

Program EVALPLOT
(Version 2017-1)

by

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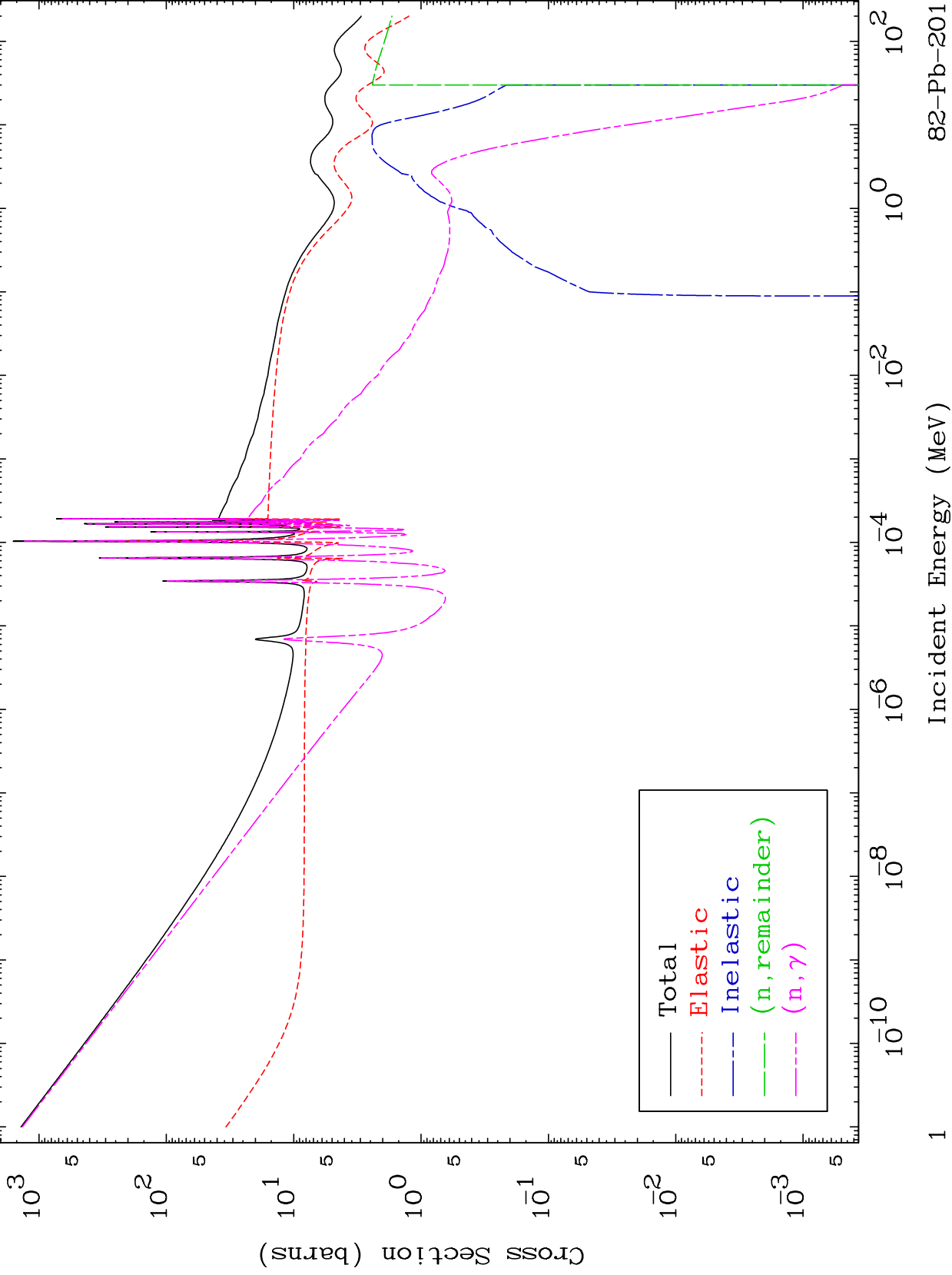
Press Mouse Button to Start

MAT 8216

Major

293 Kelvin Cross Sections

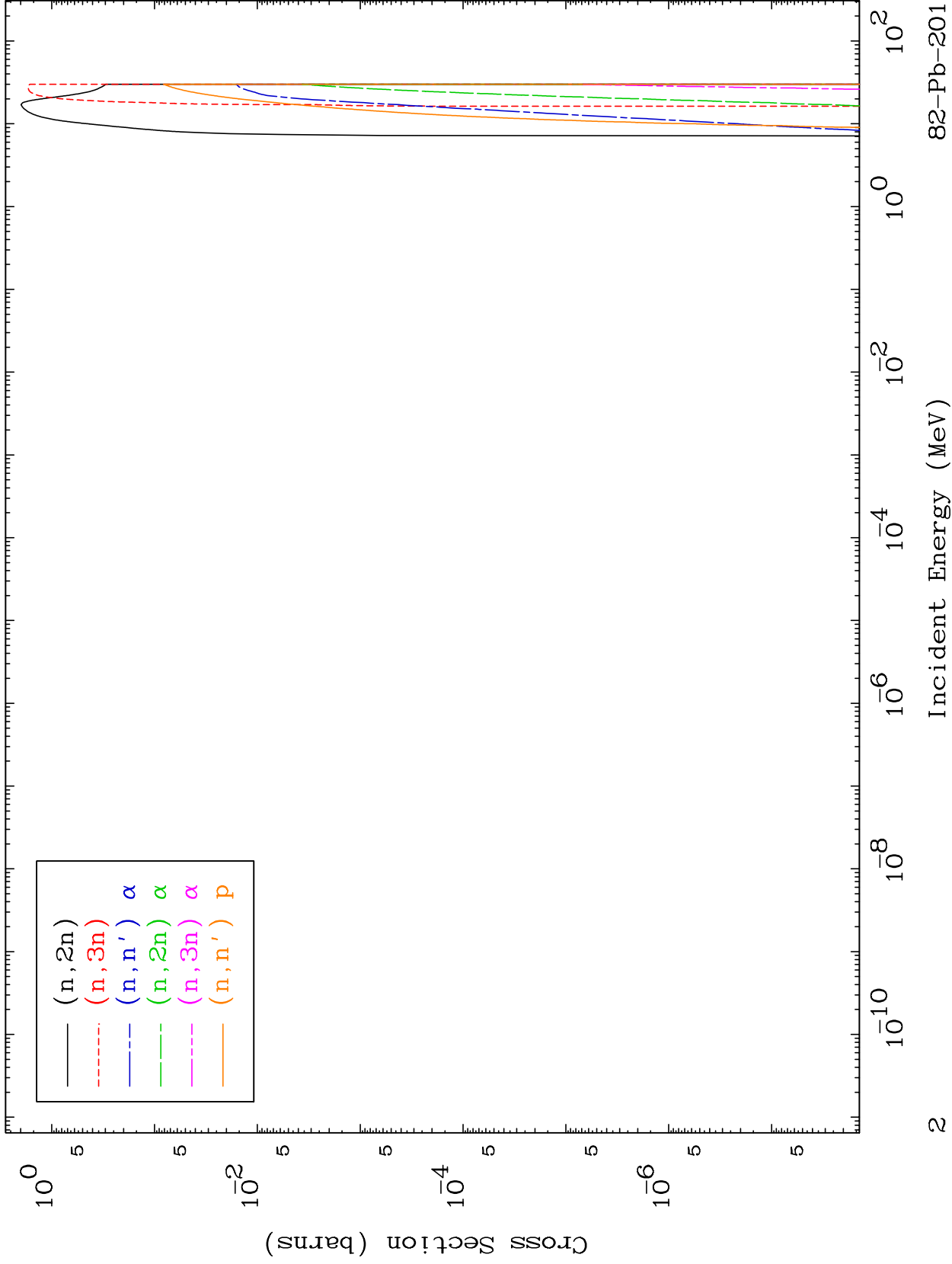
82-Pb-201



MAT 8216

Neutron Production
293 Kelvin Cross Sections

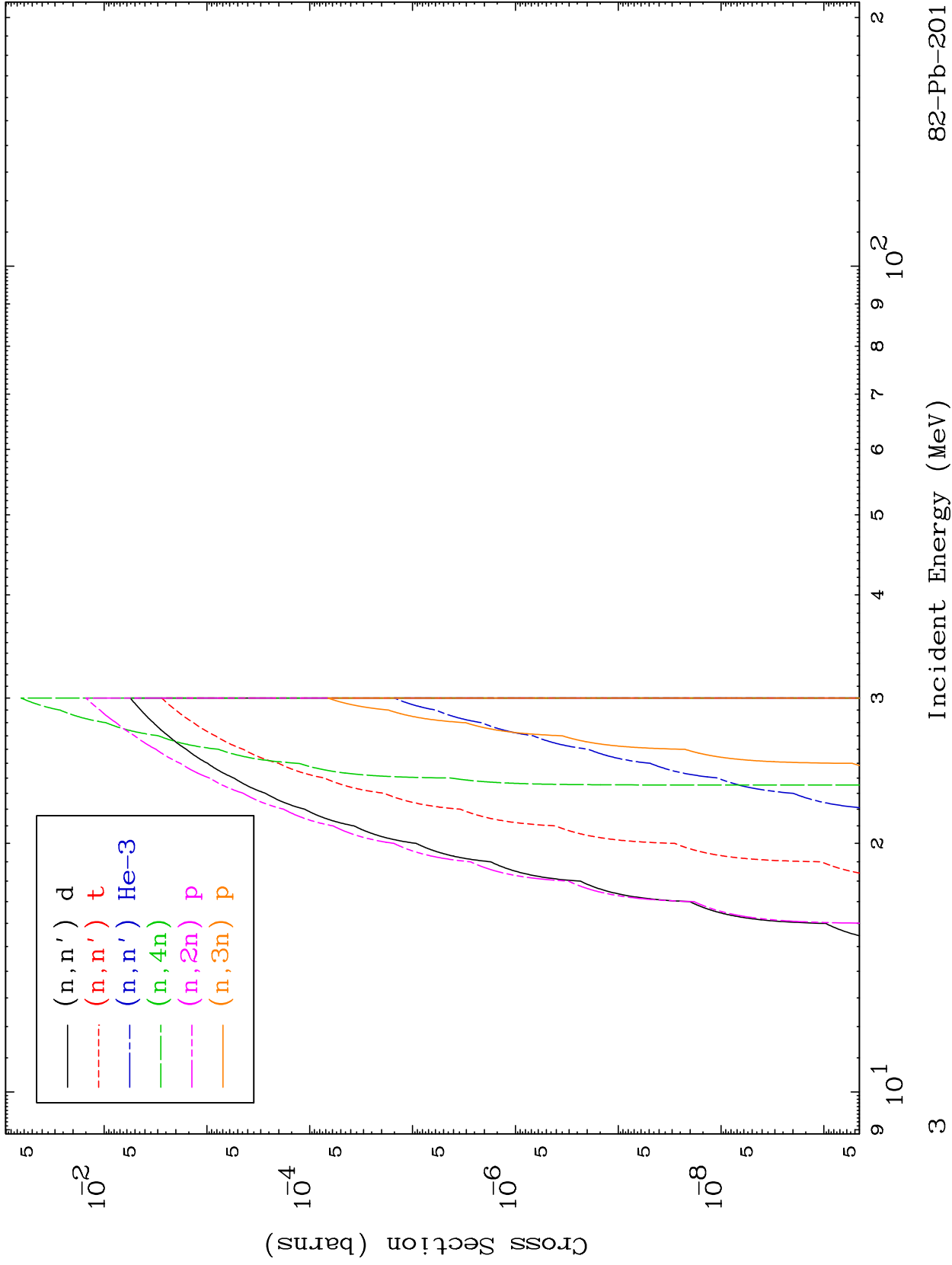
82-Pb-201



MAT 8216

Neutron Production
293 Kelvin Cross Sections

82-Pb-201



82-Pb-201

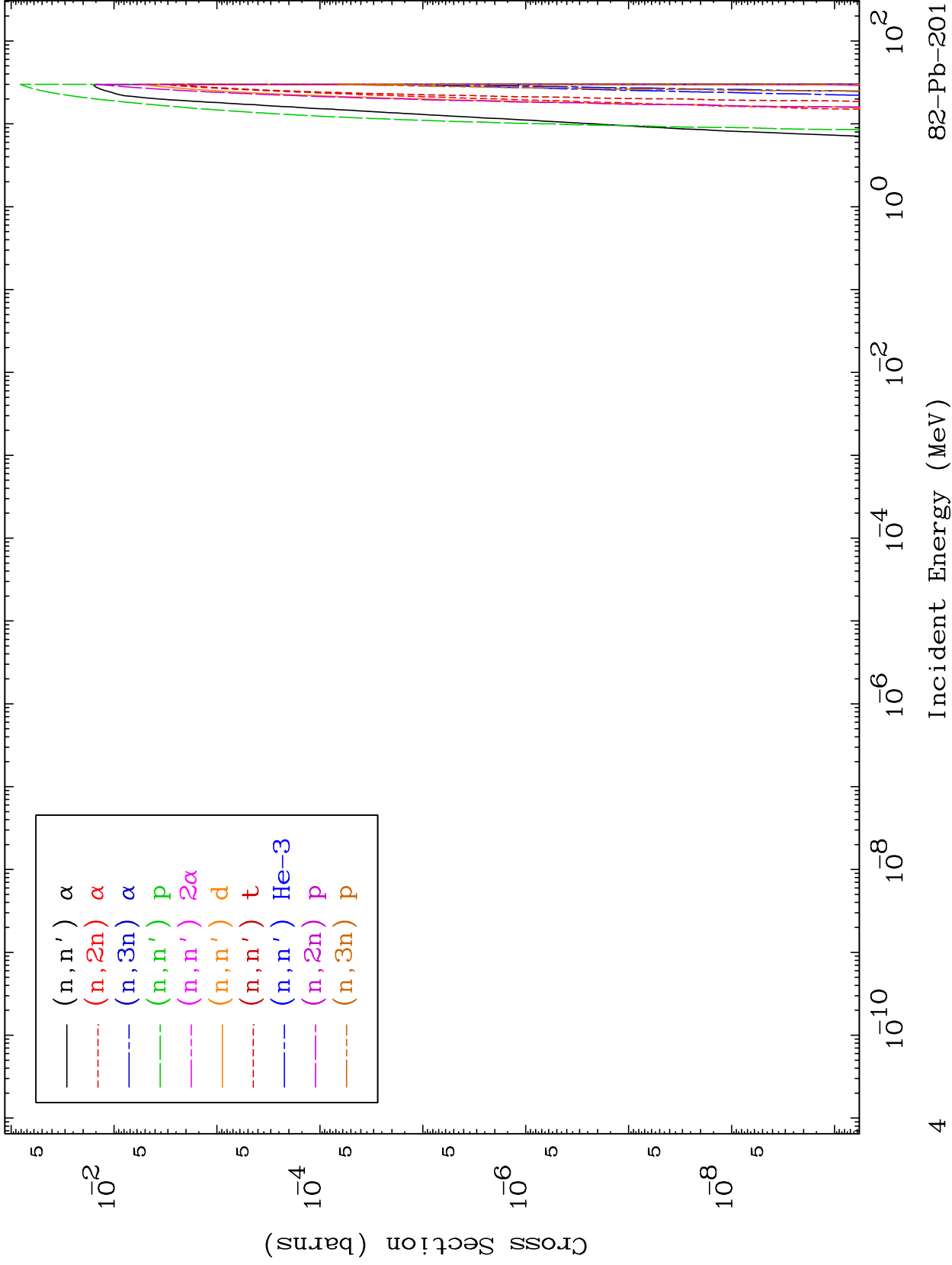
Incident Energy (MeV)

3

MAT 8216

Charged Particle
293 Kelvin Cross Sections

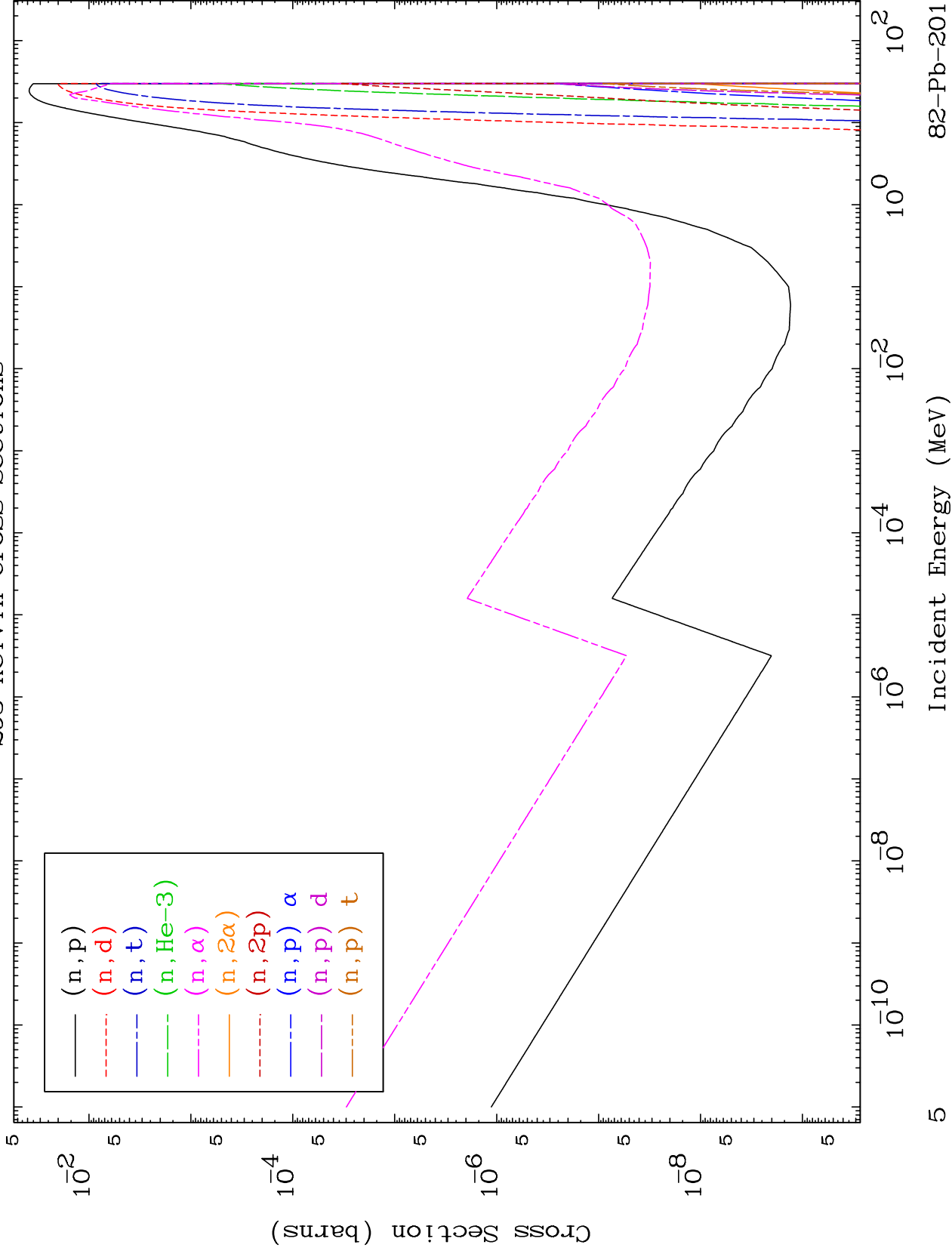
82-Pb-201

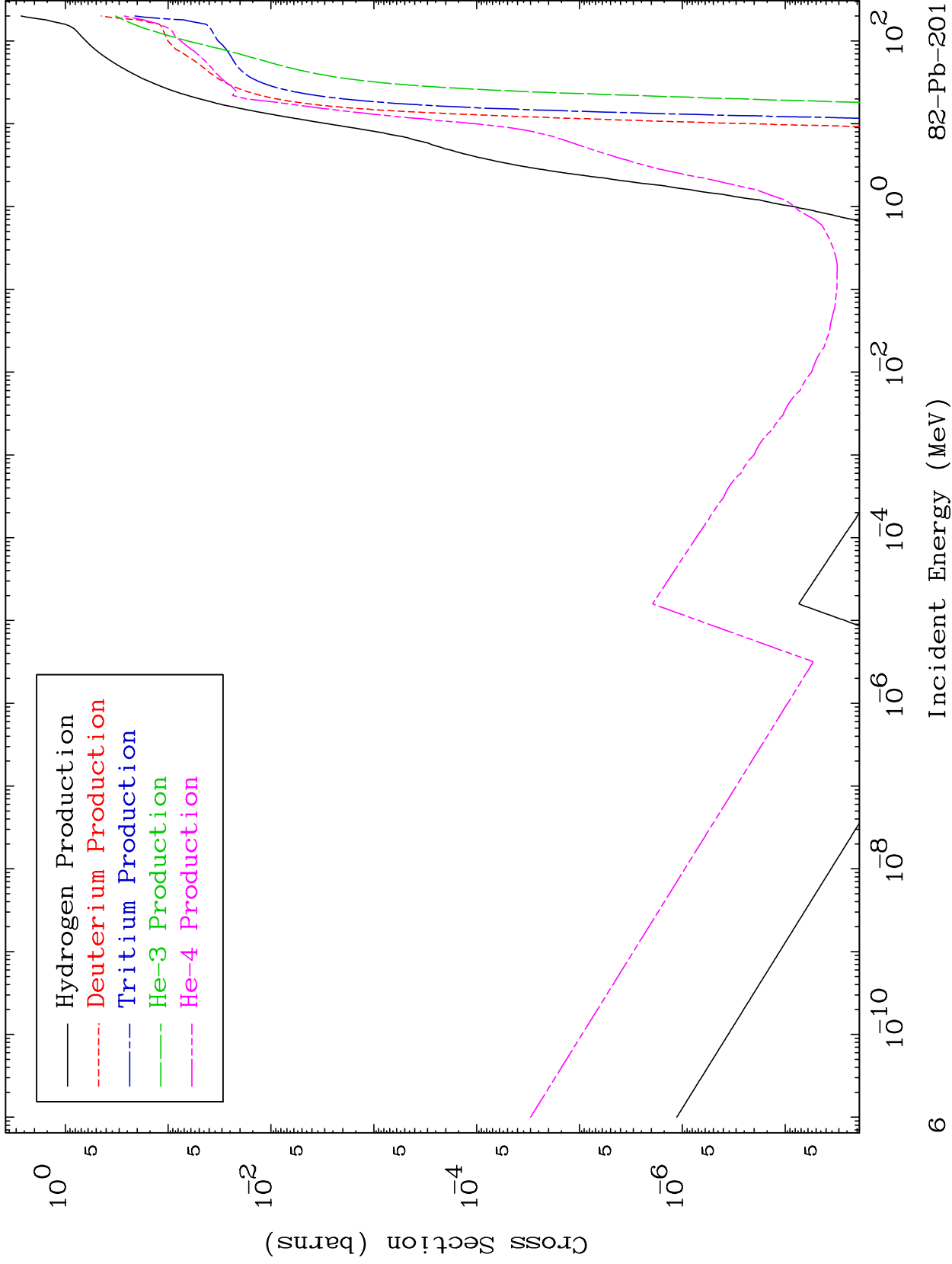


MAT 8216

Charged Particle
293 Kelvin Cross Sections

82-Pb-201

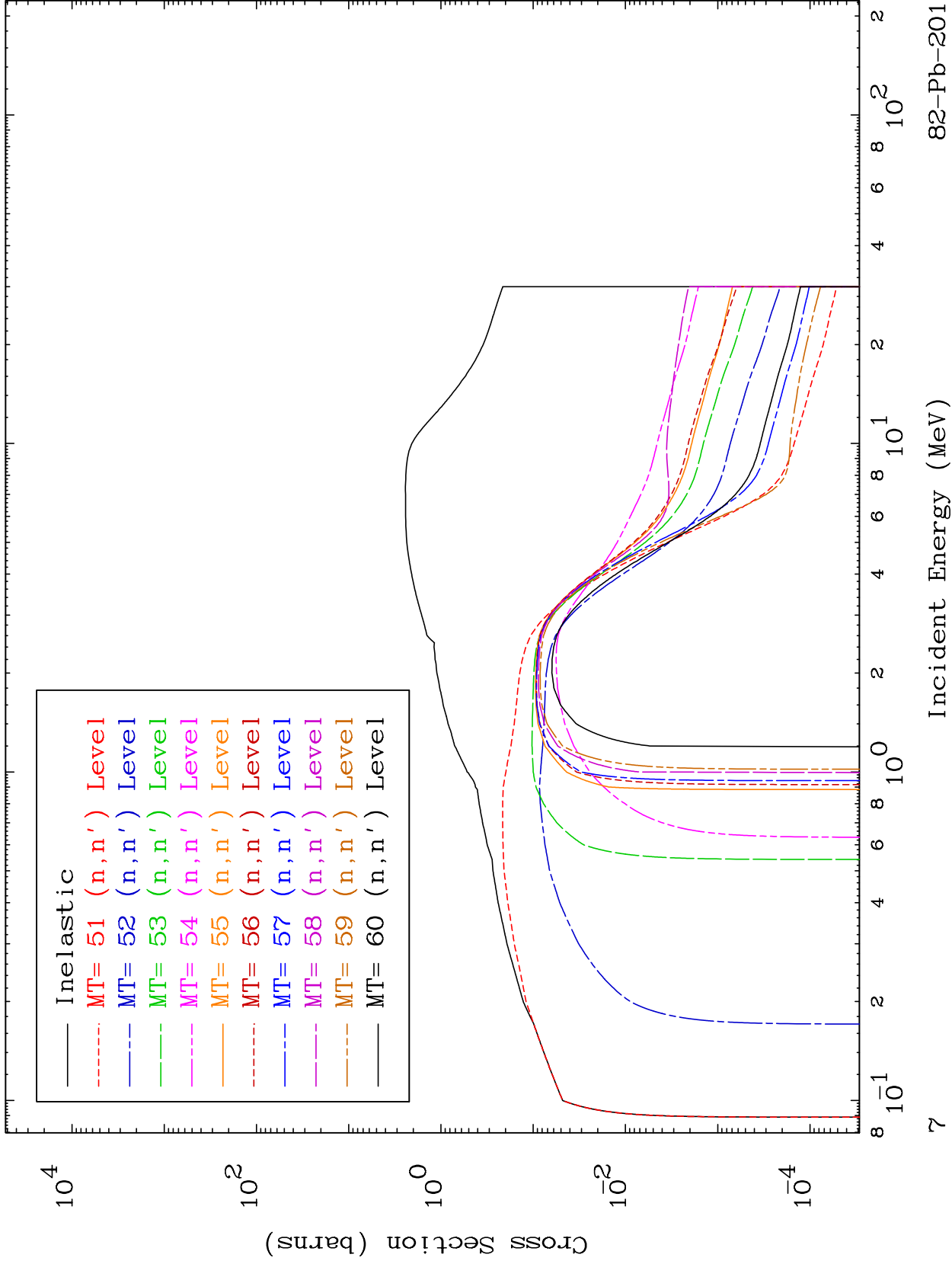




MAT 8216

(n,n') Level
293 Kelvin Cross Sections

82-Pb-201

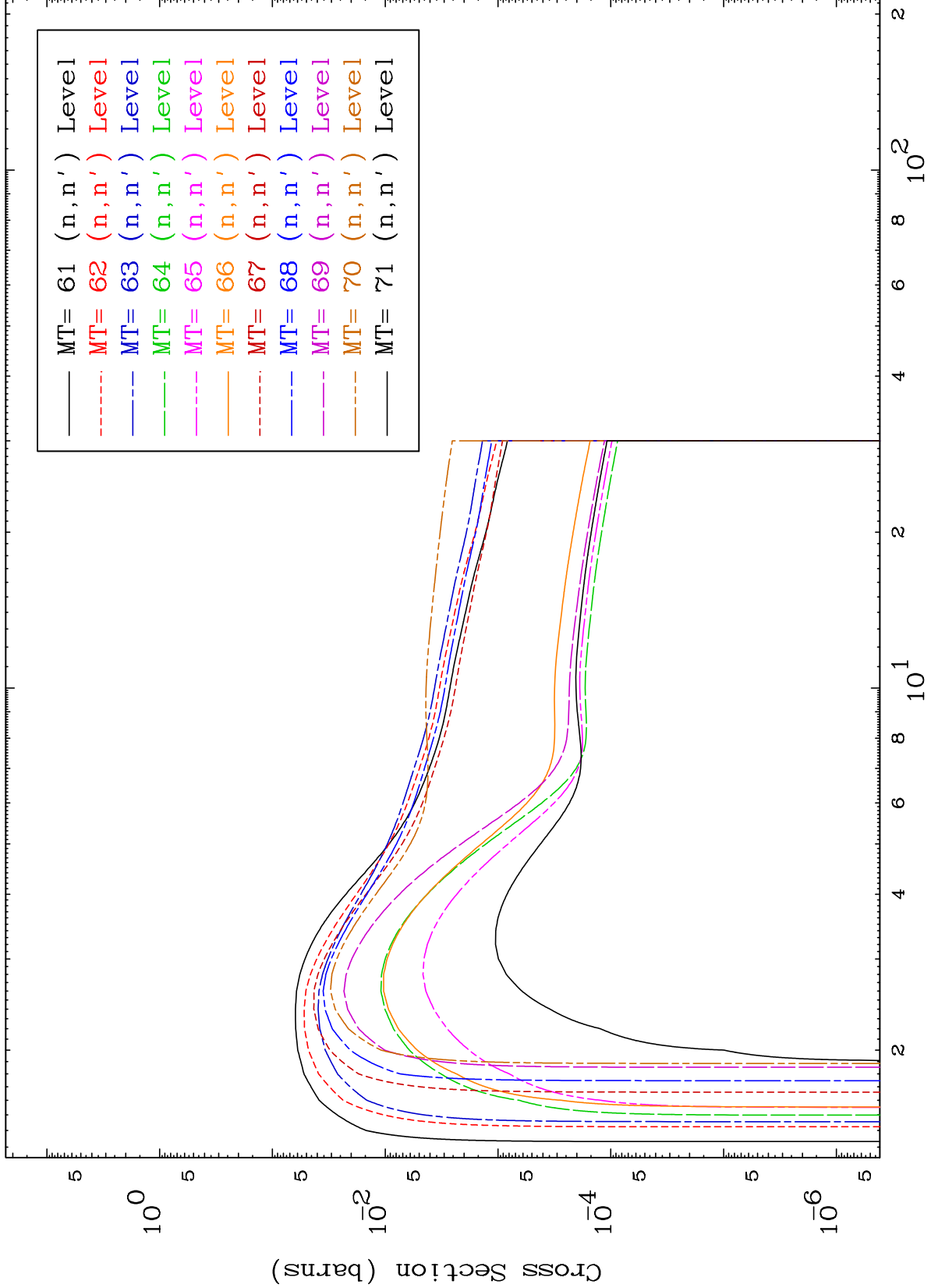


MAT 8216

(n,n') Level

82-Pb-201

293 Kelvin Cross Sections



8

Incident Energy (MeV)

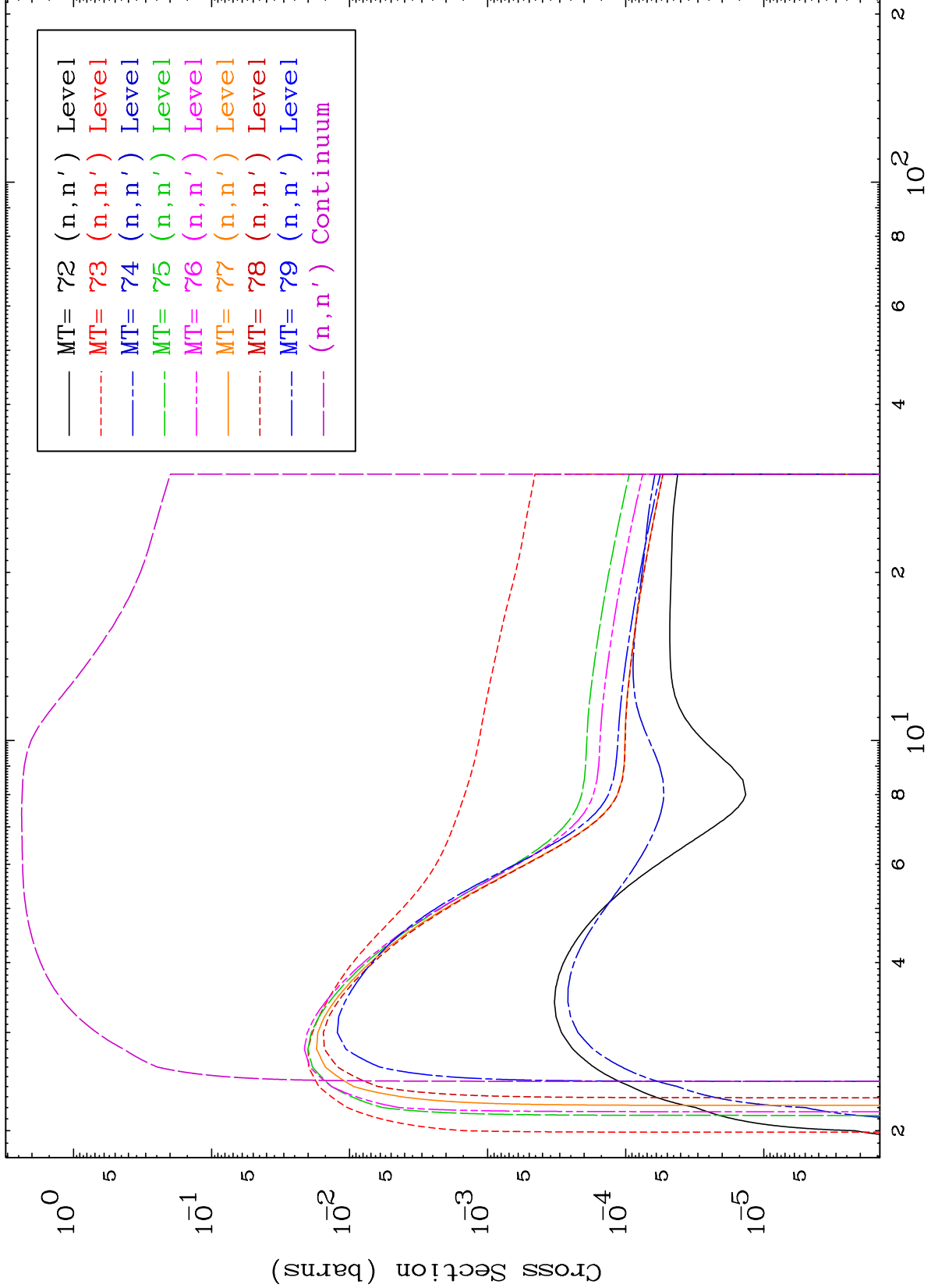
82-Pb-201

MAT 8216

(n,n') Level

82-Pb-201

293 Kelvin Cross Sections



9

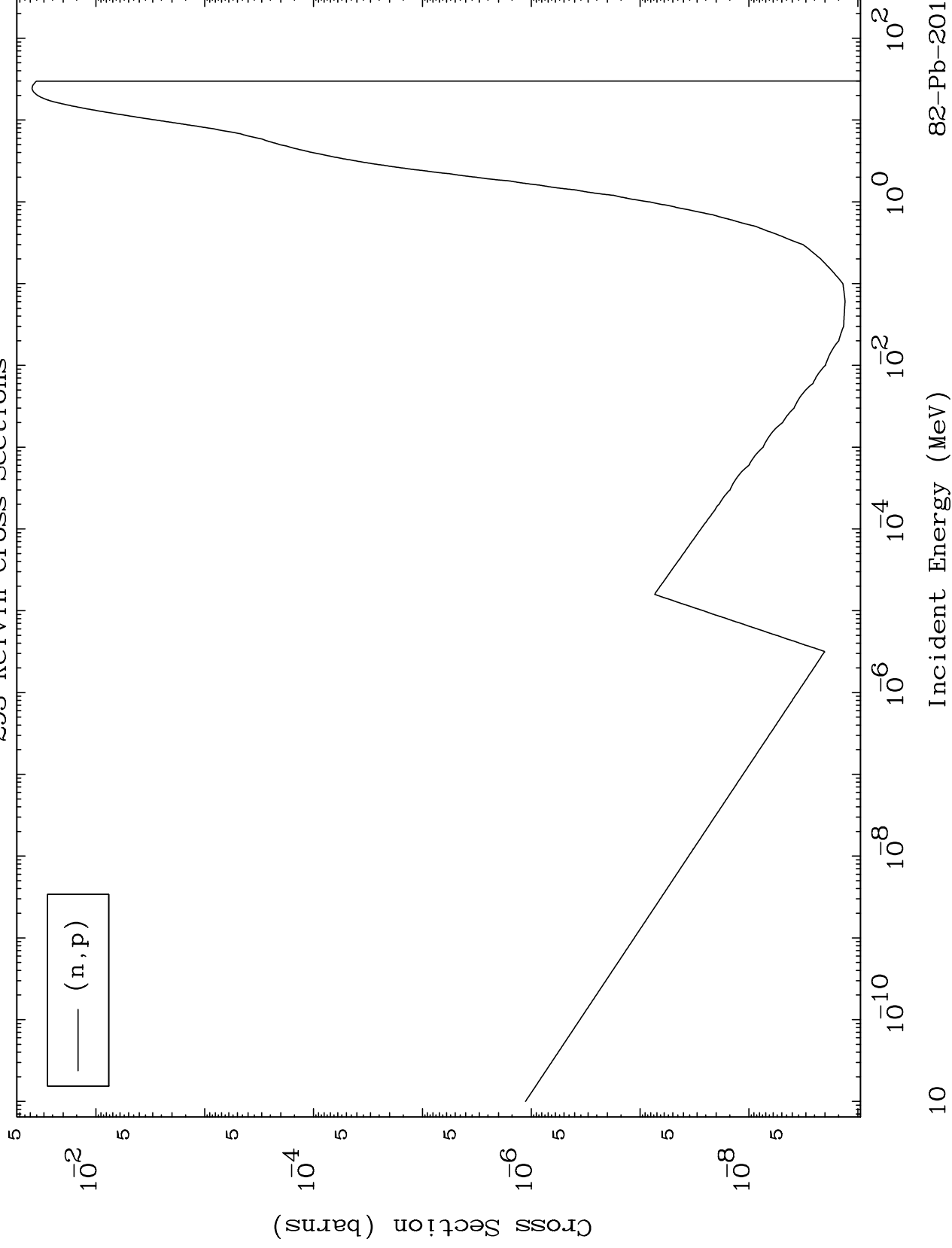
Incident Energy (MeV)

82-Pb-201

MAT 8216

(n,p) Levels
293 Kelvin Cross Sections

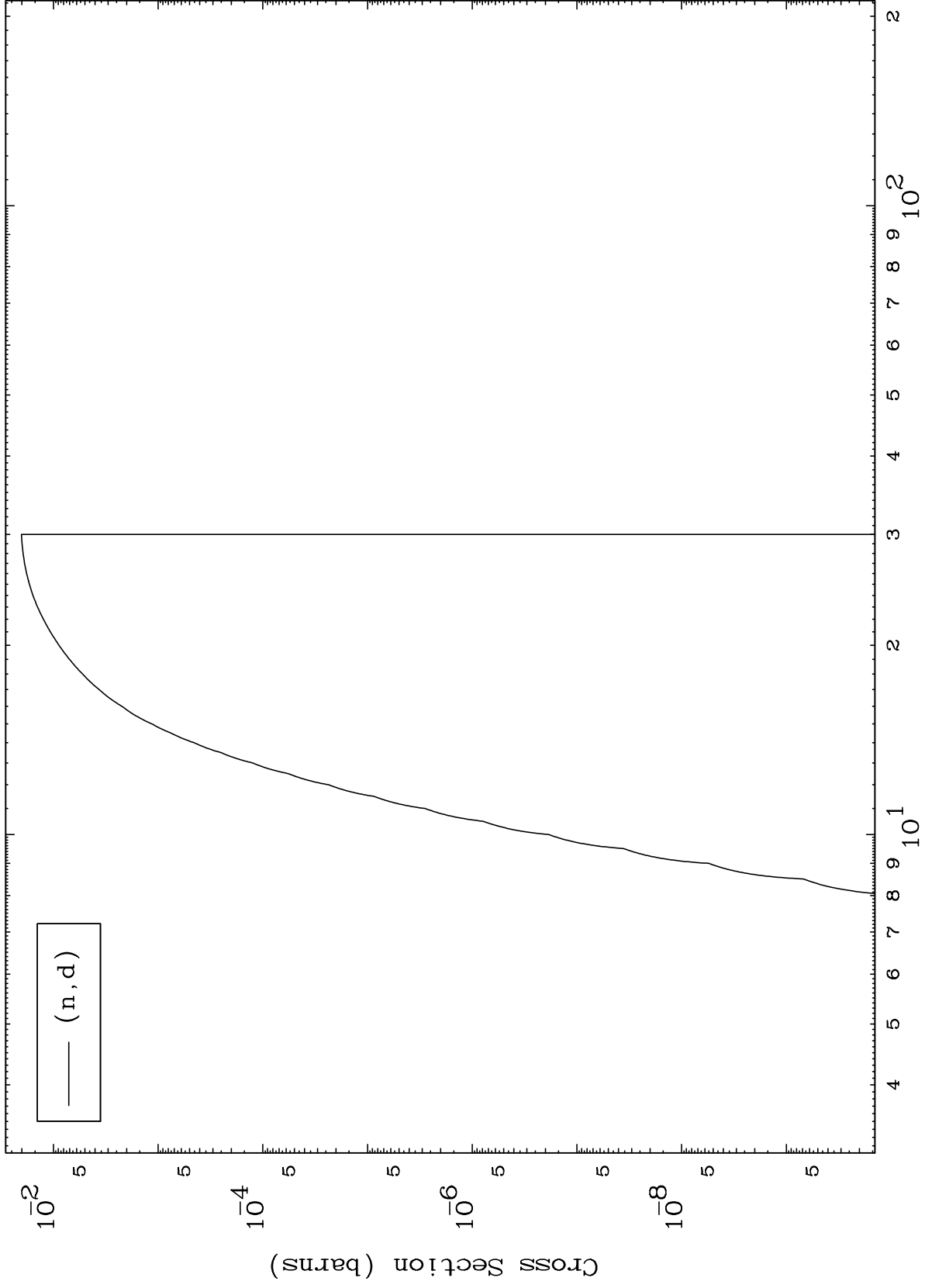
82-Pb-201



MAT 8216

(n,d) Levels
293 Kelvin Cross Sections

82-Pb-201



11

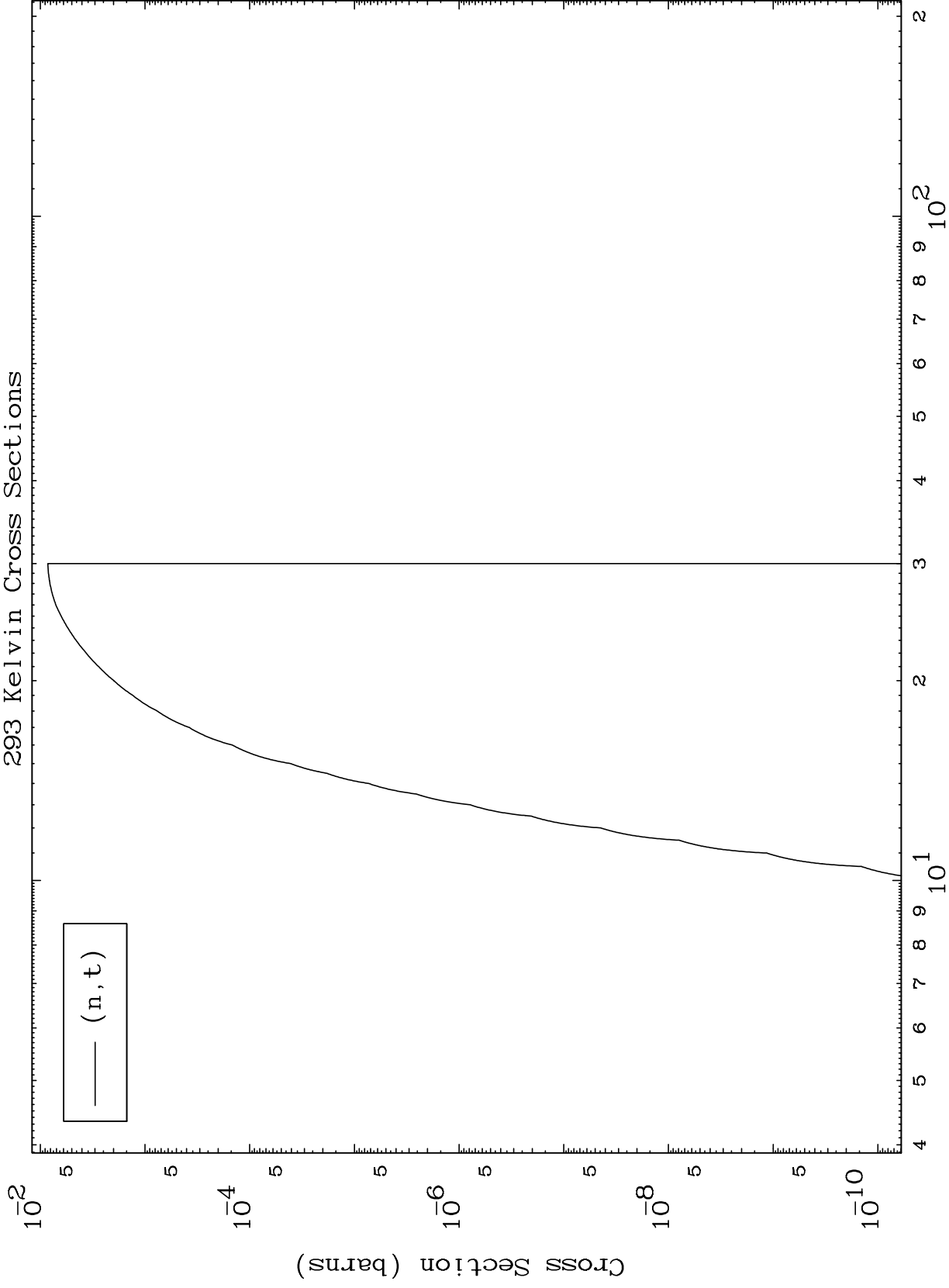
Incident Energy (MeV)

82-Pb-201

MAT 8216

(n,t) Levels
293 Kelvin Cross Sections

82-Pb-201



12

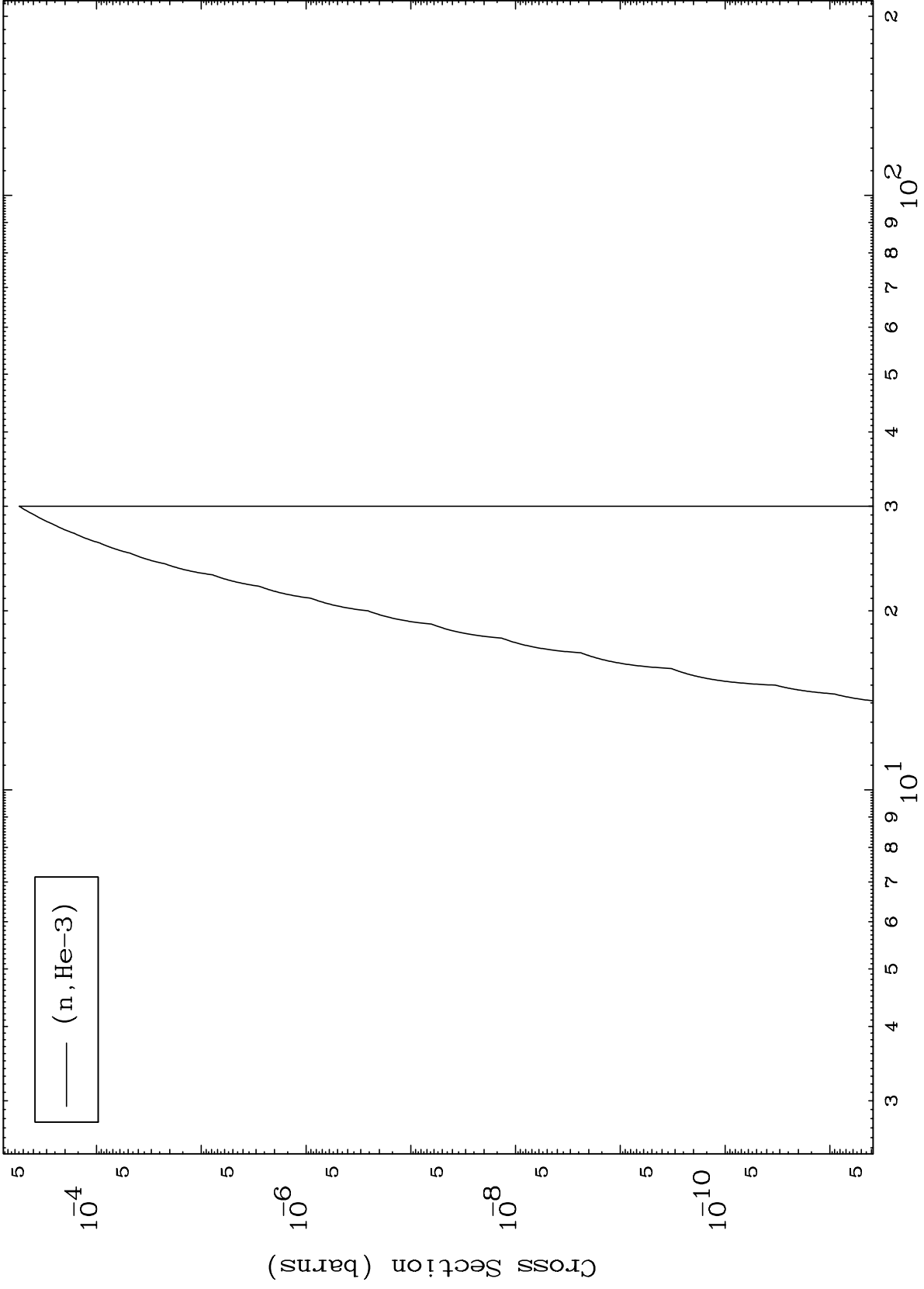
Incident Energy (MeV)

82-Pb-201

MAT 8216

(n,He3) Levels
293 Kelvin Cross Sections

82-Pb-201



13

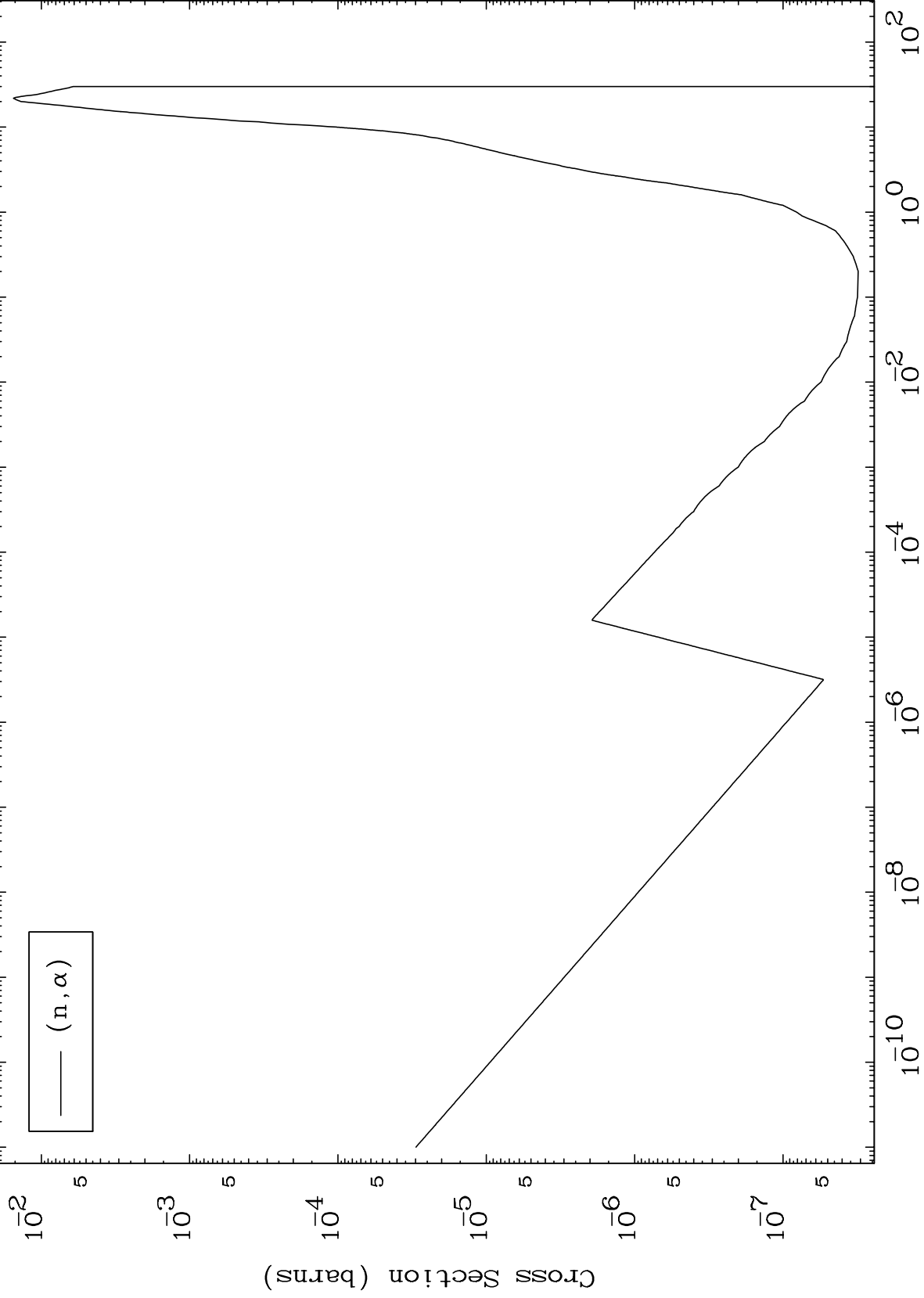
Incident Energy (MeV)

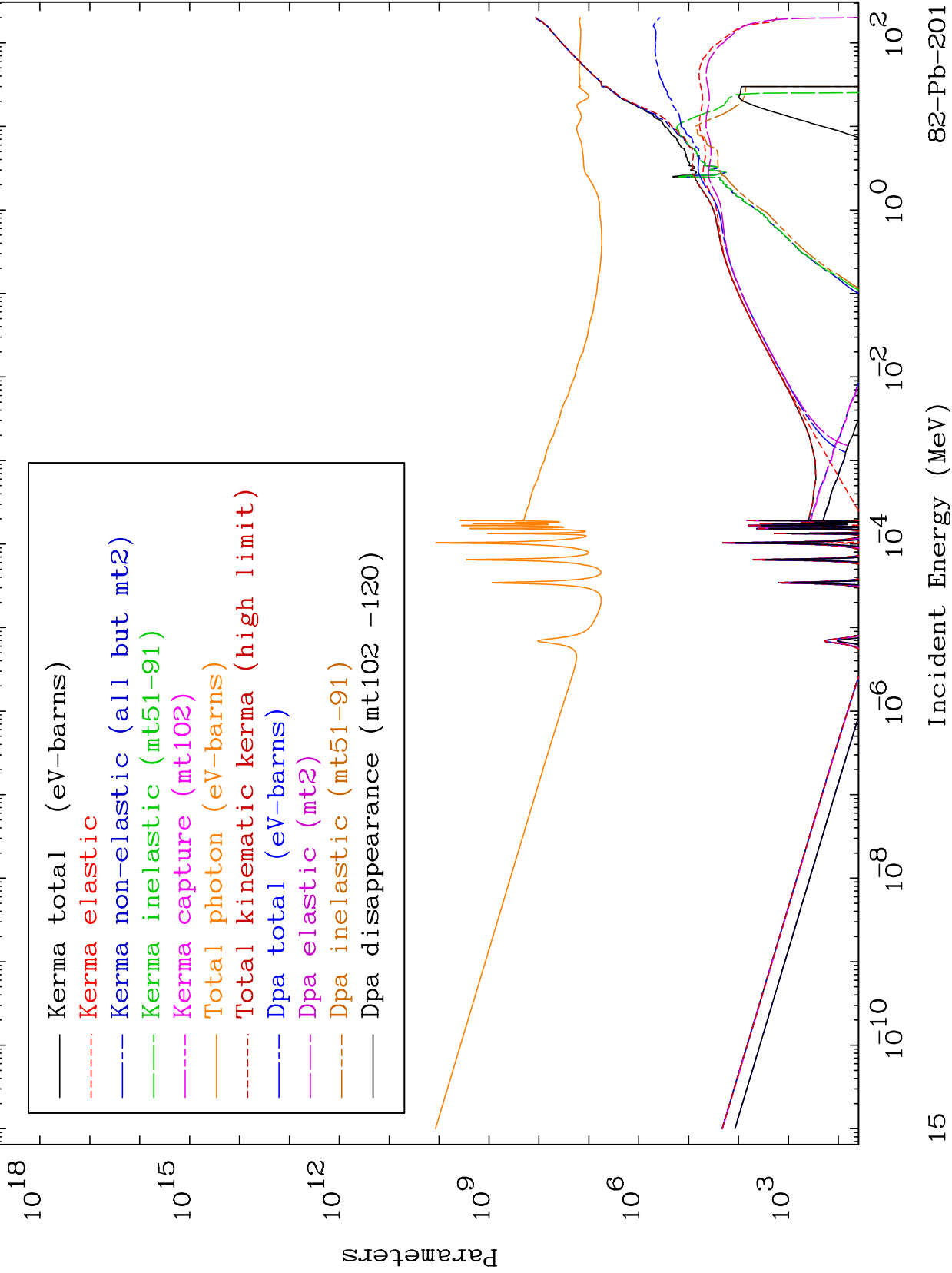
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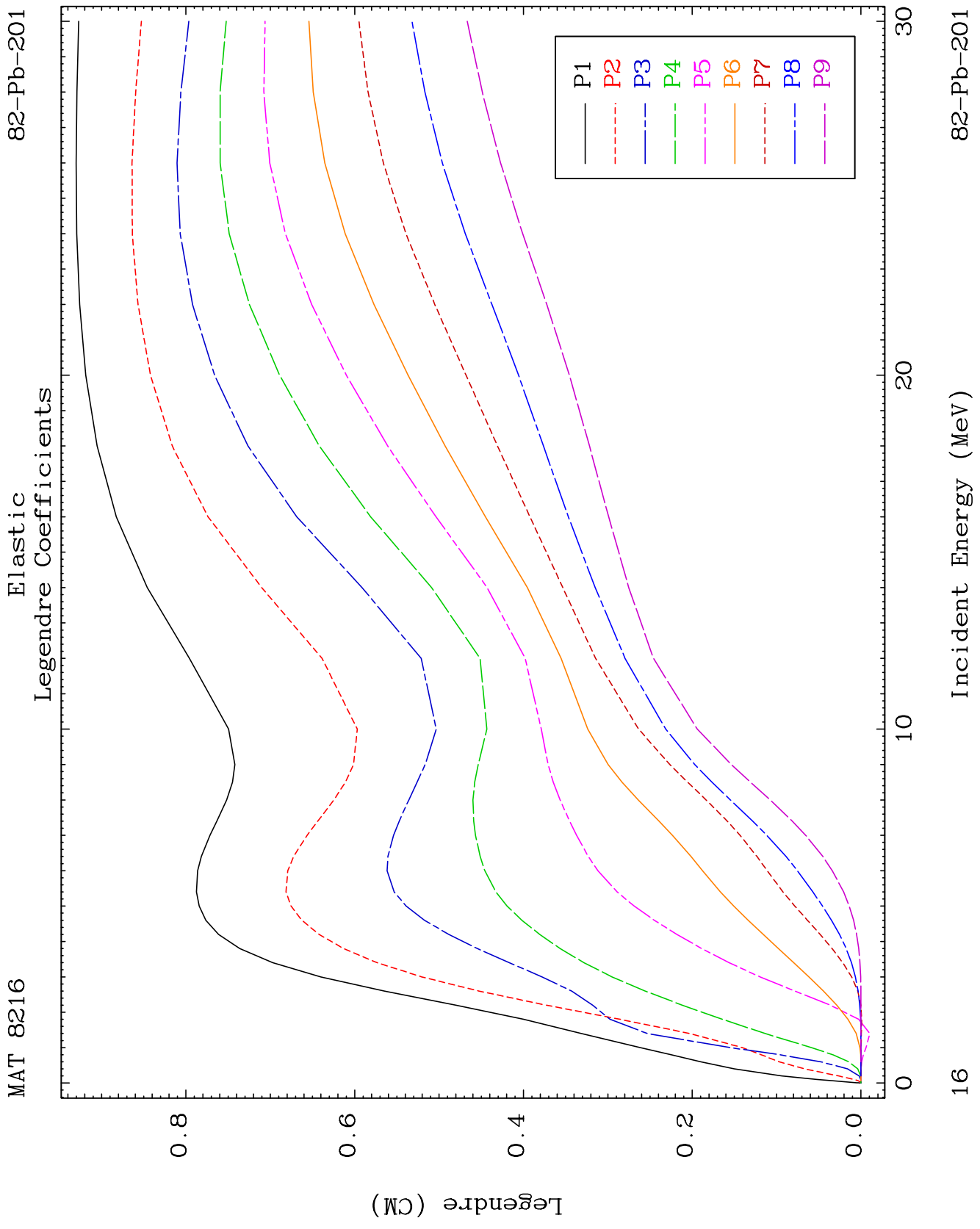
MAT 8216

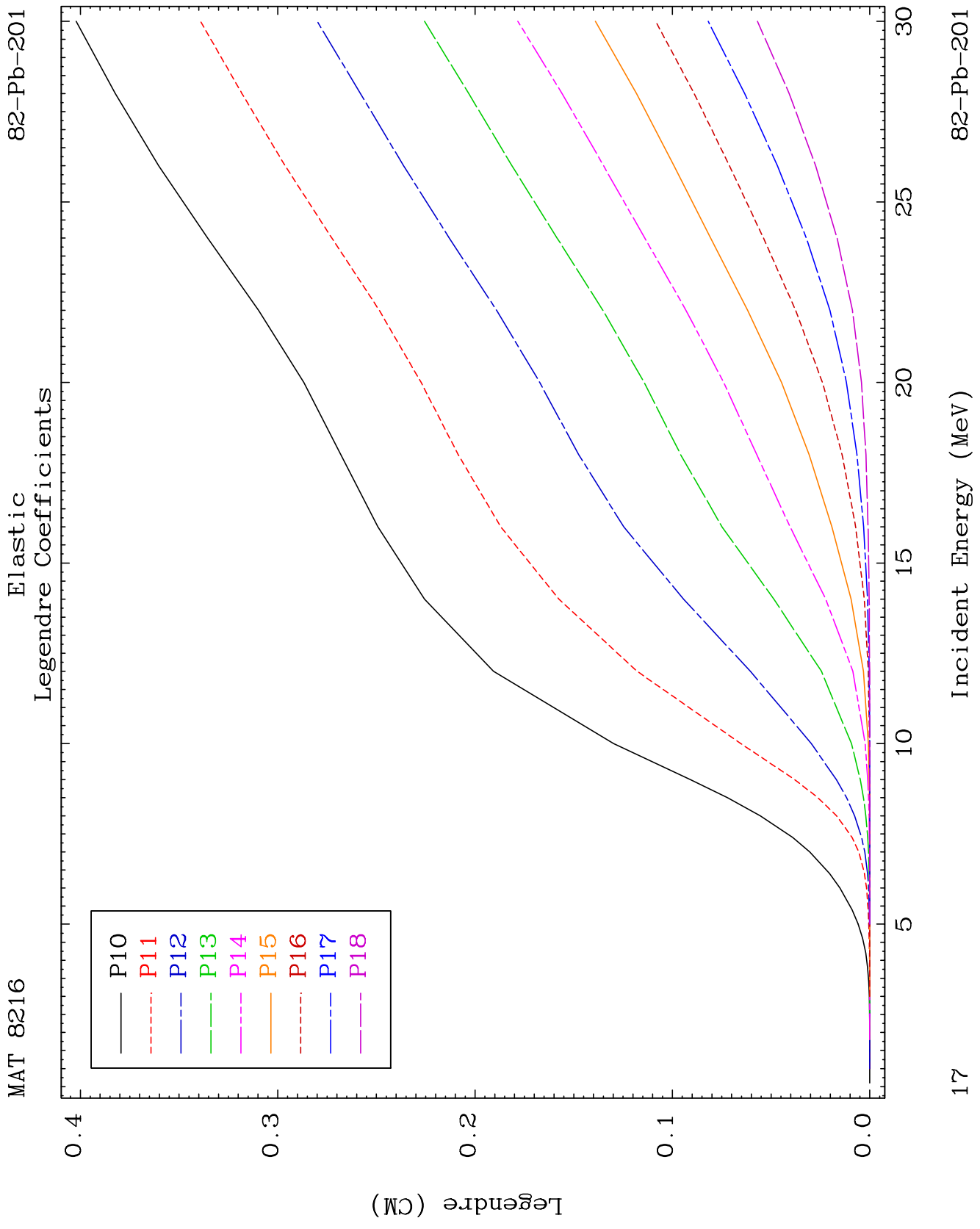
(n, α) Levels
293 Kelvin Cross Sections

82-Pb-201





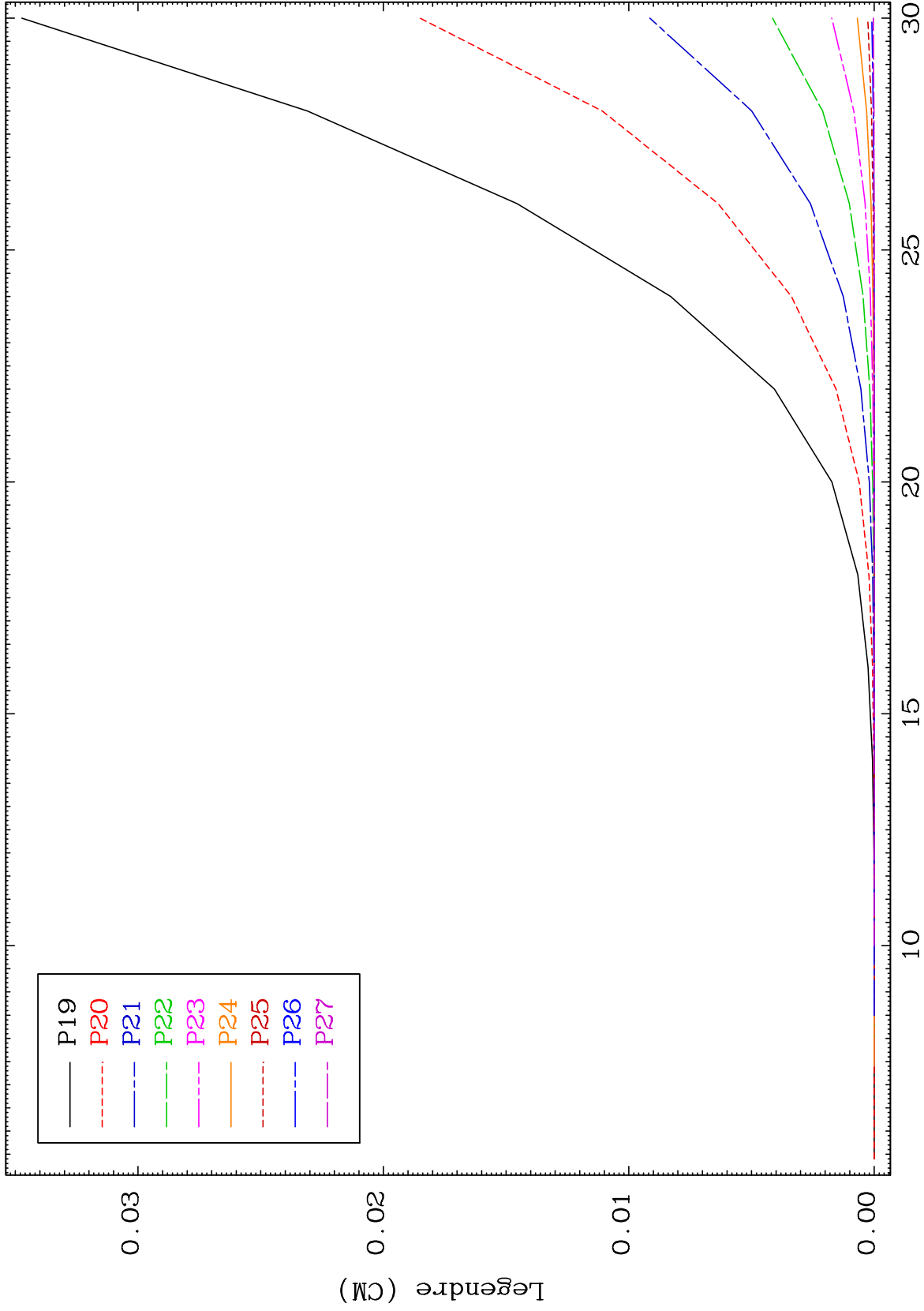




MAT 8216

Elastic
Legendre Coefficients

82-Pb-201



18

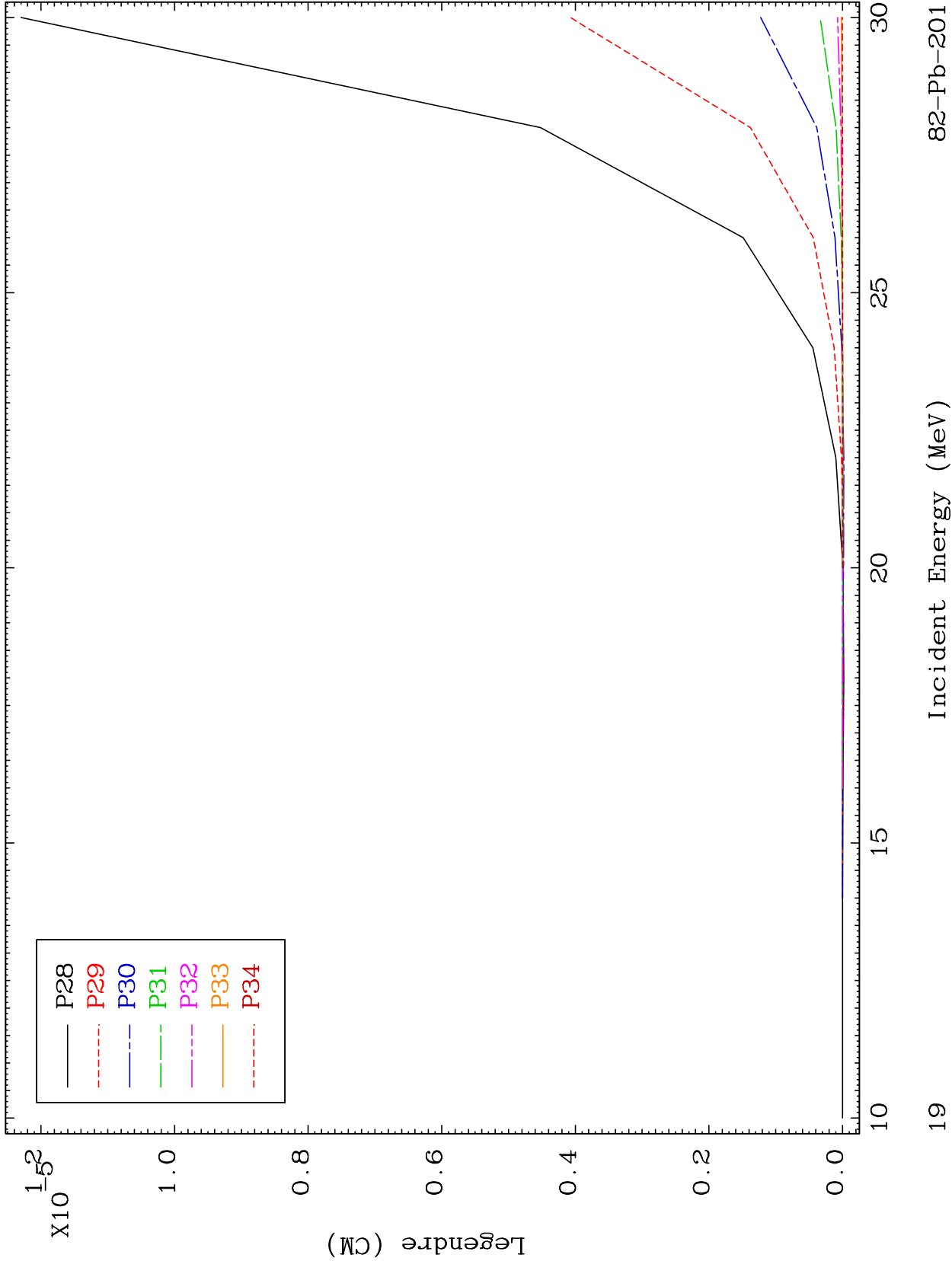
Incident Energy (MeV)

82-Pb-201

MAT 8216

Elastic
Legendre Coefficients

82-Pb-201



19

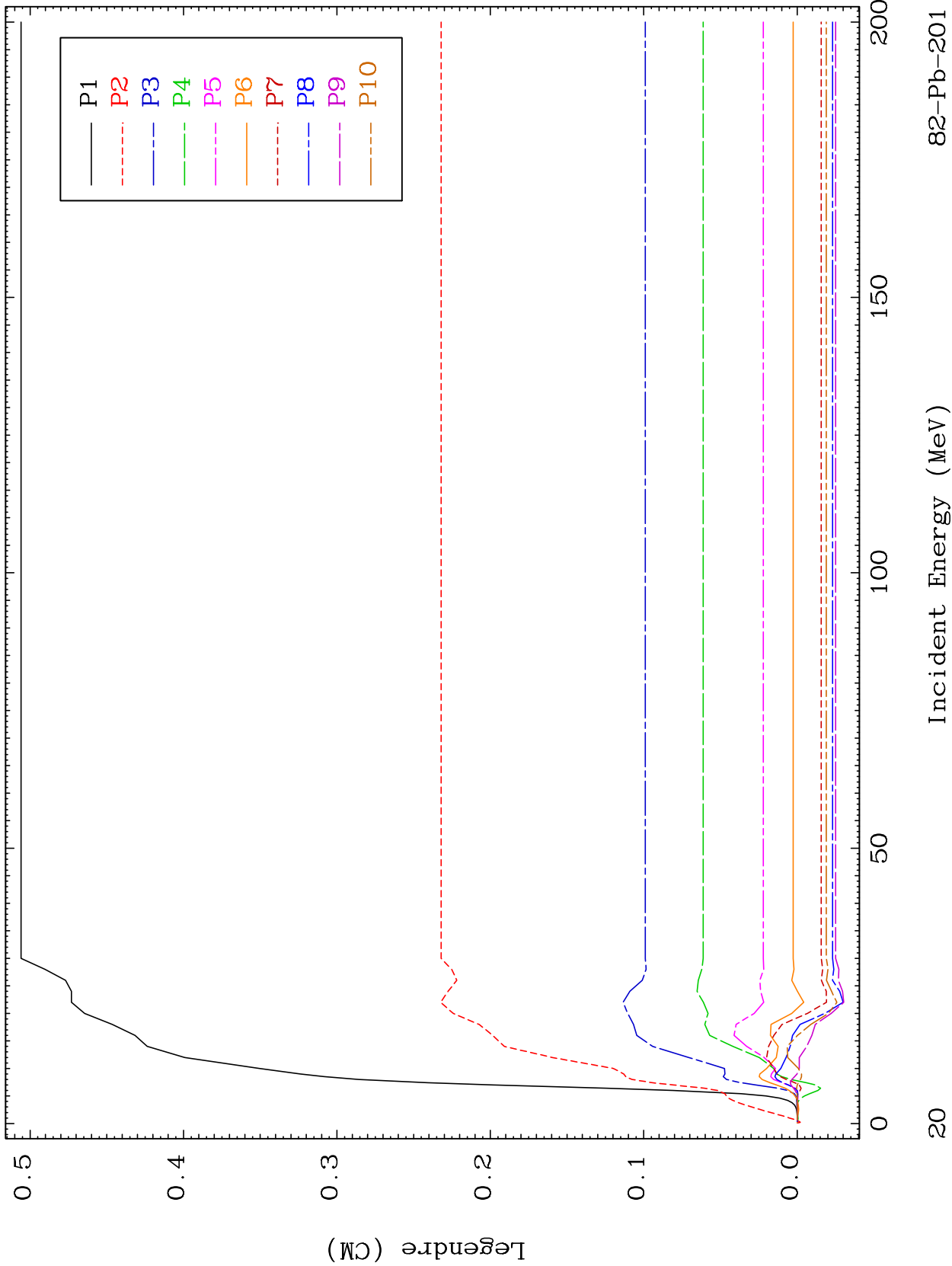
Incident Energy (MeV)

82-Pb-201

MAT 8216

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

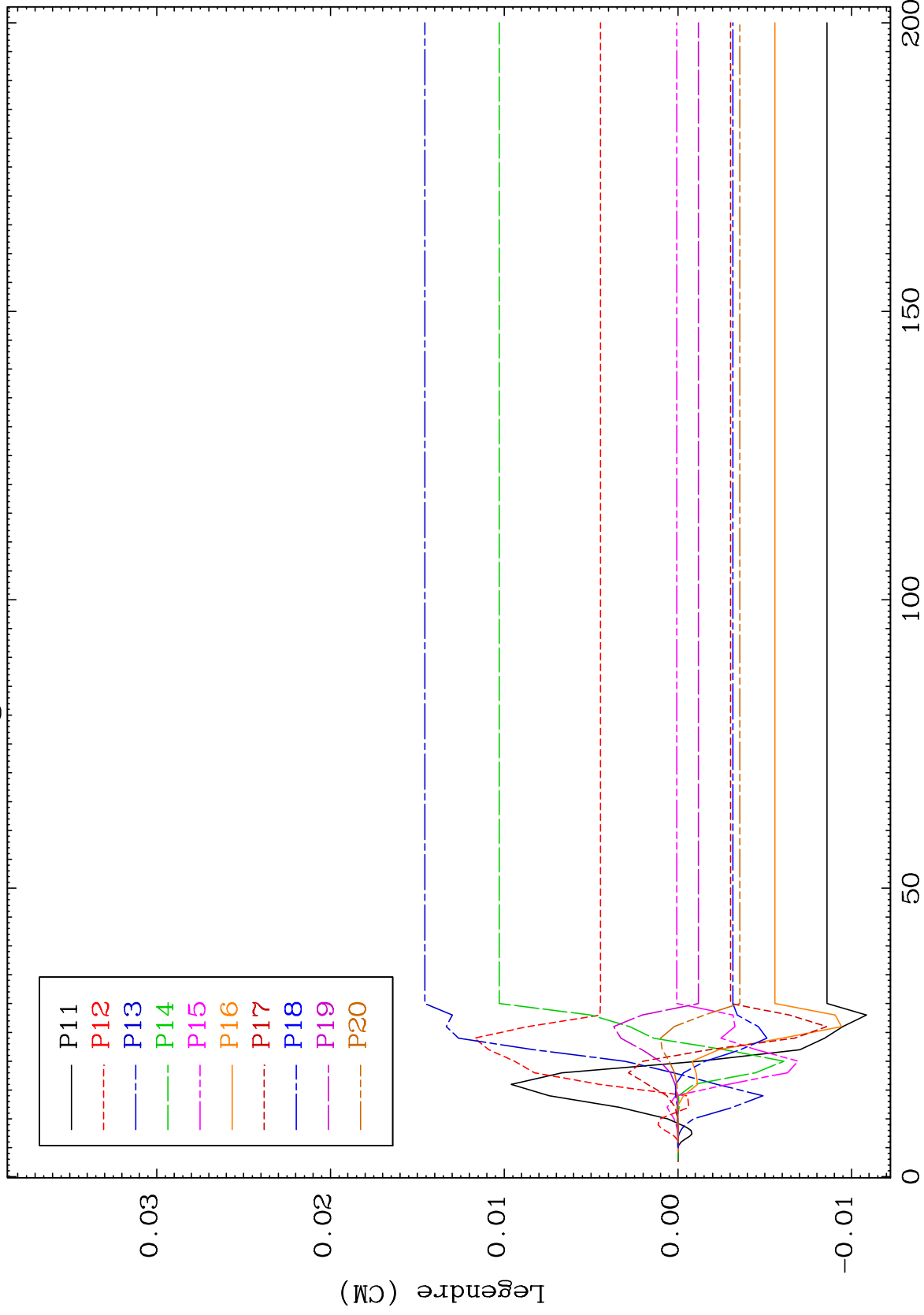
82-Pb-201



MAT 8216

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

82-Pb-201



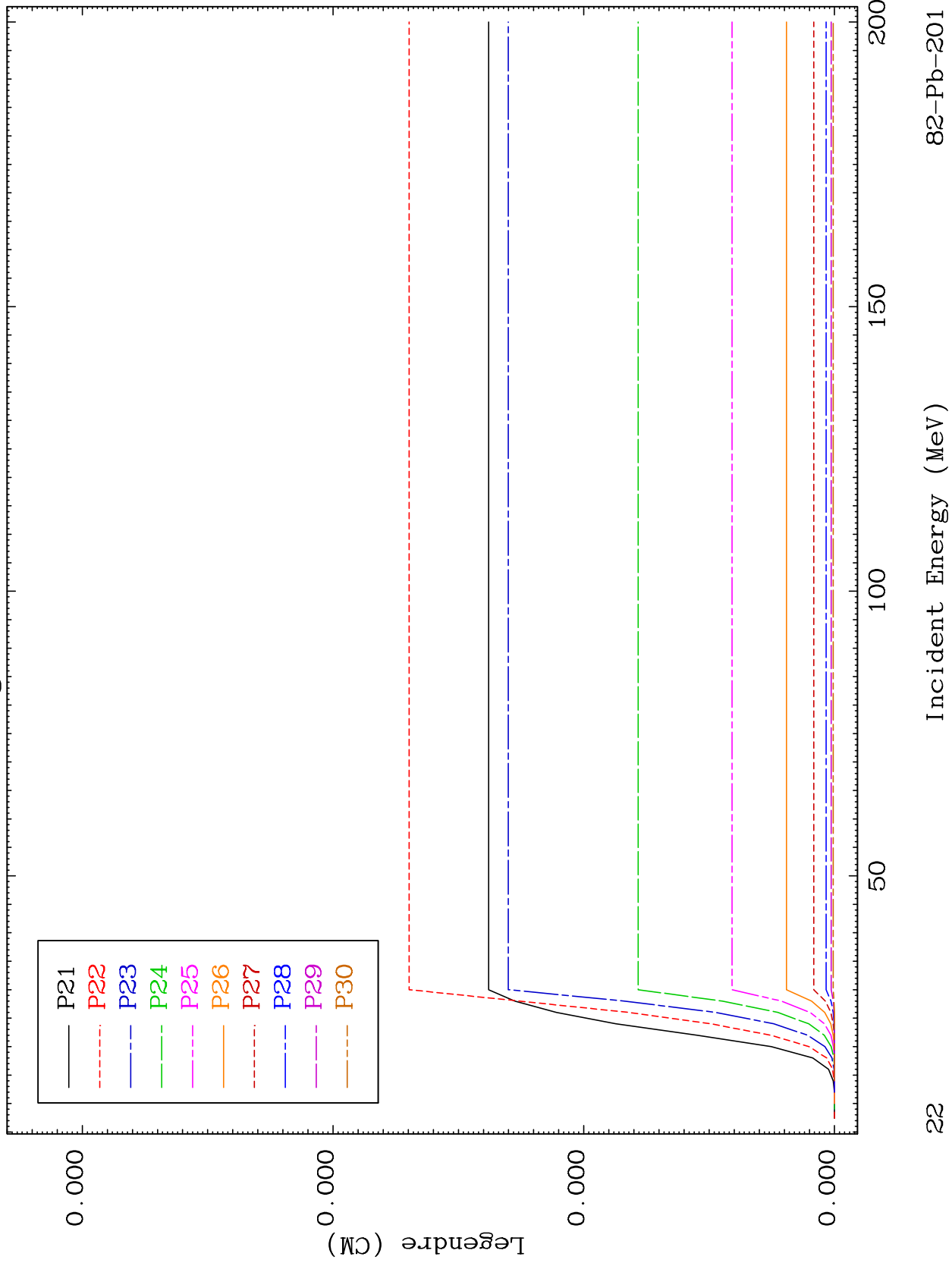
21

82-Pb-201

MAT 8216

82-Pb-201

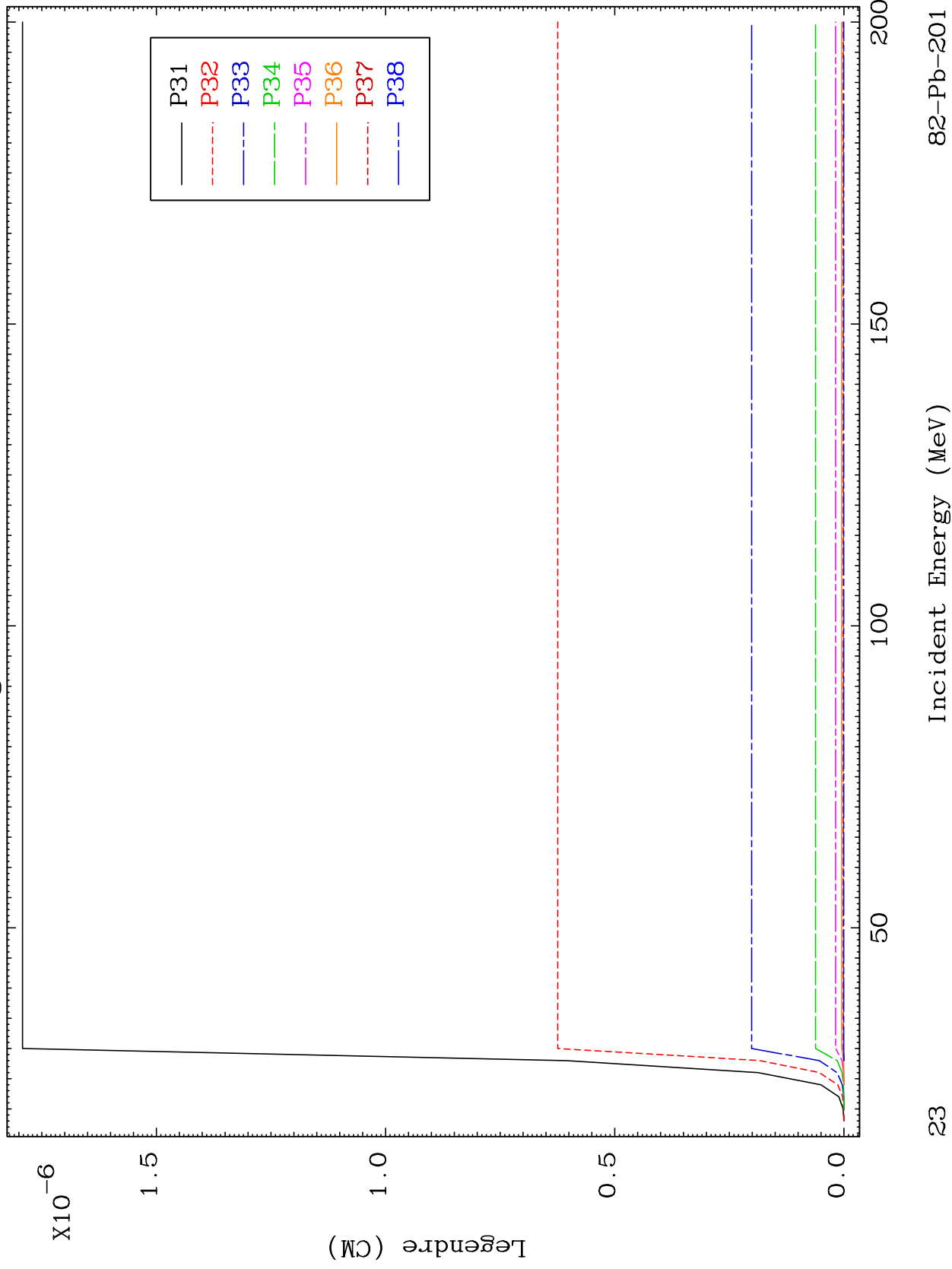
MT= 51 (n,n') Level
Legendre Coefficients



MAT 8216

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

82-Pb-201

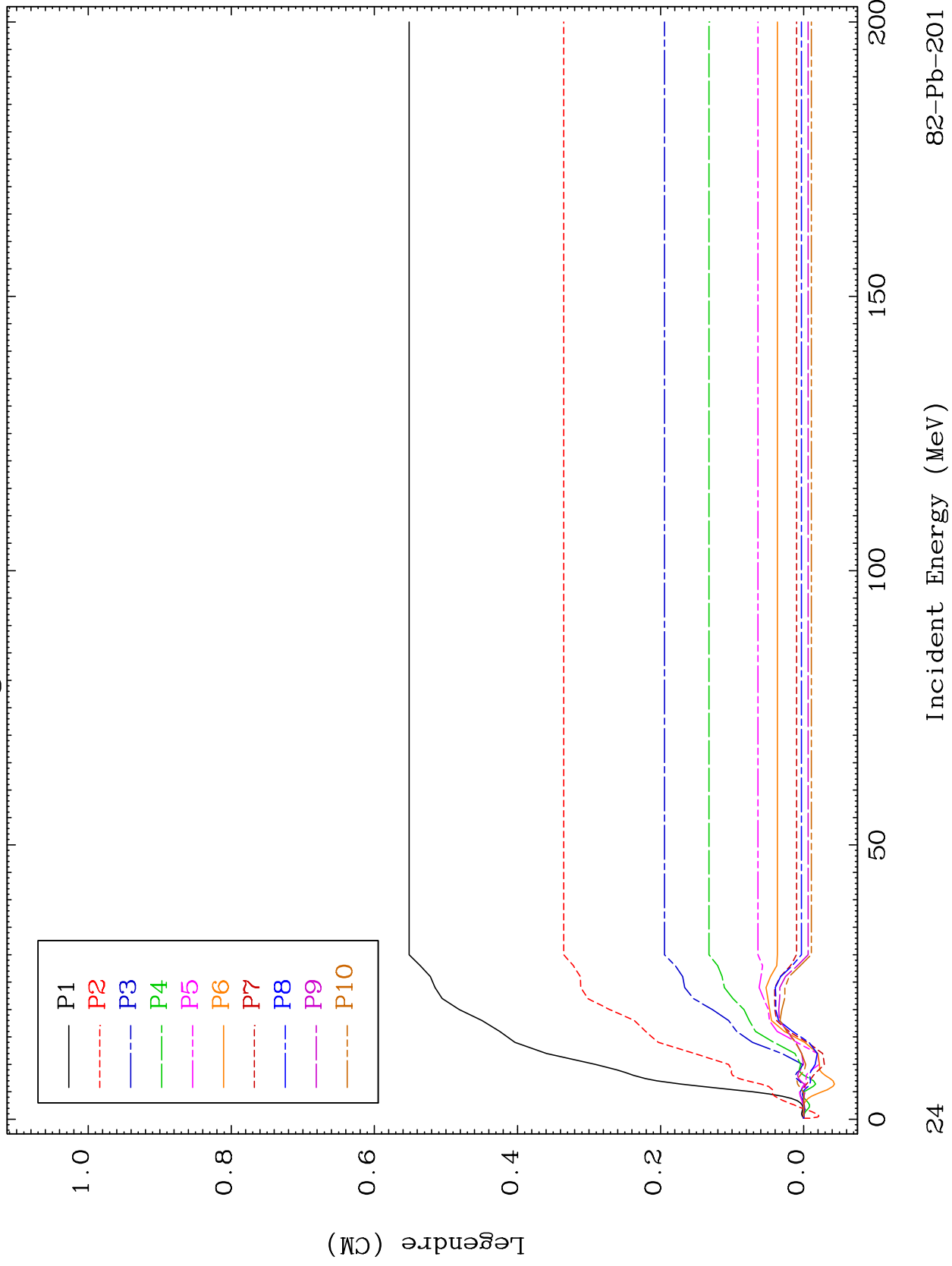


23

MAT 8216

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

82-Pb-201

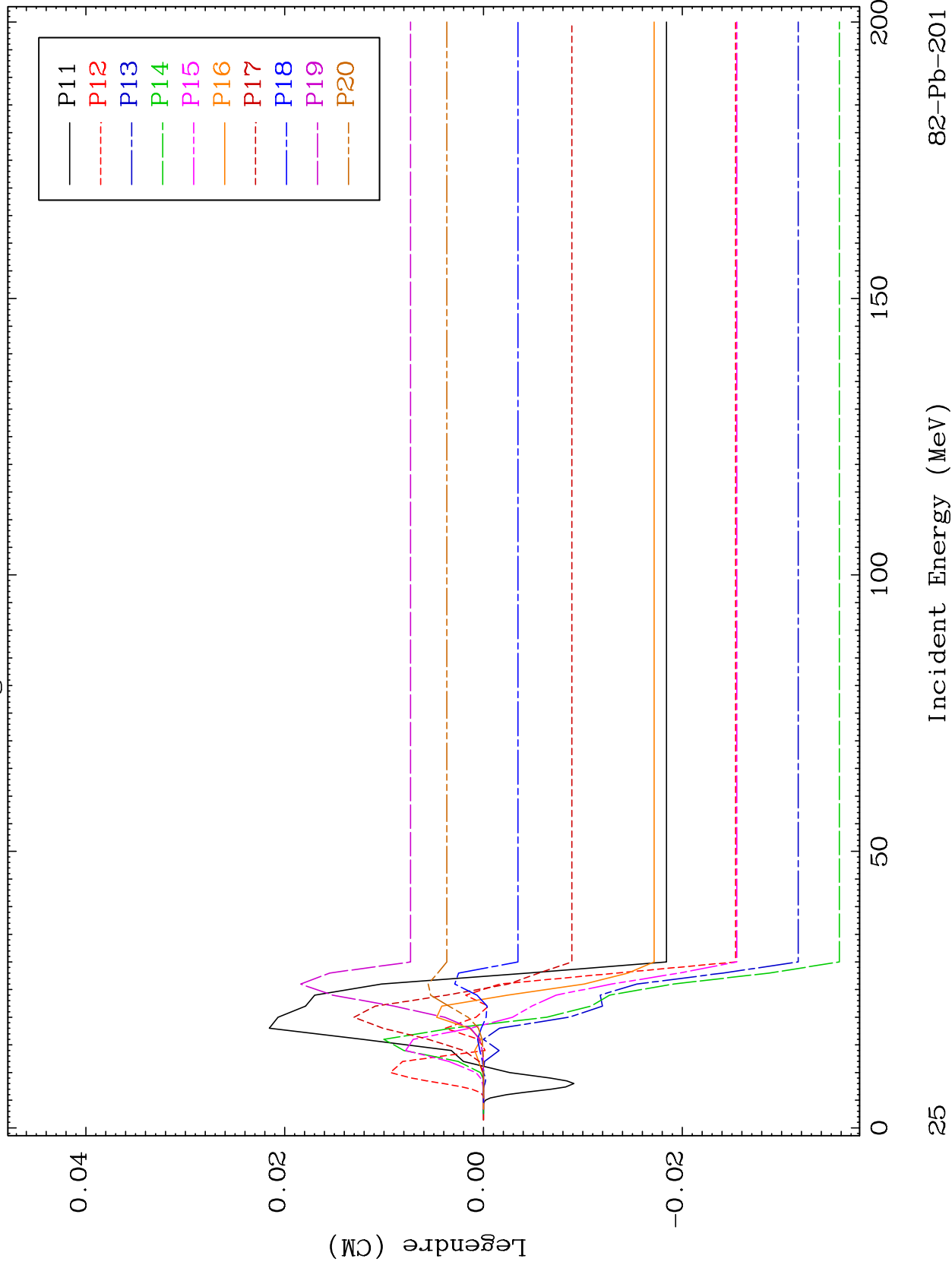


24

MAT 8216

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

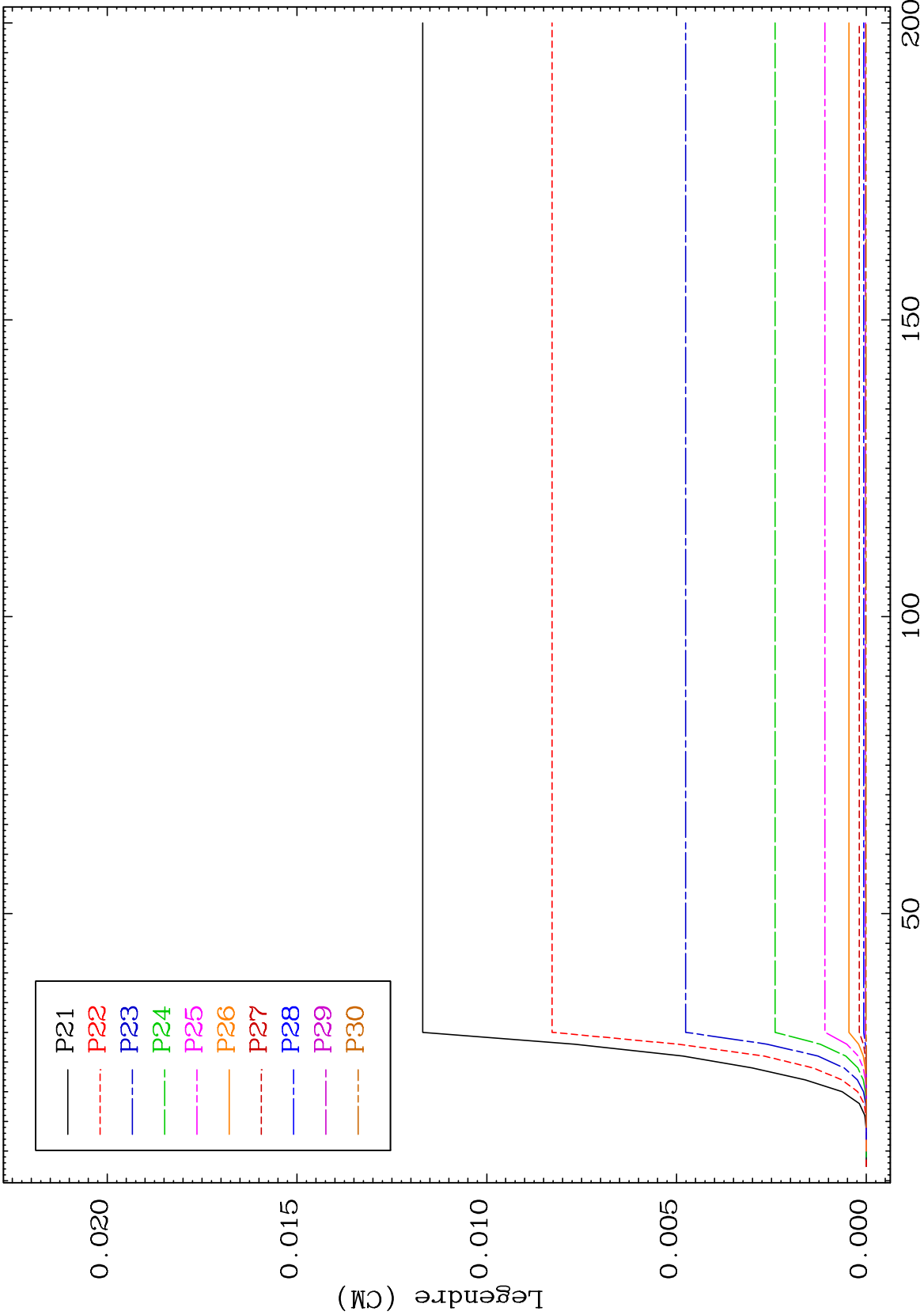
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25

Incident Energy (MeV)

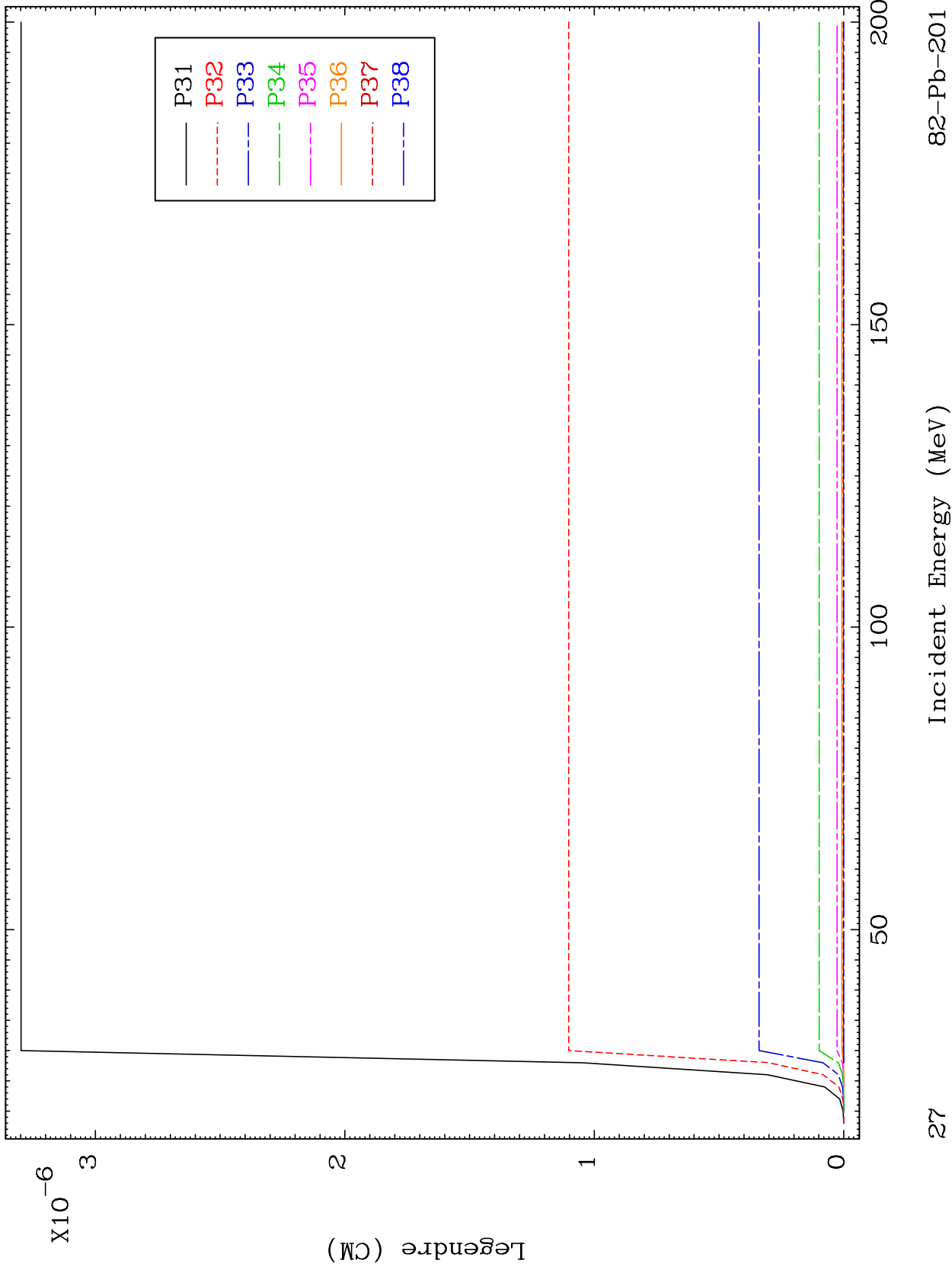
82-Pb-201



MAT 8216

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

82-Pb-201



27

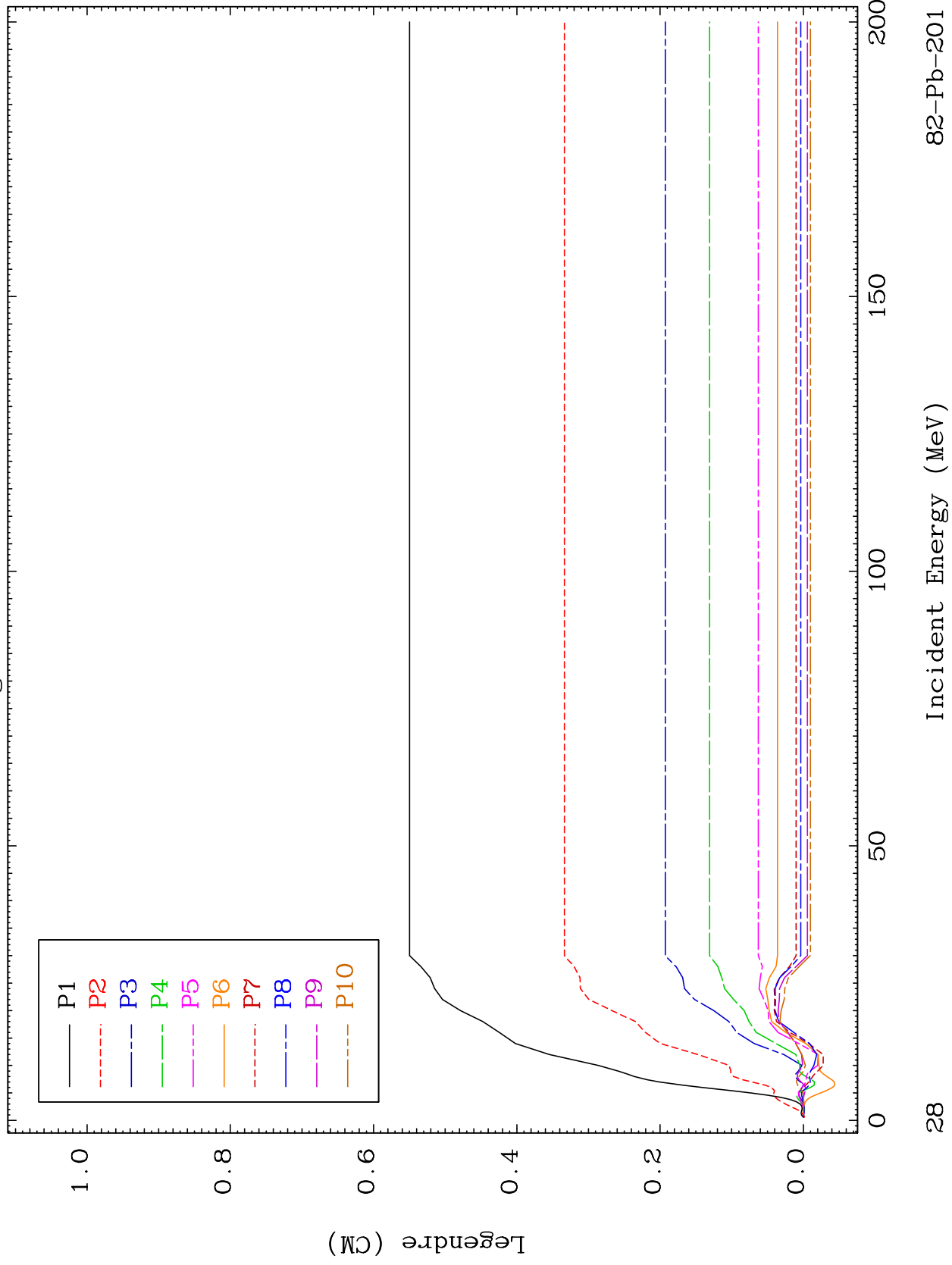
Incident Energy (MeV)

82-Pb-201

MAT 8216

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

82-Pb-201



28

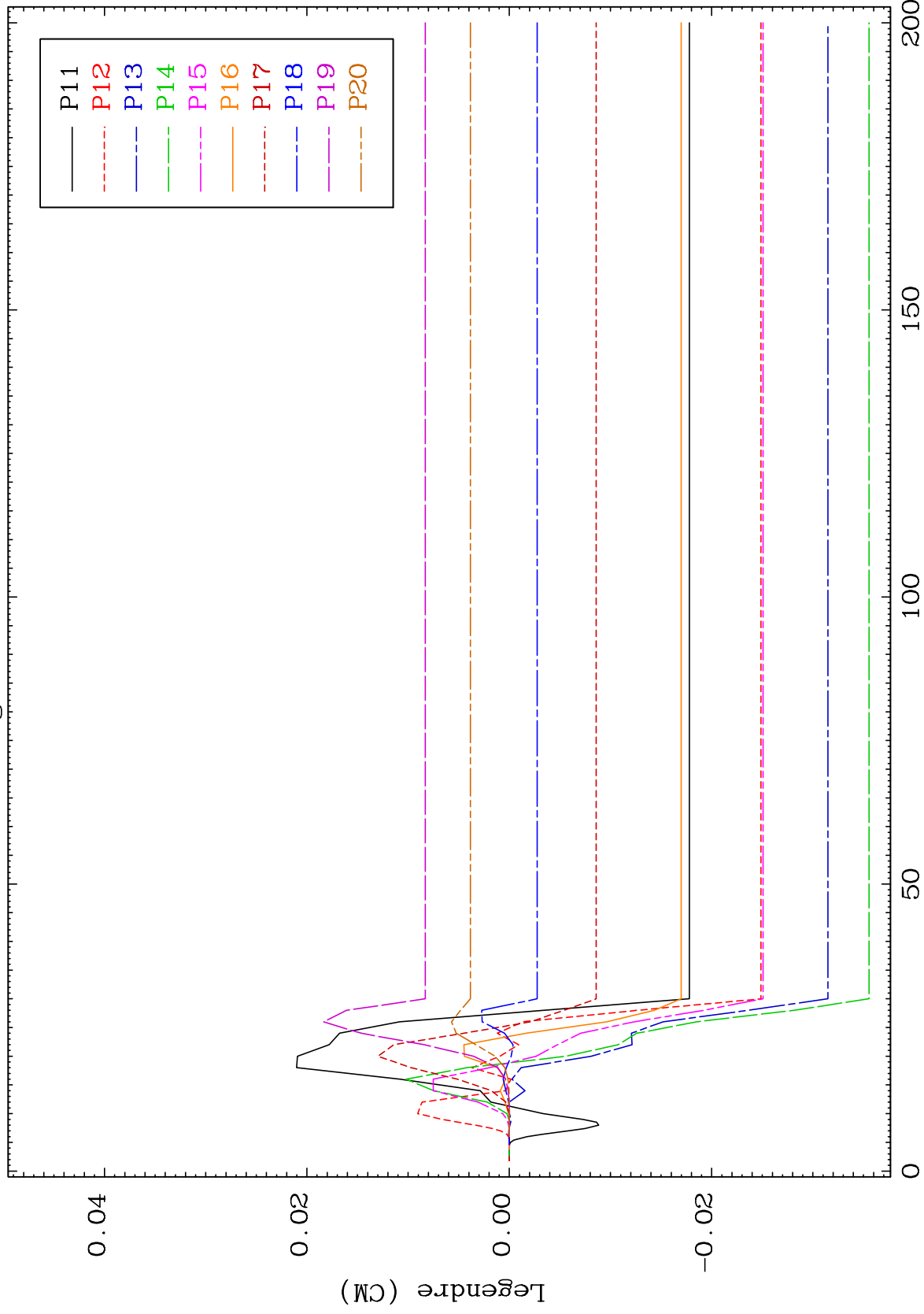
Incident Energy (MeV)

82-Pb-201

MAT 8216

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

82-Pb-201



29

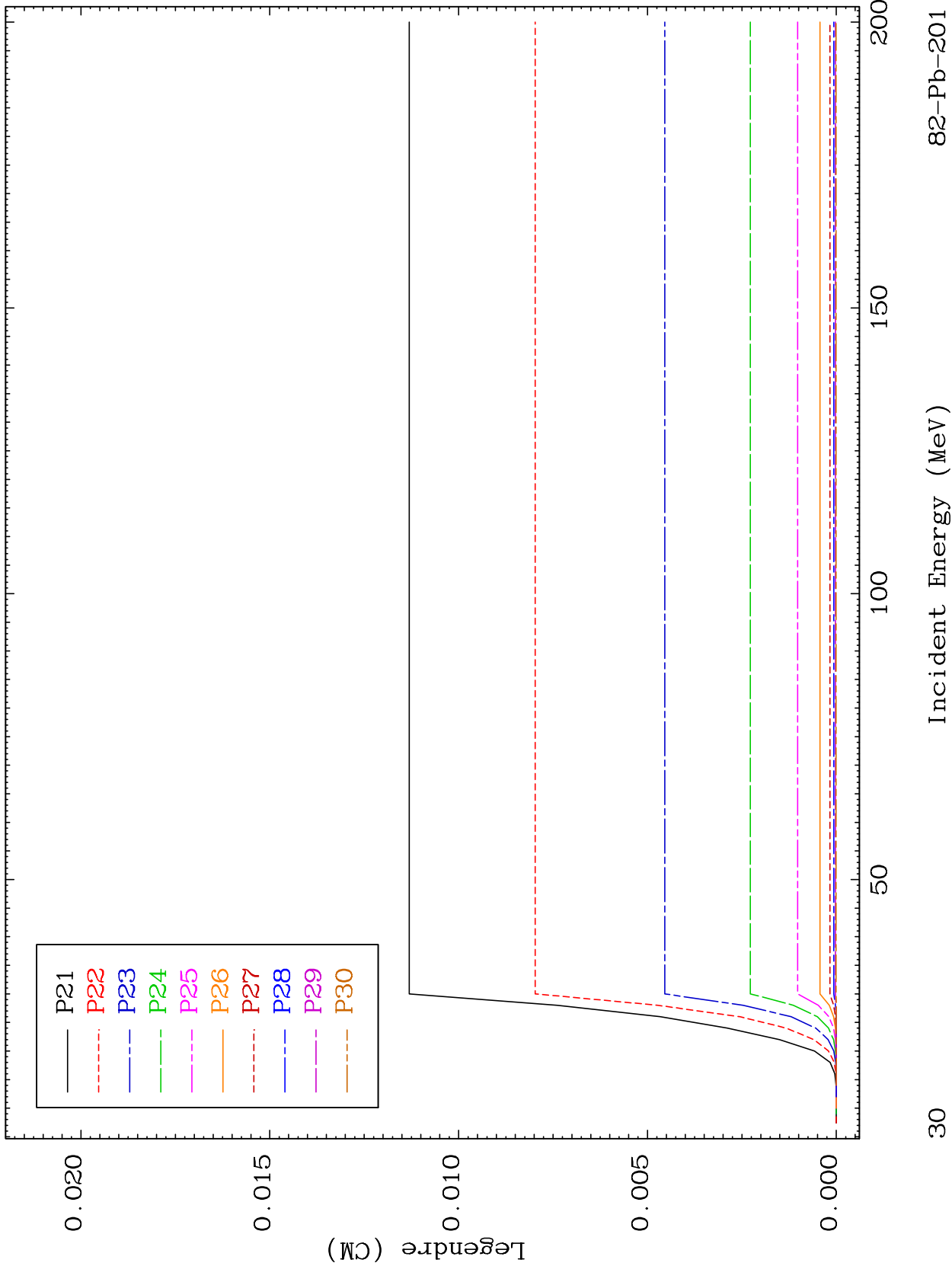
Incident Energy (MeV)

82-Pb-201

MAT 8216

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

82-Pb-201



30

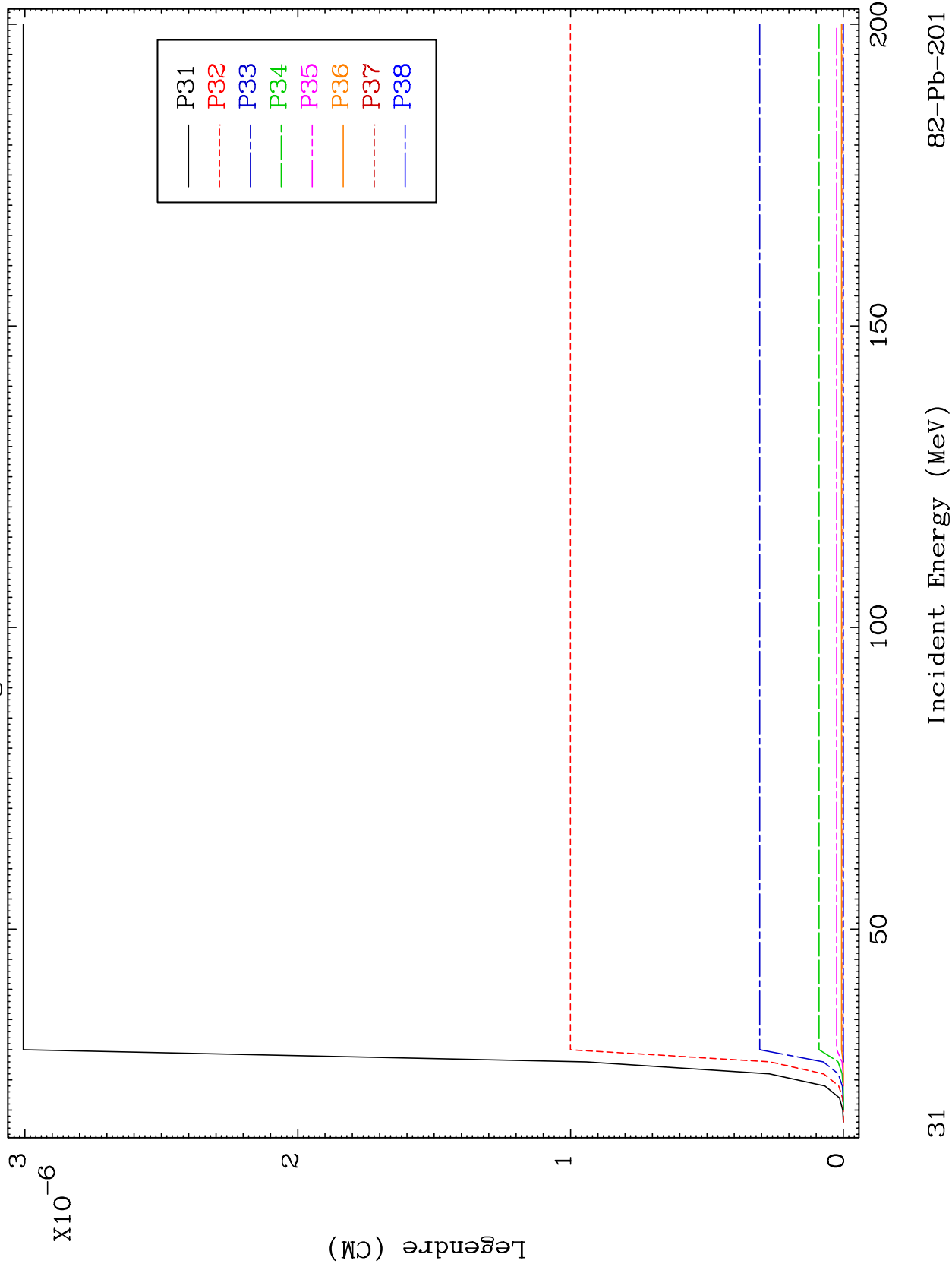
Incident Energy (MeV)

82-Pb-201

MAT 8216

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

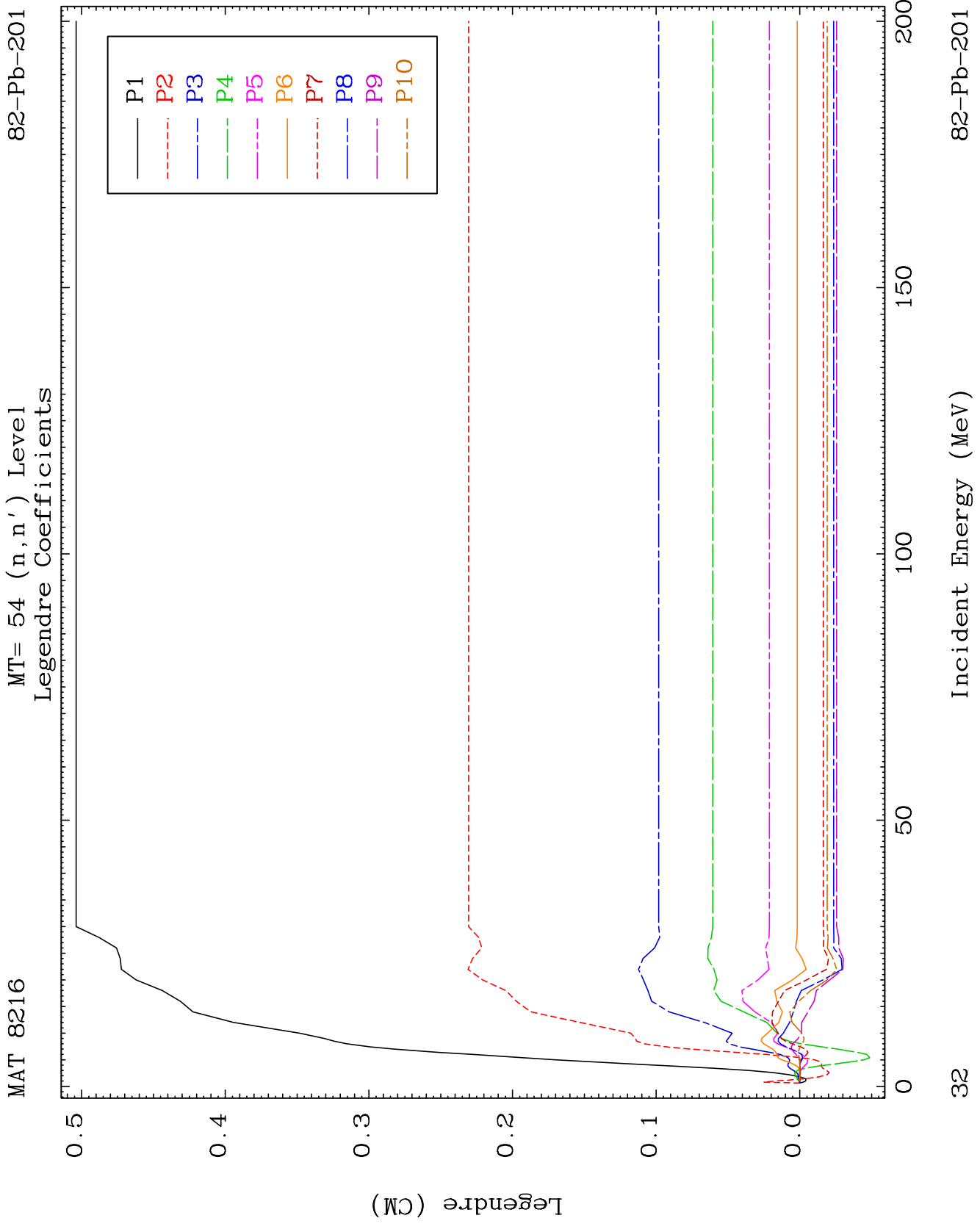
82-Pb-201



31

Incident Energy (MeV)

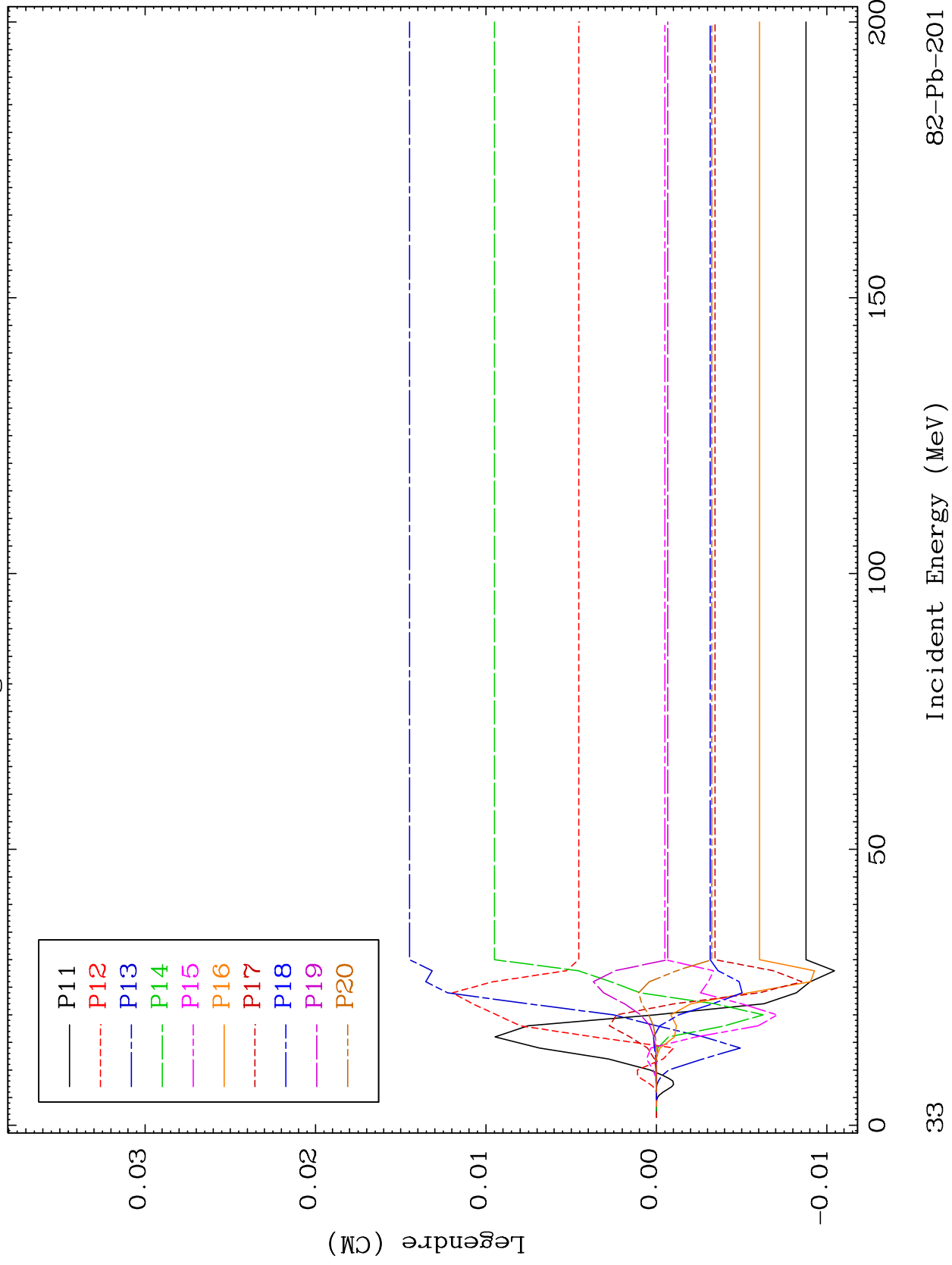
82-Pb-201



MAT 8216

82-Pb-201

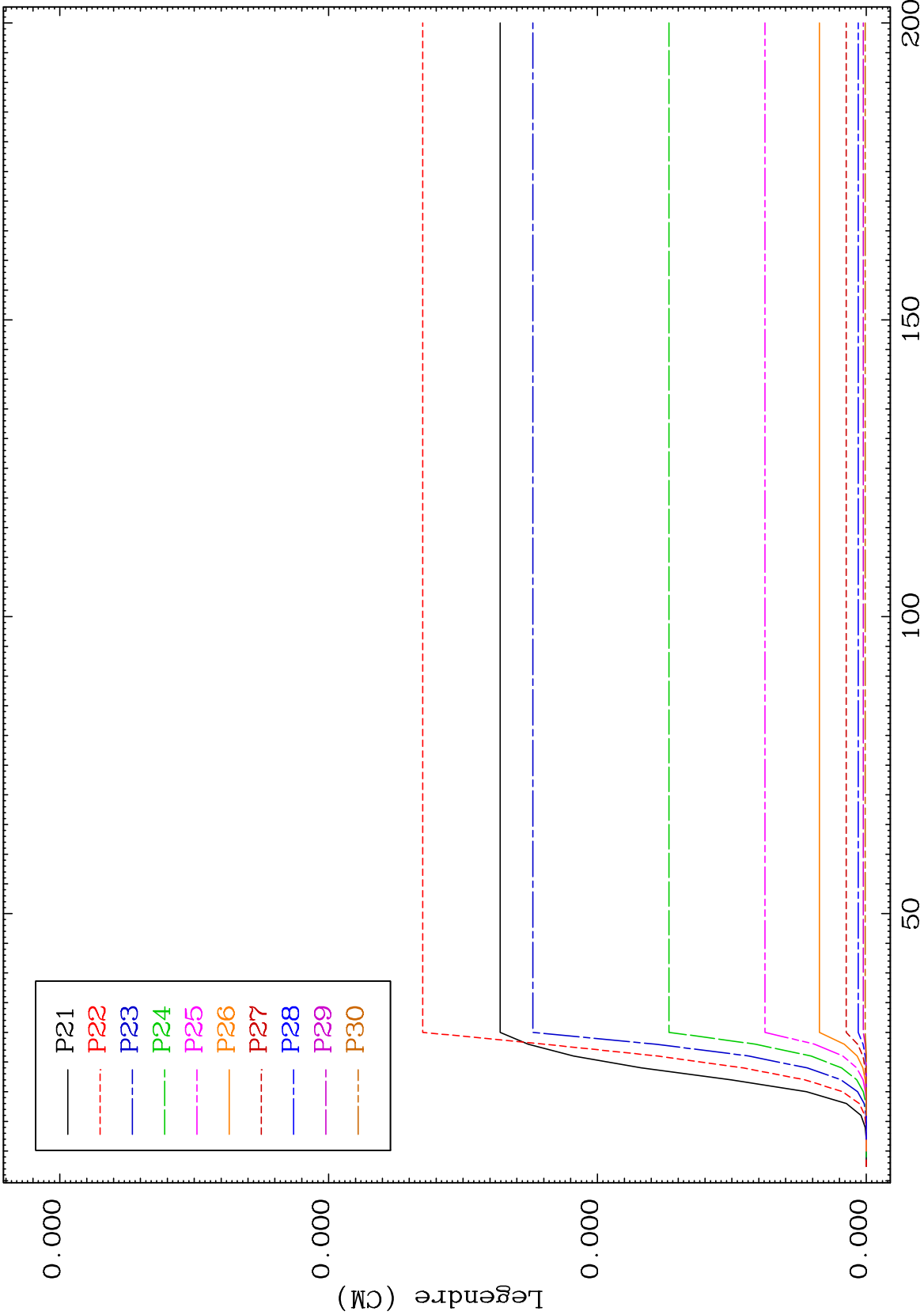
MT= 54 (n,n') Level
Legendre Coefficients



MAT 8216

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

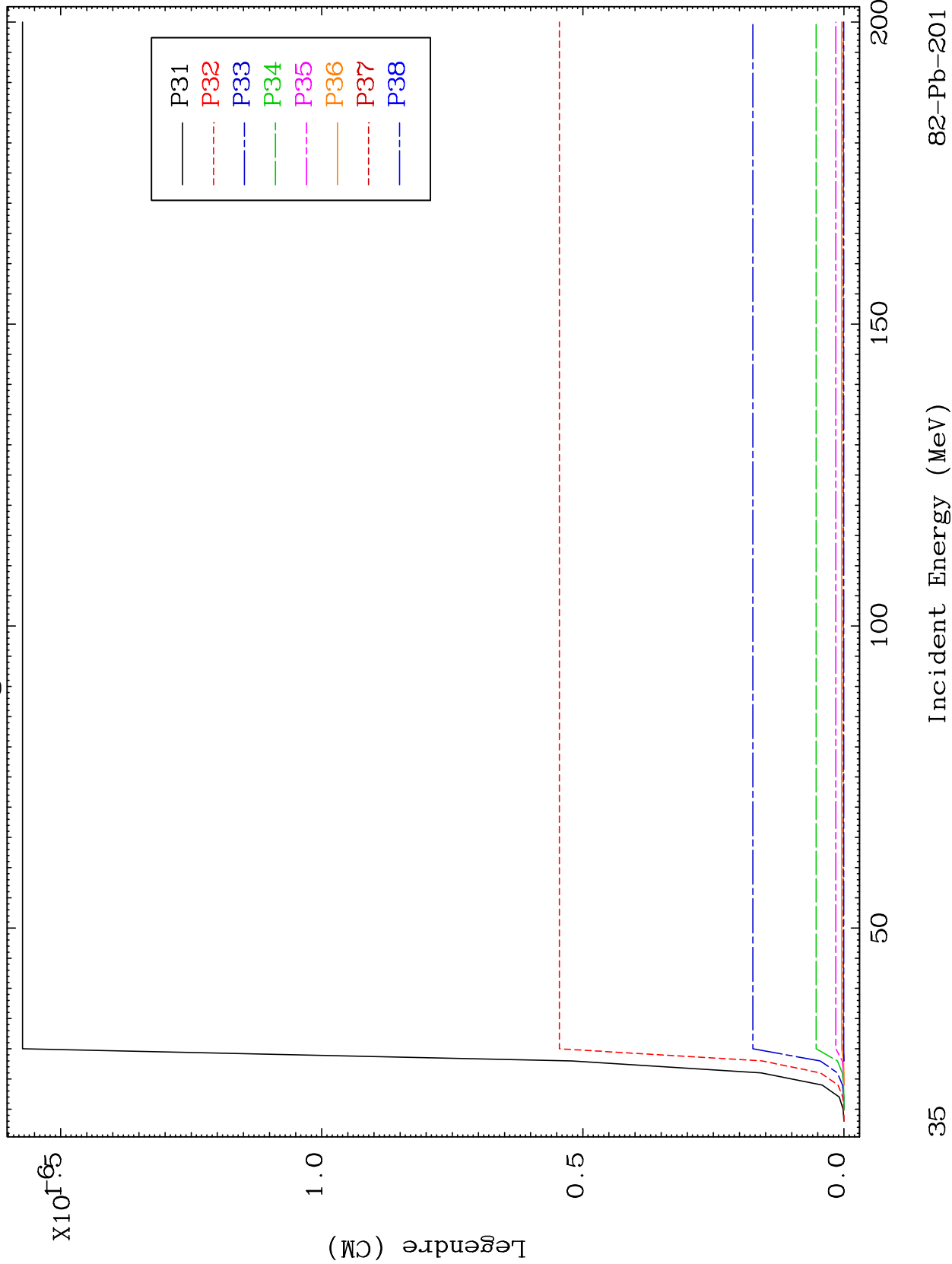
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MAT 8216

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

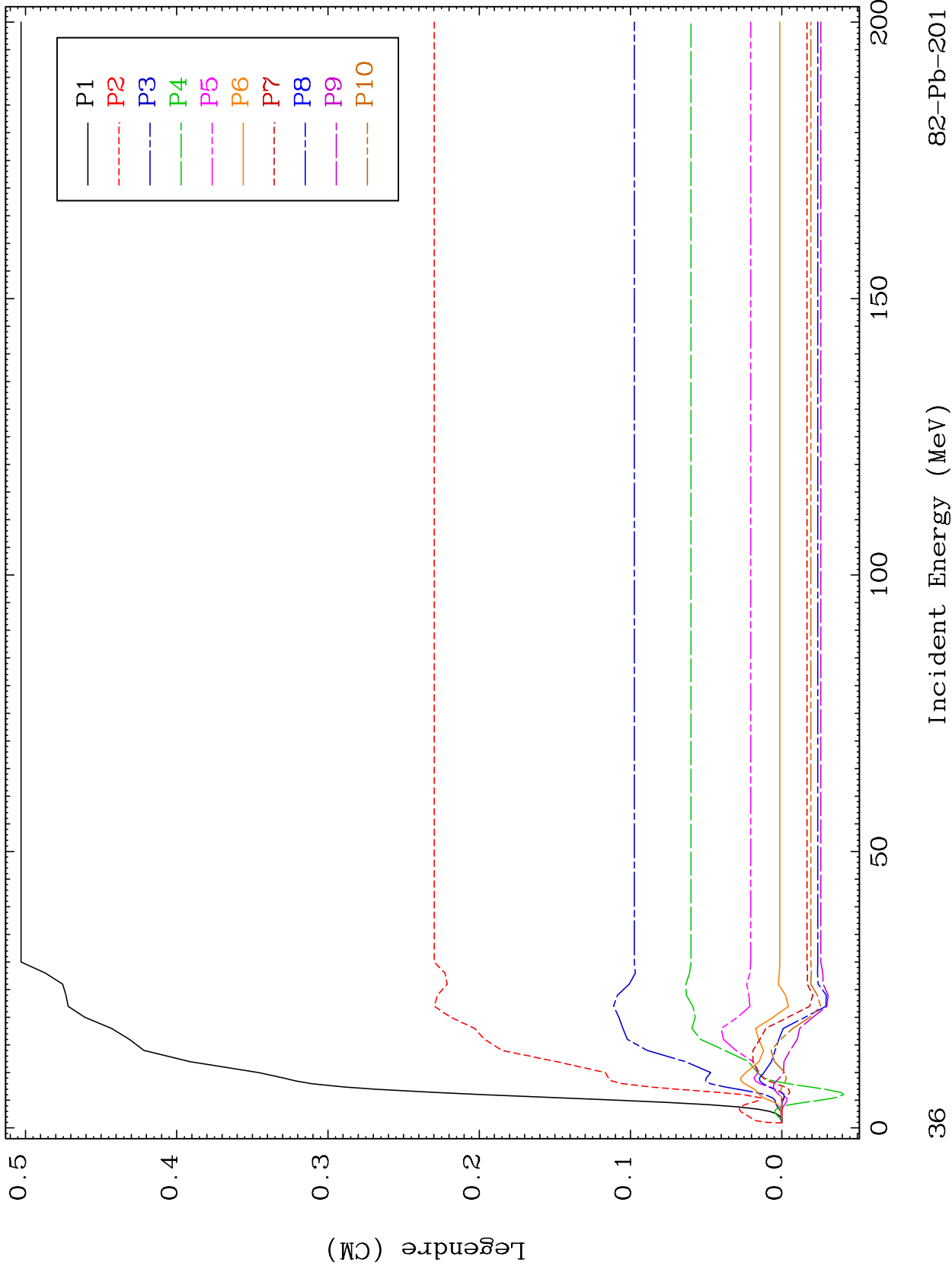
82-Pb-201



MAT 8216

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

82-Pb-201



36

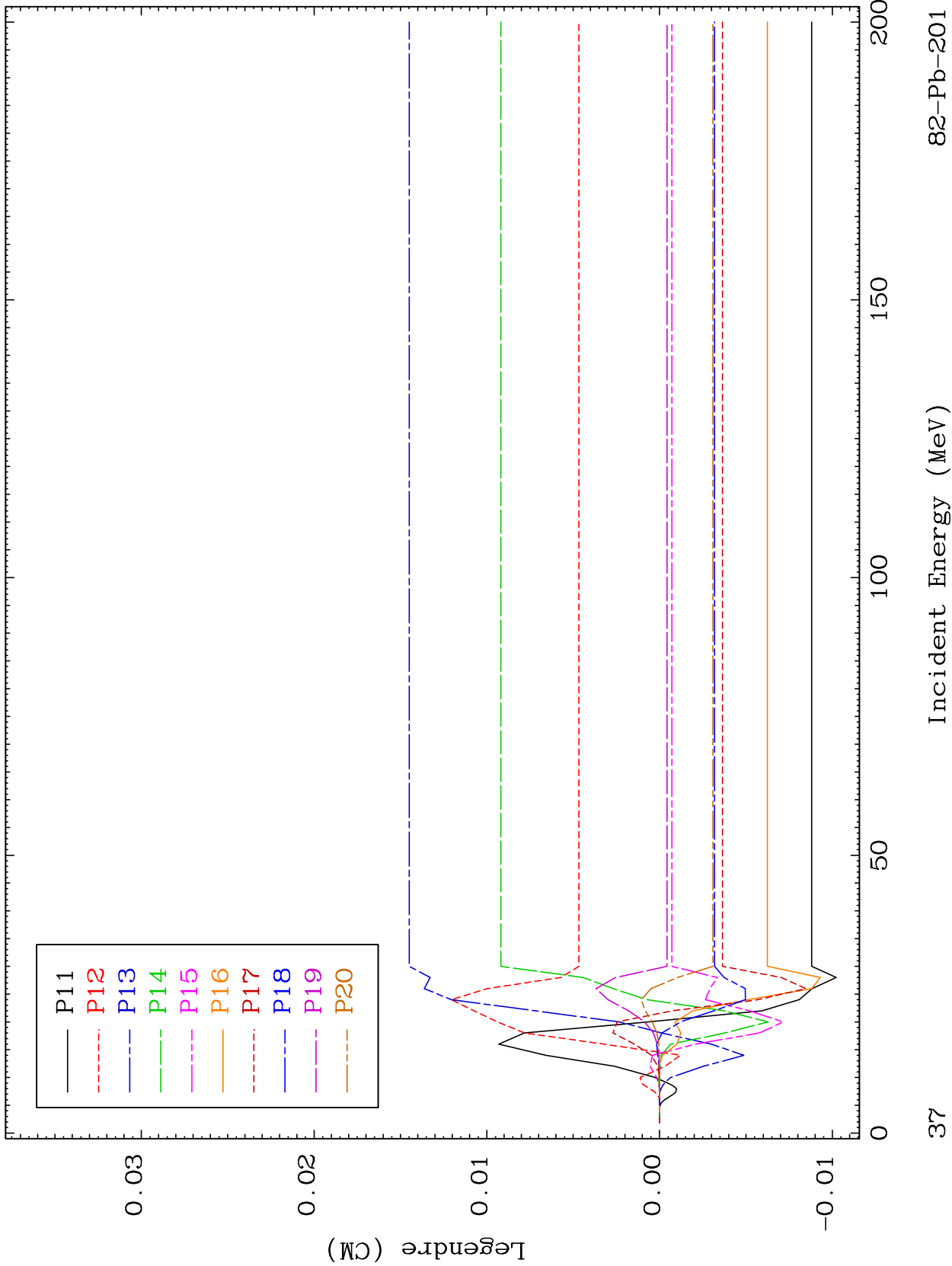
Incident Energy (MeV)

82-Pb-201

MAT 8216

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

82-Pb-201



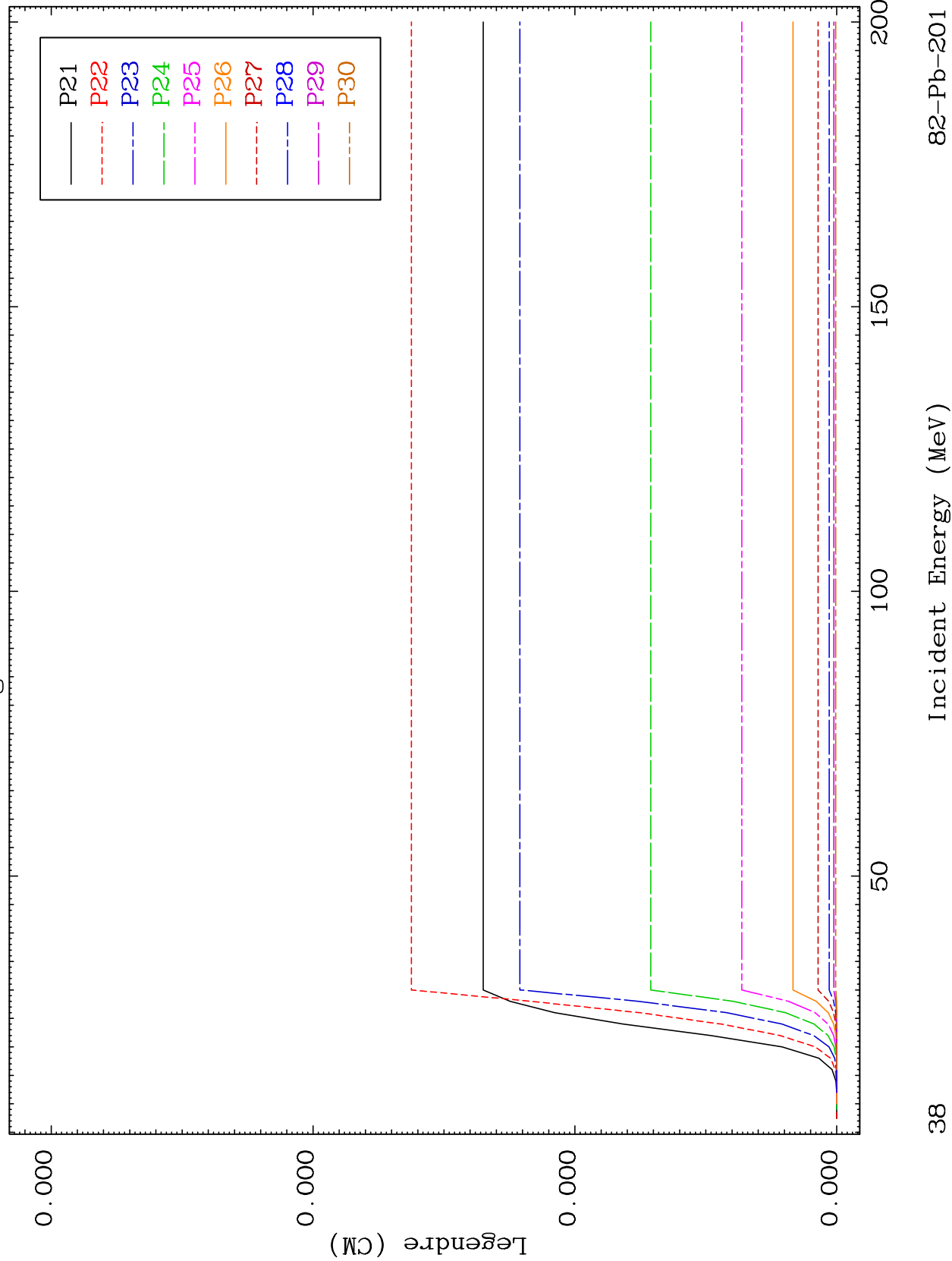
37

82-Pb-201

MAT 8216

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

82-Pb-201

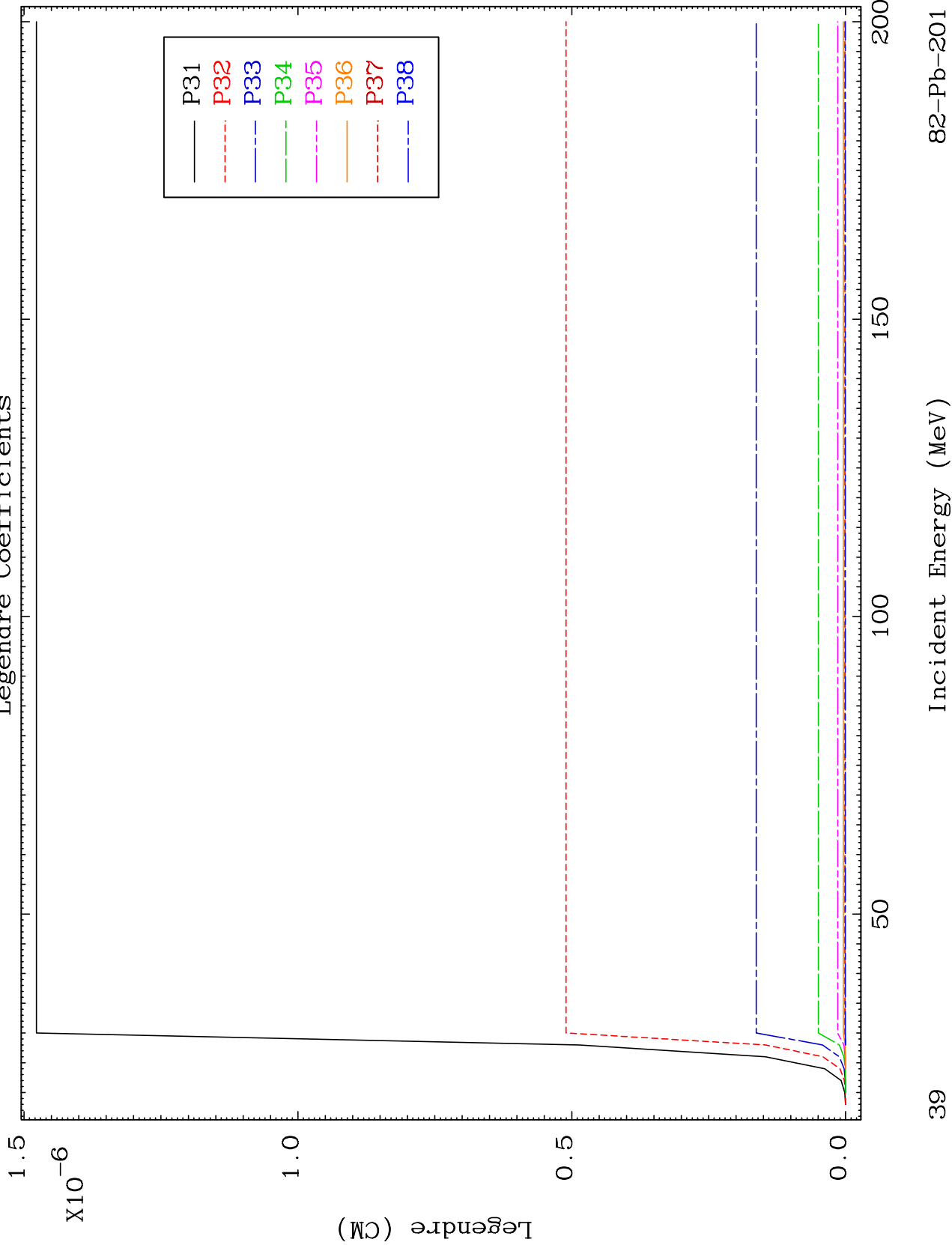


38

MAT 8216

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

82-Pb-201

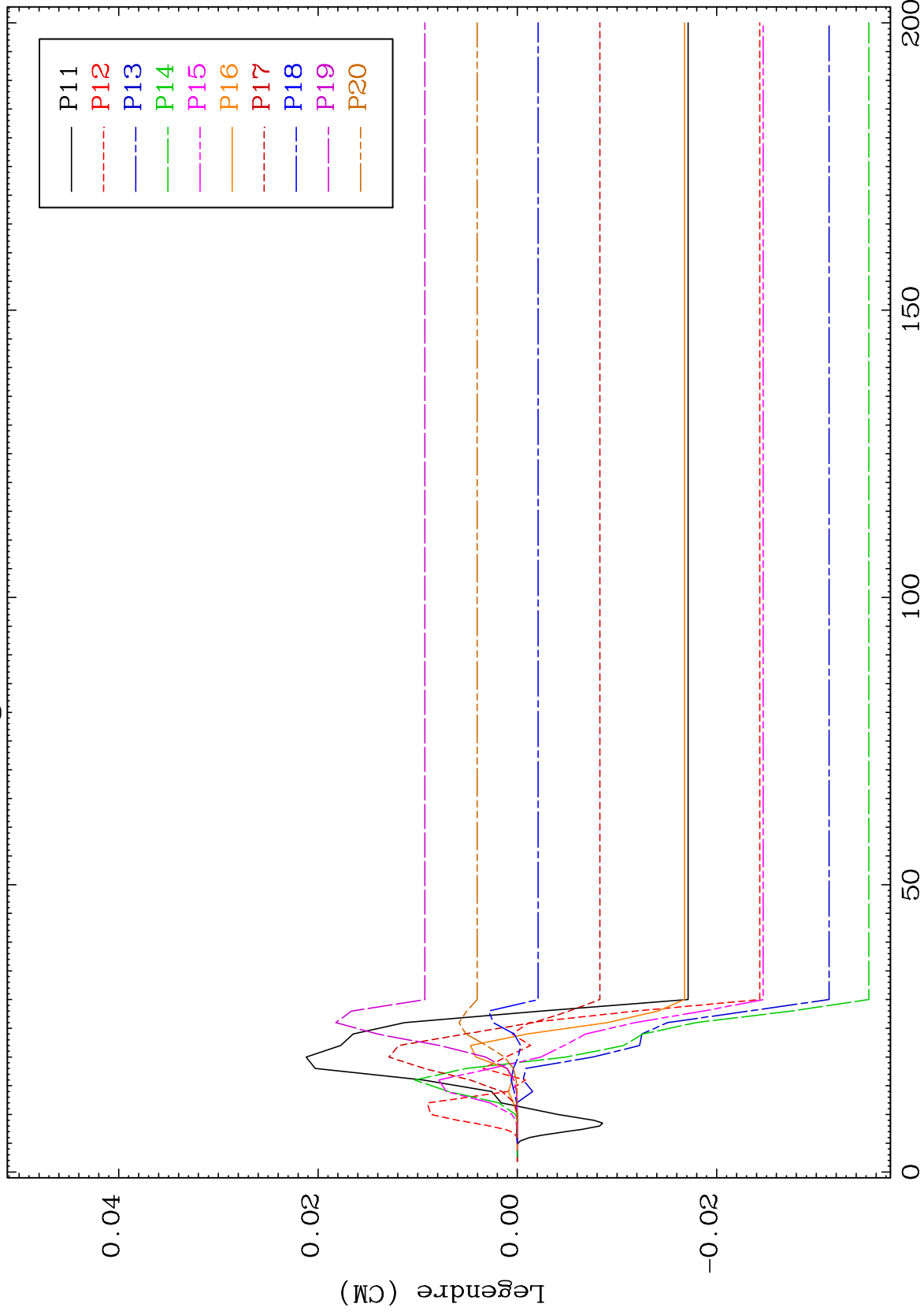


39

MAT 8216

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

82-Pb-201



41

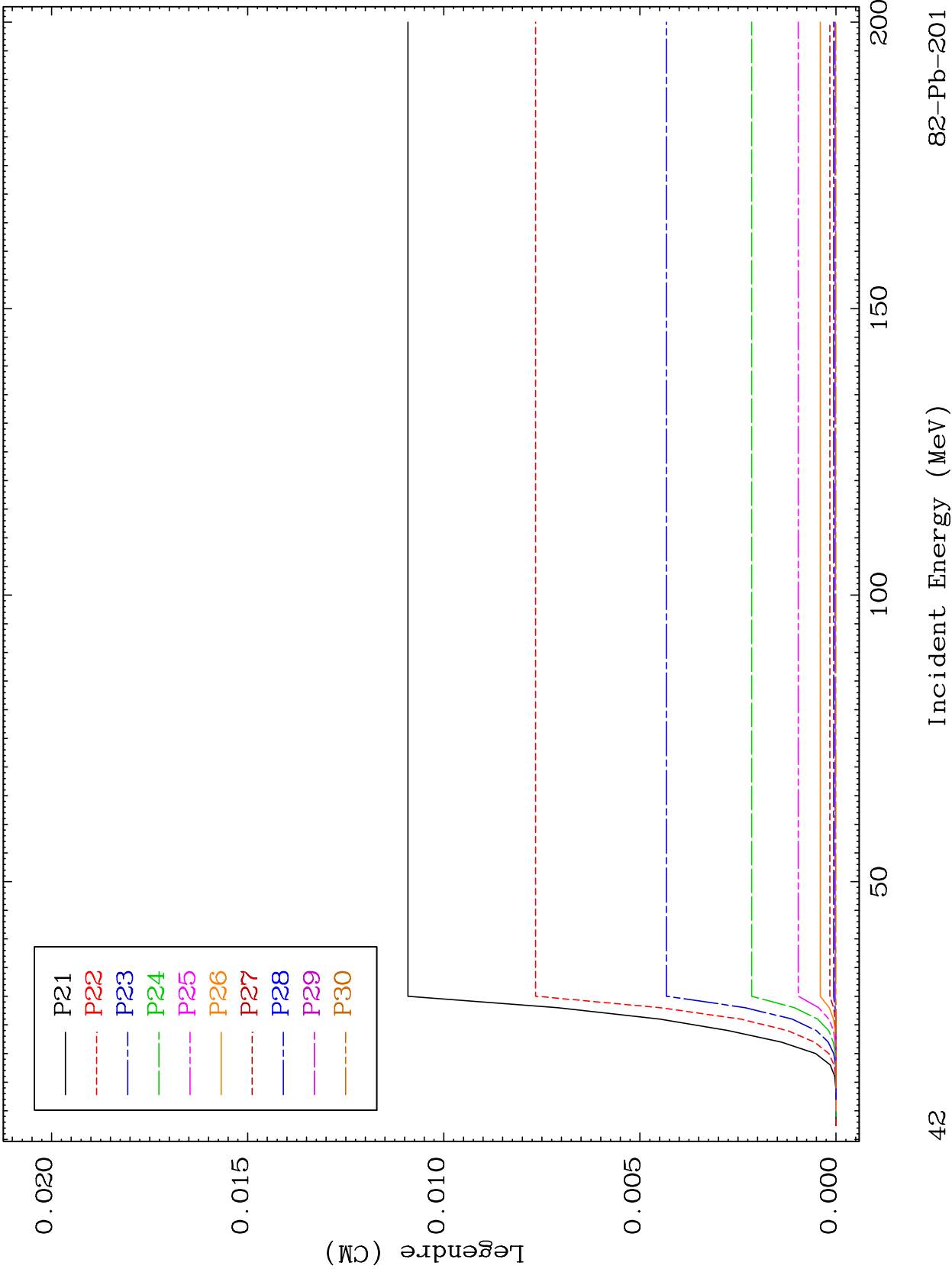
Incident Energy (MeV)

82-Pb-201

MAT 8216

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

82-Pb-201



42

Incident Energy (MeV)

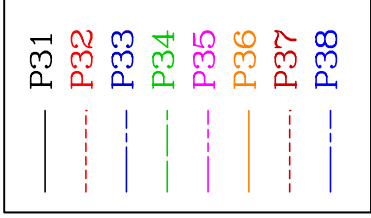
82-Pb-201

MAT 8216

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

82-Pb-201

$\times 10^{-6}$
2.5
2.0
1.5
1.0
0.5
0.0



Legendre (CM)

50 100 150 200

43

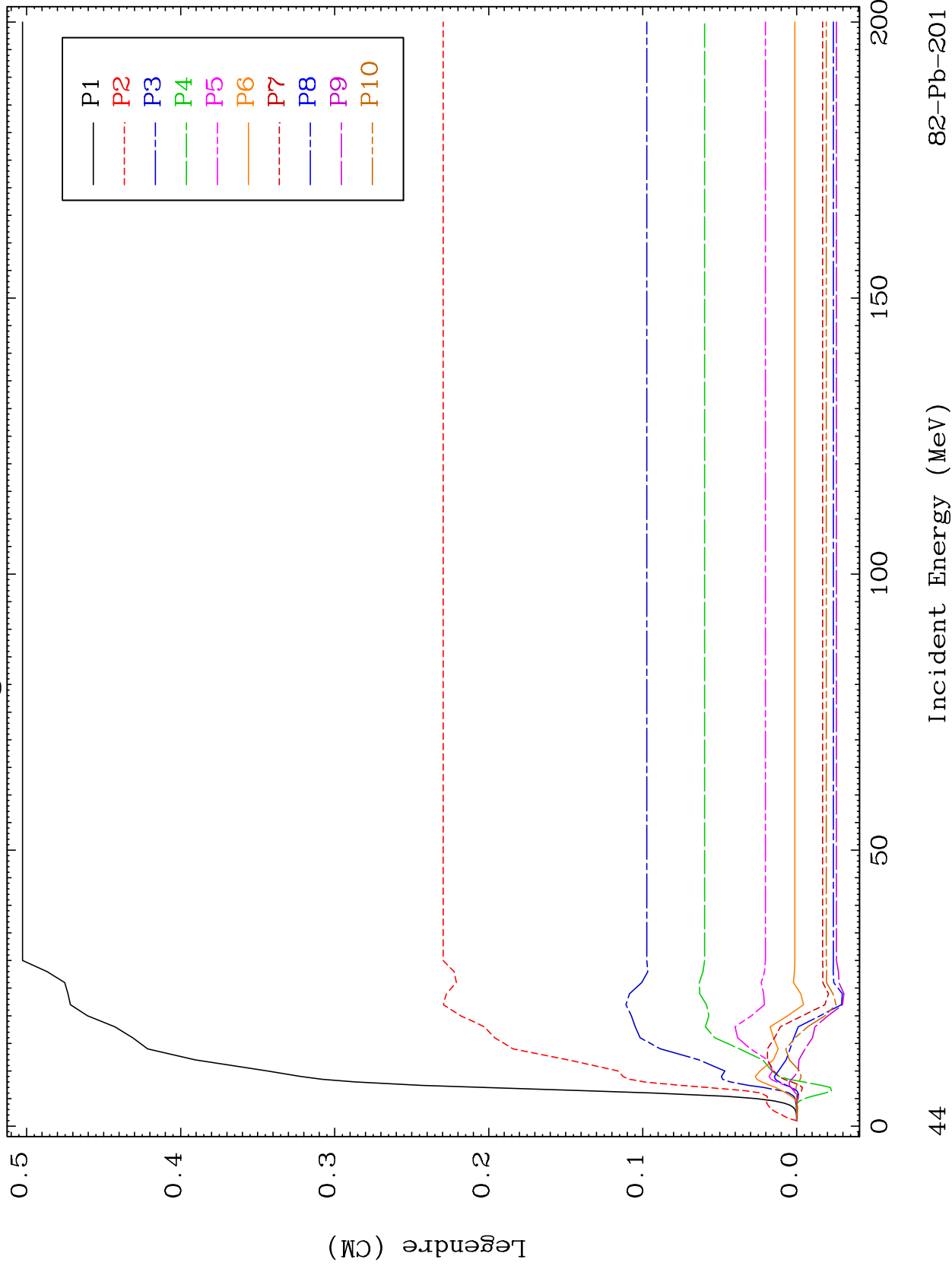
Incident Energy (MeV)

82-Pb-201

MAT 8216

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

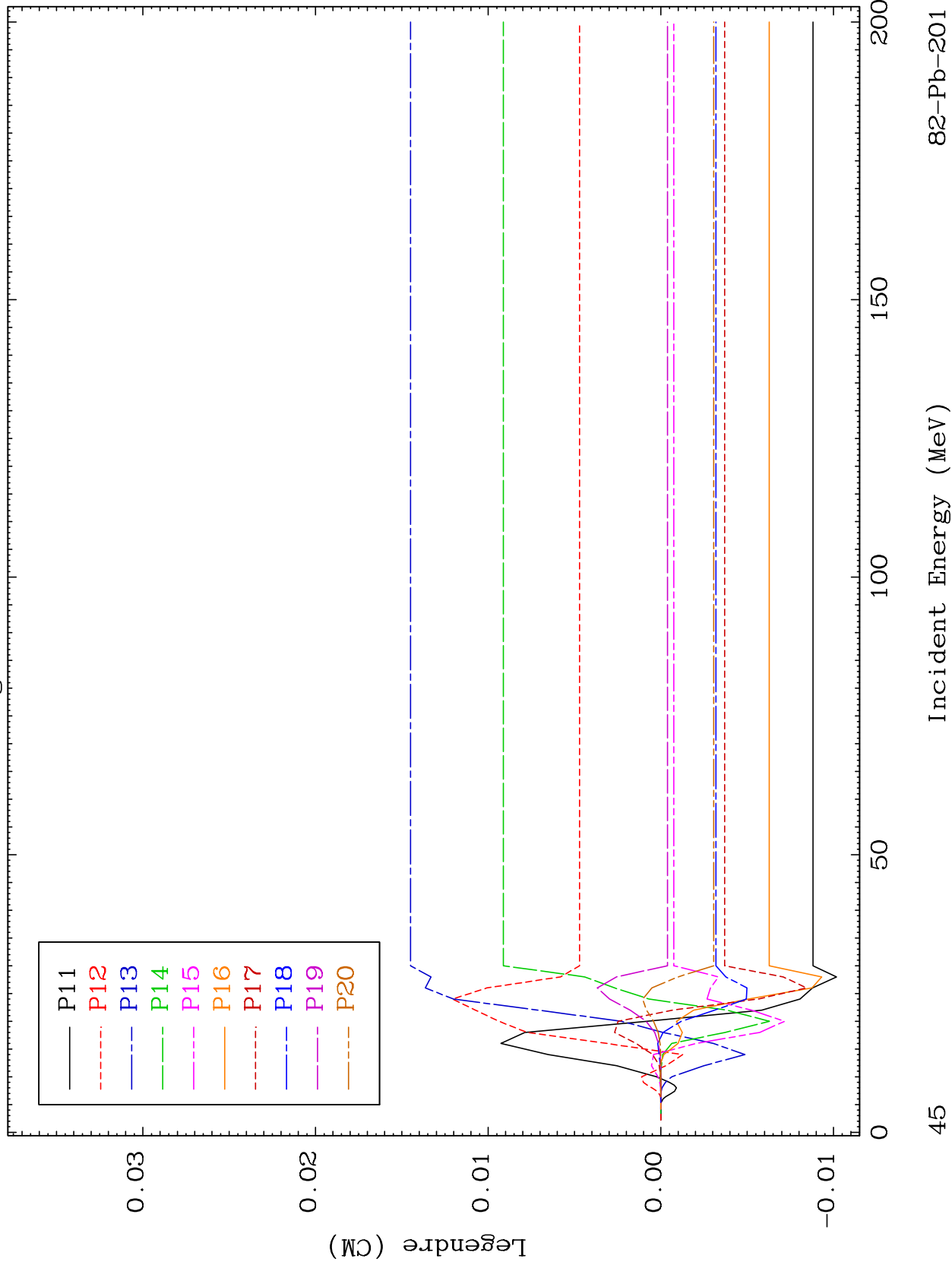
82-Pb-201



MAT 8216

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

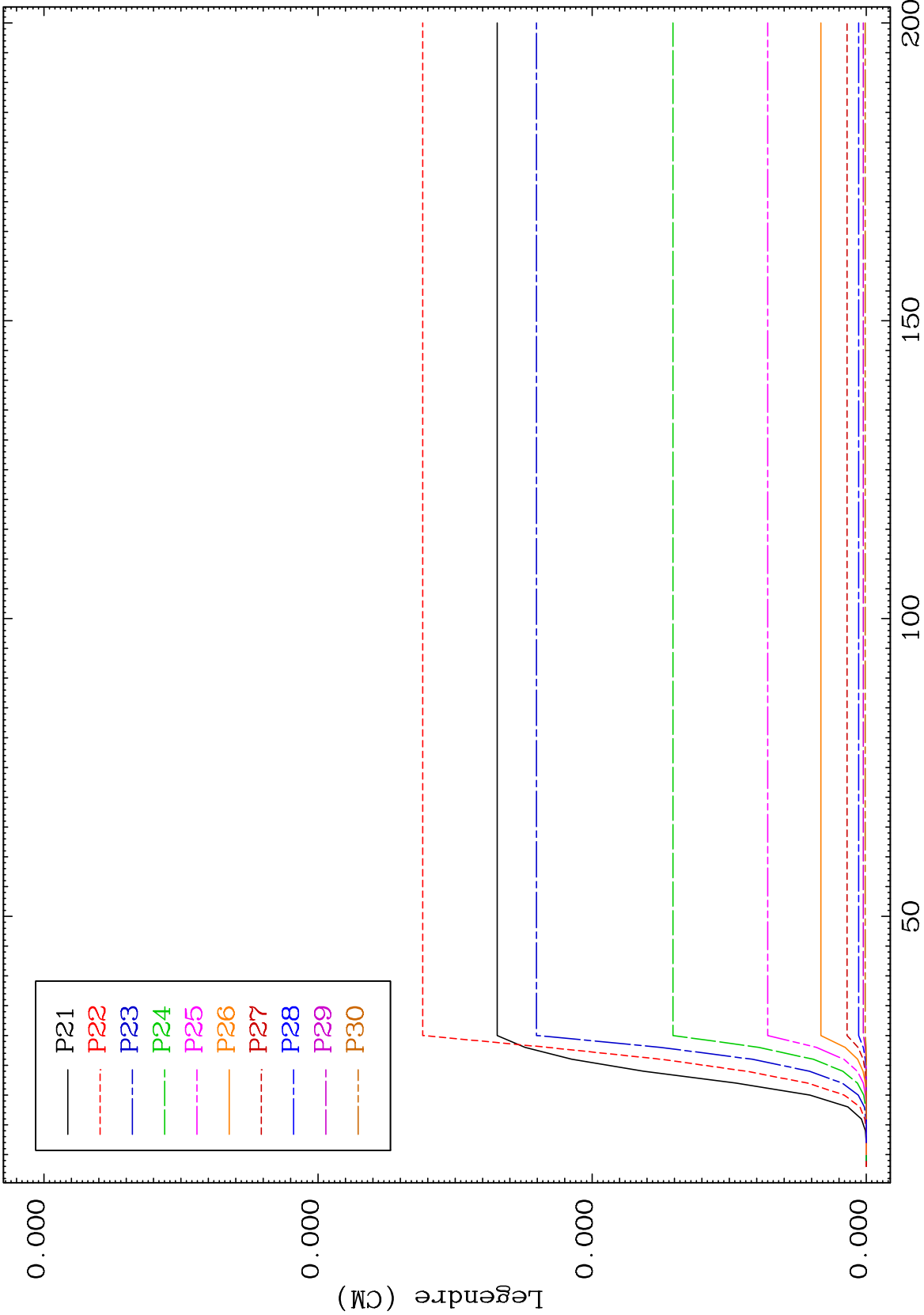
82-Pb-201



MAT 8216

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

82-Pb-201



46

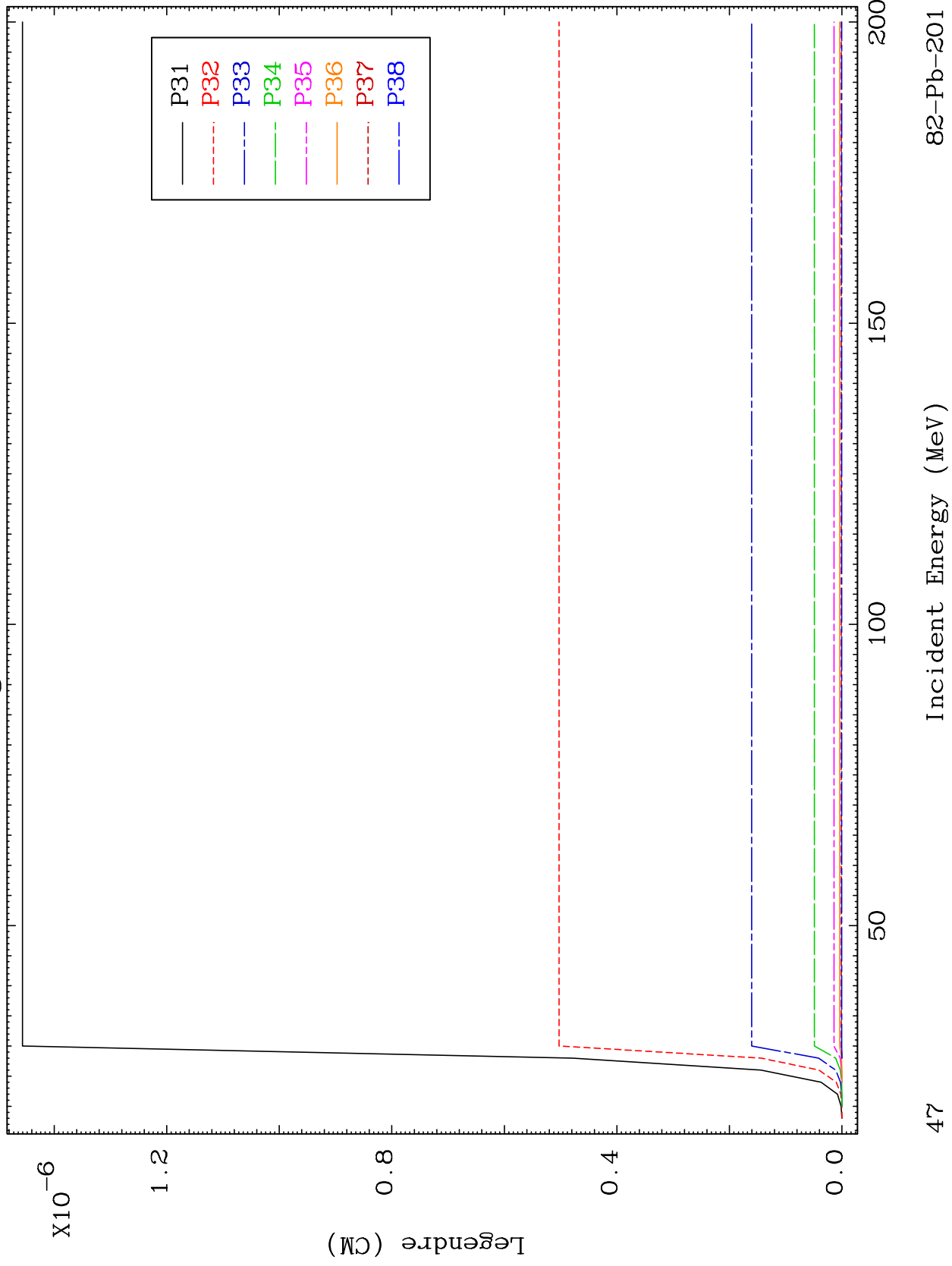
Incident Energy (MeV)

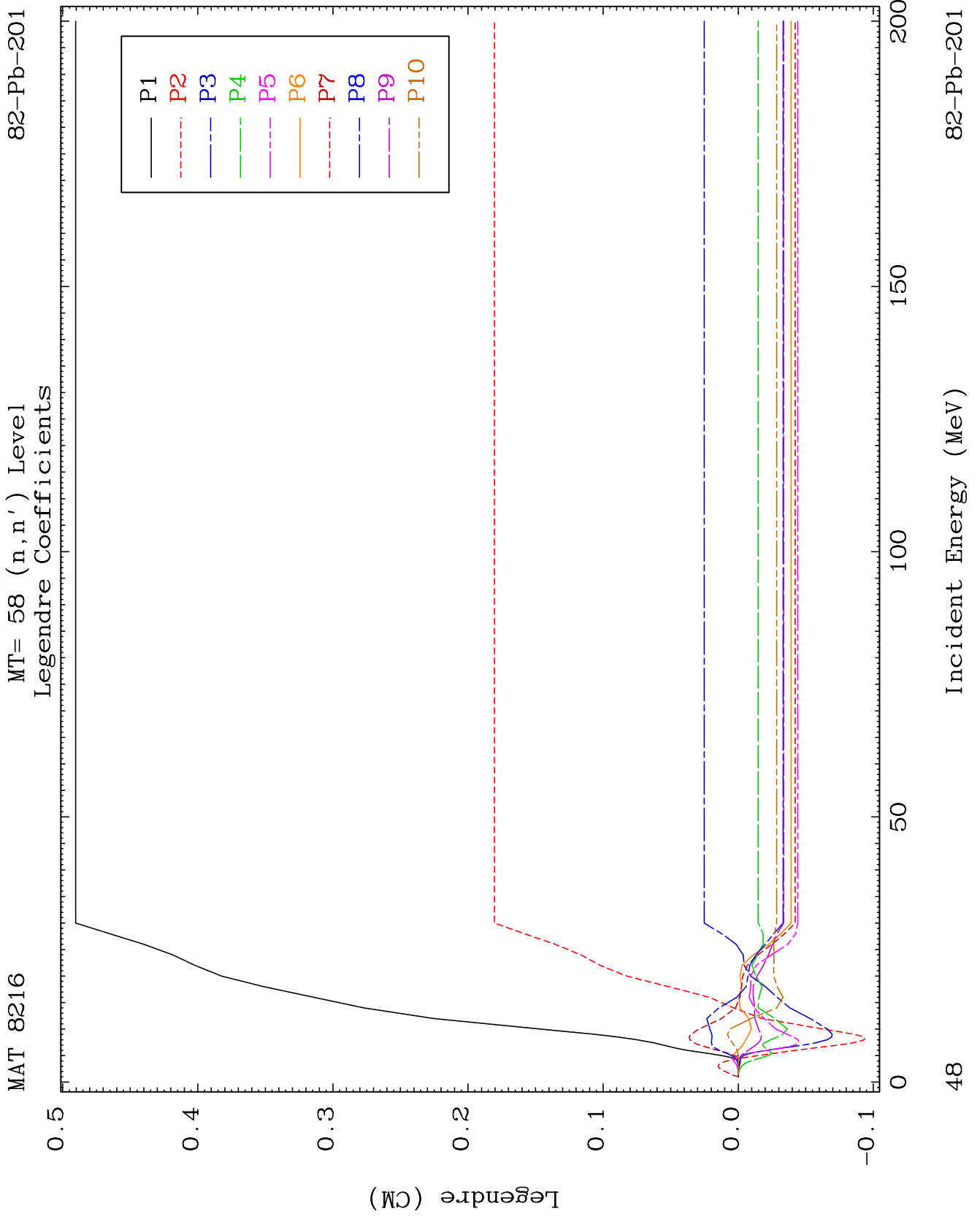
82-Pb-201

MAT 8216

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

82-Pb-201

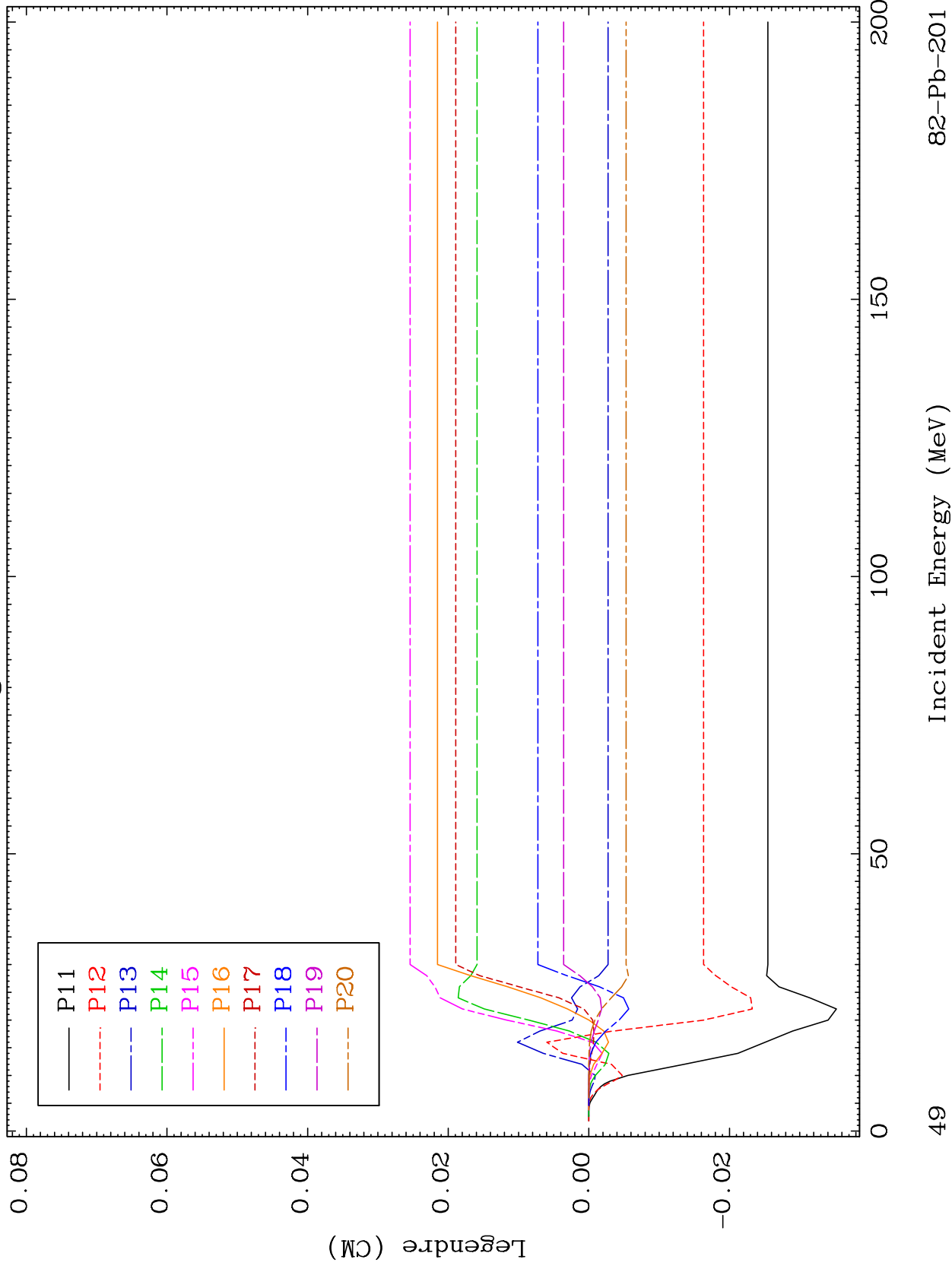




MAT 8216

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

82-Pb-201



49

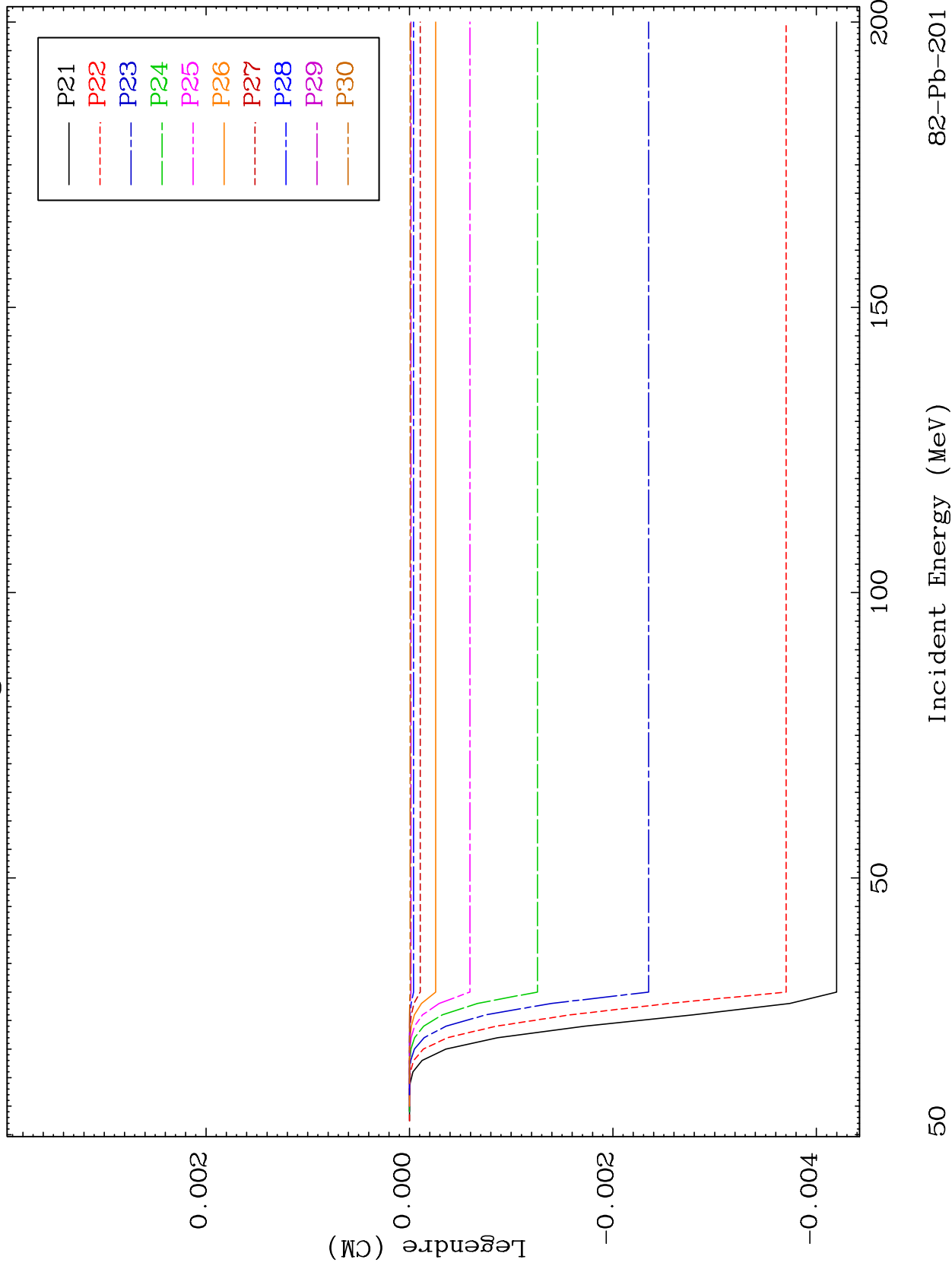
Incident Energy (MeV)

82-Pb-201

MAT 8216

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

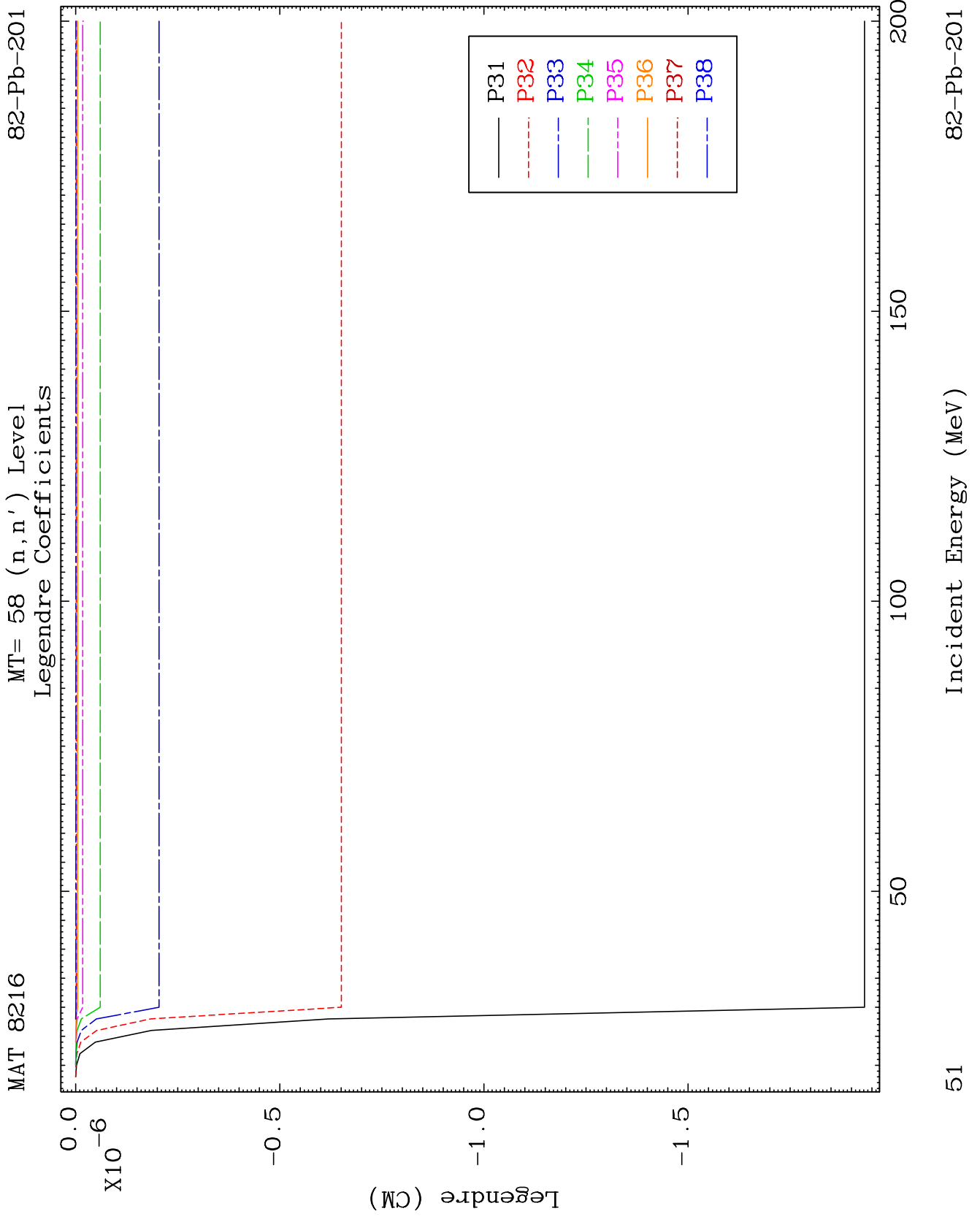
82-Pb-201



50

Incident Energy (MeV)

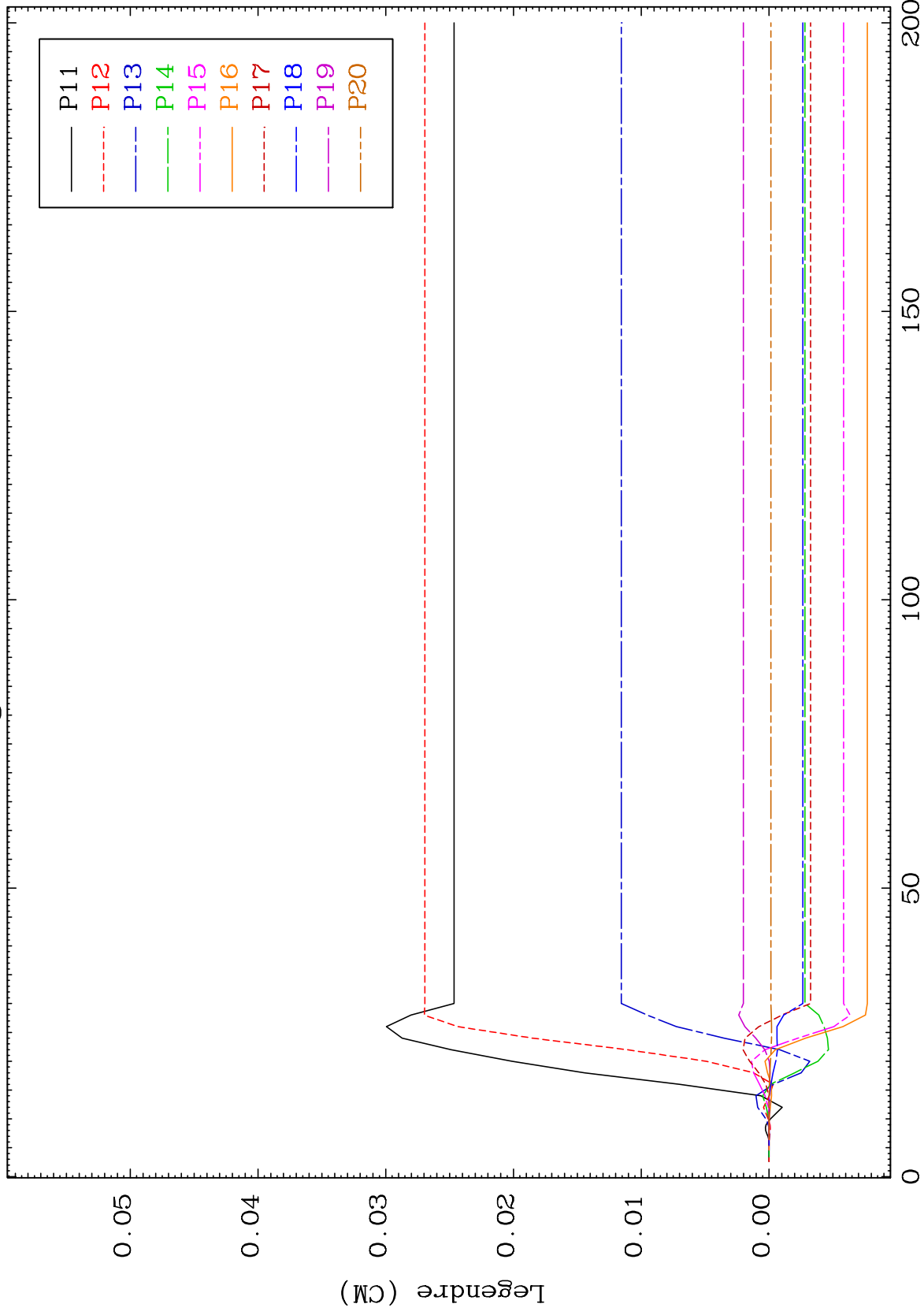
82-Pb-201



MAT 8216

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

82-Pb-201



53

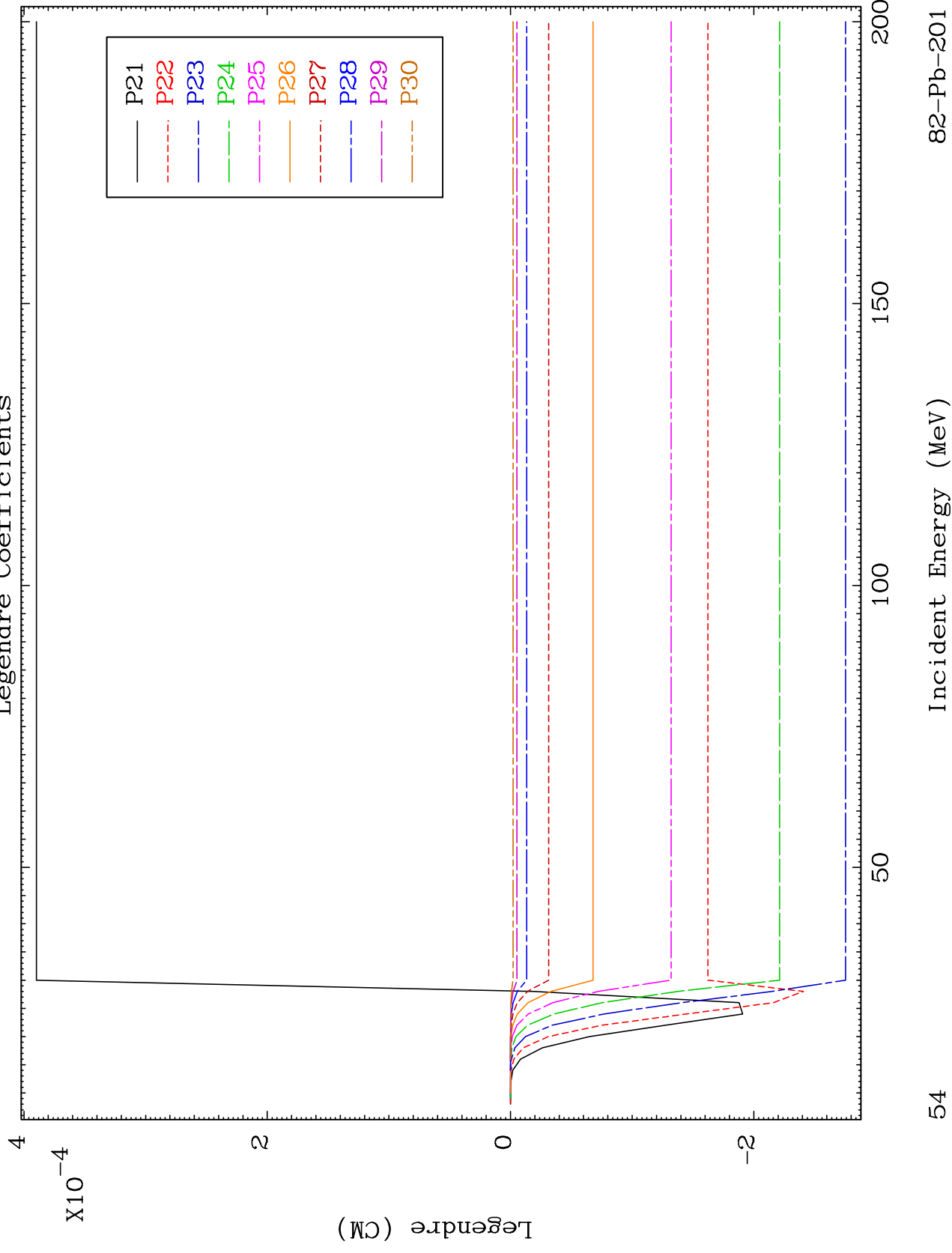
Incident Energy (MeV)

82-Pb-201

MAT 8216

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

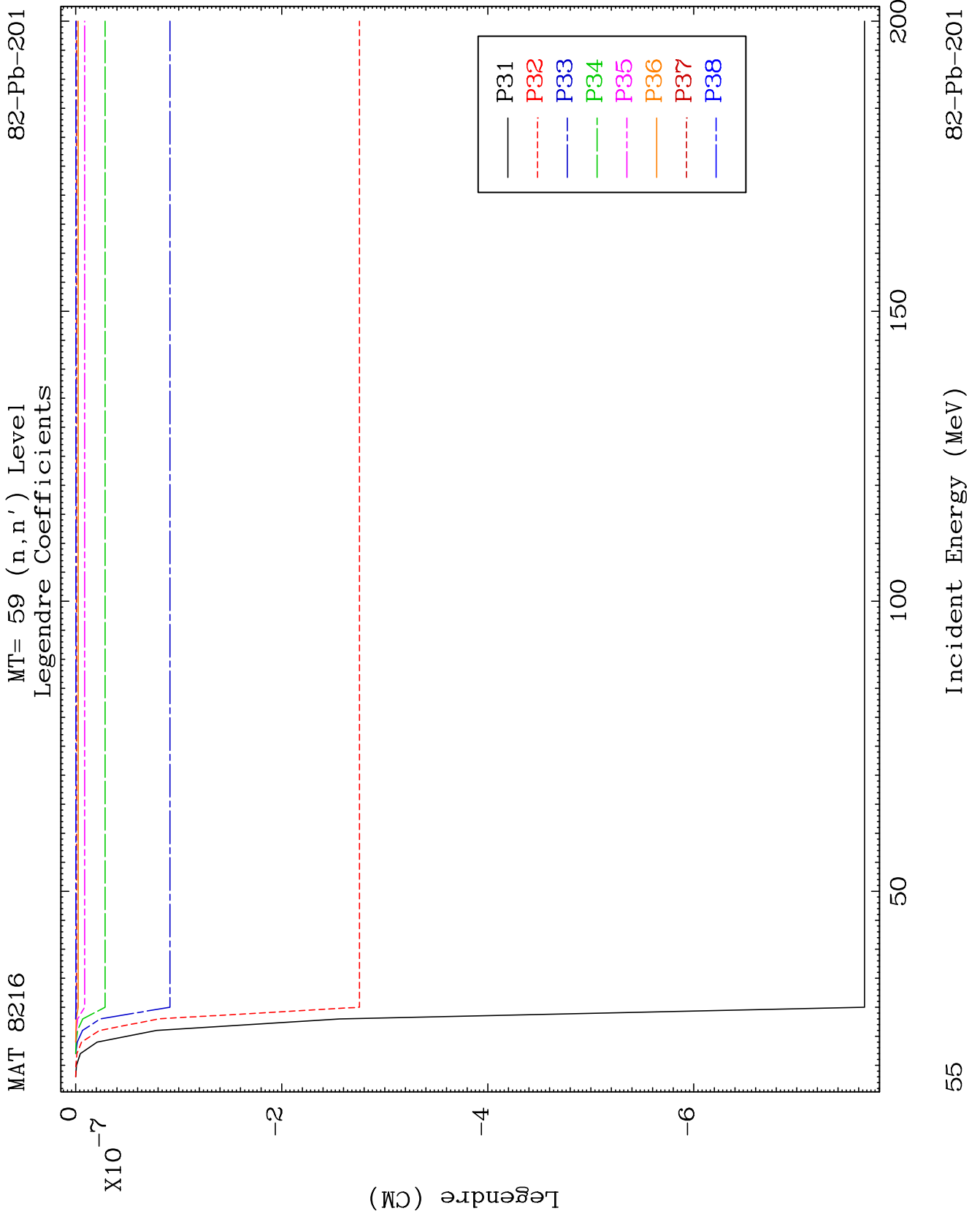
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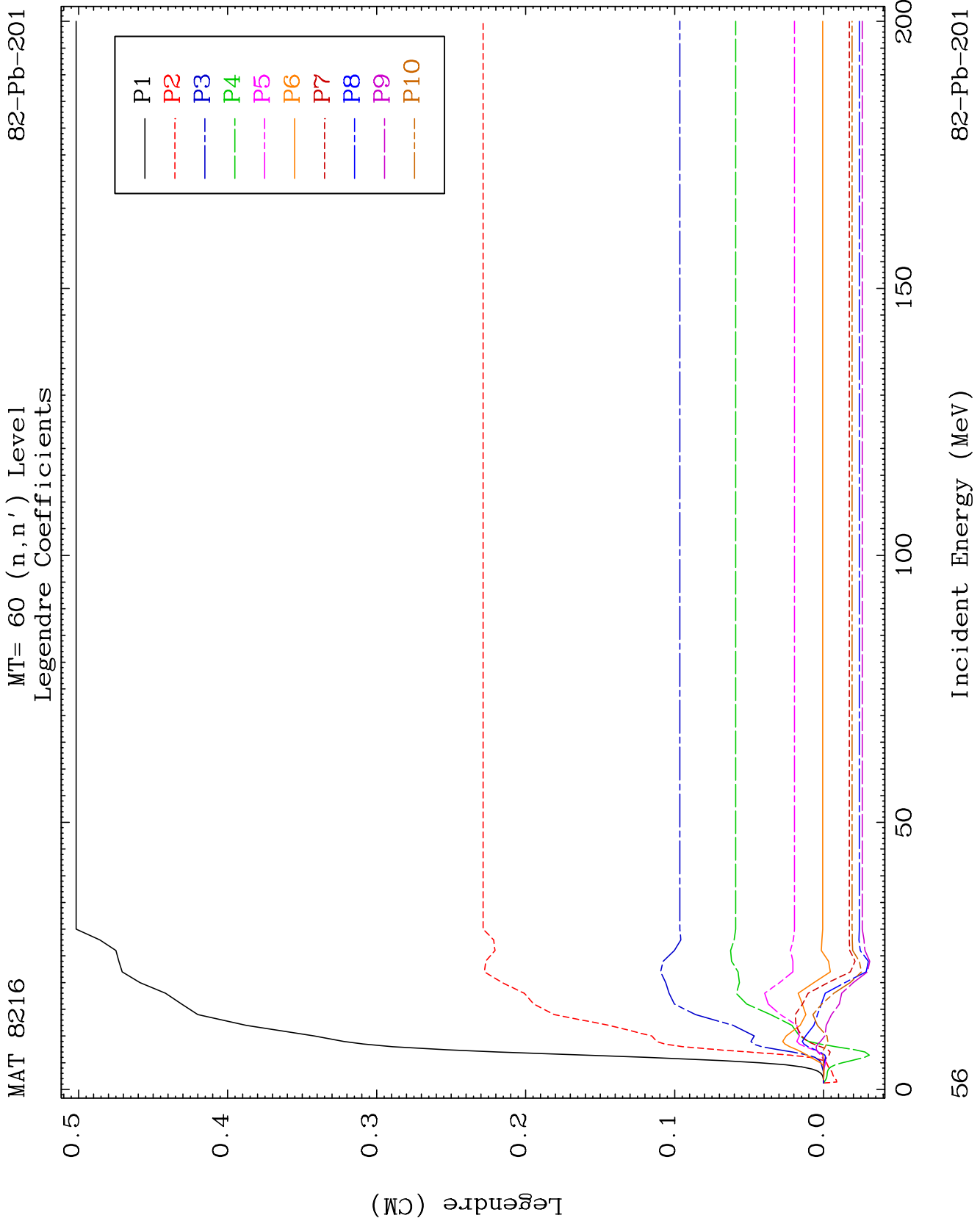


54

Incident Energy (MeV)

82-Pb-201

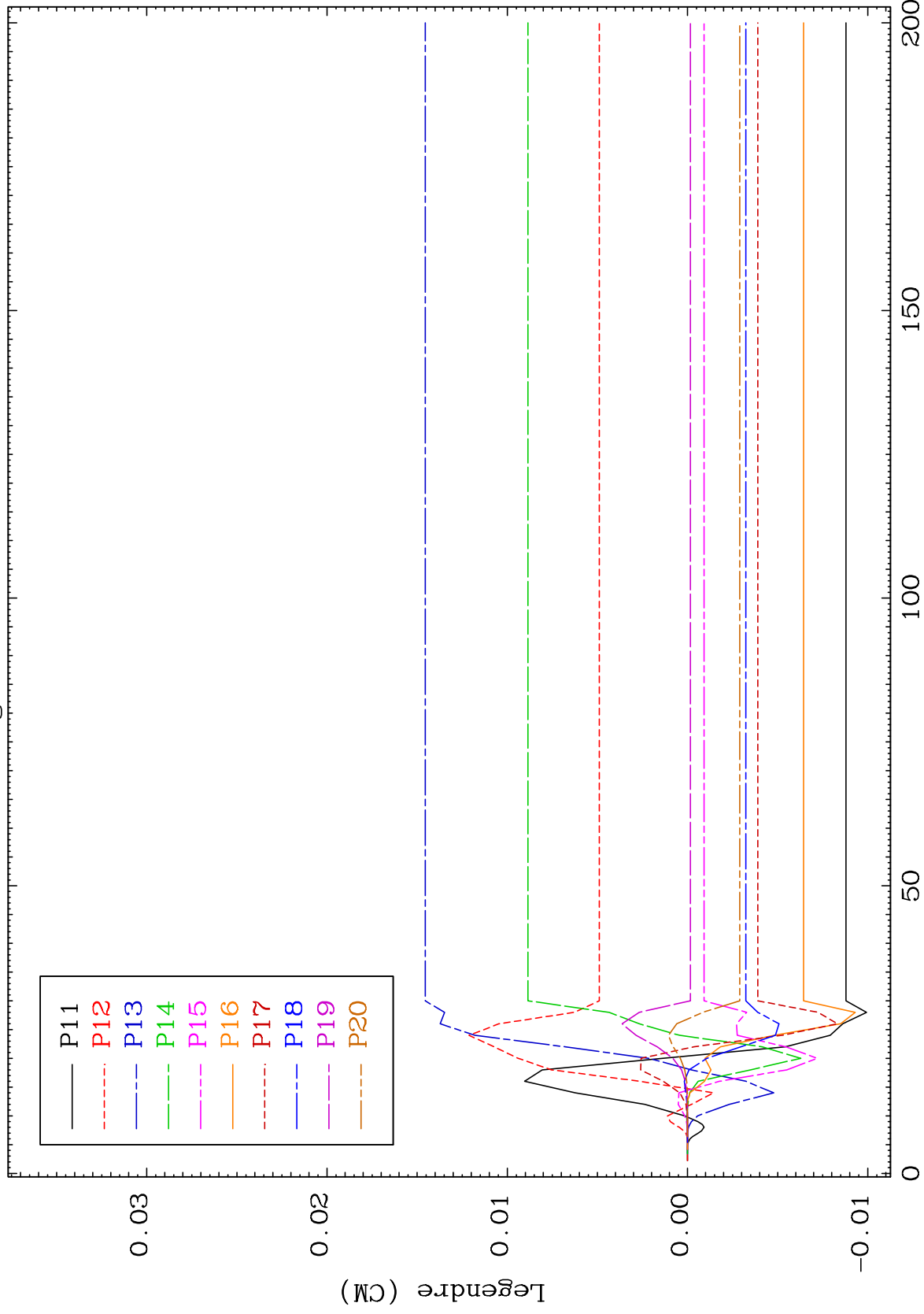




MAT 8216

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

82-Pb-201



57

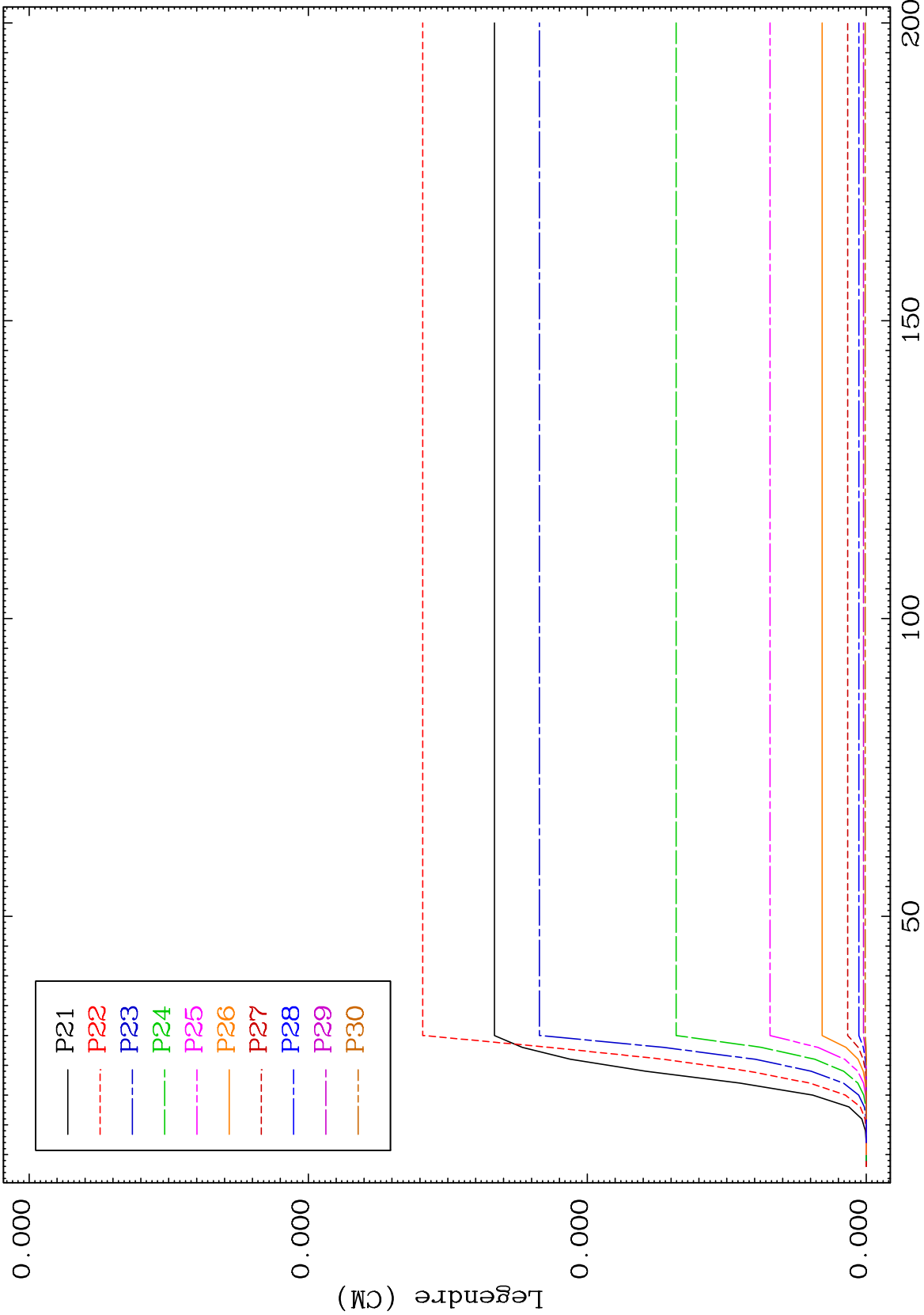
Incident Energy (MeV)

82-Pb-201

MAT 8216

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

82-Pb-201



58

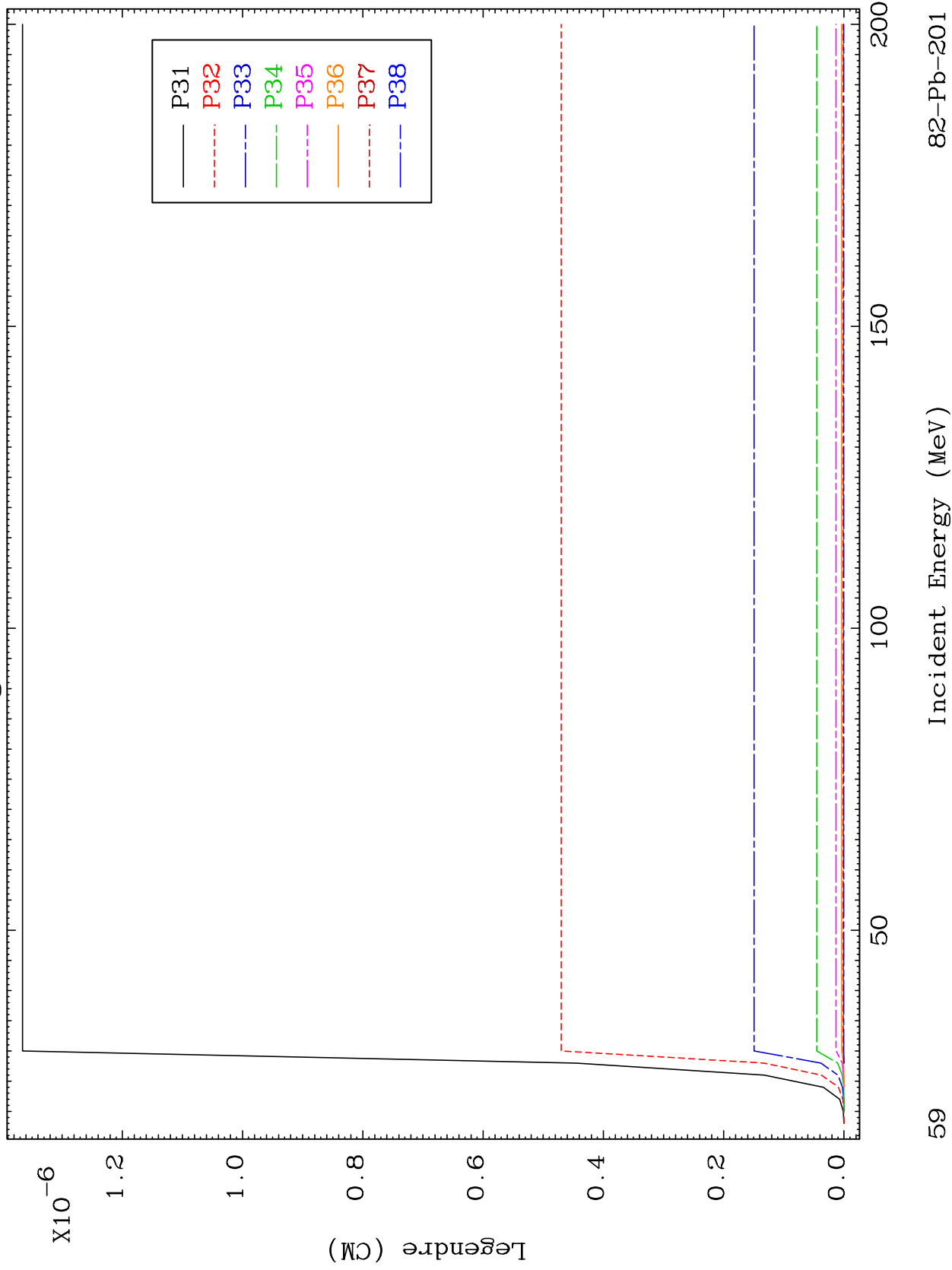
Incident Energy (MeV)

82-Pb-201

MAT 8216

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

82-Pb-201



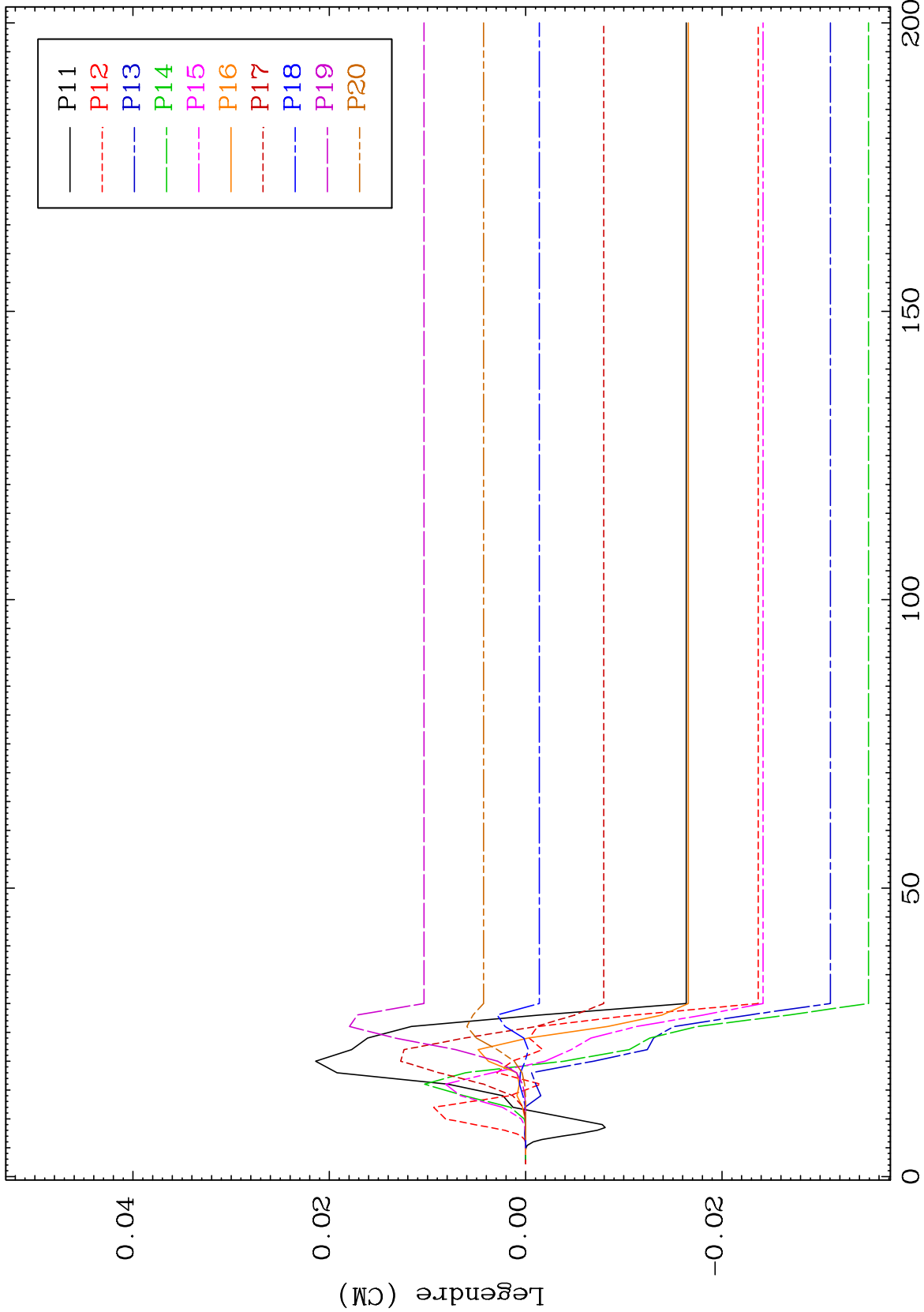
59

82-Pb-201

MAT 8216

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

82-Pb-201



61

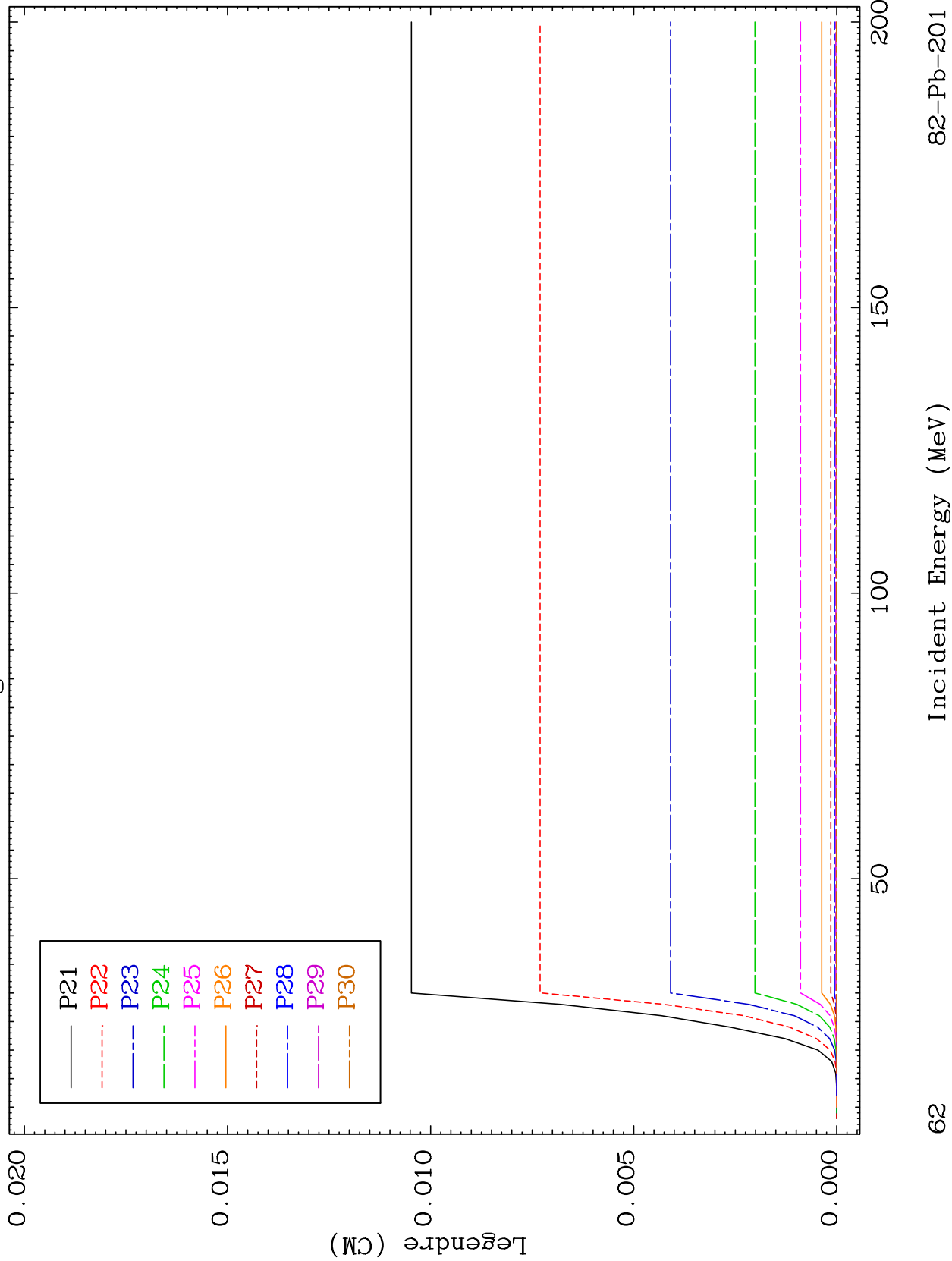
Incident Energy (MeV)

82-Pb-201

MAT 8216

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

82-Pb-201



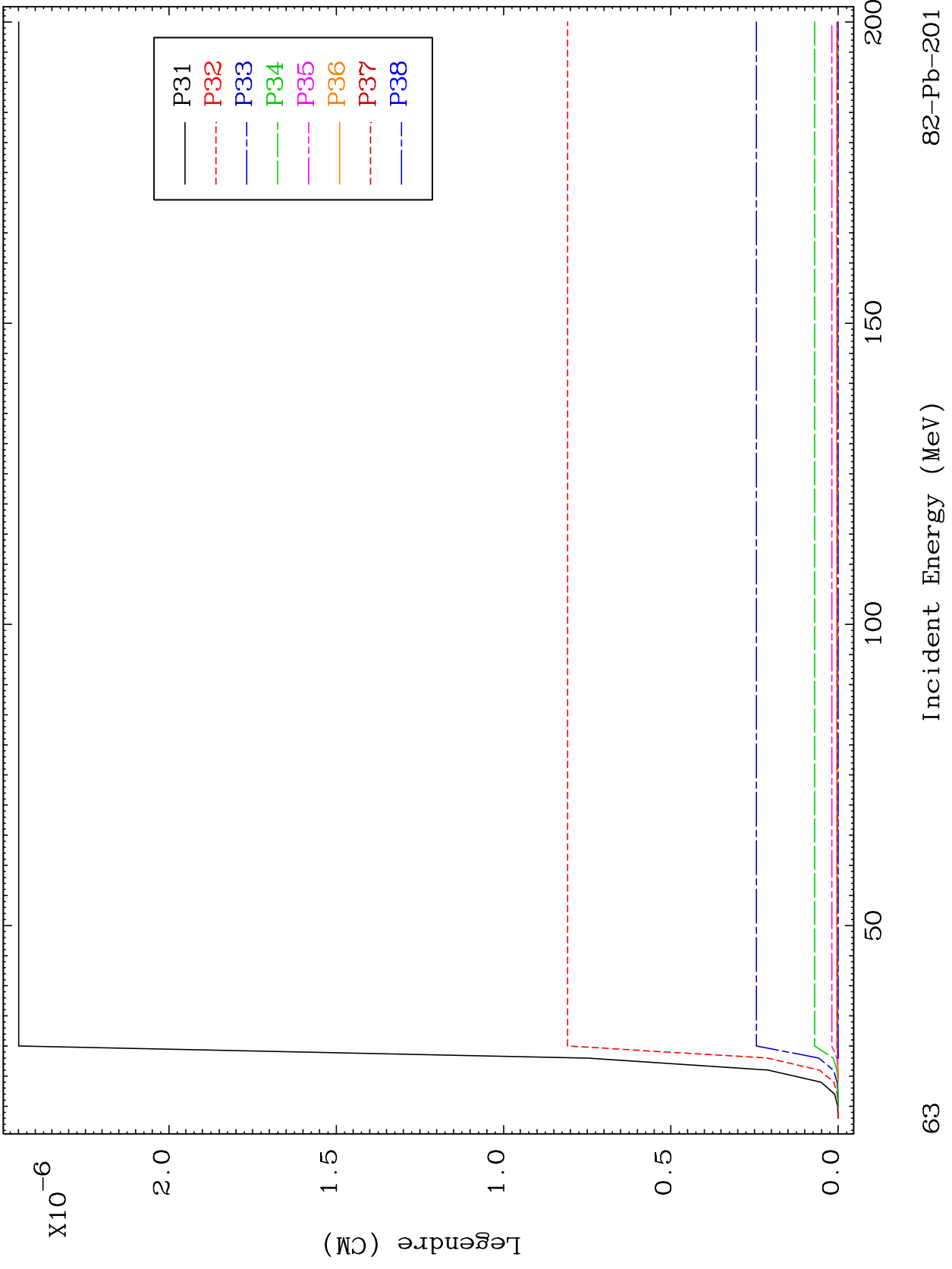
62

82-Pb-201

MAT 8216

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

82-Pb-201

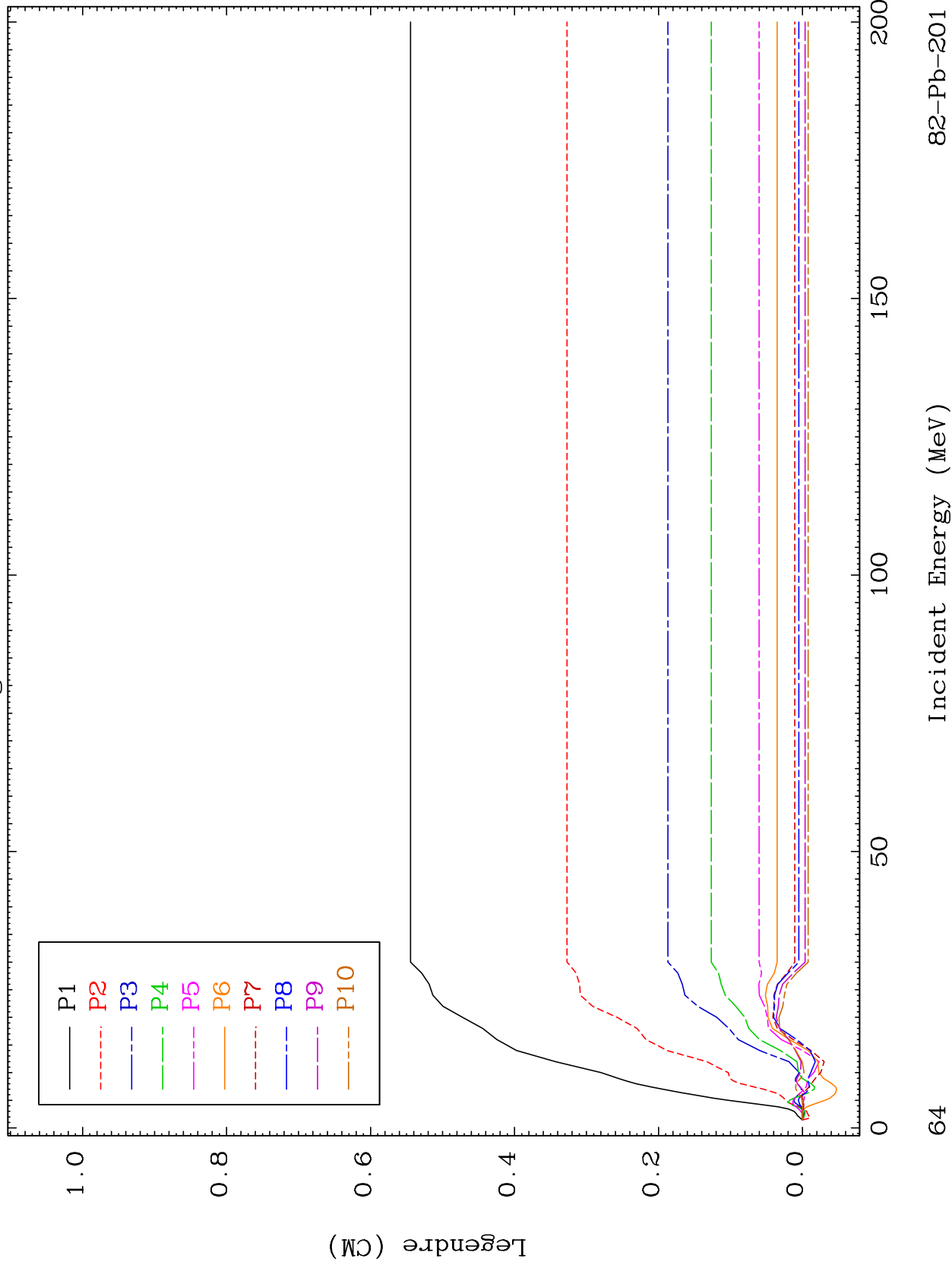


63

MAT 8216

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

82-Pb-201

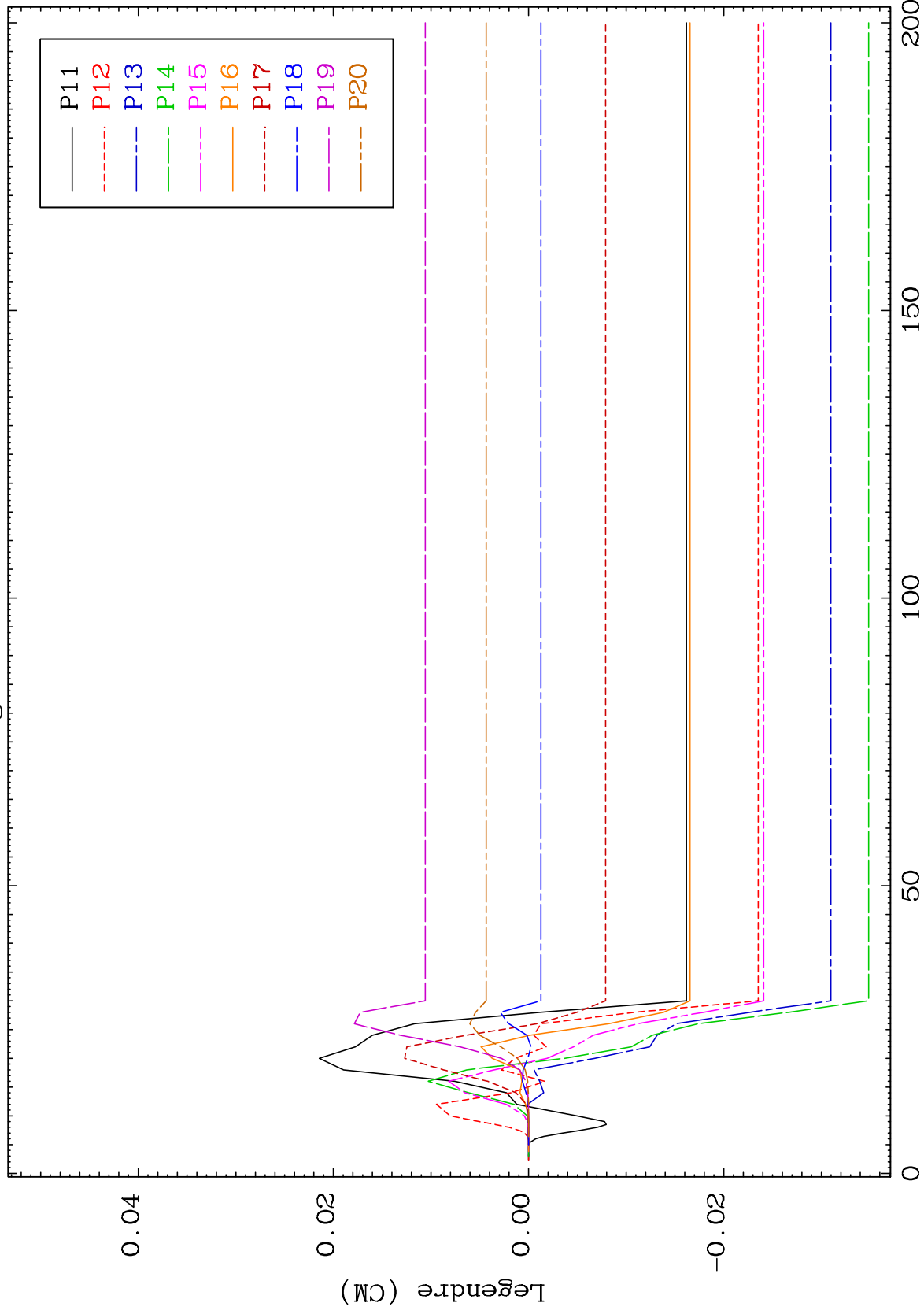


64

MAT 8216

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

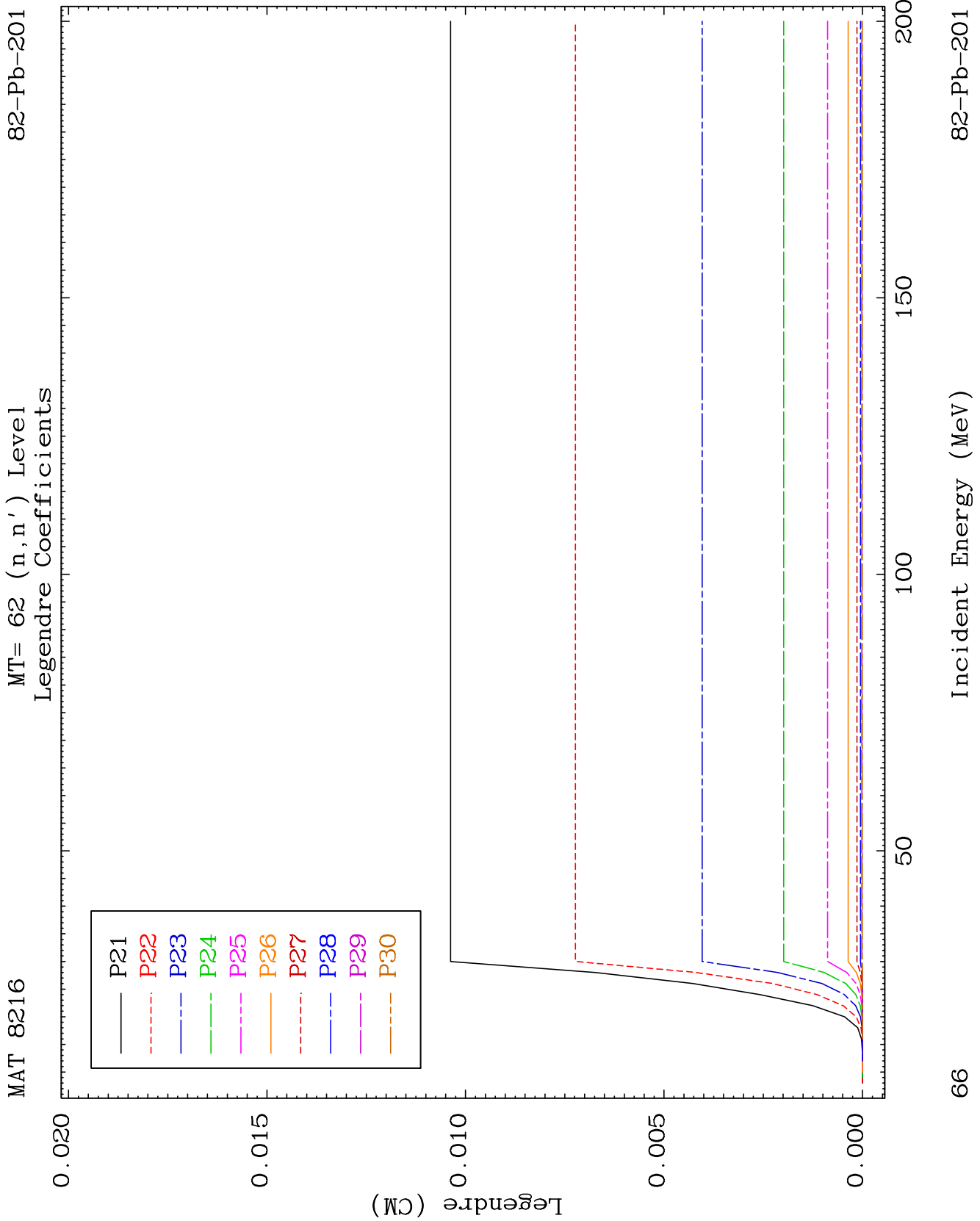
82-Pb-201



65

Incident Energy (MeV)

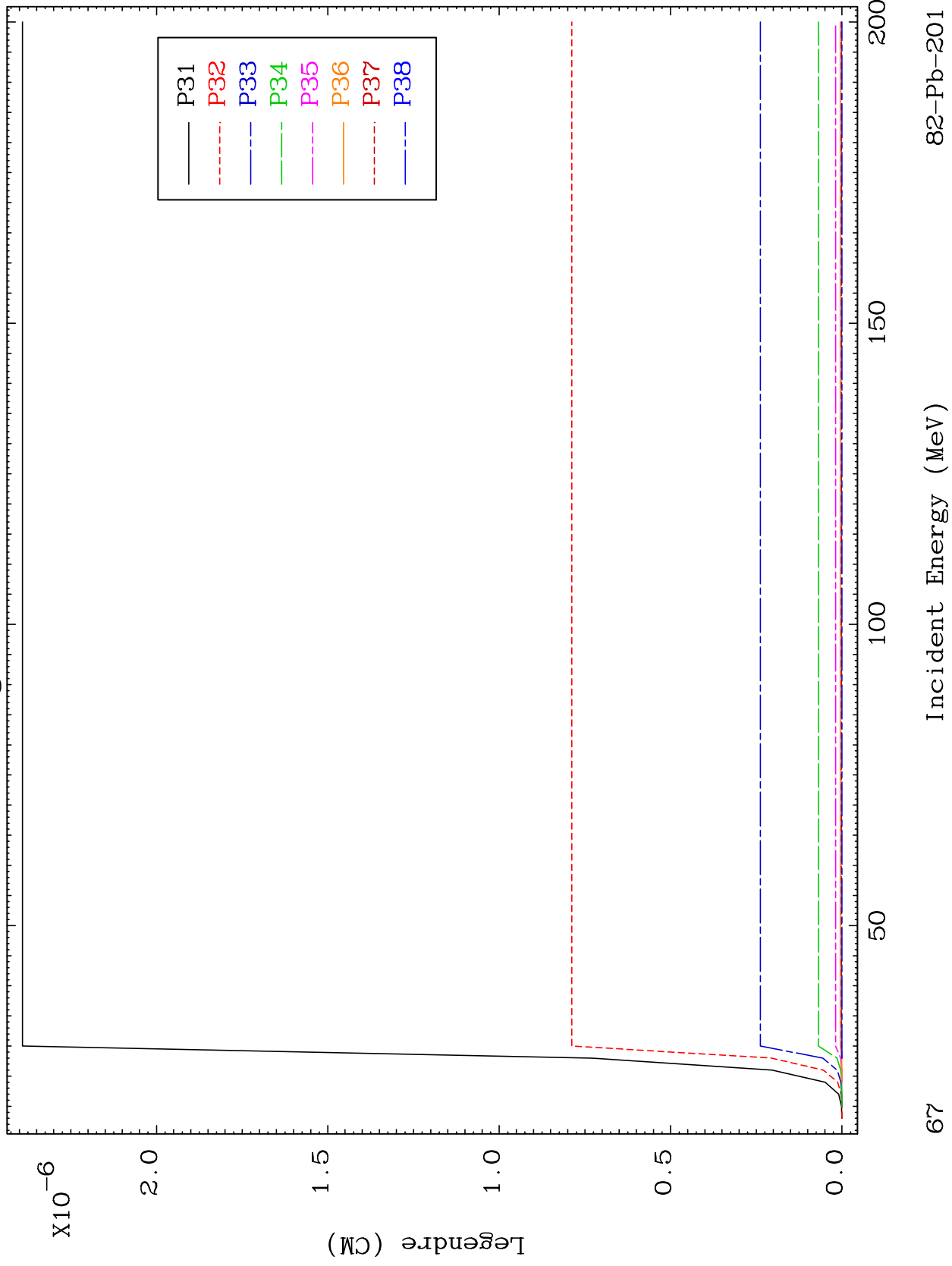
82-Pb-201

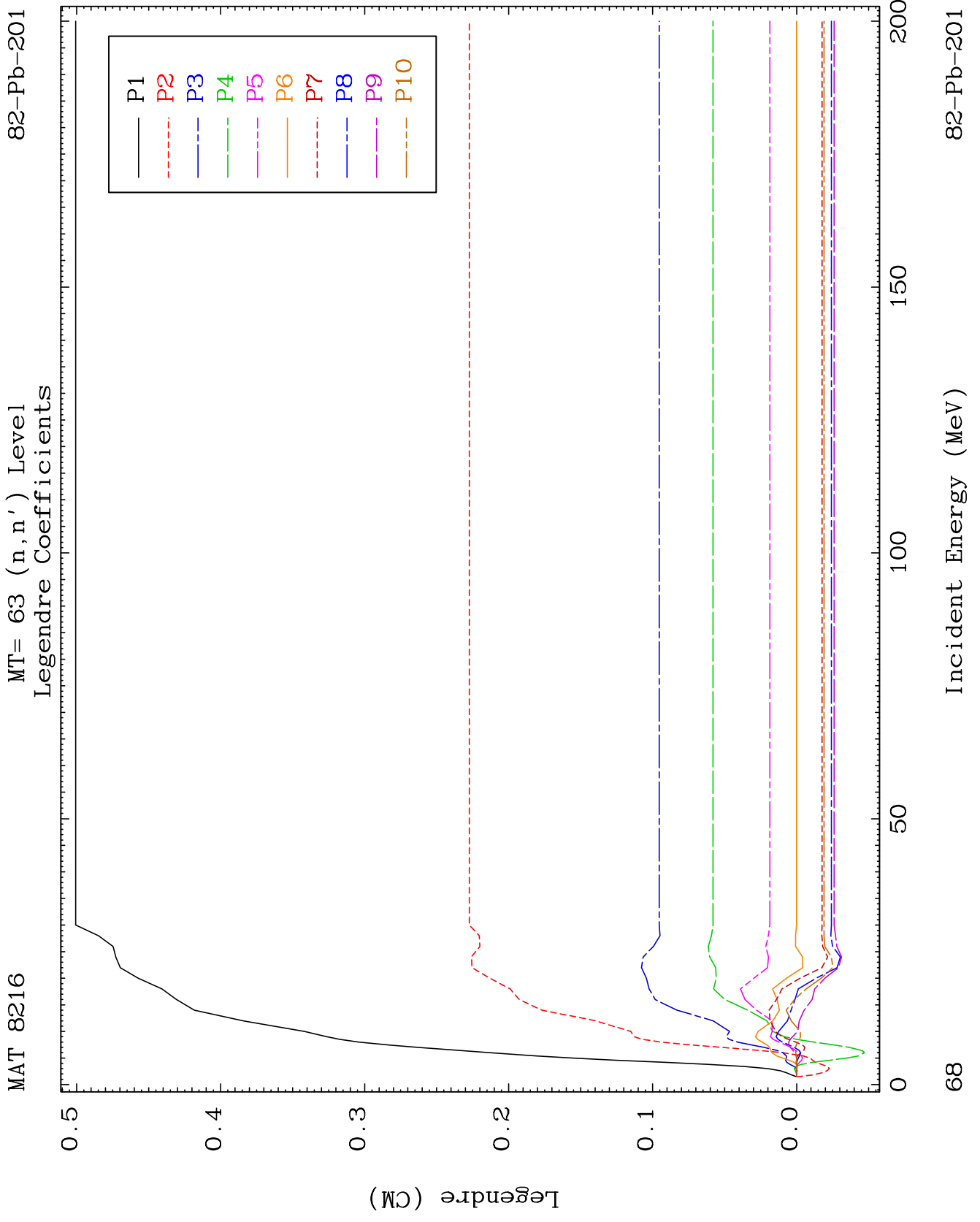


MAT 8216

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

82-Pb-201

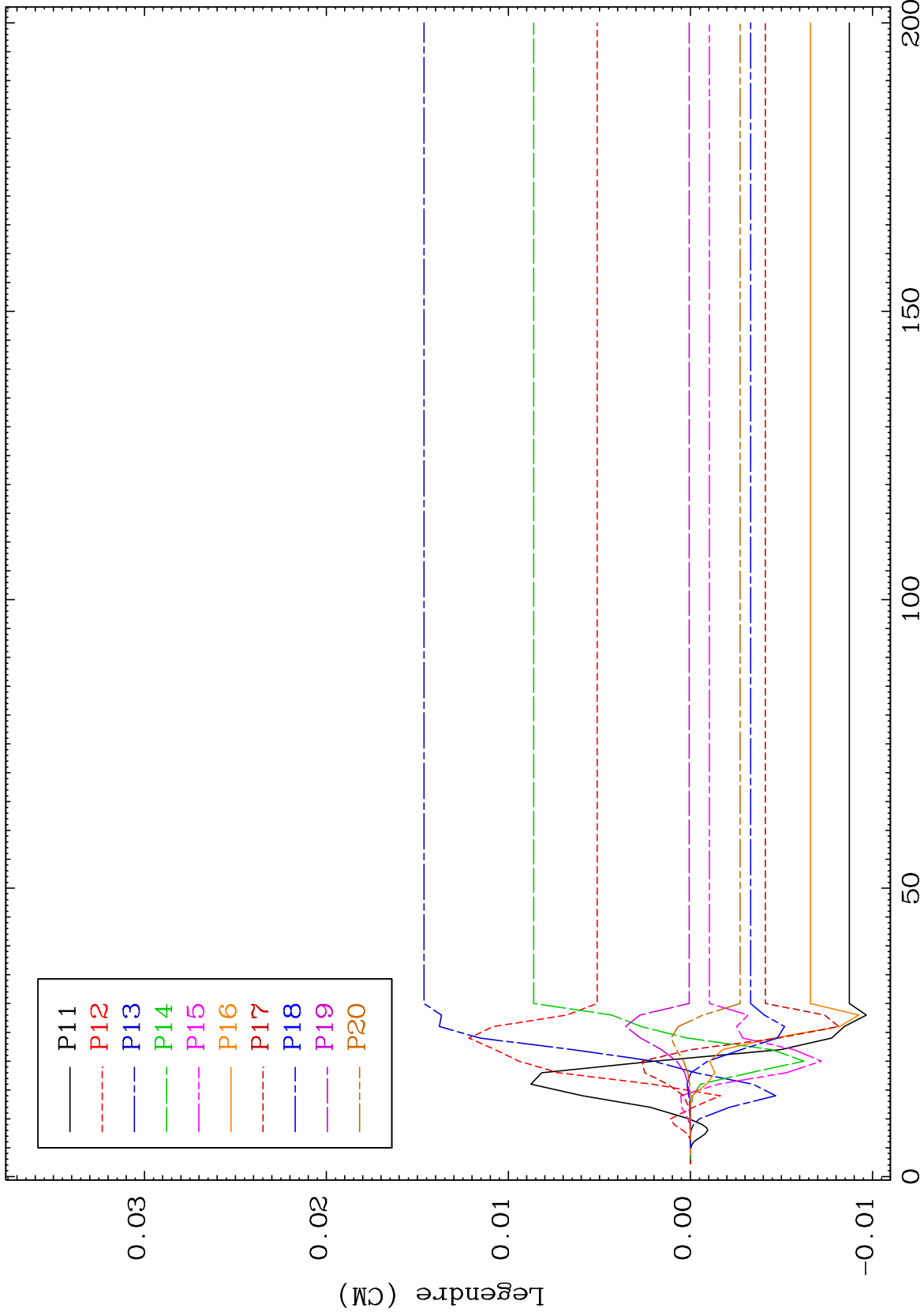




MAT 8216

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

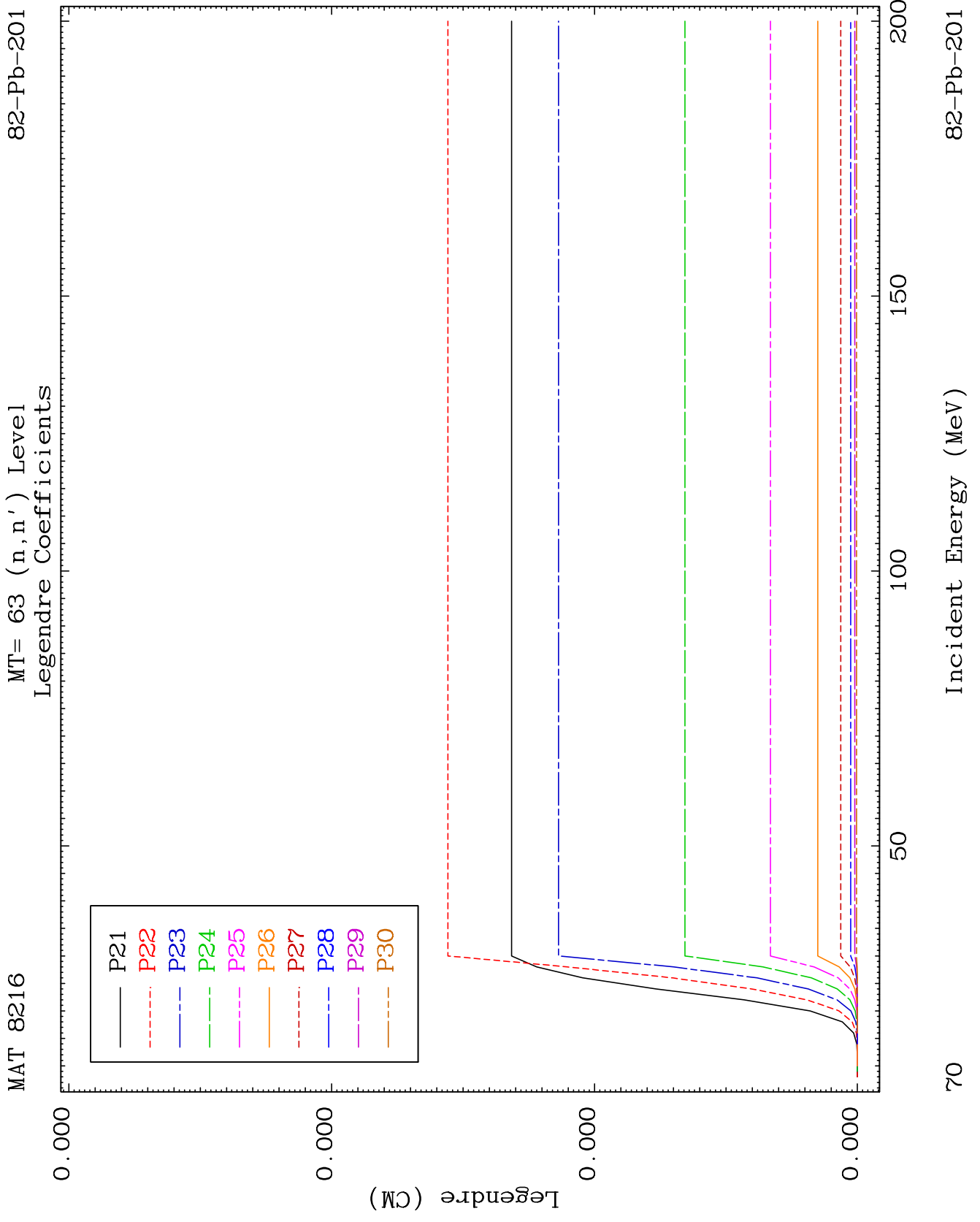
82-Pb-201



69

Incident Energy (MeV)

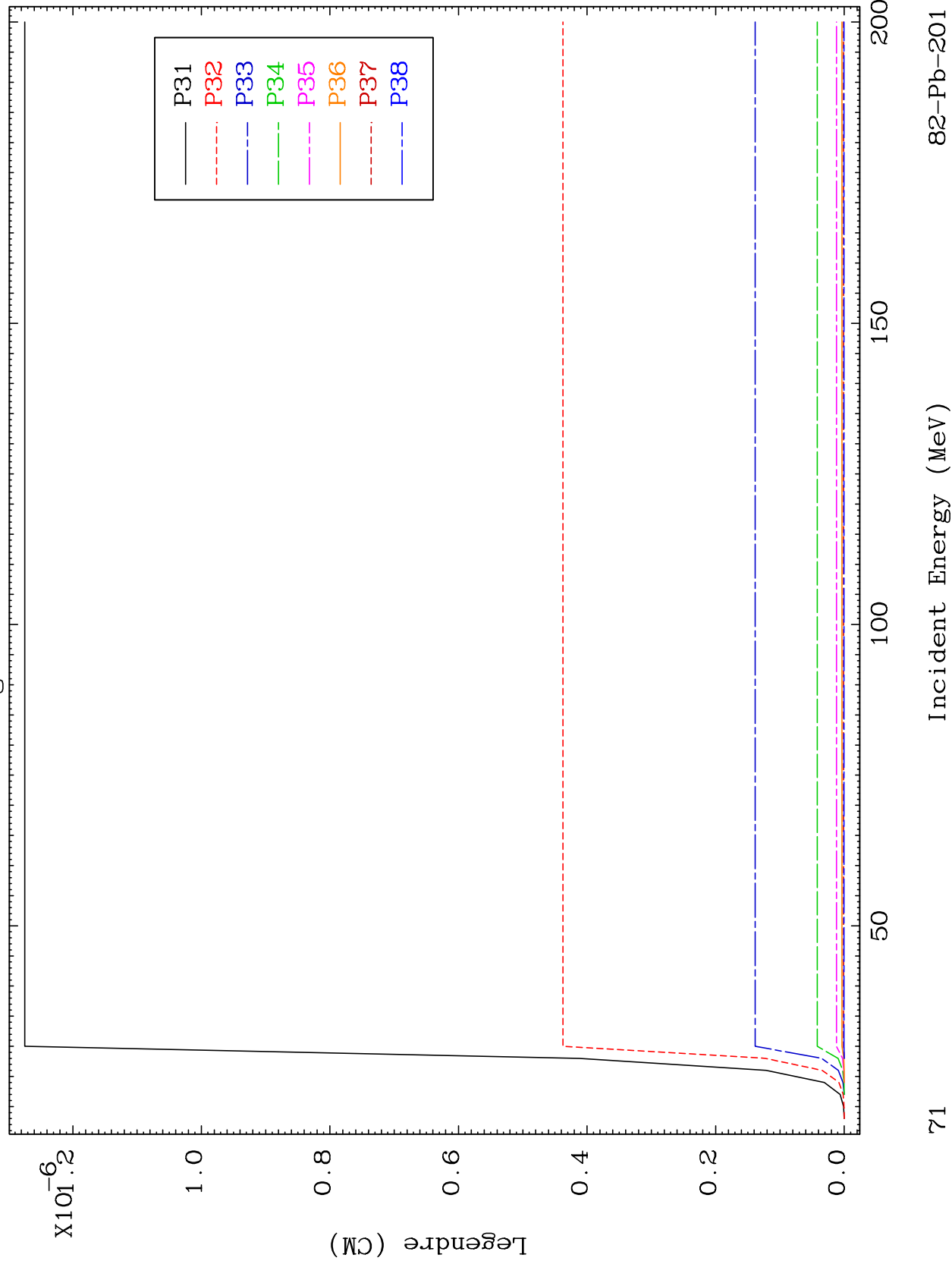
82-Pb-201



MAT 8216

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

82-Pb-201



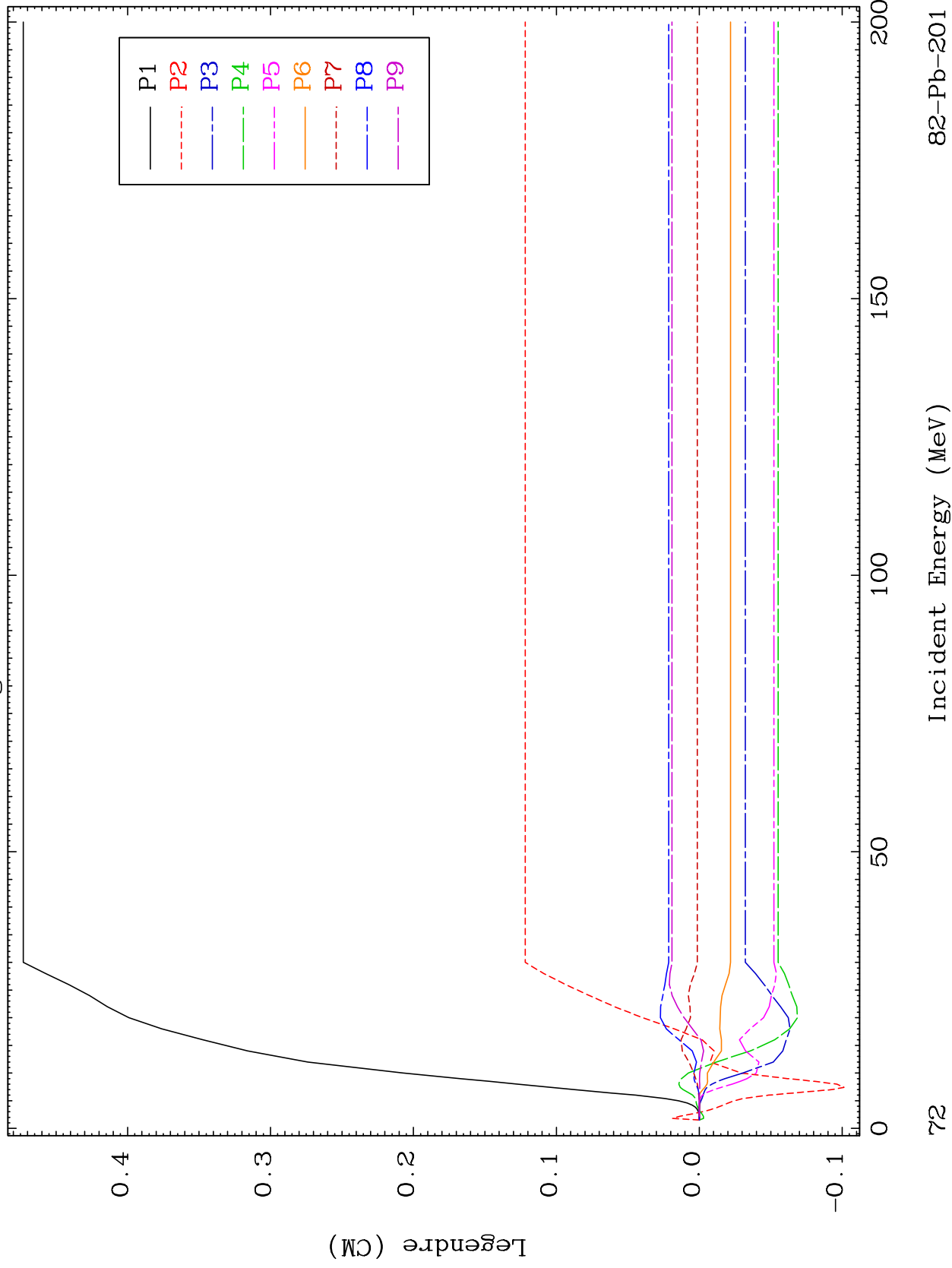
71

82-Pb-201

MAT 8216

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

82-Pb-201



72

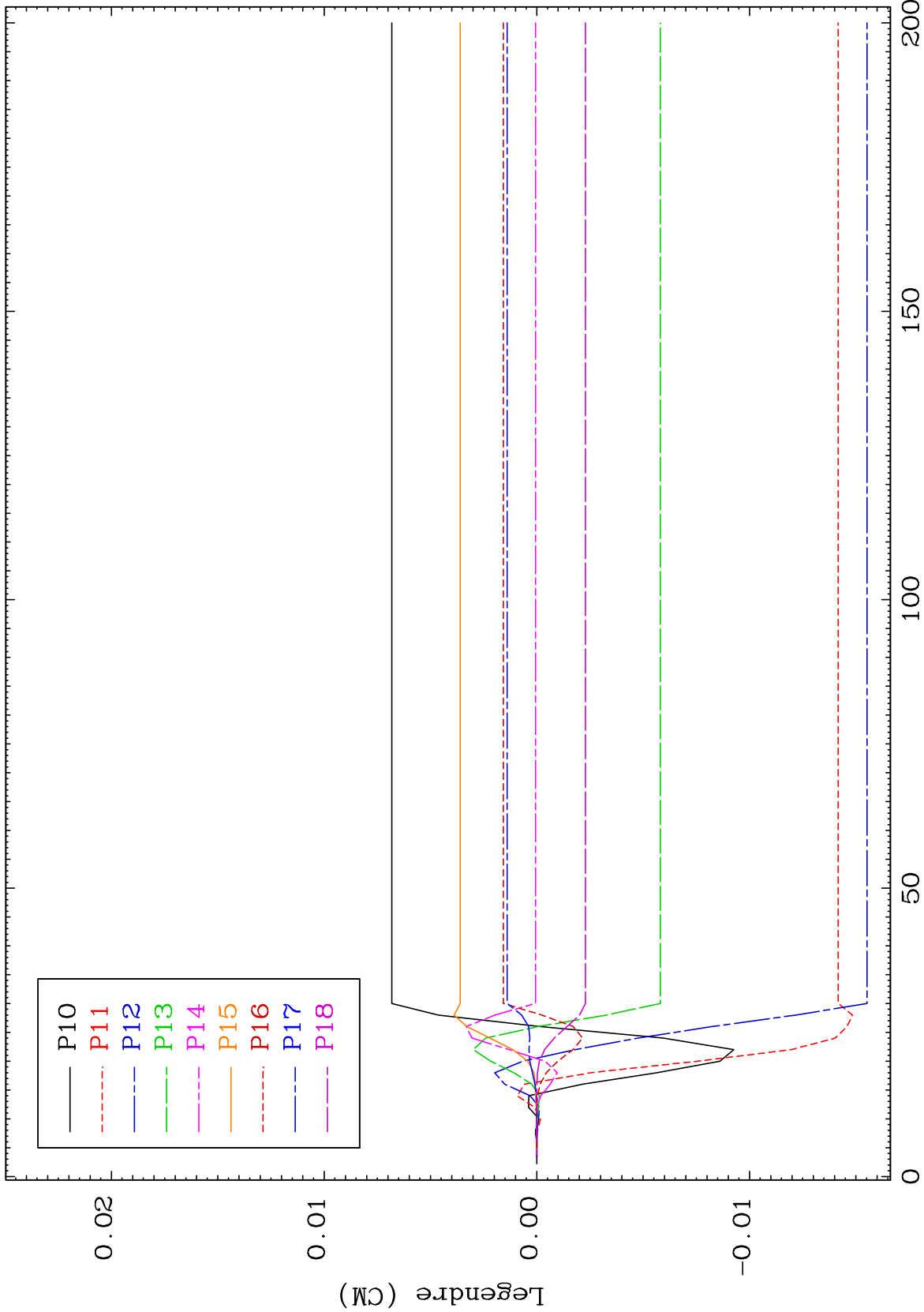
Incident Energy (MeV)

82-Pb-201

MAT 8216

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

82-Pb-201



73

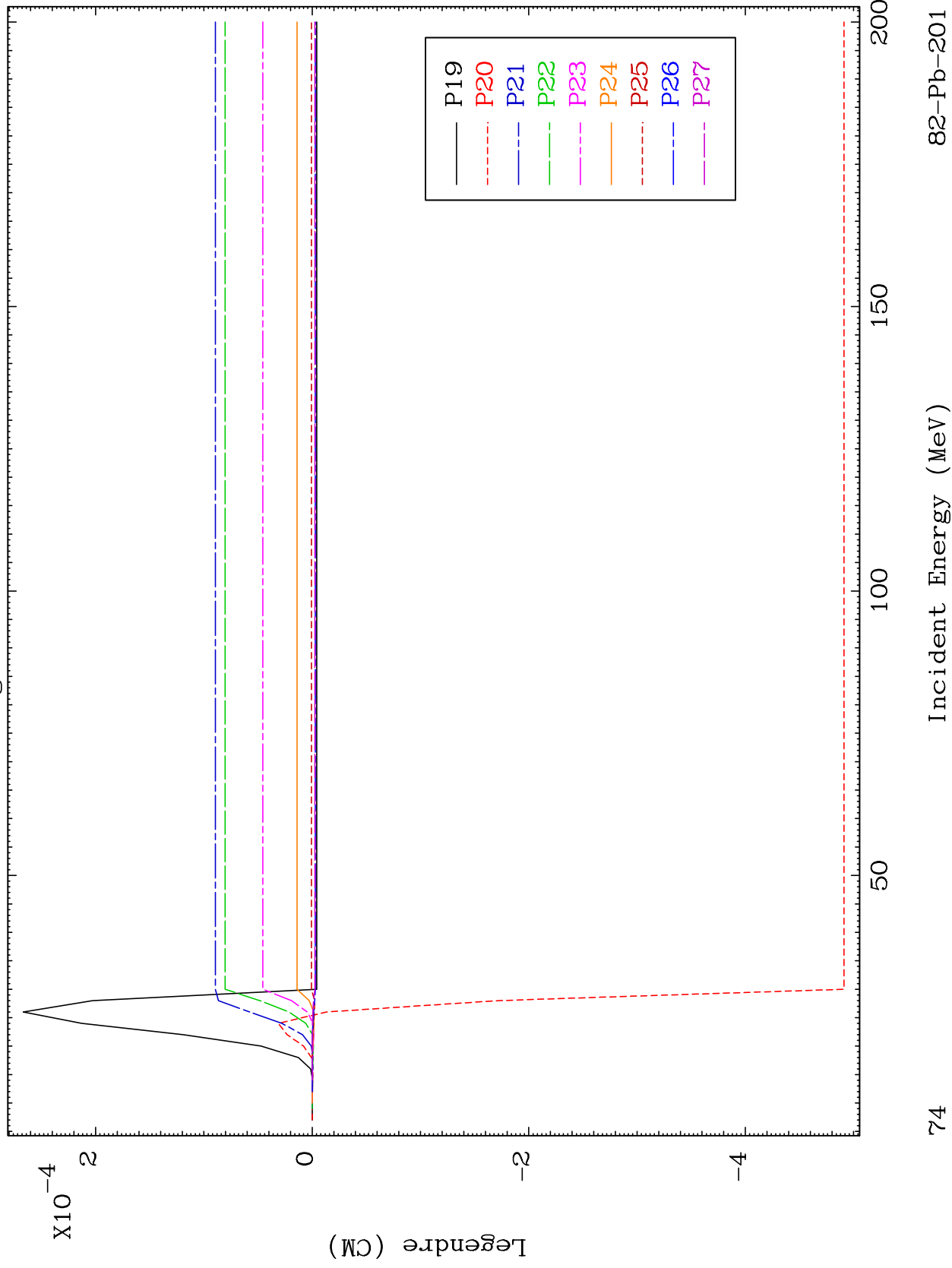
Incident Energy (MeV)

82-Pb-201

MAT 8216

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

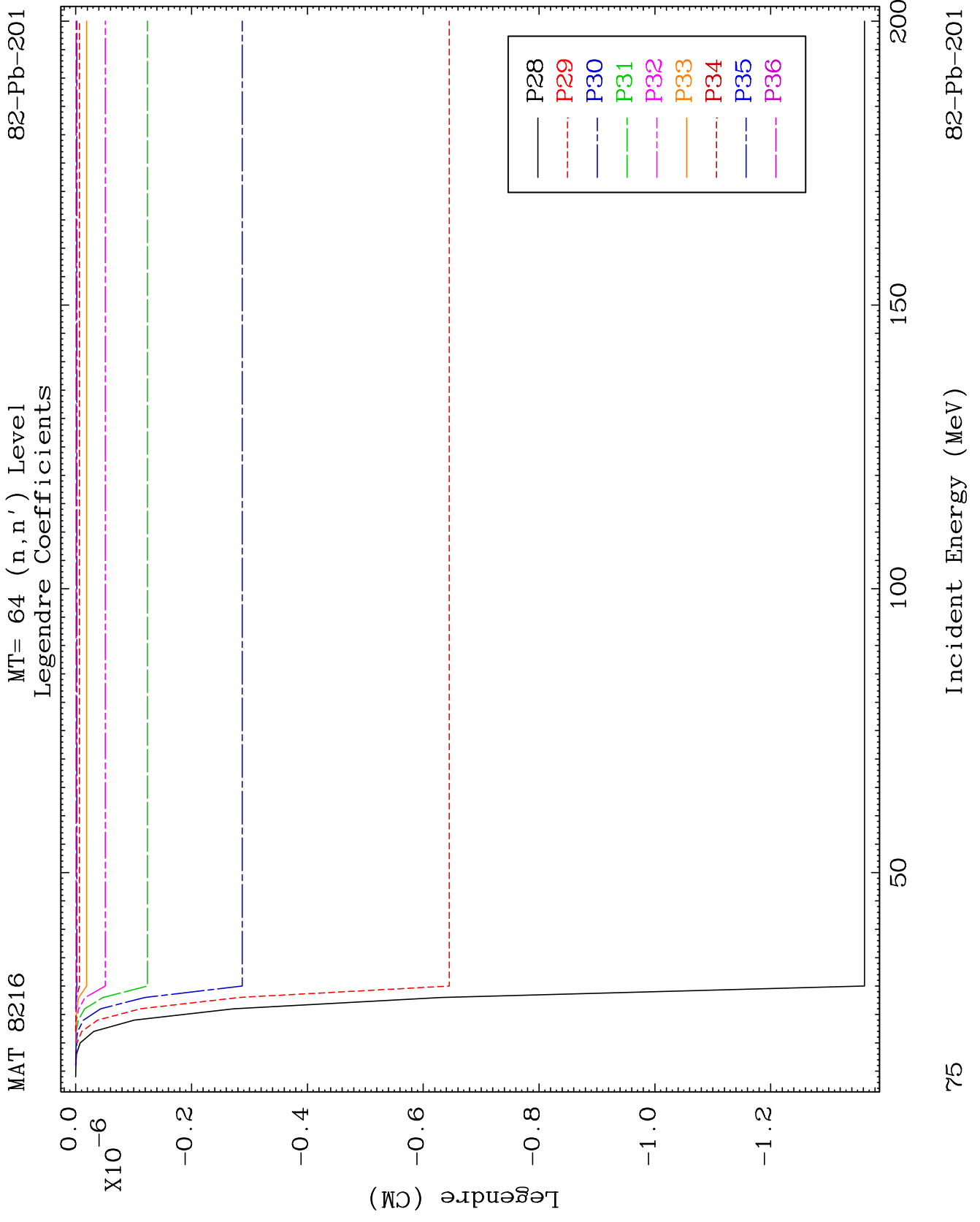
82-Pb-201



74

Incident Energy (MeV)

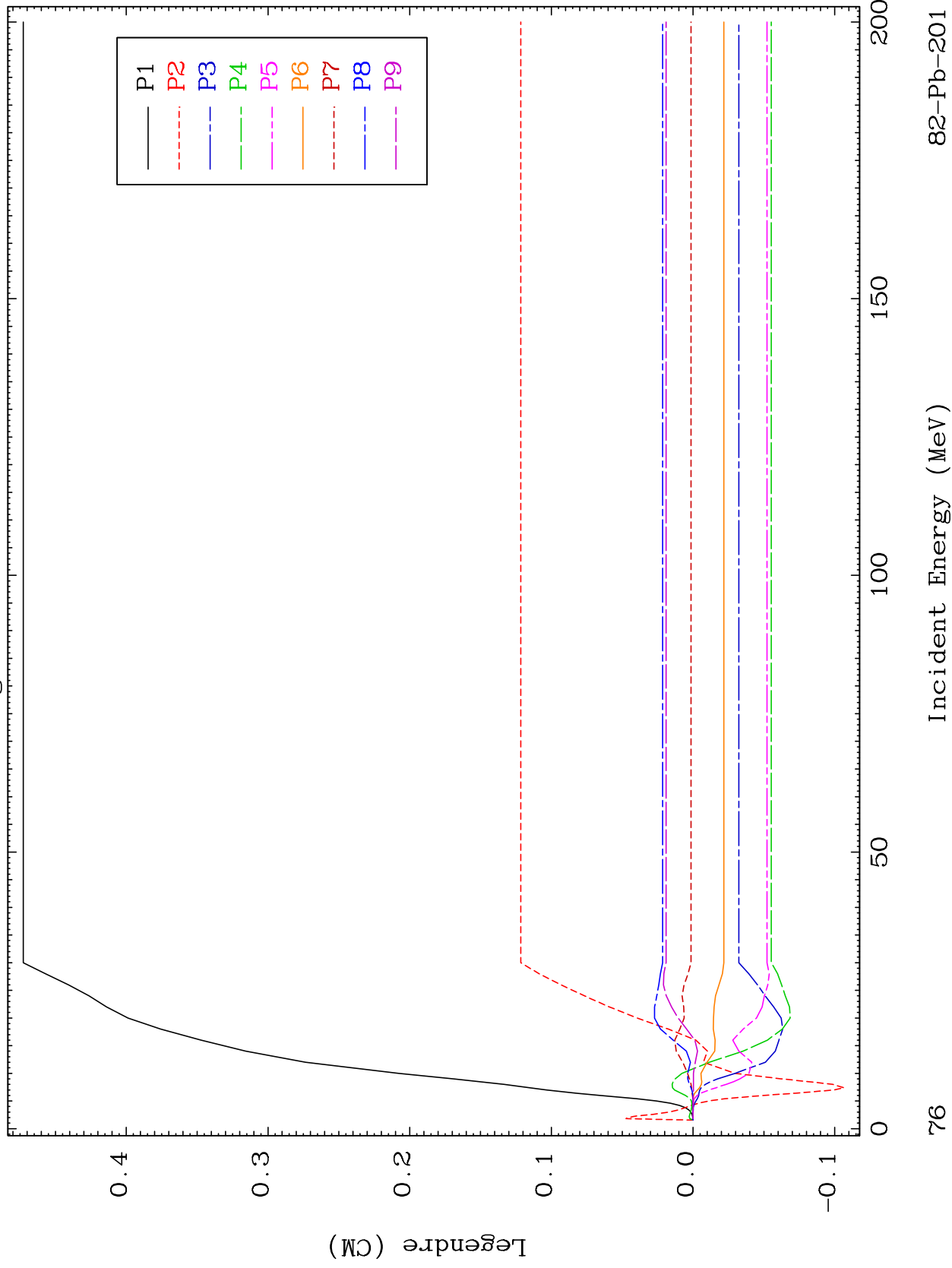
82-Pb-201



MAT 8216

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

82-Pb-201



82-Pb-201

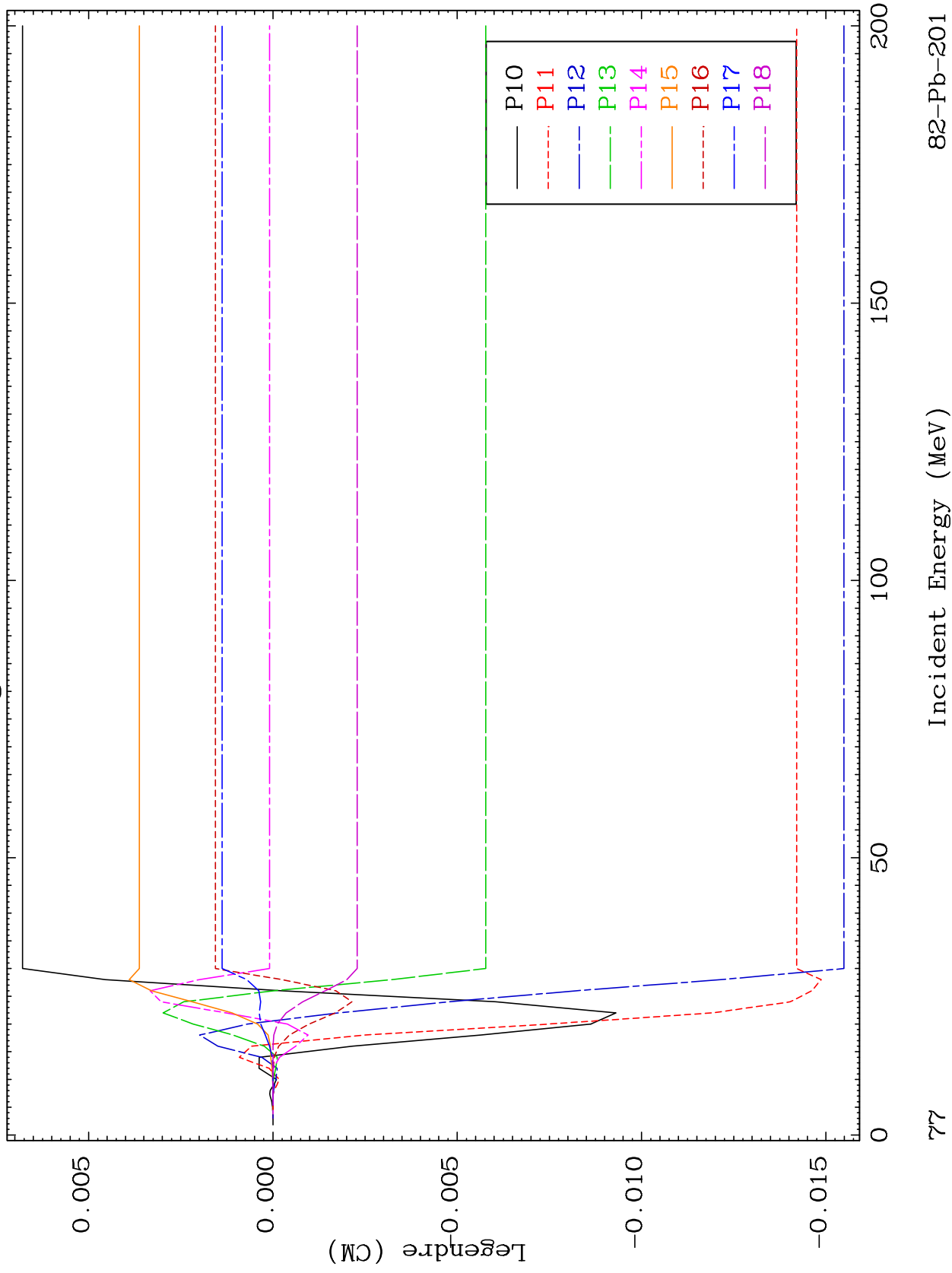
Incident Energy (MeV)

76

MAT 8216

82-Pb-201

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



77

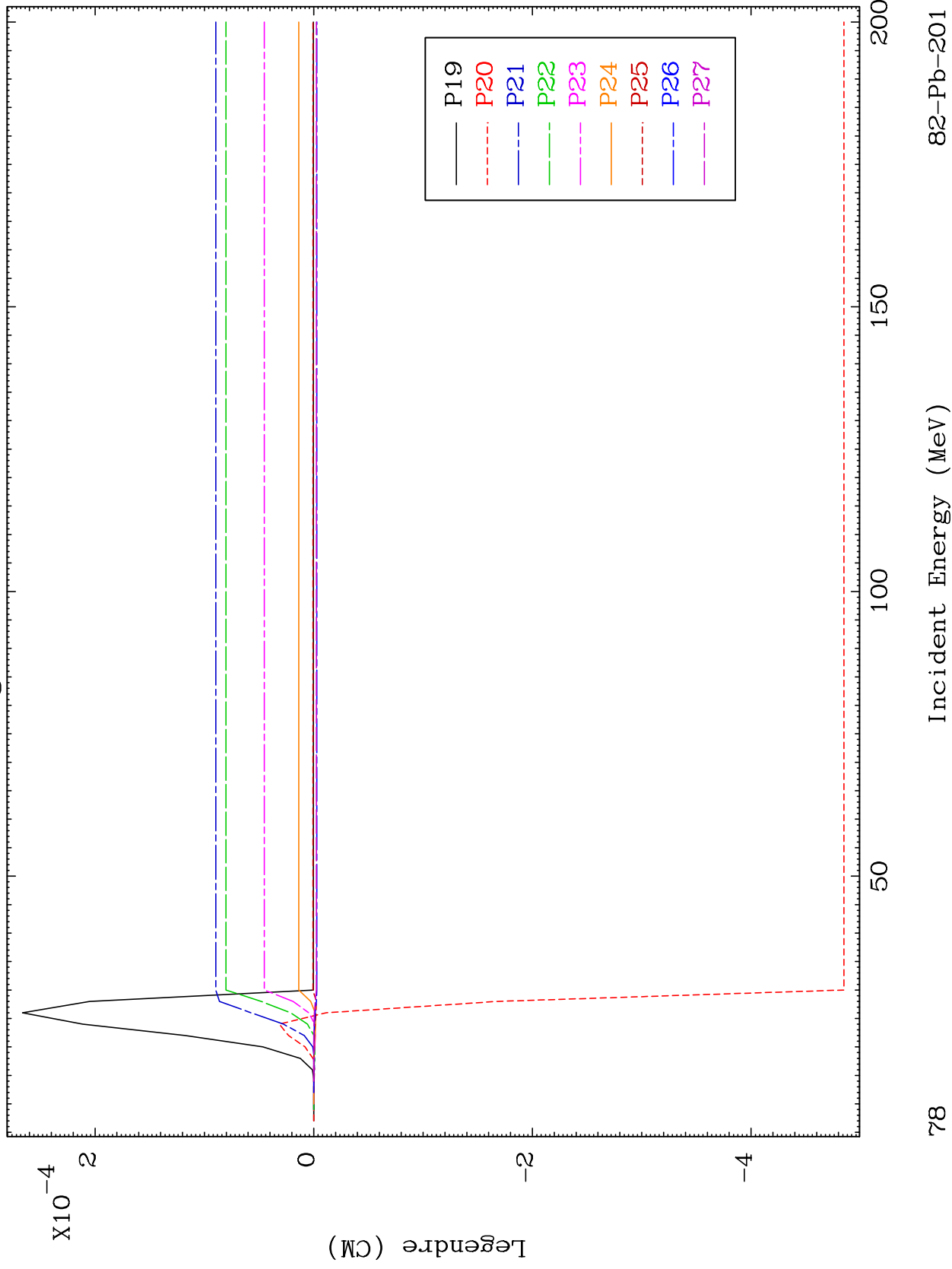
Incident Energy (MeV)

82-Pb-201

MAT 8216

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

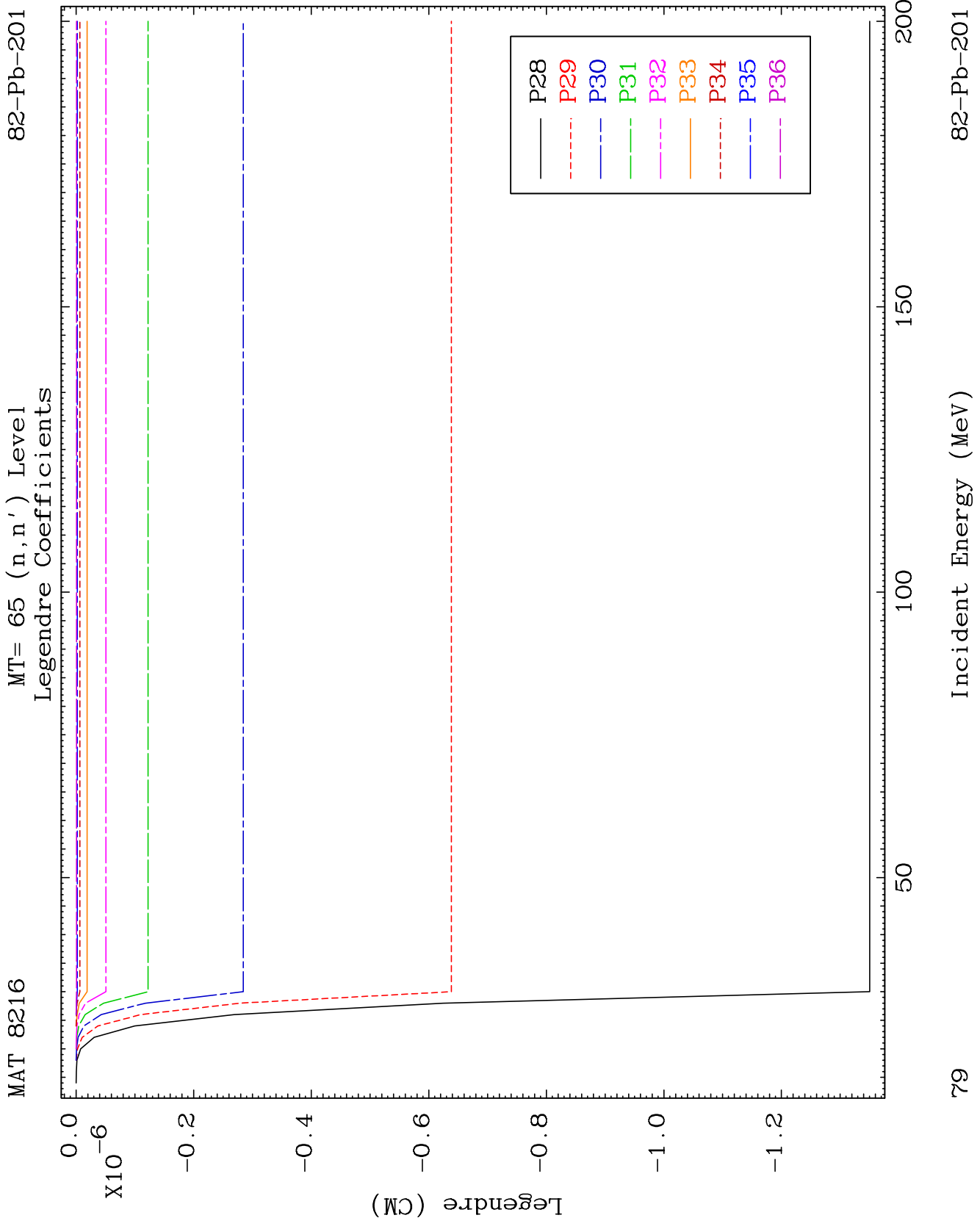
82-Pb-201



78

Incident Energy (MeV)

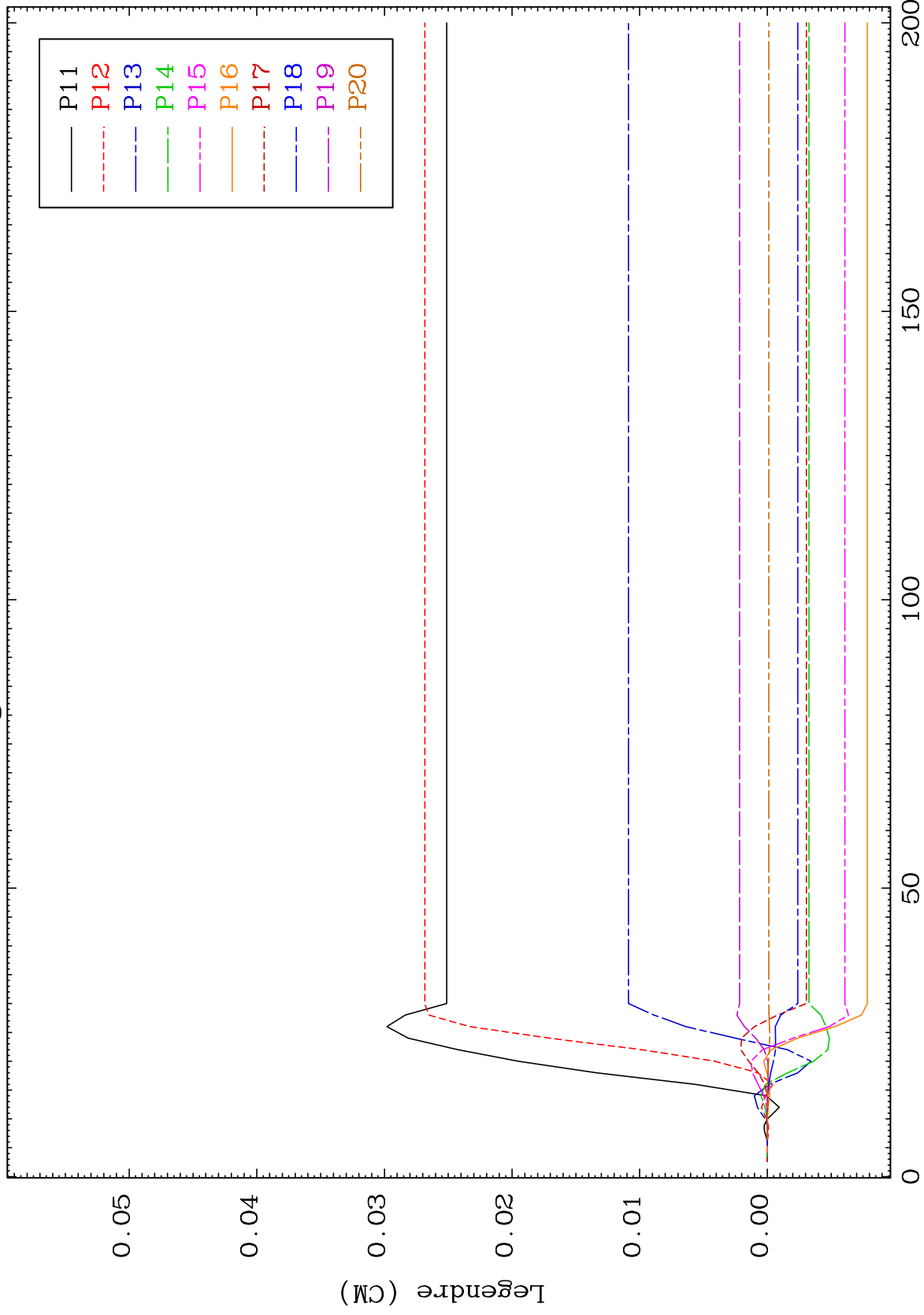
82-Pb-201



MAT 8216

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

82-Pb-201



81

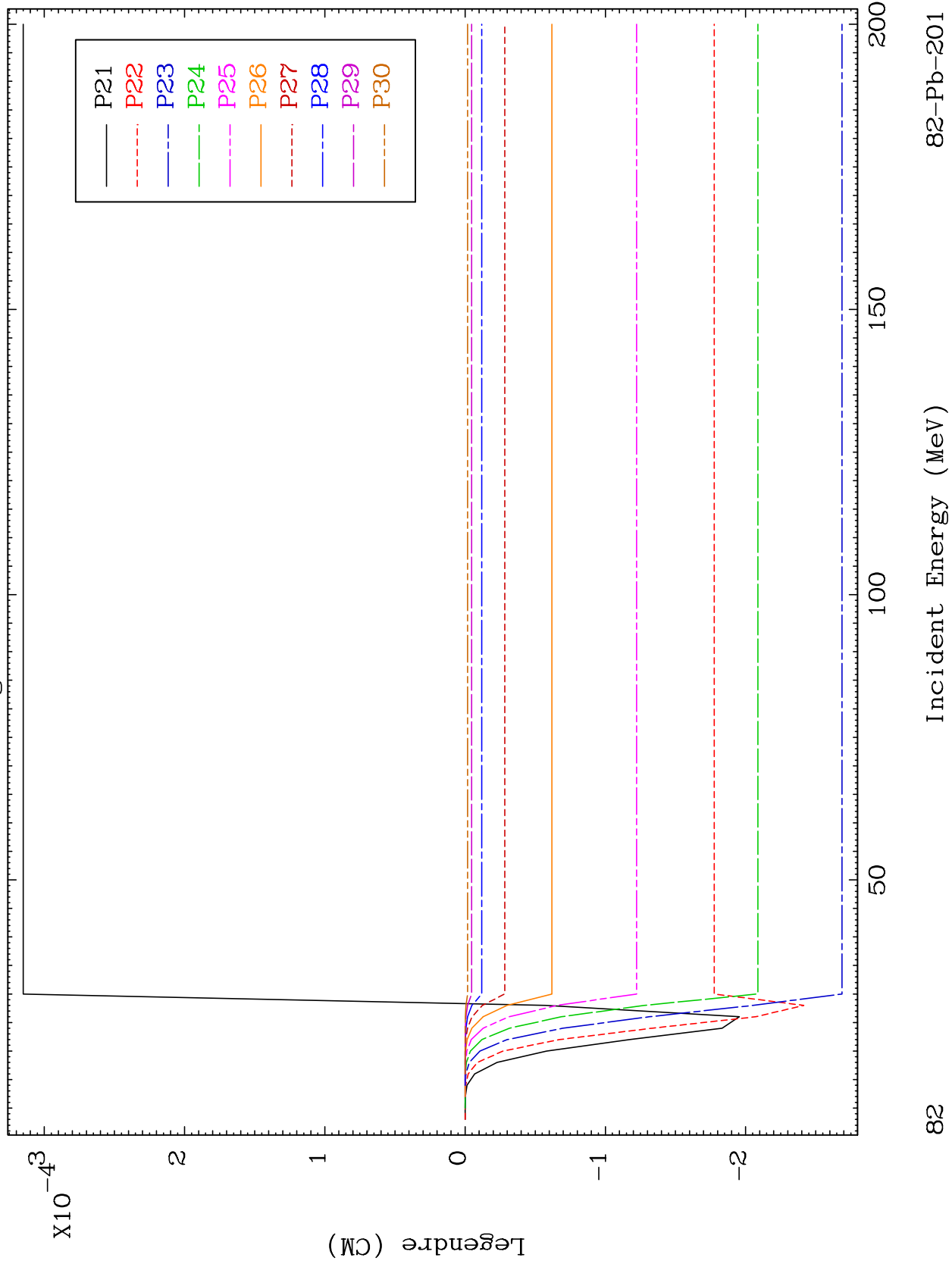
Incident Energy (MeV)

82-Pb-201

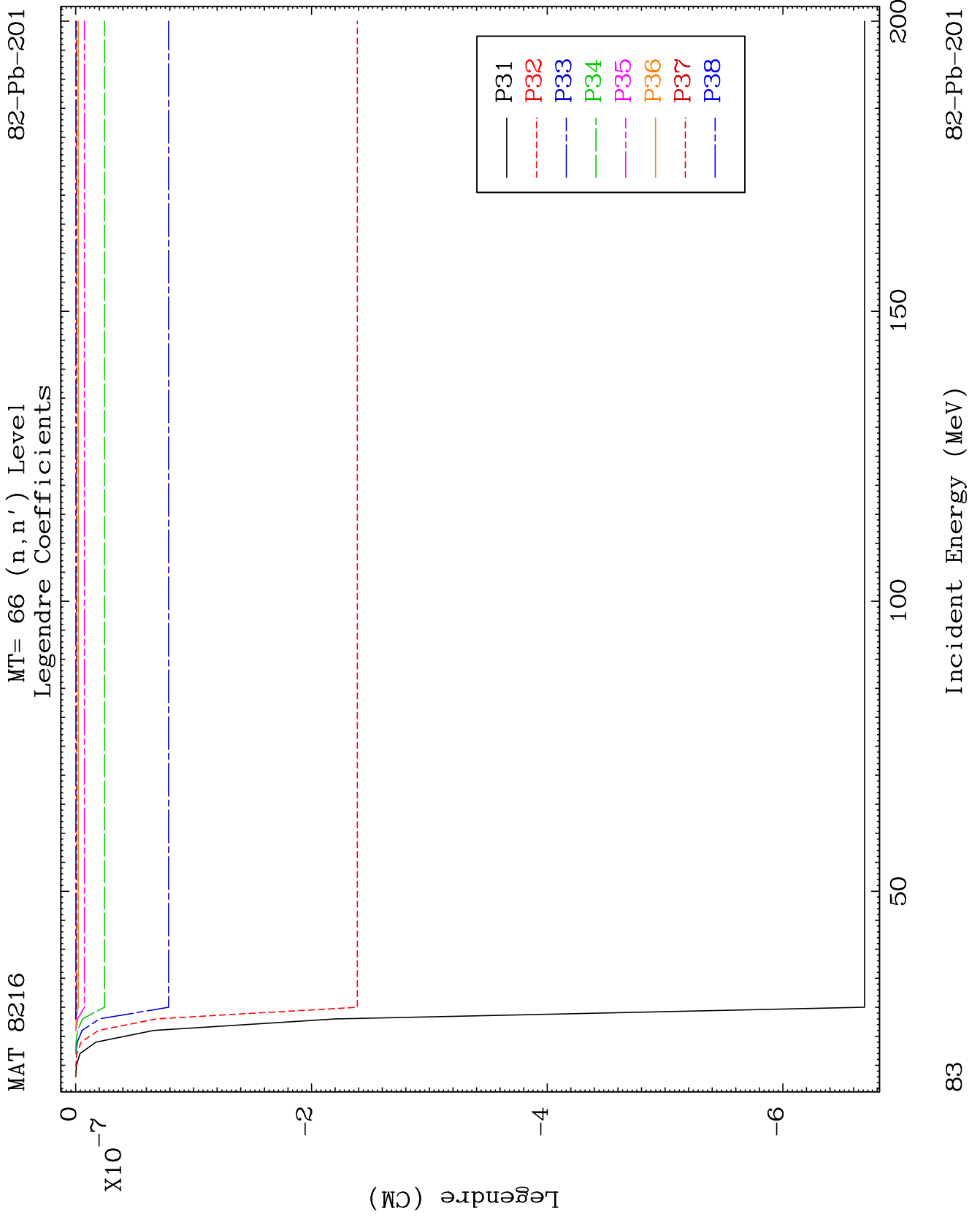
MAT 8216

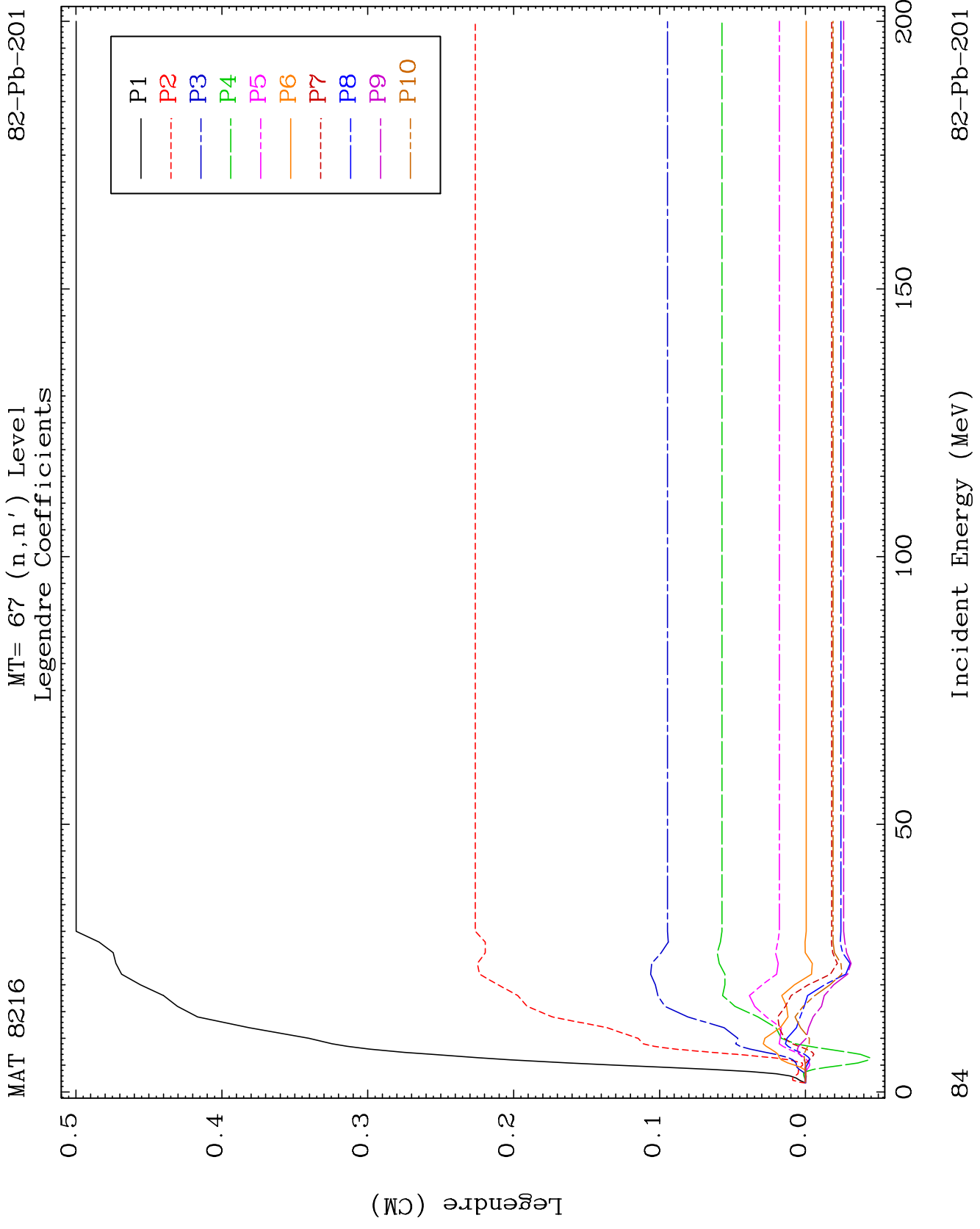
MT= 66 (n,n') Level
Legendre Coefficients

82-Pb-201



82

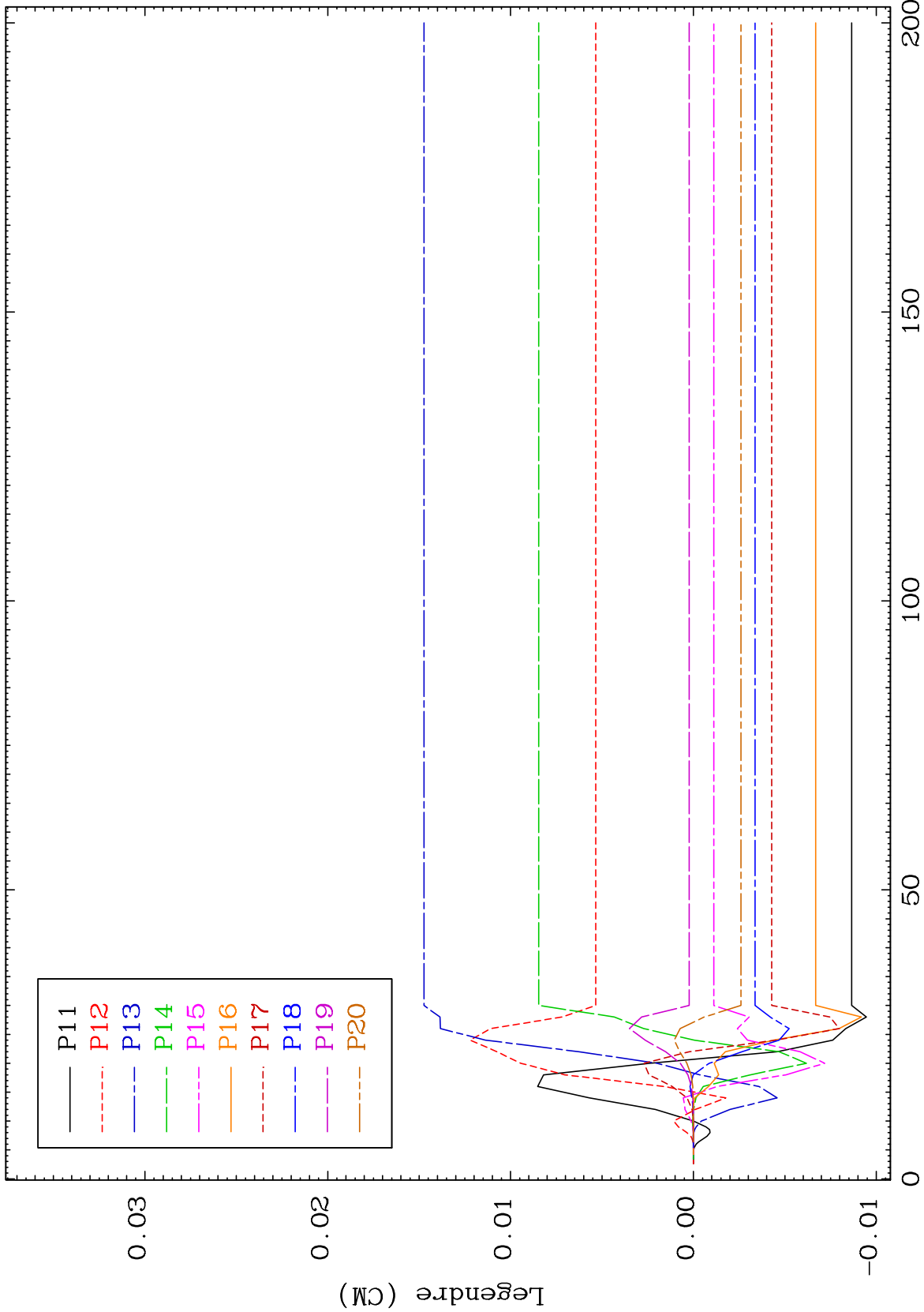




MAT 8216

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

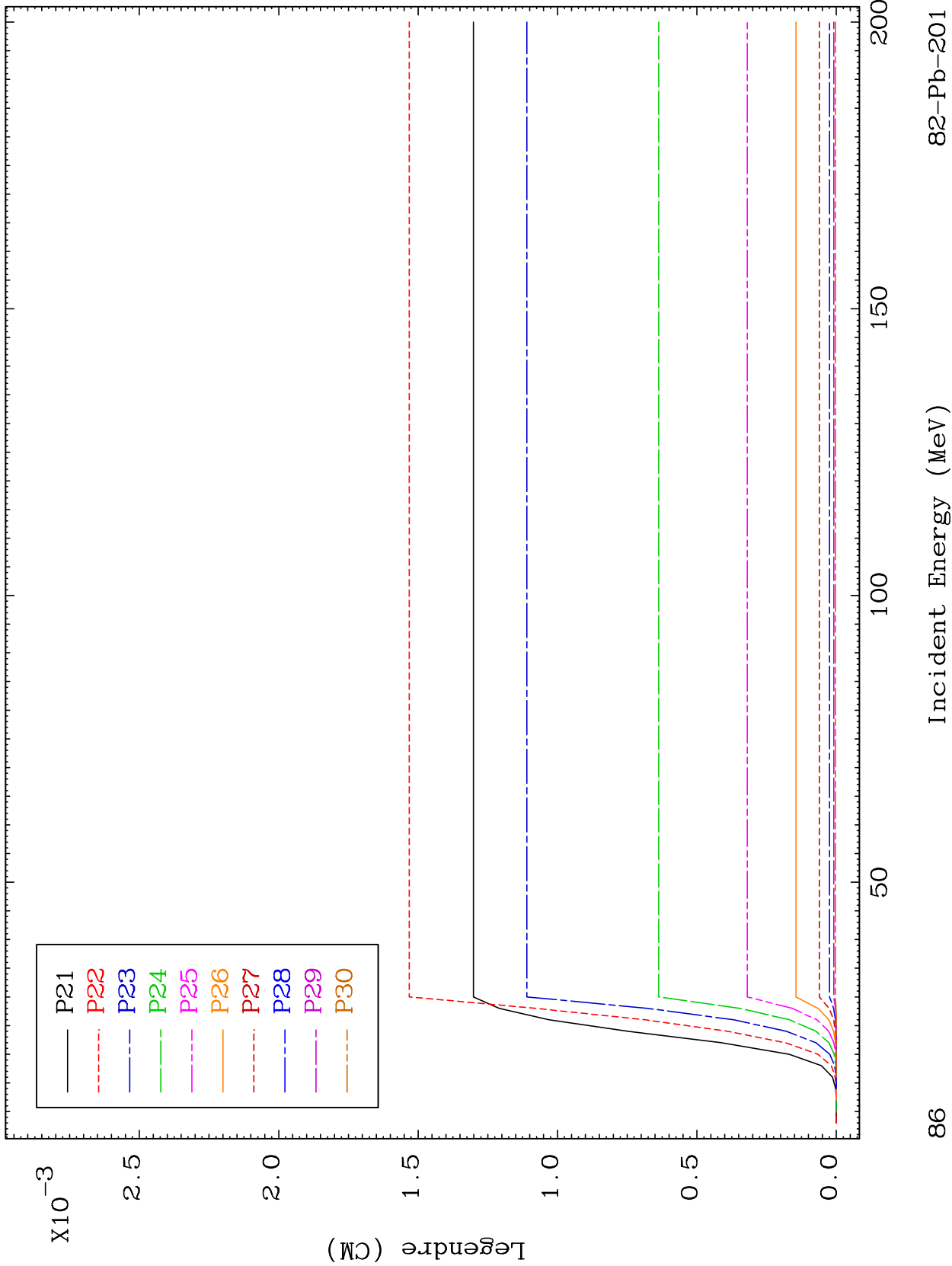
82-Pb-201



85

Incident Energy (MeV)

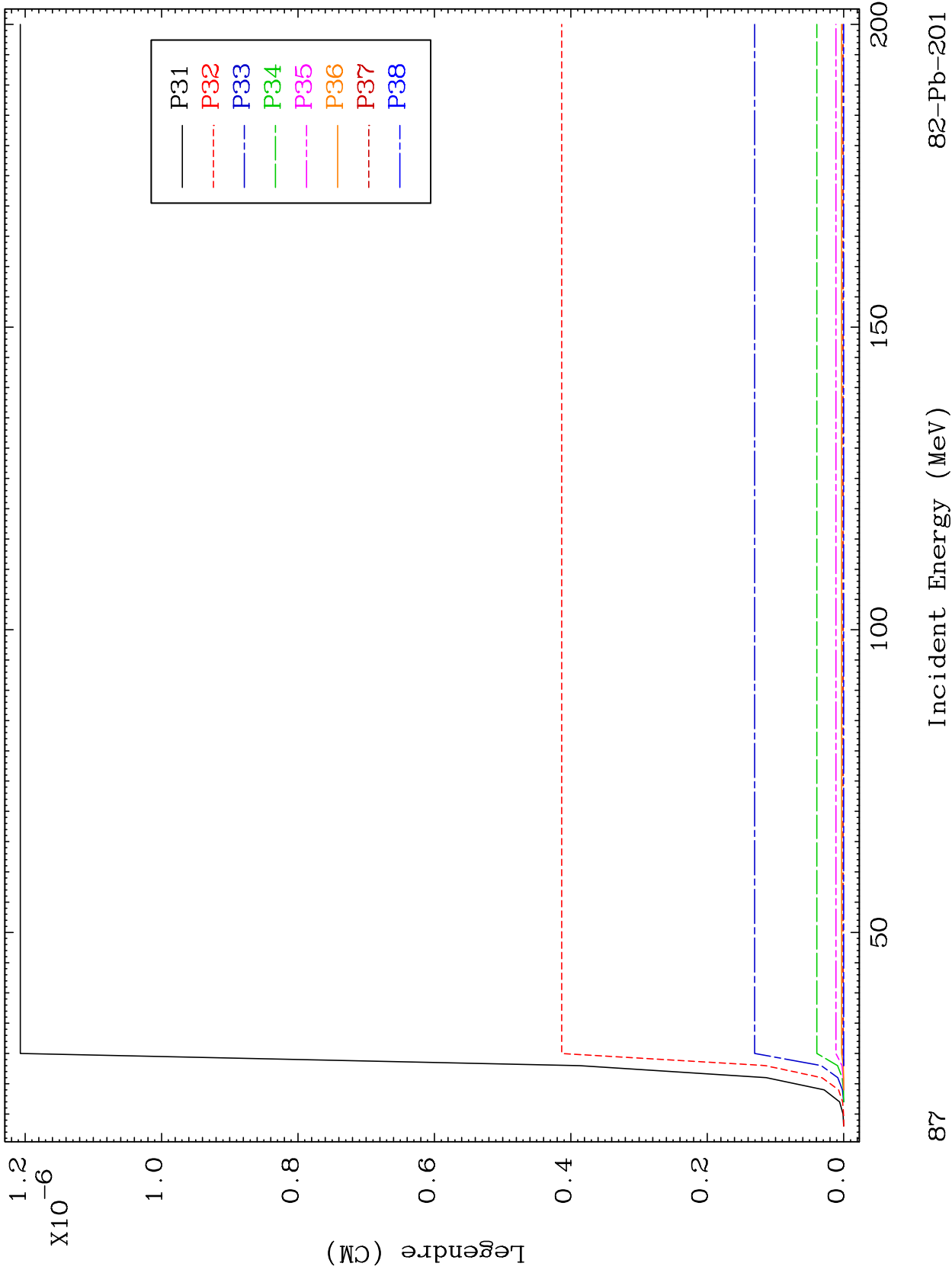
82-Pb-201



MAT 8216

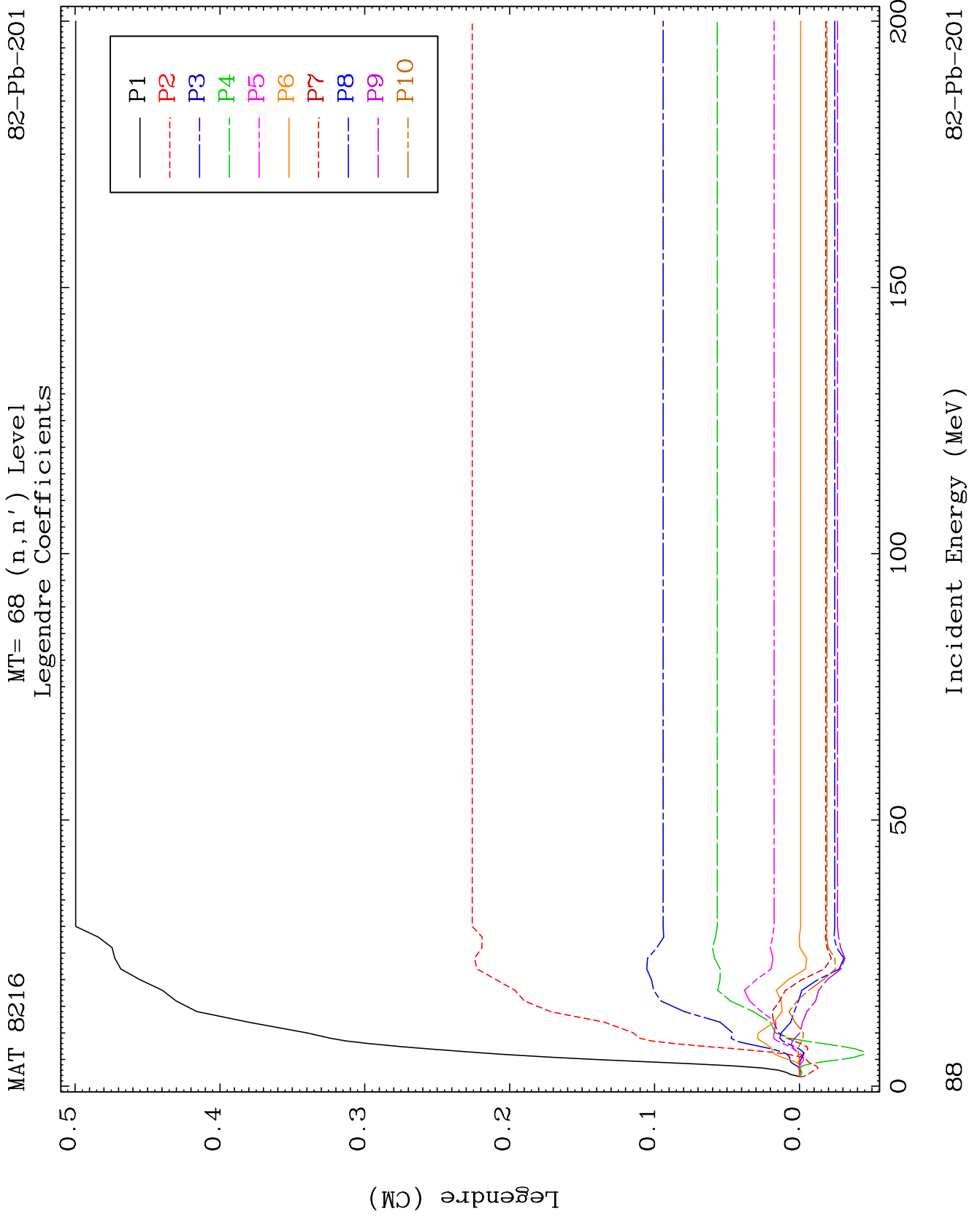
MT= 67 (n,n') Level
Legendre Coefficients

82-Pb-201



87

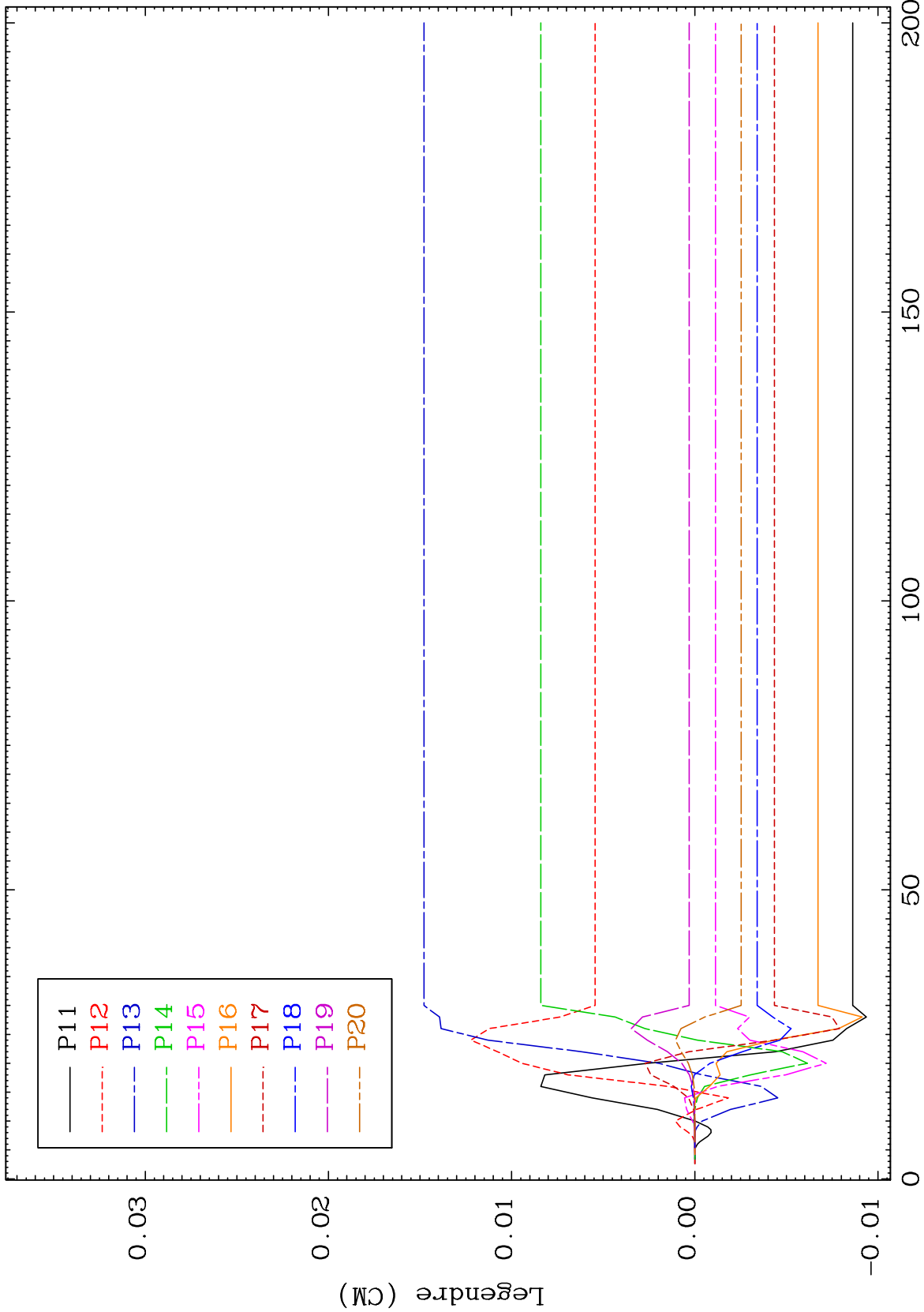
82-Pb-201



MAT 8216

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

82-Pb-201



89

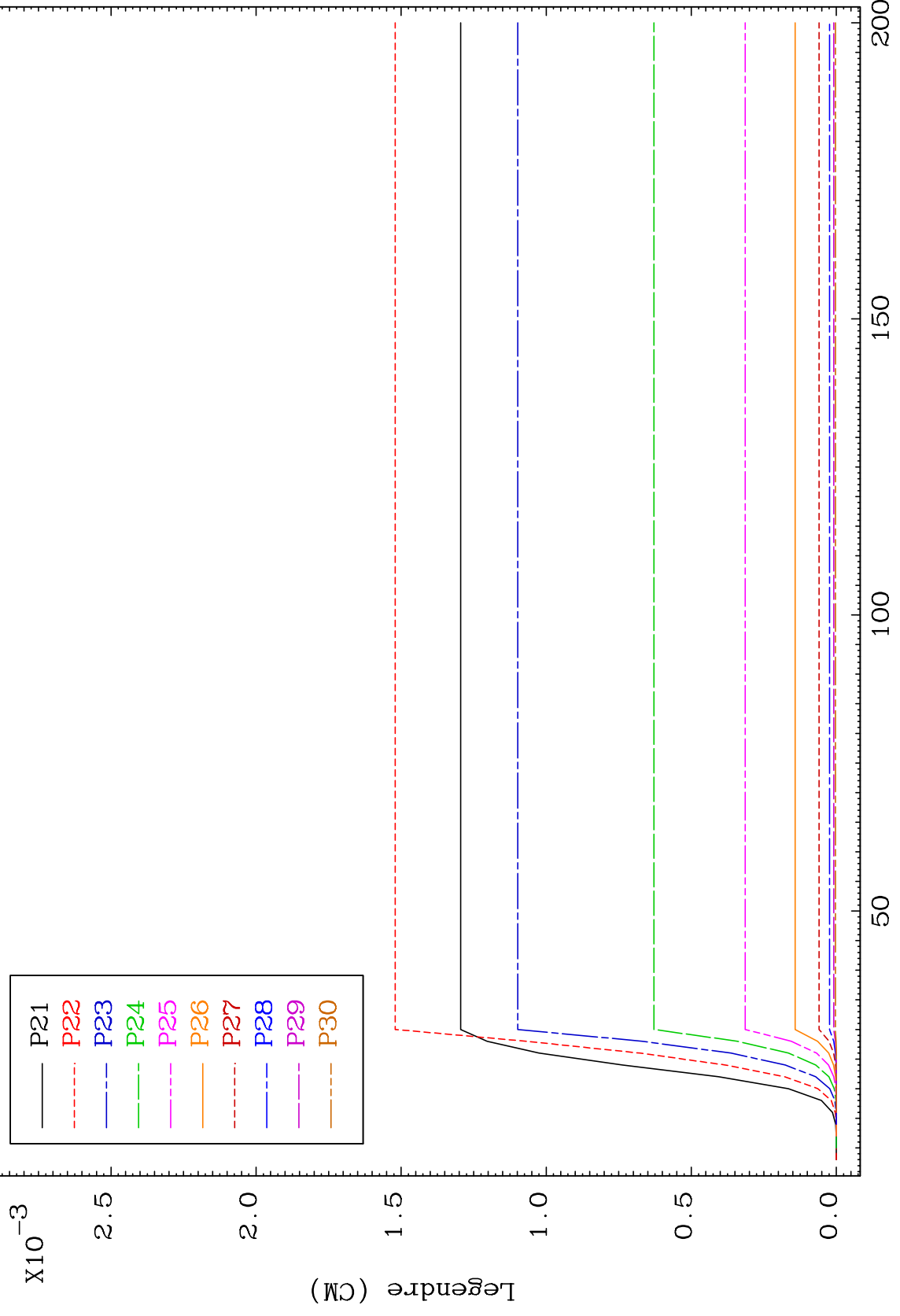
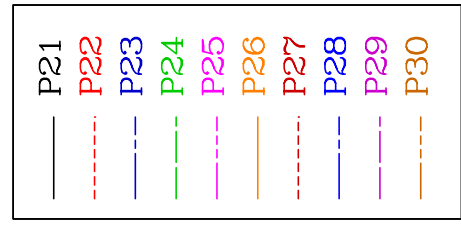
Incident Energy (MeV)

82-Pb-201

MAT 8216

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

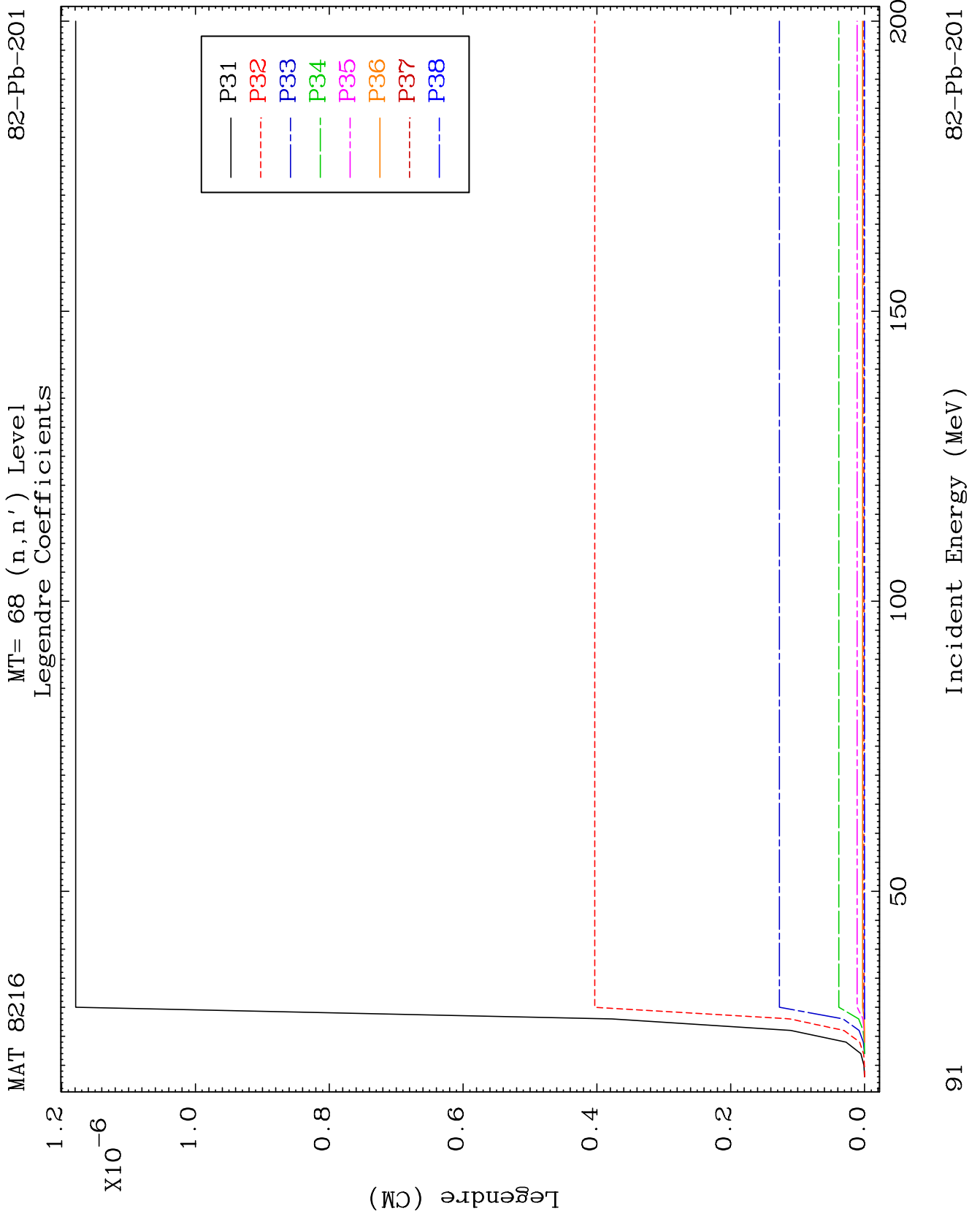
82-Pb-201



90

Incident Energy (MeV)

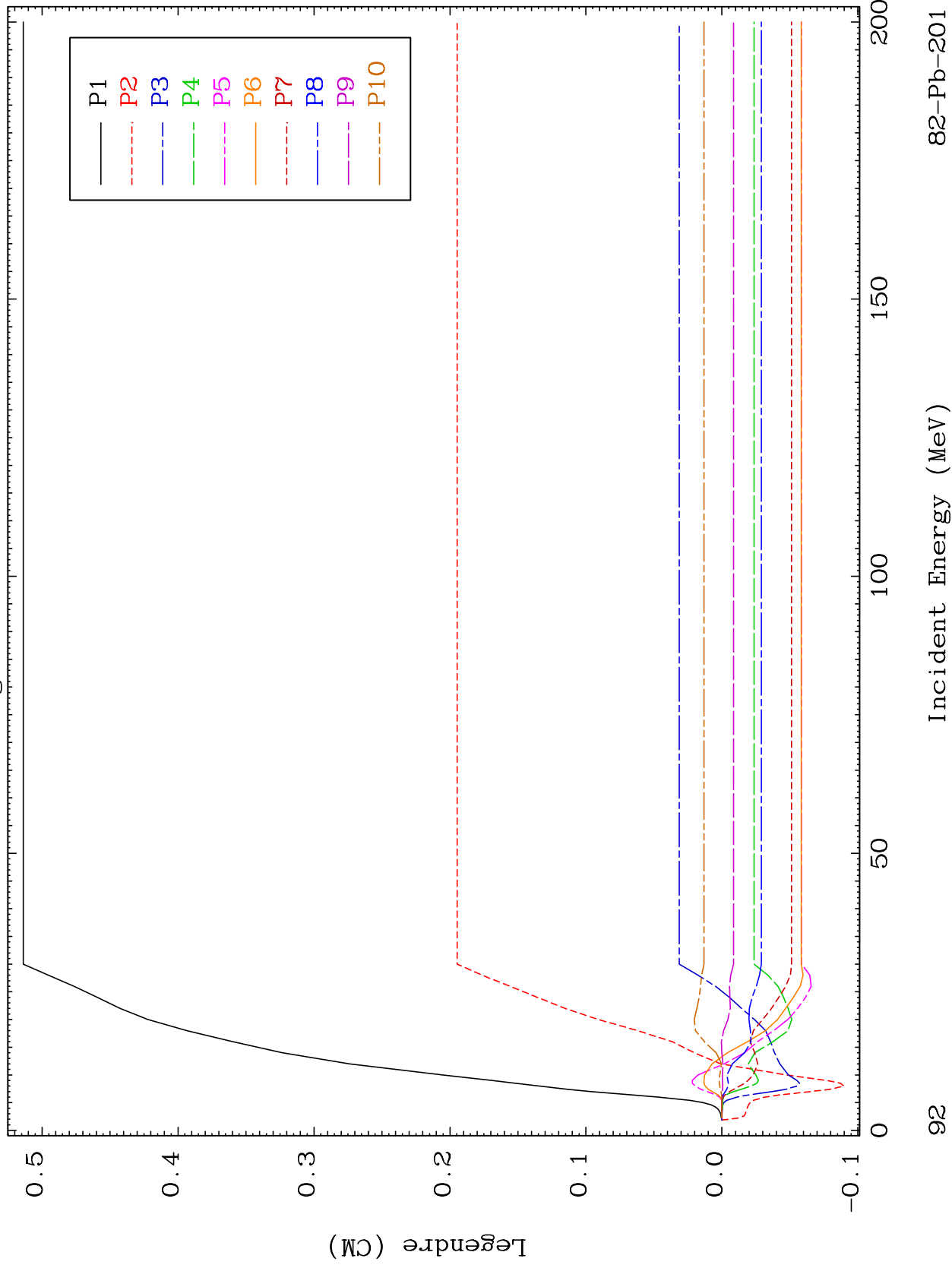
82-Pb-201



MAT 8216

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

82-Pb-201



82-Pb-201

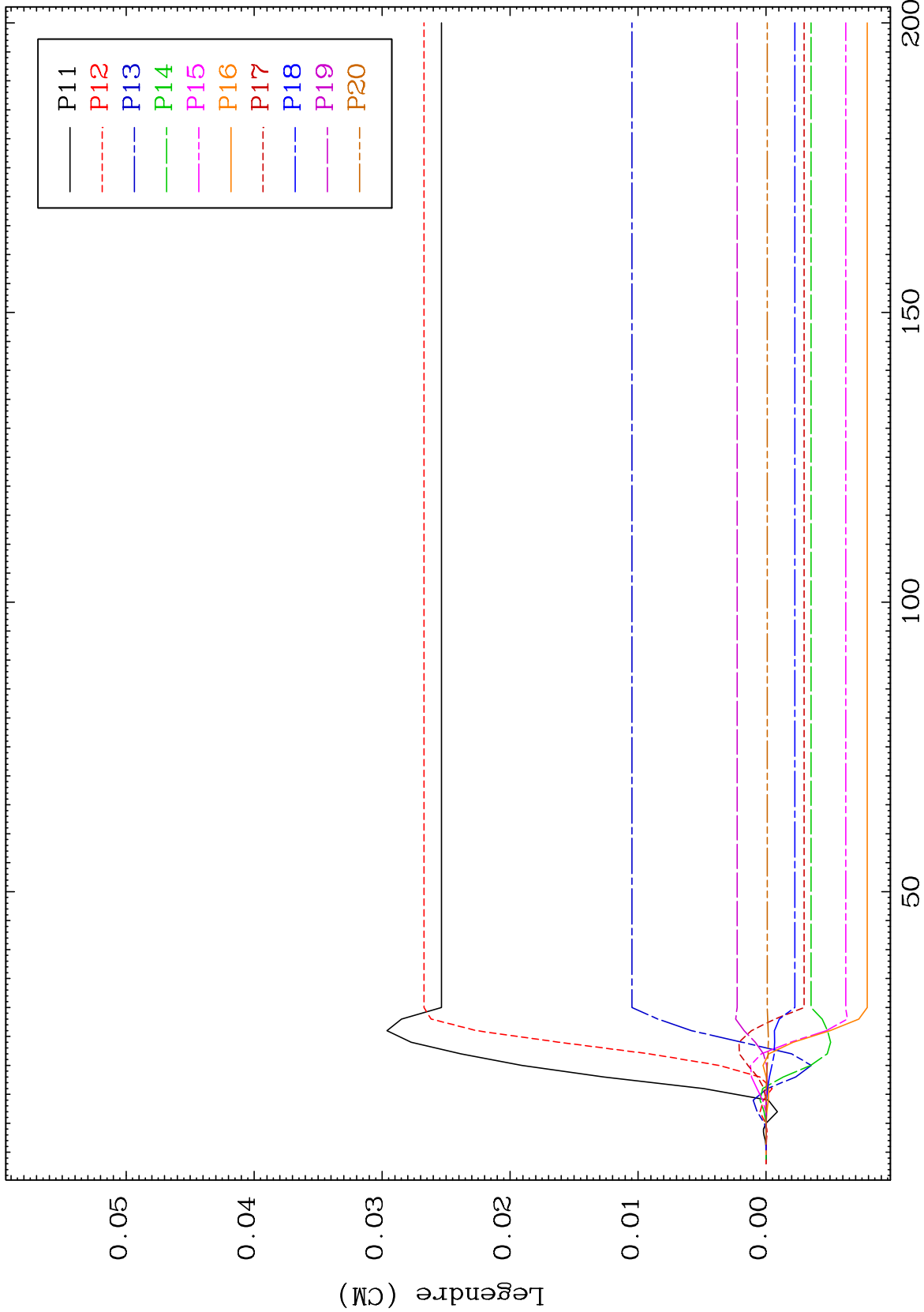
Incident Energy (MeV)

92

MAT 8216

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

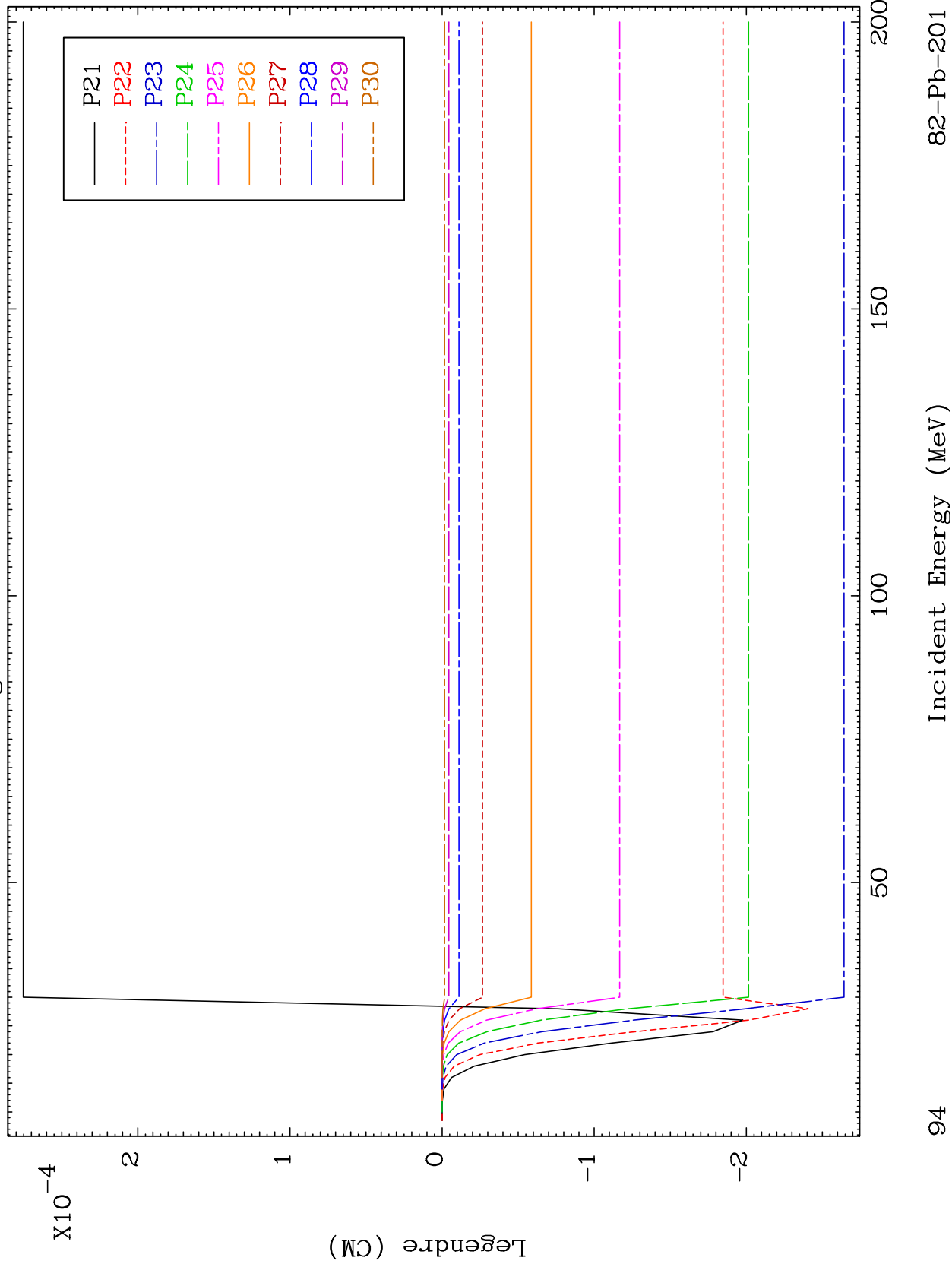
82-Pb-201

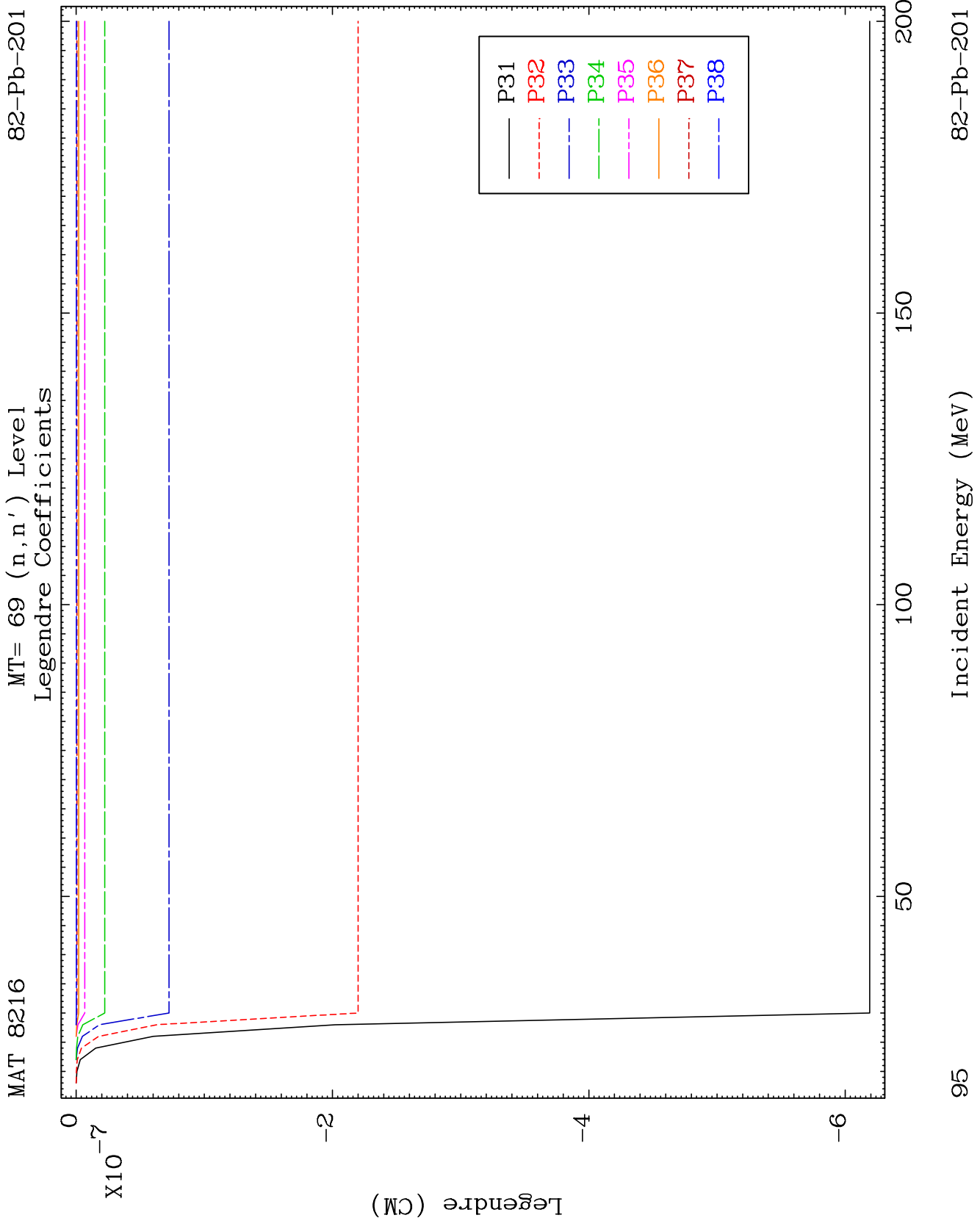


MAT 8216

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

82-Pb-201

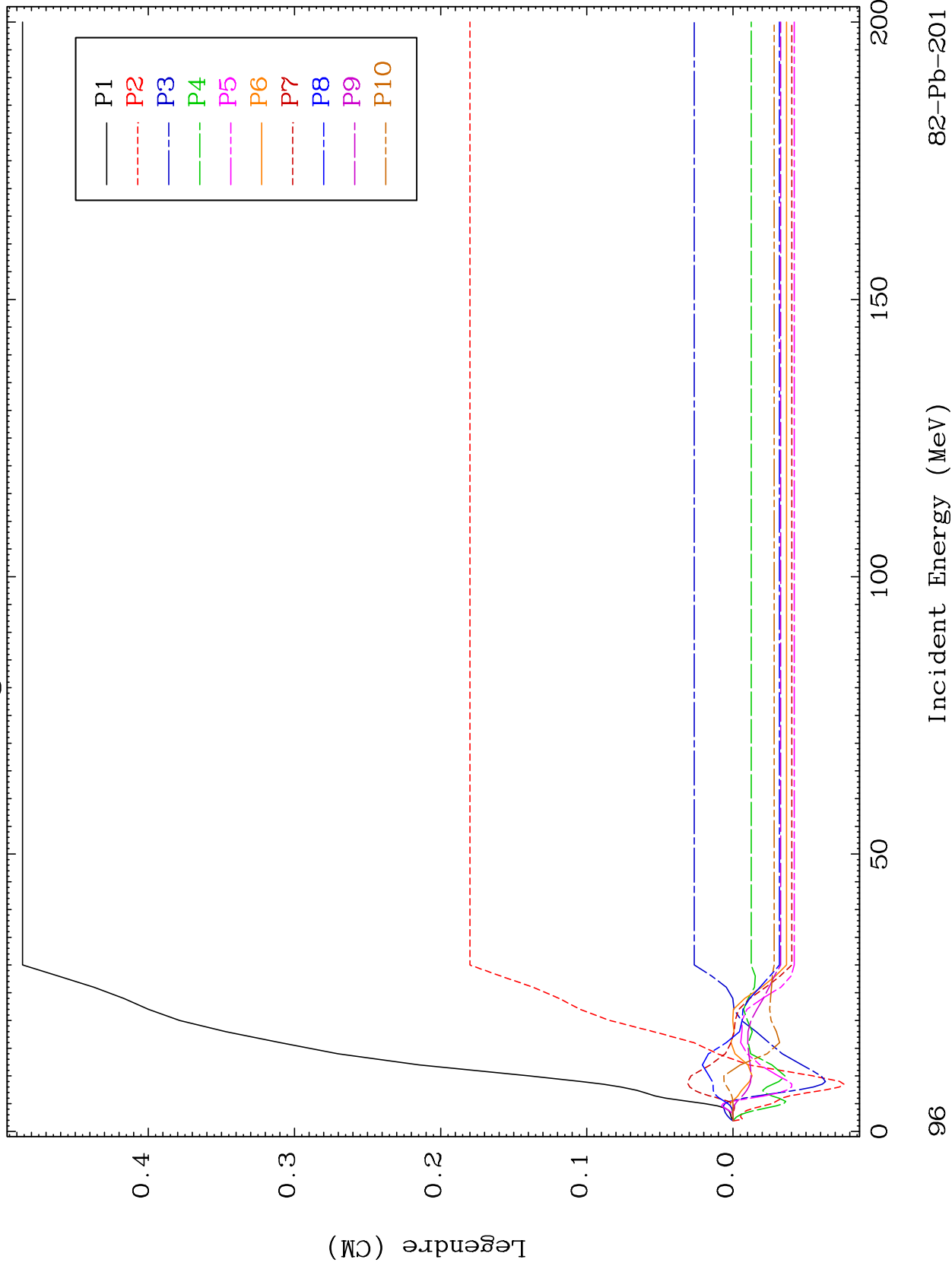




MAT 8216

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

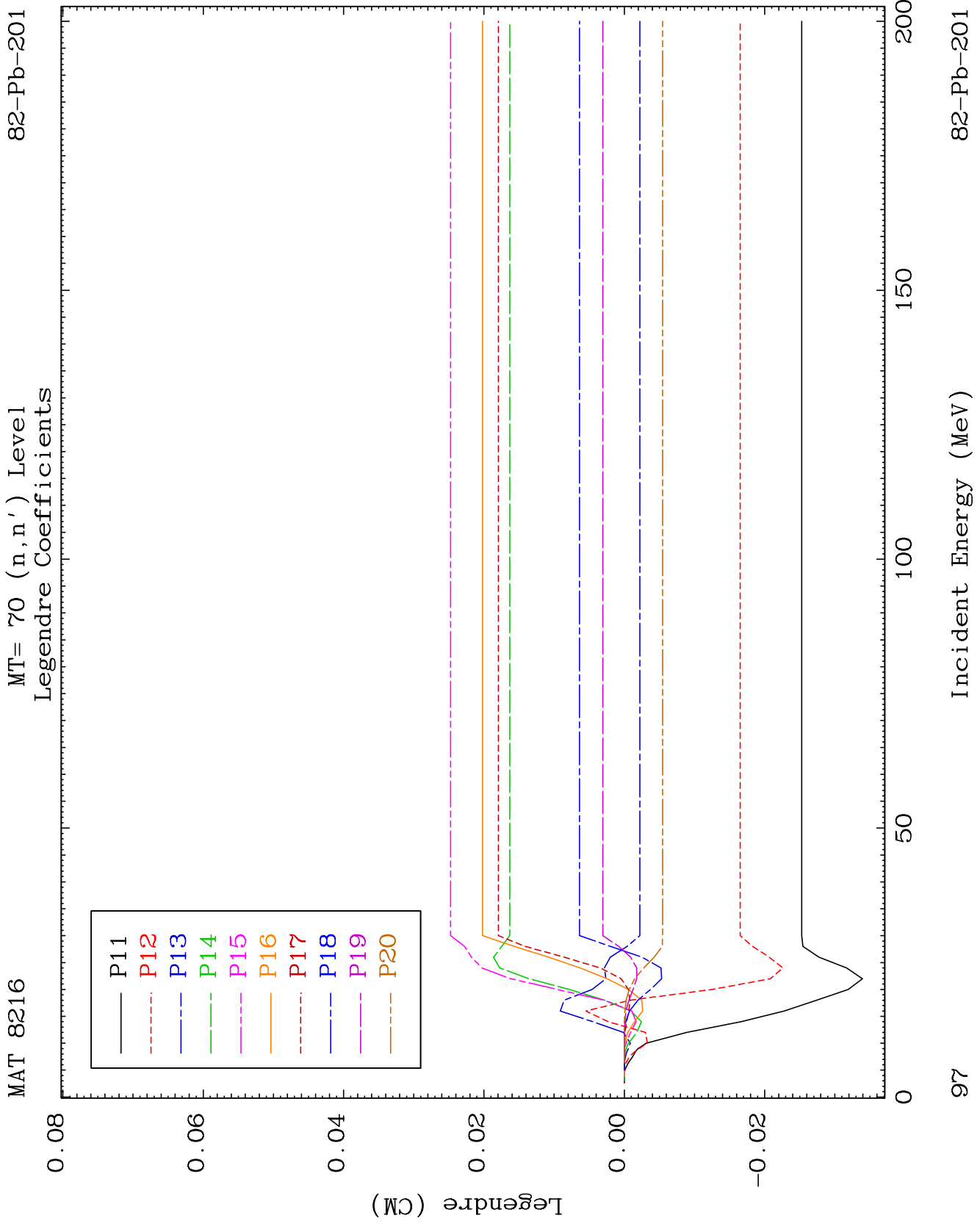
82-Pb-201



82-Pb-201

Incident Energy (MeV)

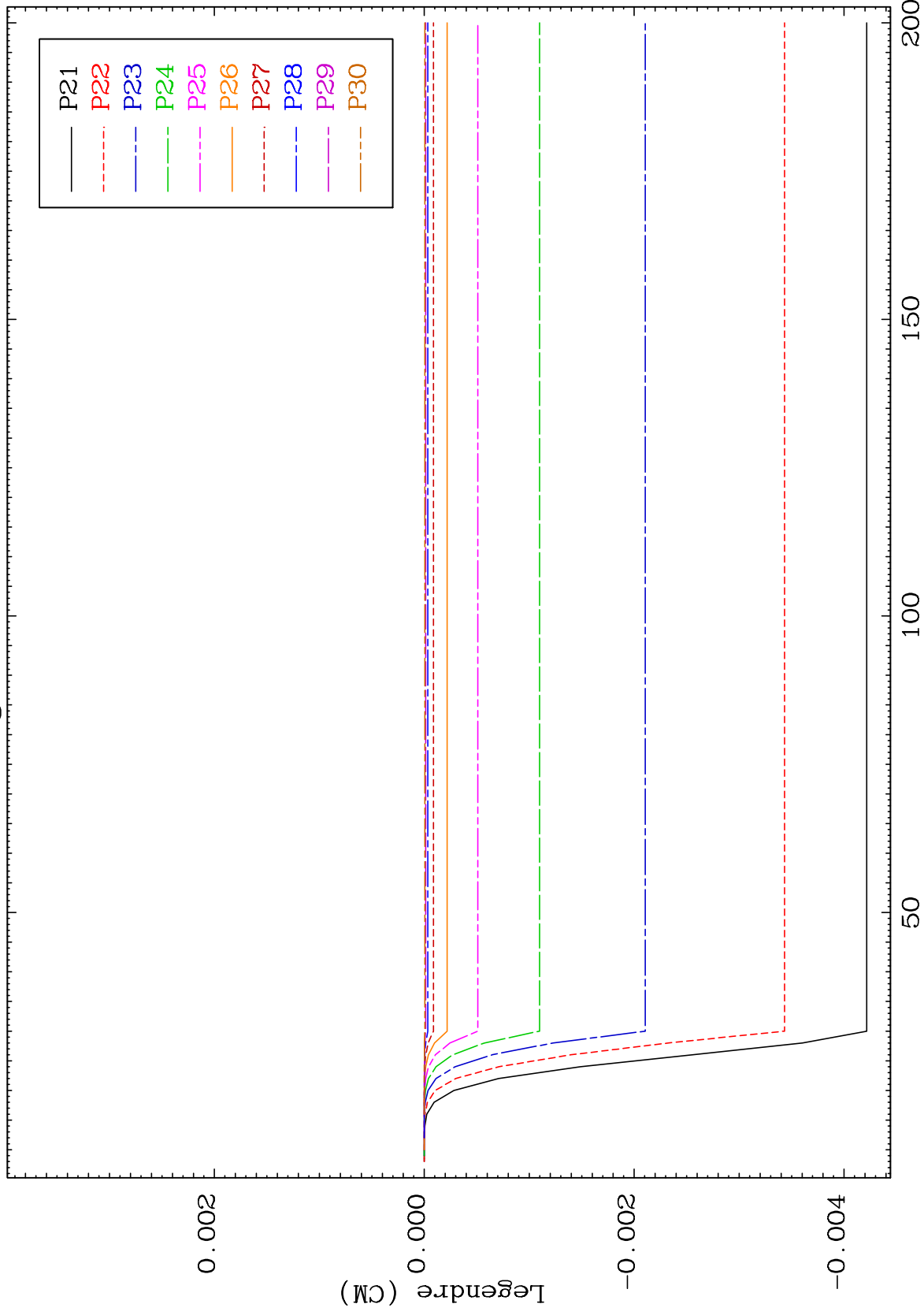
96



MAT 8216

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

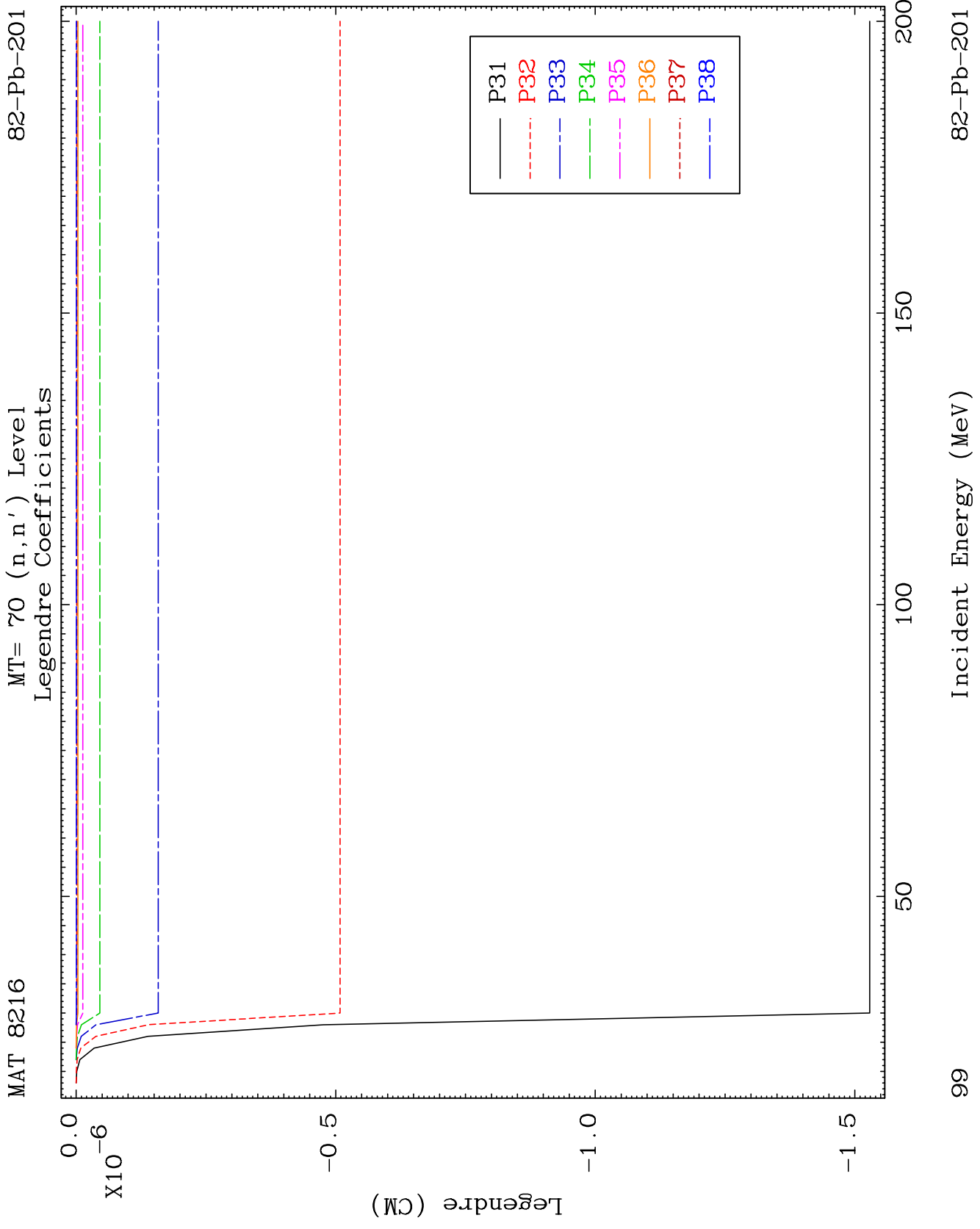
82-Pb-201



98

Incident Energy (MeV)

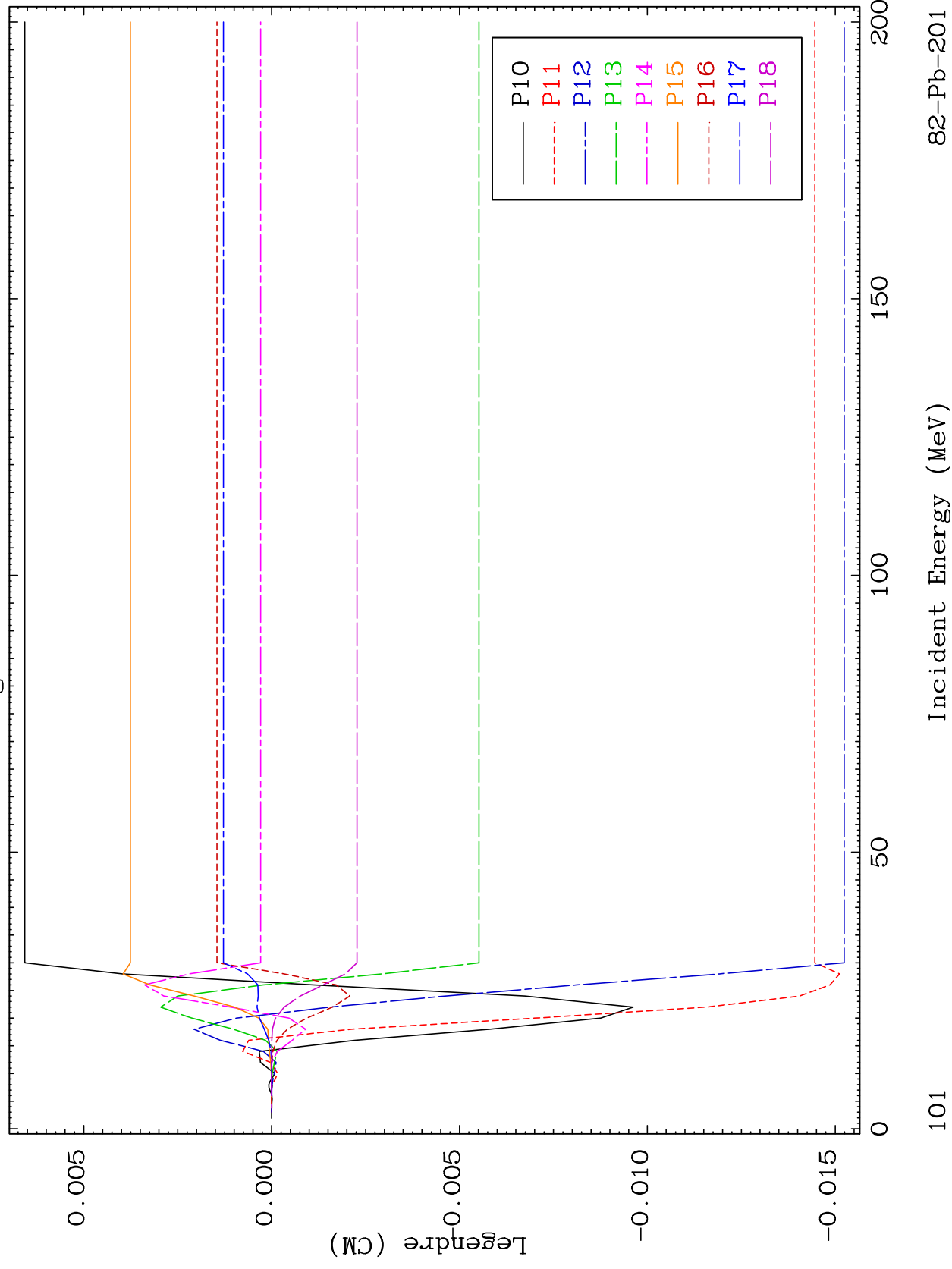
82-Pb-201



MAT 8216

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

82-Pb-201



82-Pb-201

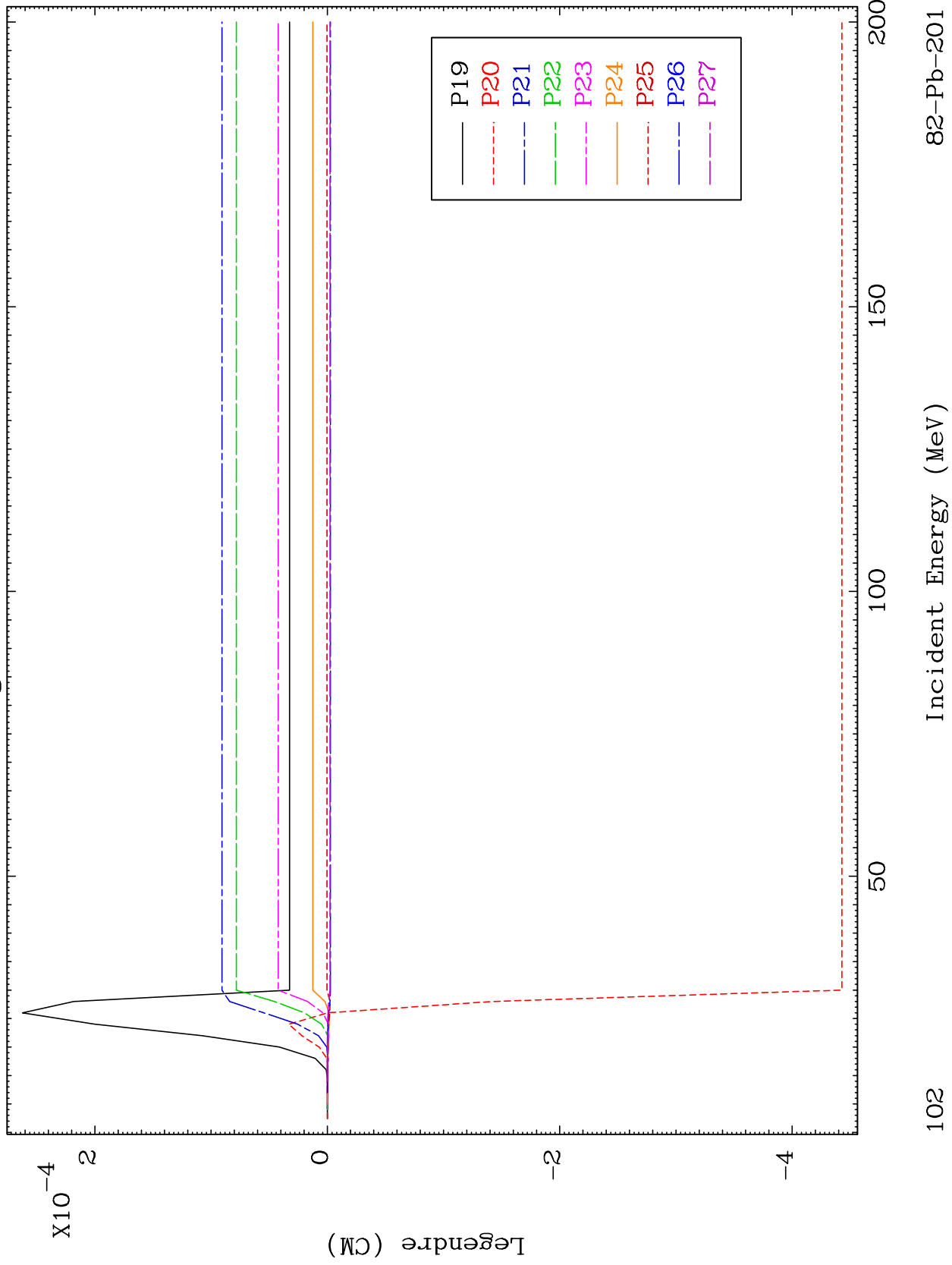
Incident Energy (MeV)

101

MAT 8216

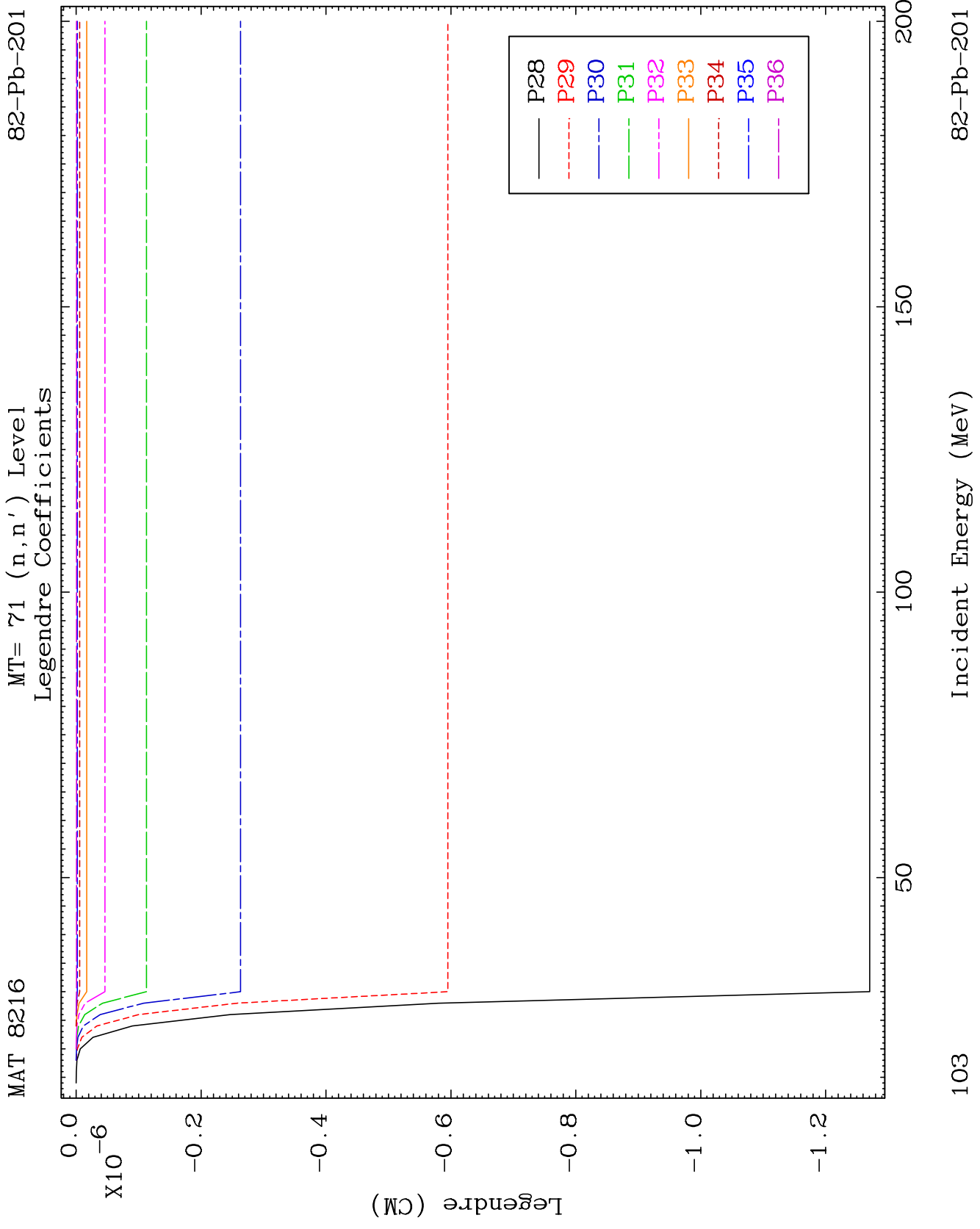
82-Pb-201

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



102

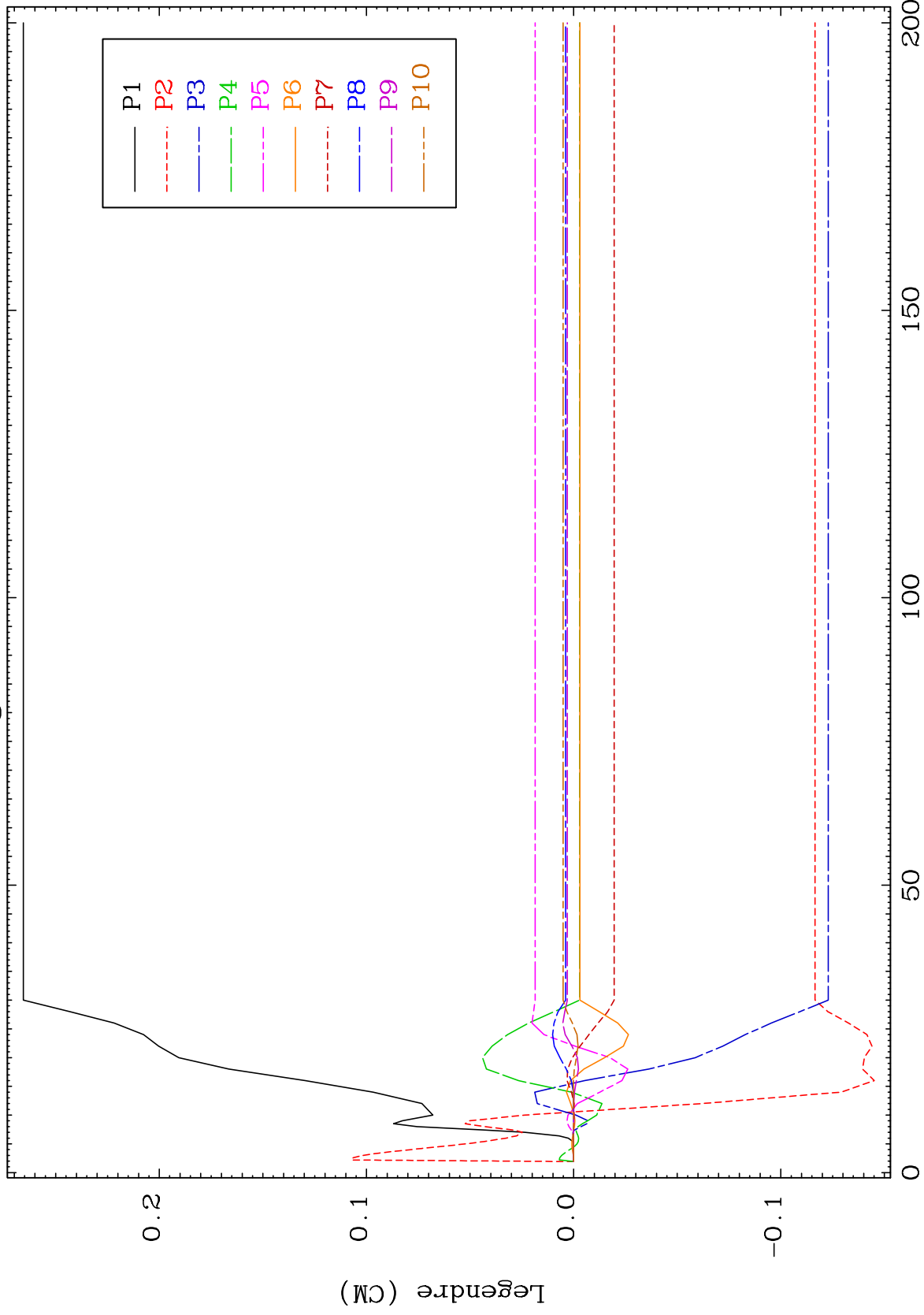
82-Pb-201



MAT 8216

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

82-Pb-201



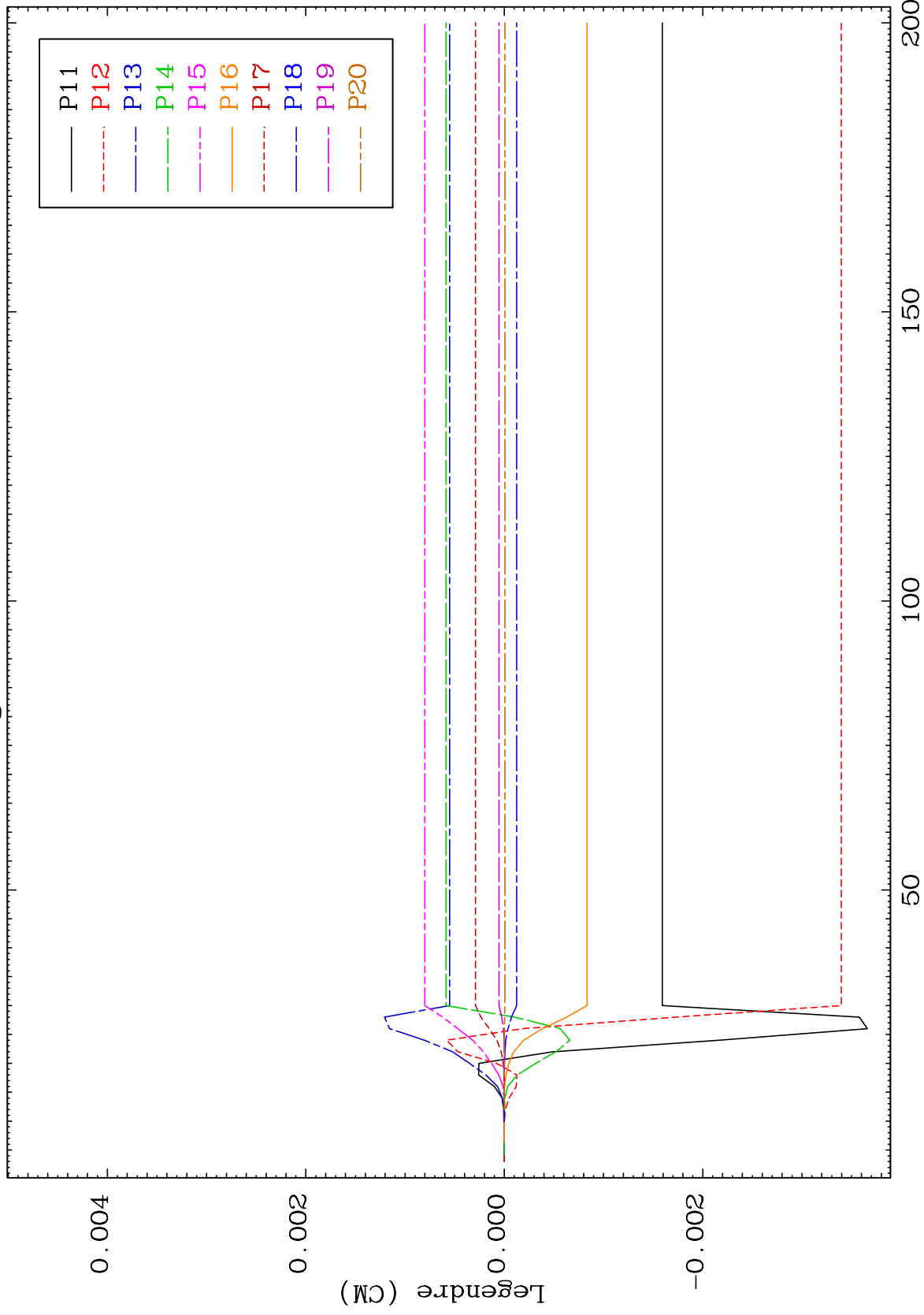
104

82-Pb-201

MAT 8216

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

82-Pb-201



105

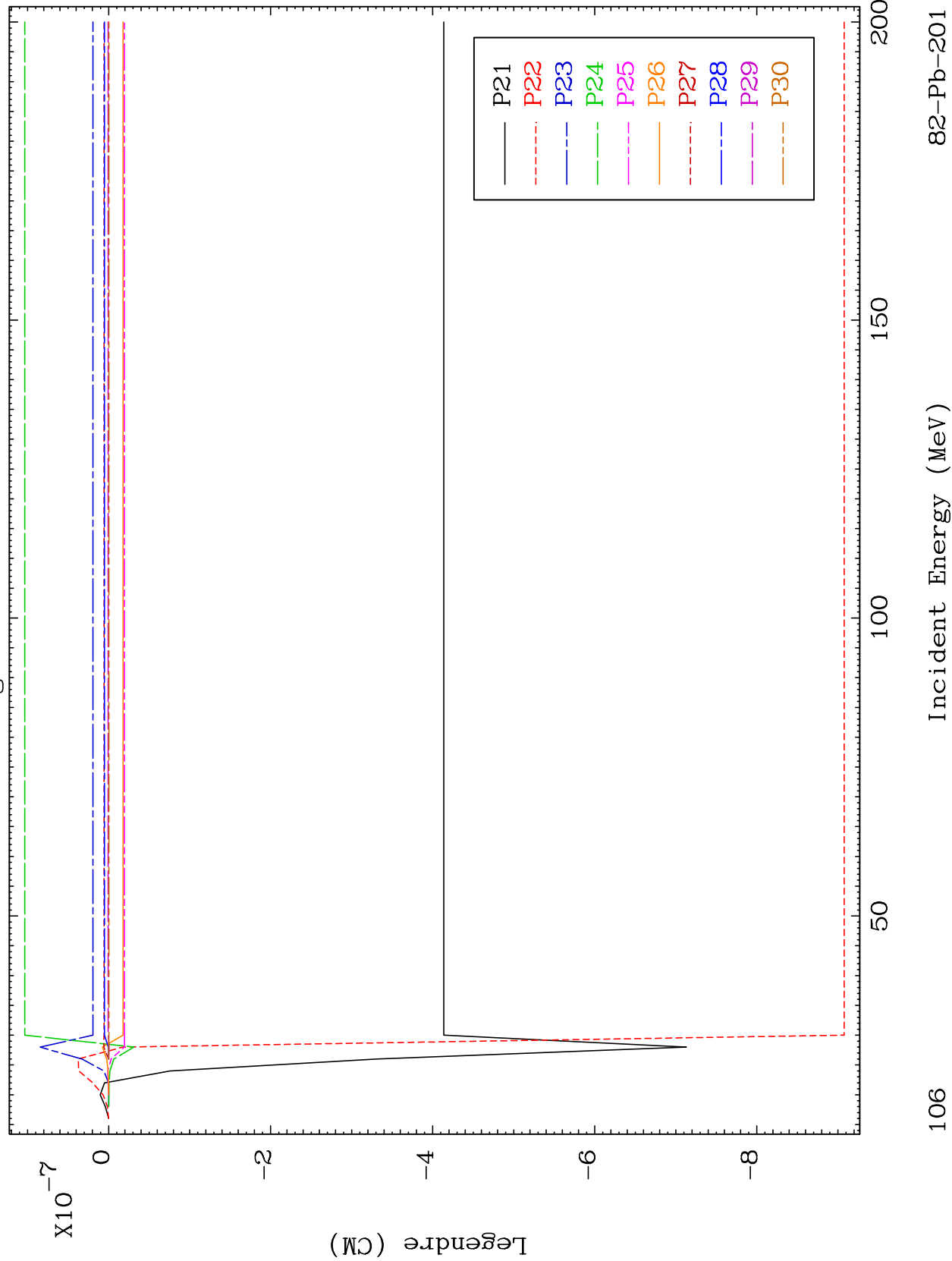
Incident Energy (MeV)

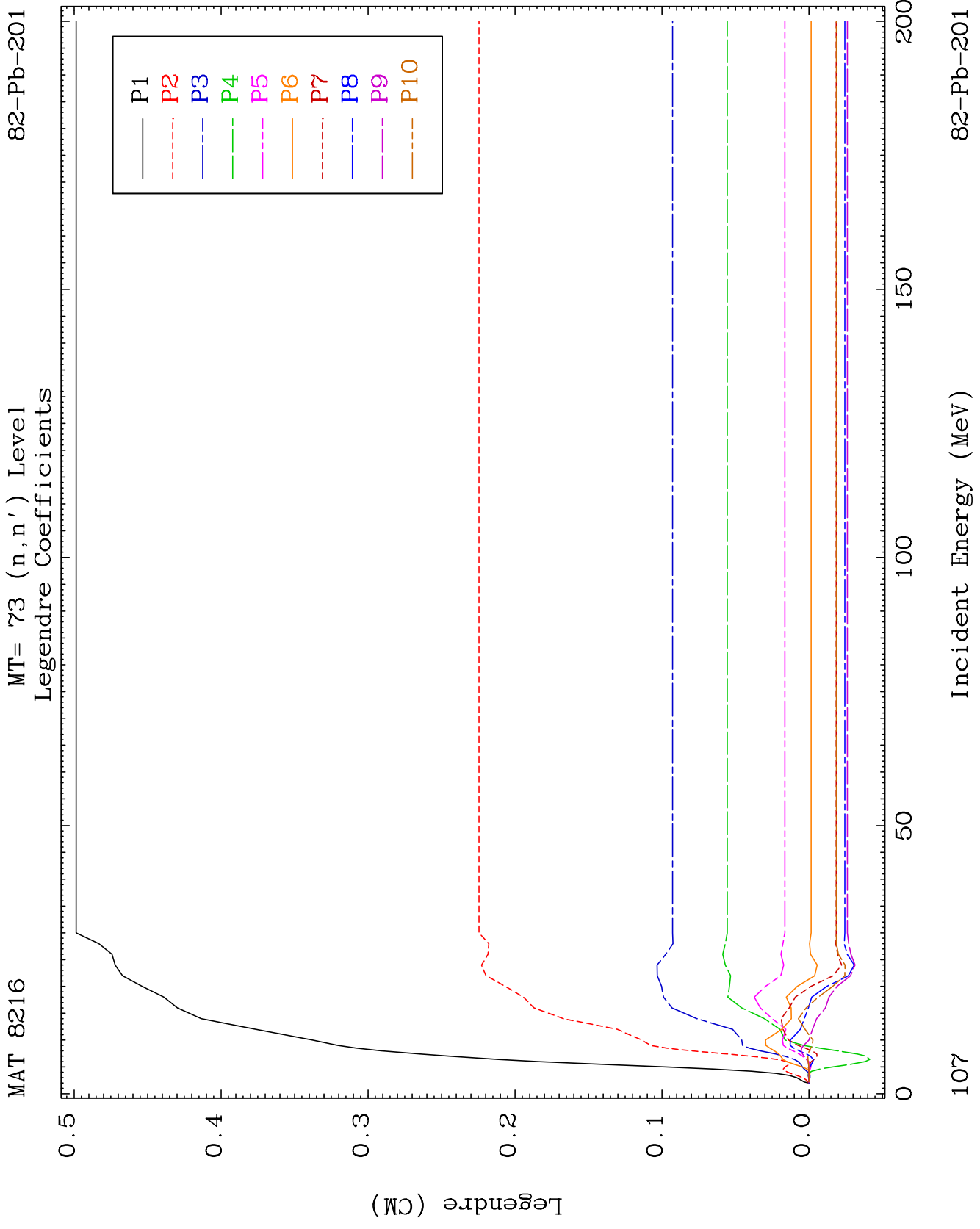
82-Pb-201

MAT 8216

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

82-Pb-201

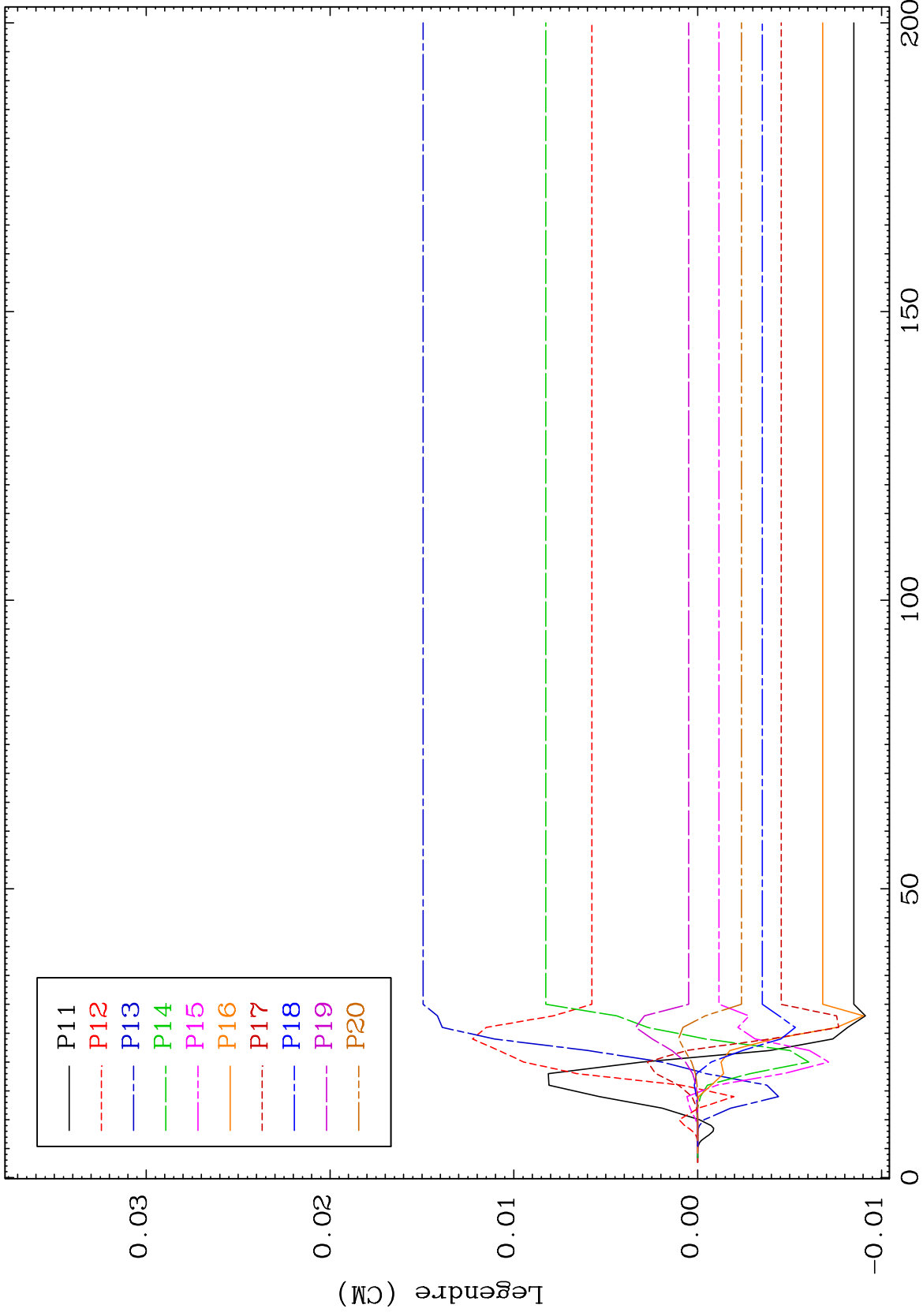




MAT 8216

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

82-Pb-201



108

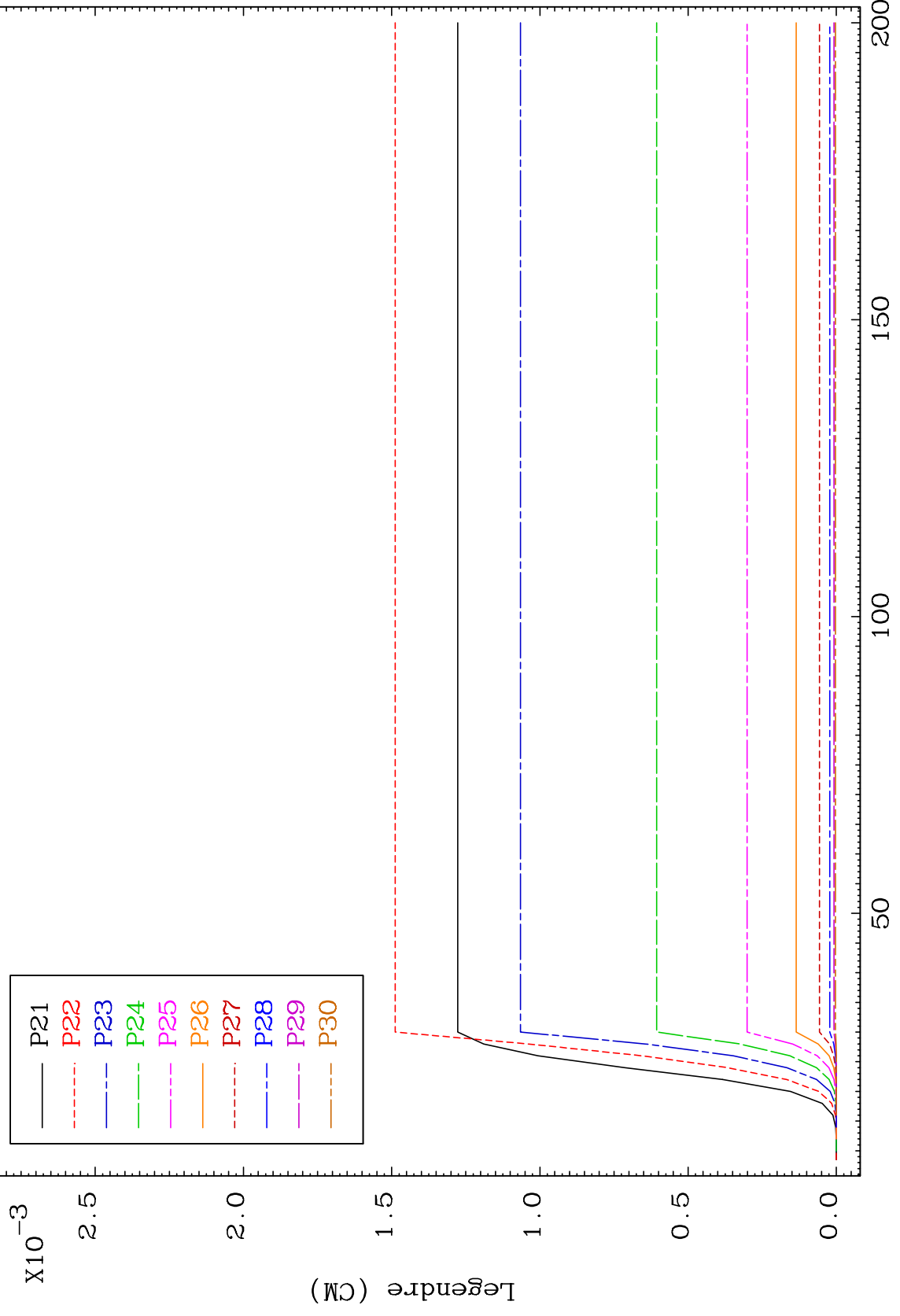
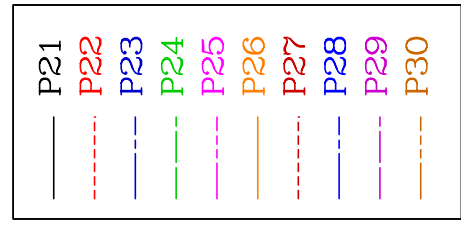
Incident Energy (MeV)

82-Pb-201

MAT 8216

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

82-Pb-201



109

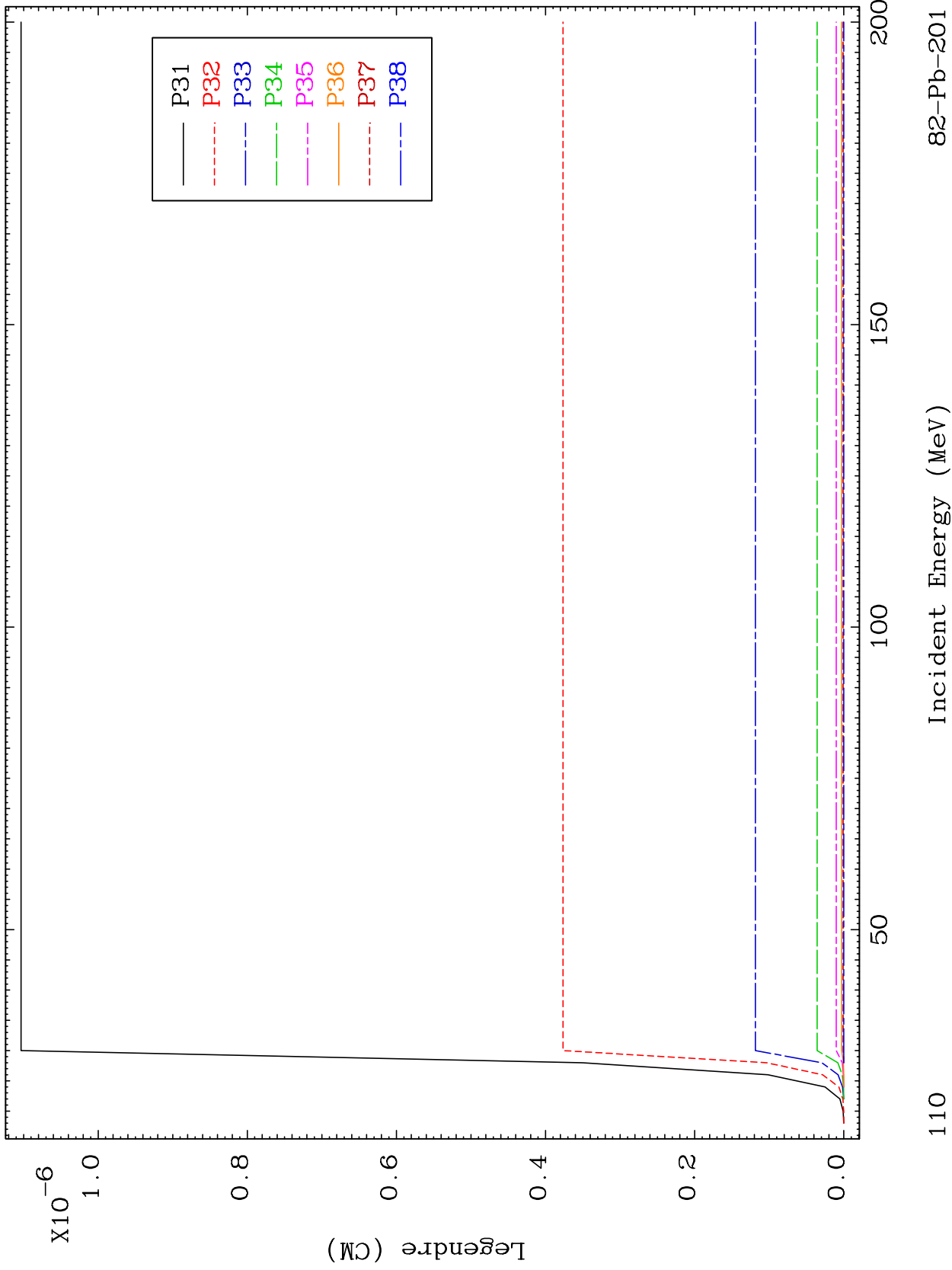
Incident Energy (MeV)

82-Pb-201

MAT 8216

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

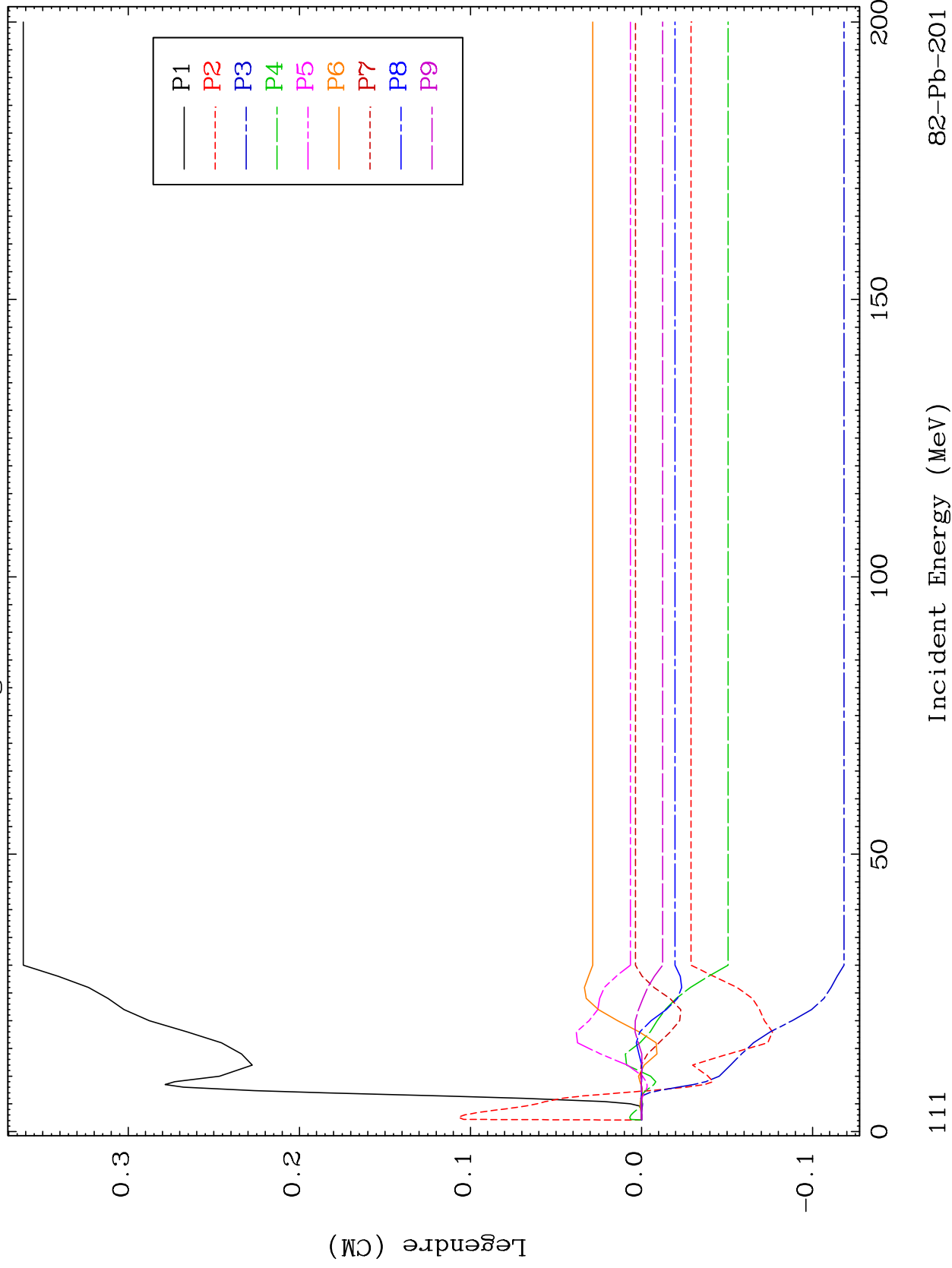
82-Pb-201



MAT 8216

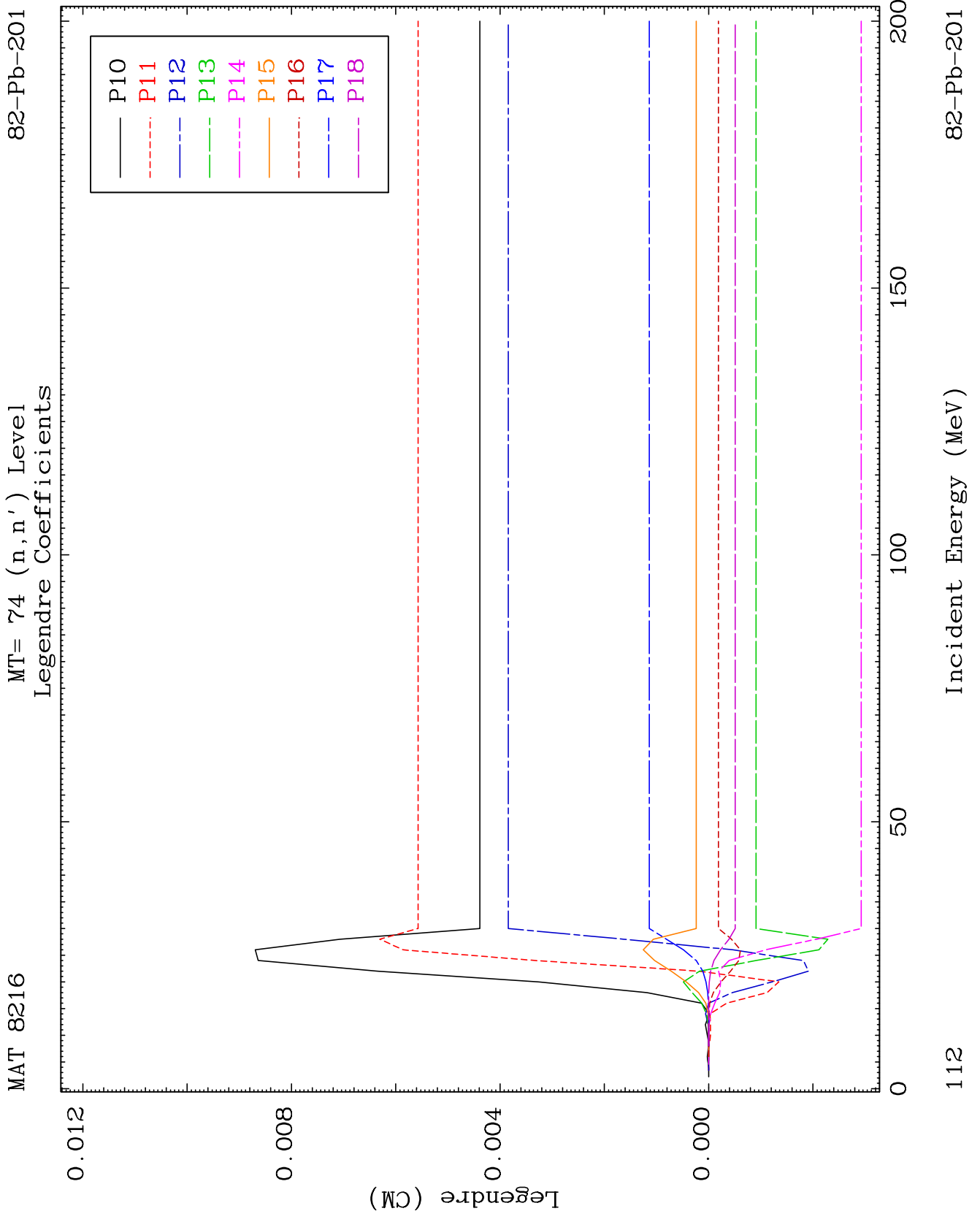
MT= 74 (n,n') Level
Legendre Coefficients

82-Pb-201



111

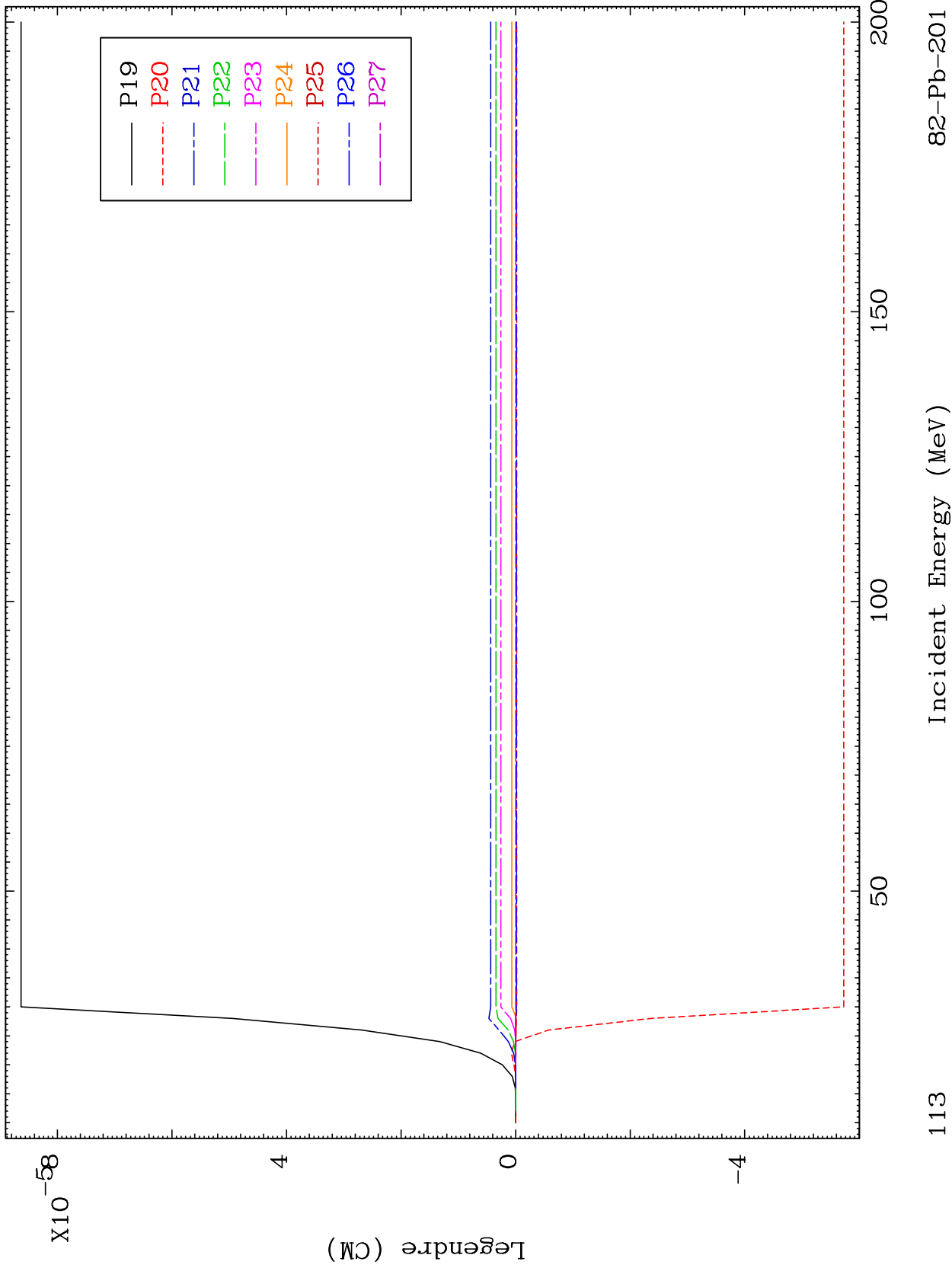
82-Pb-201



MAT 8216

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

82-Pb-201

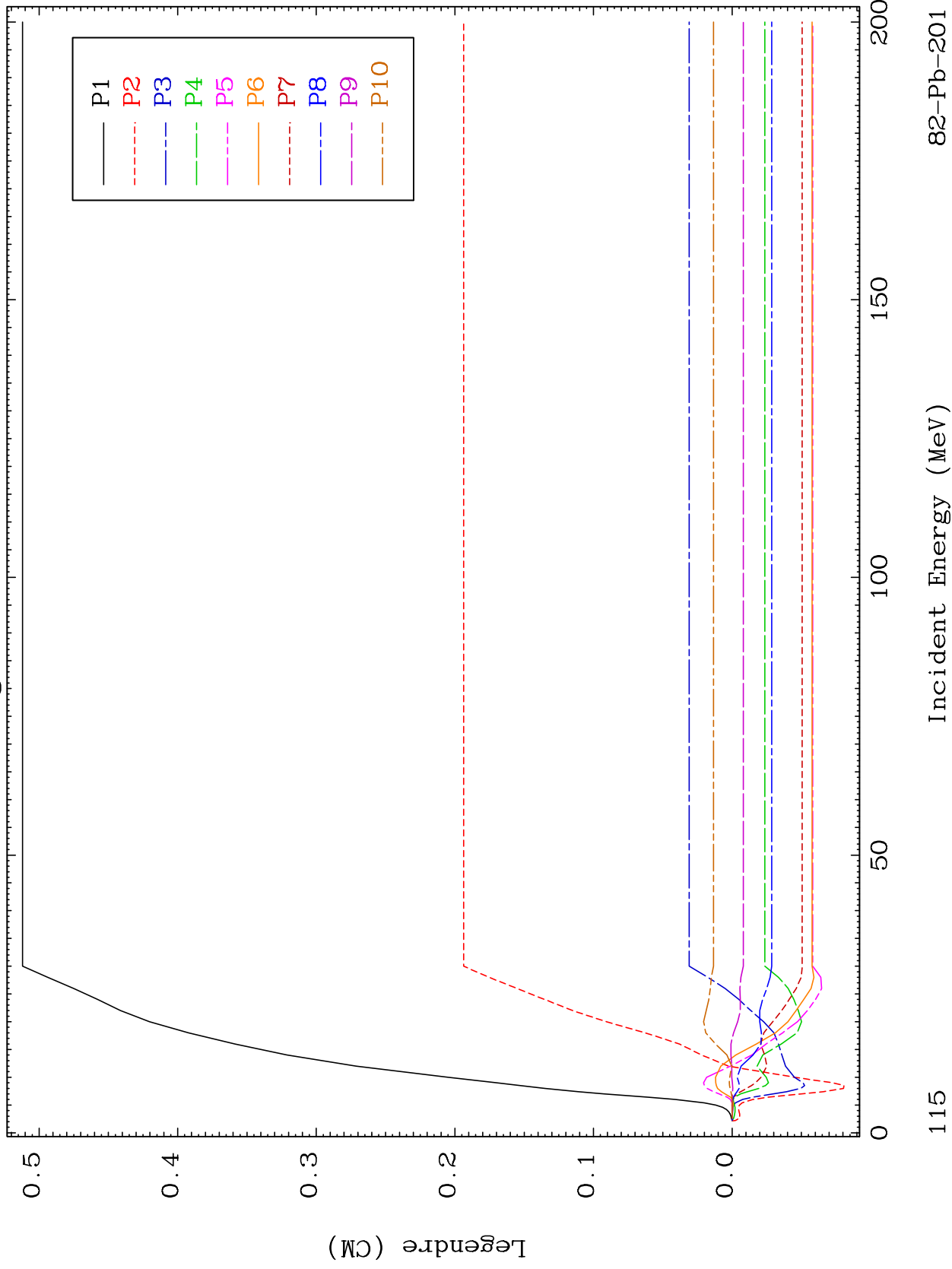


113

MAT 8216

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

82-Pb-201



82-Pb-201

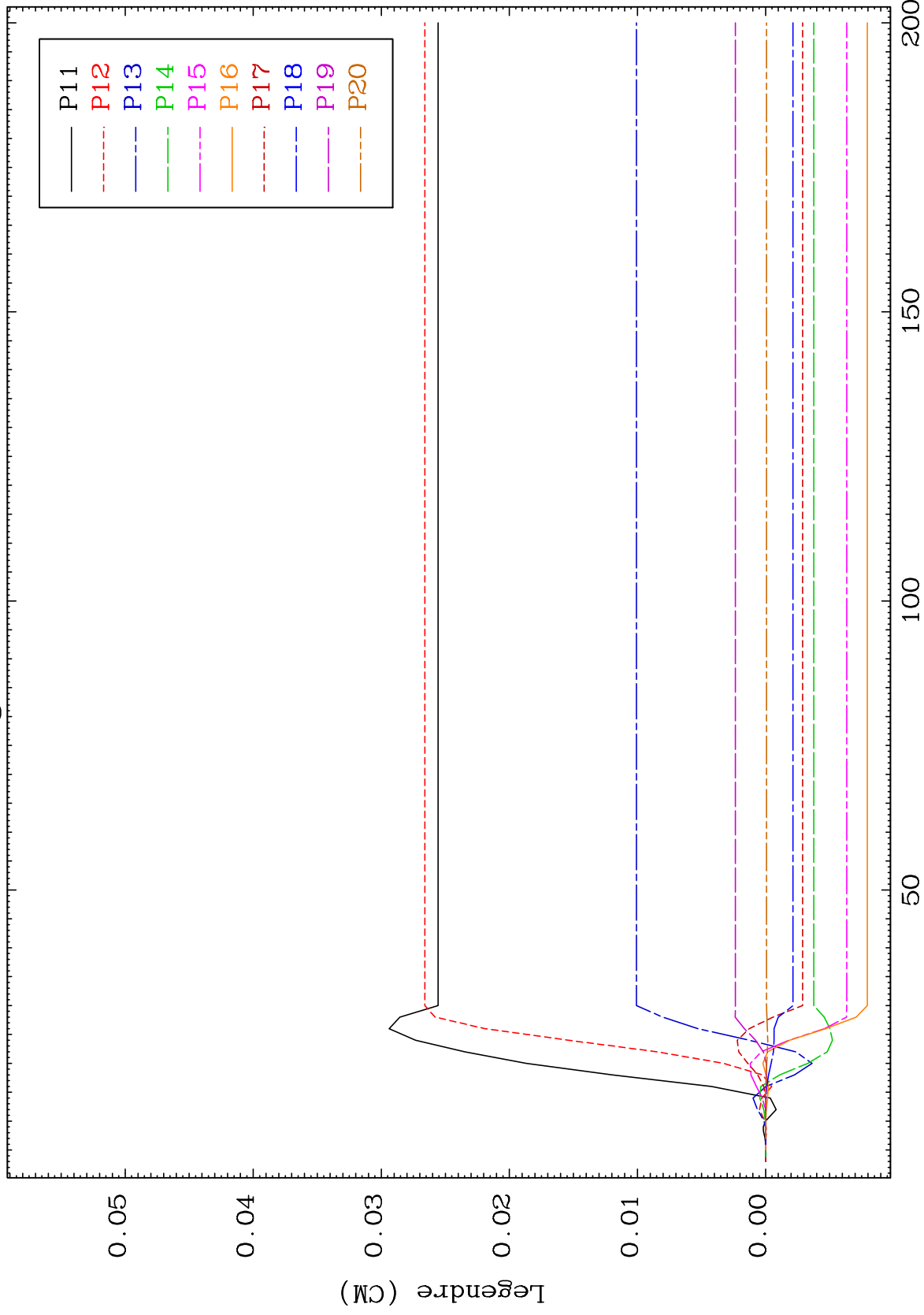
Incident Energy (MeV)

115

MAT 8216

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

82-Pb-201



116

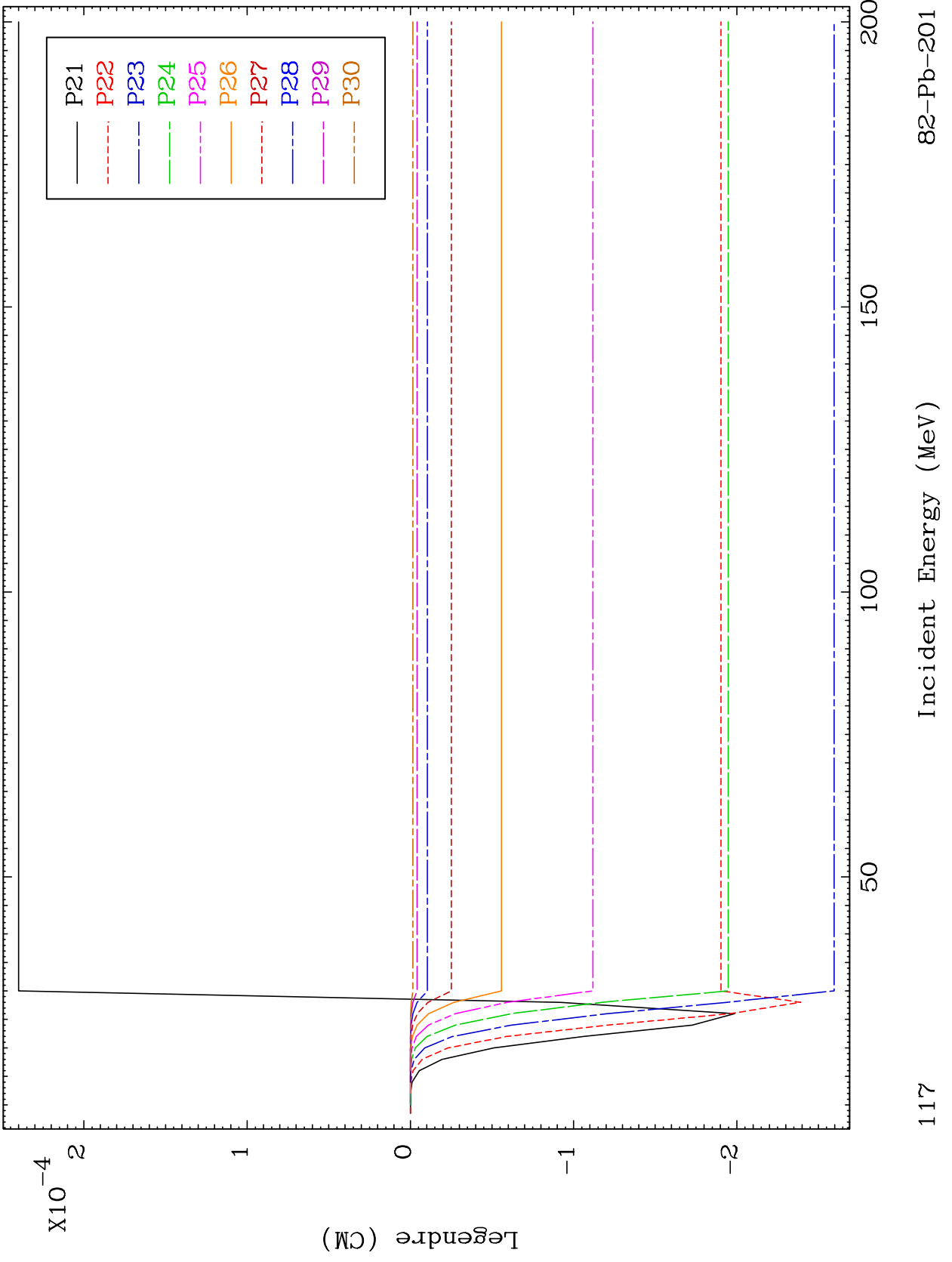
Incident Energy (MeV)

82-Pb-201

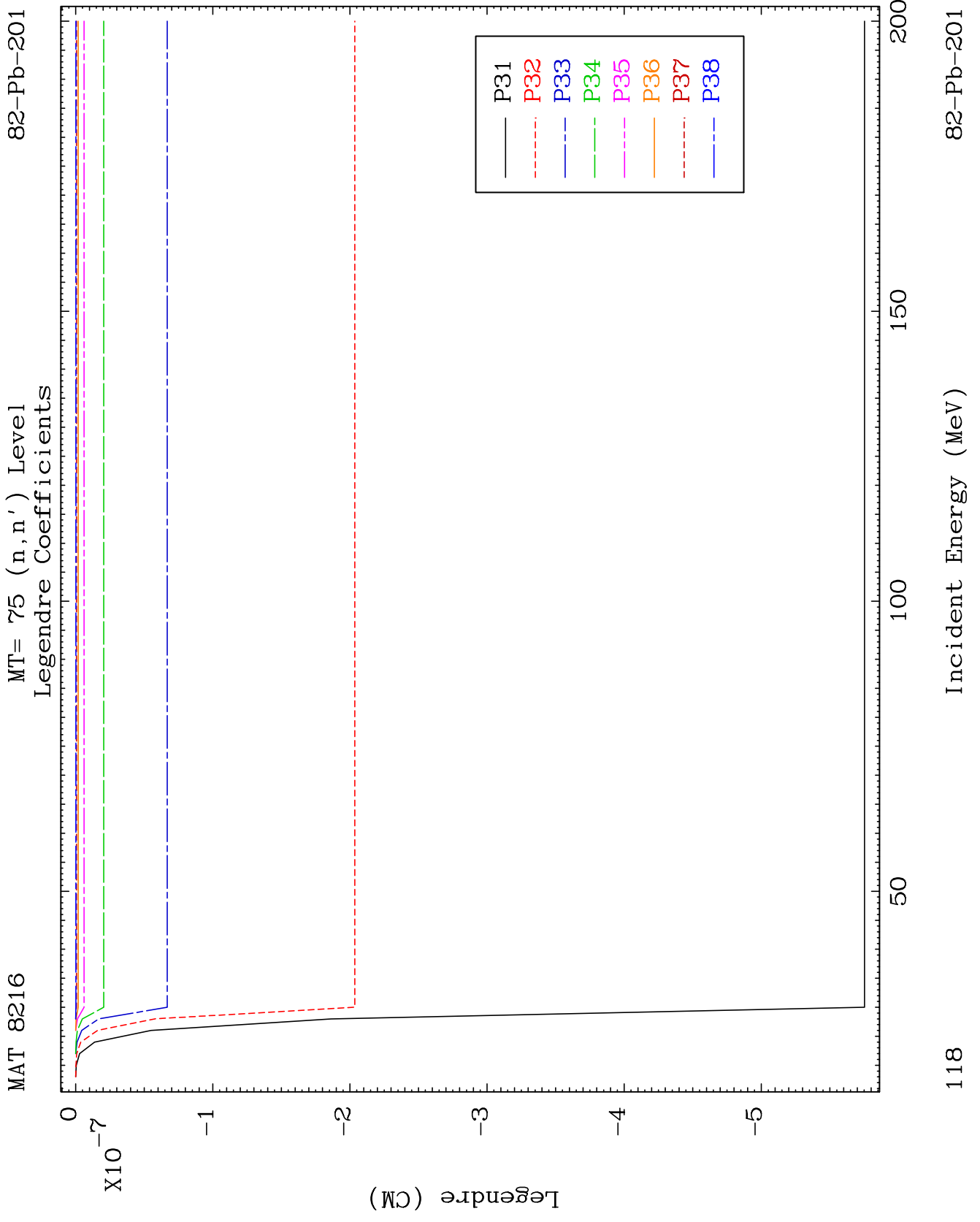
MAT 8216

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

82-Pb-201



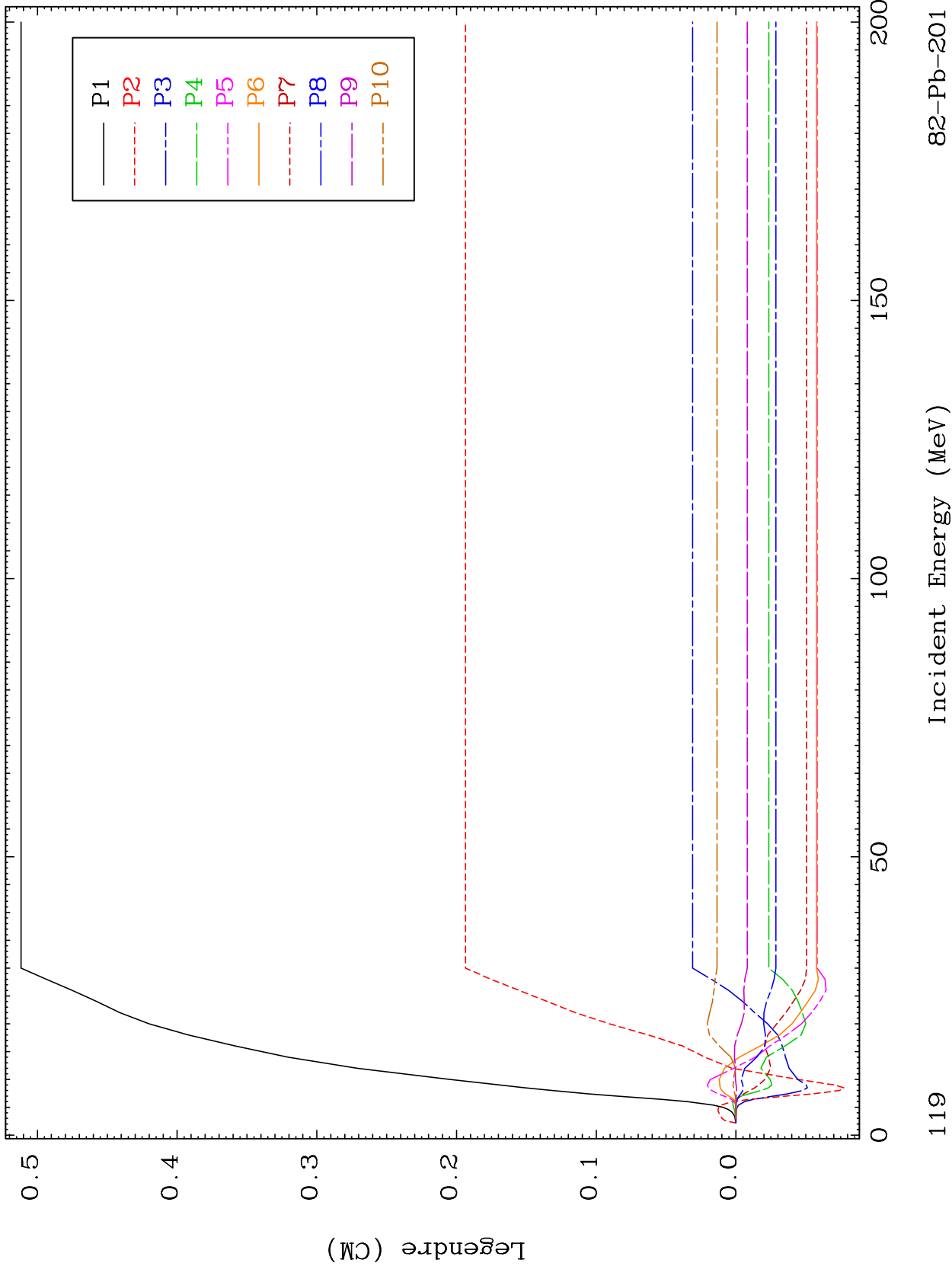
117



MAT 8216

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

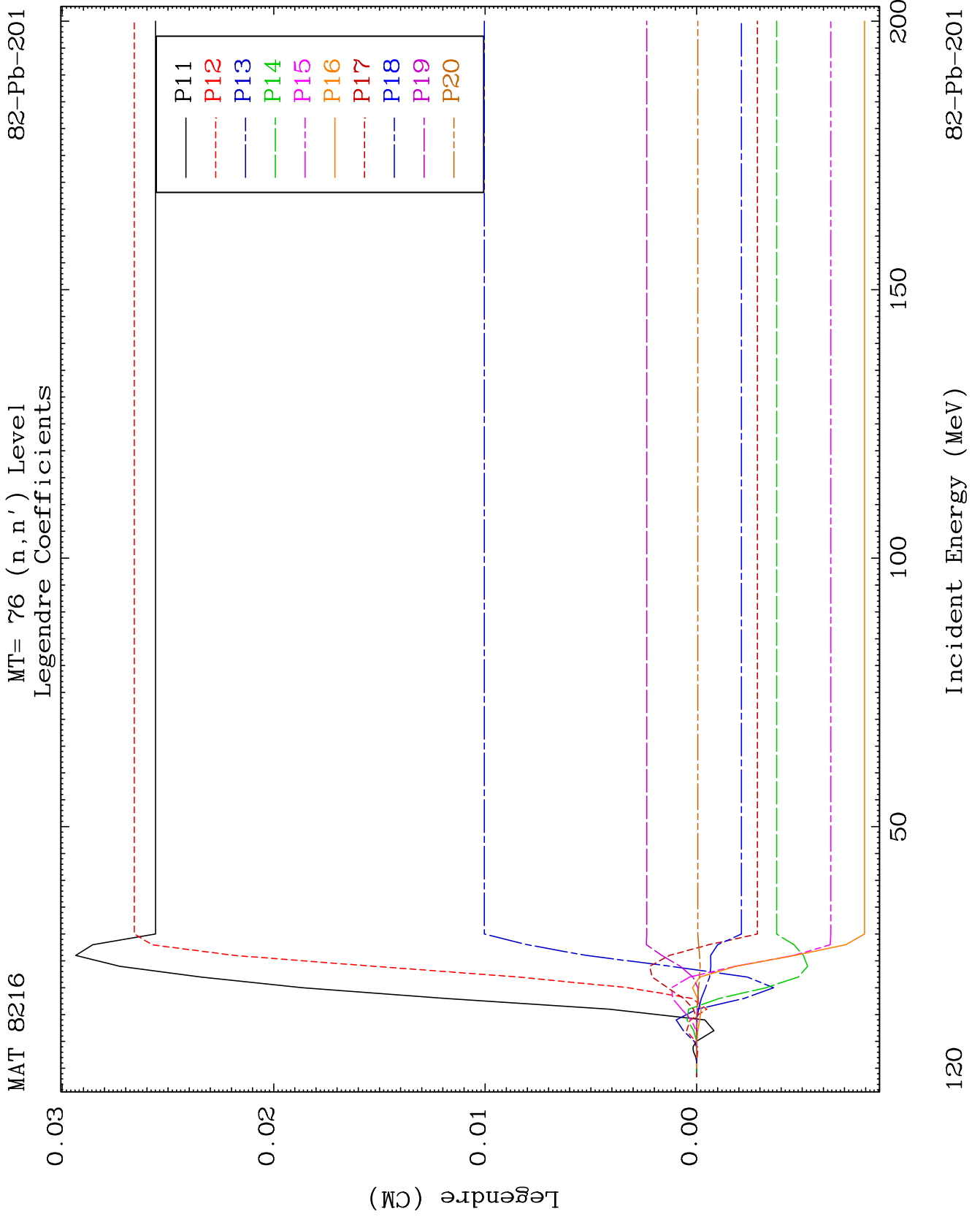
82-Pb-201



119

Incident Energy (MeV)

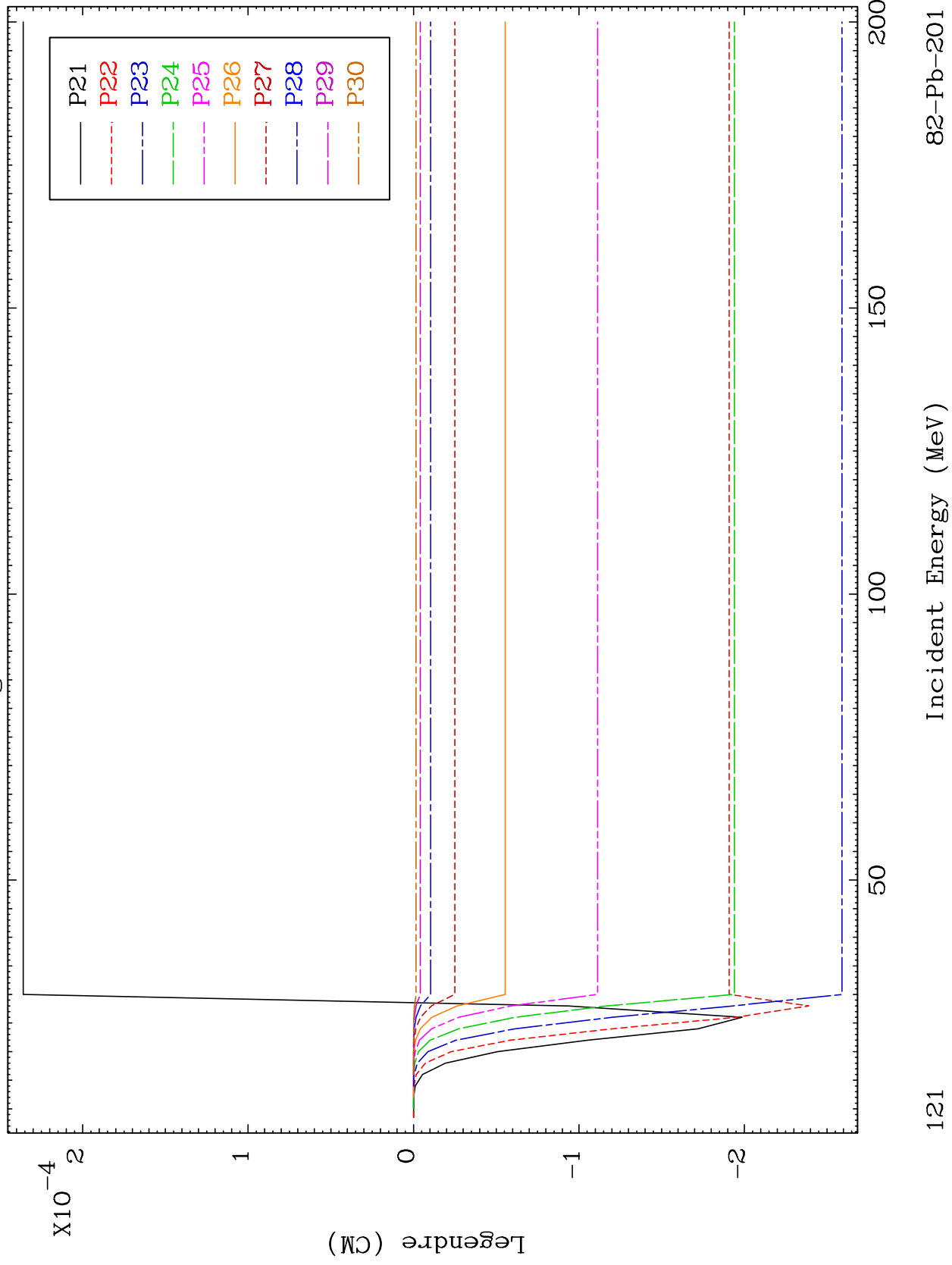
82-Pb-201



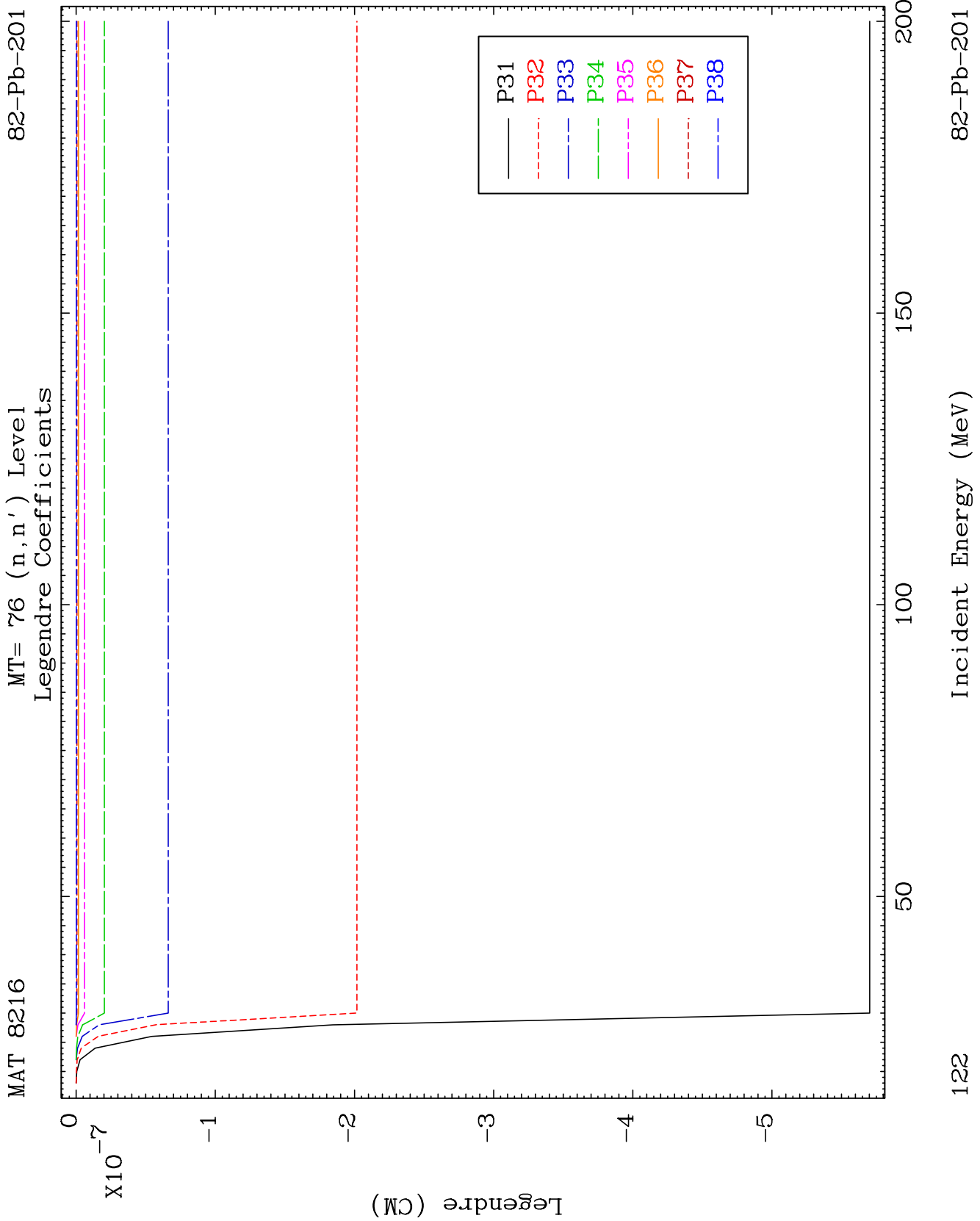
MAT 8216

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

82-Pb-201



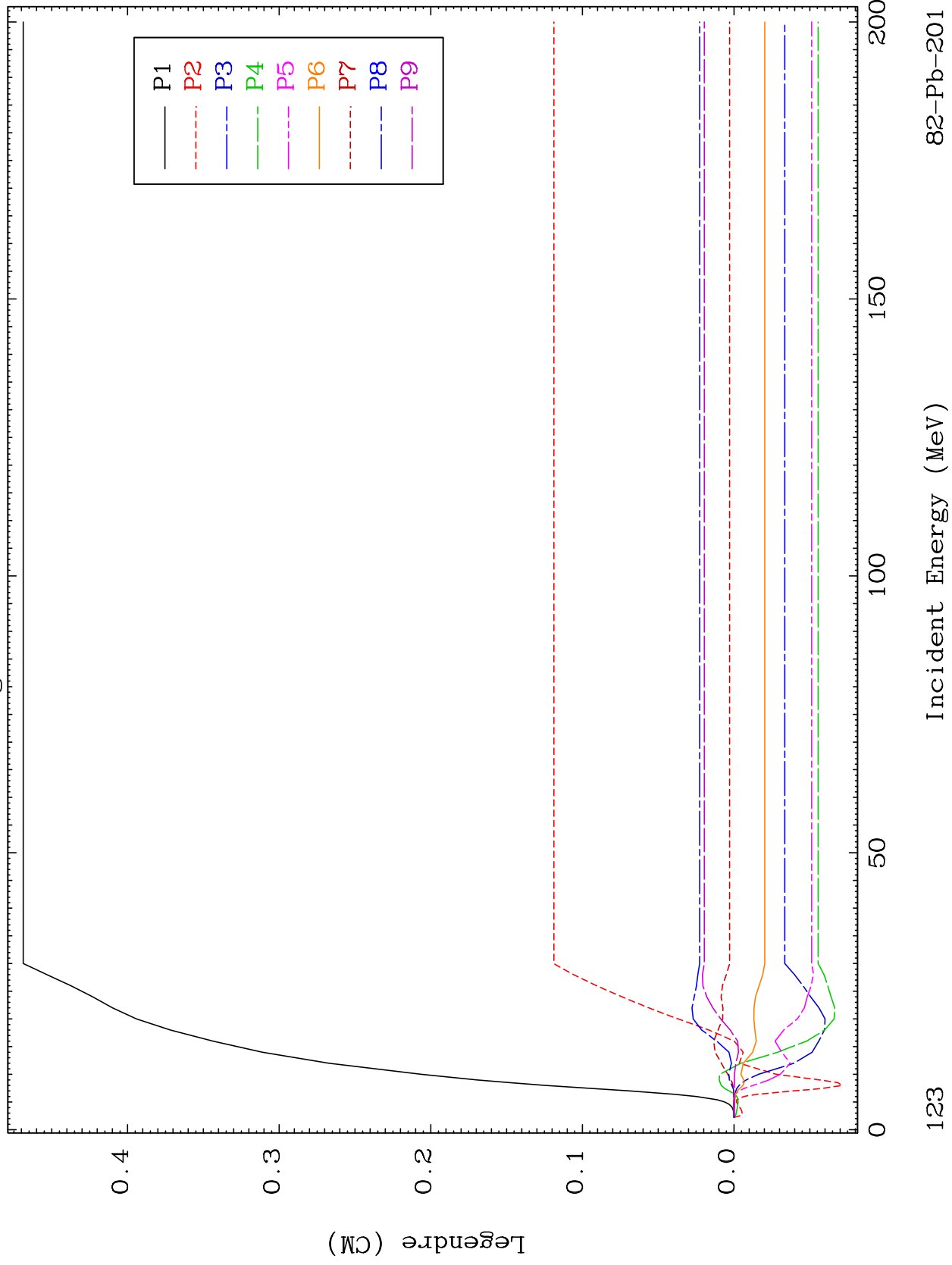
121



MAT 8216

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

82-Pb-201



123

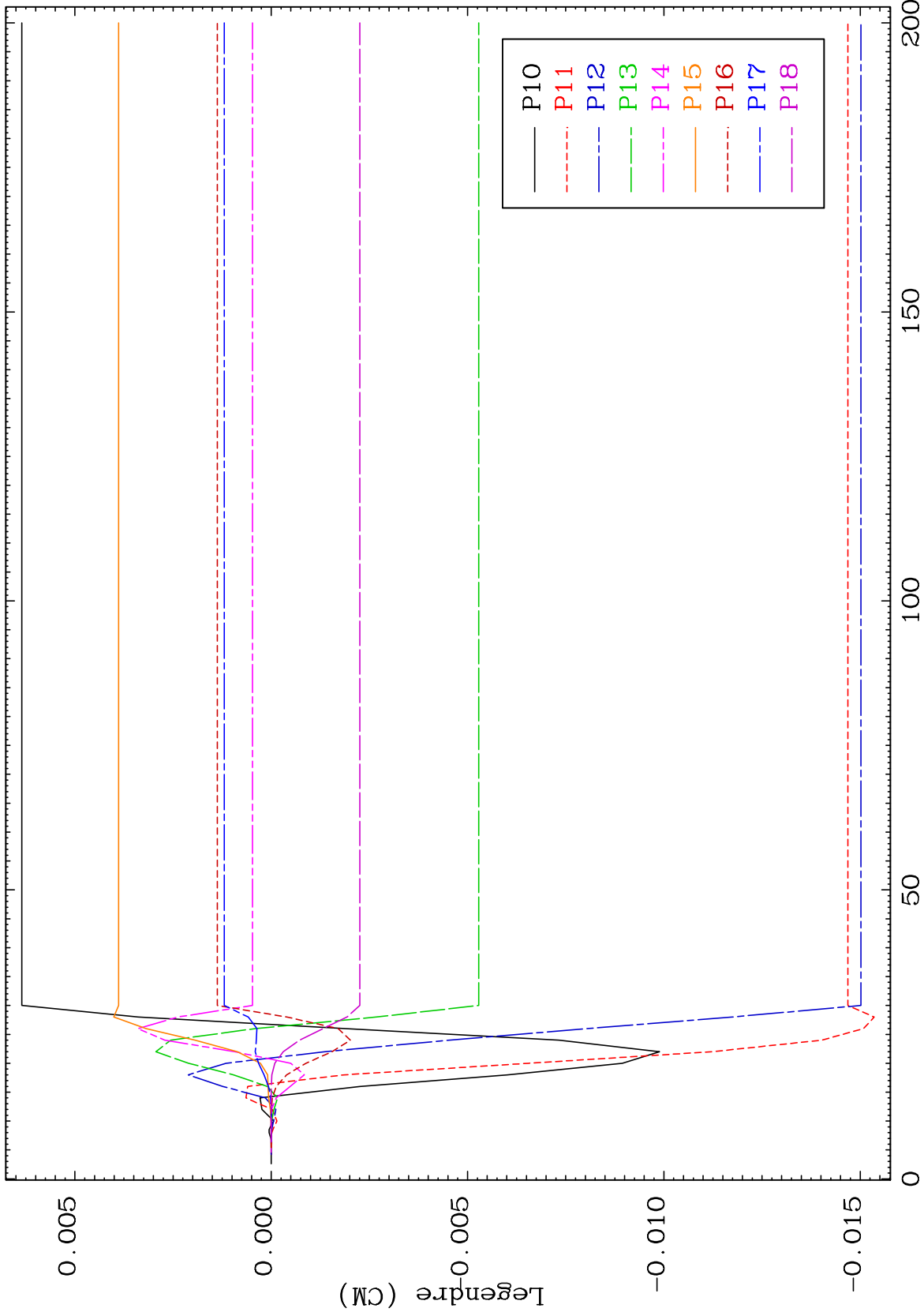
Incident Energy (MeV)

82-Pb-201

MAT 8216

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

82-Pb-201



124

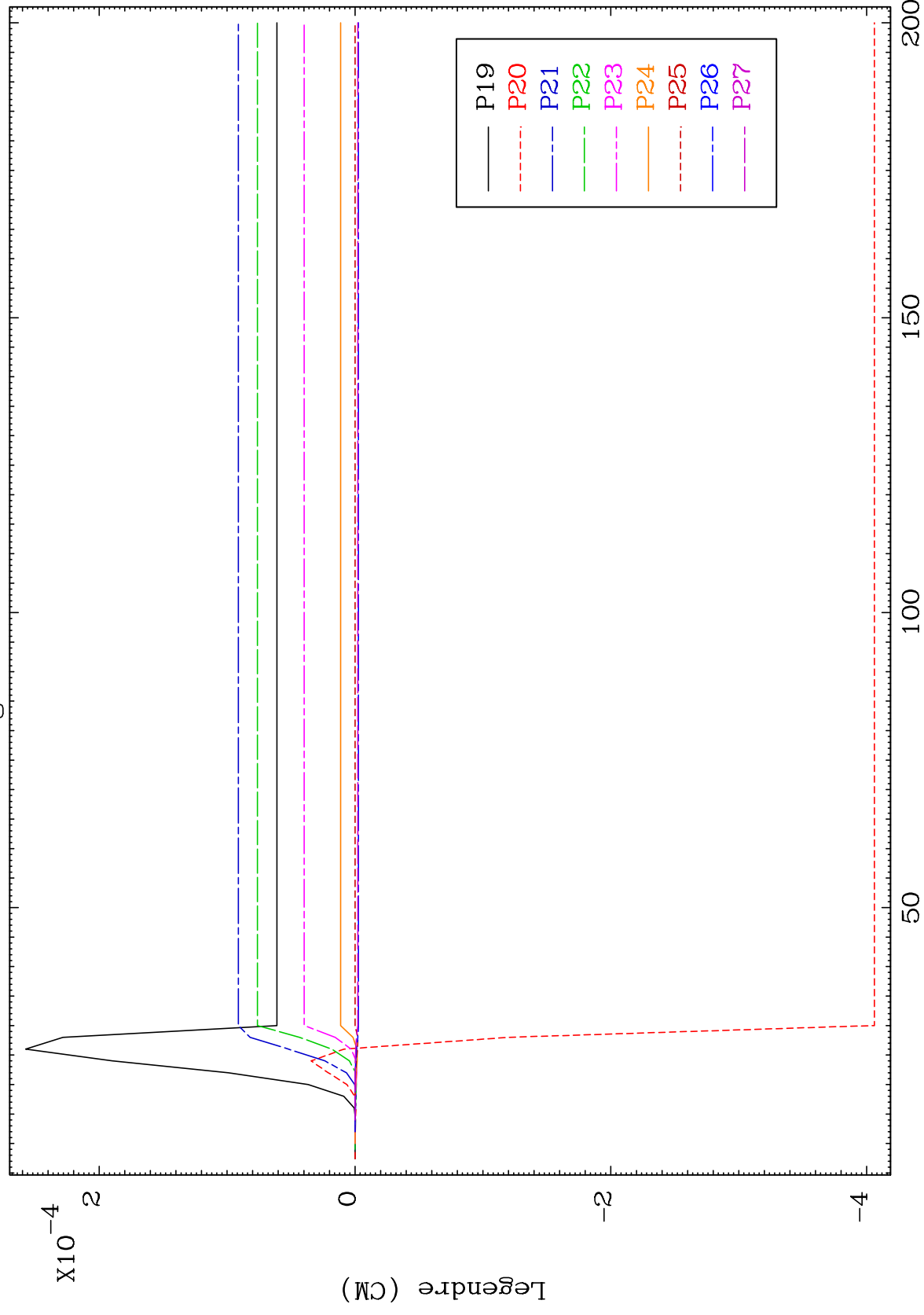
Incident Energy (MeV)

82-Pb-201

MAT 8216

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

82-Pb-201



125

Incident Energy (MeV)

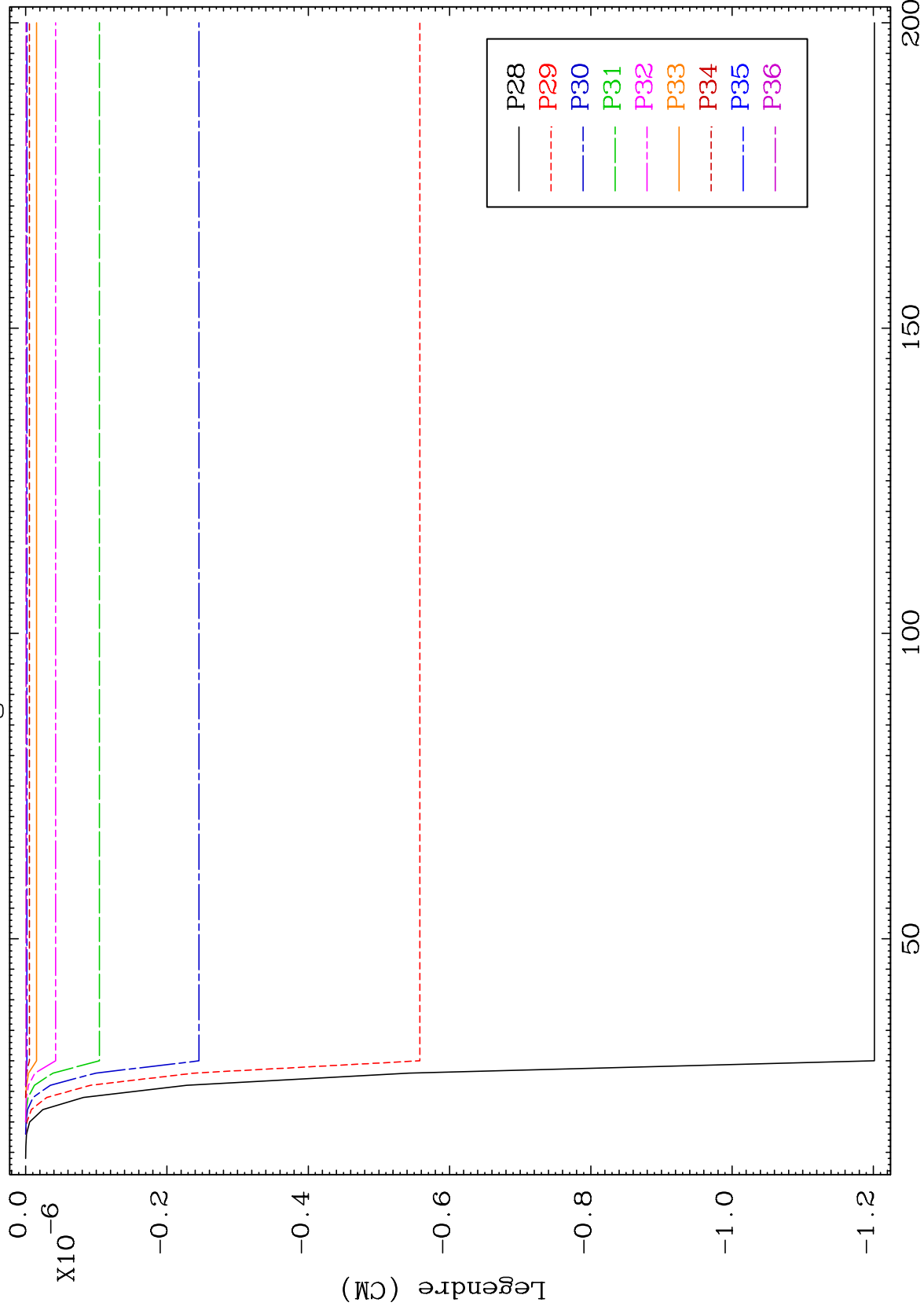
82-Pb-201

MAT 8216

MT= 77 (n,n') Level

82-Pb-201

Legendre Coefficients



126

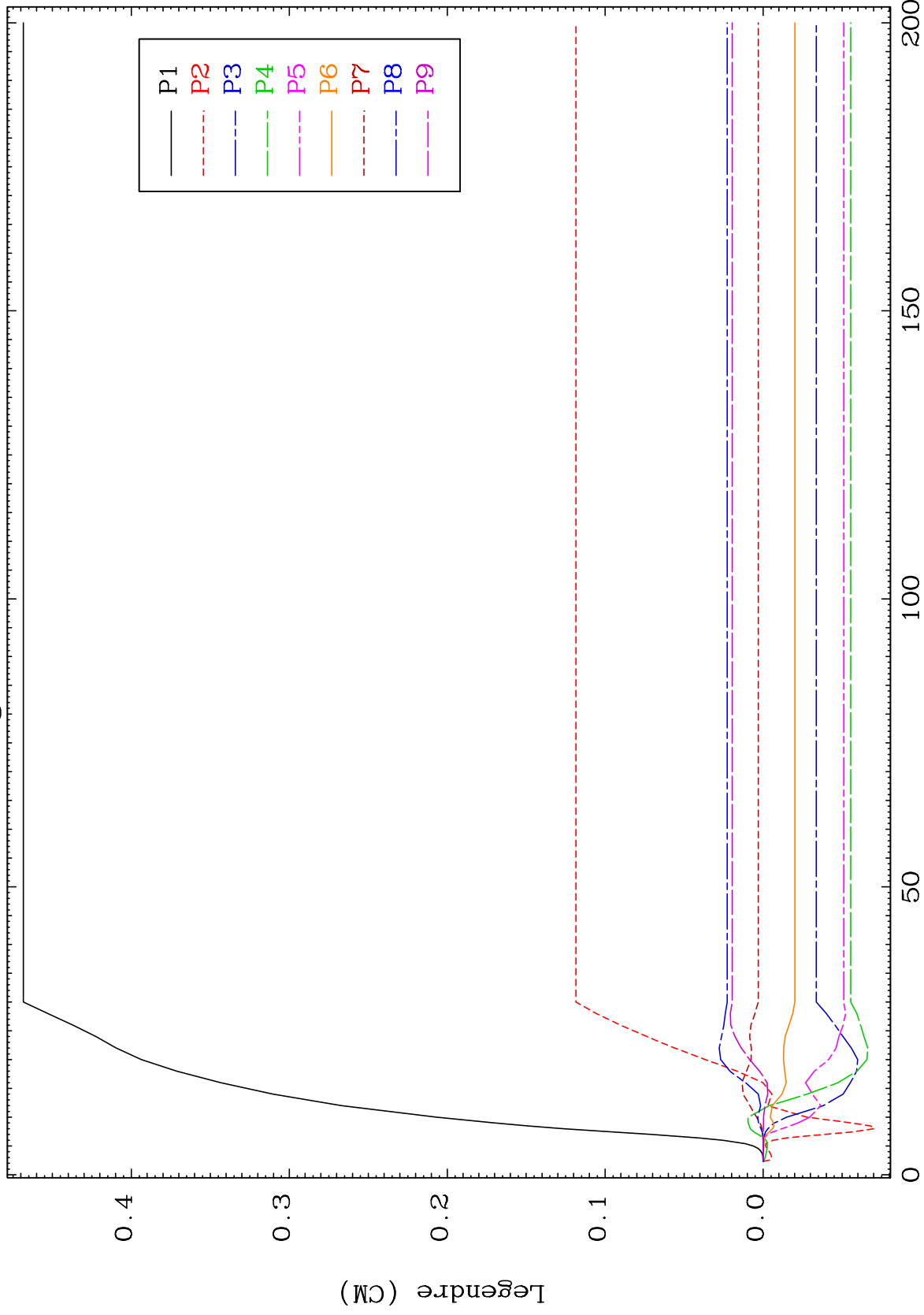
Incident Energy (MeV)

82-Pb-201

MAT 8216

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

82-Pb-201



127

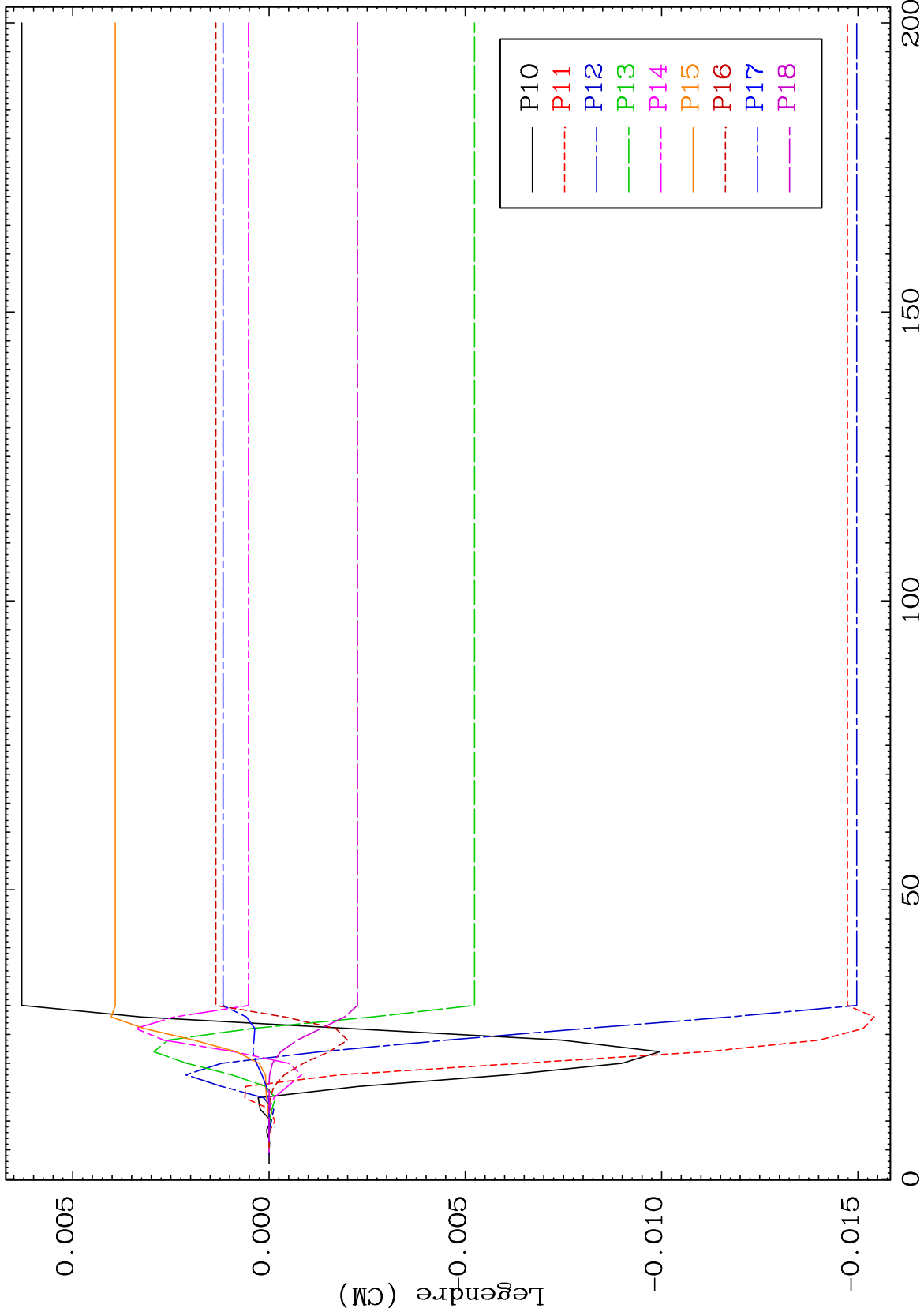
Incident Energy (MeV)

82-Pb-201

MAT 8216

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

82-Pb-201



128

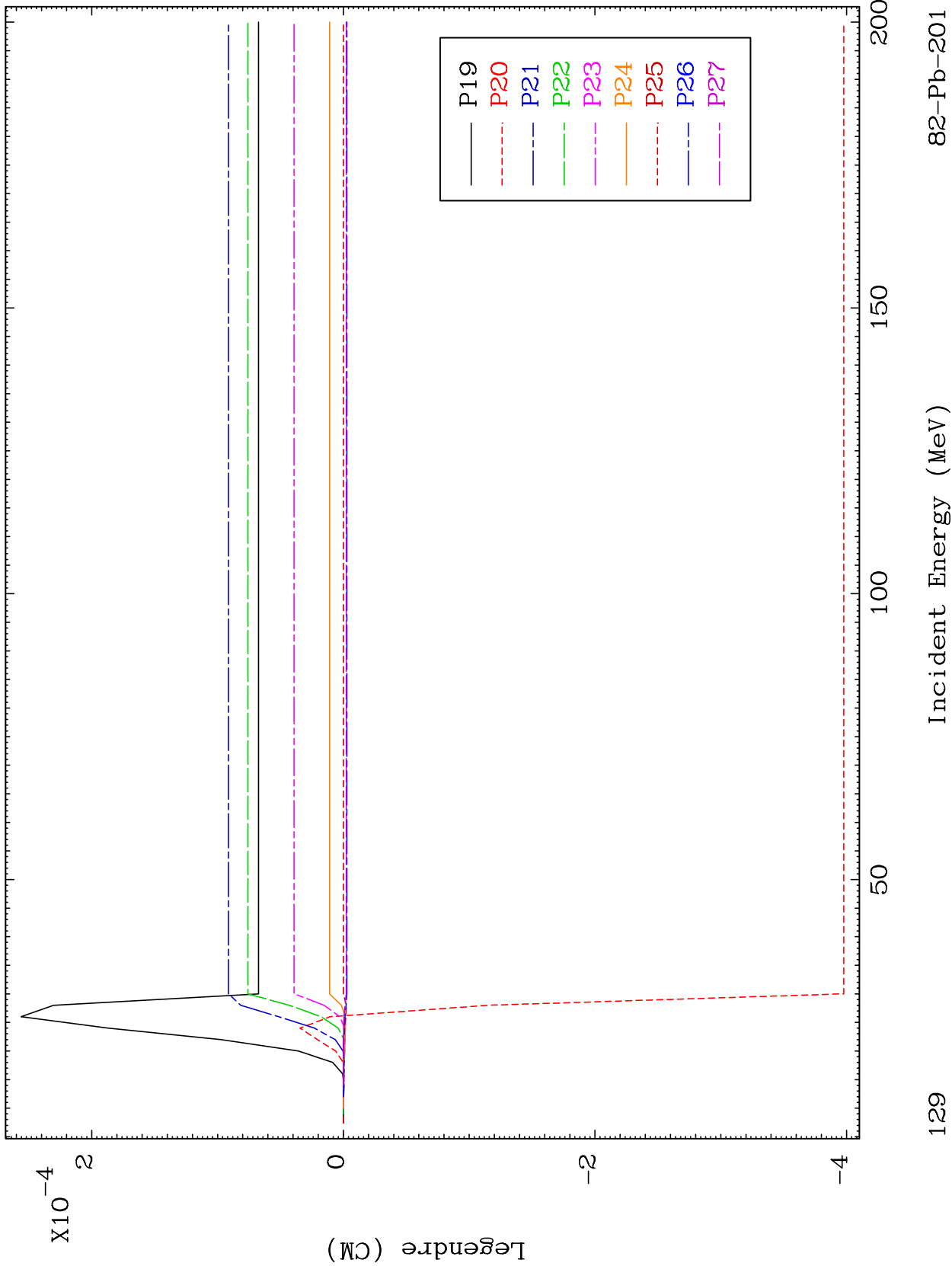
Incident Energy (MeV)

82-Pb-201

MAT 8216

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

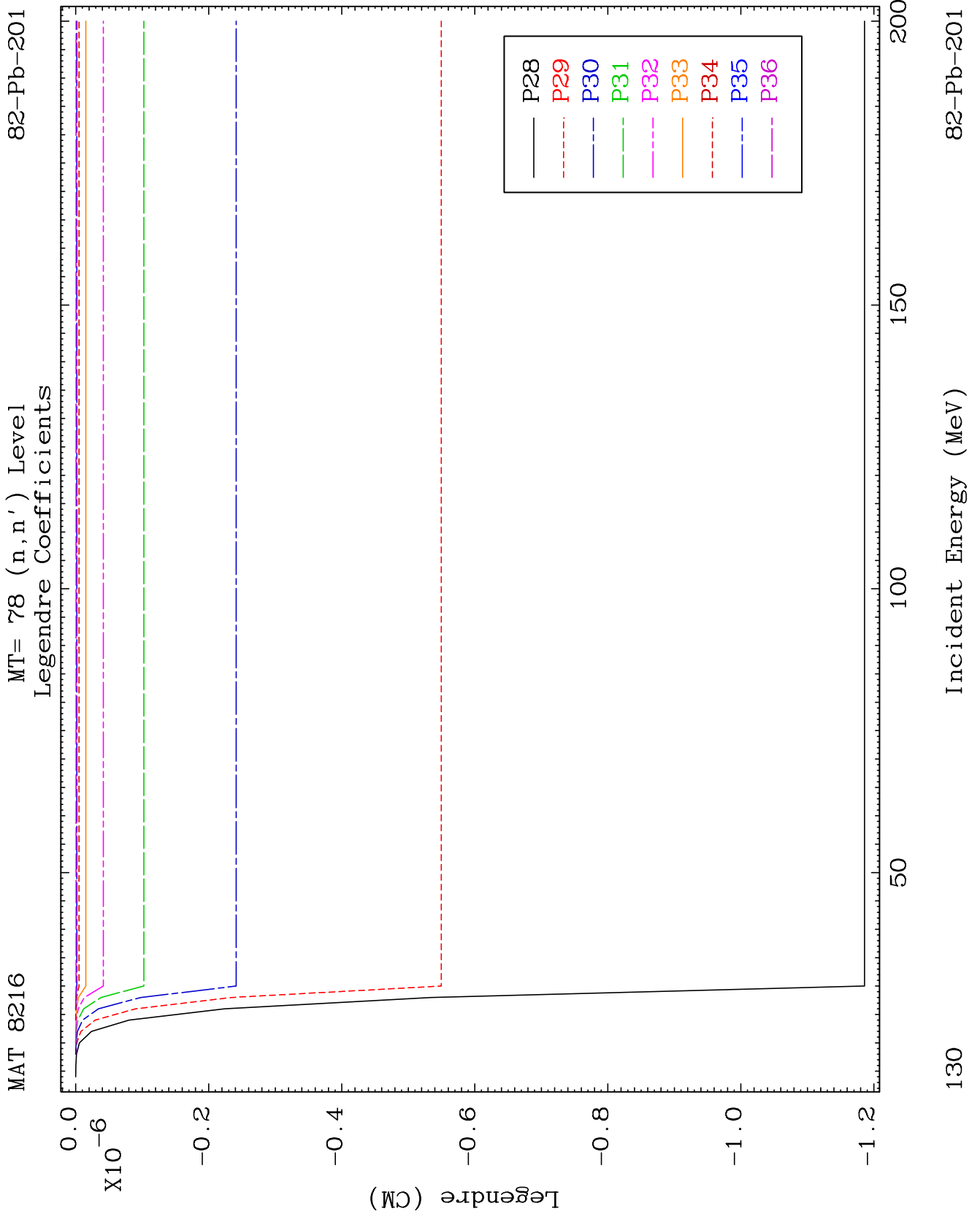
82-Pb-201



129

Incident Energy (MeV)

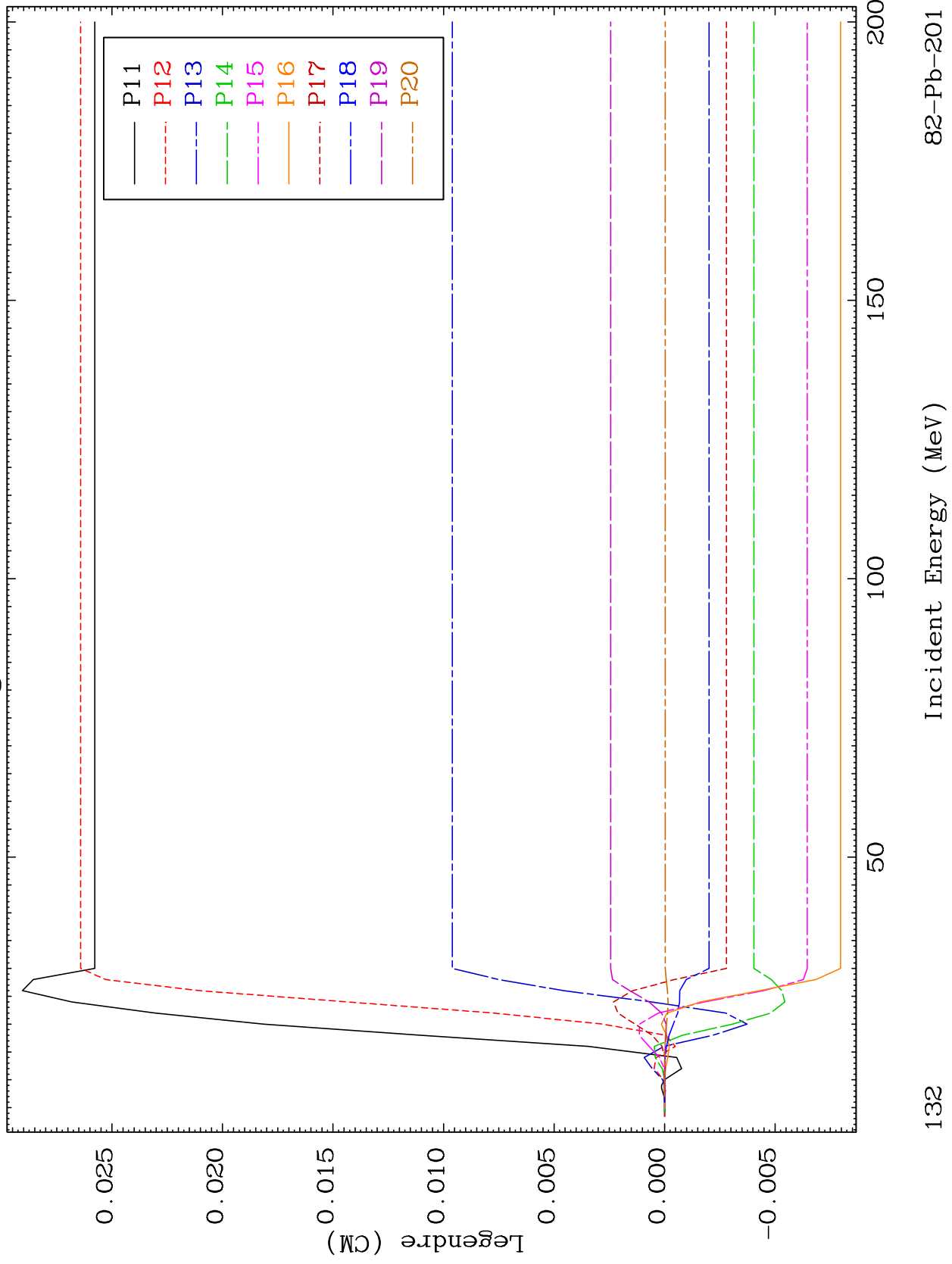
82-Pb-201



MAT 8216

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

82-Pb-201



132

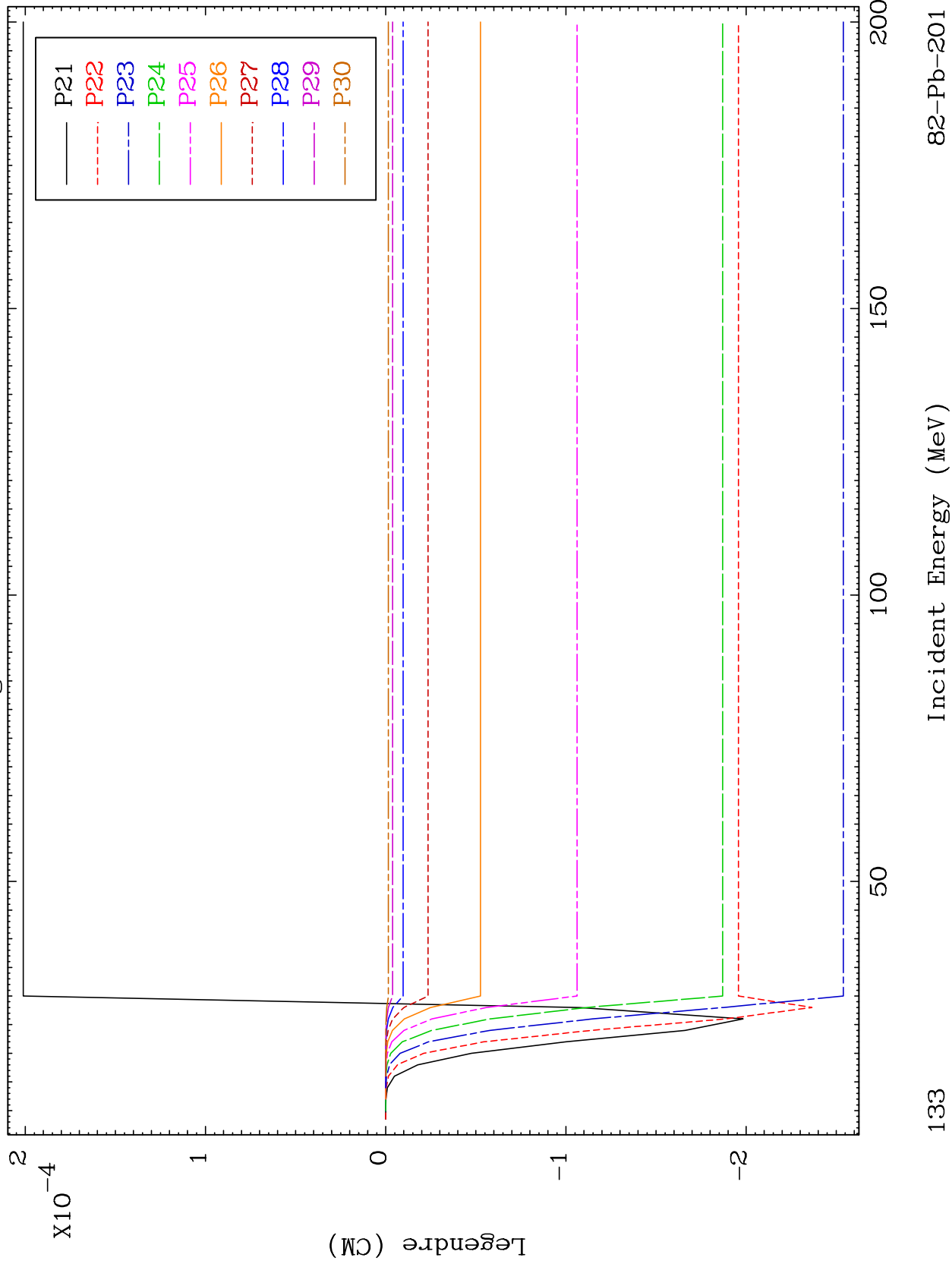
Incident Energy (MeV)

82-Pb-201

MAT 8216

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

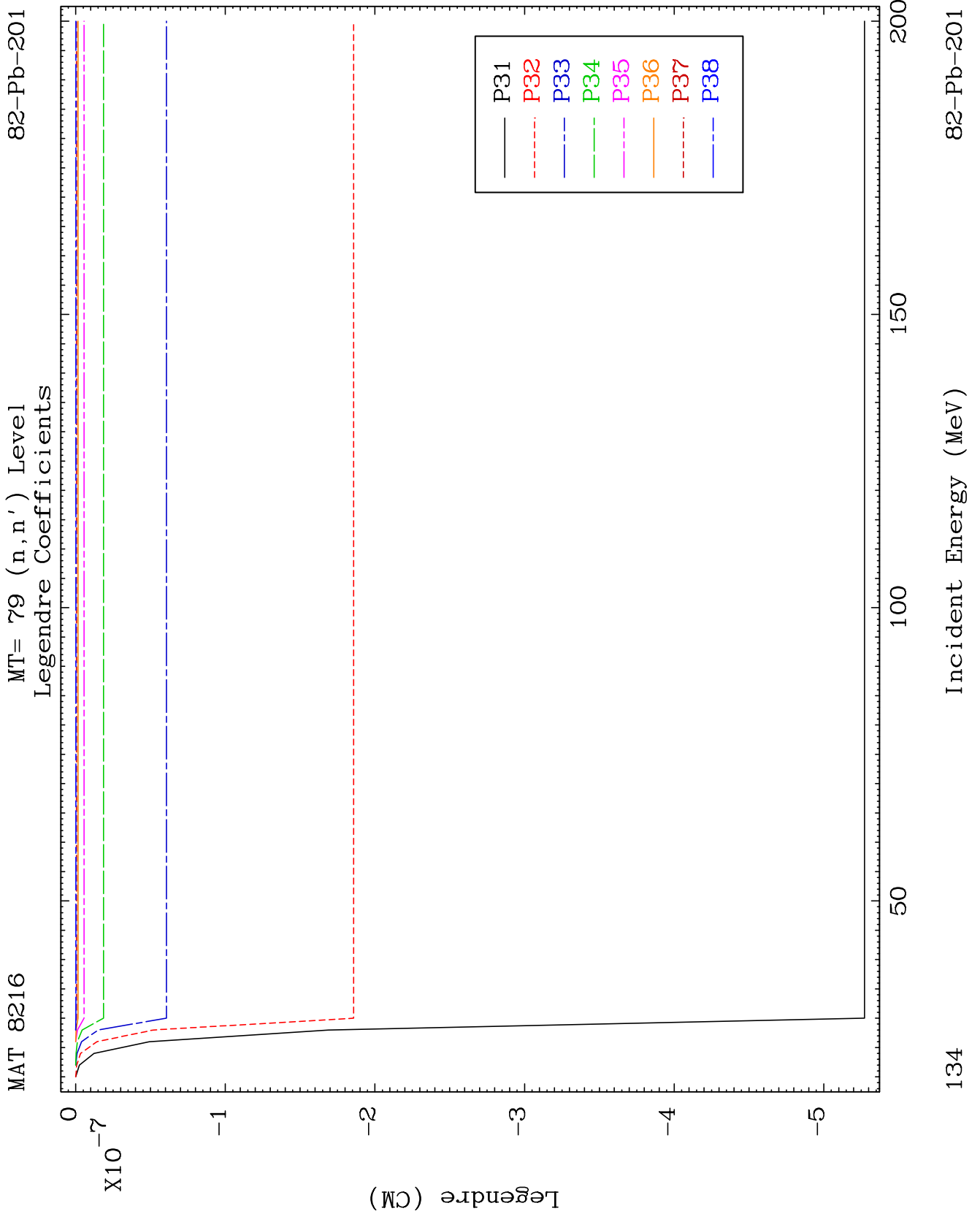
82-Pb-201



133

Incident Energy (MeV)

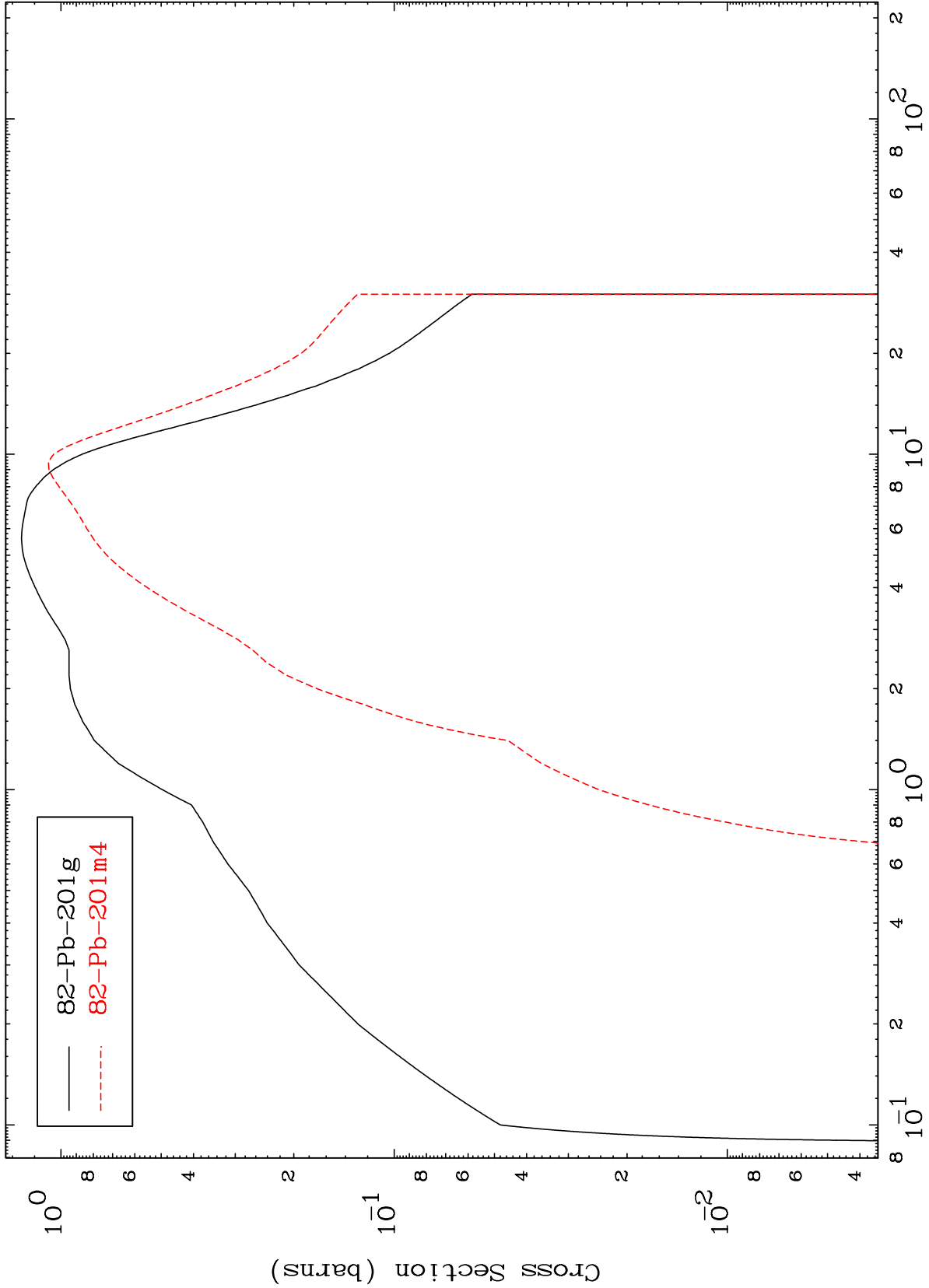
82-Pb-201



MAT 8216

82-Pb-201

Inelastic
Radionuclide Production Cross Section



— 82-Pb-201 g
- - - 82-Pb-201 m4

Incident Energy (MeV)

82-Pb-201

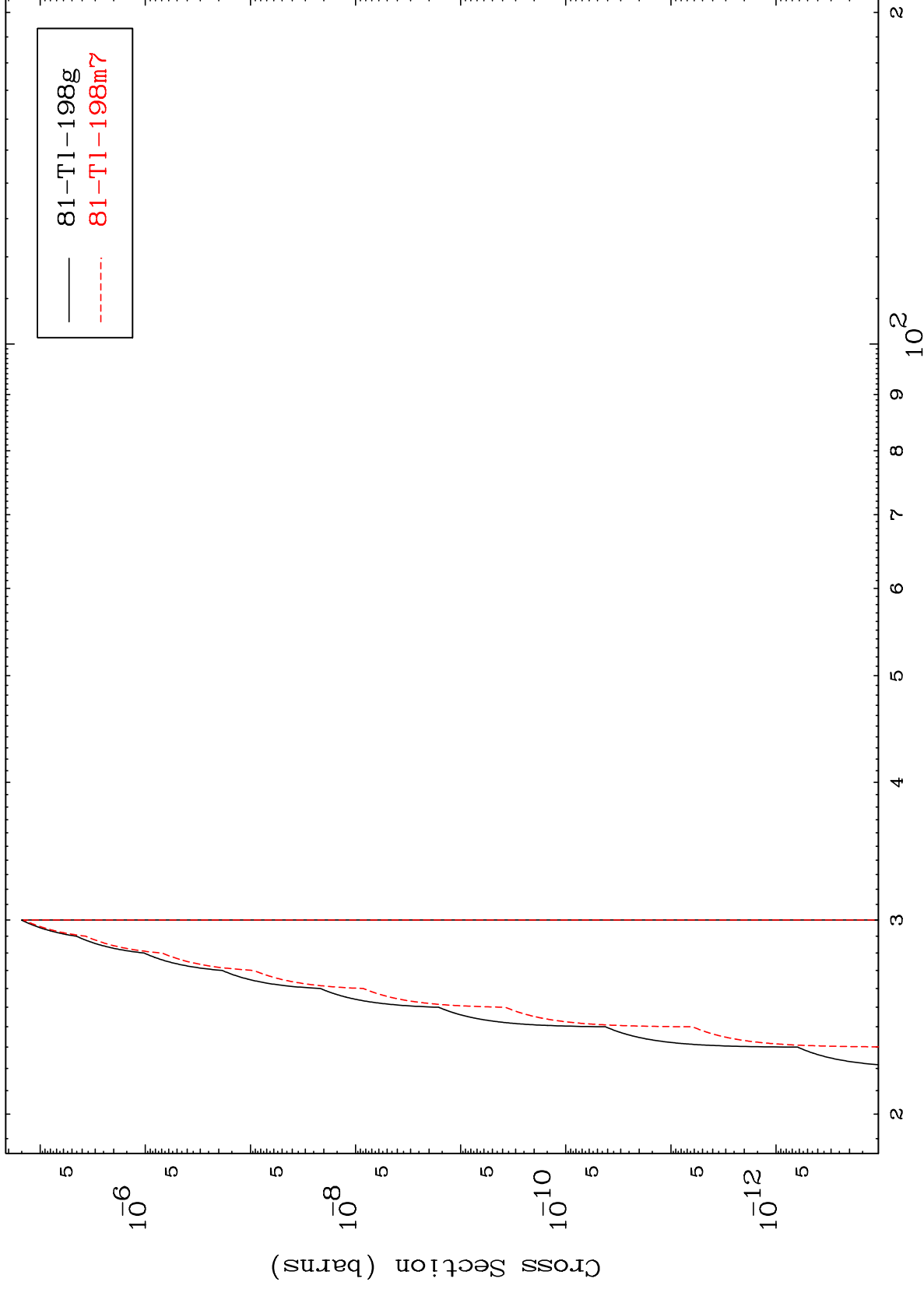
135

MAT 8216

(n,2n) d

82-Pb-201

Radionuclide Production Cross Section



136

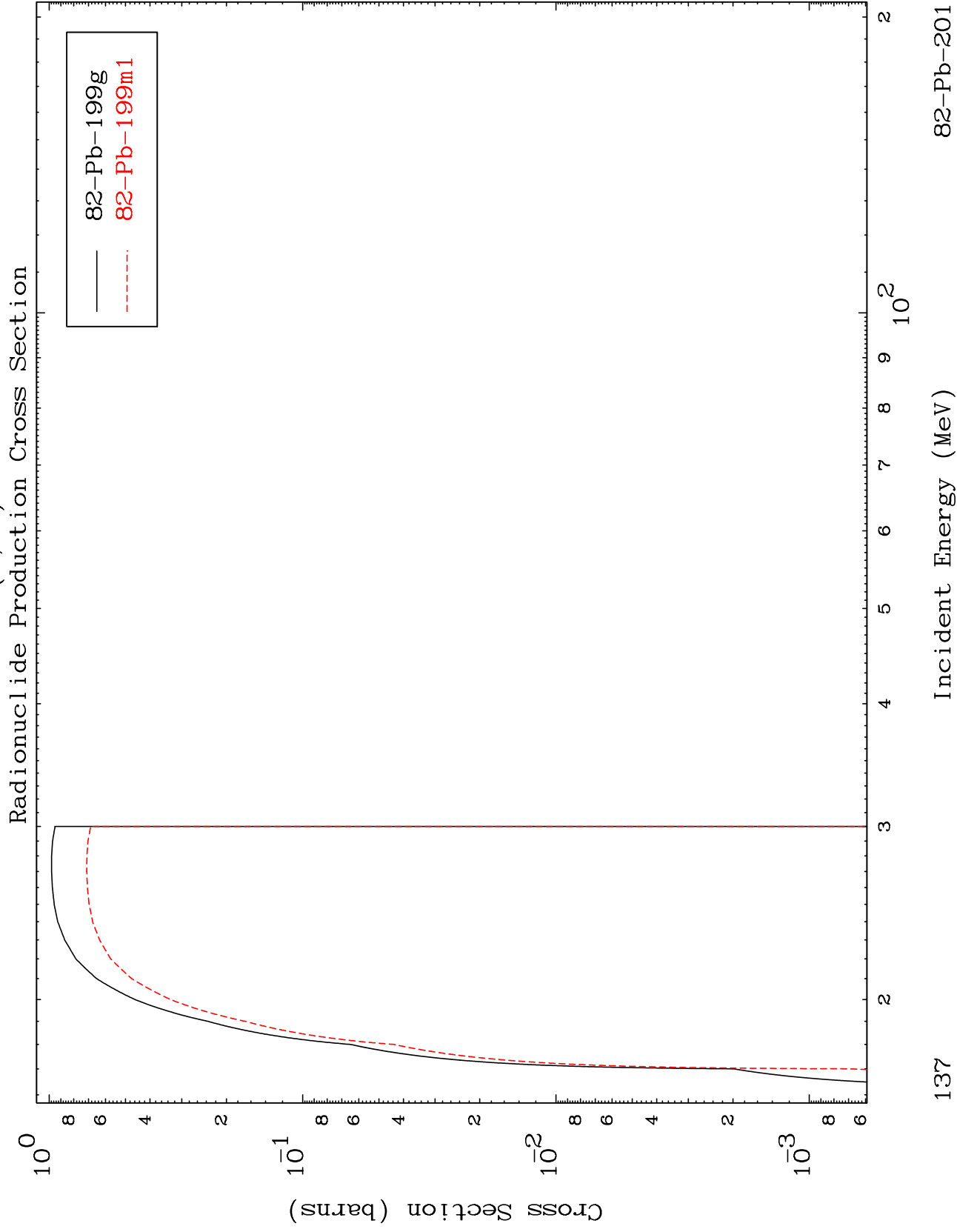
Incident Energy (MeV)

82-Pb-201

MAT 8216

(n,3n)

82-Pb-201



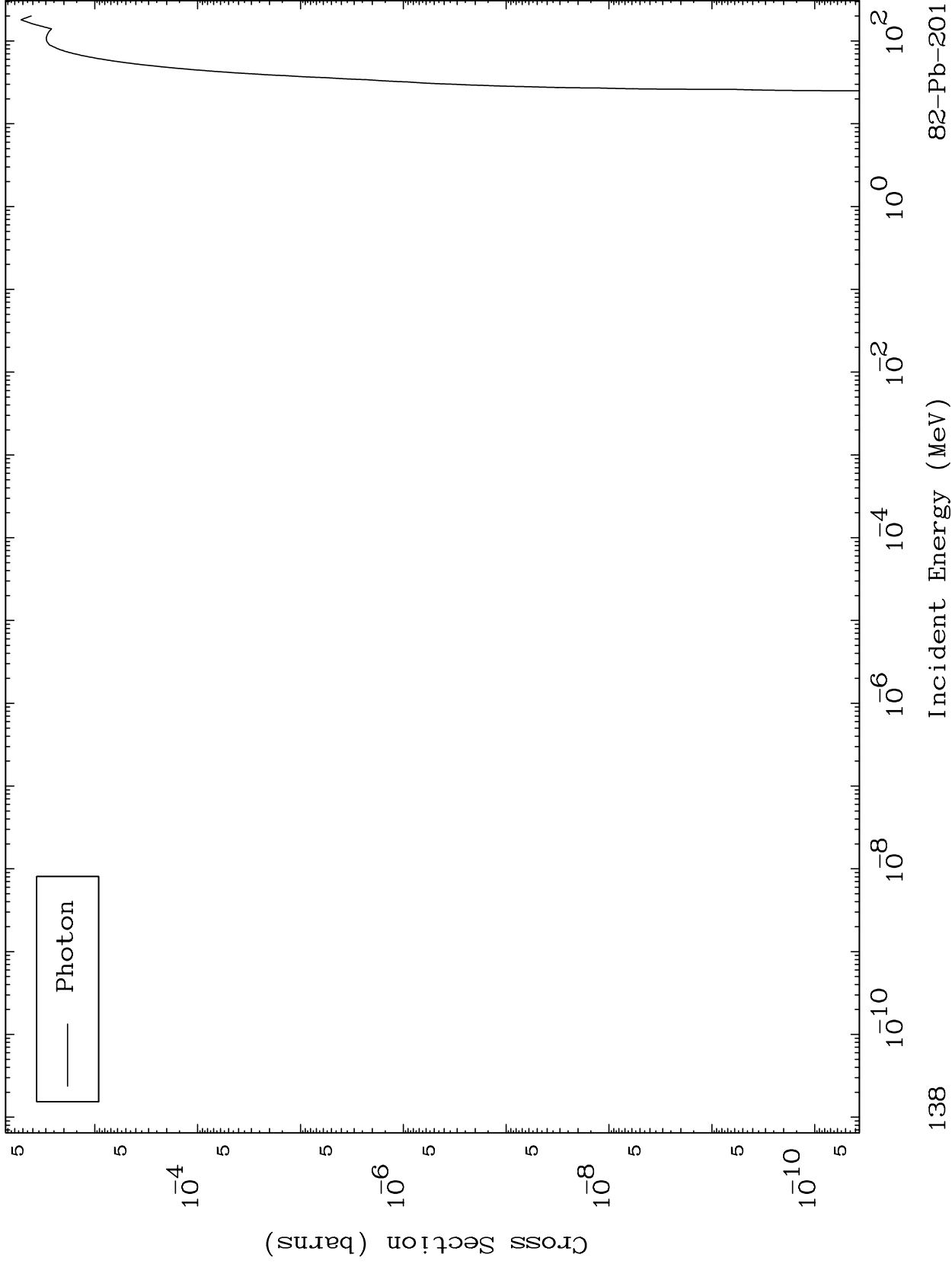
137

MAT 8216

Fission

82-Pb-201

Radionuclide Production Cross Section



138

Incident Energy (MeV)

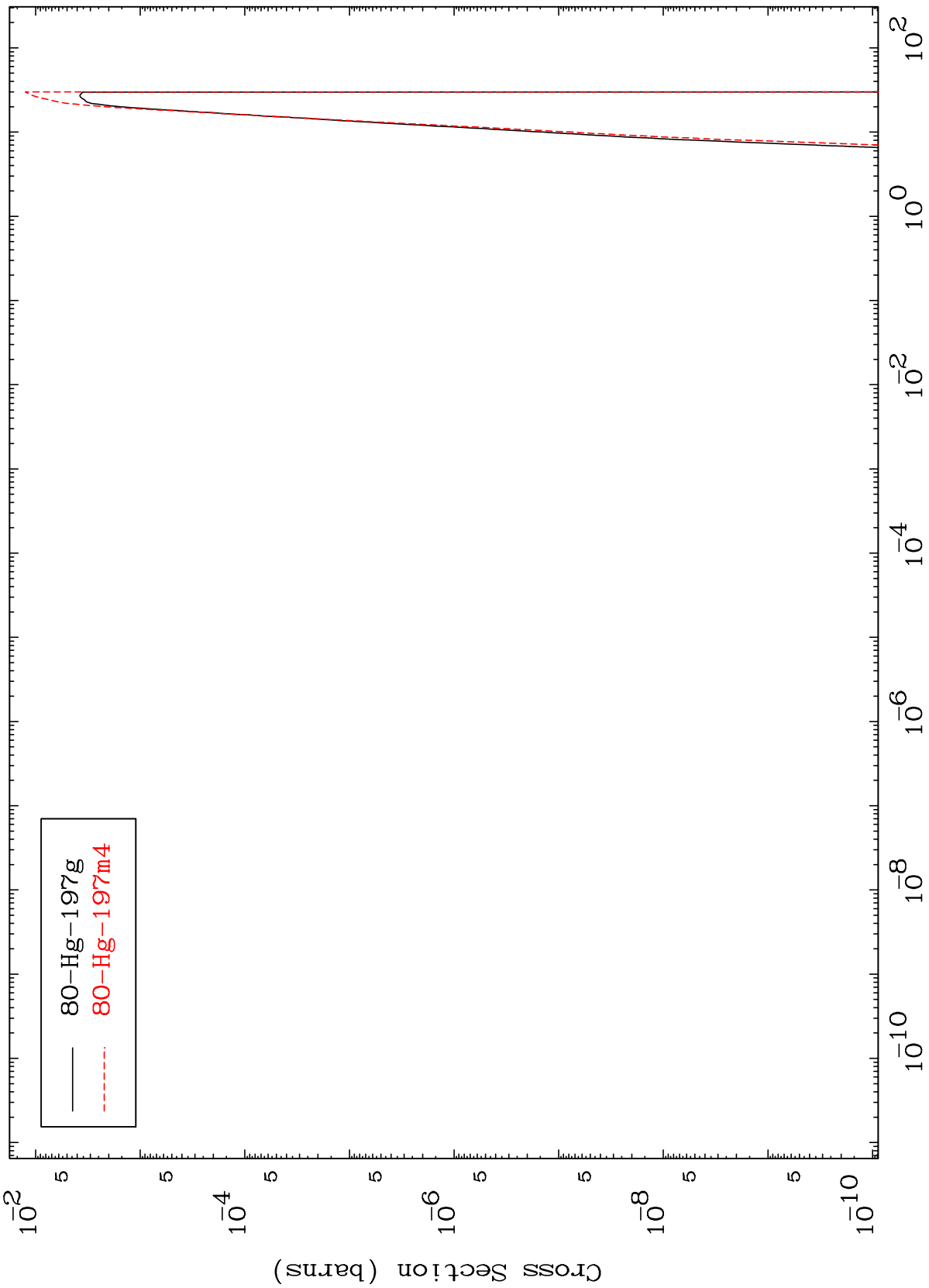
82-Pb-201

MAT 8216

$(n, n') \alpha$

82-Pb-201

Radionuclide Production Cross Section



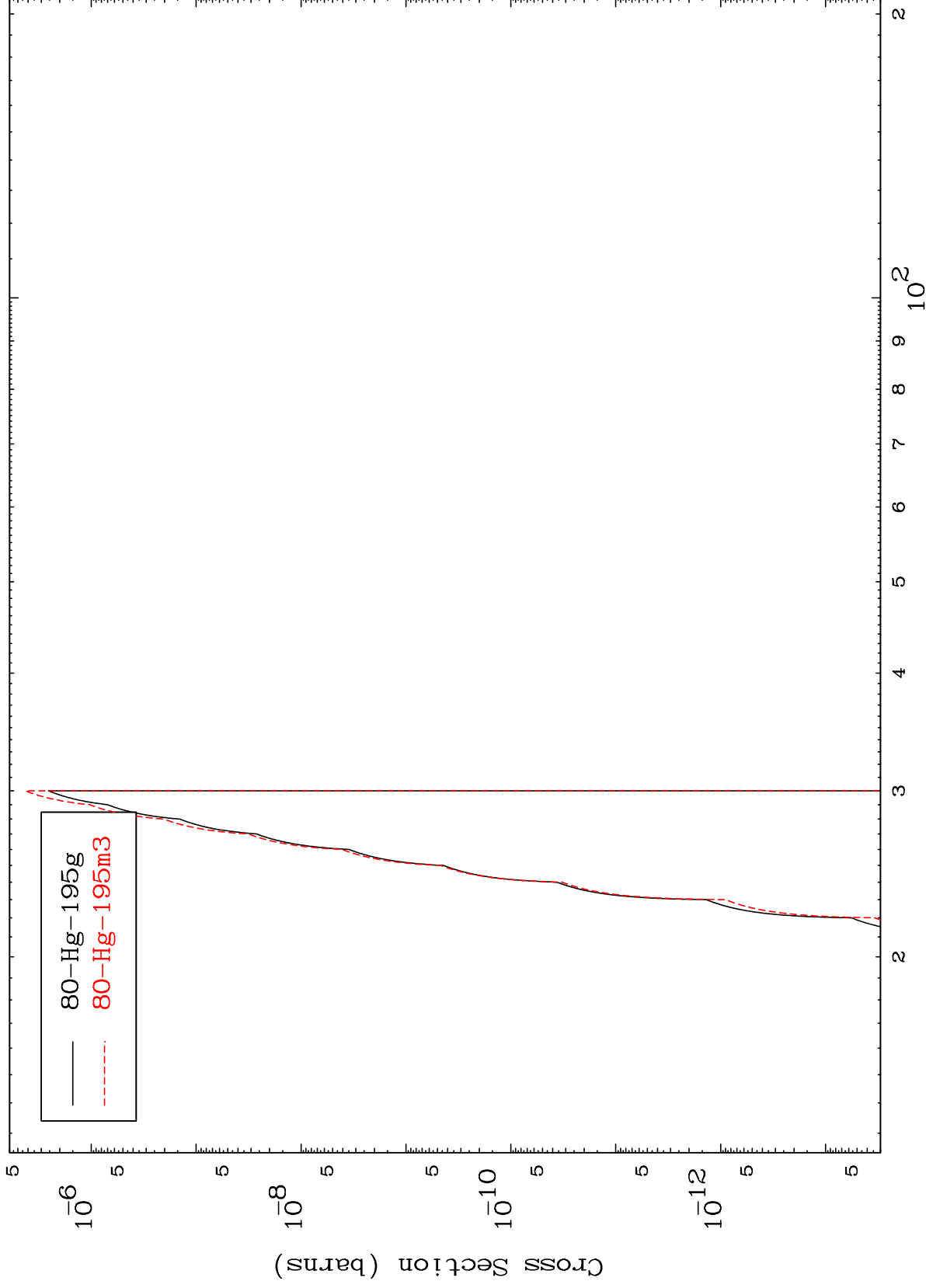
80-Hg-197g
80-Hg-197m4

MAT 8216

(n,3n) α

82-Pb-201

Radionuclide Production Cross Section



140

Incident Energy (MeV)

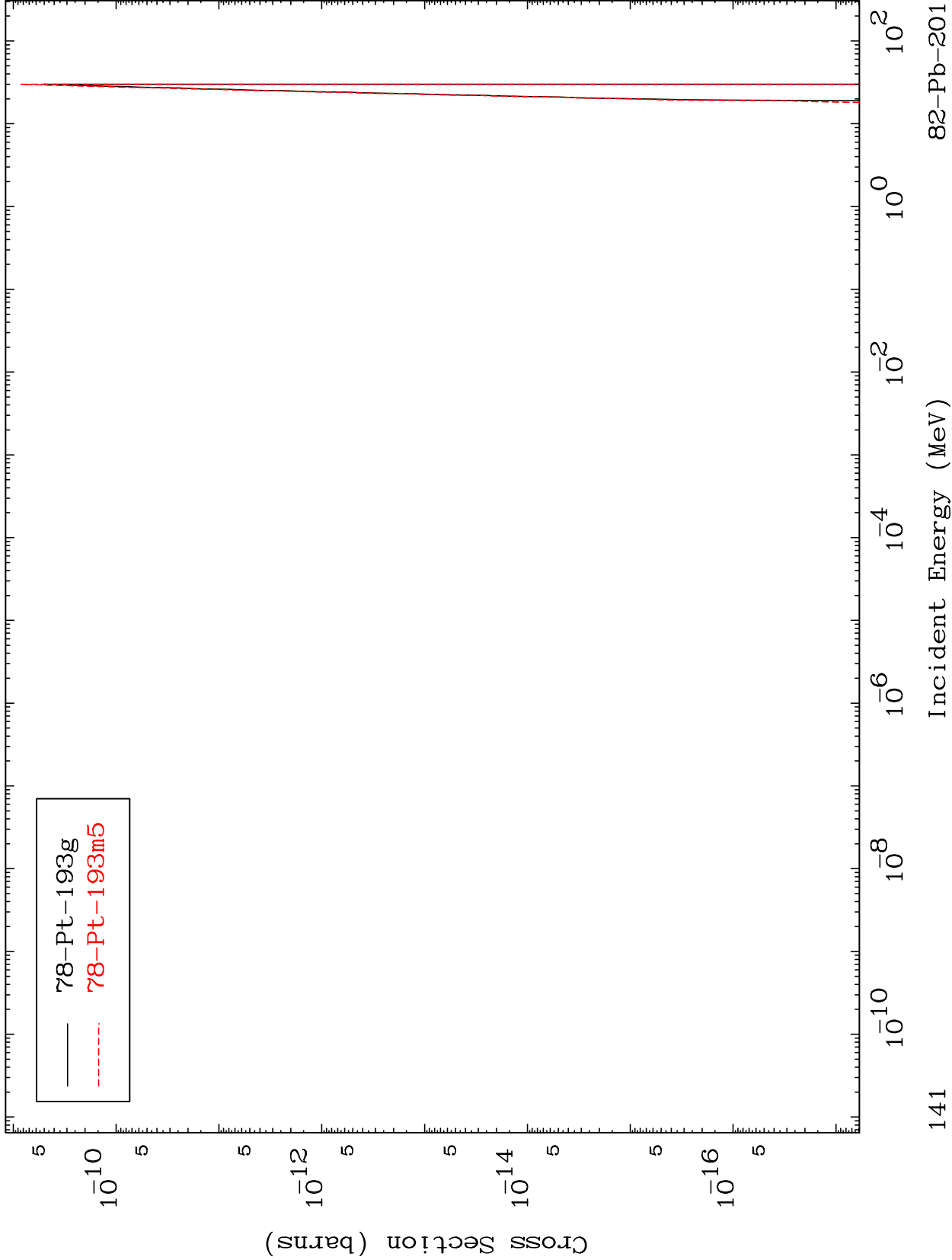
82-Pb-201

MAT 8216

(n,n') 2 α

82-Pb-201

Radionuclide Production Cross Section



141

Incident Energy (MeV)

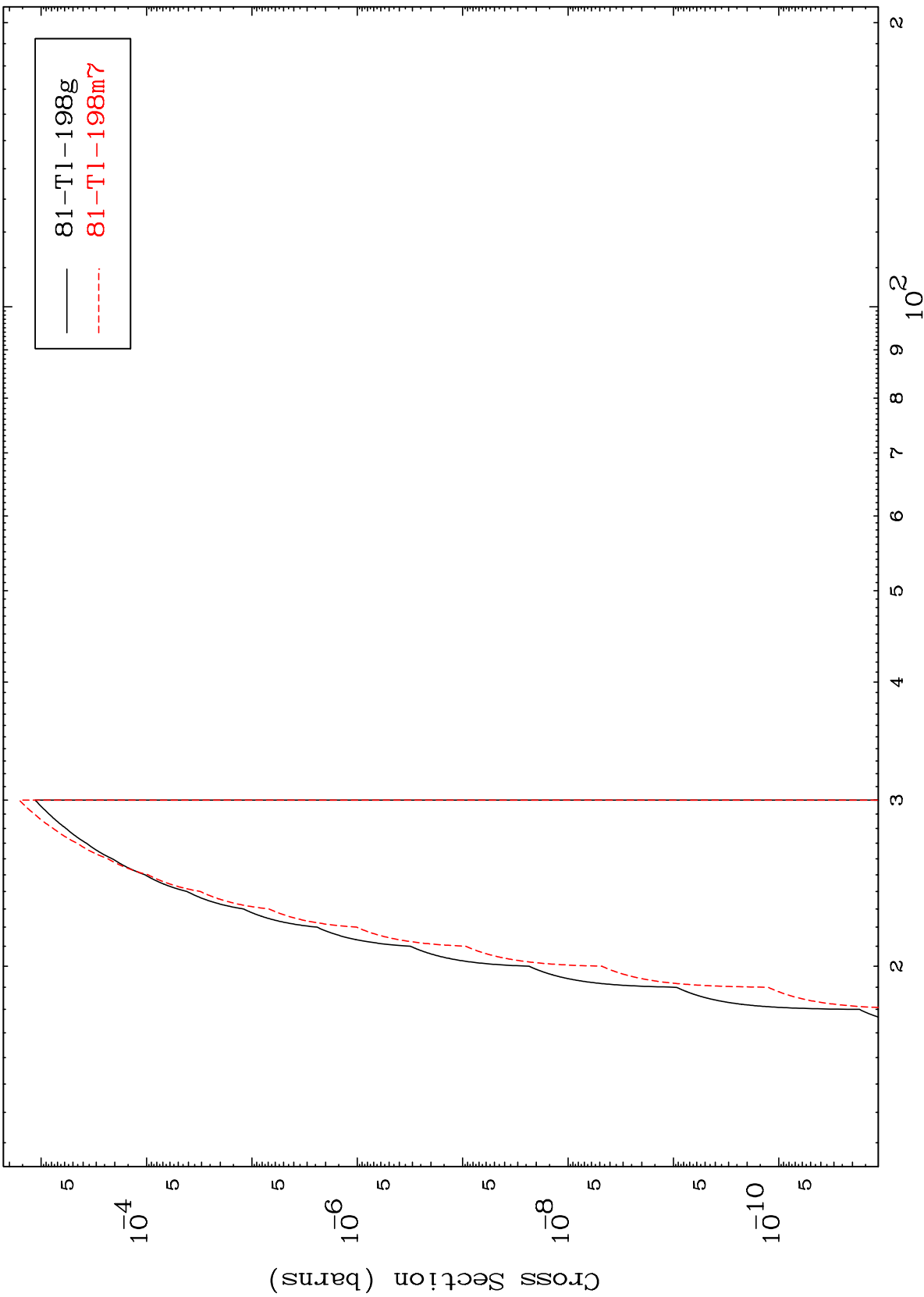
82-Pb-201

MAT 8216

(n,n') t

82-Pb-201

Radionuclide Production Cross Section



142

Incident Energy (MeV)

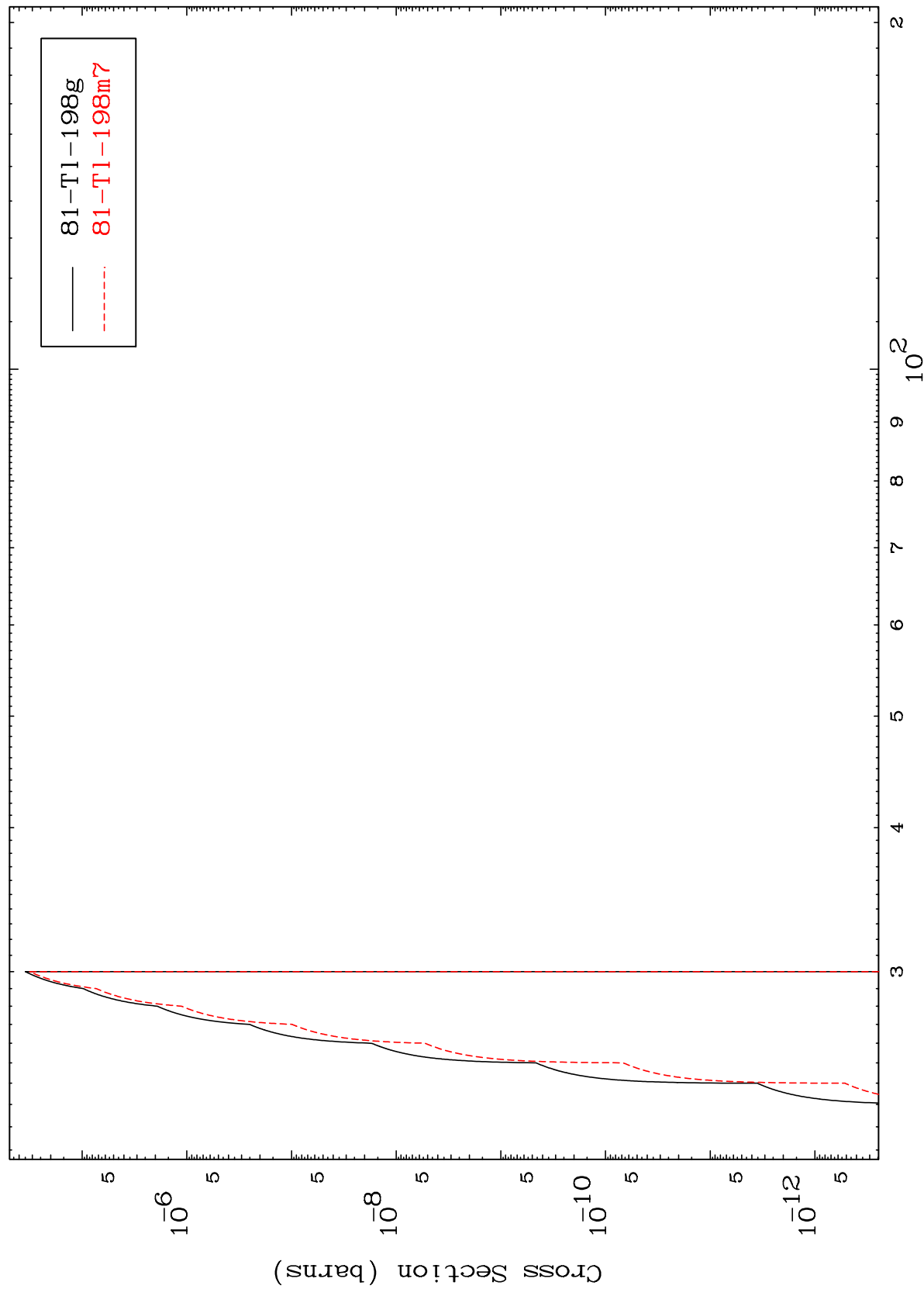
82-Pb-201

MAT 8216

(n,3n) p

82-Pb-201

Radionuclide Production Cross Section



143

Incident Energy (MeV)

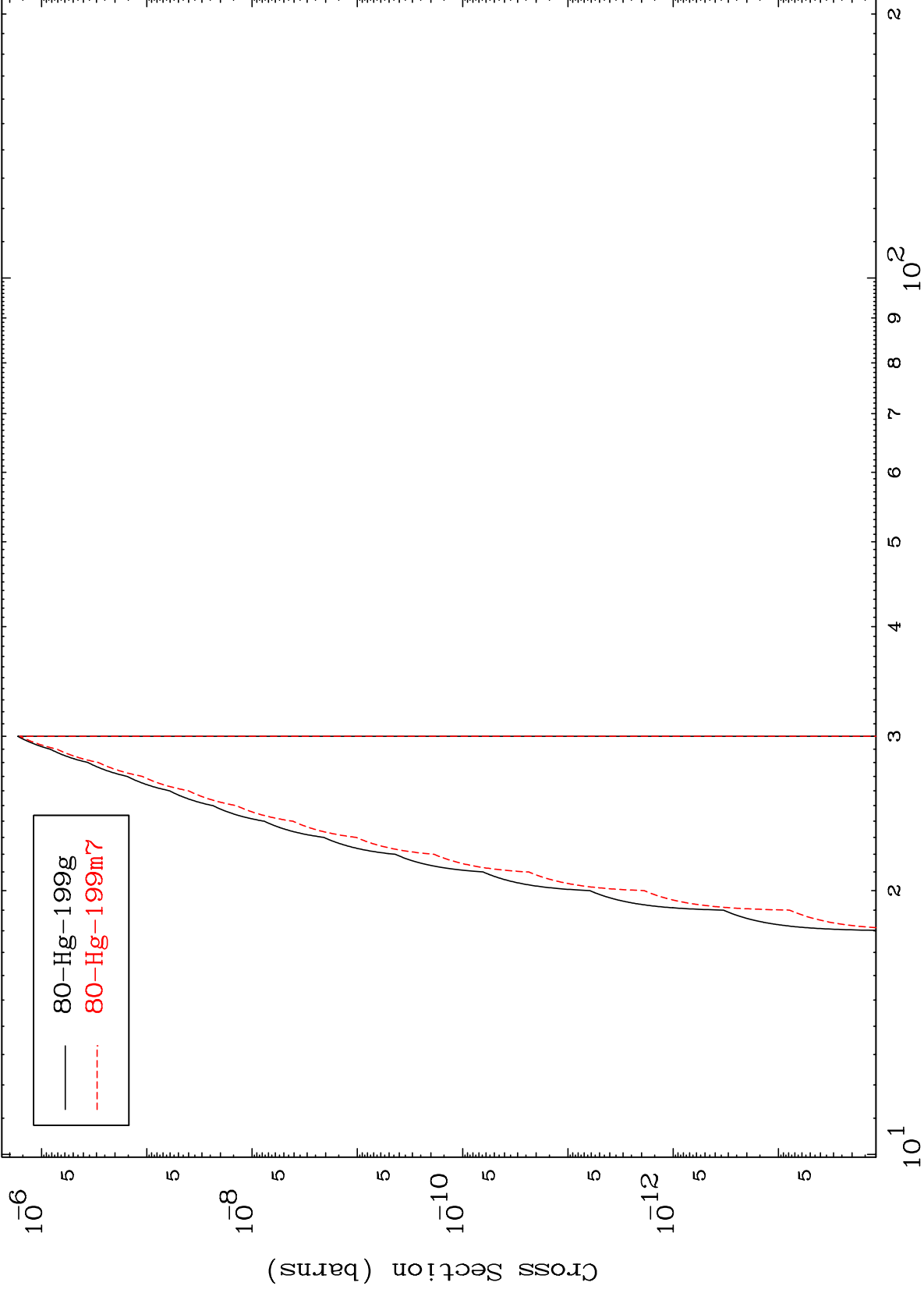
82-Pb-201

MAT 8216

(n,2n) p

82-Pb-201

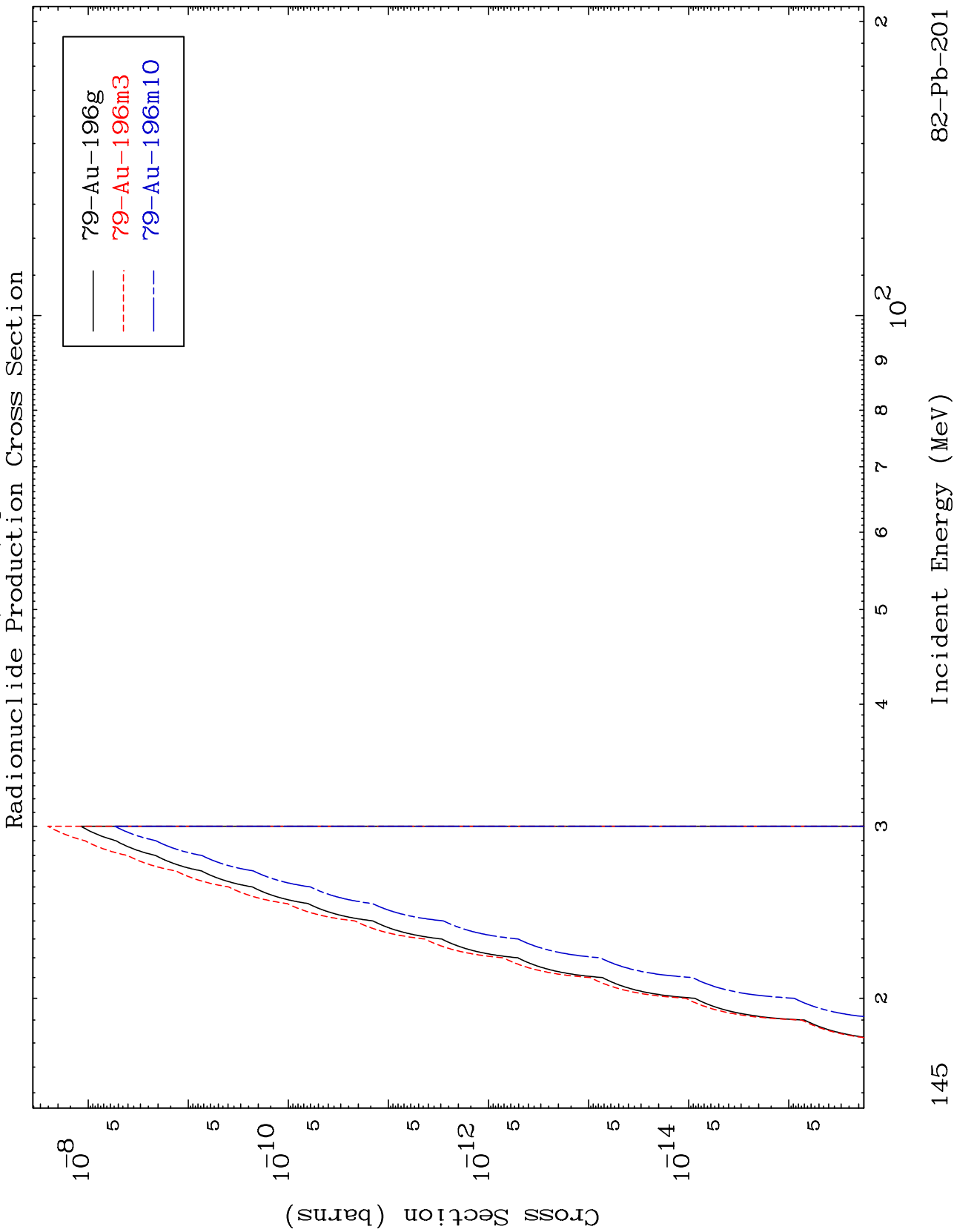
Radionuclide Production Cross Section



144

Incident Energy (MeV)

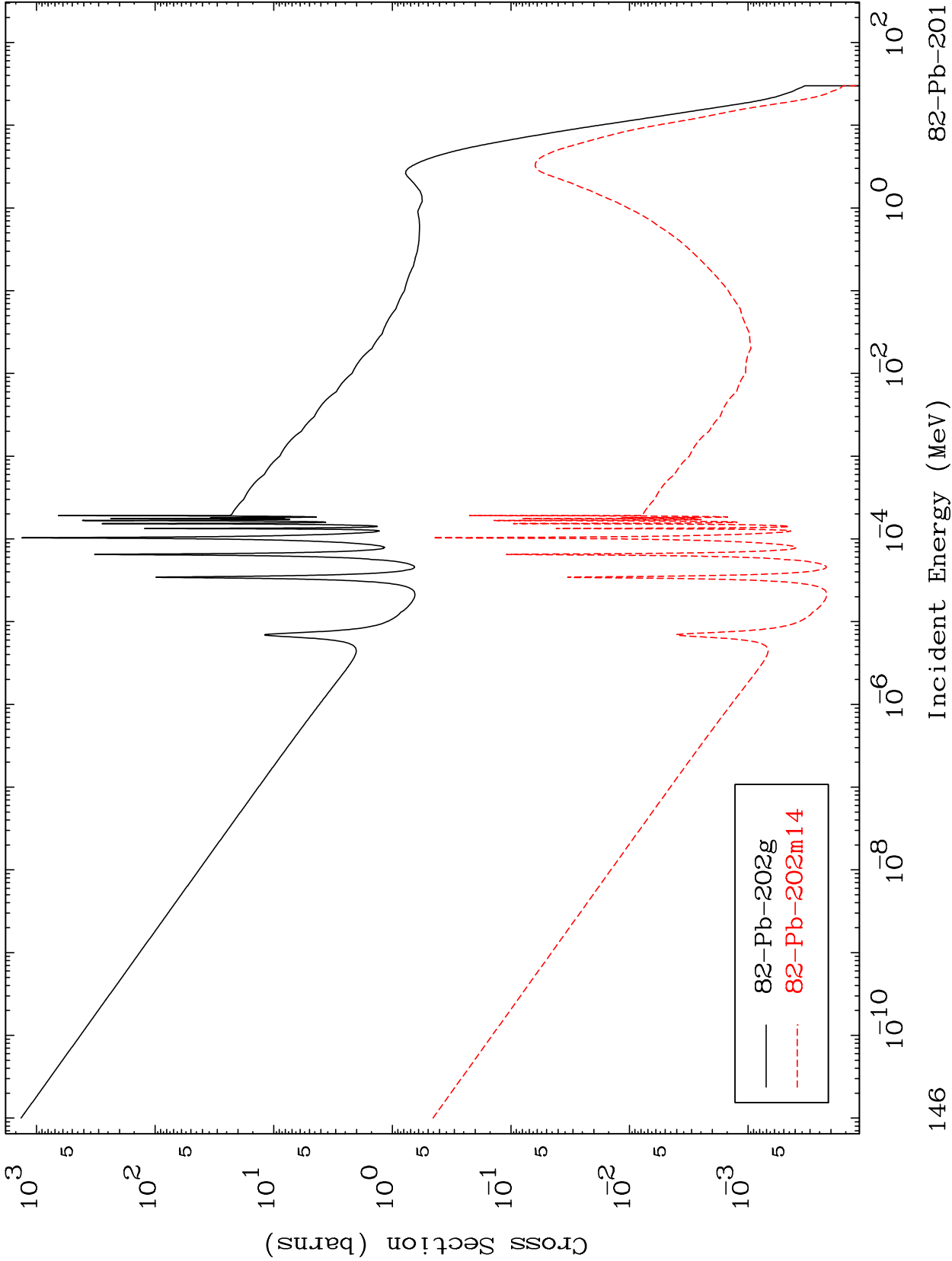
82-Pb-201



MAT 8216

82-Pb-201

(n, γ)
Radionuclide Production Cross Section

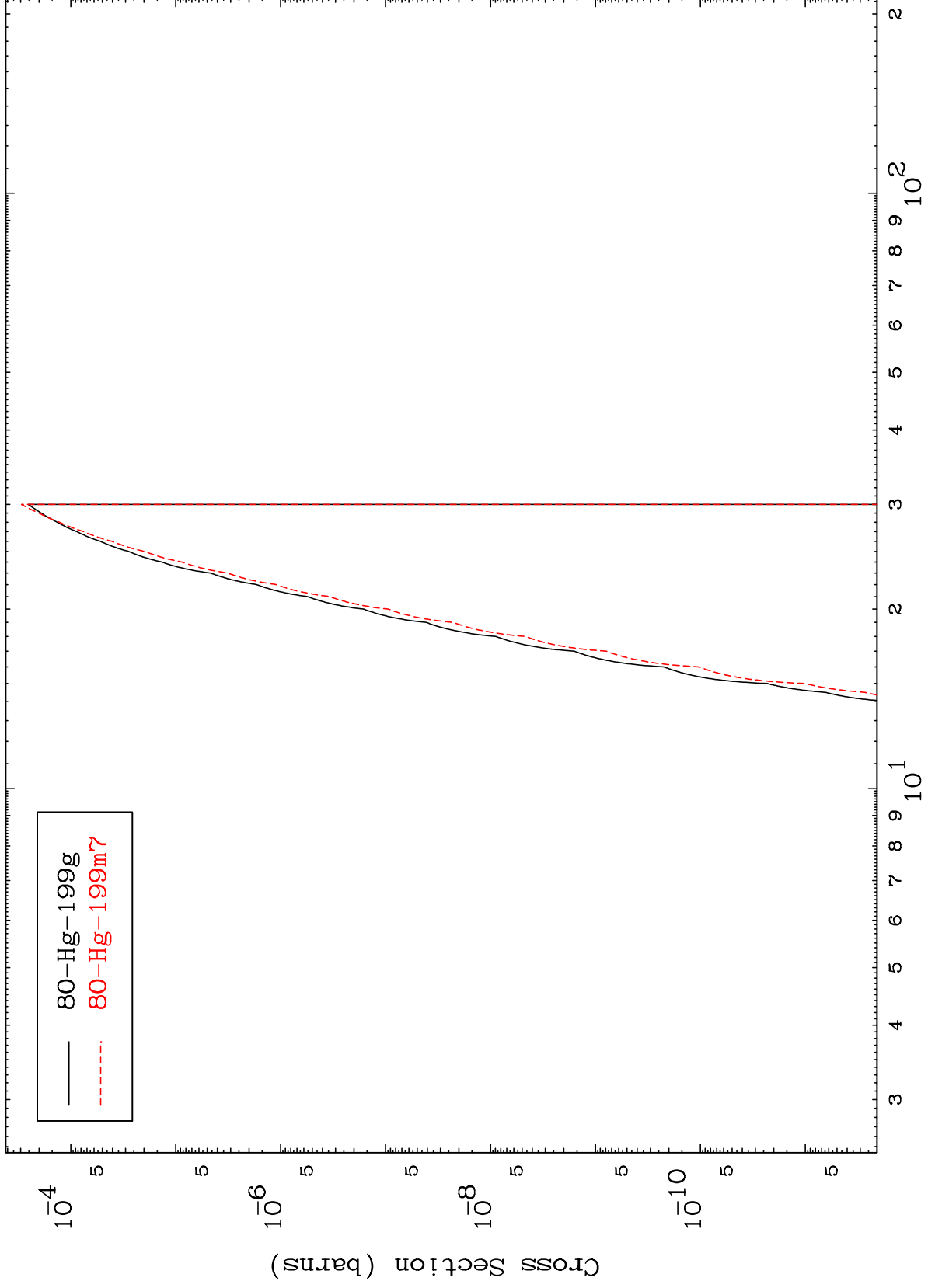


MAT 8216

(n,He-3)

82-Pb-201

Radionuclide Production Cross Section



147

Incident Energy (MeV)

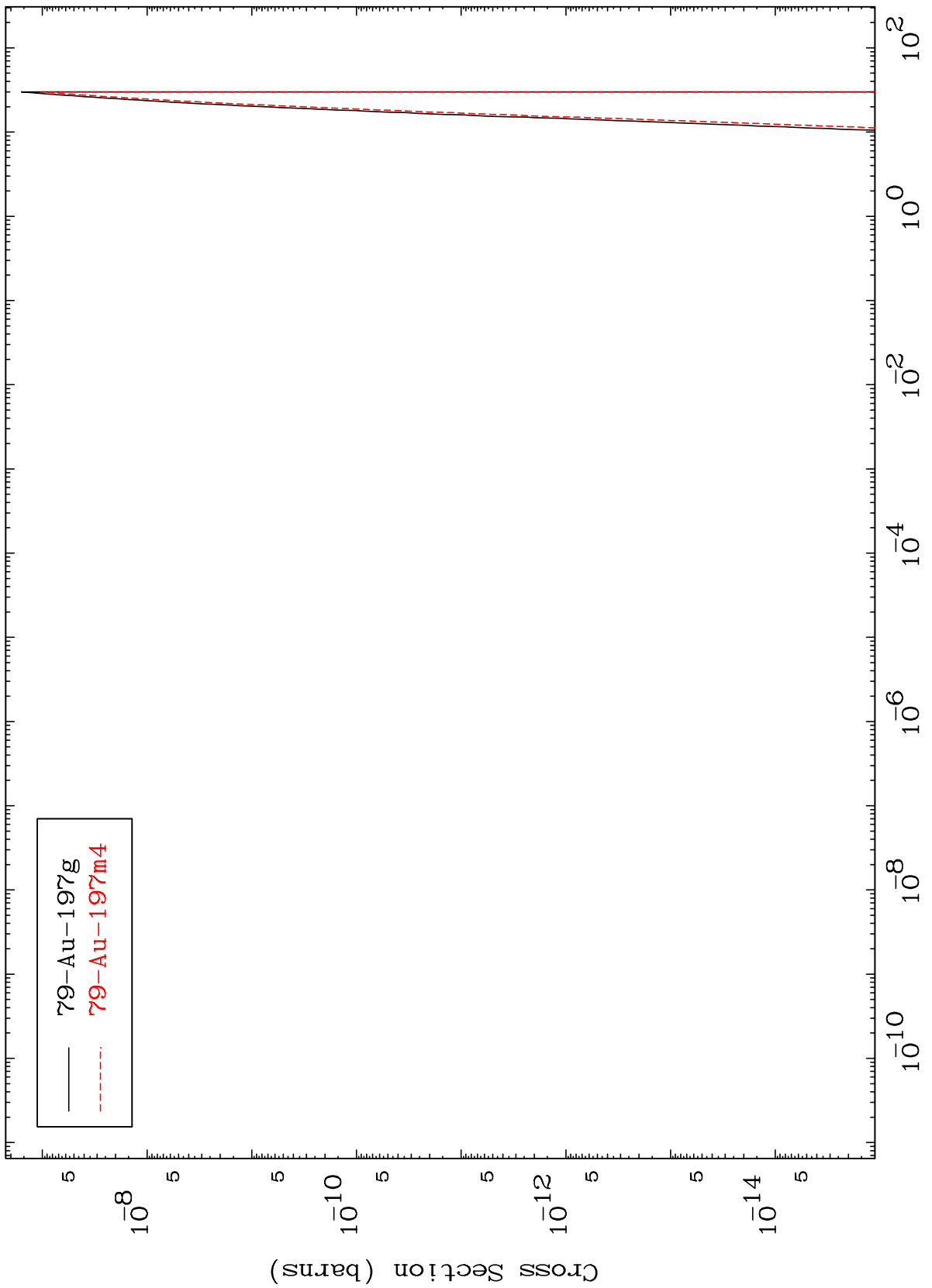
82-Pb-201

MAT 8216

(n,p) α

82-Pb-201

Radionuclide Production Cross Section

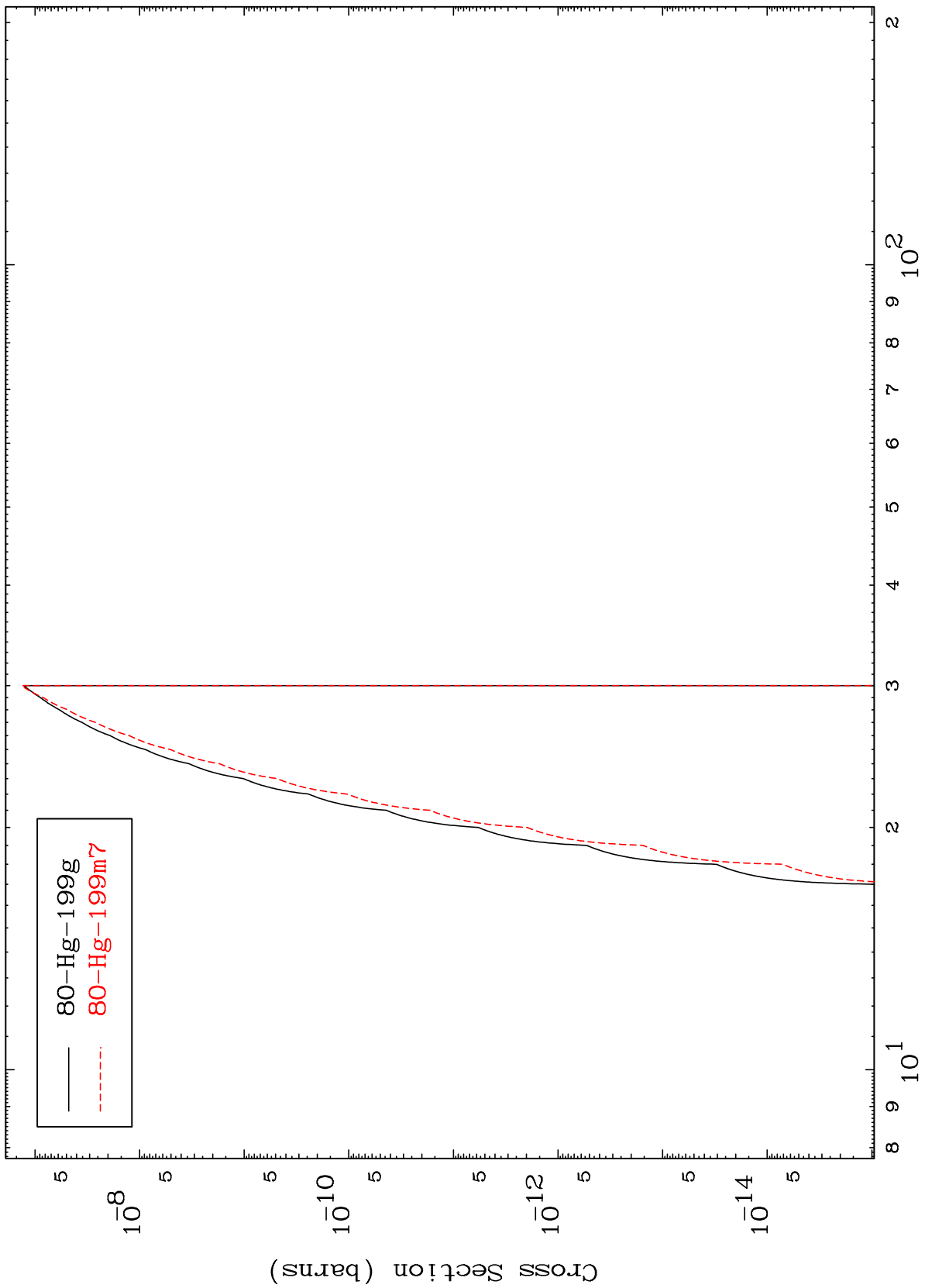


MAT 8216

(n,p) d

82-Pb-201

Radionuclide Production Cross Section



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

149

Incident Energy (MeV)

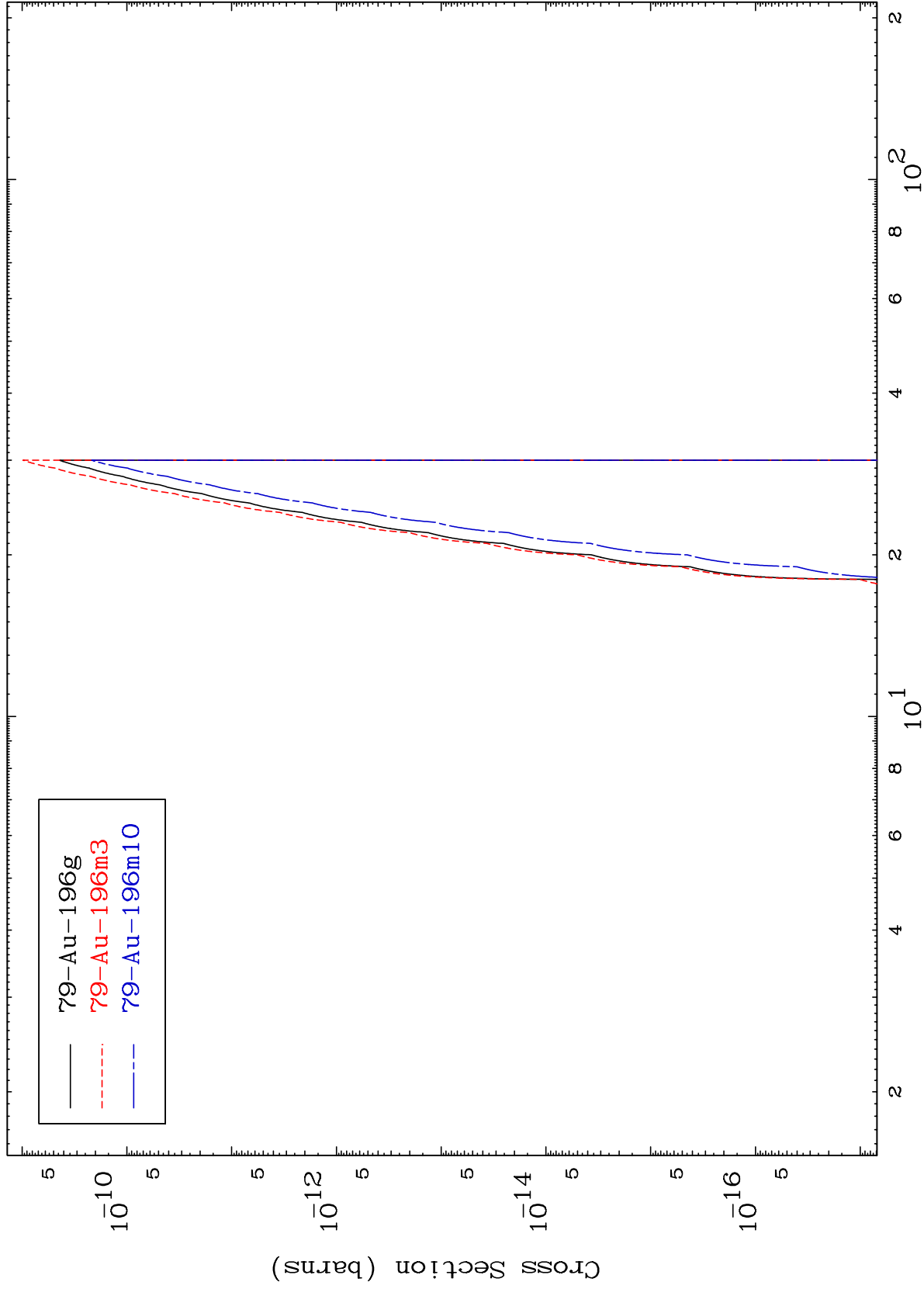
82-Pb-201

MAT 8216

82-Pb-201

(n,d) α

Radionuclide Production Cross Section



150

Incident Energy (MeV)

82-Pb-201