

Program EVALPLOT
(Version 2015-2)

by

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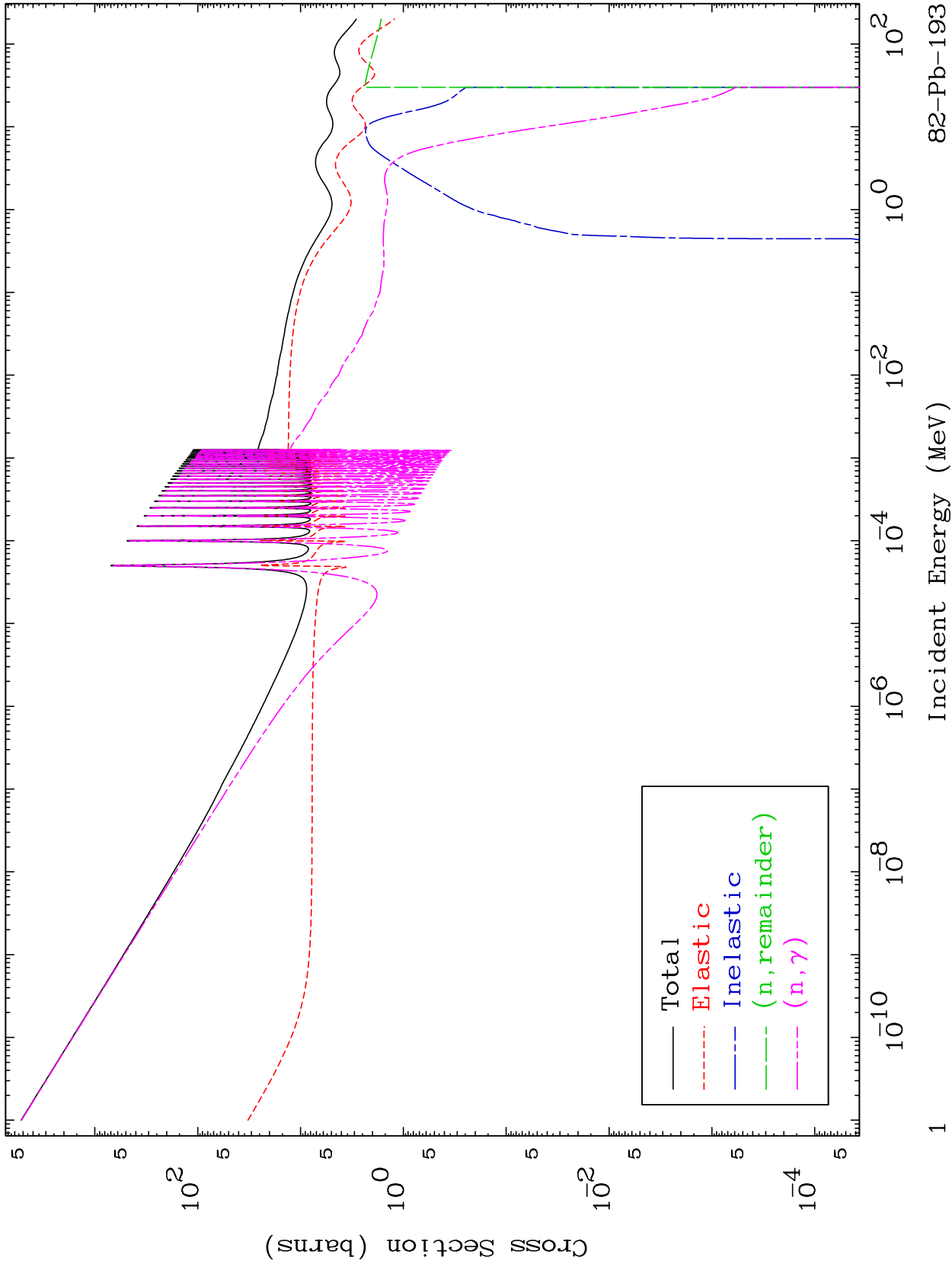
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 8192

Major
293 Kelvin Cross Sections

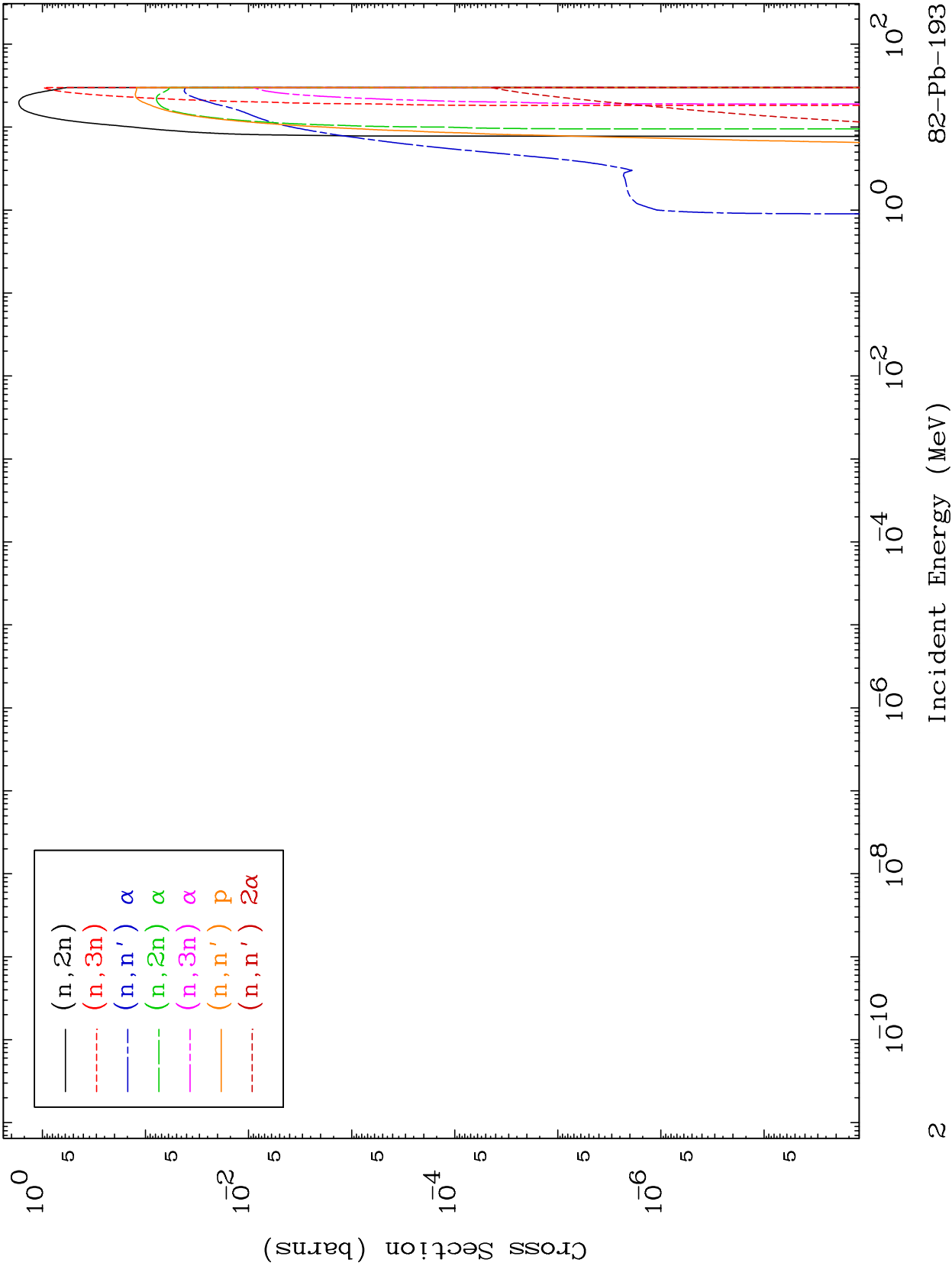
82-Pb-193



MAT 8192

Neutron Production
293 Kelvin Cross Sections

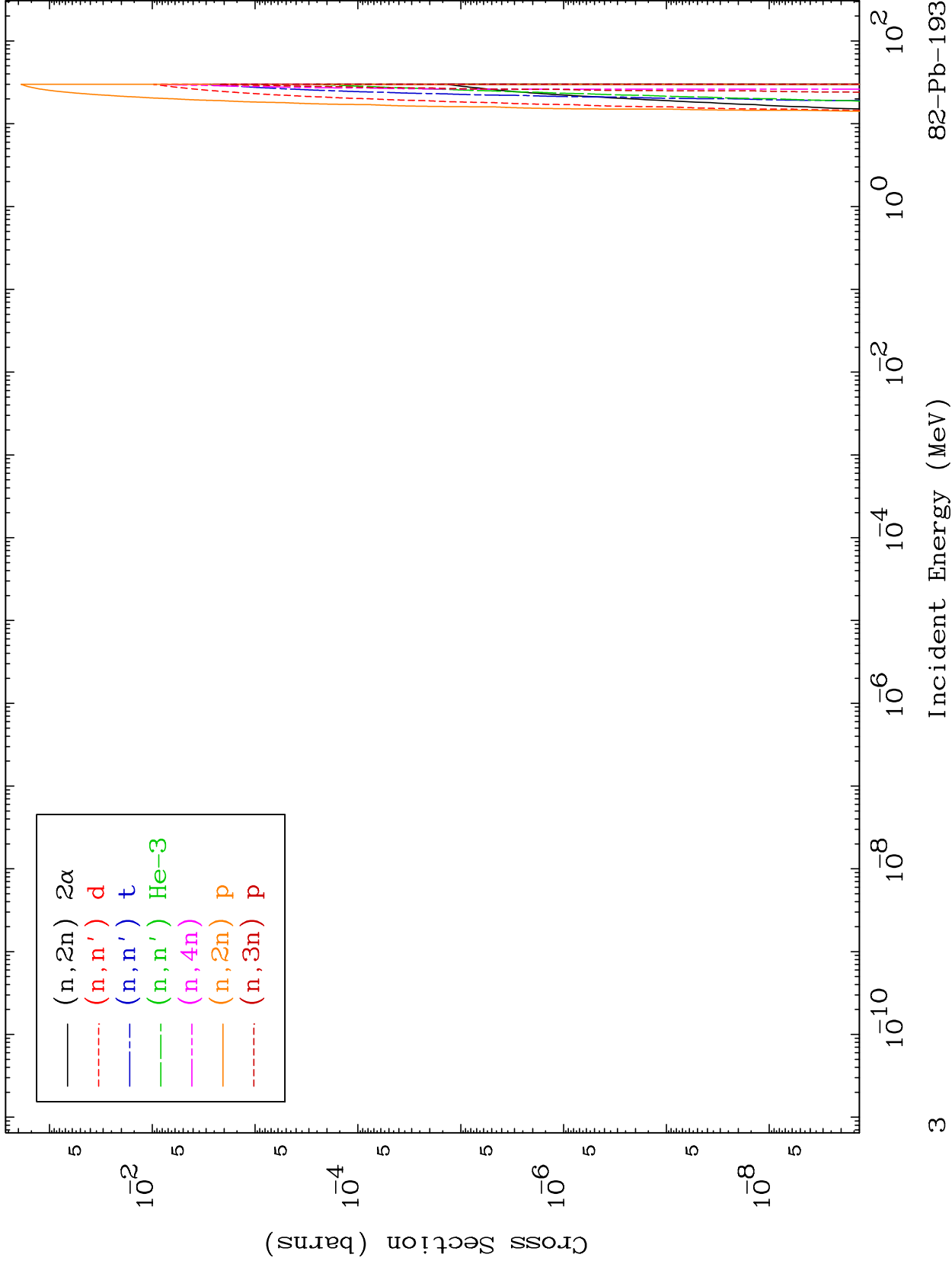
82-Pb-193



MAT 8192

Neutron Production
293 Kelvin Cross Sections

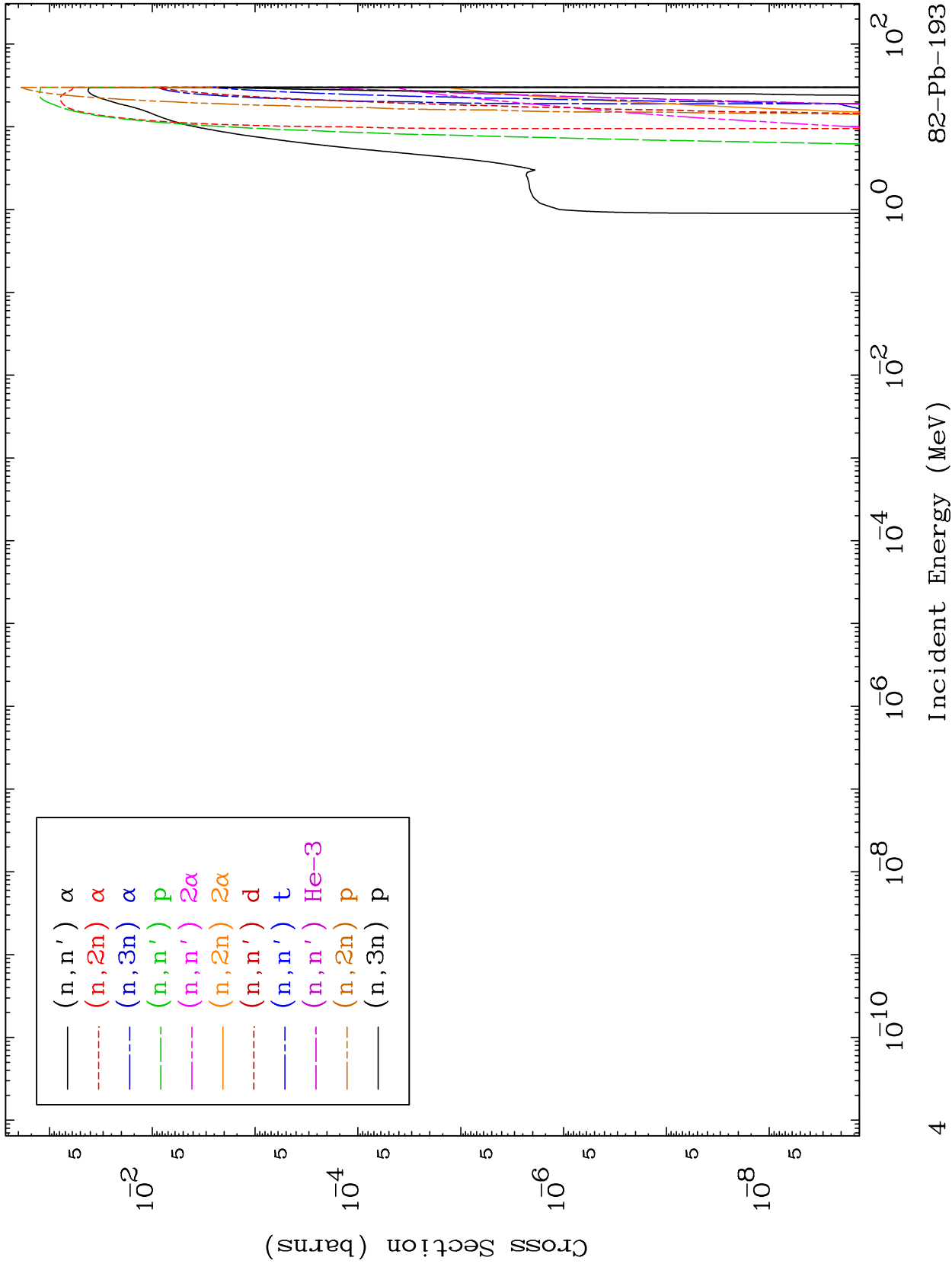
82-Pb-193



MAT 8192

Charged Particle
293 Kelvin Cross Sections

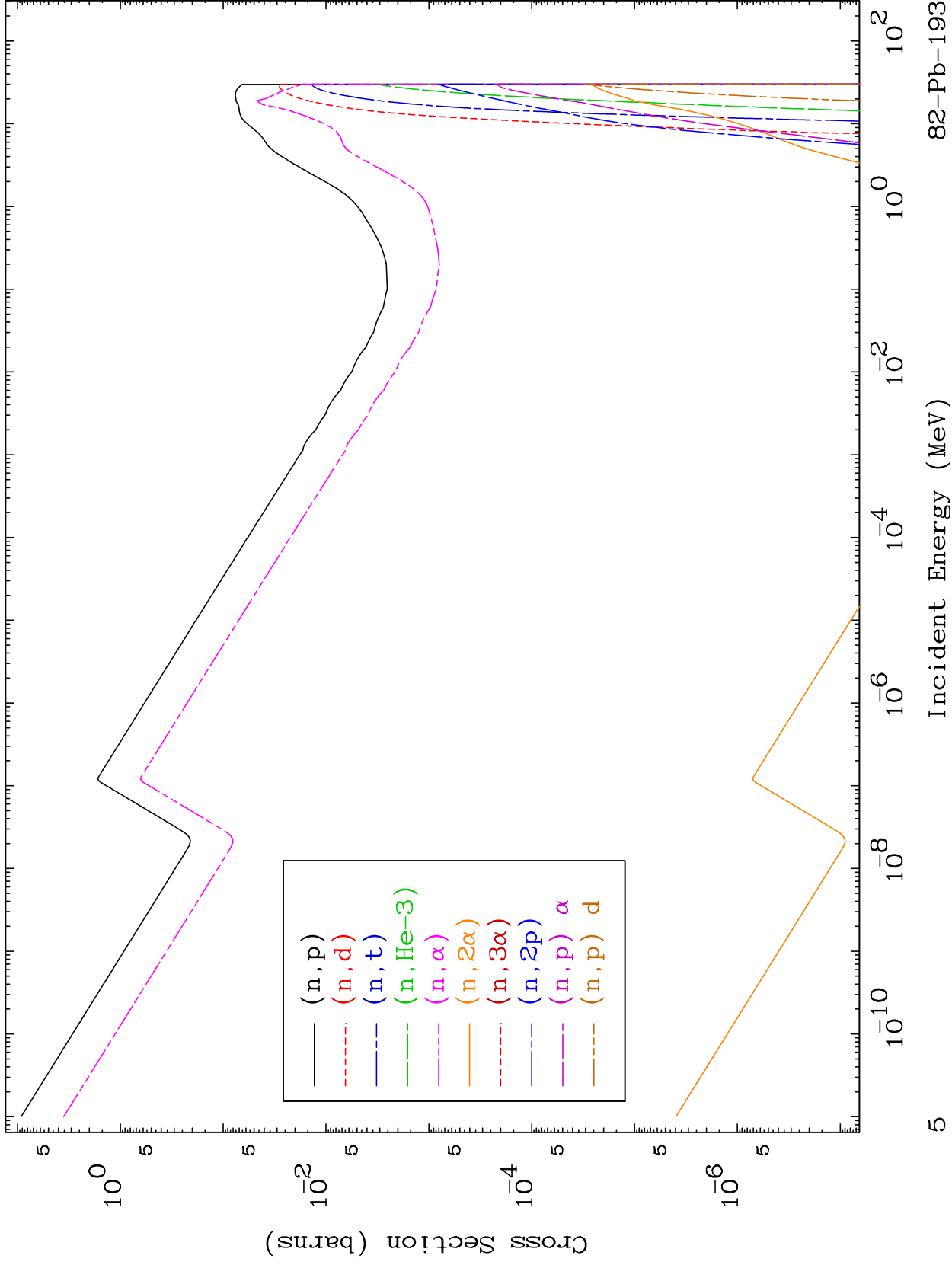
82-Pb-193



MAT 8192

Charged Particle
293 Kelvin Cross Sections

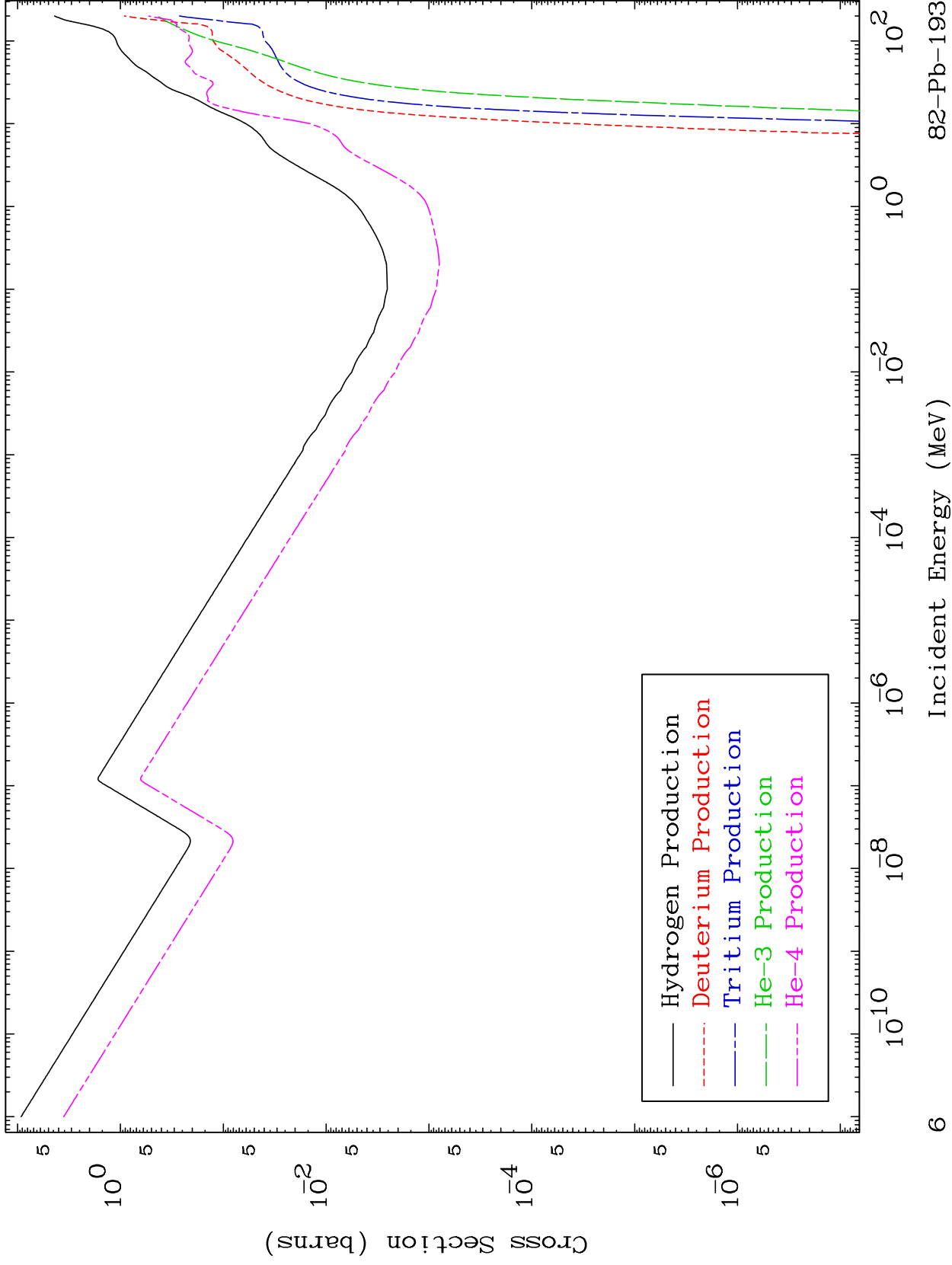
82-Pb-193

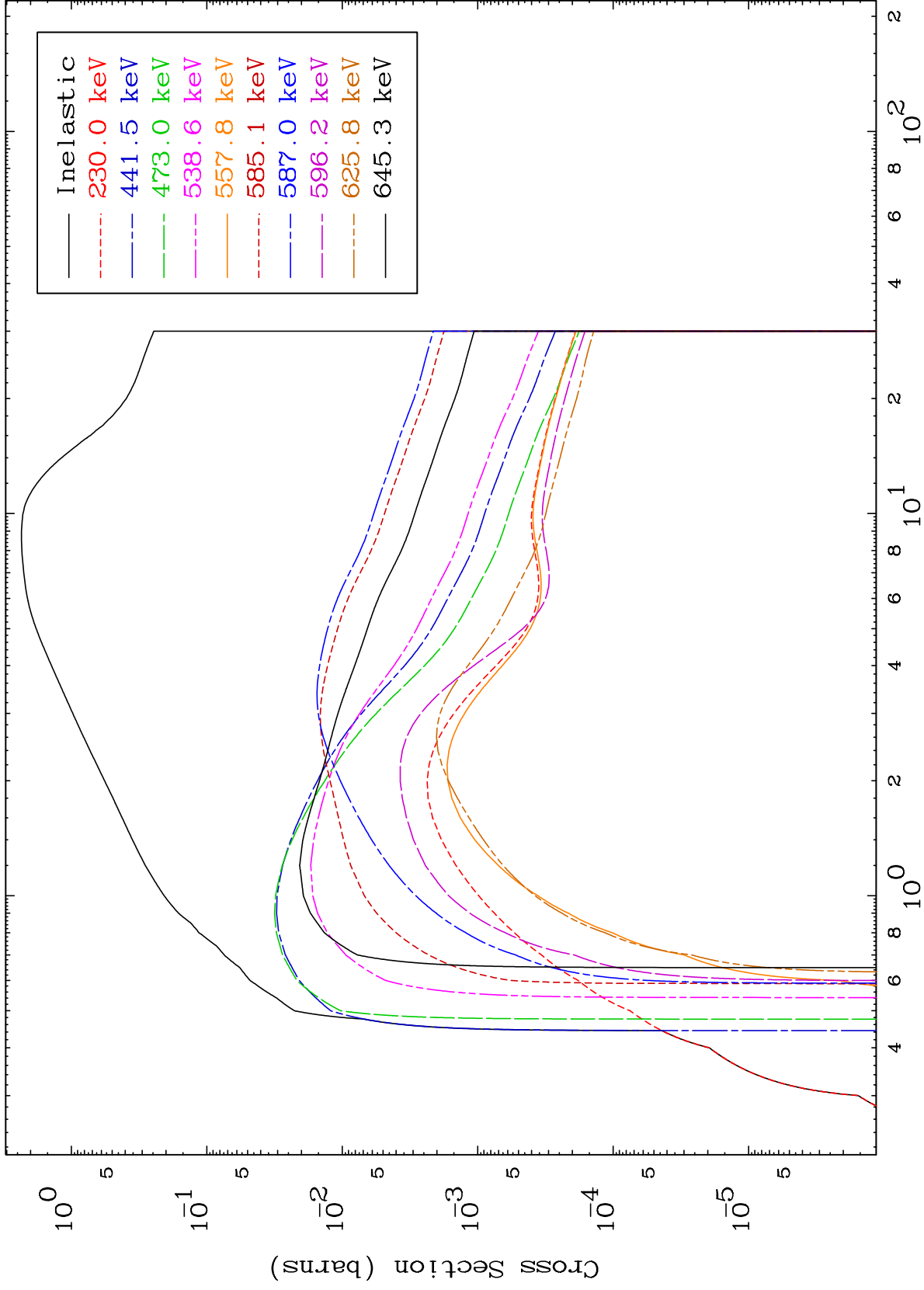


MAT 8192

Particle Production
293 Kelvin Cross Sections

82-Pb-193

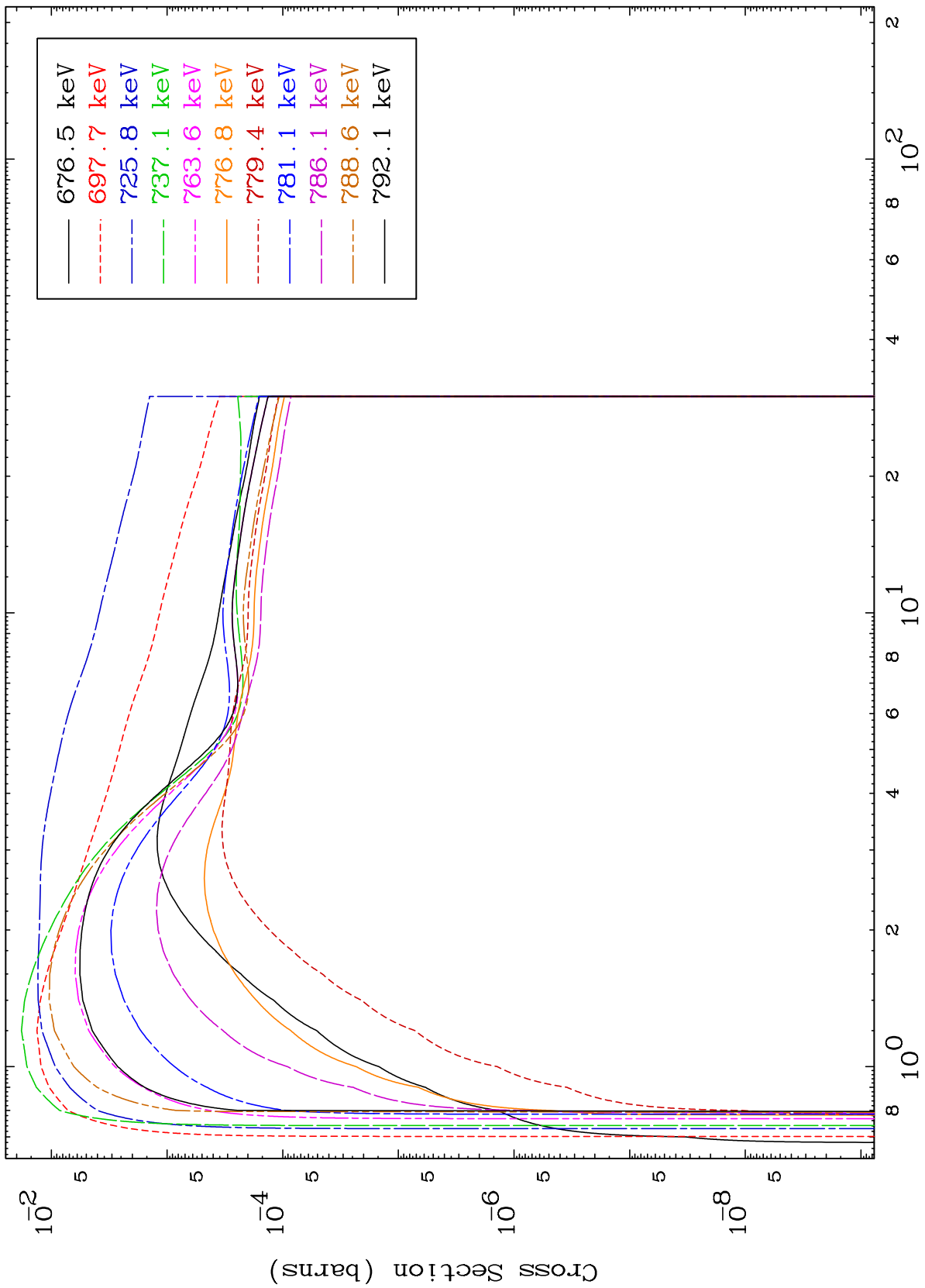




MAT 8192

(n,n') Level
293 Kelvin Cross Sections

82-Pb-193



8

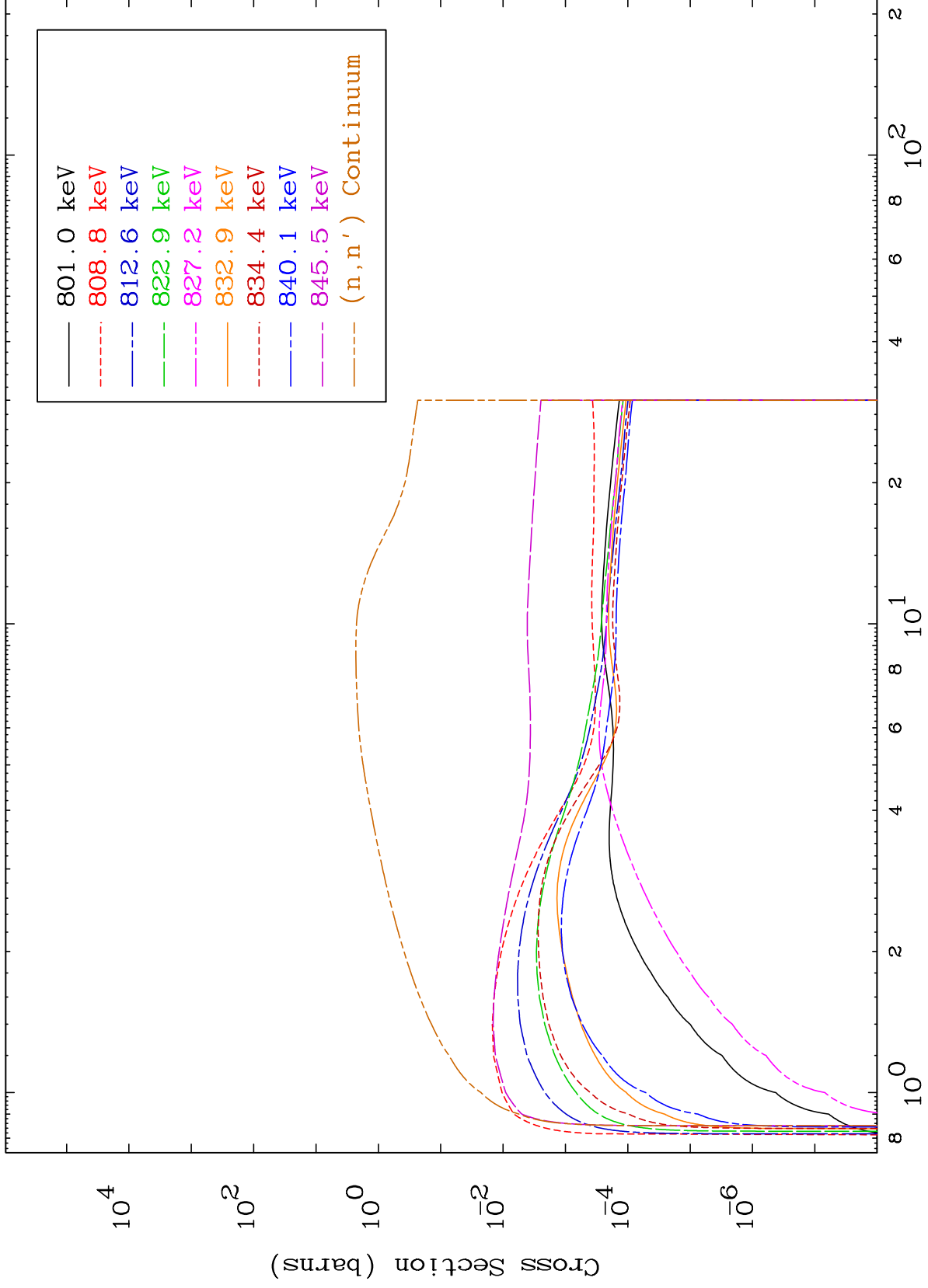
Incident Energy (MeV)

82-Pb-193

MAT 8192

(n,n') Level
293 Kelvin Cross Sections

82-Pb-193



9

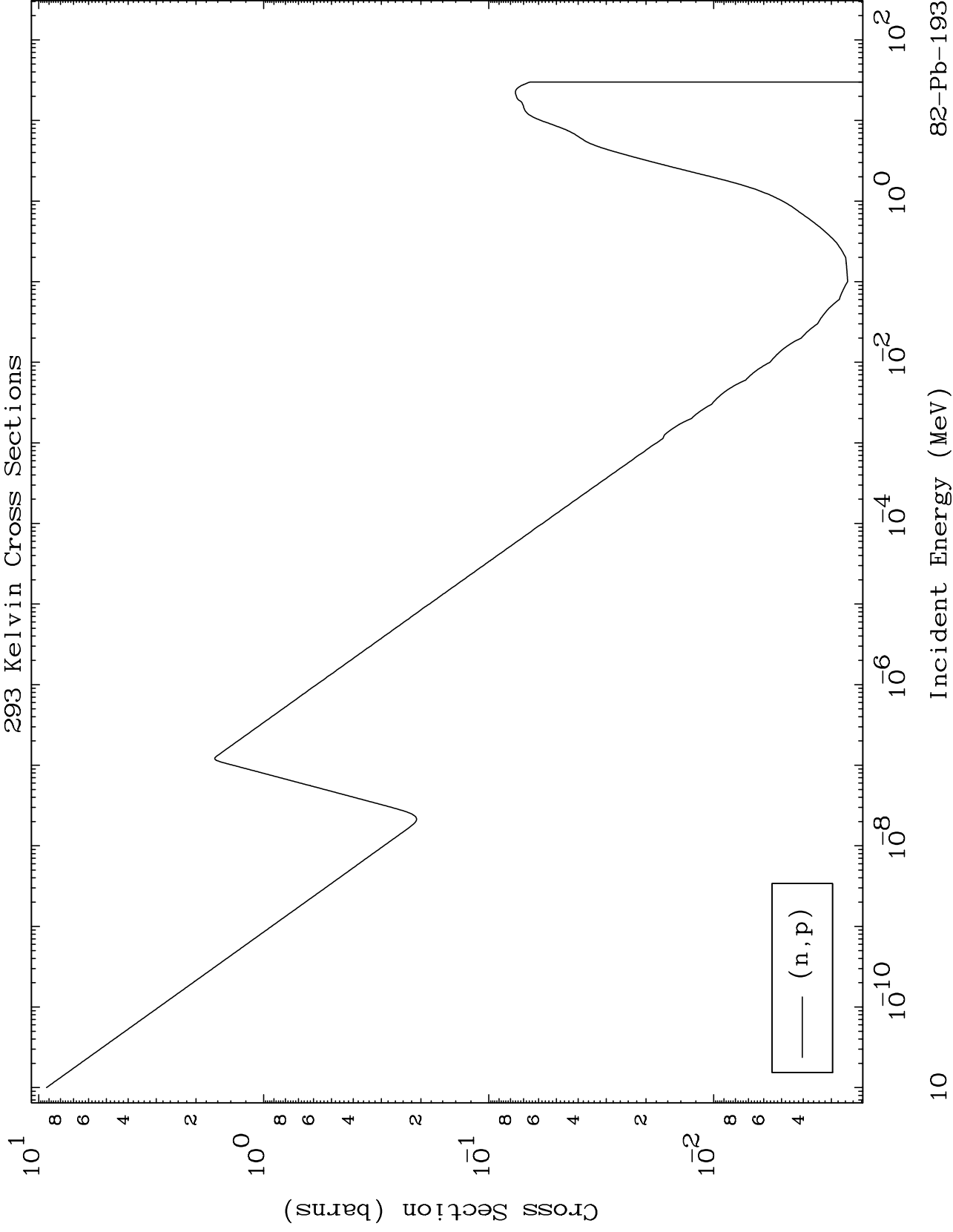
Incident Energy (MeV)

82-Pb-193

MAT 8192

(n,p) Levels
293 Kelvin Cross Sections

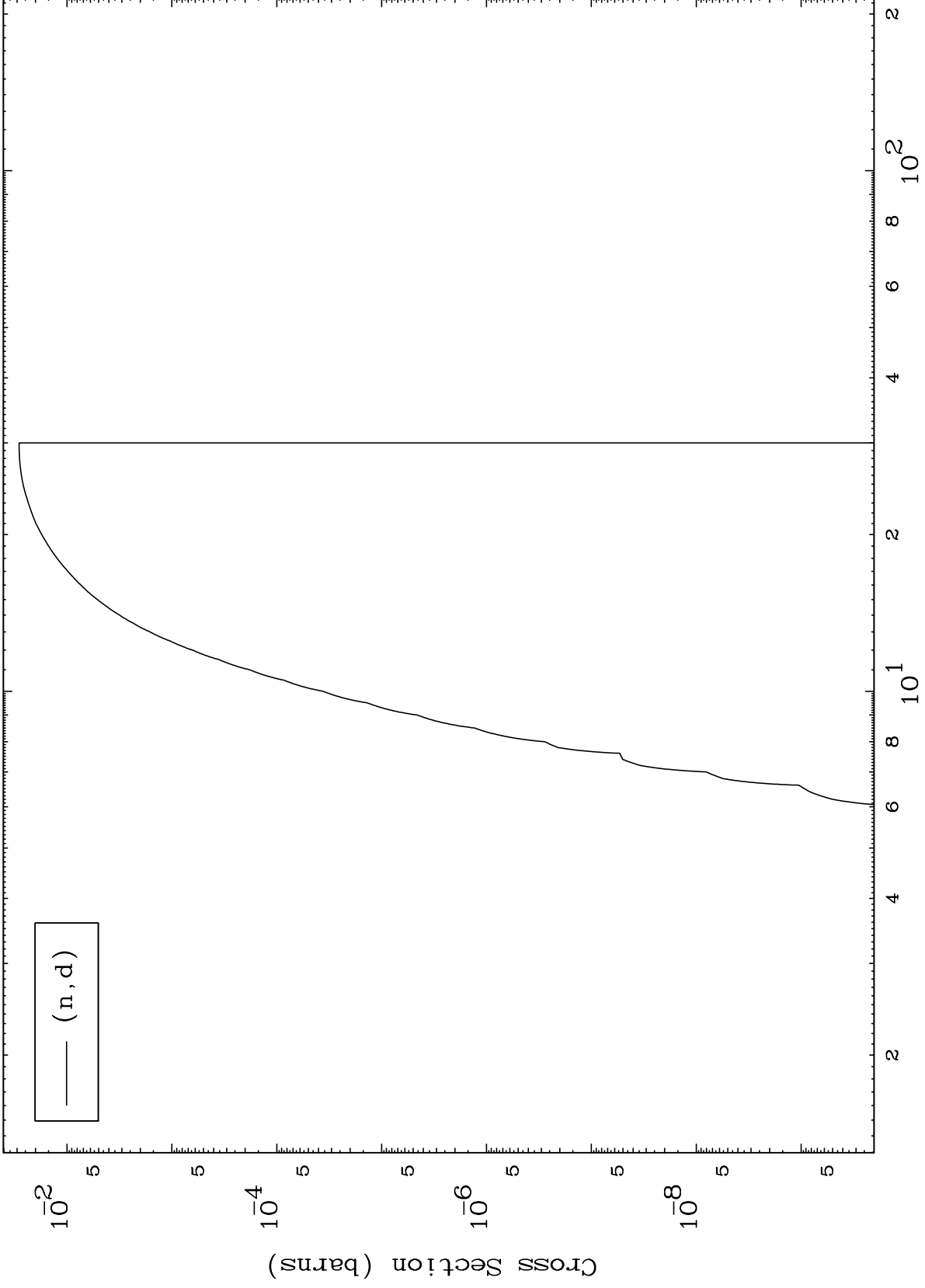
82-Pb-193



MAT 8192

(n,d) Levels
293 Kelvin Cross Sections

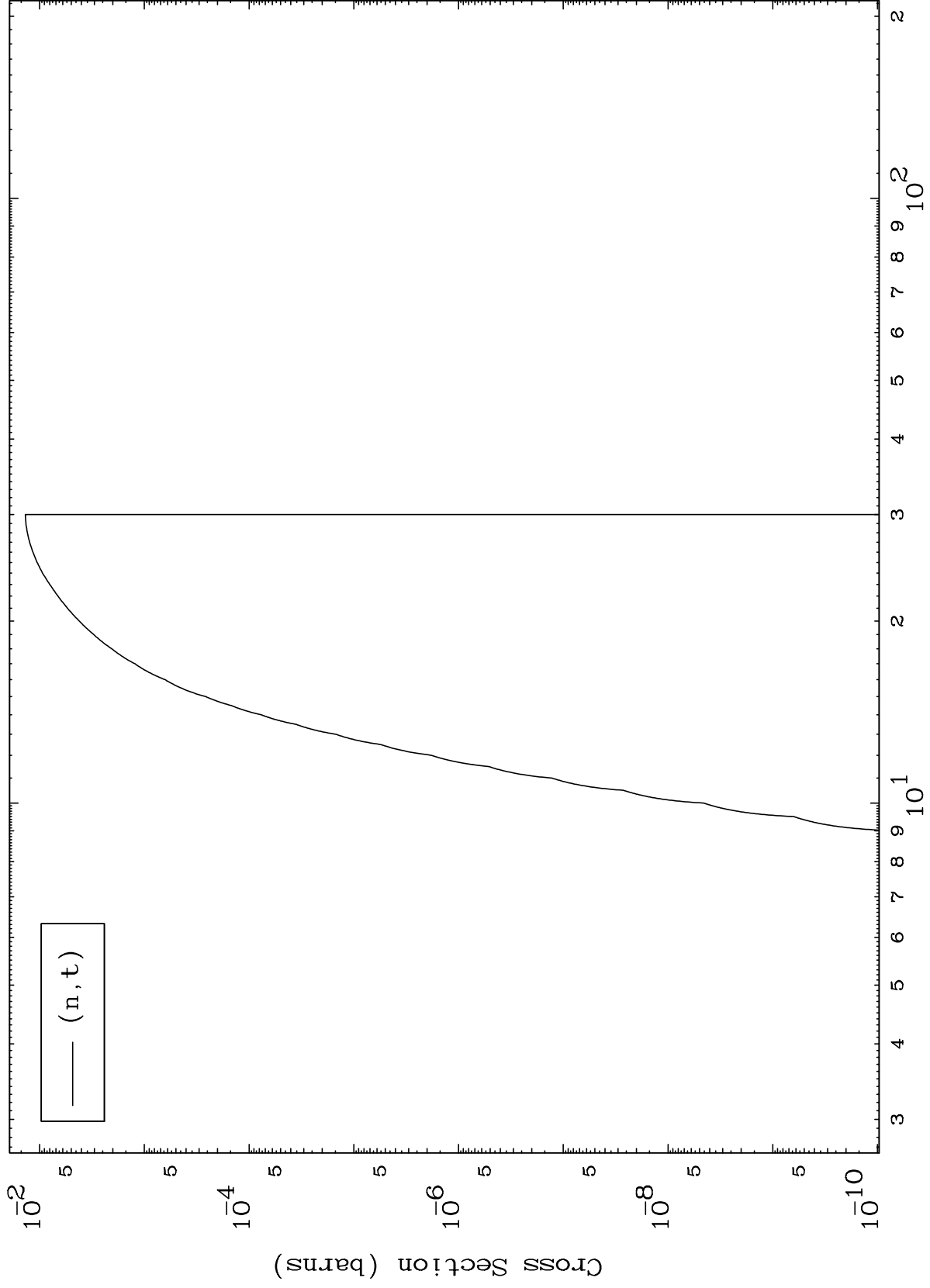
82-Pb-193



MAT 8192

(n,t) Levels
293 Kelvin Cross Sections

82-Pb-193



12

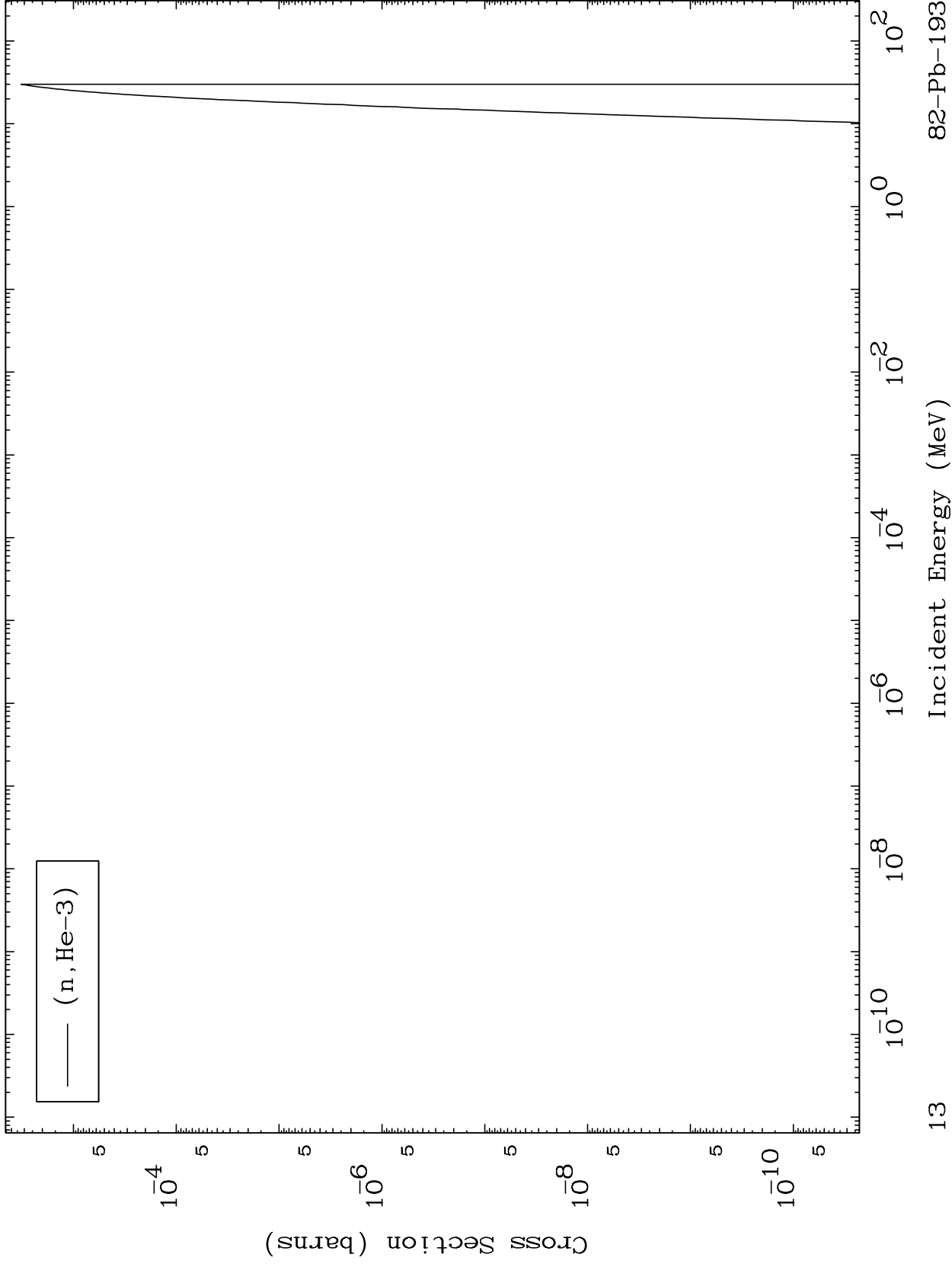
Incident Energy (MeV)

82-Pb-193

MAT 8192

(n,He3) Levels
293 Kelvin Cross Sections

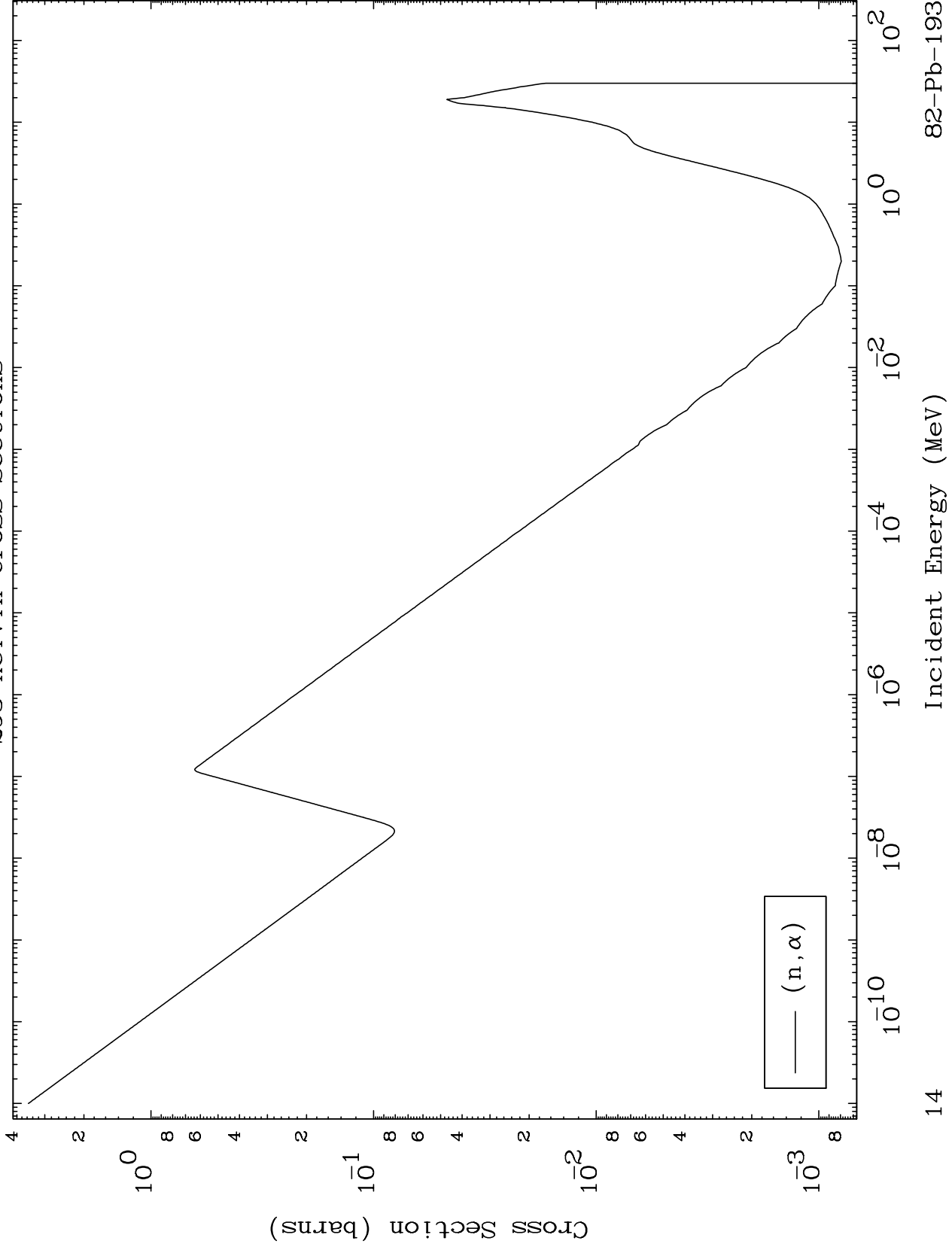
82-Pb-193

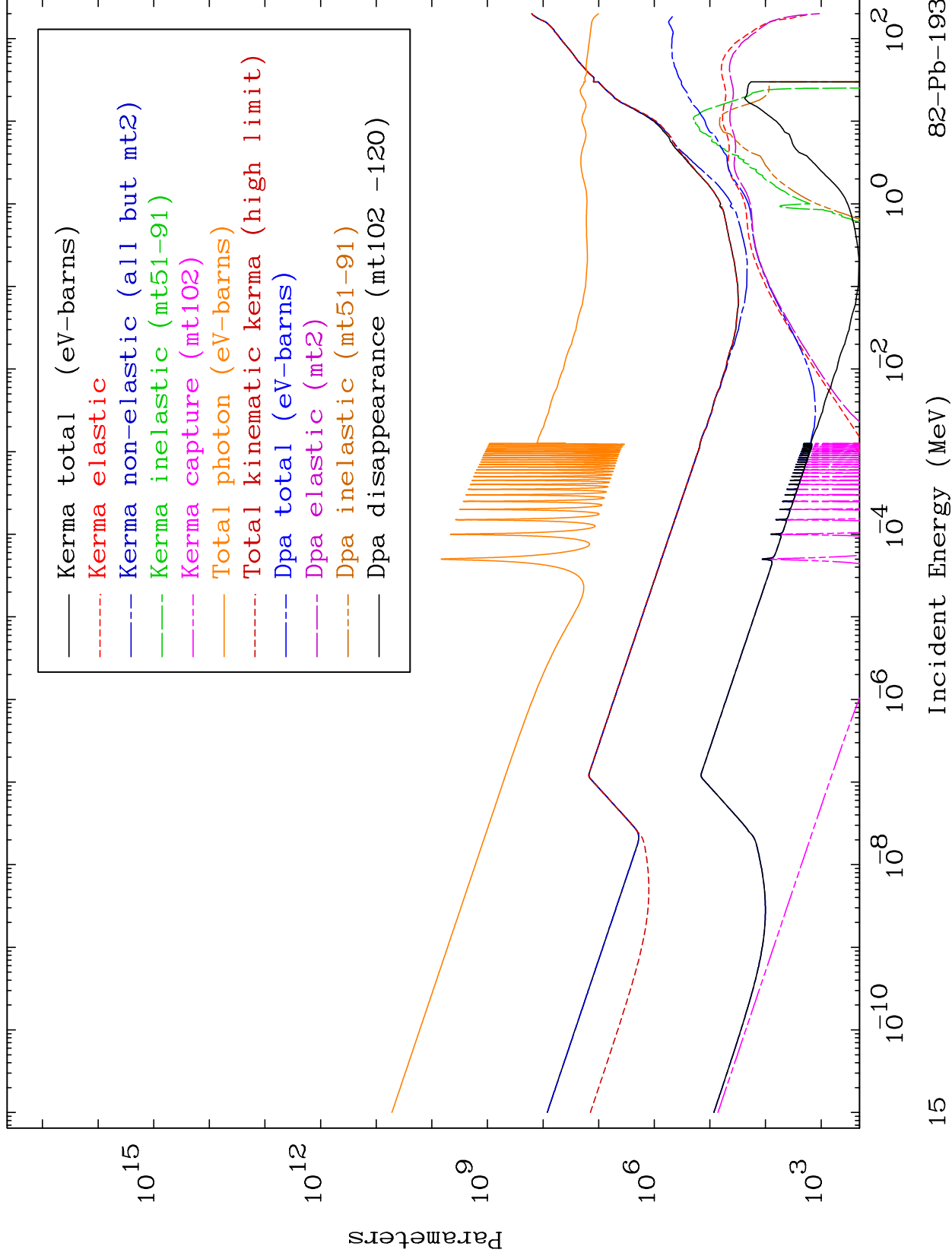


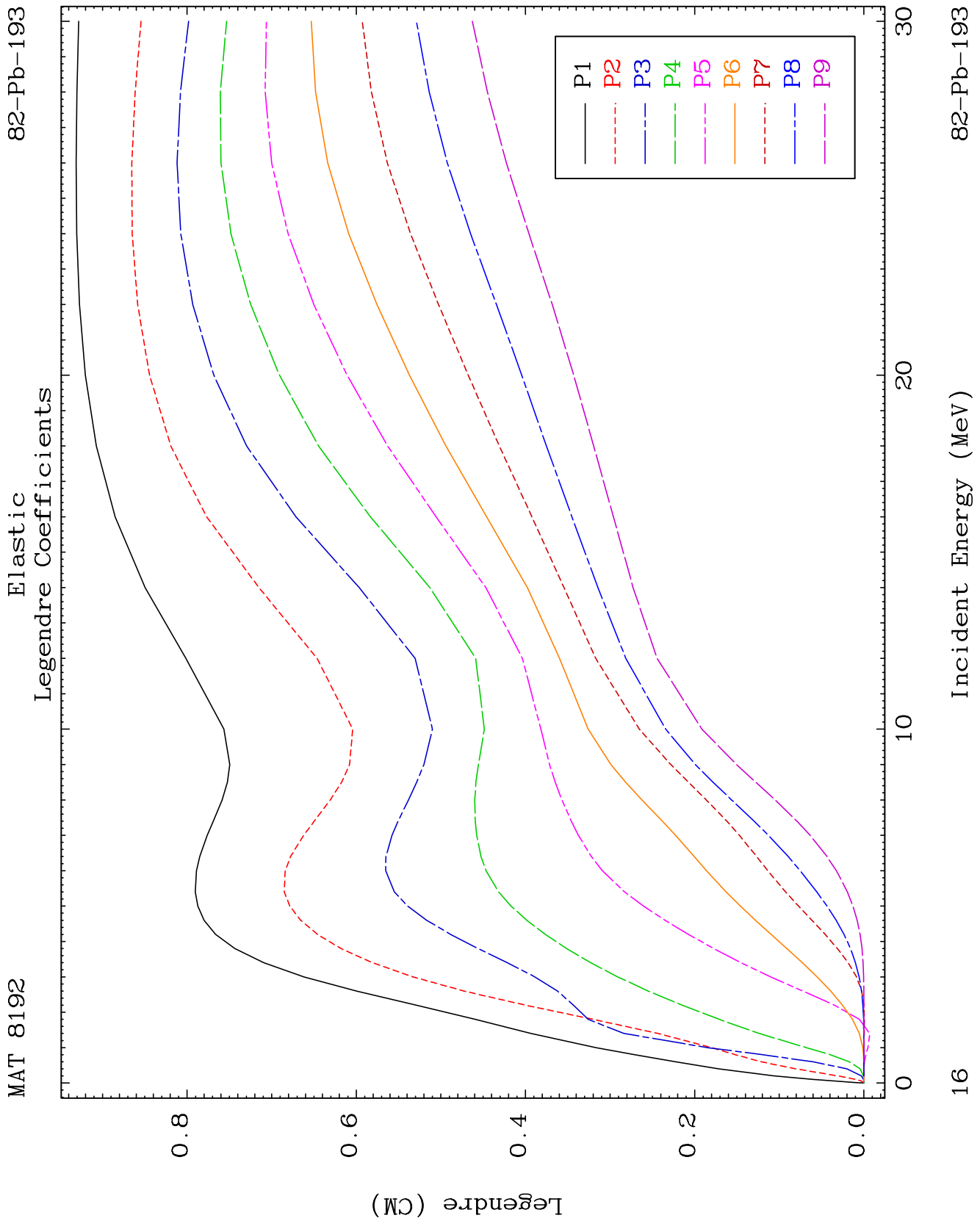
MAT 8192

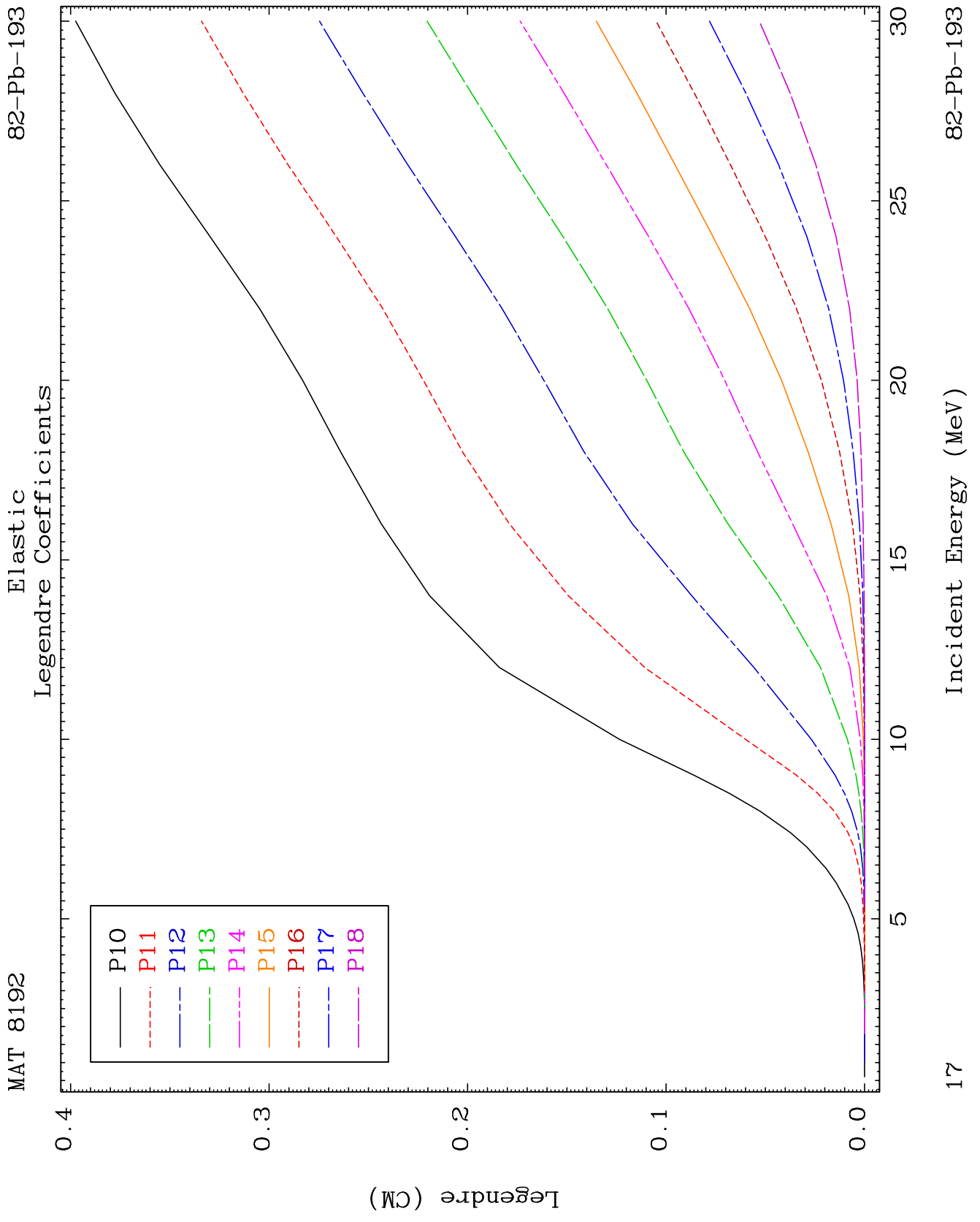
(n, α) Levels
293 Kelvin Cross Sections

82-Pb-193





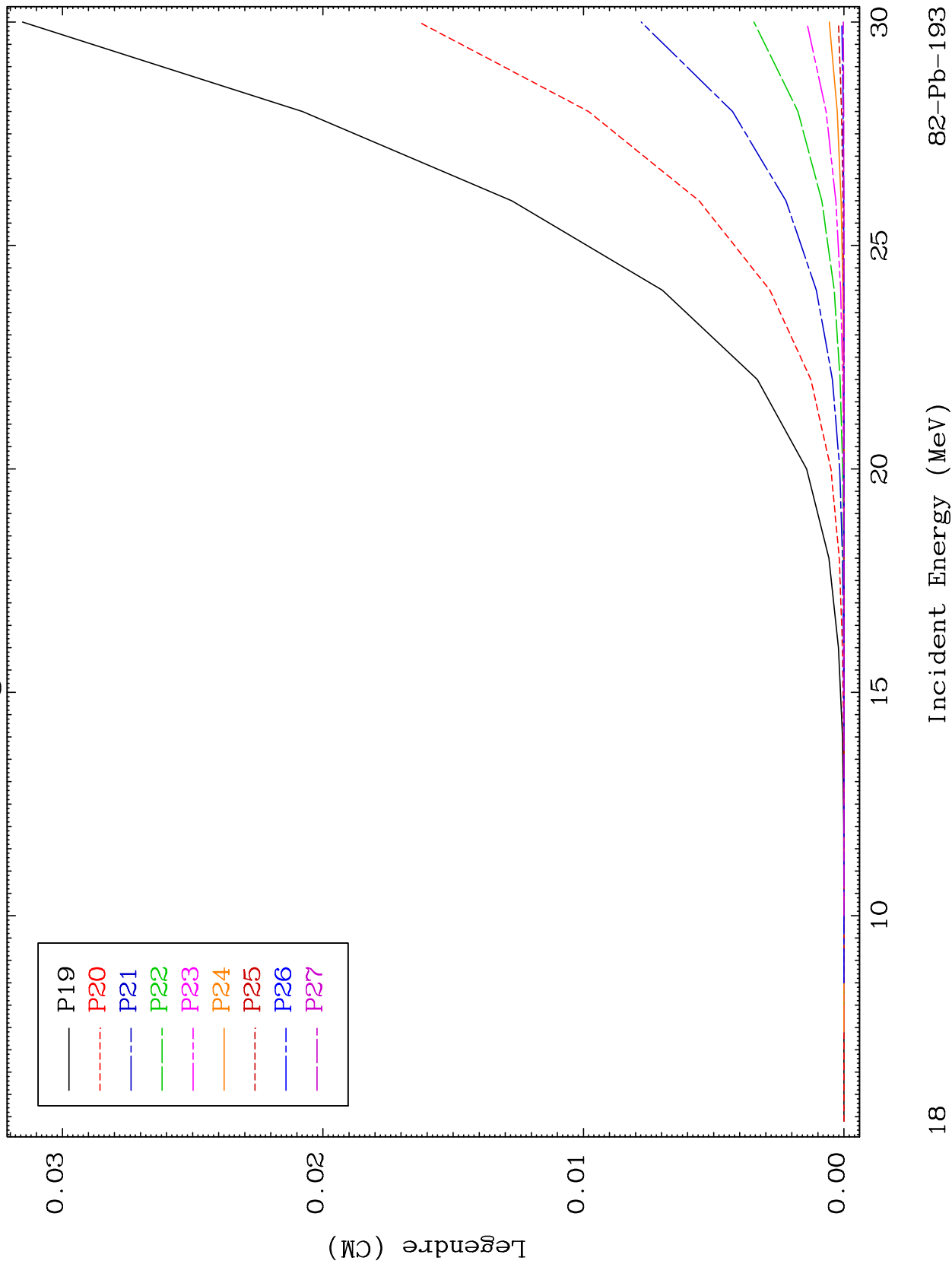




MAT 8192

Elastic Legendre Coefficients

82-Pb-193



18

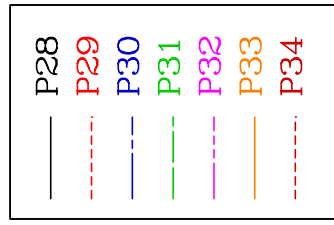
Incident Energy (MeV)

82-Pb-193

MAT 8192

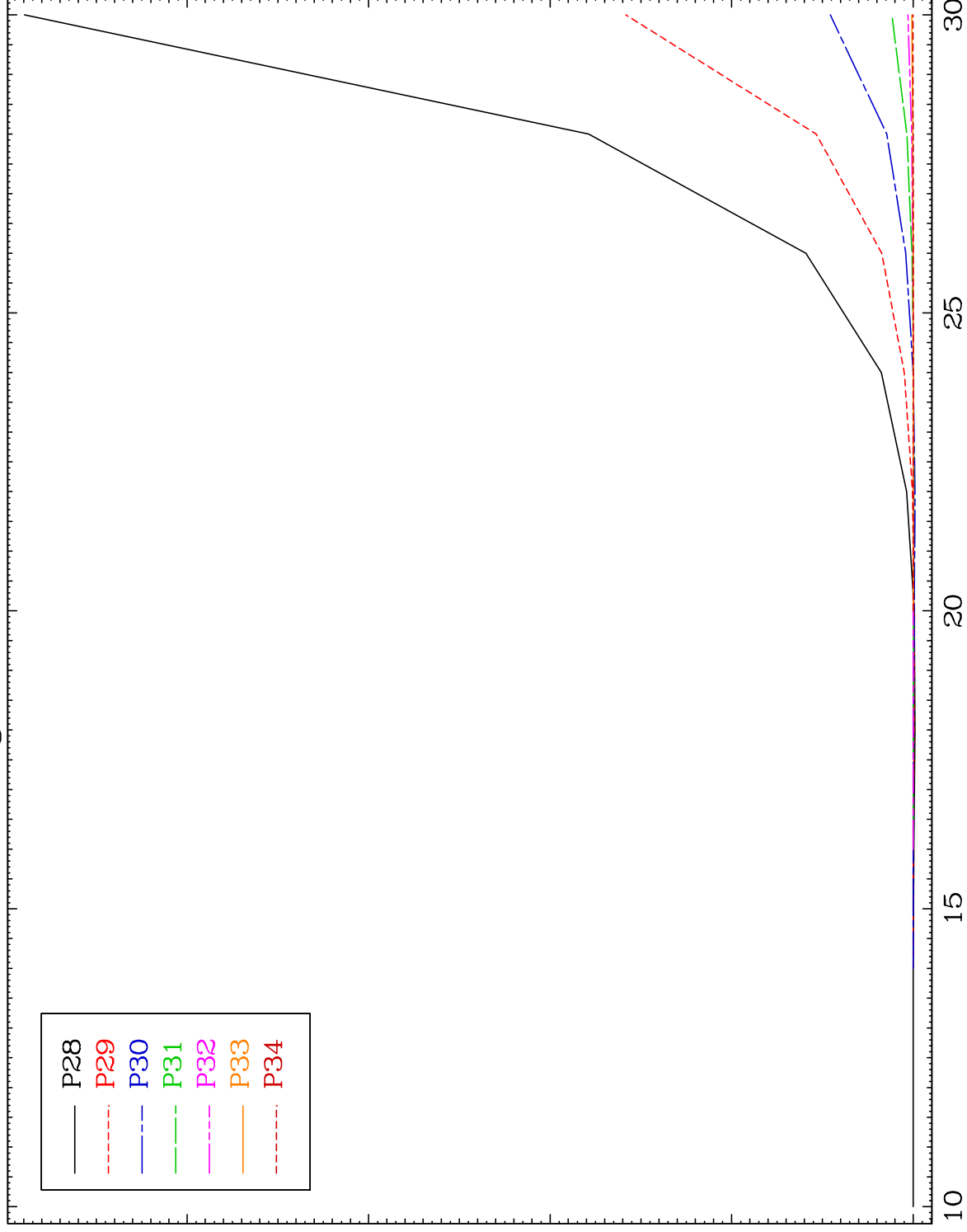
Elastic
Legendre Coefficients

82-Pb-193



$\times 10^{-6}$

Legendre (CM)



10

Incident Energy (MeV)

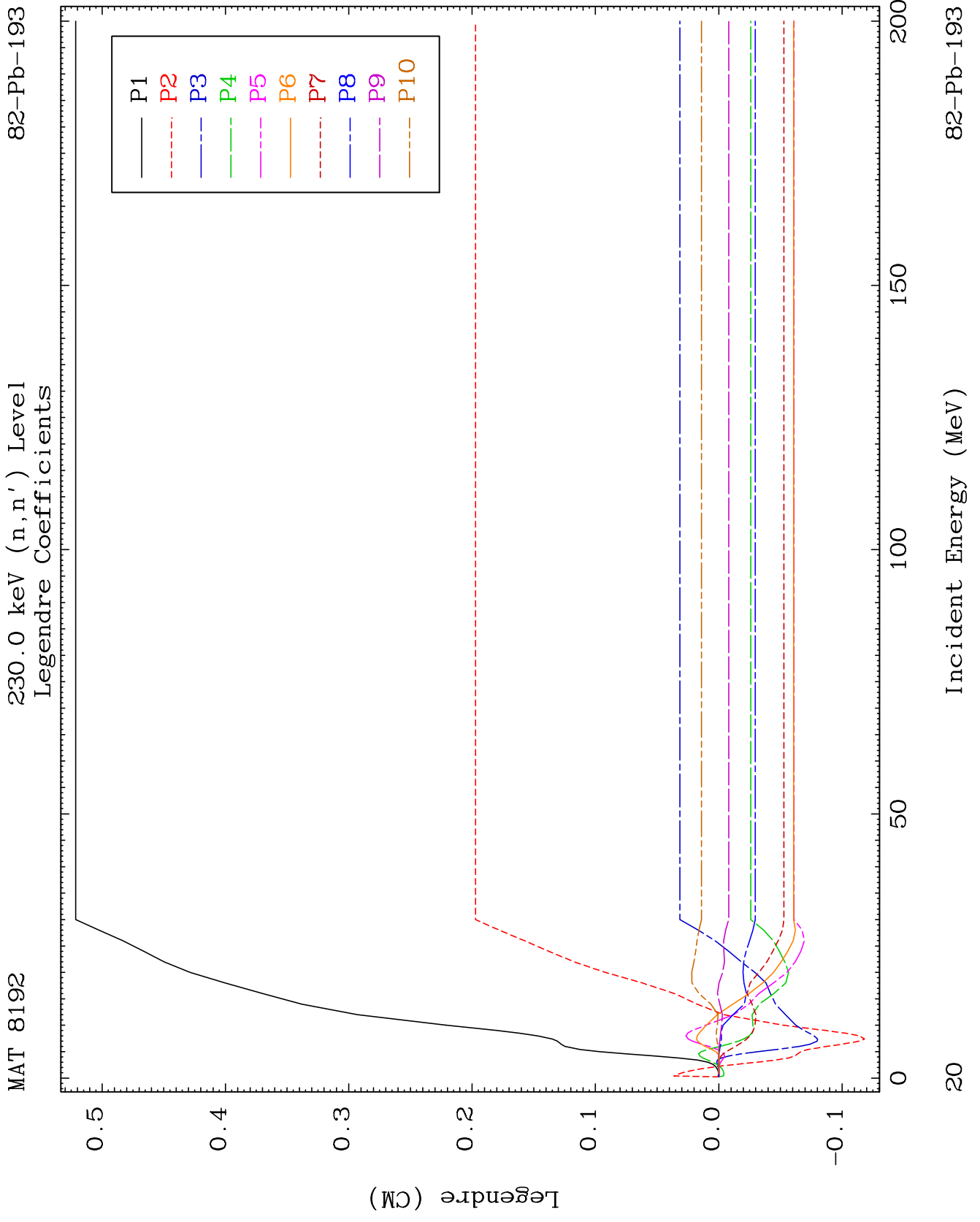
82-Pb-193

15

20

25

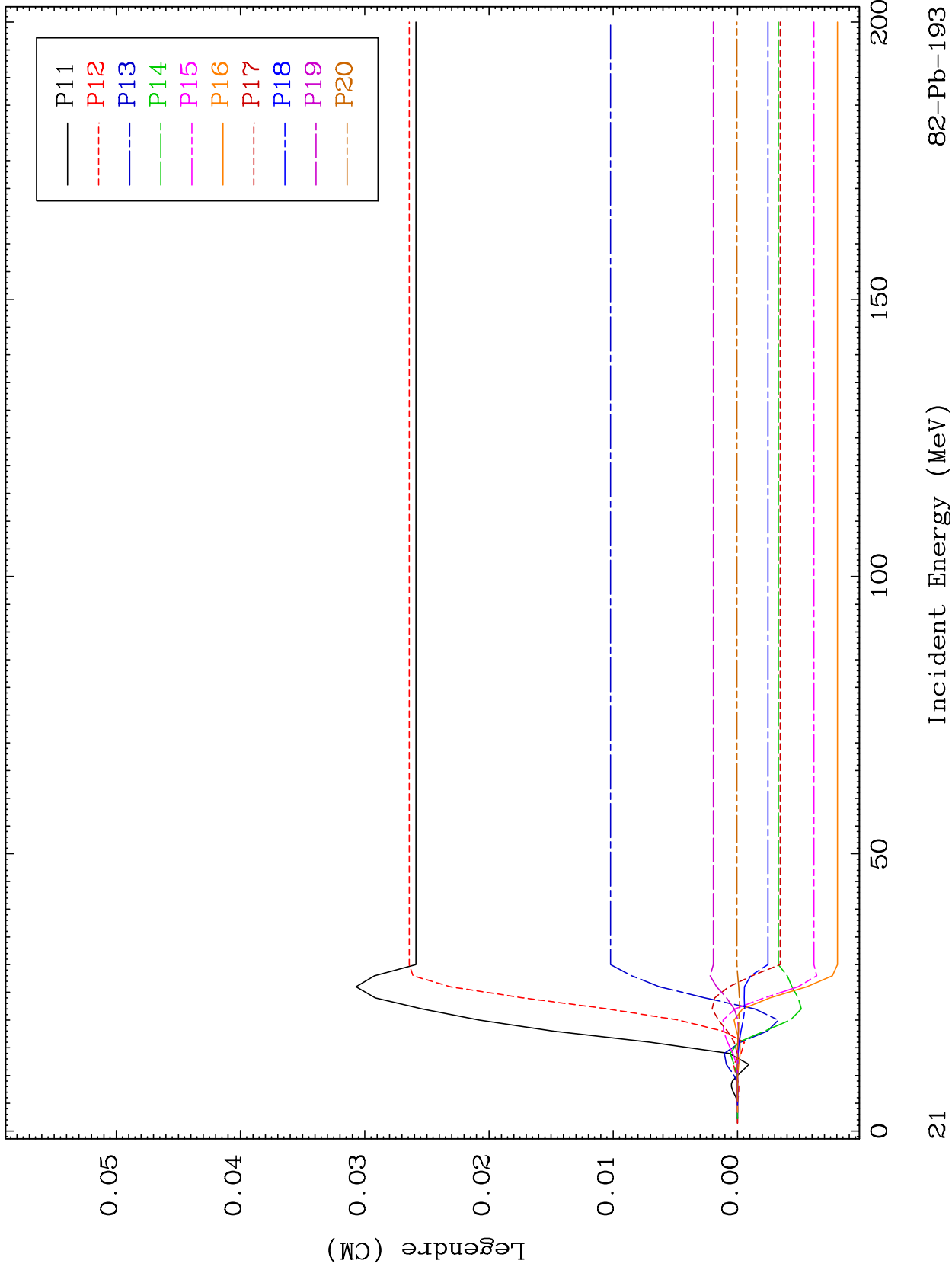
30



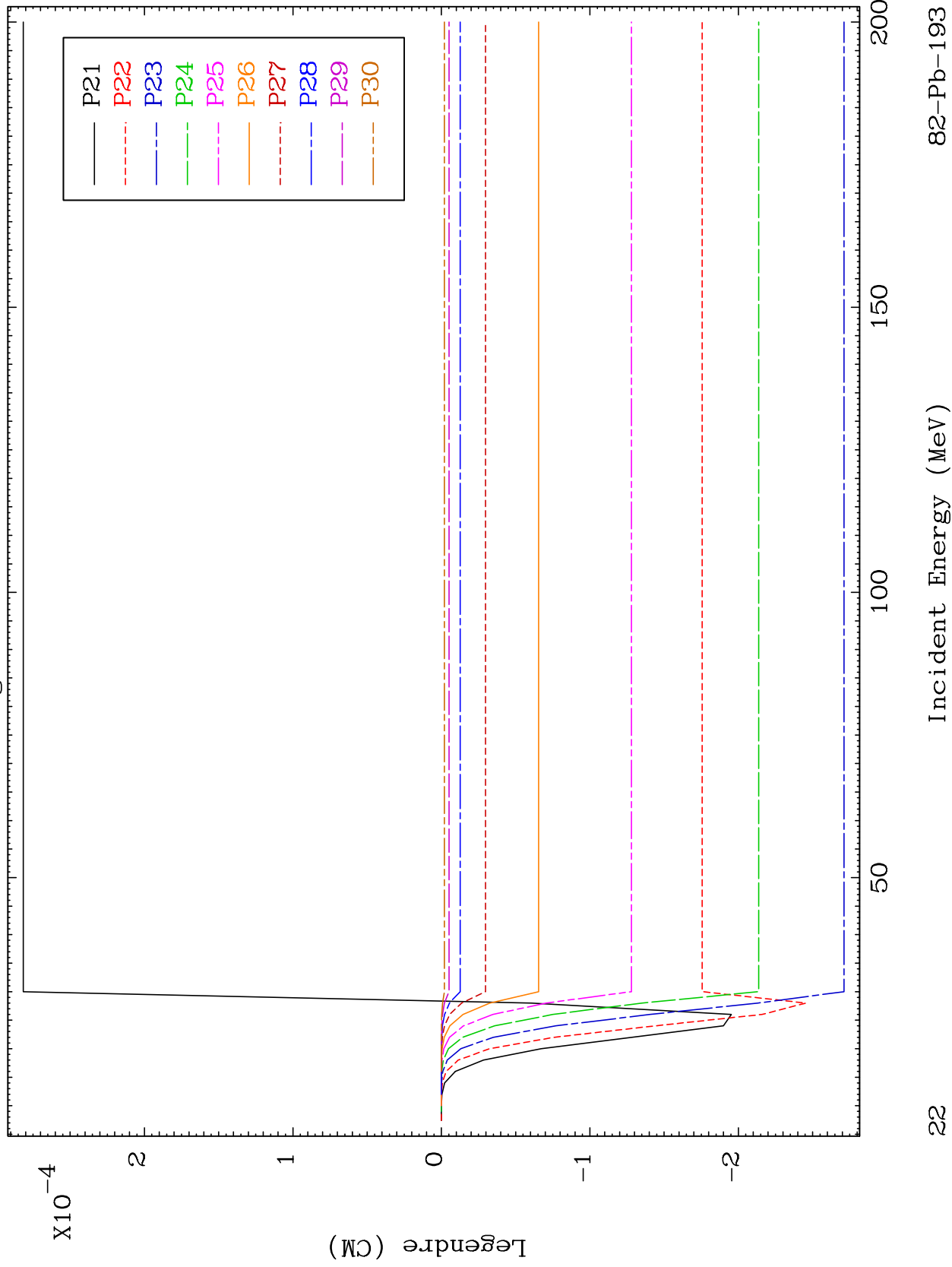
MAT 8192

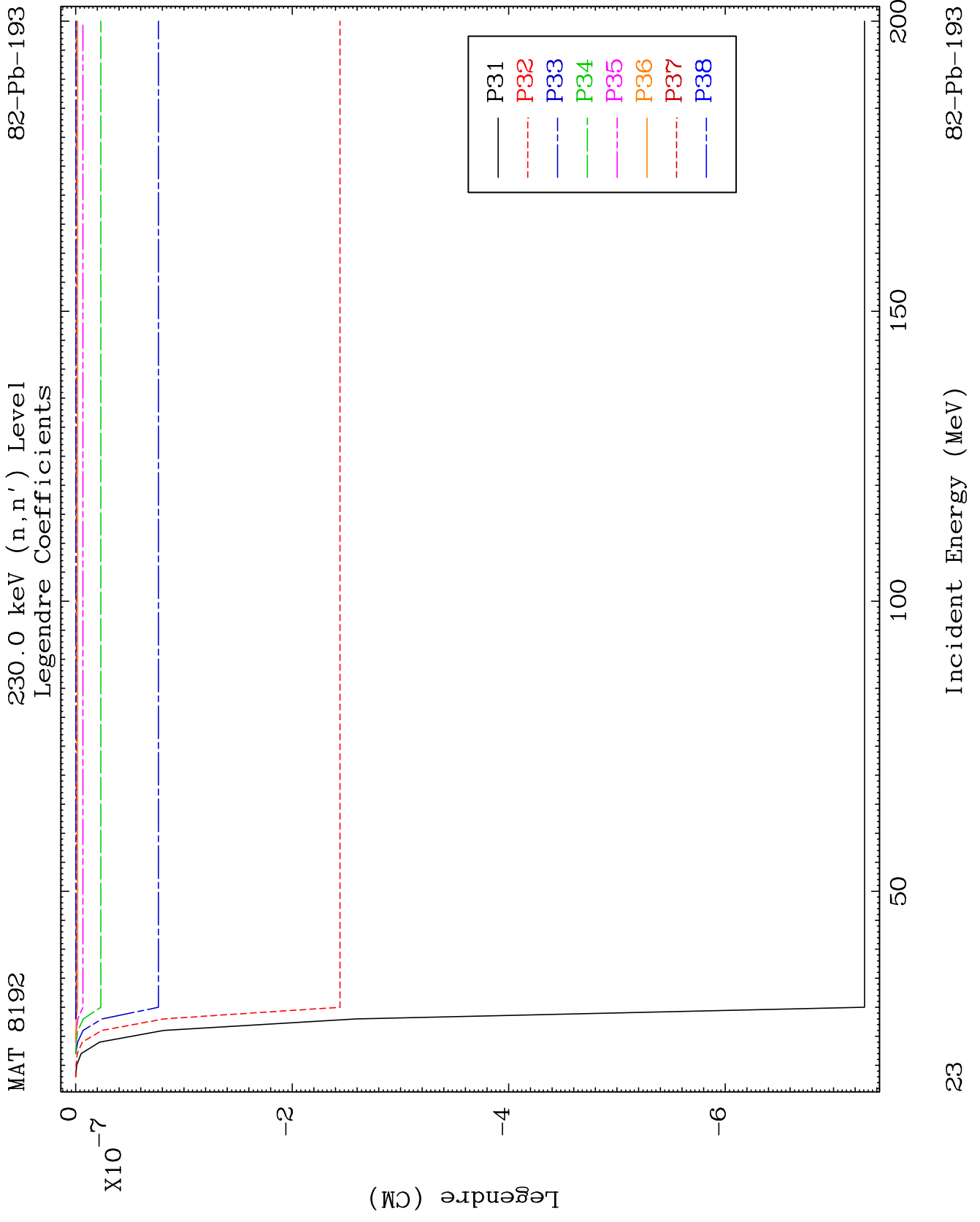
230.0 keV (n,n') Level
Legendre Coefficients

82-Pb-193



21

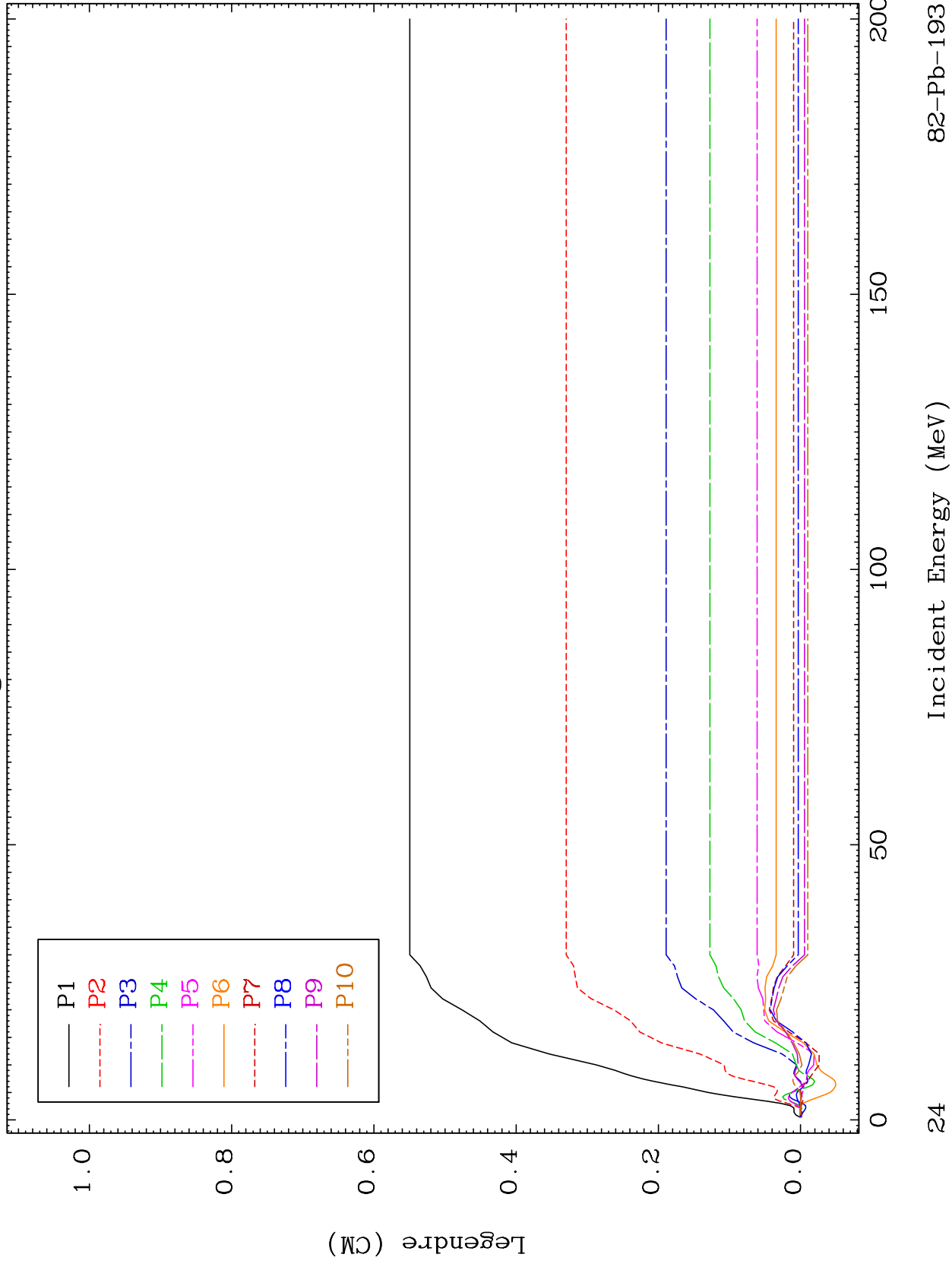




MAT 8192

441.5 keV (n, n') Level
Legendre Coefficients

82-Pb-193

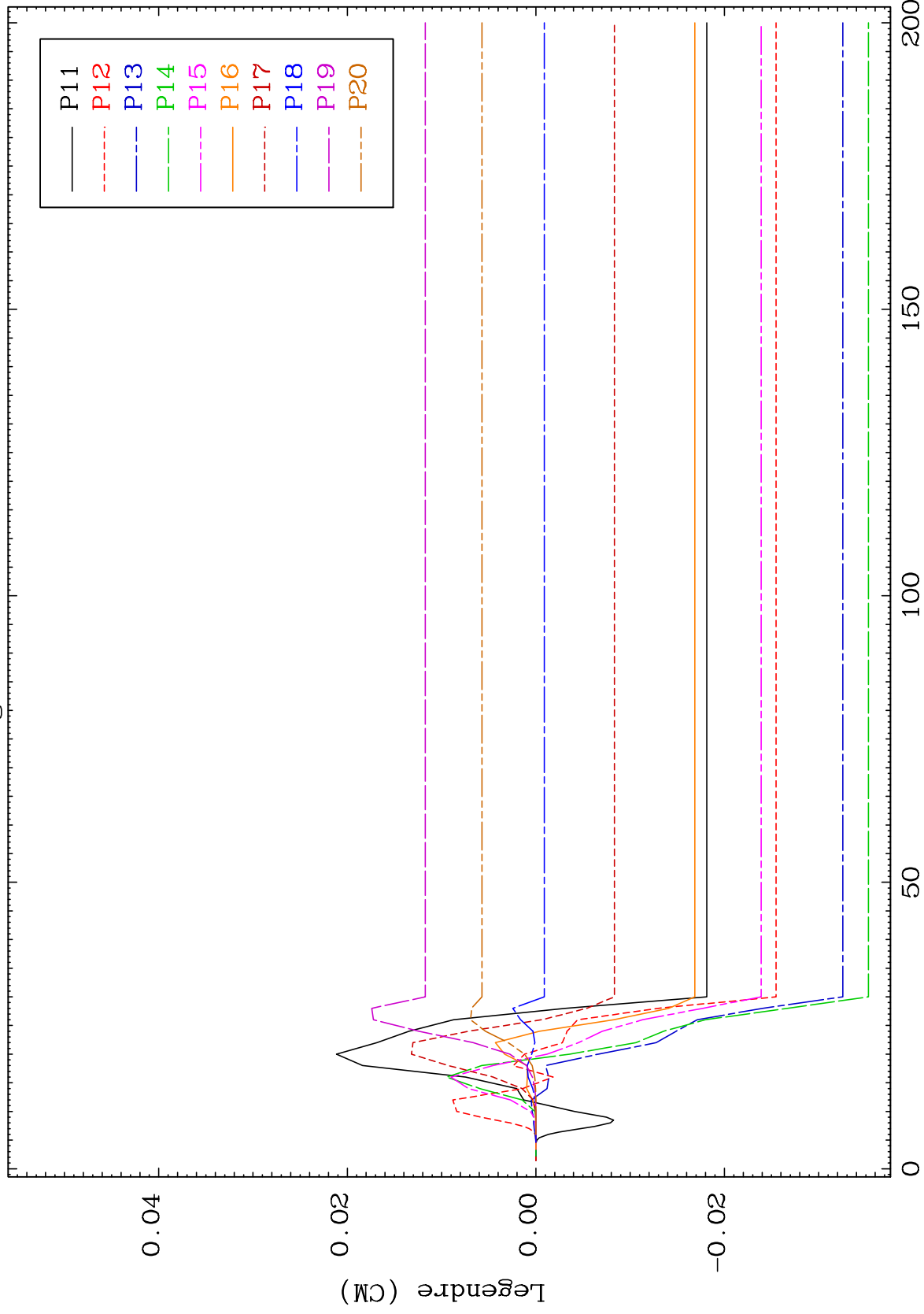


24

MAT 8192

441.5 keV (n,n') Level
Legendre Coefficients

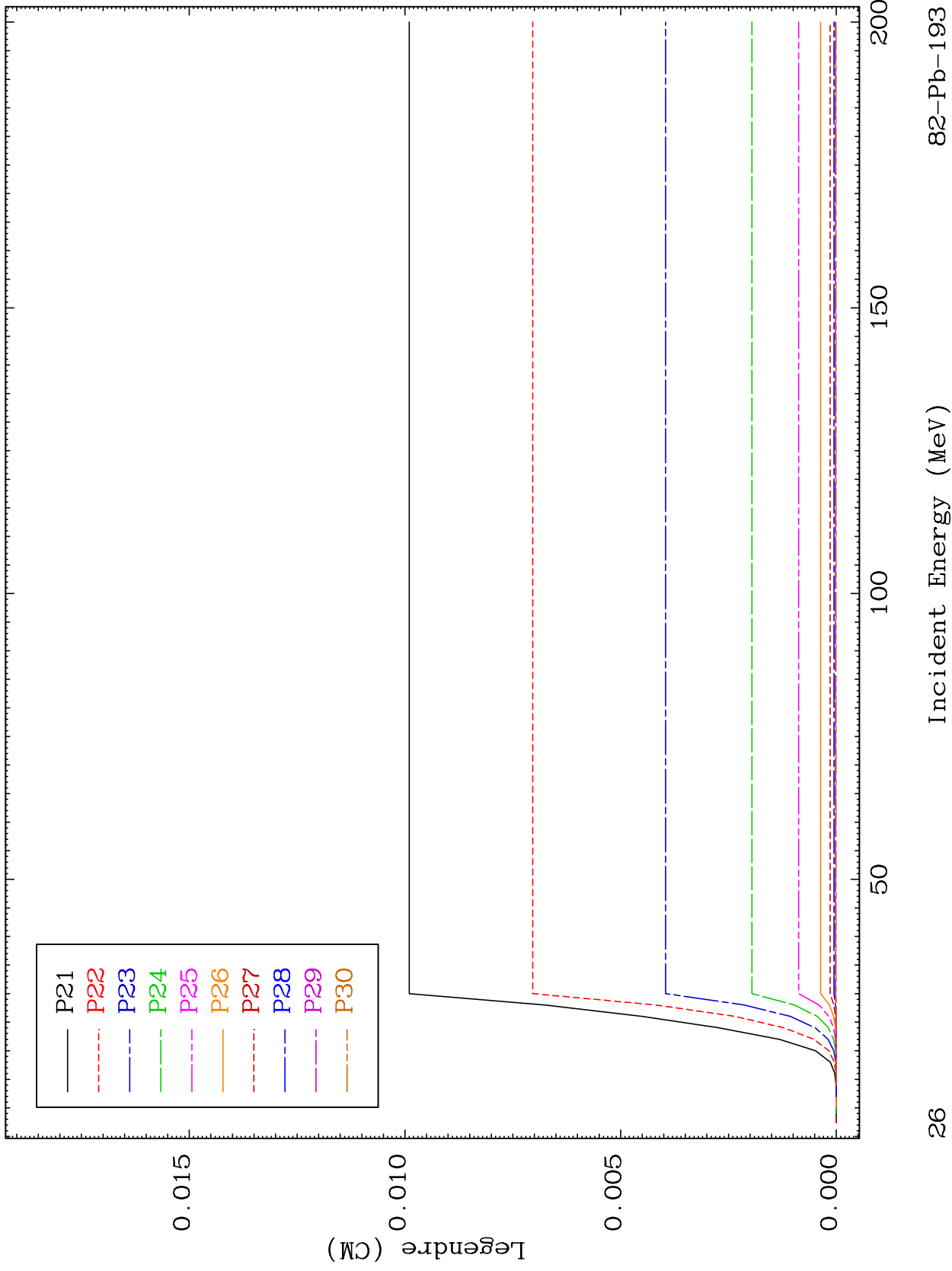
82-Pb-193



25

Incident Energy (MeV)

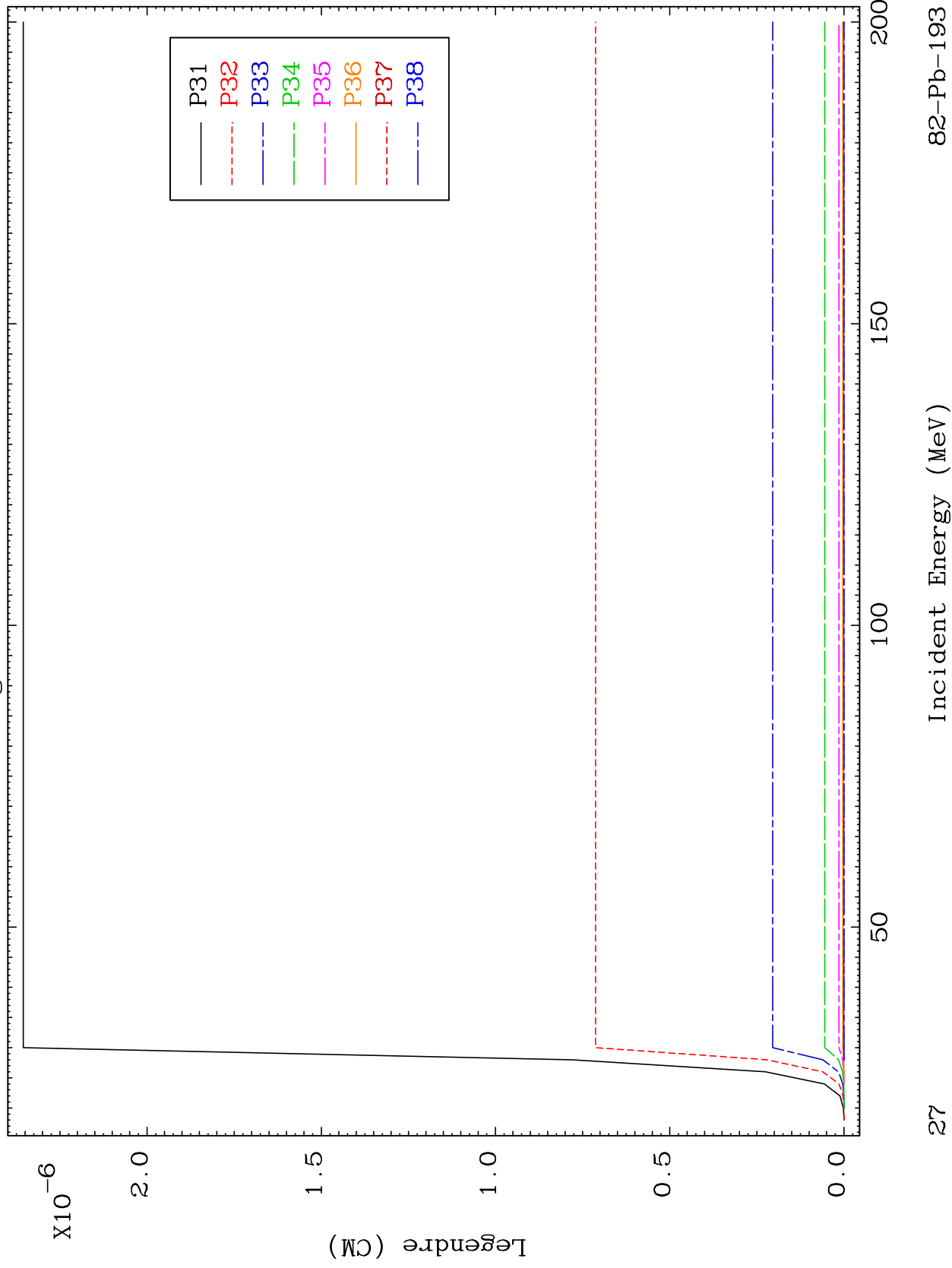
82-Pb-193



MAT 8192

441.5 keV (n,n') Level
Legendre Coefficients

82-Pb-193



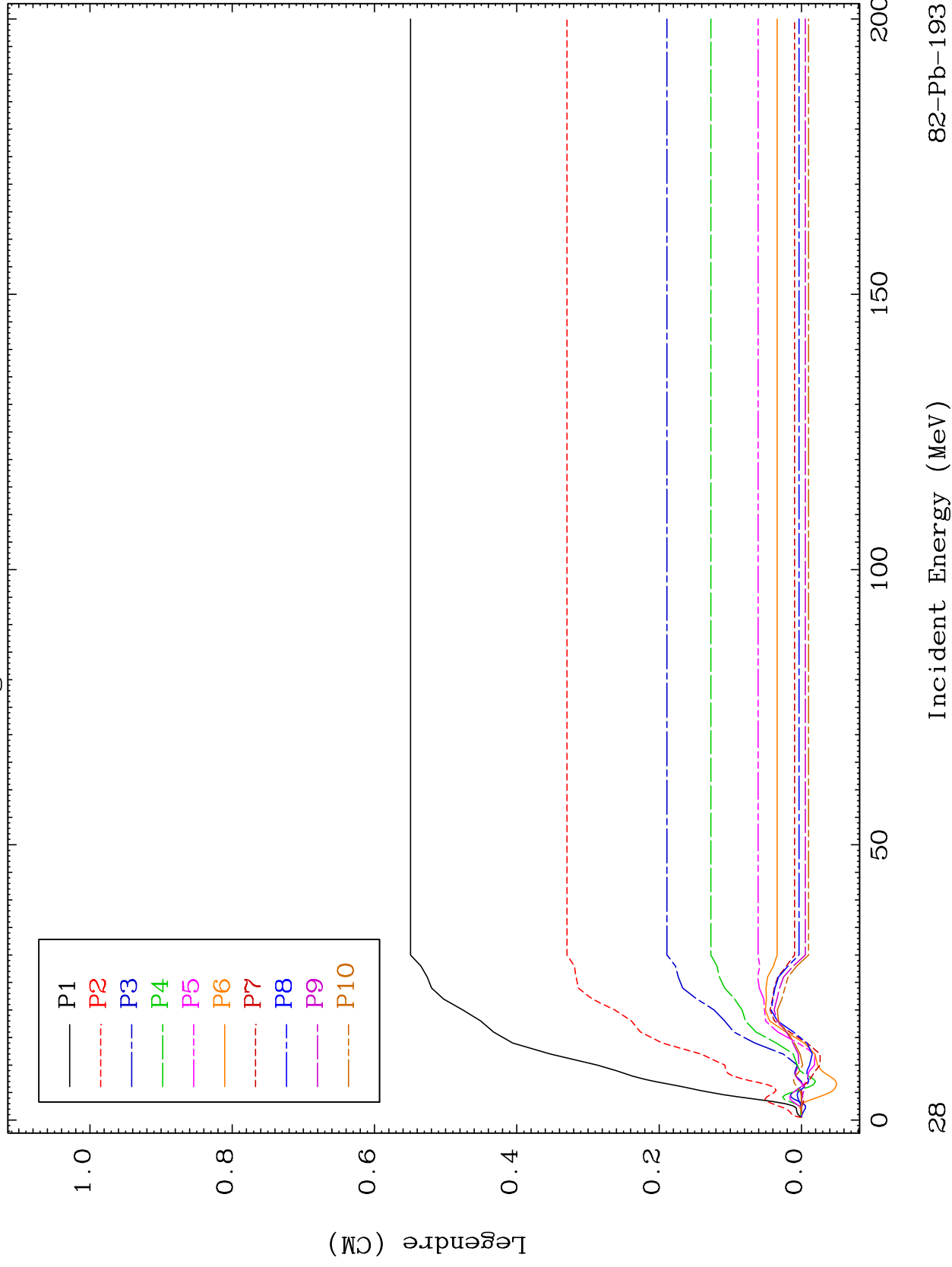
27

82-Pb-193

MAT 8192

473.0 keV (n,n') Level
Legendre Coefficients

82-Pb-193

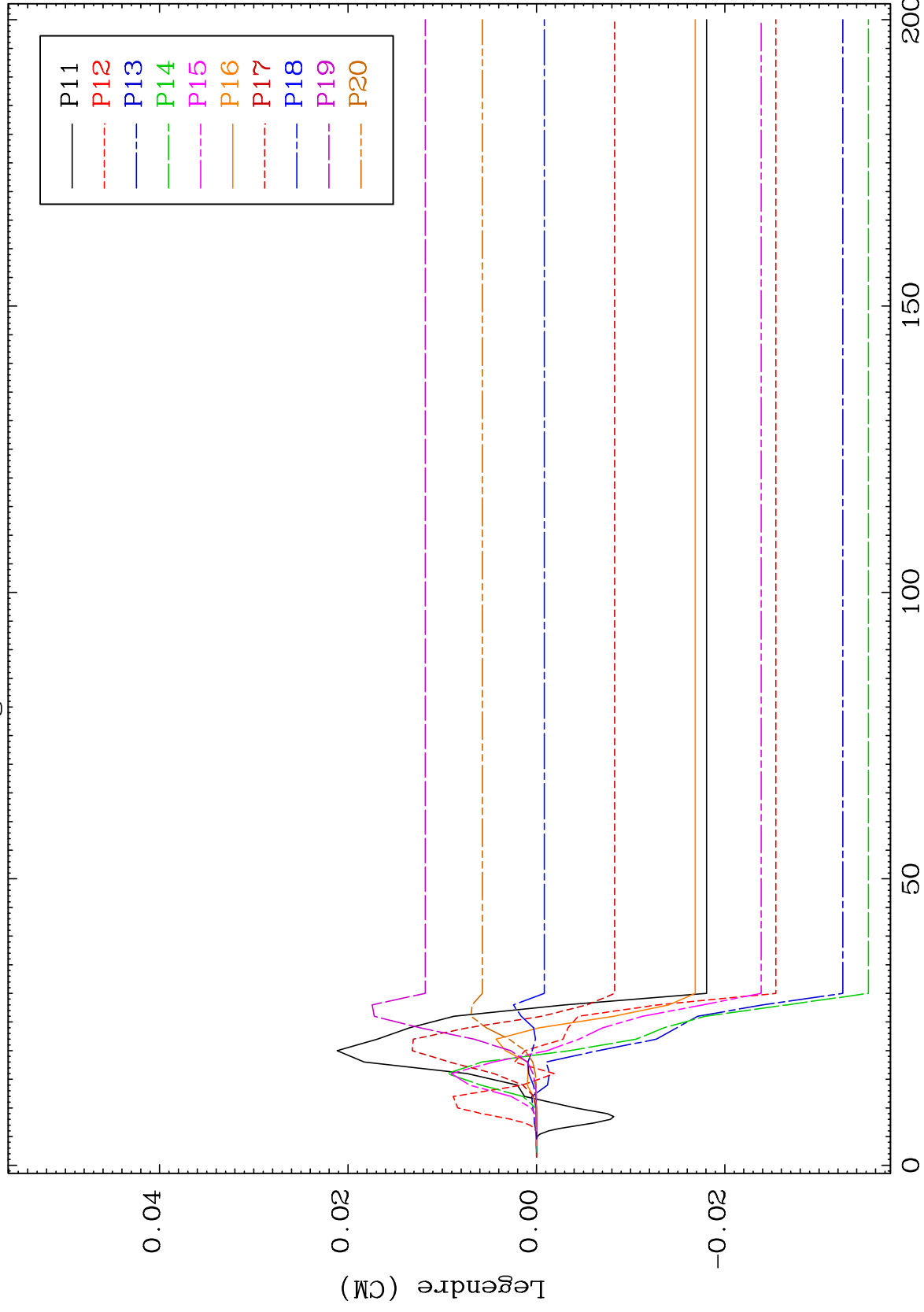


28

MAT 8192

473.0 keV (n,n') Level
Legendre Coefficients

82-Pb-193



29

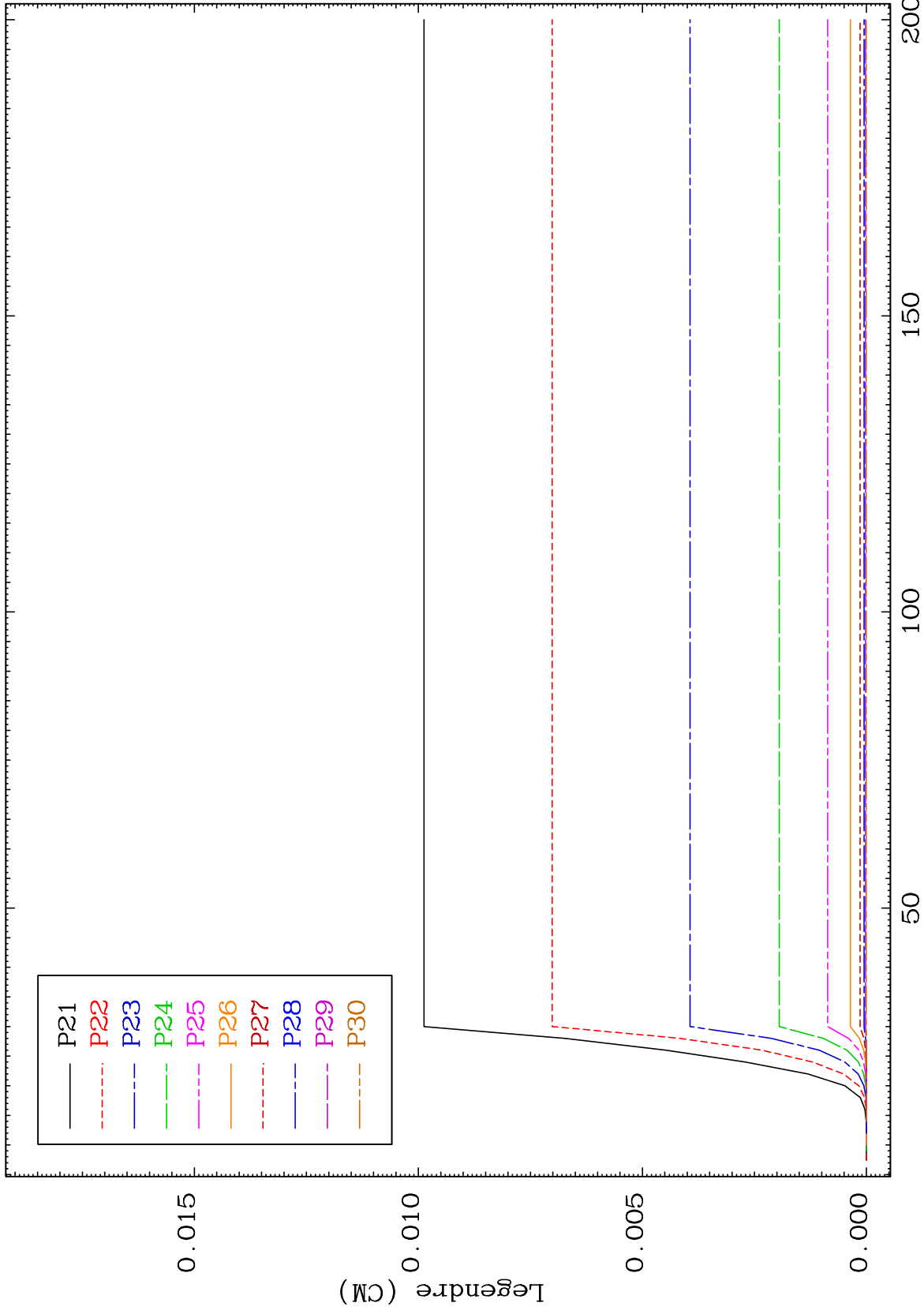
Incident Energy (MeV)

82-Pb-193

MAT 8192

473.0 keV (n,n') Level
Legendre Coefficients

82-Pb-193



30

Incident Energy (MeV)

50

100

150

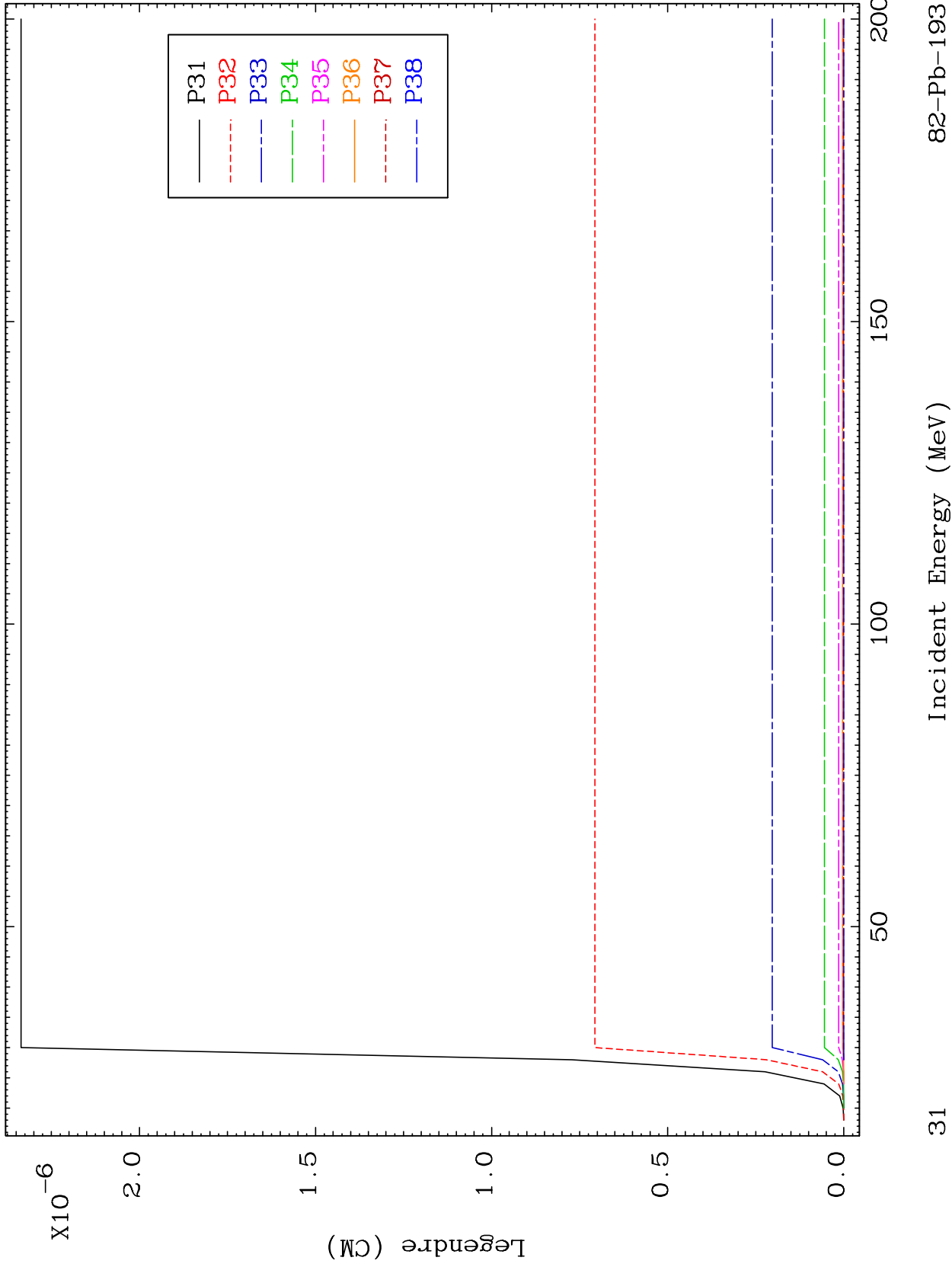
200

82-Pb-193

MAT 8192

473.0 keV (n,n') Level
Legendre Coefficients

82-Pb-193

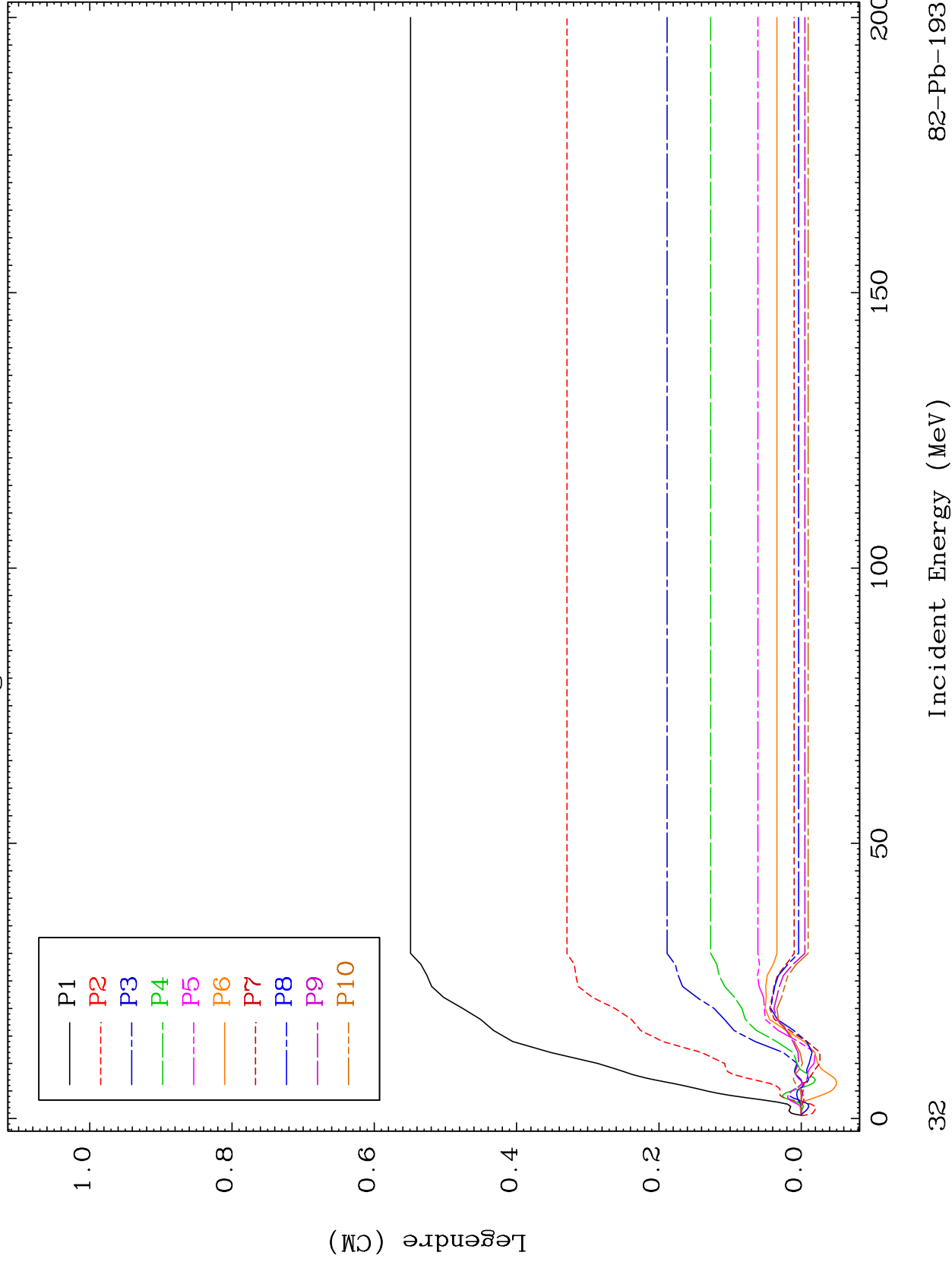


31

MAT 8192

538.6 keV (n,n') Level
Legendre Coefficients

82-Pb-193

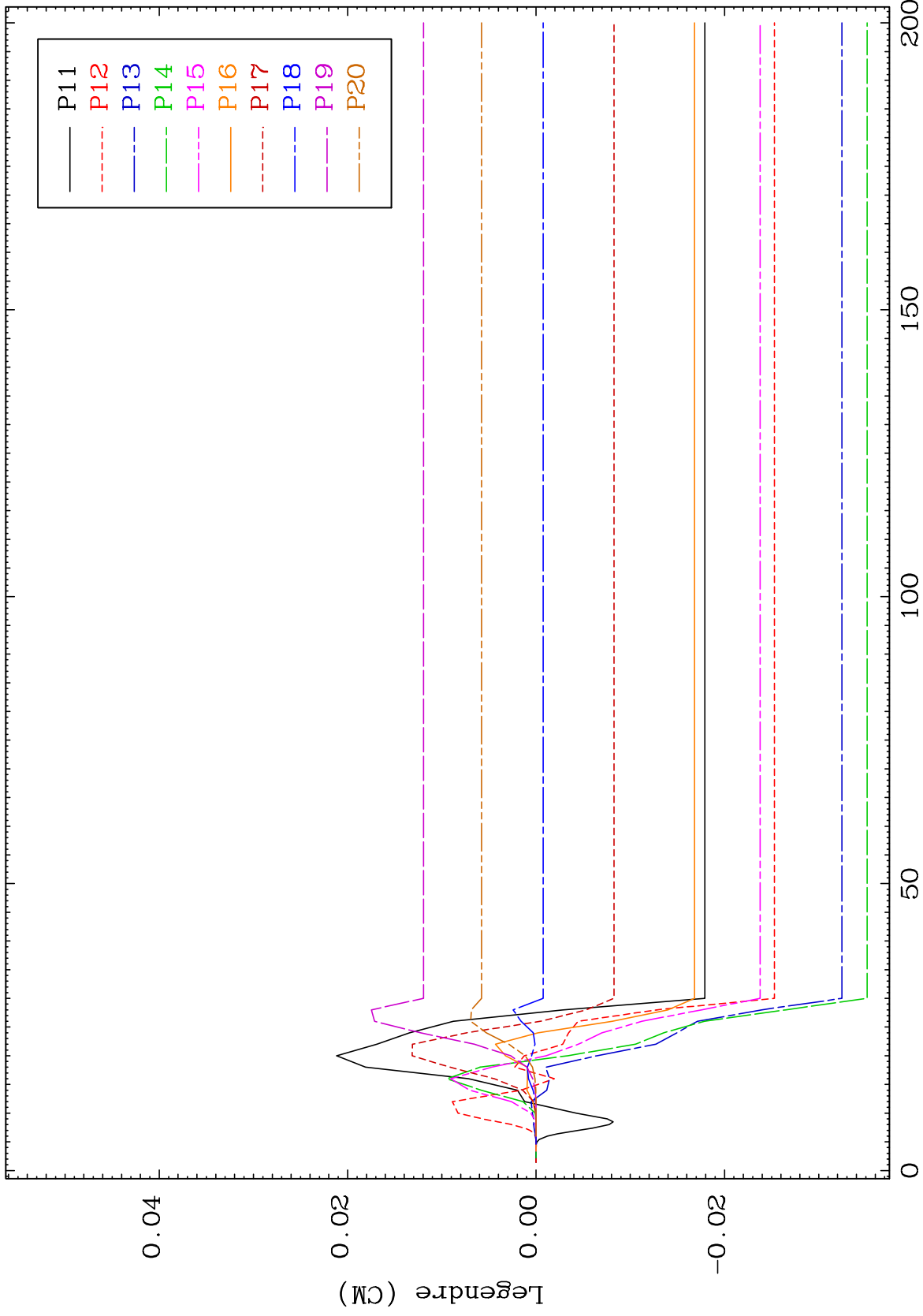


32

MAT 8192

538.6 keV (n,n') Level
Legendre Coefficients

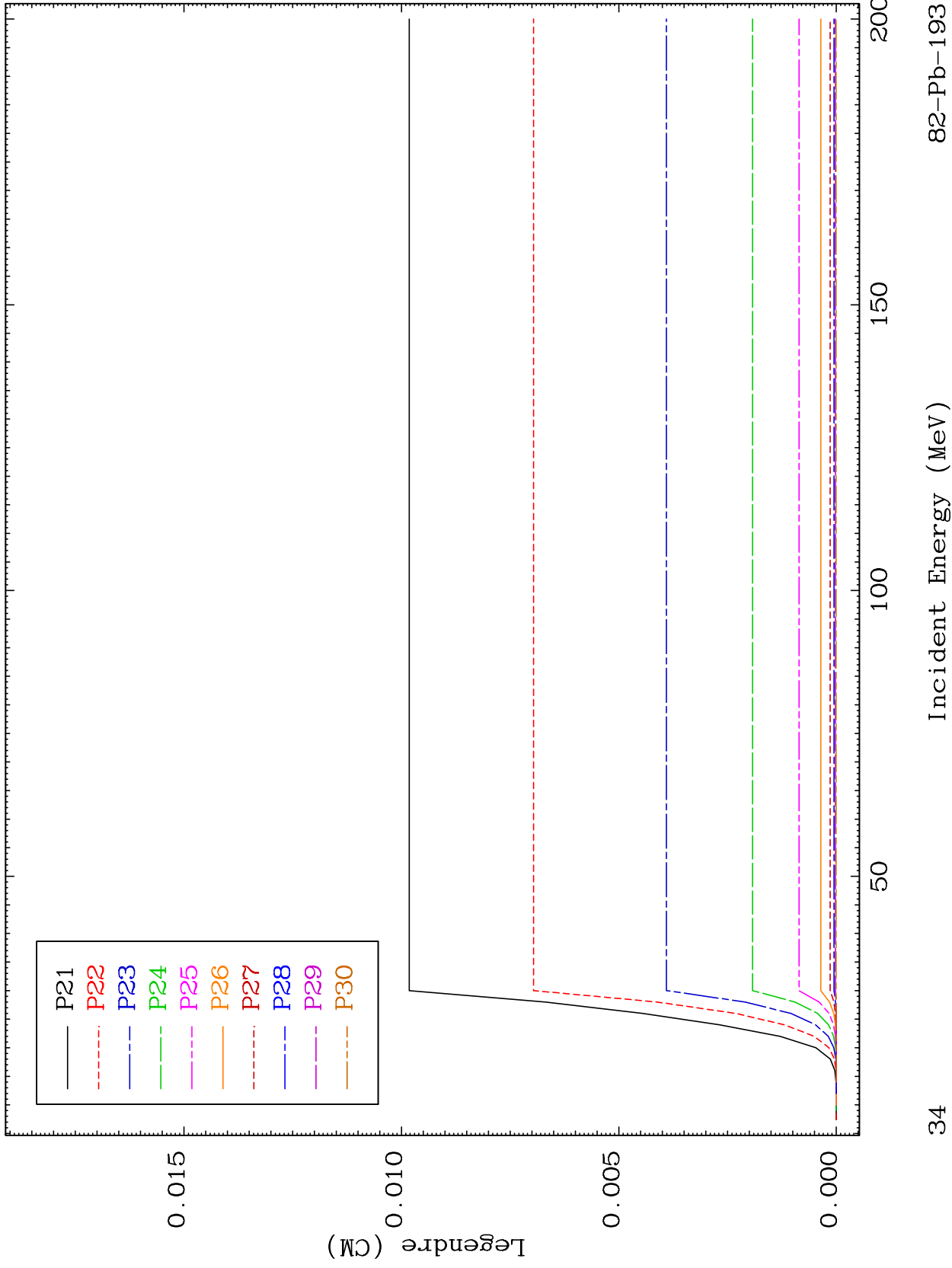
82-Pb-193



33

Incident Energy (MeV)

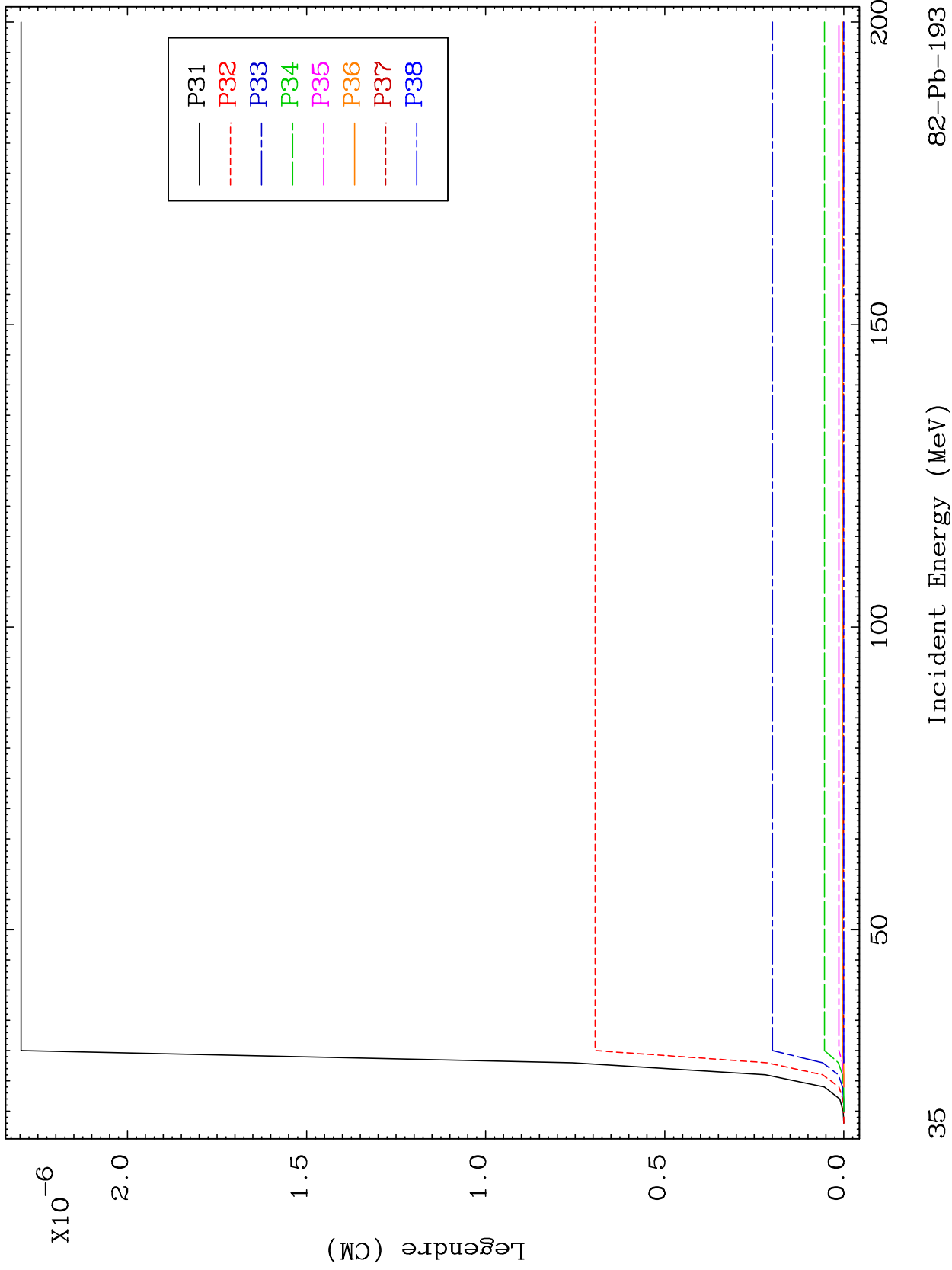
82-Pb-193



MAT 8192

538.6 keV (n,n') Level
Legendre Coefficients

82-Pb-193



35

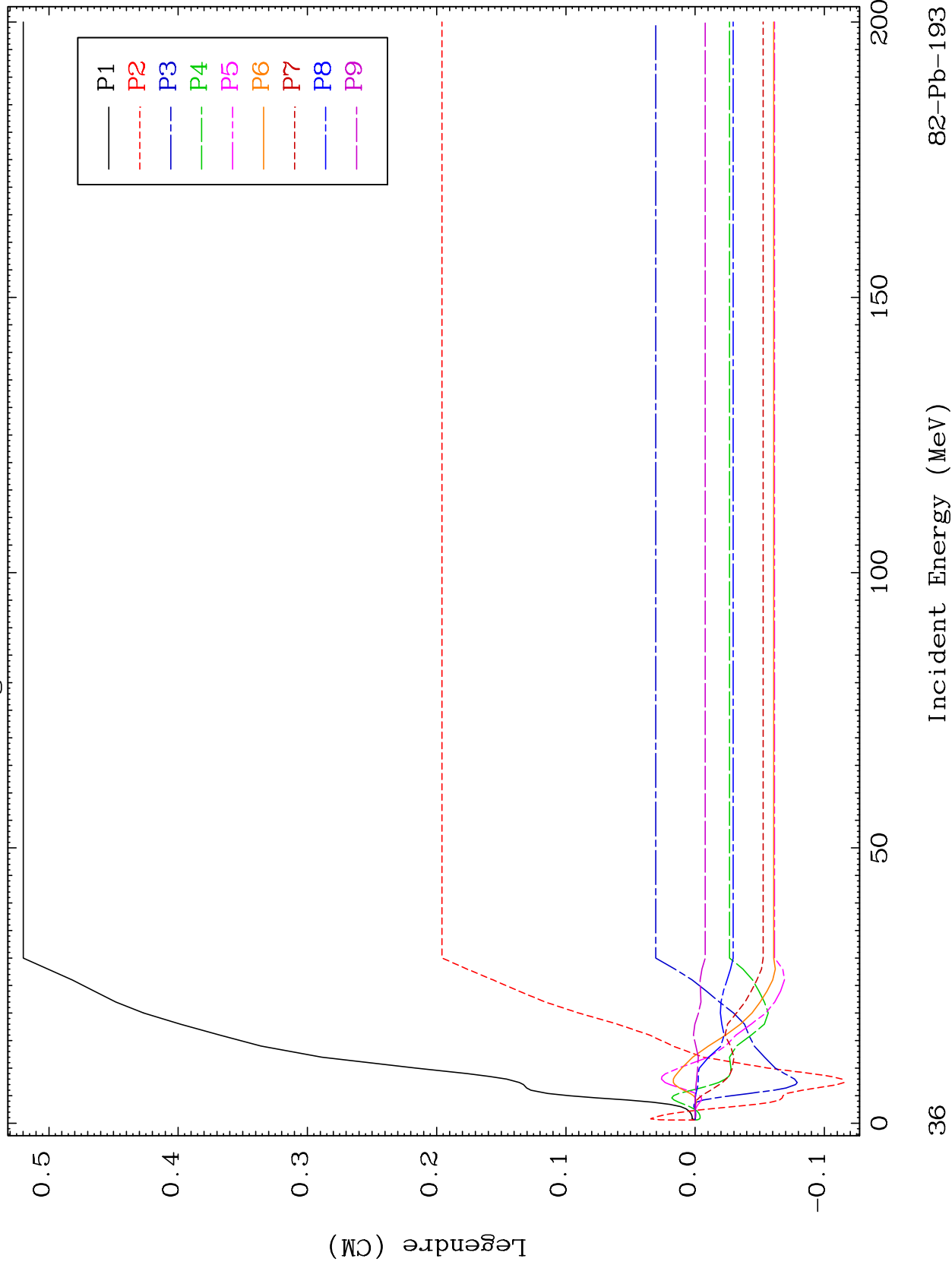
Incident Energy (MeV)

82-Pb-193

MAT 8192

557.8 keV (n,n') Level
Legendre Coefficients

82-Pb-193



82-Pb-193

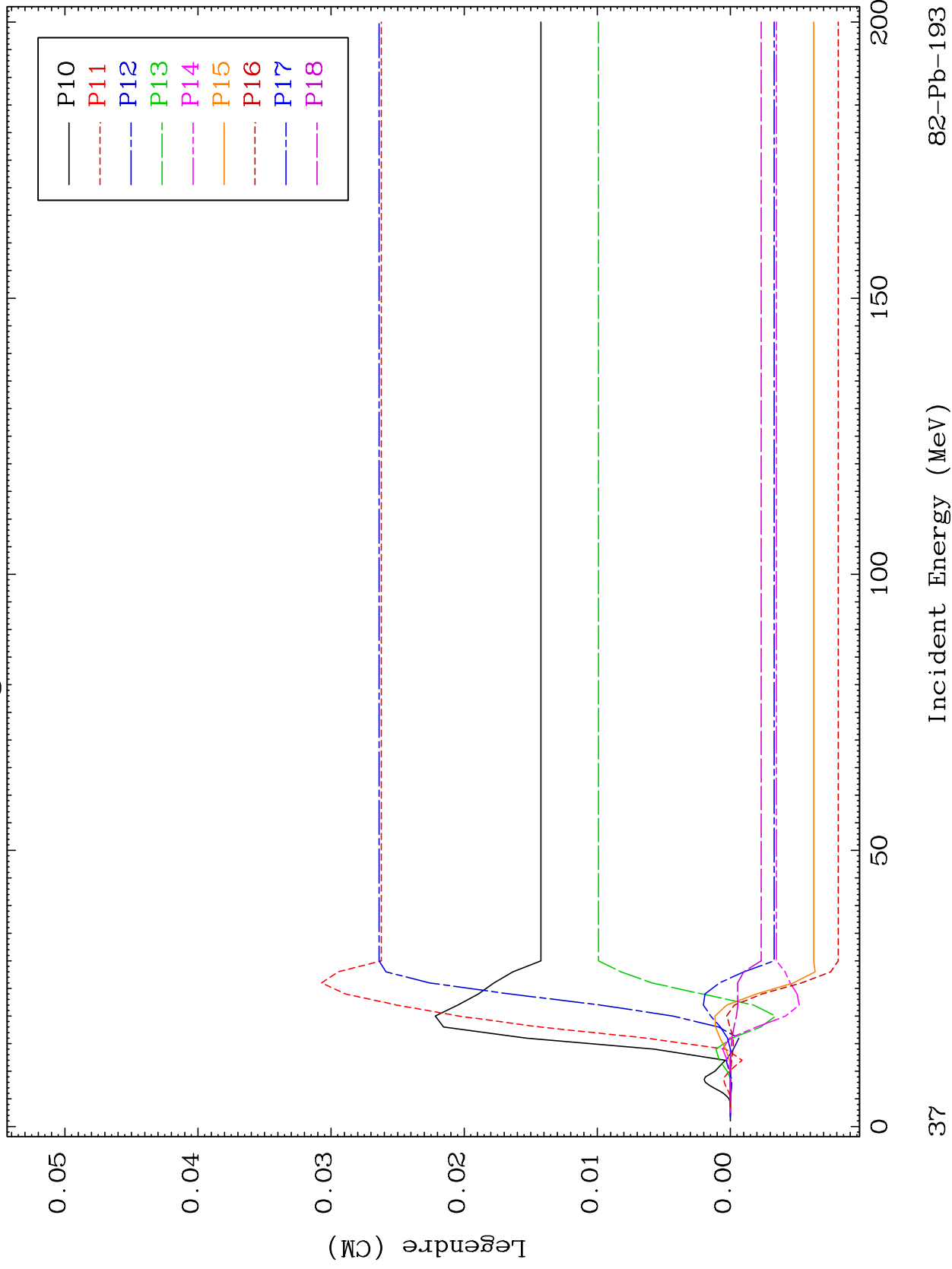
Incident Energy (MeV)

36

MAT 8192

557.8 keV (n,n') Level
Legendre Coefficients

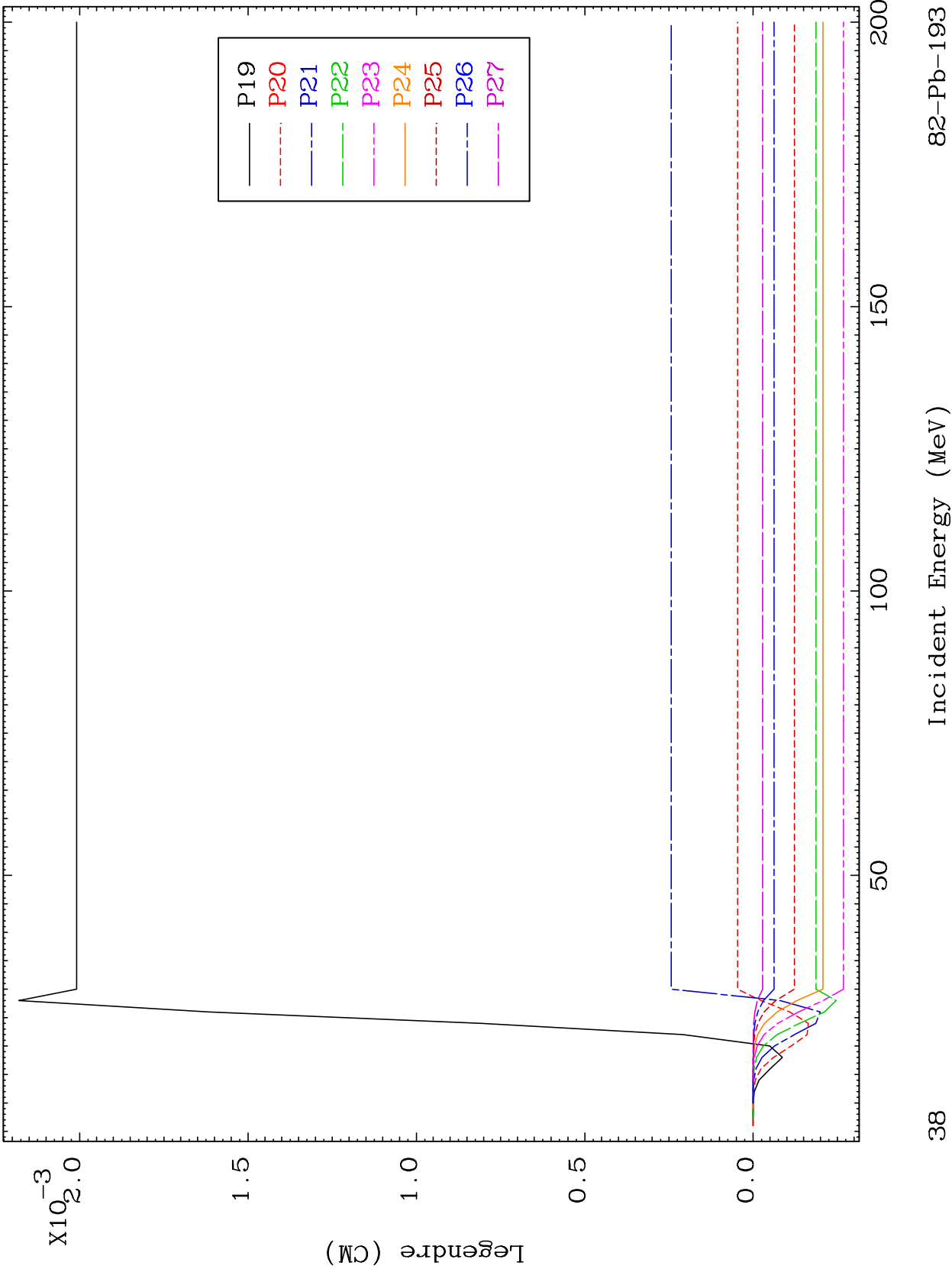
82-Pb-193

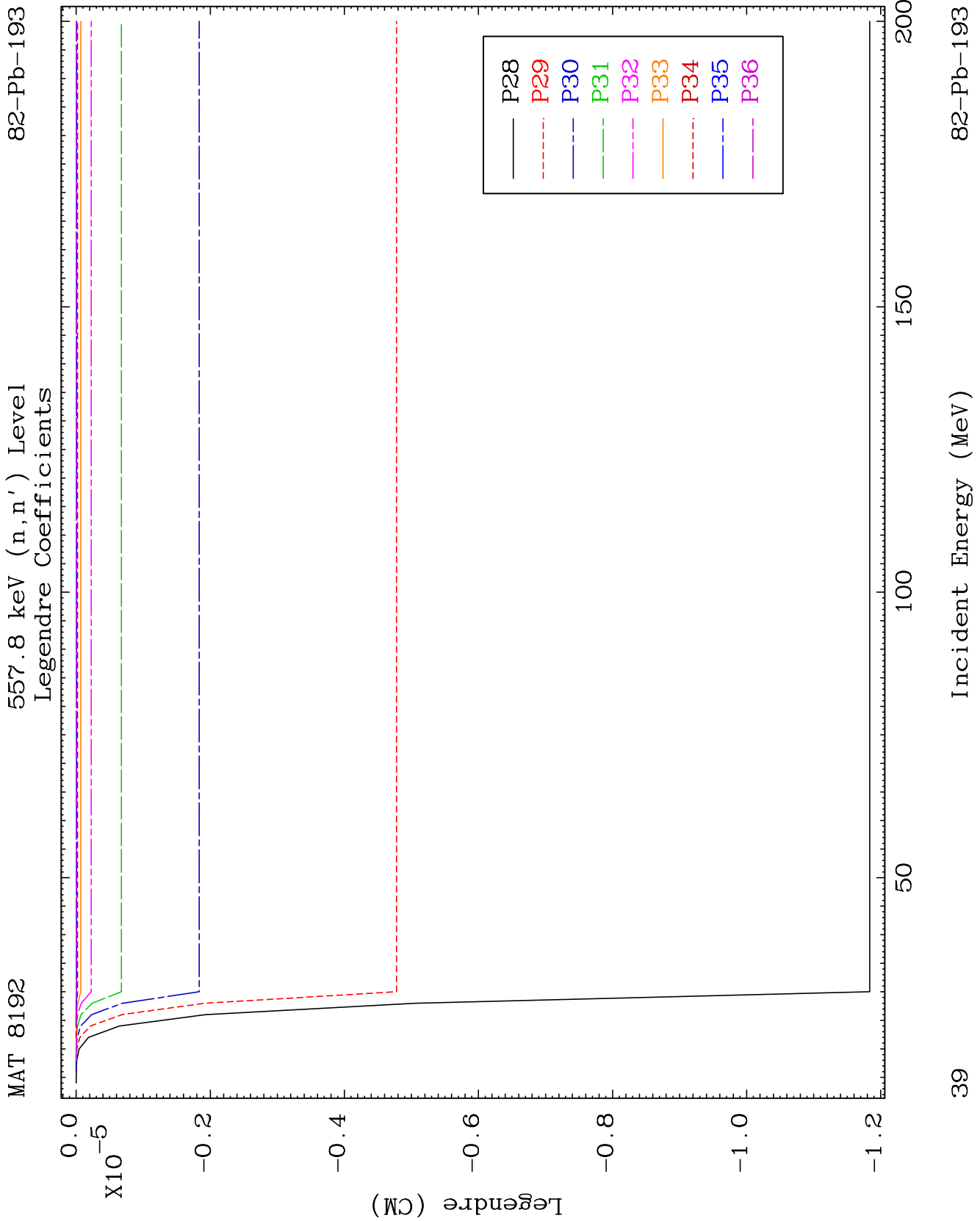


37

Incident Energy (MeV)

82-Pb-193

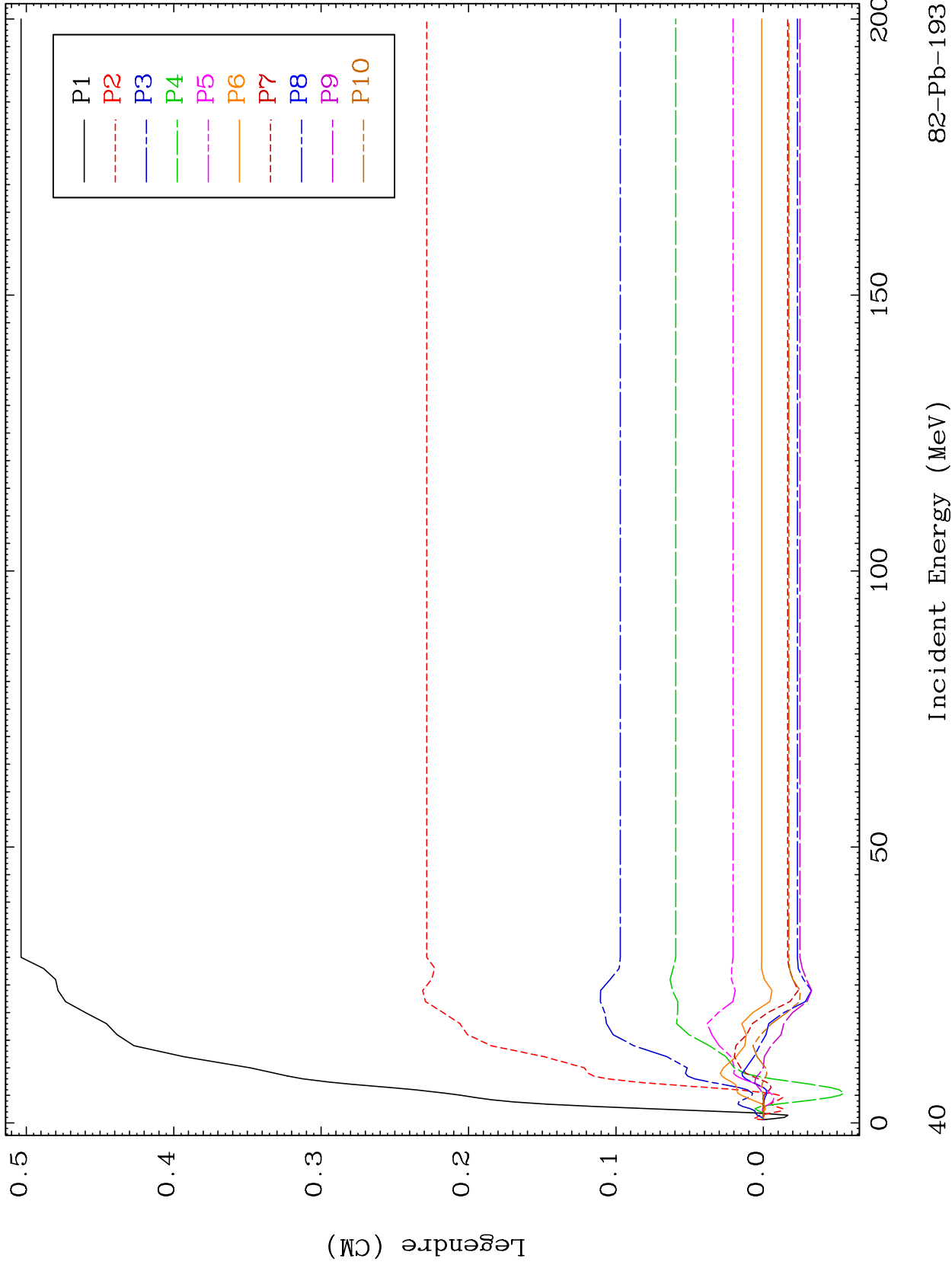




MAT 8192

585.1 keV (n,n') Level
Legendre Coefficients

82-Pb-193

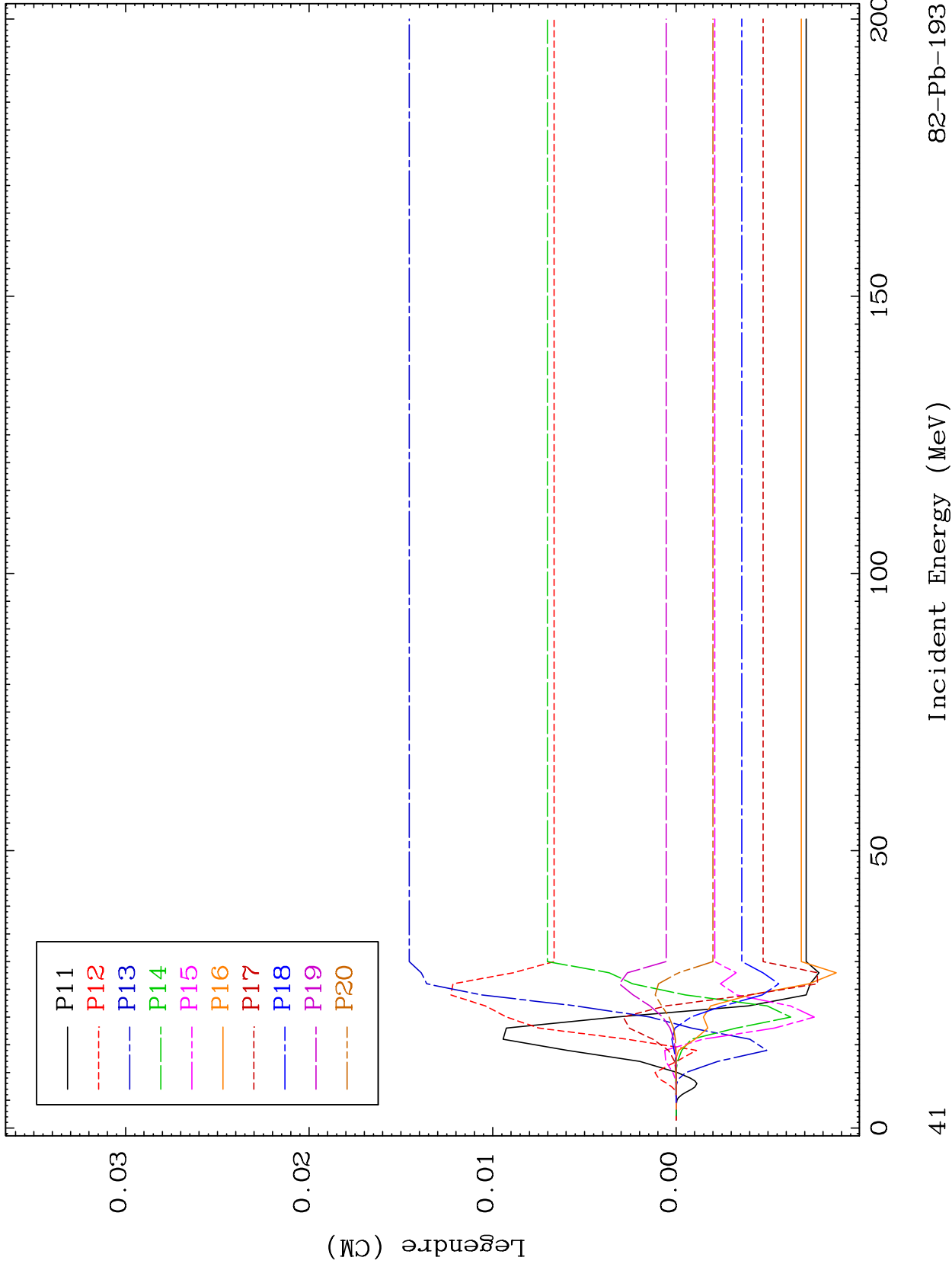


82-Pb-193

MAT 8192

585.1 keV (n,n') Level
Legendre Coefficients

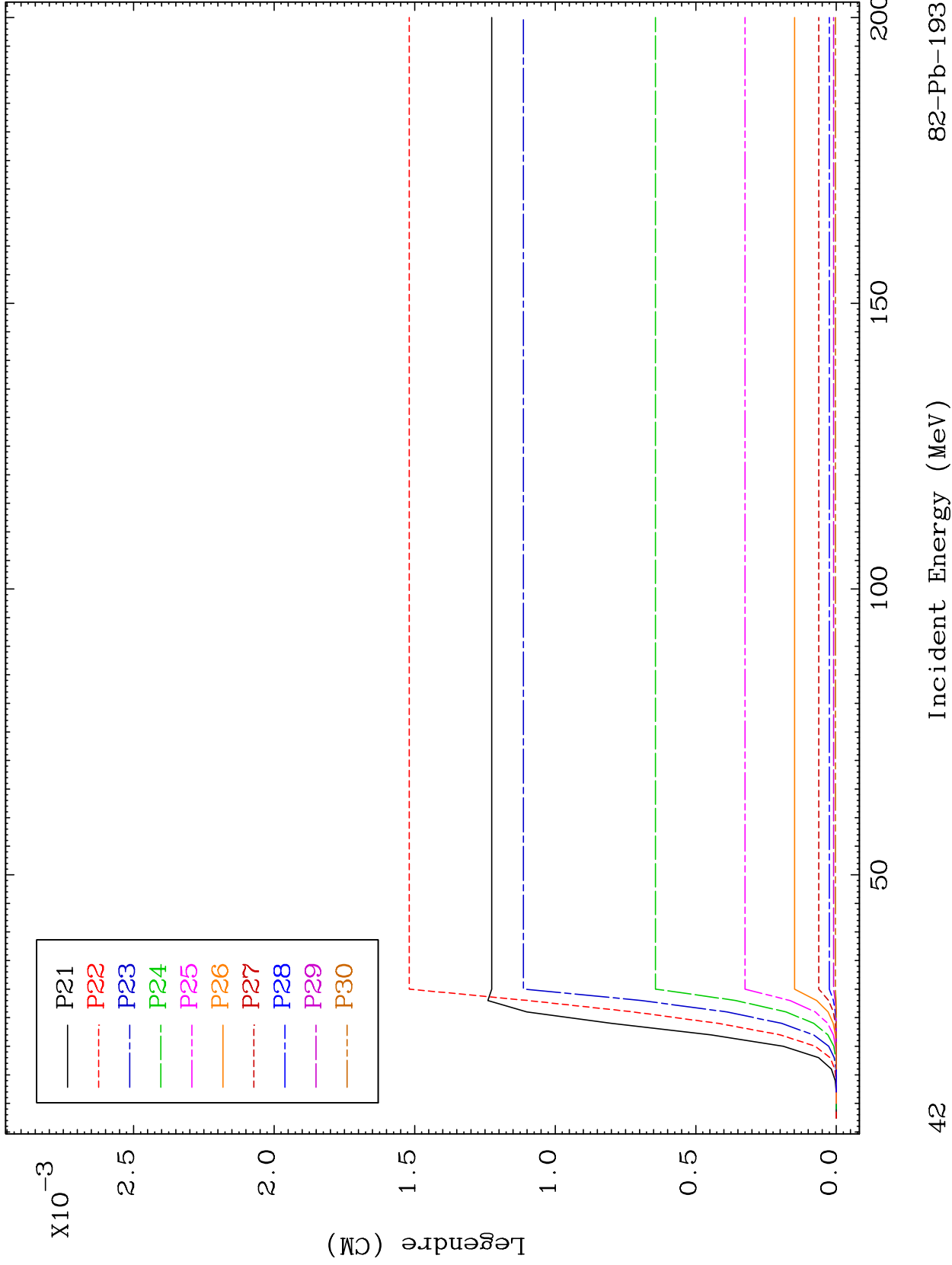
82-Pb-193



MAT 8192

585.1 keV (n,n') Level
Legendre Coefficients

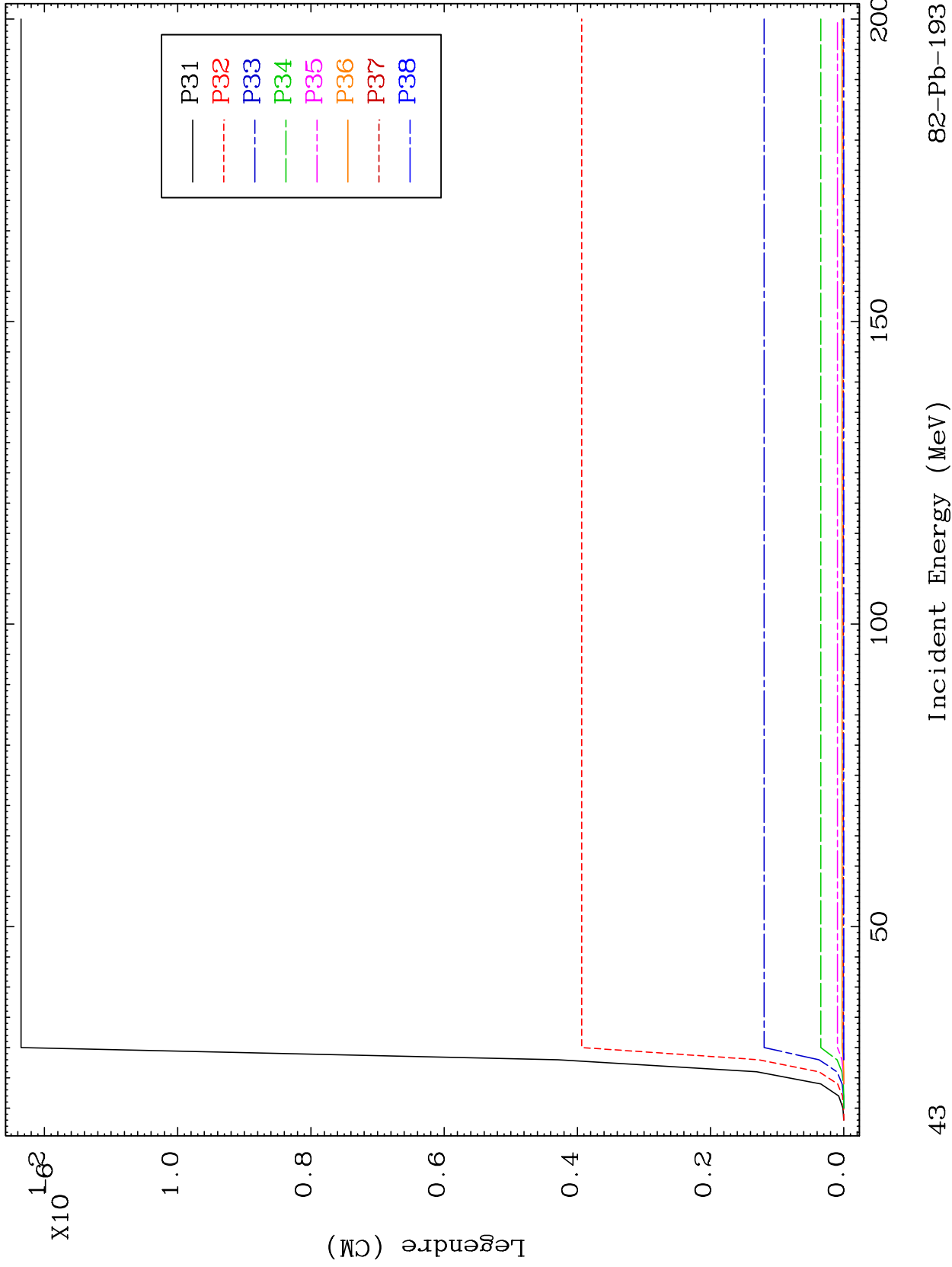
82-Pb-193



MAT 8192

585.1 keV (n,n') Level
Legendre Coefficients

82-Pb-193



43

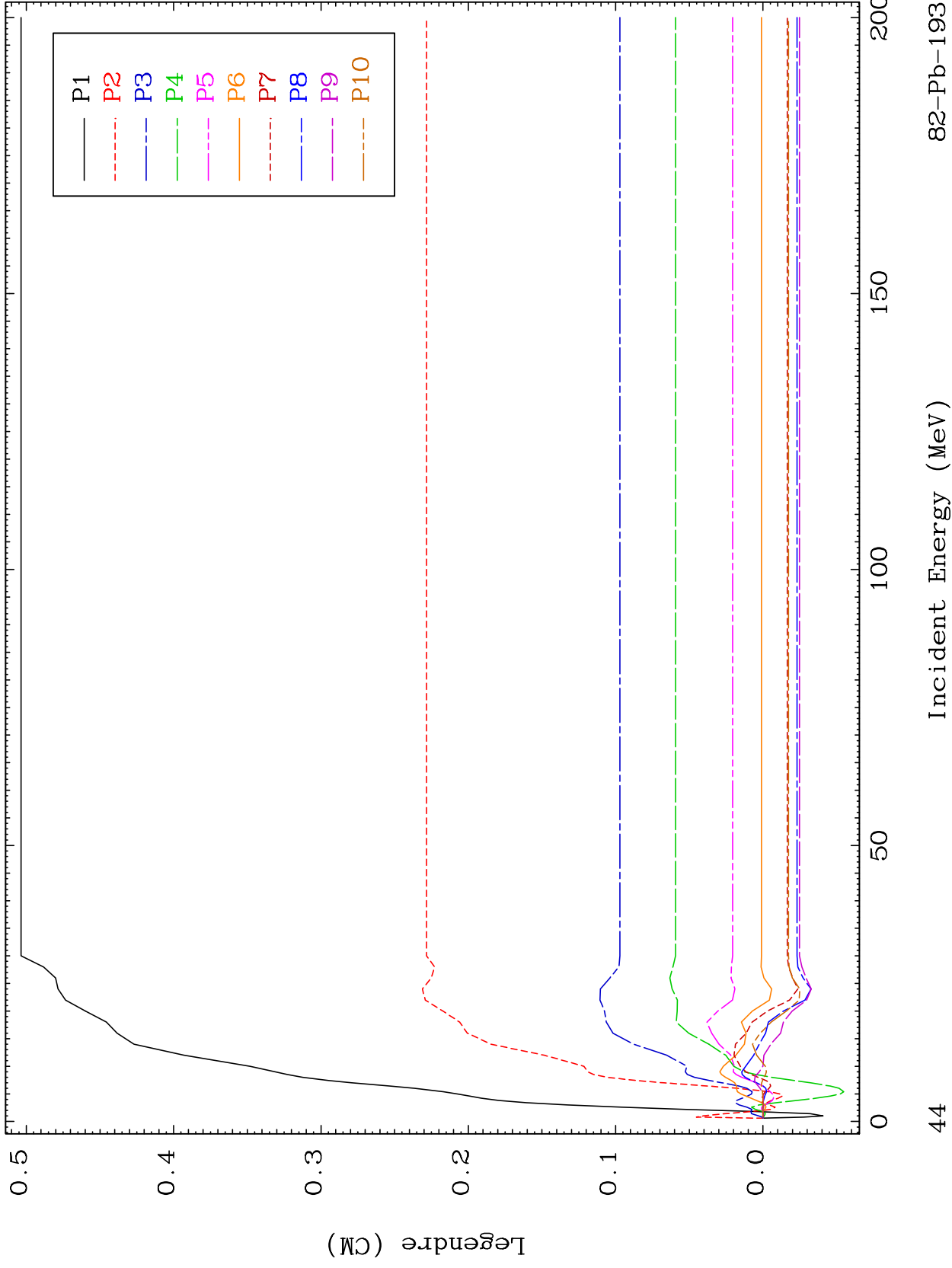
Incident Energy (MeV)

82-Pb-193

MAT 8192

587.0 keV (n,n') Level
Legendre Coefficients

82-Pb-193



82-Pb-193

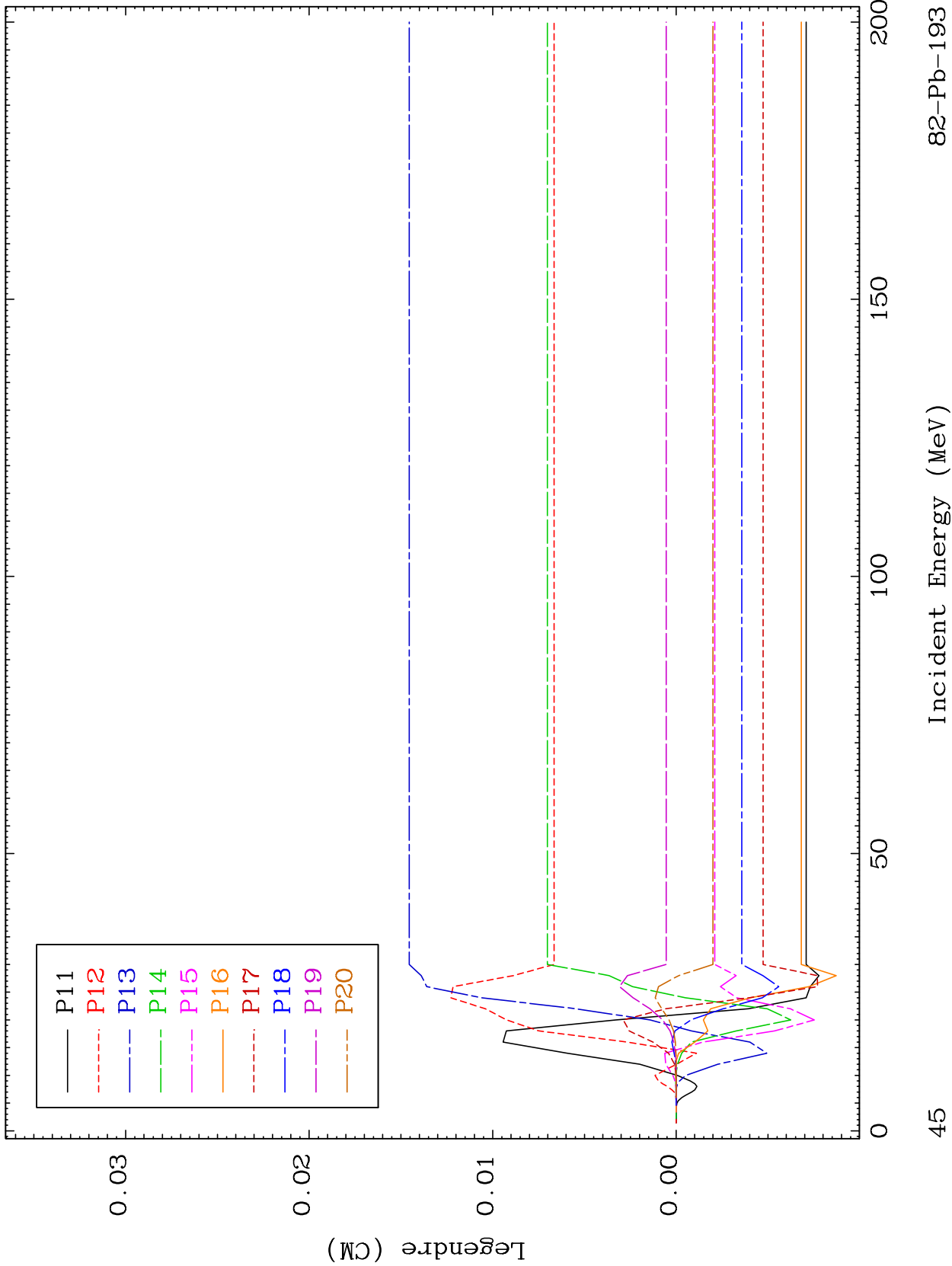
Incident Energy (MeV)

44

MAT 8192

587.0 keV (n,n') Level
Legendre Coefficients

82-Pb-193



82-Pb-193

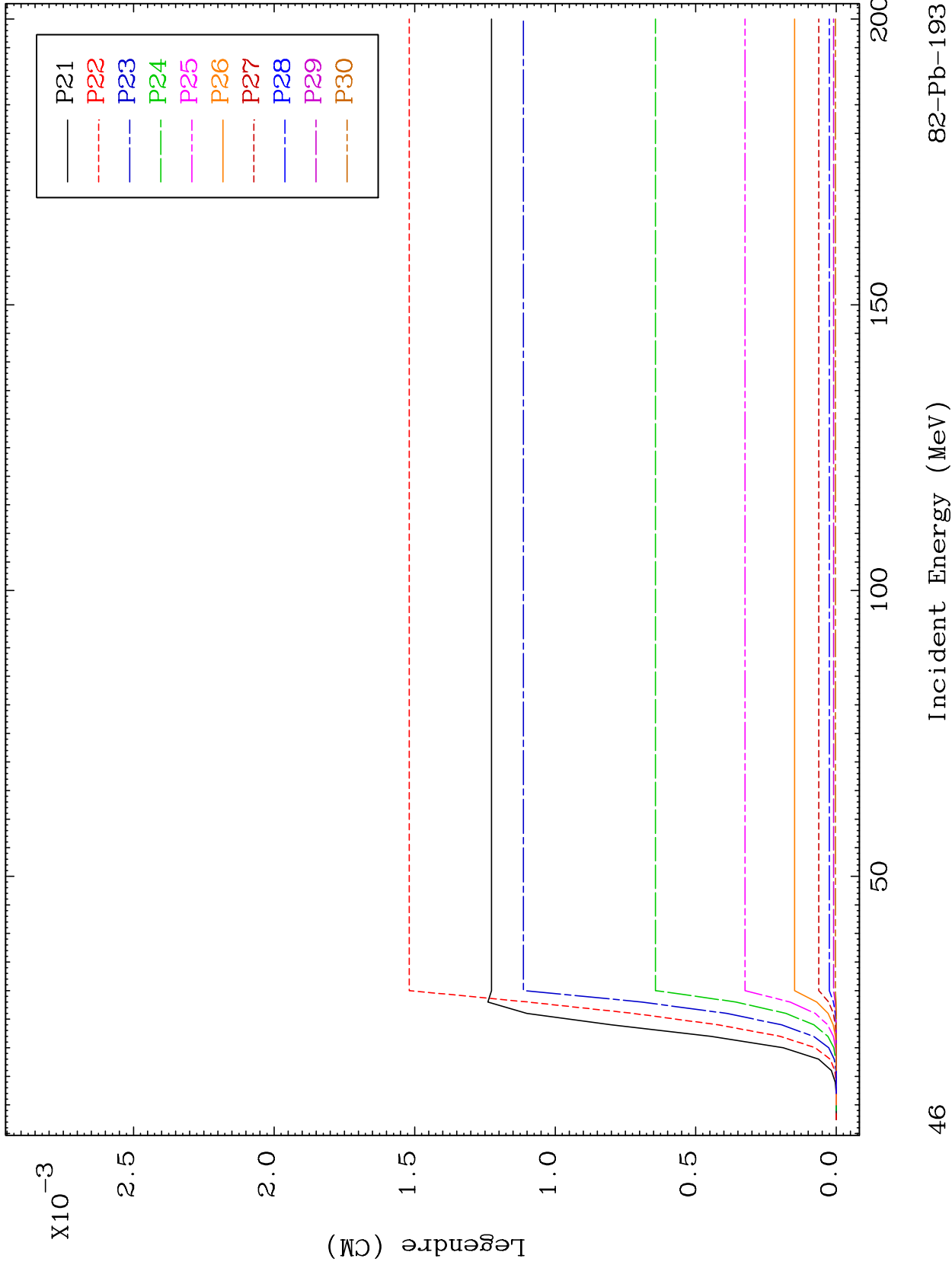
Incident Energy (MeV)

45

MAT 8192

587.0 keV (n,n') Level
Legendre Coefficients

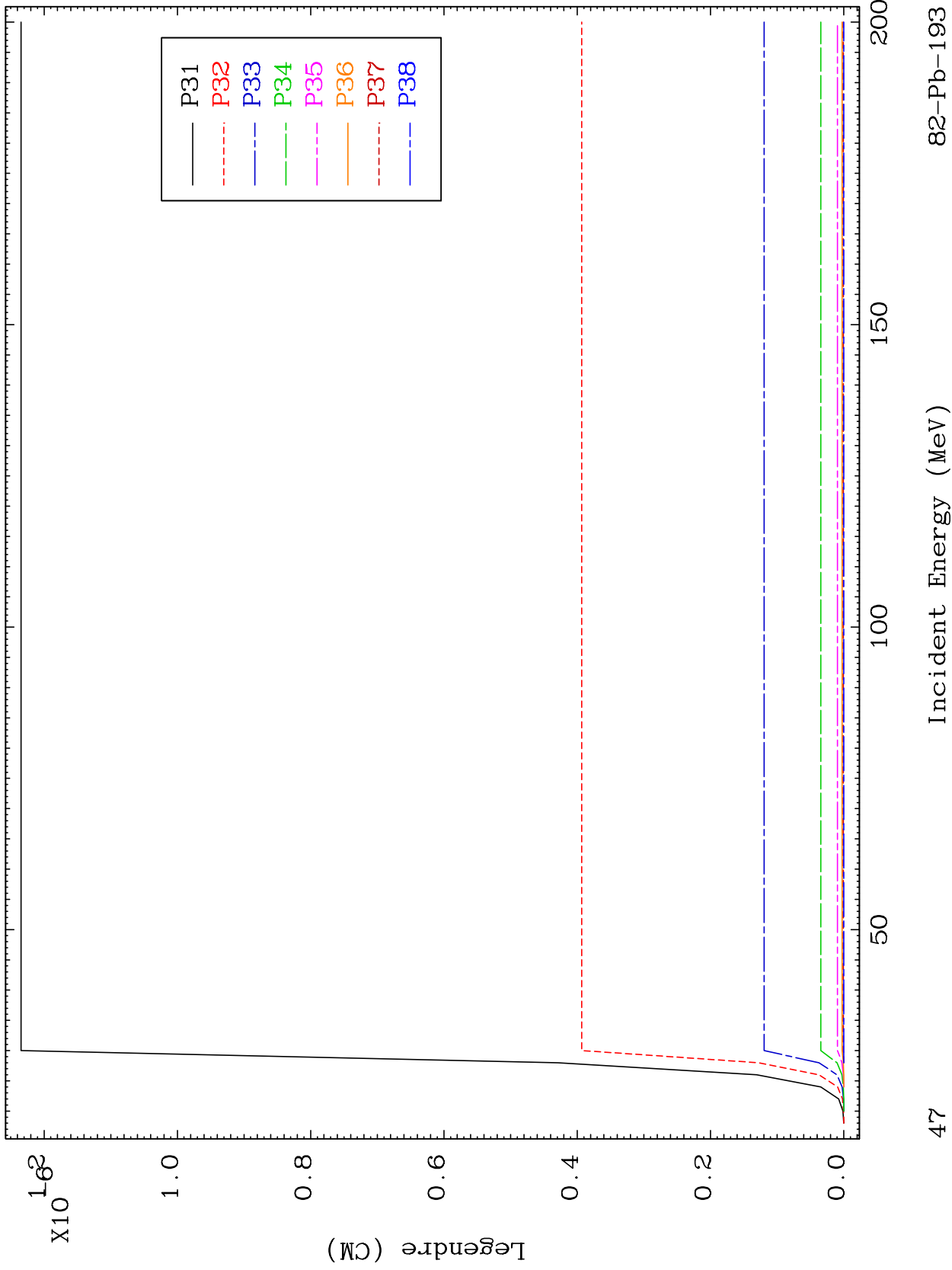
82-Pb-193



MAT 8192

587.0 keV (n,n') Level
Legendre Coefficients

82-Pb-193



47

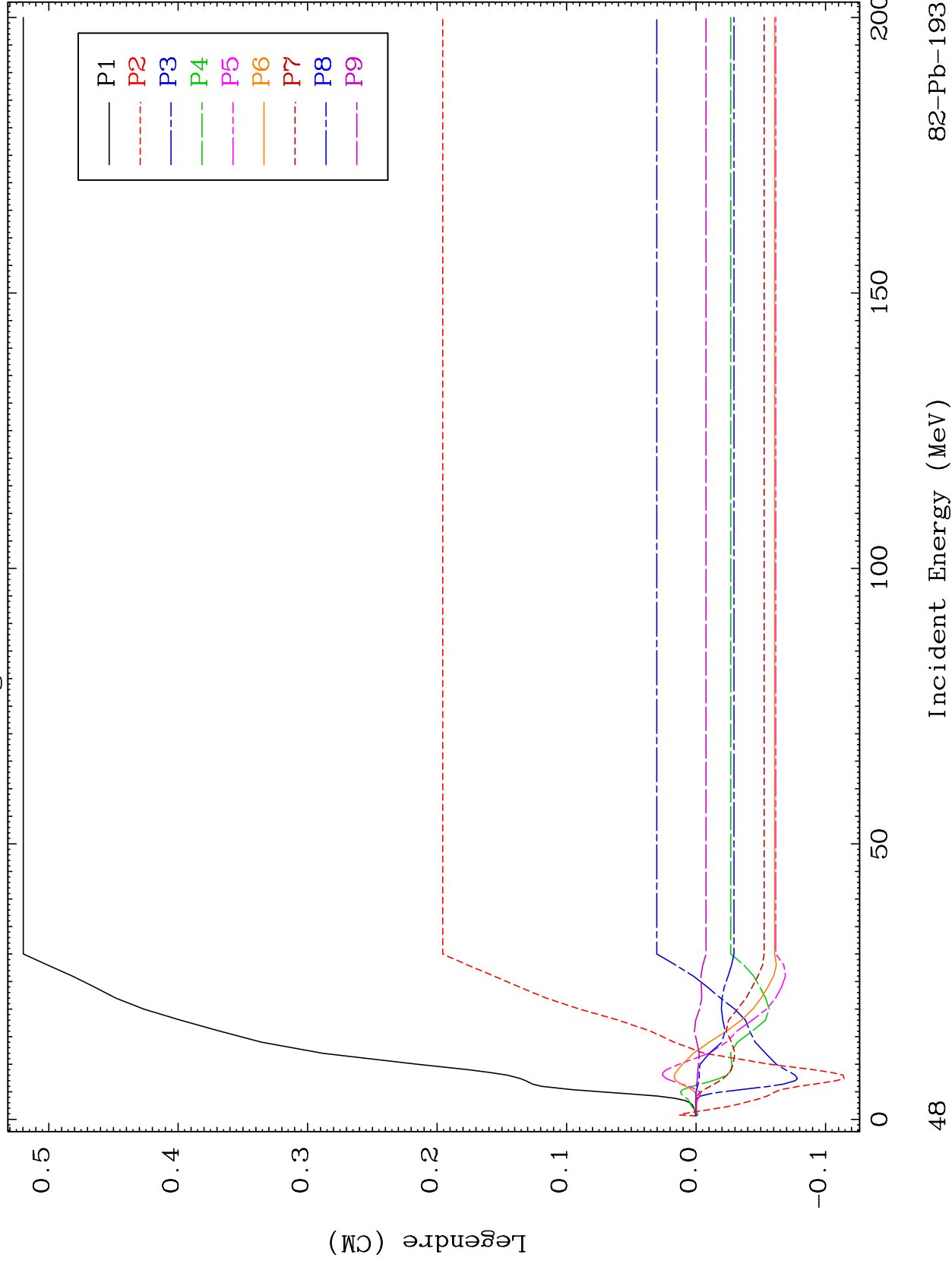
Incident Energy (MeV)

82-Pb-193

MAT 8192

596.2 keV (n,n') Level
Legendre Coefficients

82-Pb-193



82-Pb-193

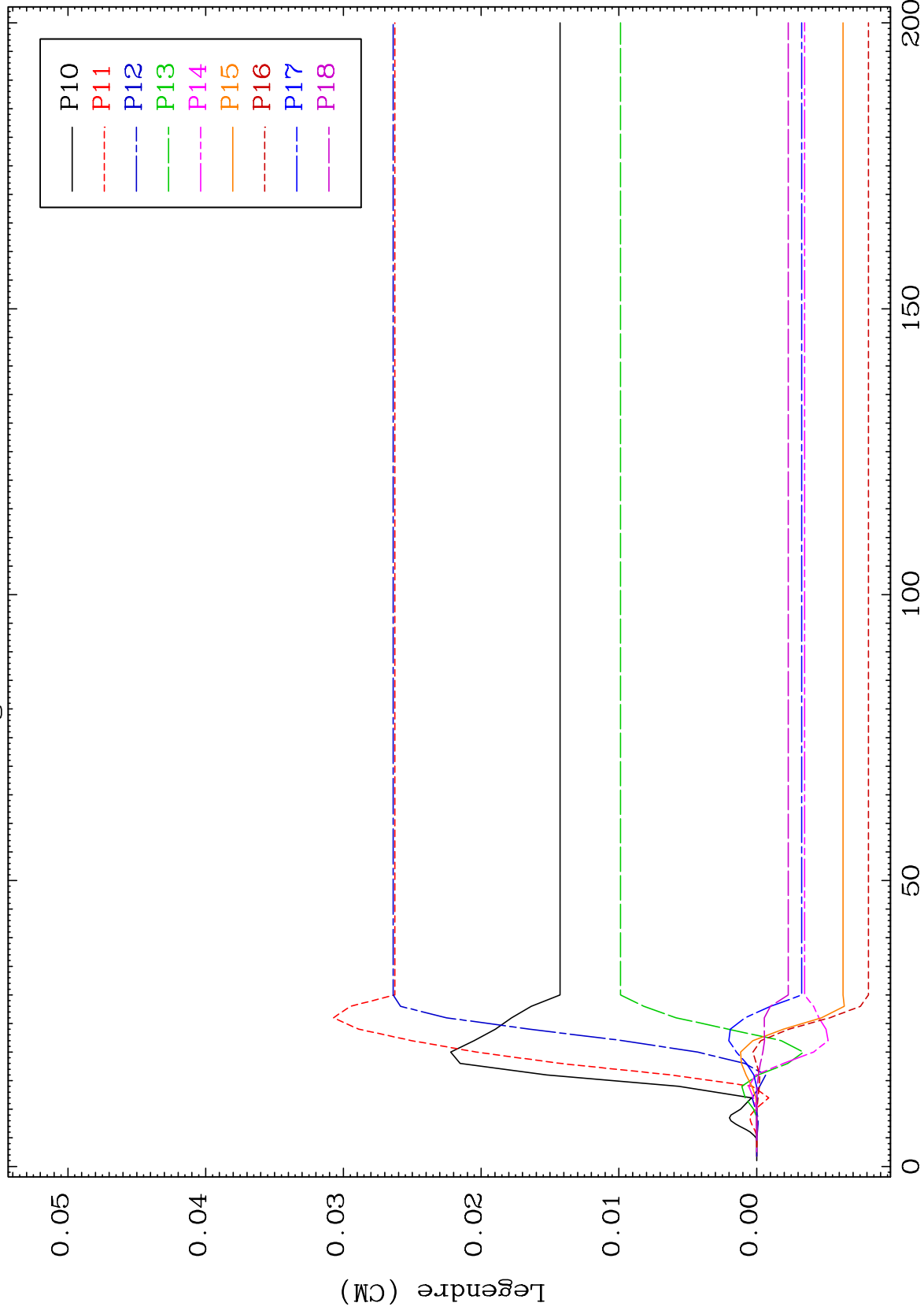
Incident Energy (MeV)

48

MAT 8192

596.2 keV (n,n') Level
Legendre Coefficients

82-Pb-193



49

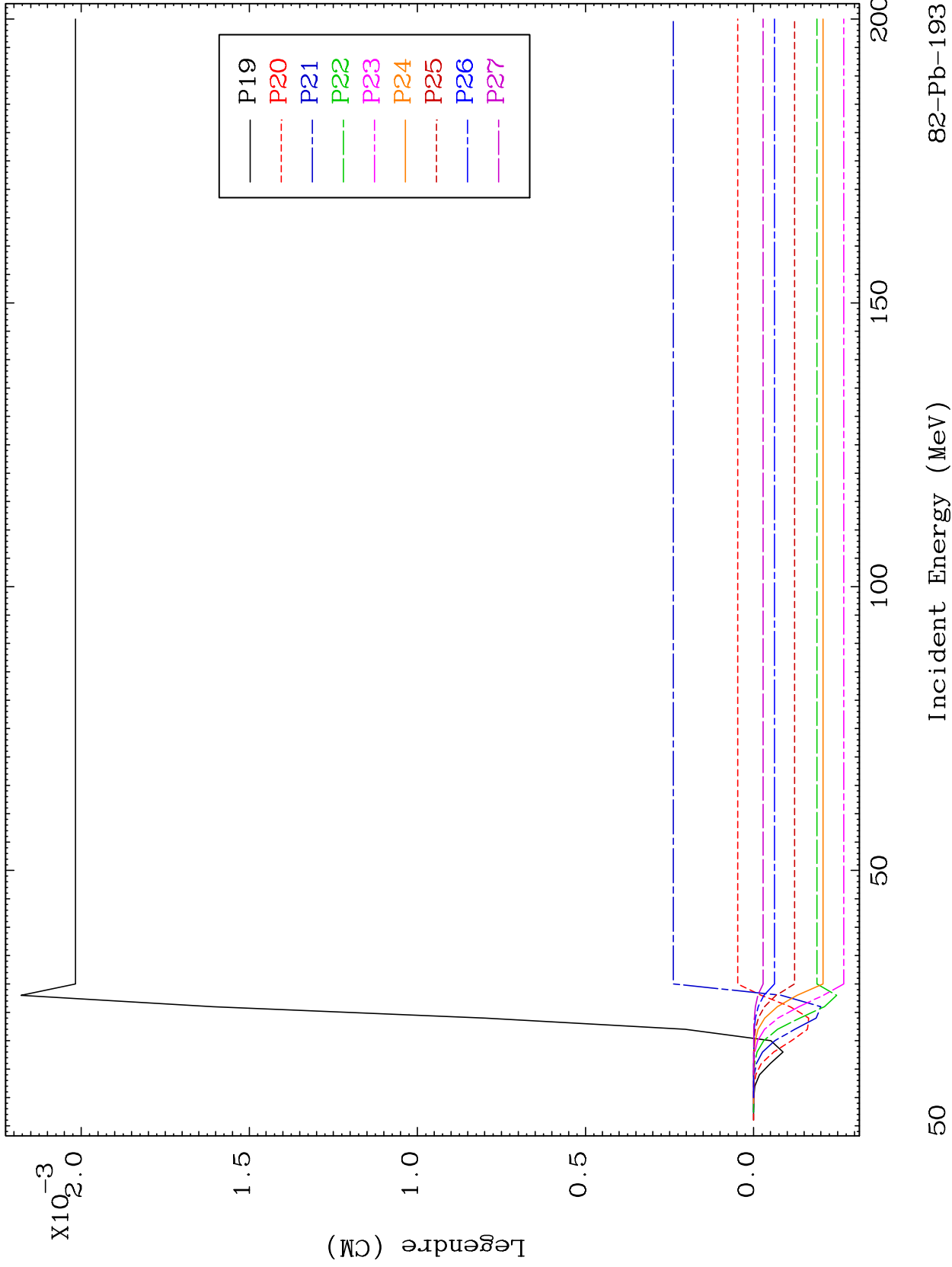
Incident Energy (MeV)

82-Pb-193

MAT 8192

596.2 keV (n,n') Level
Legendre Coefficients

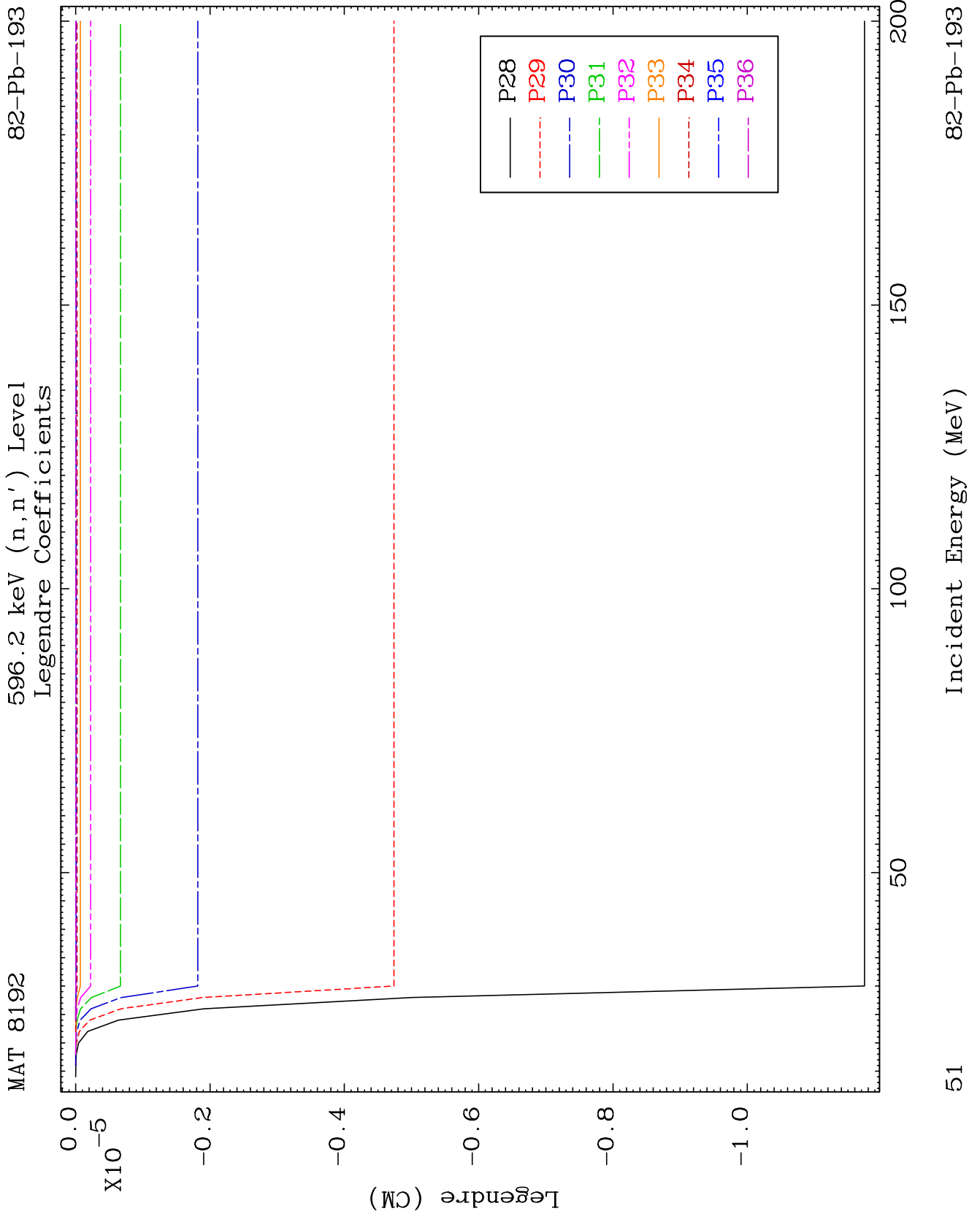
82-Pb-193



82-Pb-193

Incident Energy (MeV)

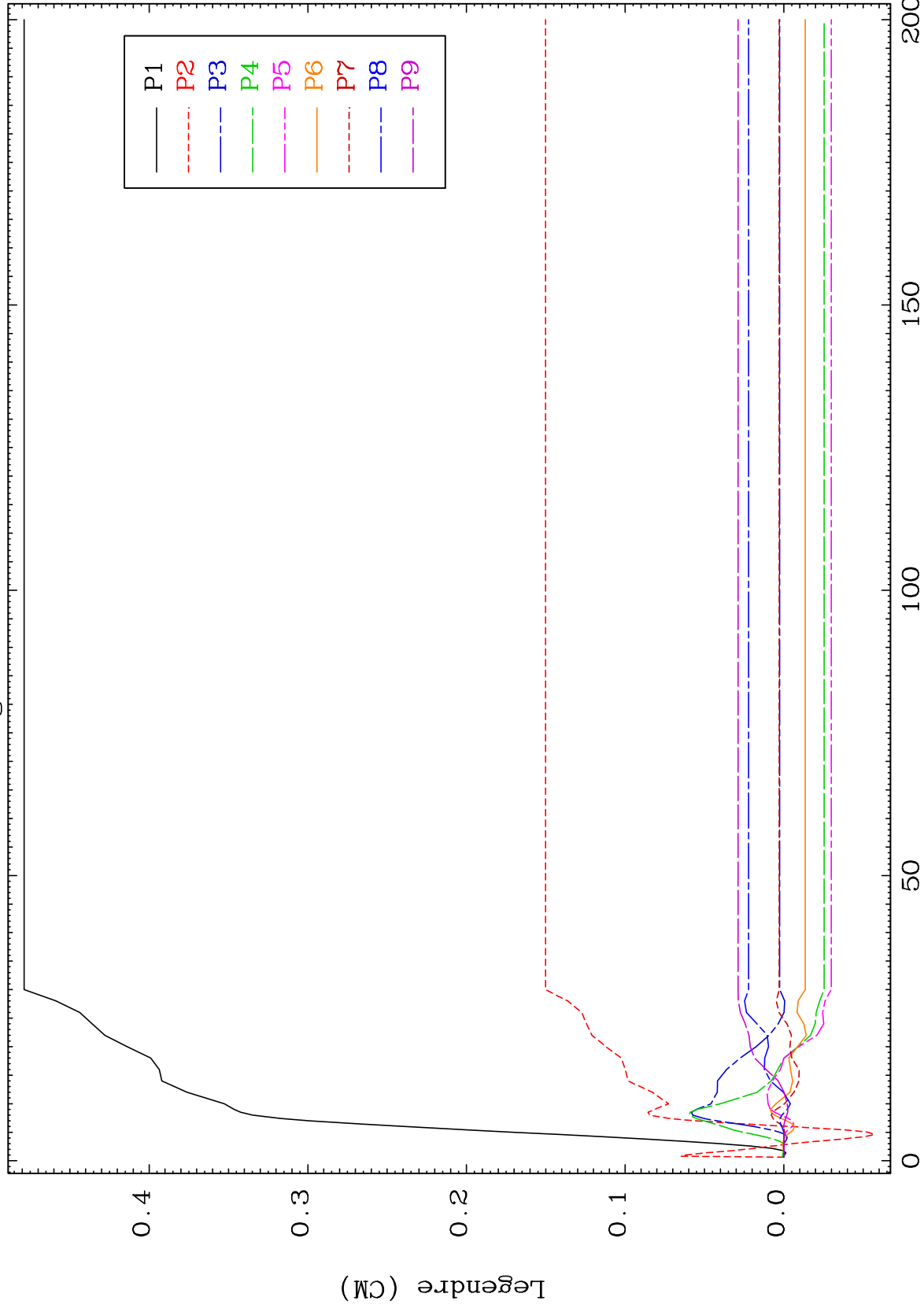
50



MAT 8192

625.8 keV (n,n') Level
Legendre Coefficients

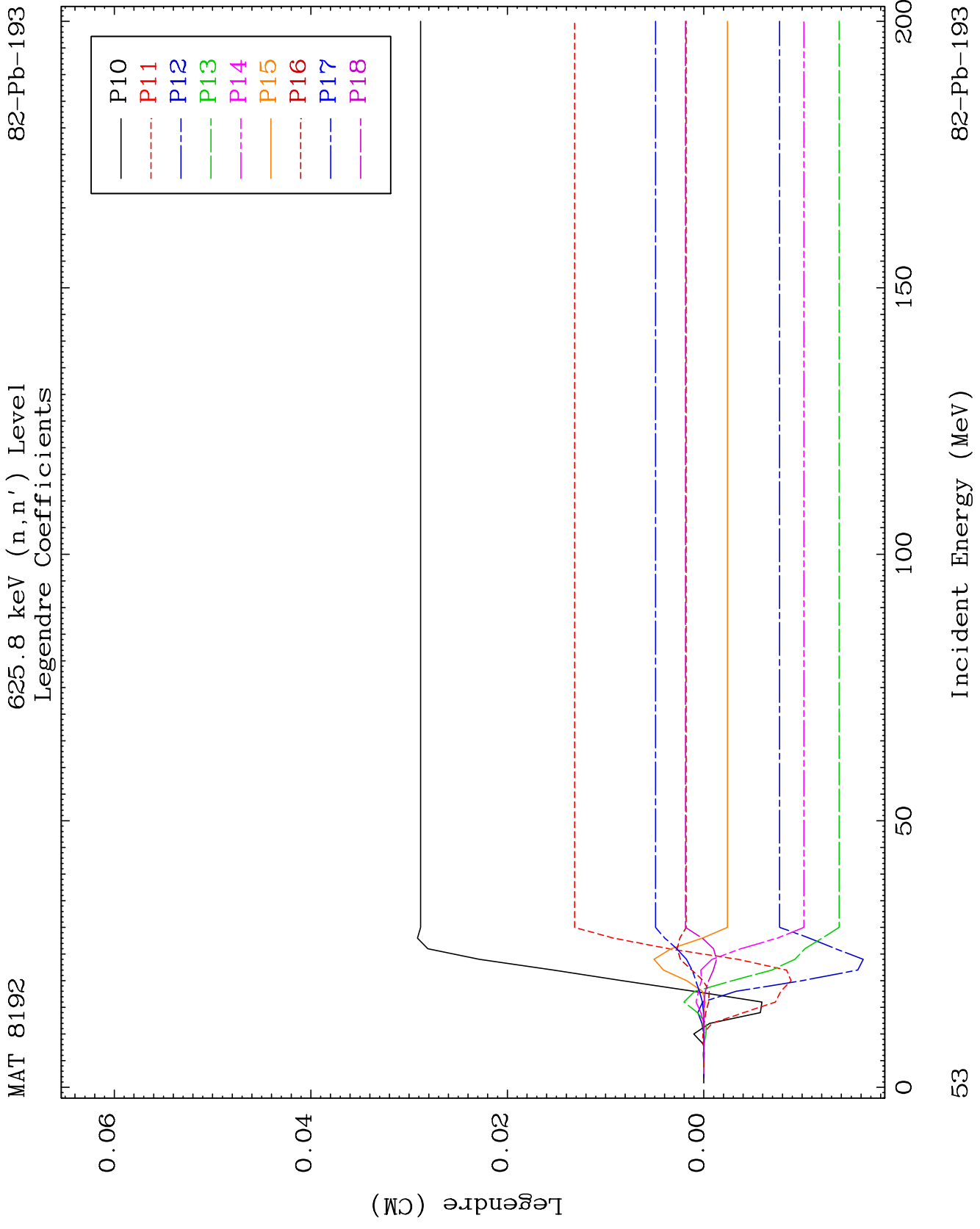
82-Pb-193

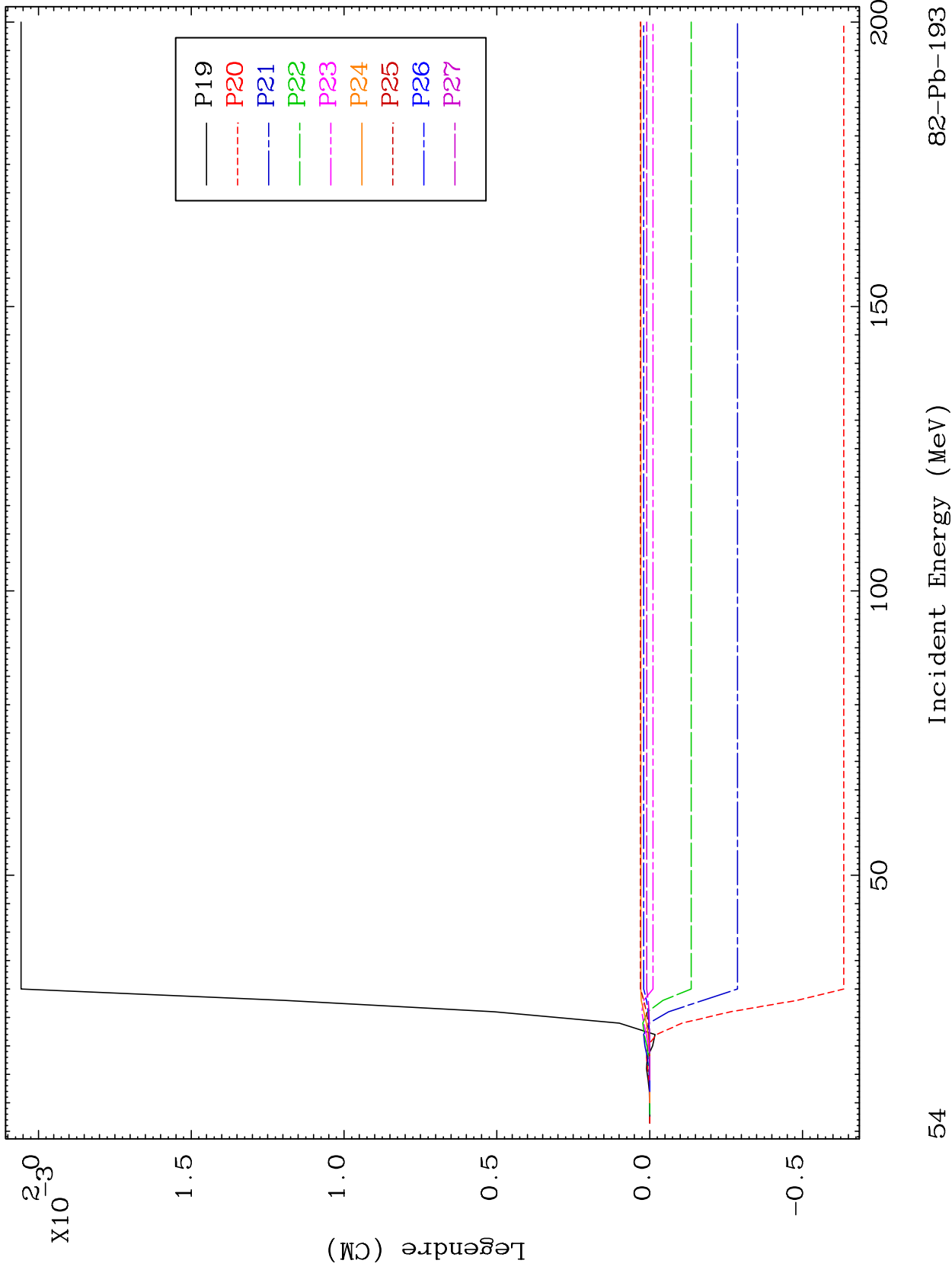


52

Incident Energy (MeV)

82-Pb-193

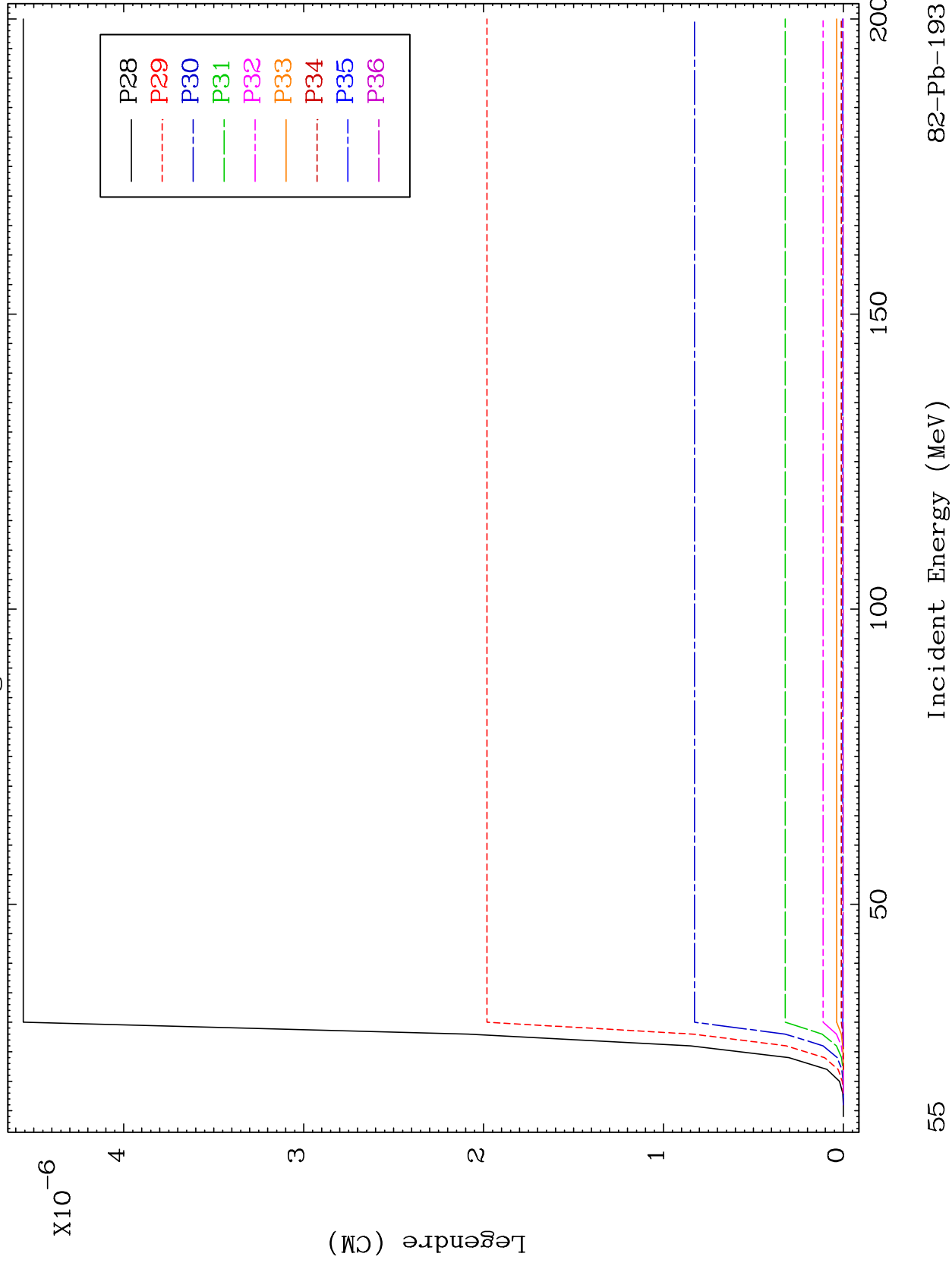




MAT 8192

625.8 keV (n,n') Level
Legendre Coefficients

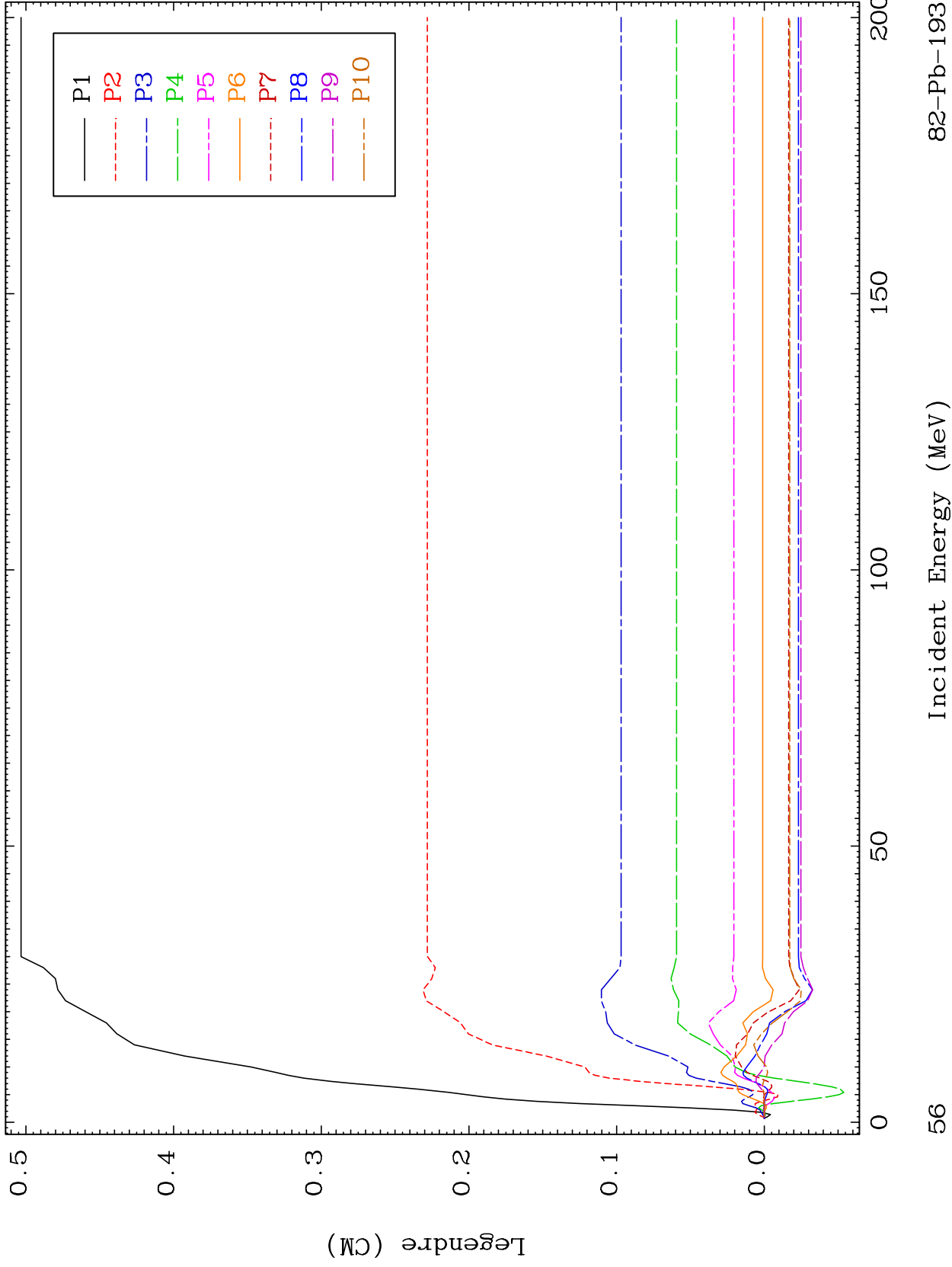
82-Pb-193



MAT 8192

645.3 keV (n,n') Level
Legendre Coefficients

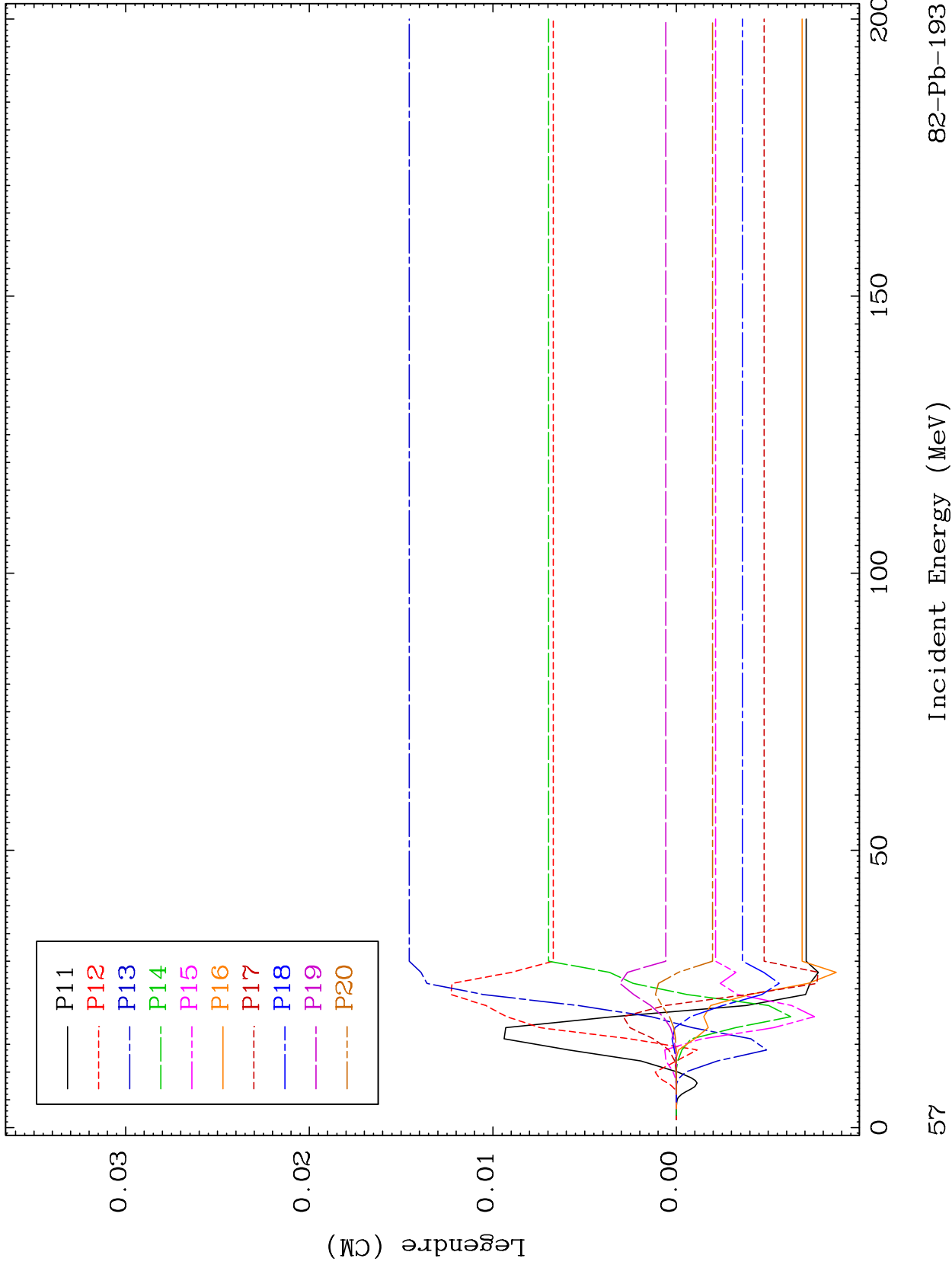
82-Pb-193



MAT 8192

645.3 keV (n,n') Level
Legendre Coefficients

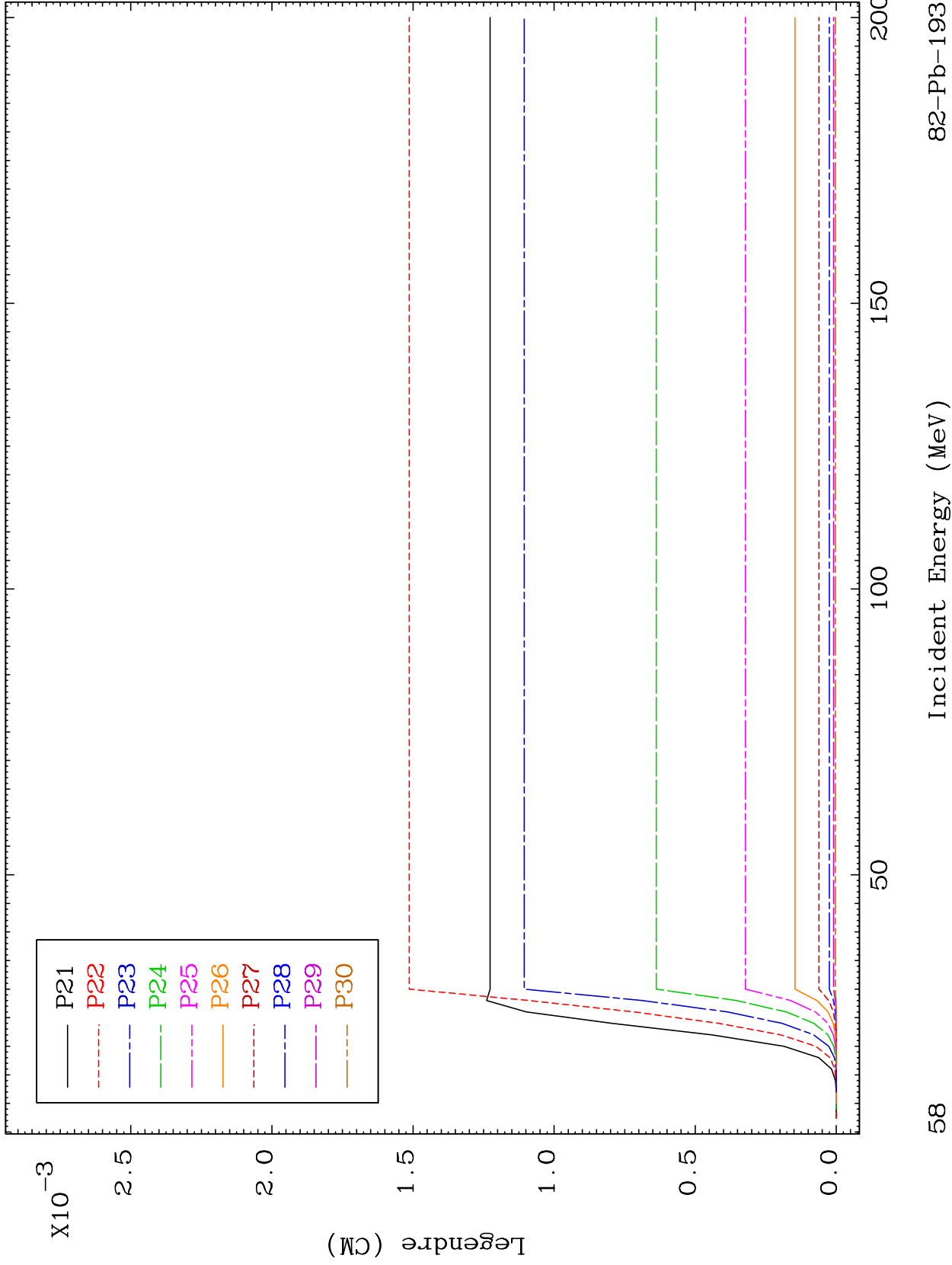
82-Pb-193



82-Pb-193

Incident Energy (MeV)

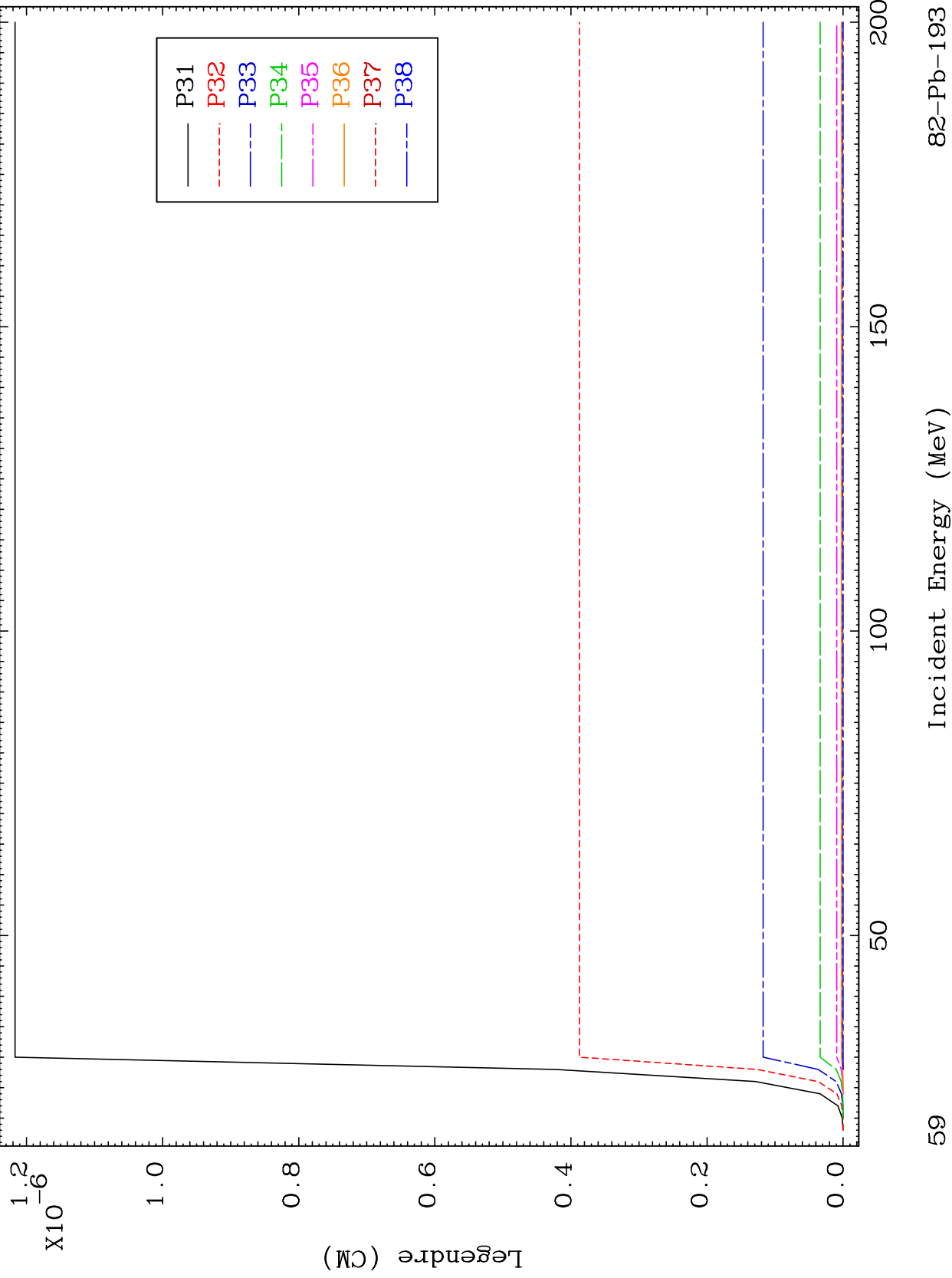
57



MAT 8192

645.3 keV (n,n') Level
Legendre Coefficients

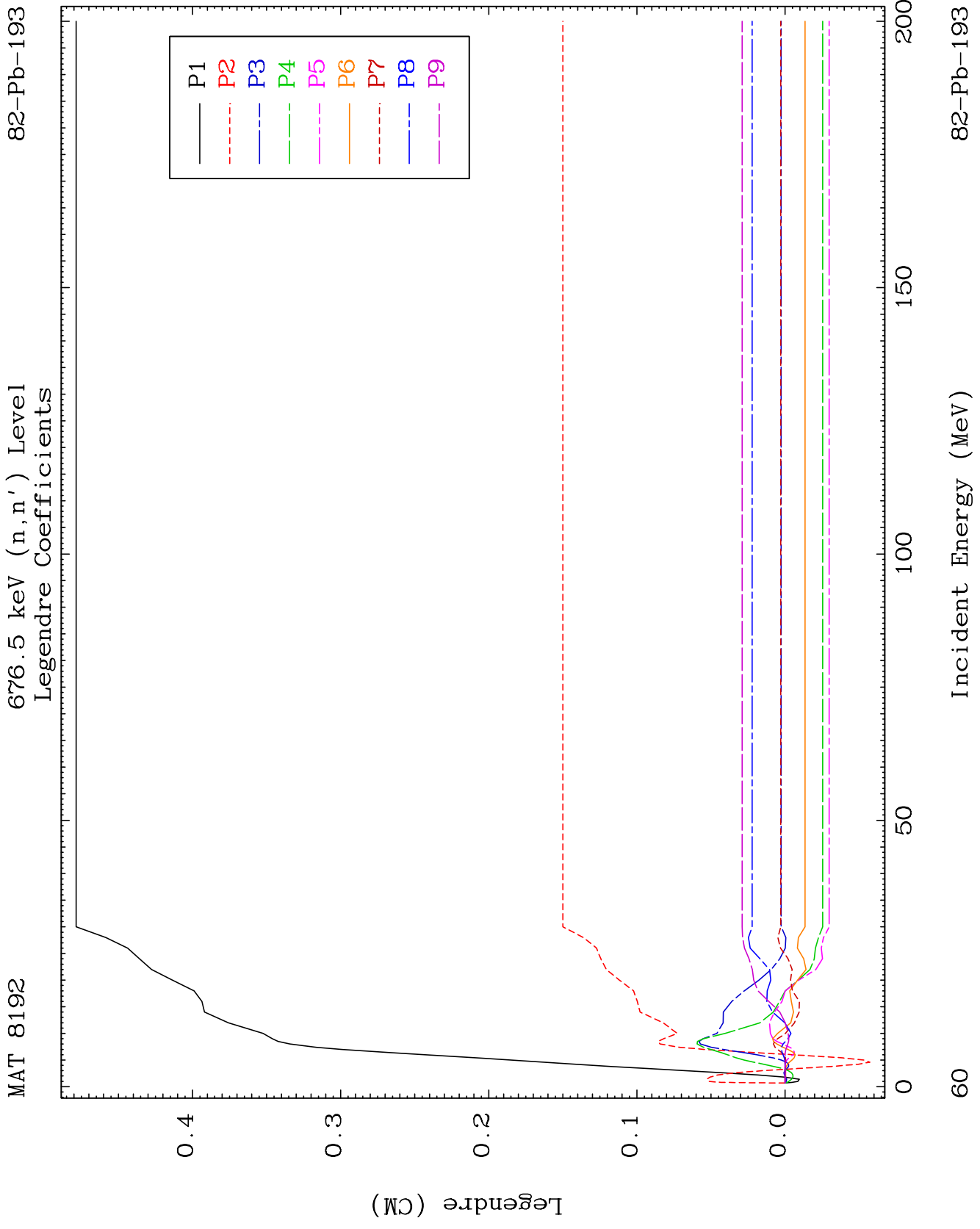
82-Pb-193



59

Incident Energy (MeV)

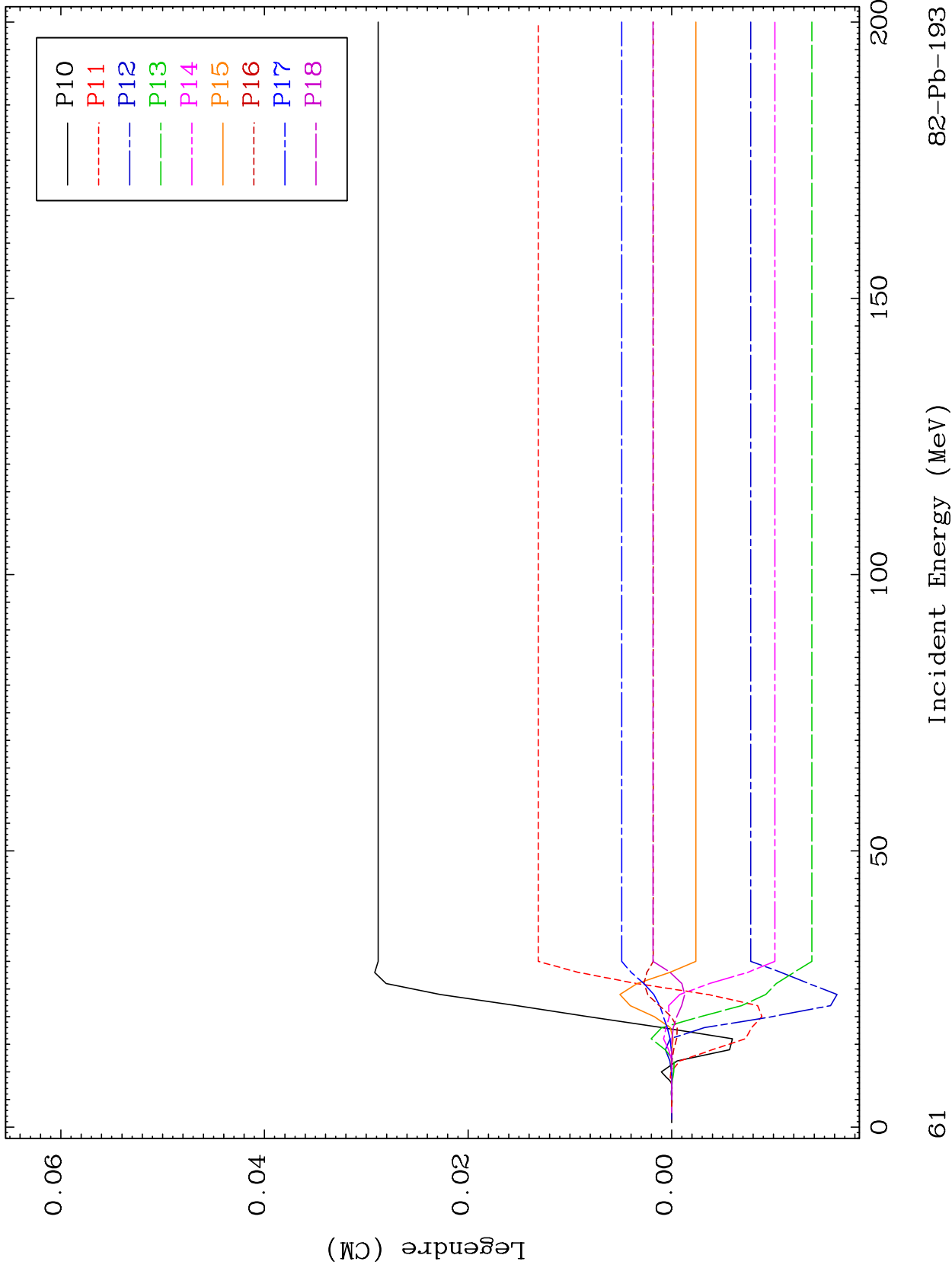
82-Pb-193



MAT 8192

676.5 keV (n,n') Level
Legendre Coefficients

82-Pb-193



82-Pb-193

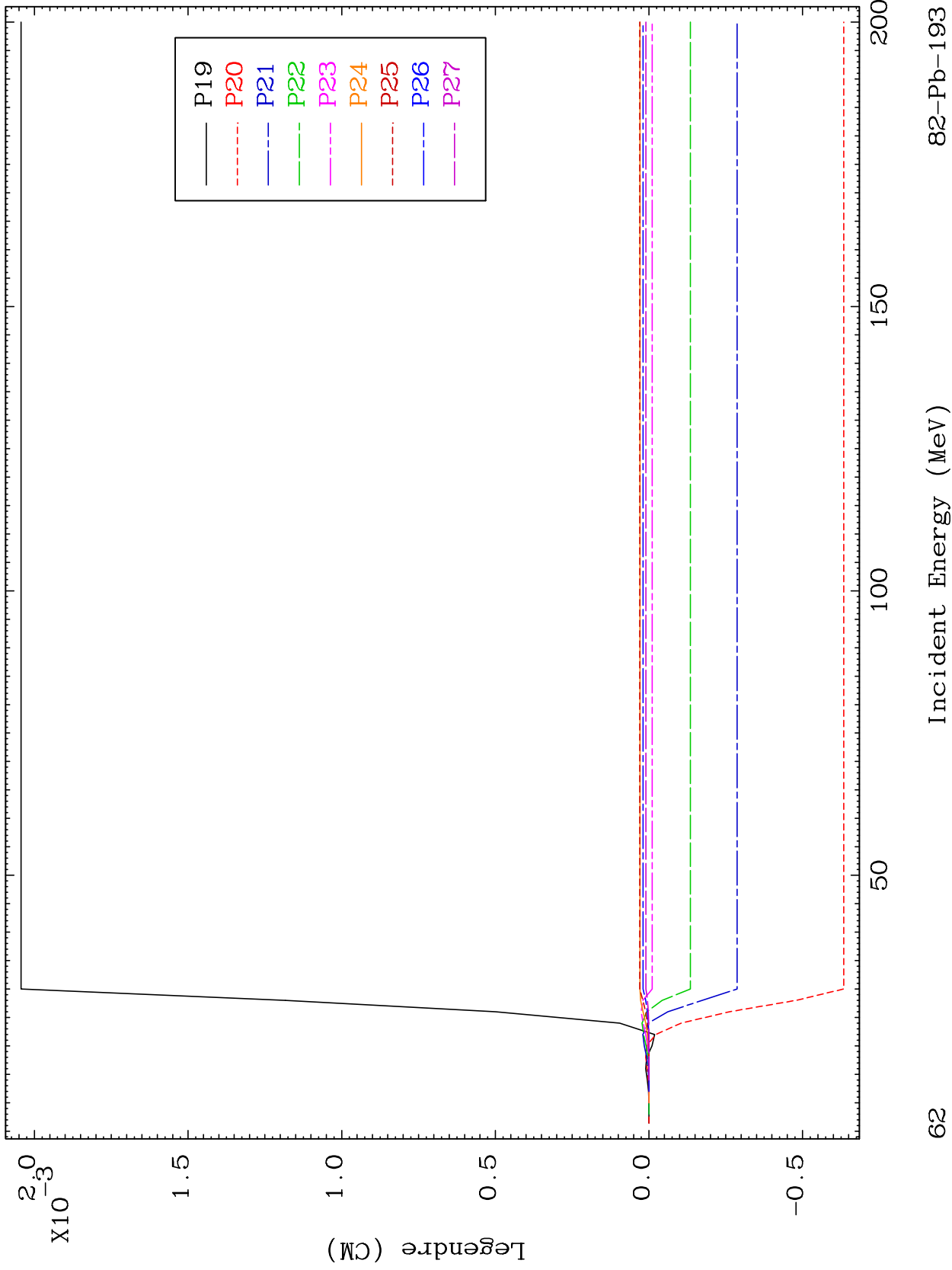
Incident Energy (MeV)

61

MAT 8192

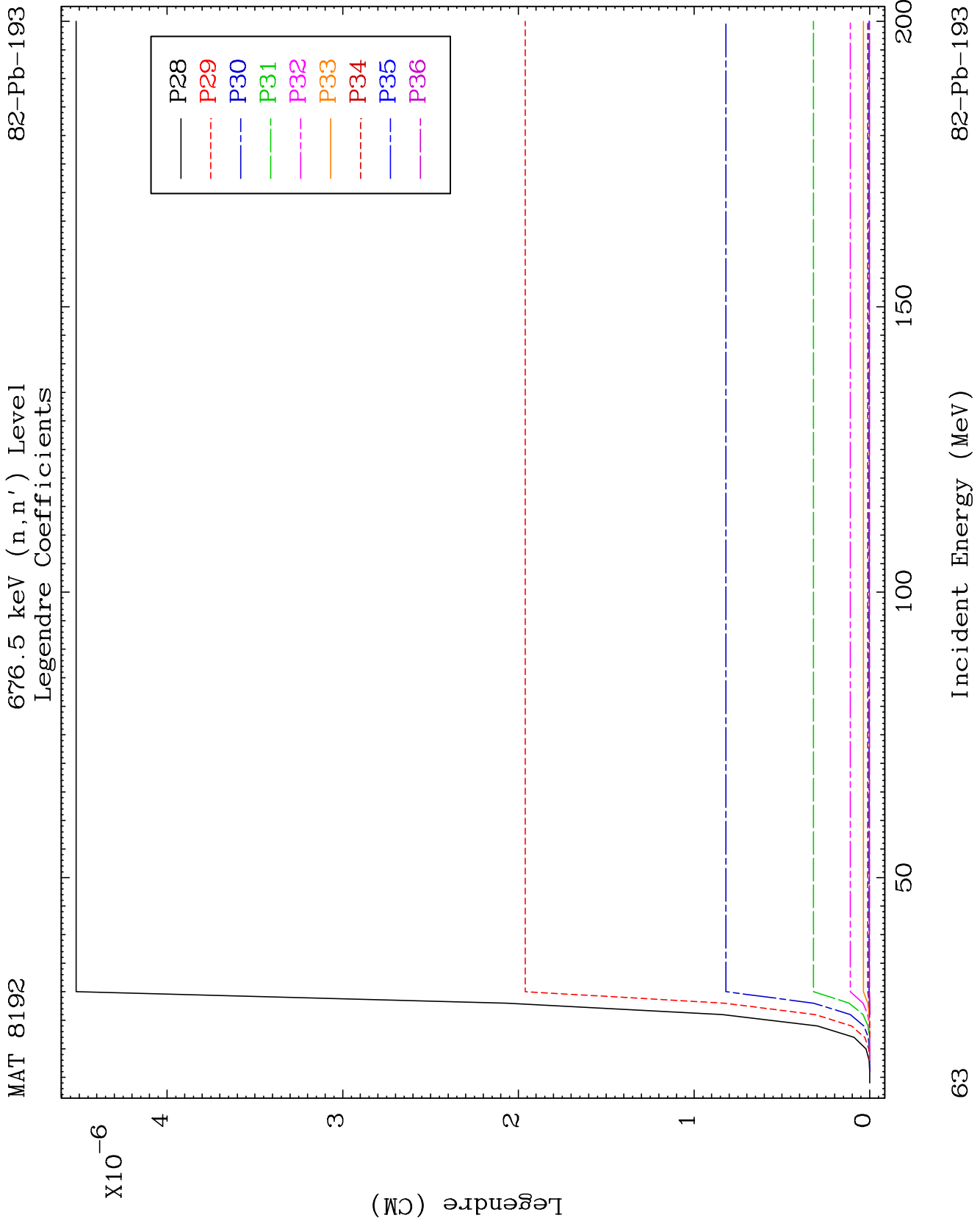
676.5 keV (n,n') Level
Legendre Coefficients

82-Pb-193



62

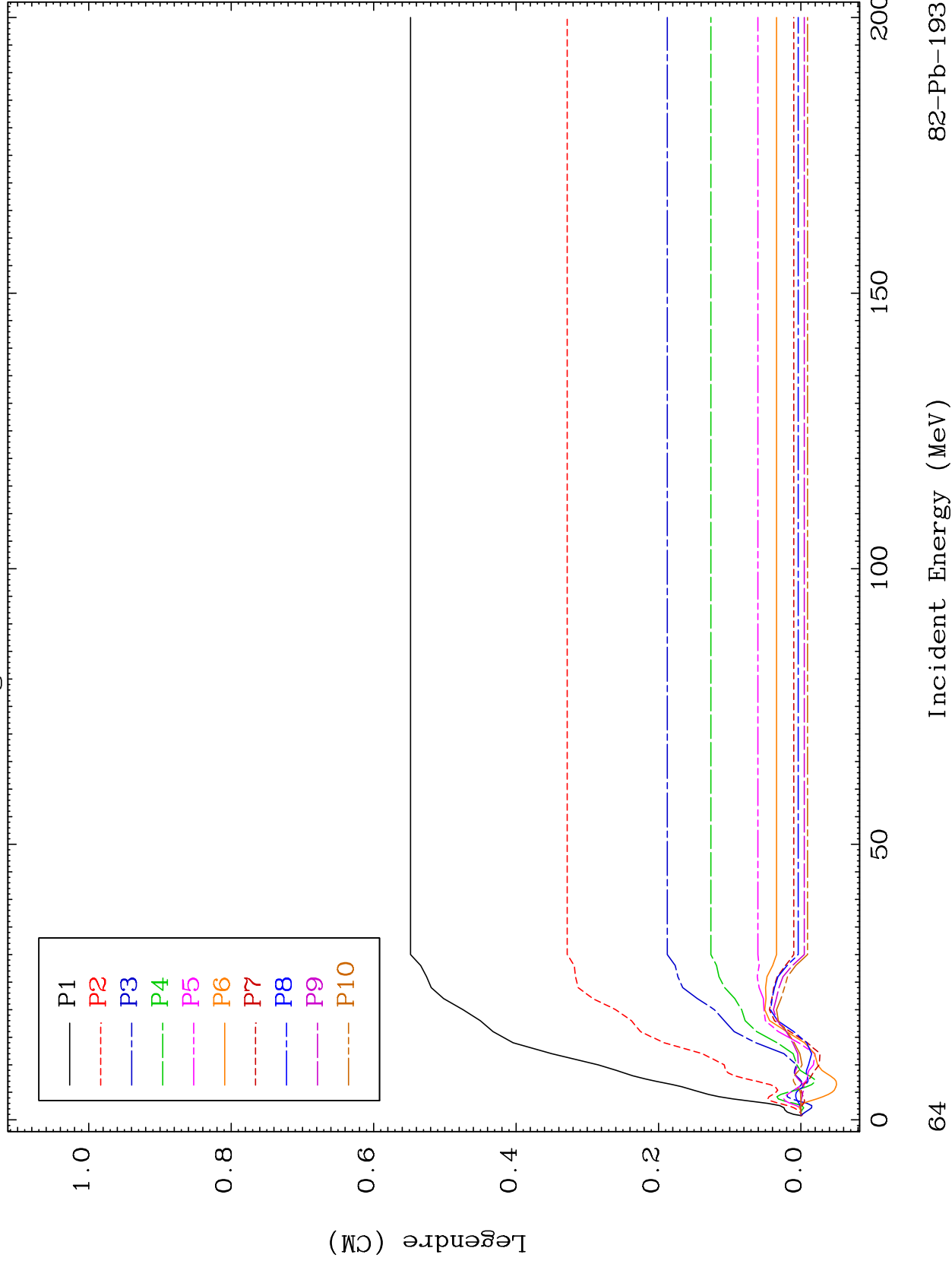
82-Pb-193



MAT 8192

697.7 keV (n,n') Level
Legendre Coefficients

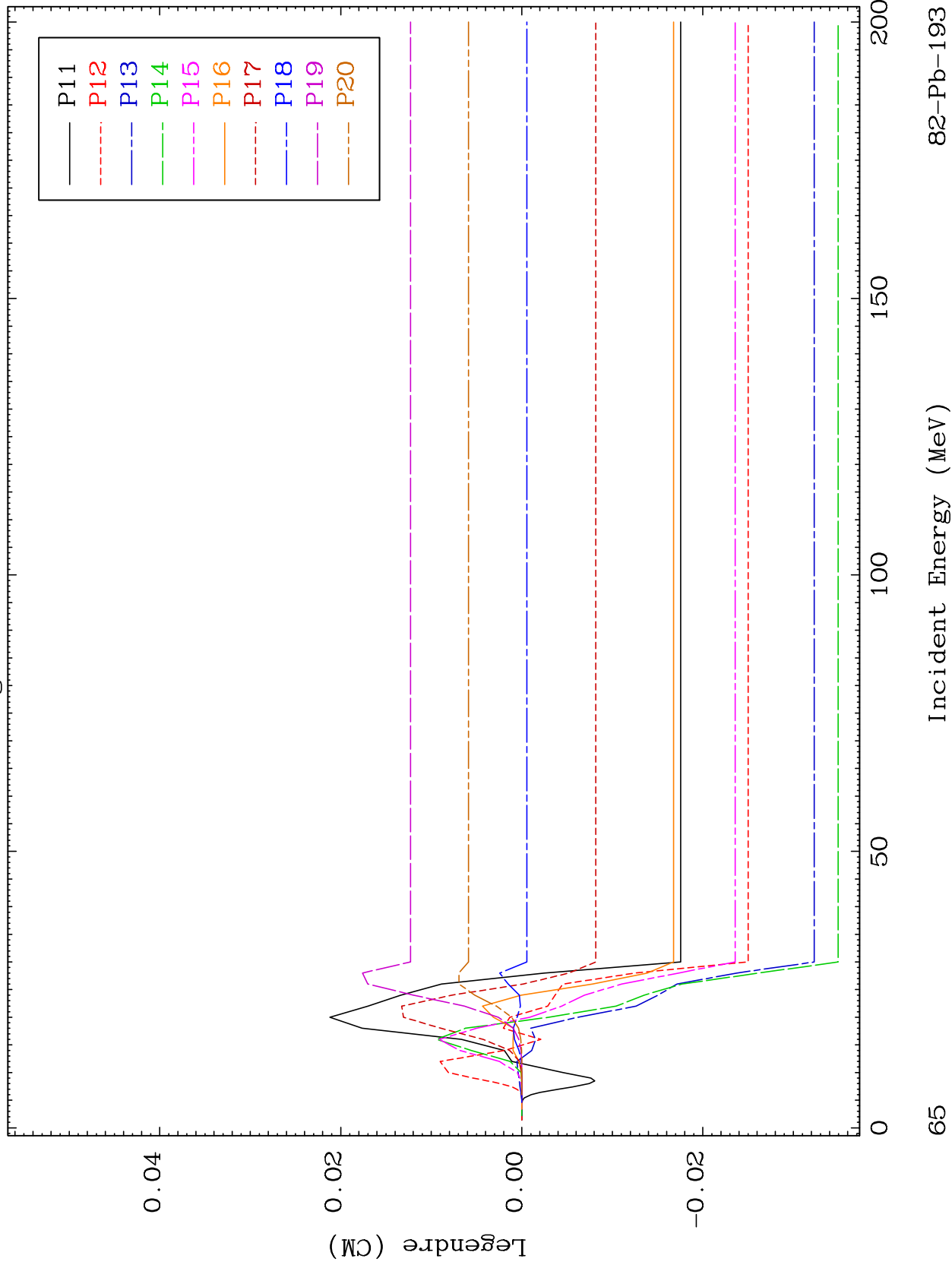
82-Pb-193



MAT 8192

697.7 keV (n,n') Level
Legendre Coefficients

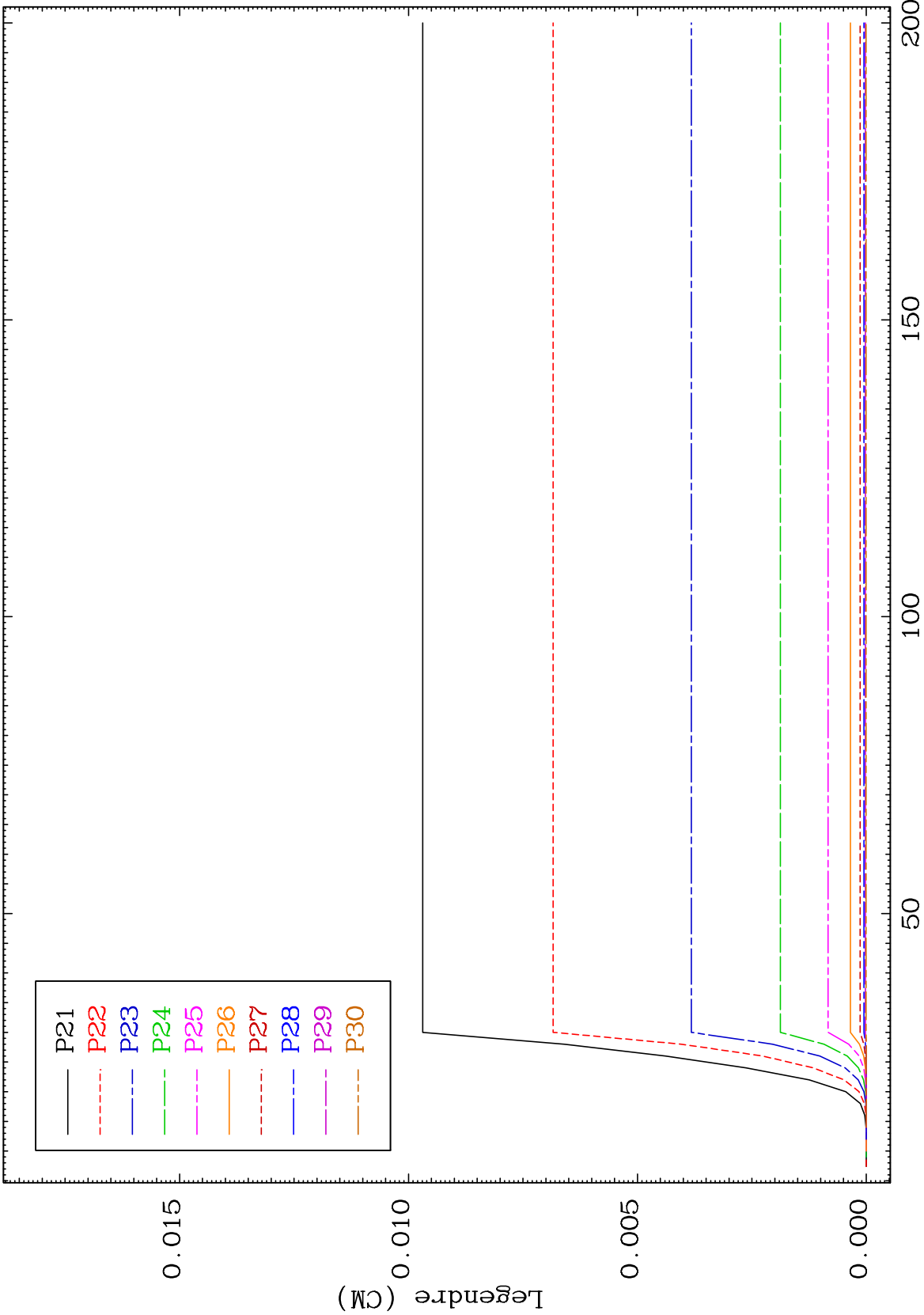
82-Pb-193



82-Pb-193

Incident Energy (MeV)

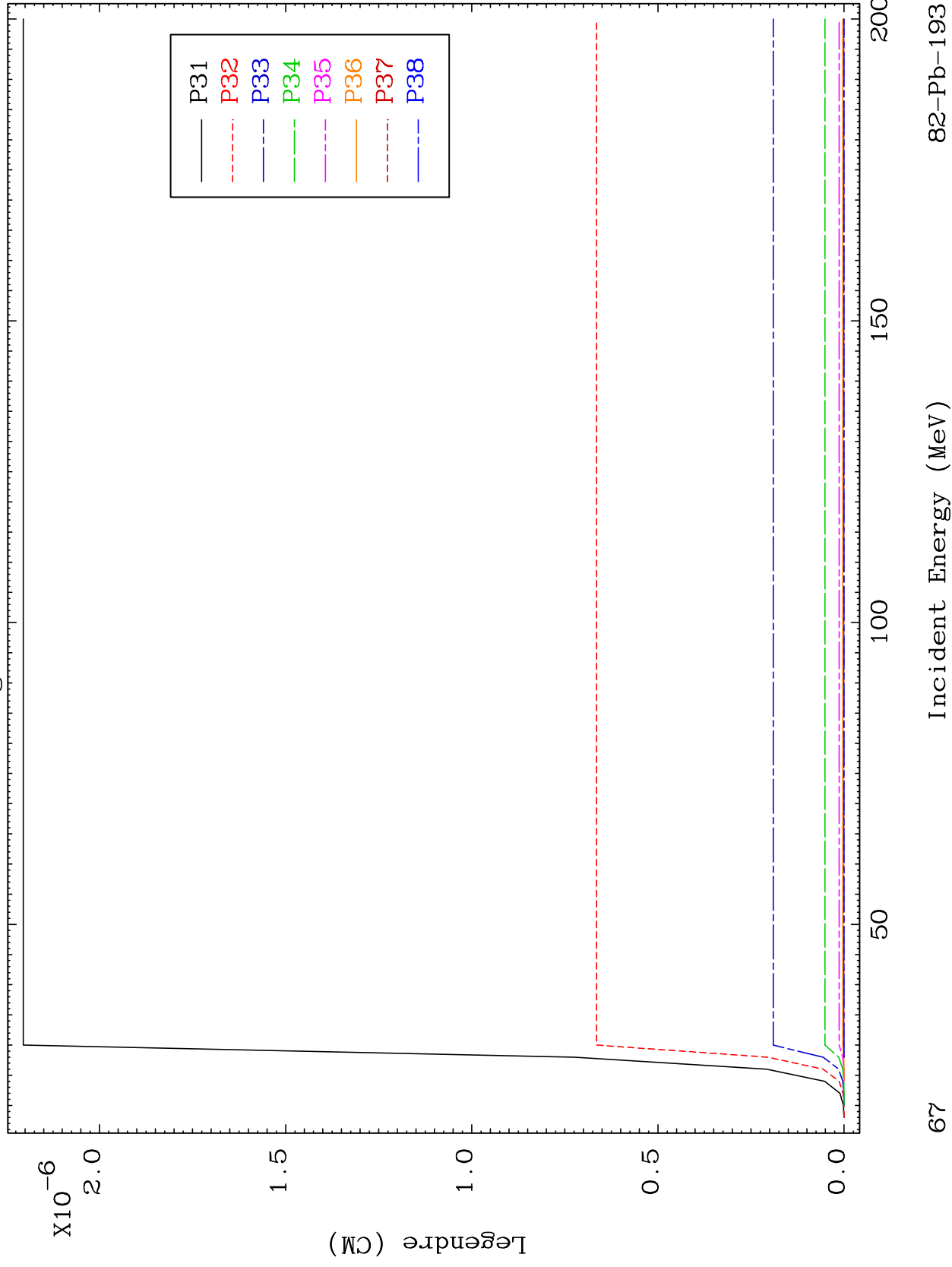
65

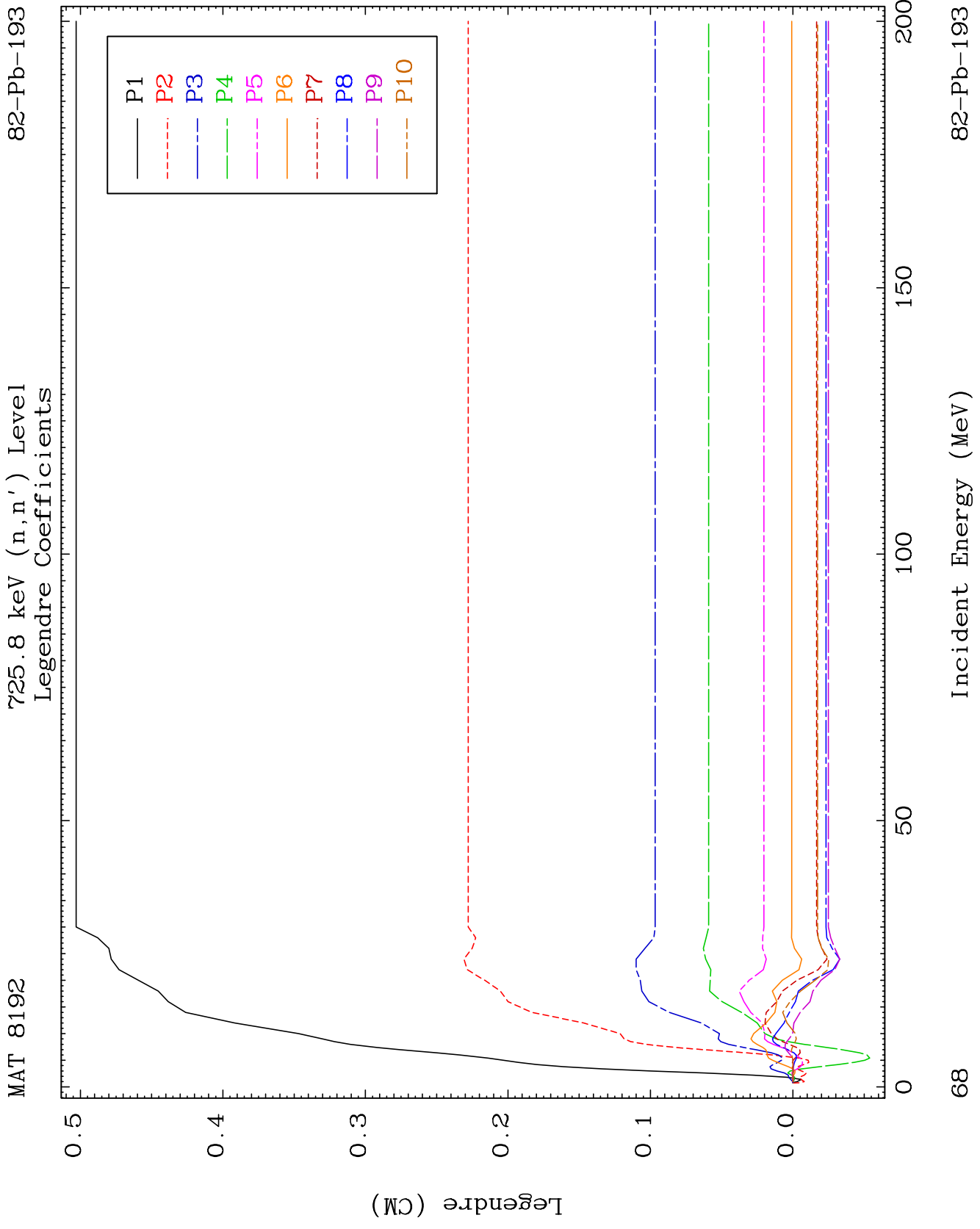


MAT 8192

697.7 keV (n,n') Level
Legendre Coefficients

82-Pb-193

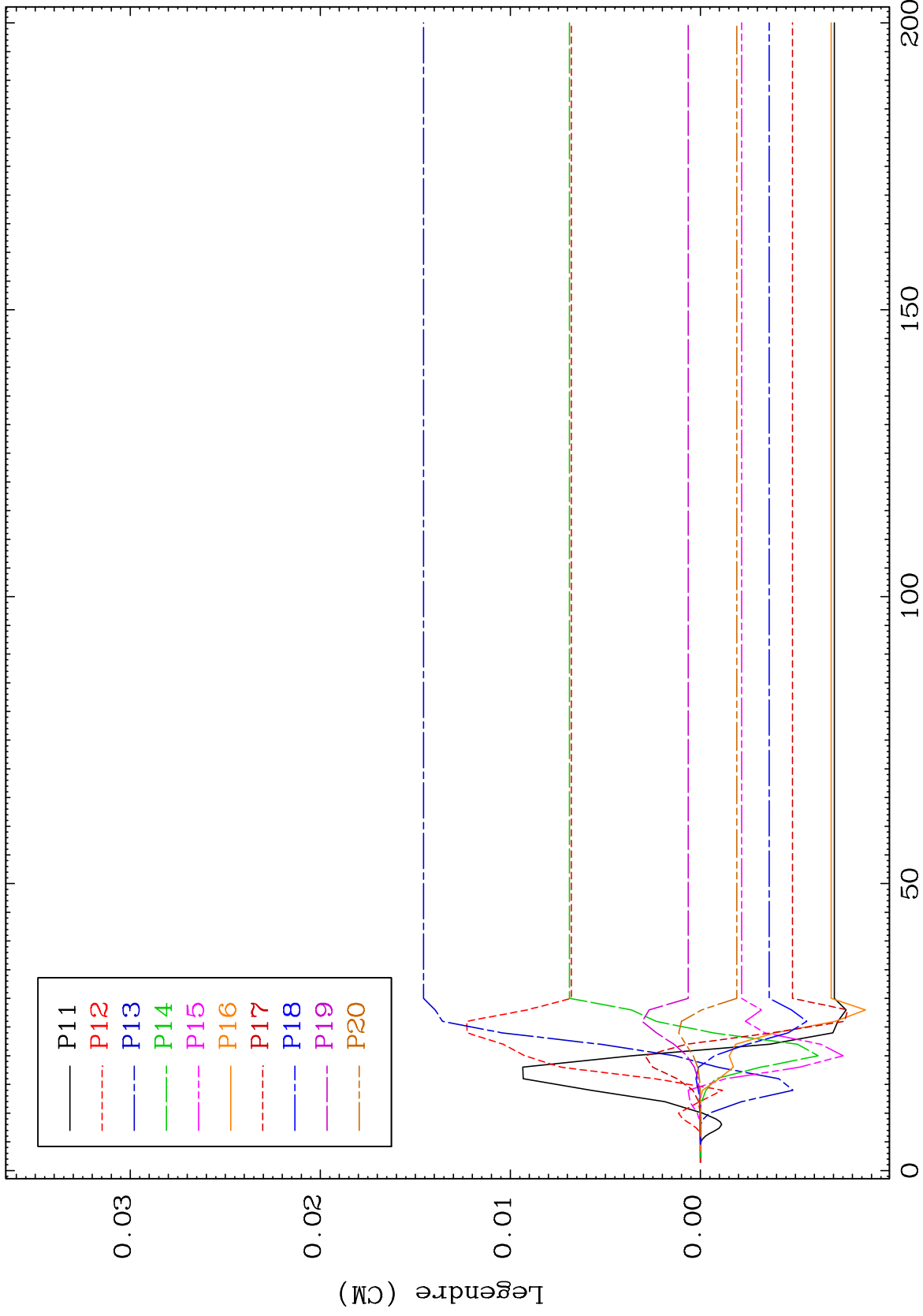




MAT 8192

725.8 keV (n,n') Level
Legendre Coefficients

82-Pb-193



69

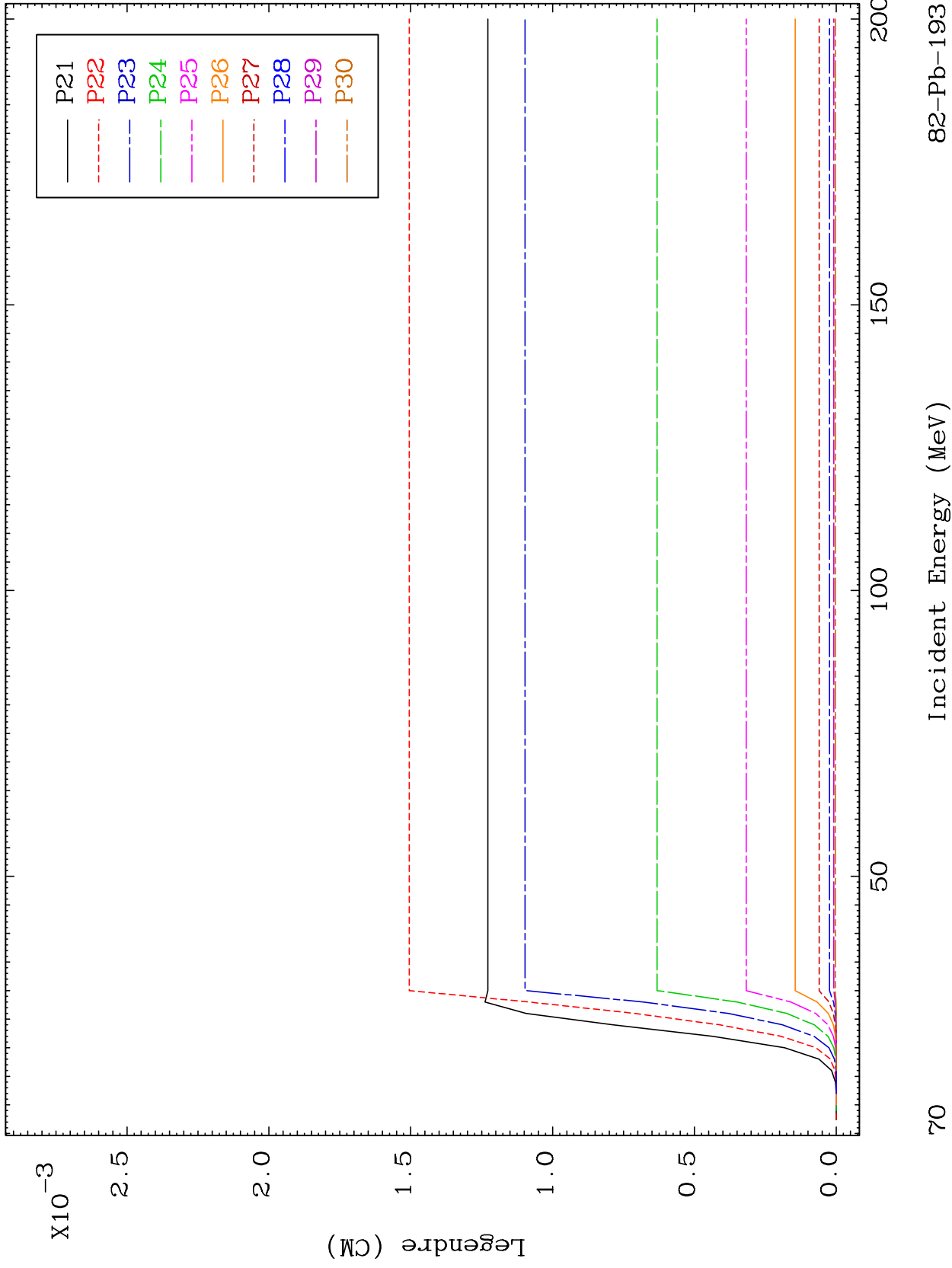
Incident Energy (MeV)

82-Pb-193

MAT 8192

725.8 keV (n,n') Level
Legendre Coefficients

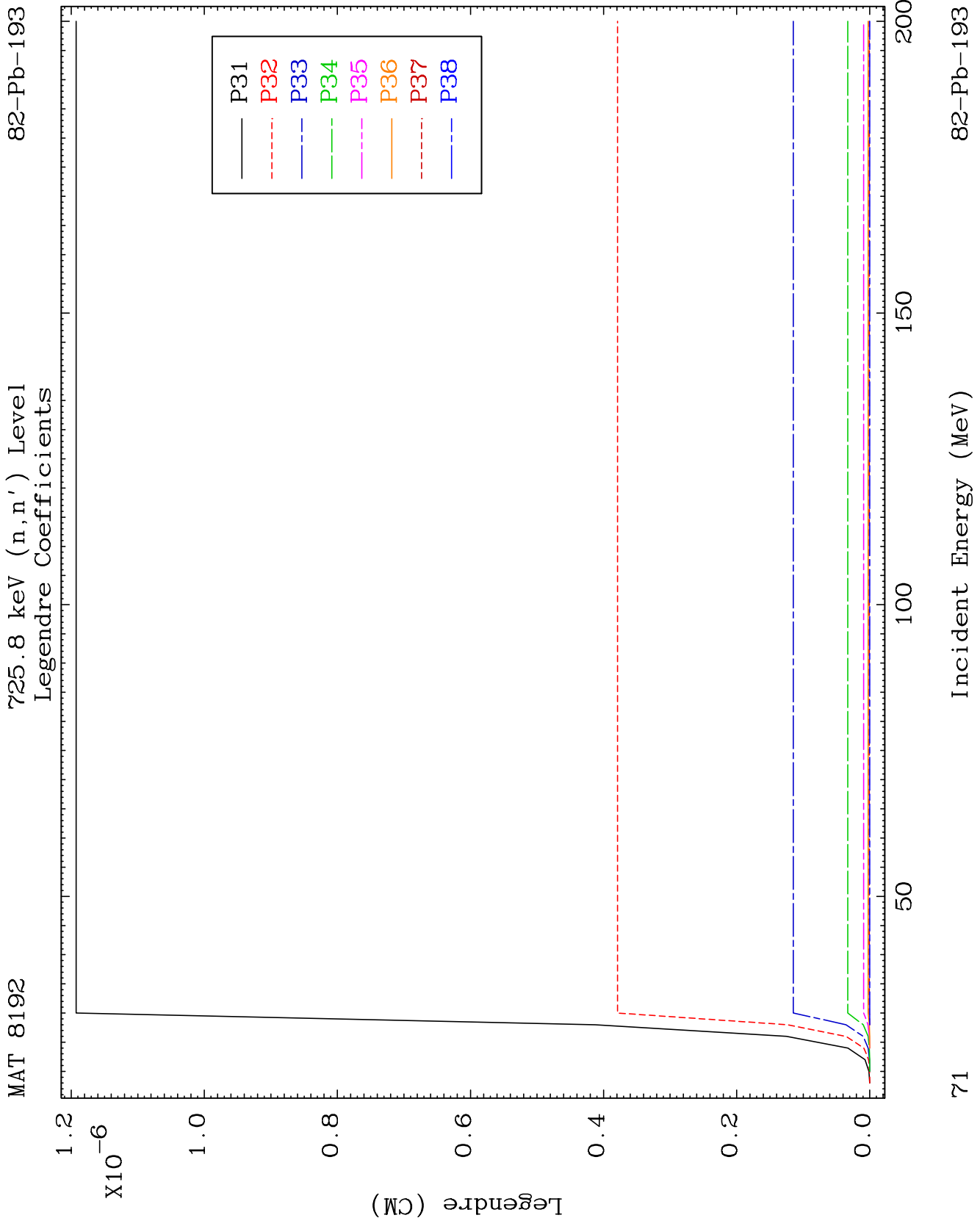
82-Pb-193



70

Incident Energy (MeV)

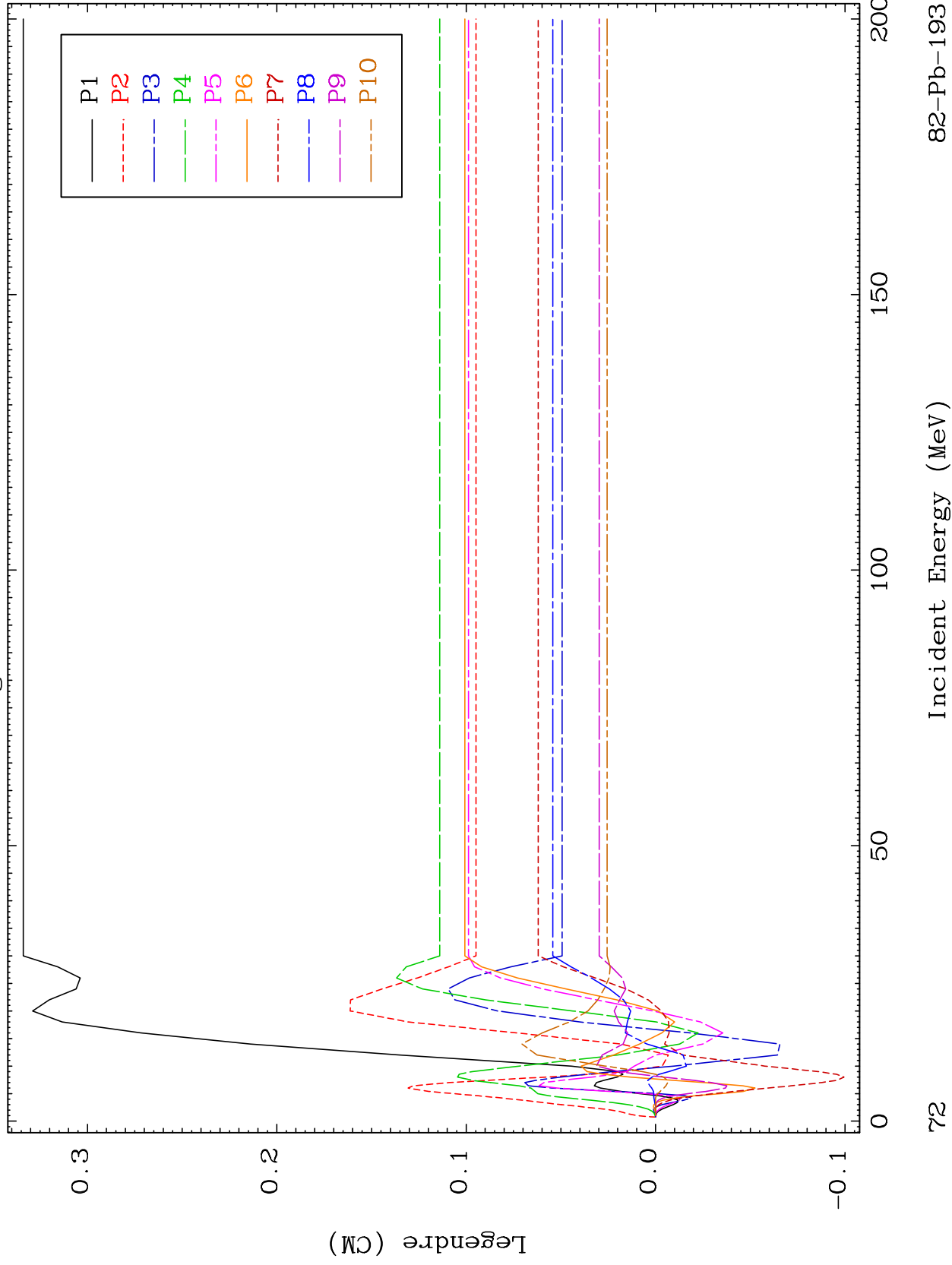
82-Pb-193



MAT 8192

737.1 keV (n,n') Level
Legendre Coefficients

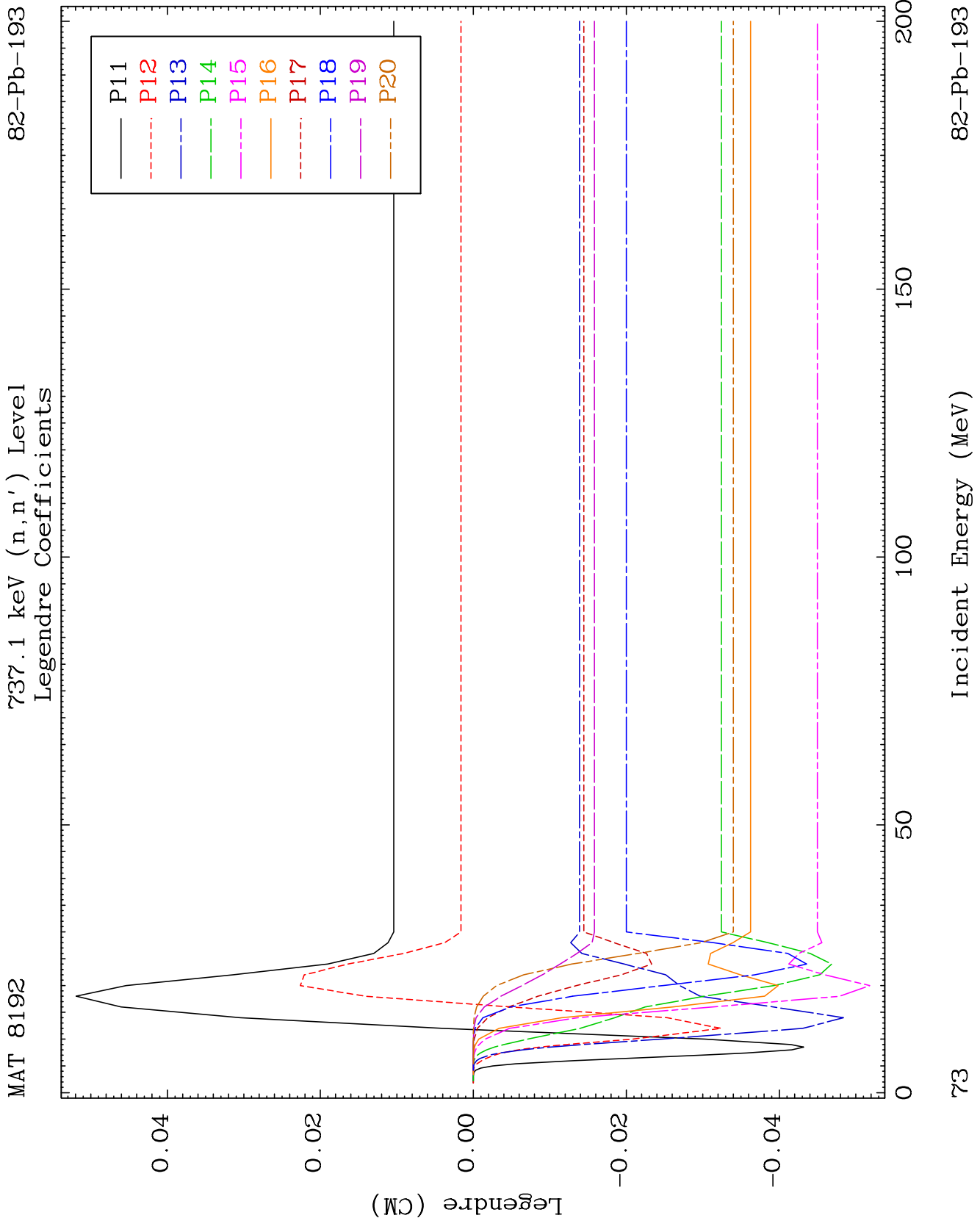
82-Pb-193



82-Pb-193

Incident Energy (MeV)

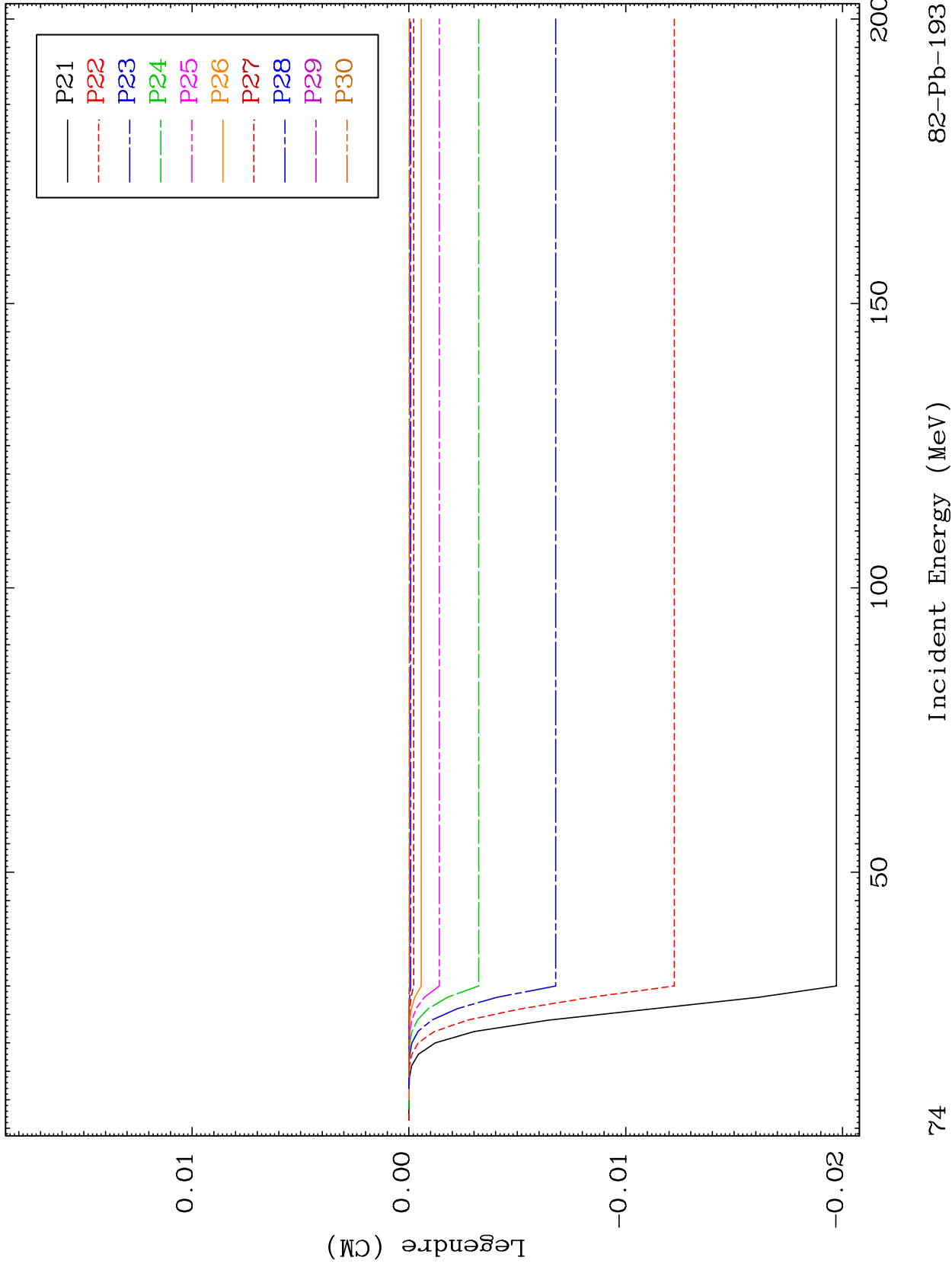
72



MAT 8192

737.1 keV (n,n') Level
Legendre Coefficients

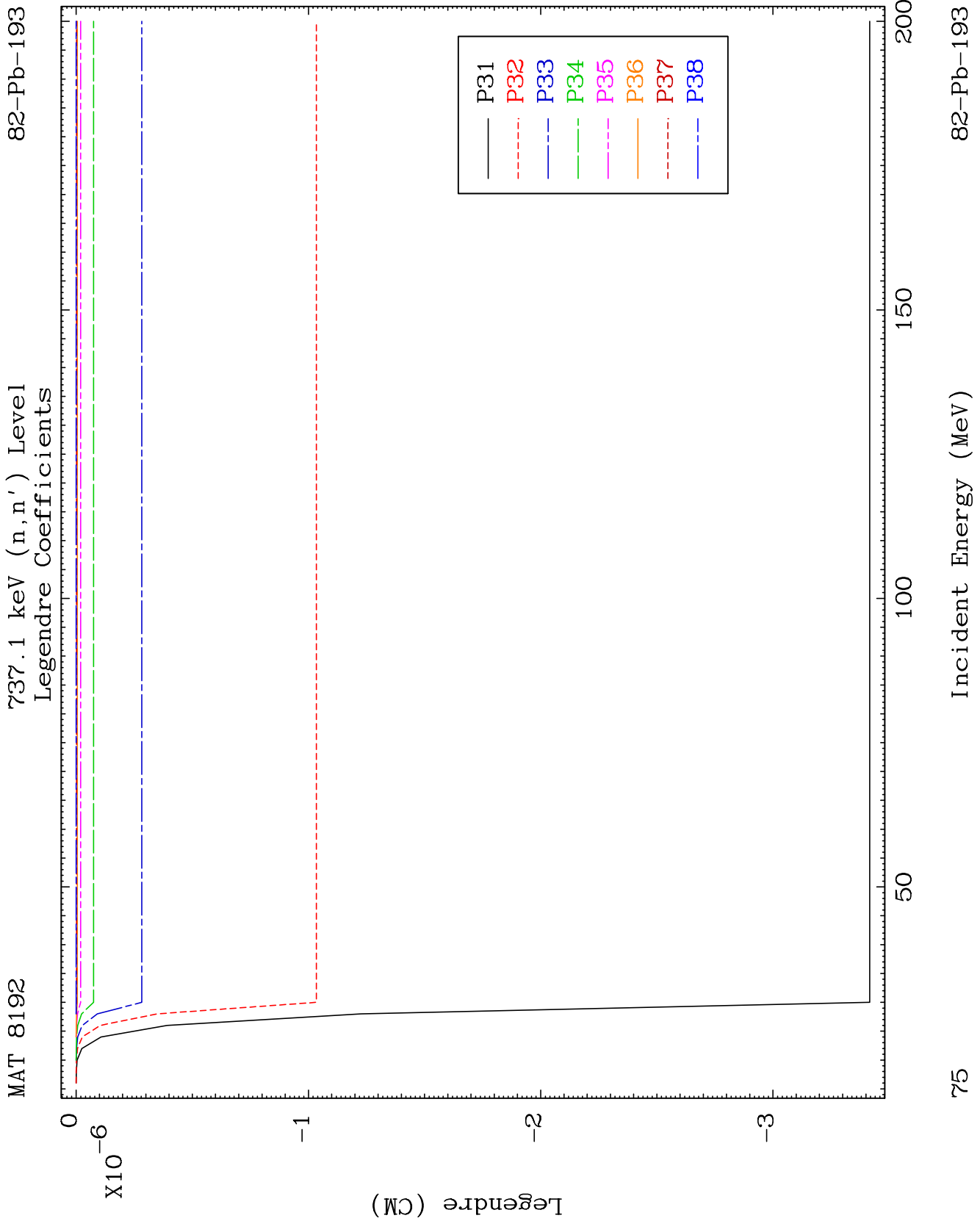
82-Pb-193



74

Incident Energy (MeV)

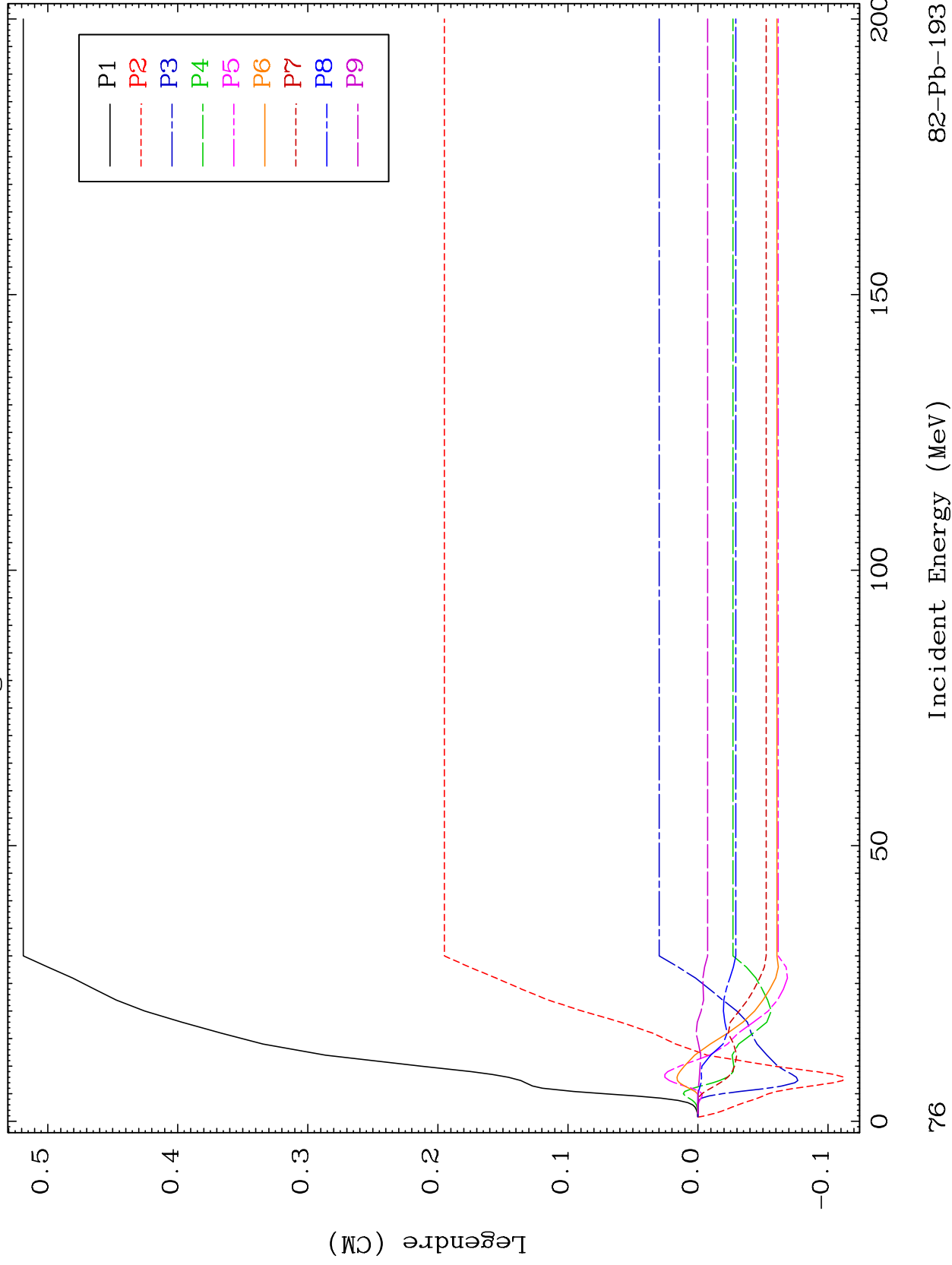
82-Pb-193



MAT 8192

763.6 keV (n,n') Level
Legendre Coefficients

82-Pb-193



82-Pb-193

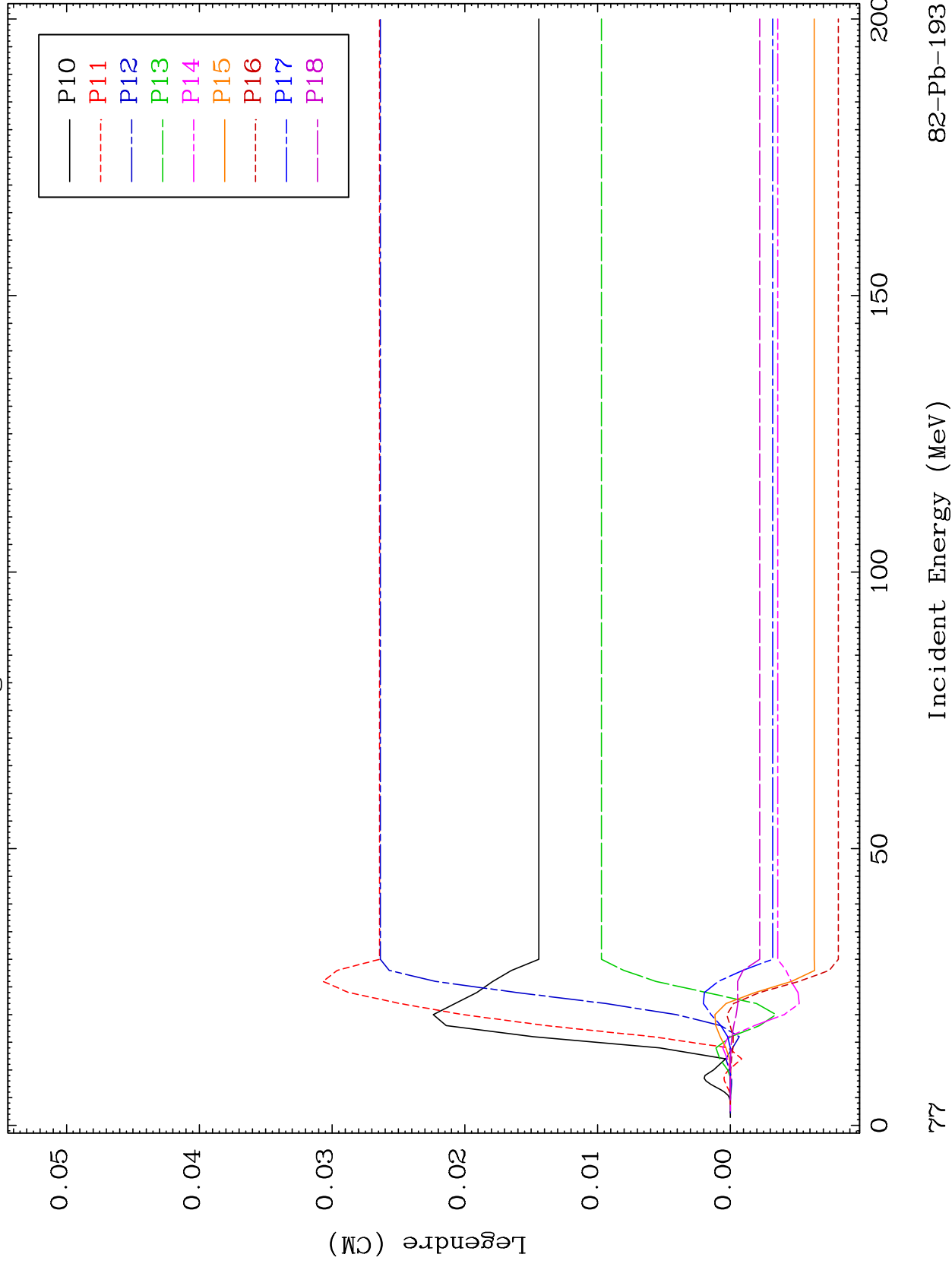
Incident Energy (MeV)

76

MAT 8192

763.6 keV (n,n') Level
Legendre Coefficients

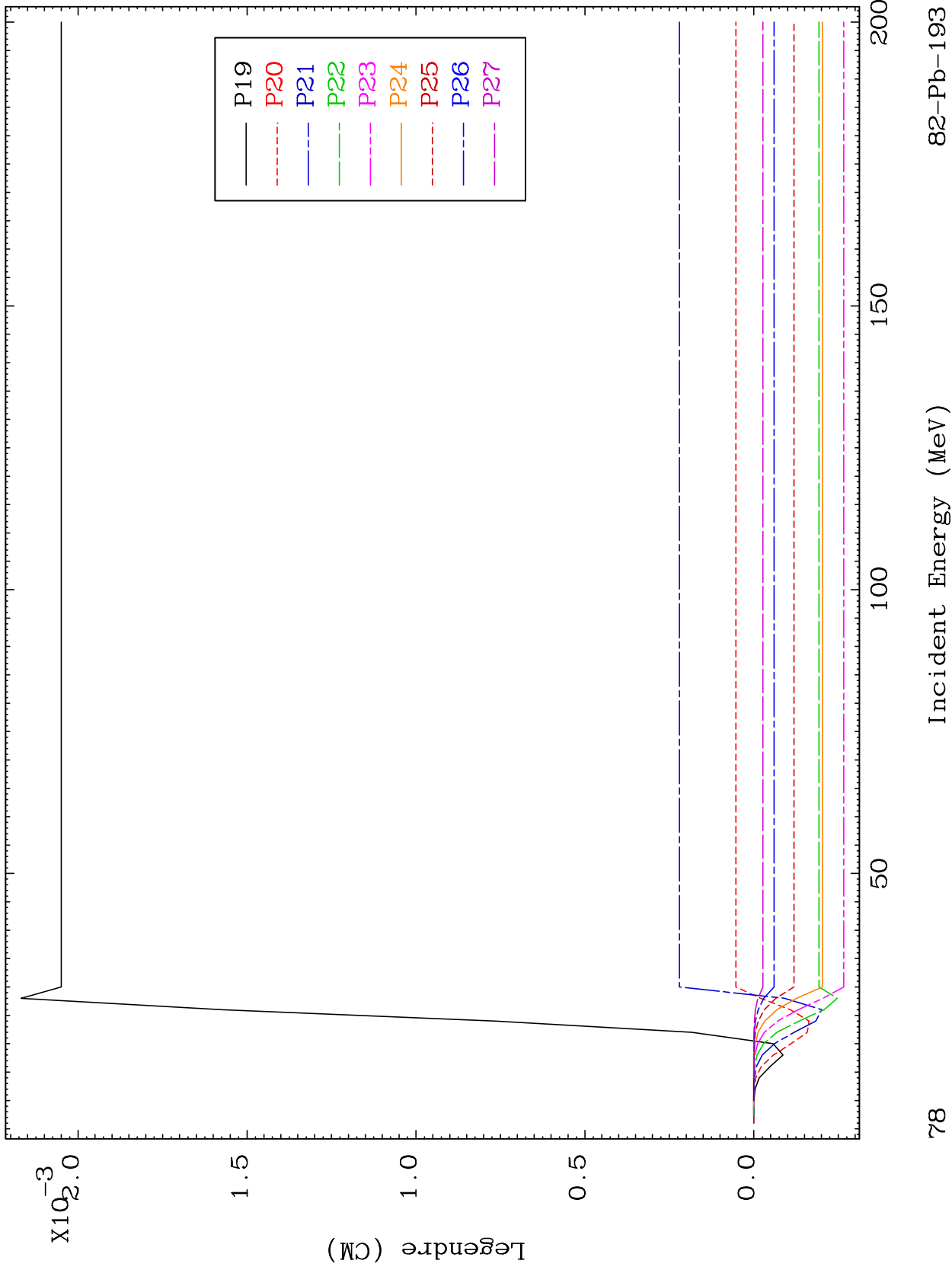
82-Pb-193

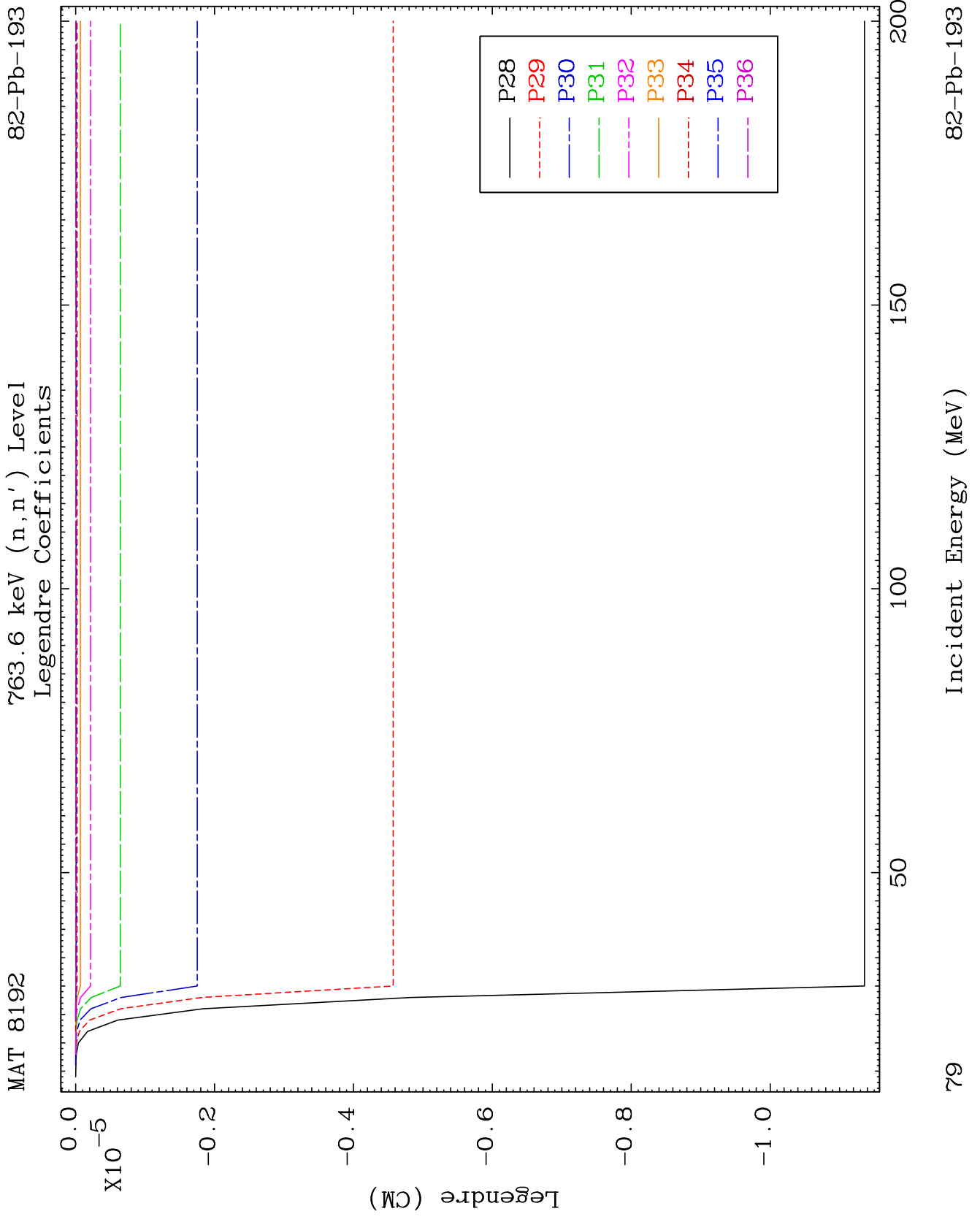


77

Incident Energy (MeV)

82-Pb-193

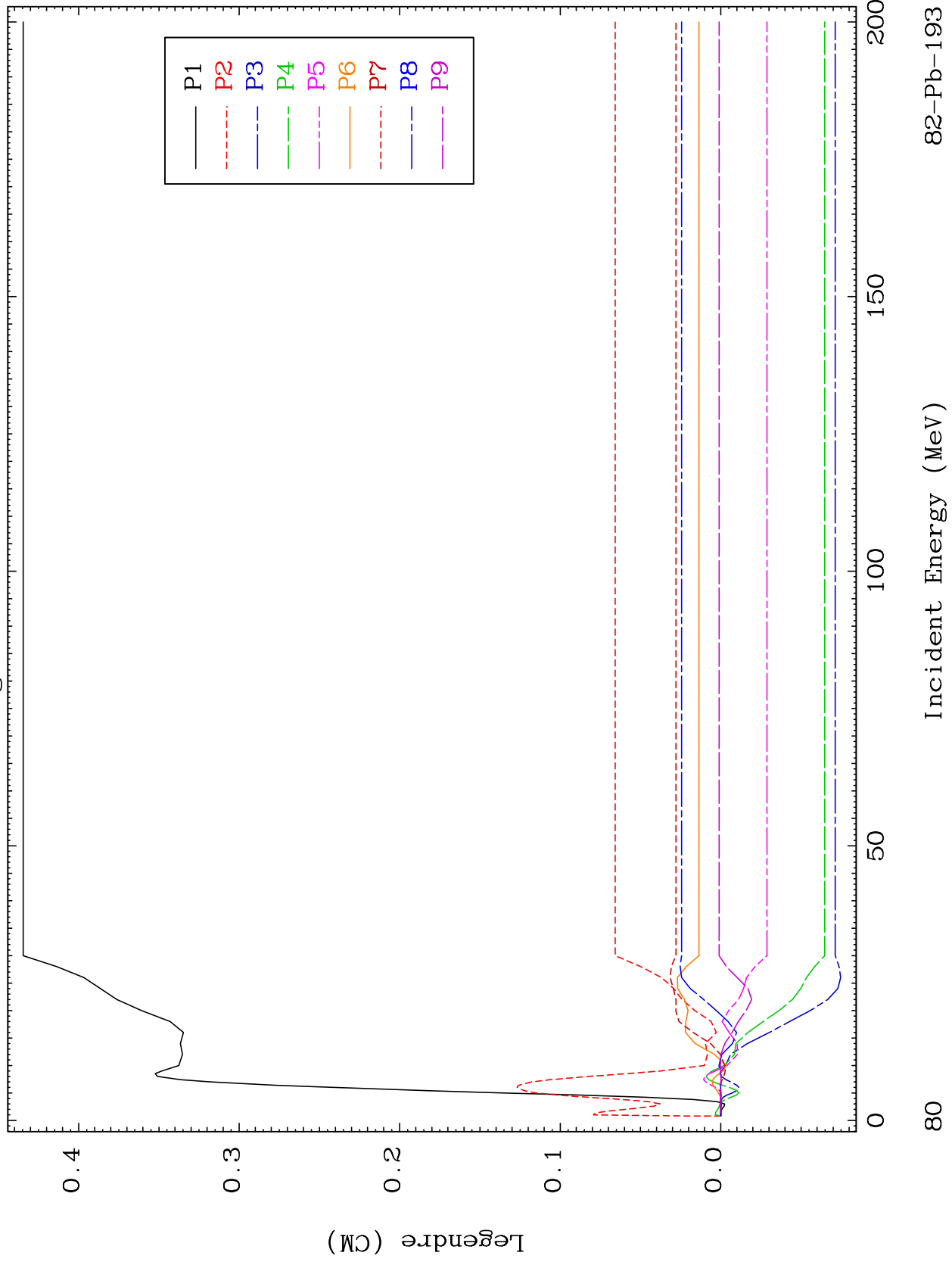




MAT 8192

776.8 keV (n, n') Level
Legendre Coefficients

82-Pb-193



82-Pb-193

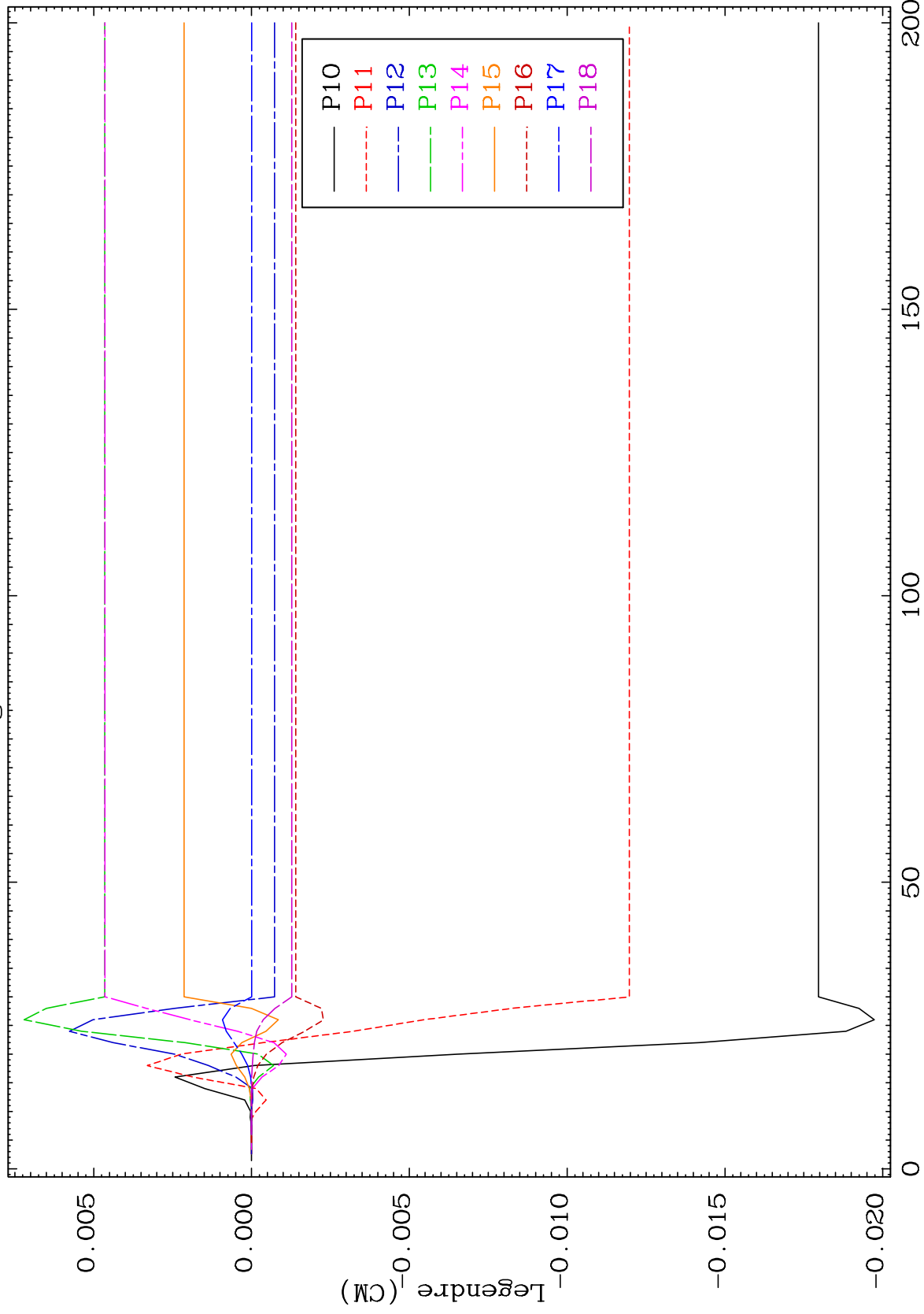
Incident Energy (MeV)

80

MAT 8192

776.8 keV (n,n') Level
Legendre Coefficients

82-Pb-193



81

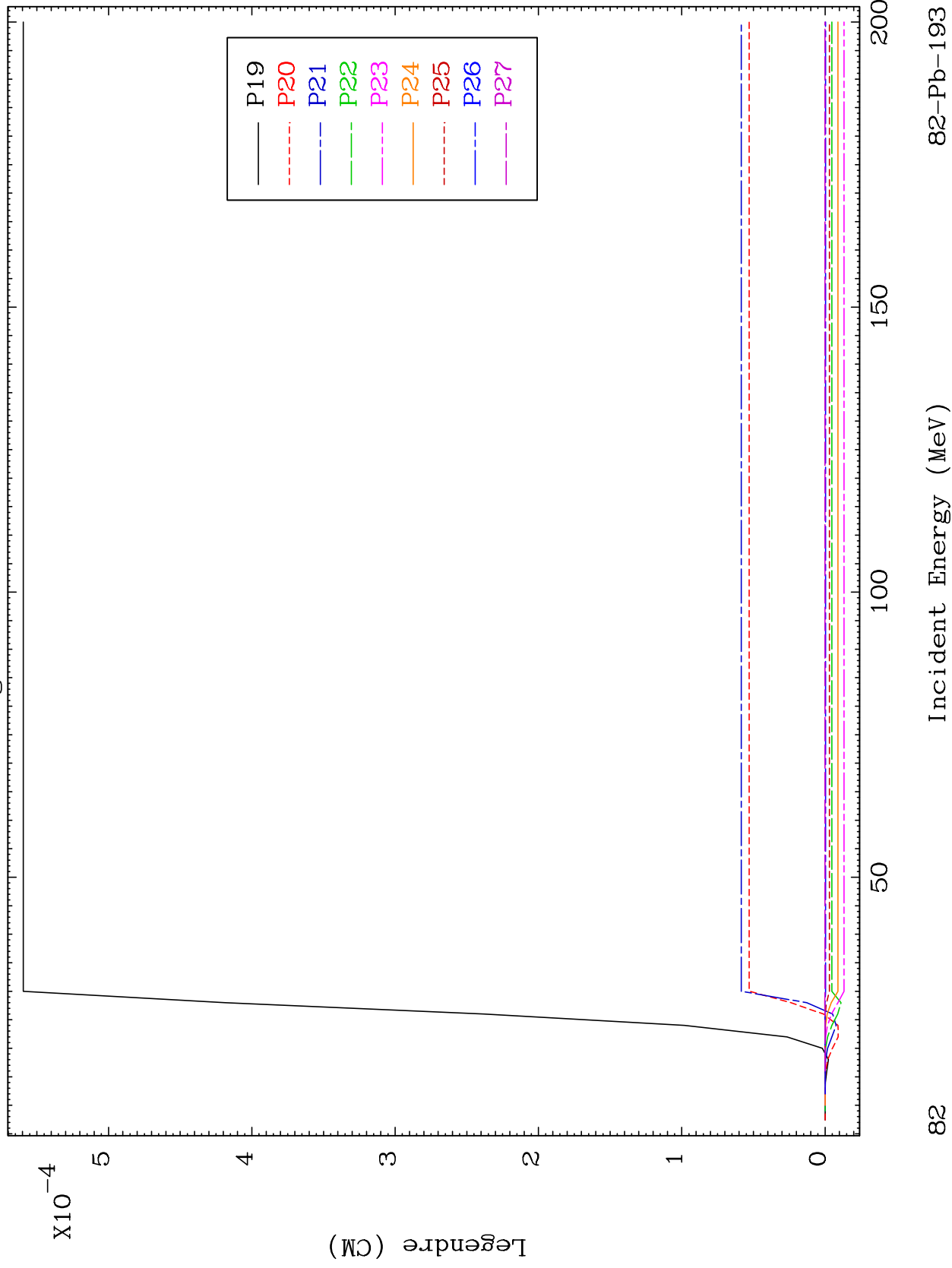
Incident Energy (MeV)

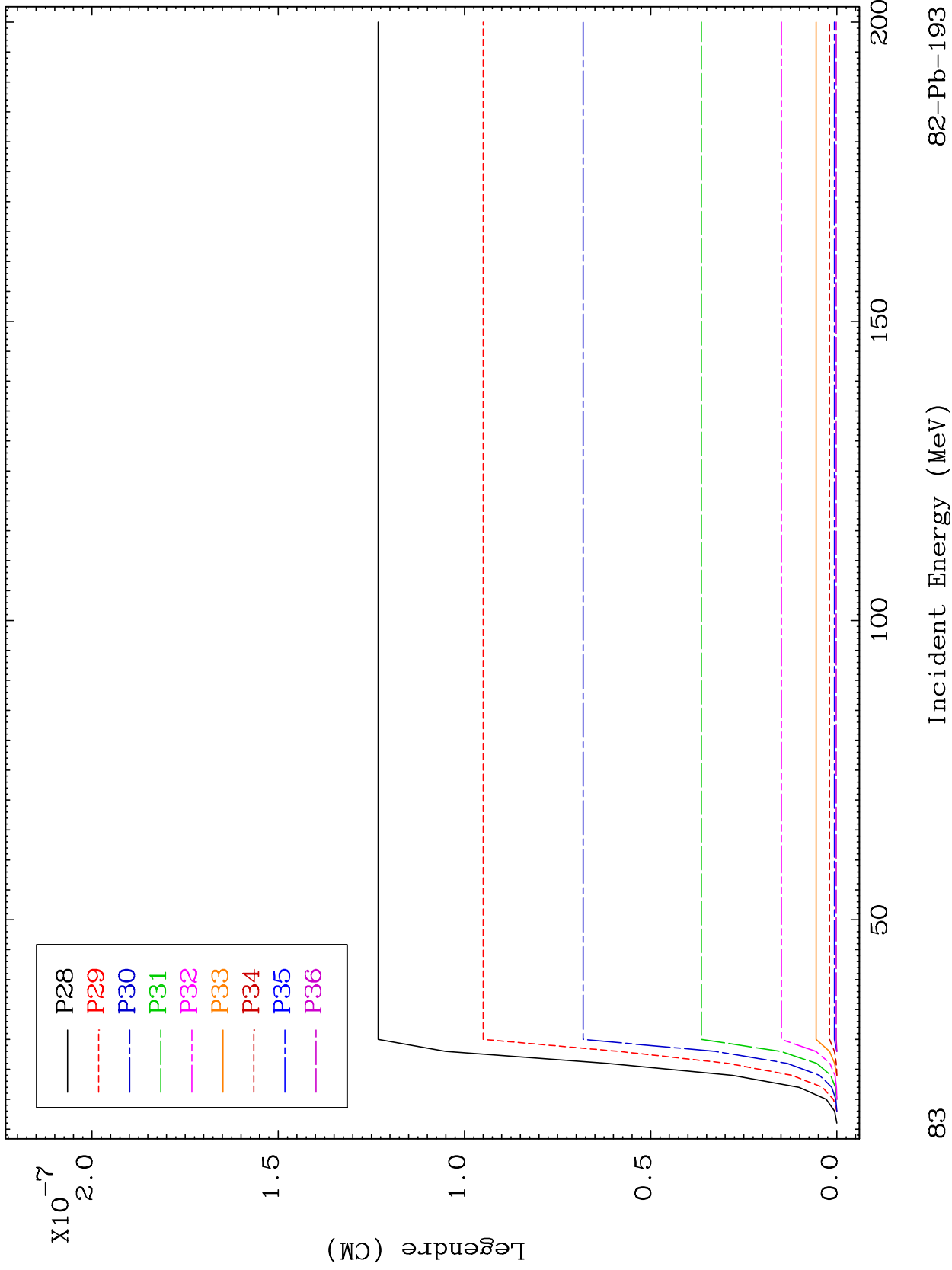
82-Pb-193

MAT 8192

776.8 keV (n,n') Level
Legendre Coefficients

82-Pb-193

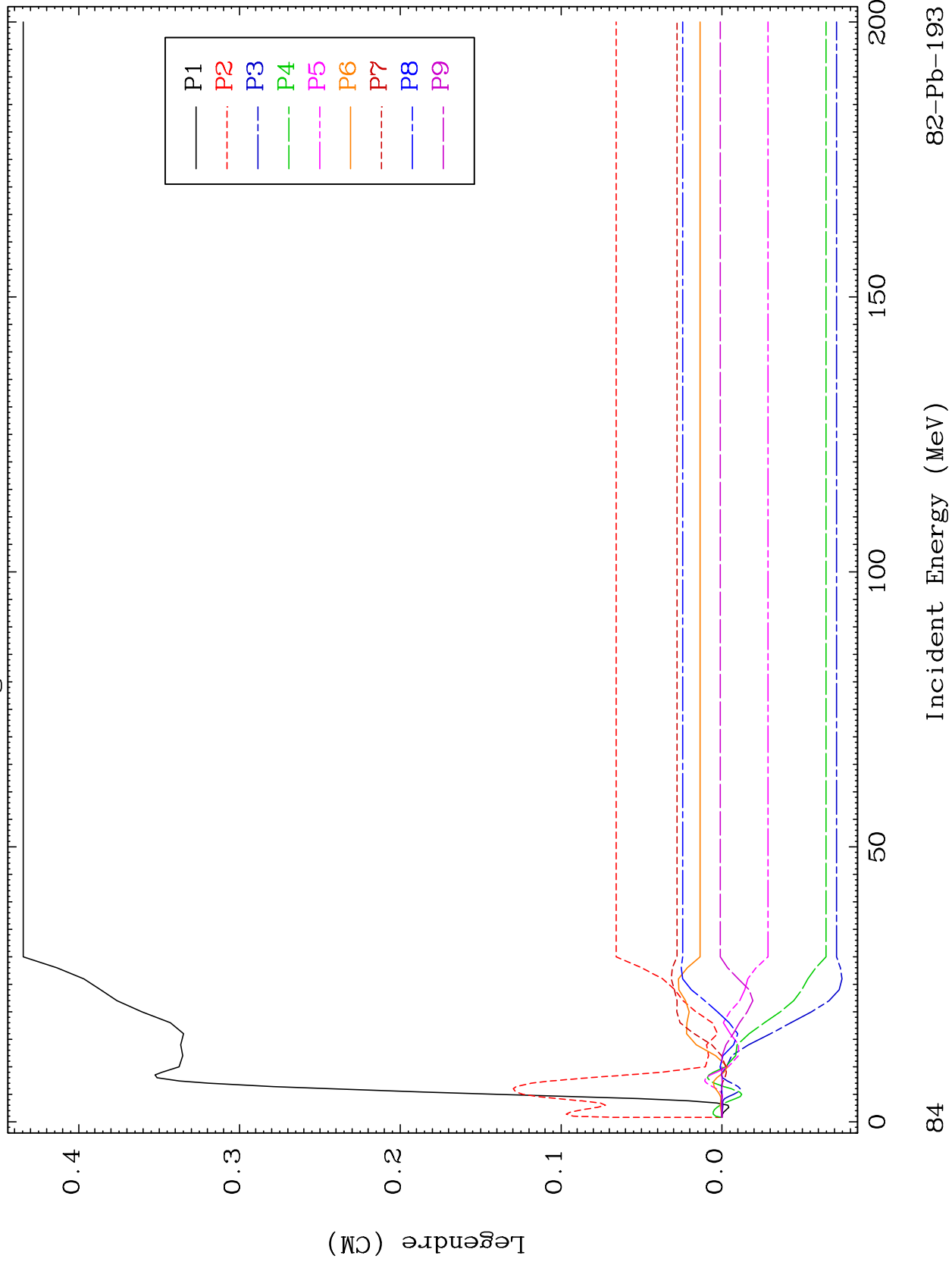




MAT 8192

779.4 keV (n,n') Level
Legendre Coefficients

82-Pb-193



84

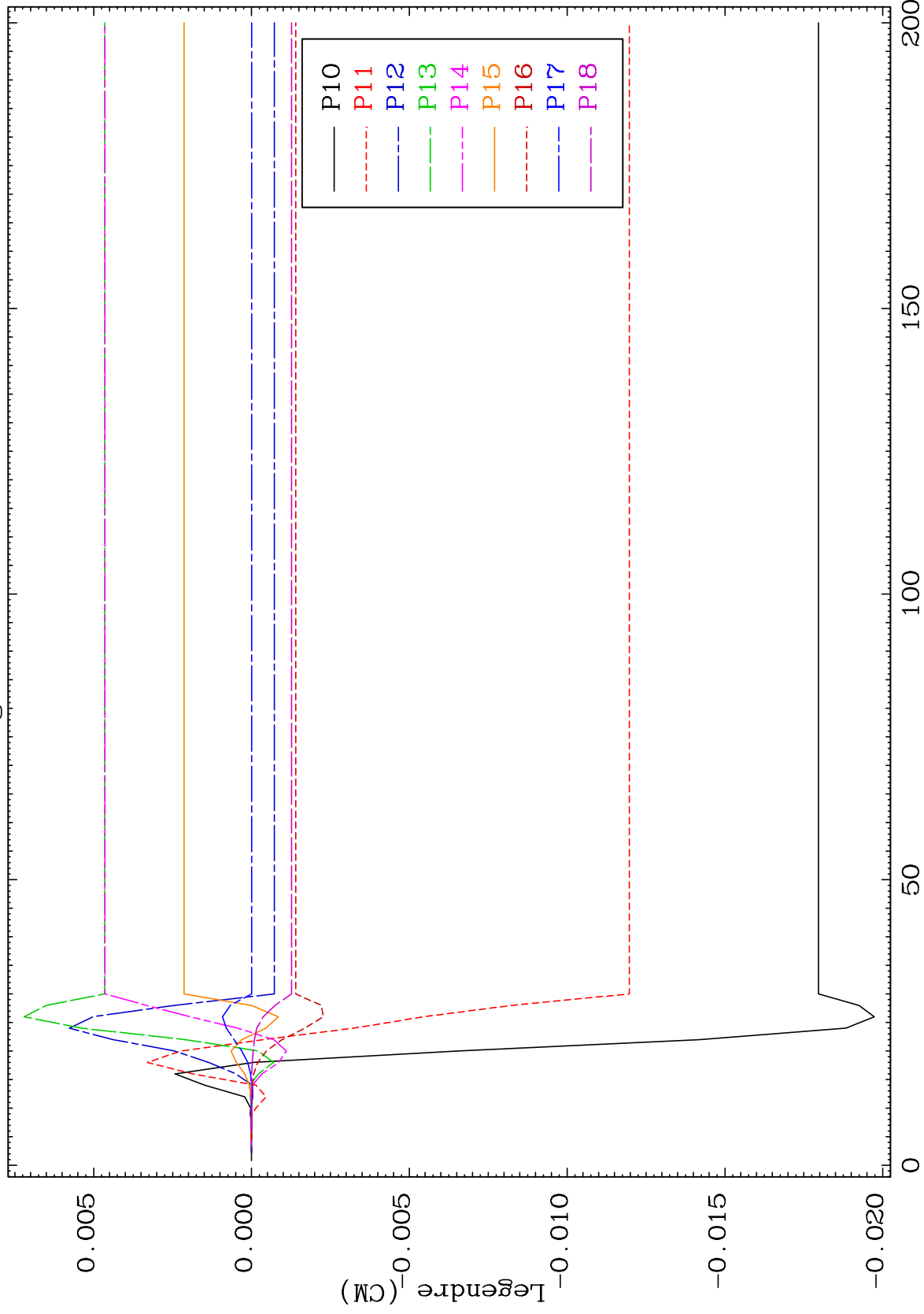
Incident Energy (MeV)

82-Pb-193

MAT 8192

779.4 keV (n,n') Level
Legendre Coefficients

82-Pb-193



85

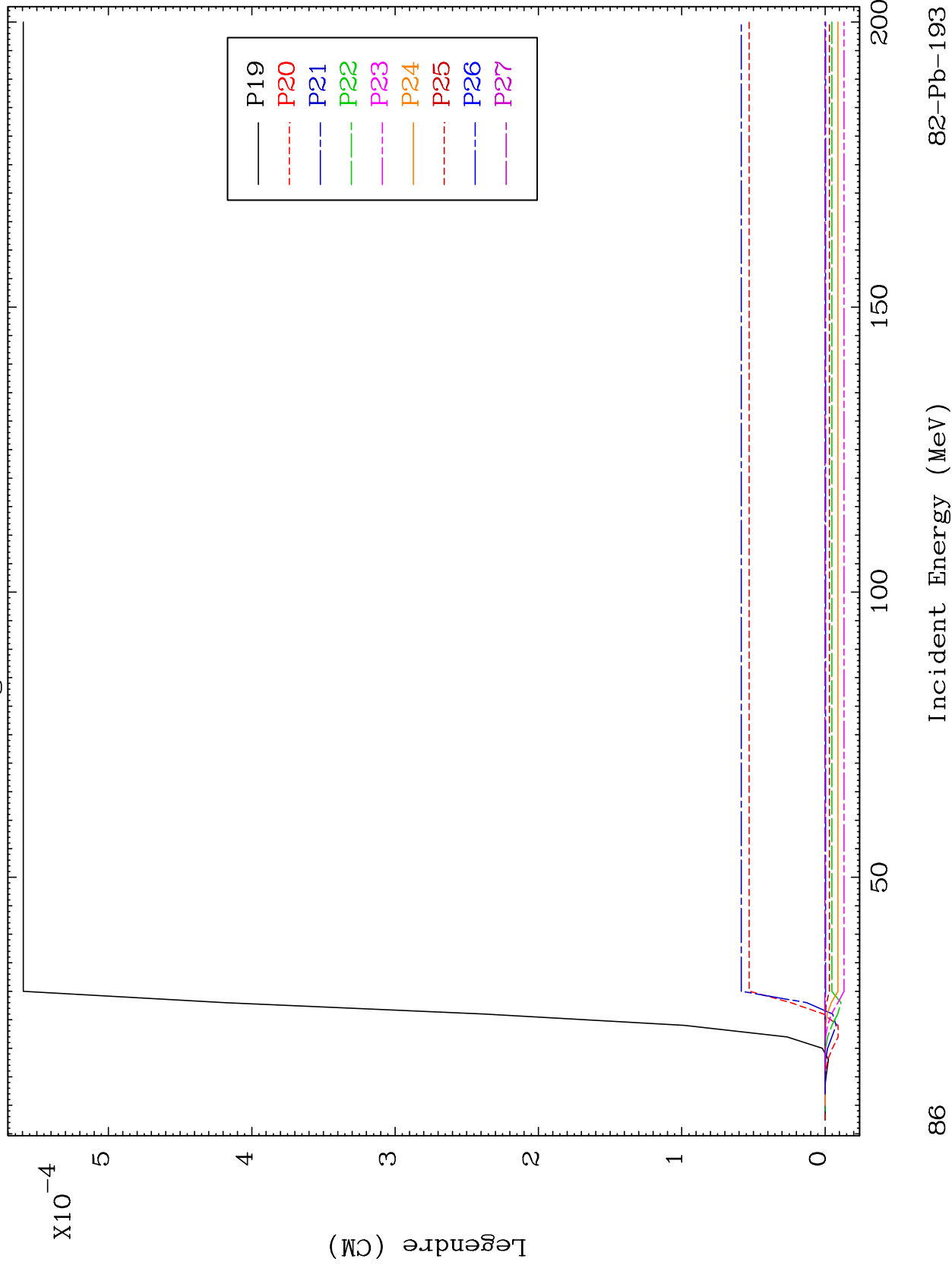
Incident Energy (MeV)

82-Pb-193

MAT 8192

779.4 keV (n,n') Level
Legendre Coefficients

82-Pb-193



86

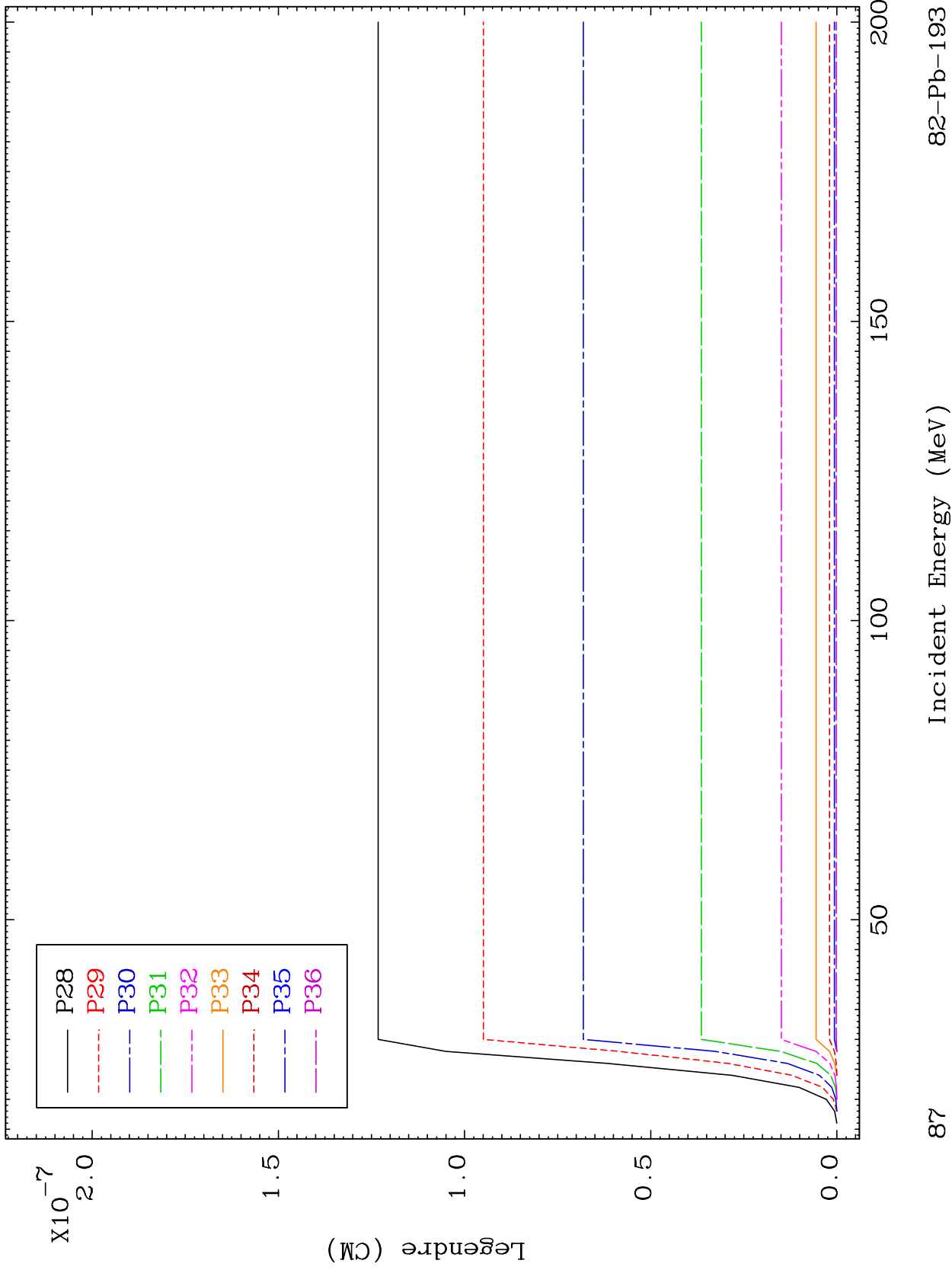
Incident Energy (MeV)

82-Pb-193

MAT 8192

779.4 keV (n,n') Level
Legendre Coefficients

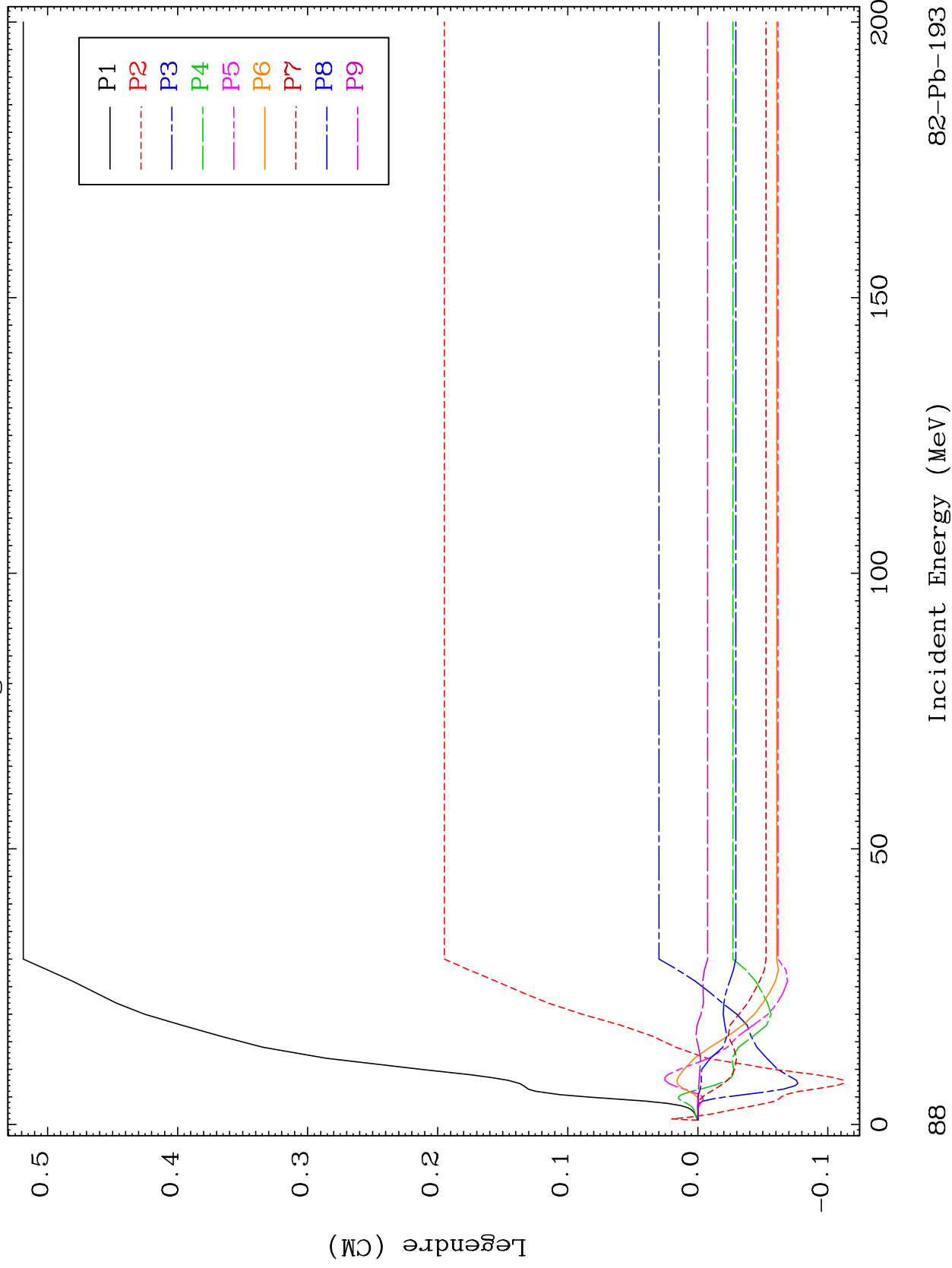
82-Pb-193



MAT 8192

781.1 keV (n,n') Level
Legendre Coefficients

82-Pb-193



82-Pb-193

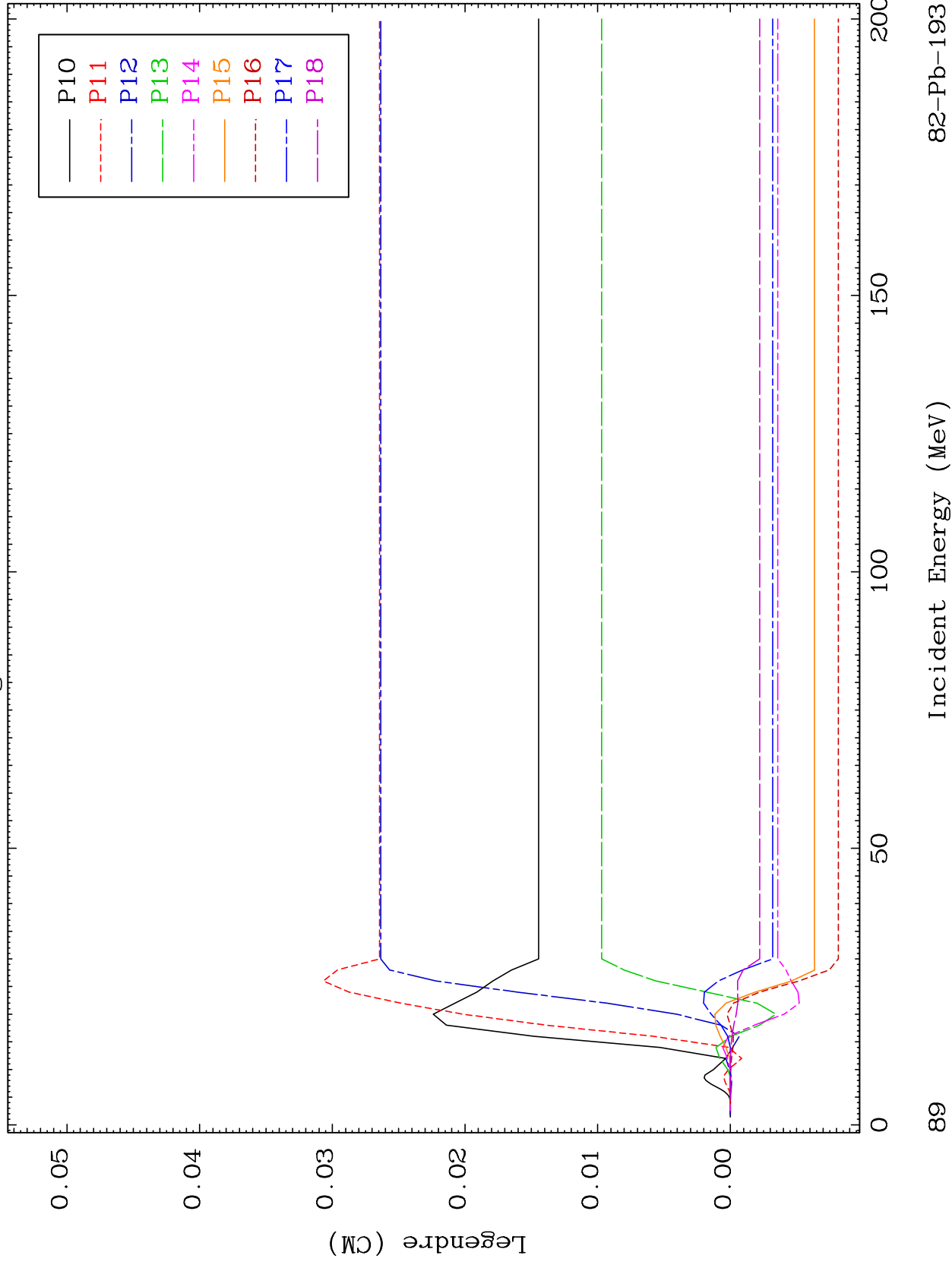
Incident Energy (MeV)

88

MAT 8192

781.1 keV (n,n') Level
Legendre Coefficients

82-Pb-193



82-Pb-193

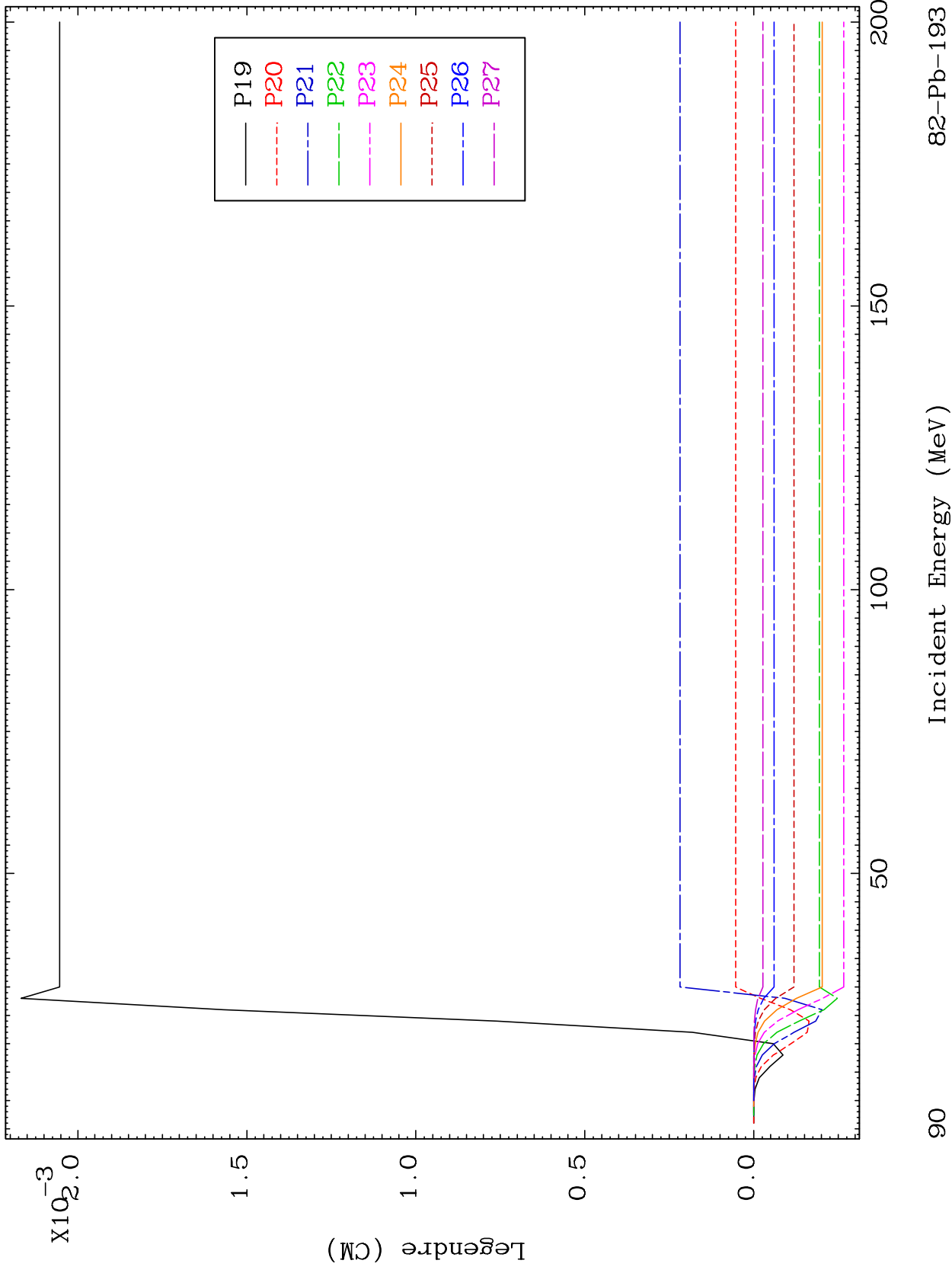
Incident Energy (MeV)

89

MAT 8192

781.1 keV (n,n') Level
Legendre Coefficients

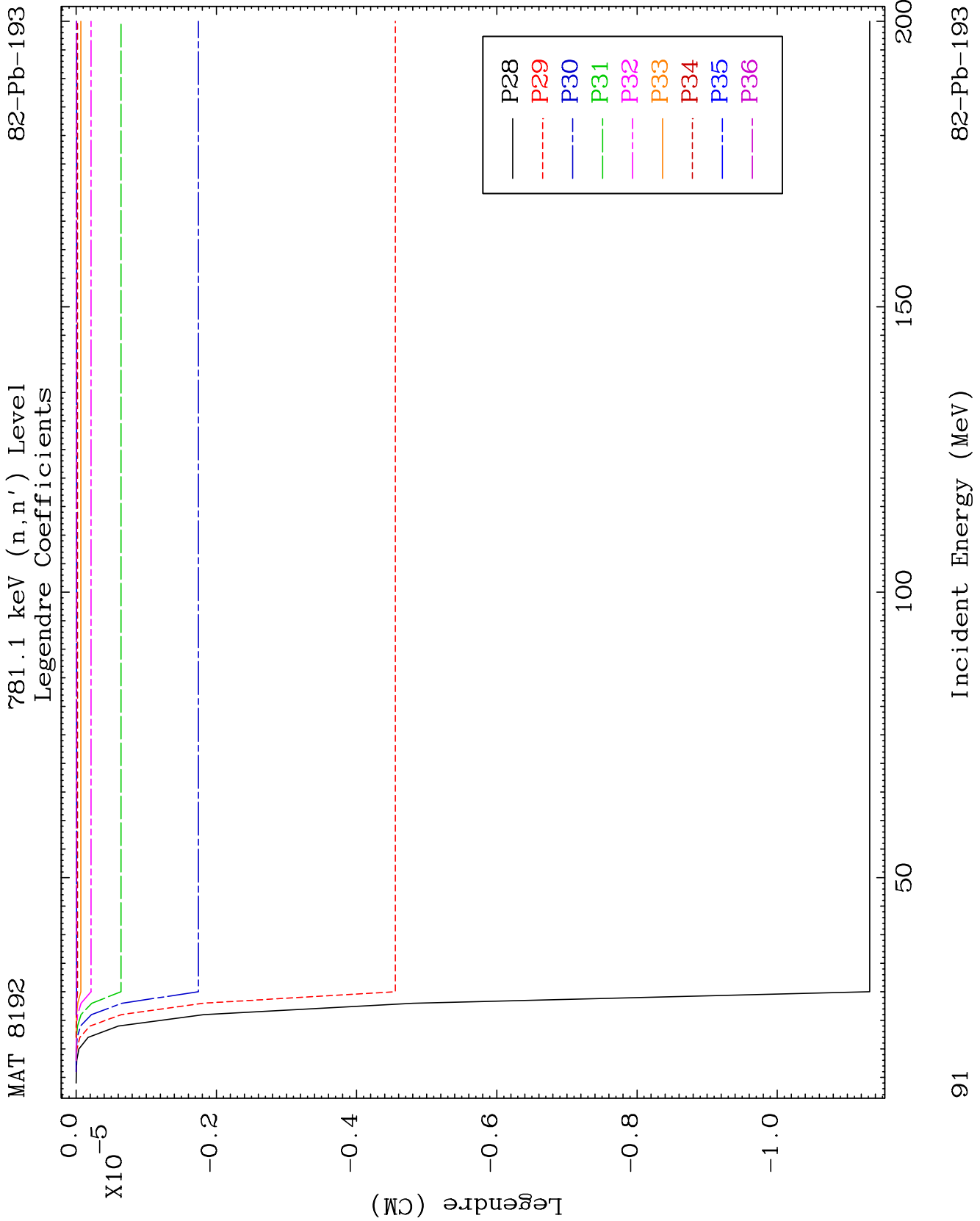
82-Pb-193



90

Incident Energy (MeV)

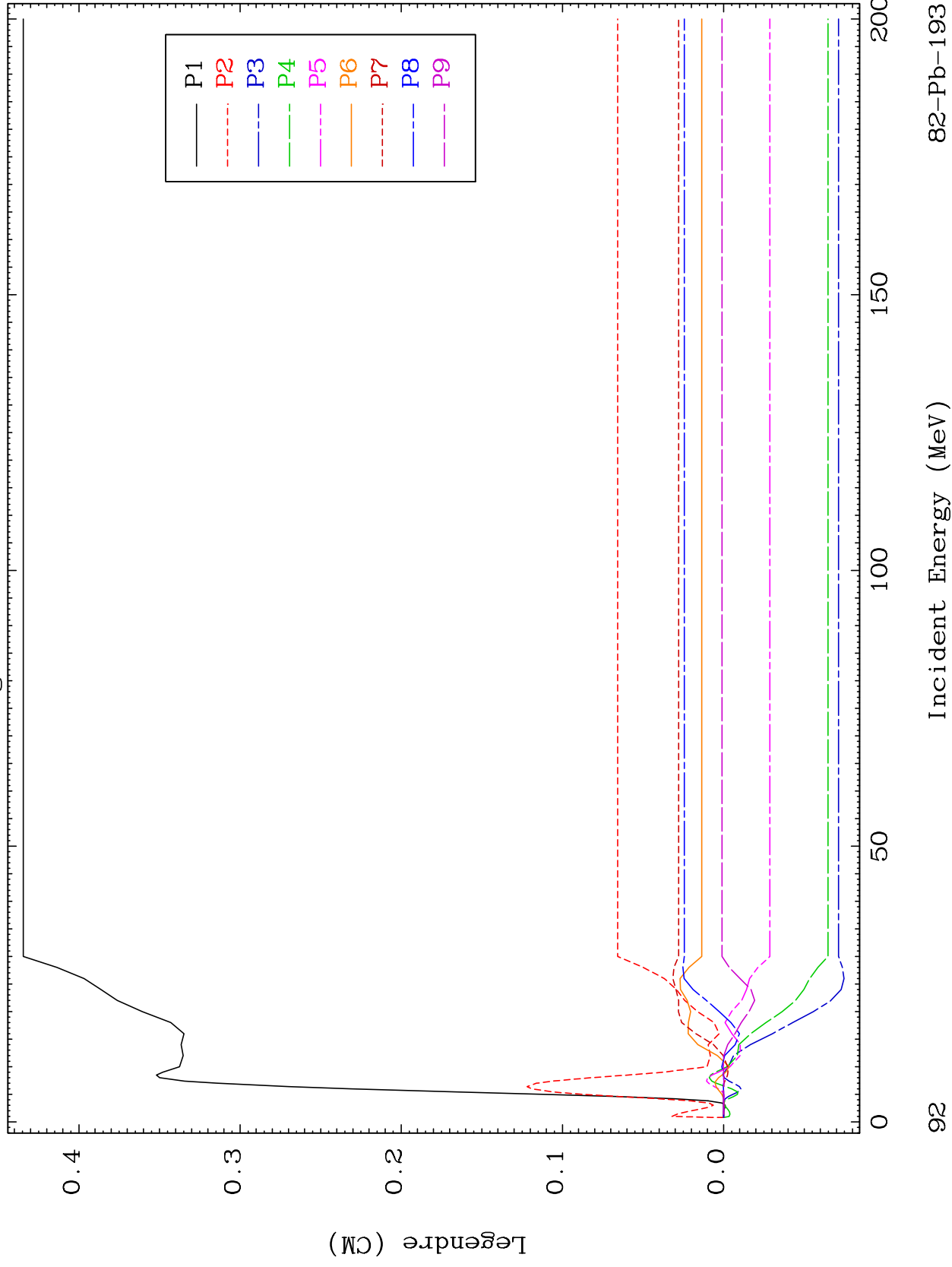
82-Pb-193



MAT 8192

786.1 keV (n,n') Level
Legendre Coefficients

82-Pb-193



92

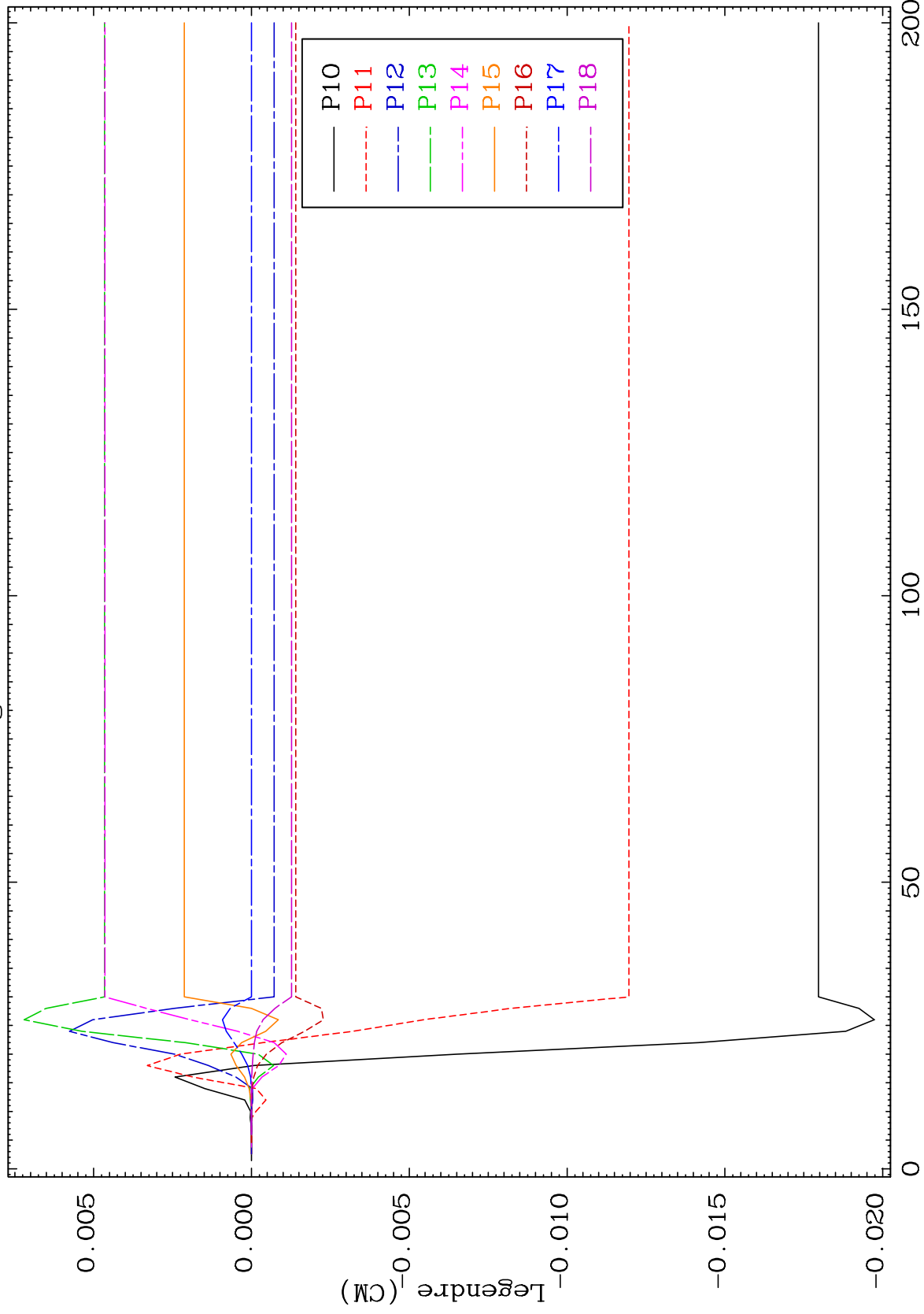
Incident Energy (MeV)

82-Pb-193

MAT 8192

786.1 keV (n,n') Level
Legendre Coefficients

82-Pb-193



93

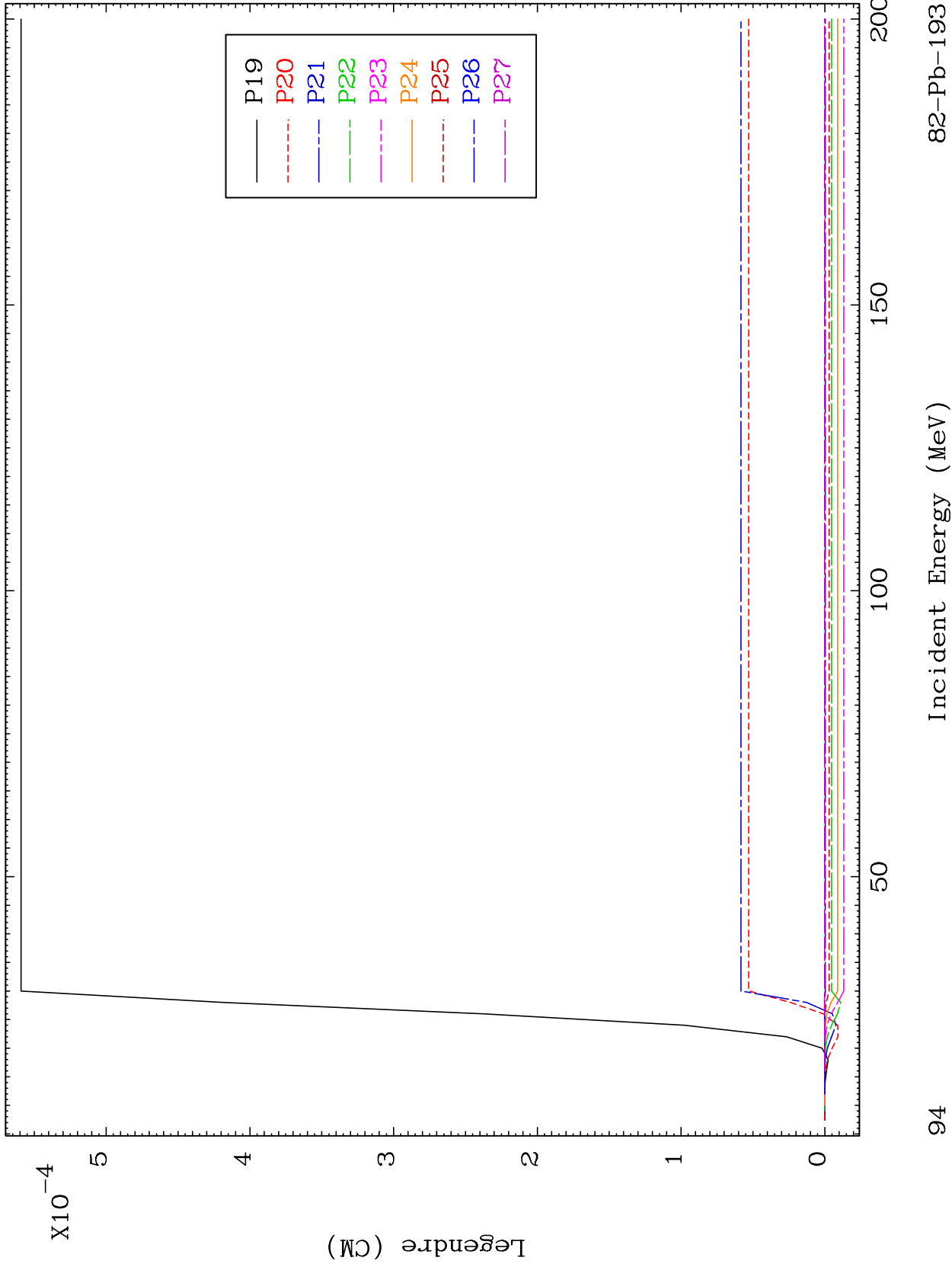
Incident Energy (MeV)

82-Pb-193

MAT 8192

786.1 keV (n,n') Level
Legendre Coefficients

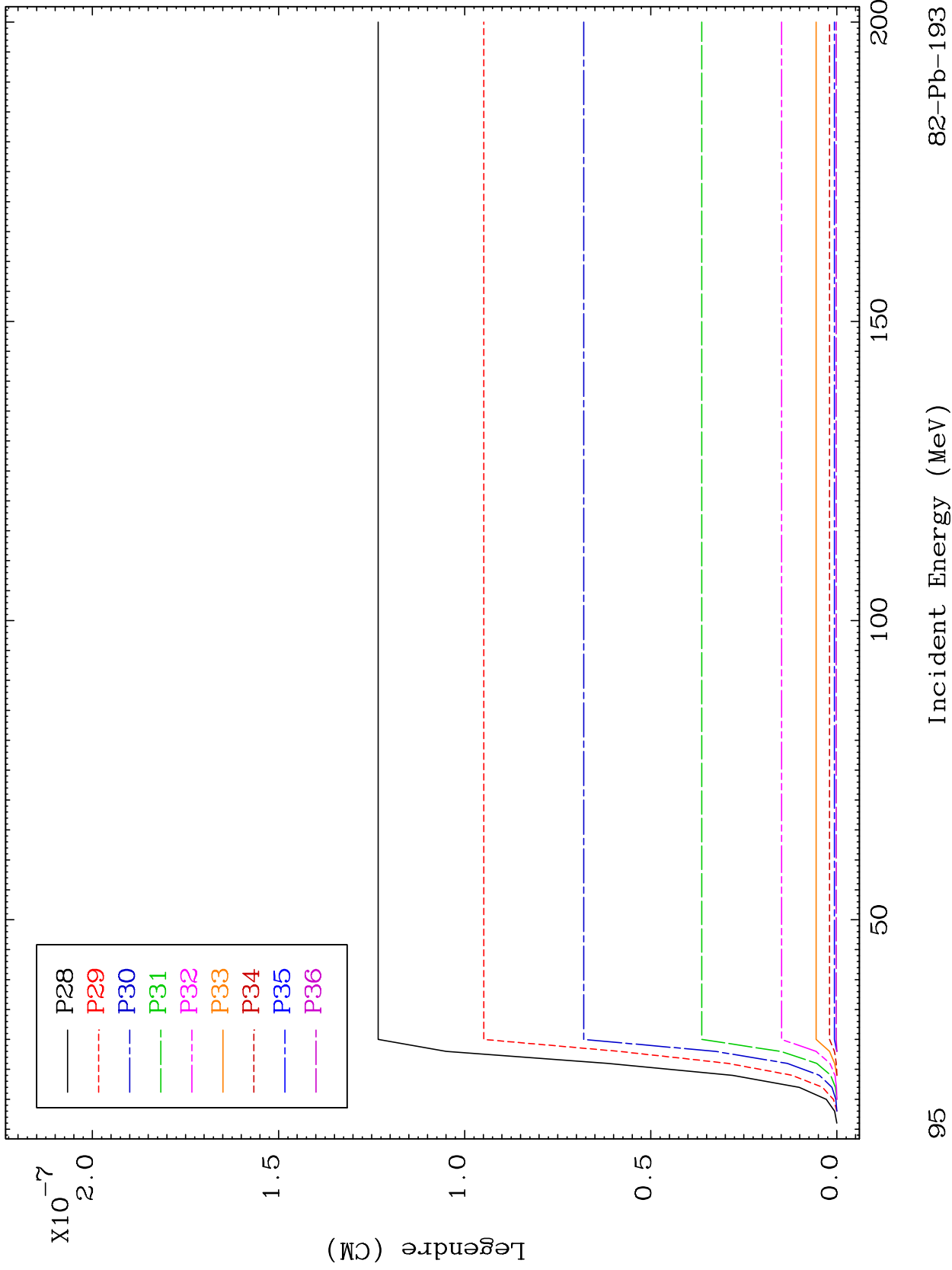
82-Pb-193



MAT 8192

786.1 keV (n,n') Level
Legendre Coefficients

82-Pb-193



95

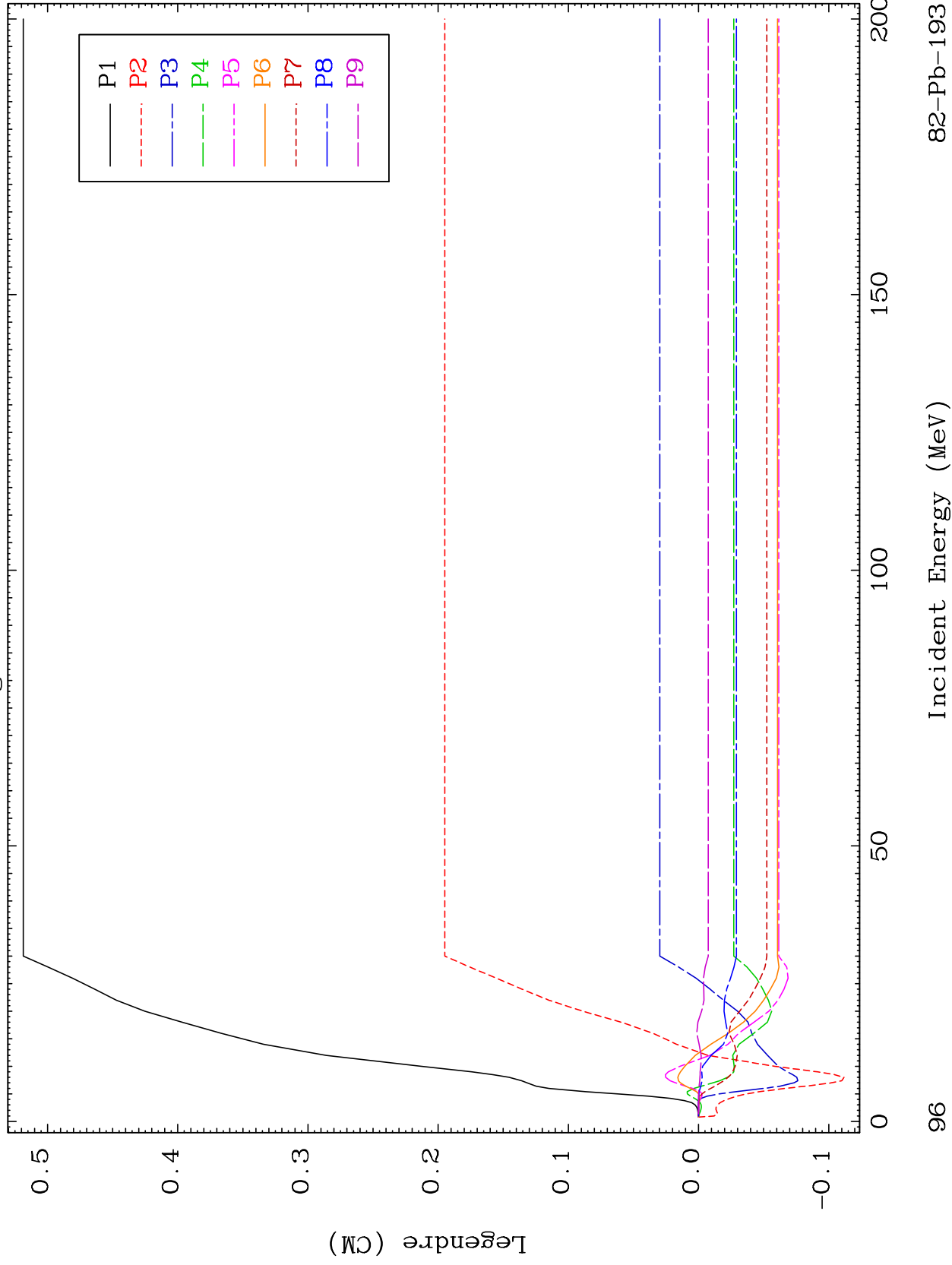
Incident Energy (MeV)

82-Pb-193

MAT 8192

788.6 keV (n,n') Level
Legendre Coefficients

82-Pb-193



82-Pb-193

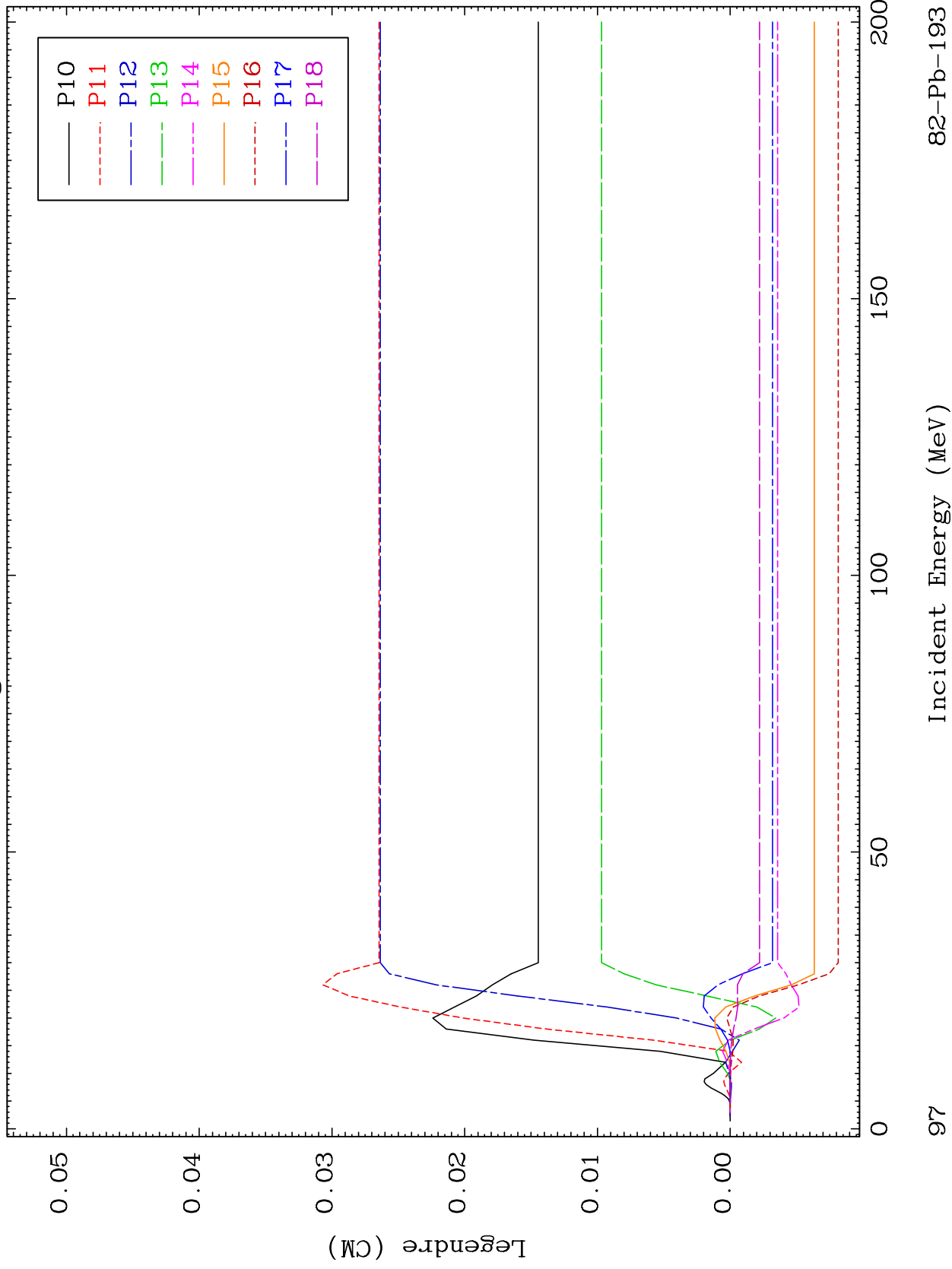
Incident Energy (MeV)

96

MAT 8192

788.6 keV (n,n') Level
Legendre Coefficients

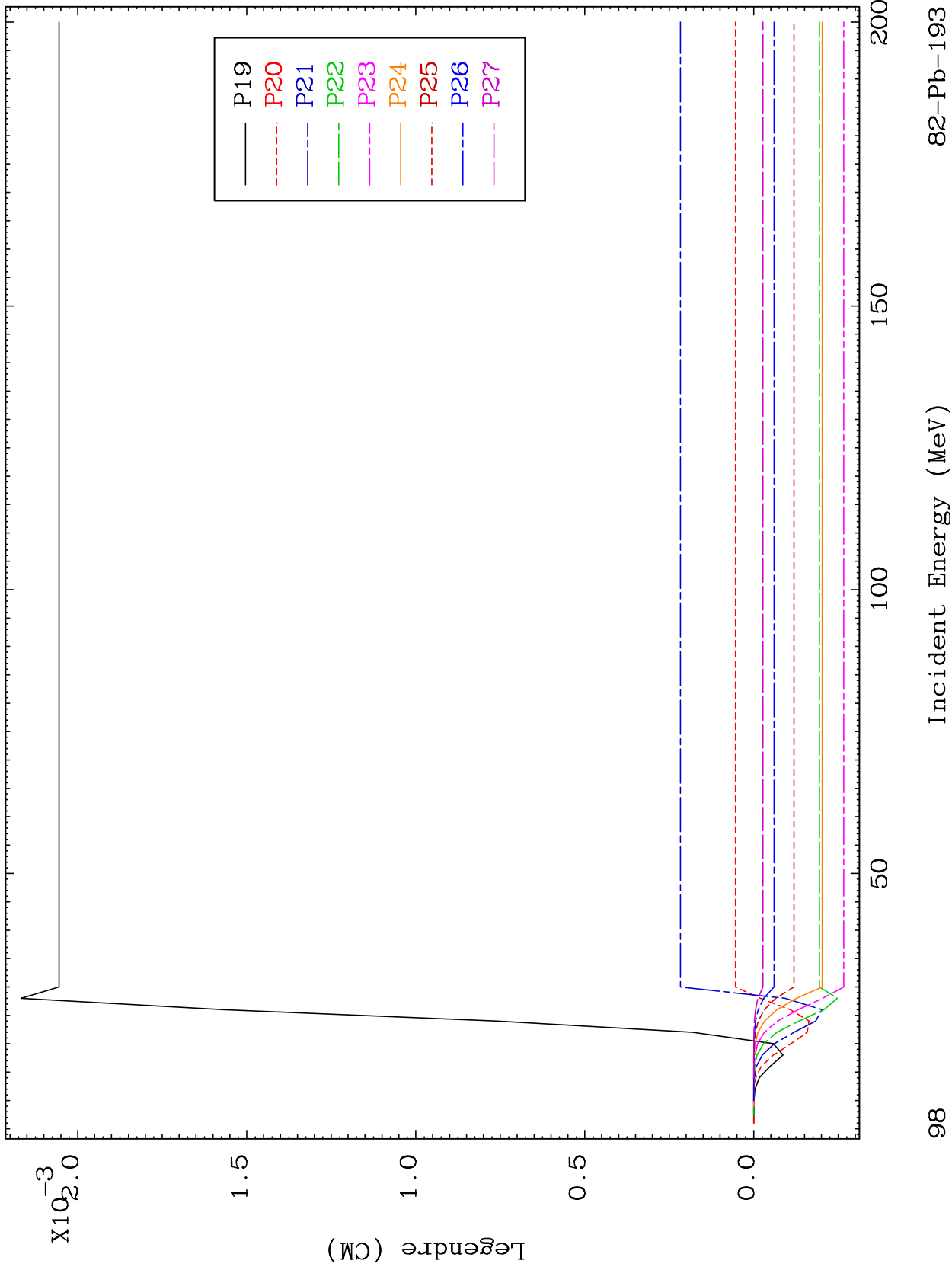
82-Pb-193

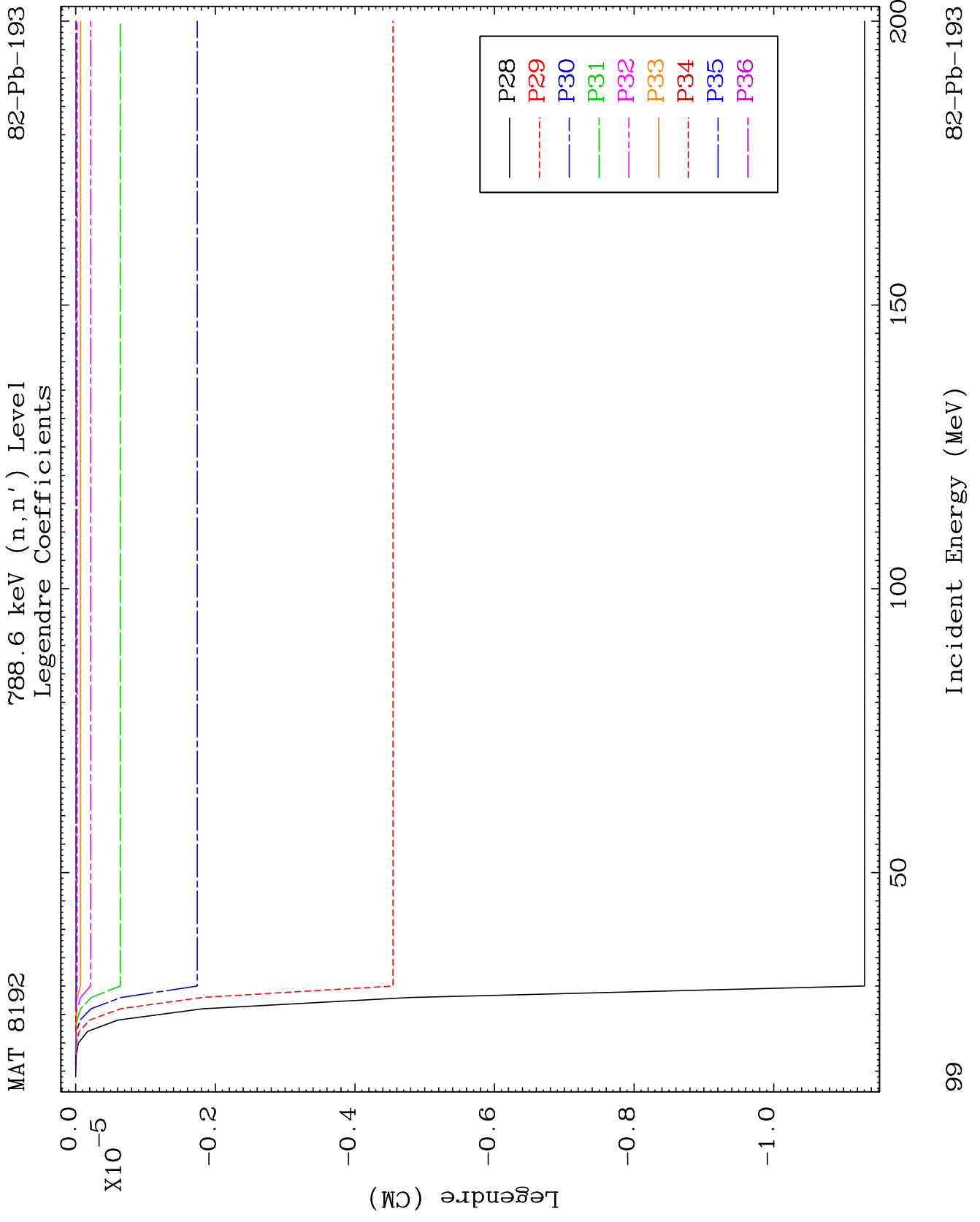


97

Incident Energy (MeV)

82-Pb-193

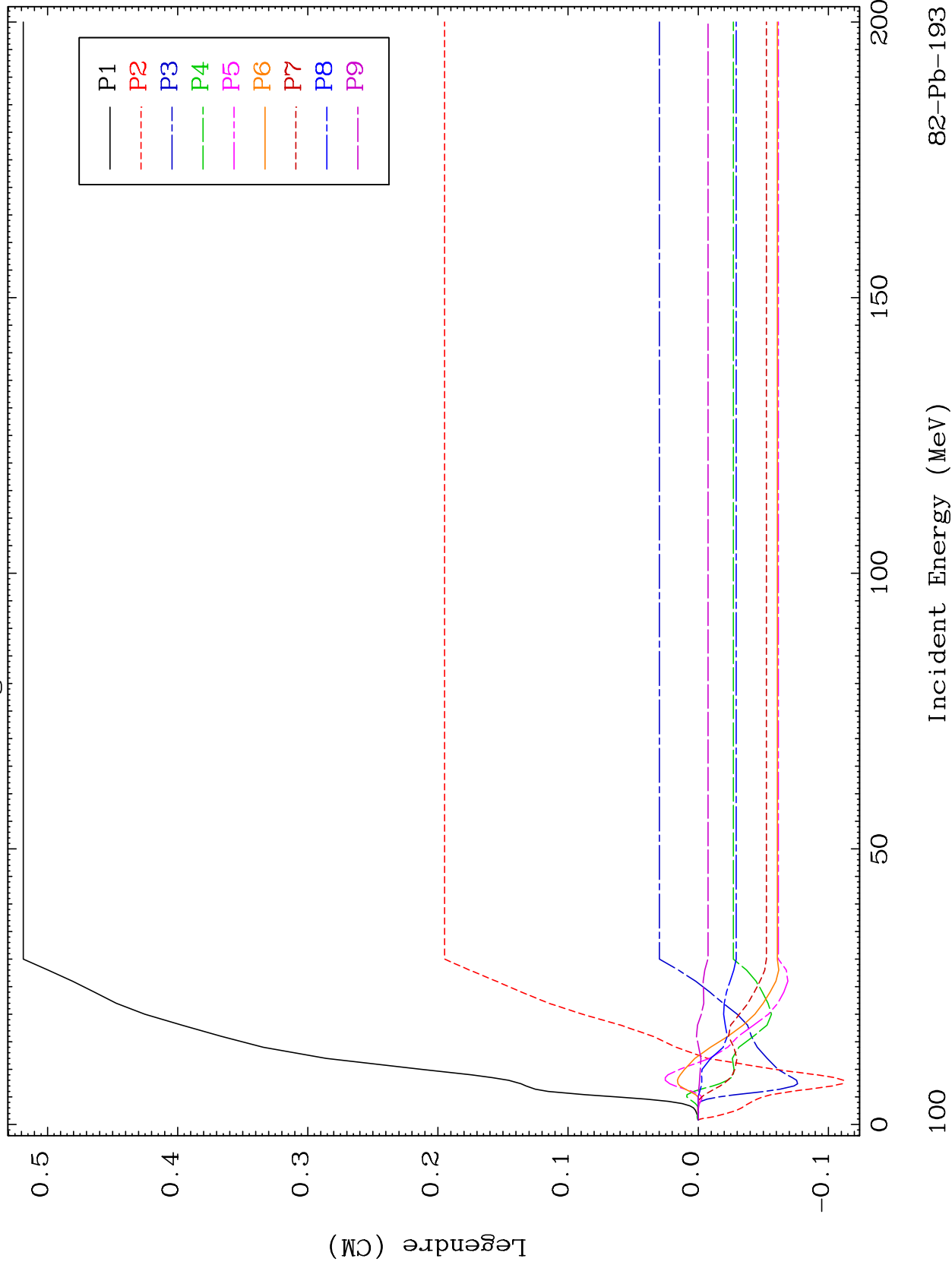




MAT 8192

792.1 keV (n,n') Level
Legendre Coefficients

82-Pb-193

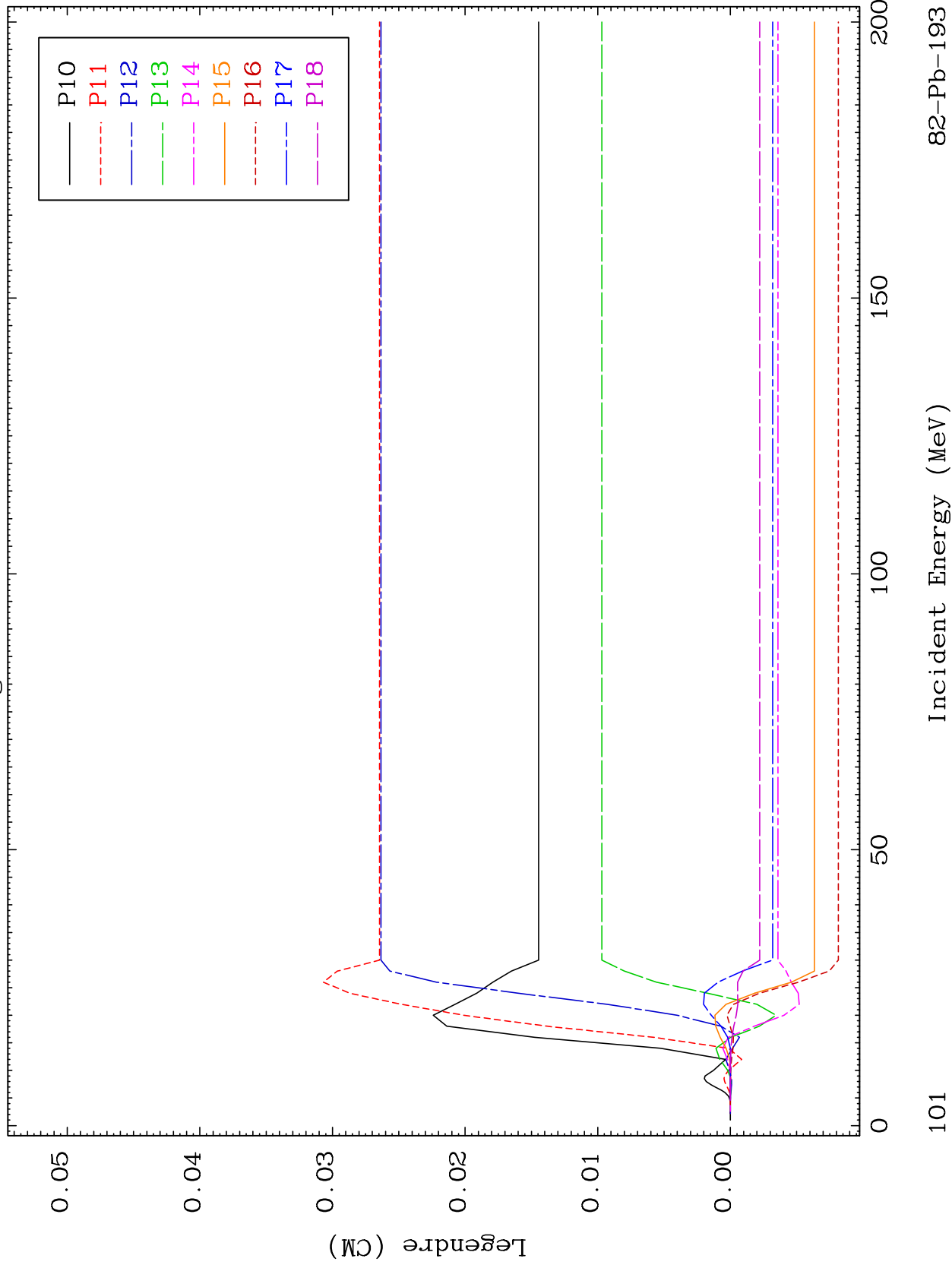


82-Pb-193

MAT 8192

792.1 keV (n,n') Level
Legendre Coefficients

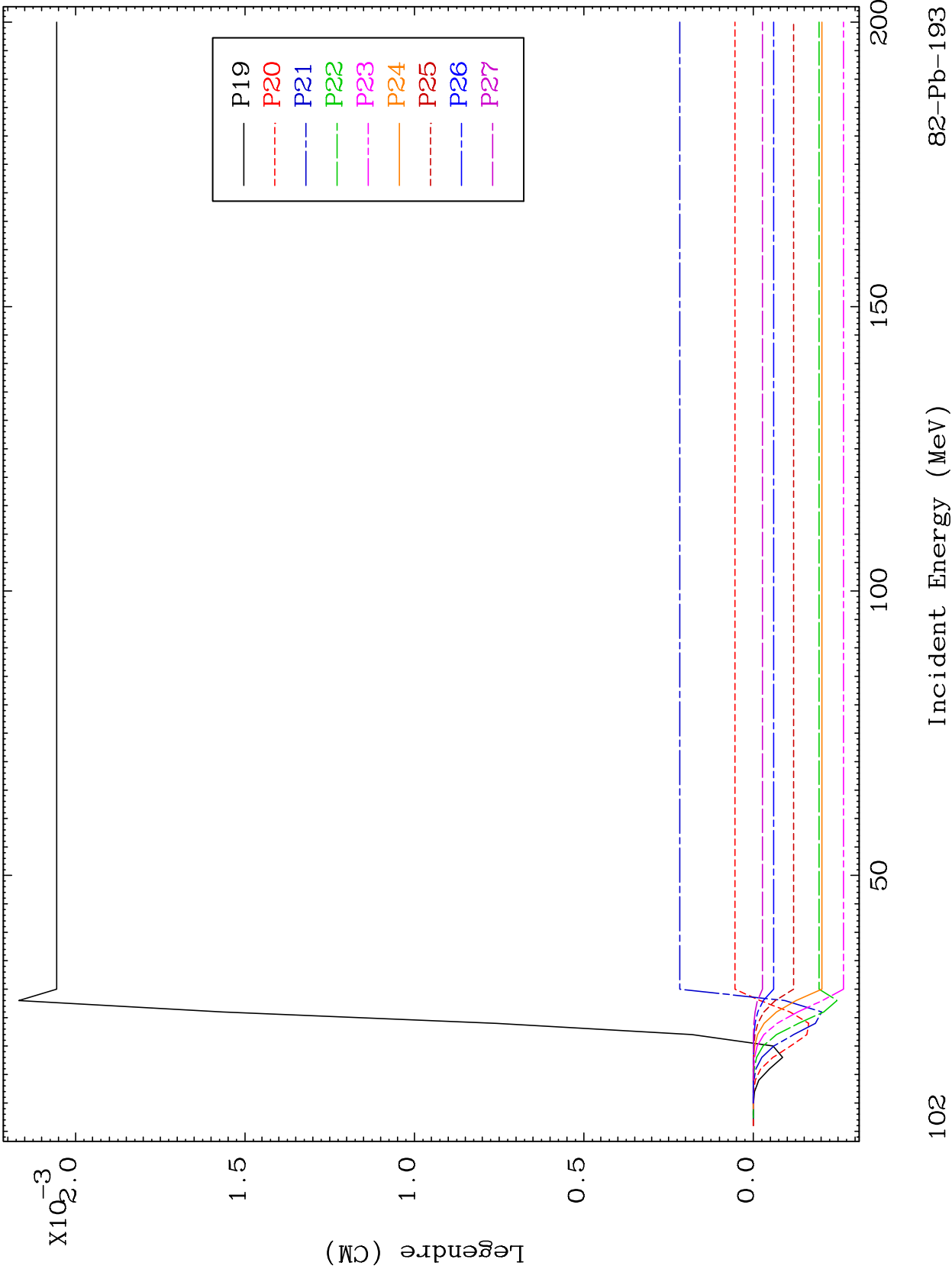
82-Pb-193

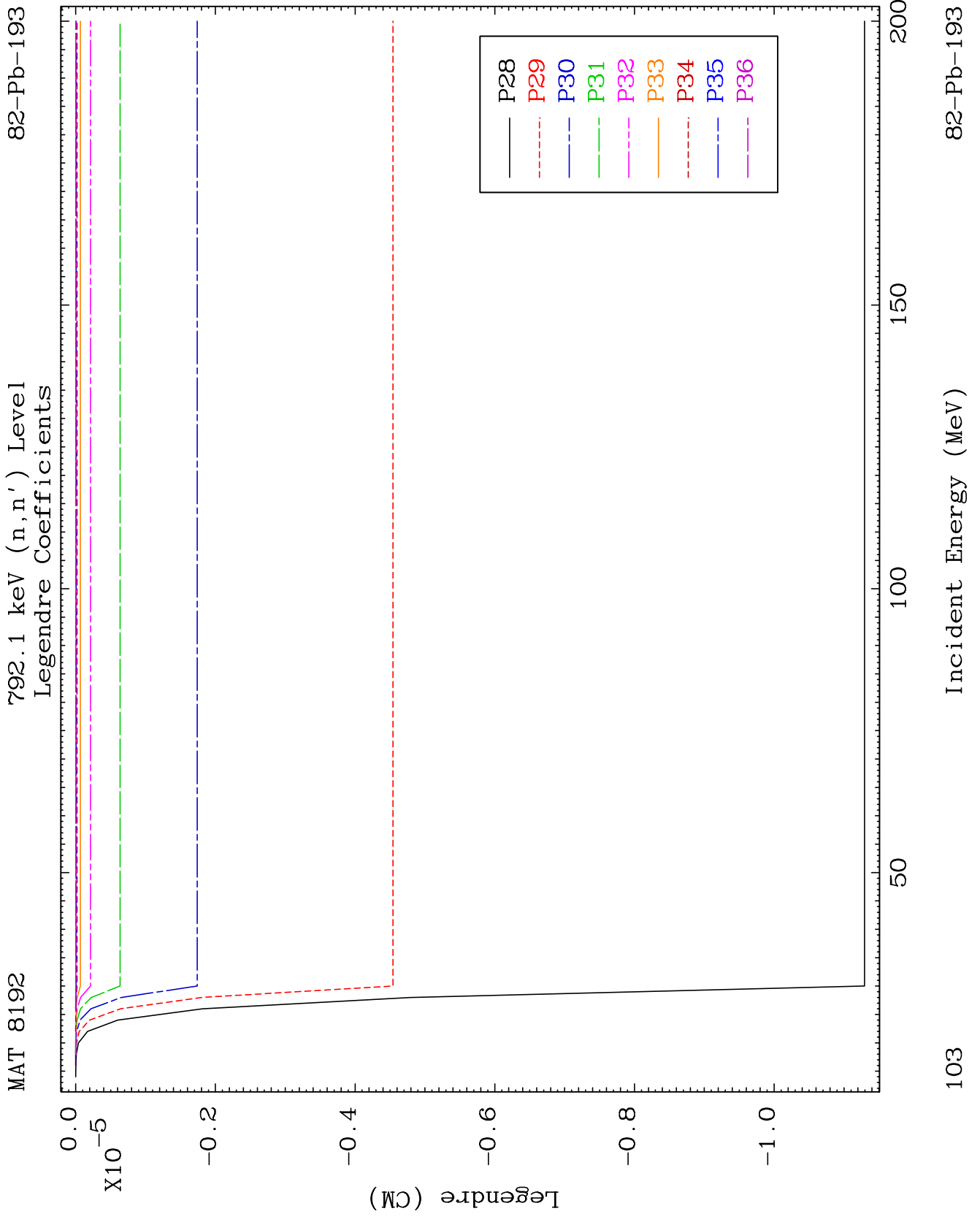


82-Pb-193

Incident Energy (MeV)

101

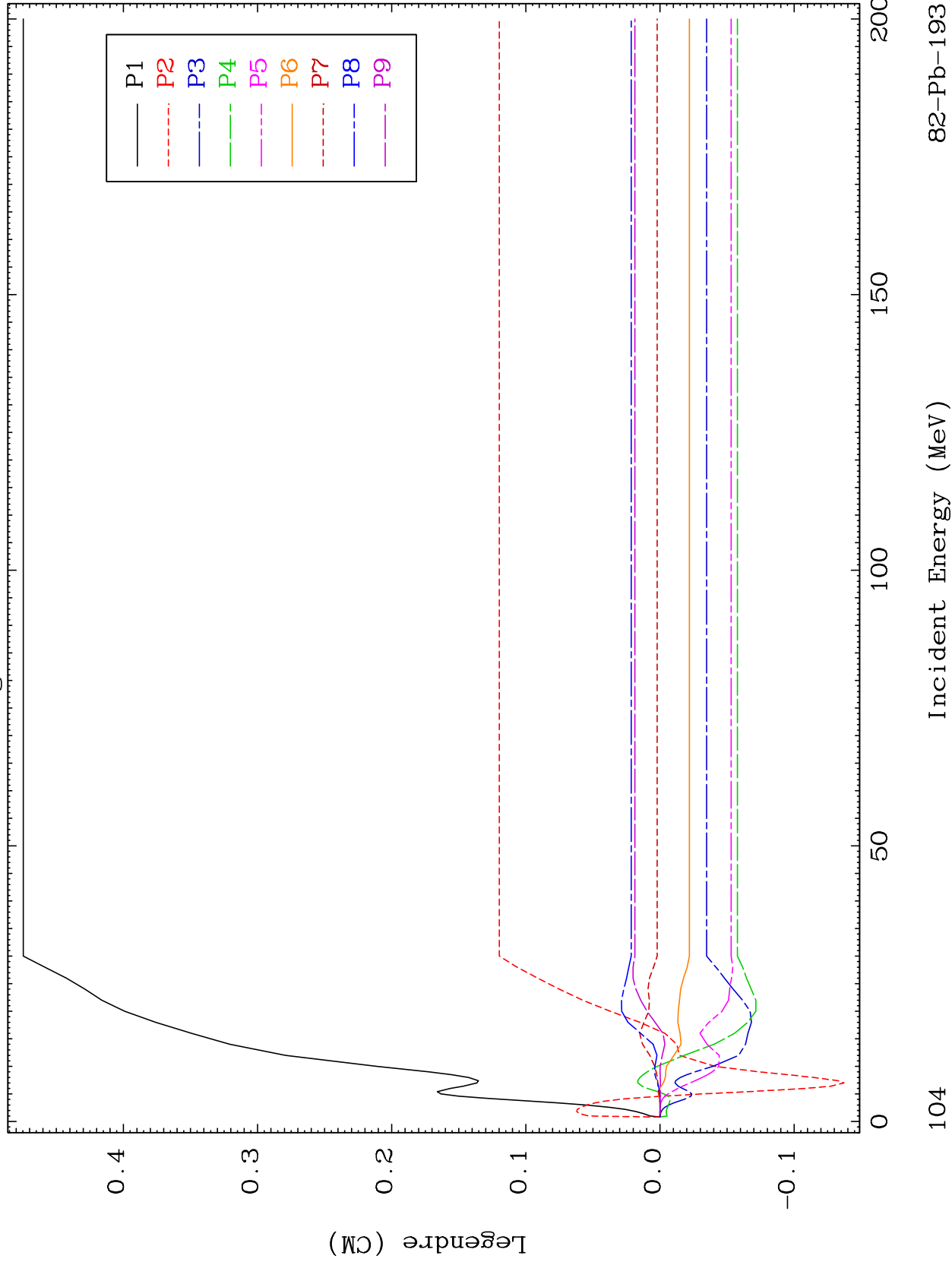




MAT 8192

801.0 keV (n,n') Level
Legendre Coefficients

82-Pb-193



82-Pb-193

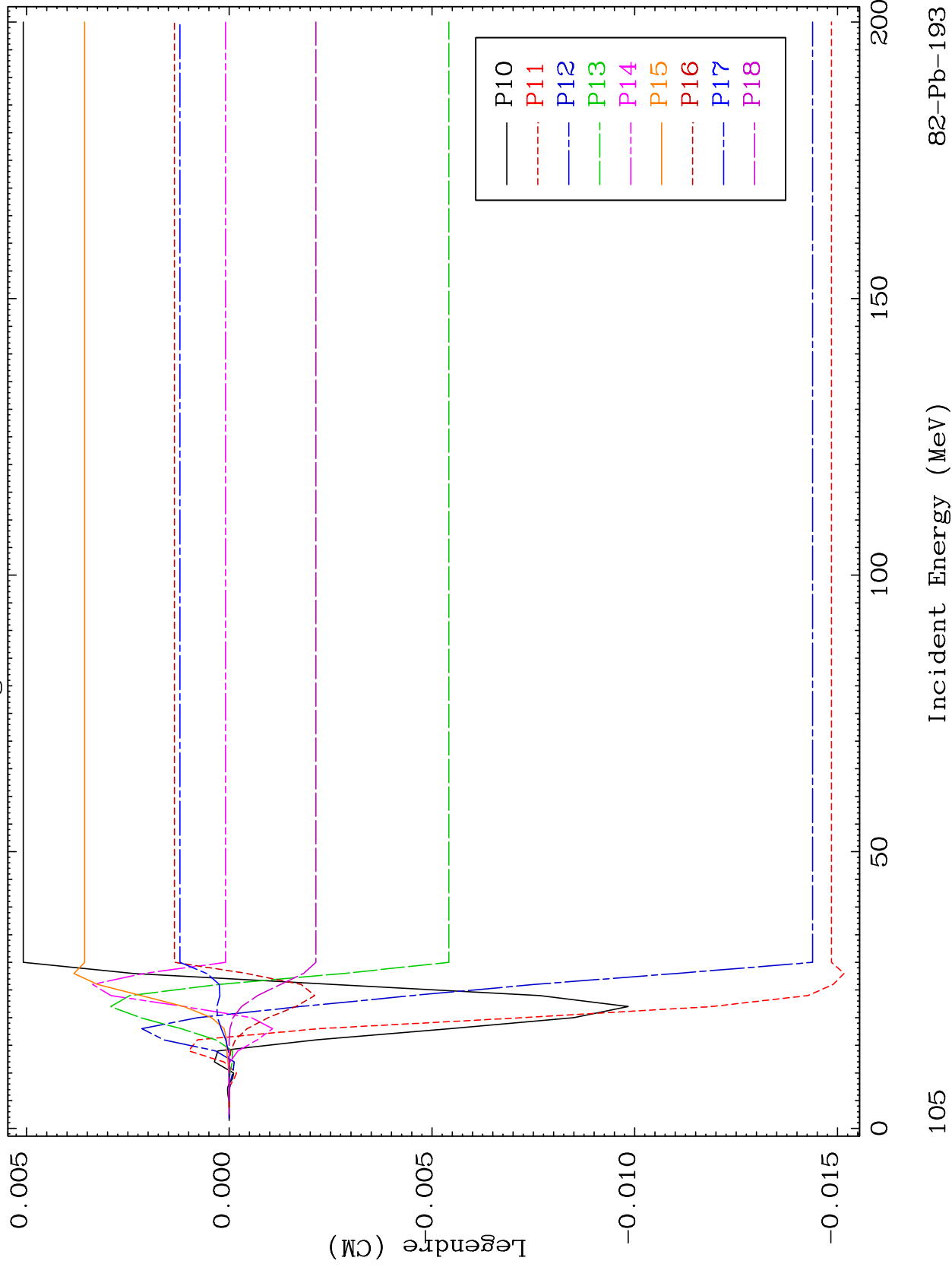
Incident Energy (MeV)

104

MAT 8192

801.0 keV (n,n') Level
Legendre Coefficients

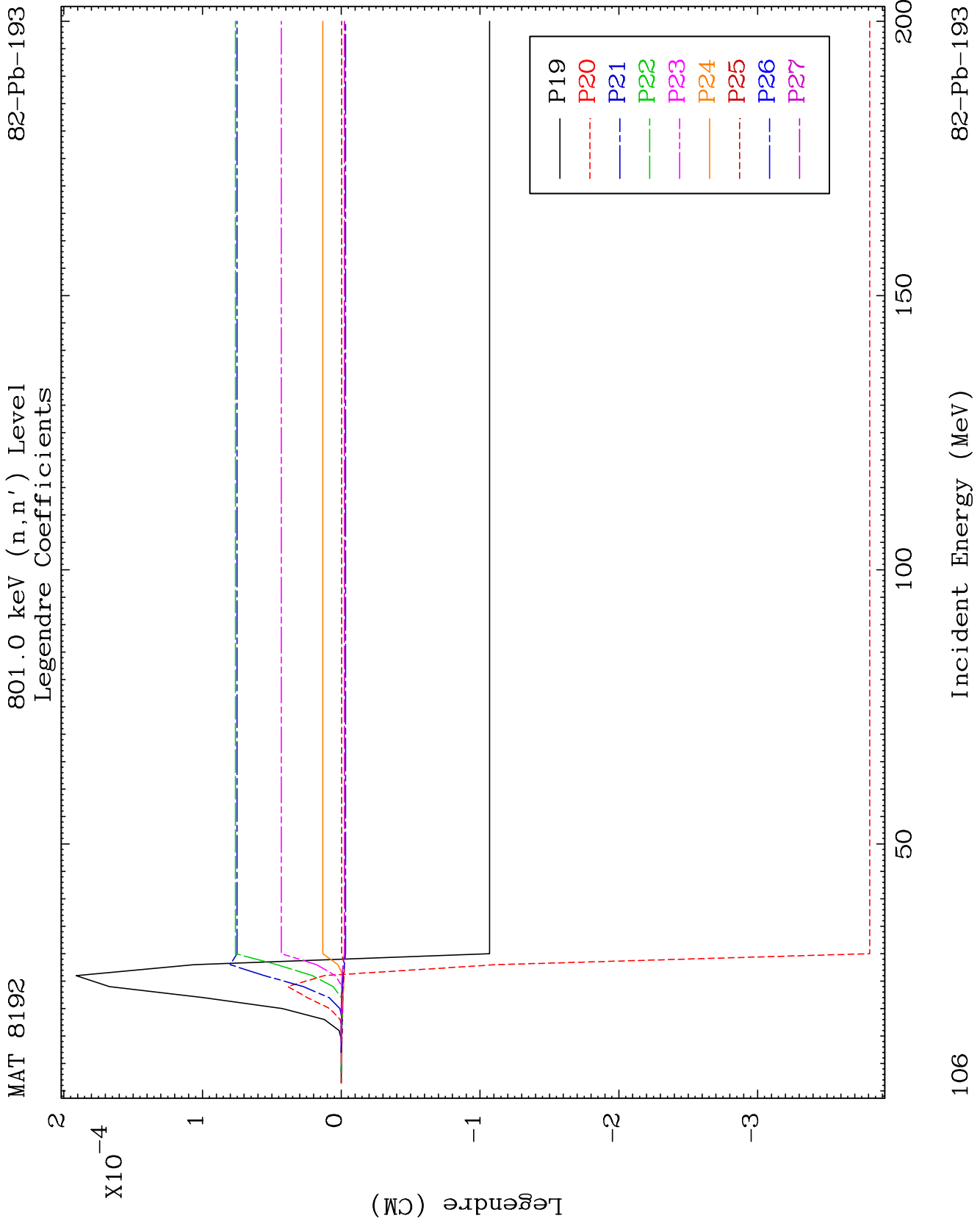
82-Pb-193

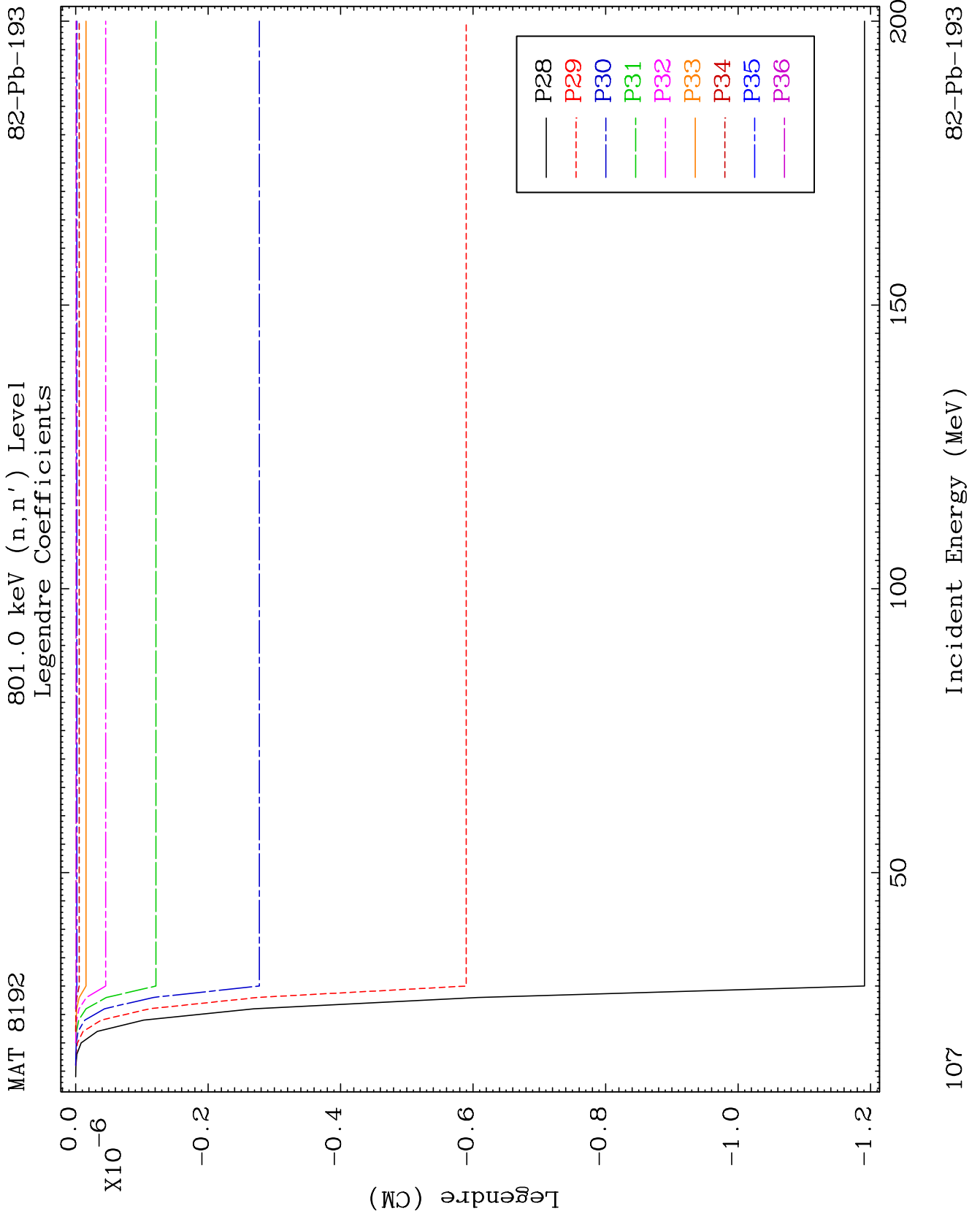


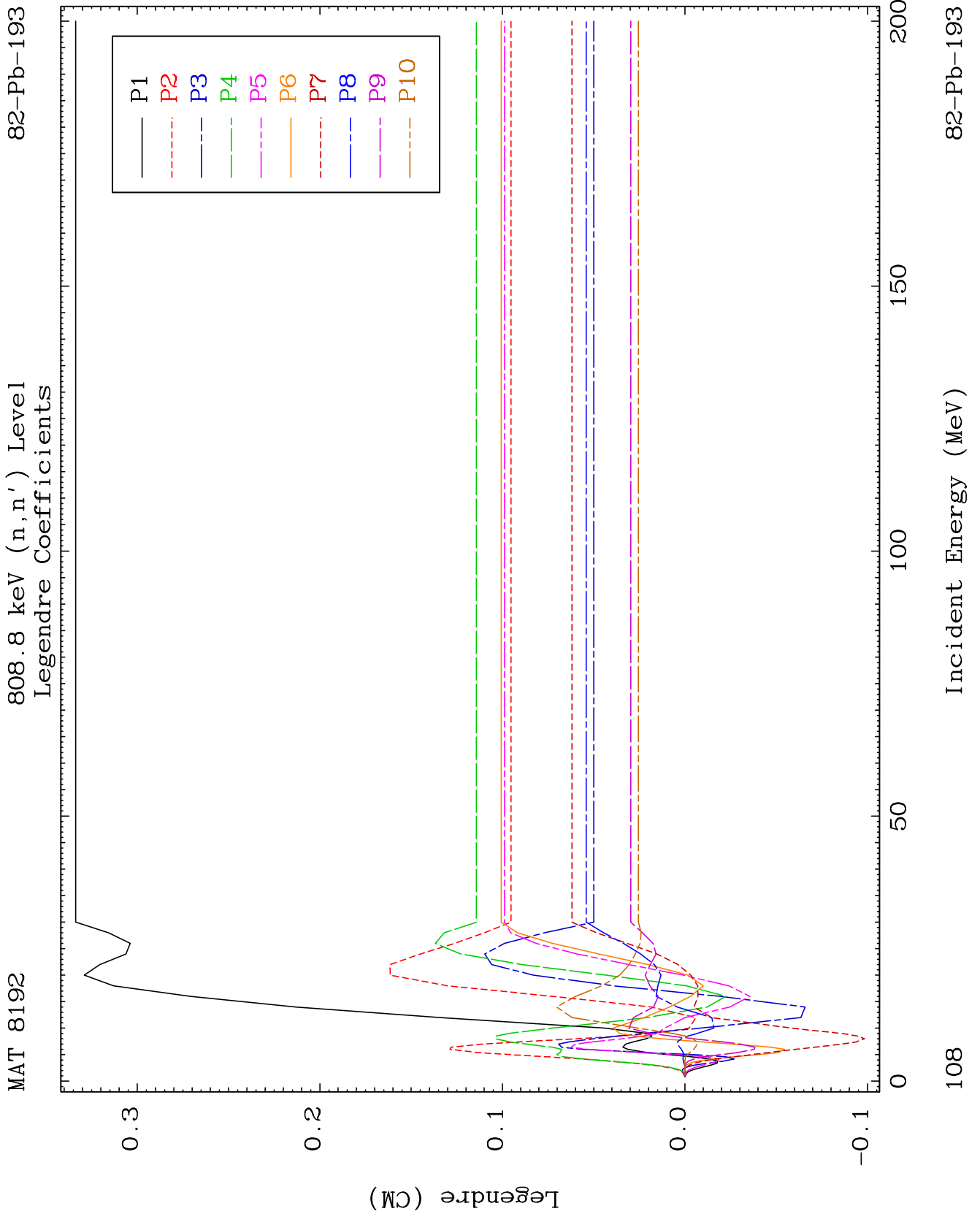
82-Pb-193

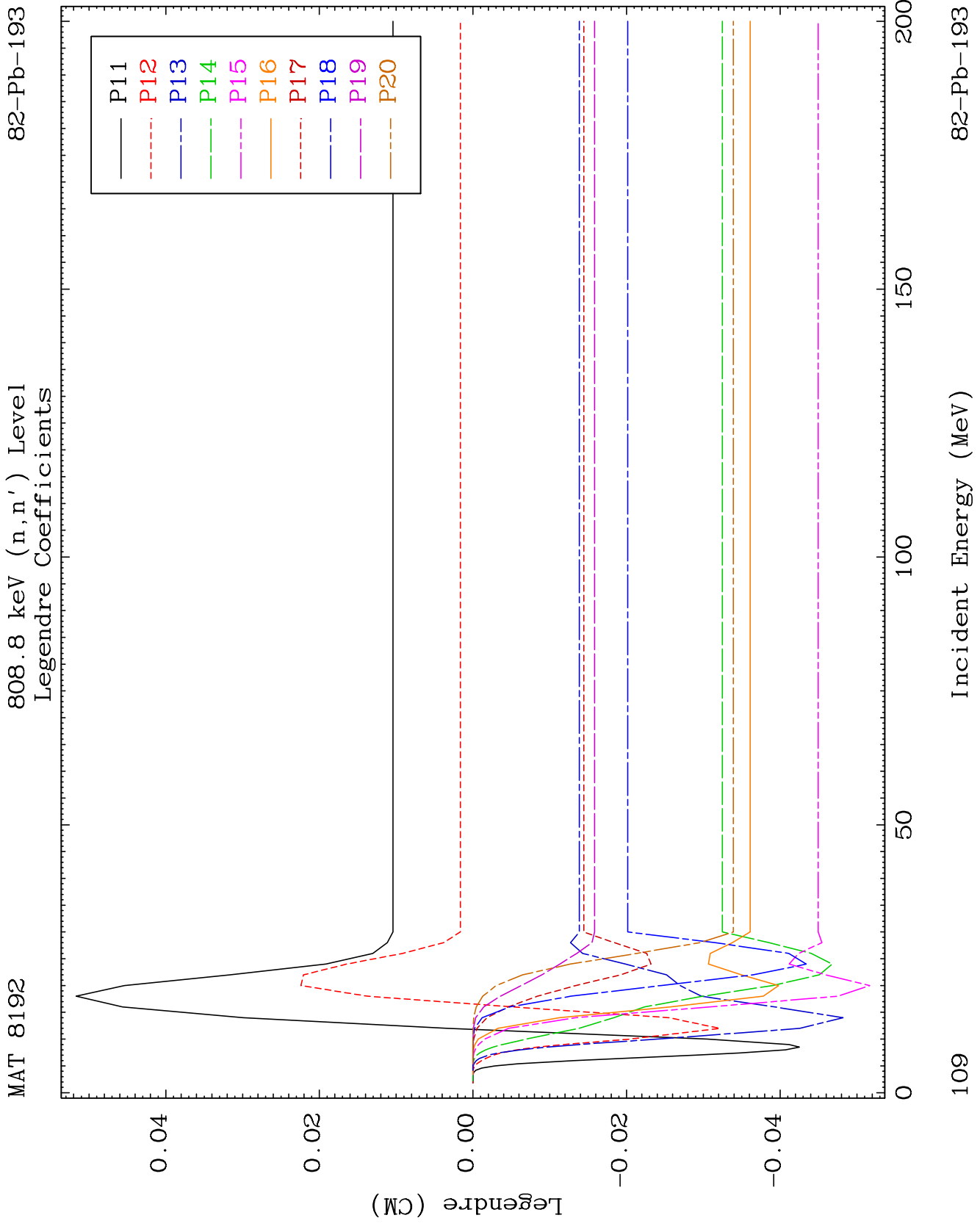
Incident Energy (MeV)

105





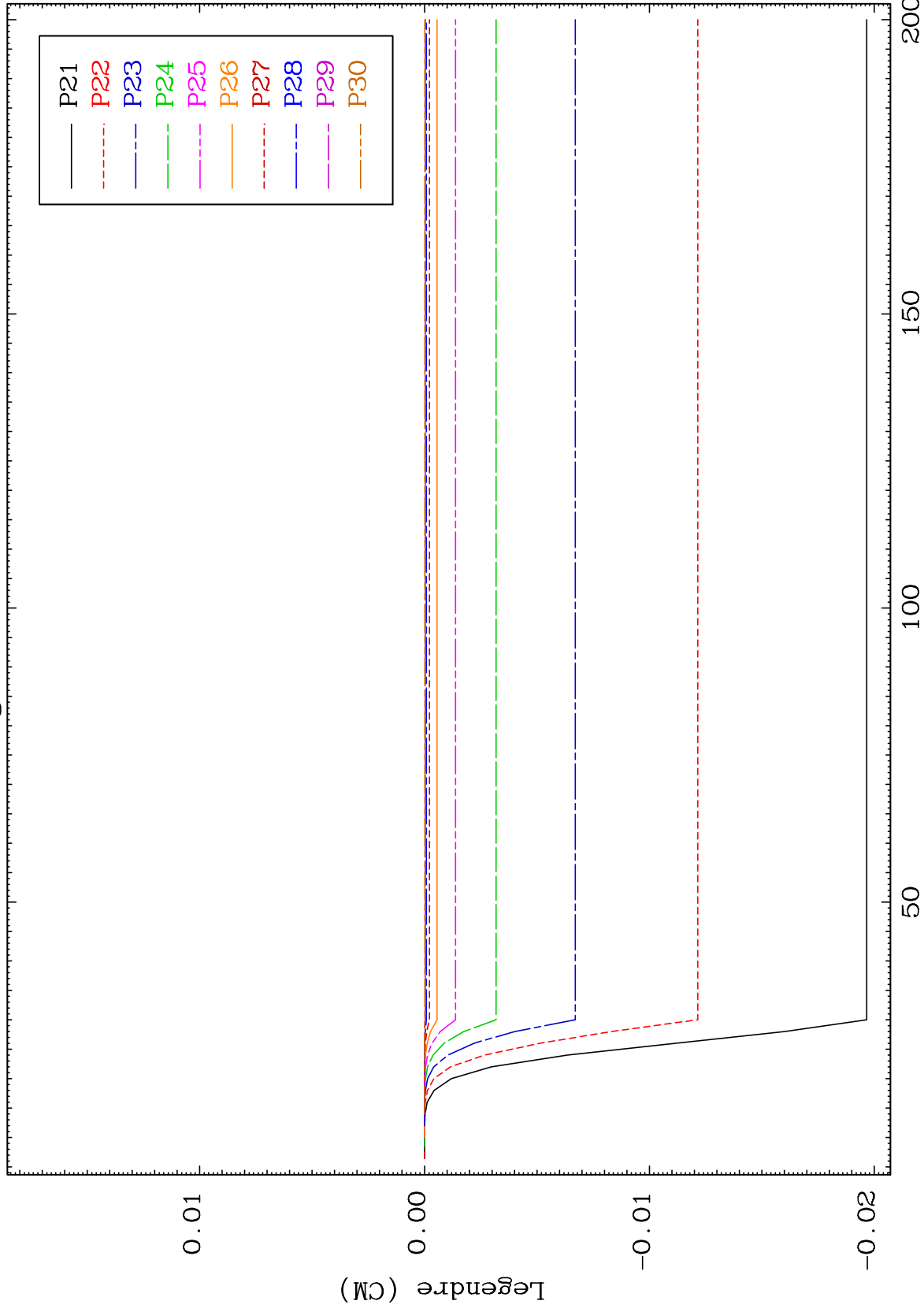




MAT 8192

808.8 keV (n,n') Level
Legendre Coefficients

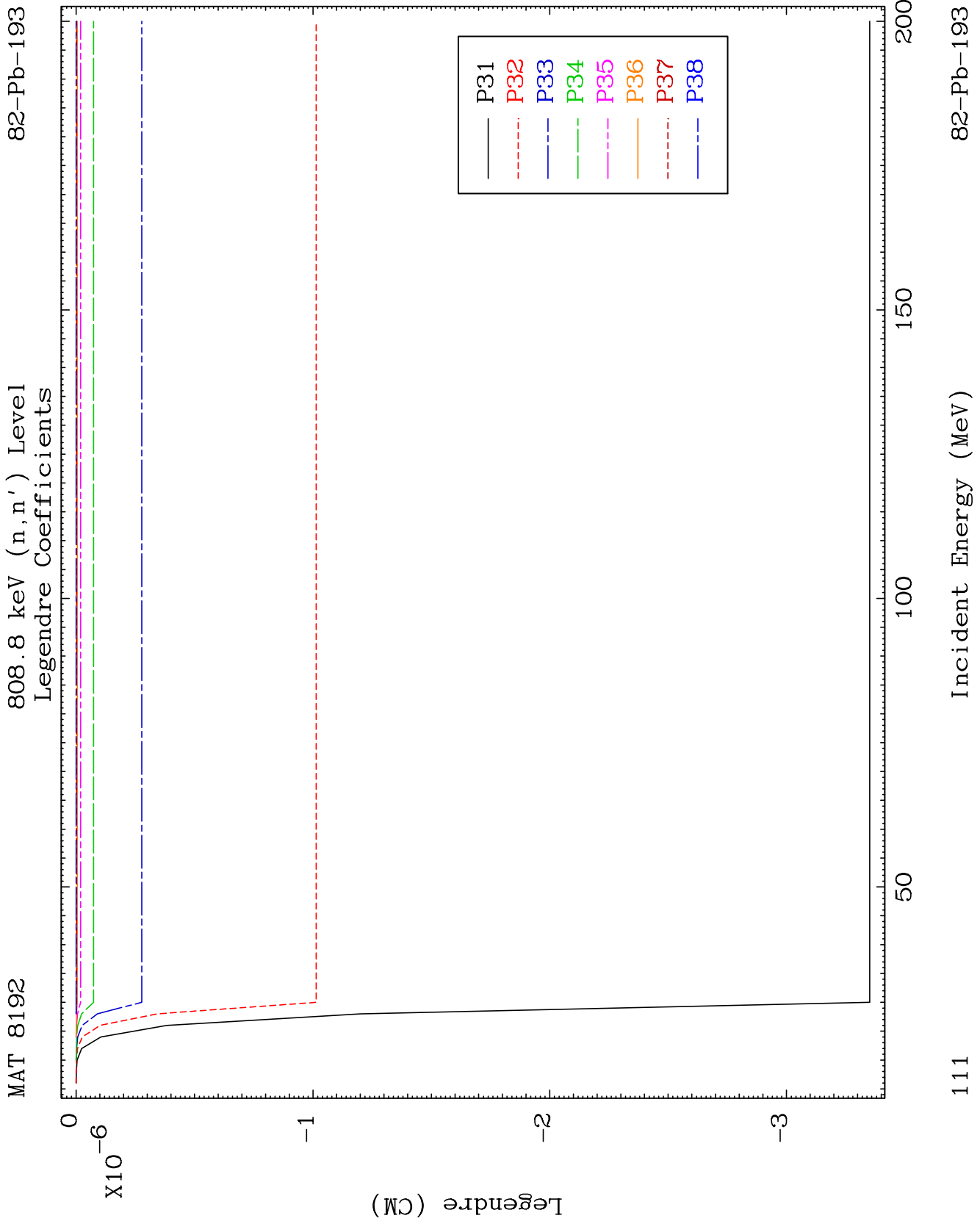
82-Pb-193

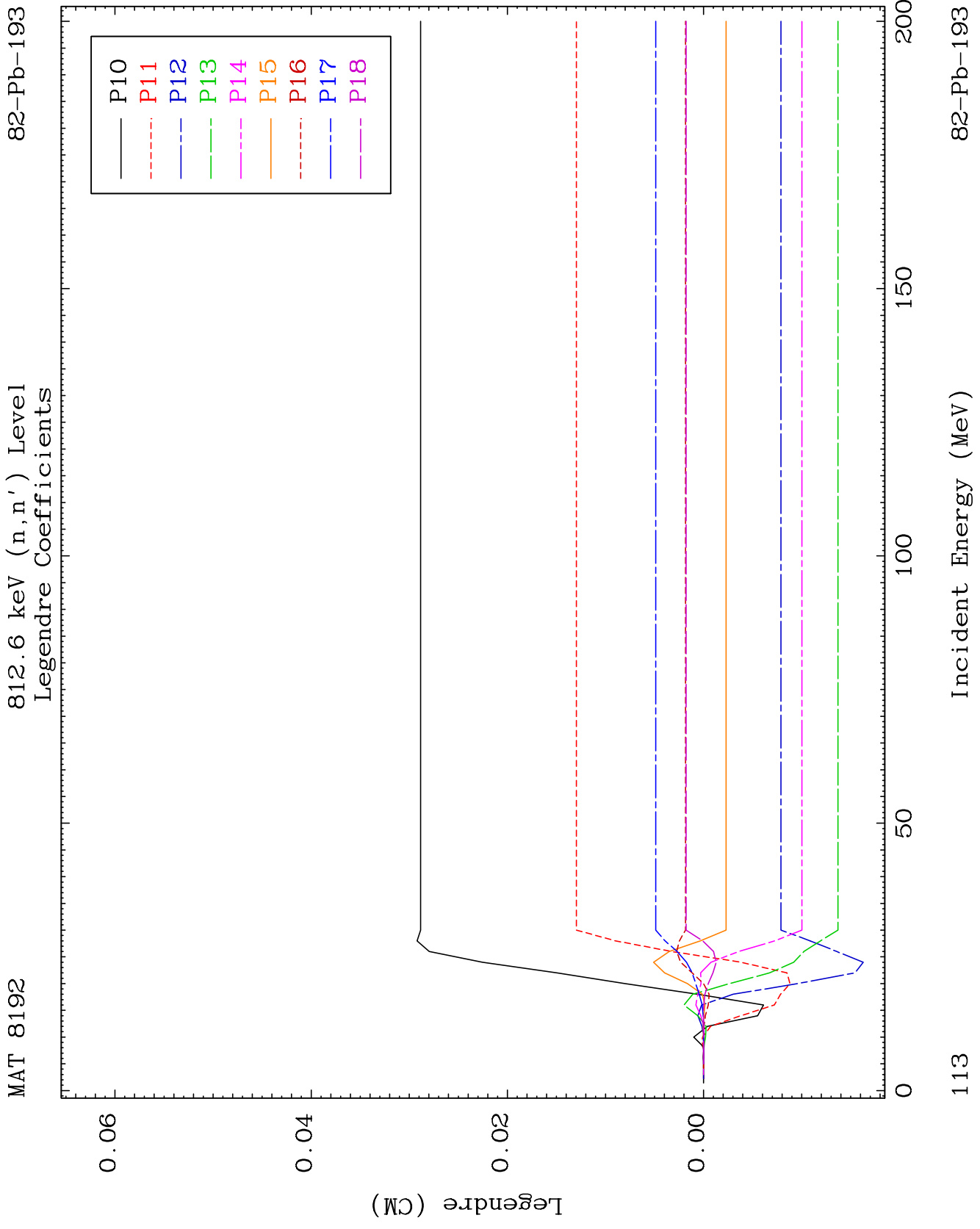


110

Incident Energy (MeV)

82-Pb-193

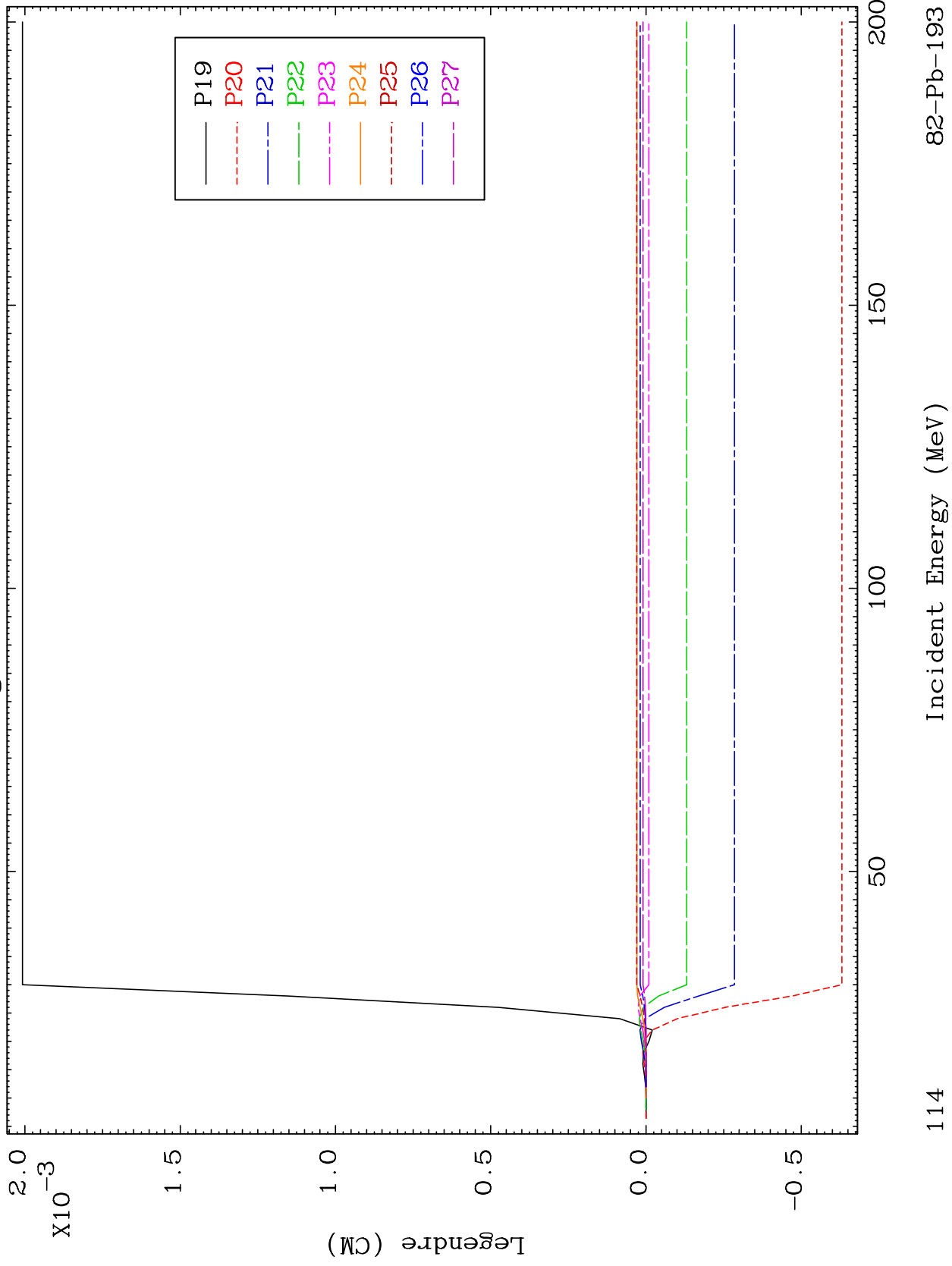




MAT 8192

812.6 keV (n,n') Level
Legendre Coefficients

82-Pb-193



114

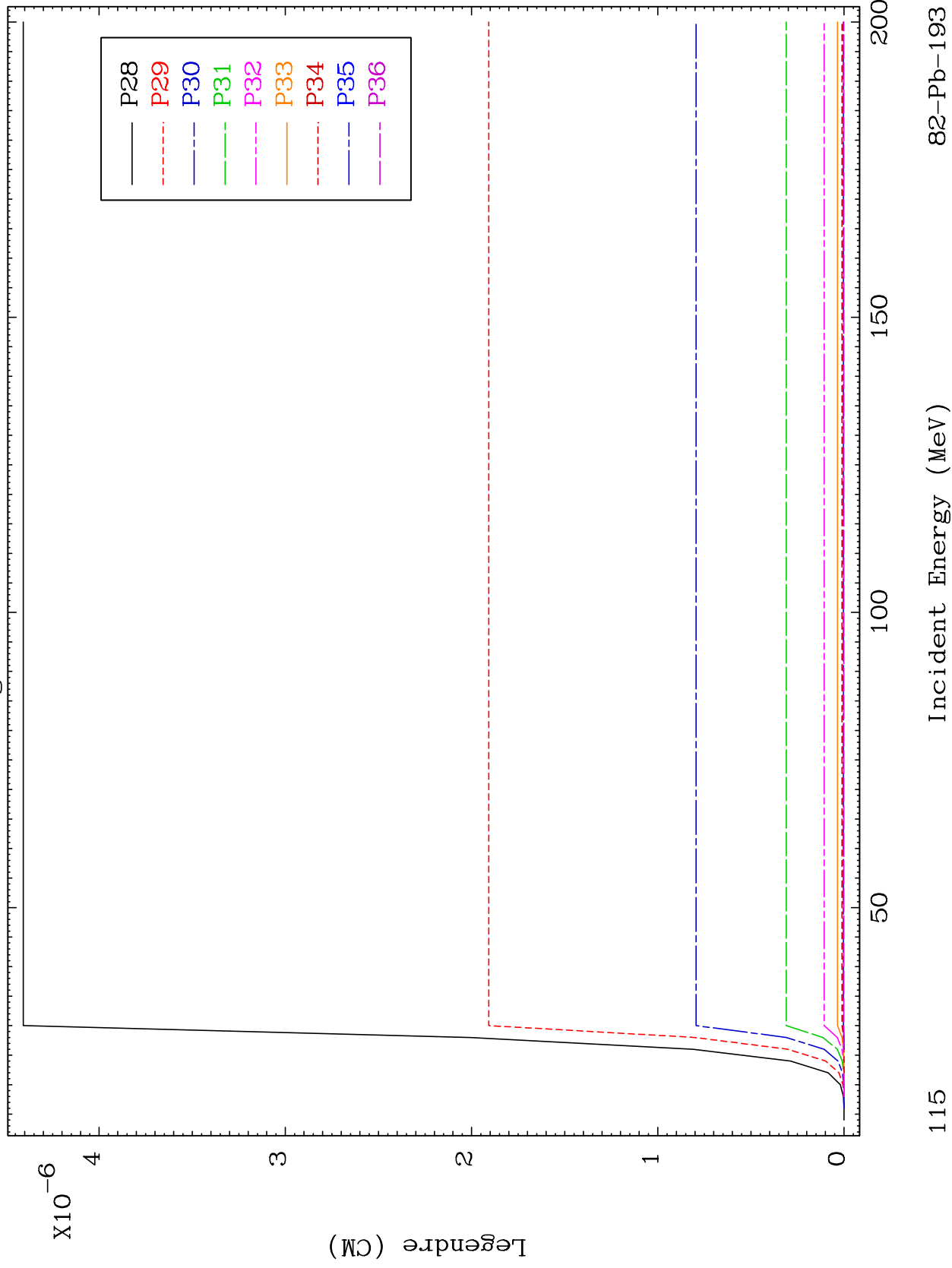
Incident Energy (MeV)

82-Pb-193

MAT 8192

812.6 keV (n,n') Level
Legendre Coefficients

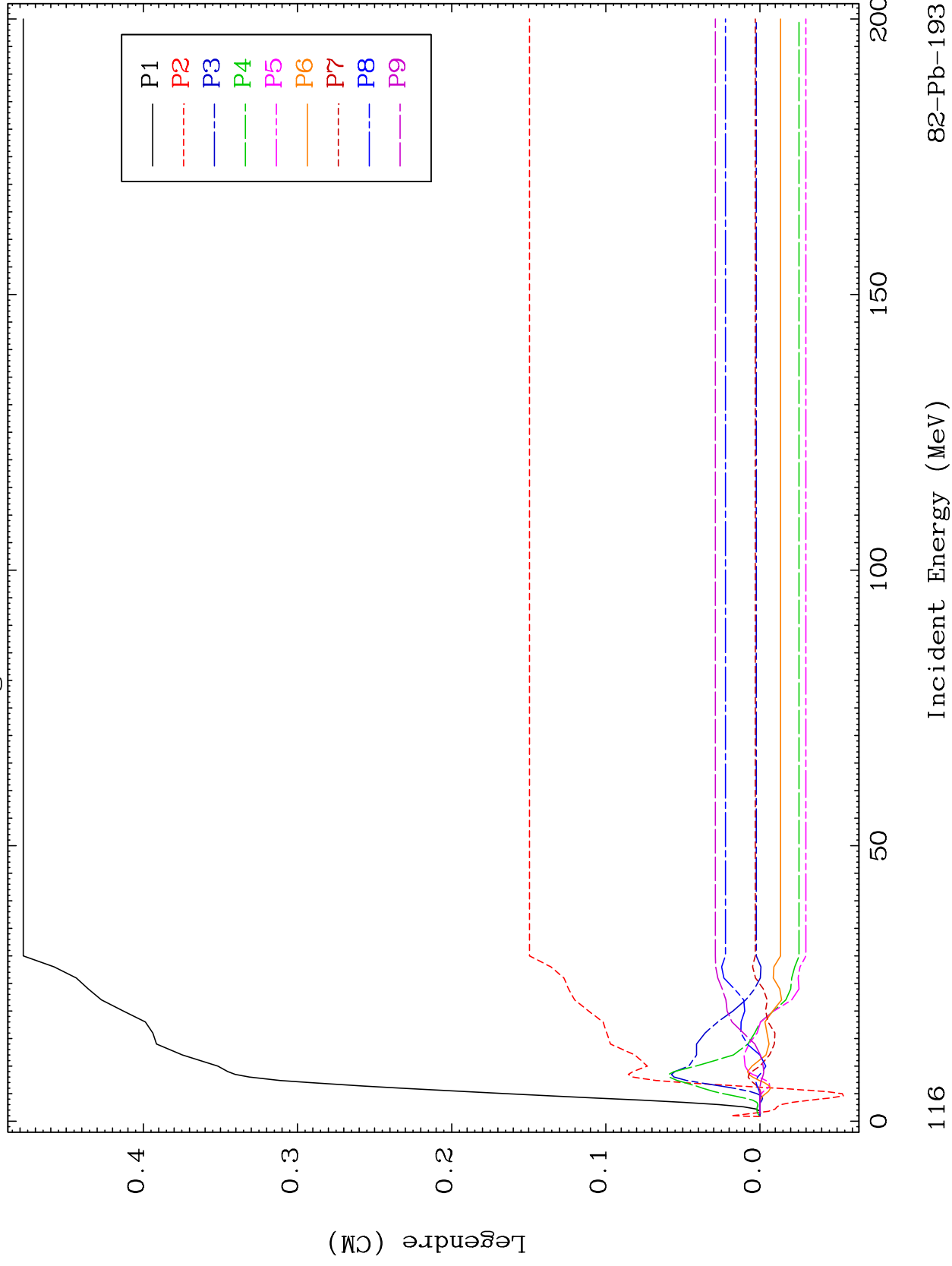
82-Pb-193



MAT 8192

822.9 keV (n,n') Level
Legendre Coefficients

82-Pb-193



82-Pb-193

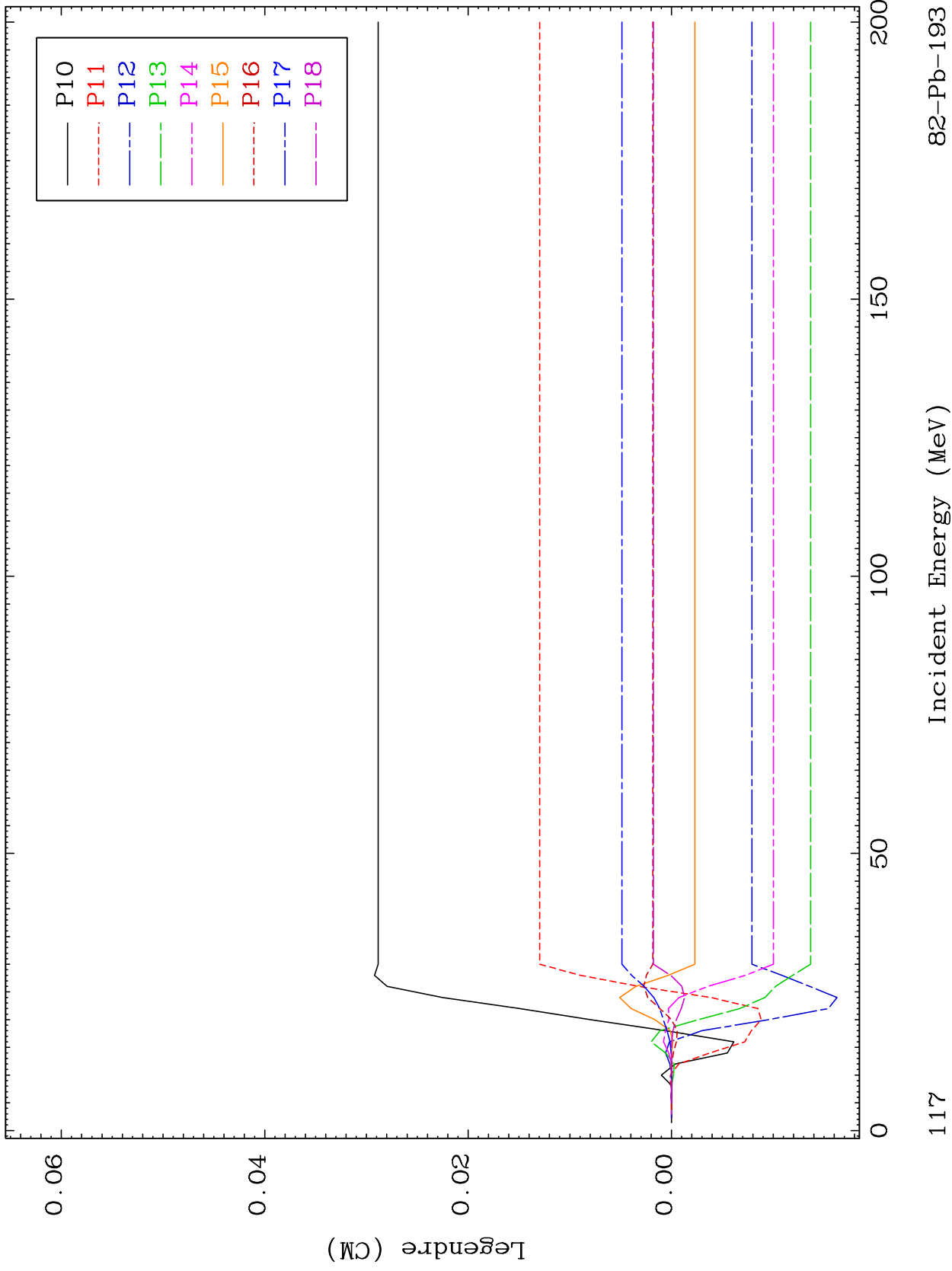
Incident Energy (MeV)

116

MAT 8192

822.9 keV (n,n') Level
Legendre Coefficients

82-Pb-193



117

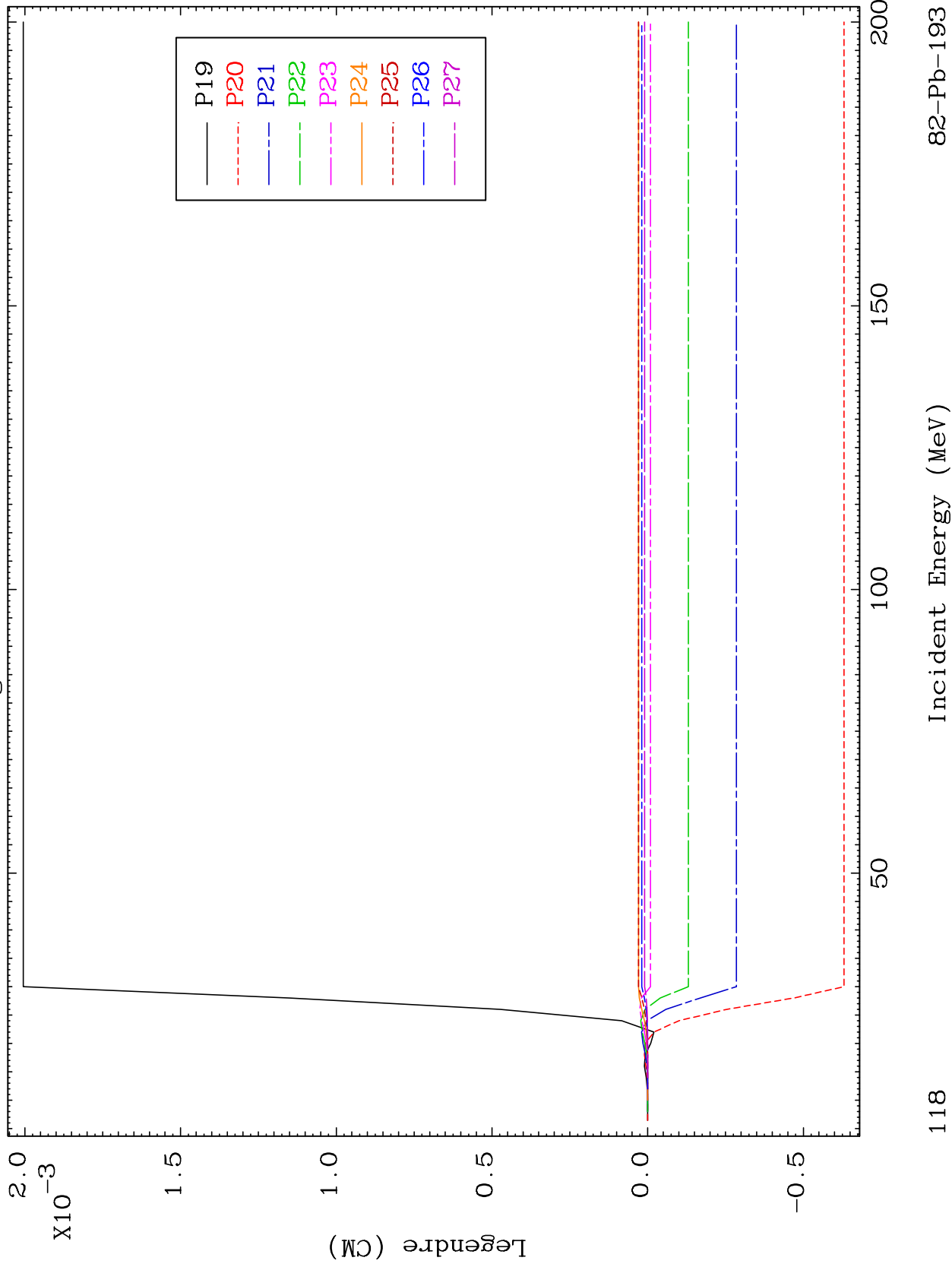
Incident Energy (MeV)

82-Pb-193

MAT 8192

822.9 keV (n,n') Level
Legendre Coefficients

82-Pb-193



118

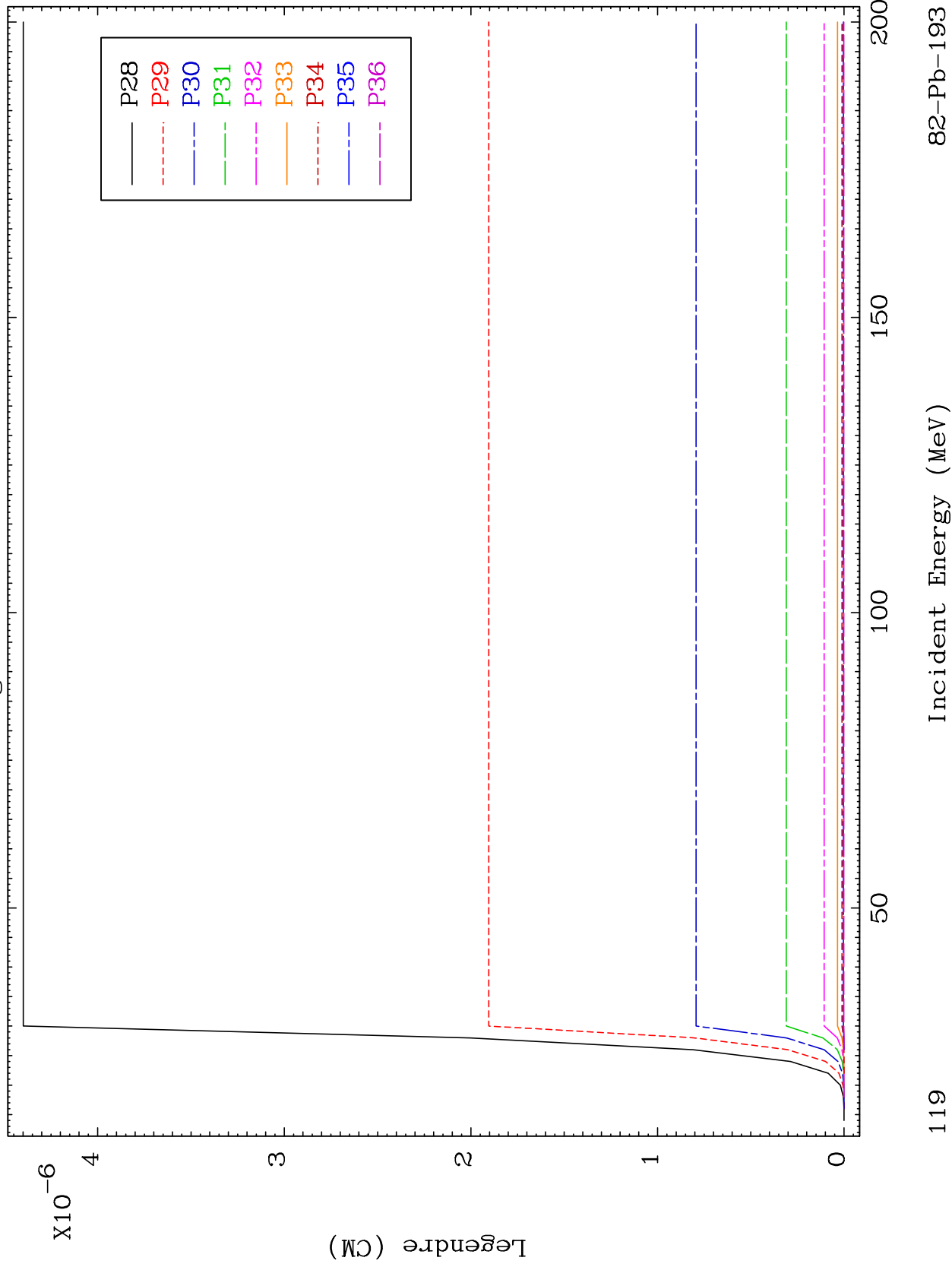
Incident Energy (MeV)

82-Pb-193

MAT 8192

822.9 keV (n,n') Level
Legendre Coefficients

82-Pb-193



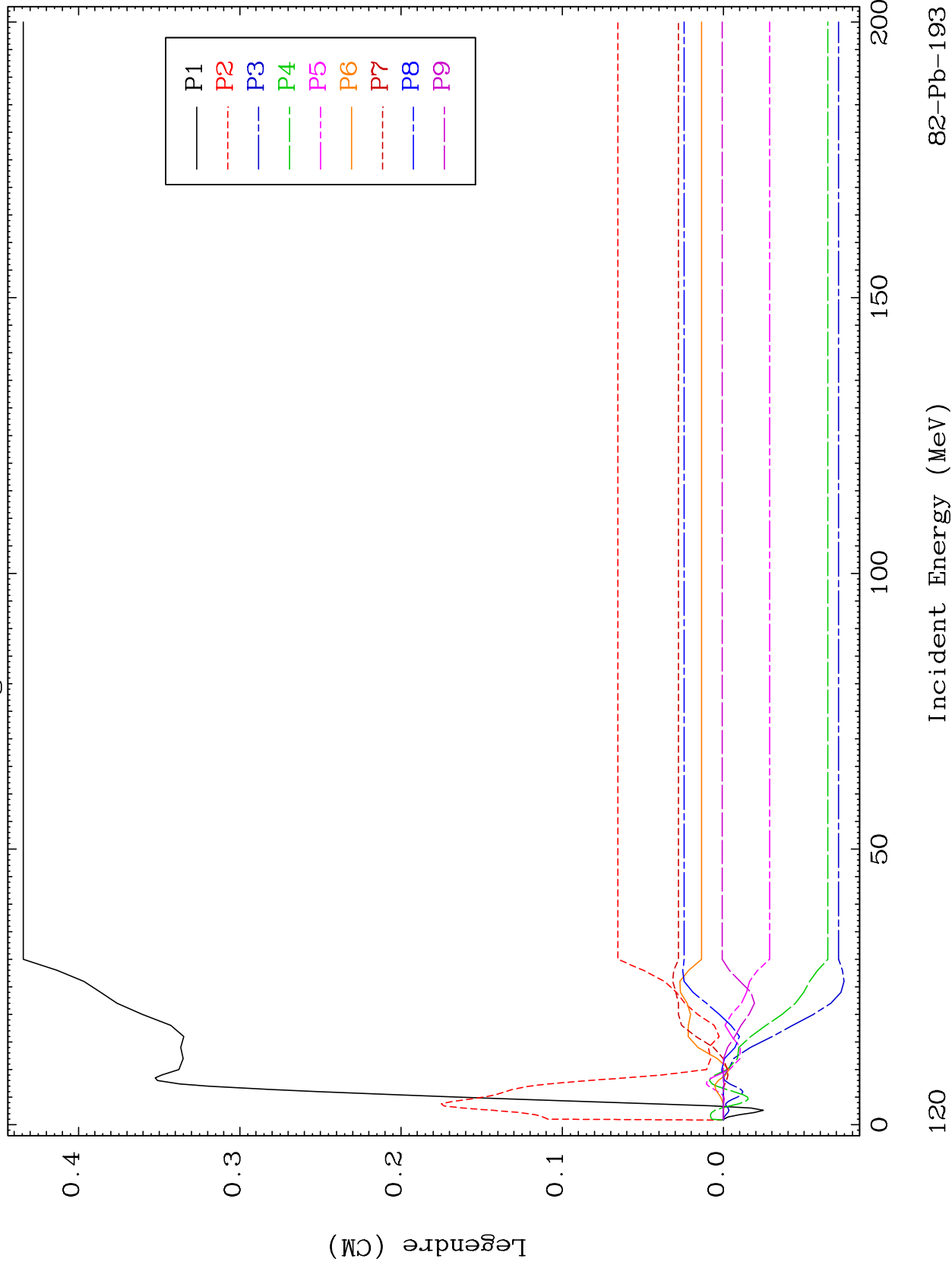
119

82-Pb-193

MAT 8192

827.2 keV (n,n') Level
Legendre Coefficients

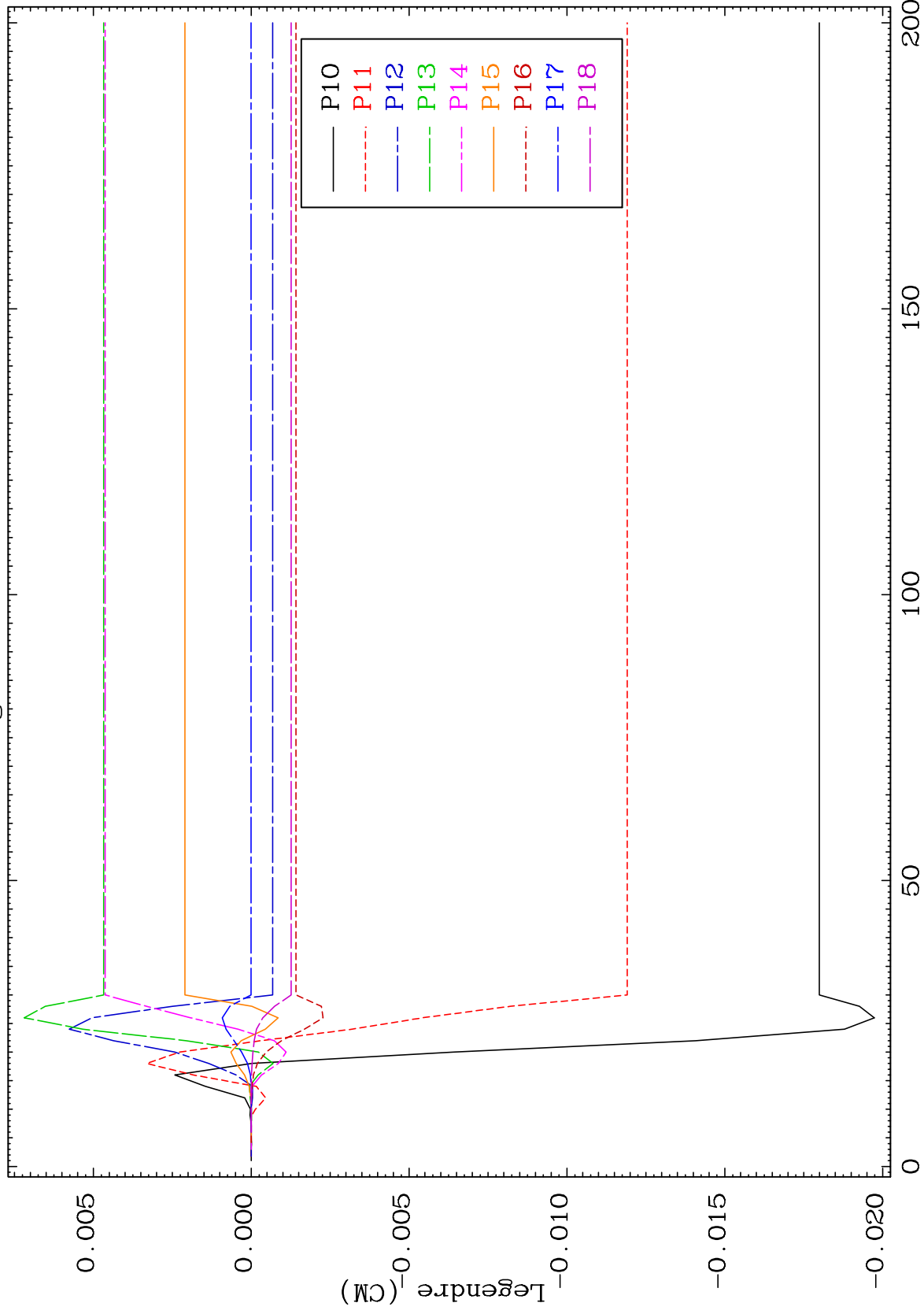
82-Pb-193



MAT 8192

827.2 keV (n,n') Level
Legendre Coefficients

82-Pb-193



121

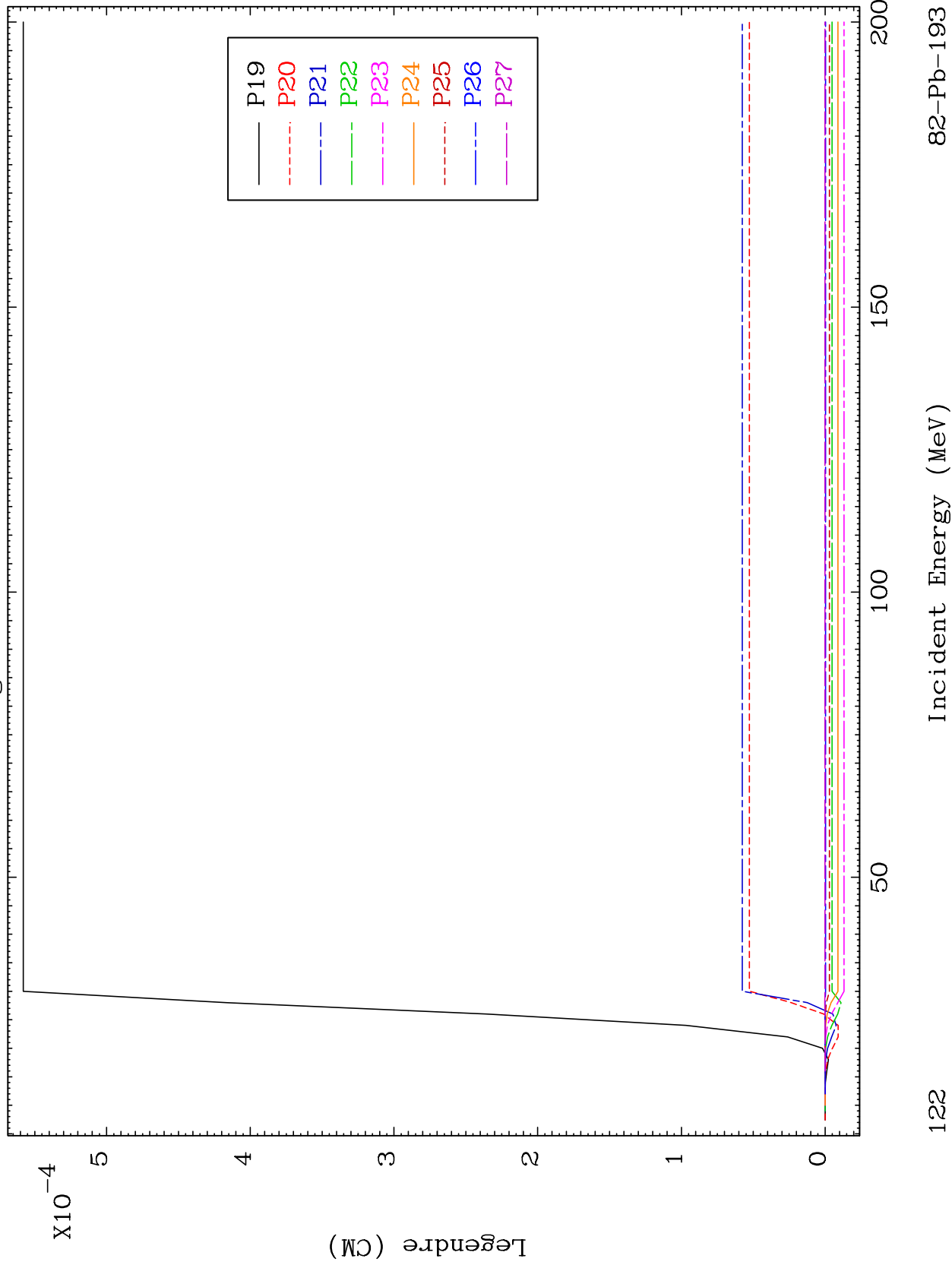
Incident Energy (MeV)

82-Pb-193

MAT 8192

827.2 keV (n,n') Level
Legendre Coefficients

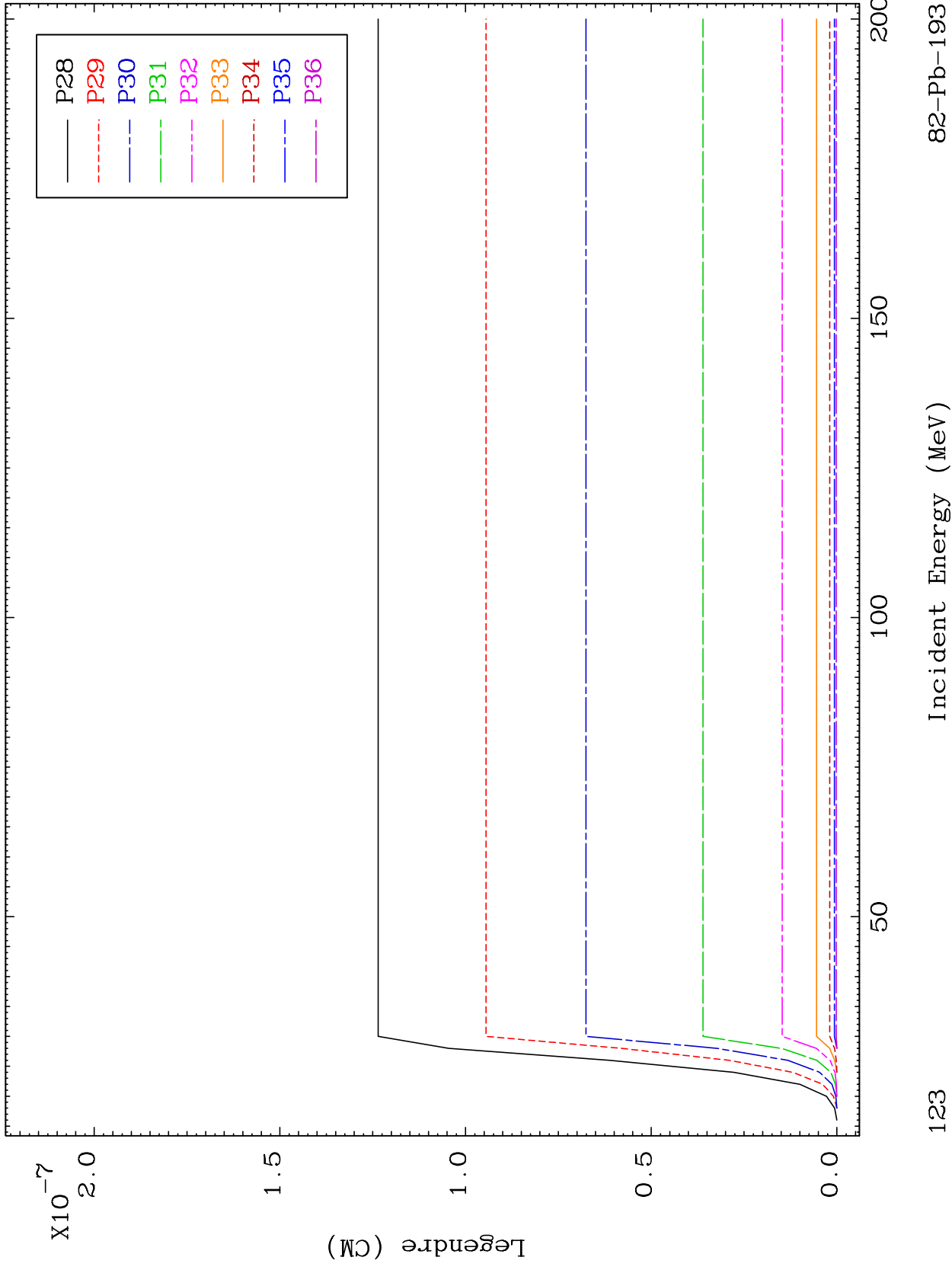
82-Pb-193



MAT 8192

827.2 keV (n,n') Level
Legendre Coefficients

82-Pb-193



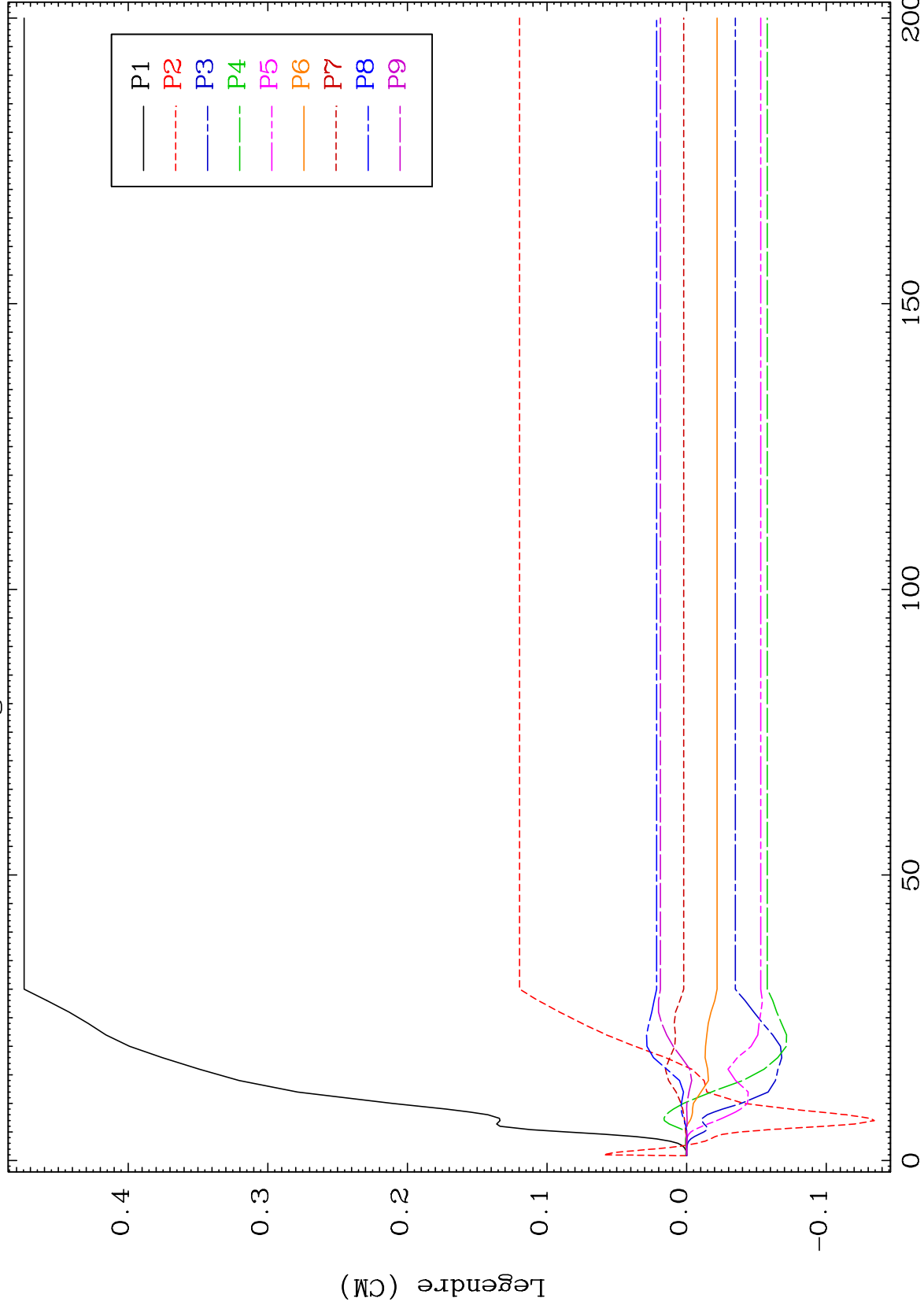
123

82-Pb-193

MAT 8192

832.9 keV (n,n') Level
Legendre Coefficients

82-Pb-193



82-Pb-193

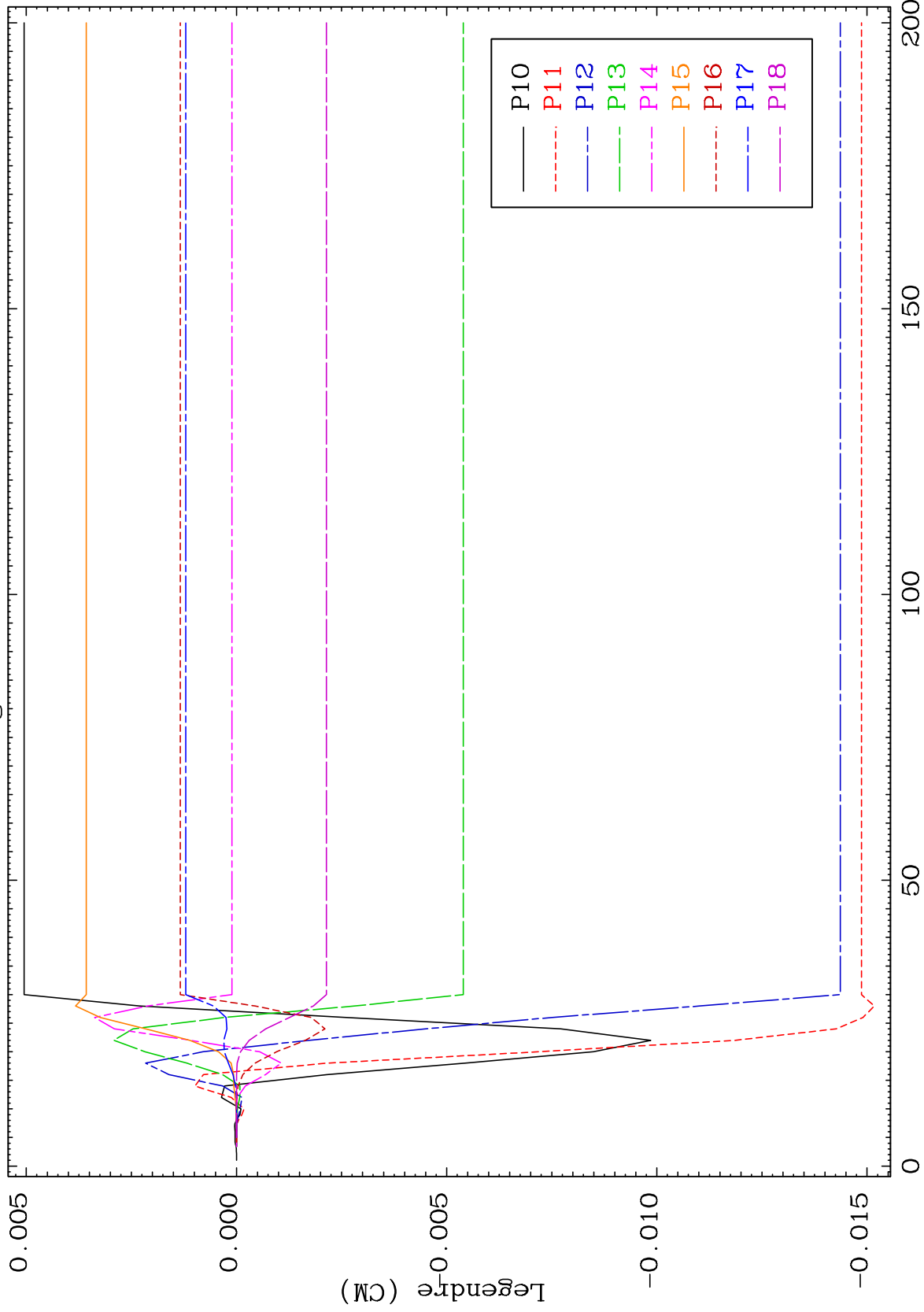
Incident Energy (MeV)

124

MAT 8192

832.9 keV (n,n') Level
Legendre Coefficients

82-Pb-193



125

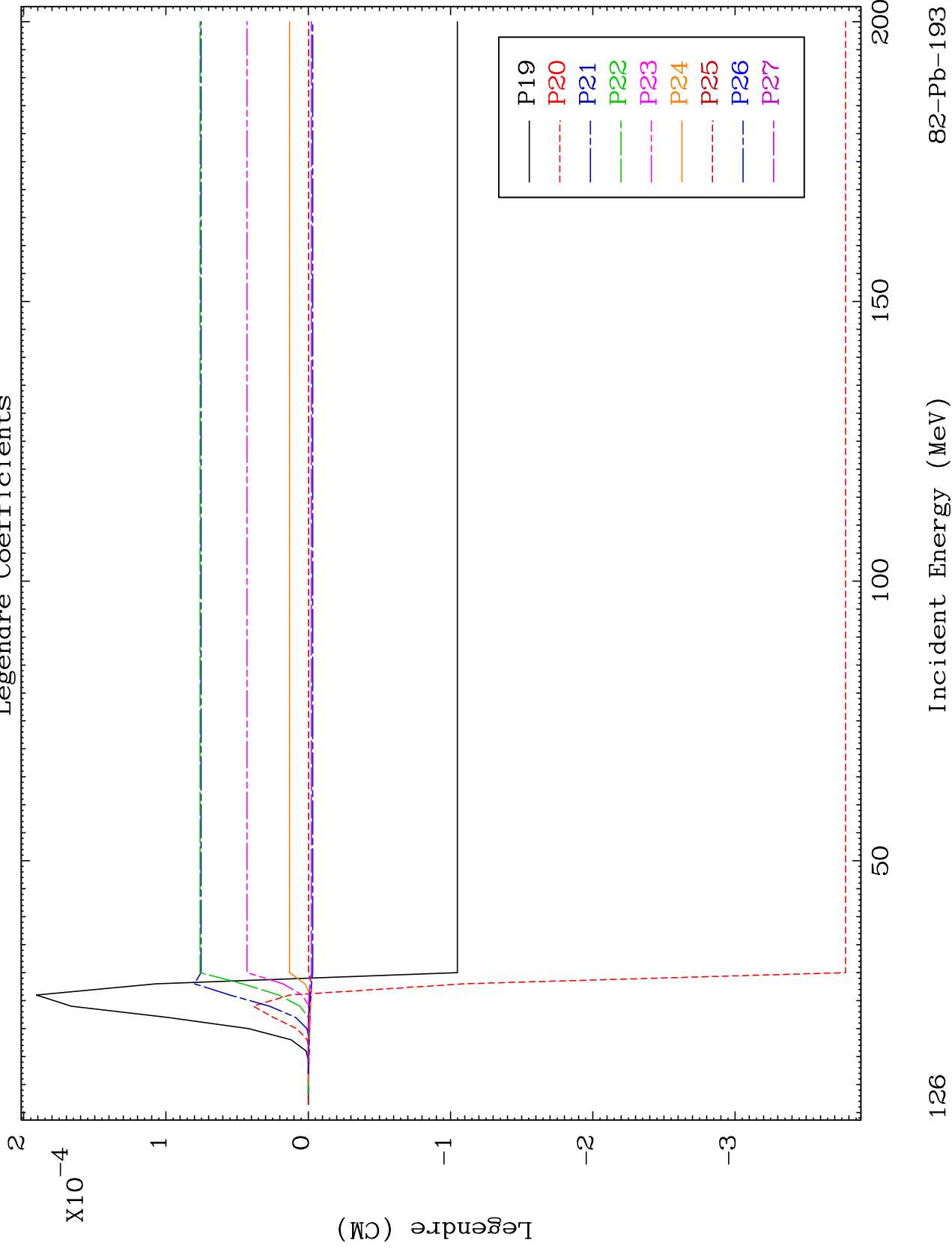
Incident Energy (MeV)

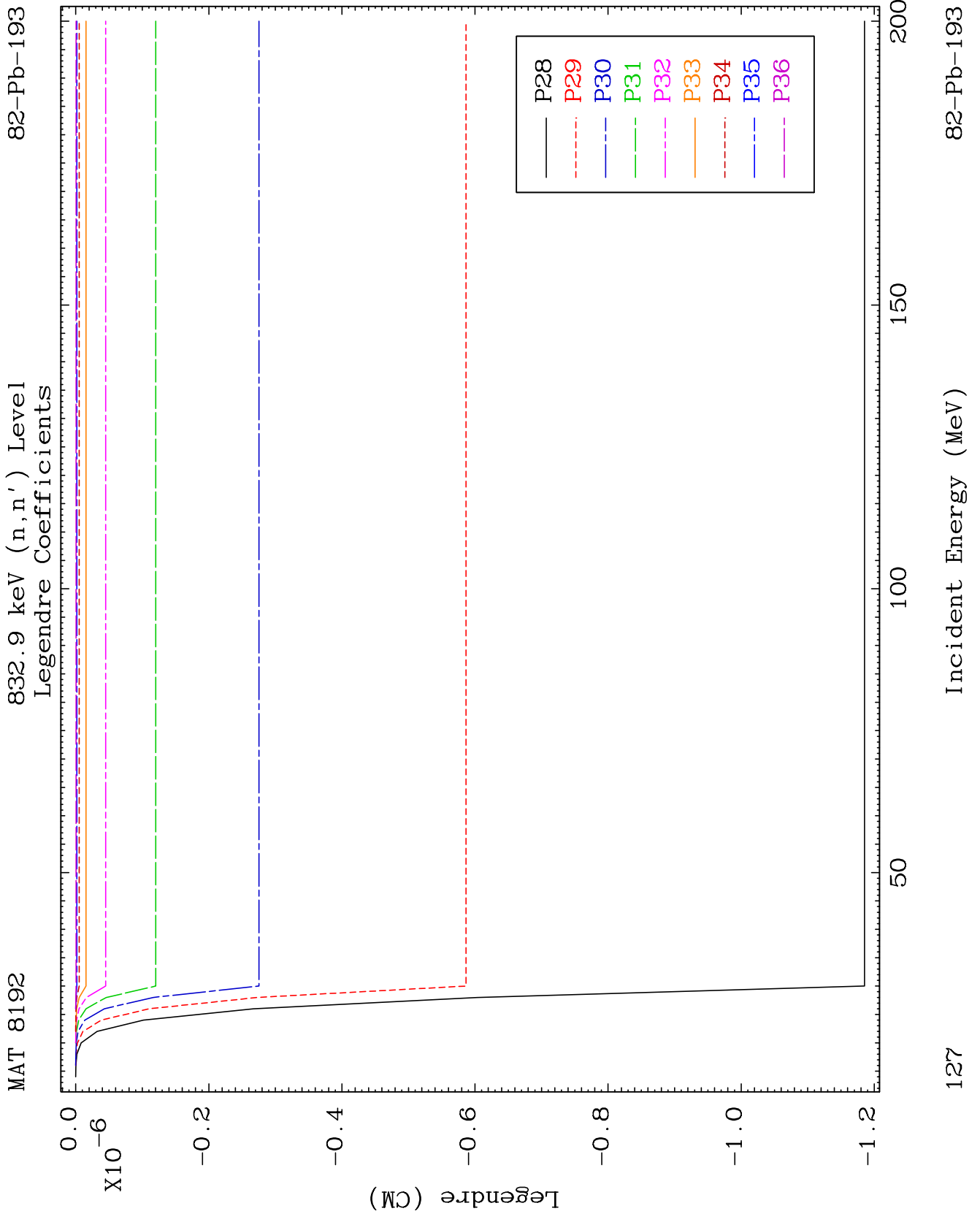
82-Pb-193

MAT 8192

832.9 keV (n,n') Level
Legendre Coefficients

82-Pb-193

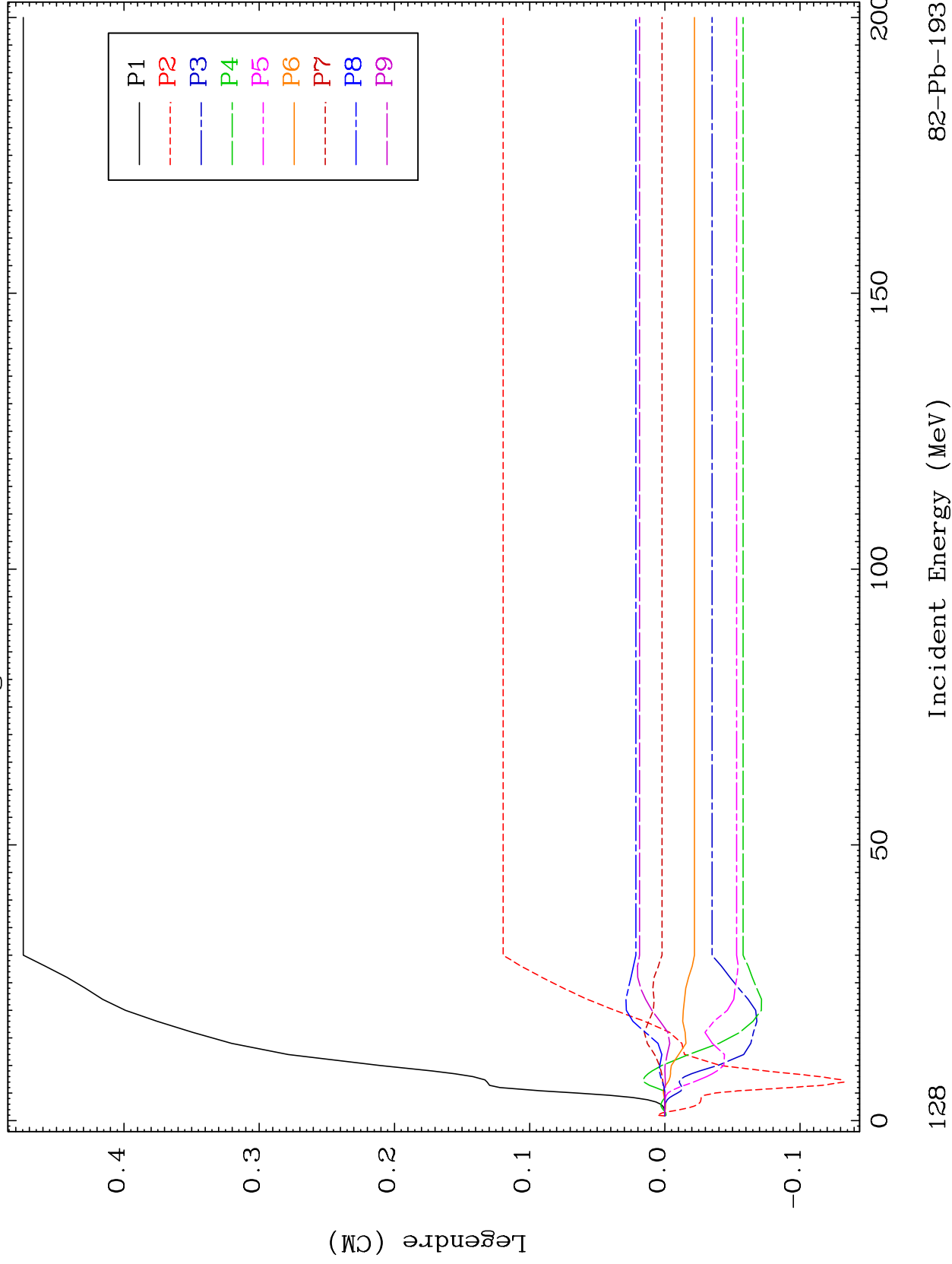




MAT 8192

834.4 keV (n,n') Level
Legendre Coefficients

82-Pb-193



82-Pb-193

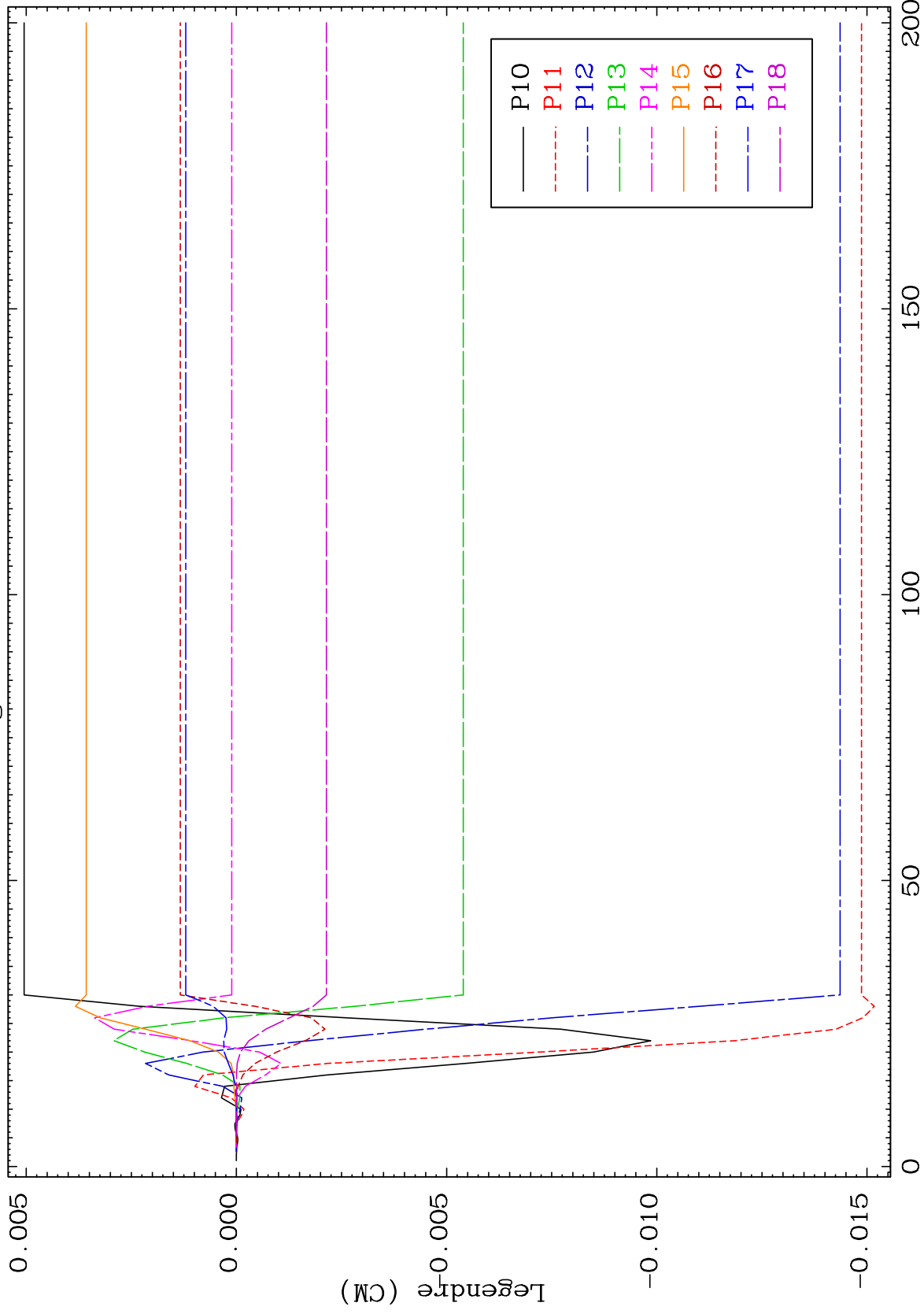
Incident Energy (MeV)

128

MAT 8192

834.4 keV (n,n') Level
Legendre Coefficients

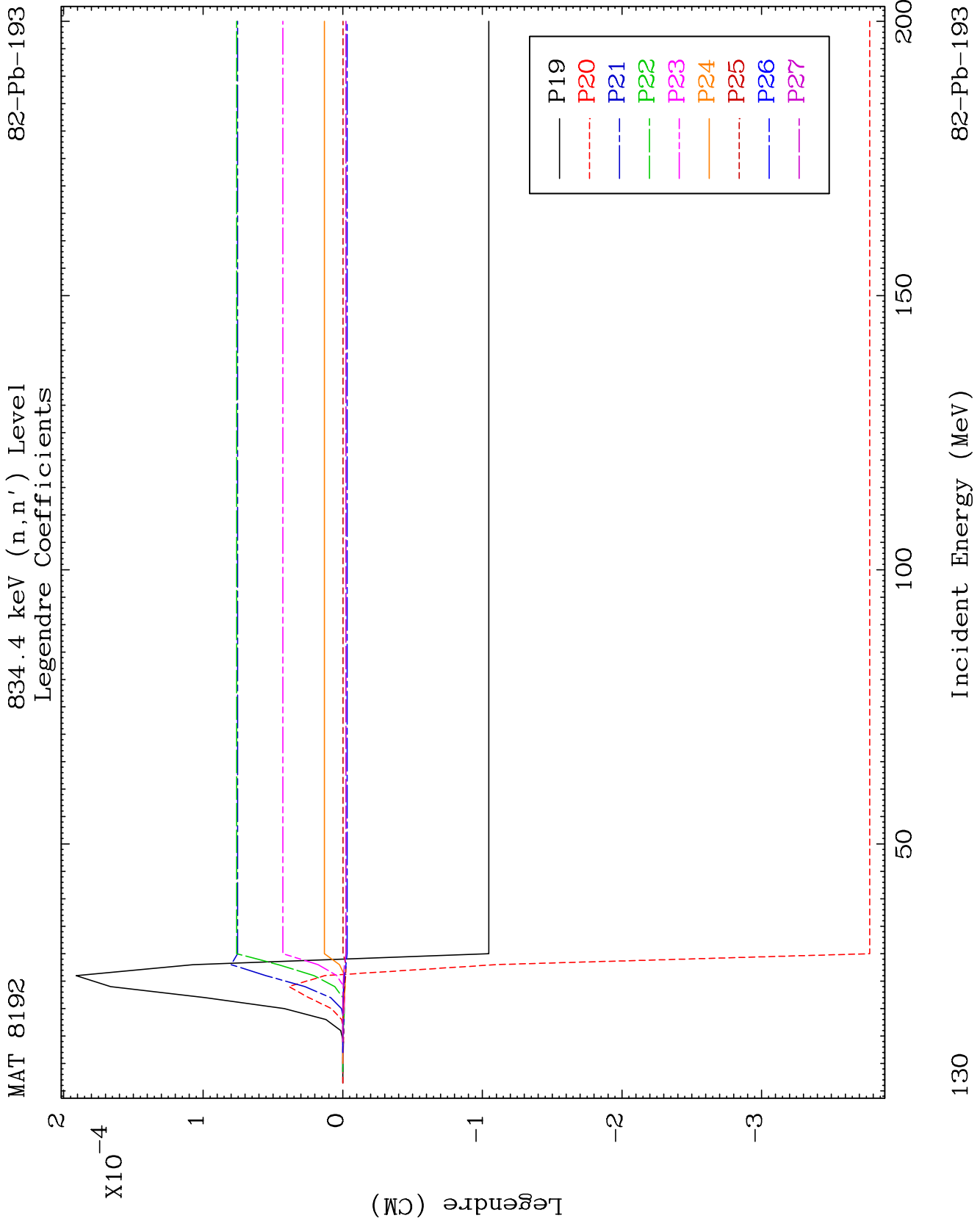
82-Pb-193

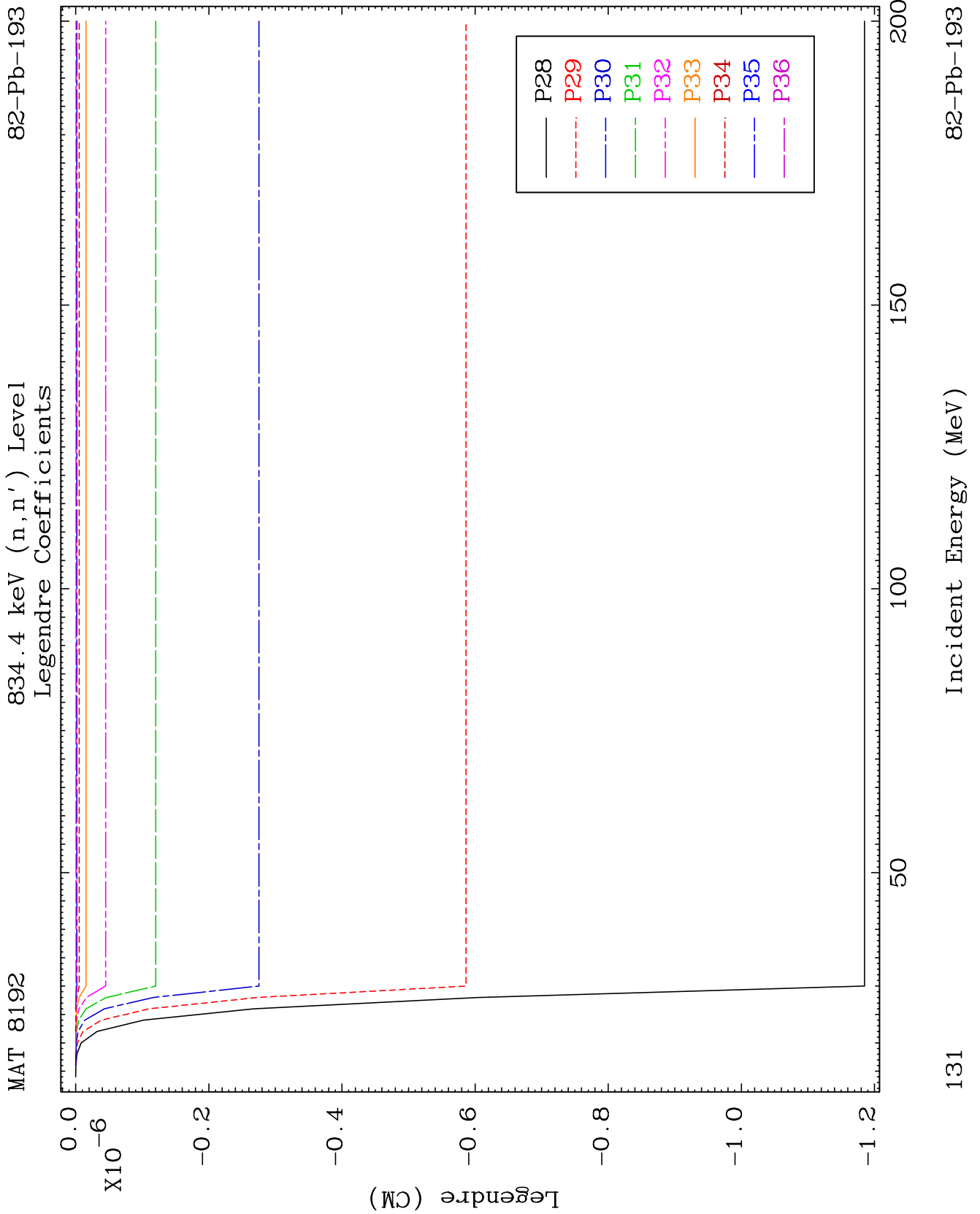


129

Incident Energy (MeV)

82-Pb-193

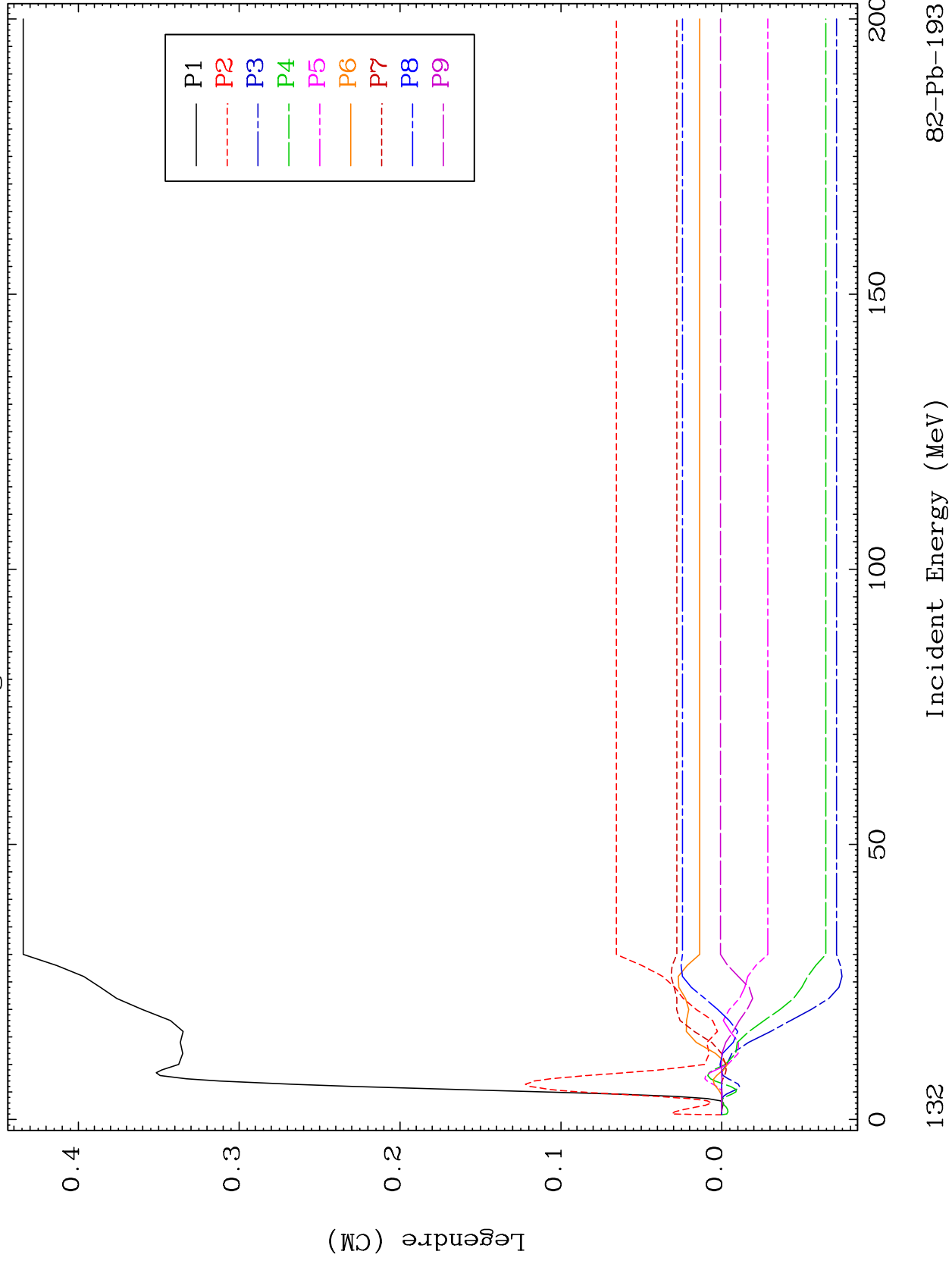




MAT 8192

840.1 keV (n,n') Level
Legendre Coefficients

82-Pb-193



82-Pb-193

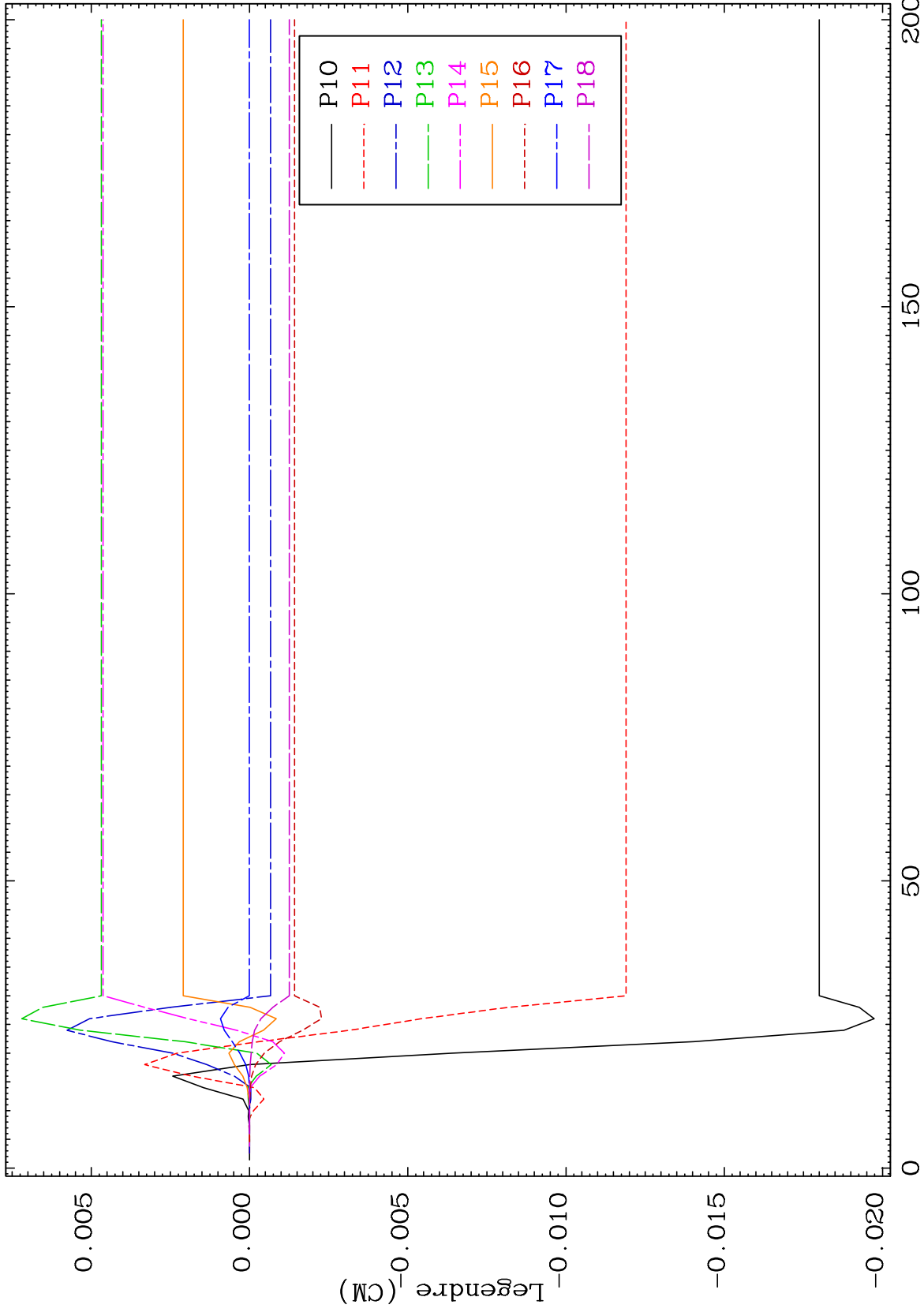
Incident Energy (MeV)

132

MAT 8192

840.1 keV (n,n') Level
Legendre Coefficients

82-Pb-193



133

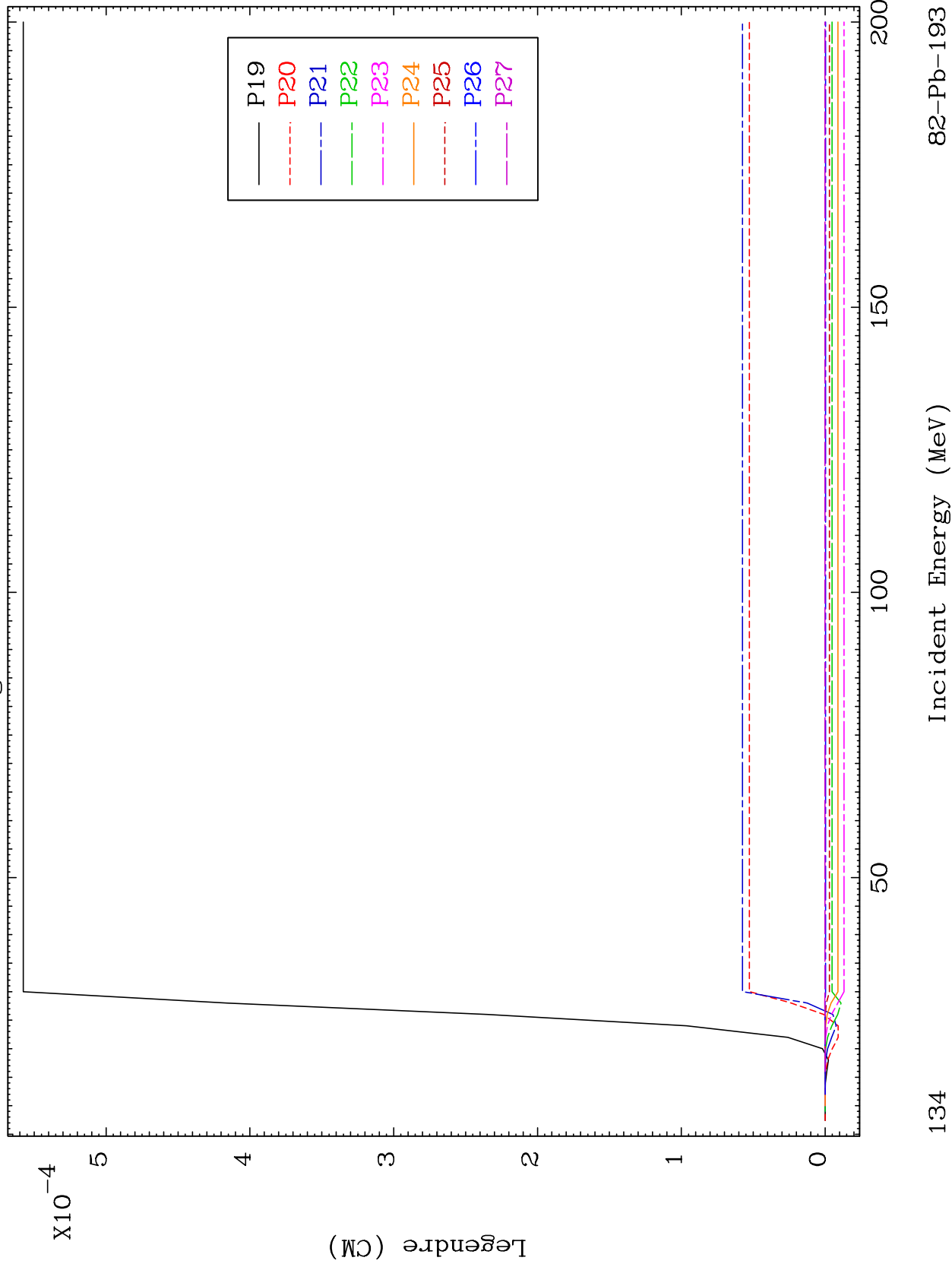
Incident Energy (MeV)

82-Pb-193

MAT 8192

840.1 keV (n,n') Level
Legendre Coefficients

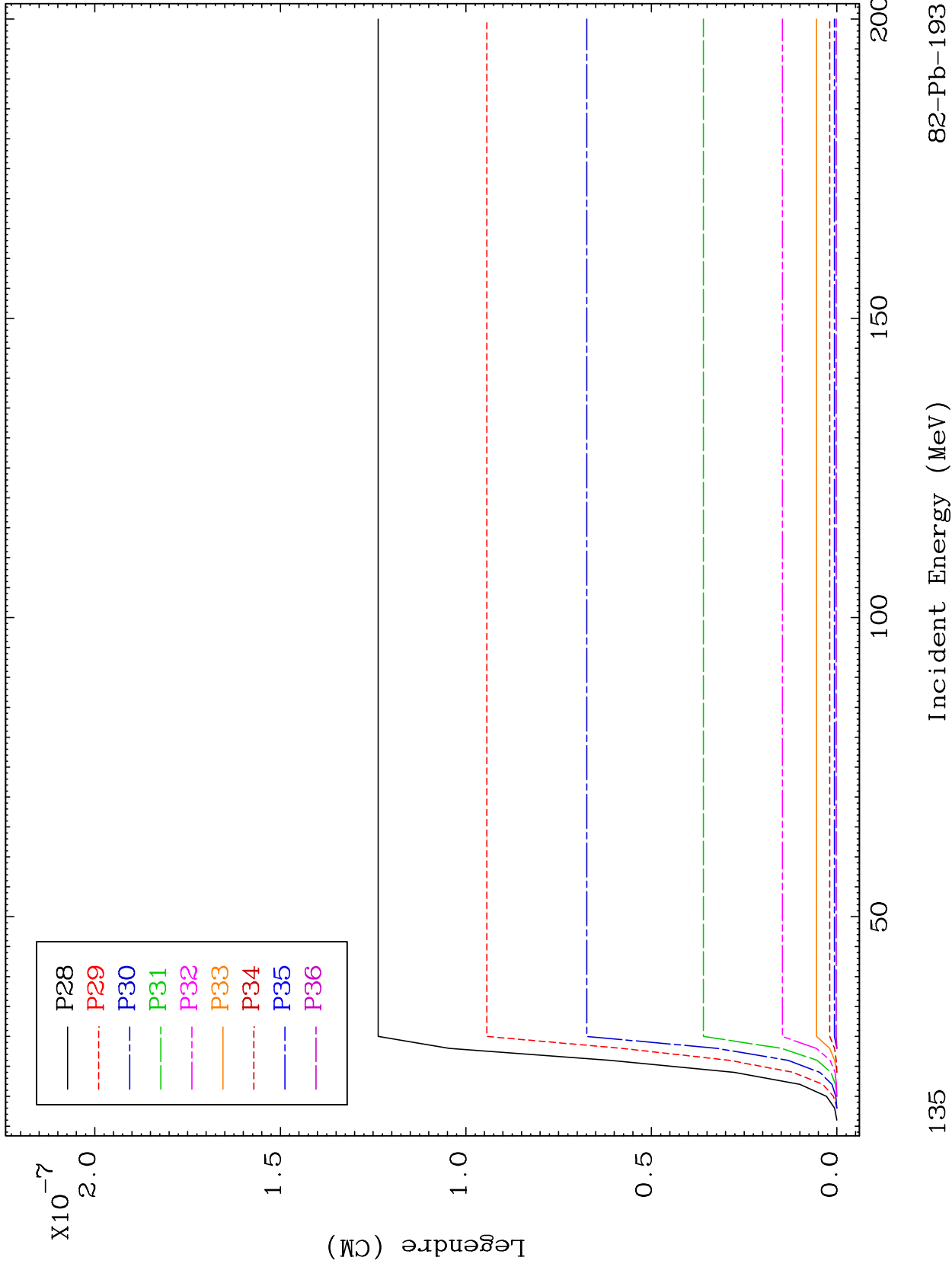
82-Pb-193



MAT 8192

840.1 keV (n,n') Level
Legendre Coefficients

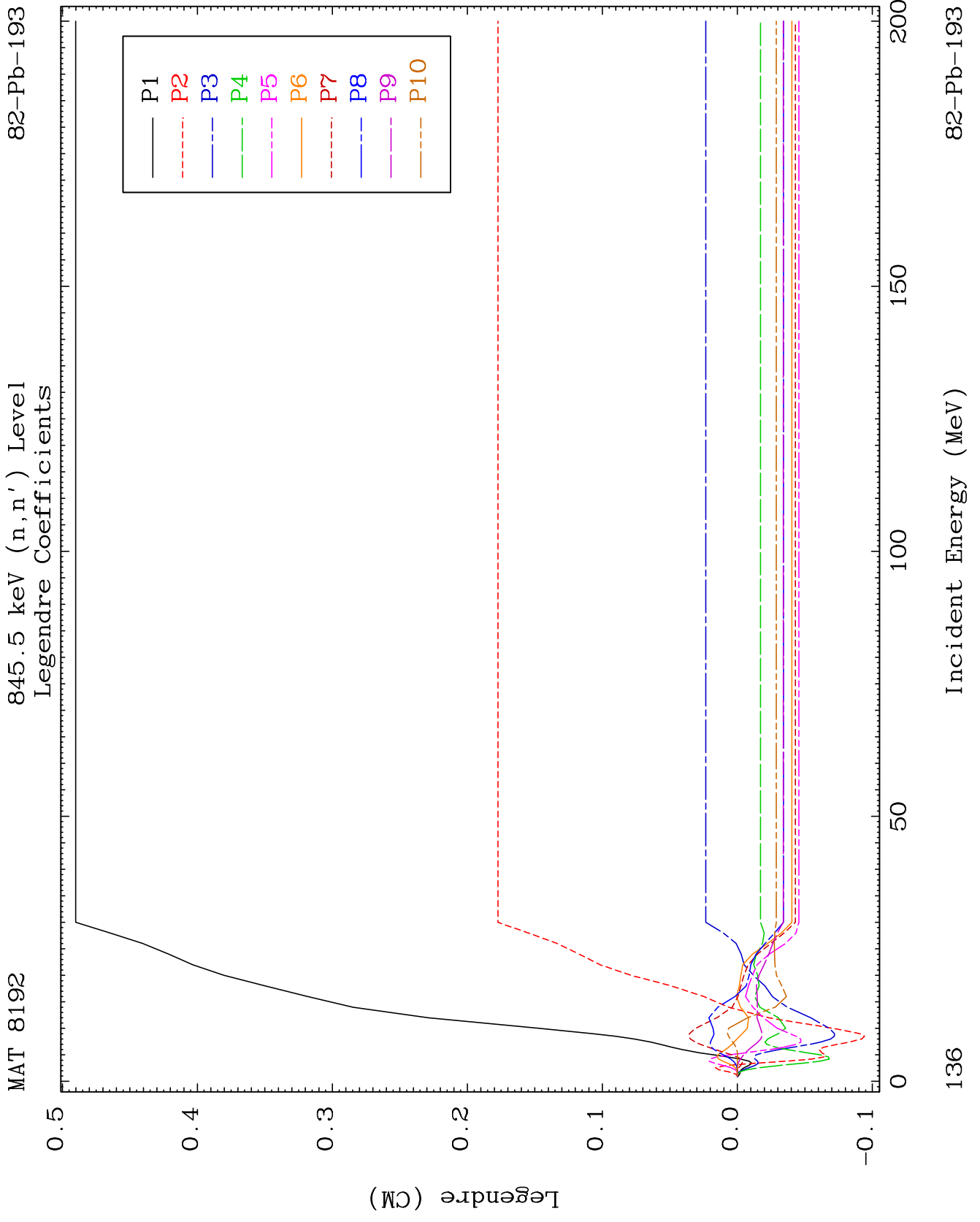
82-Pb-193



135

Incident Energy (MeV)

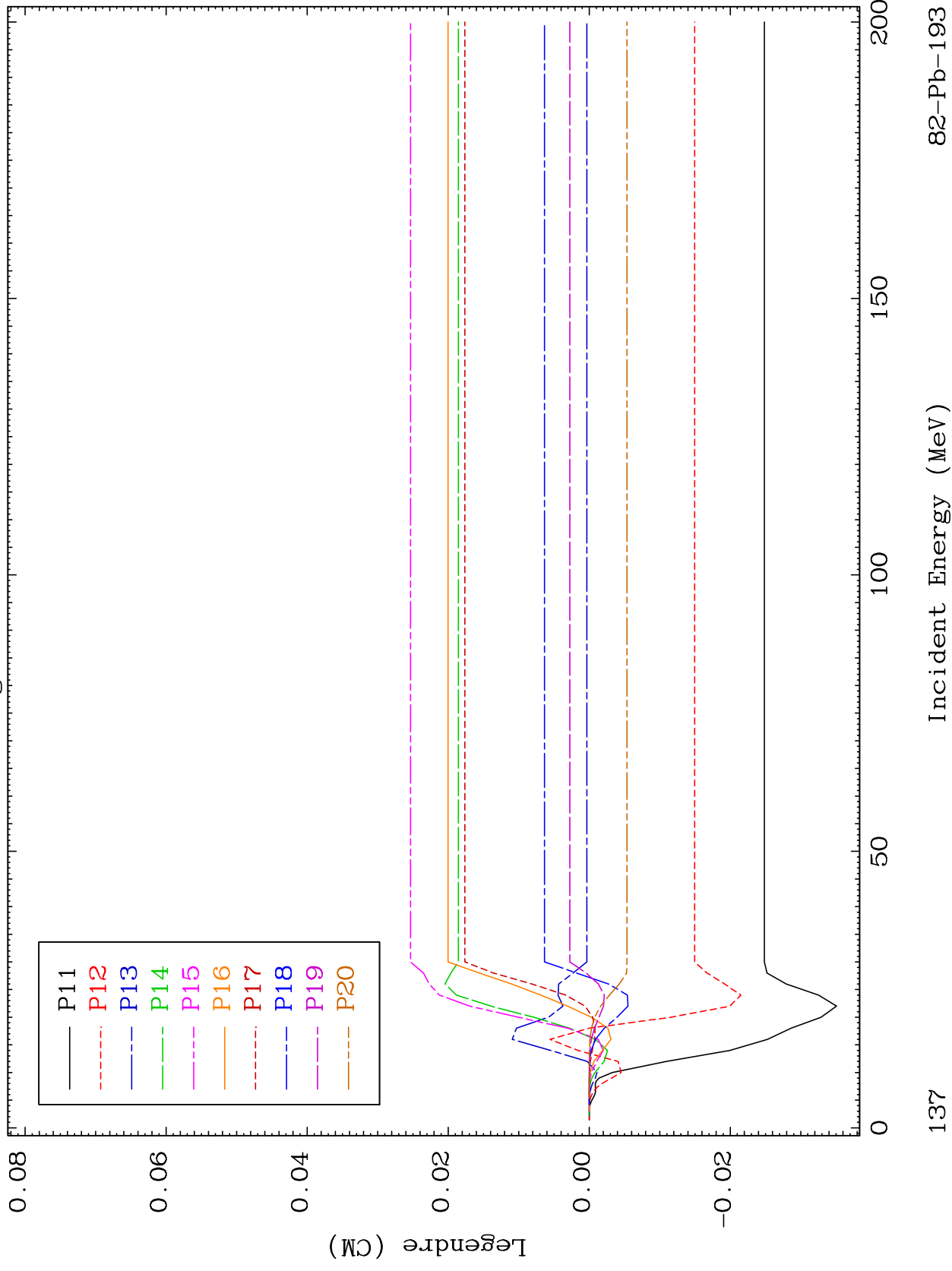
82-Pb-193



MAT 8192

845.5 keV (n,n') Level
Legendre Coefficients

82-Pb-193



137

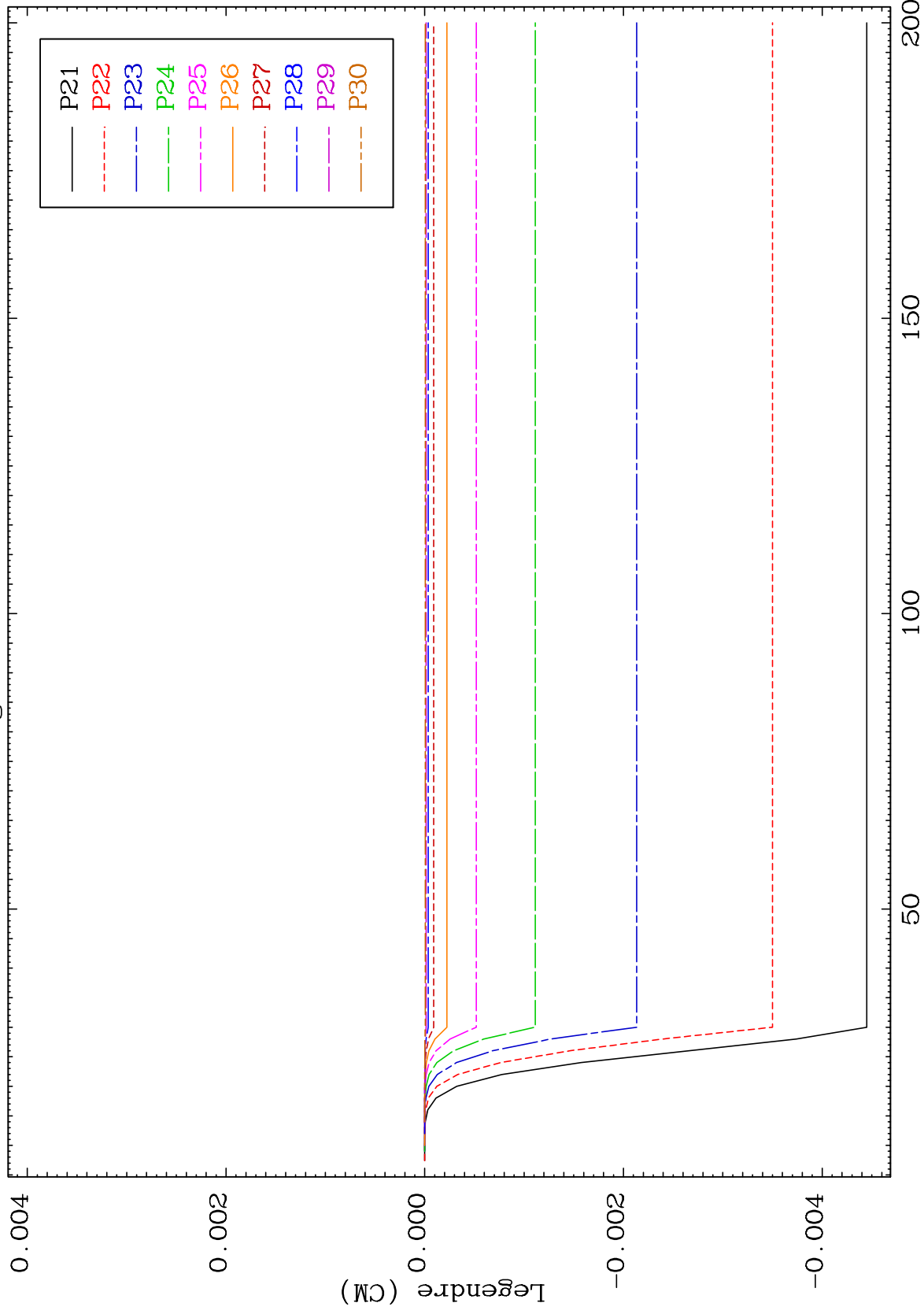
Incident Energy (MeV)

82-Pb-193

MAT 8192

845.5 keV (n,n') Level
Legendre Coefficients

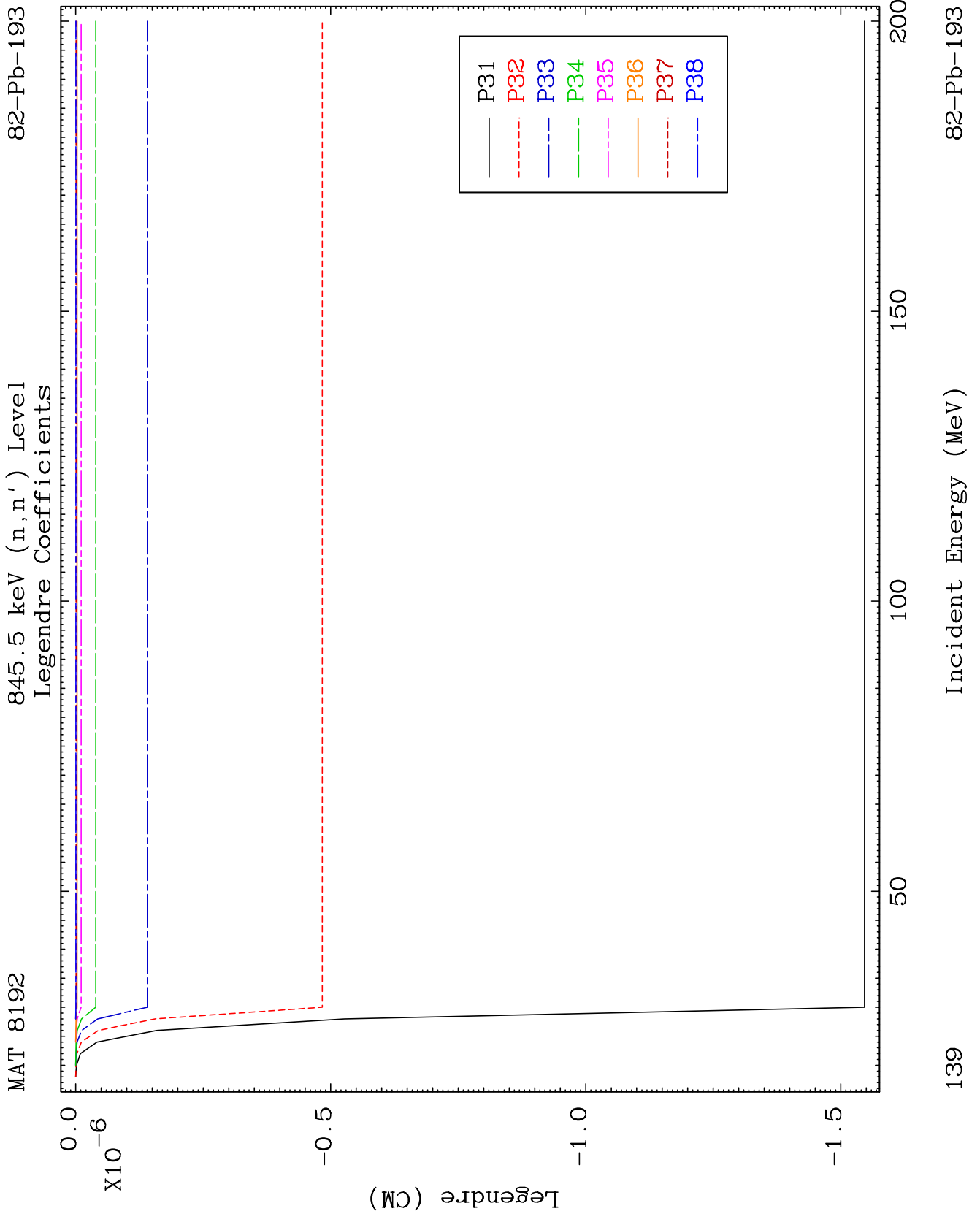
82-Pb-193



138

Incident Energy (MeV)

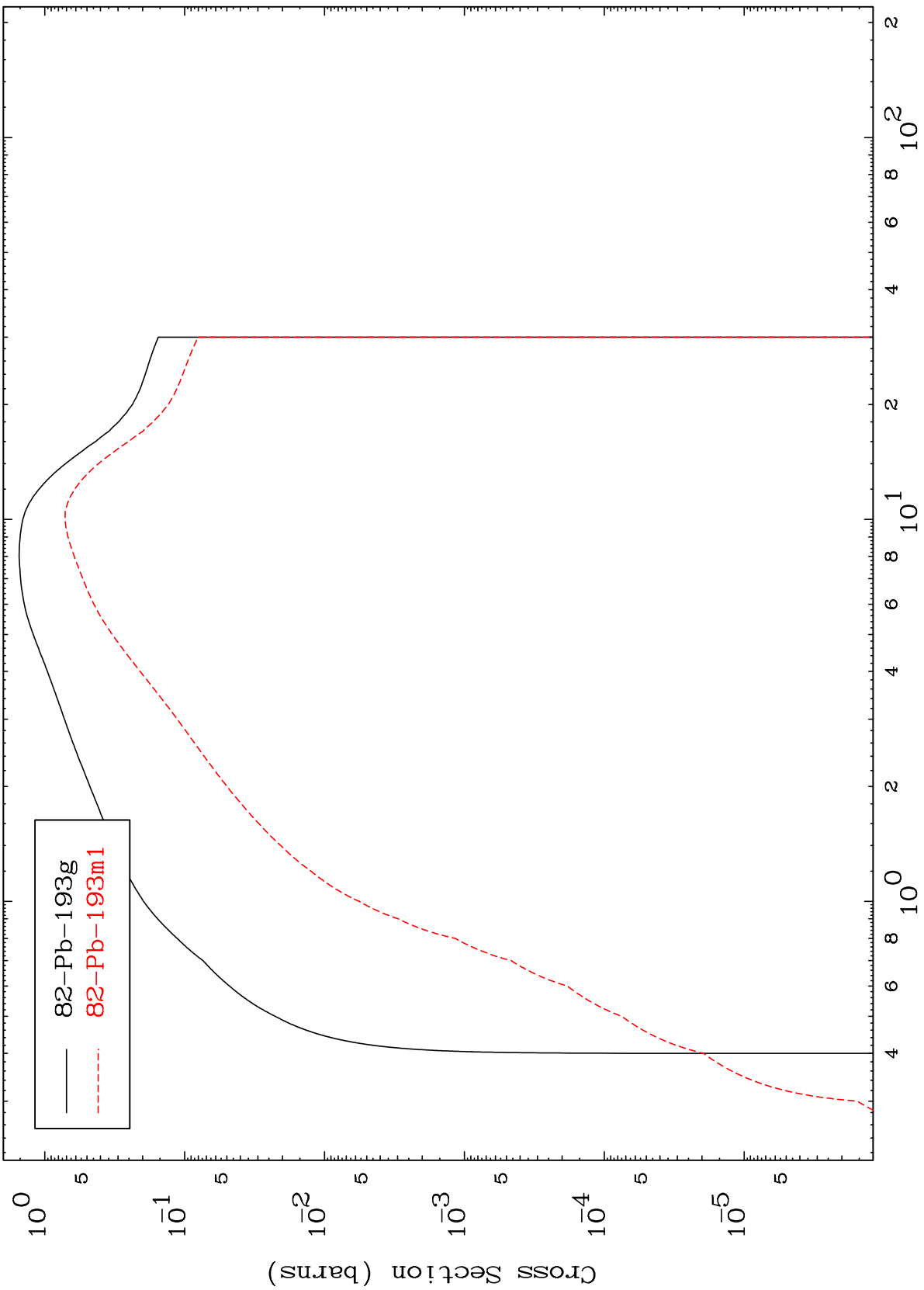
82-Pb-193



MAT 8192

82-Pb-193

Inelastic
Radionuclide Production Cross Section



82-Pb-193g
82-Pb-193m1

82-Pb-193

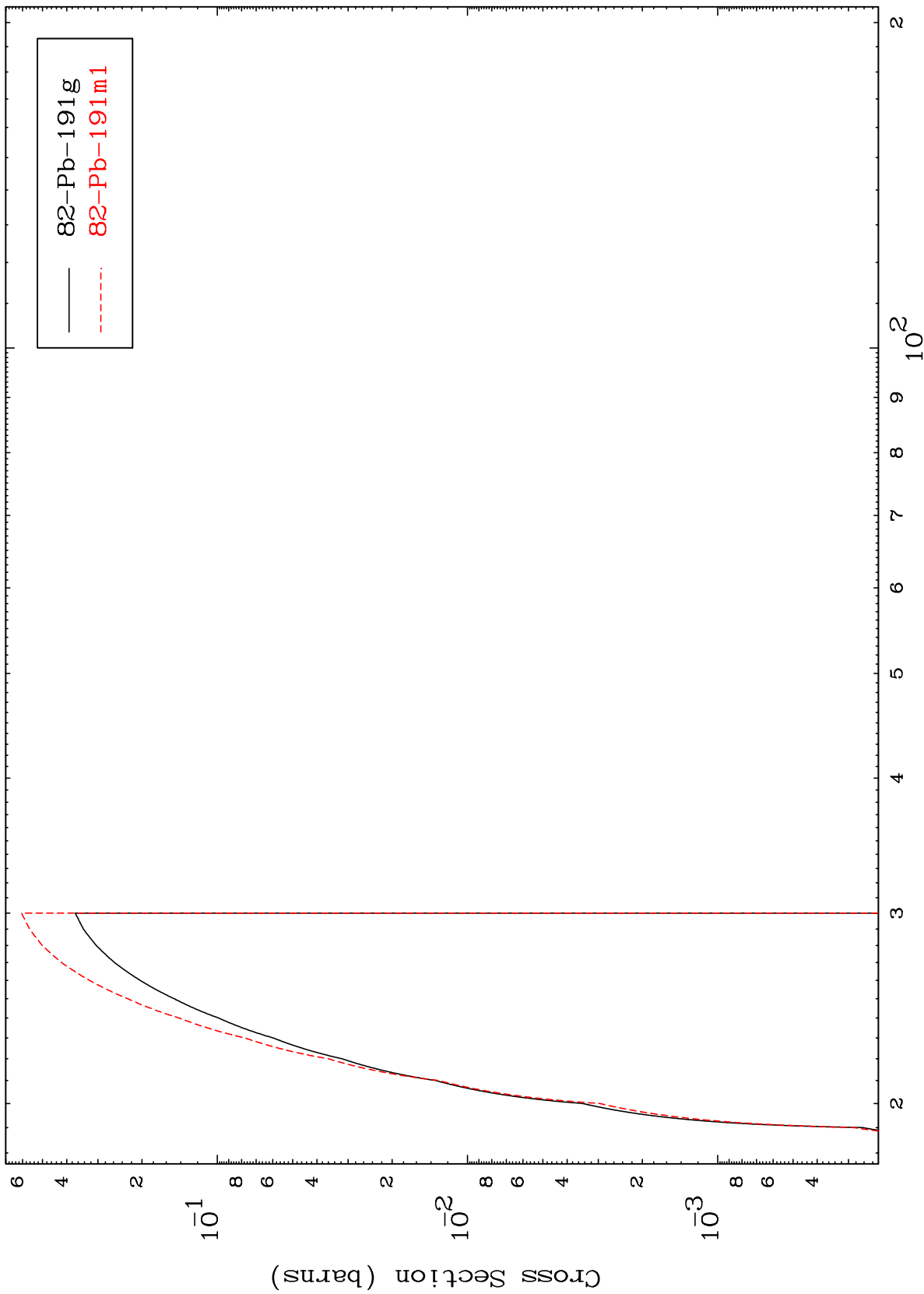
Incident Energy (MeV)

140

MAT 8192

82-Pb-193

(n,3n)
Radionuclide Production Cross Section



82-Pb-191 g
82-Pb-191 m1

82-Pb-193

Incident Energy (MeV)

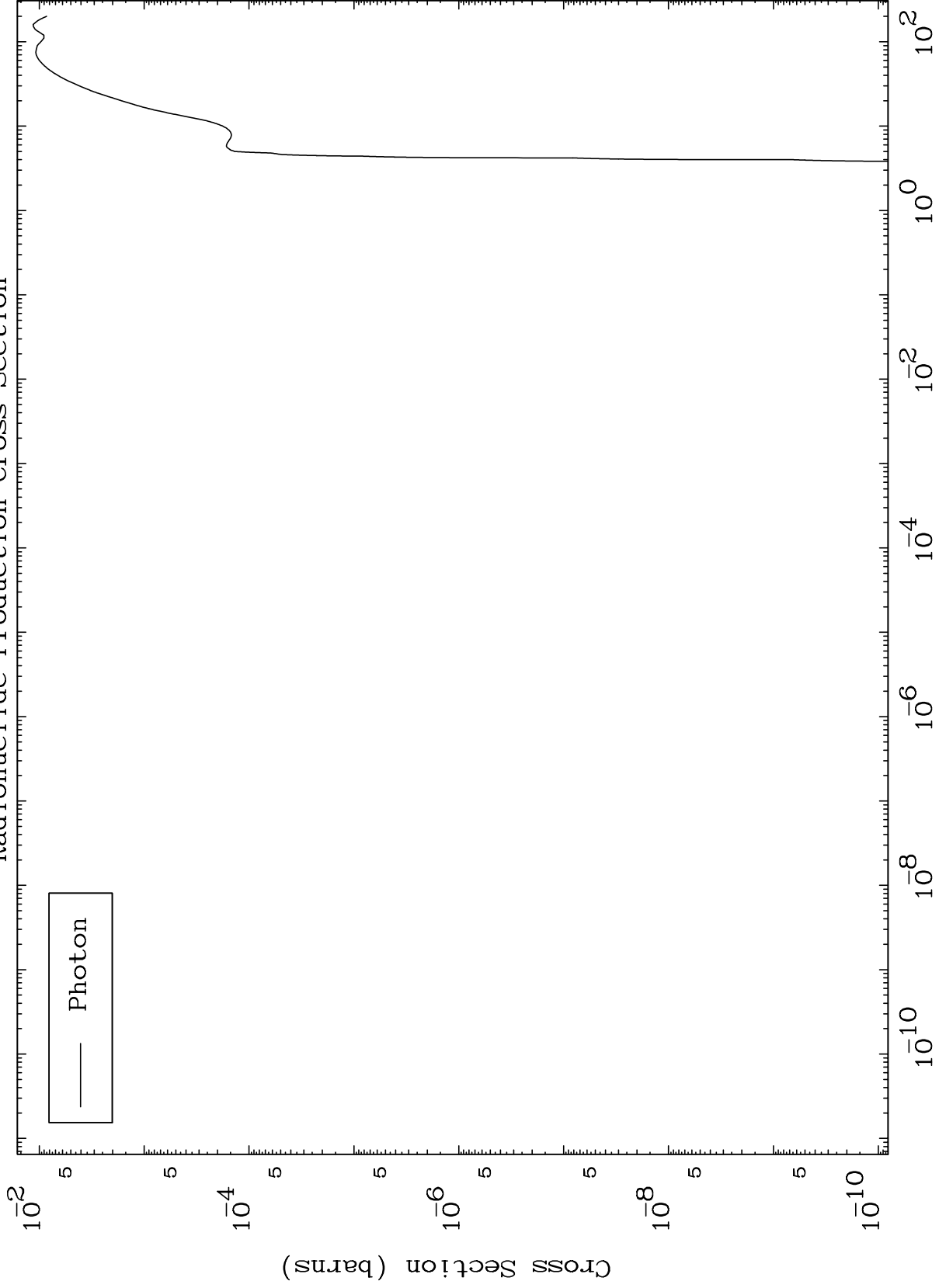
141

MAT 8192

Fission

82-Pb-193

Radionuclide Production Cross Section



142

Incident Energy (MeV)

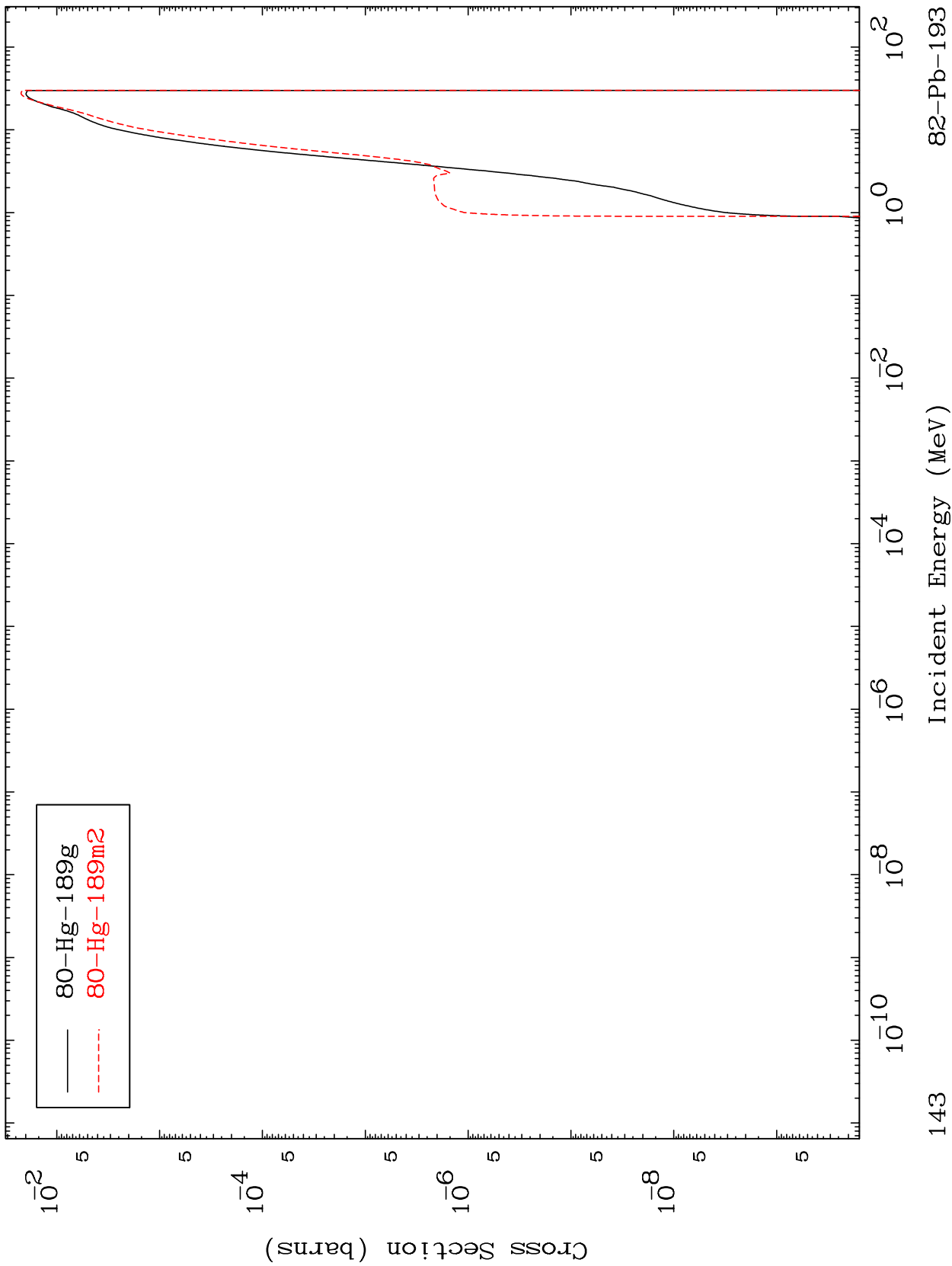
82-Pb-193

MAT 8192

$(n, n') \alpha$

82-Pb-193

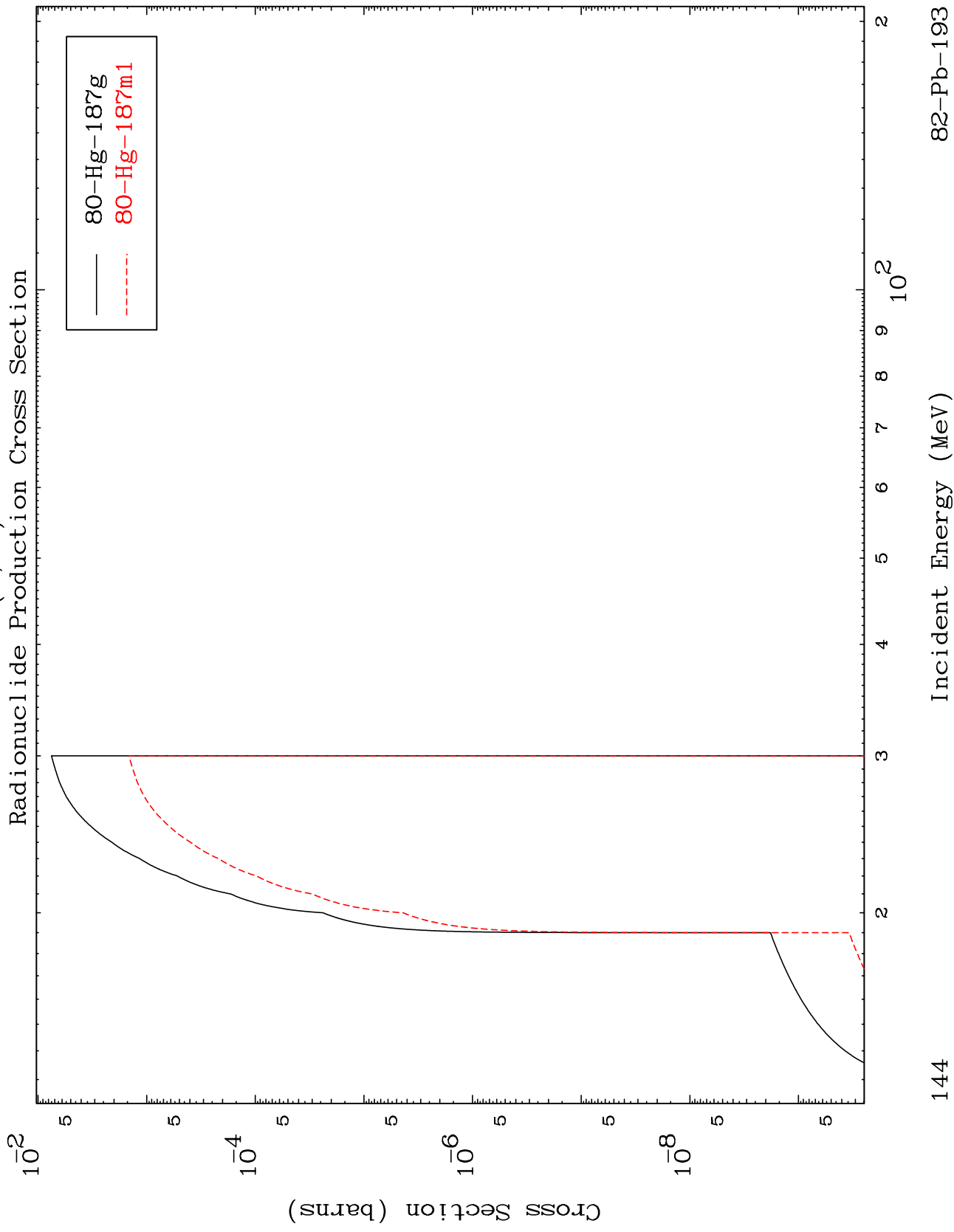
Radionuclide Production Cross Section



MAT 8192

$(n,3n) \alpha$

82-Pb-193



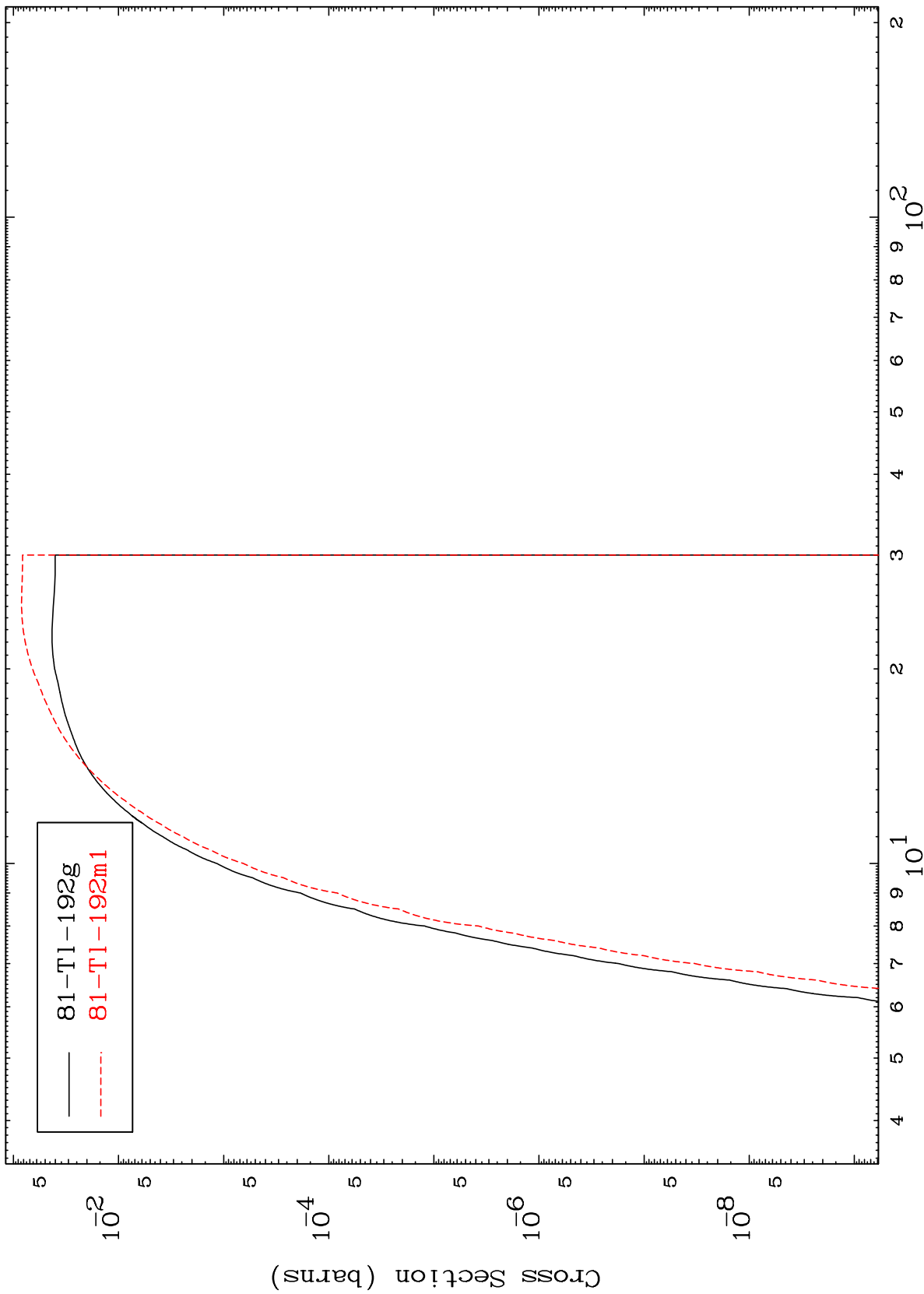
144

MAT 8192

(n,n') p

82-Pb-193

Radionuclide Production Cross Section



145

Incident Energy (MeV)

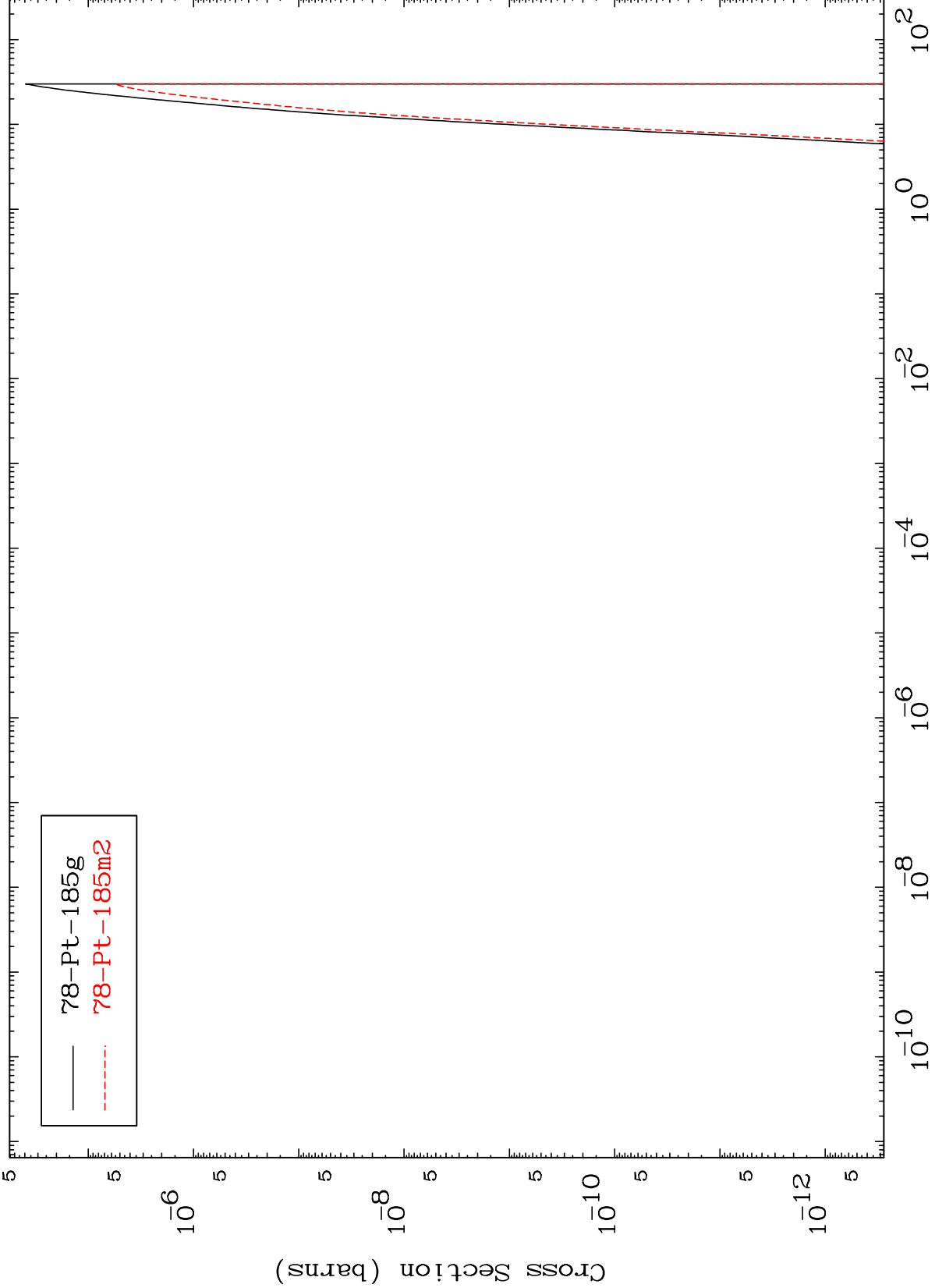
82-Pb-193

MAT 8192

(n,n') 2α

82-Pb-193

Radionuclide Production Cross Section

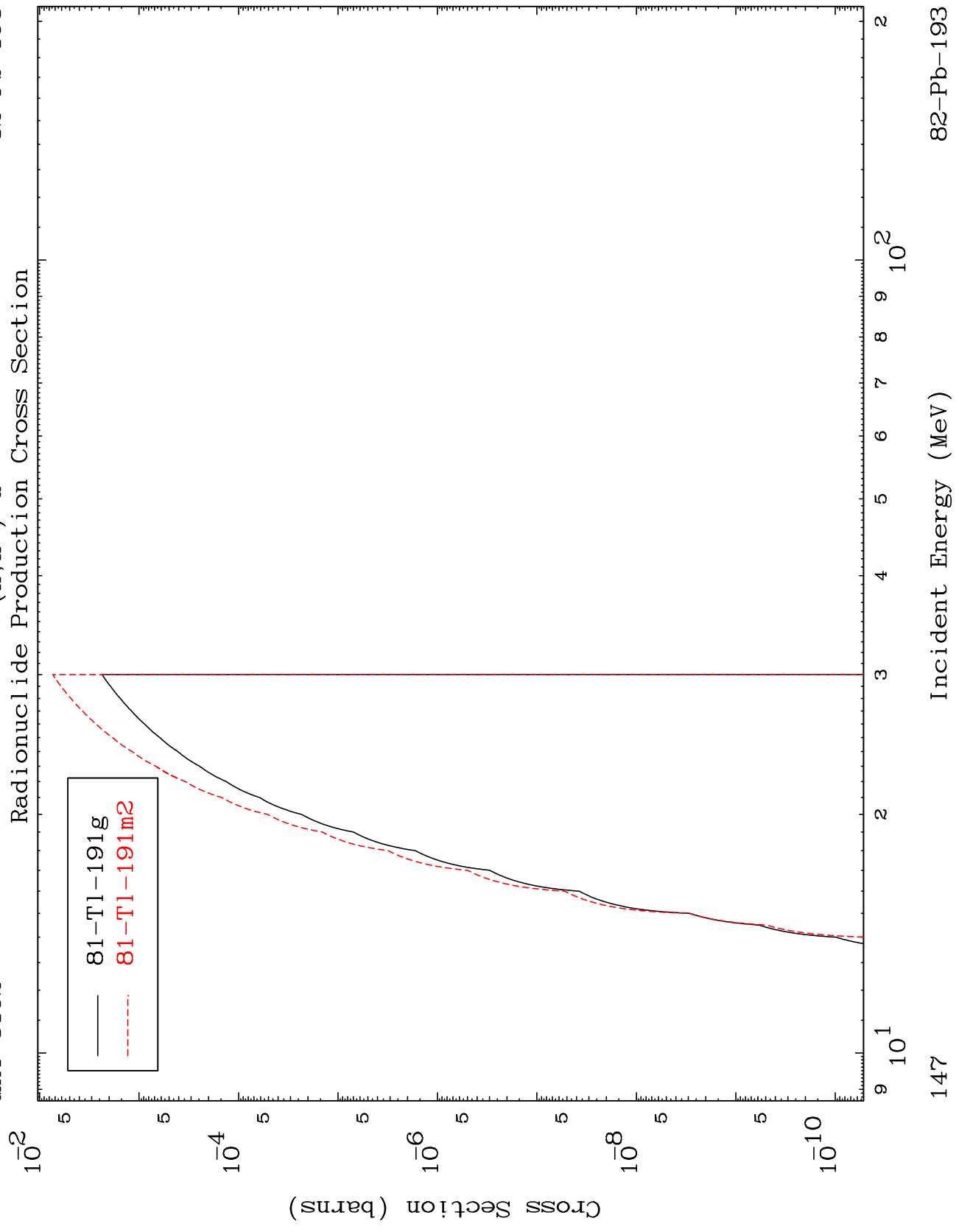


78-Pt-185g
78-Pt-185m2

MAT 8192

(n,n') d

82-Pb-193



147

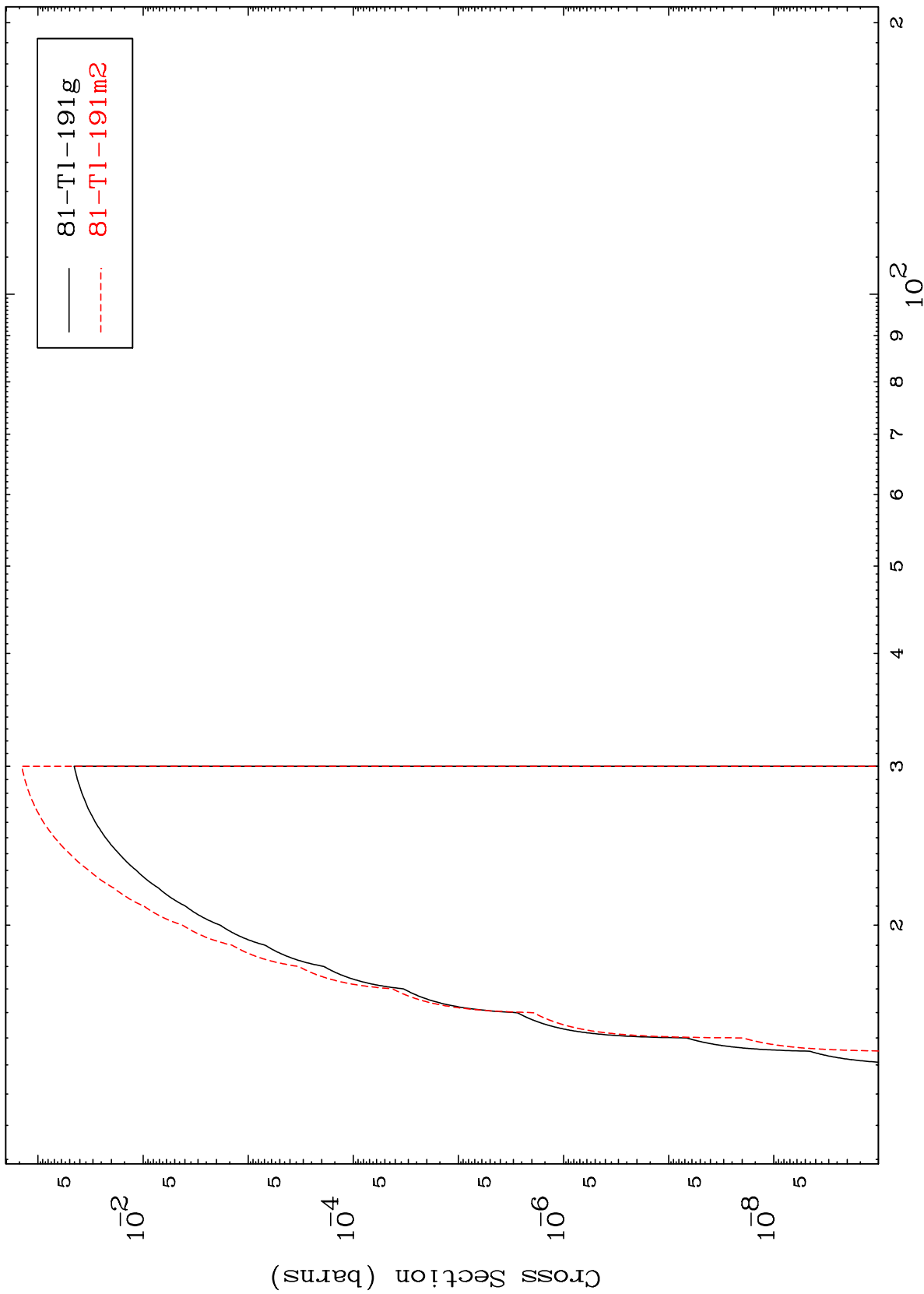
82-Pb-193

MAT 8192

(n,2n) p

82-Pb-193

Radionuclide Production Cross Section



148

Incident Energy (MeV)

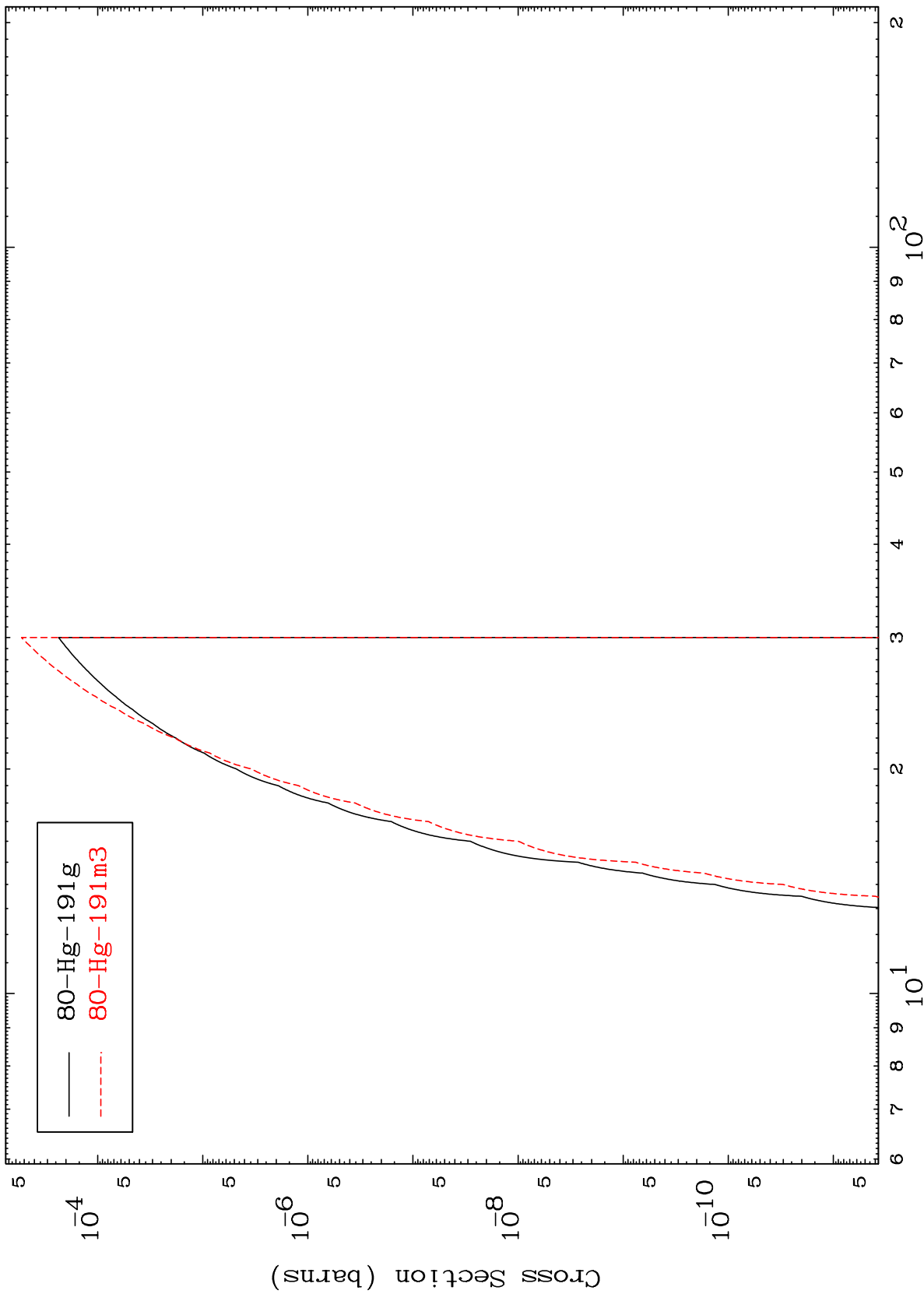
82-Pb-193

MAT 8192

(n,2n) p

82-Pb-193

Radionuclide Production Cross Section



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

149

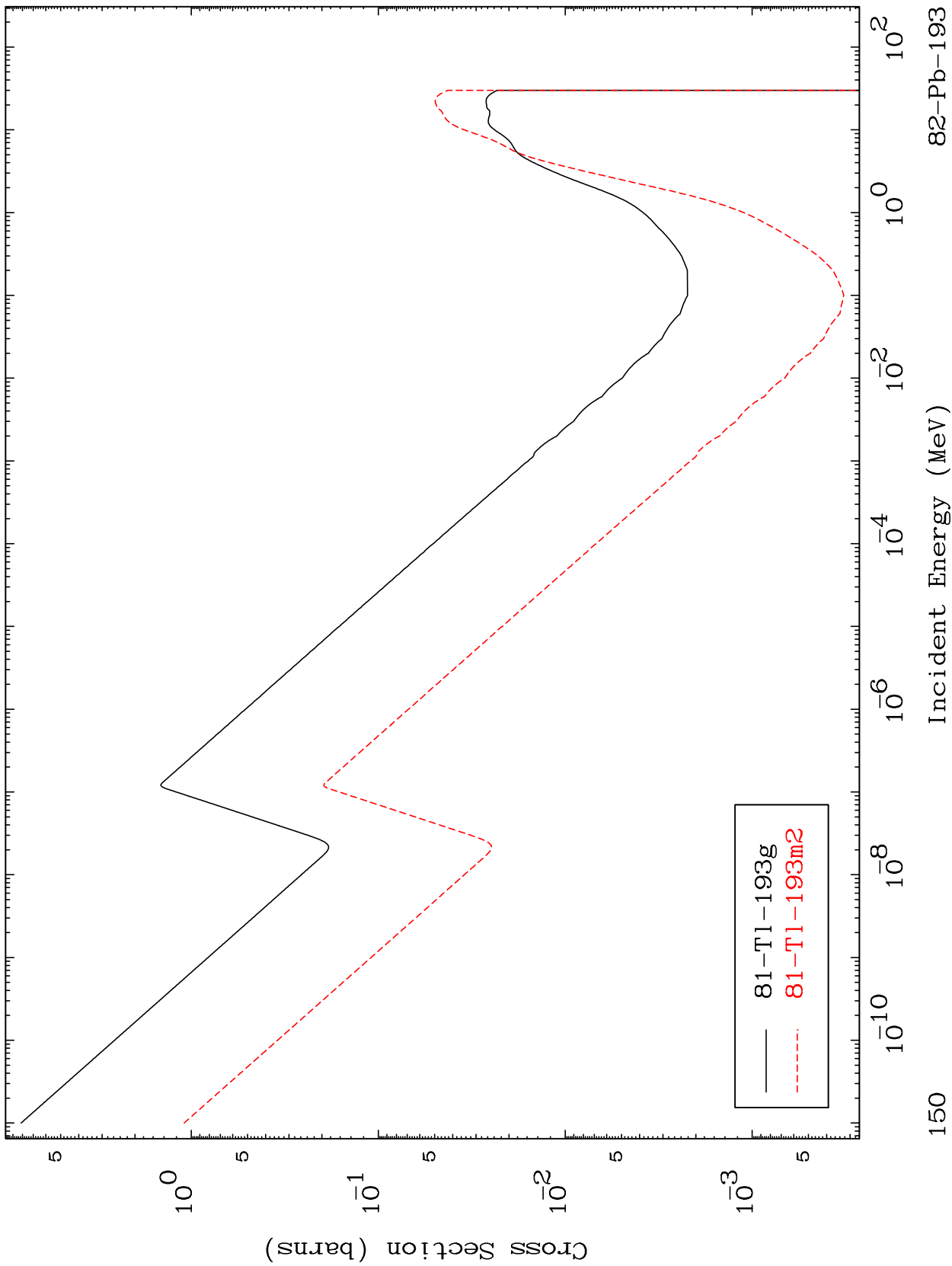
Incident Energy (MeV)

82-Pb-193

MAT 8192

82-Pb-193

(n,p)
Radionuclide Production Cross Section

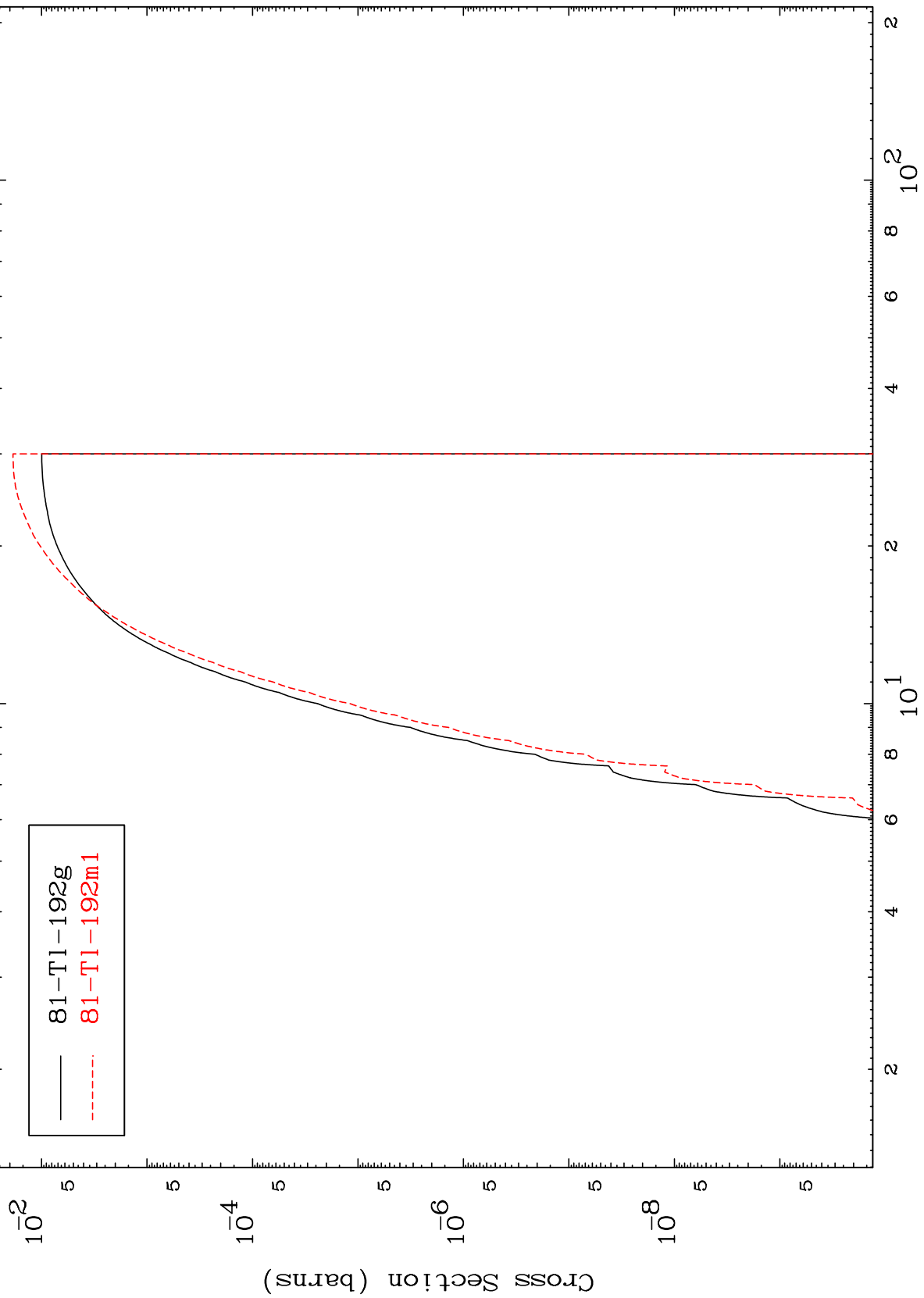


MAT 8192

(n,d)

82-Pb-193

Radionuclide Production Cross Section



81-Tl-192g
81-Tl-192m1

151

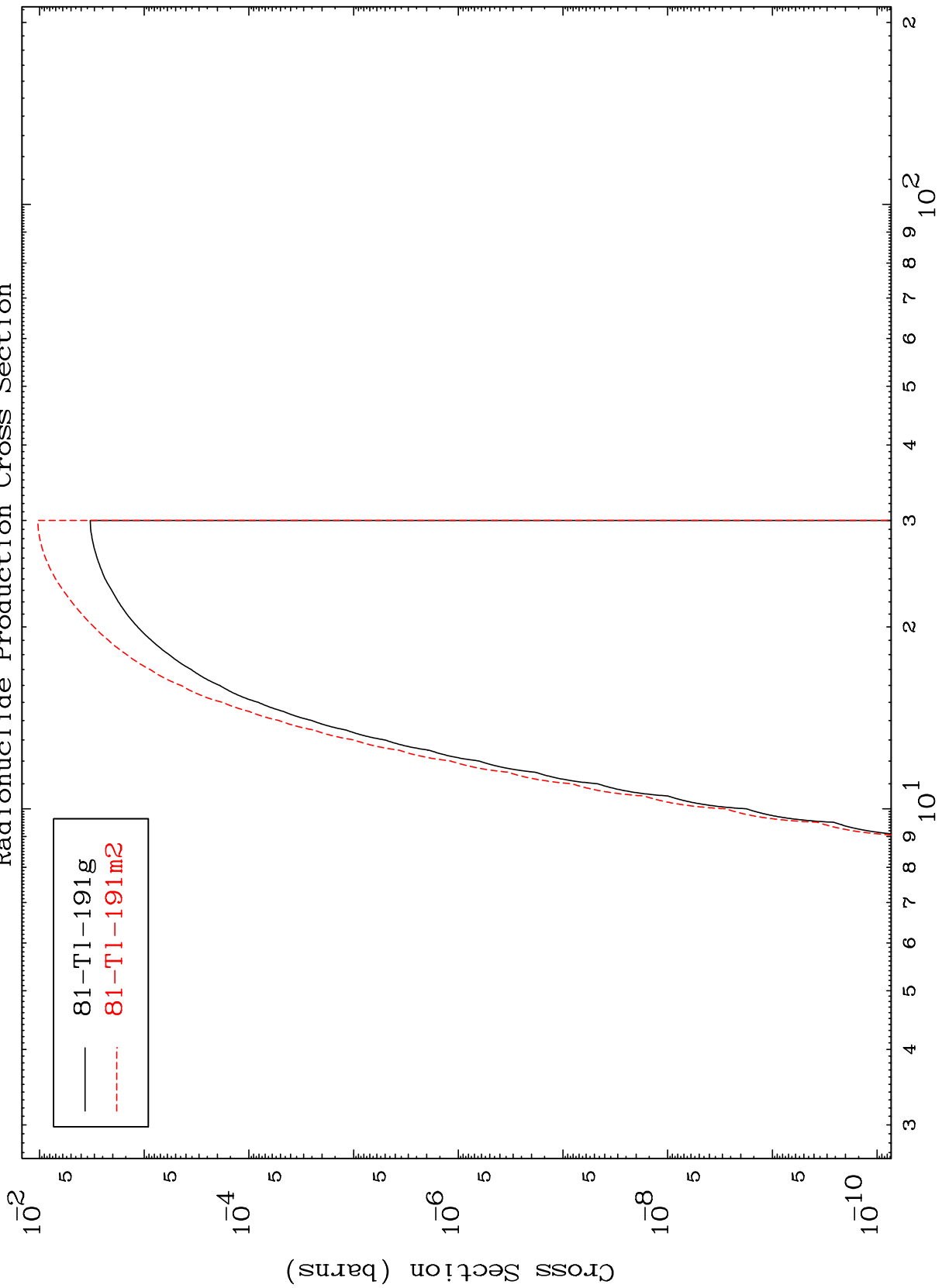
Incident Energy (MeV)

82-Pb-193

MAT 8192

82-Pb-193

(n, t)
Radionuclide Production Cross Section



— 81-Tl-191g
- - - 81-Tl-191m2

152

Incident Energy (MeV)

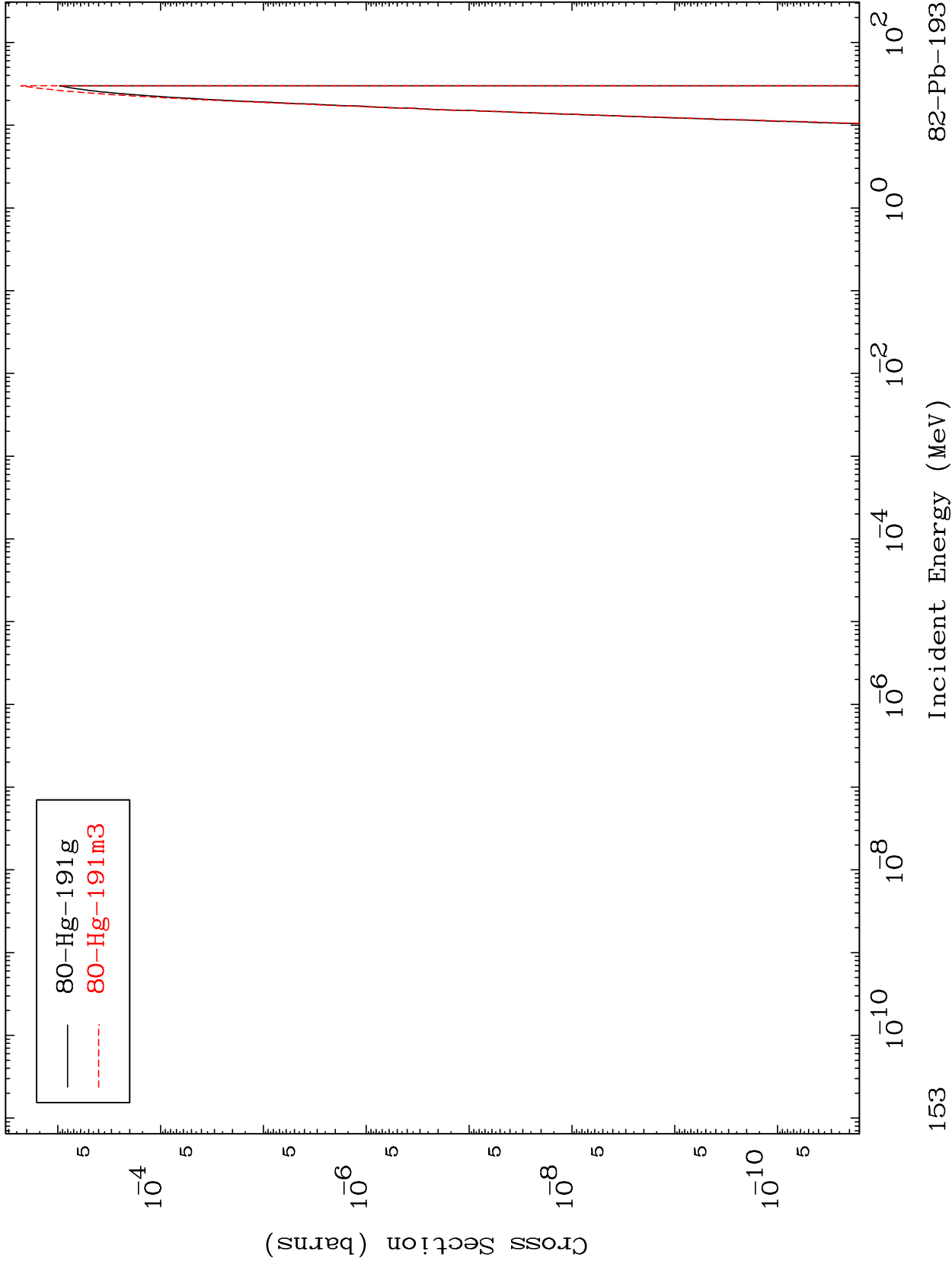
82-Pb-193

MAT 8192

(n,He-3)

82-Pb-193

Radionuclide Production Cross Section

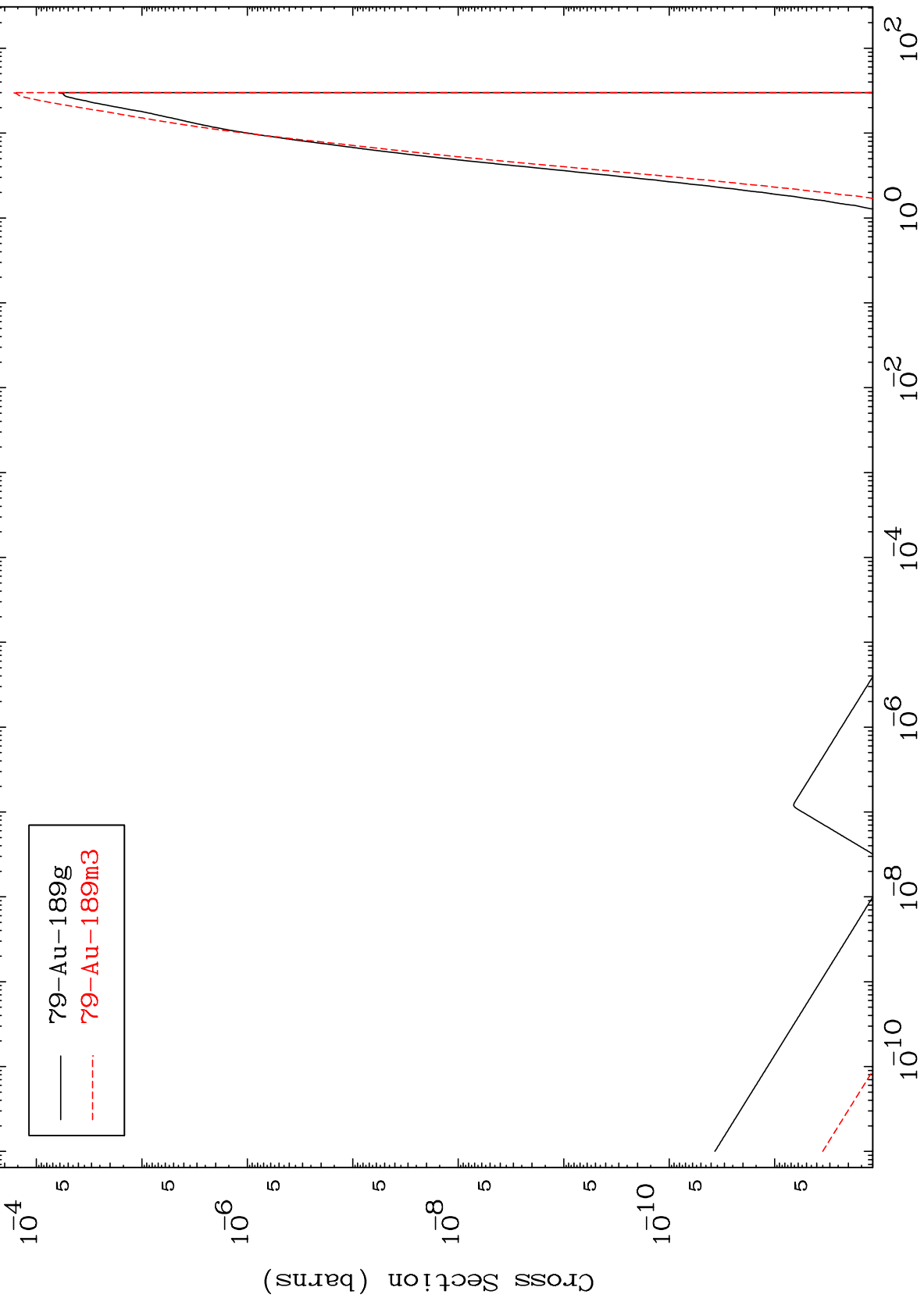


MAT 8192

(n,p) α

82-Pb-193

Radionuclide Production Cross Section



154

Incident Energy (MeV)

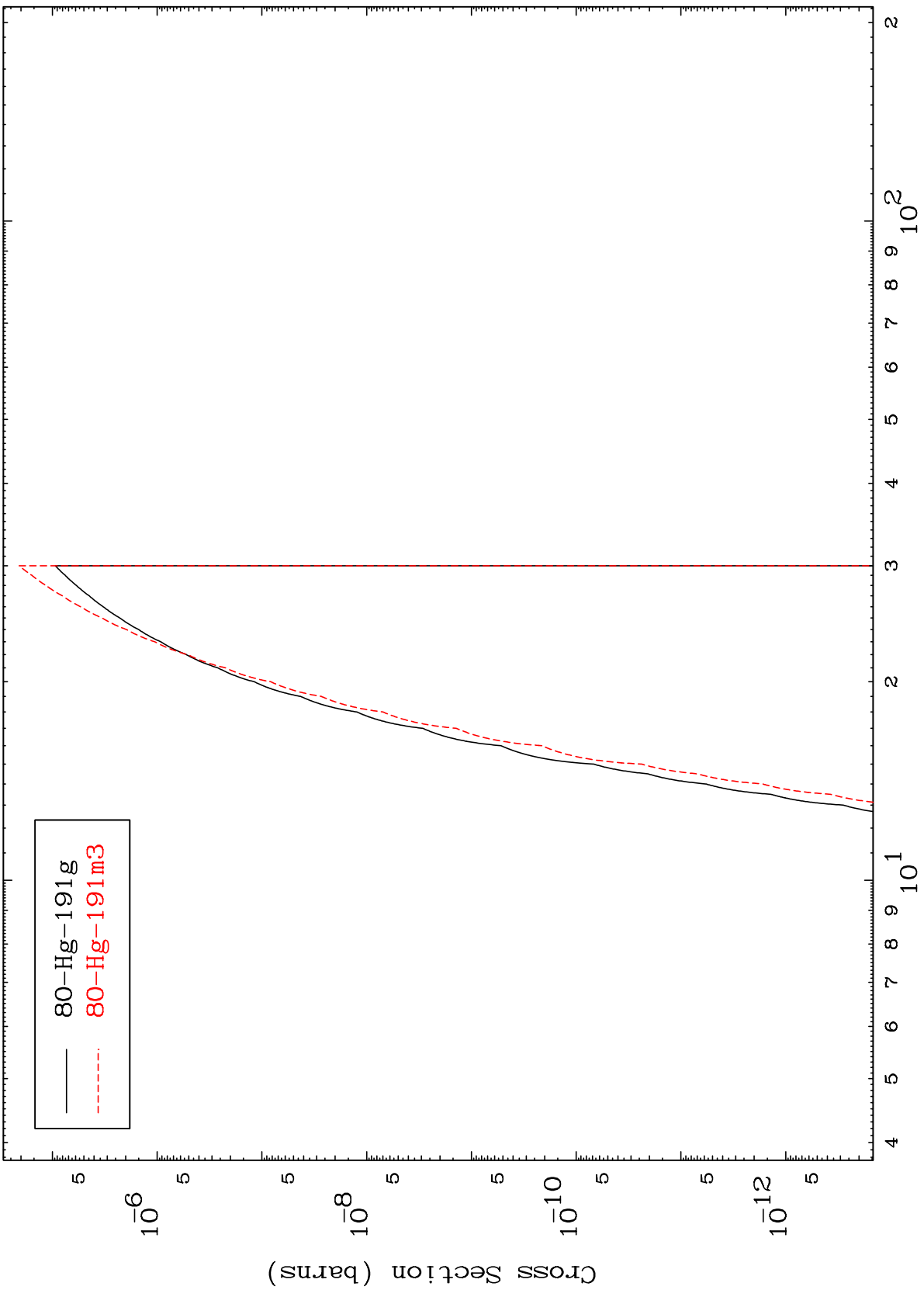
82-Pb-193

MAT 8192

(n,p) d

82-Pb-193

Radionuclide Production Cross Section



155

Incident Energy (MeV)

82-Pb-193