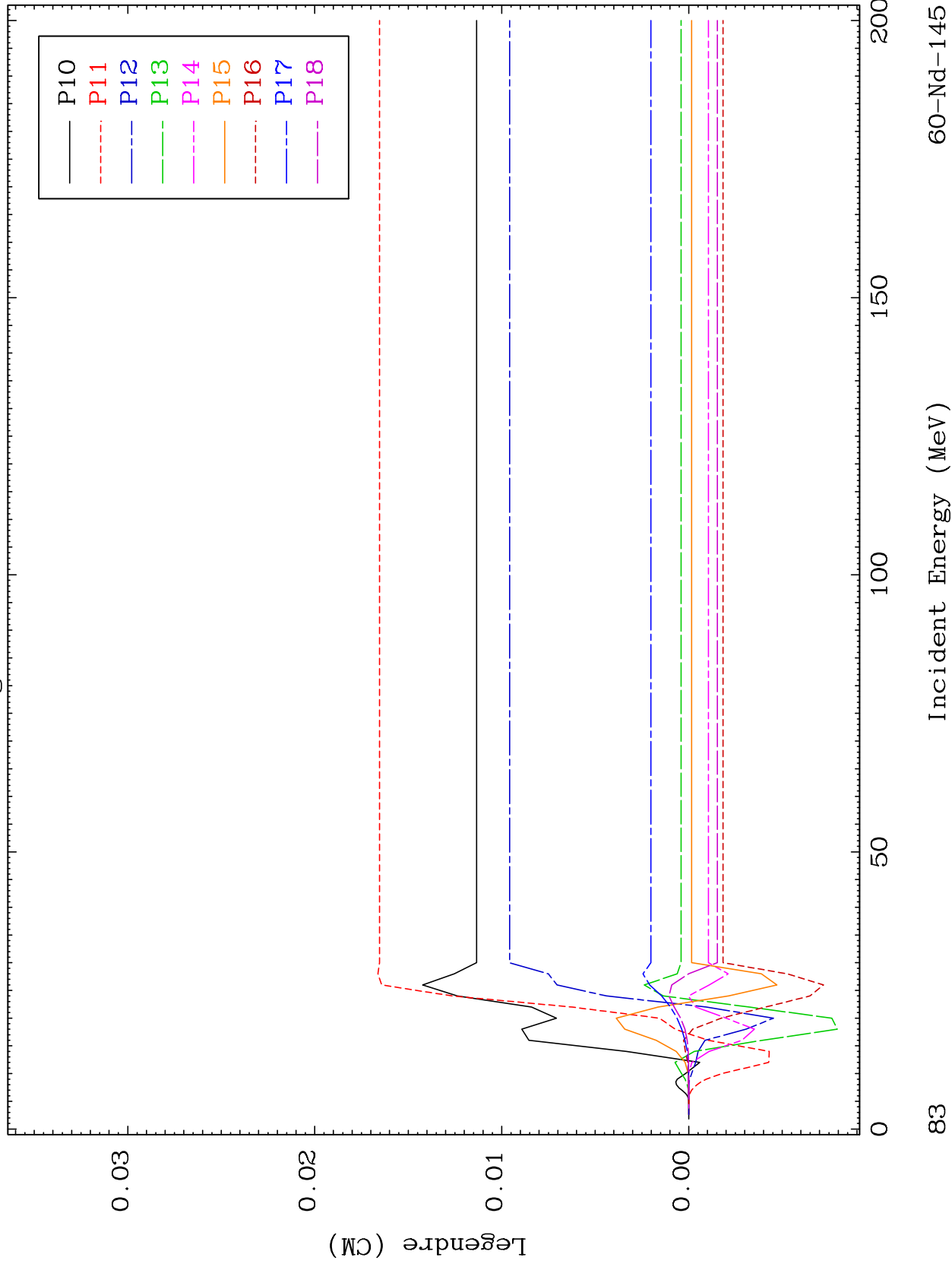
Incident Energy (MeV)

82

MAT 6034

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

60-Nd-145



83

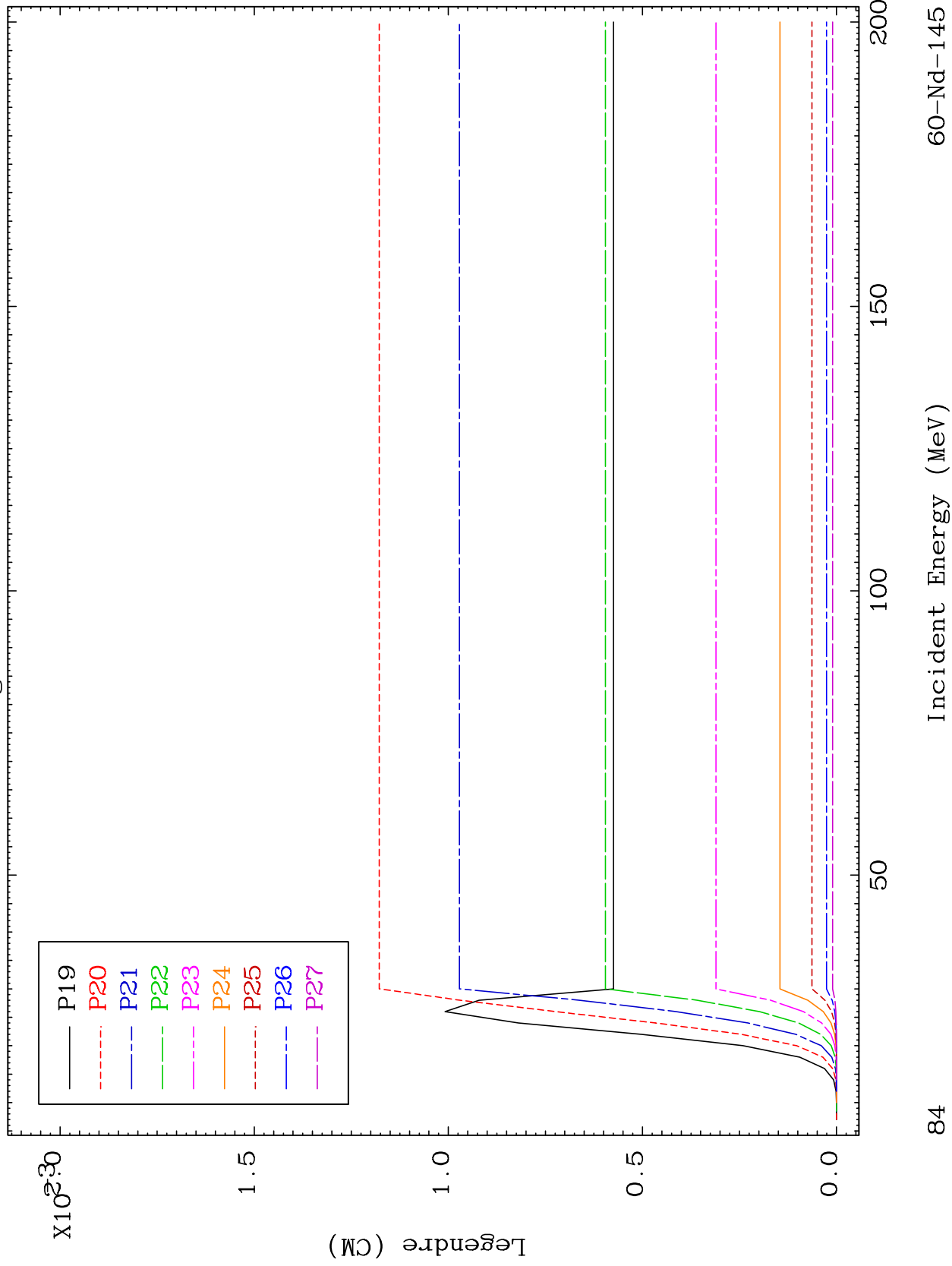
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



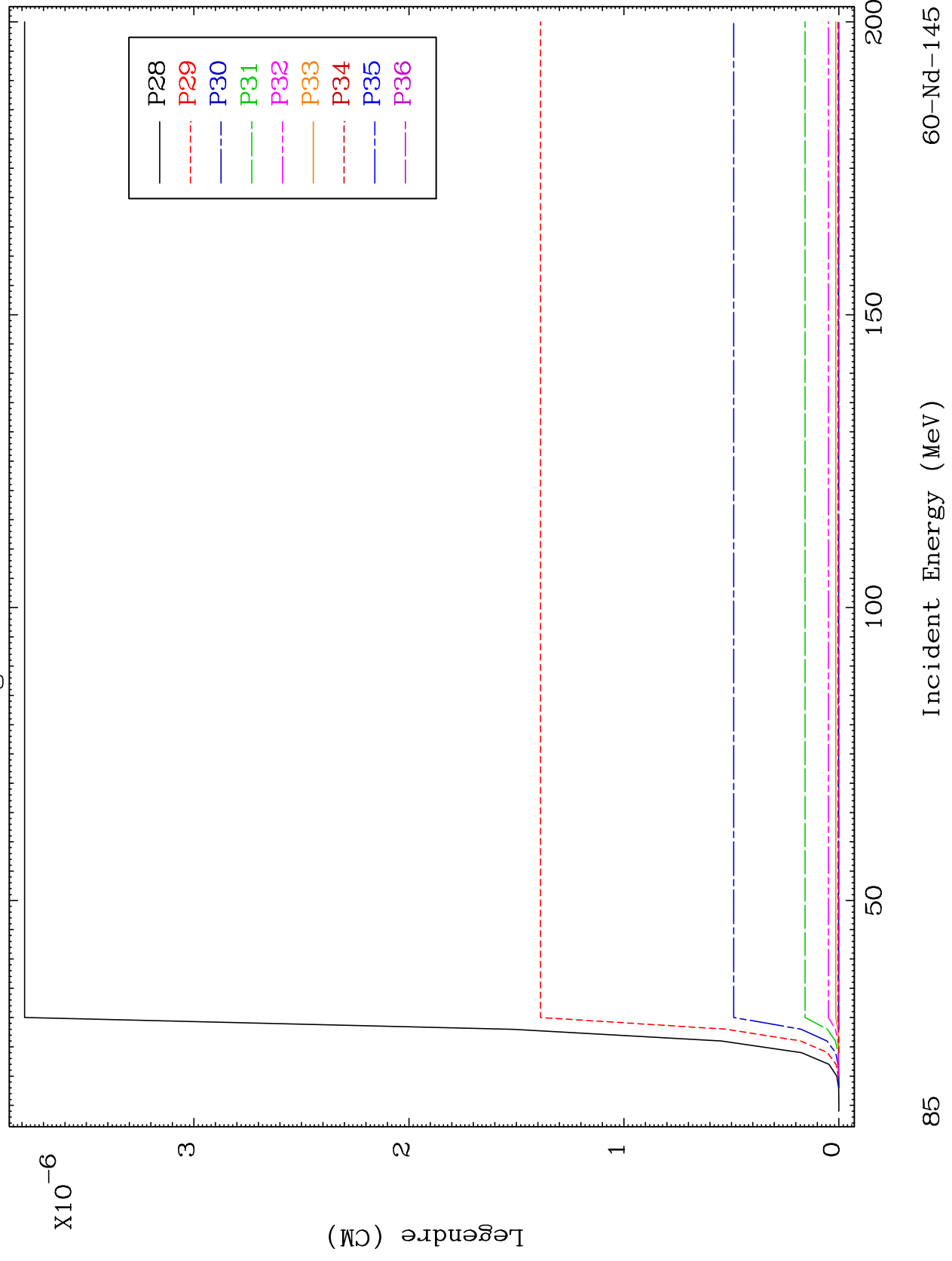
84

200

MAT 6034

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

60-Nd-145

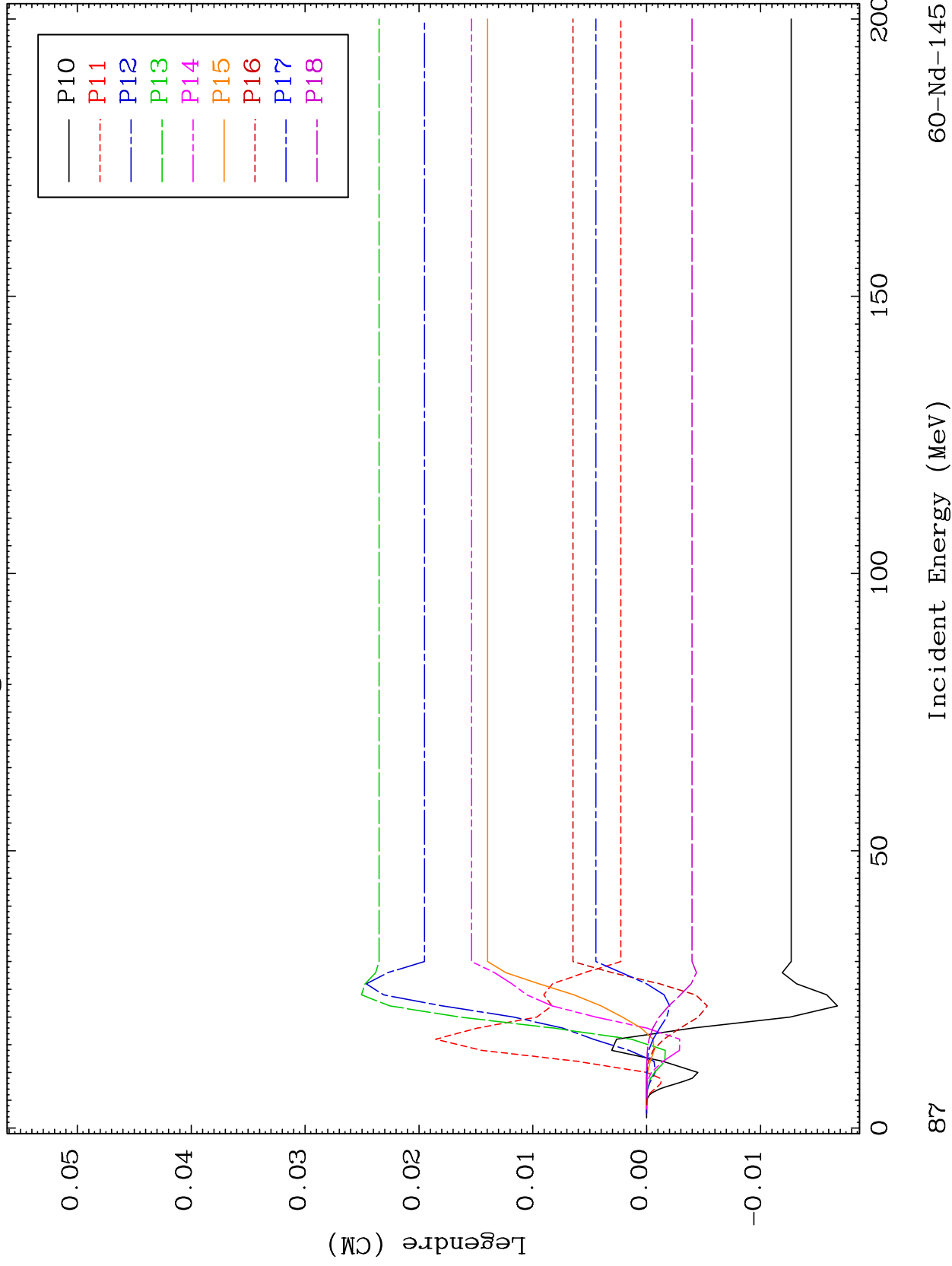




MAT 6034

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

60-Nd-145



60-Nd-145

Incident Energy (MeV)

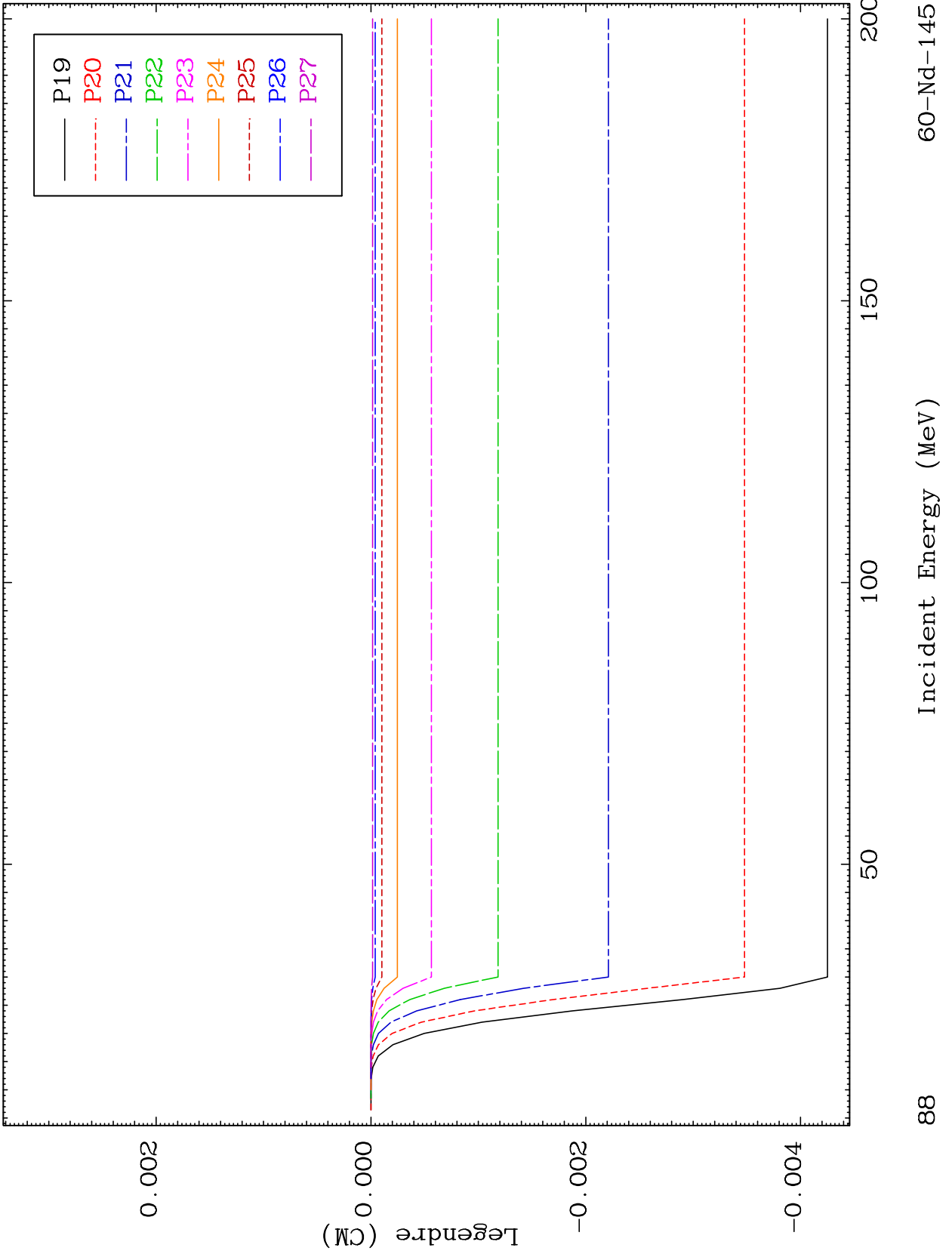
87



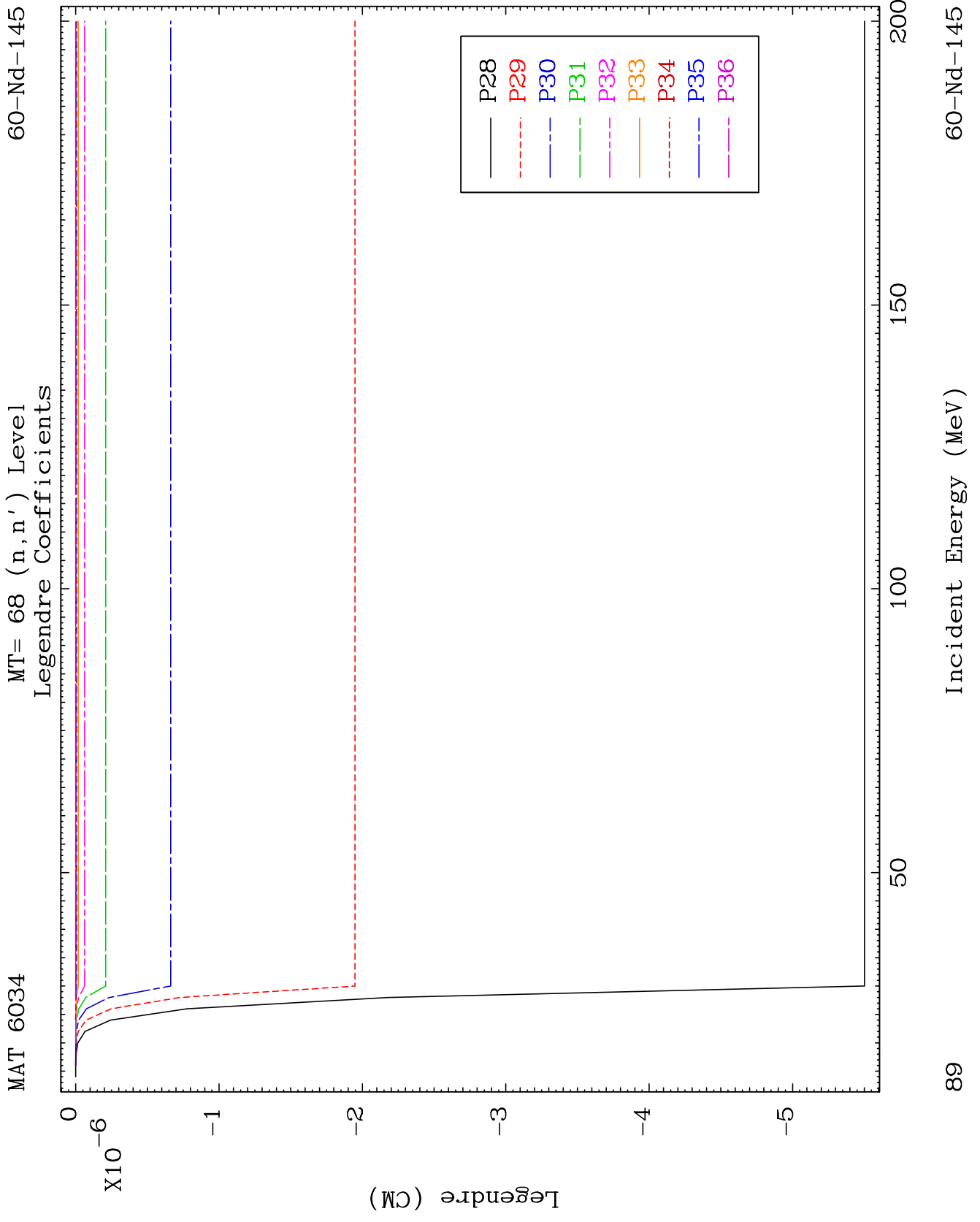
MAT 6034

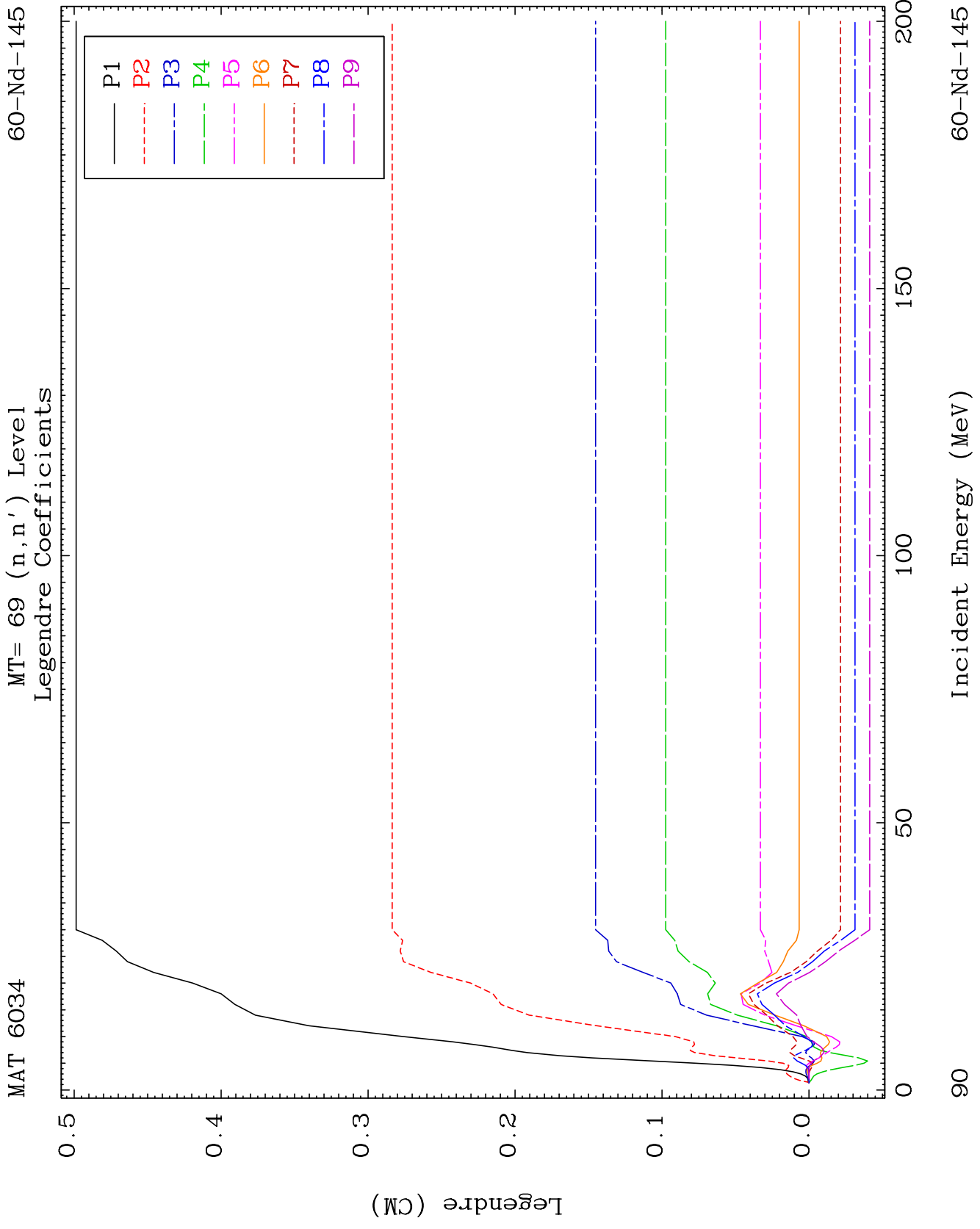
MT= 68 (n,n') Level  
Legendre Coefficients

60-Nd-145



88

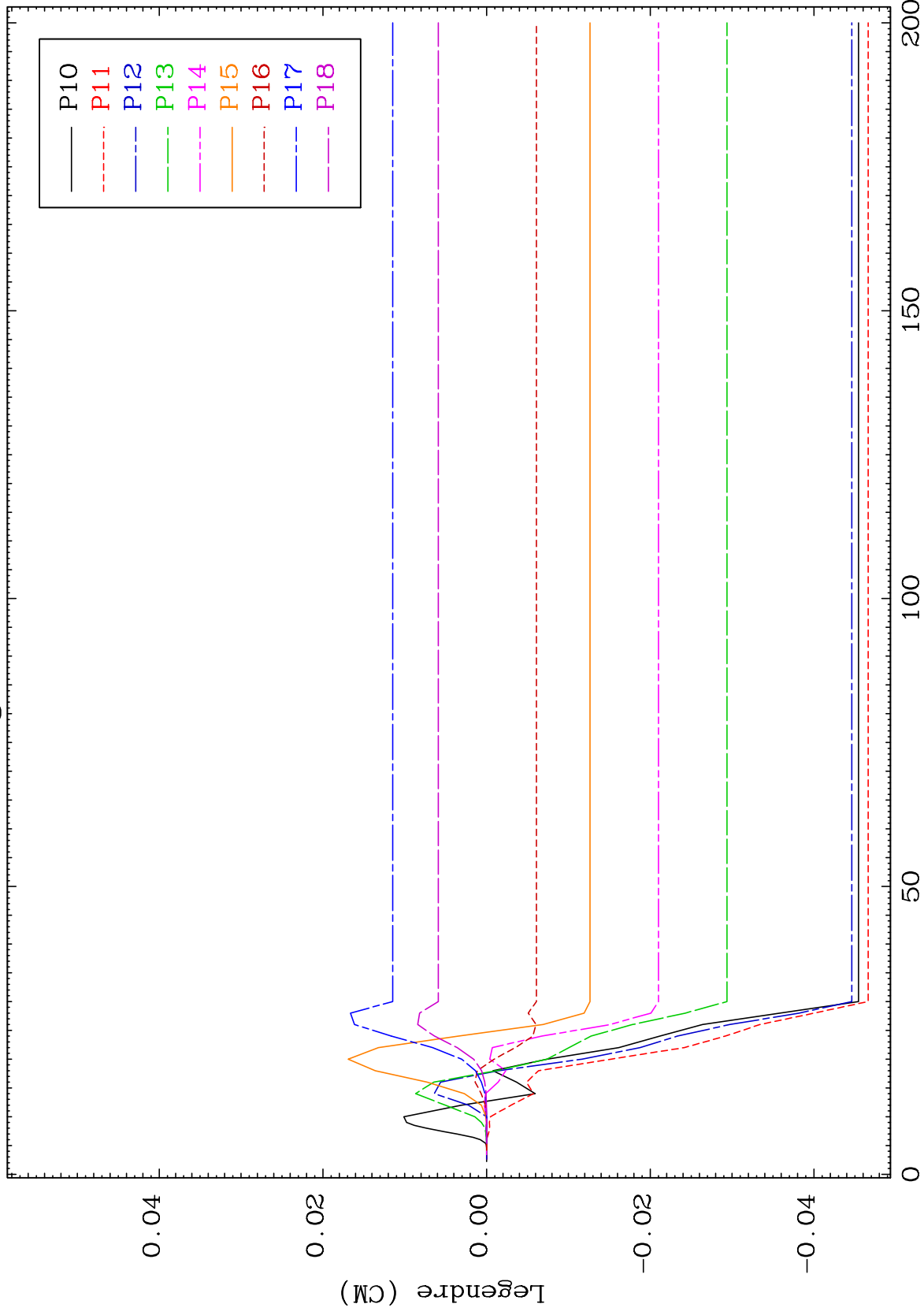




MAT 6034

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

60-Nd-145



91

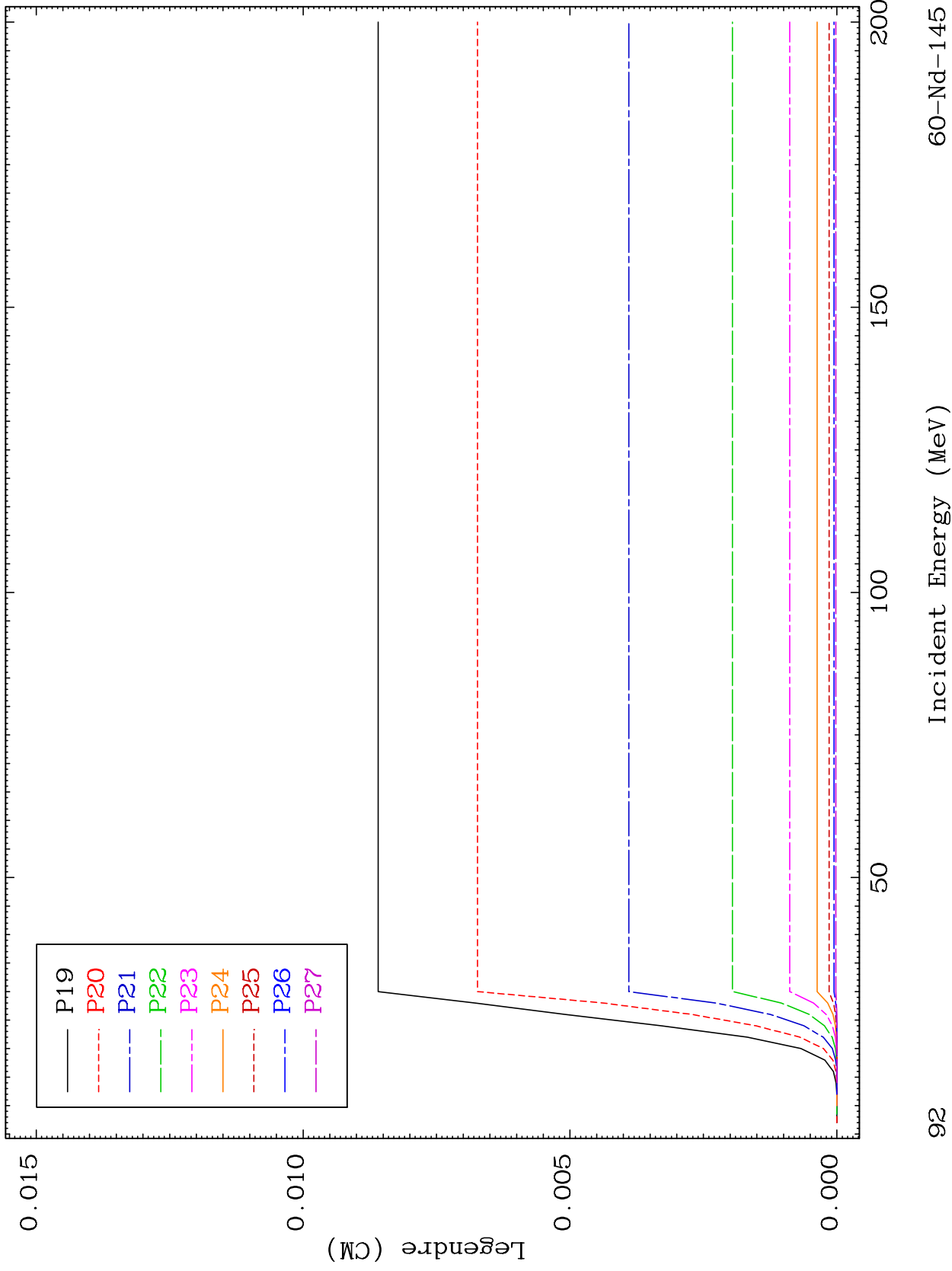
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



92

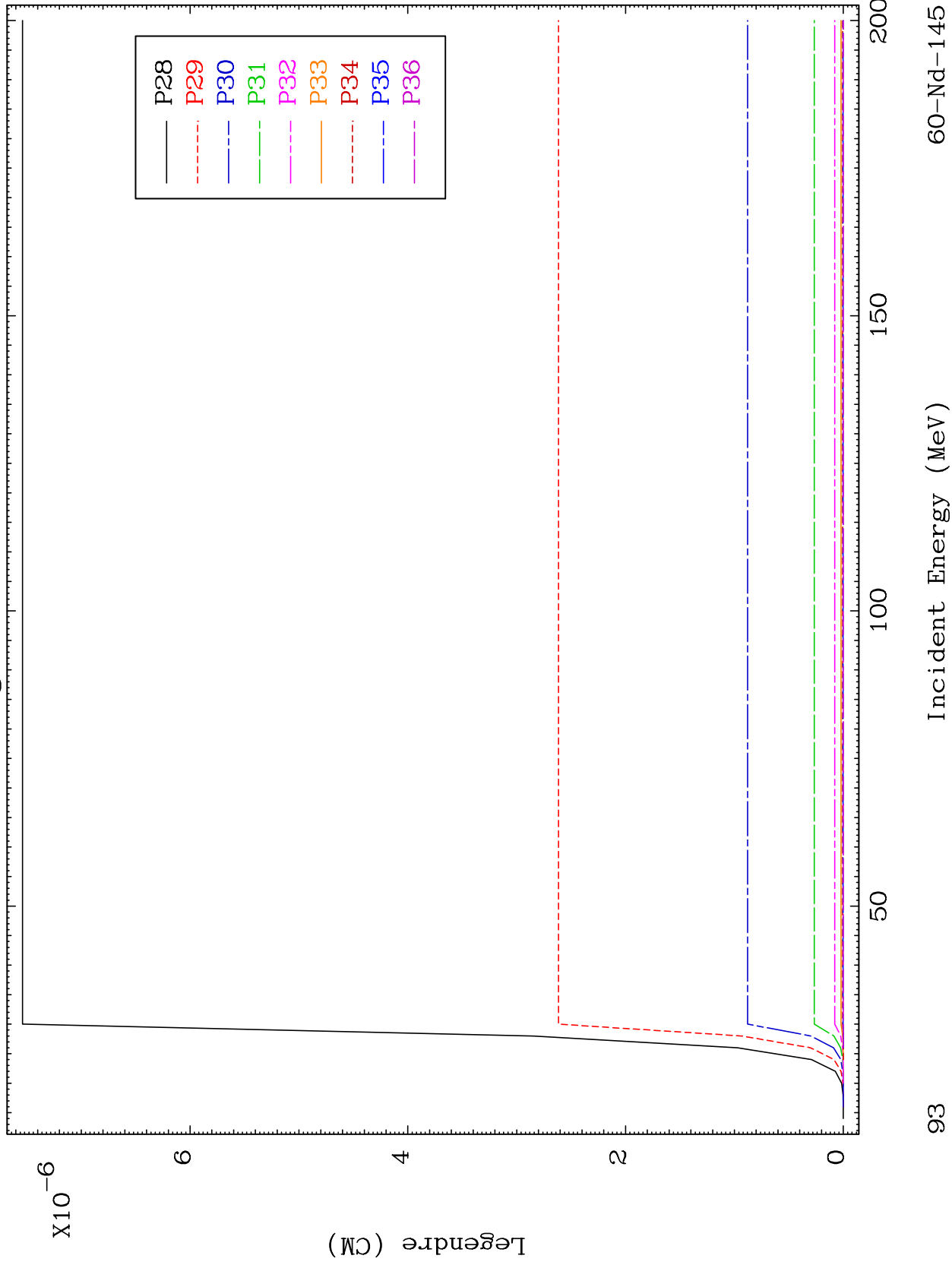
Incident Energy (MeV)

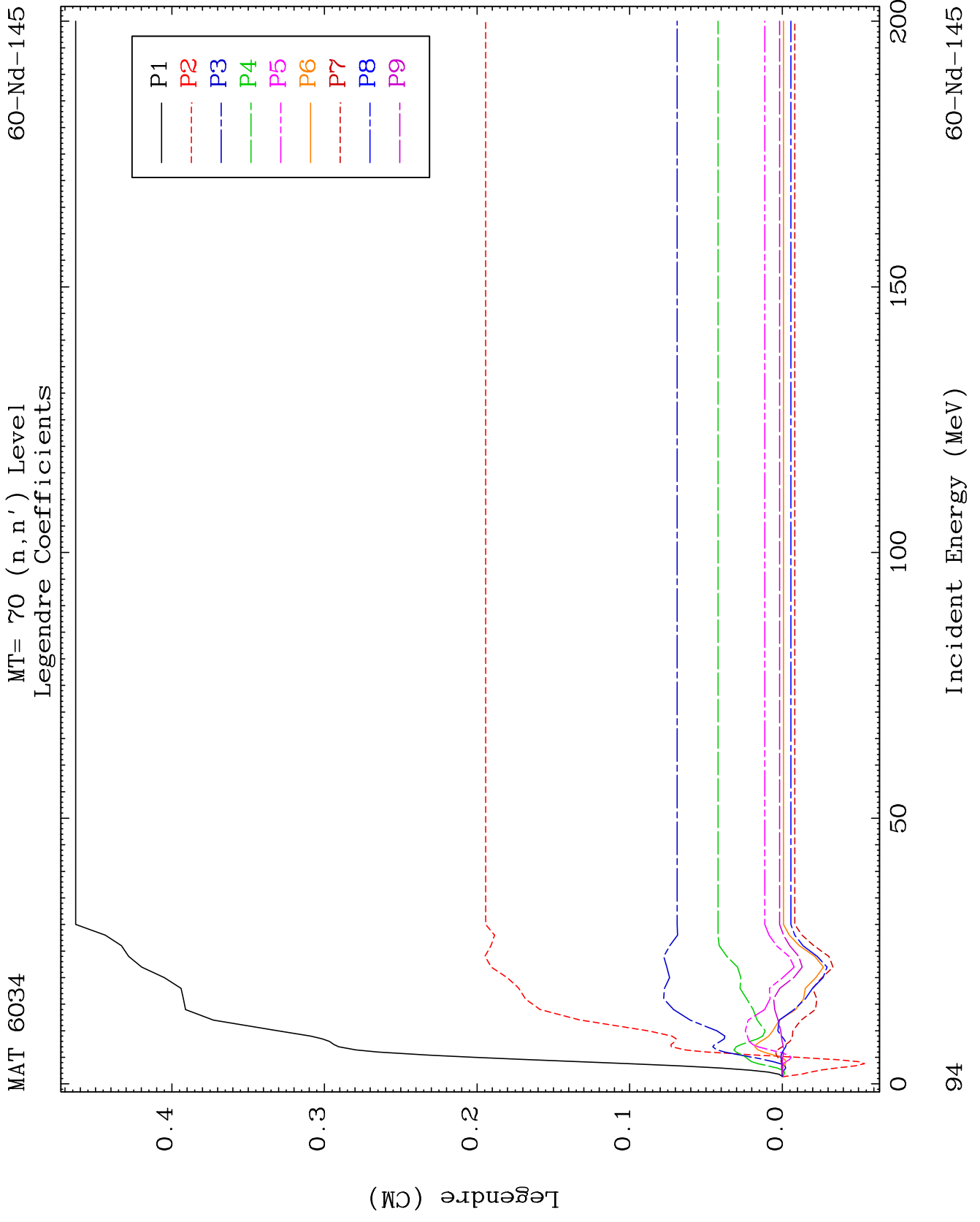
60-Nd-145

MAT 6034

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

60-Nd-145

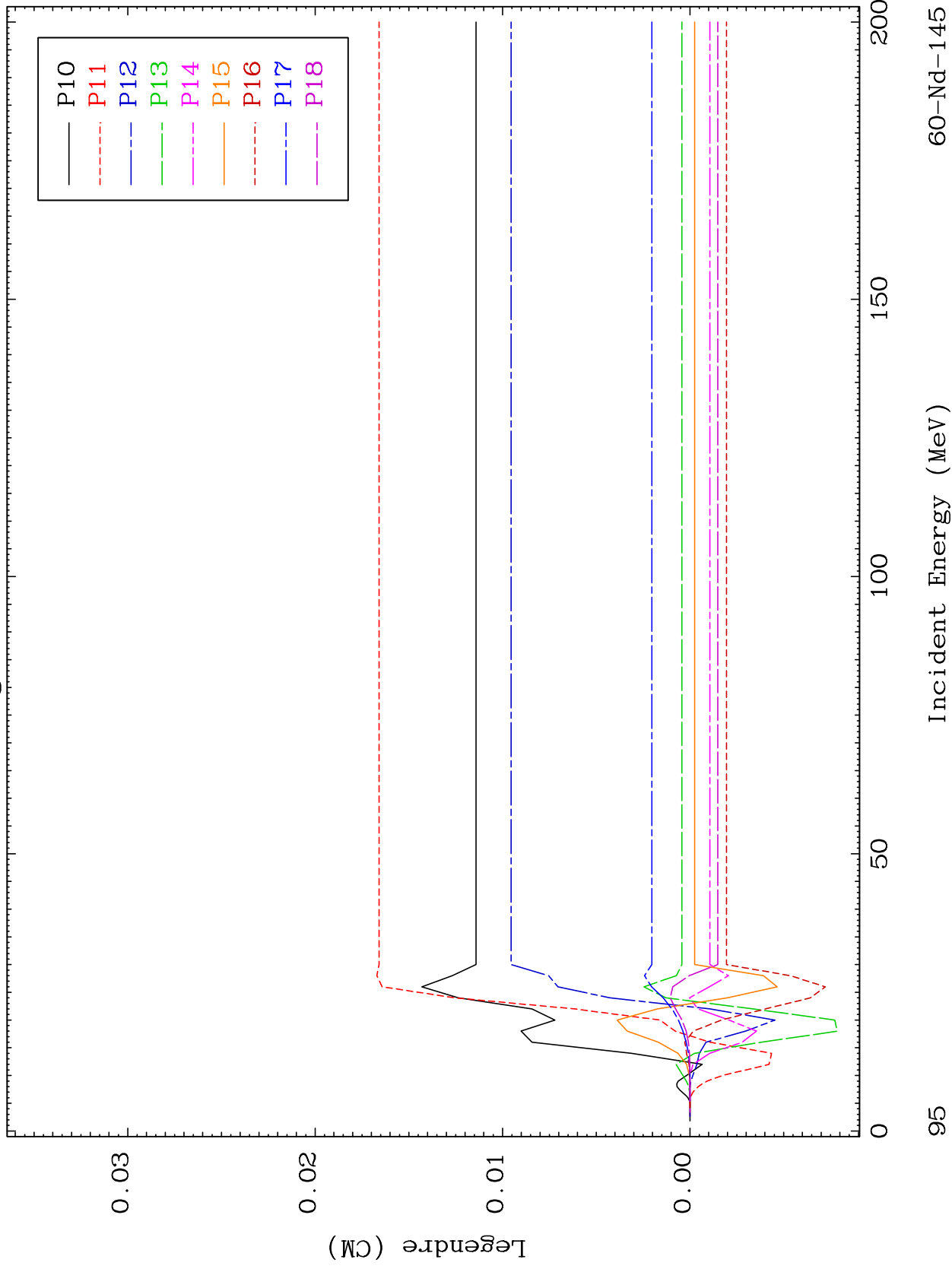




MAT 6034

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

60-Nd-145

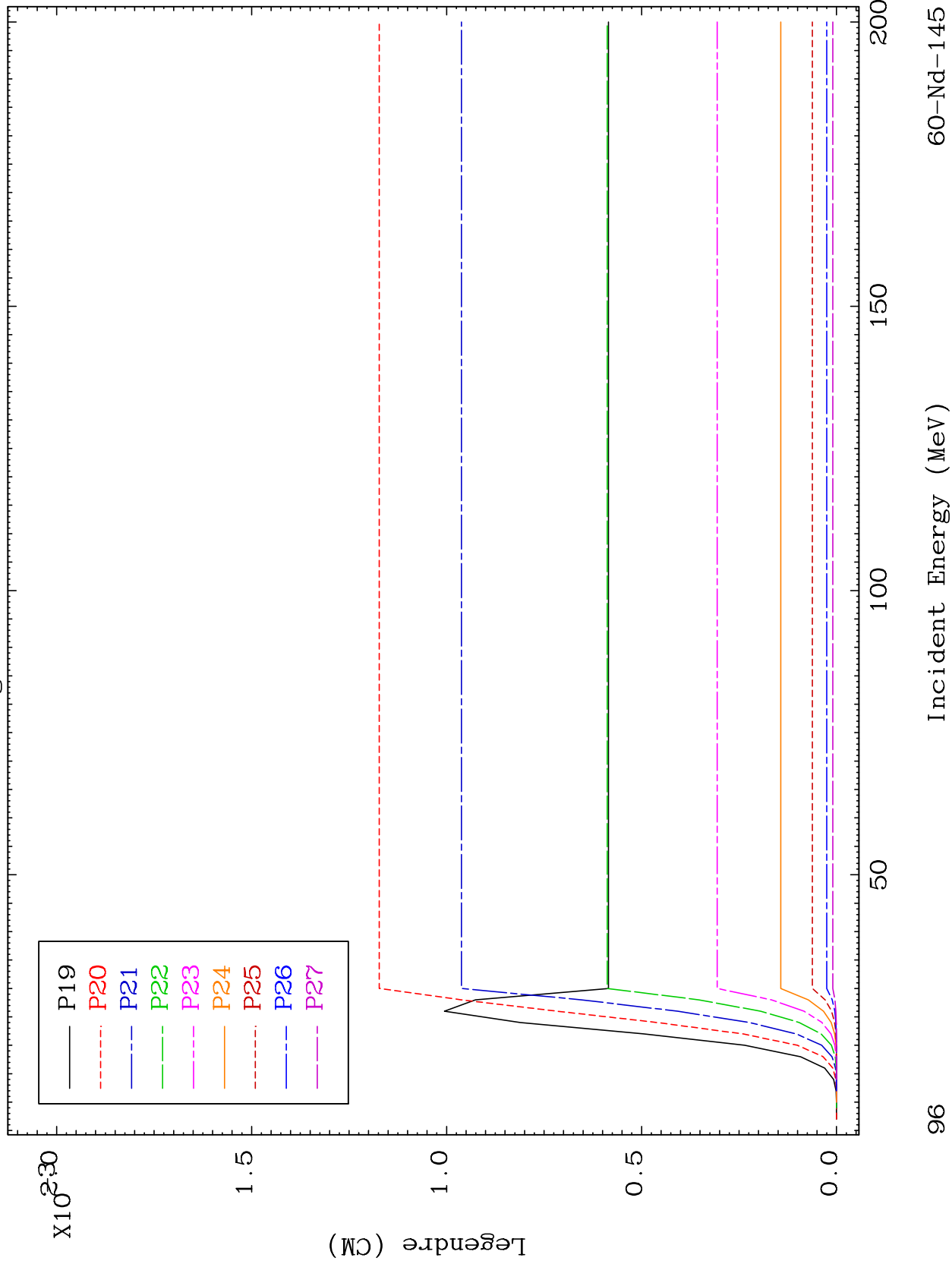




MAT 6034

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

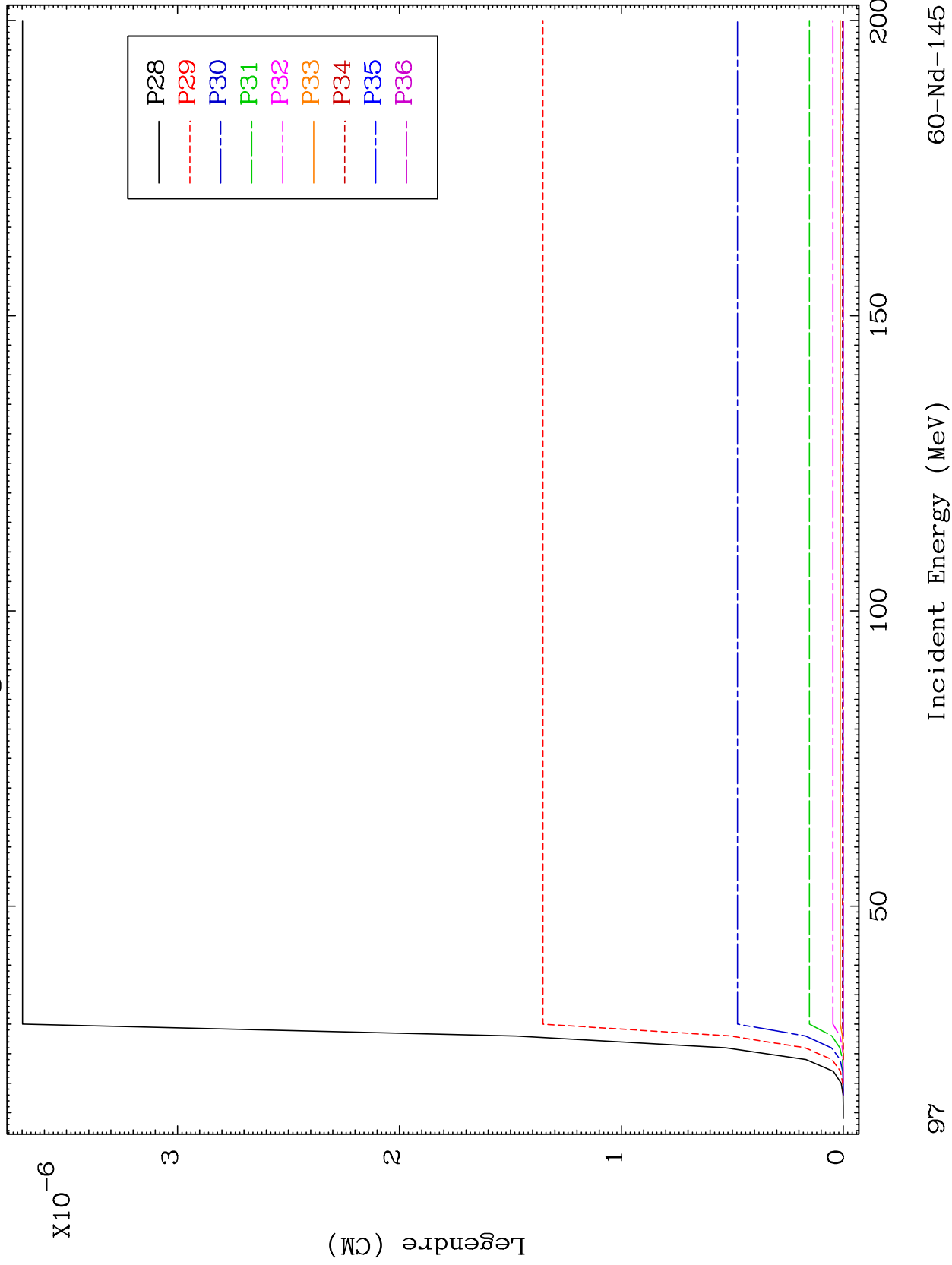
60-Nd-145



MAT 6034

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

60-Nd-145

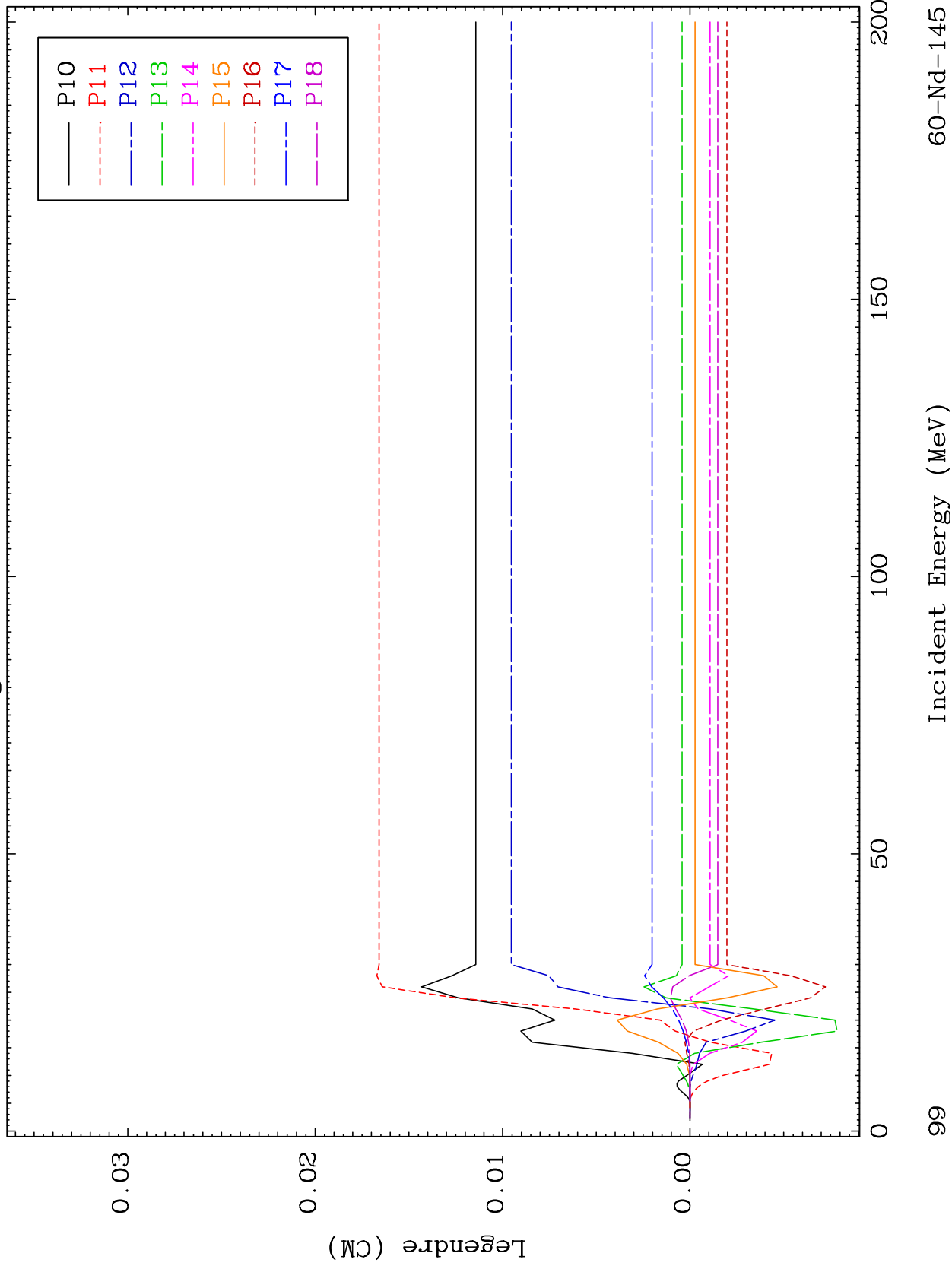




MAT 6034

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

60-Nd-145

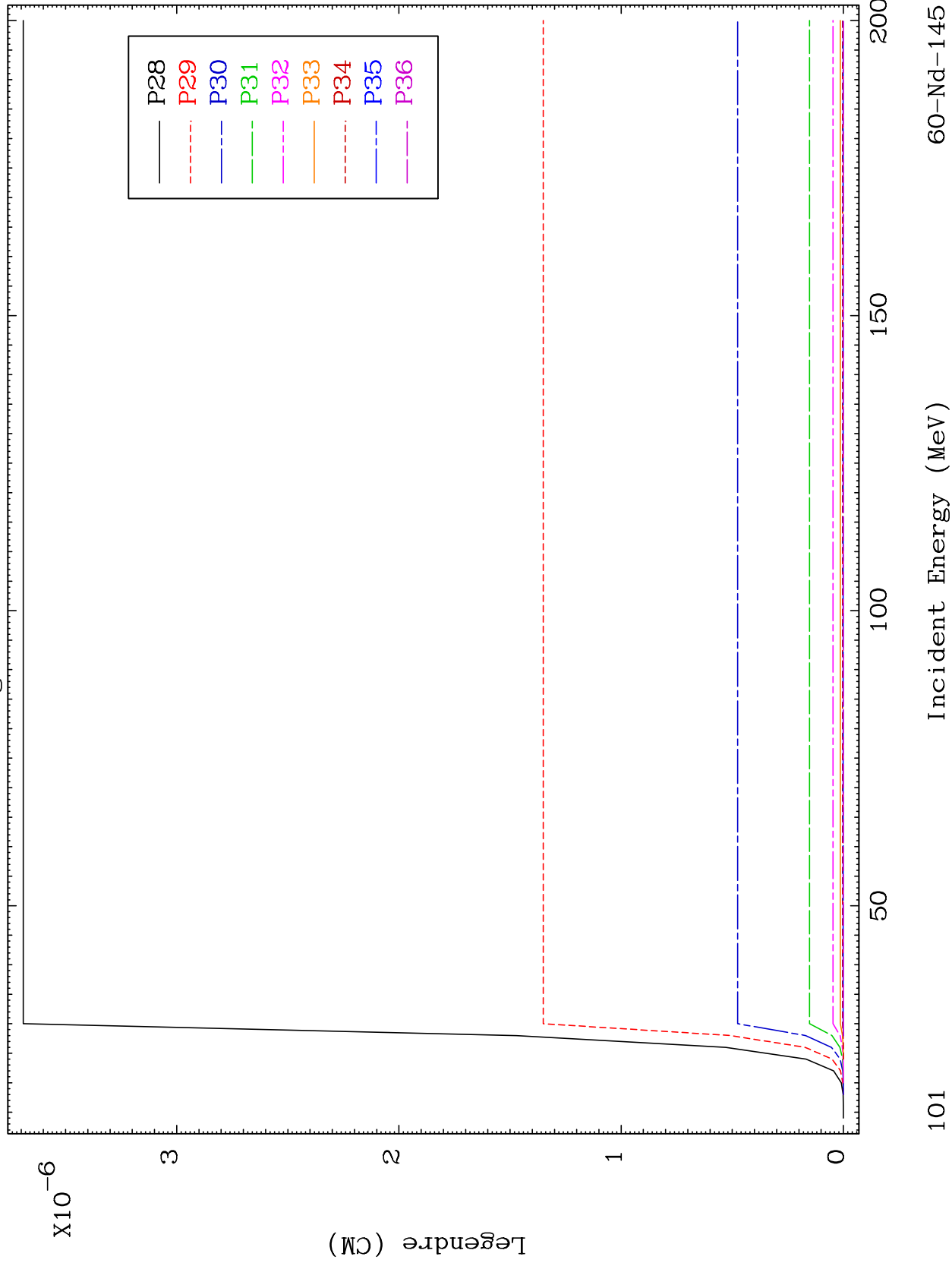




MAT 6034

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

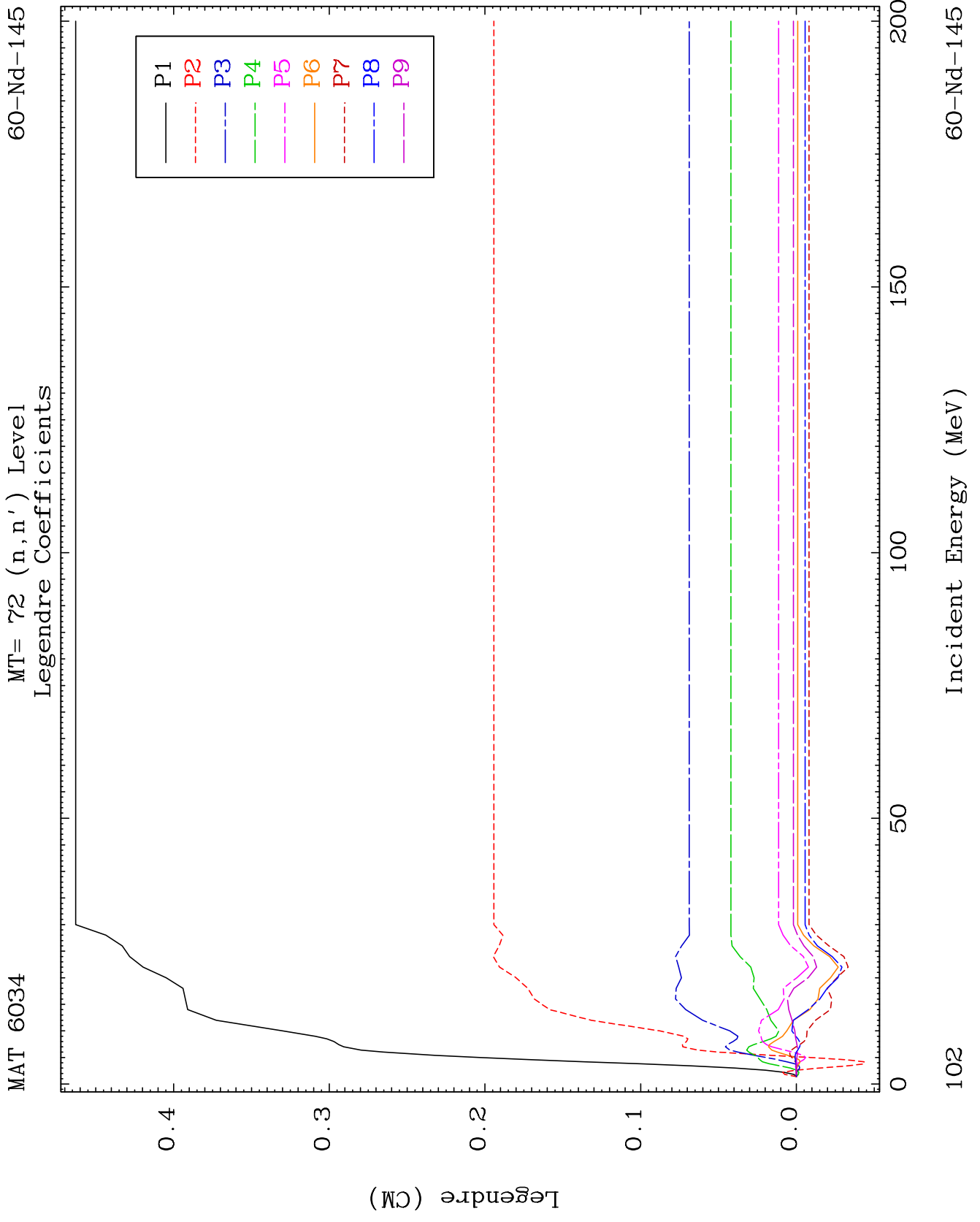
60-Nd-145



101

Incident Energy (MeV)

60-Nd-145



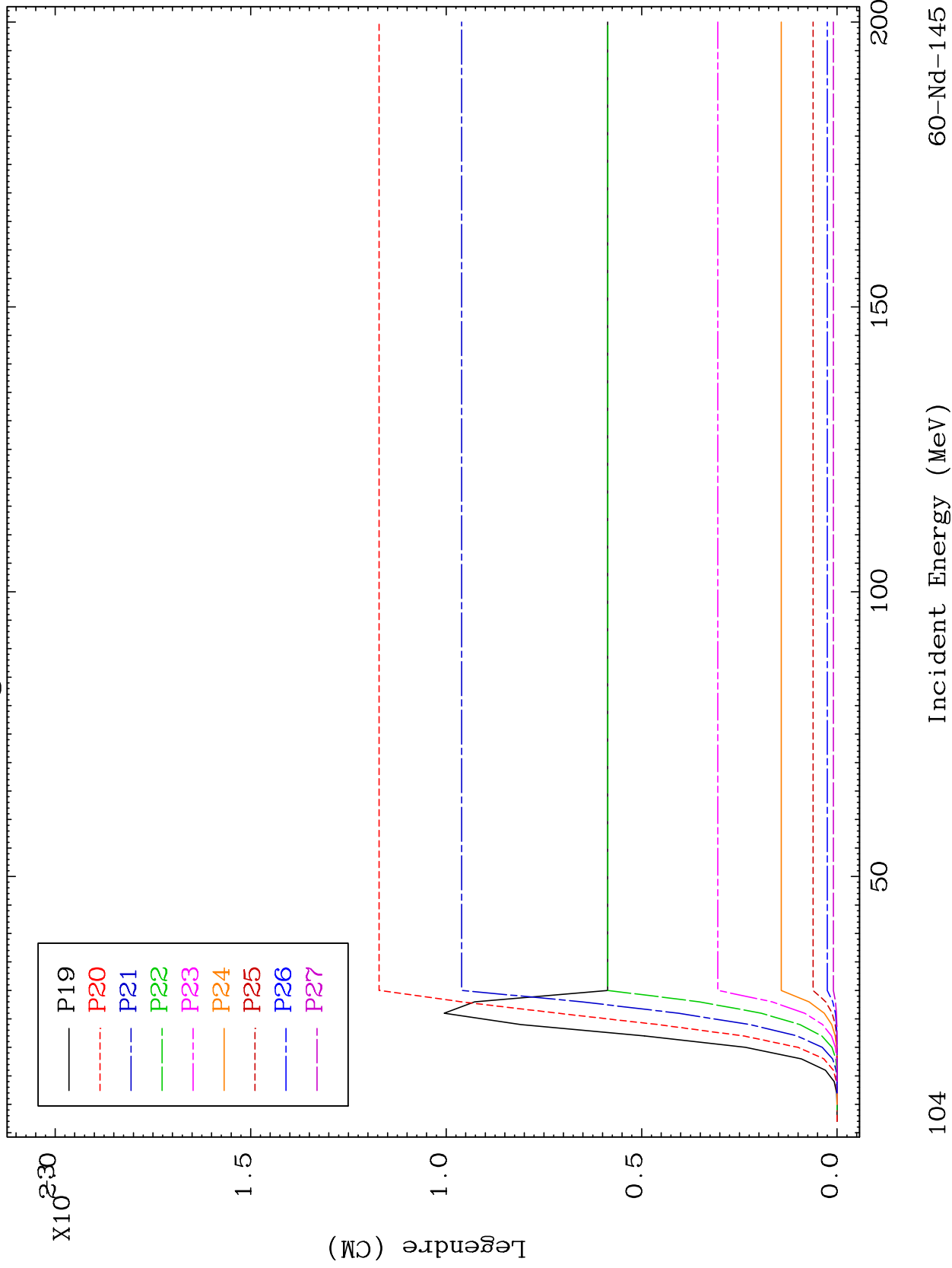




MAT 6034

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

60-Nd-145



104

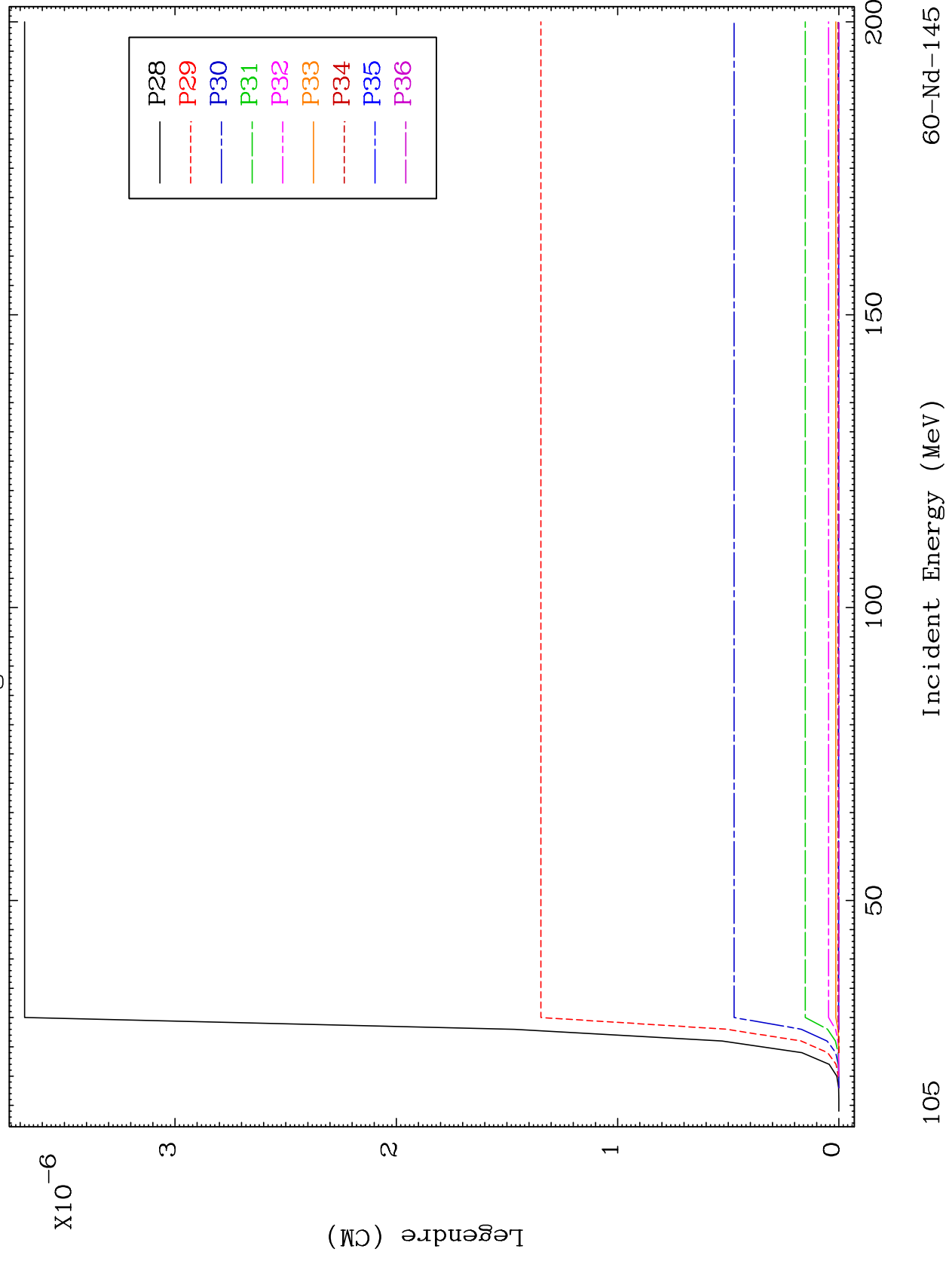
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



105

Incident Energy (MeV)

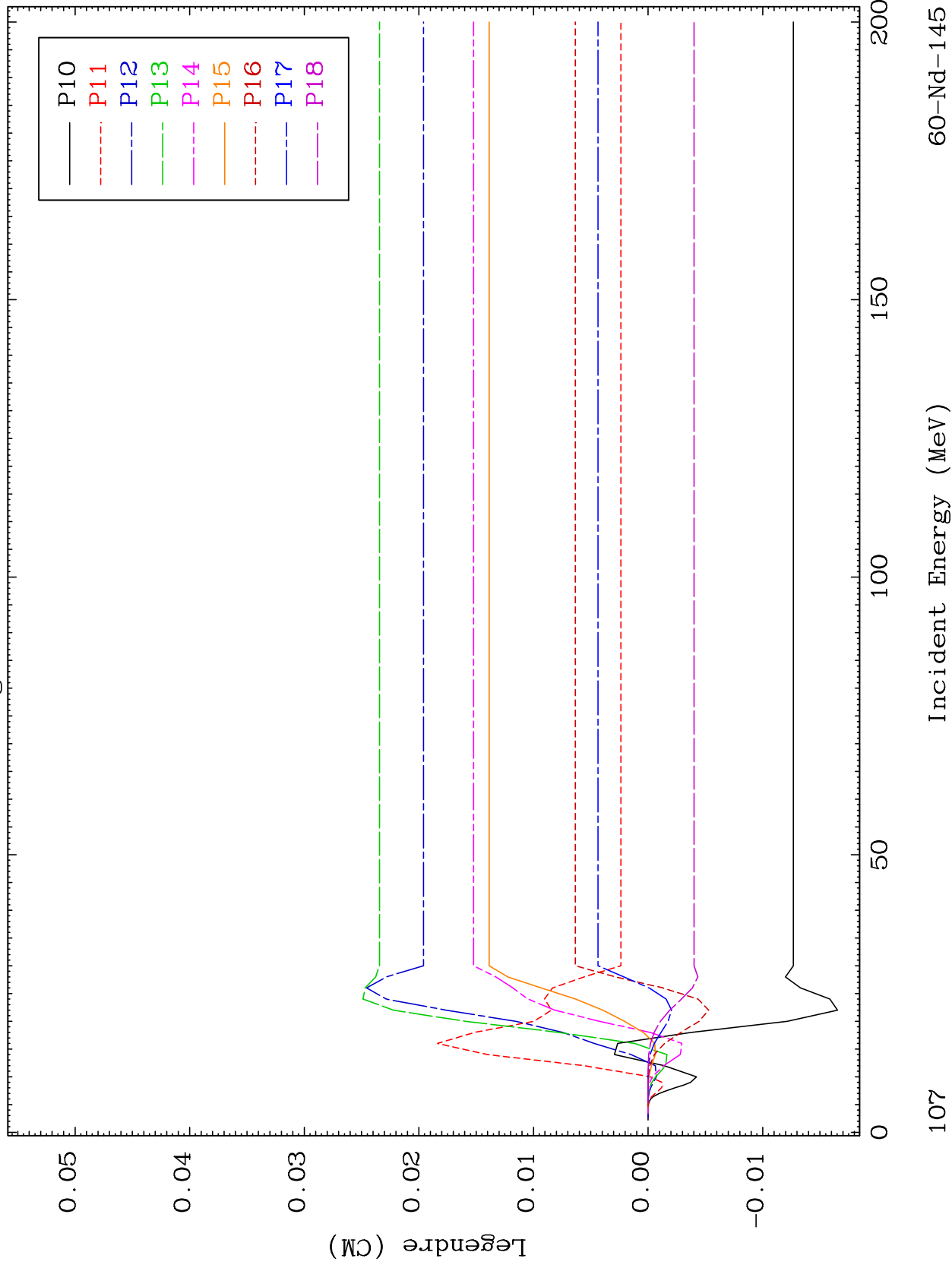
60-Nd-145



MAT 6034

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

60-Nd-145



60-Nd-145

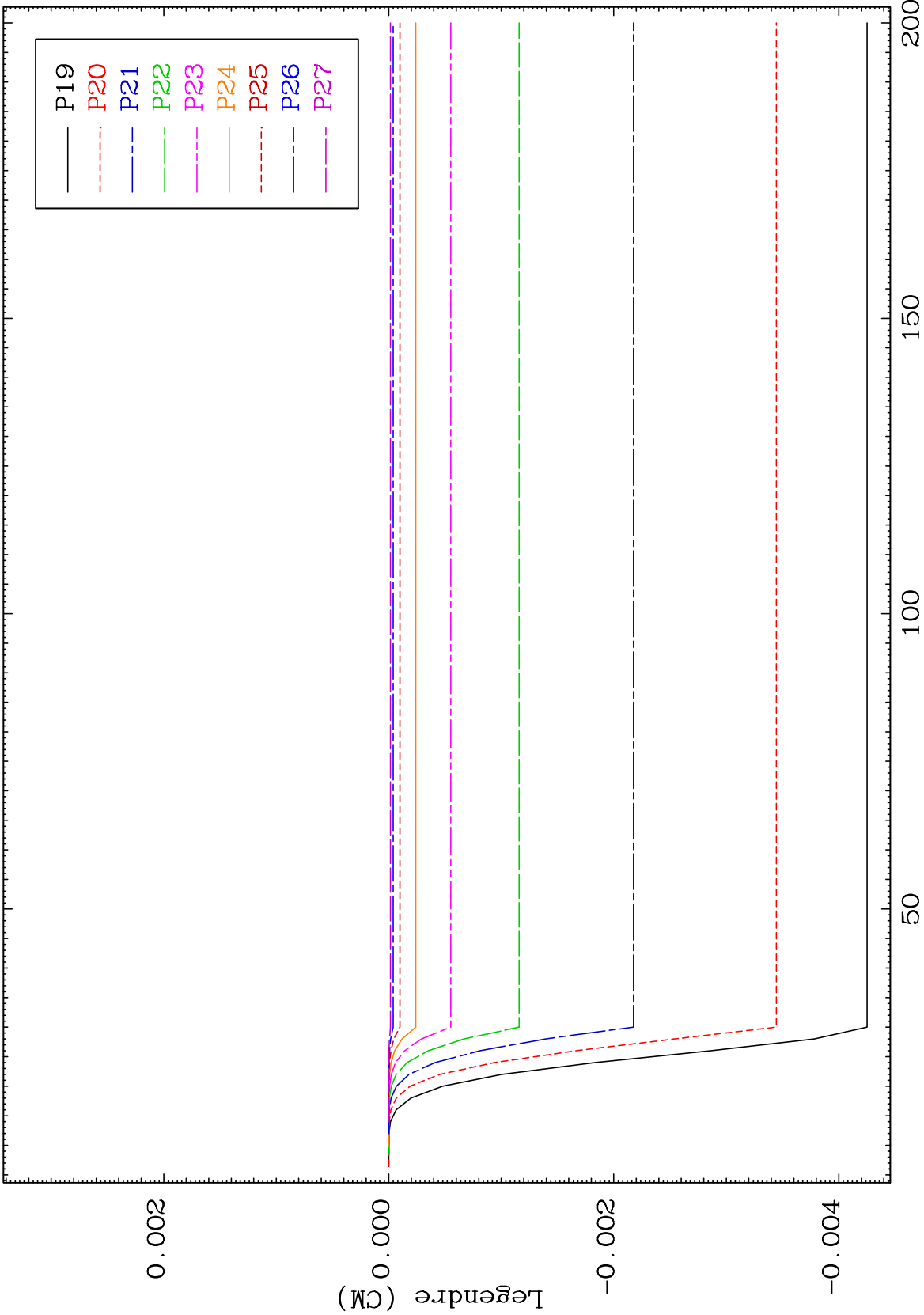
Incident Energy (MeV)

107

MAT 6034

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

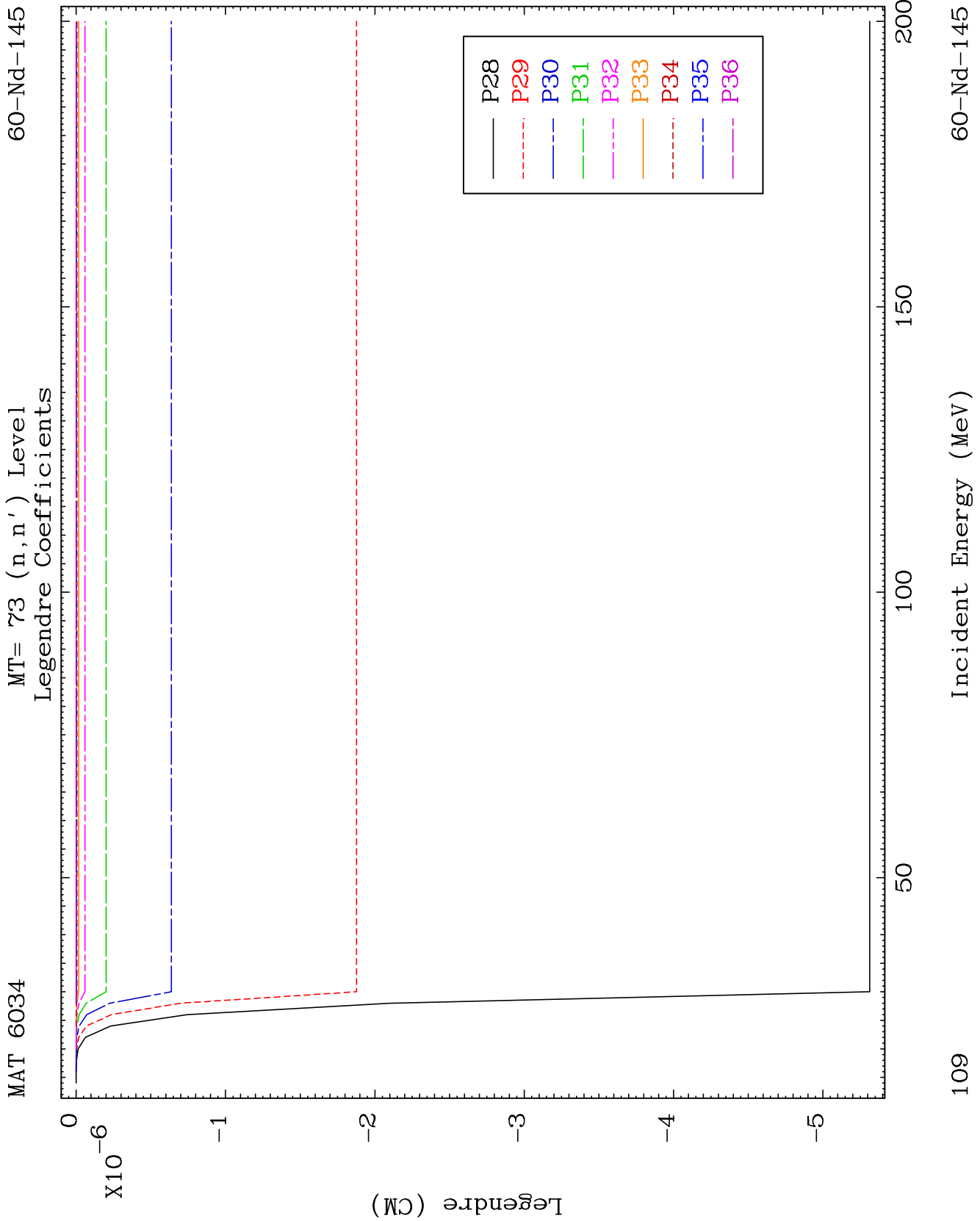
60-Nd-145



108

Incident Energy (MeV)

60-Nd-145

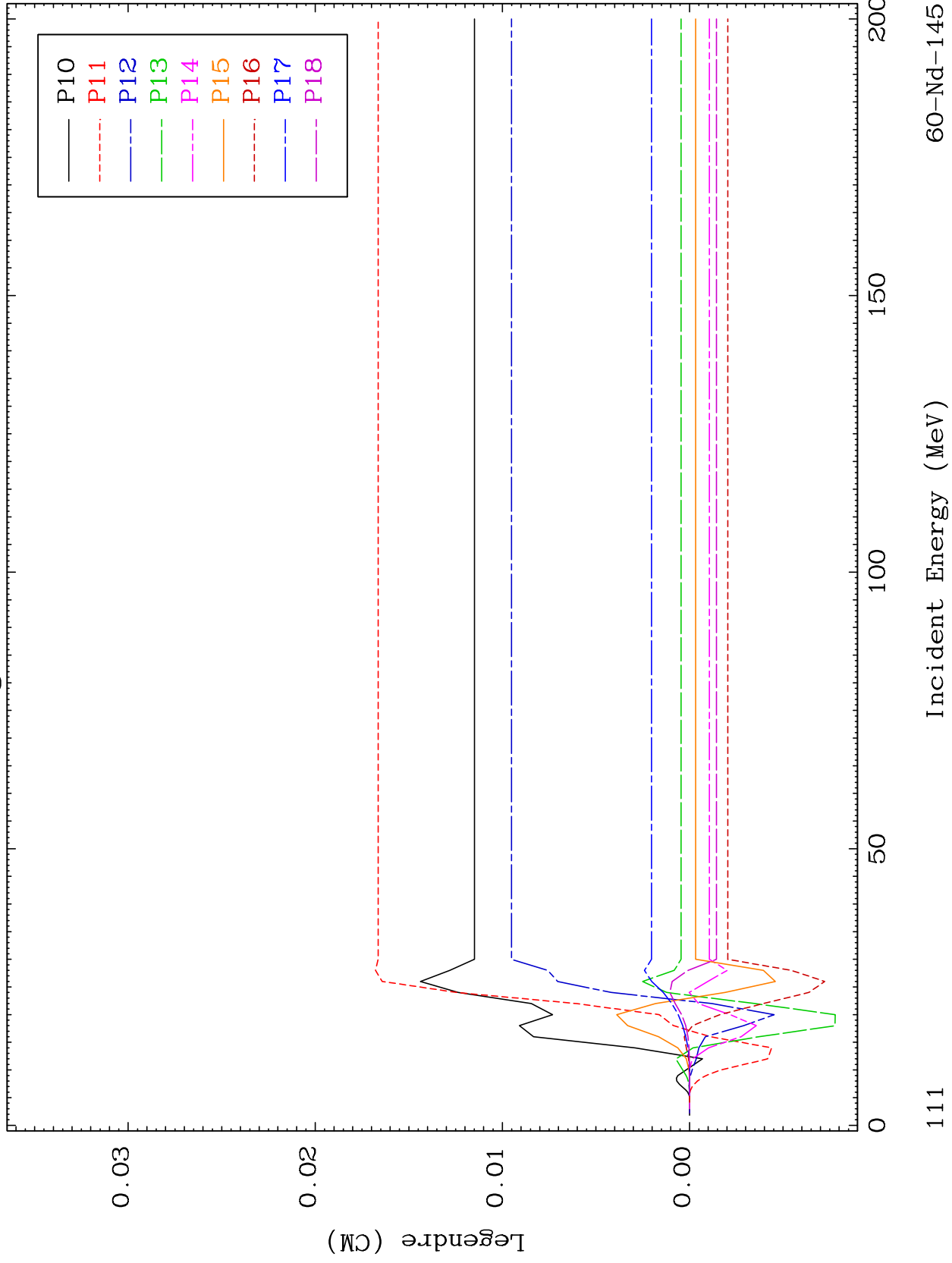




MAT 6034

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

60-Nd-145



111

Incident Energy (MeV)

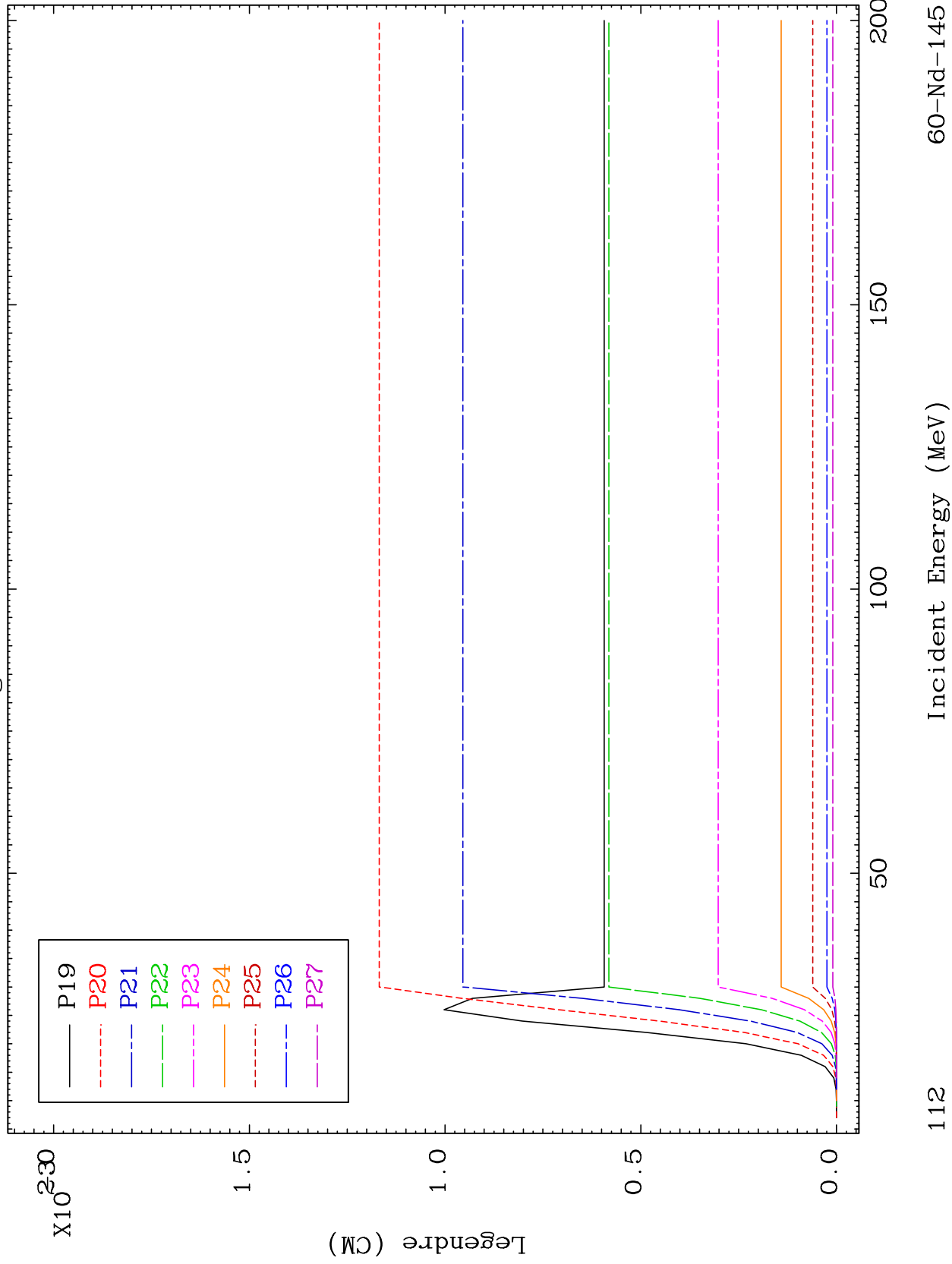
60-Nd-145



MAT 6034

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

60-Nd-145

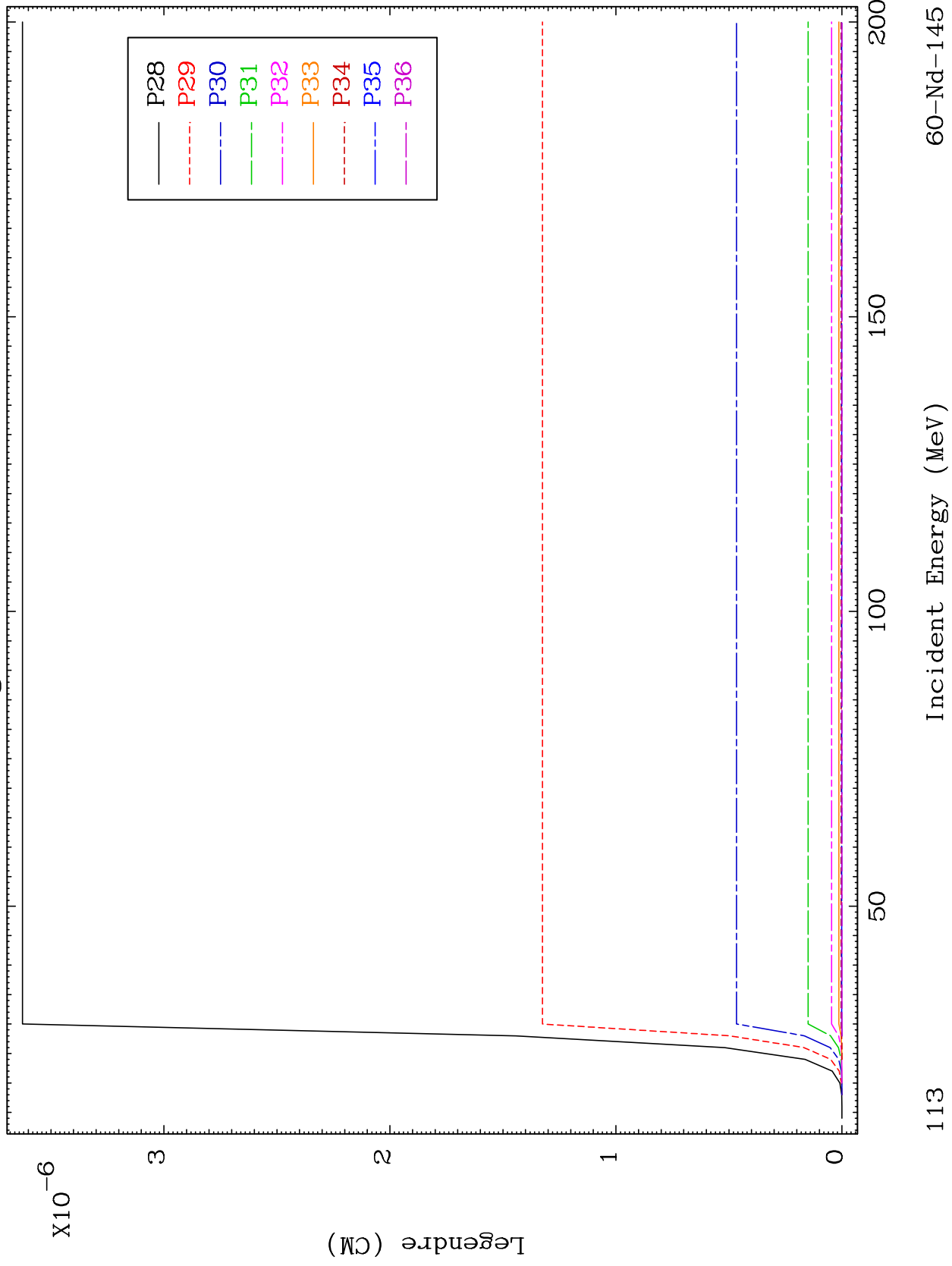


112

MAT 6034

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

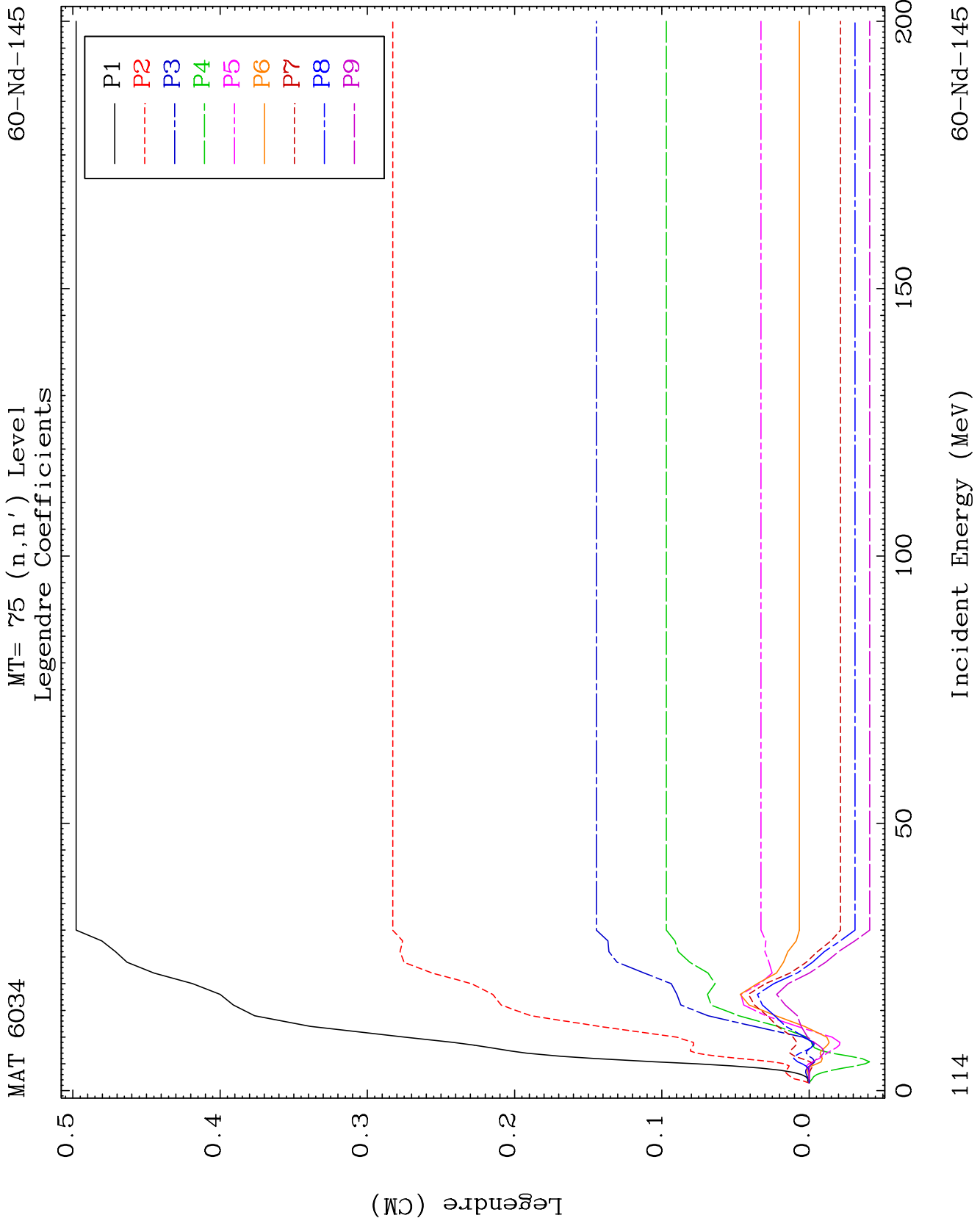
60-Nd-145



113

Incident Energy (MeV)

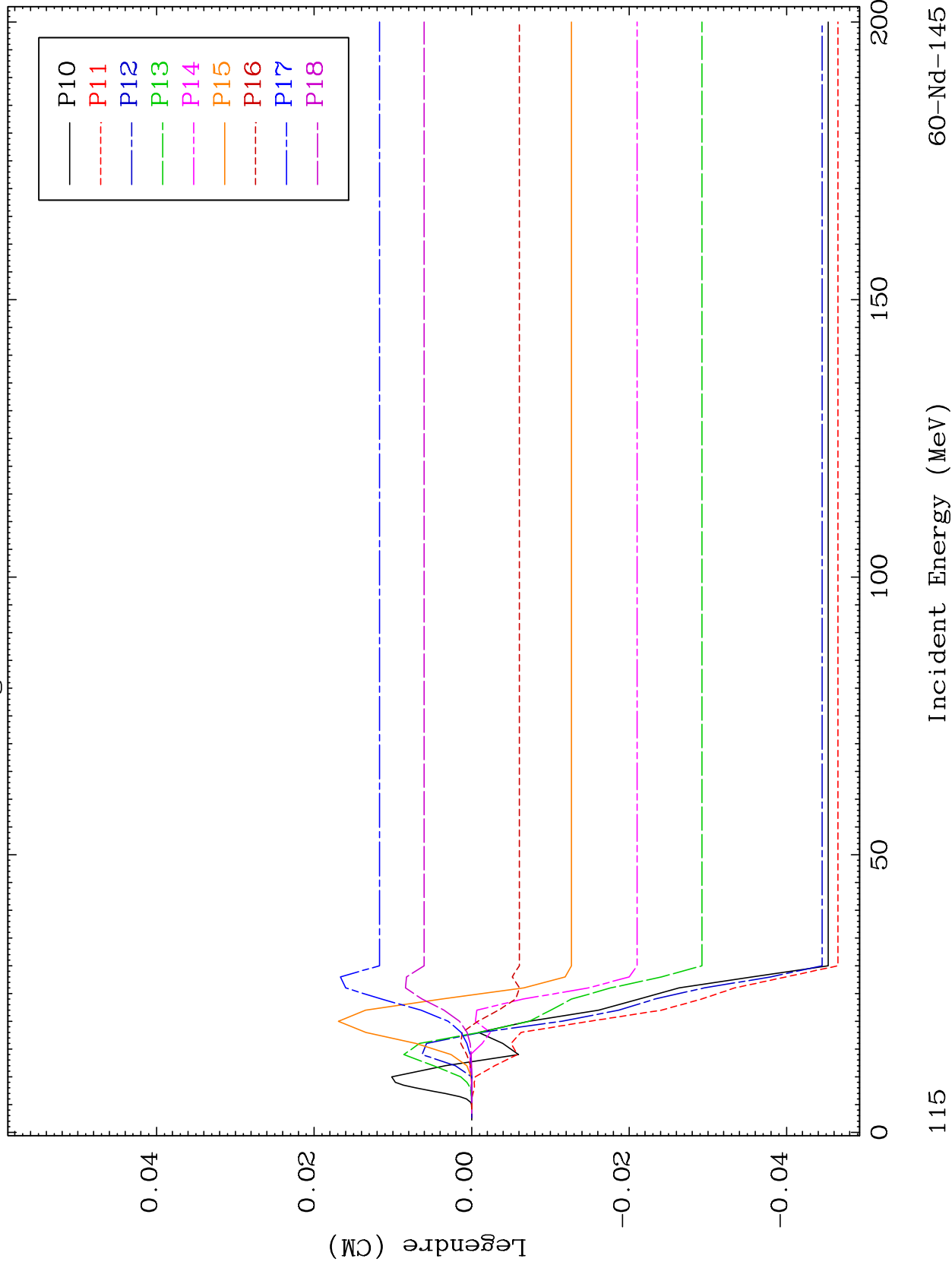
60-Nd-145



MAT 6034

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

60-Nd-145



60-Nd-145

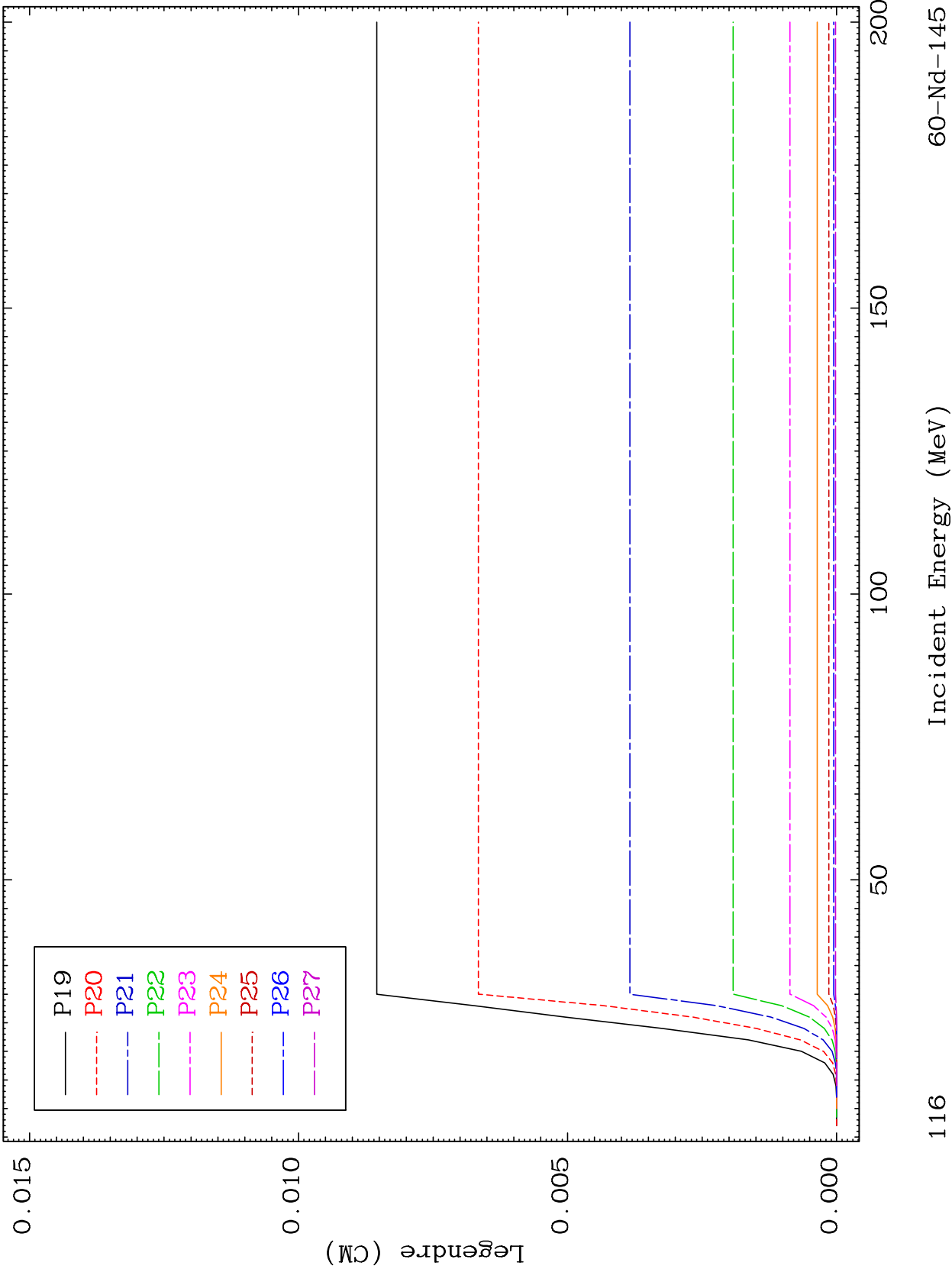
Incident Energy (MeV)

115

MAT 6034

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

60-Nd-145



116

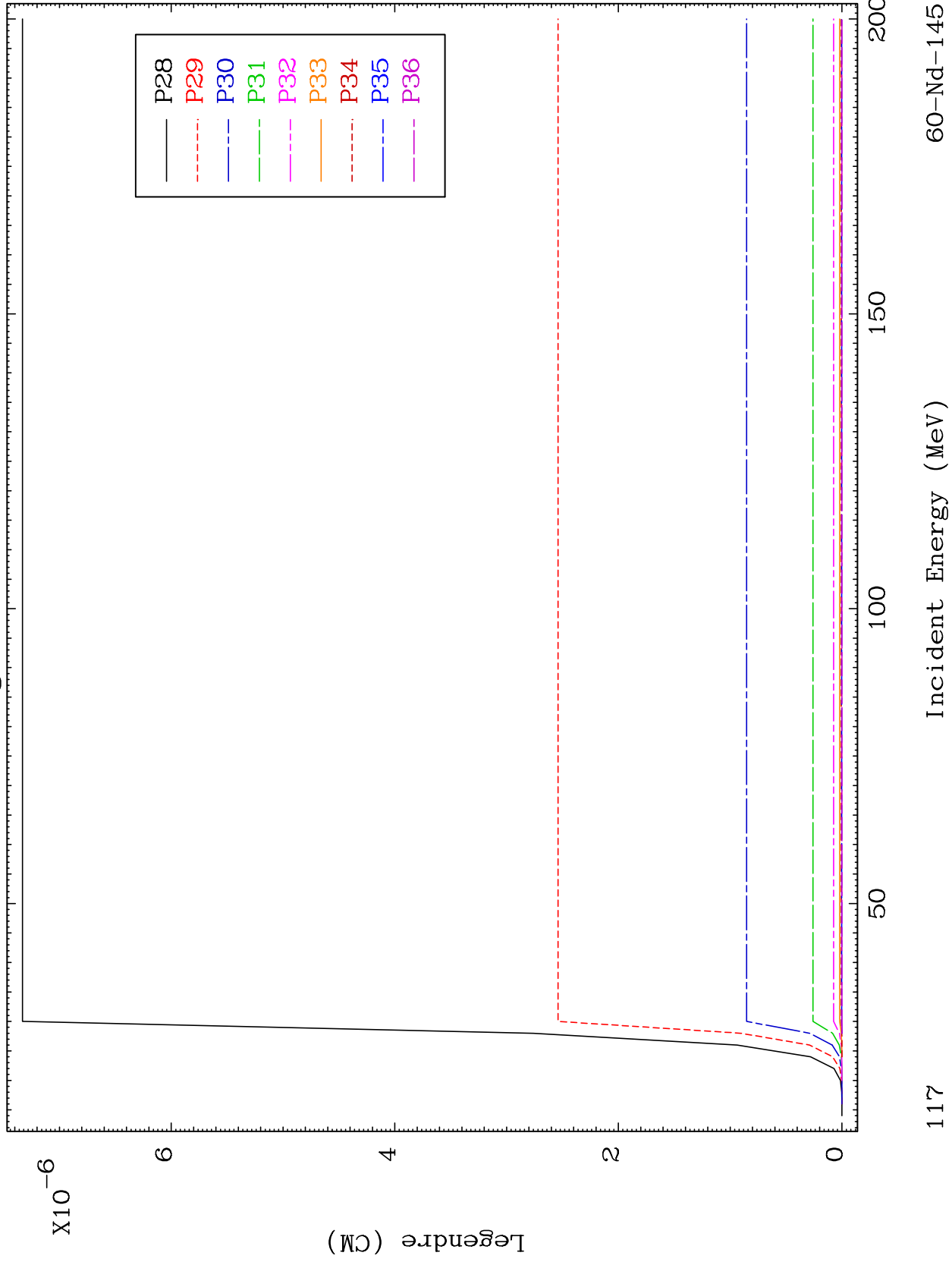
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

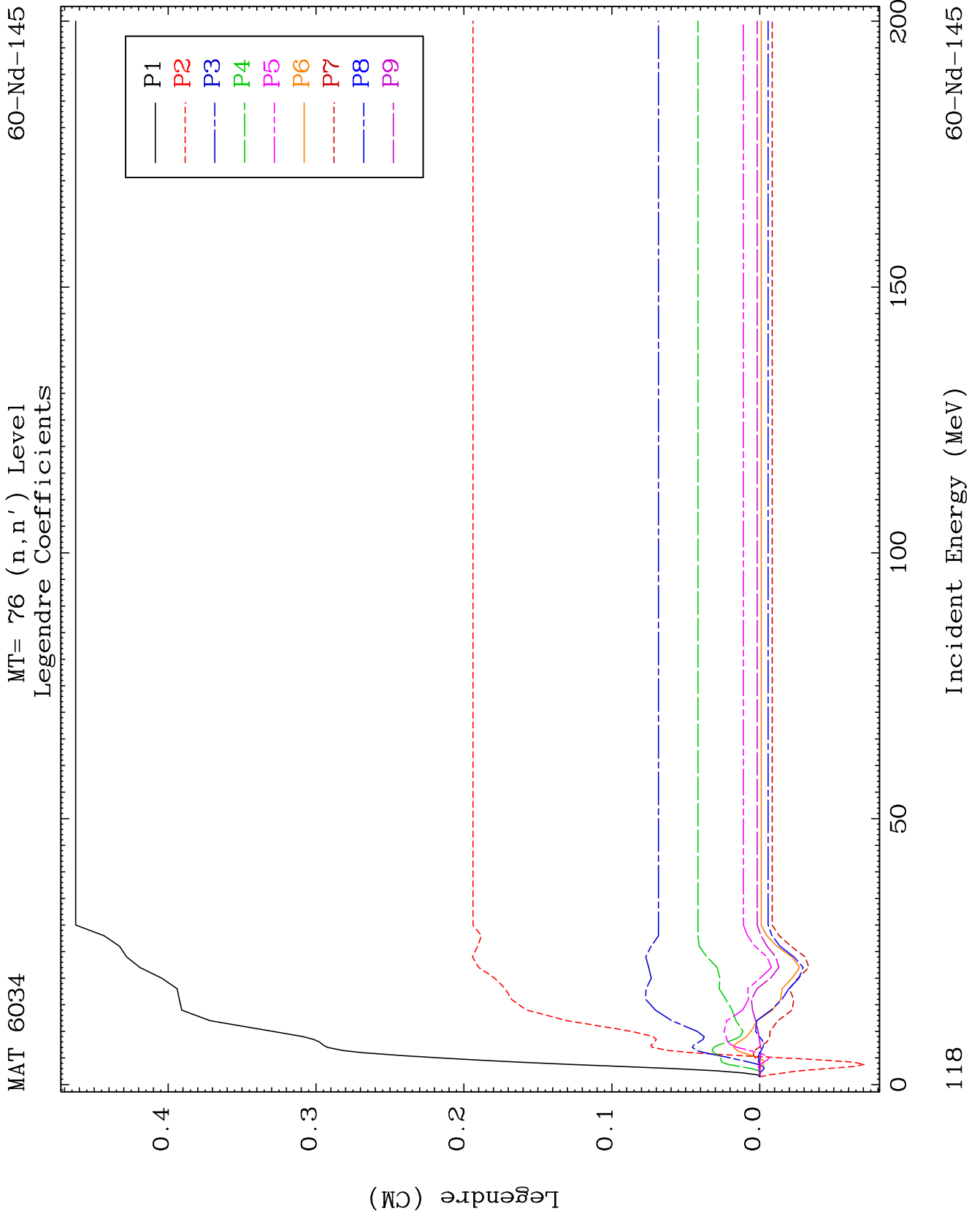
60-Nd-145

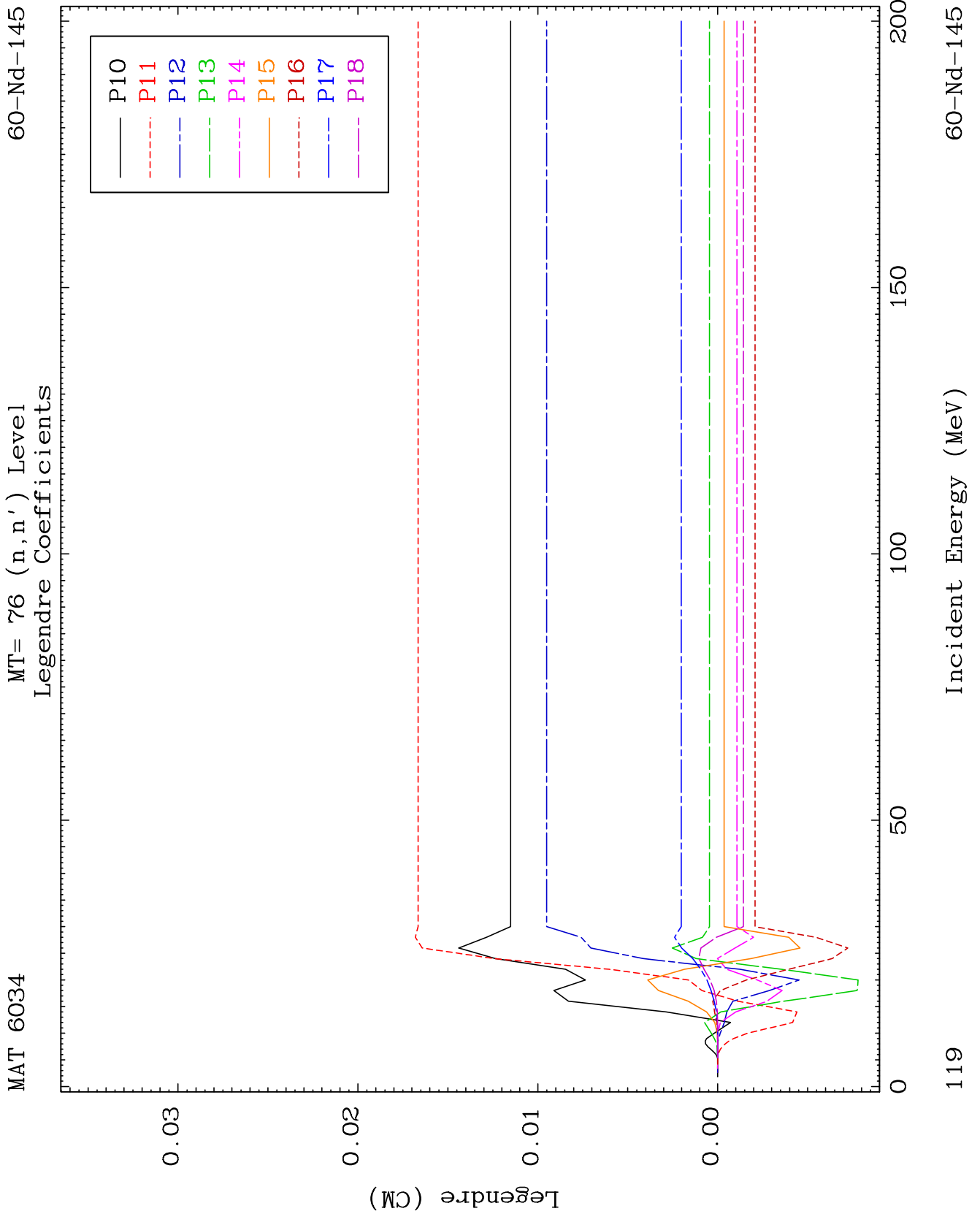


117

Incident Energy (MeV)

60-Nd-145



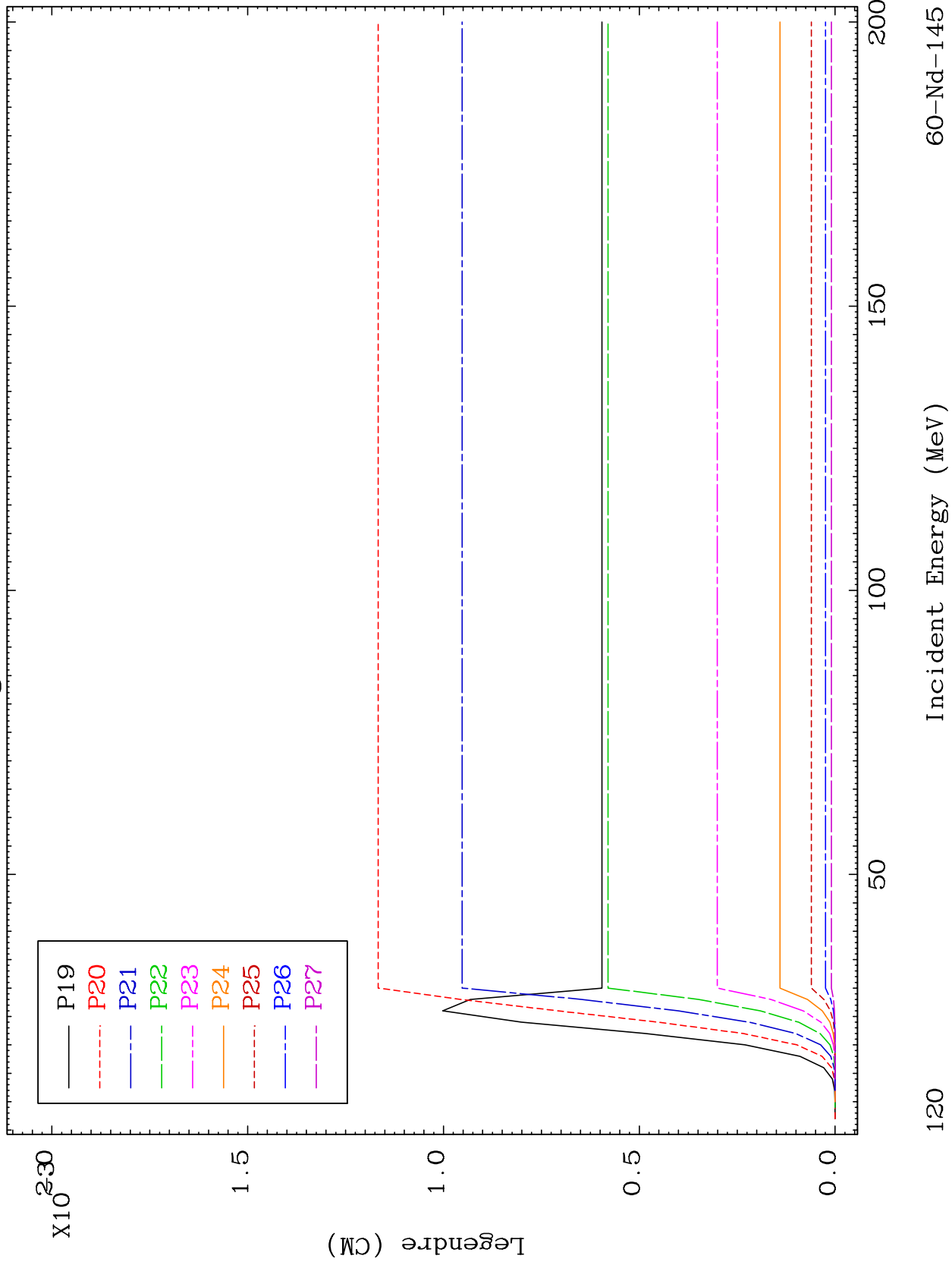




MAT 6034

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

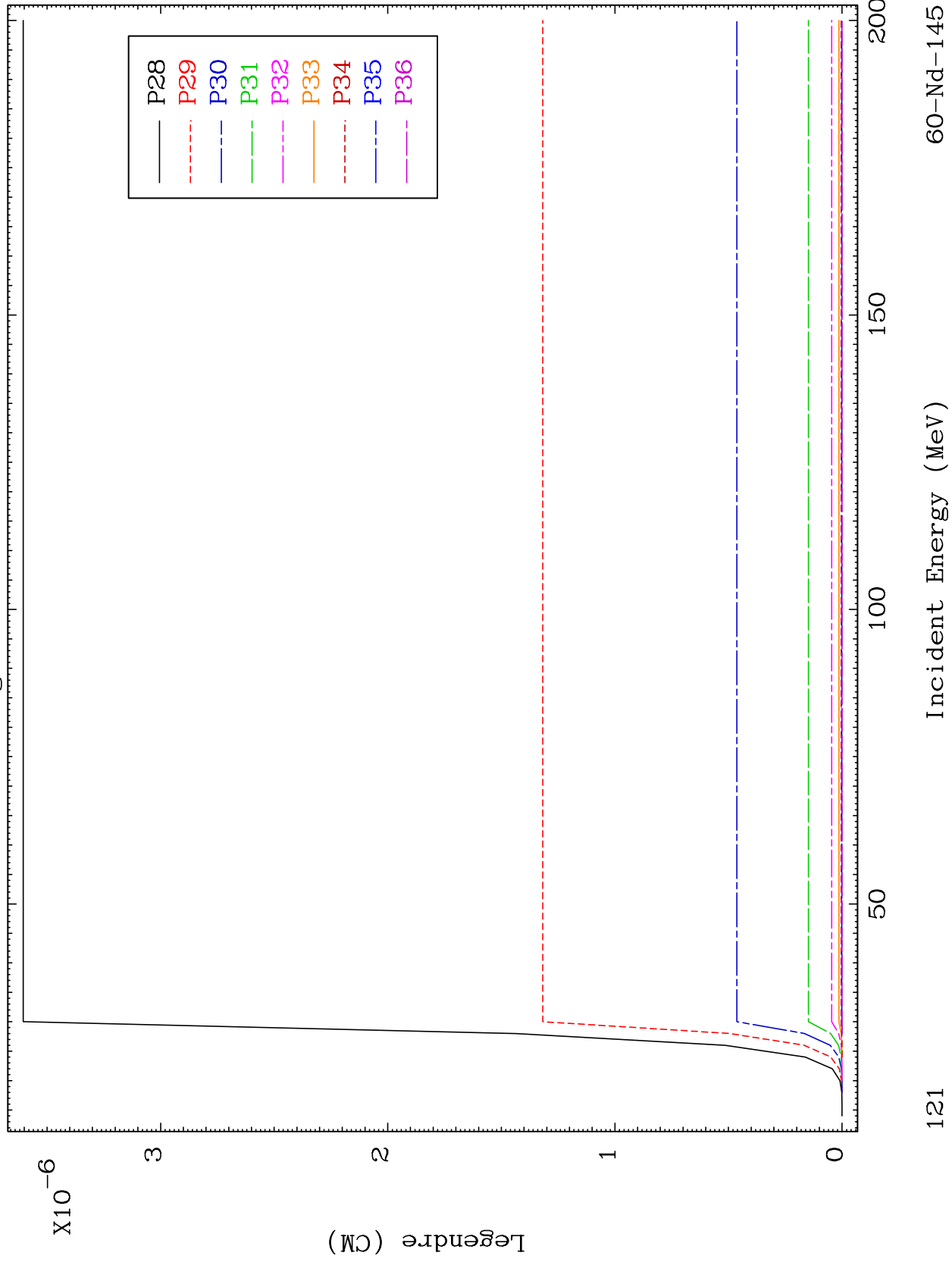
60-Nd-145



MAT 6034

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

60-Nd-145



121

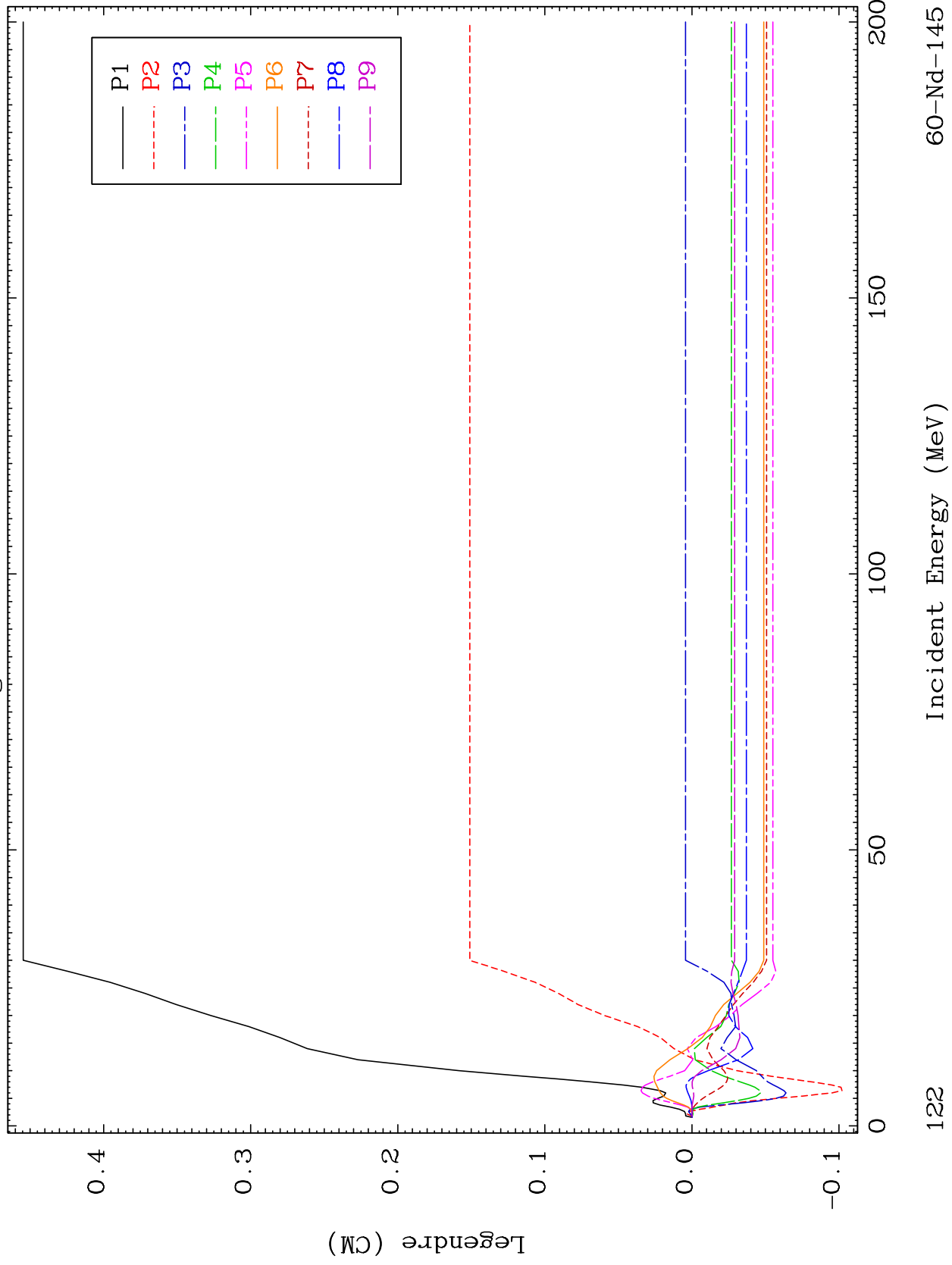
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



60-Nd-145

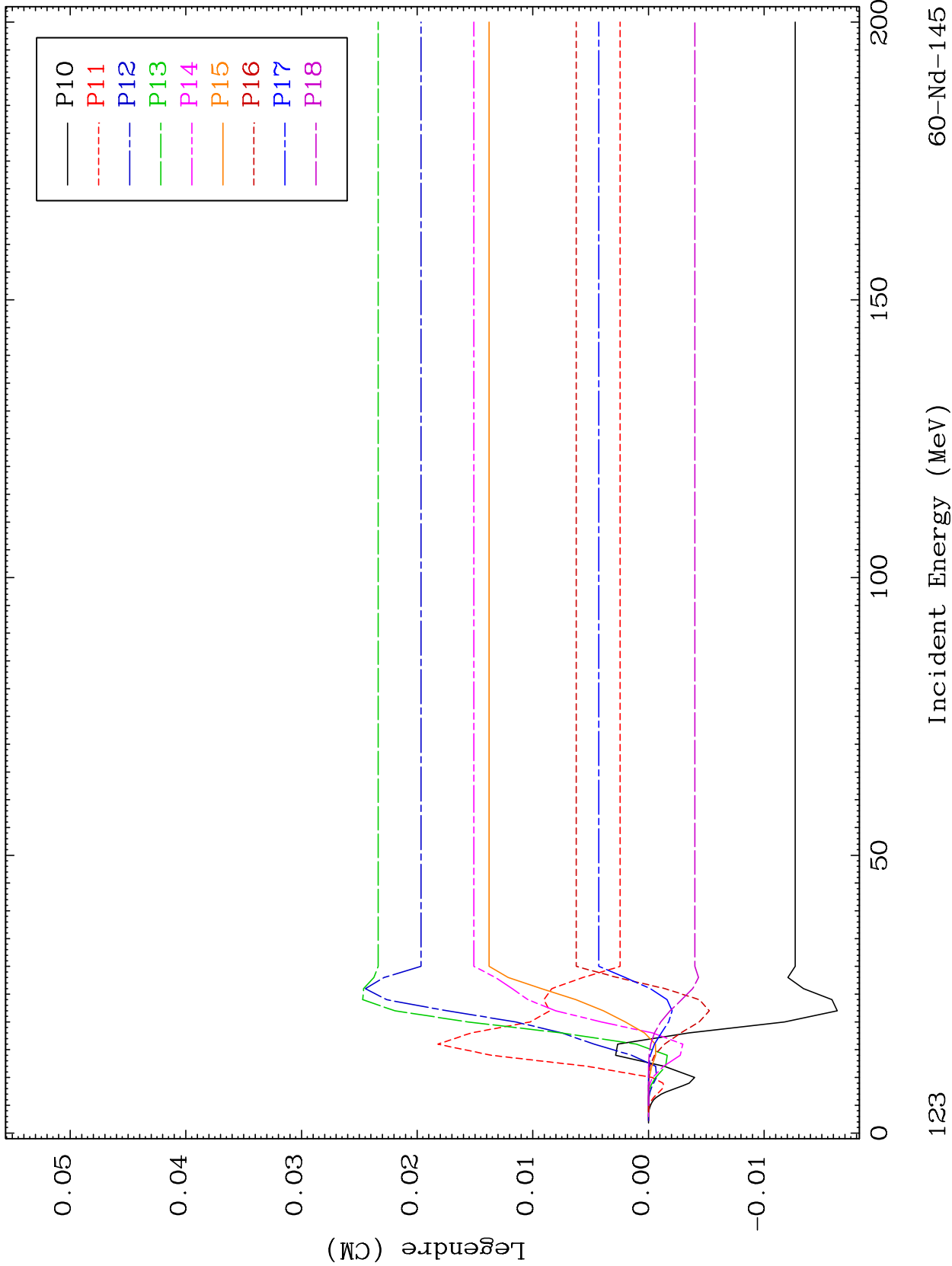
Incident Energy (MeV)

122

MAT 6034

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

60-Nd-145

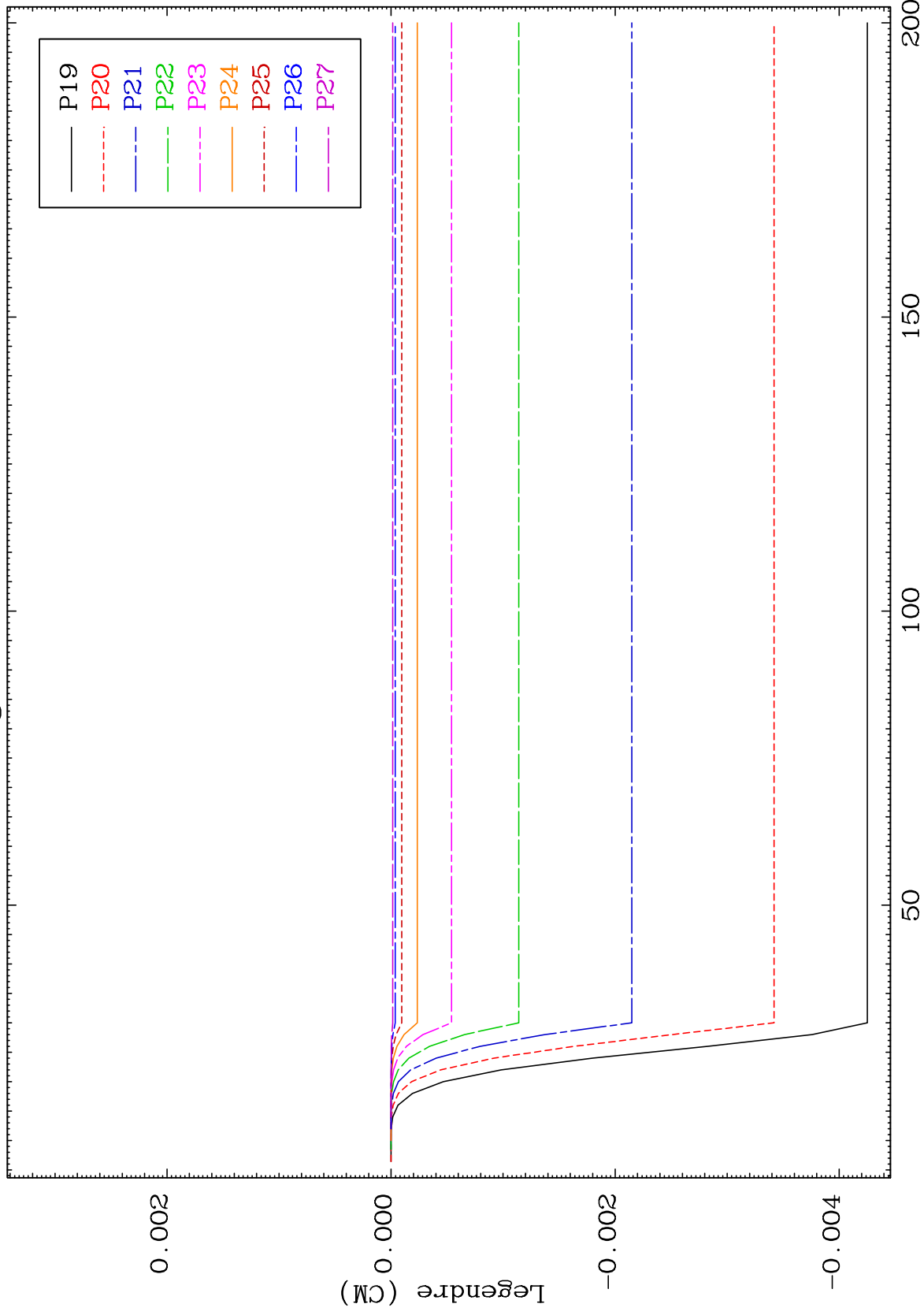


123

MAT 6034

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

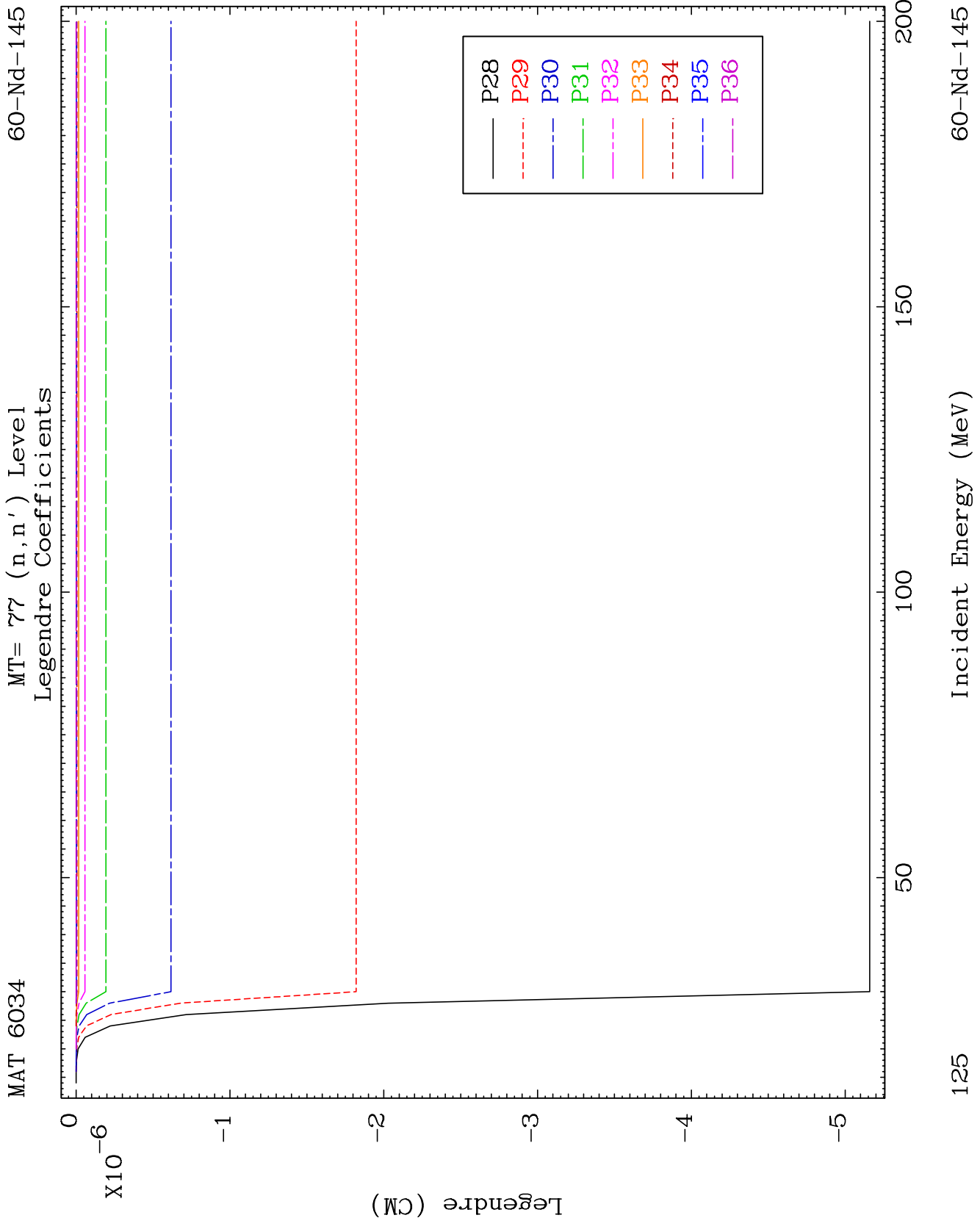
60-Nd-145



124

Incident Energy (MeV)

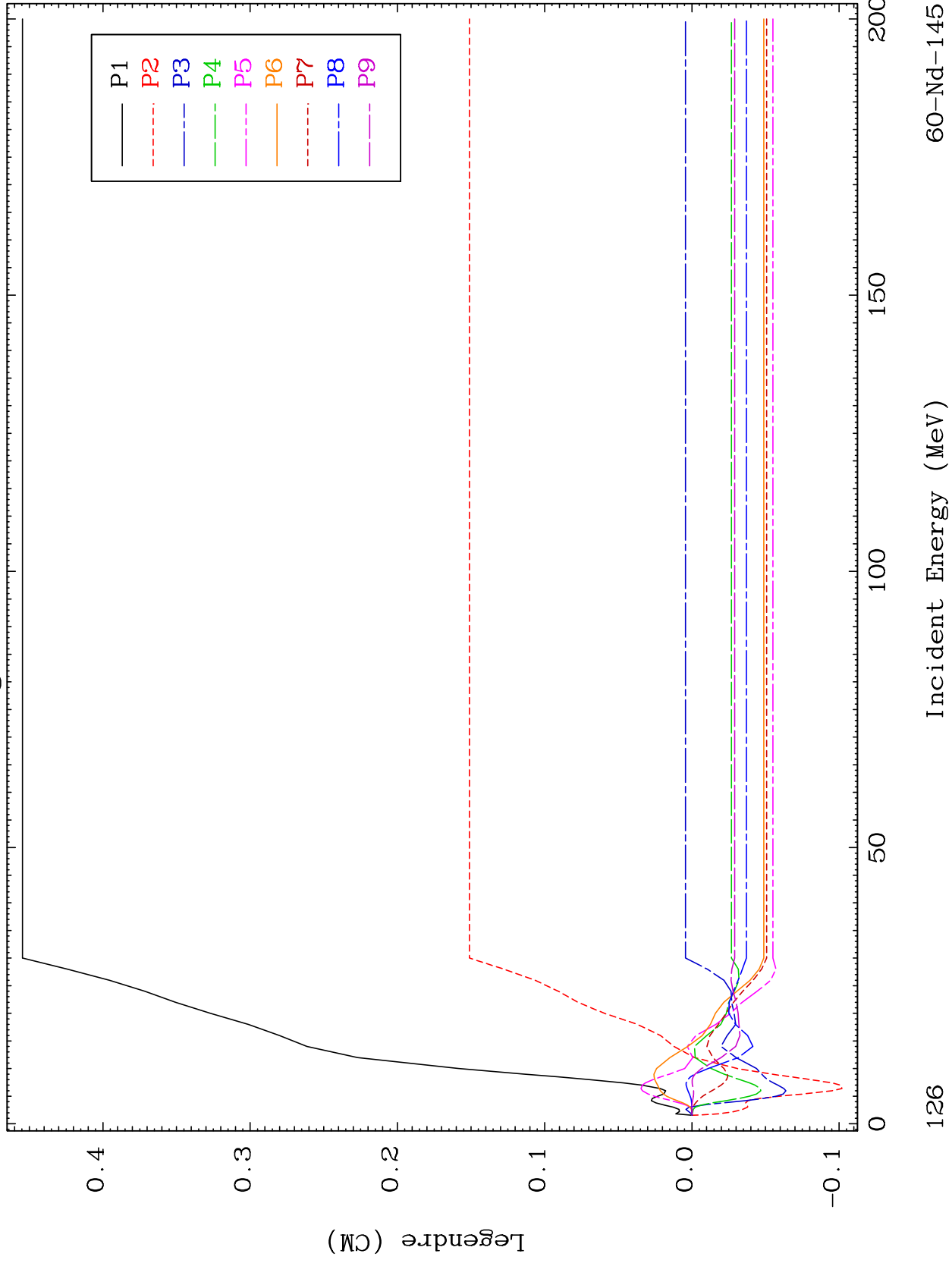
60-Nd-145



MAT 6034

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

60-Nd-145



60-Nd-145

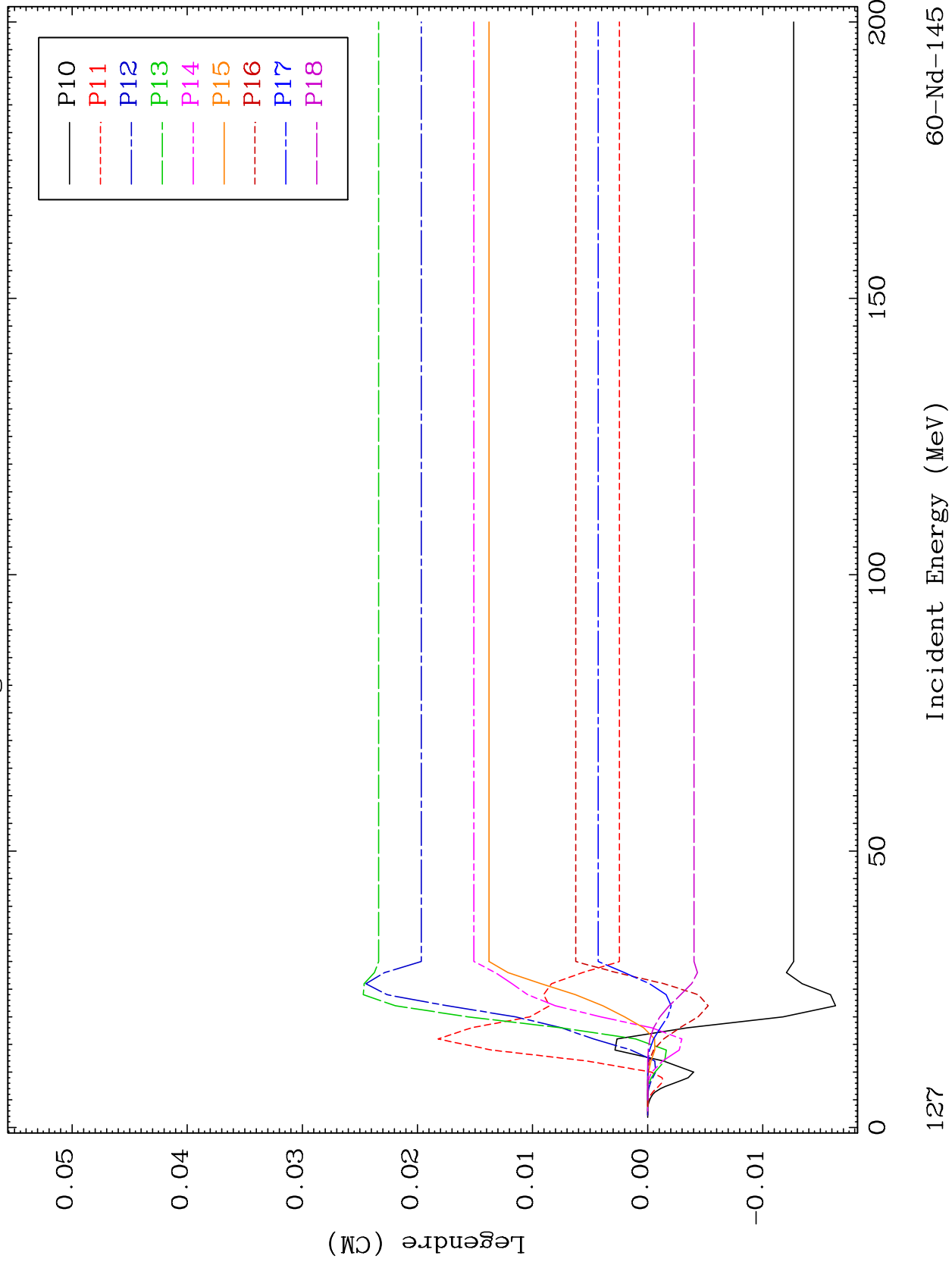
Incident Energy (MeV)

126

MAT 6034

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

60-Nd-145



127

Incident Energy (MeV)

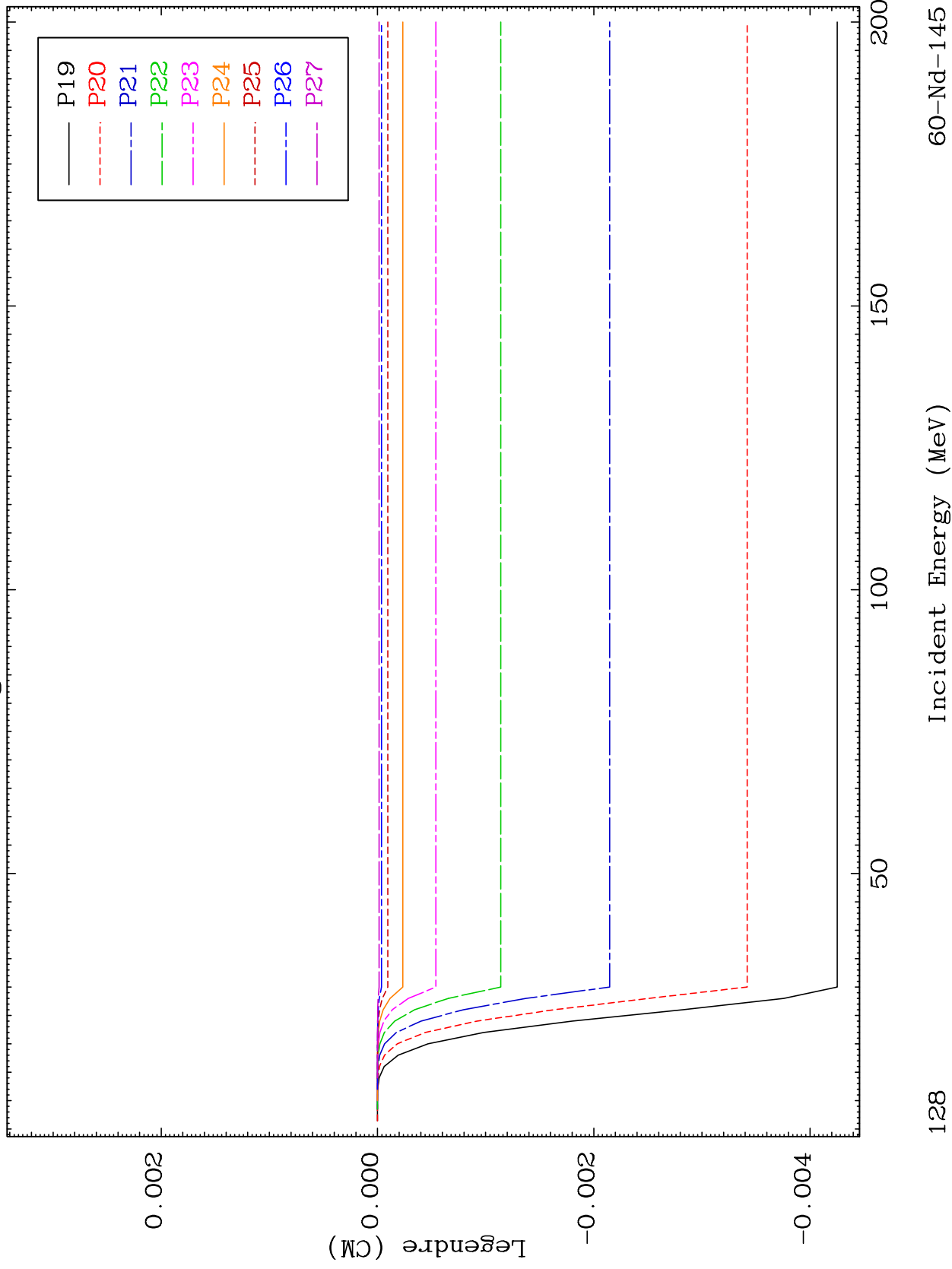
60-Nd-145



MAT 6034

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

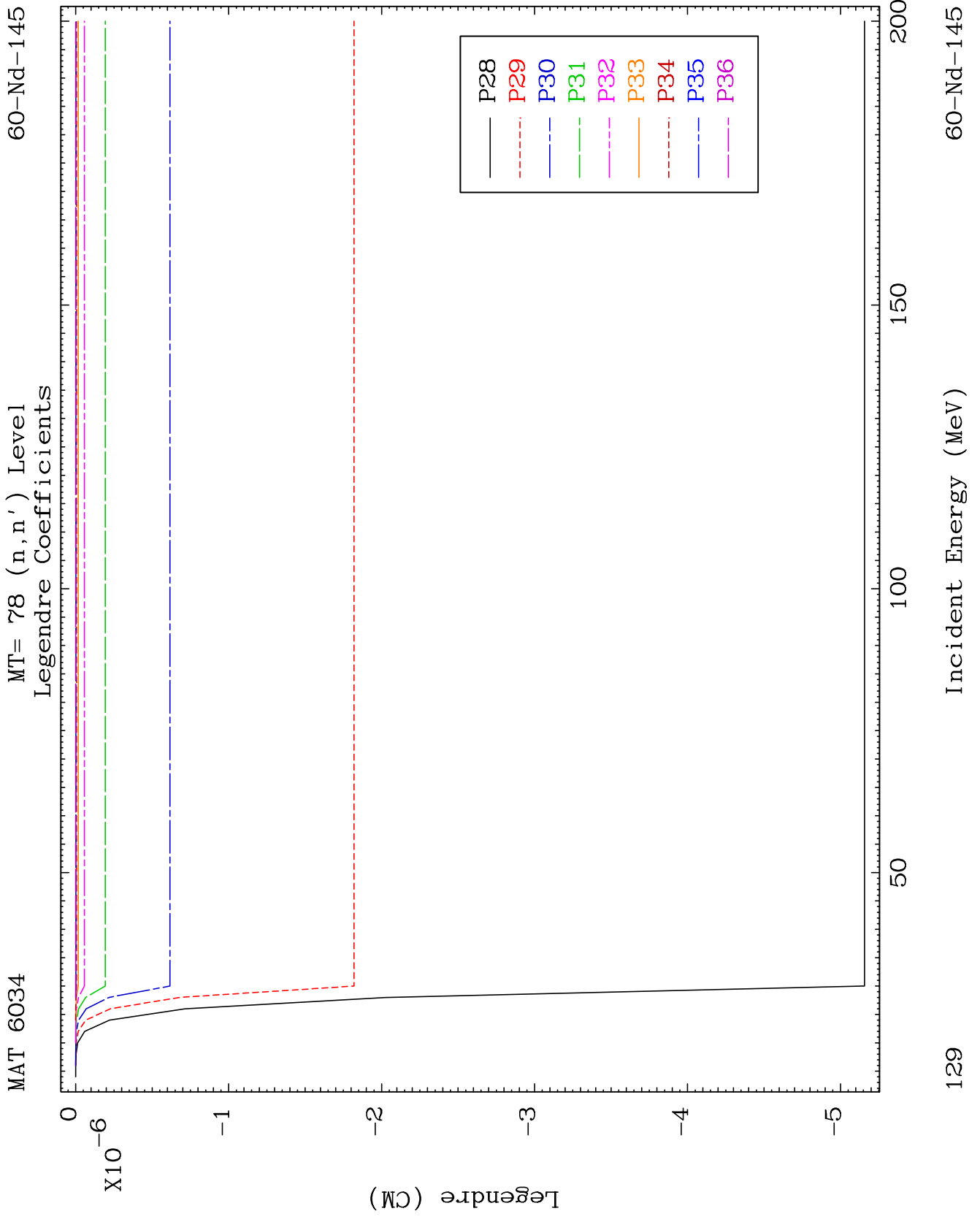
60-Nd-145

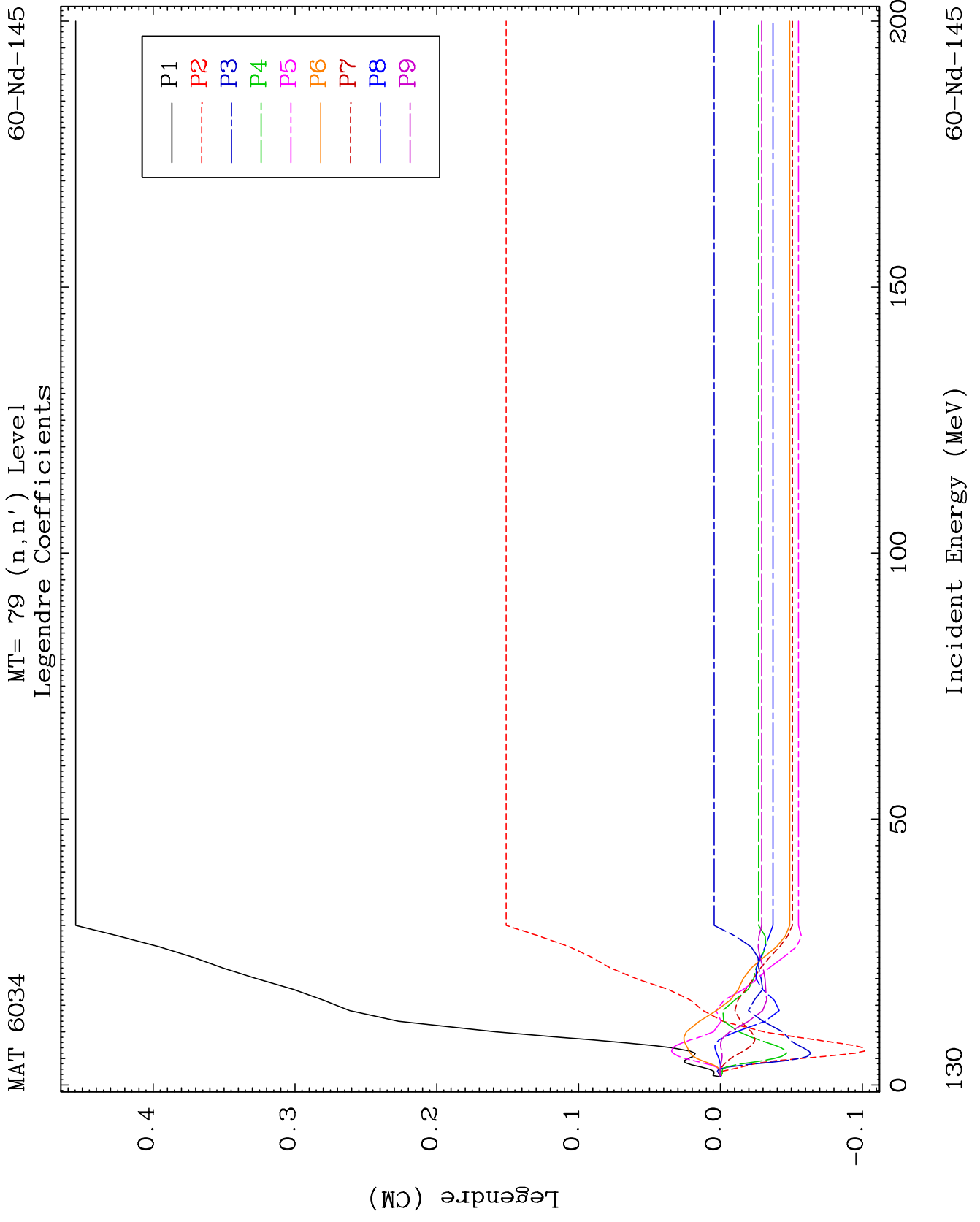


128

Incident Energy (MeV)

60-Nd-145

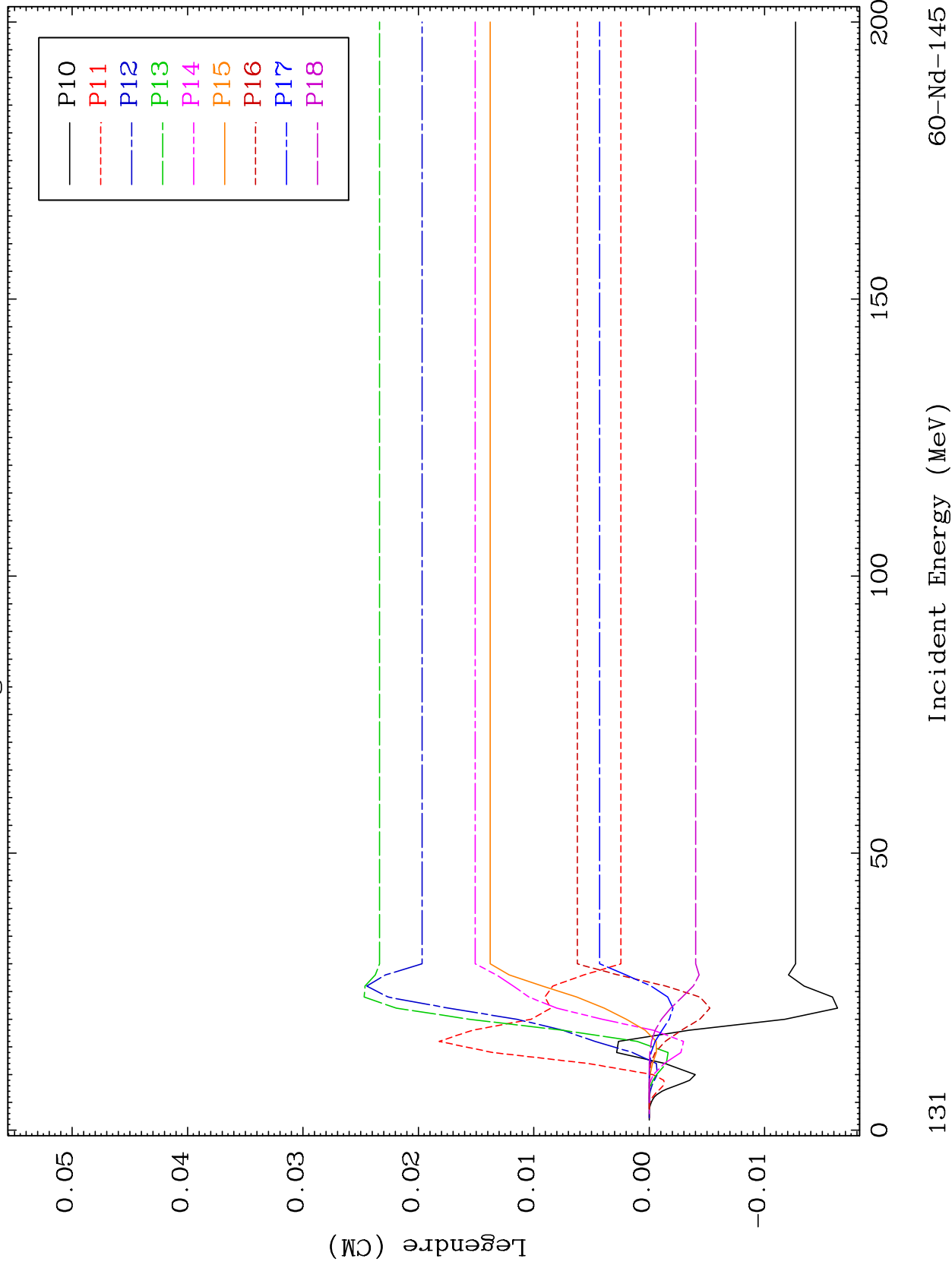




MAT 6034

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

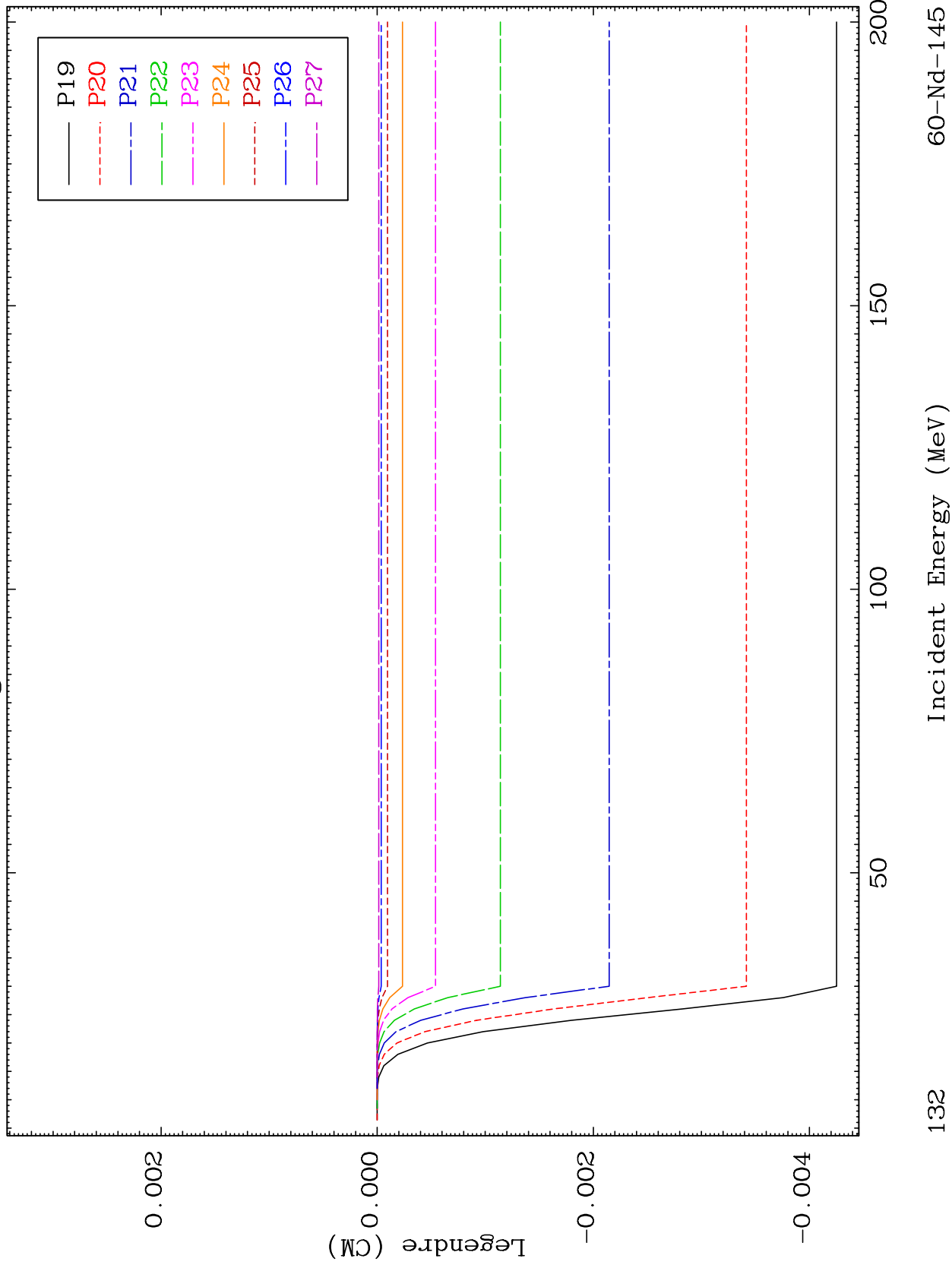
60-Nd-145



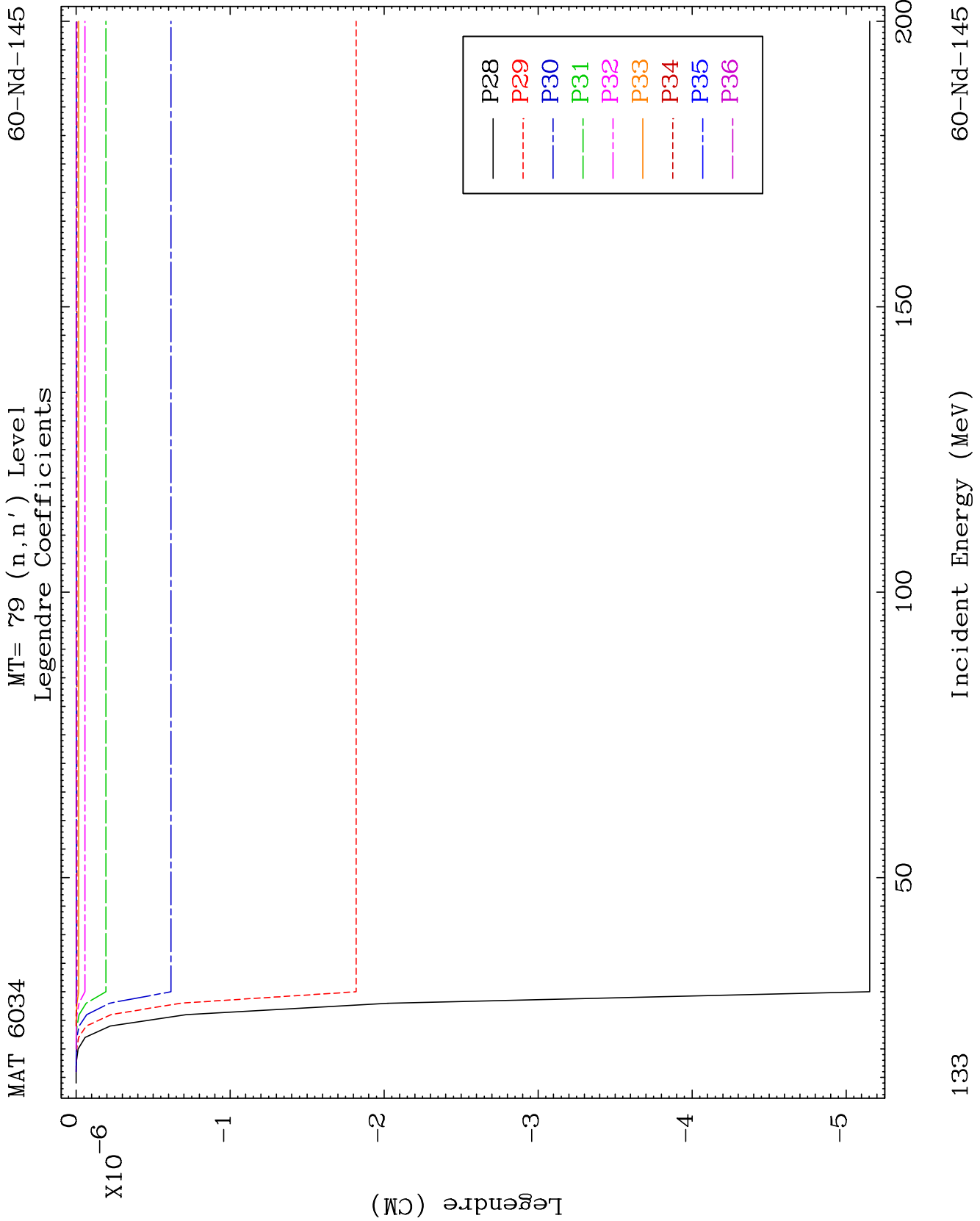
MAT 6034

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

60-Nd-145



132

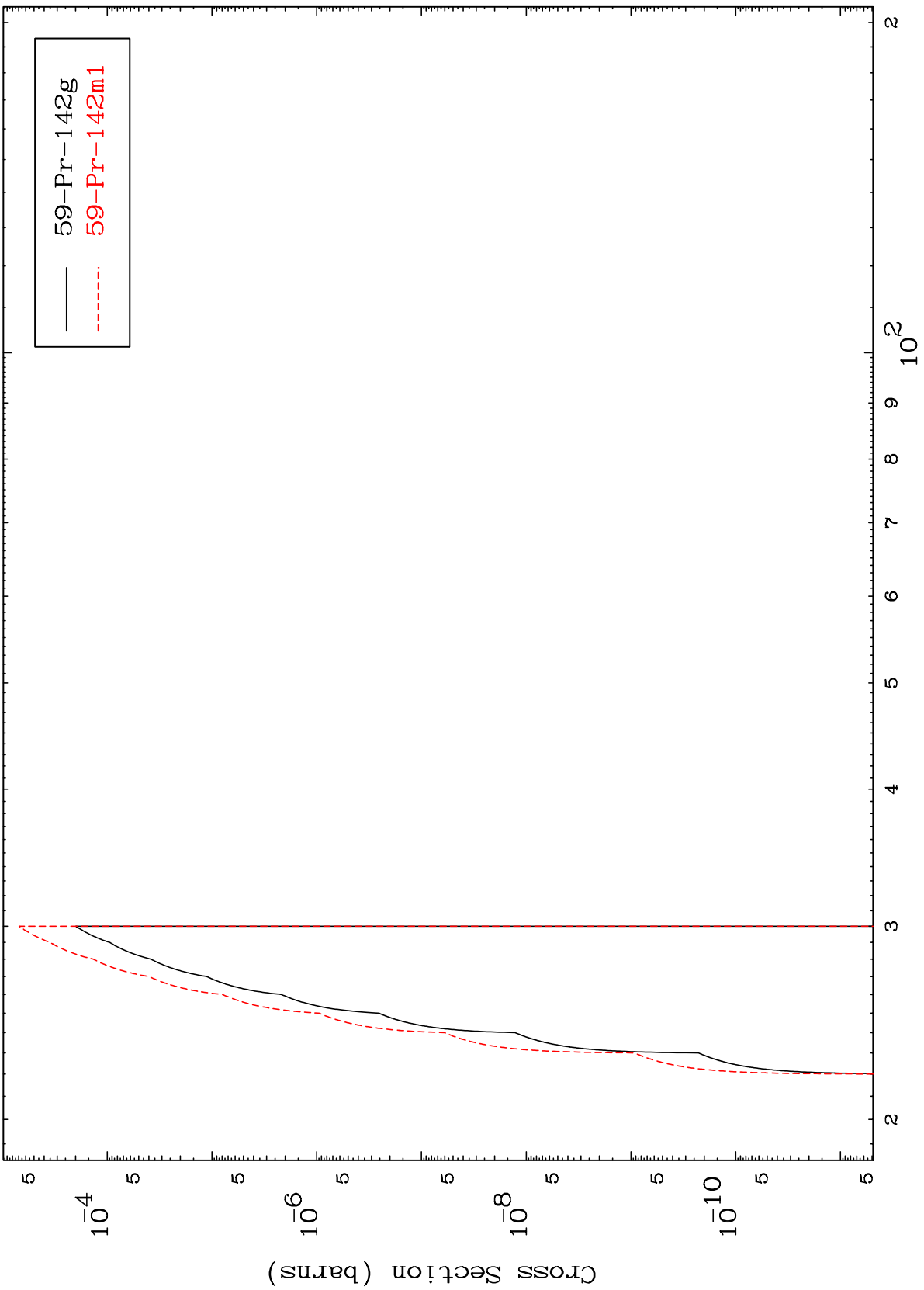


MAT 6034

(n,2n) d

60-Nd-145

Radionuclide Production Cross Section



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

134

Incident Energy (MeV)

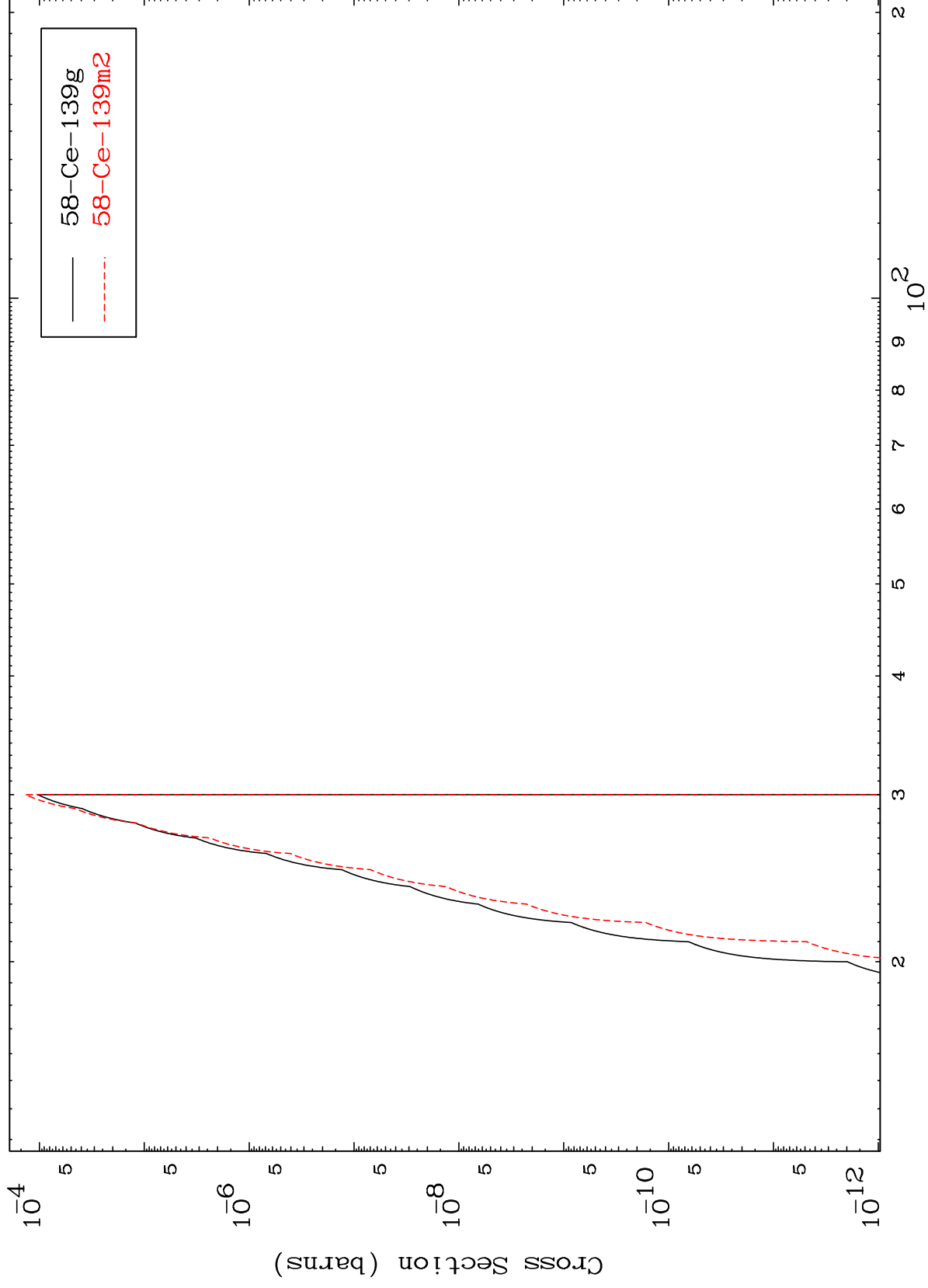
60-Nd-145

MAT 6034

(n,3n)  $\alpha$

60-Nd-145

Radionuclide Production Cross Section



135

Incident Energy (MeV)

60-Nd-145

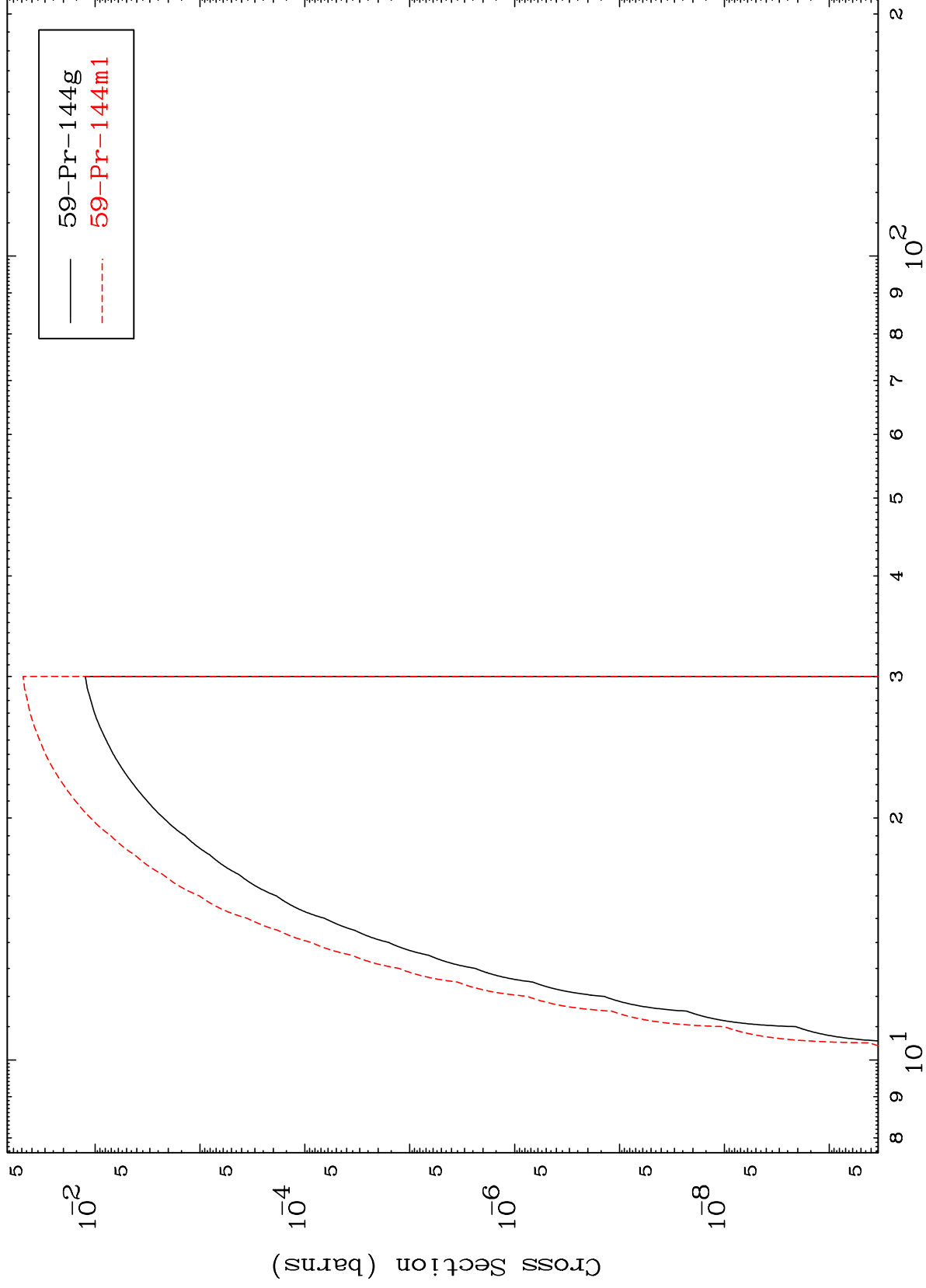


MAT 6034

(n,n') p

60-Nd-145

Radionuclide Production Cross Section



136

Incident Energy (MeV)

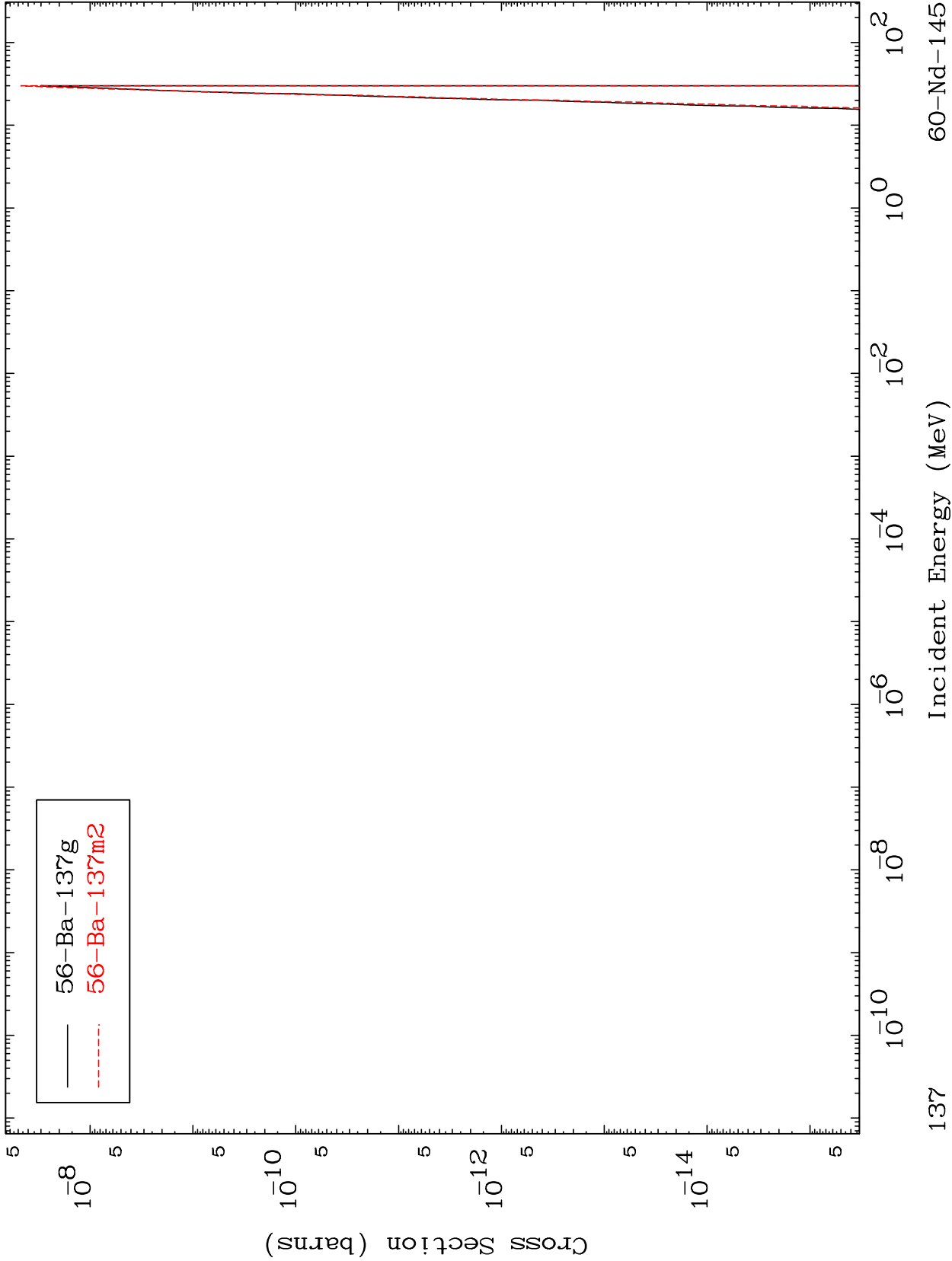
60-Nd-145

MAT 6034

(n,n') 2 $\alpha$

60-Nd-145

Radionuclide Production Cross Section



137

Incident Energy (MeV)

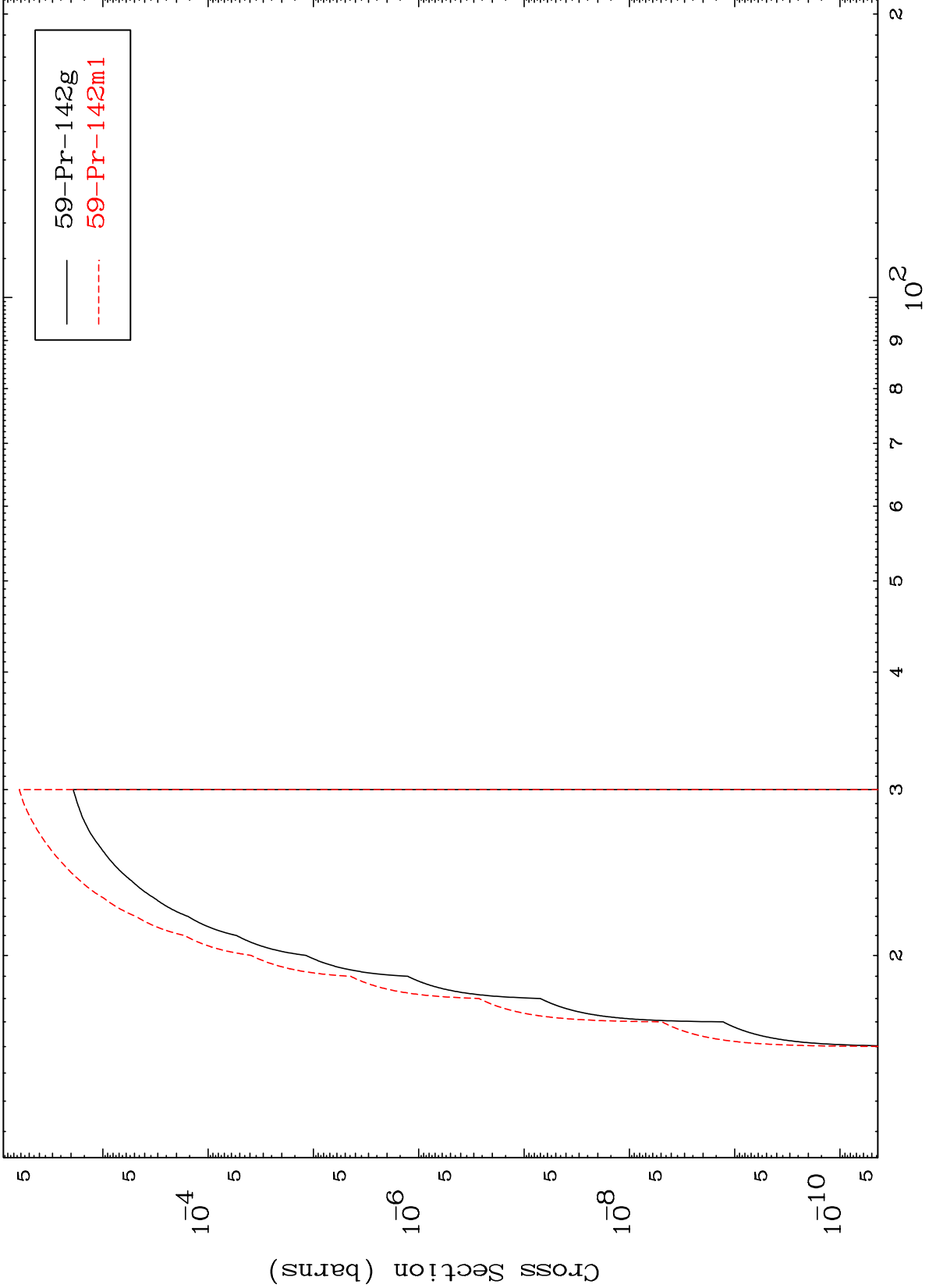
60-Nd-145

MAT 6034

(n,n') t

60-Nd-145

Radionuclide Production Cross Section



138

Incident Energy (MeV)

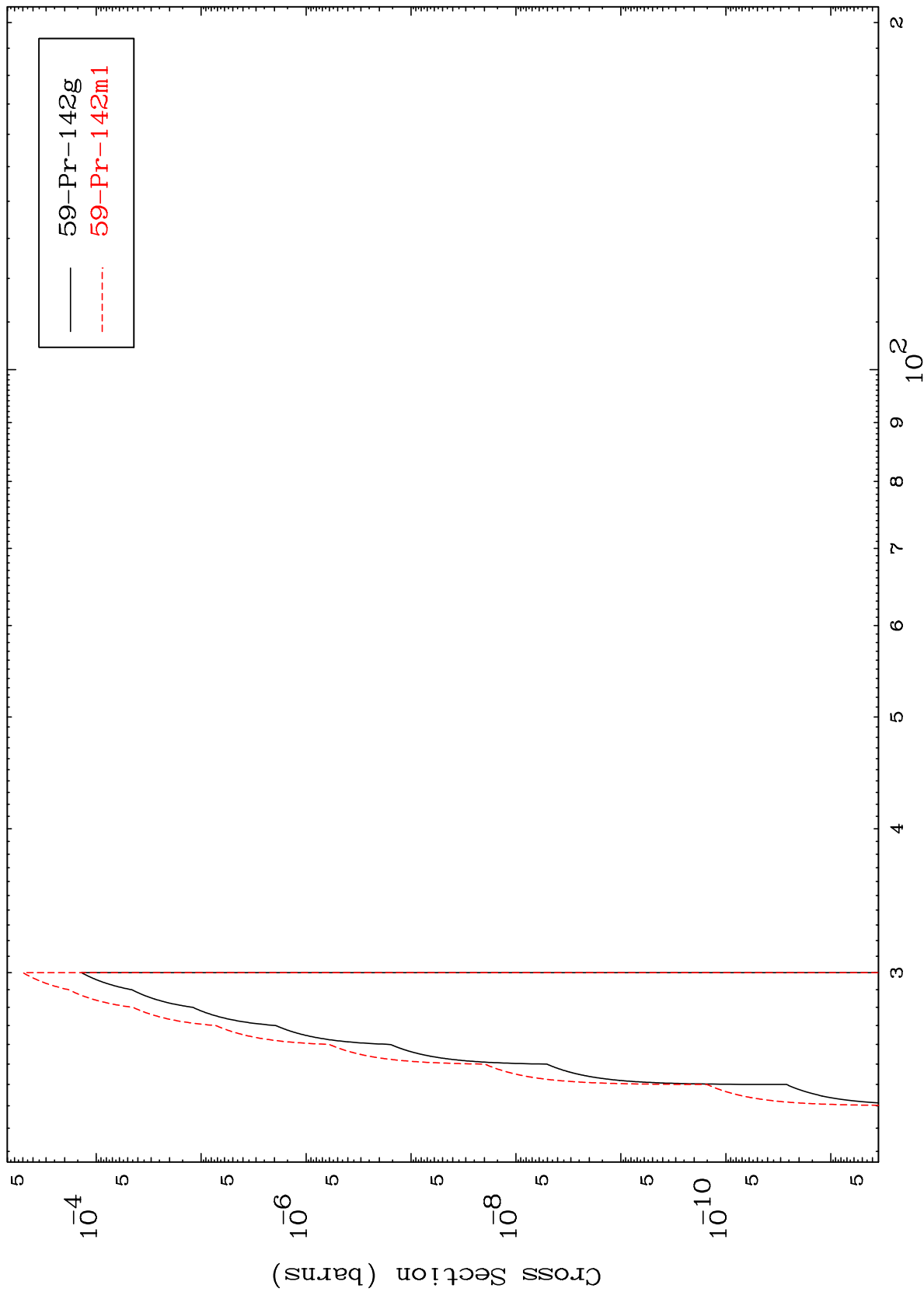
60-Nd-145

MAT 6034

(n,3n) p

60-Nd-145

Radionuclide Production Cross Section



139

Incident Energy (MeV)

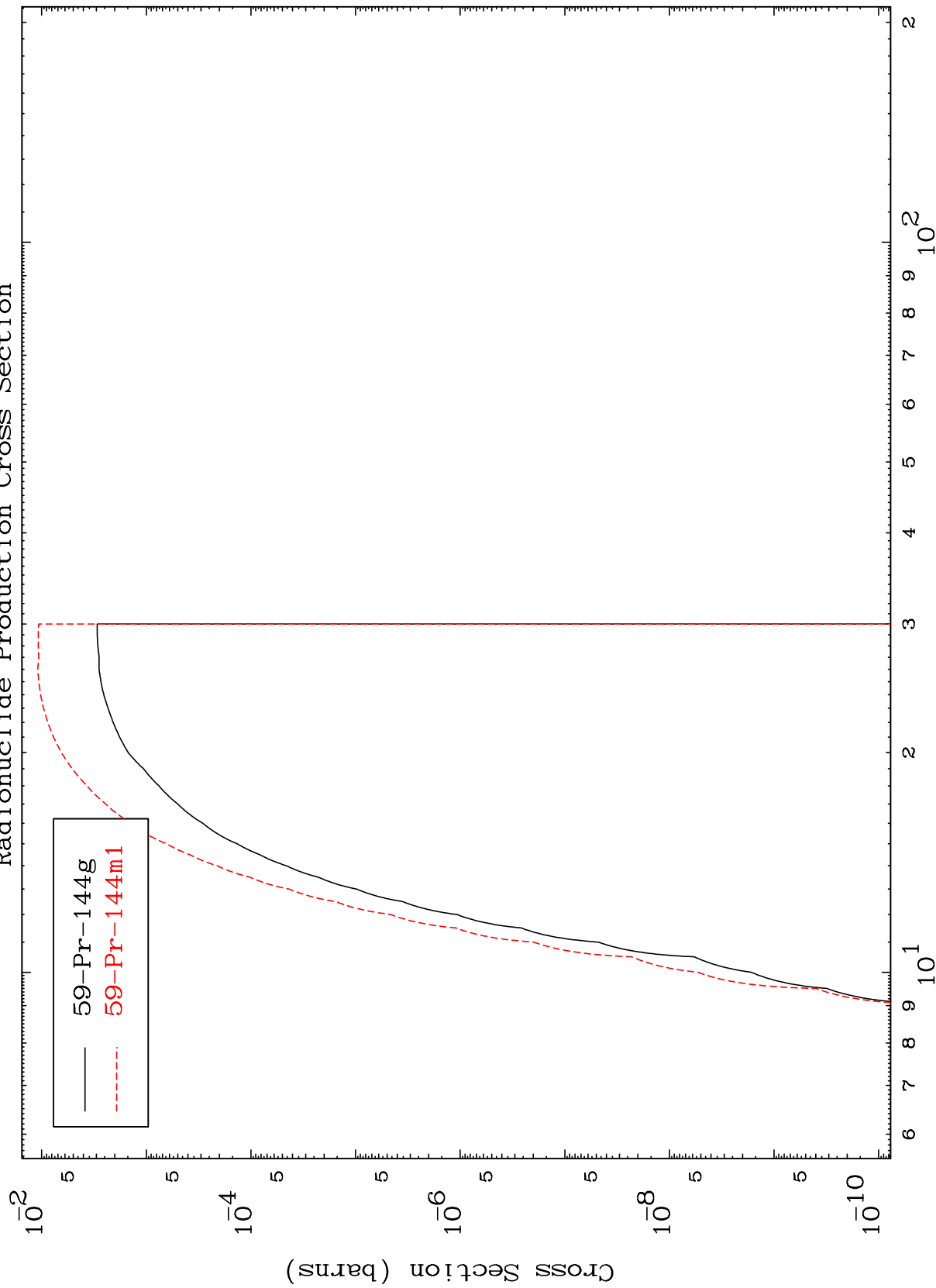
60-Nd-145

MAT 6034

(n,d)

60-Nd-145

Radionuclide Production Cross Section



59-Pr-144g  
59-Pr-144m1

140

Incident Energy (MeV)

60-Nd-145