

Program EVALPLOT
(Version 2021-1)

by

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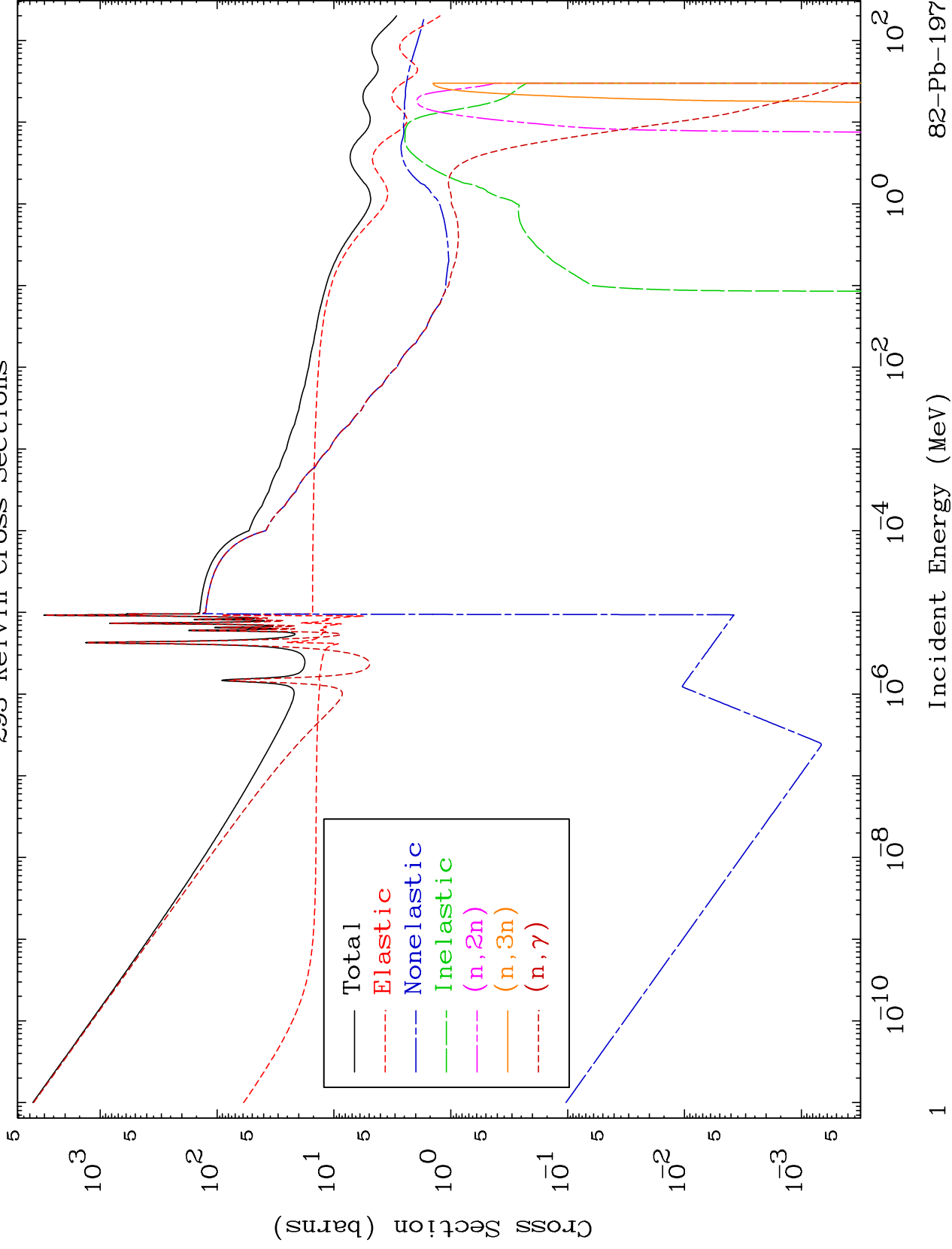
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8204

Neutron Major
293 Kelvin Cross Sections

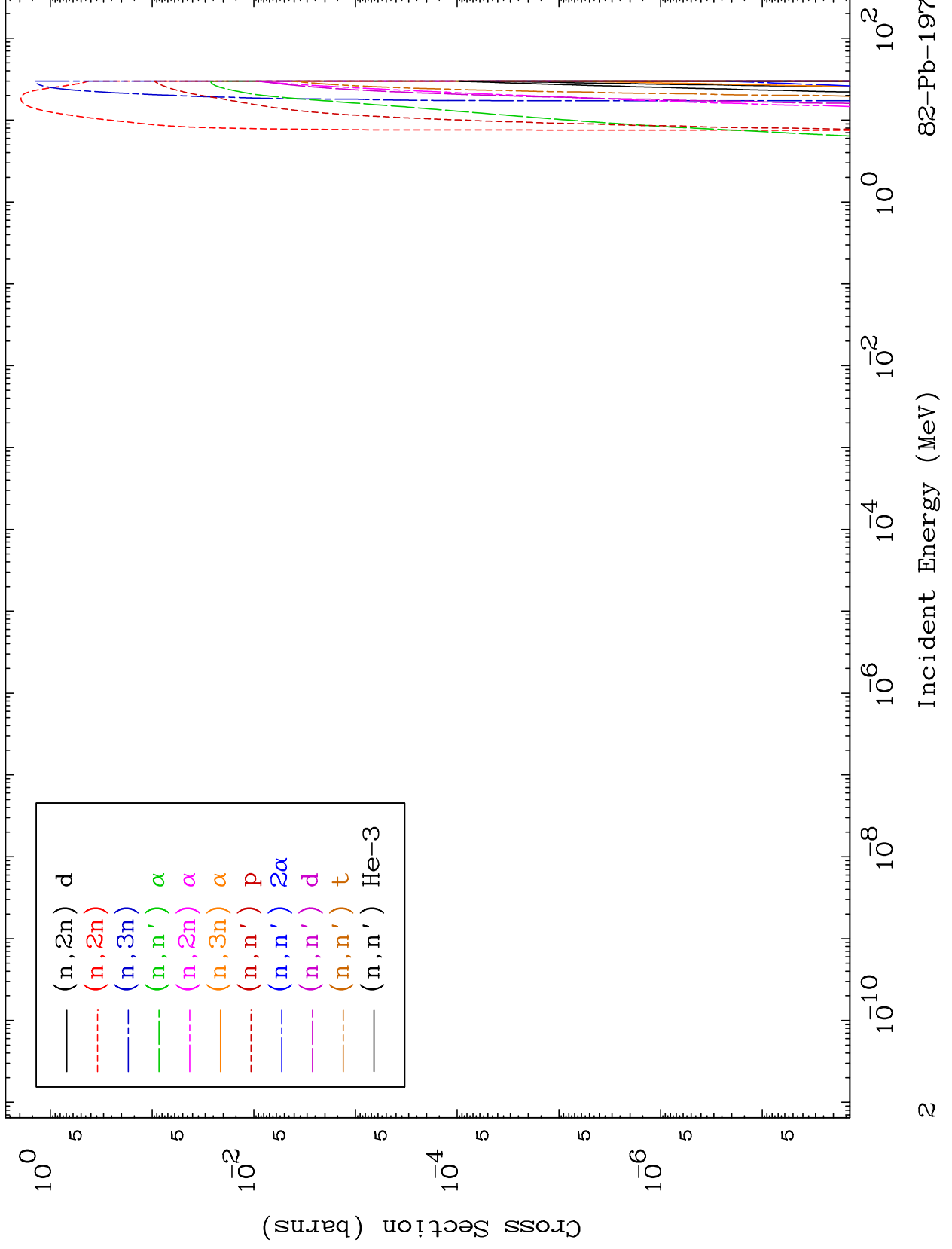
82-Pb-197



MAT 8204

Neutron Absorption
293 Kelvin Cross Sections

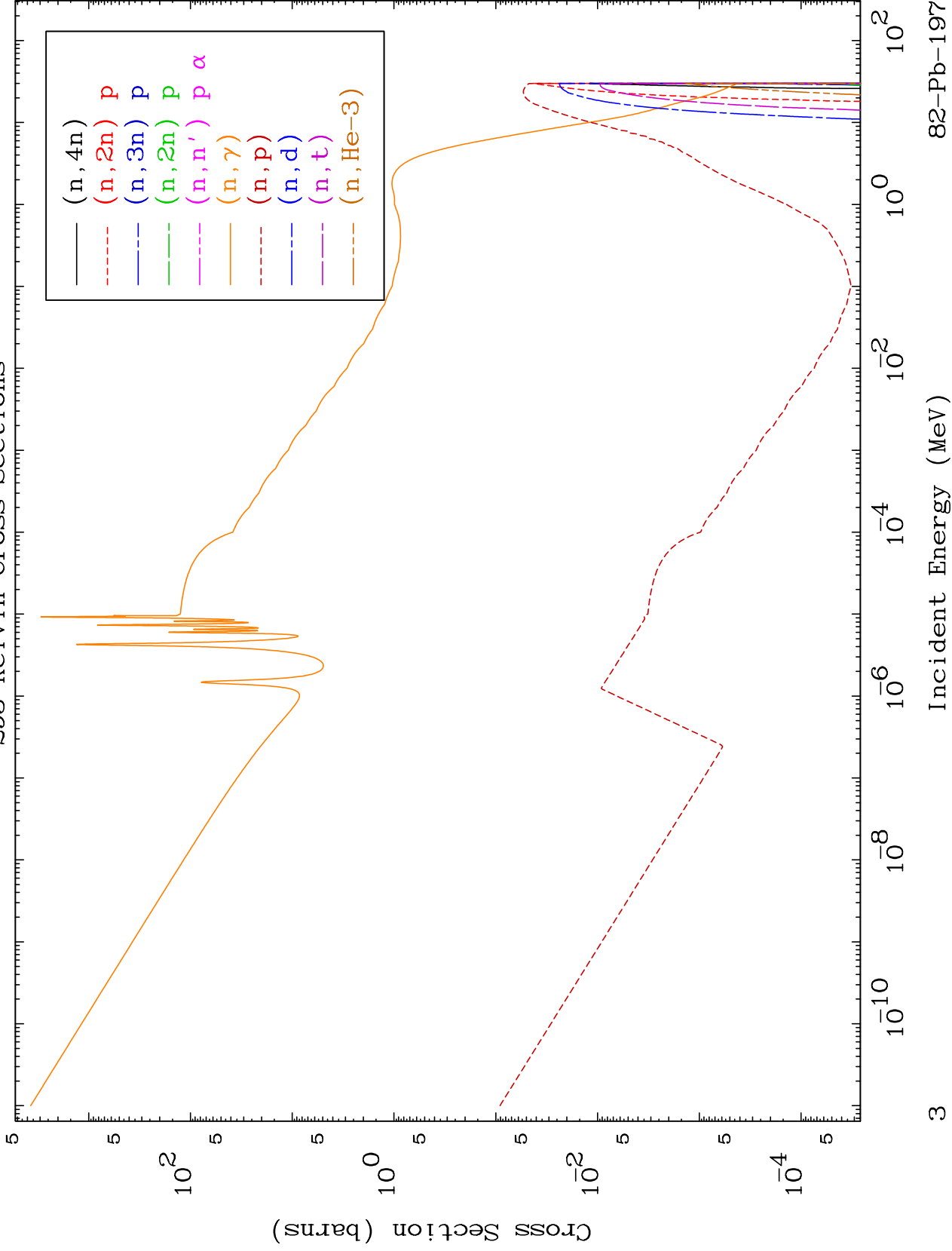
82-Pb-197



MAT 8204

Neutron Absorption
293 Kelvin Cross Sections

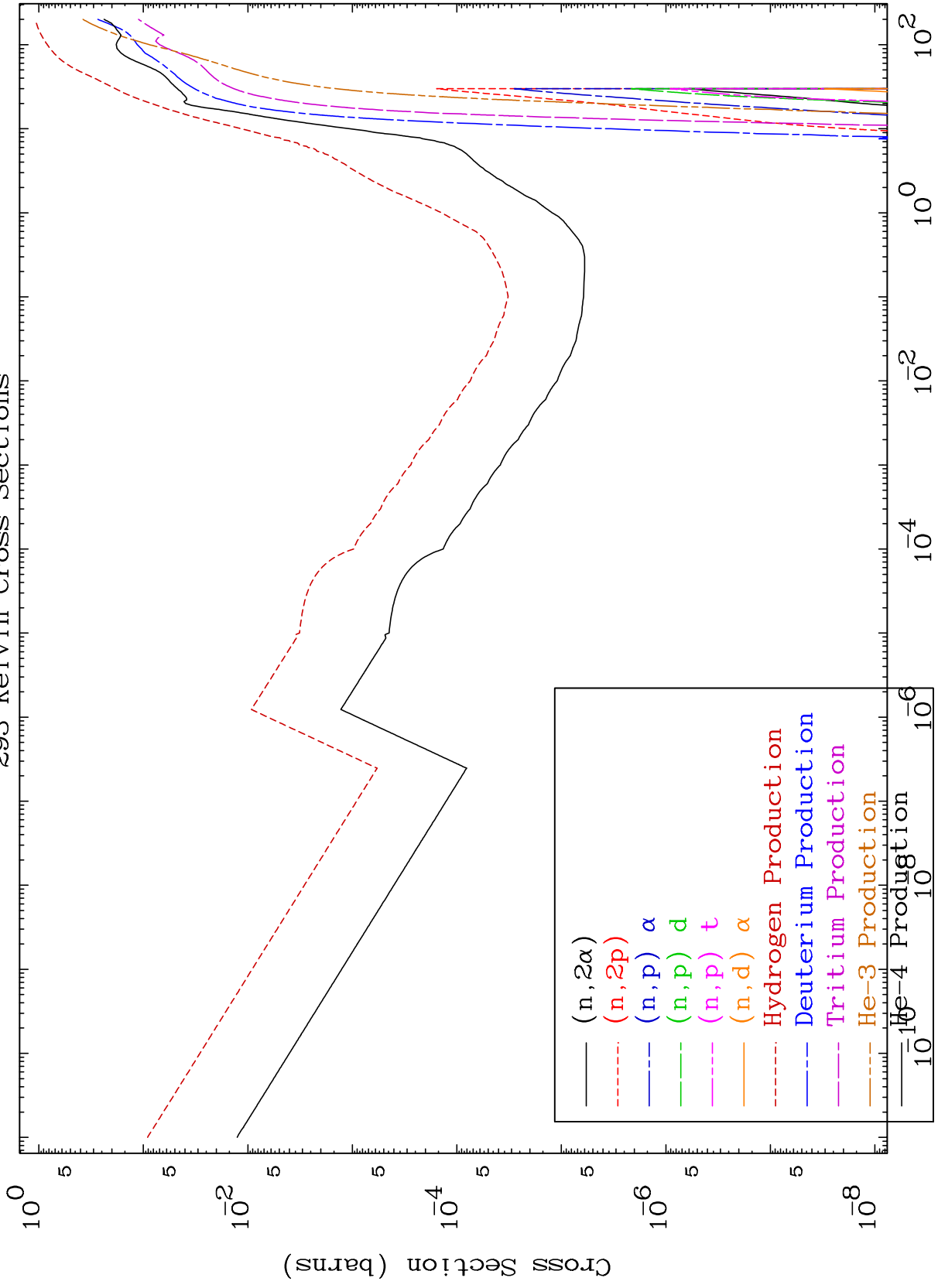
82-Pb-197



MAT 8204

Neutron Absorption
293 Kelvin Cross Sections

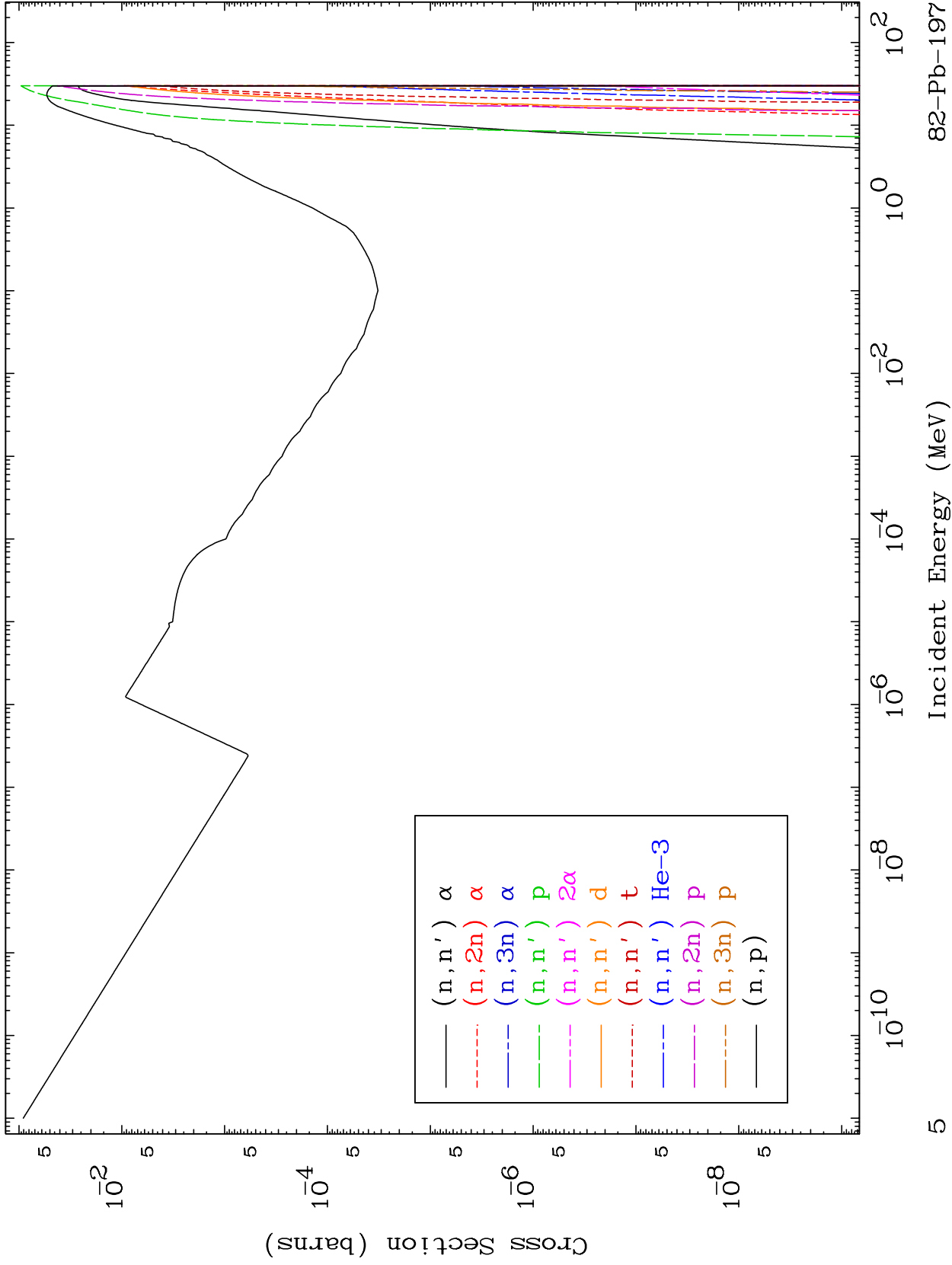
82-Pb-197



MAT 8204

Charged Particle
293 Kelvin Cross Sections

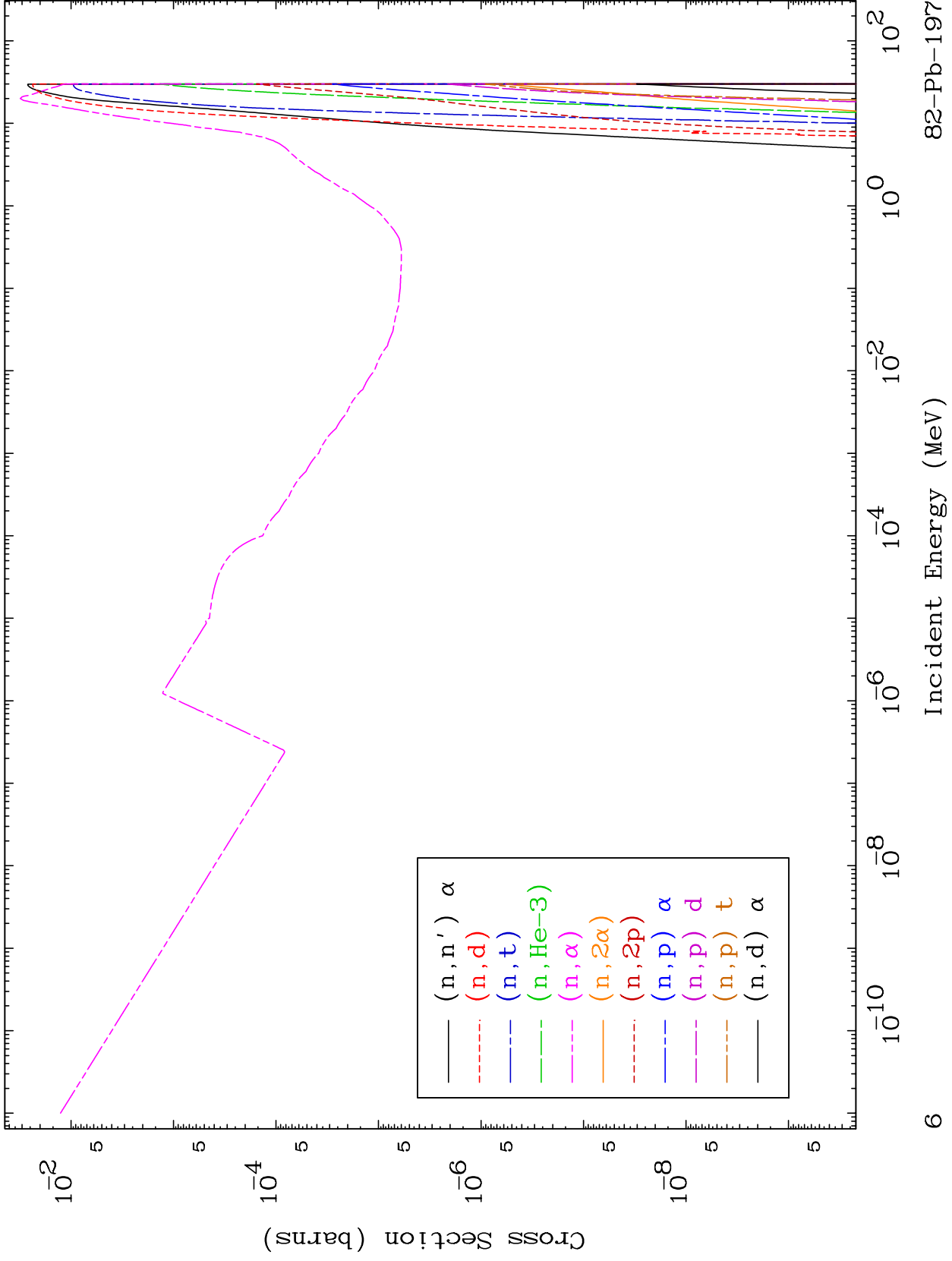
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MAT 8204

Charged Particle
293 Kelvin Cross Sections

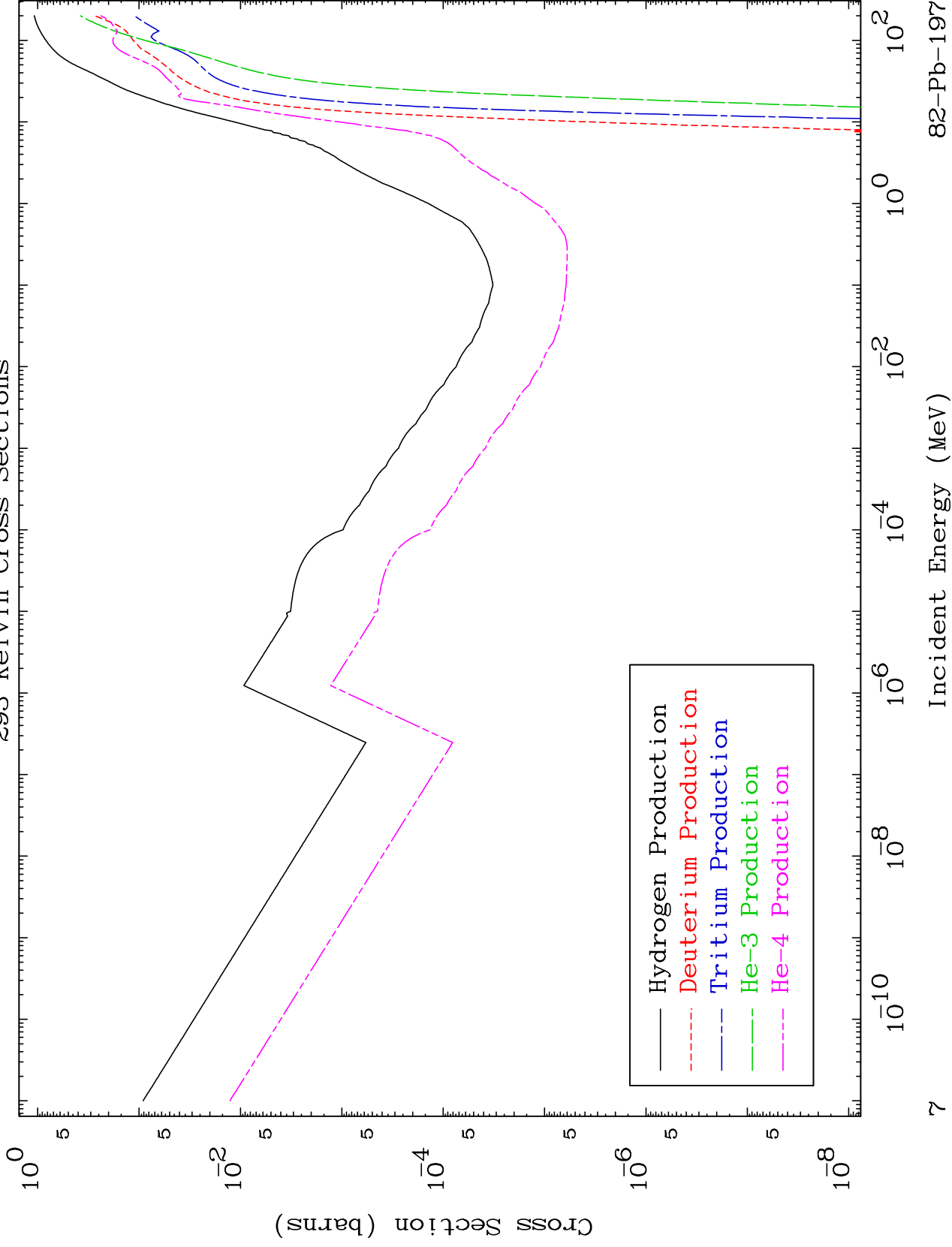
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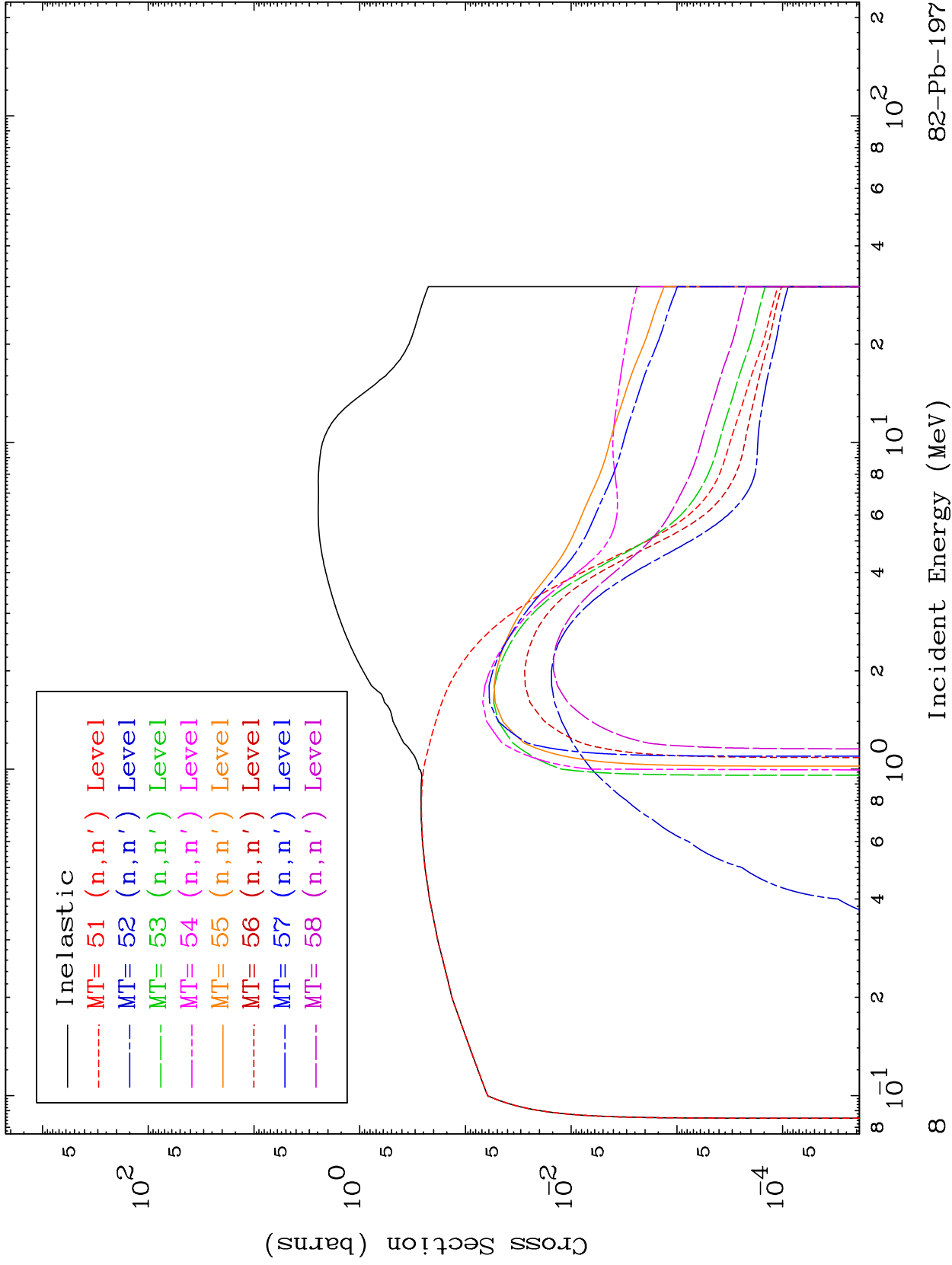


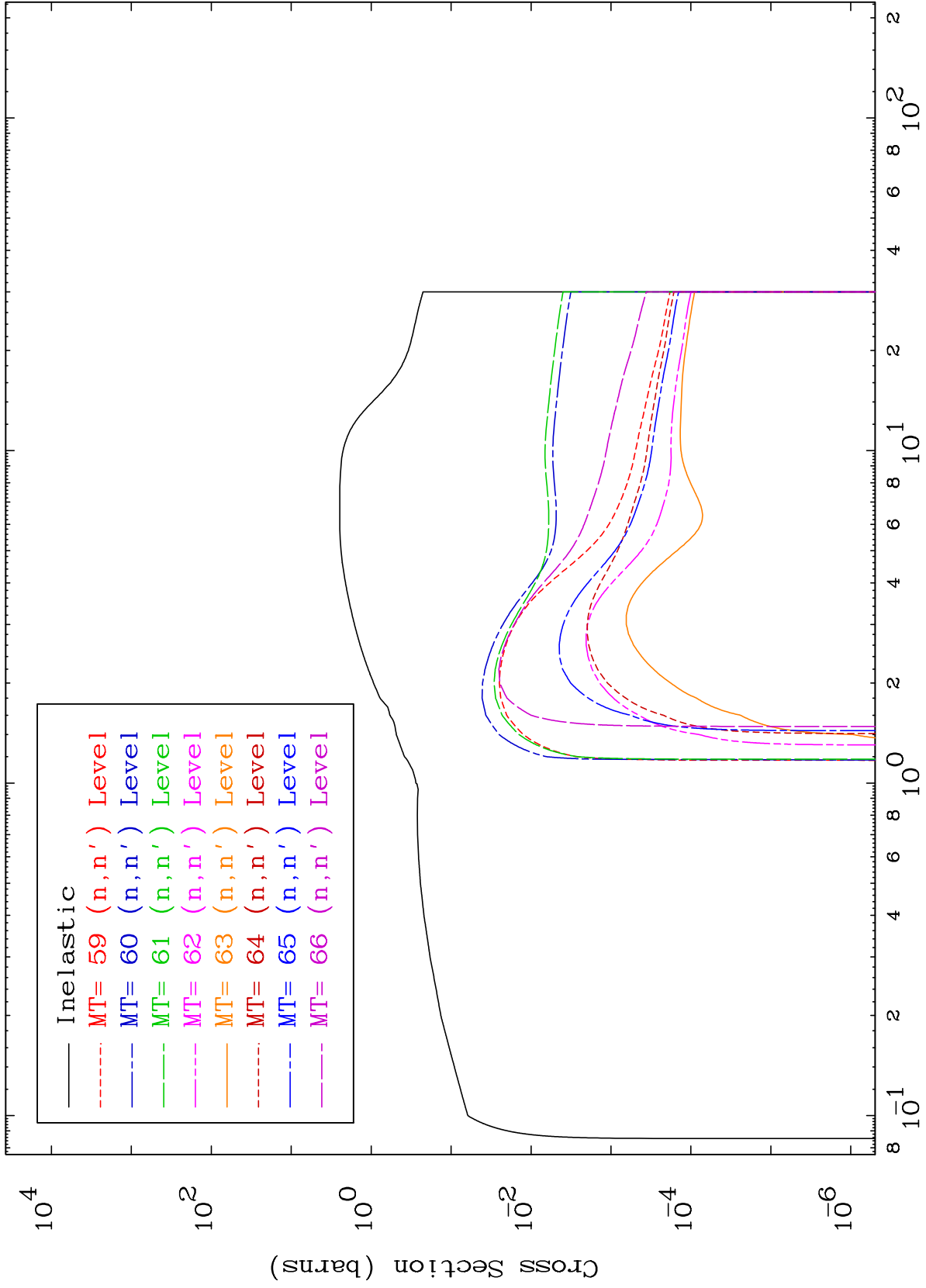
MAT 8204

Particle Production
293 Kelvin Cross Sections

82-Pb-197



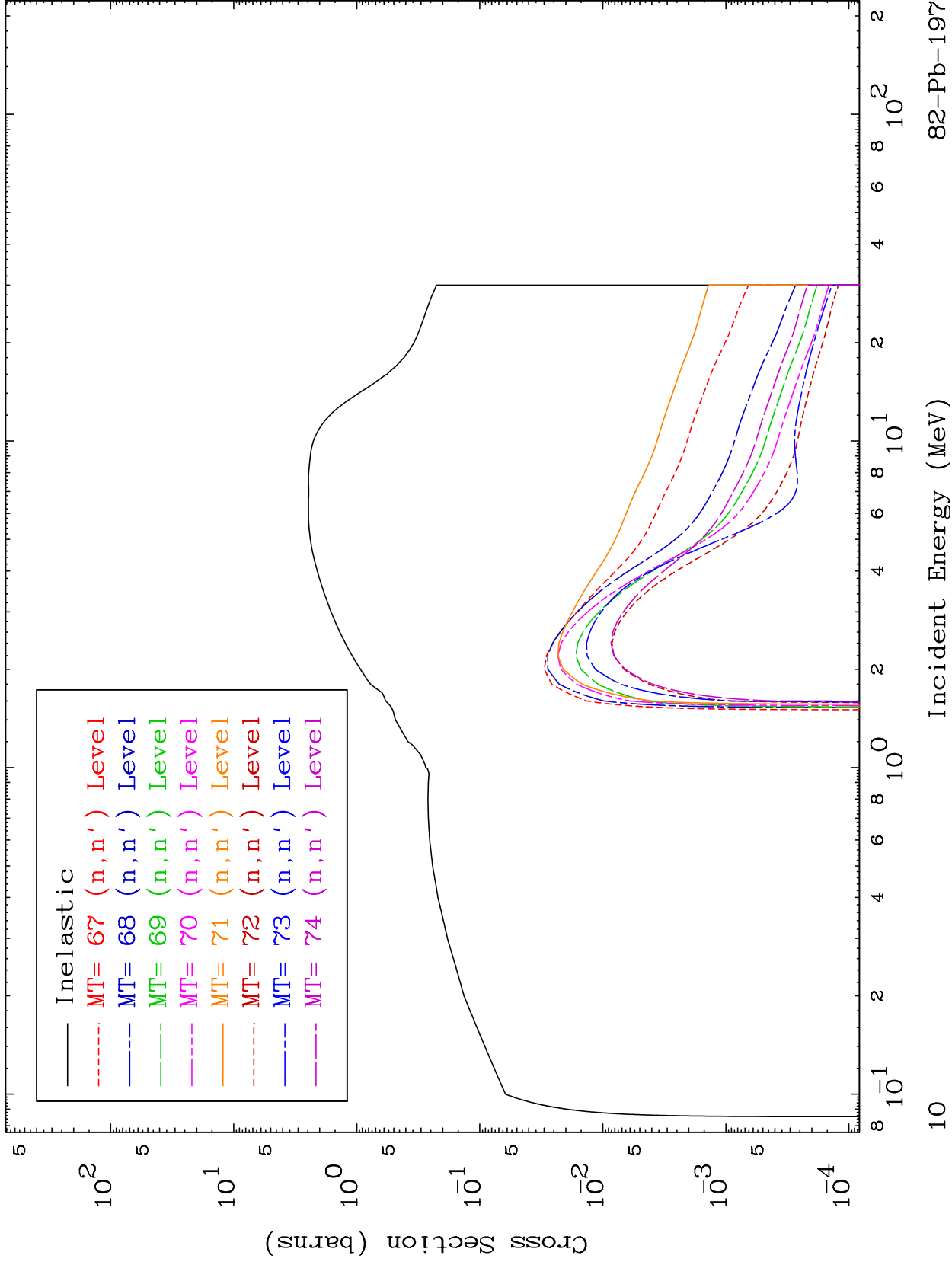




MAT 8204

(n,n') Levels
293 Kelvin Cross Sections

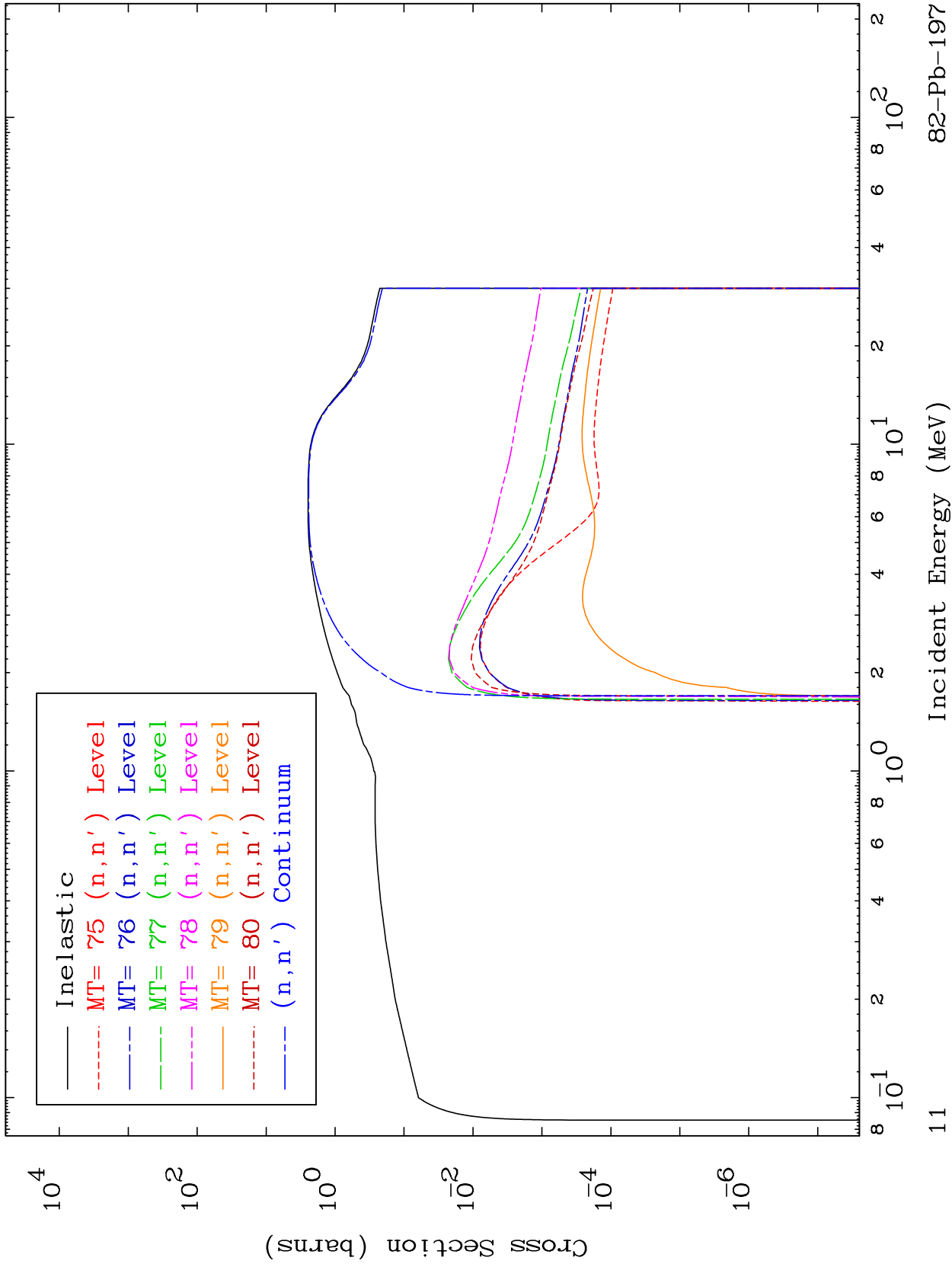
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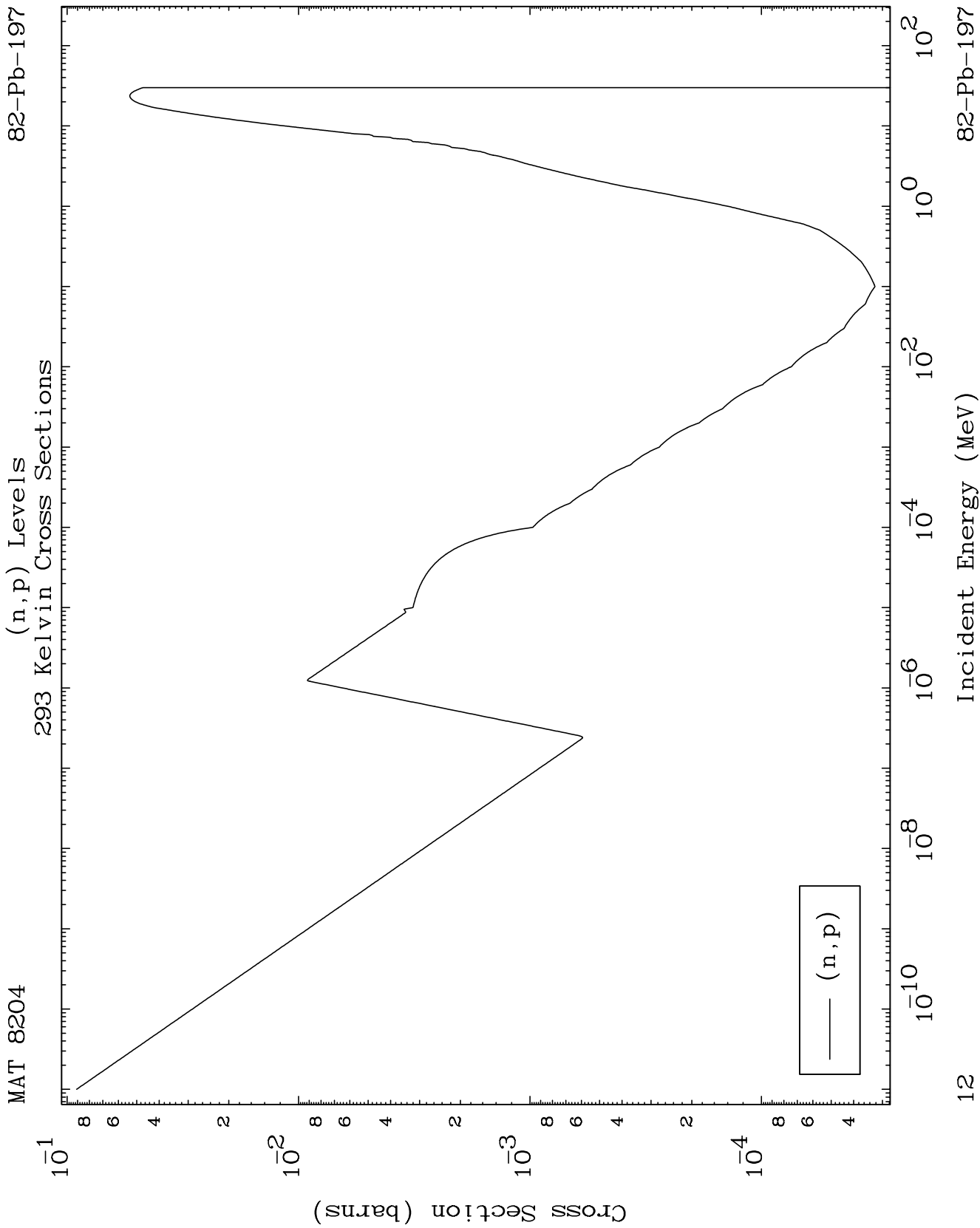


MAT 8204

(n,n') Levels
293 Kelvin Cross Sections

82-Pb-197

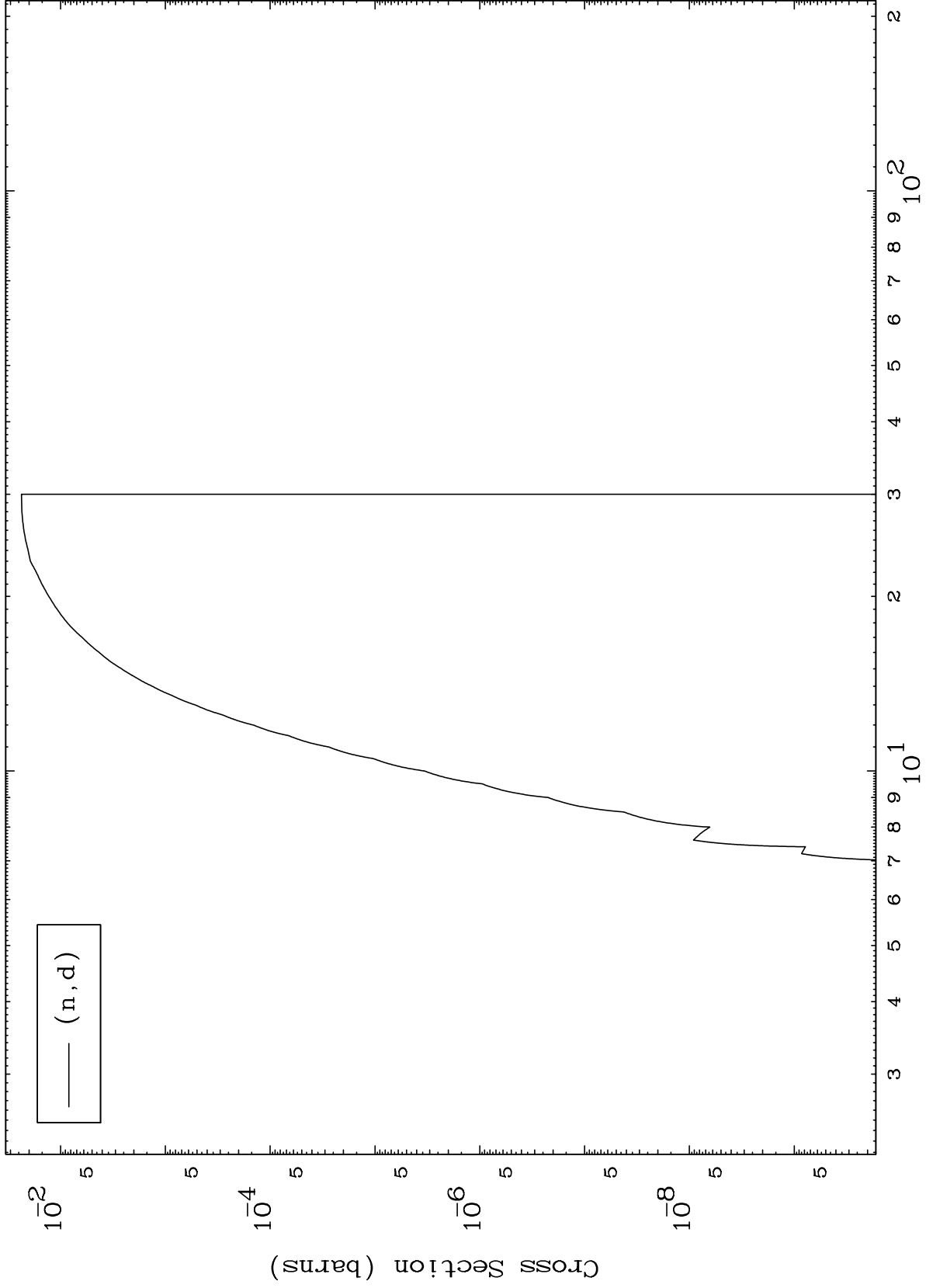




MAT 8204

(n,d) Levels
293 Kelvin Cross Sections

82-Pb-197



13

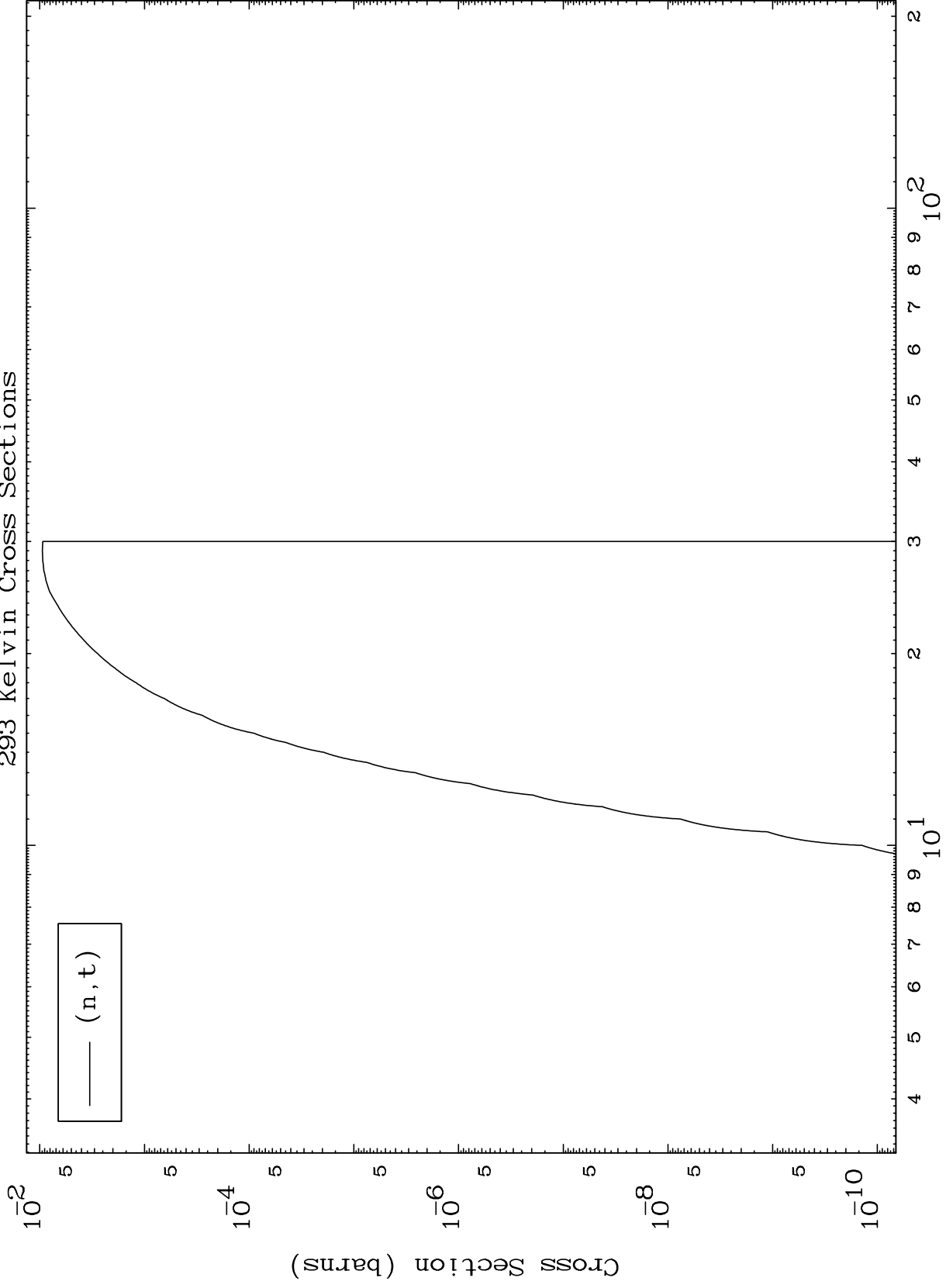
Incident Energy (MeV)

82-Pb-197

MAT 8204

(n,t) Levels
293 Kelvin Cross Sections

82-Pb-197



14

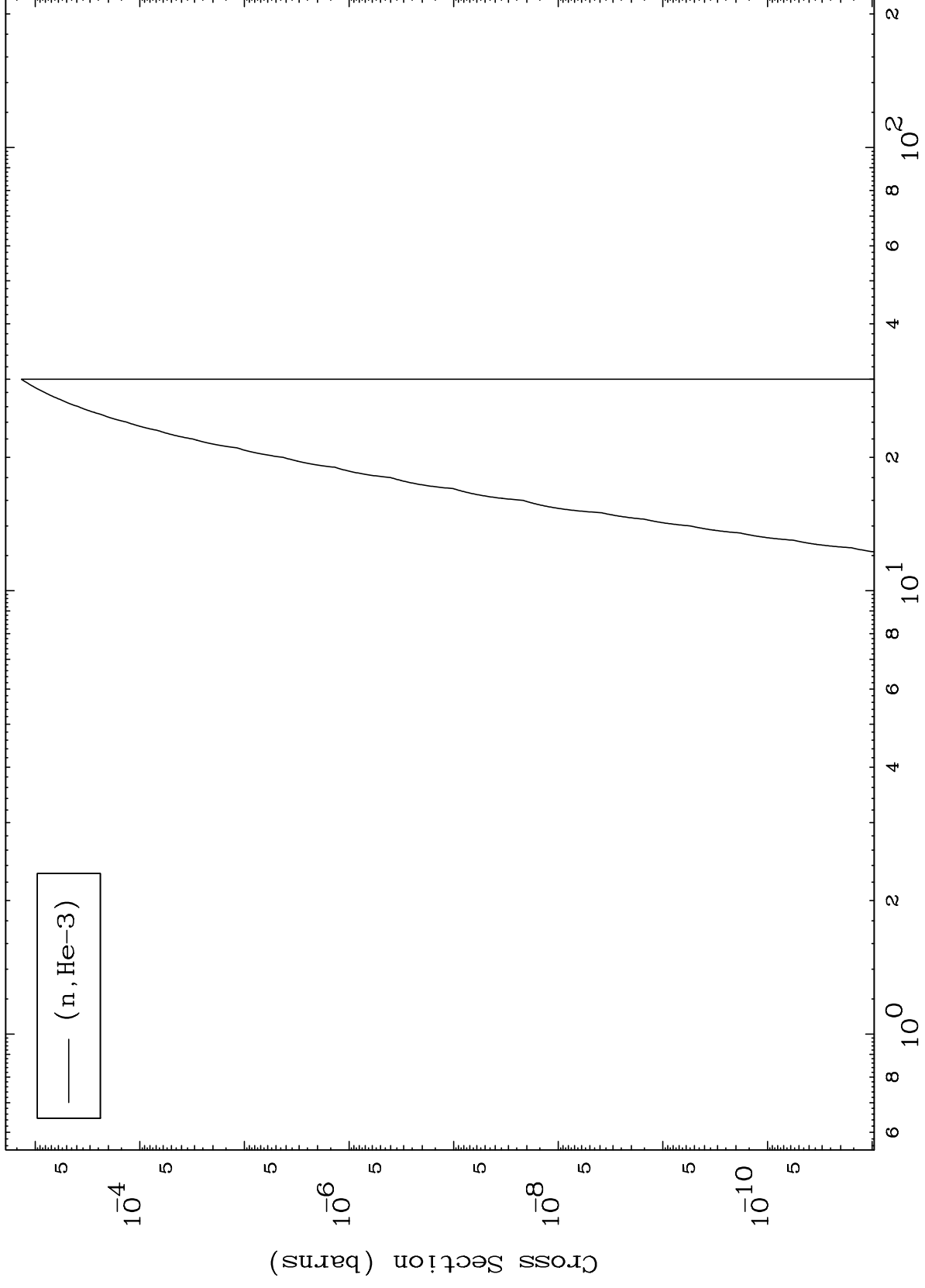
Incident Energy (MeV)

82-Pb-197

MAT 8204

(n,He3) Levels
293 Kelvin Cross Sections

82-Pb-197



15

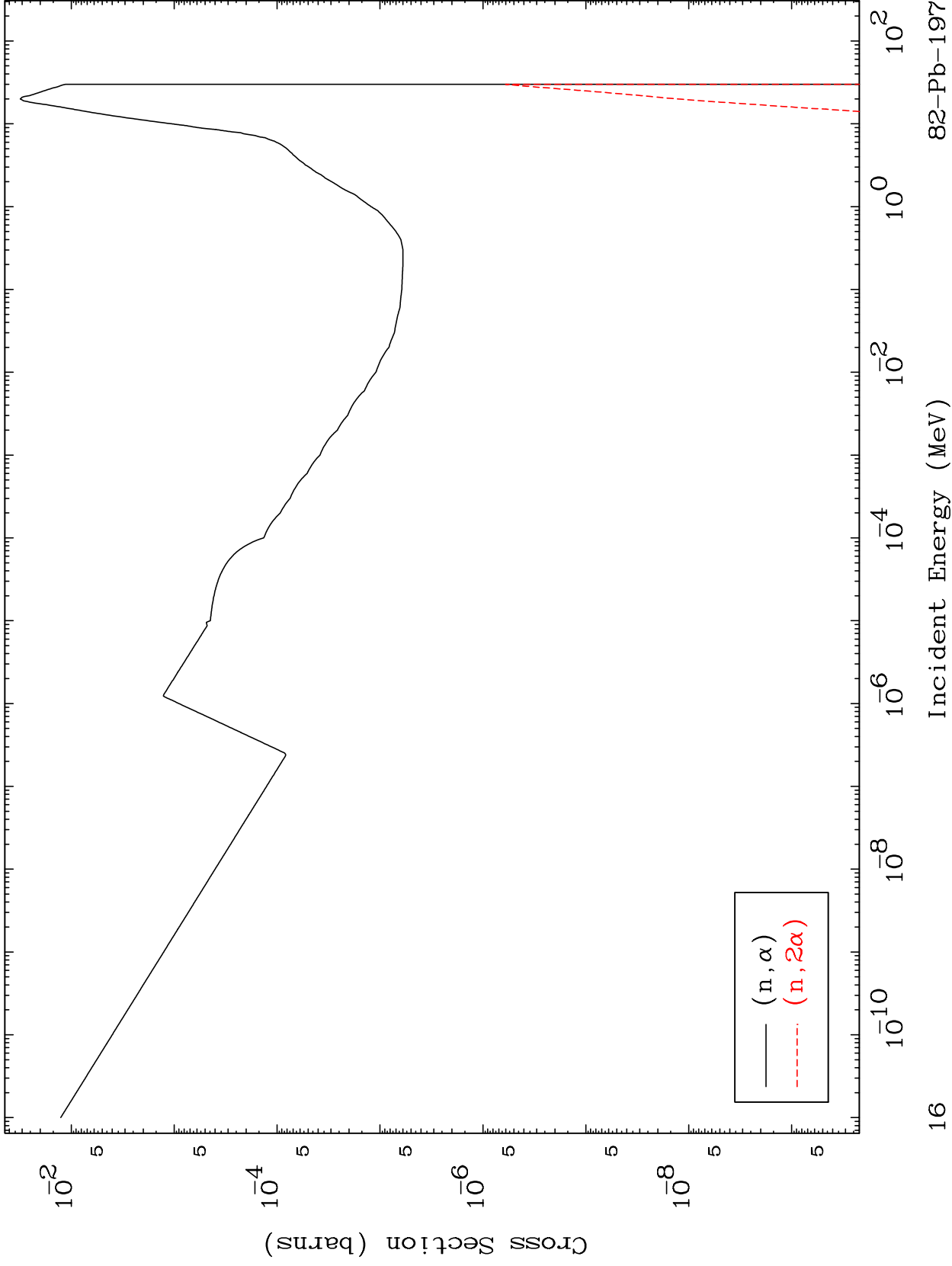
Incident Energy (MeV)

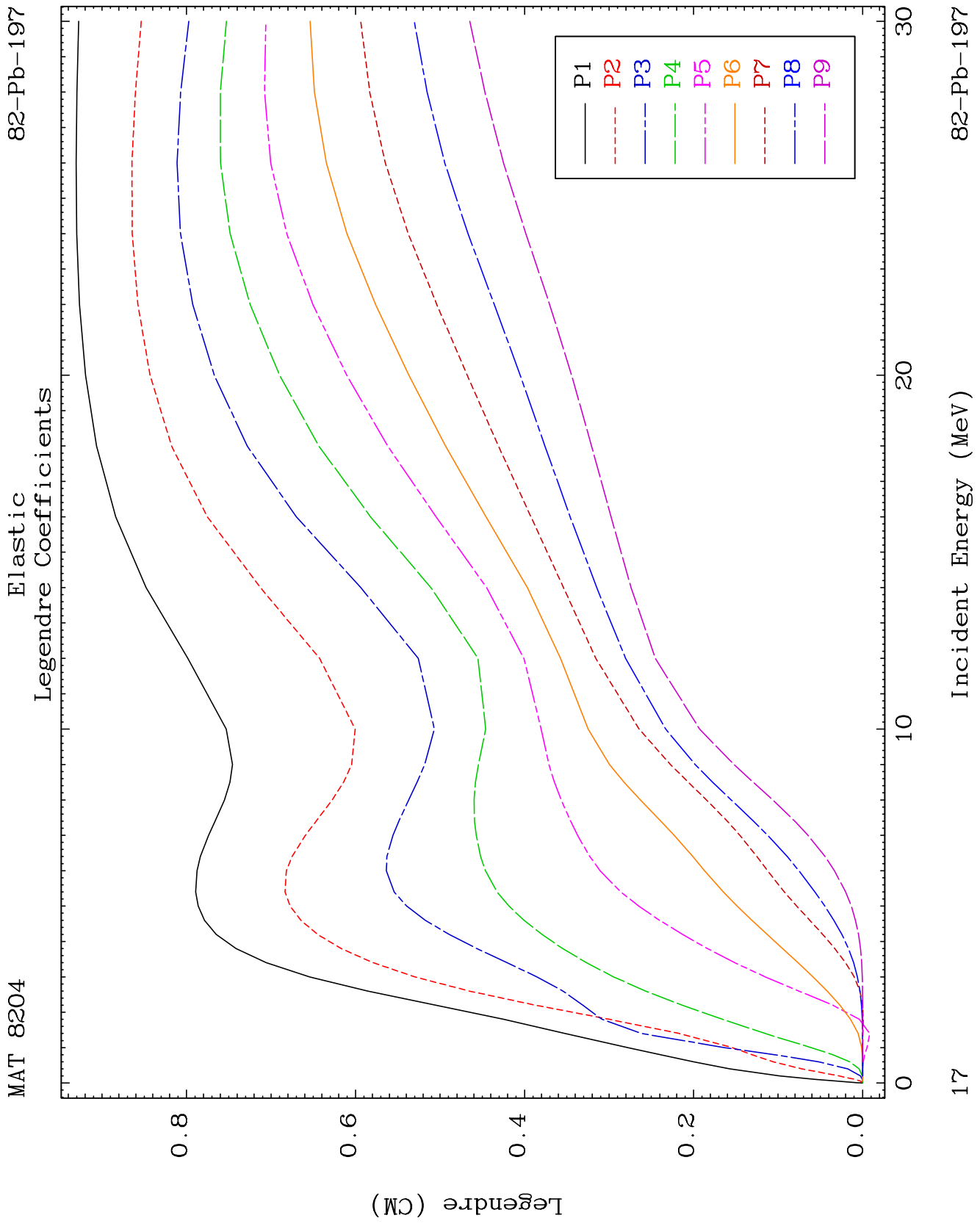
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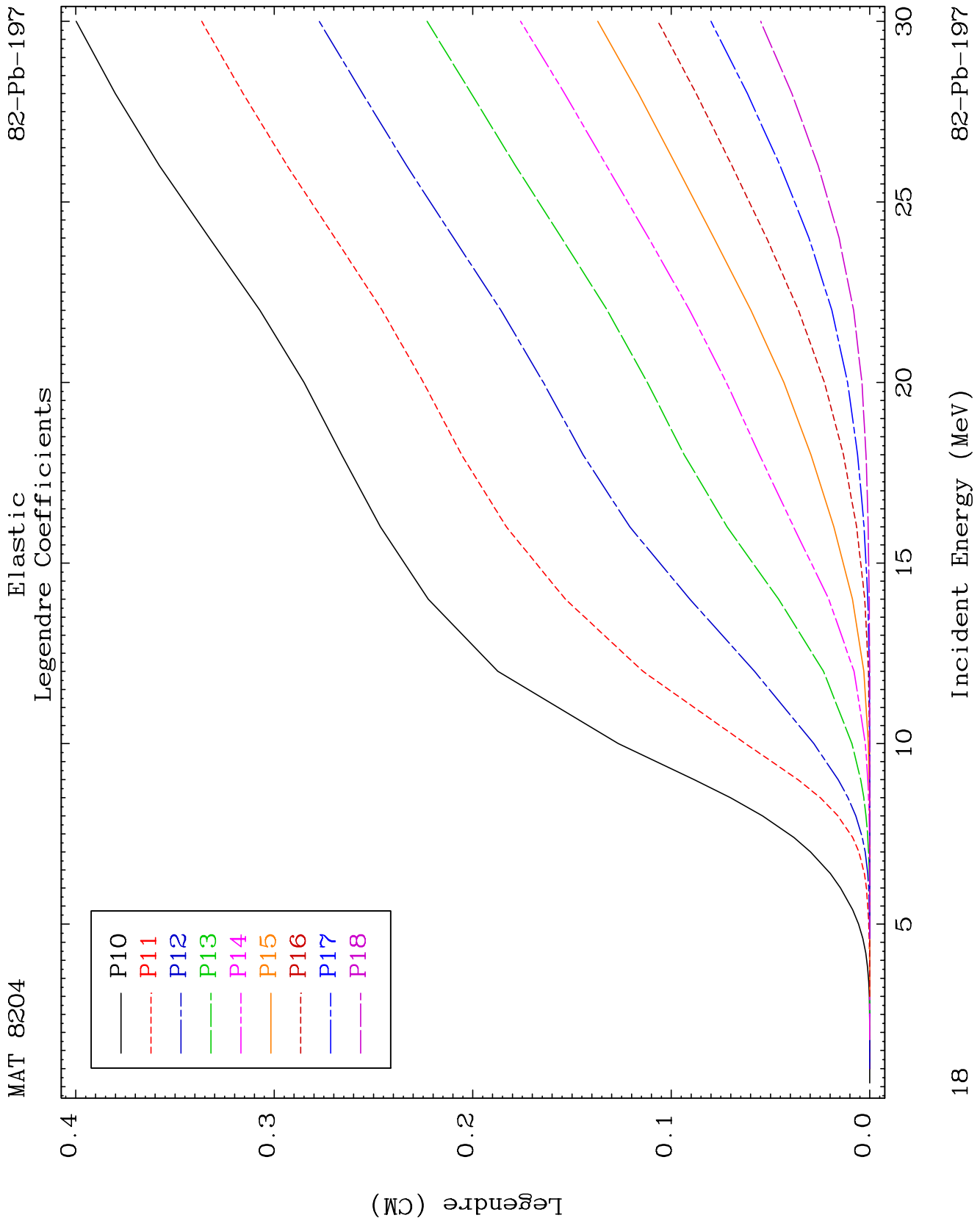
MAT 8204

(n, α) Levels
293 Kelvin Cross Sections

82-Pb-197



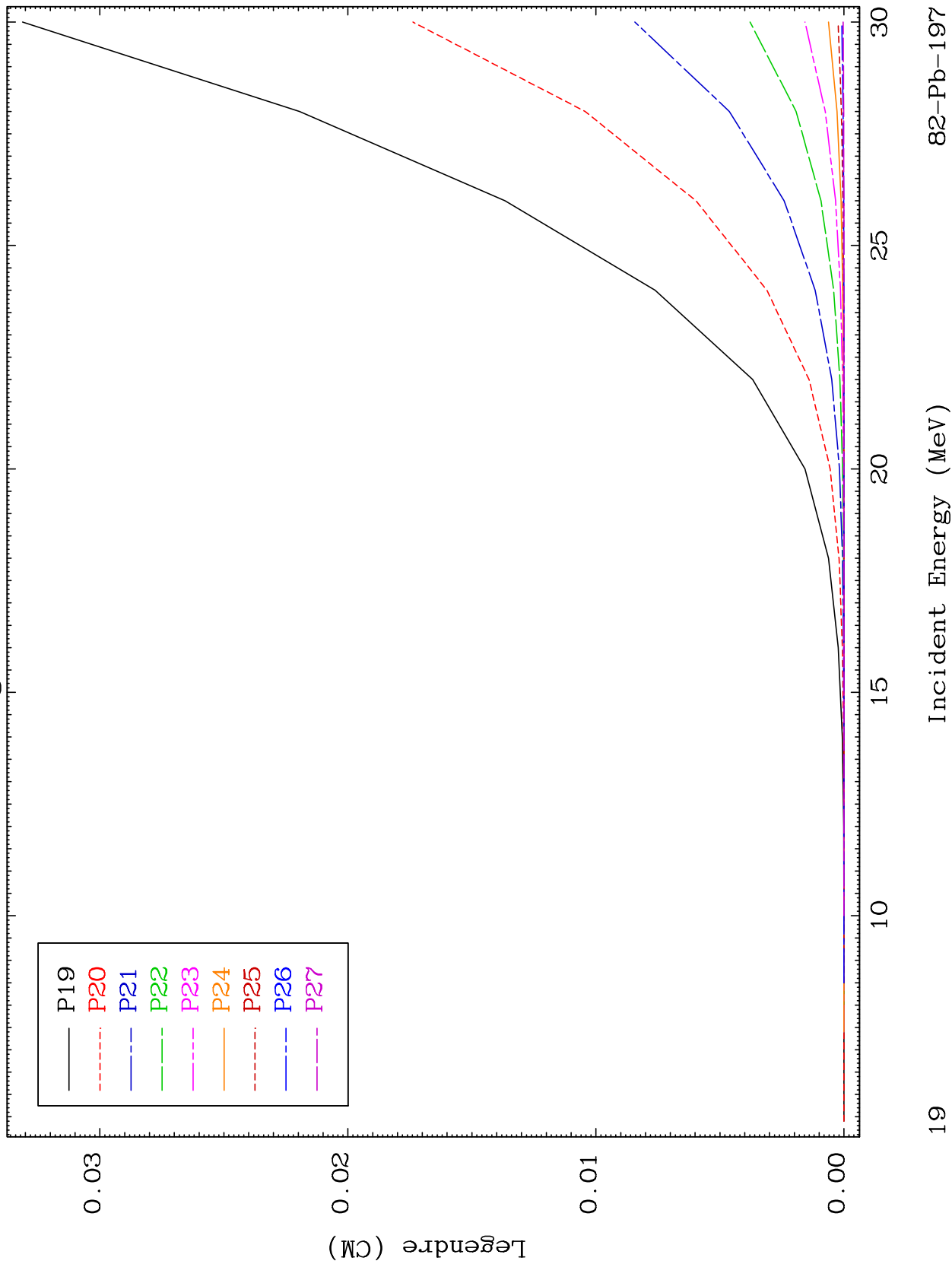




MAT 8204

Elastic Legendre Coefficients

82-Pb-197



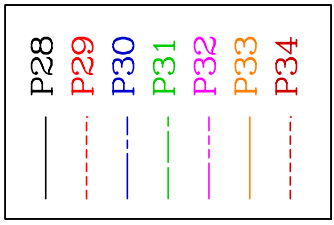
19

82-Pb-197

MAT 8204

Elastic Legendre Coefficients

82-Pb-197



$\times 10^{-5}$
1.0
0.8

Legendre (CM)

0.6

0.4

0.2

0.0

15

20

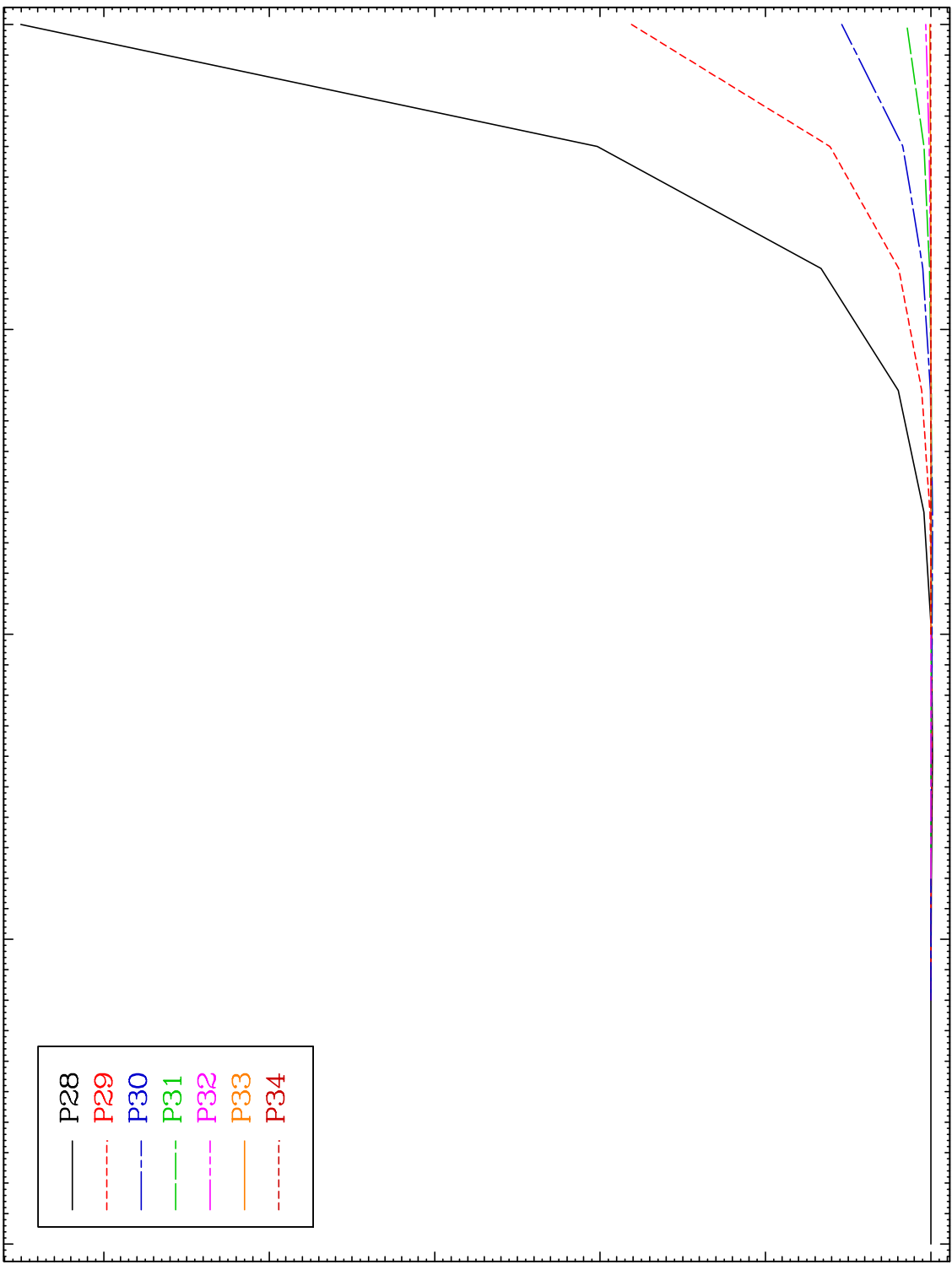
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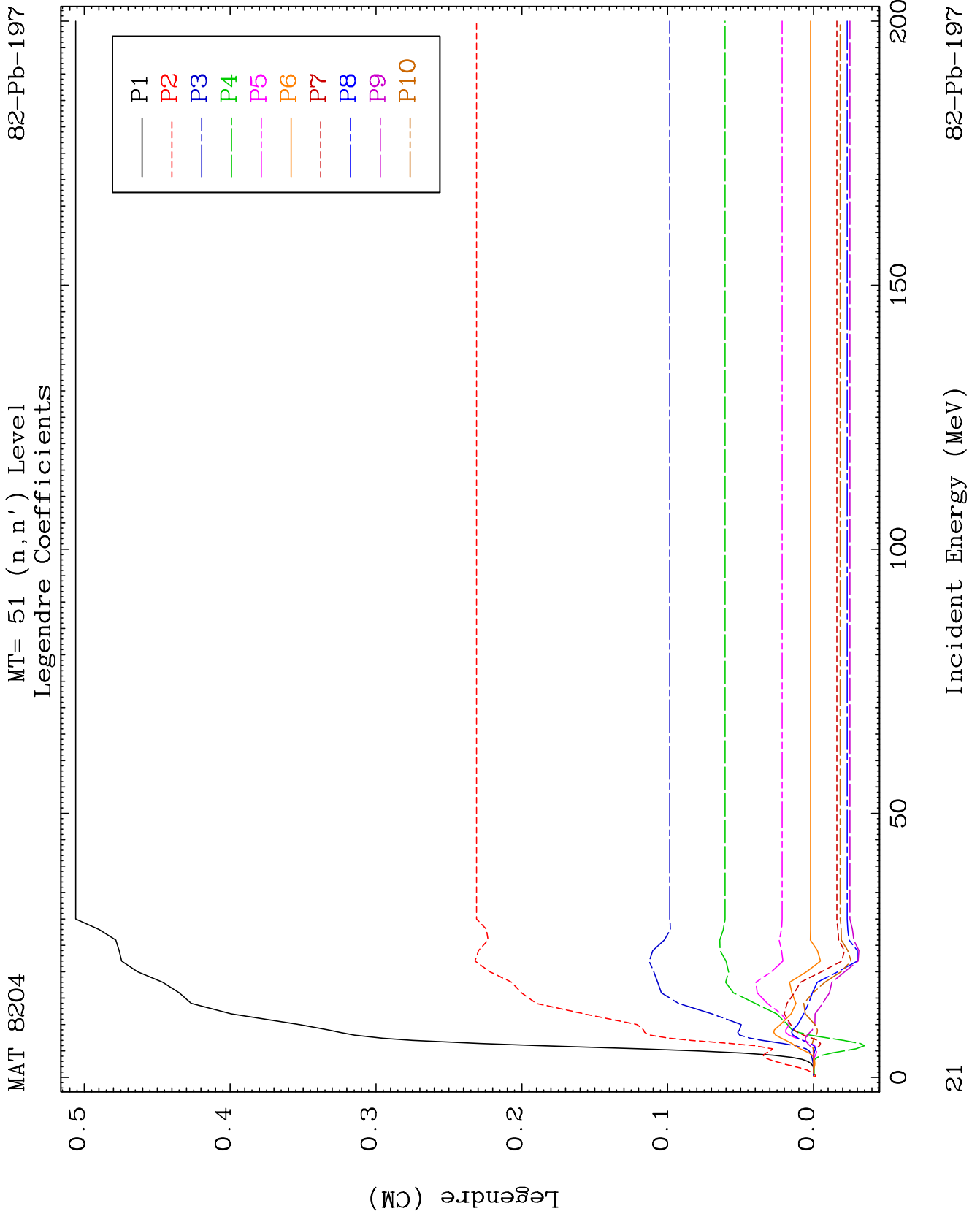
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20

Incident Energy (MeV)

82-Pb-197

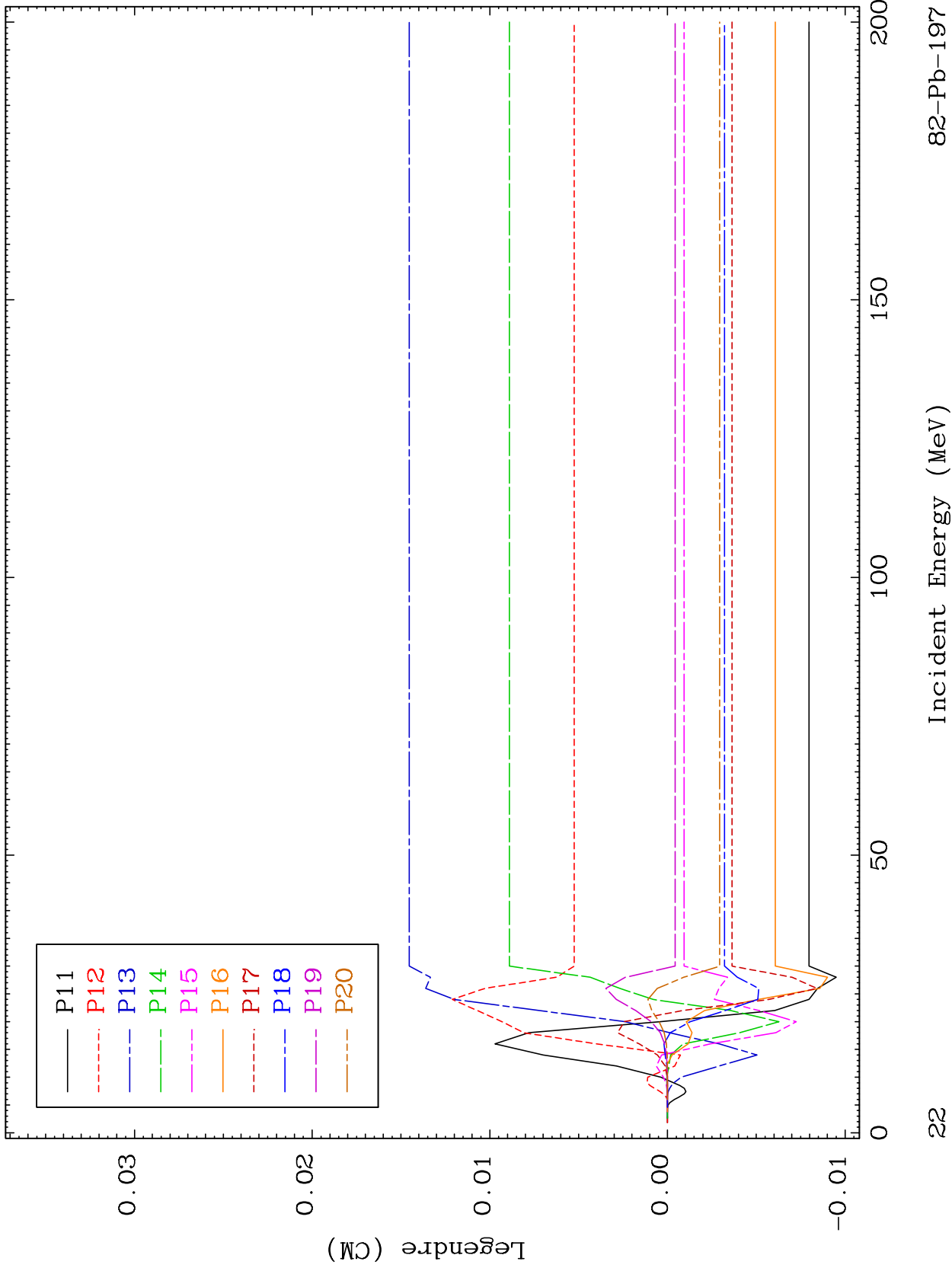




MAT 8204

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

82-Pb-197



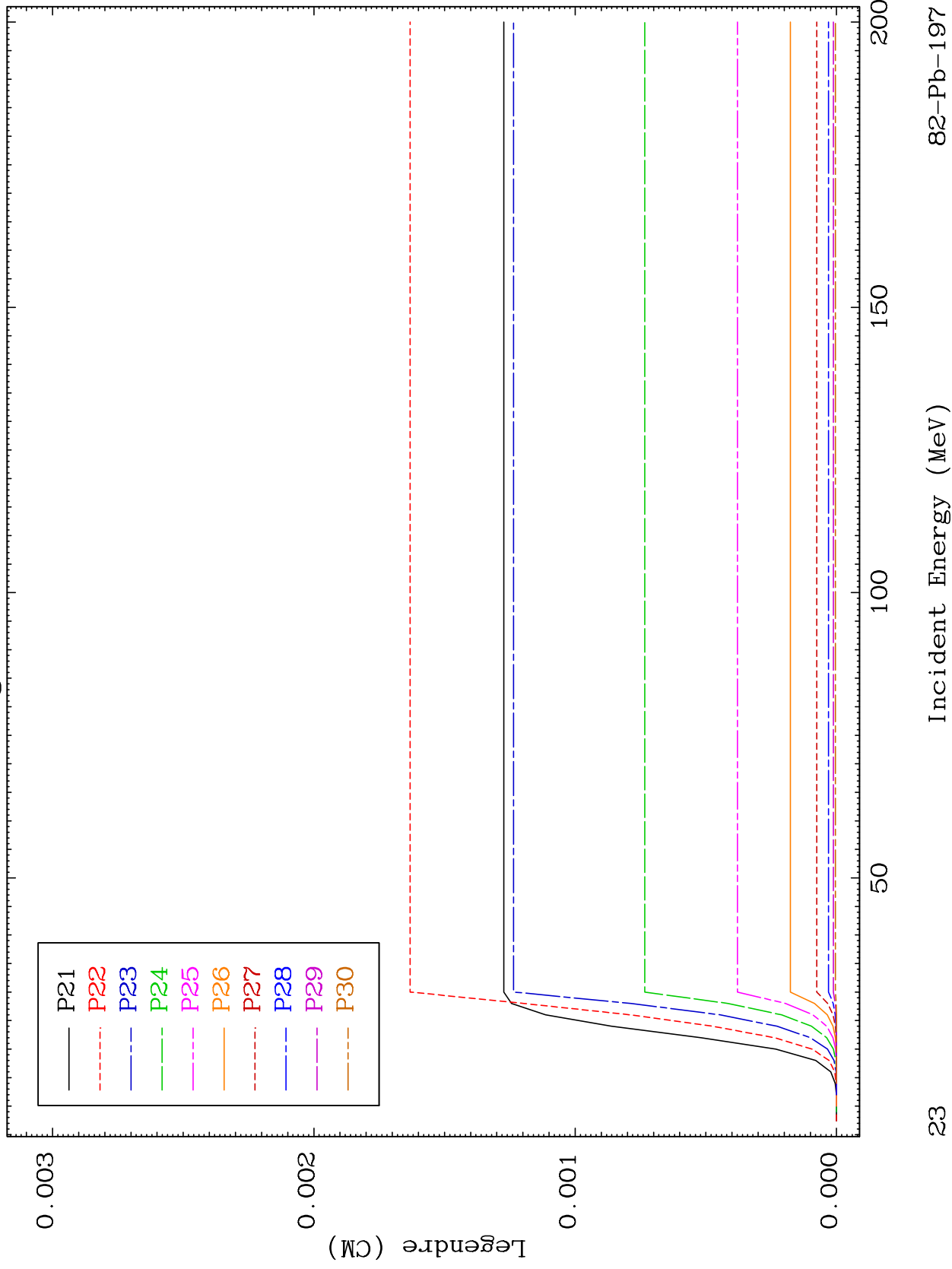
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82-Pb-197

MAT 8204

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

82-Pb-197



23

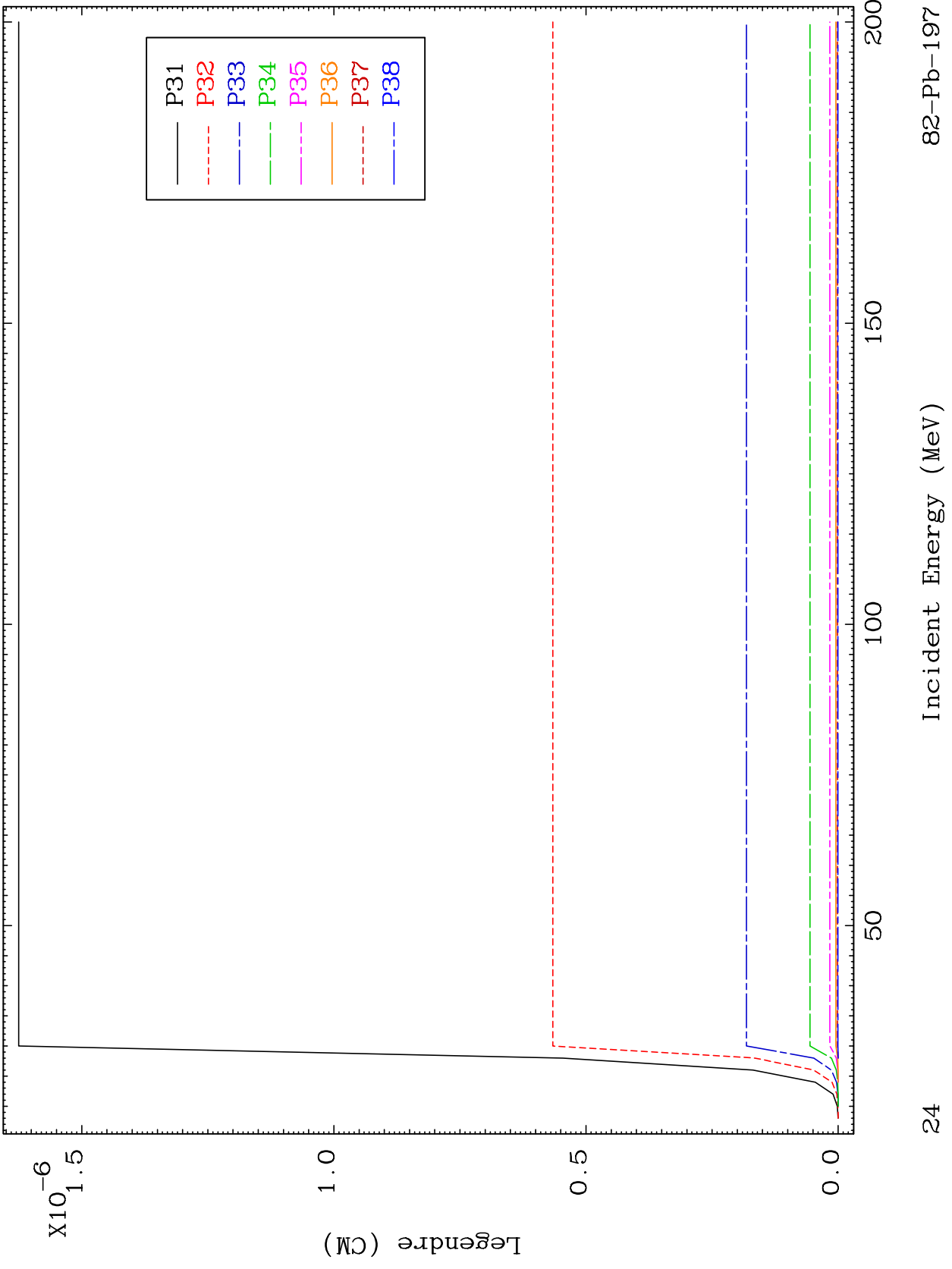
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

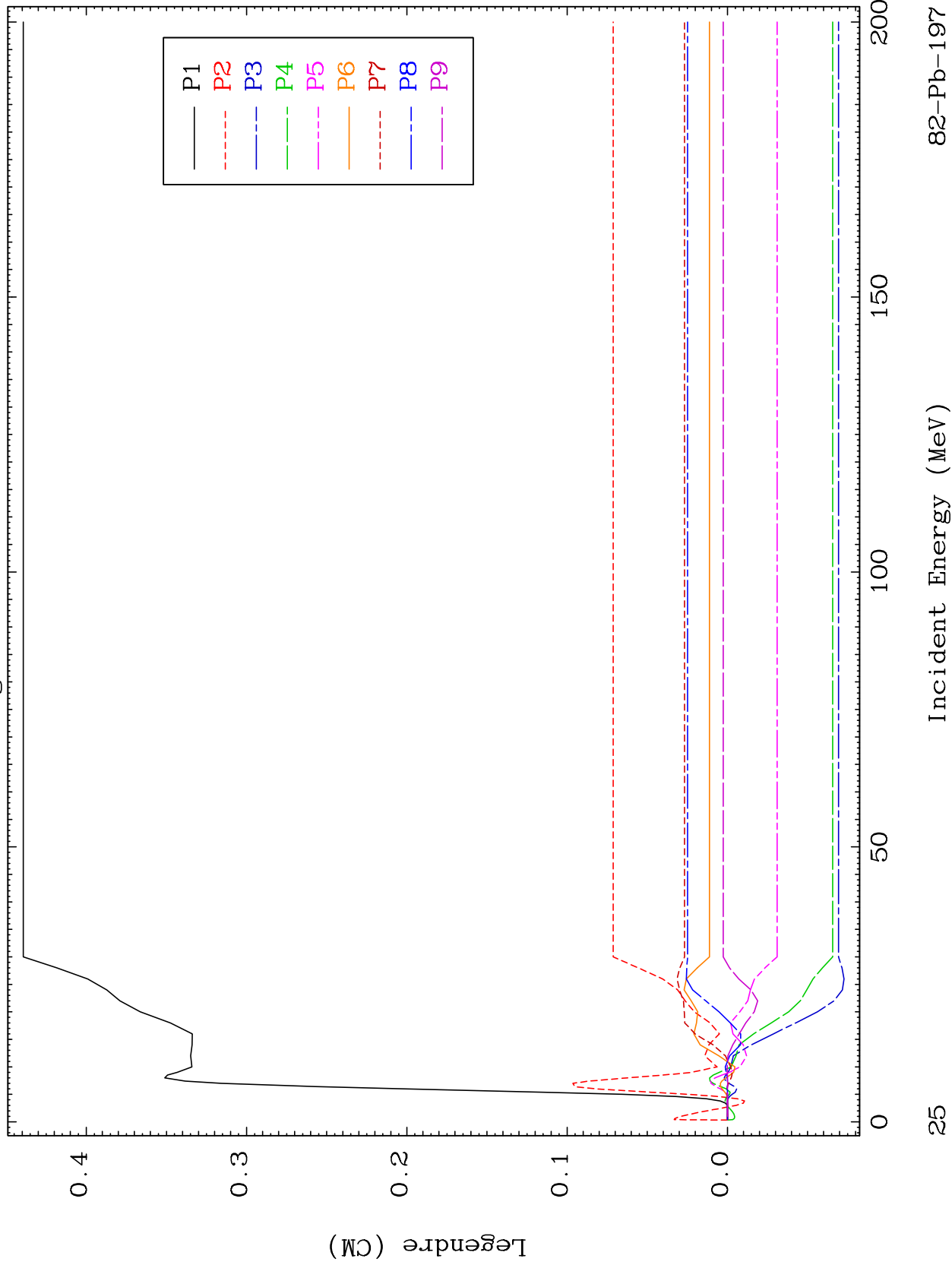
82-Pb-197



MAT 8204

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

82-Pb-197



82-Pb-197

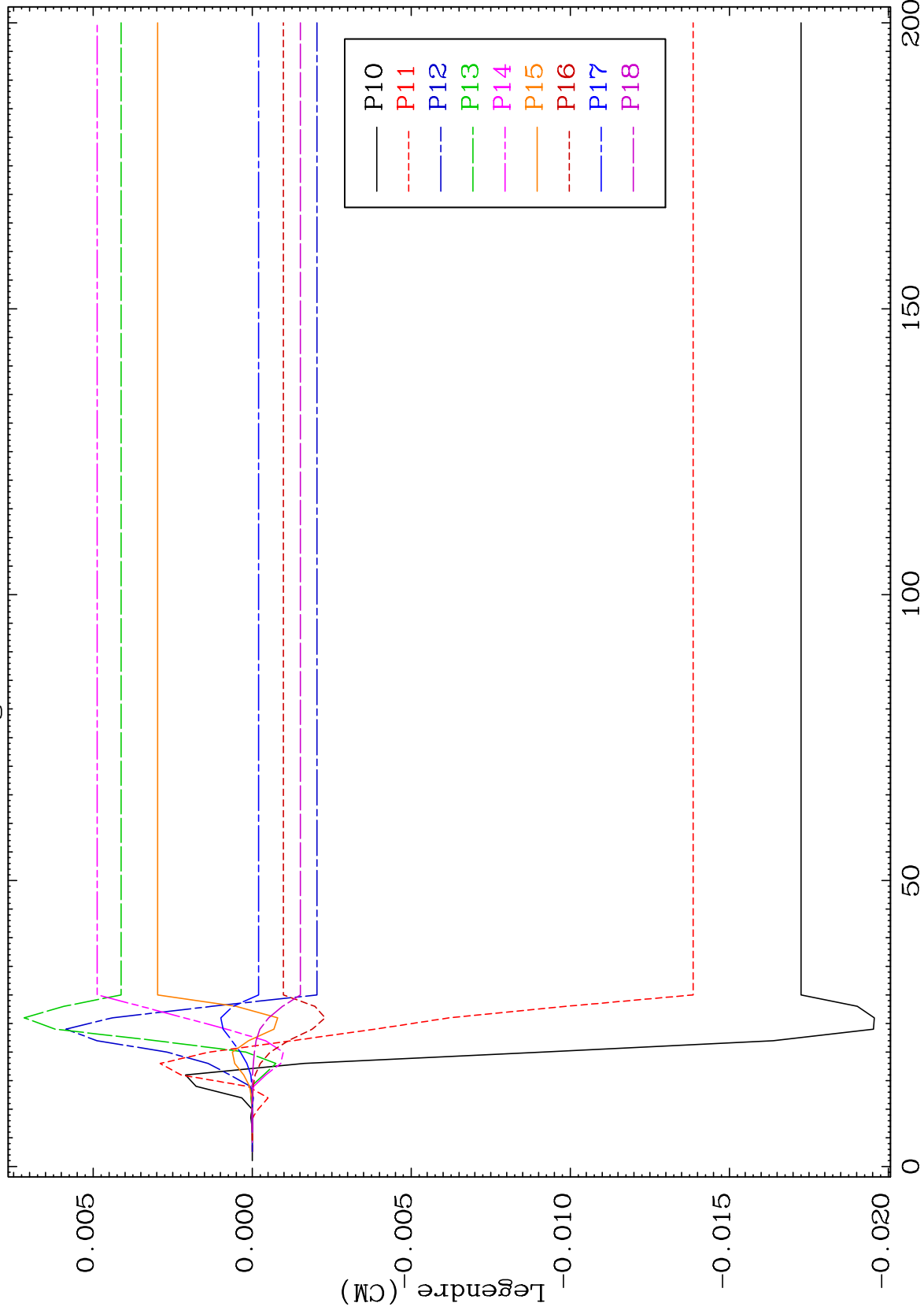
Incident Energy (MeV)

25

MAT 8204

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

82-Pb-197



26

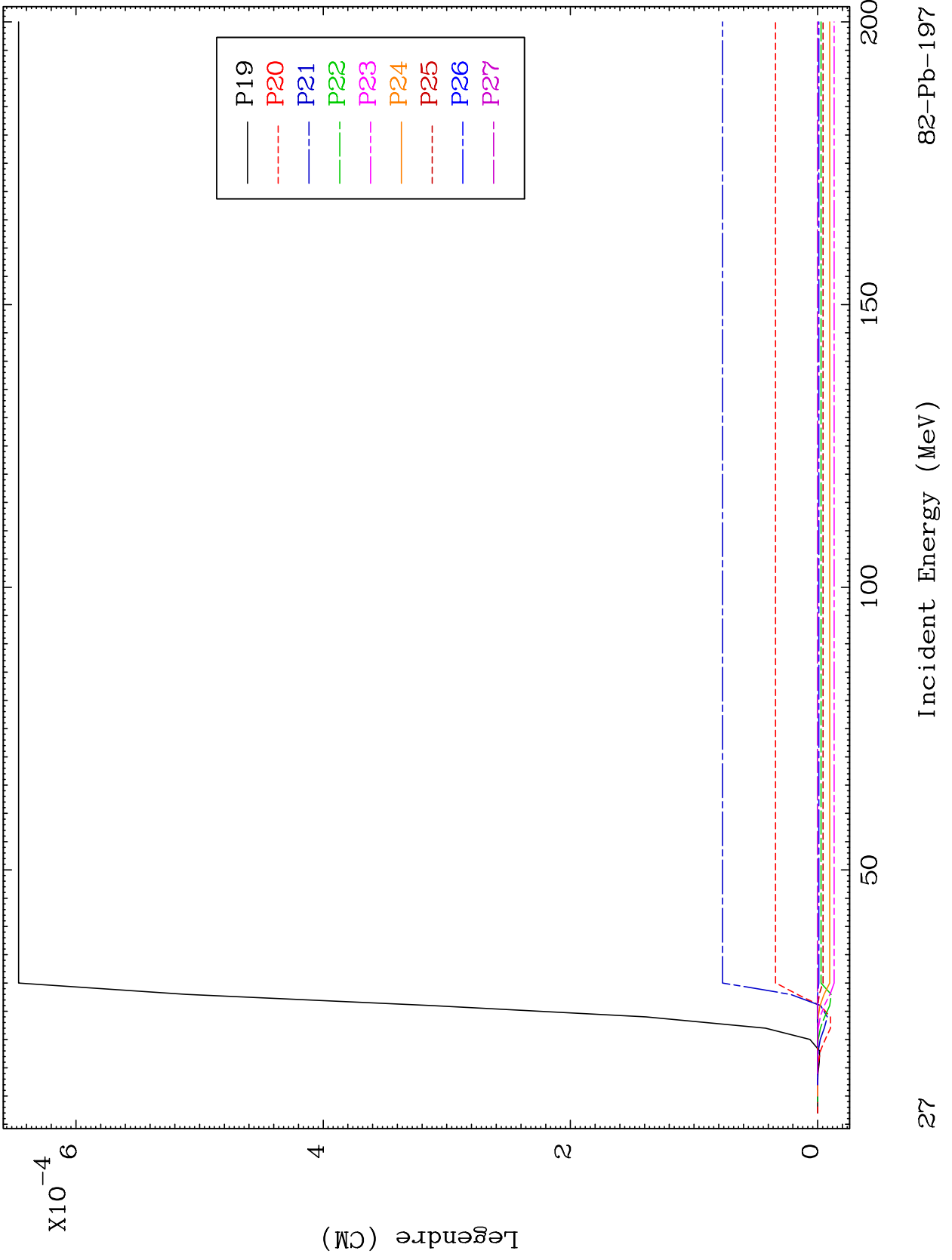
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

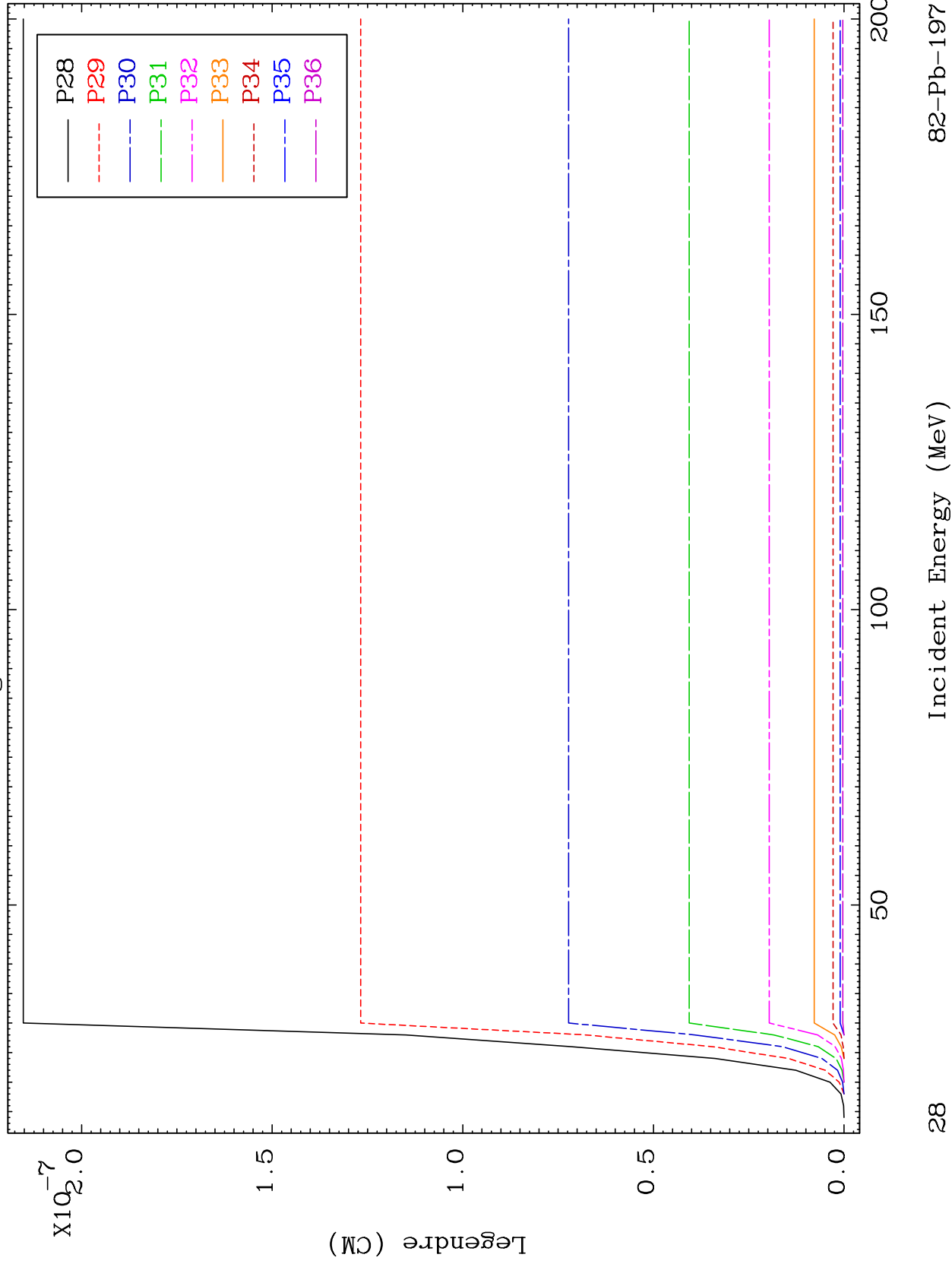
82-Pb-197



MAT 8204

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

82-Pb-197



28

Incident Energy (MeV)

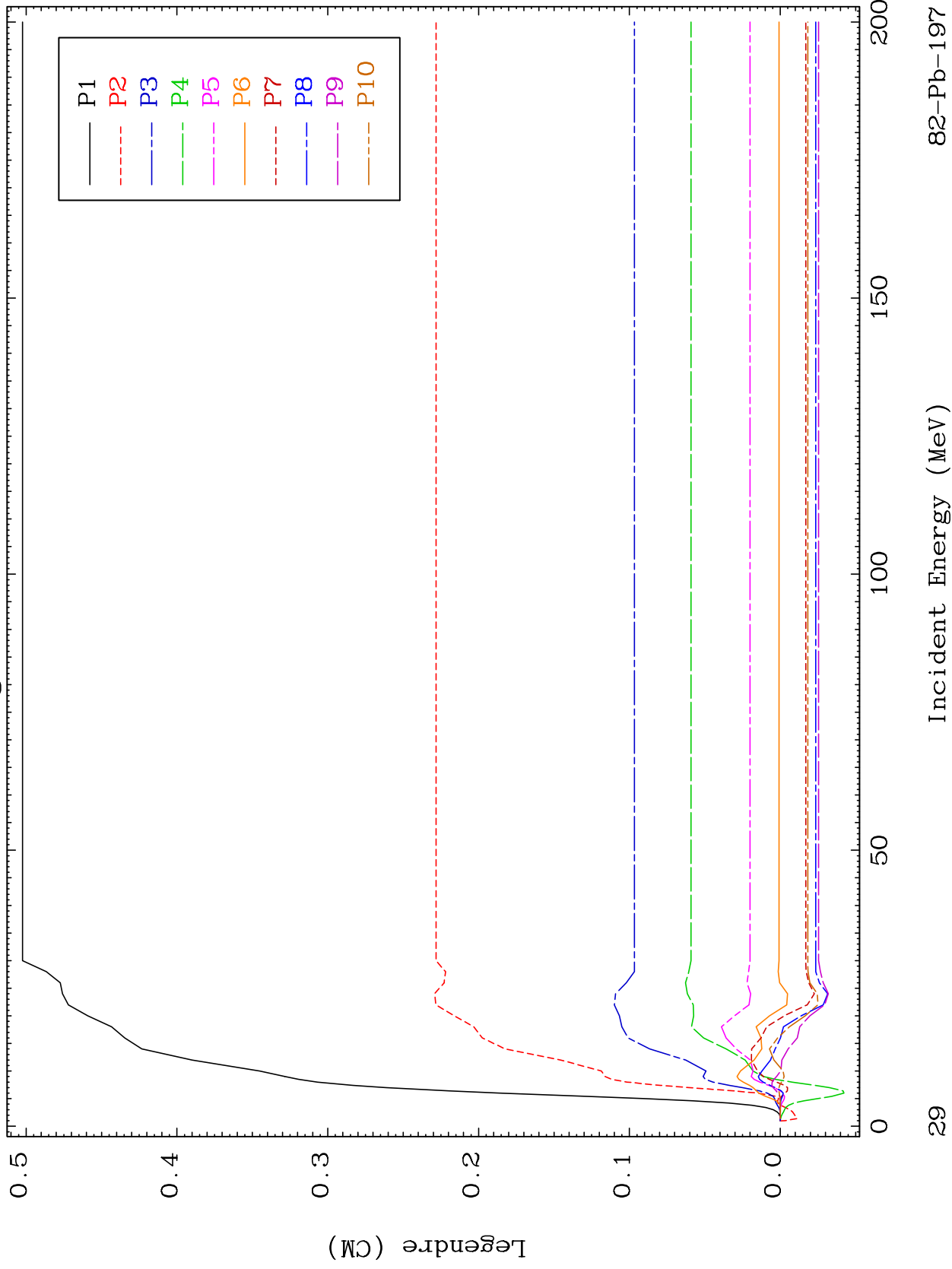
82-Pb-197

MAT 8204

MT= 53 (n,n') Level

82-Pb-197

Legendre Coefficients



82-Pb-197

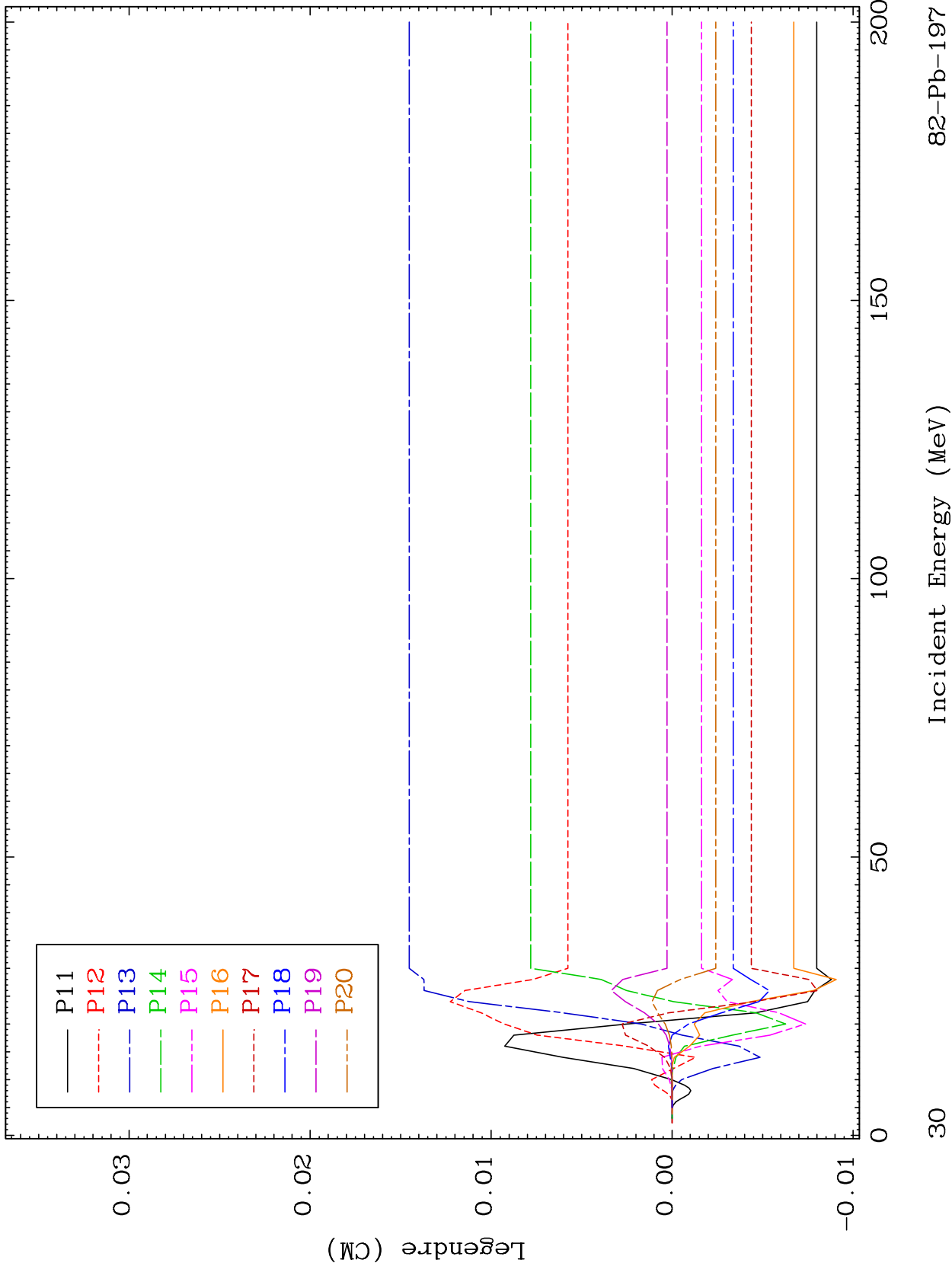
Incident Energy (MeV)

29

MAT 8204

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

82-Pb-197



82-Pb-197

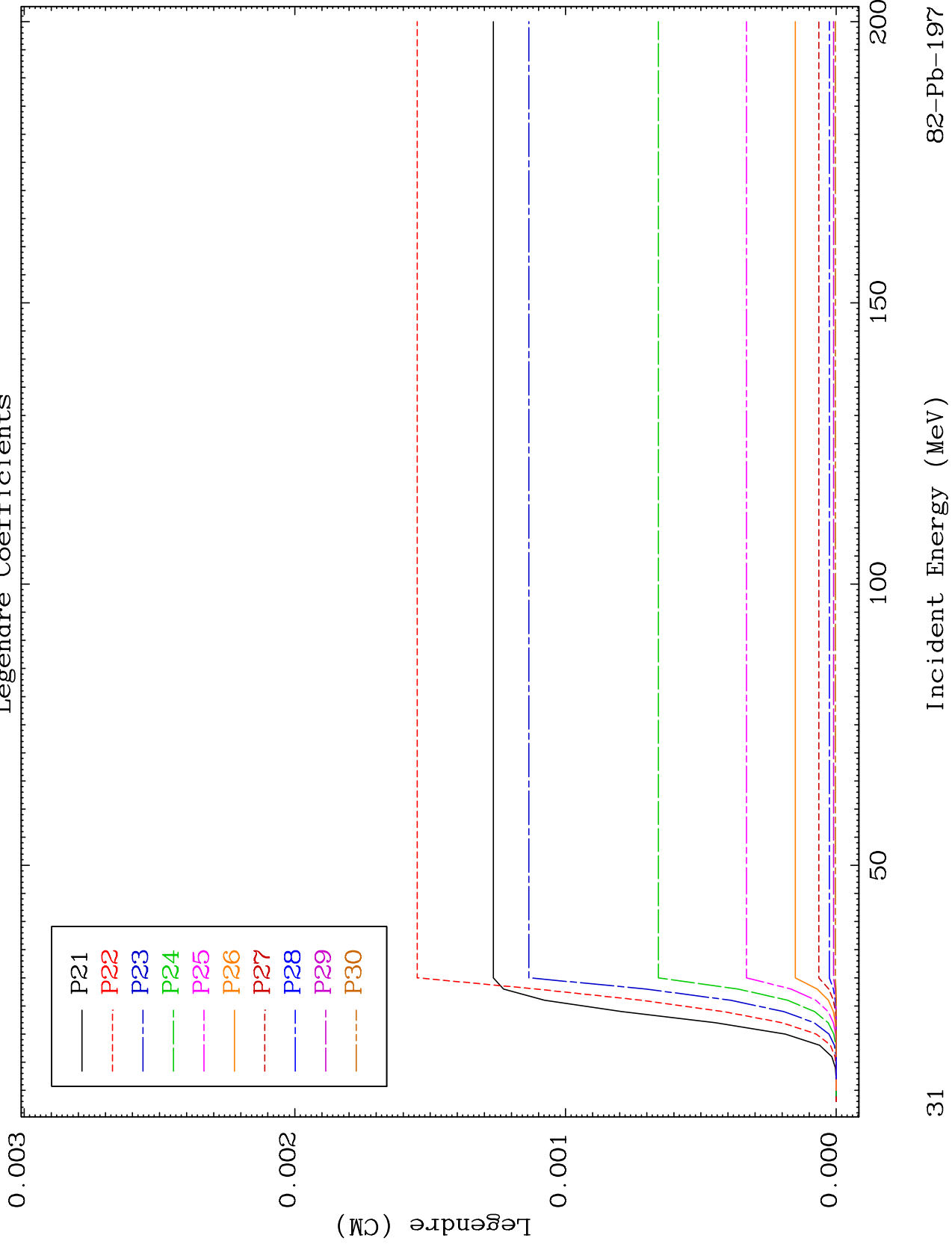
Incident Energy (MeV)

30

MAT 8204

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

82-Pb-197



MAT 8204

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

82-Pb-197

$\times 10^{-6}$
1.2

1.0

0.8

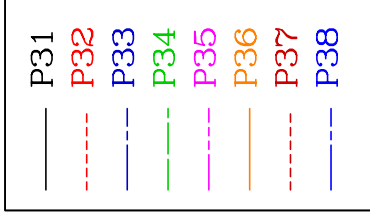
0.6

0.4

0.2

0.0

Legendre (CM)



50

100

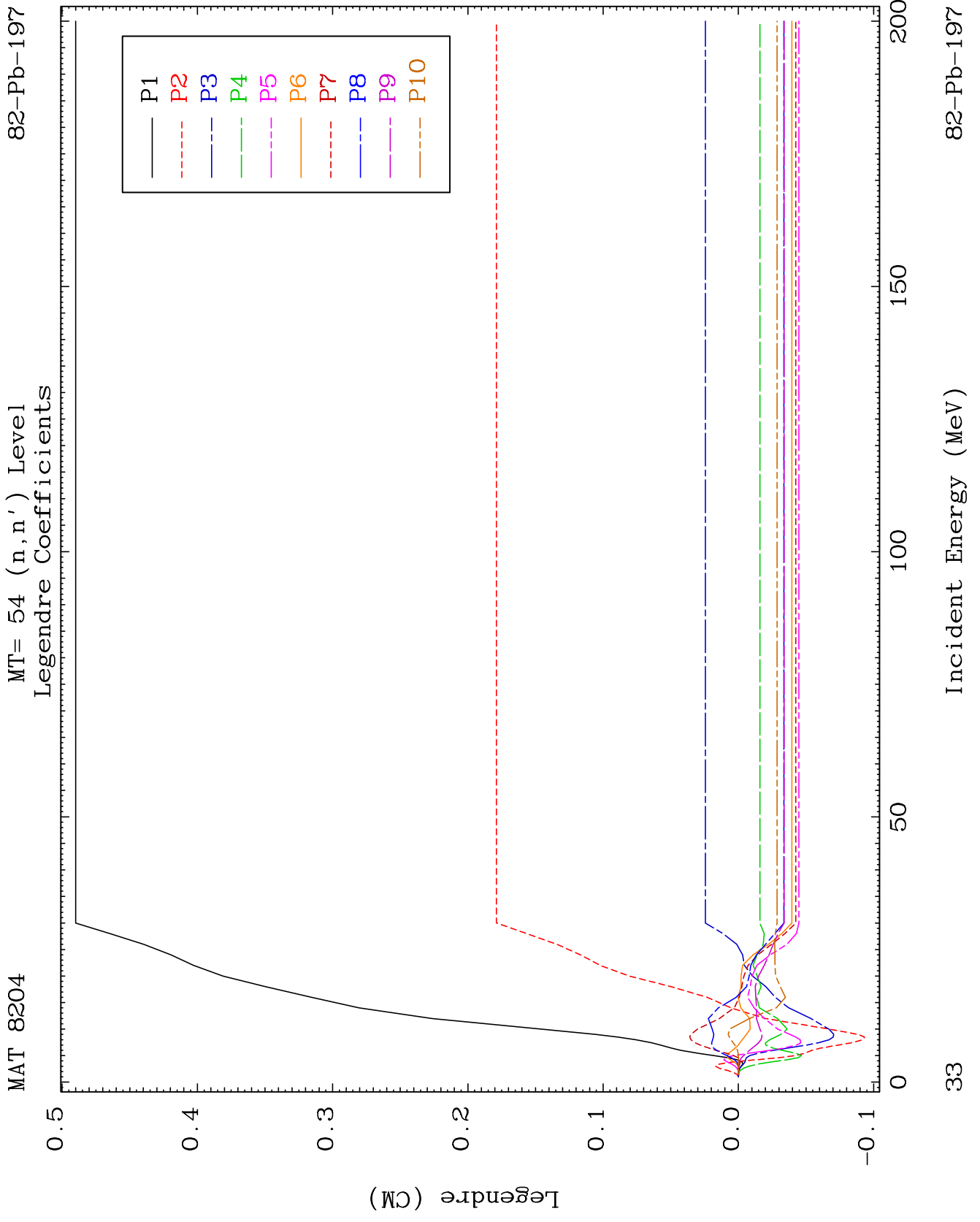
150

200

32

Incident Energy (MeV)

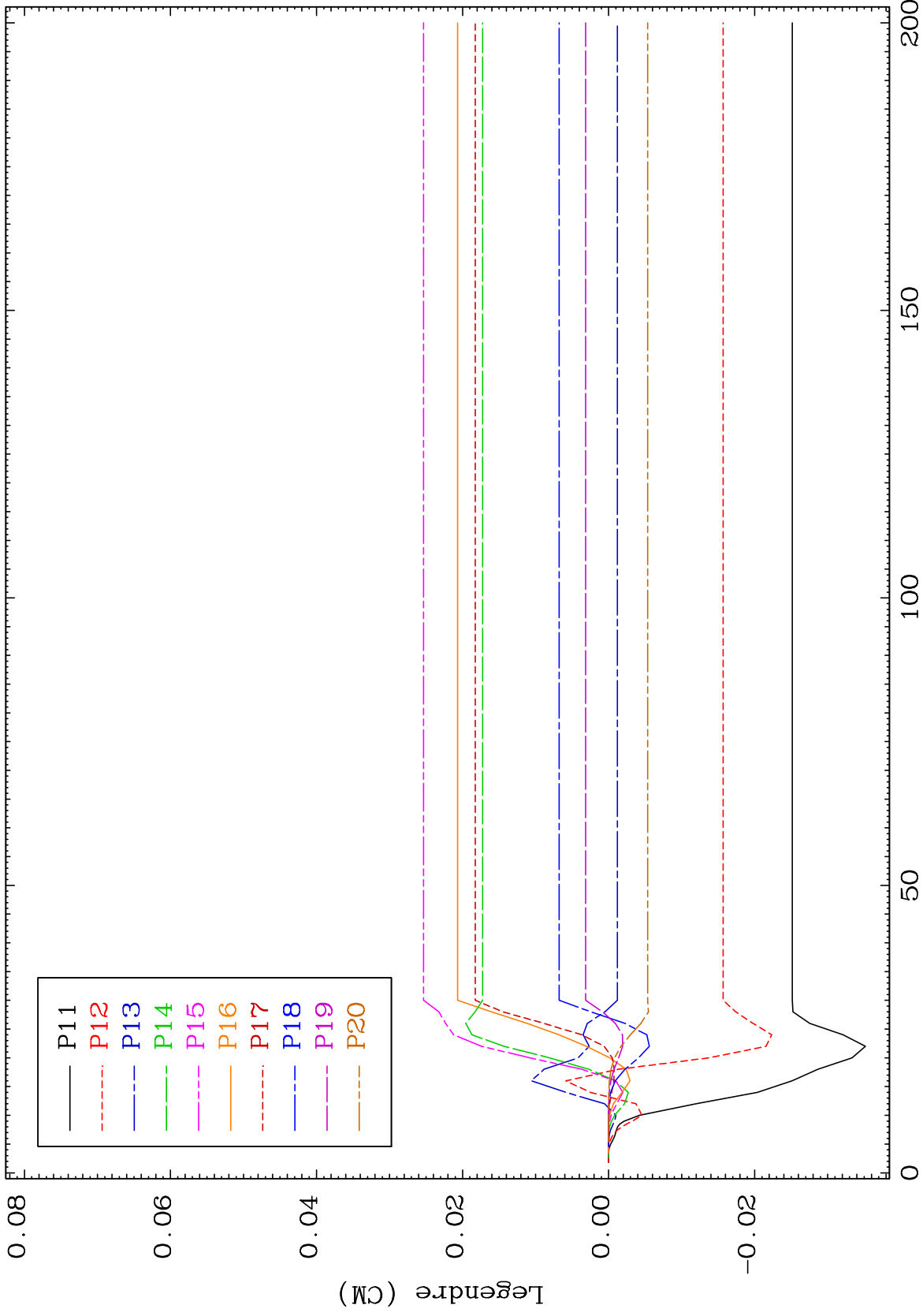
82-Pb-197



MAT 8204

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

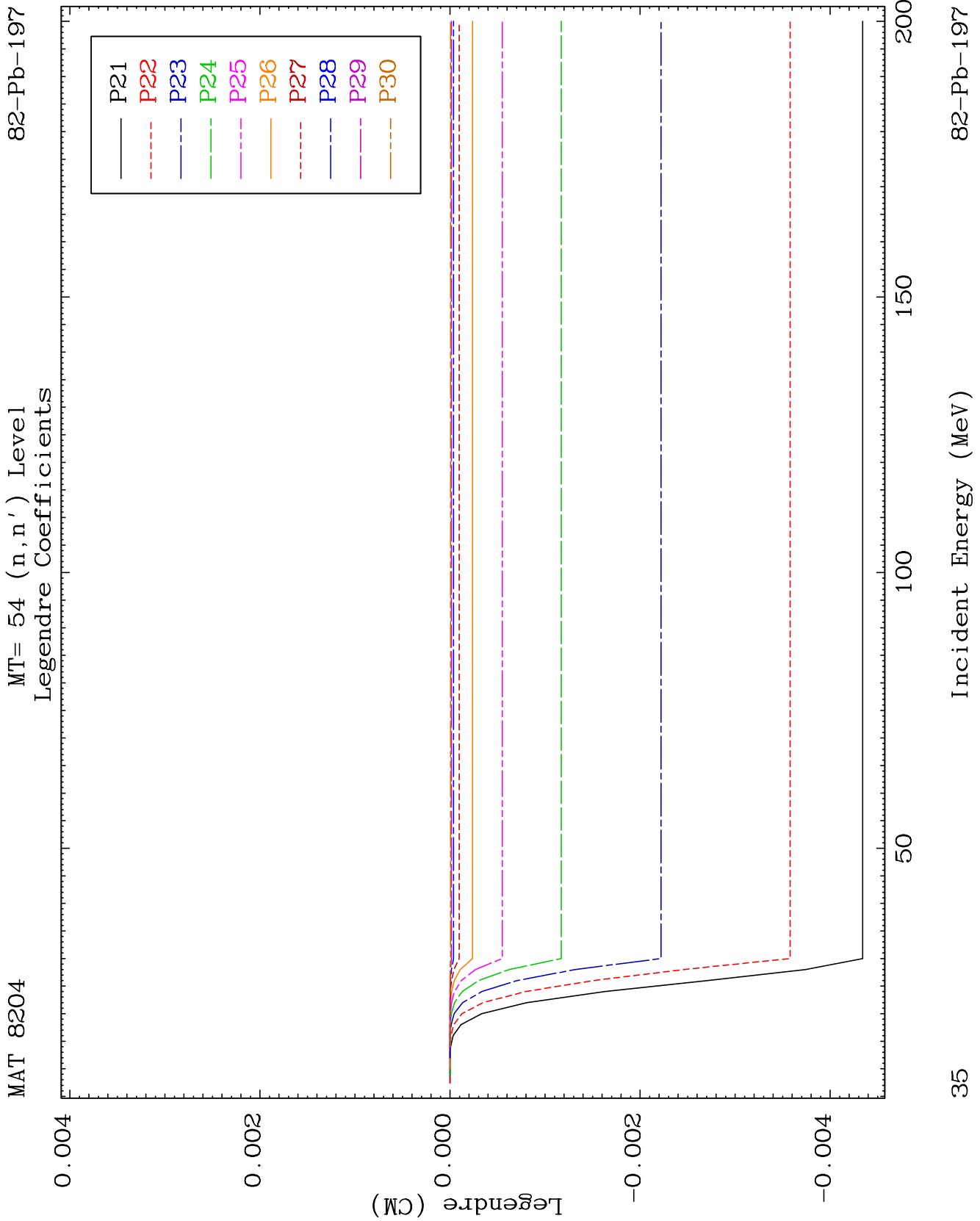
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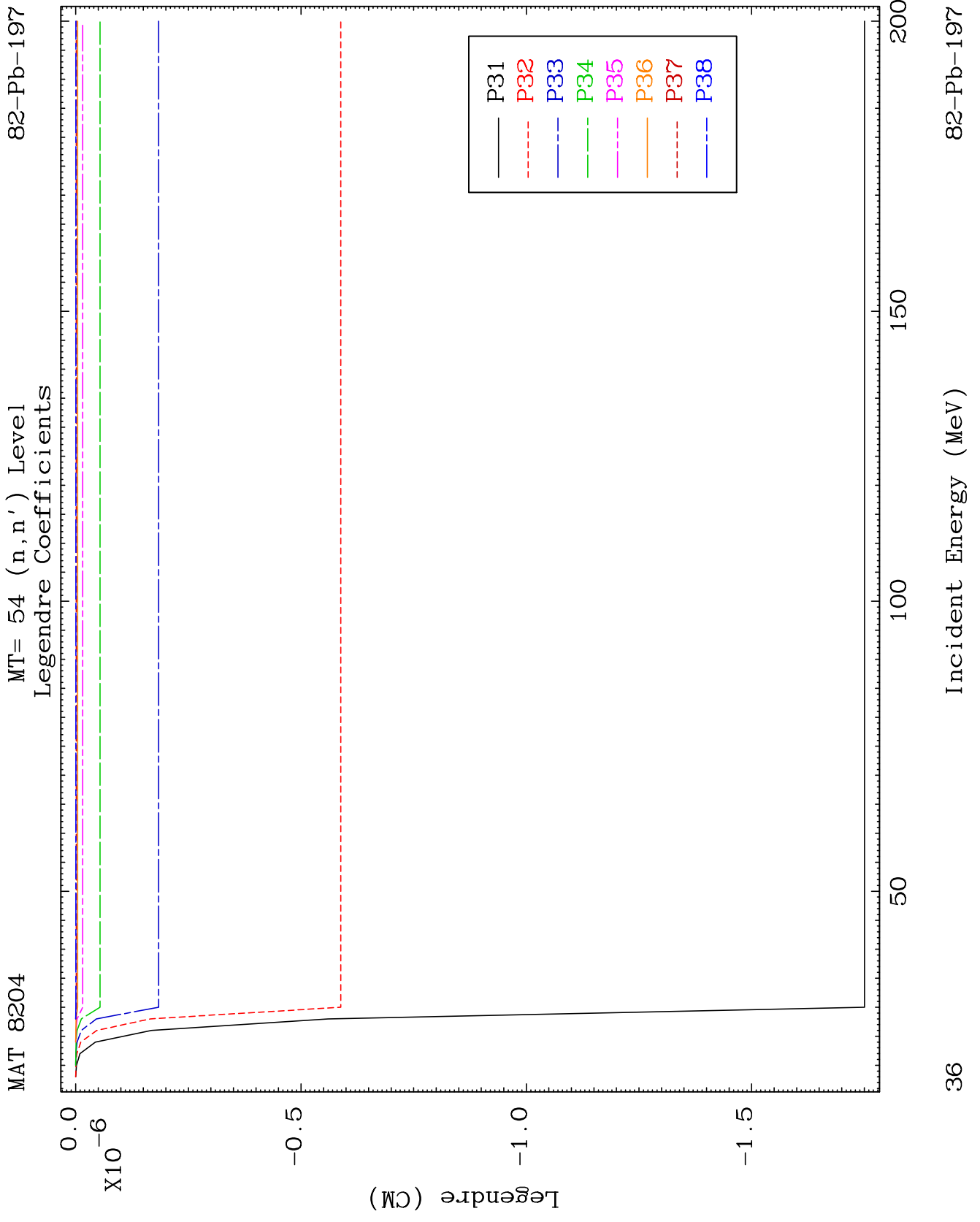


34

Incident Energy (MeV)

82-Pb-197

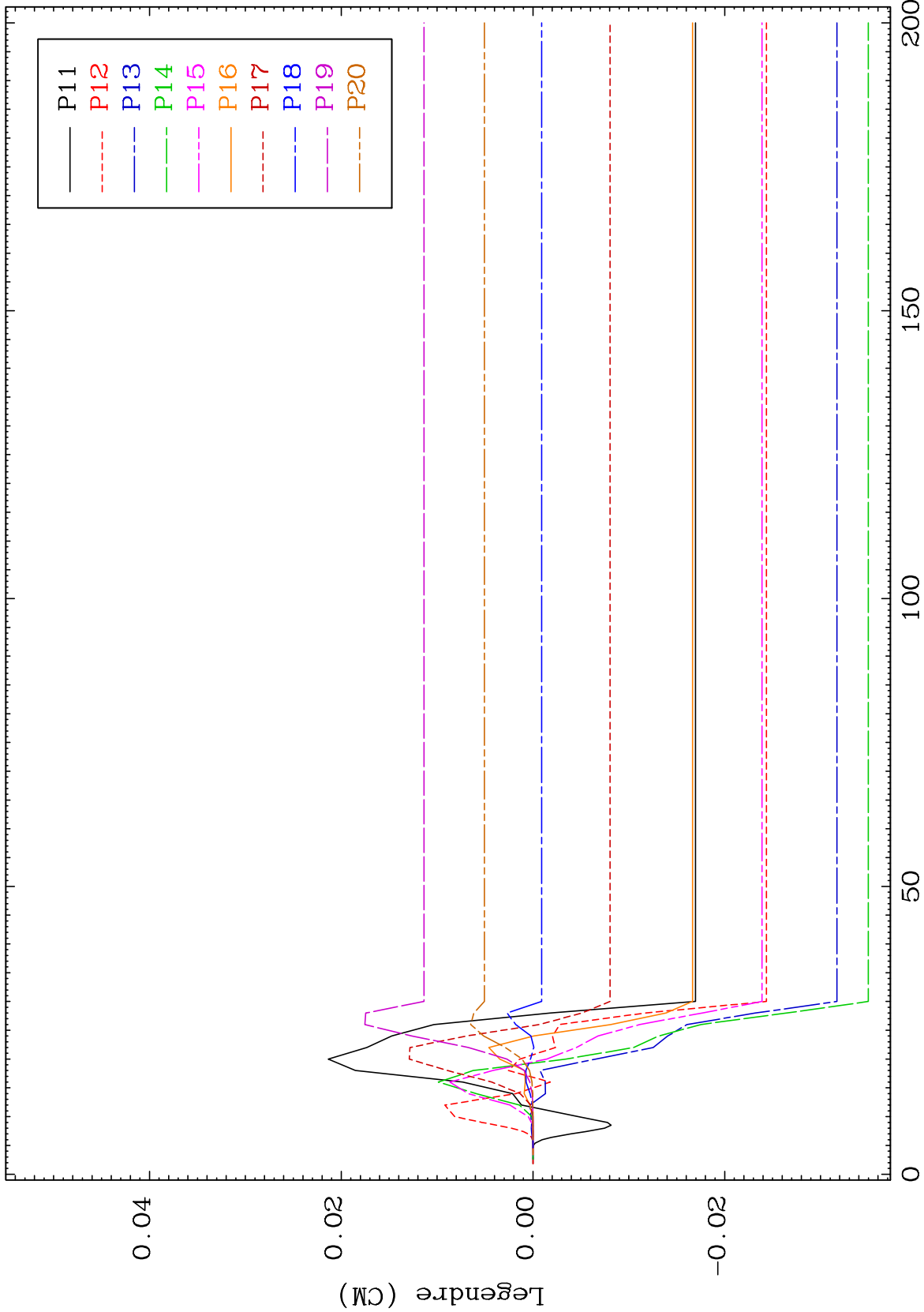




MAT 8204

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

82-Pb-197



38

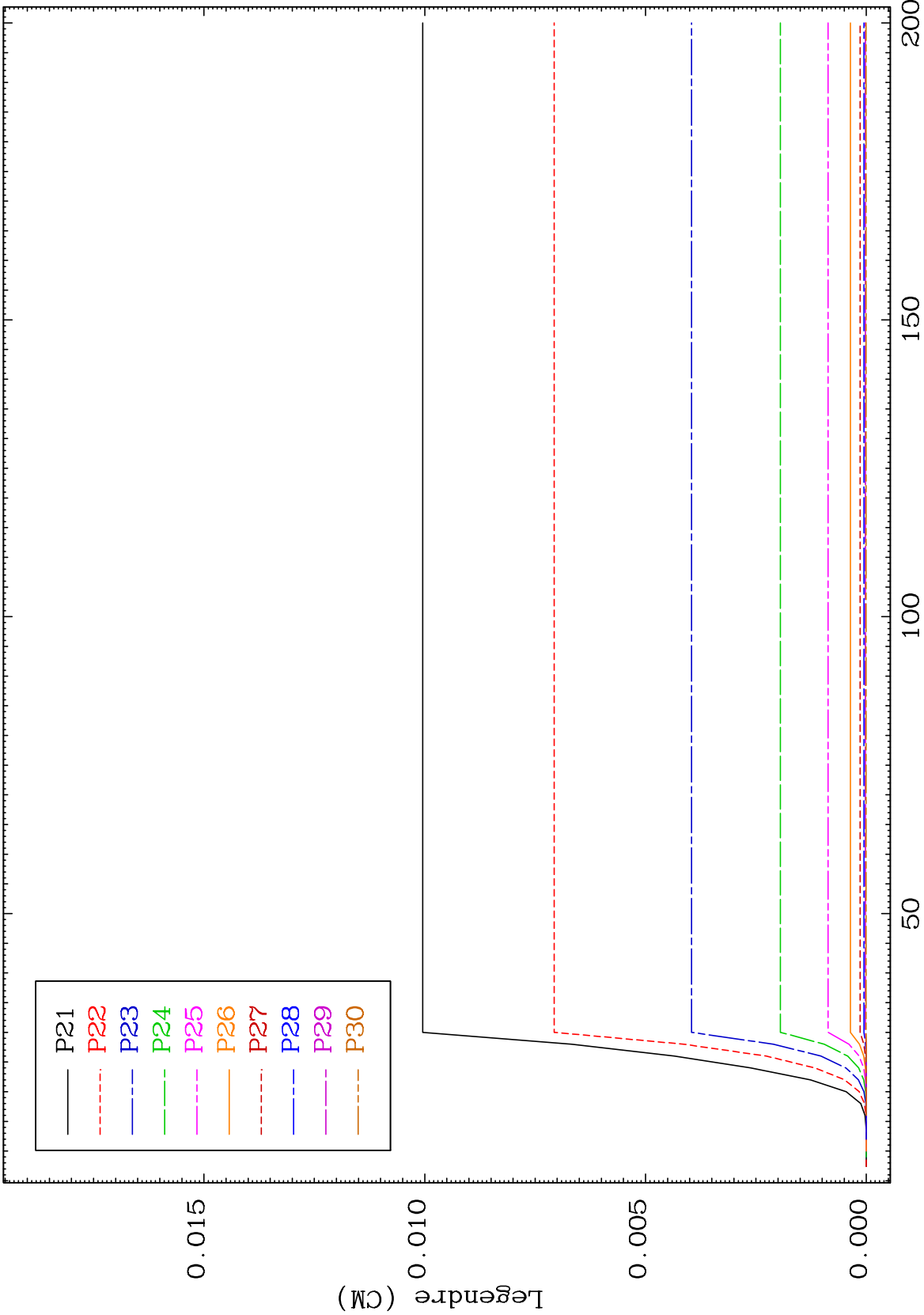
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



39

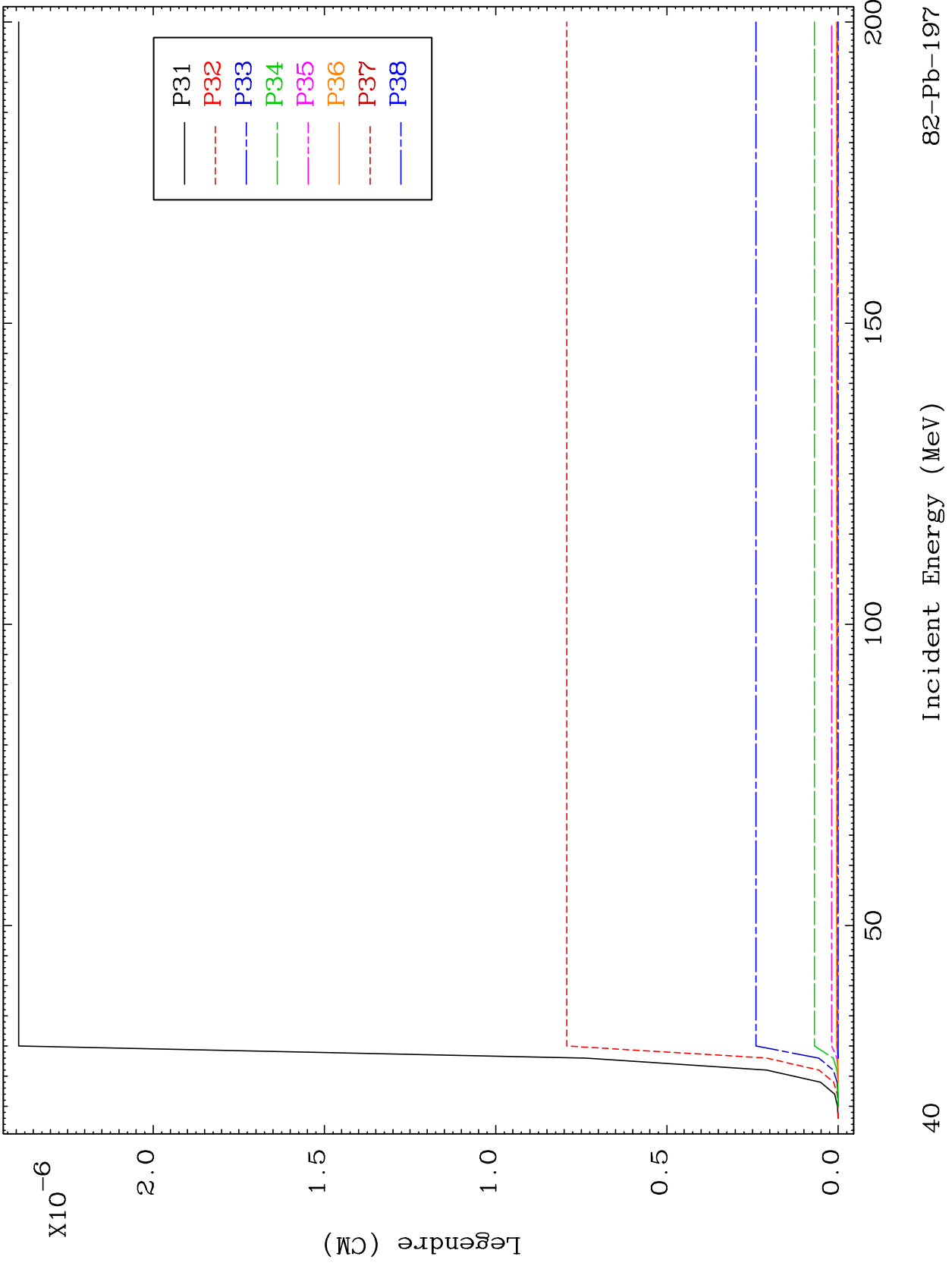
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

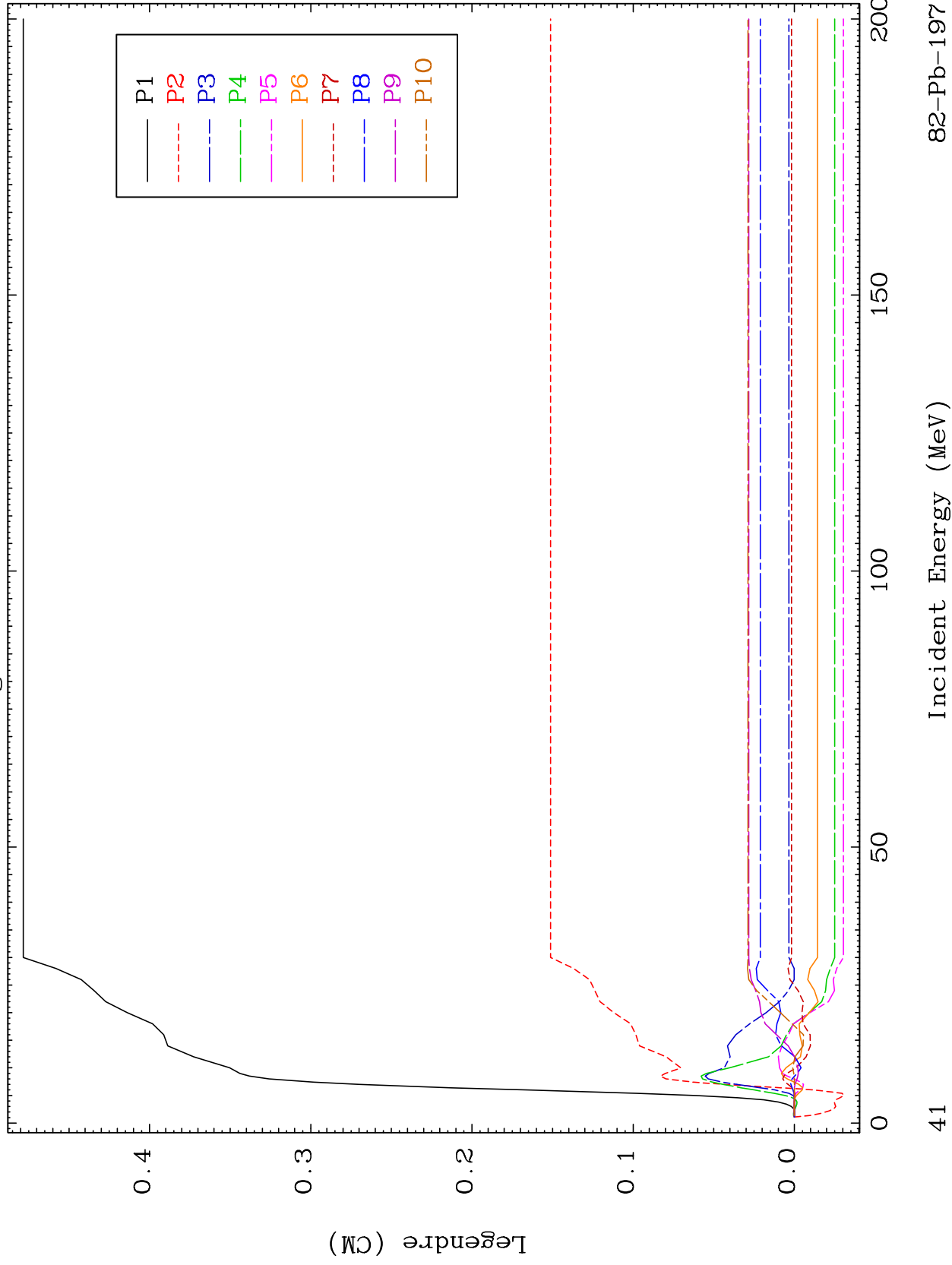
82-Pb-197



MAT 8204

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

82-Pb-197



41

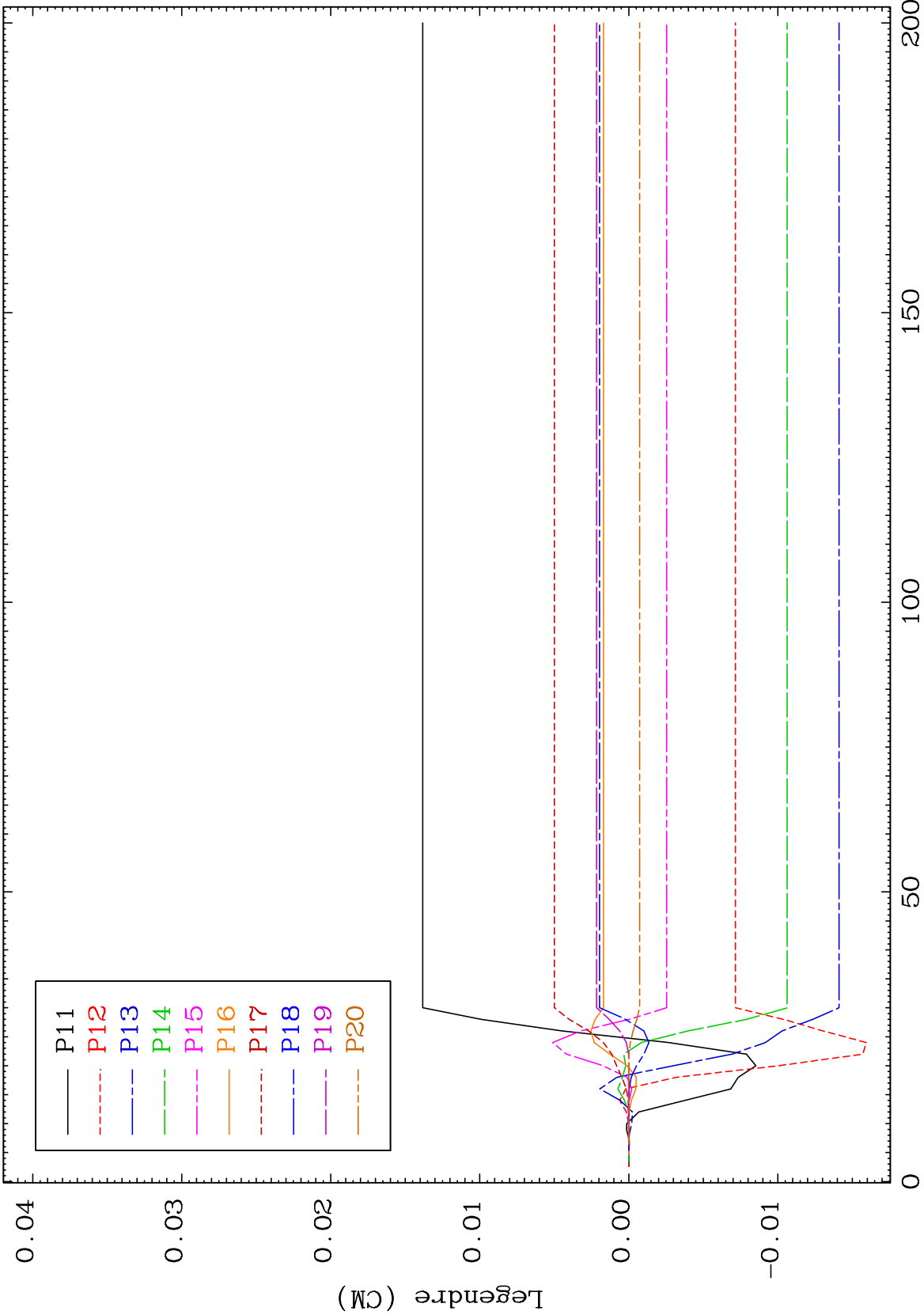
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

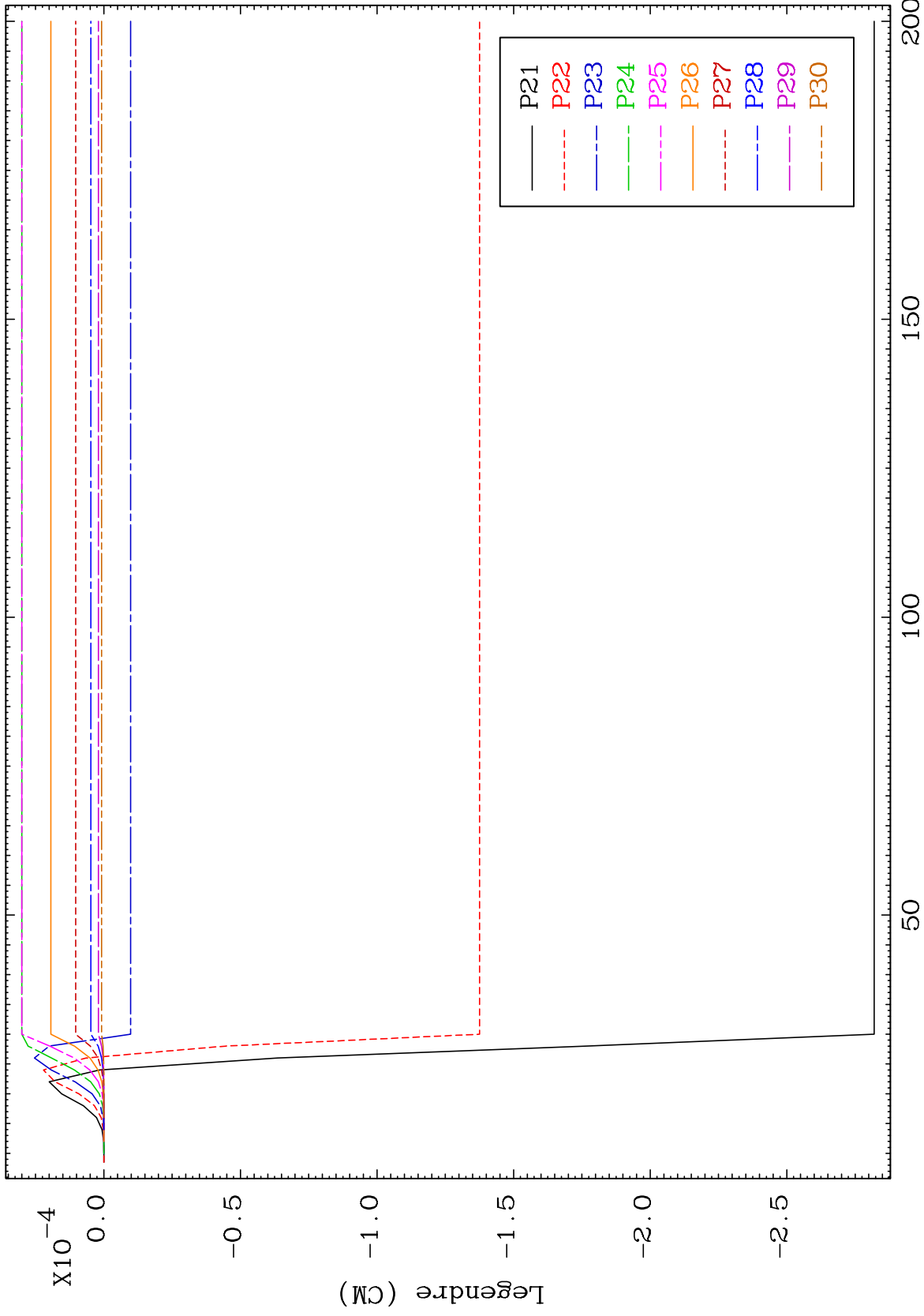
82-Pb-197



42

Incident Energy (MeV)

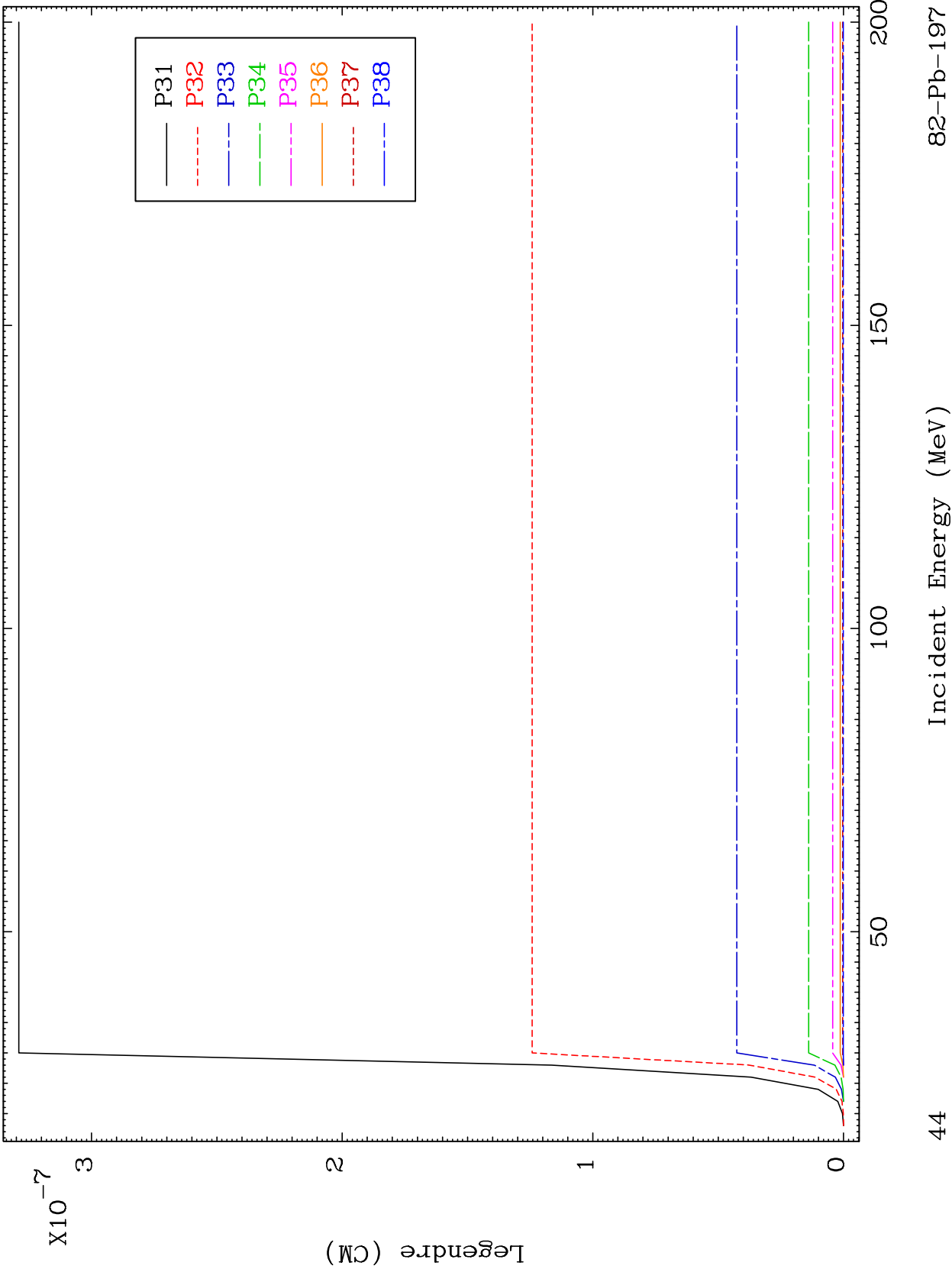
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MAT 8204

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

82-Pb-197



44

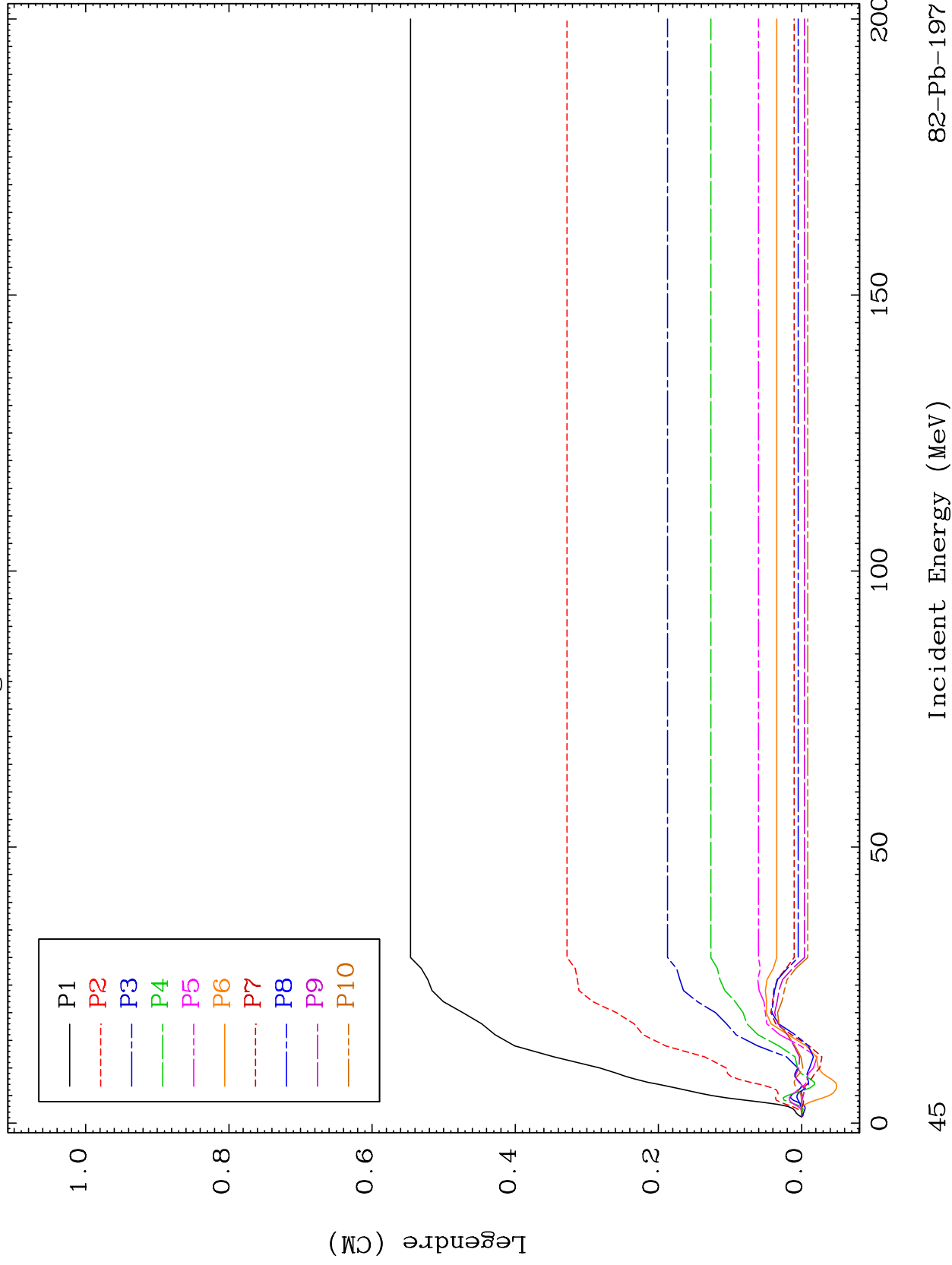
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



45

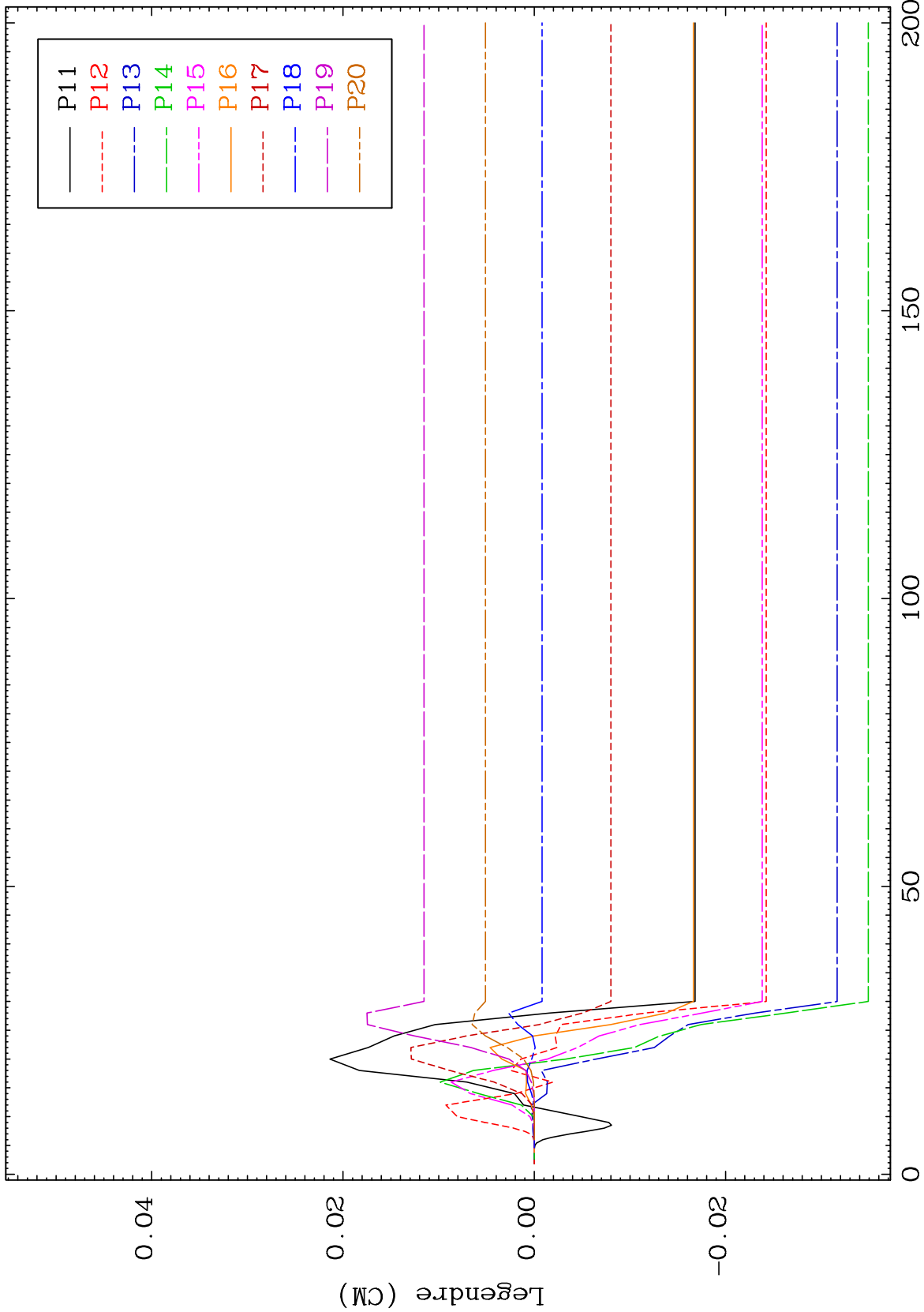
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



46

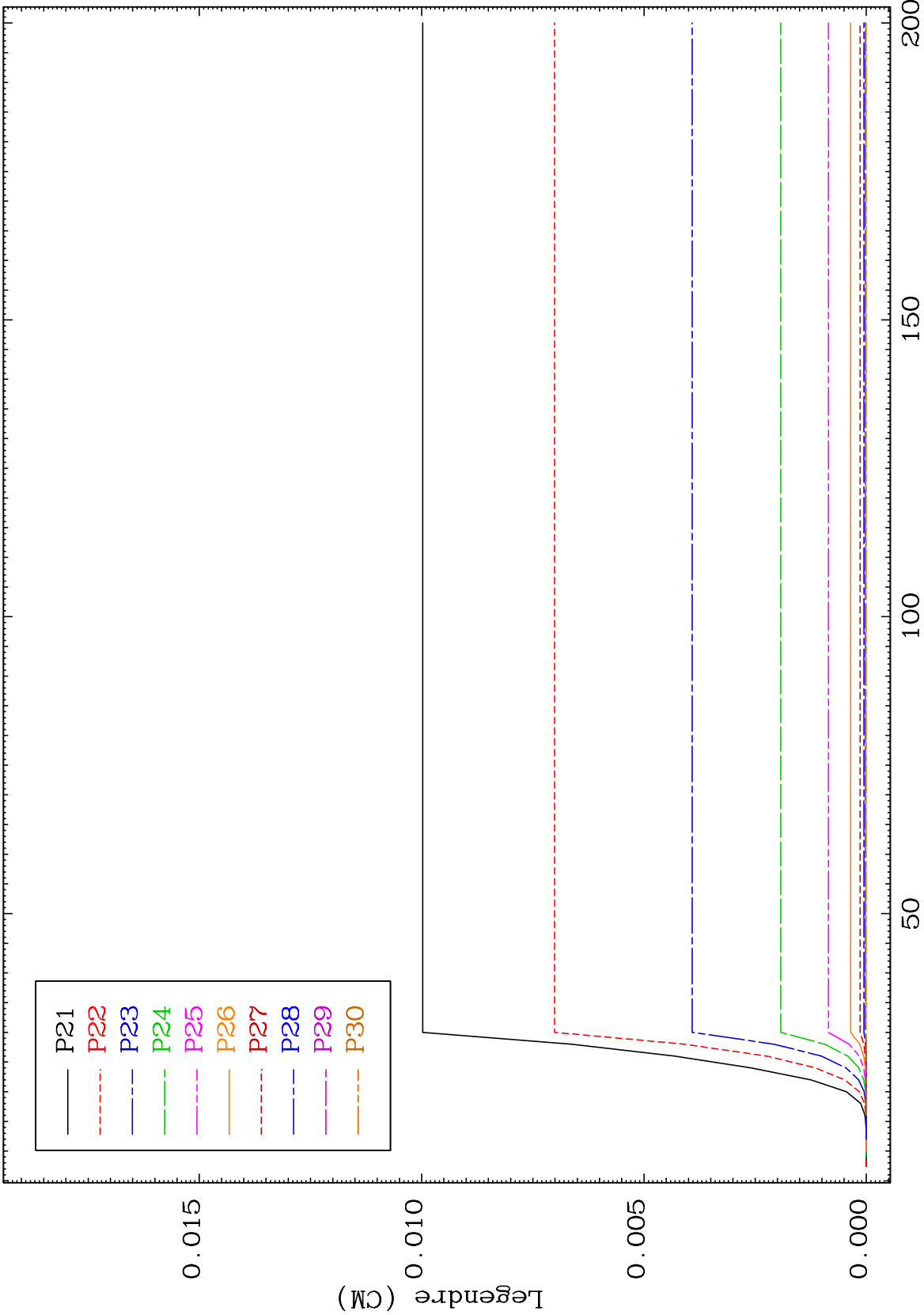
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



47

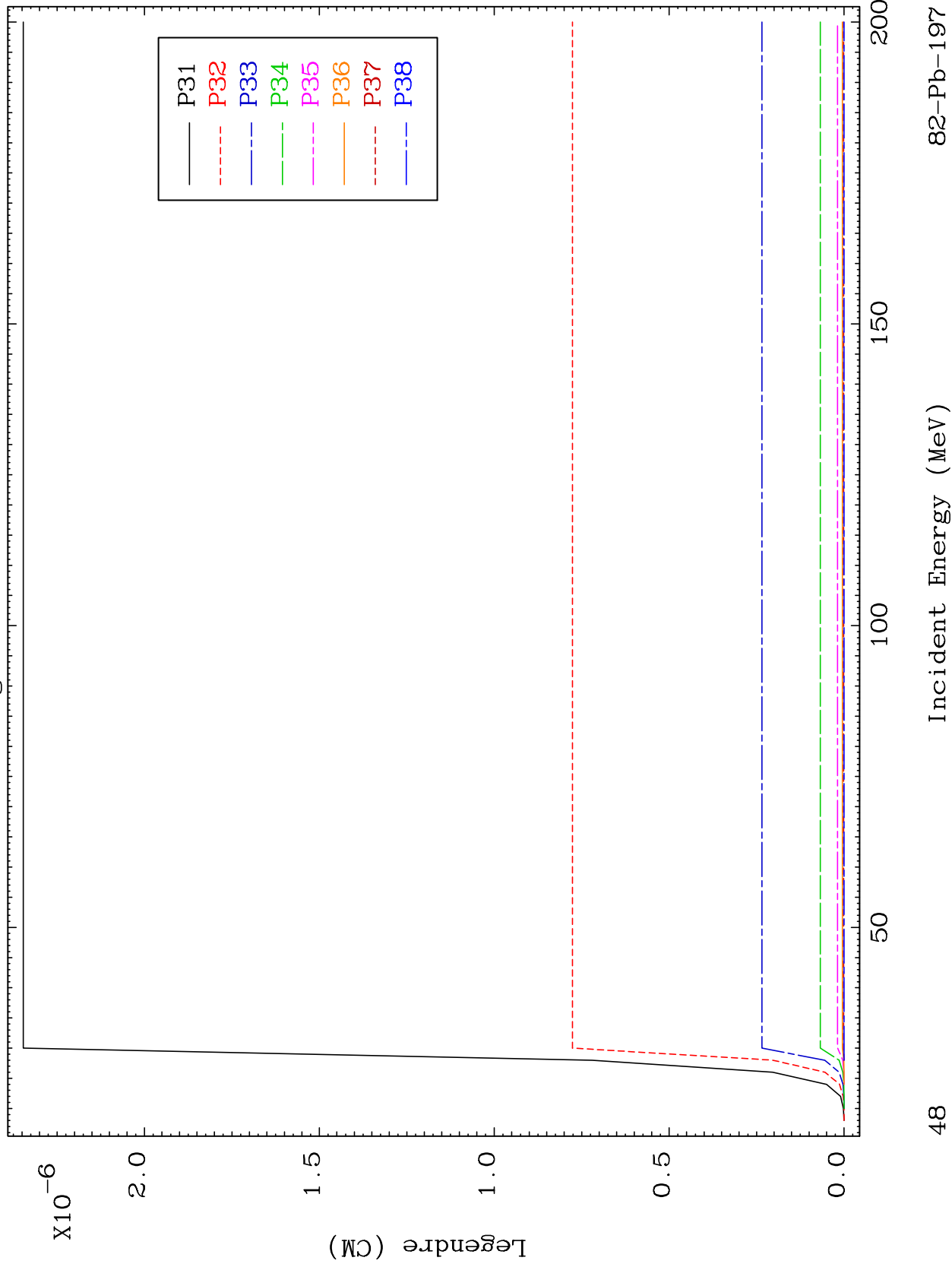
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



48

Incident Energy (MeV)

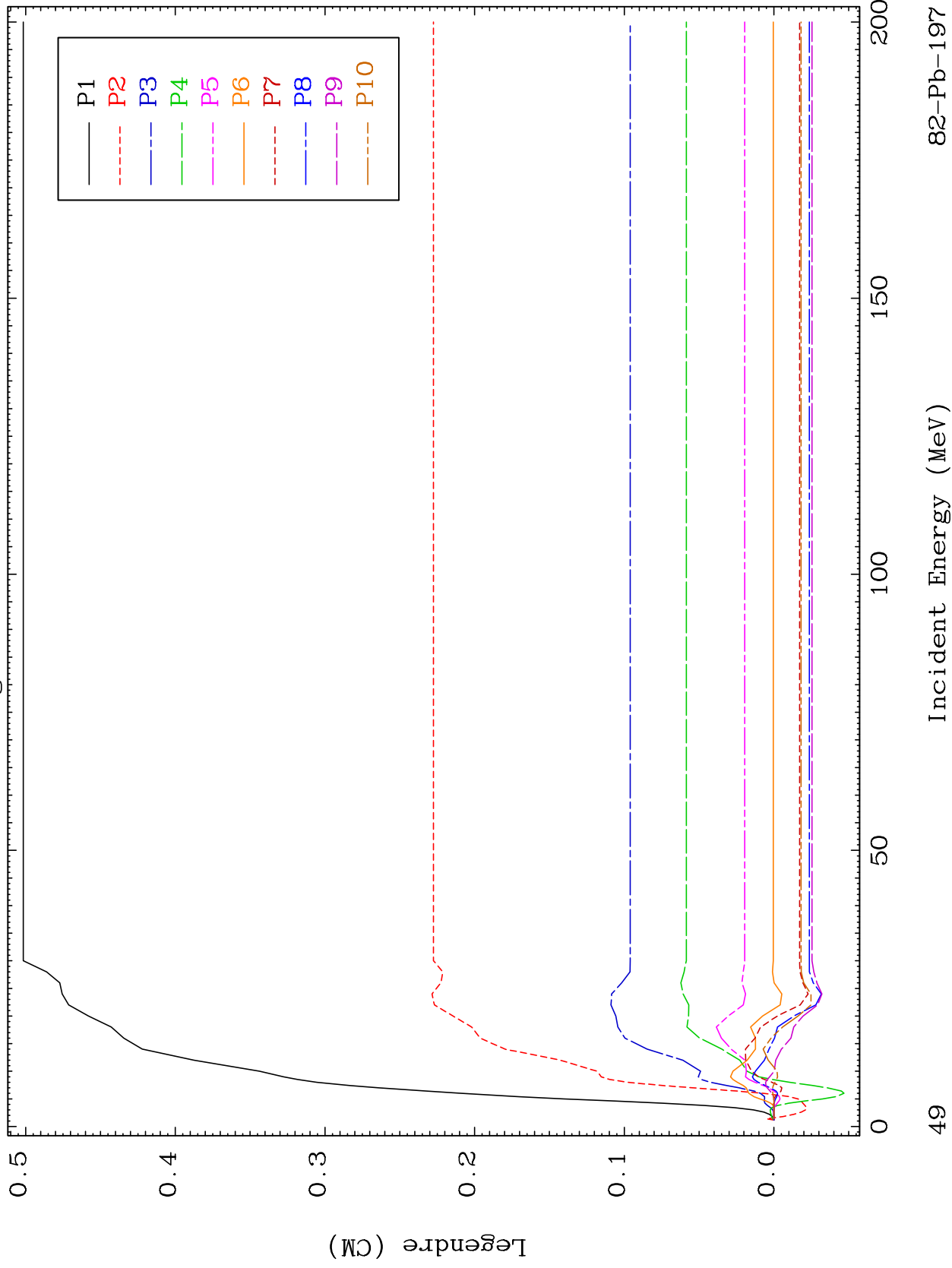
82-Pb-197

MAT 8204

MT= 58 (n,n') Level

82-Pb-197

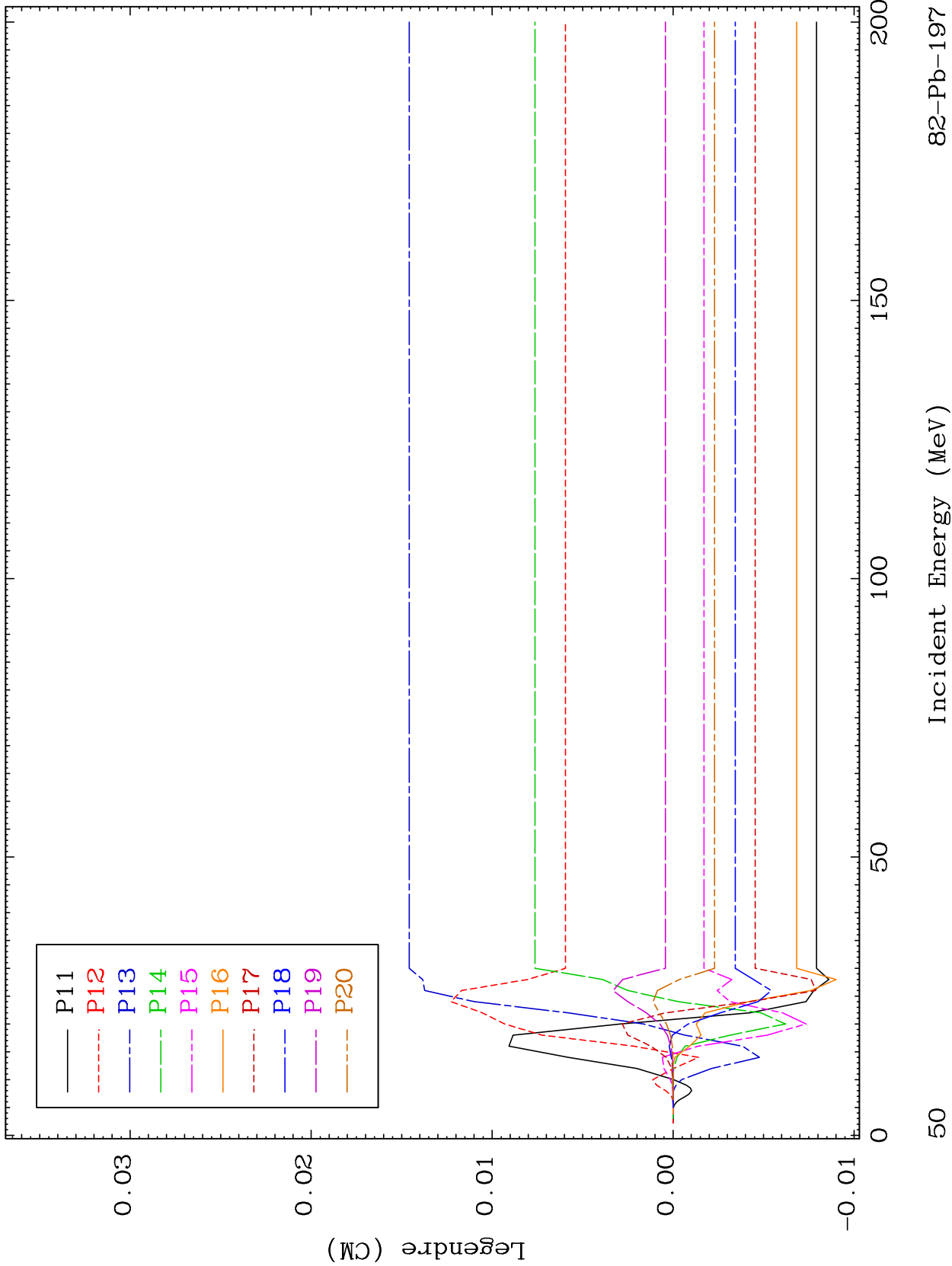
Legendre Coefficients



MAT 8204

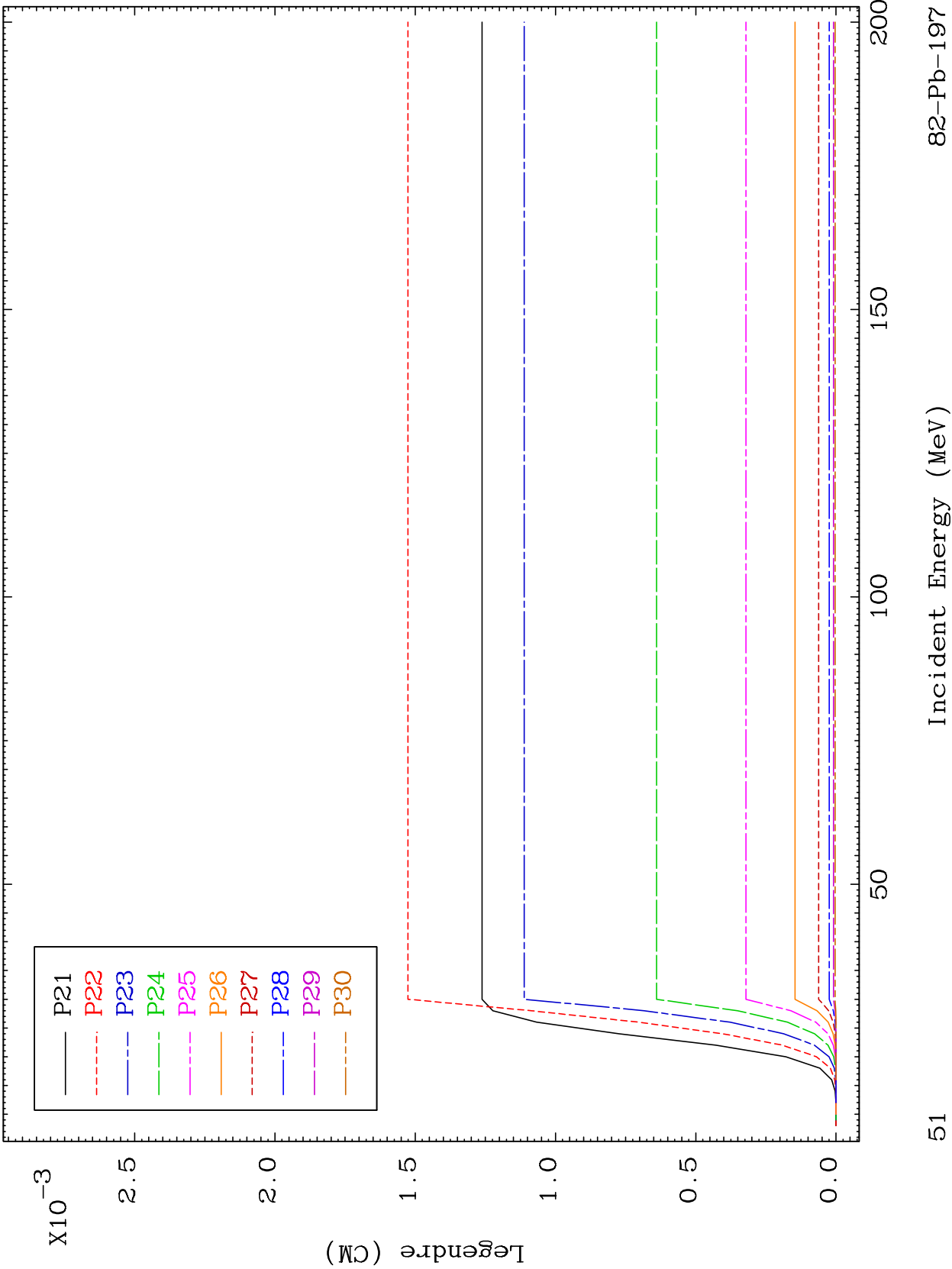
MT= 58 (n,n') Level
Legendre Coefficients

82-Pb-197



82-Pb-197

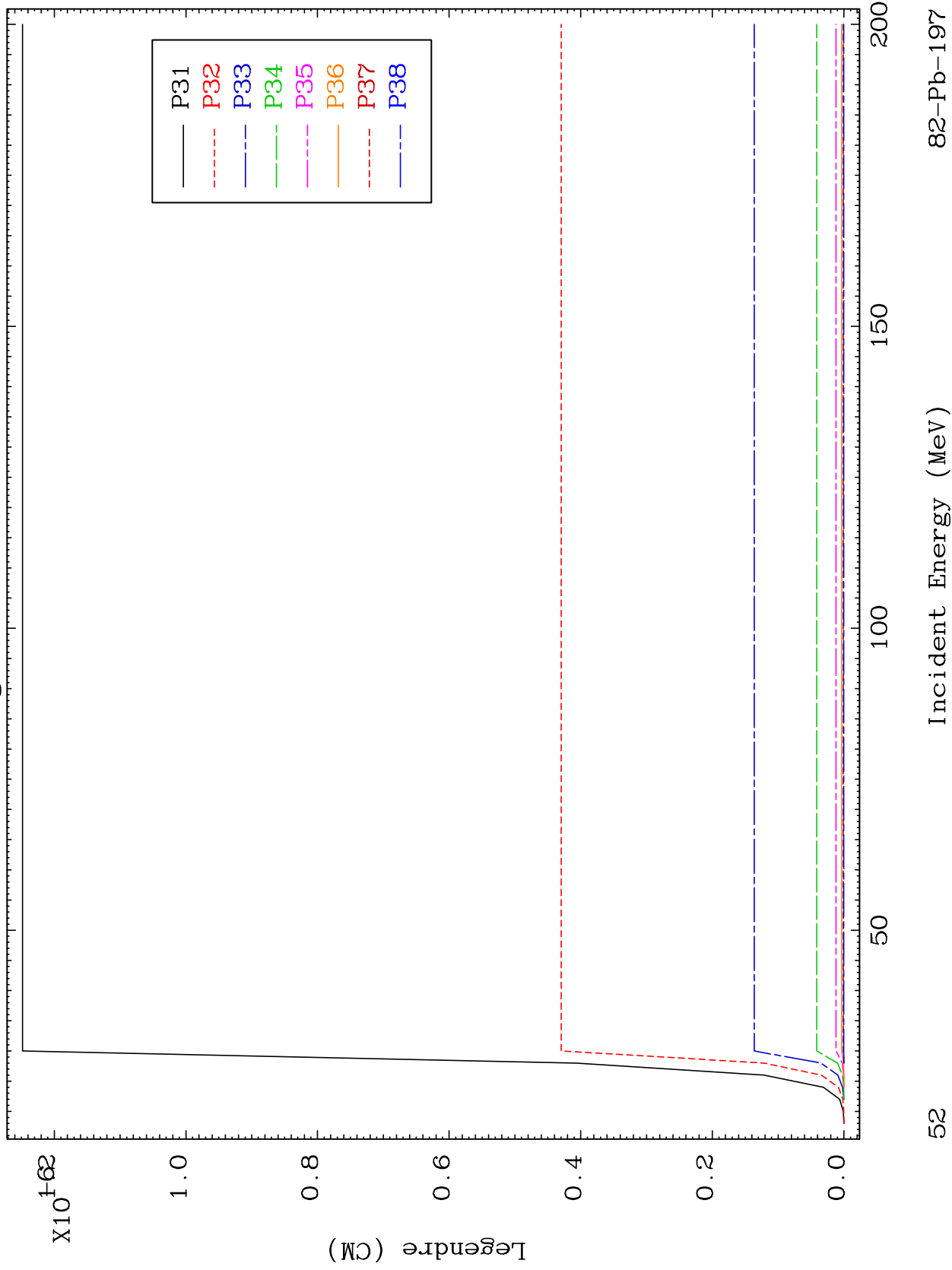
Incident Energy (MeV)



MAT 8204

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

82-Pb-197



52

Incident Energy (MeV)

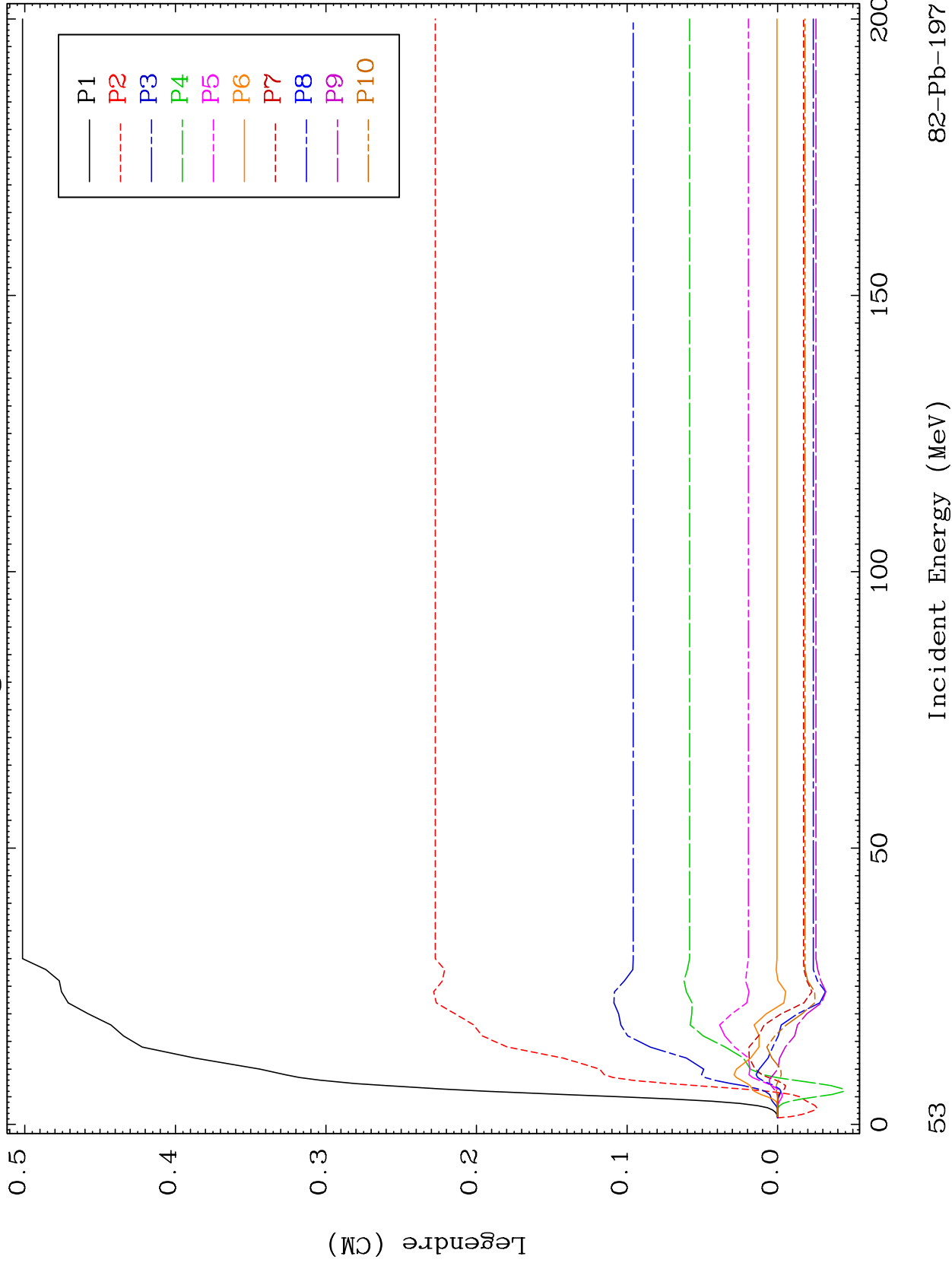
82-Pb-197

MAT 8204

MT= 59 (n,n') Level

82-Pb-197

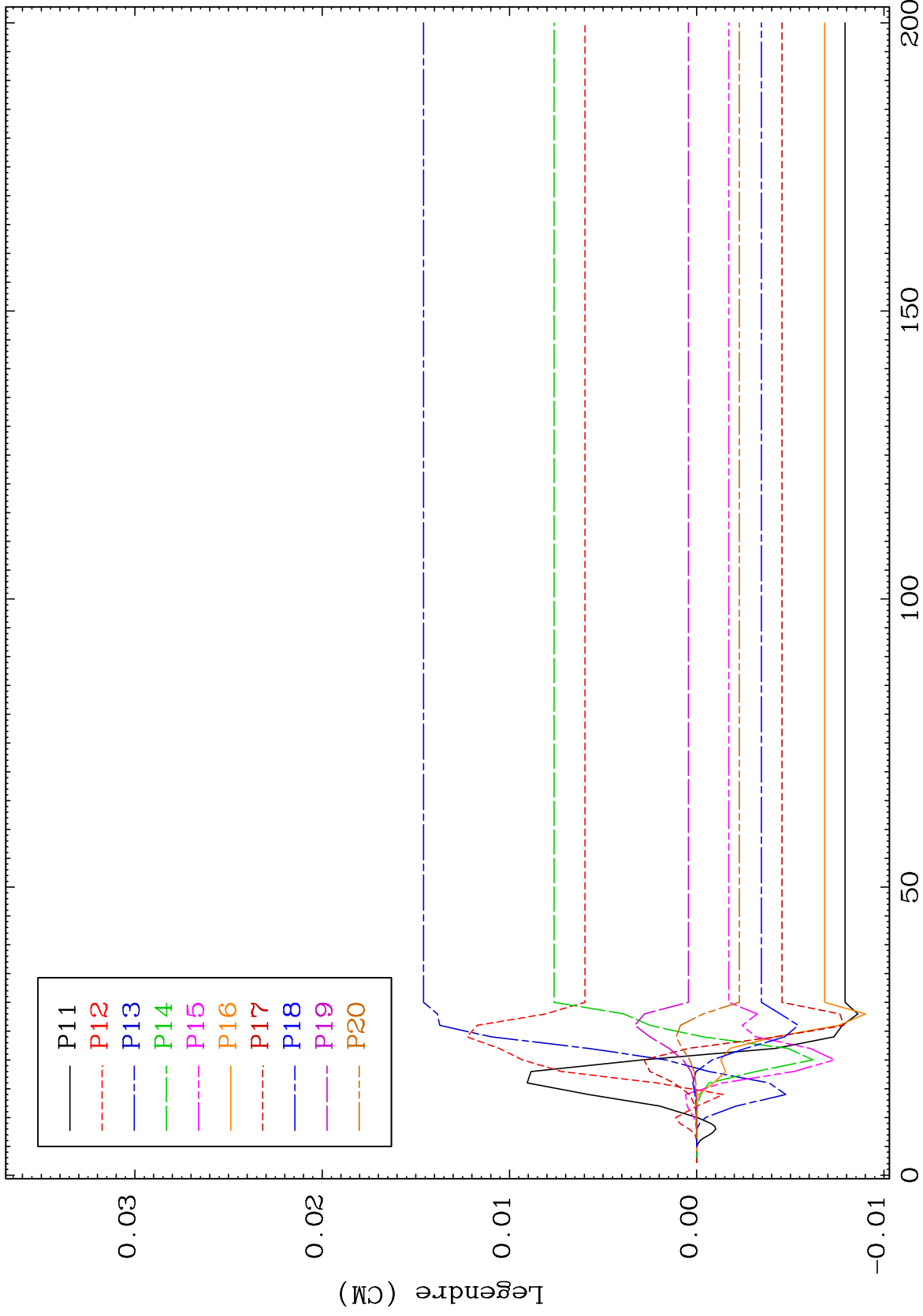
Legendre Coefficients



MAT 8204

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

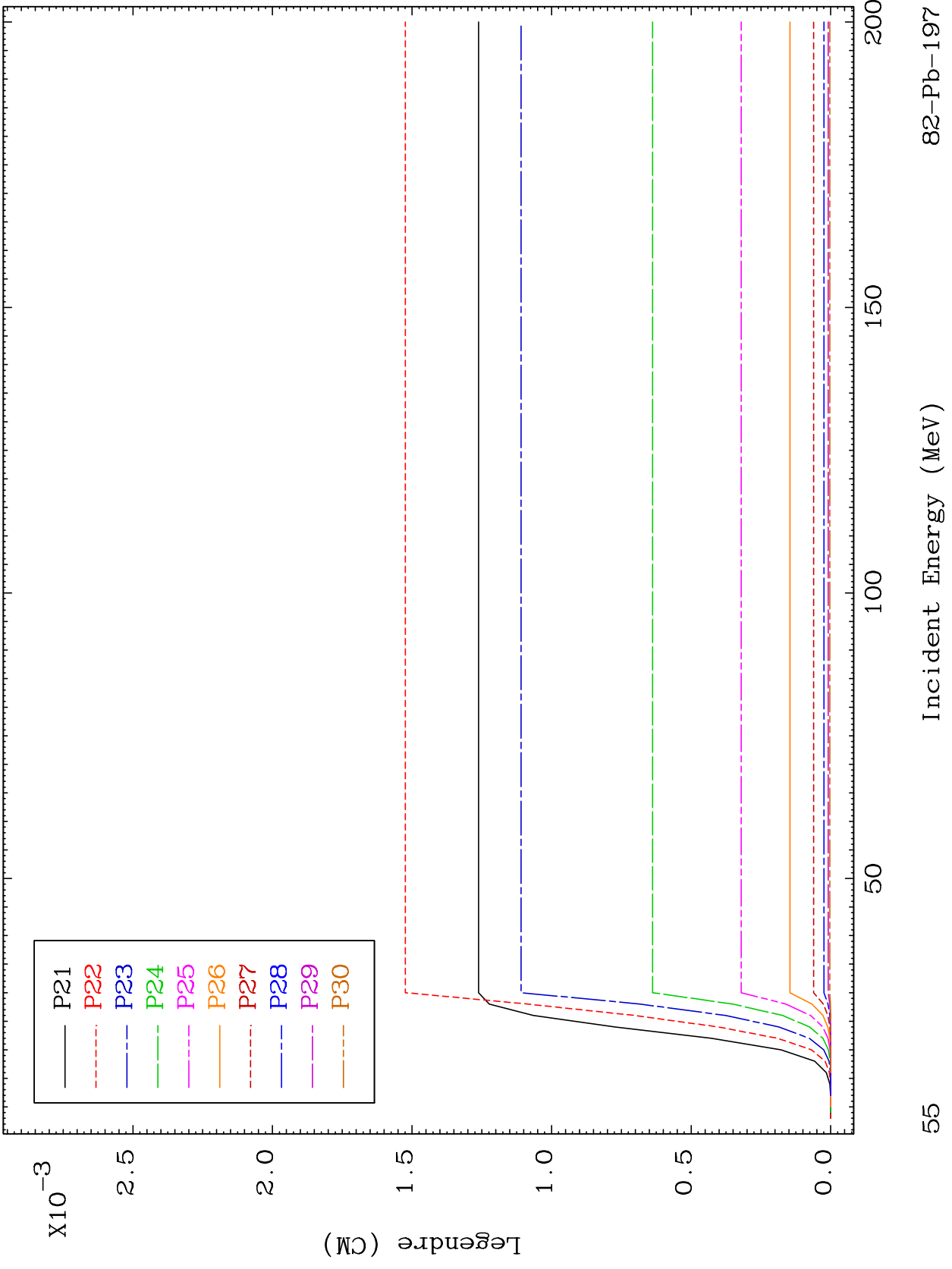
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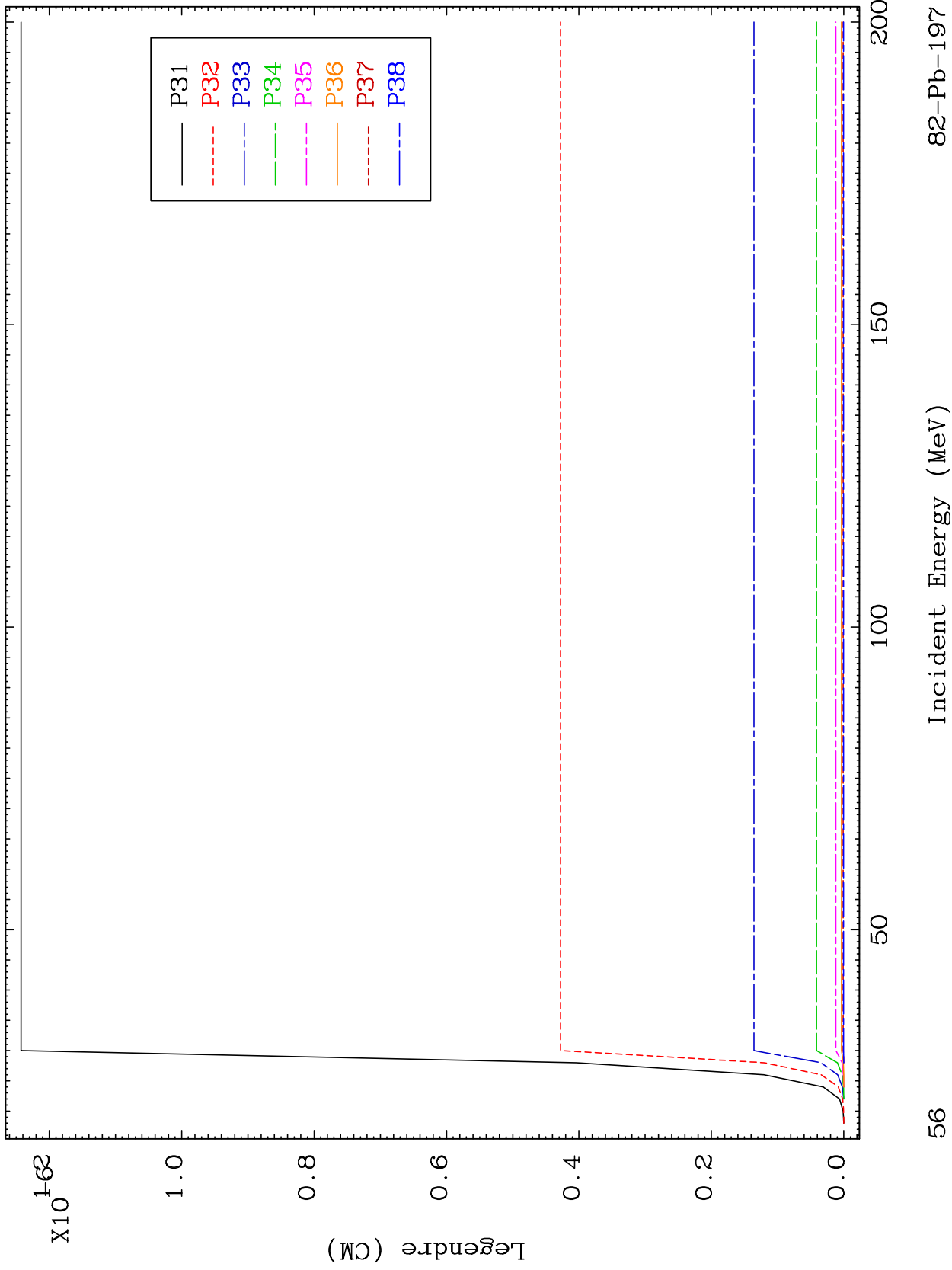


54

Incident Energy (MeV)

82-Pb-197

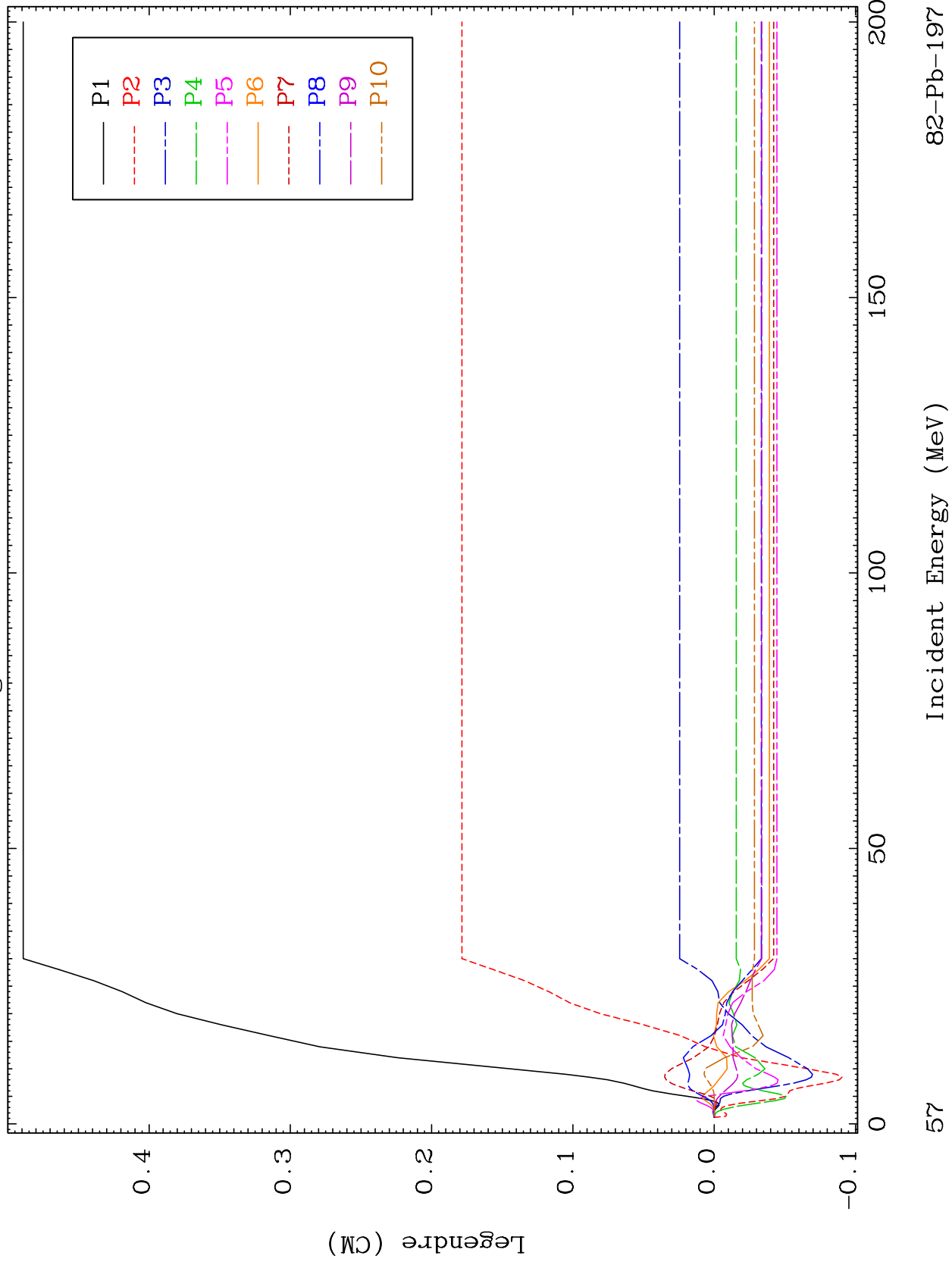




MAT 8204

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

82-Pb-197



82-Pb-197

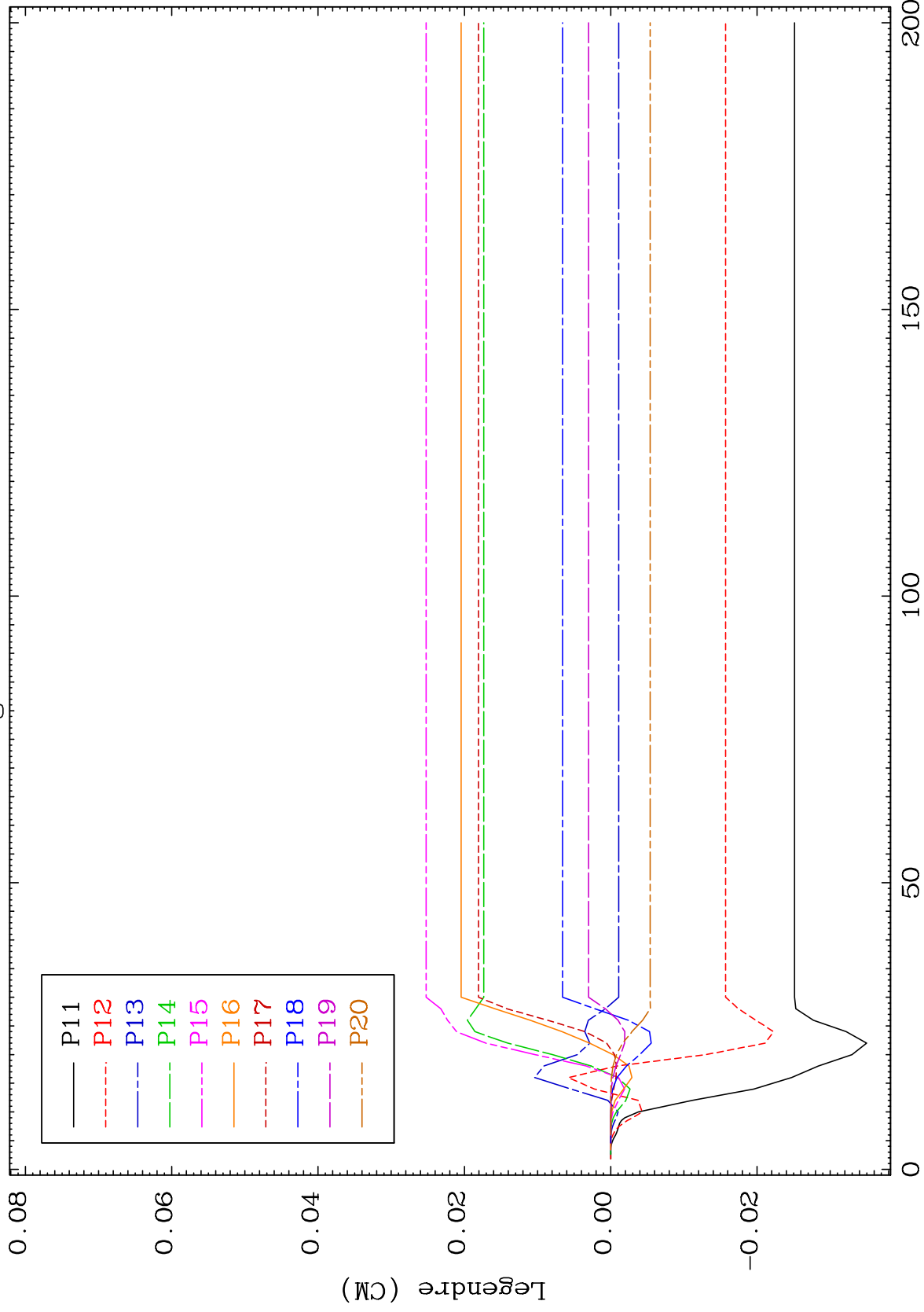
Incident Energy (MeV)

57

MAT 8204

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

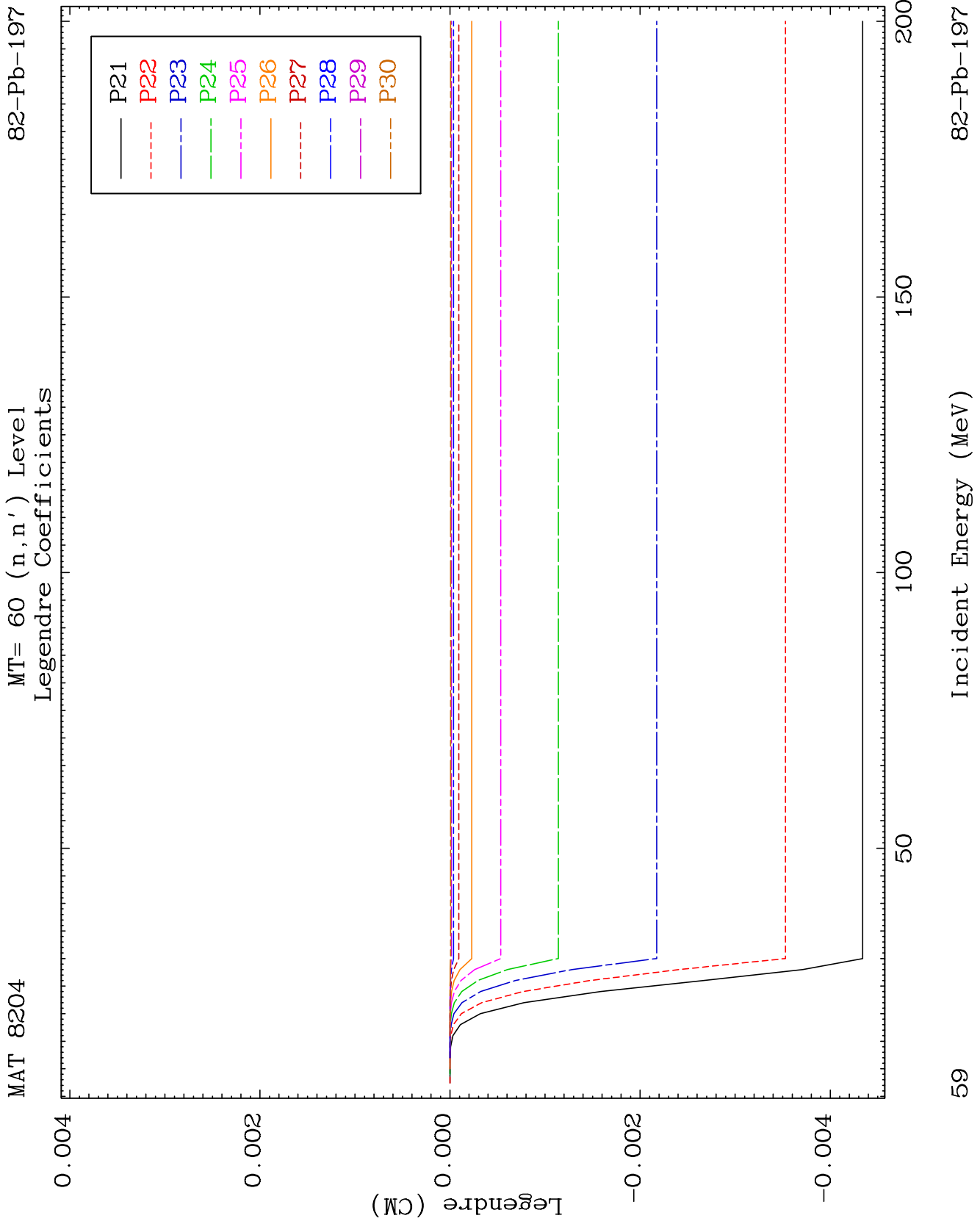
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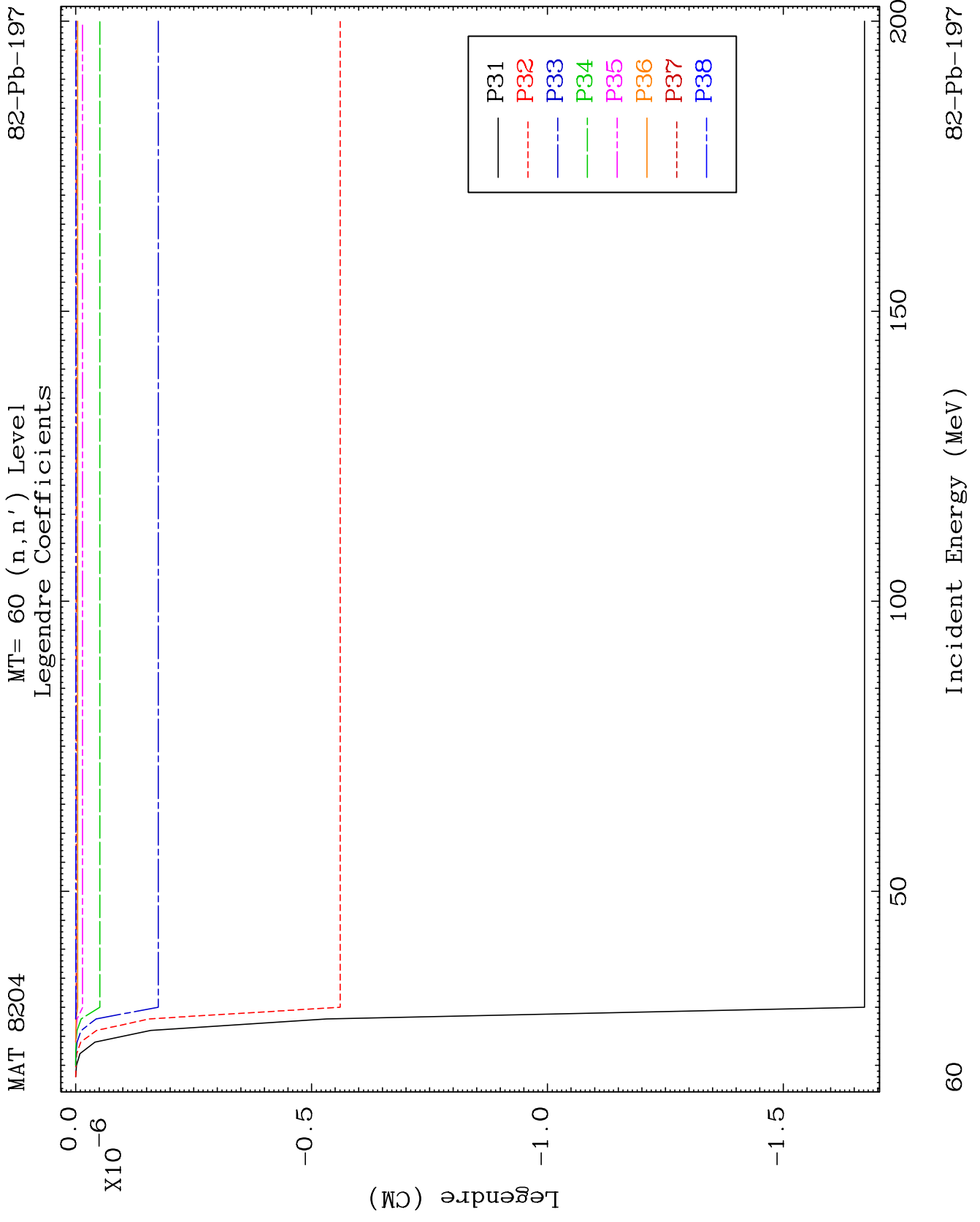


58

Incident Energy (MeV)

82-Pb-197

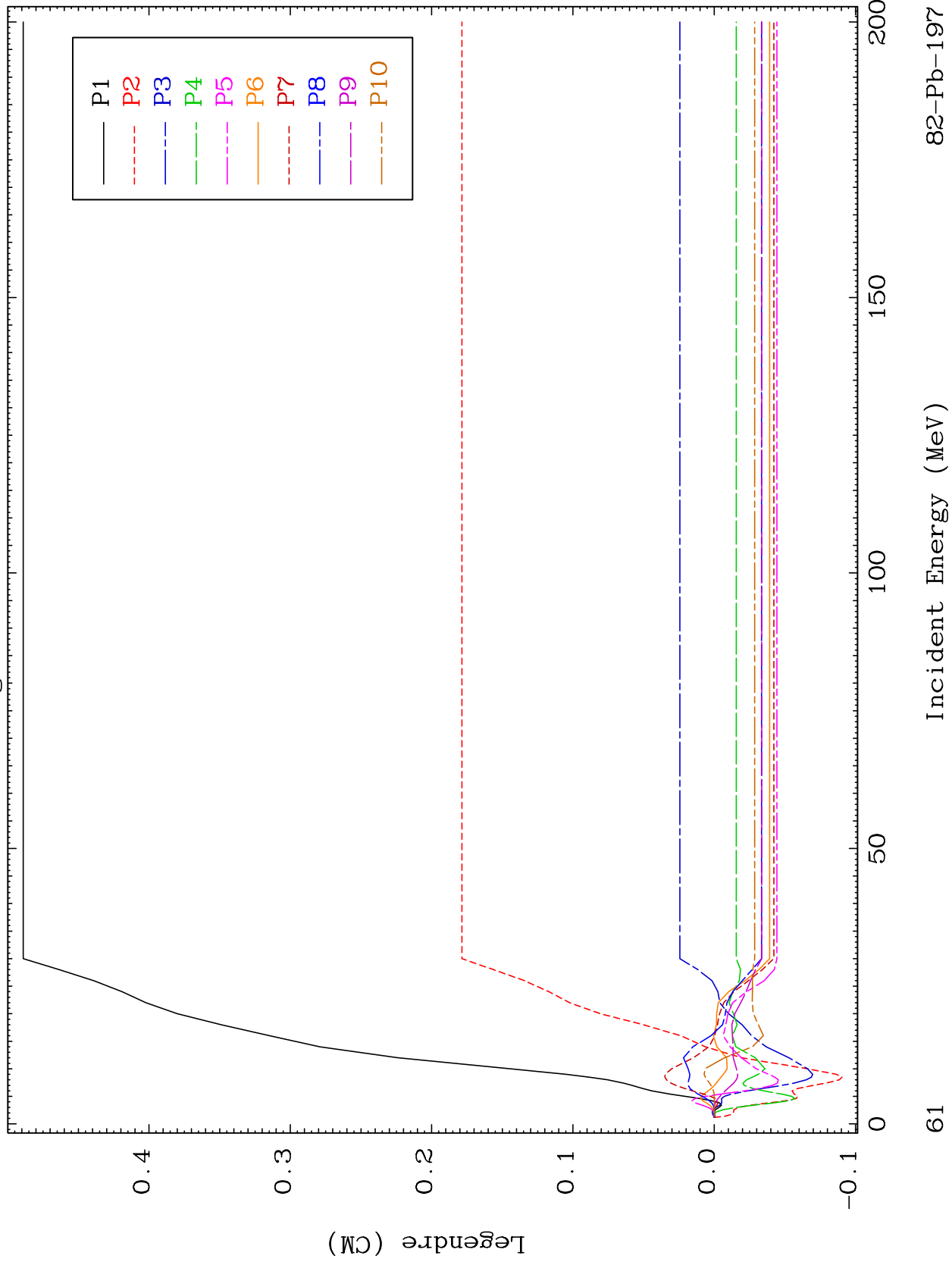




MAT 8204

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

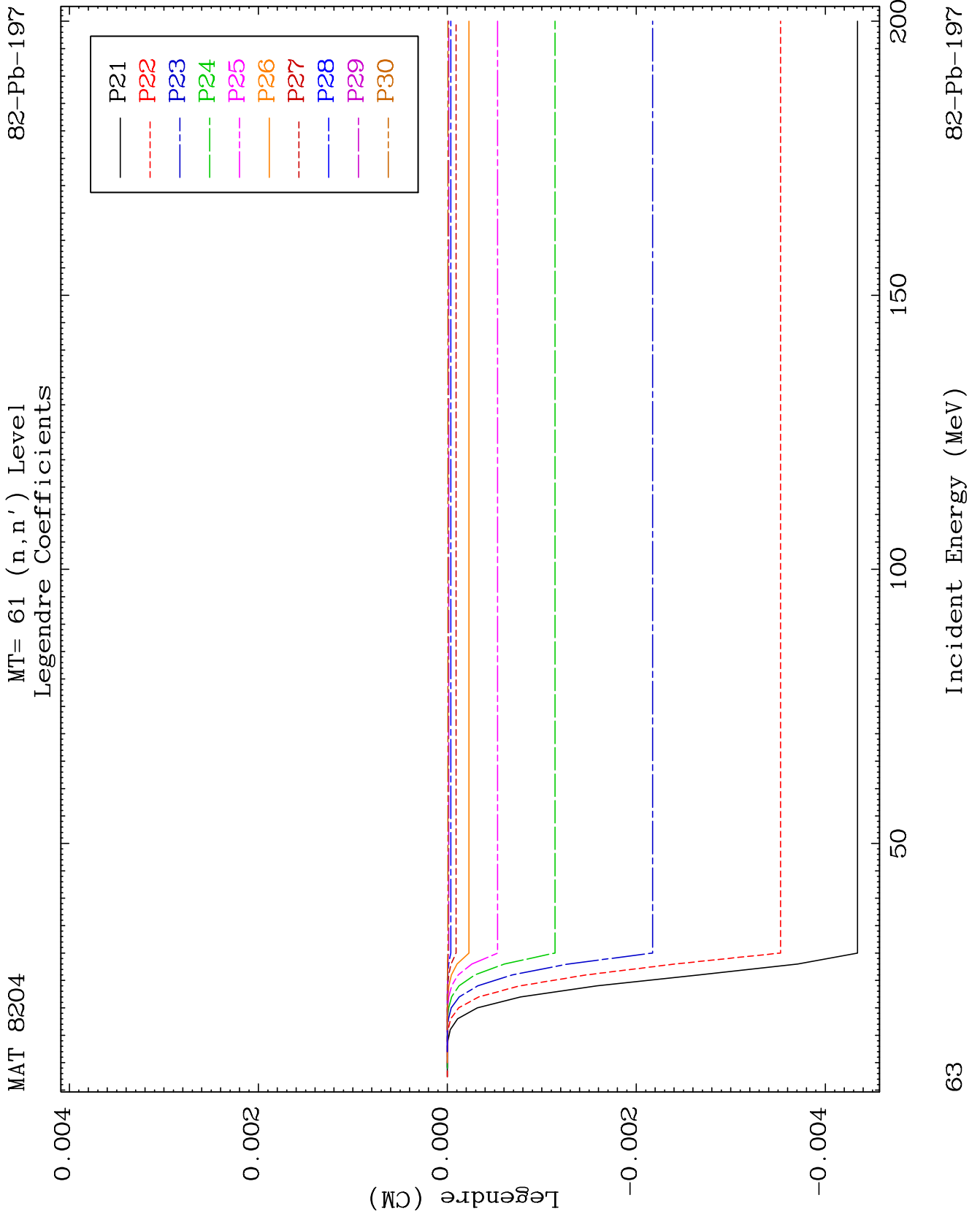
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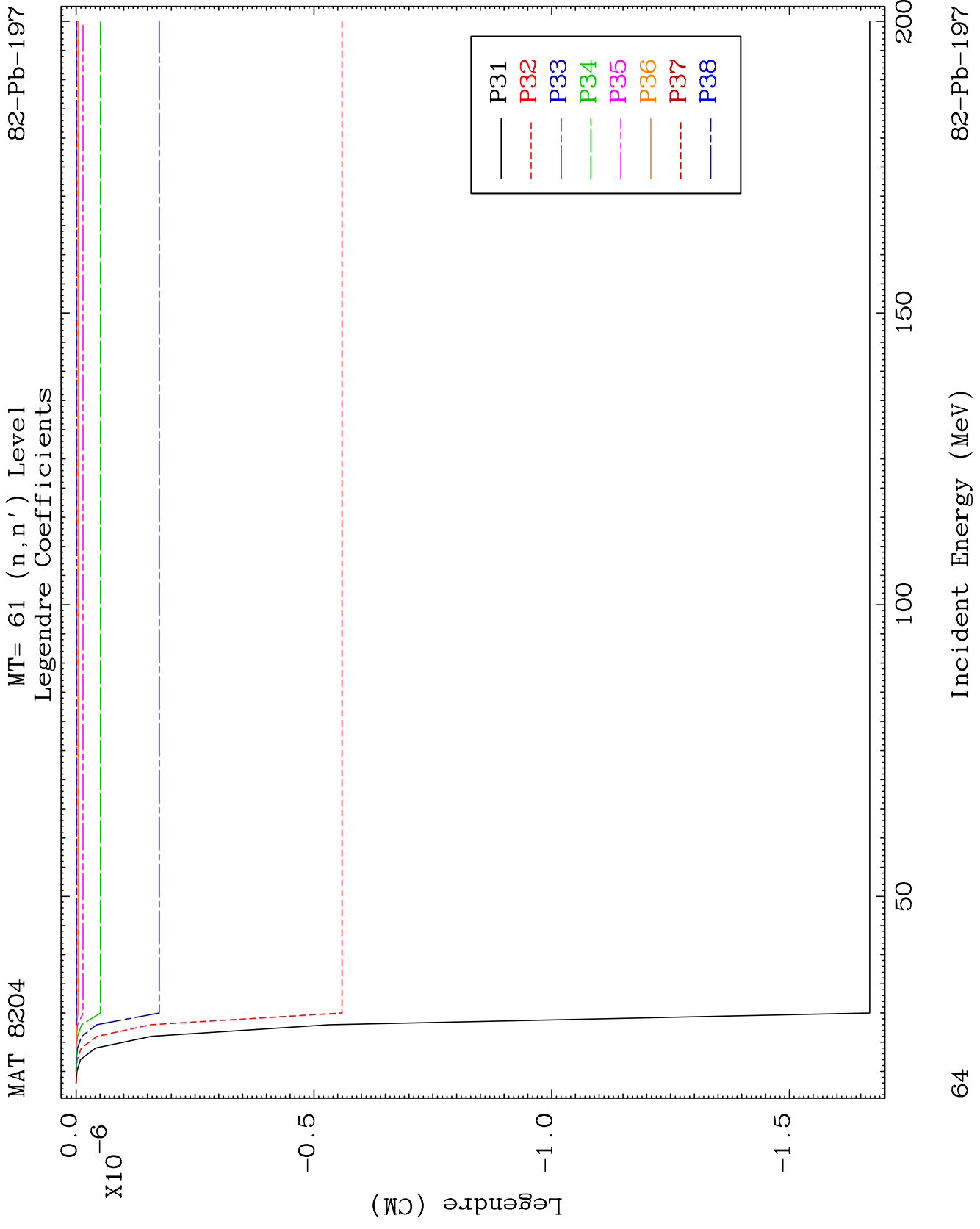


82-Pb-197

Incident Energy (MeV)

61

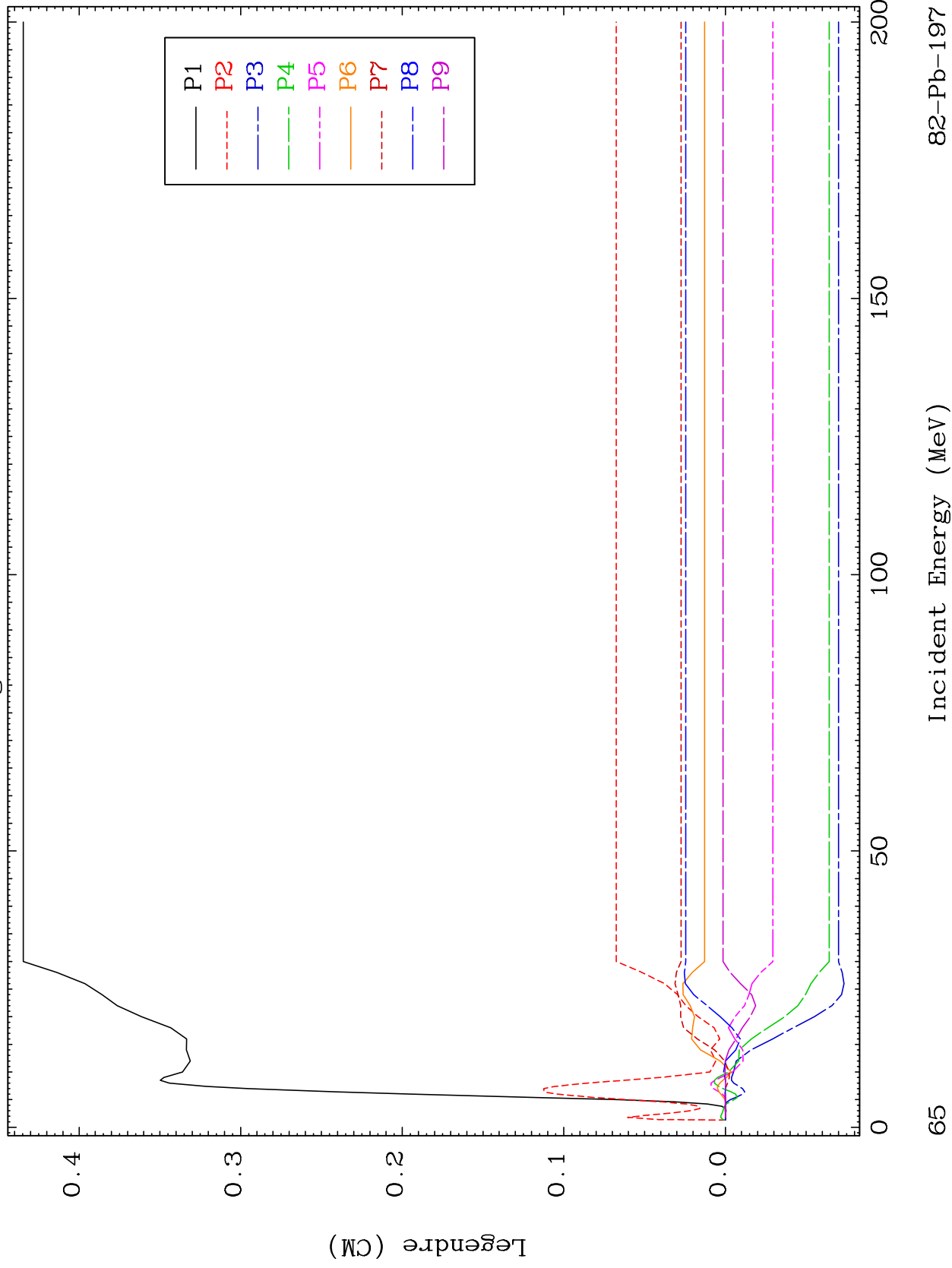




MAT 8204

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

82-Pb-197



82-Pb-197

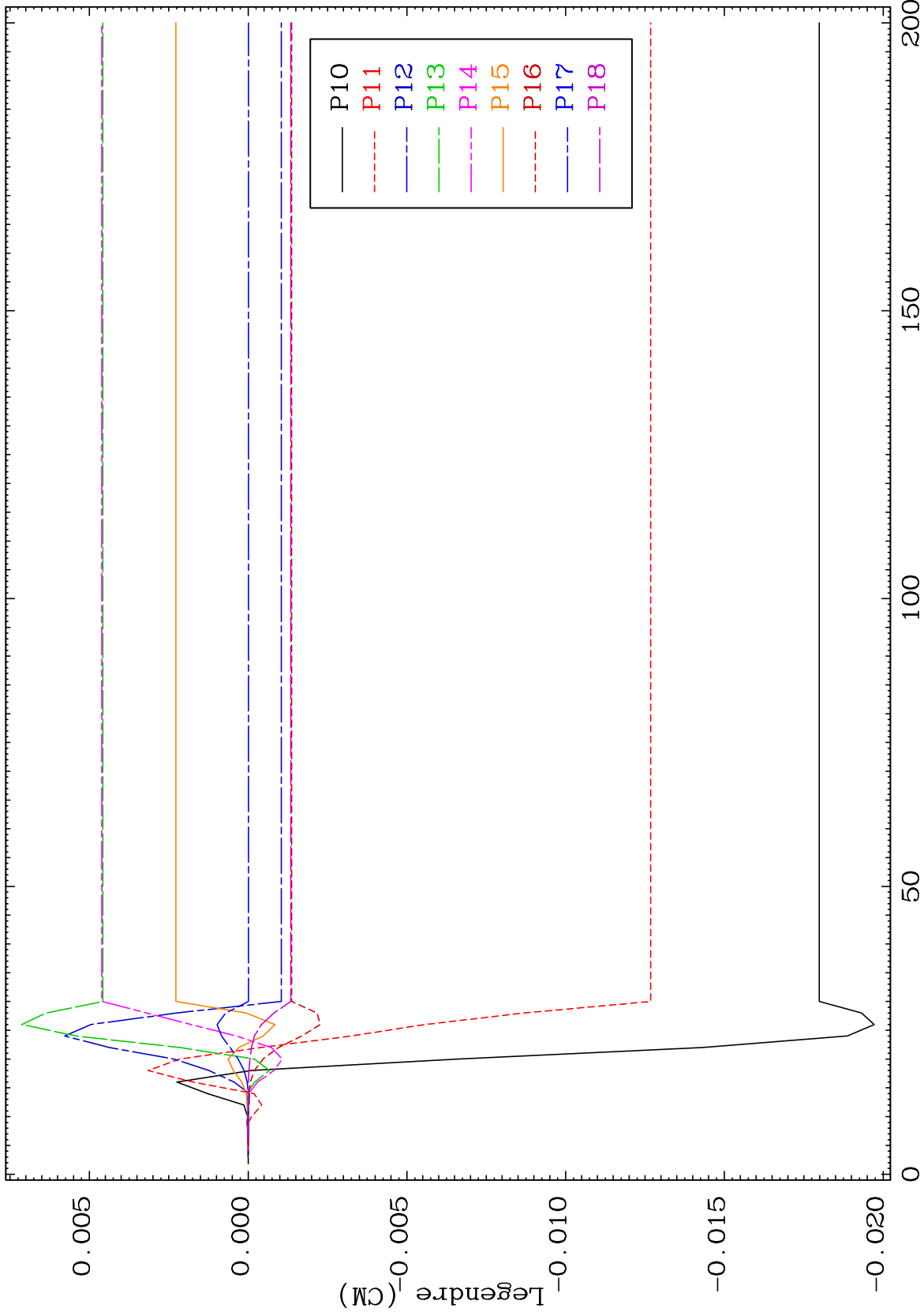
Incident Energy (MeV)

65

MAT 8204

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

82-Pb-197



66

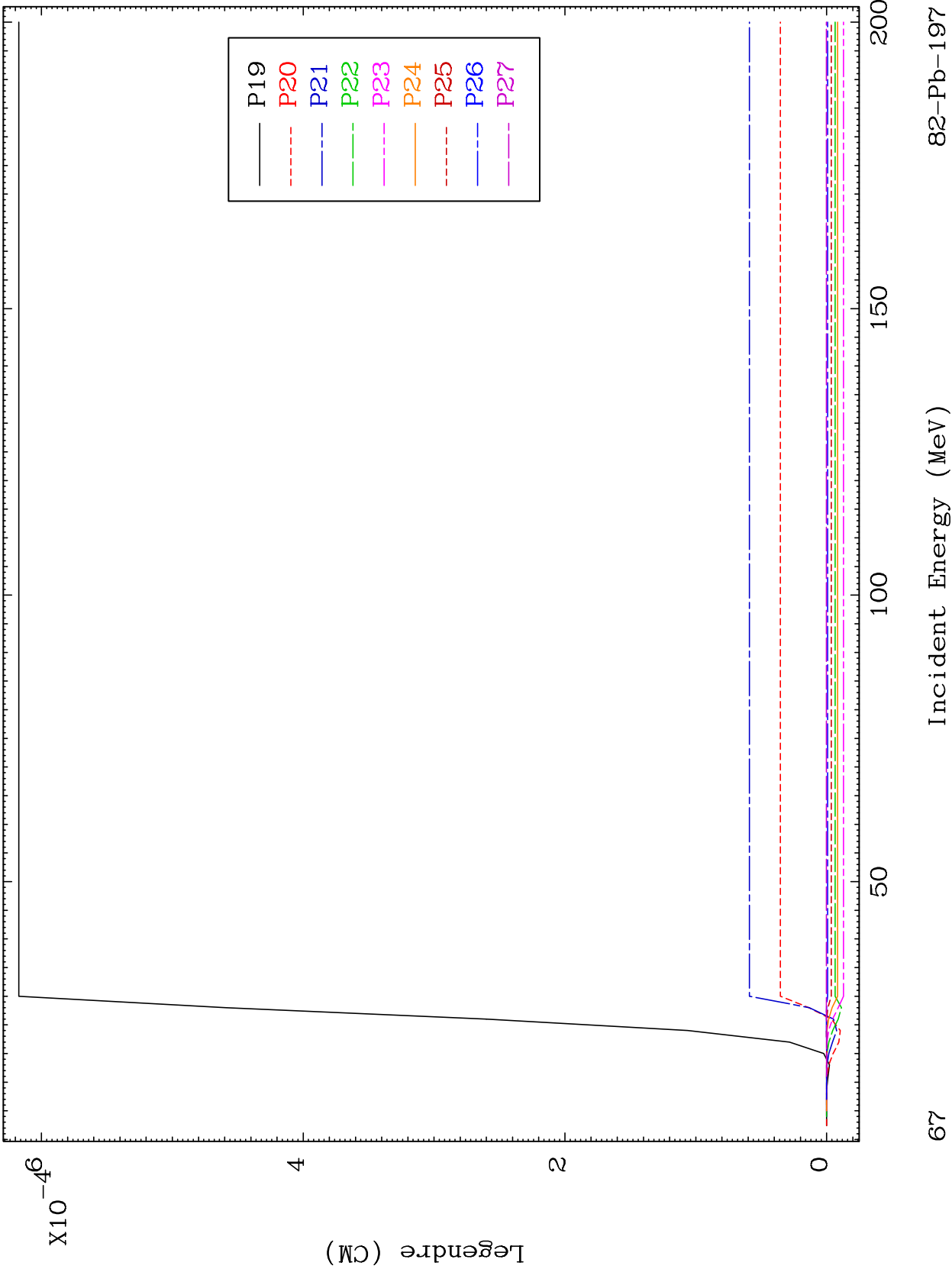
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

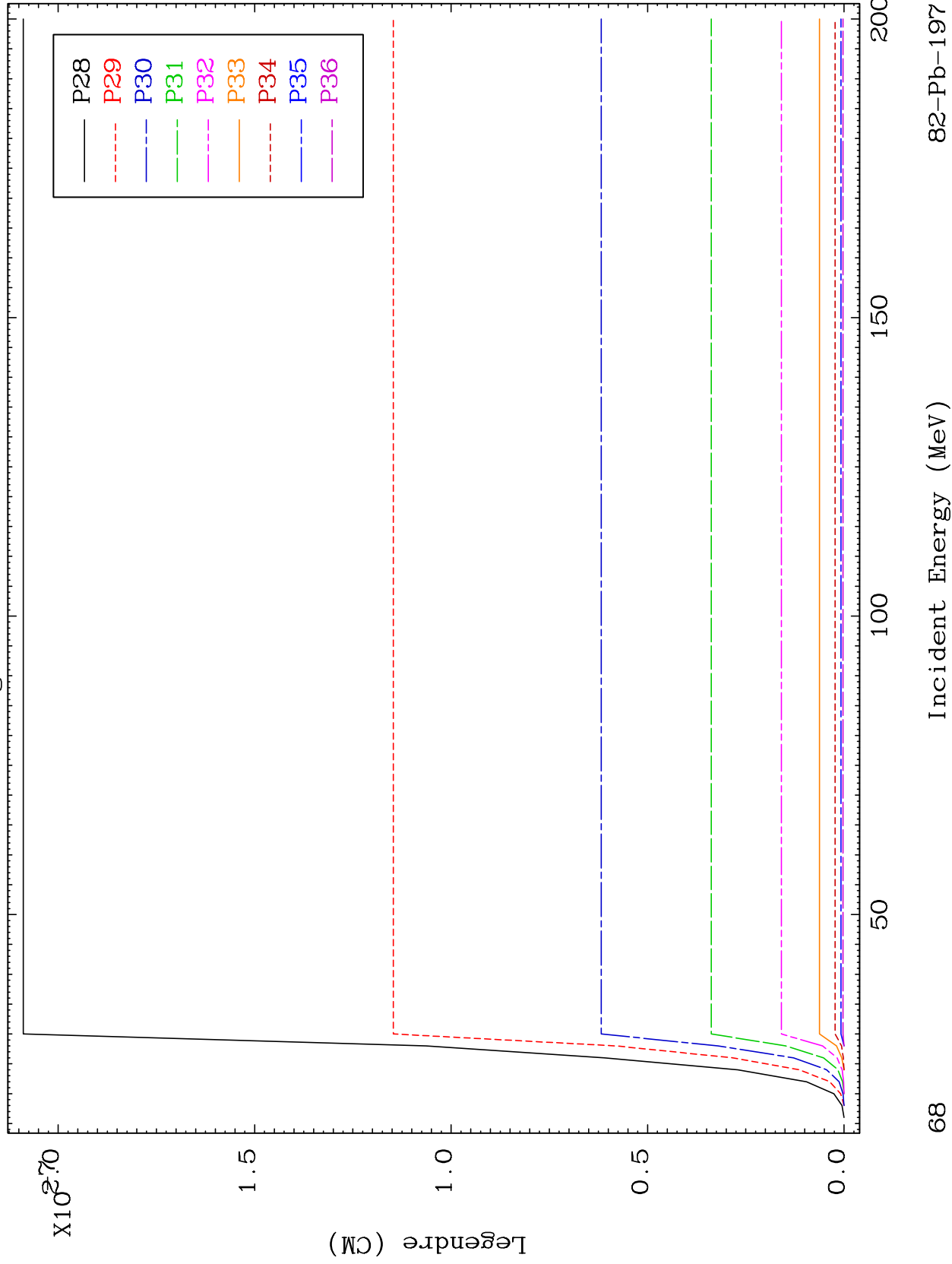
82-Pb-197



MAT 8204

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

82-Pb-197



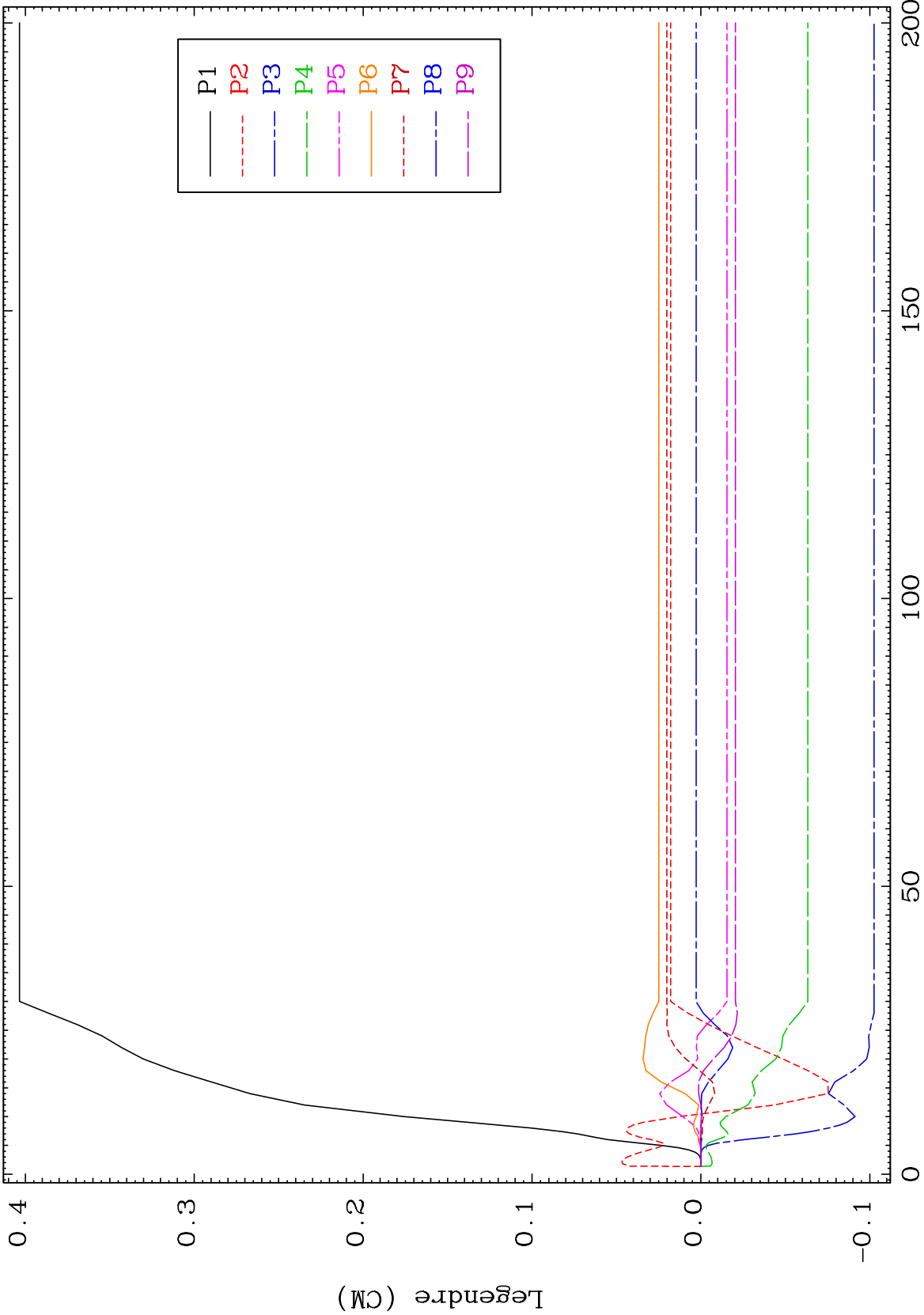
68

82-Pb-197

MAT 8204

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

82-Pb-197



69

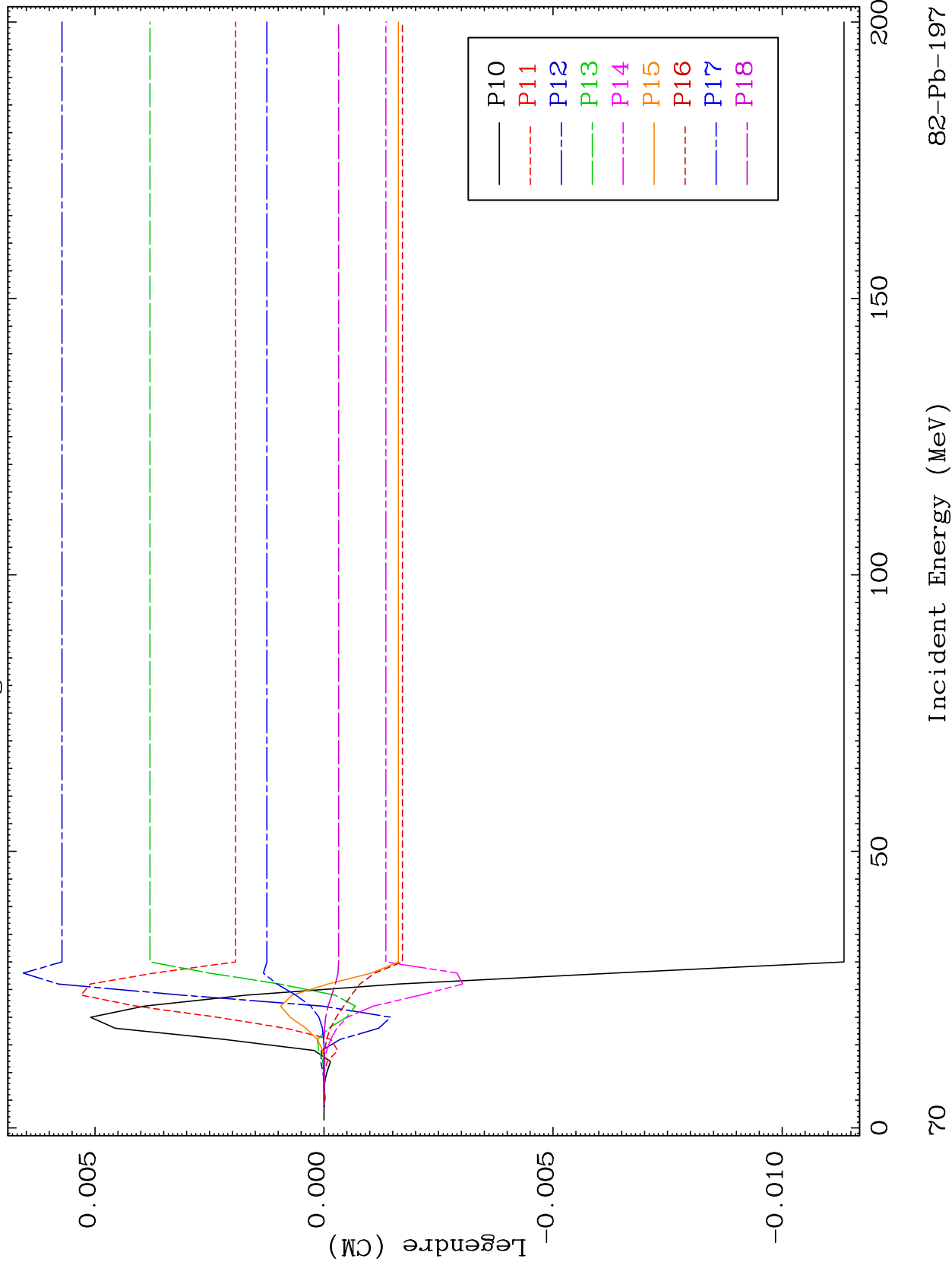
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

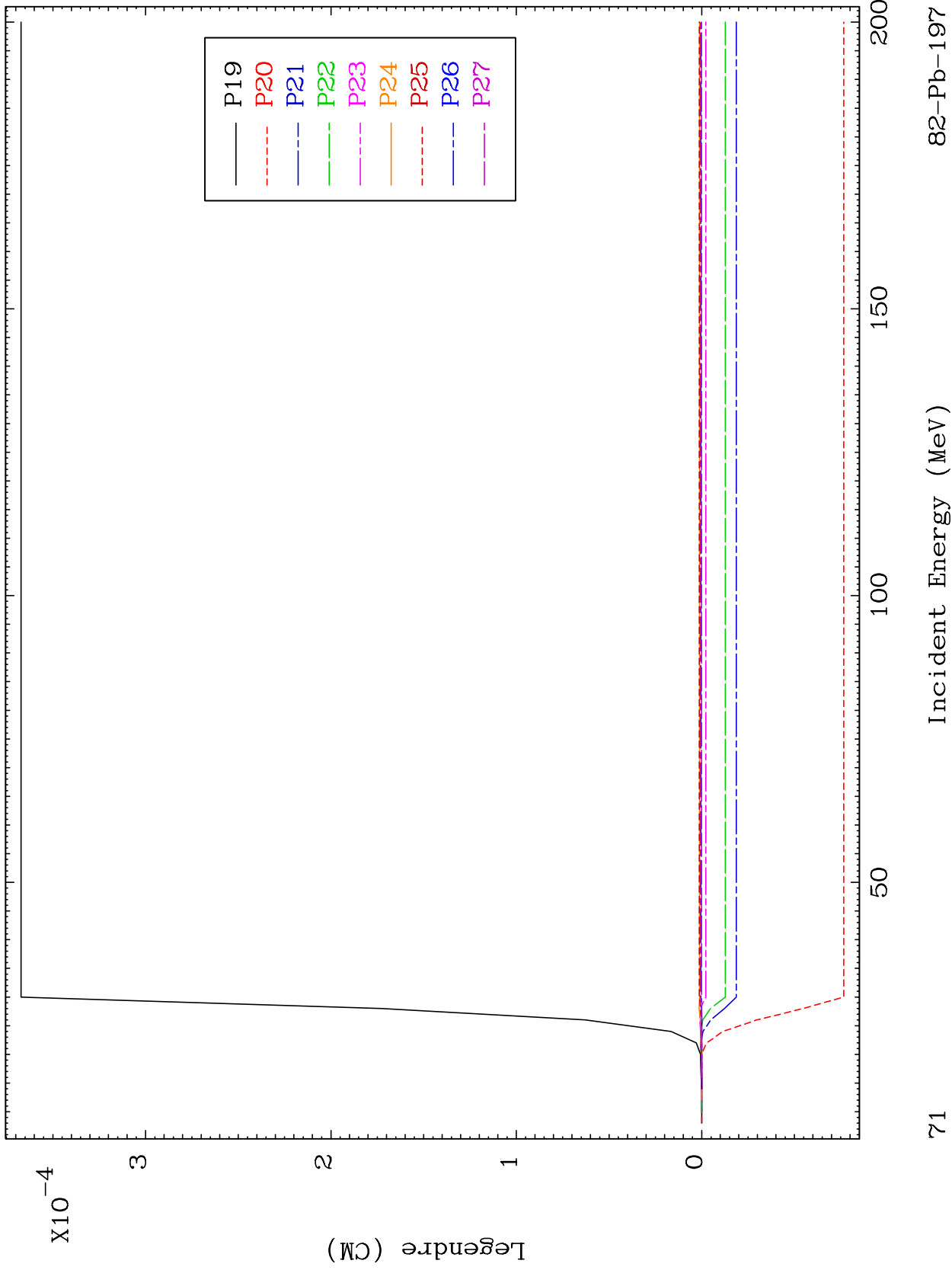
82-Pb-197



MAT 8204

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

82-Pb-197



71

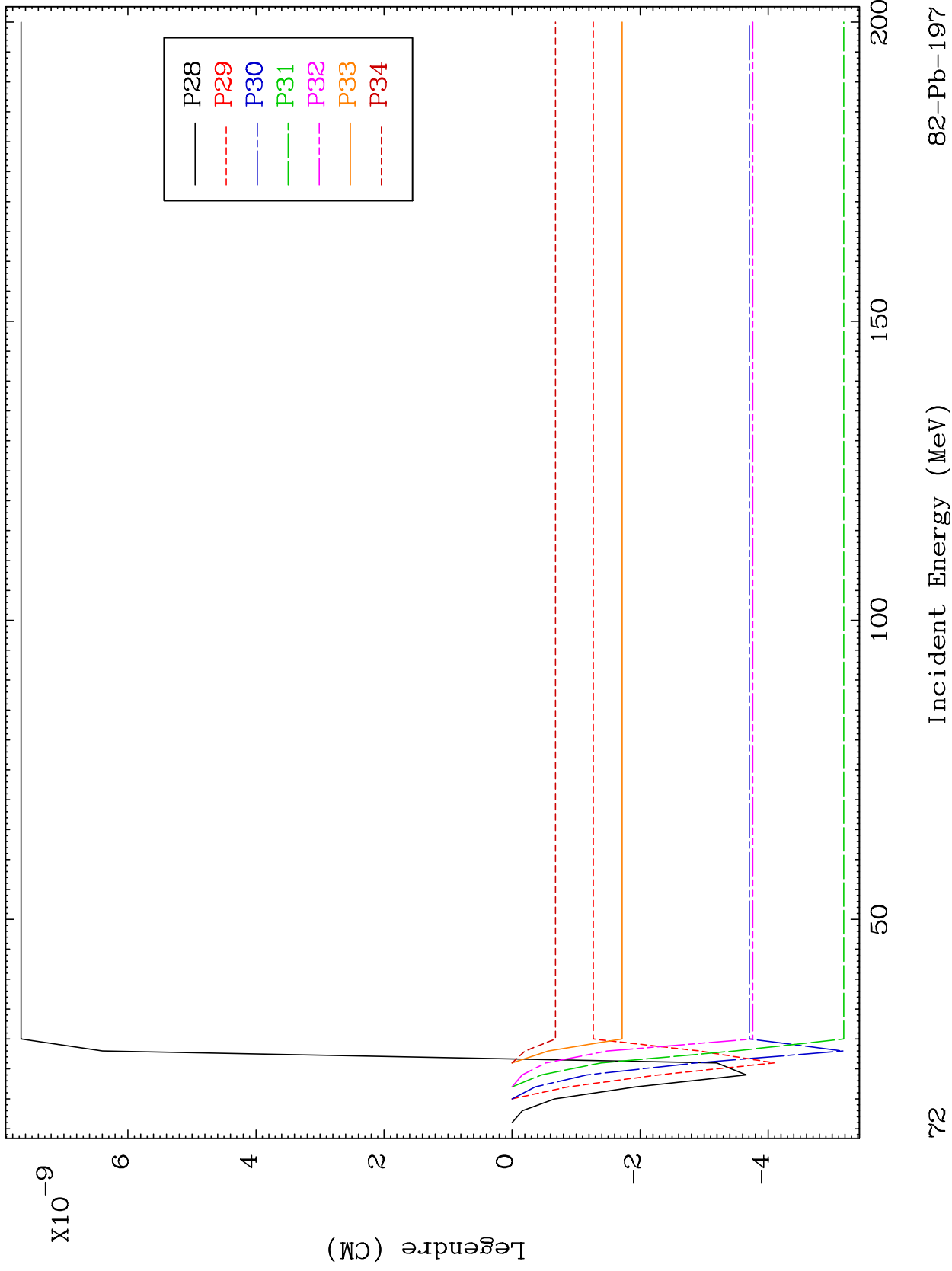
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



72

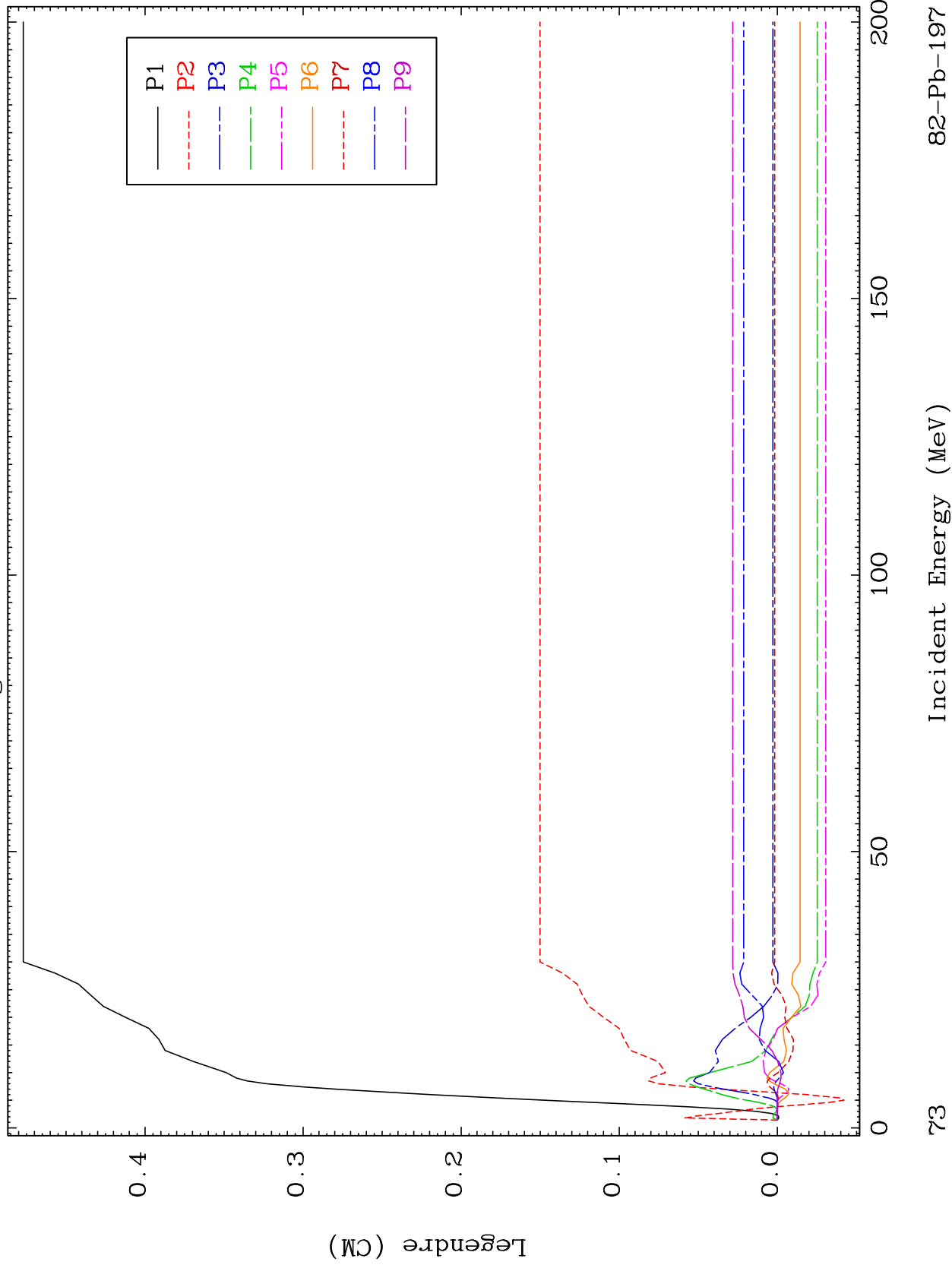
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



82-Pb-197

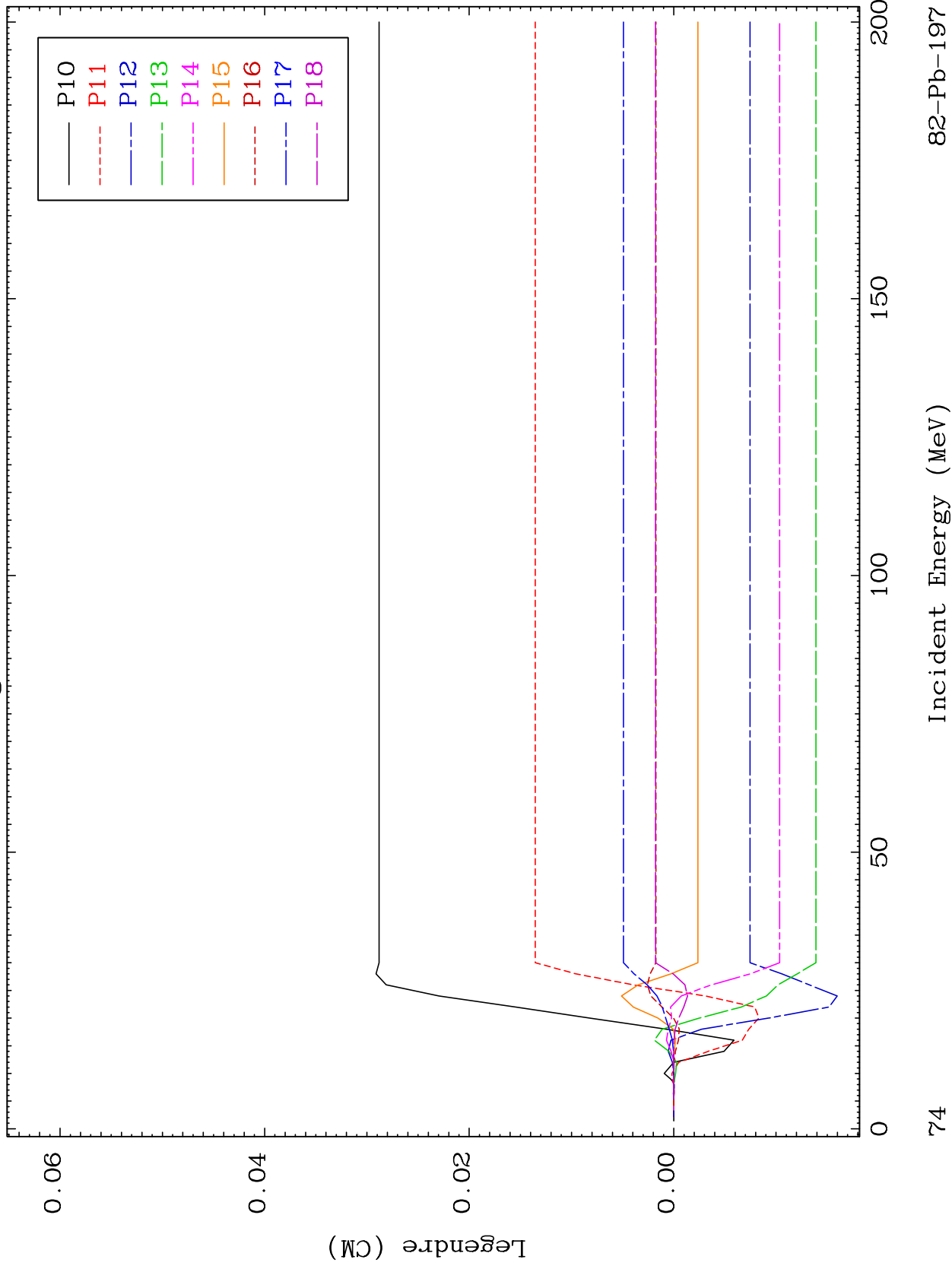
Incident Energy (MeV)

73

MAT 8204

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

82-Pb-197



74

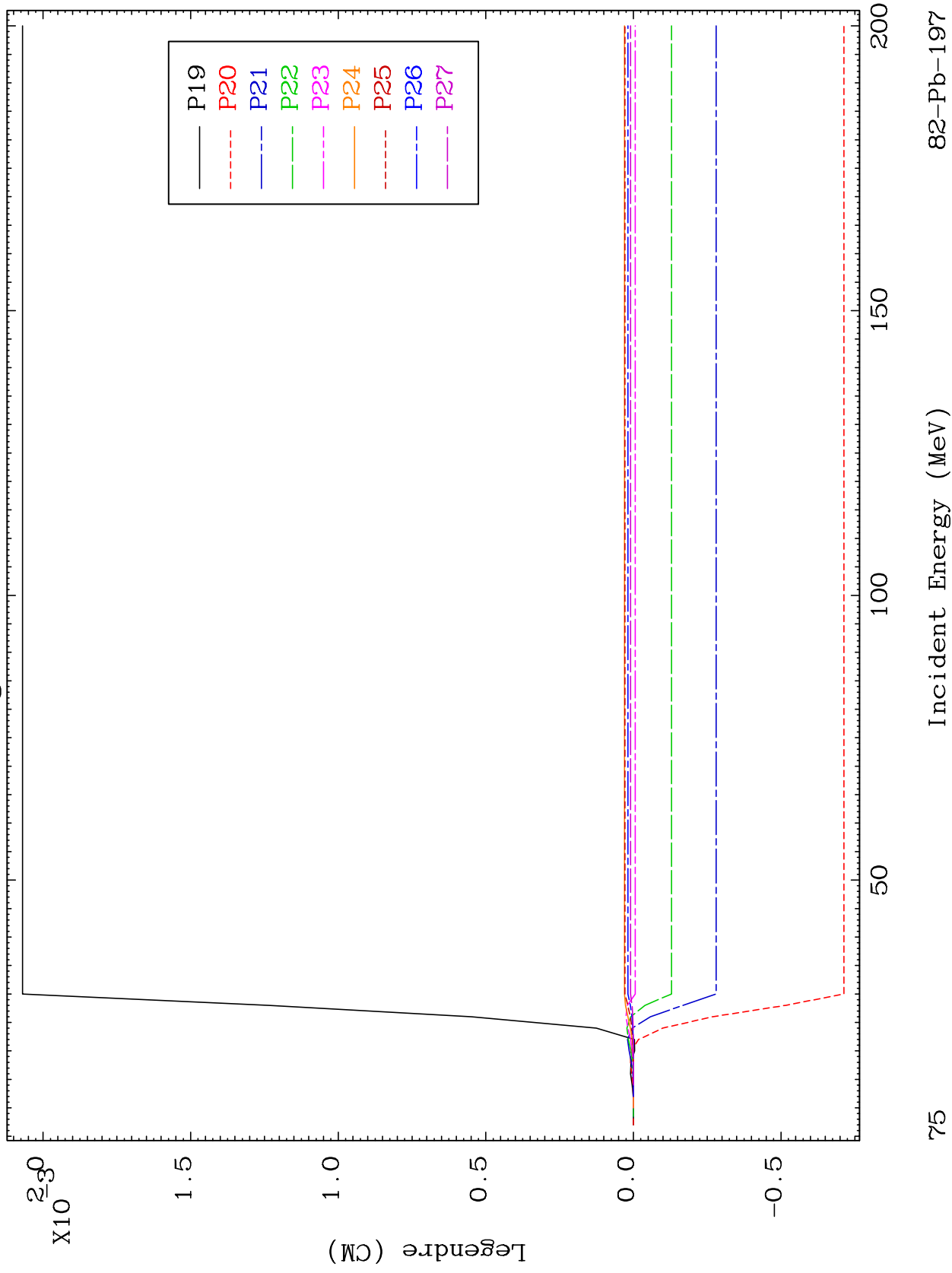
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

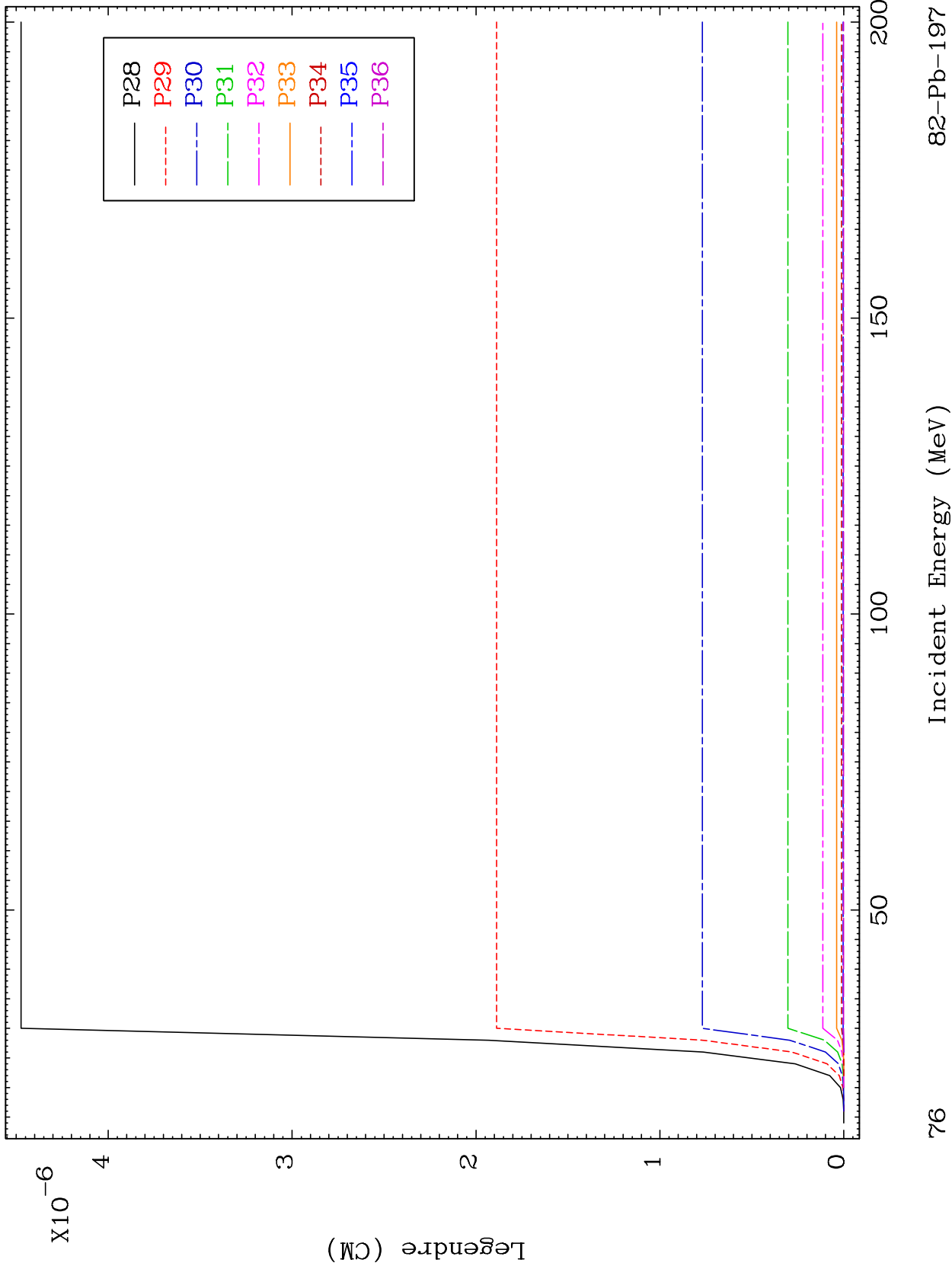
82-Pb-197



MAT 8204

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

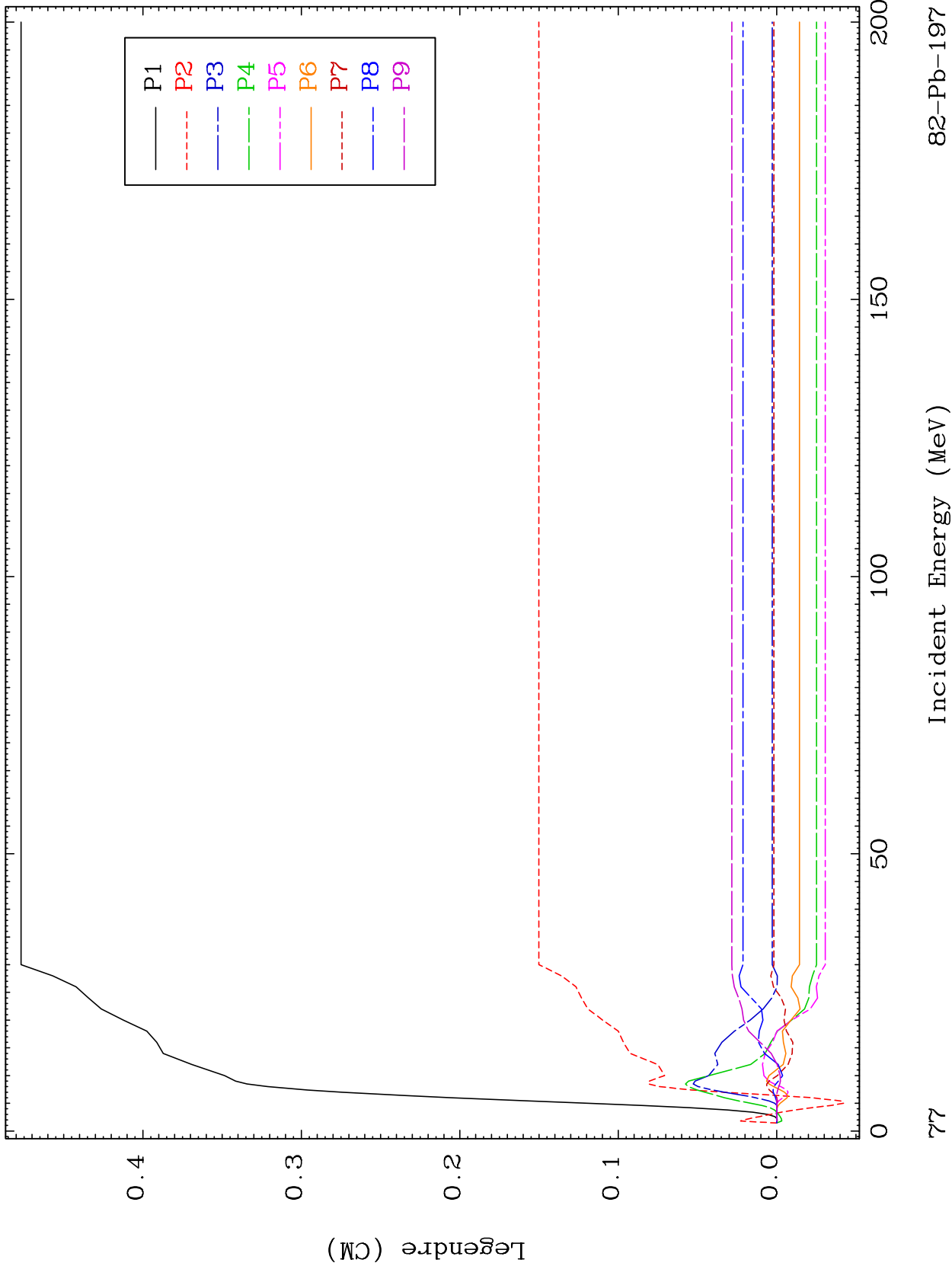
82-Pb-197



MAT 8204

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

82-Pb-197



82-Pb-197

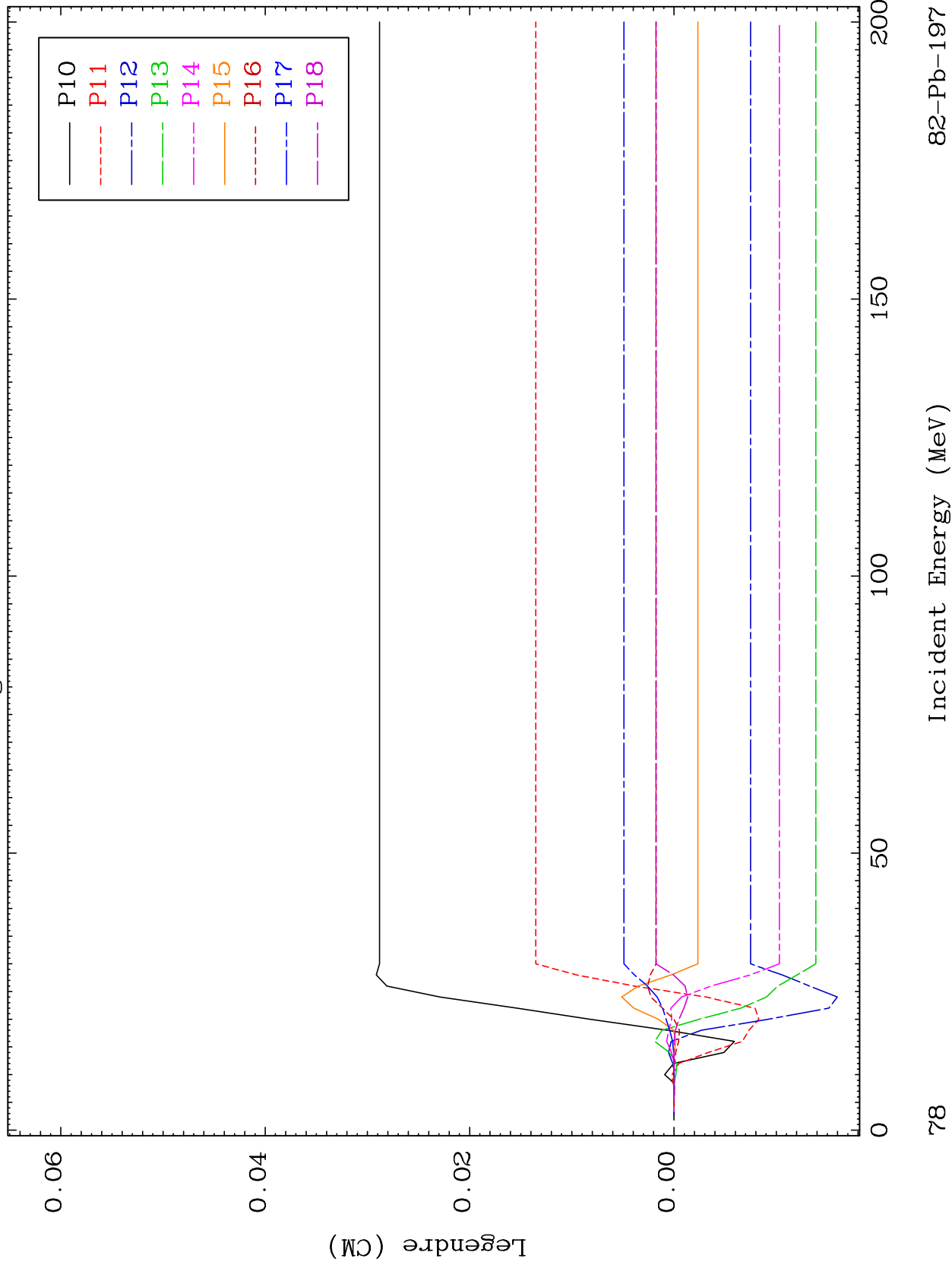
Incident Energy (MeV)

77

MAT 8204

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

82-Pb-197



78

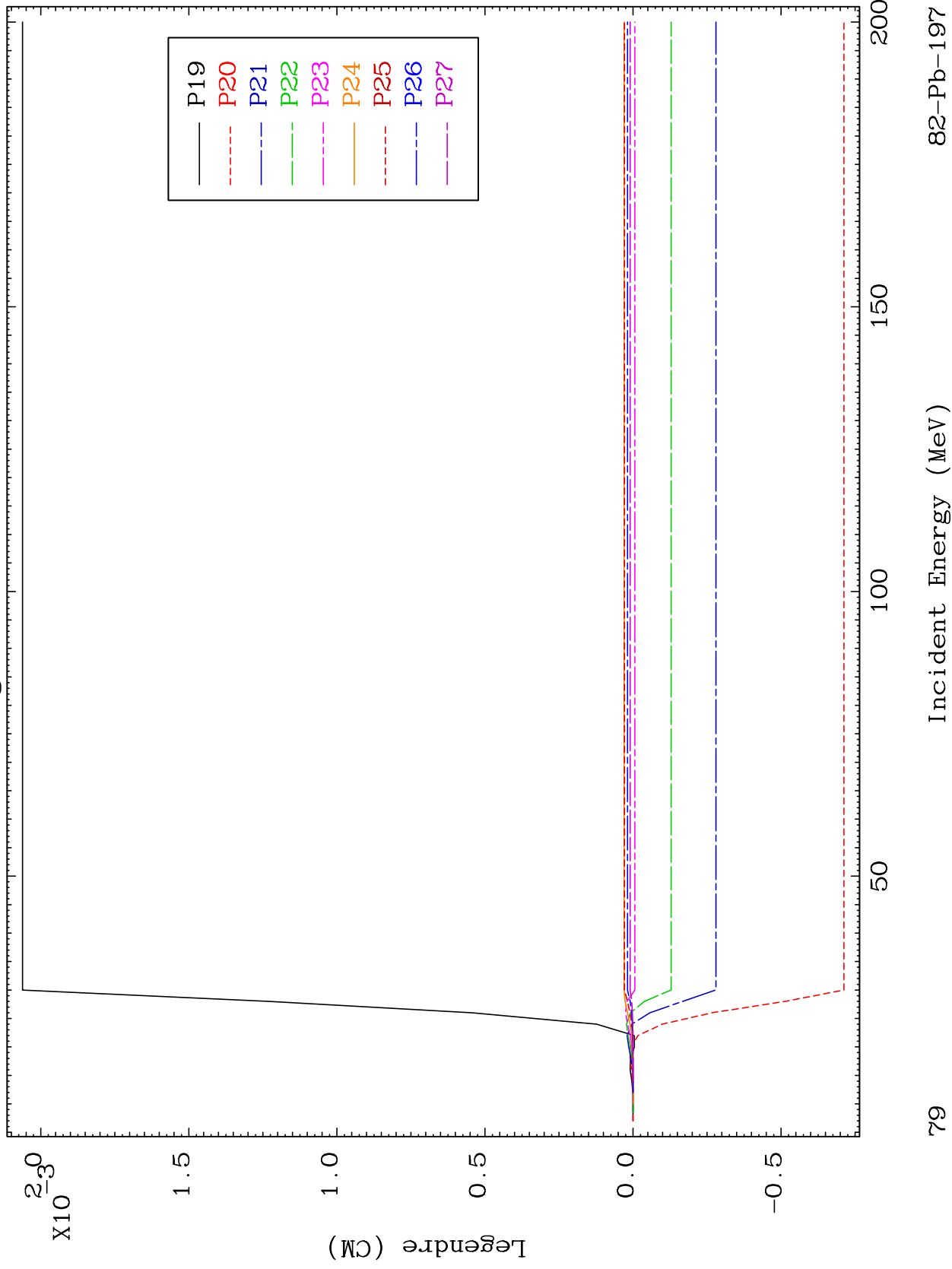
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



79

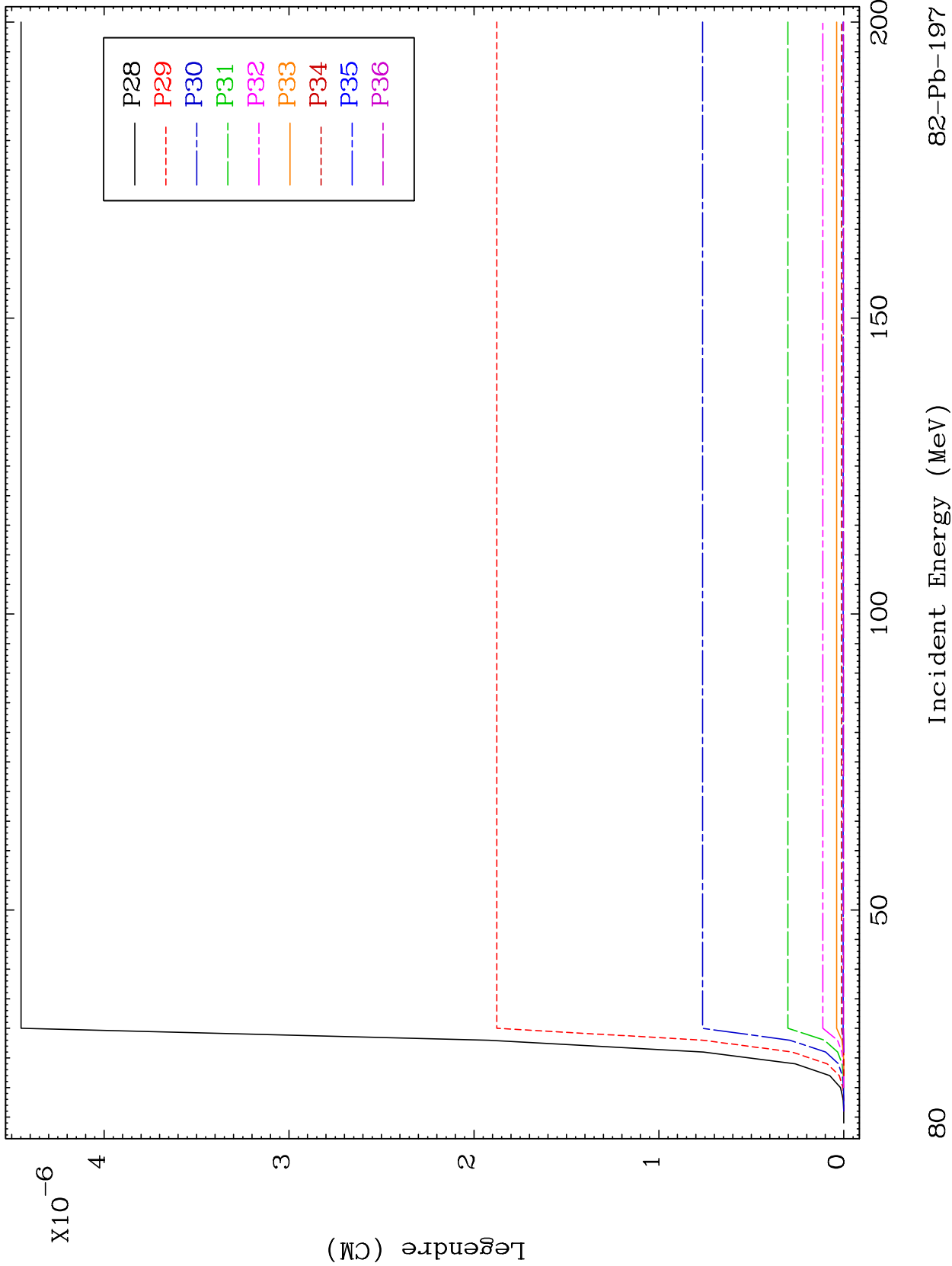
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197

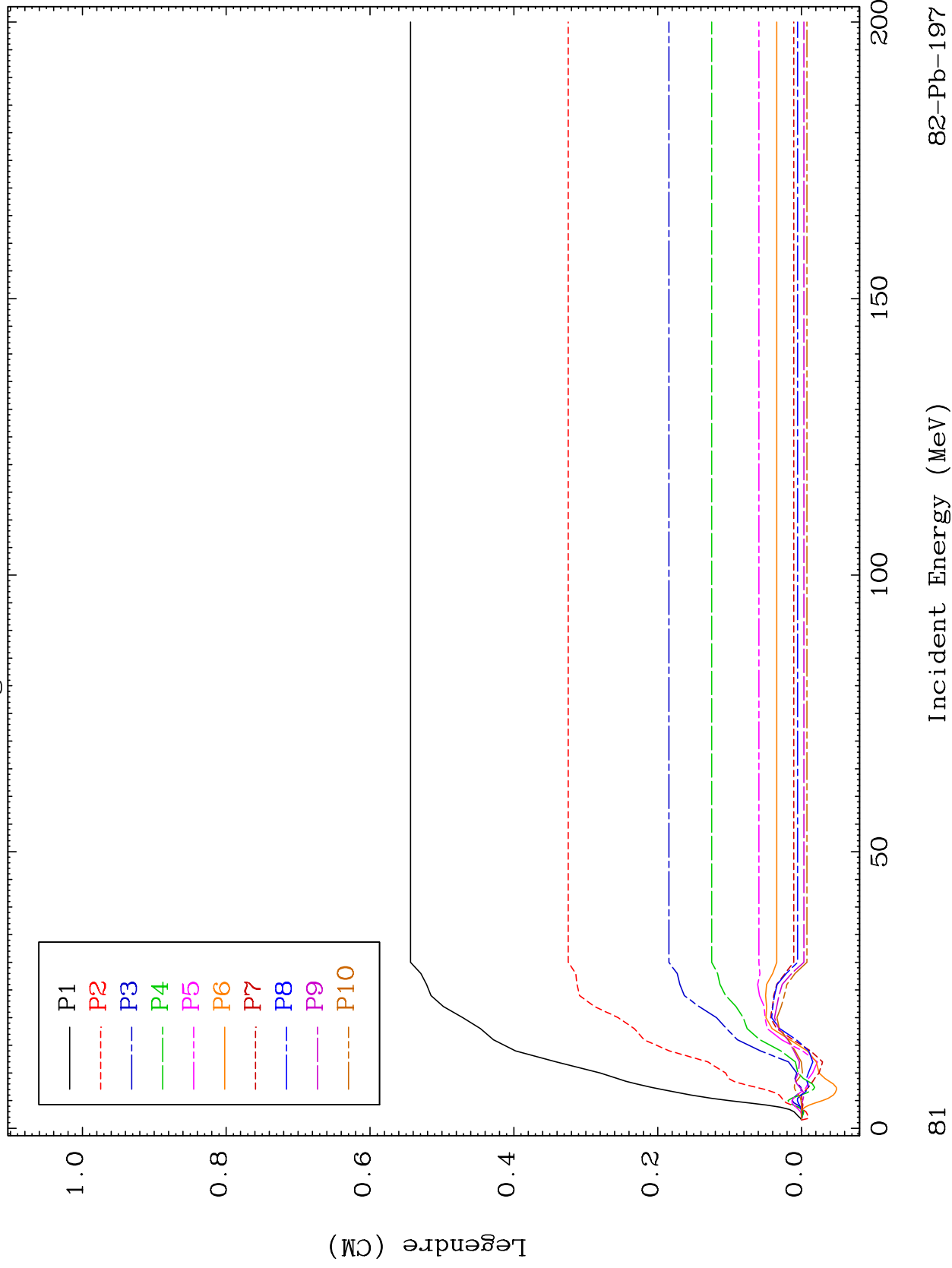


82-Pb-197

MAT 8204

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

82-Pb-197



81

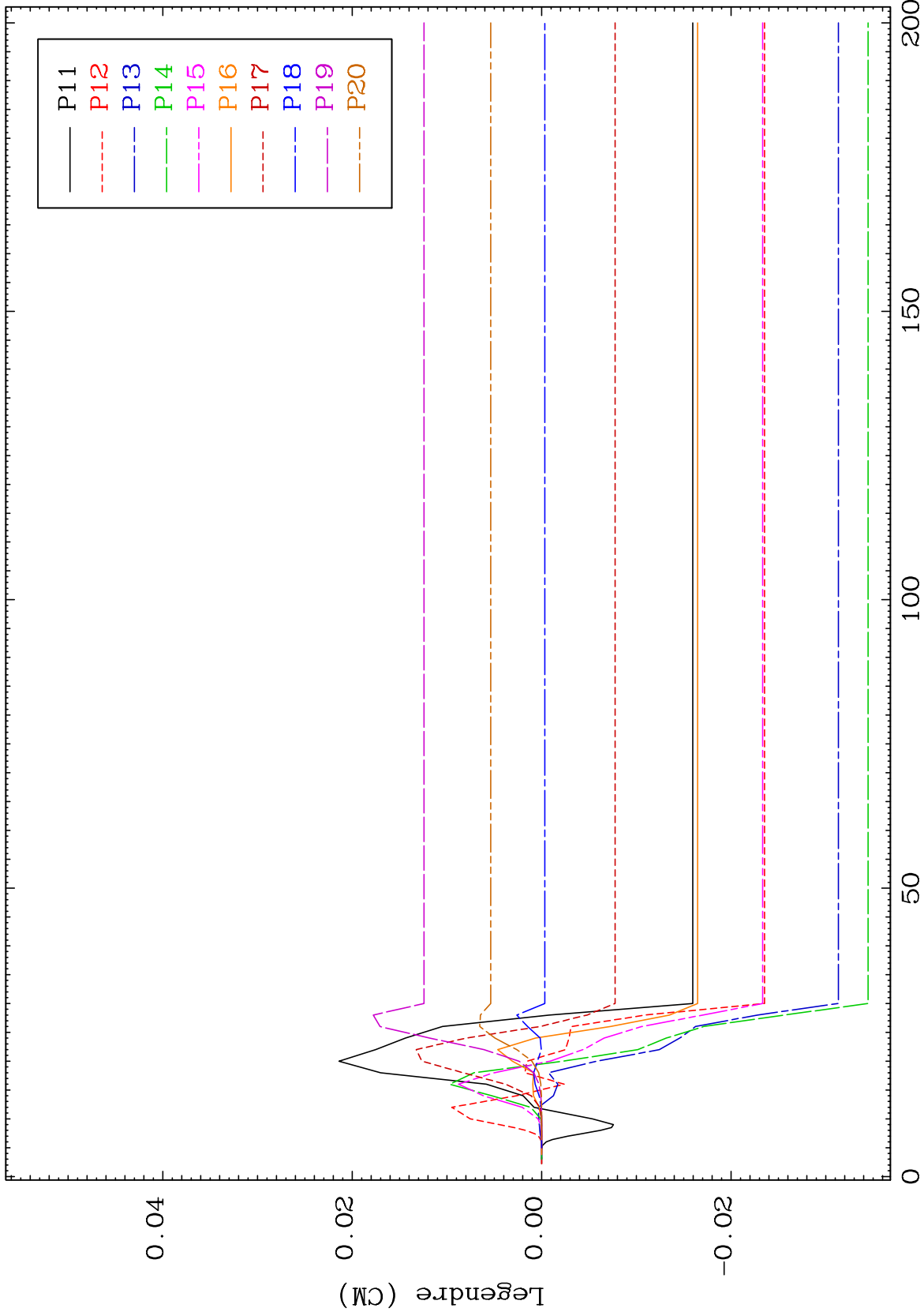
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



82

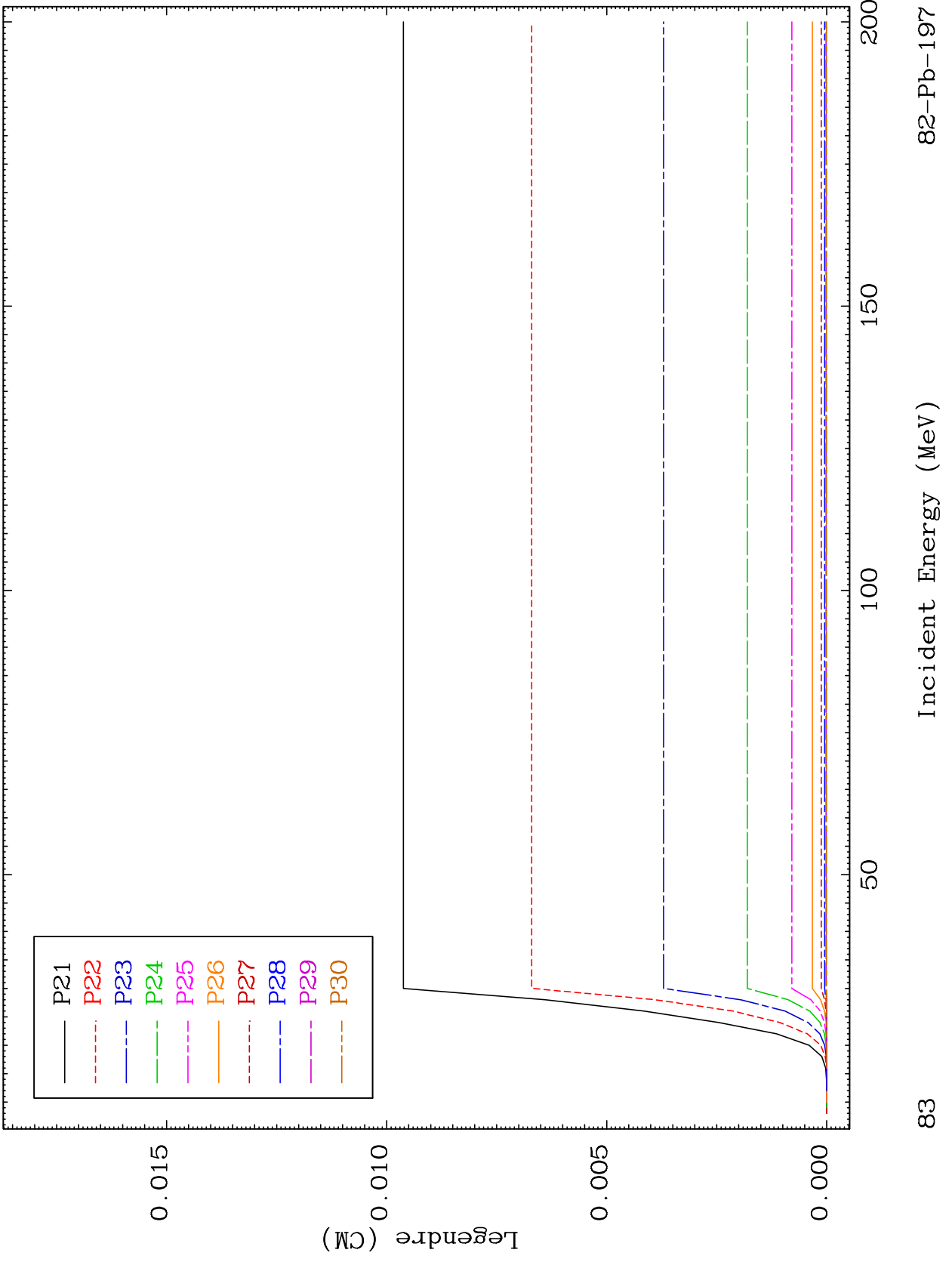
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



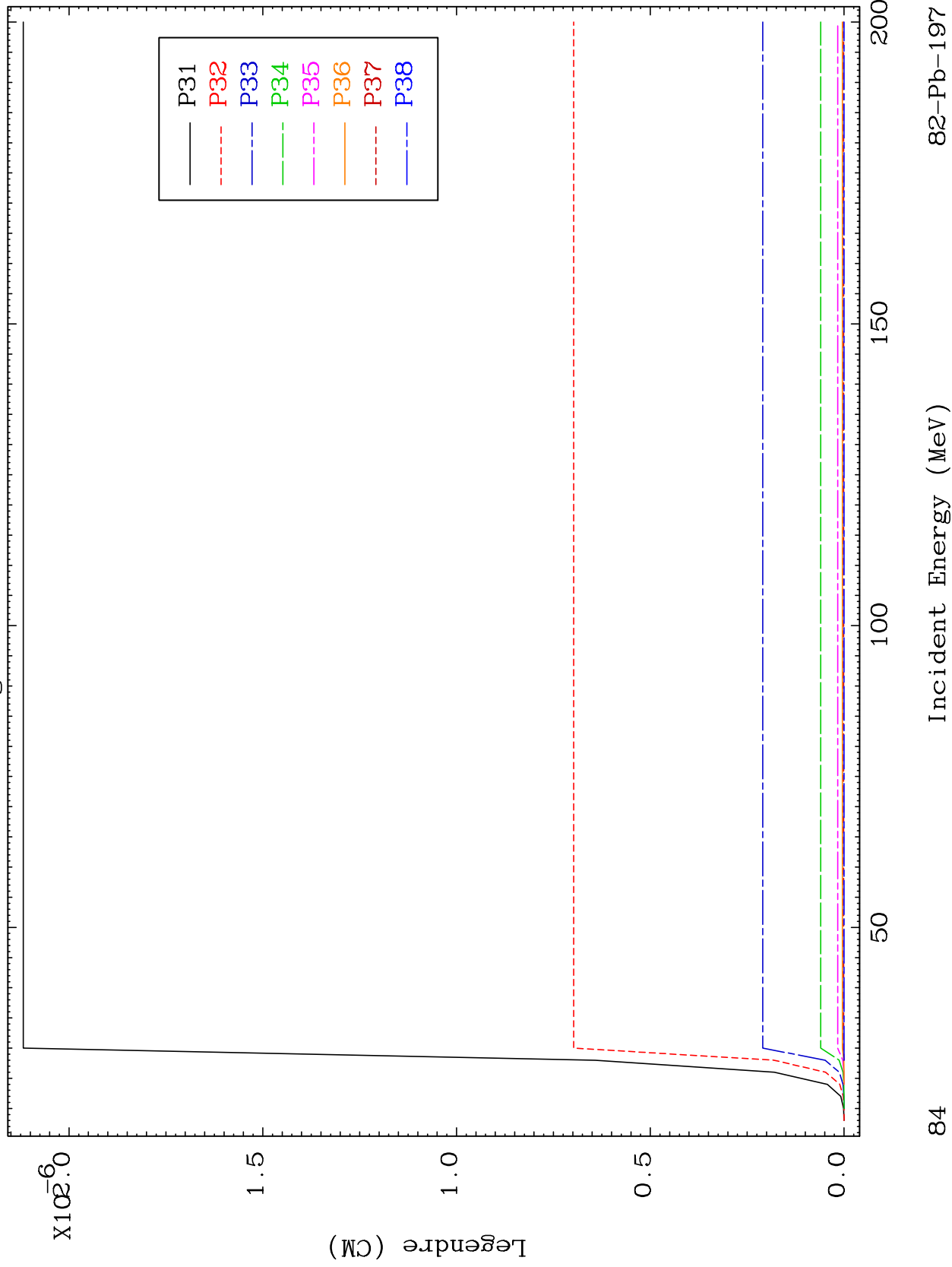
83

82-Pb-197

MAT 8204

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

82-Pb-197



84

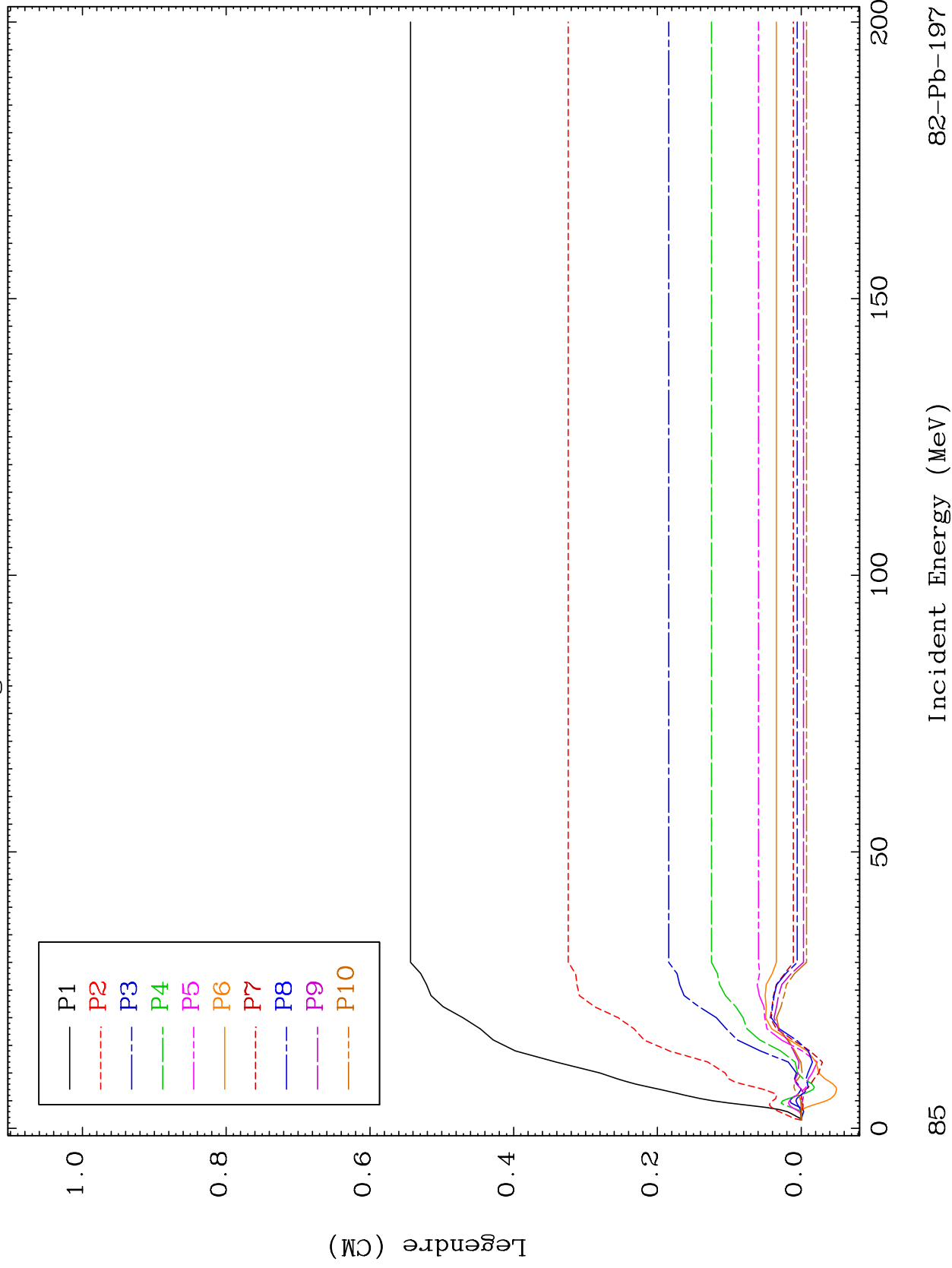
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



82-Pb-197

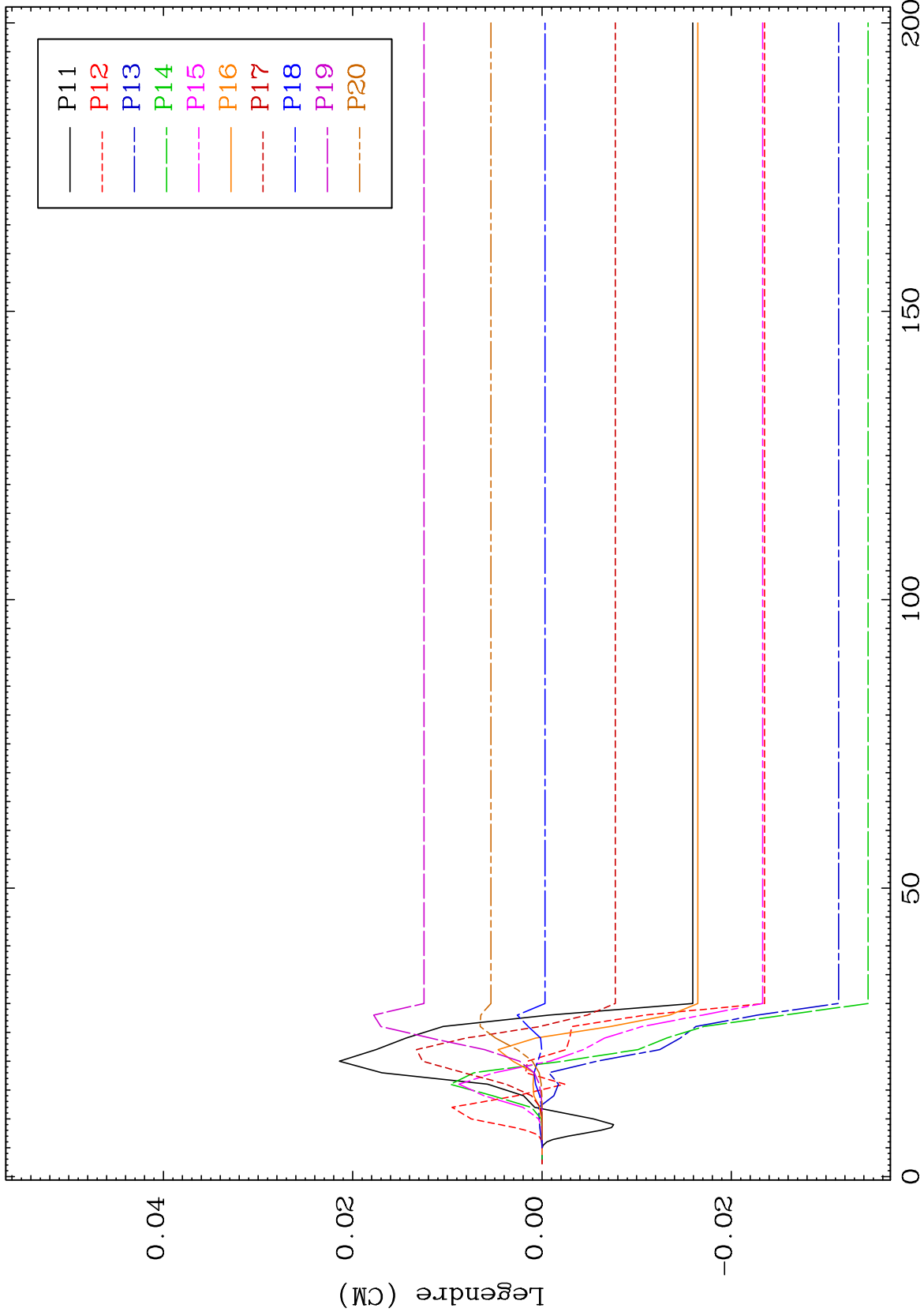
Incident Energy (MeV)

85

MAT 8204

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

82-Pb-197



86

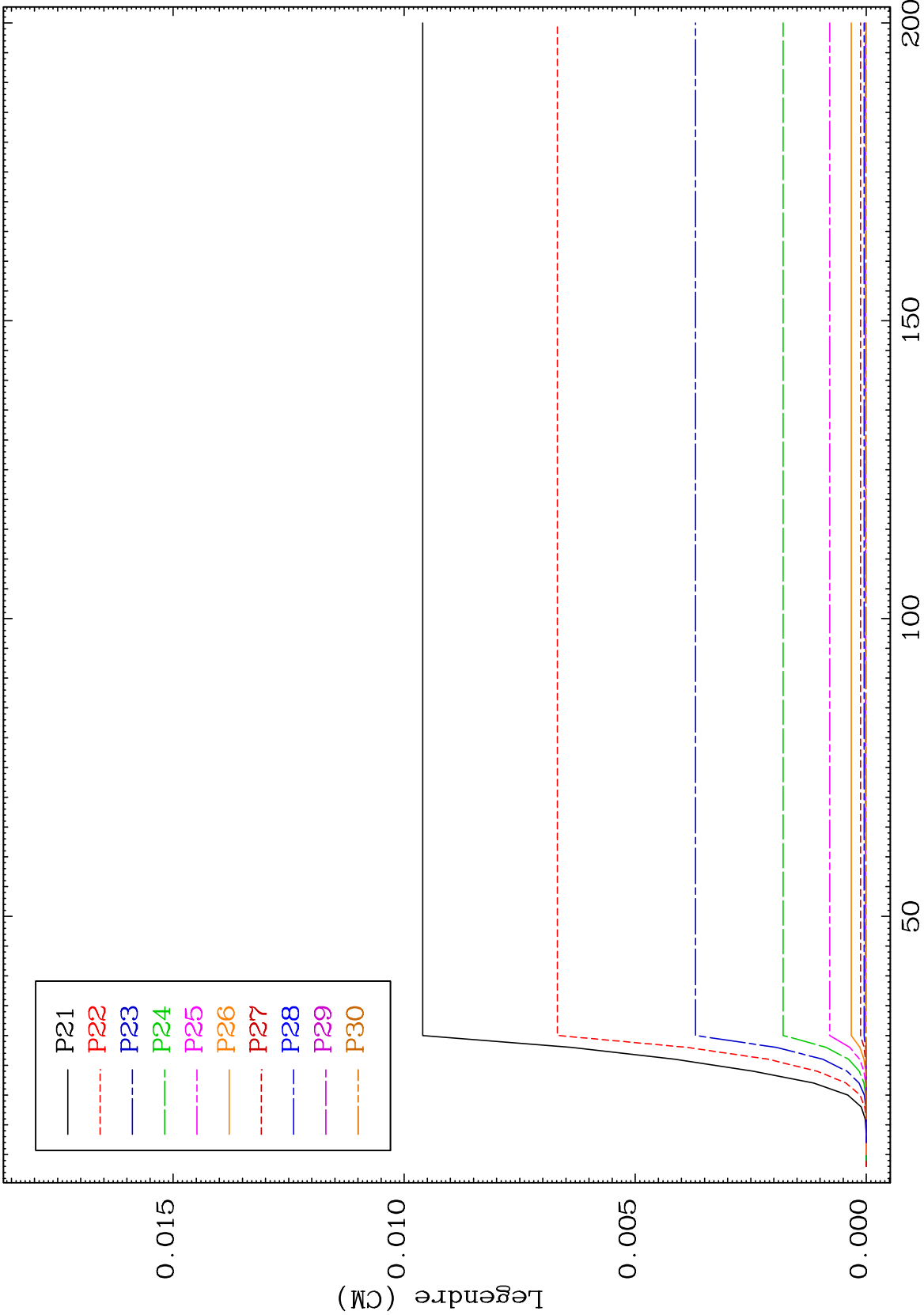
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



87

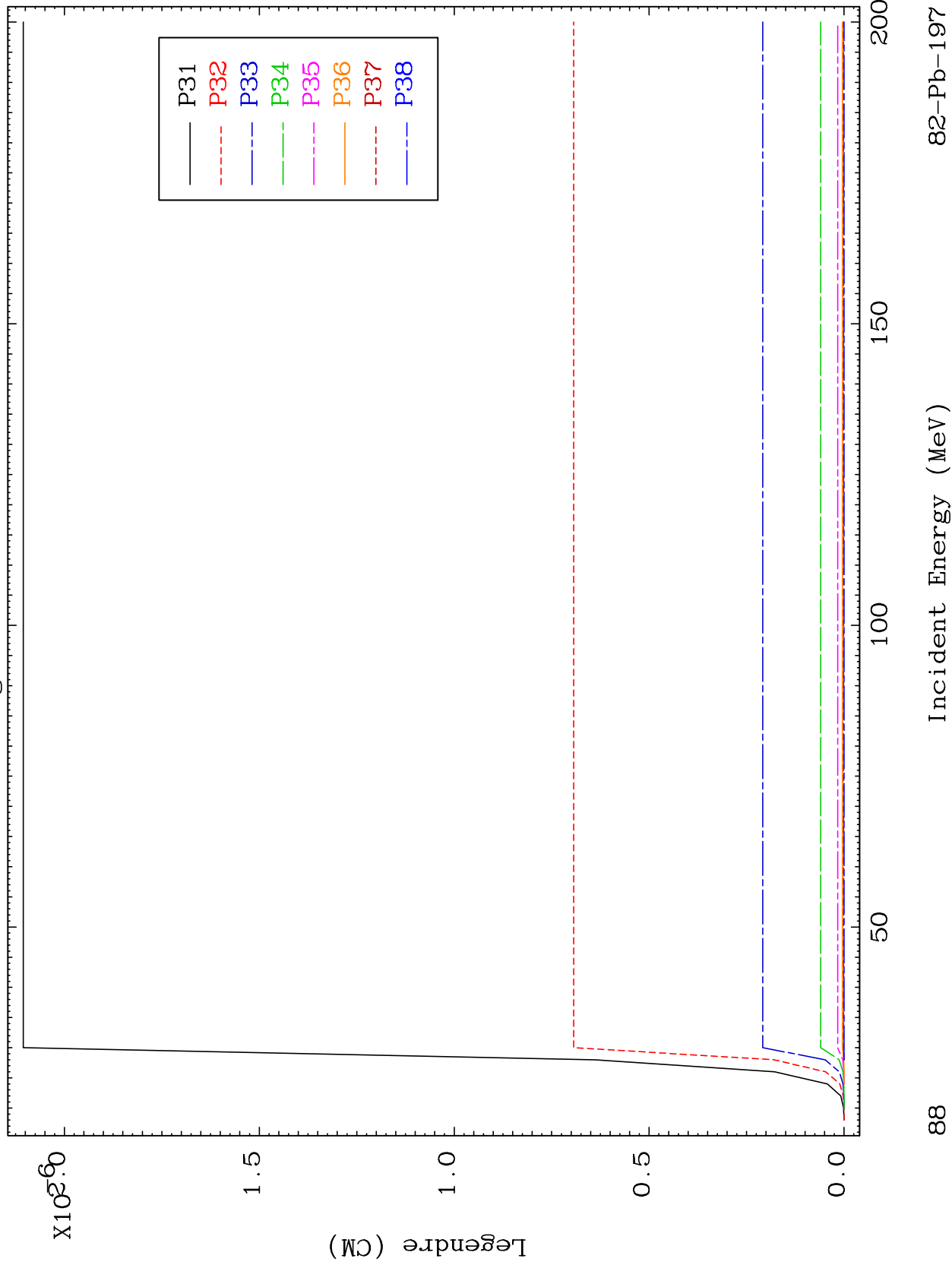
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



88

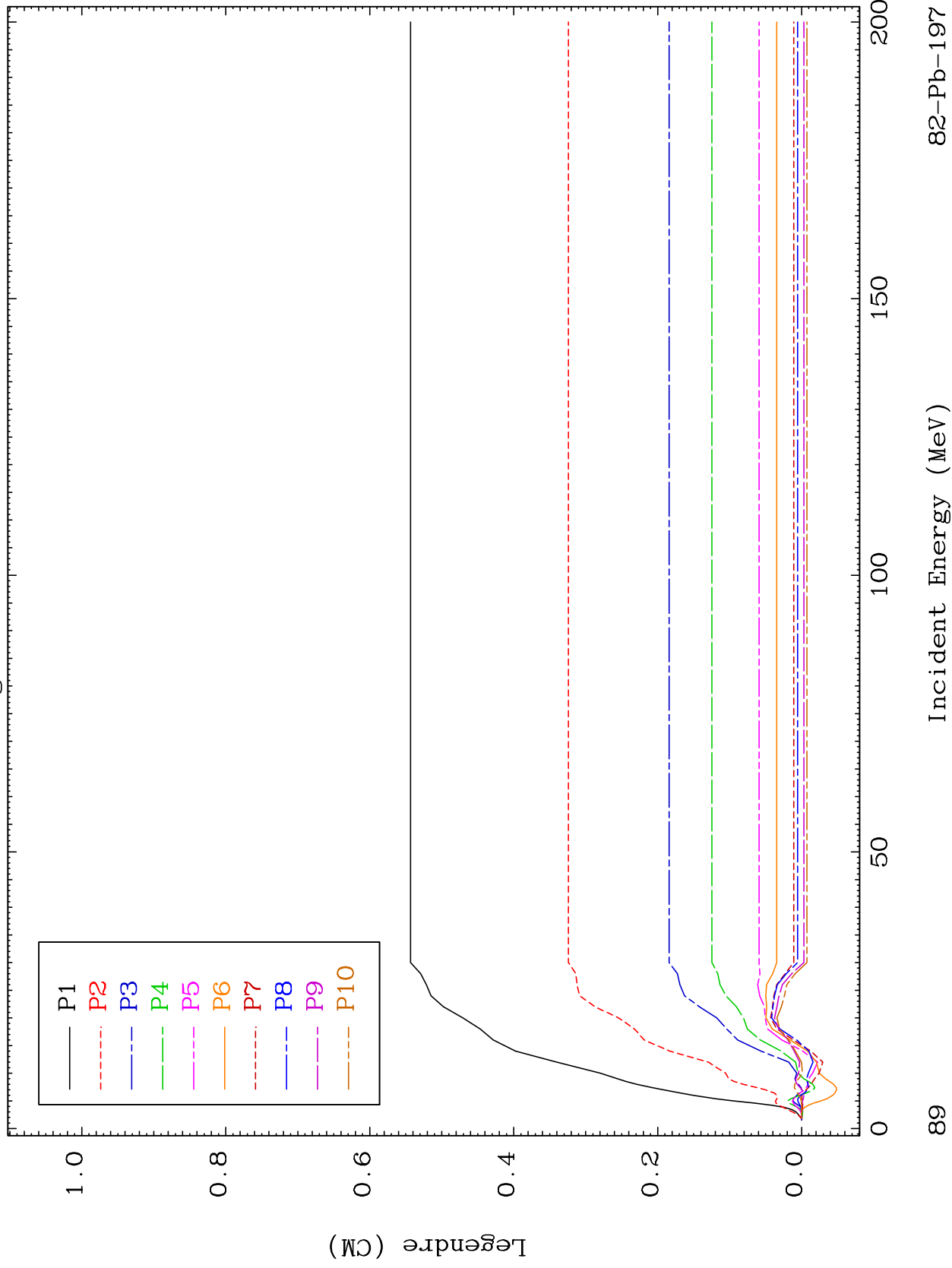
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197

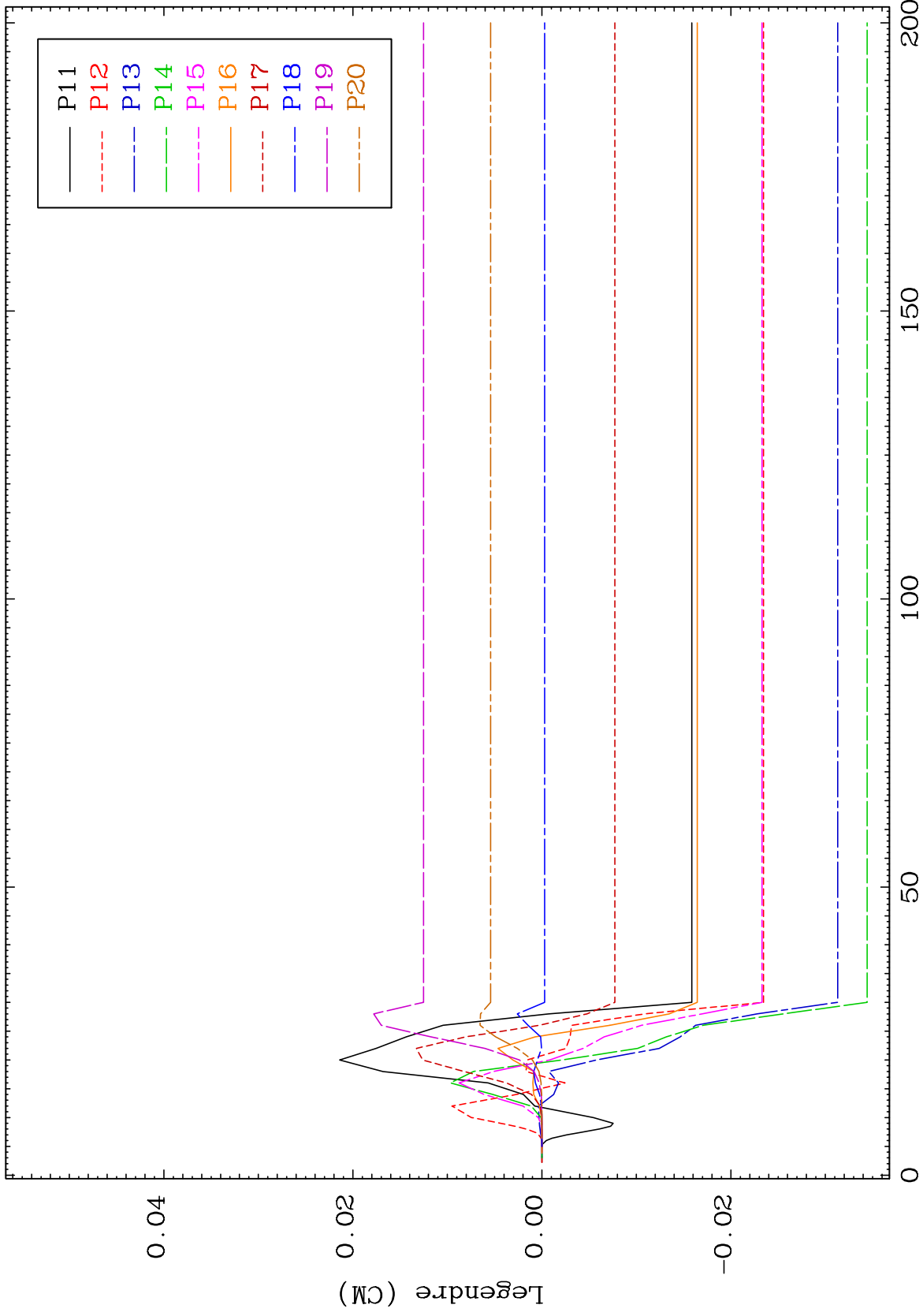


89

MAT 8204

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

82-Pb-197



90

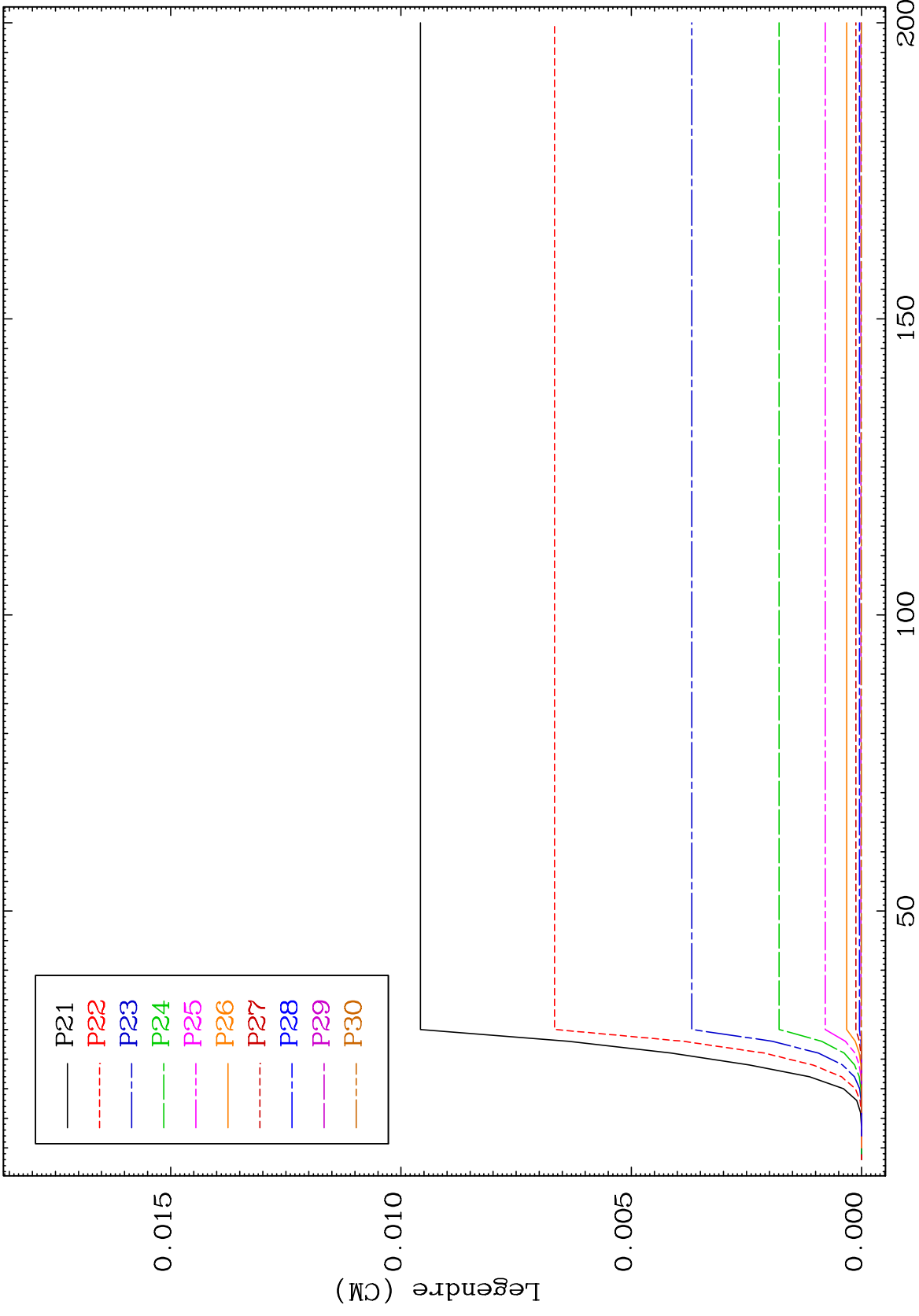
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

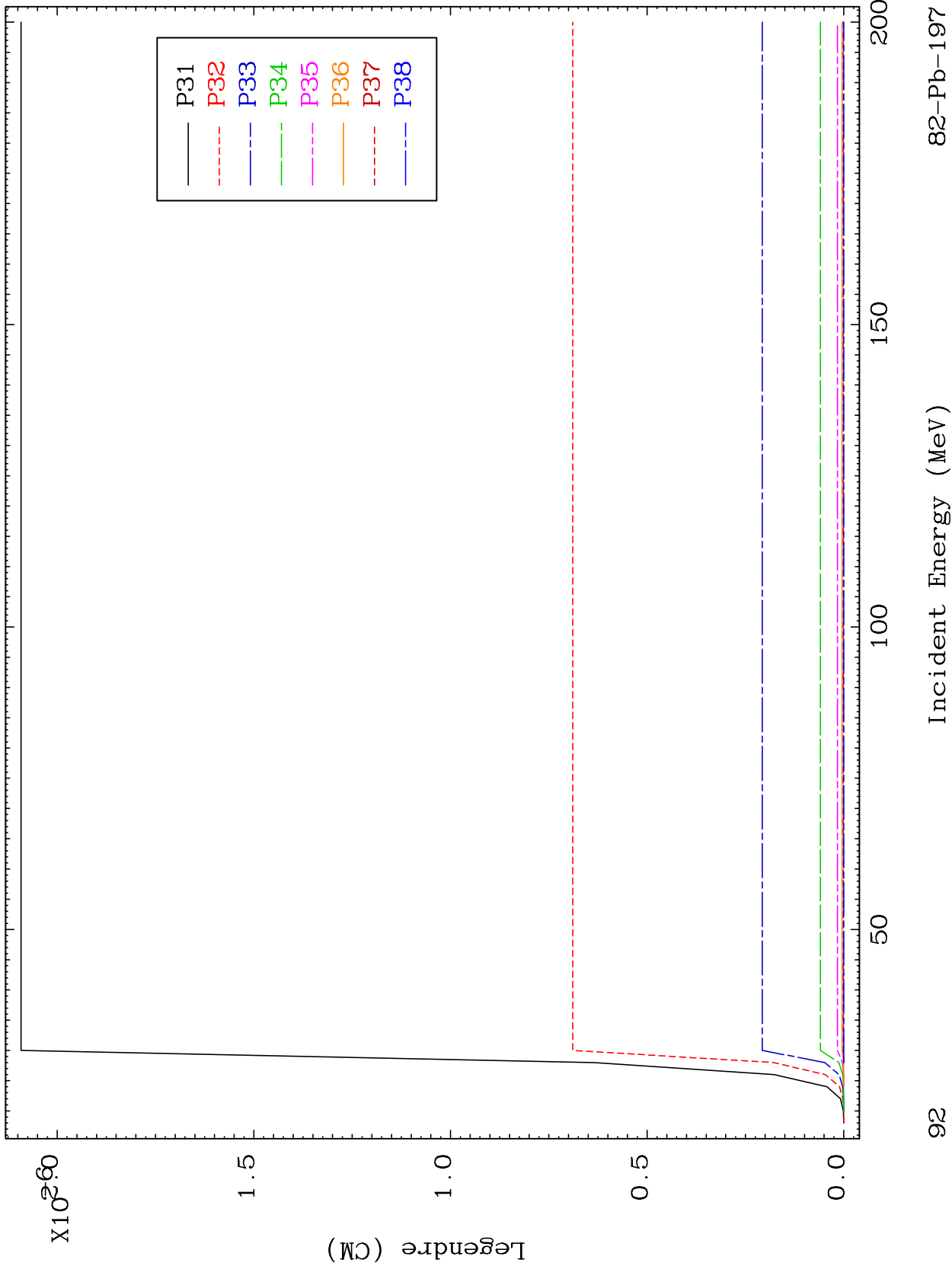
82-Pb-197



MAT 8204

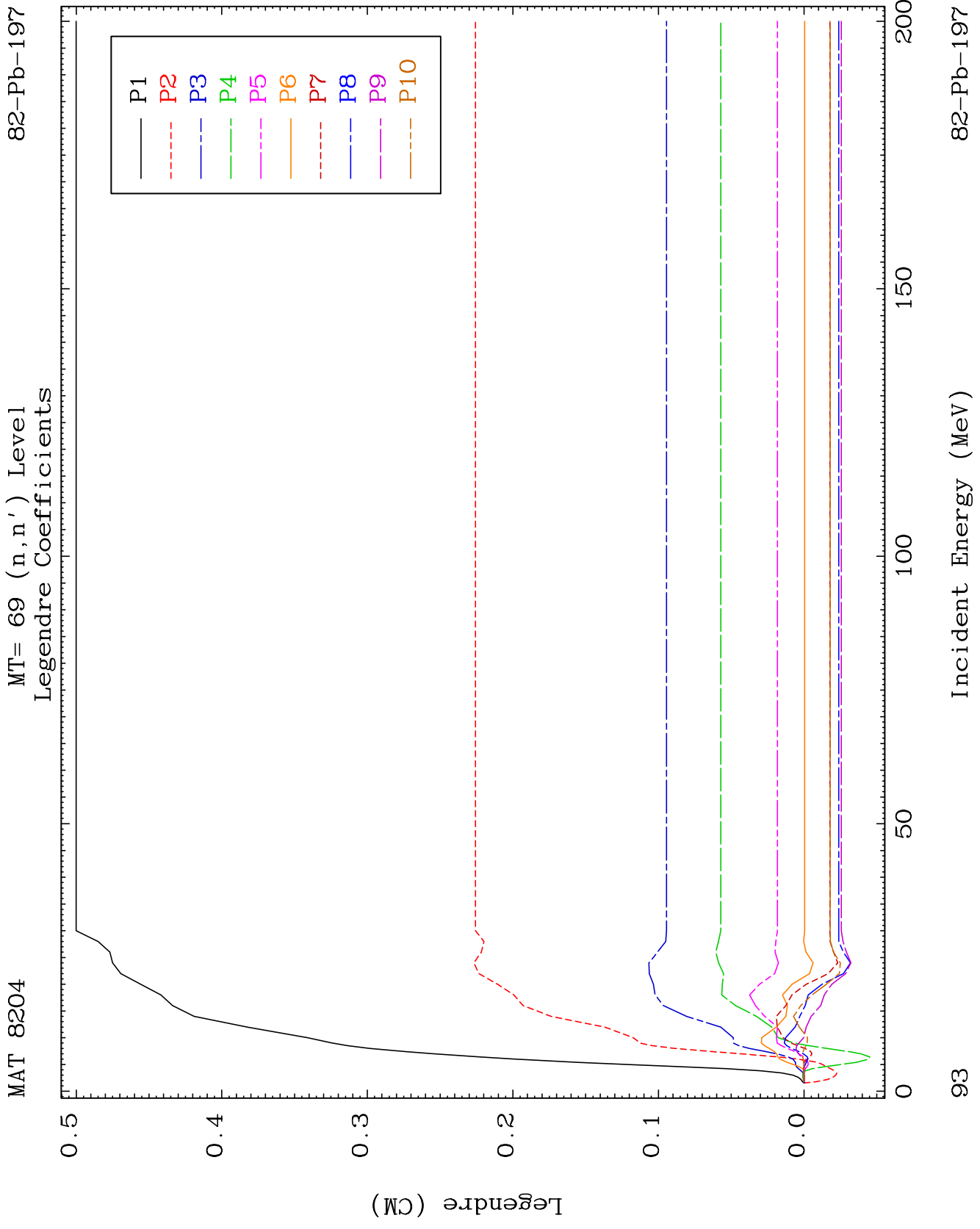
MT= 68 (n,n') Level
Legendre Coefficients

82-Pb-197



92

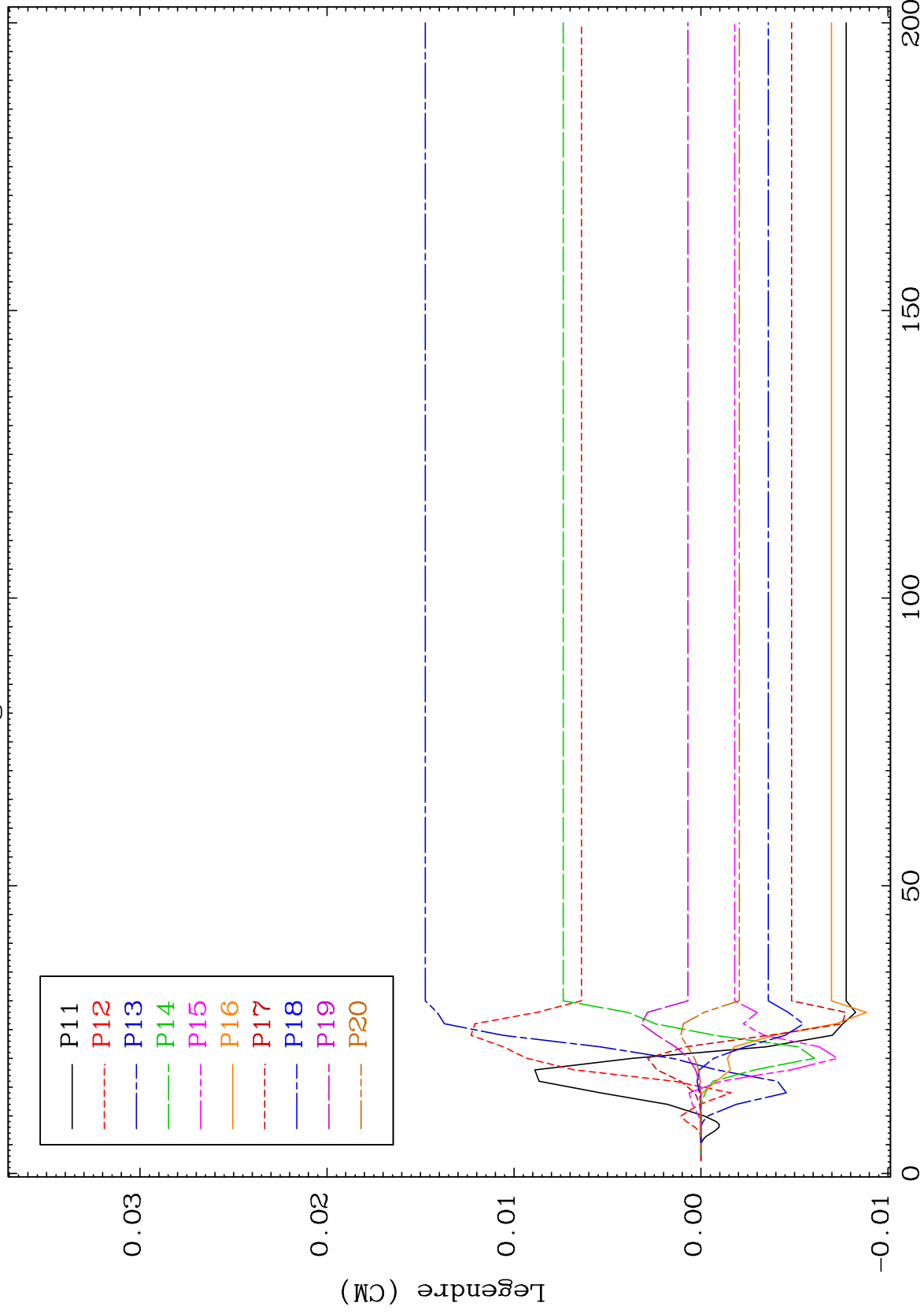
82-Pb-197



MAT 8204

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

82-Pb-197



94

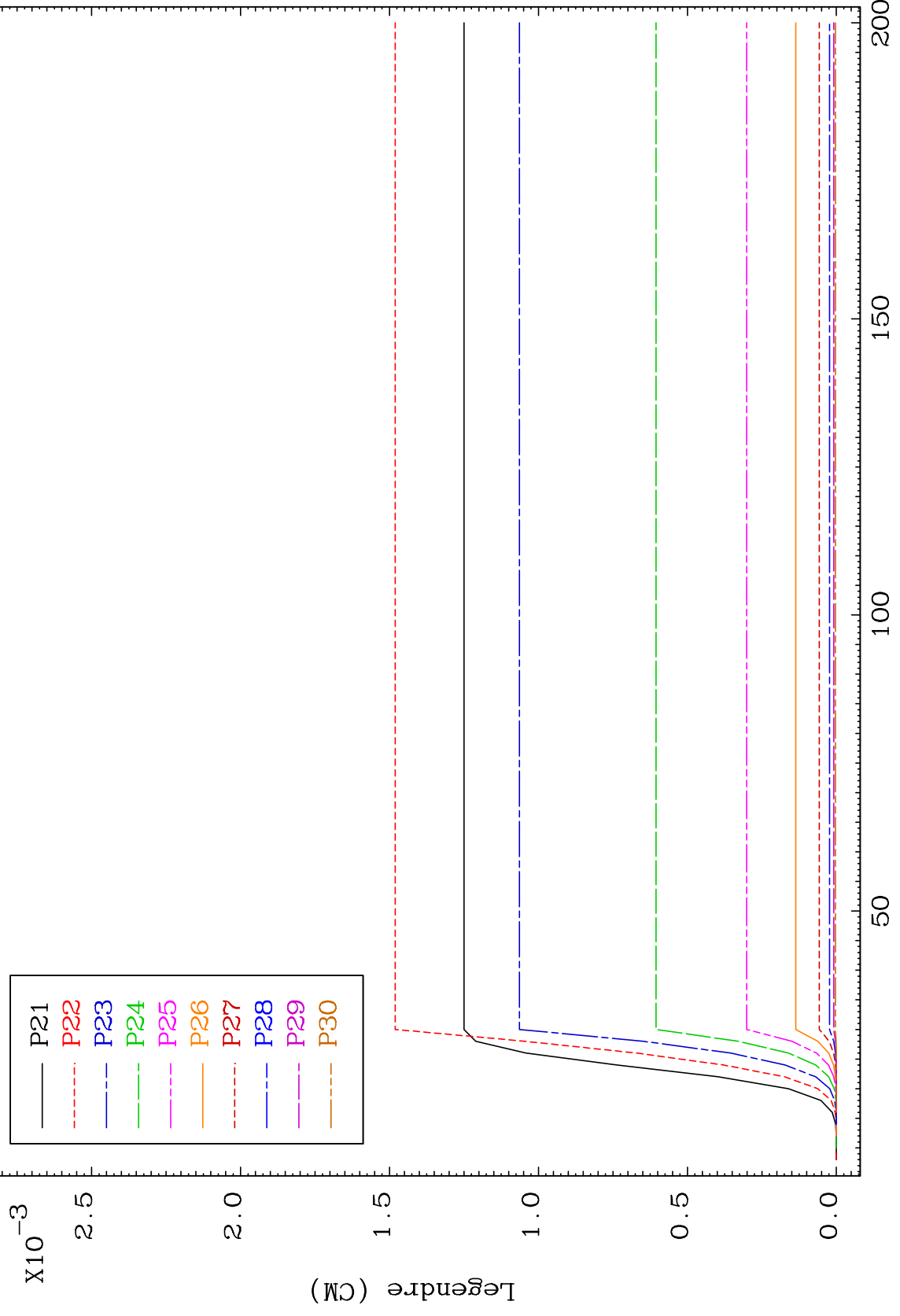
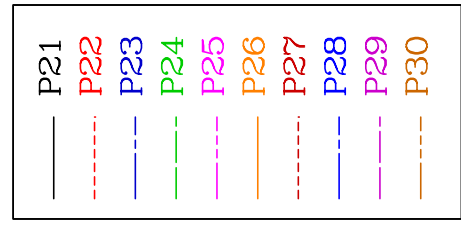
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

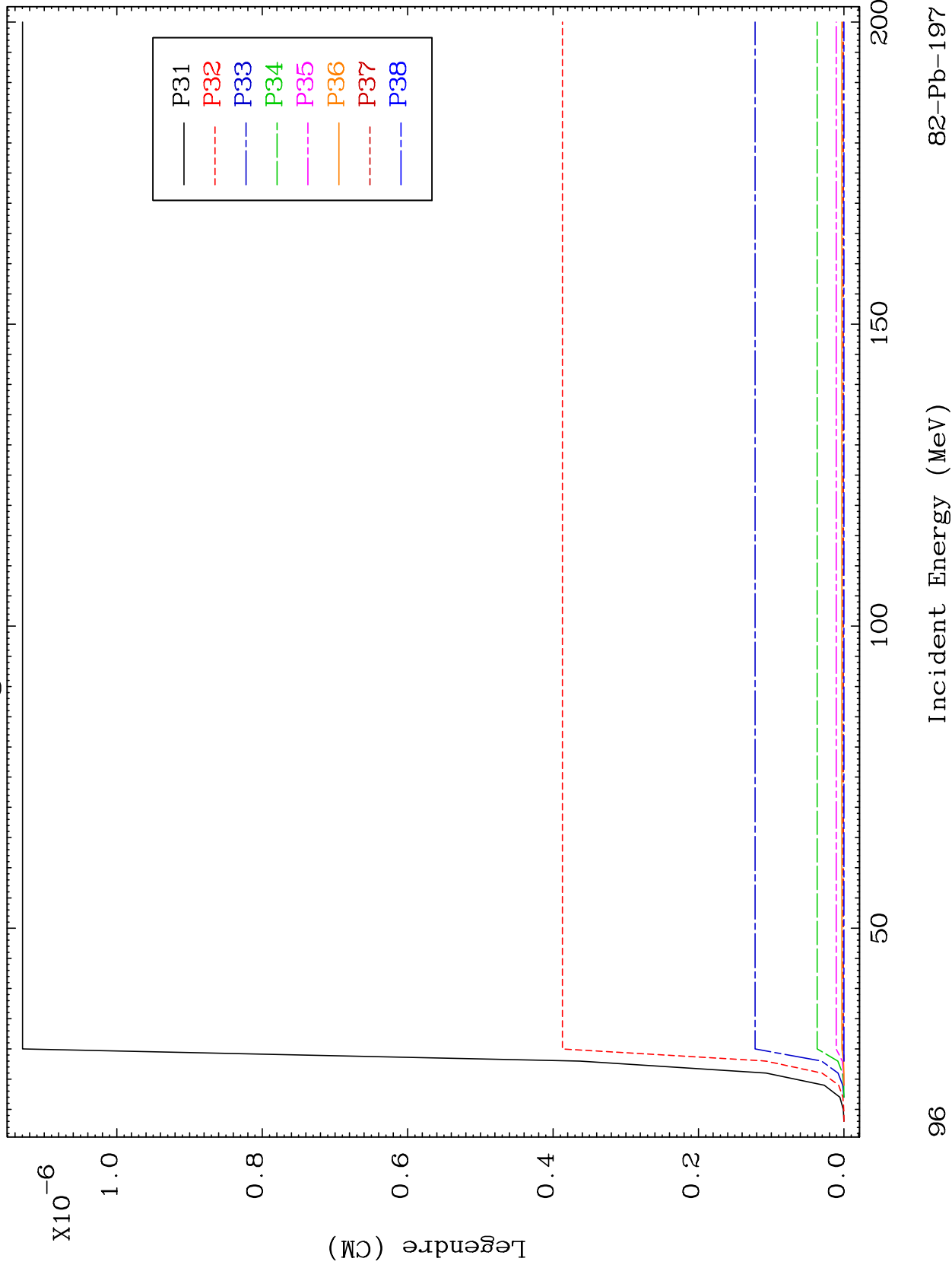
82-Pb-197



95

Incident Energy (MeV)

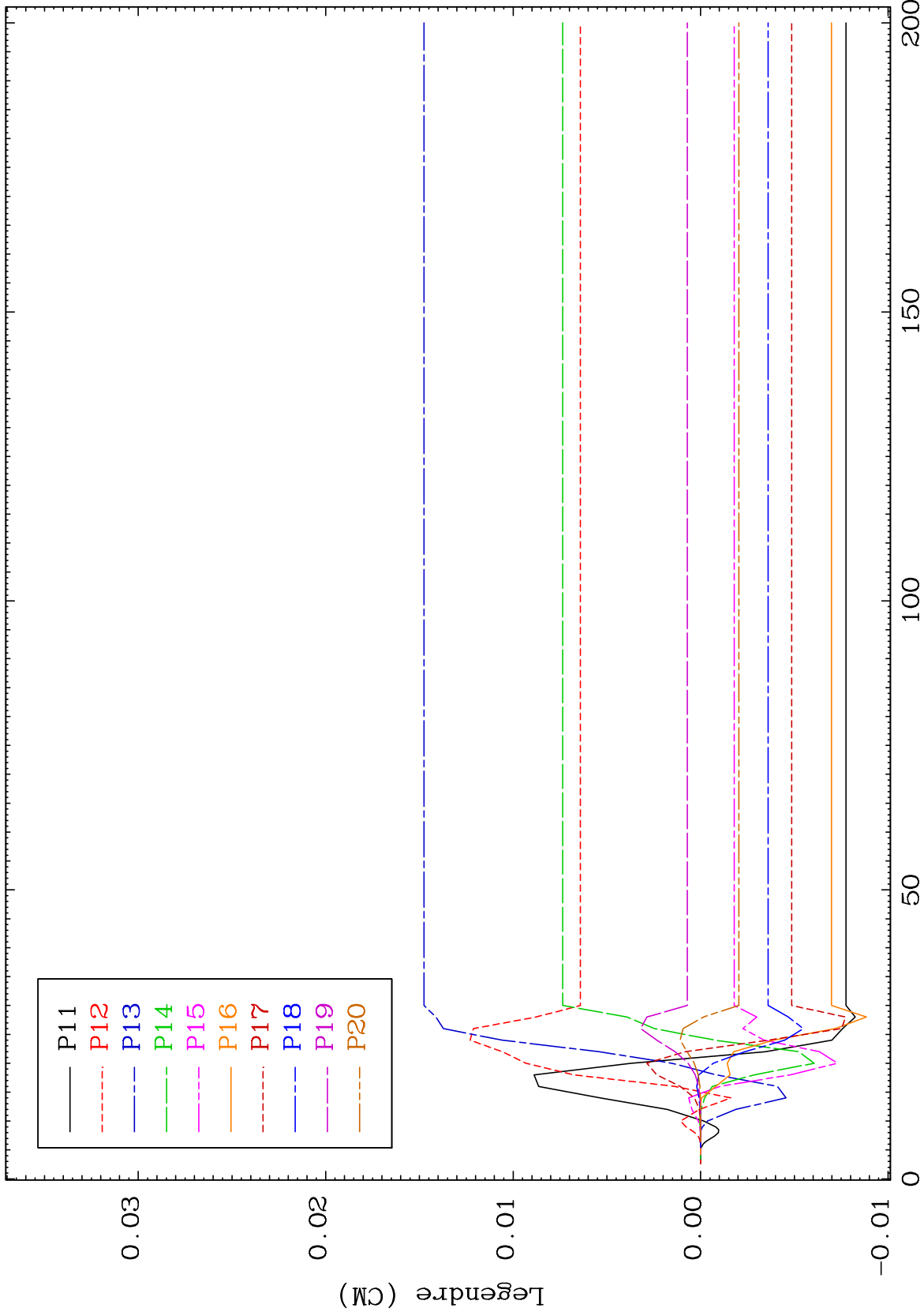
82-Pb-197



MAT 8204

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

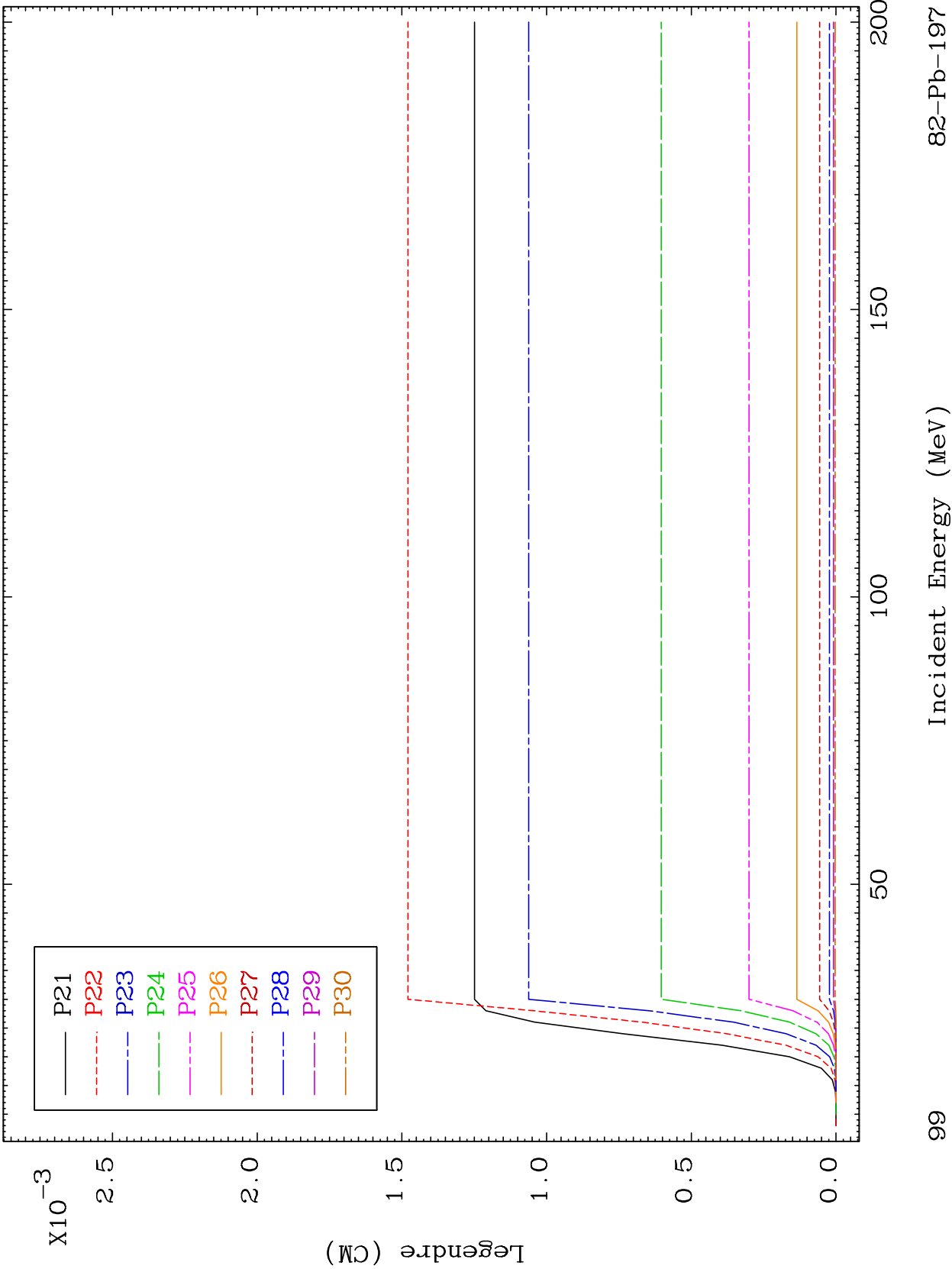
82-Pb-197



98

Incident Energy (MeV)

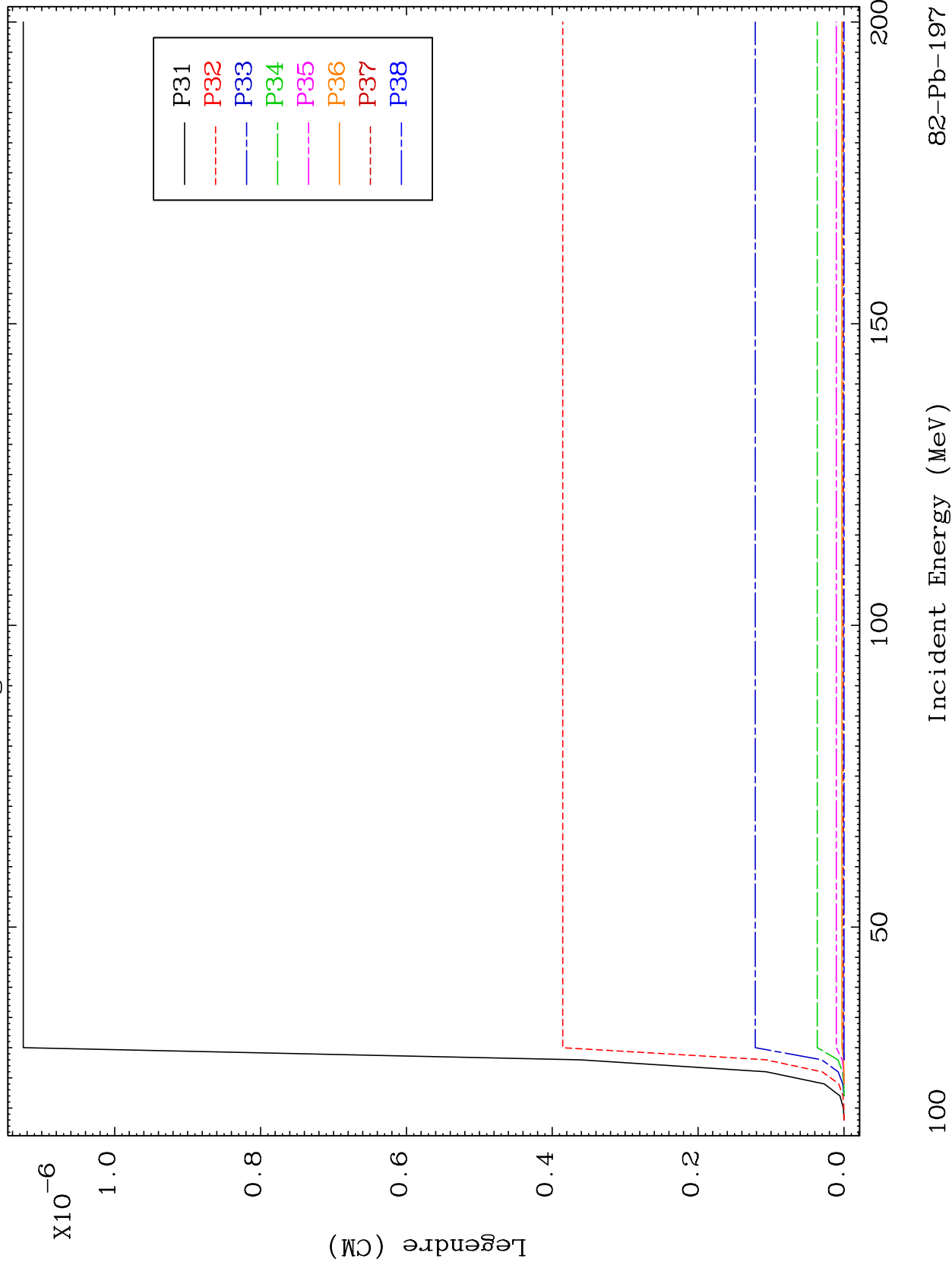
82-Pb-197

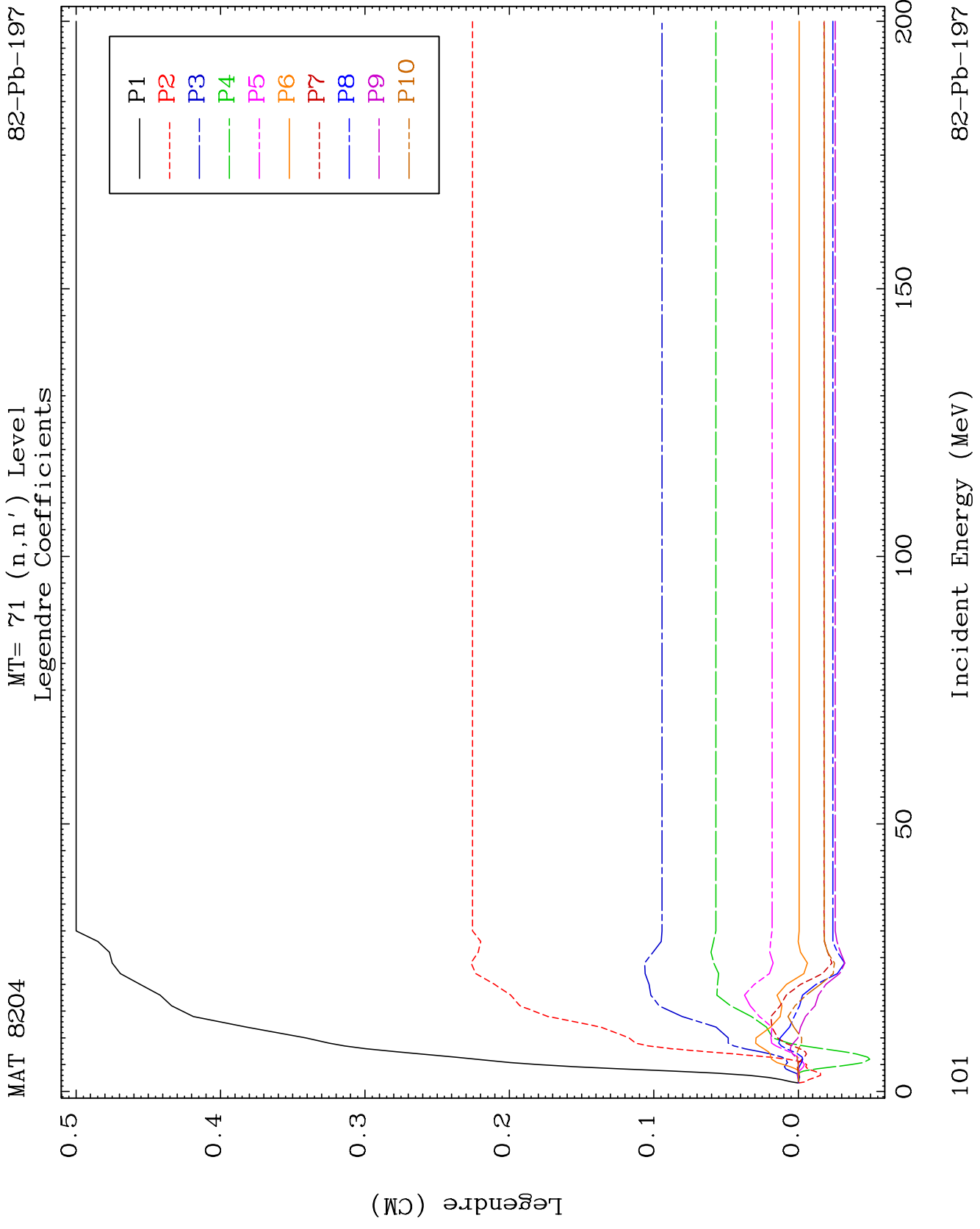


MAT 8204

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

82-Pb-197

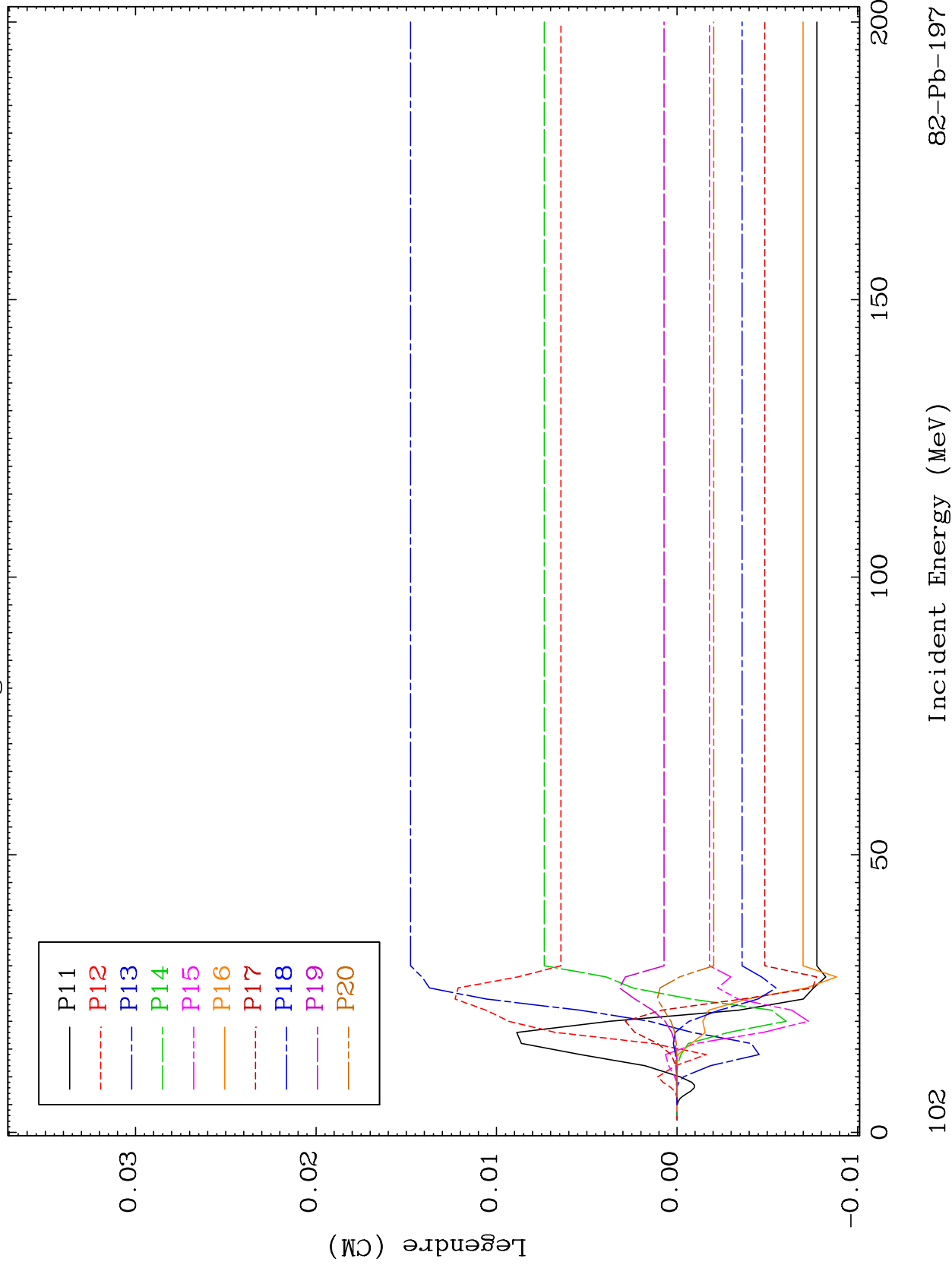




MAT 8204

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

82-Pb-197



82-Pb-197

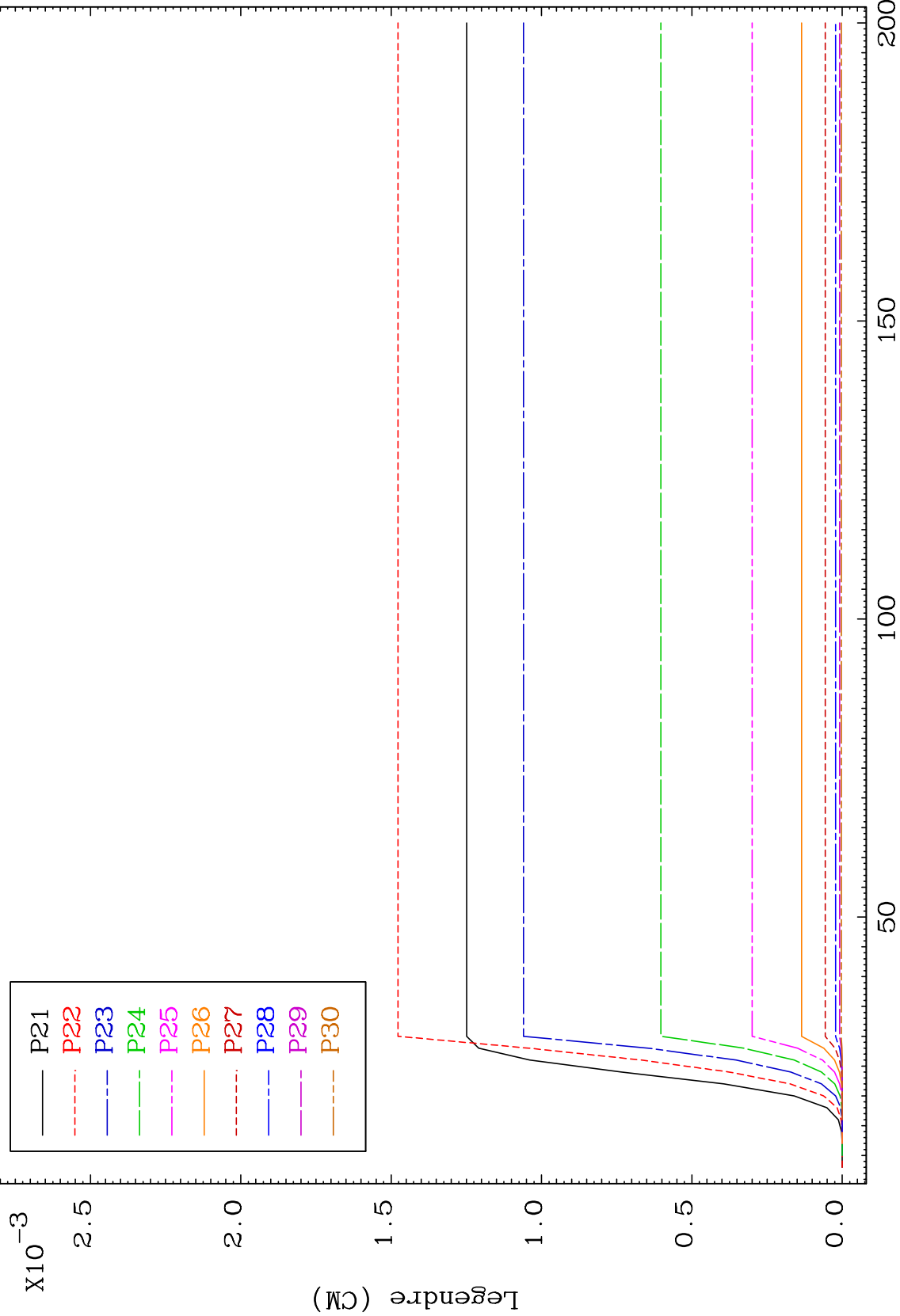
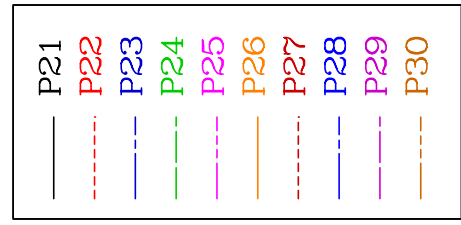
Incident Energy (MeV)

102

MAT 8204

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

82-Pb-197



103

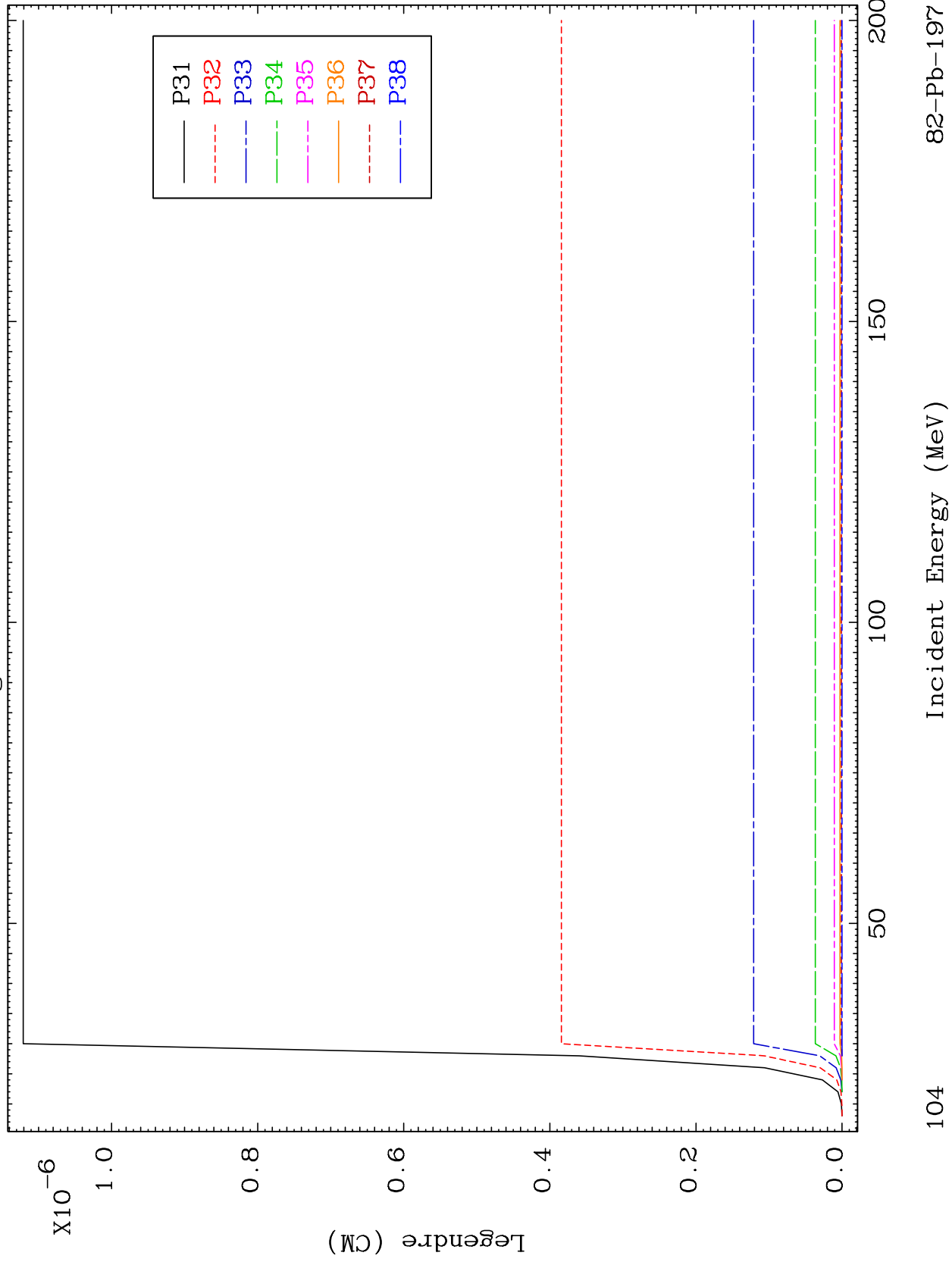
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197

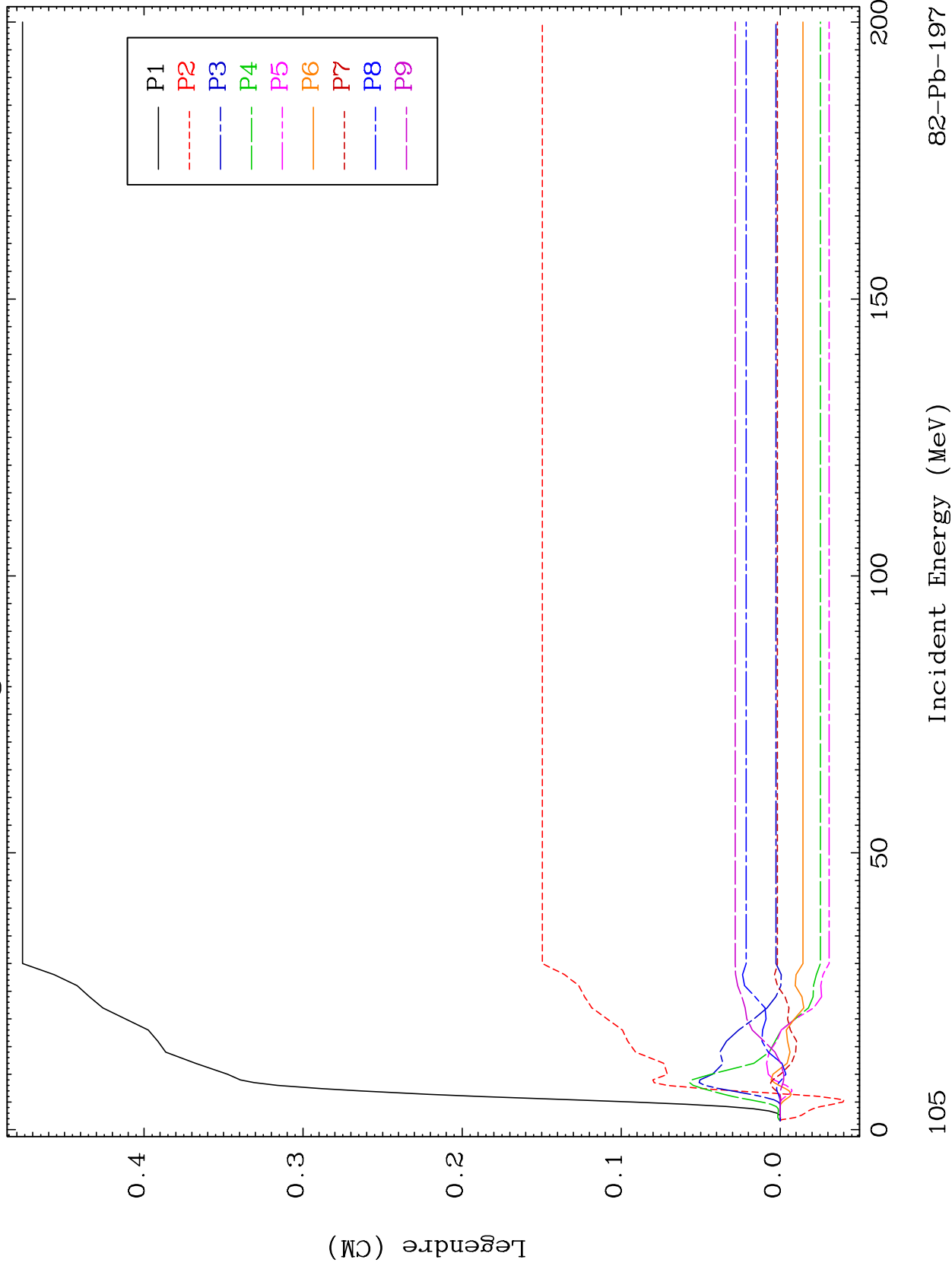


104

MAT 8204

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

82-Pb-197



82-Pb-197

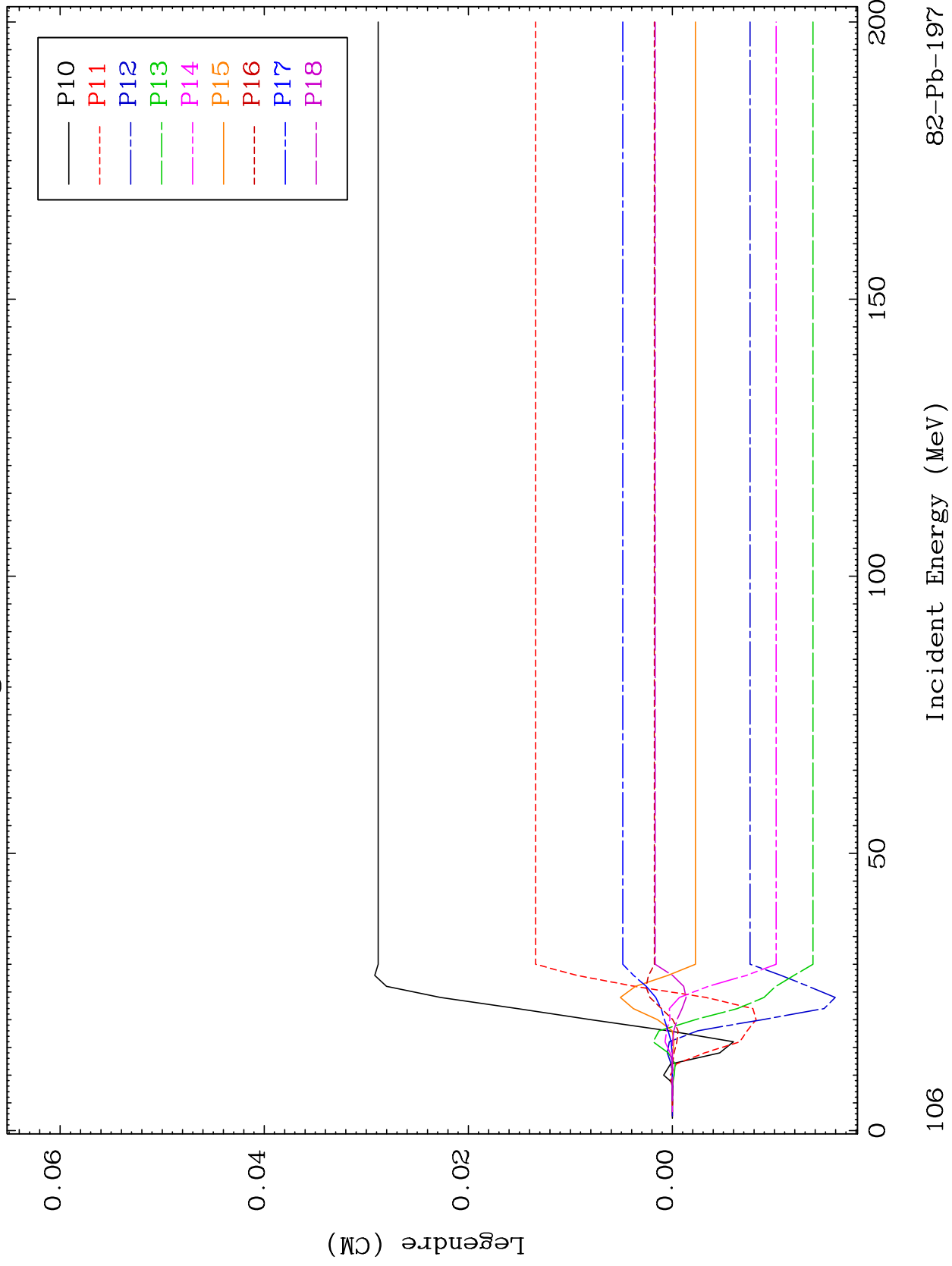
Incident Energy (MeV)

105

MAT 8204

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

82-Pb-197



82-Pb-197

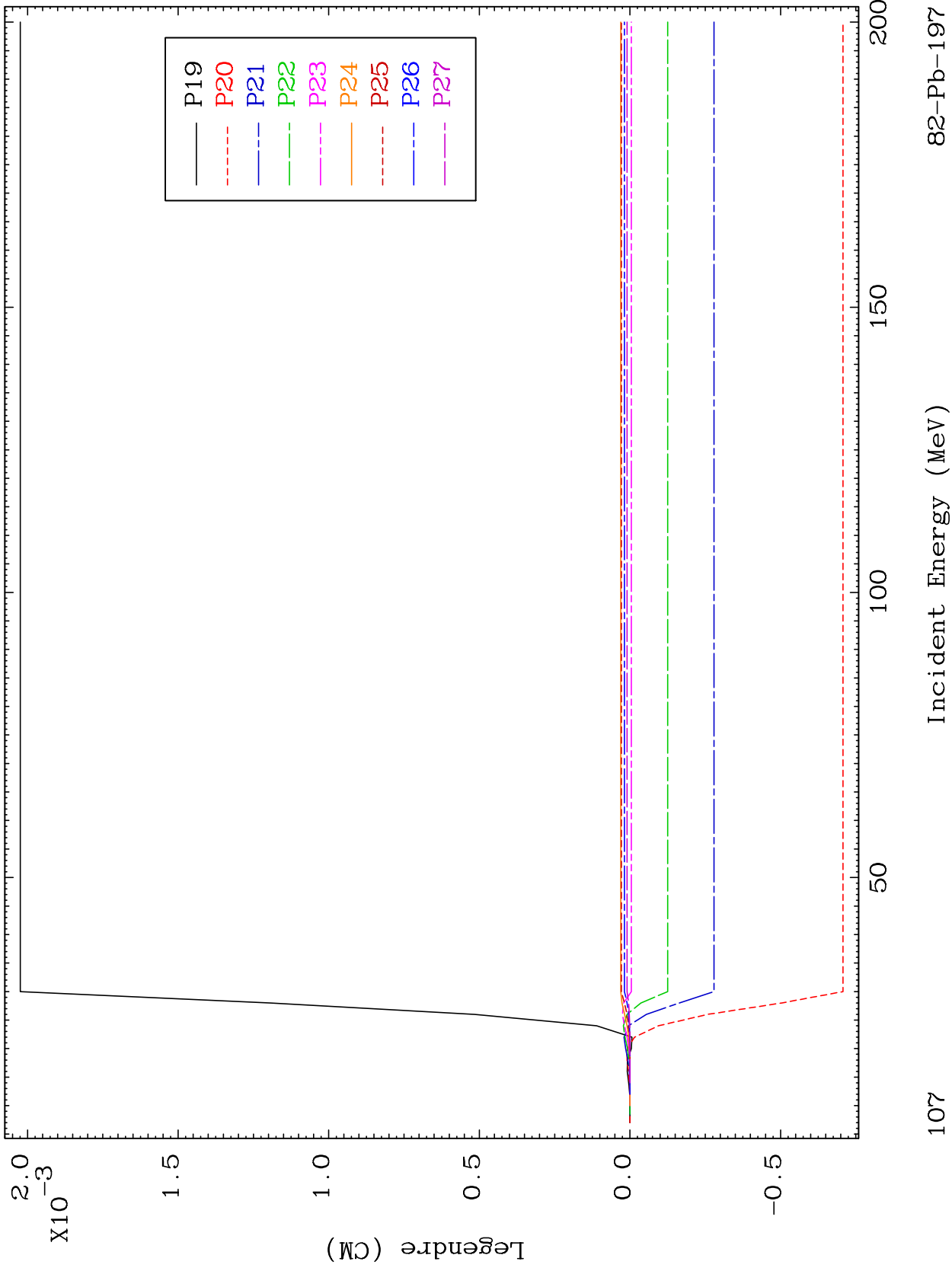
Incident Energy (MeV)

106

MAT 8204

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

82-Pb-197



107

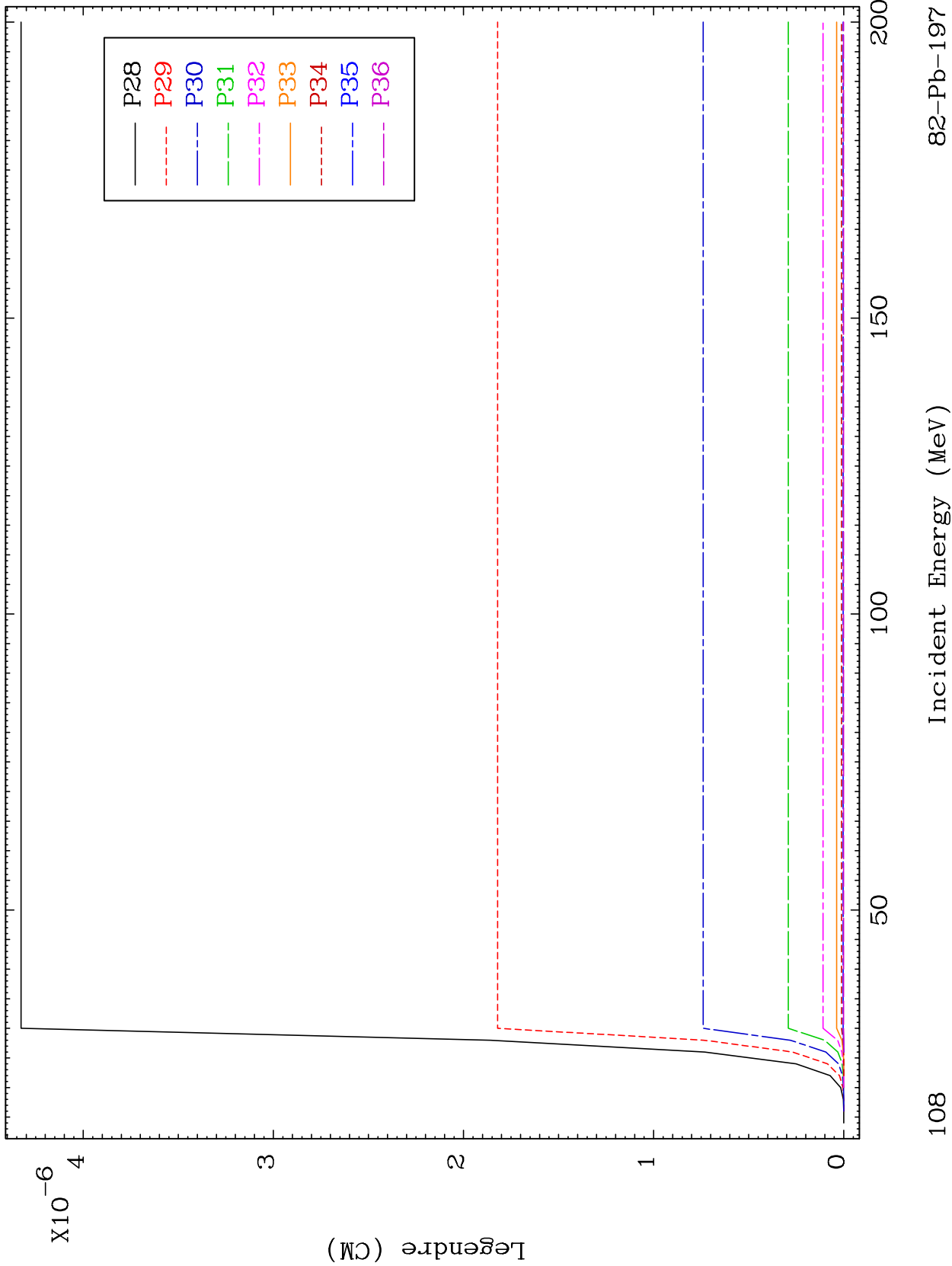
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



108

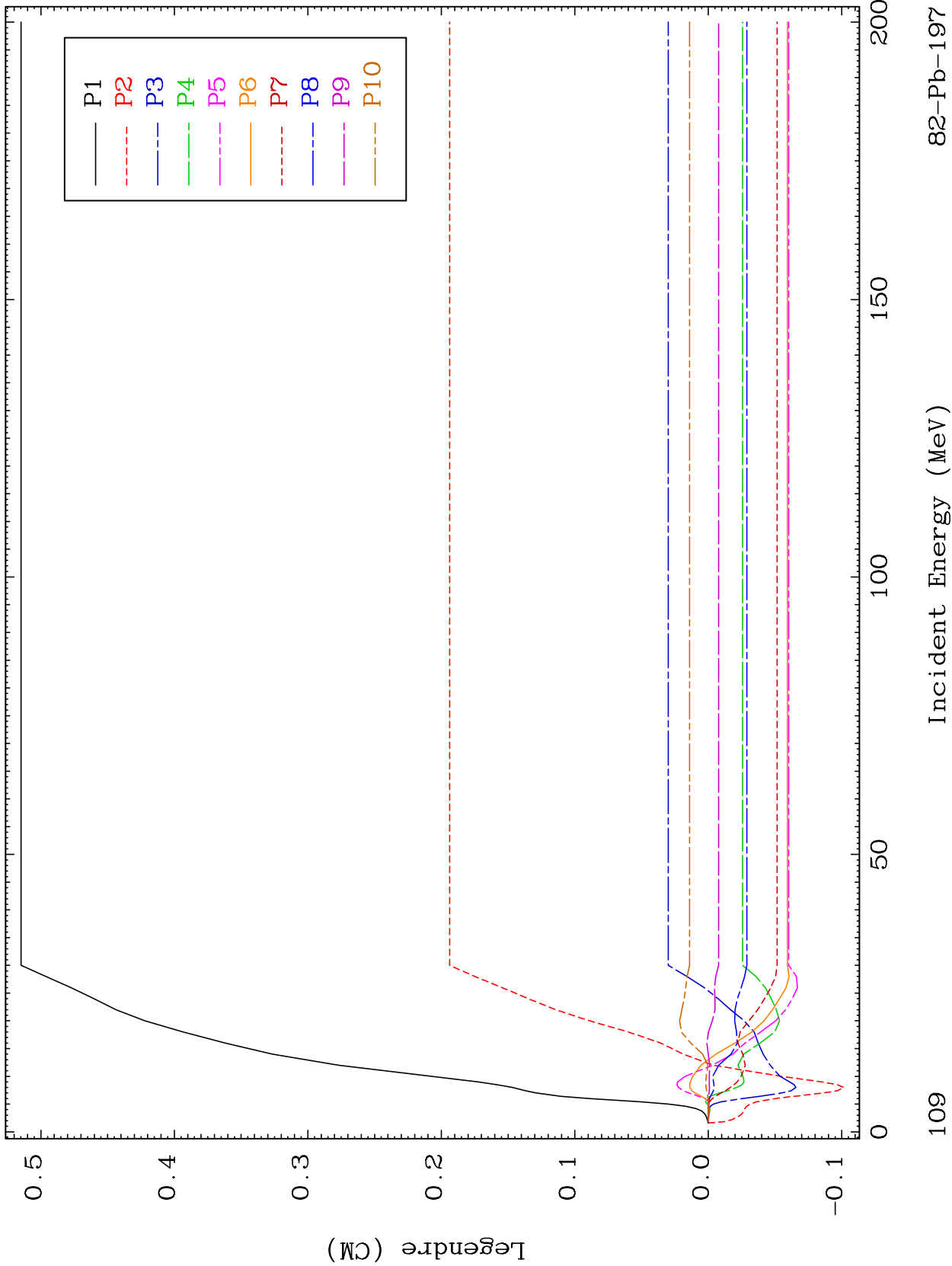
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



82-Pb-197

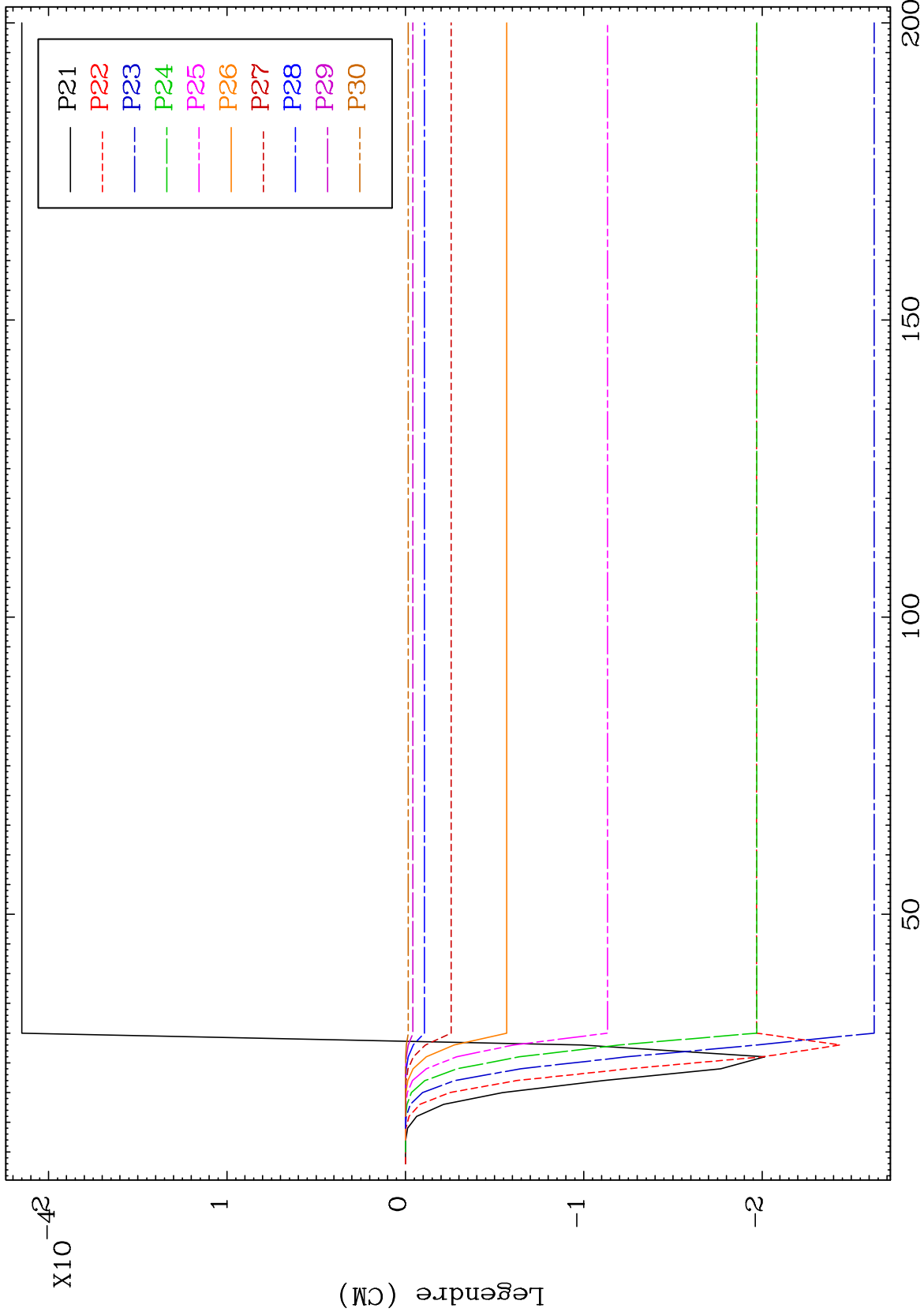
Incident Energy (MeV)

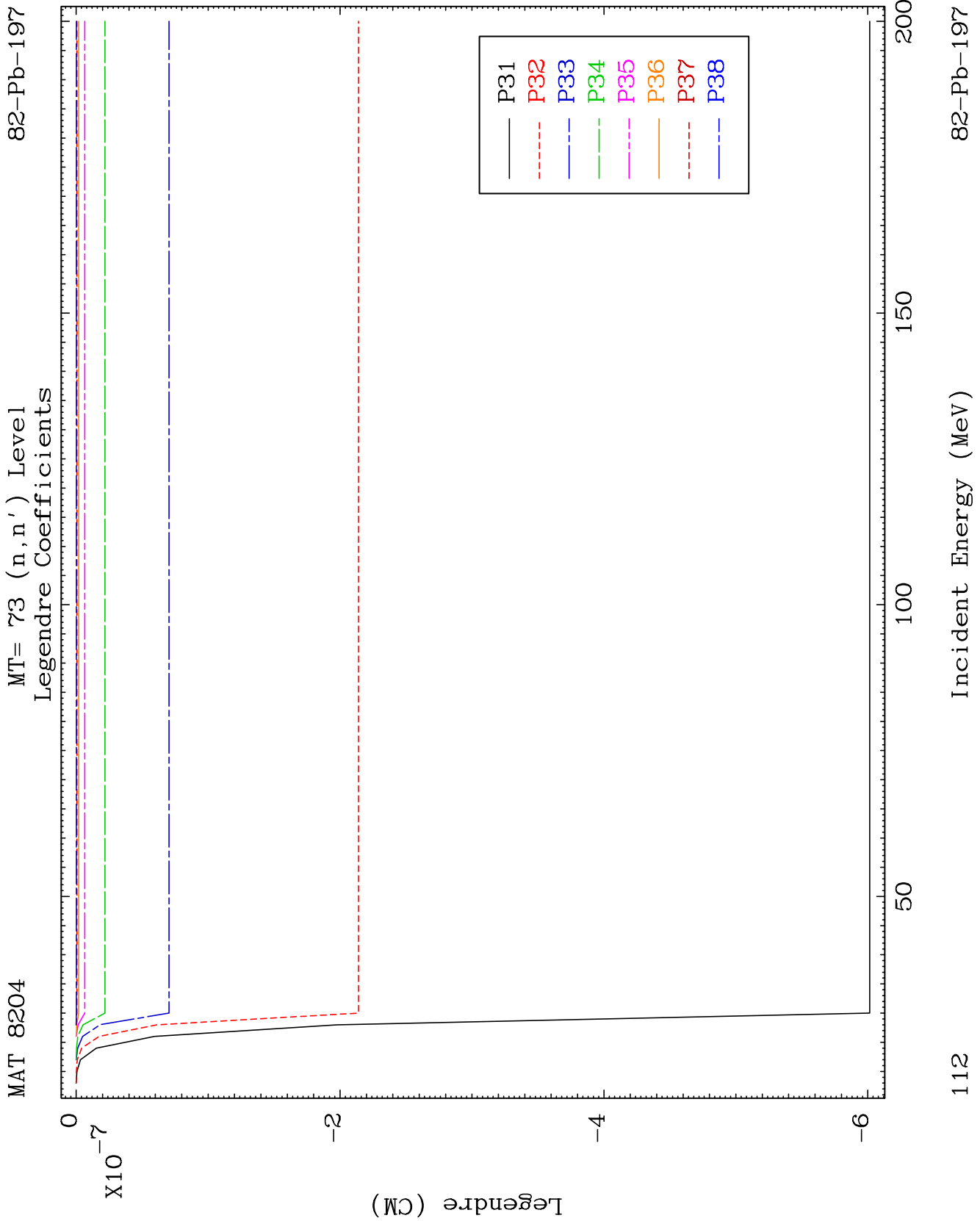
109

MAT 8204

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

82-Pb-197

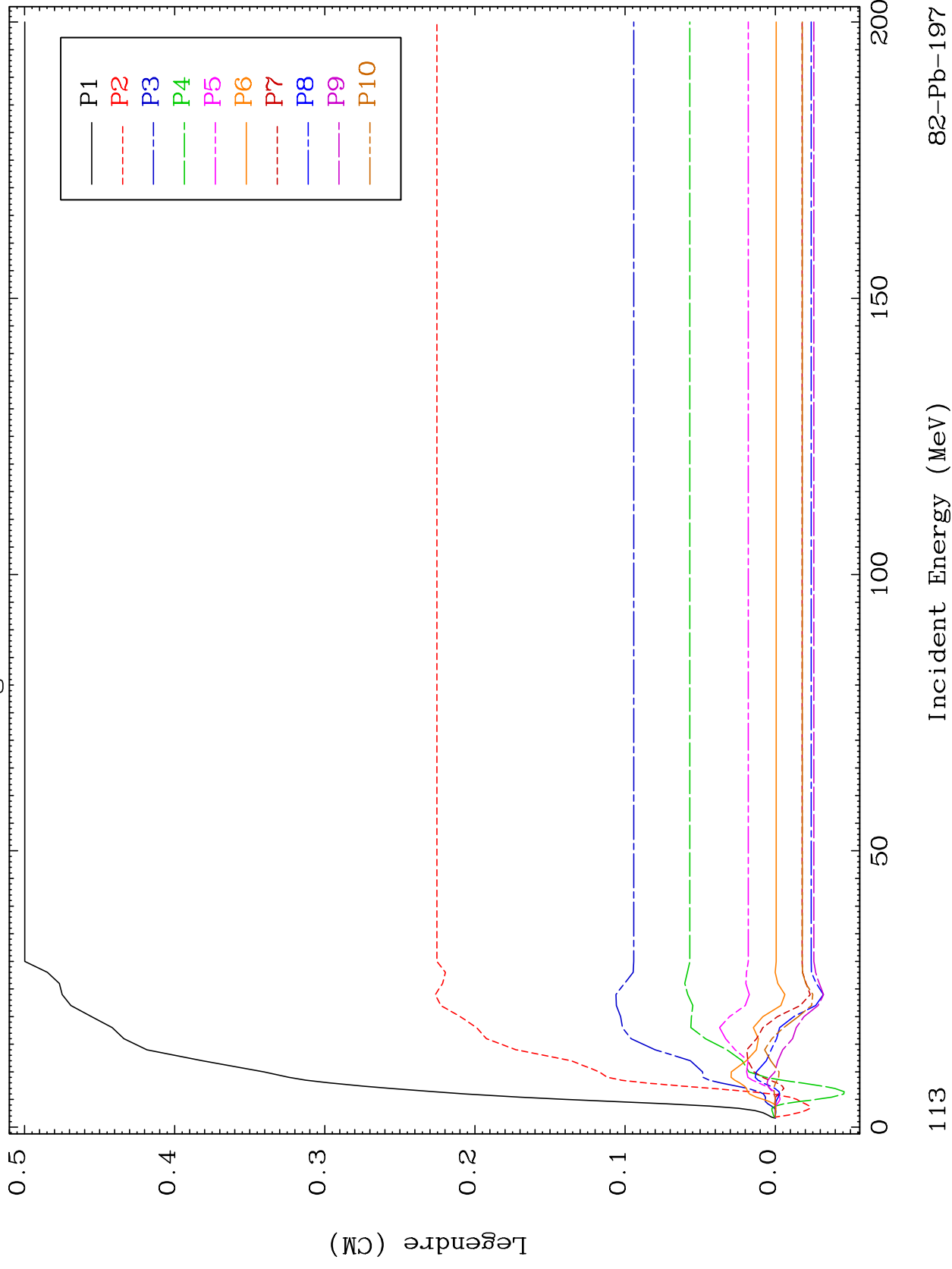




MAT 8204

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

82-Pb-197



82-Pb-197

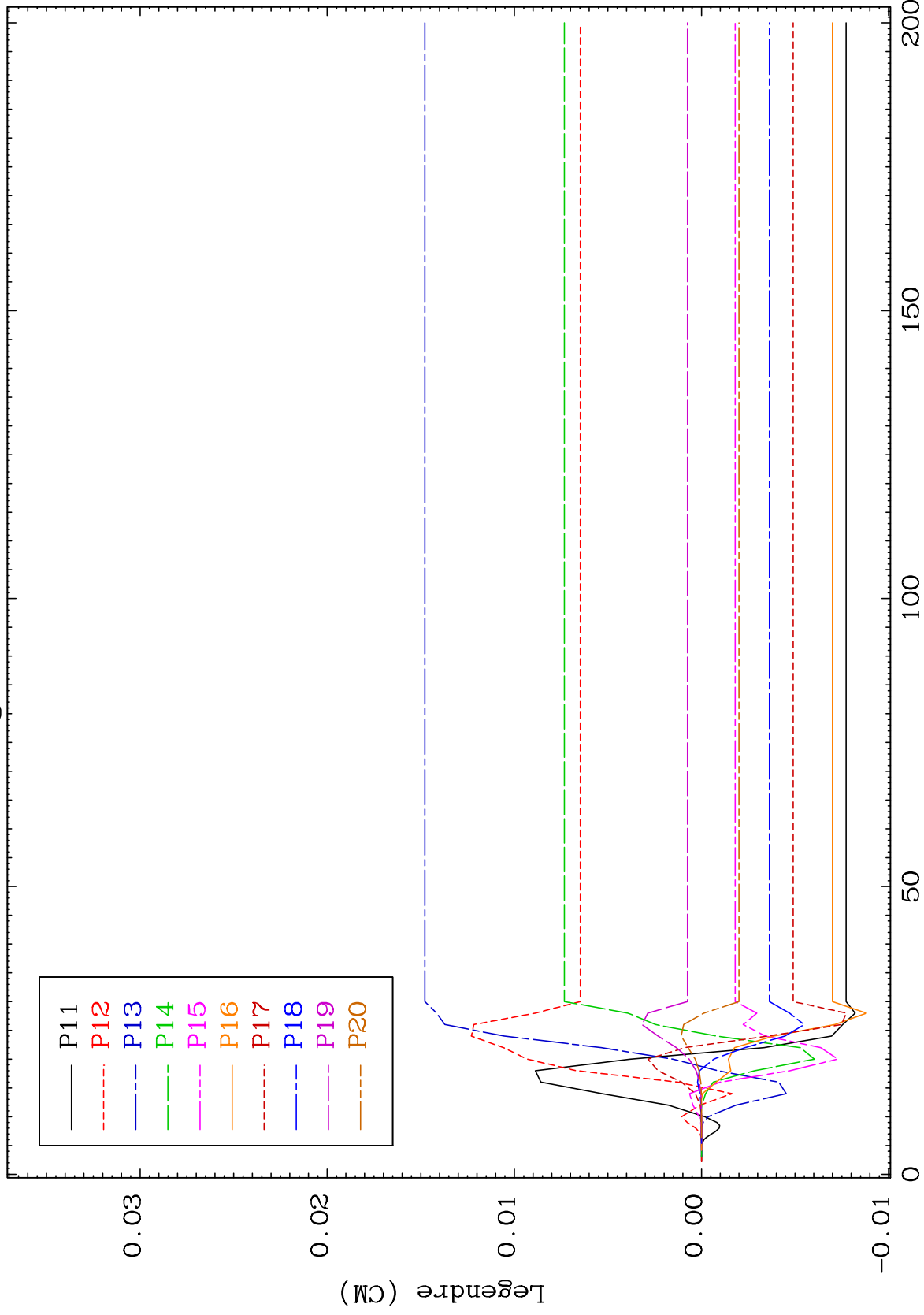
Incident Energy (MeV)

113

MAT 8204

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

82-Pb-197



114

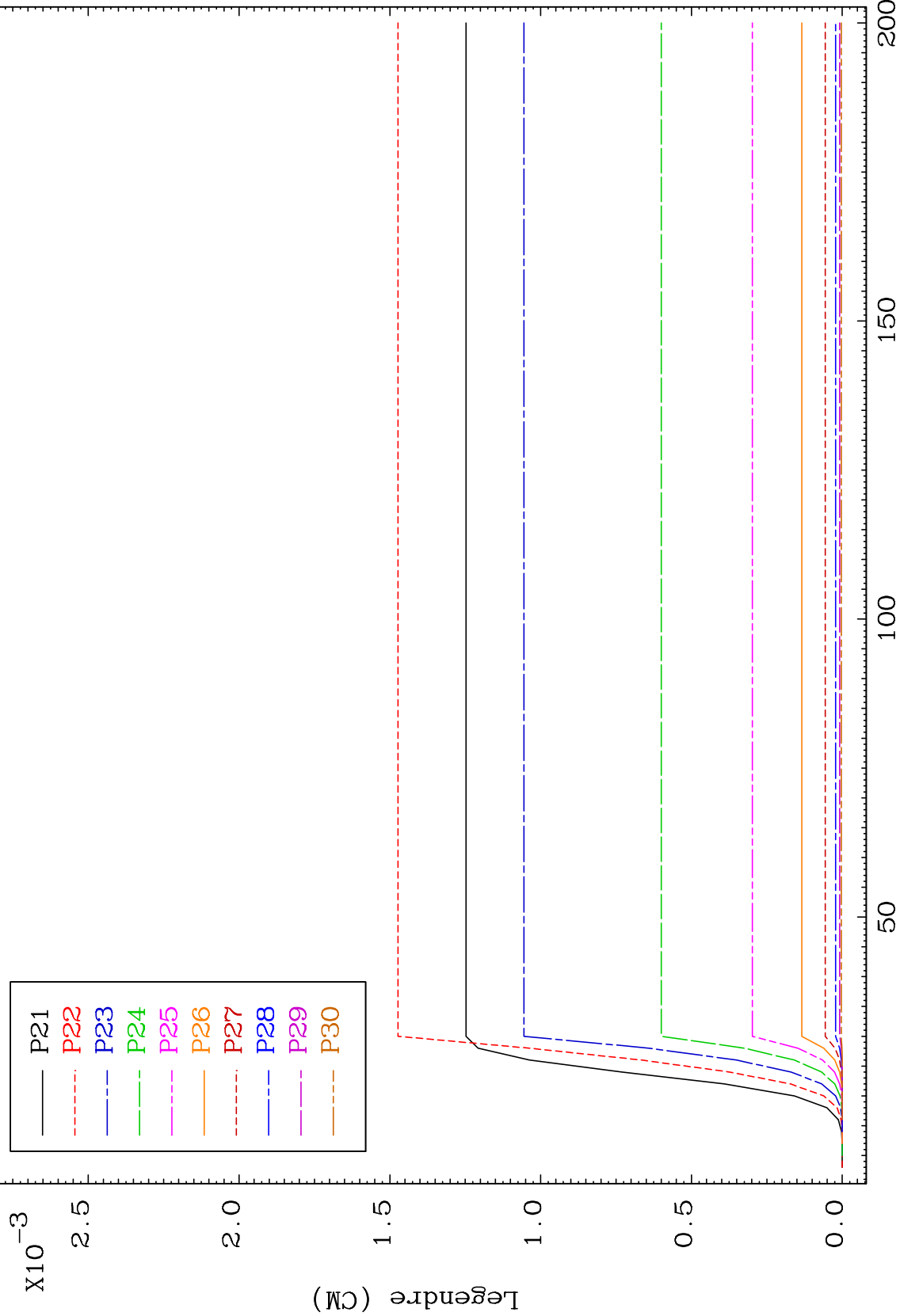
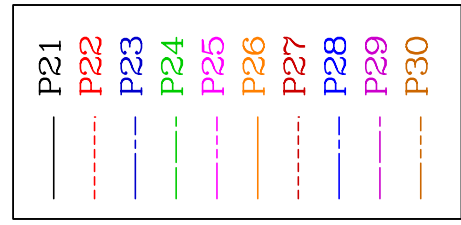
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



115

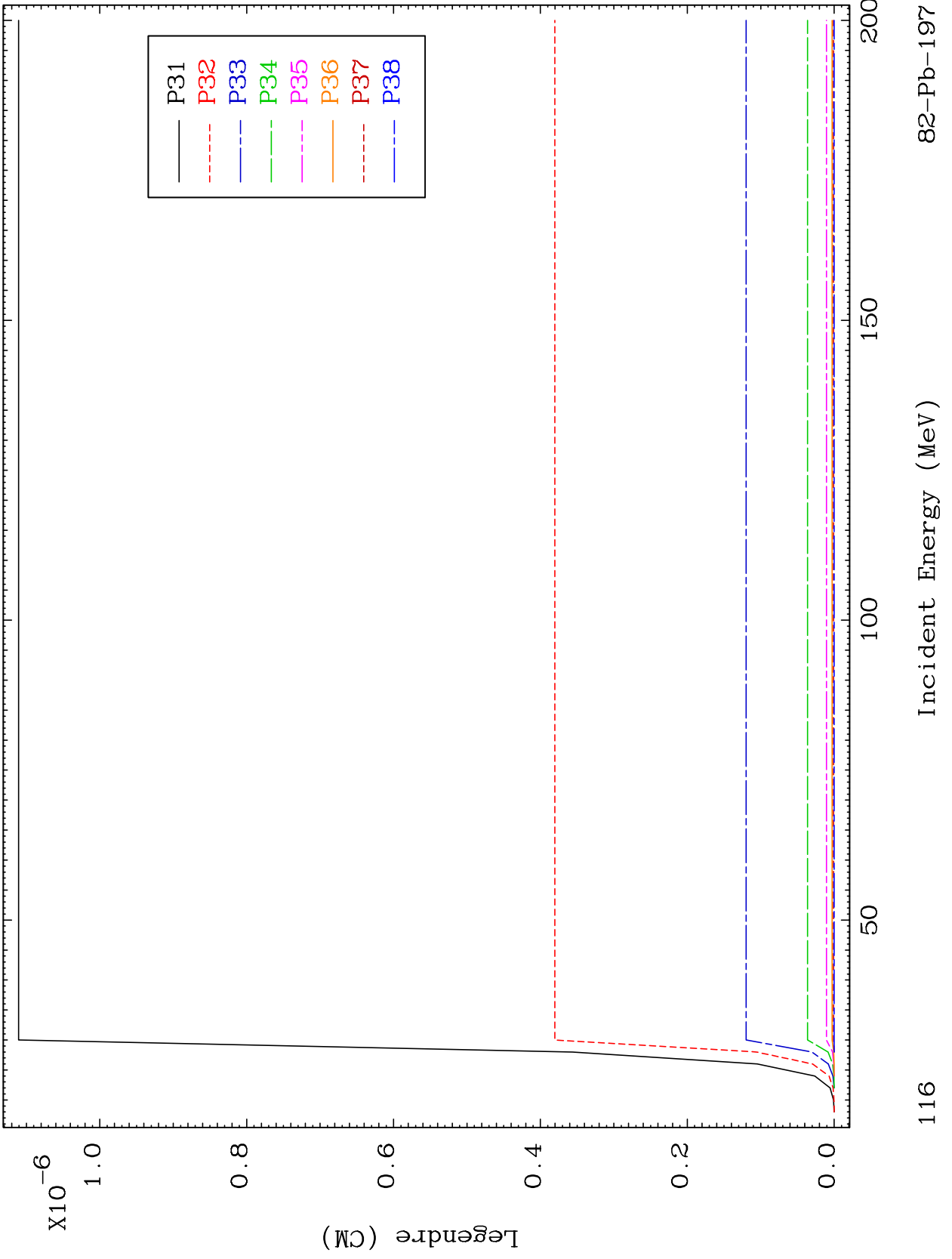
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197

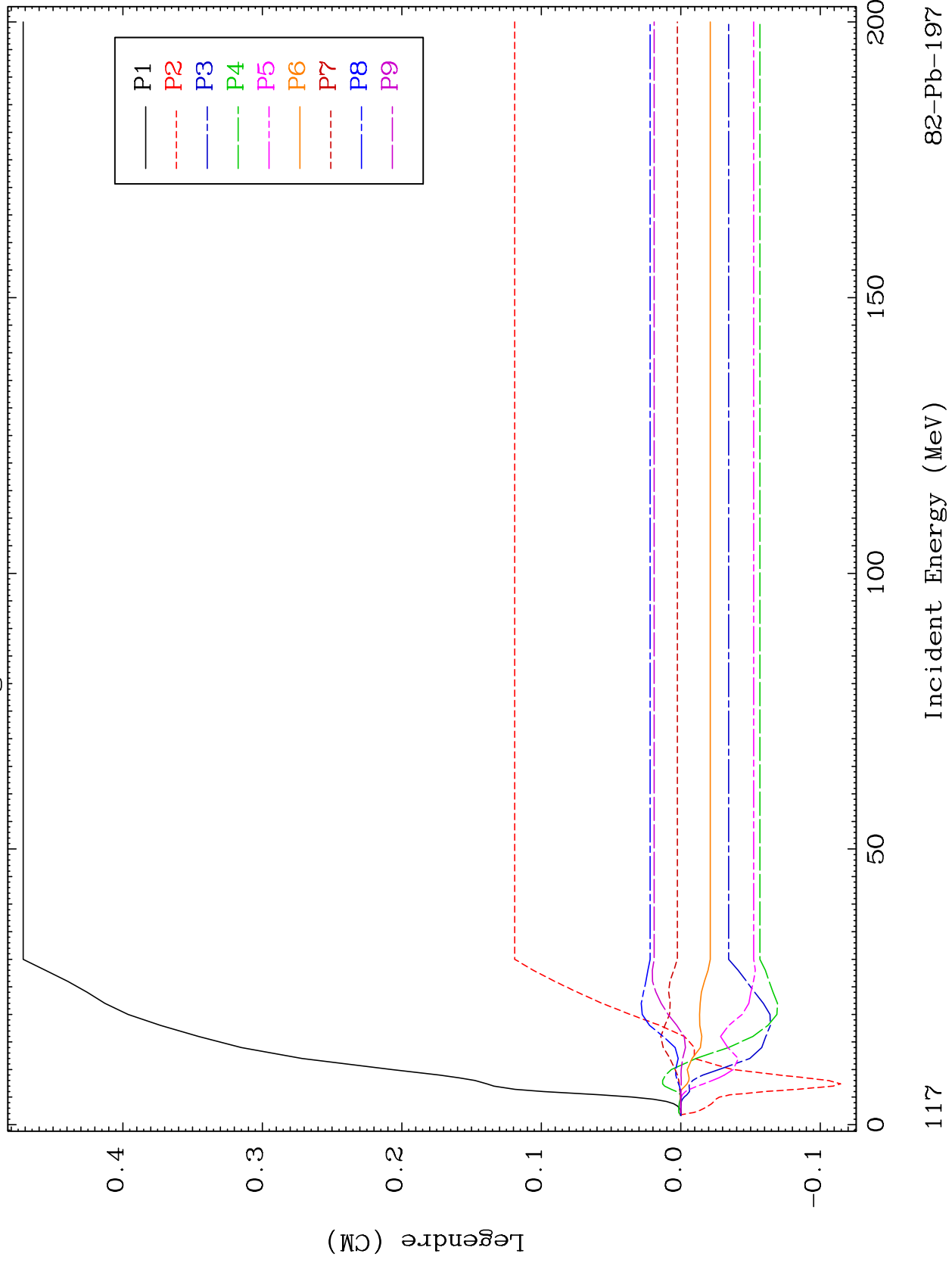


116

MAT 8204

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

82-Pb-197



82-Pb-197

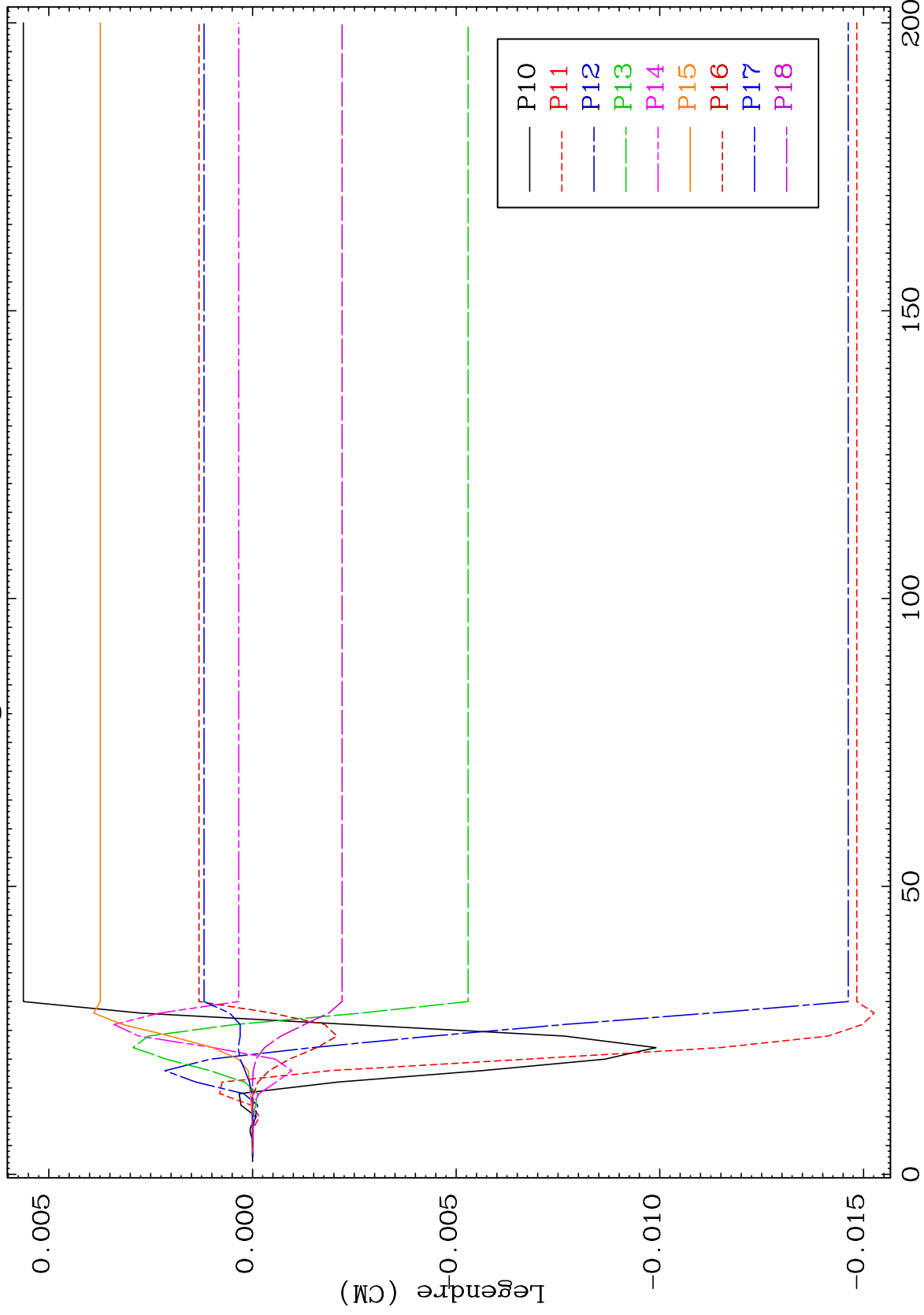
Incident Energy (MeV)

117

MAT 8204

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

82-Pb-197



118

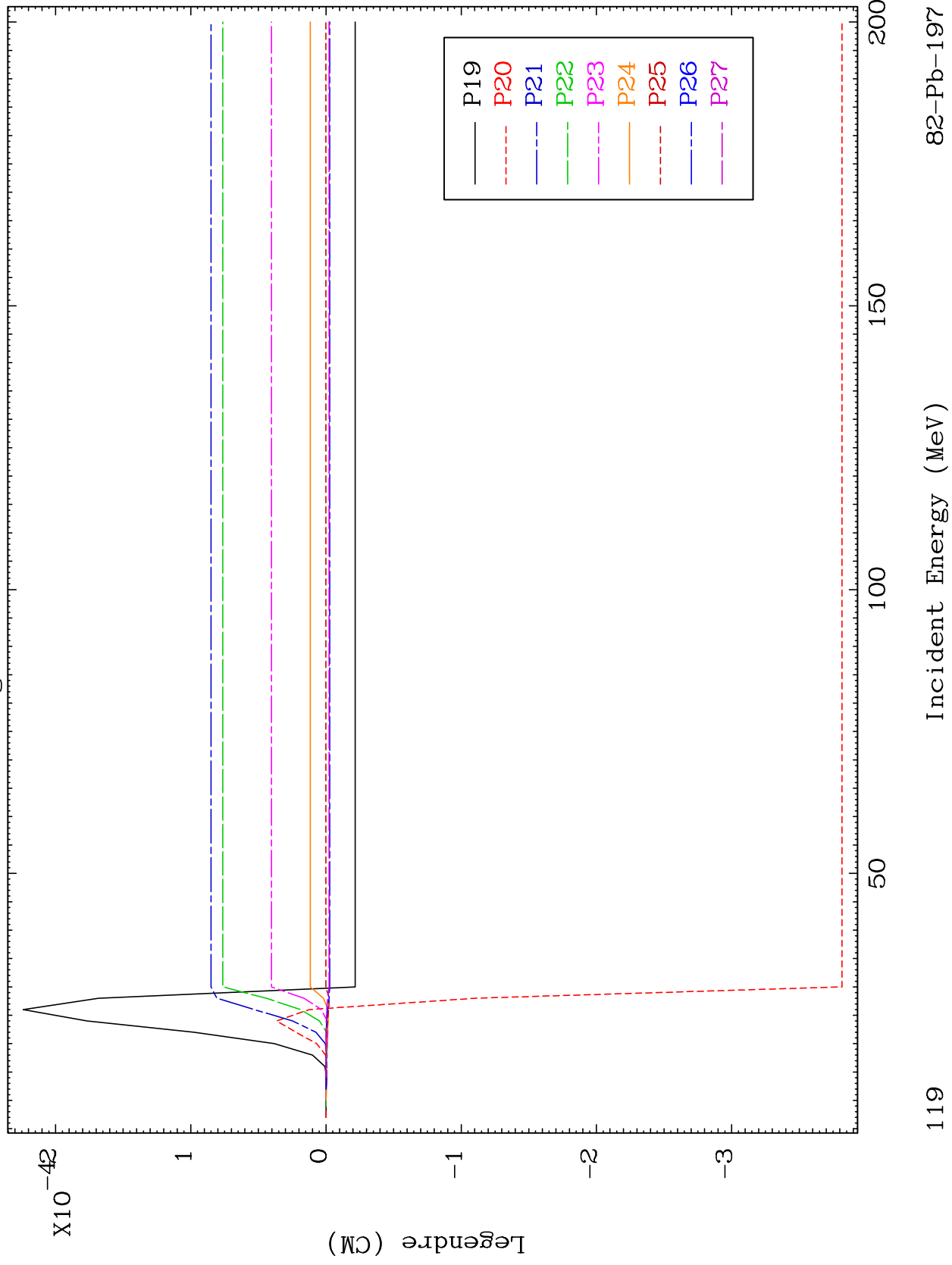
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

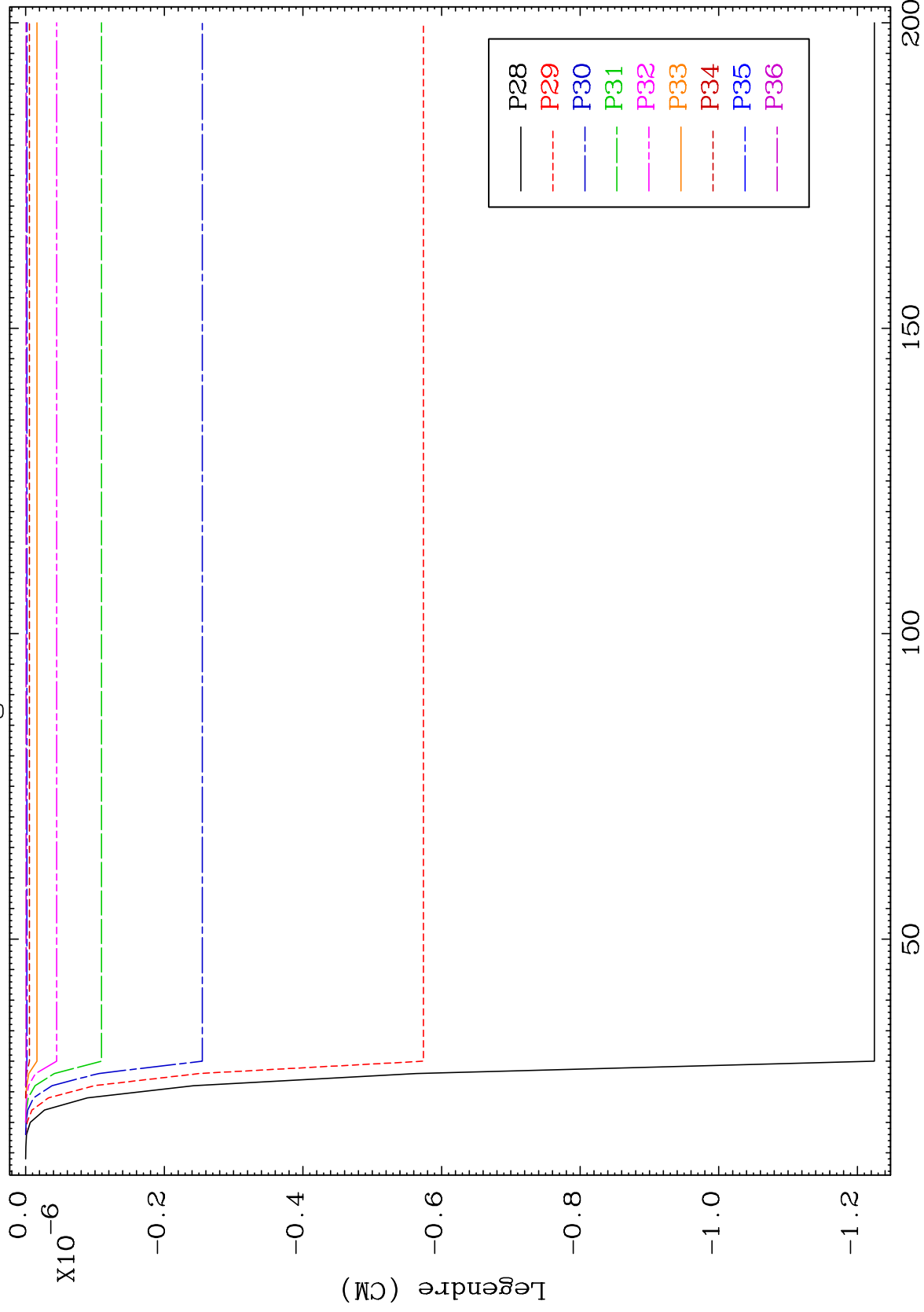
82-Pb-197



MAT 8204

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

82-Pb-197



120

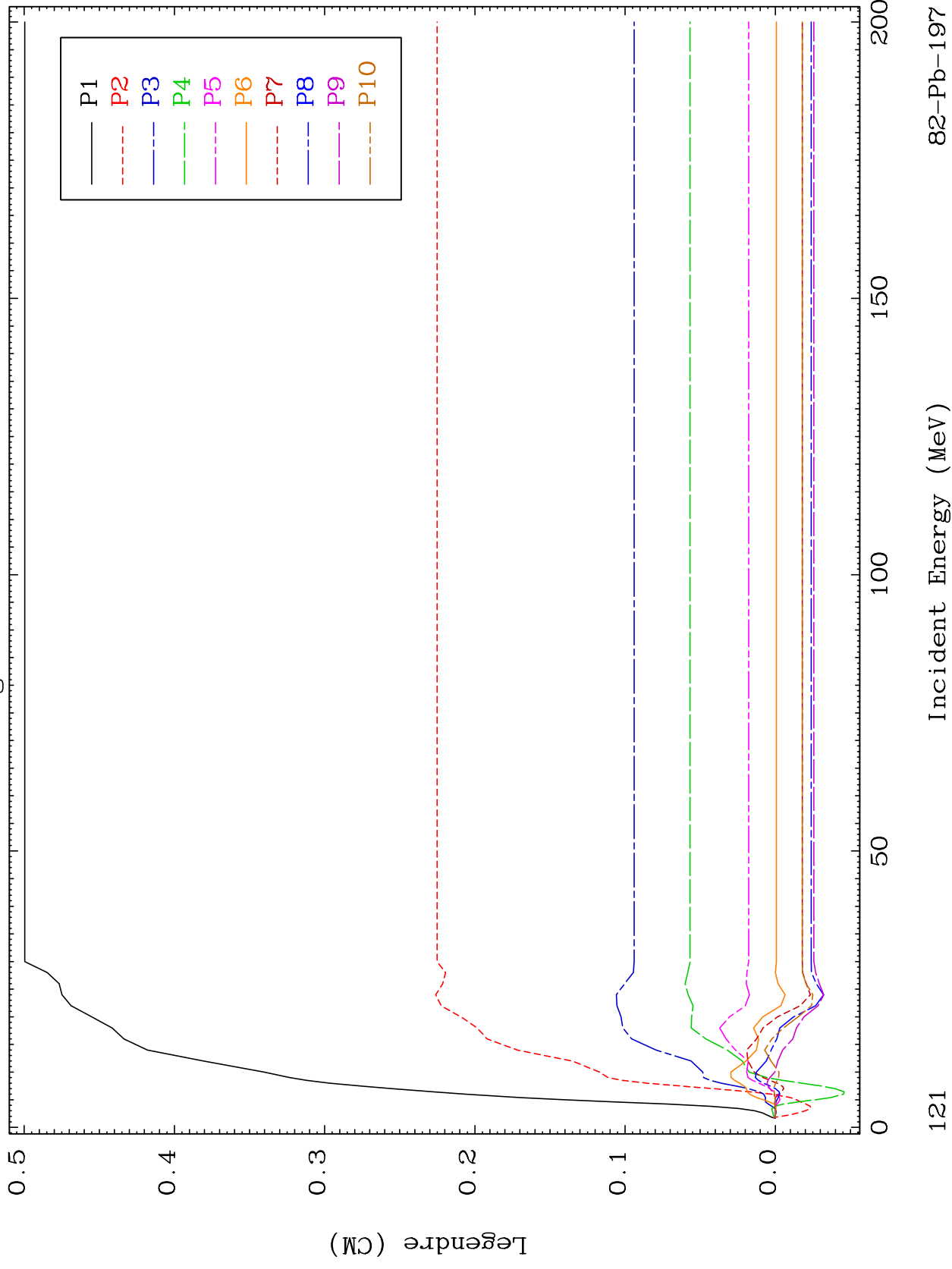
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



82-Pb-197

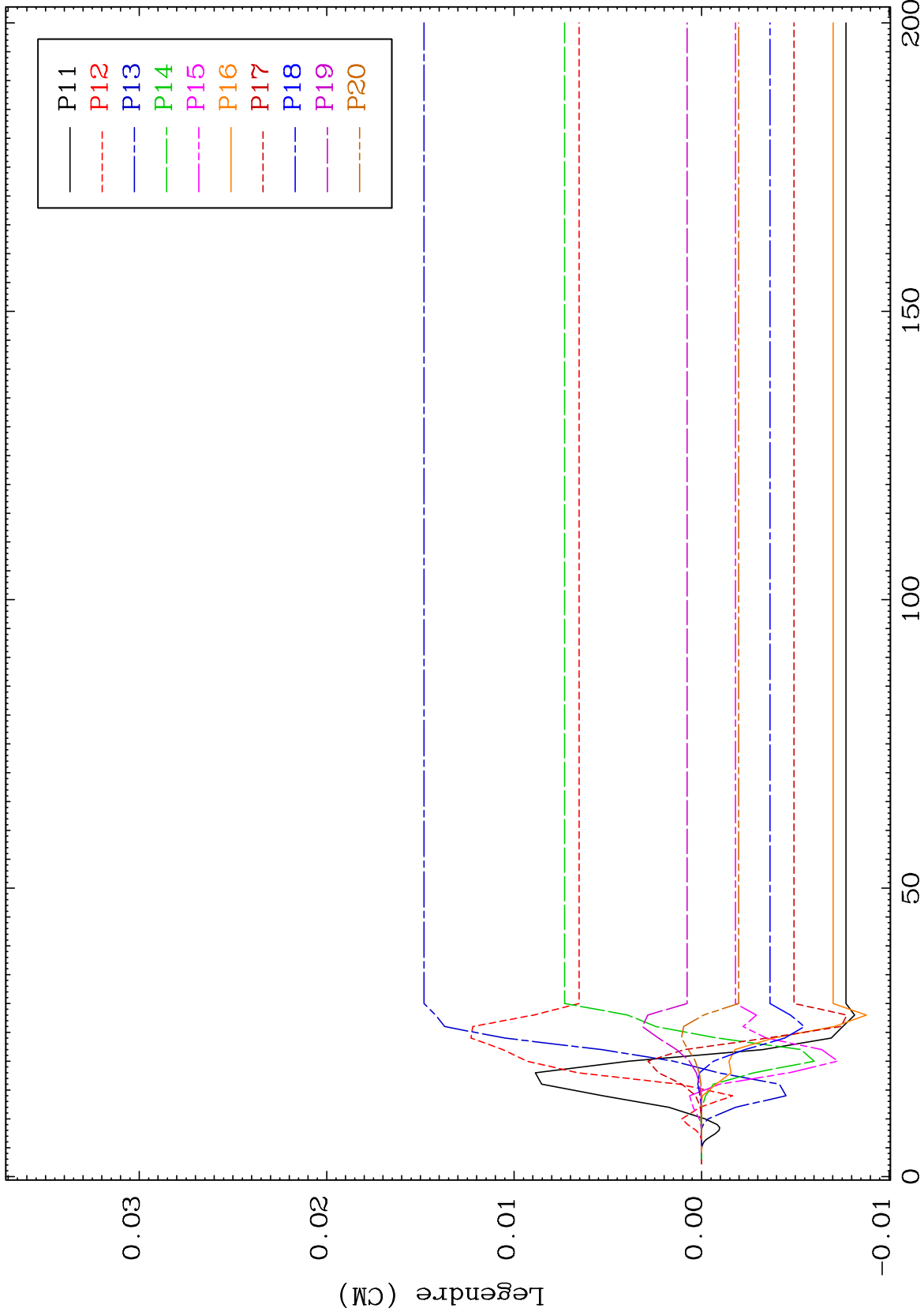
Incident Energy (MeV)

121

MAT 8204

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

82-Pb-197



122

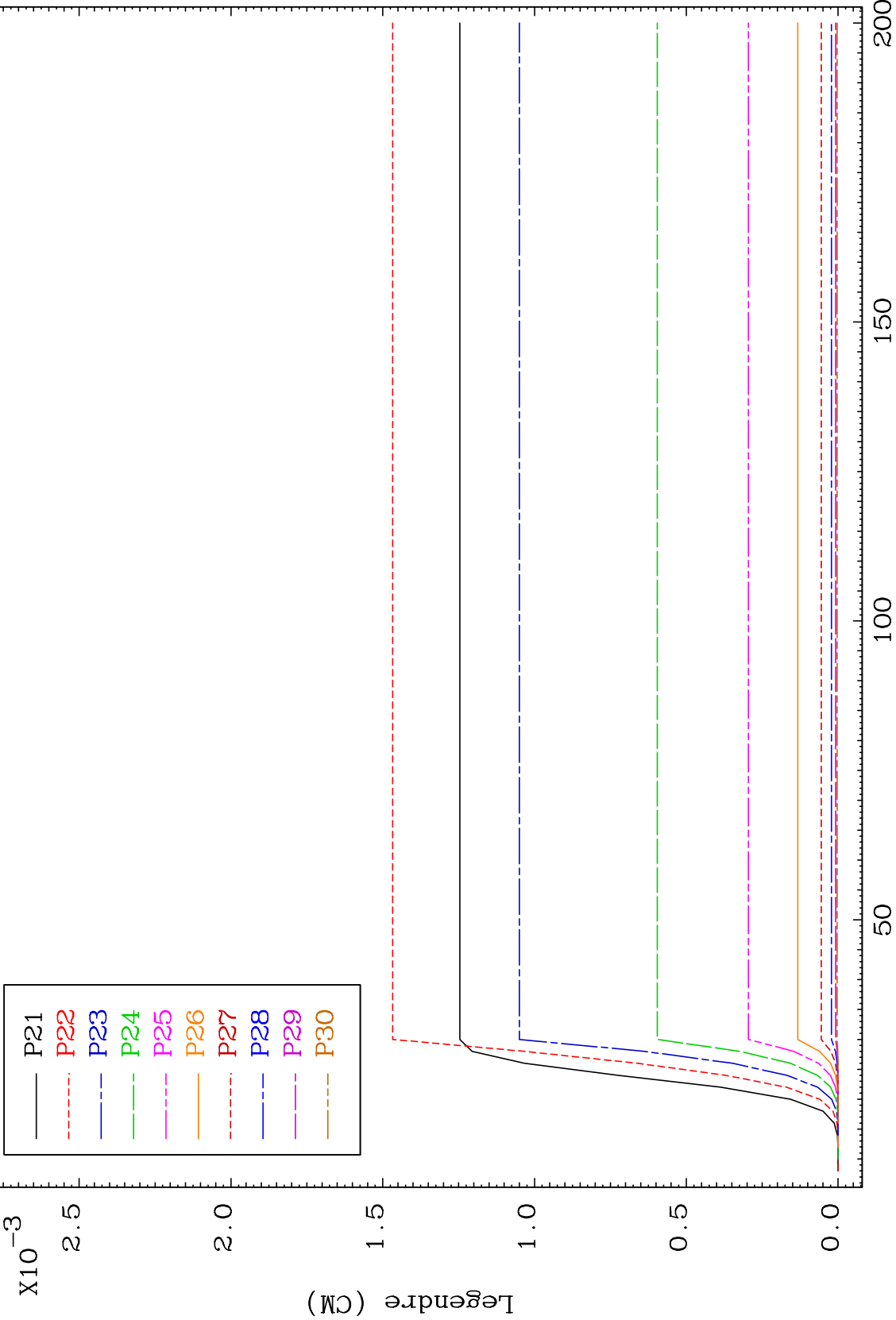
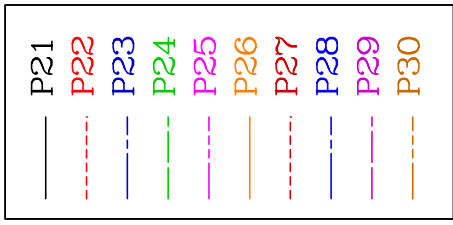
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



123

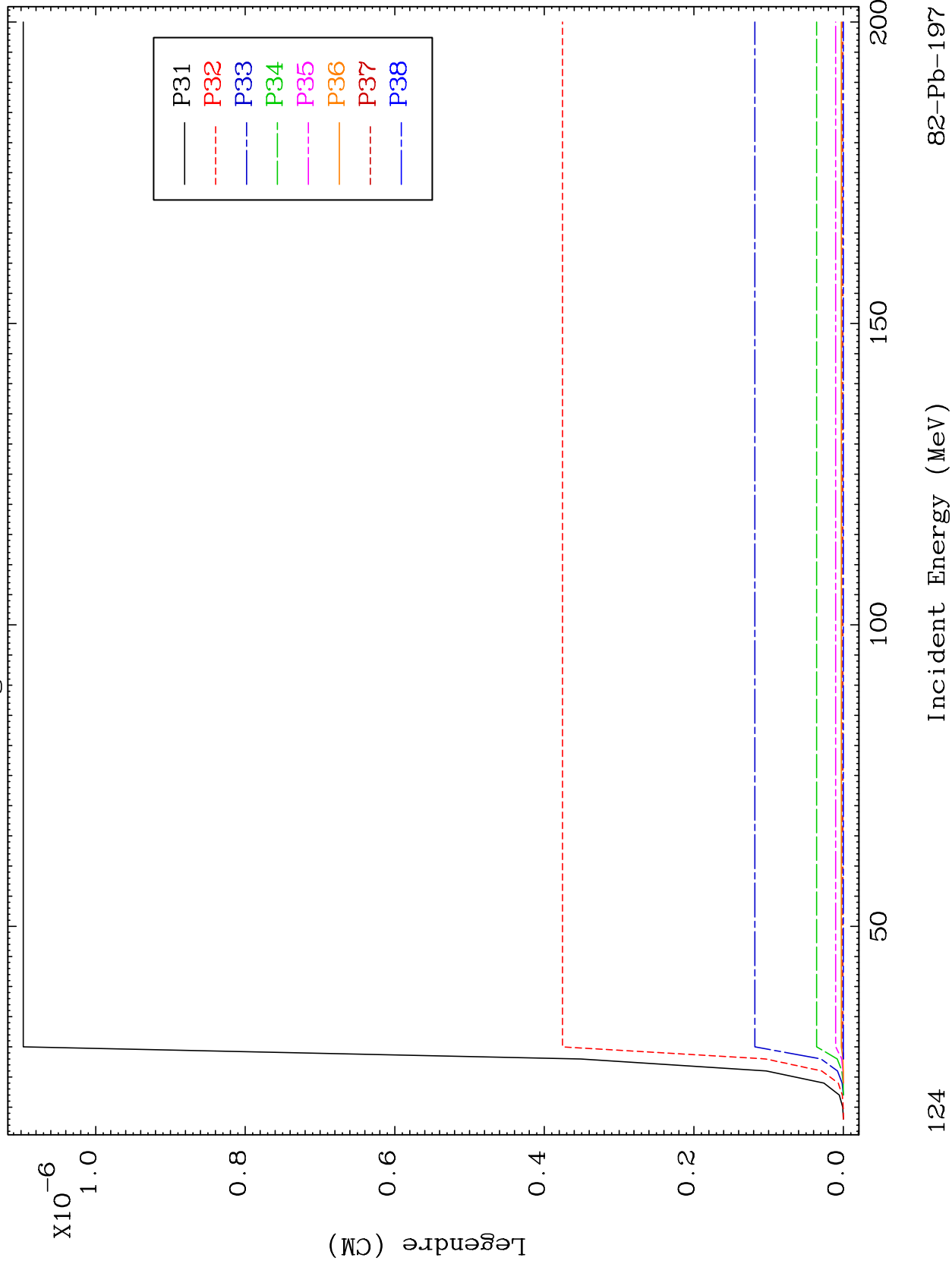
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

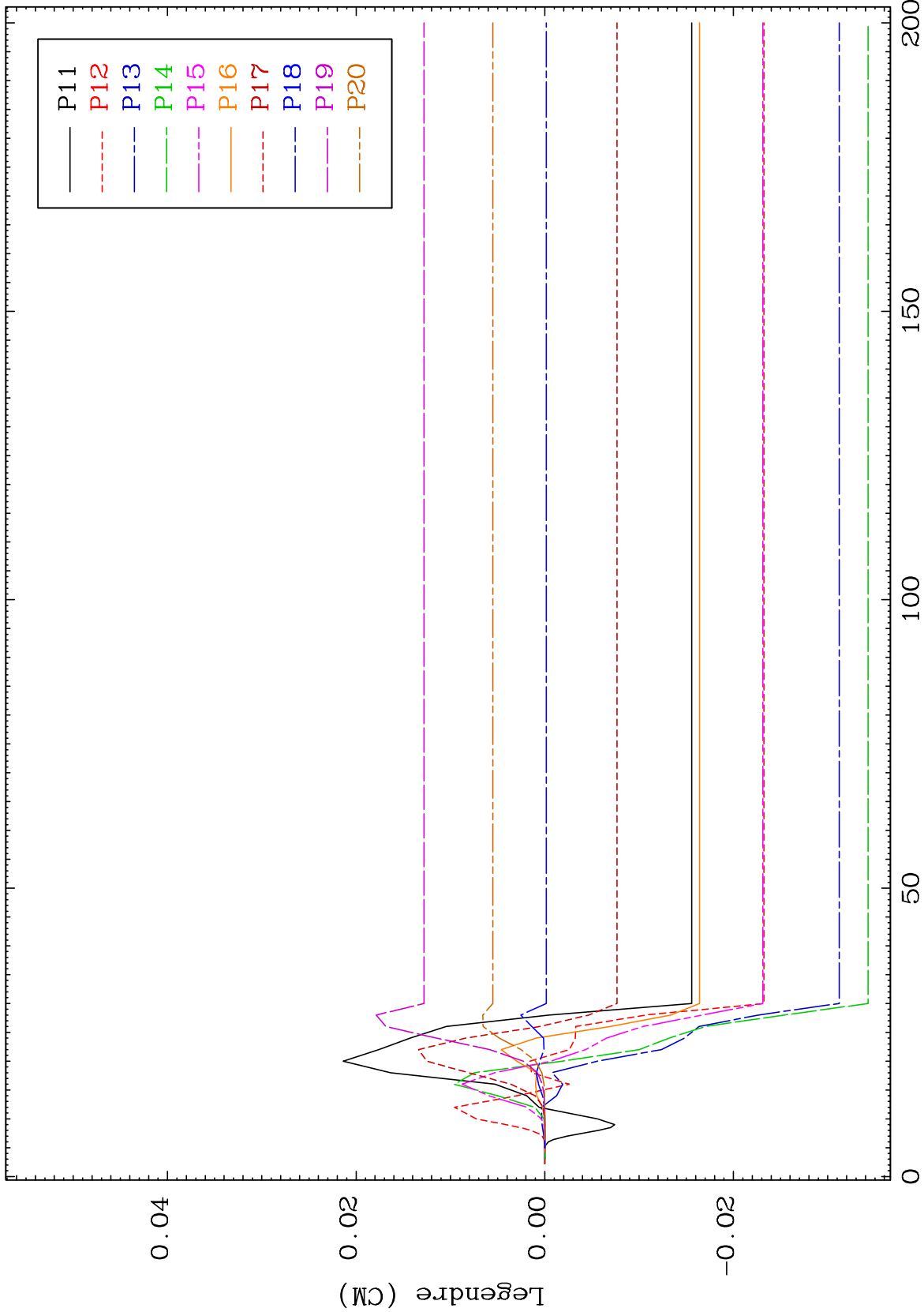
82-Pb-197



MAT 8204

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

82-Pb-197



126

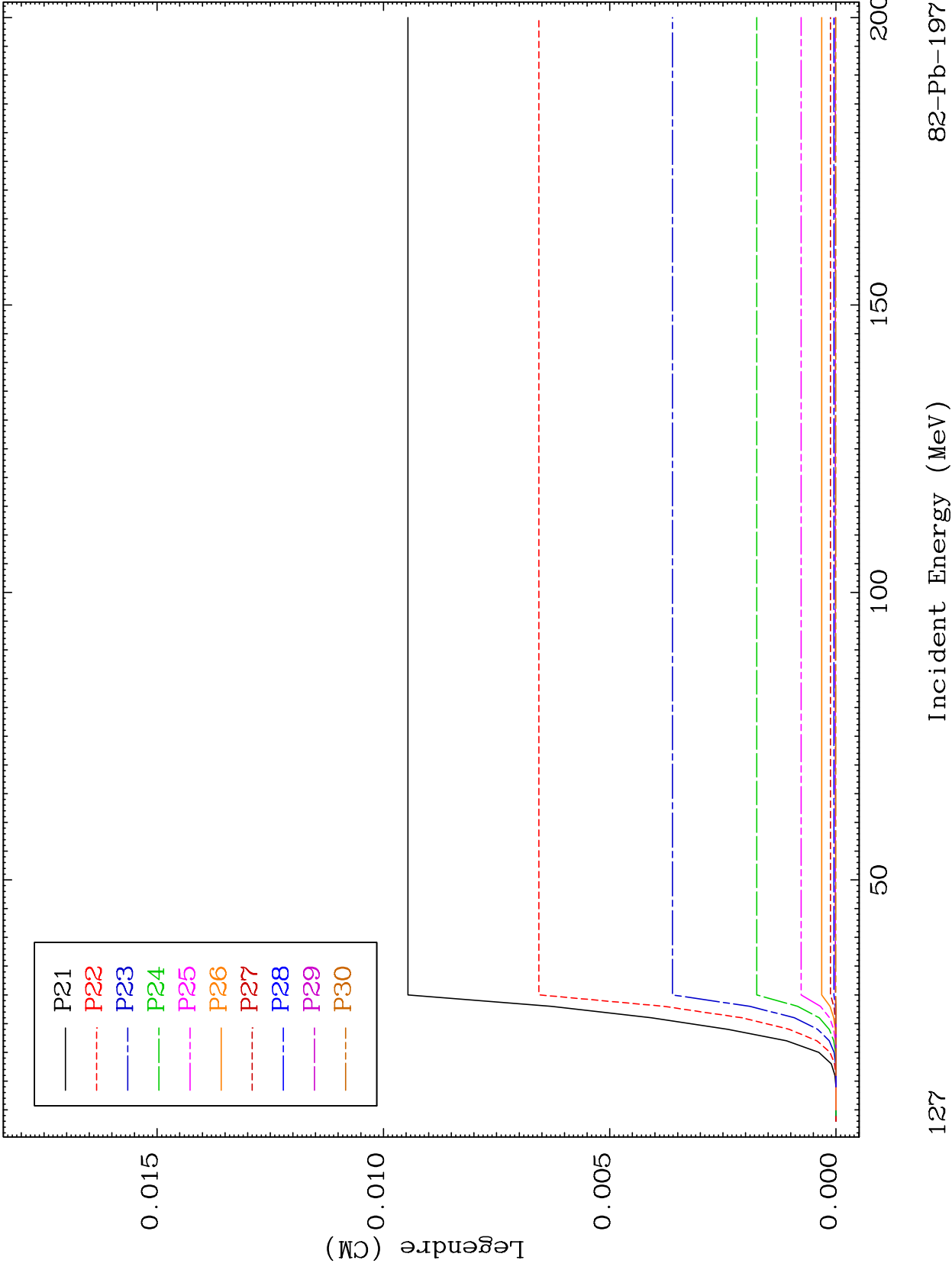
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



127

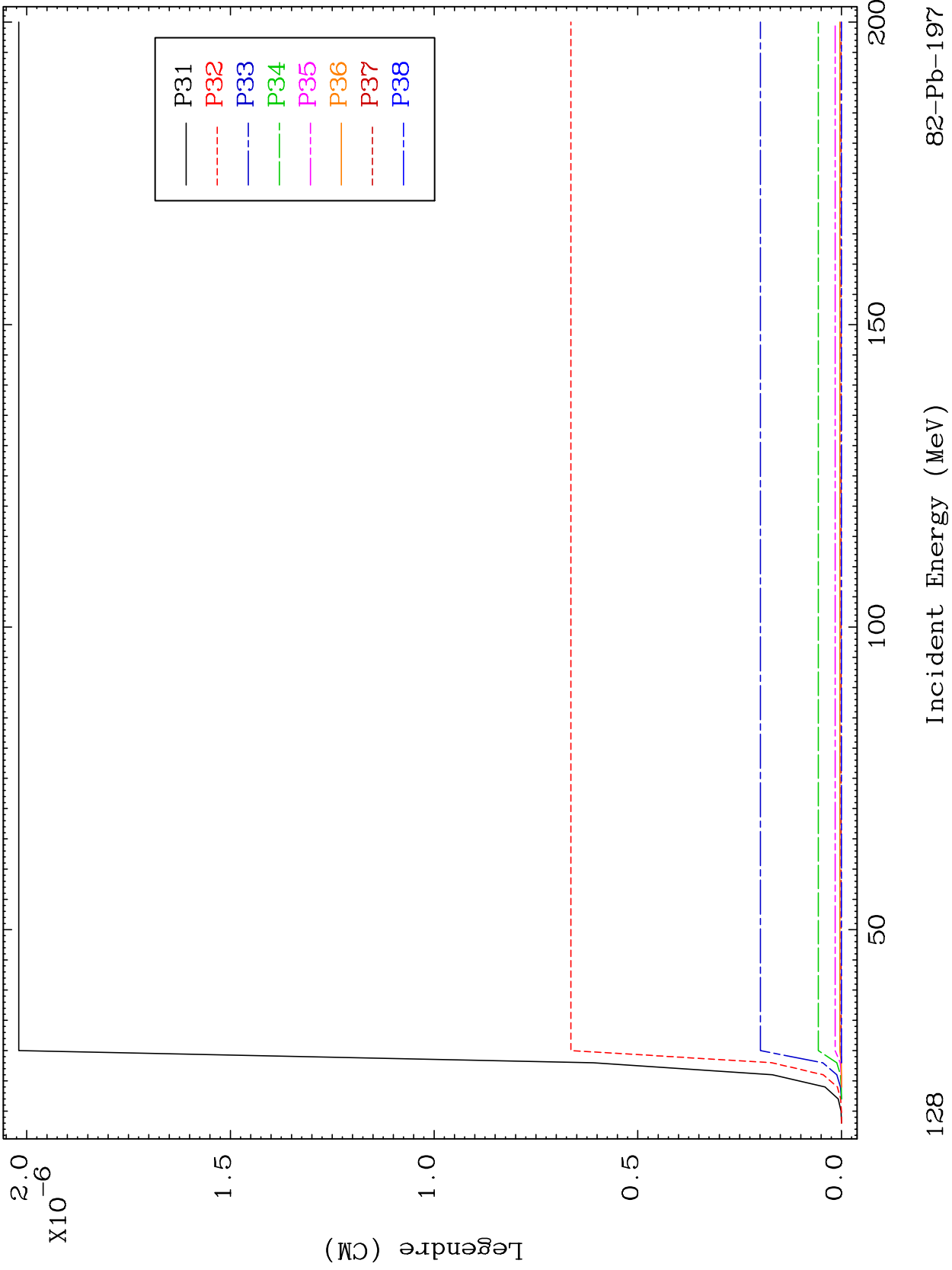
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

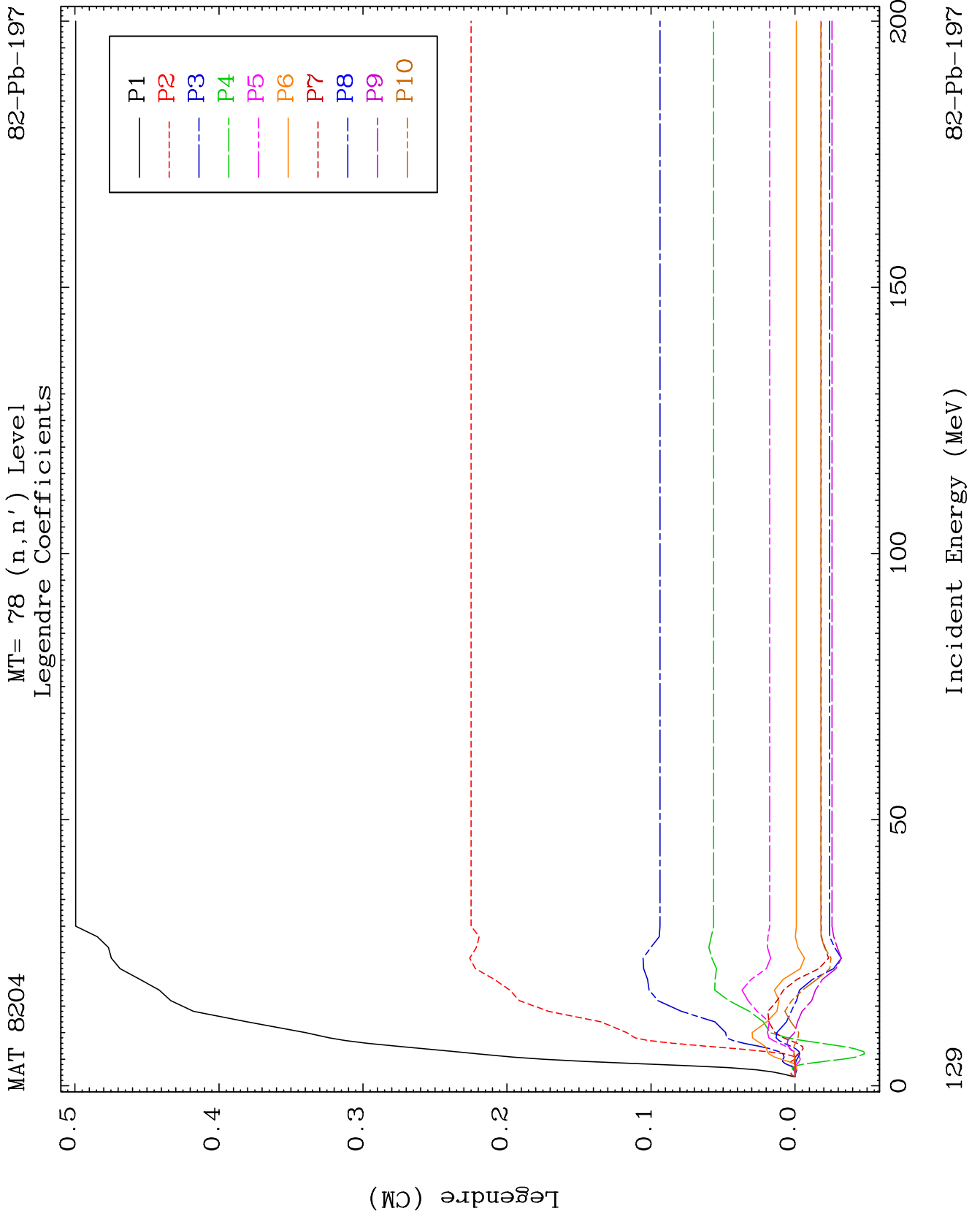
82-Pb-197



128

Incident Energy (MeV)

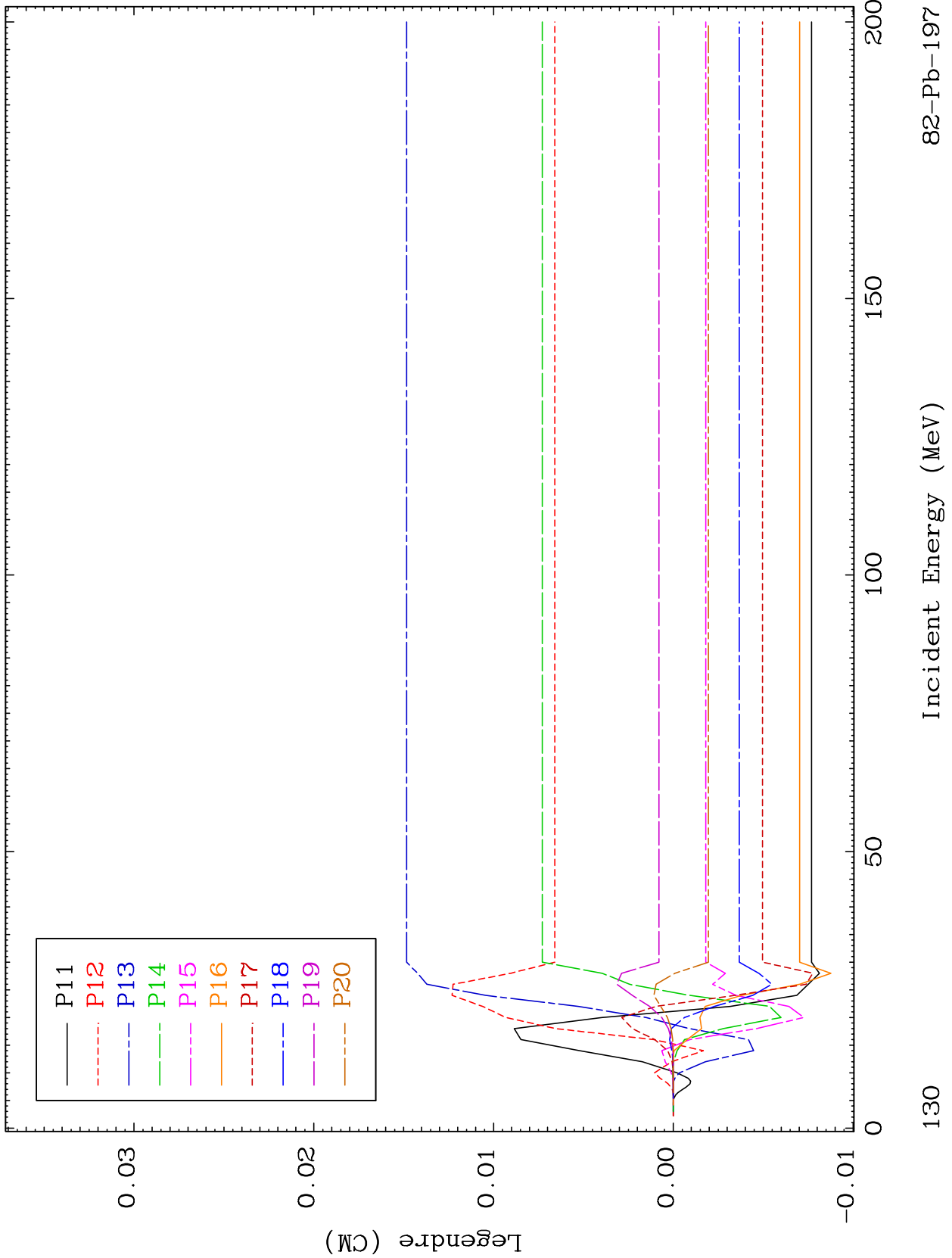
82-Pb-197



MAT 8204

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

82-Pb-197

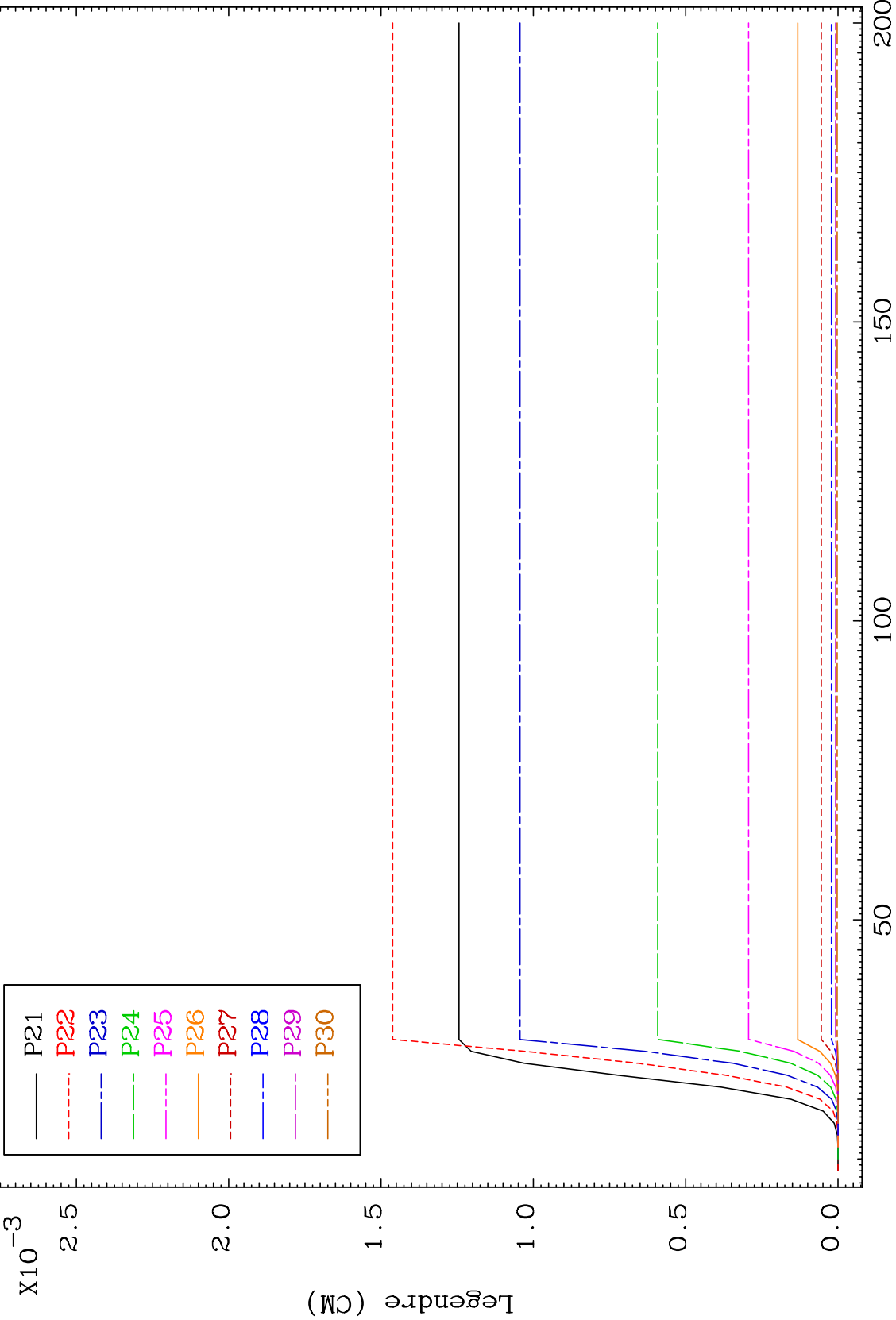
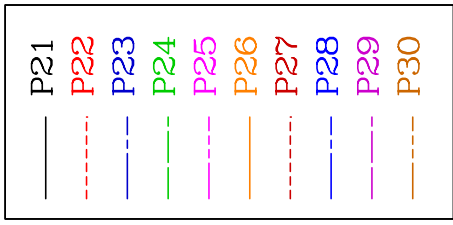


82-Pb-197

MAT 8204

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

82-Pb-197



131

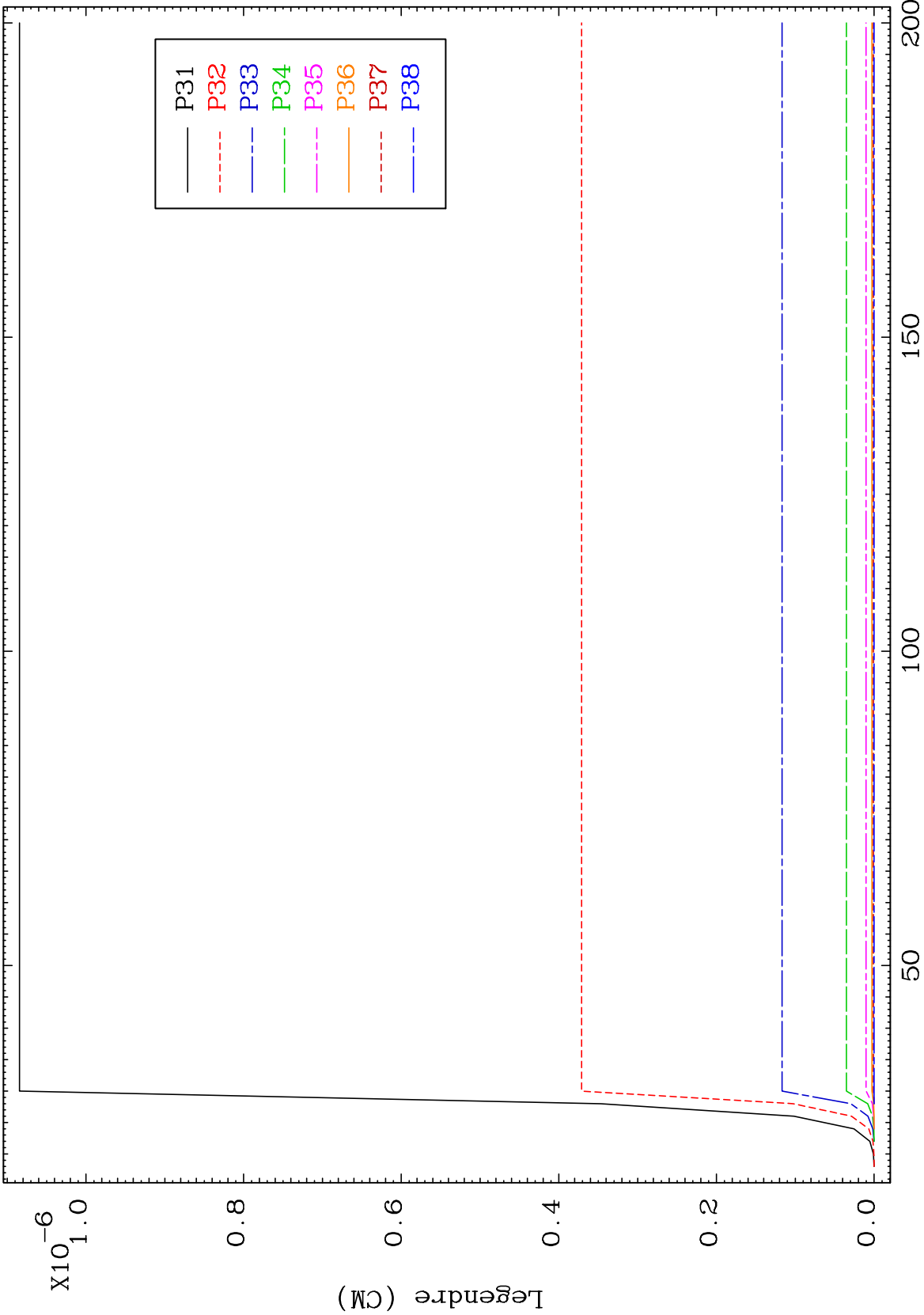
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



132

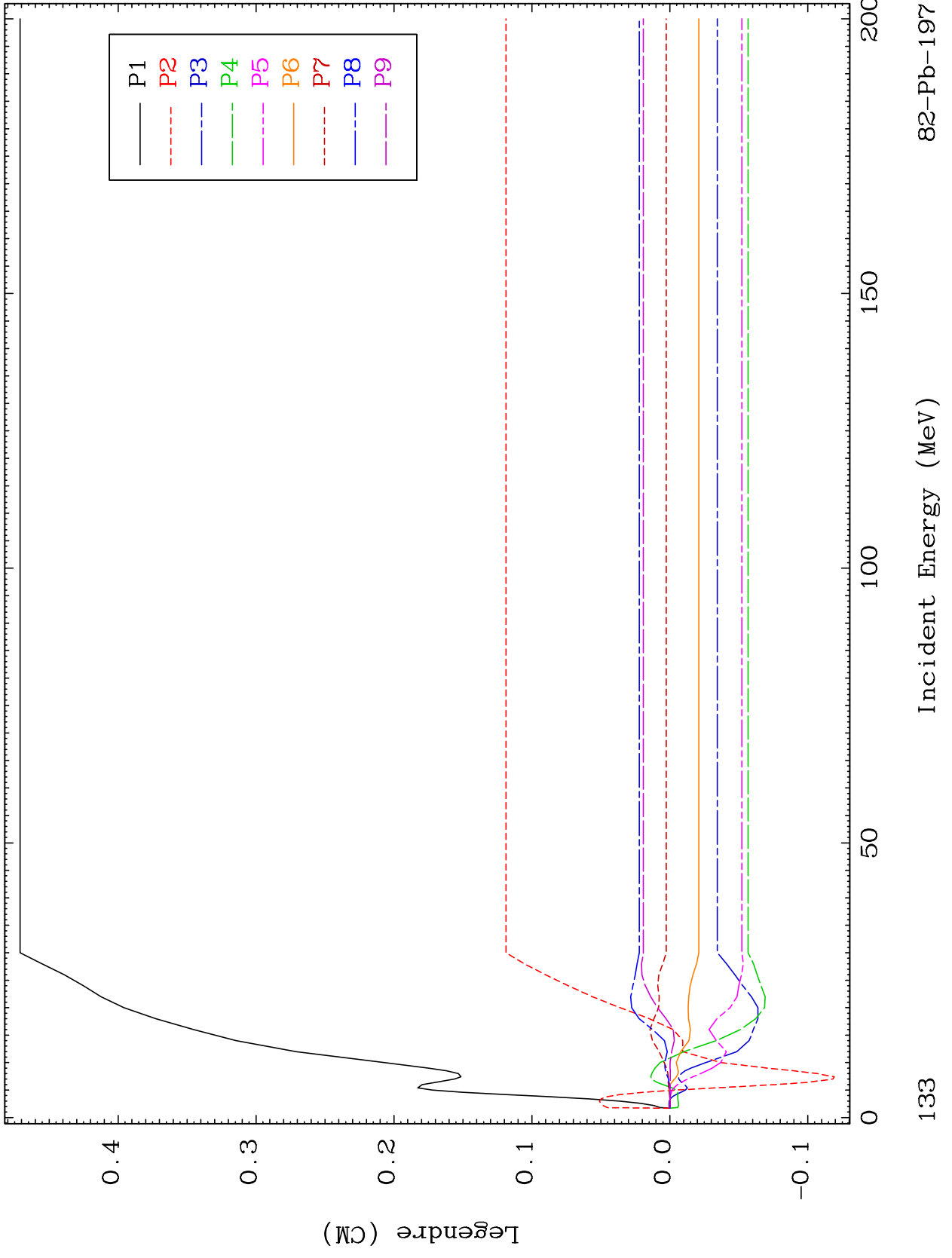
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



133

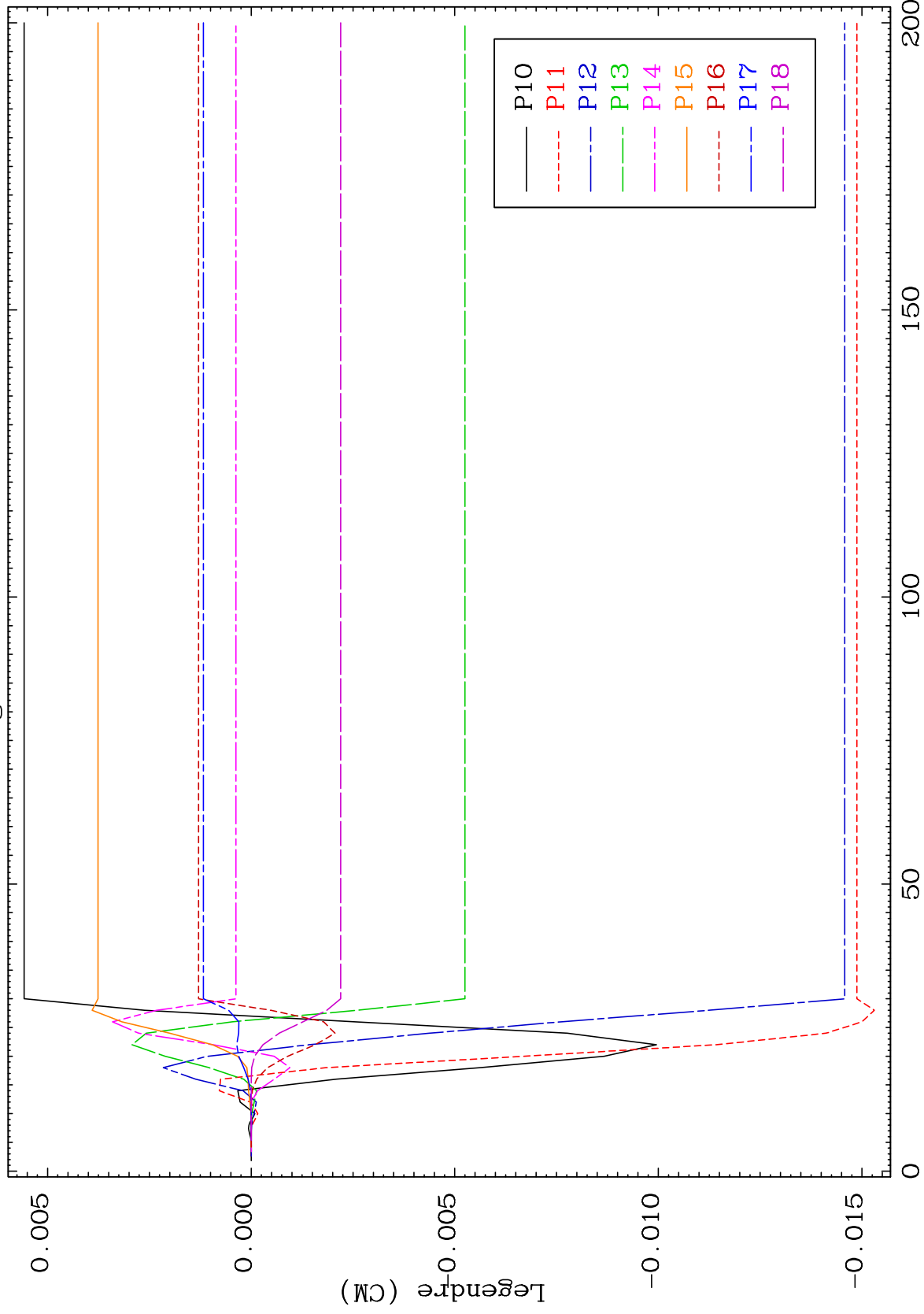
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



134

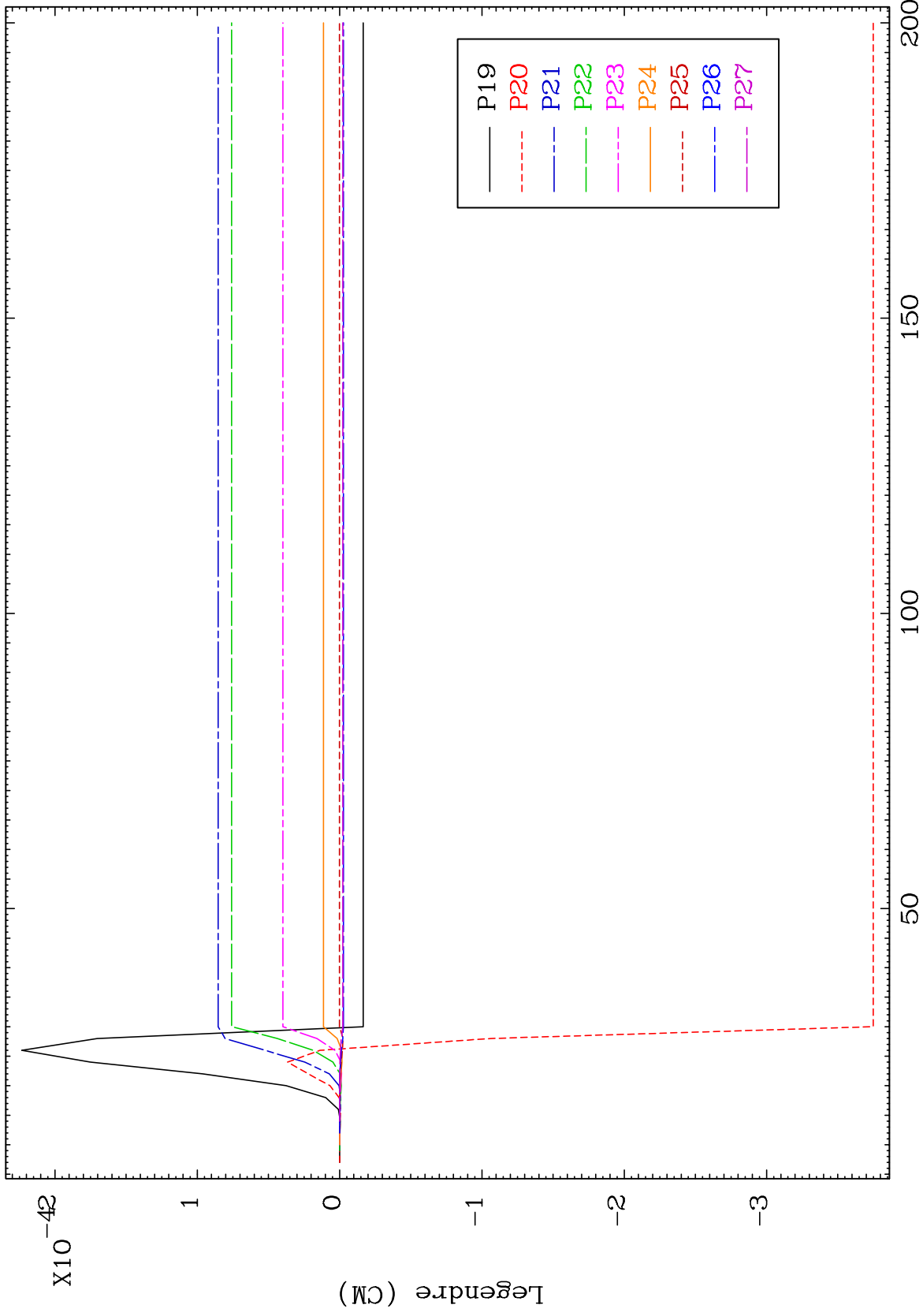
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



135

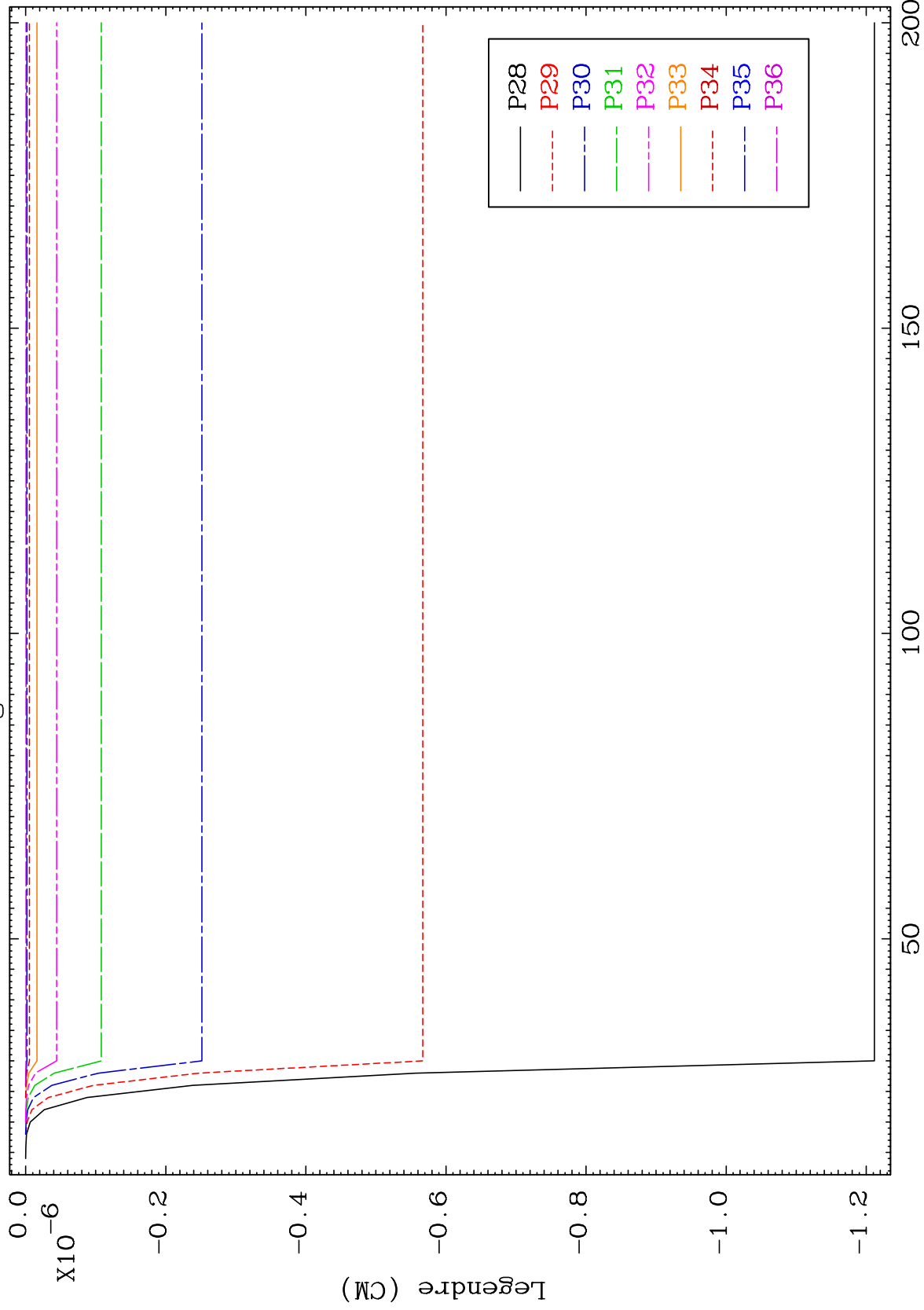
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



136

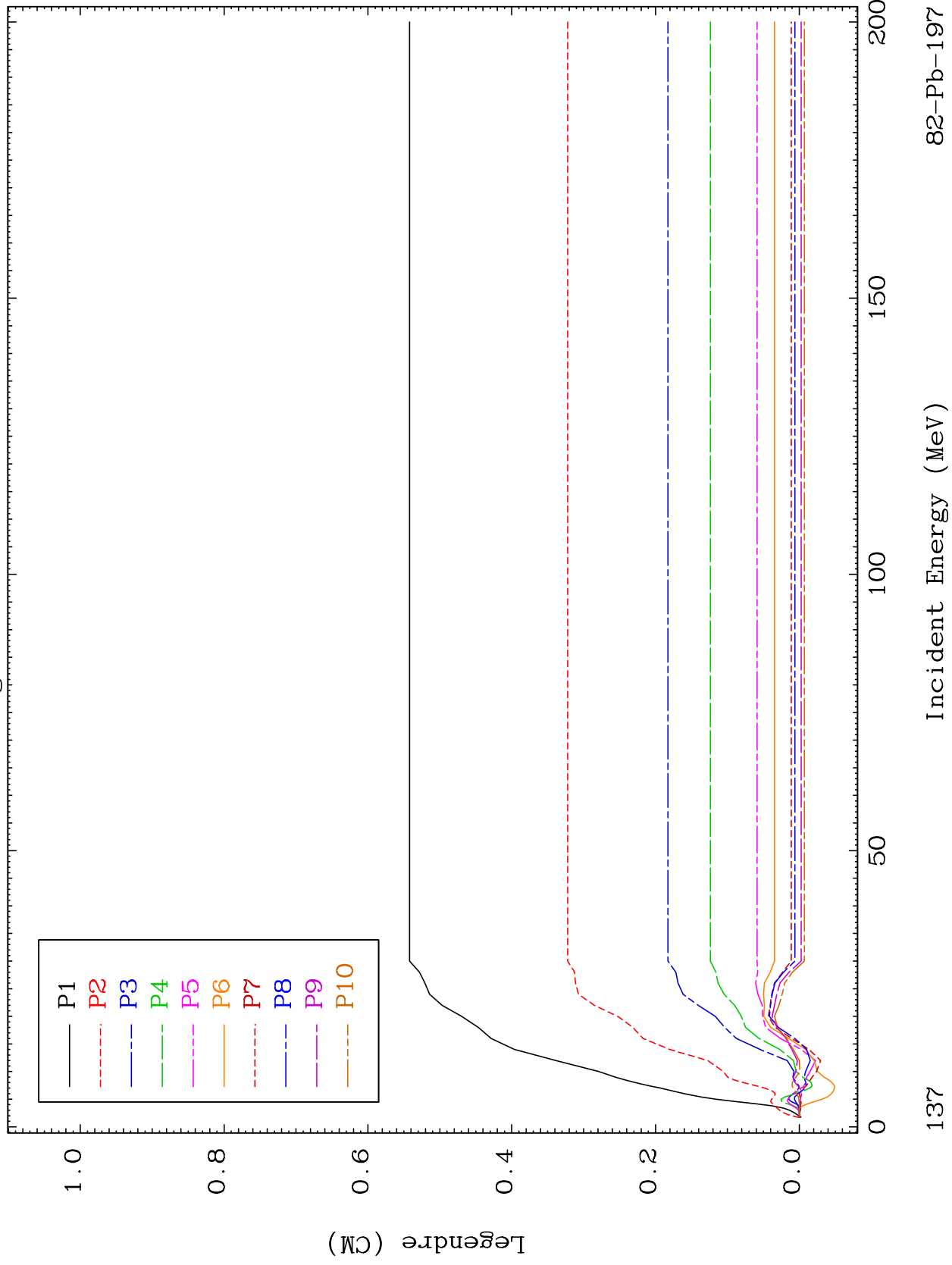
Incident Energy (MeV)

82-Pb-197

MAT 8204

MT= 80 (n,n') Level
Legendre Coefficients

82-Pb-197



137

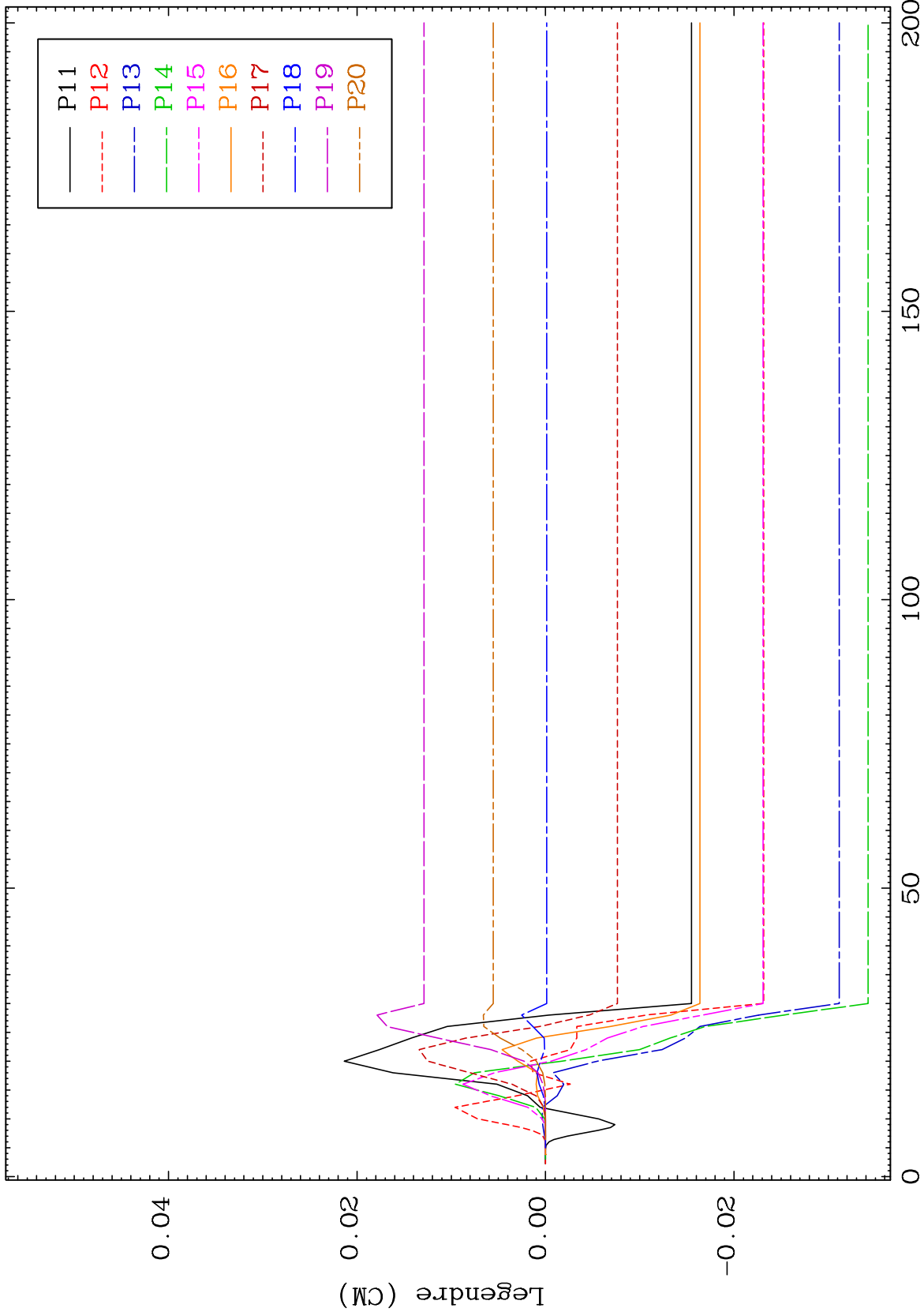
Incident Energy (MeV)

82-Pb-197

MAT 8204

MT= 80 (n,n') Level Legendre Coefficients

82-Pb-197



138

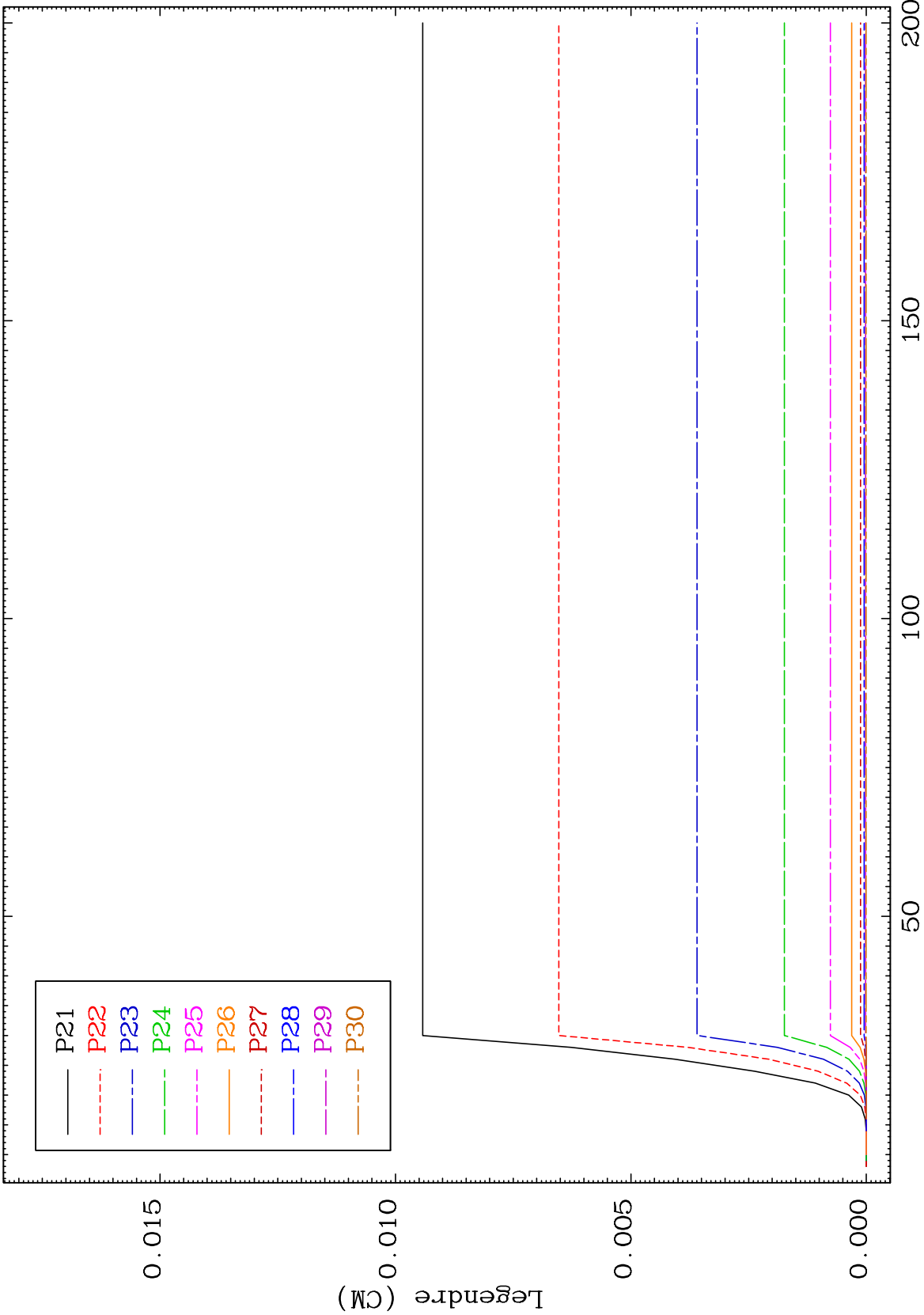
Incident Energy (MeV)

82-Pb-197

MAT 8204

MT= 80 (n,n') Level
Legendre Coefficients

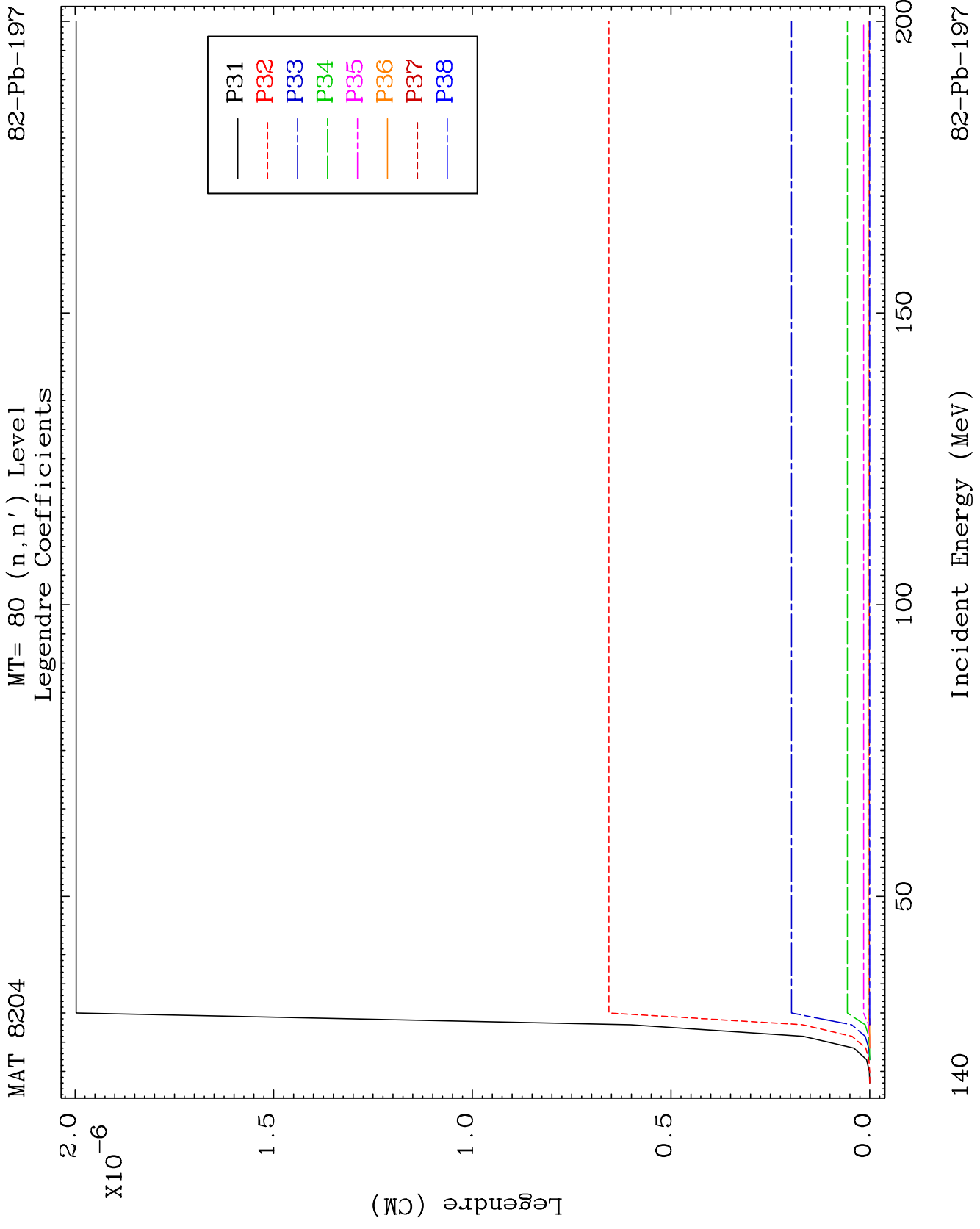
82-Pb-197



139

Incident Energy (MeV)

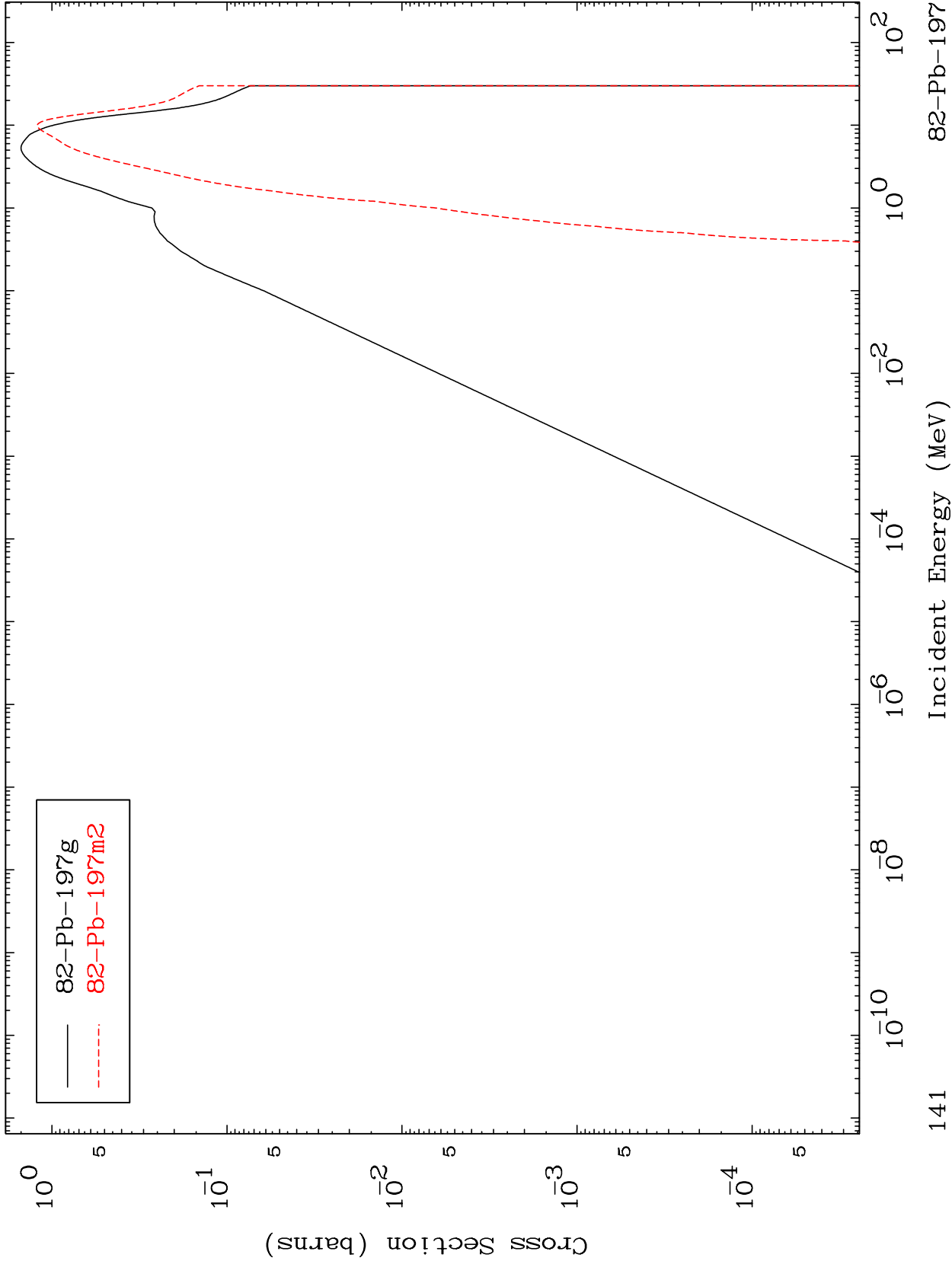
82-Pb-197



MAT 8204

Inelastic
Radionuclide Production Cross Section

82-Pb-197

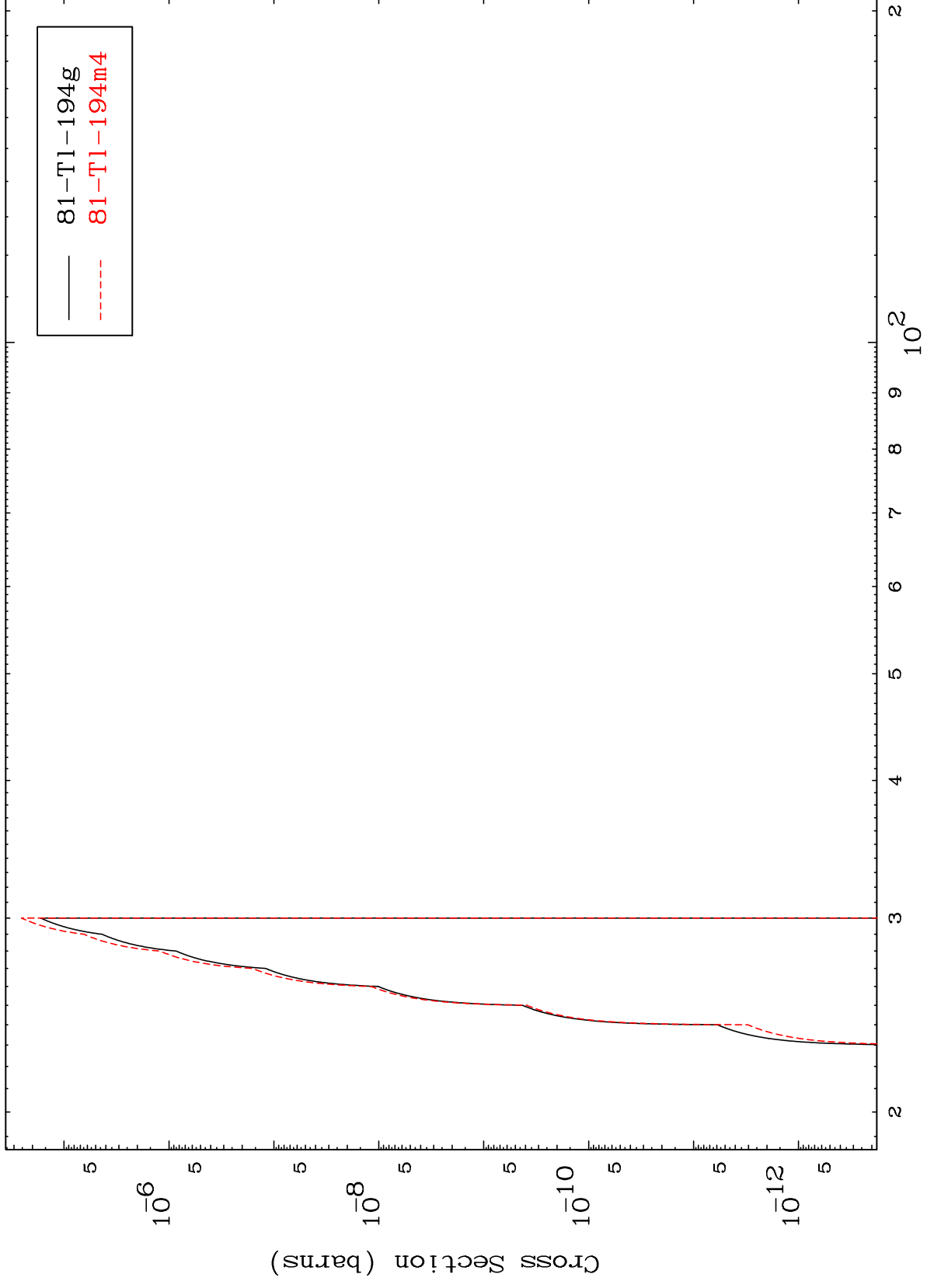


MAT 8204

(n,2n) d

82-Pb-197

Radionuclide Production Cross Section



142

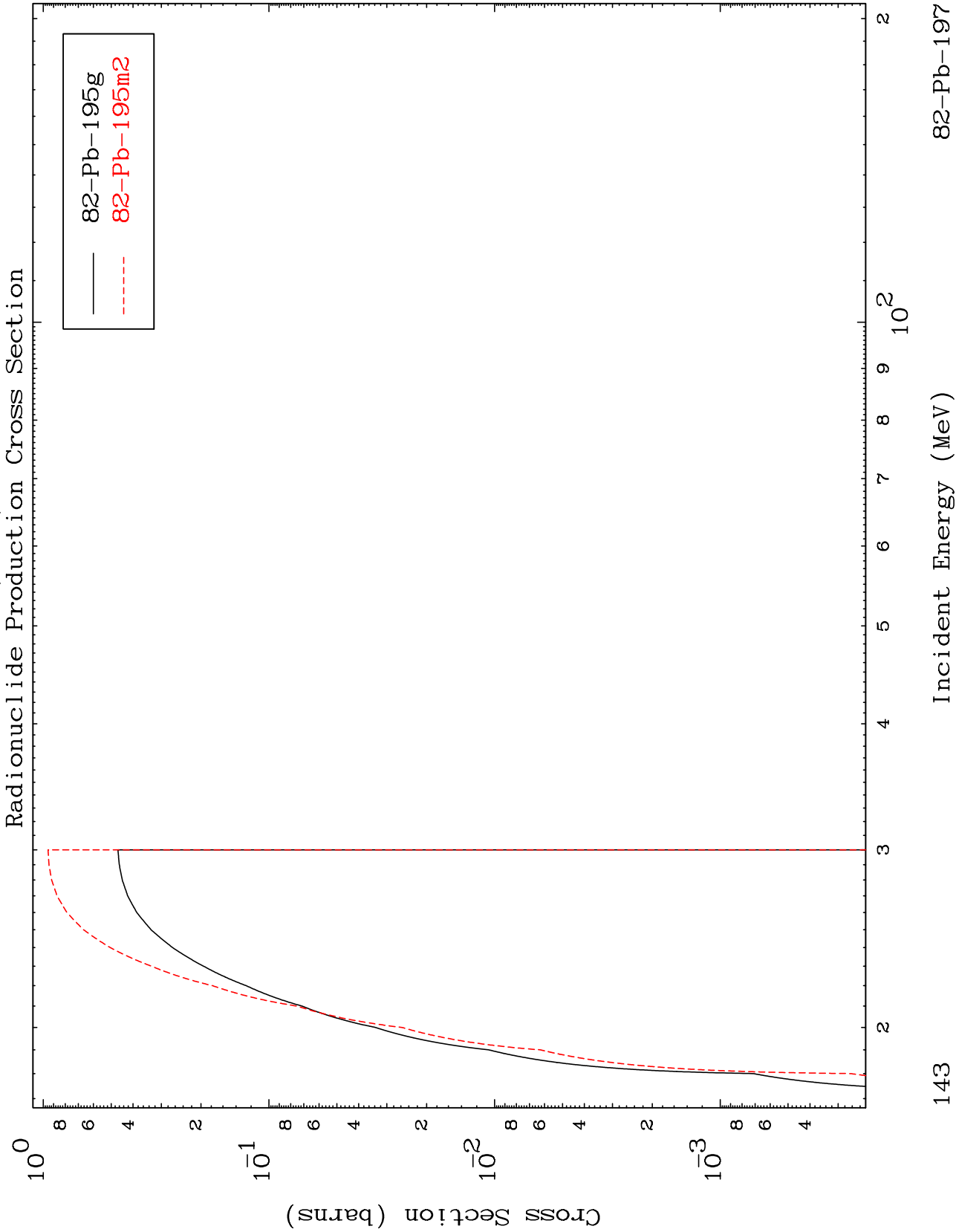
Incident Energy (MeV)

82-Pb-197

MAT 8204

(n,3n)

82-Pb-197



143

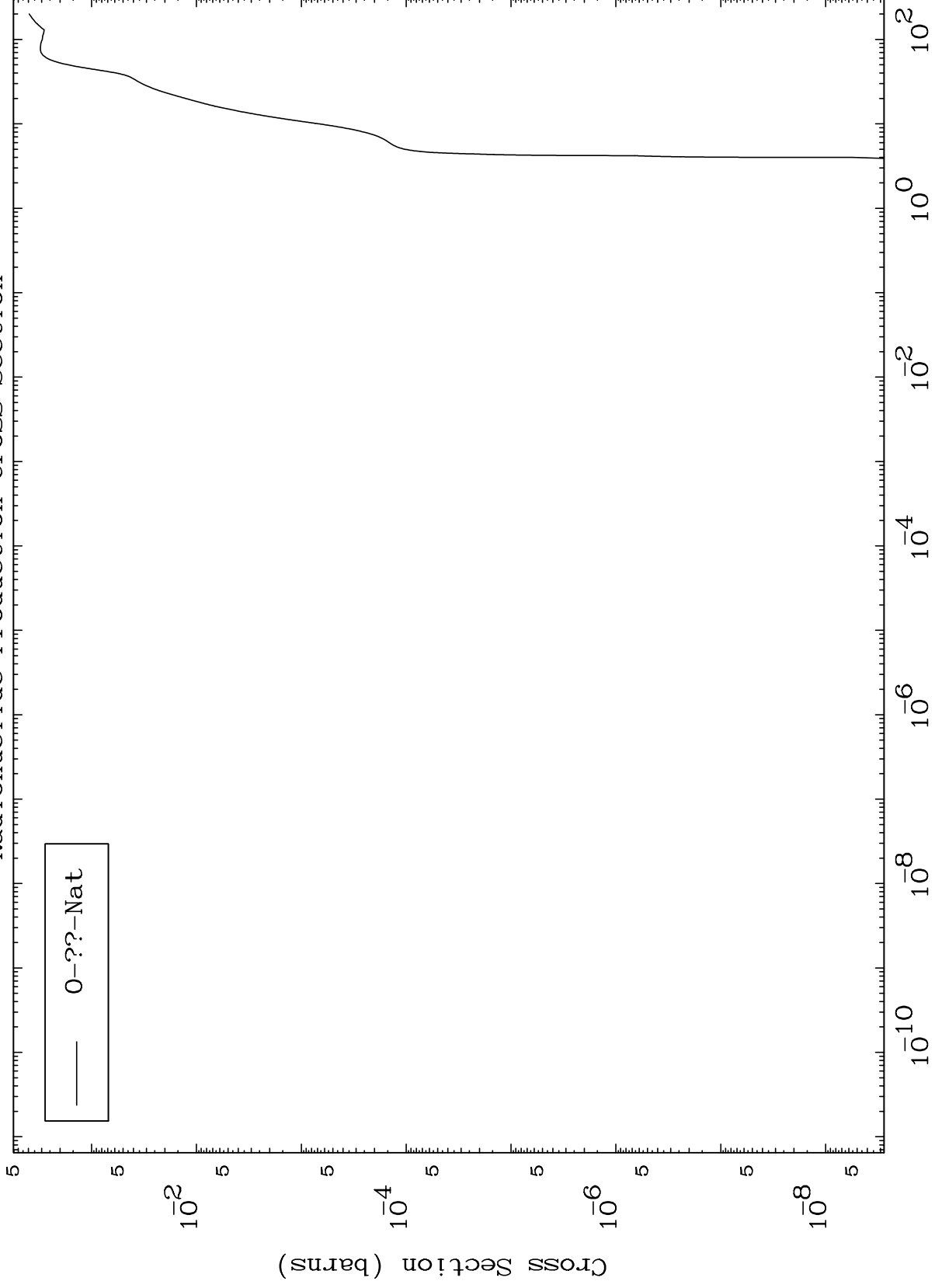
82-Pb-197

MAT 8204

Fission

82-Pb-197

Radionuclide Production Cross Section



144

Incident Energy (MeV)

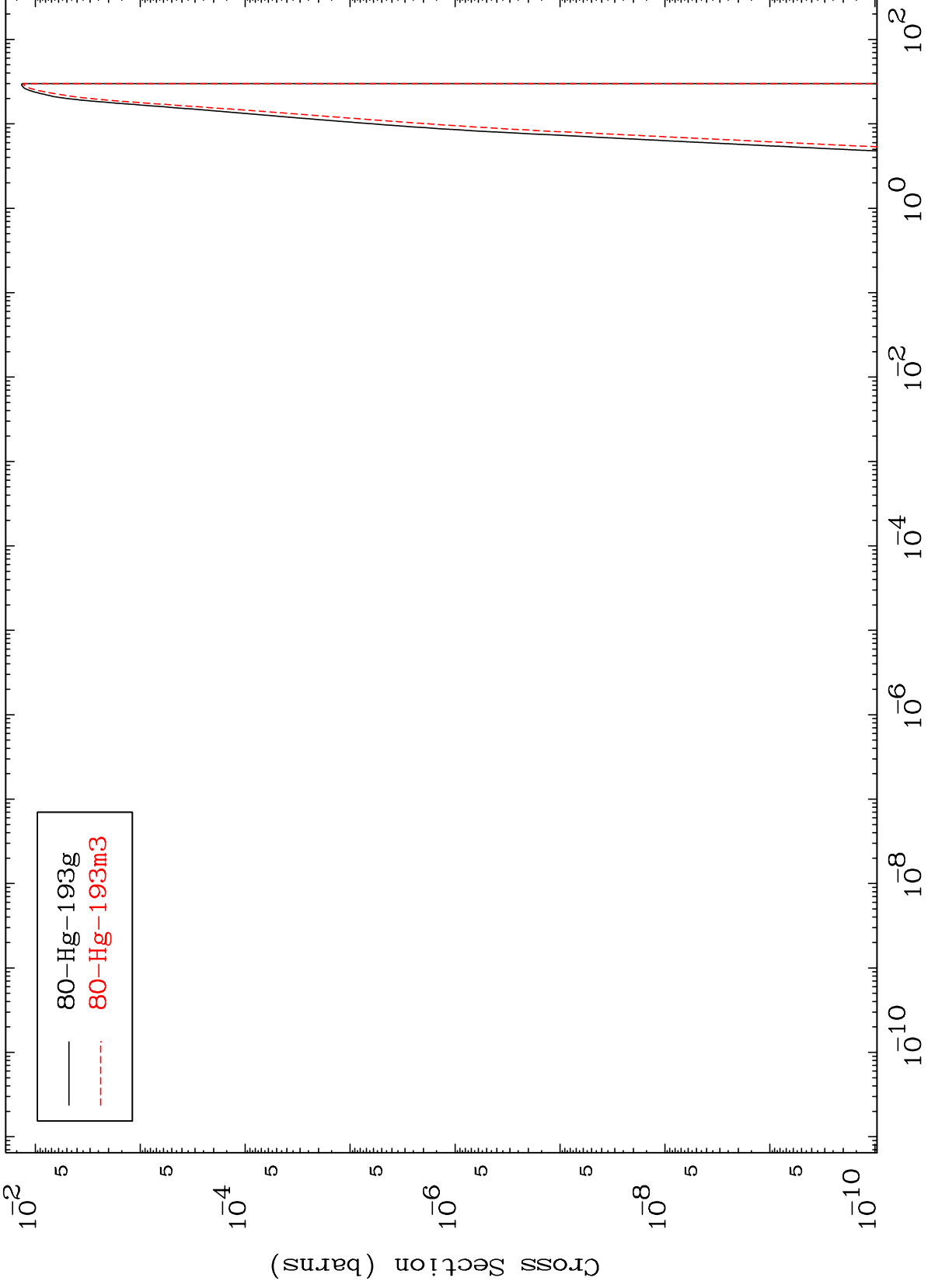
82-Pb-197

MAT 8204

$(n, n') \alpha$

82-Pb-197

Radionuclide Production Cross Section



145

Incident Energy (MeV)

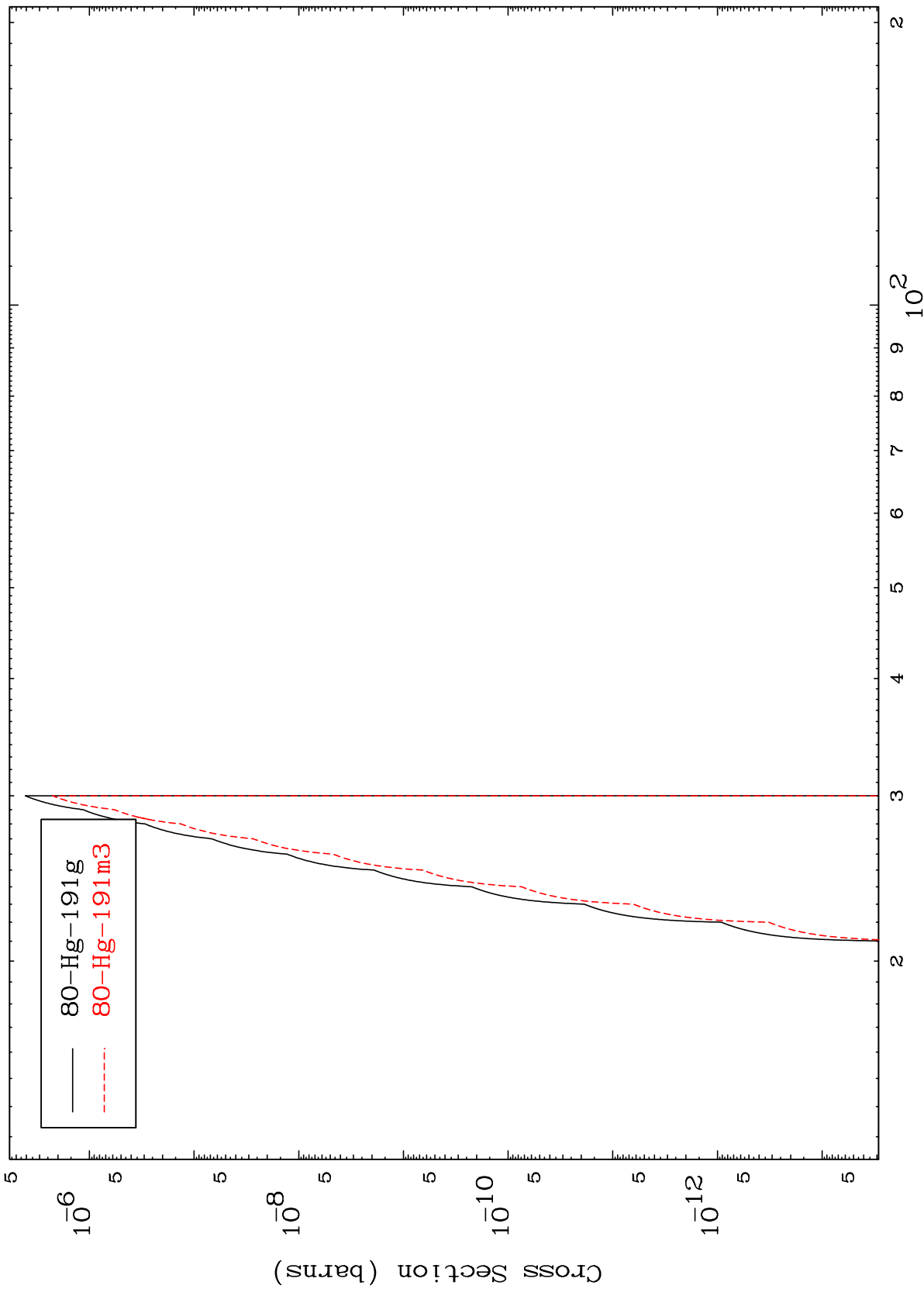
82-Pb-197

MAT 8204

(n,3n) α

82-Pb-197

Radionuclide Production Cross Section



80-Hg-191 g
80-Hg-191 m3

146

Incident Energy (MeV)

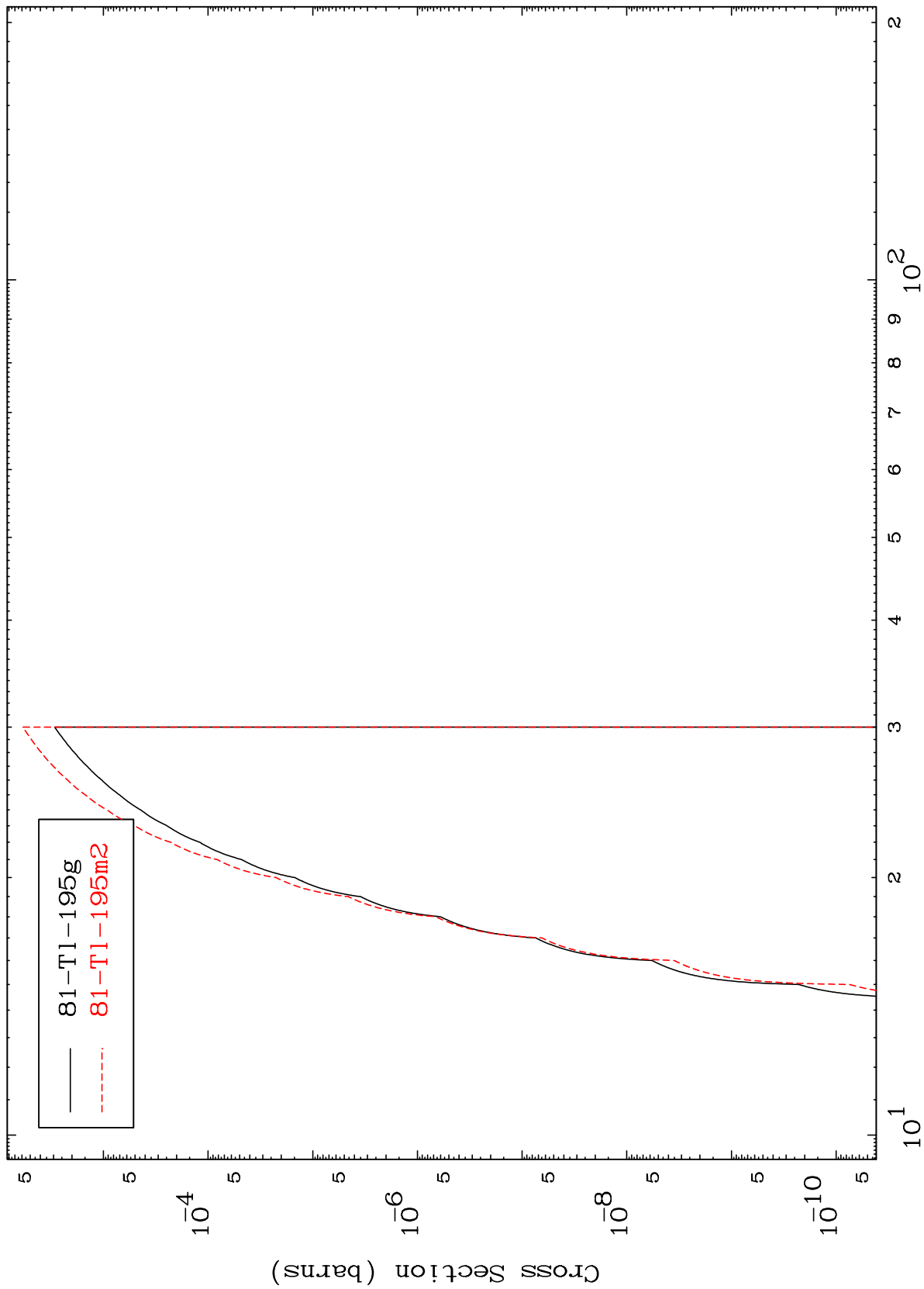
82-Pb-197

MAT 8204

(n,n') d

82-Pb-197

Radionuclide Production Cross Section

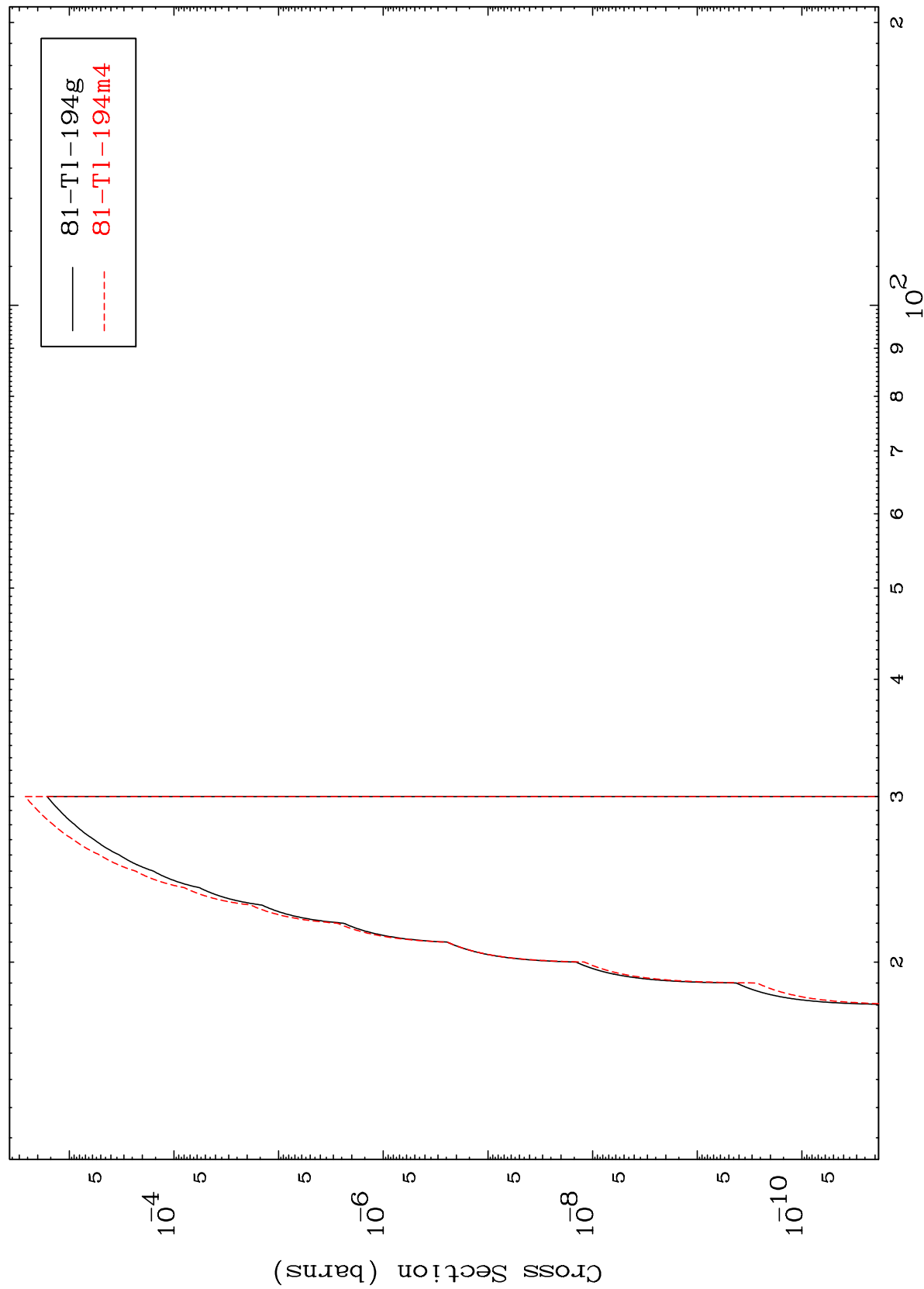


147

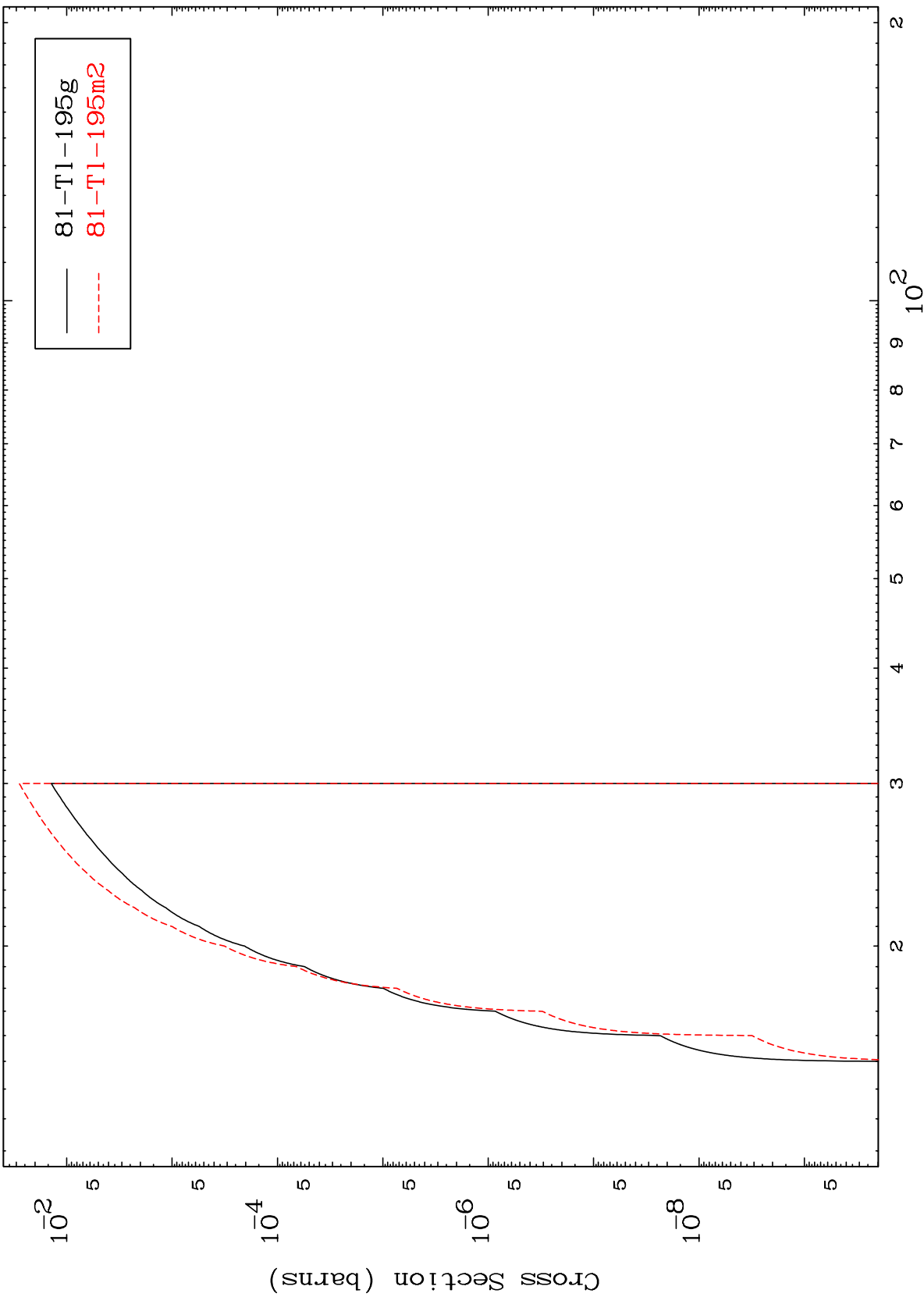
Incident Energy (MeV)

82-Pb-197

Radionuclide Production Cross Section



Radionuclide Production Cross Section

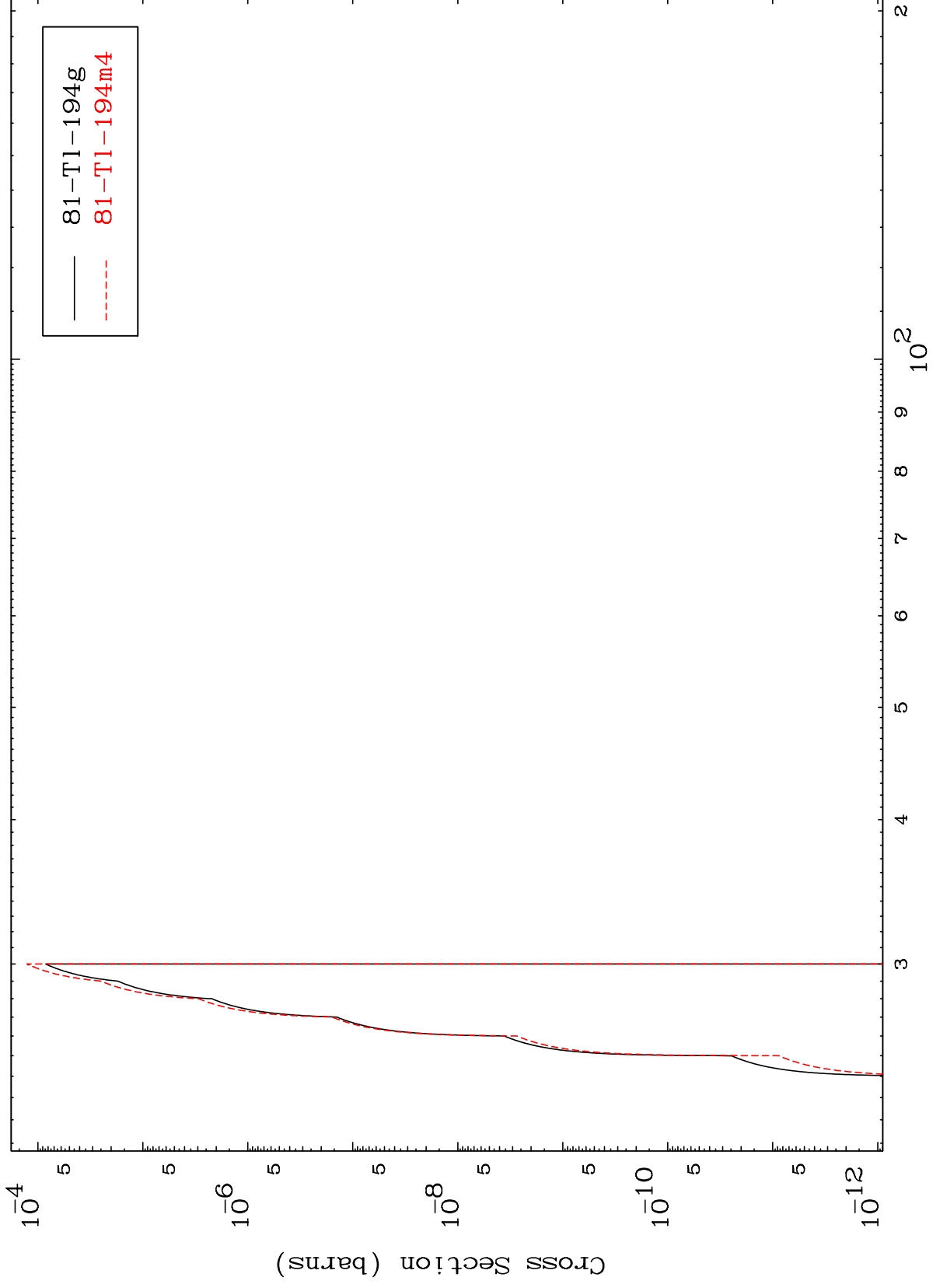


MAT 8204

(n,3n) p

82-Pb-197

Radionuclide Production Cross Section



150

Incident Energy (MeV)

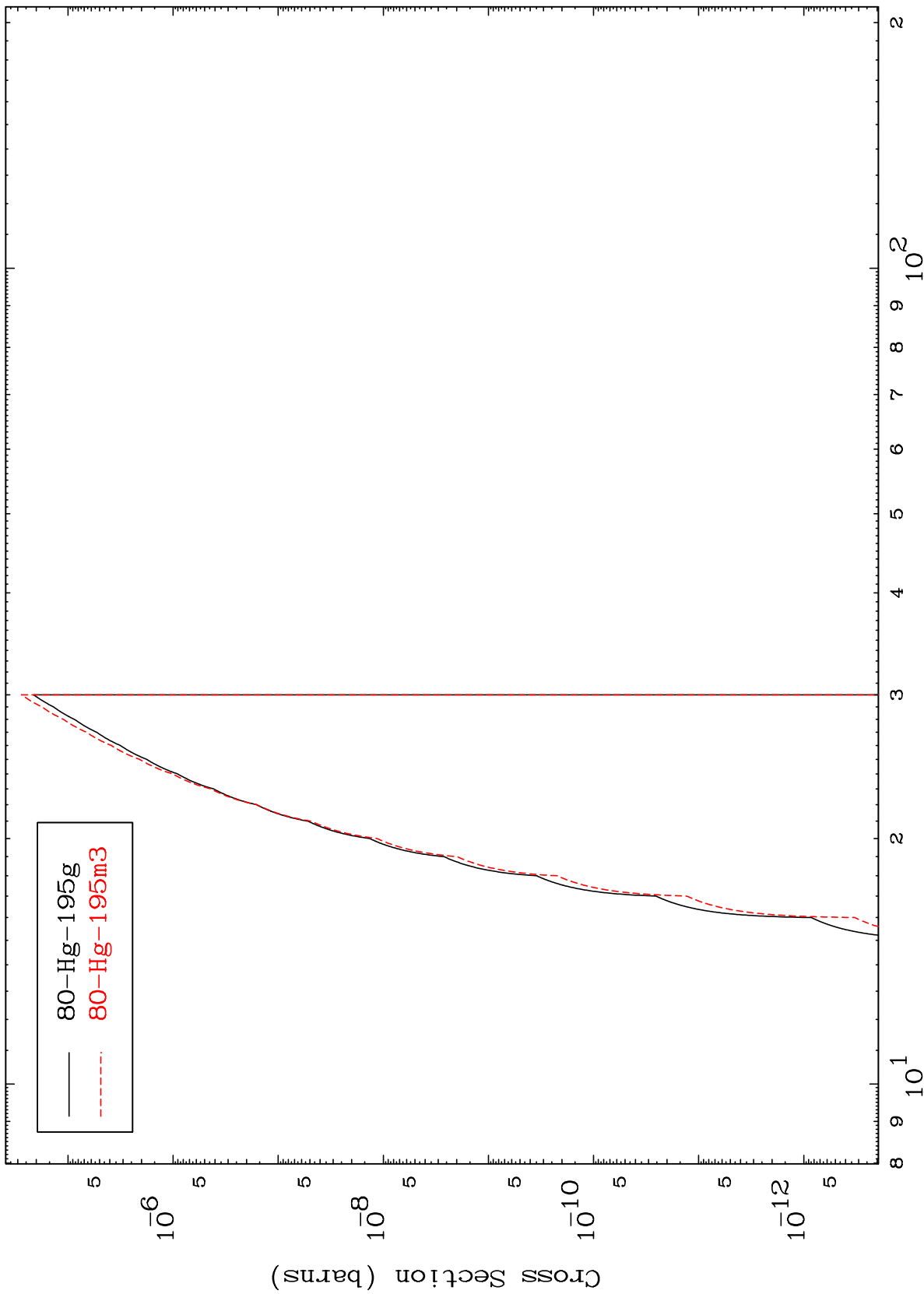
82-Pb-197

MAT 8204

(n,2n) p

82-Pb-197

Radionuclide Production Cross Section



151

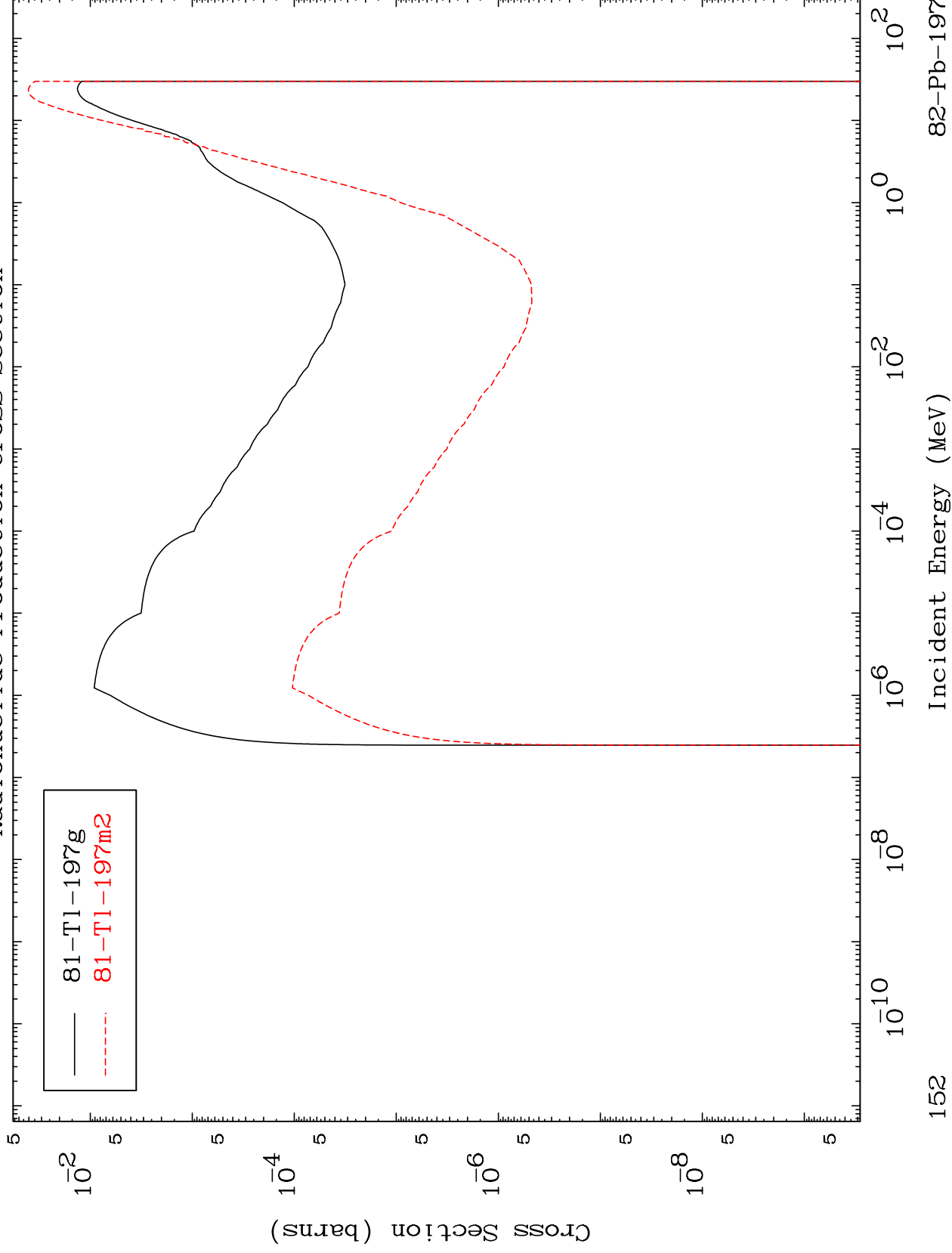
Incident Energy (MeV)

82-Pb-197

MAT 8204

82-Pb-197

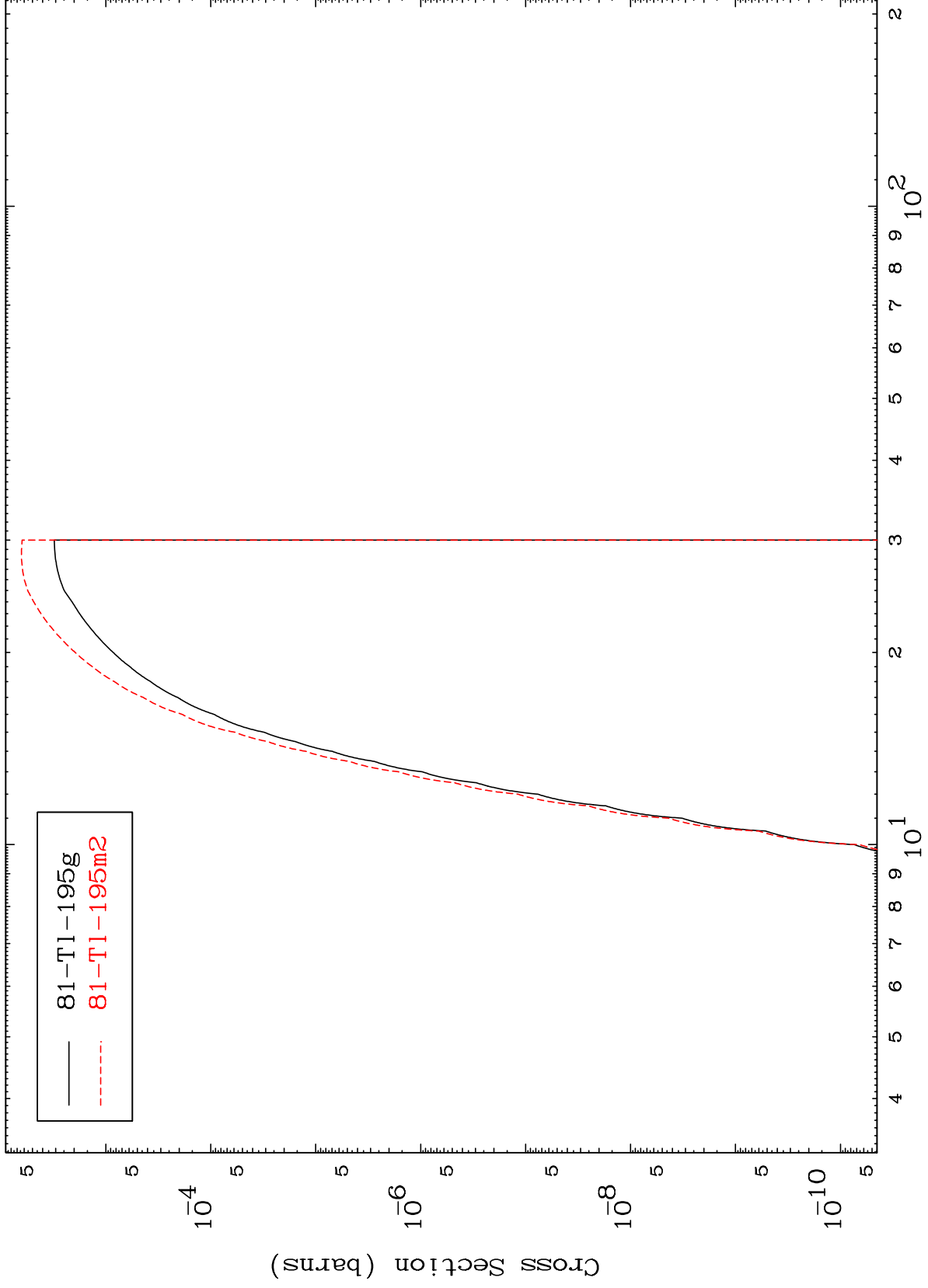
(n,p)
Radionuclide Production Cross Section



MAT 8204

82-Pb-197

(n, t)
Radionuclide Production Cross Section



153

Incident Energy (MeV)

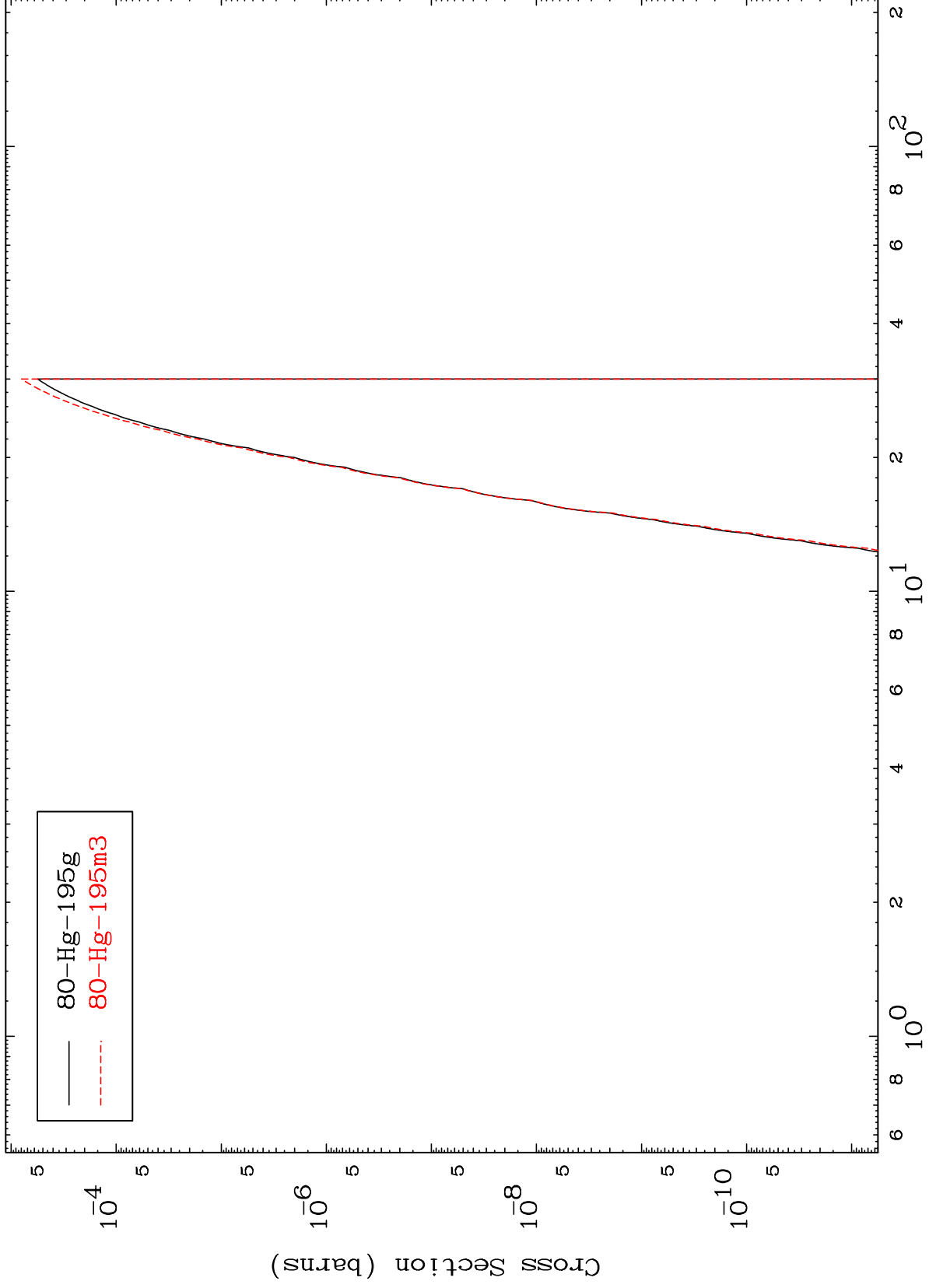
82-Pb-197

MAT 8204

(n,He-3)

82-Pb-197

Radionuclide Production Cross Section



80-Hg-195g
80-Hg-195m3

154

Incident Energy (MeV)

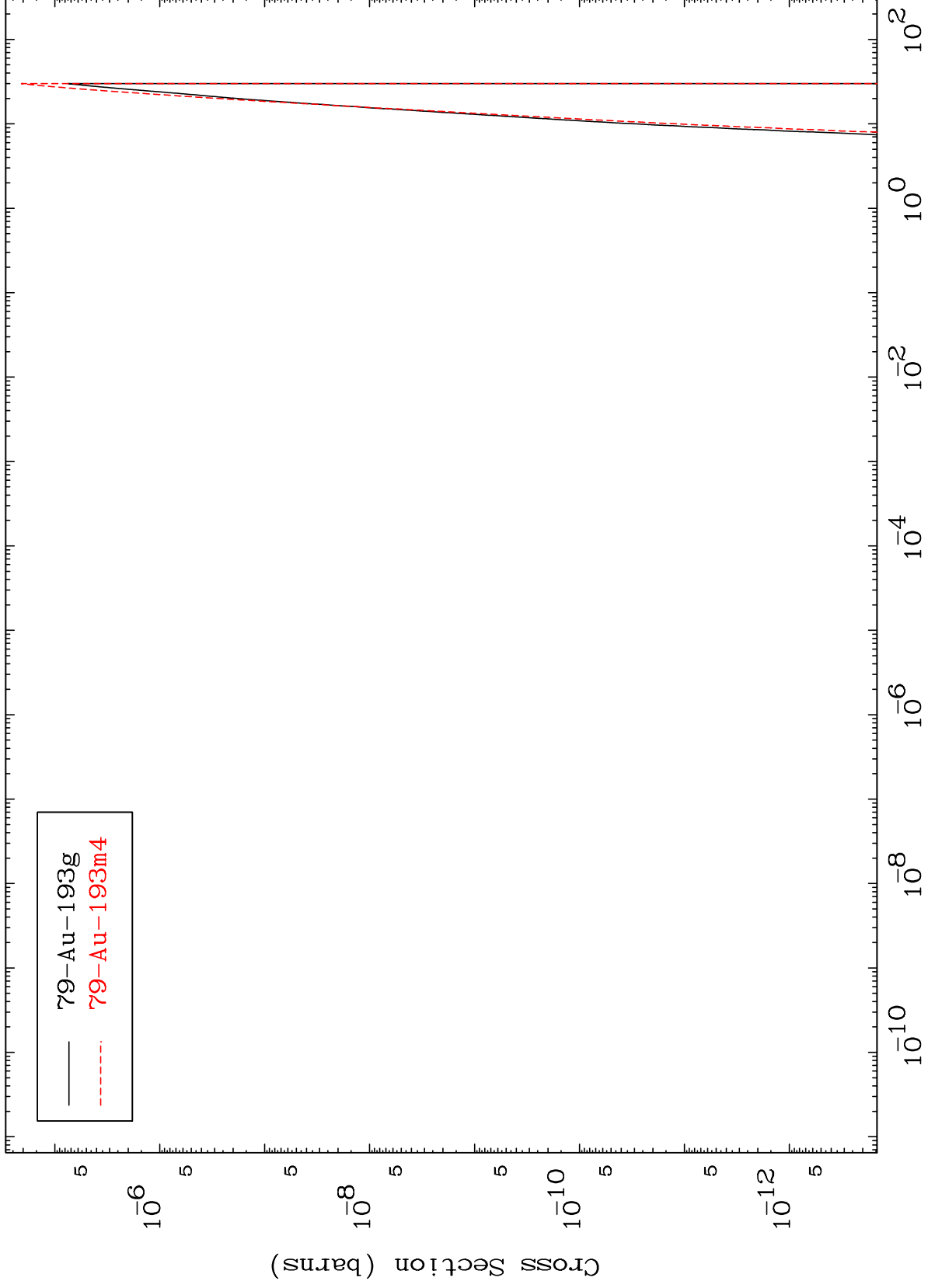
82-Pb-197

MAT 8204

(n,p) α

82-Pb-197

Radionuclide Production Cross Section

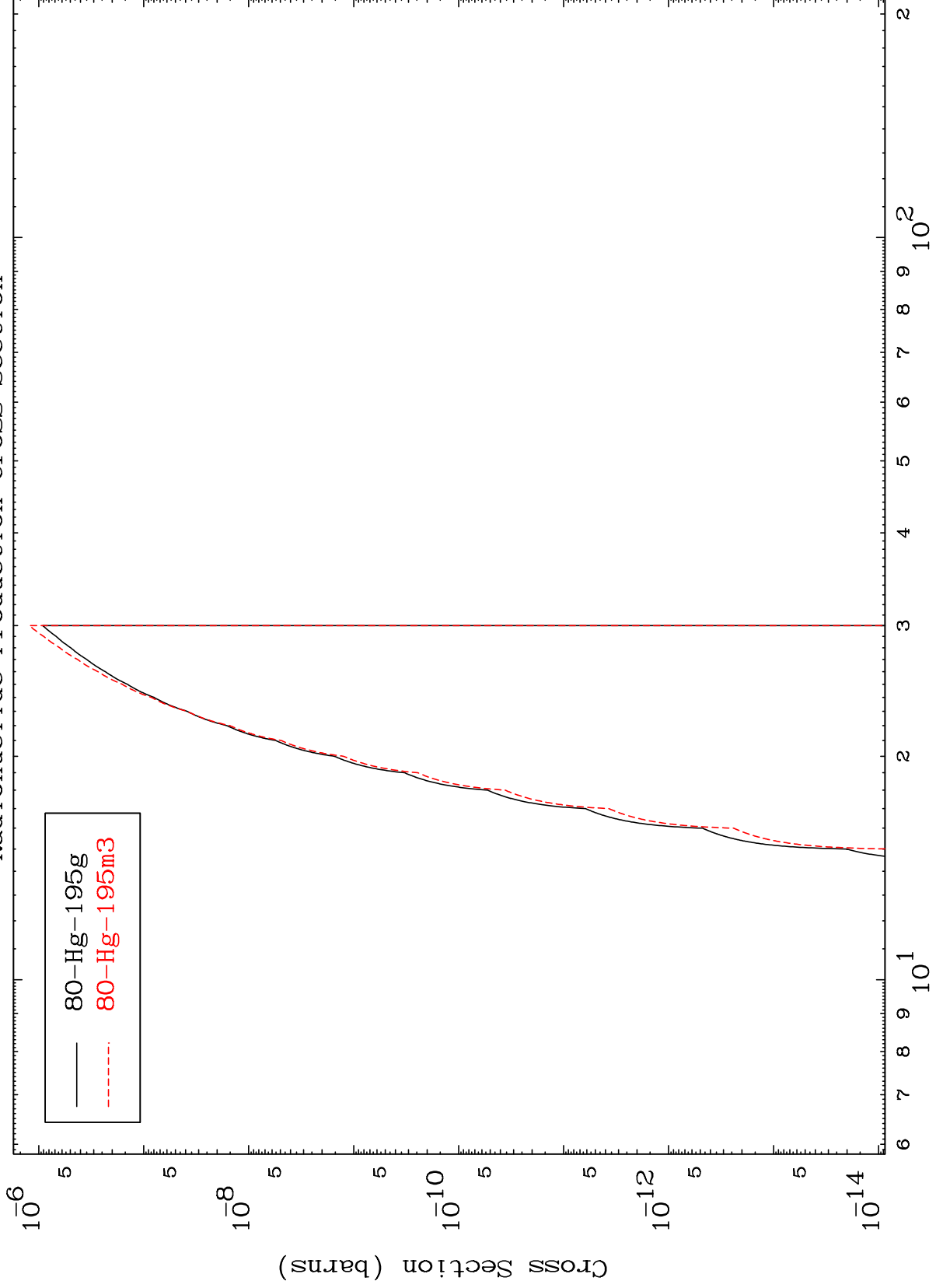


MAT 8204

(n,p) d

82-Pb-197

Radionuclide Production Cross Section



156

Incident Energy (MeV)

82-Pb-197