

Program EVALPLOT  
(Version 2015-2)

by

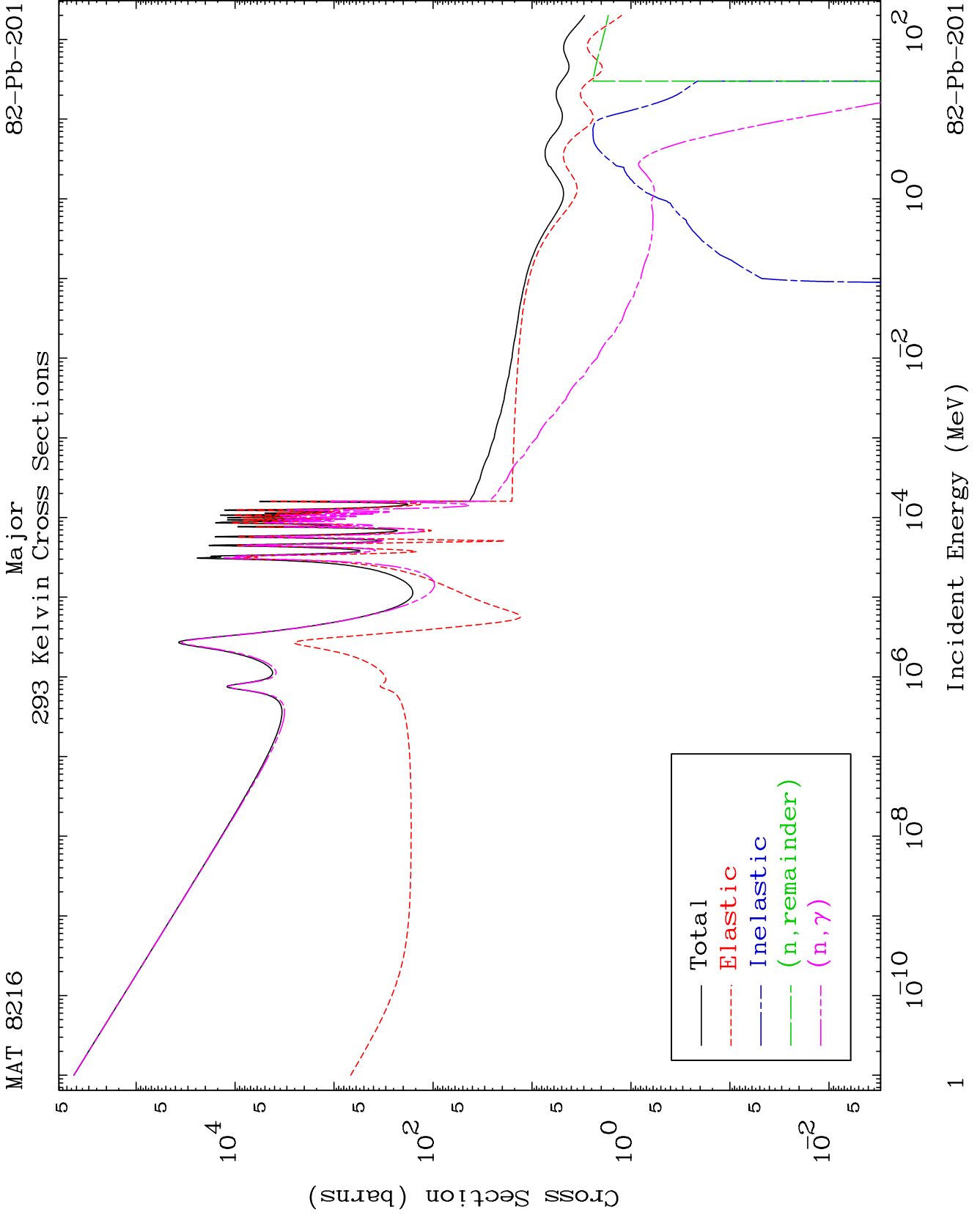
Dermott E. Cullen  
(Present Contact Information)

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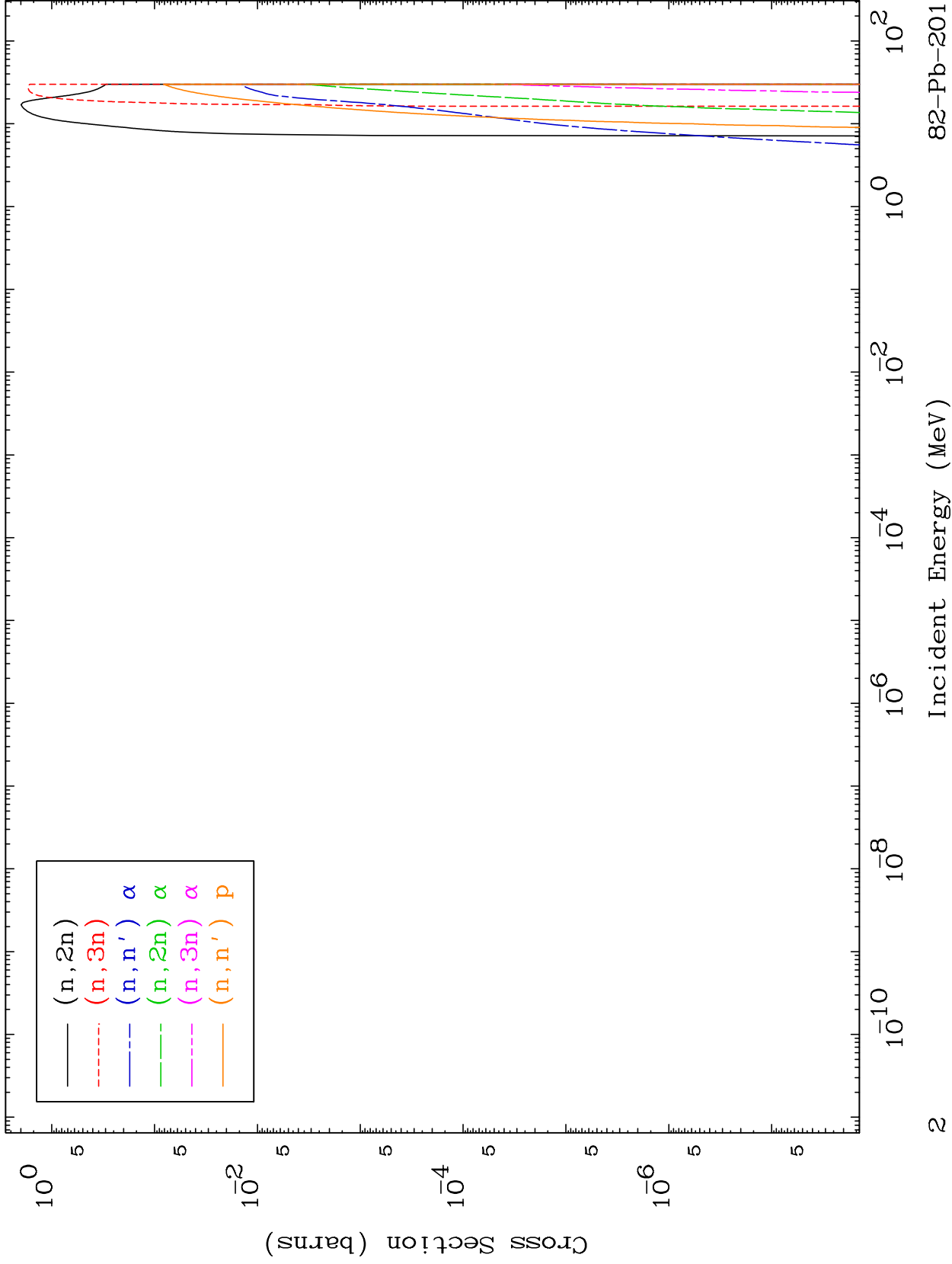
Press Mouse Button to Start



MAT 8216

Neutron Production  
293 Kelvin Cross Sections

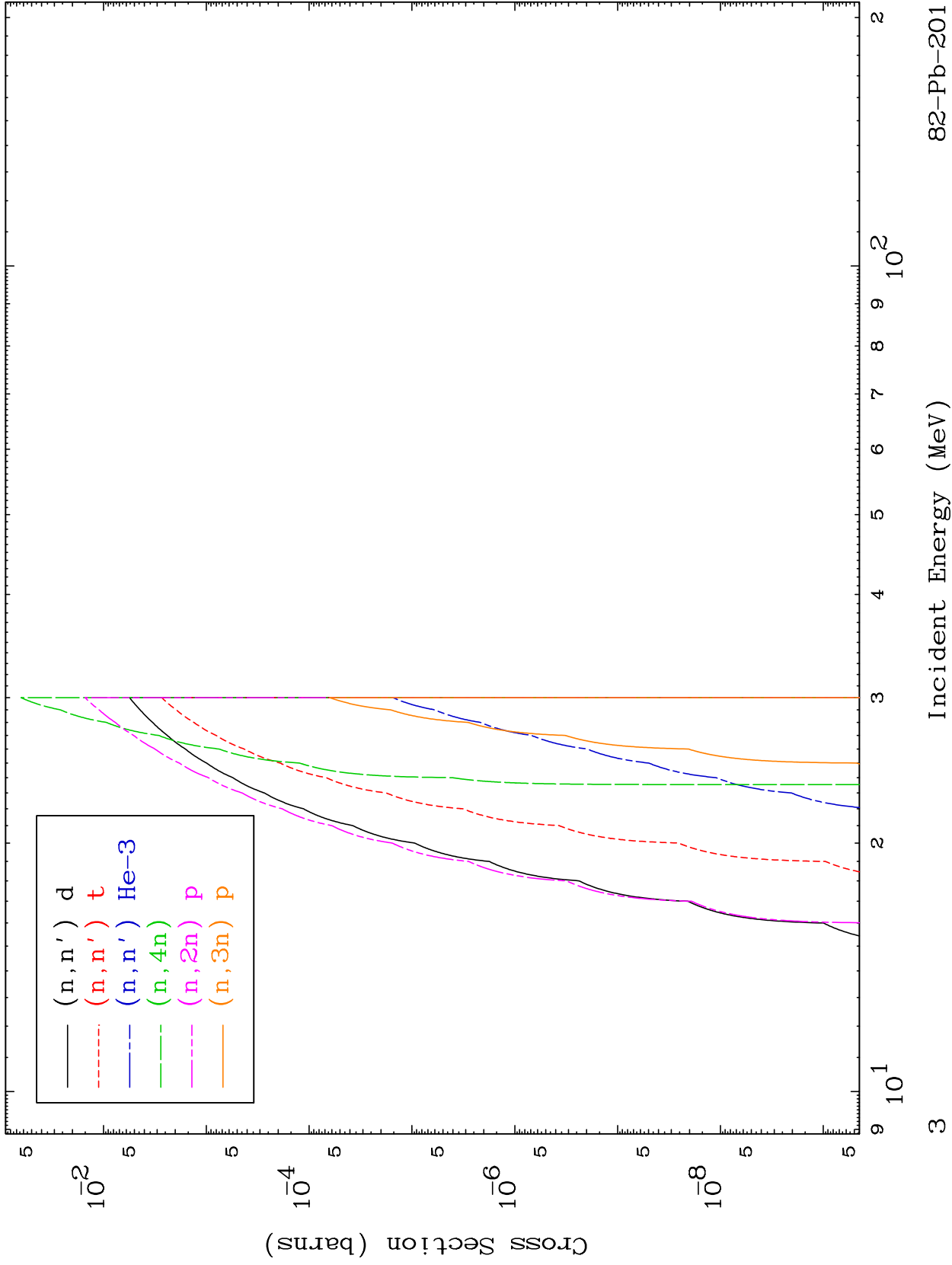
82-Pb-201



MAT 8216

Neutron Production  
293 Kelvin Cross Sections

82-Pb-201



82-Pb-201

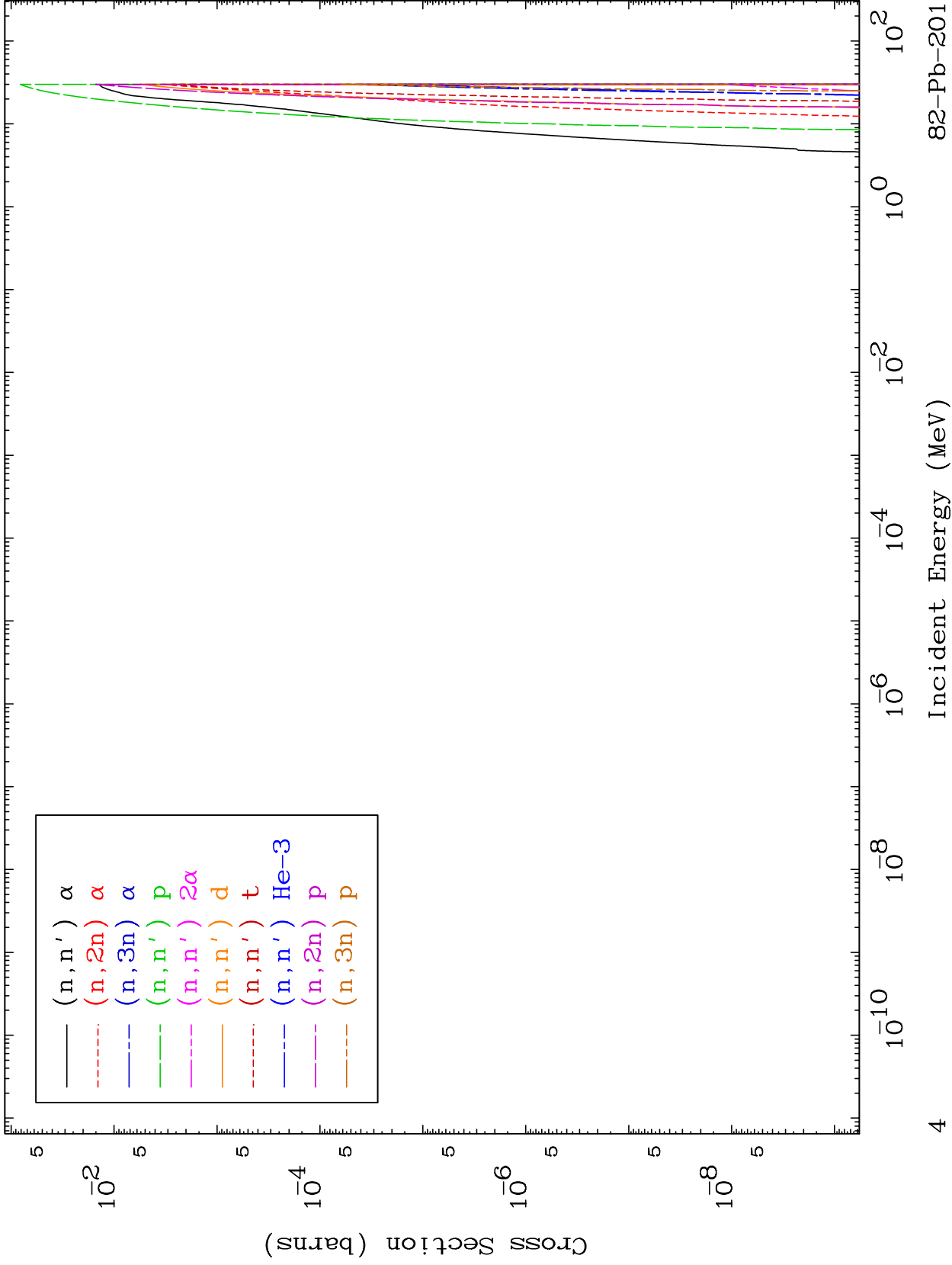
Incident Energy (MeV)

3

MAT 8216

Charged Particle  
293 Kelvin Cross Sections

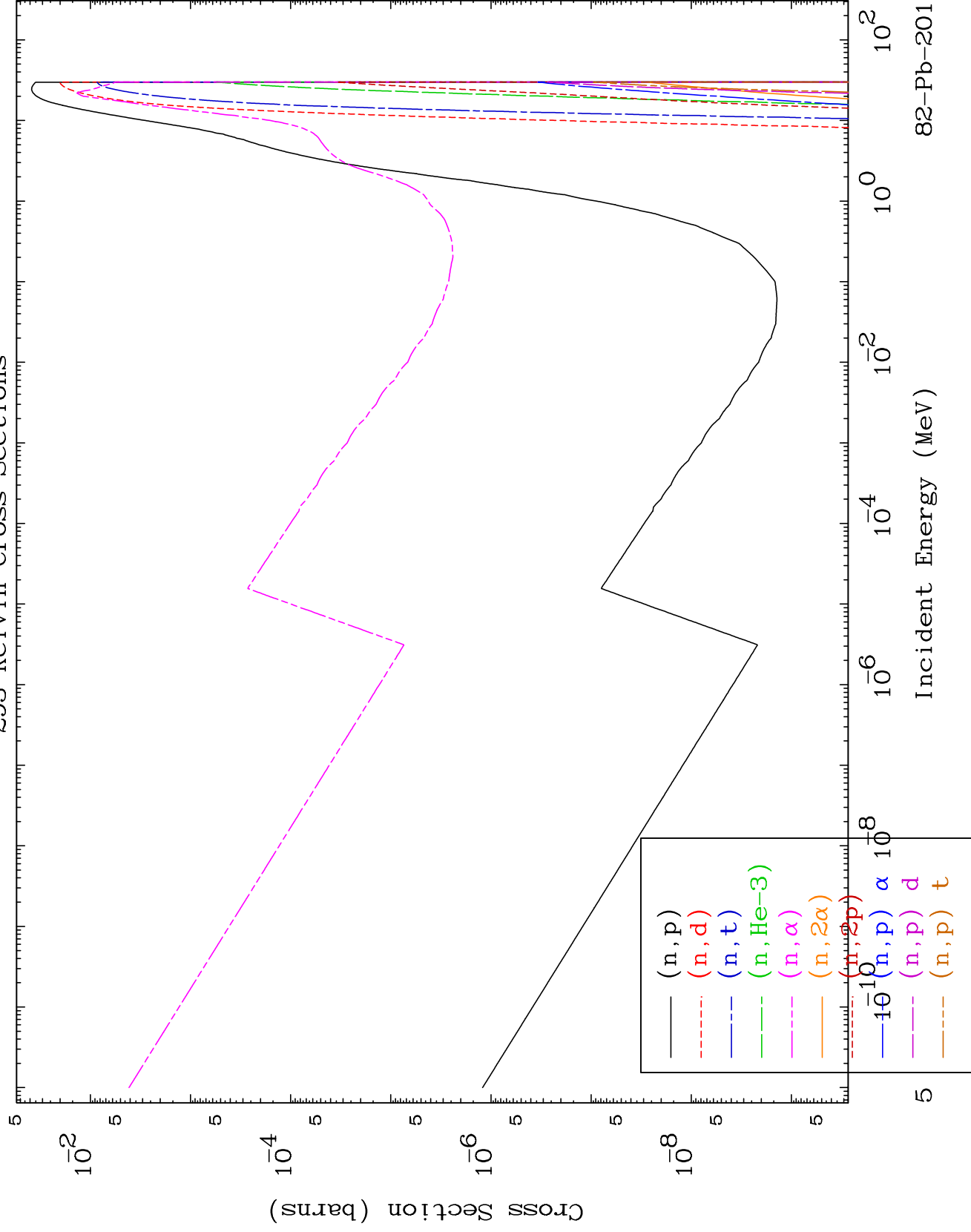
82-Pb-201



MAT 8216

Charged Particle  
293 Kelvin Cross Sections

82-Pb-201



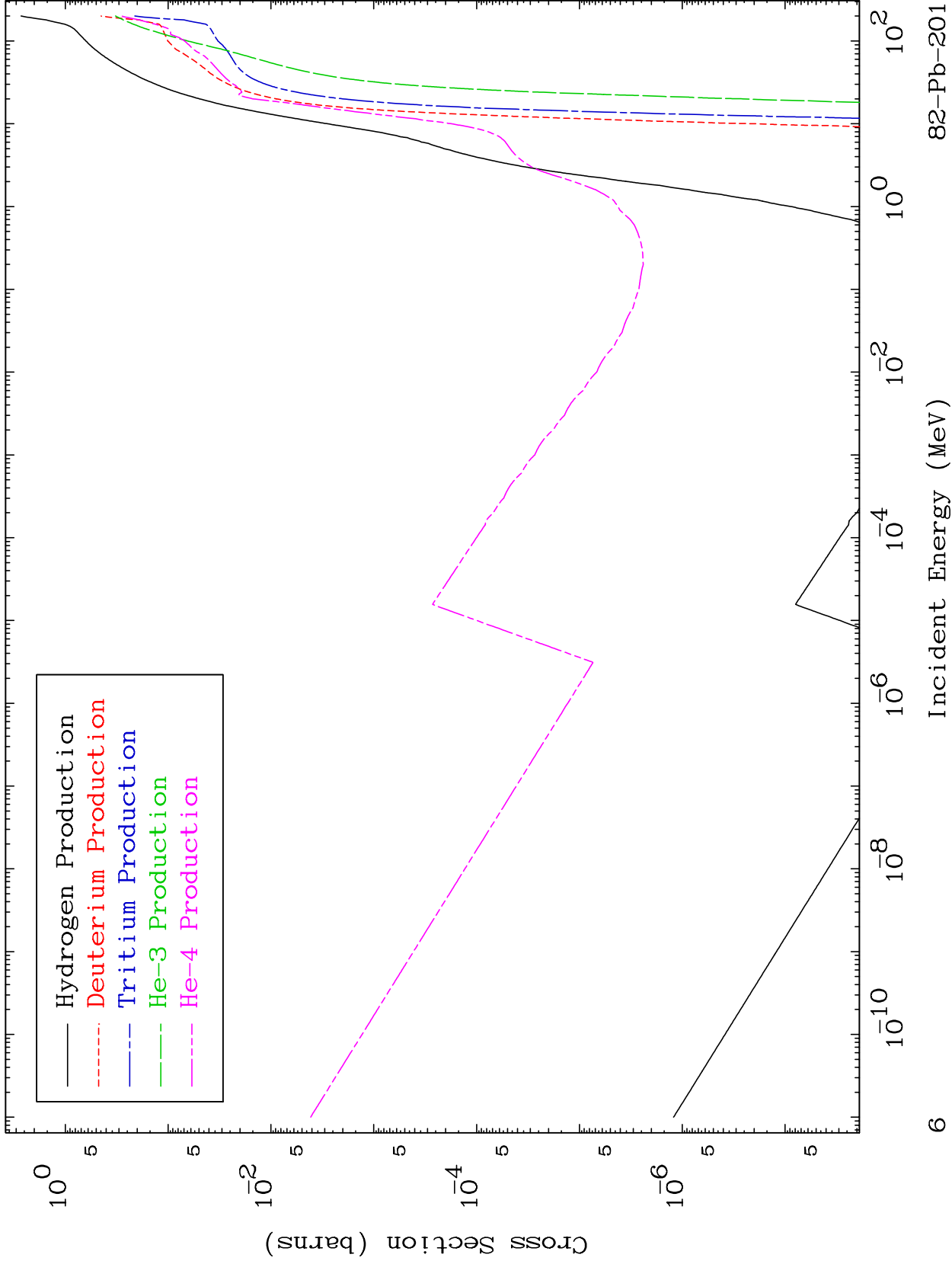
82-Pb-201

Incident Energy (MeV)

MAT 8216

Particle Production  
293 Kelvin Cross Sections

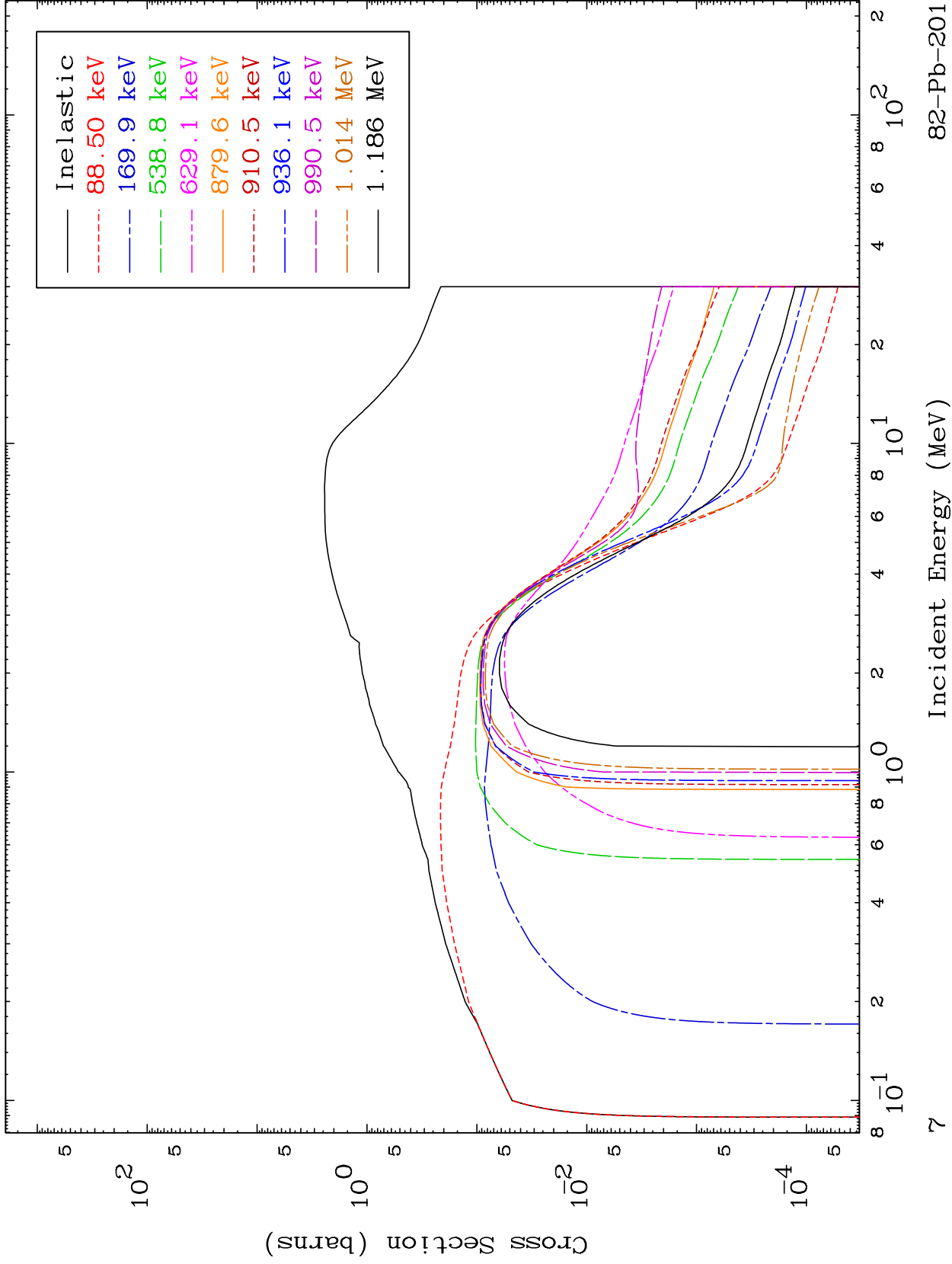
82-Pb-201



MAT 8216

(n,n') Level  
293 Kelvin Cross Sections

82-Pb-201

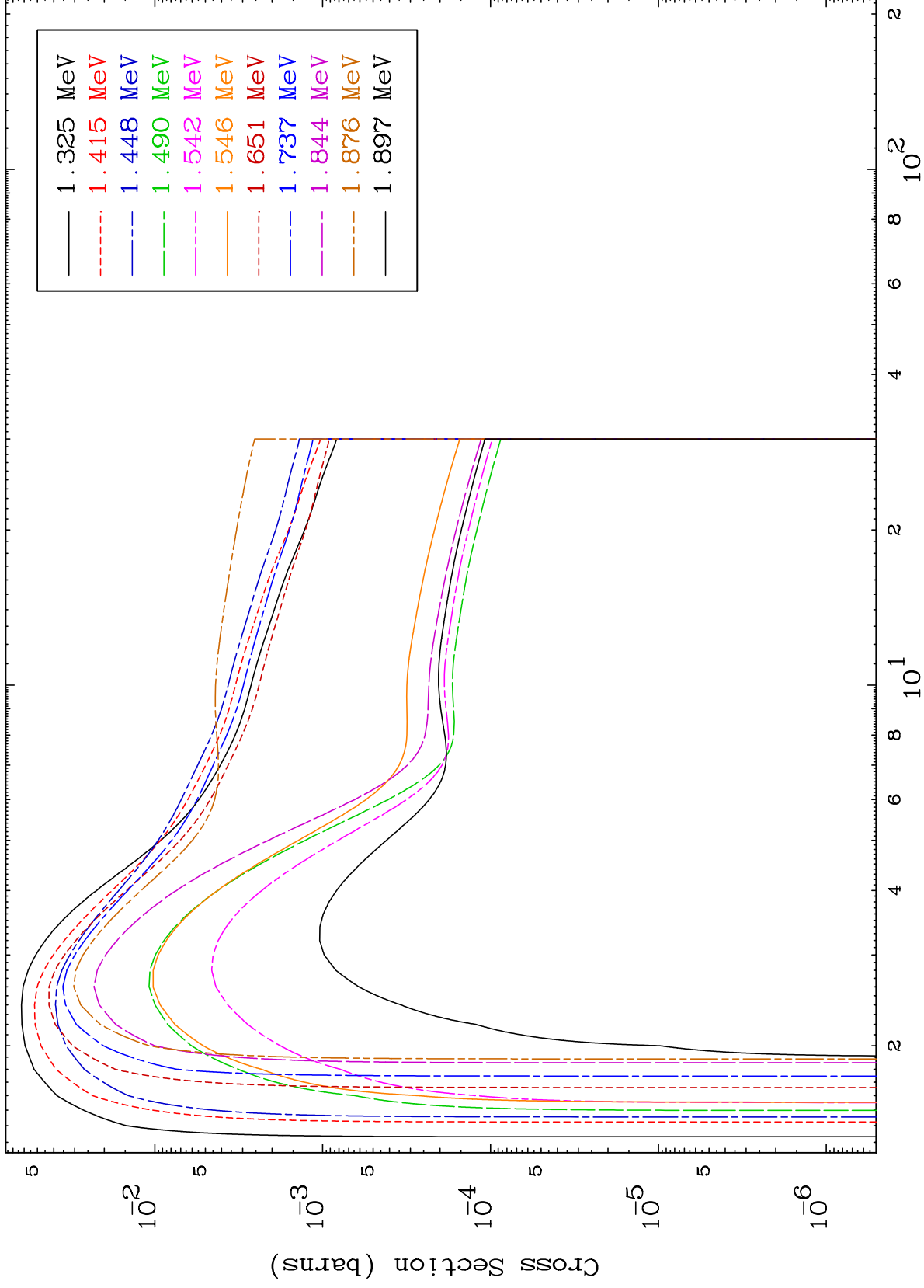




MAT 8216

(n,n') Level  
293 Kelvin Cross Sections

82-Pb-201



8

Incident Energy (MeV)

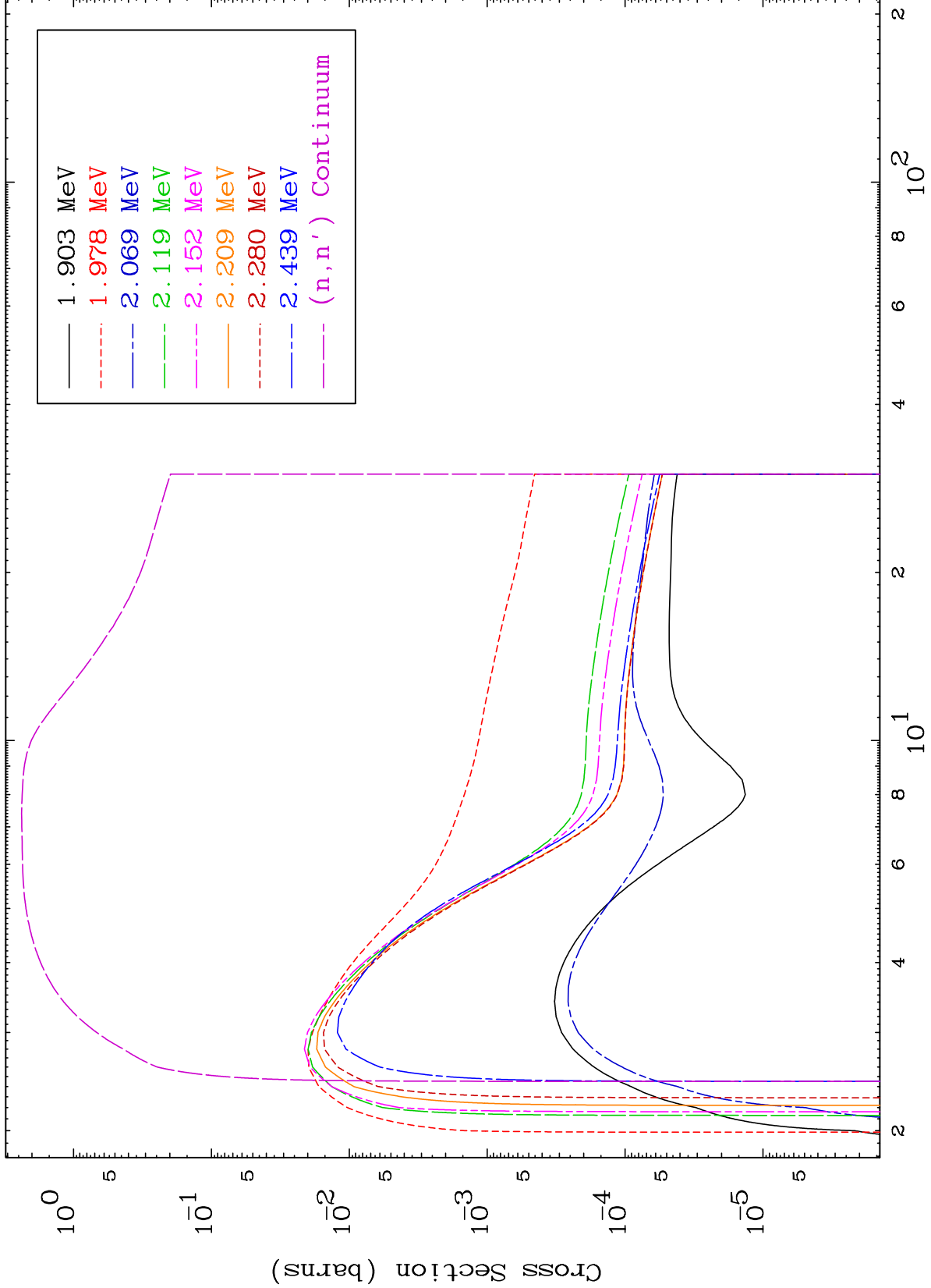
82-Pb-201

MAT 8216

(n,n') Level

82-Pb-201

293 Kelvin Cross Sections



9

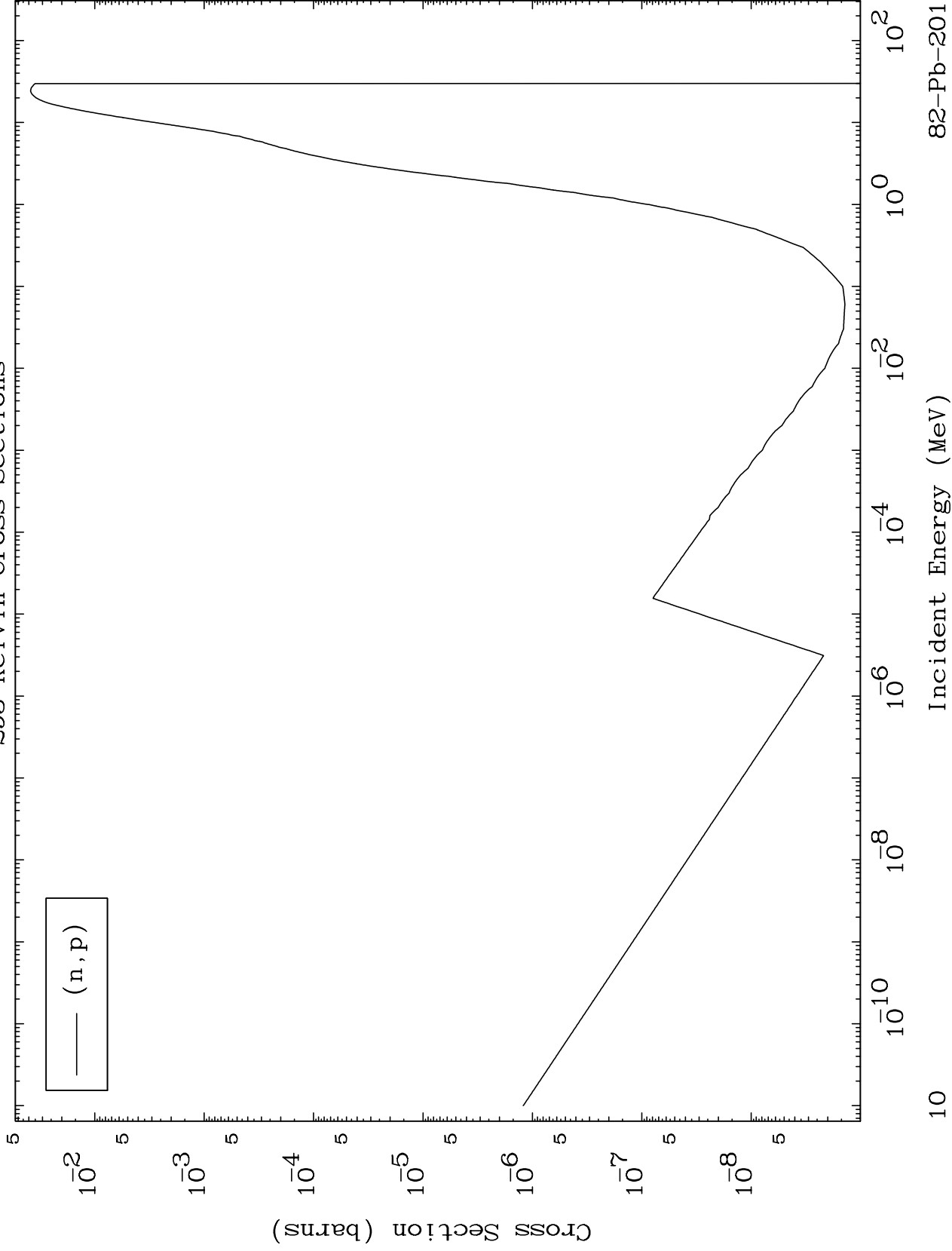
Incident Energy (MeV)

82-Pb-201

MAT 8216

(n,p) Levels  
293 Kelvin Cross Sections

82-Pb-201



10

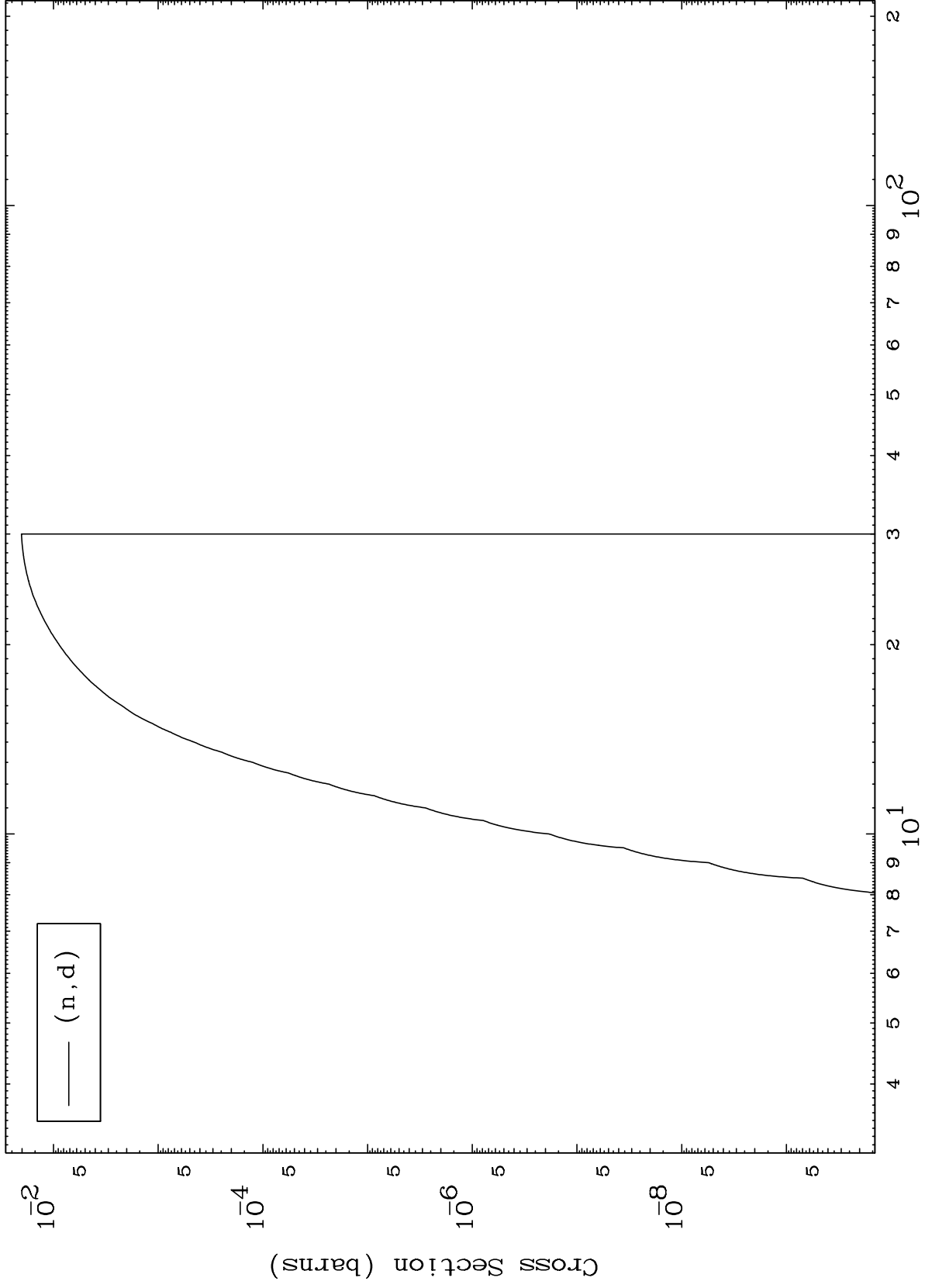
Incident Energy (MeV)

82-Pb-201

MAT 8216

(n,d) Levels  
293 Kelvin Cross Sections

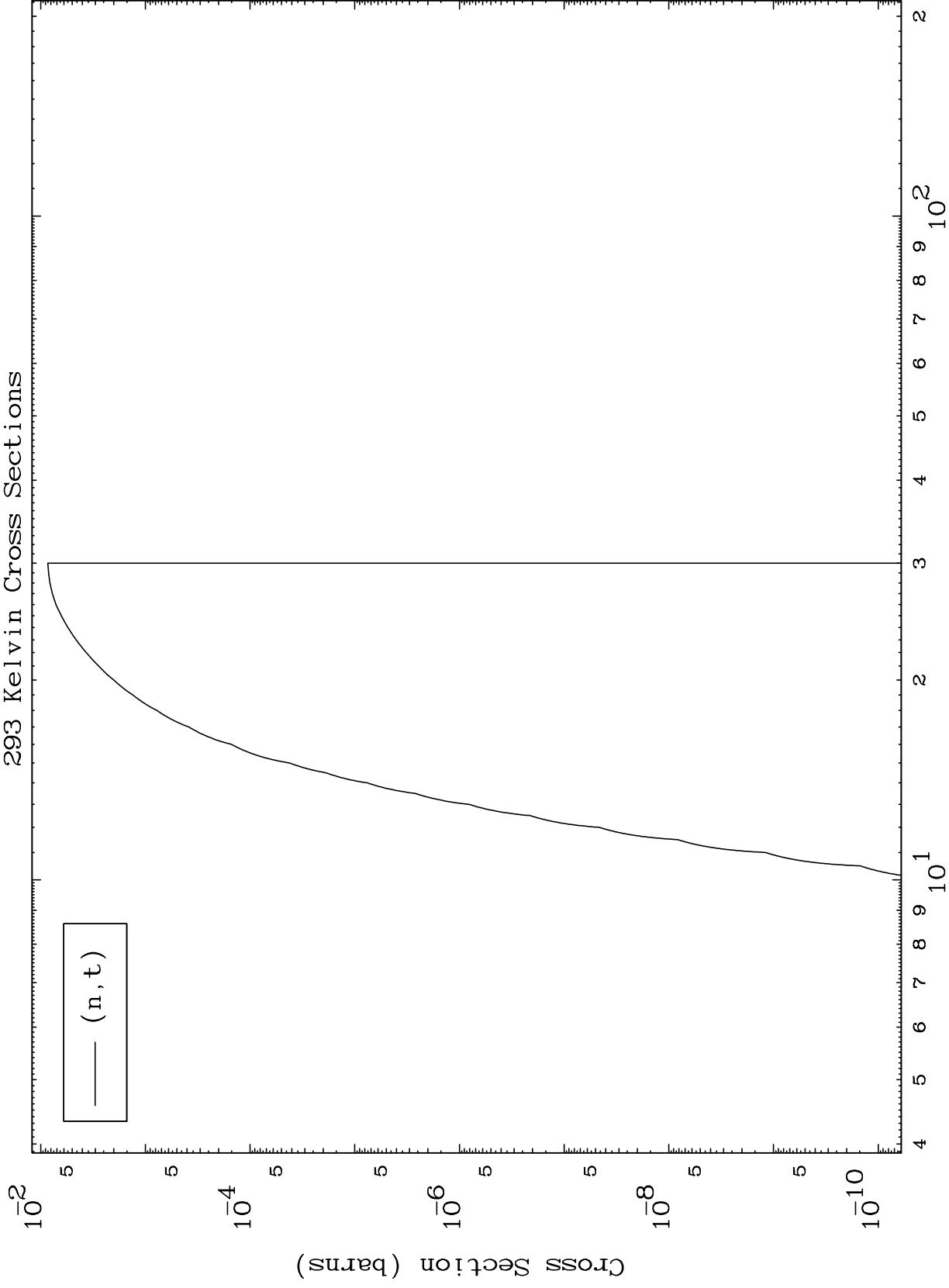
82-Pb-201



MAT 8216

(n,t) Levels  
293 Kelvin Cross Sections

82-Pb-201



12

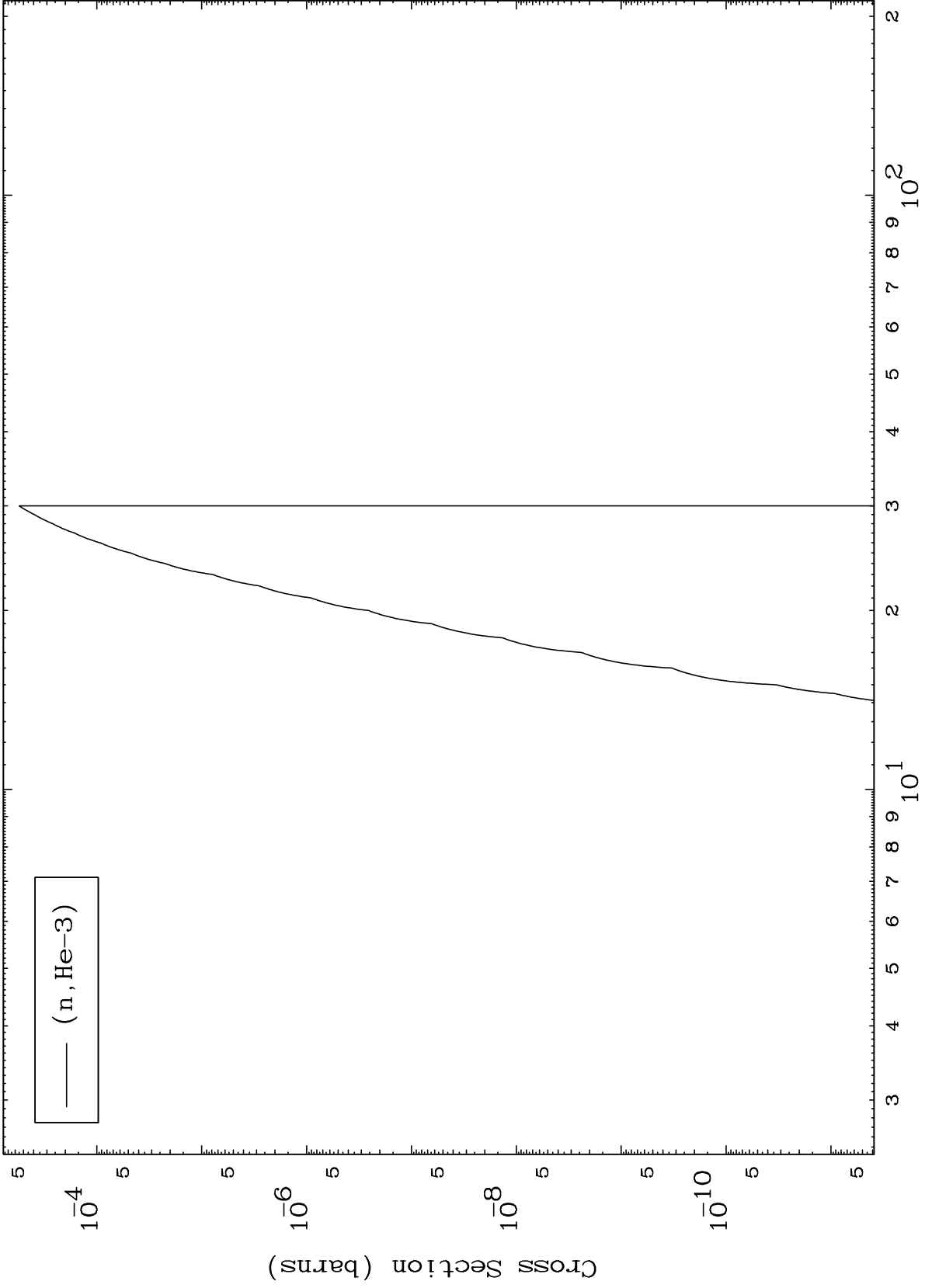
Incident Energy (MeV)

82-Pb-201

MAT 8216

(n,He3) Levels  
293 Kelvin Cross Sections

82-Pb-201



(n, He-3)

13

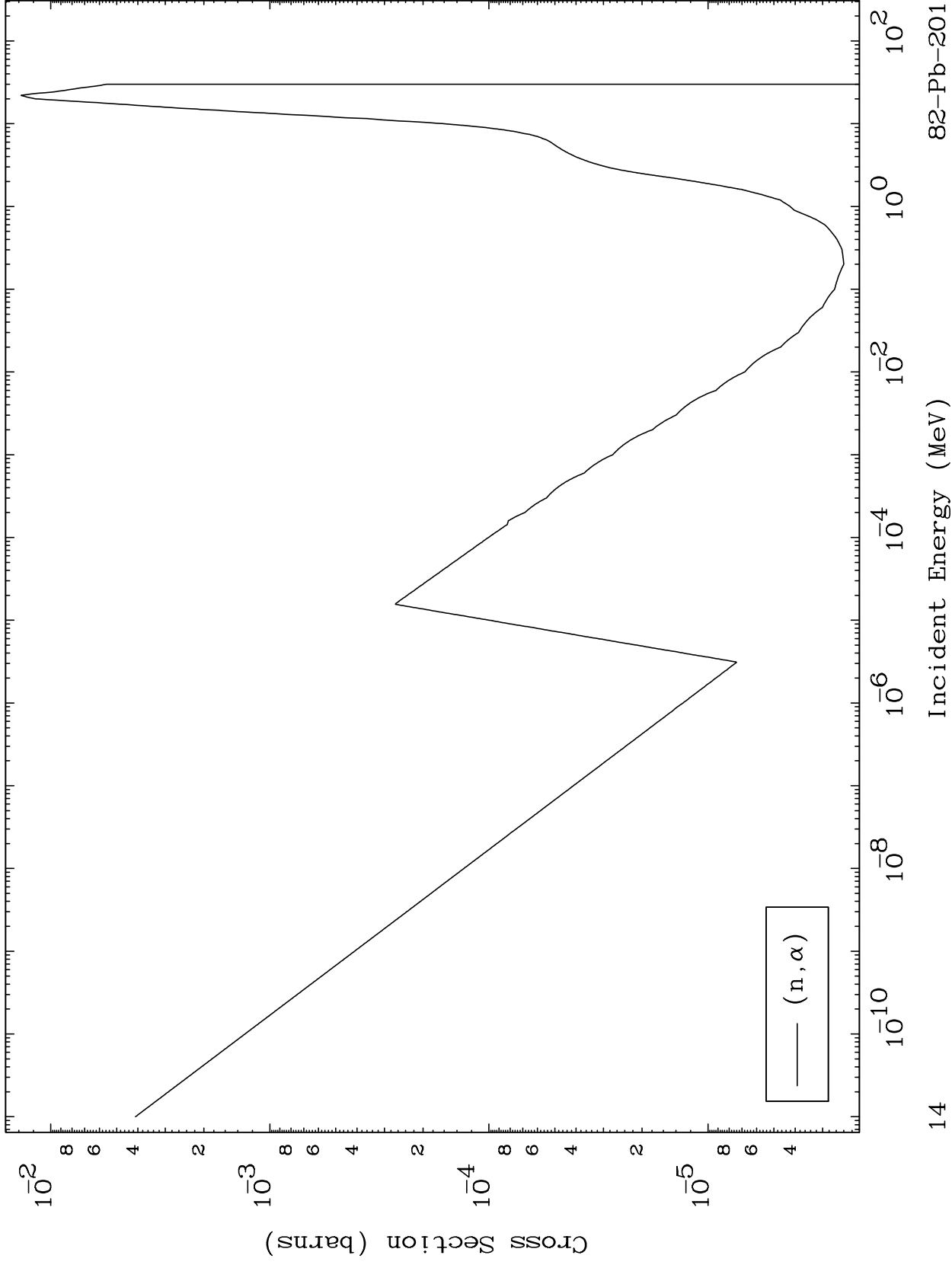
Incident Energy (MeV)

82-Pb-201

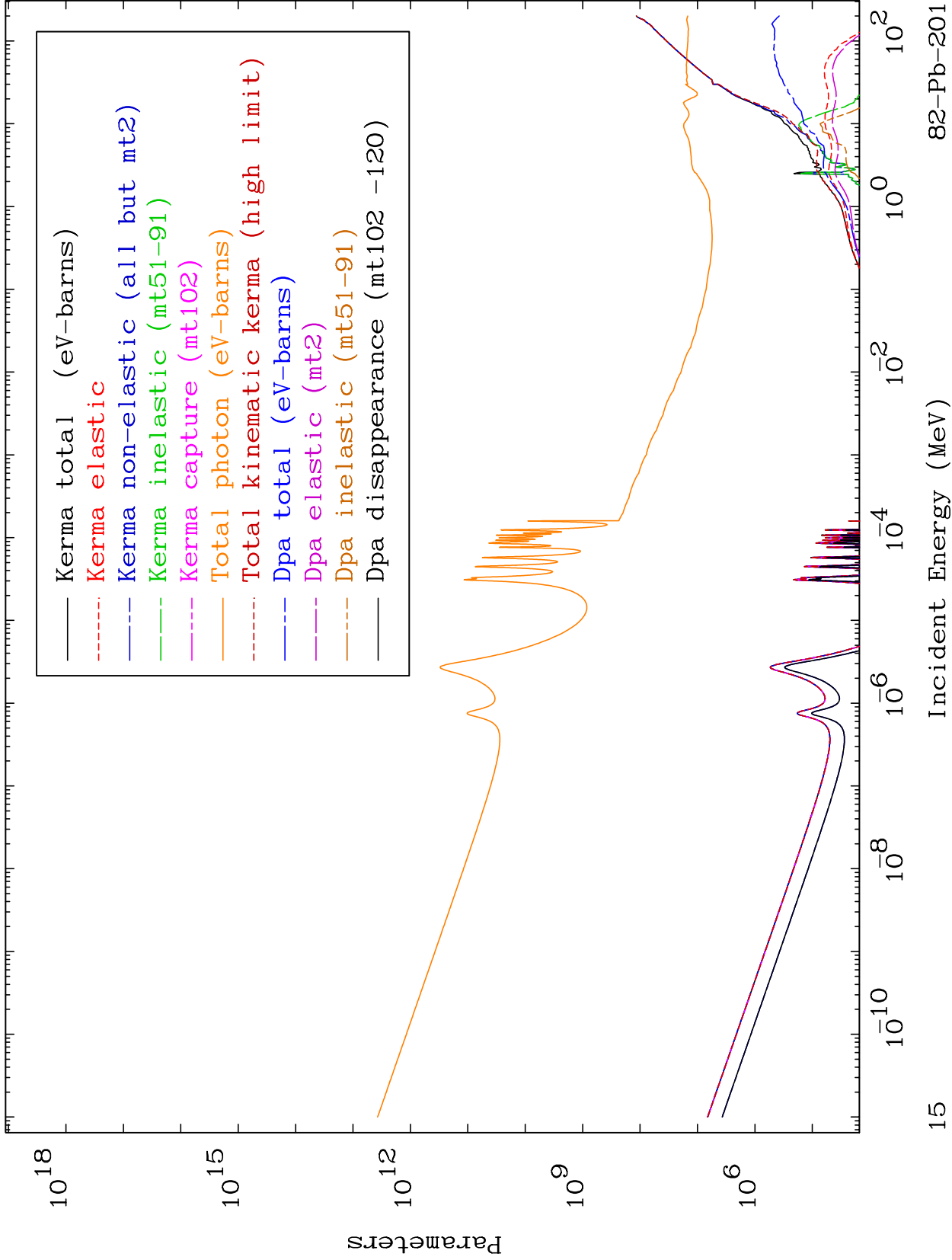
MAT 8216

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

82-Pb-201

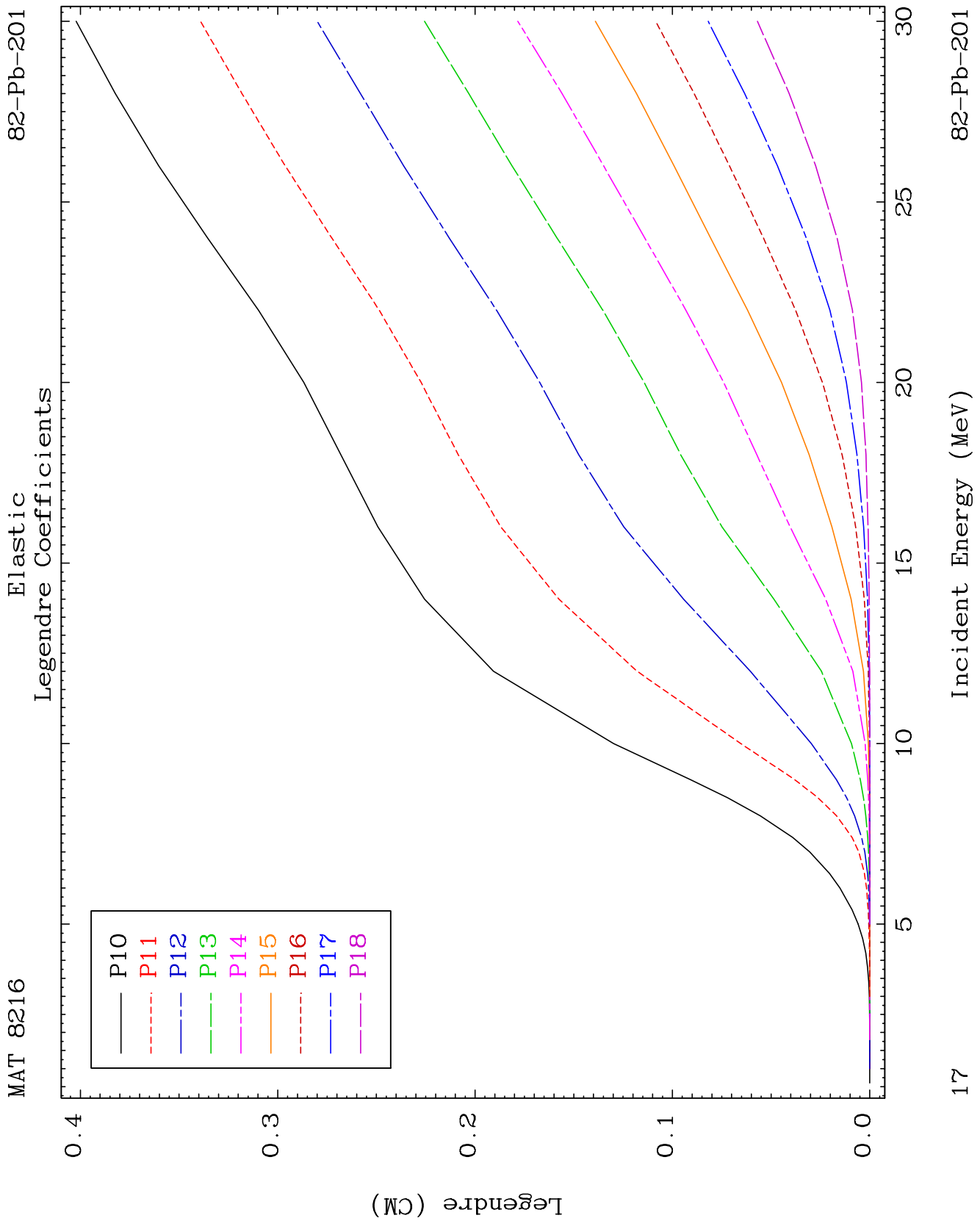


14





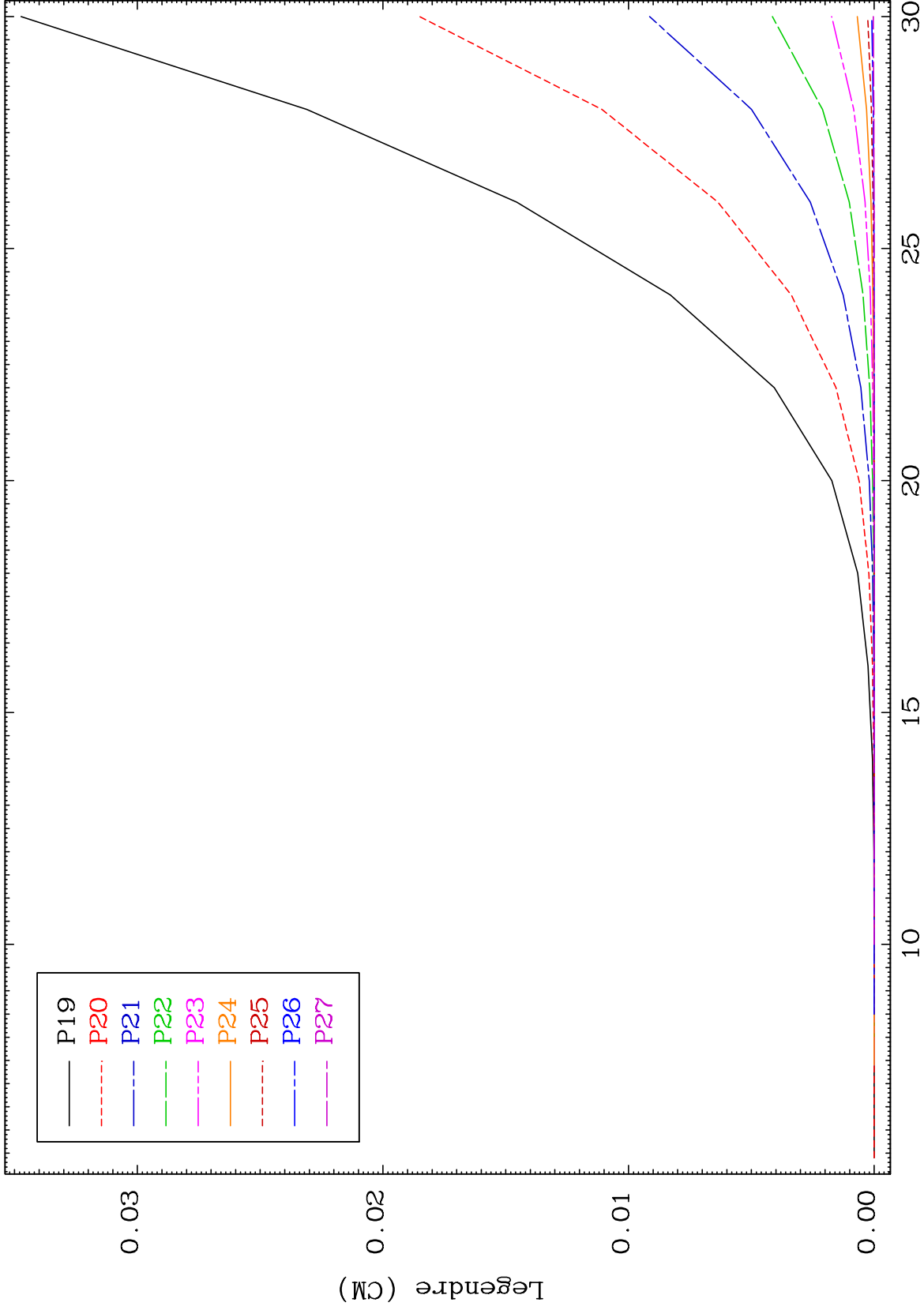




MAT 8216

Elastic  
Legendre Coefficients

82-Pb-201



18

Incident Energy (MeV)

82-Pb-201

30

25

20

15

10

Legendre (CM)

0.03

0.02

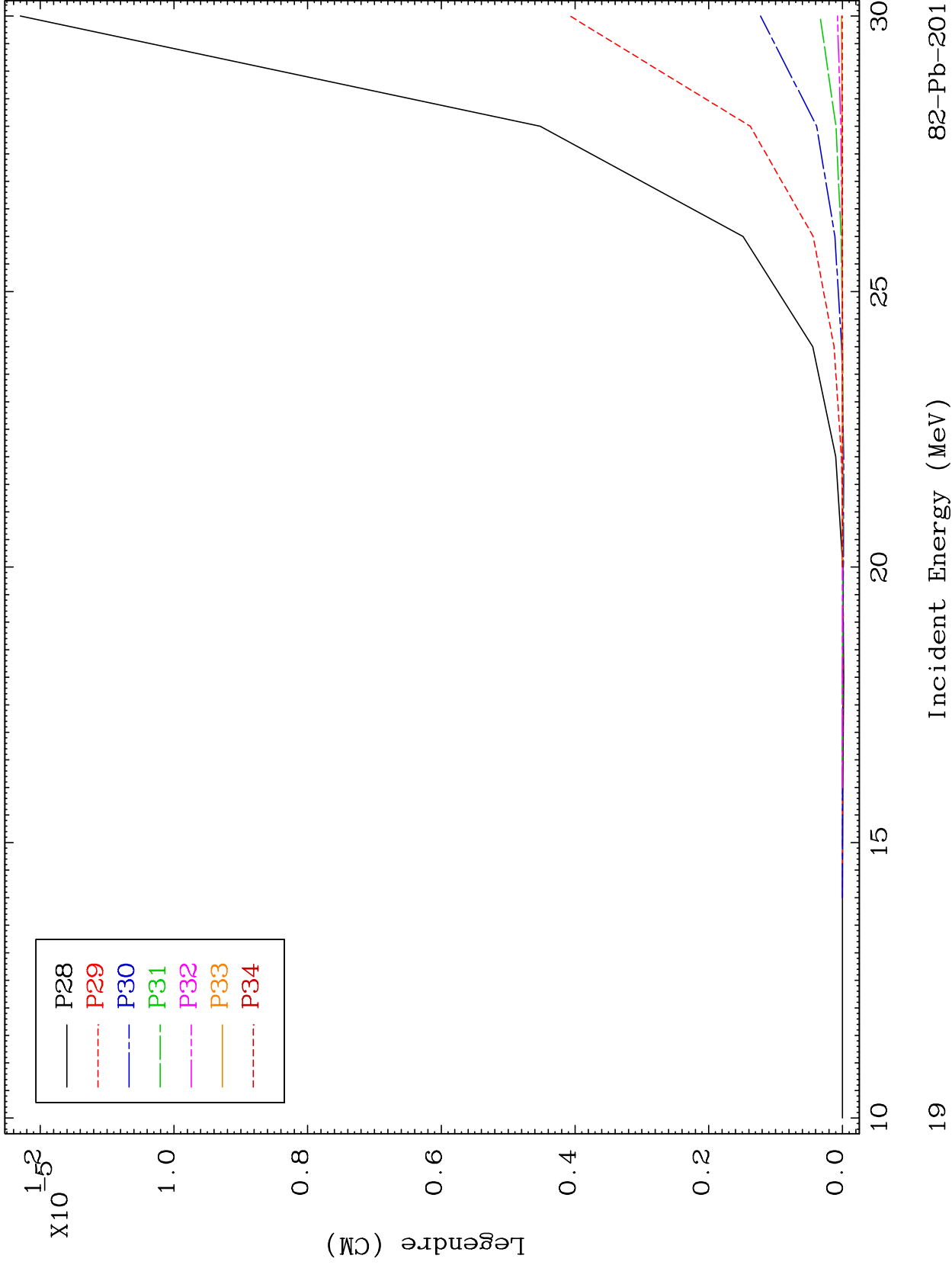
0.01

0.00

MAT 8216

Elastic  
Legendre Coefficients

82-Pb-201



19

Incident Energy (MeV)

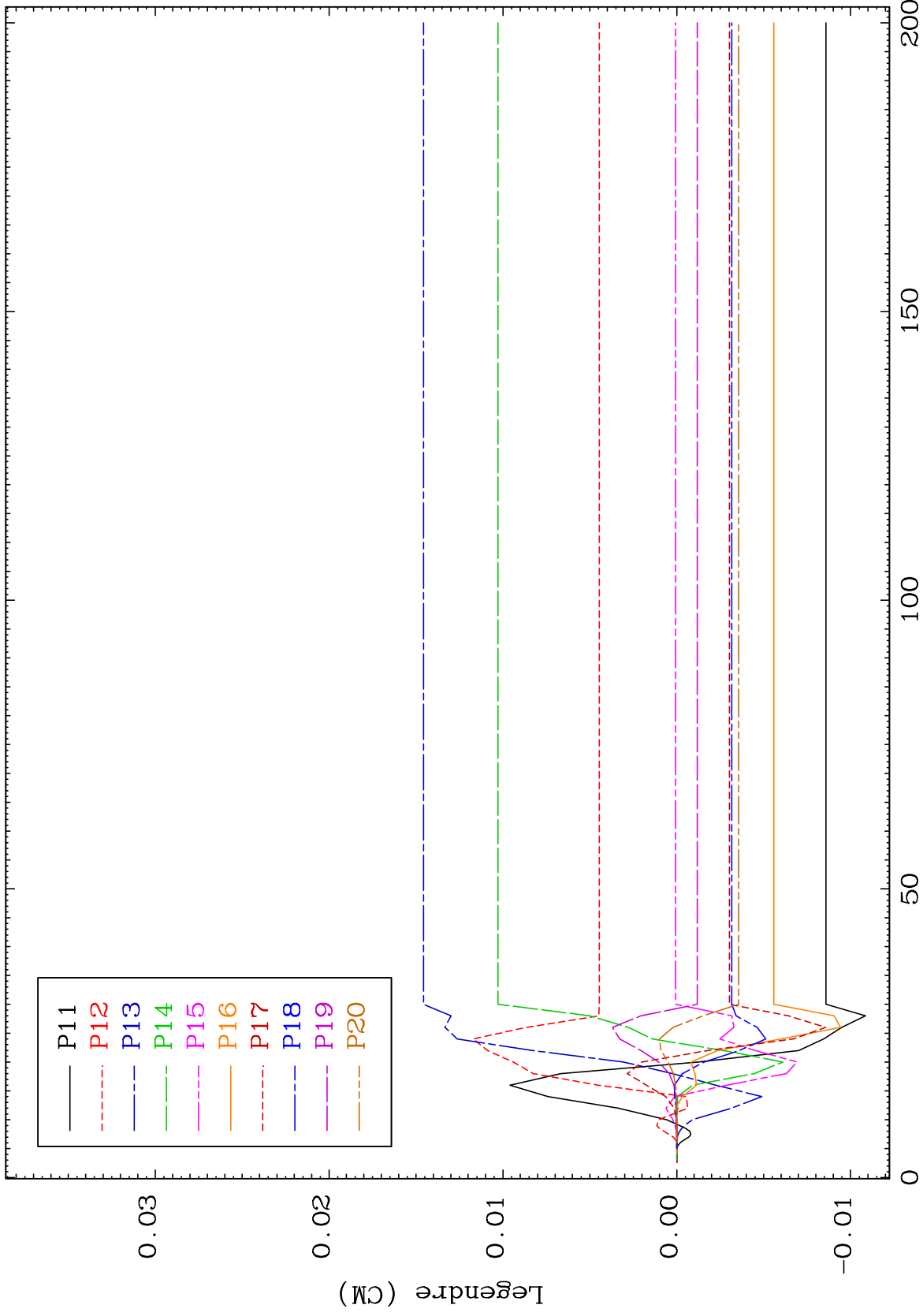
82-Pb-201



MAT 8216

88.50 keV (n,n') Level  
Legendre Coefficients

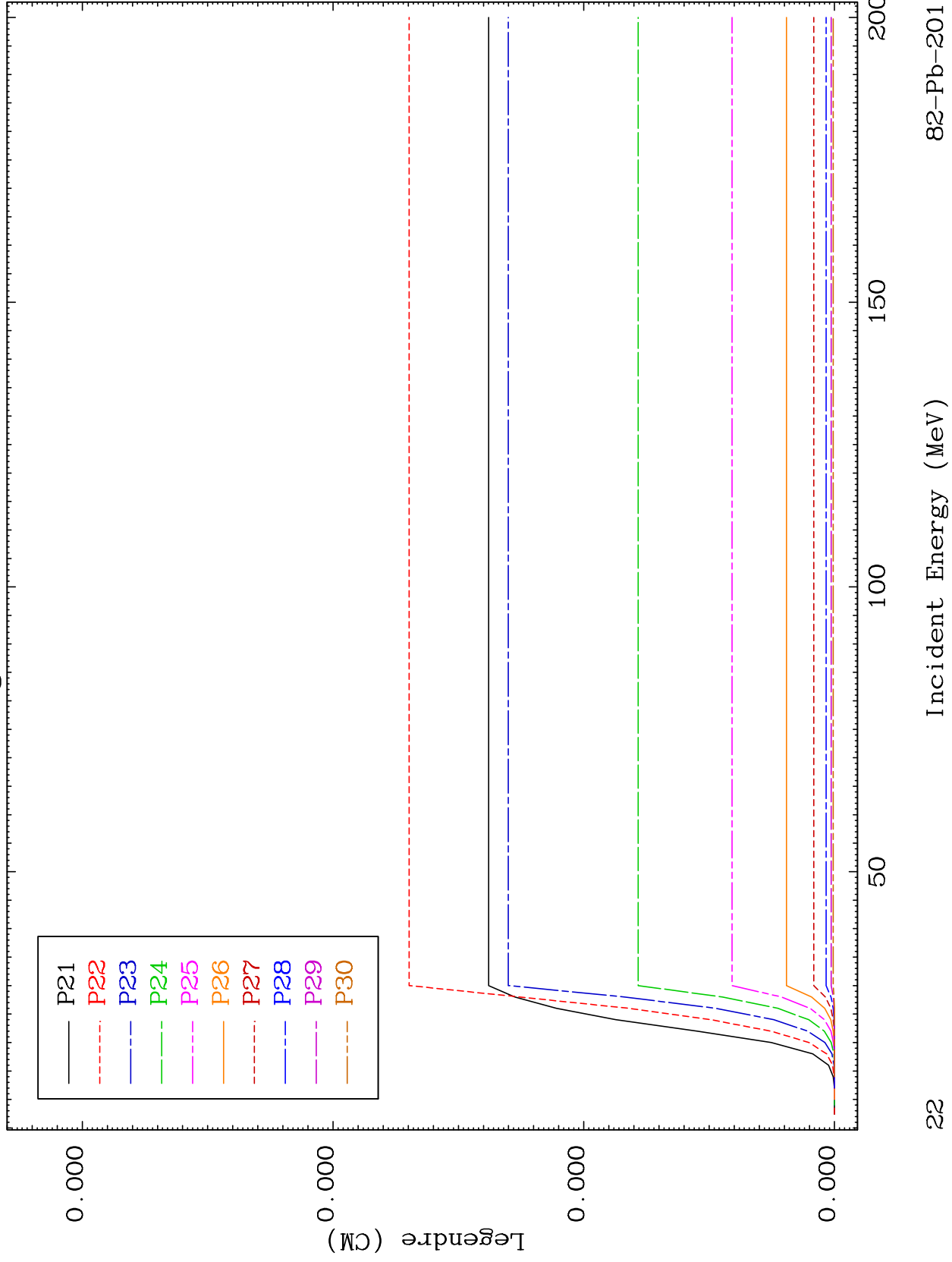
82-Pb-201



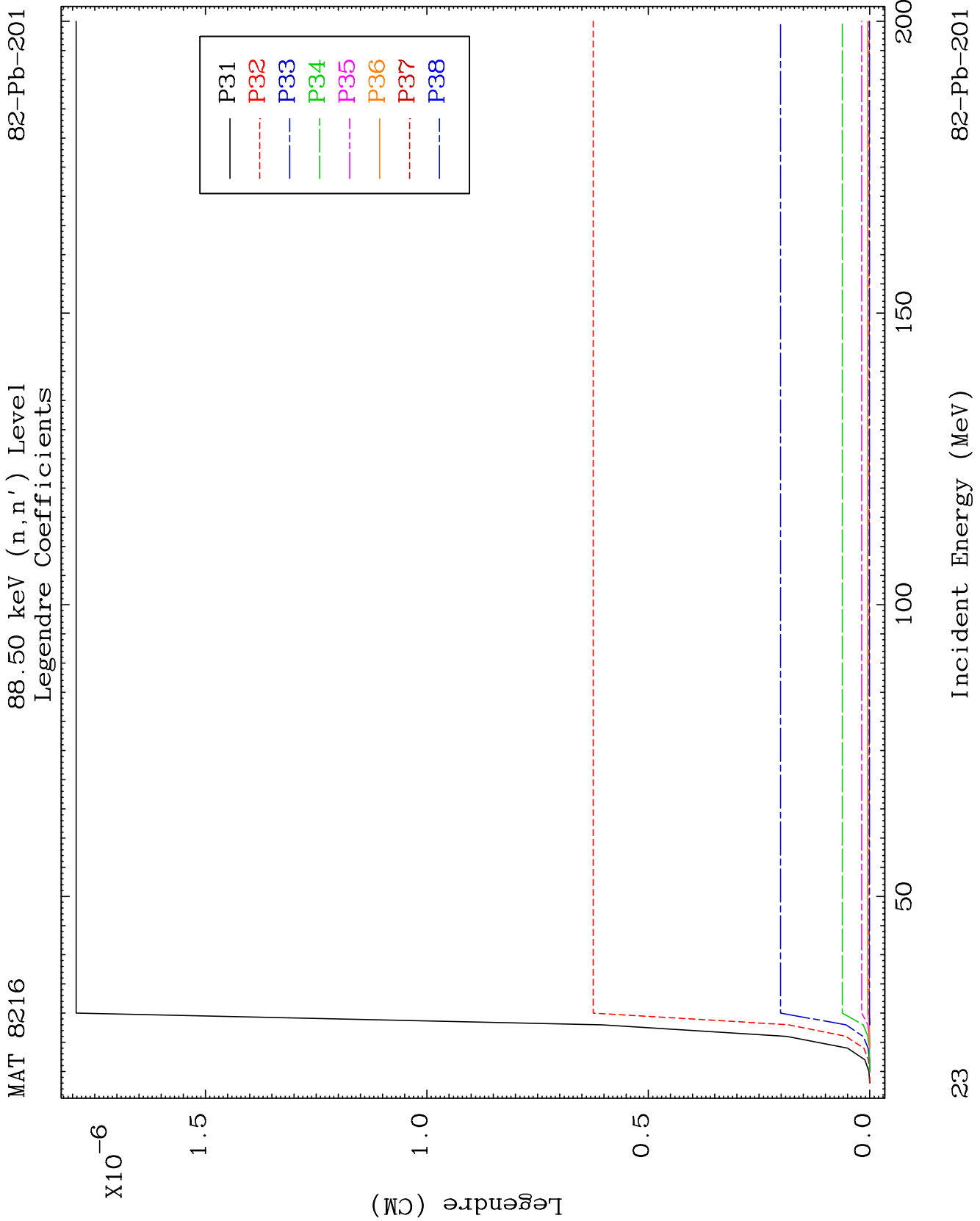
MAT 8216

88.50 keV (n,n') Level  
Legendre Coefficients

82-Pb-201



22

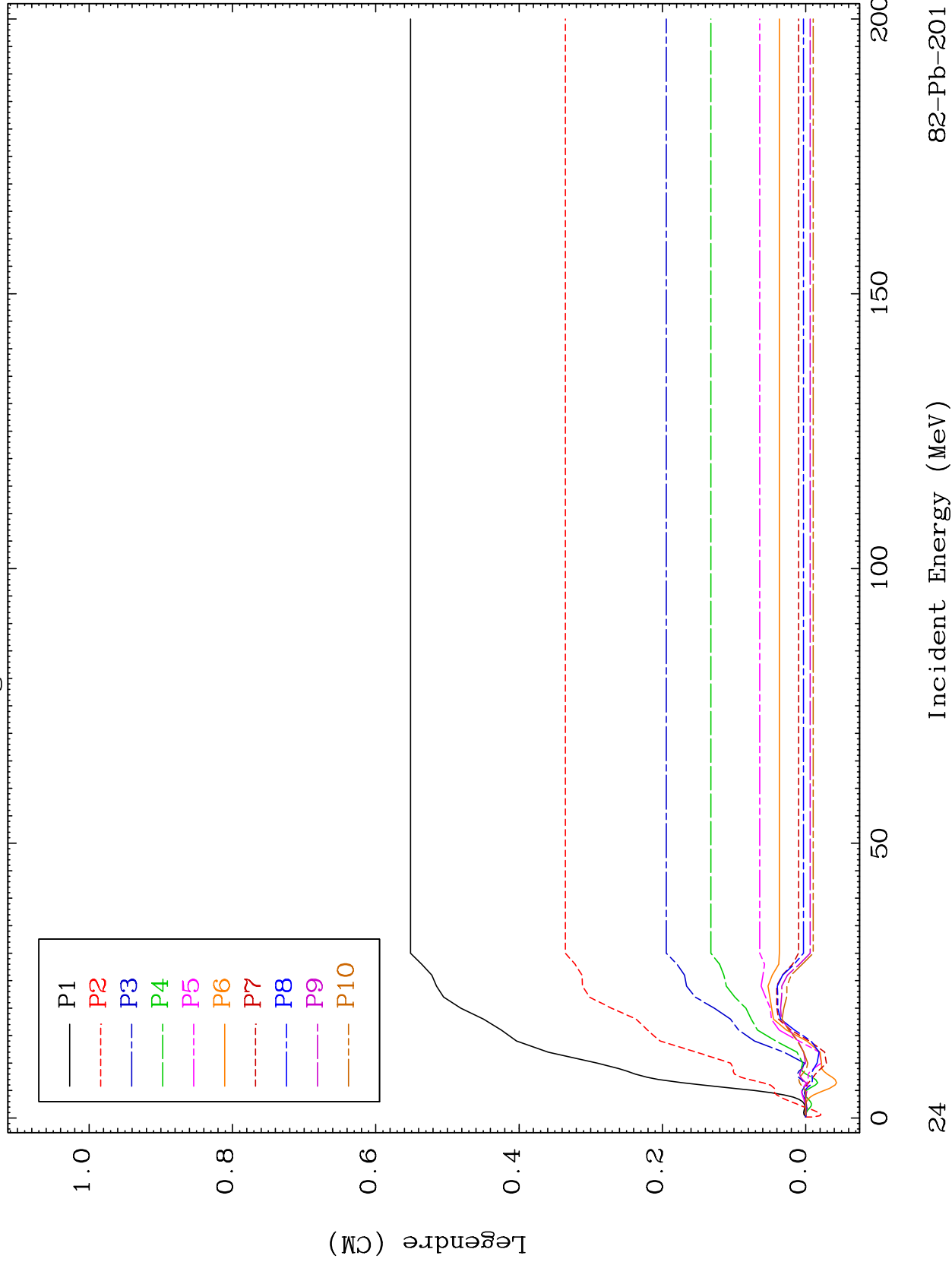




MAT 8216

169.9 keV (n,n') Level  
Legendre Coefficients

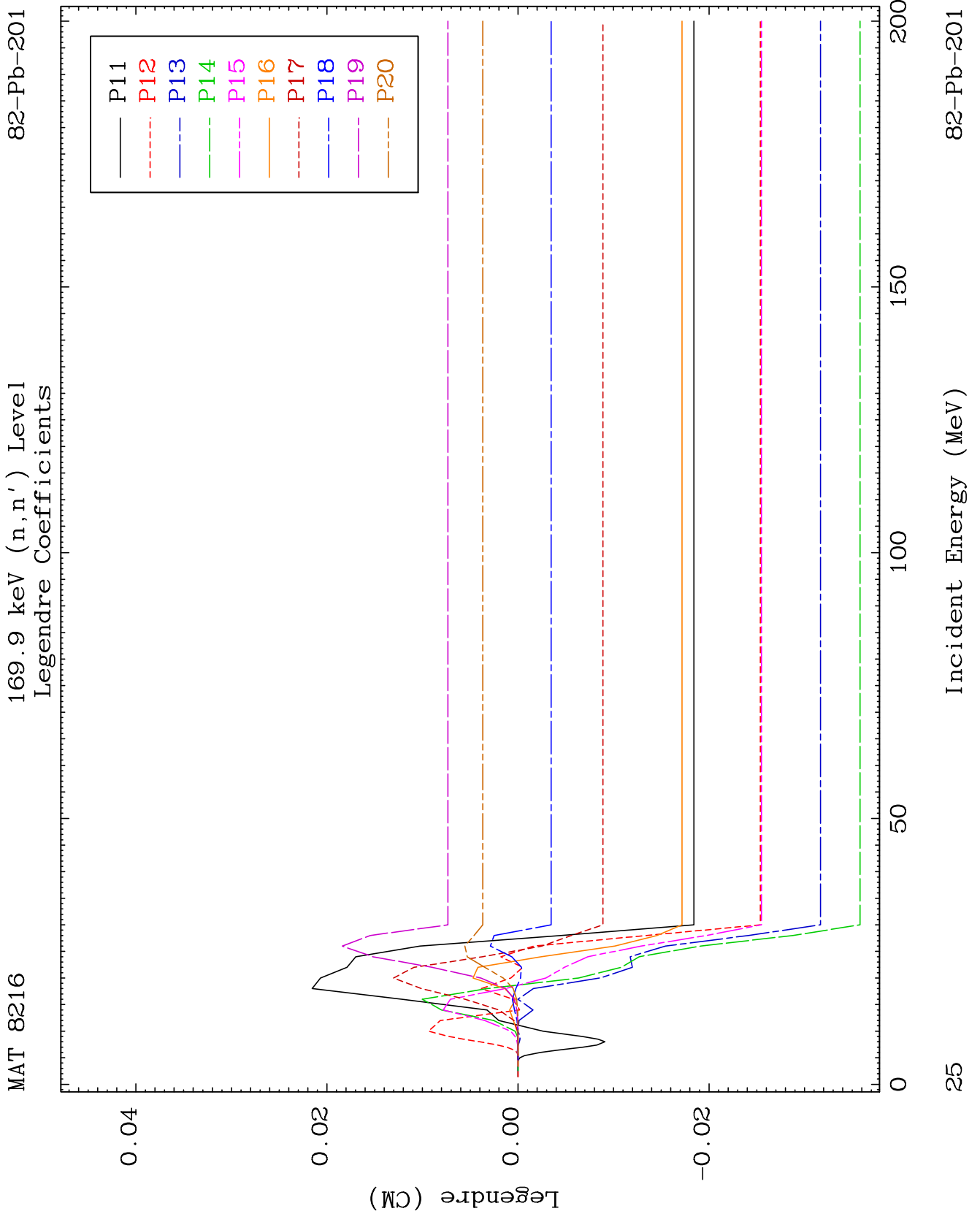
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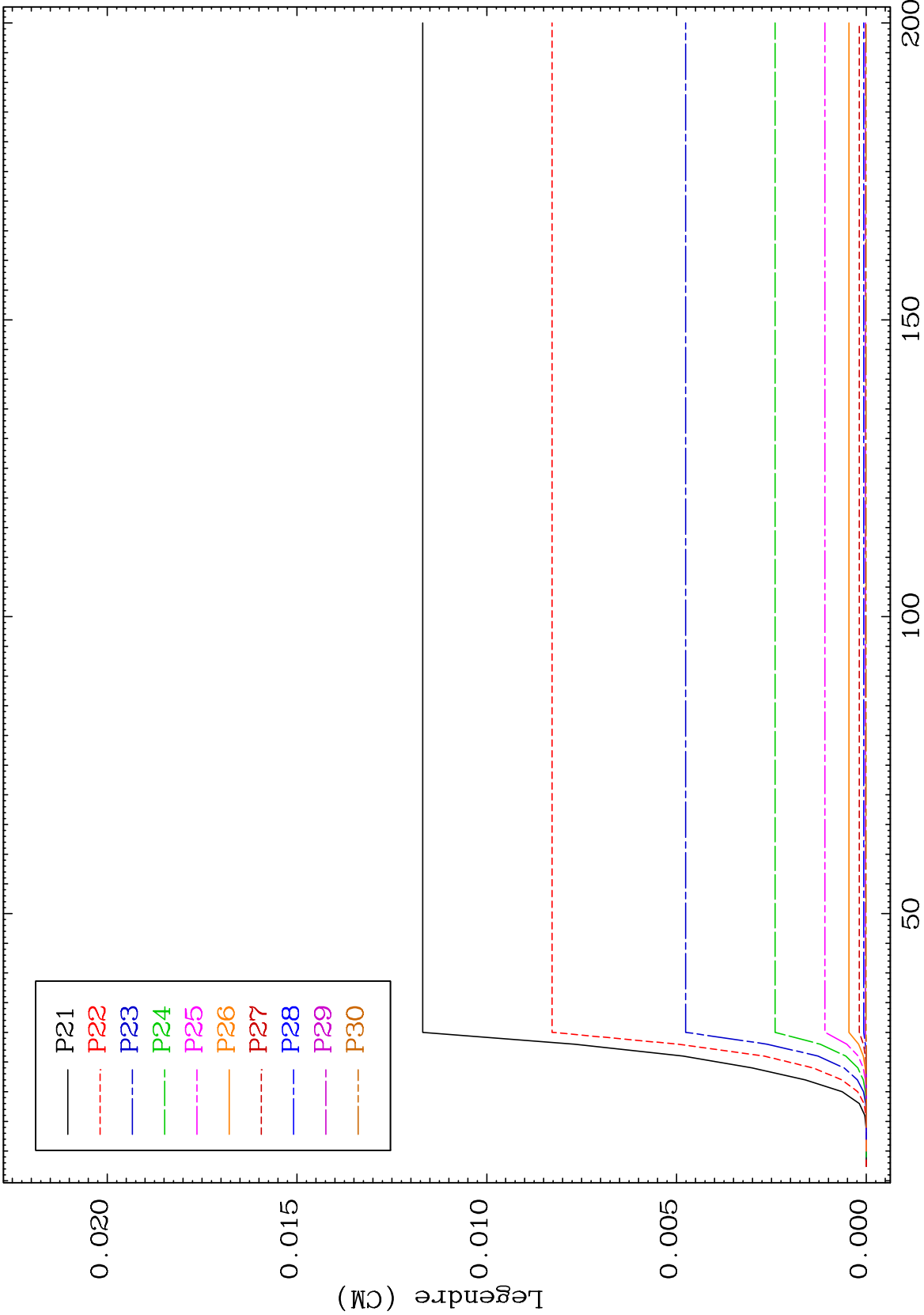


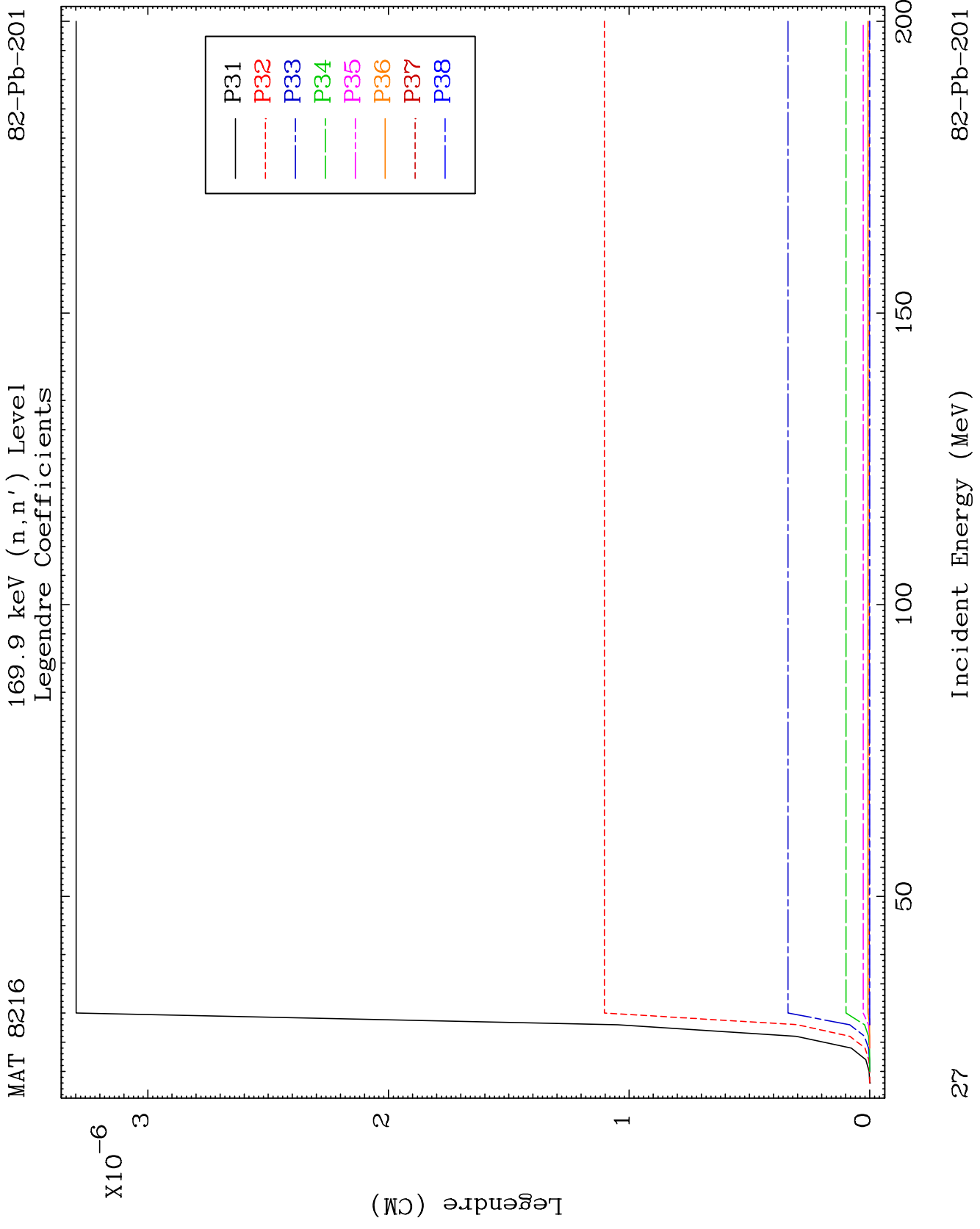
24

Incident Energy (MeV)

82-Pb-201





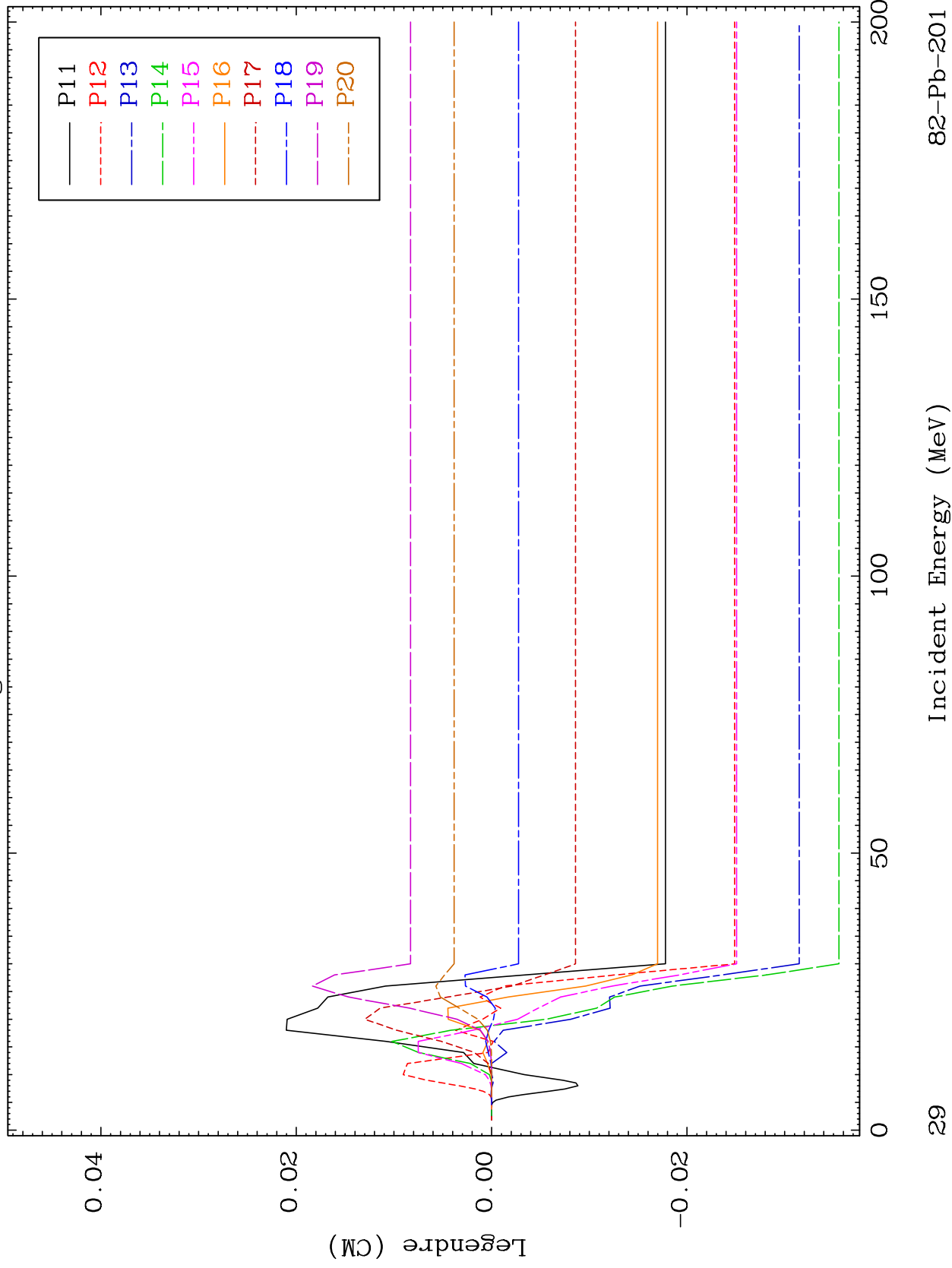




MAT 8216

538.8 keV (n,n') Level  
Legendre Coefficients

82-Pb-201



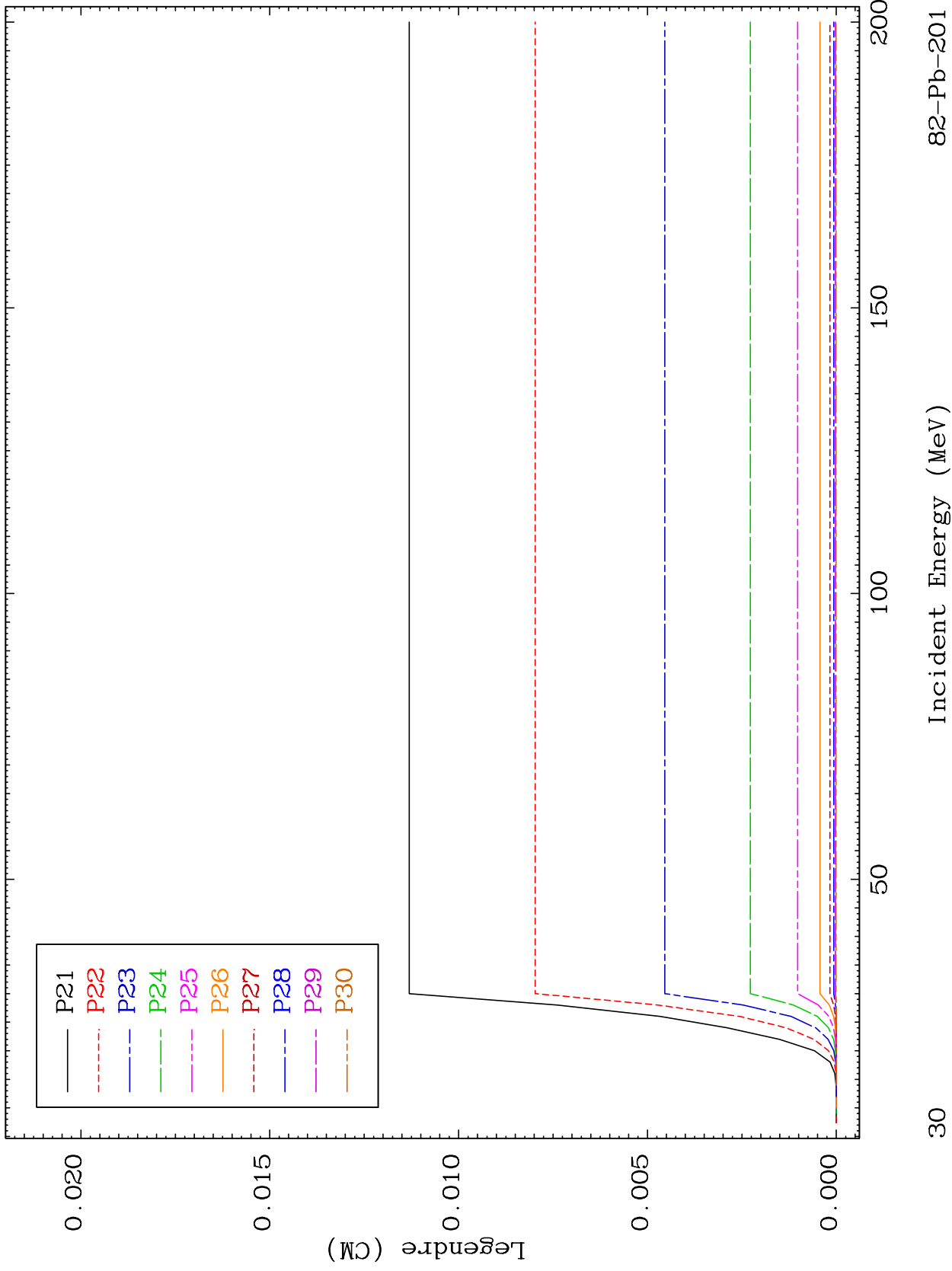
29

82-Pb-201

MAT 8216

538.8 keV (n,n') Level  
Legendre Coefficients

82-Pb-201



30

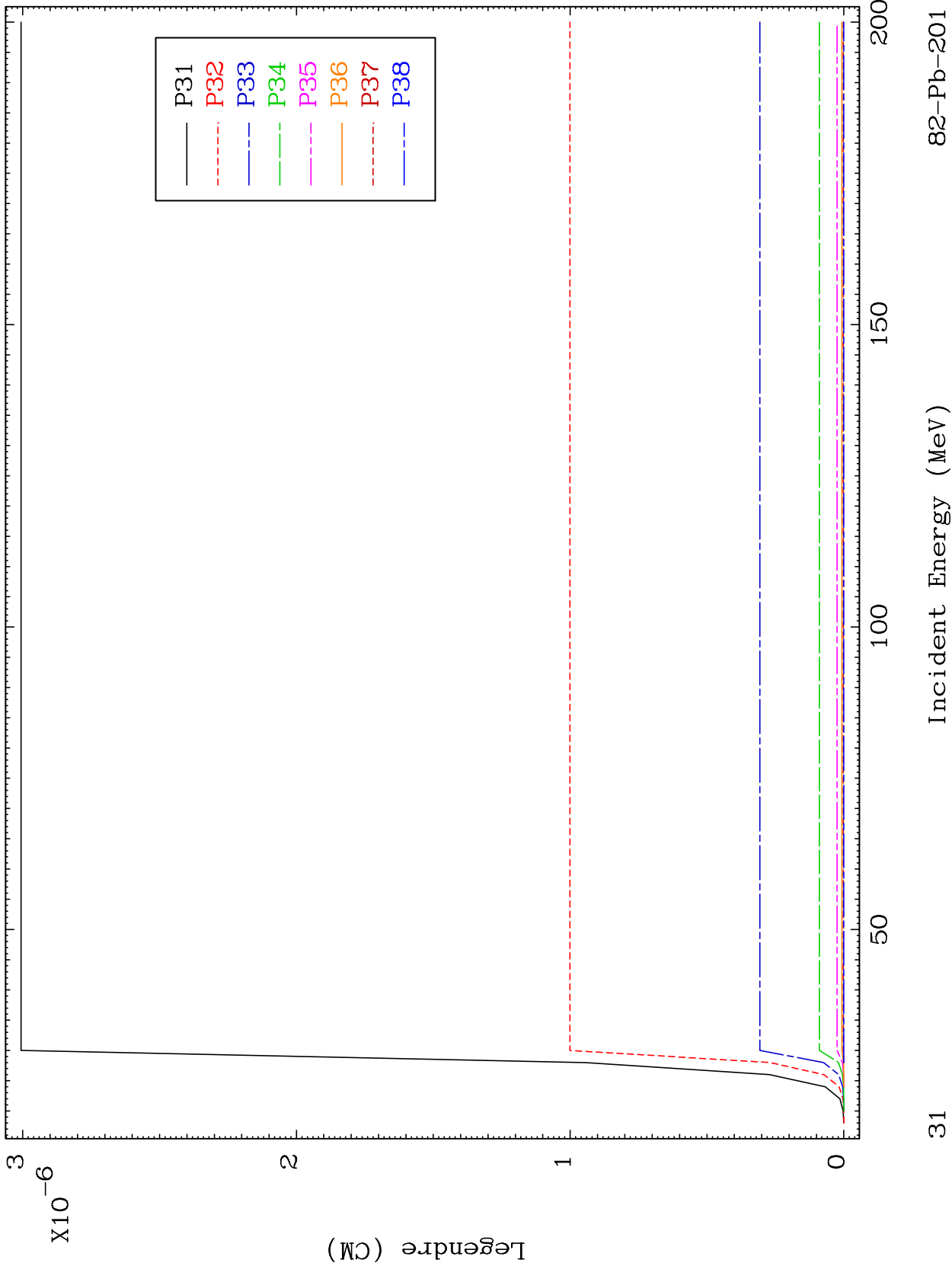
Incident Energy (MeV)

82-Pb-201

MAT 8216

538.8 keV (n,n') Level  
Legendre Coefficients

82-Pb-201

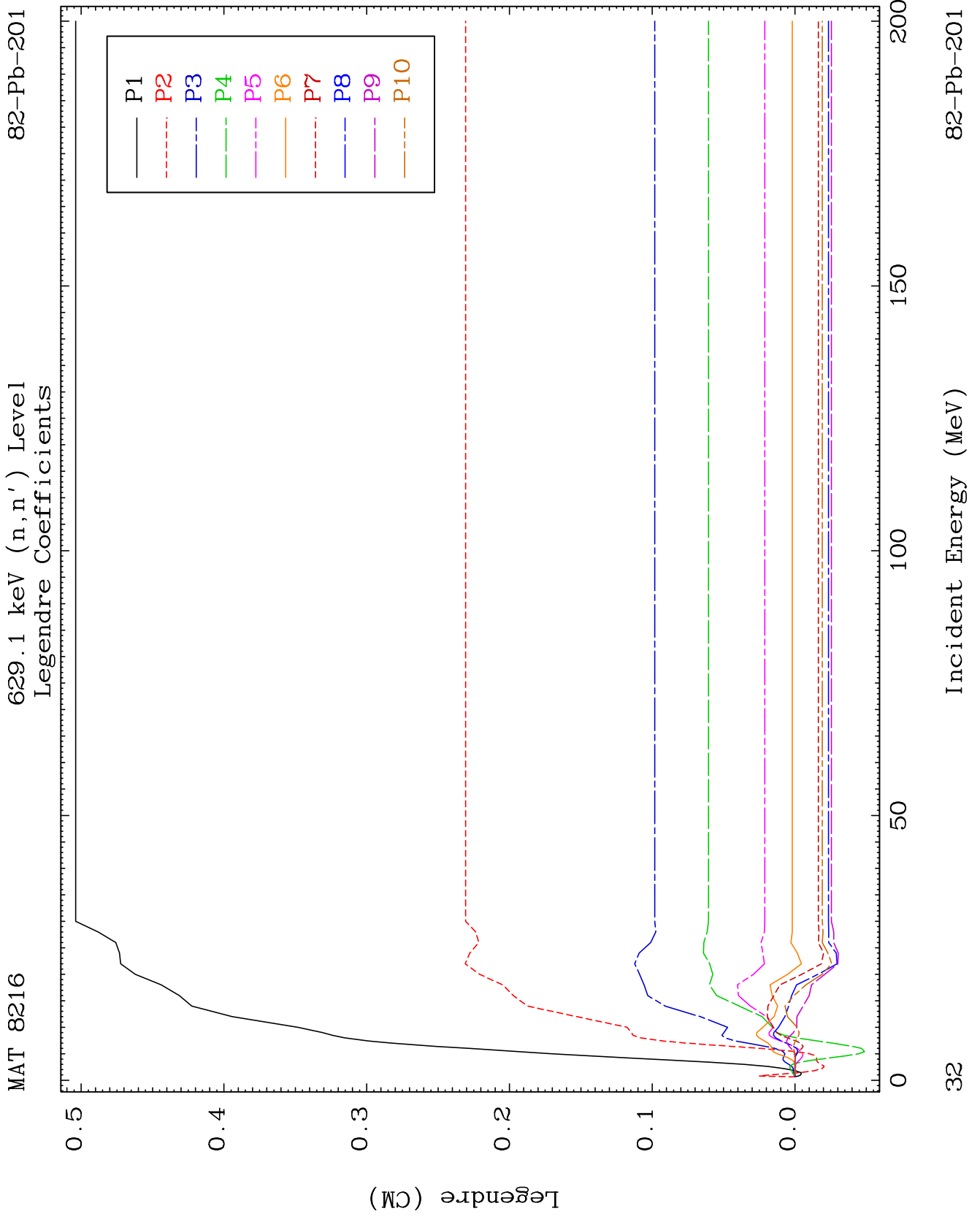


31

Incident Energy (MeV)

82-Pb-201

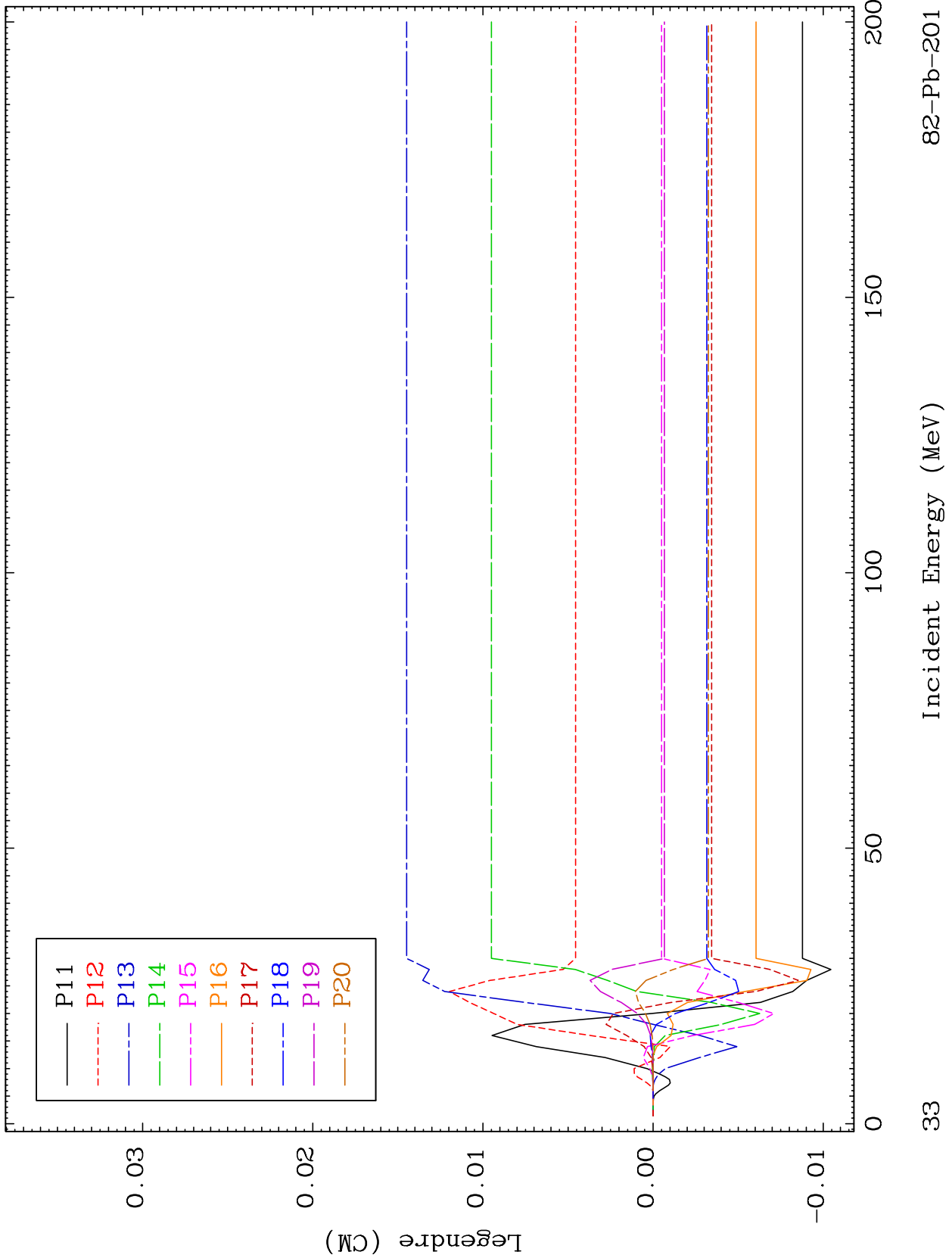




MAT 8216

629.1 keV (n,n') Level  
Legendre Coefficients

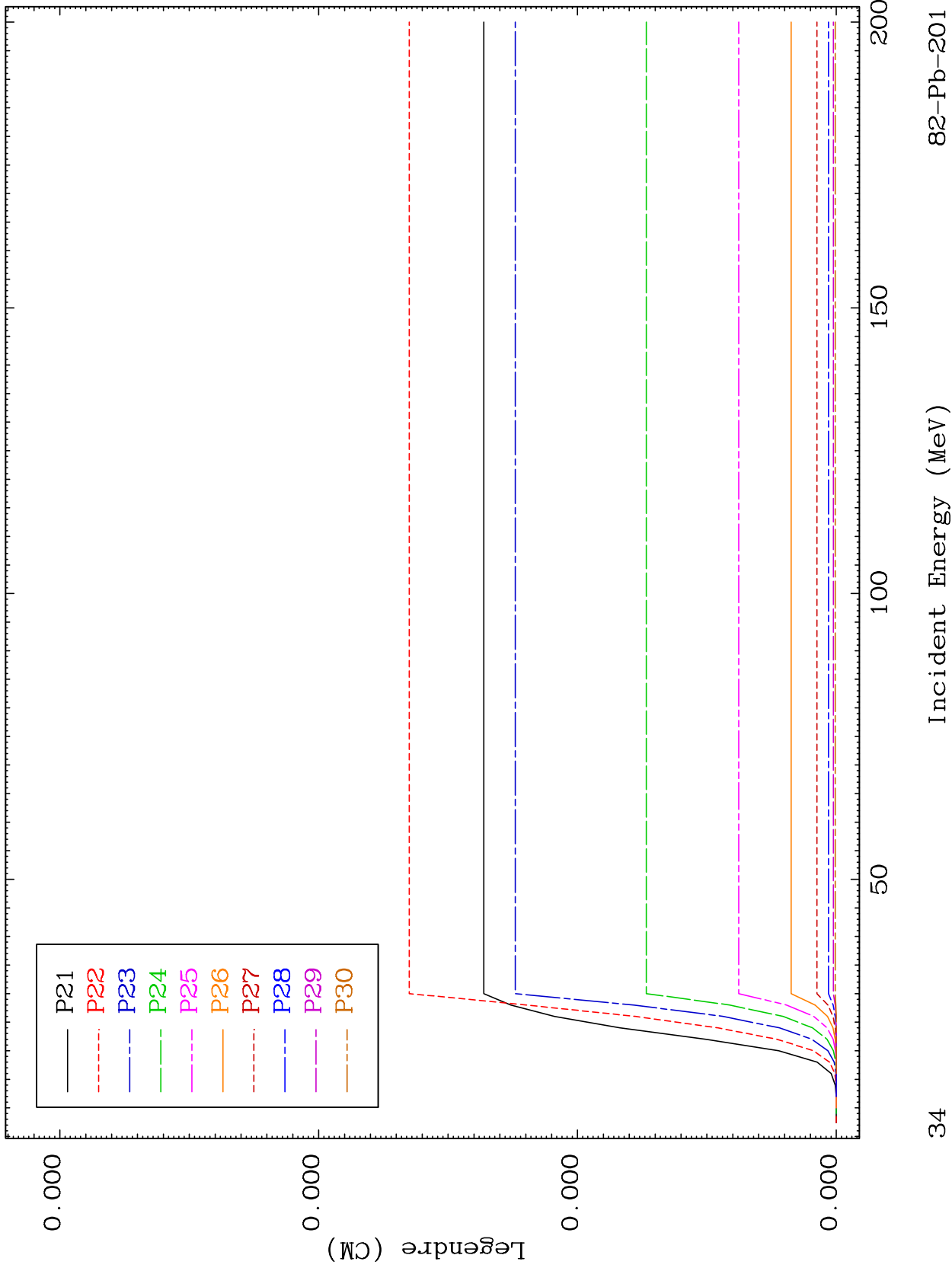
82-Pb-201



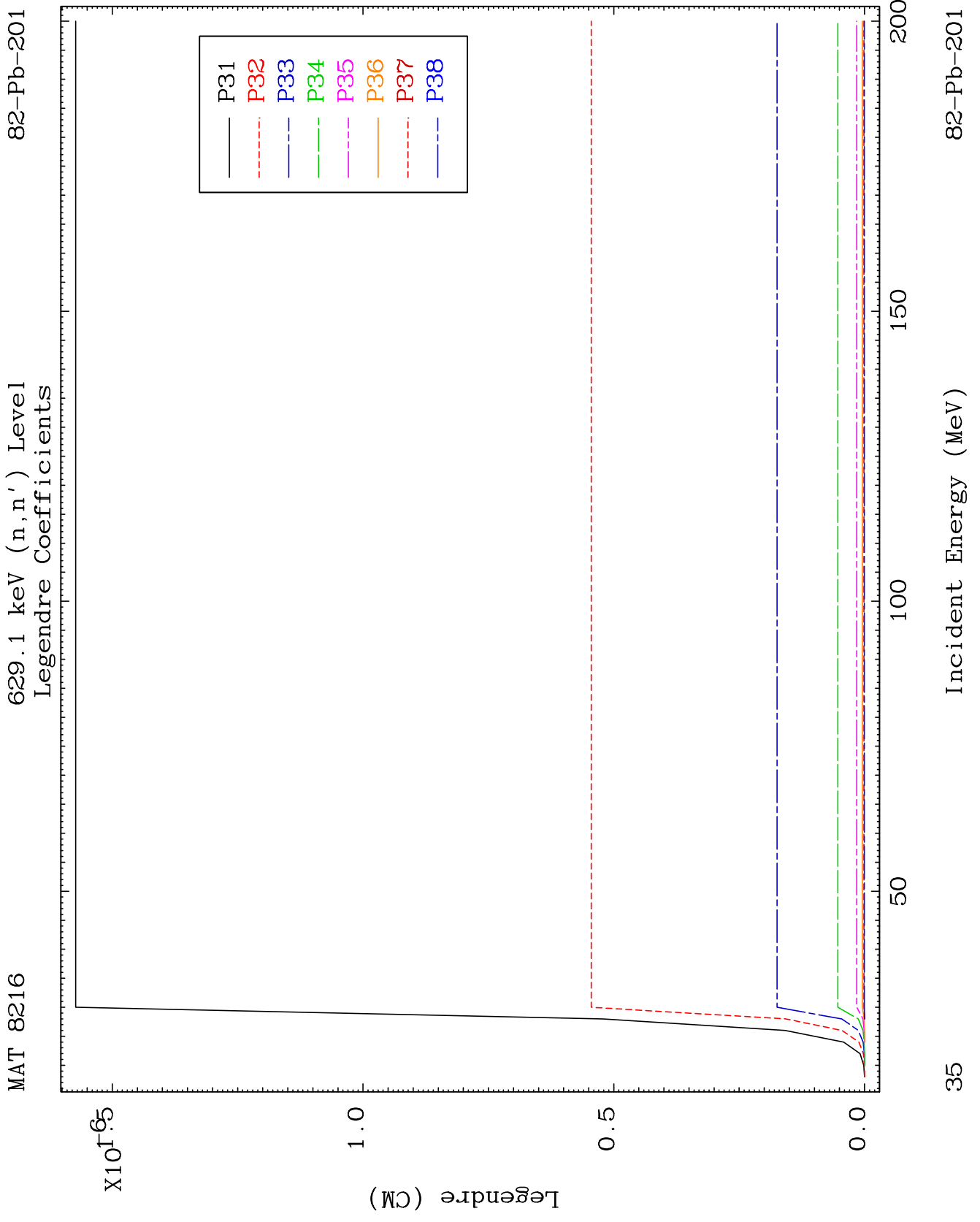
MAT 8216

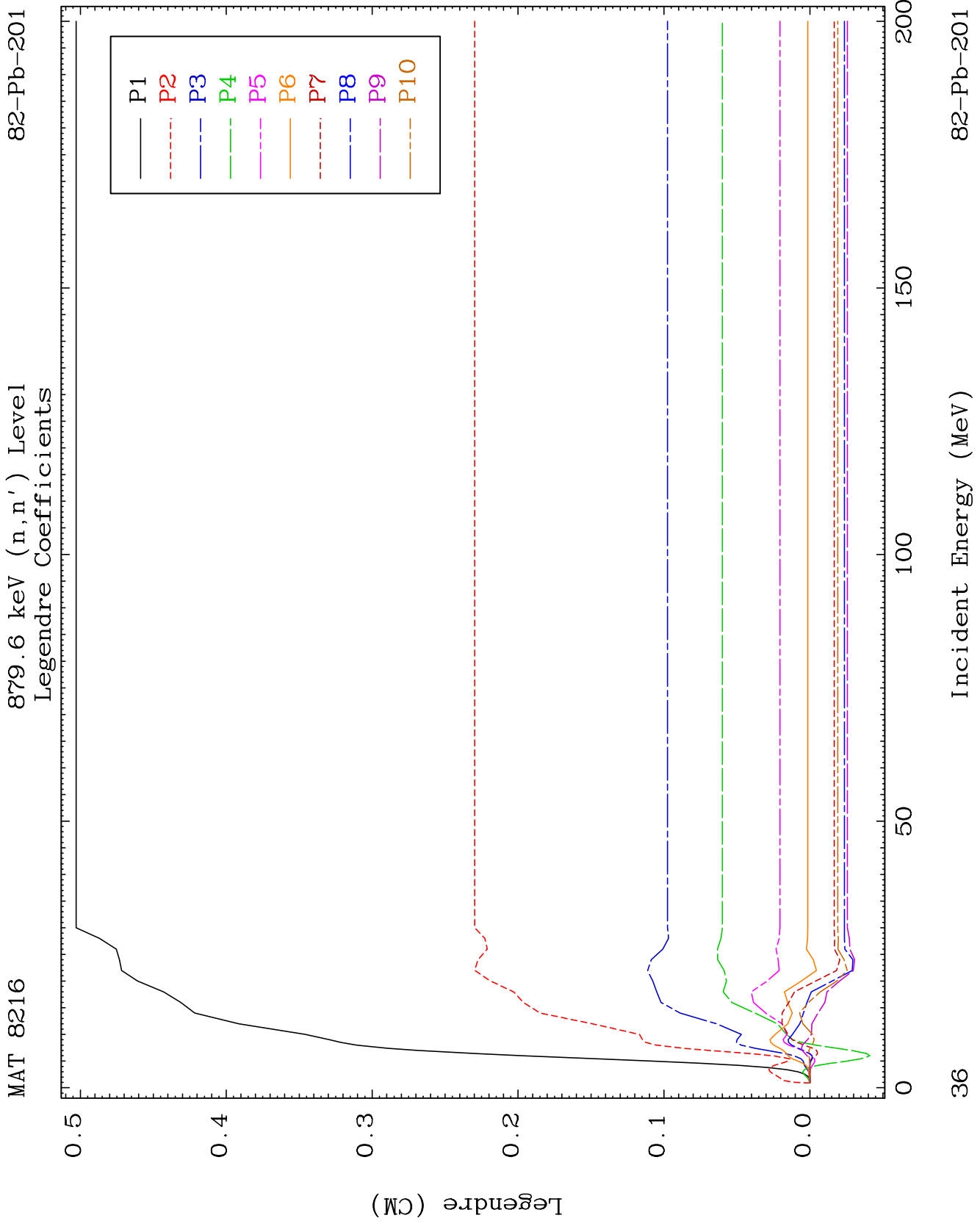
629.1 keV (n,n') Level  
Legendre Coefficients

82-Pb-201



34

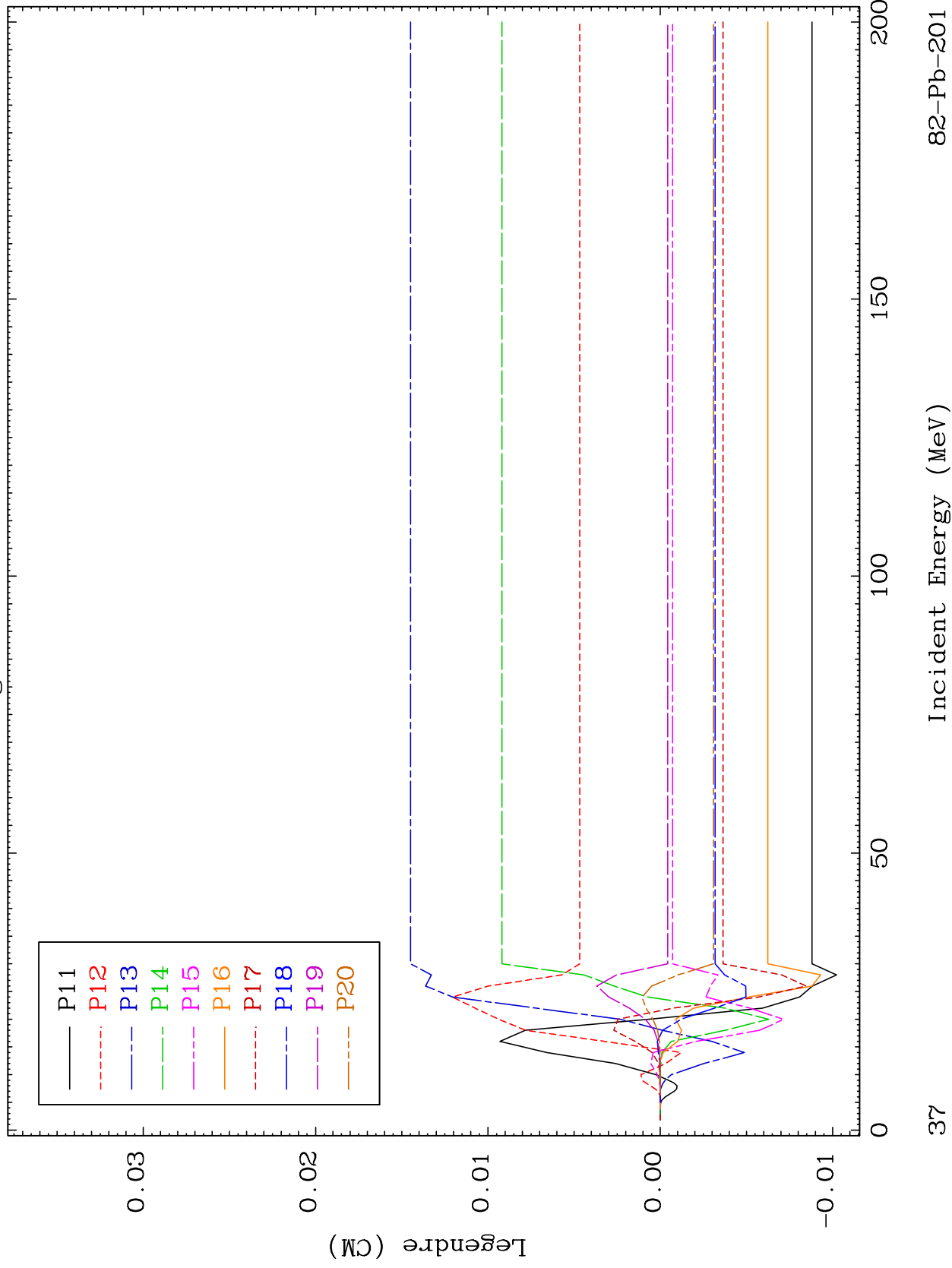




MAT 8216

879.6 keV (n,n') Level  
Legendre Coefficients

82-Pb-201



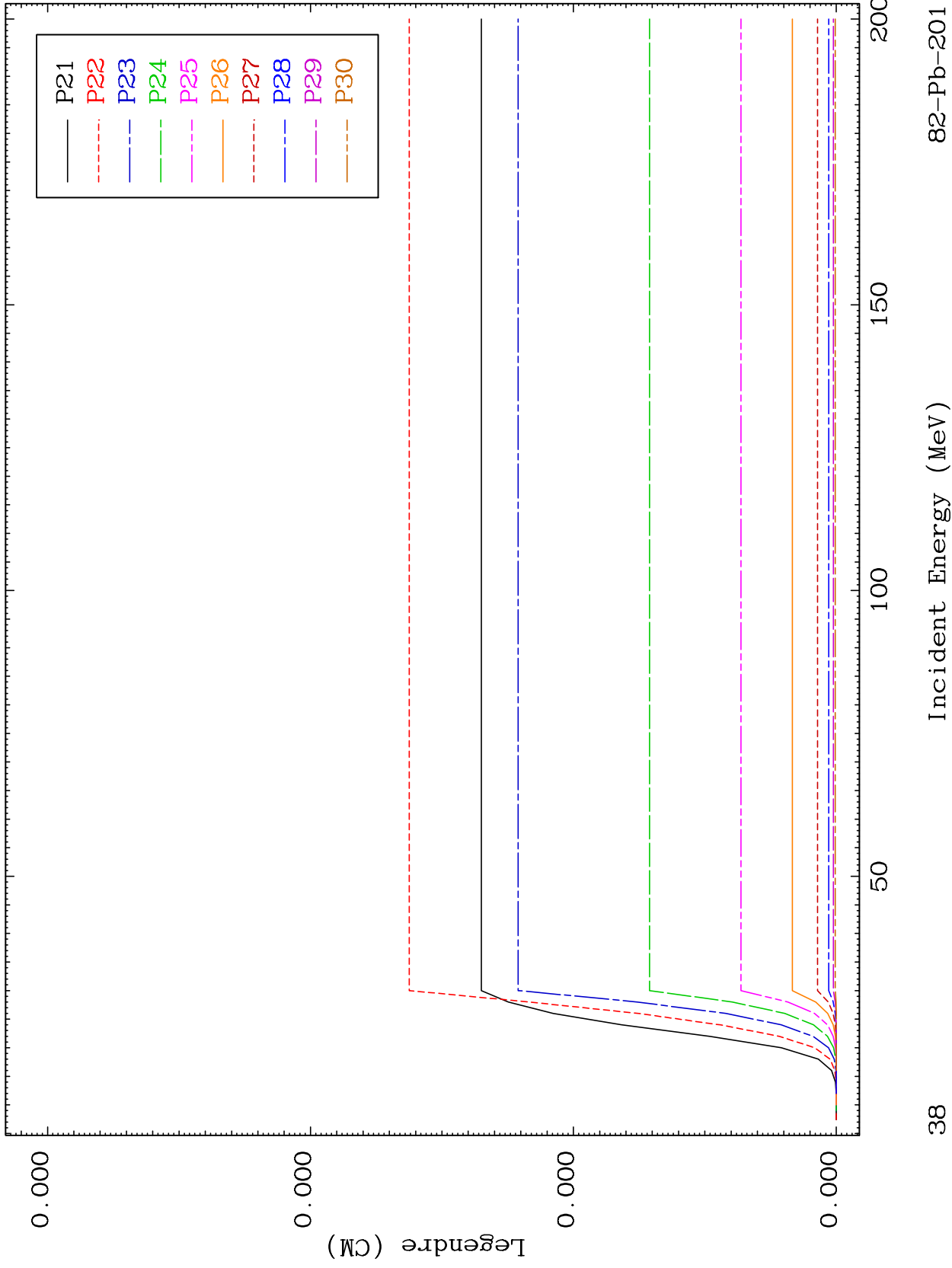
37

82-Pb-201

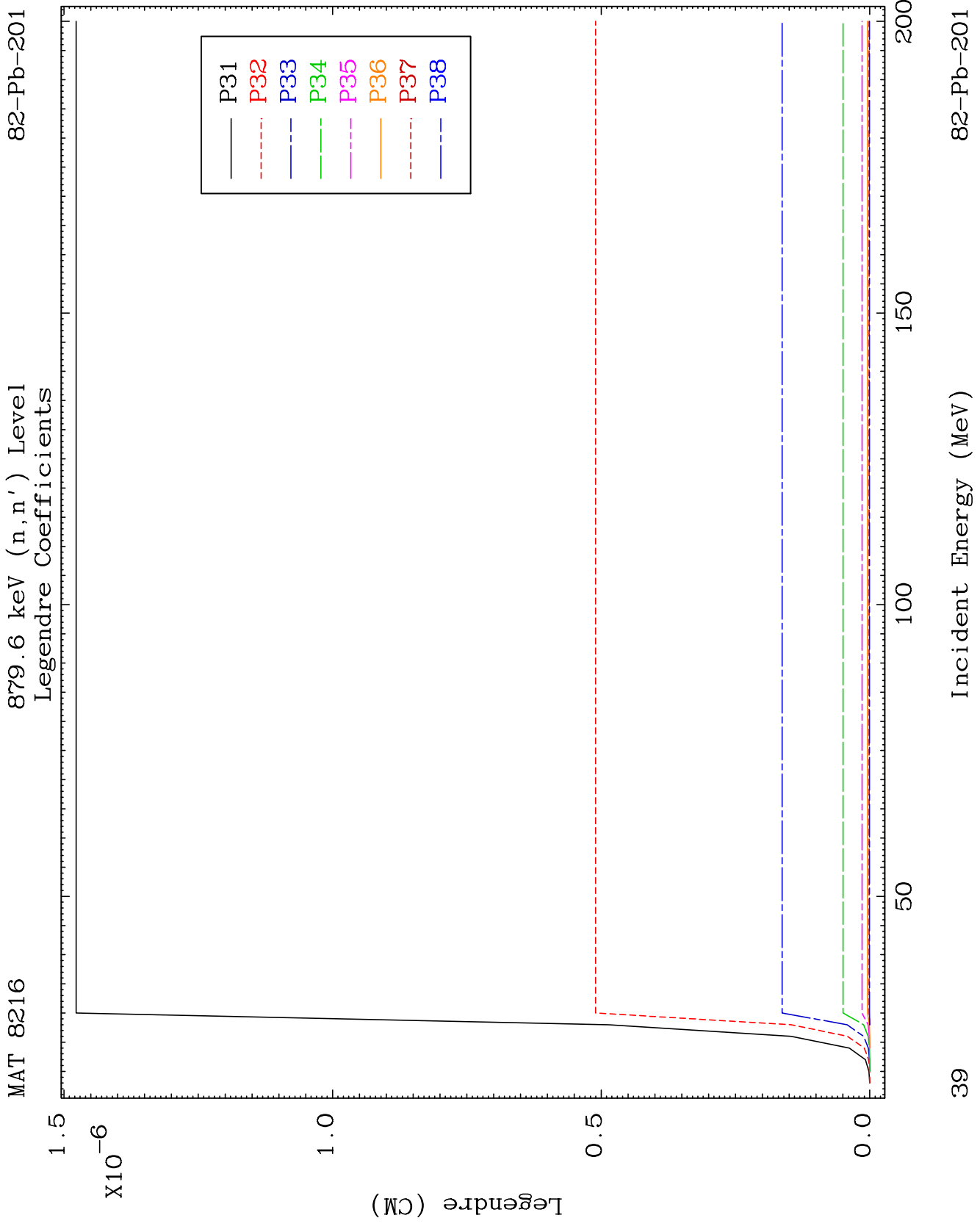
MAT 8216

879.6 keV (n,n') Level  
Legendre Coefficients

82-Pb-201



38

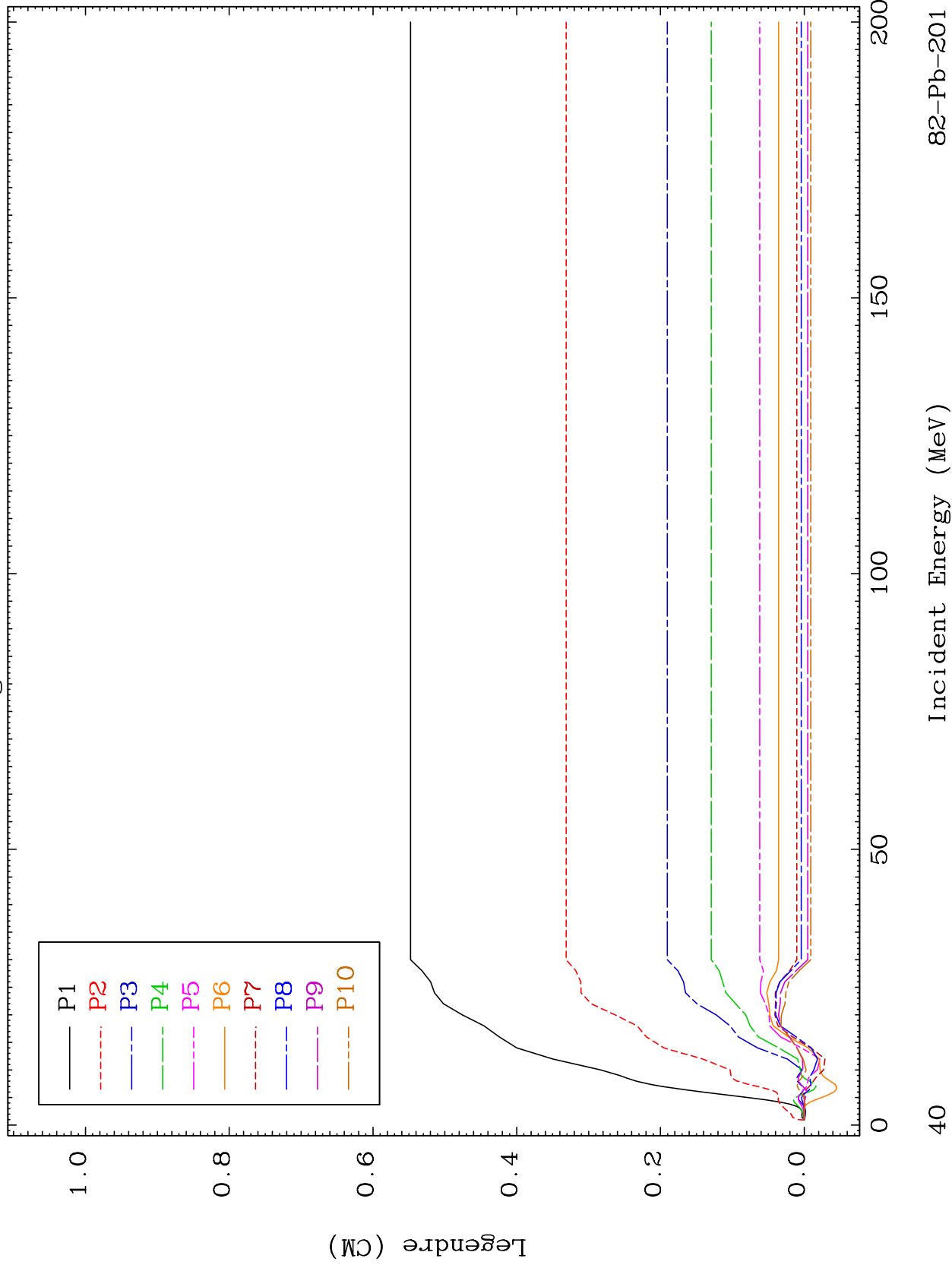




MAT 8216

910.5 keV (n, n') Level  
Legendre Coefficients

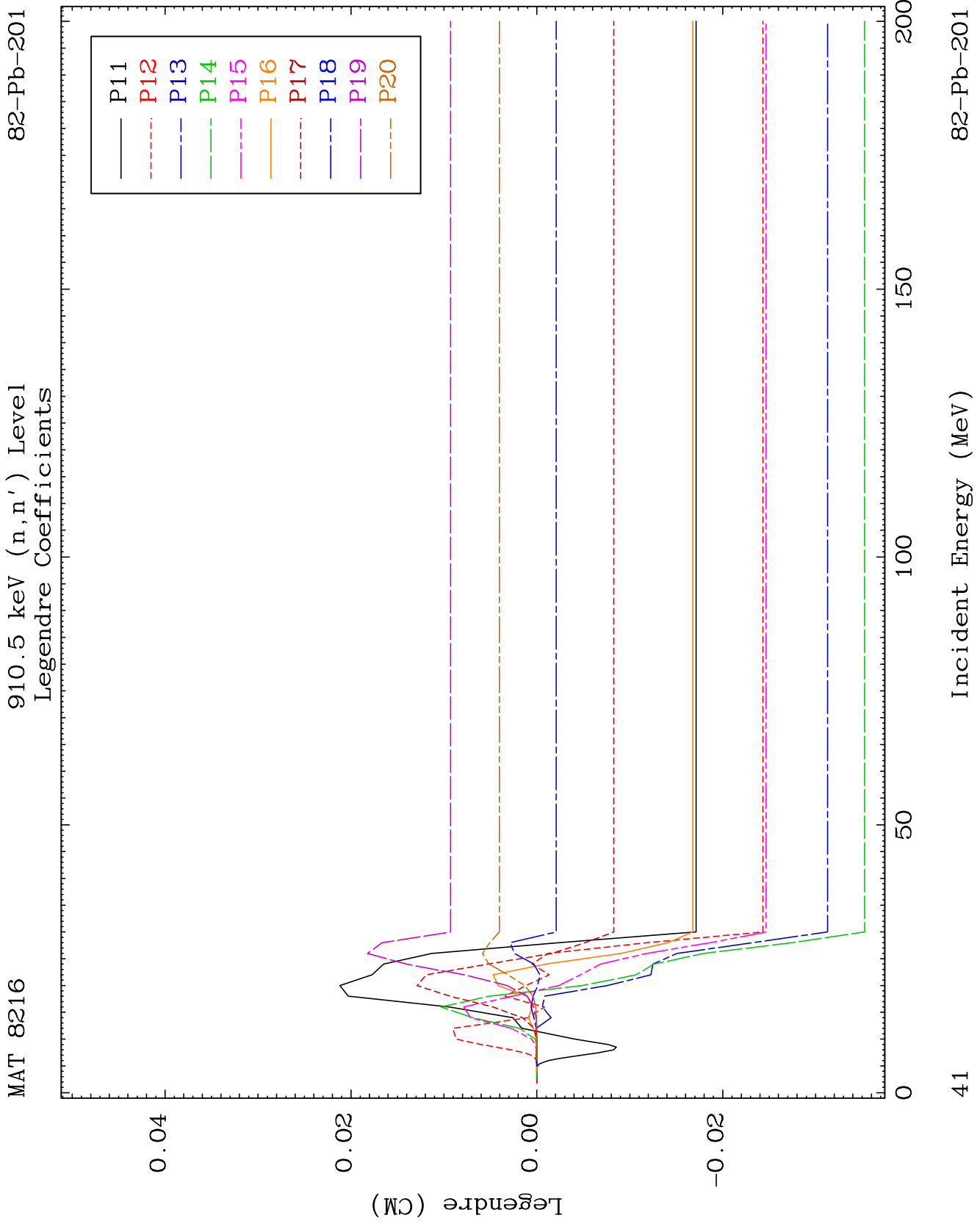
82-Pb-201



82-Pb-201

Incident Energy (MeV)

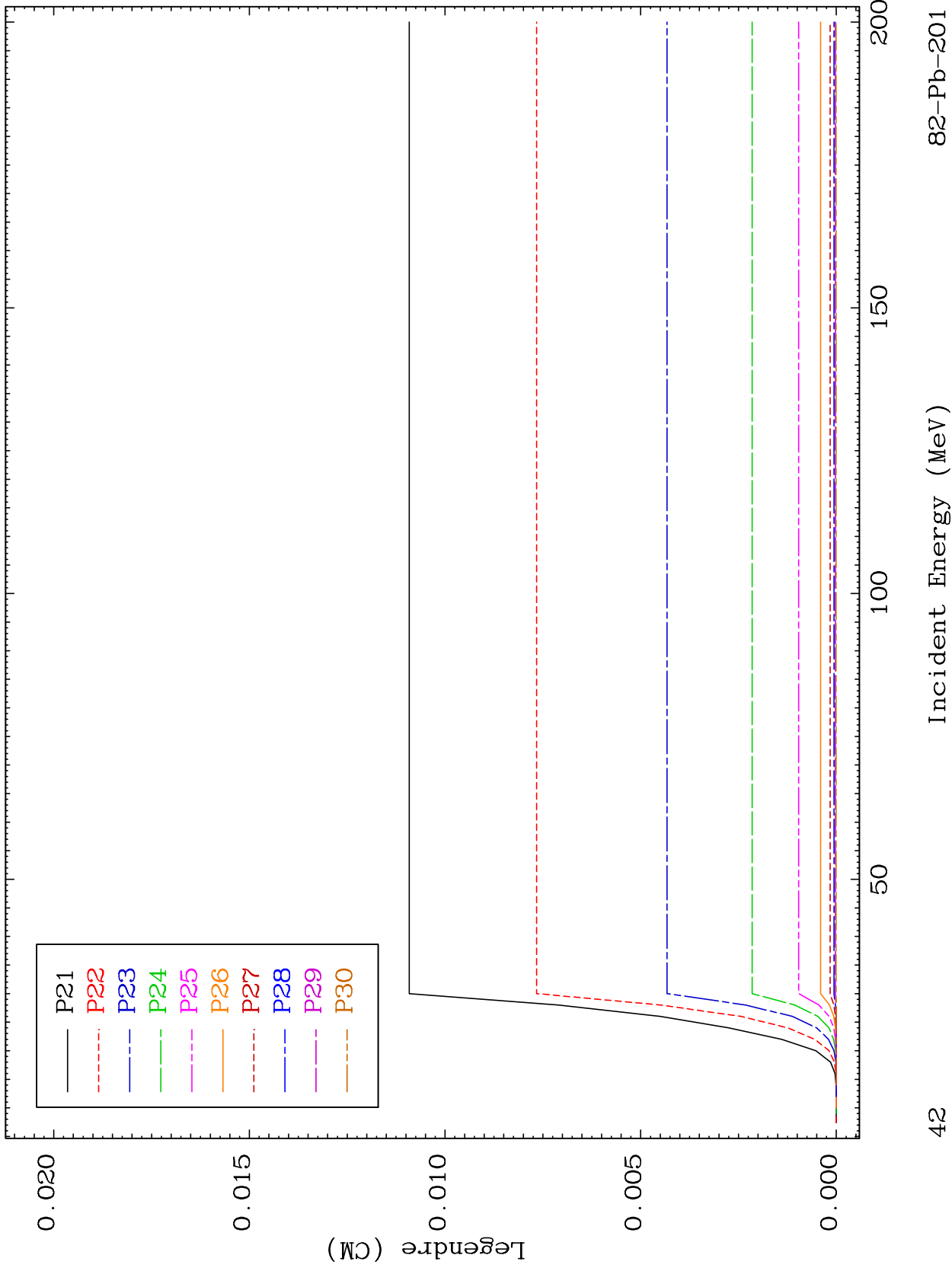
40



MAT 8216

910.5 keV (n,n') Level  
Legendre Coefficients

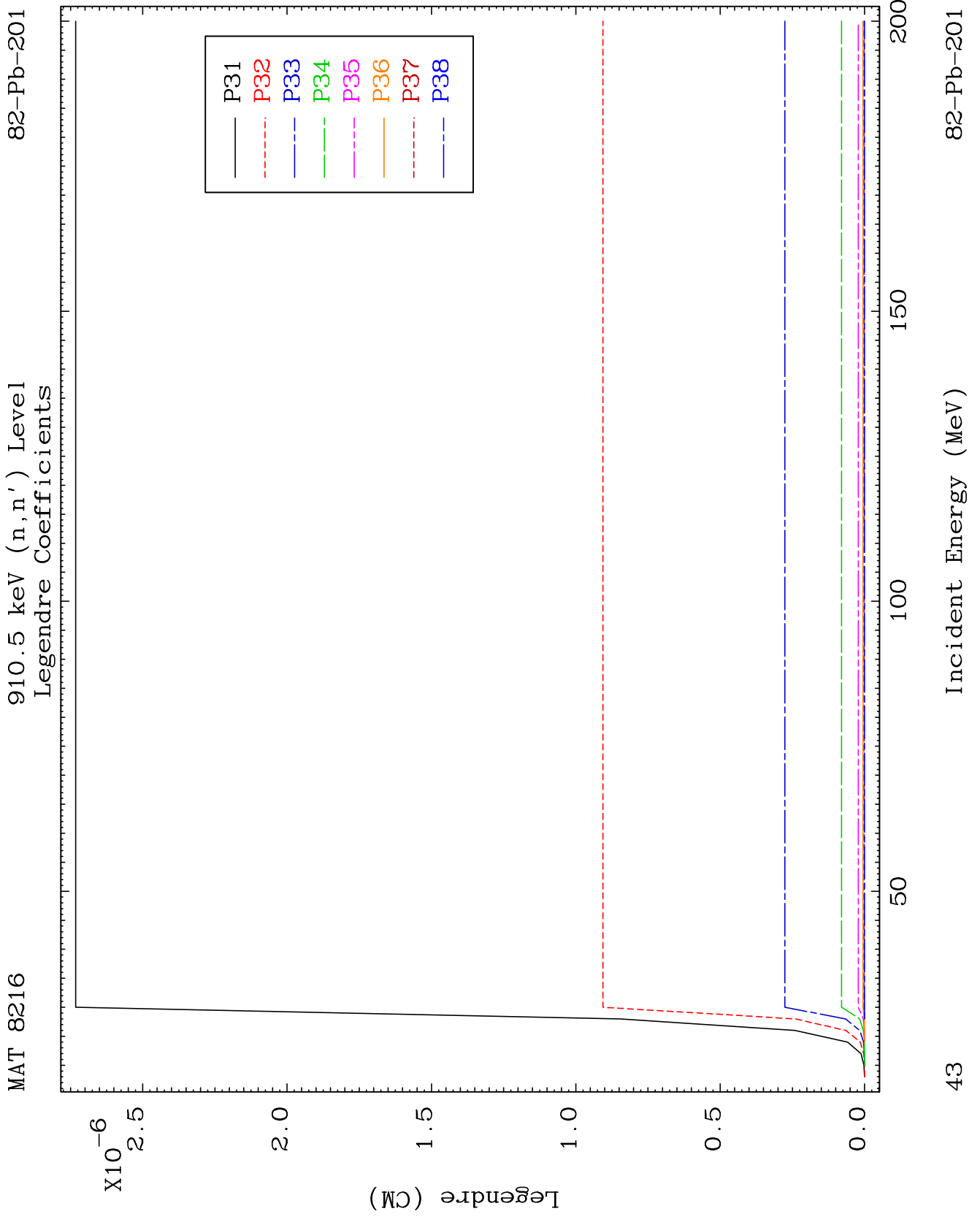
82-Pb-201

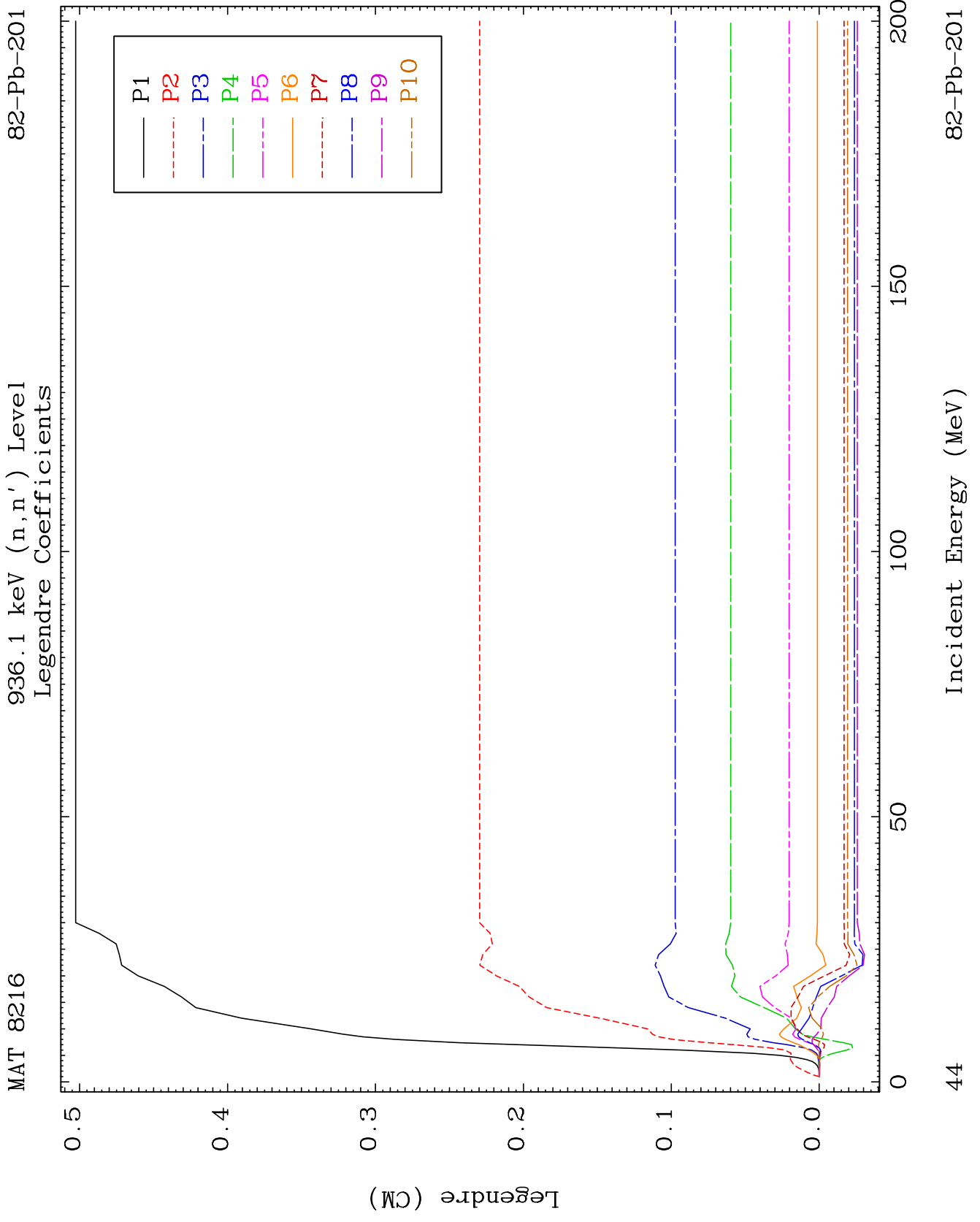


42

Incident Energy (MeV)

82-Pb-201

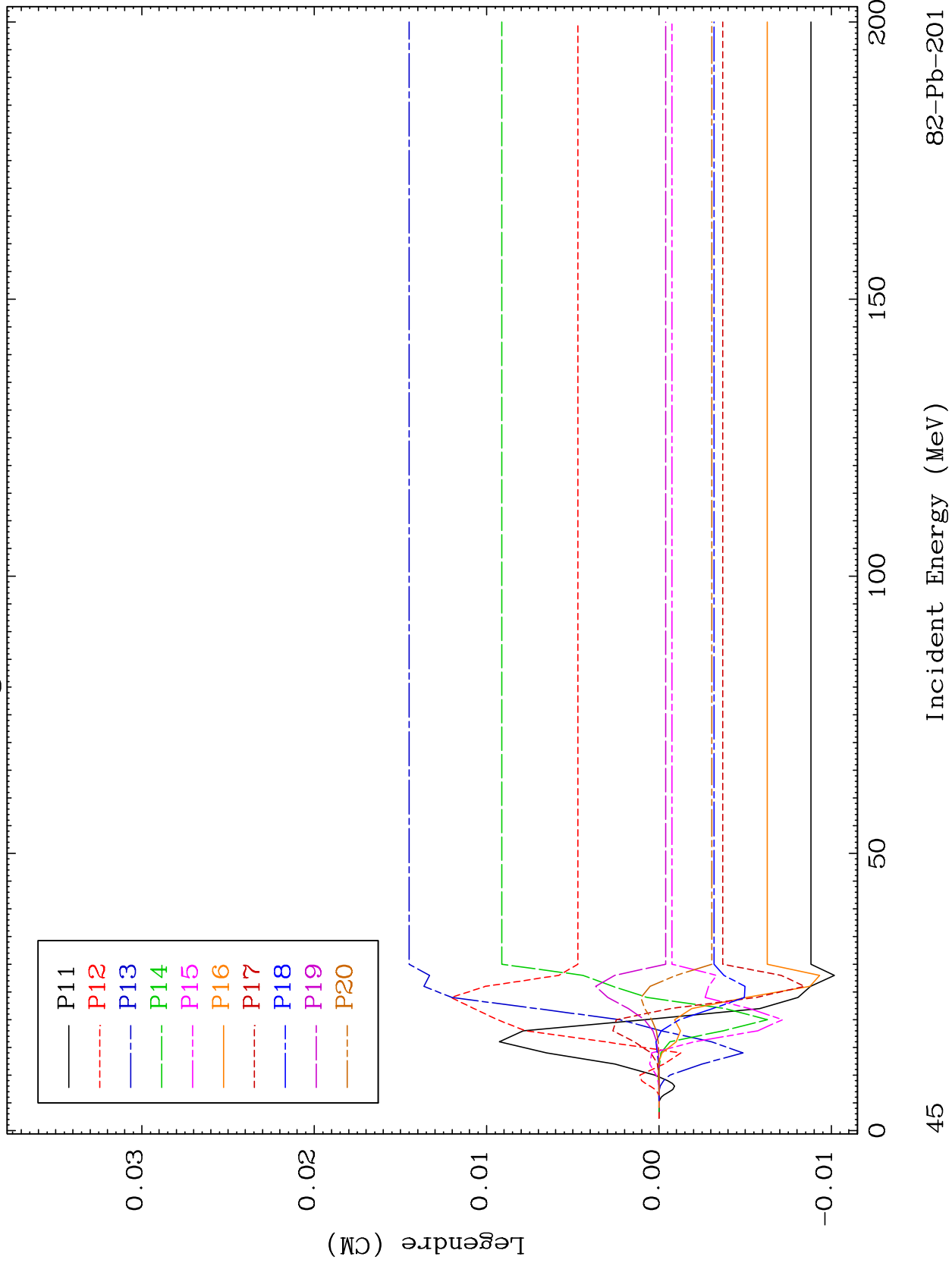




MAT 8216

936.1 keV (n,n') Level  
Legendre Coefficients

82-Pb-201



82-Pb-201

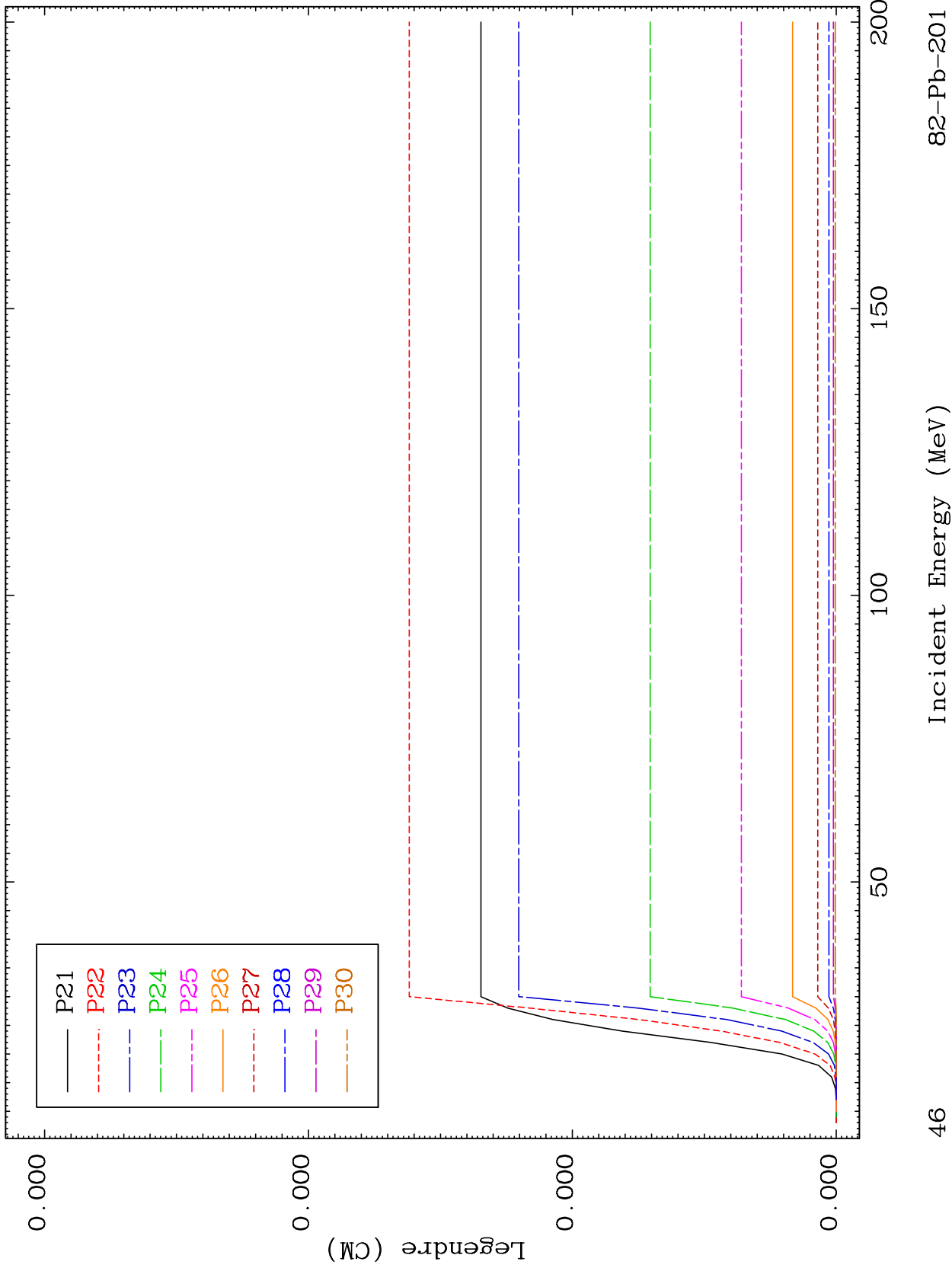
Incident Energy (MeV)

45

MAT 8216

936.1 keV (n,n') Level  
Legendre Coefficients

82-Pb-201

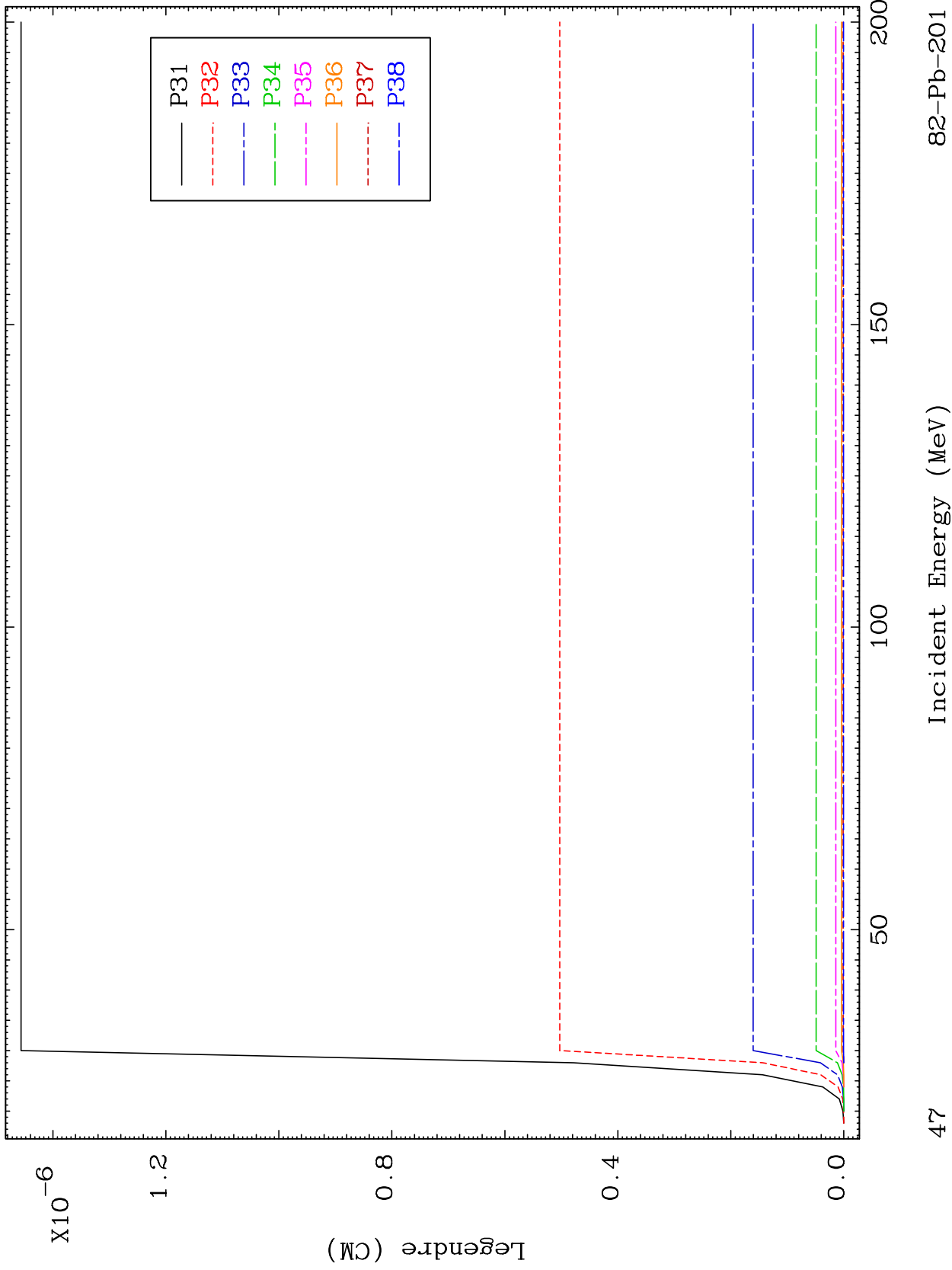


46

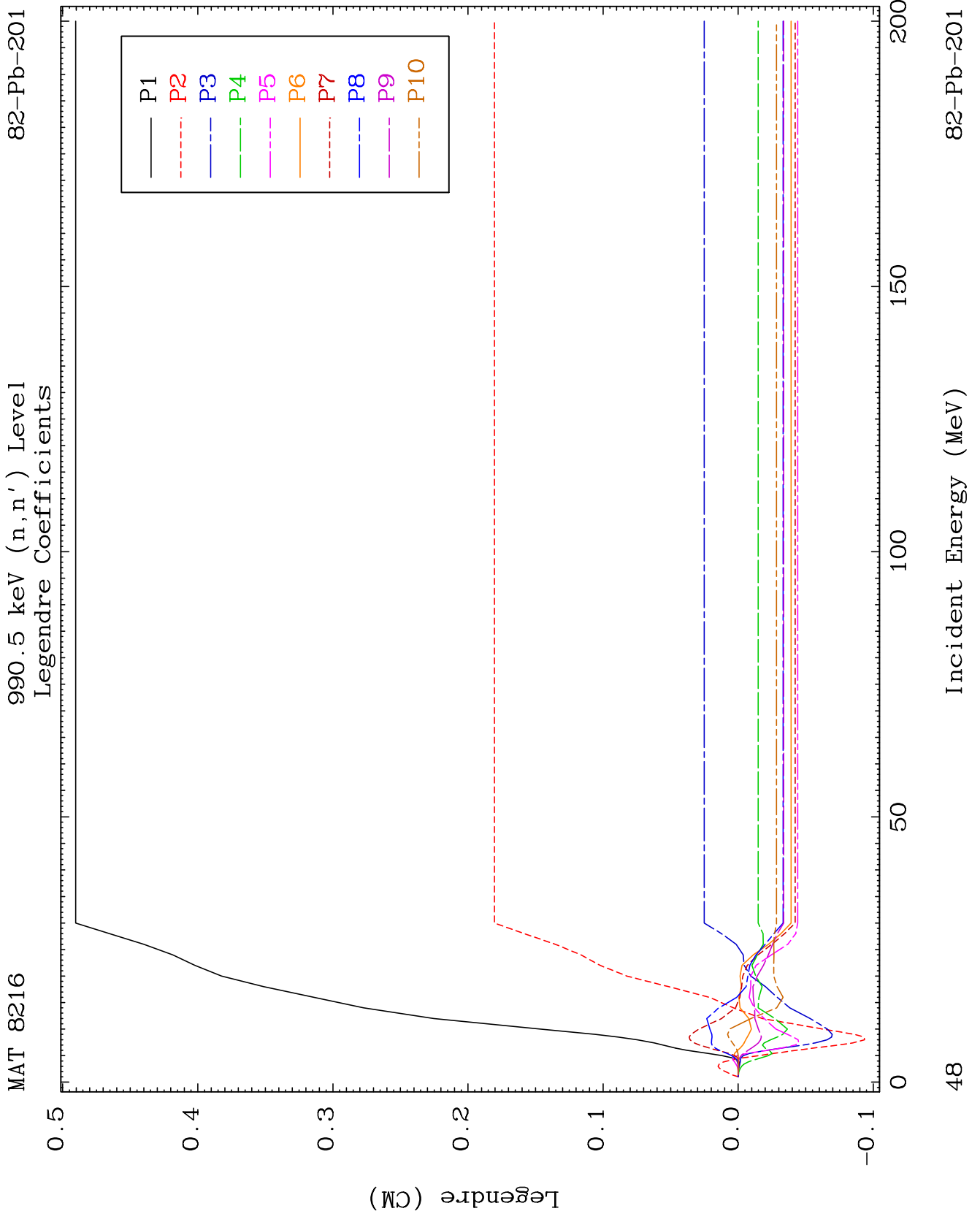
MAT 8216

936.1 keV (n,n') Level  
Legendre Coefficients

82-Pb-201



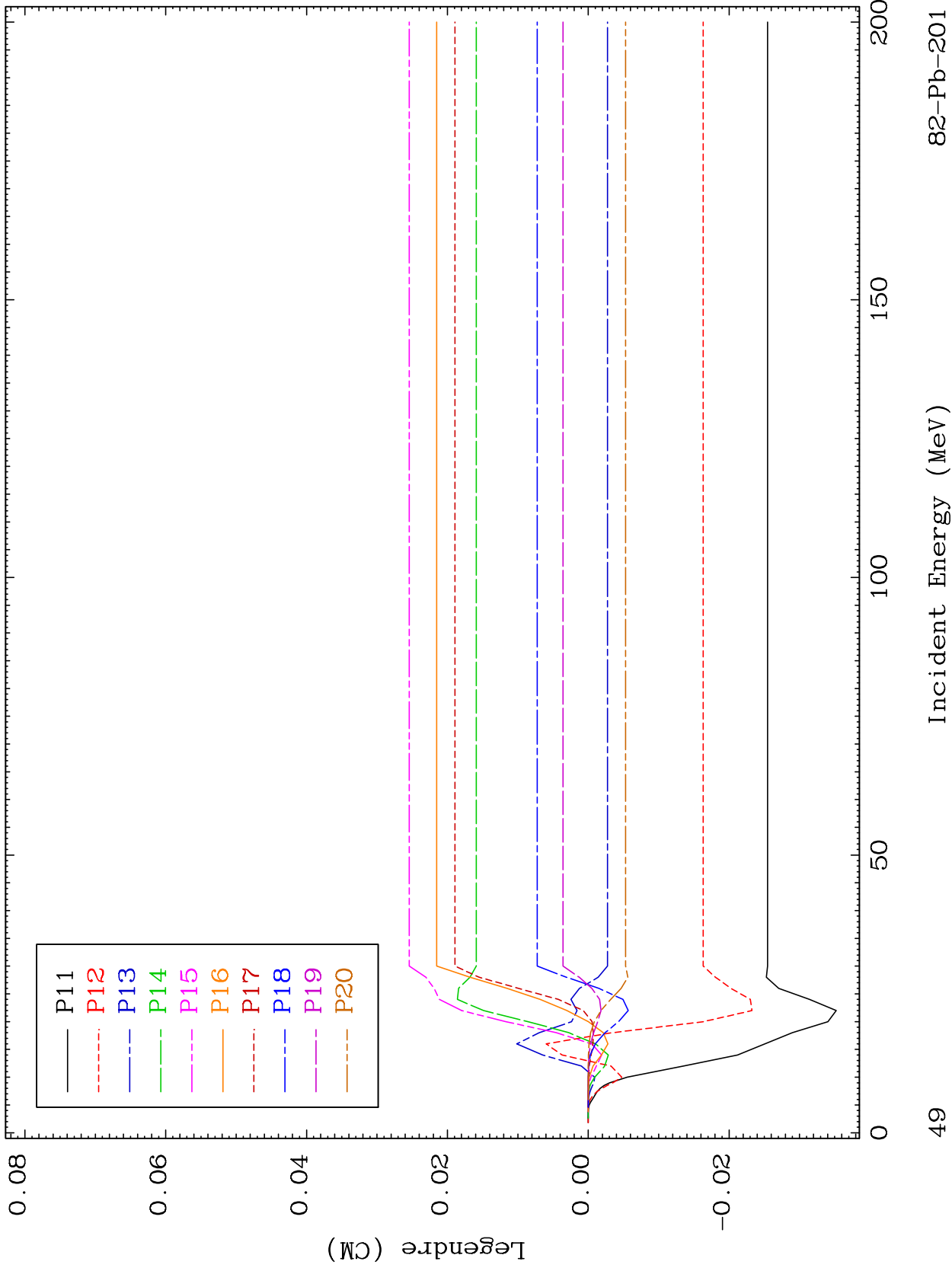




MAT 8216

990.5 keV (n,n') Level  
Legendre Coefficients

82-Pb-201



49

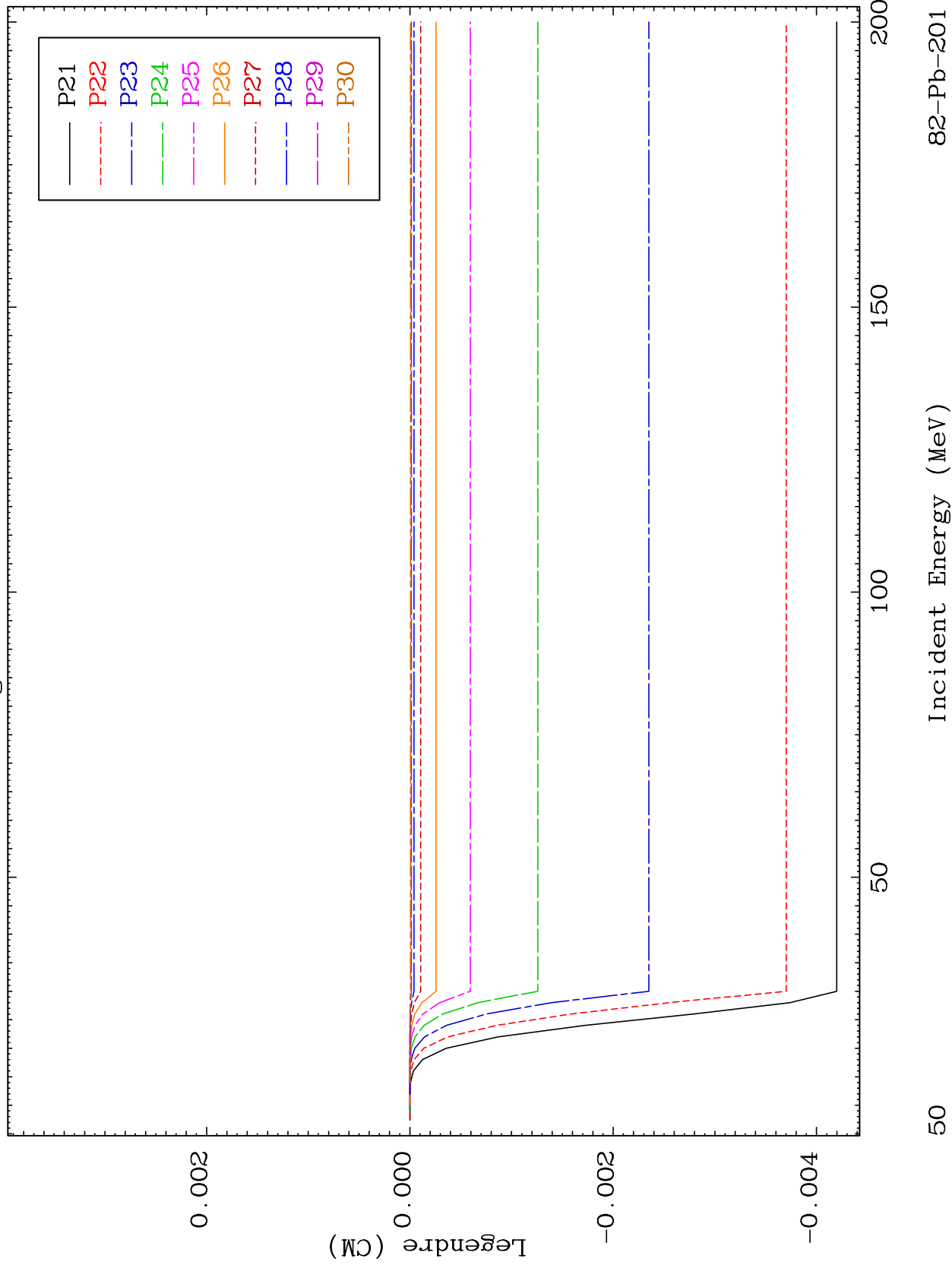
Incident Energy (MeV)

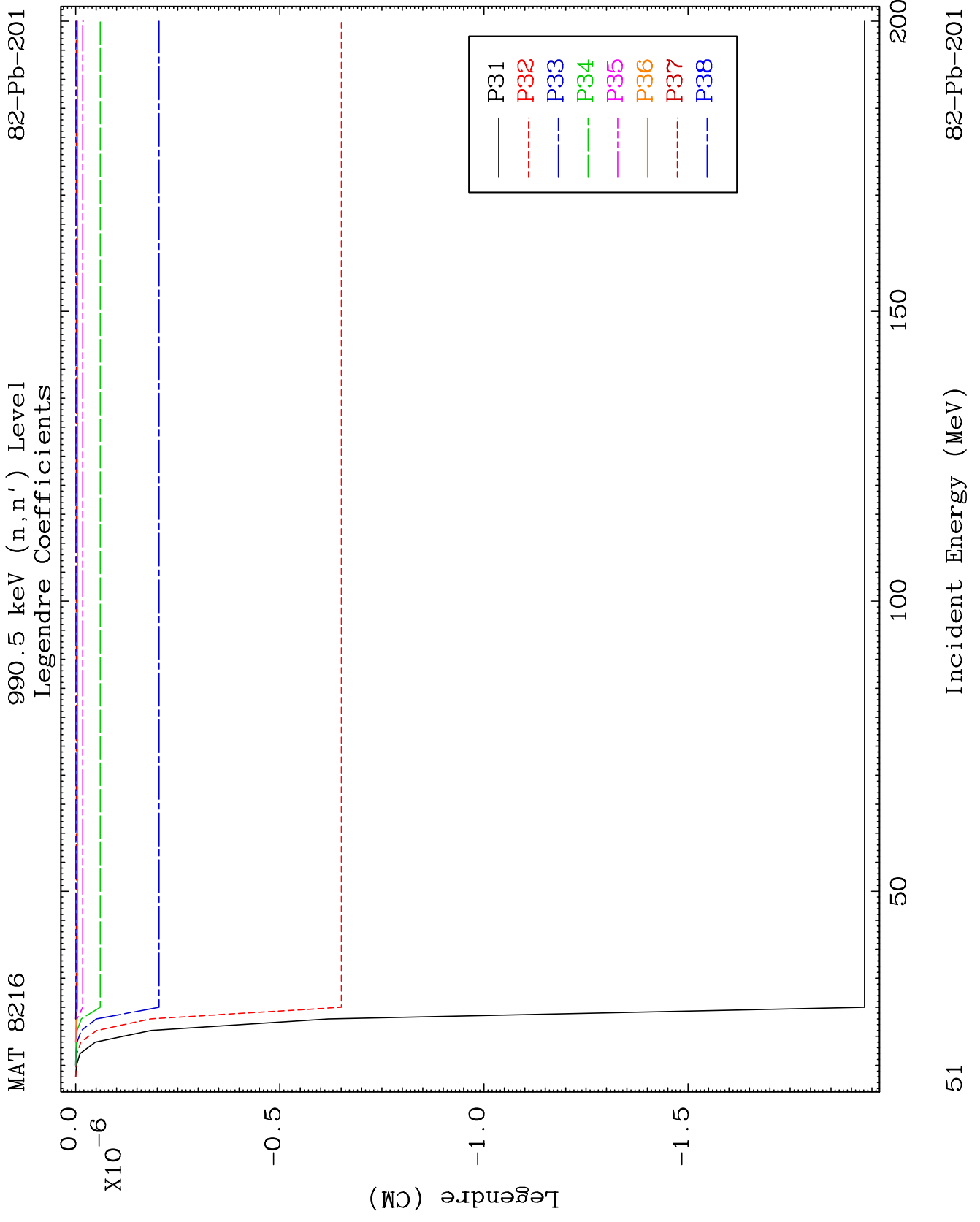
82-Pb-201

MAT 8216

990.5 keV (n,n') Level  
Legendre Coefficients

82-Pb-201

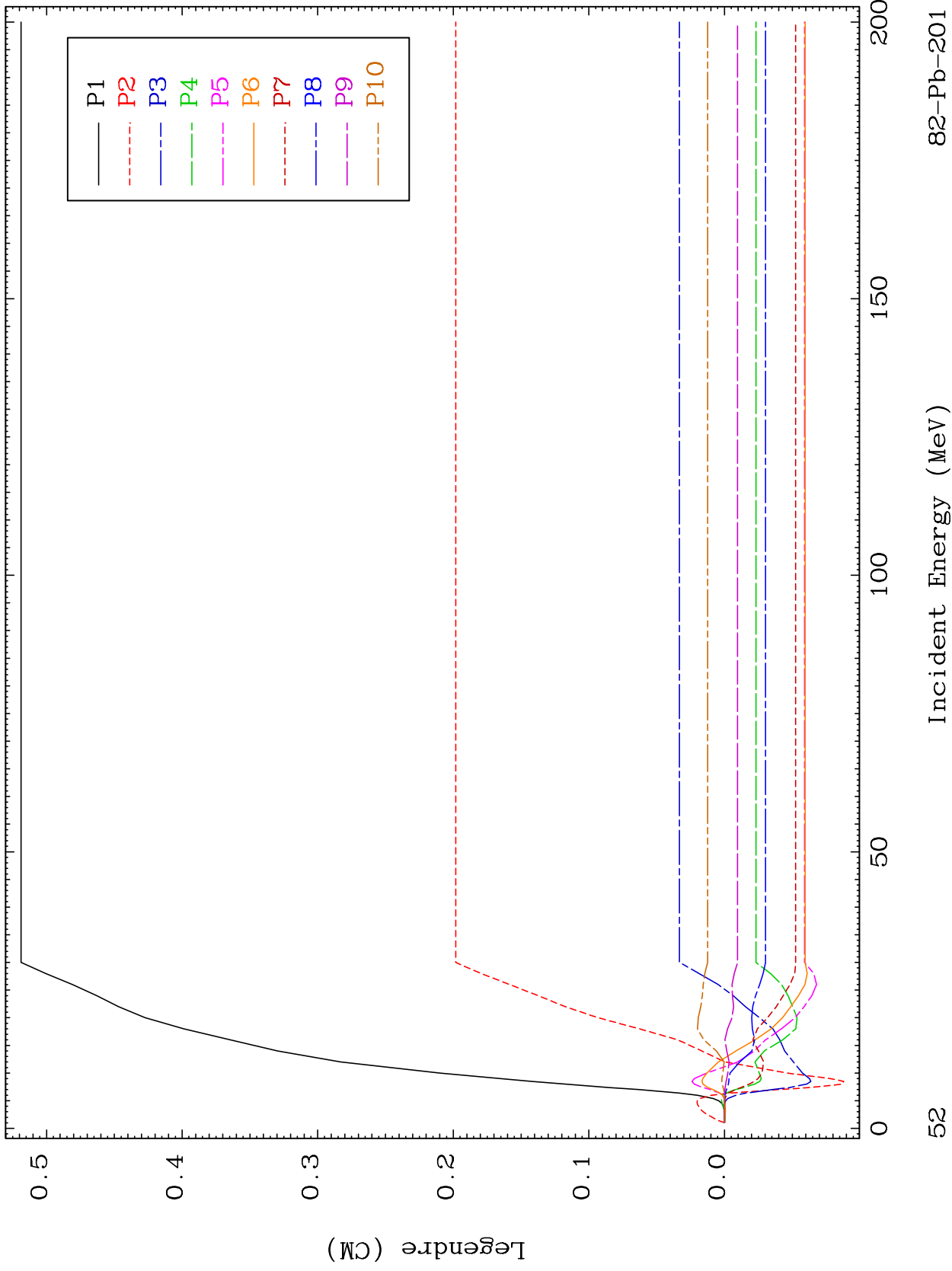




MAT 8216

1.014 MeV (n,n') Level  
Legendre Coefficients

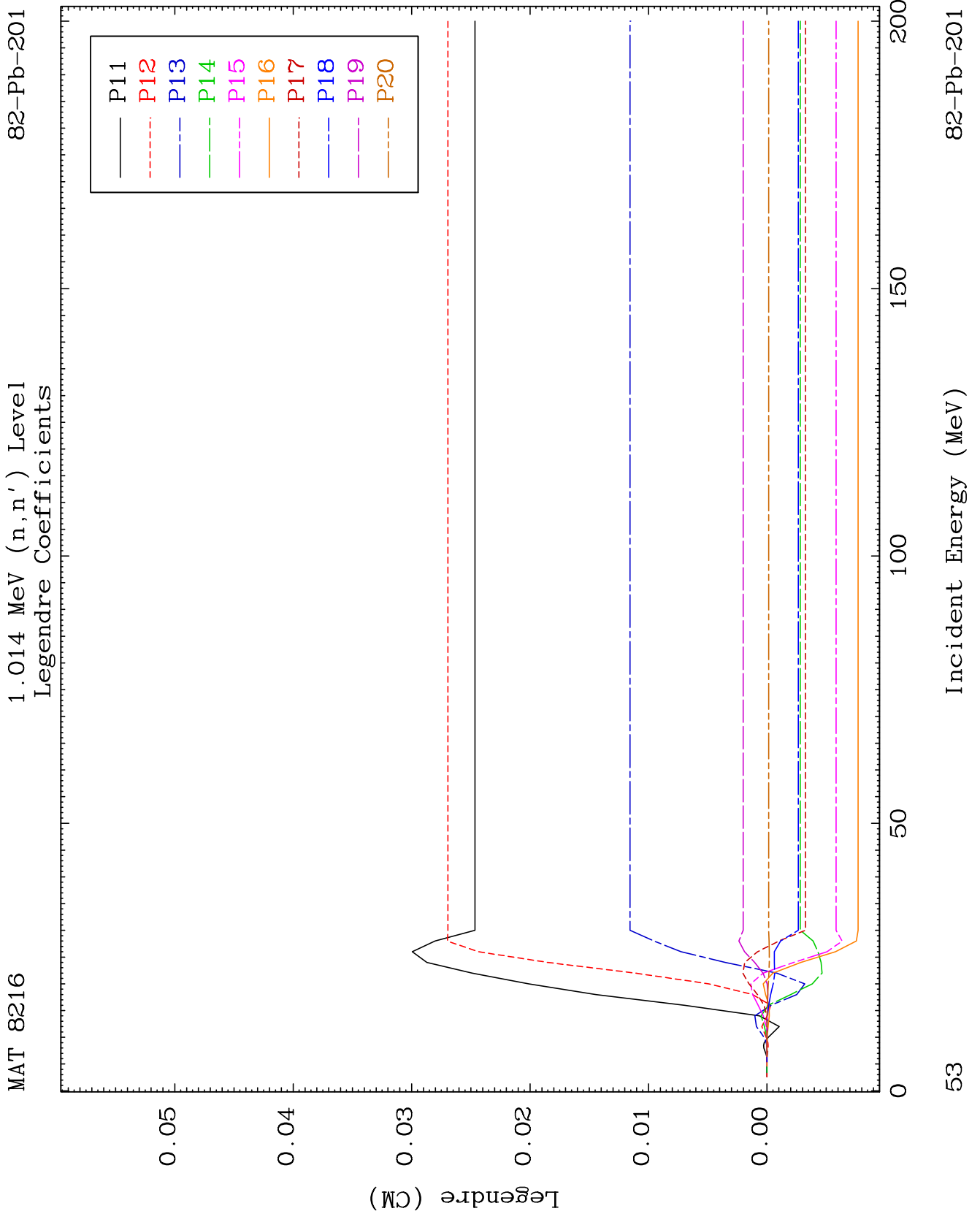
82-Pb-201

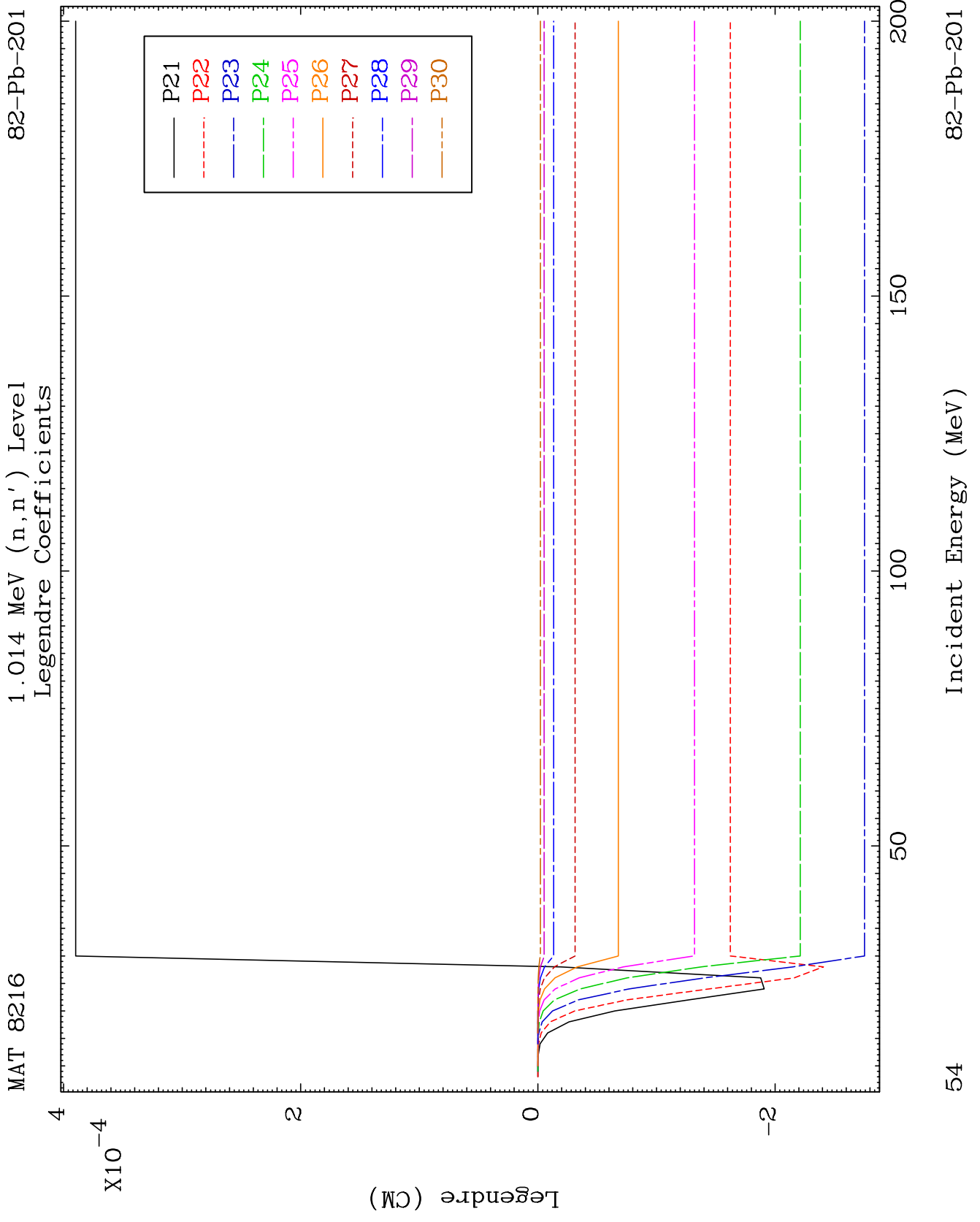


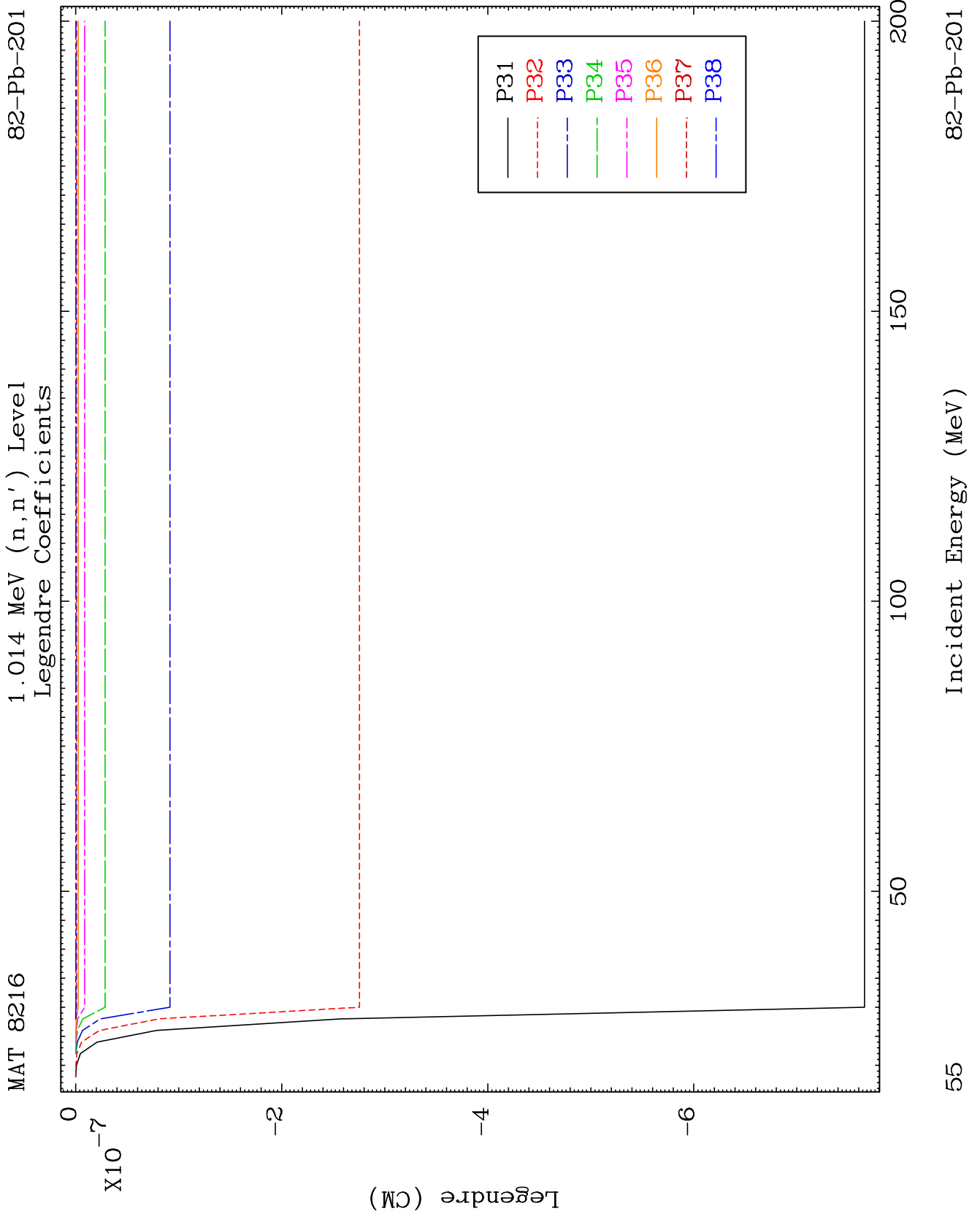
52

Incident Energy (MeV)

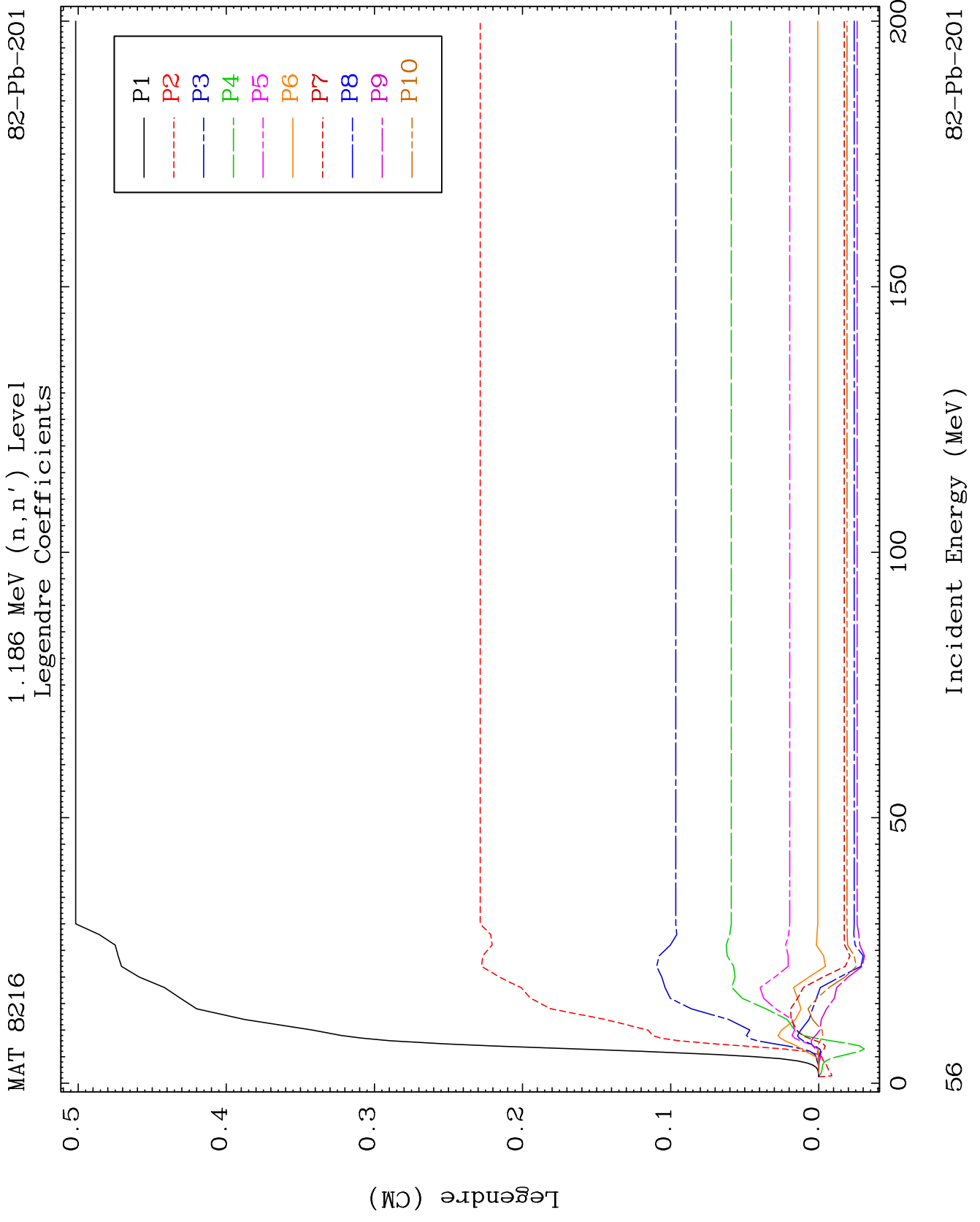
82-Pb-201







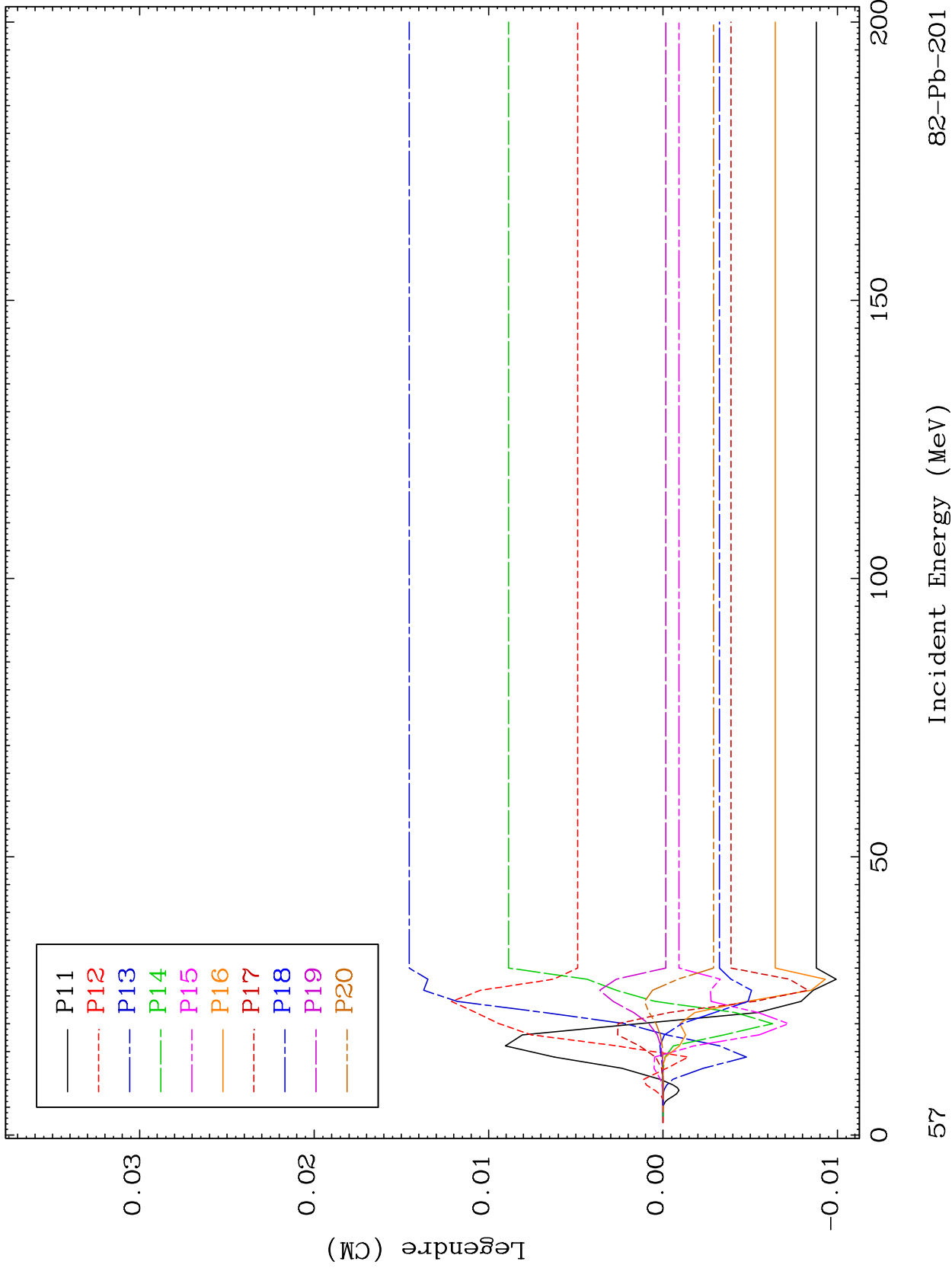




MAT 8216

1.186 MeV (n,n') Level  
Legendre Coefficients

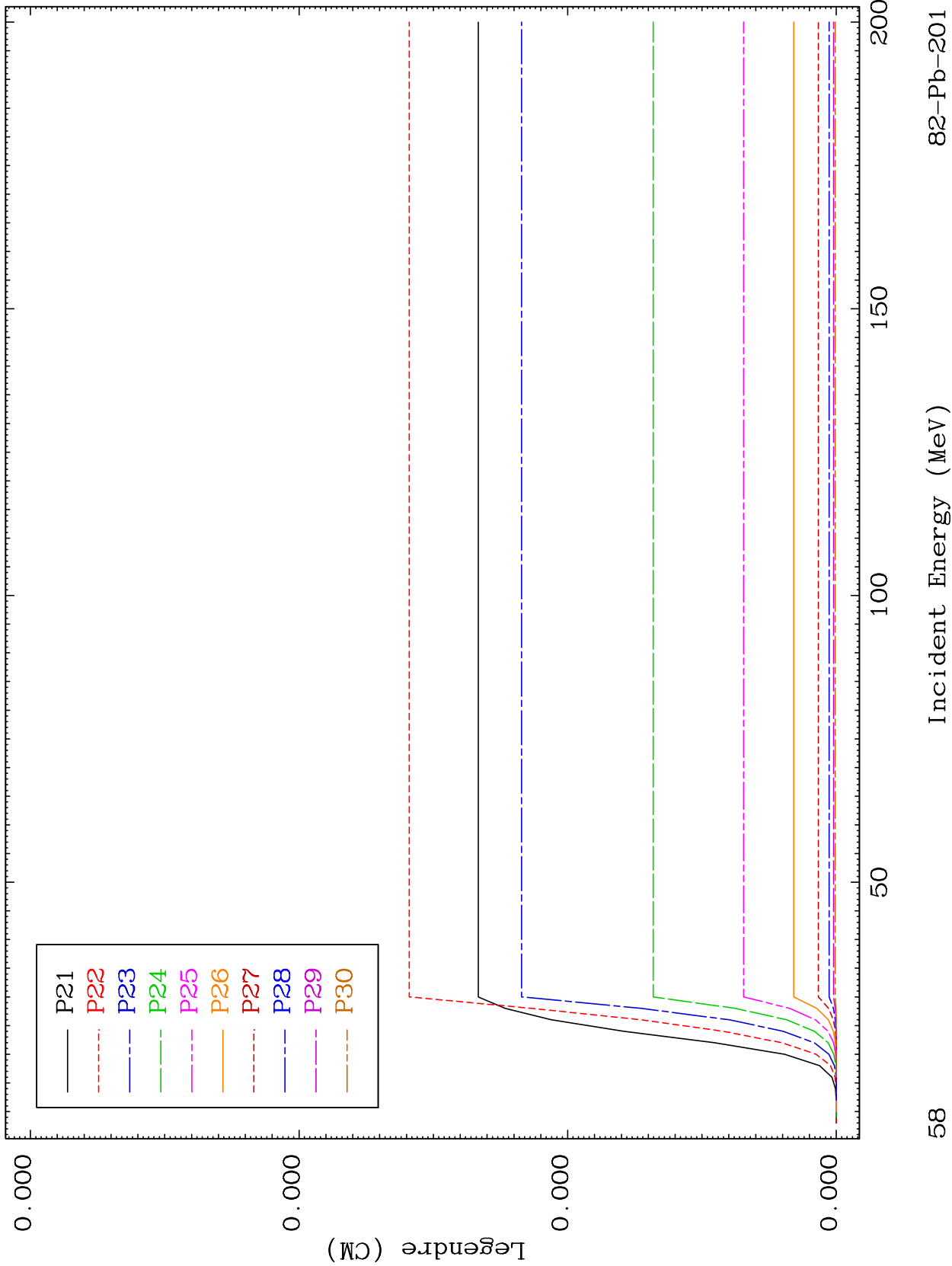
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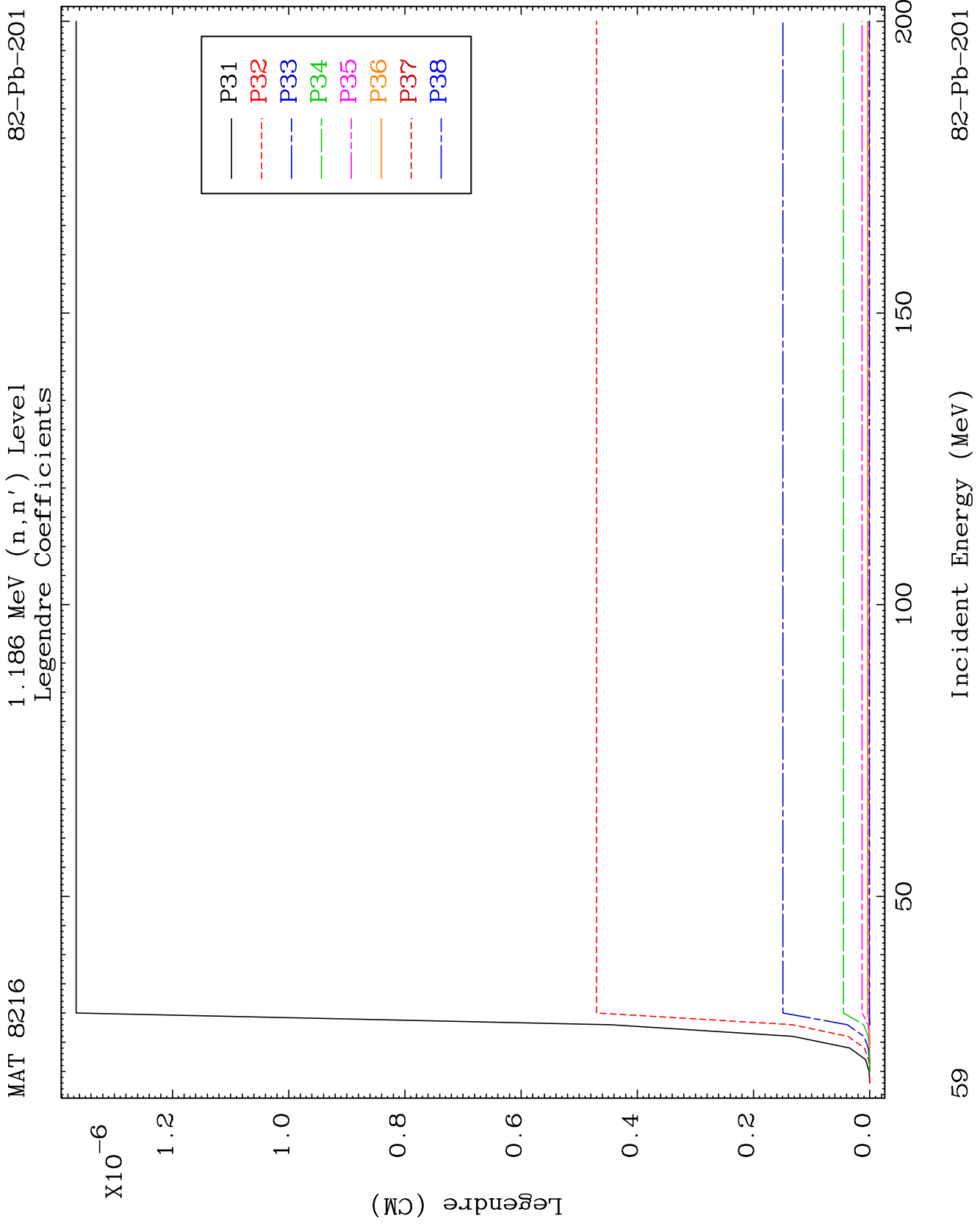


57

Incident Energy (MeV)

82-Pb-201



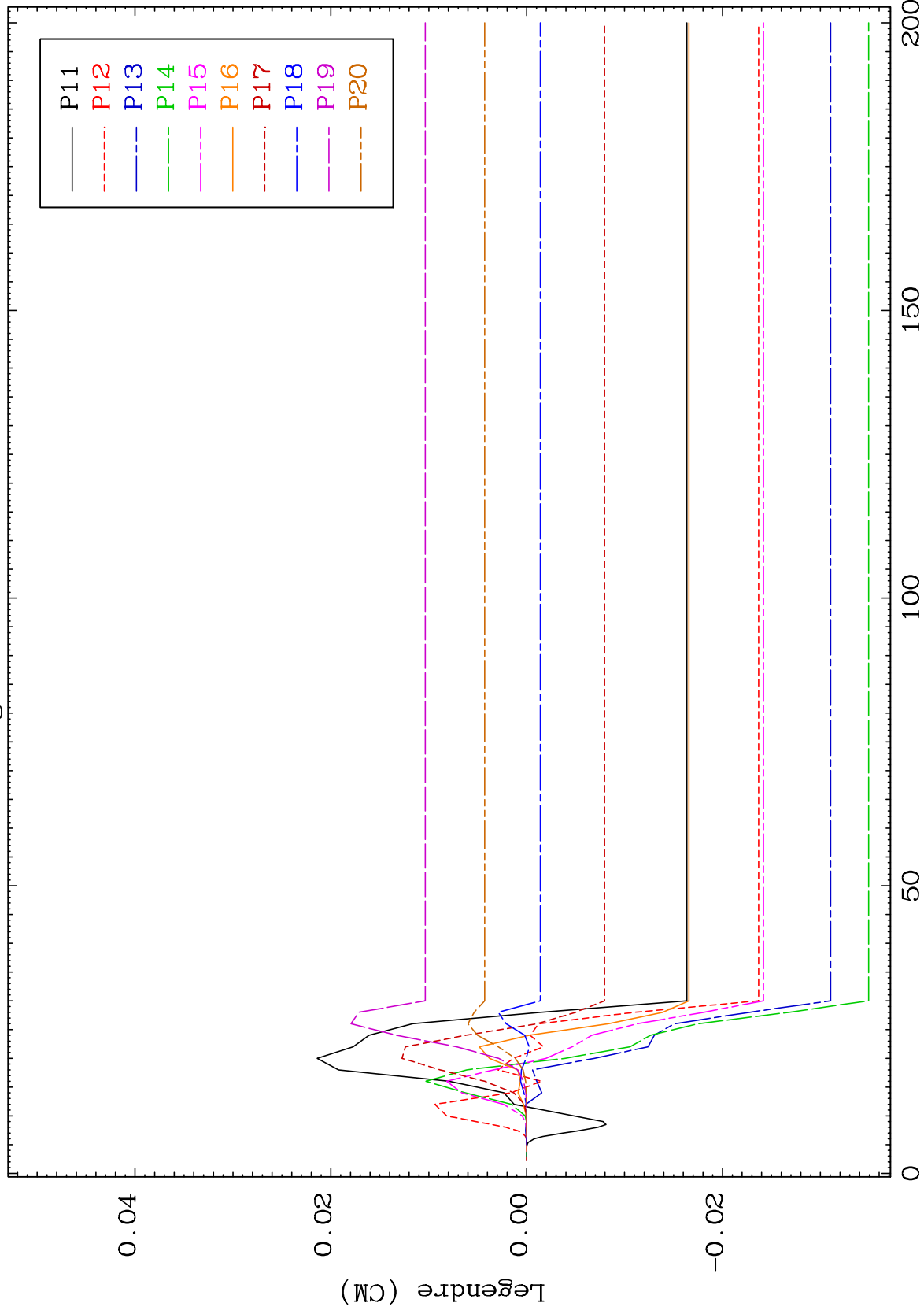




MAT 8216

1.325 MeV (n,n') Level  
Legendre Coefficients

82-Pb-201



61

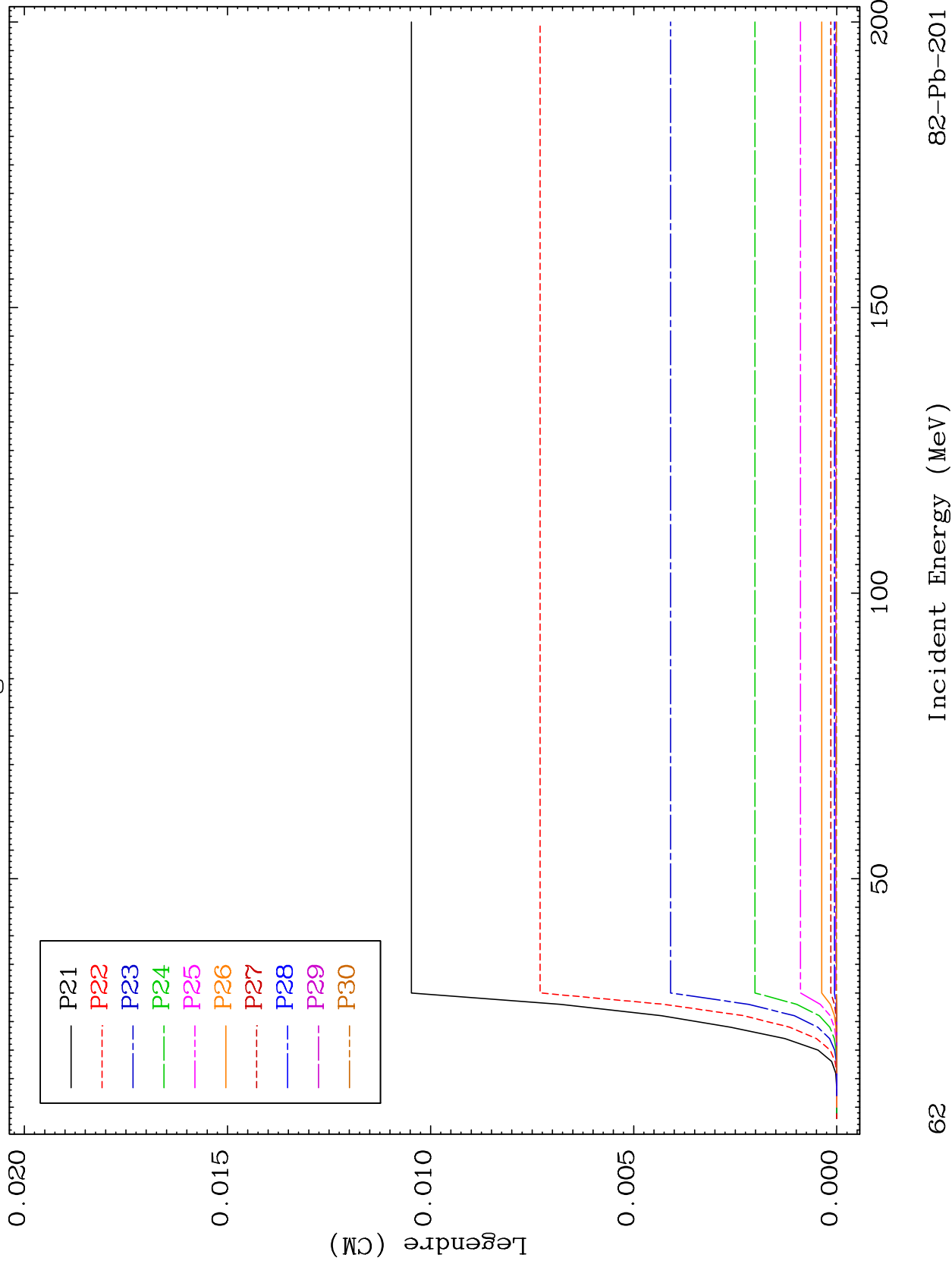
Incident Energy (MeV)

82-Pb-201

MAT 8216

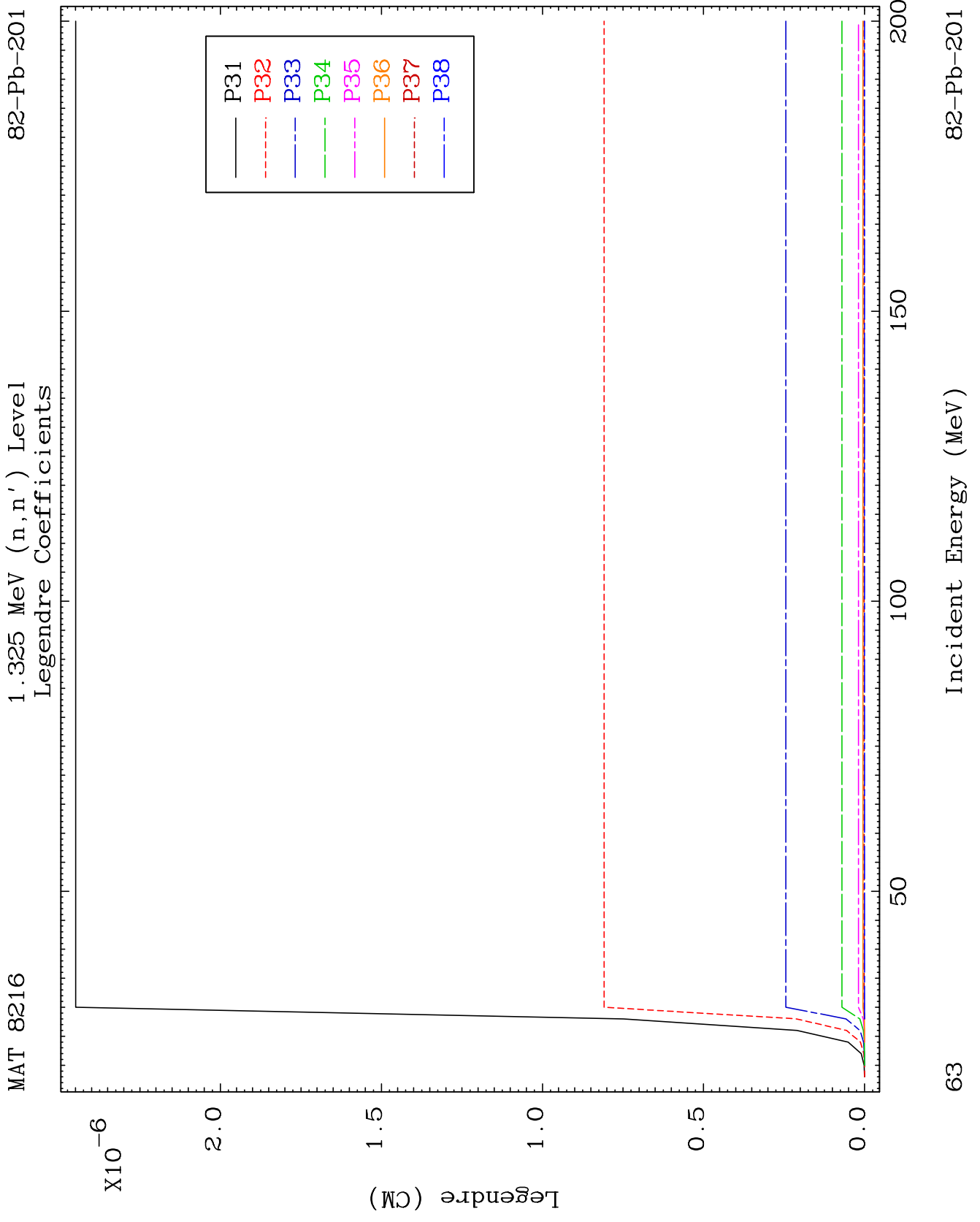
1.325 MeV (n,n') Level  
Legendre Coefficients

82-Pb-201



62

82-Pb-201

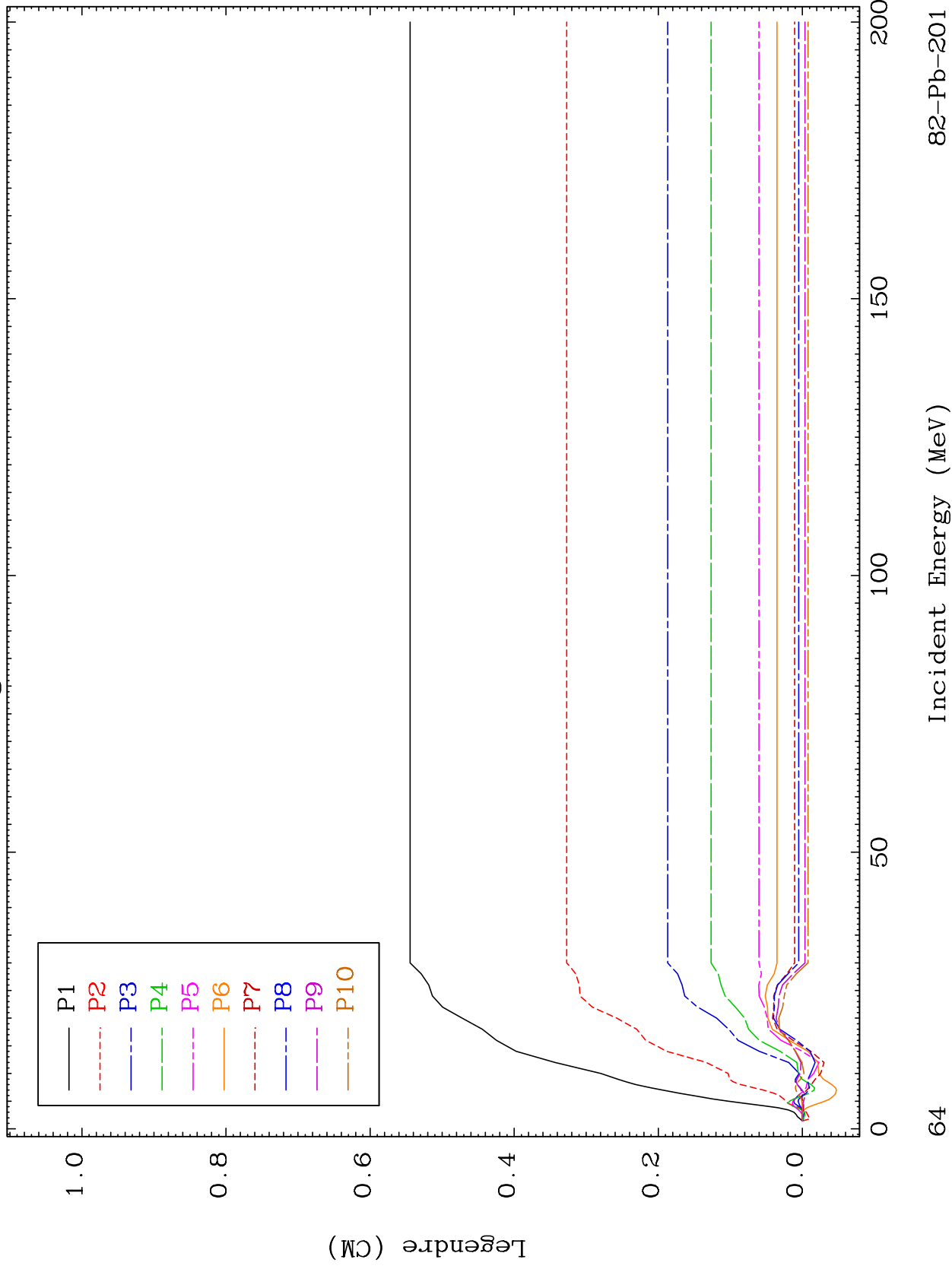




MAT 8216

1.415 MeV (n,n') Level  
Legendre Coefficients

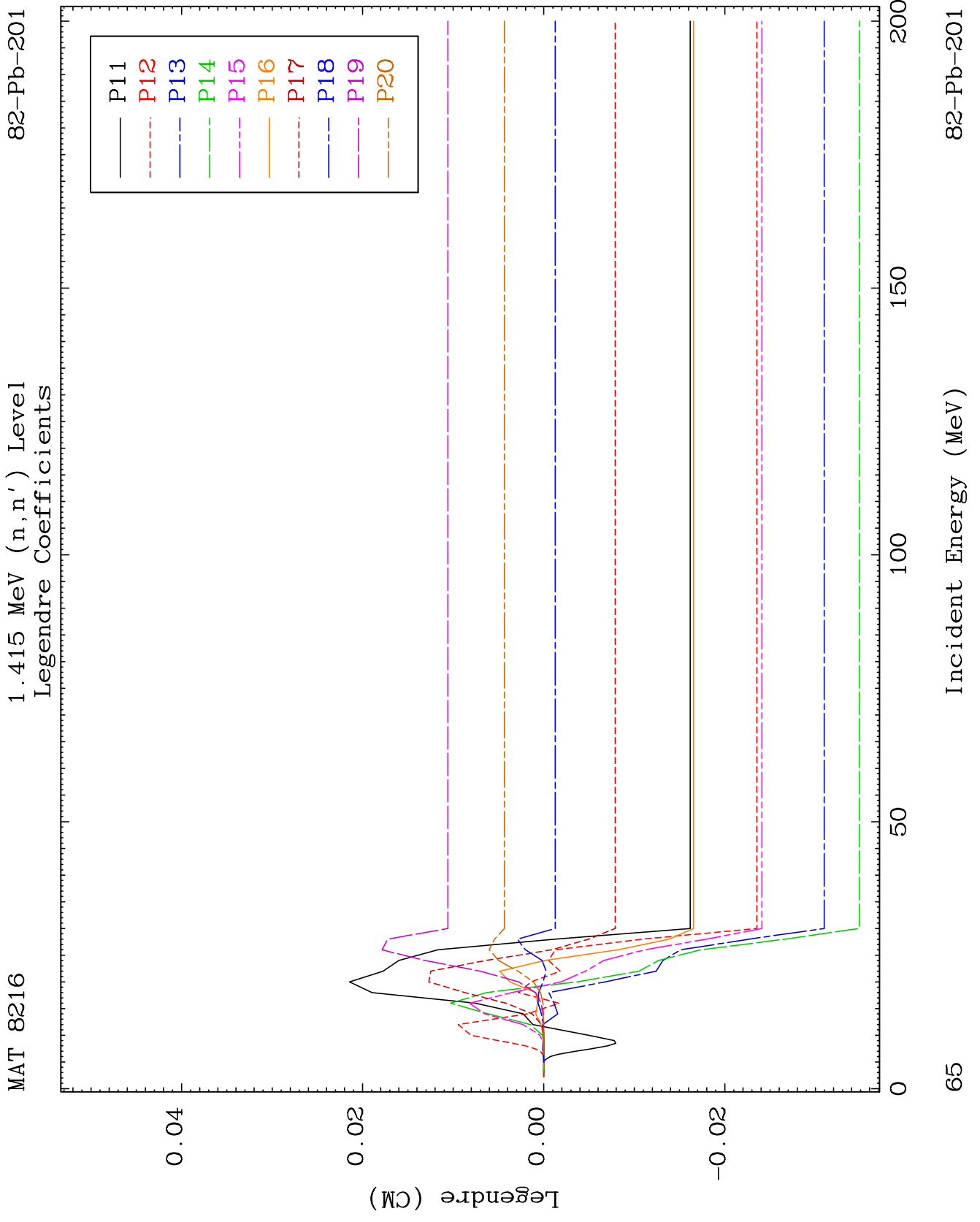
82-Pb-201

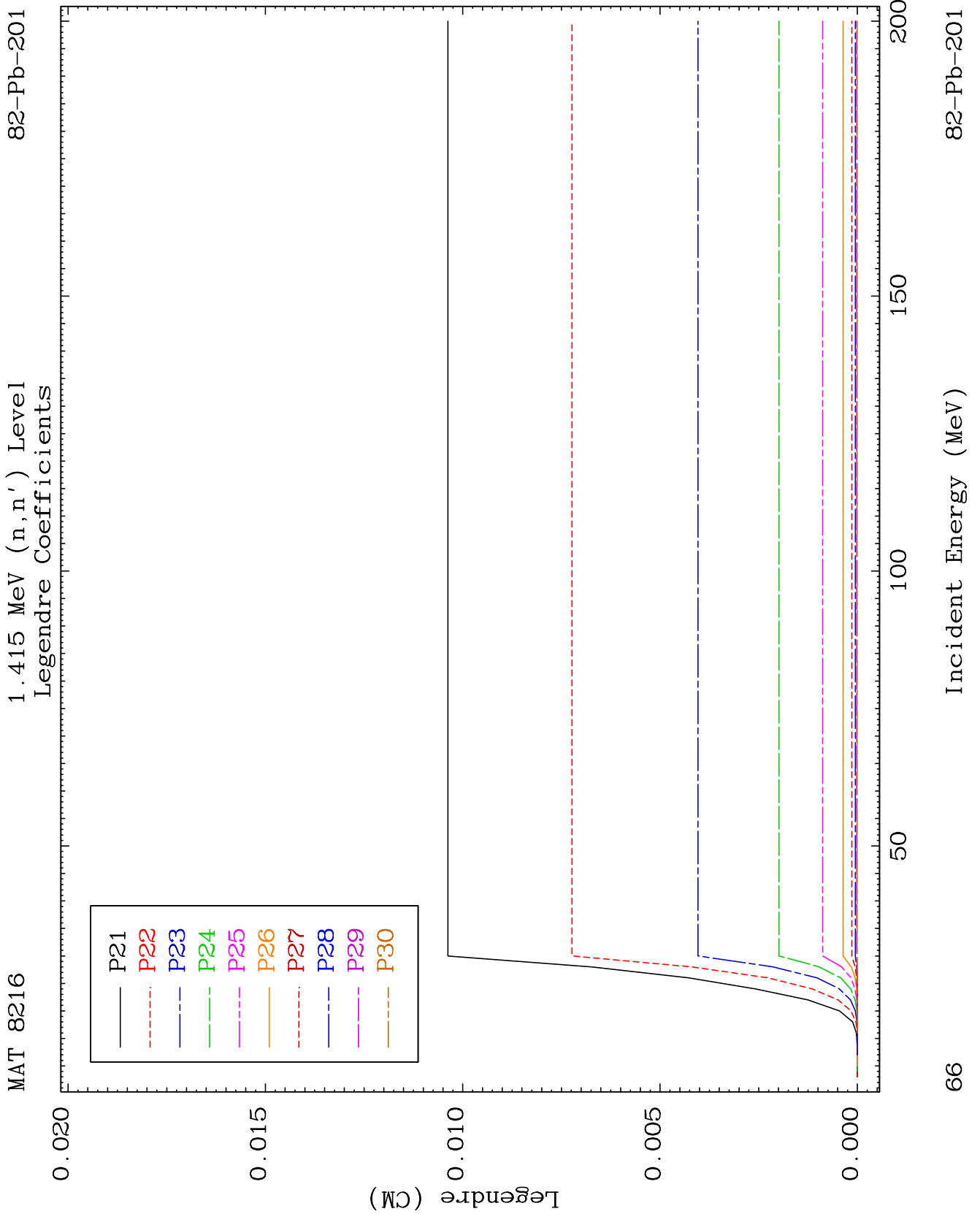


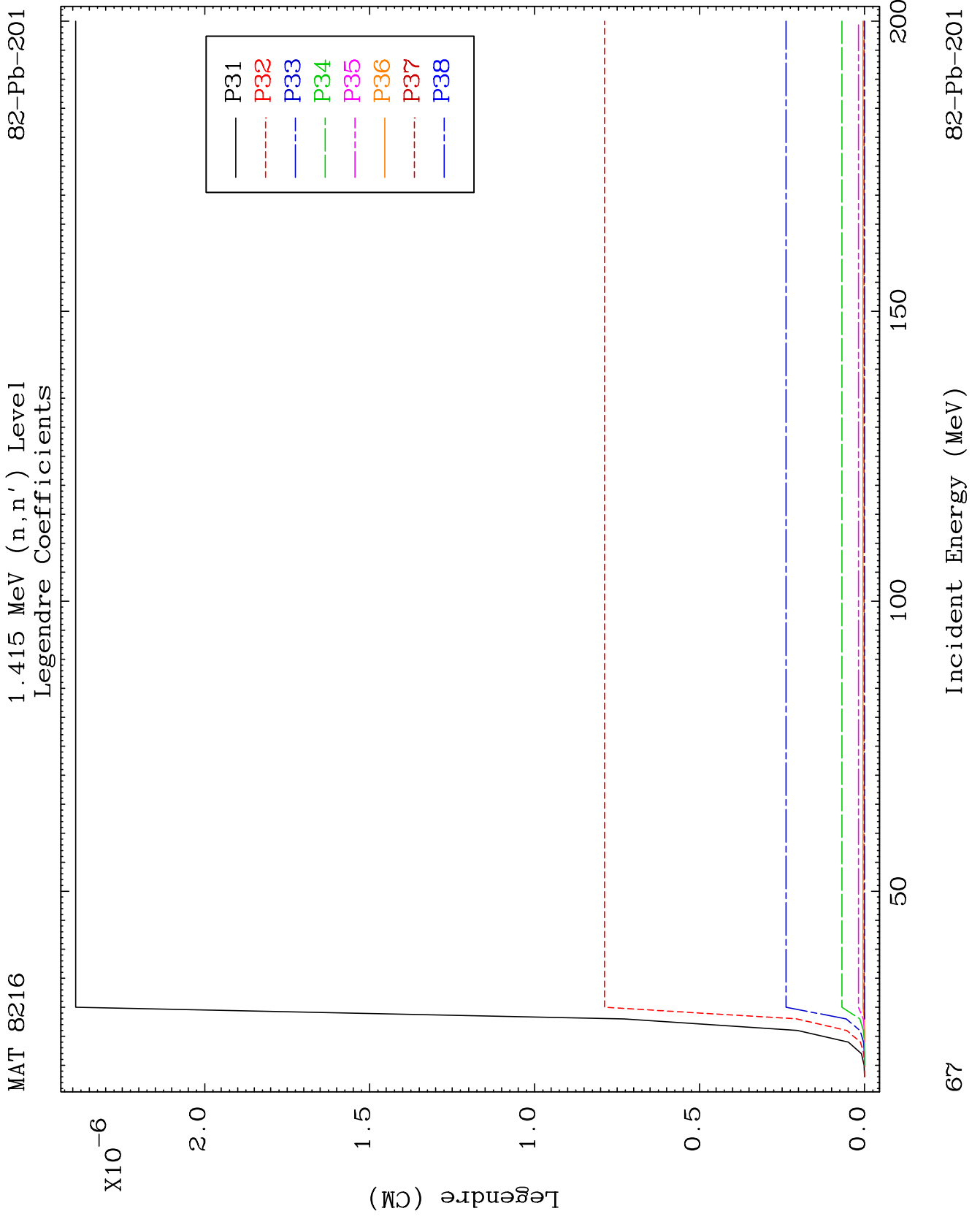
64

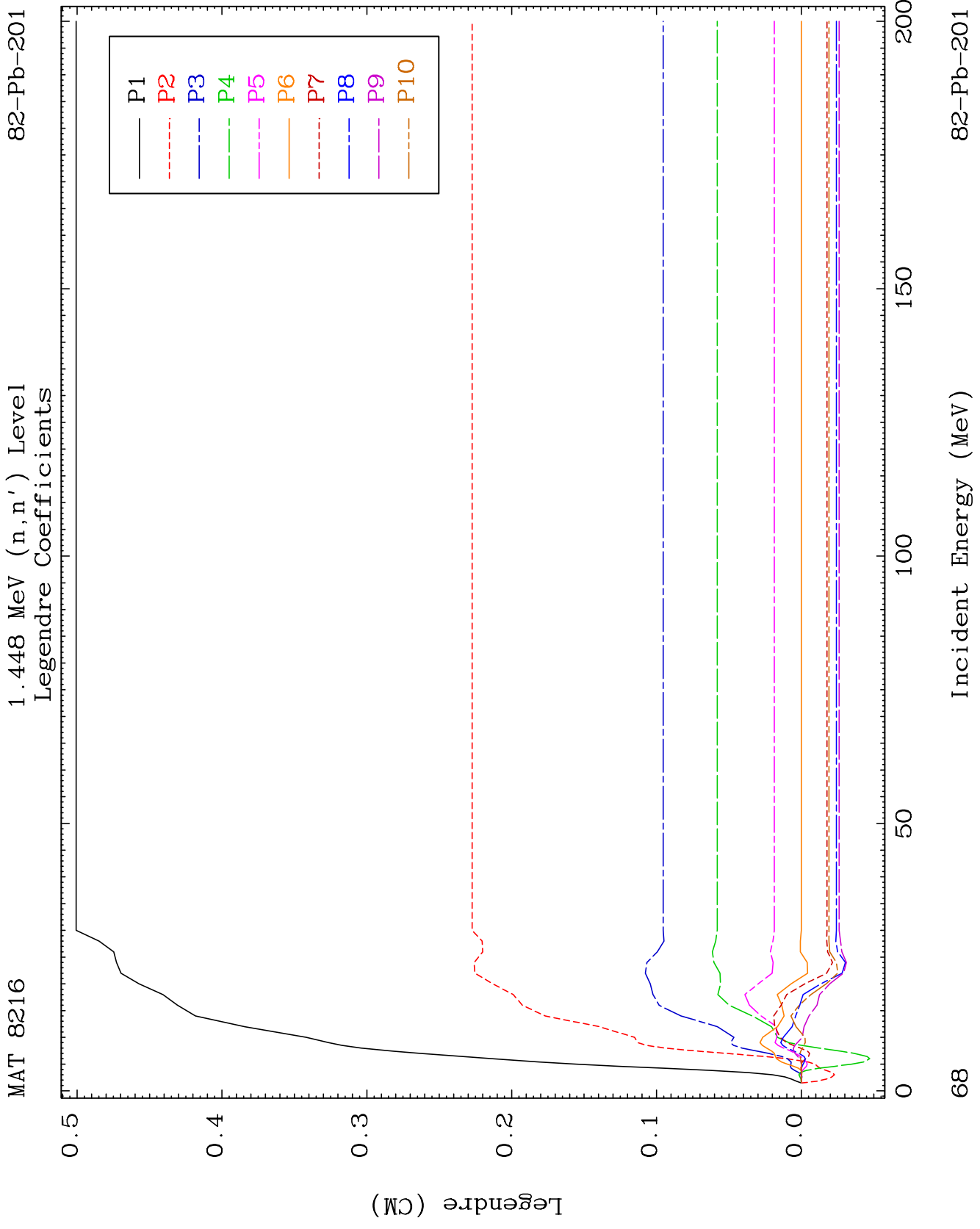
Incident Energy (MeV)

82-Pb-201





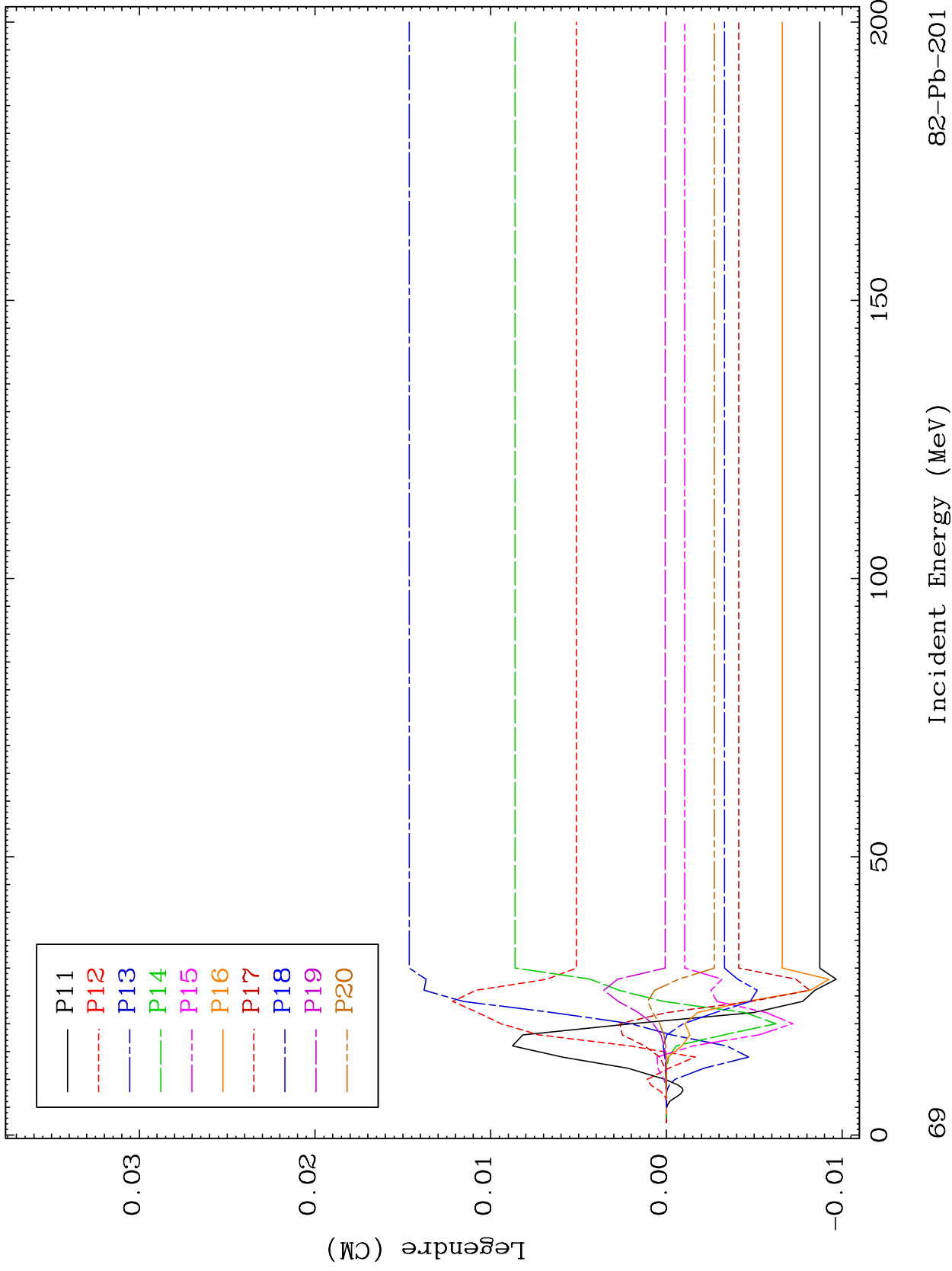




MAT 8216

1.448 MeV (n, n') Level  
Legendre Coefficients

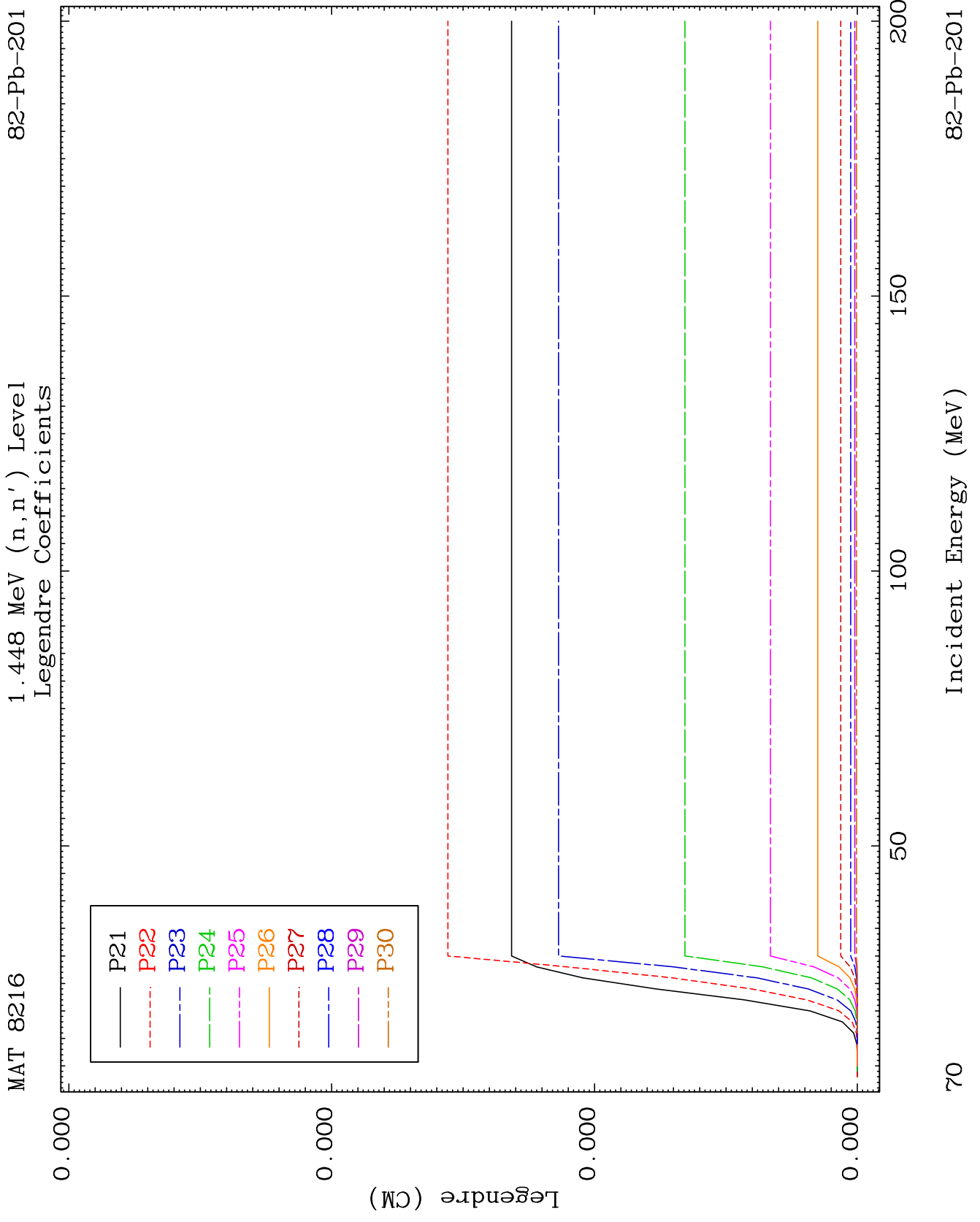
82-Pb-201



69

Incident Energy (MeV)

82-Pb-201



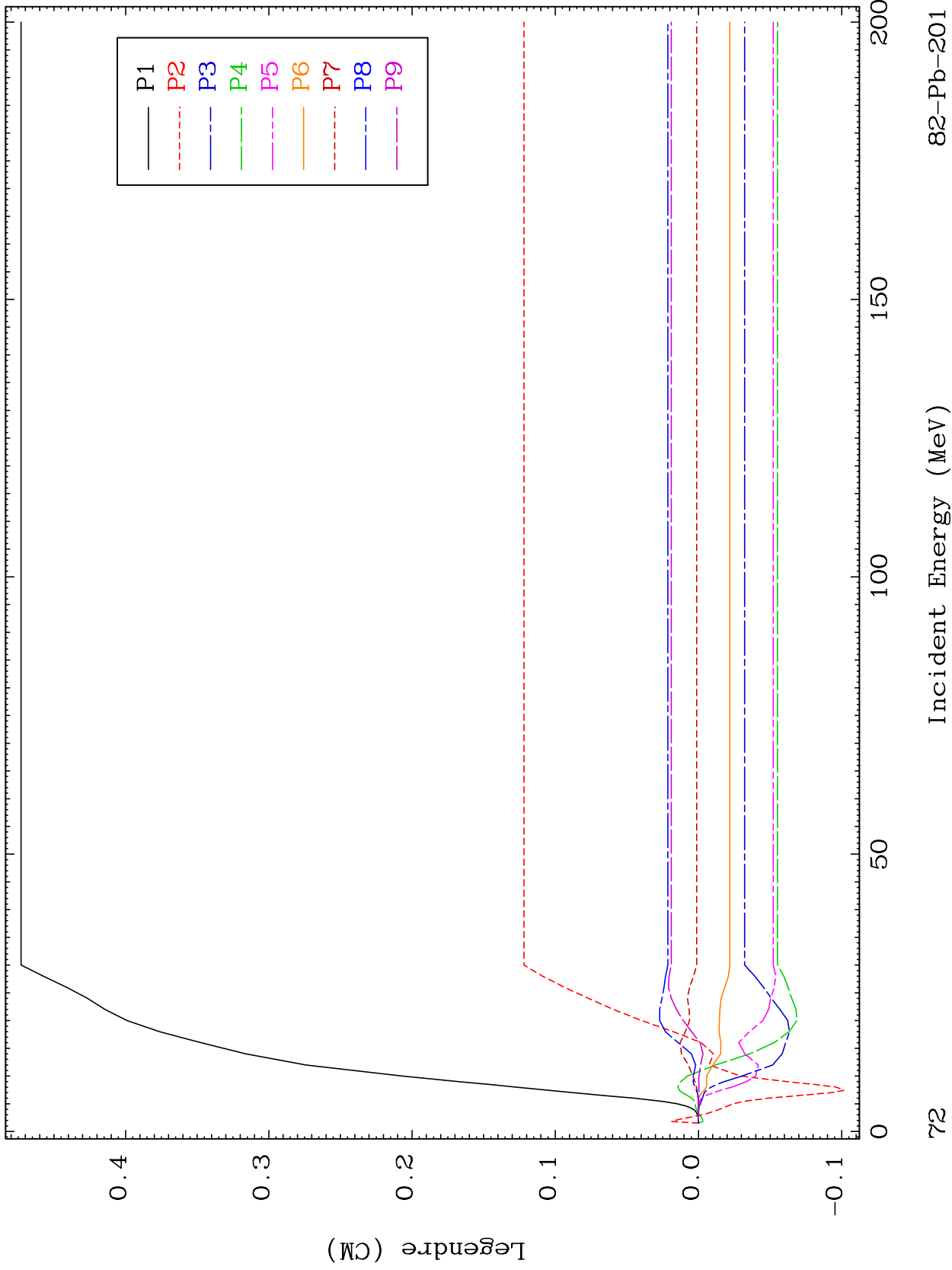




MAT 8216

1.490 MeV (n,n') Level  
Legendre Coefficients

82-Pb-201



72

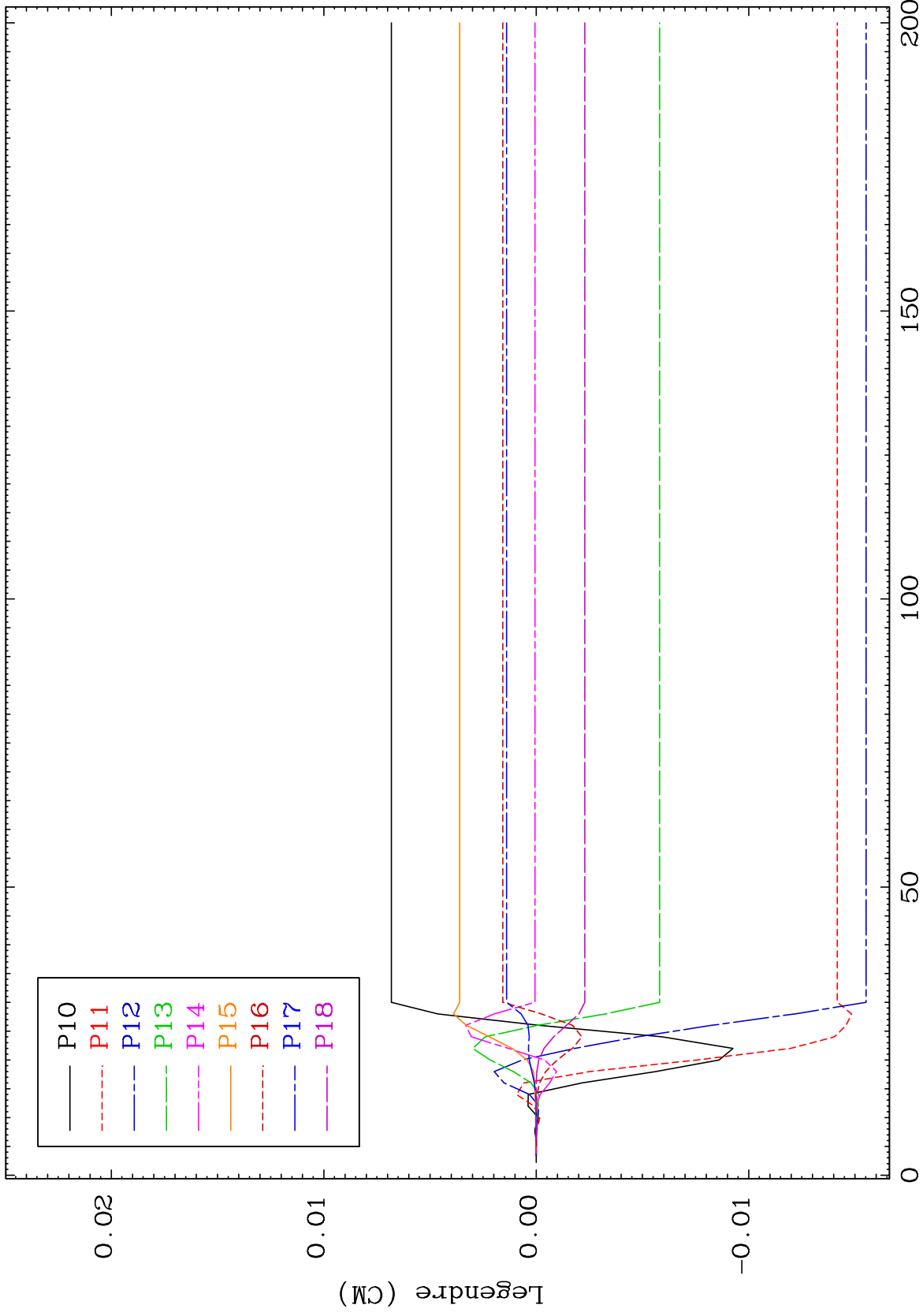
Incident Energy (MeV)

82-Pb-201

MAT 8216

1.490 MeV (n,n') Level  
Legendre Coefficients

82-Pb-201



73

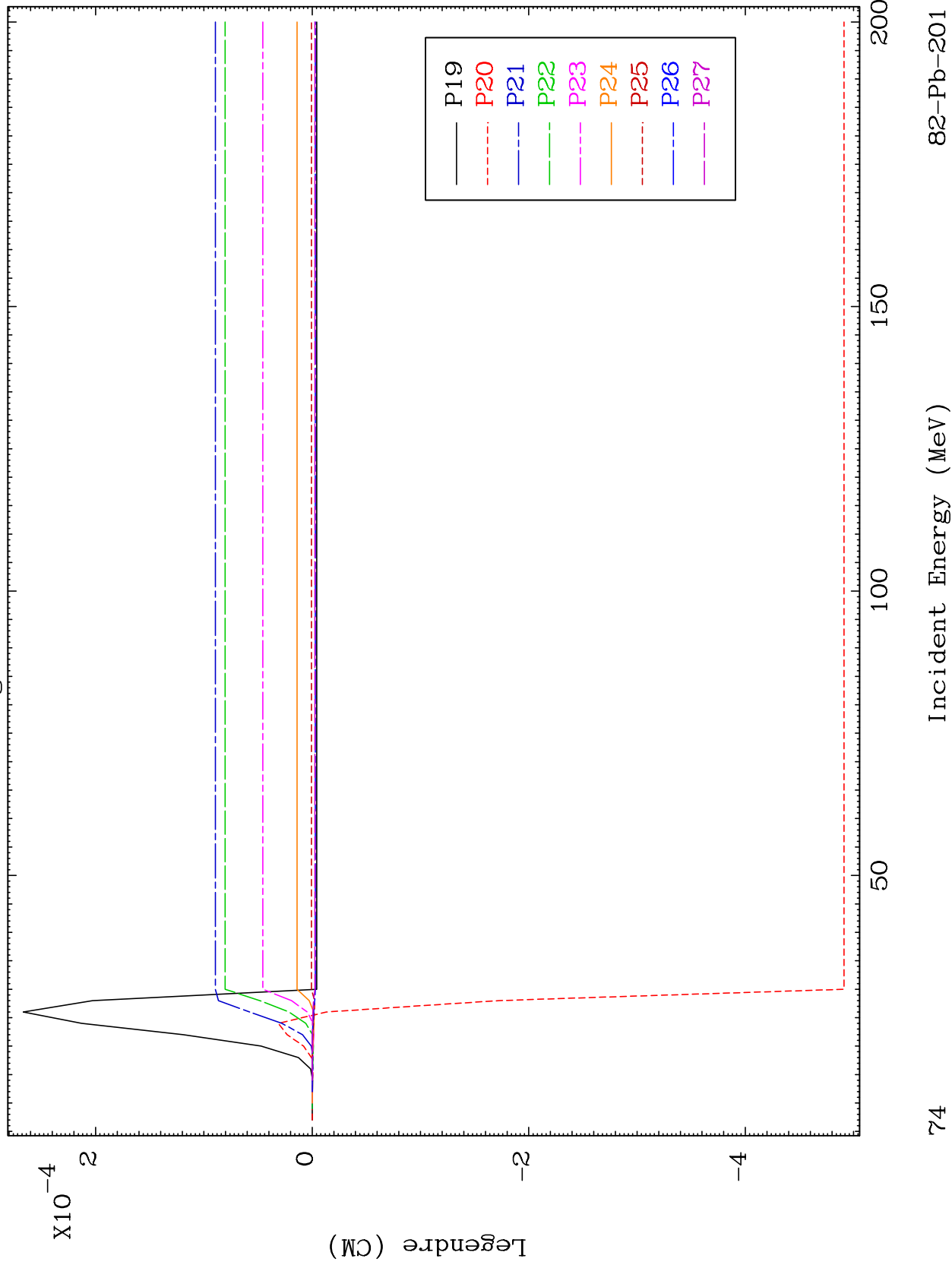
Incident Energy (MeV)

82-Pb-201

MAT 8216

1.490 MeV (n,n') Level  
Legendre Coefficients

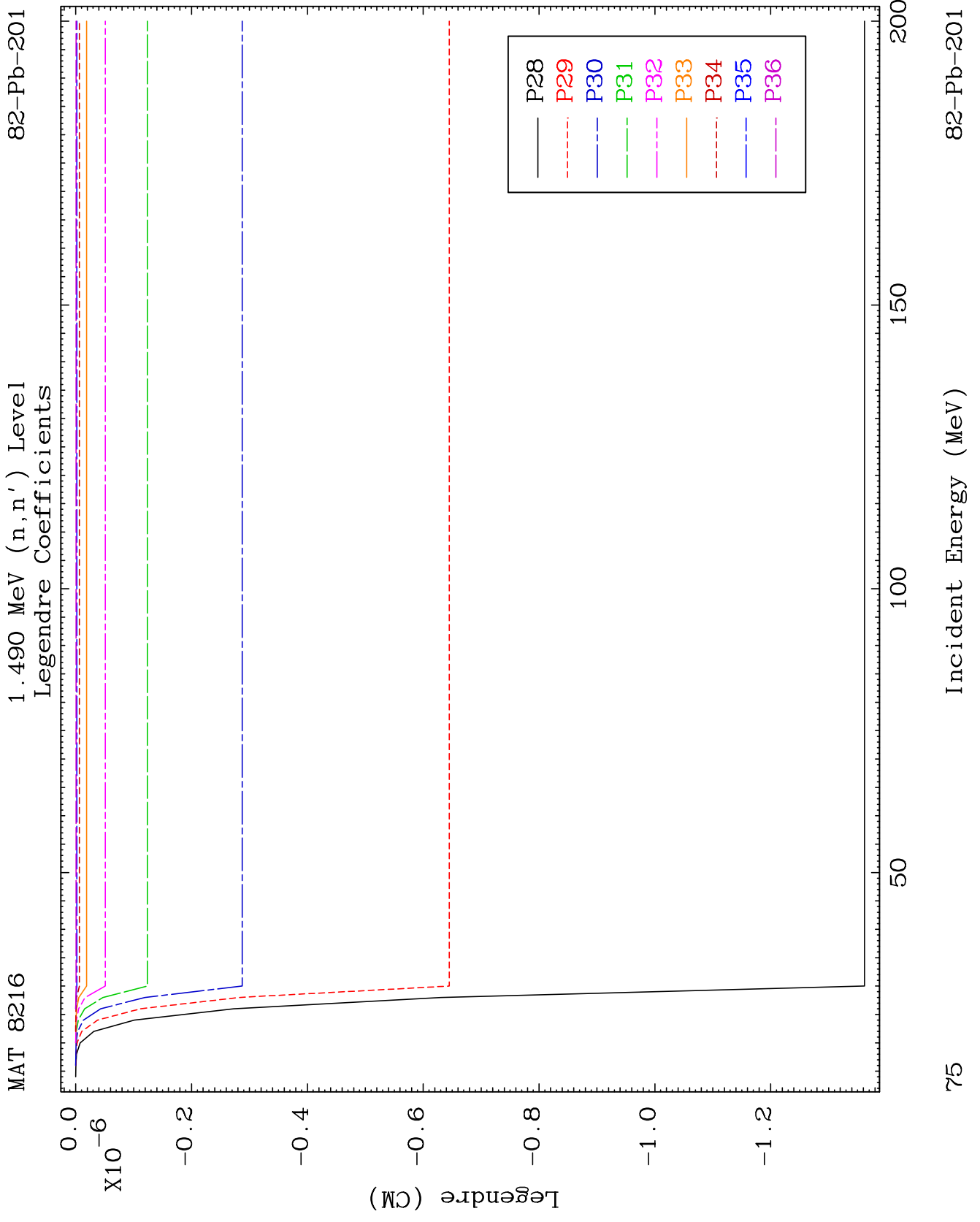
82-Pb-201



74

Incident Energy (MeV)

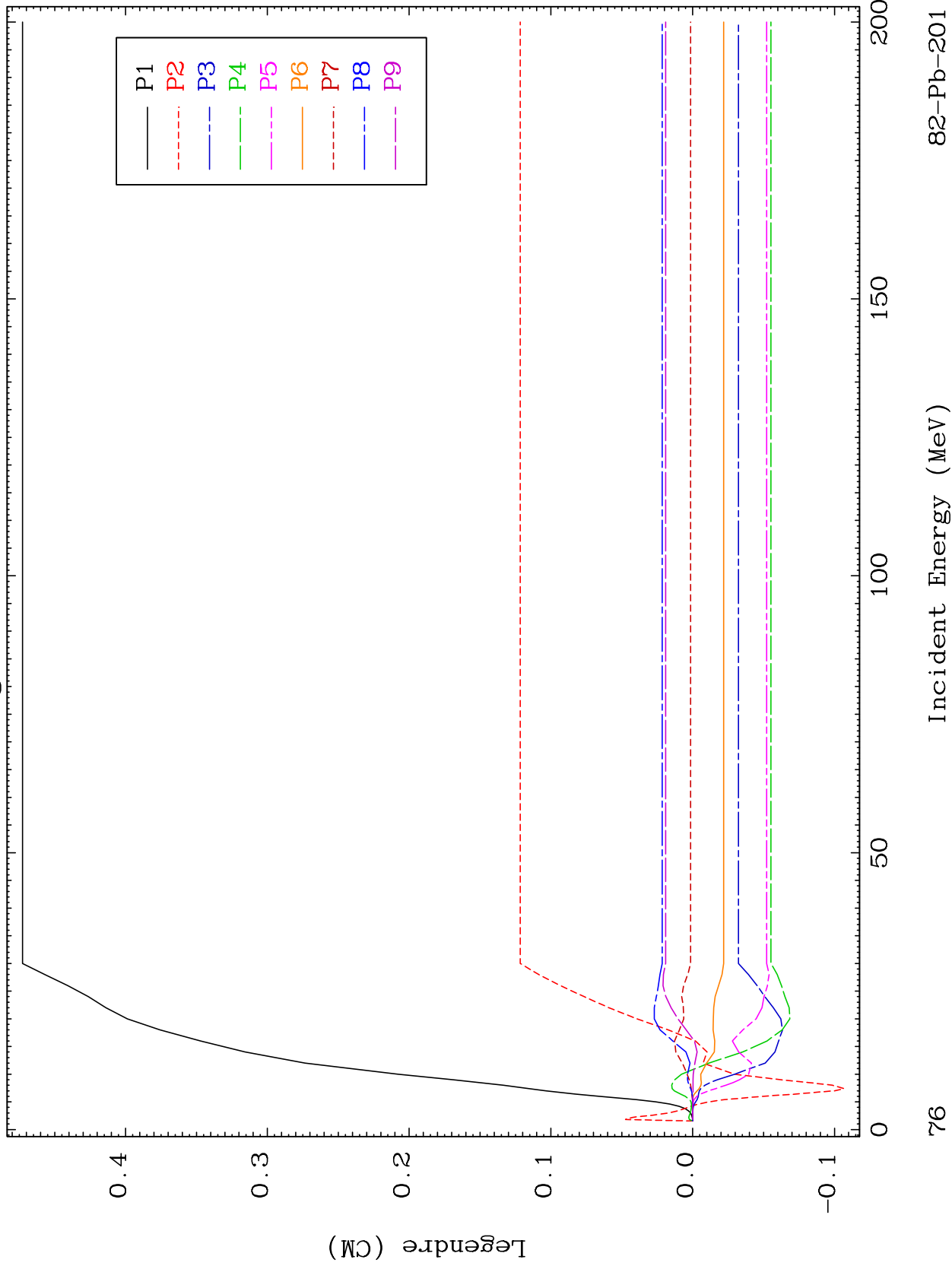
82-Pb-201



MAT 8216

1.542 MeV (n,n') Level  
Legendre Coefficients

82-Pb-201



76

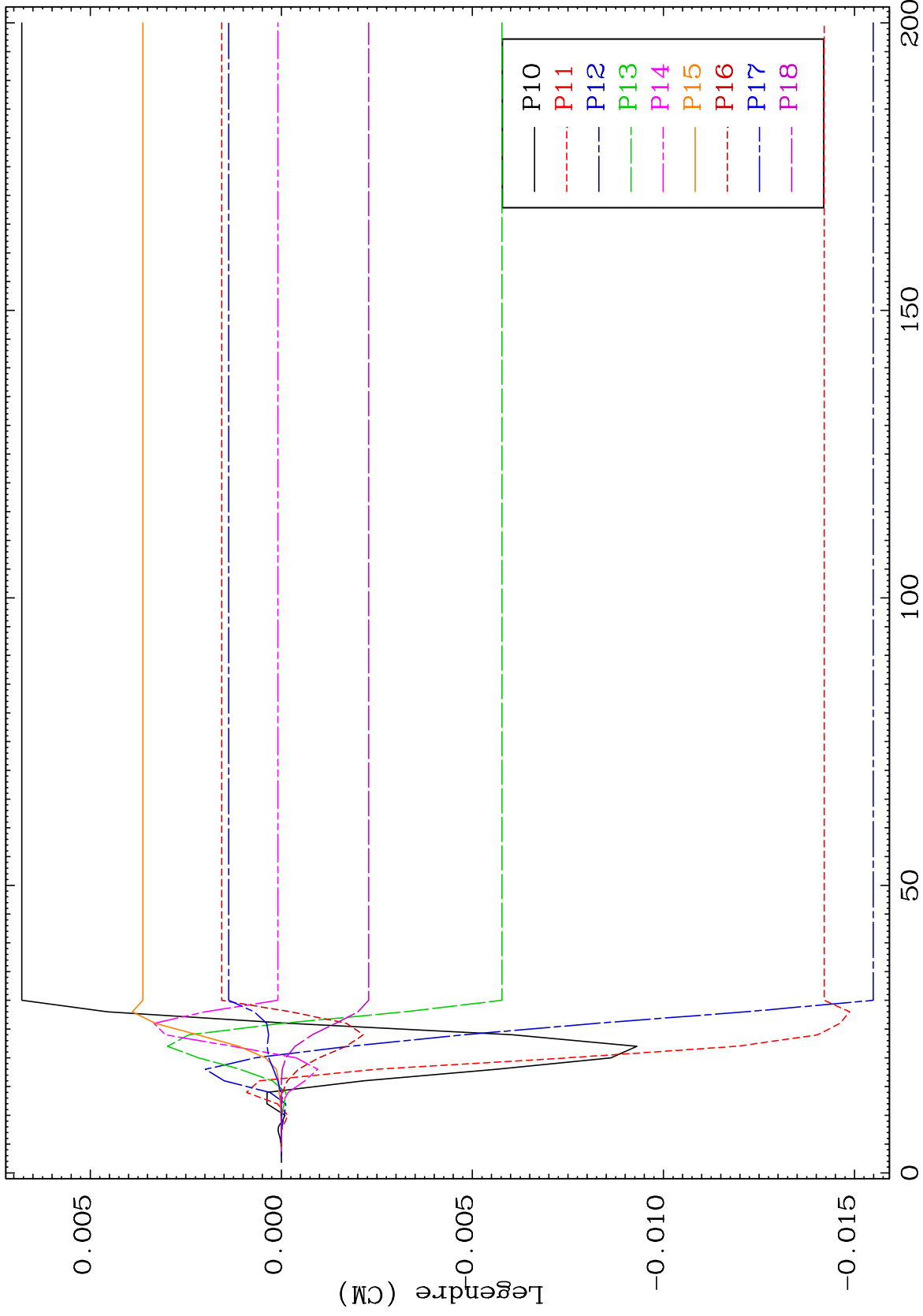
Incident Energy (MeV)

82-Pb-201

MAT 8216

1.542 MeV (n,n') Level  
Legendre Coefficients

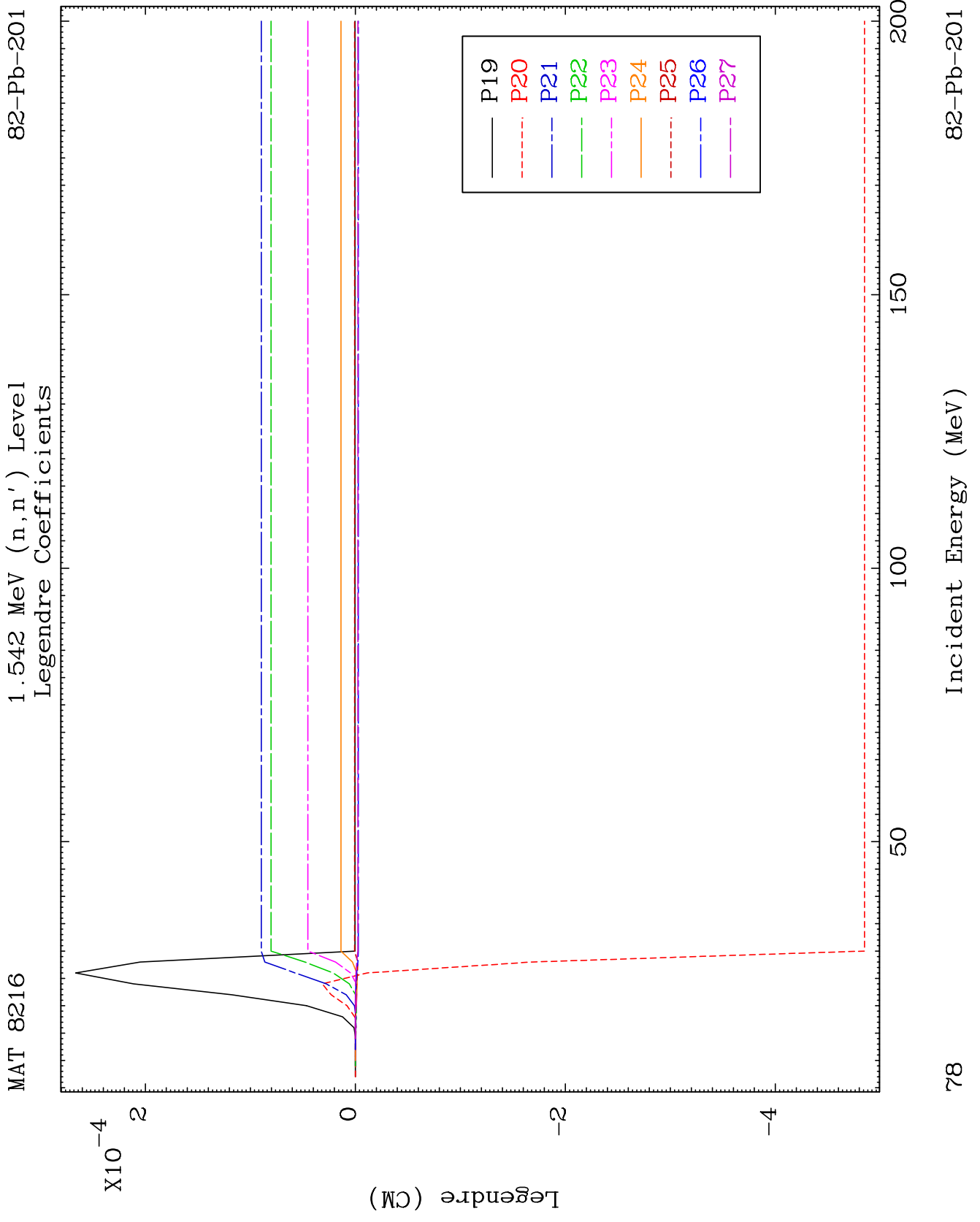
82-Pb-201

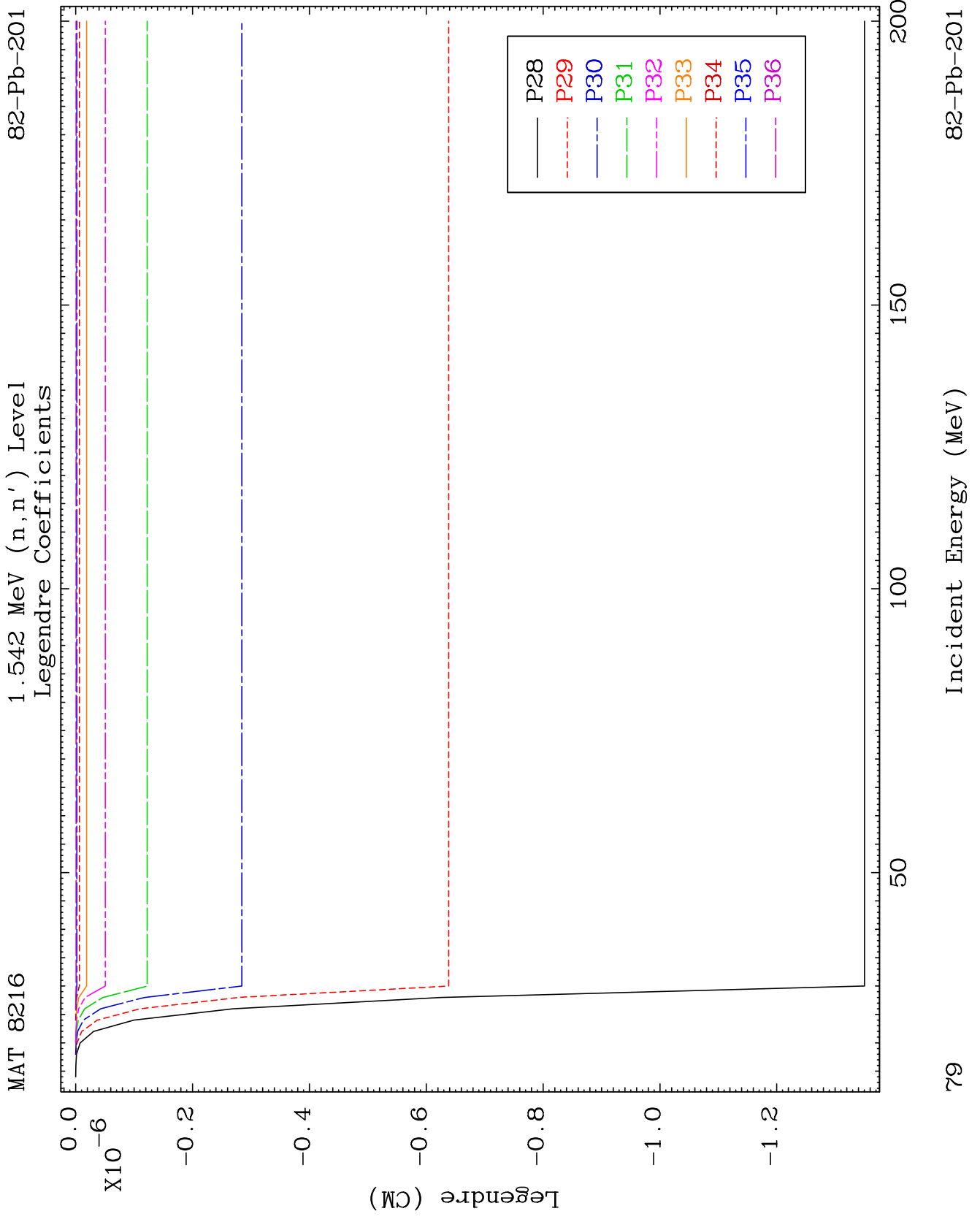


77

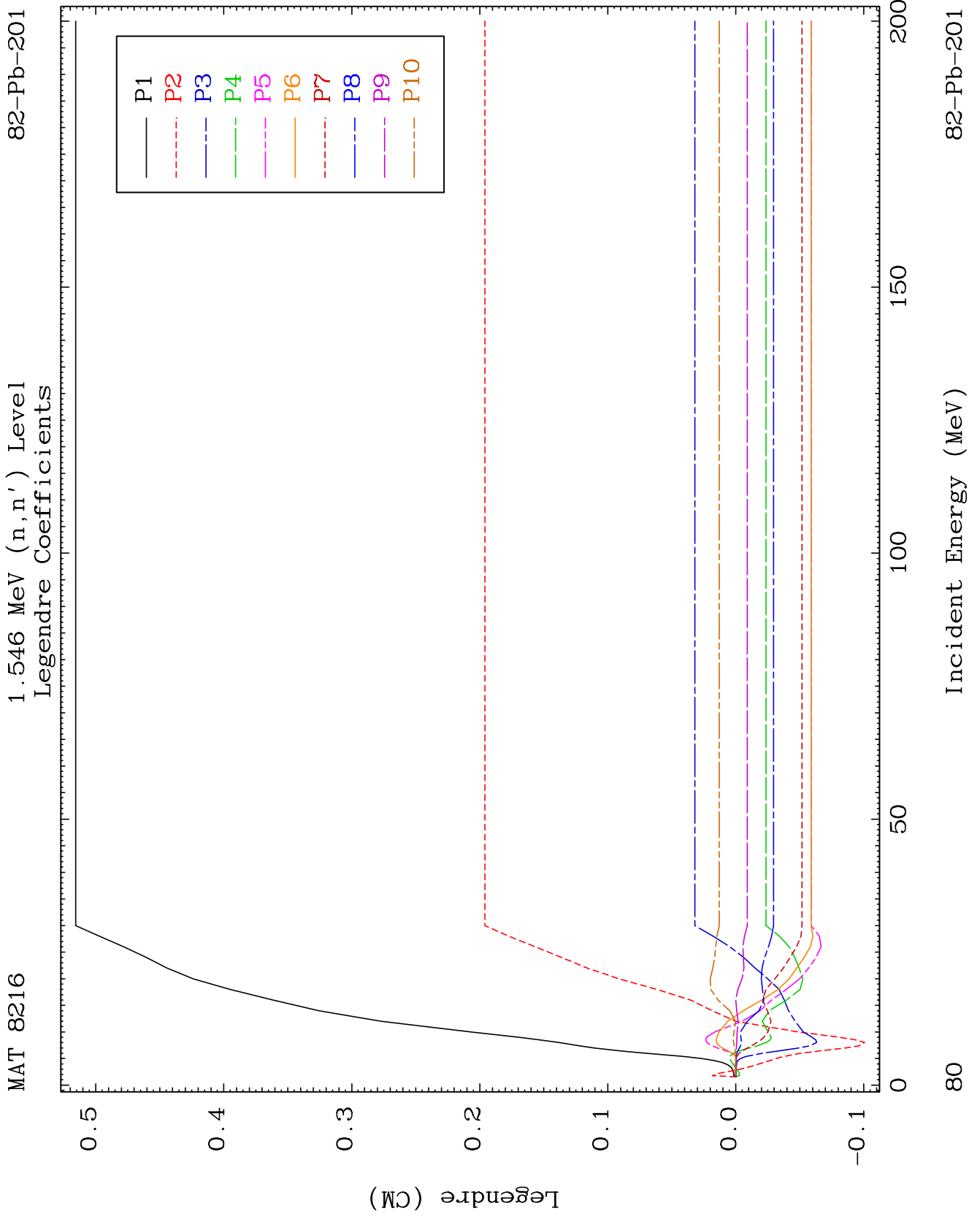
Incident Energy (MeV)

82-Pb-201





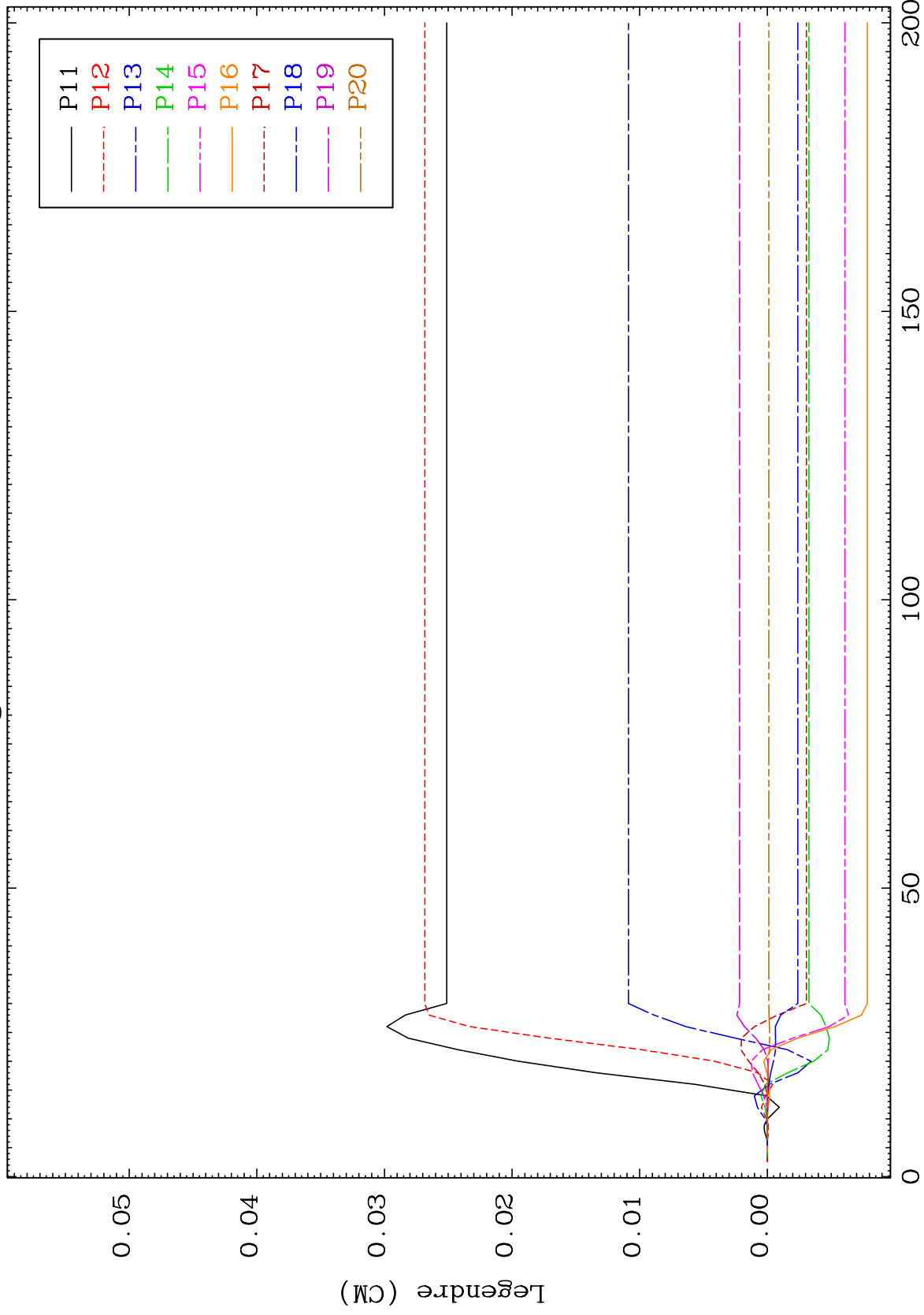




MAT 8216

1.546 MeV (n,n') Level  
Legendre Coefficients

82-Pb-201



81

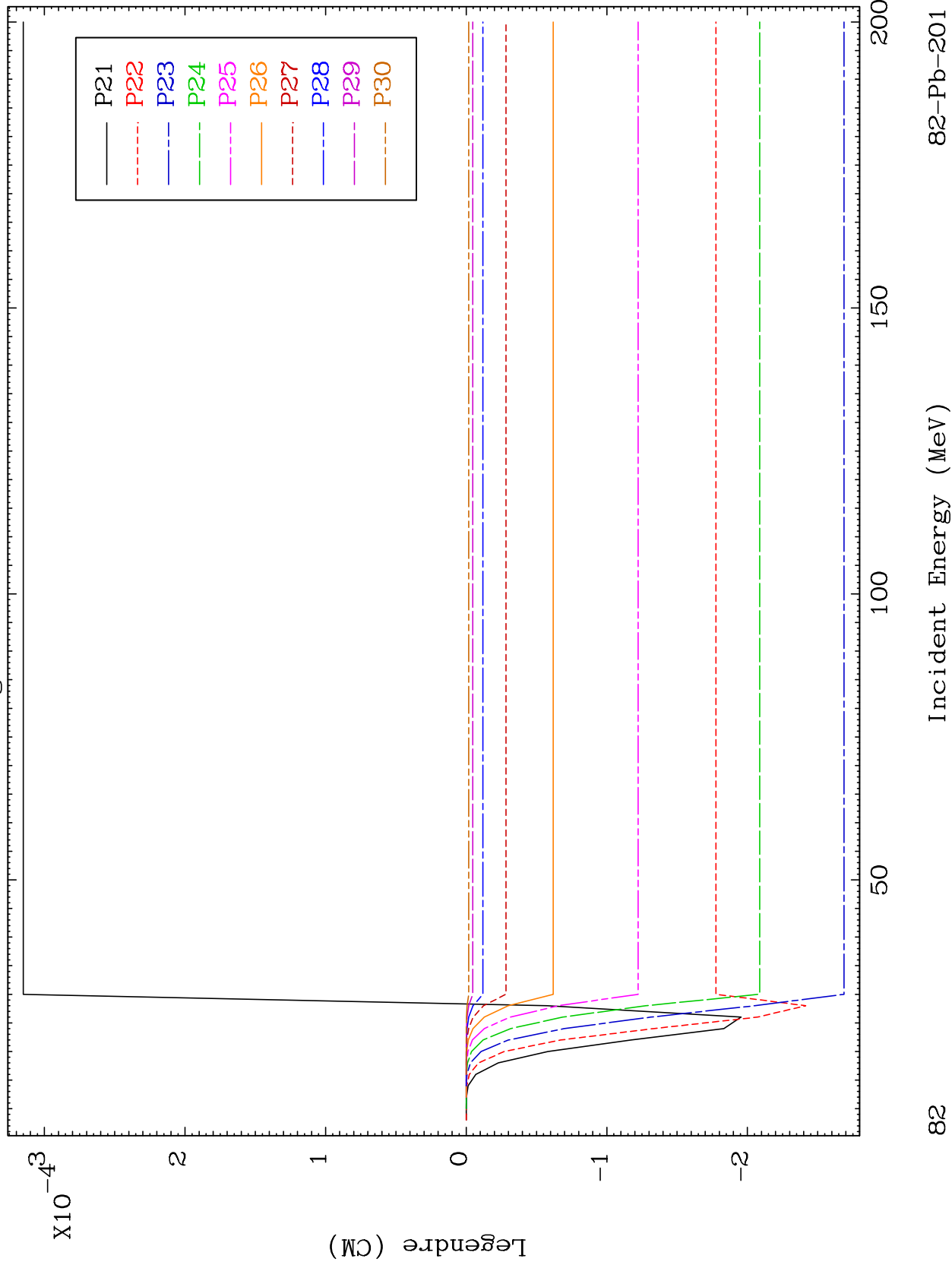
Incident Energy (MeV)

82-Pb-201

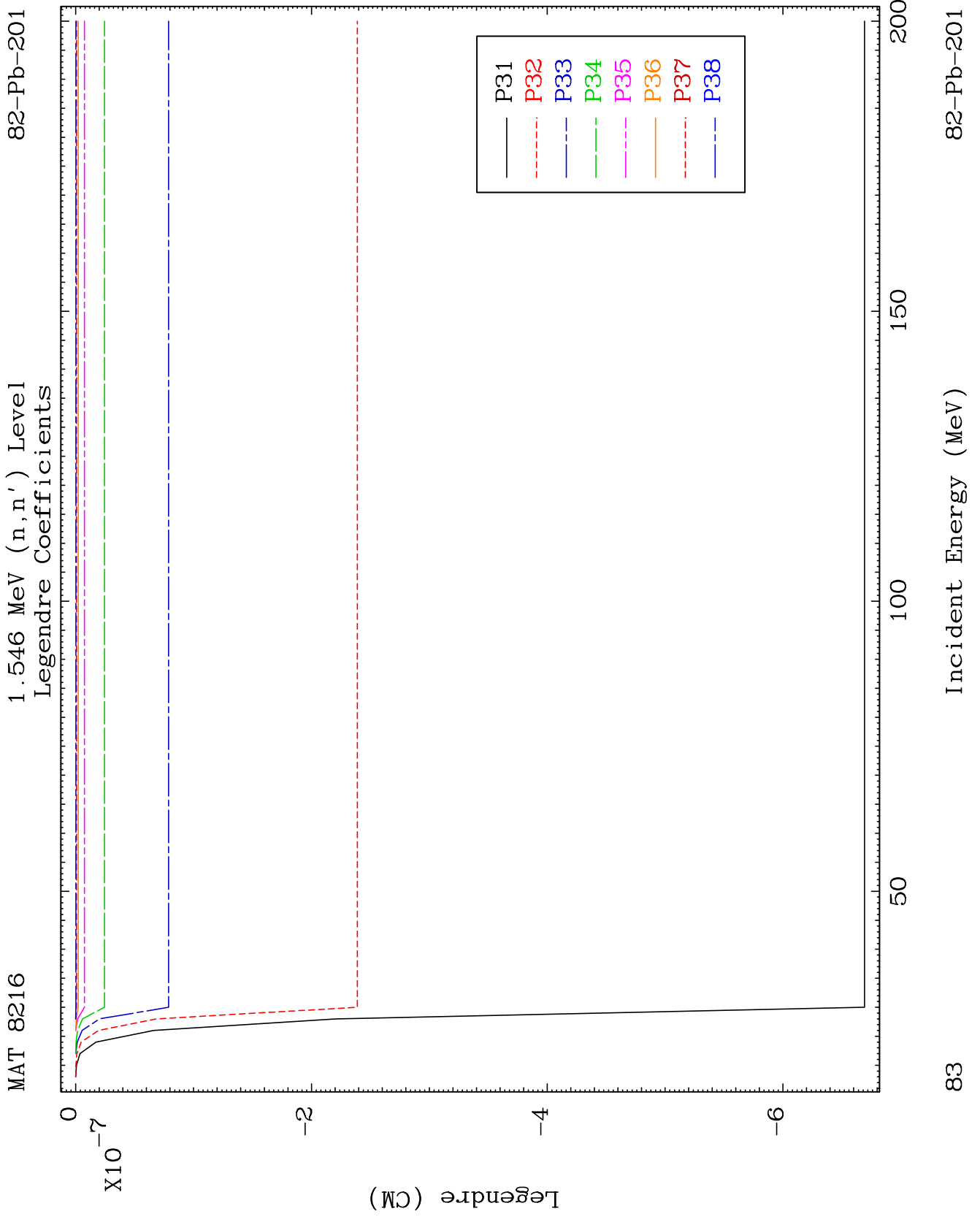
MAT 8216

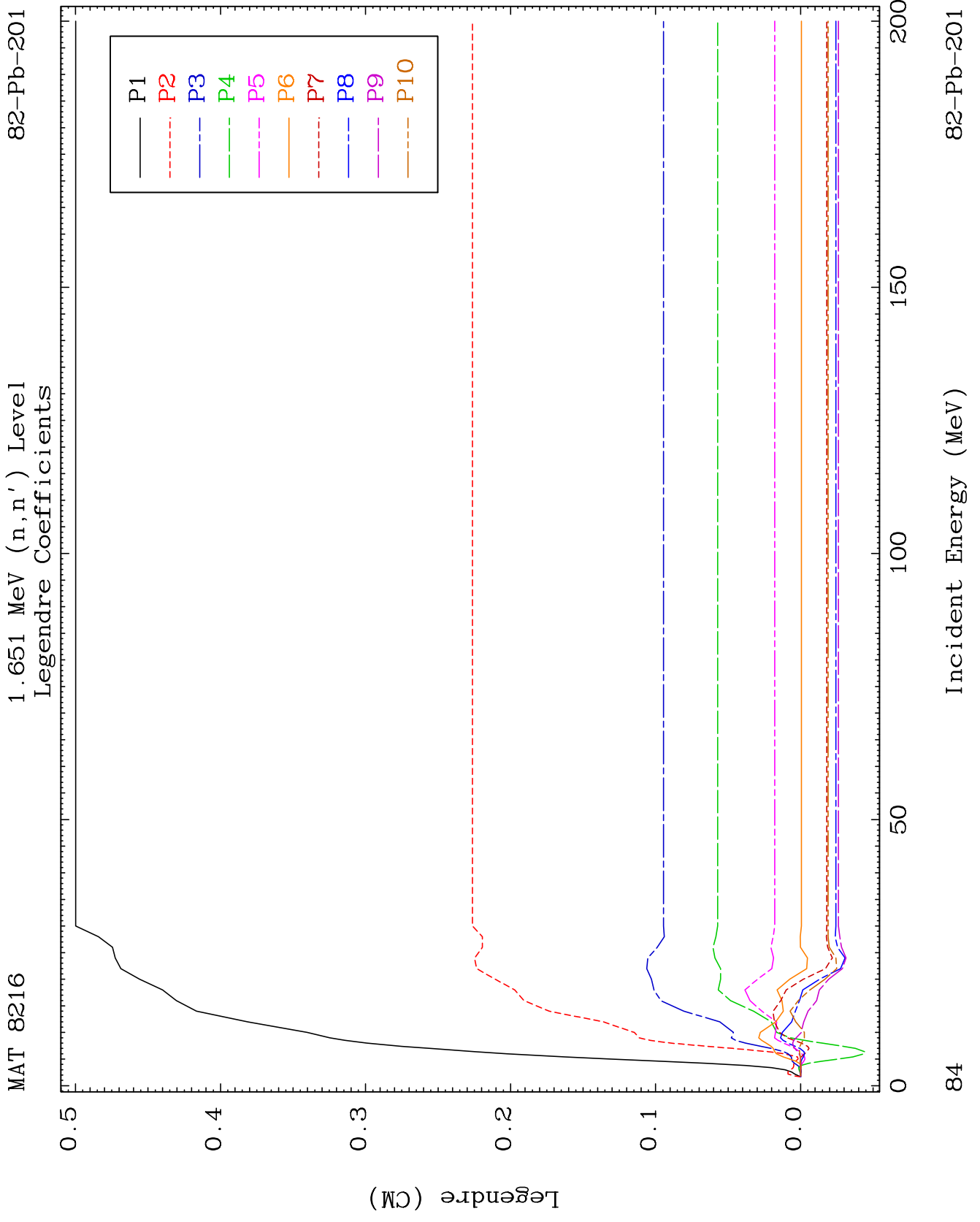
1.546 MeV (n,n') Level  
Legendre Coefficients

82-Pb-201



82

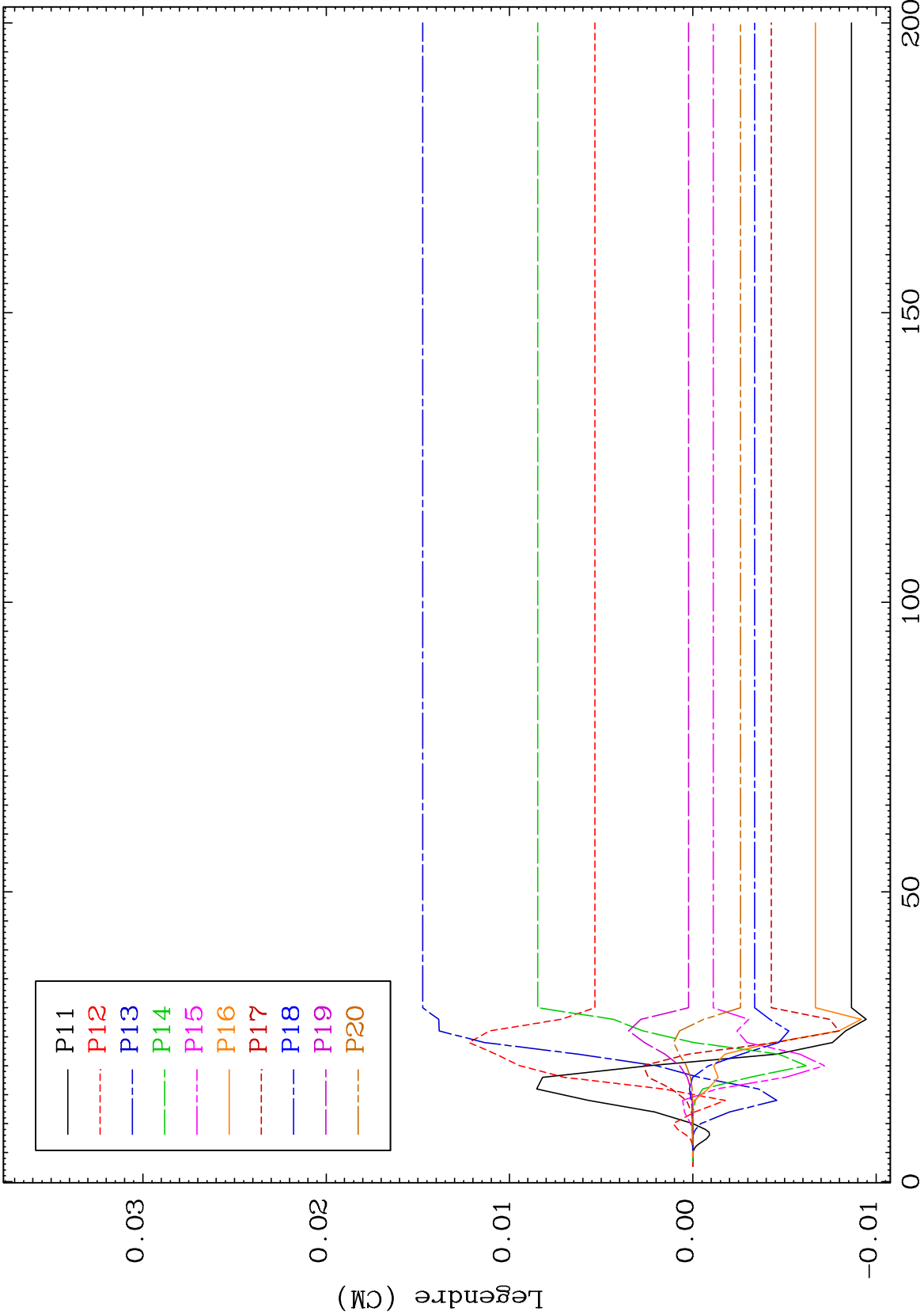




MAT 8216

1.651 MeV (n,n') Level  
Legendre Coefficients

82-Pb-201



85

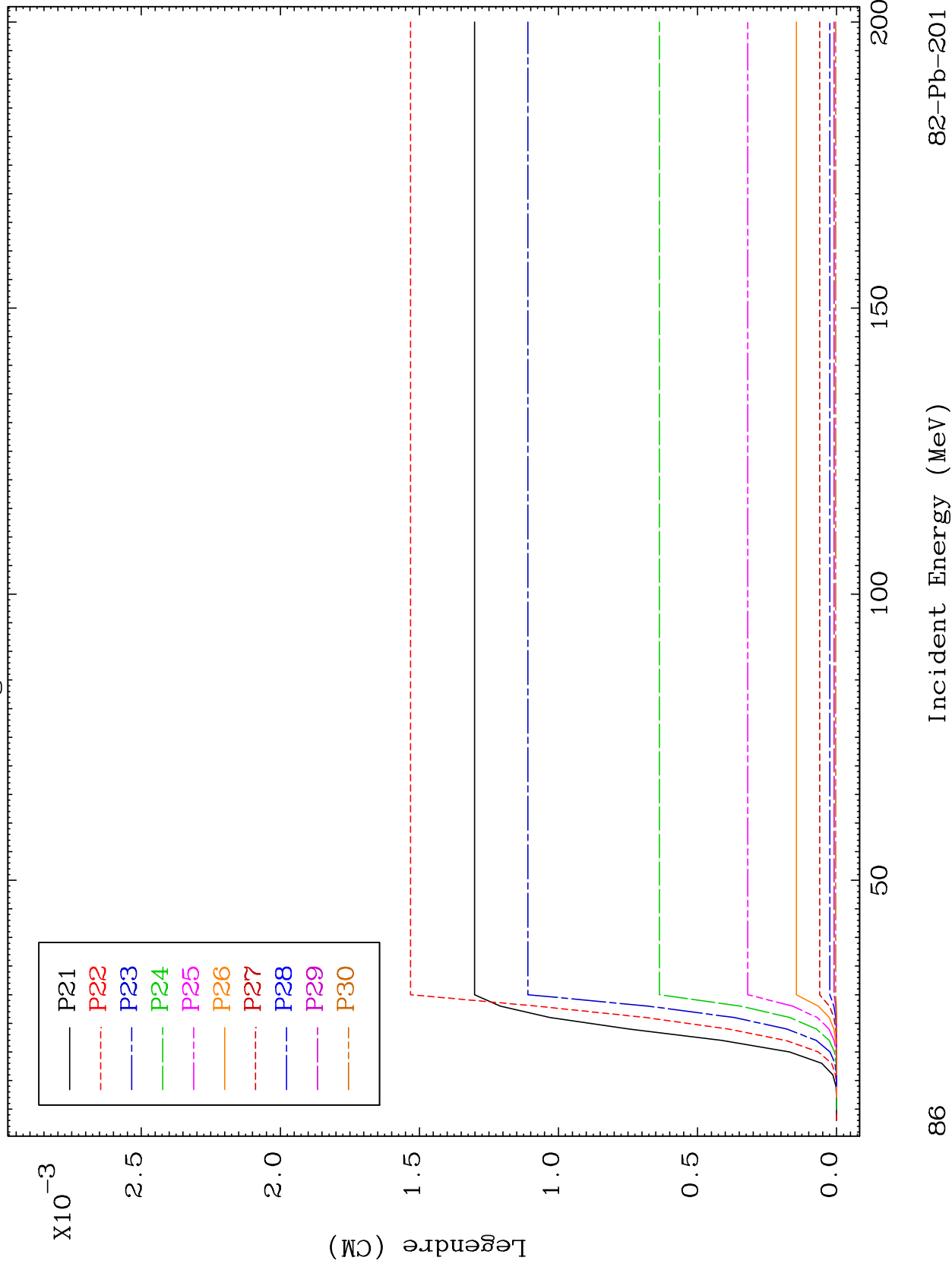
Incident Energy (MeV)

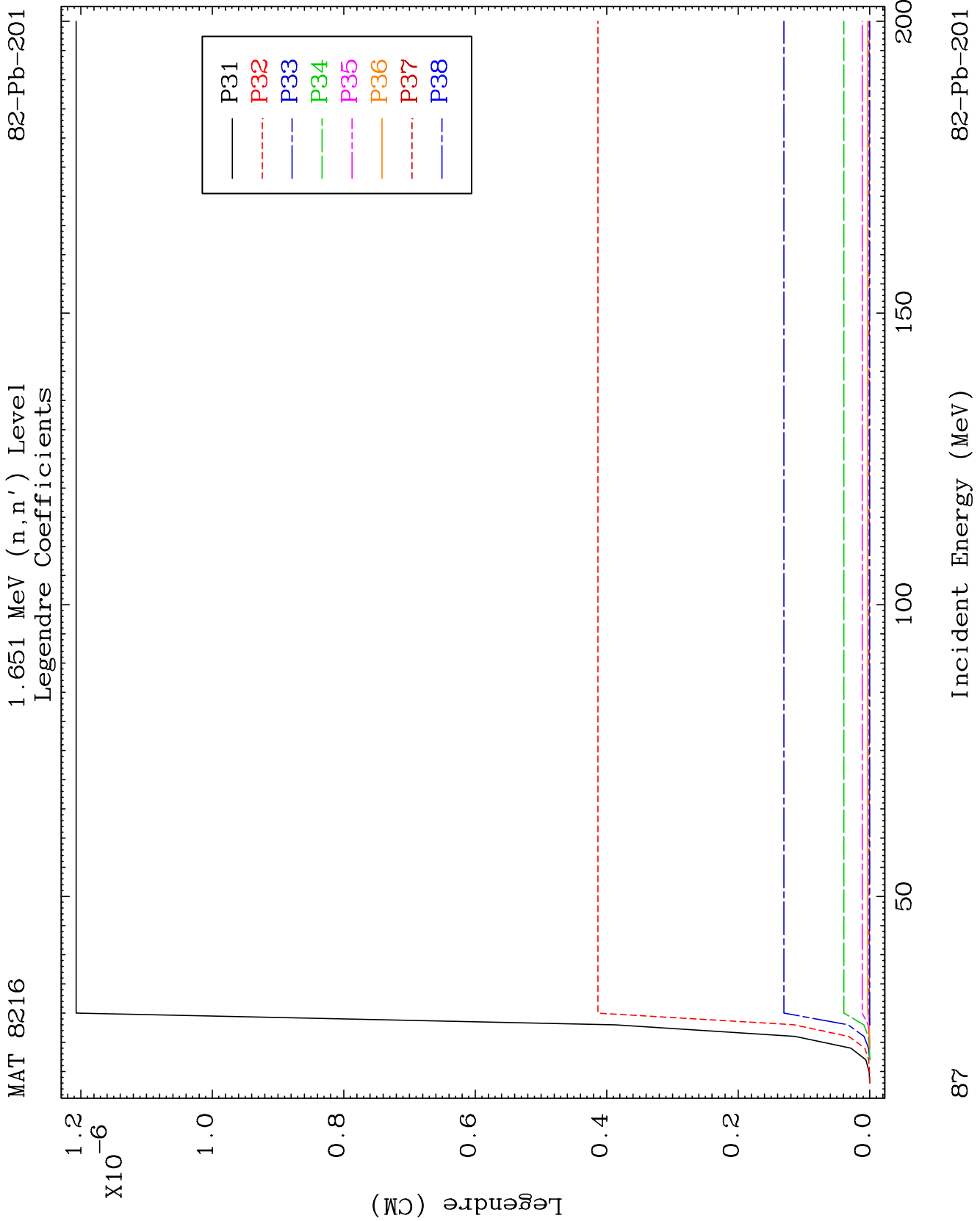
82-Pb-201

MAT 8216

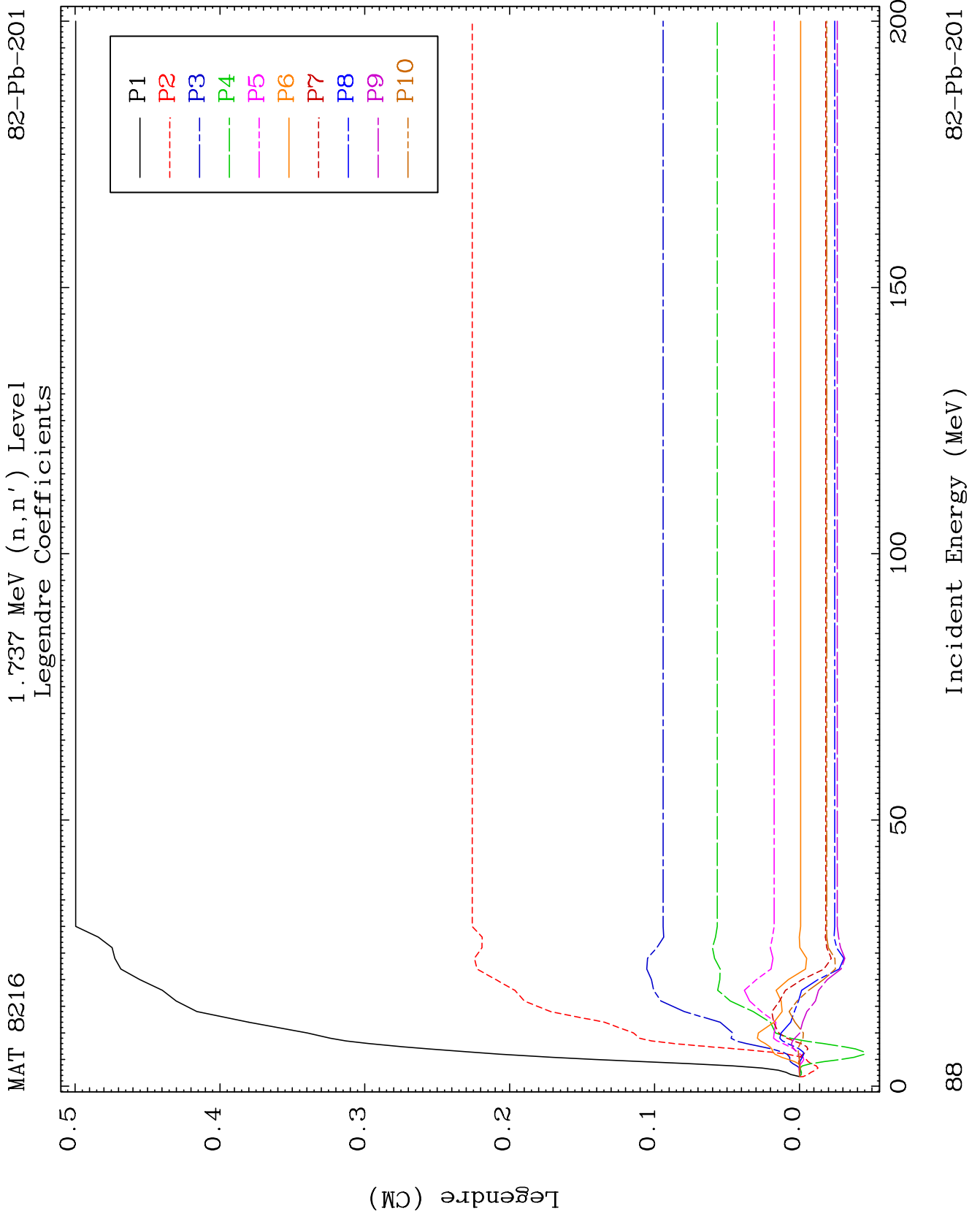
1.651 MeV (n,n') Level  
Legendre Coefficients

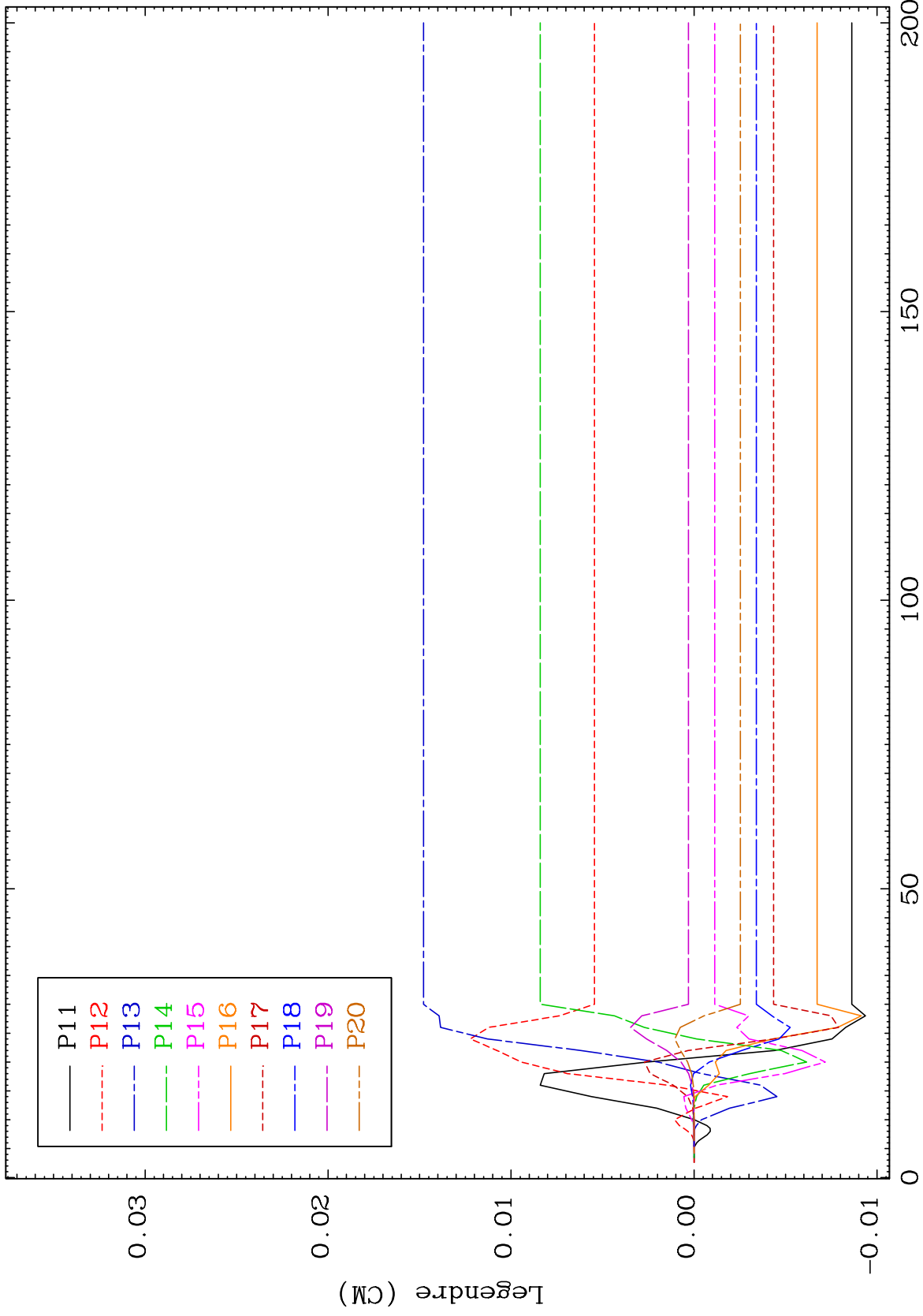
82-Pb-201







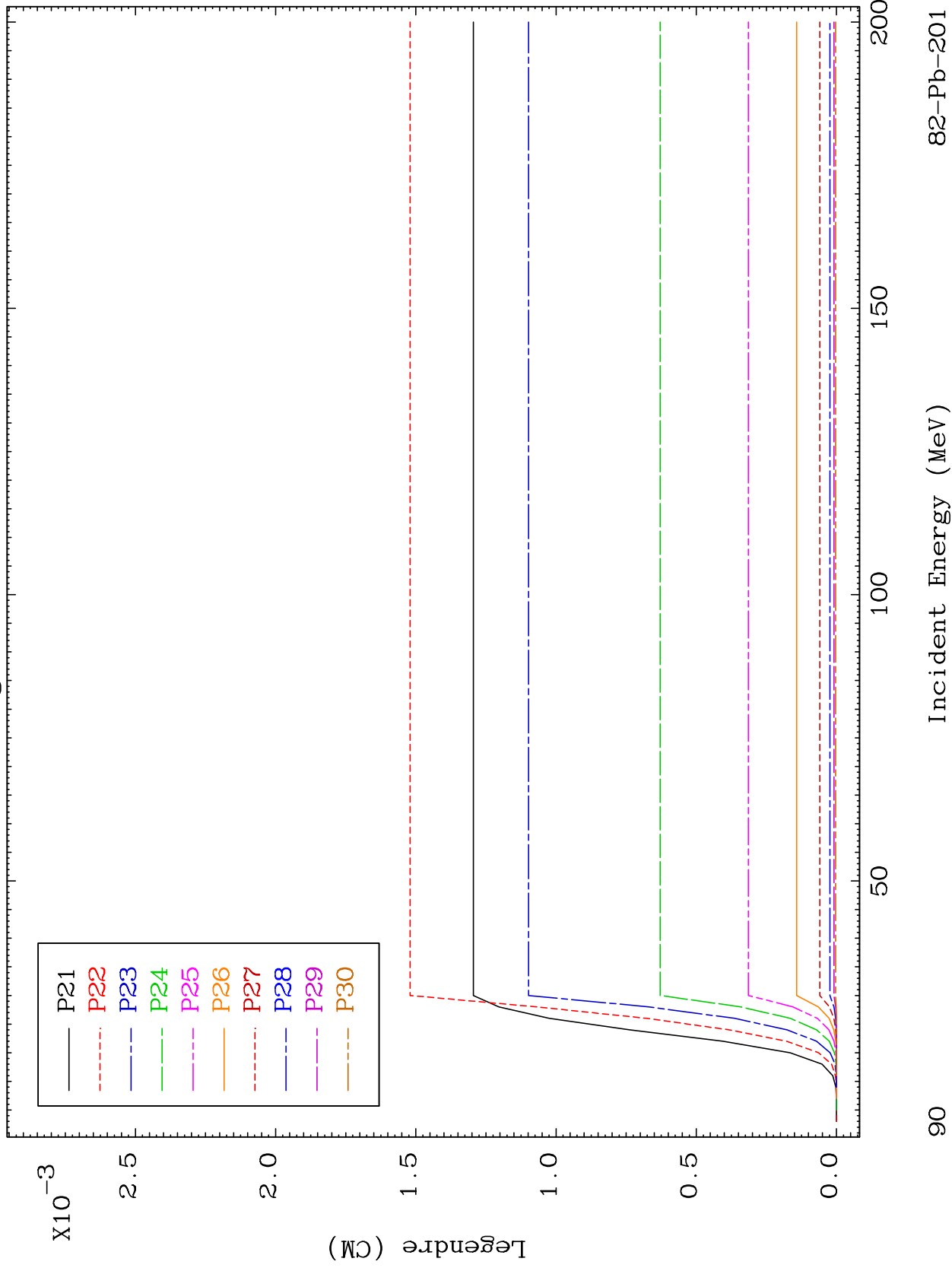




MAT 8216

1.737 MeV (n,n') Level  
Legendre Coefficients

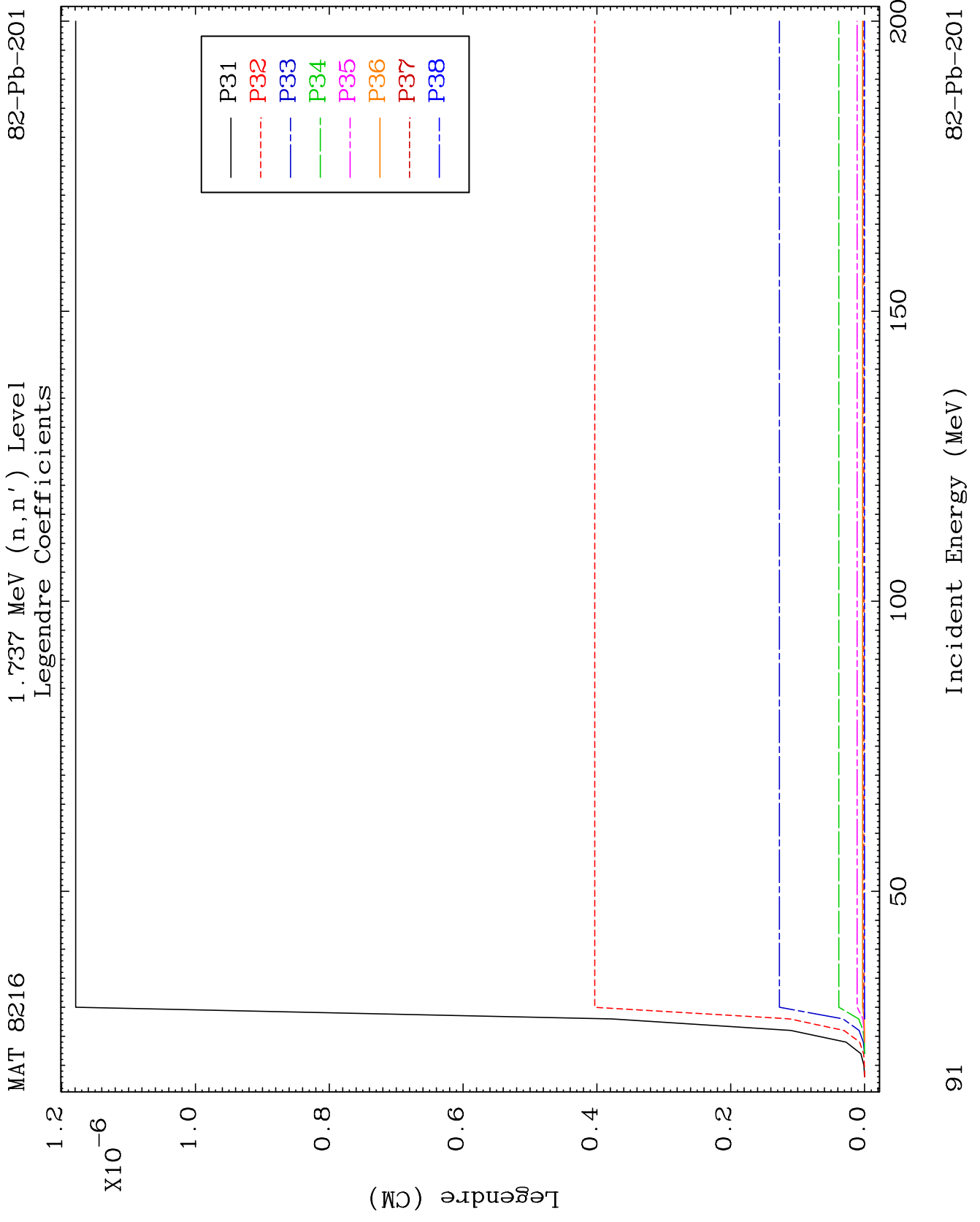
82-Pb-201

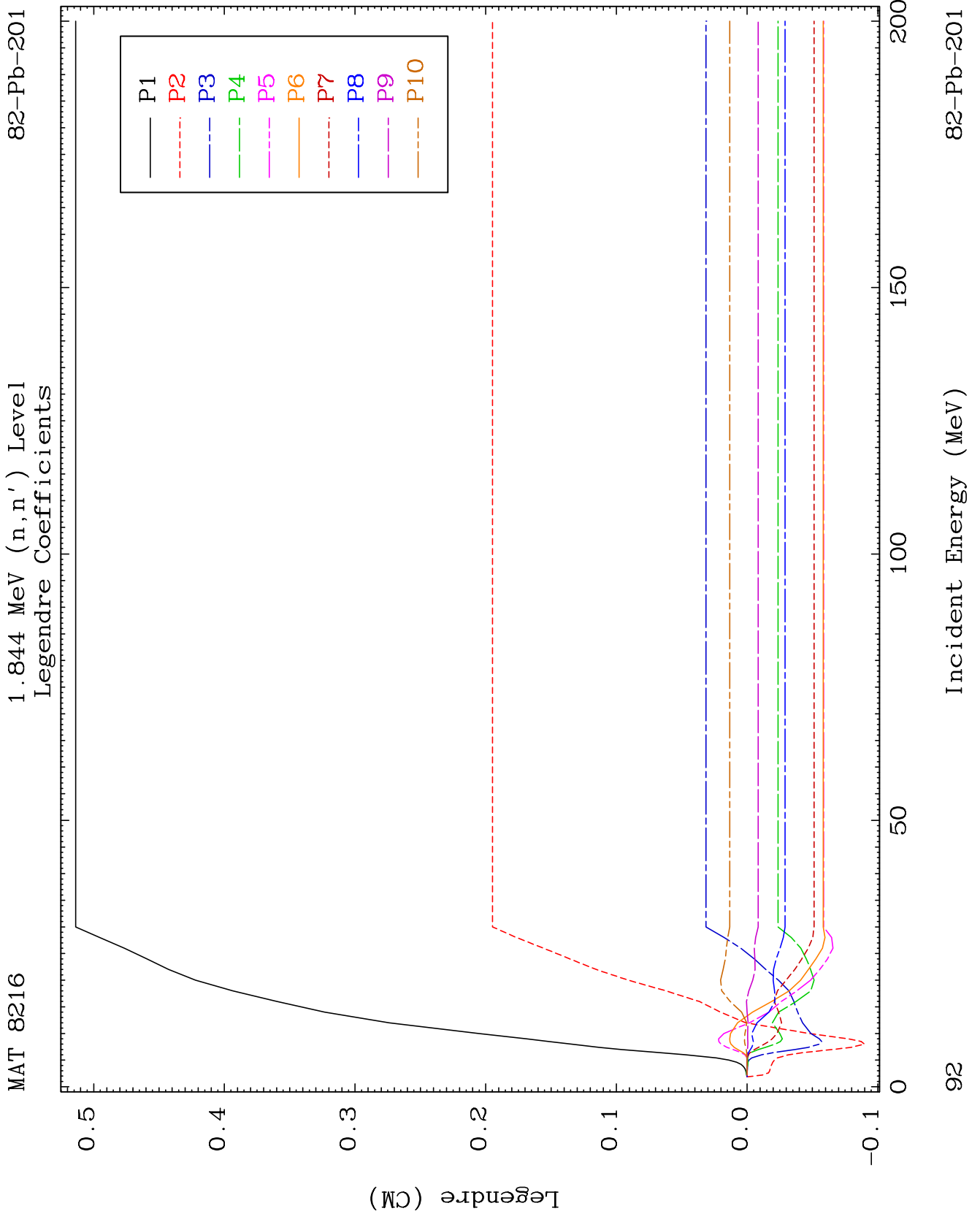


90

Incident Energy (MeV)

82-Pb-201

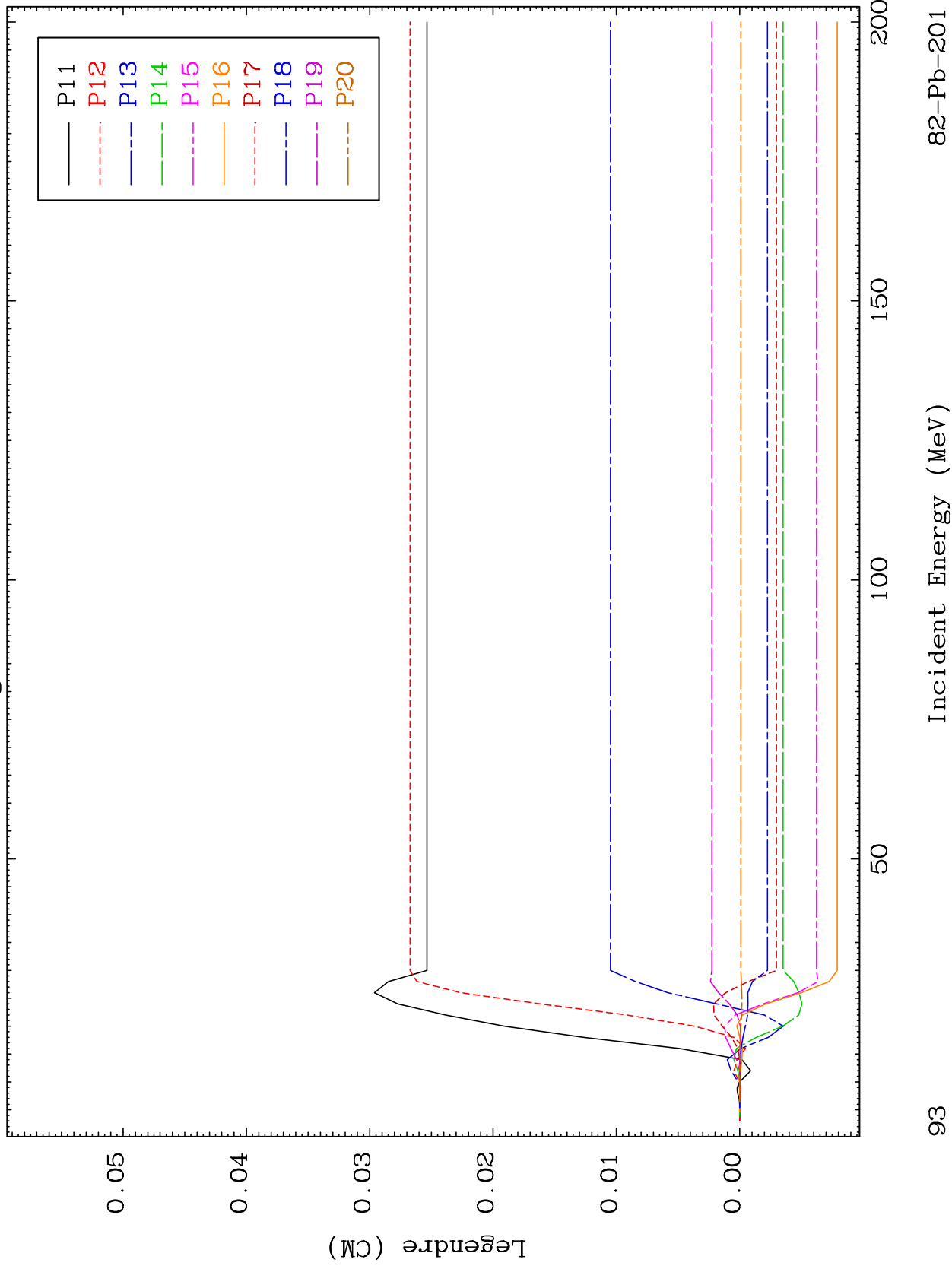




MAT 8216

1.844 MeV (n,n') Level  
Legendre Coefficients

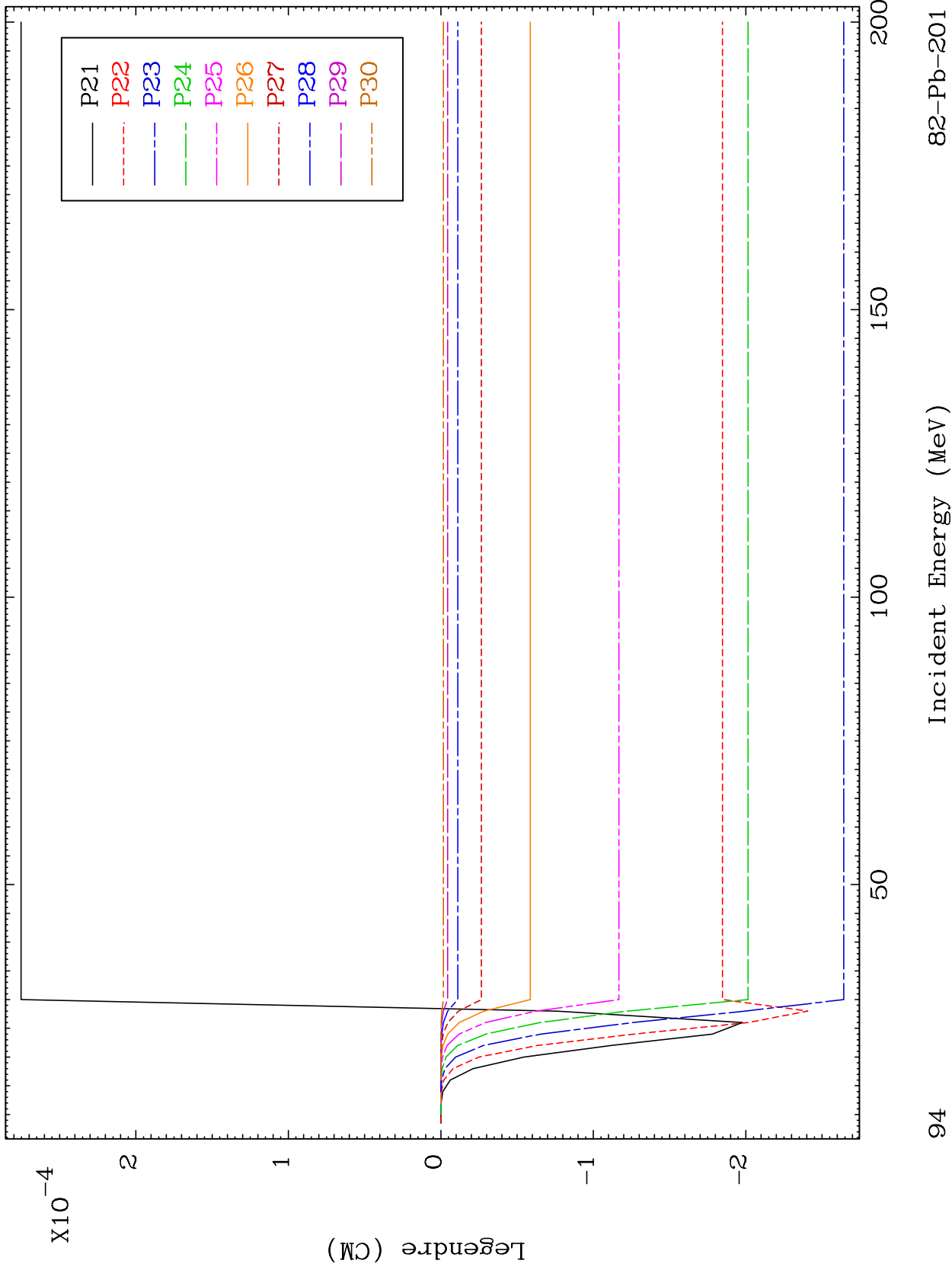
82-Pb-201



MAT 8216

1.844 MeV (n,n') Level  
Legendre Coefficients

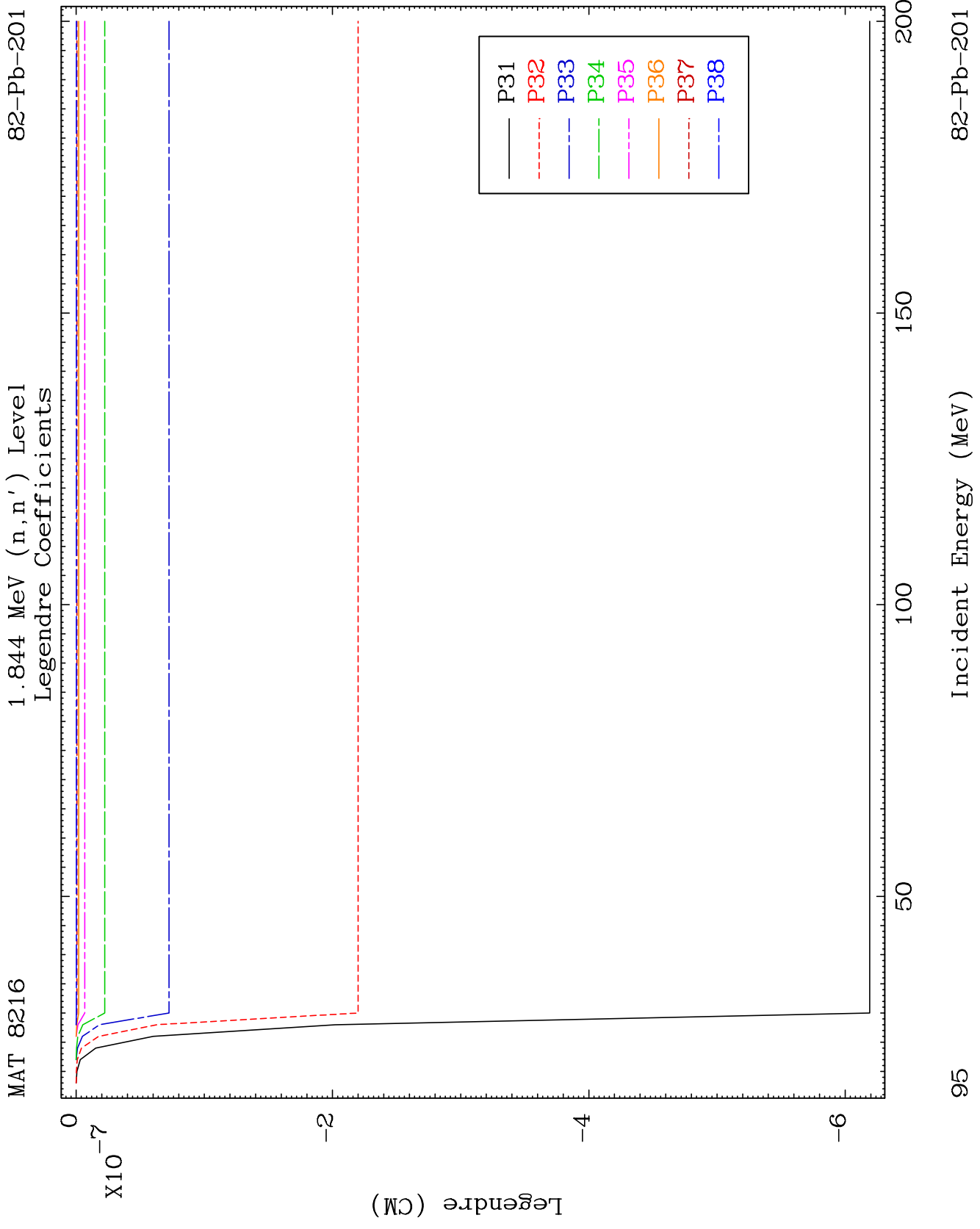
82-Pb-201



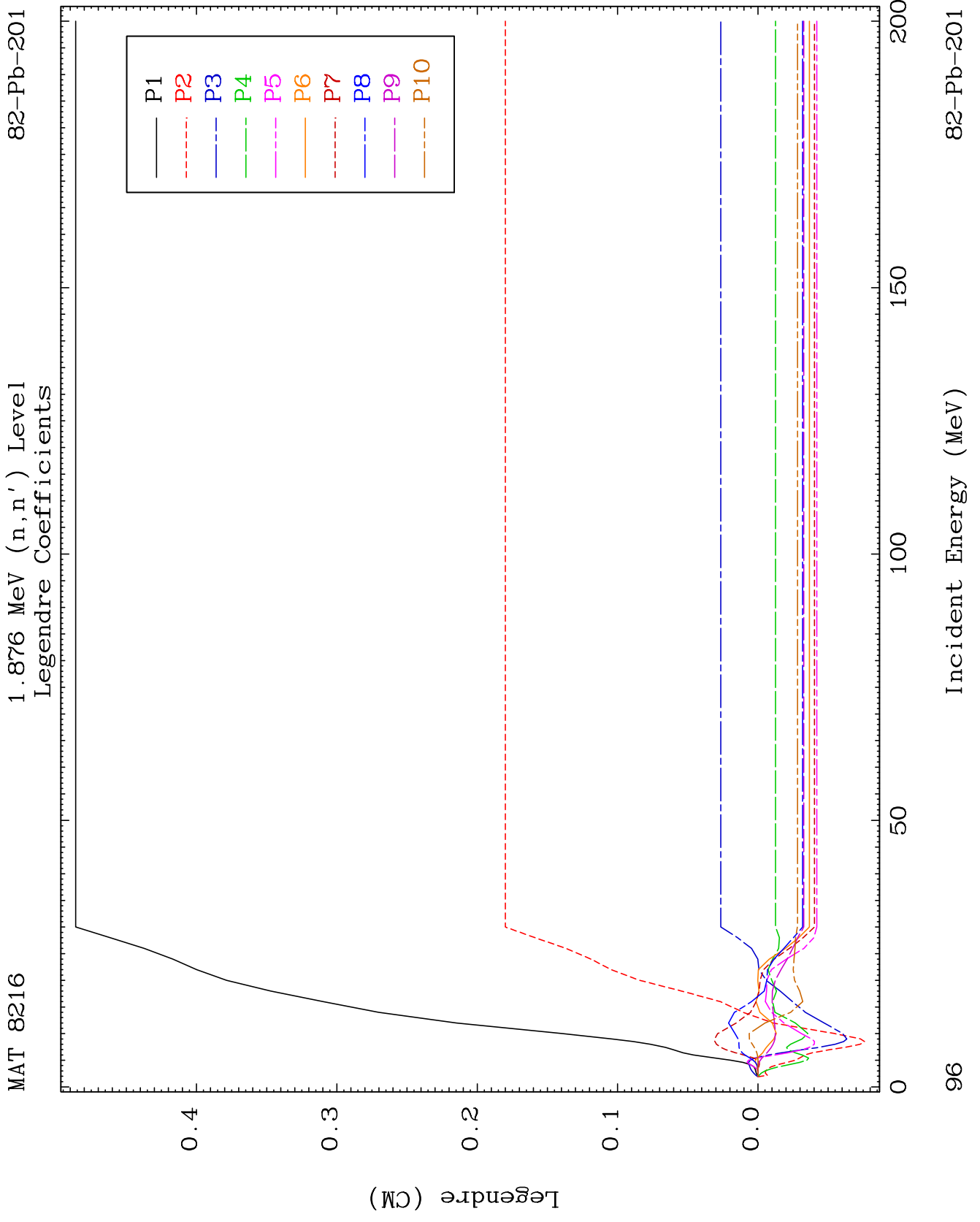
94

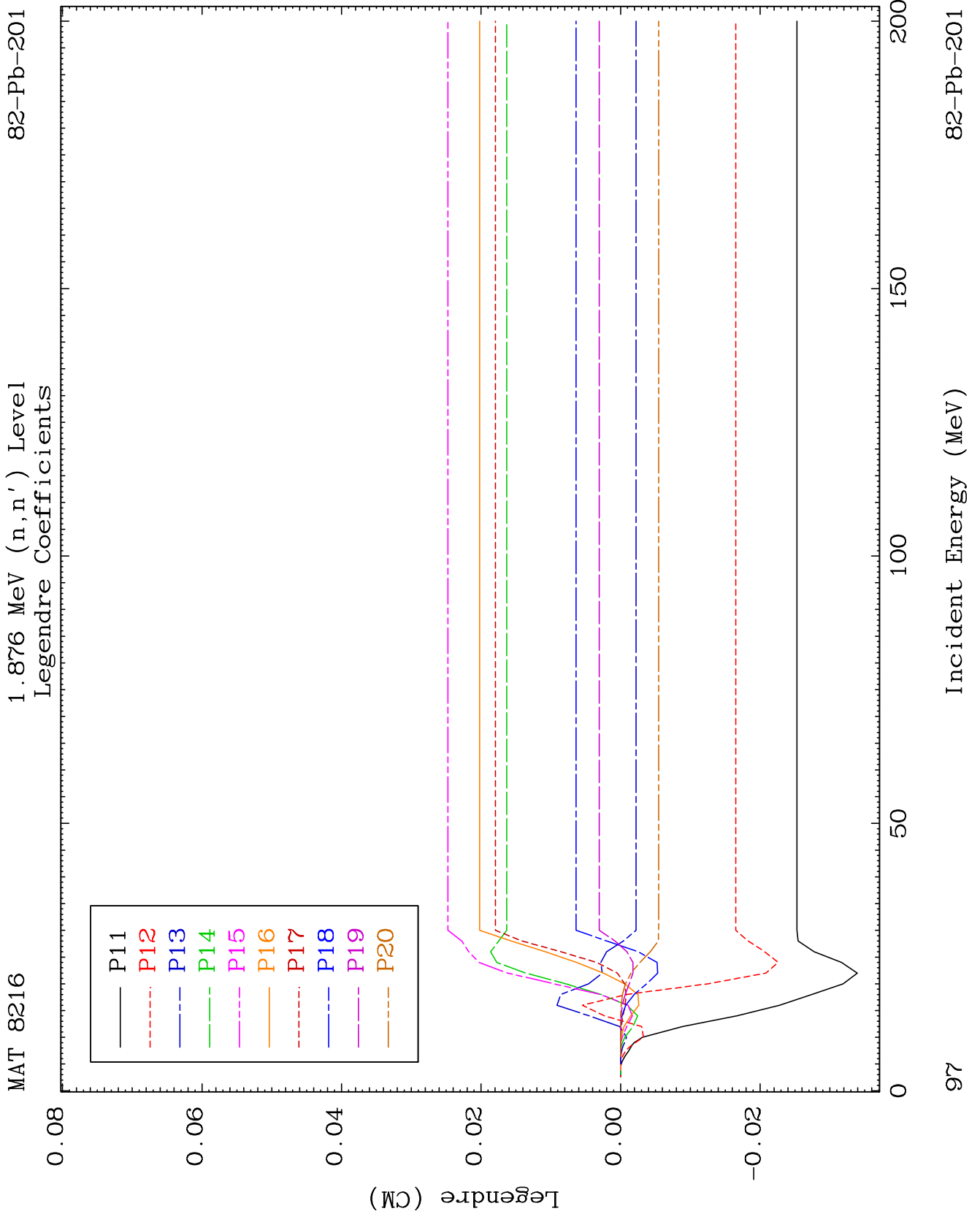
Incident Energy (MeV)

82-Pb-201





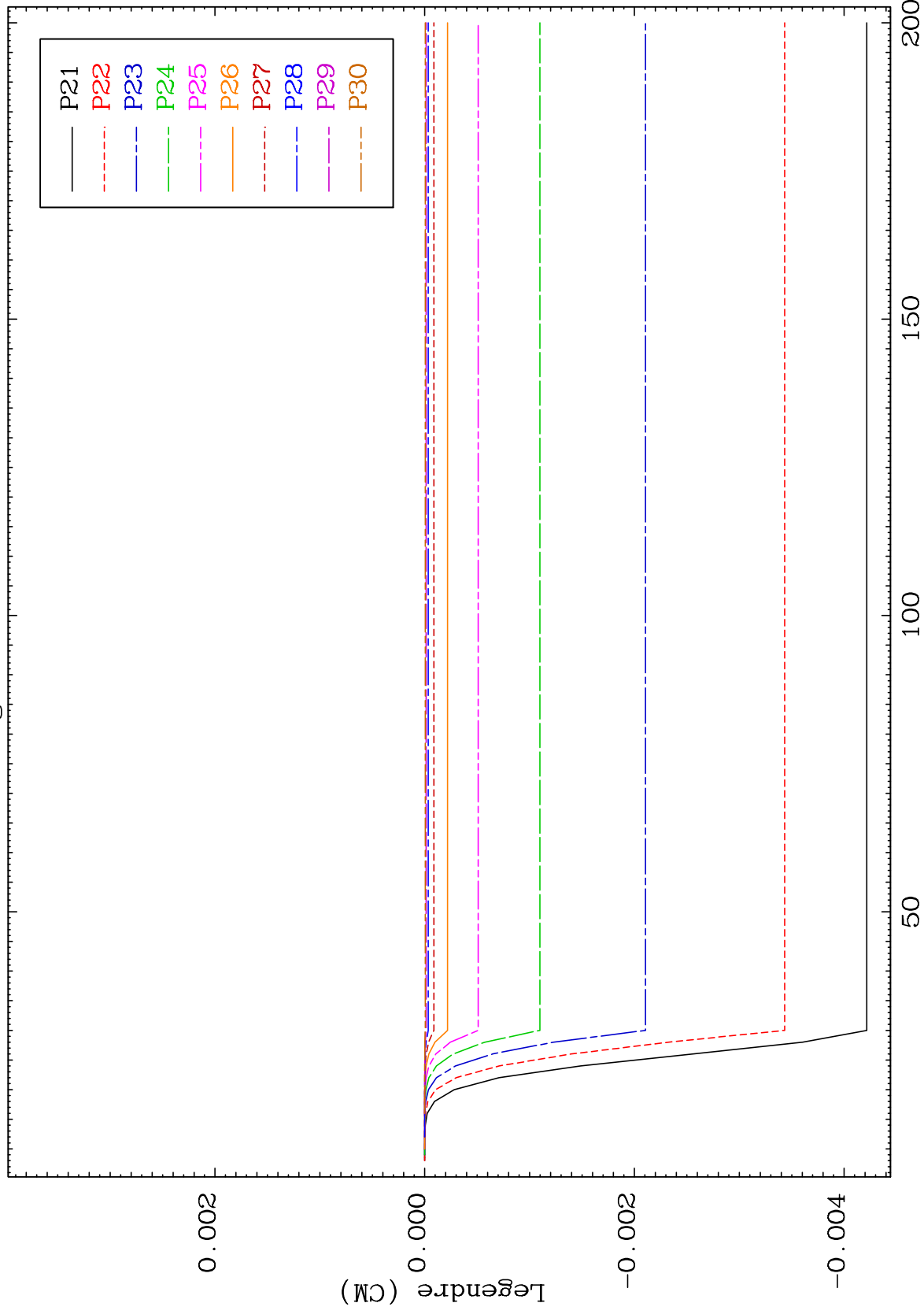




MAT 8216

1.876 MeV (n,n') Level  
Legendre Coefficients

82-Pb-201



98

Incident Energy (MeV)

82-Pb-201

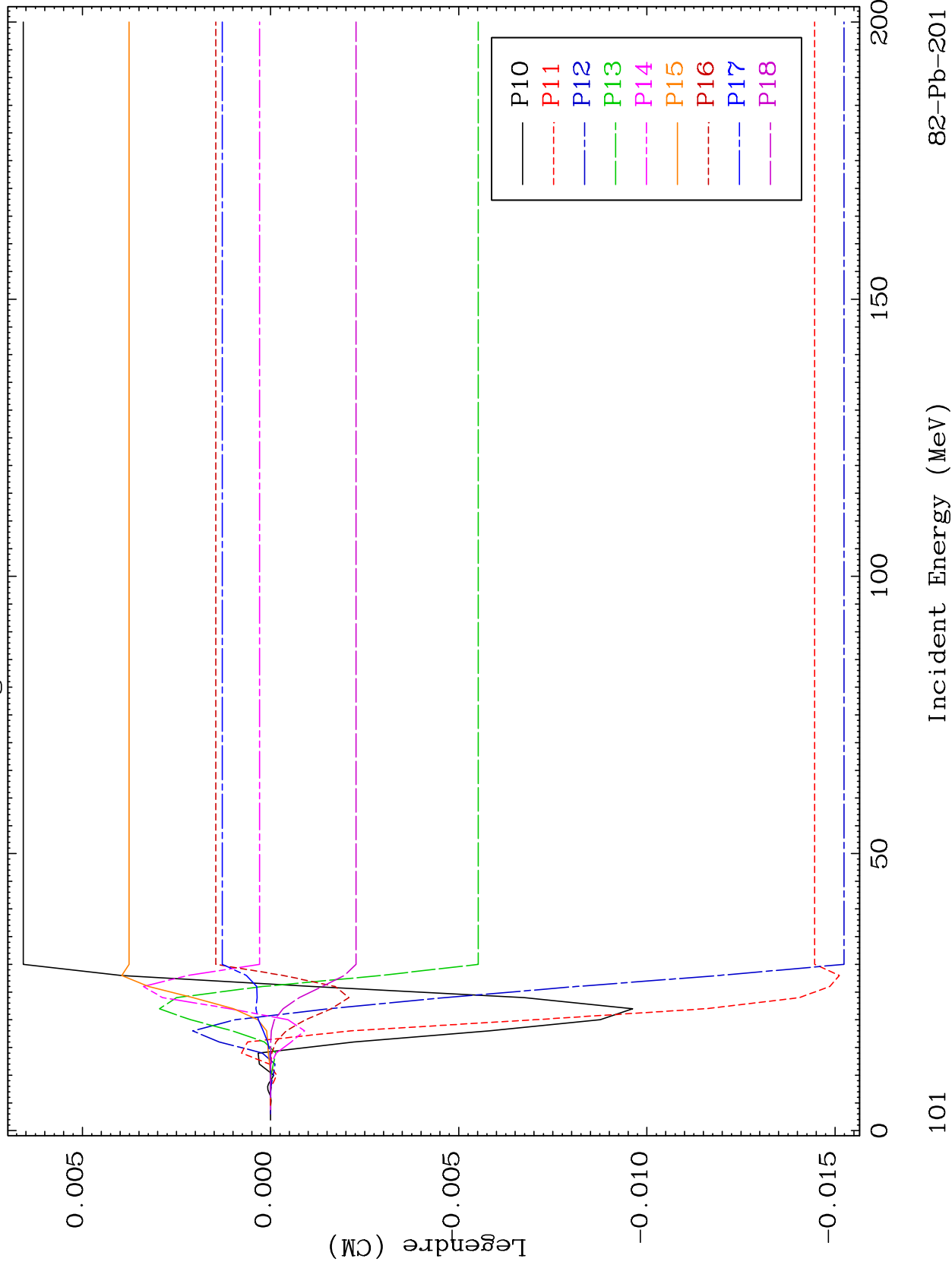




MAT 8216

1.897 MeV (n, n') Level  
Legendre Coefficients

82-Pb-201



82-Pb-201

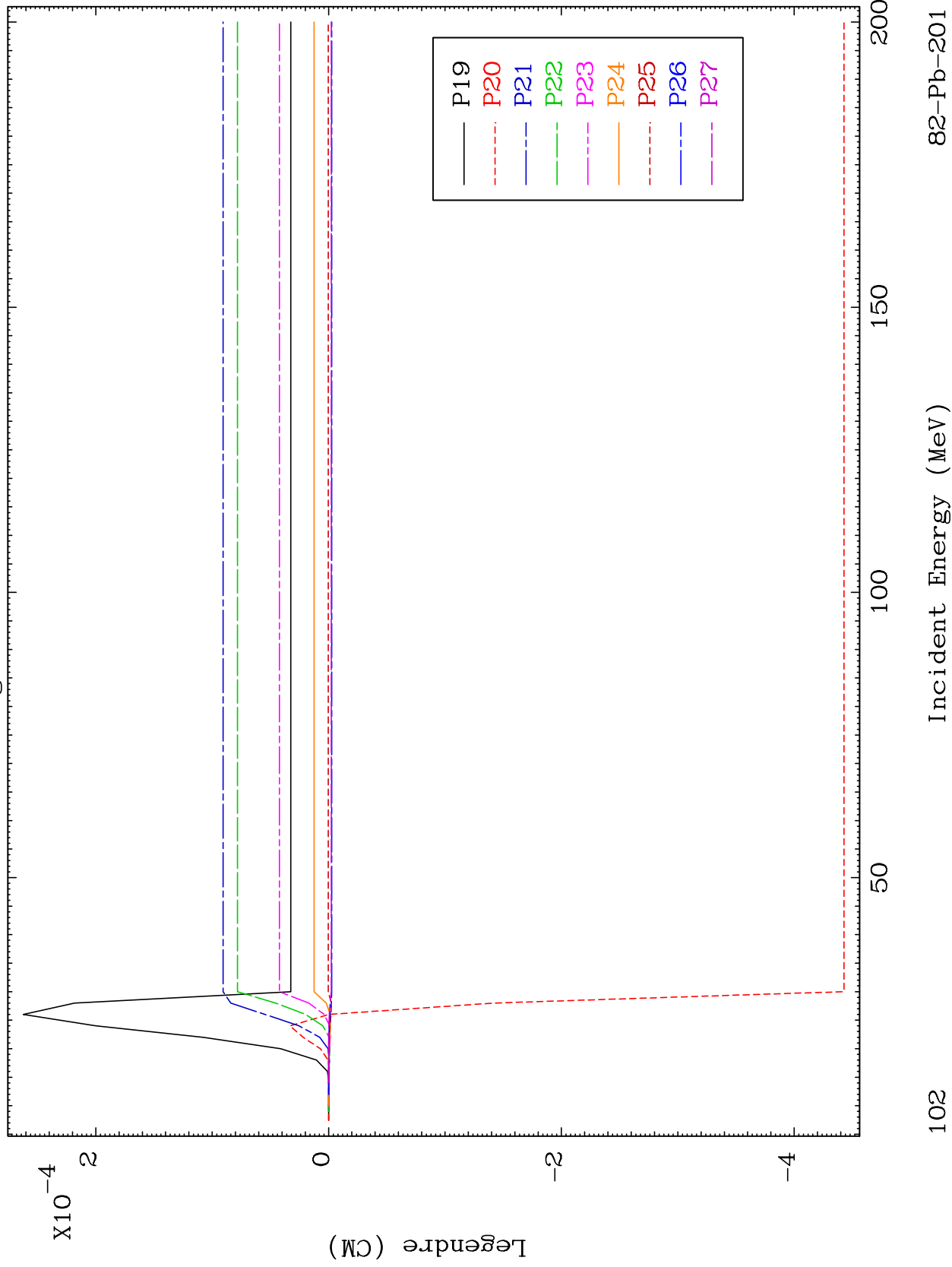
Incident Energy (MeV)

101

MAT 8216

1.897 MeV (n,n') Level  
Legendre Coefficients

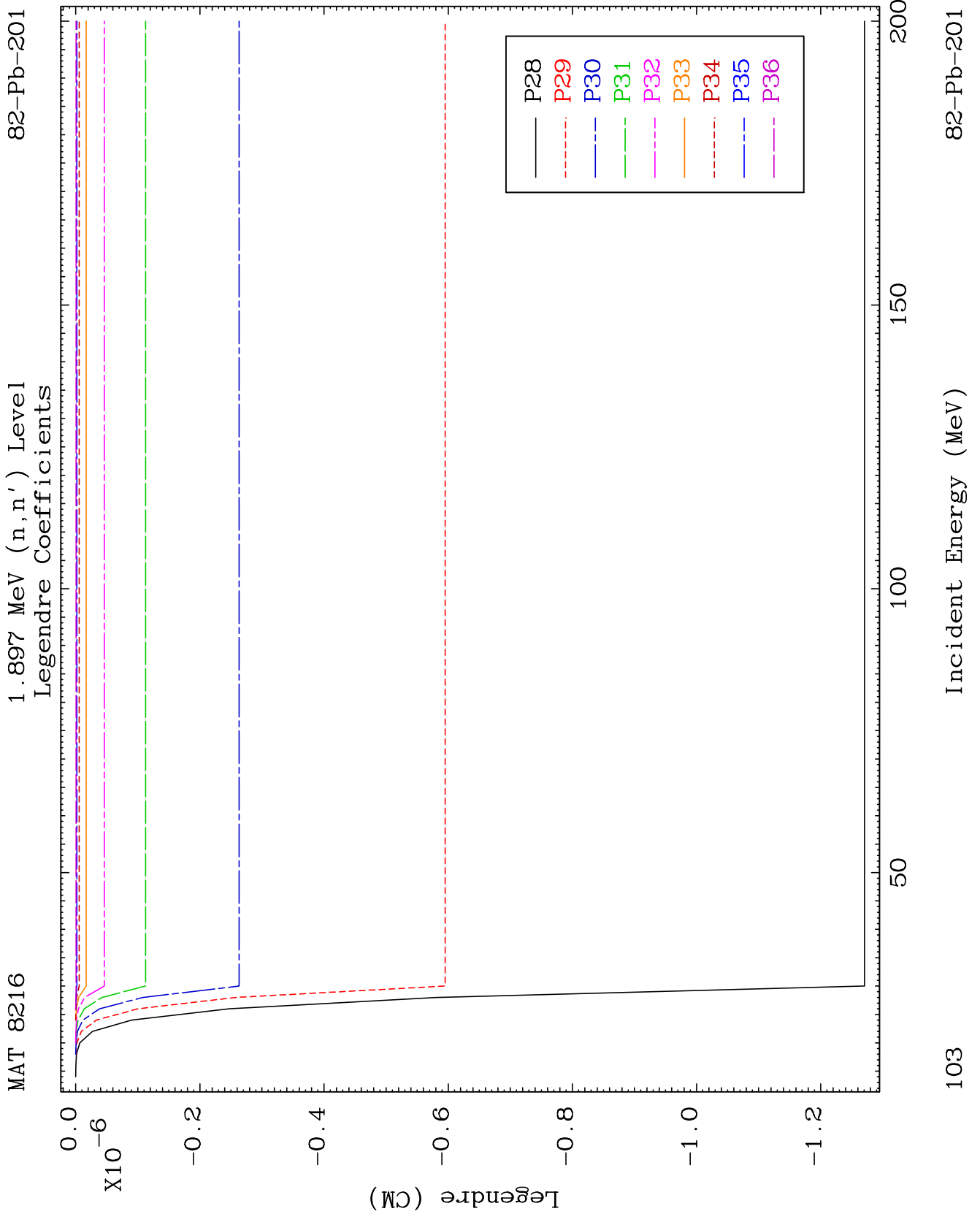
82-Pb-201



102

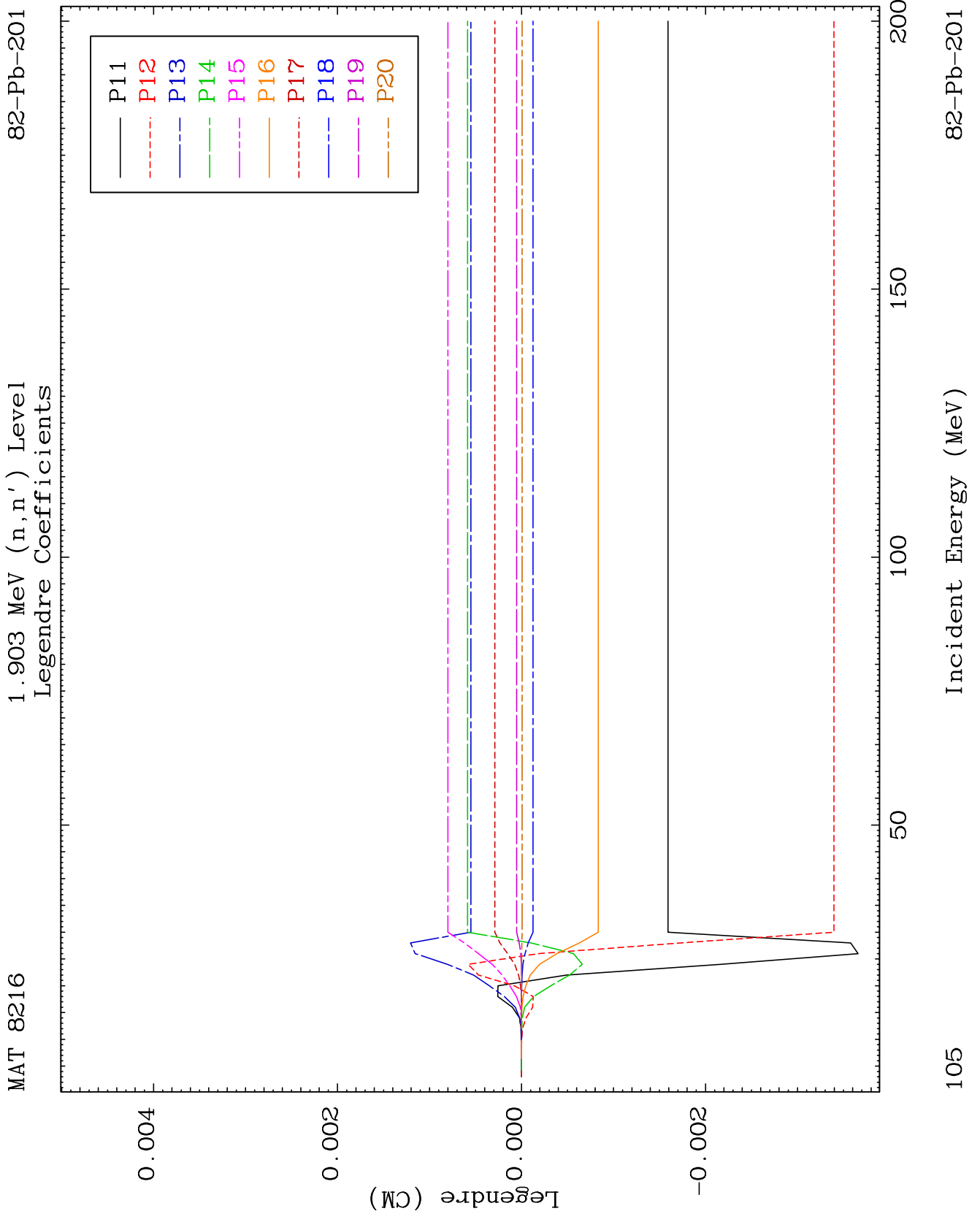
Incident Energy (MeV)

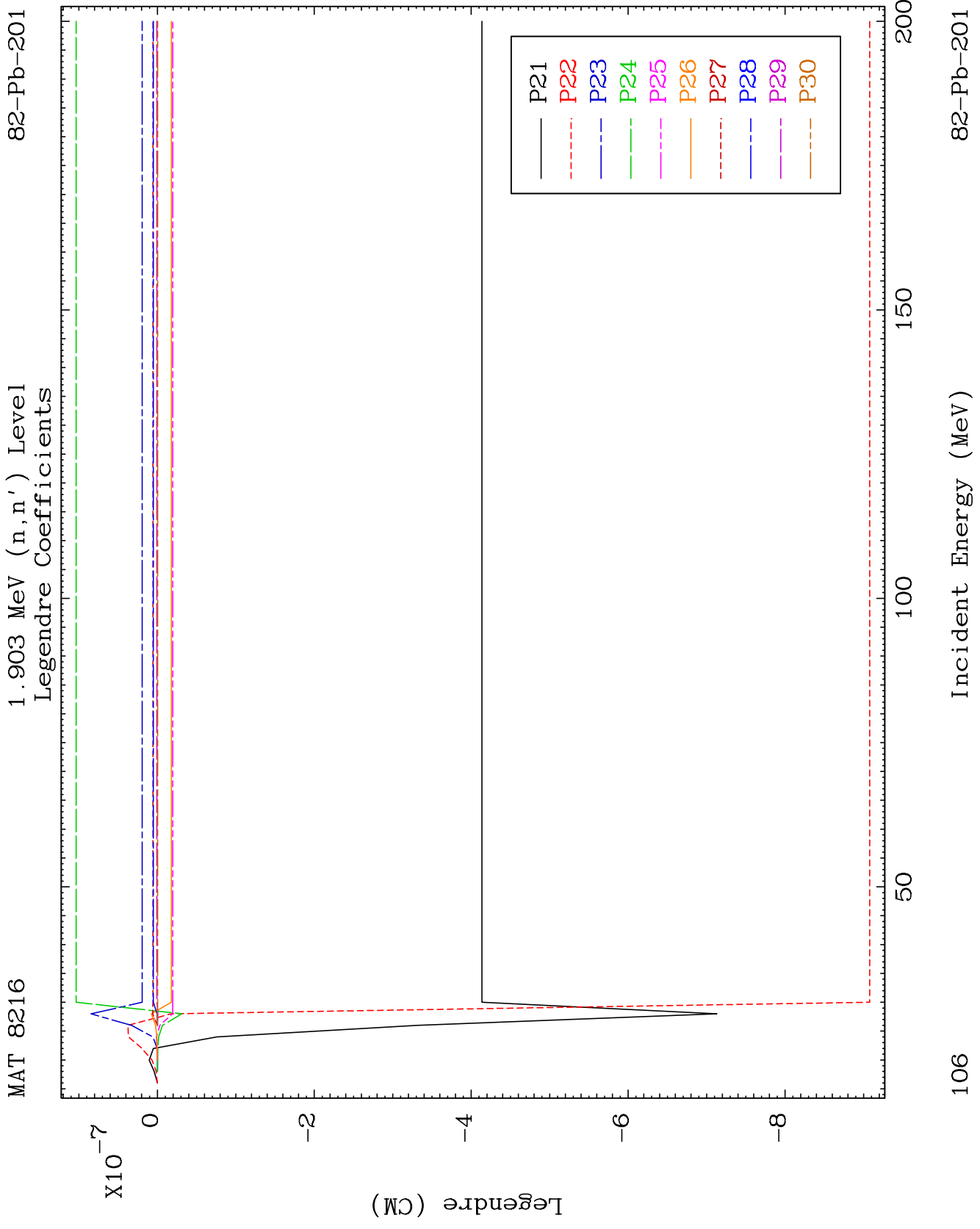
82-Pb-201

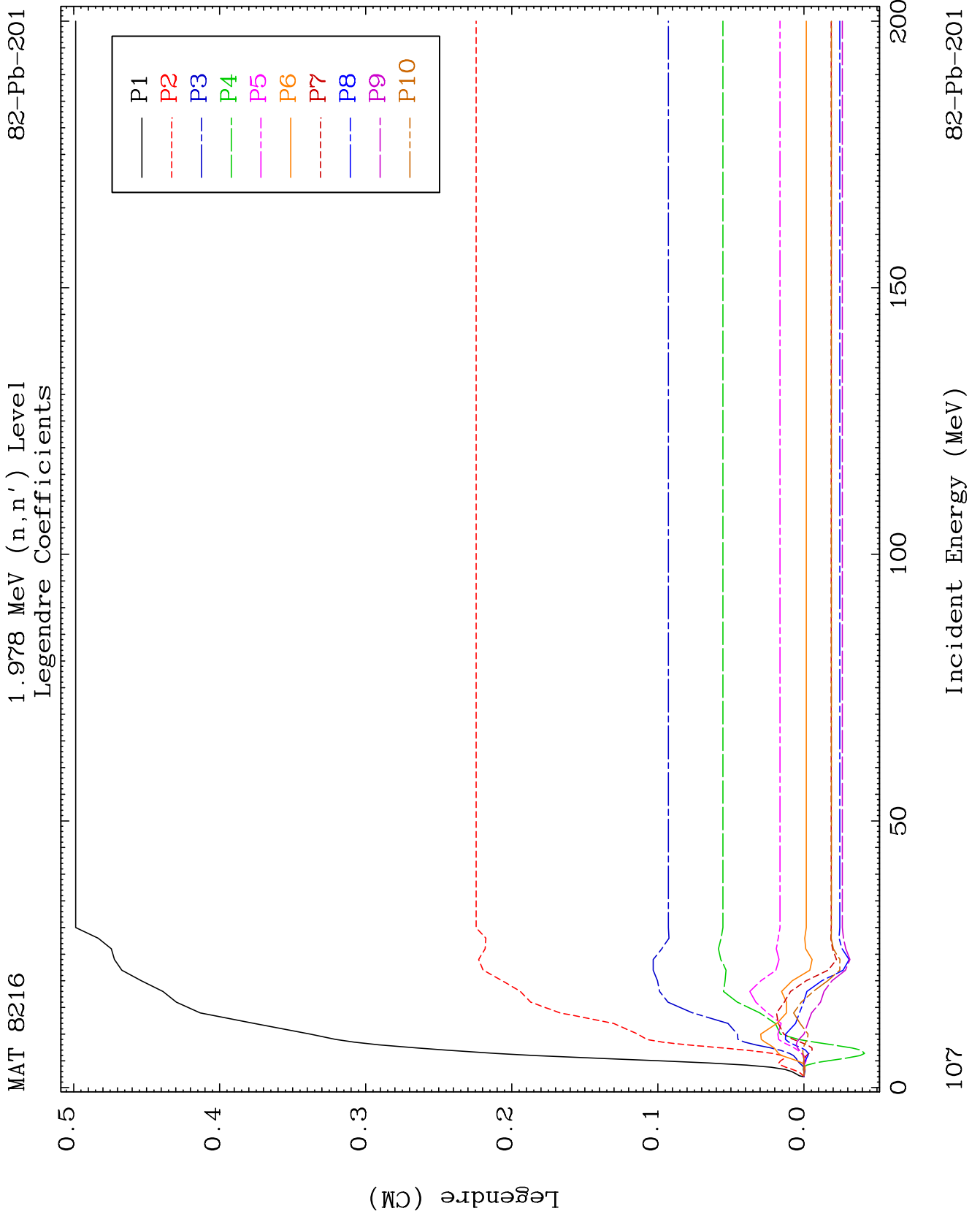








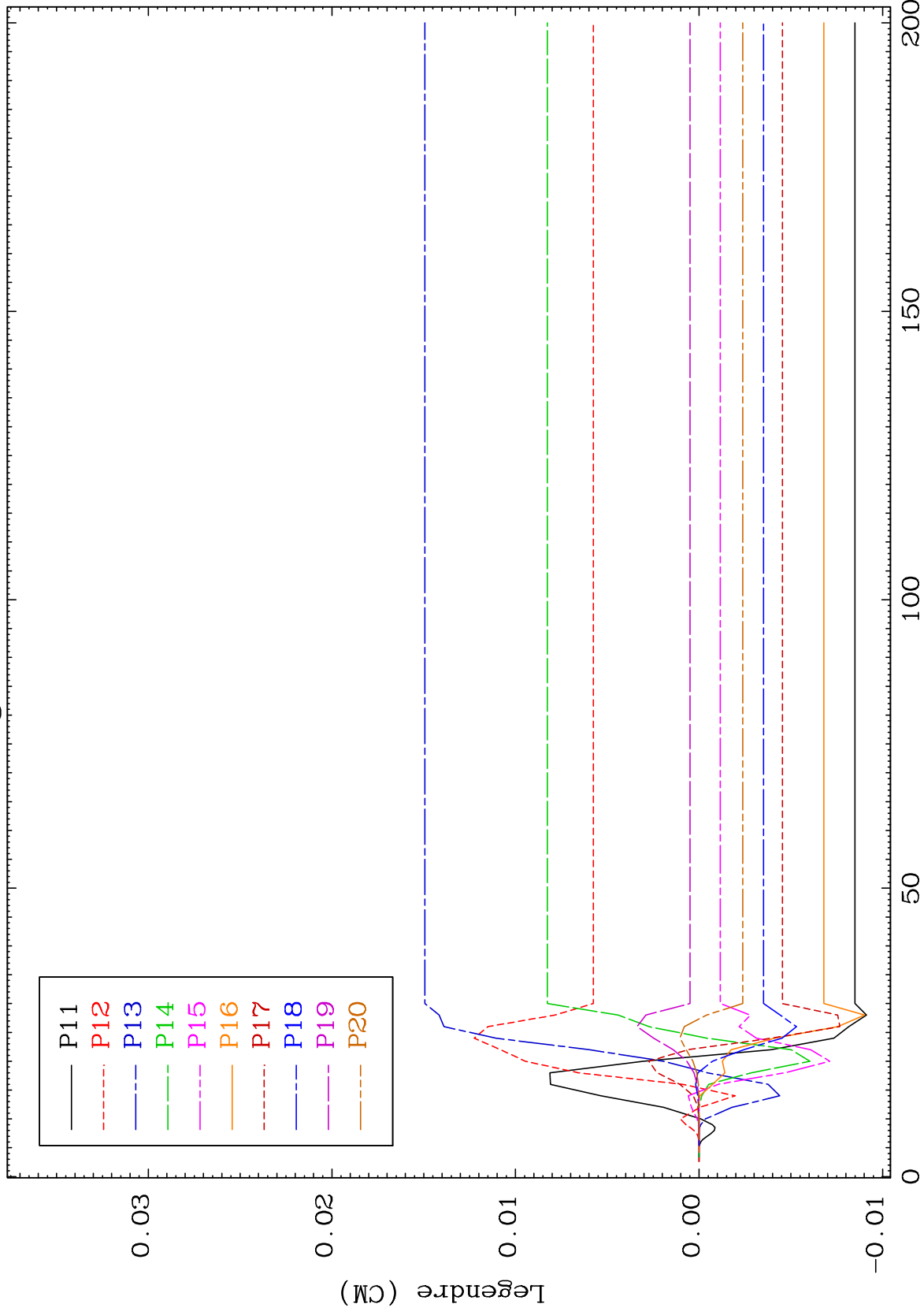




MAT 8216

1.978 MeV (n,n') Level  
Legendre Coefficients

82-Pb-201



108

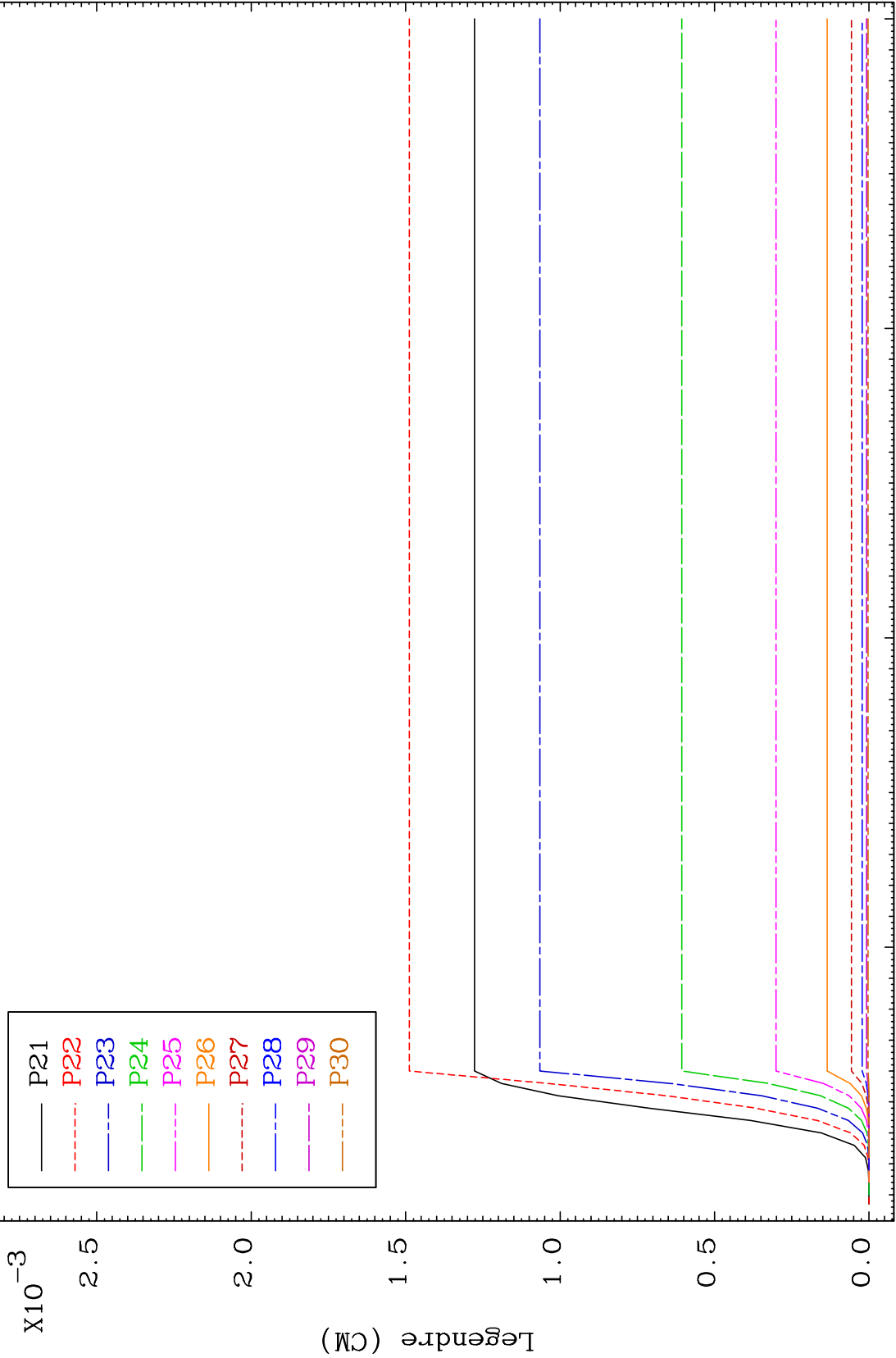
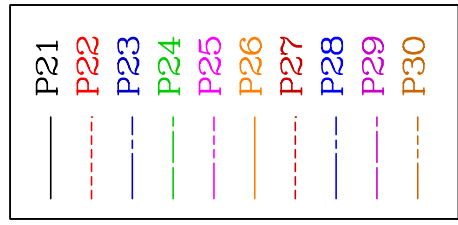
Incident Energy (MeV)

82-Pb-201

MAT 8216

1.978 MeV (n,n') Level  
Legendre Coefficients

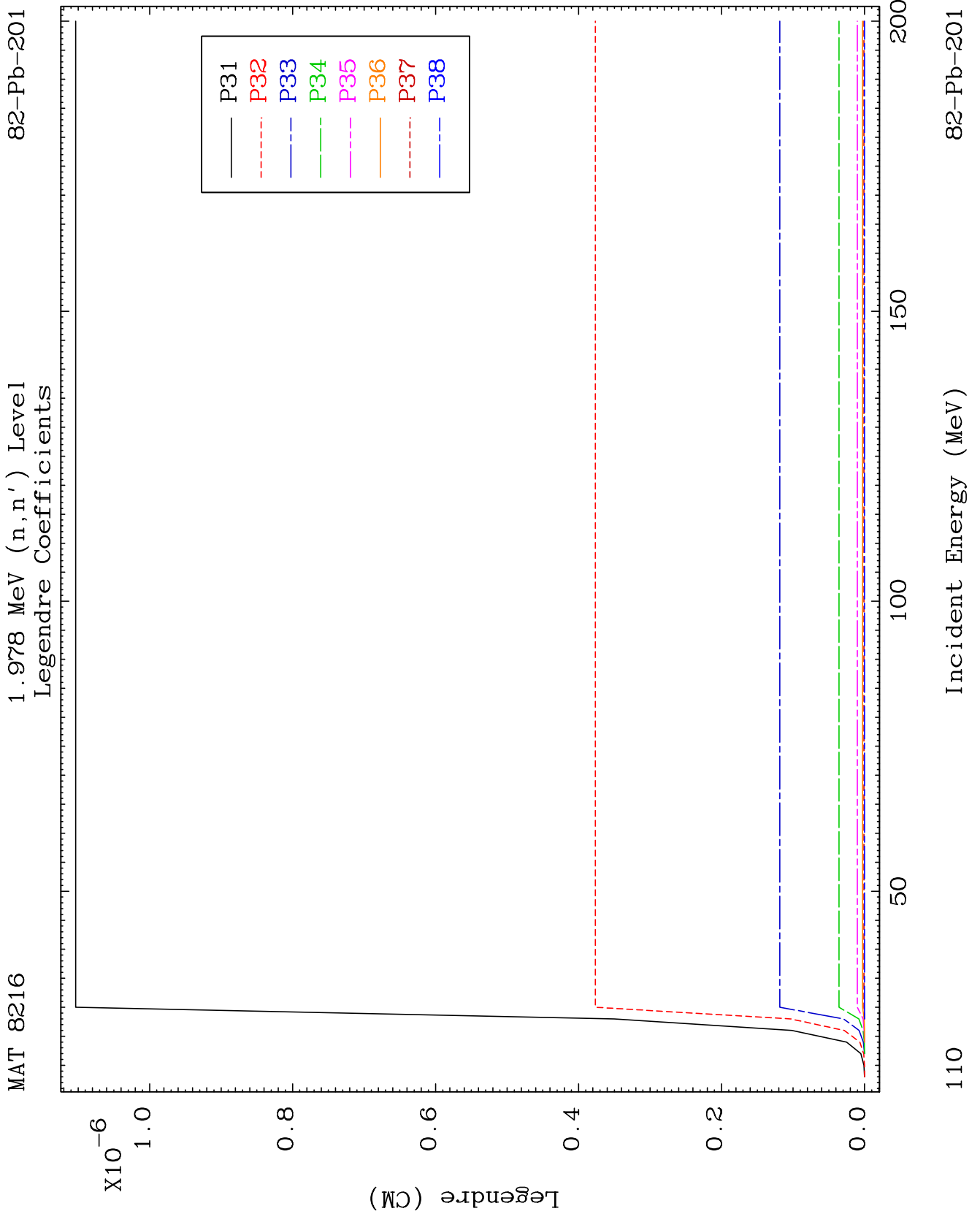
82-Pb-201



109

Incident Energy (MeV)

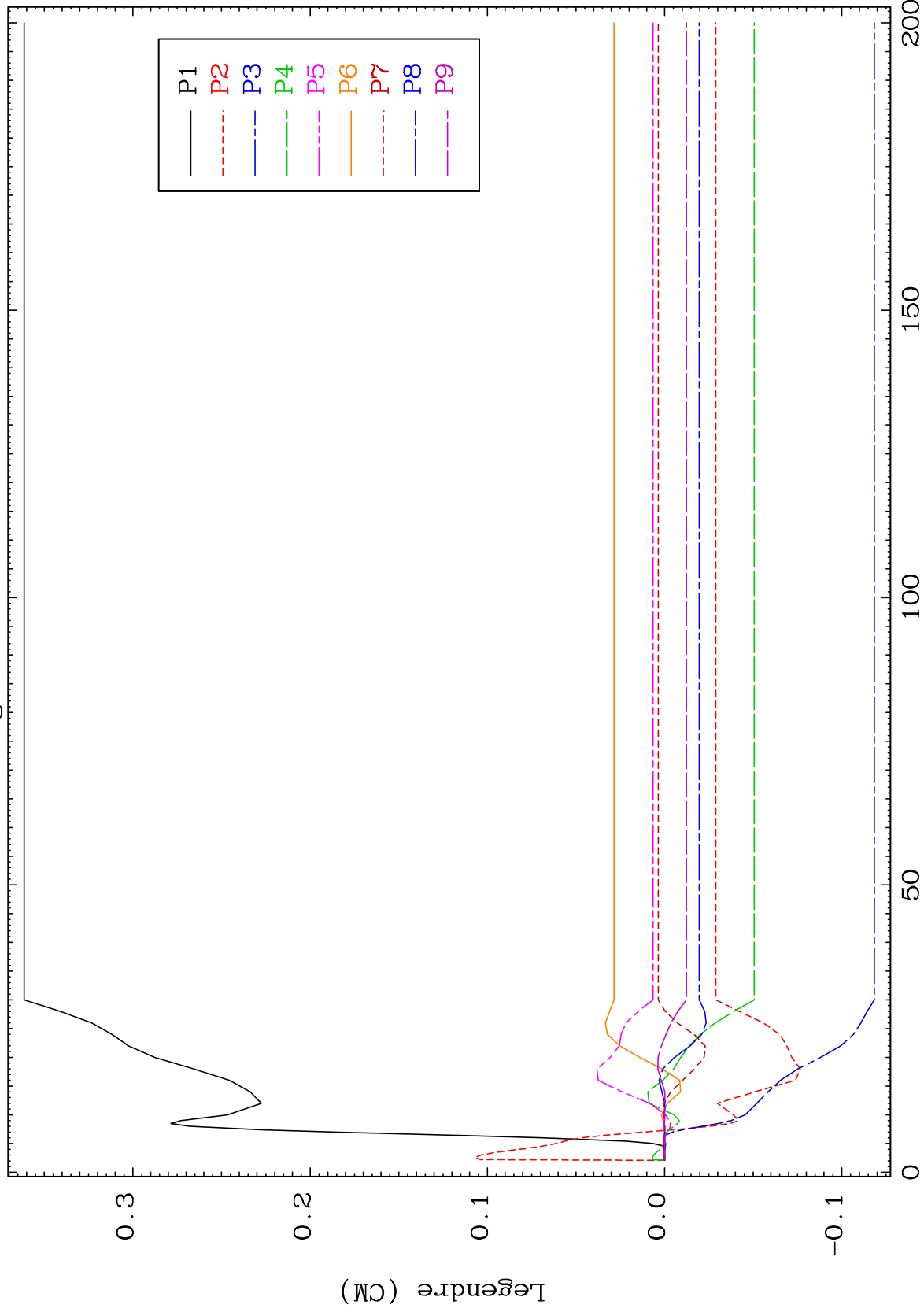
82-Pb-201



MAT 8216

2.069 MeV (n,n') Level  
Legendre Coefficients

82-Pb-201



111

Incident Energy (MeV)

82-Pb-201

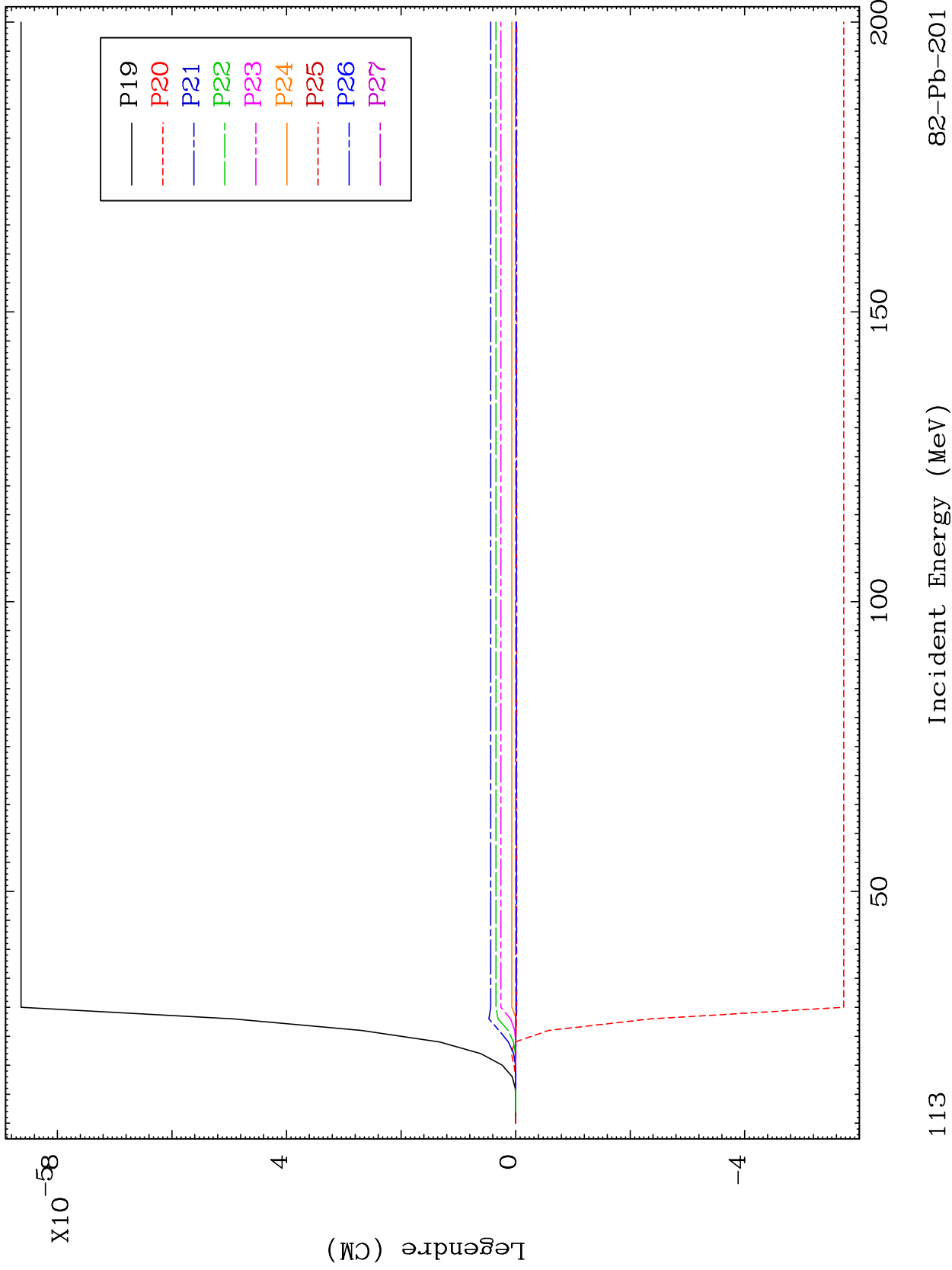




MAT 8216

2.069 MeV (n,n') Level  
Legendre Coefficients

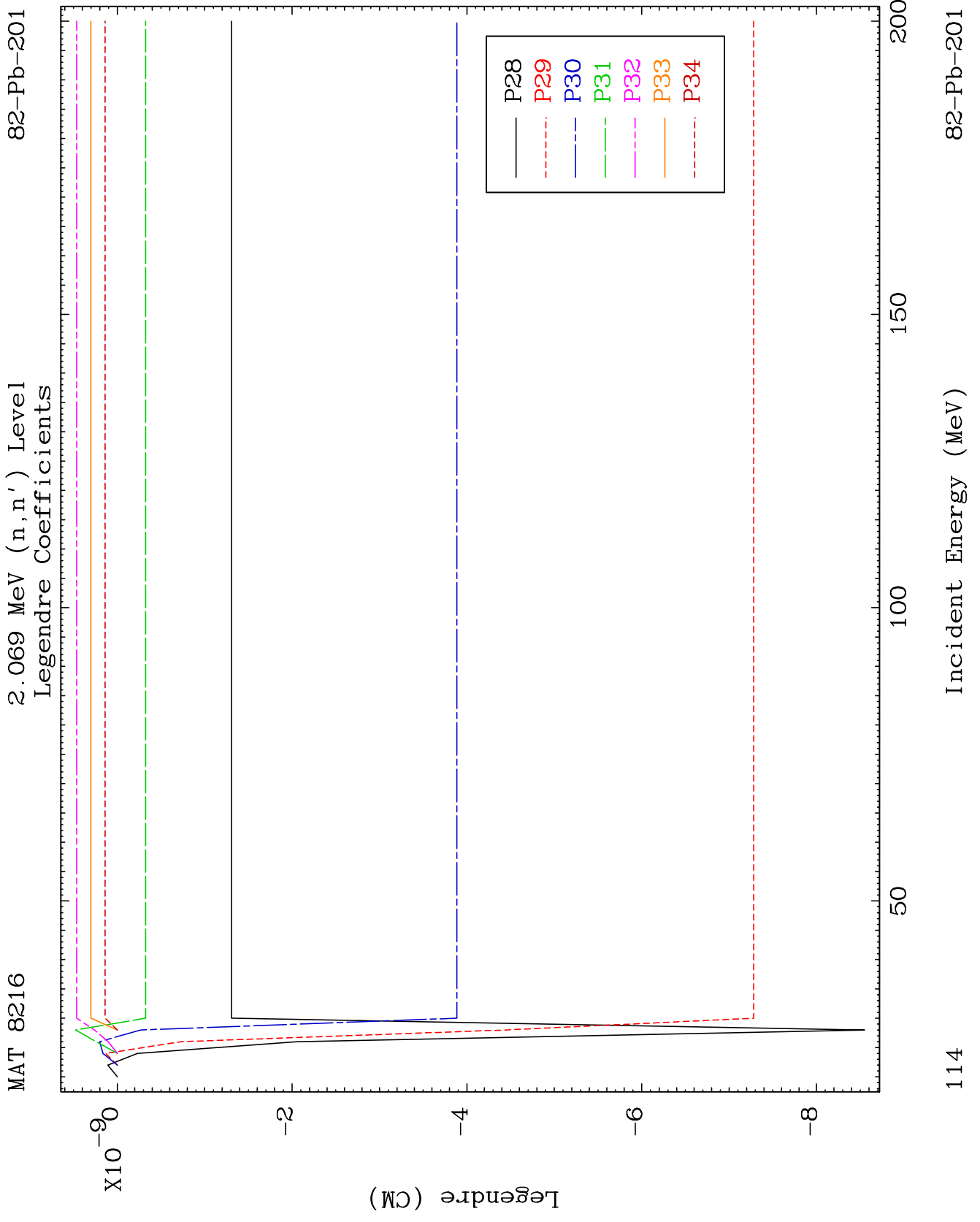
82-Pb-201

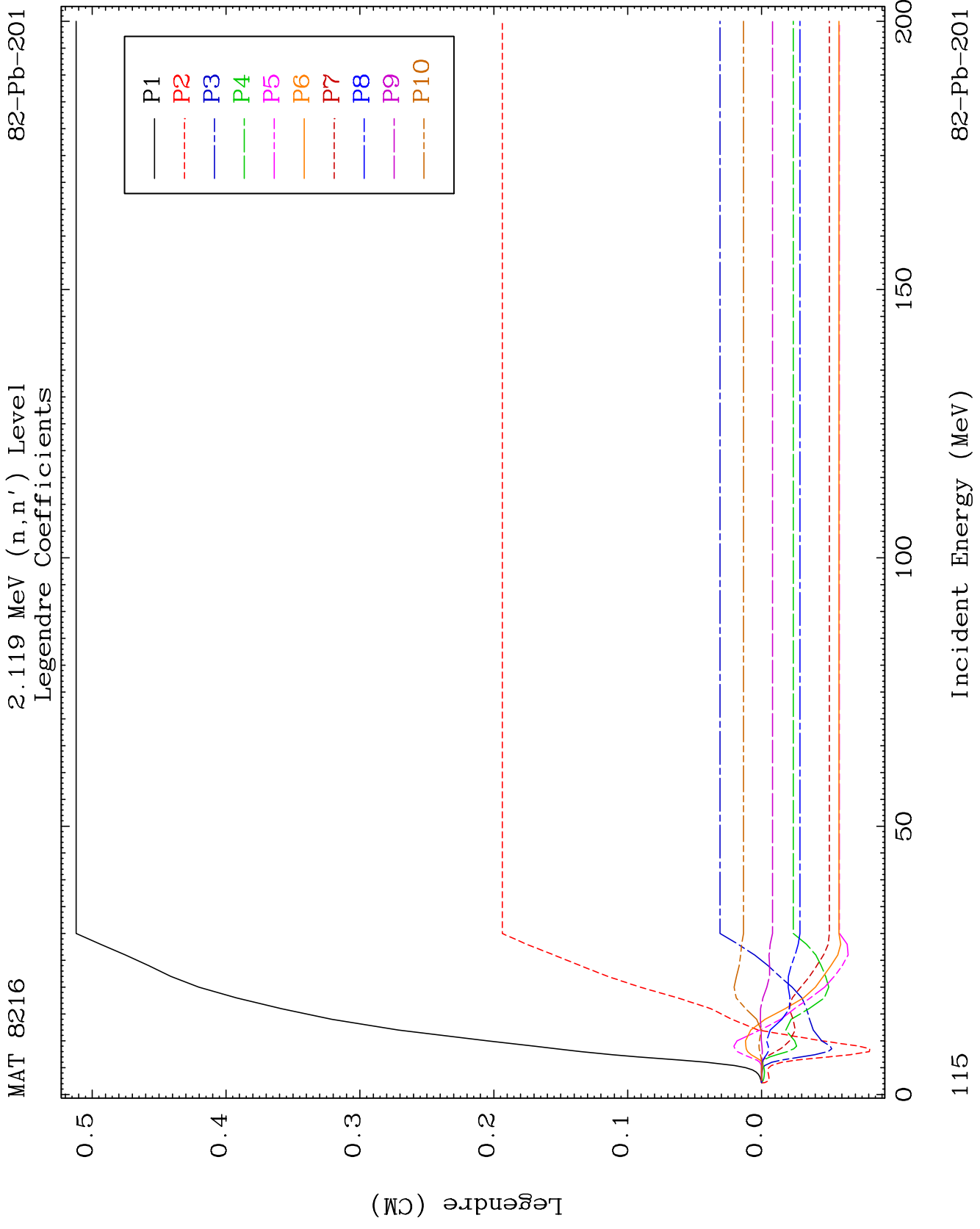


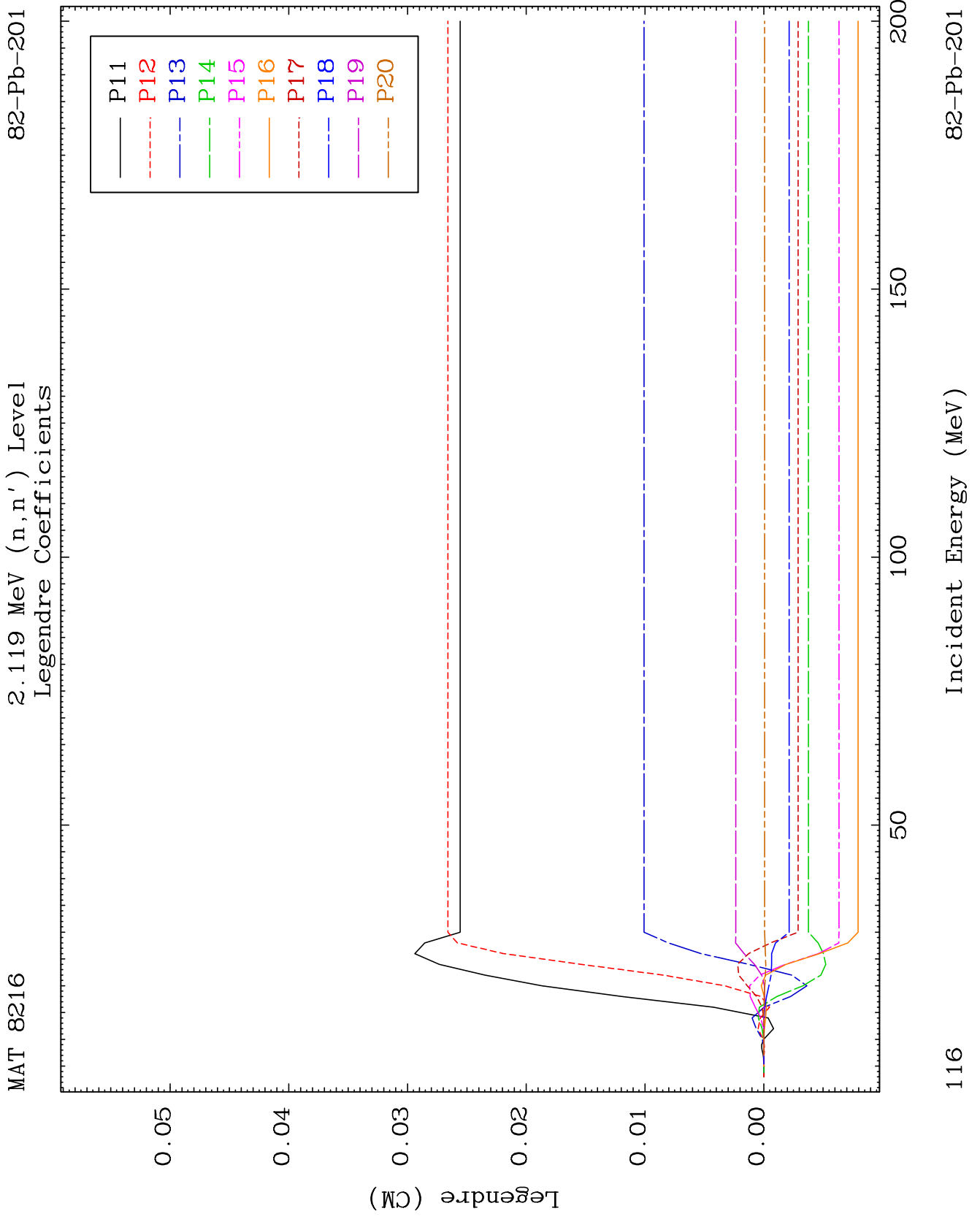
113

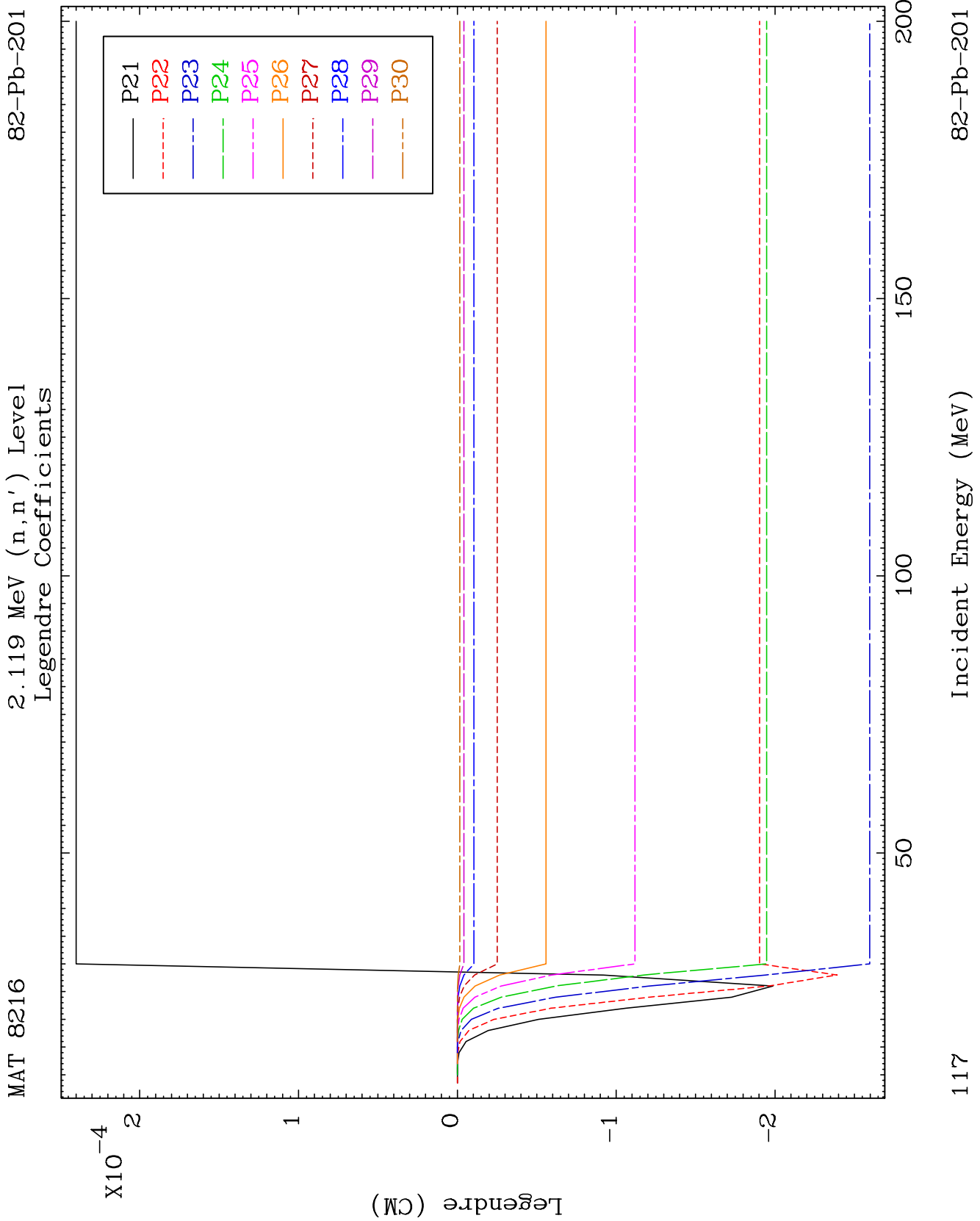
Incident Energy (MeV)

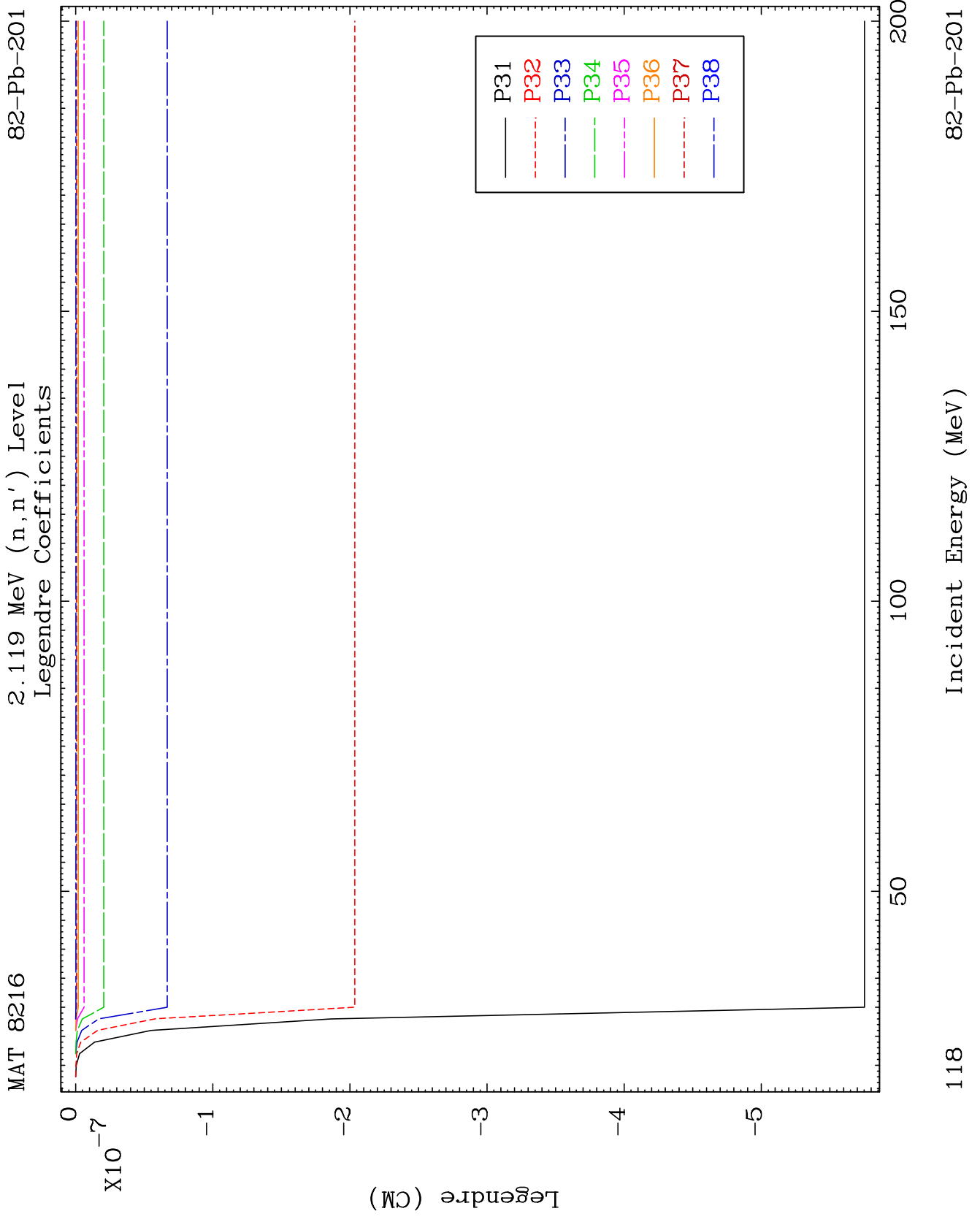
82-Pb-201

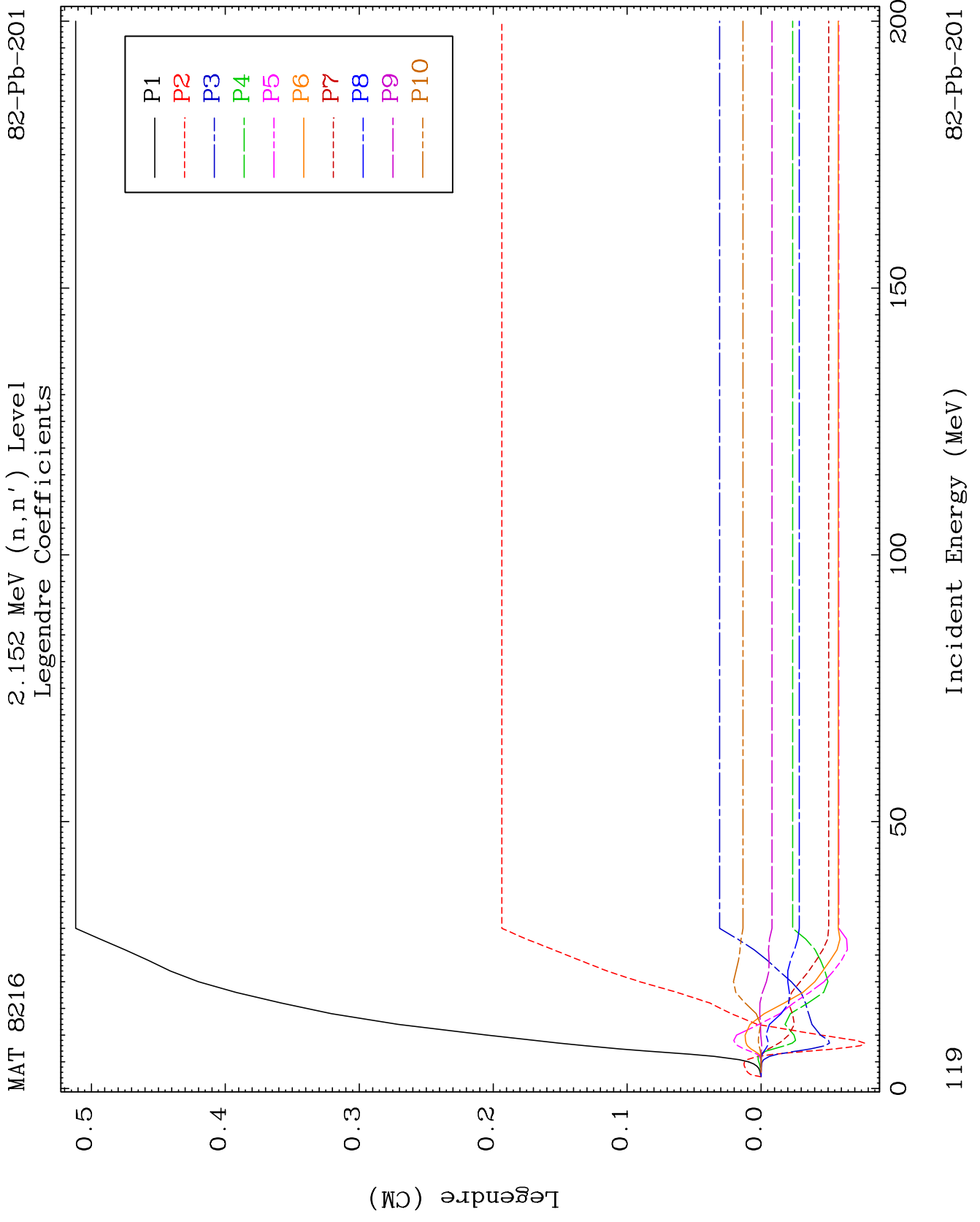






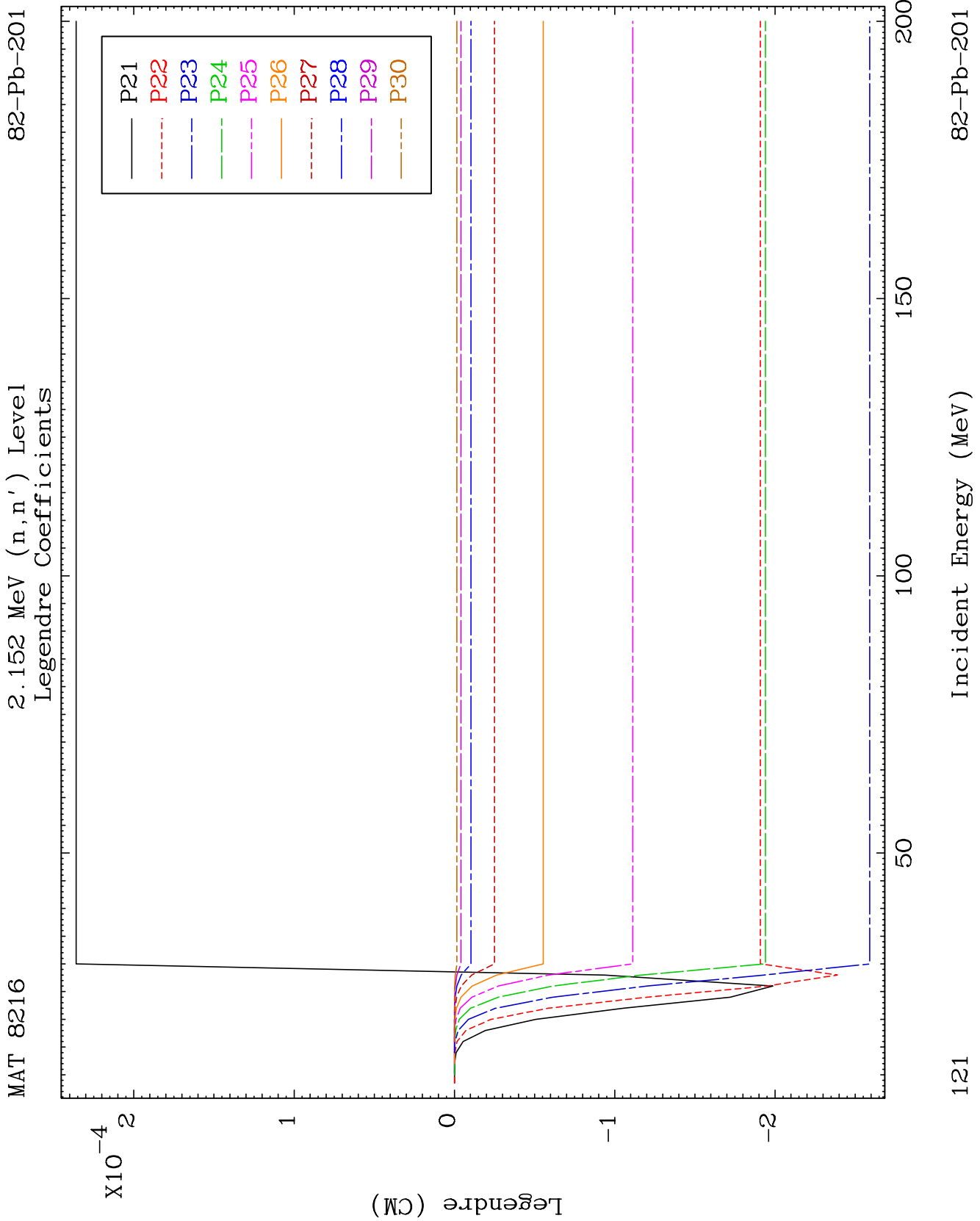


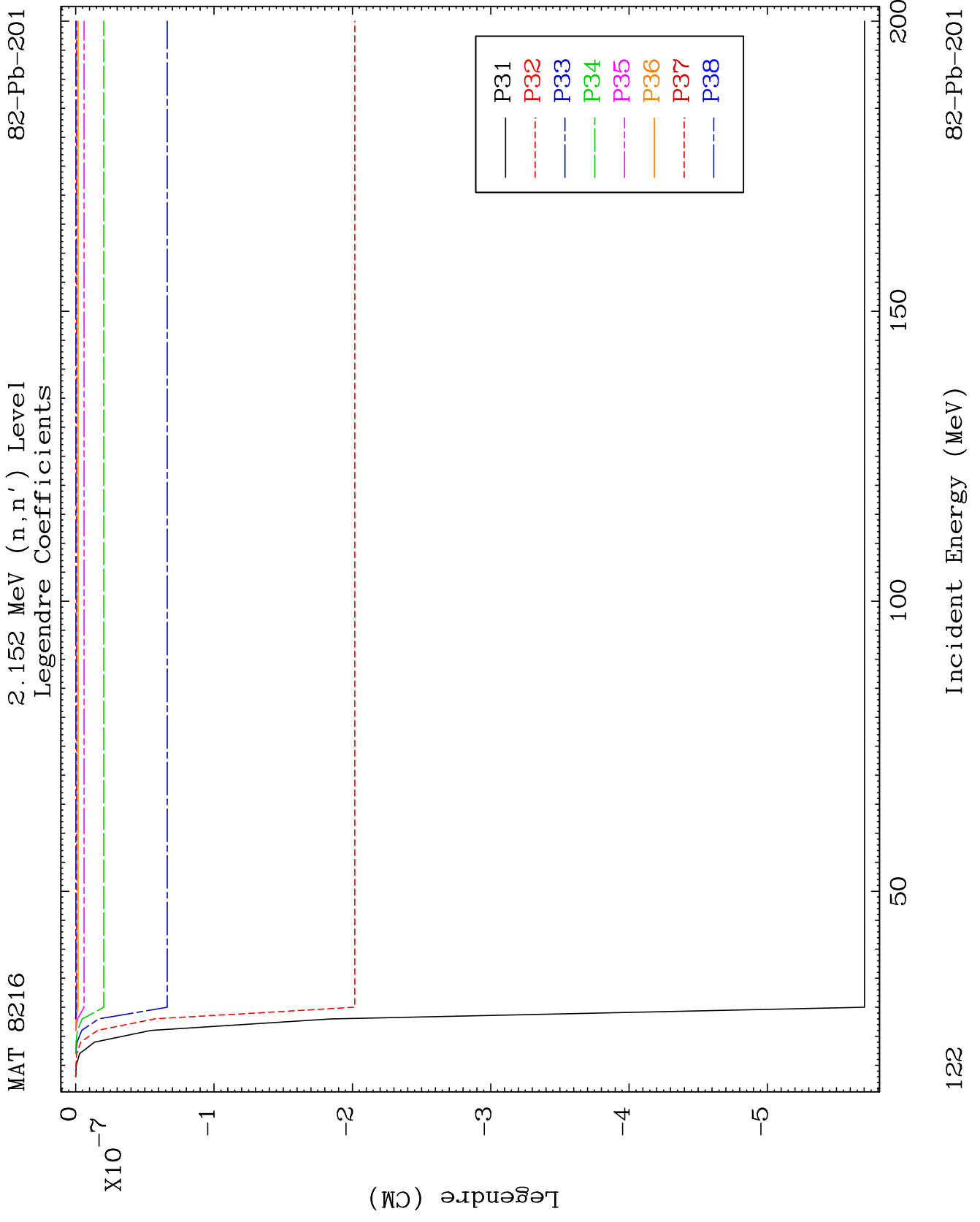


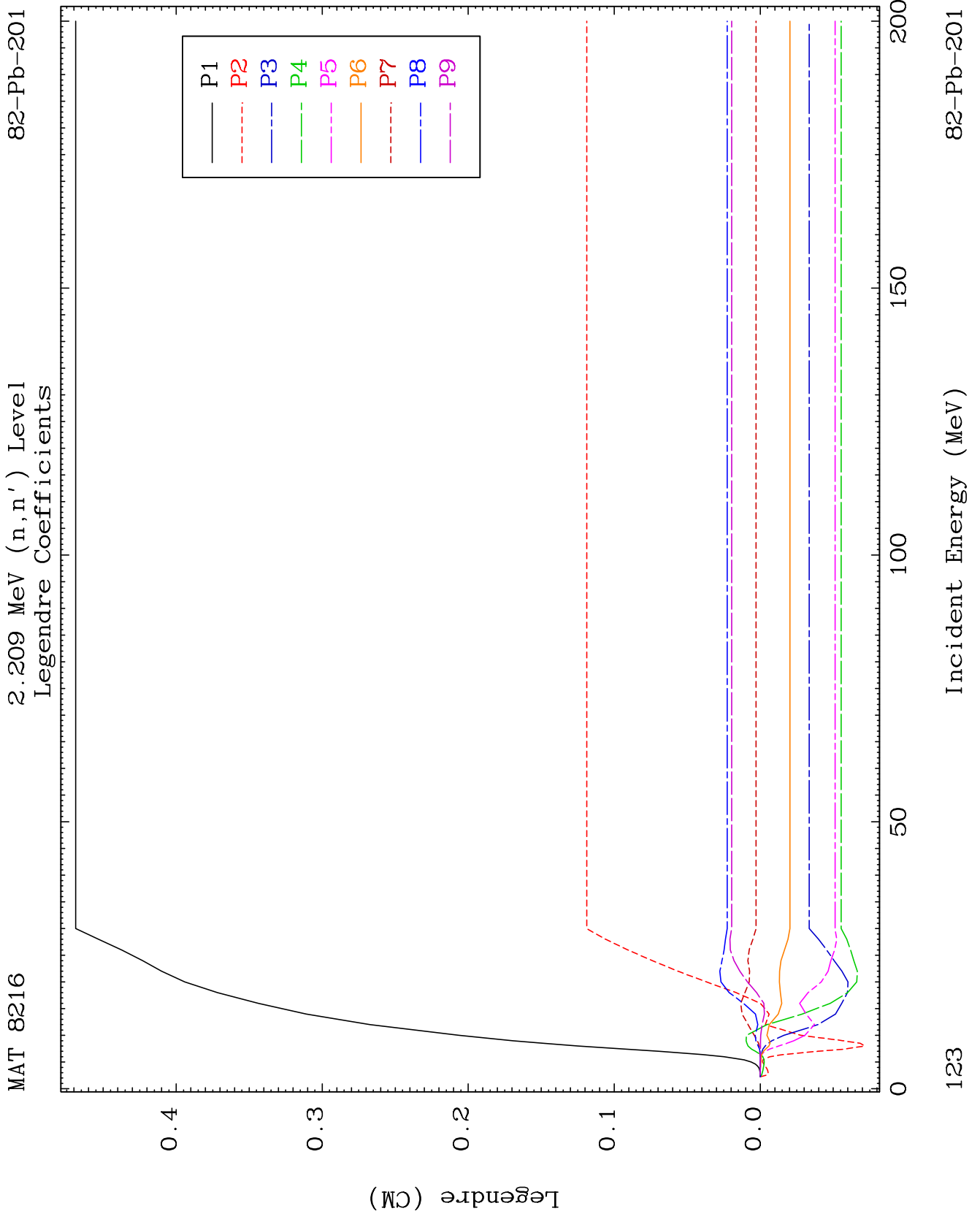








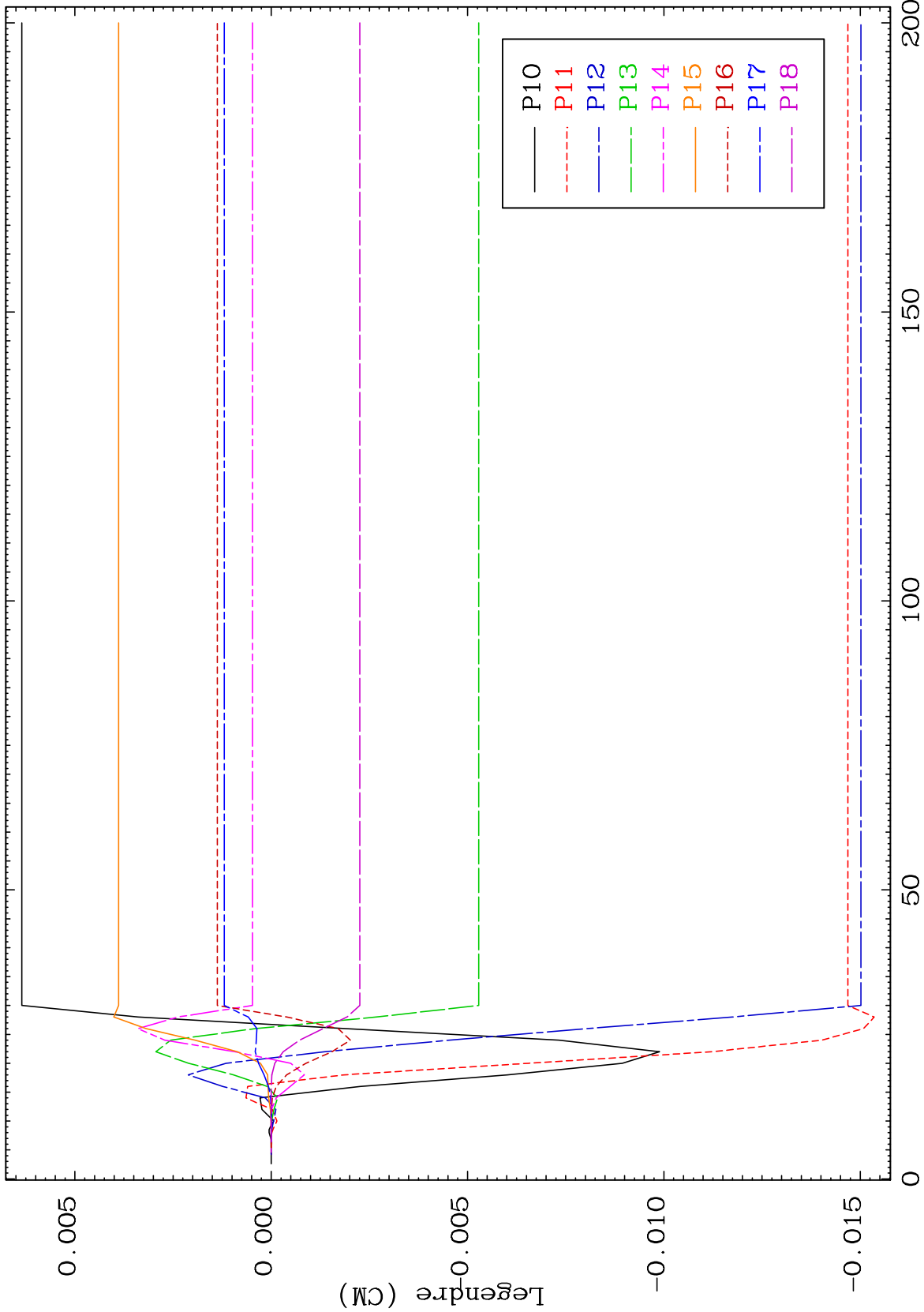




MAT 8216

2.209 MeV (n, n') Level  
Legendre Coefficients

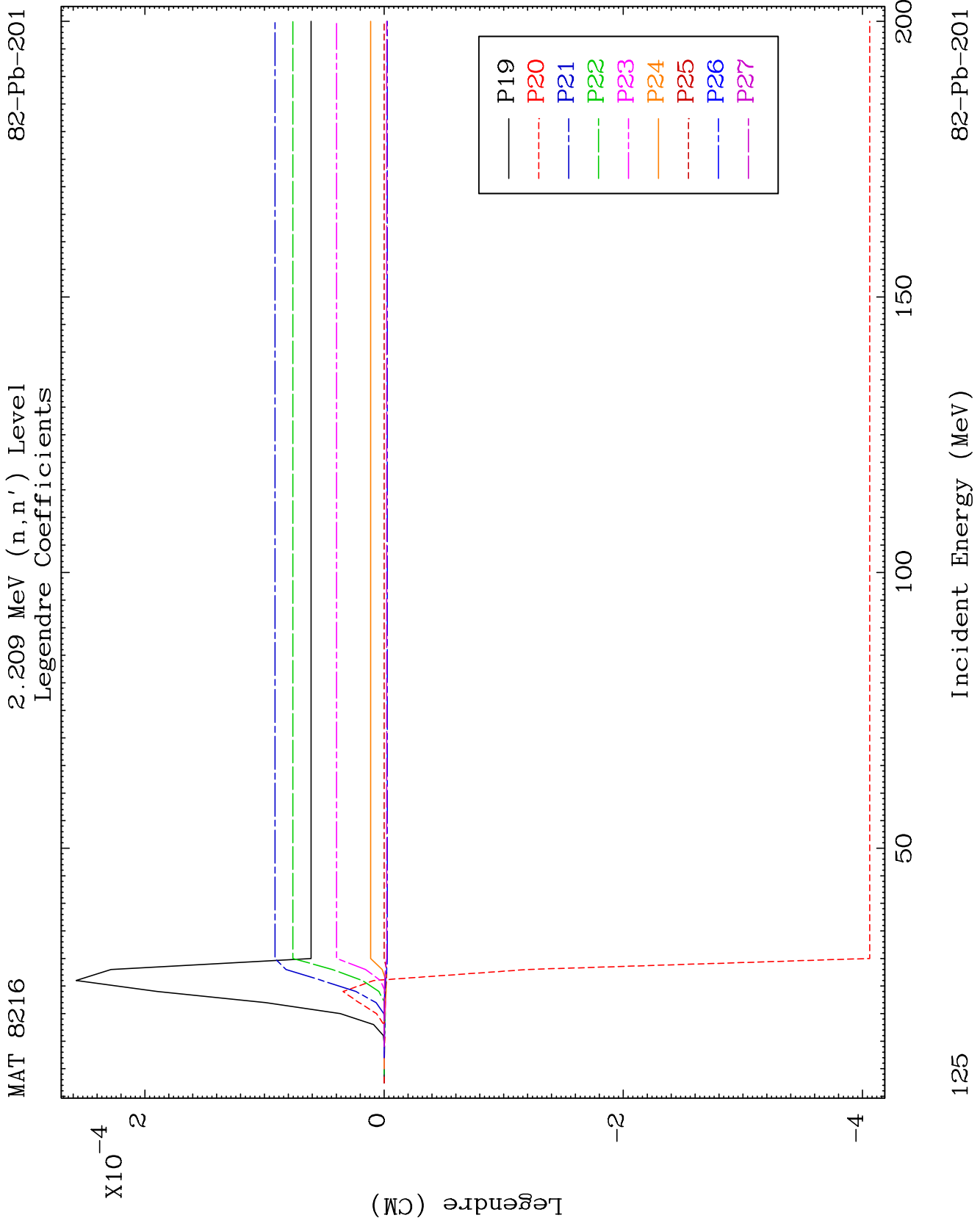
82-Pb-201

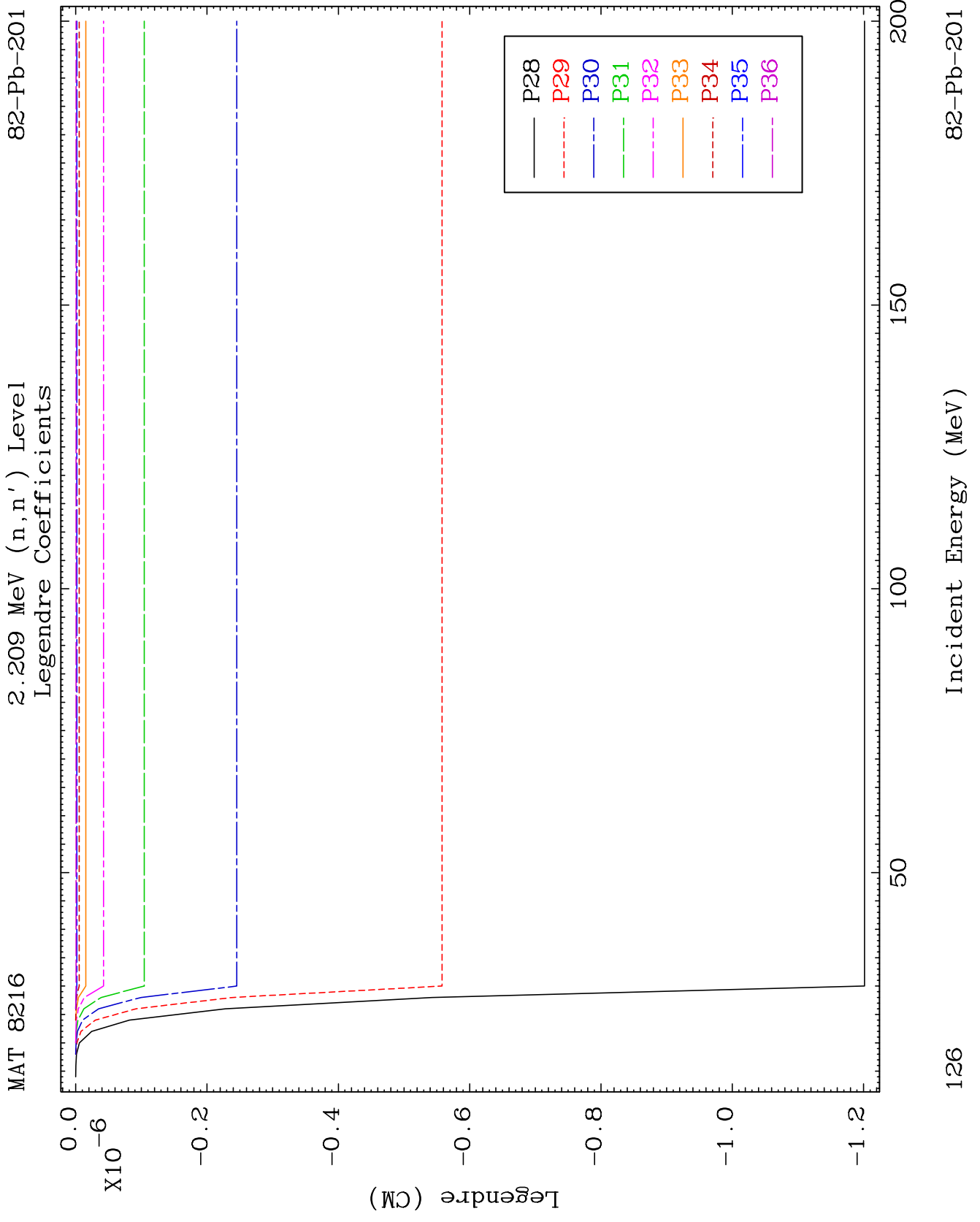


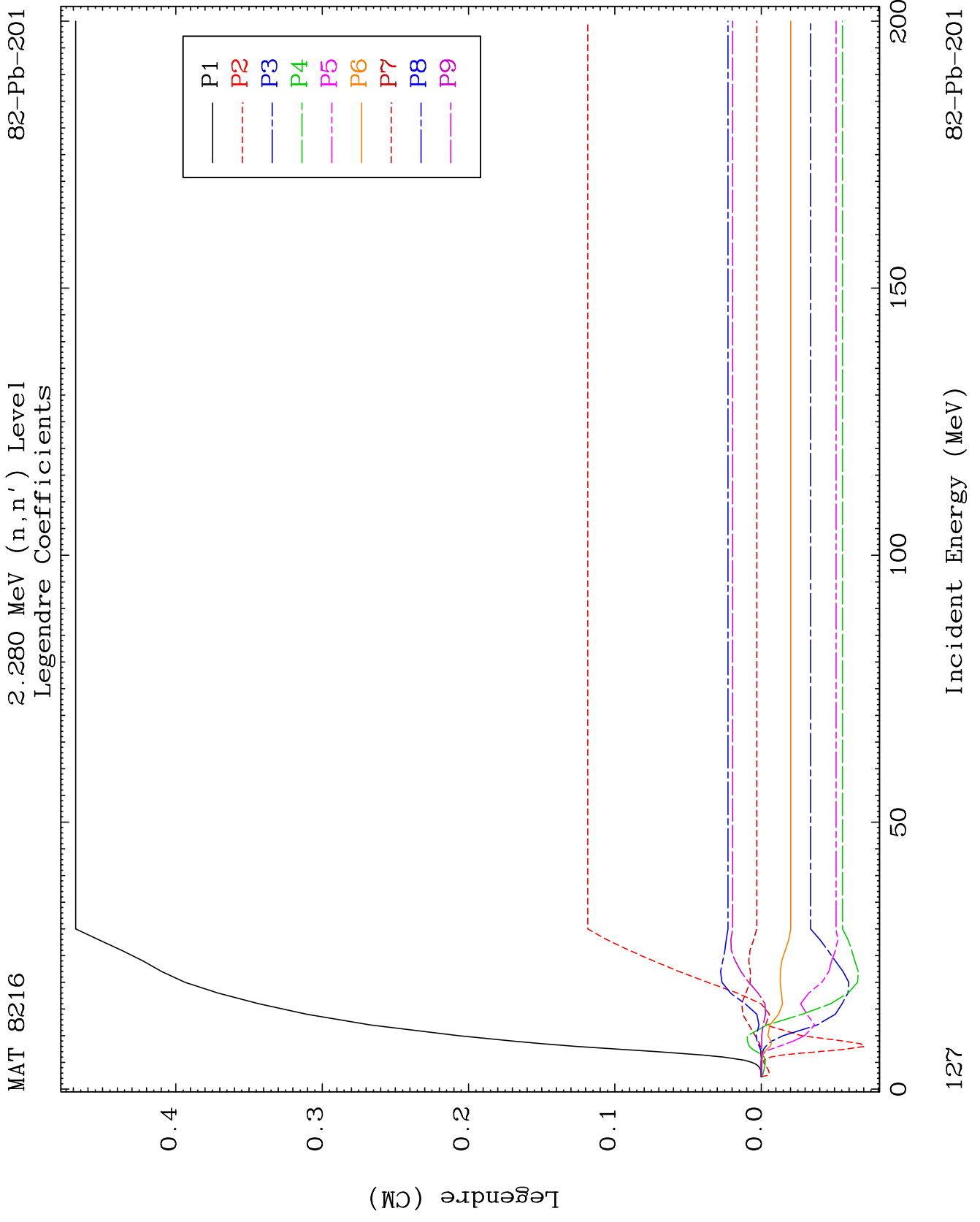
124

Incident Energy (MeV)

82-Pb-201





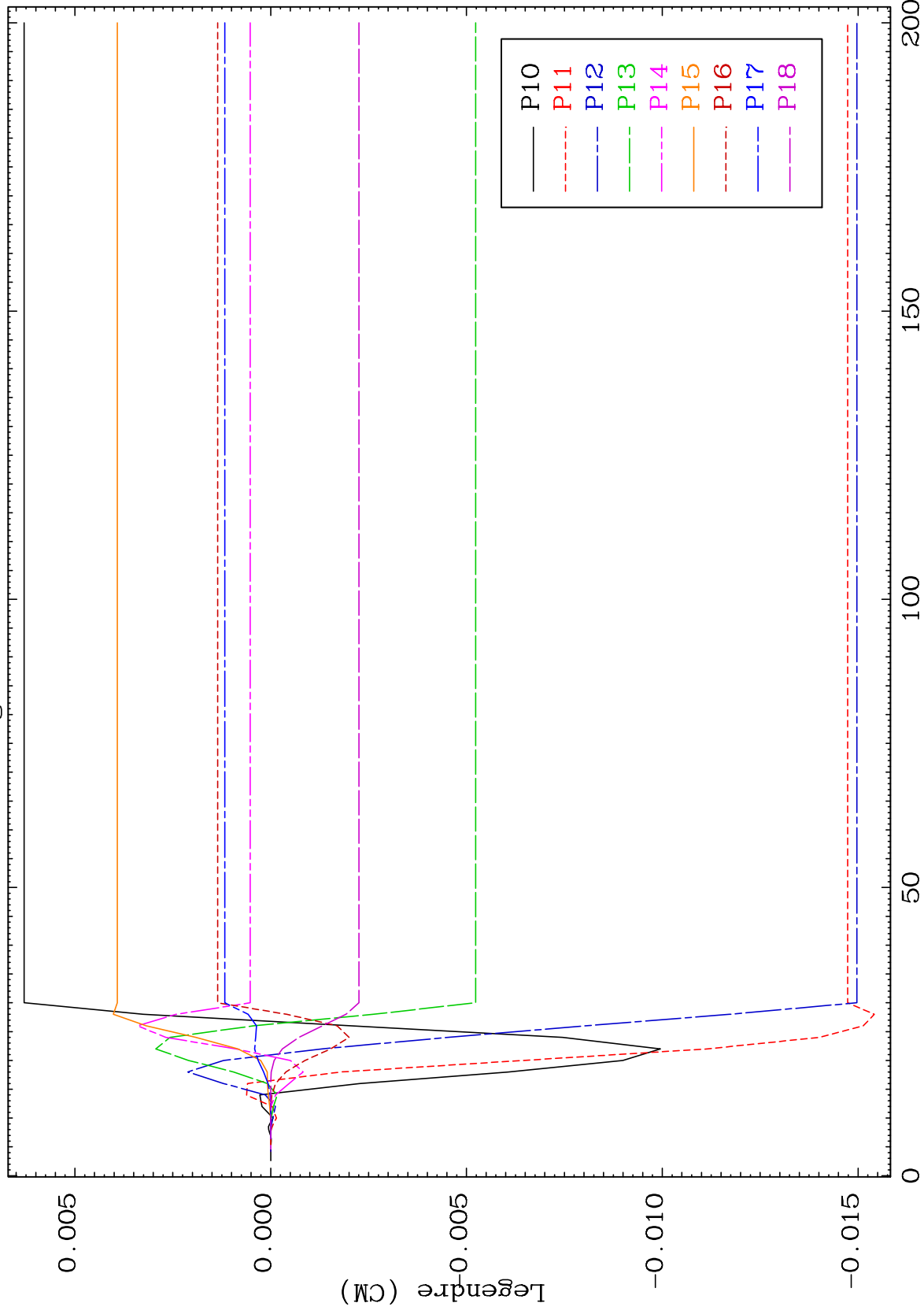




MAT 8216

2.280 MeV (n, n') Level  
Legendre Coefficients

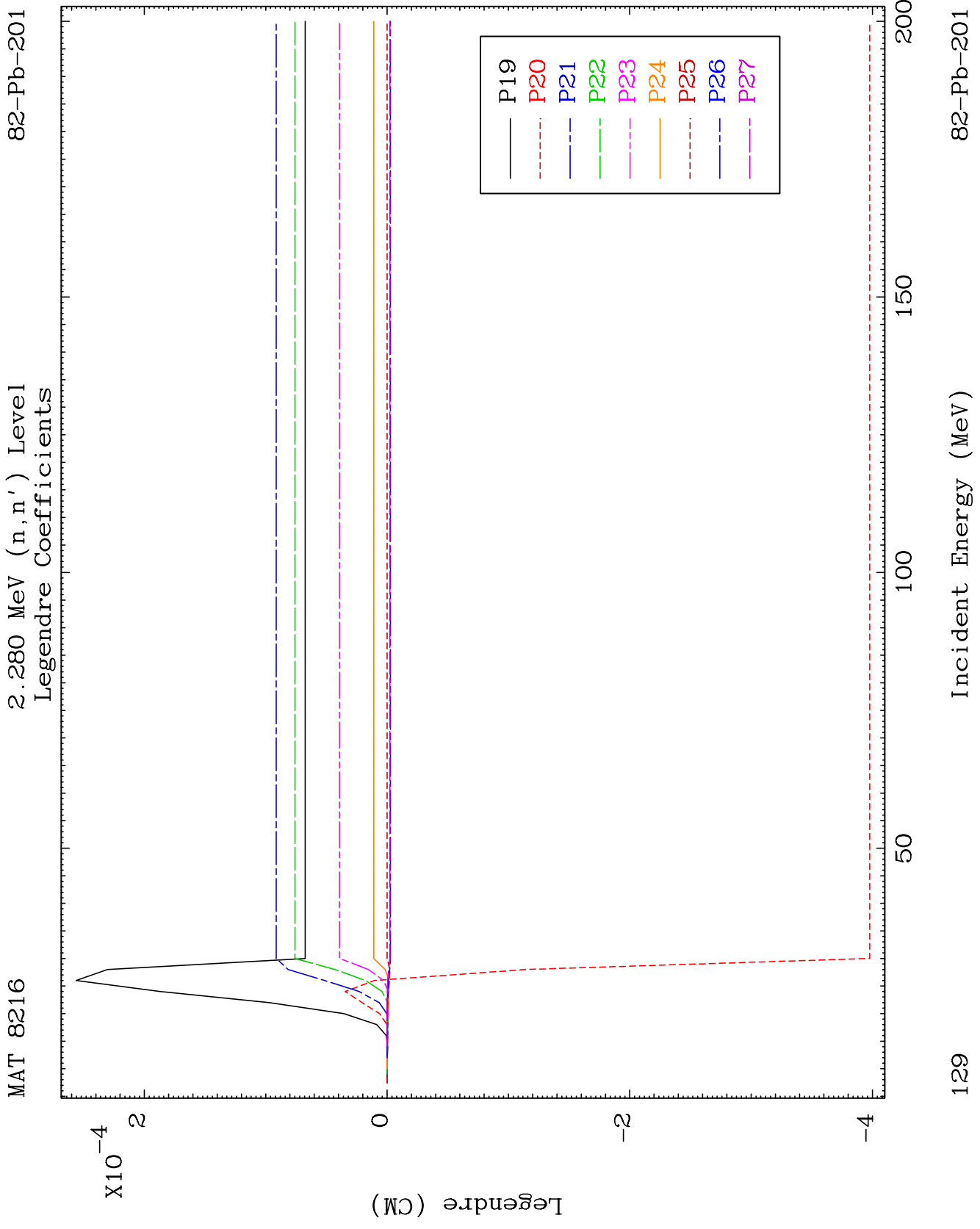
82-Pb-201



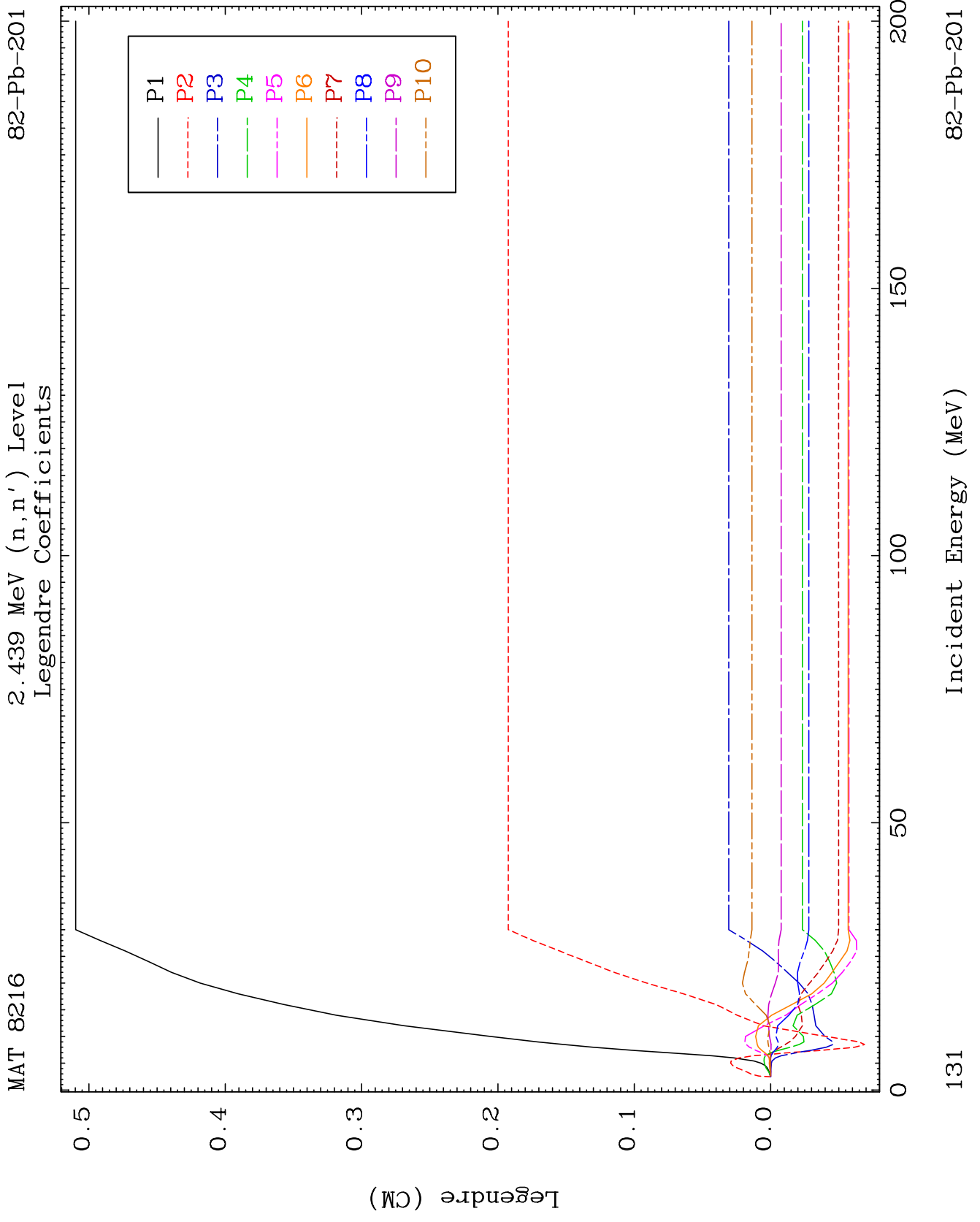
128

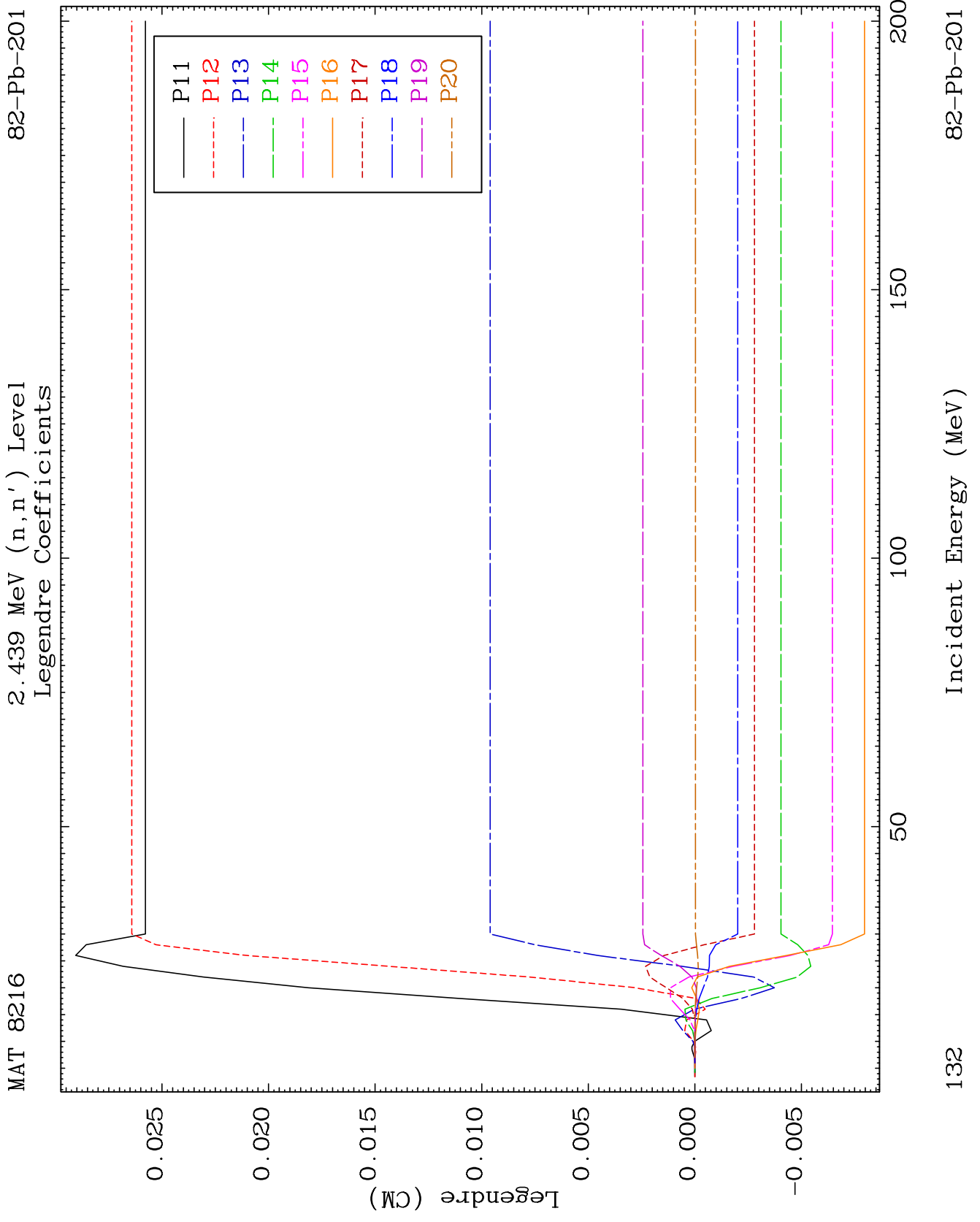
Incident Energy (MeV)

82-Pb-201





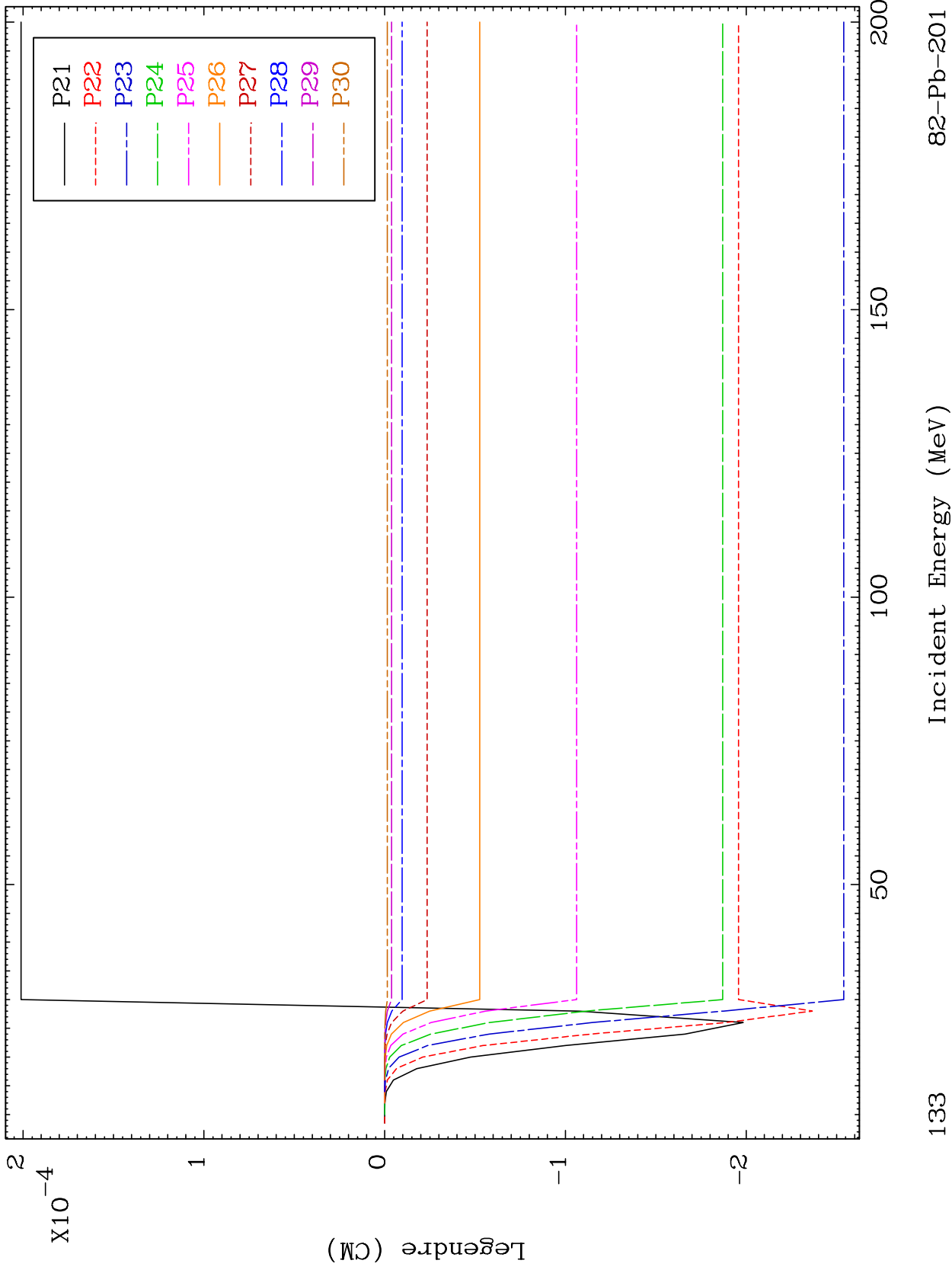




MAT 8216

2.439 MeV (n,n') Level  
Legendre Coefficients

82-Pb-201

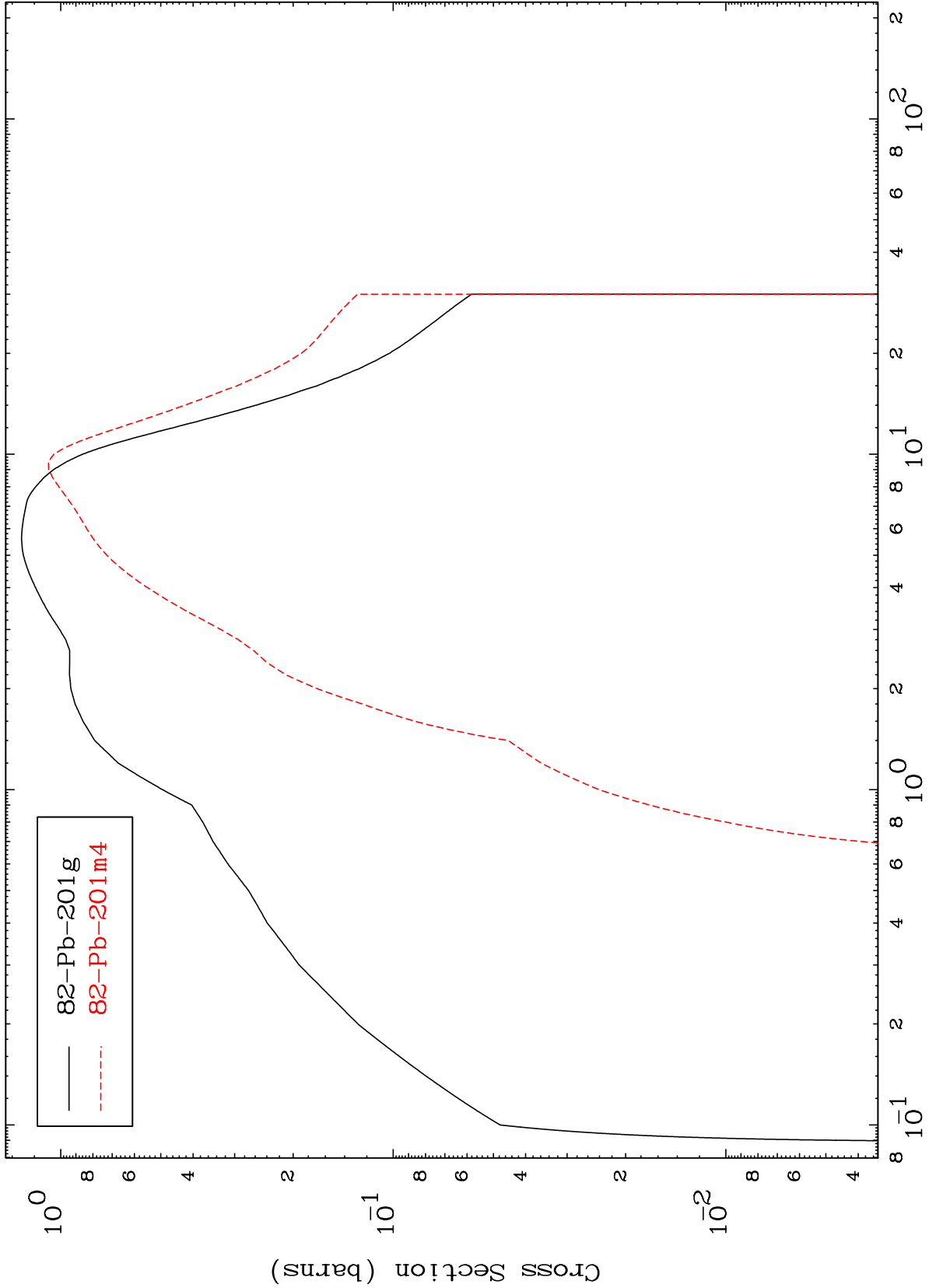




MAT 8216

82-Pb-201

Inelastic  
Radionuclide Production Cross Section



— 82-Pb-201 g  
- - - 82-Pb-201 m4

Incident Energy (MeV)

82-Pb-201

135

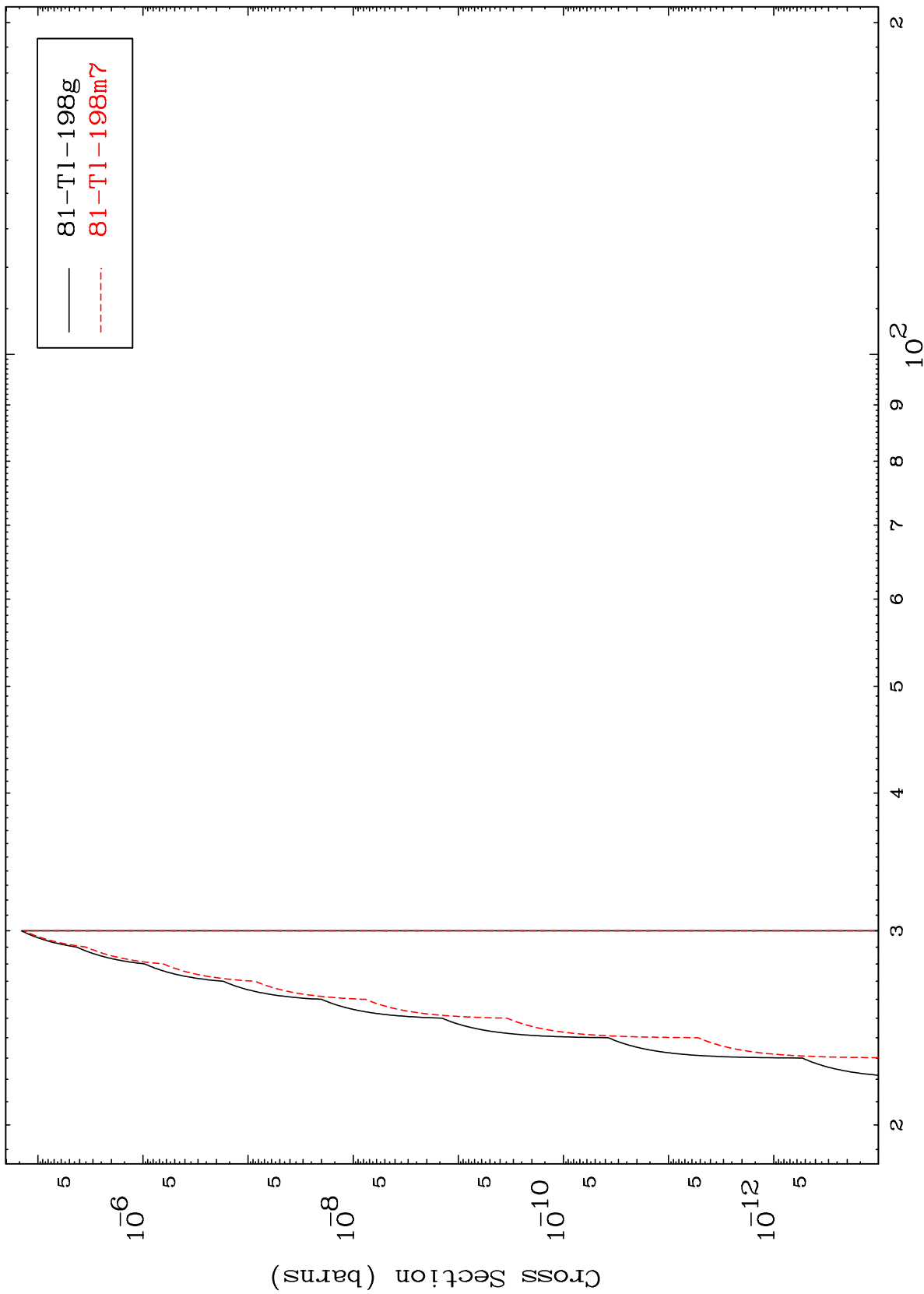


MAT 8216

(n,2n) d

82-Pb-201

Radionuclide Production Cross Section



136

Incident Energy (MeV)

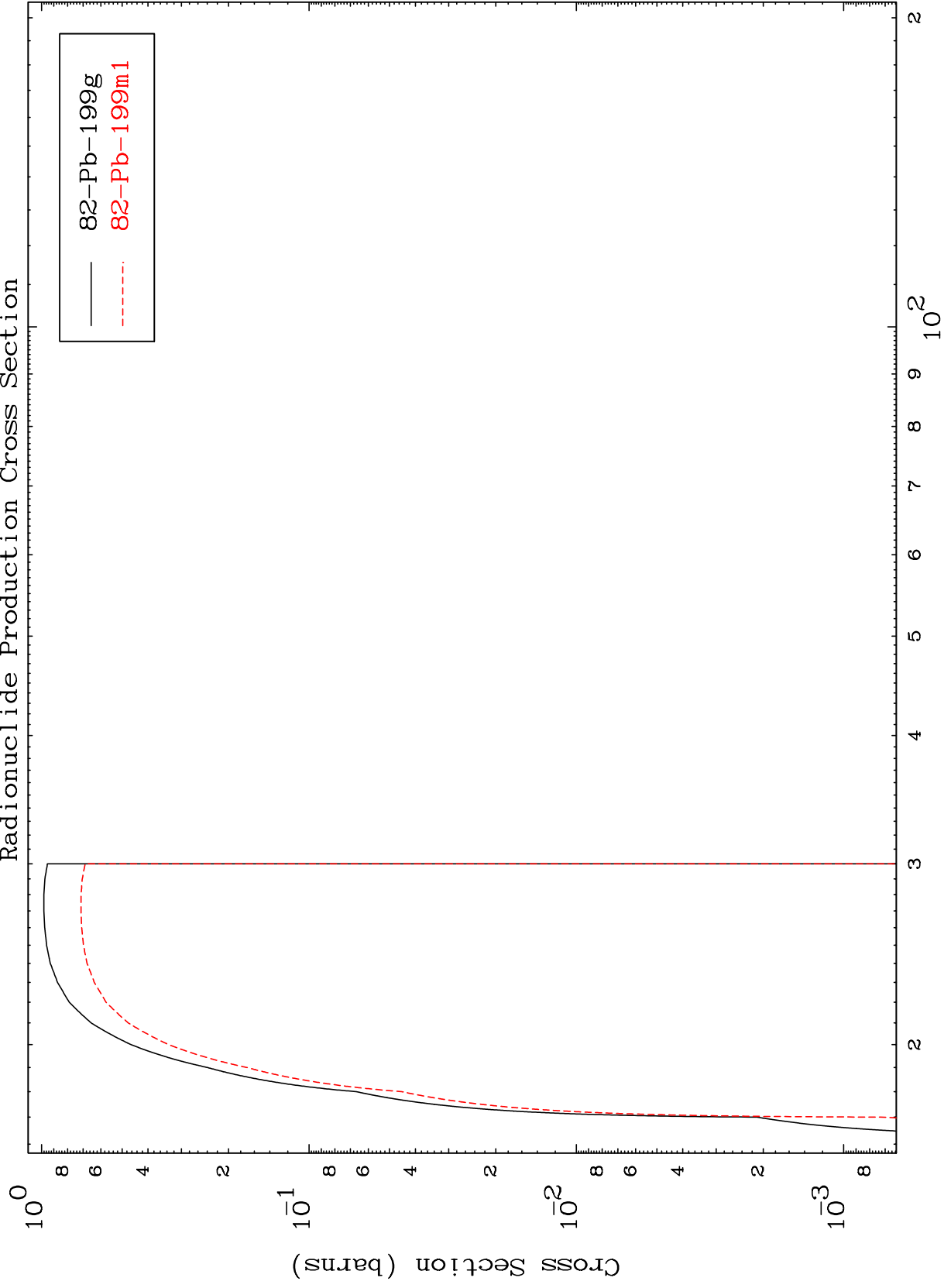
82-Pb-201

MAT 8216

(n,3n)

82-Pb-201

Radionuclide Production Cross Section



137

Incident Energy (MeV)

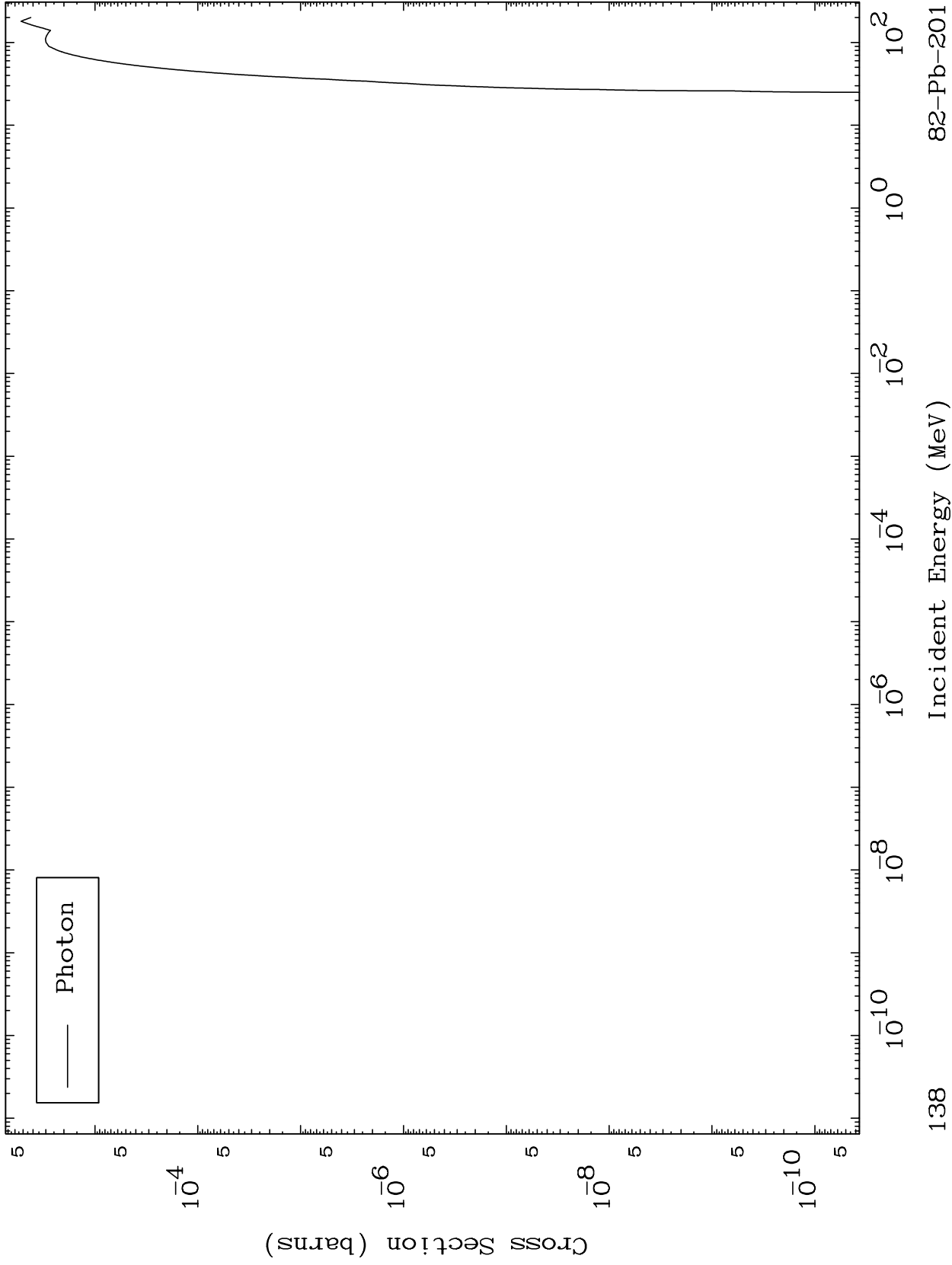
82-Pb-201

MAT 8216

Fission

82-Pb-201

Radionuclide Production Cross Section

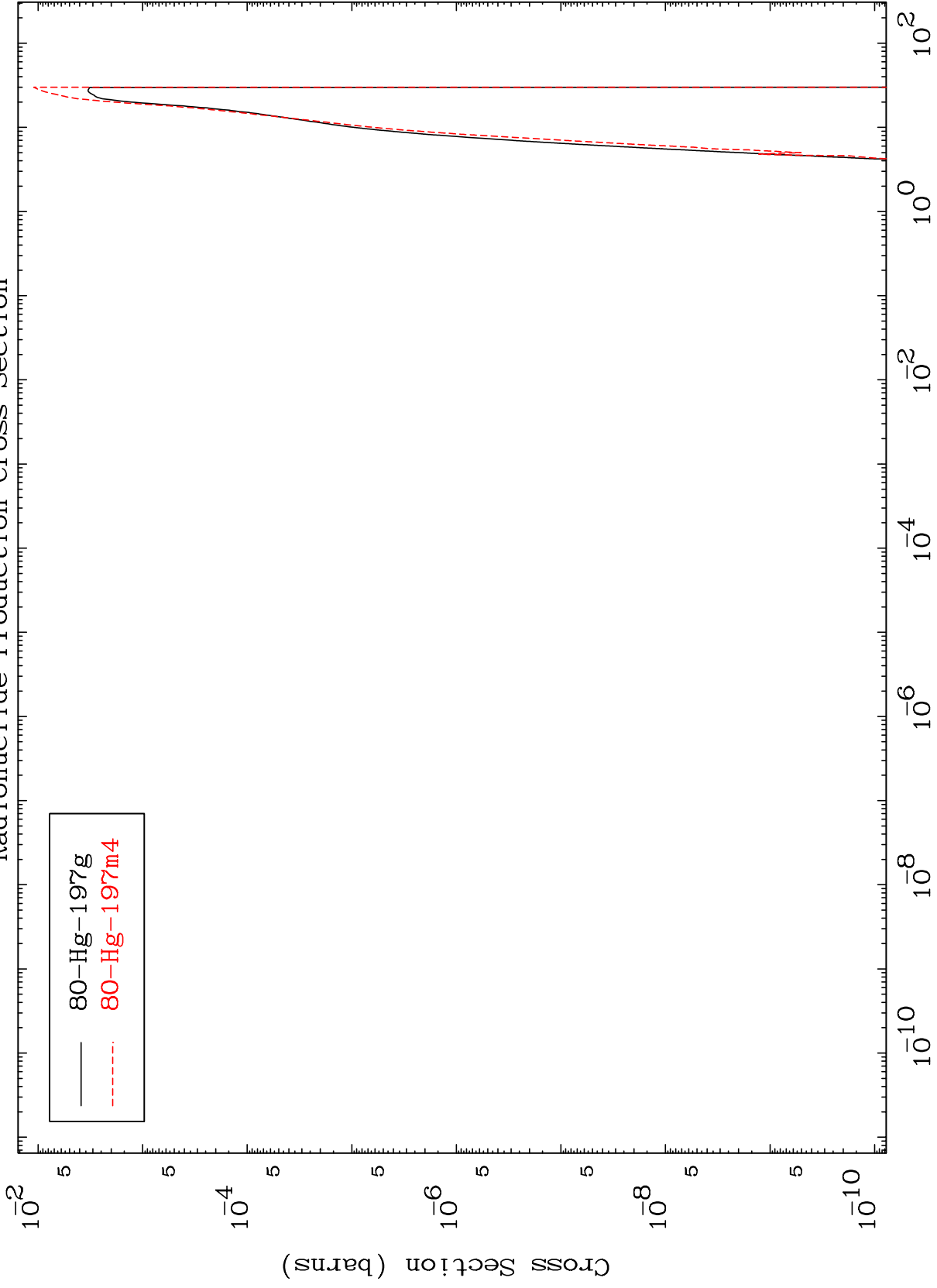


MAT 8216

$(n, n') \alpha$

82-Pb-201

Radionuclide Production Cross Section



139

Incident Energy (MeV)

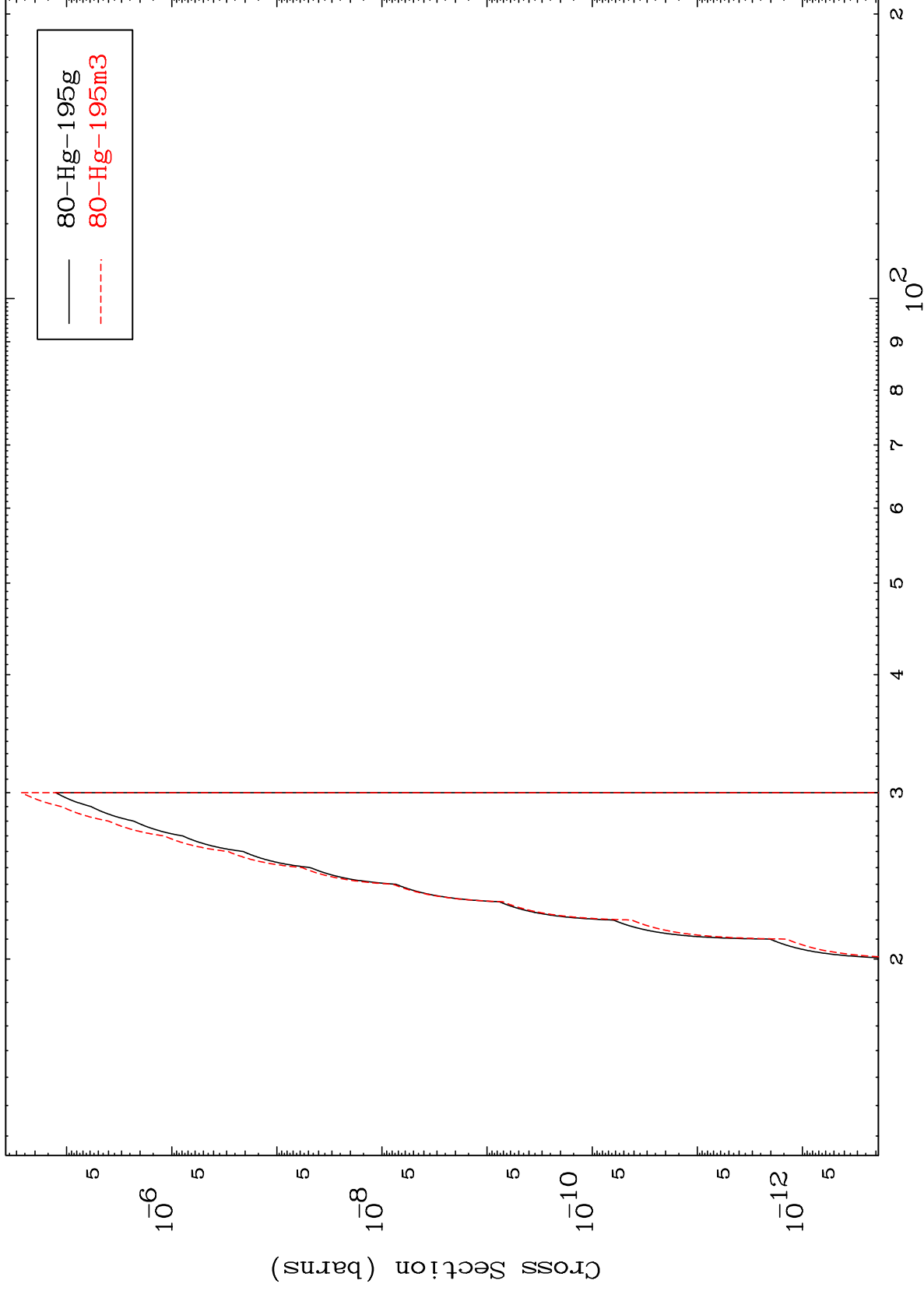
82-Pb-201

MAT 8216

(n,3n)  $\alpha$

82-Pb-201

Radionuclide Production Cross Section



140

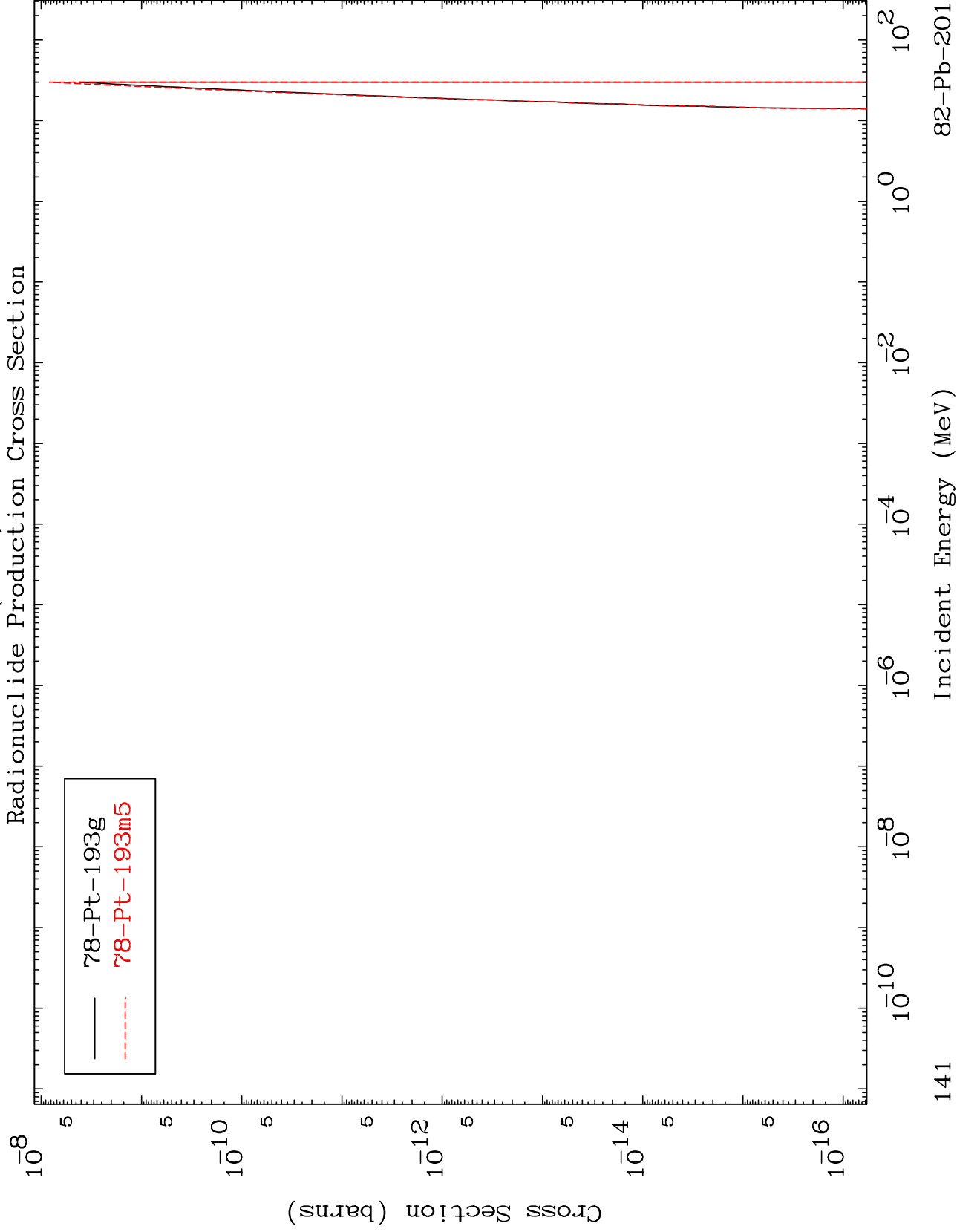
Incident Energy (MeV)

82-Pb-201

MAT 8216

(n,n') 2 $\alpha$

82-Pb-201

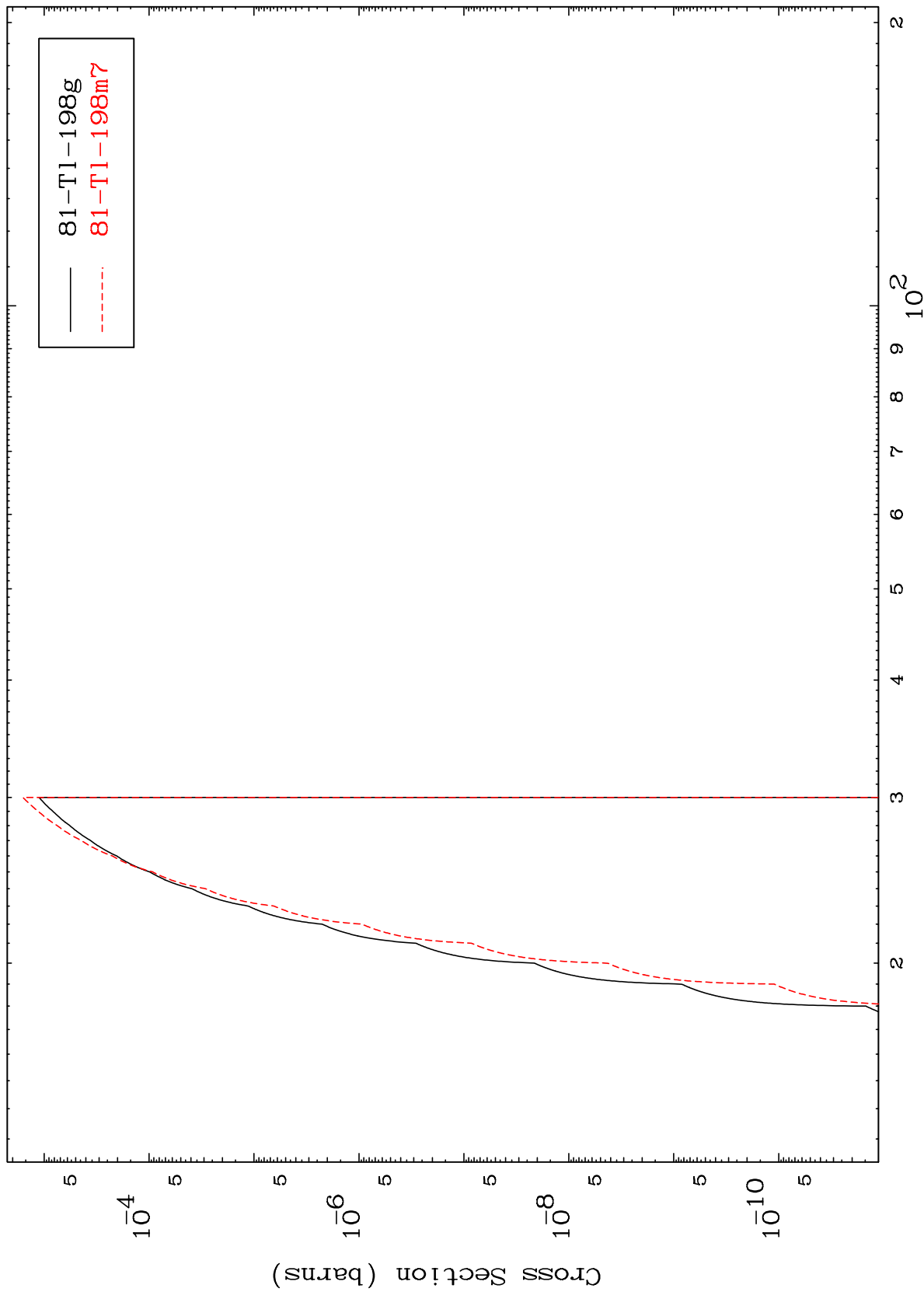


MAT 8216

(n,n') t

82-Pb-201

Radionuclide Production Cross Section



142

Incident Energy (MeV)

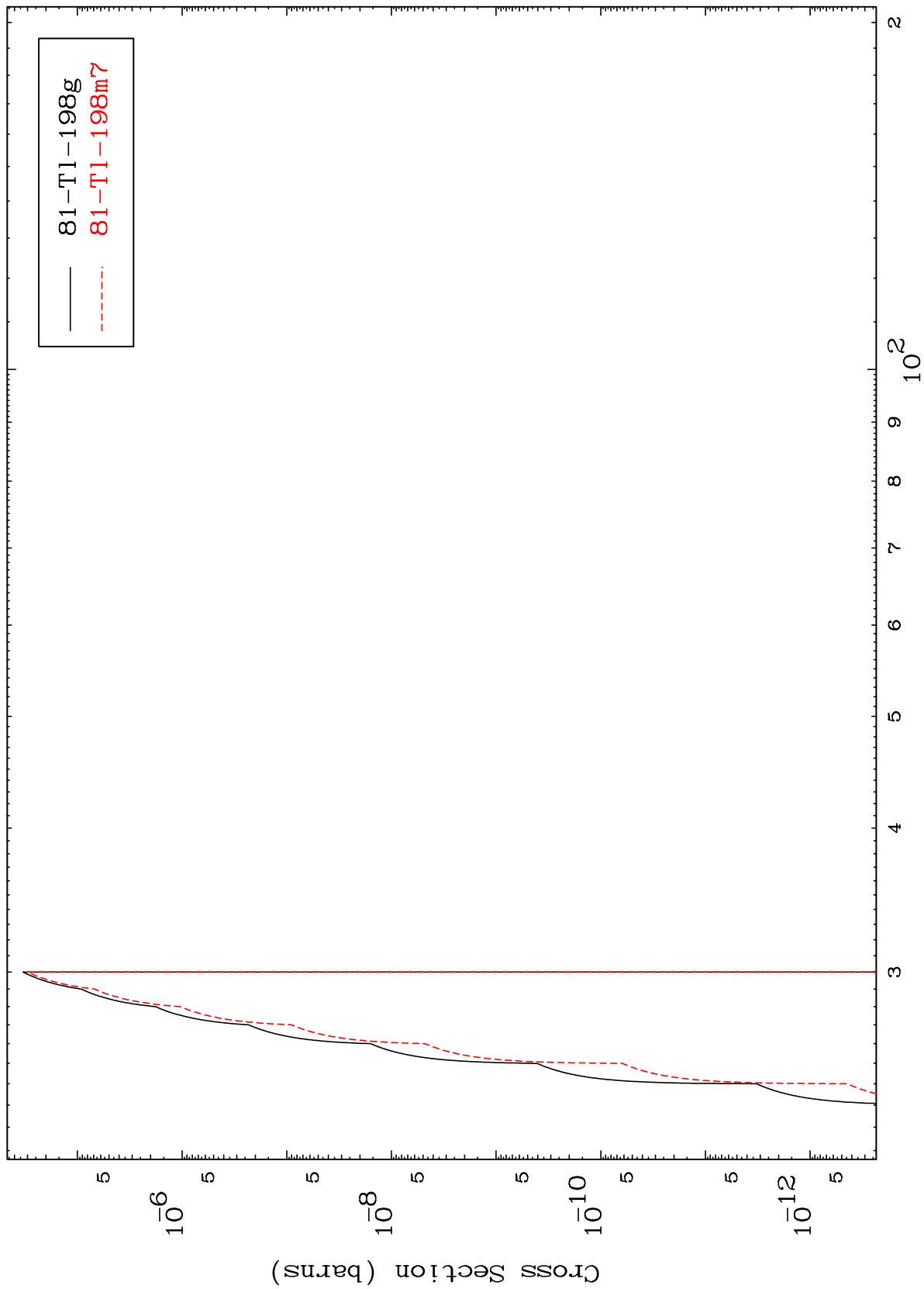
82-Pb-201

MAT 8216

(n,3n) p

82-Pb-201

Radionuclide Production Cross Section



143

Incident Energy (MeV)

82-Pb-201

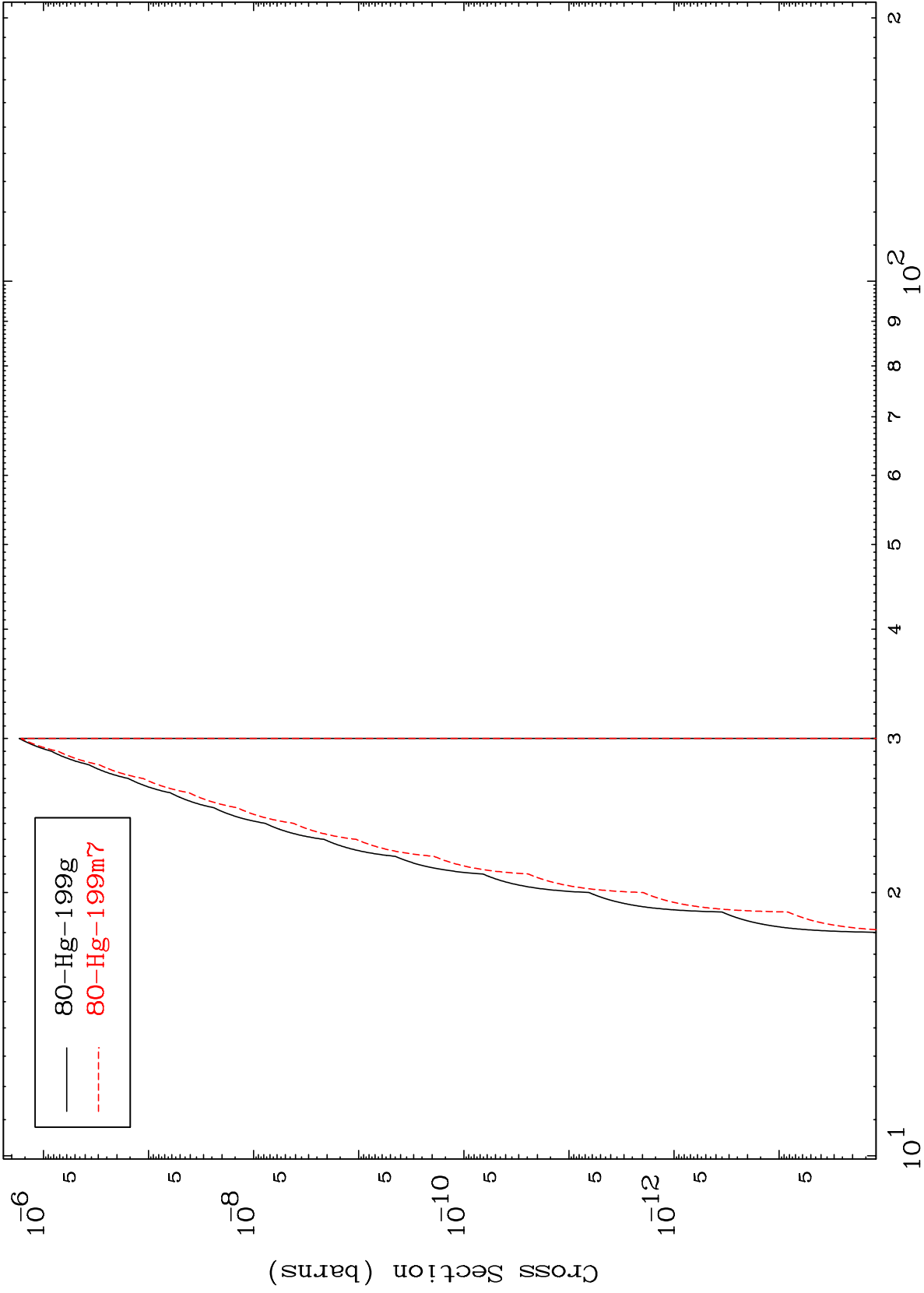


MAT 8216

(n,2n) p

82-Pb-201

Radionuclide Production Cross Section



144

Incident Energy (MeV)

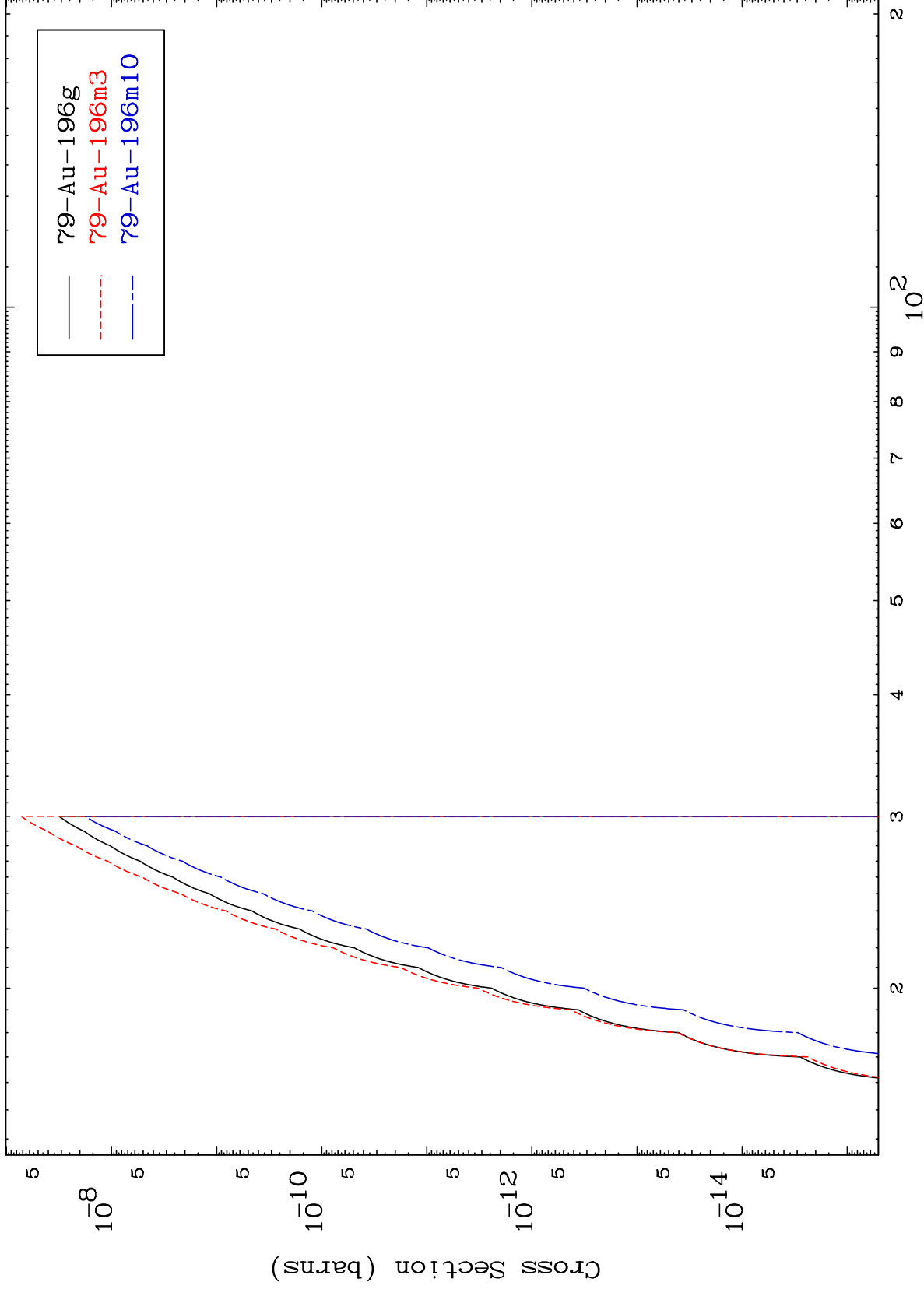
82-Pb-201

MAT 8216

(n,n') p  $\alpha$

82-Pb-201

Radionuclide Production Cross Section



145

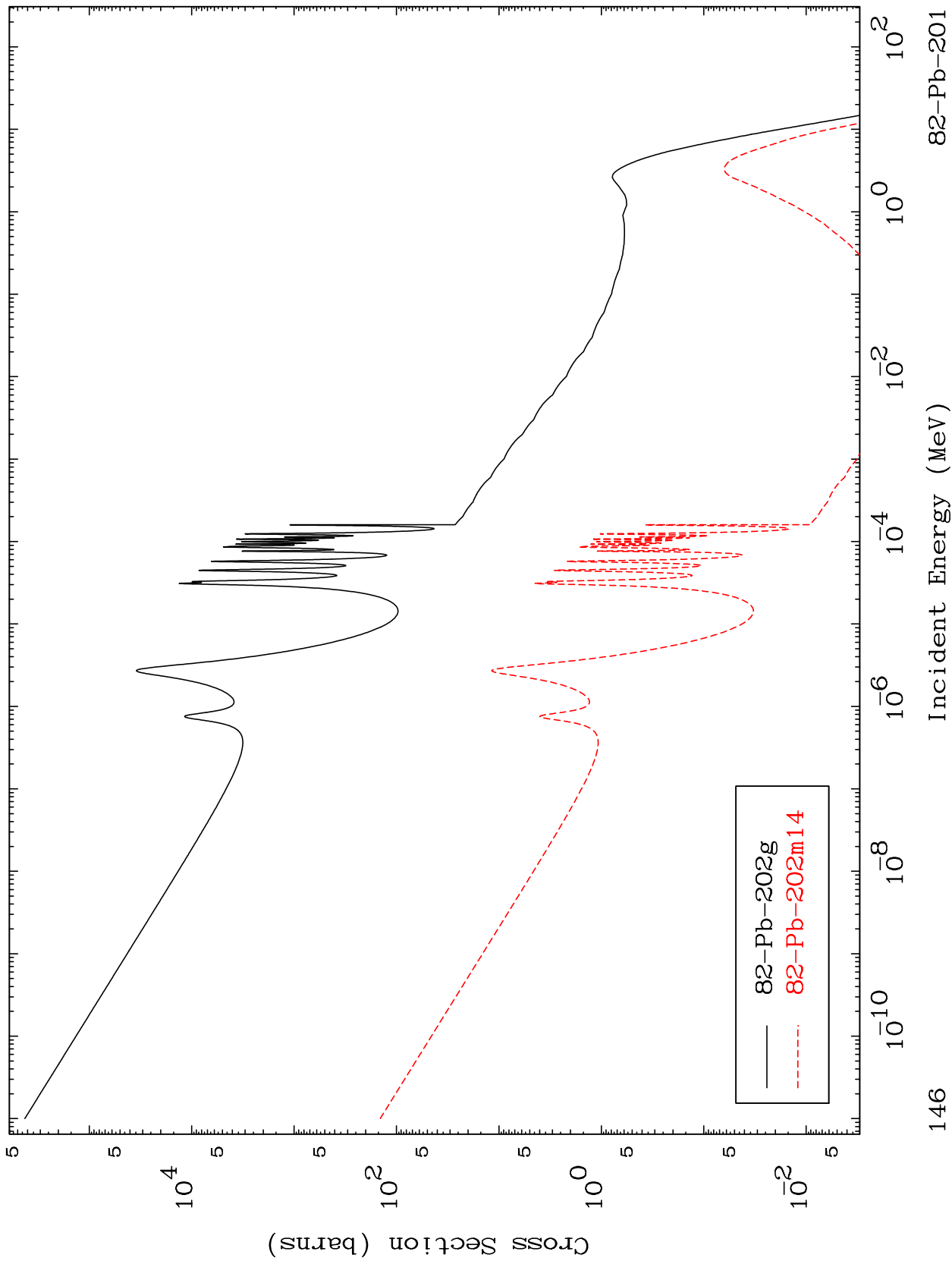
Incident Energy (MeV)

82-Pb-201

MAT 8216

82-Pb-201

$(n, \gamma)$   
Radionuclide Production Cross Section

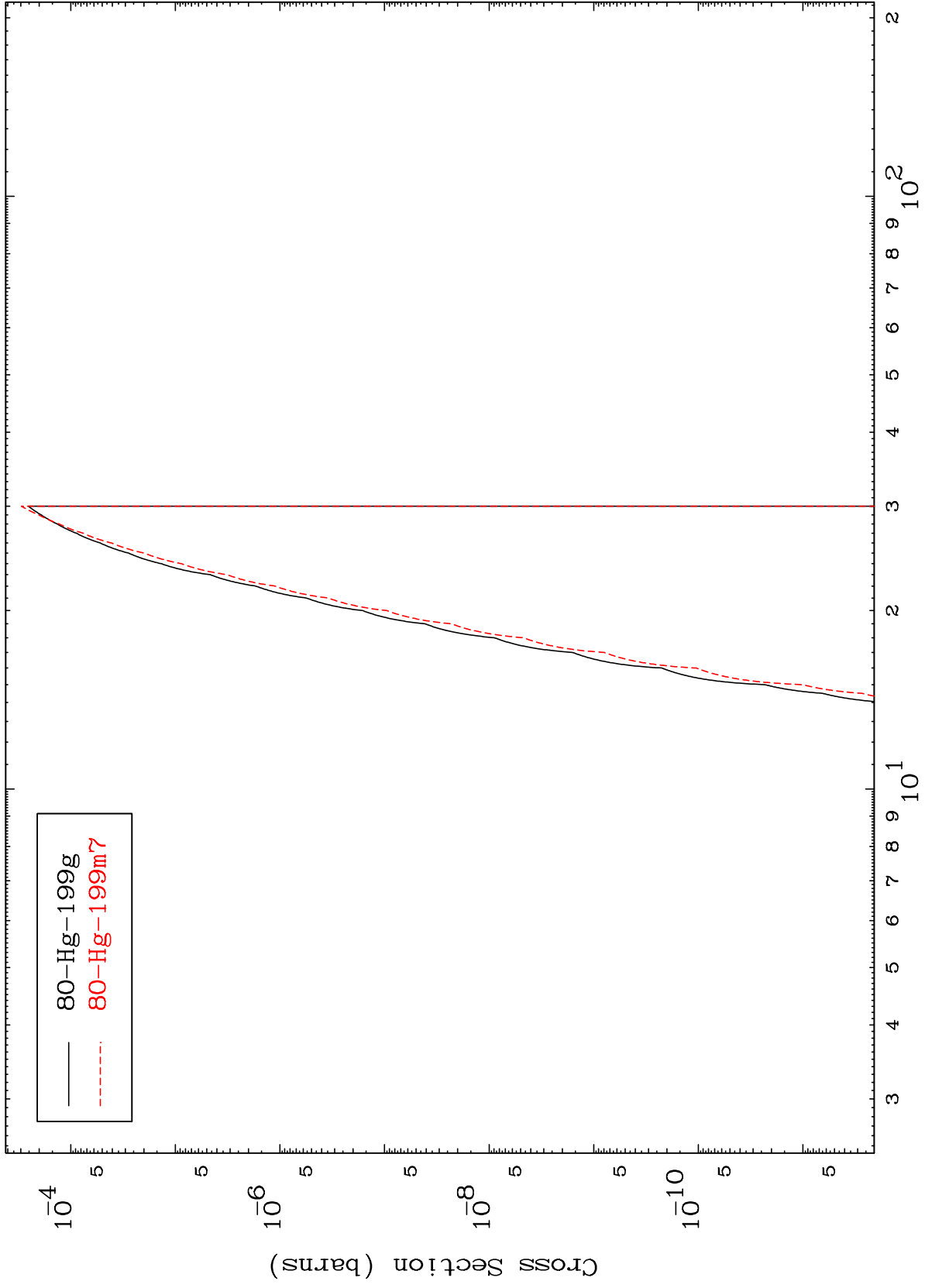


MAT 8216

(n,He-3)

82-Pb-201

Radionuclide Production Cross Section



147

Incident Energy (MeV)

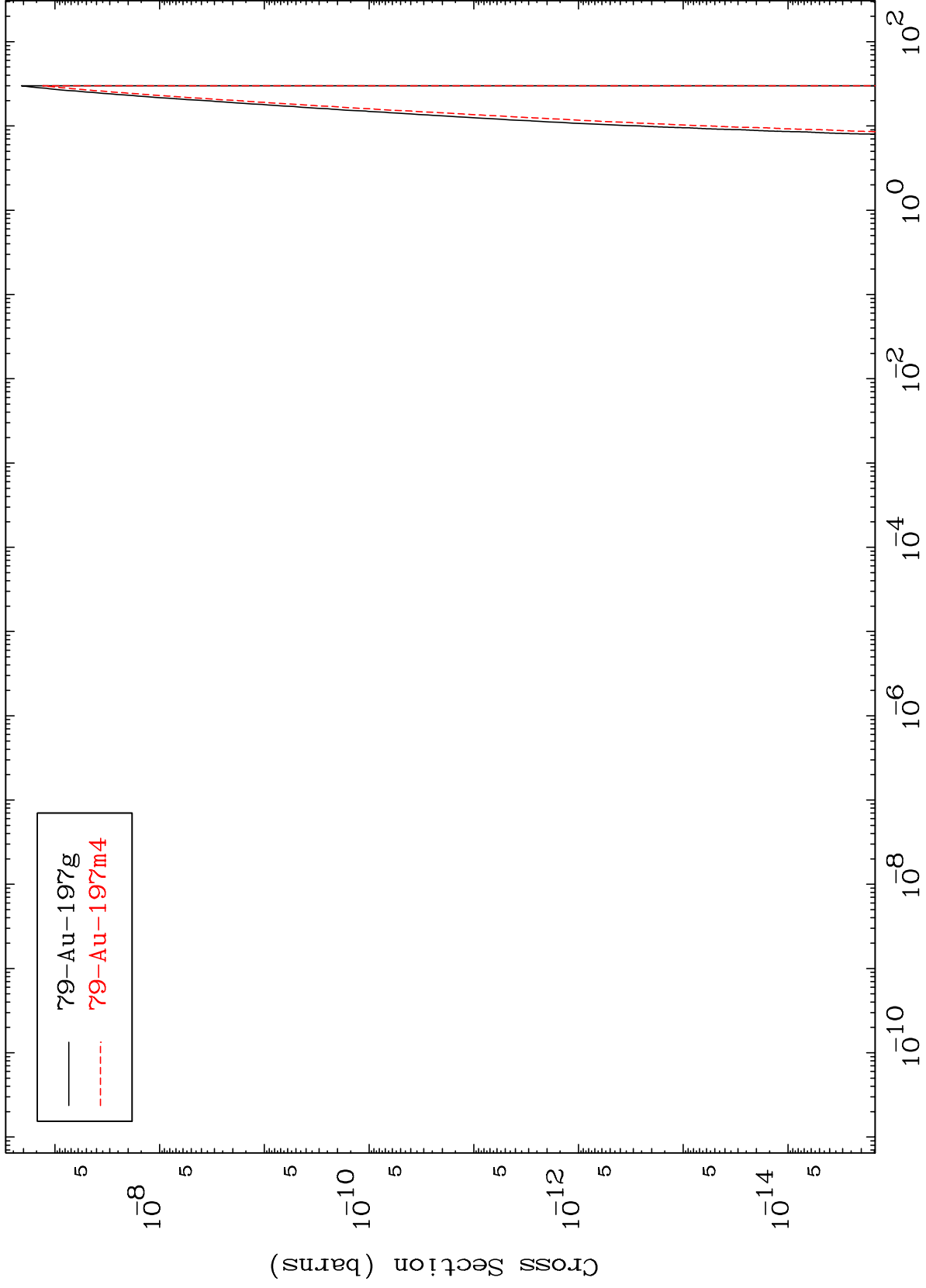
82-Pb-201

MAT 8216

(n,p)  $\alpha$

82-Pb-201

Radionuclide Production Cross Section

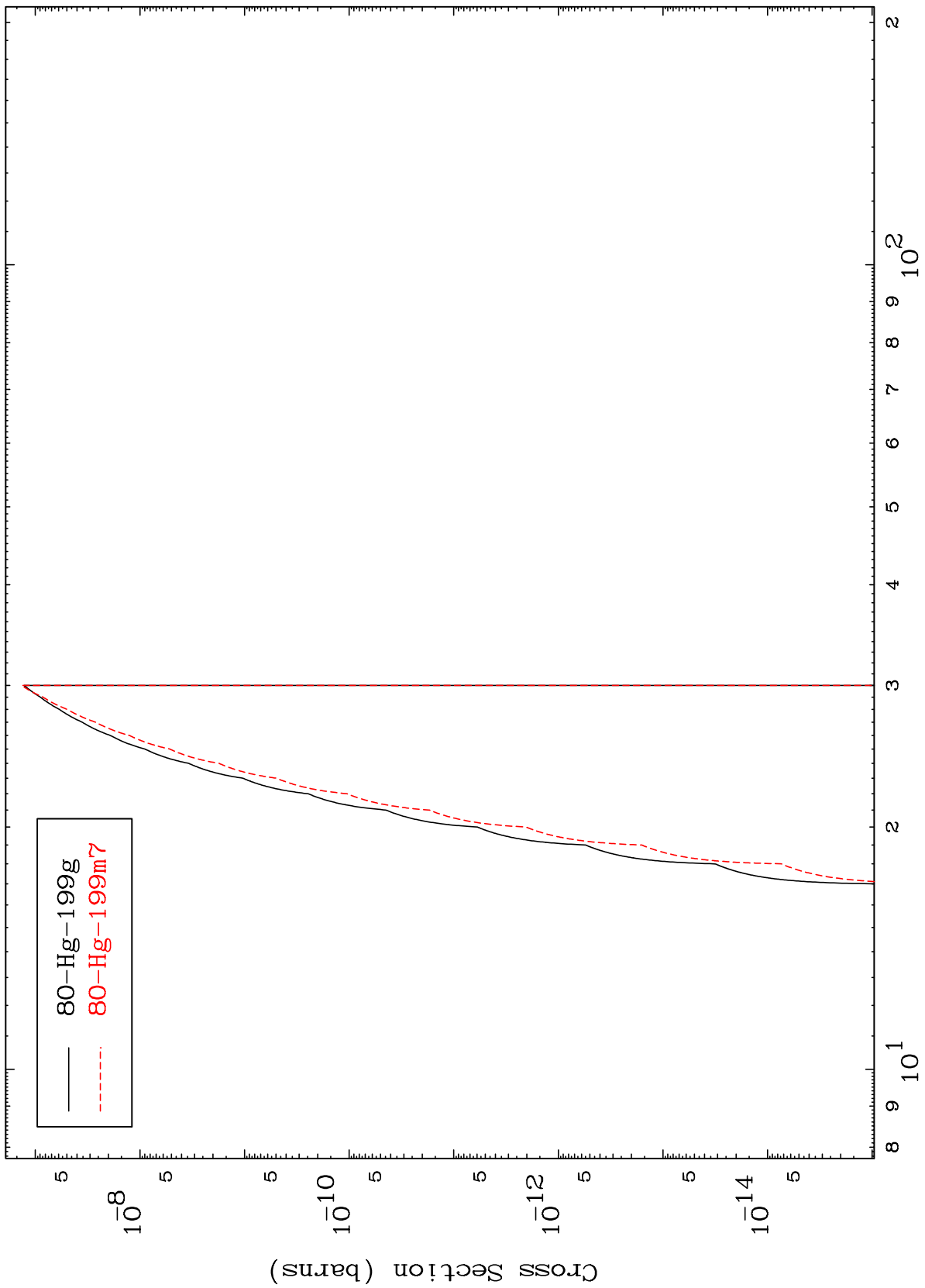


MAT 8216

(n,p) d

82-Pb-201

Radionuclide Production Cross Section



80-Hg-199g  
80-Hg-199m7

149

Incident Energy (MeV)

82-Pb-201

