

Program EVALPLOT
(Version 2021-1)

by

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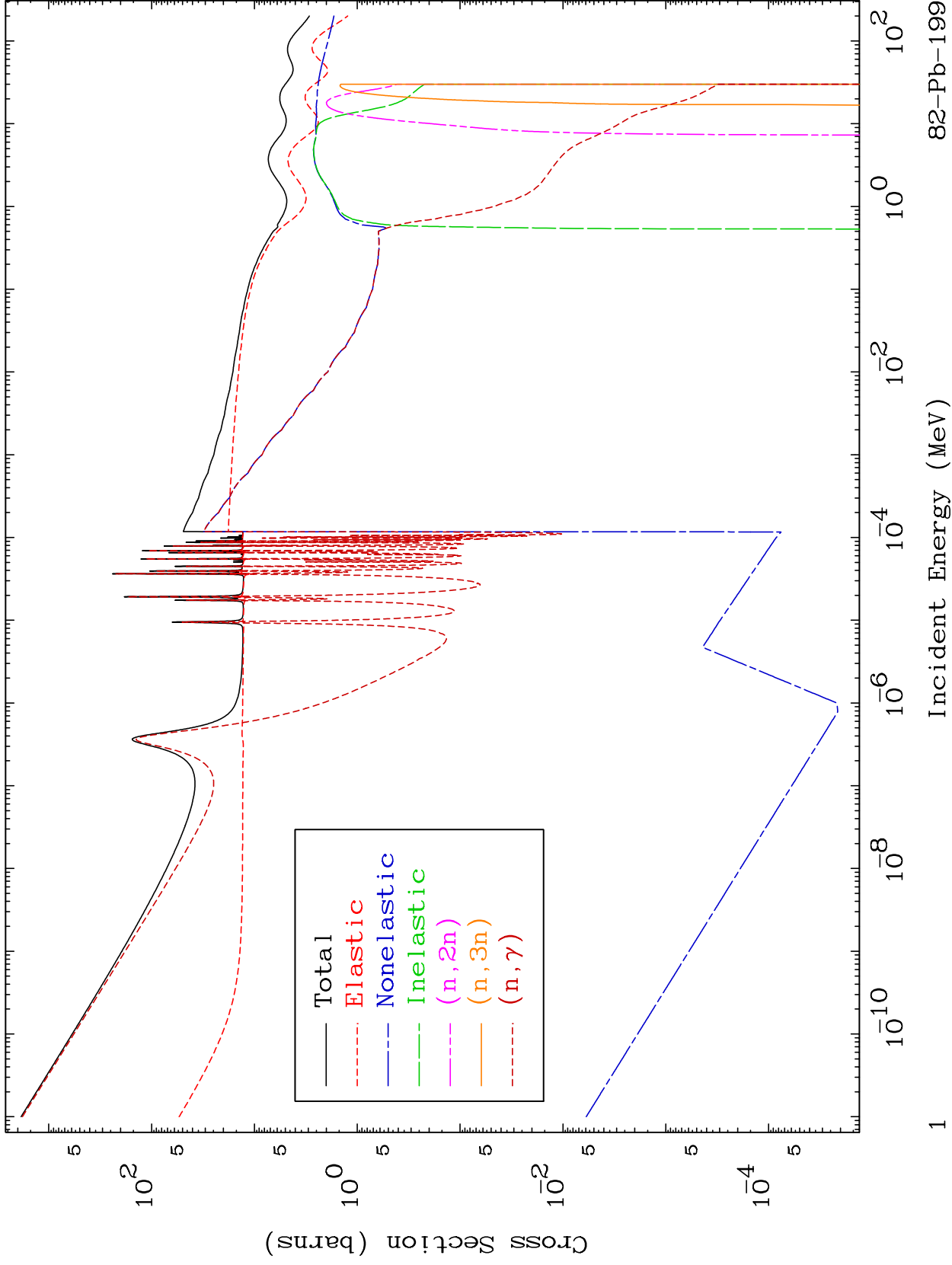
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8210

Neutron Major
293 Kelvin Cross Sections

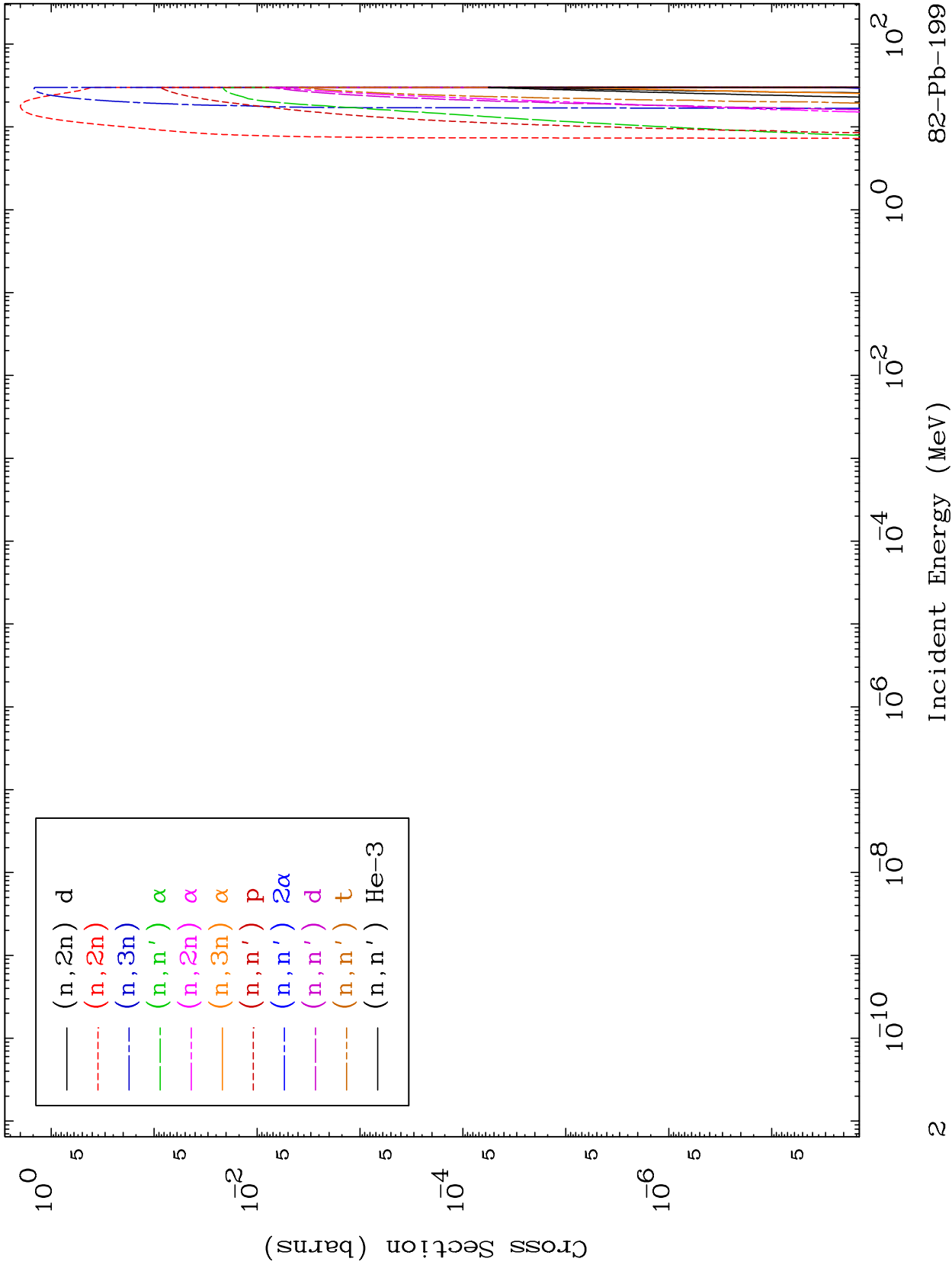
82-Pb-199



MAT 8210

Neutron Absorption
293 Kelvin Cross Sections

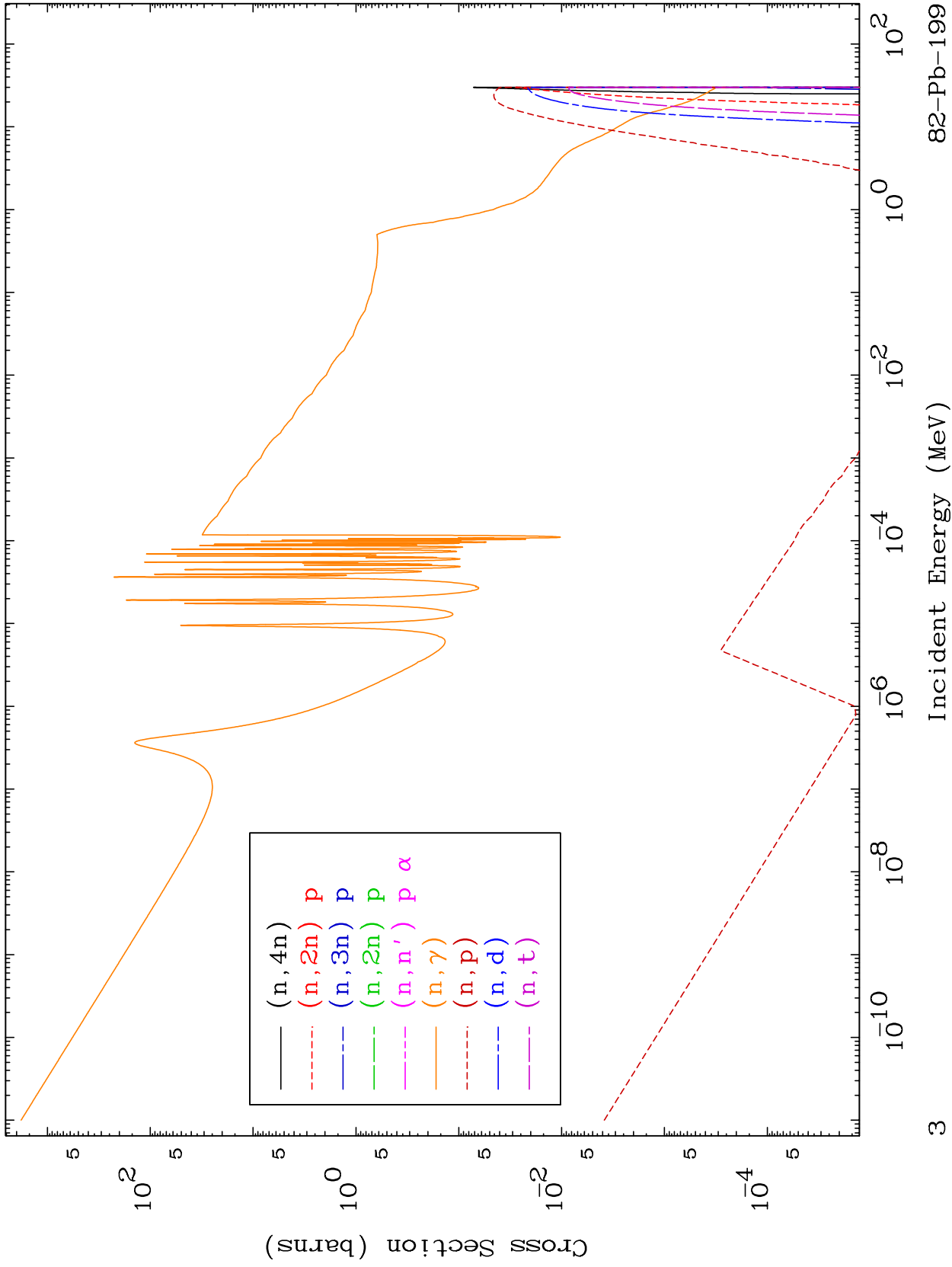
82-Pb-199



MAT 8210

Neutron Absorption
293 Kelvin Cross Sections

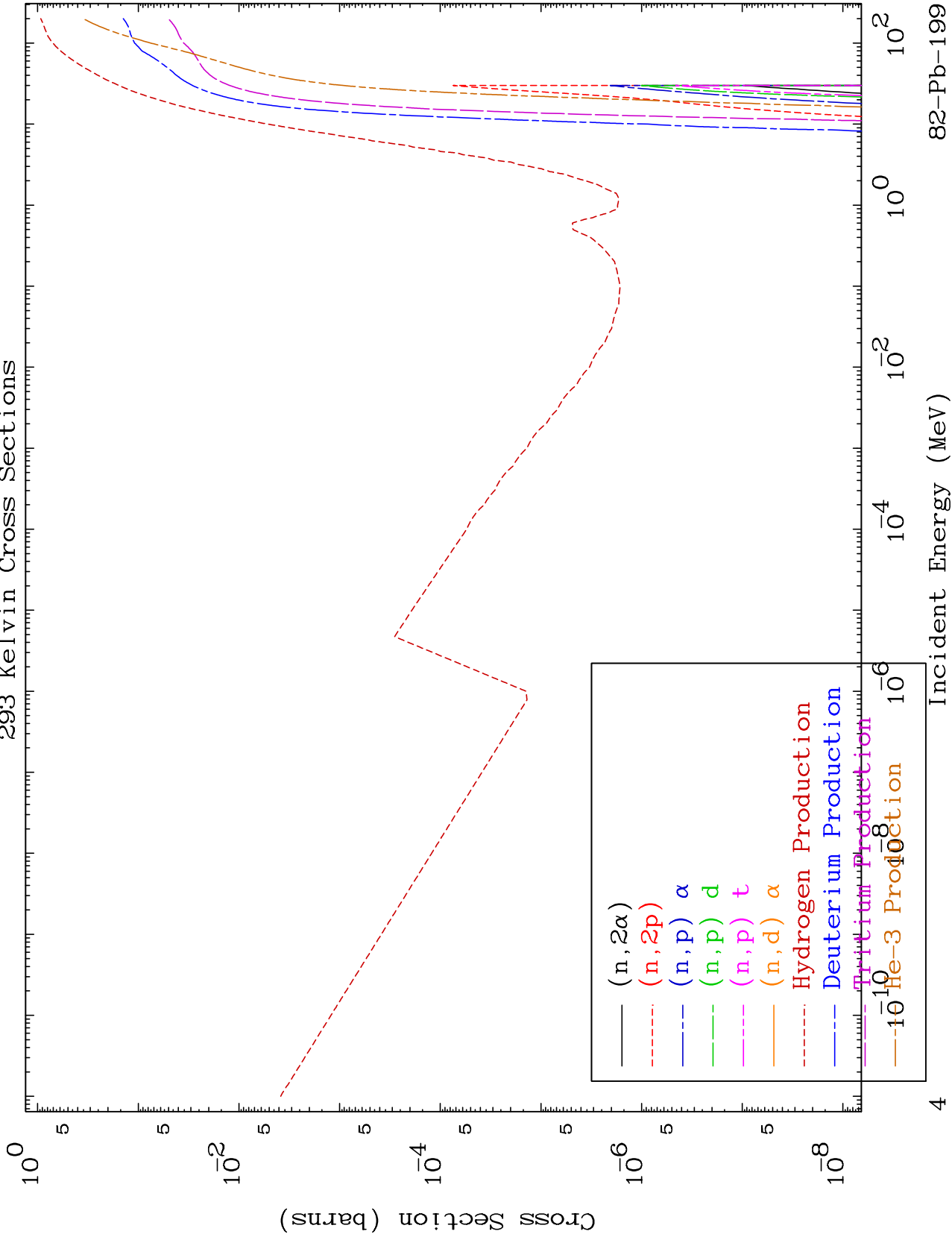
82-Pb-199



MAT 8210

Neutron Absorption
293 Kelvin Cross Sections

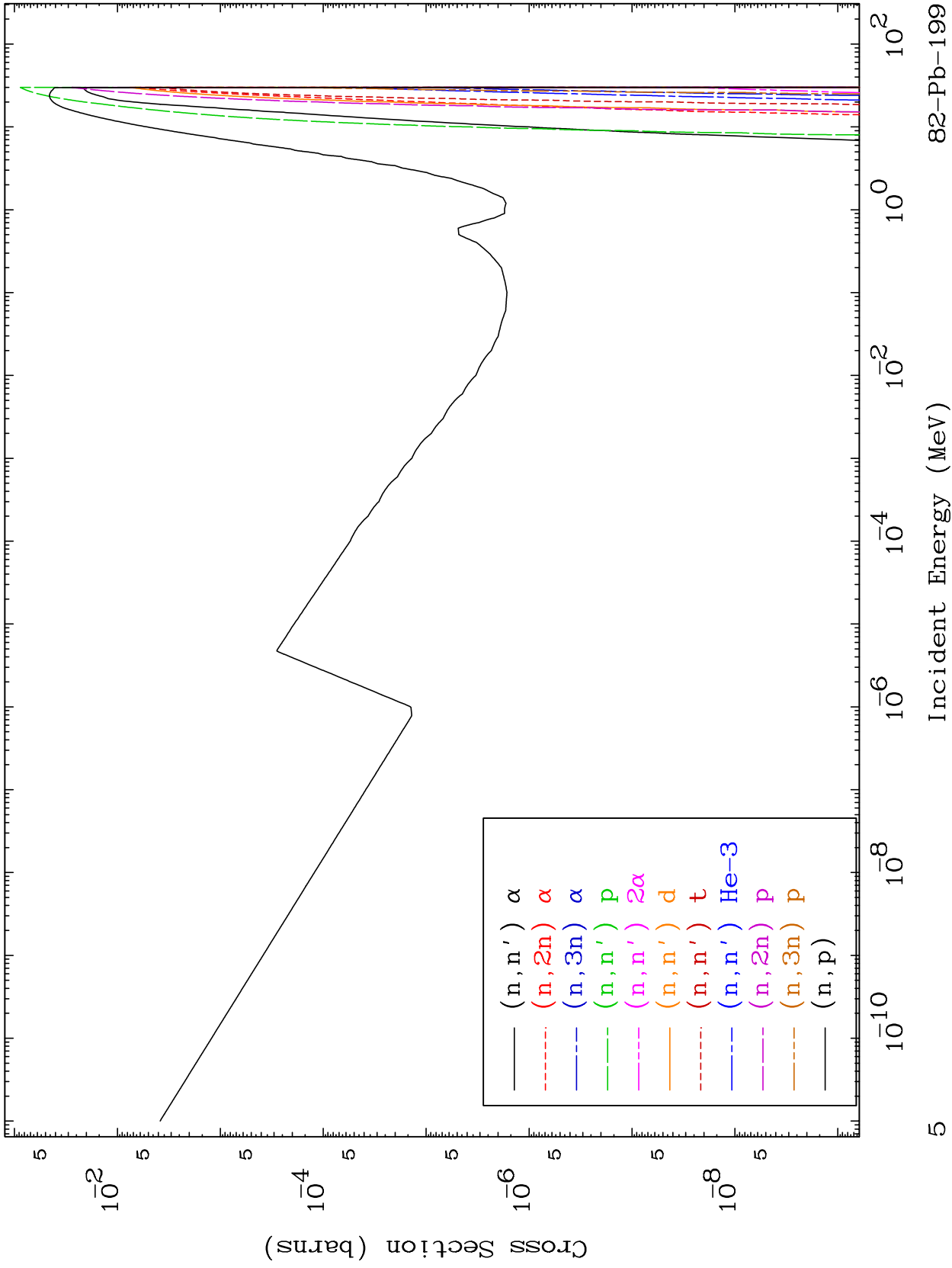
82-Pb-199



MAT 8210

Charged Particle
293 Kelvin Cross Sections

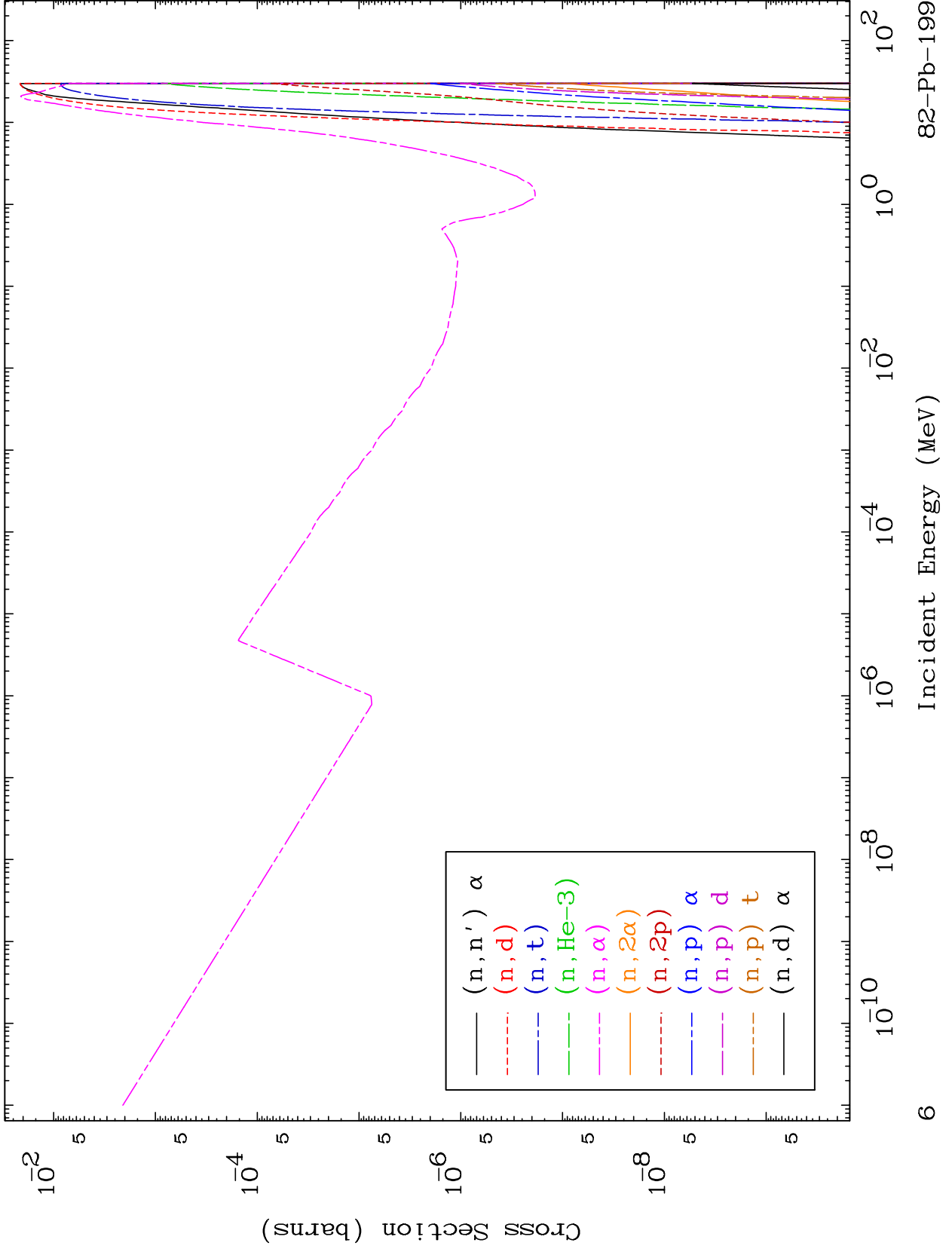
82-Pb-199



MAT 8210

Charged Particle
293 Kelvin Cross Sections

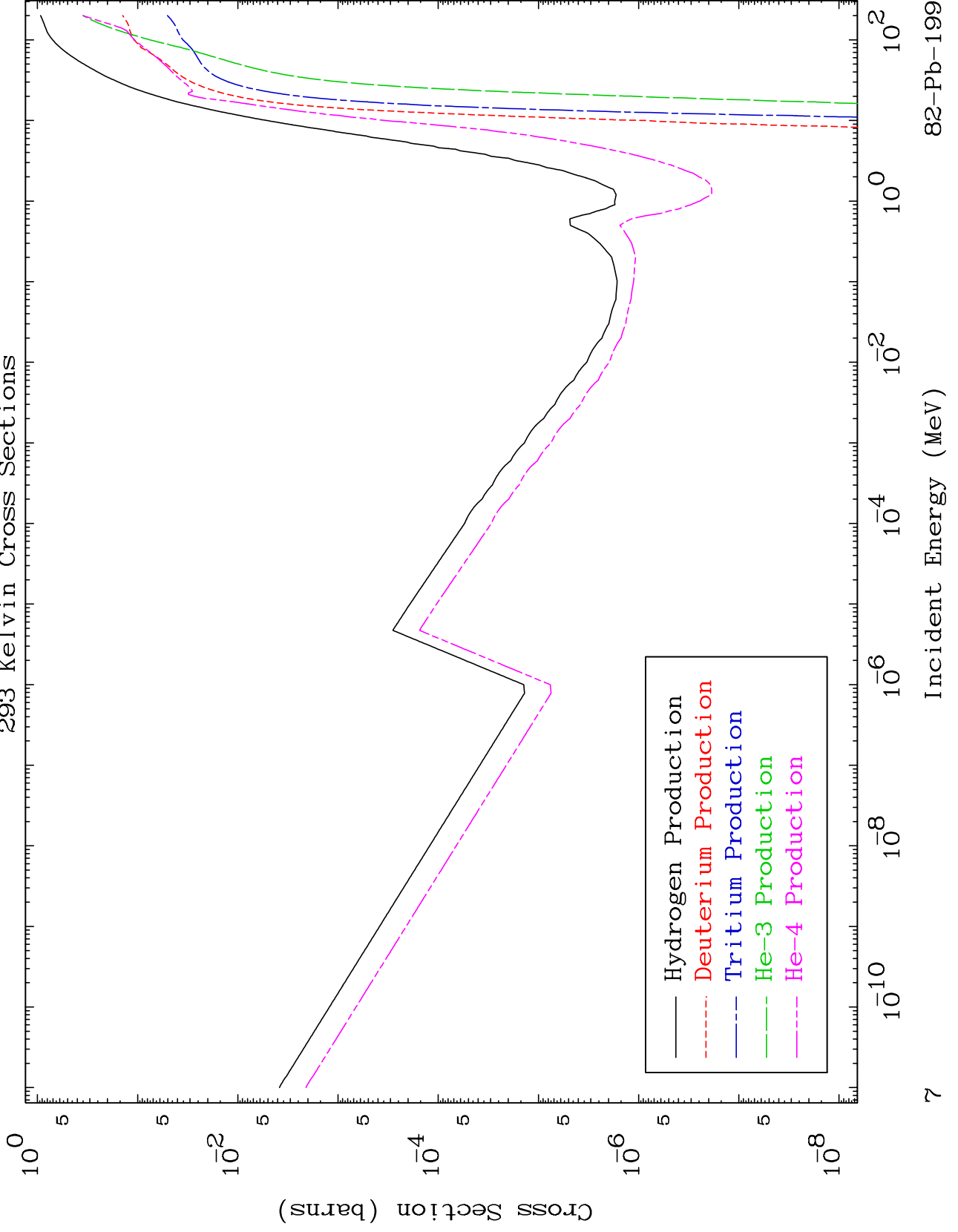
82-Pb-199



MAT 8210

Particle Production
293 Kelvin Cross Sections

82-Pb-199

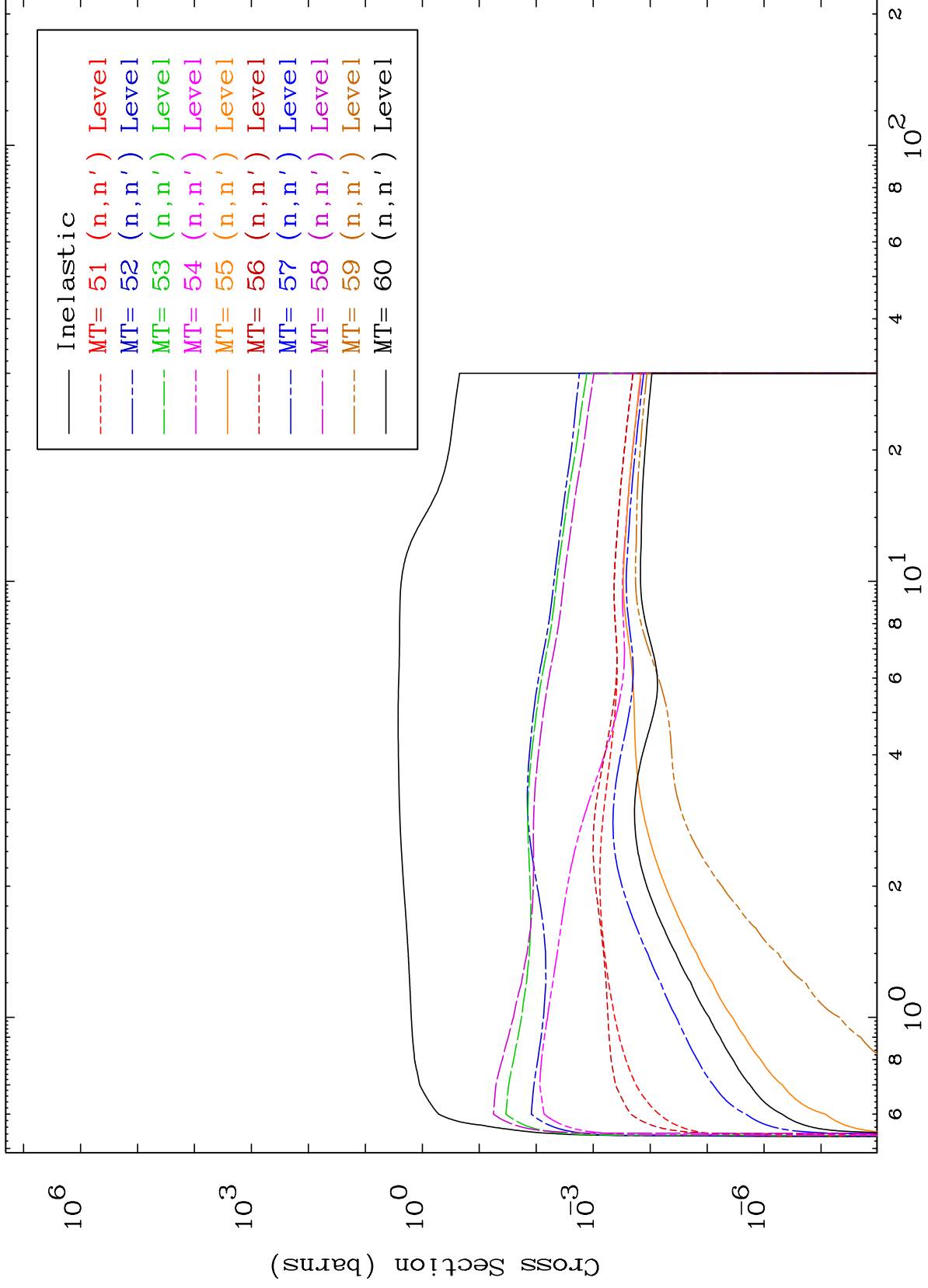


MAT 8210

(n,n') Levels

82-Pb-199

293 Kelvin Cross Sections



8

Incident Energy (MeV)

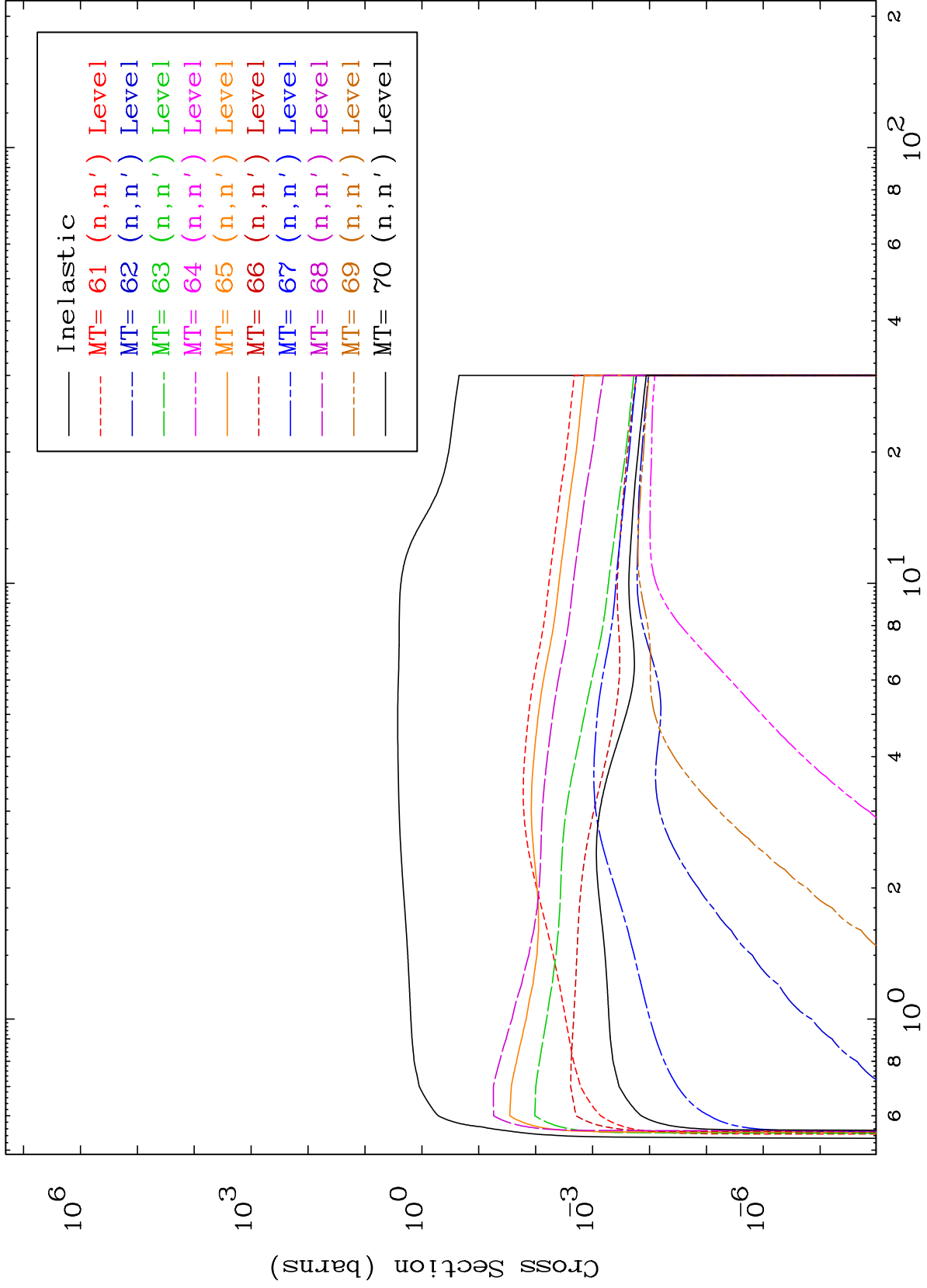
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MAT 8210

(n,n') Levels

82-Pb-199

293 Kelvin Cross Sections

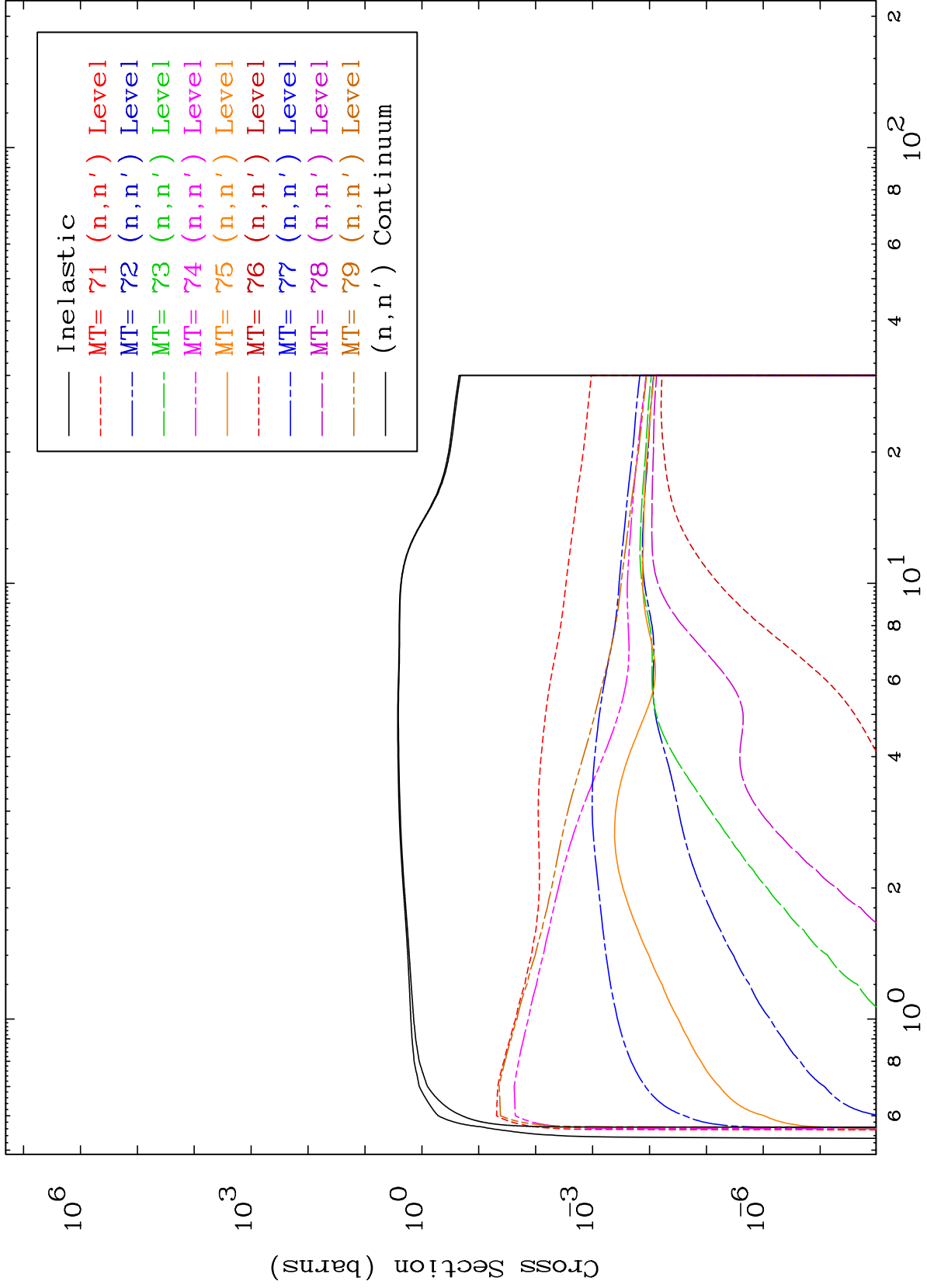


MAT 8210

(n,n') Levels

82-Pb-199

293 Kelvin Cross Sections



10

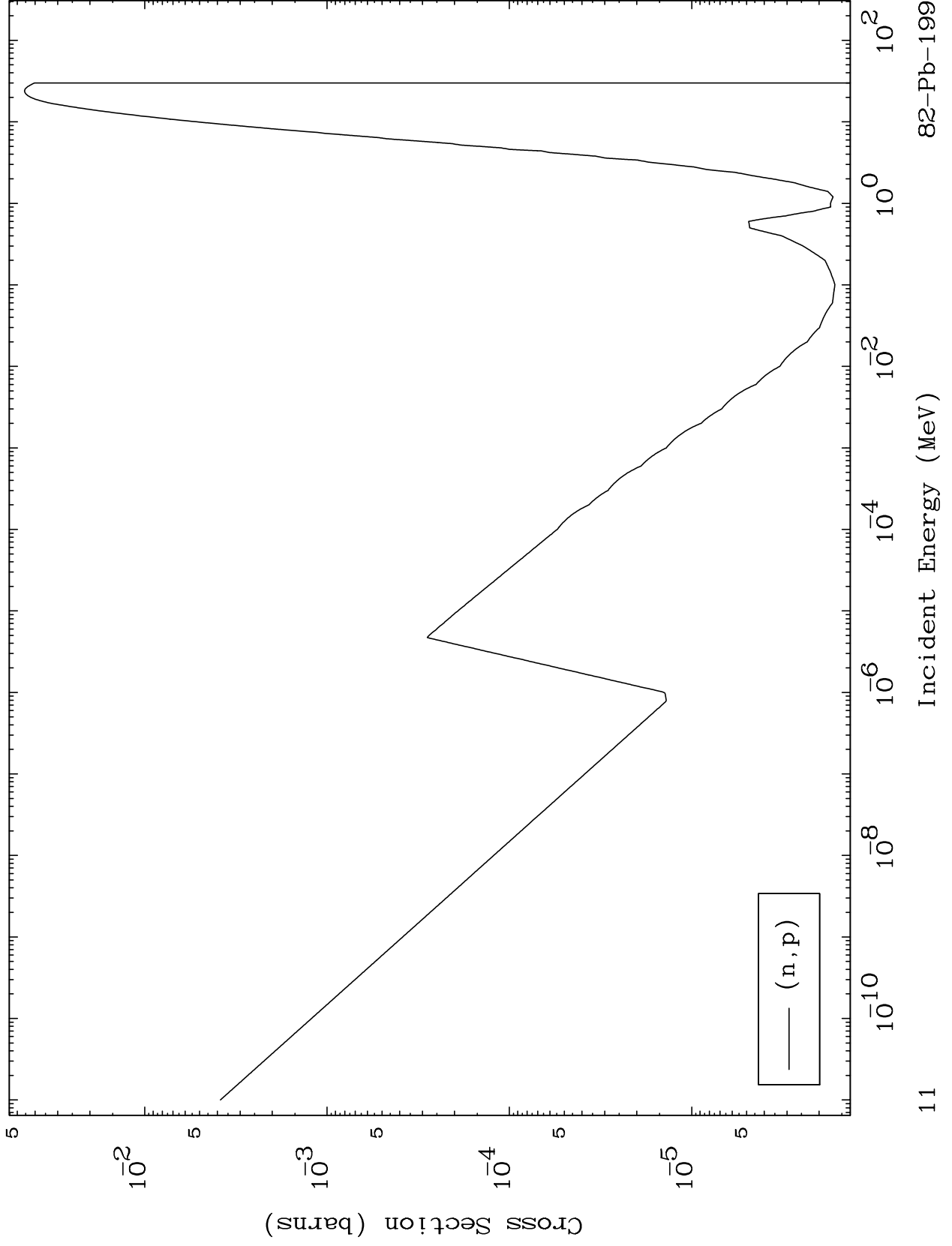
Incident Energy (MeV)

82-Pb-199

MAT 8210

(n,p) Levels
293 Kelvin Cross Sections

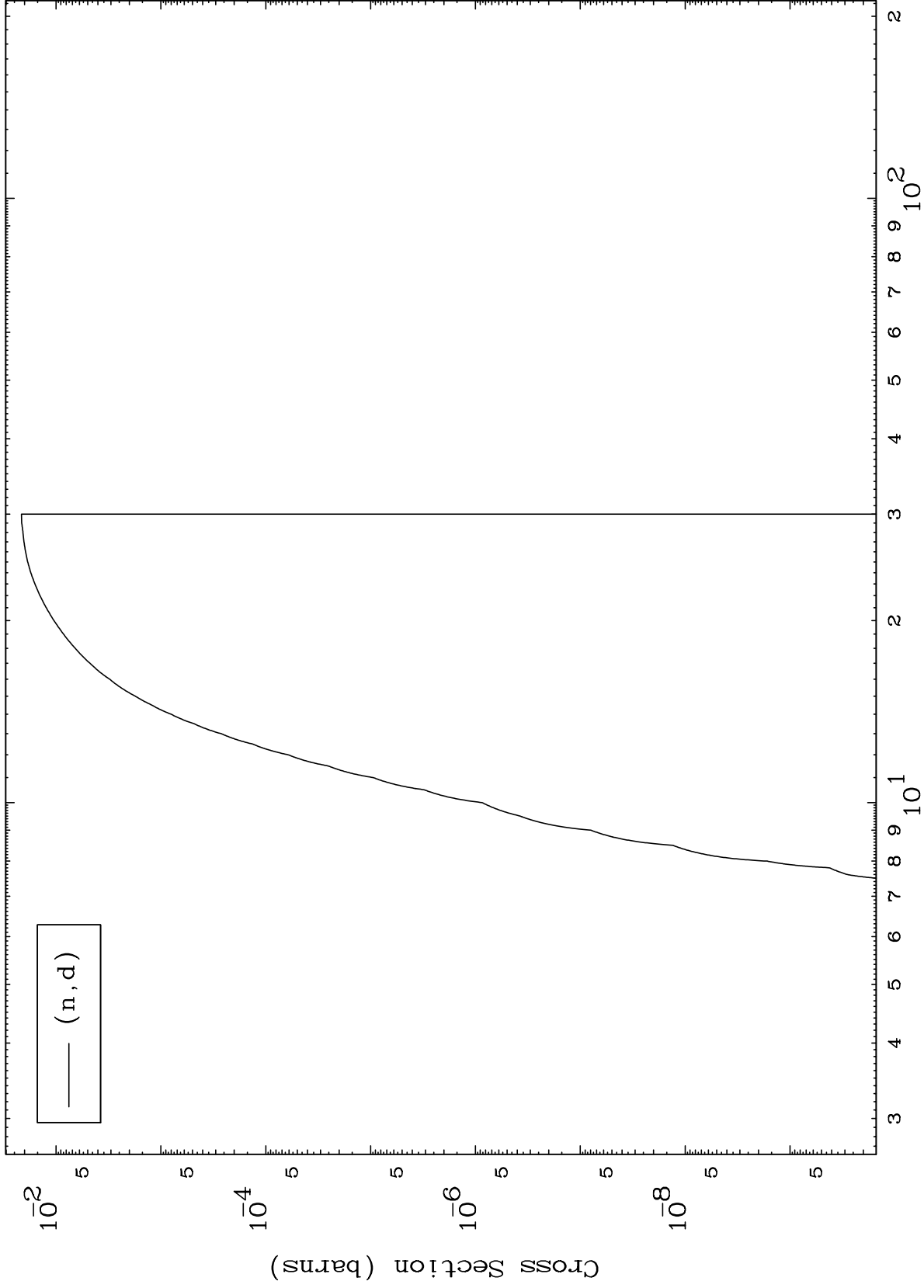
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MAT 8210

(n,d) Levels
293 Kelvin Cross Sections

82-Pb-199



12

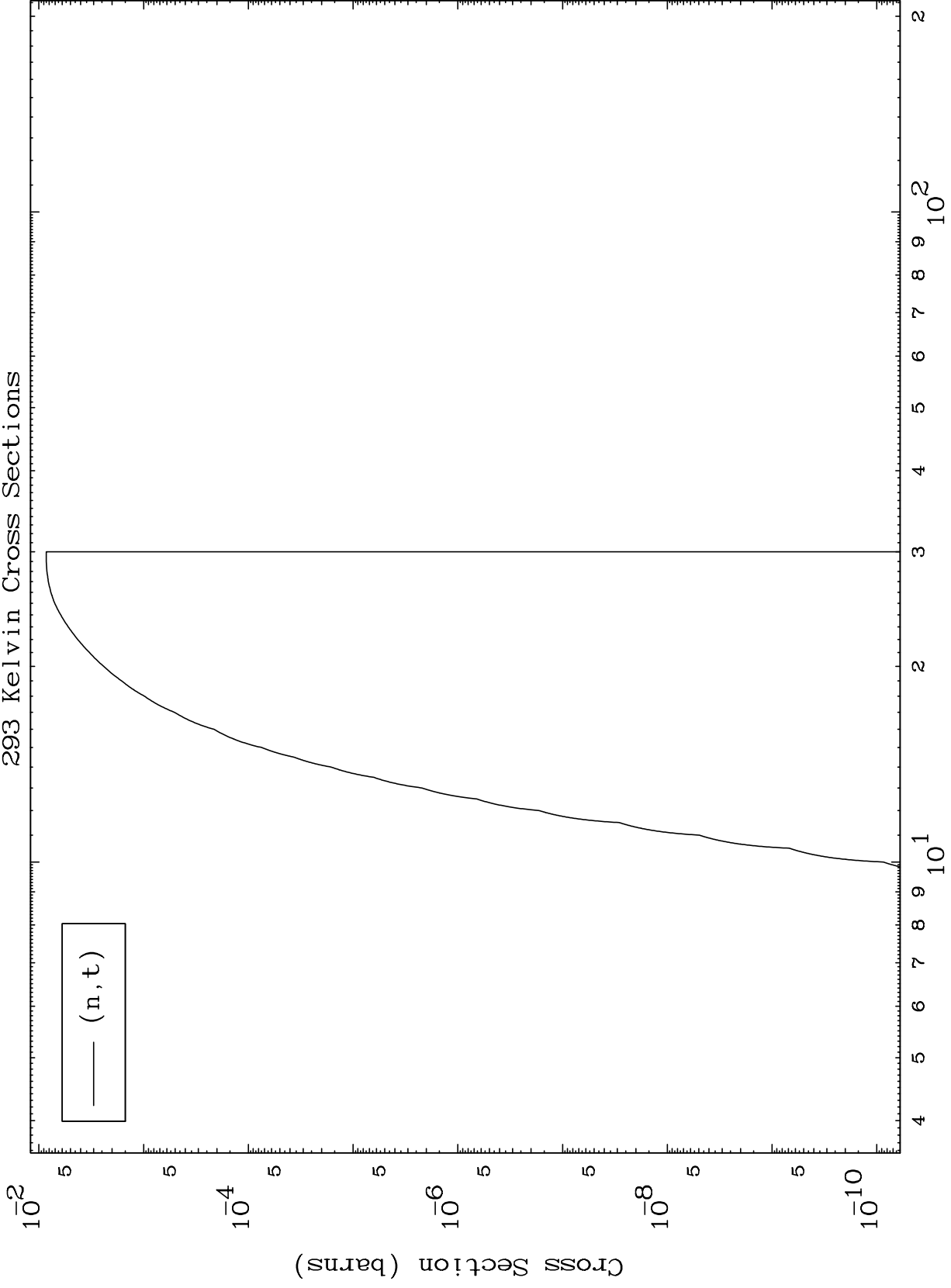
Incident Energy (MeV)

82-Pb-199

MAT 8210

(n,t) Levels
293 Kelvin Cross Sections

82-Pb-199



13

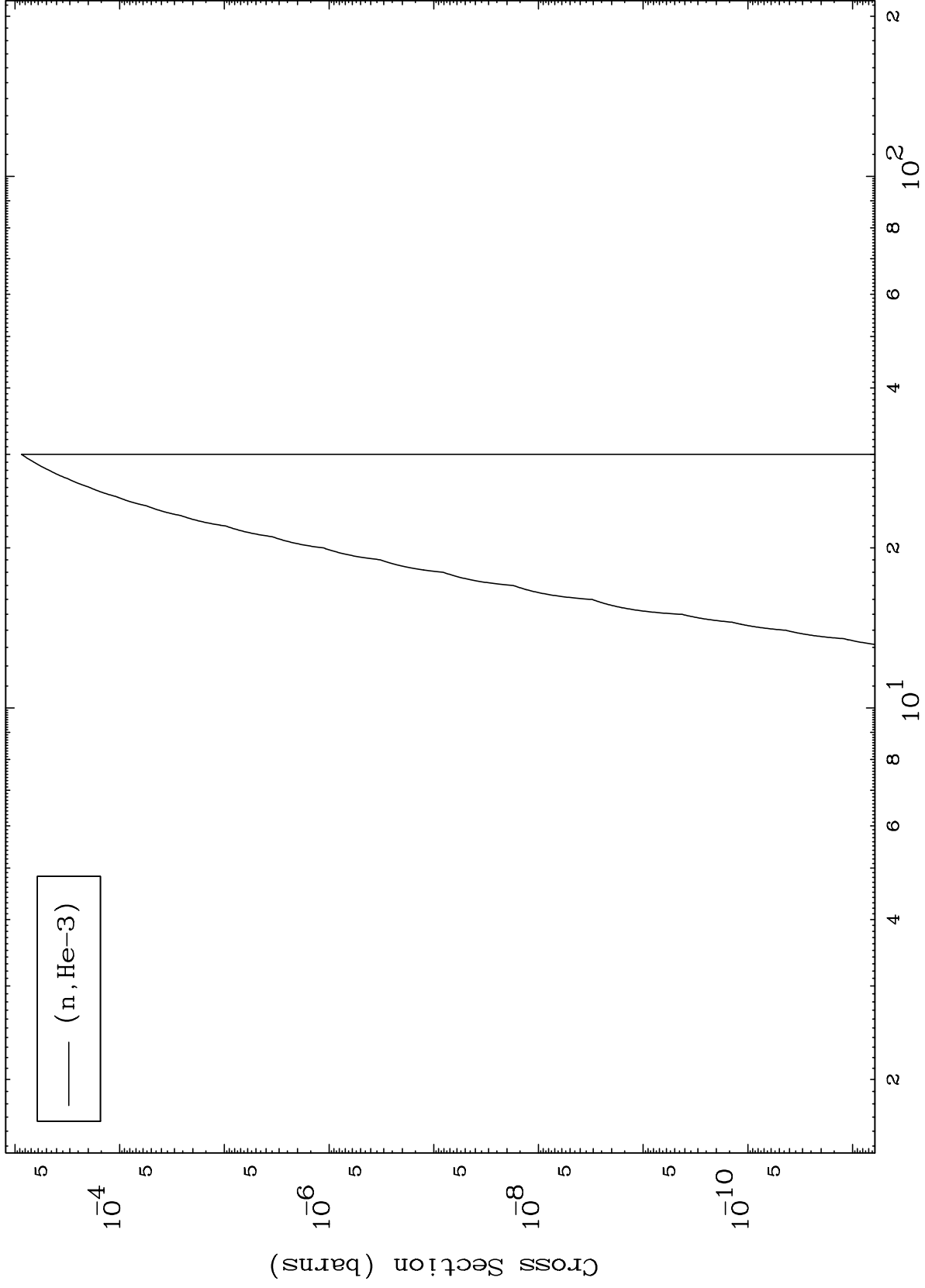
Incident Energy (MeV)

82-Pb-199

MAT 8210

(n,He3) Levels
293 Kelvin Cross Sections

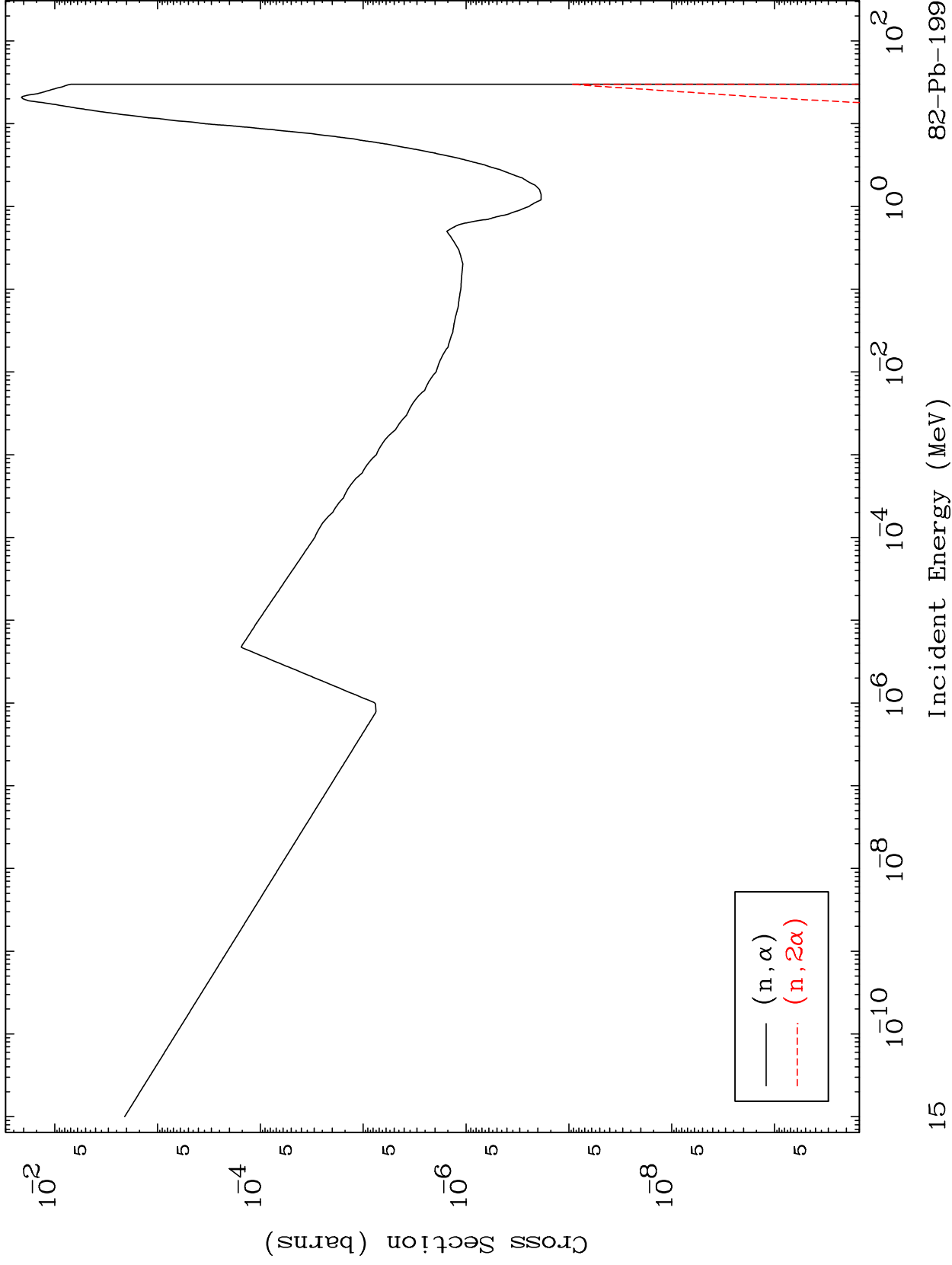
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MAT 8210

(n,α) Levels
293 Kelvin Cross Sections

82-Pb-199

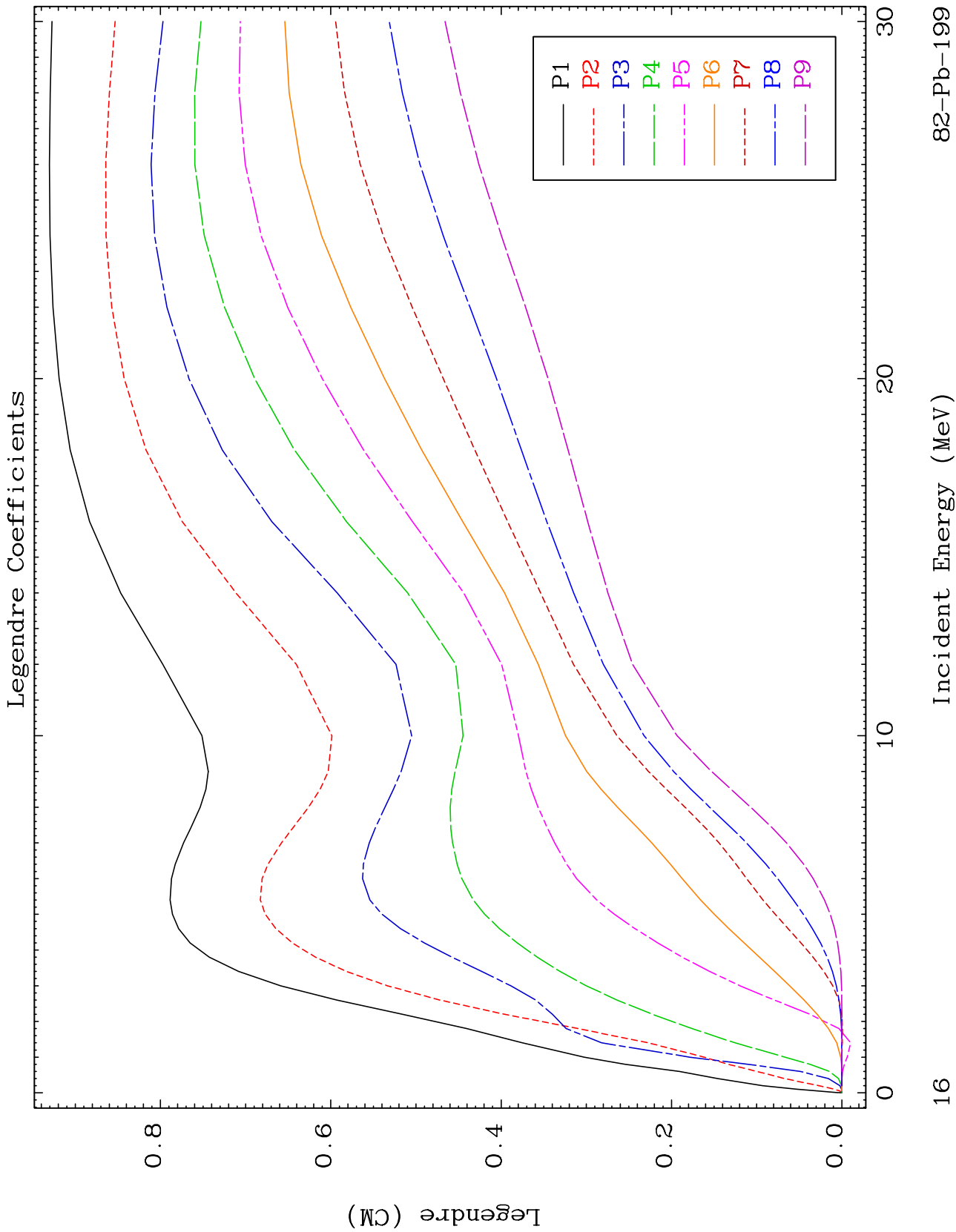


15

MAT 8210

Elastic Legendre Coefficients

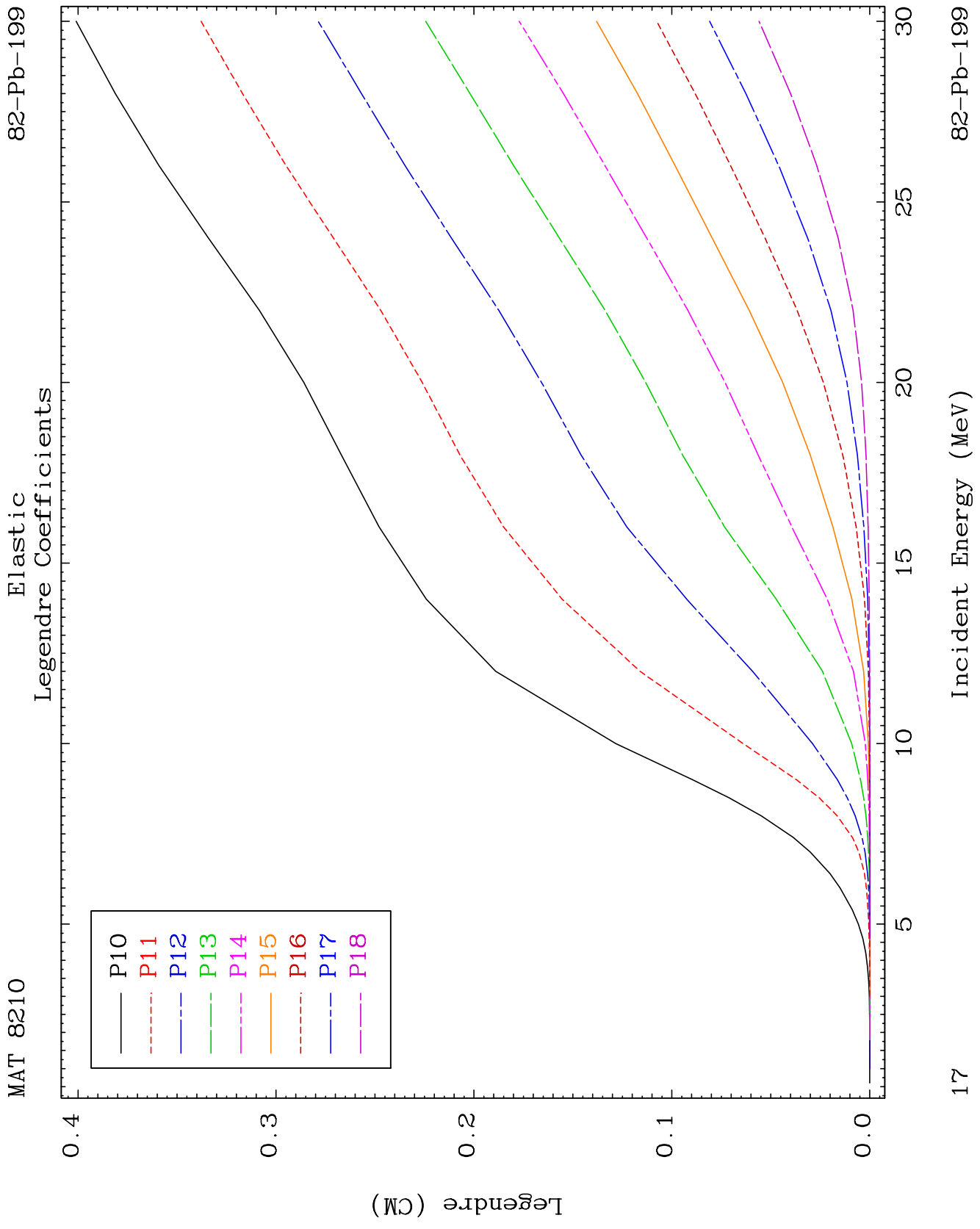
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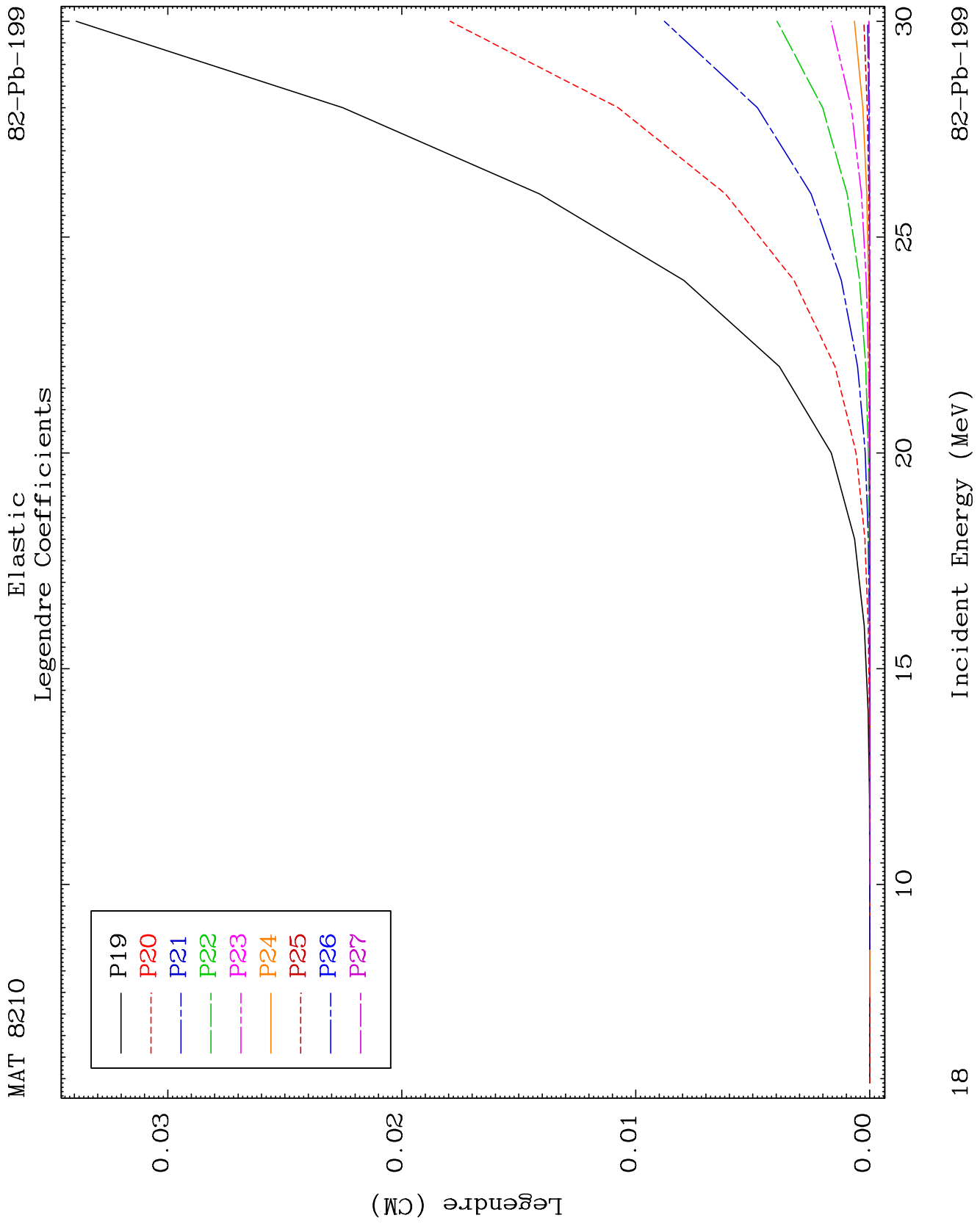


16

Incident Energy (MeV)

82-Pb-199

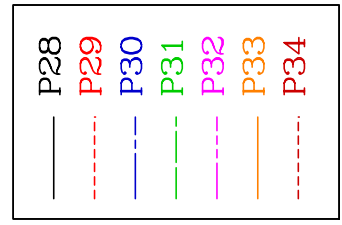




MAT 8210

Elastic Legendre Coefficients

82-Pb-199



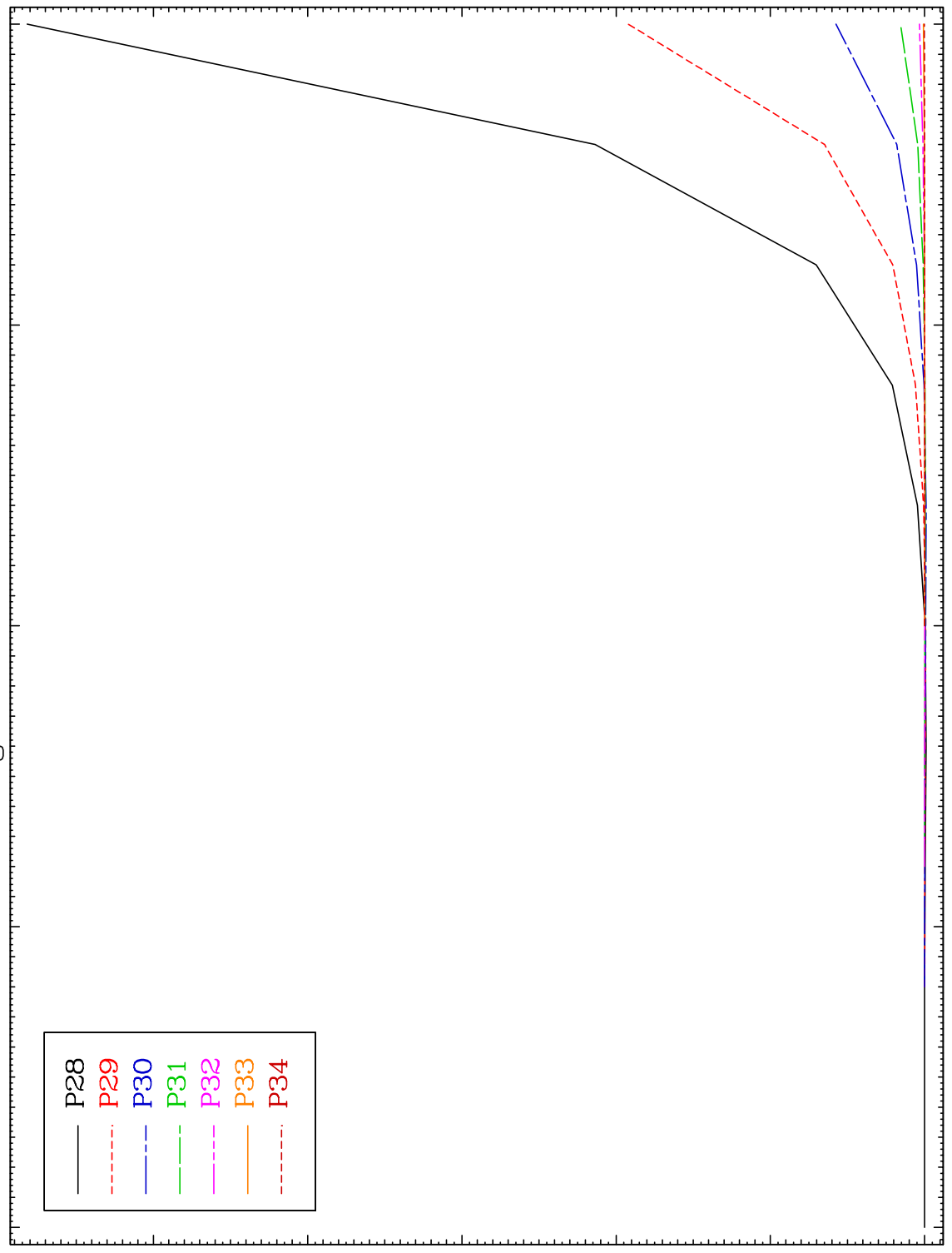
$\times 10^{-5}$
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0

10 15 20 25 30

19

Incident Energy (MeV)

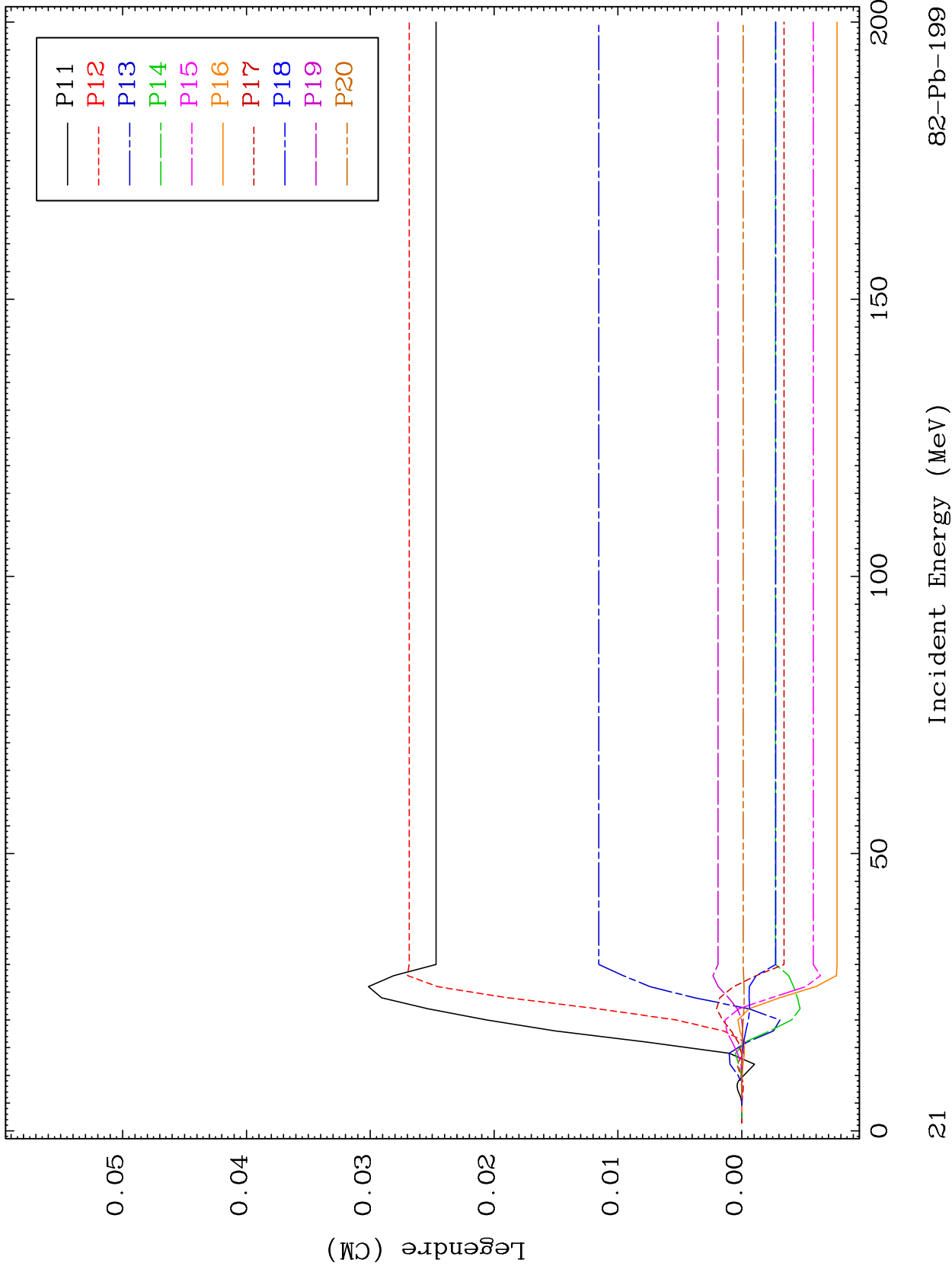
82-Pb-199



MAT 8210

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

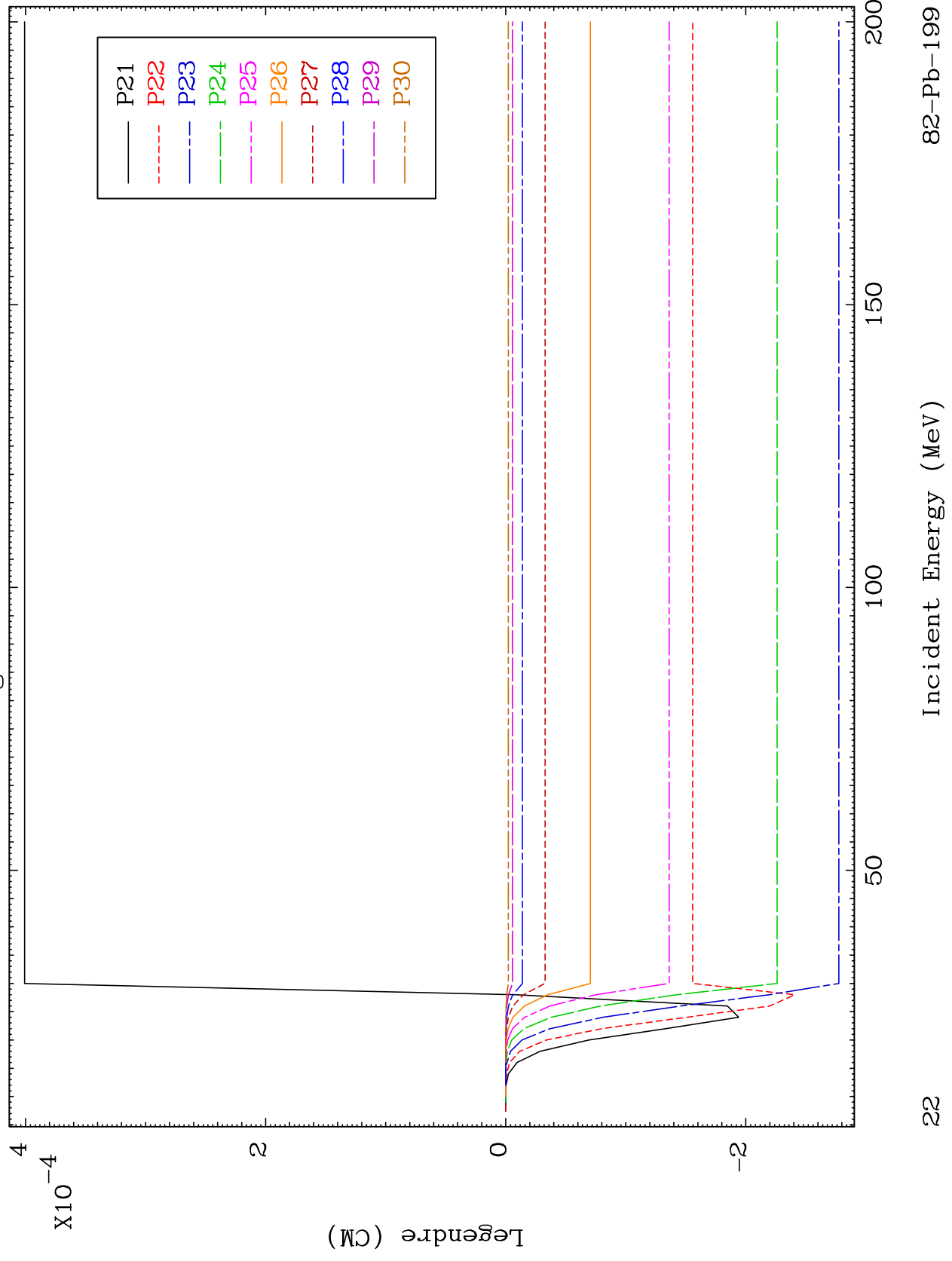
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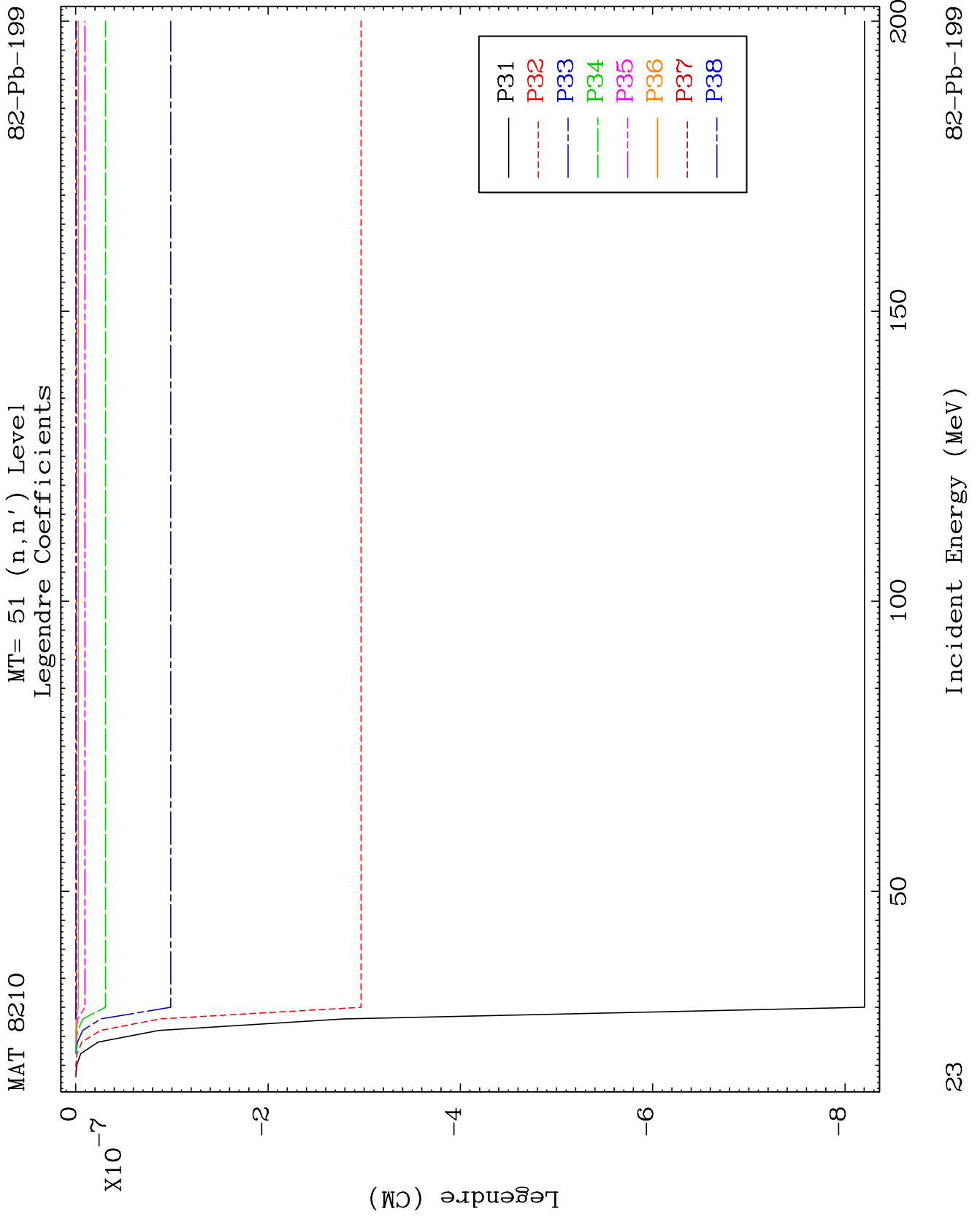


21

Incident Energy (MeV)

82-Pb-199

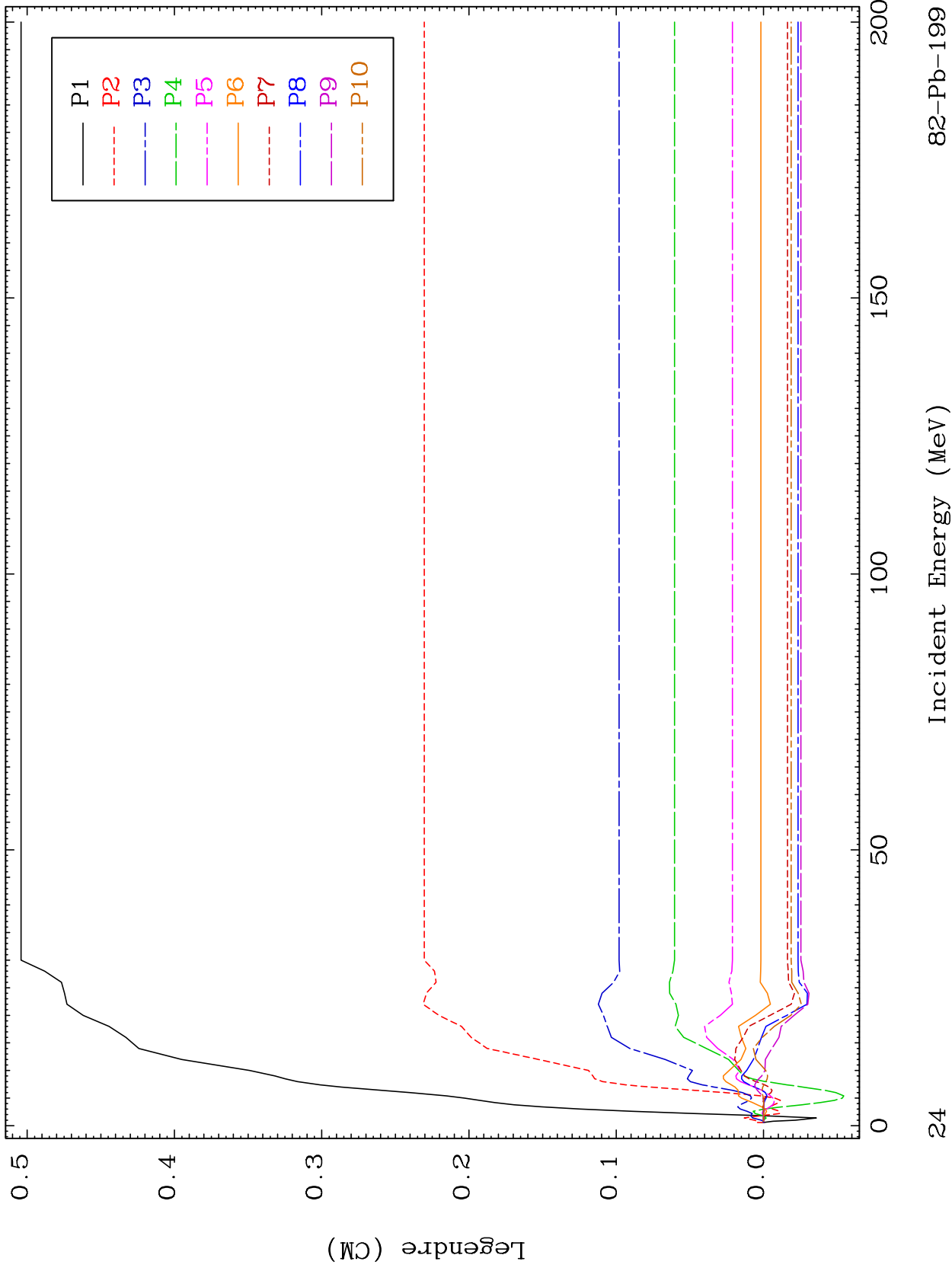




MAT 8210

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

82-Pb-199



24

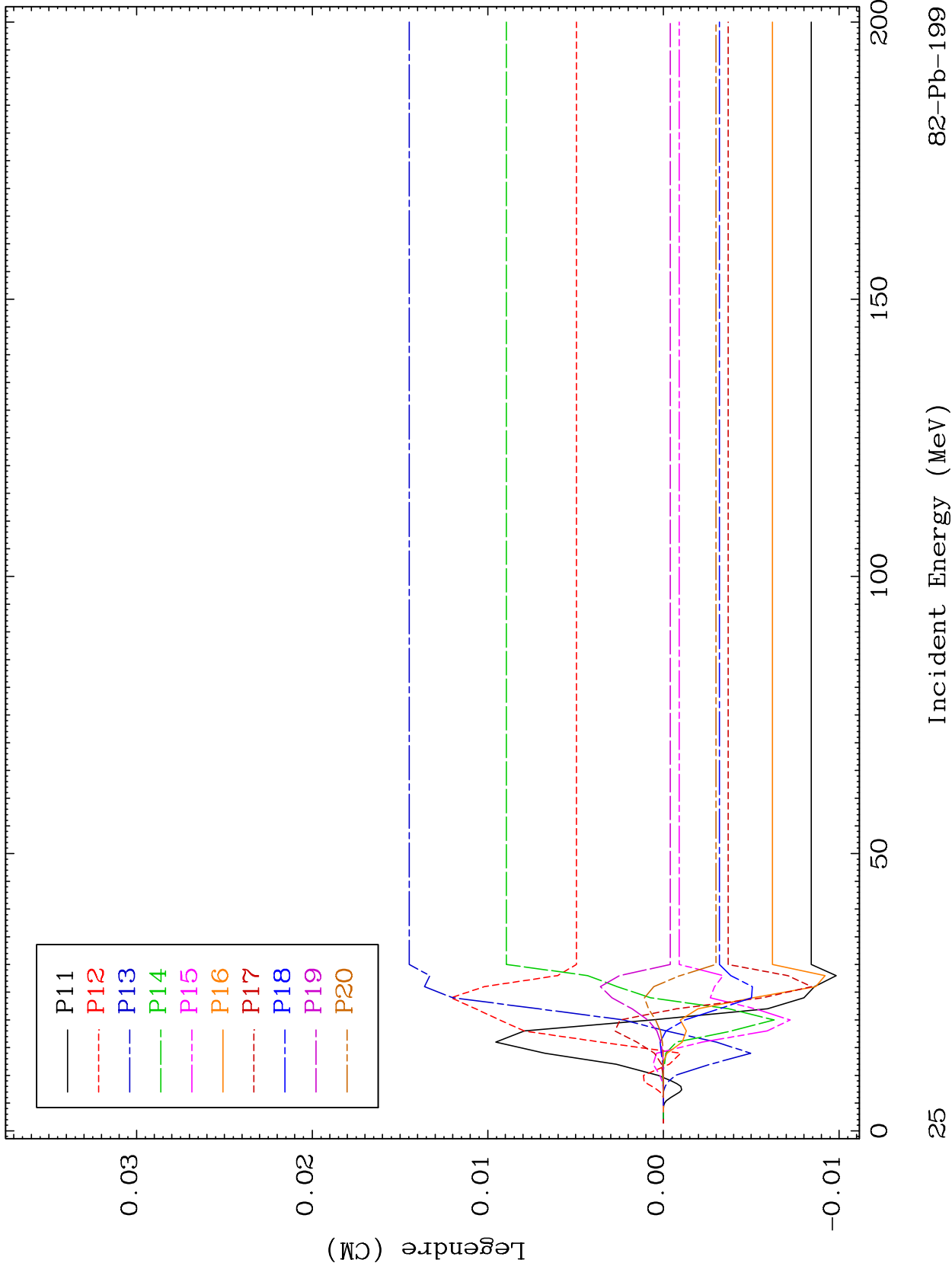
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



82-Pb-199

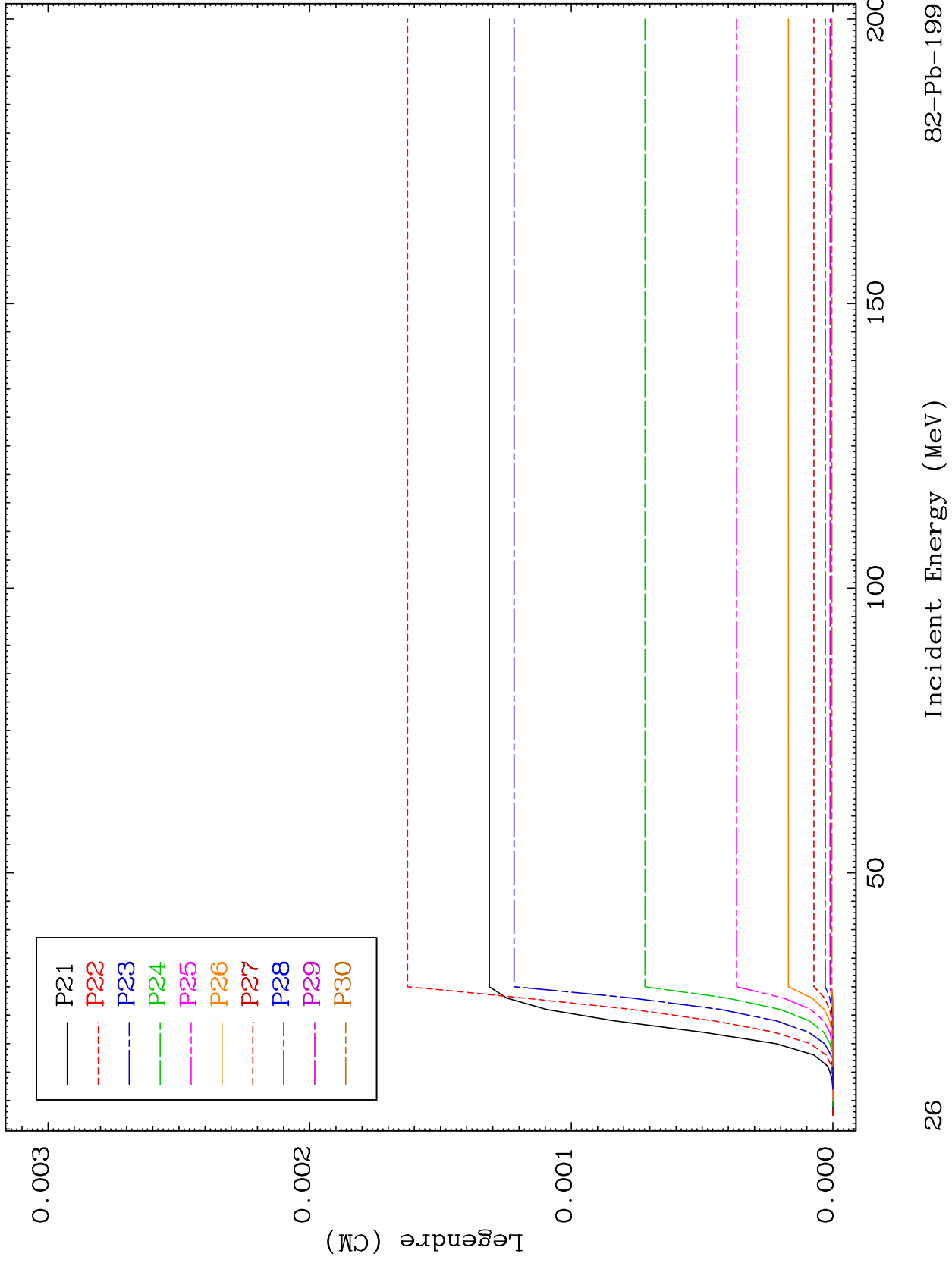
Incident Energy (MeV)

25

MAT 8210

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

82-Pb-199

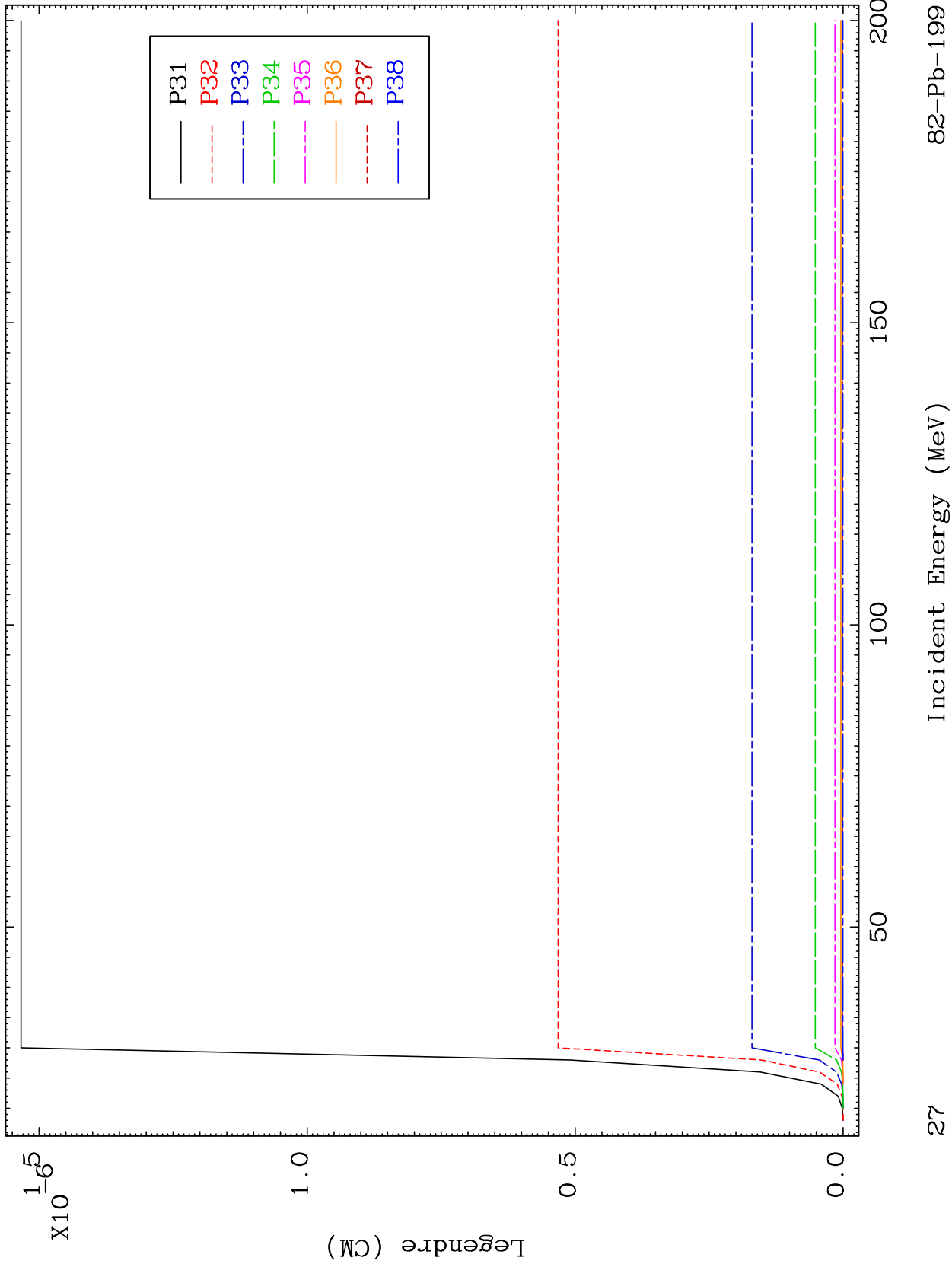


26

MAT 8210

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

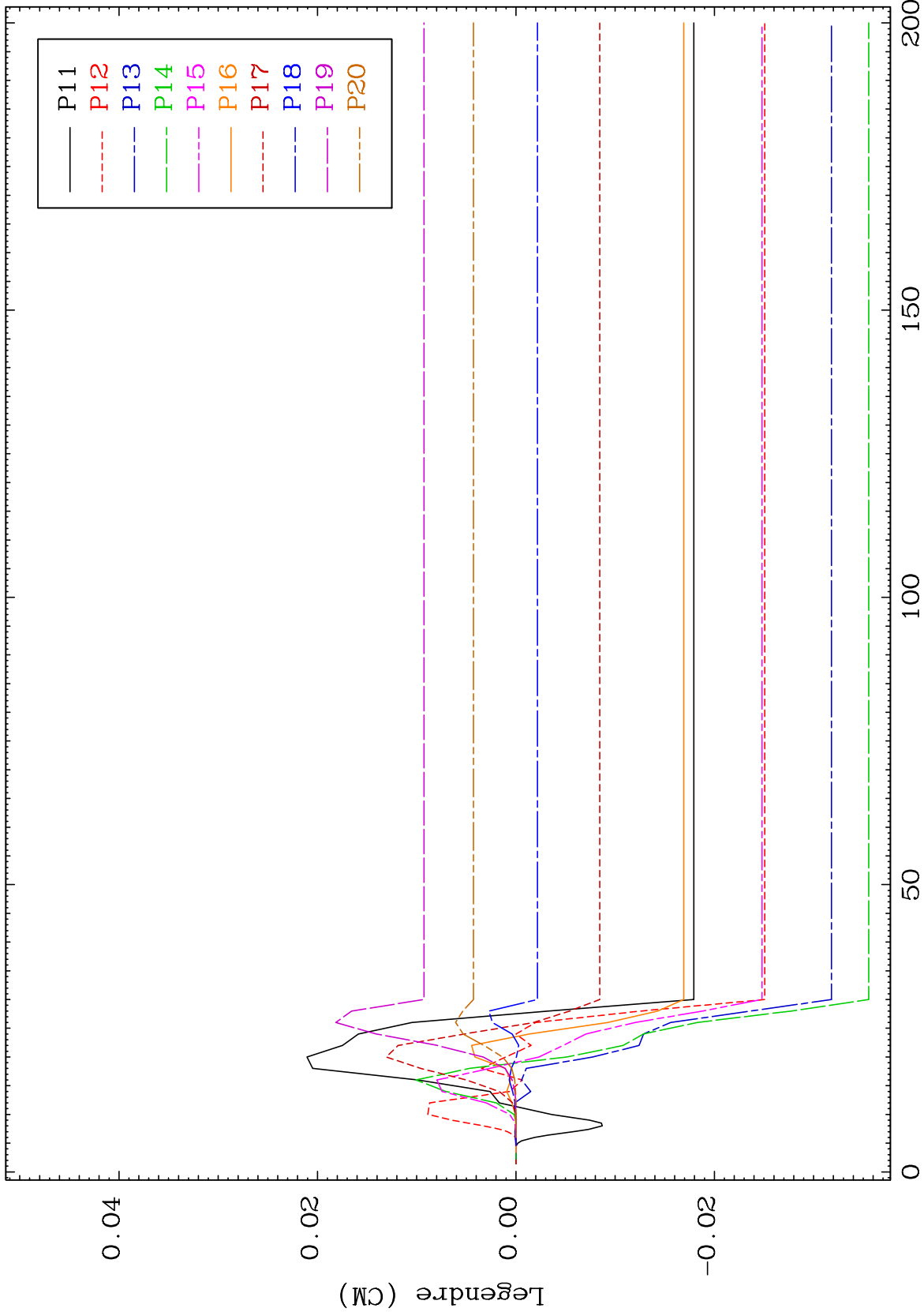
82-Pb-199



MAT 8210

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

82-Pb-199



29

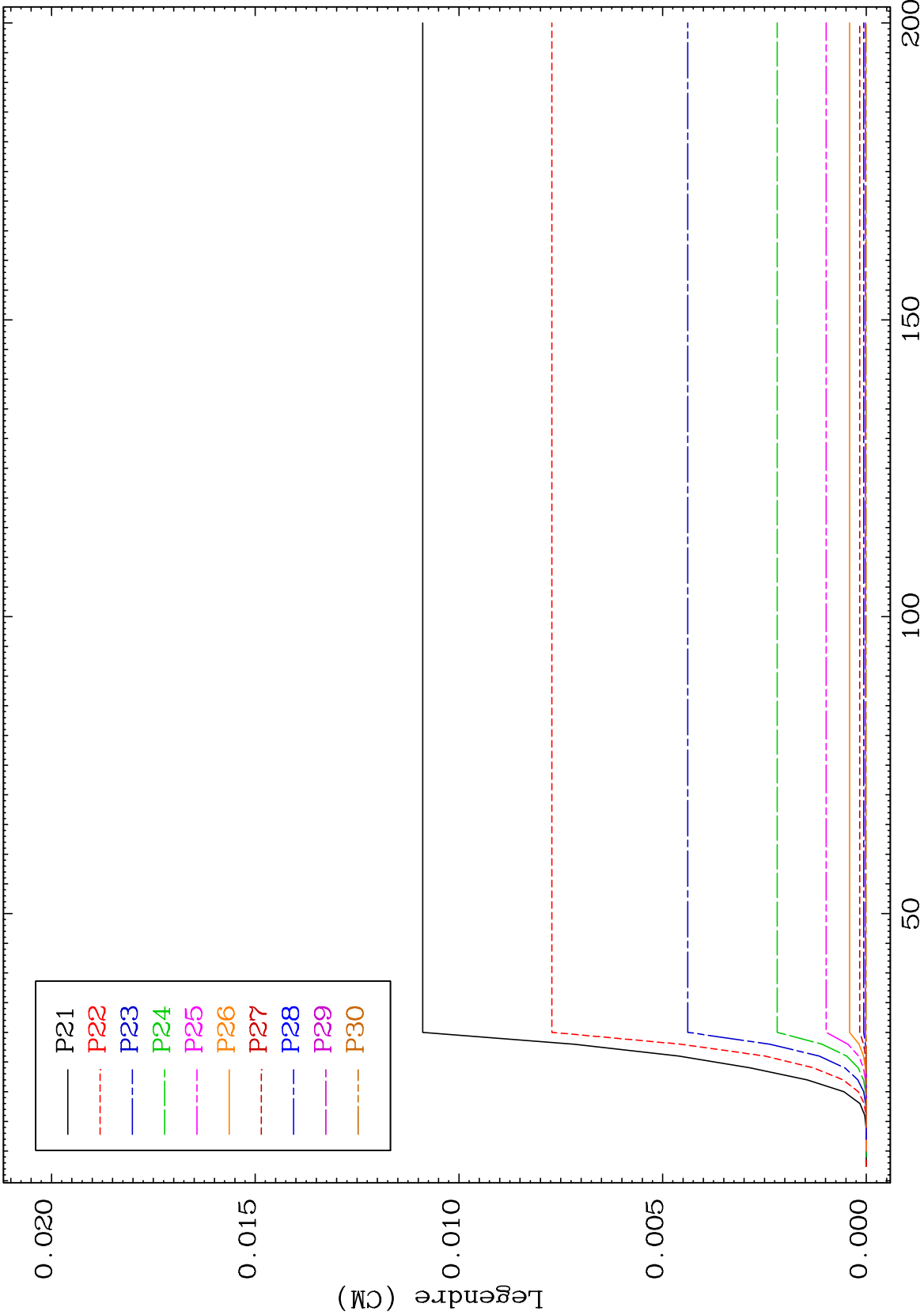
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

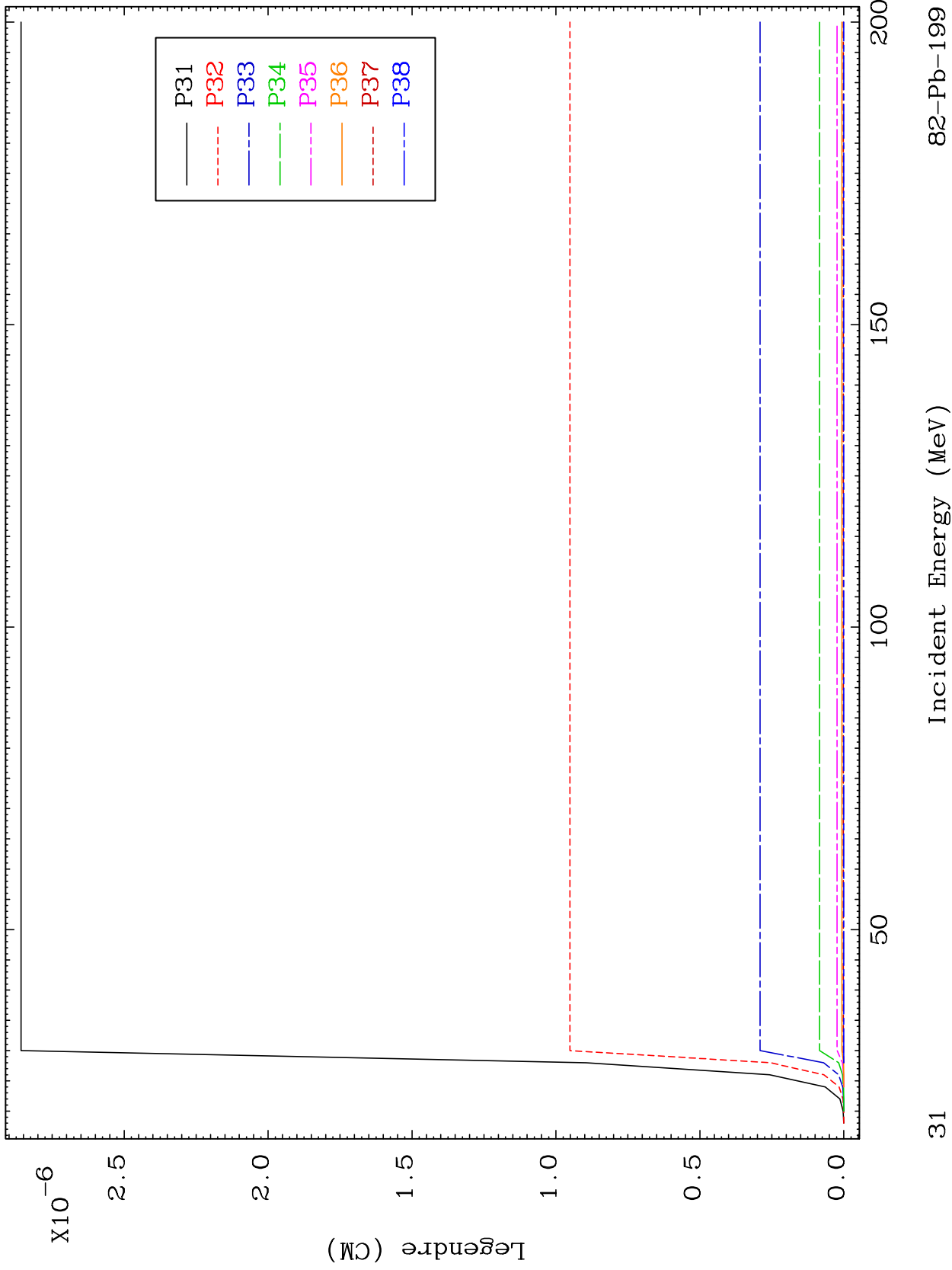
82-Pb-199



82-Pb-199

Incident Energy (MeV)

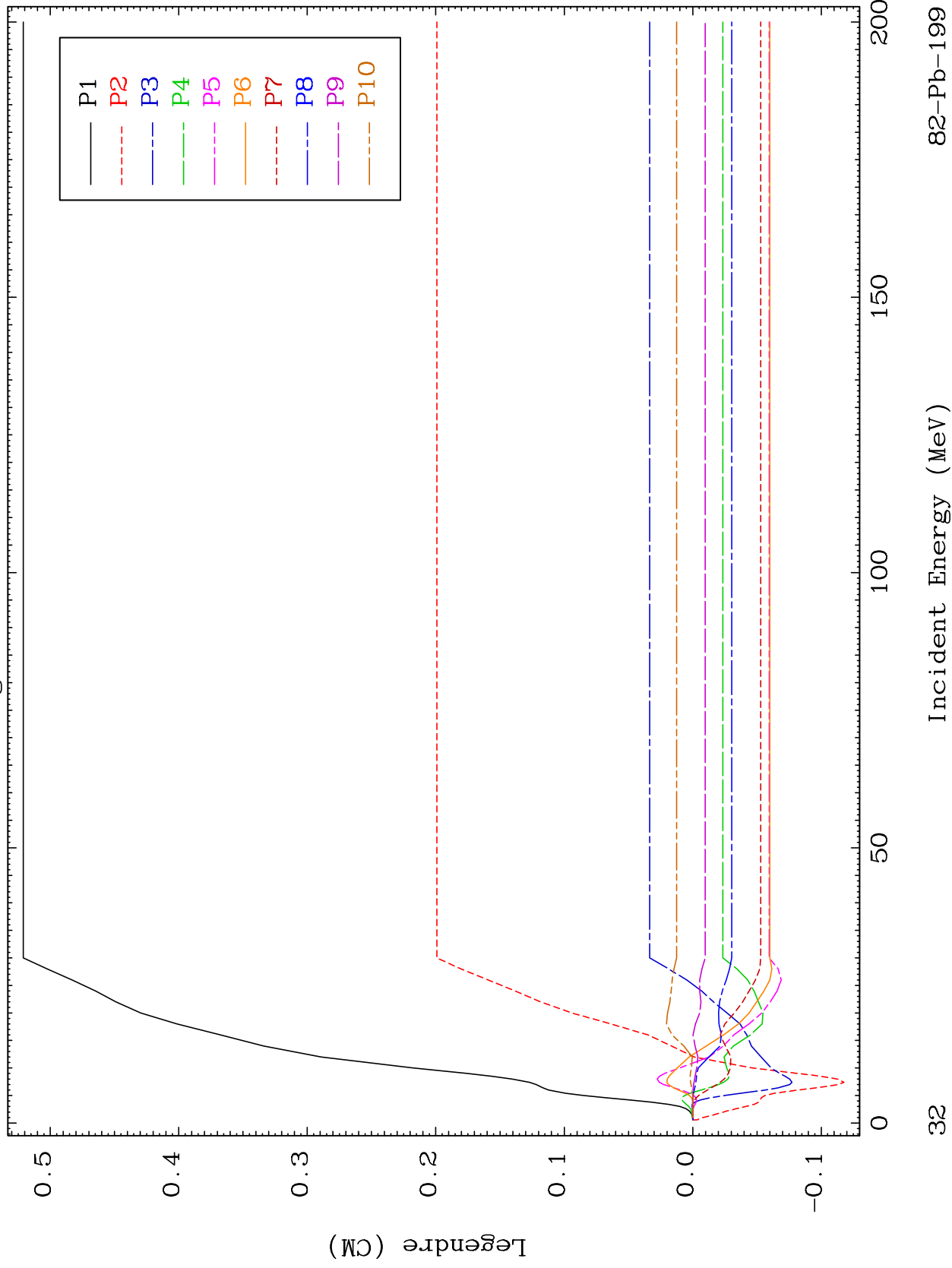
30



MAT 8210

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

82-Pb-199



82-Pb-199

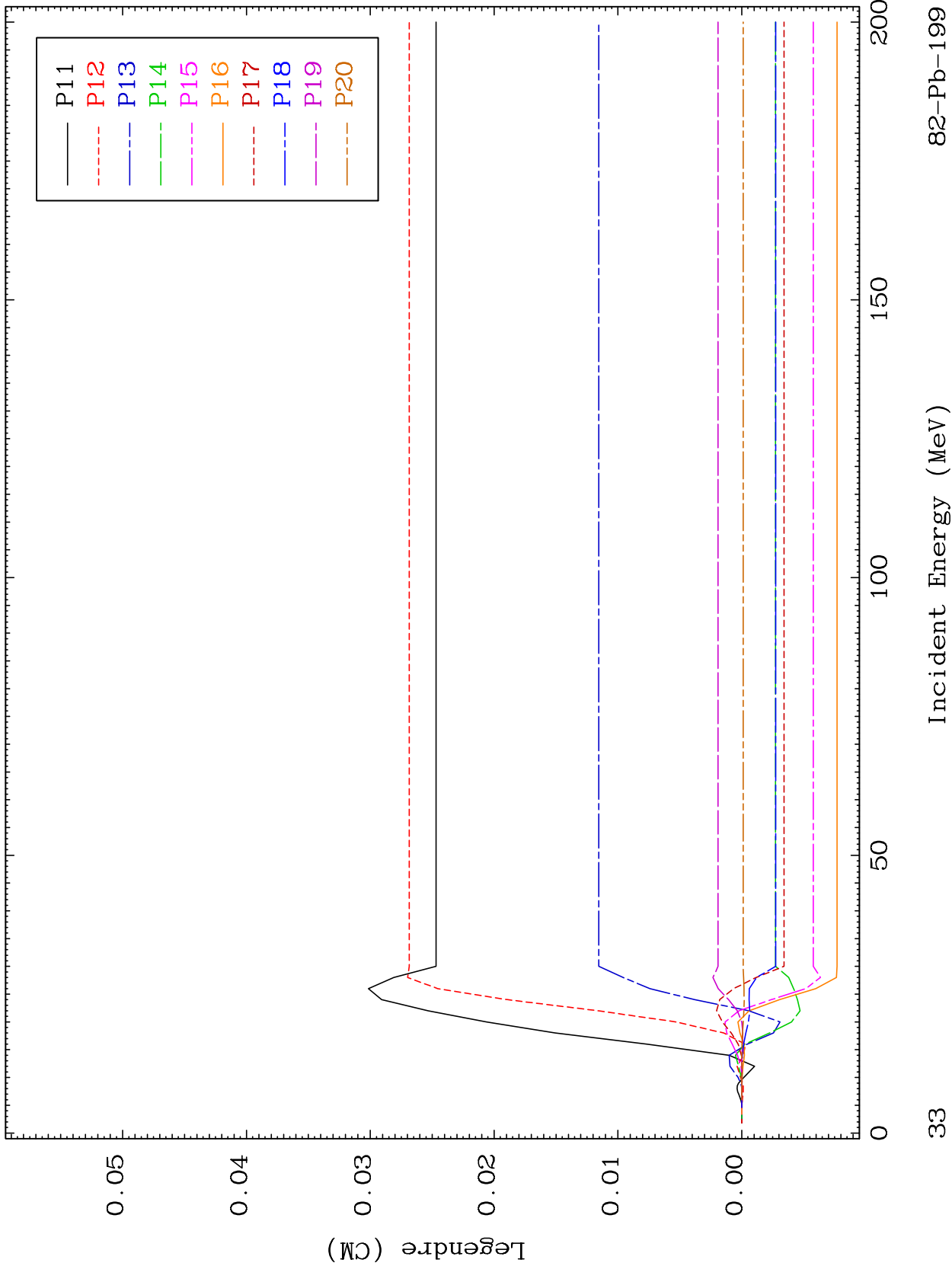
Incident Energy (MeV)

32

MAT 8210

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

82-Pb-199



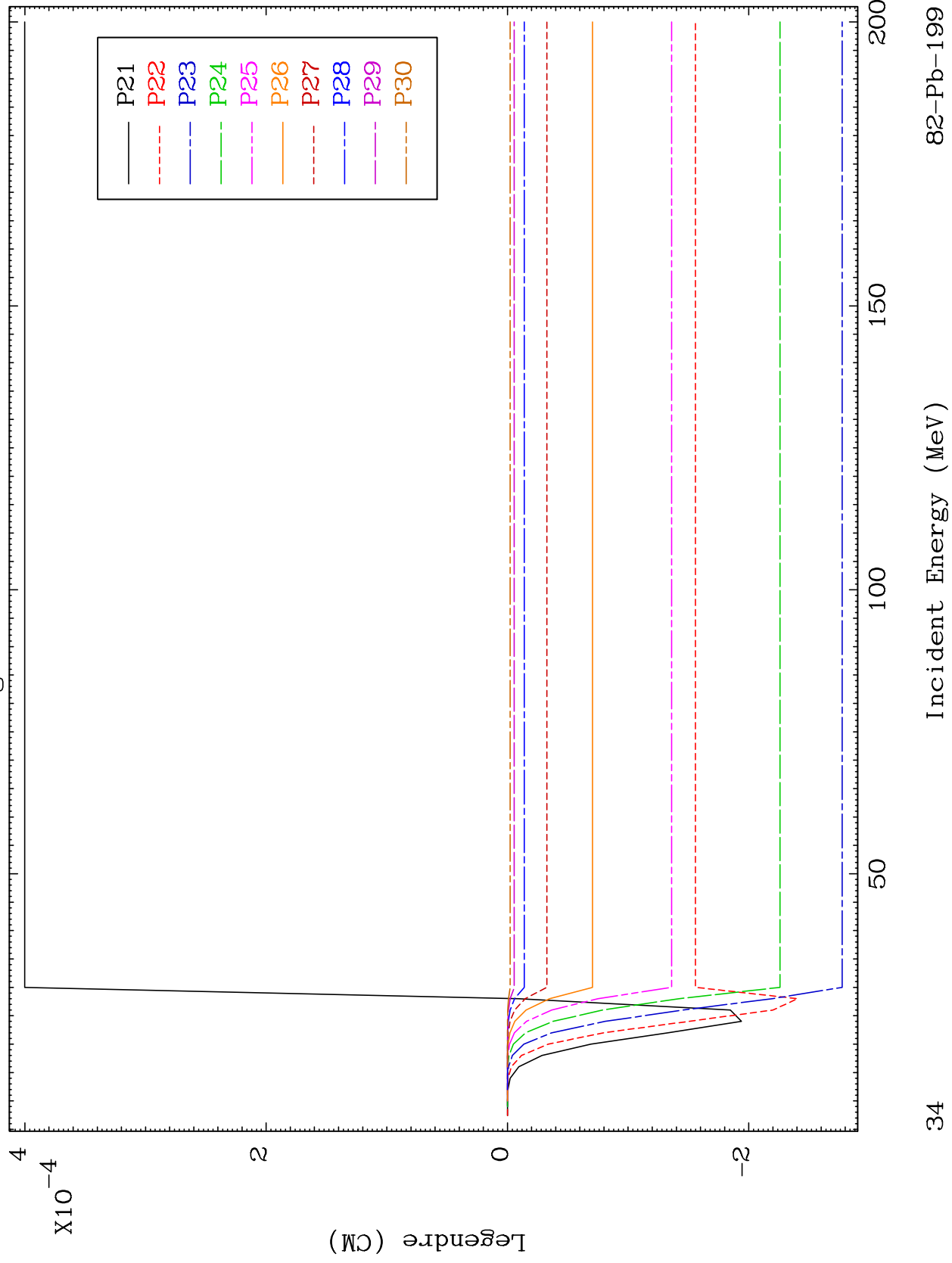
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82-Pb-199

MAT 8210

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

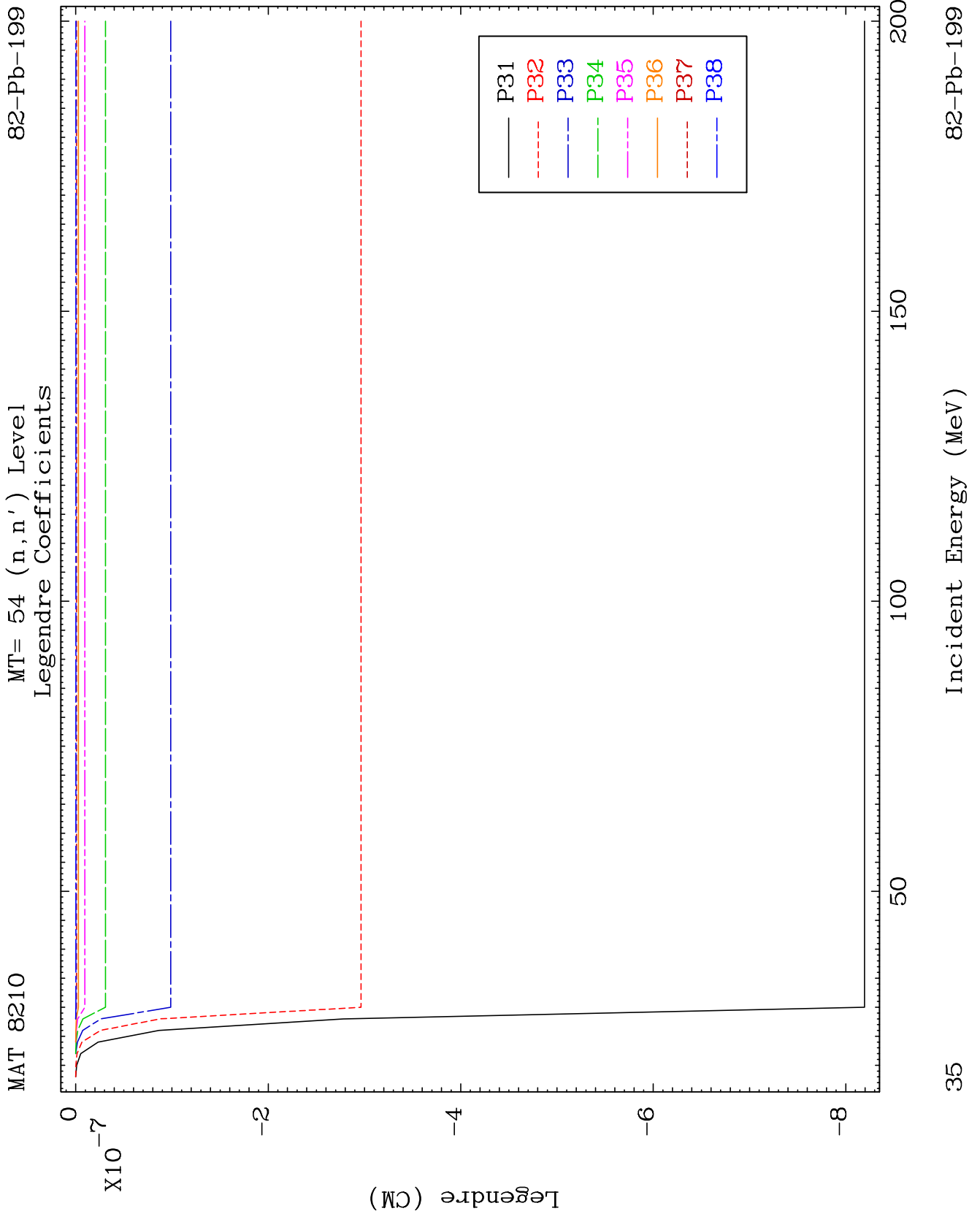
82-Pb-199



34

Incident Energy (MeV)

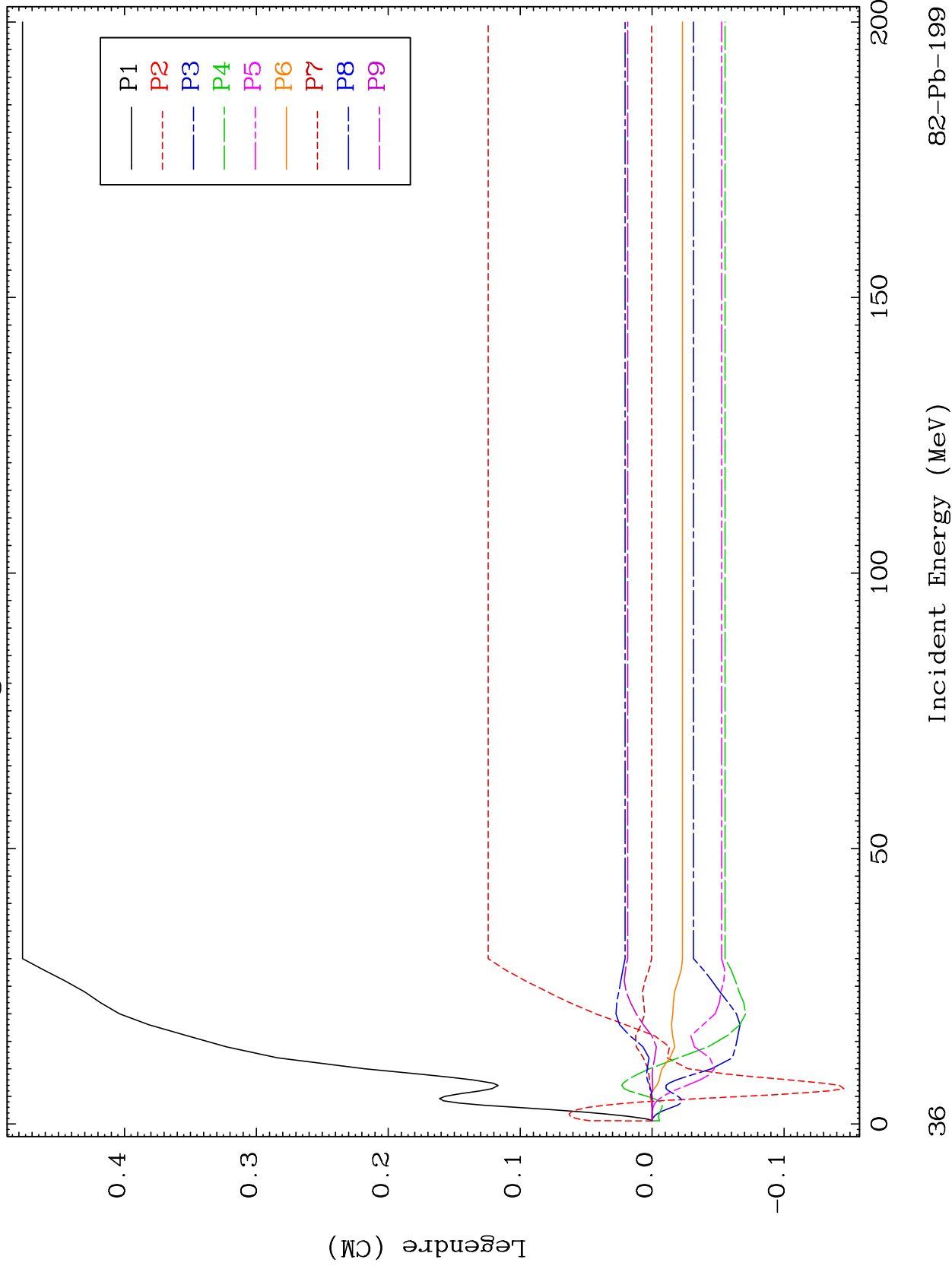
82-Pb-199



MAT 8210

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

82-Pb-199



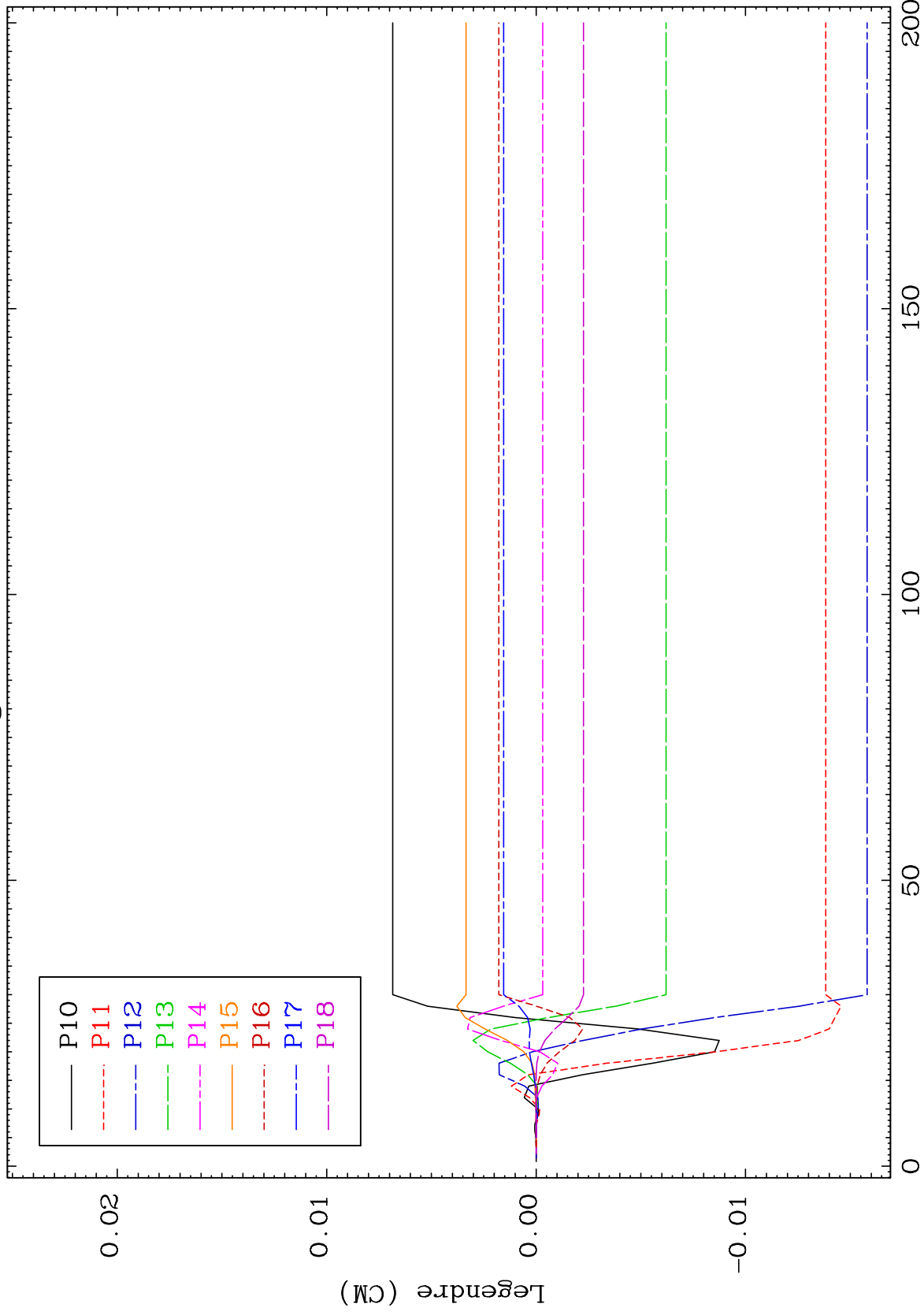
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82-Pb-199

MAT 8210

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

82-Pb-199



37

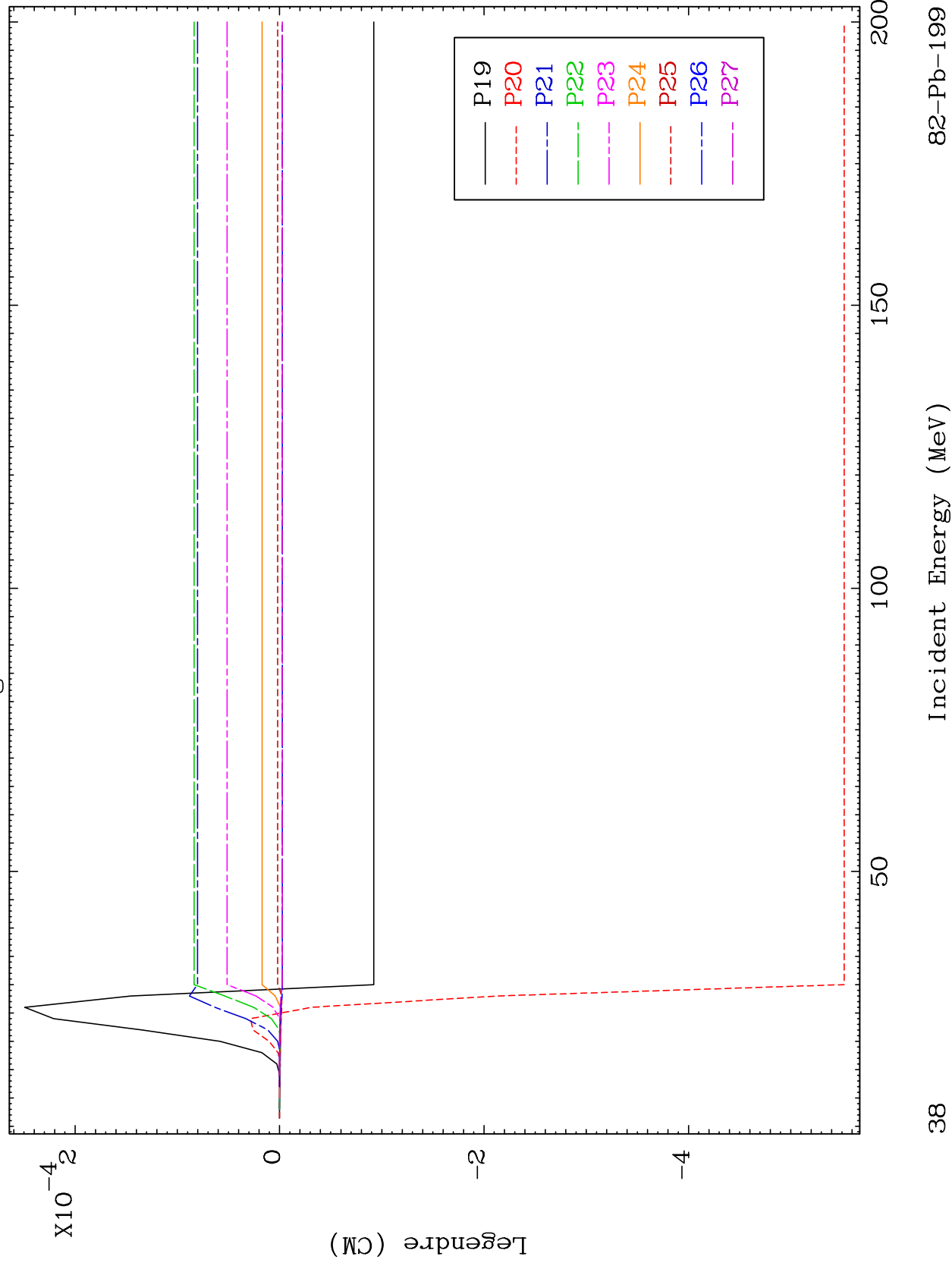
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

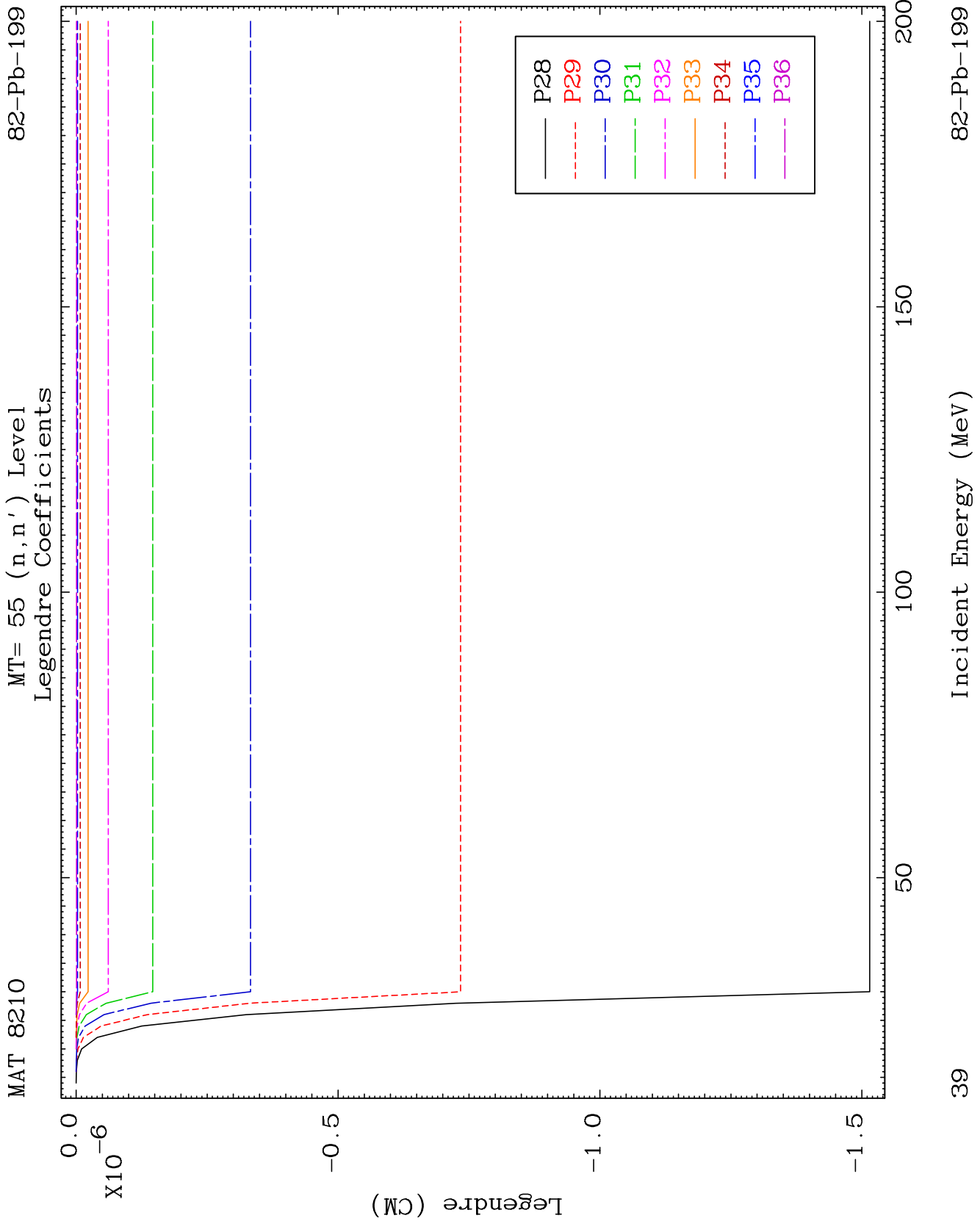
82-Pb-199



38

Incident Energy (MeV)

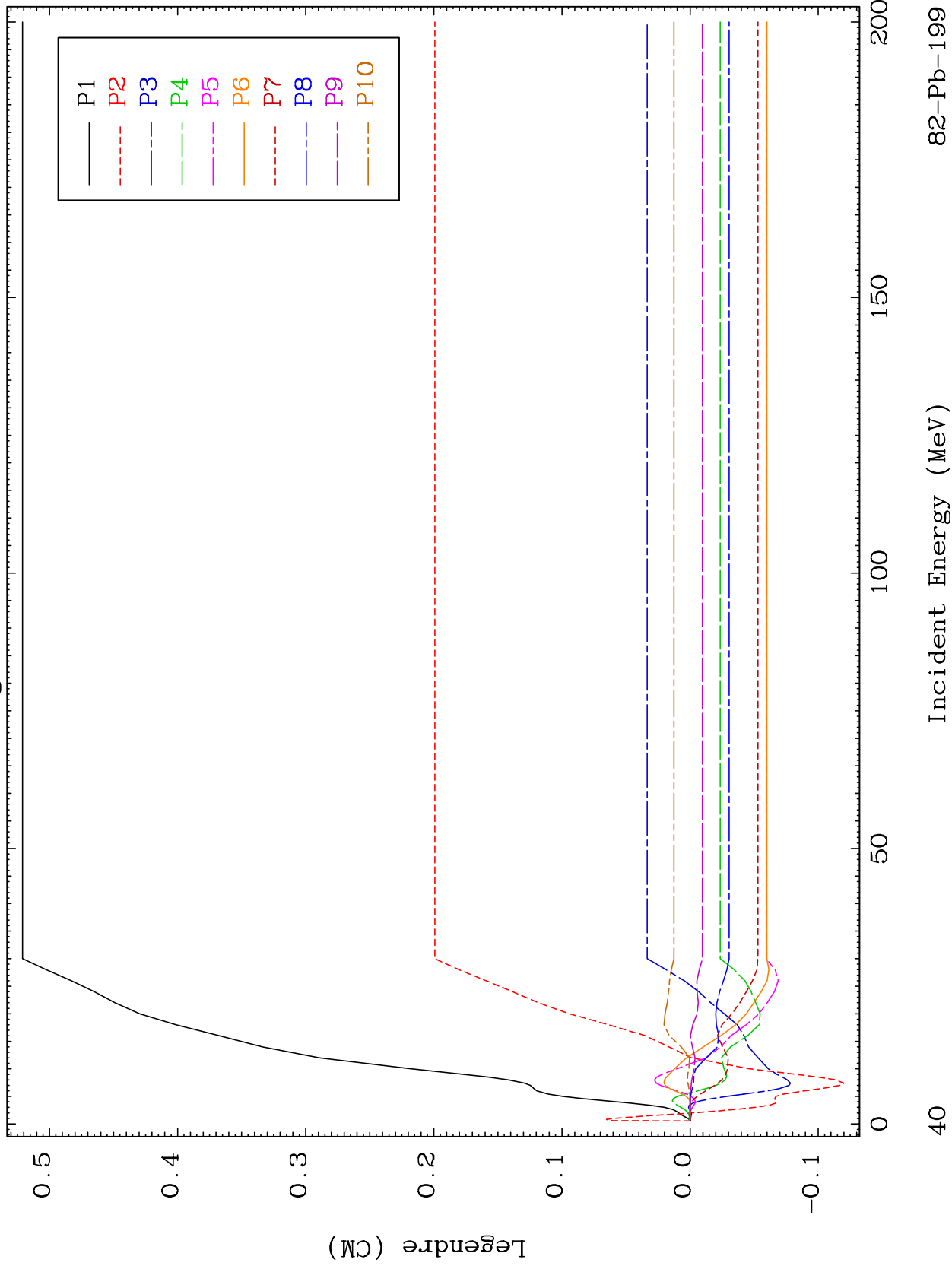
82-Pb-199



MAT 8210

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

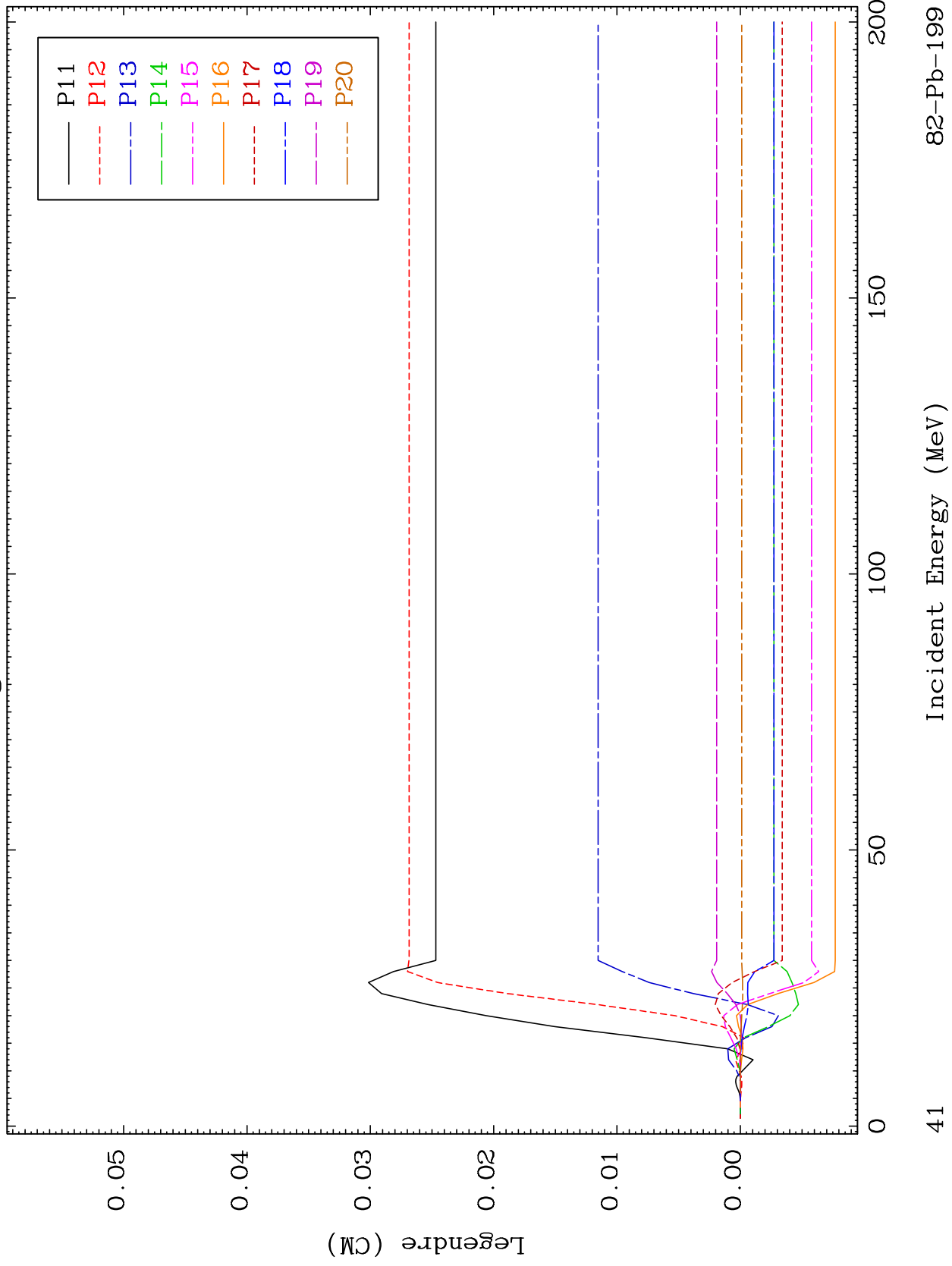
82-Pb-199



MAT 8210

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

82-Pb-199

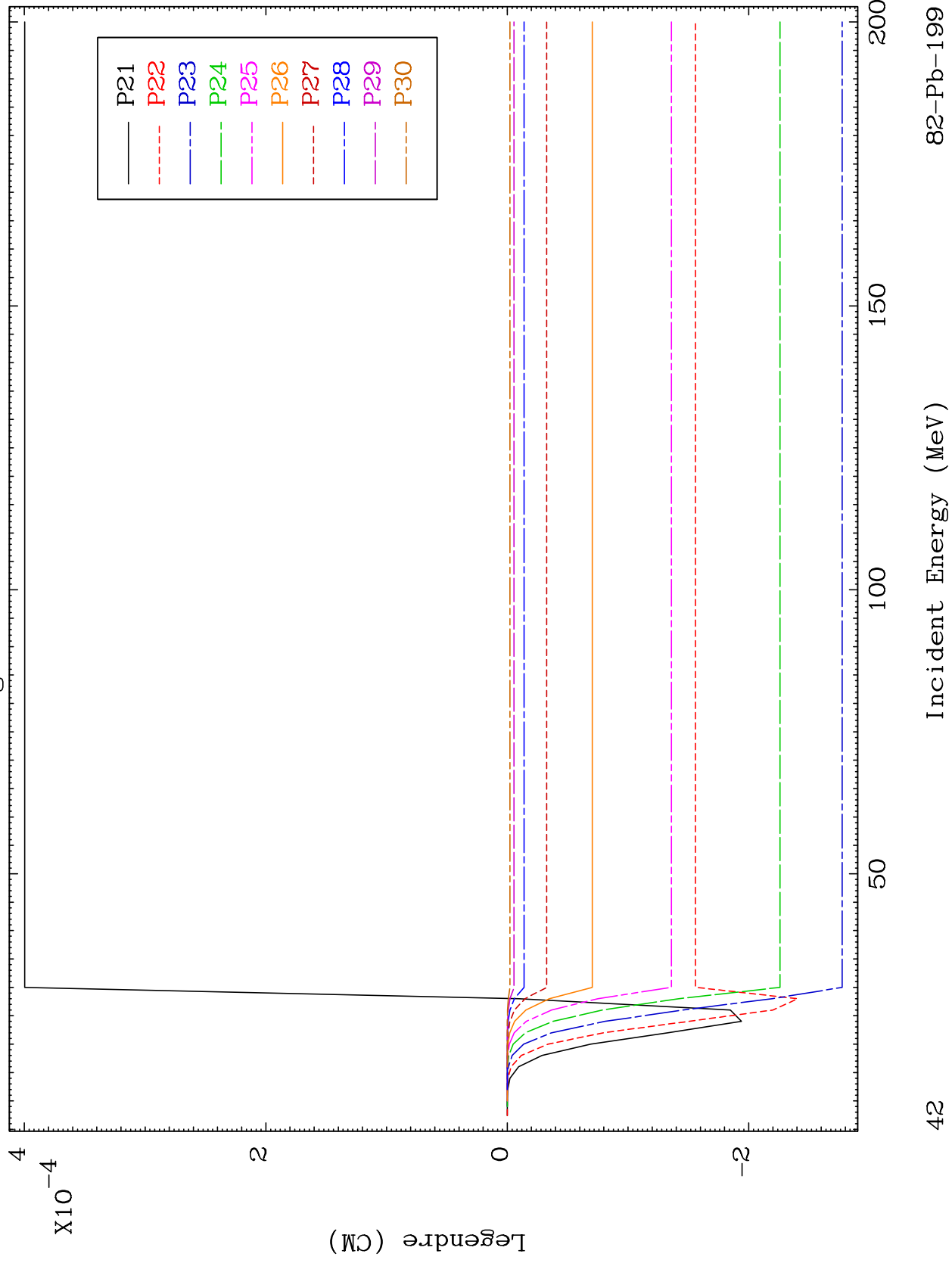


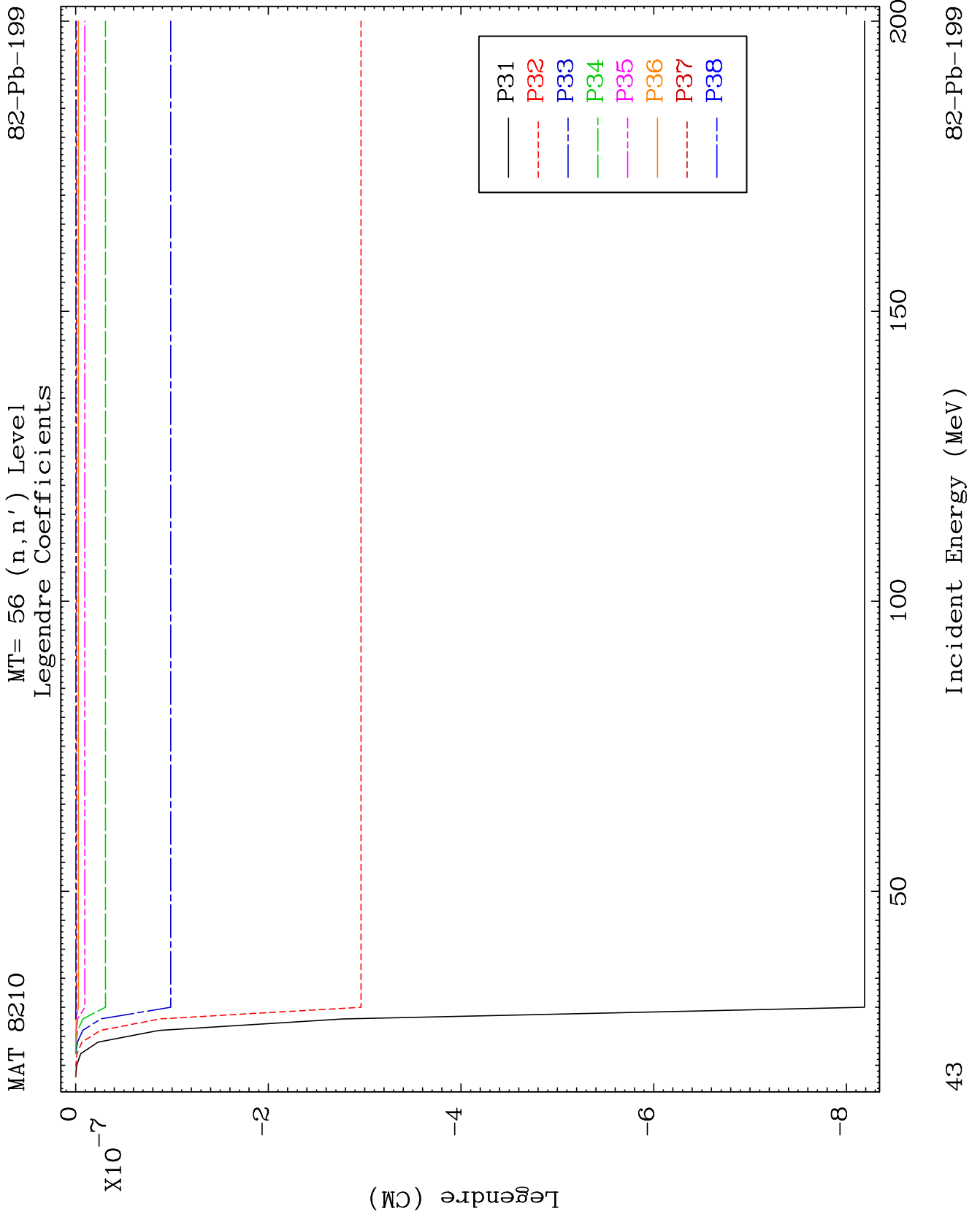
41

MAT 8210

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

82-Pb-199

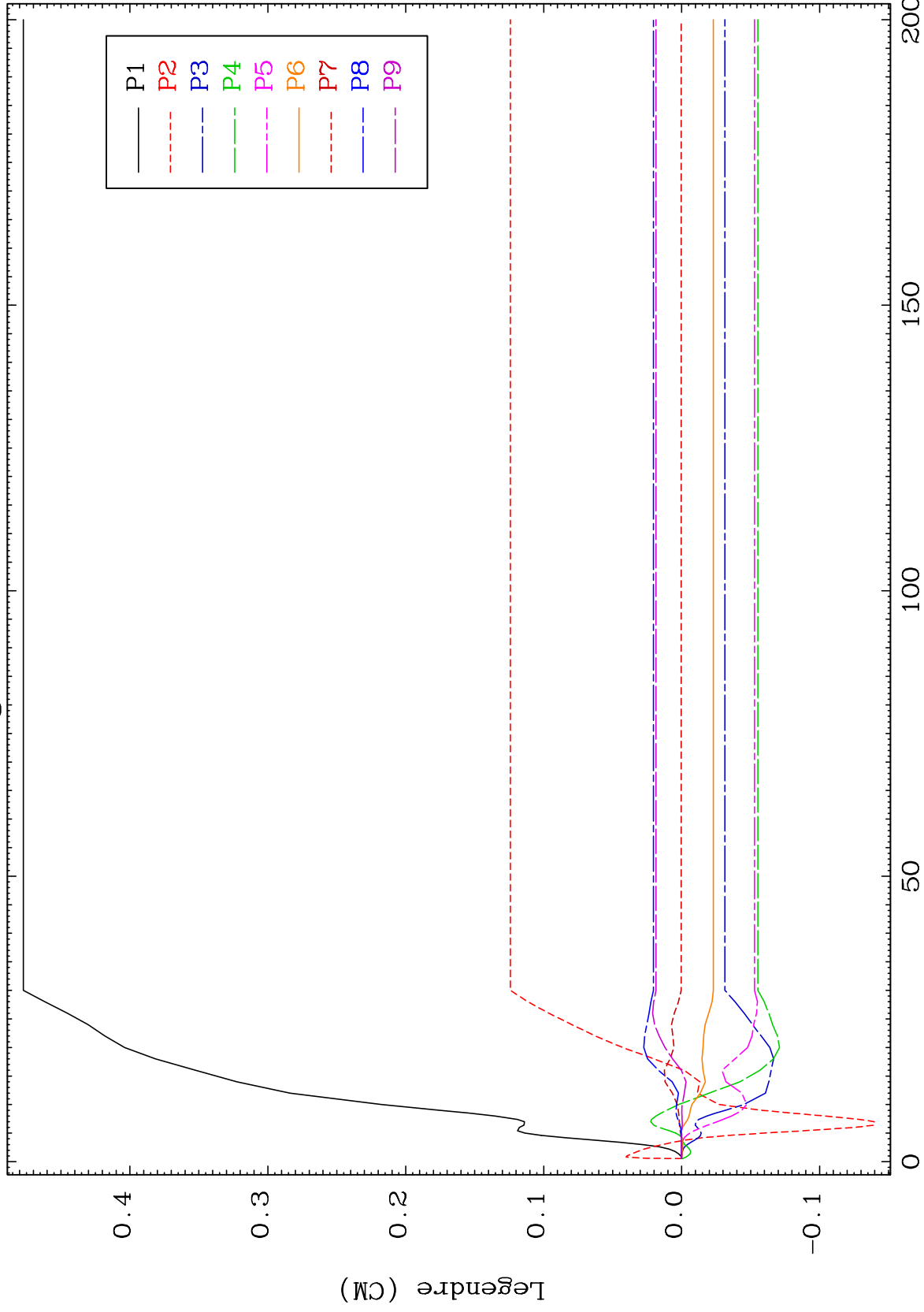




MAT 8210

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

82-Pb-199



44

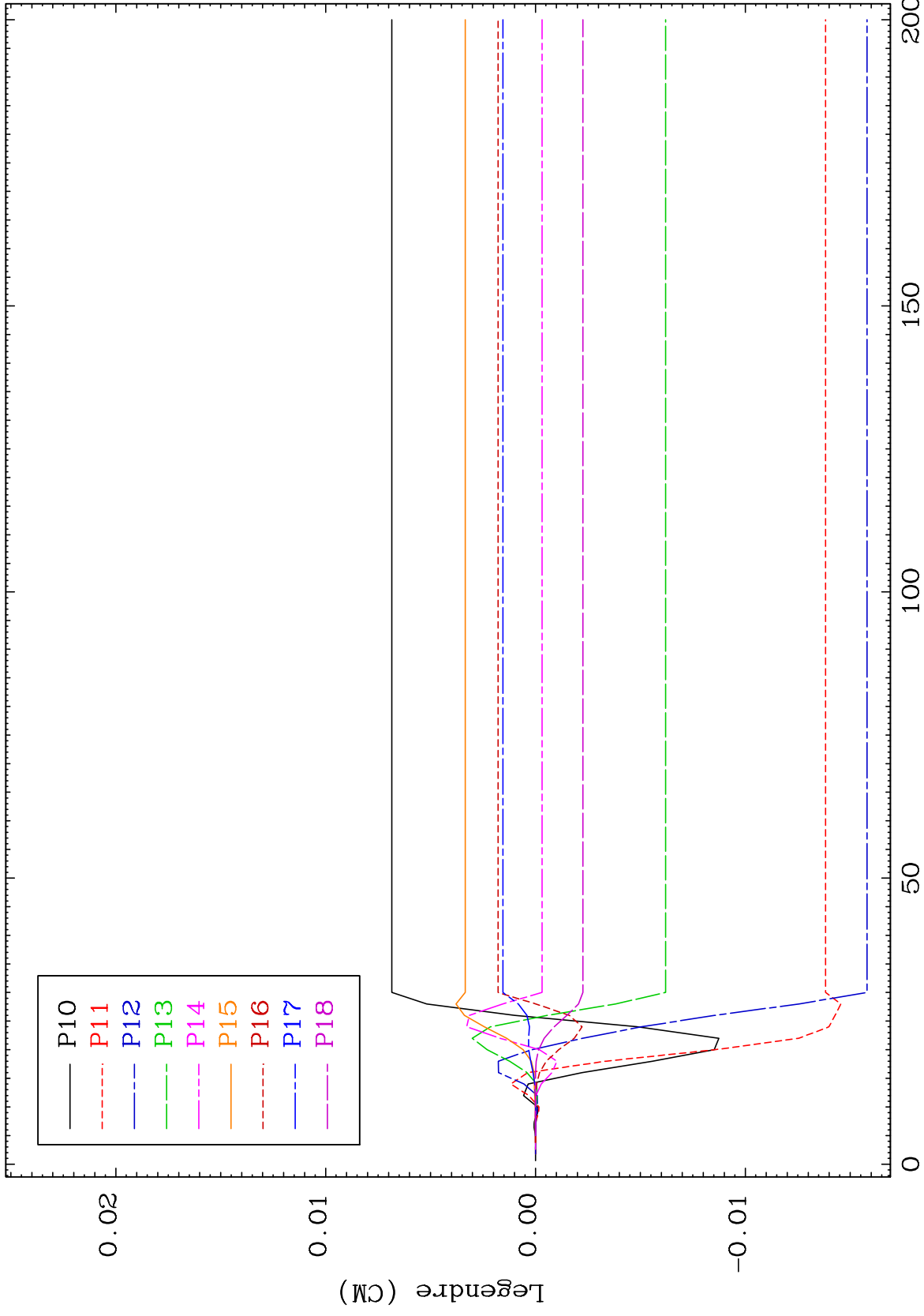
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



45

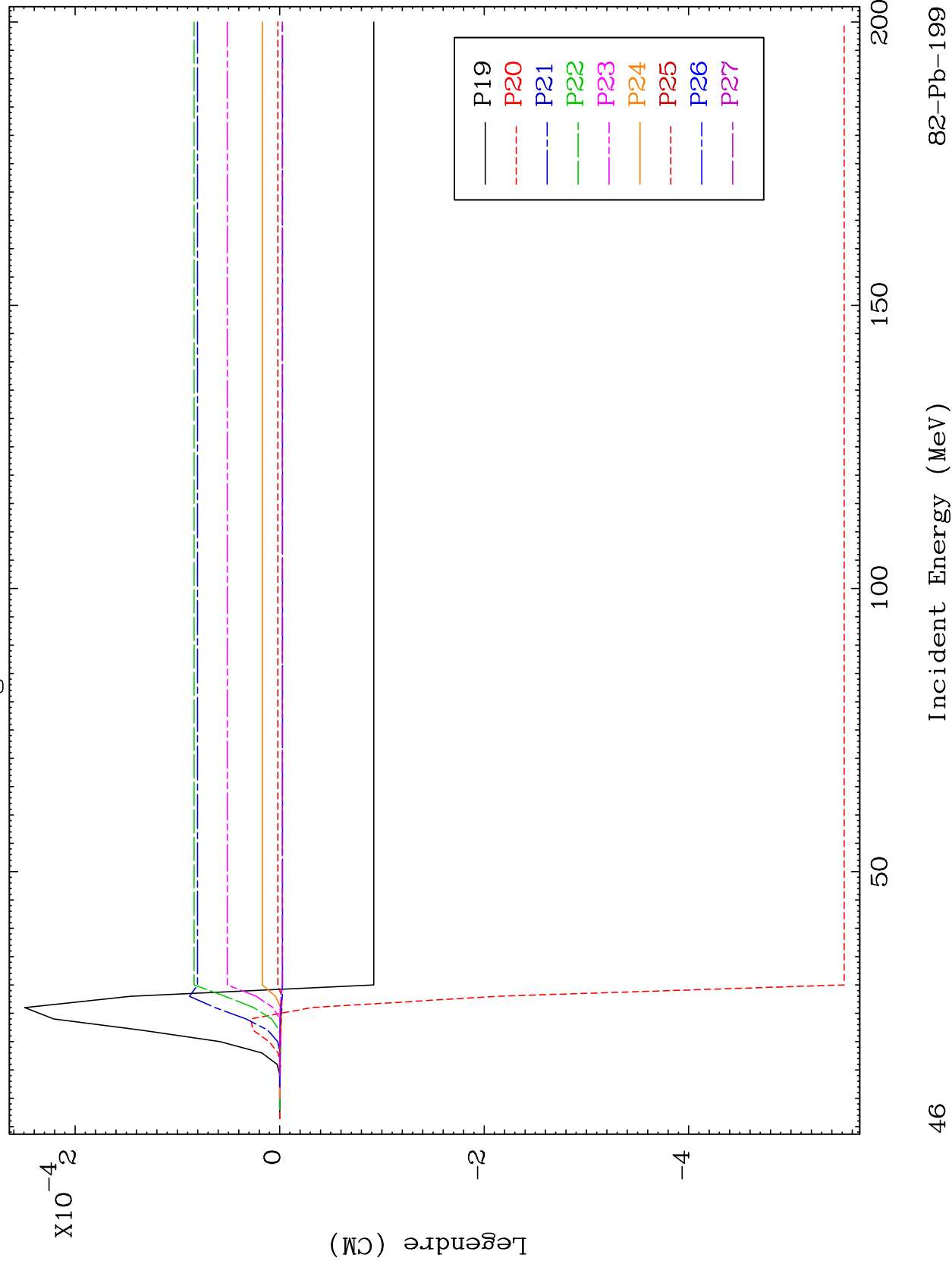
Incident Energy (MeV)

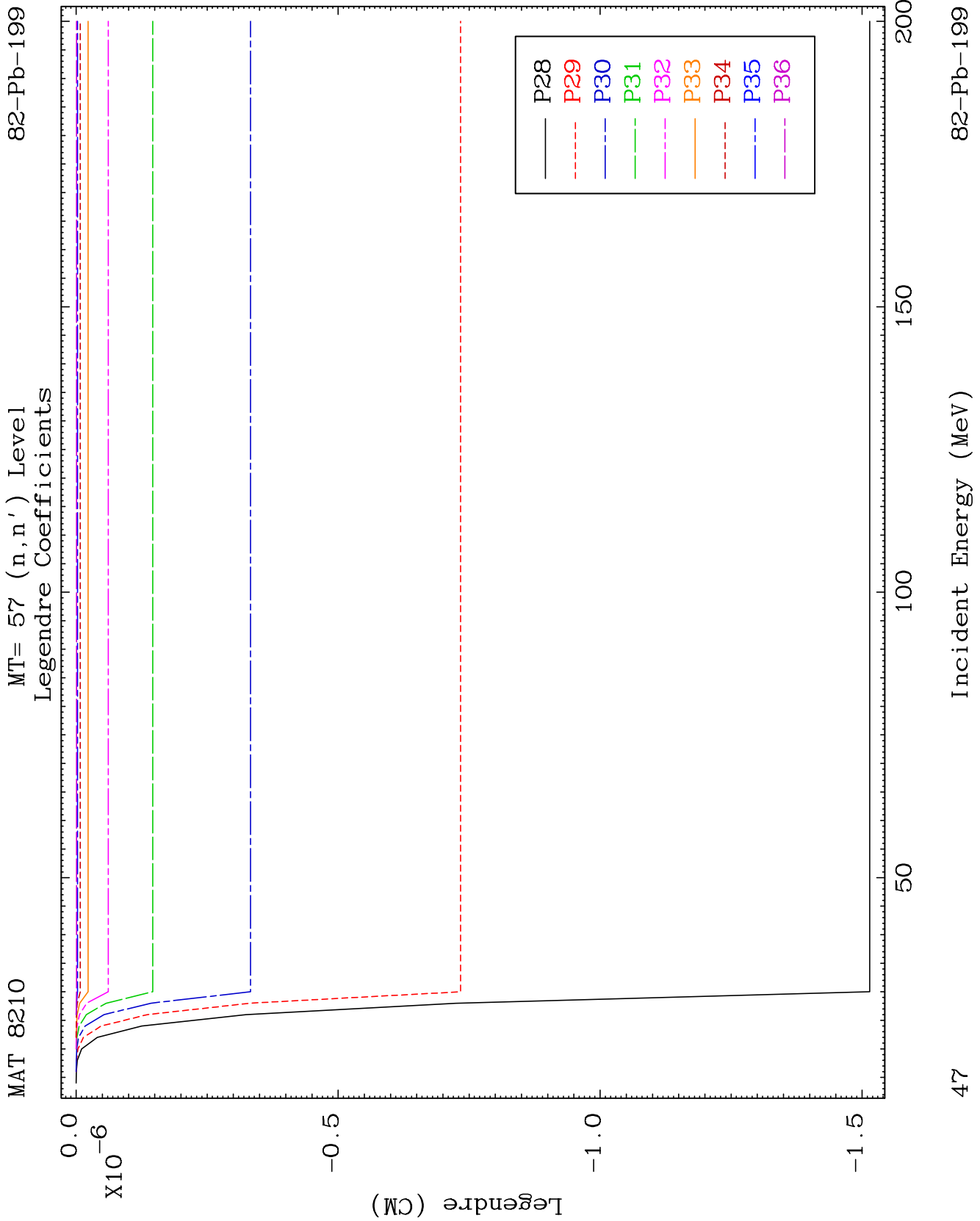
82-Pb-199

MAT 8210

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

82-Pb-199

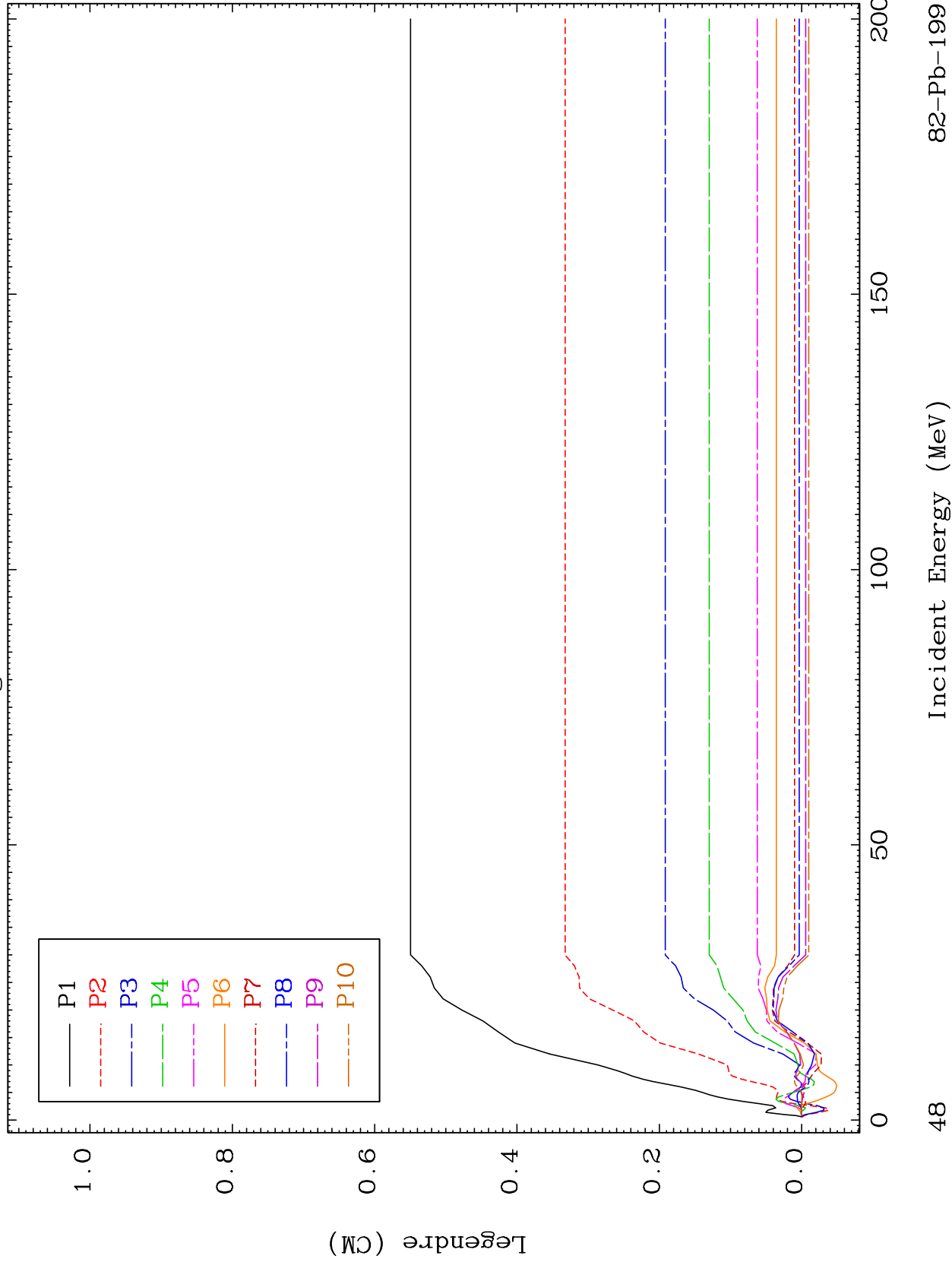




MAT 8210

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

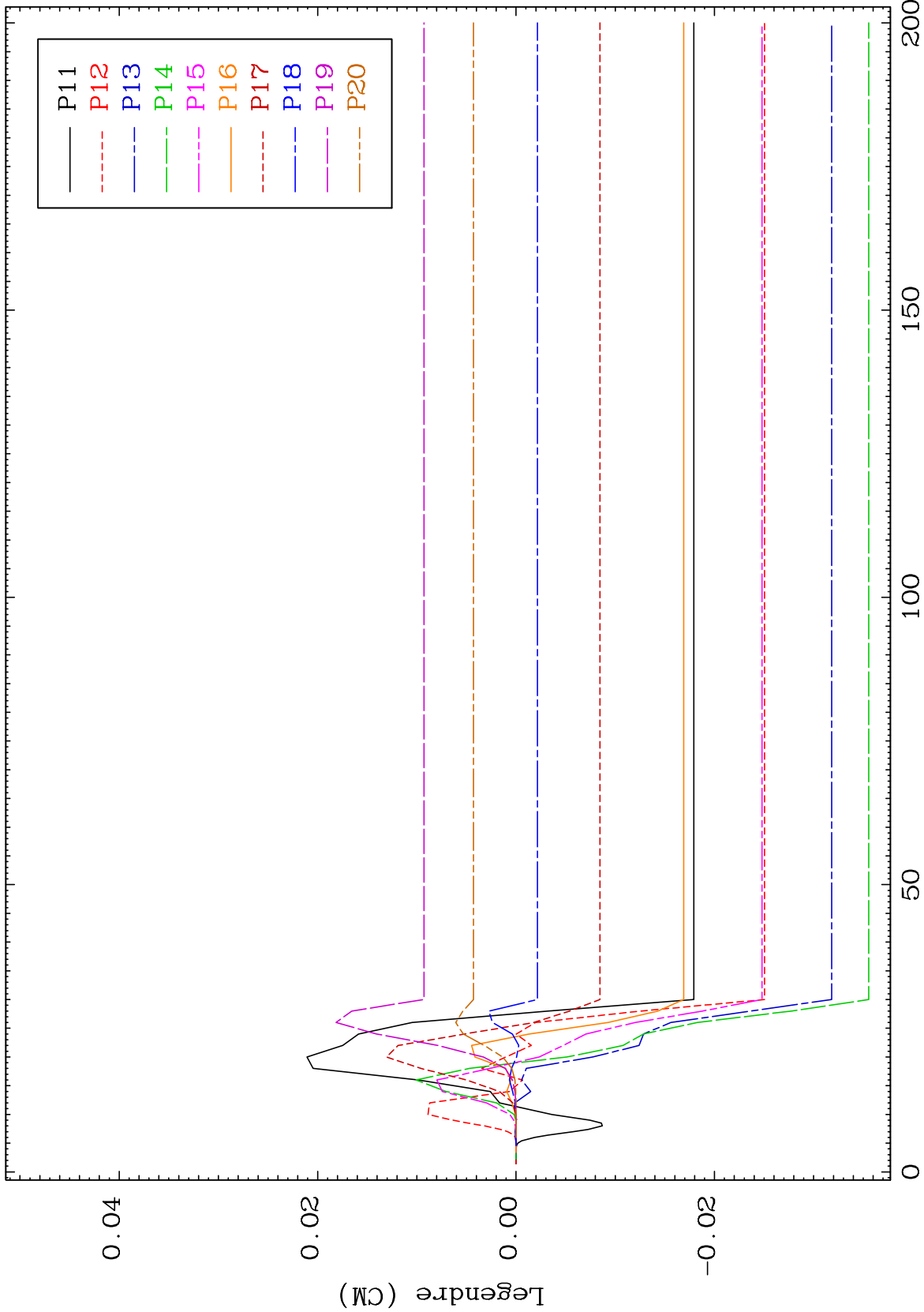
82-Pb-199



MAT 8210

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

82-Pb-199



49

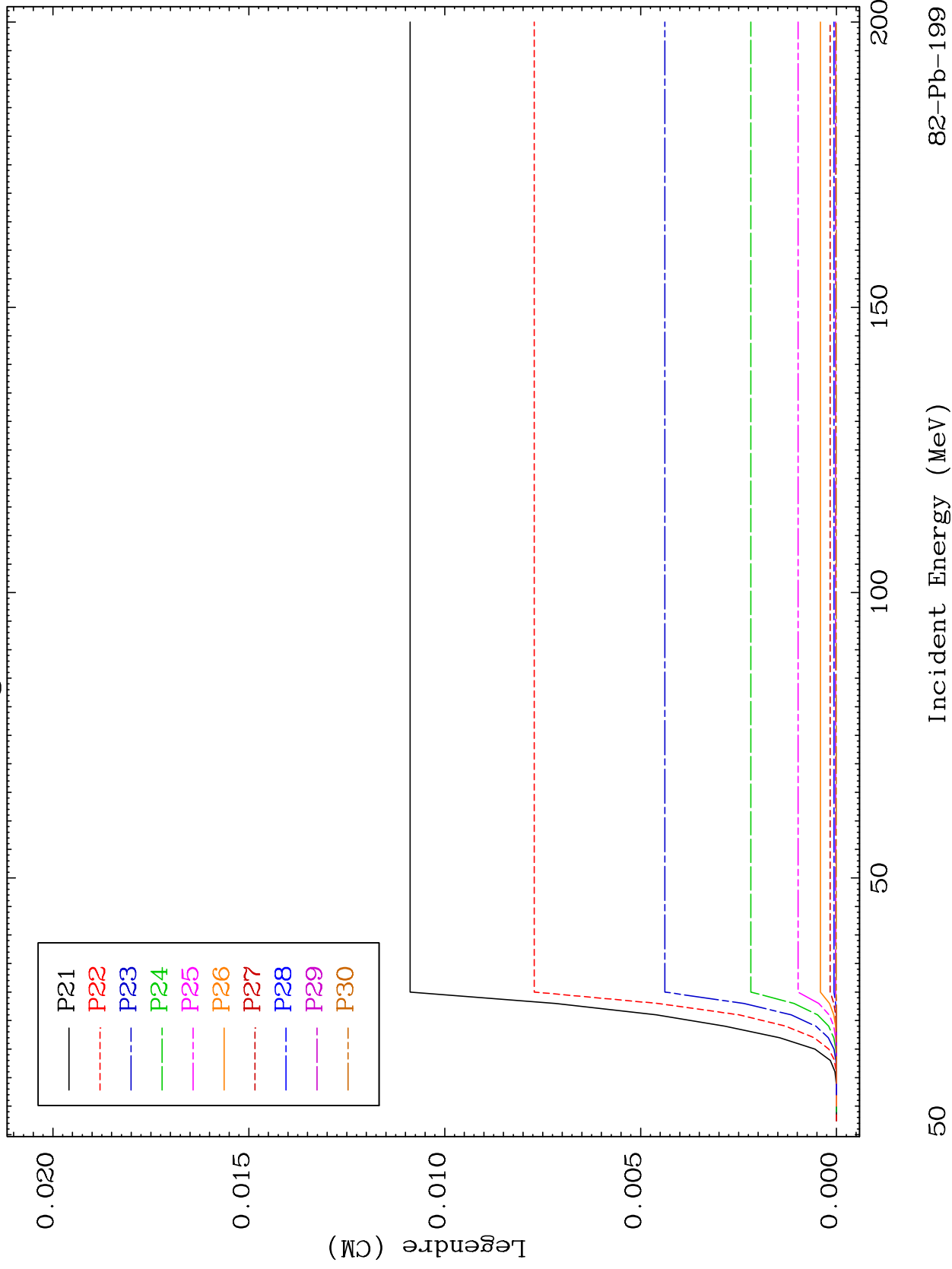
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



82-Pb-199

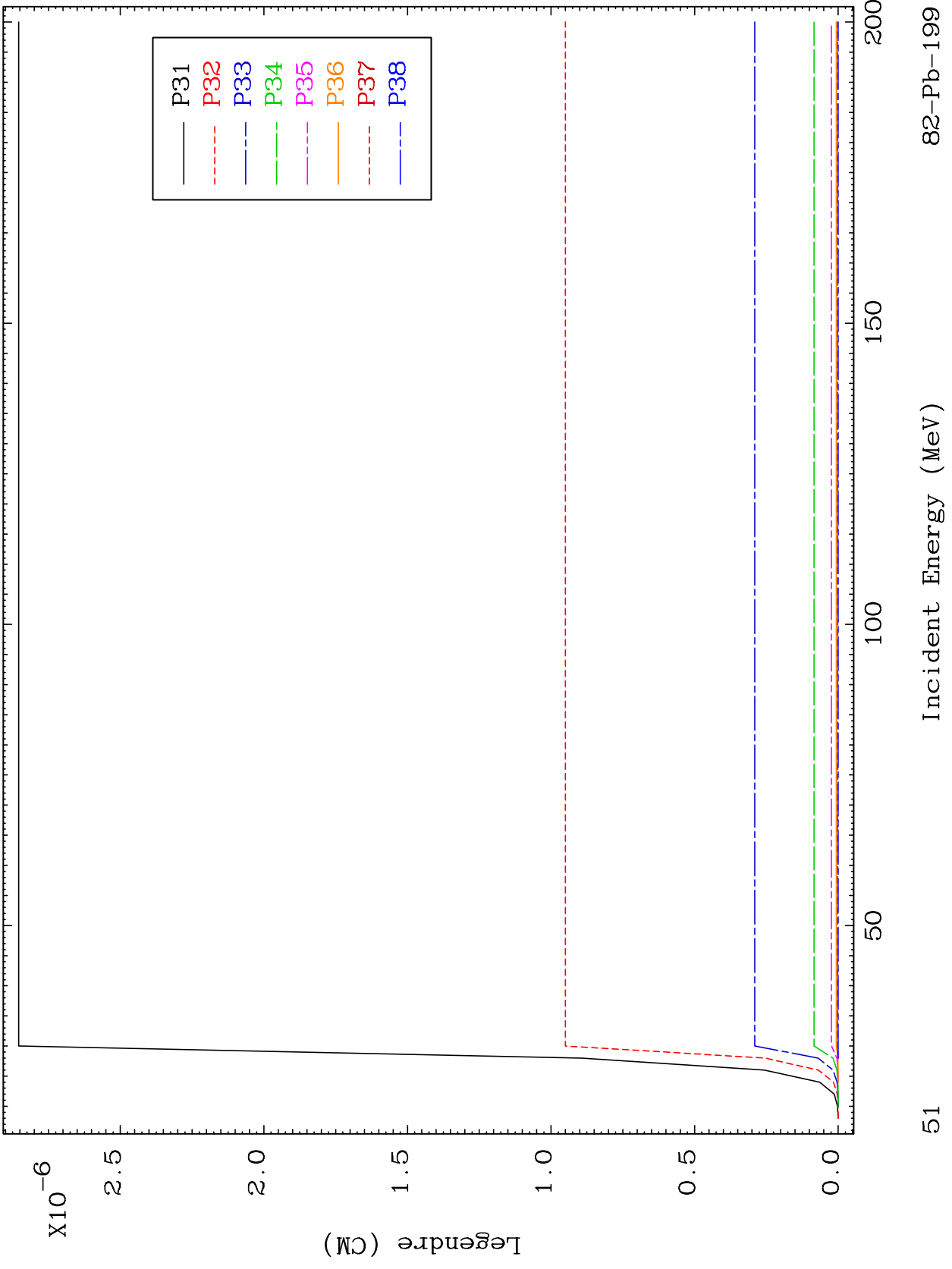
Incident Energy (MeV)

50

MAT 8210

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

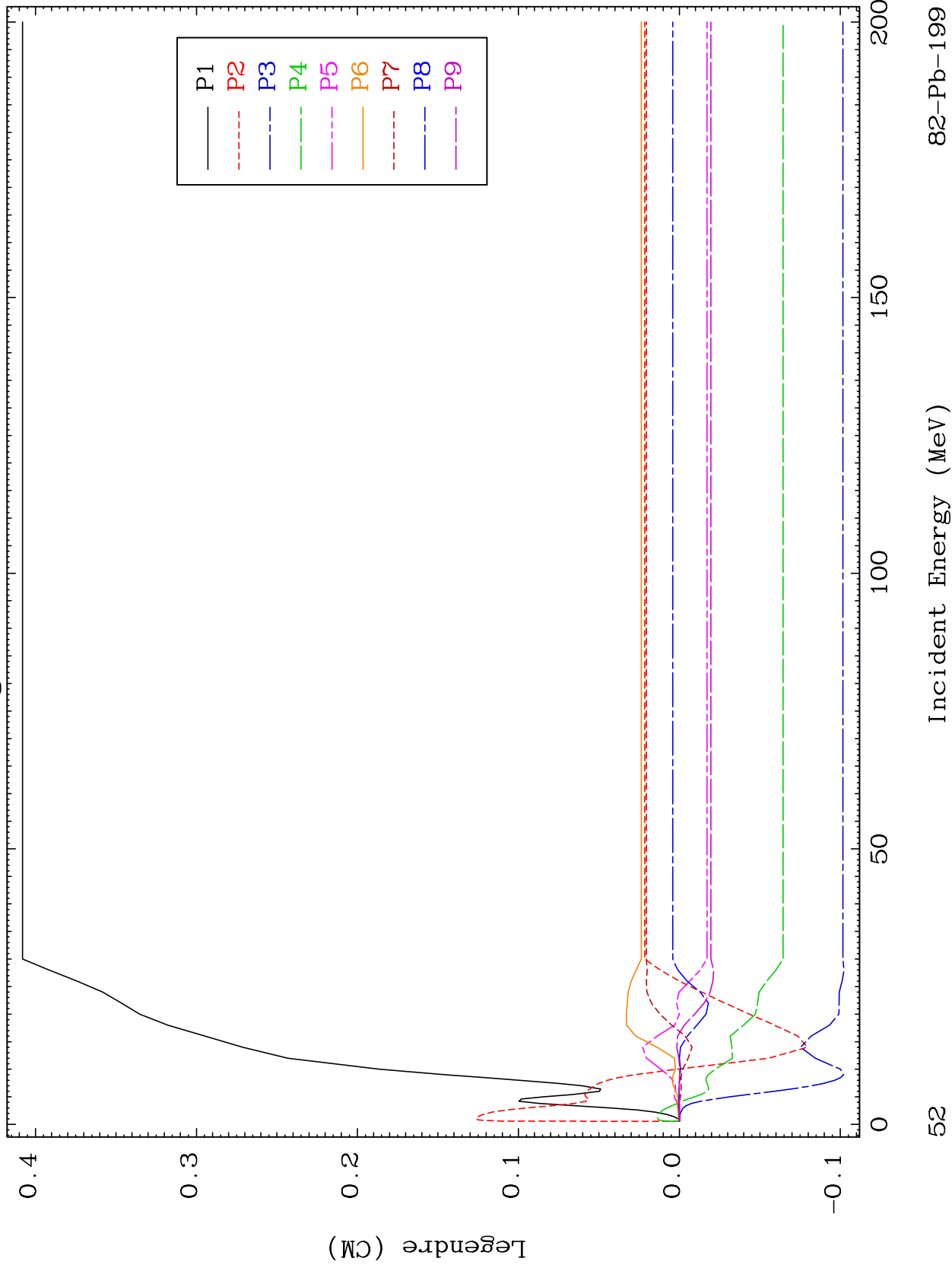
82-Pb-199



MAT 8210

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

82-Pb-199



82-Pb-199

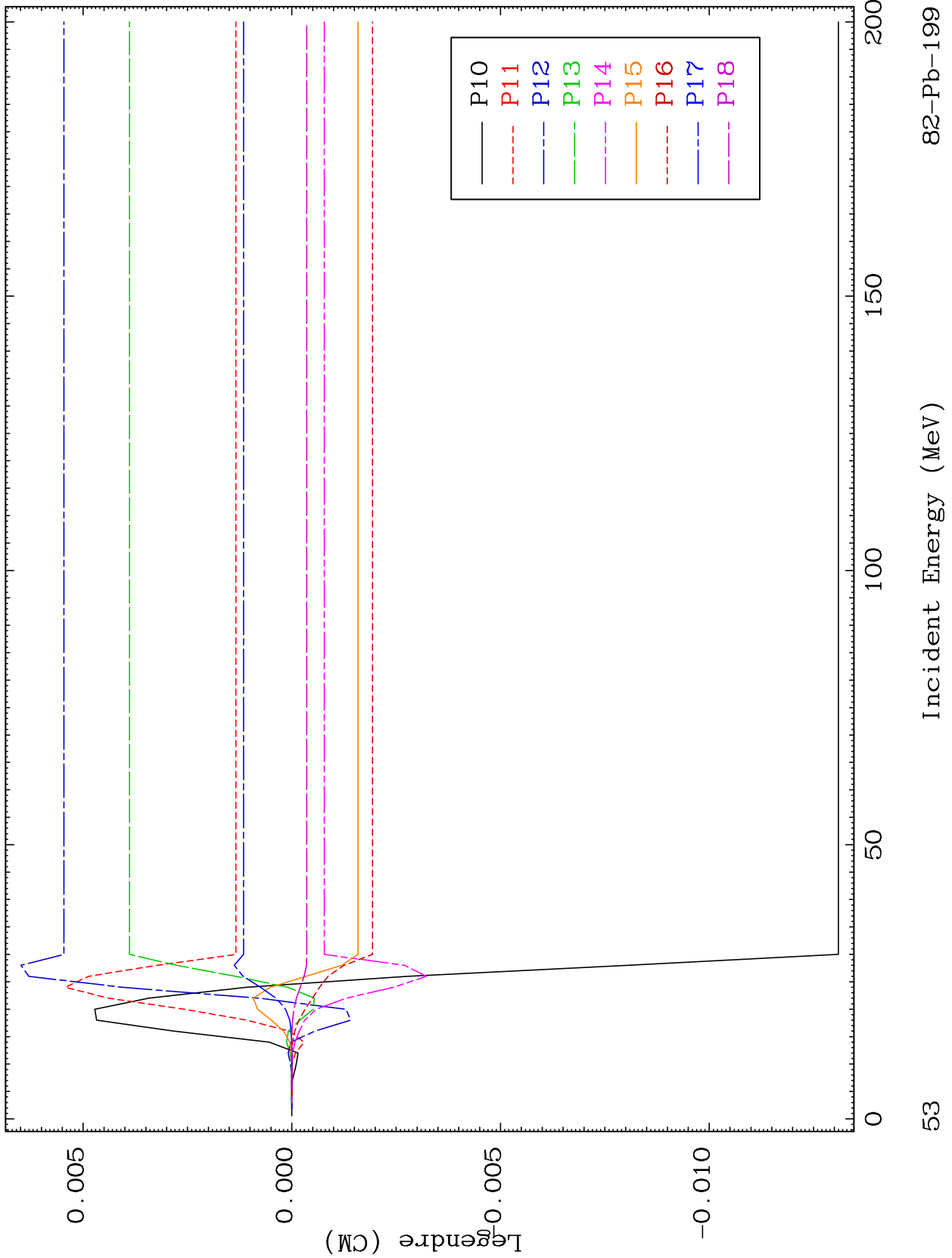
Incident Energy (MeV)

52

MAT 8210

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

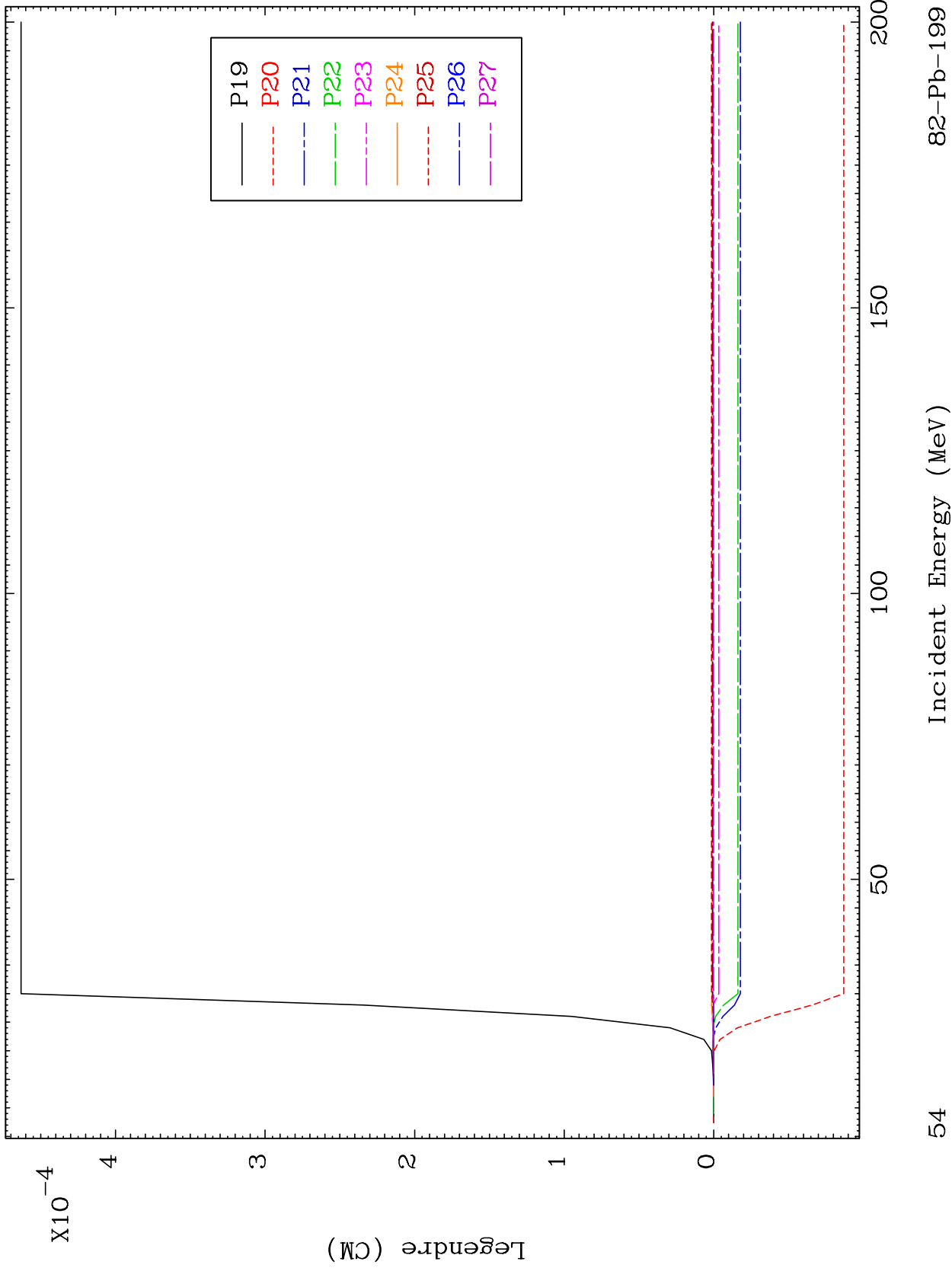
82-Pb-199



MAT 8210

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

82-Pb-199



54

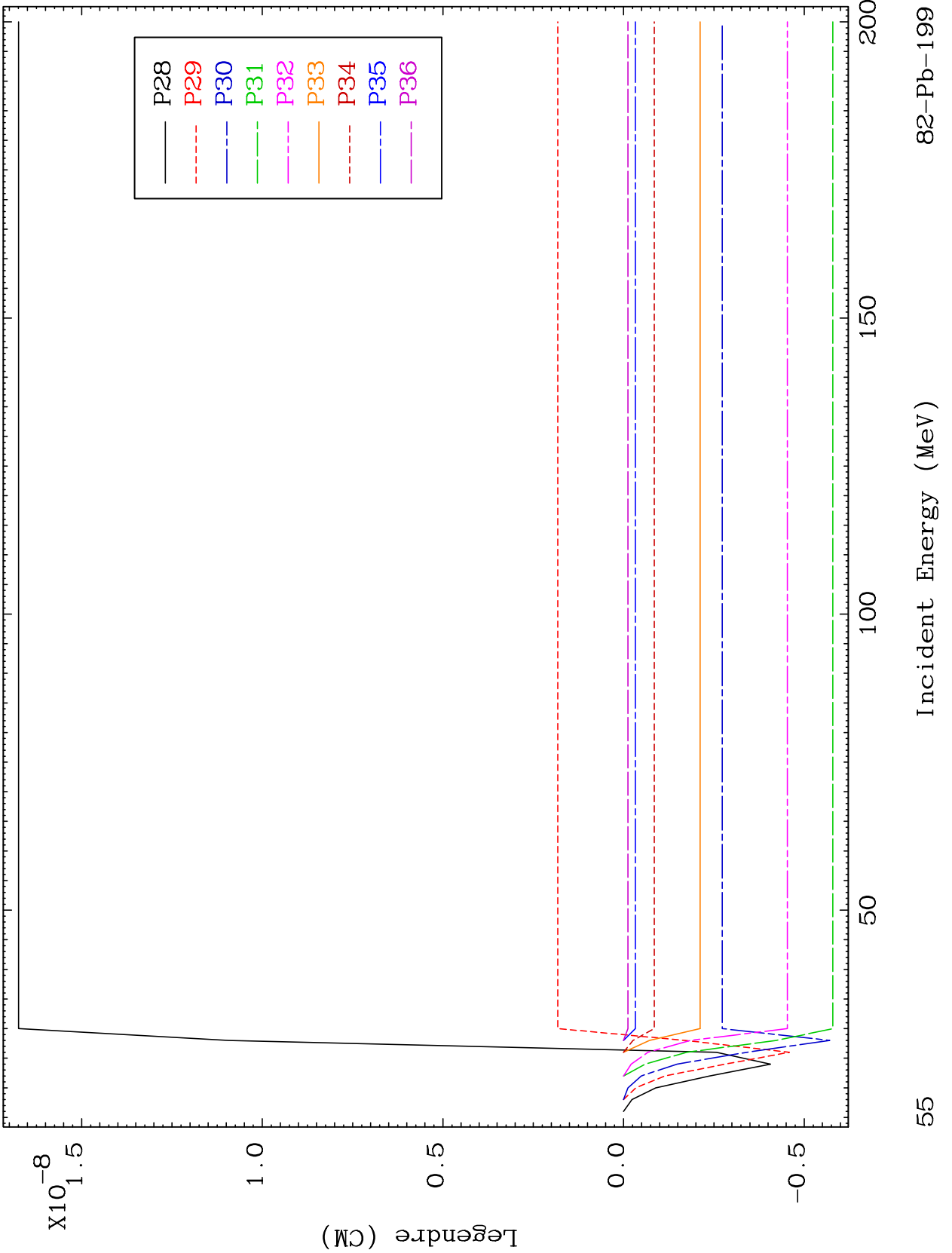
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



55

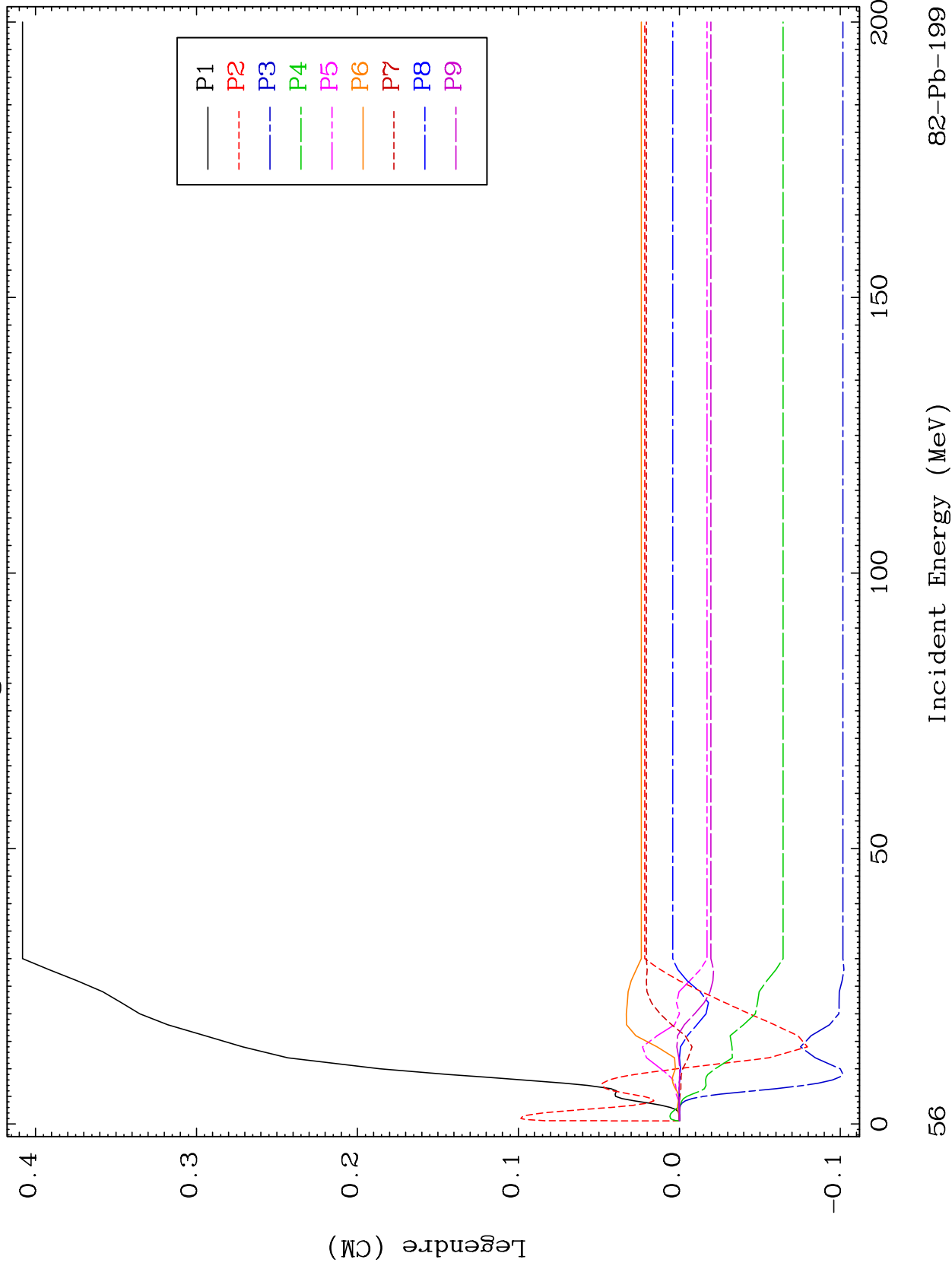
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



82-Pb-199

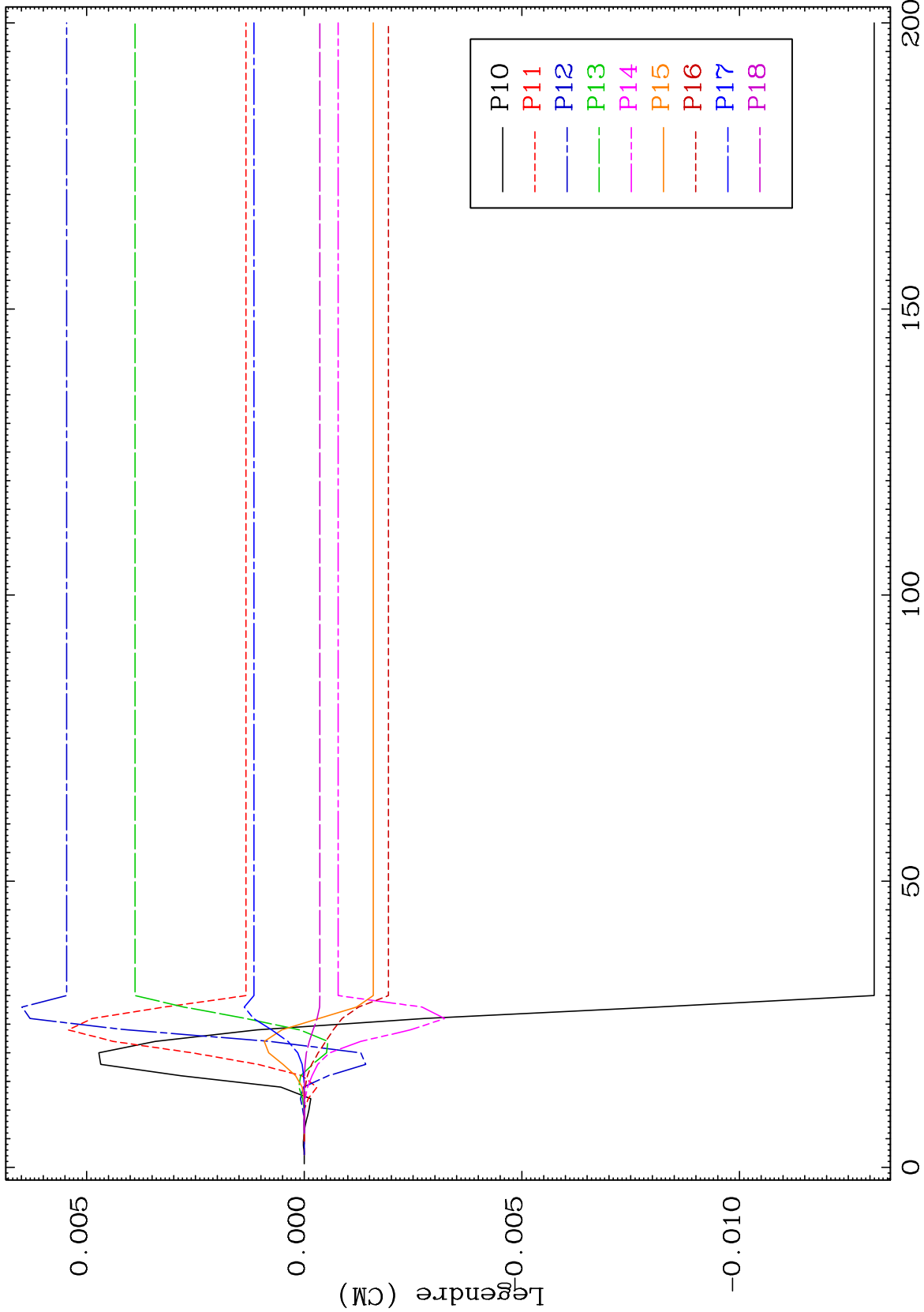
Incident Energy (MeV)

56

MAT 8210

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

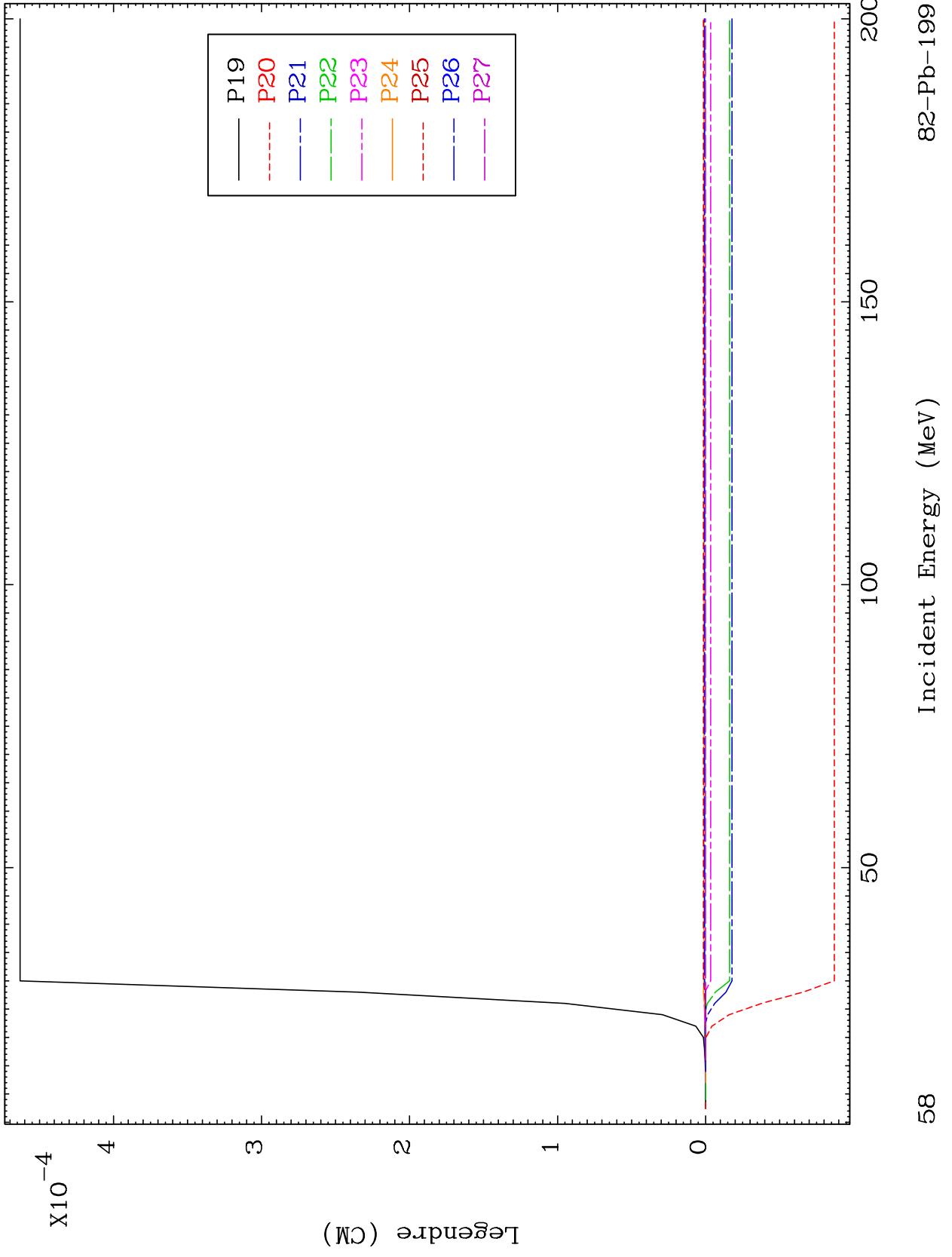
82-Pb-199



MAT 8210

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

82-Pb-199



58

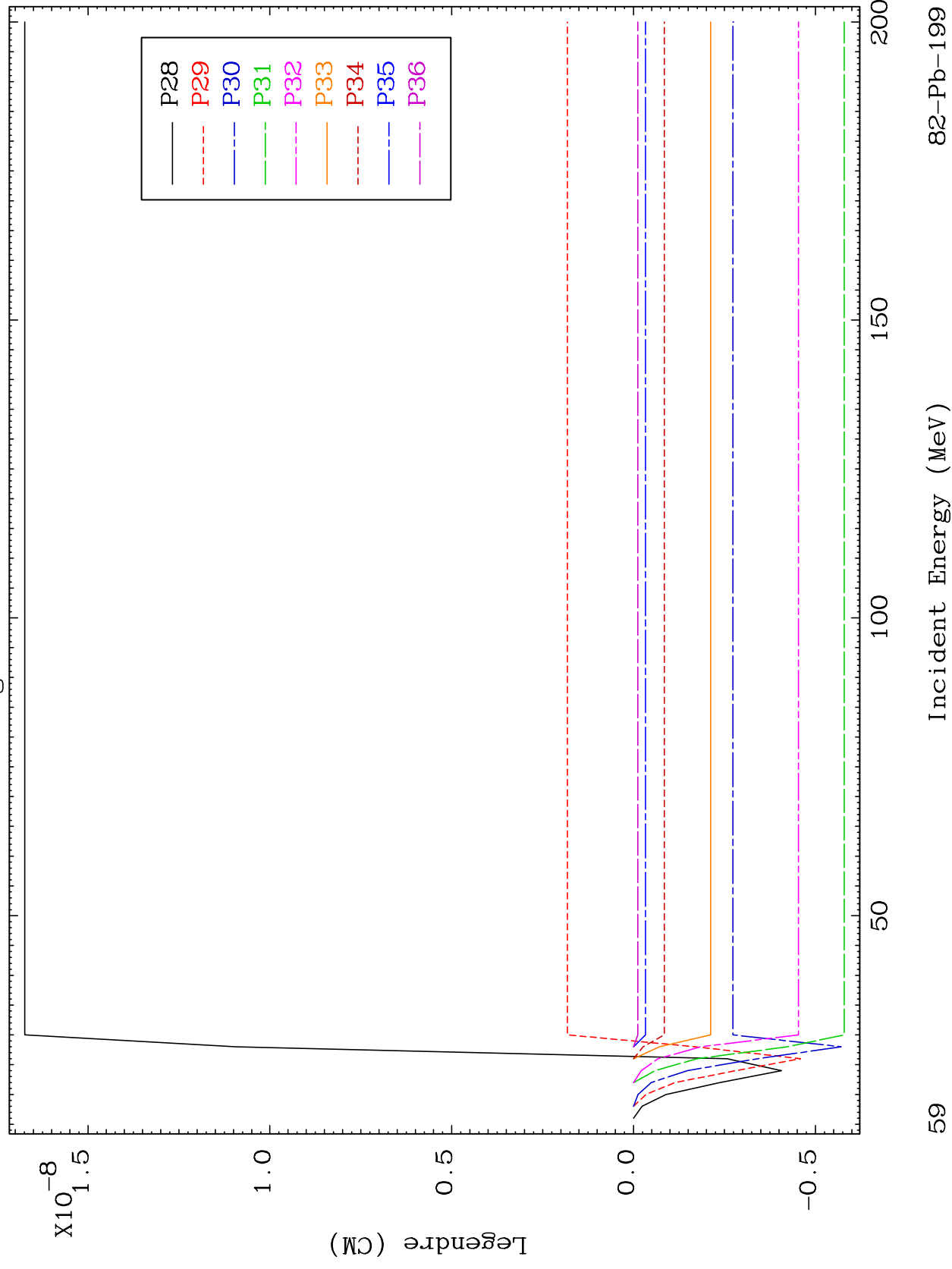
Incident Energy (MeV)

82-Pb-199

MAT 8210

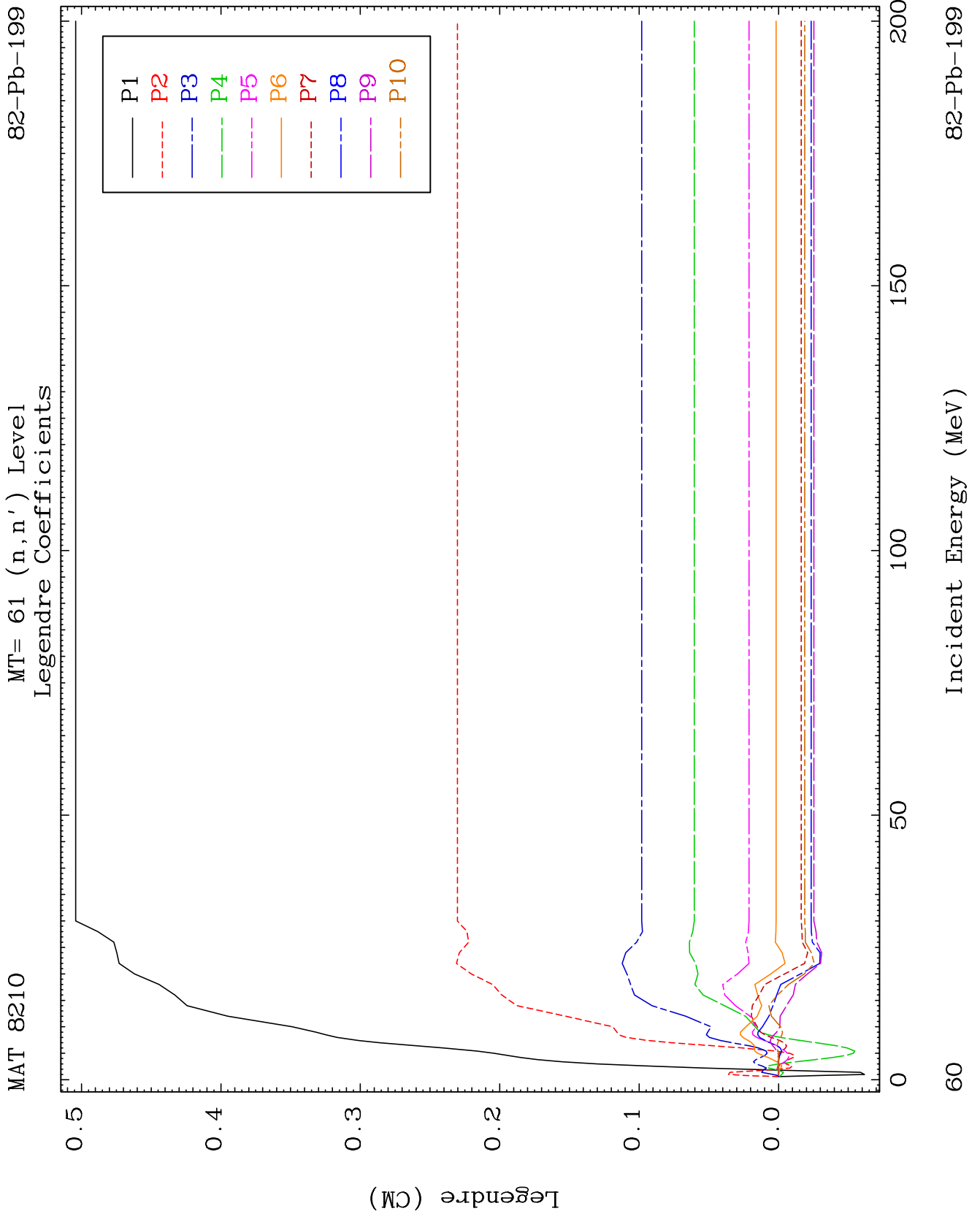
MT= 60 (n,n') Level
Legendre Coefficients

82-Pb-199



59

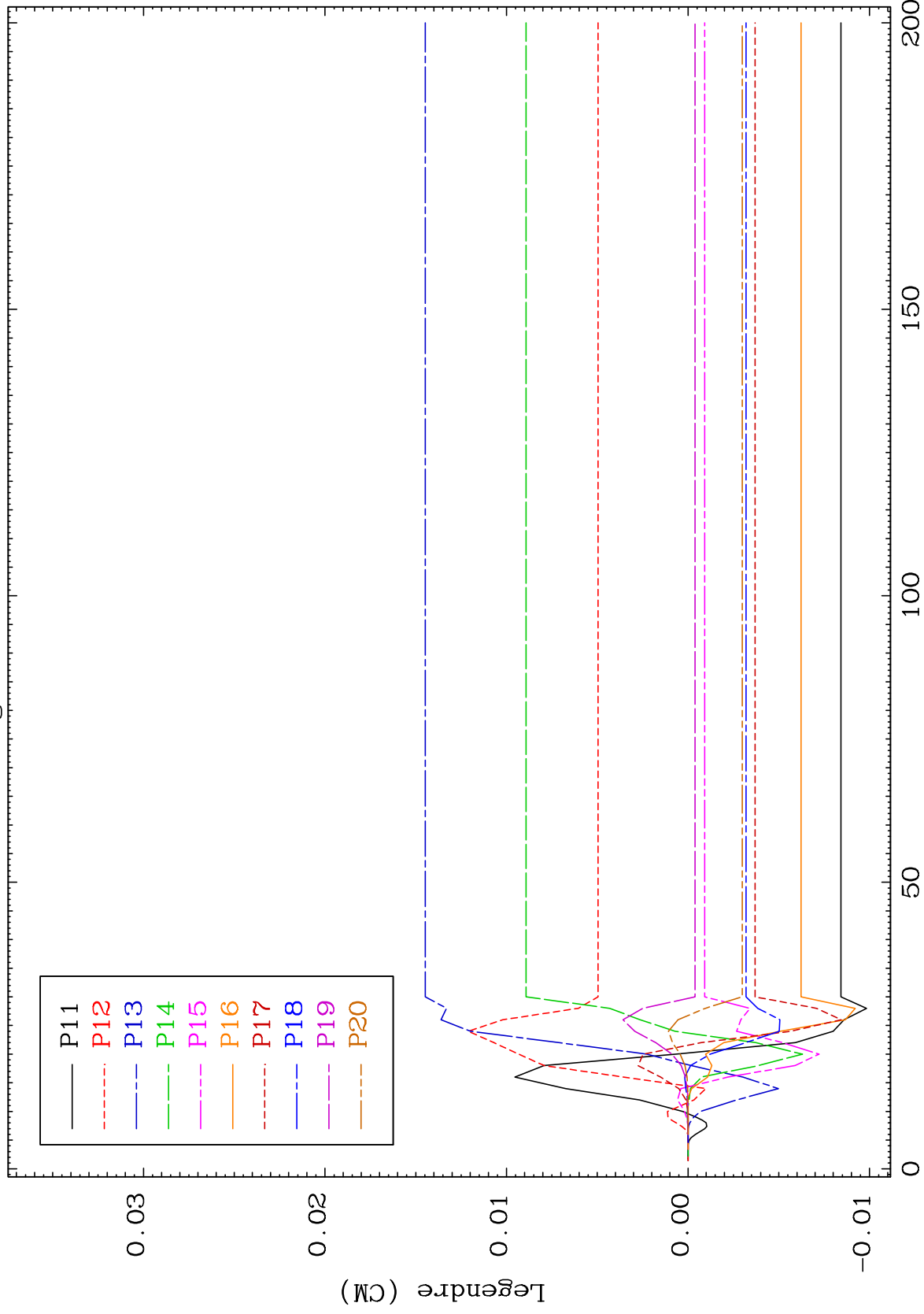
82-Pb-199



MAT 8210

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

82-Pb-199



61

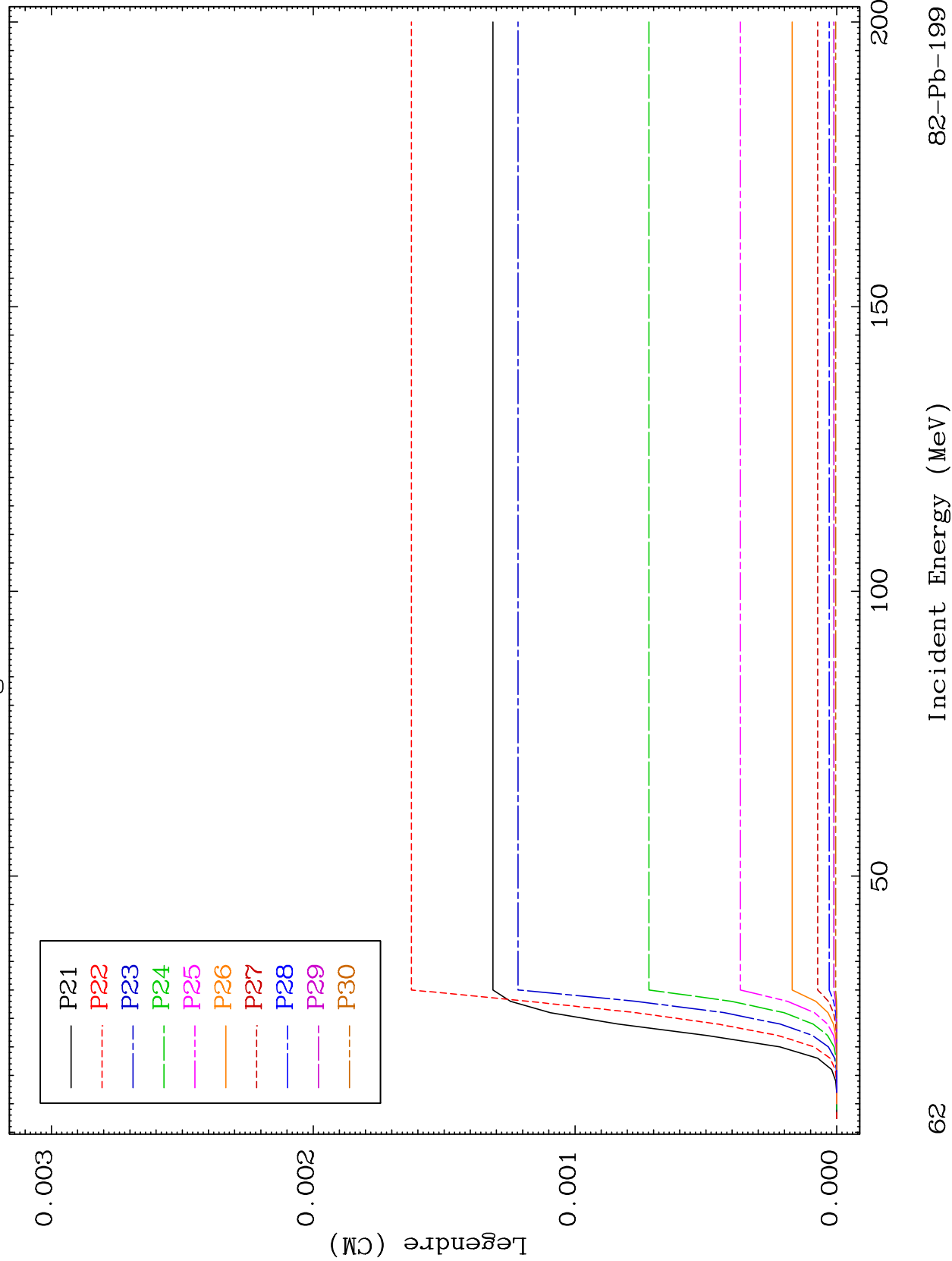
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



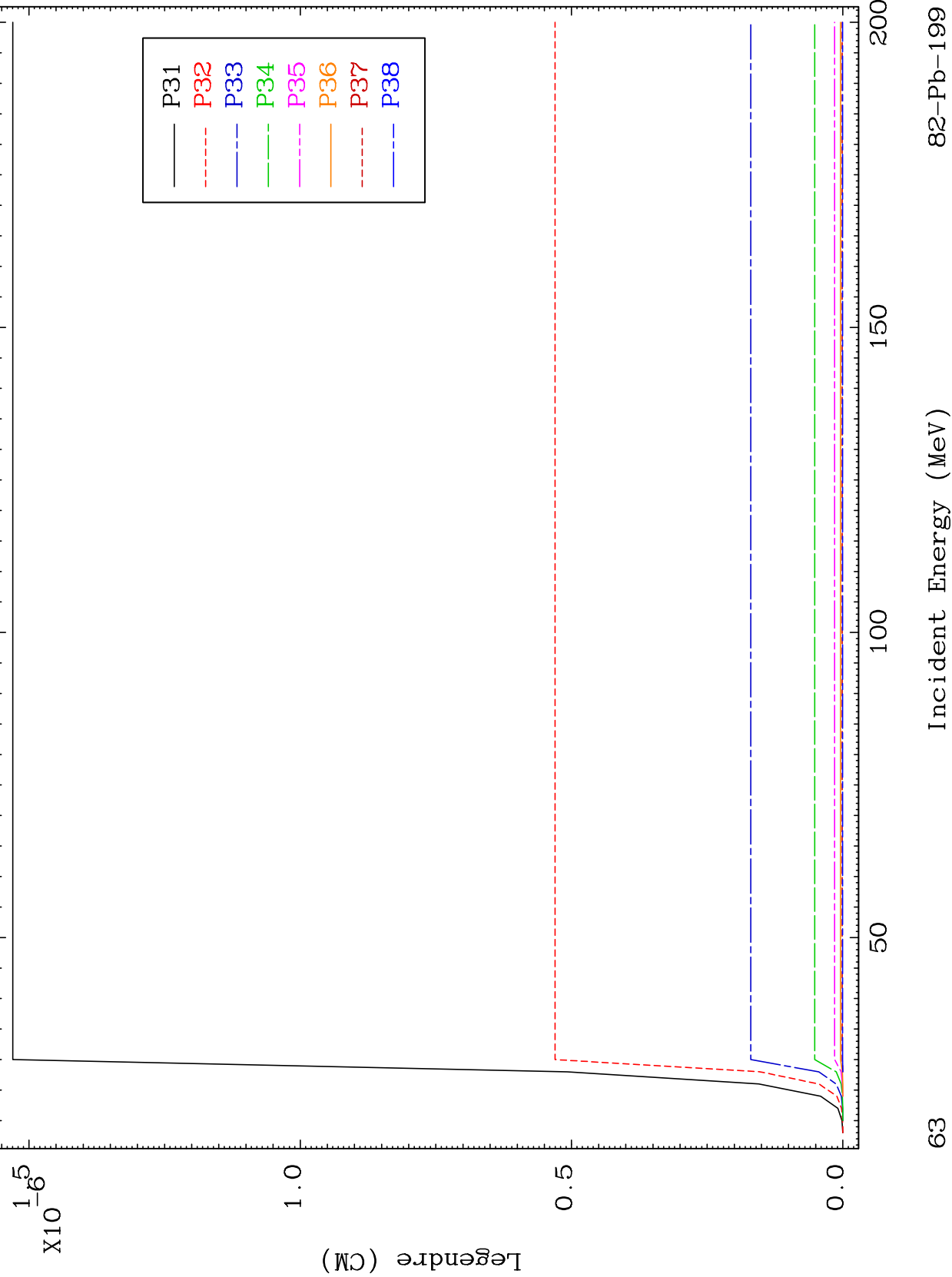
62

82-Pb-199

MAT 8210

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

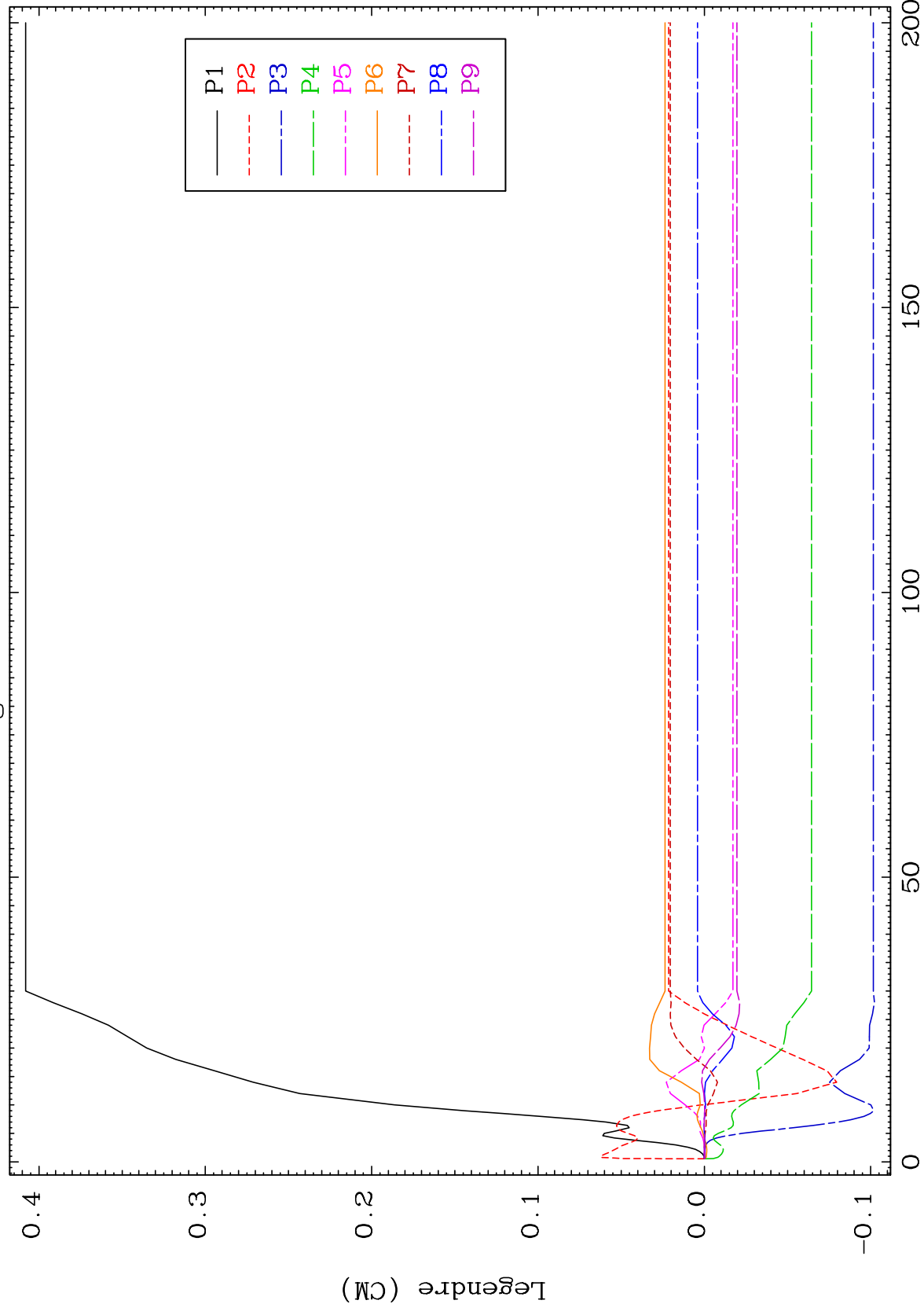
82-Pb-199



MAT 8210

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

82-Pb-199



64

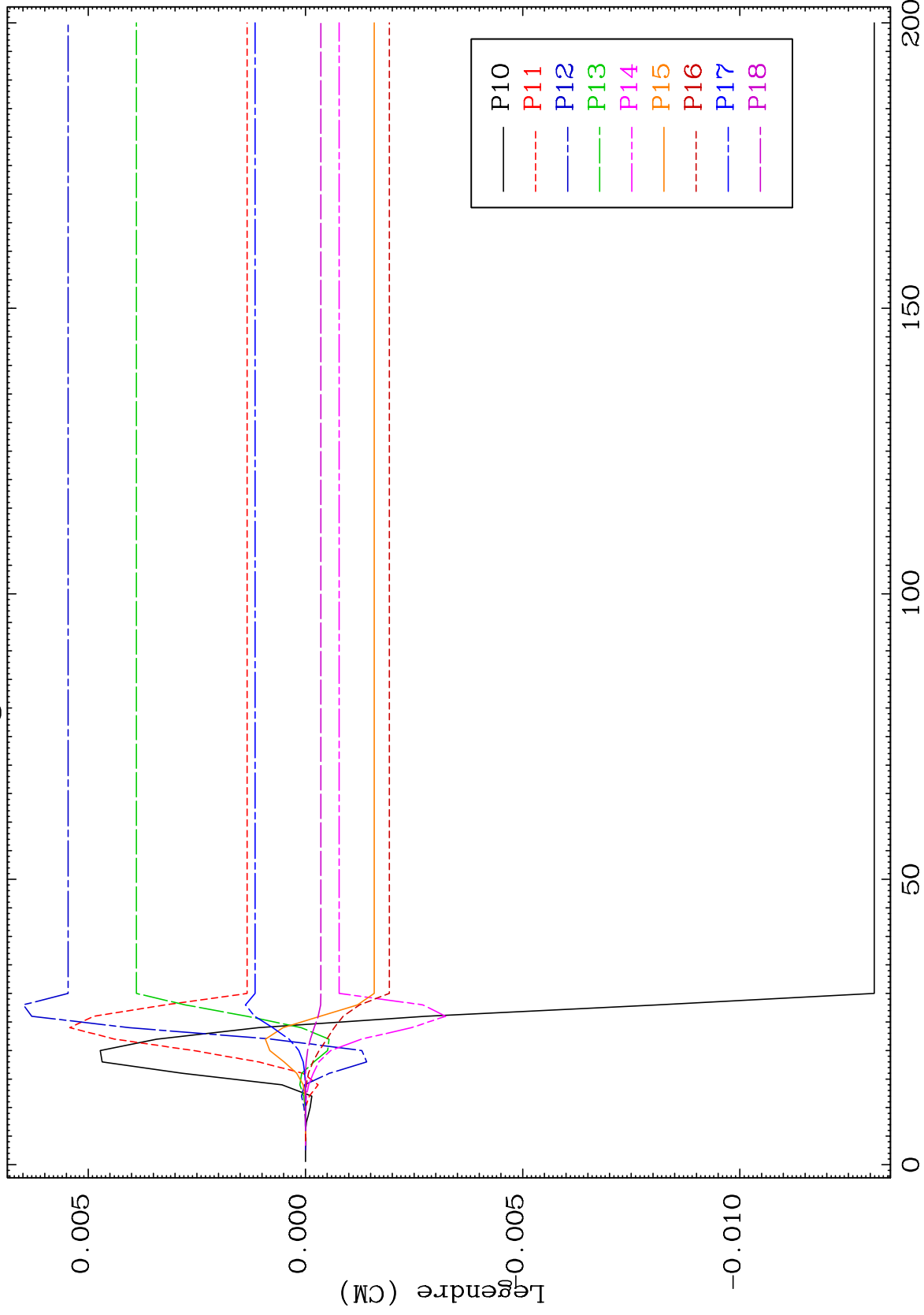
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



65

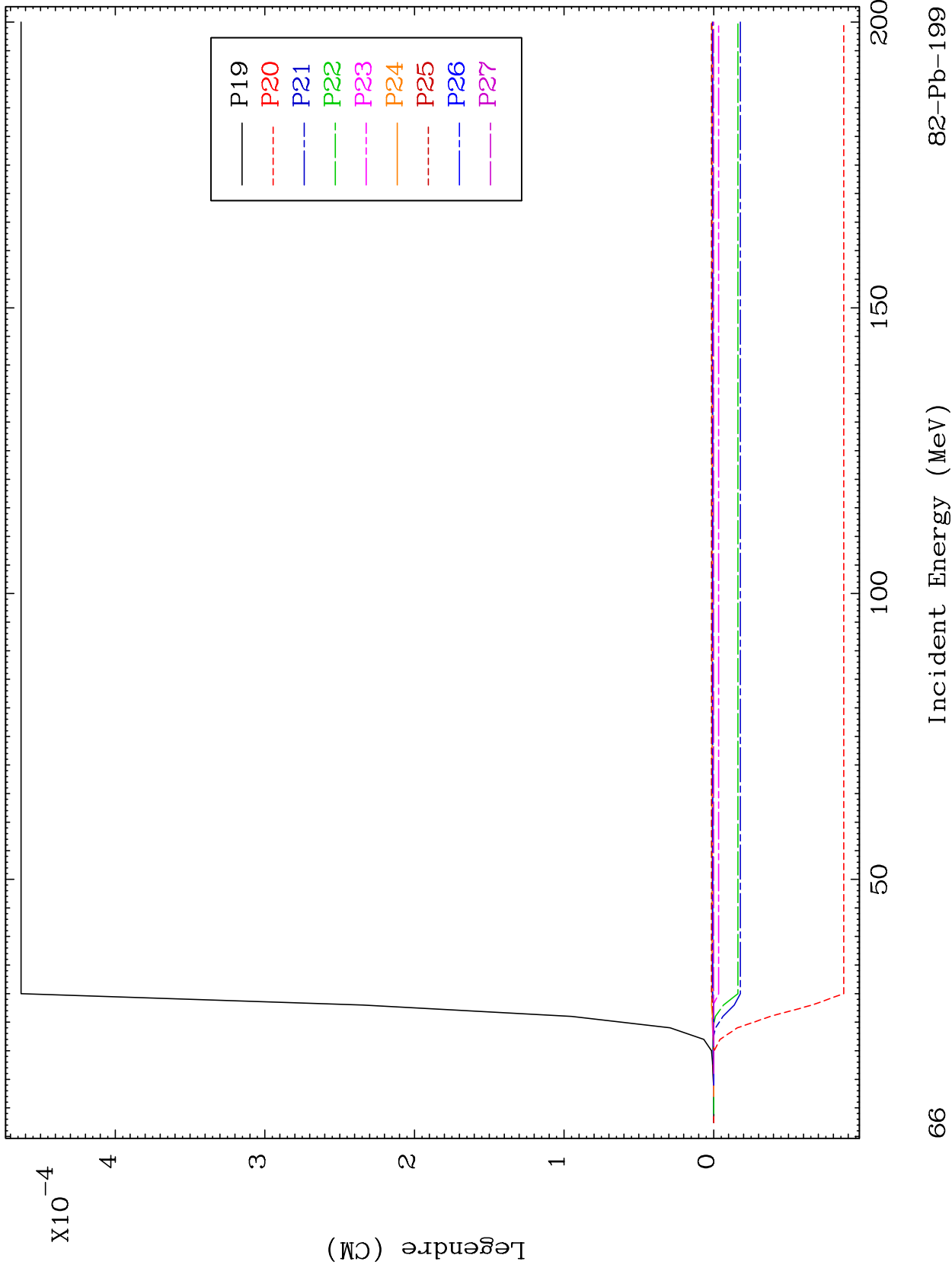
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



66

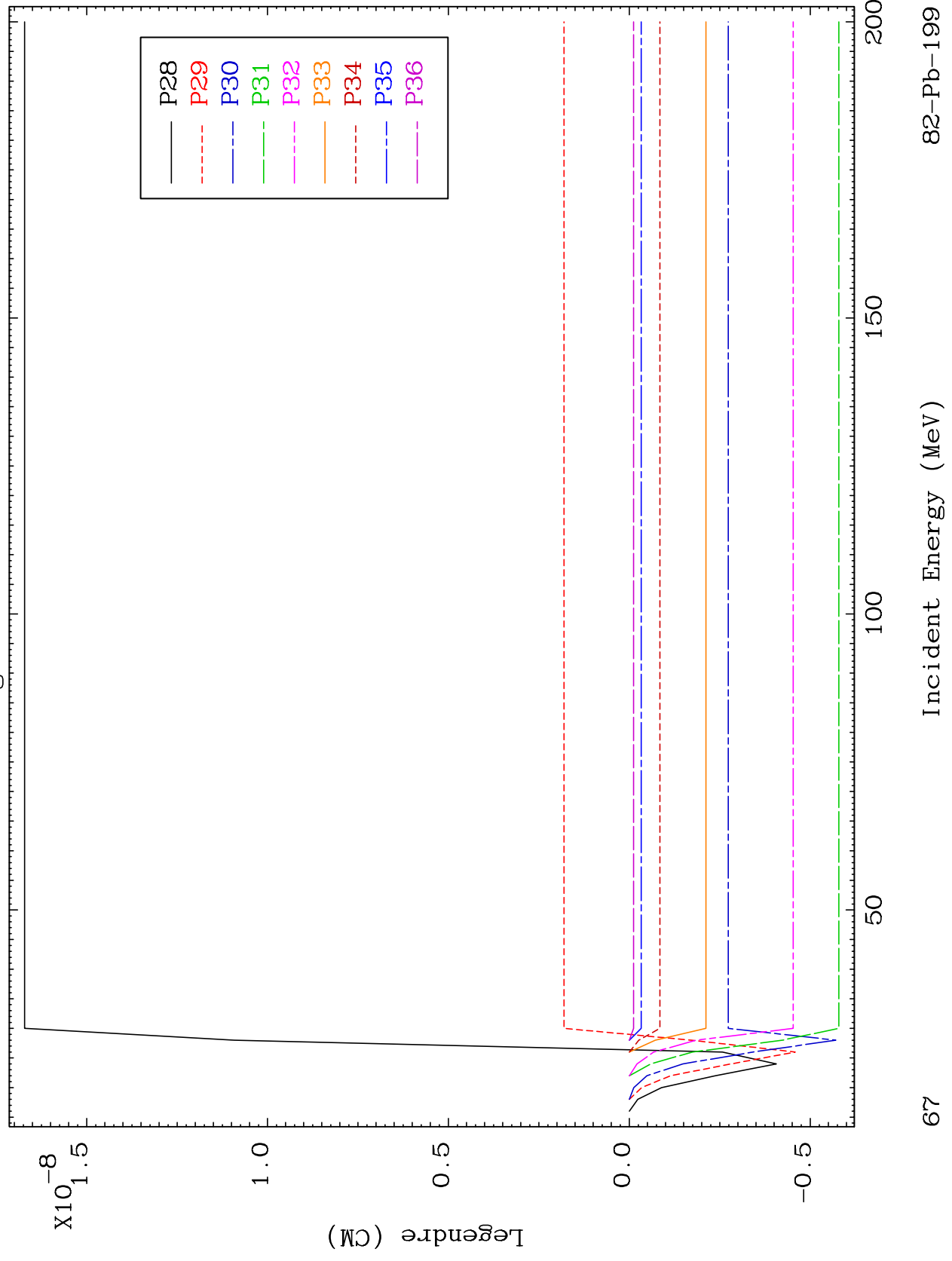
Incident Energy (MeV)

82-Pb-199

MAT 8210

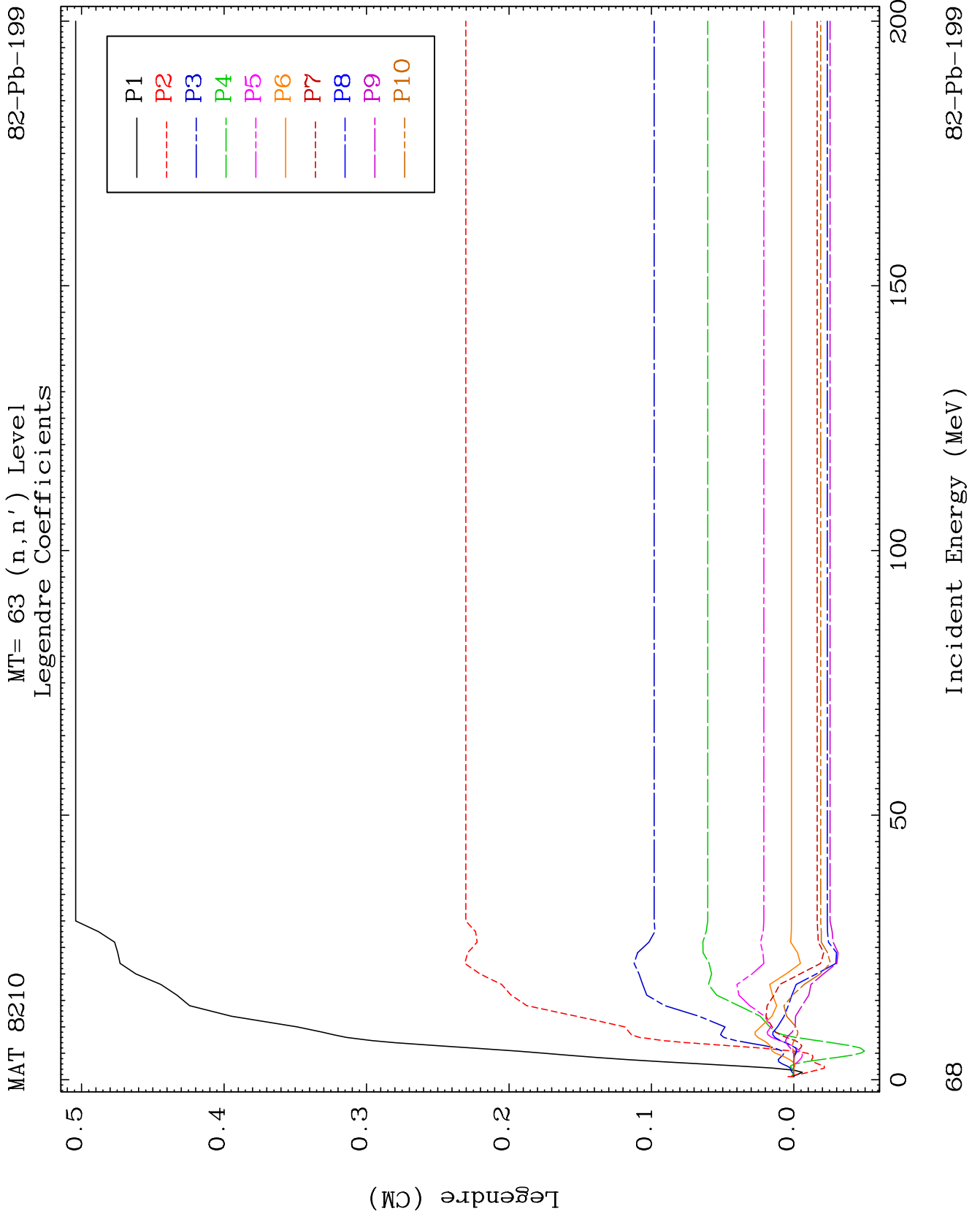
MT= 62 (n,n') Level
Legendre Coefficients

82-Pb-199



67

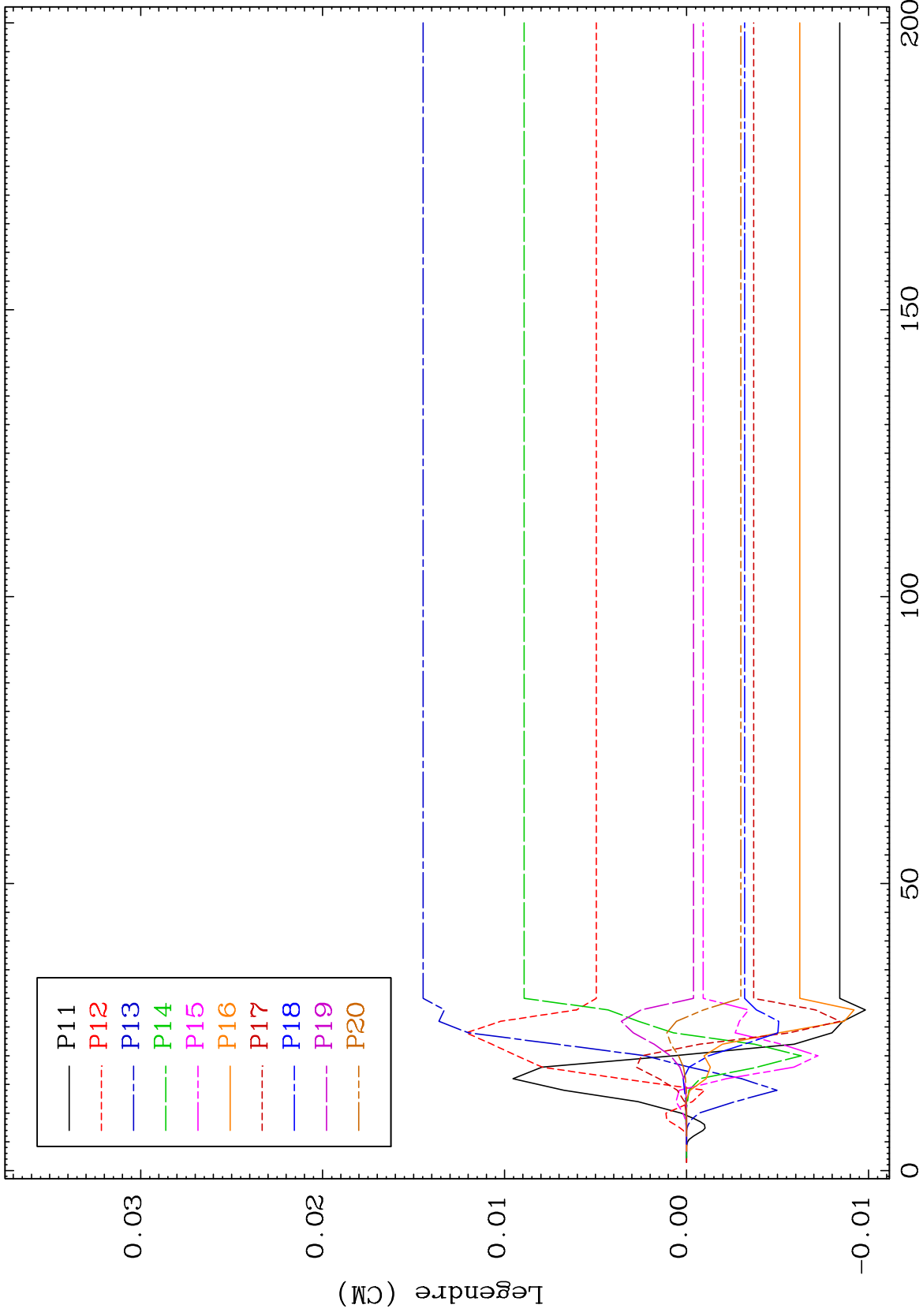
82-Pb-199



MAT 8210

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

82-Pb-199



69

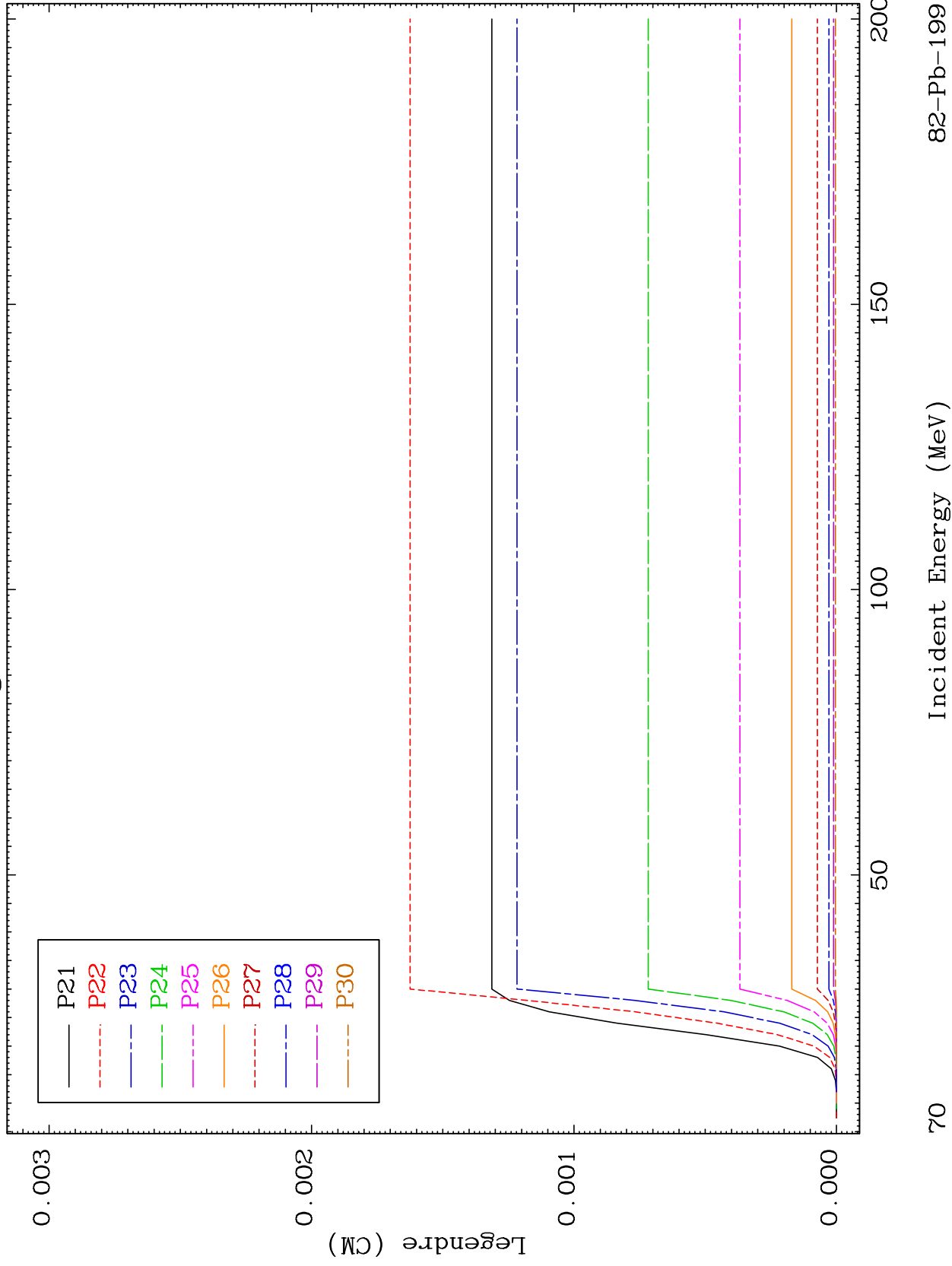
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



70

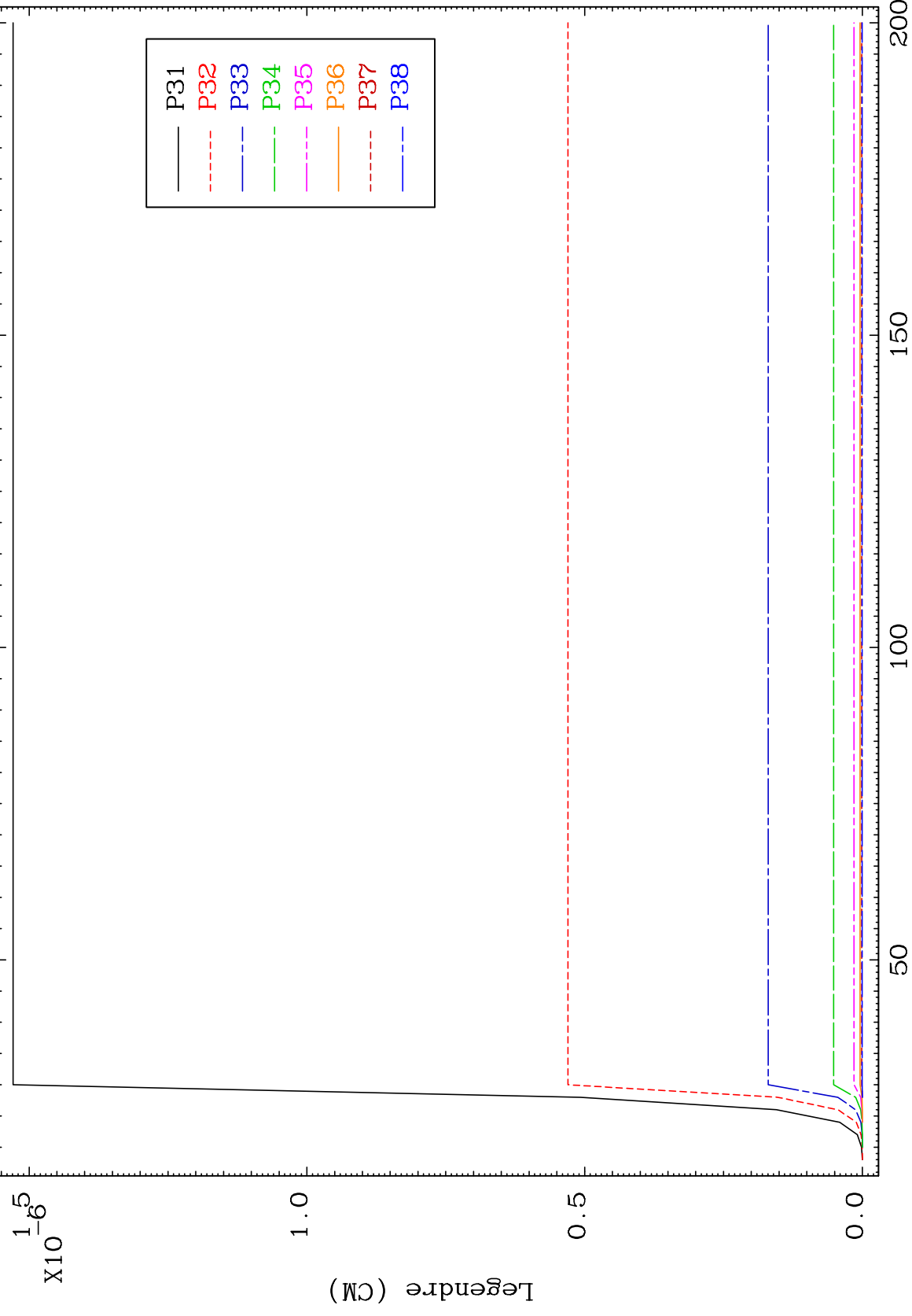
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



71

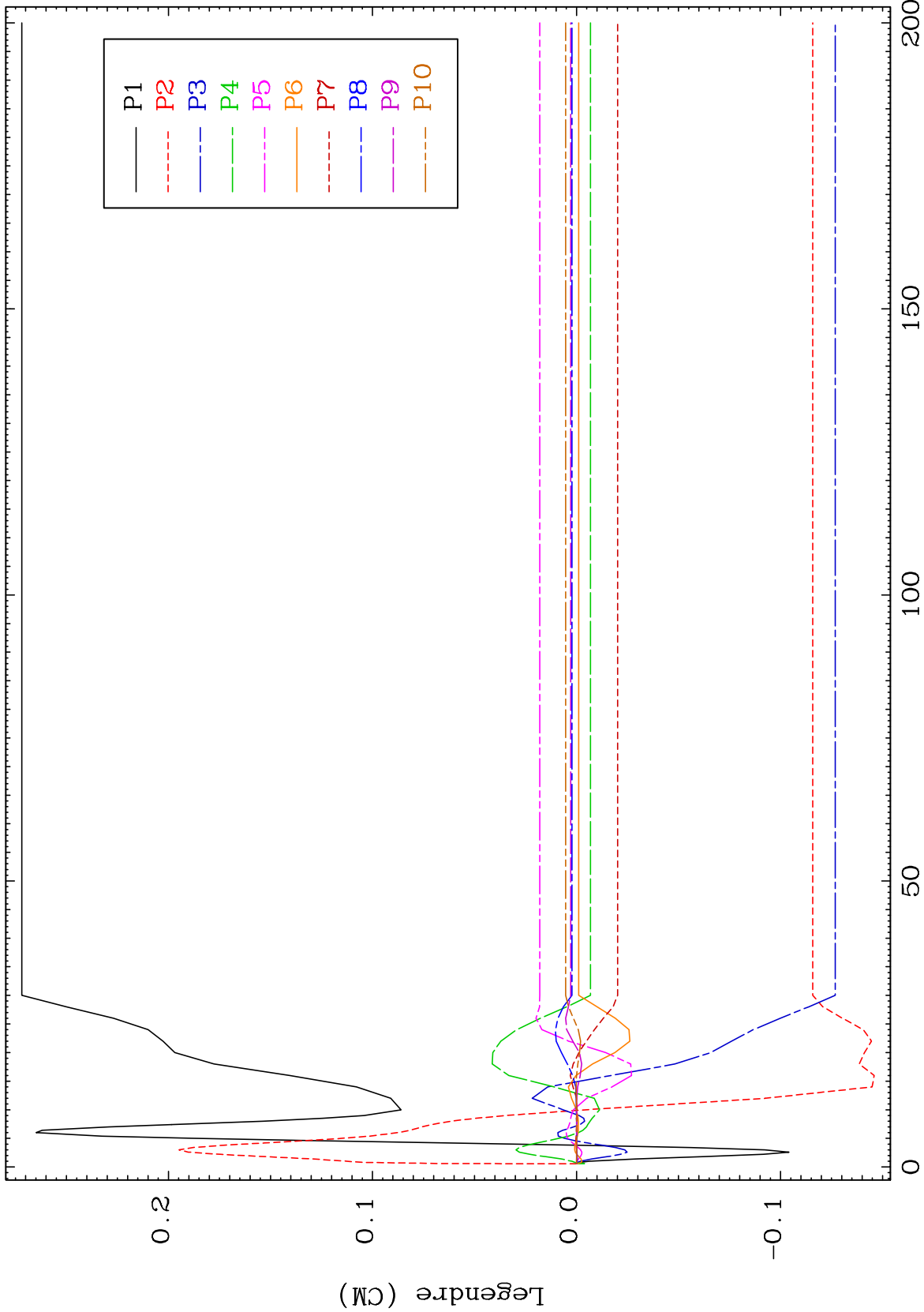
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



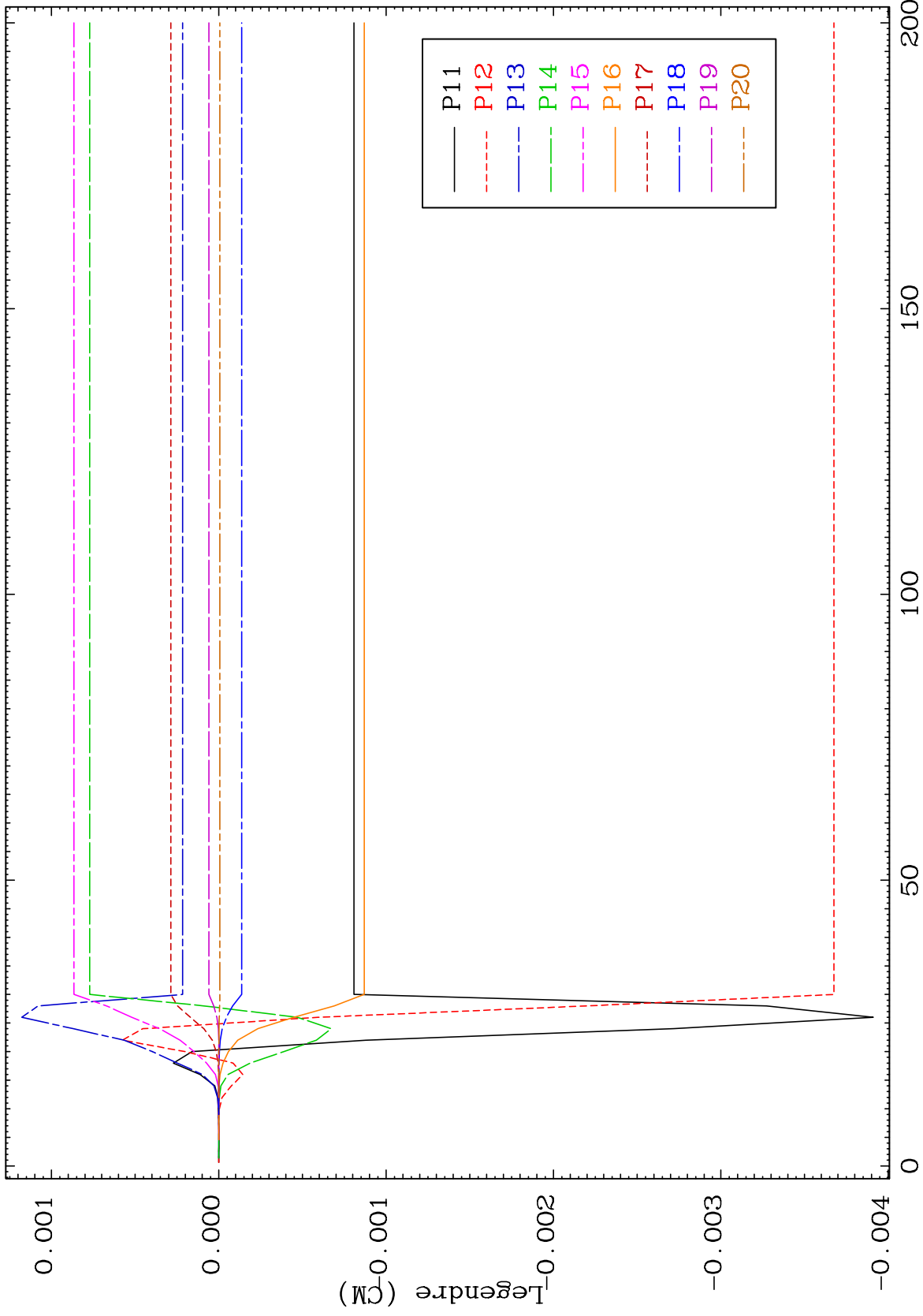
72

82-Pb-199

MAT 8210

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

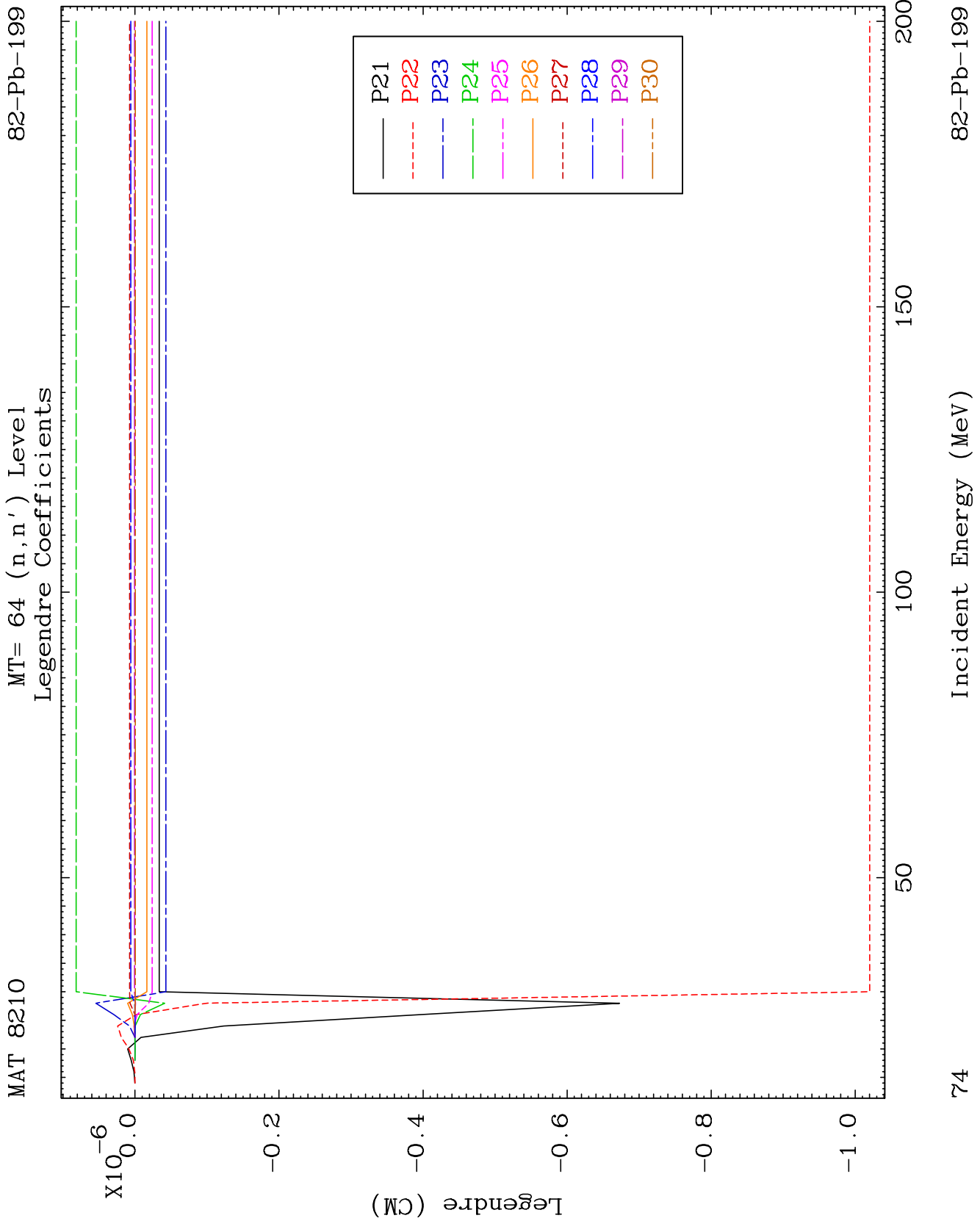
82-Pb-199

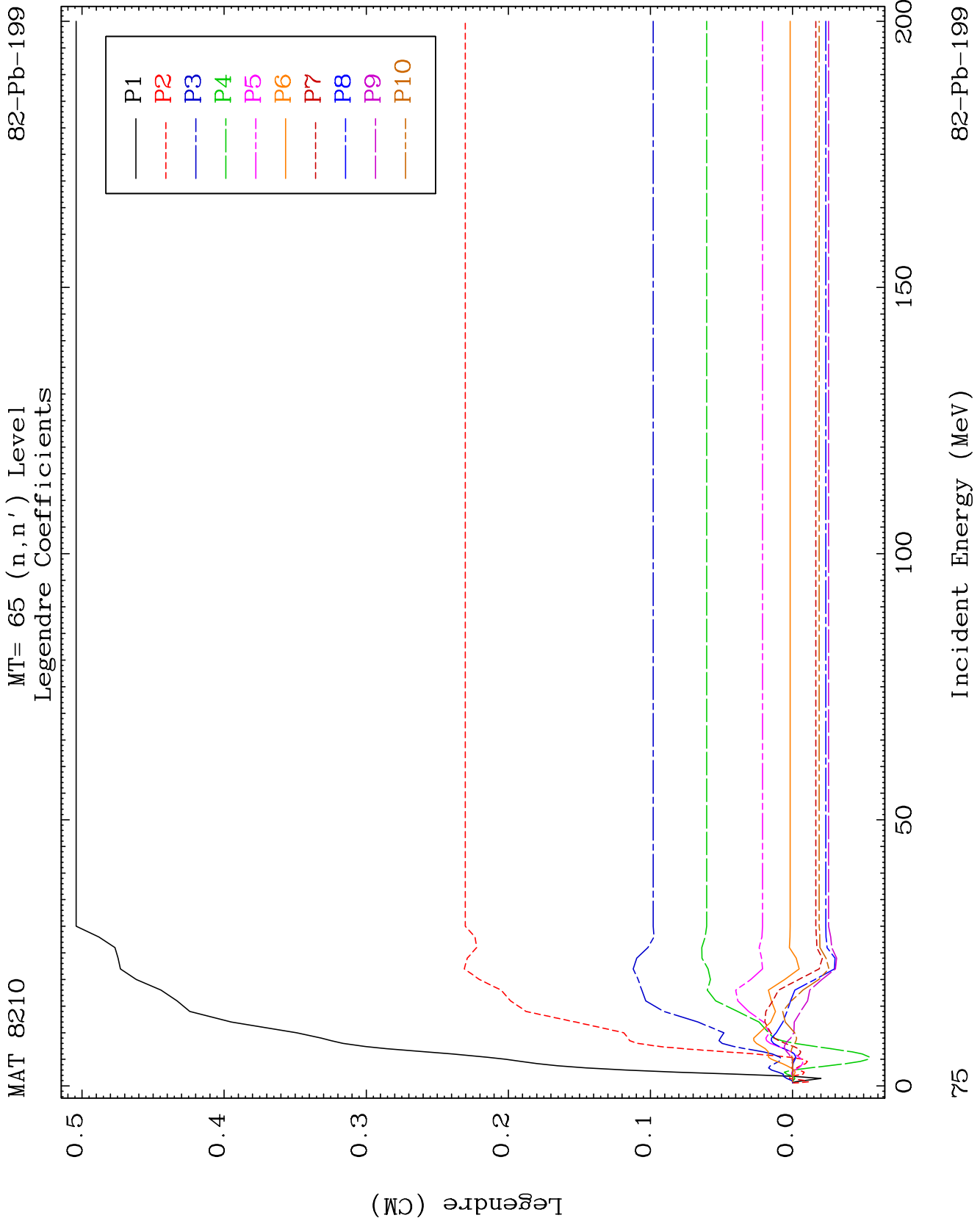


73

Incident Energy (MeV)

82-Pb-199

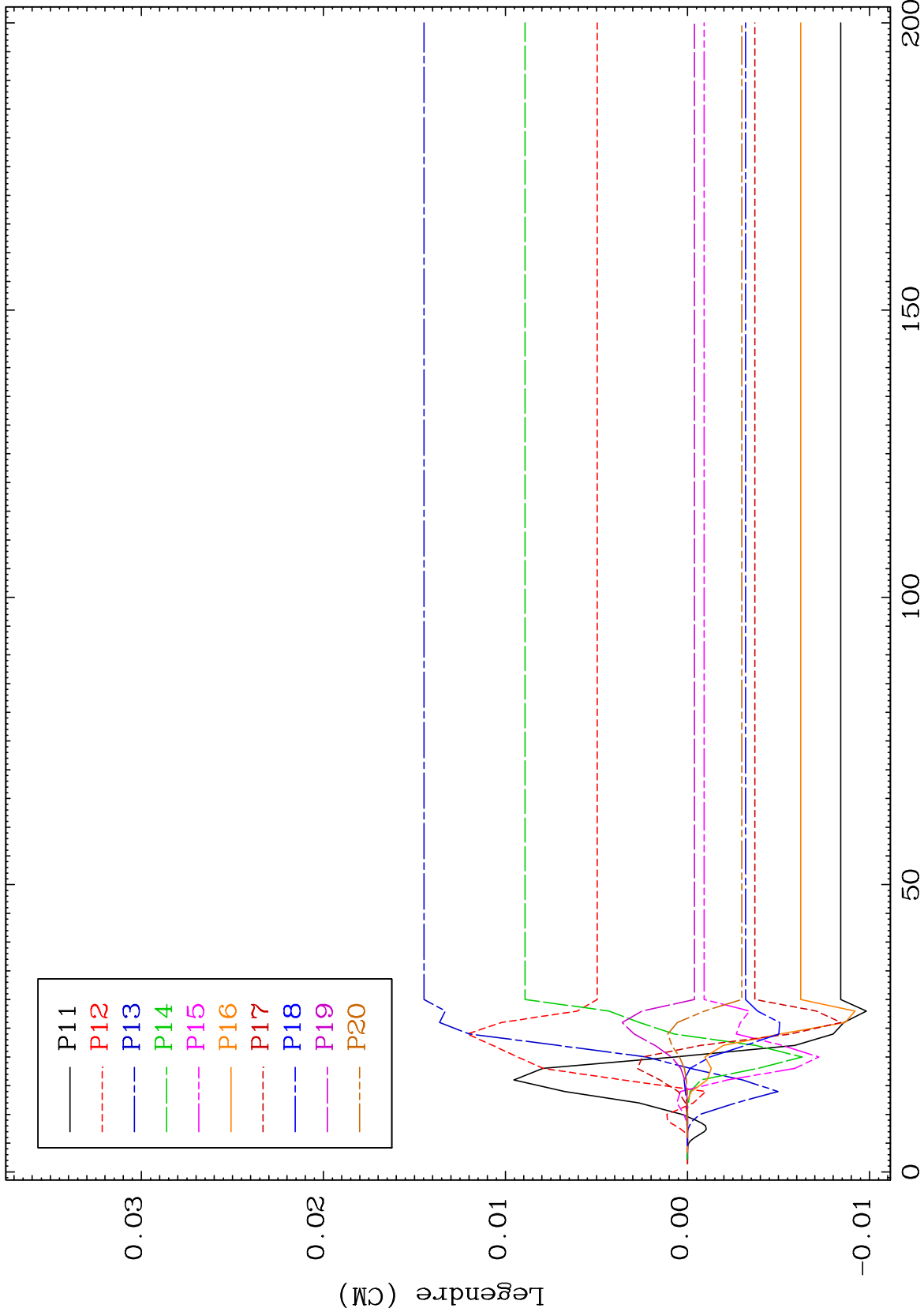




MAT 8210

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

82-Pb-199



76

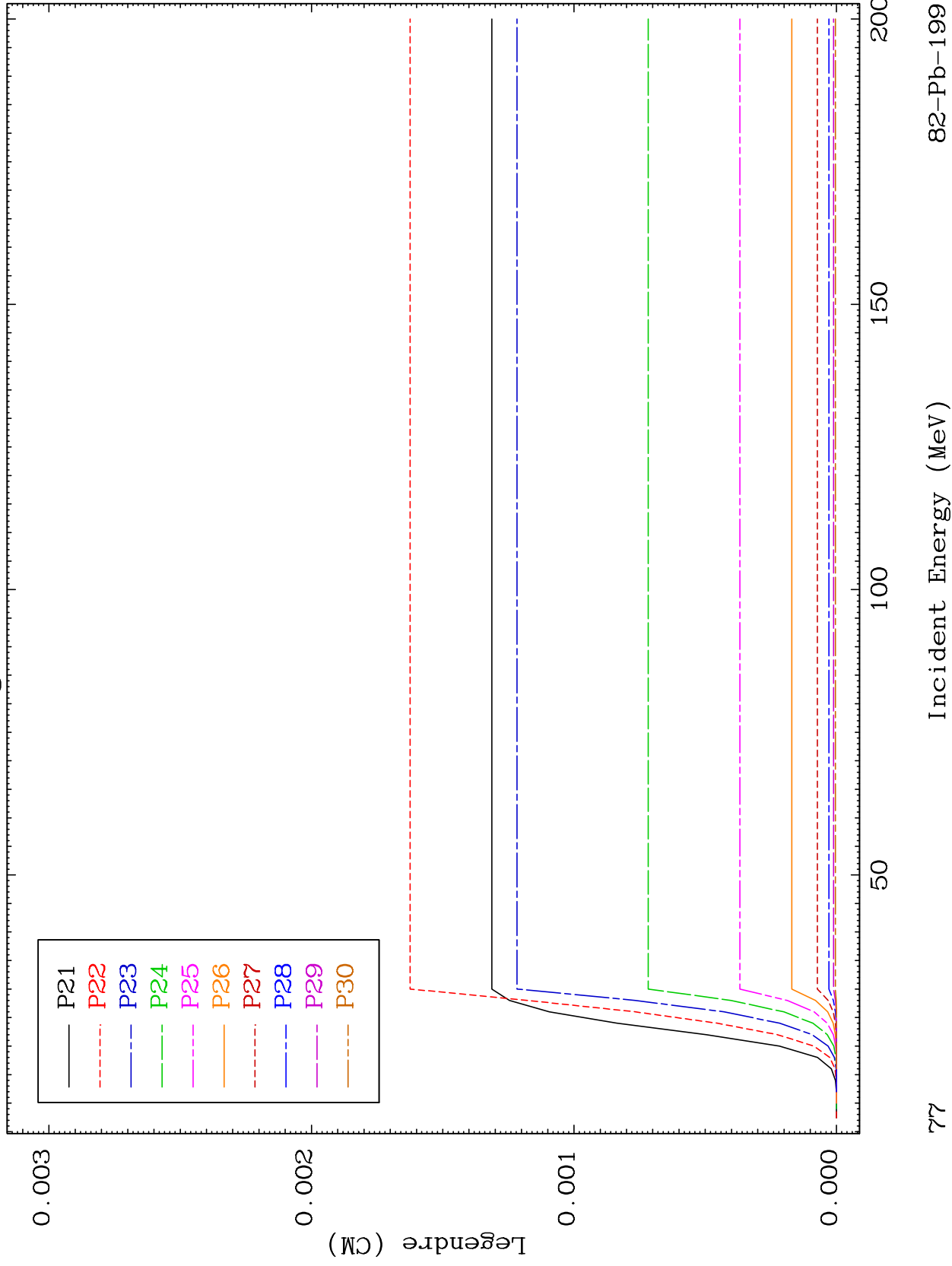
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

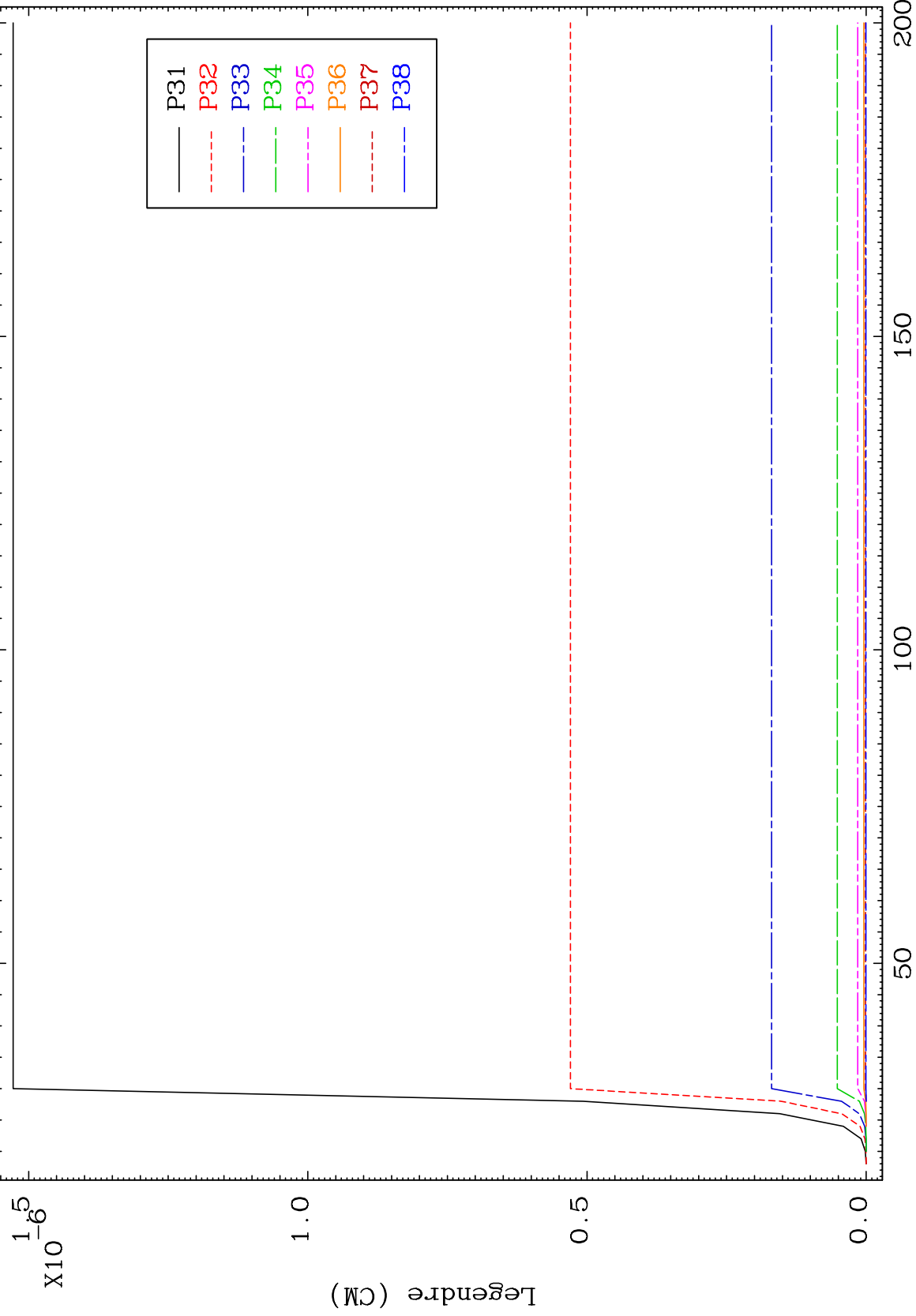
82-Pb-199



MAT 8210

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

82-Pb-199



78

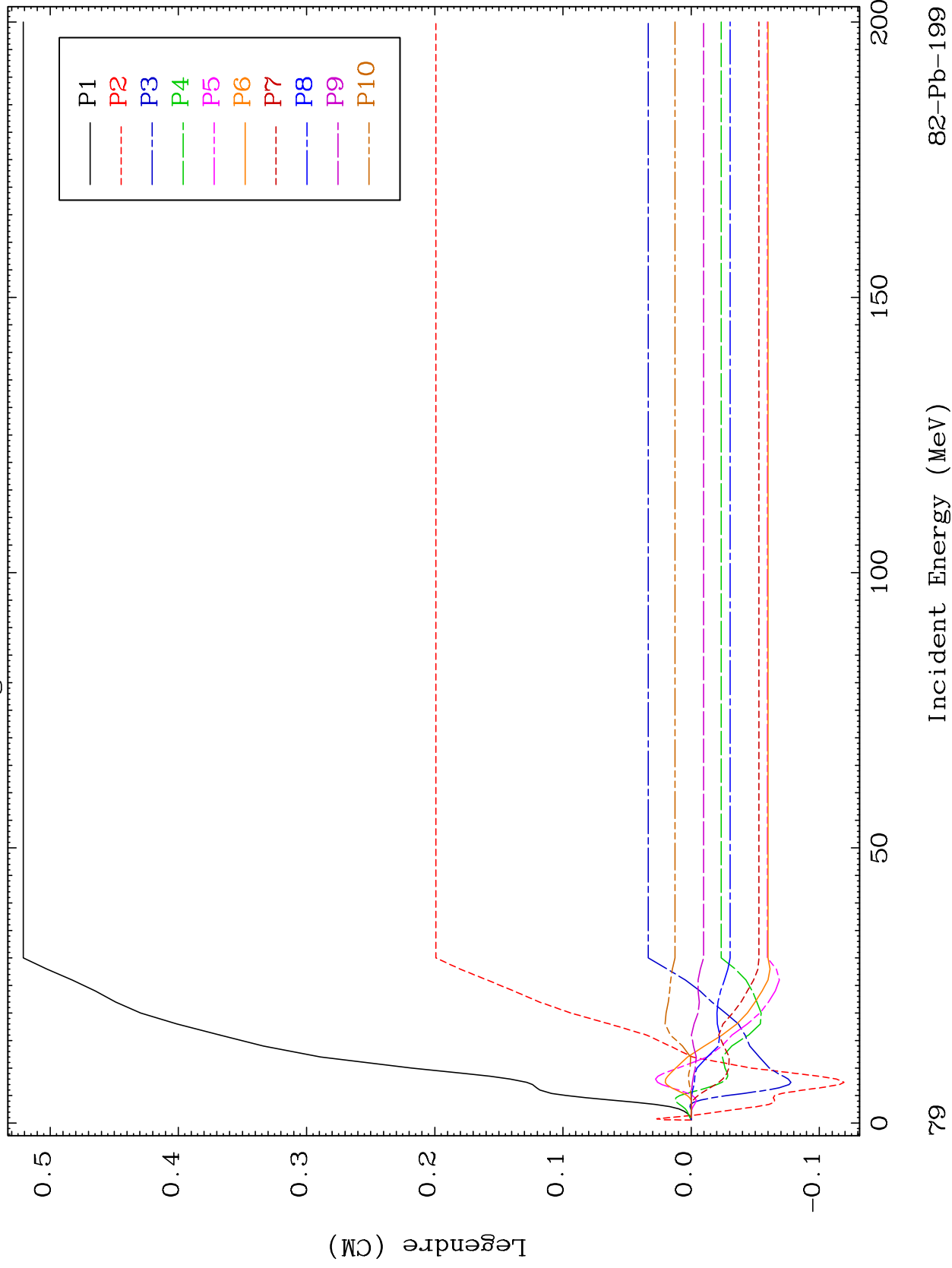
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



79

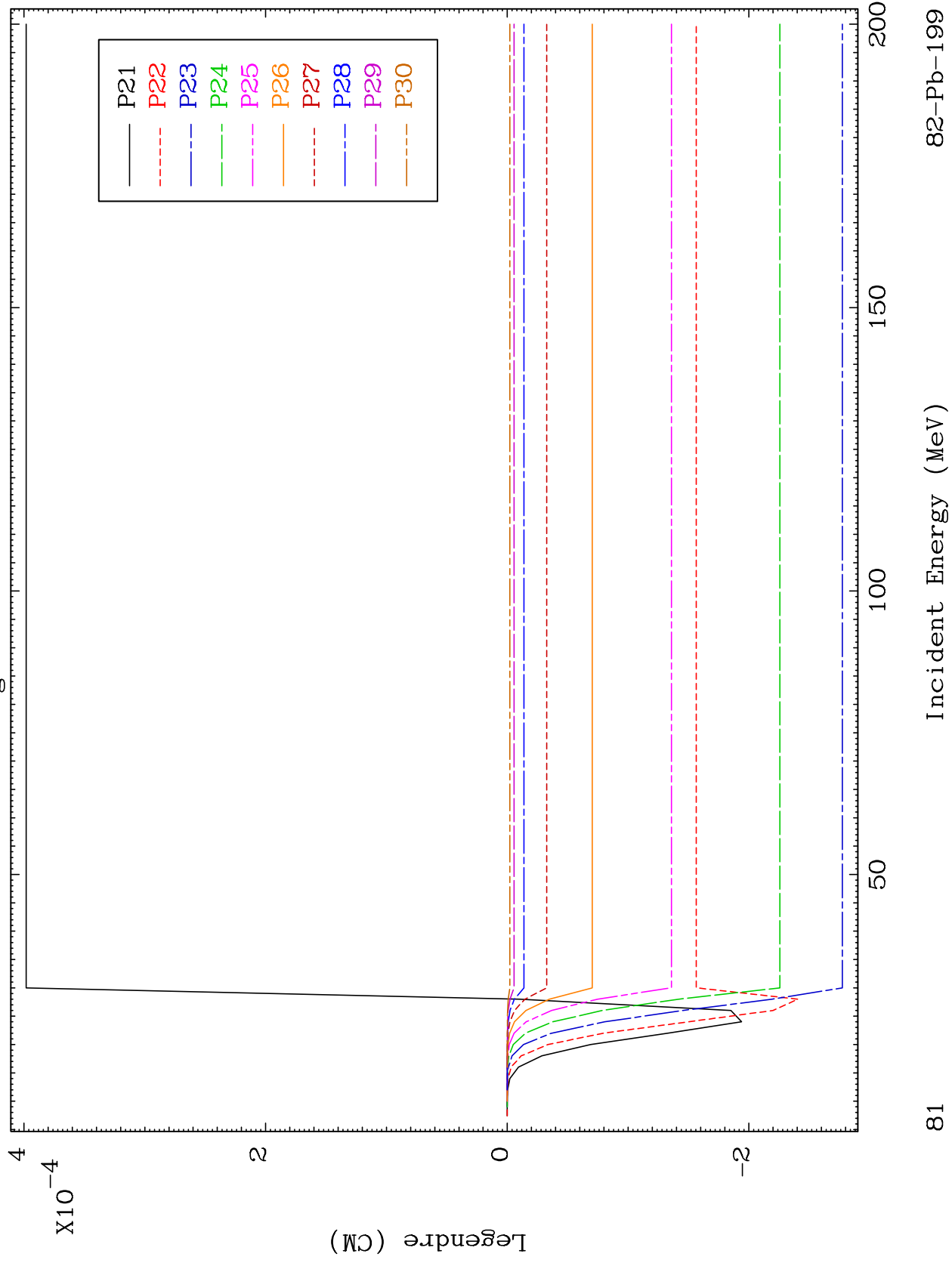
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

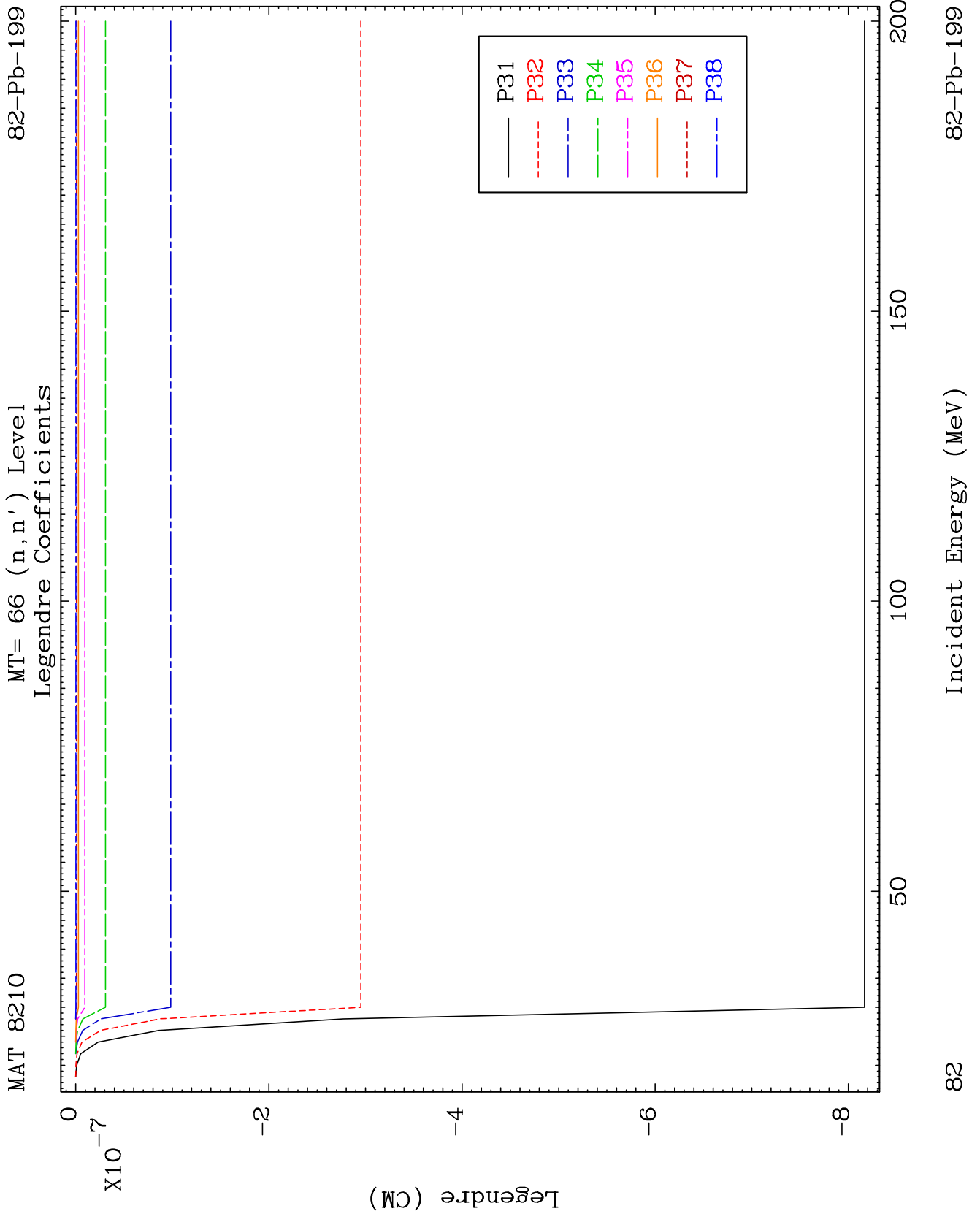
82-Pb-199



81

Incident Energy (MeV)

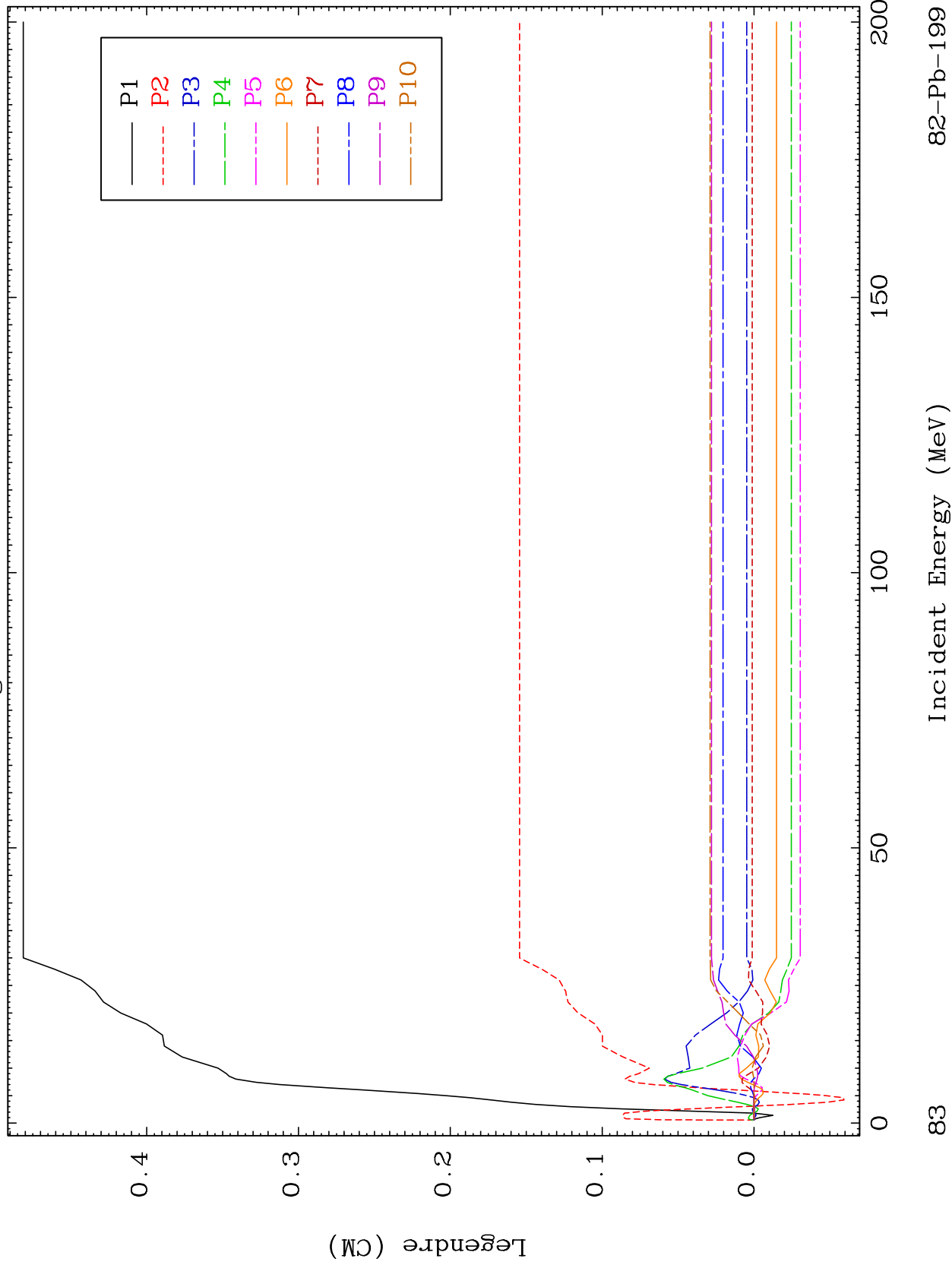
82-Pb-199



MAT 8210

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

82-Pb-199



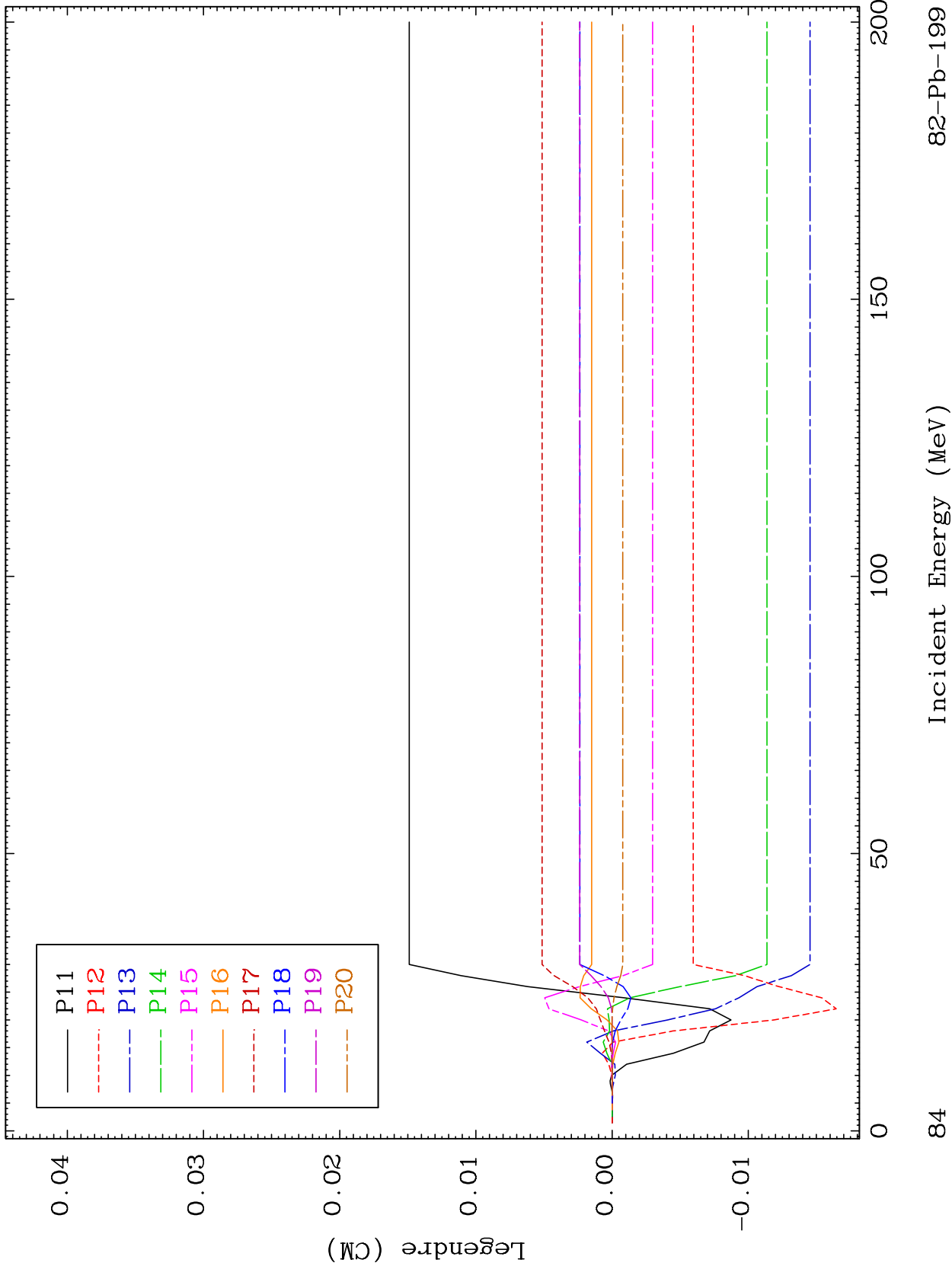
83

82-Pb-199

MAT 8210

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

82-Pb-199



84

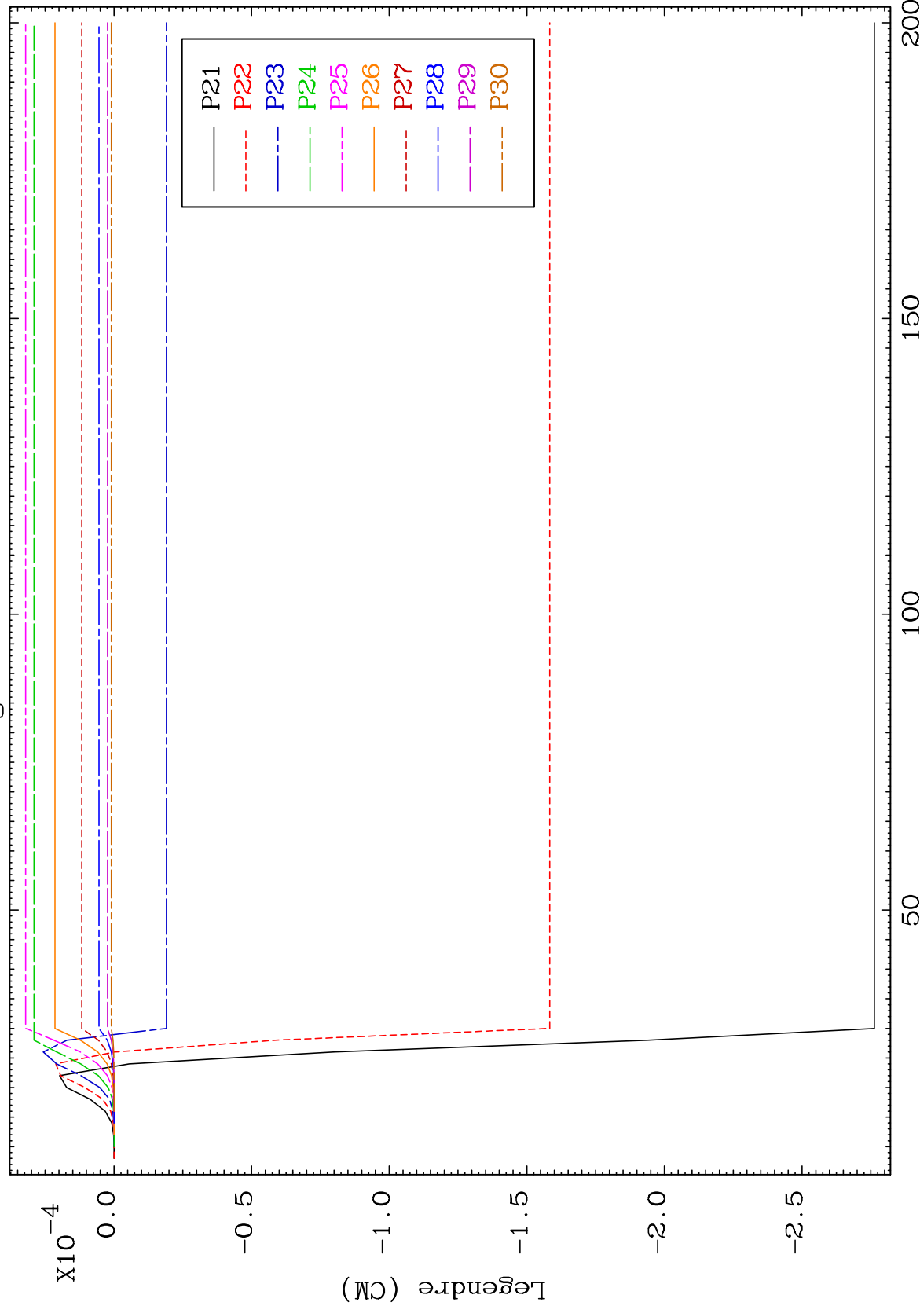
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



85

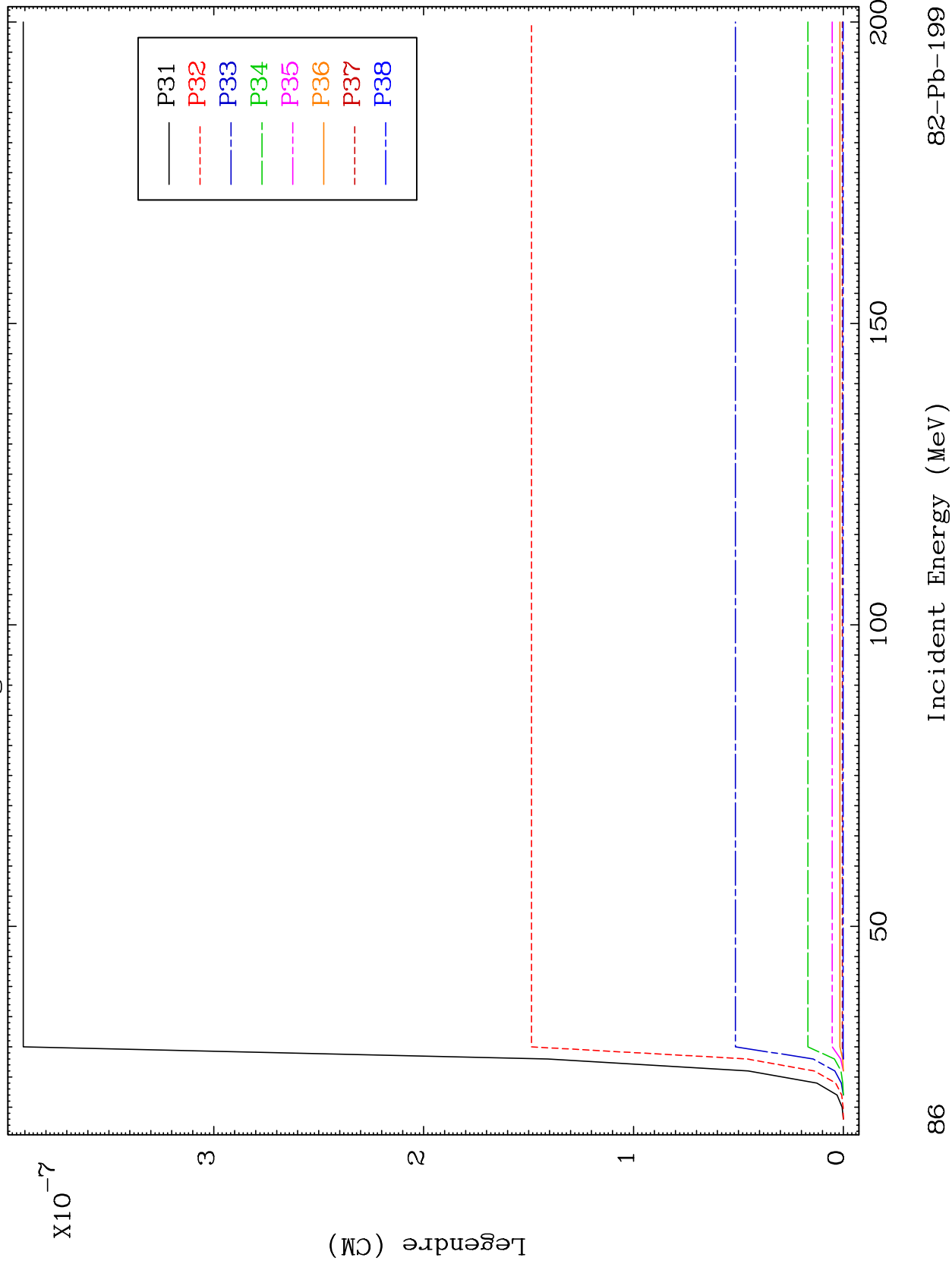
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

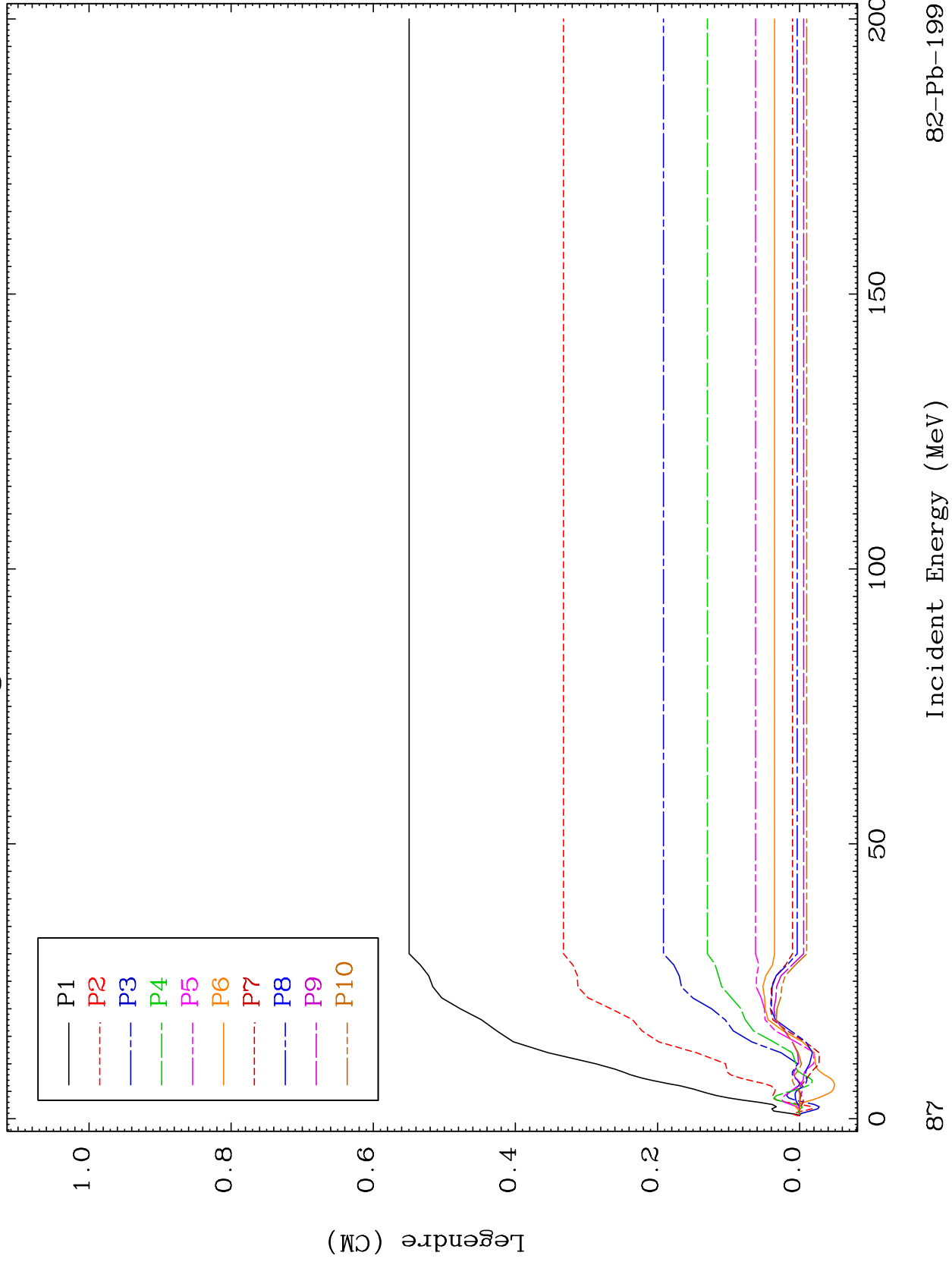
82-Pb-199



MAT 8210

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

82-Pb-199



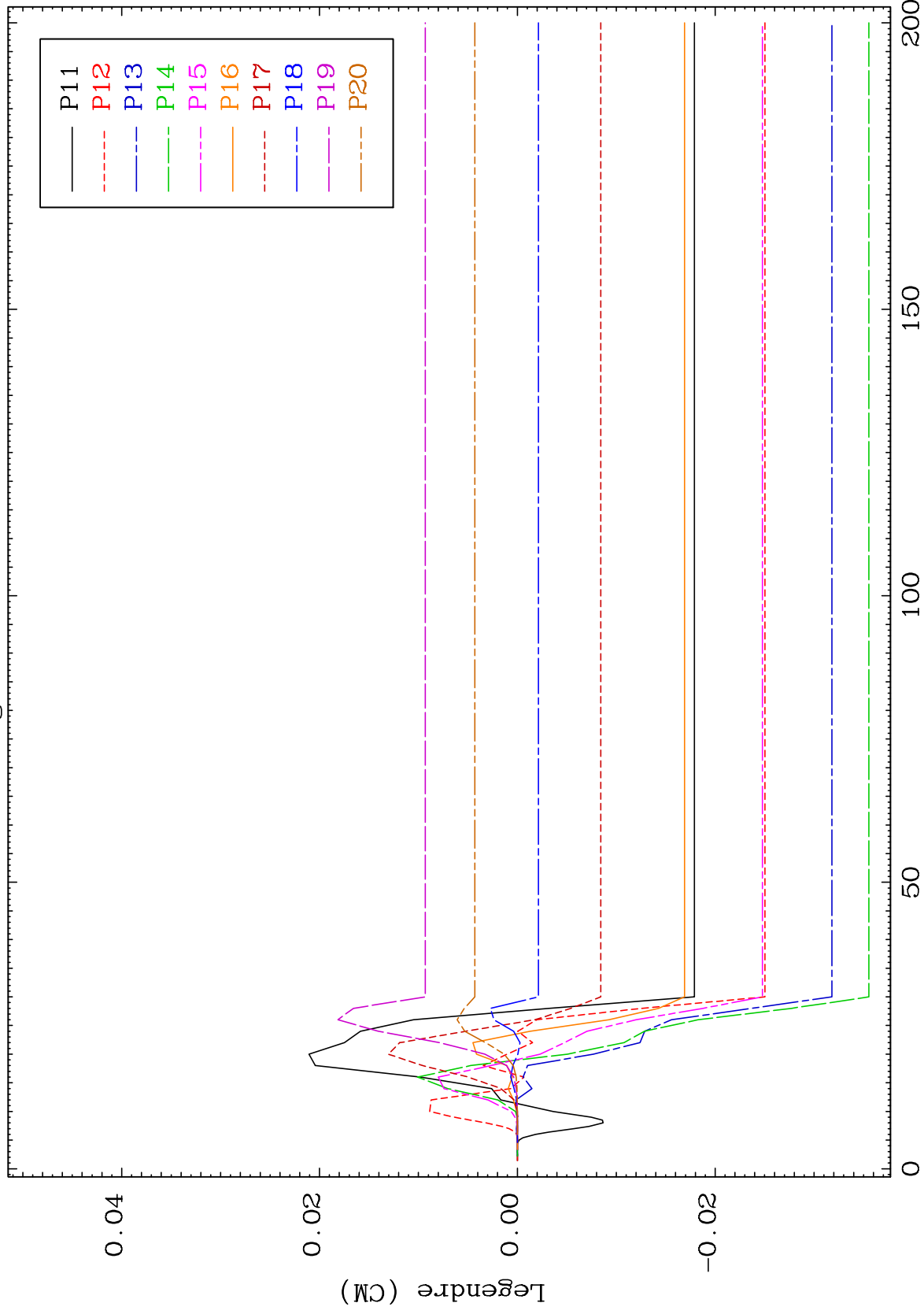
87

82-Pb-199

MAT 8210

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

82-Pb-199



88

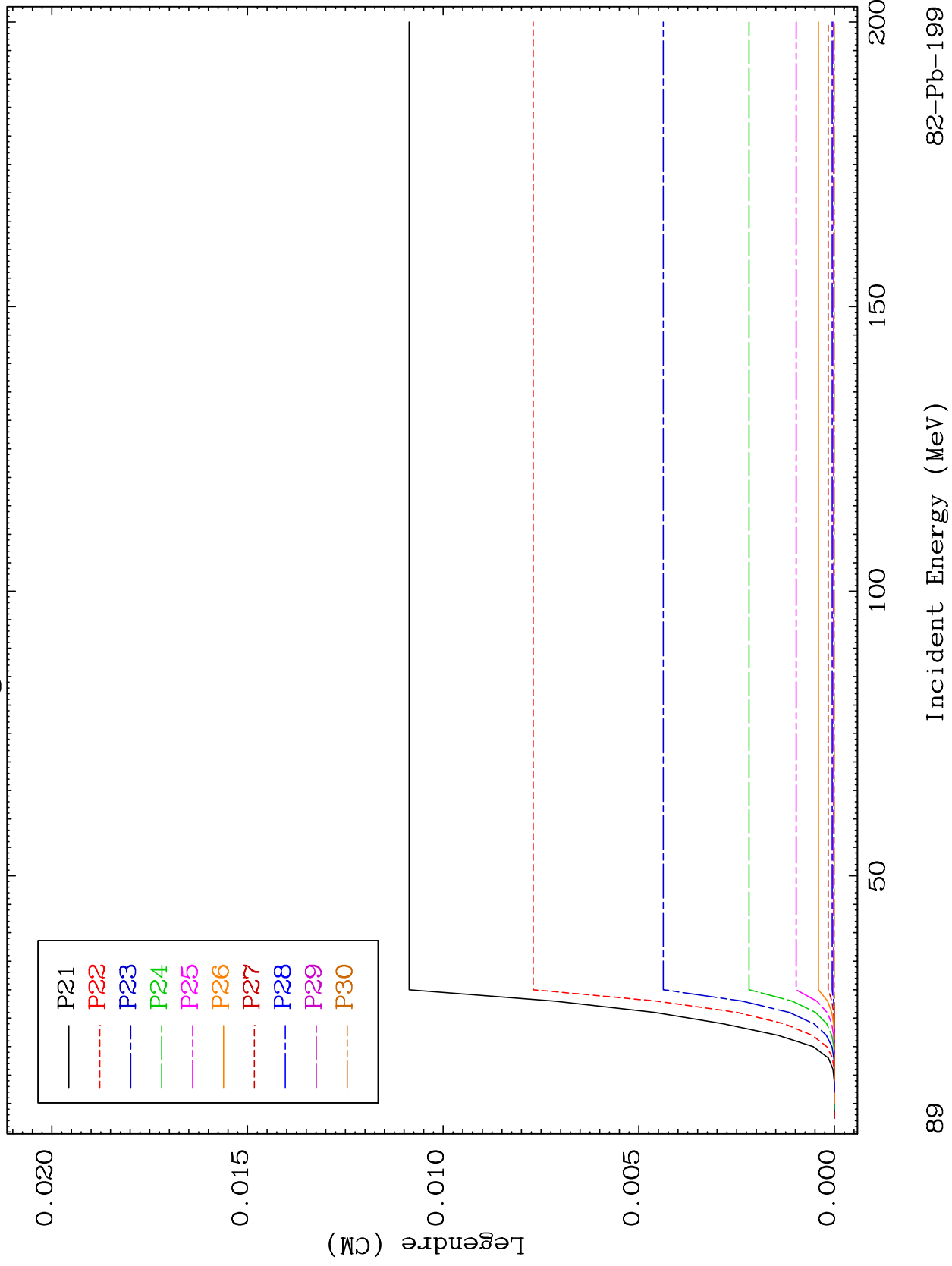
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



89

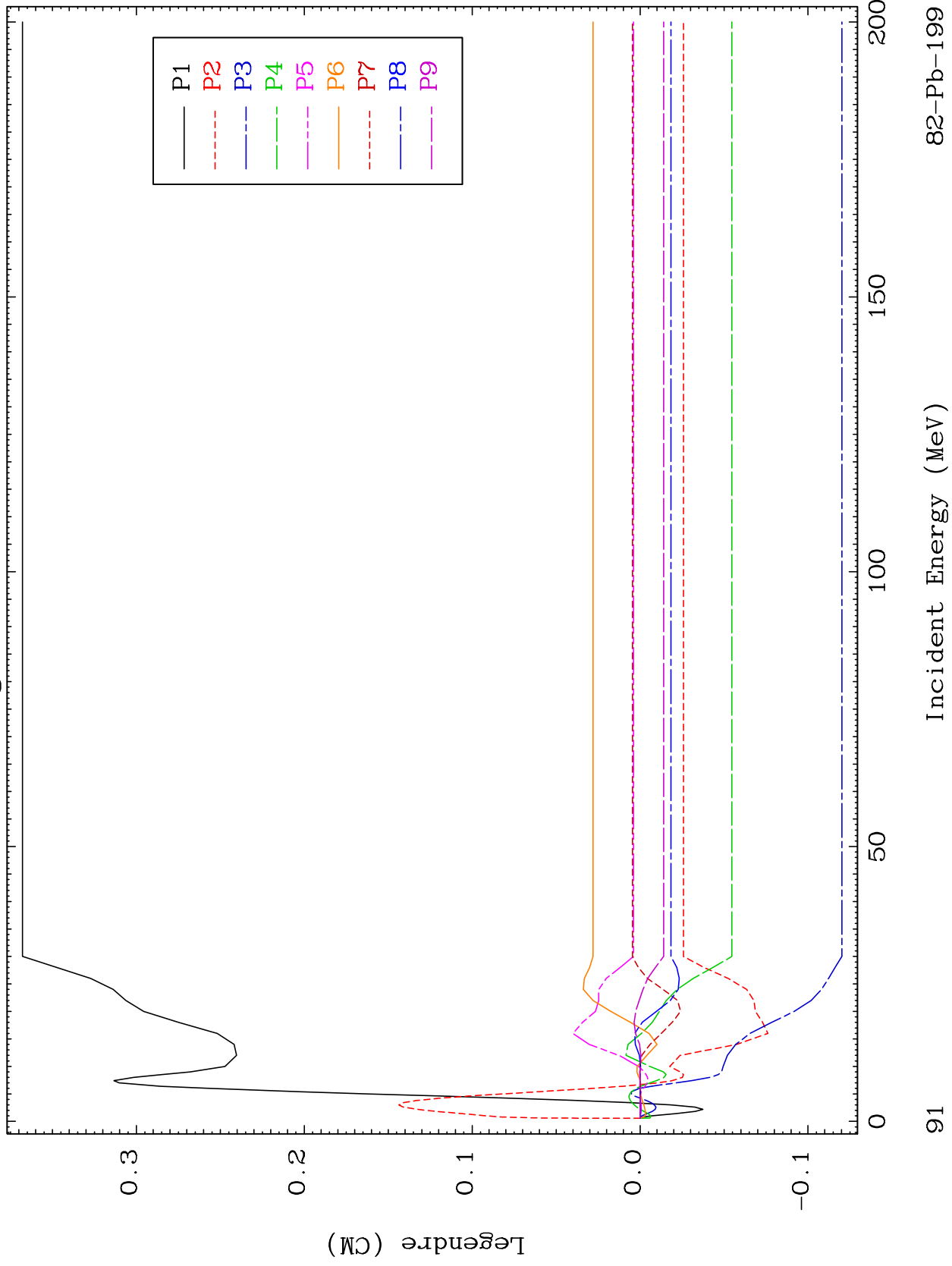
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

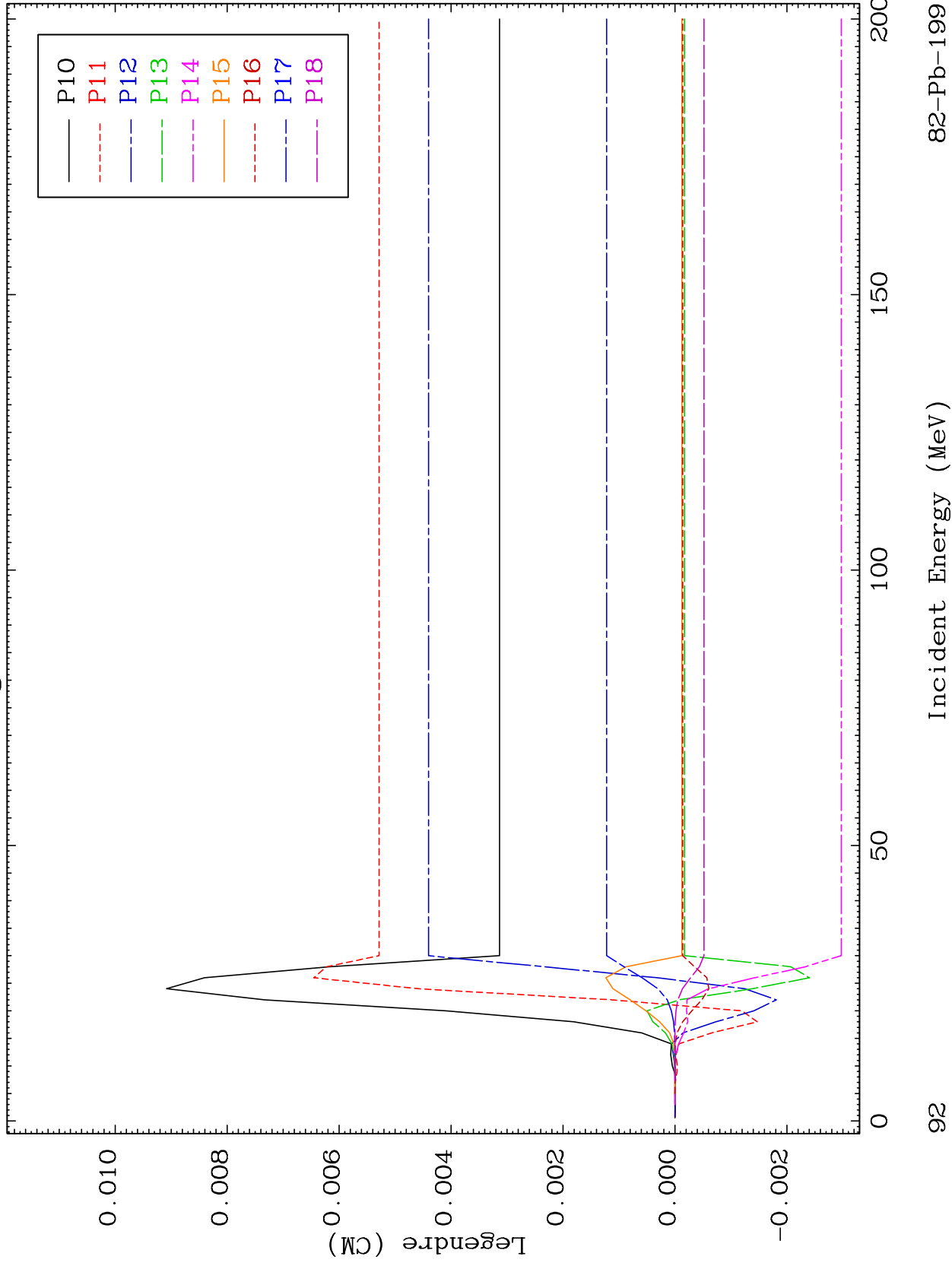
82-Pb-199



MAT 8210

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

82-Pb-199



92

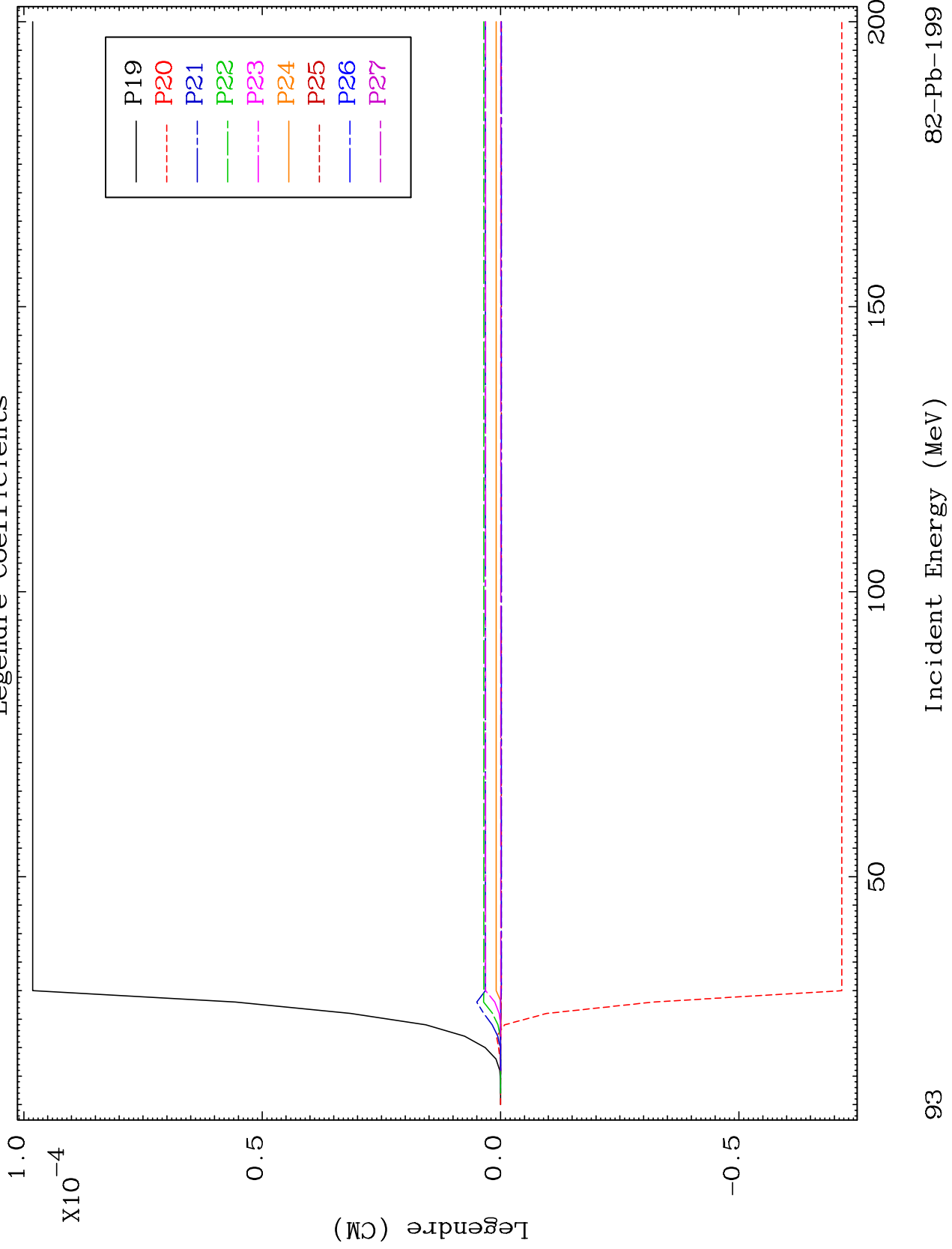
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

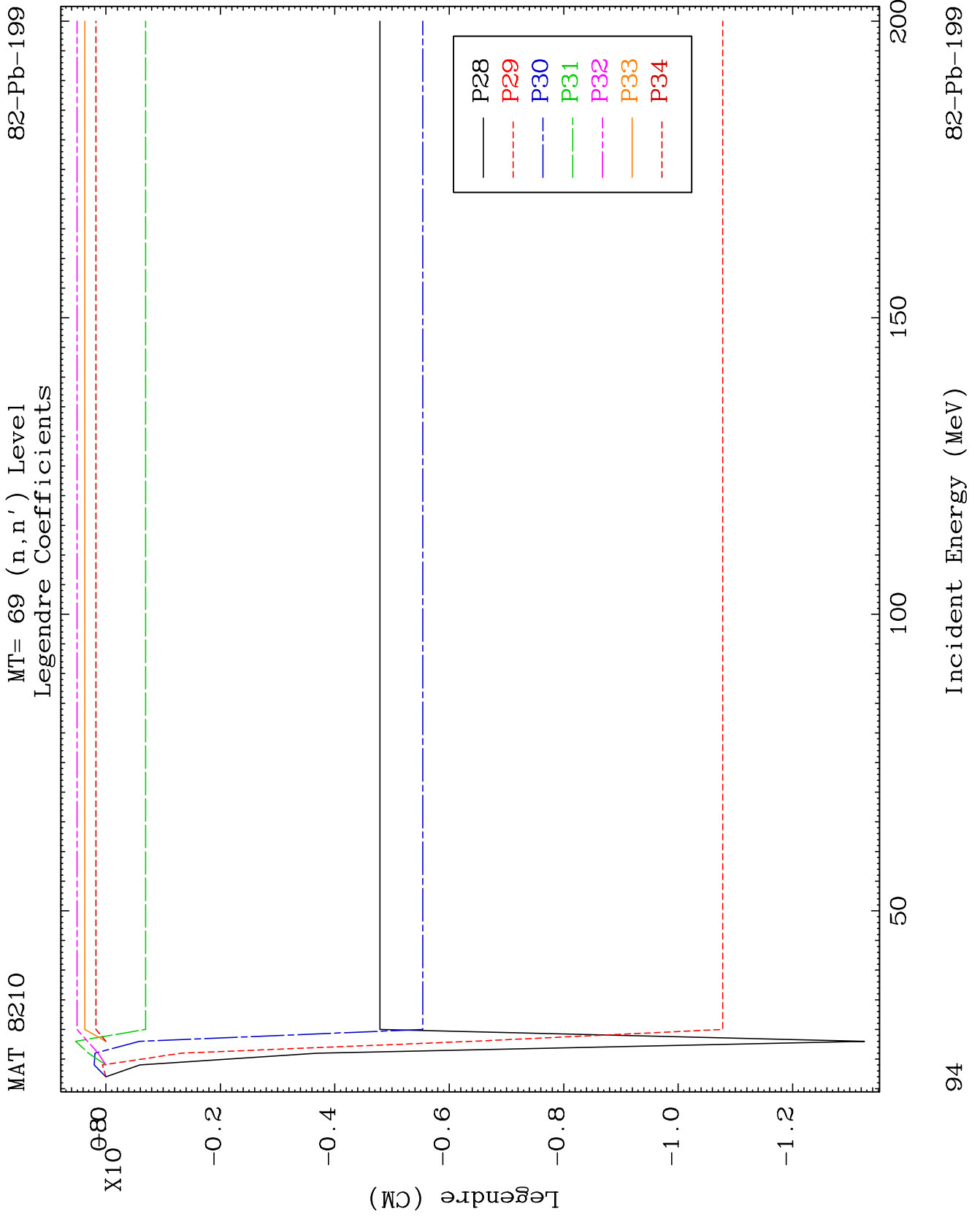
82-Pb-199



93

Incident Energy (MeV)

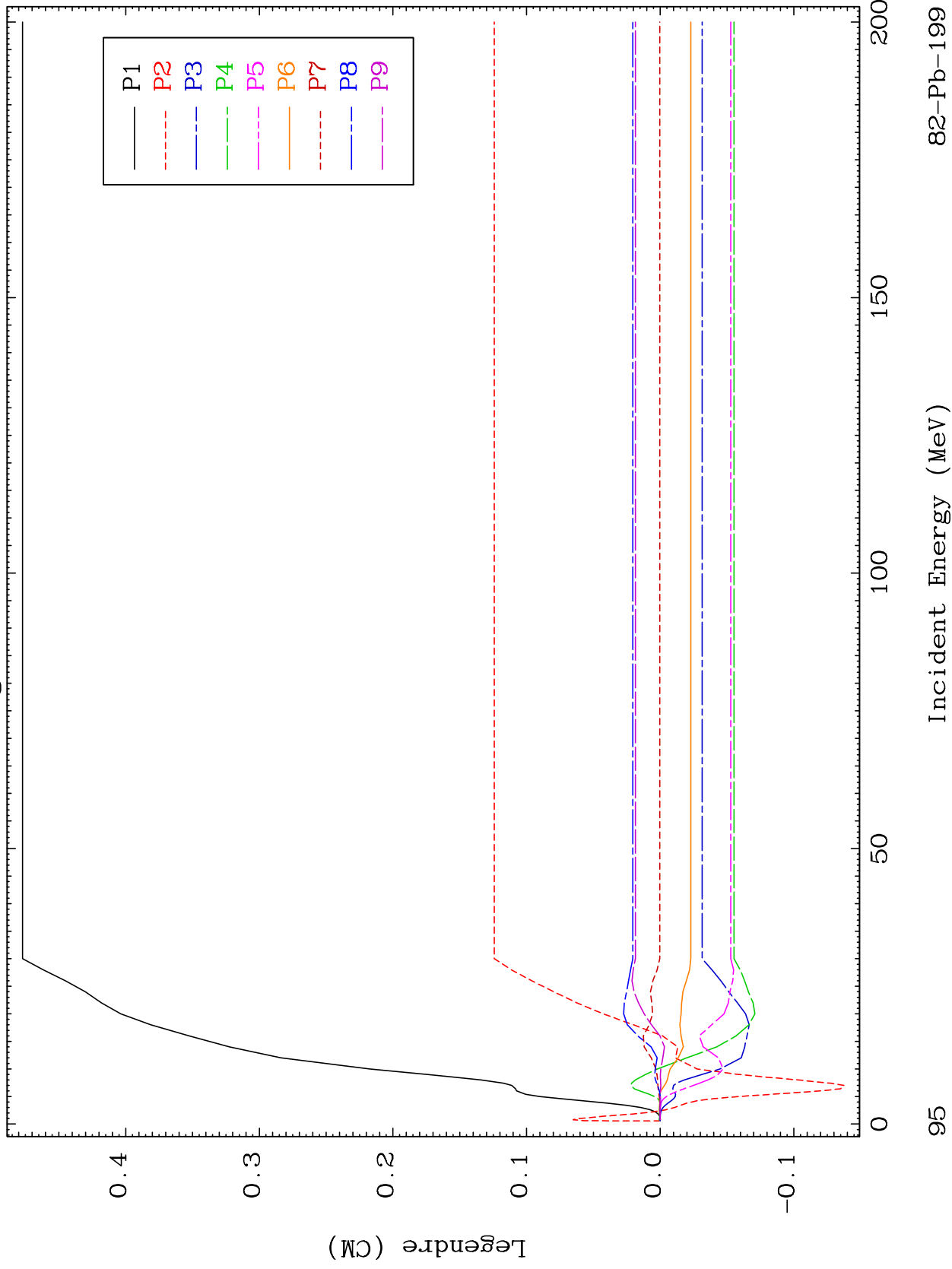
82-Pb-199



MAT 8210

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

82-Pb-199



82-Pb-199

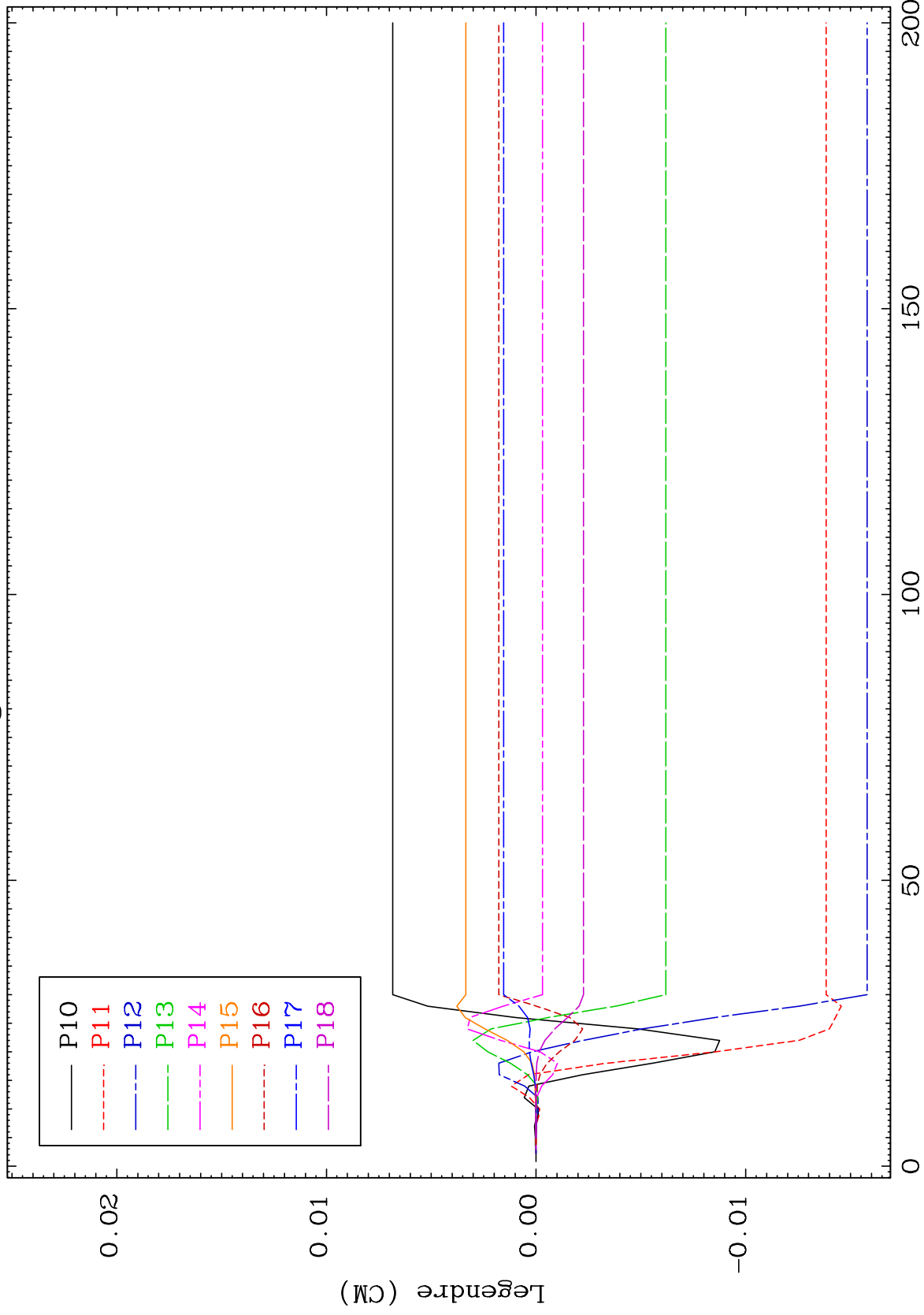
Incident Energy (MeV)

95

MAT 8210

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

82-Pb-199



96

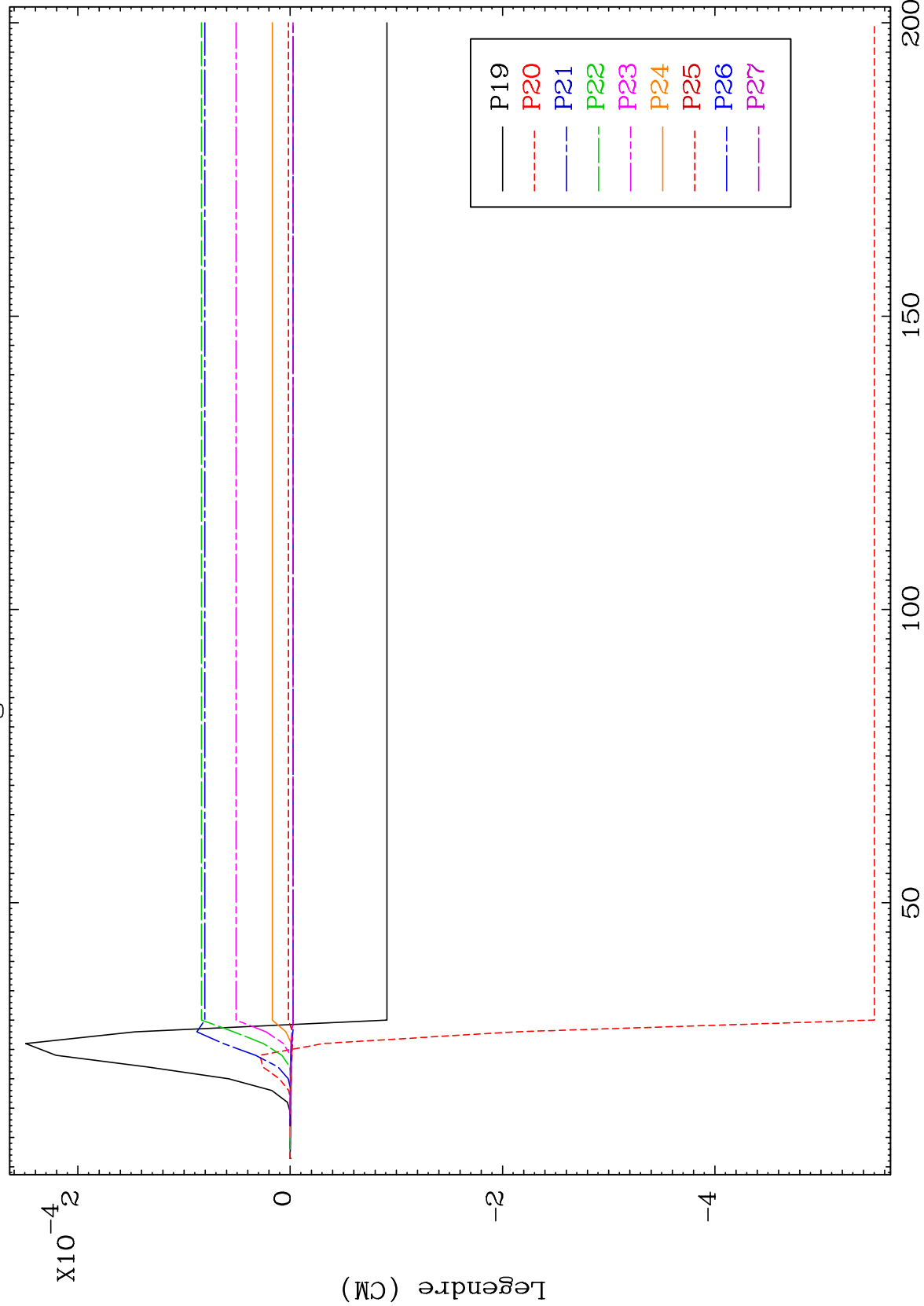
Incident Energy (MeV)

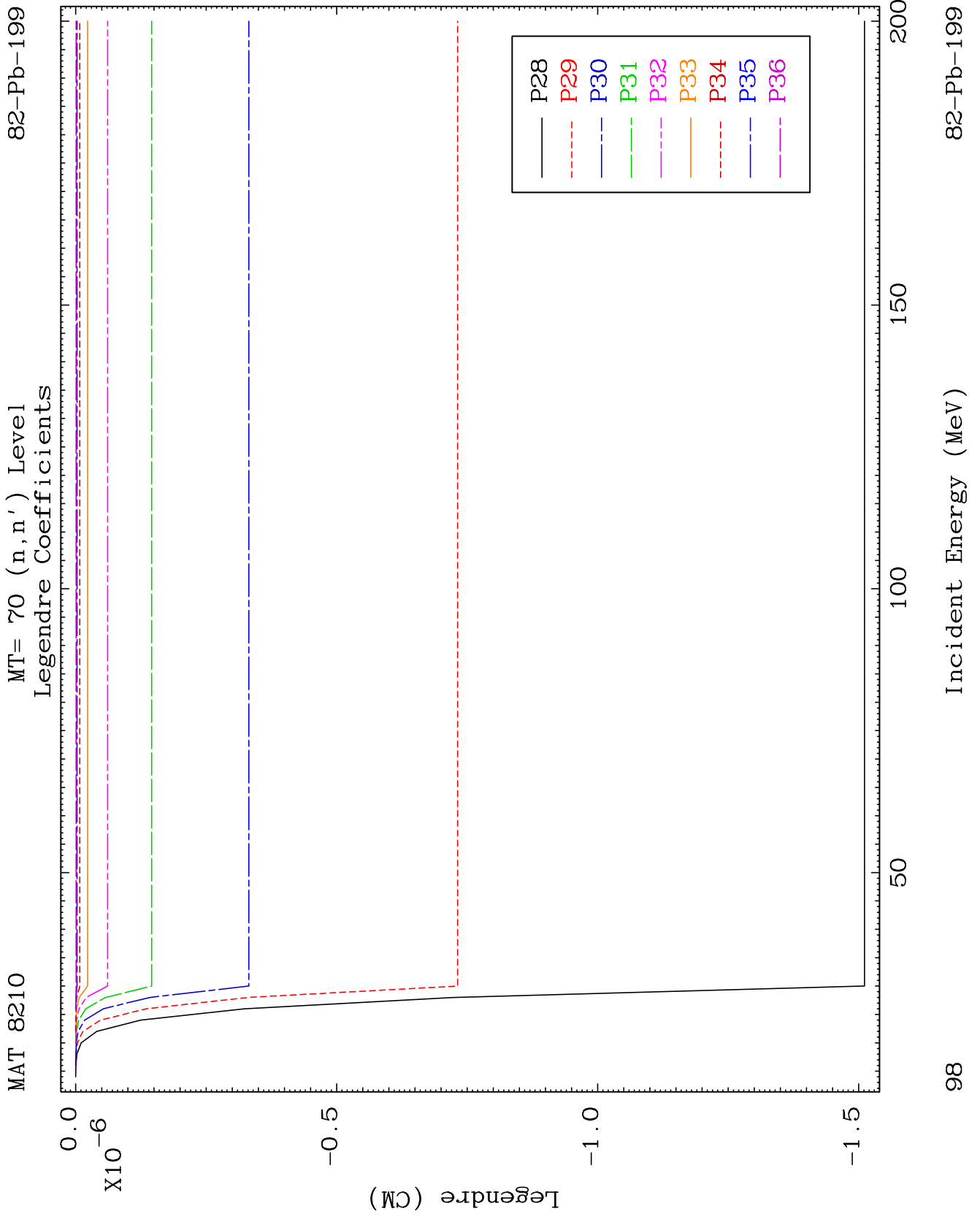
82-Pb-199

MAT 8210

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

82-Pb-199

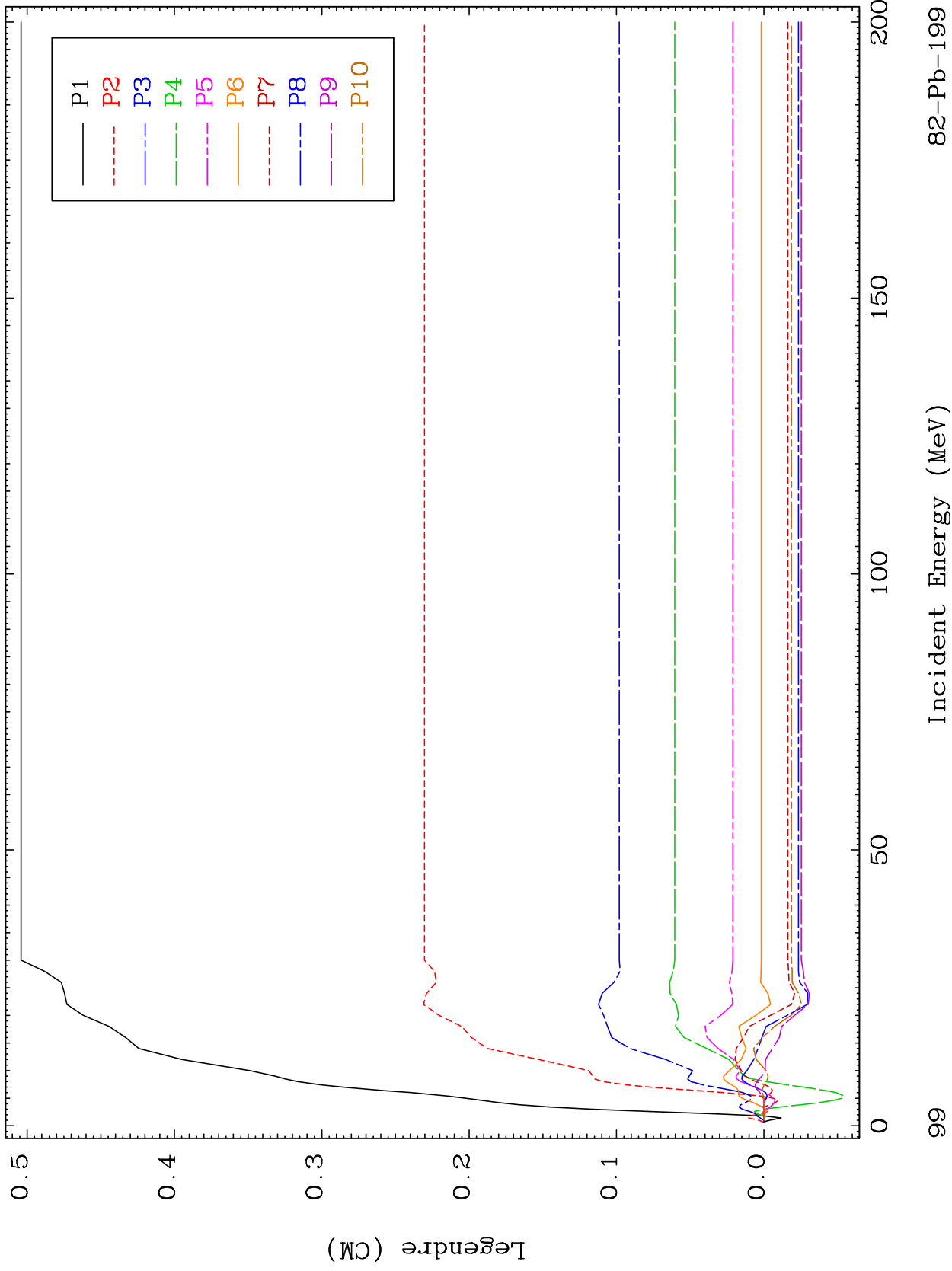




MAT 8210

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

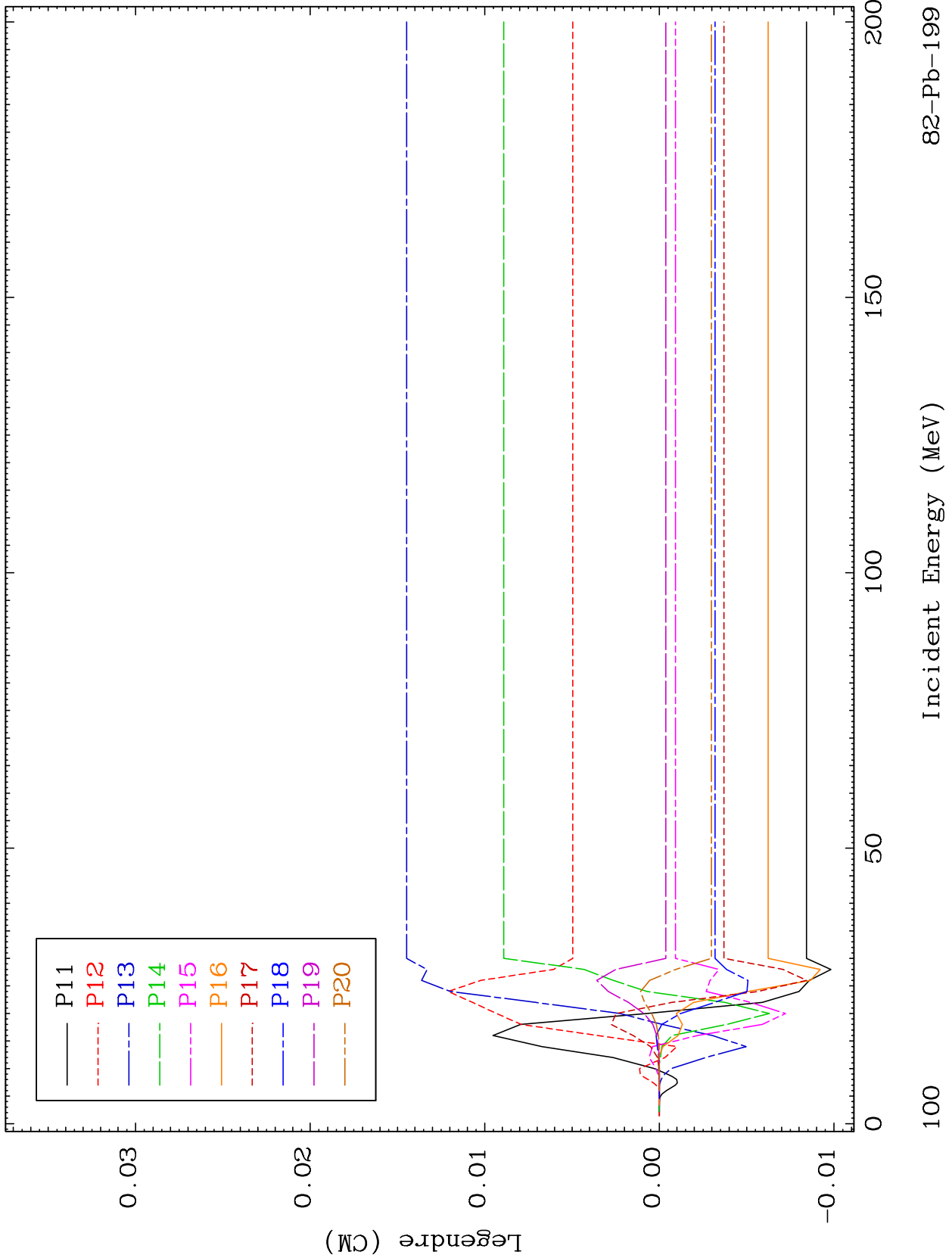
82-Pb-199



MAT 8210

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

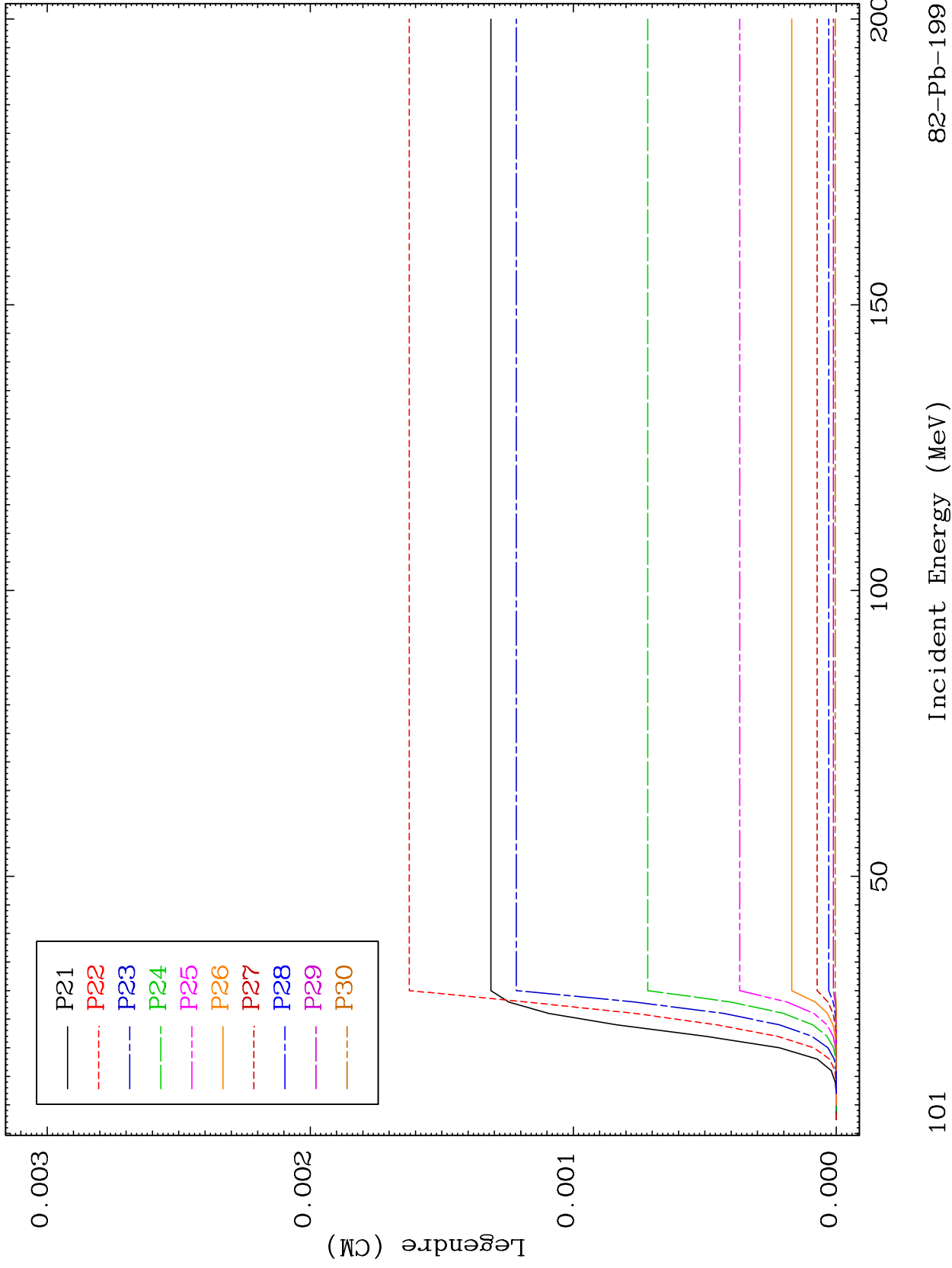
82-Pb-199



MAT 8210

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

82-Pb-199



101

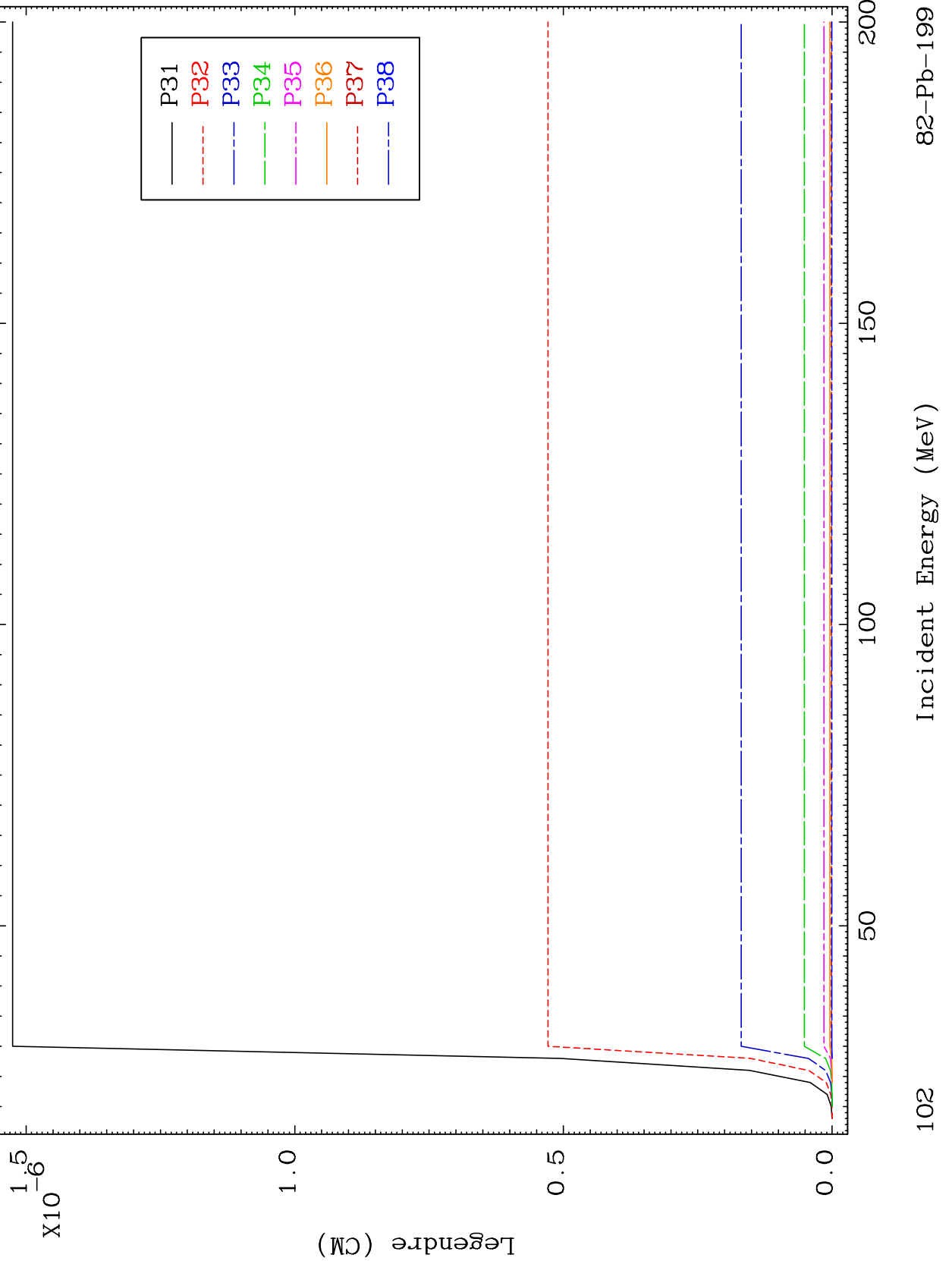
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



102

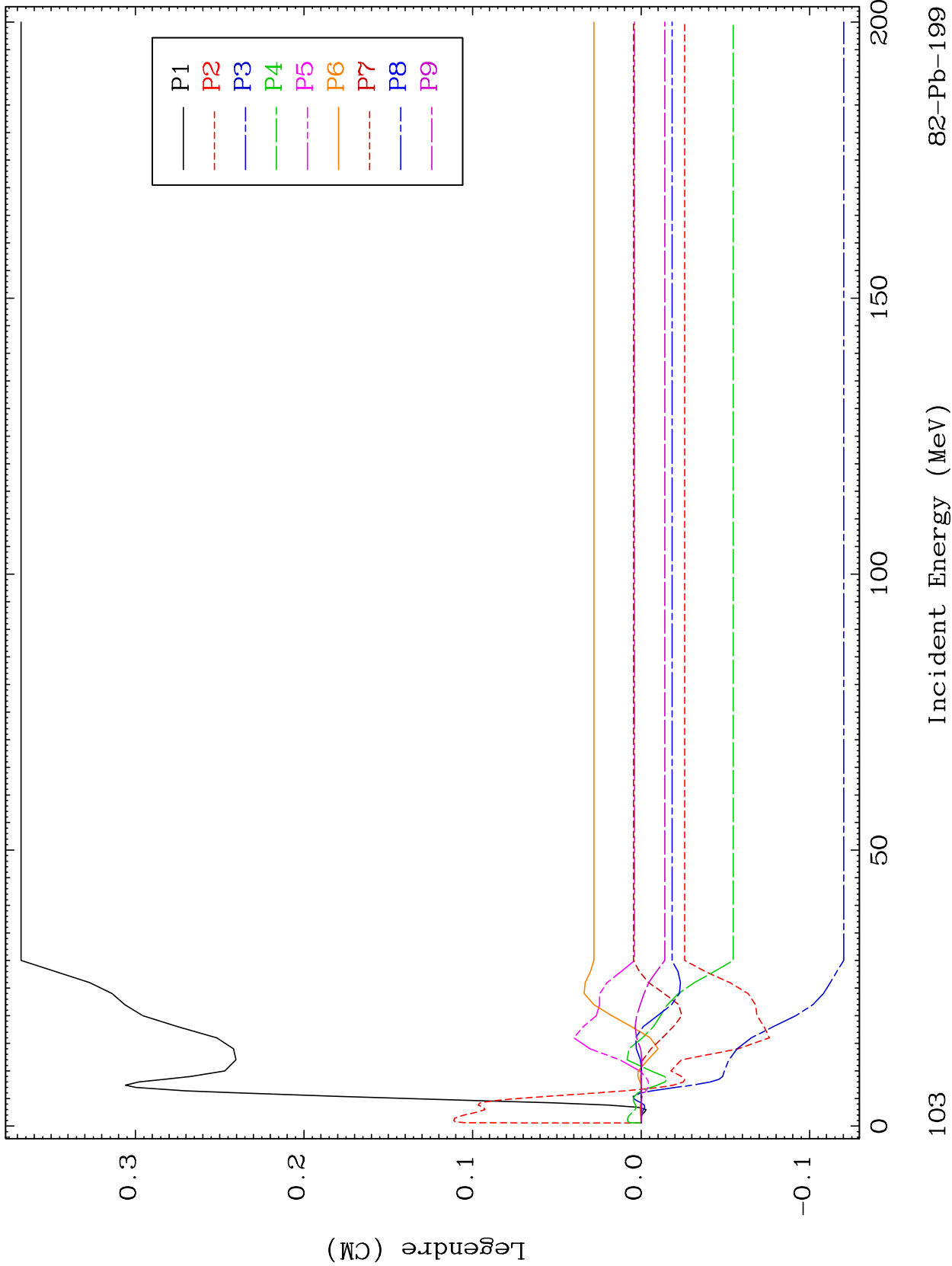
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



82-Pb-199

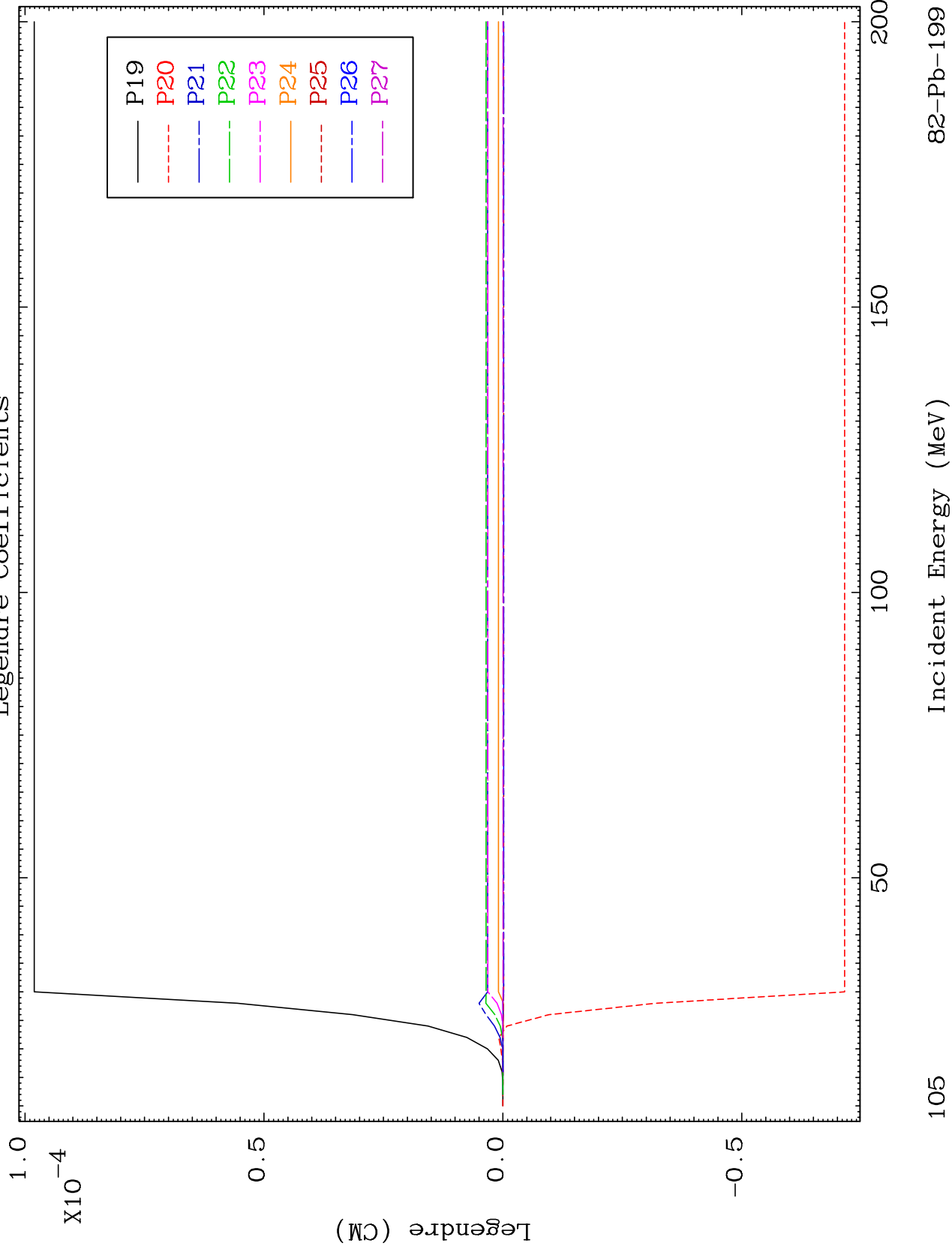
Incident Energy (MeV)

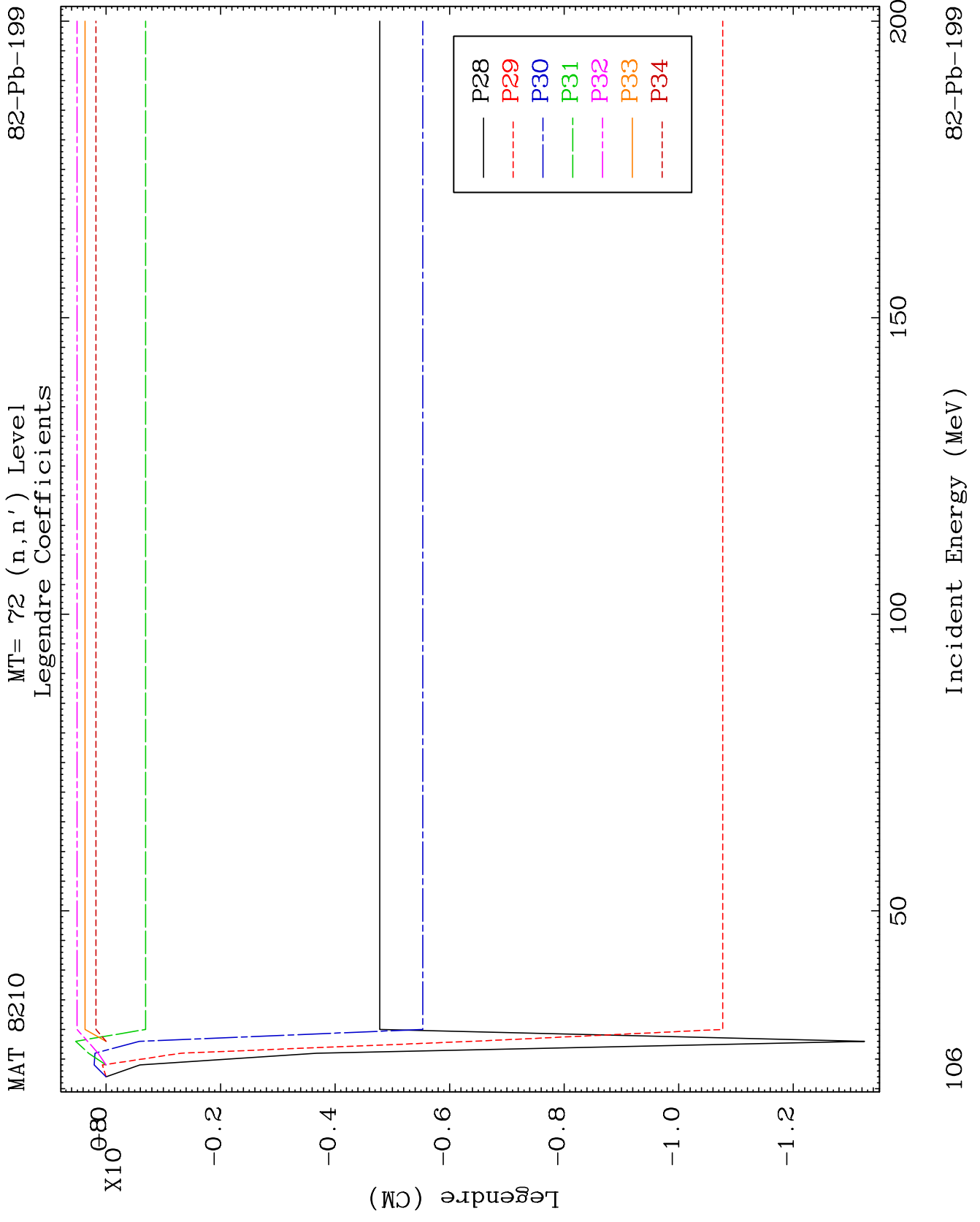
103

MAT 8210

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

82-Pb-199

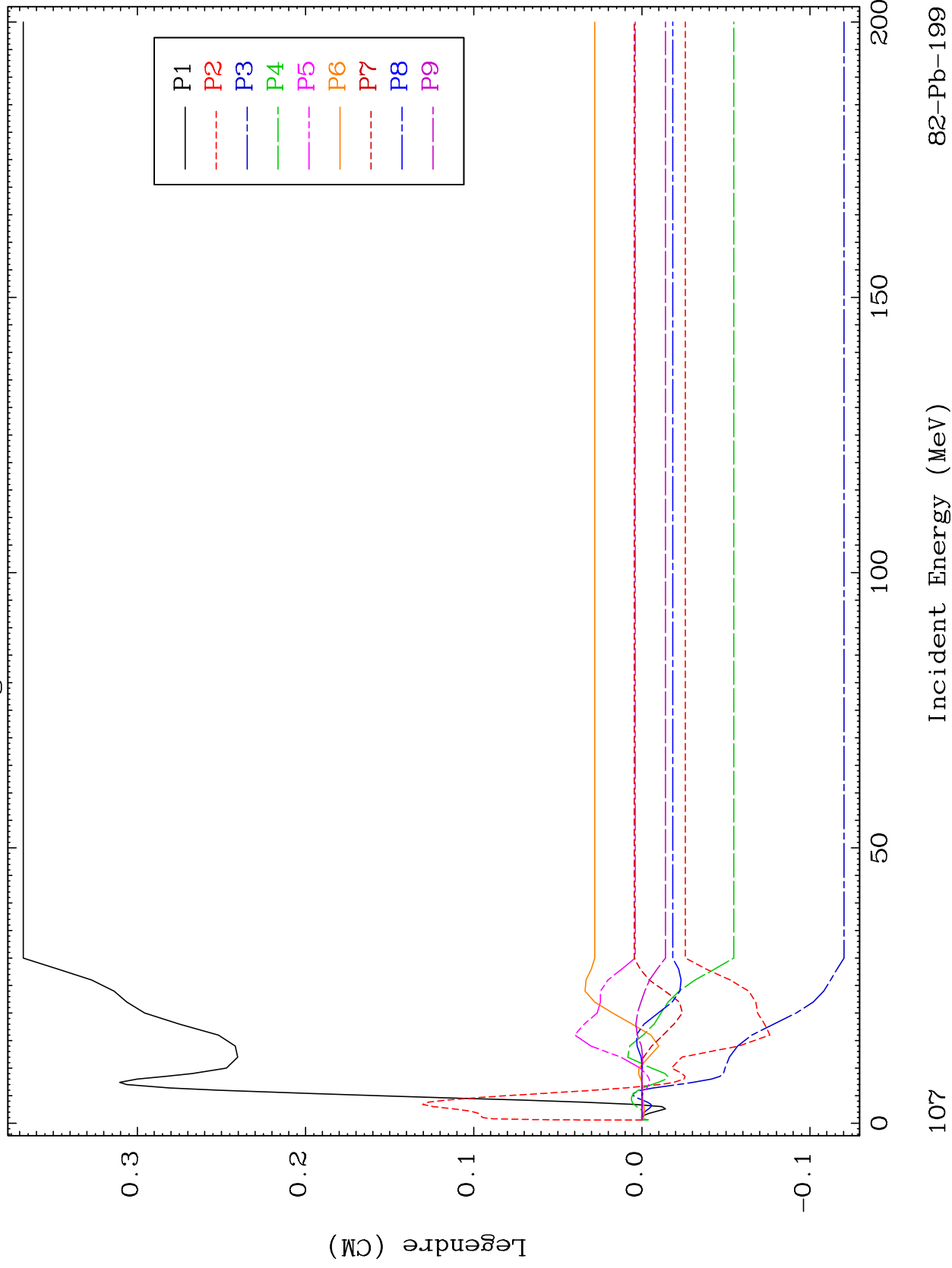


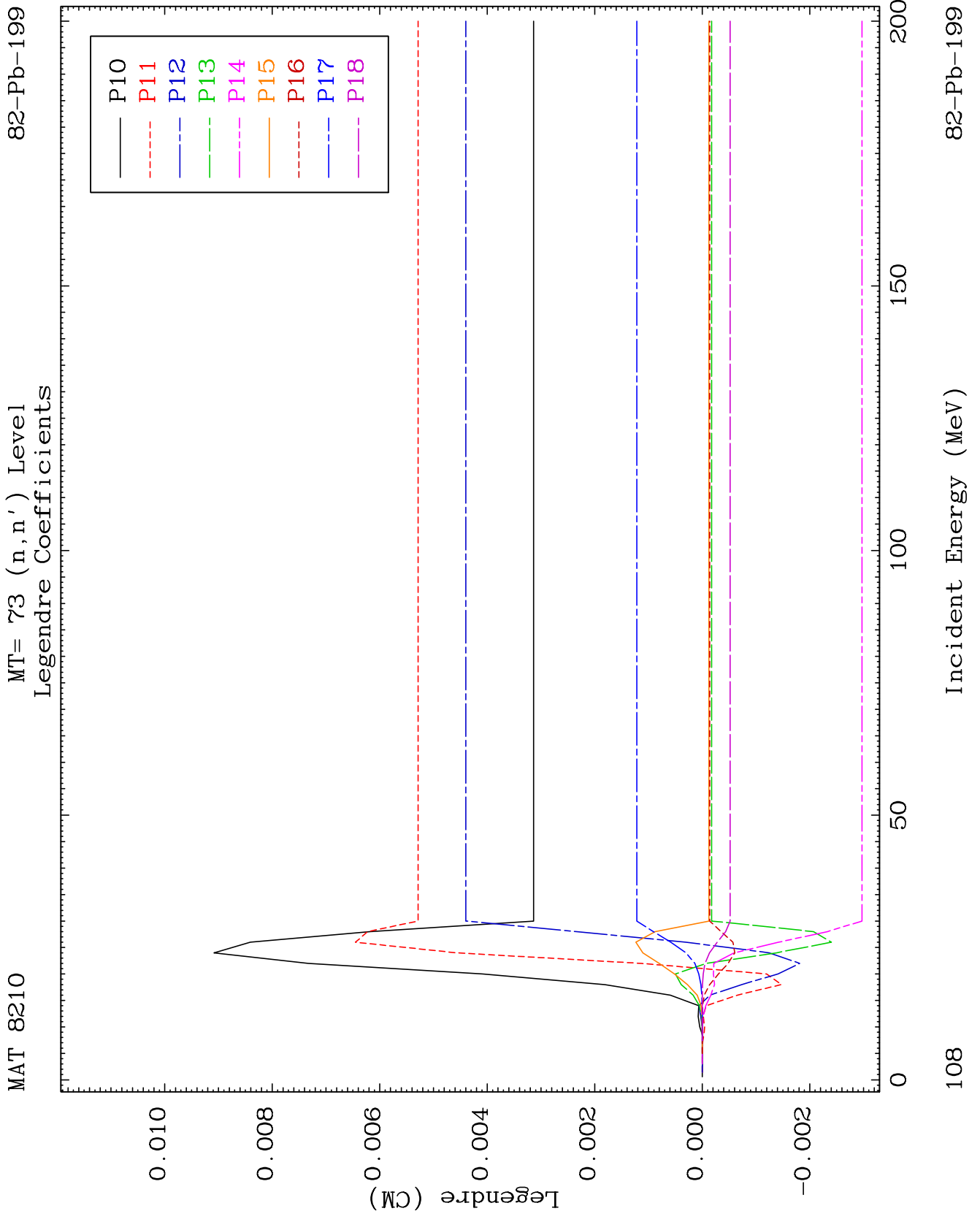


MAT 8210

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

82-Pb-199

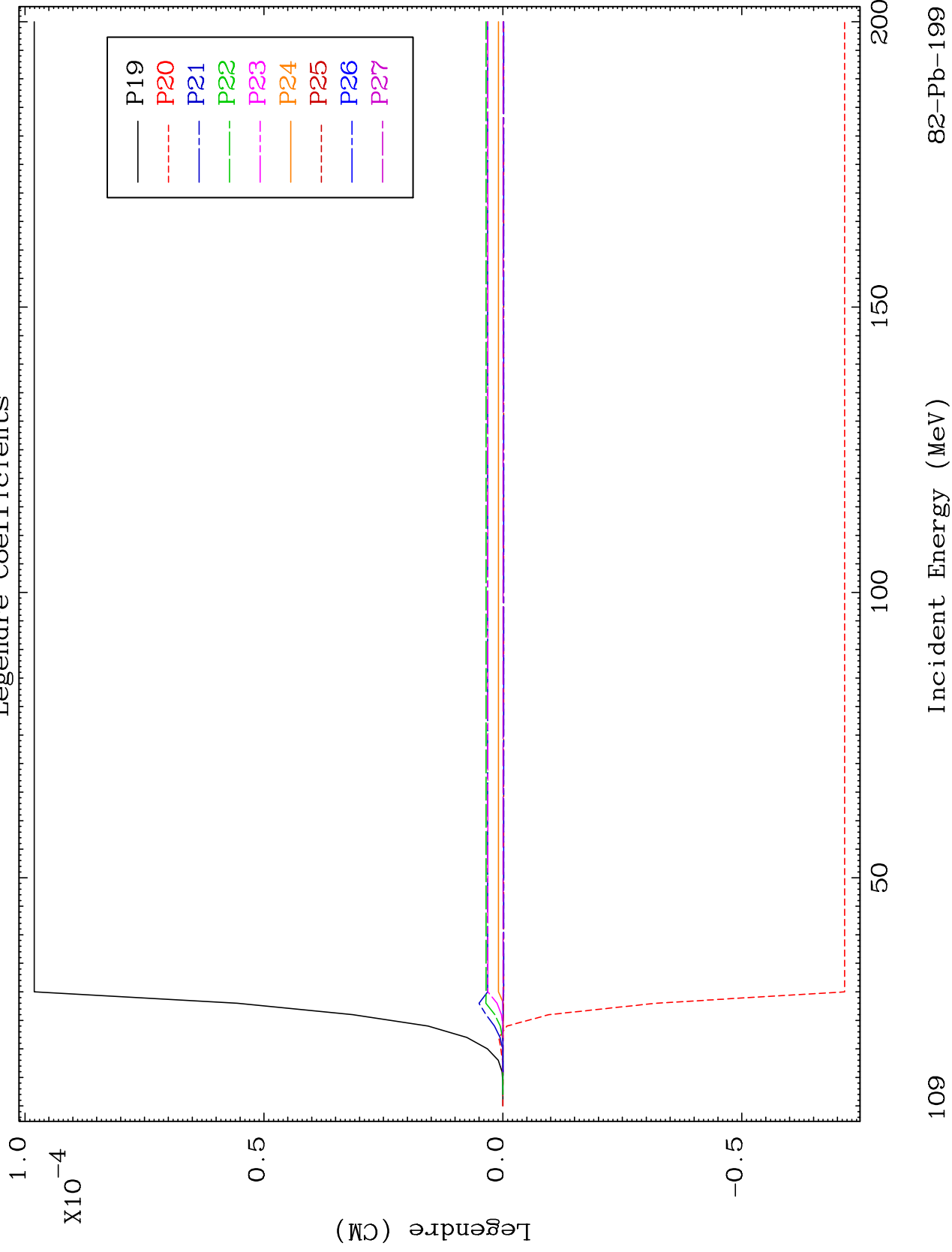




MAT 8210

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

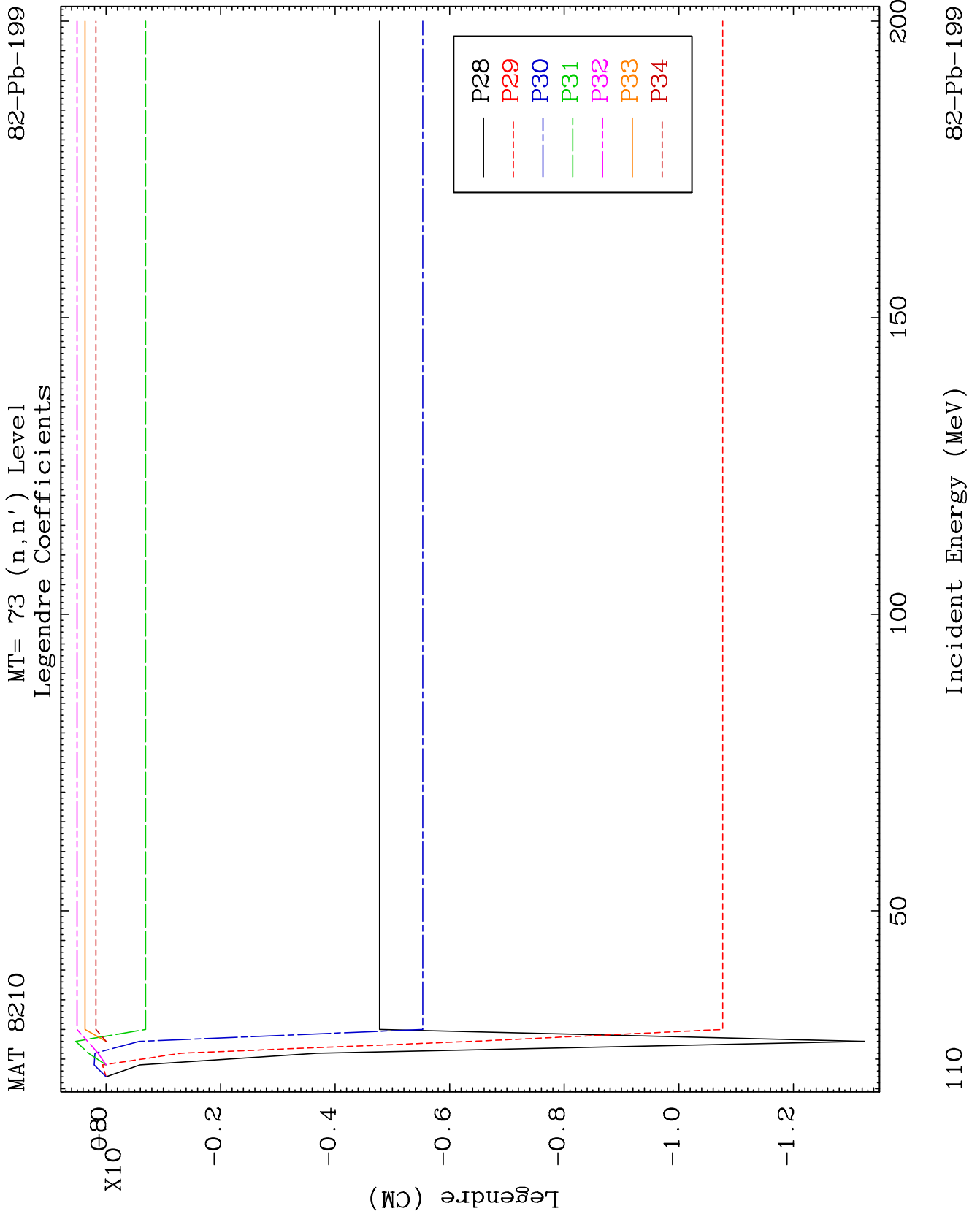
82-Pb-199



109

Incident Energy (MeV)

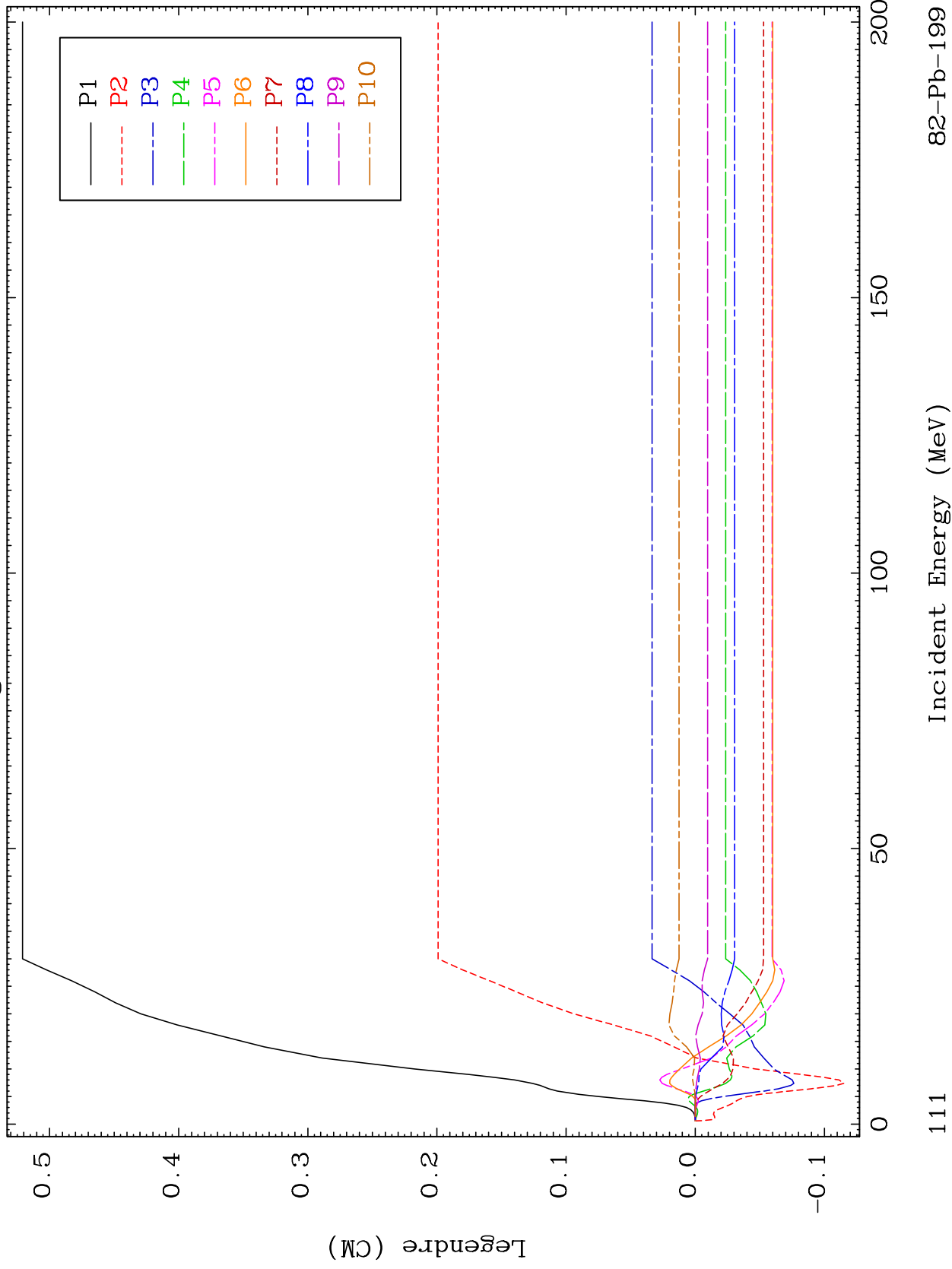
82-Pb-199



MAT 8210

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

82-Pb-199



111

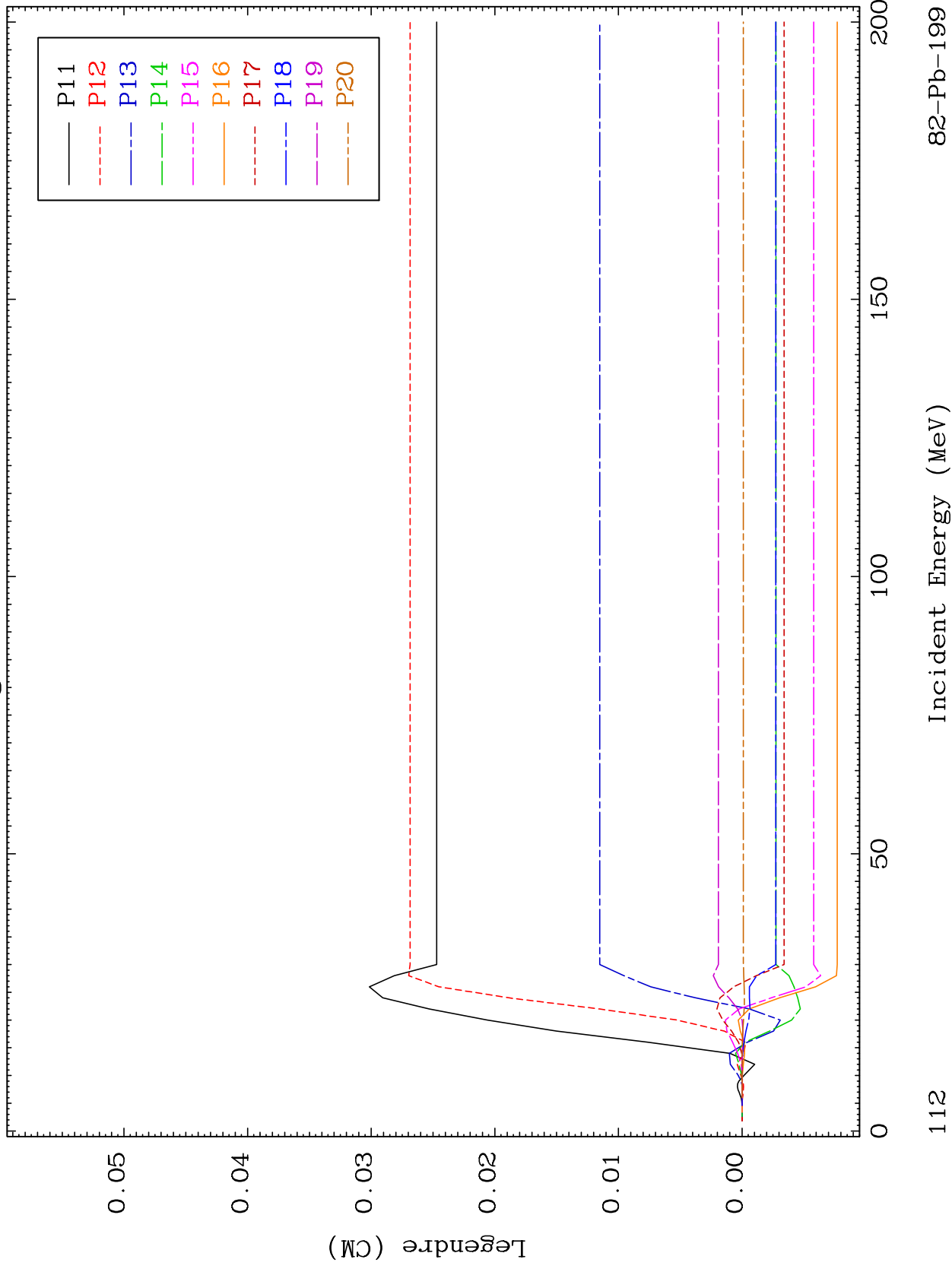
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199

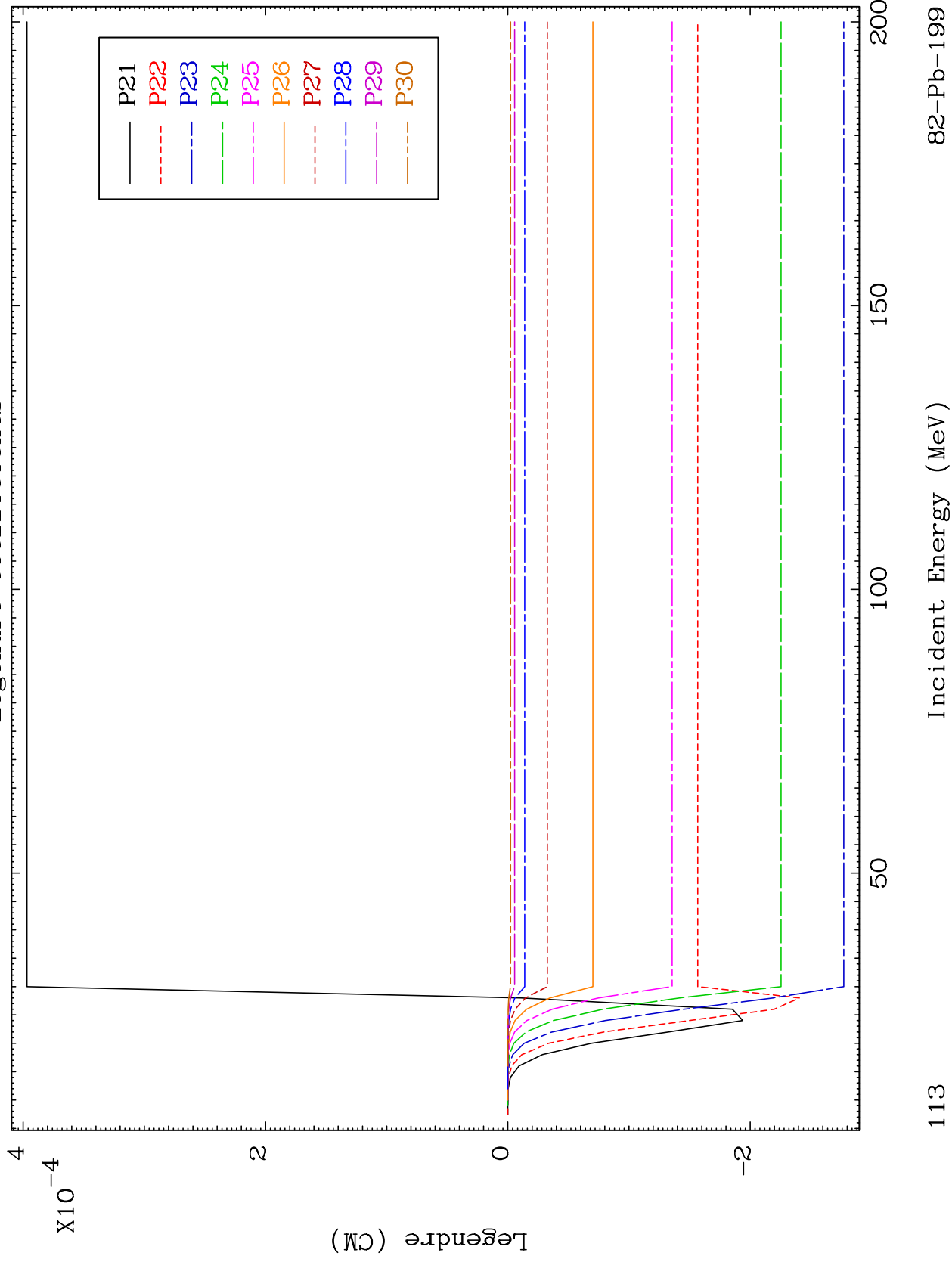


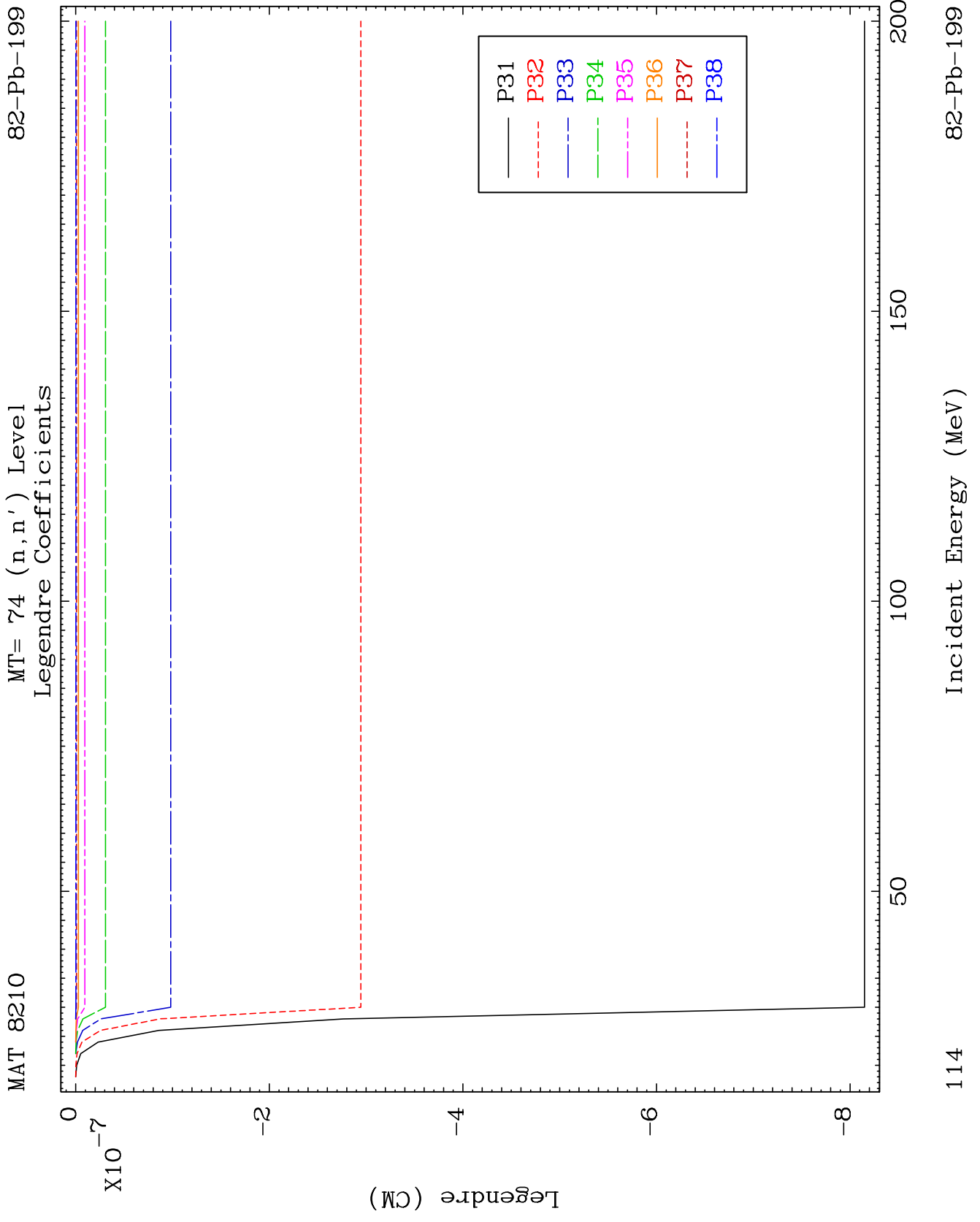
112

MAT 8210

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

82-Pb-199

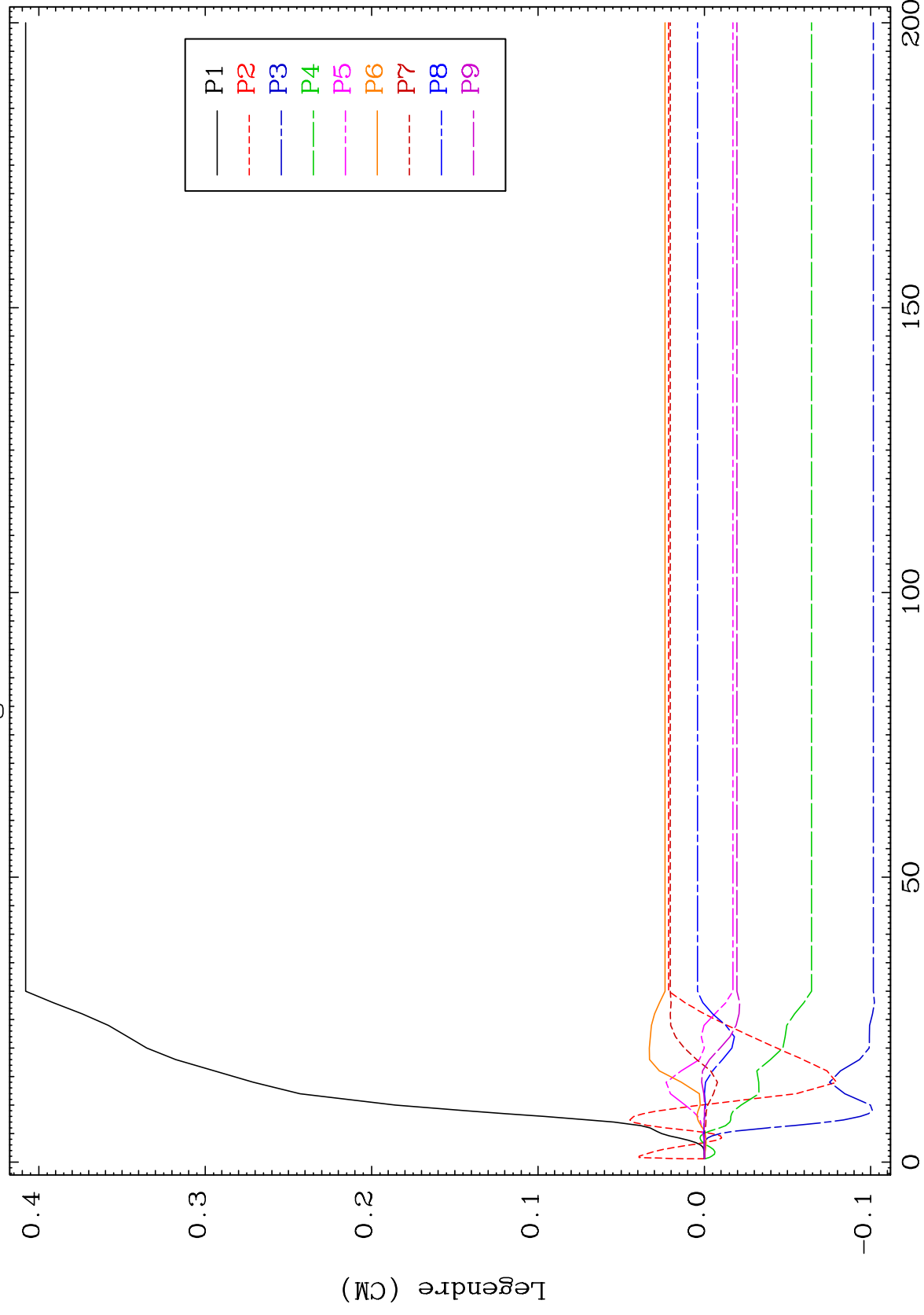




MAT 8210

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

82-Pb-199



82-Pb-199

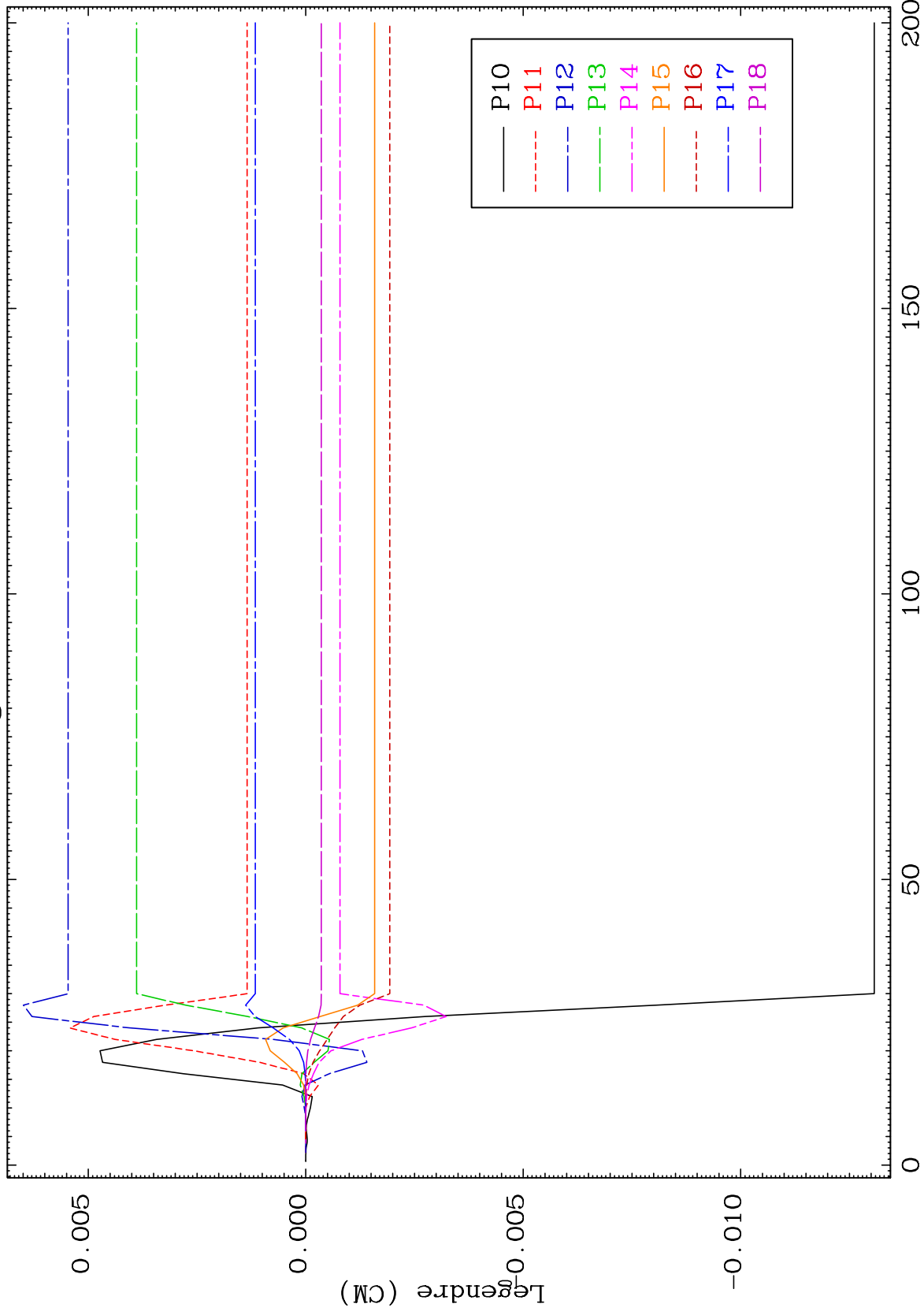
Incident Energy (MeV)

115

MAT 8210

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

82-Pb-199



116

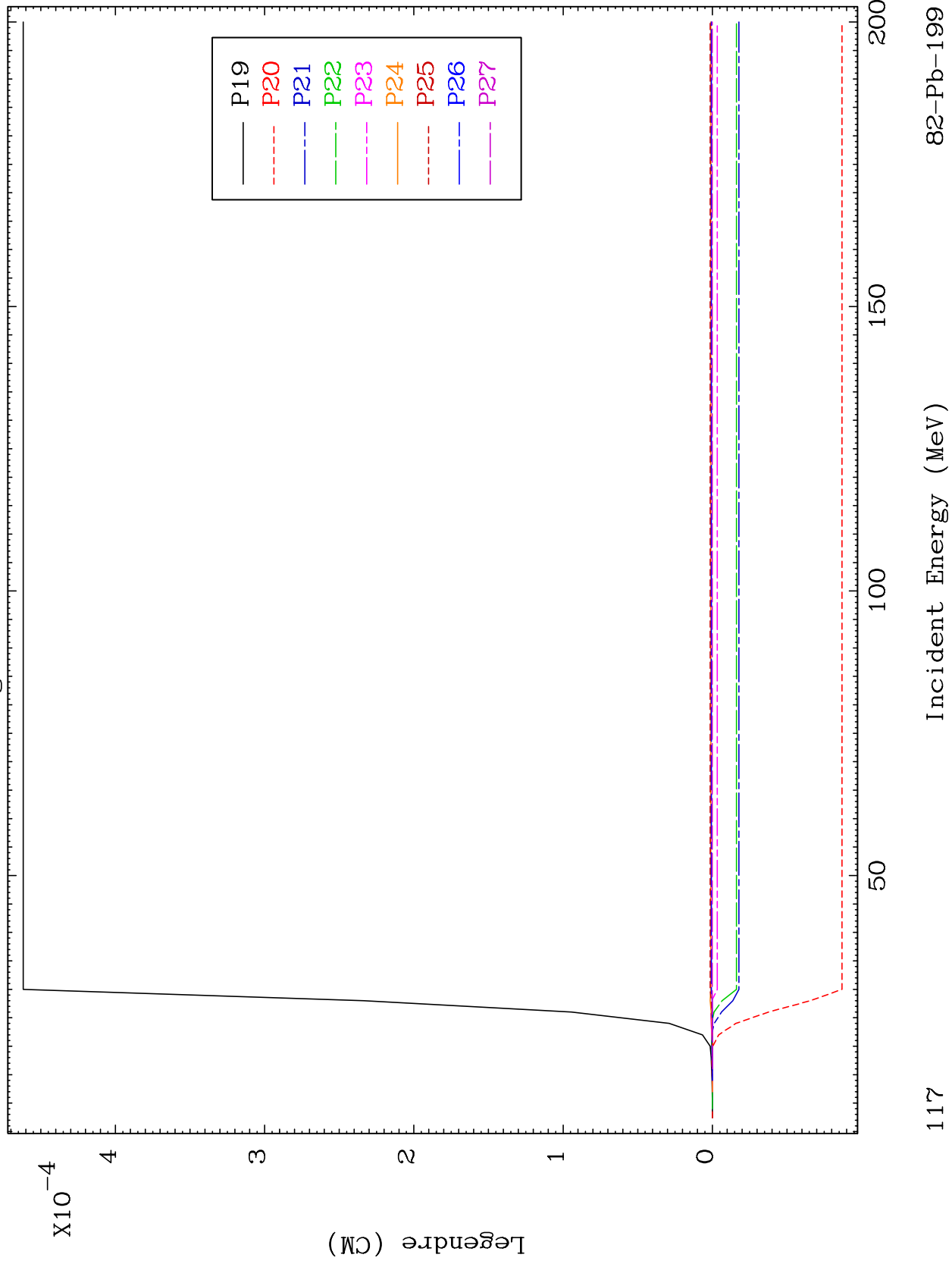
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

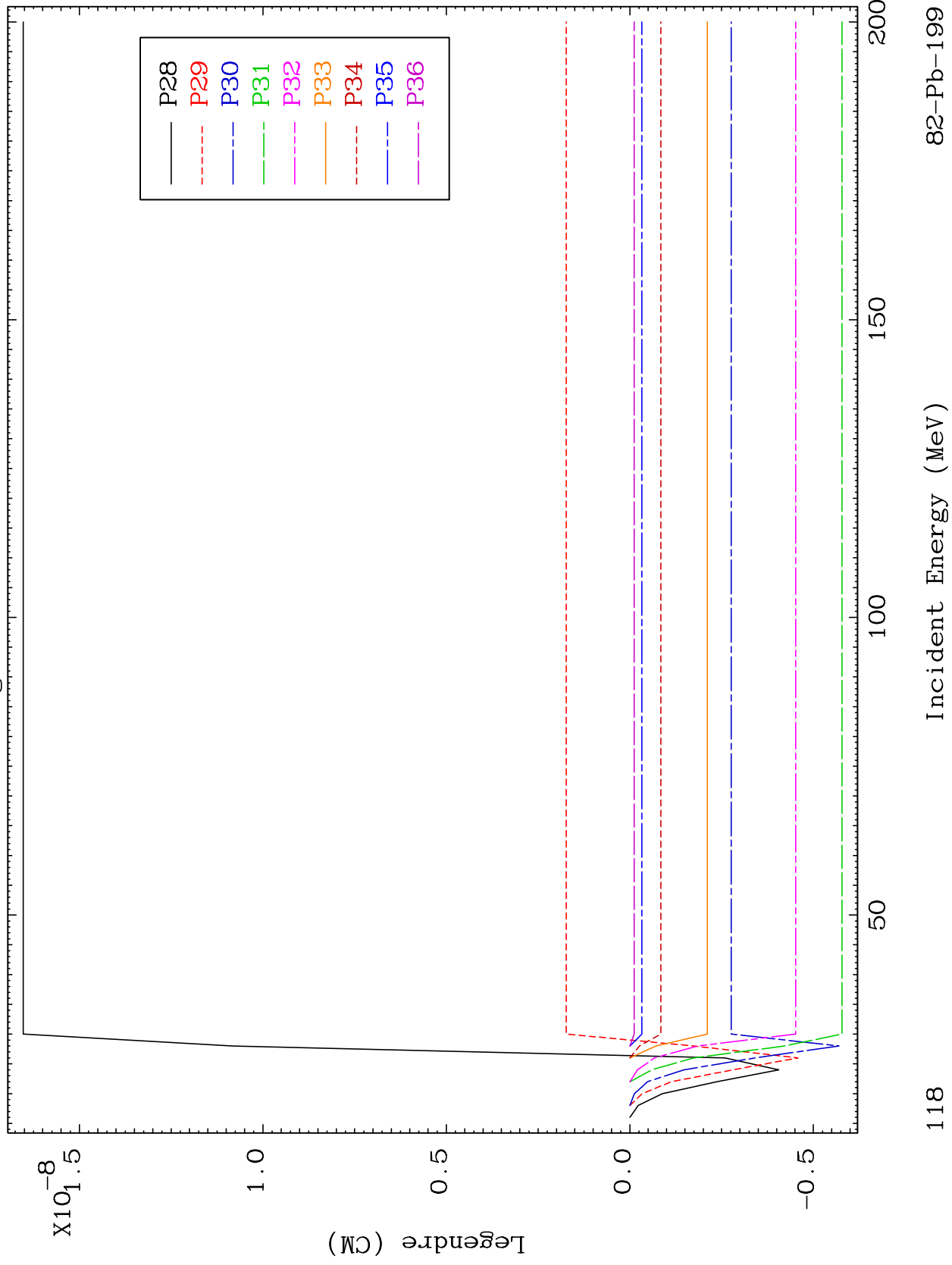
82-Pb-199



MAT 8210

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

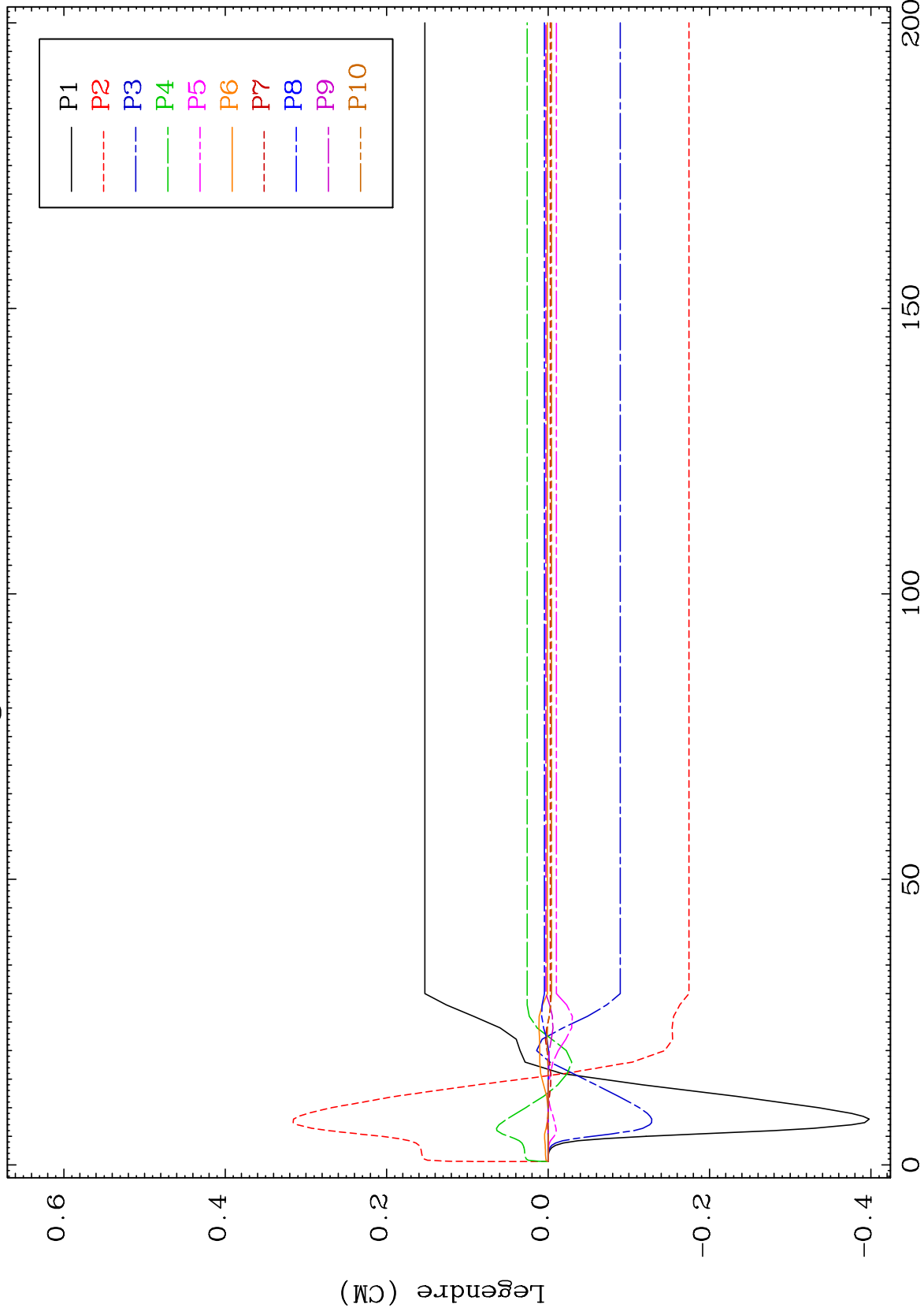
82-Pb-199



MAT 8210

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

82-Pb-199



119

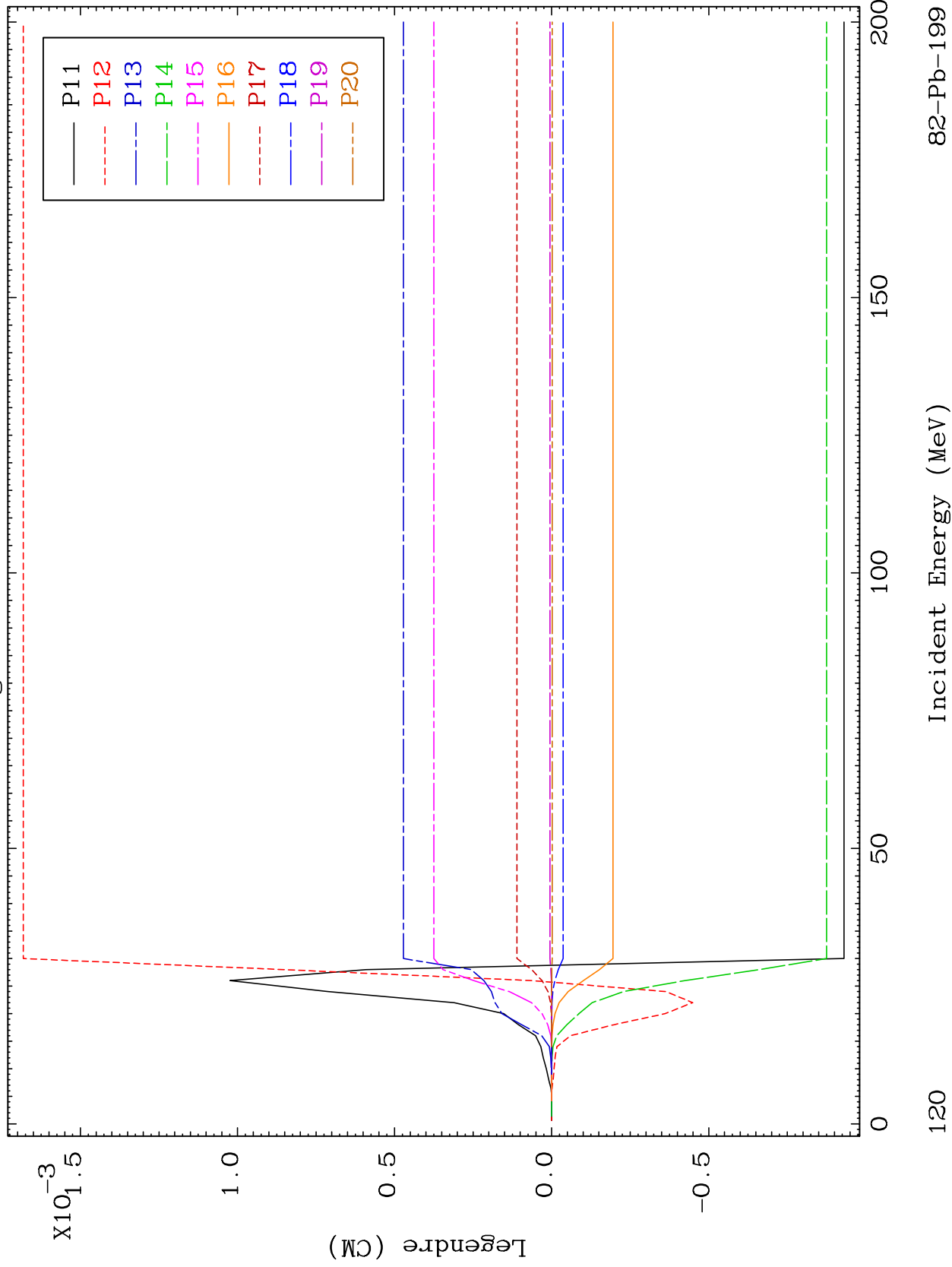
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



82-Pb-199

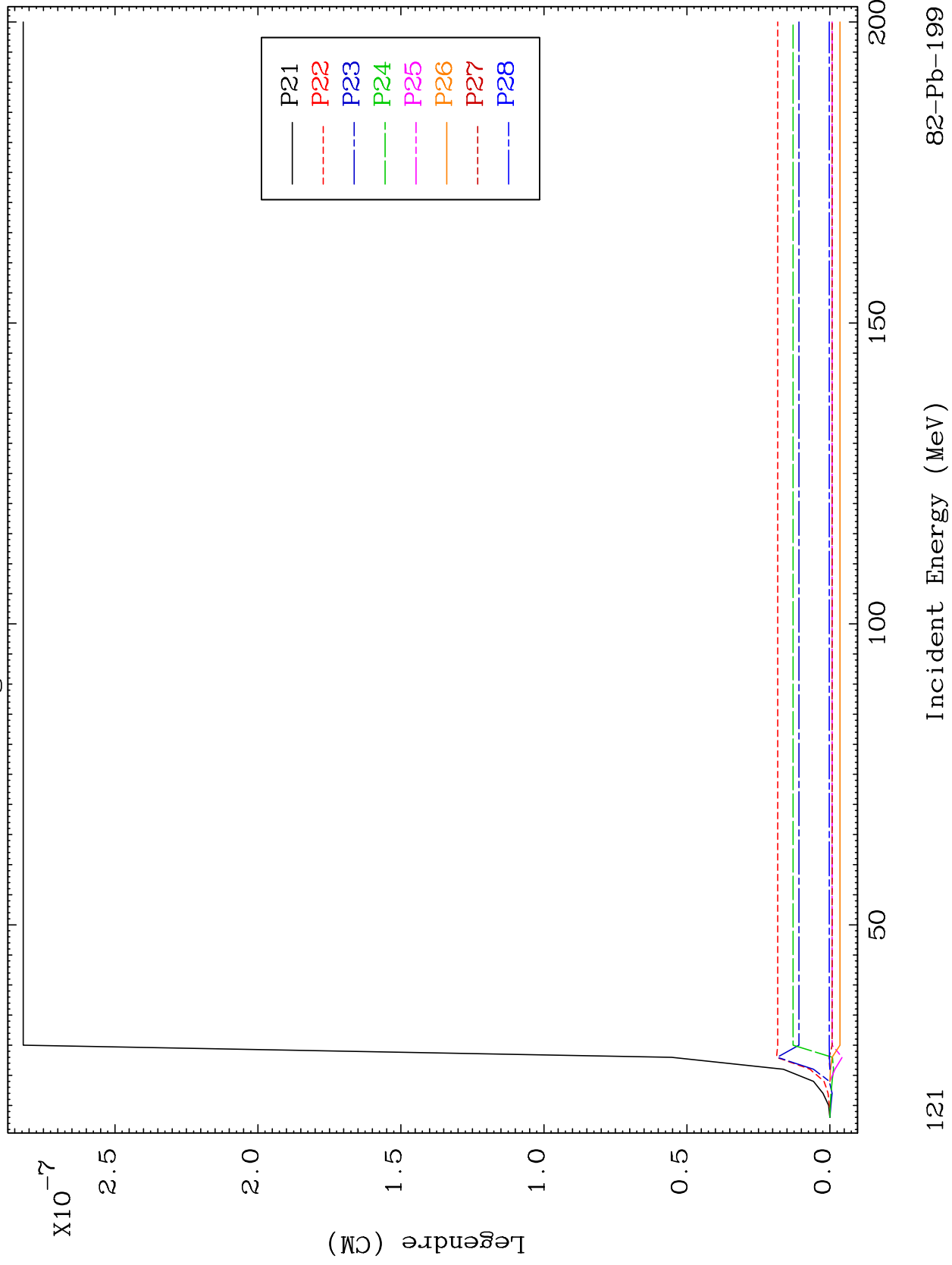
Incident Energy (MeV)

120

MAT 8210

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

82-Pb-199



121

Incident Energy (MeV)

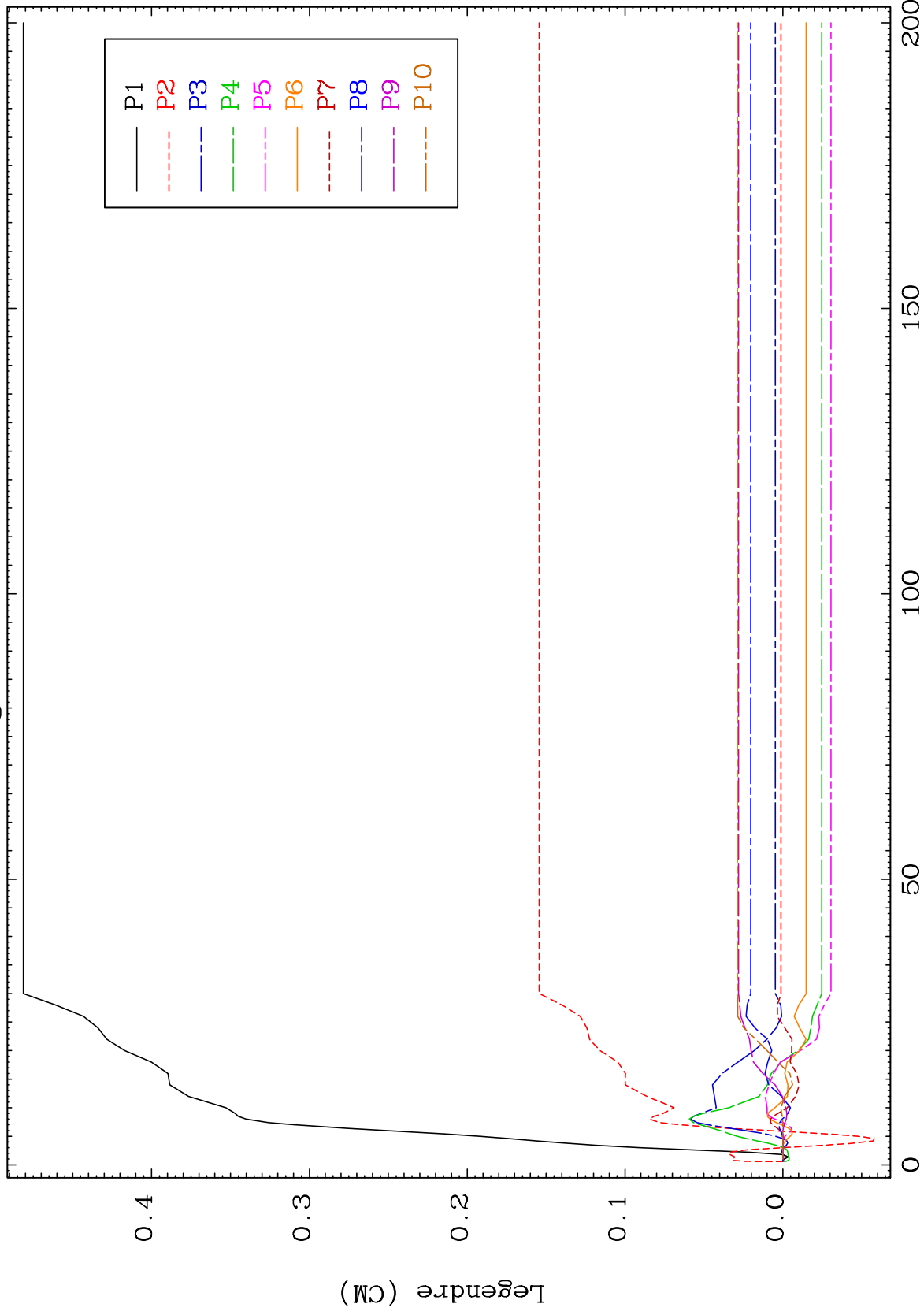
82-Pb-199

MAT 8210

MT= 77 (n,n') Level

82-Pb-199

Legendre Coefficients



122

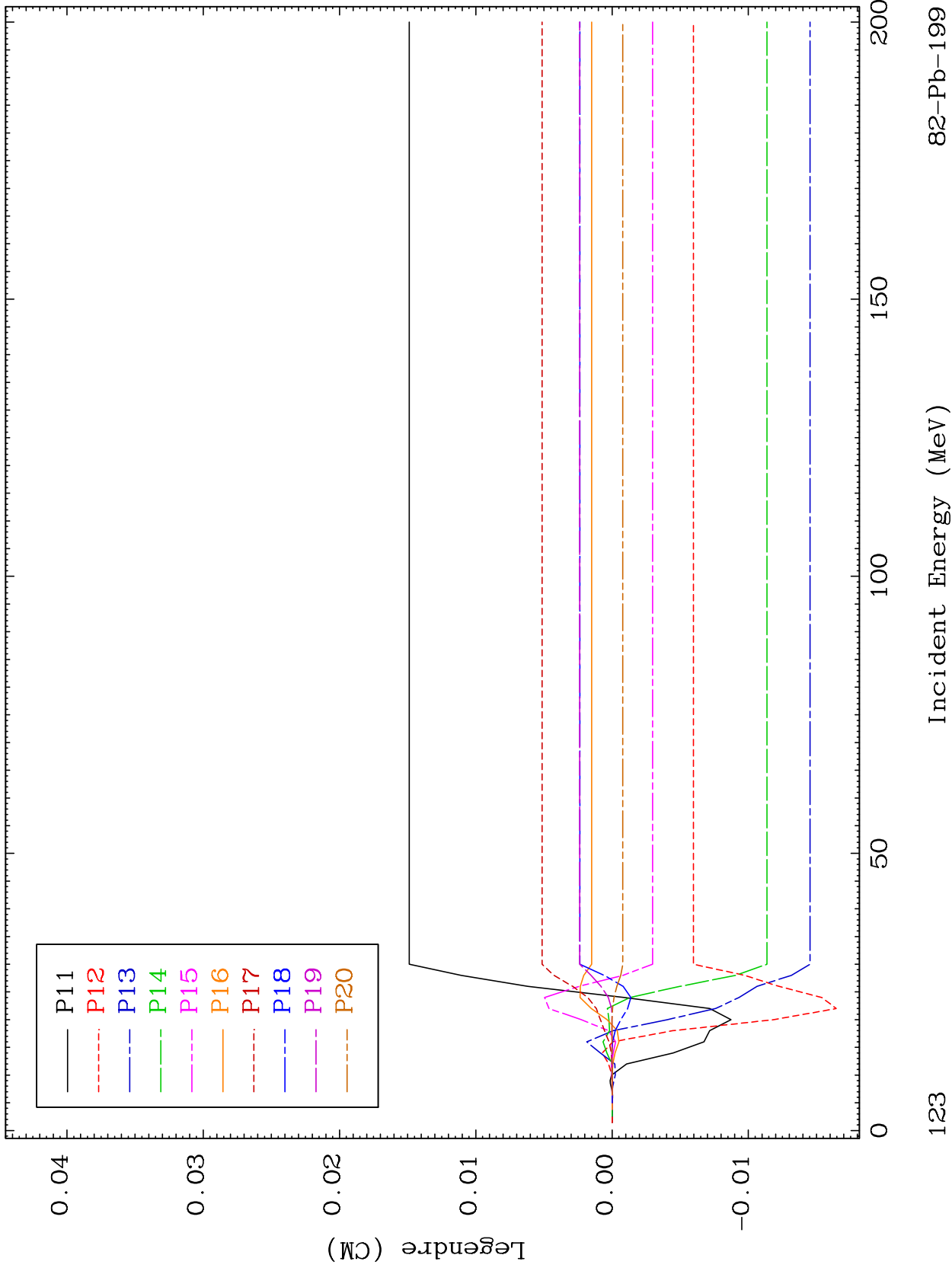
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



123

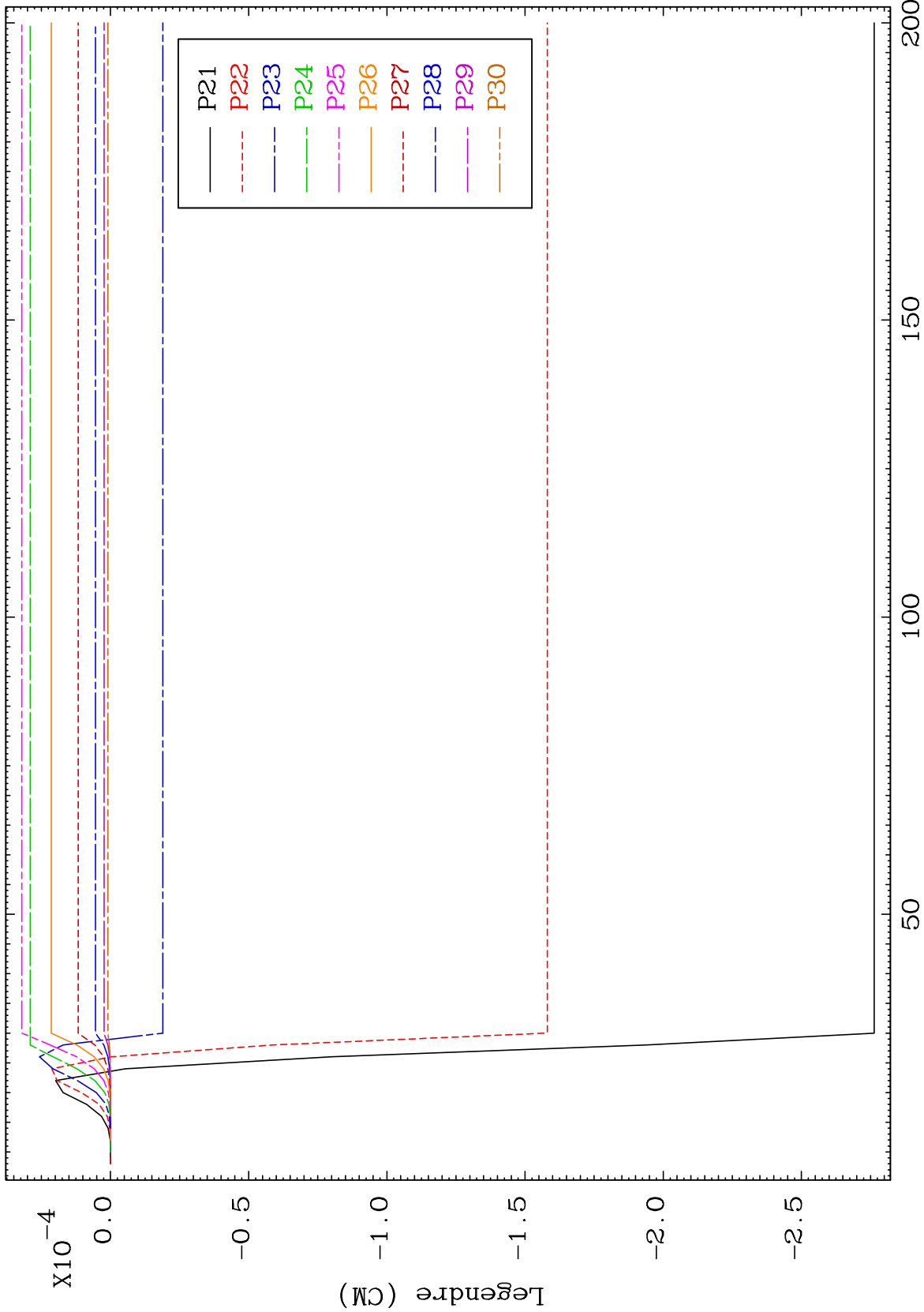
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



124

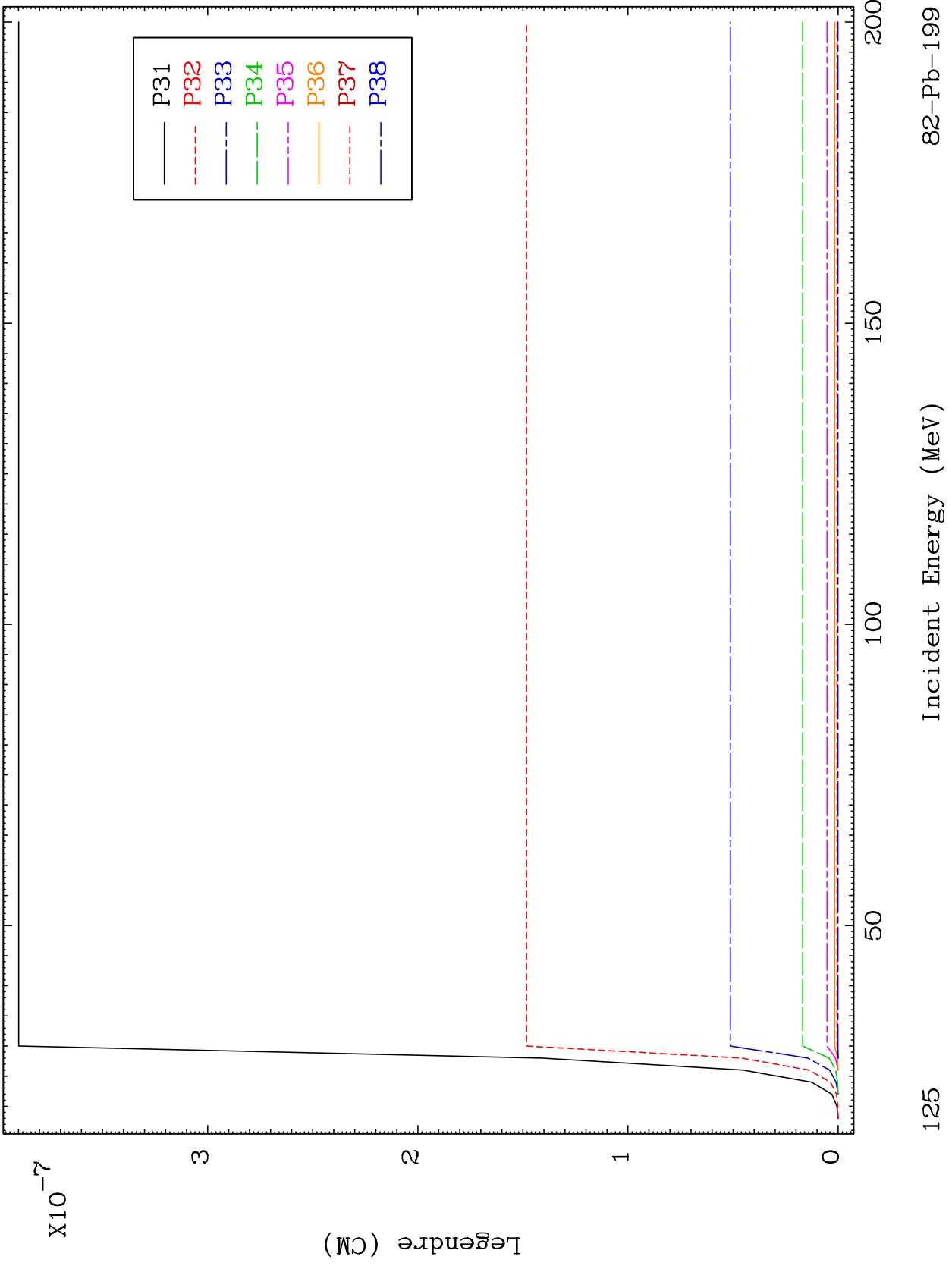
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

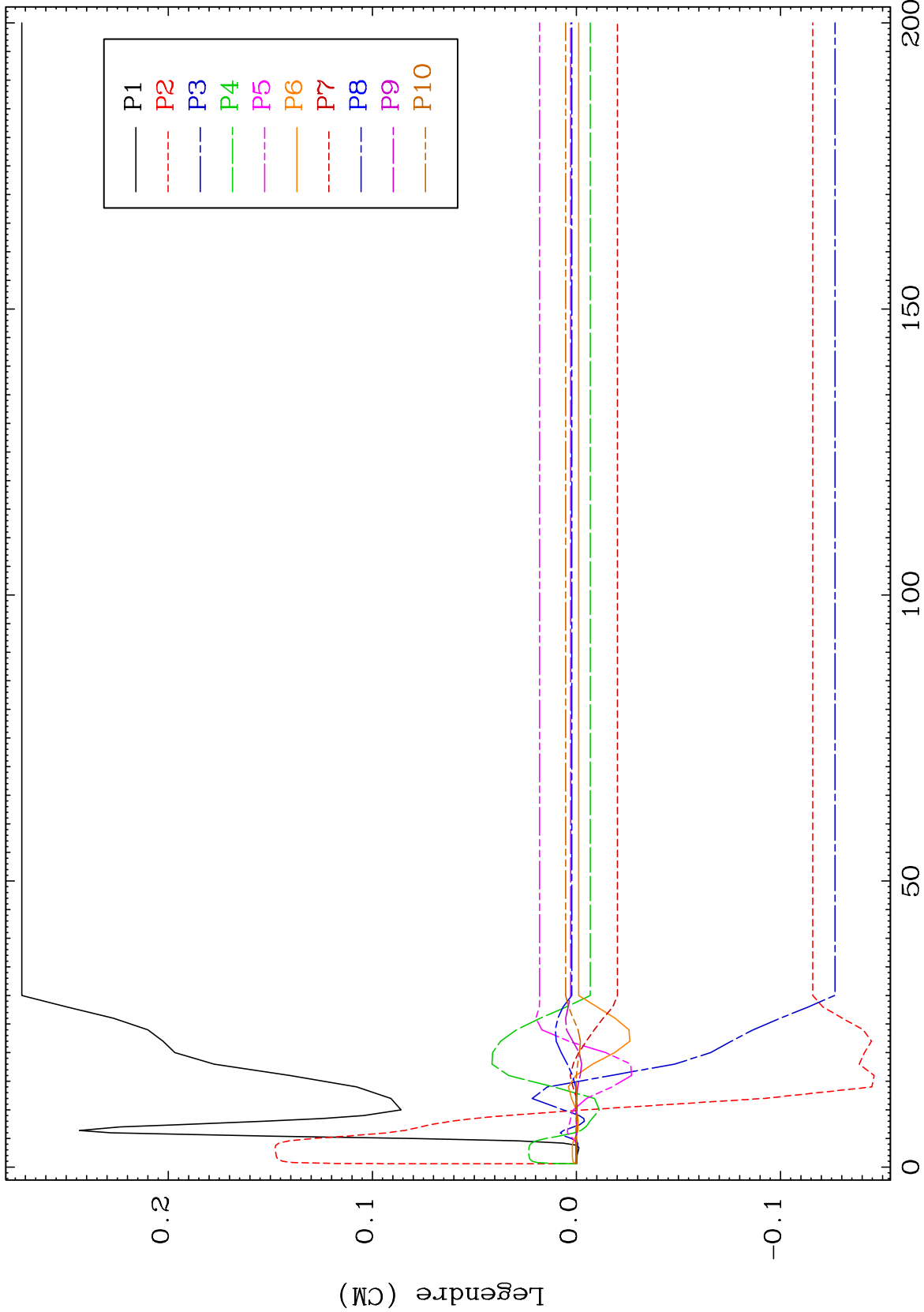
82-Pb-199



MAT 8210

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

82-Pb-199



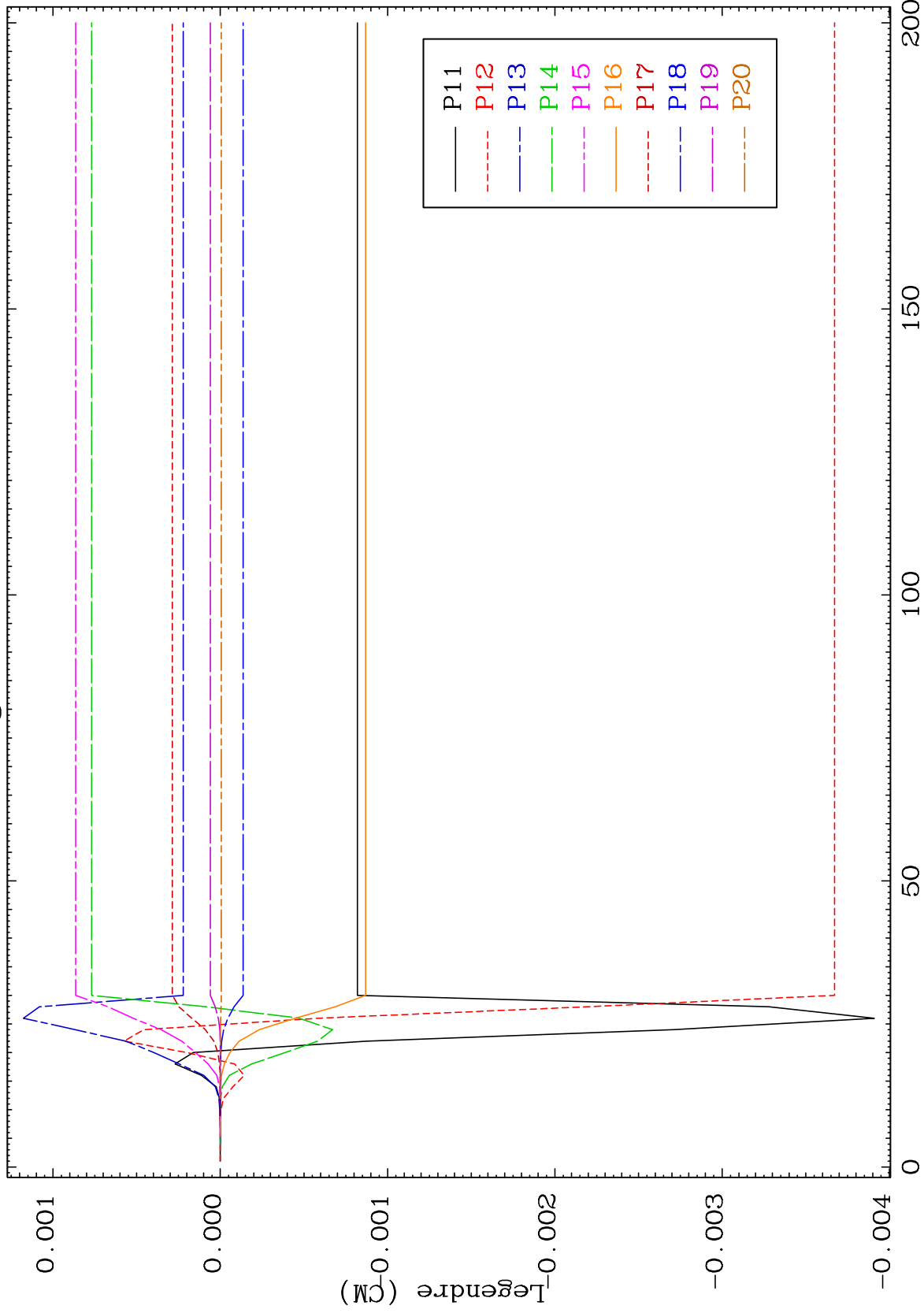
126

82-Pb-199

MAT 8210

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

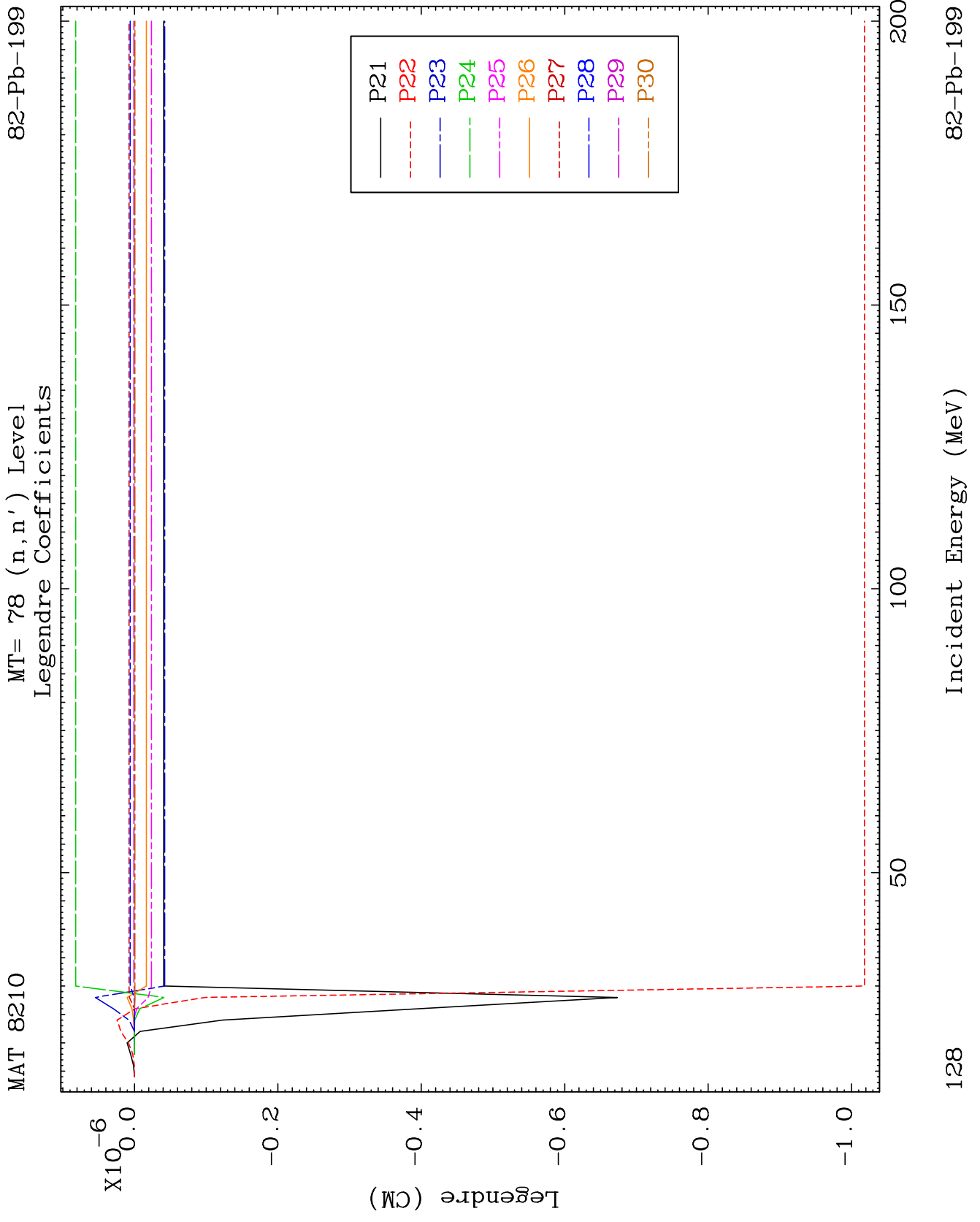
82-Pb-199

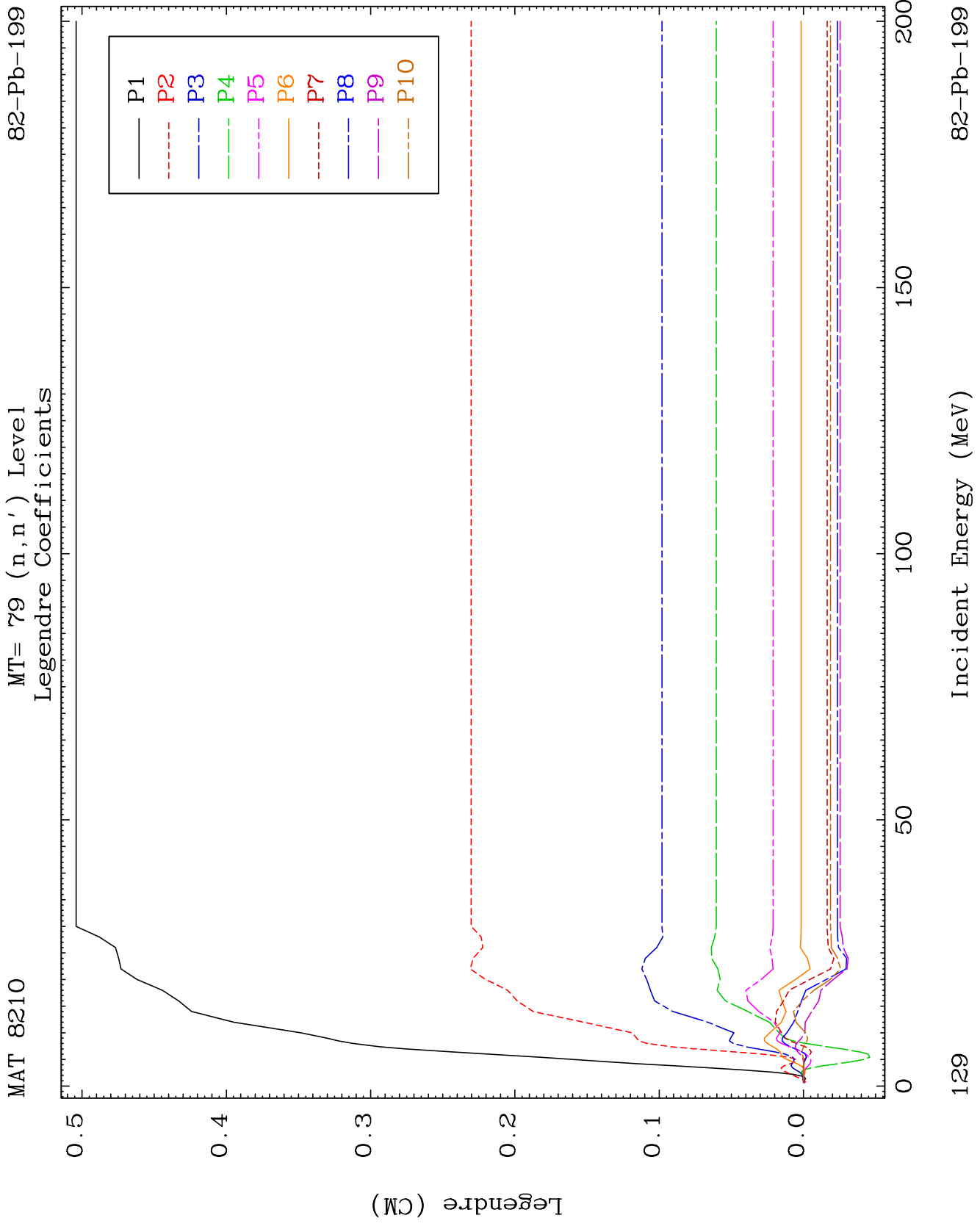


127

Incident Energy (MeV)

82-Pb-199

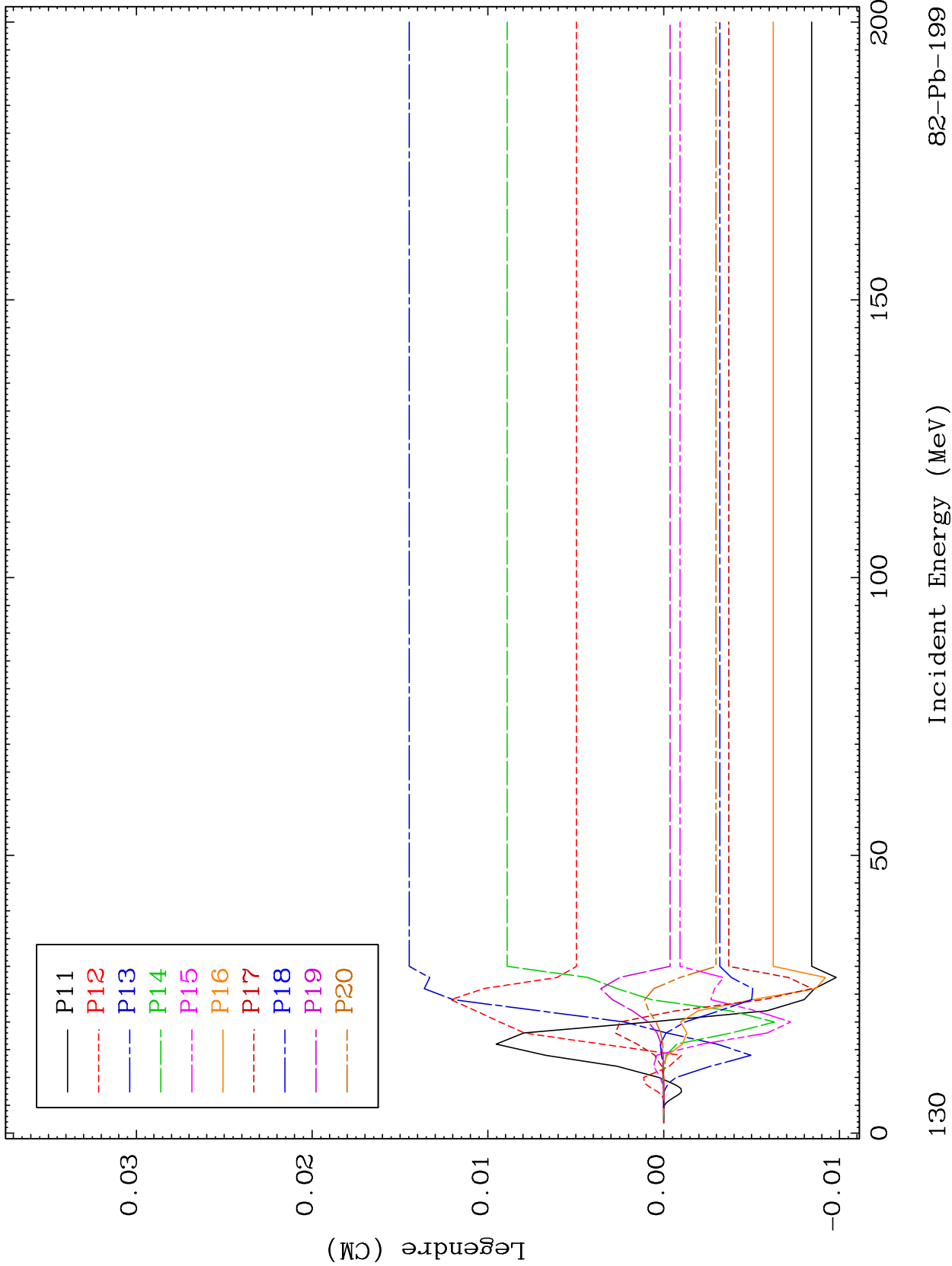




MAT 8210

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

82-Pb-199



130

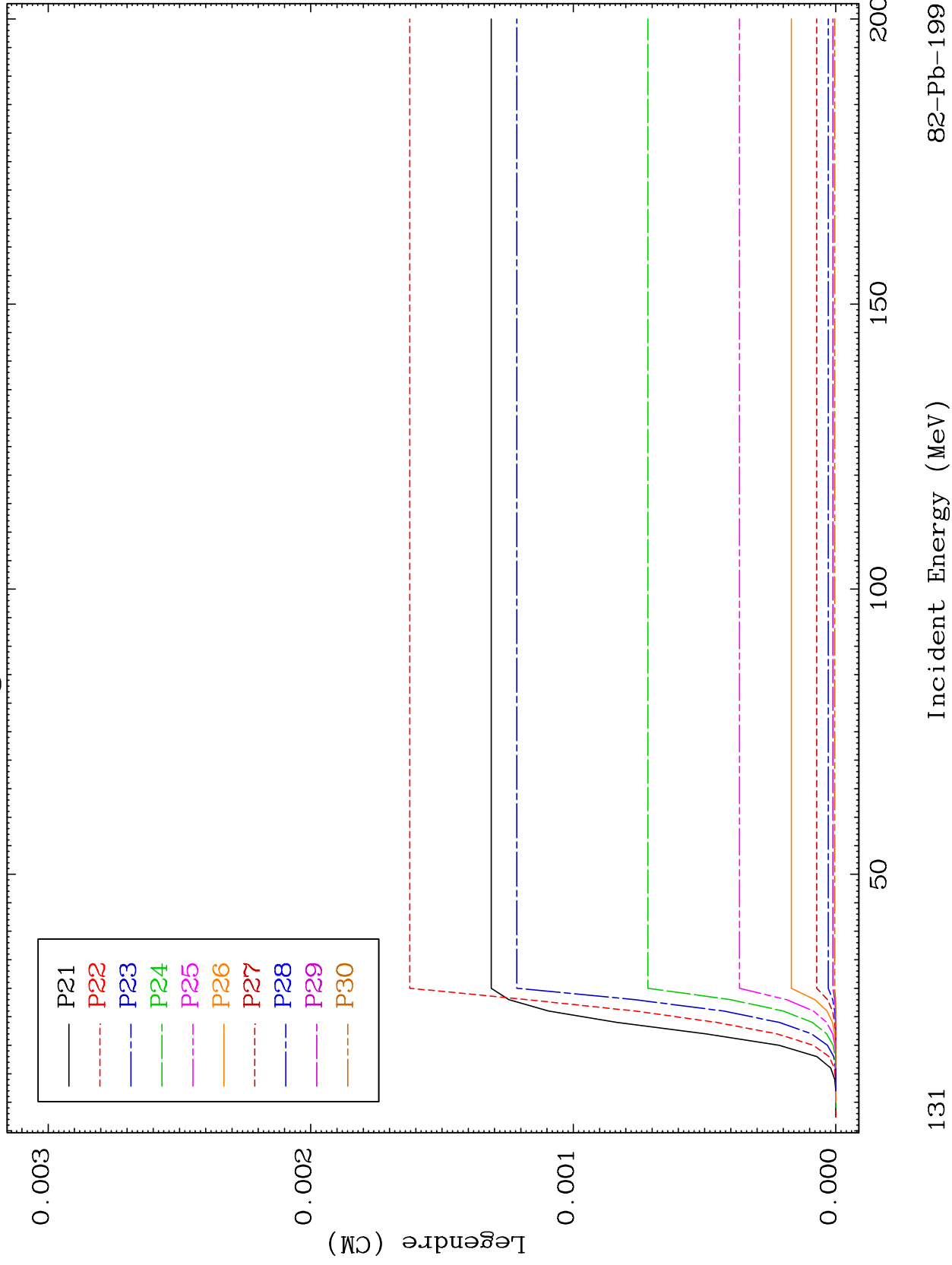
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



131

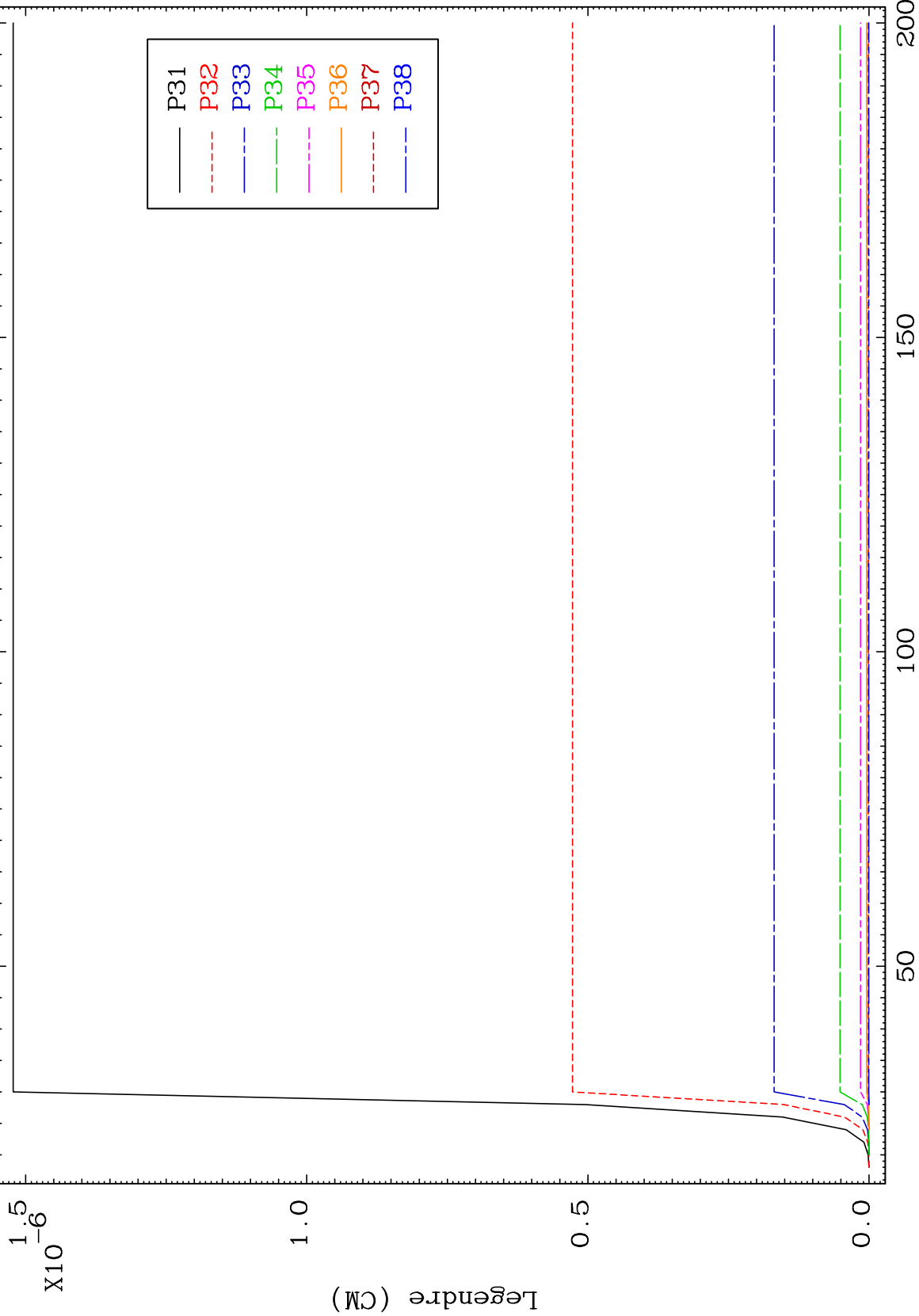
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



132

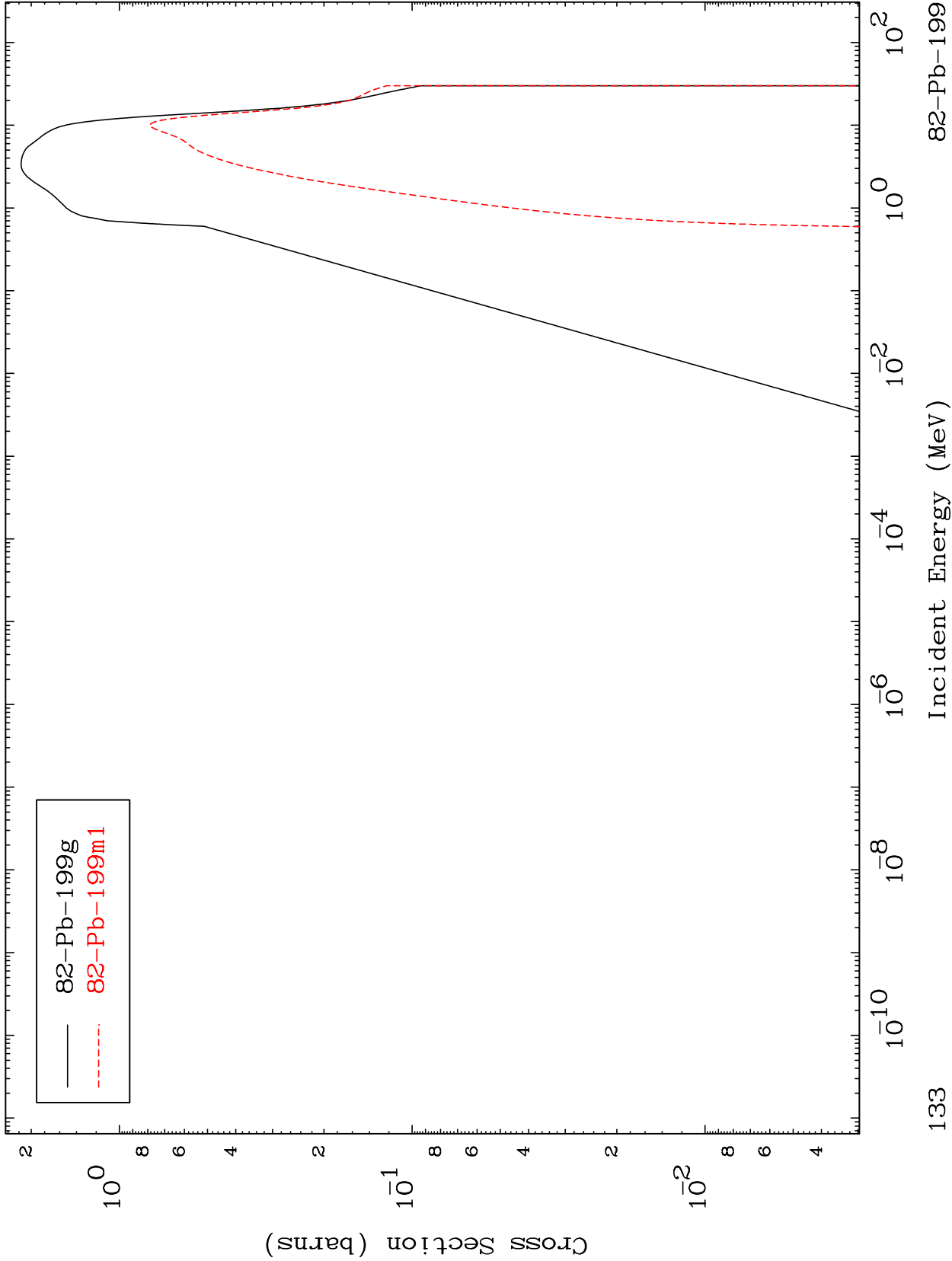
Incident Energy (MeV)

82-Pb-199

MAT 8210

Inelastic
Radionuclide Production Cross Section

82-Pb-199



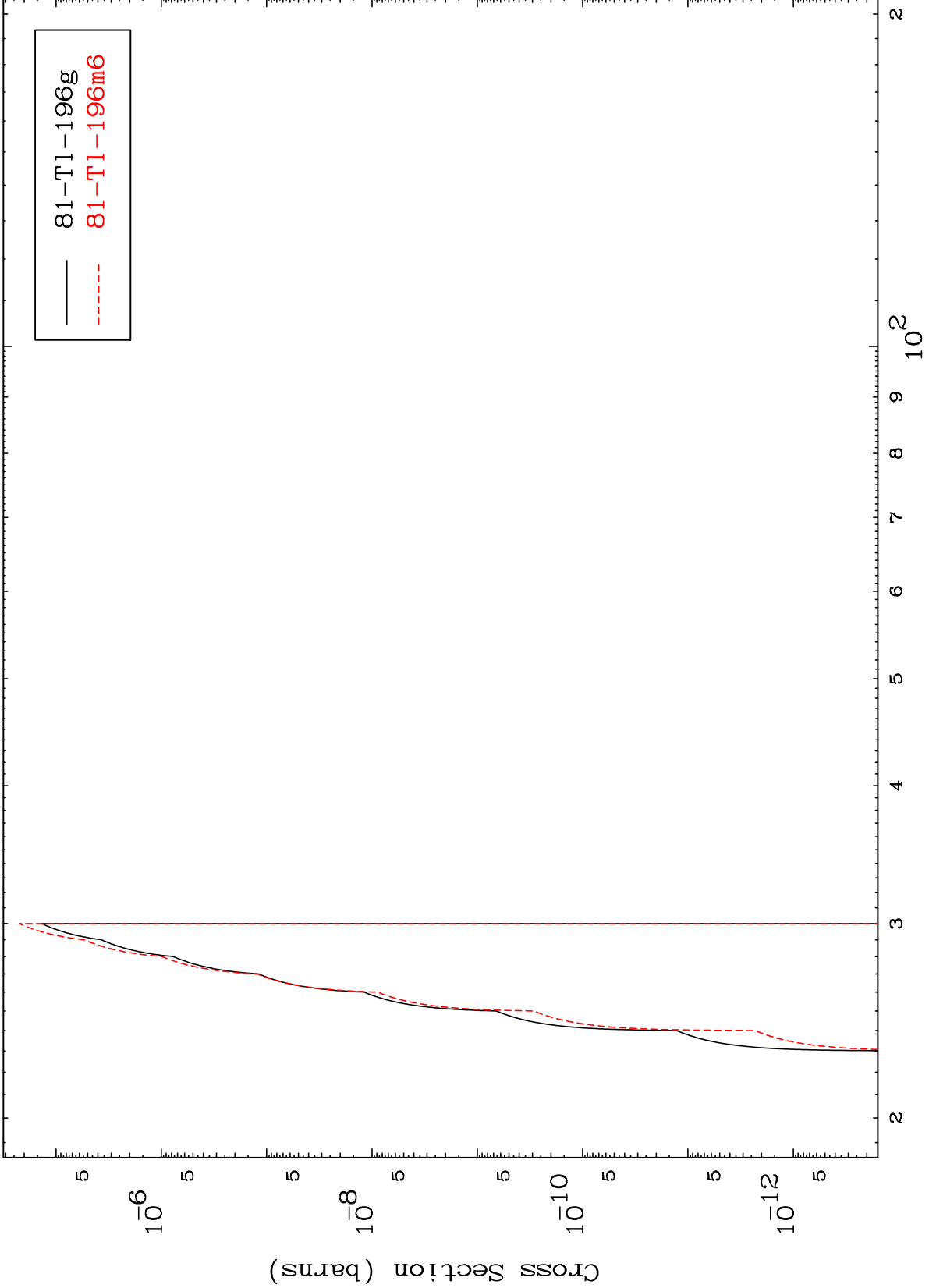
82-Pb-199

MAT 8210

(n,2n) d

82-Pb-199

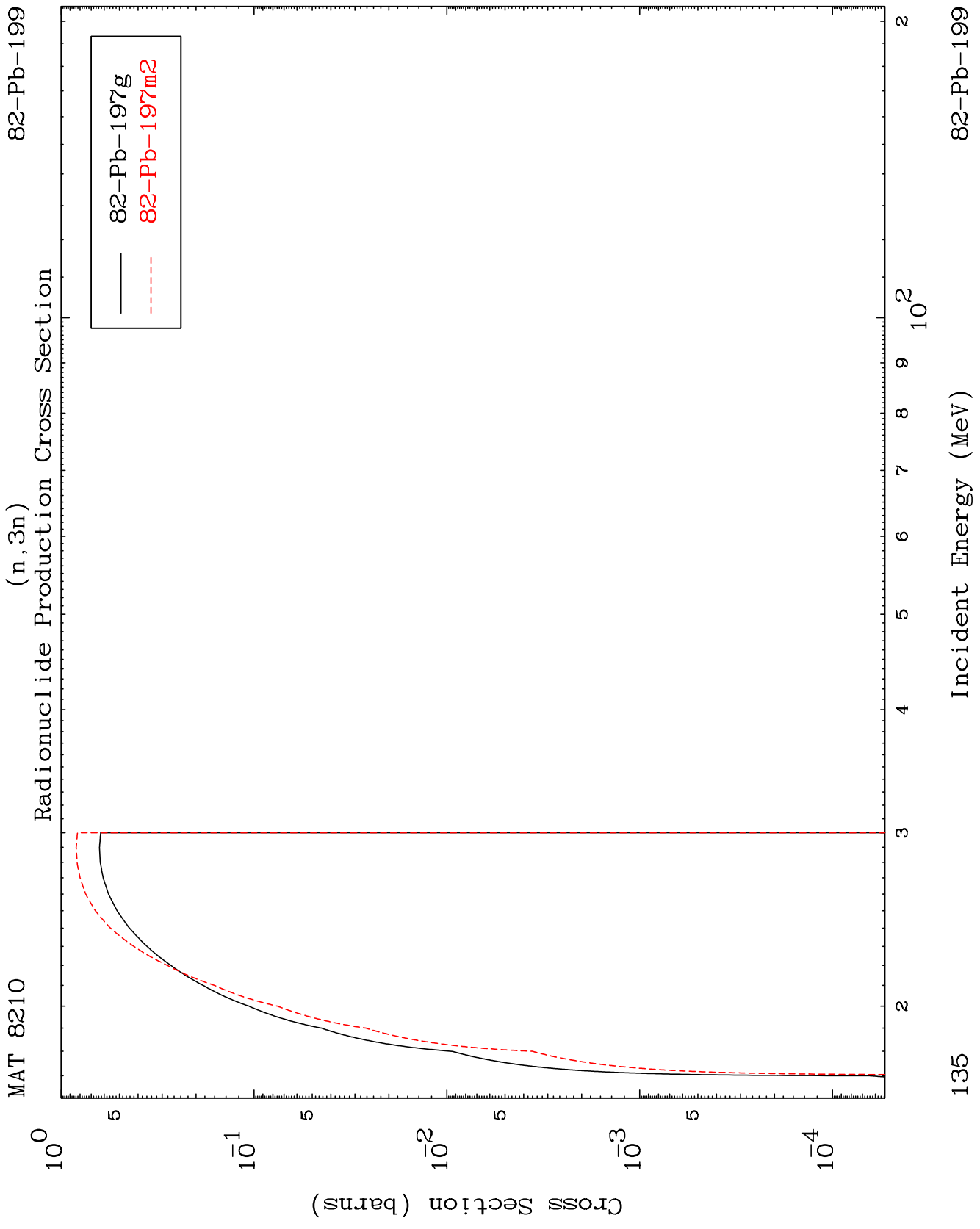
Radionuclide Production Cross Section



134

Incident Energy (MeV)

82-Pb-199

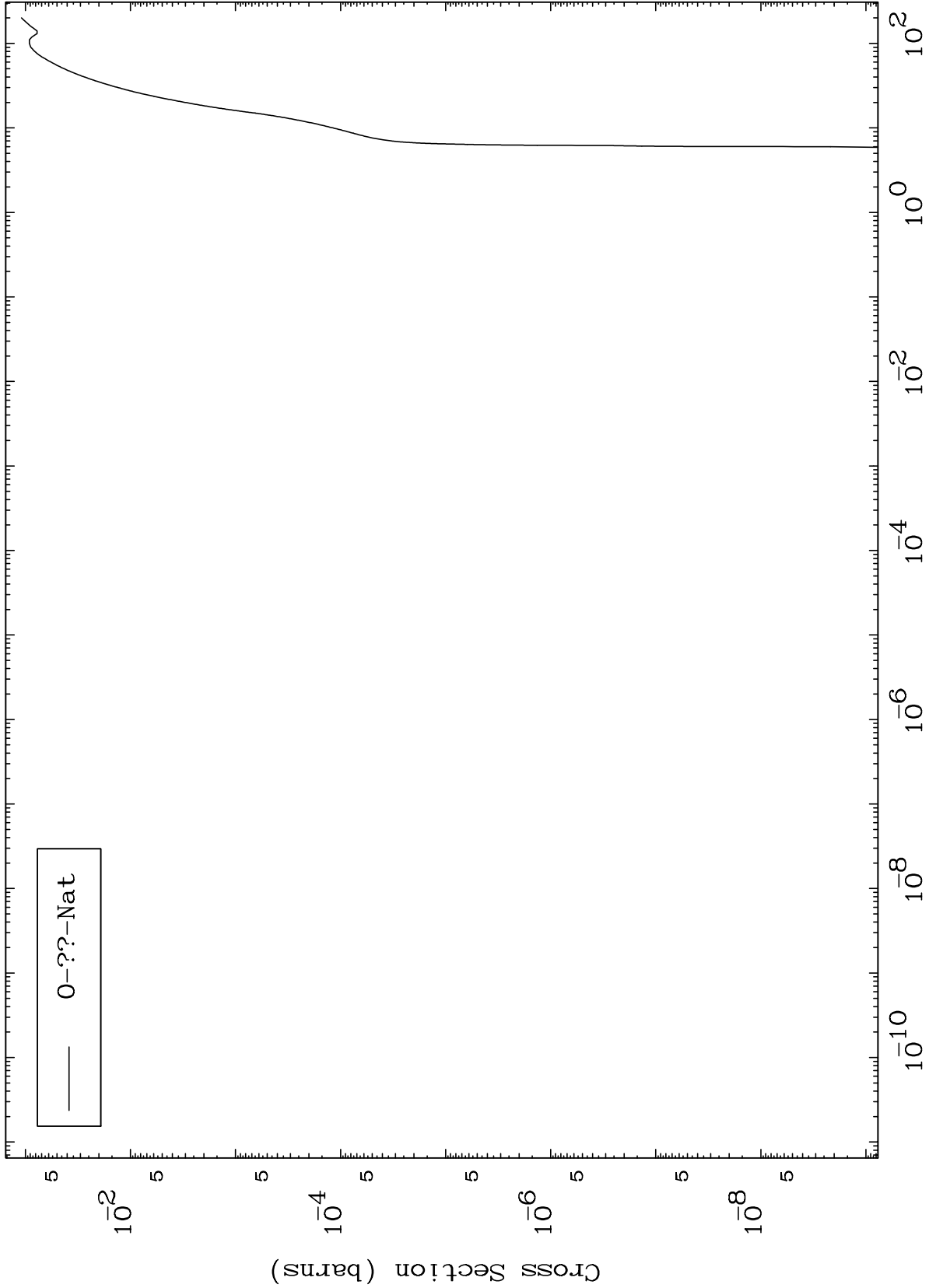


MAT 8210

Fission

82-Pb-199

Radionuclide Production Cross Section



136

Incident Energy (MeV)

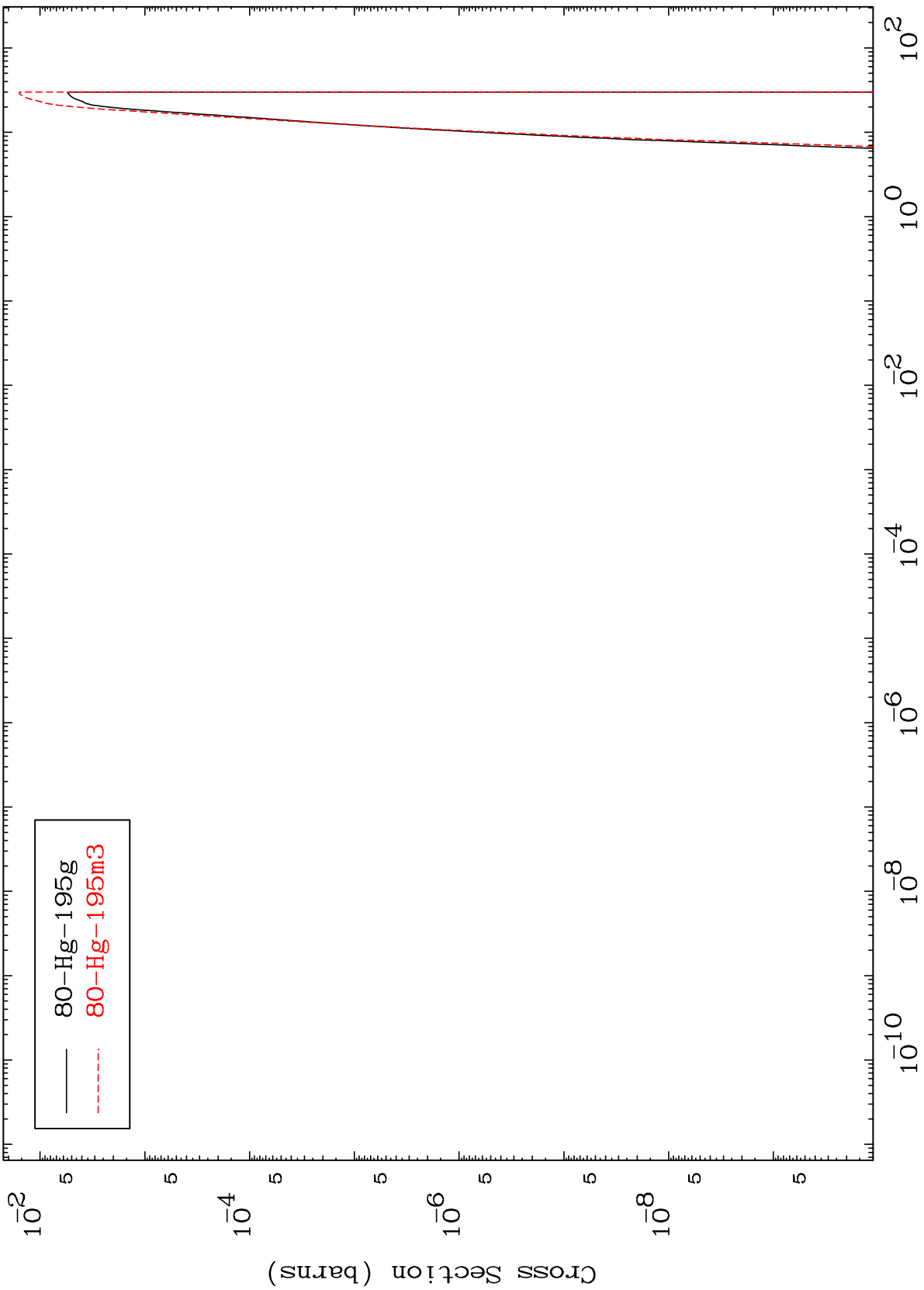
82-Pb-199

MAT 8210

$(n, n') \alpha$

82-Pb-199

Radionuclide Production Cross Section

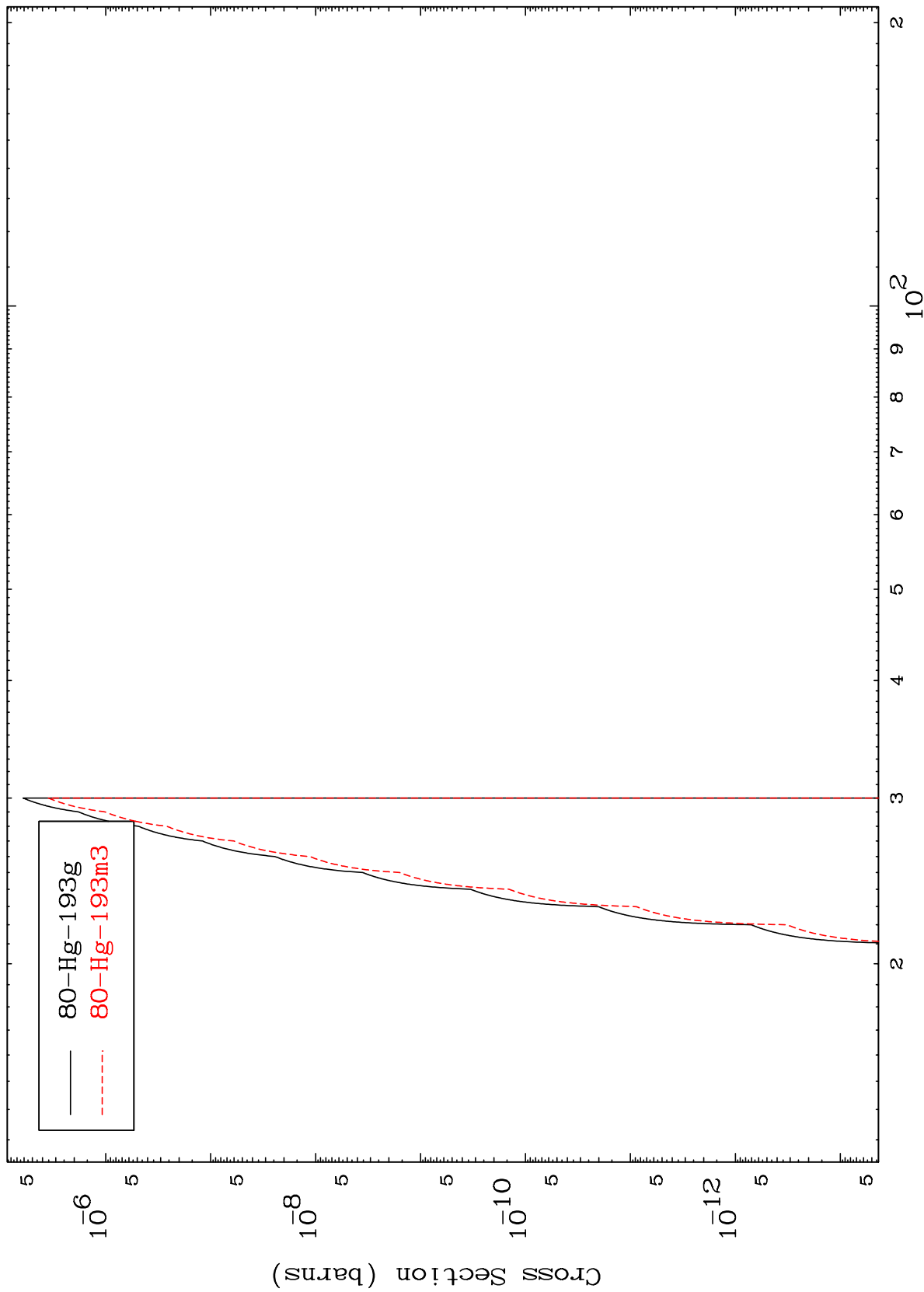


MAT 8210

(n,3n) α

82-Pb-199

Radionuclide Production Cross Section



138

Incident Energy (MeV)

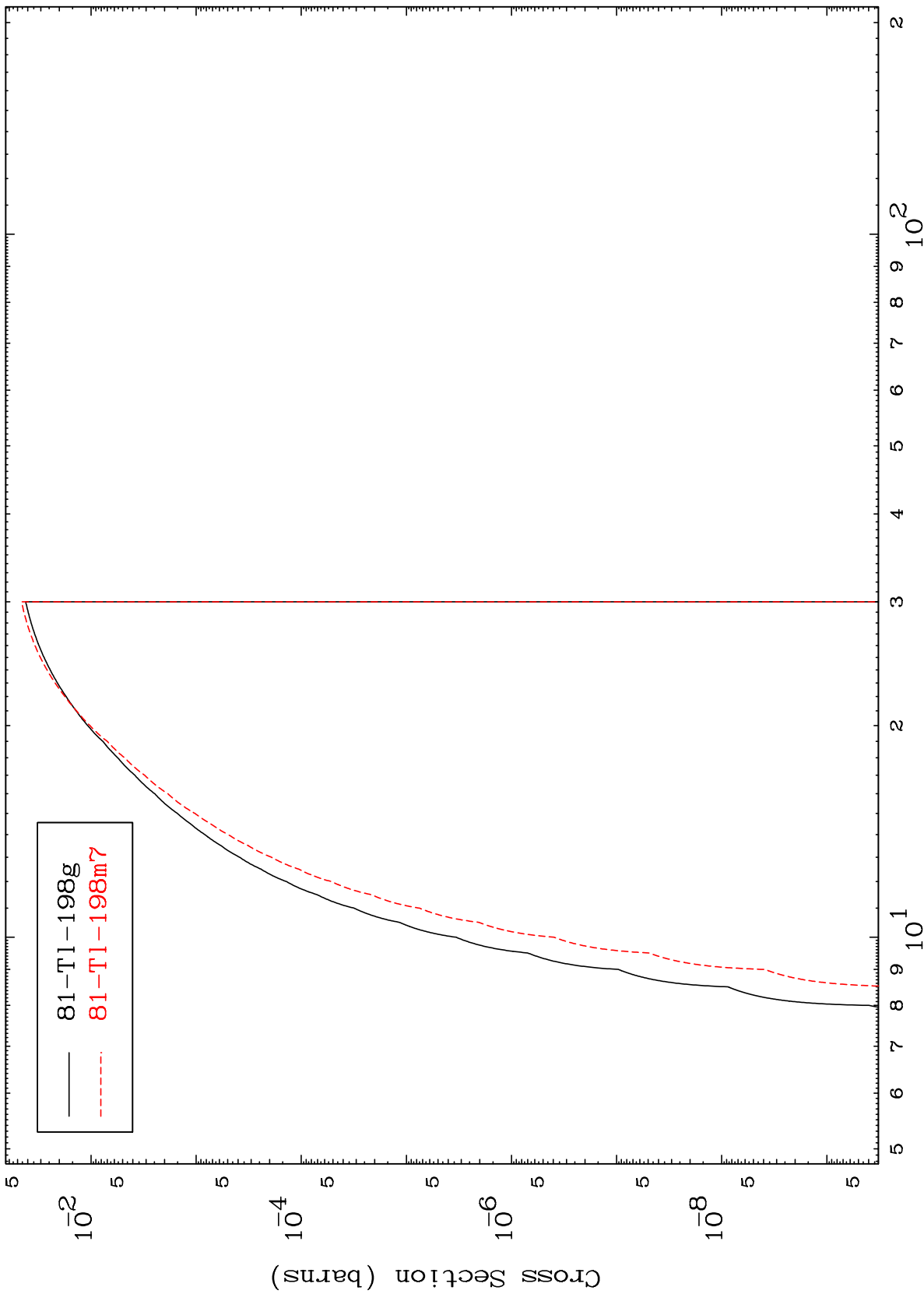
82-Pb-199

MAT 8210

(n,n') p

82-Pb-199

Radionuclide Production Cross Section



139

Incident Energy (MeV)

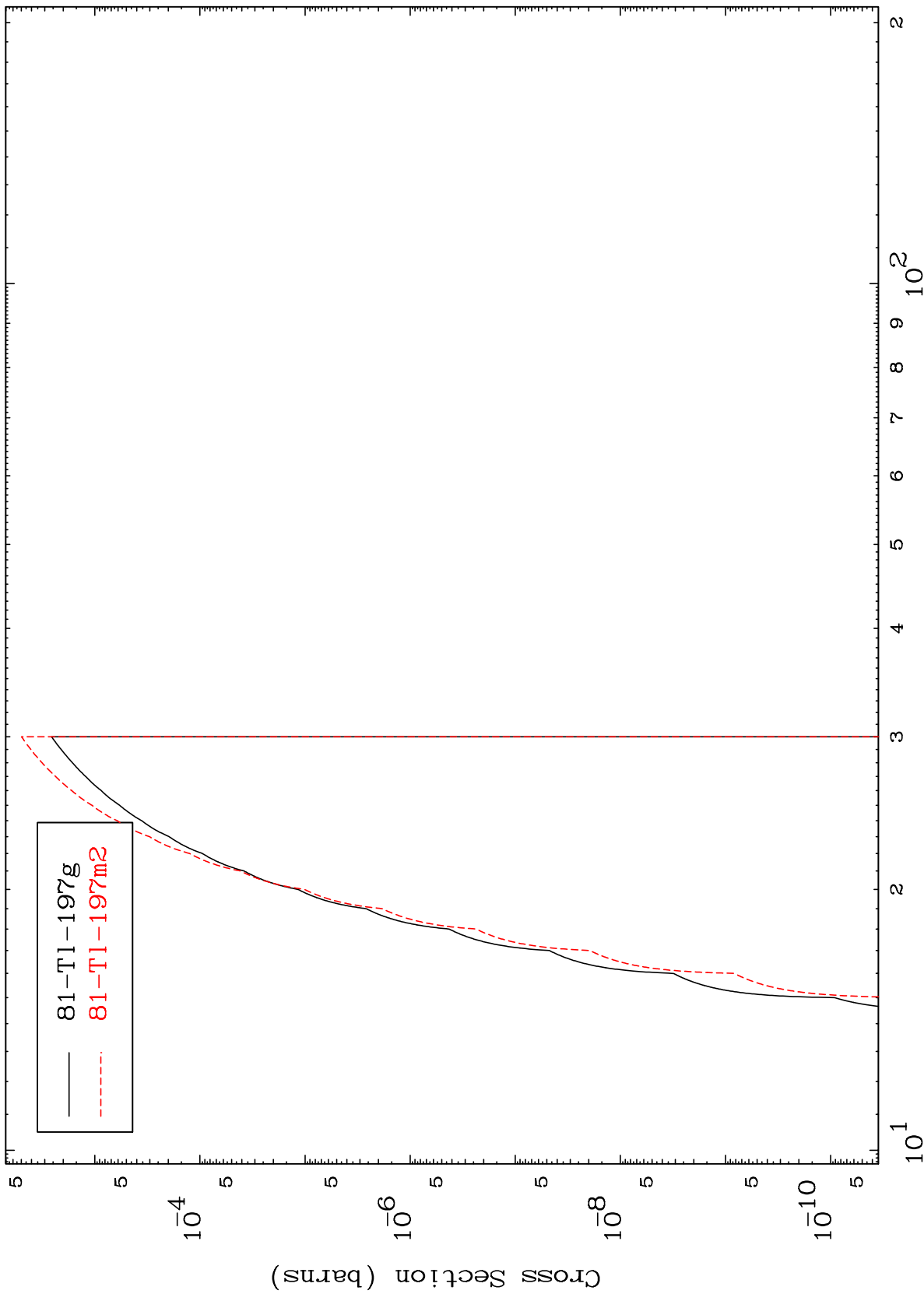
82-Pb-199

MAT 8210

(n,n') d

82-Pb-199

Radionuclide Production Cross Section



Incident Energy (MeV)

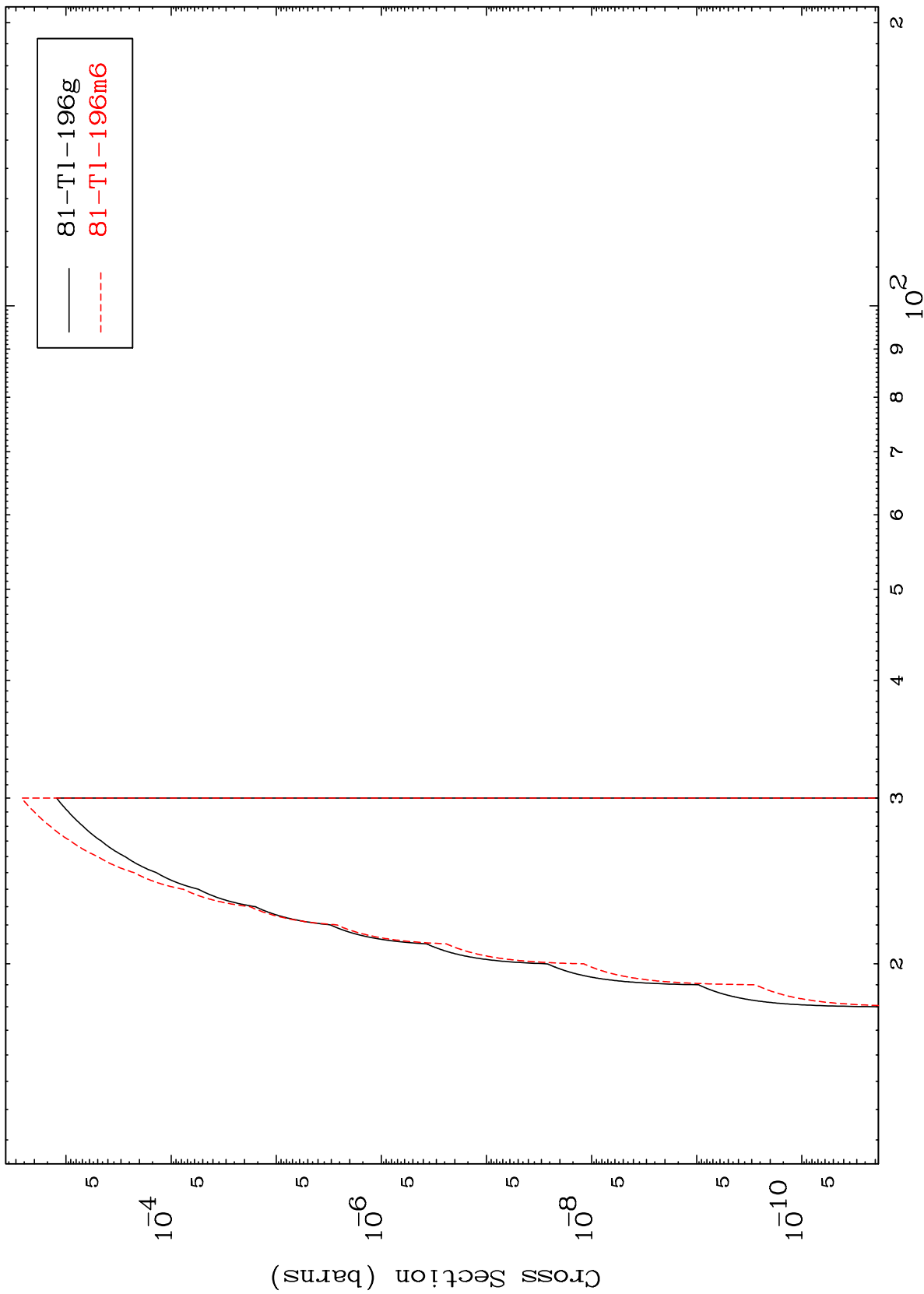
82-Pb-199

MAT 8210

(n,n') t

82-Pb-199

Radionuclide Production Cross Section

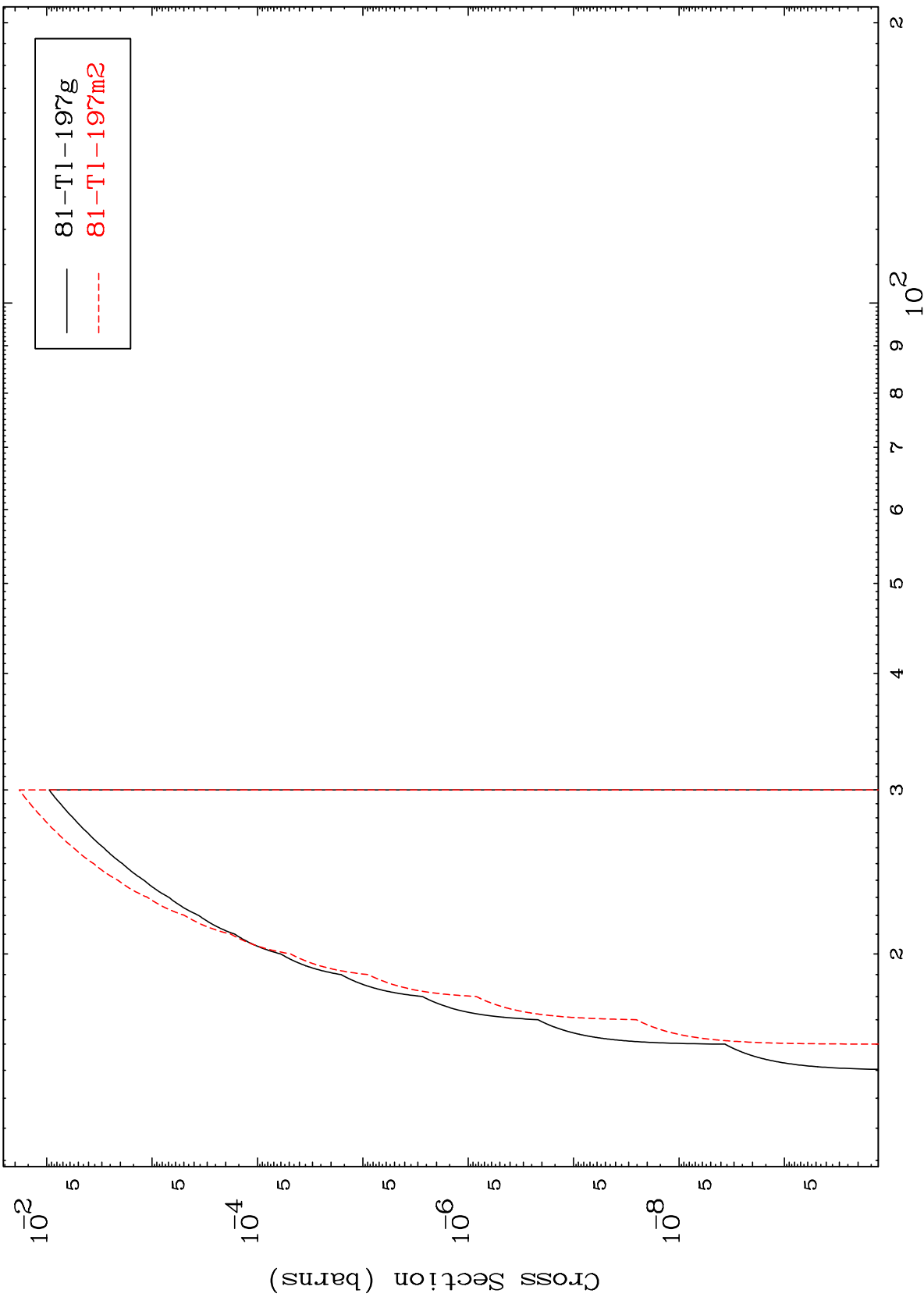


141

Incident Energy (MeV)

82-Pb-199

Radionuclide Production Cross Section



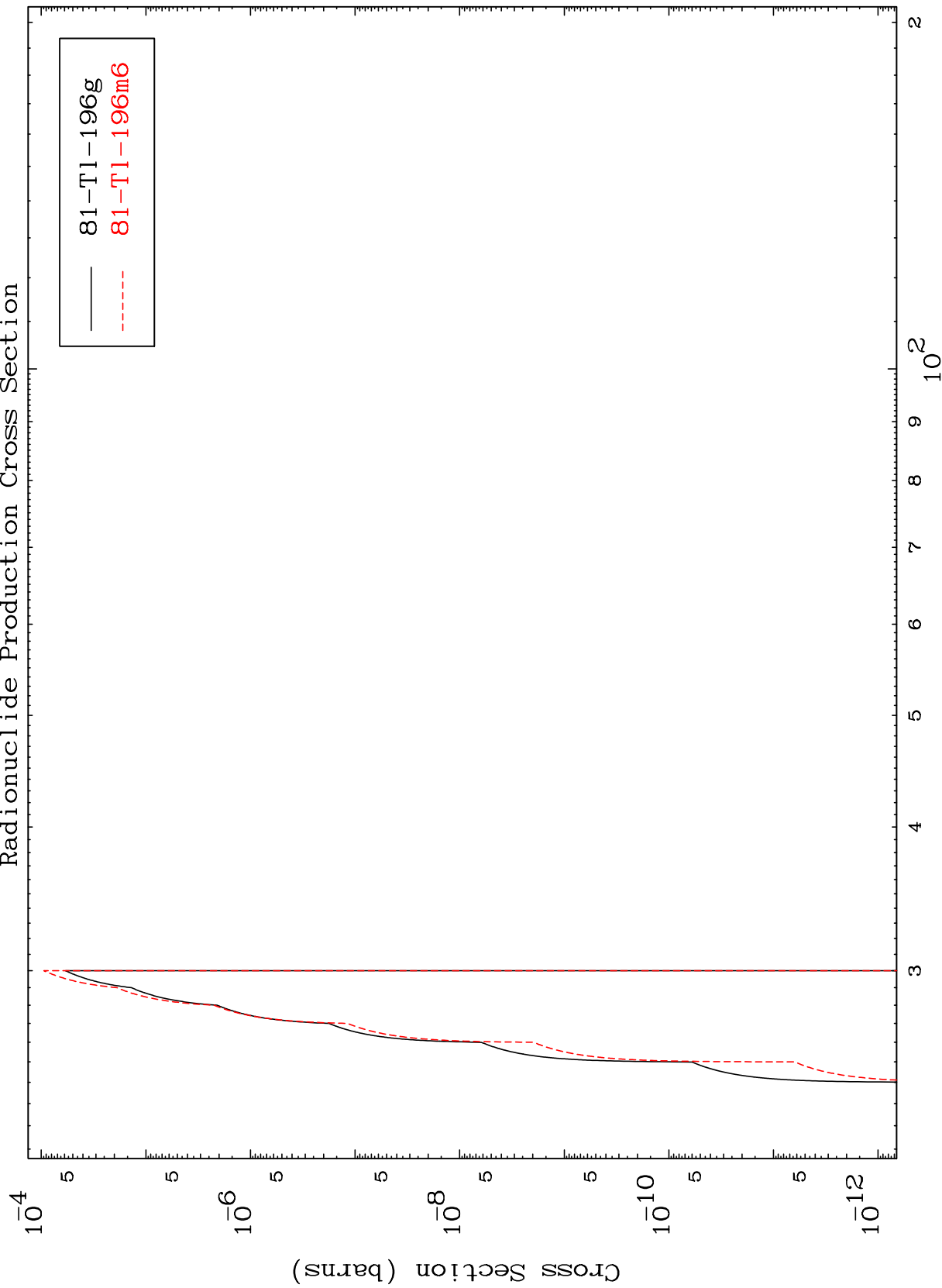
81-Tl-197g
81-Tl-197m2

MAT 8210

(n,3n) p

82-Pb-199

Radionuclide Production Cross Section



81-Tl-196g
81-Tl-196m6

143

Incident Energy (MeV)

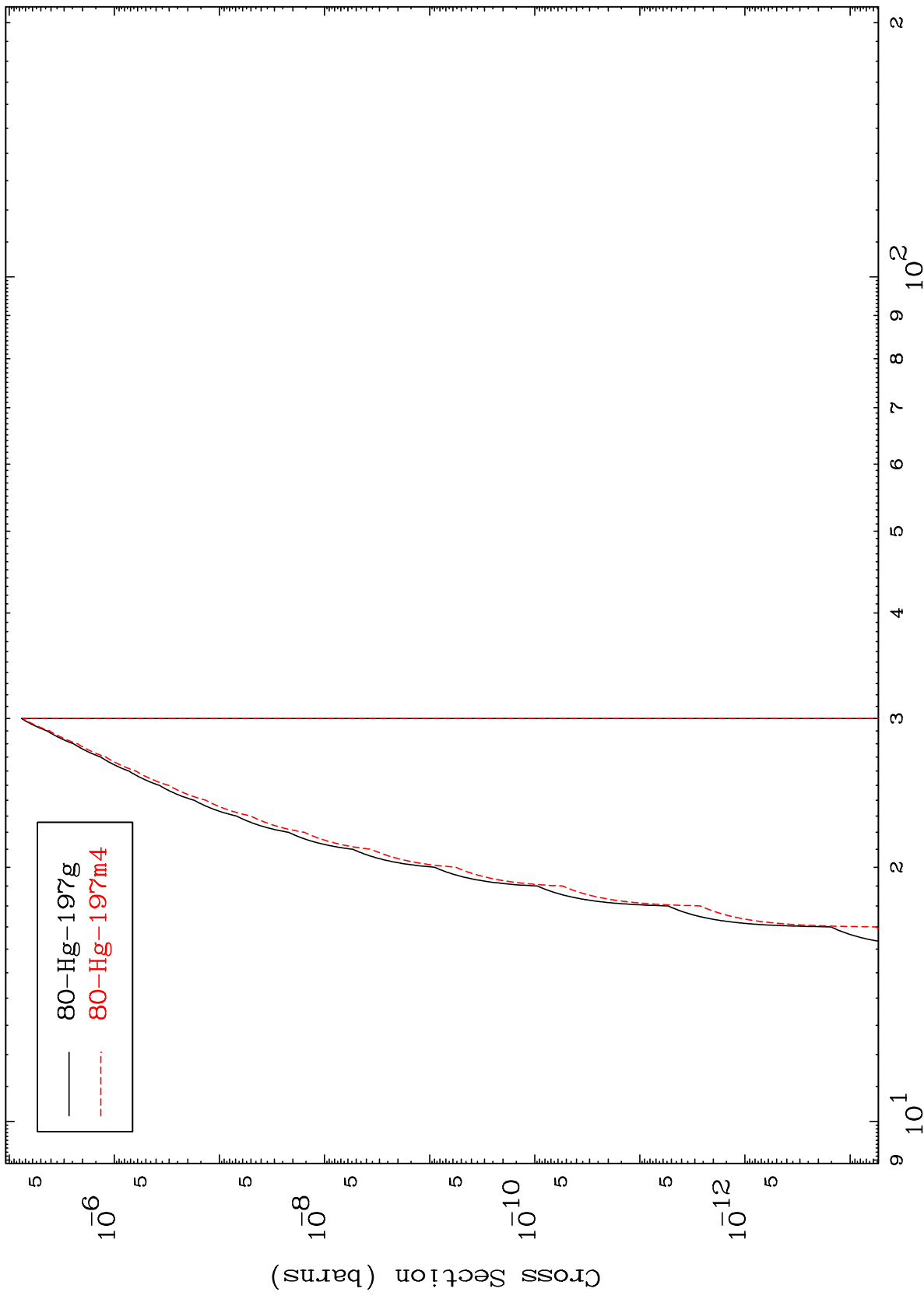
82-Pb-199

MAT 8210

(n,2n) p

82-Pb-199

Radionuclide Production Cross Section



144

Incident Energy (MeV)

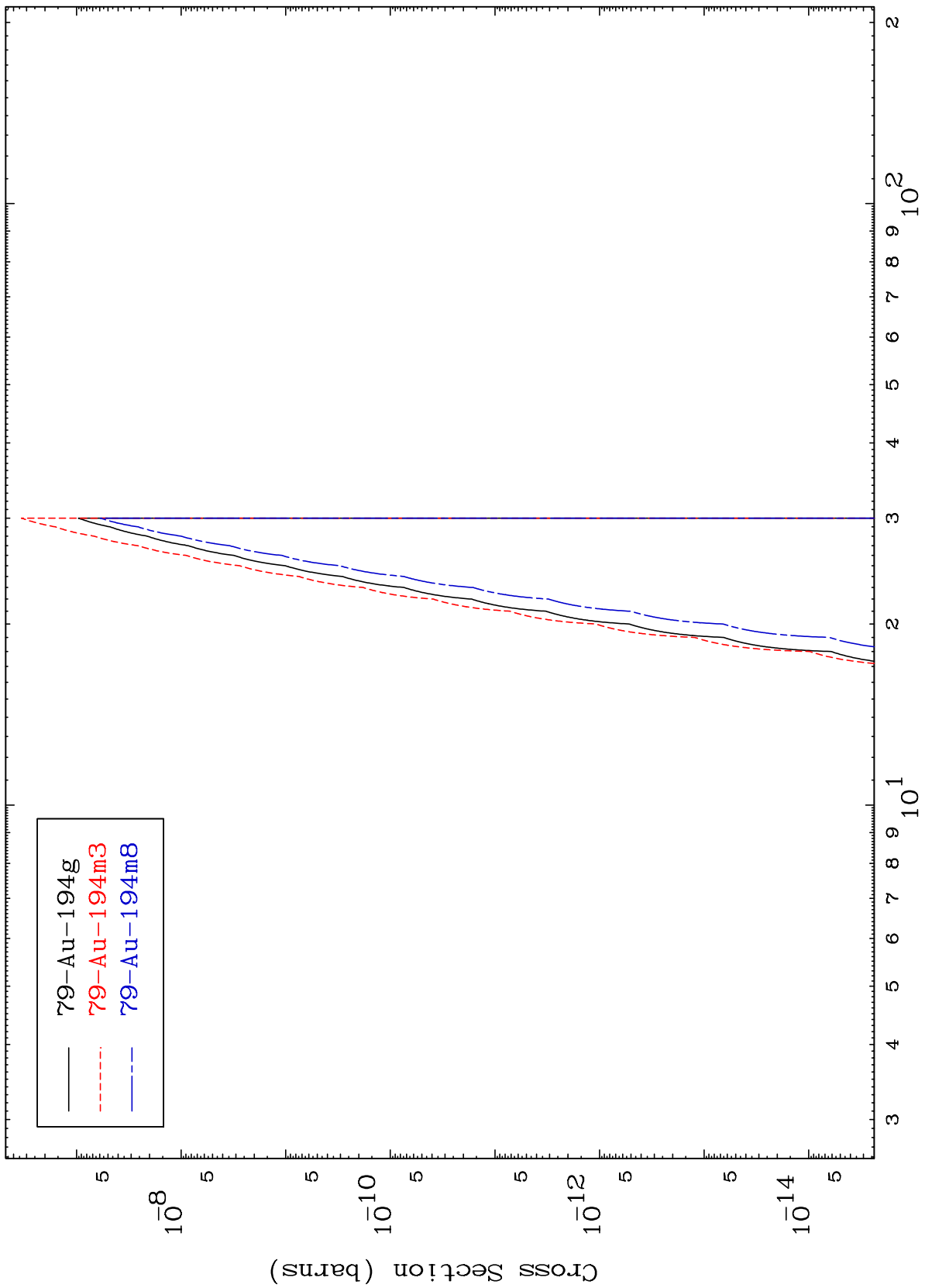
82-Pb-199

MAT 8210

(n,n') p α

82-Pb-199

Radionuclide Production Cross Section



145

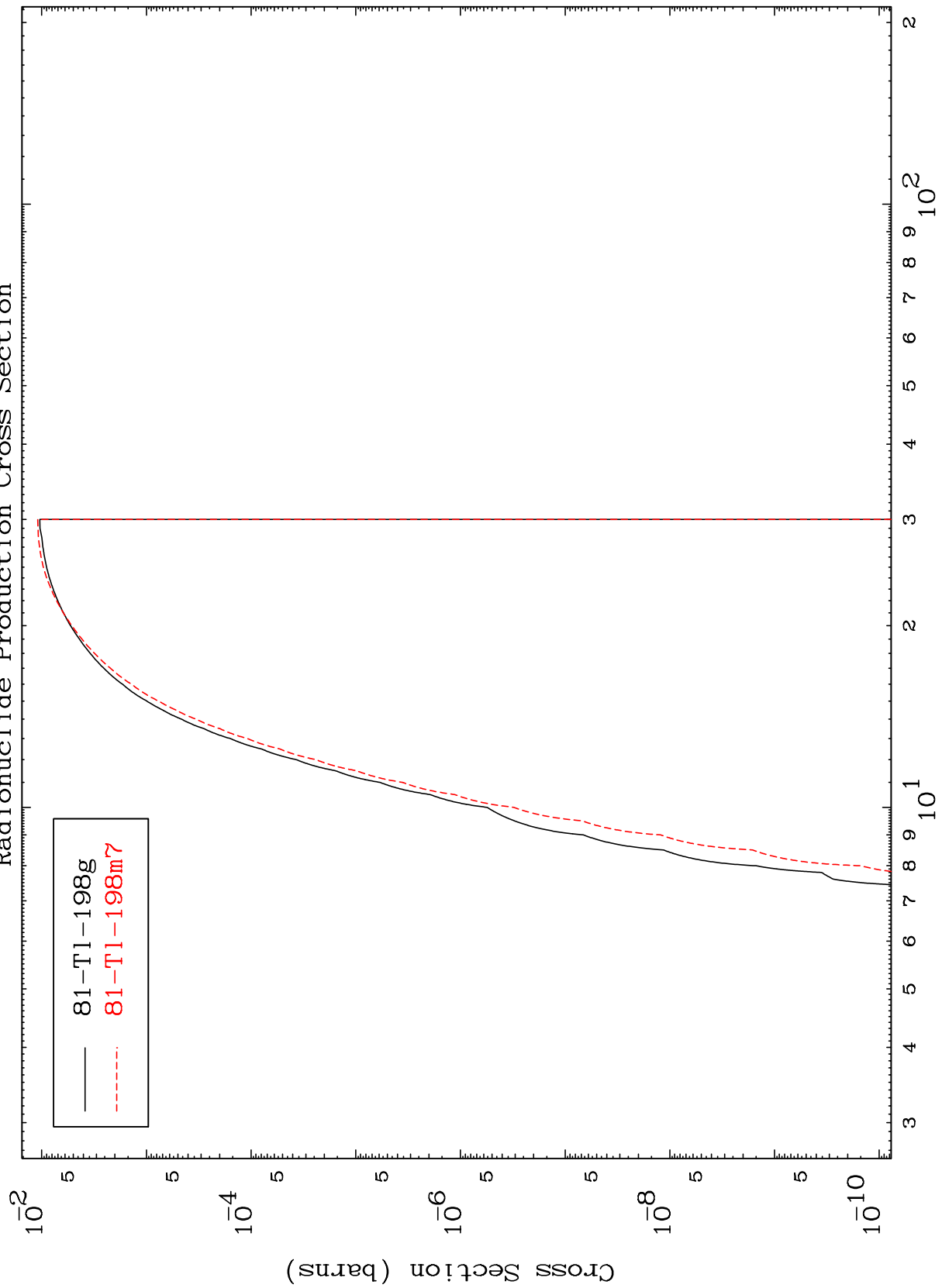
Incident Energy (MeV)

82-Pb-199

MAT 8210

82-Pb-199

(n,d)
Radionuclide Production Cross Section



82-Pb-199

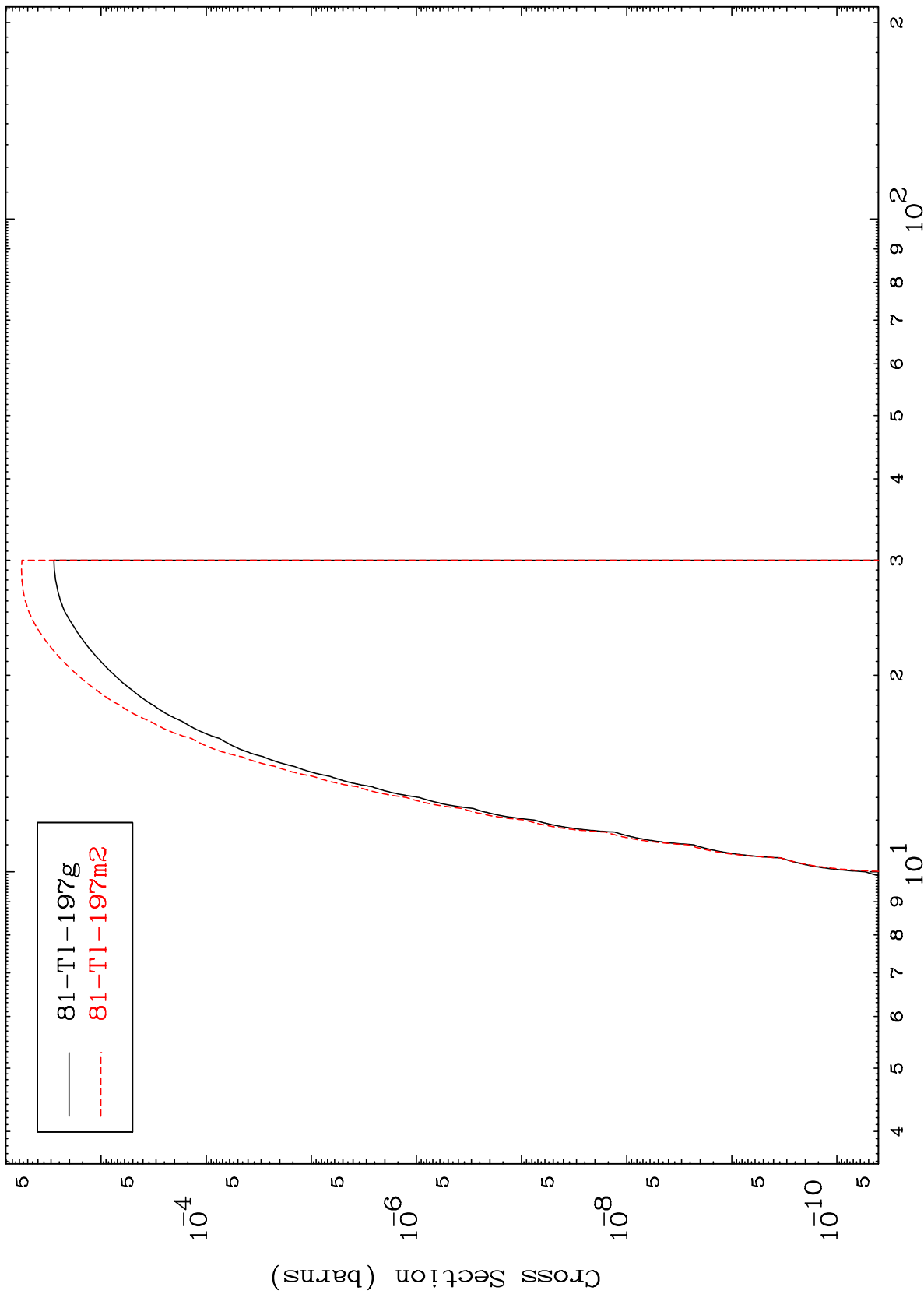
Incident Energy (MeV)

146

MAT 8210

82-Pb-199

(n, t)
Radionuclide Production Cross Section



147

82-Pb-199

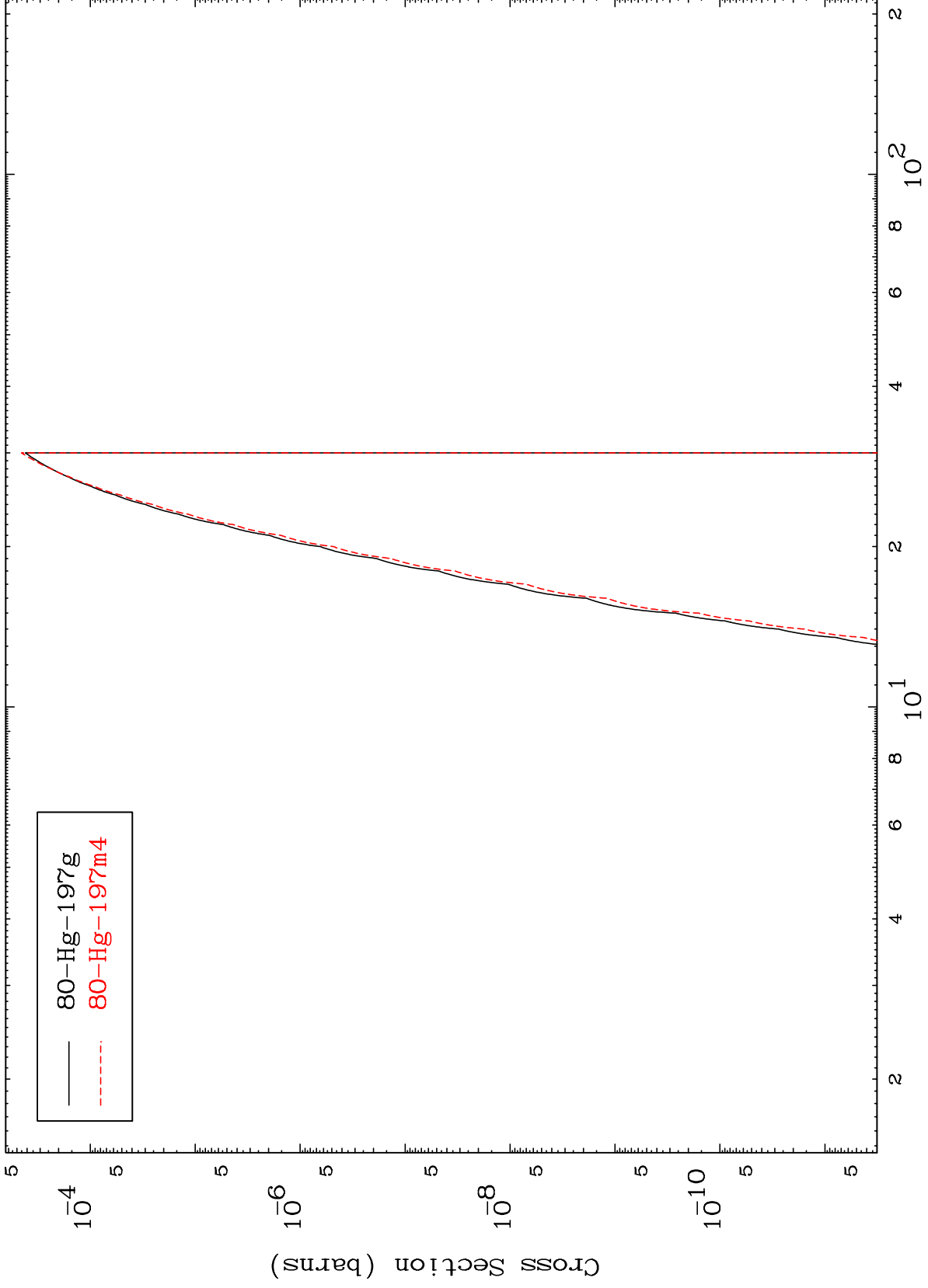
Incident Energy (MeV)

MAT 8210

(n,He-3)

82-Pb-199

Radionuclide Production Cross Section



148

Incident Energy (MeV)

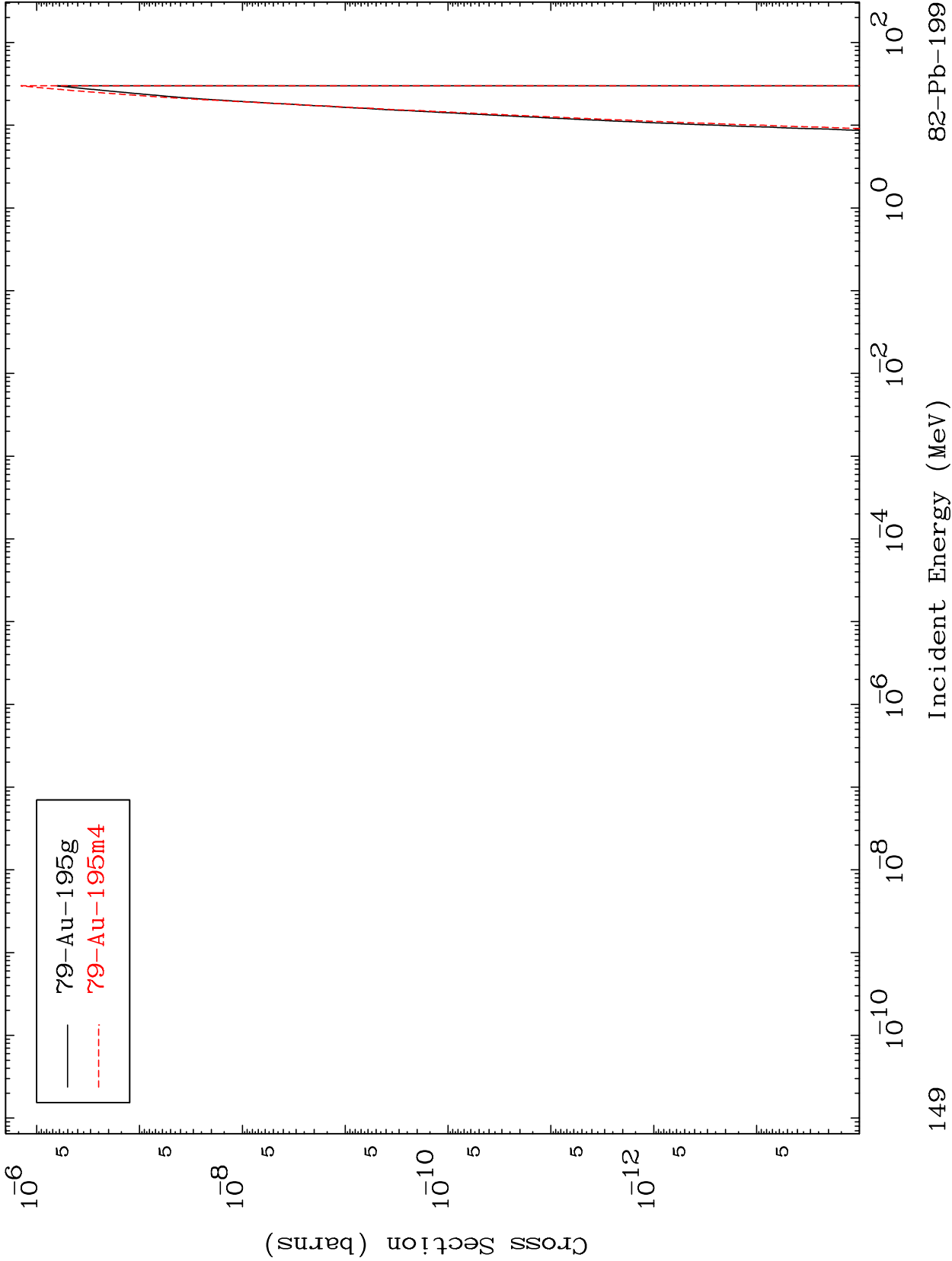
82-Pb-199

MAT 8210

(n,p) α

82-Pb-199

Radionuclide Production Cross Section

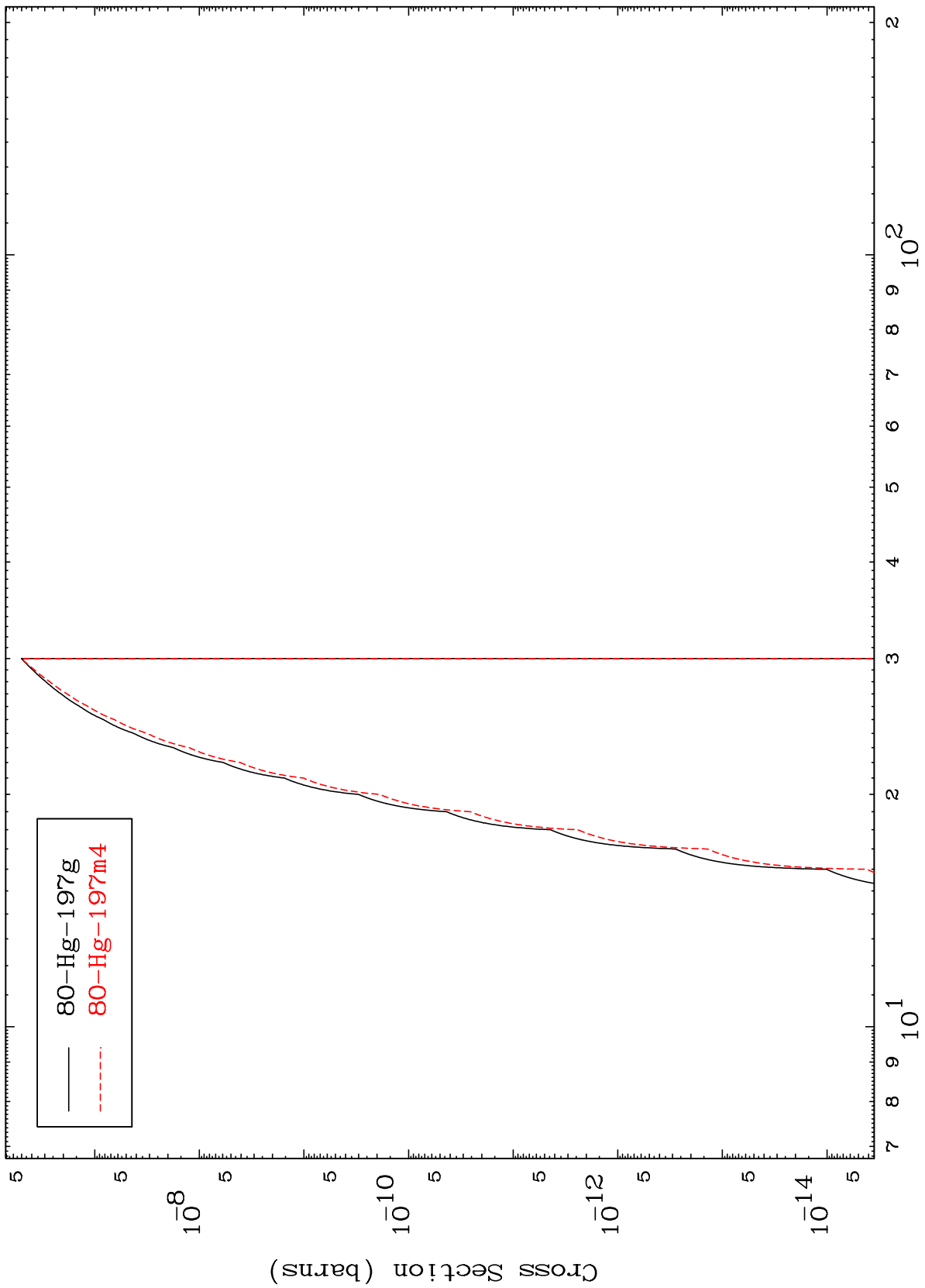


MAT 8210

(n,p) d

82-Pb-199

Radionuclide Production Cross Section



Legend:
— 80-Hg-197g
- - - 80-Hg-197m4

150

Incident Energy (MeV)

82-Pb-199

