

Program EVALPLOT
(Version 2017-1)

by

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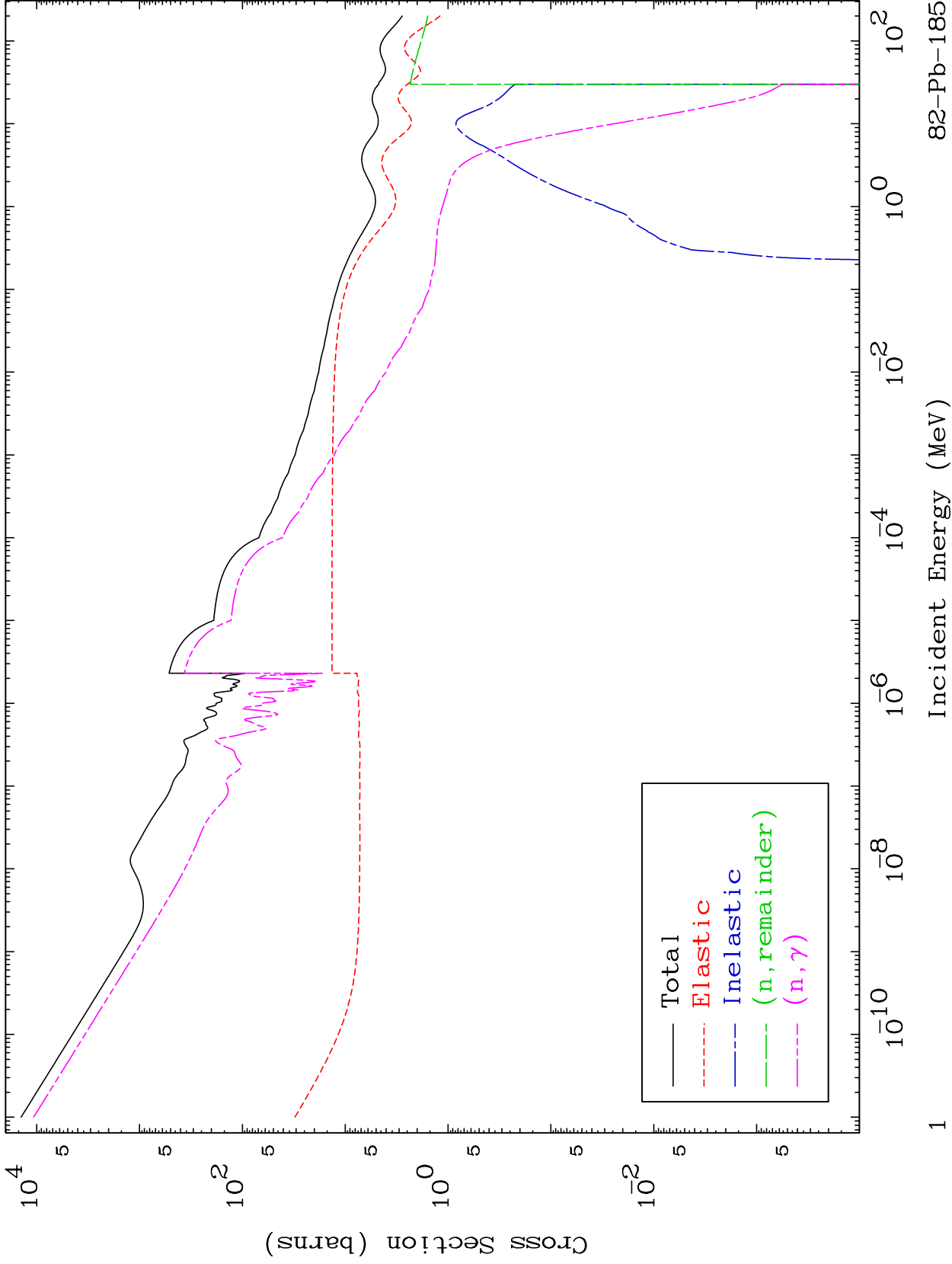
Press Mouse Button to Start

MAT 8168

Major

293 Kelvin Cross Sections

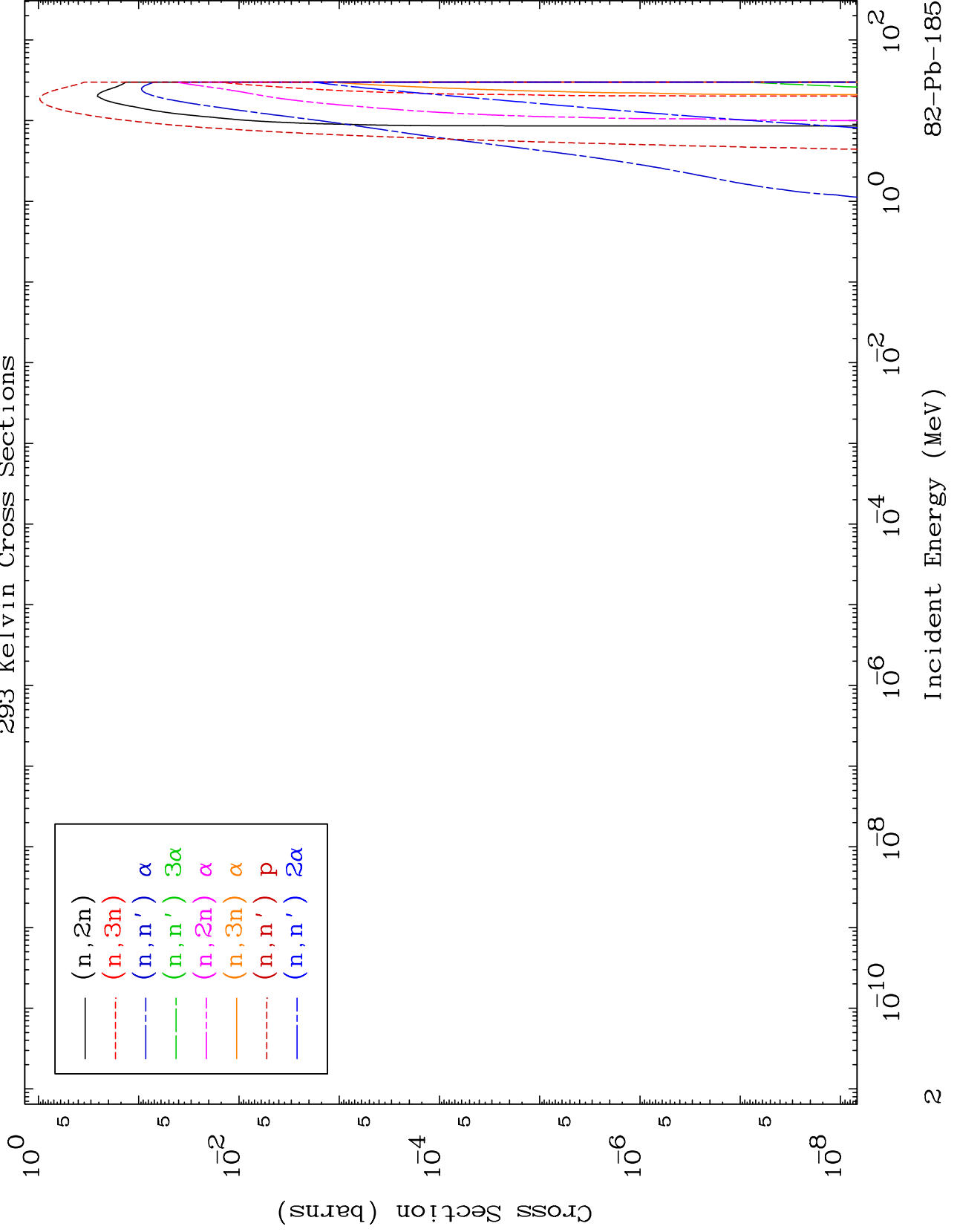
82-Pb-185



MAT 8168

Neutron Production
293 Kelvin Cross Sections

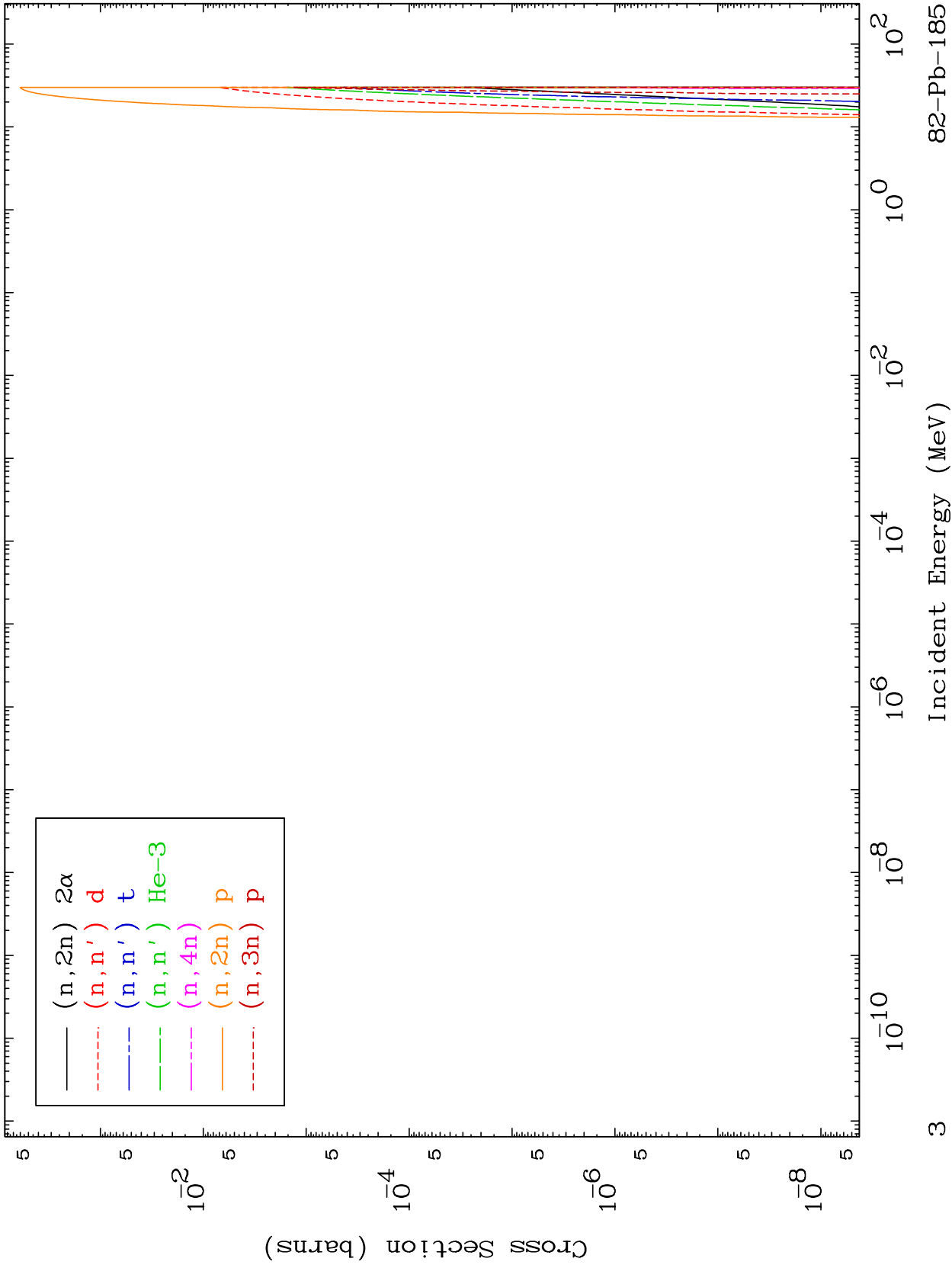
82-Pb-185



MAT 8168

Neutron Production
293 Kelvin Cross Sections

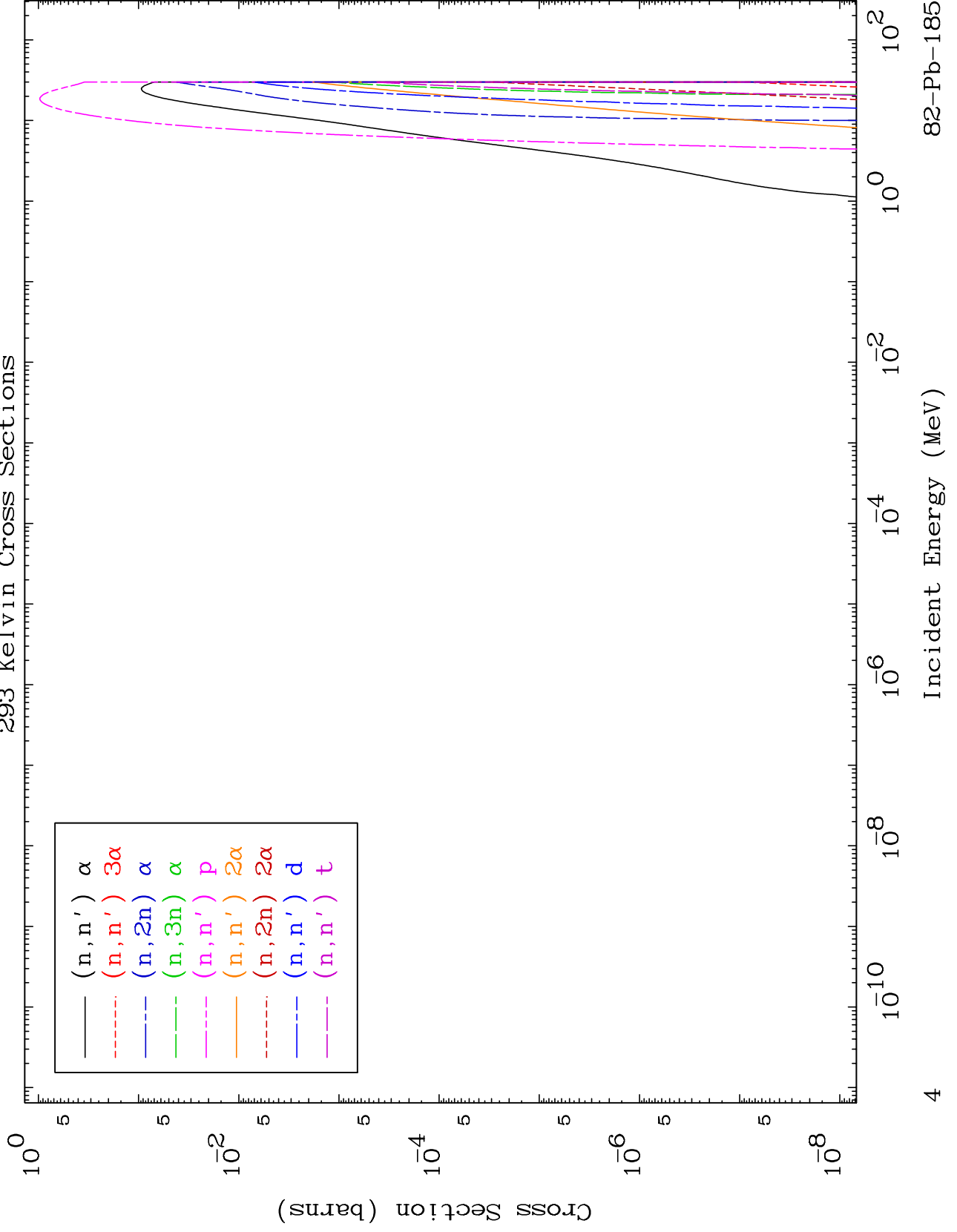
82-Pb-185

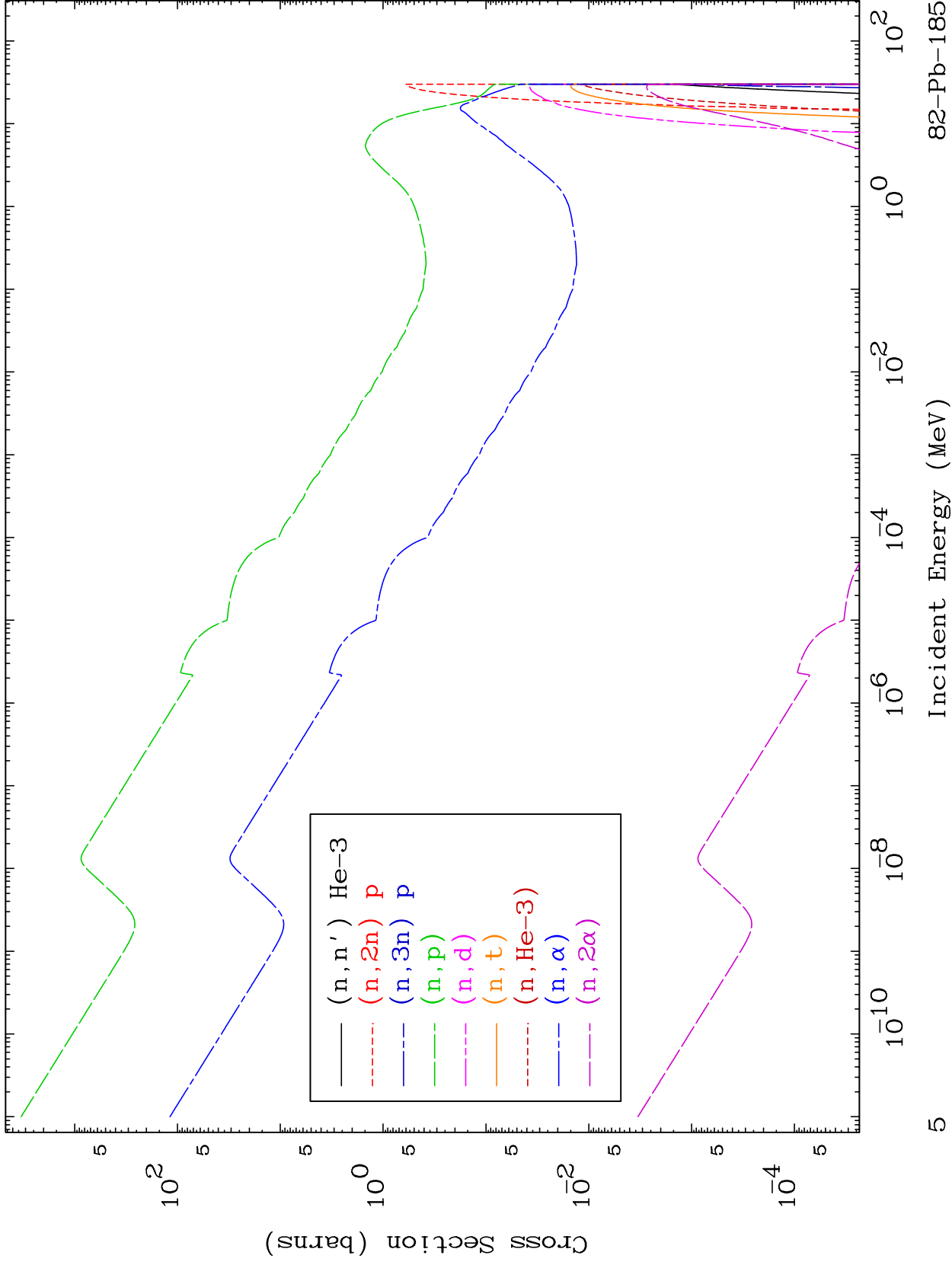


MAT 8168

Charged Particle
293 Kelvin Cross Sections

82-Pb-185

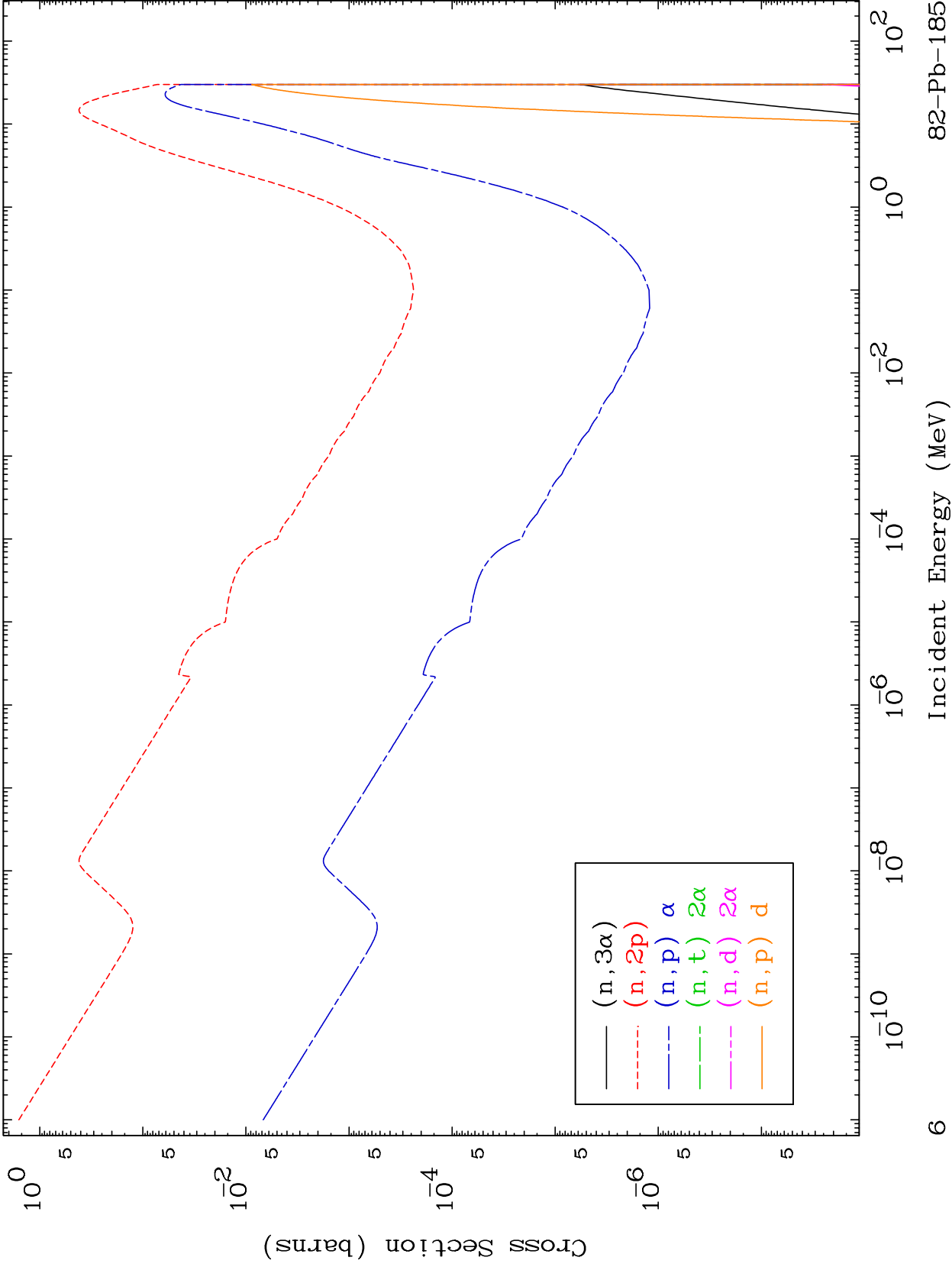




MAT 8168

Charged Particle
293 Kelvin Cross Sections

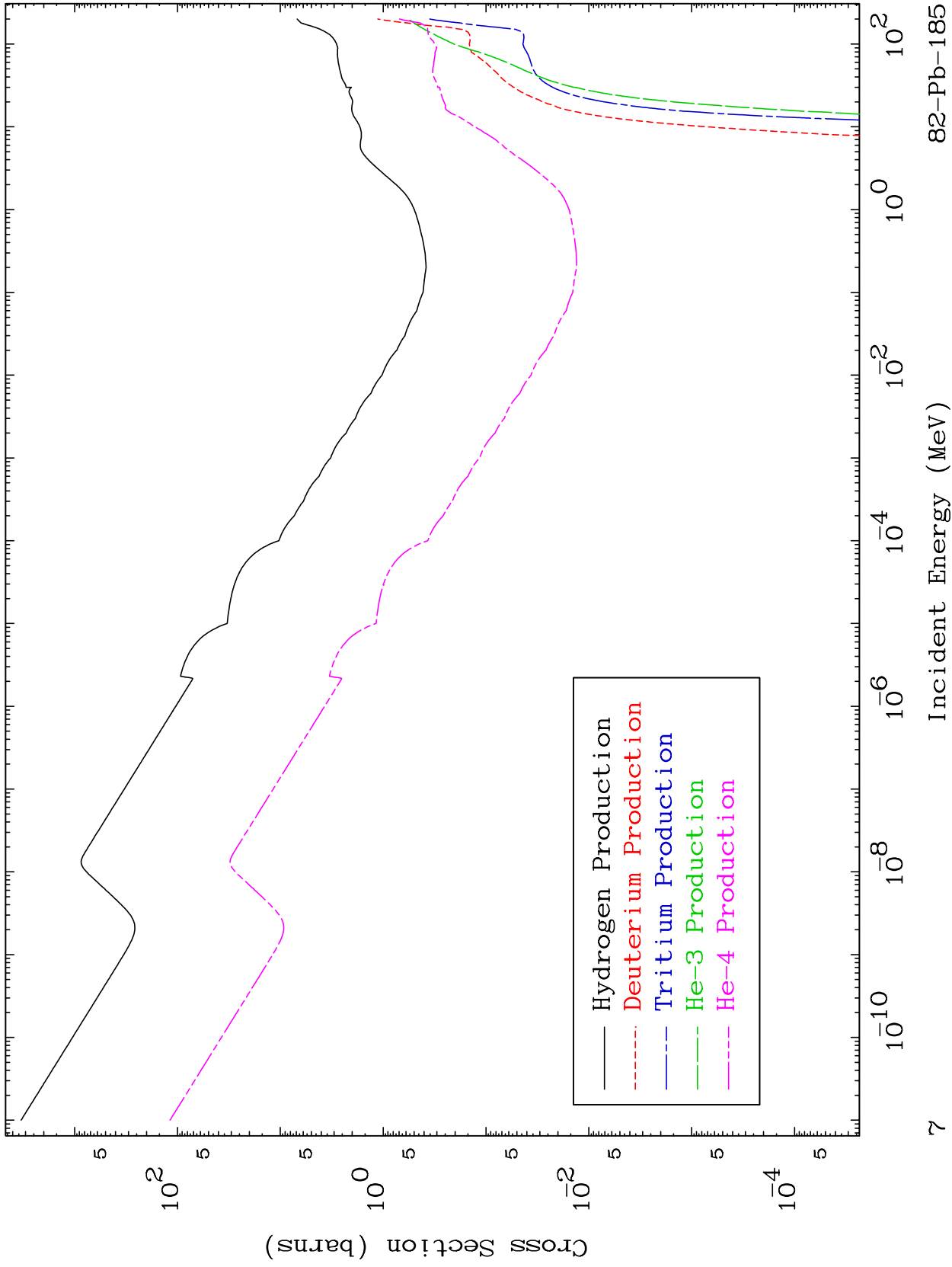
82-Pb-185



MAT 8168

Particle Production
293 Kelvin Cross Sections

82-Pb-185

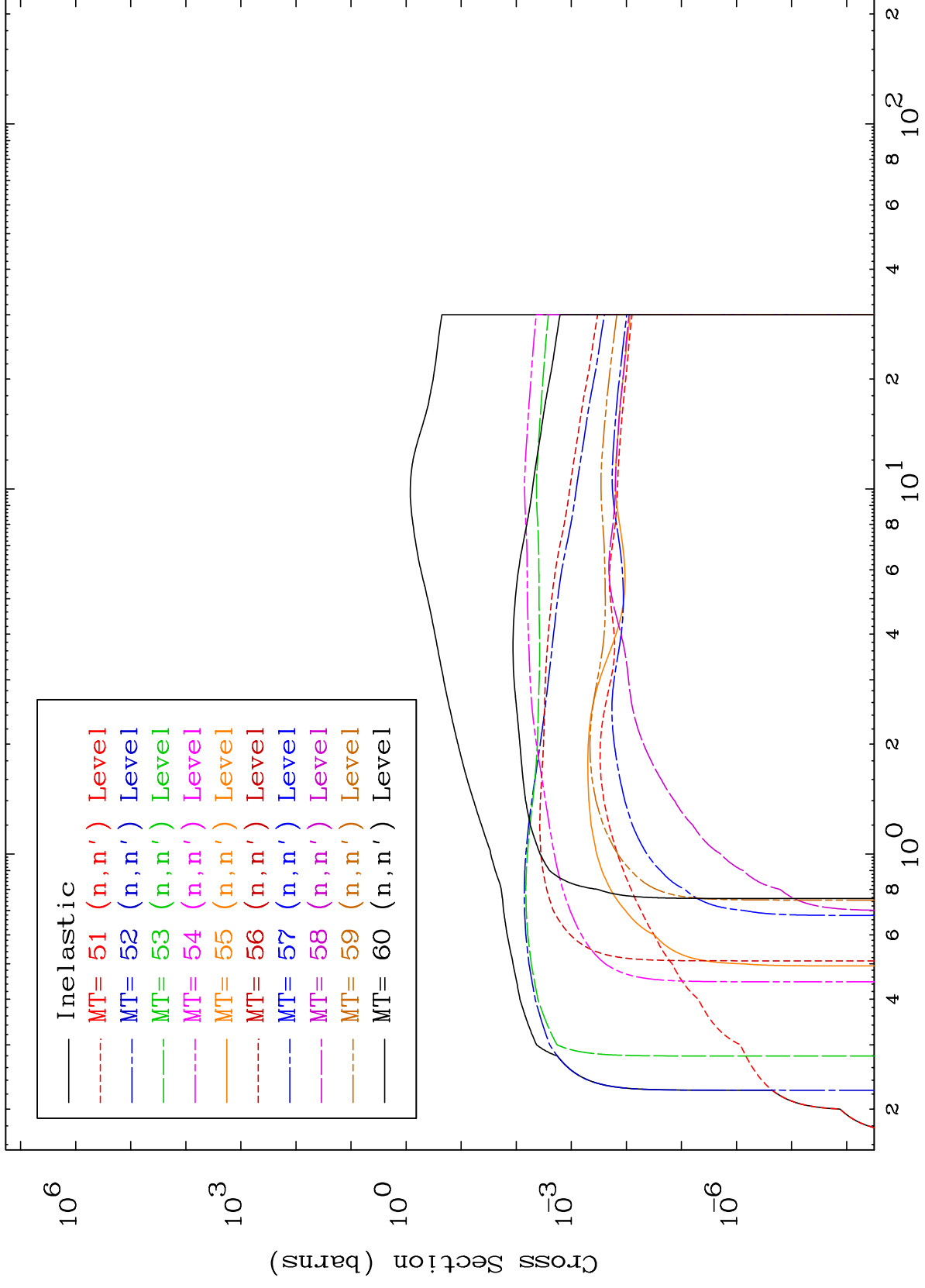


MAT 8168

(n,n') Level

82-Pb-185

293 Kelvin Cross Sections

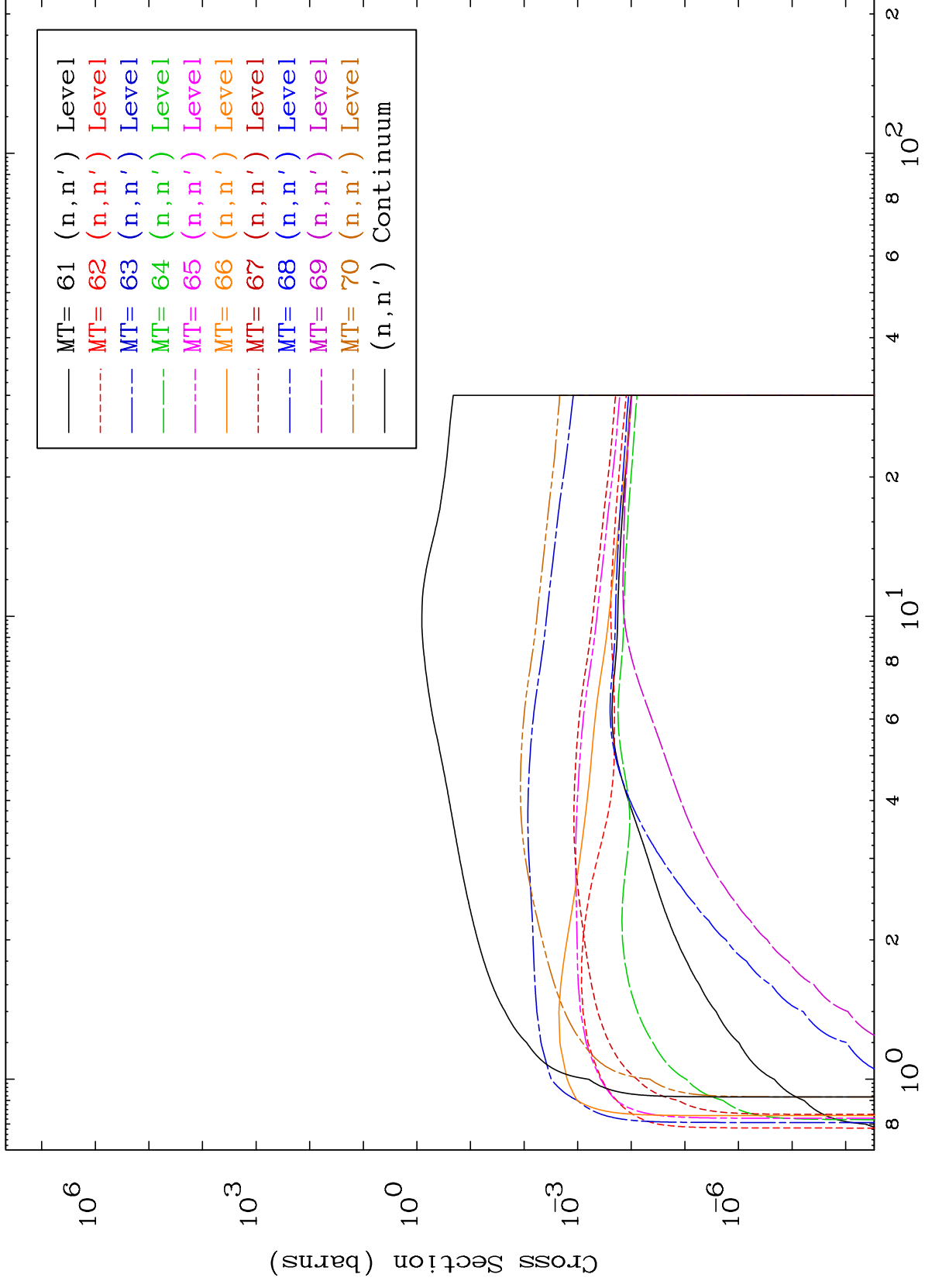


MAT 8168

(n,n') Level

82-Pb-185

293 Kelvin Cross Sections



9

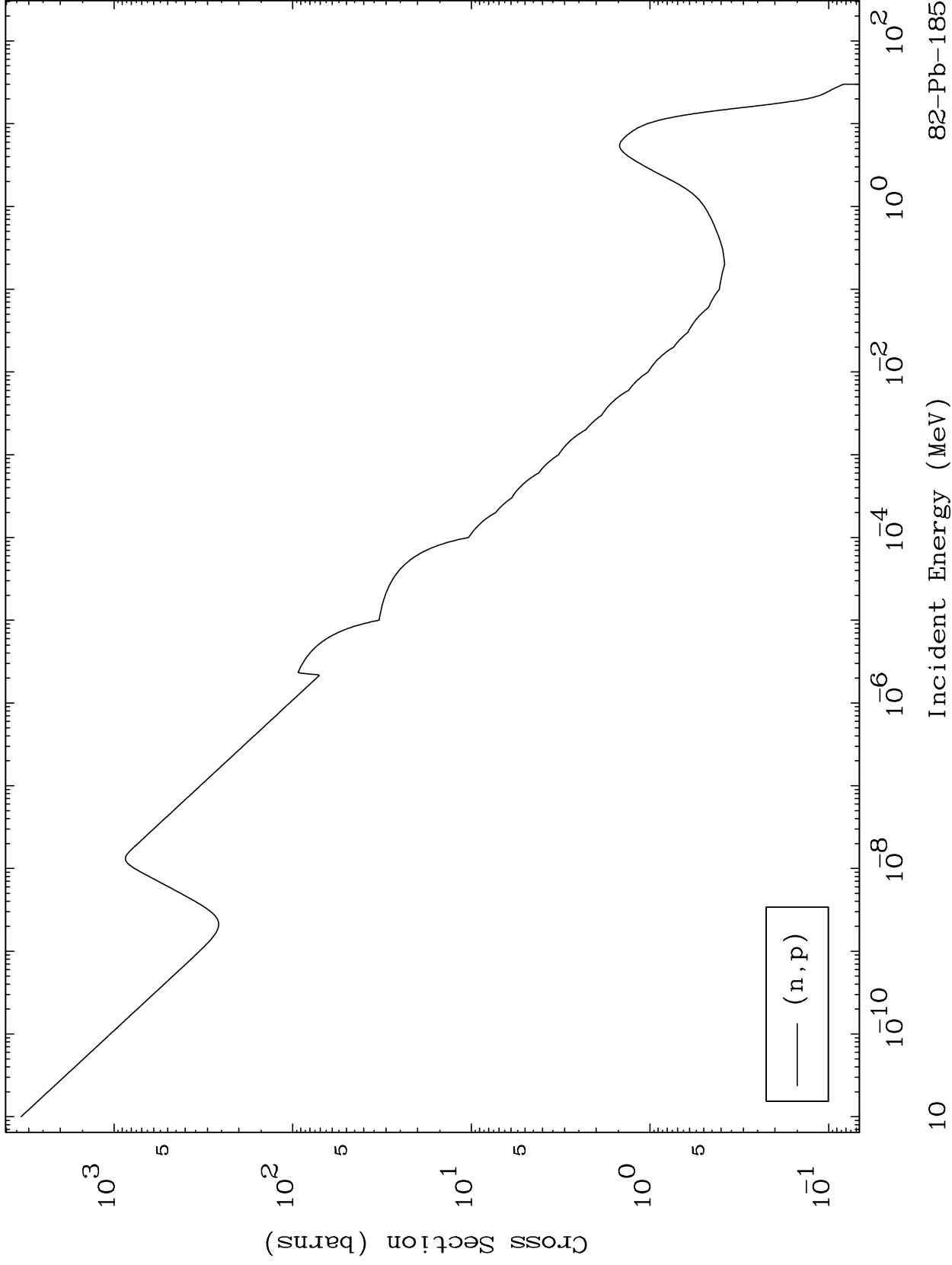
Incident Energy (MeV)

82-Pb-185

MAT 8168

(n,p) Levels
293 Kelvin Cross Sections

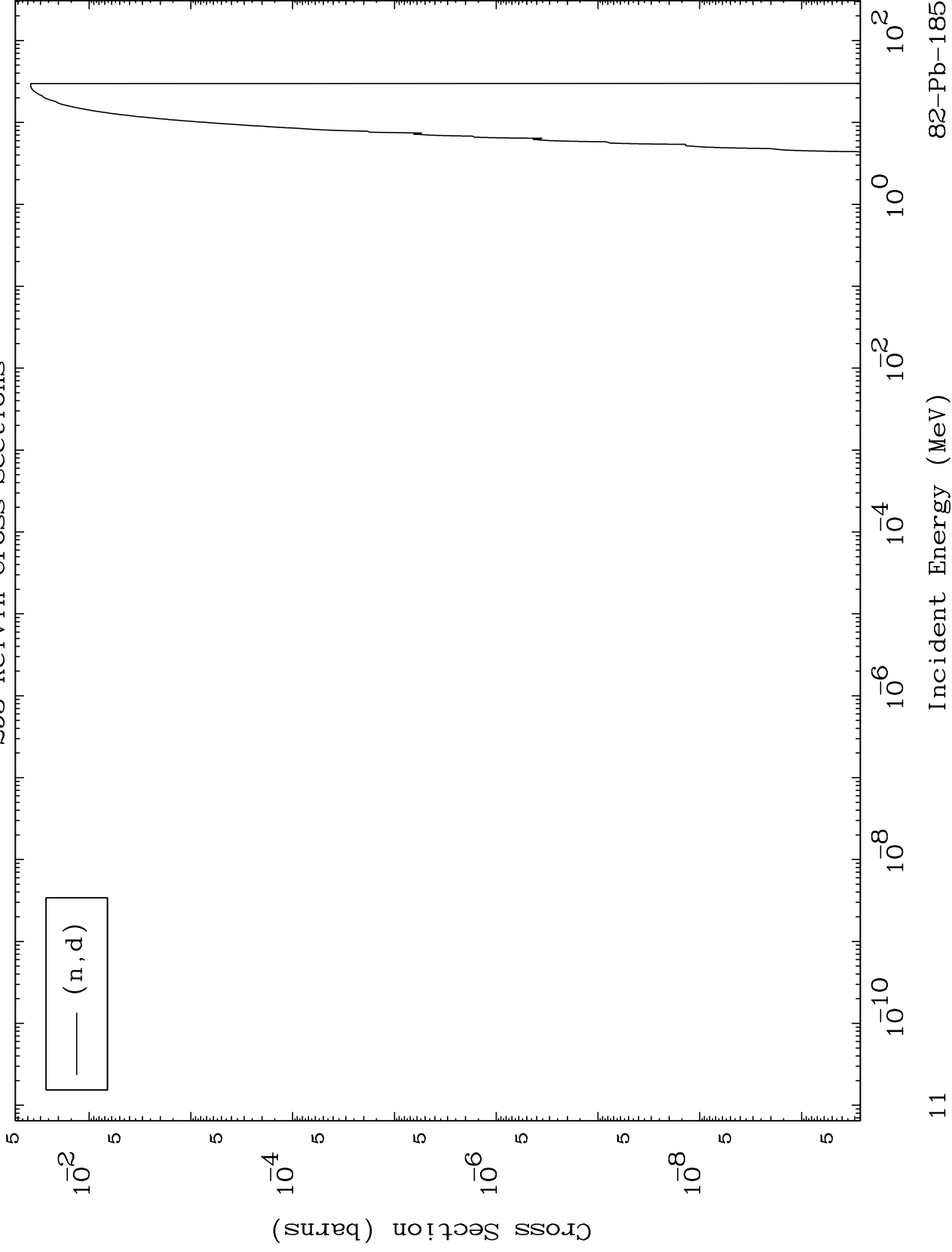
82-Pb-185



MAT 8168

(n,d) Levels
293 Kelvin Cross Sections

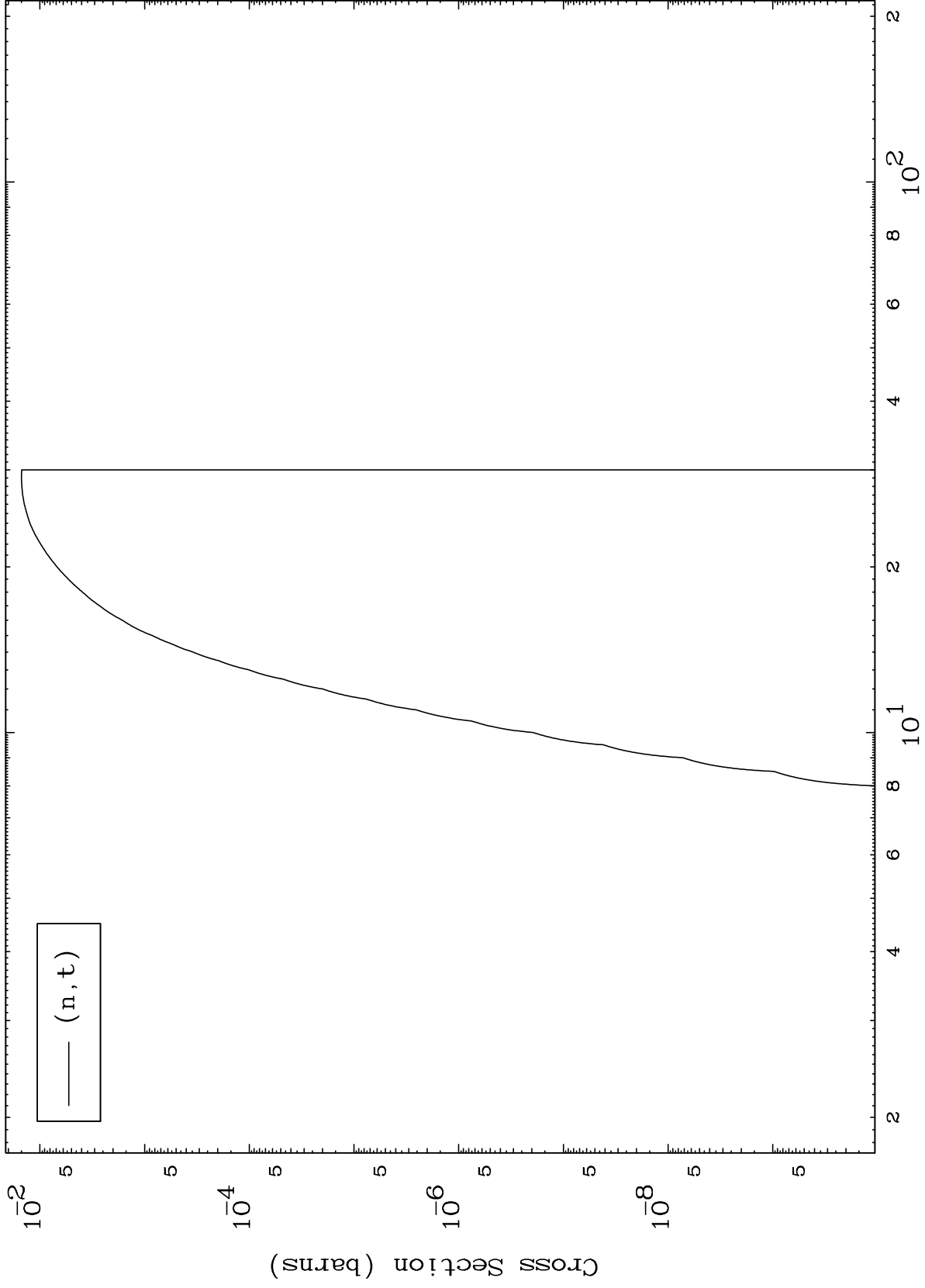
82-Pb-185



MAT 8168

(n,t) Levels
293 Kelvin Cross Sections

82-Pb-185



12

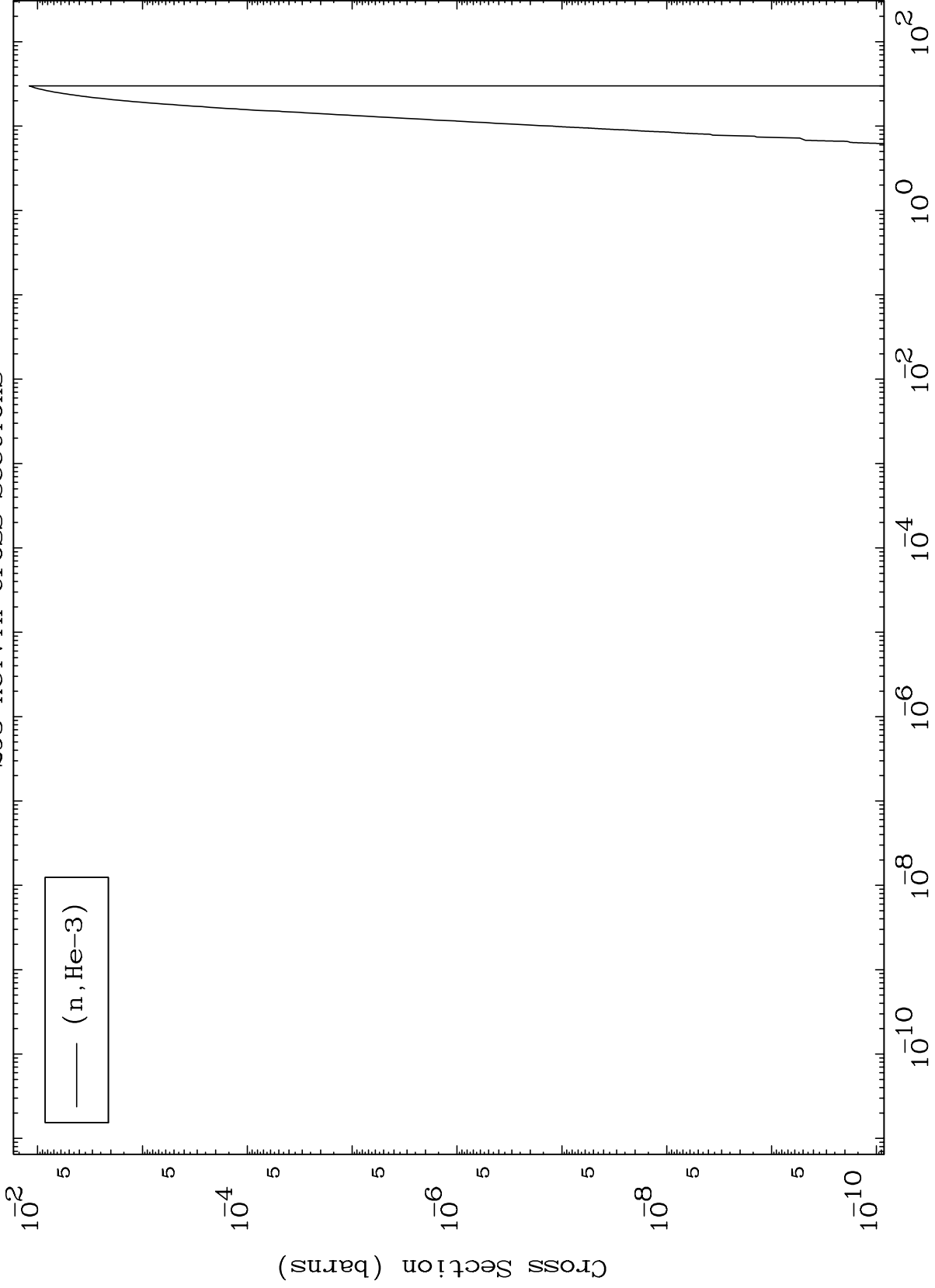
Incident Energy (MeV)

82-Pb-185

MAT 8168

(n,He3) Levels
293 Kelvin Cross Sections

82-Pb-185



13

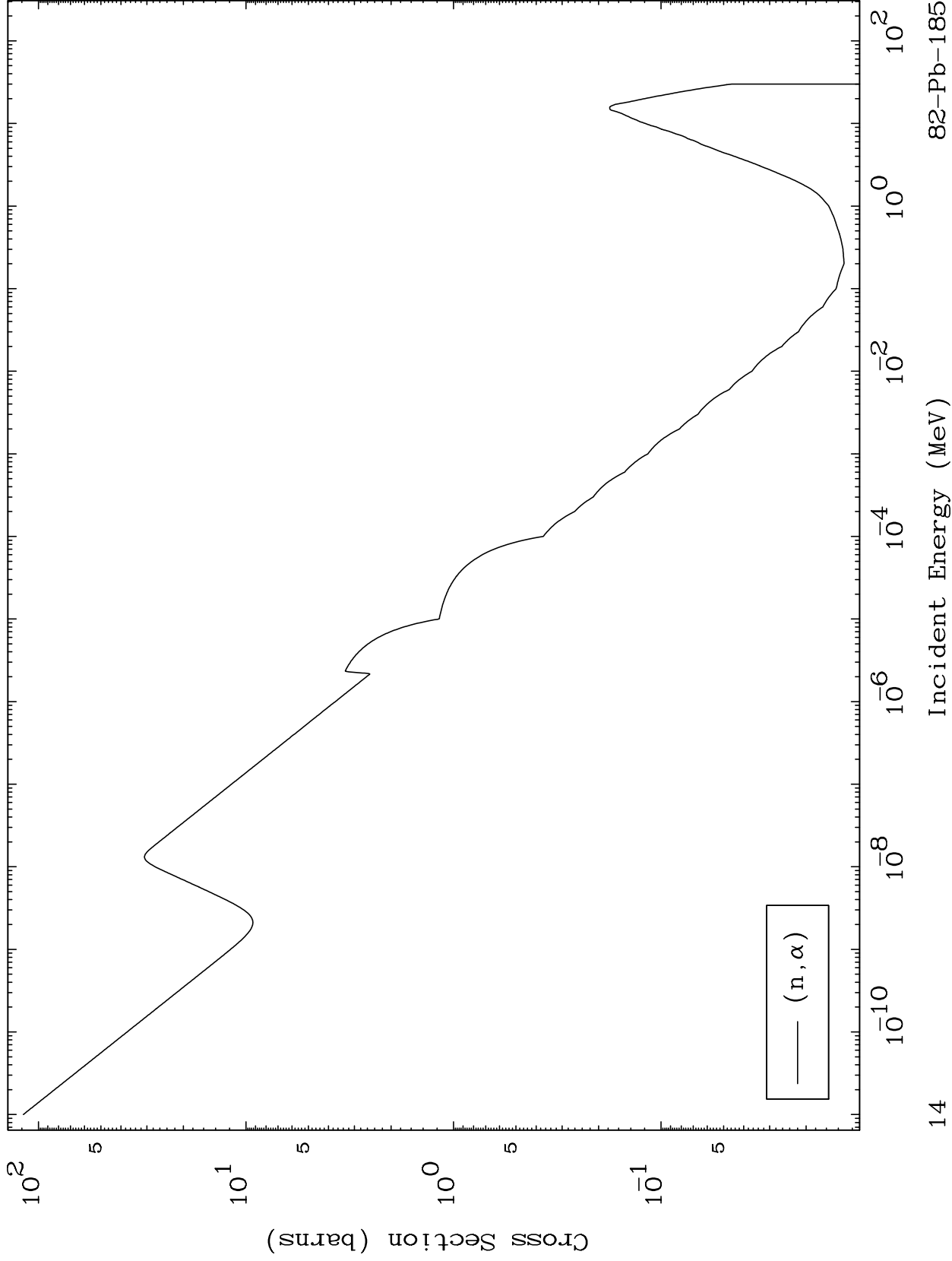
Incident Energy (MeV)

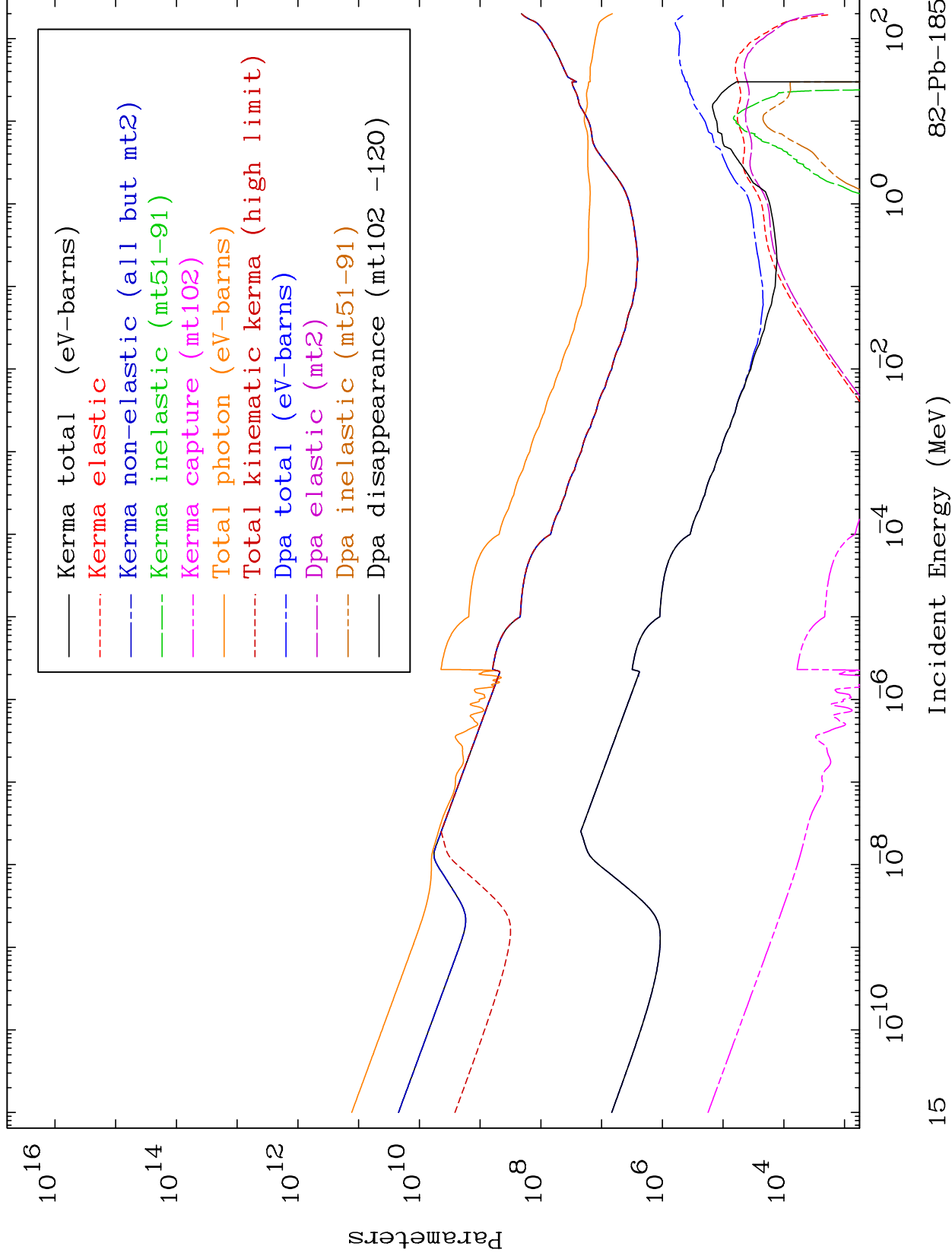
82-Pb-185

MAT 8168

(n, α) Levels
293 Kelvin Cross Sections

82-Pb-185

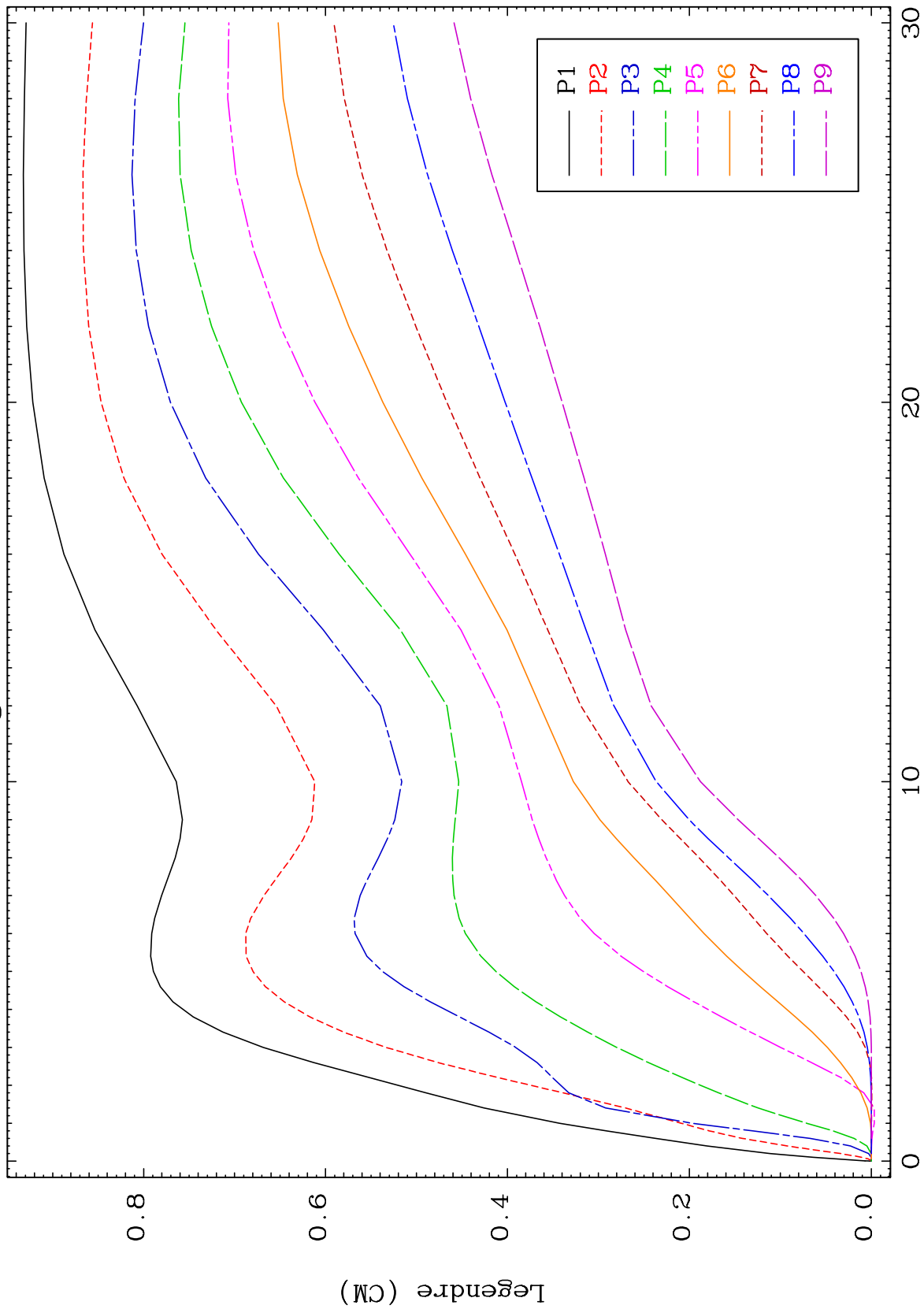




MAT 8168

Elastic Legendre Coefficients

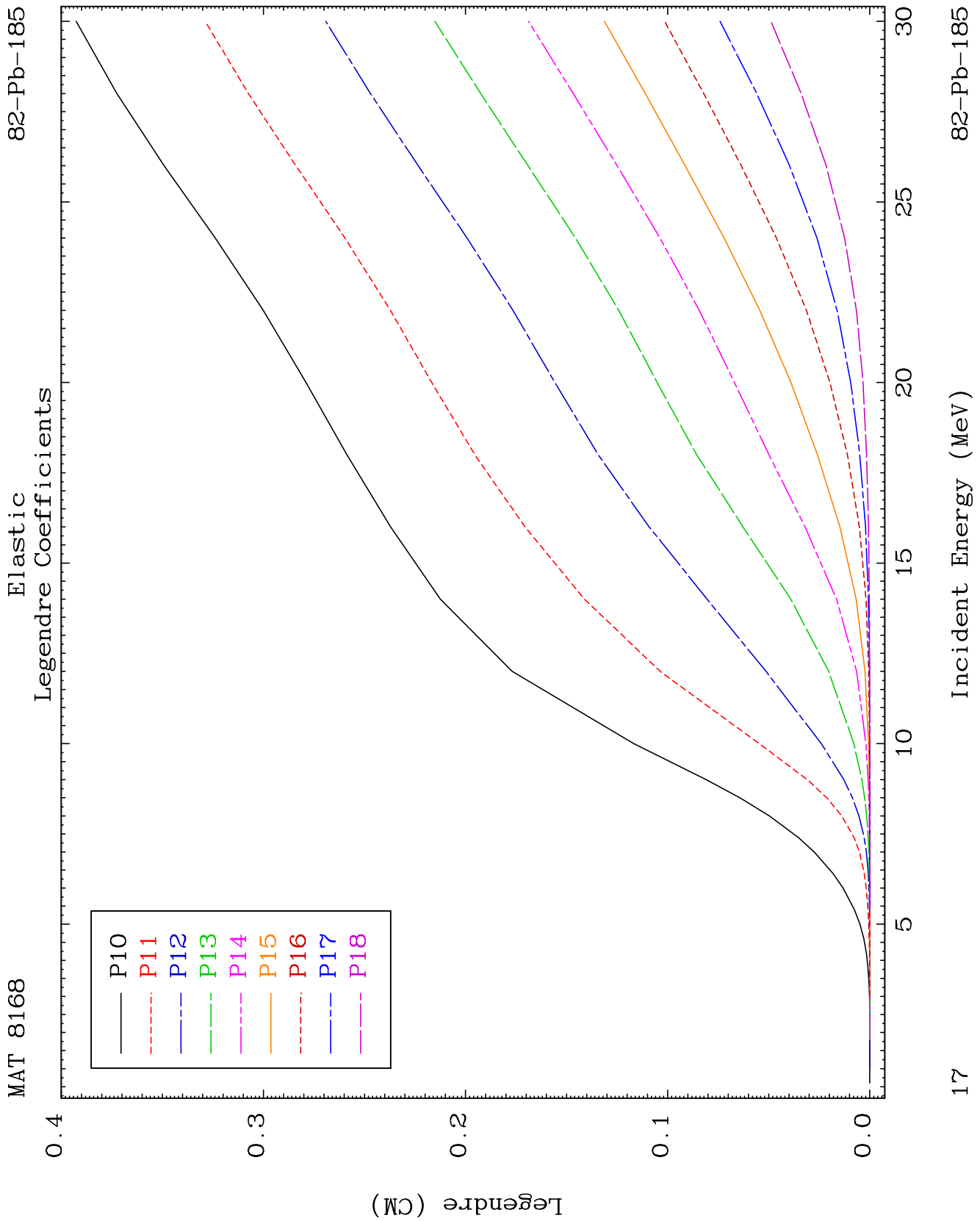
$^{82}\text{Pb-185}$



16

Incident Energy (MeV)

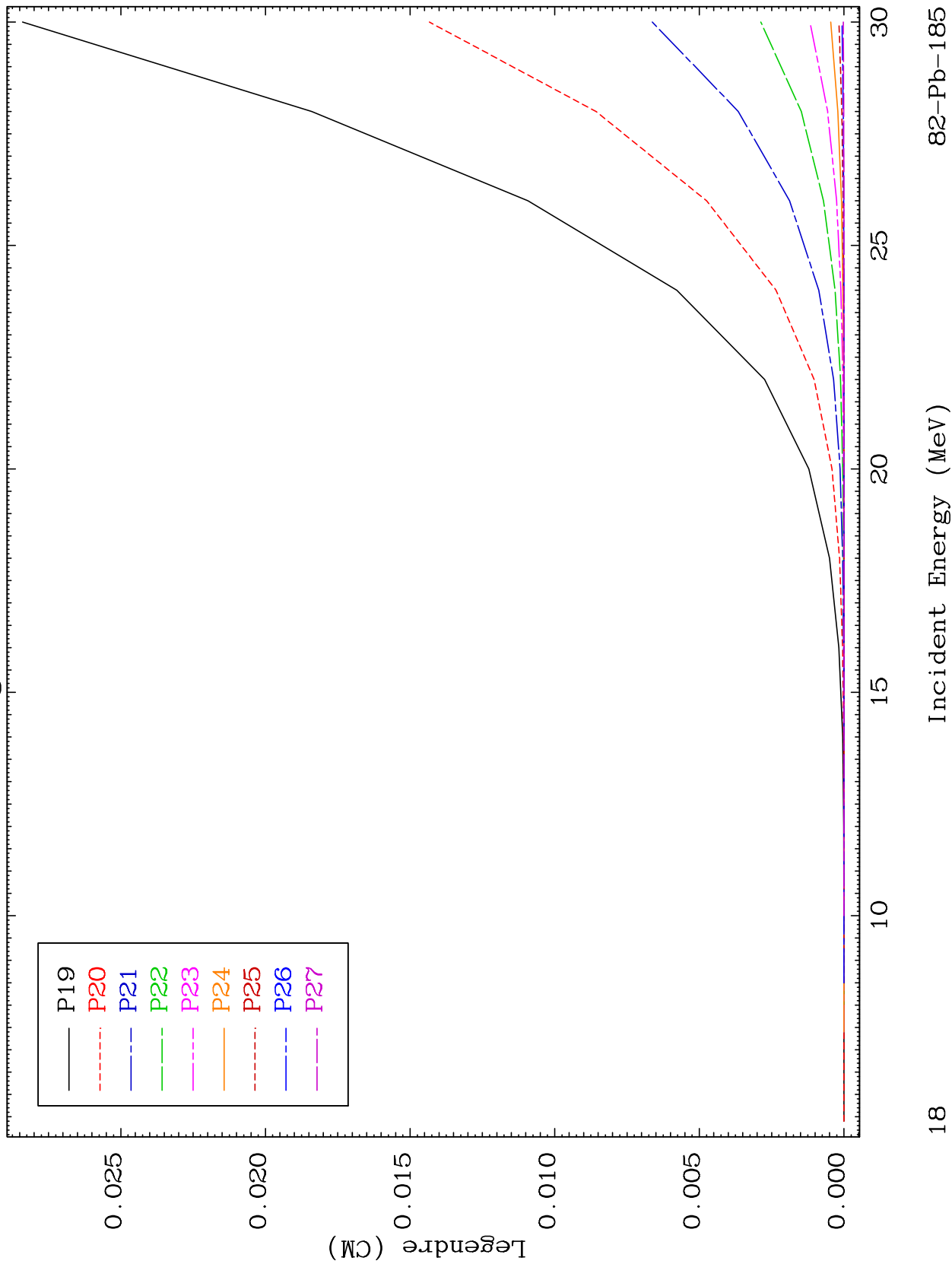
$^{82}\text{Pb-185}$



MAT 8168

Elastic Legendre Coefficients

82-Pb-185



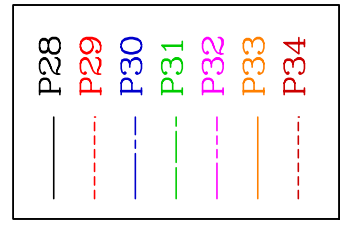
18

82-Pb-185

MAT 8168

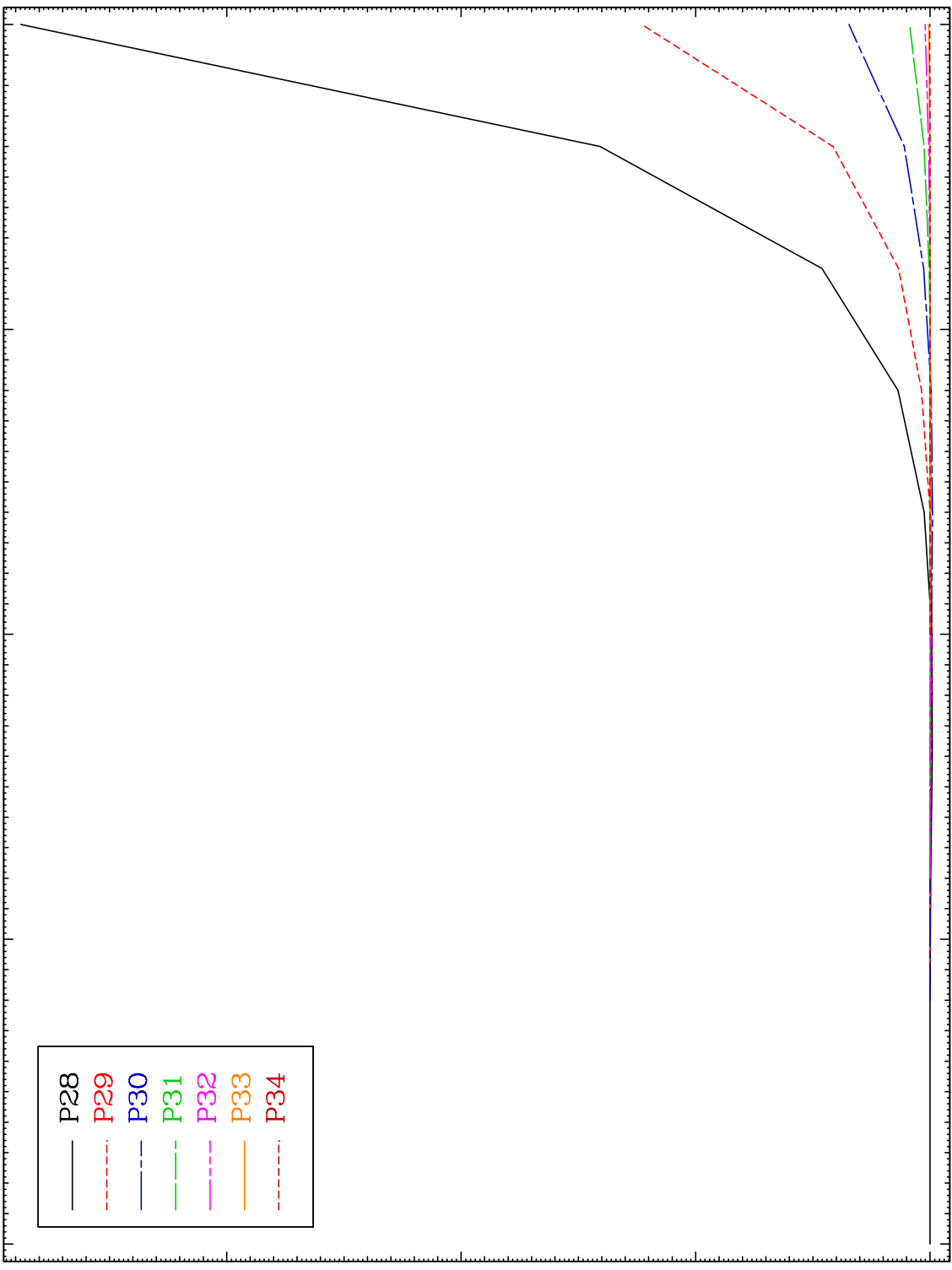
Elastic Legendre Coefficients

82-Pb-185



$\times 10^{-6}$

Legendre (CM)



30

25

20

15

10

Incident Energy (MeV)

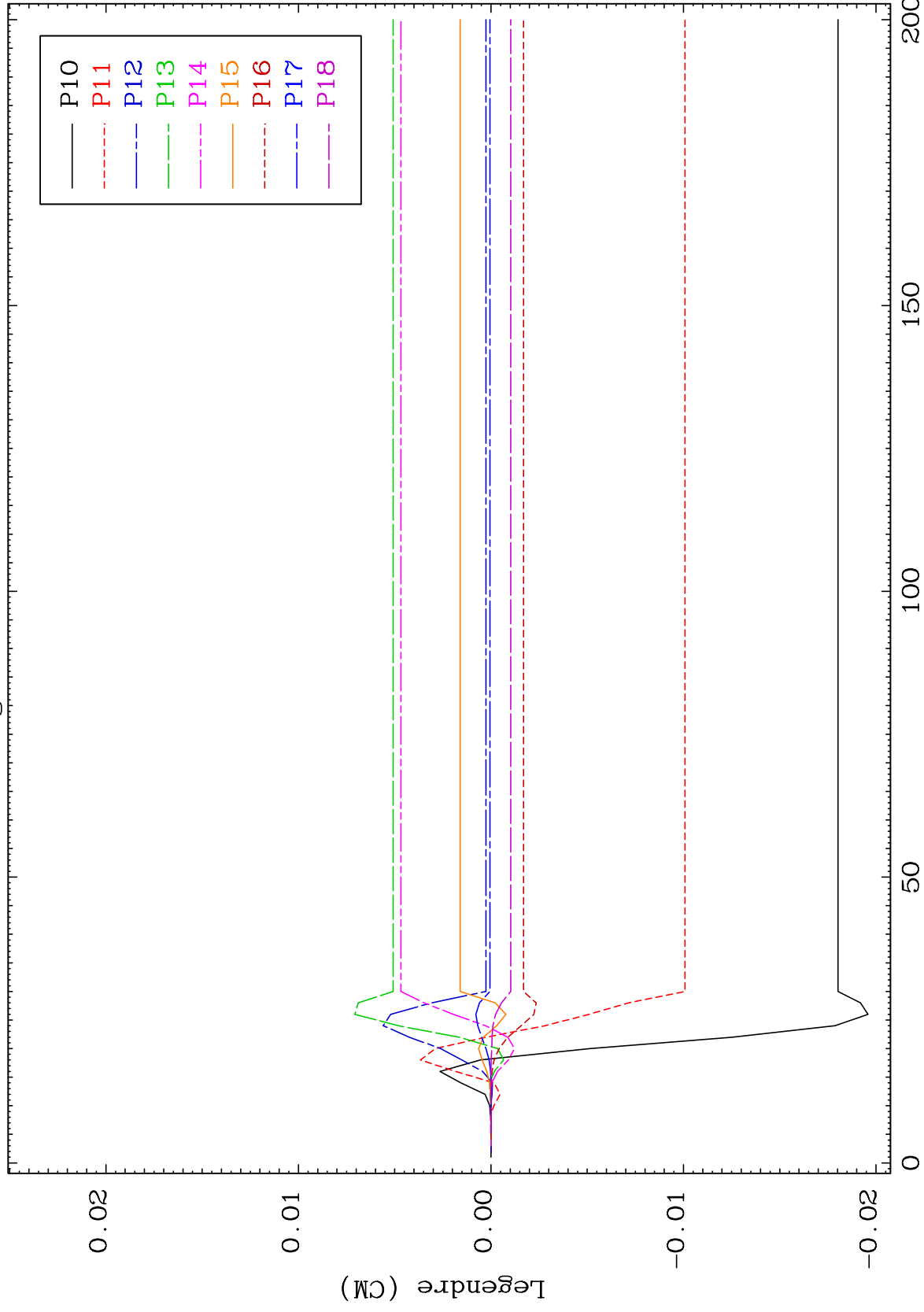
82-Pb-185

19

MAT 8168

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

82-Pb-185



21

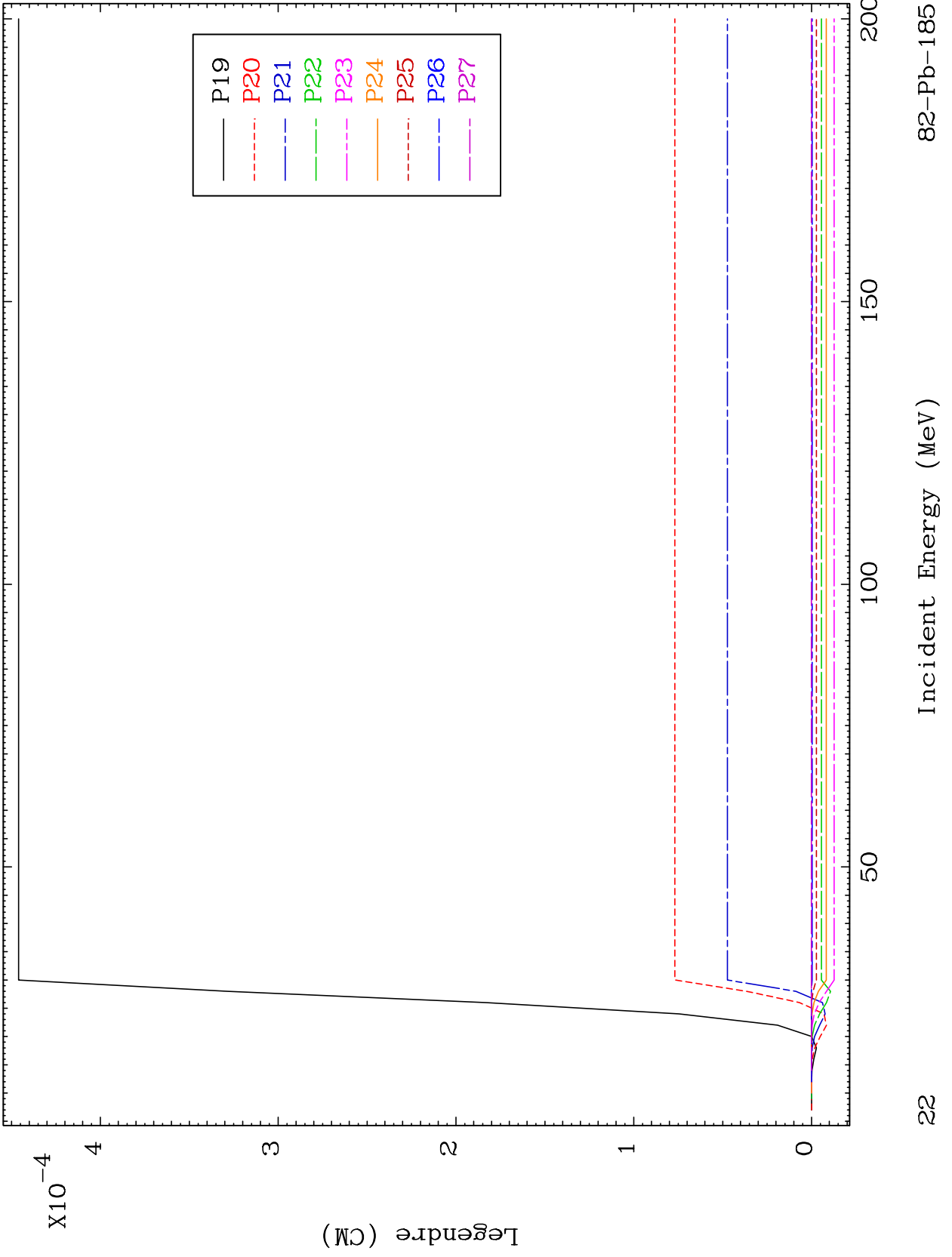
Incident Energy (MeV)

82-Pb-185

MAT 8168

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

82-Pb-185



22

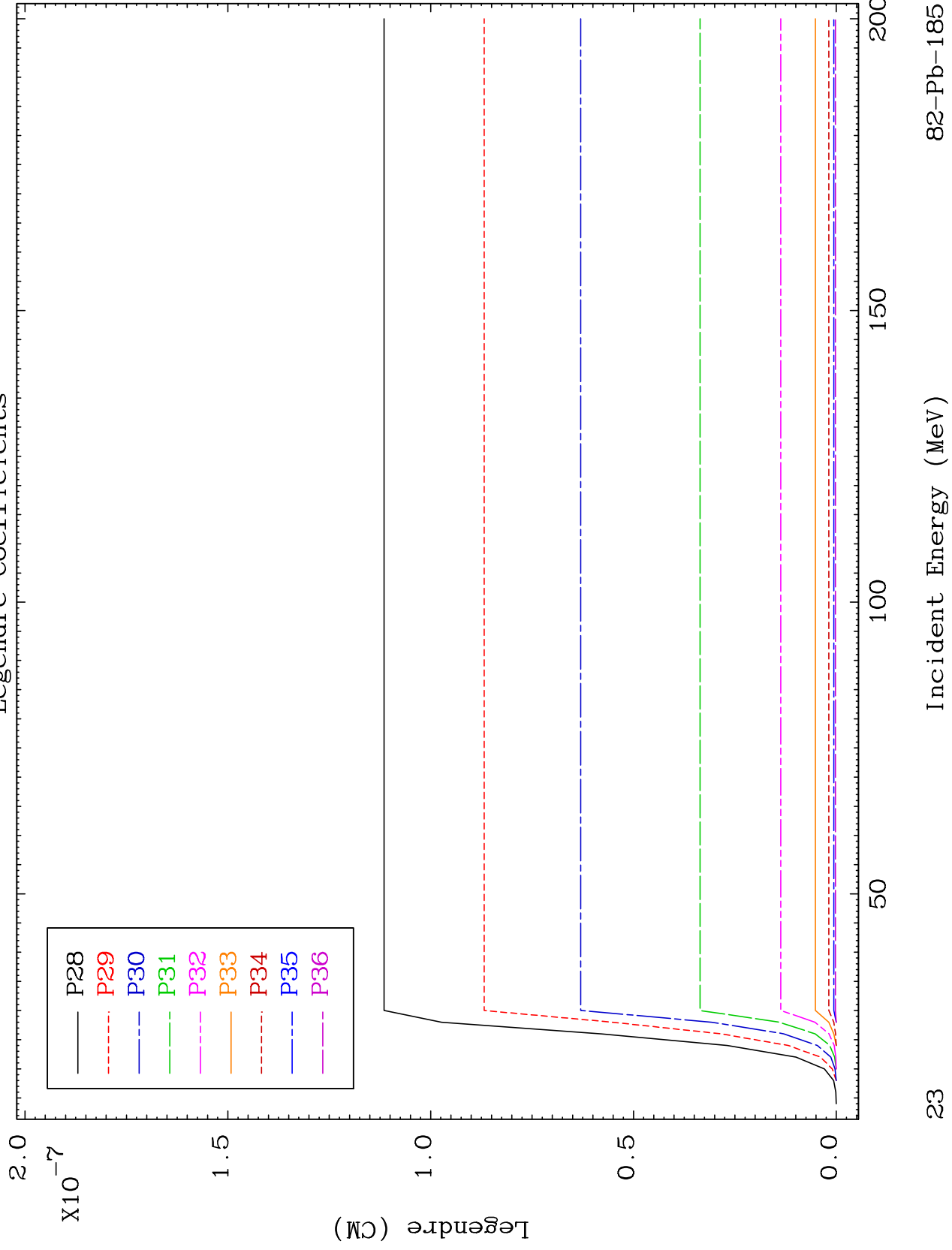
Incident Energy (MeV)

82-Pb-185

MAT 81688

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

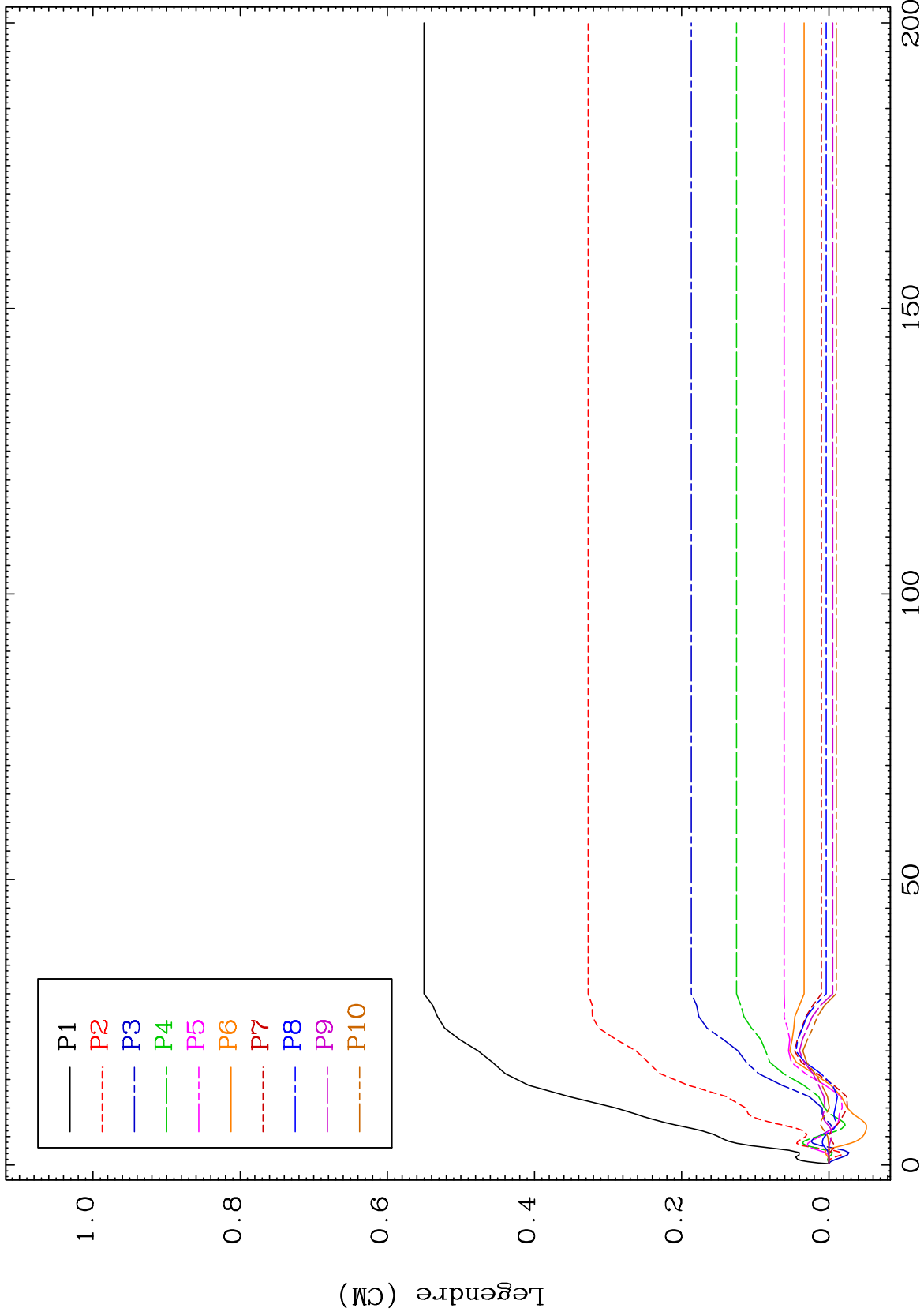
82-Pb-185



MAT 8168

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

82-Pb-185



24

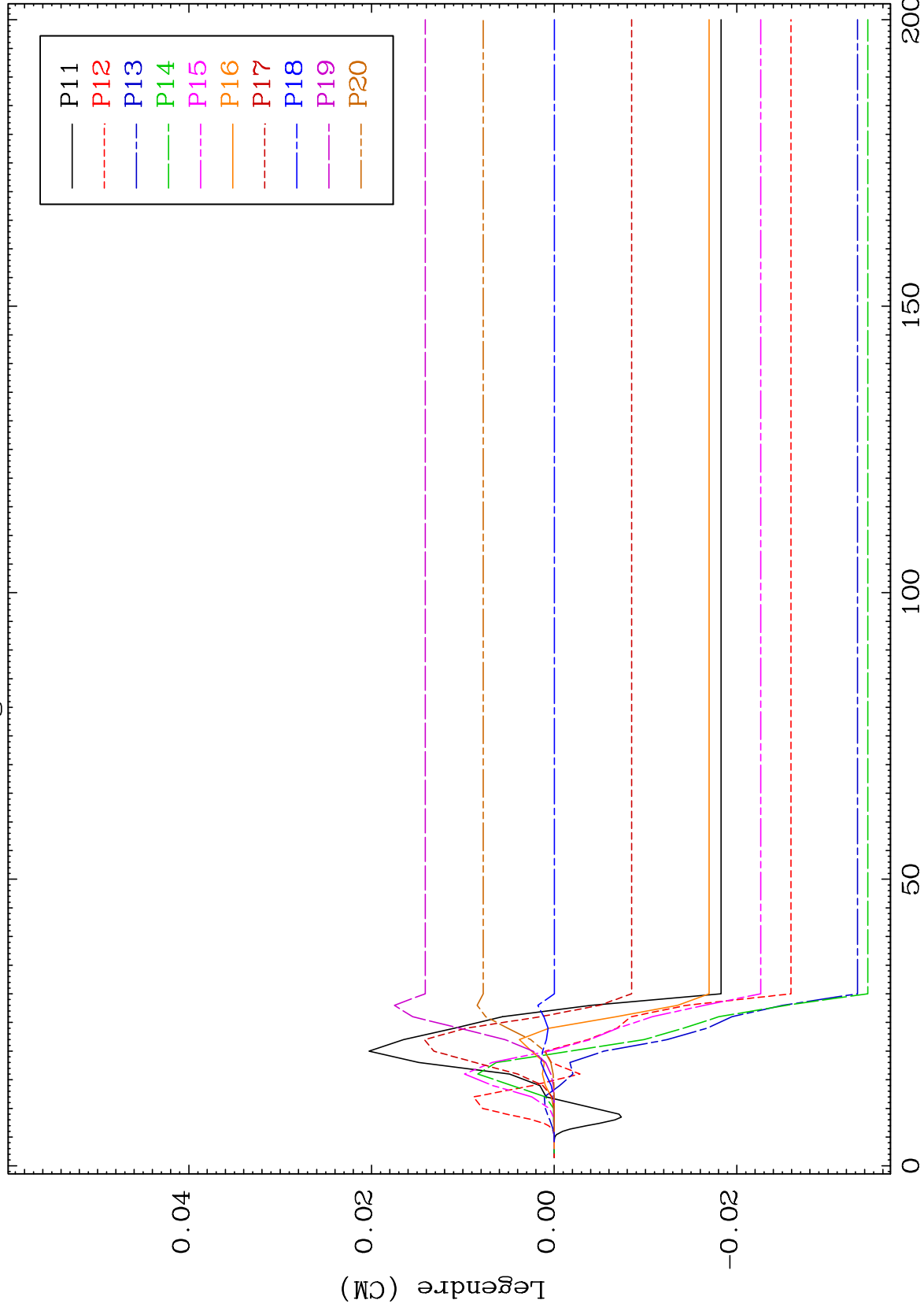
Incident Energy (MeV)

82-Pb-185

MAT 8168

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

82-Pb-185



25

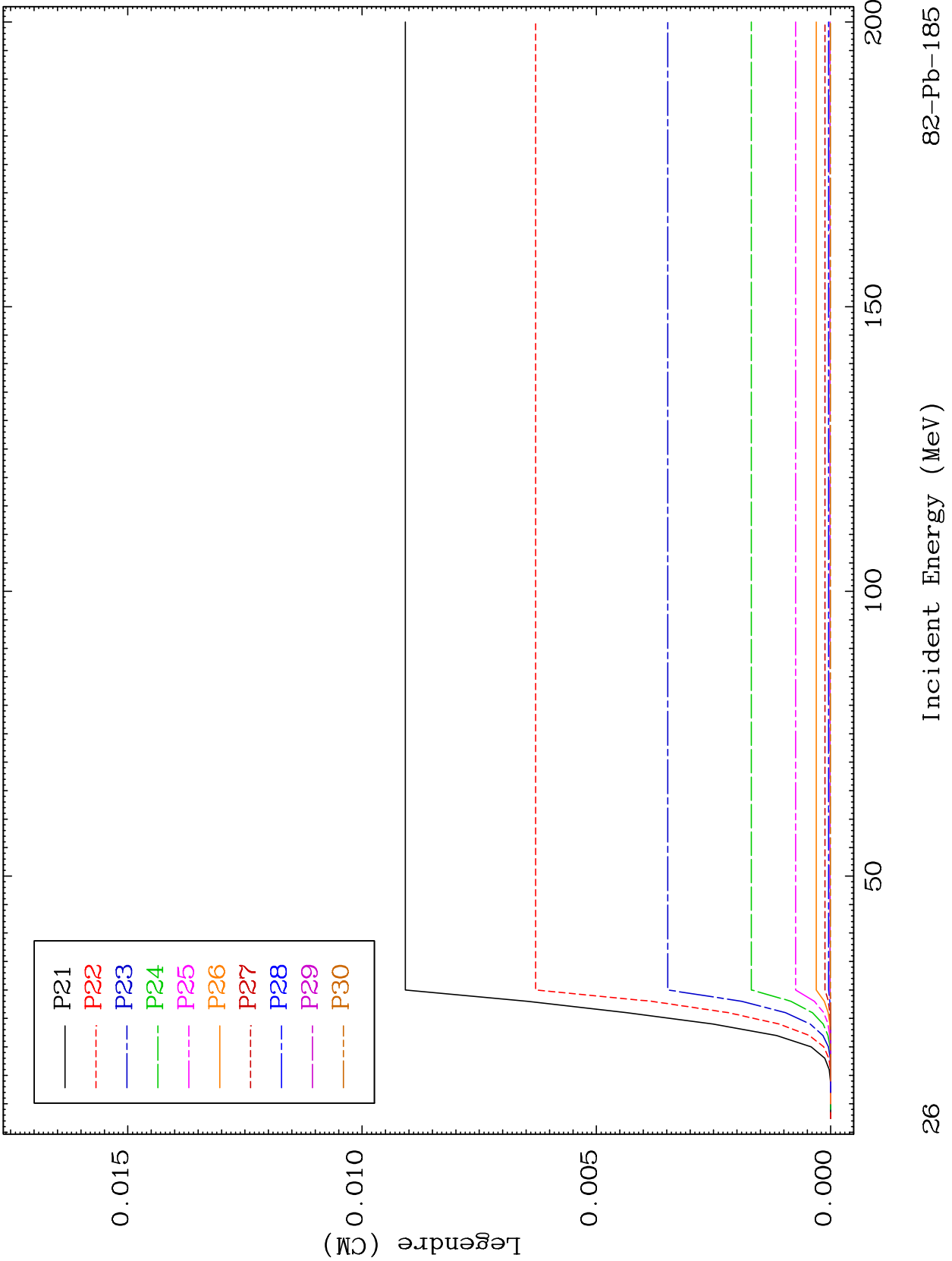
Incident Energy (MeV)

82-Pb-185

MAT 8168

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

82-Pb-185



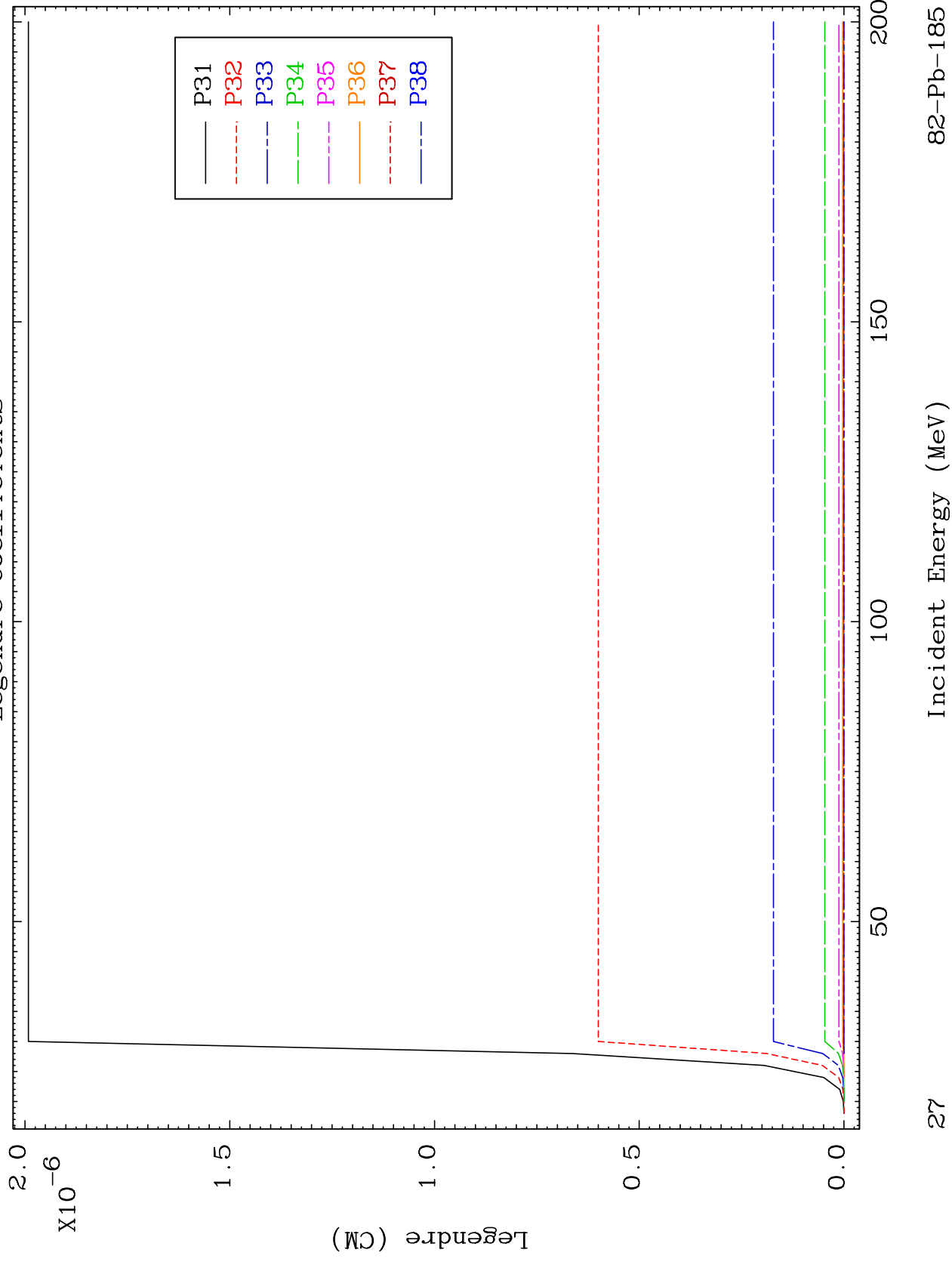
26

82-Pb-185

MAT 8168

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

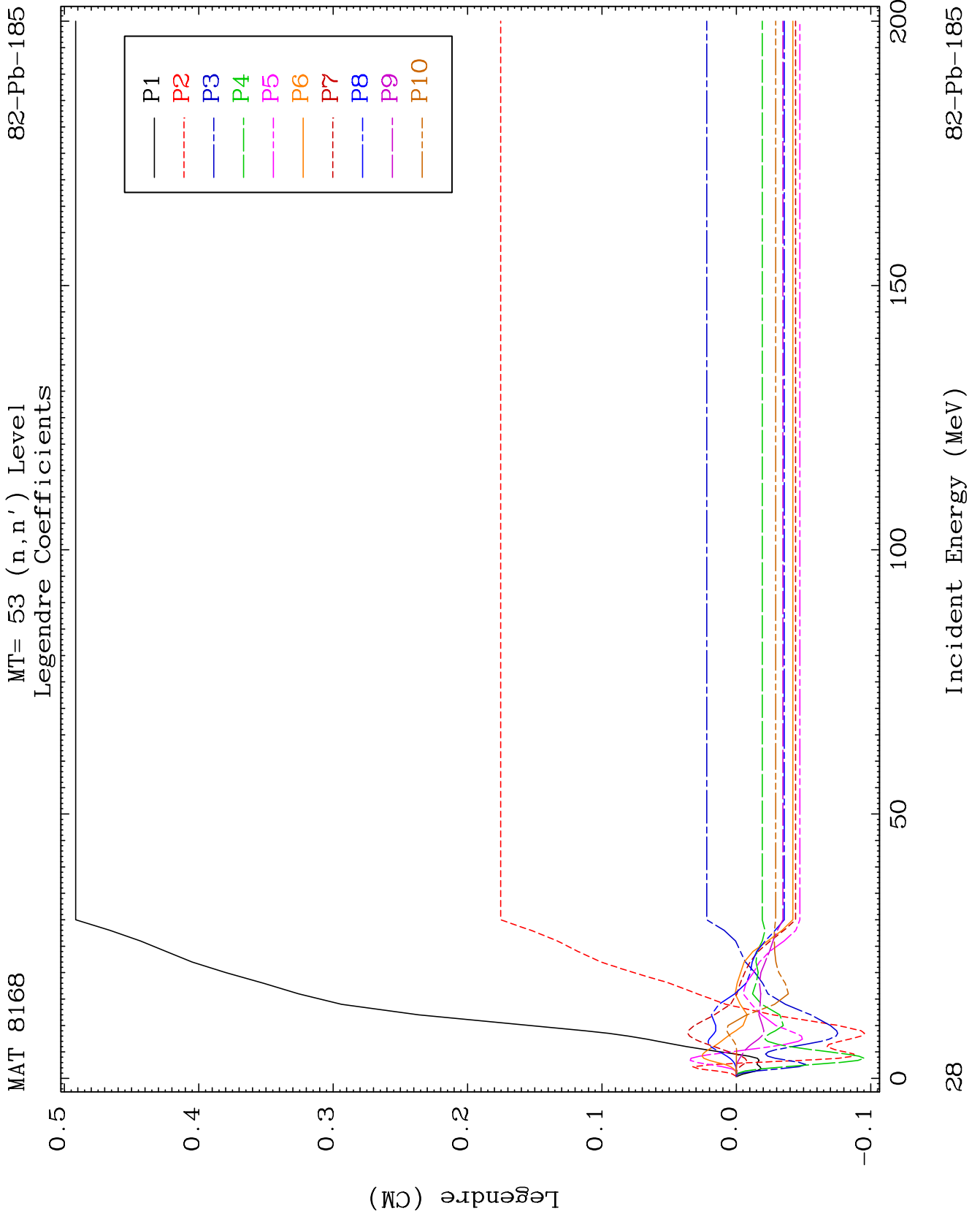
82-Pb-185



27

Incident Energy (MeV)

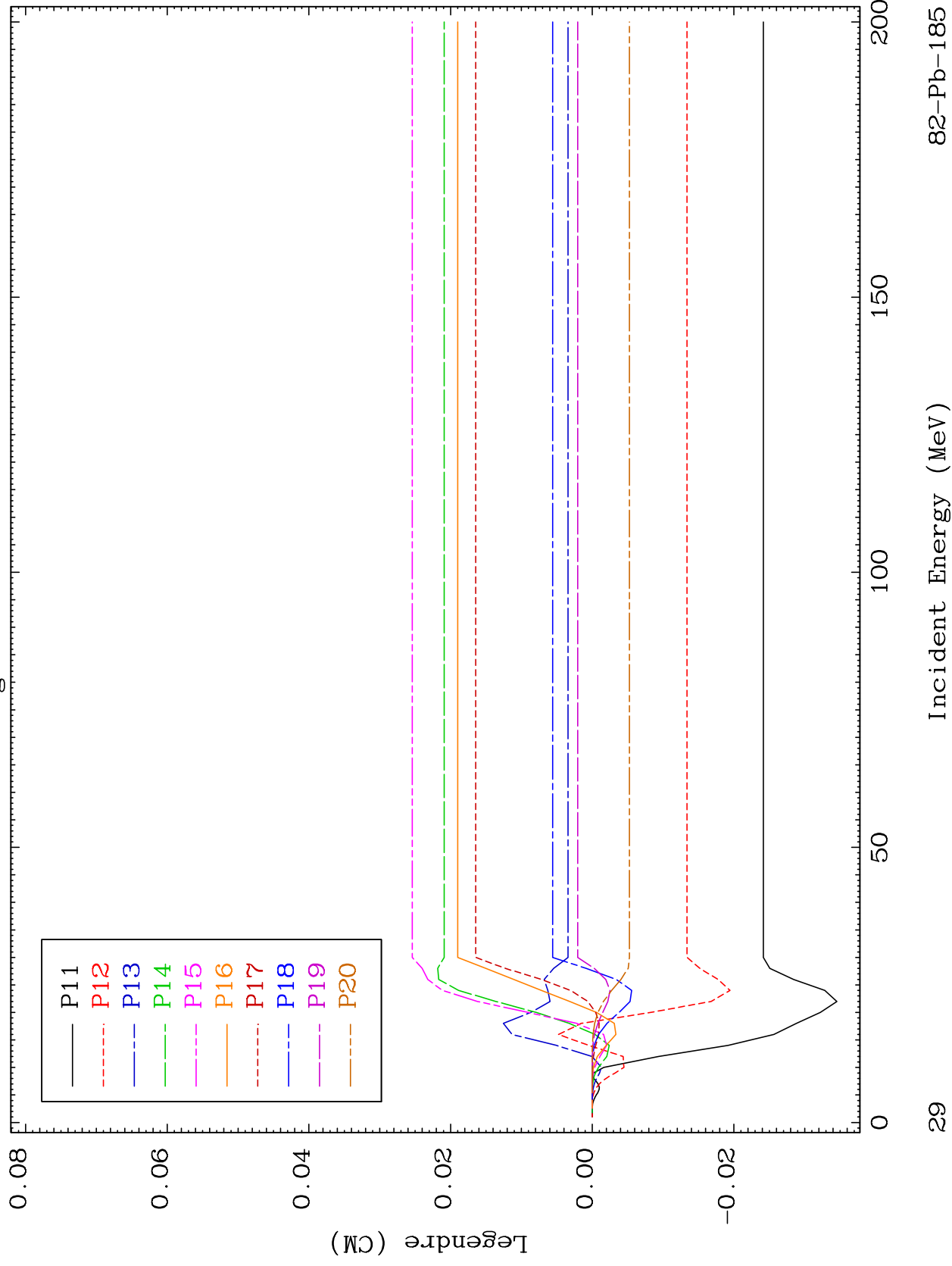
82-Pb-185



MAT 8168

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

82-Pb-185



29

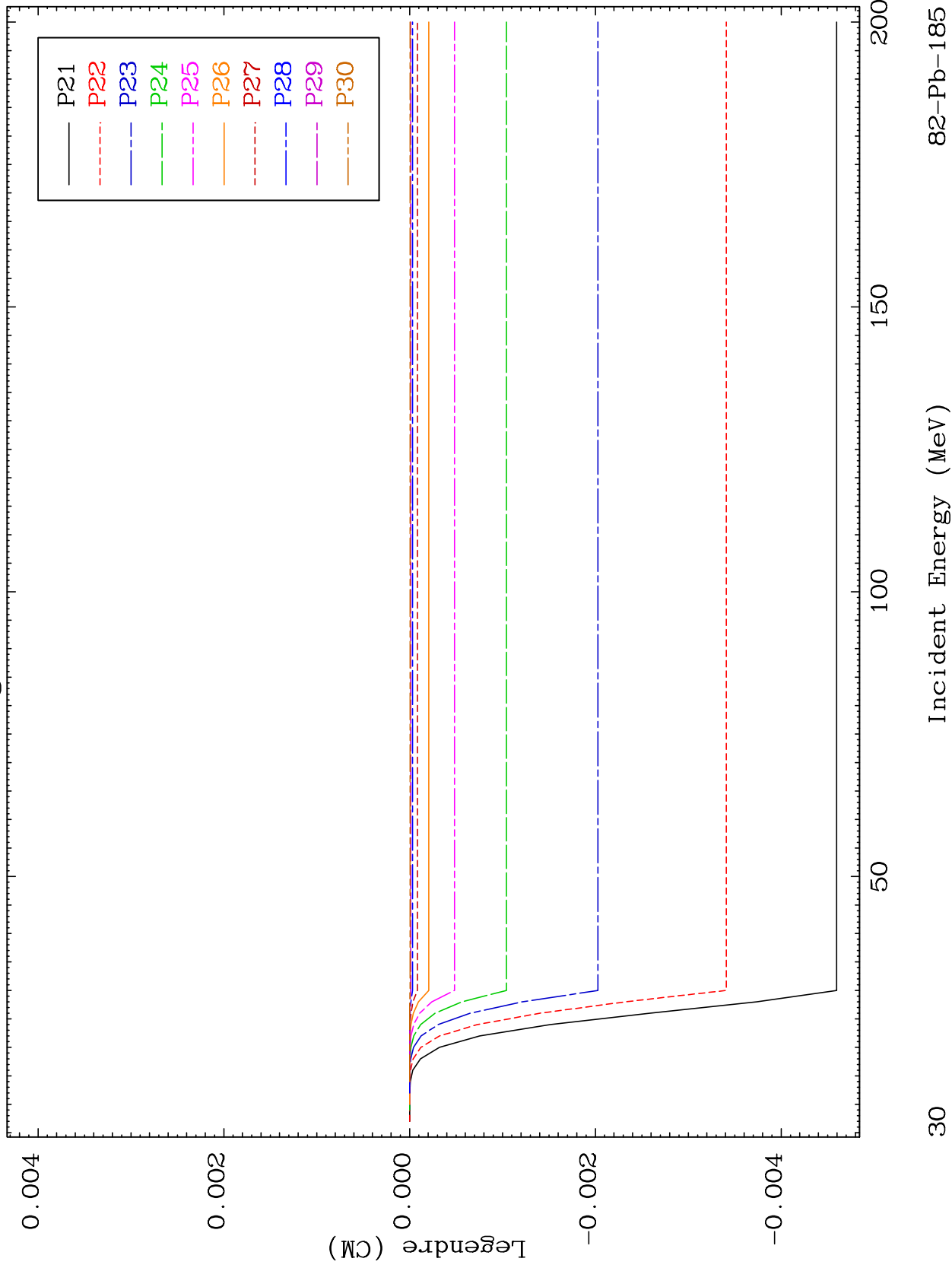
Incident Energy (MeV)

82-Pb-185

MAT 8168

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

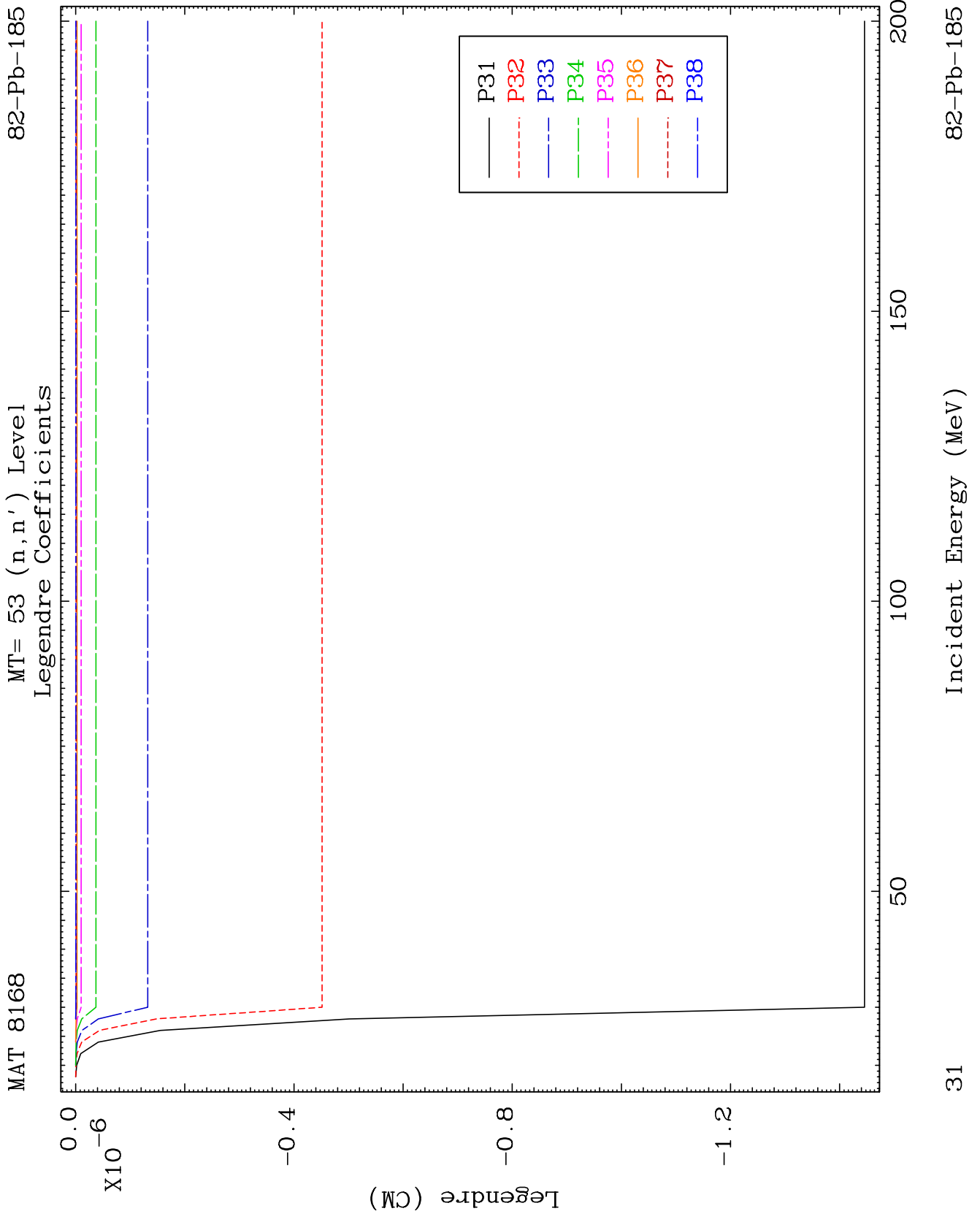
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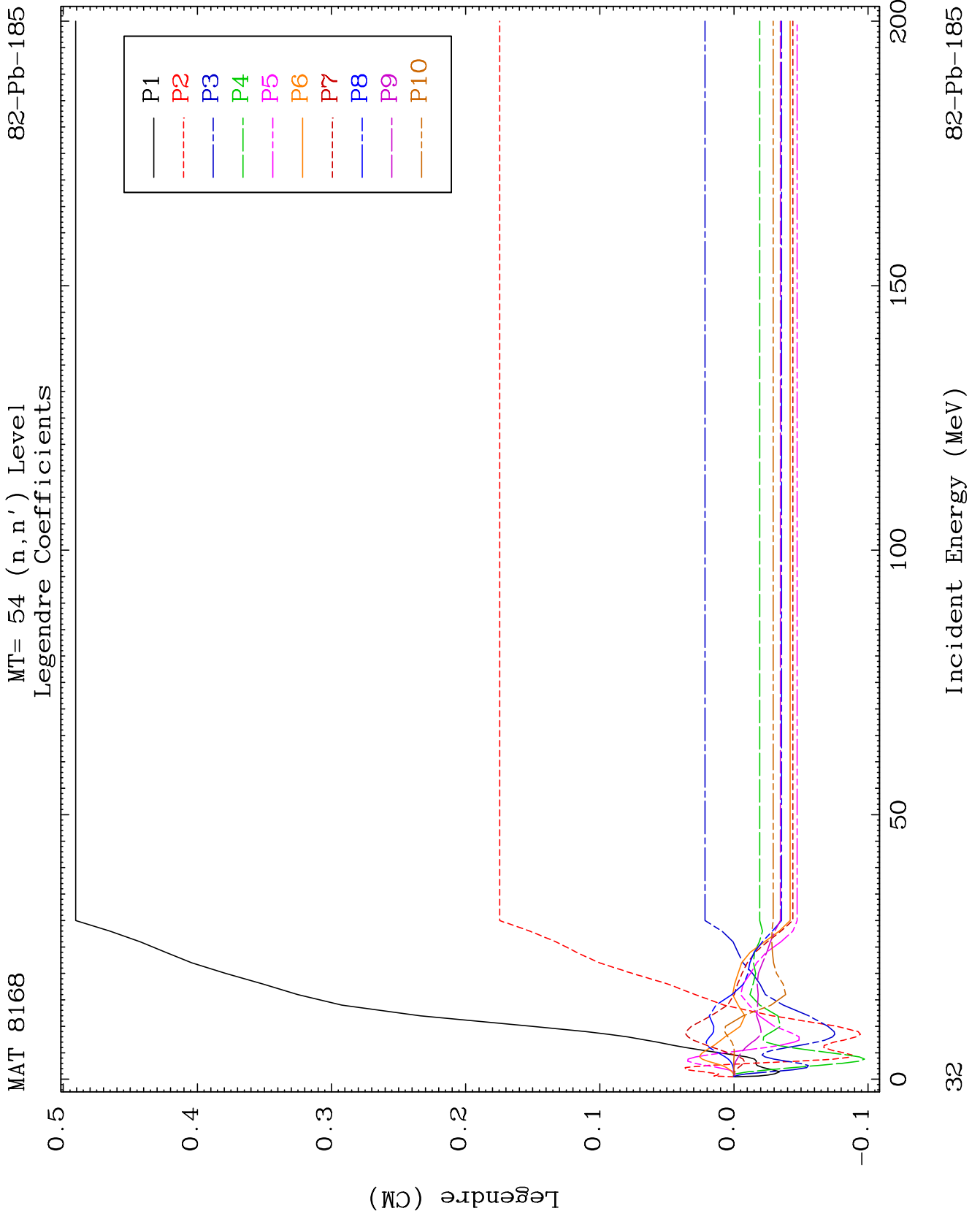


82-Pb-185

Incident Energy (MeV)

30

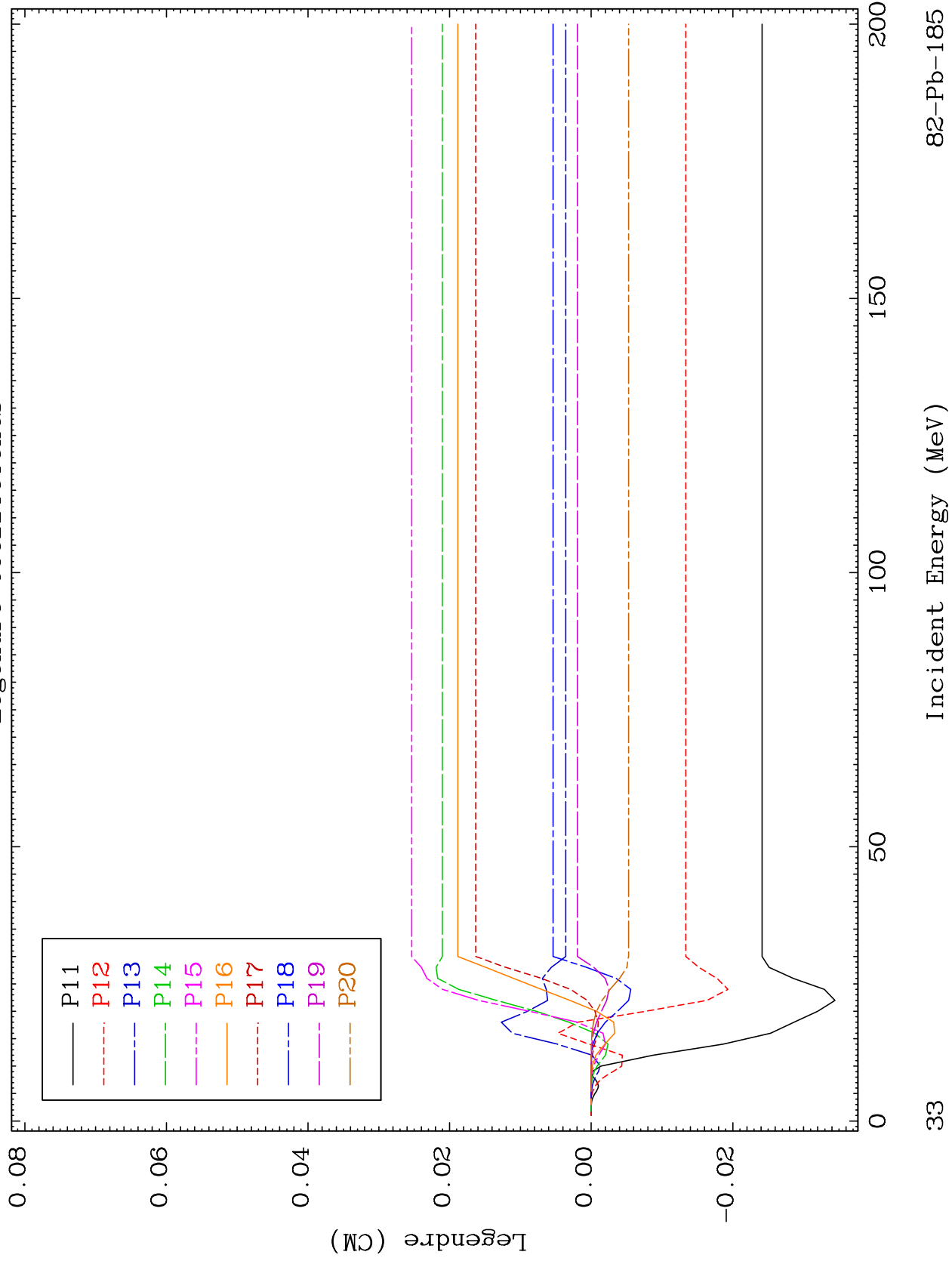




MAT 8168

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

82-Pb-185



33

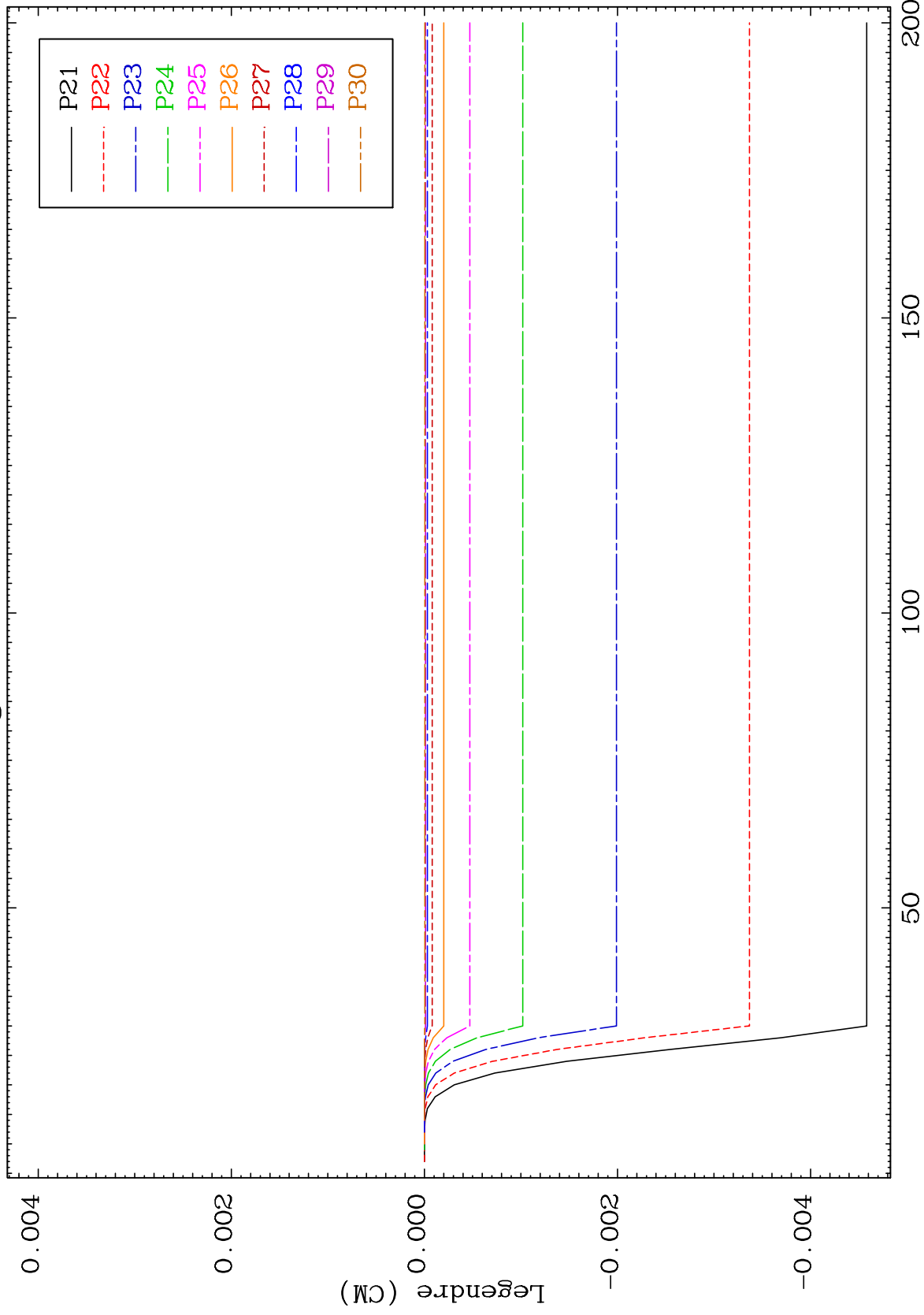
Incident Energy (MeV)

82-Pb-185

MAT 8168

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

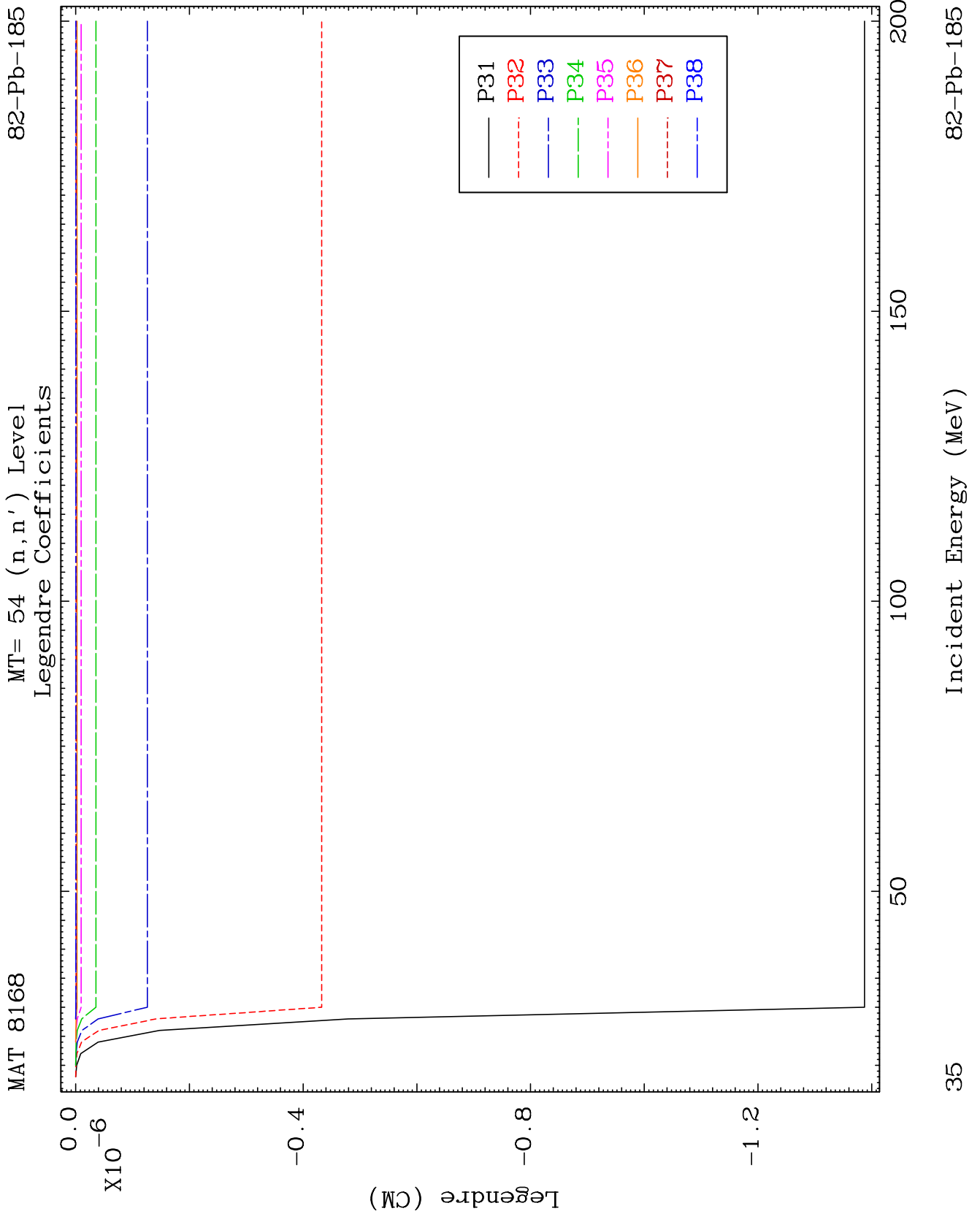
82-Pb-185



34

Incident Energy (MeV)

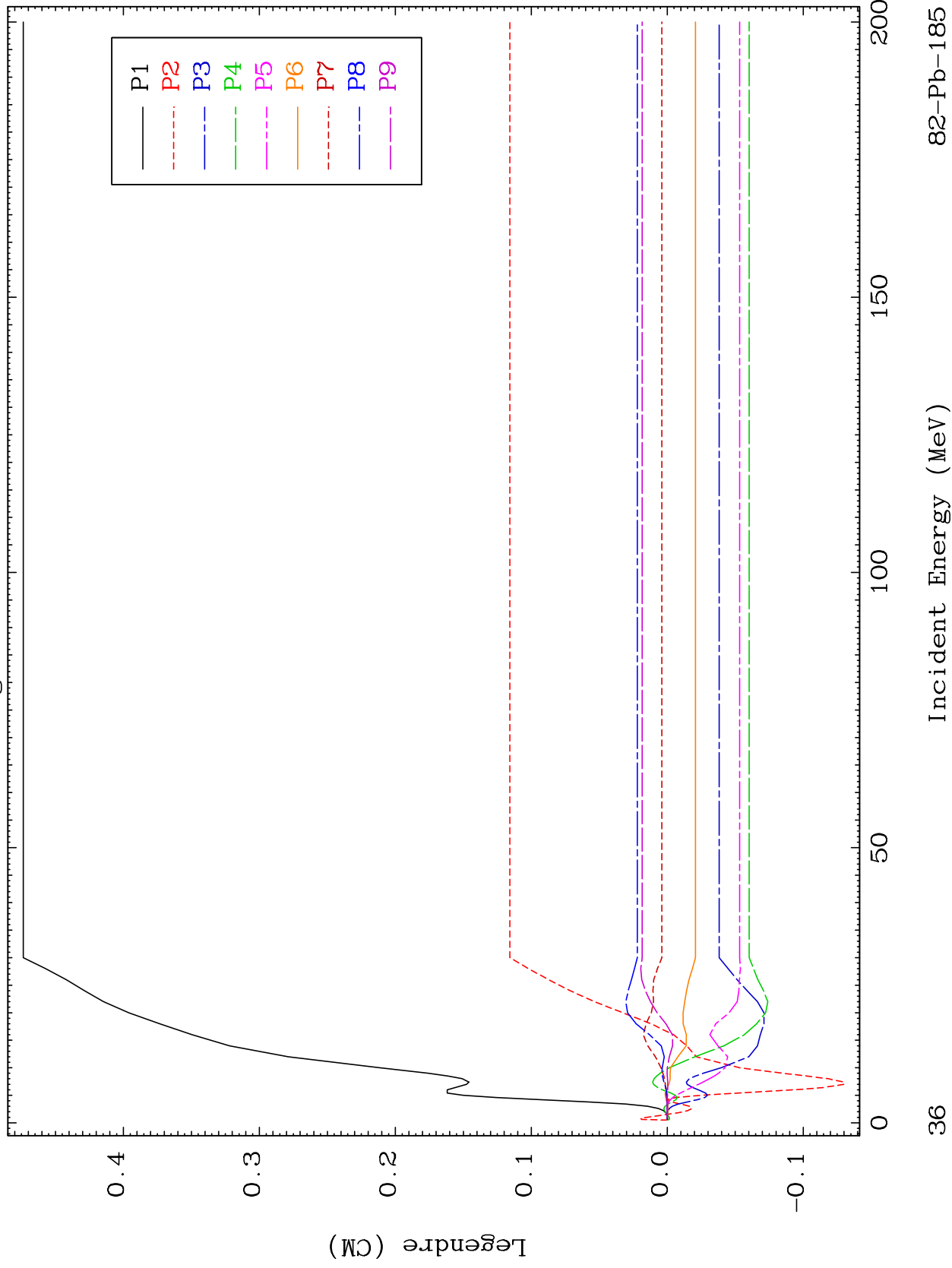
82-Pb-185



MAT 8168

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

82-Pb-185



82-Pb-185

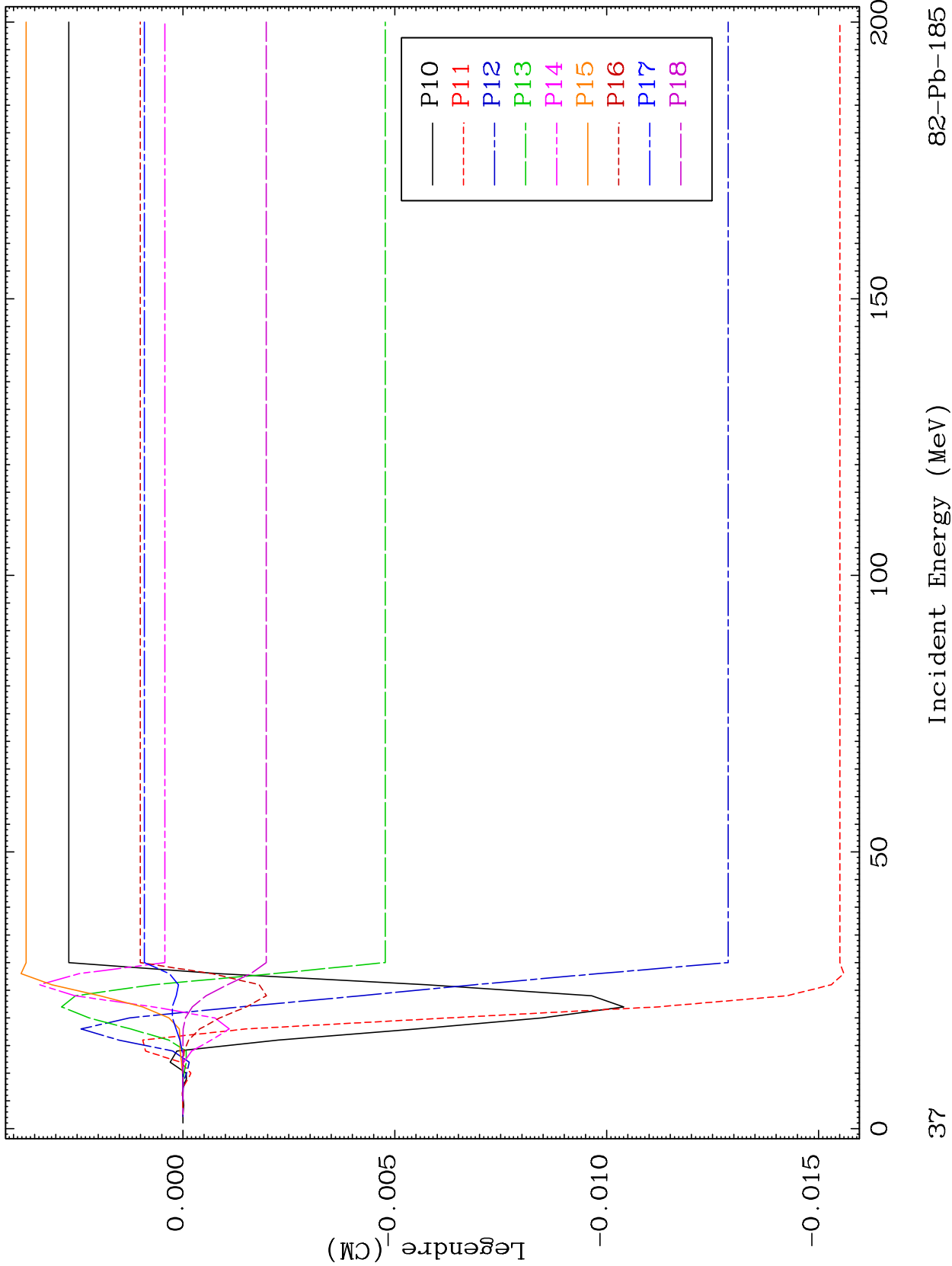
Incident Energy (MeV)

36

MAT 8168

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

82-Pb-185



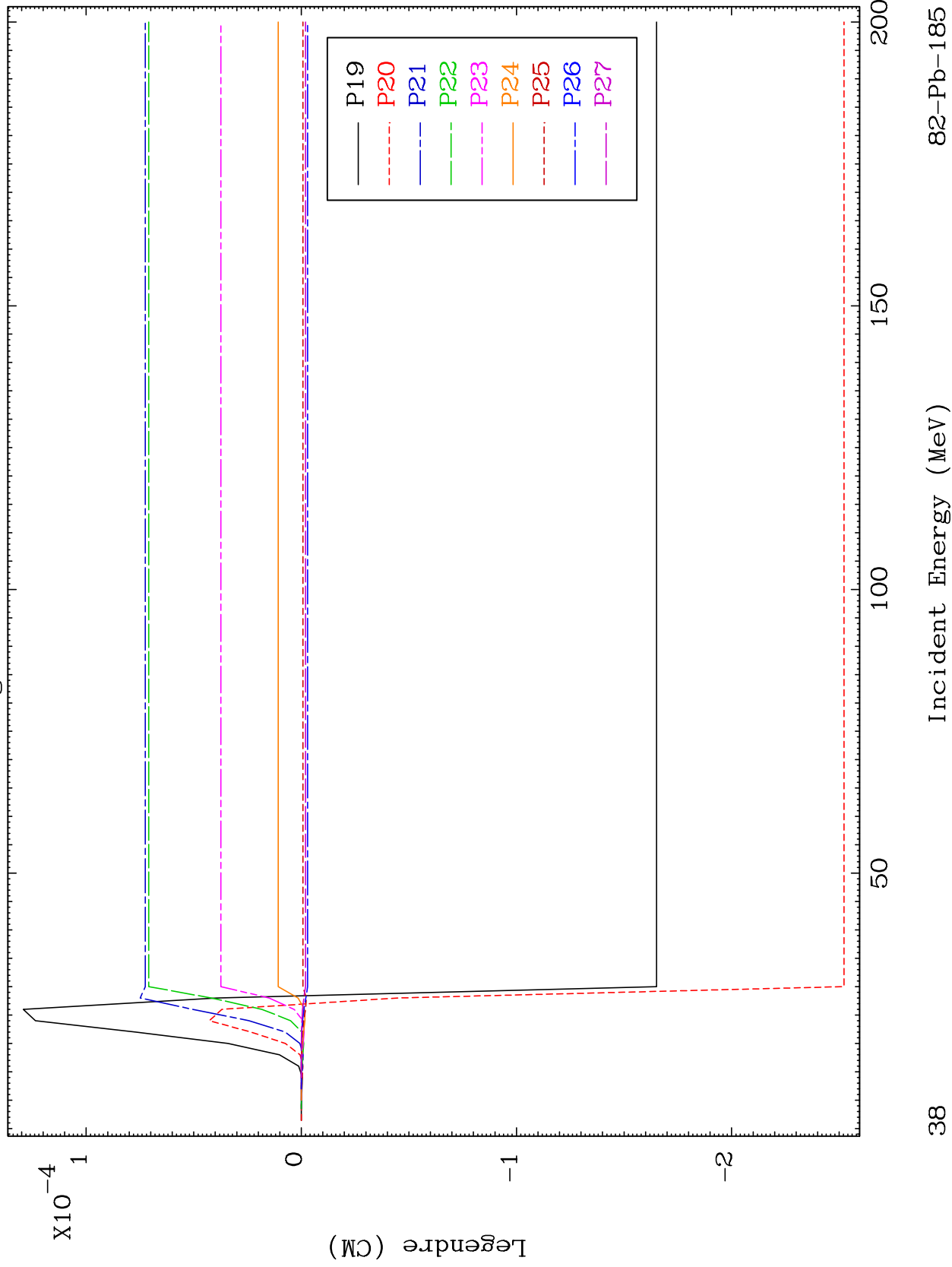
37

82-Pb-185

MAT 8168

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

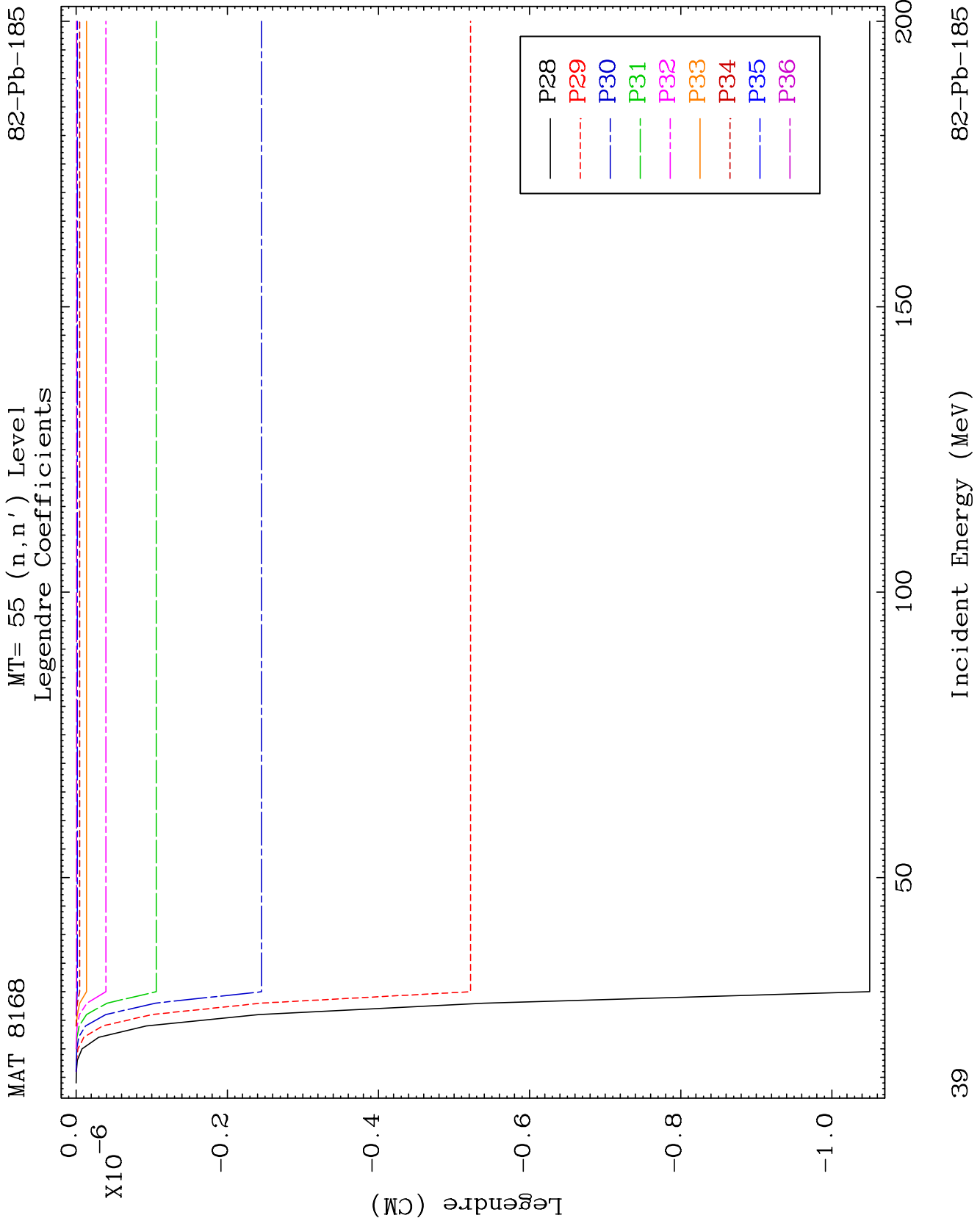
82-Pb-185



38

Incident Energy (MeV)

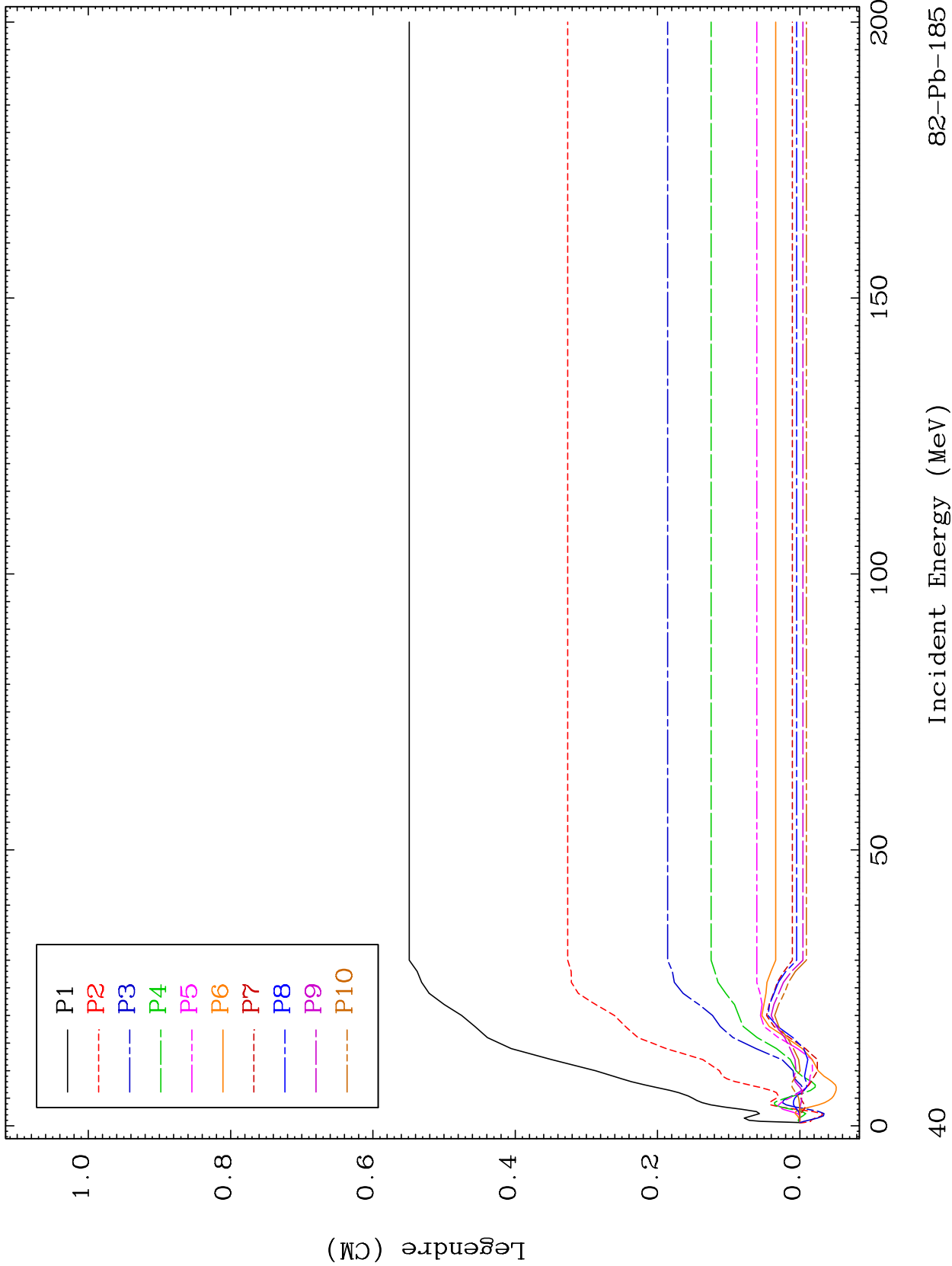
82-Pb-185



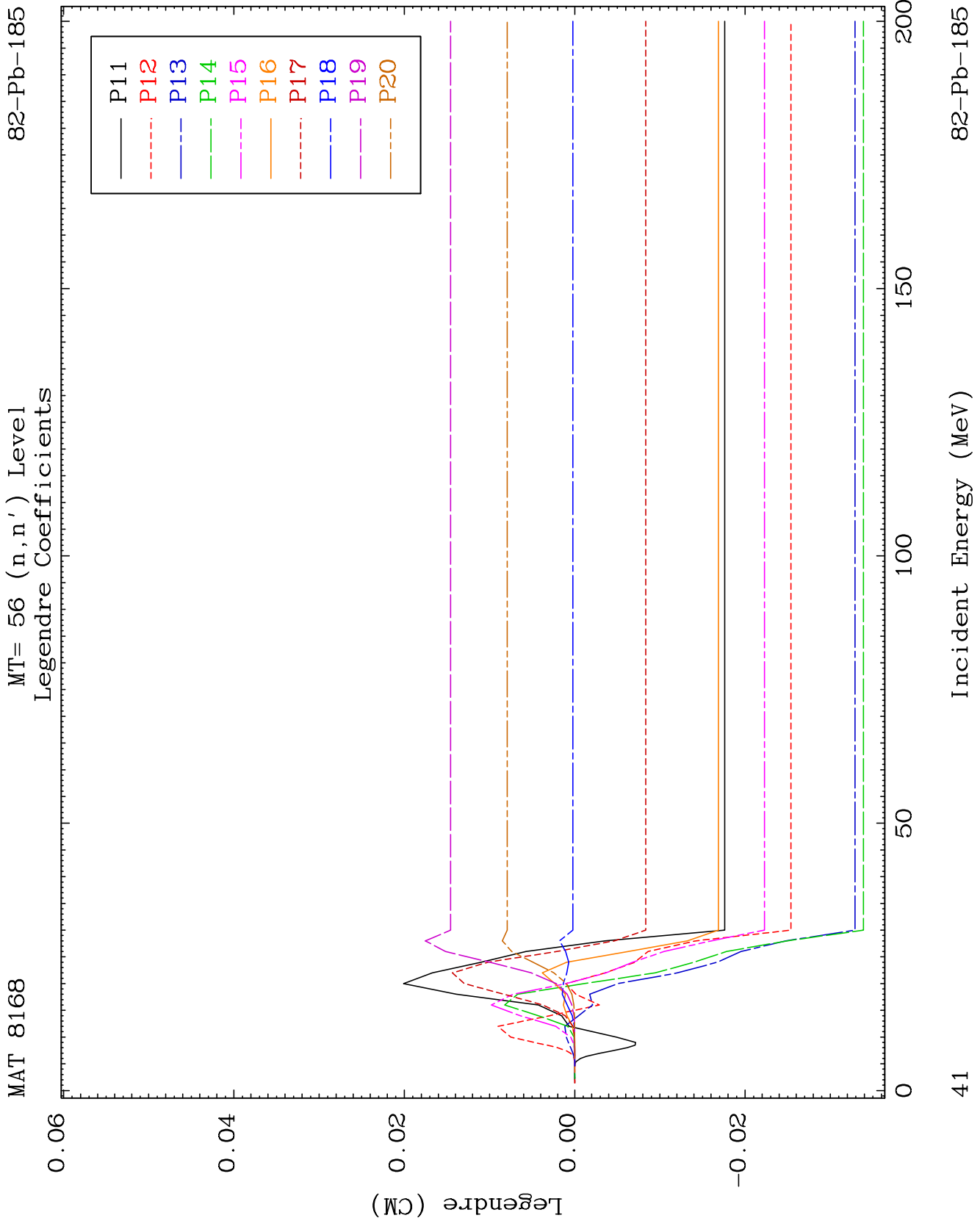
MAT 81688

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

82-Pb-185



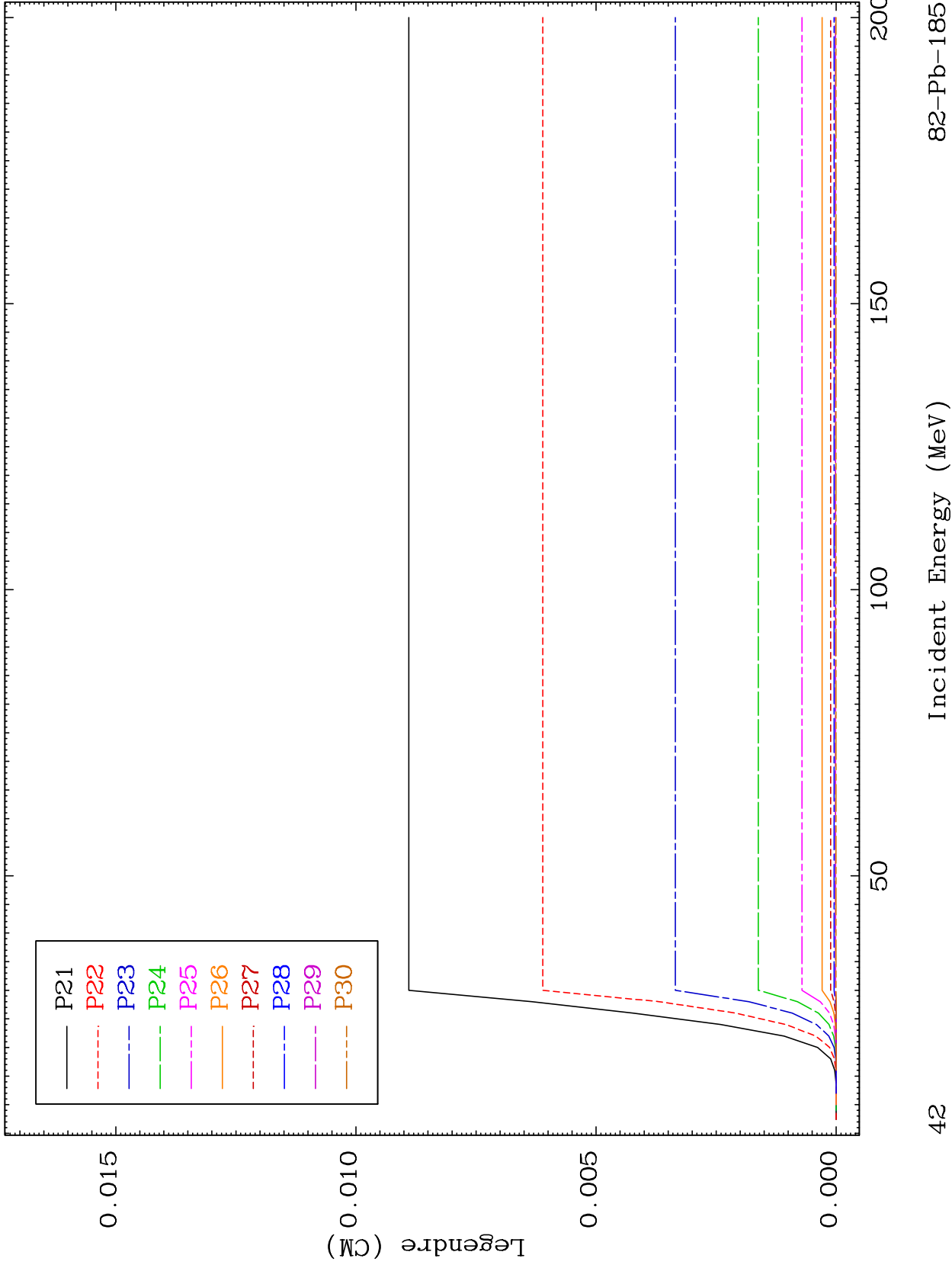
82-Pb-185



MAT 8168

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

82-Pb-185



42

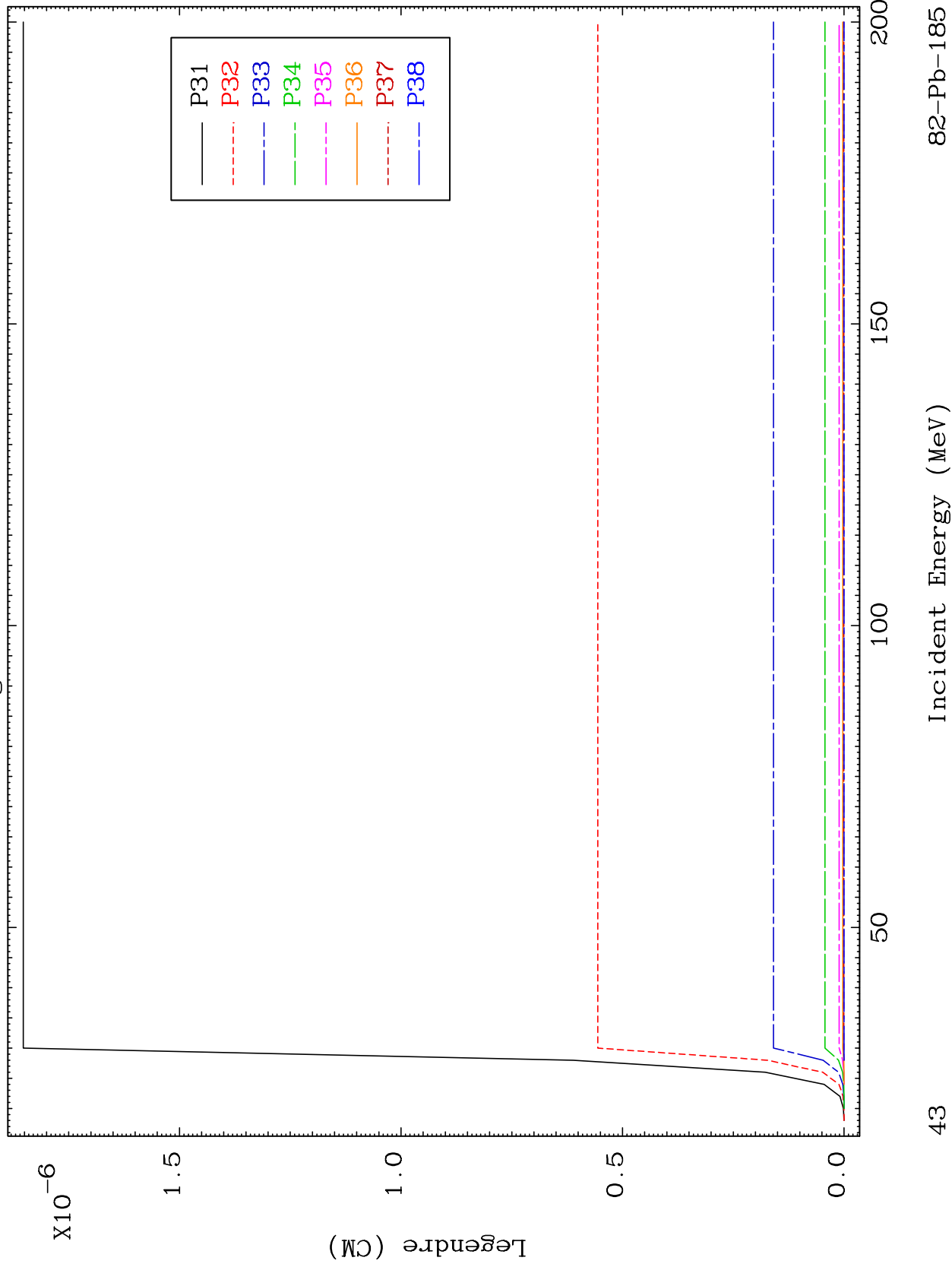
Incident Energy (MeV)

82-Pb-185

MAT 8168

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

82-Pb-185



43

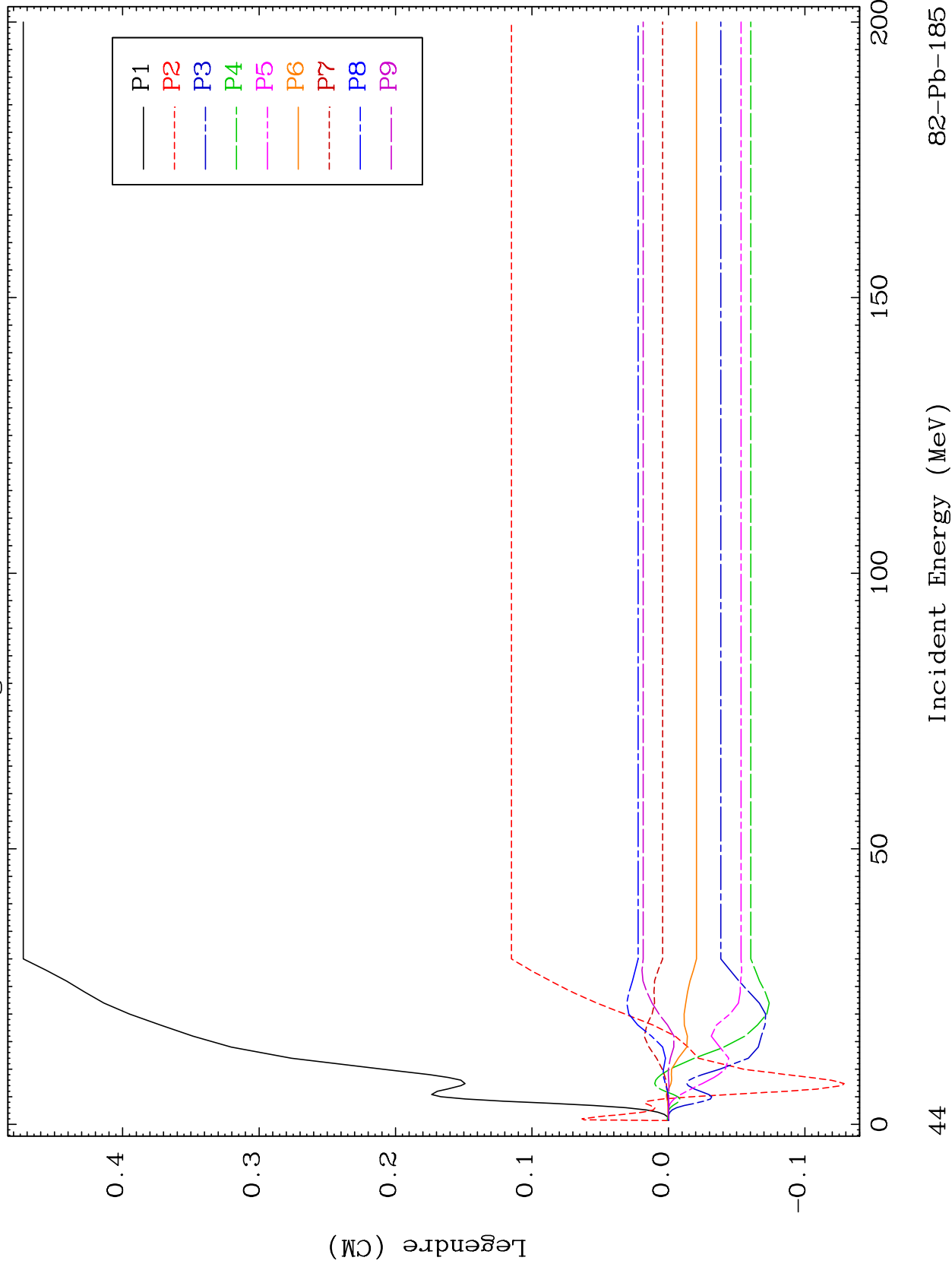
Incident Energy (MeV)

82-Pb-185

MAT 8168

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

82-Pb-185



82-Pb-185

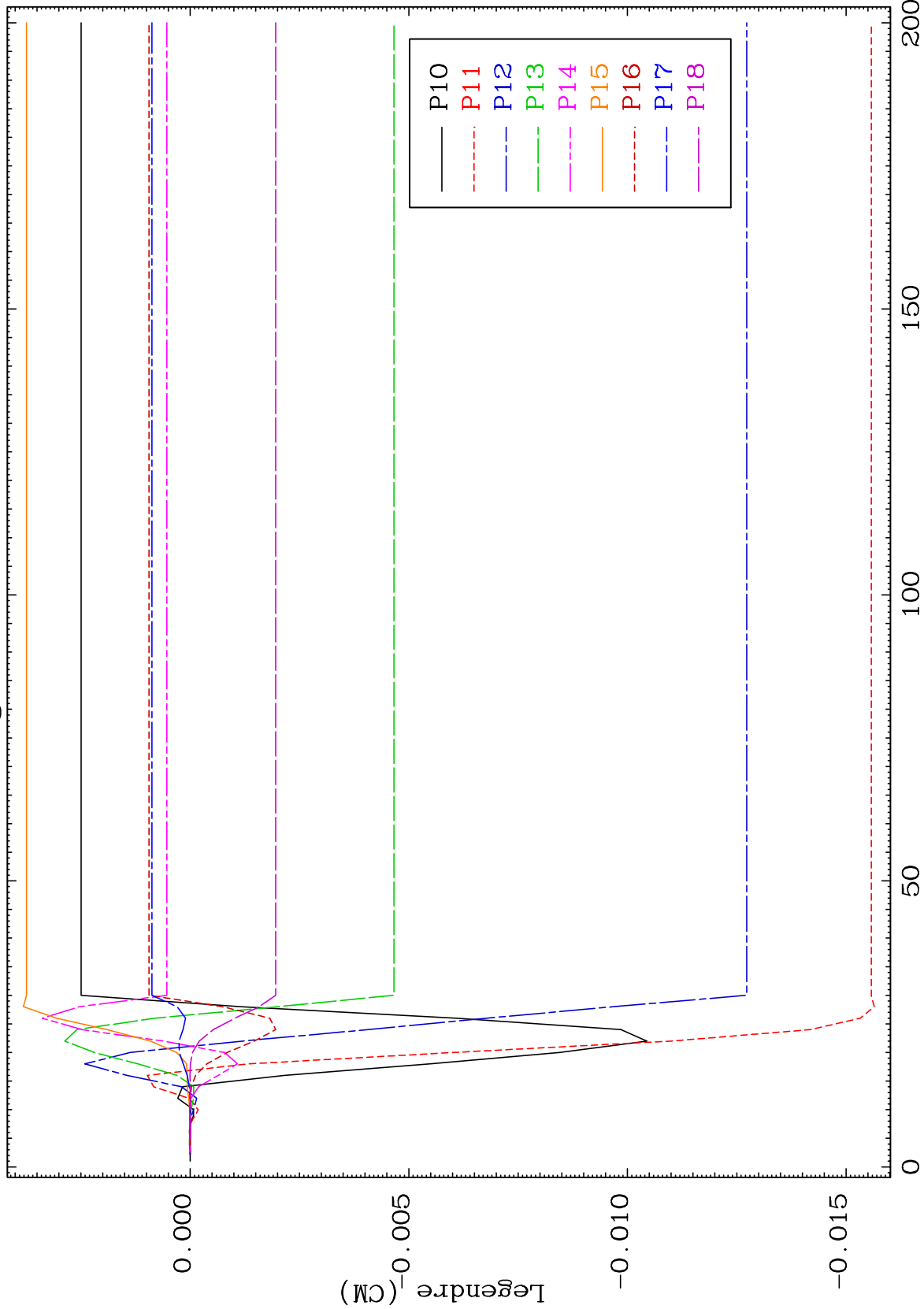
Incident Energy (MeV)

44

MAT 8168

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

82-Pb-185



45

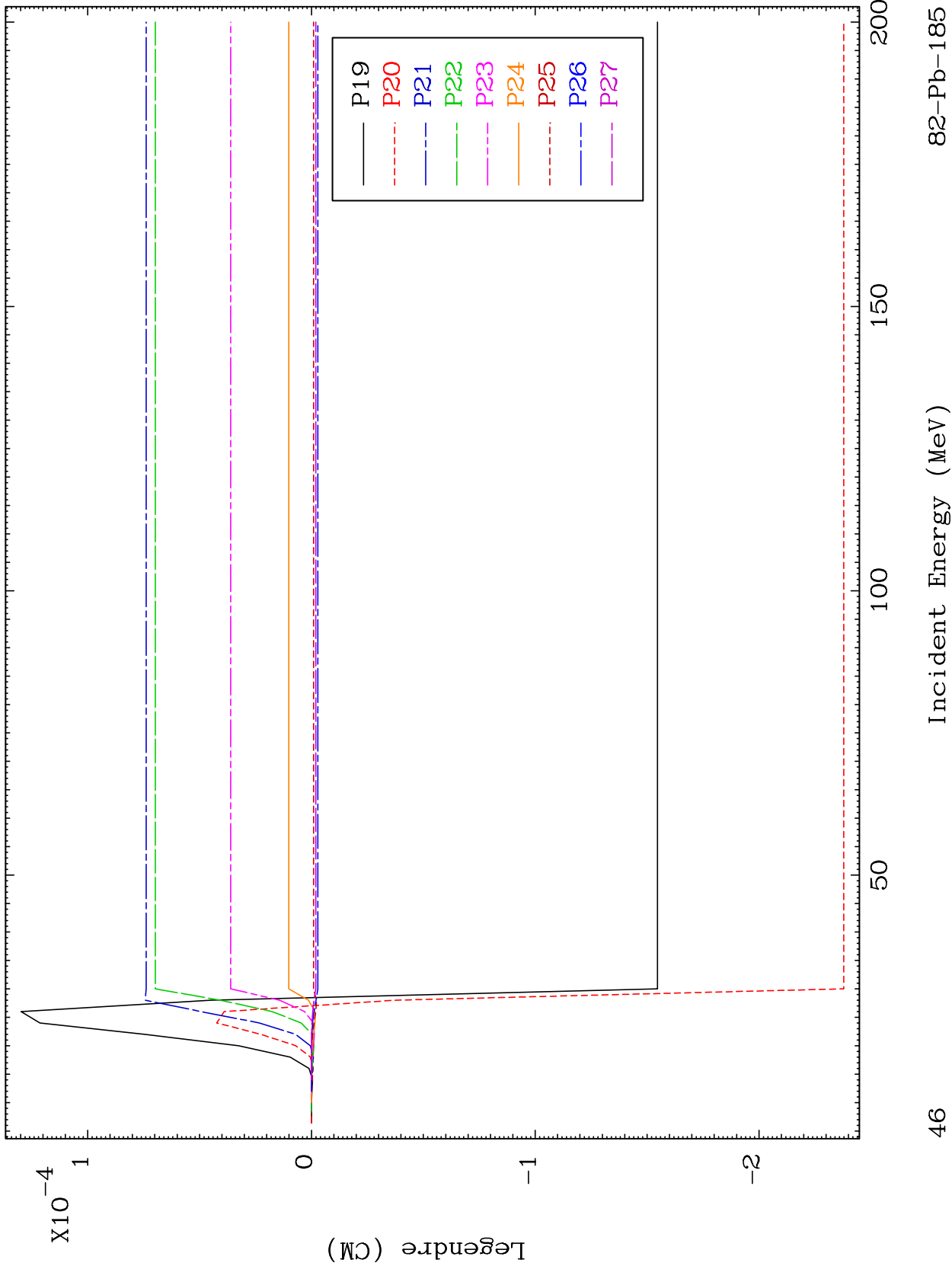
Incident Energy (MeV)

82-Pb-185

MAT 8168

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

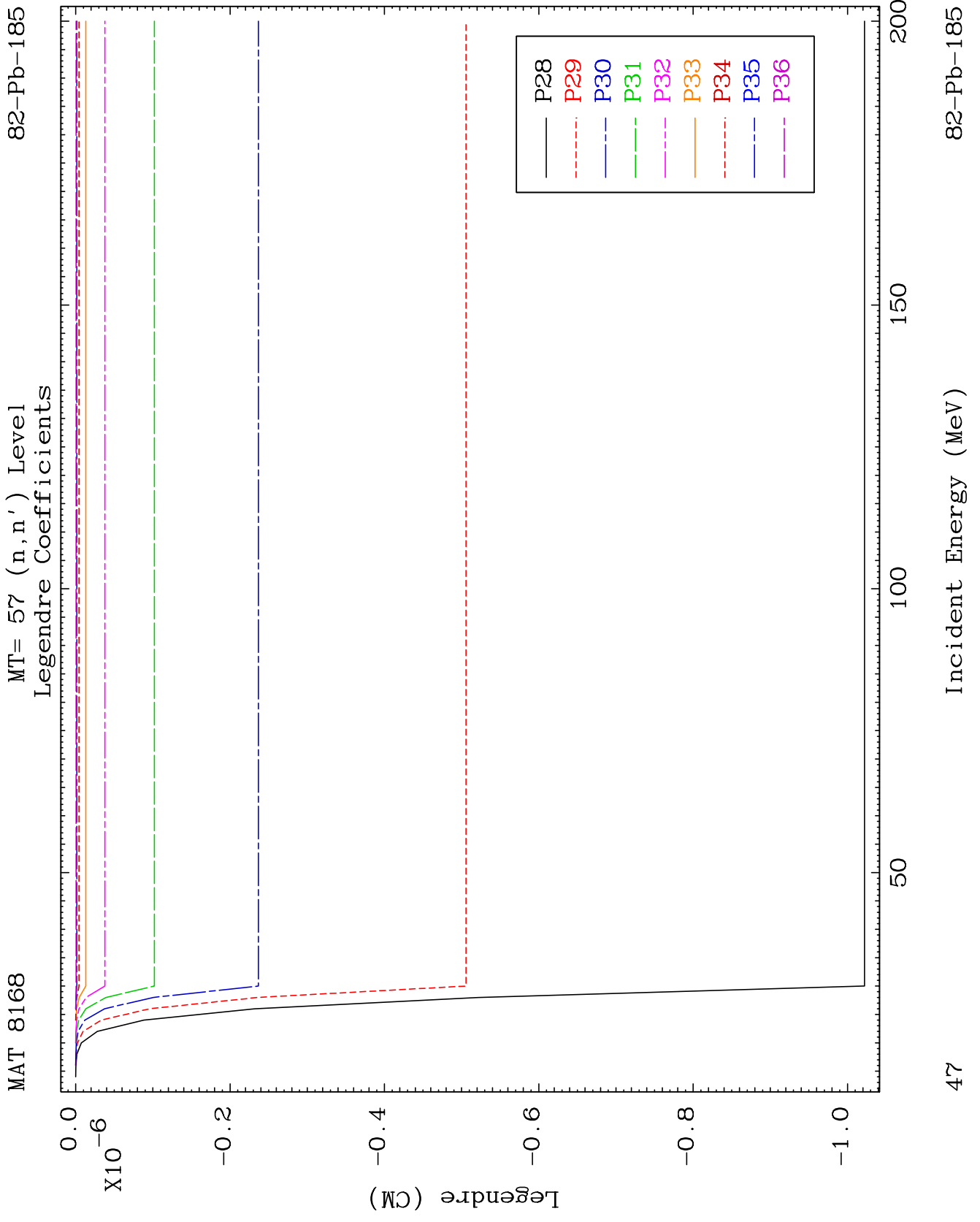
82-Pb-185



46

Incident Energy (MeV)

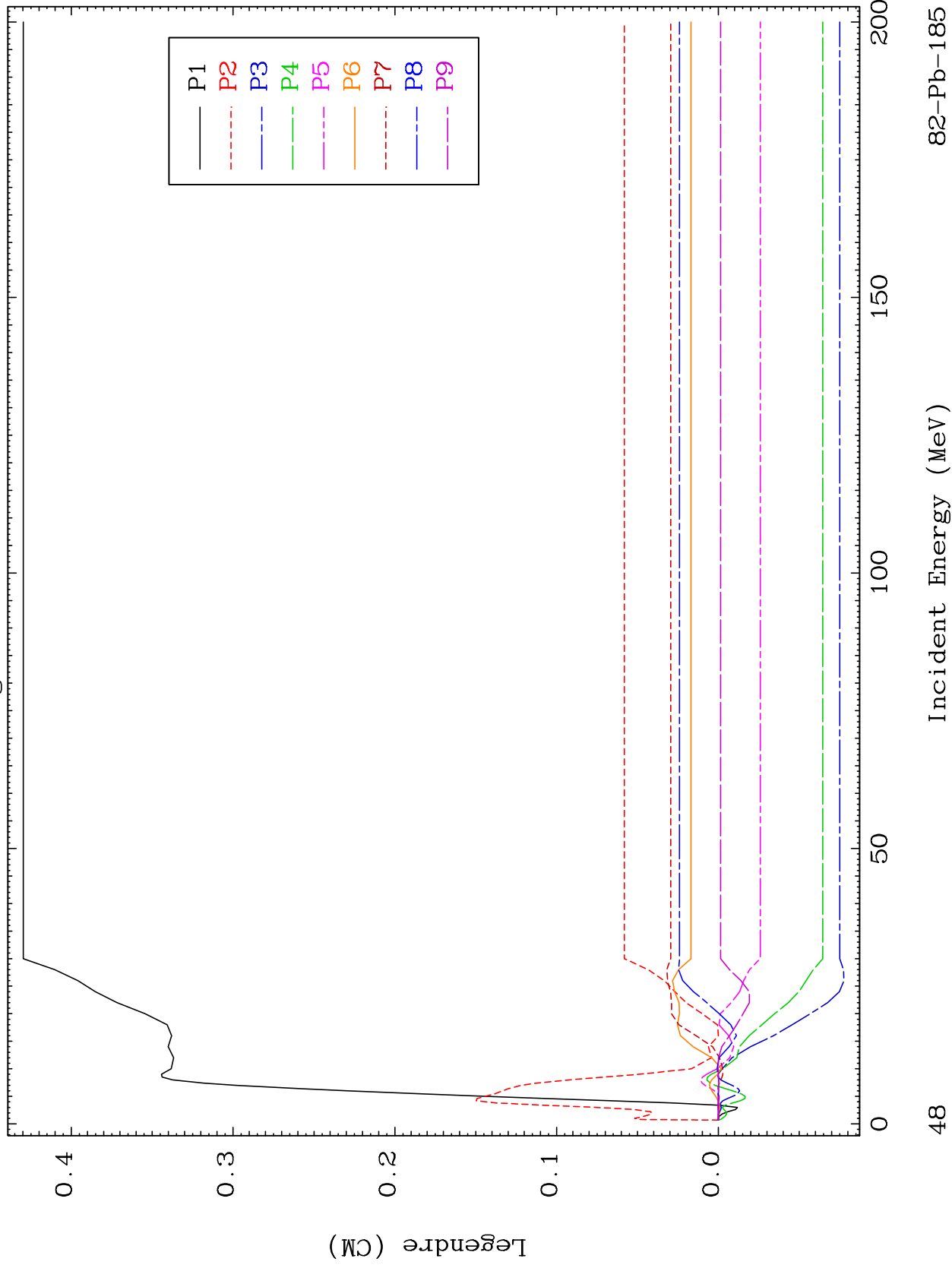
82-Pb-185



MAT 8168

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

82-Pb-185



82-Pb-185

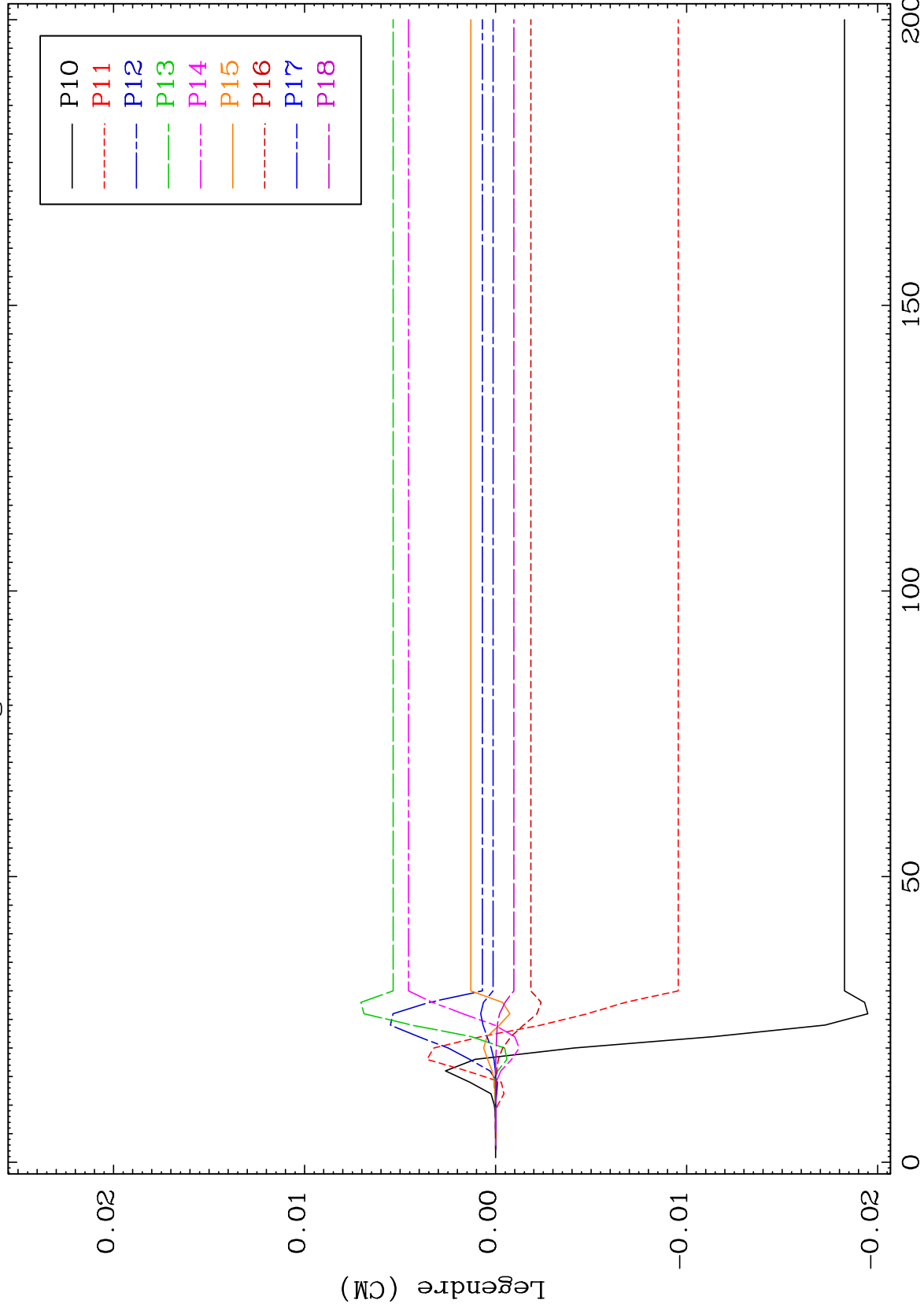
Incident Energy (MeV)

48

MAT 8168

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

82-Pb-185



49

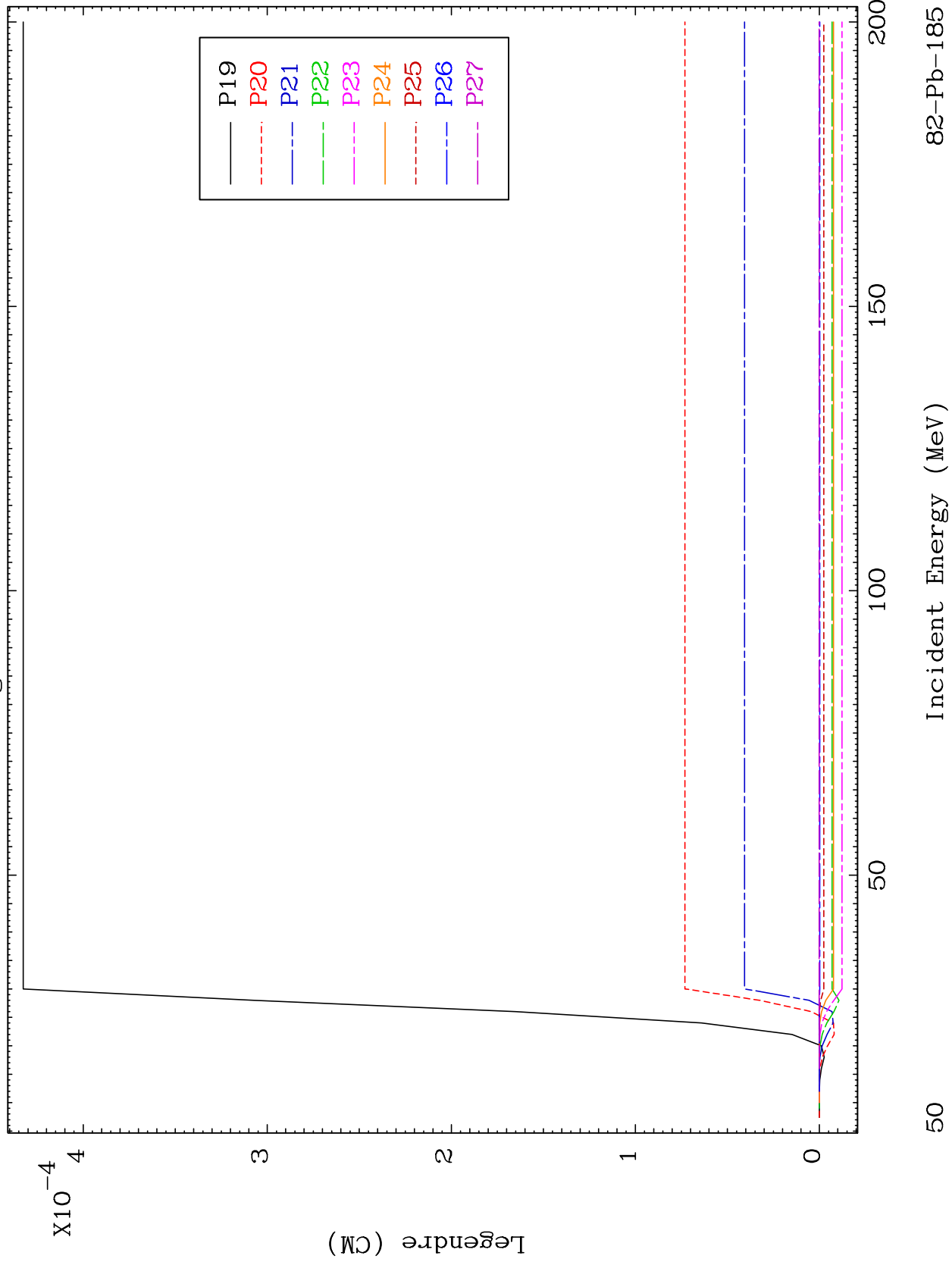
Incident Energy (MeV)

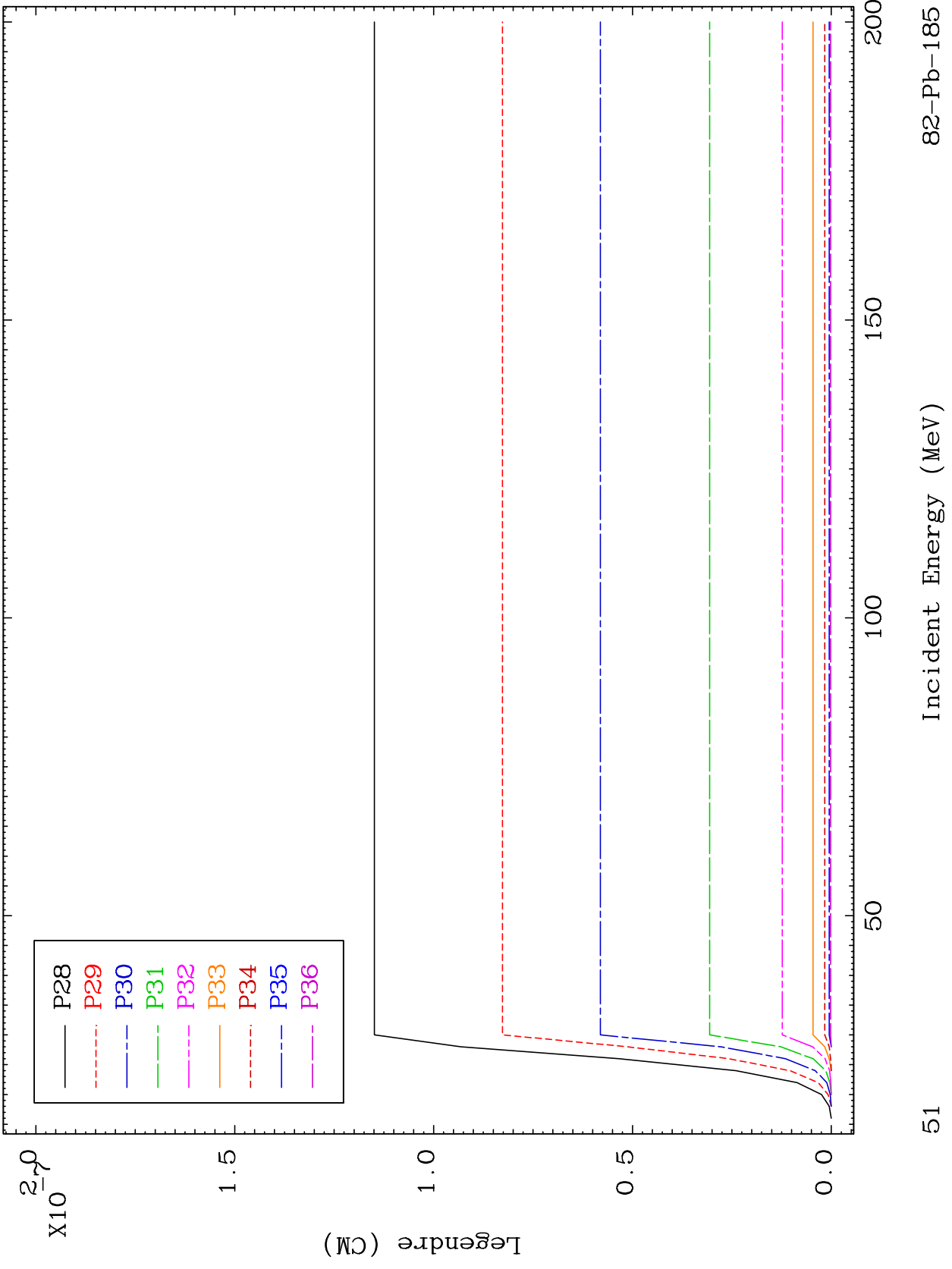
82-Pb-185

MAT 8168

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

82-Pb-185

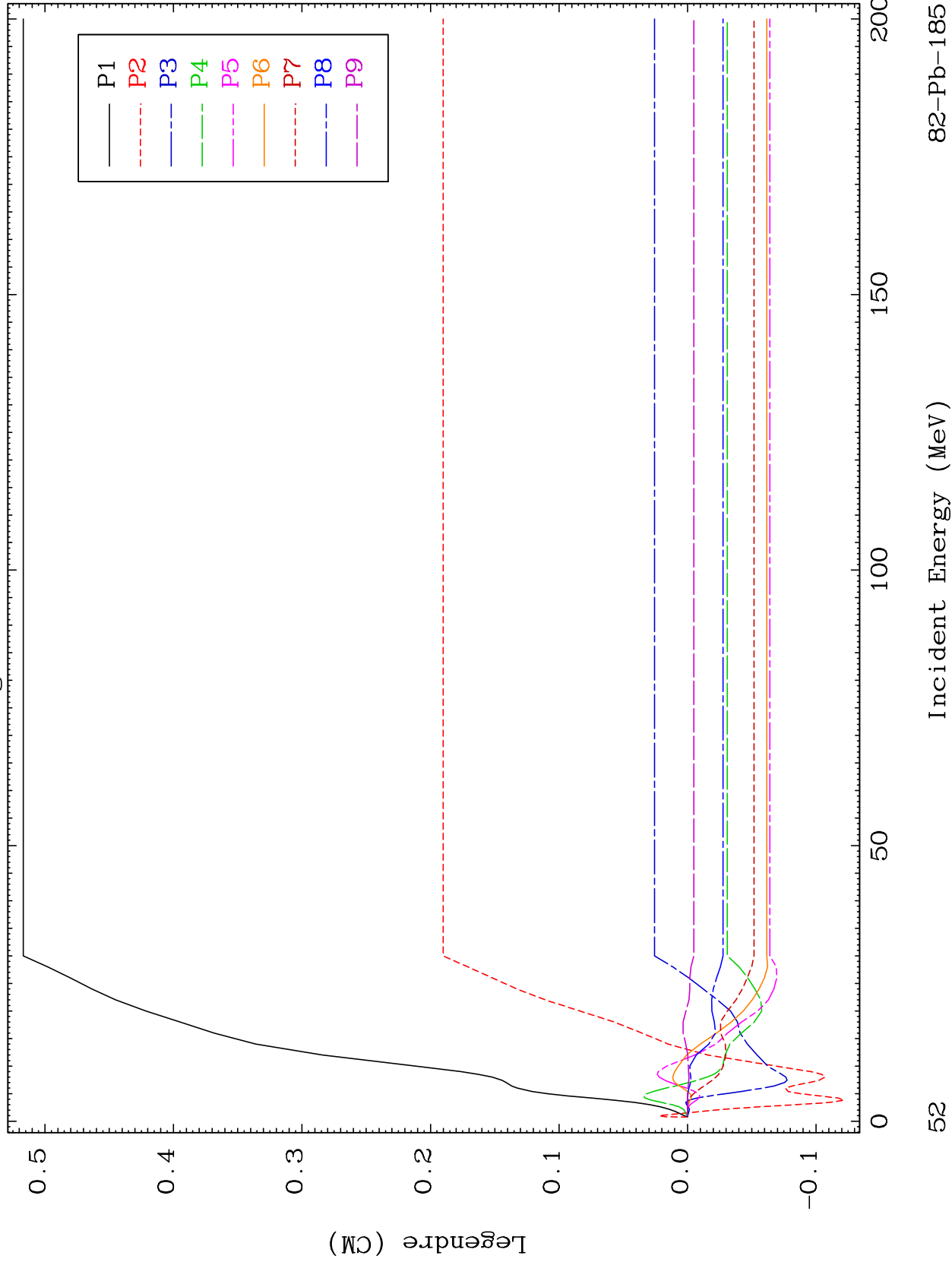




MAT 8168

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

82-Pb-185



82-Pb-185

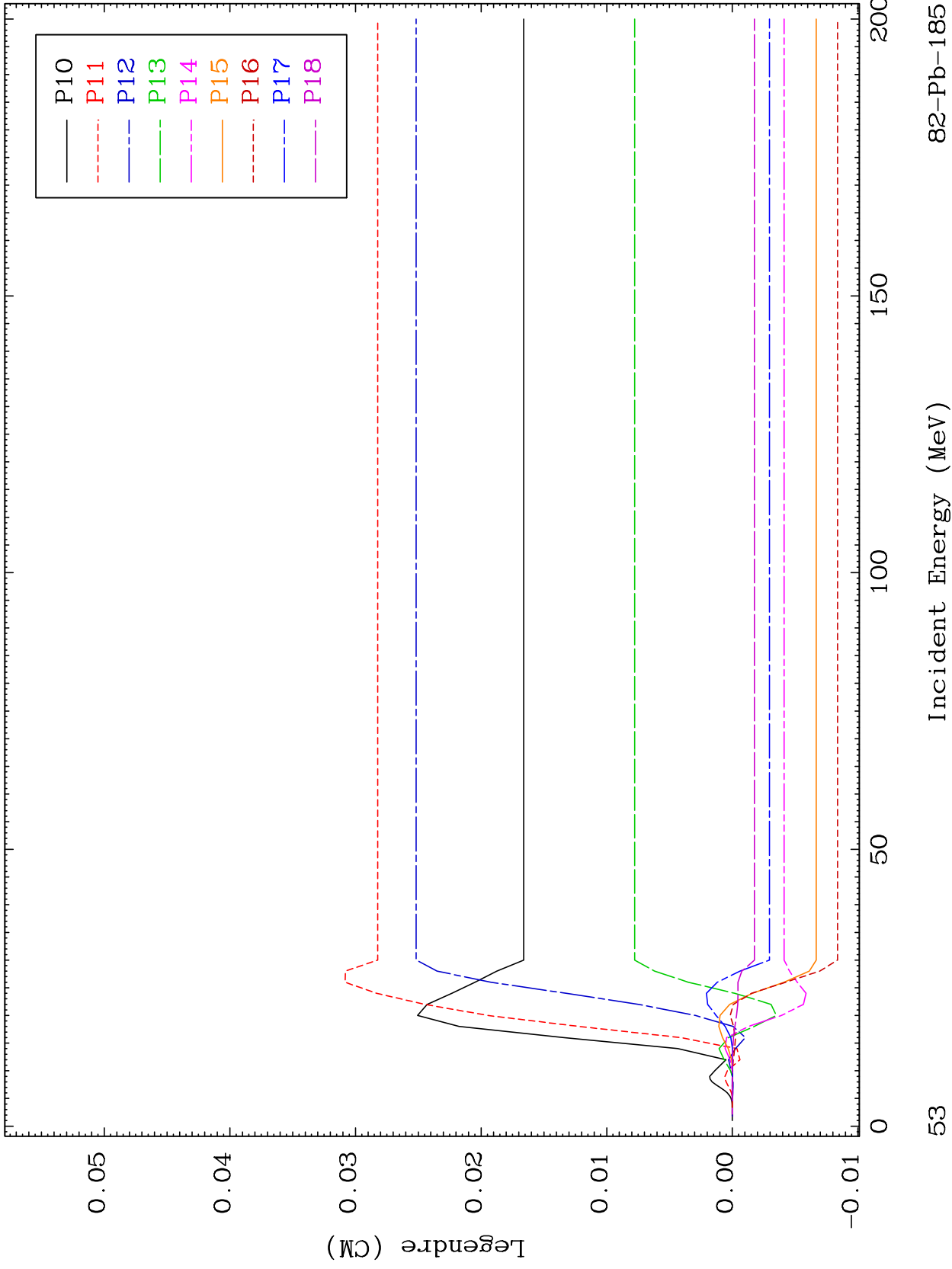
Incident Energy (MeV)

52

MAT 8168

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

82-Pb-185



53

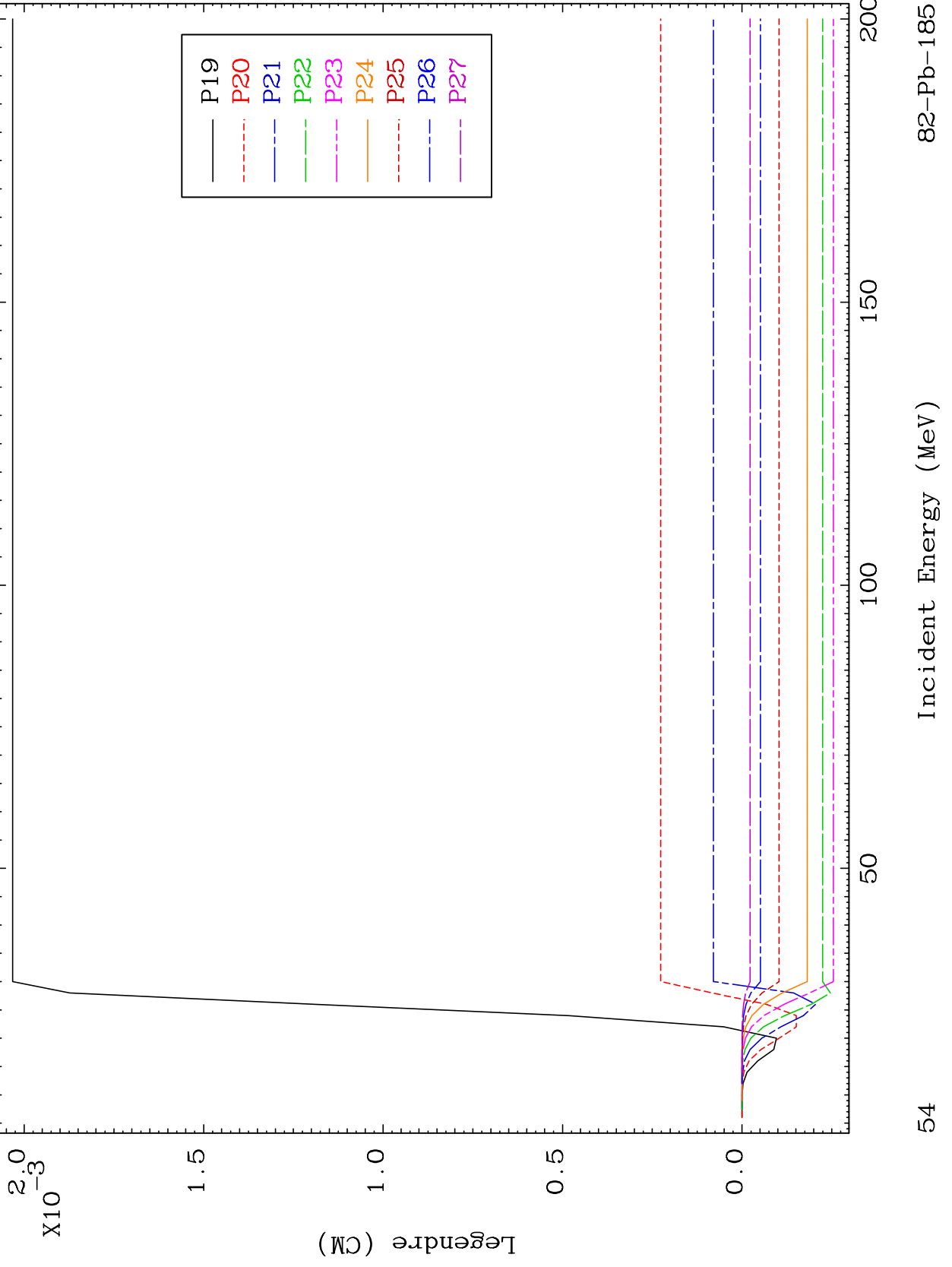
Incident Energy (MeV)

82-Pb-185

MAT 8168

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

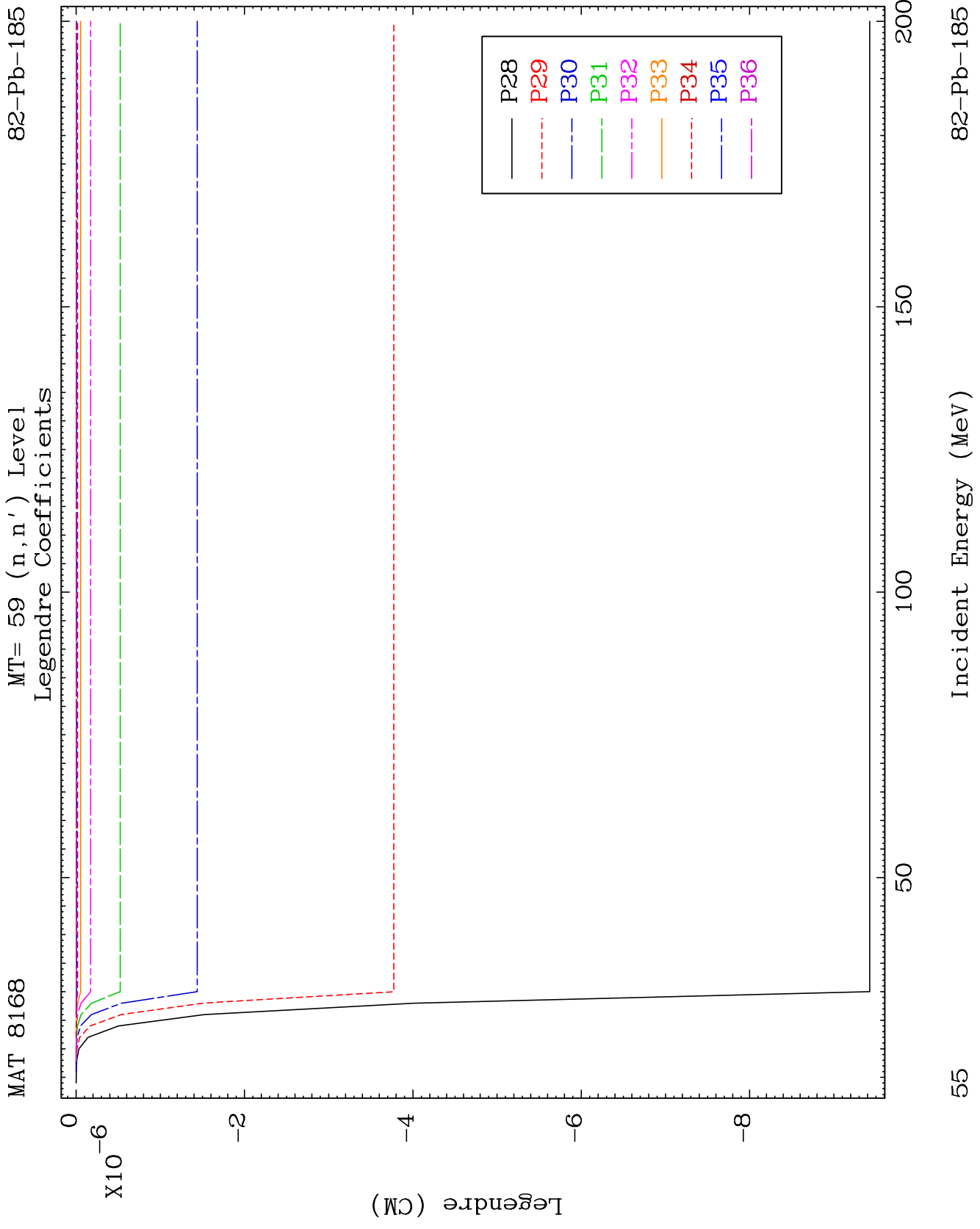
82-Pb-185



54

Incident Energy (MeV)

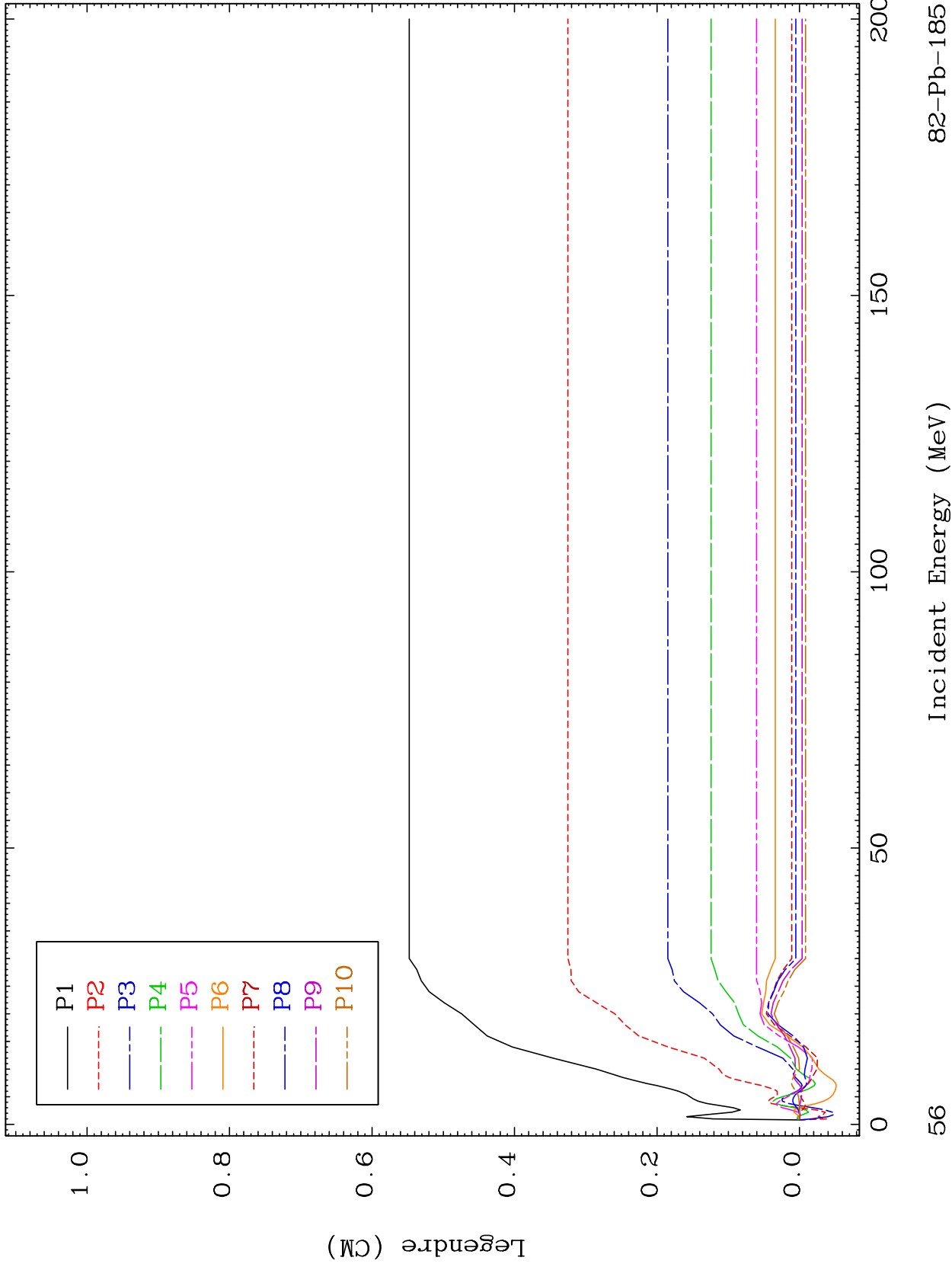
82-Pb-185



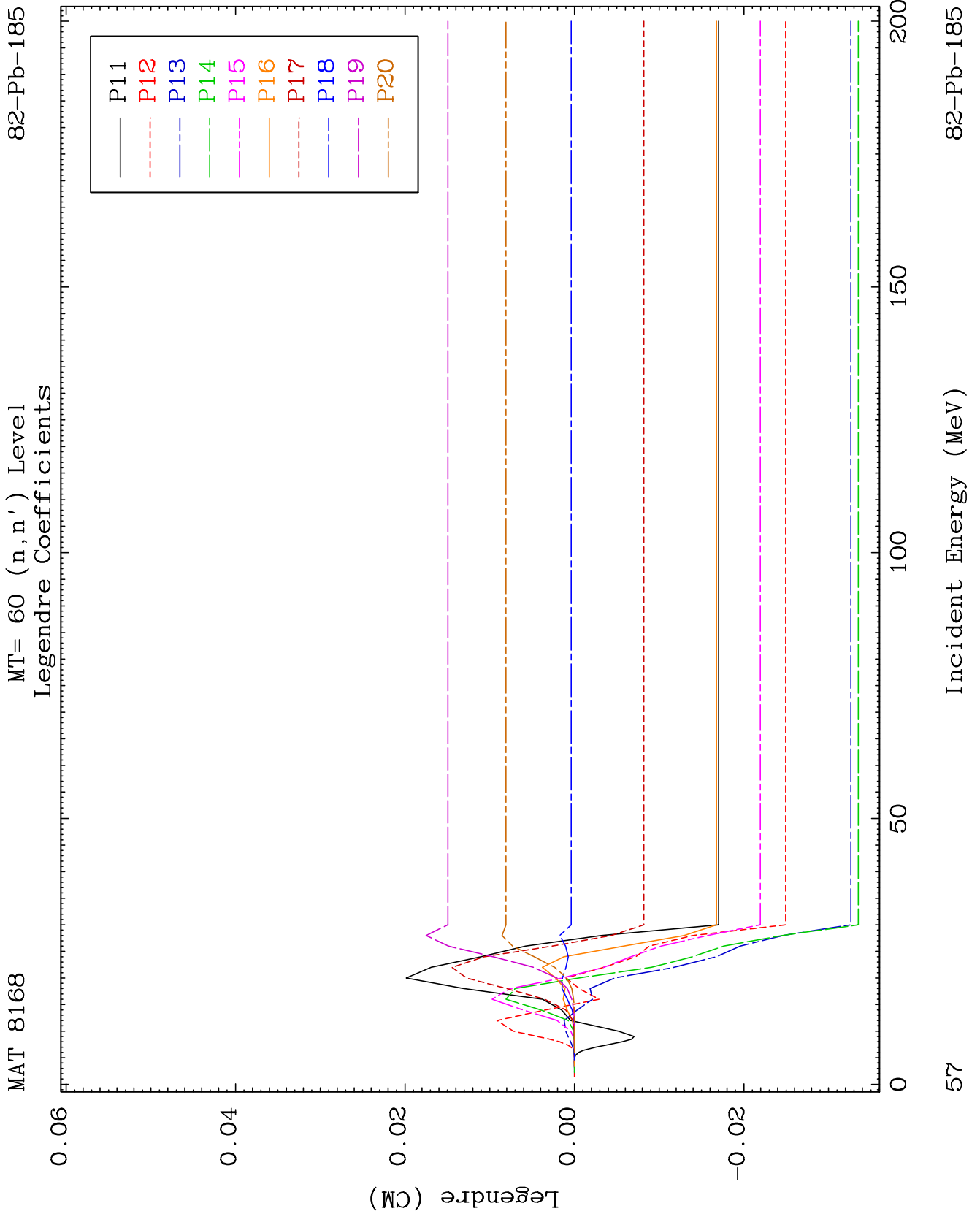
MAT 8168

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

82-Pb-185



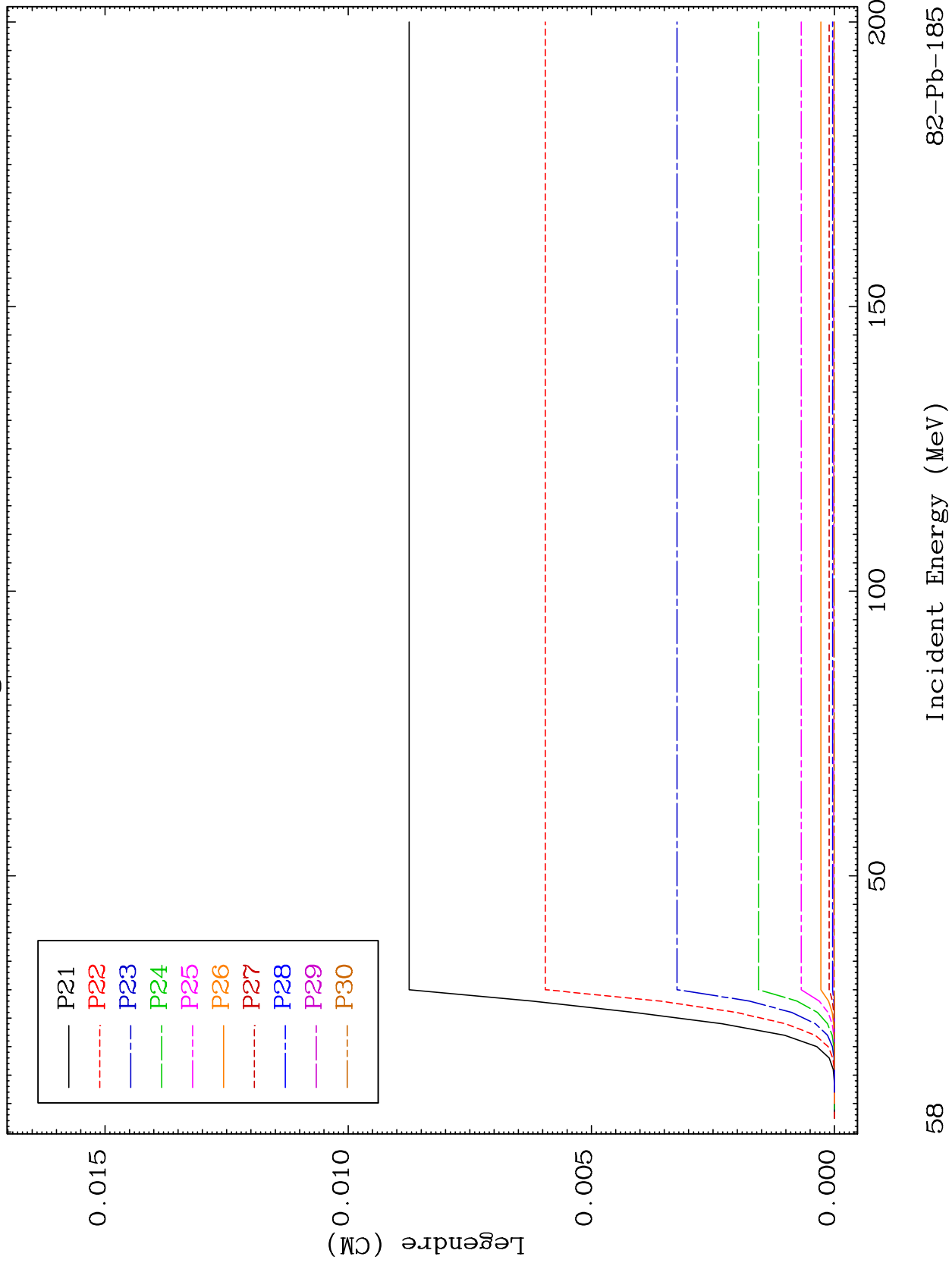
56



MAT 8168

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

82-Pb-185



58

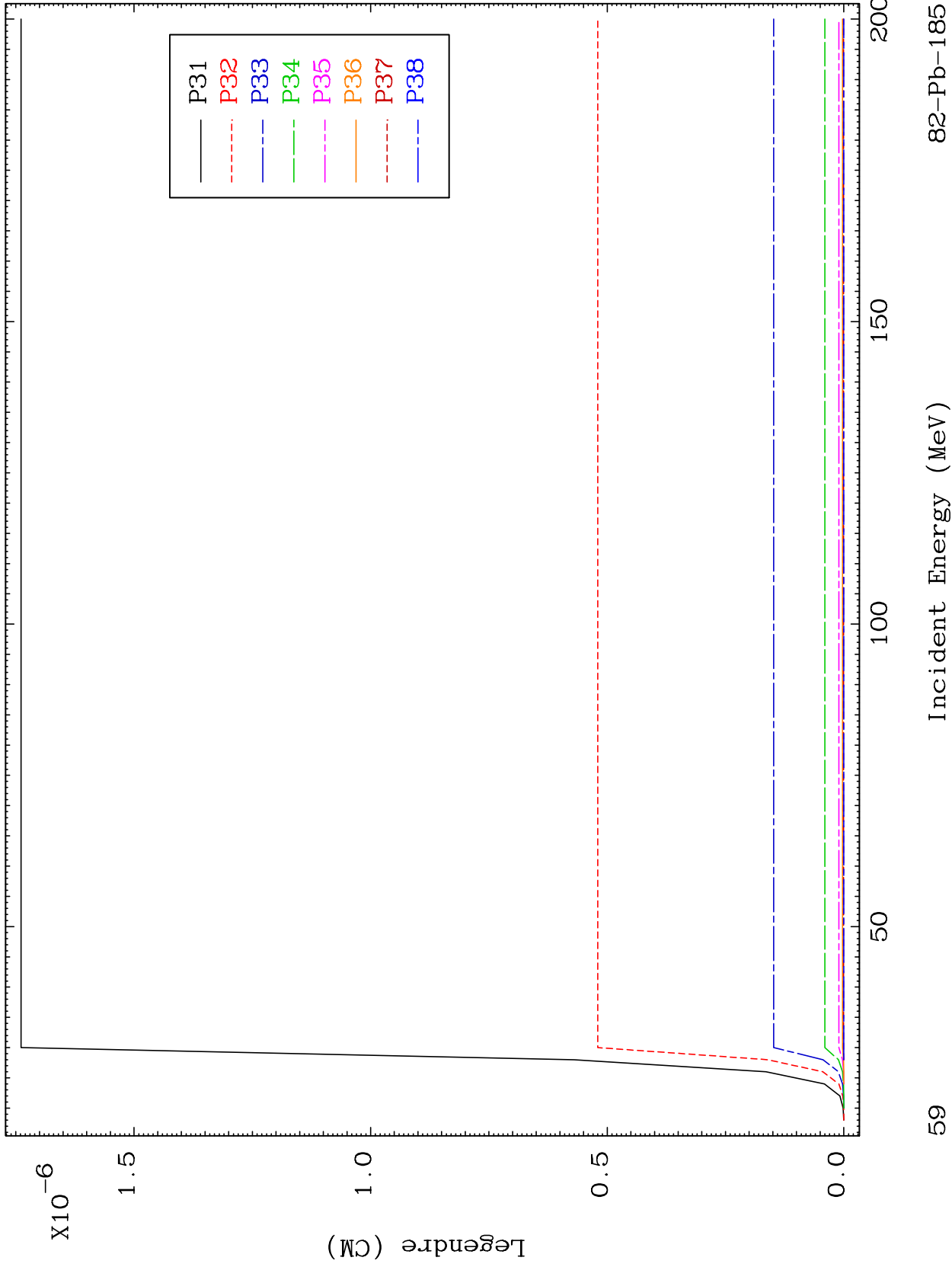
Incident Energy (MeV)

82-Pb-185

MAT 8168

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

82-Pb-185



59

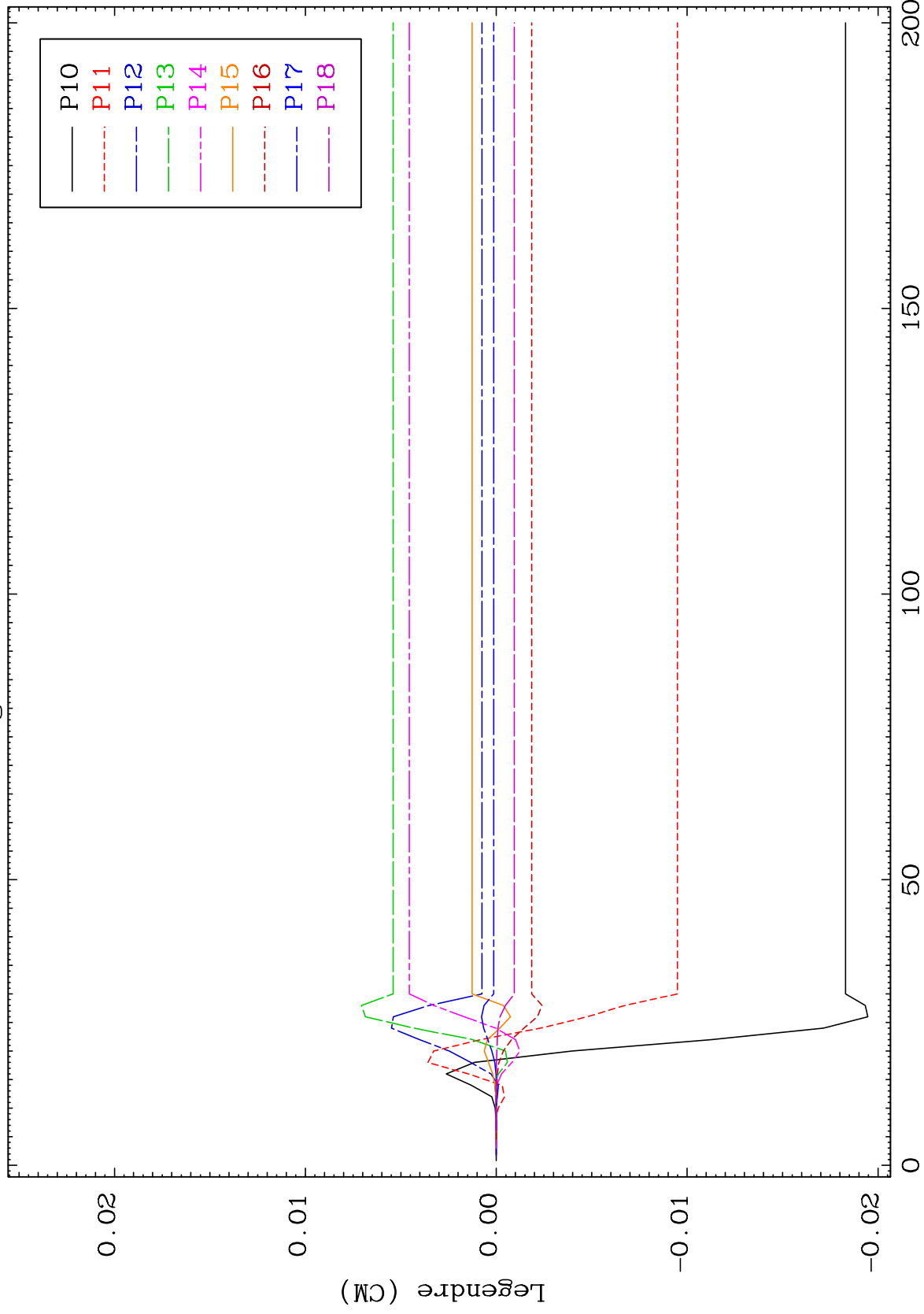
Incident Energy (MeV)

82-Pb-185

MAT 8168

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

82-Pb-185



61

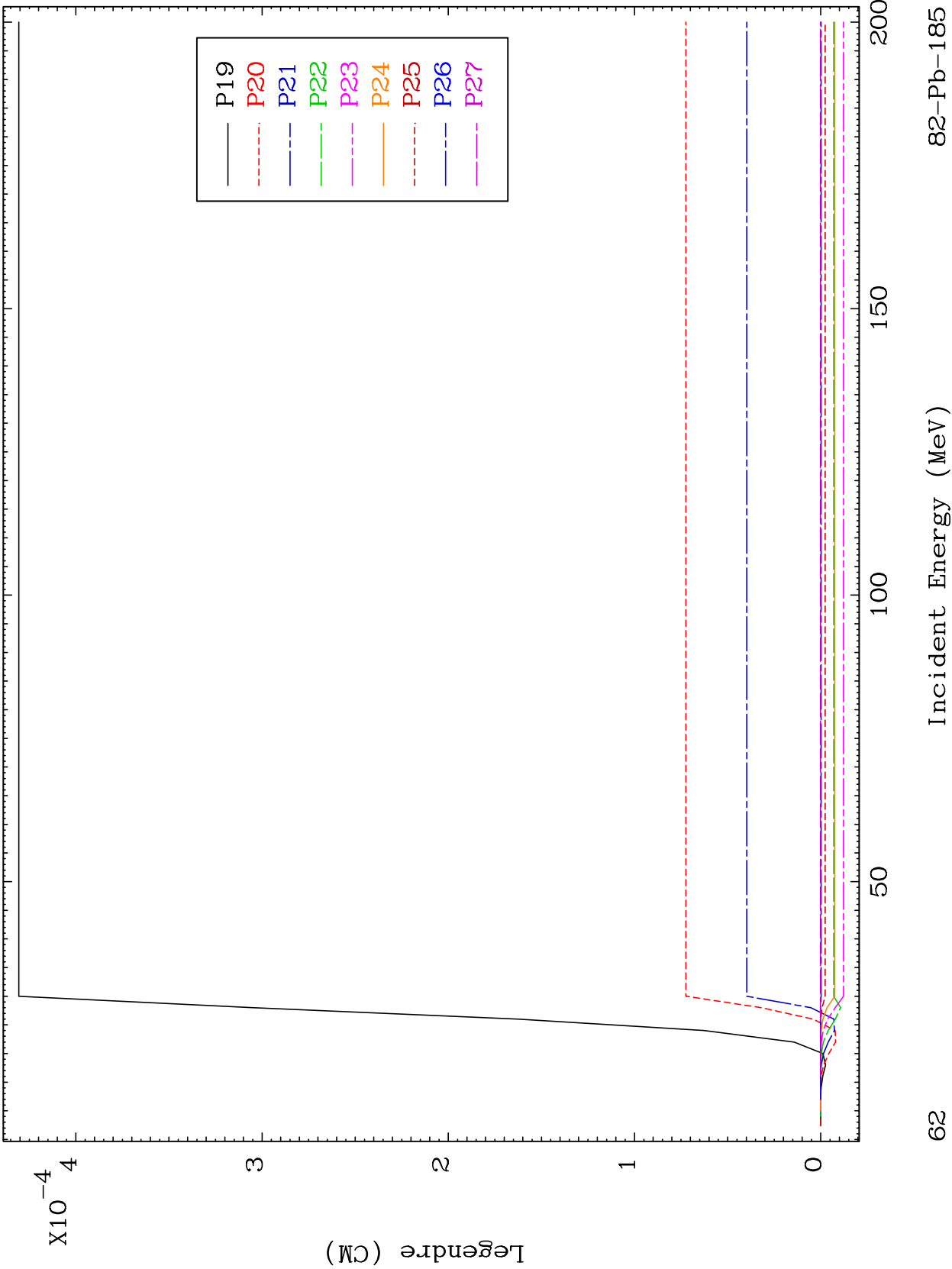
Incident Energy (MeV)

82-Pb-185

MAT 8168

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

82-Pb-185



62

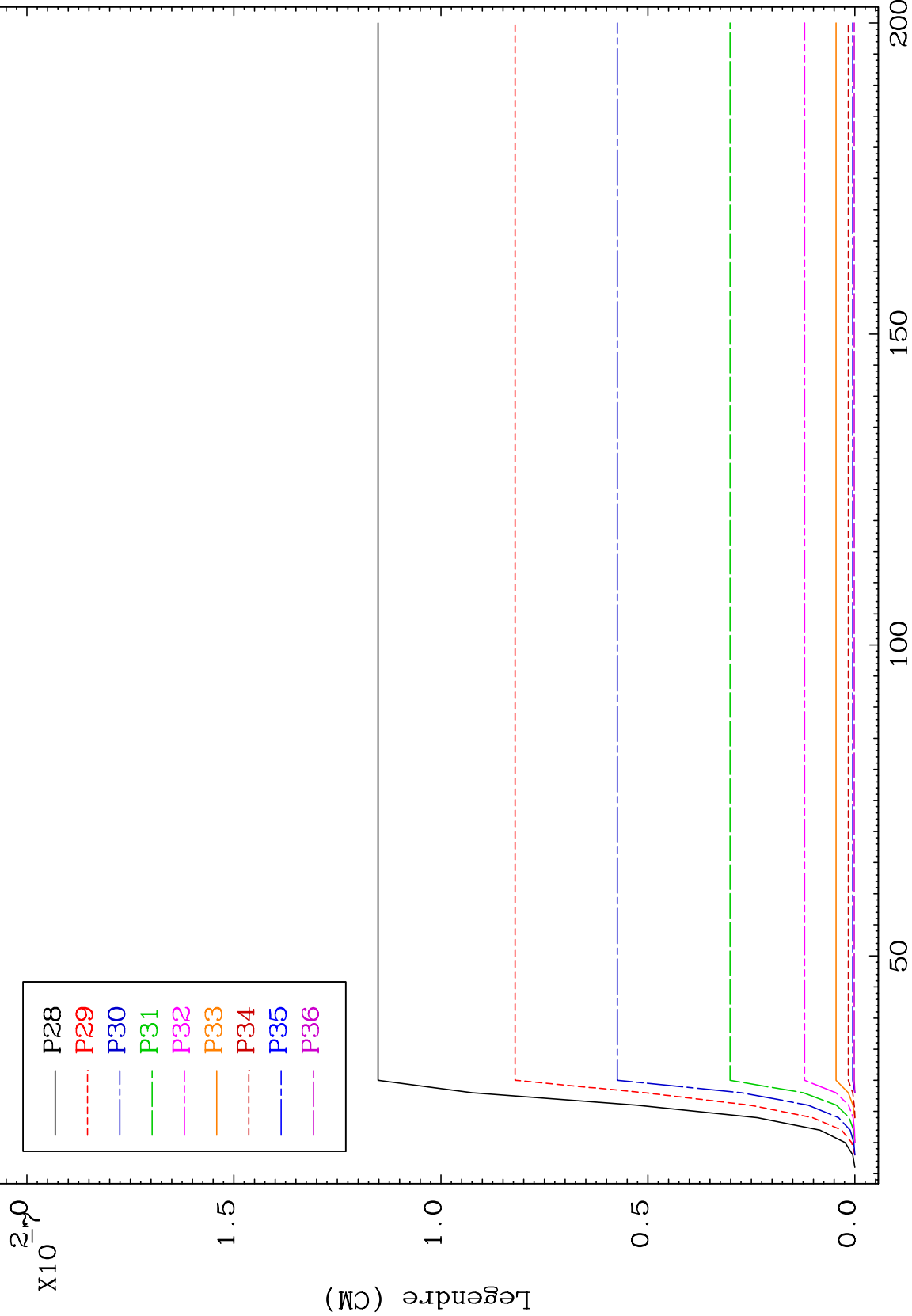
Incident Energy (MeV)

82-Pb-185

MAT 81688

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

82-Pb-185



63

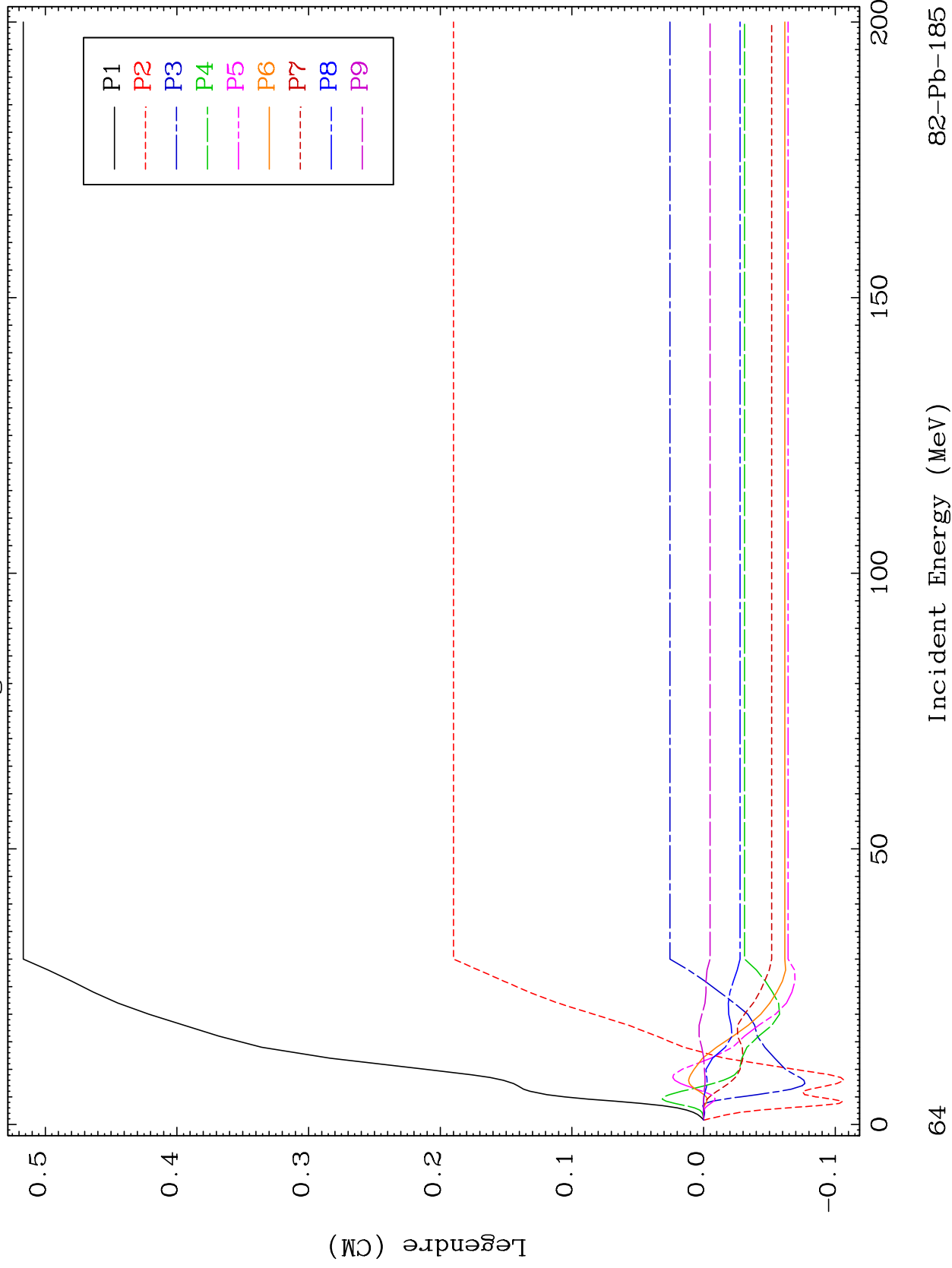
Incident Energy (MeV)

82-Pb-185

MAT 8168

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

82-Pb-185



82-Pb-185

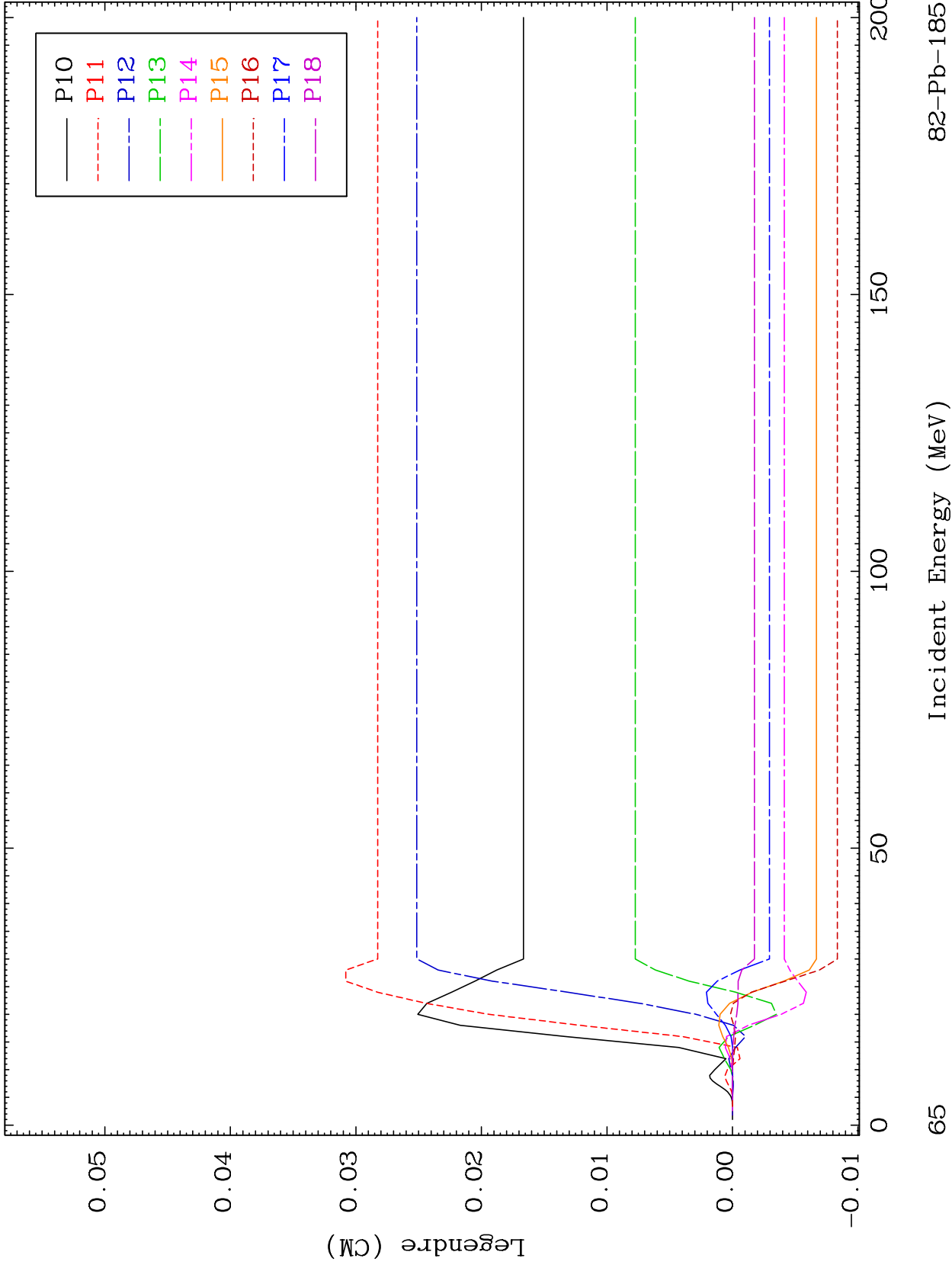
Incident Energy (MeV)

64

MAT 8168

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

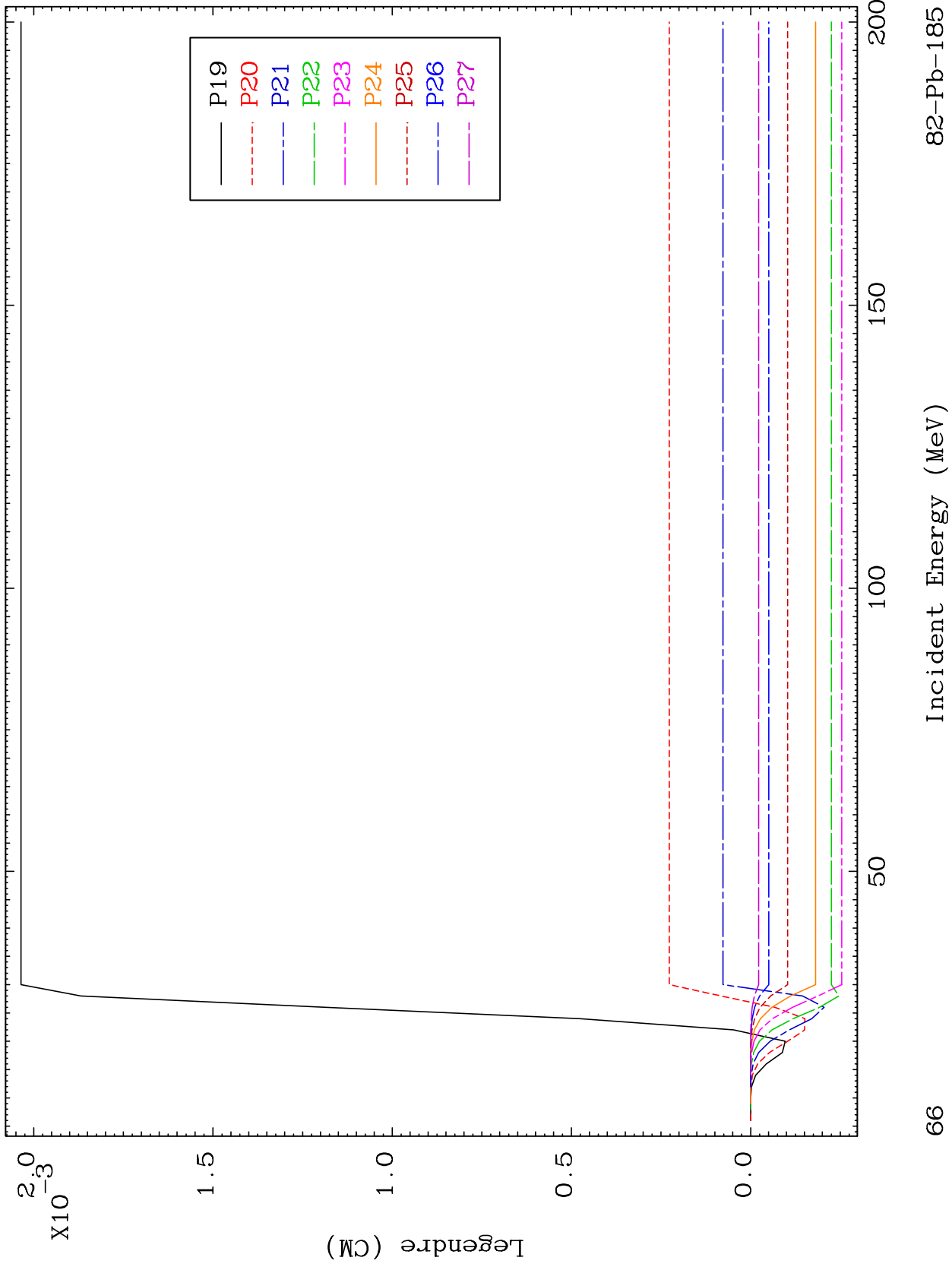
82-Pb-185



MAT 8168

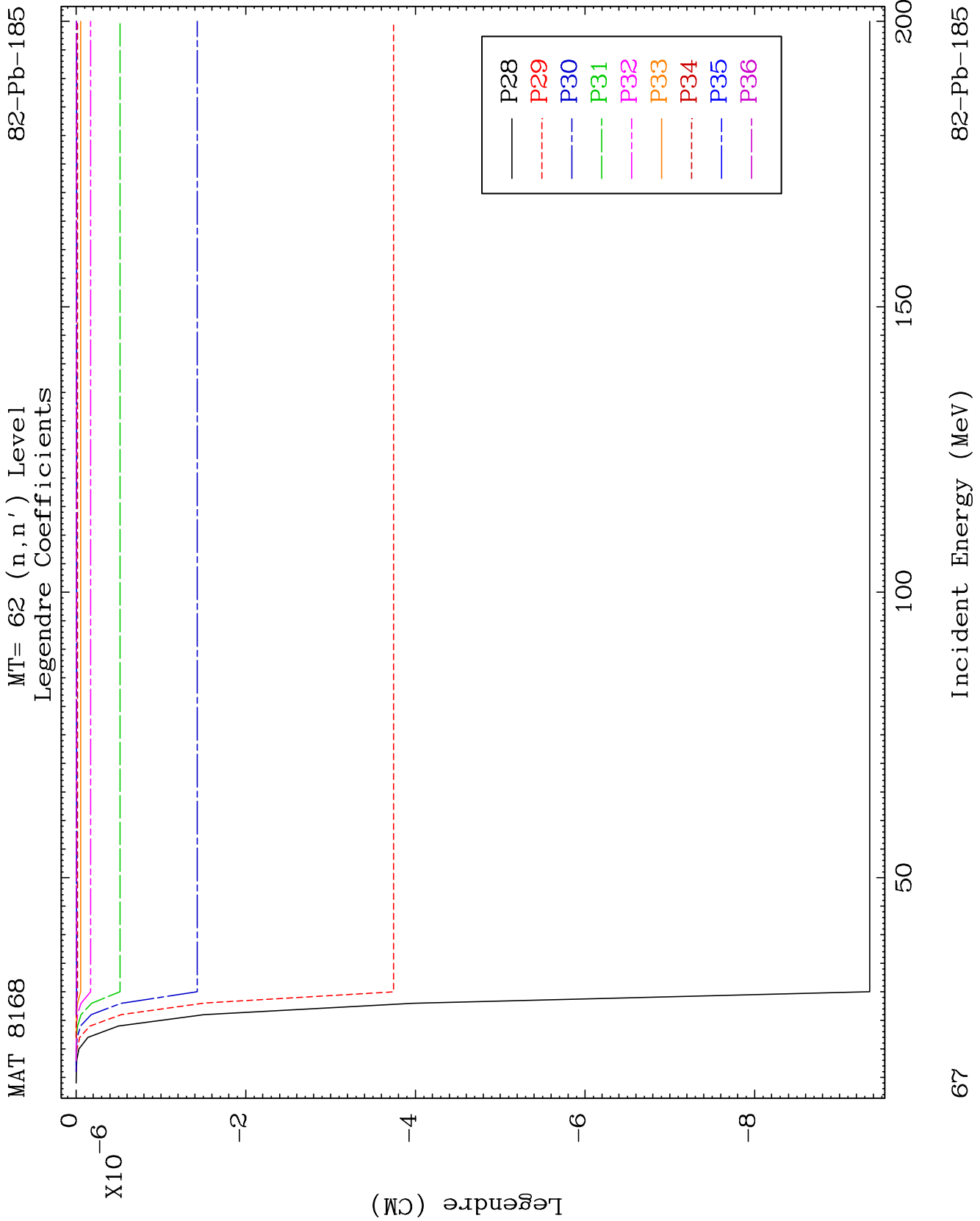
MT= 62 (n,n') Level
Legendre Coefficients

82-Pb-185



66

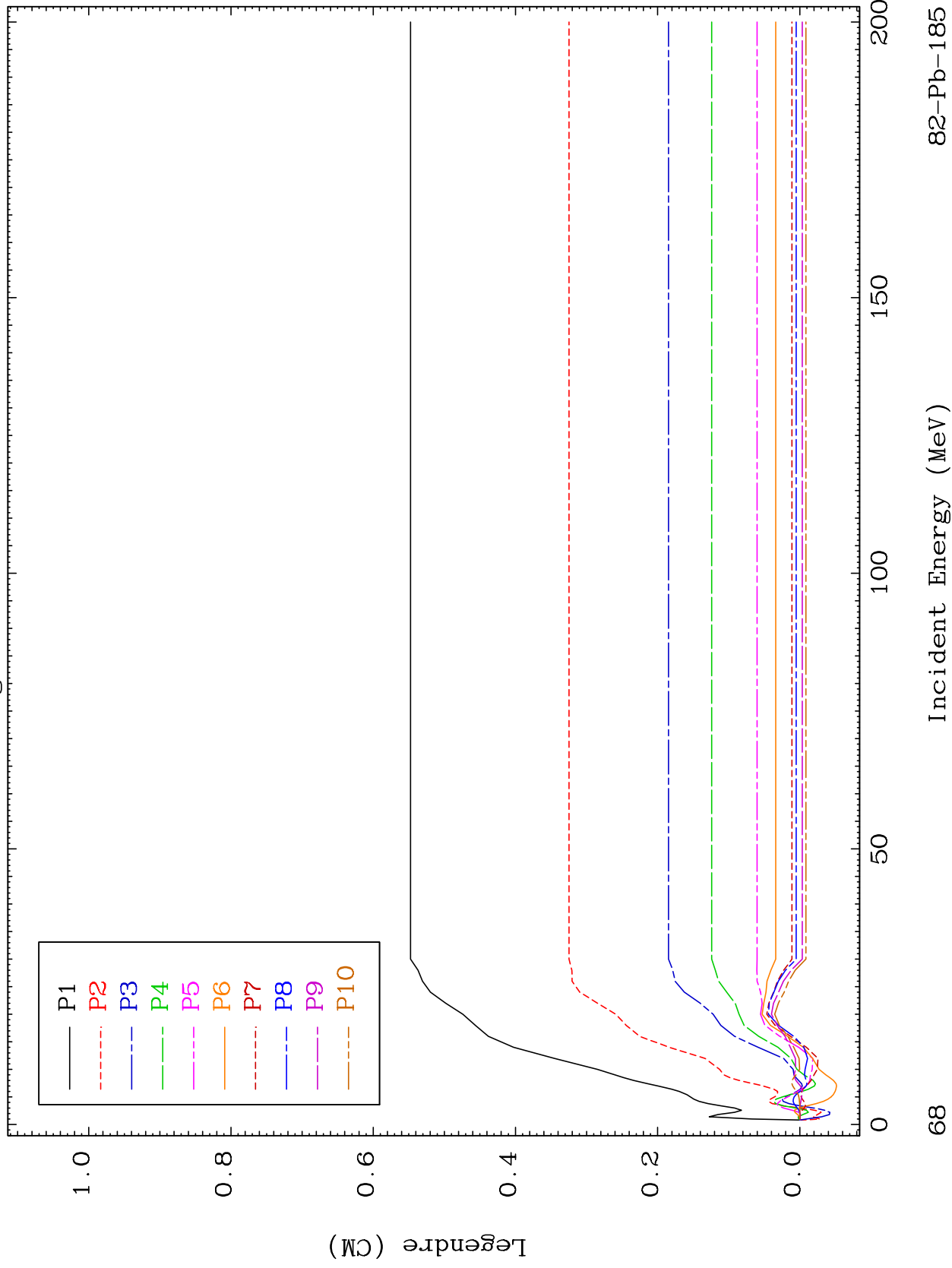
82-Pb-185



MAT 8168

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

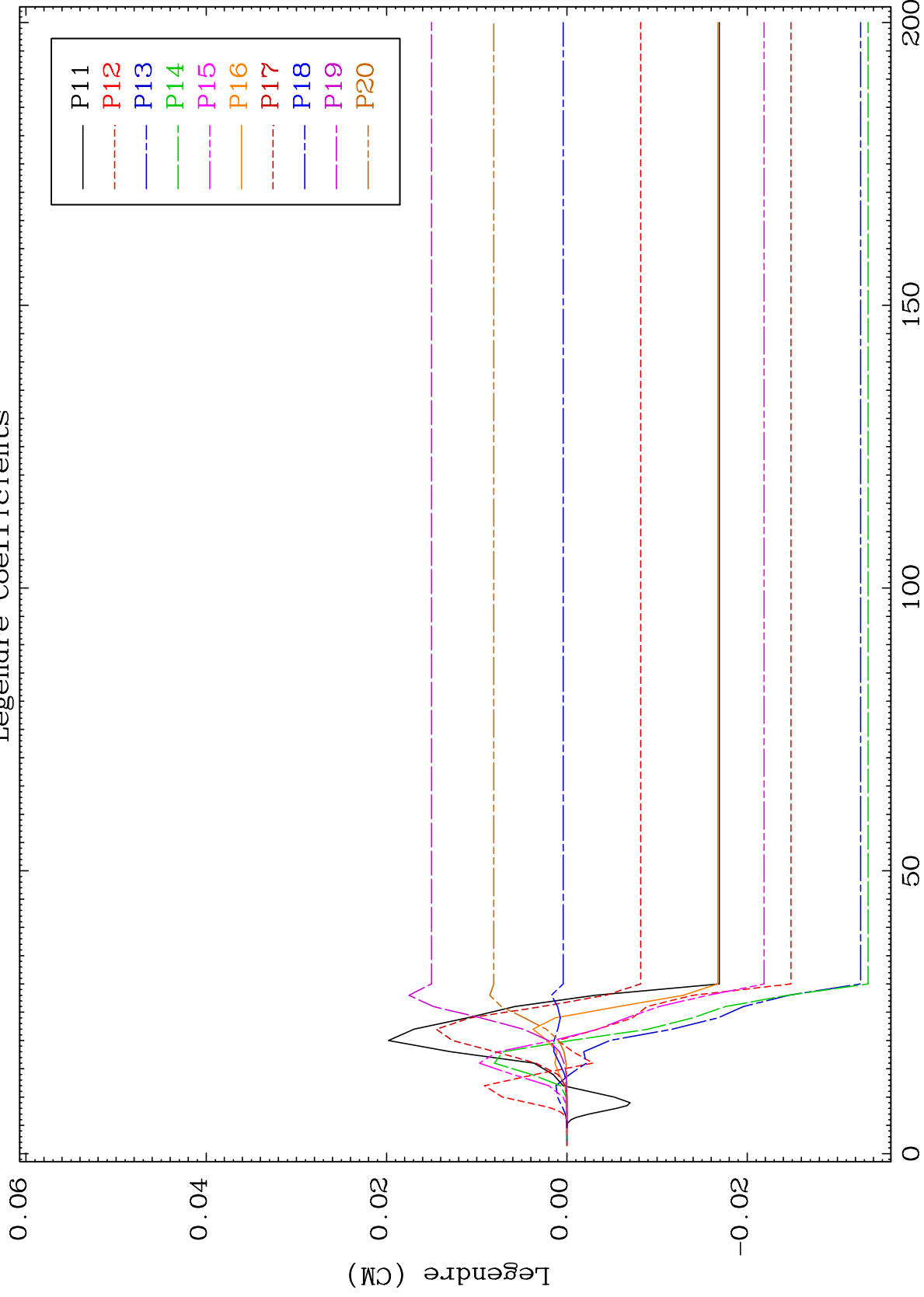
82-Pb-185



MAT 8168

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

82-Pb-185



69

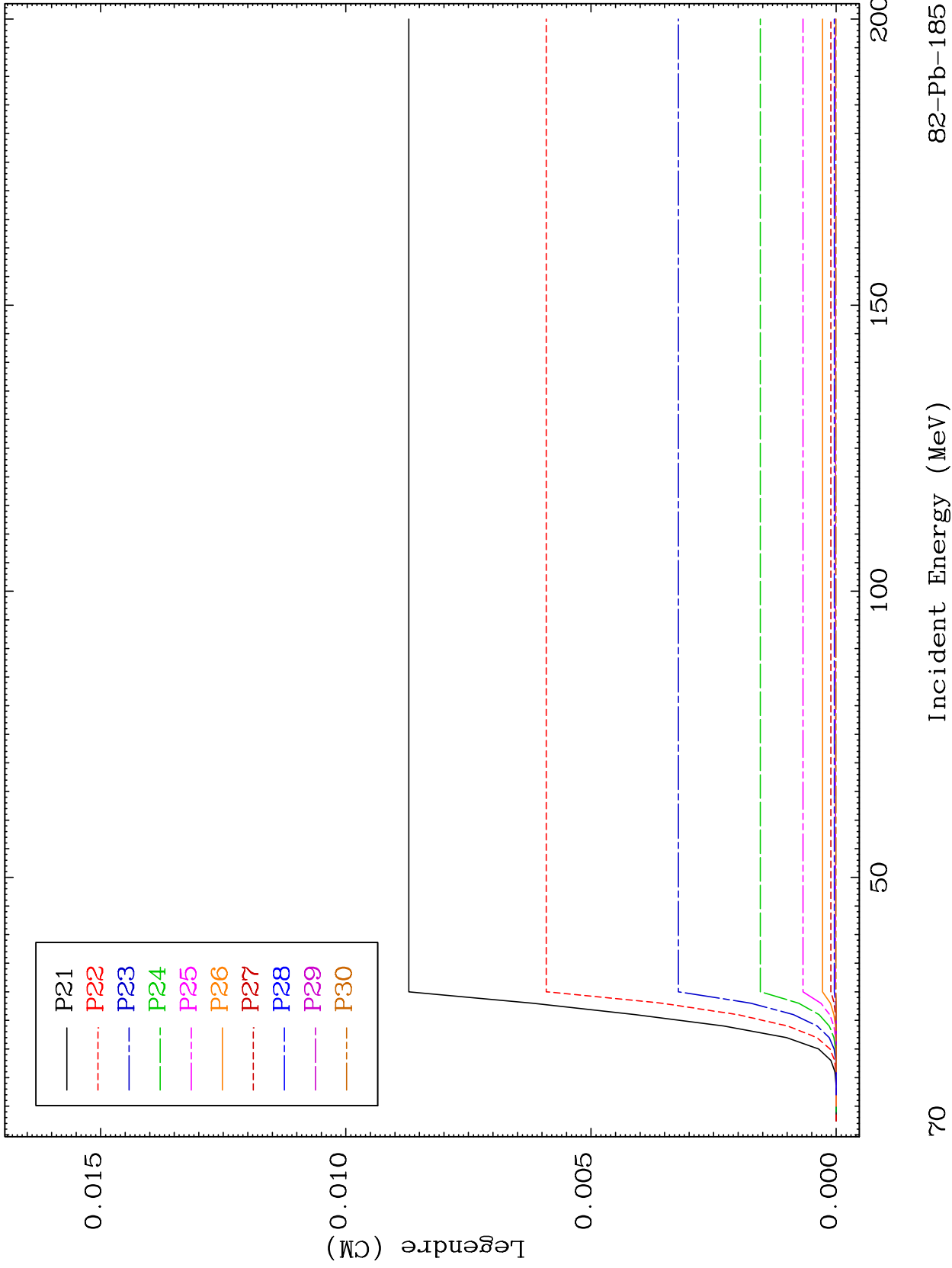
Incident Energy (MeV)

82-Pb-185

MAT 8168

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

82-Pb-185



70

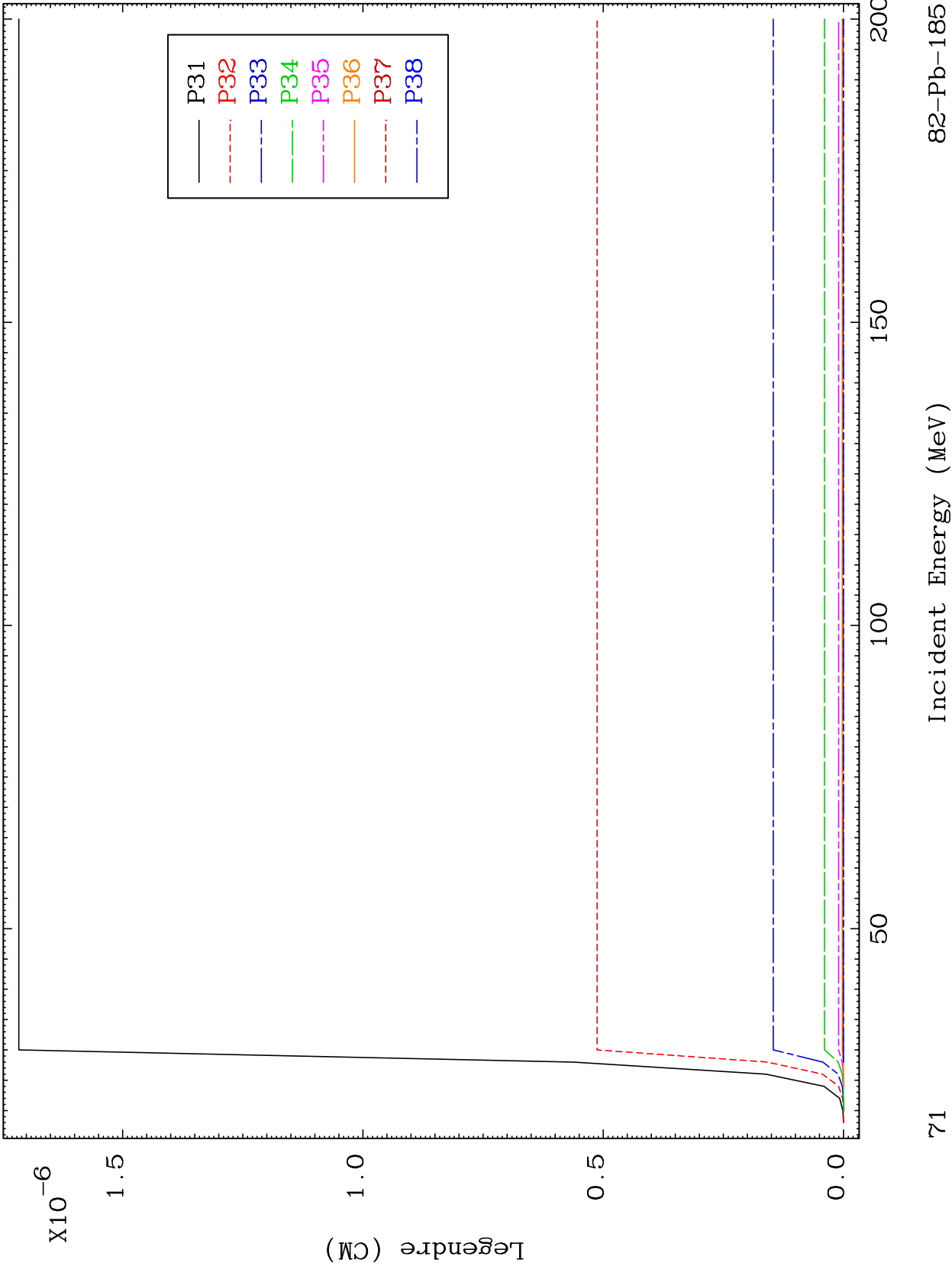
Incident Energy (MeV)

82-Pb-185

MAT 8168

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

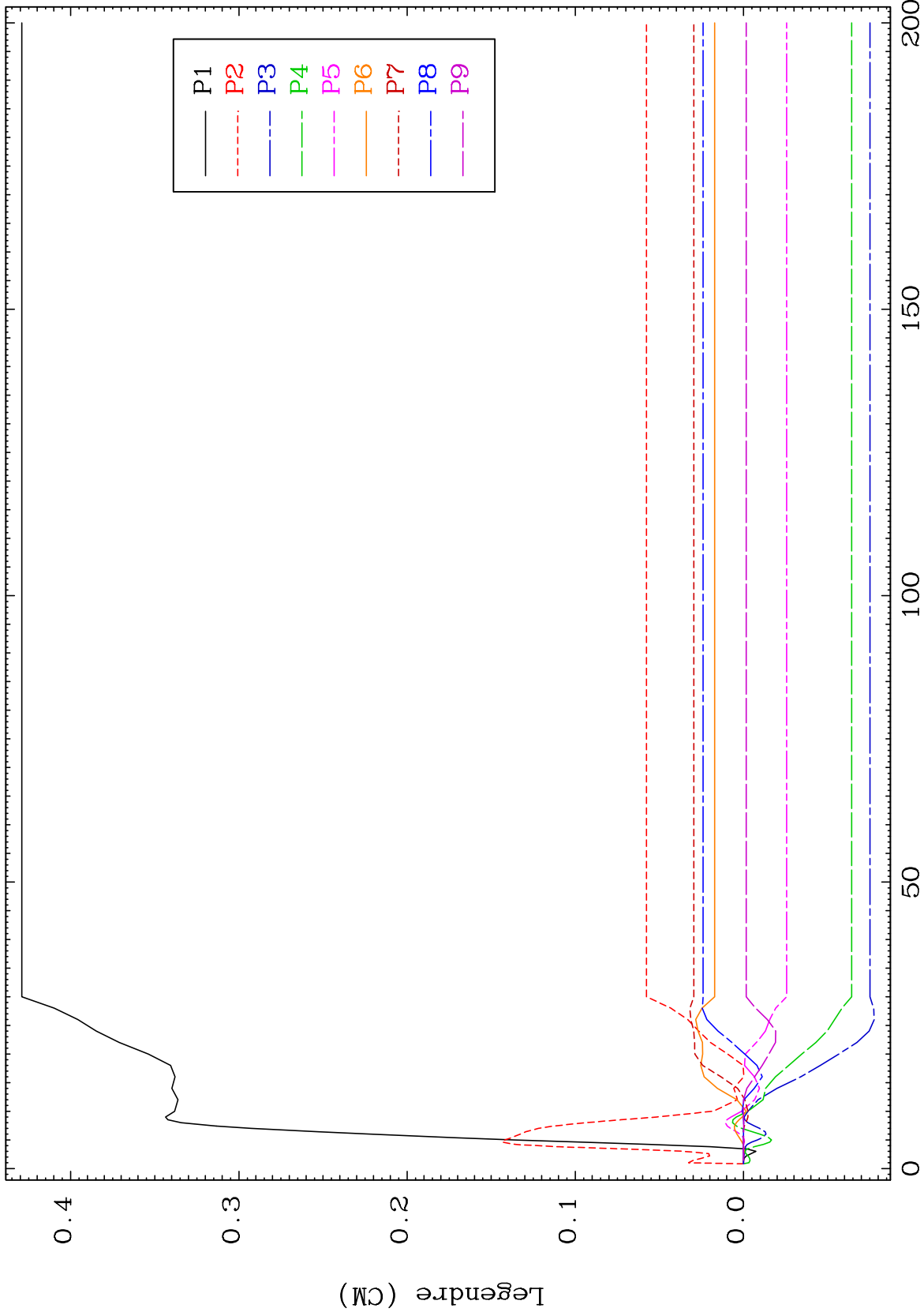
82-Pb-185



MAT 8168

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

82-Pb-185



72

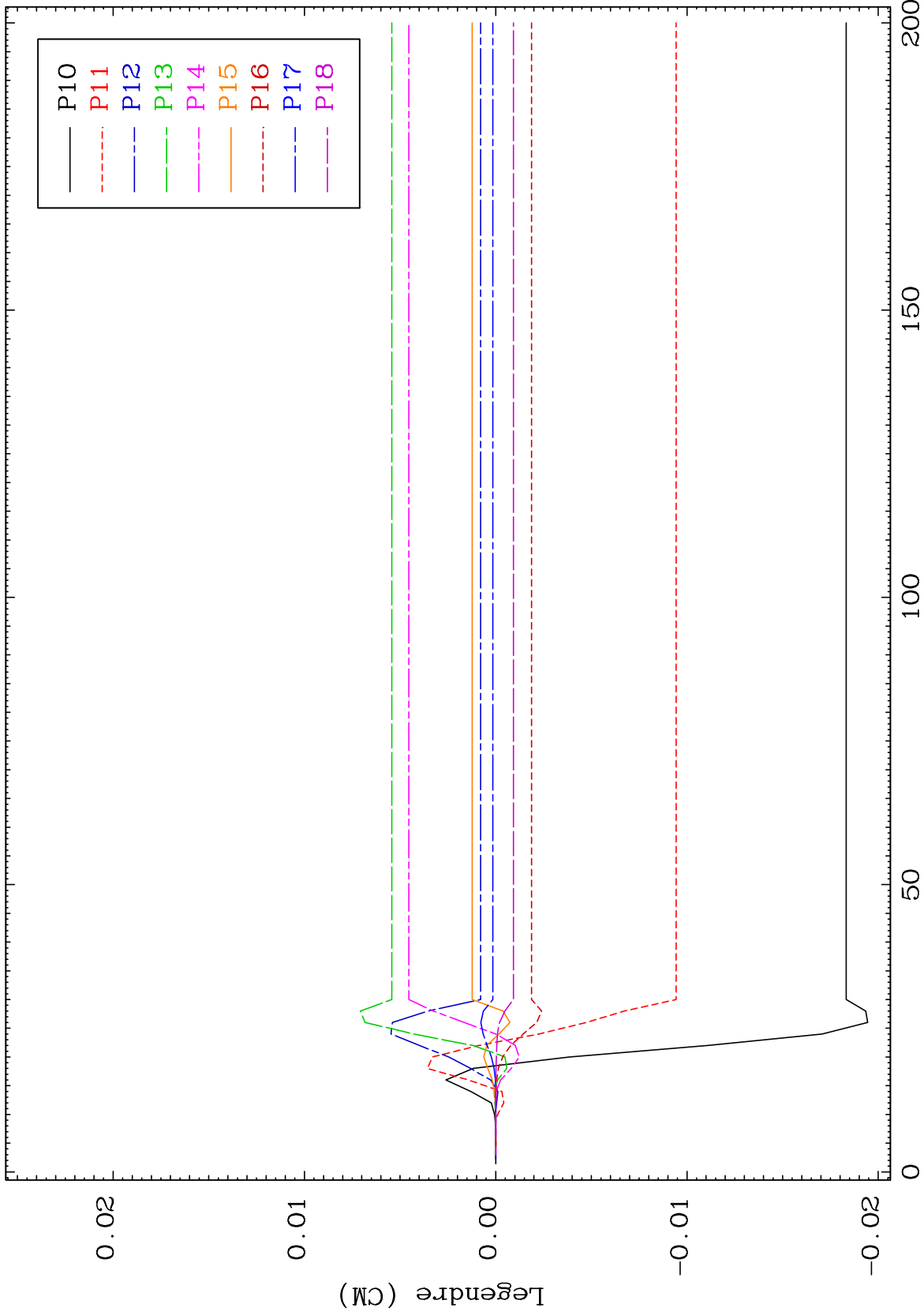
Incident Energy (MeV)

82-Pb-185

MAT 8168

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

82-Pb-185



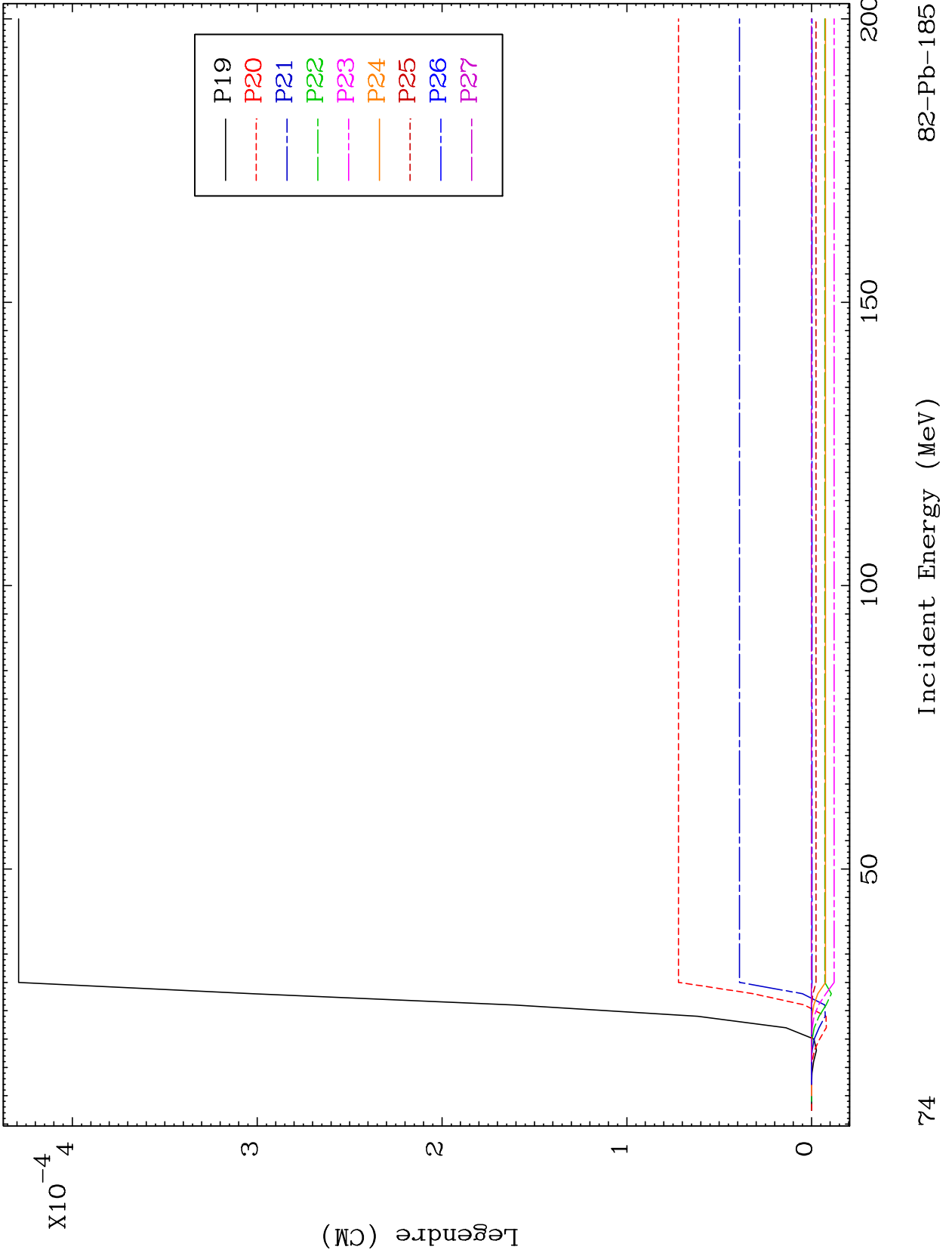
73

82-Pb-185

MAT 8168

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

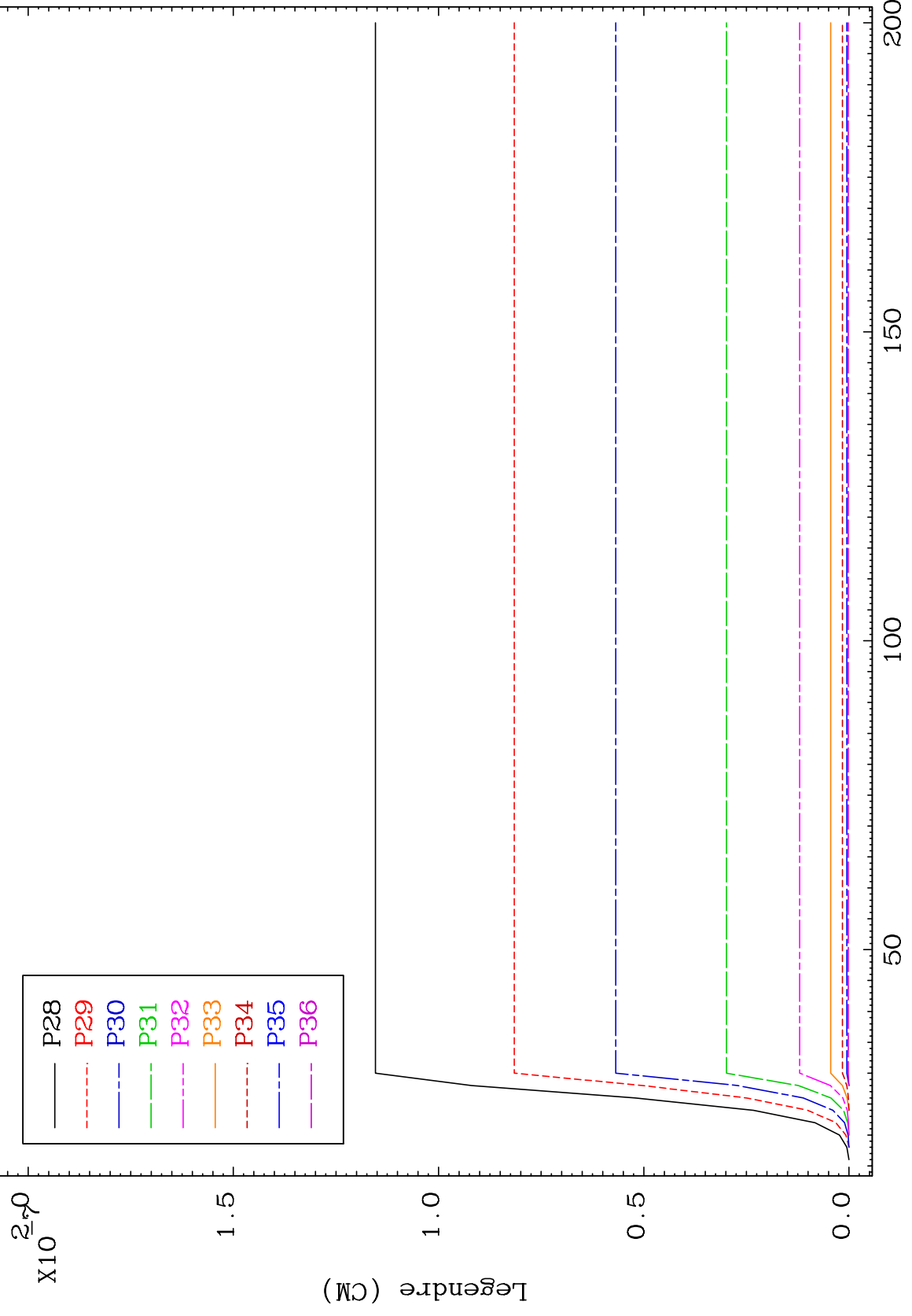
82-Pb-185



MAT 81688

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

82-Pb-185



75

Incident Energy (MeV)

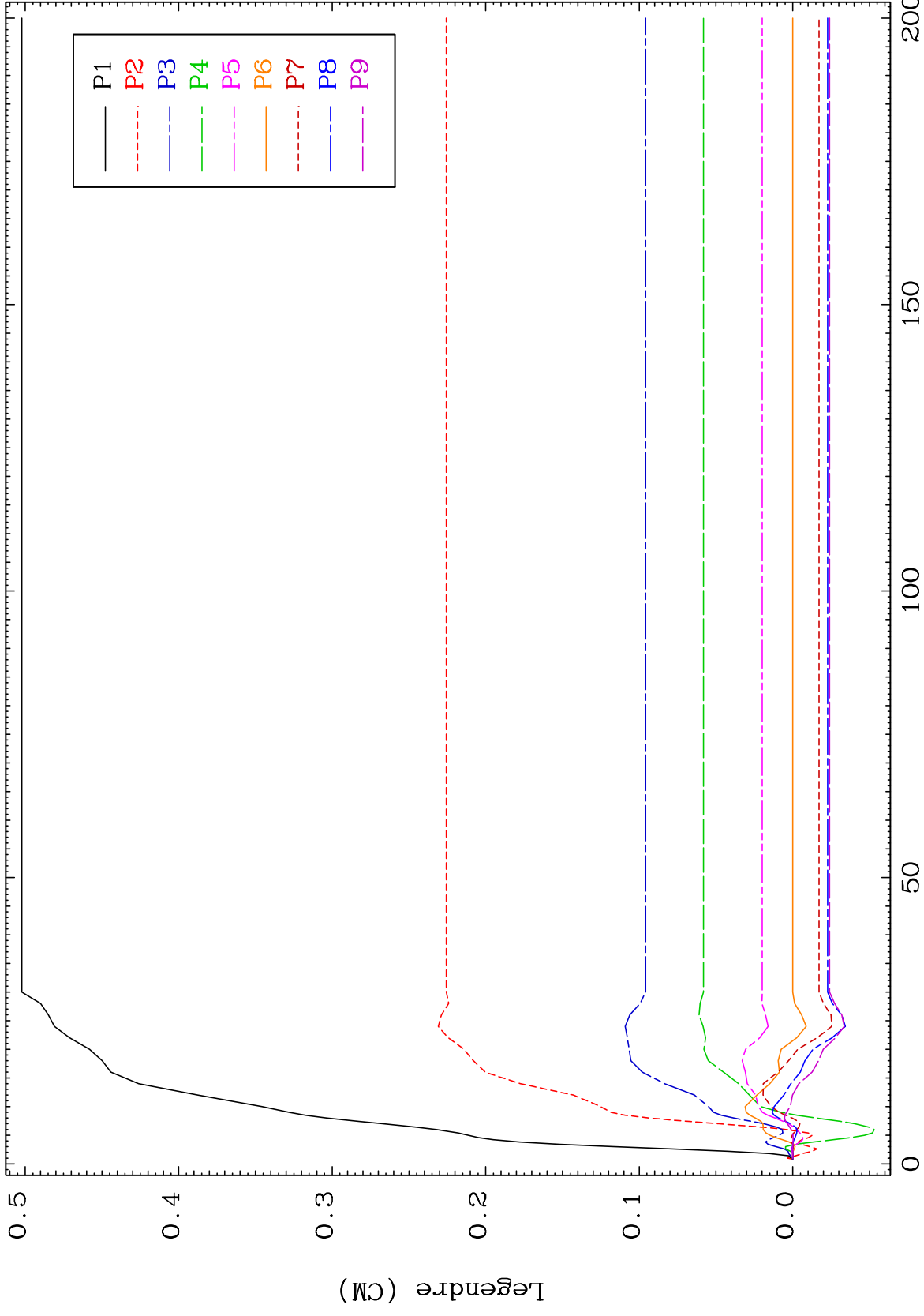
82-Pb-185

MAT 8168

MT= 65 (n,n') Level

82-Pb-185

Legendre Coefficients



76

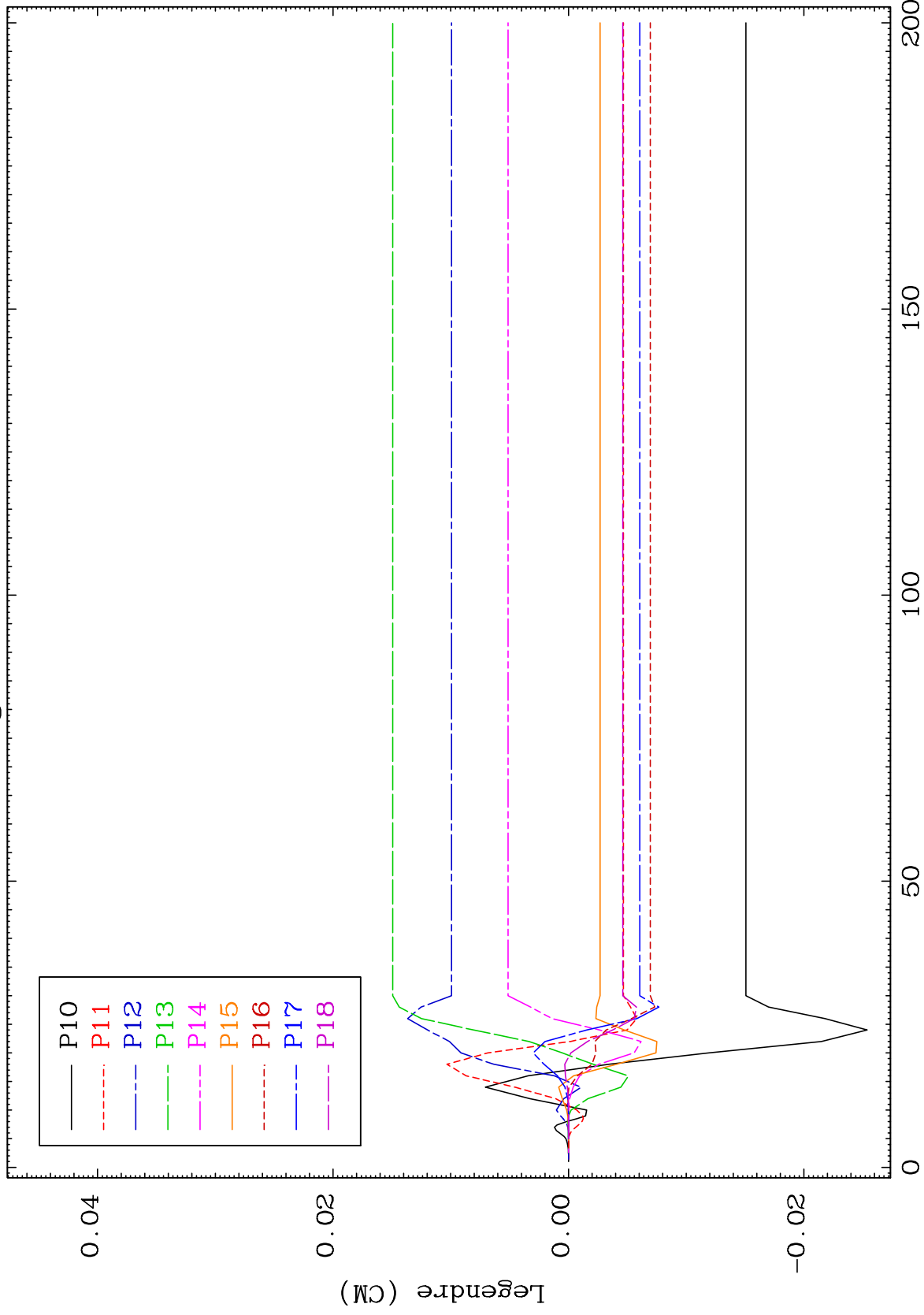
Incident Energy (MeV)

82-Pb-185

MAT 8168

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

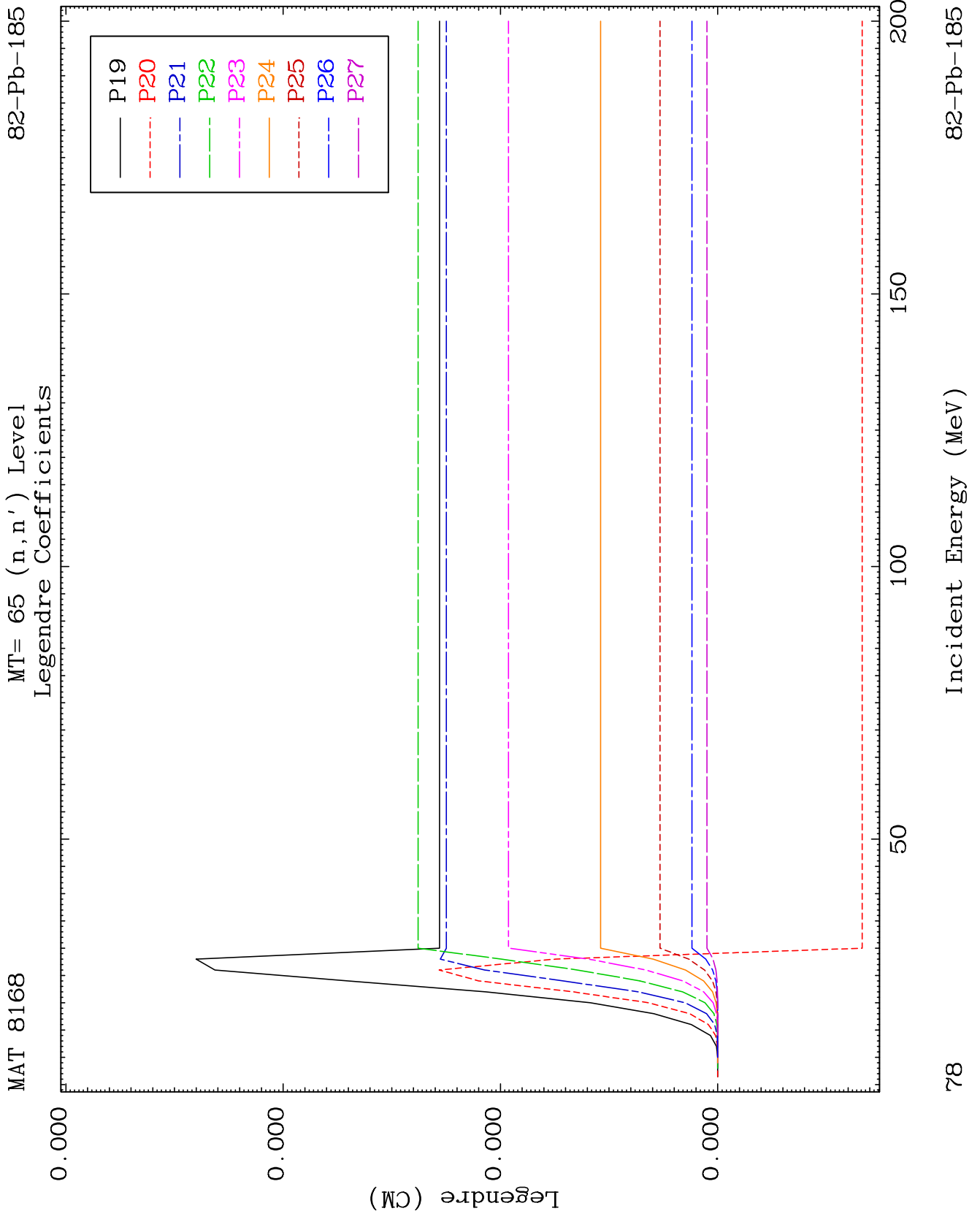
82-Pb-185

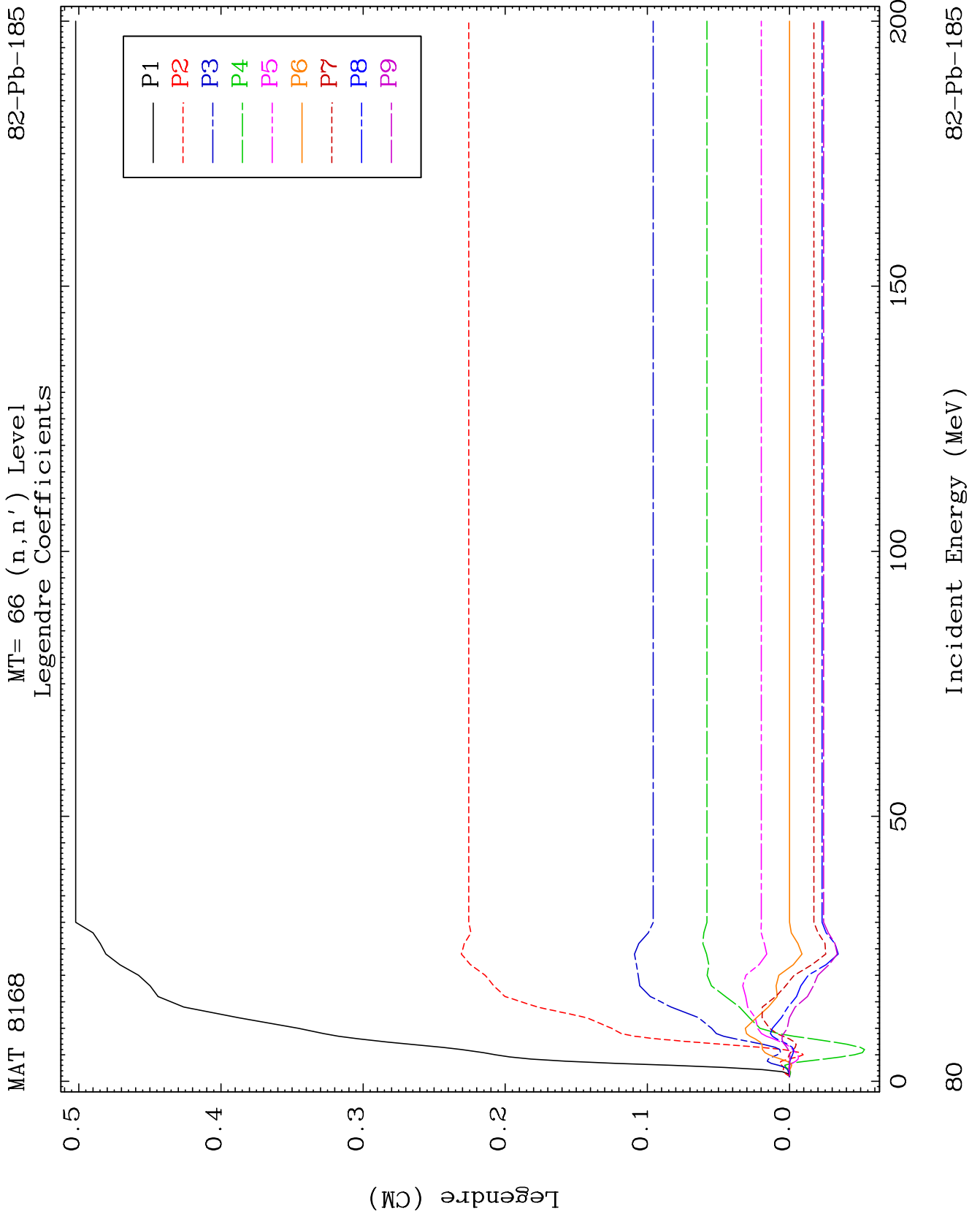


77

Incident Energy (MeV)

82-Pb-185

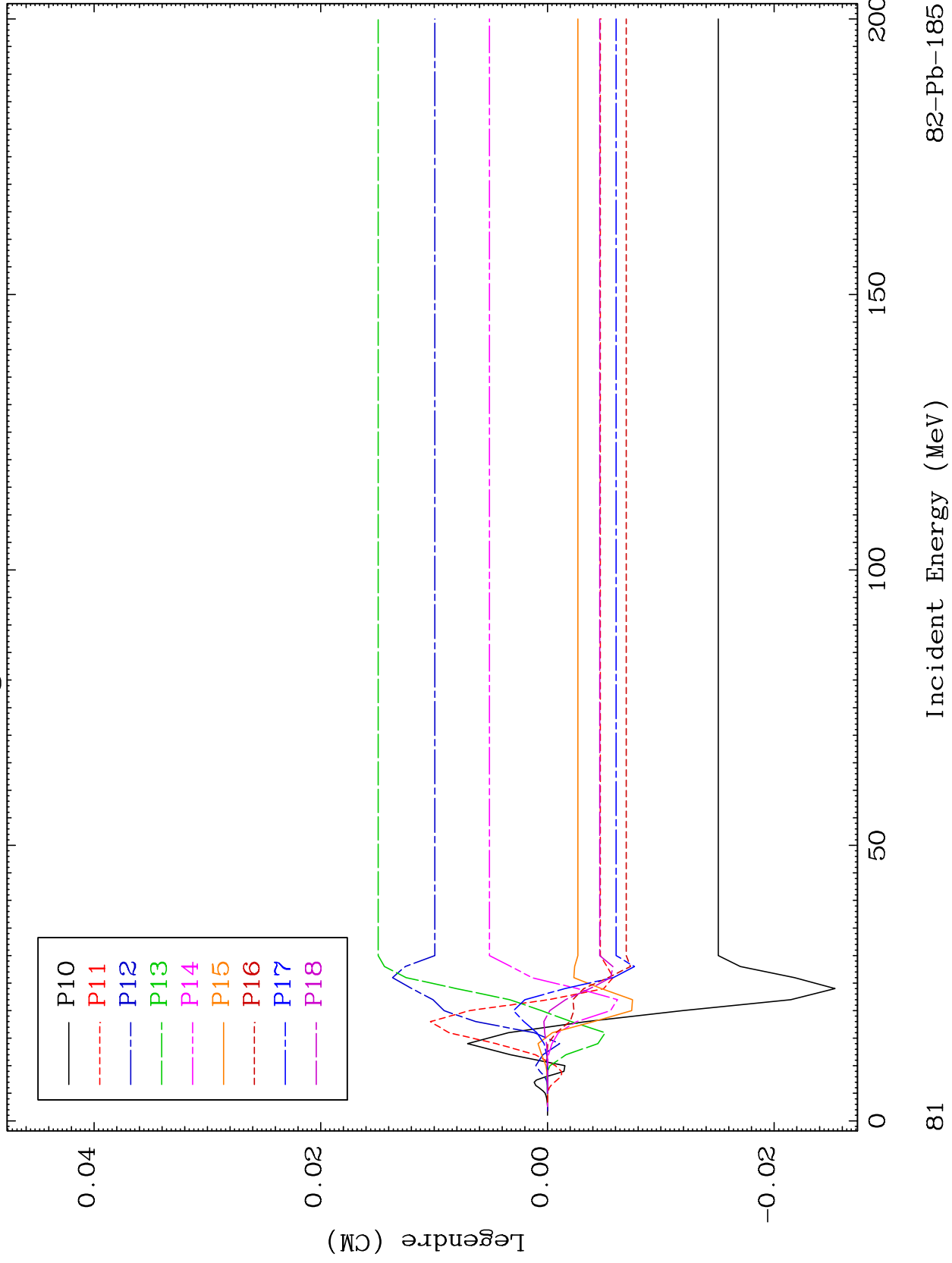




MAT 8168

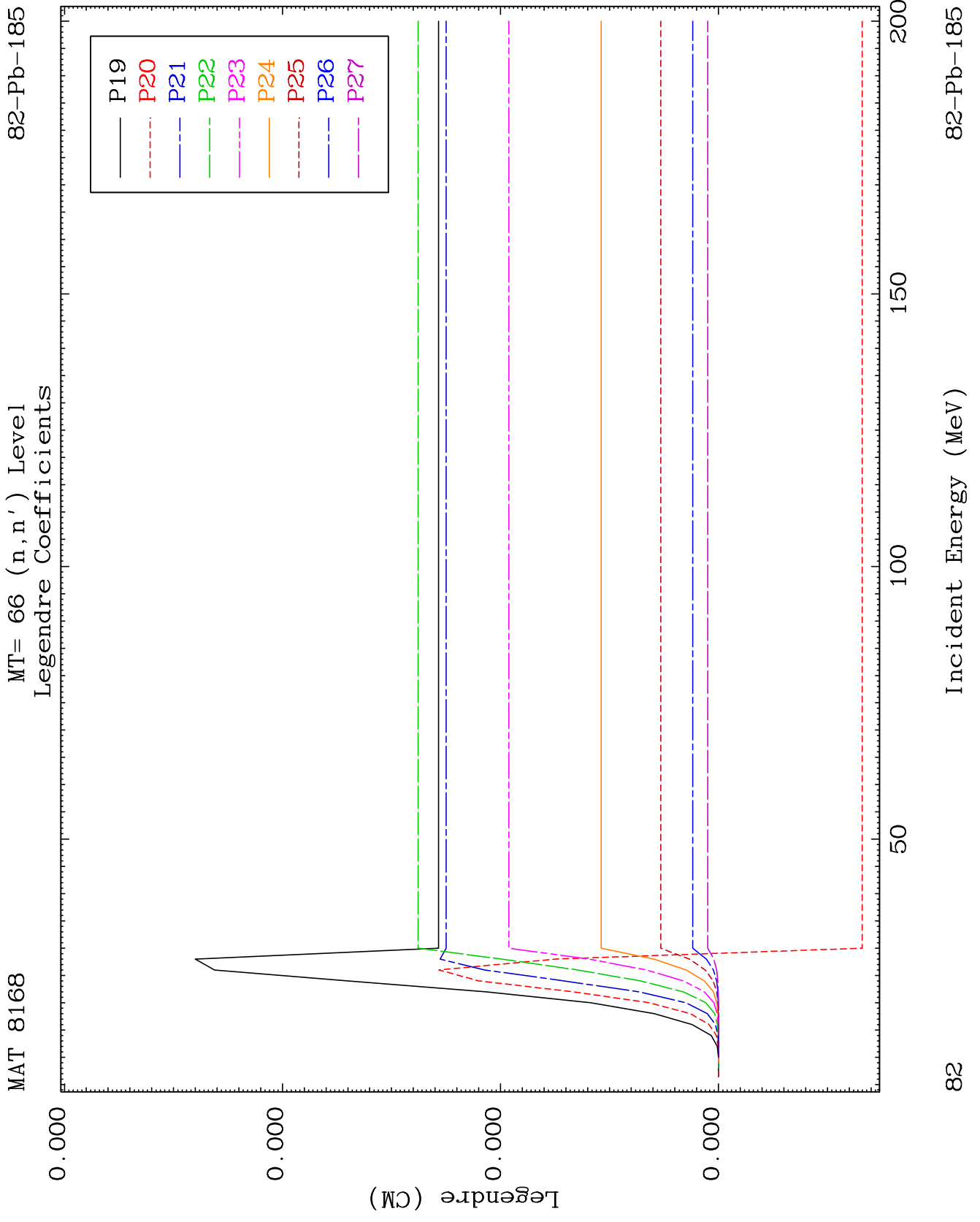
MT= 66 (n,n') Level
Legendre Coefficients

82-Pb-185



81

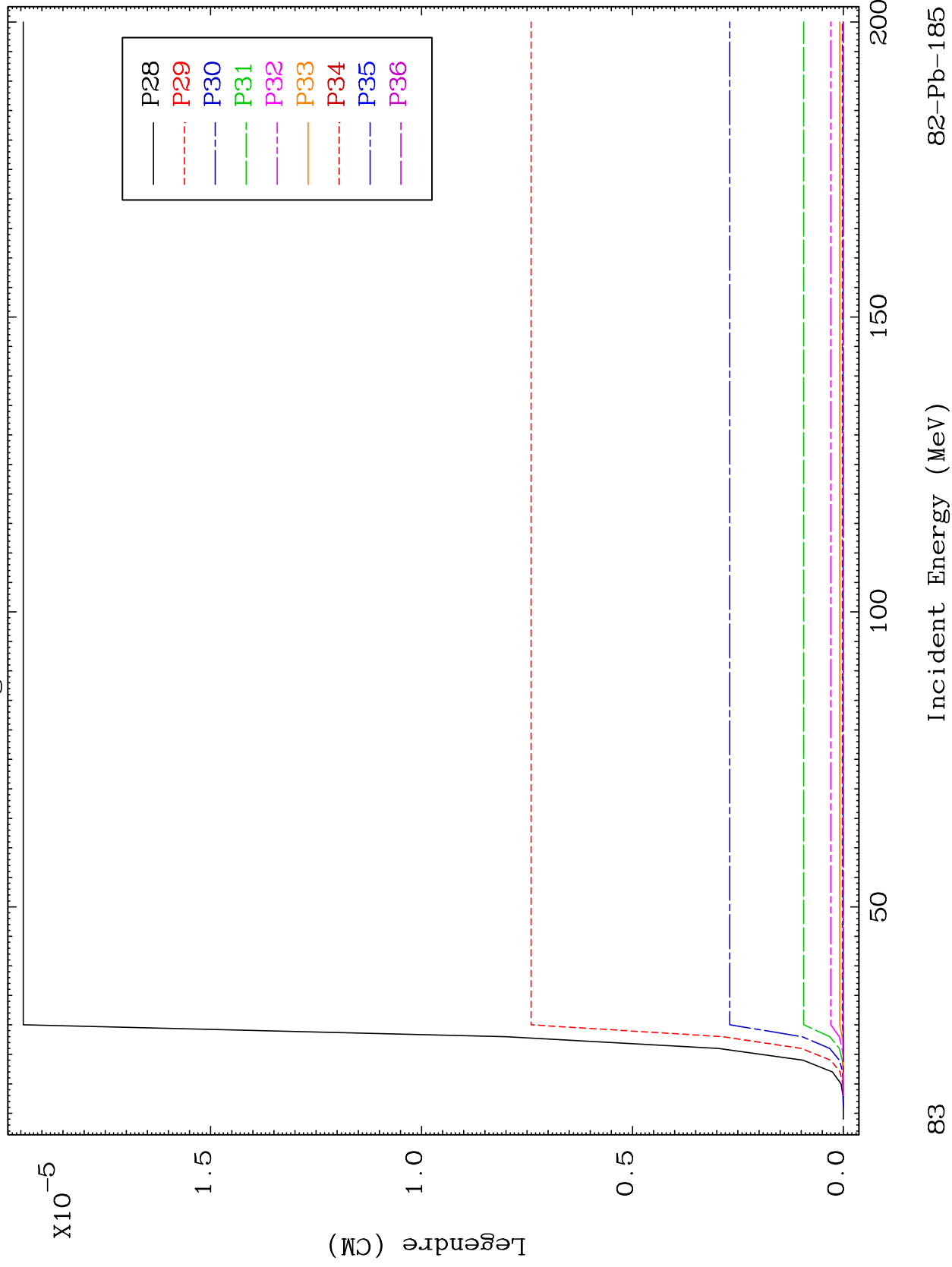
82-Pb-185



MAT 8168

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

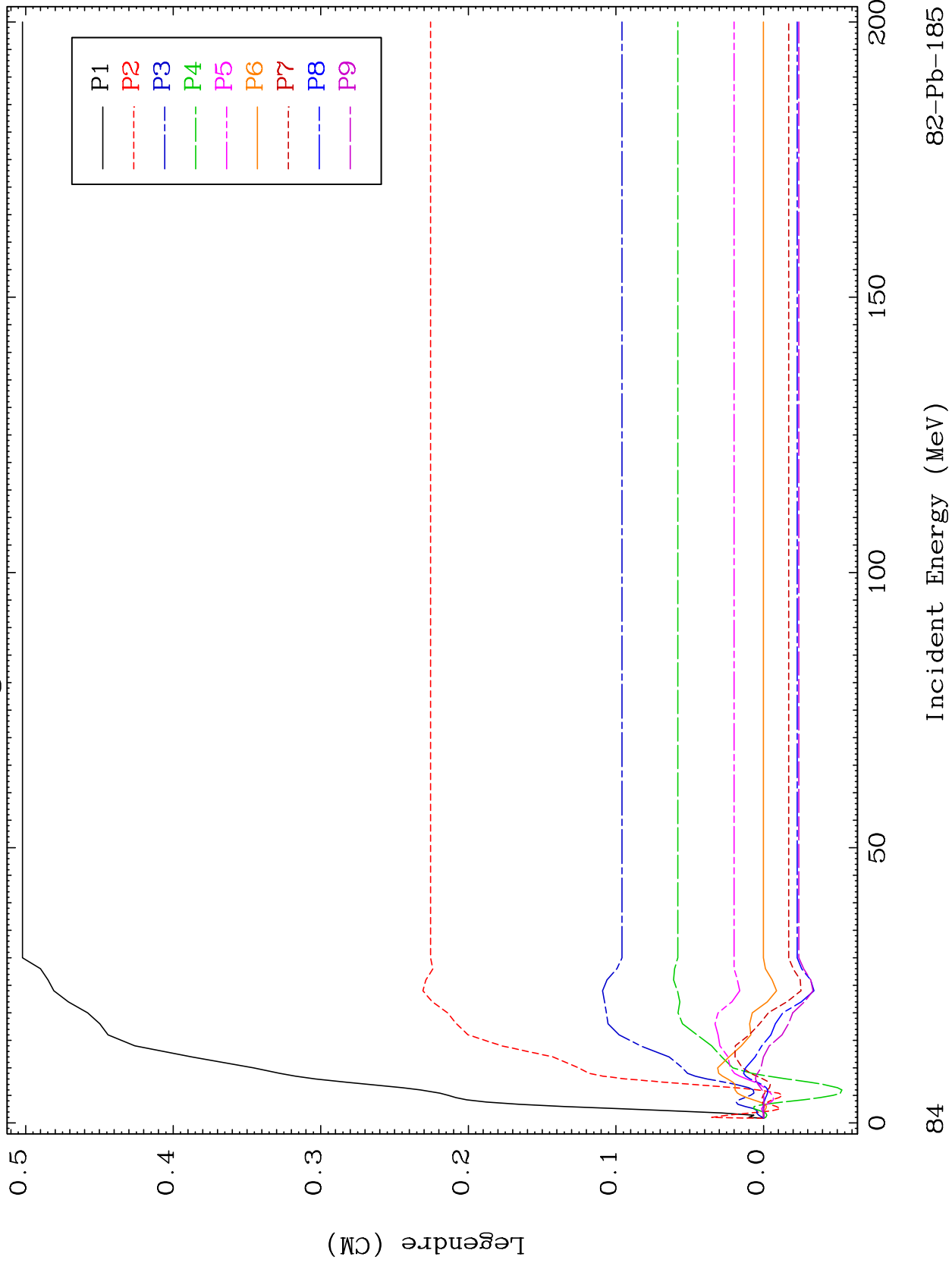
82-Pb-185



MAT 8168

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

82-Pb-185



84

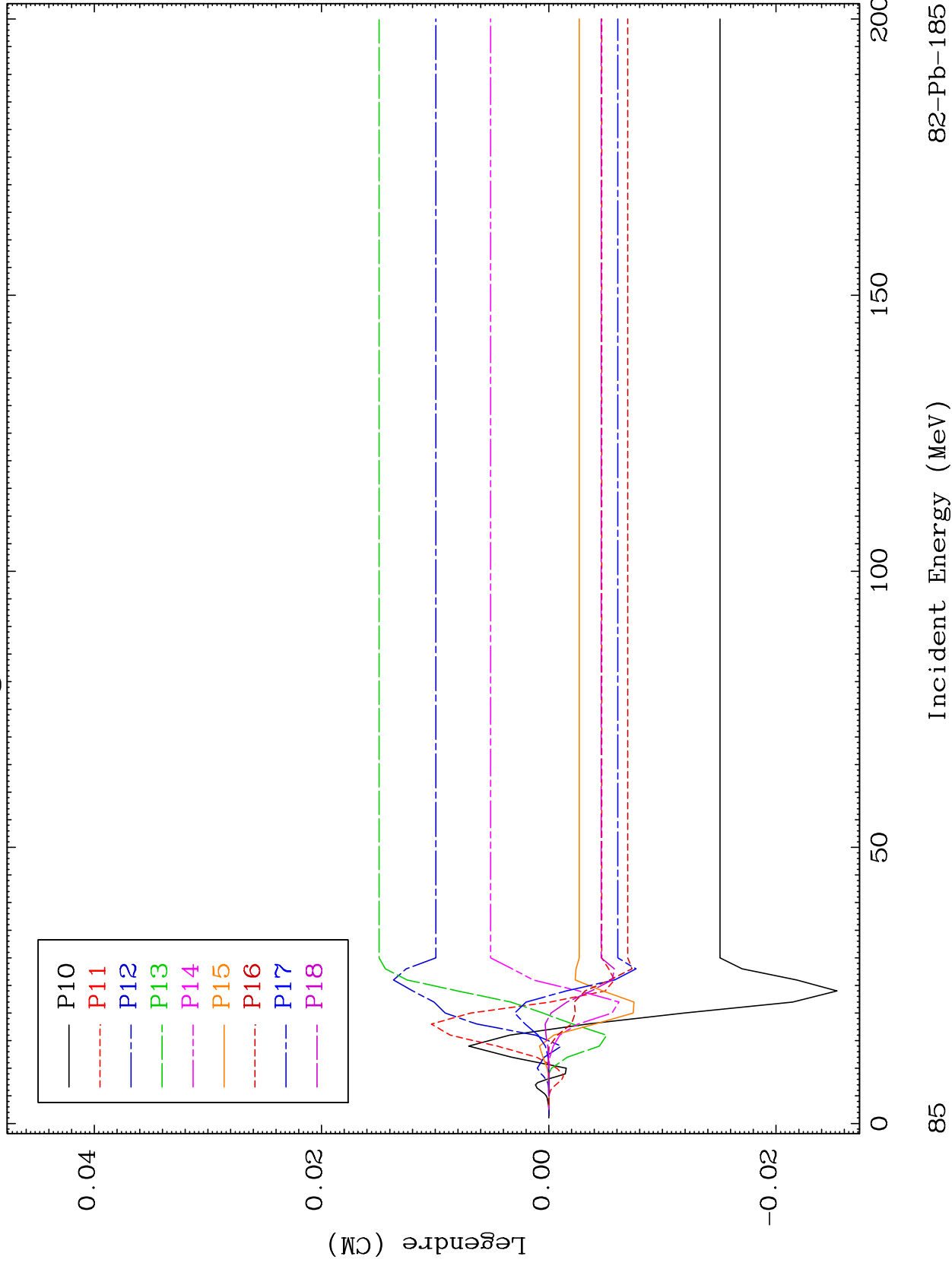
Incident Energy (MeV)

82-Pb-185

MAT 8168

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

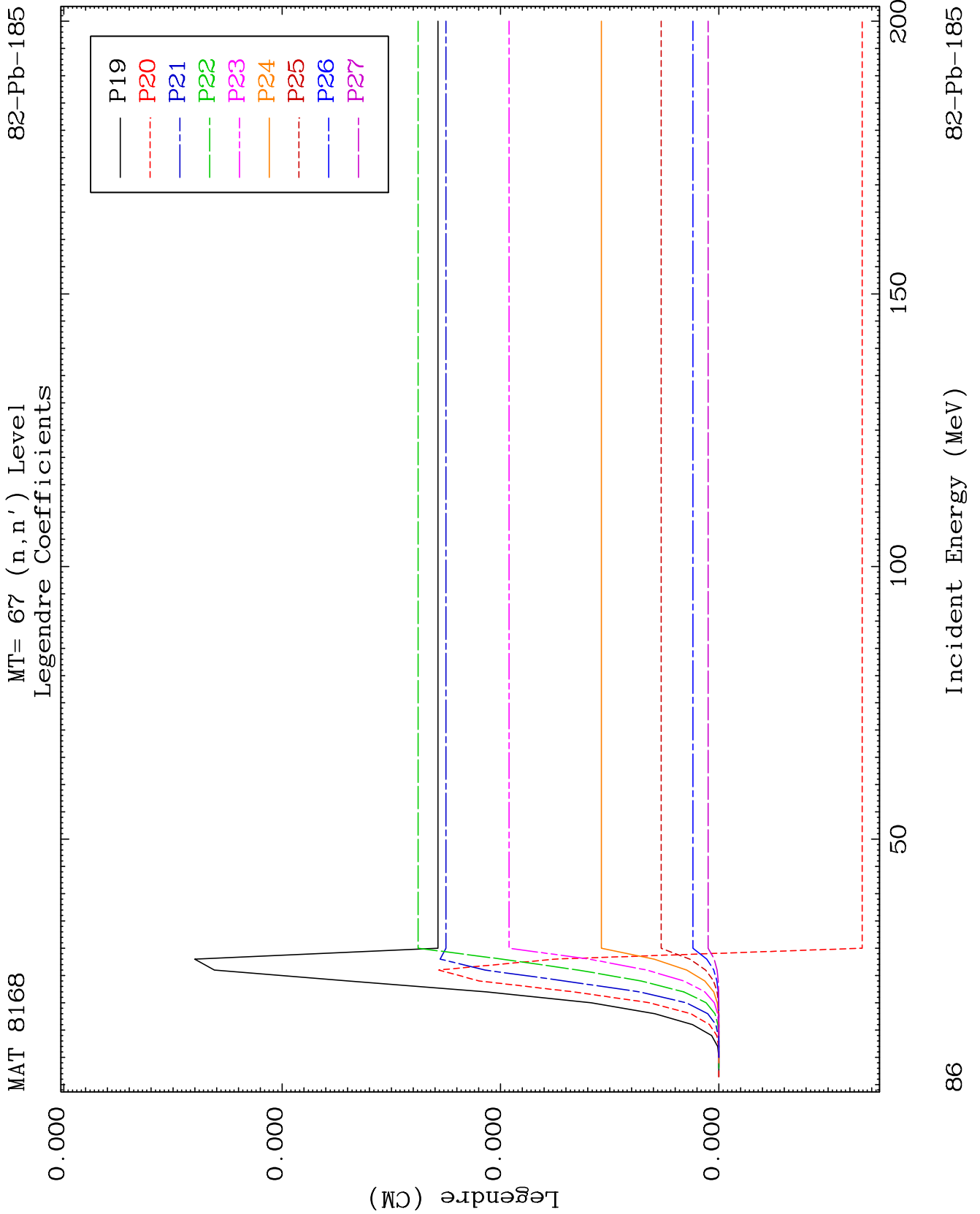
82-Pb-185



82-Pb-185

Incident Energy (MeV)

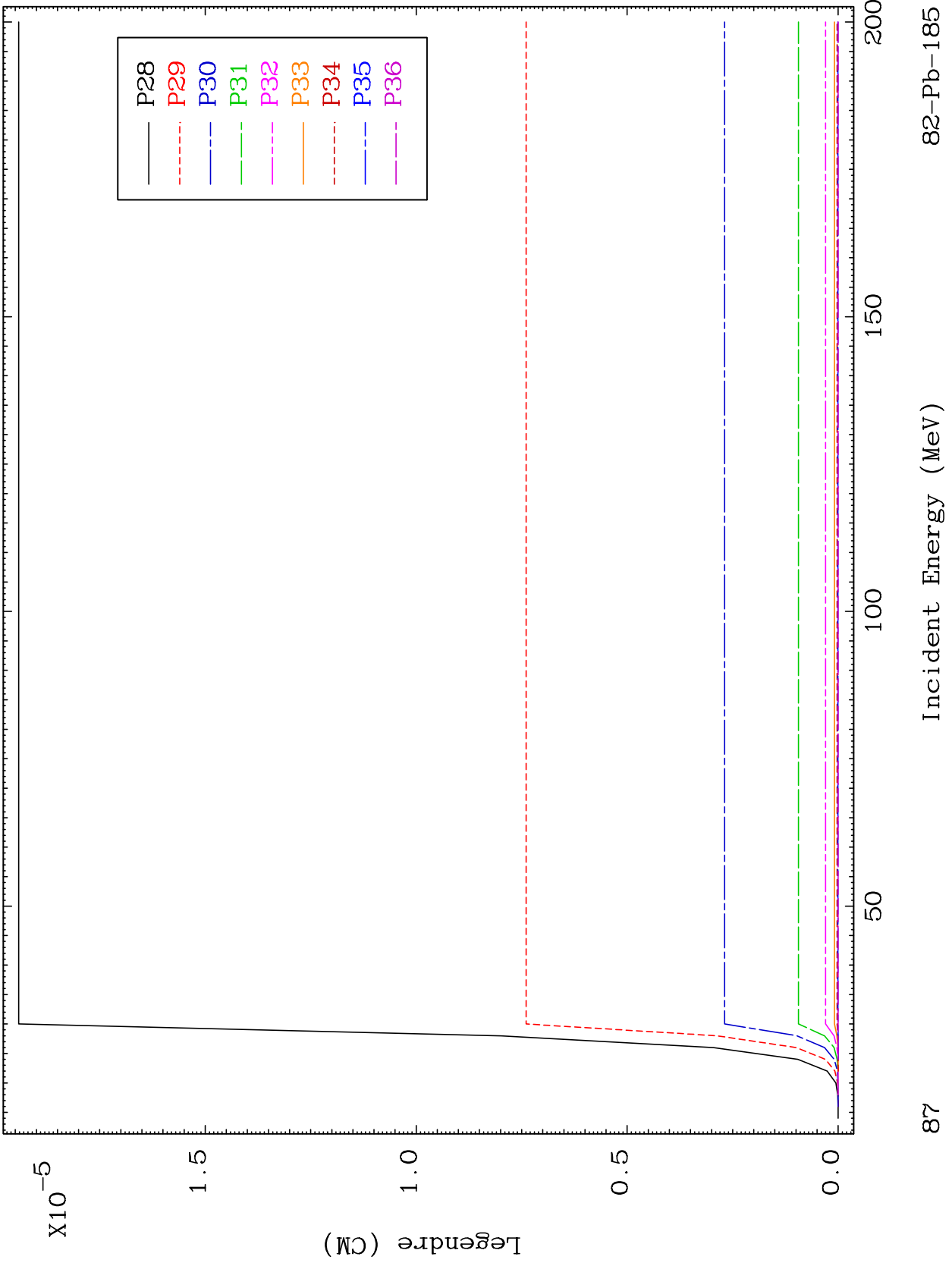
85



MAT 8168

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

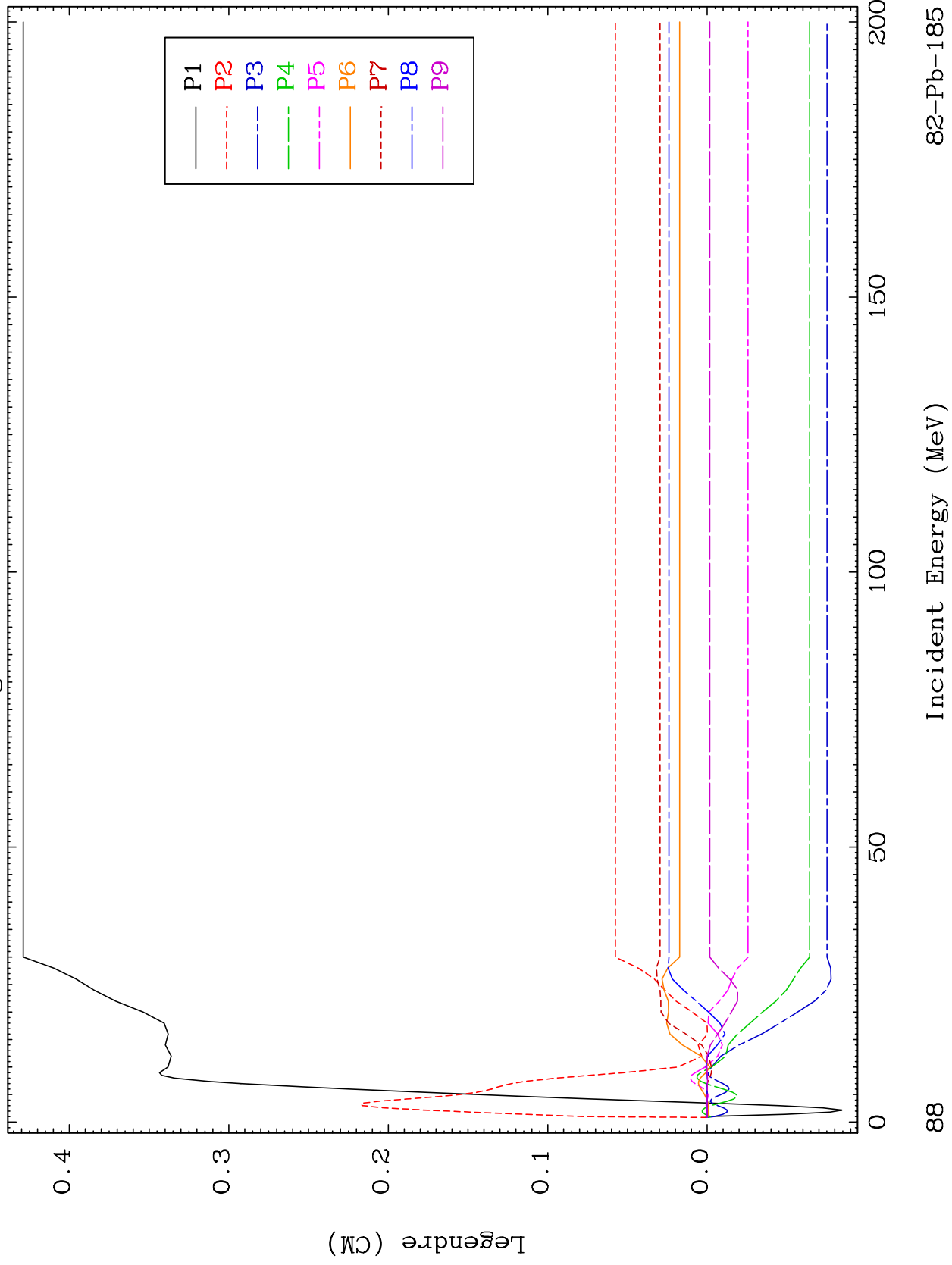
82-Pb-185



MAT 8168

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

82-Pb-185



82-Pb-185

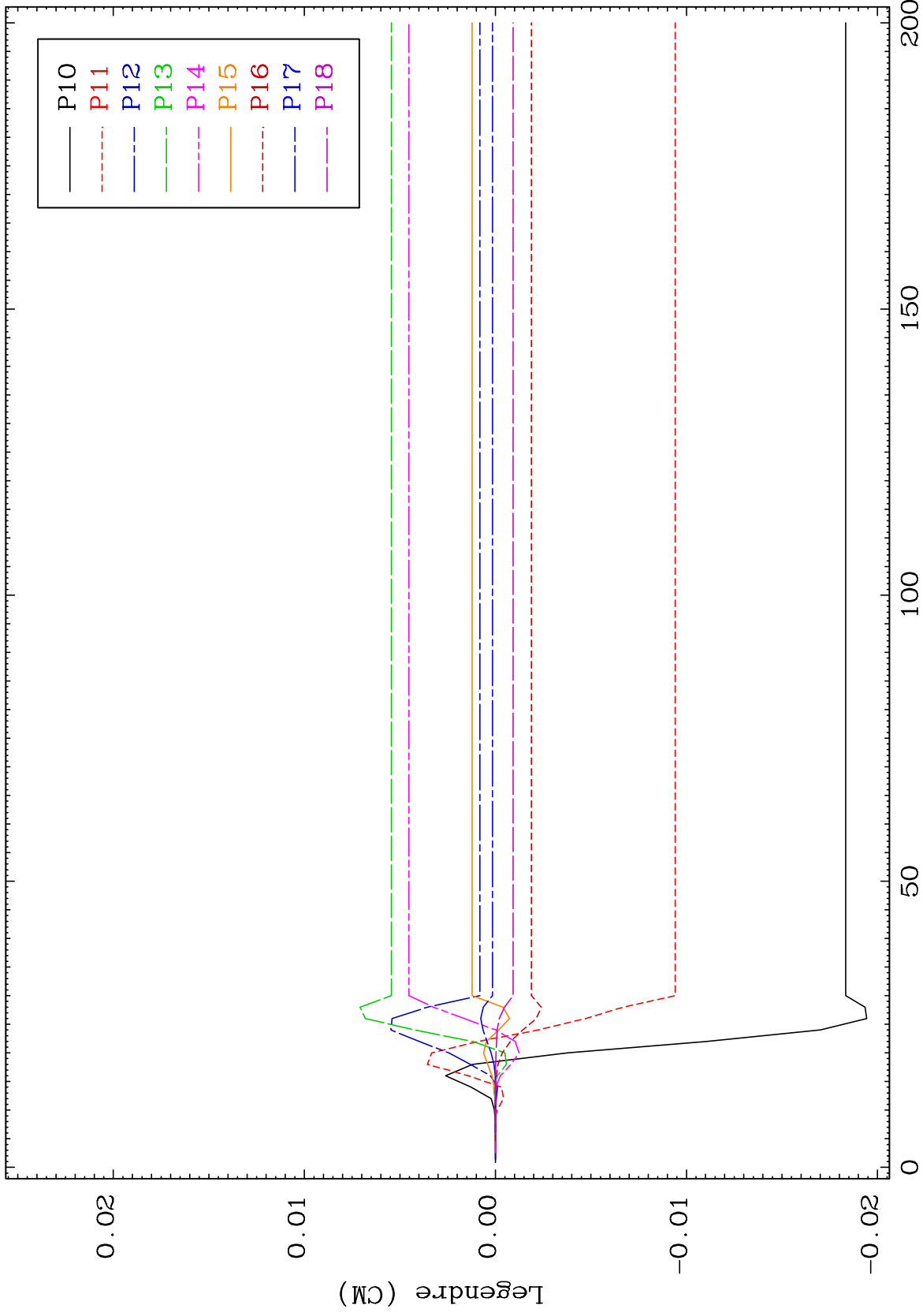
Incident Energy (MeV)

88

MAT 8168

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

82-Pb-185



89

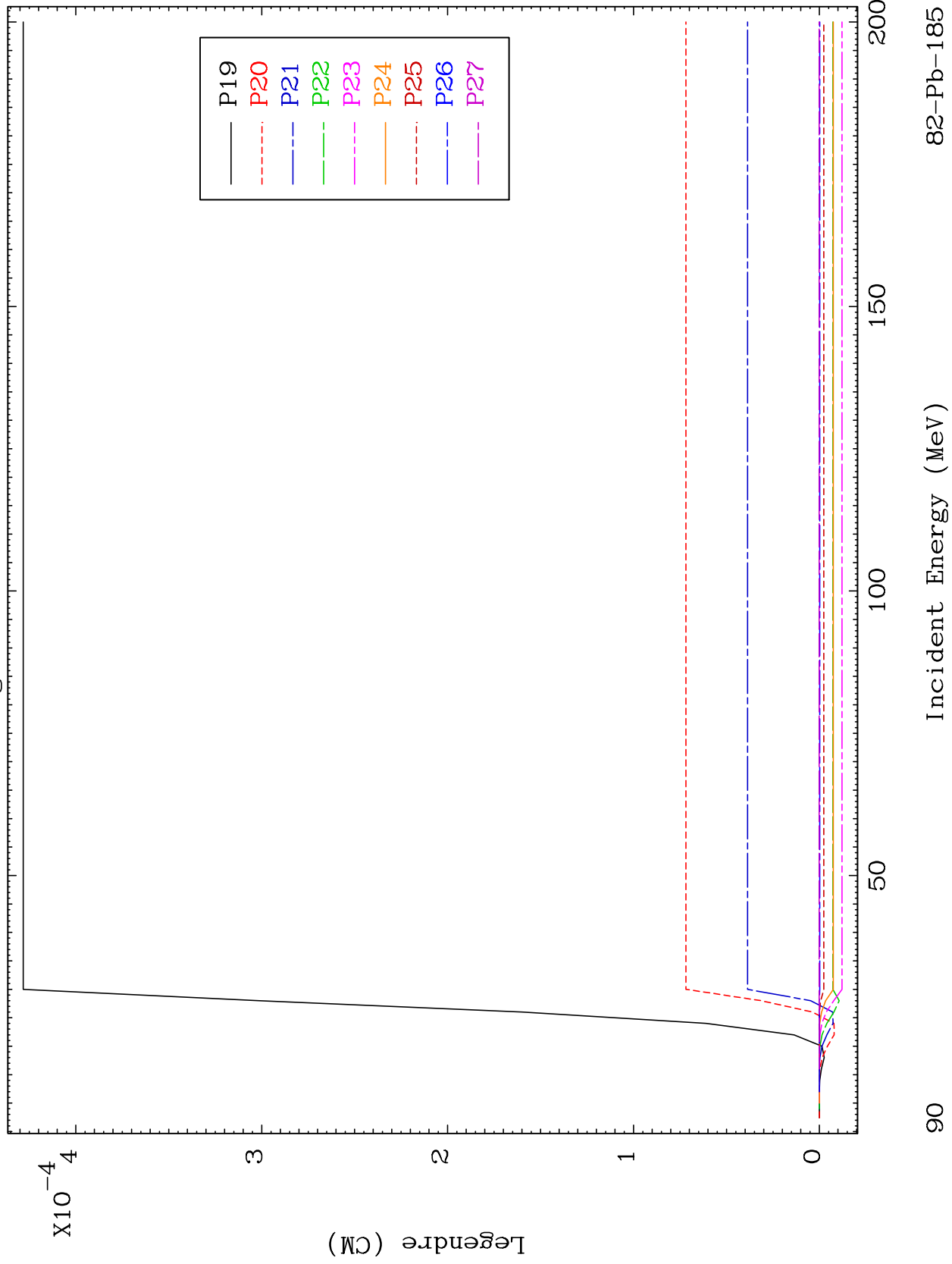
Incident Energy (MeV)

82-Pb-185

MAT 8168

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

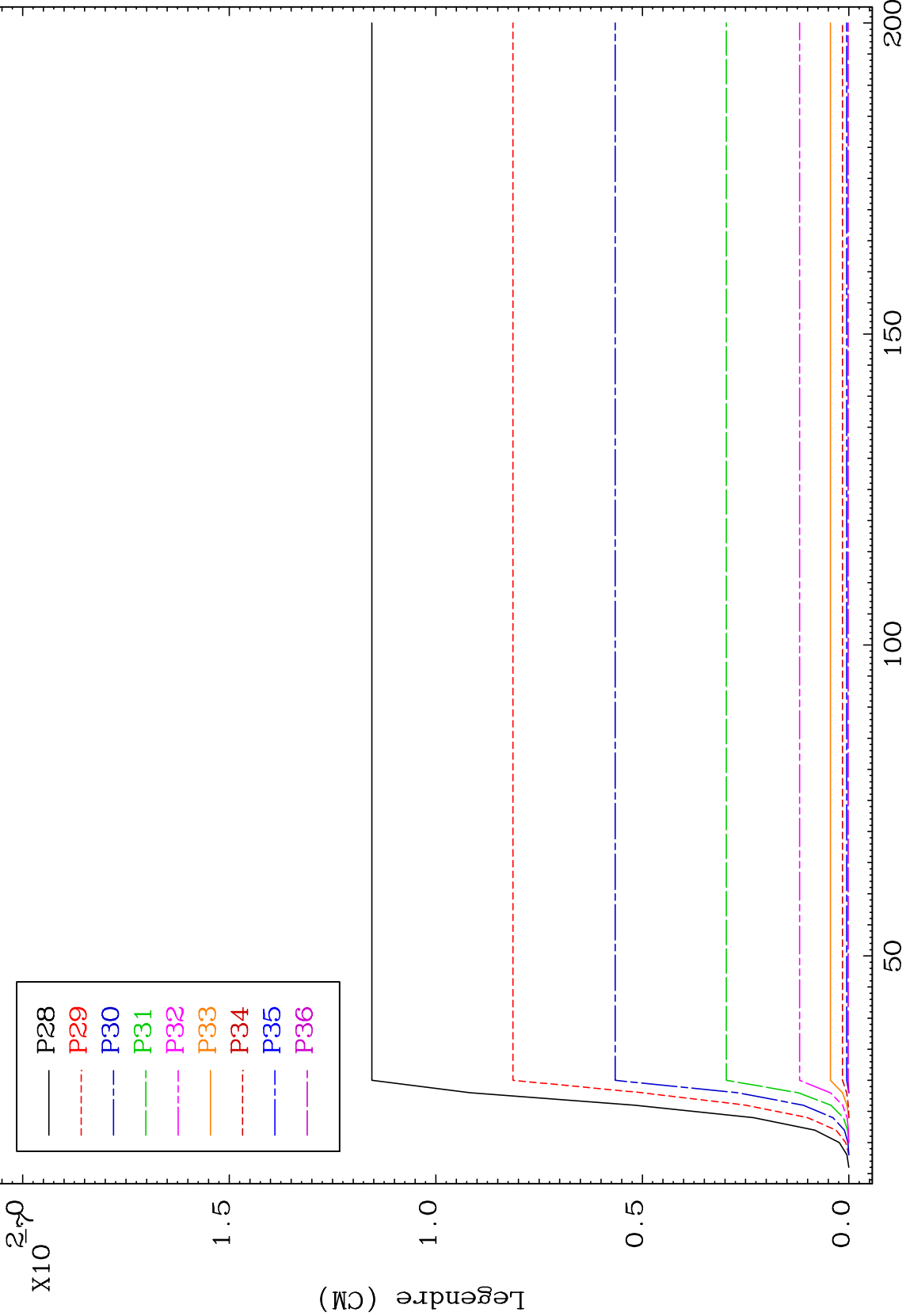
82-Pb-185



MAT 8168

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

82-Pb-185



91

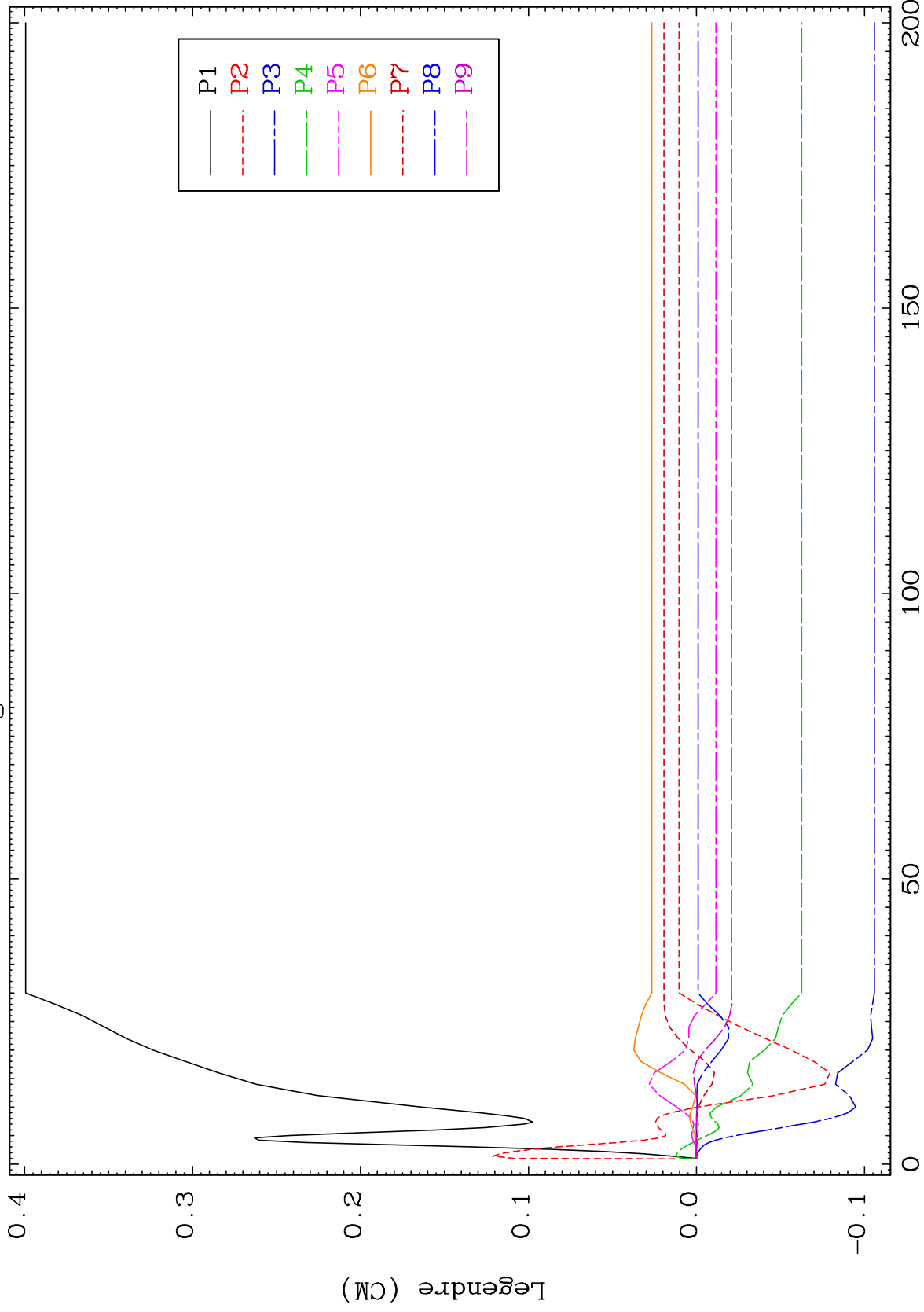
Incident Energy (MeV)

82-Pb-185

MAT 8168

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

82-Pb-185



92

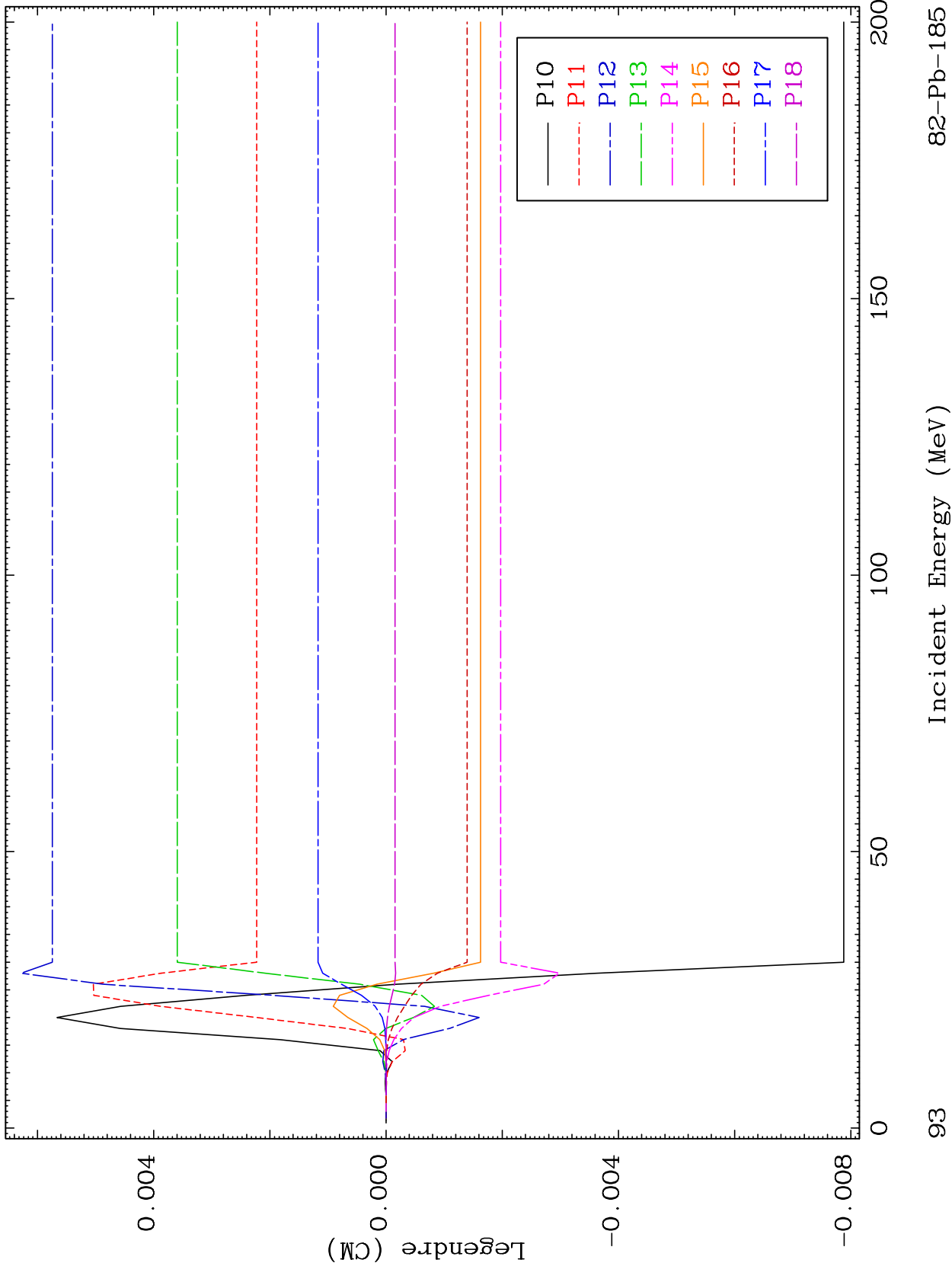
Incident Energy (MeV)

82-Pb-185

MAT 8168

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

82-Pb-185



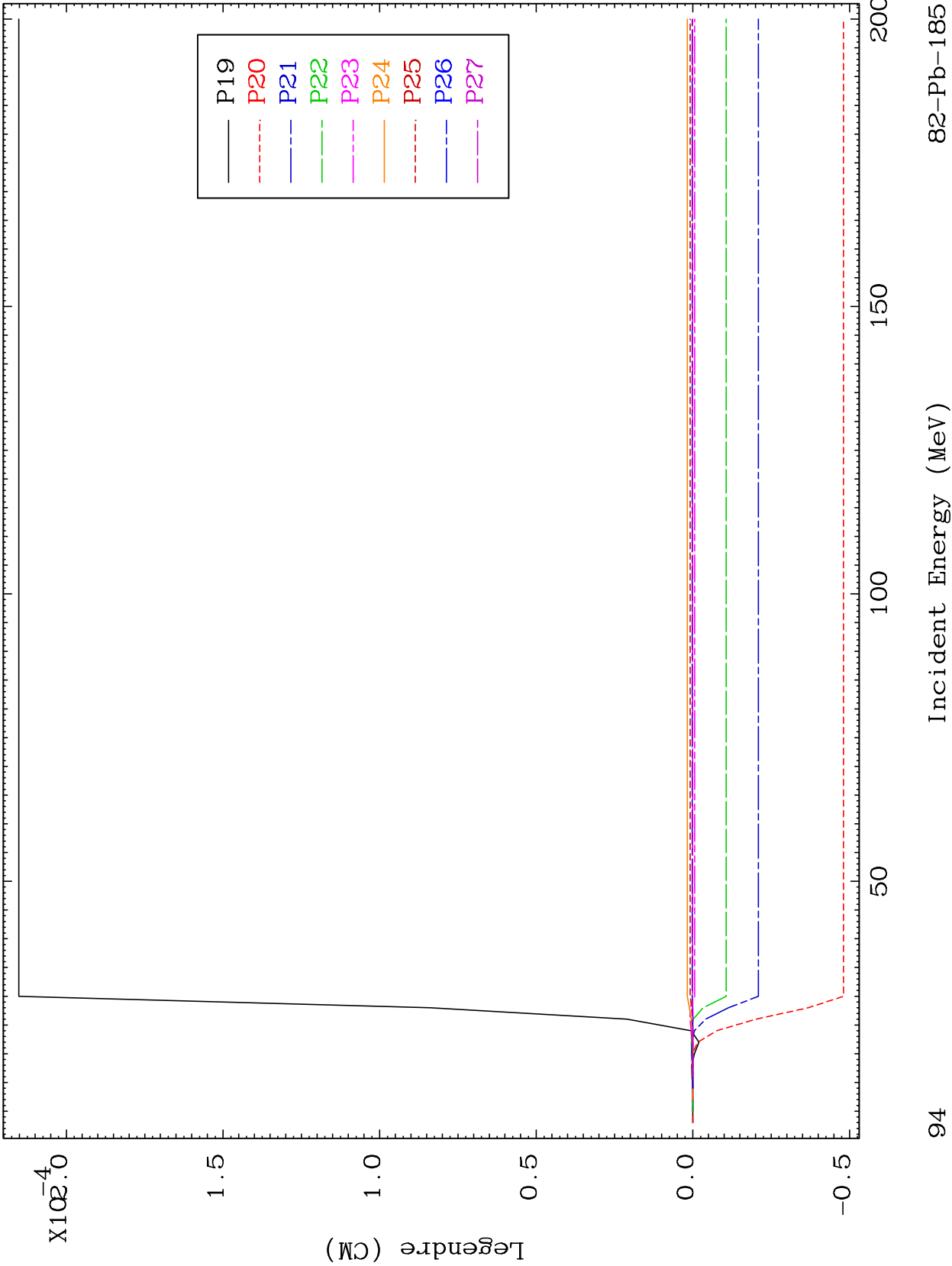
93

82-Pb-185

MAT 8168

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

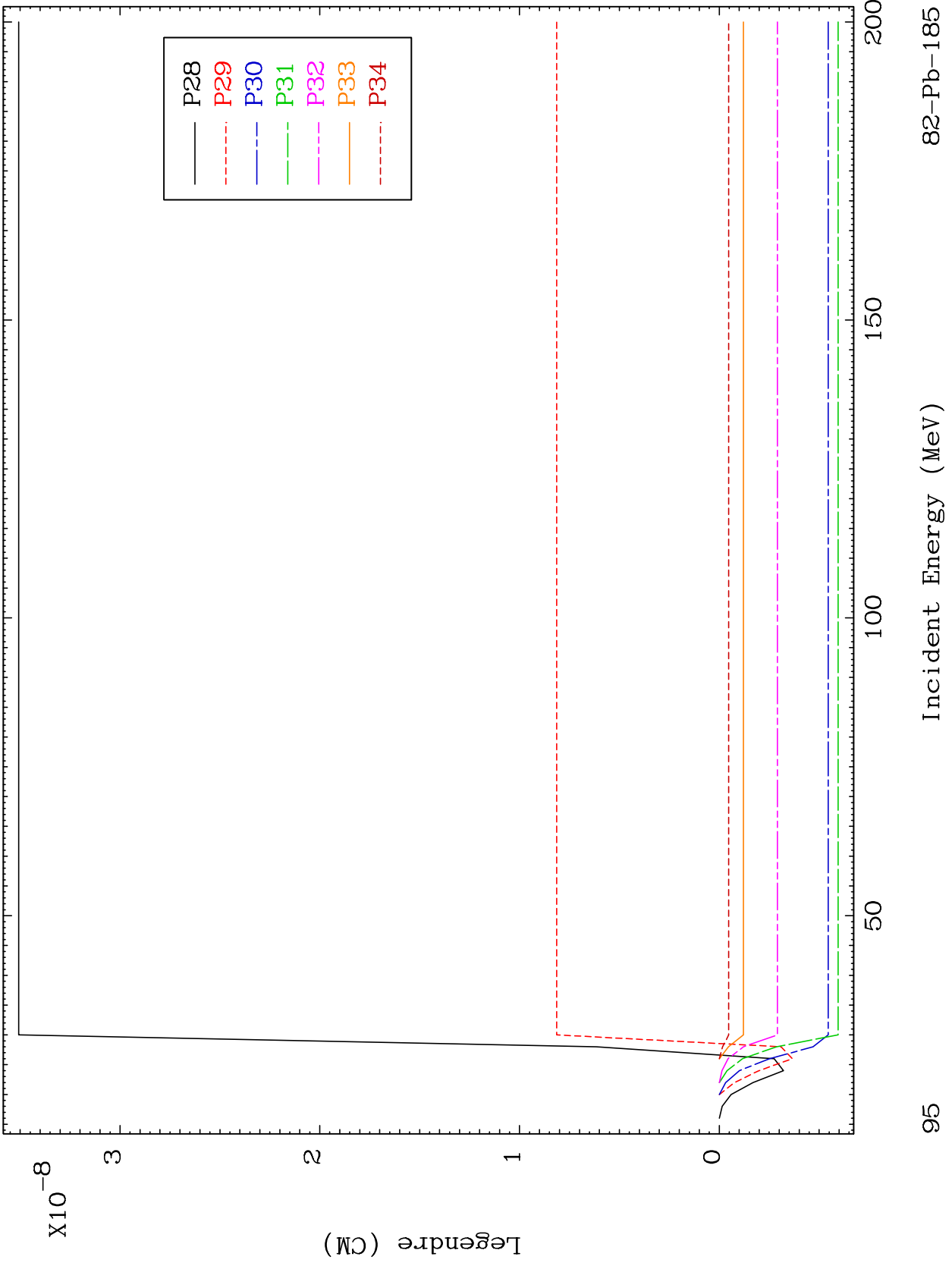
82-Pb-185



MAT 8168

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

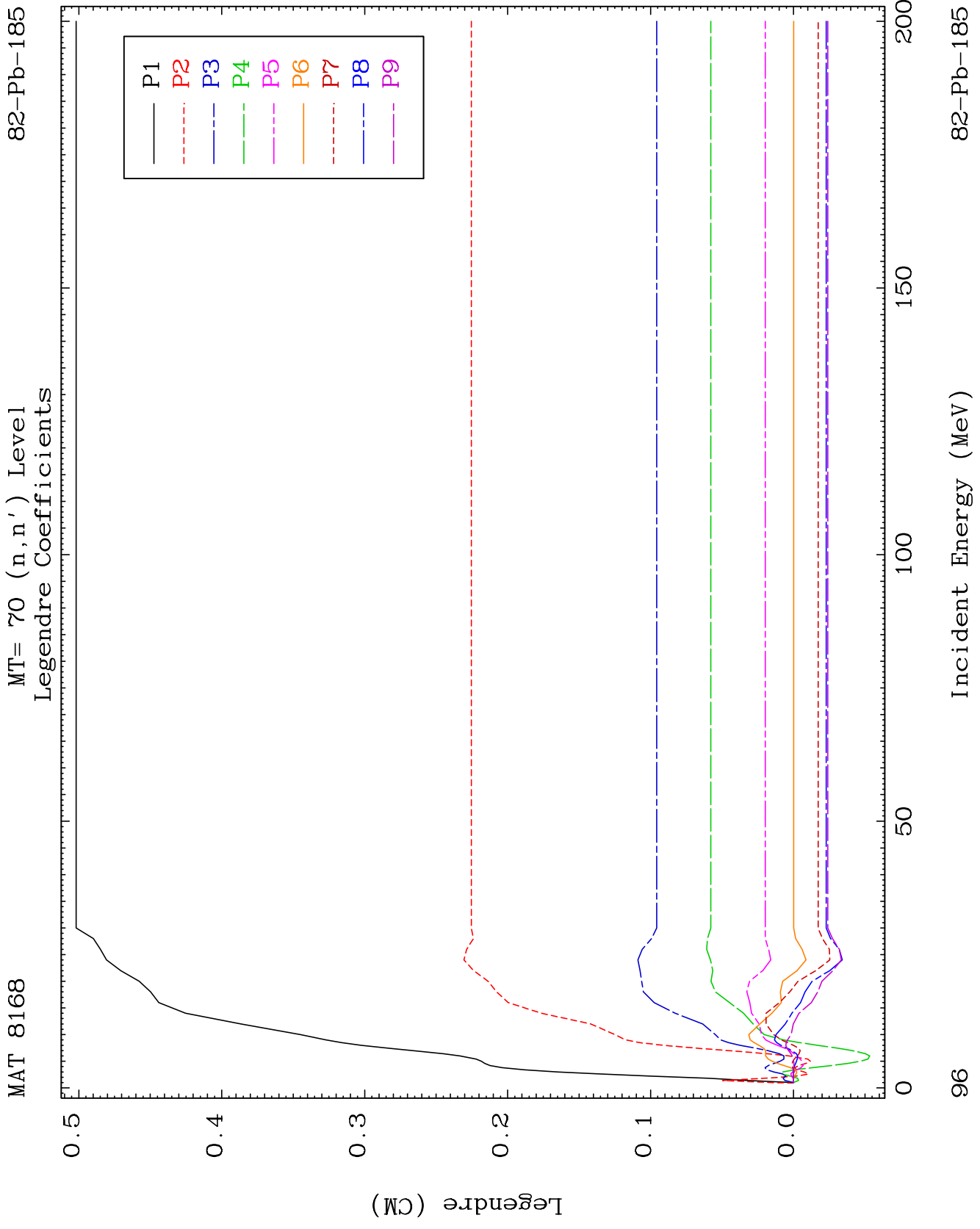
82-Pb-185



95

Incident Energy (MeV)

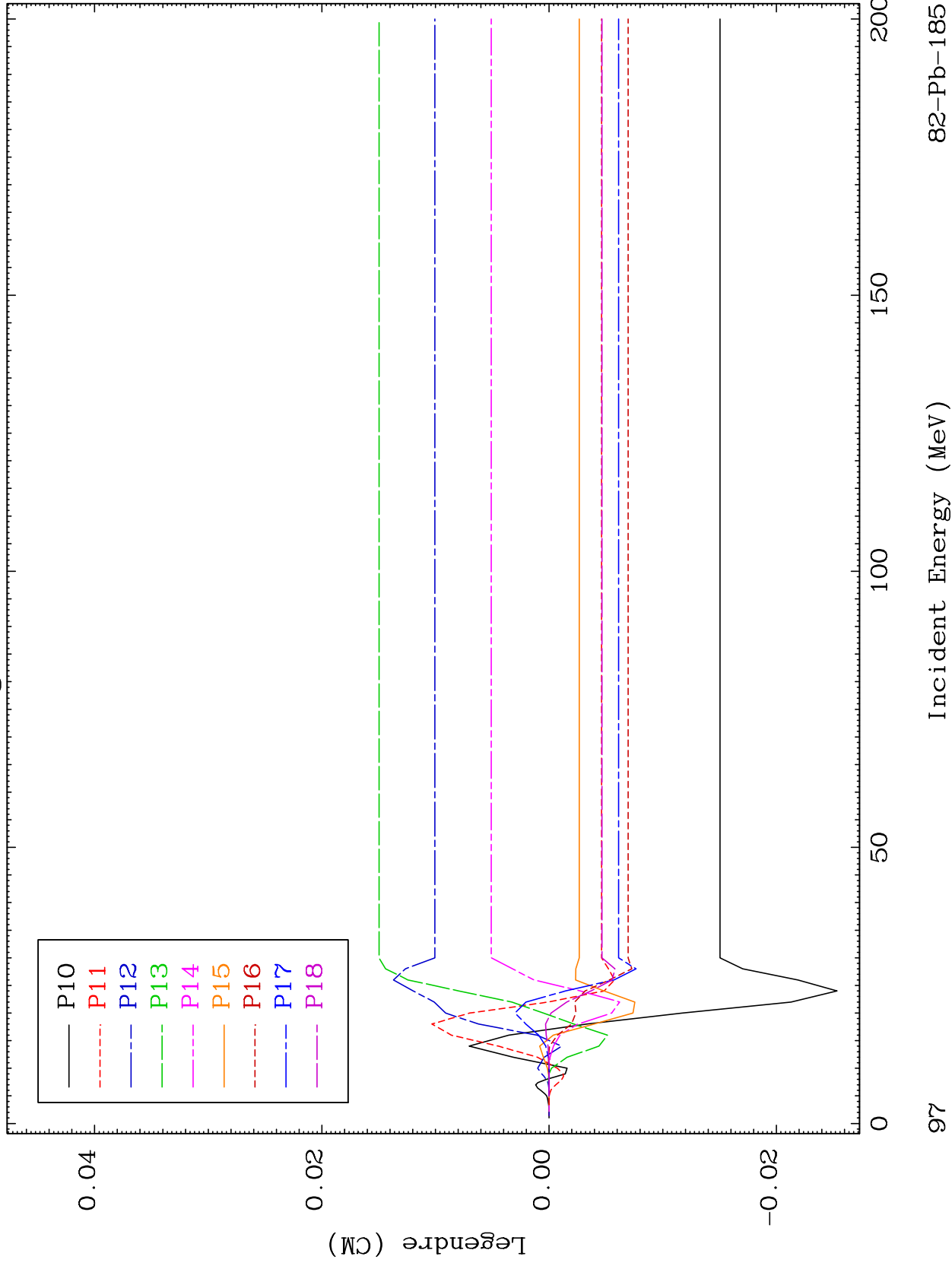
82-Pb-185



MAT 8168

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

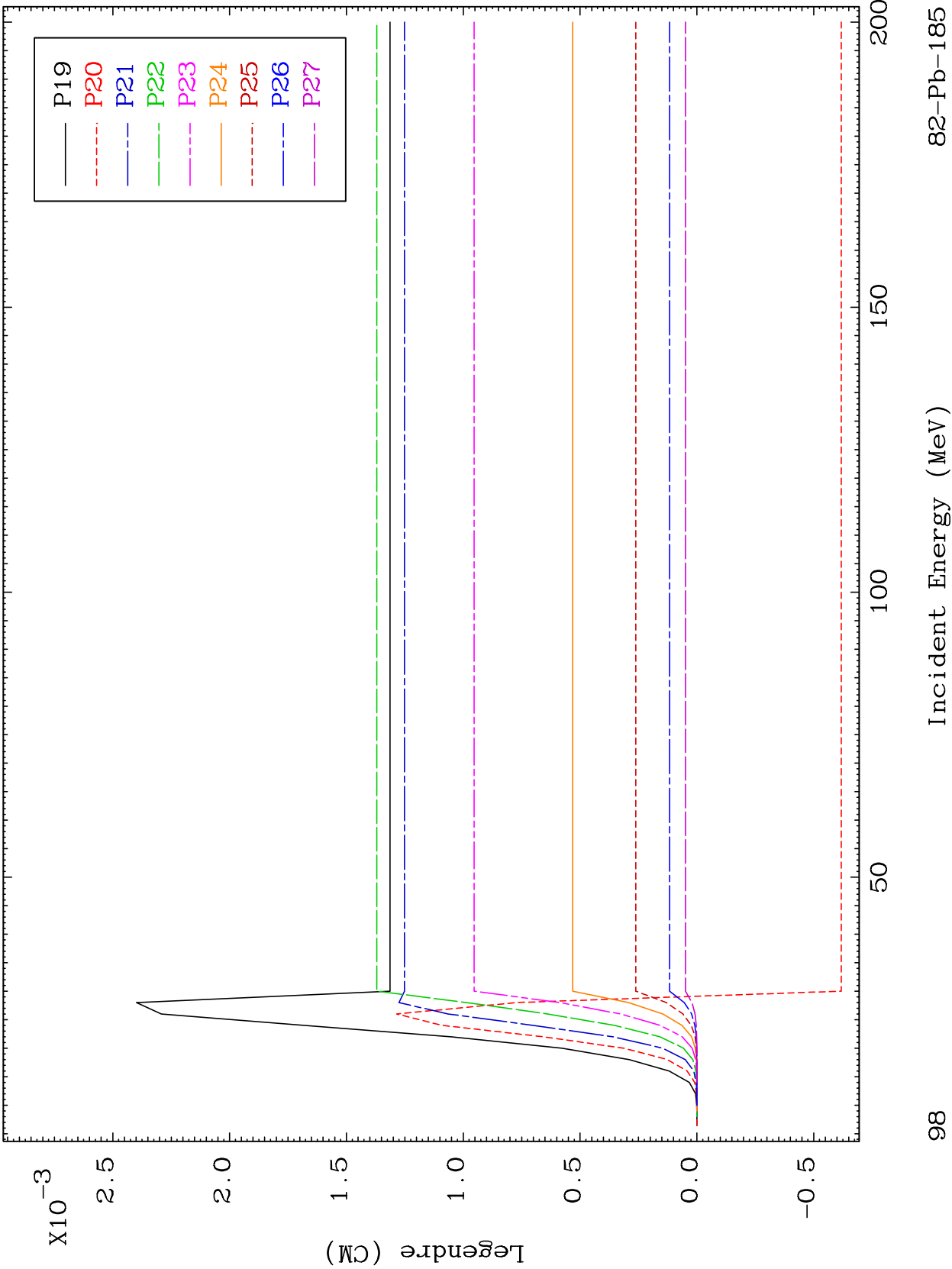
82-Pb-185



MAT 8168

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

82-Pb-185



98

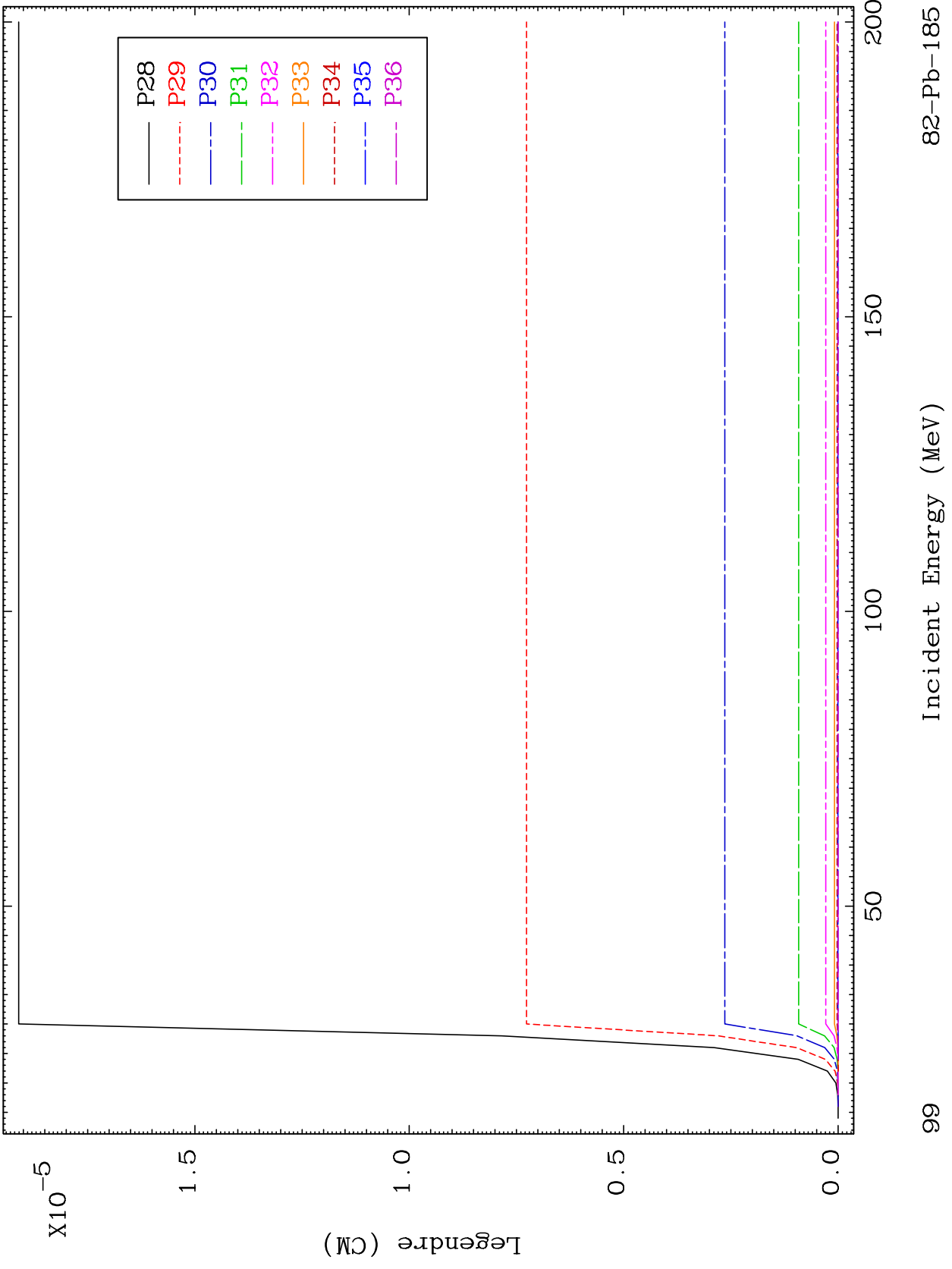
Incident Energy (MeV)

82-Pb-185

MAT 8168

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

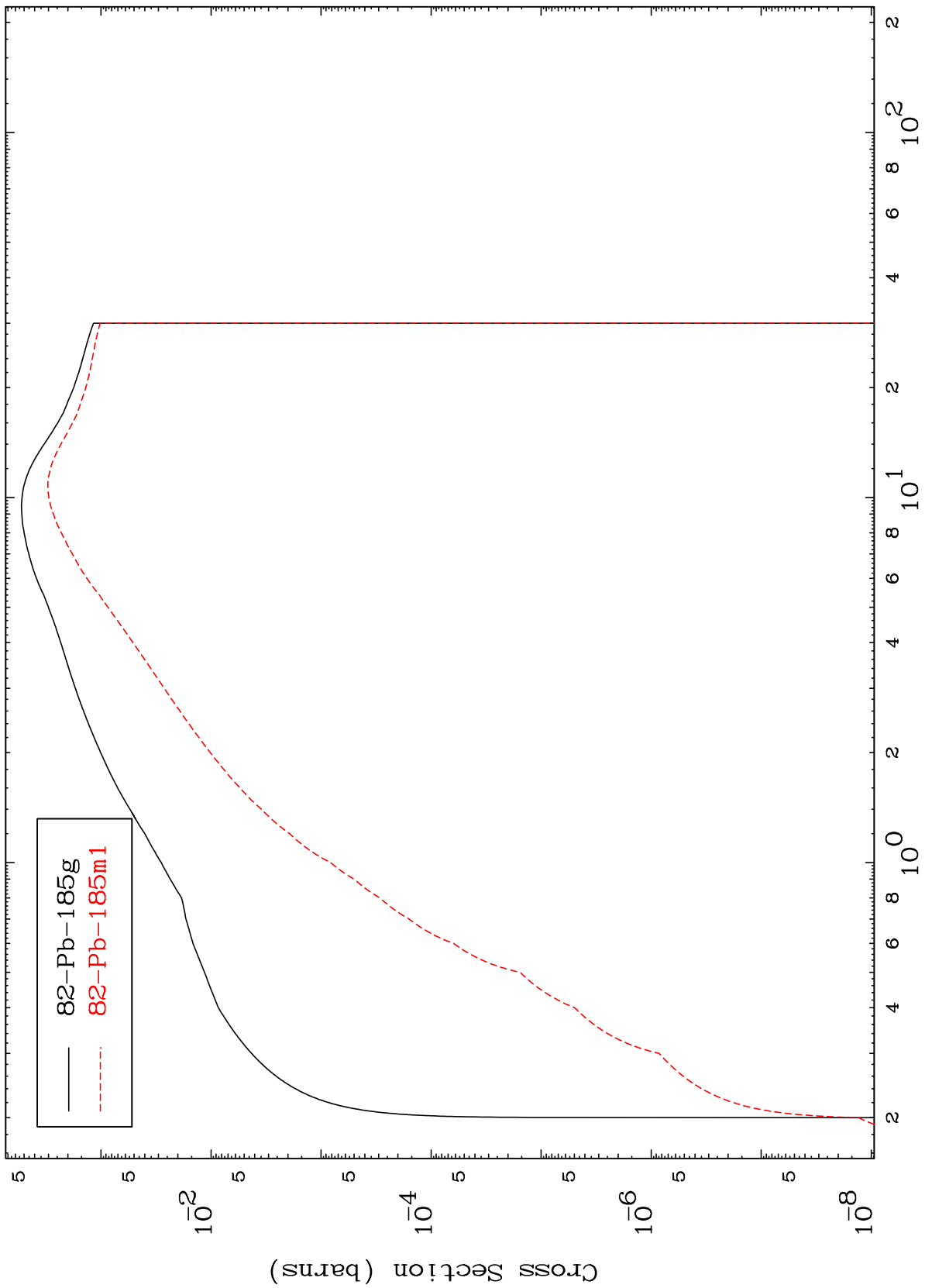
82-Pb-185



MAT 8168

82-Pb-185

Inelastic
Radionuclide Production Cross Section



82-Pb-185g
82-Pb-185m1

82-Pb-185

Incident Energy (MeV)

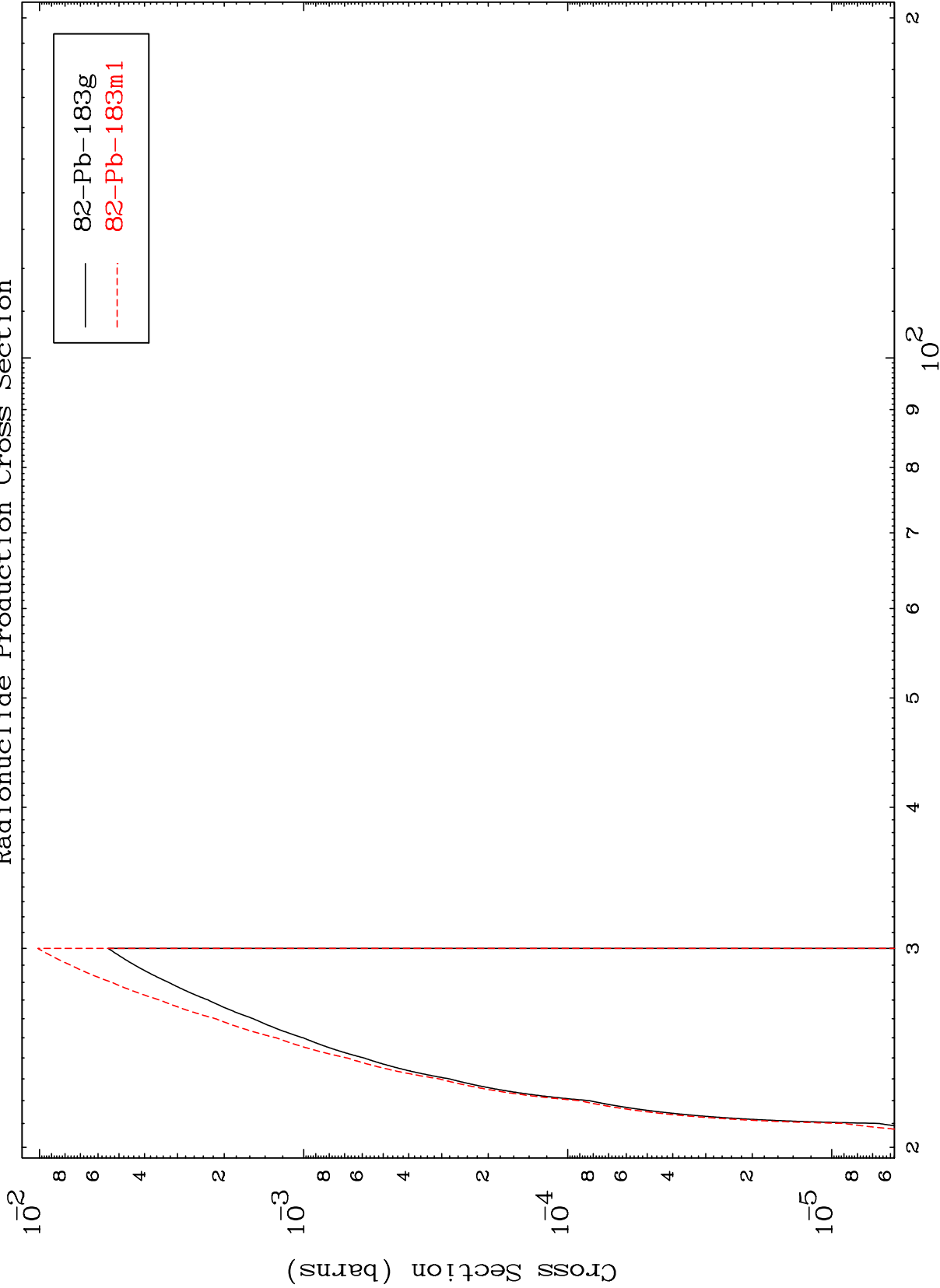
100

MAT 8168

(n,3n)

82-Pb-185

Radionuclide Production Cross Section



101

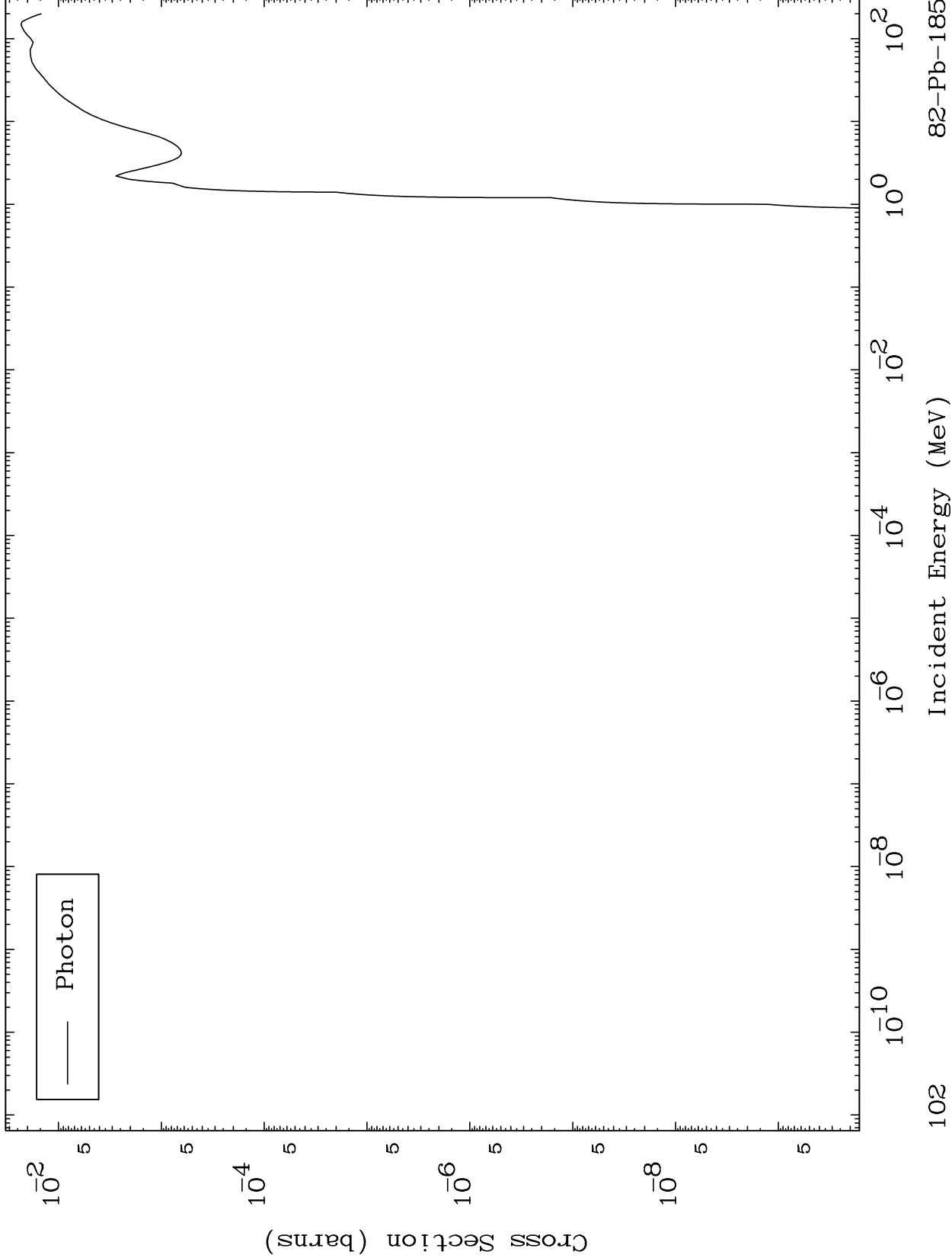
Incident Energy (MeV)

82-Pb-185

MAT 8168

Fission
Radionuclide Production Cross Section

82-Pb-185



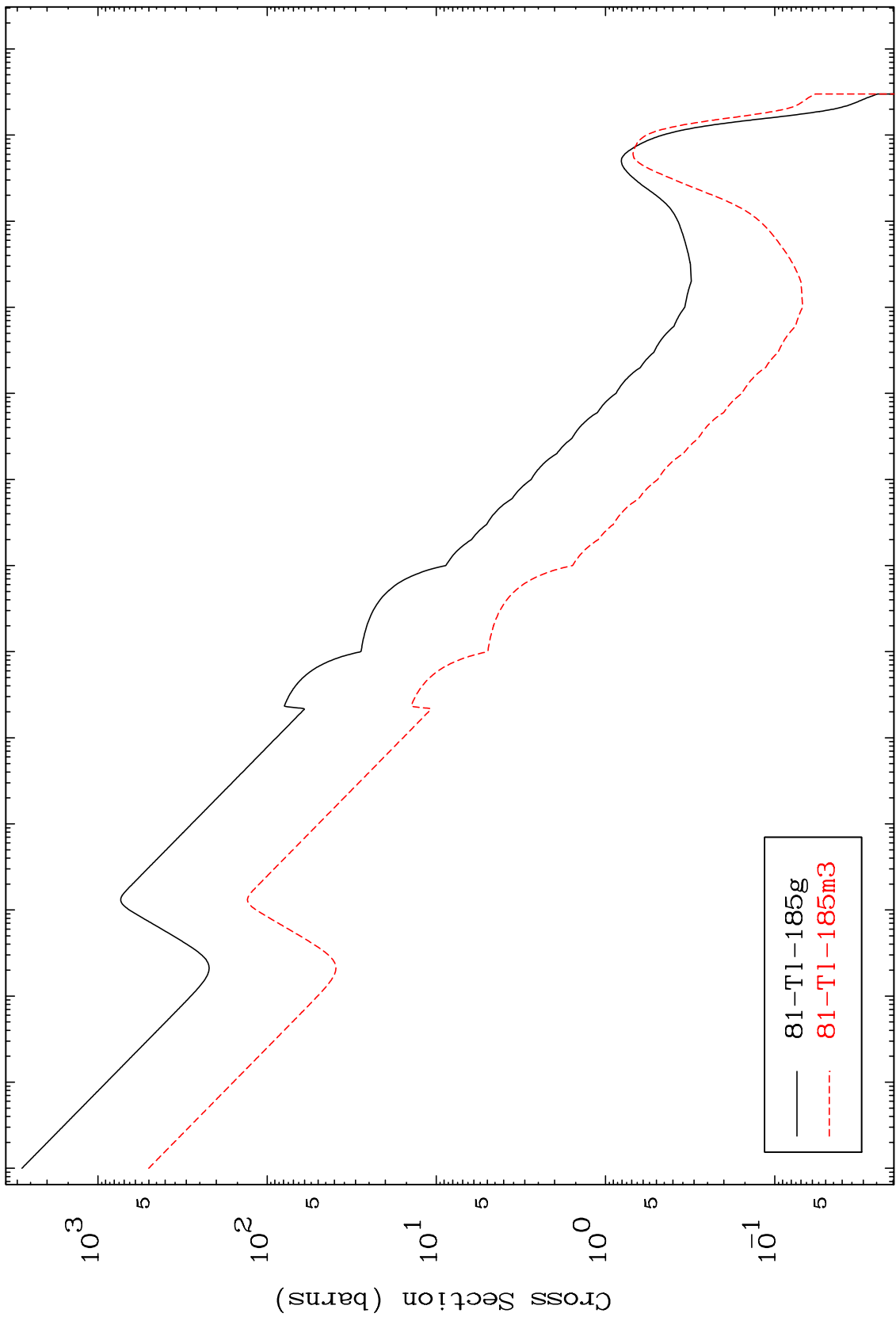
102

82-Pb-185

MAT 8168

82-Pb-185

(n,p)
Radionuclide Production Cross Section



82-Pb-185

10³

10²

10¹

10⁰

10⁻¹

10⁻²

10⁻³

Incident Energy (MeV)

82-Pb-185

103