

Program EVALPLOT
(Version 2015-2)

by

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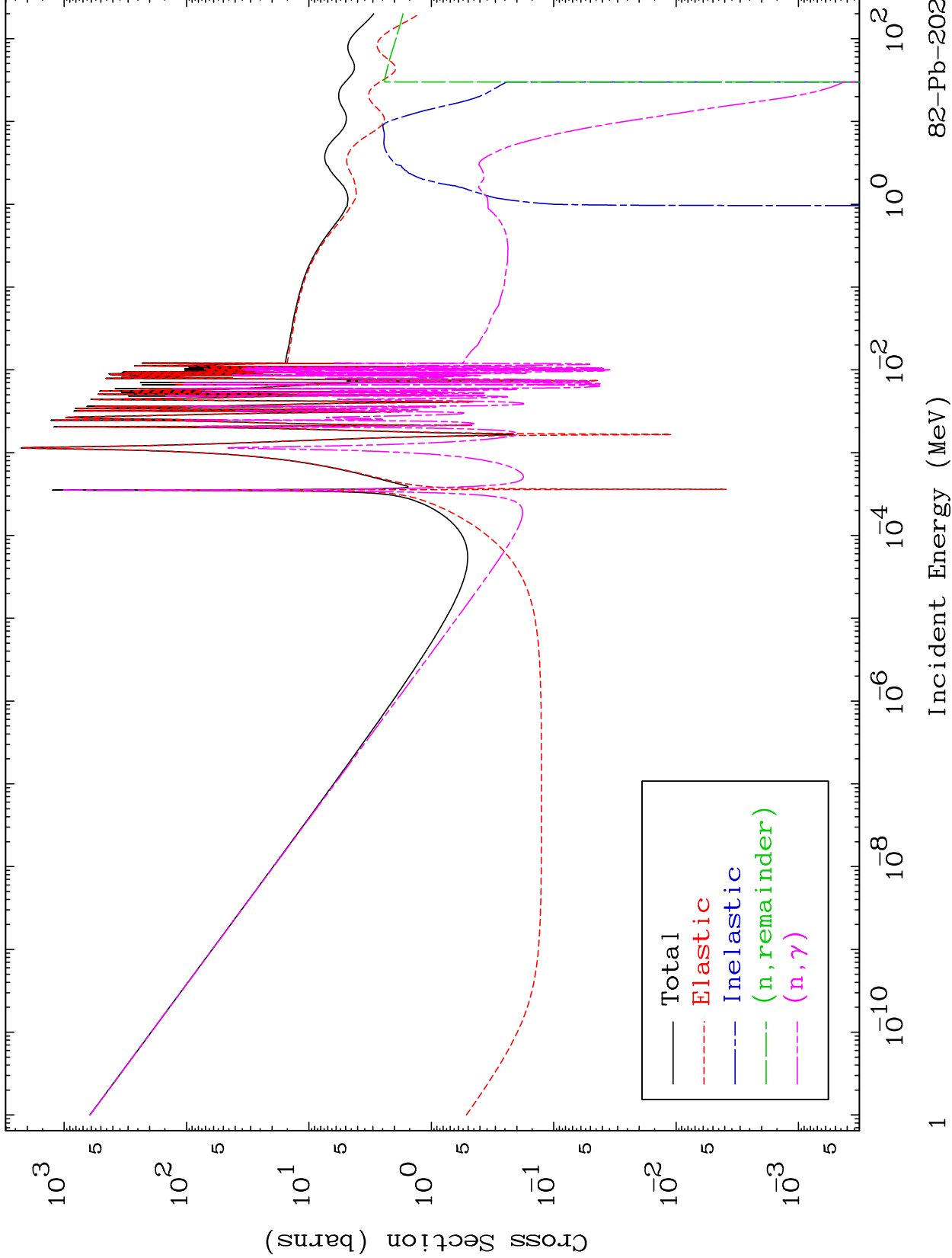
Press Mouse Button to Start

MAT 8219

Major

293 Kelvin Cross Sections

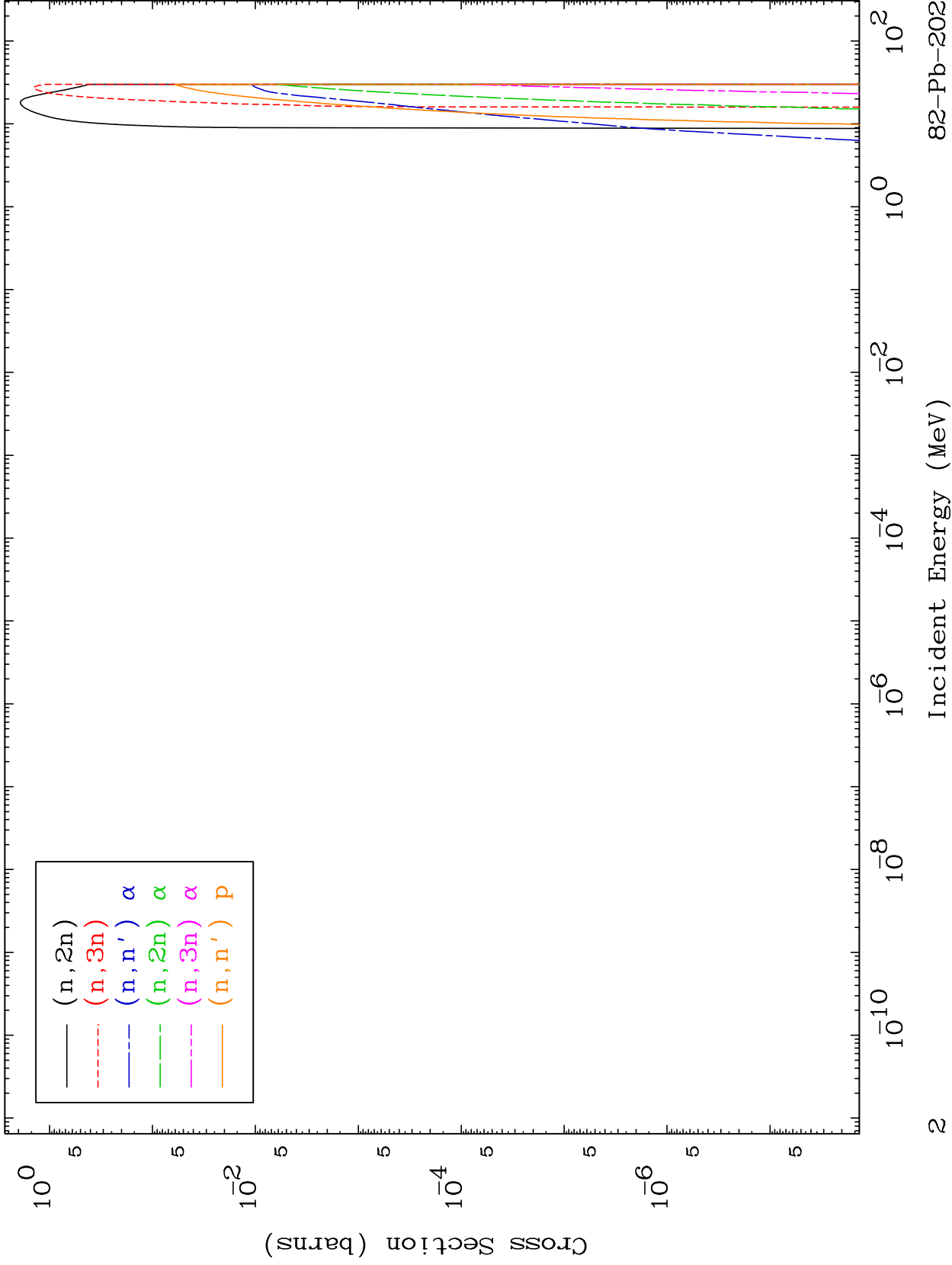
82-Pb-202

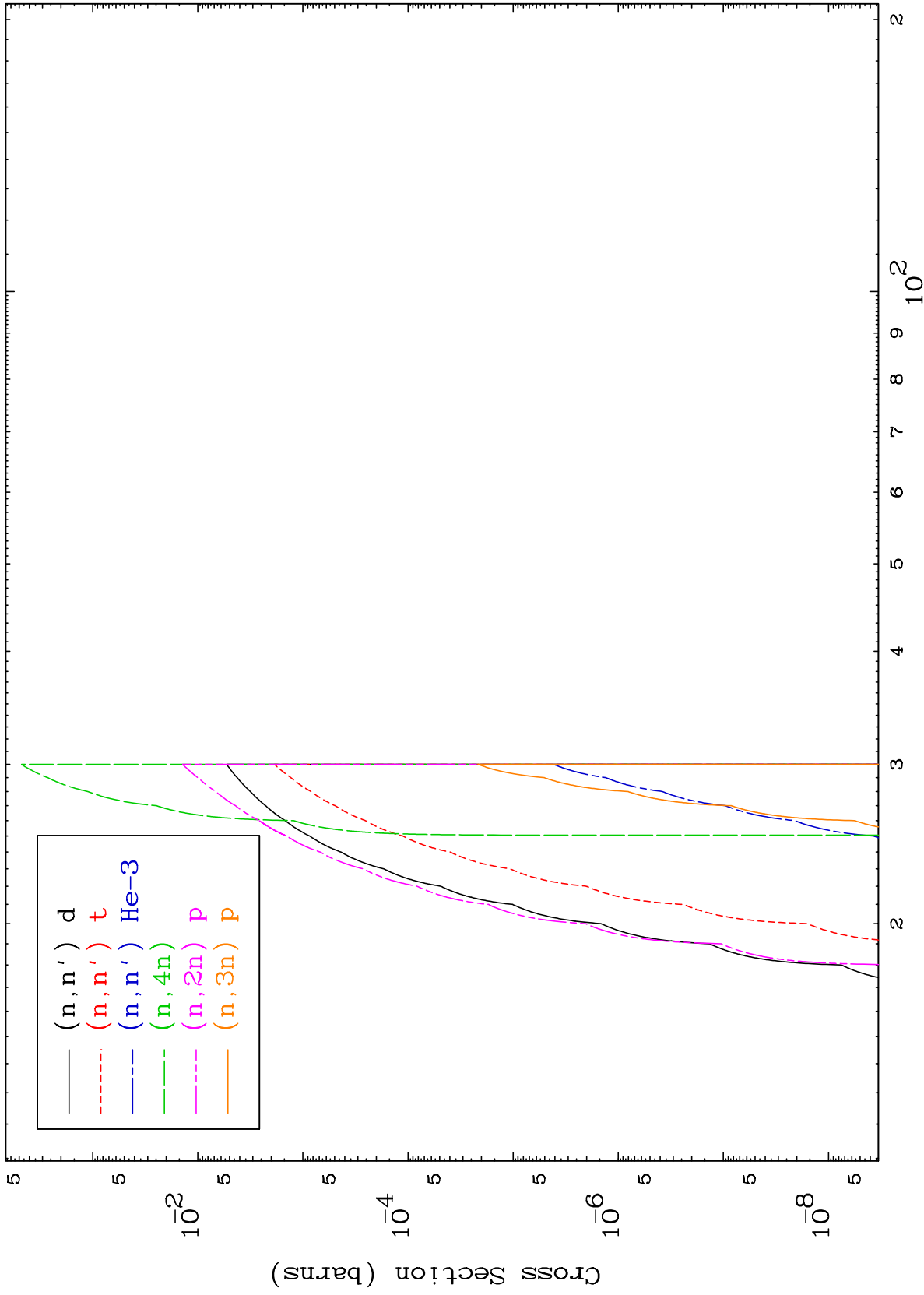


MAT 8219

Neutron Production
293 Kelvin Cross Sections

82-Pb-202

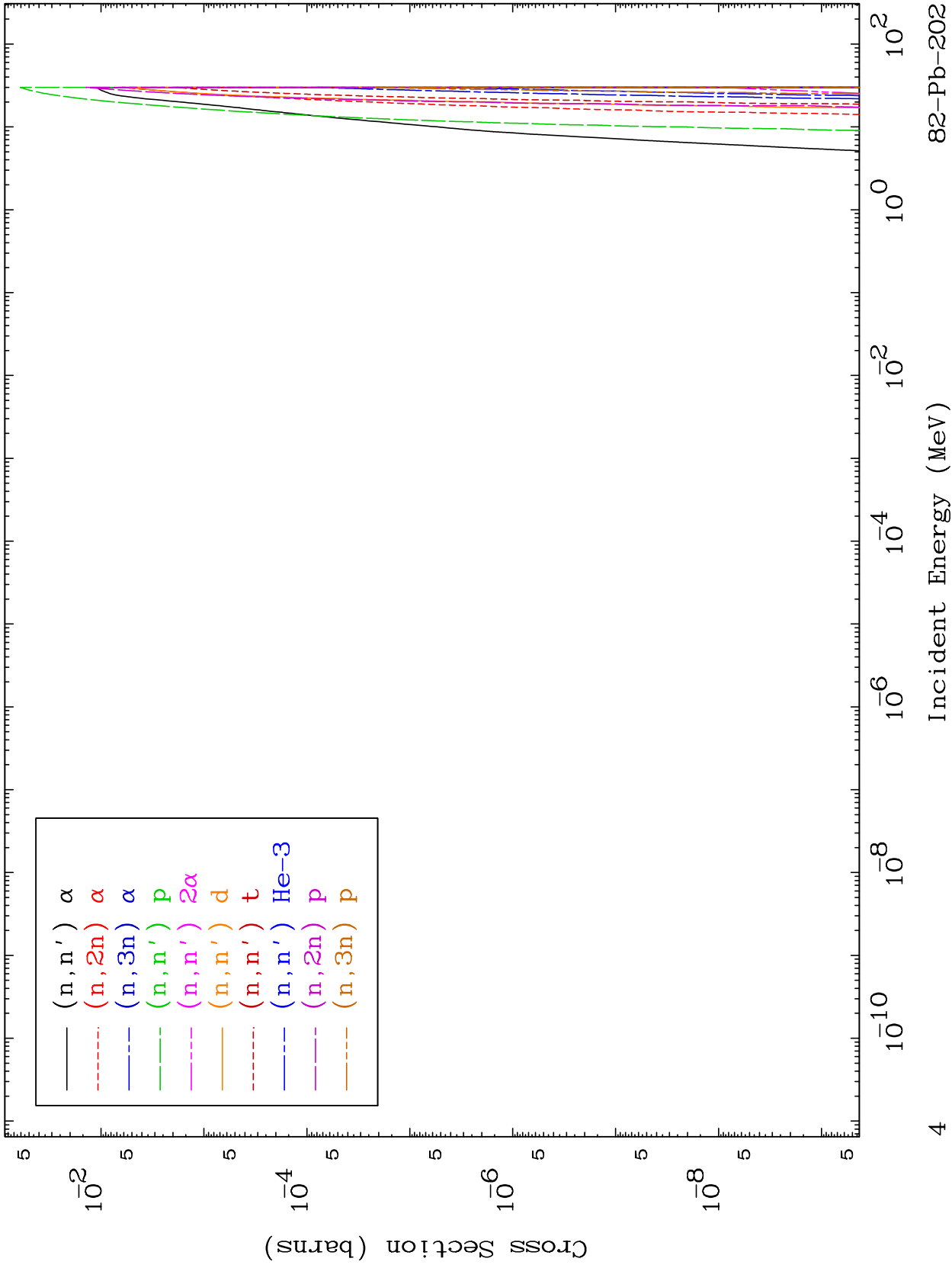




MAT 8219

Charged Particle
293 Kelvin Cross Sections

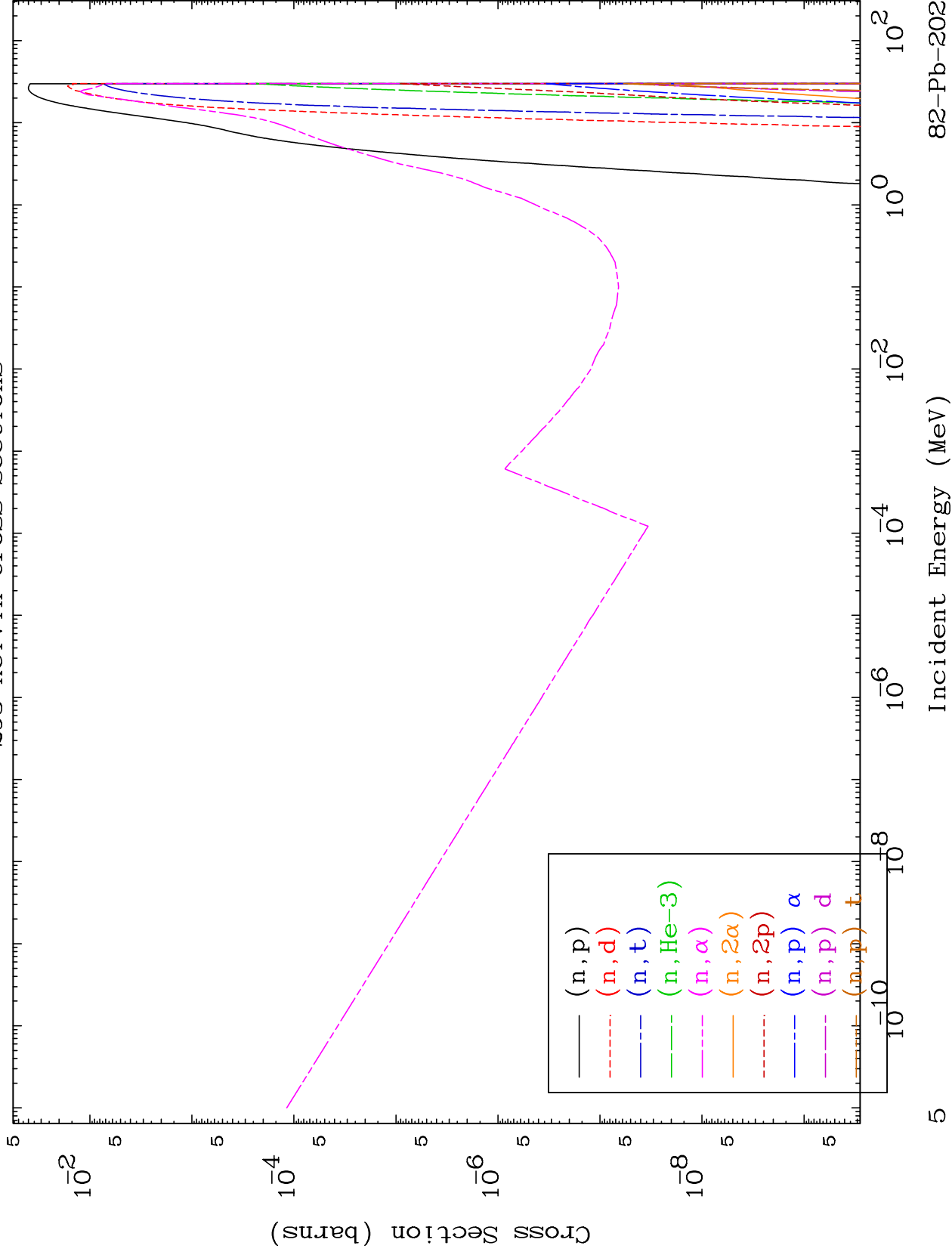
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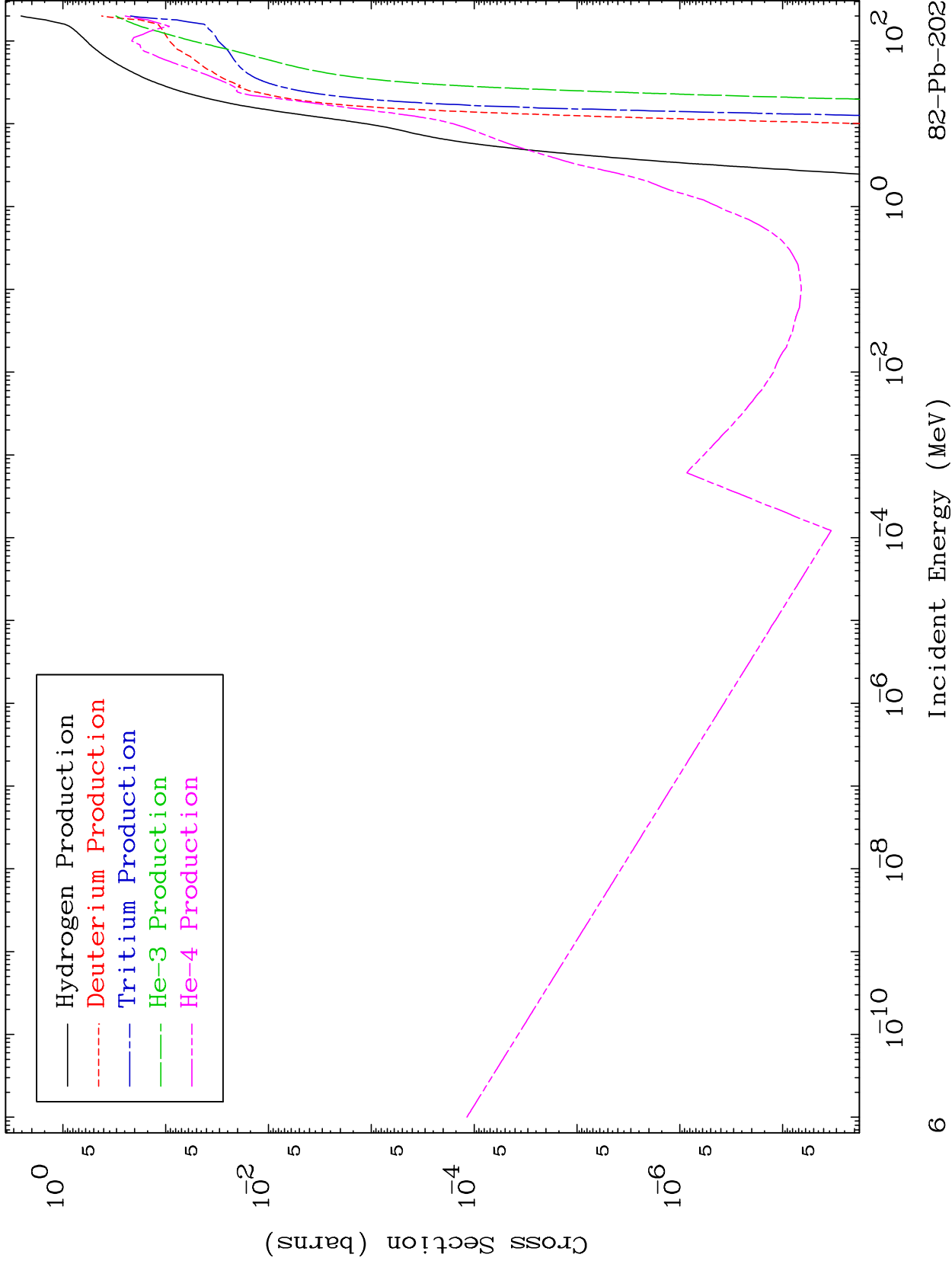


MAT 8219

Charged Particle
293 Kelvin Cross Sections

82-Pb-202



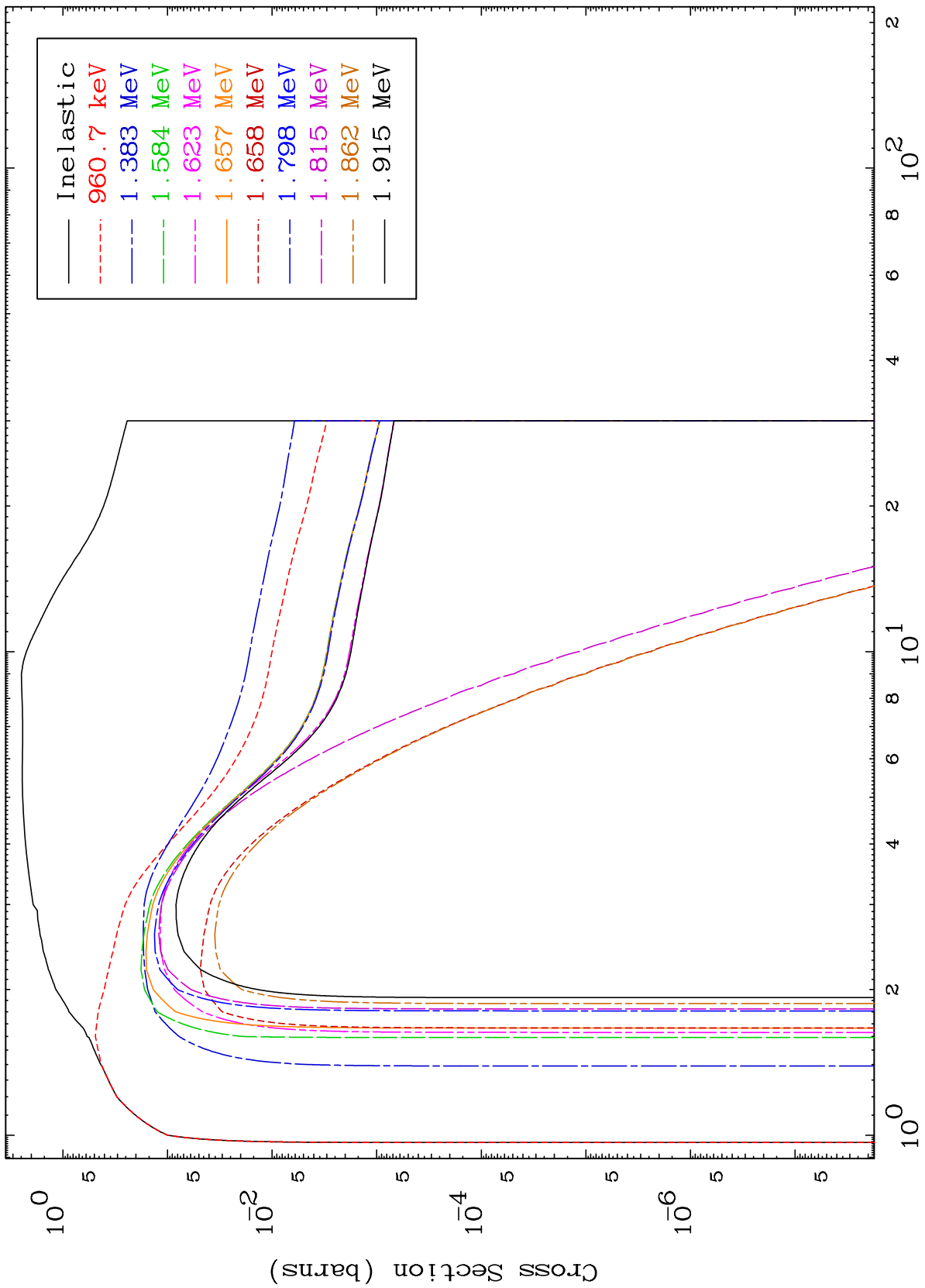


MAT 8219

(n,n') Level

82-Pb-202

293 Kelvin Cross Sections



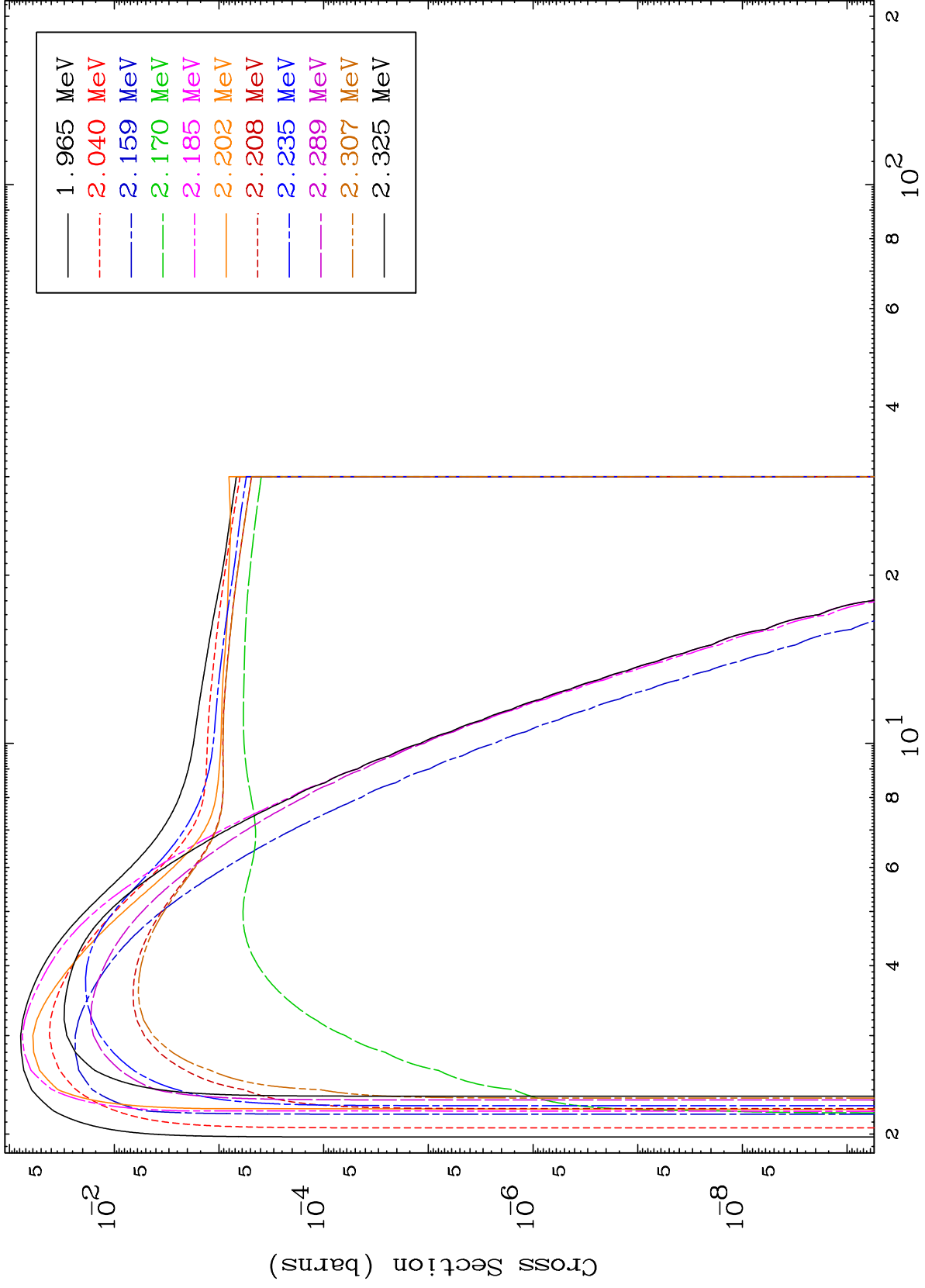
Incident Energy (MeV)

82-Pb-202

MAT 8219

(n,n') Level
293 Kelvin Cross Sections

82-Pb-202

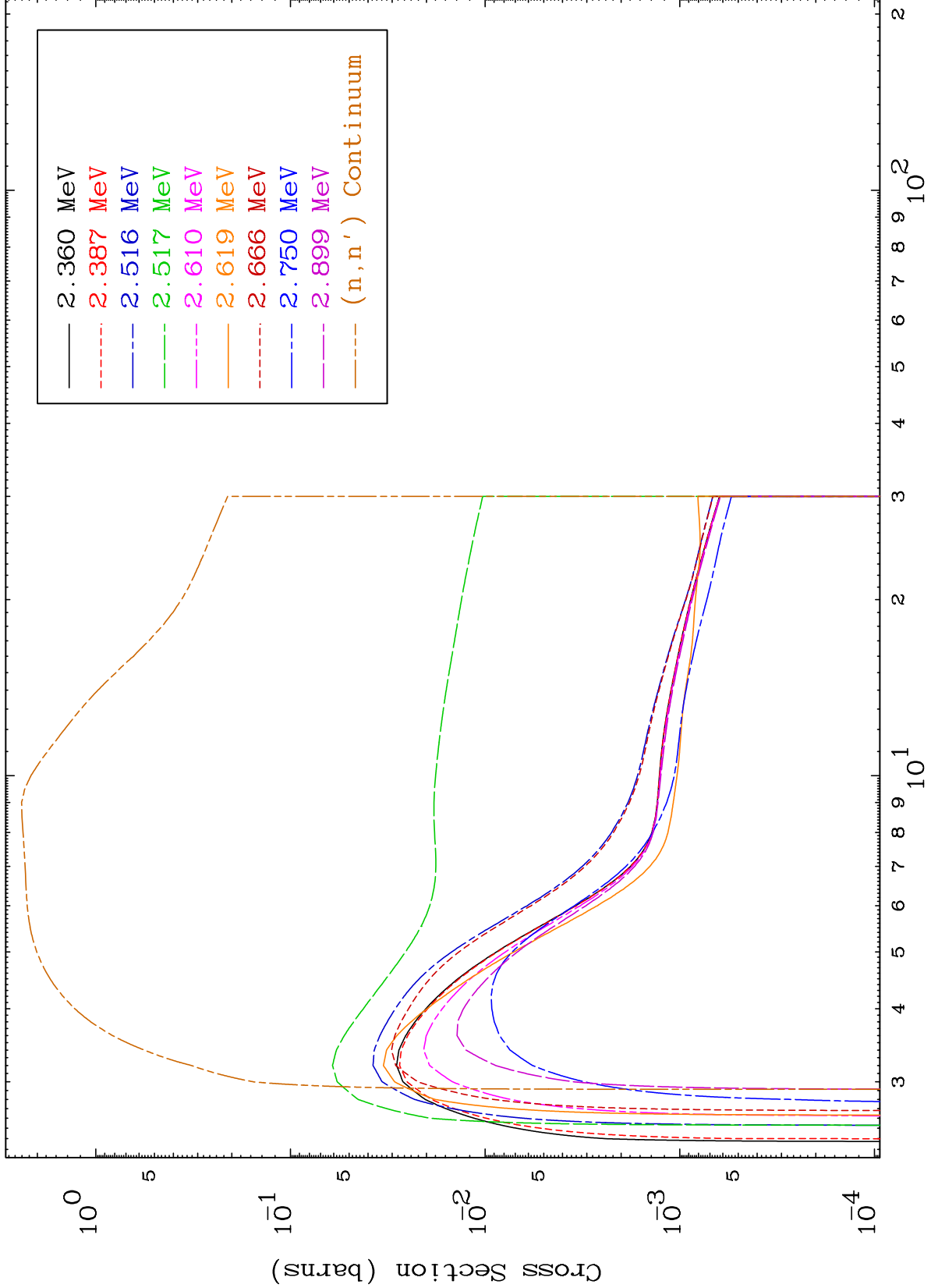


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Incident Energy (MeV)

82-Pb-202

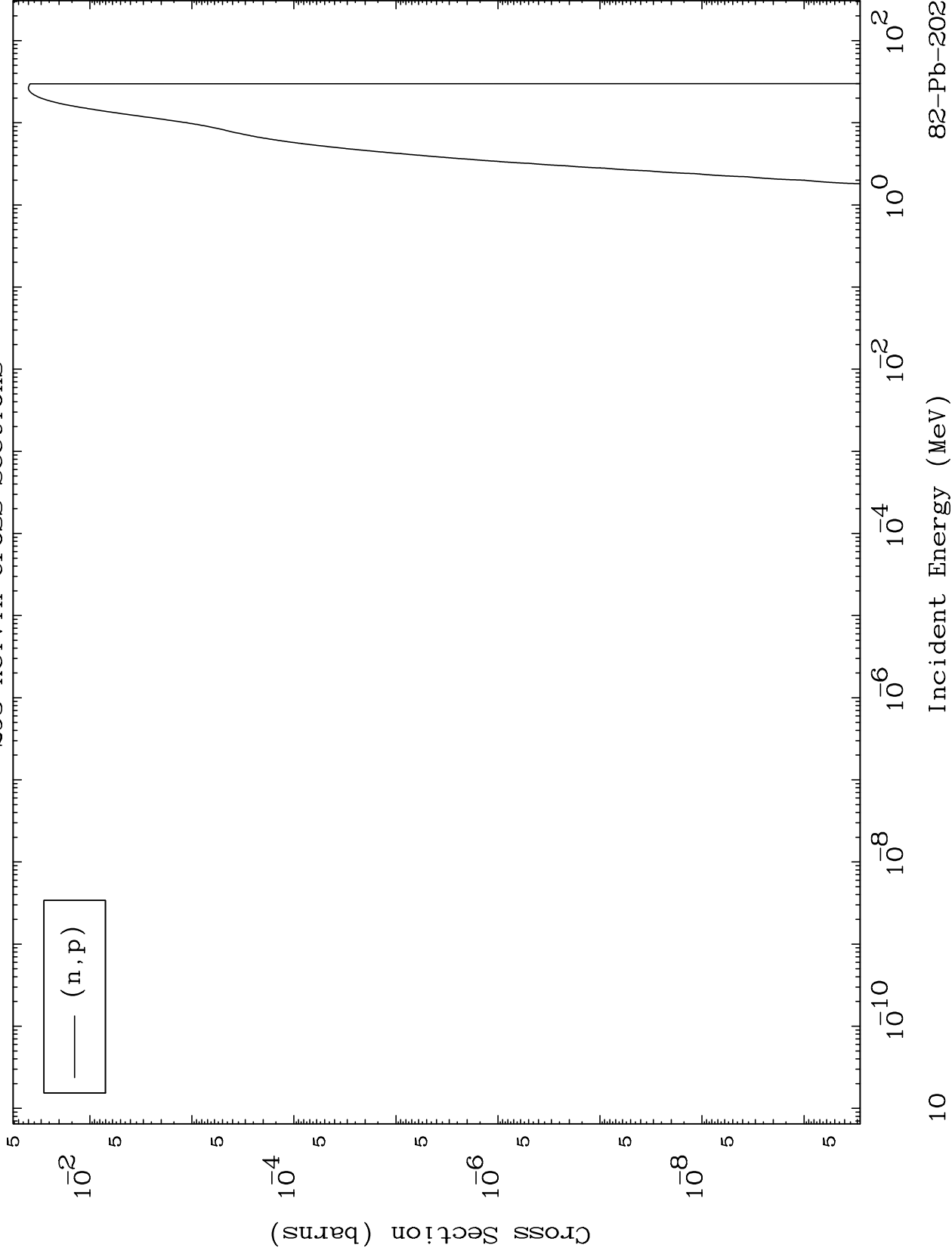
293 Kelvin Cross Sections



MAT 8219

(n,p) Levels
293 Kelvin Cross Sections

82-Pb-202



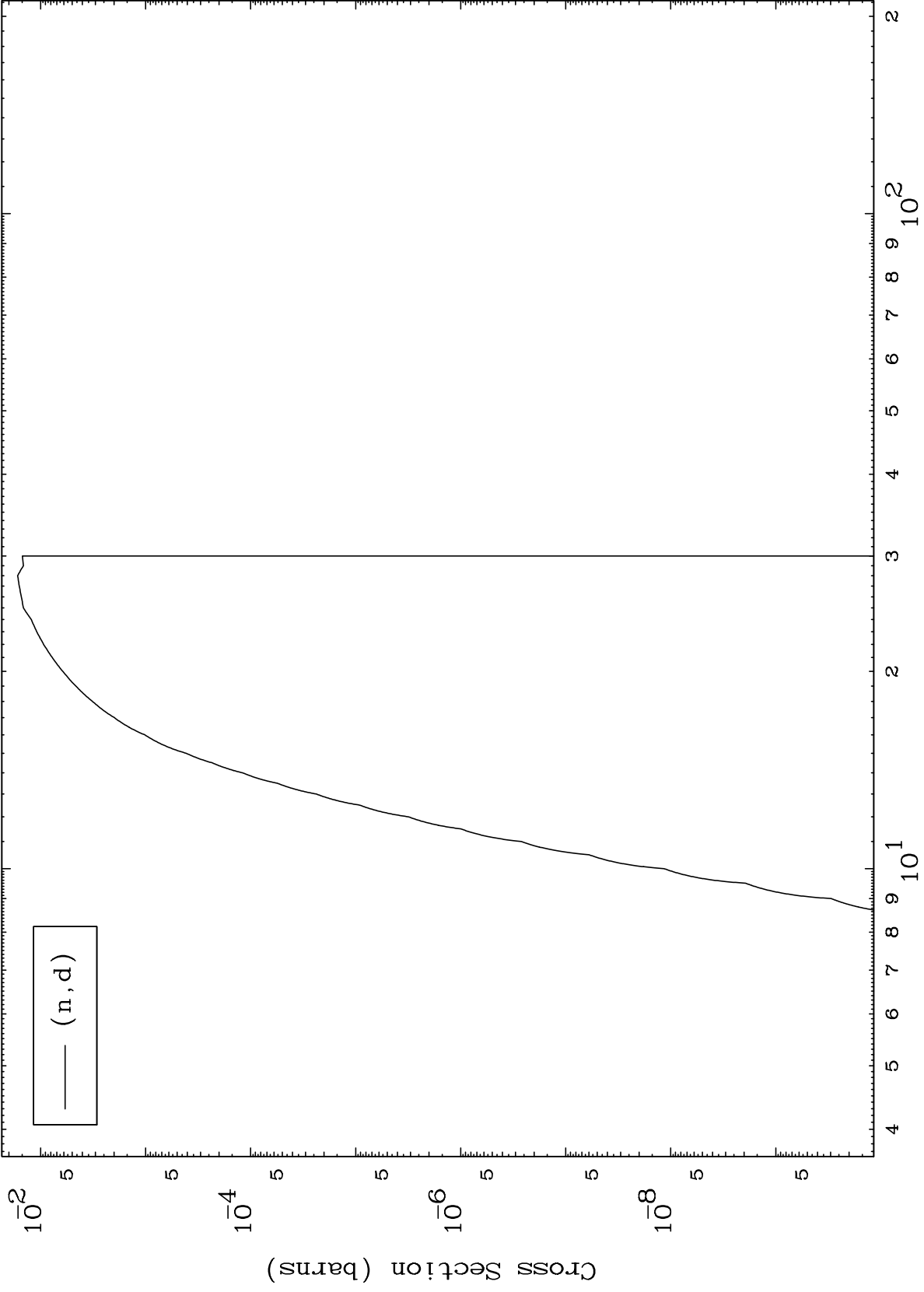
10

82-Pb-202

MAT 8219

(n,d) Levels
293 Kelvin Cross Sections

82-Pb-202



11

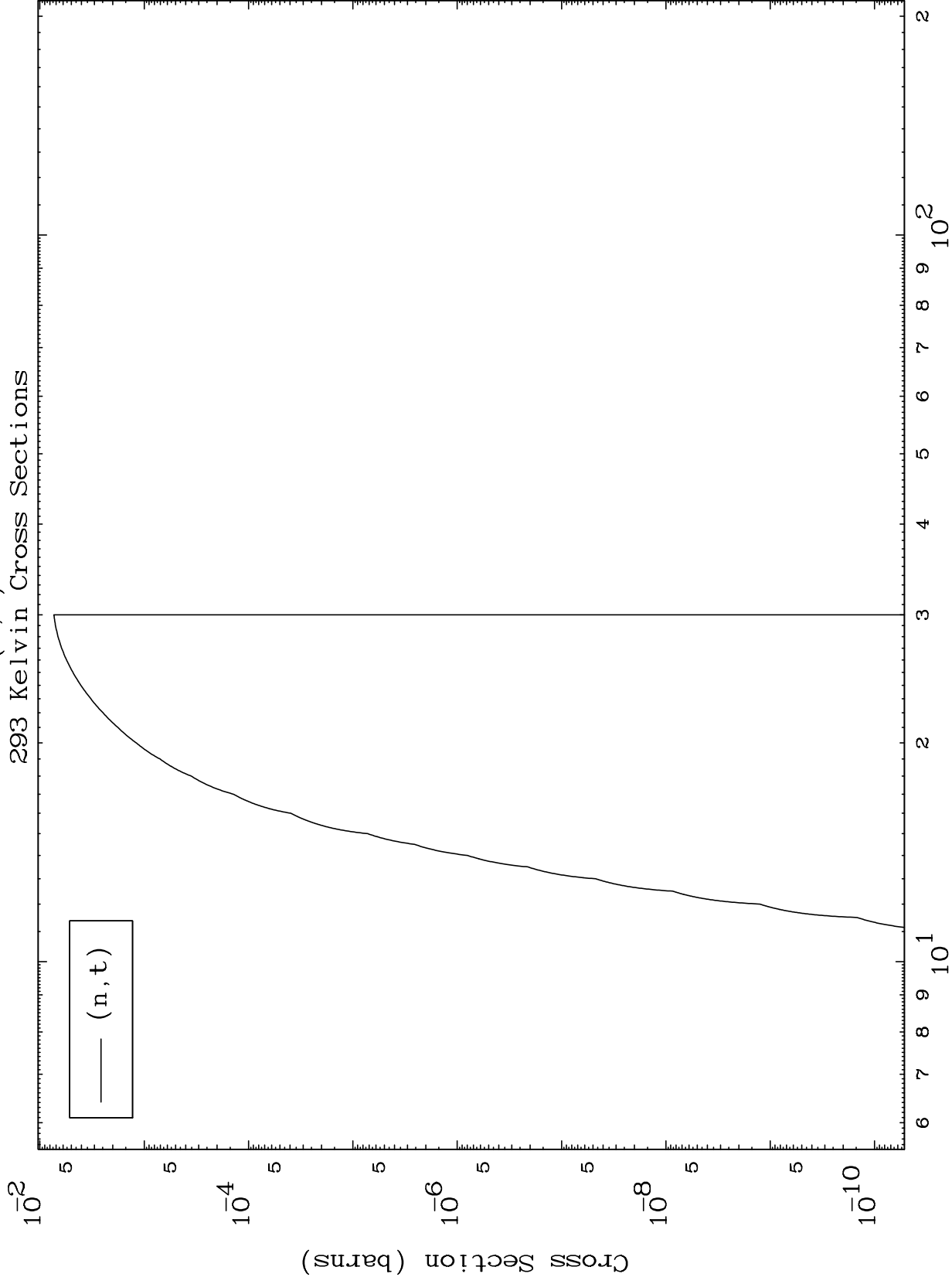
Incident Energy (MeV)

82-Pb-202

MAT 8219

(n,t) Levels
293 Kelvin Cross Sections

82-Pb-202



12

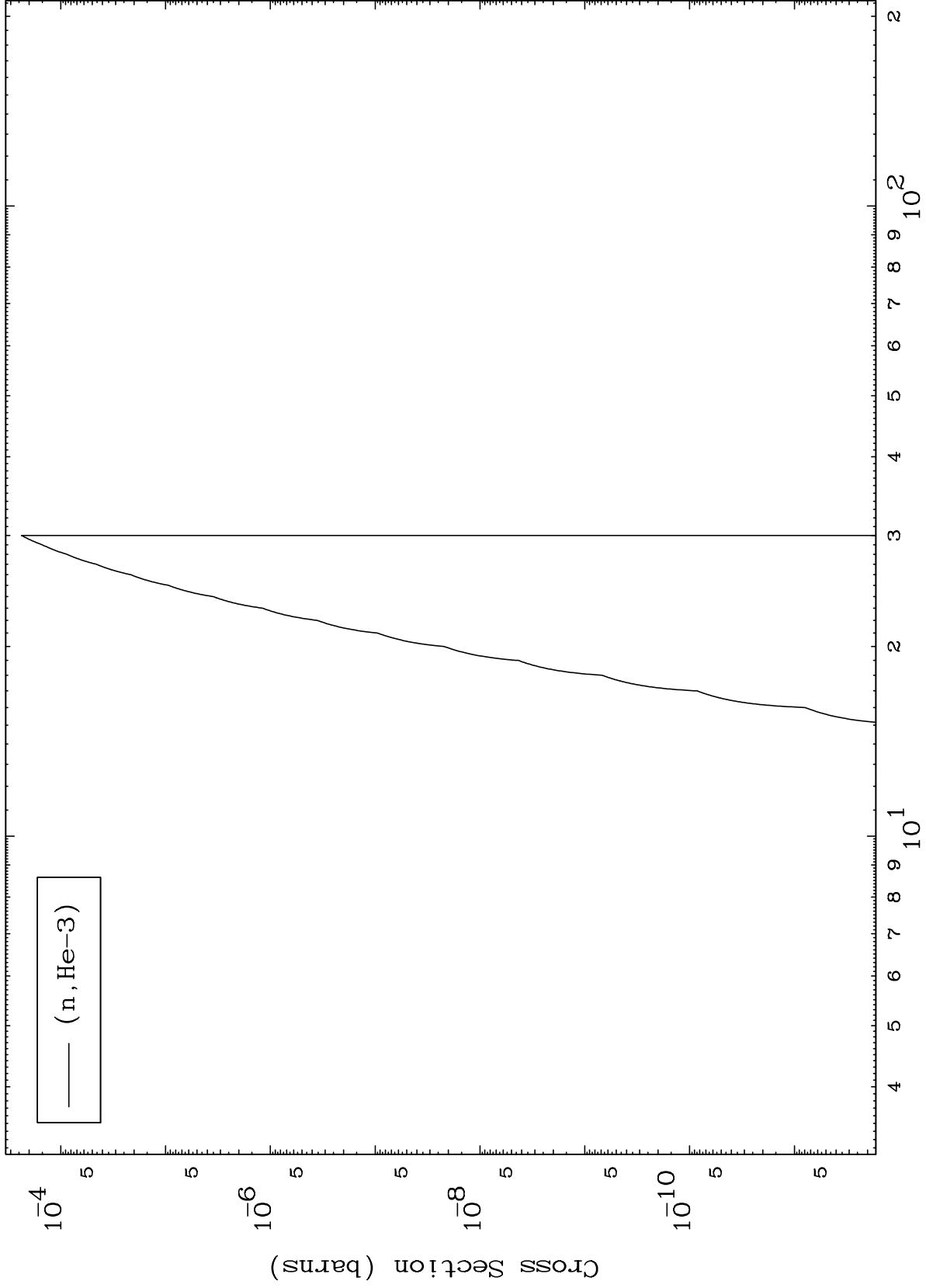
Incident Energy (MeV)

82-Pb-202

MAT 8219

(n,He3) Levels
293 Kelvin Cross Sections

82-Pb-202



13

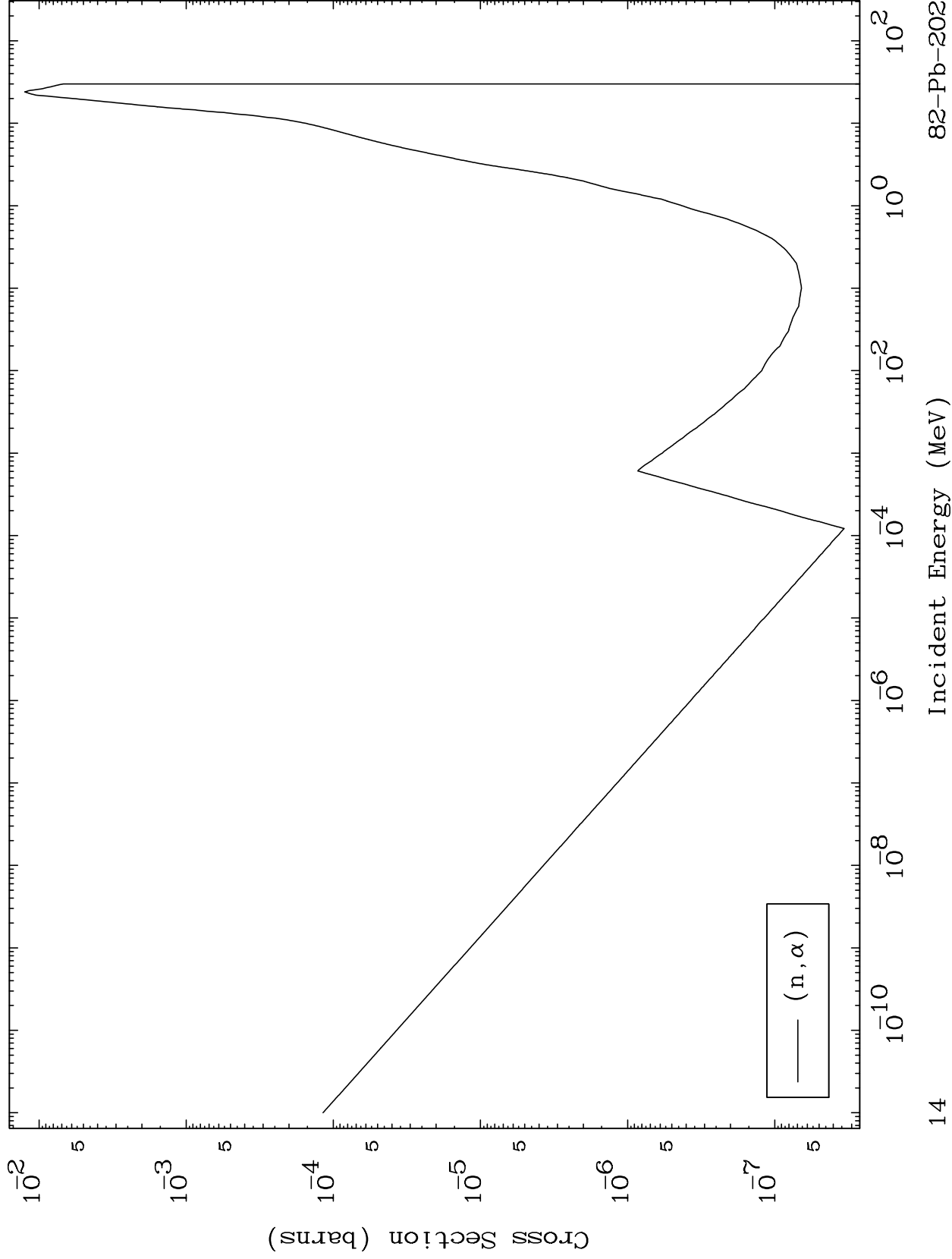
Incident Energy (MeV)

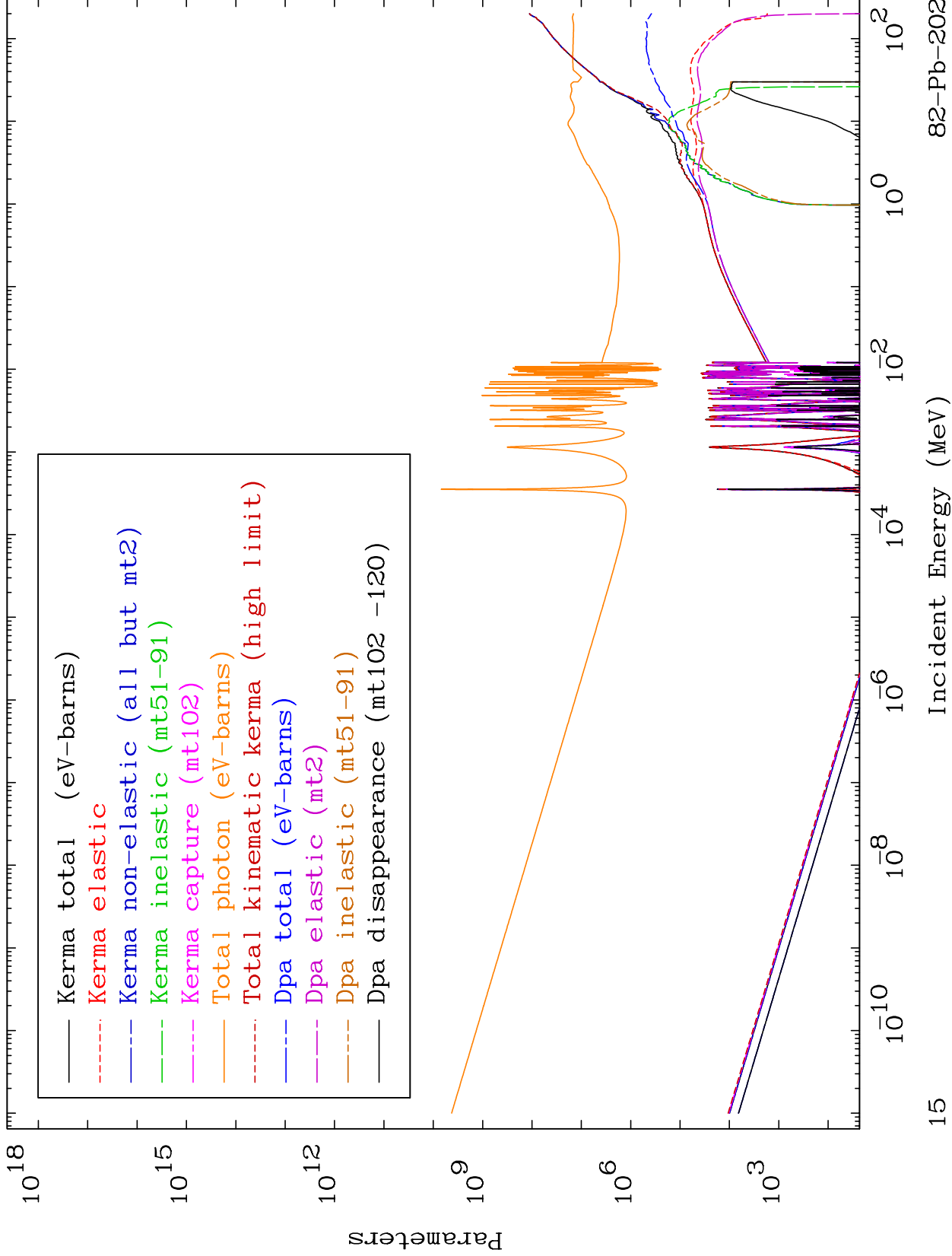
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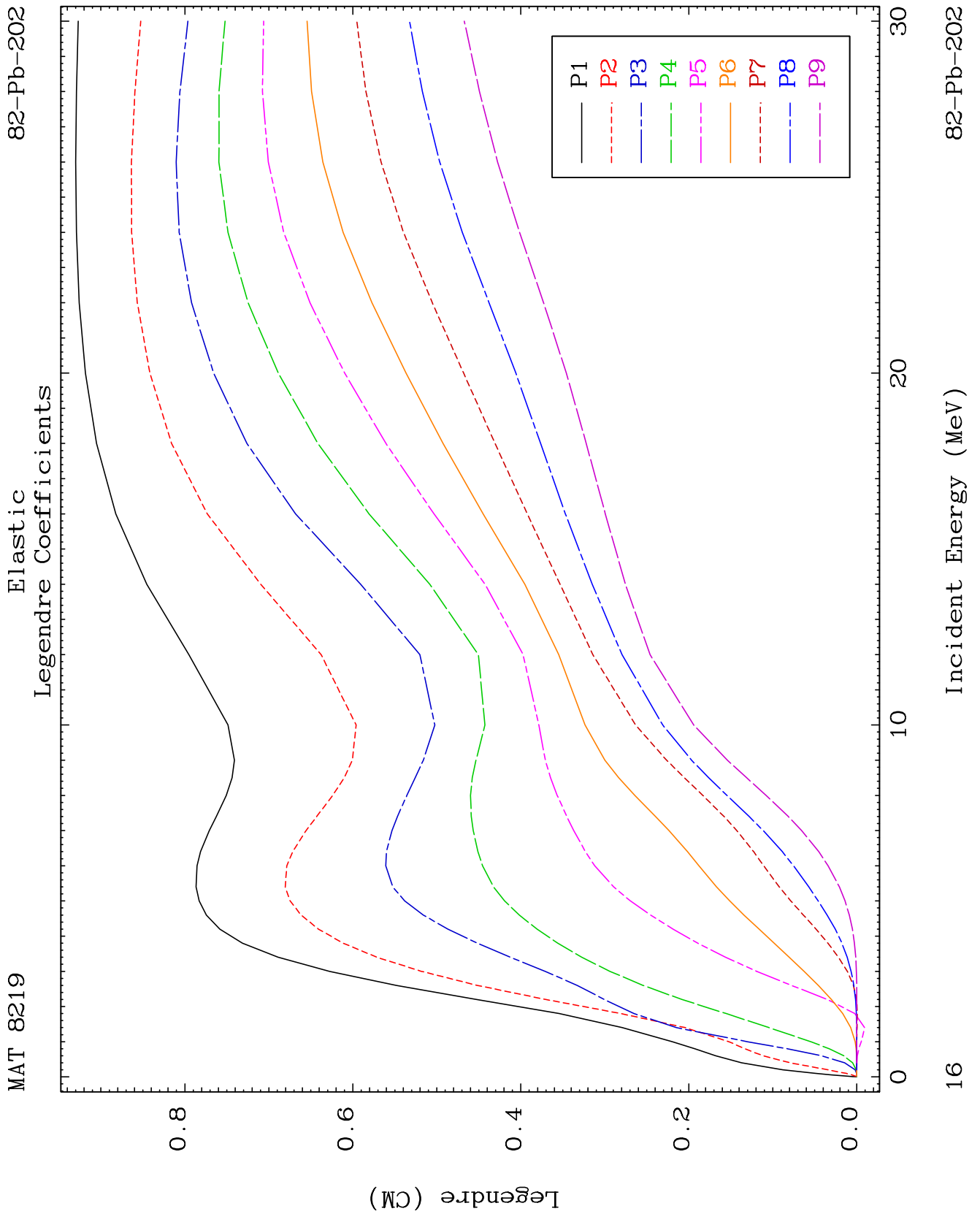
MAT 8219

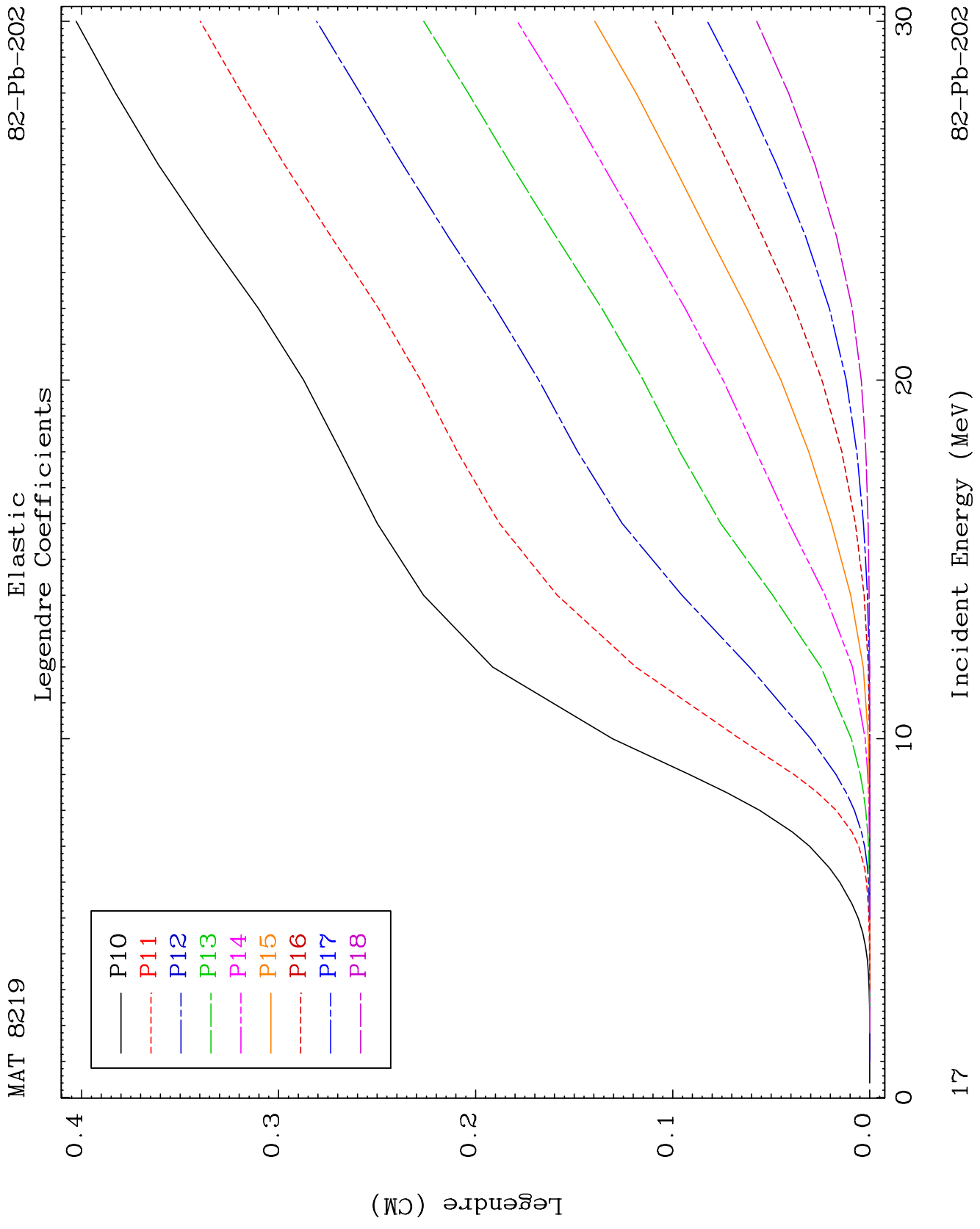
(n, α) Levels
293 Kelvin Cross Sections

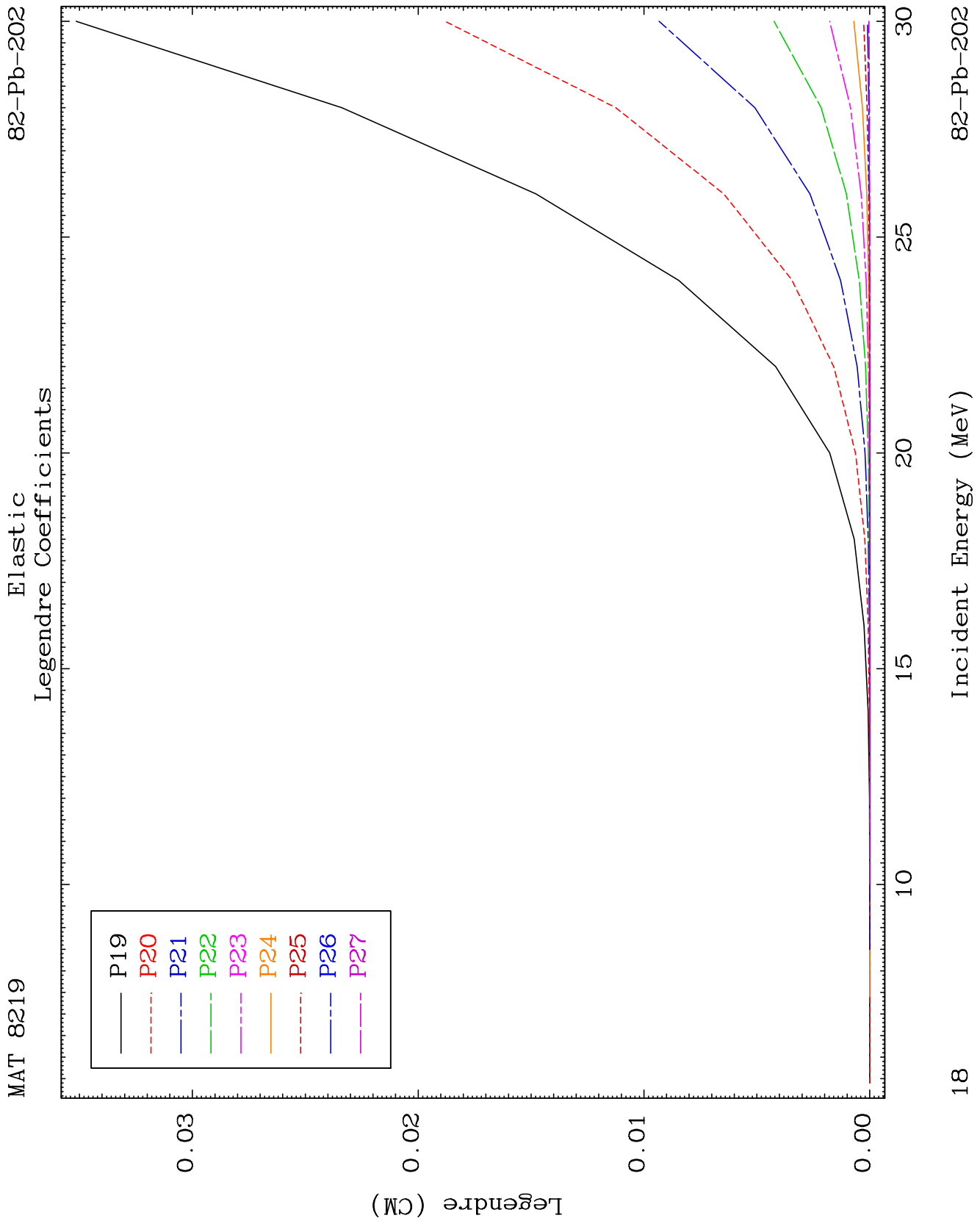
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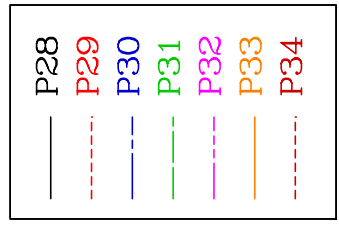




MAT 8219

Elastic Legendre Coefficients

82-Pb-202



$\times 10^{-5}$

Legendre (CM)

1.0

0.8

0.6

0.4

0.2

0.0

15

20

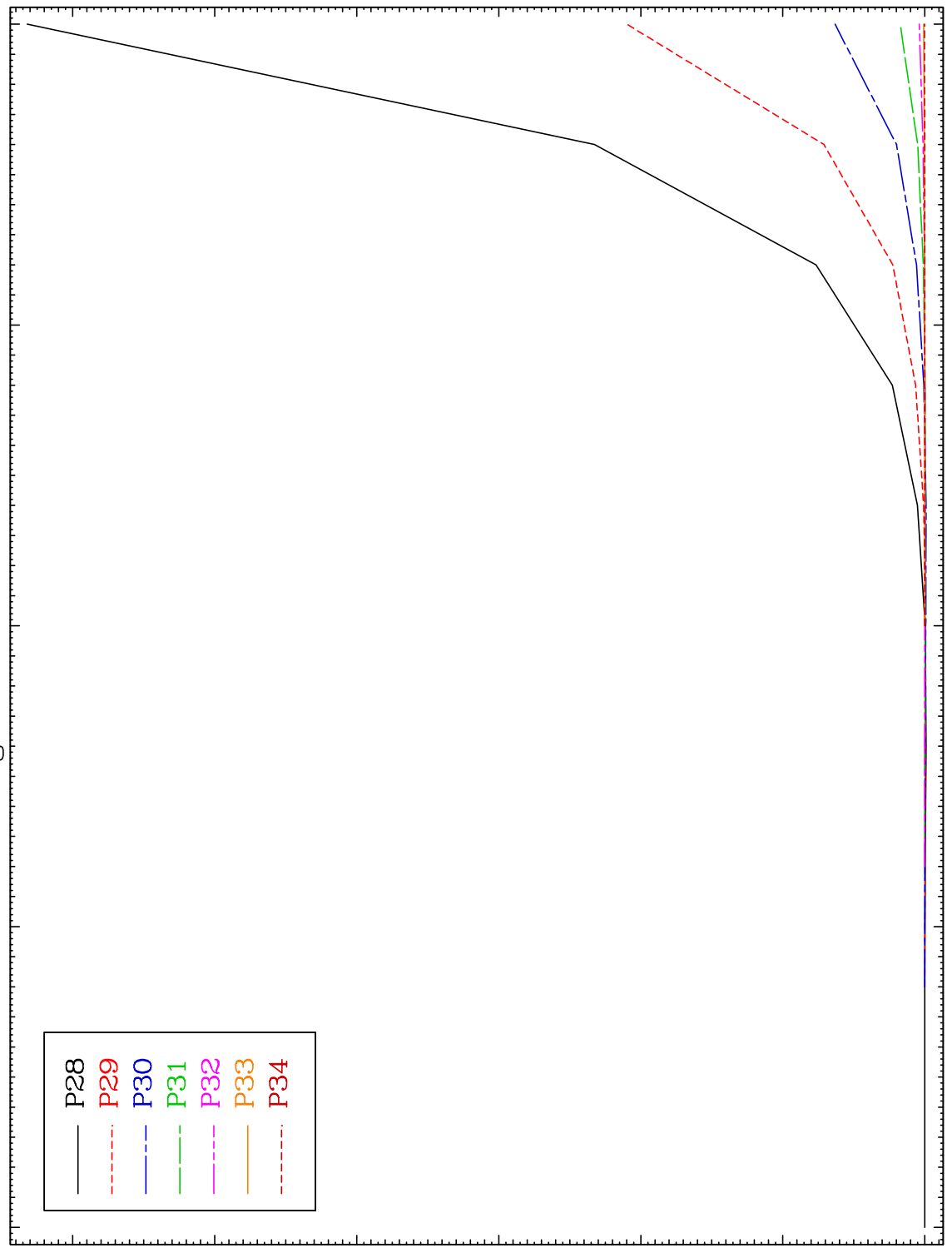
25

30

19

Incident Energy (MeV)

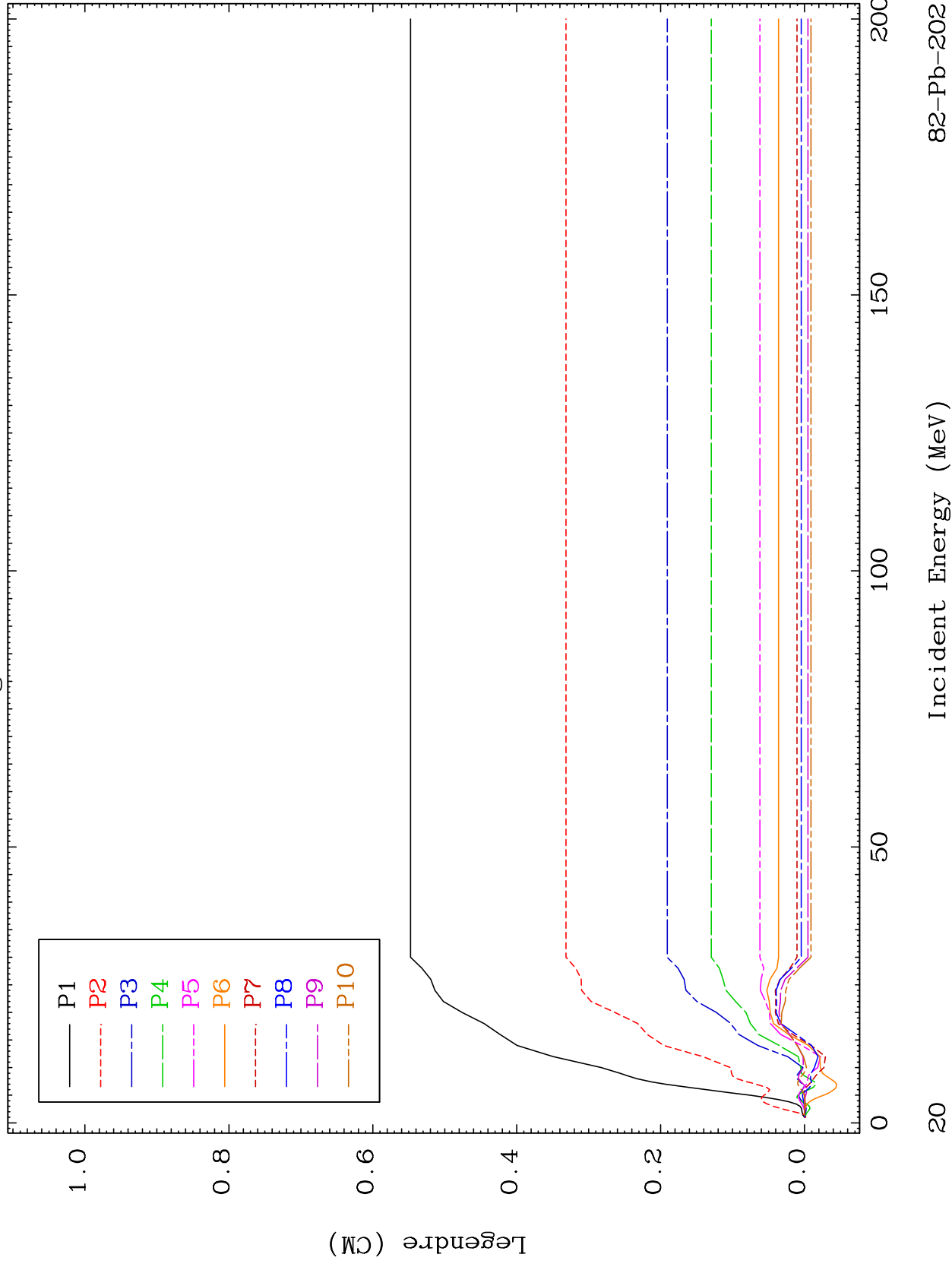
82-Pb-202



MAT 8219

960.7 keV (n,n') Level
Legendre Coefficients

82-Pb-202



82-Pb-202

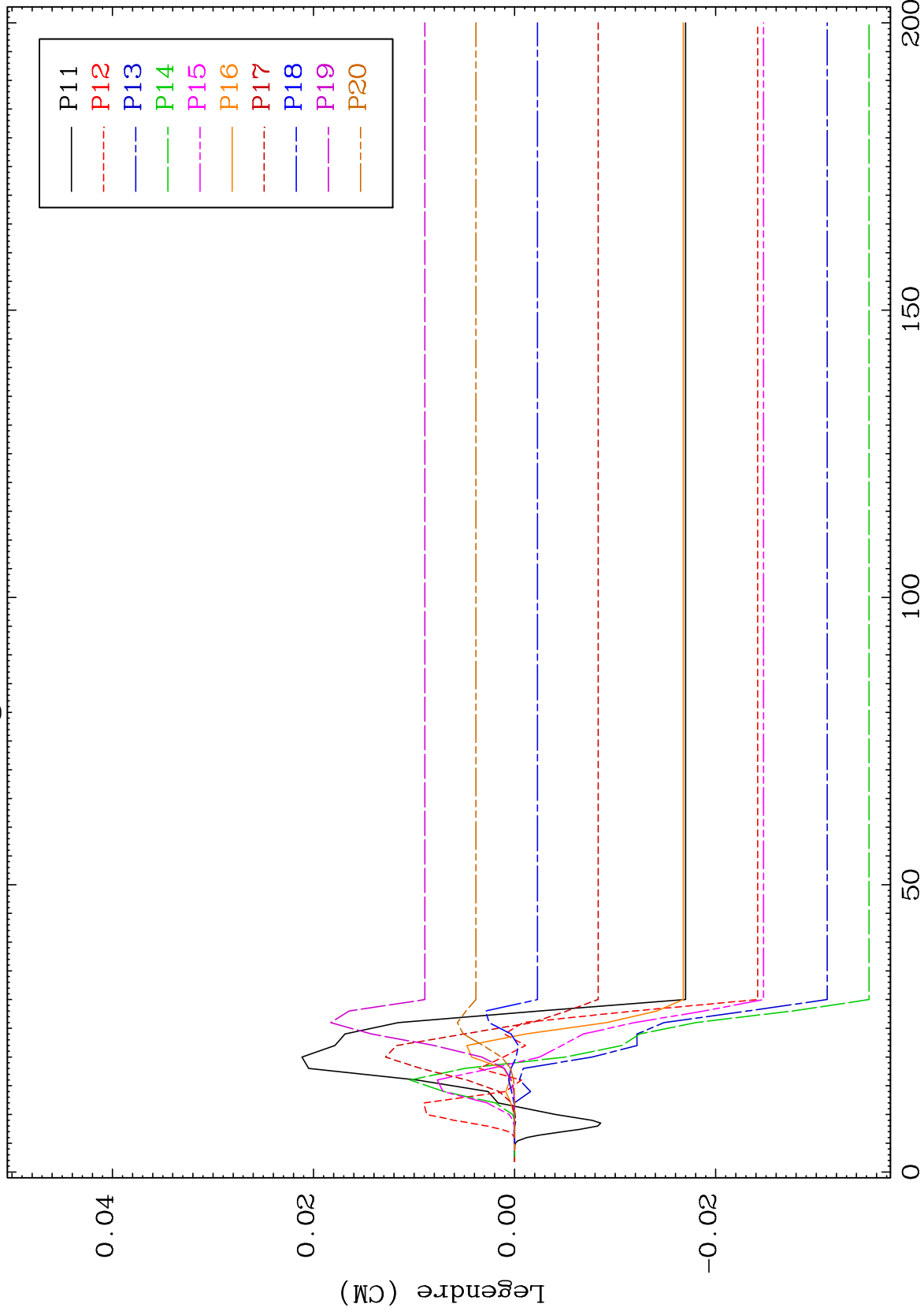
Incident Energy (MeV)

0

MAT 8219

960.7 keV (n,n') Level
Legendre Coefficients

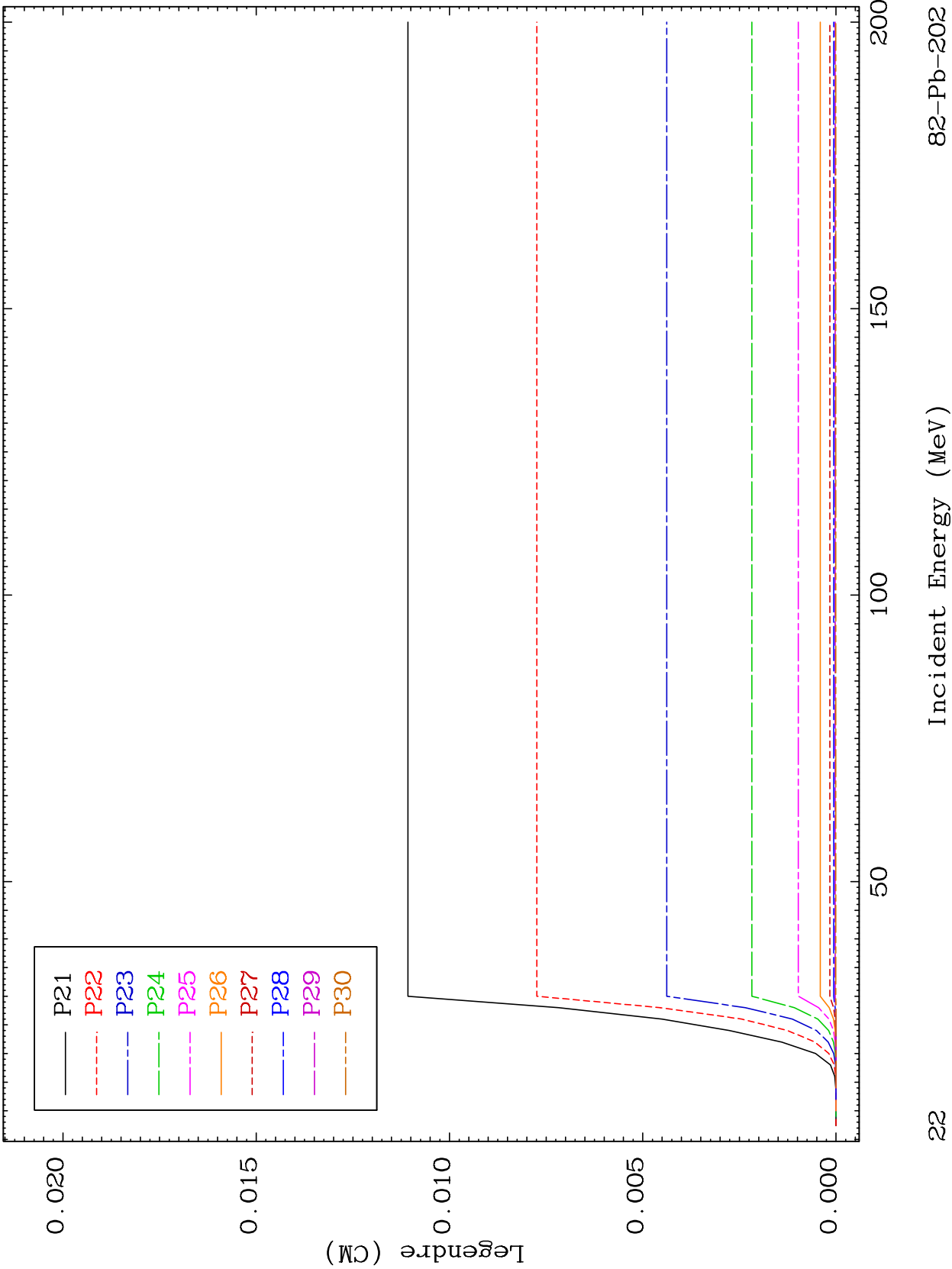
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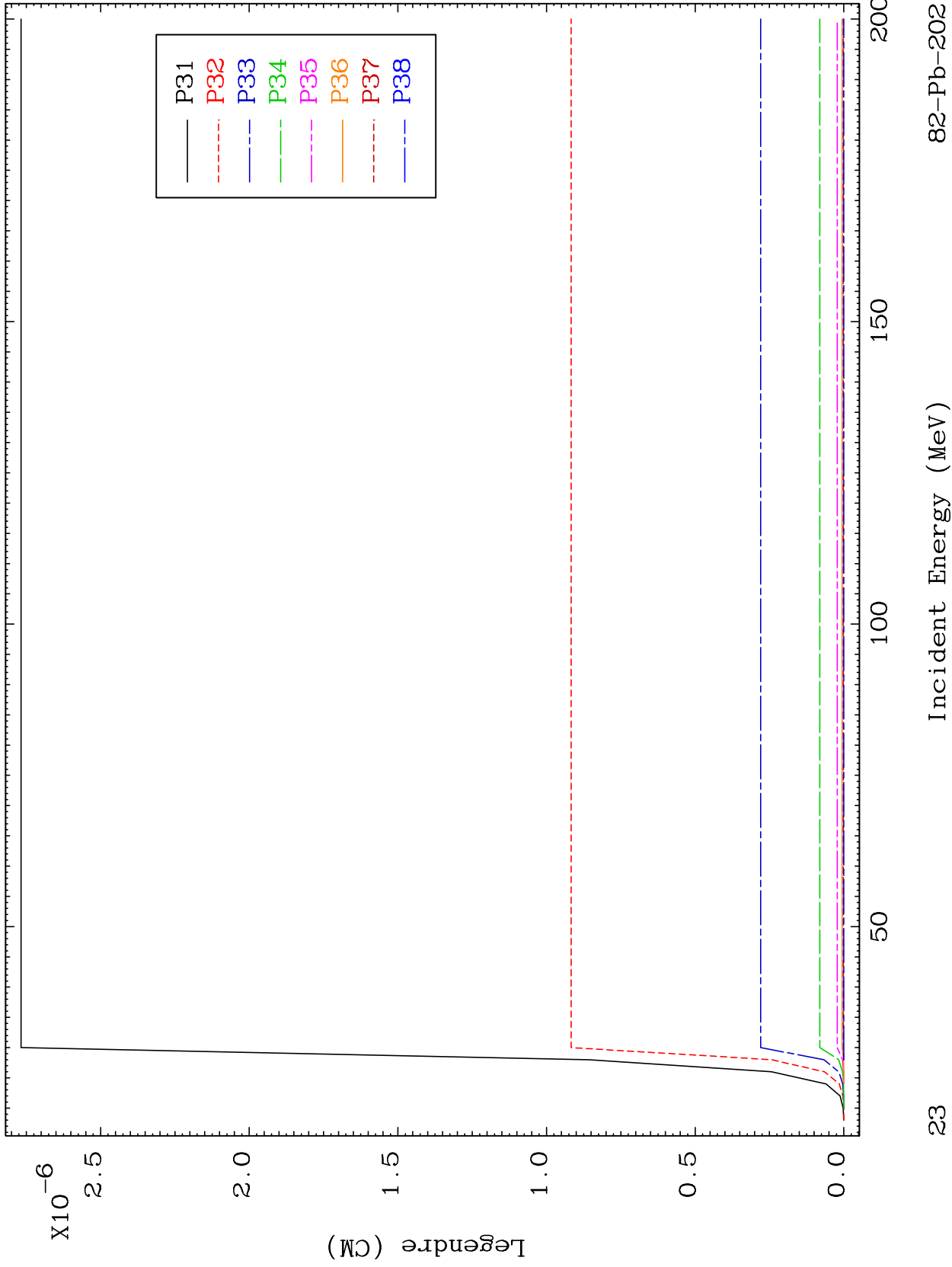


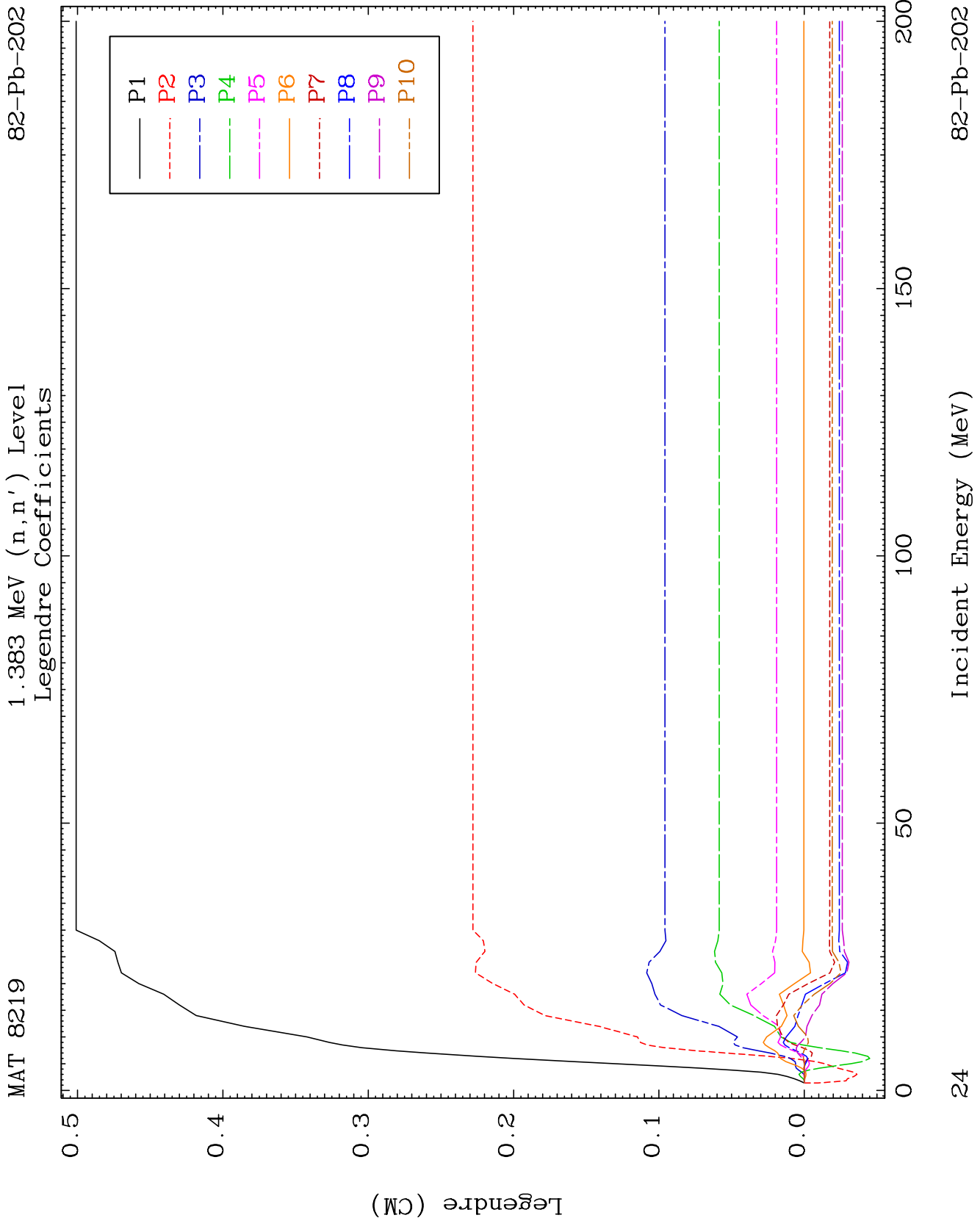
21

Incident Energy (MeV)

82-Pb-202



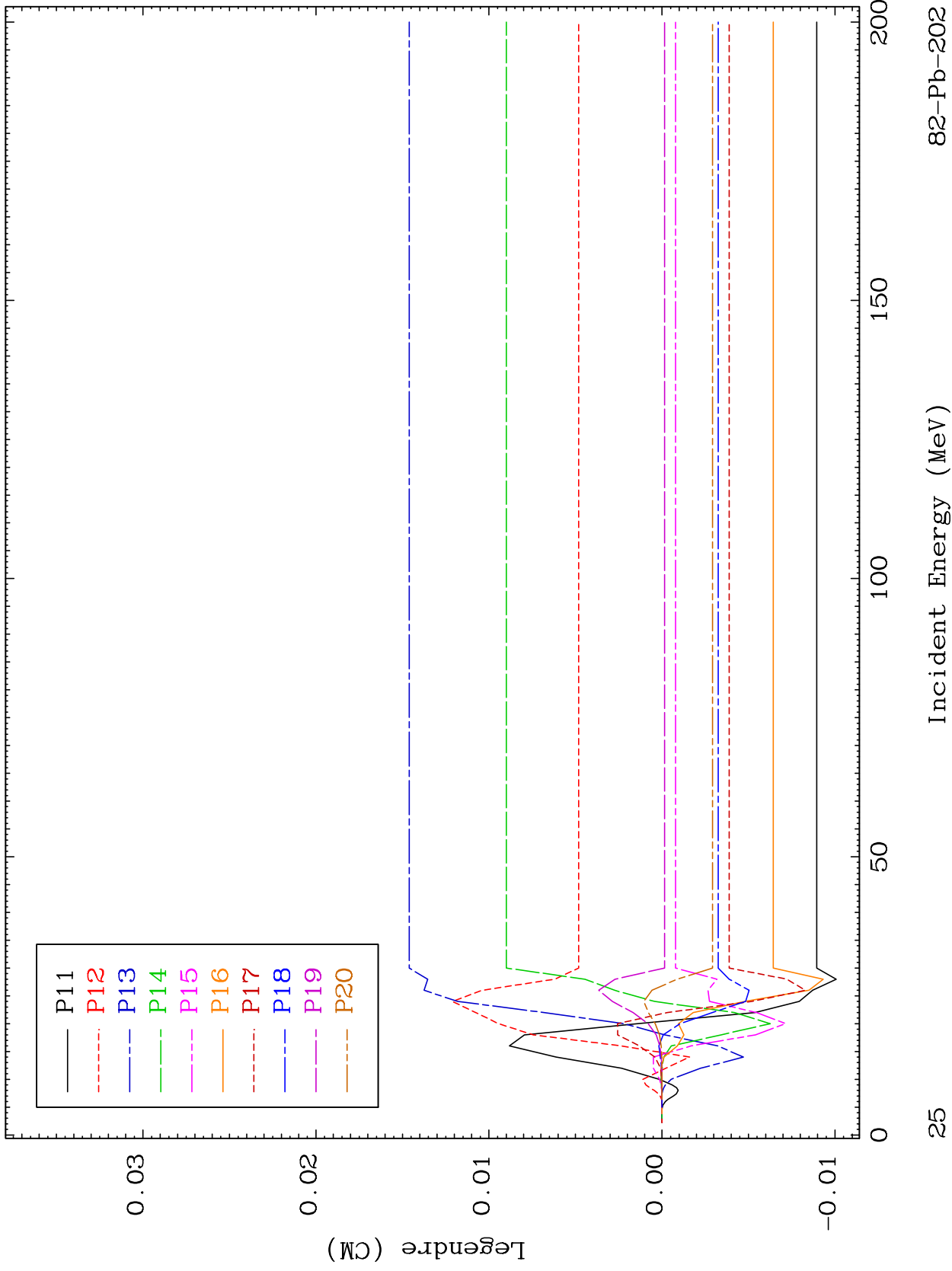




MAT 8219

1.383 MeV (n,n') Level
Legendre Coefficients

82-Pb-202



82-Pb-202

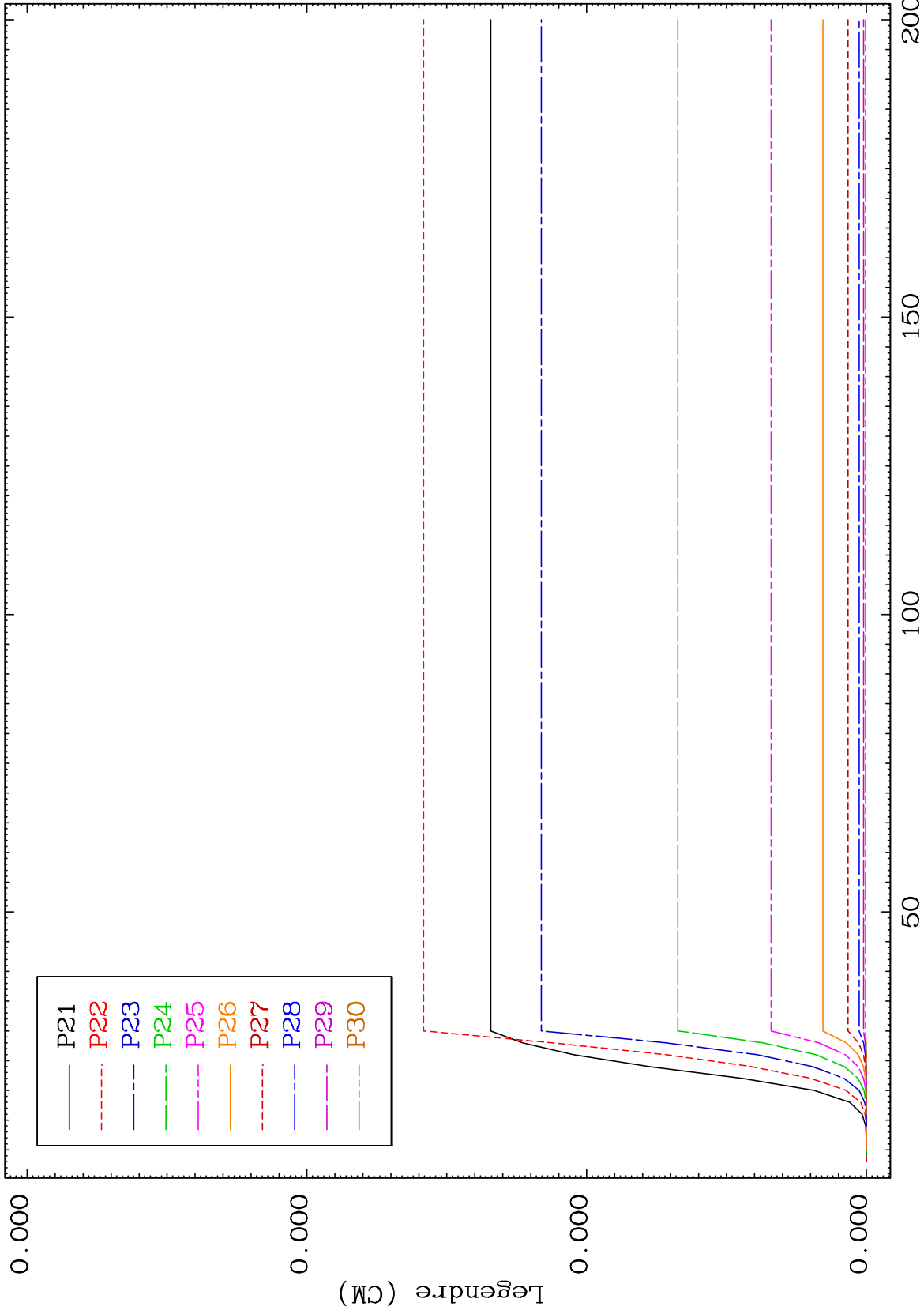
Incident Energy (MeV)

25

MAT 8219

1.383 MeV (n,n') Level
Legendre Coefficients

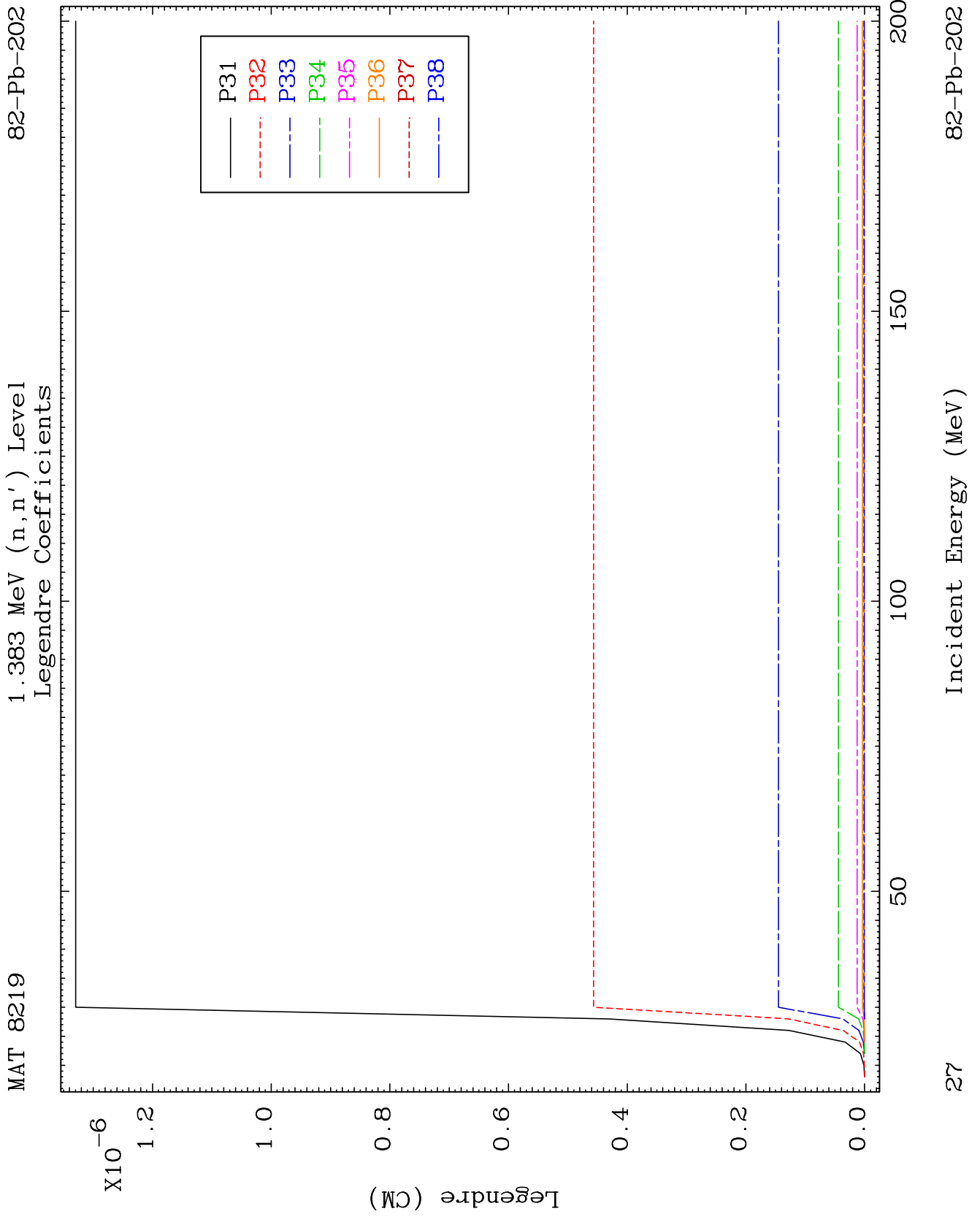
82-Pb-202



26

Incident Energy (MeV)

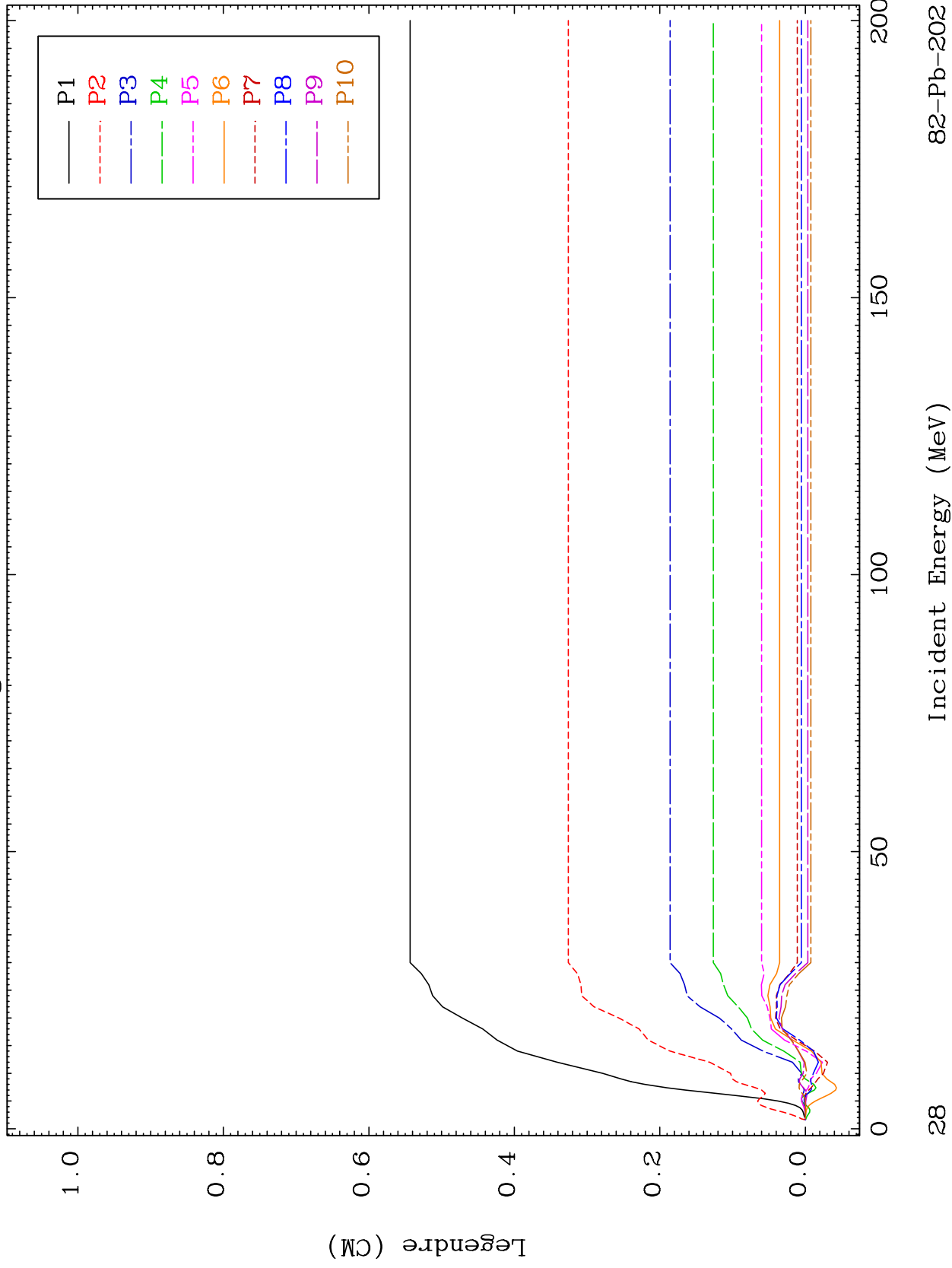
82-Pb-202



MAT 8219

1.584 MeV (n,n') Level
Legendre Coefficients

82-Pb-202



82-Pb-202

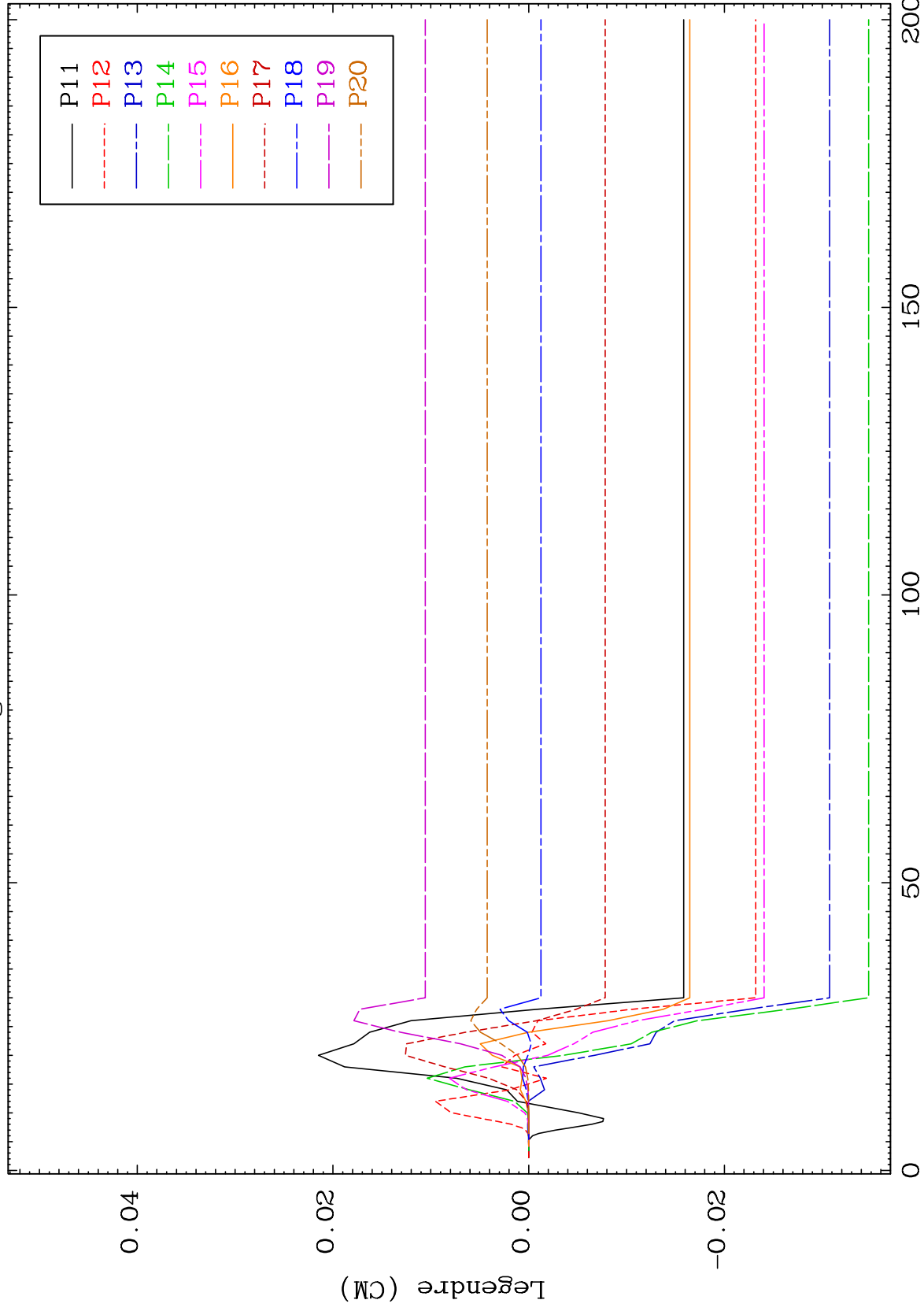
Incident Energy (MeV)

28

MAT 8219

1.584 MeV (n,n') Level
Legendre Coefficients

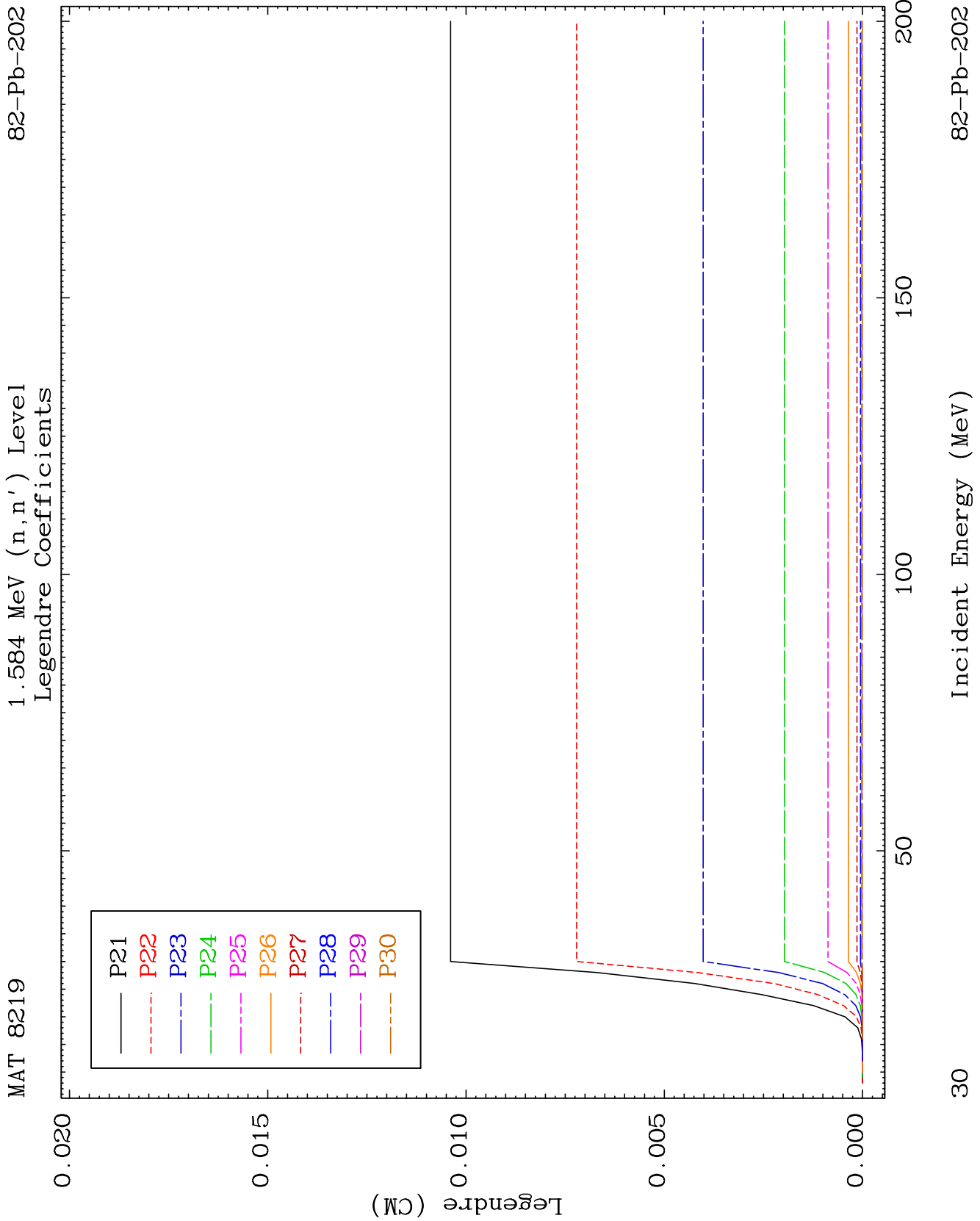
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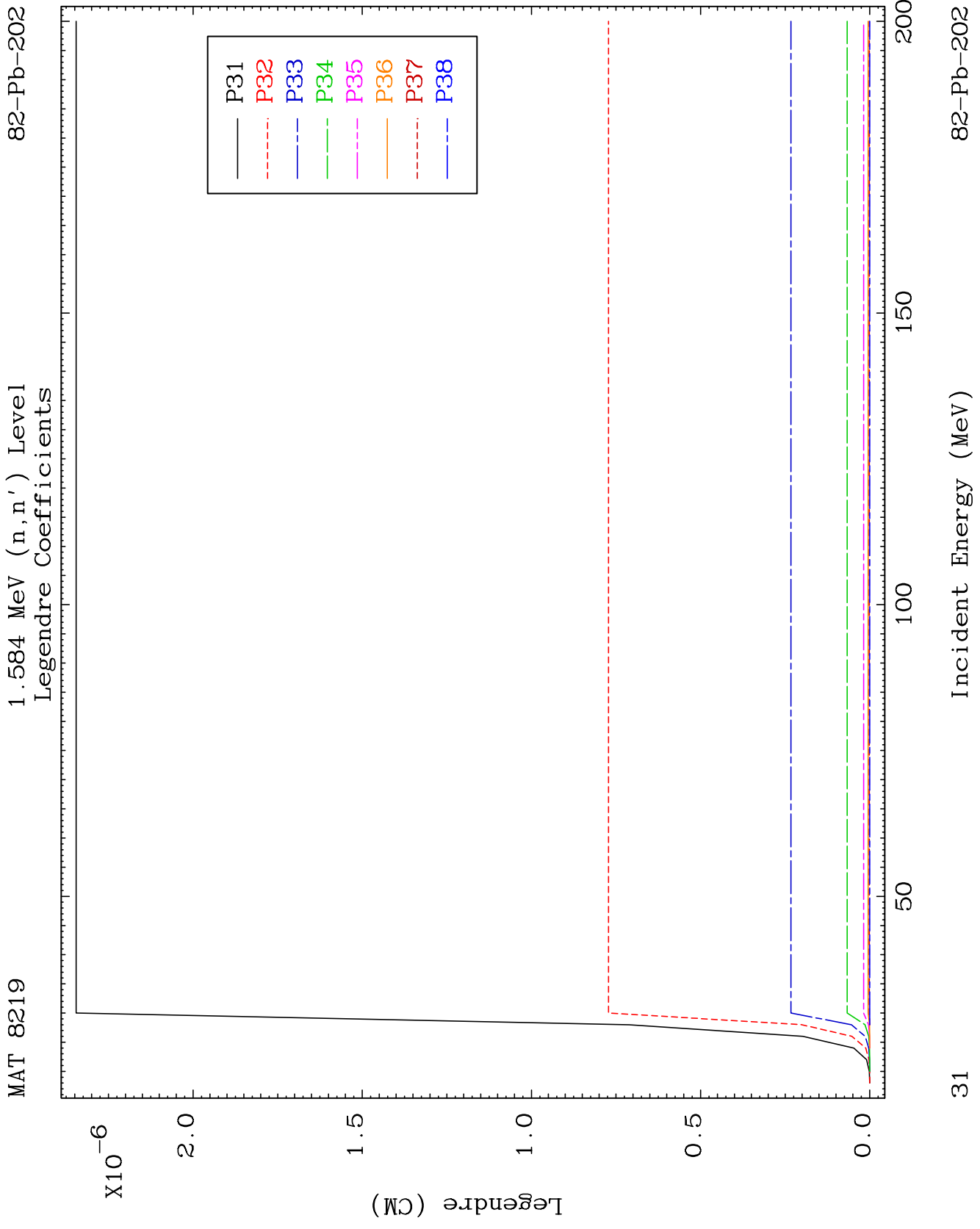


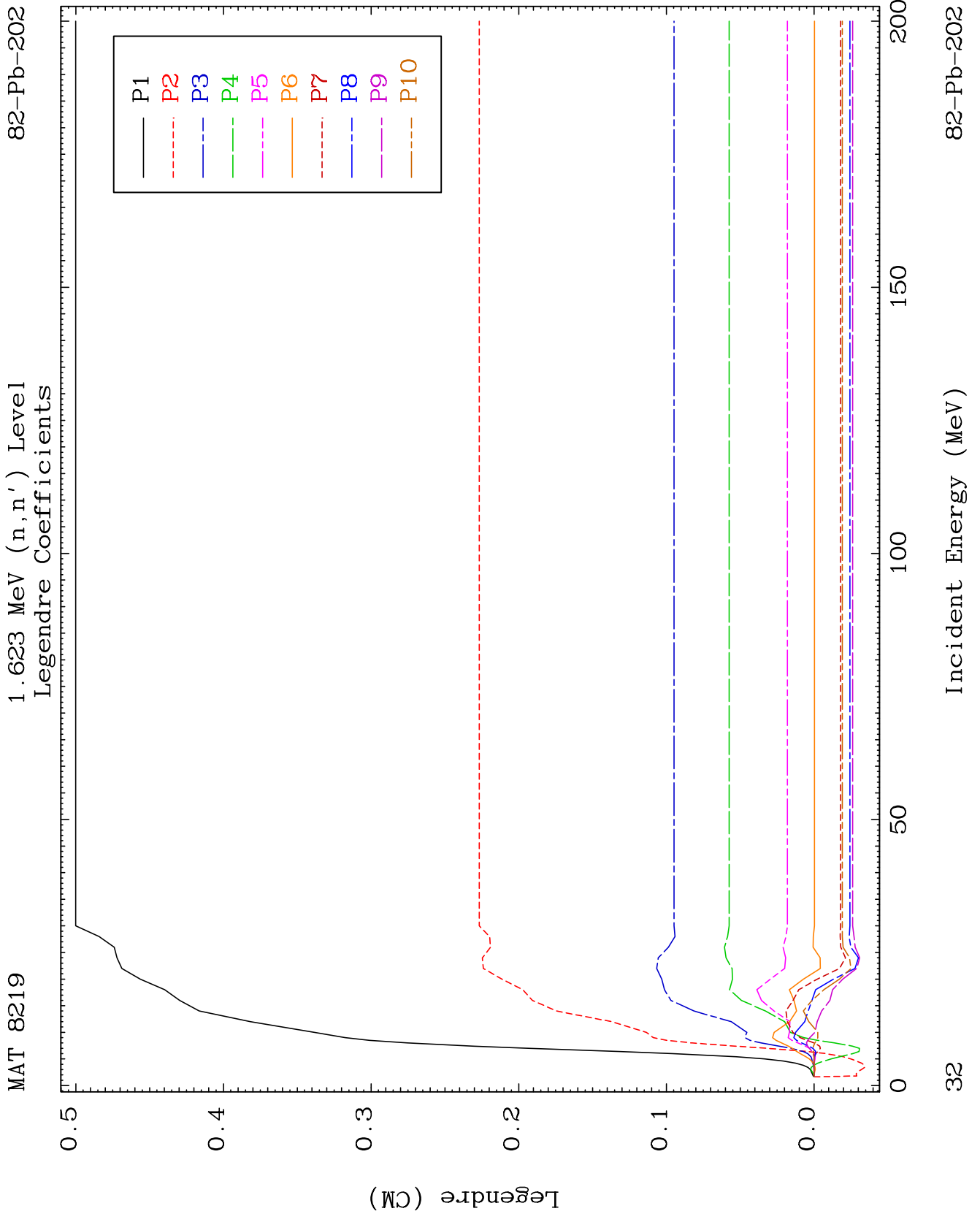
29

Incident Energy (MeV)

82-Pb-202



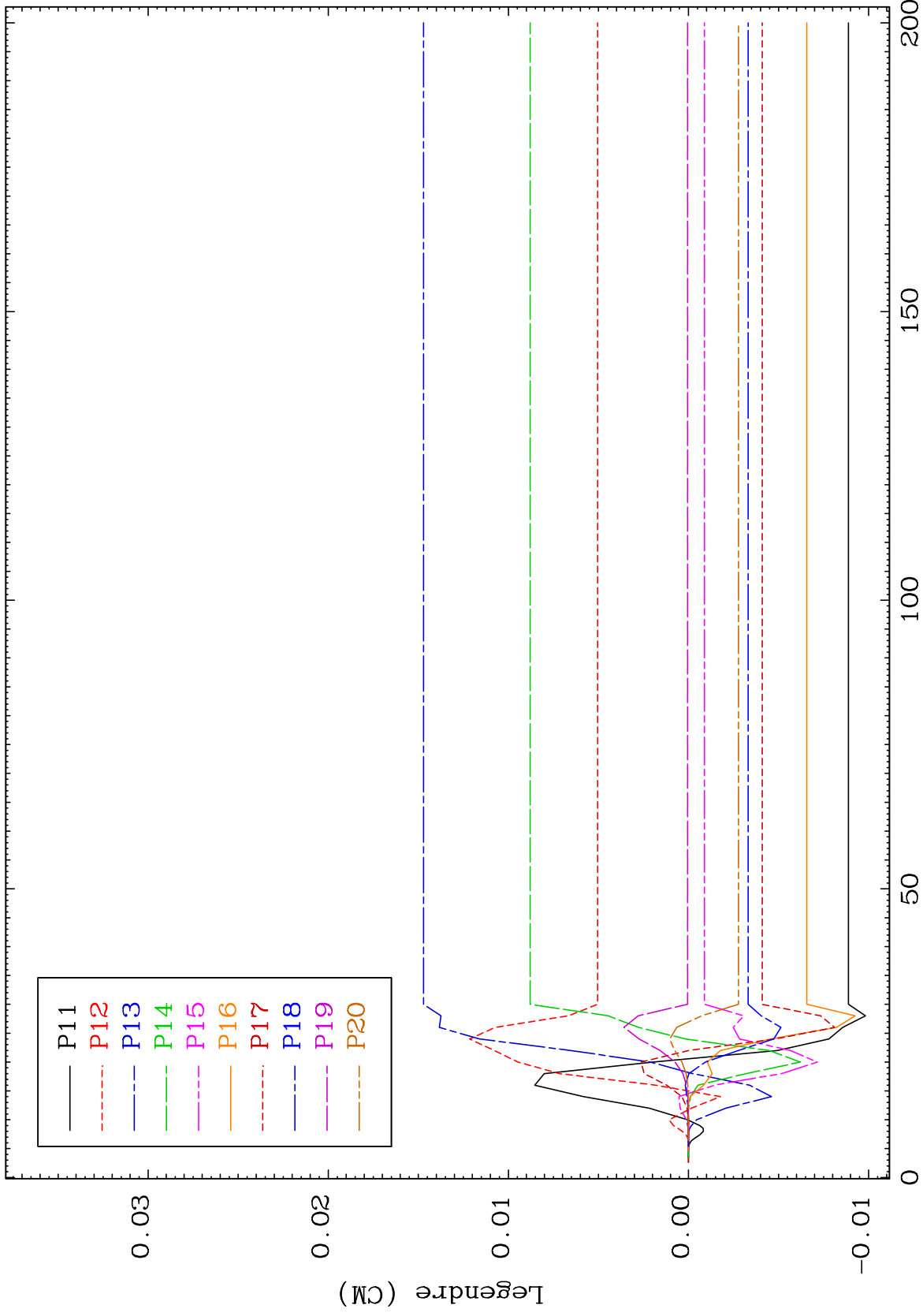


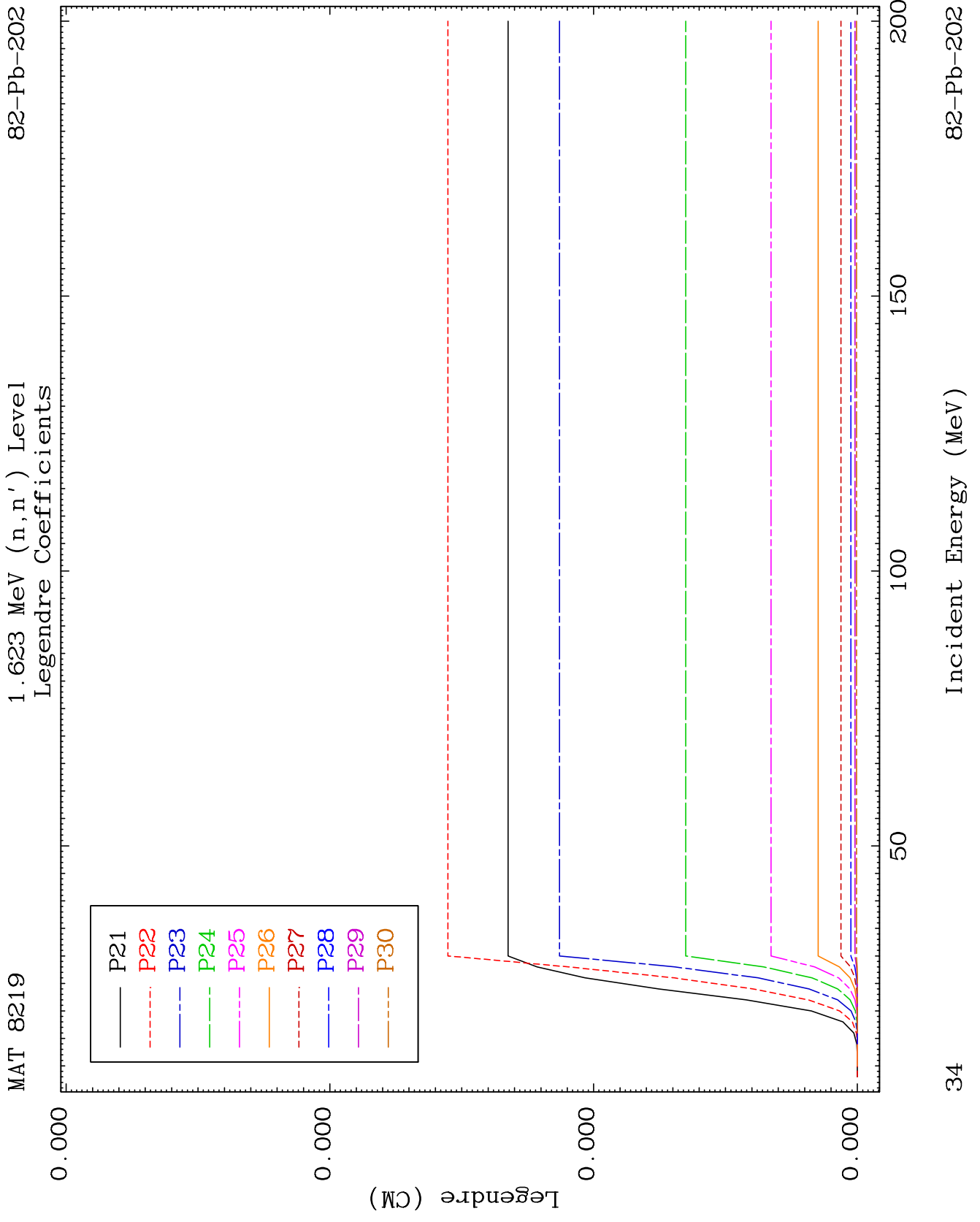


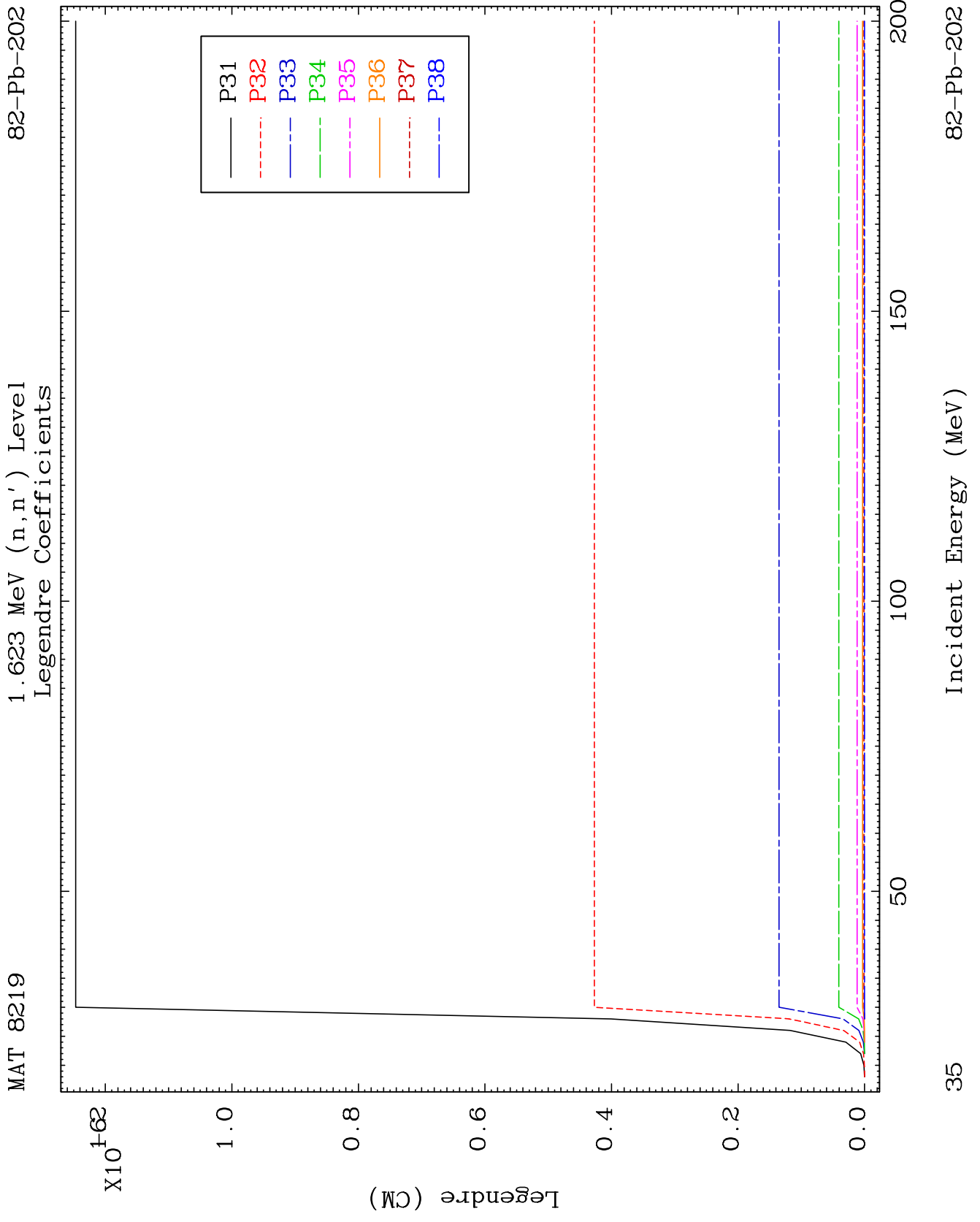
MAT 8219

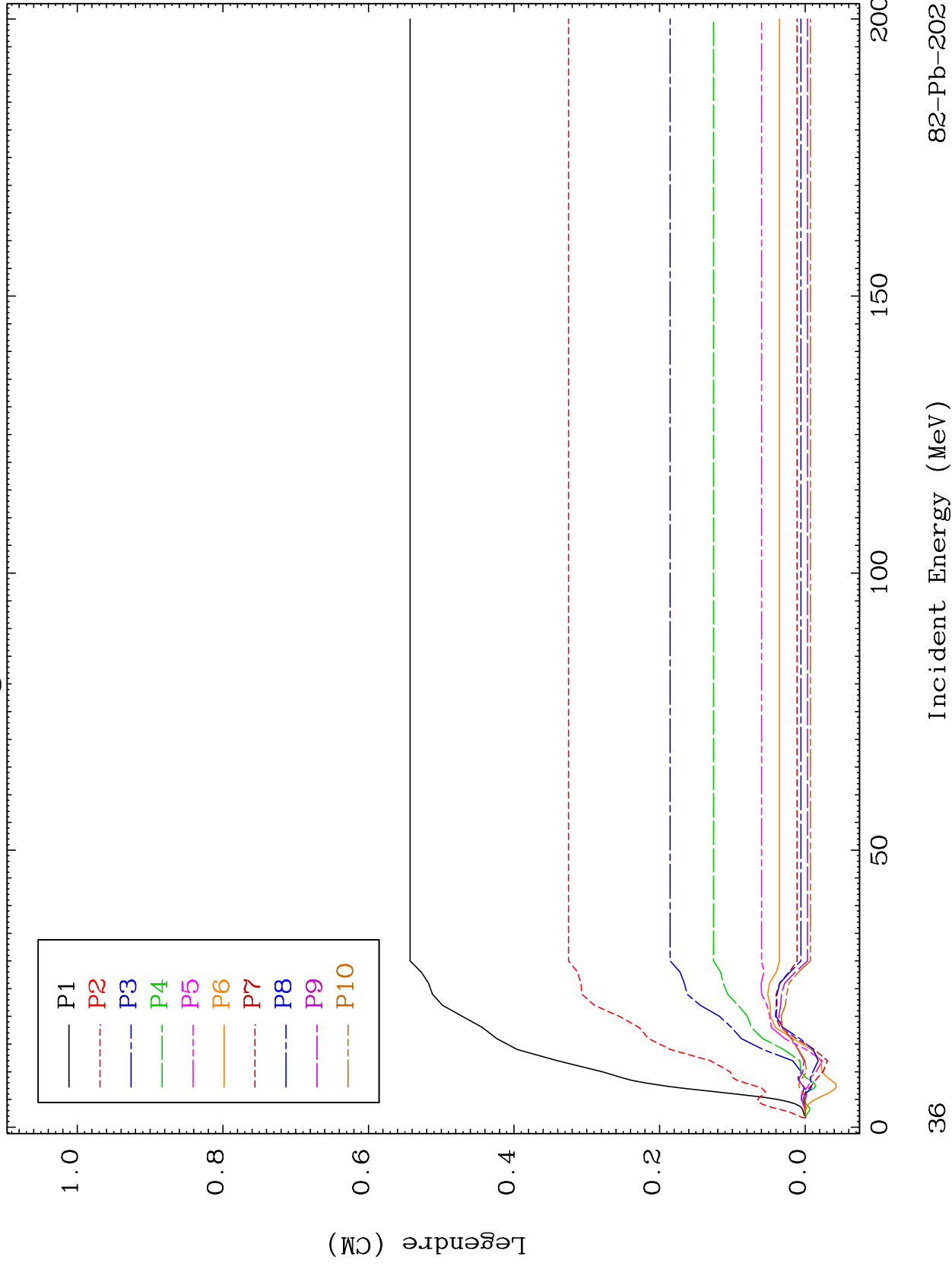
1.623 MeV (n,n') Level
Legendre Coefficients

82-Pb-202





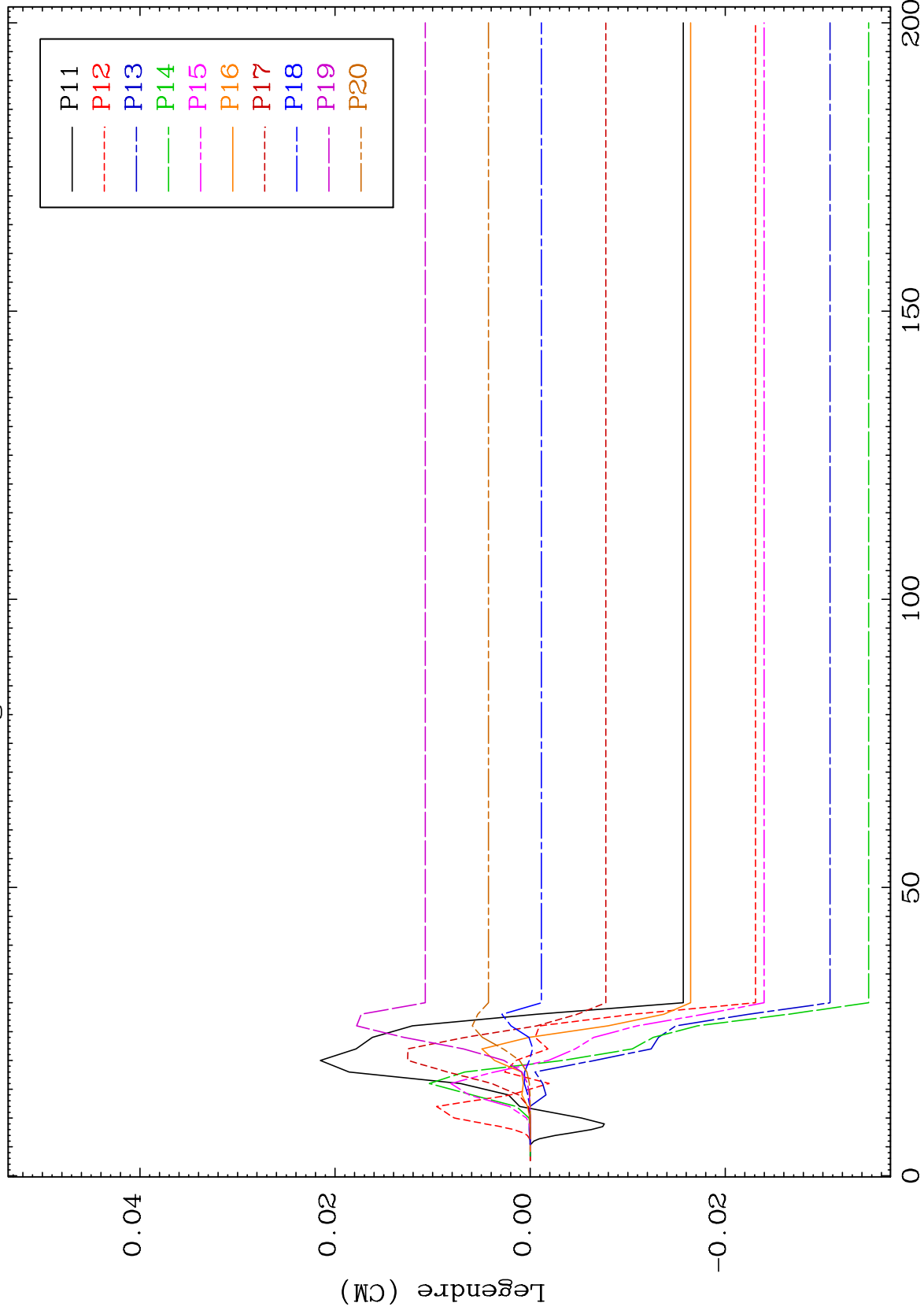




MAT 8219

1.657 MeV (n,n') Level
Legendre Coefficients

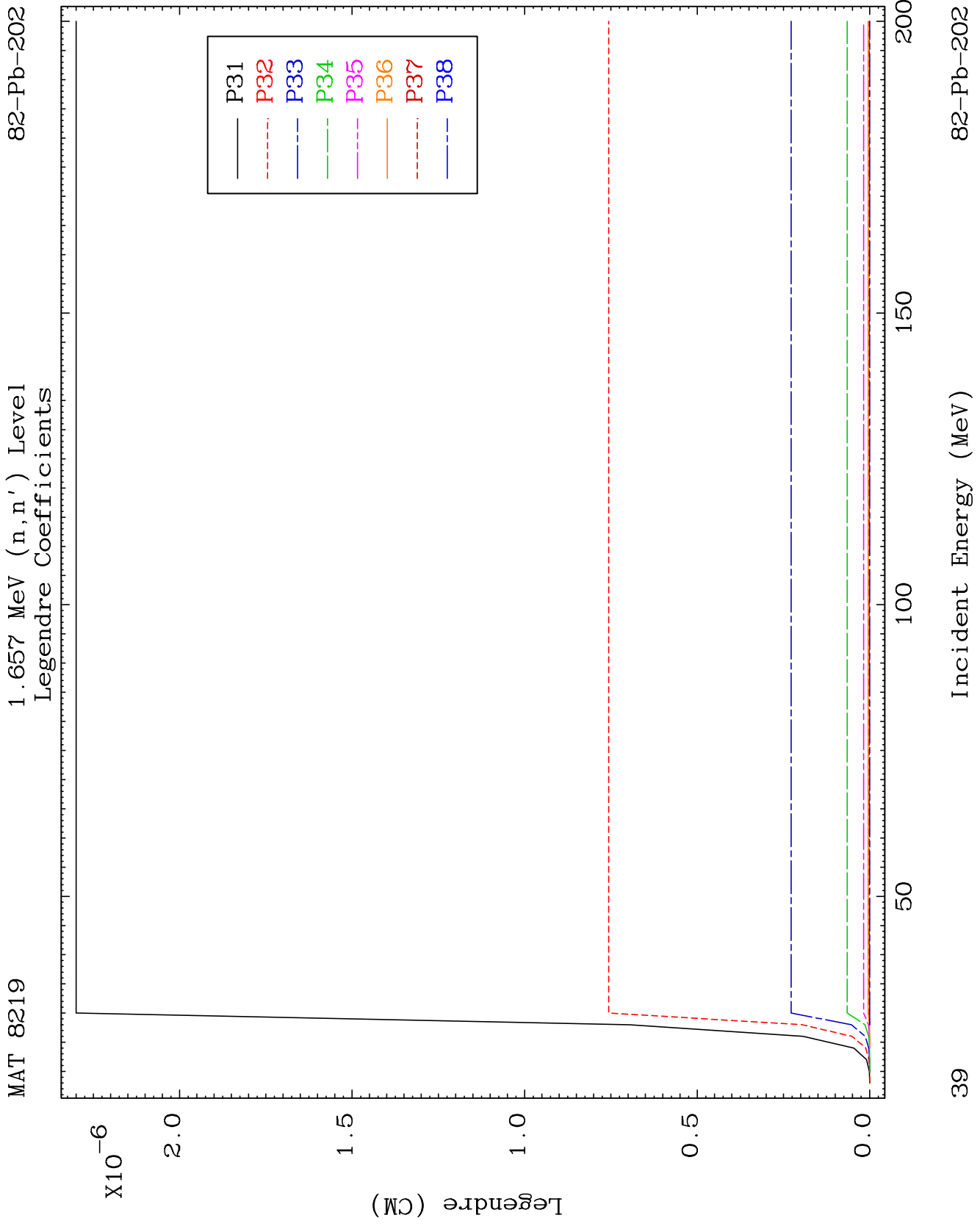
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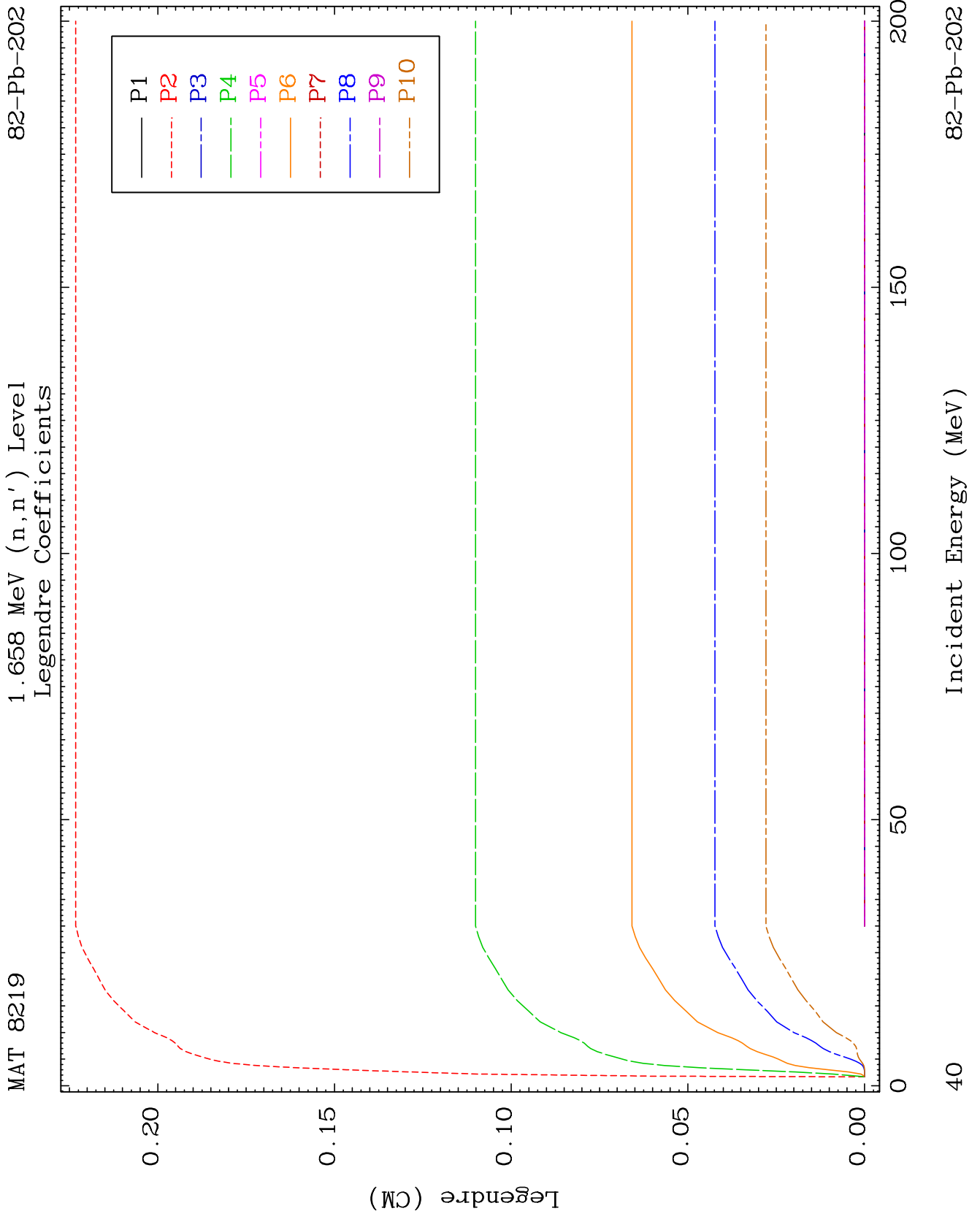


37

Incident Energy (MeV)

82-Pb-202

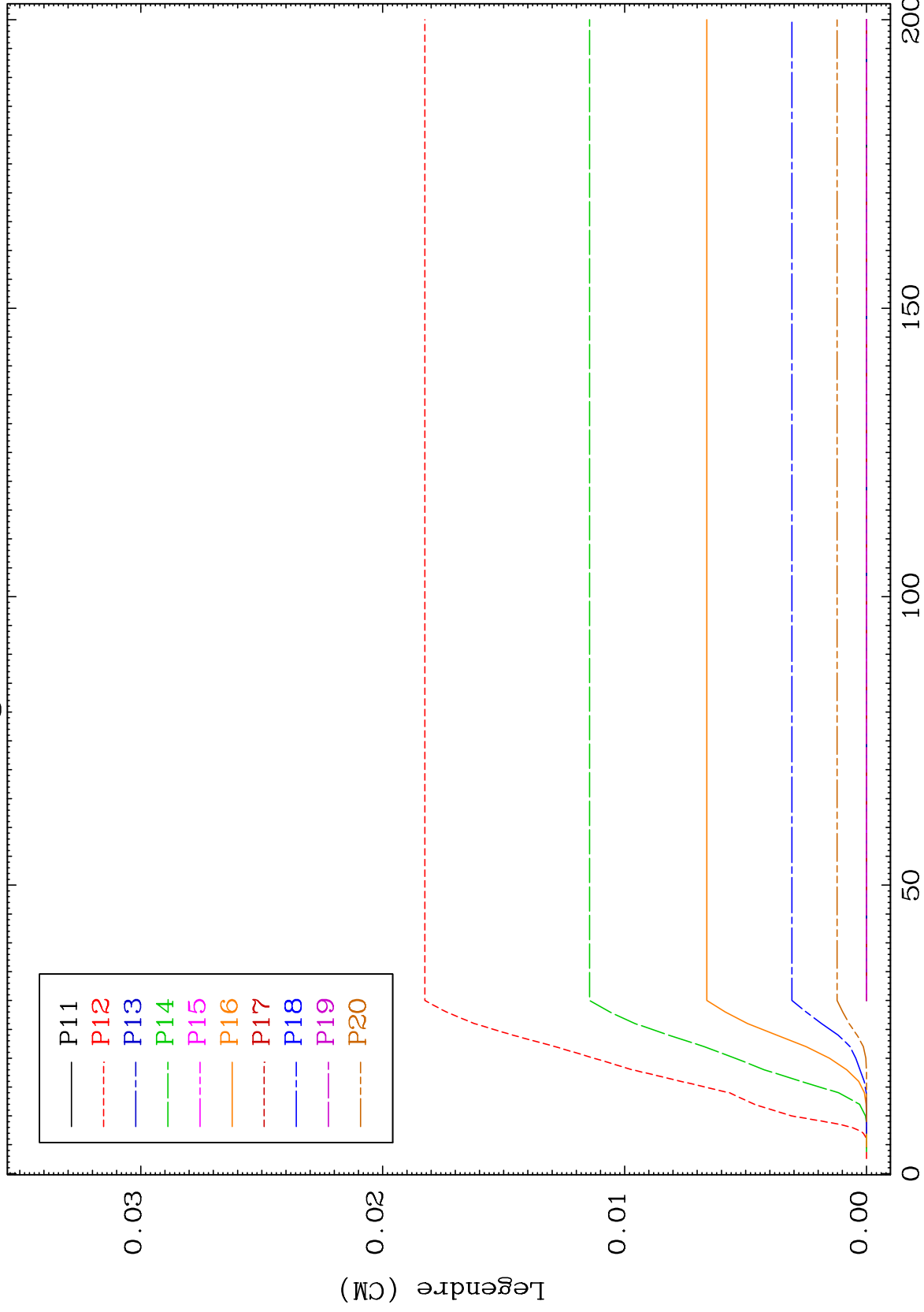




MAT 8219

1.658 MeV (n,n') Level
Legendre Coefficients

82-Pb-202



41

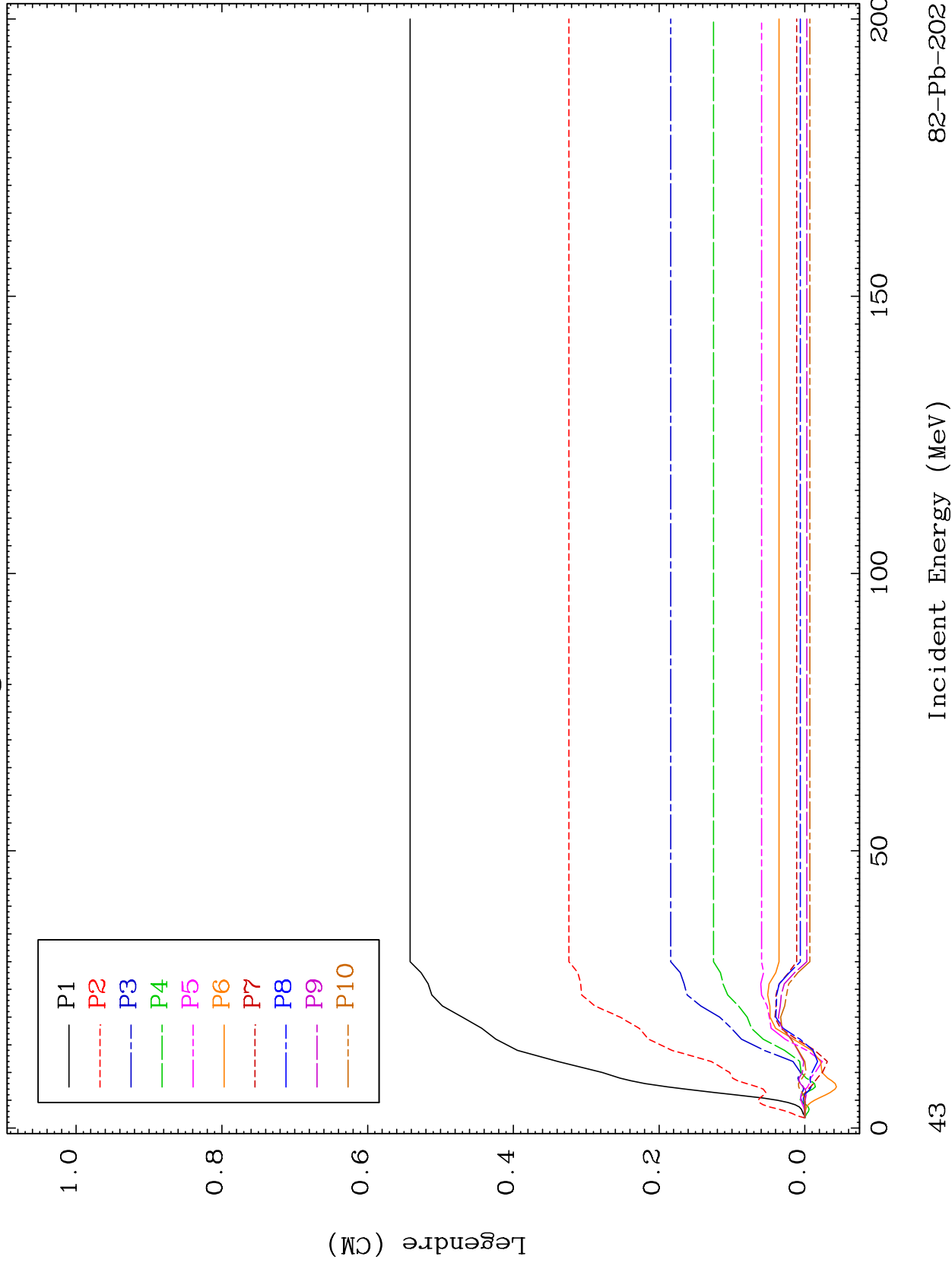
Incident Energy (MeV)

82-Pb-202

MAT 8219

1.798 MeV (n,n') Level
Legendre Coefficients

82-Pb-202



43

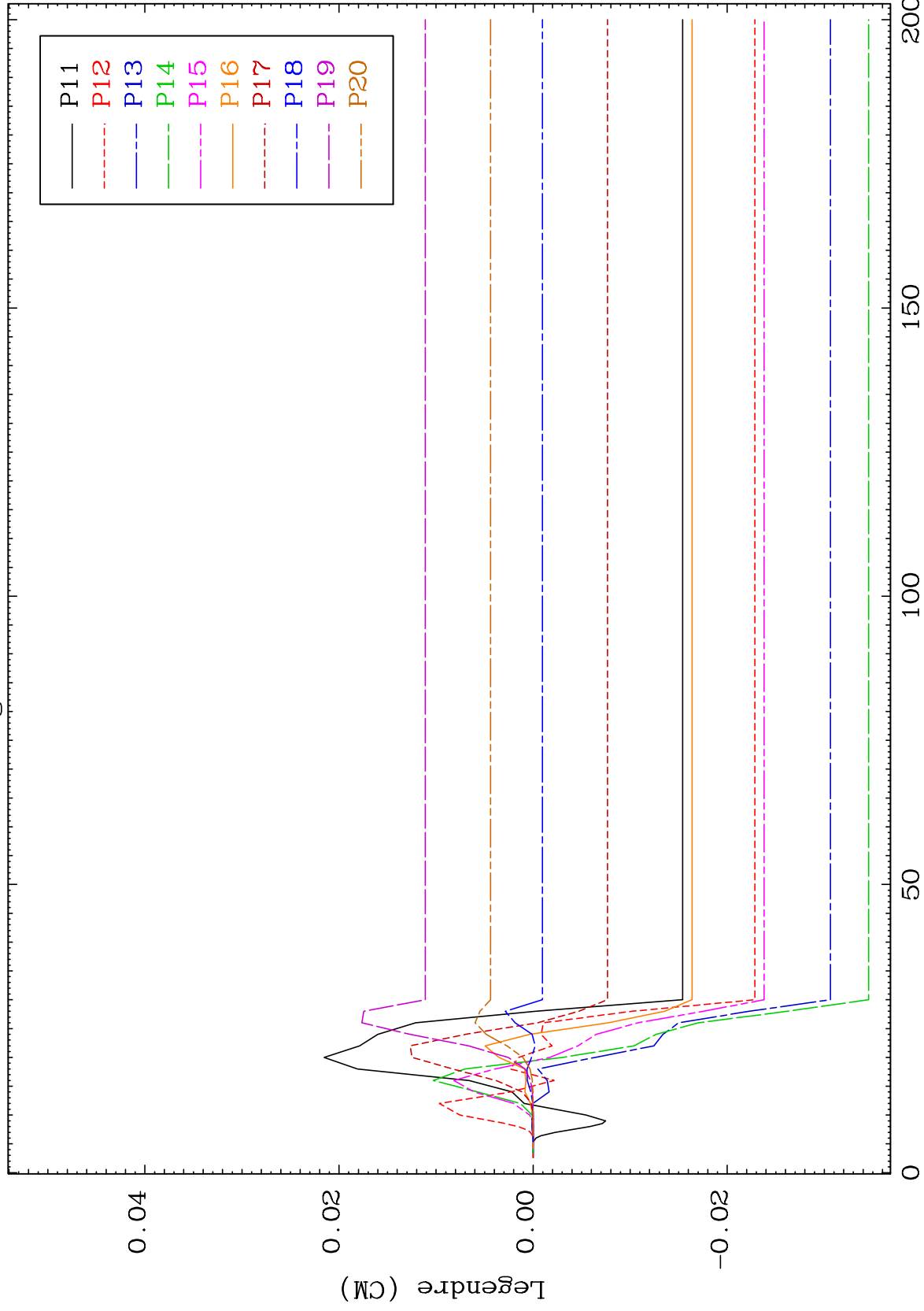
Incident Energy (MeV)

82-Pb-202

MAT 8219

1.798 MeV (n,n') Level
Legendre Coefficients

82-Pb-202



44

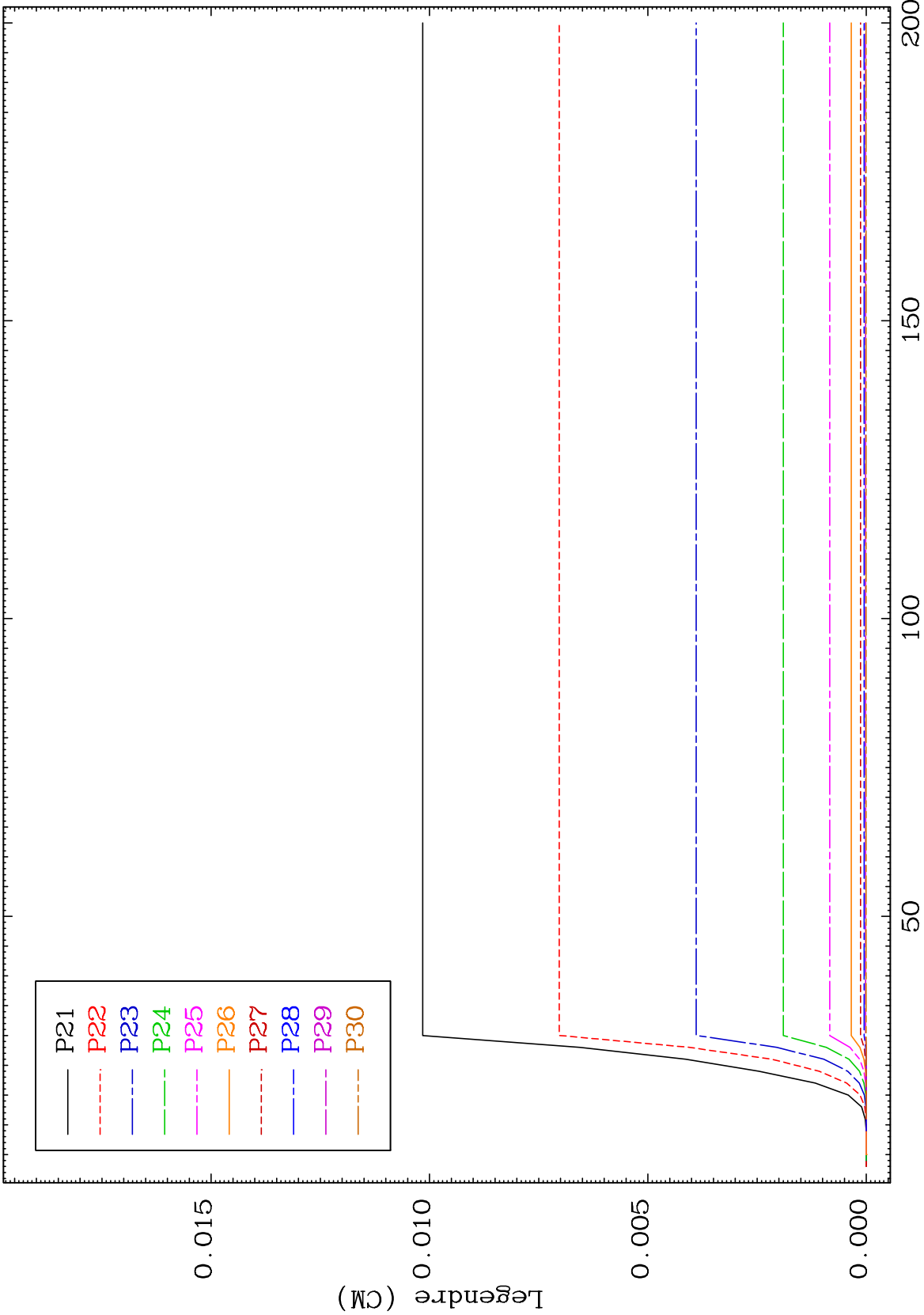
Incident Energy (MeV)

82-Pb-202

MAT 8219

1.798 MeV (n,n') Level
Legendre Coefficients

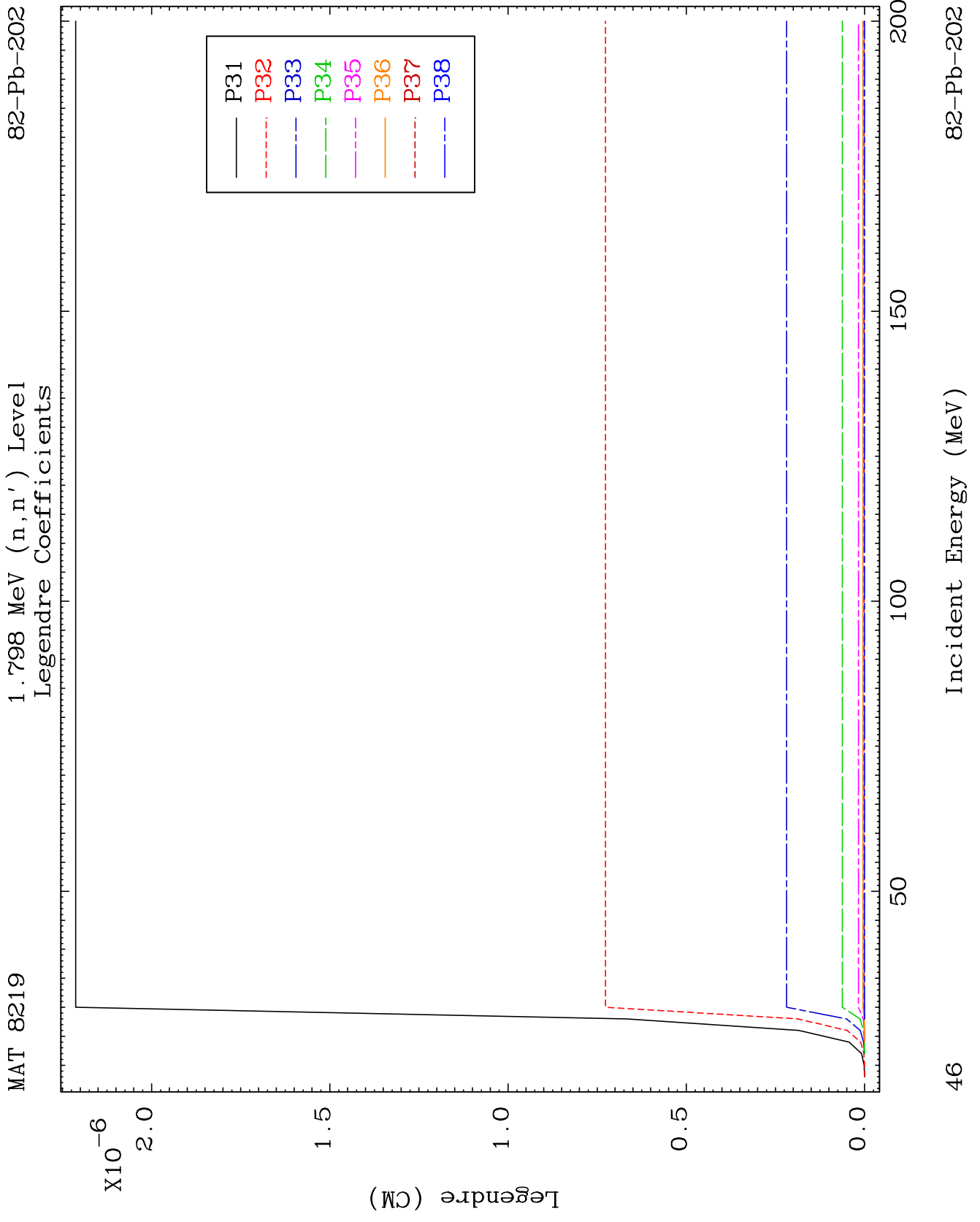
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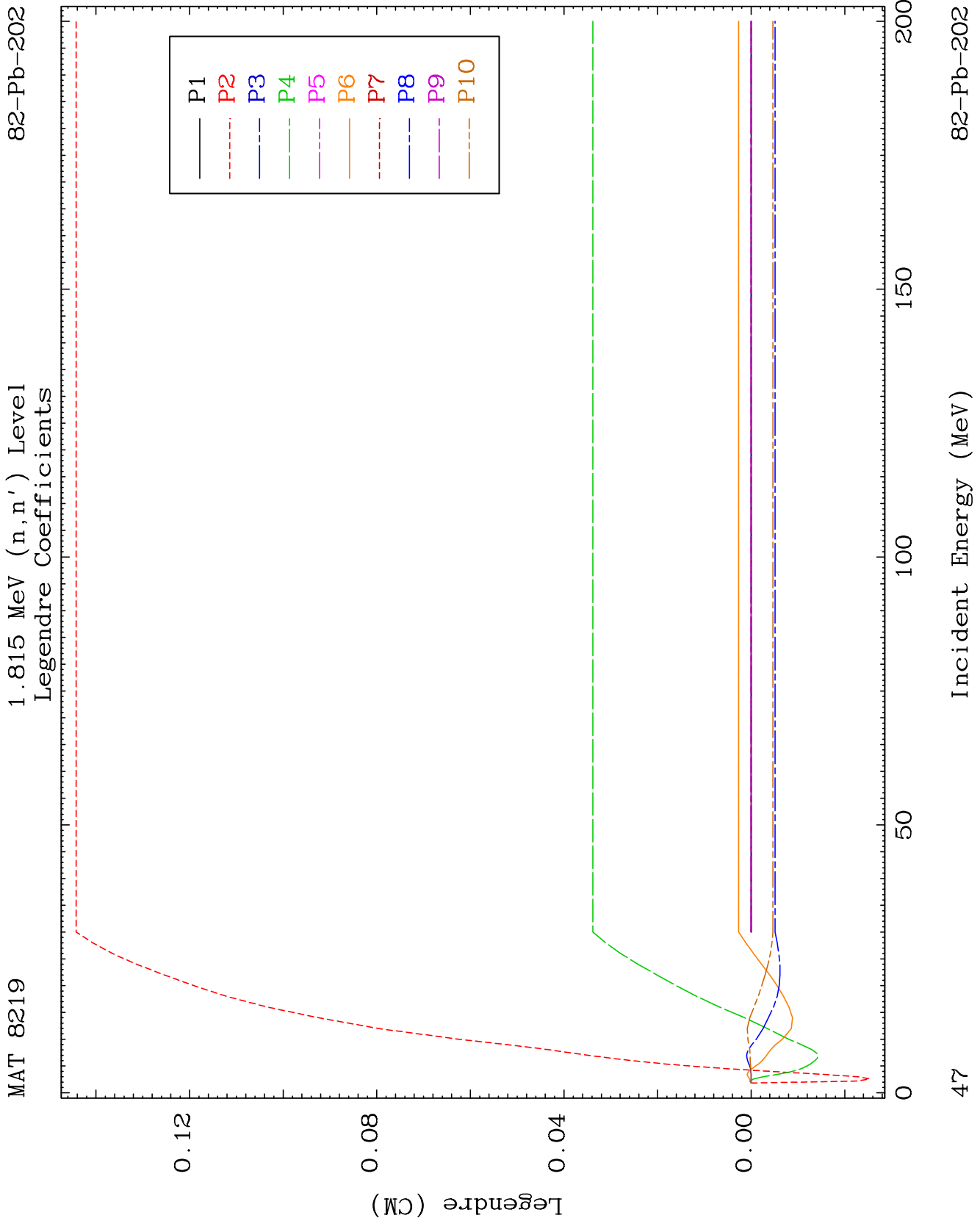


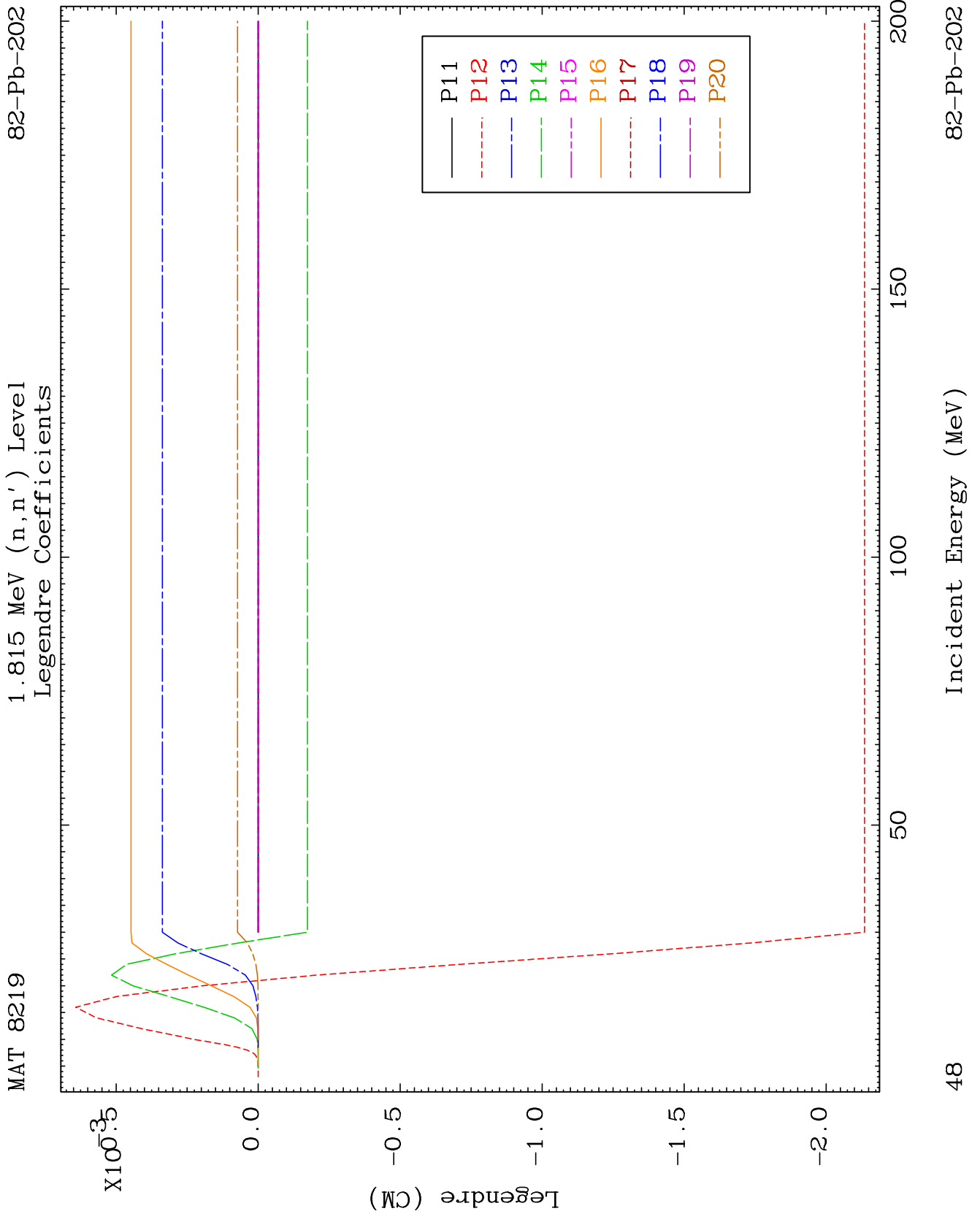
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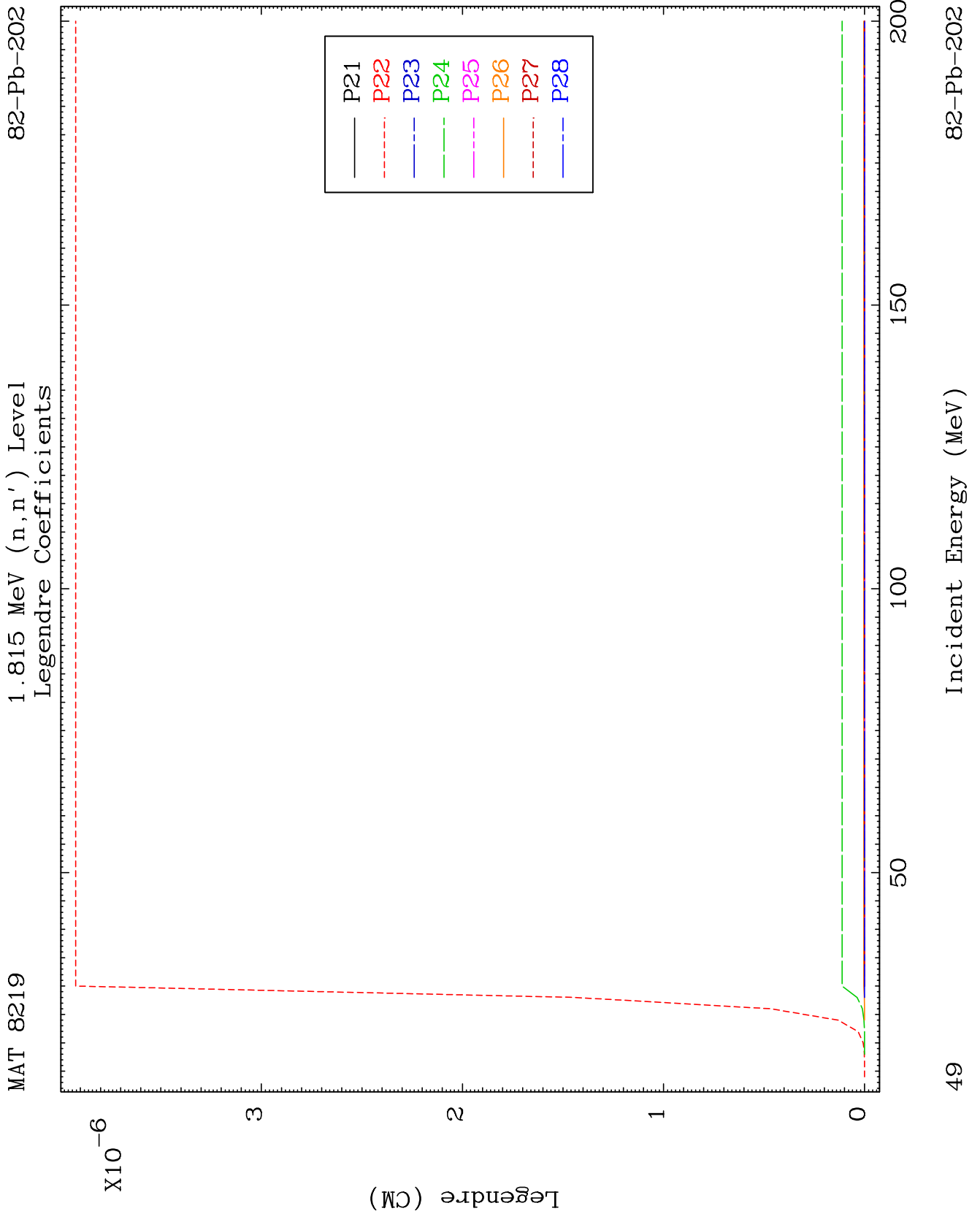
Incident Energy (MeV)

82-Pb-202





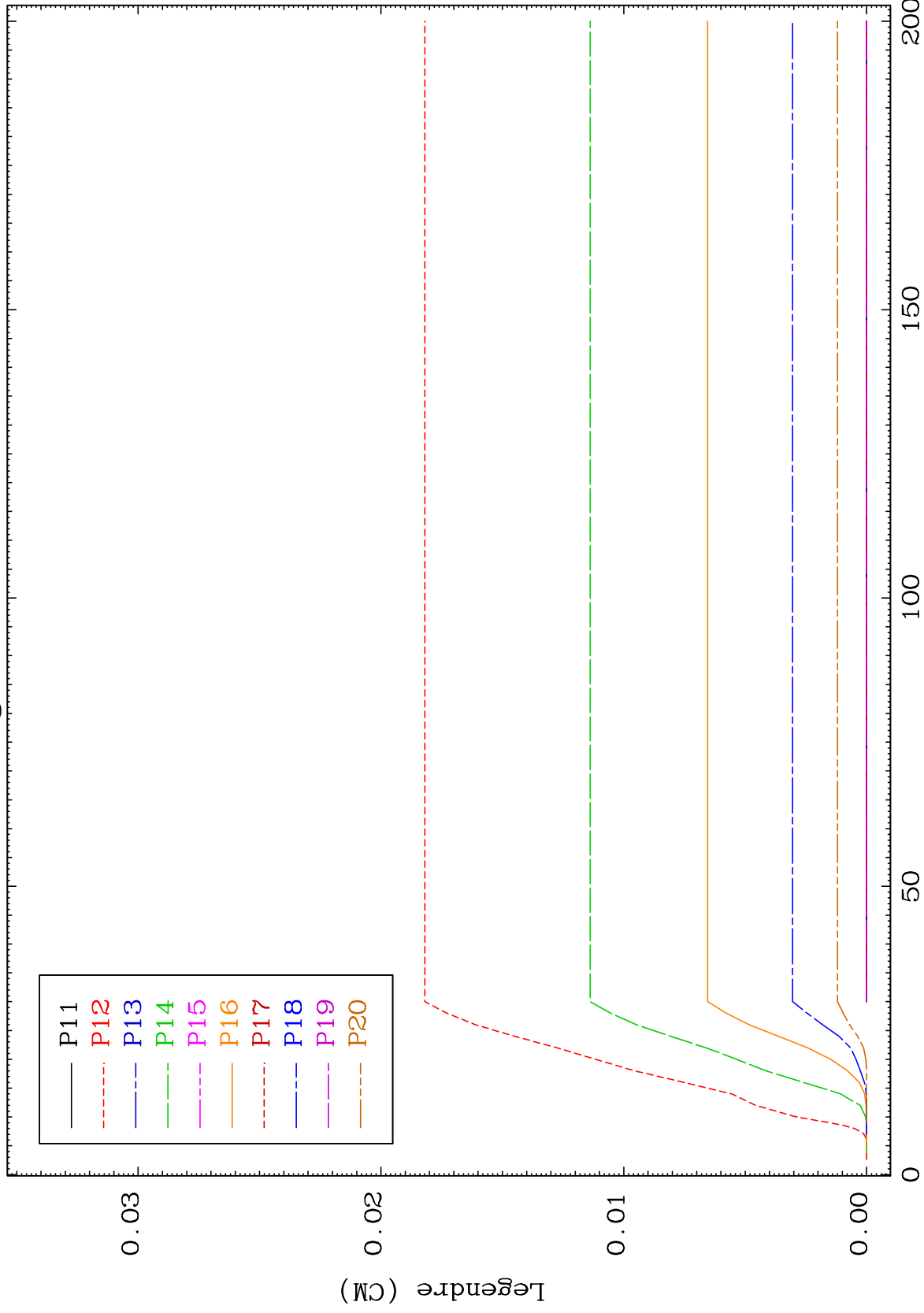




MAT 8219

1.862 MeV (n, n') Level
Legendre Coefficients

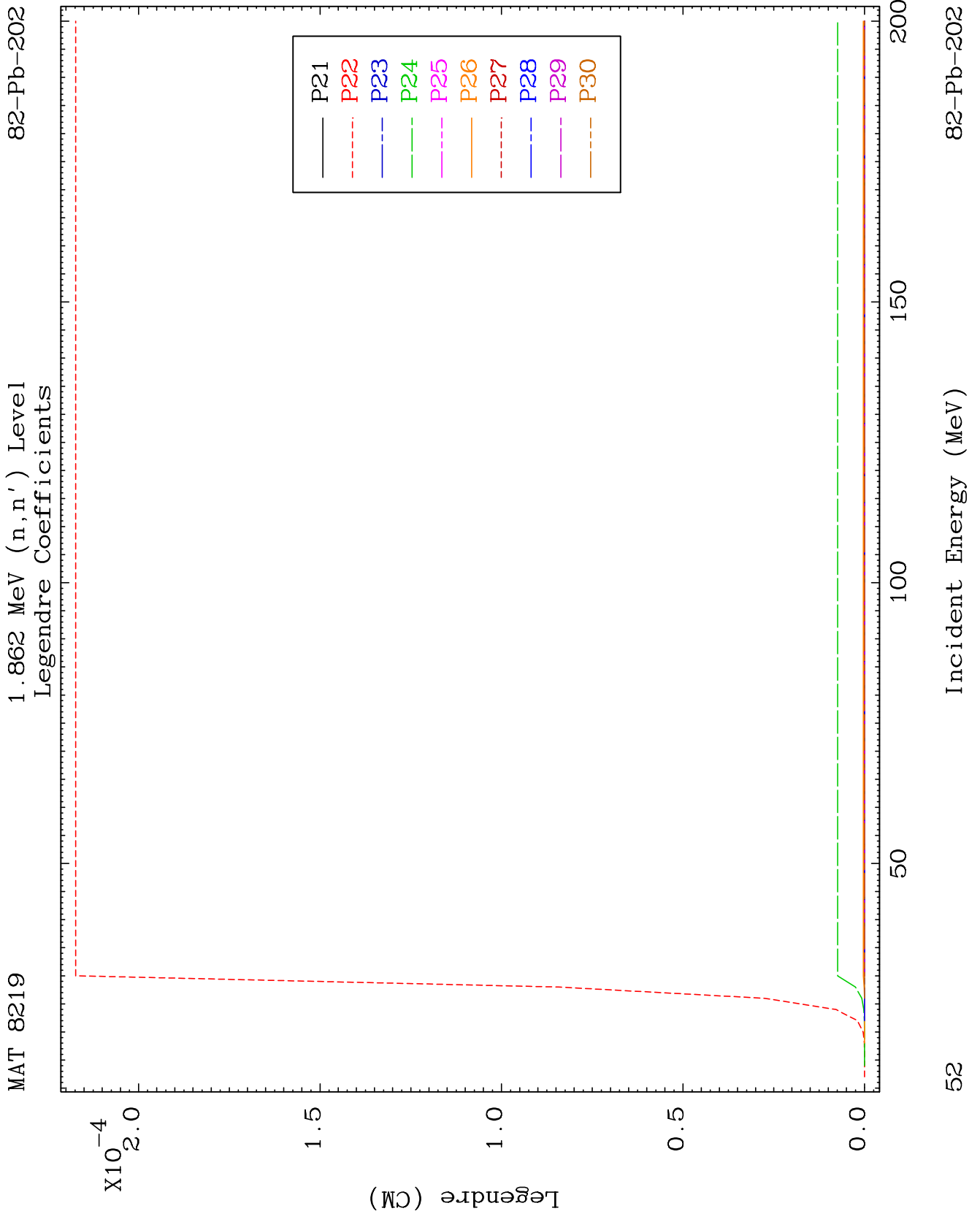
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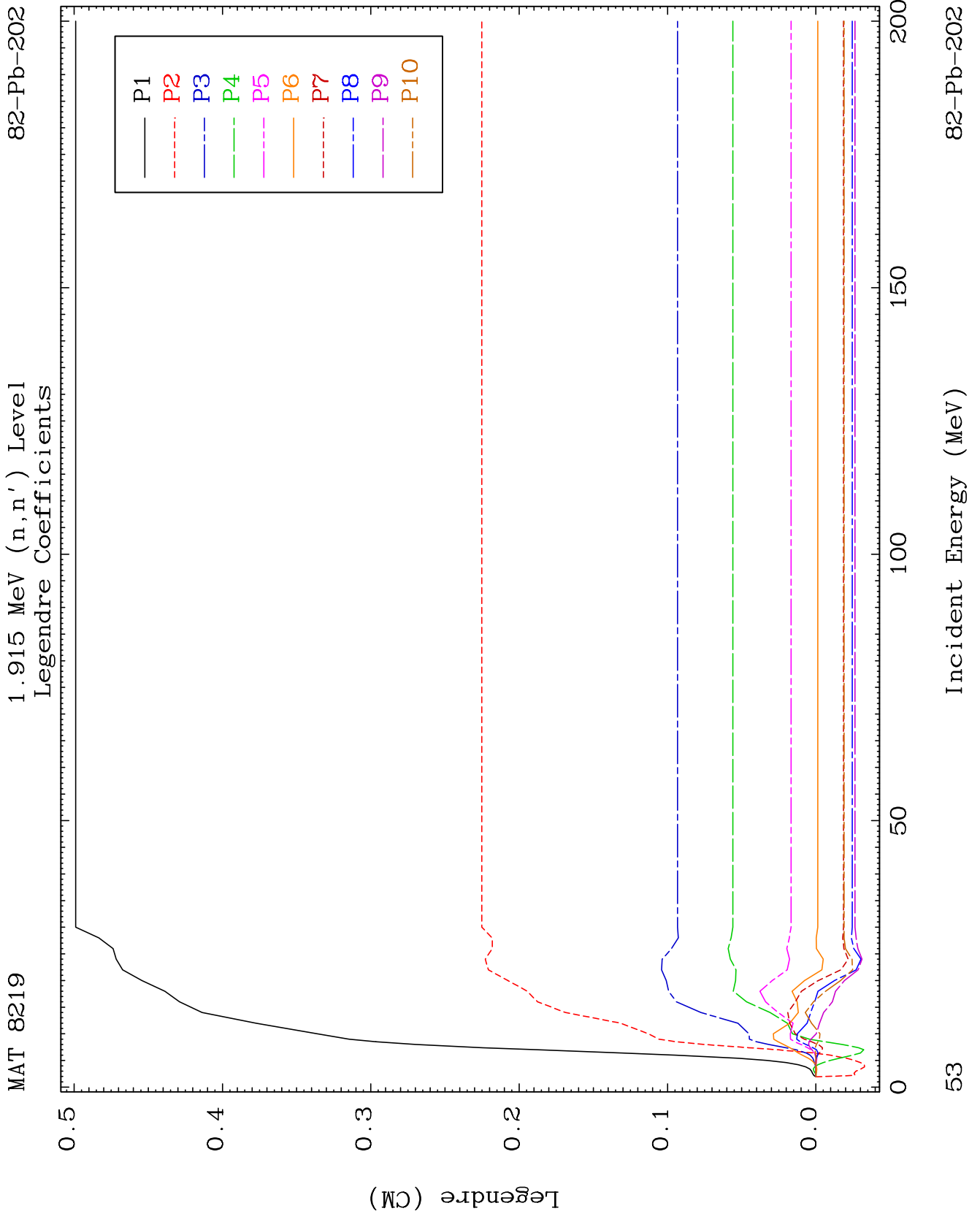


51

Incident Energy (MeV)

82-Pb-202

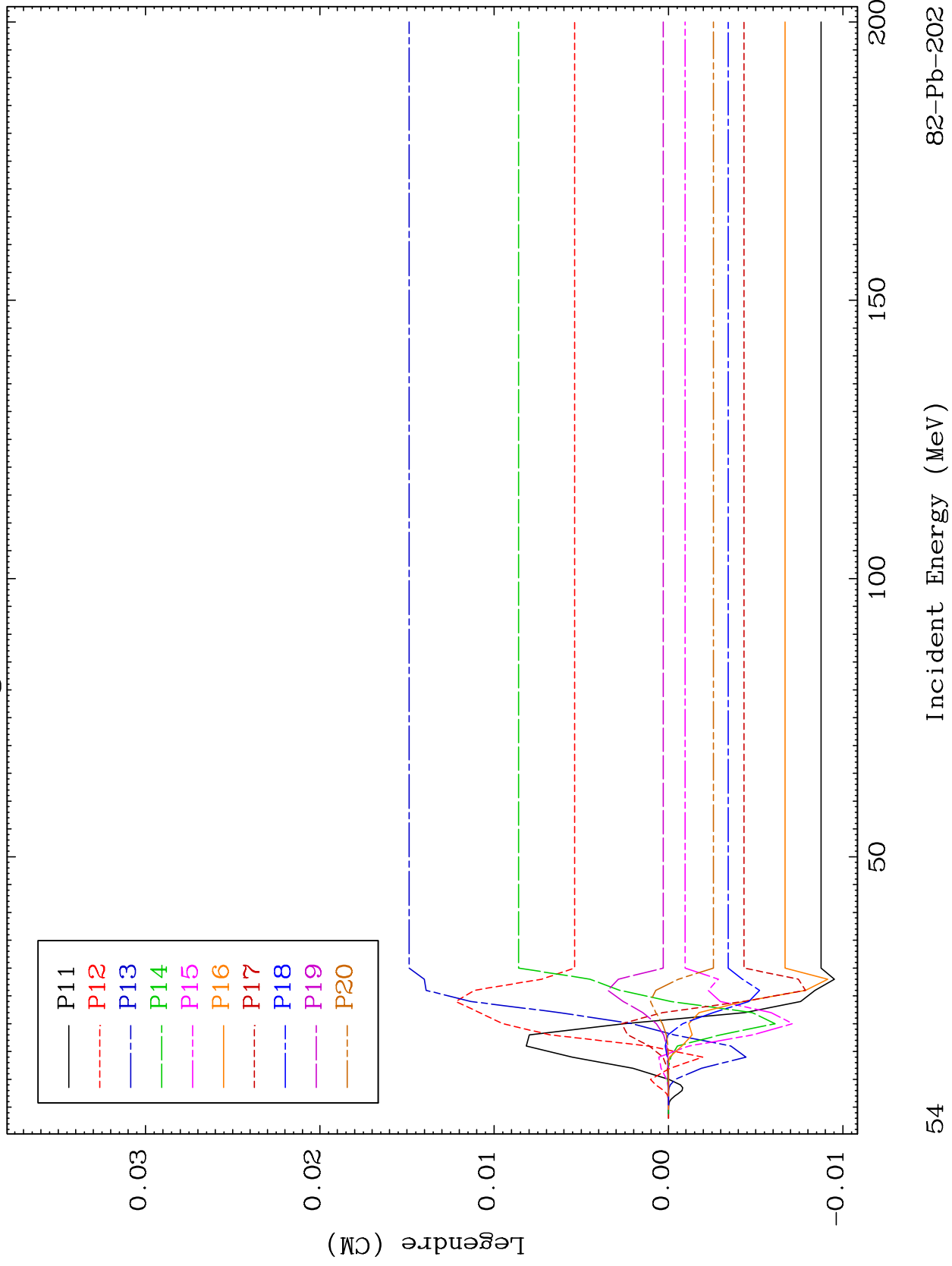




MAT 8219

1.915 MeV (n,n') Level
Legendre Coefficients

82-Pb-202



54

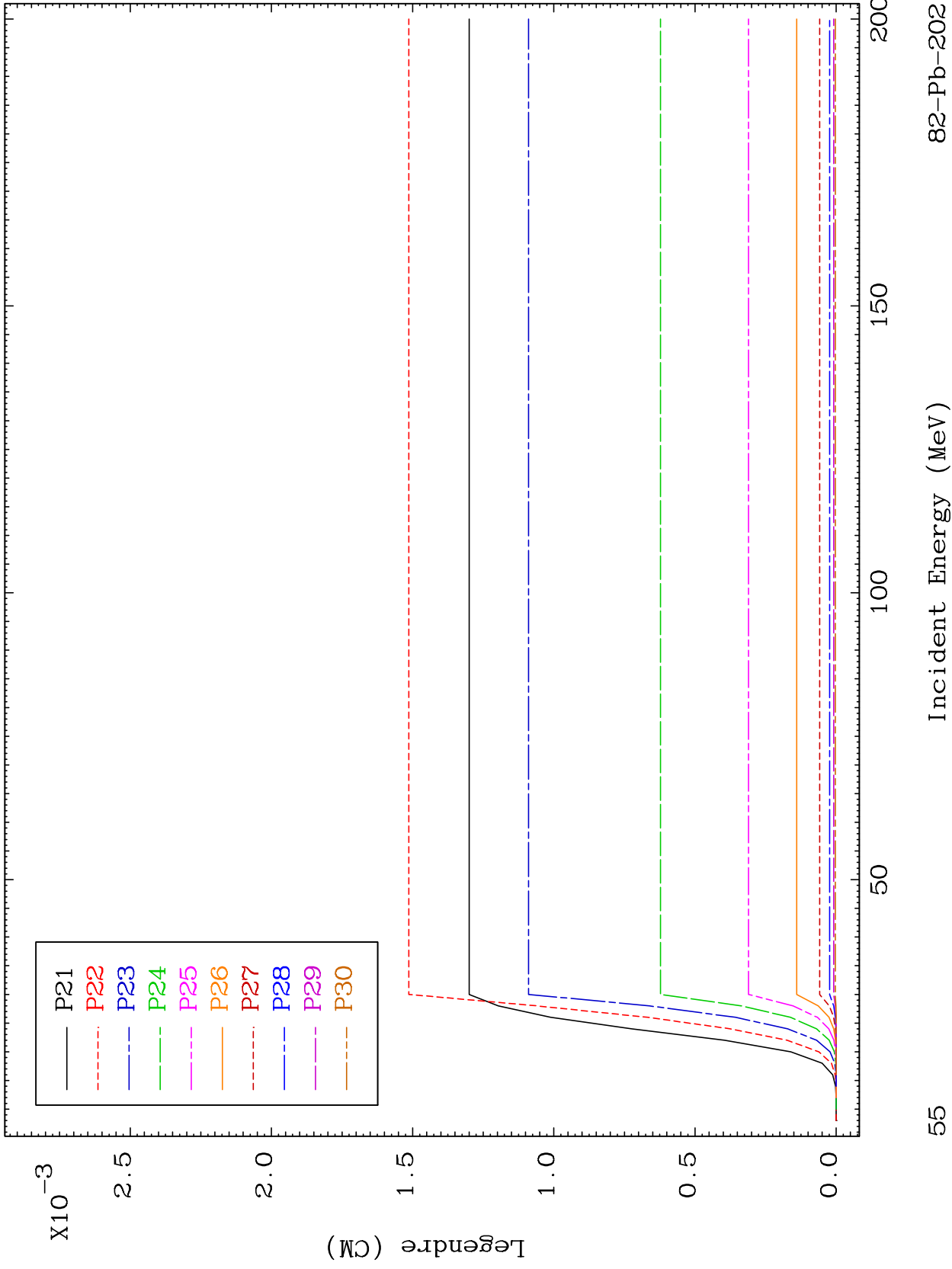
Incident Energy (MeV)

82-Pb-202

MAT 8219

1.915 MeV (n,n') Level
Legendre Coefficients

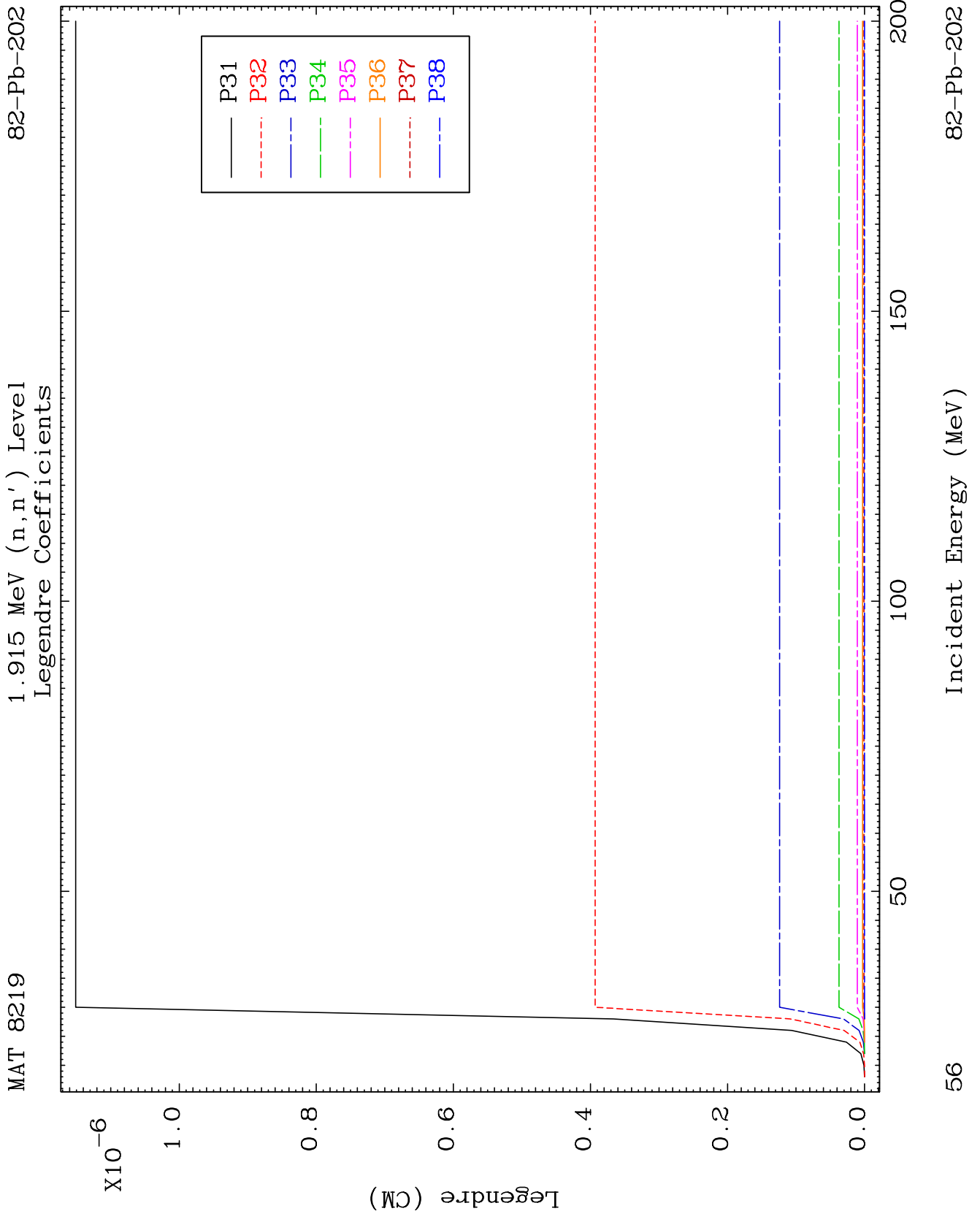
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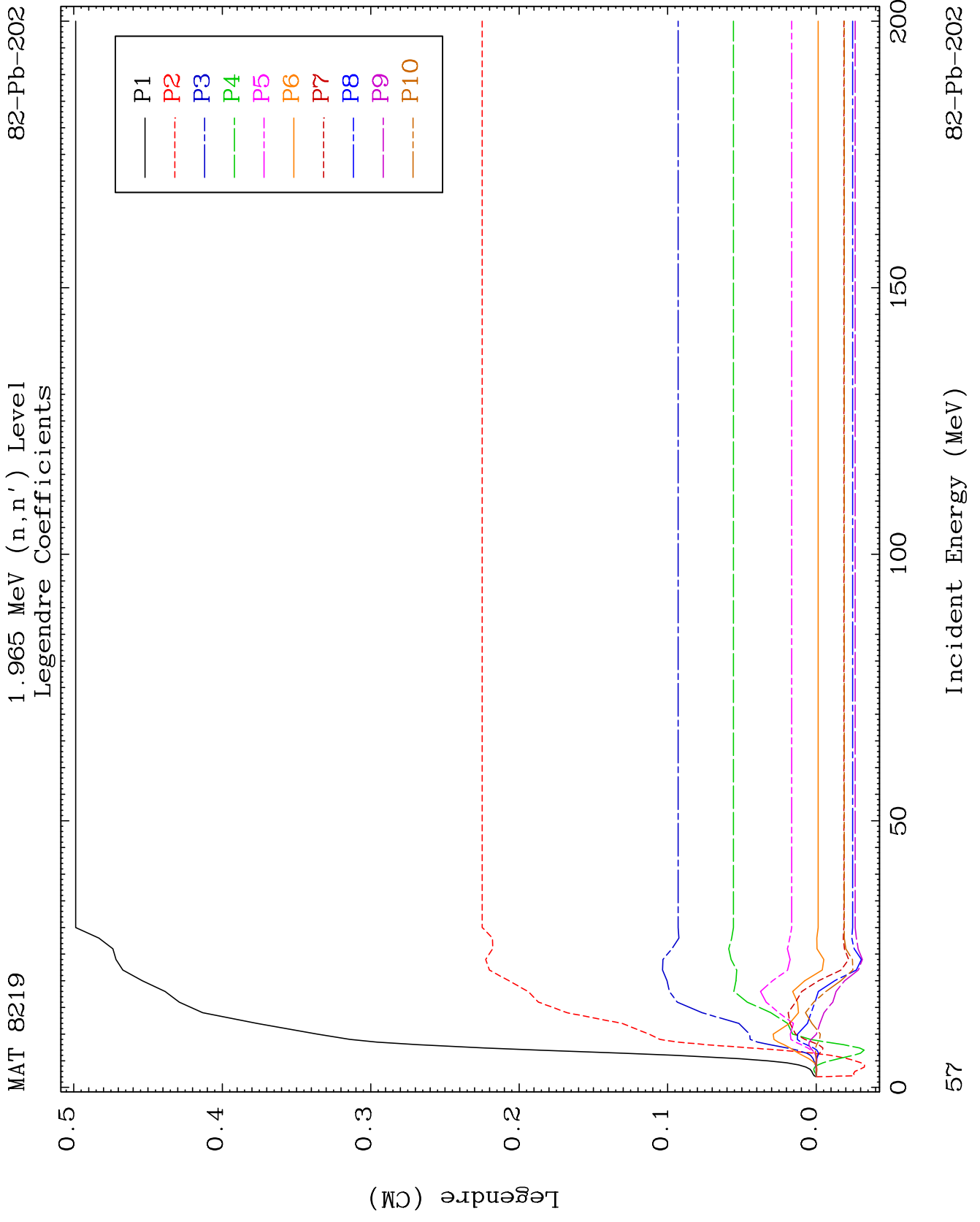


55

Incident Energy (MeV)

82-Pb-202

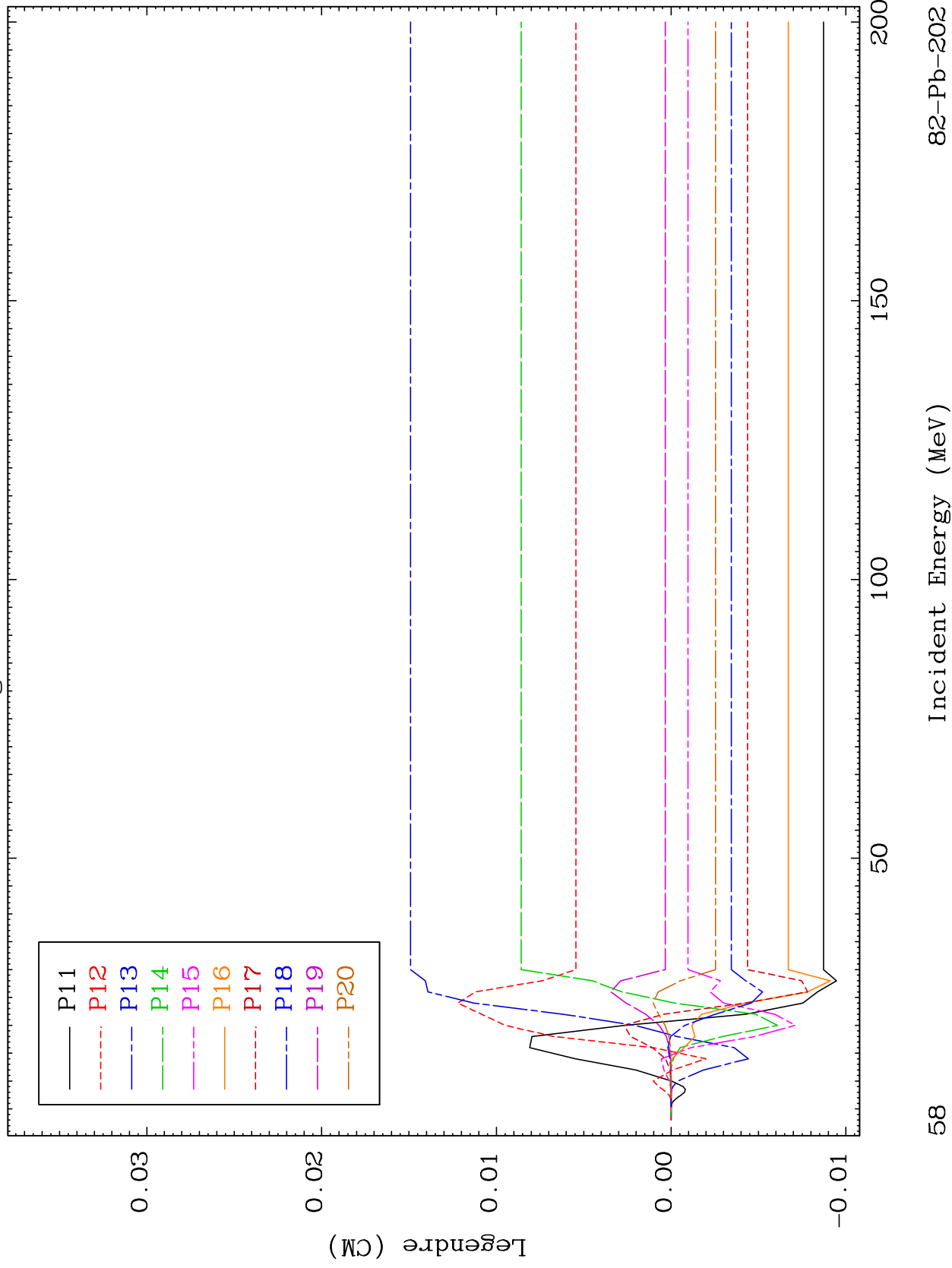




MAT 8219

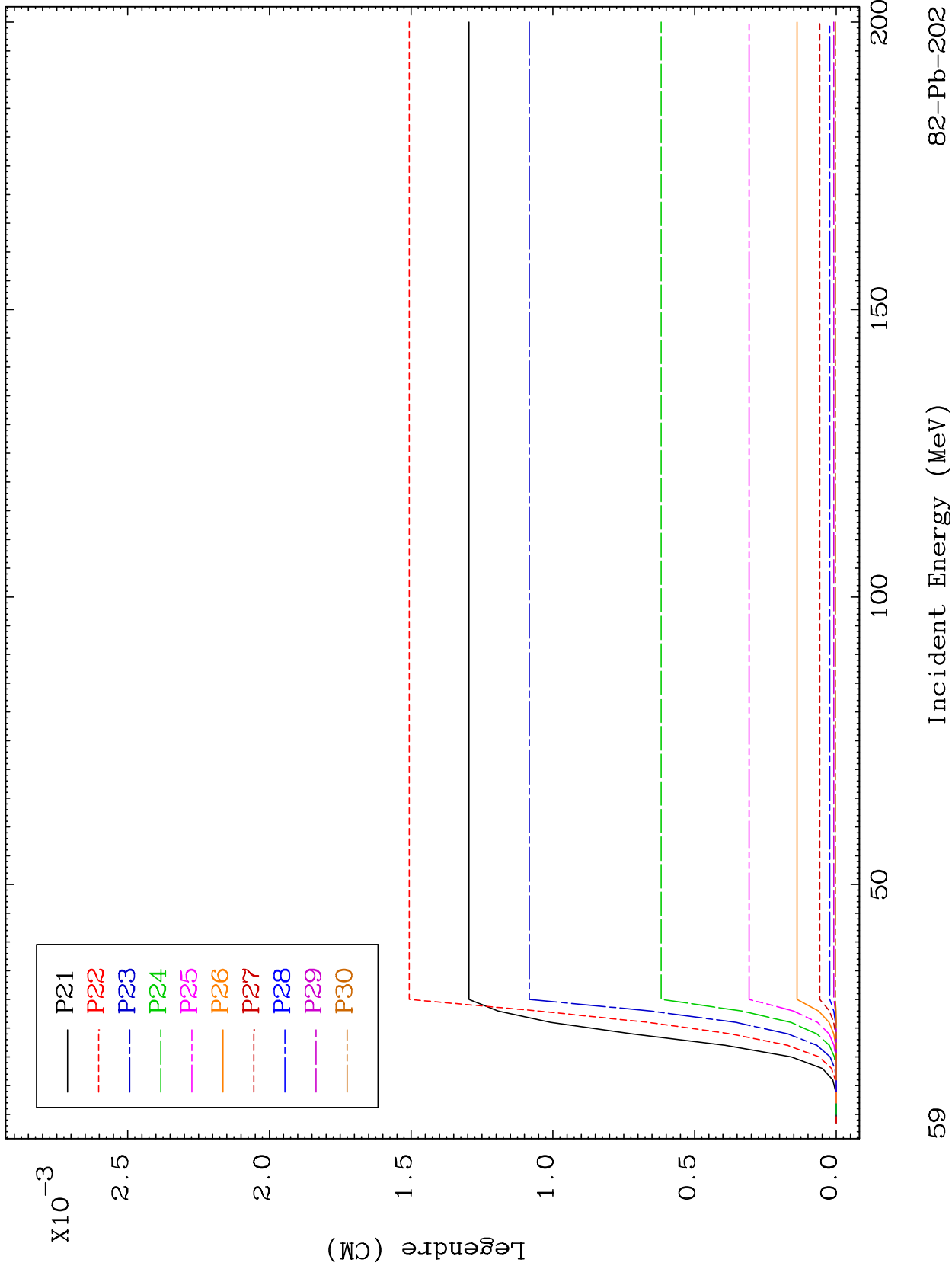
1.965 MeV (n,n') Level
Legendre Coefficients

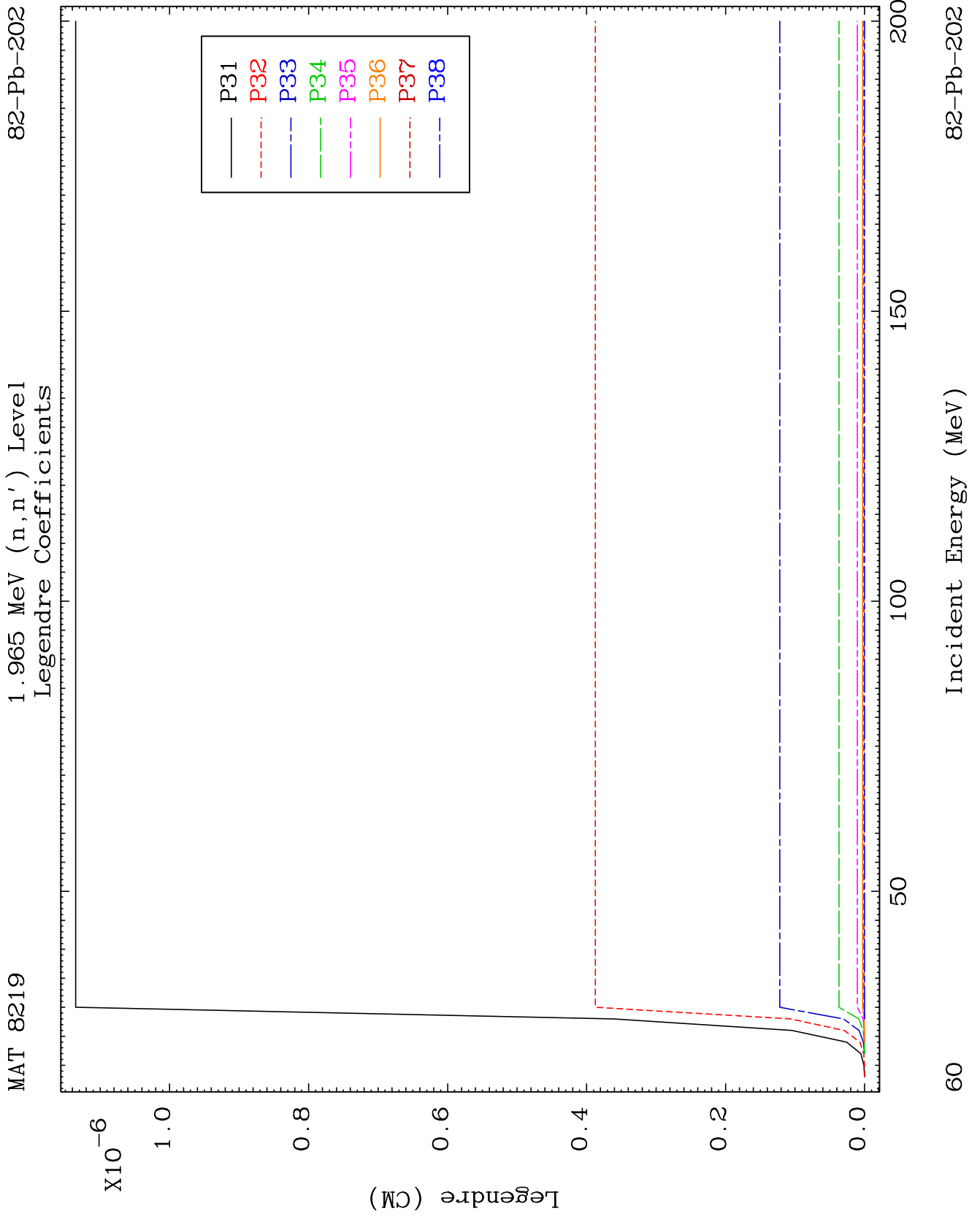
82-Pb-202

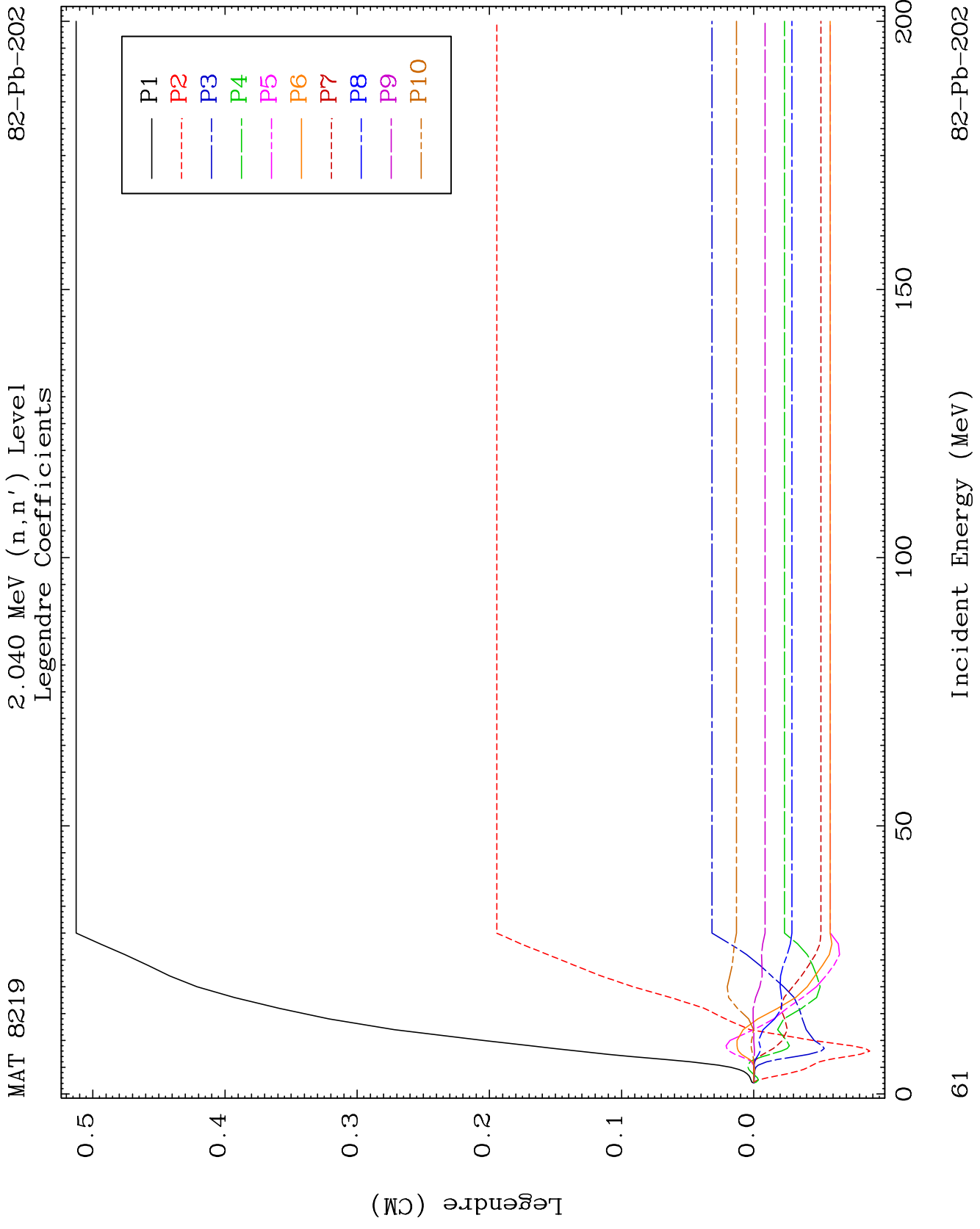


58

82-Pb-202



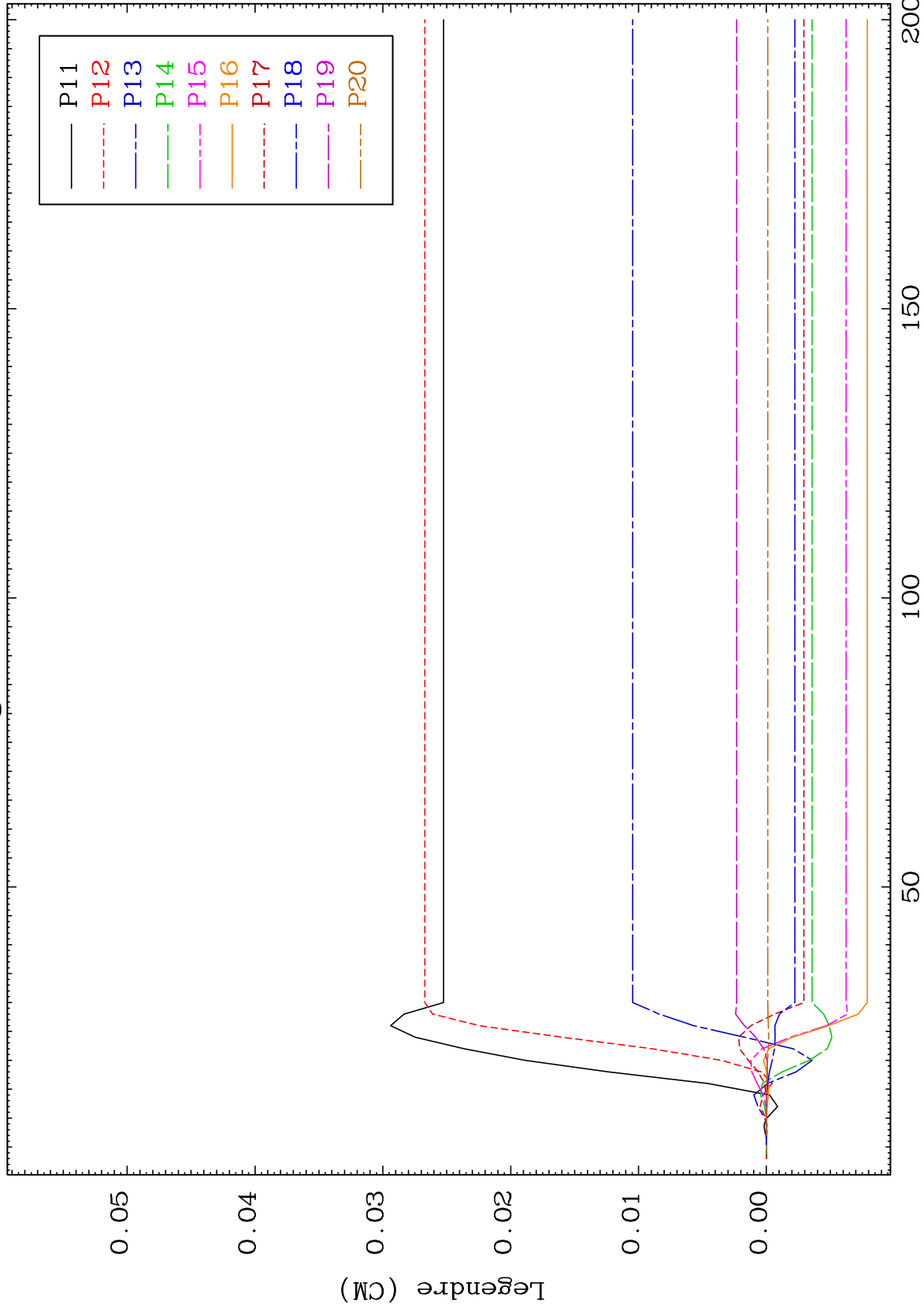




MAT 8219

2.040 MeV (n,n') Level
Legendre Coefficients

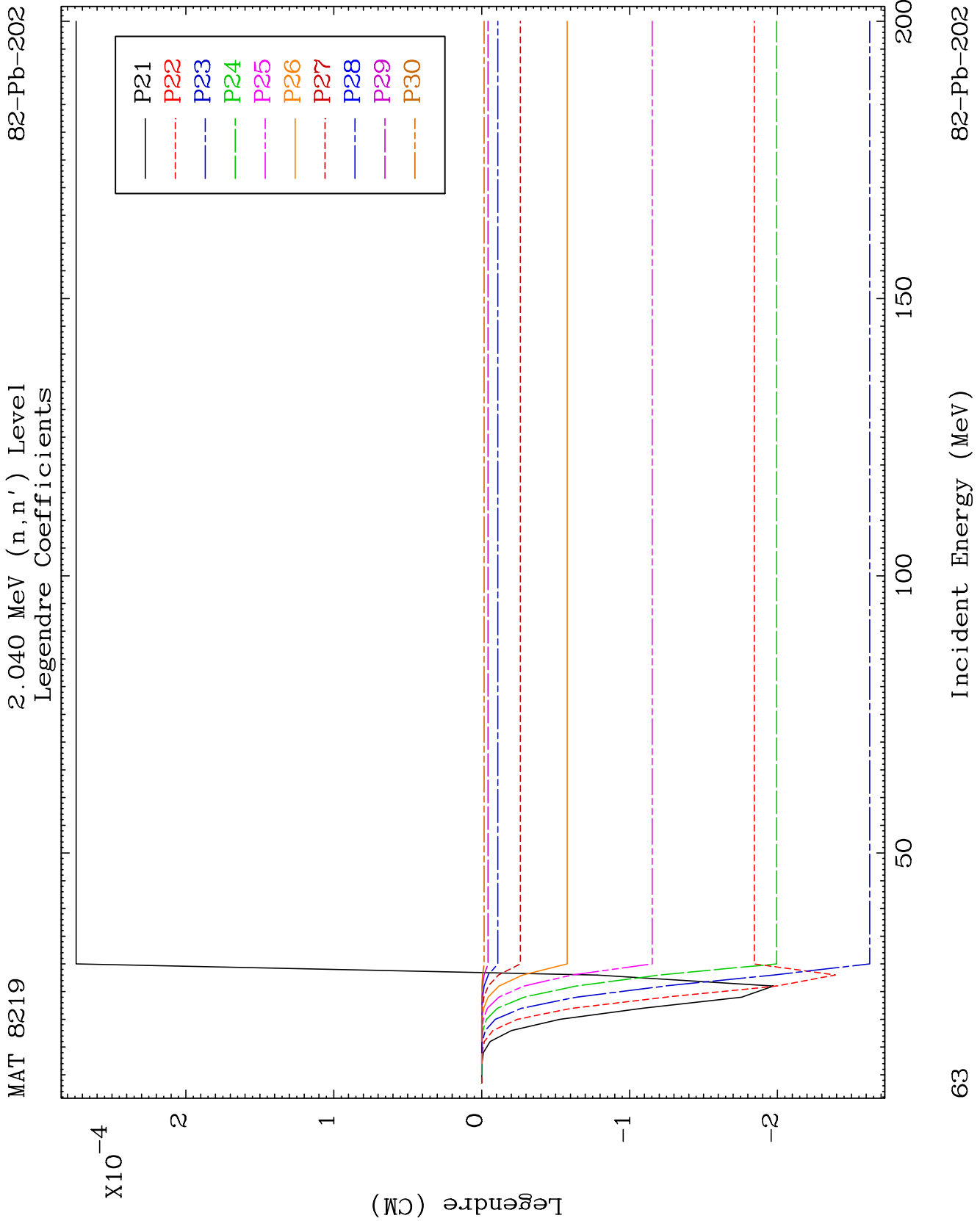
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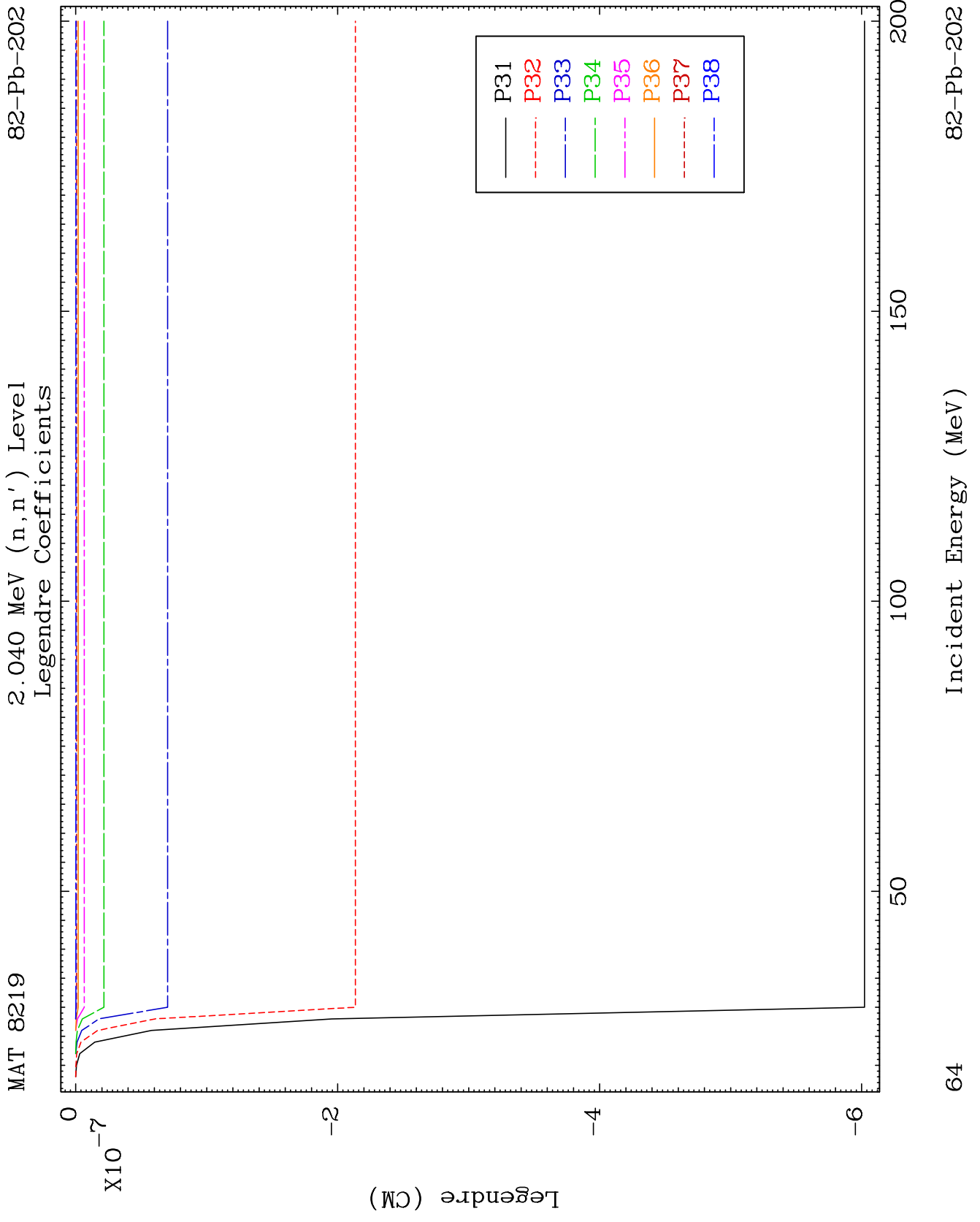


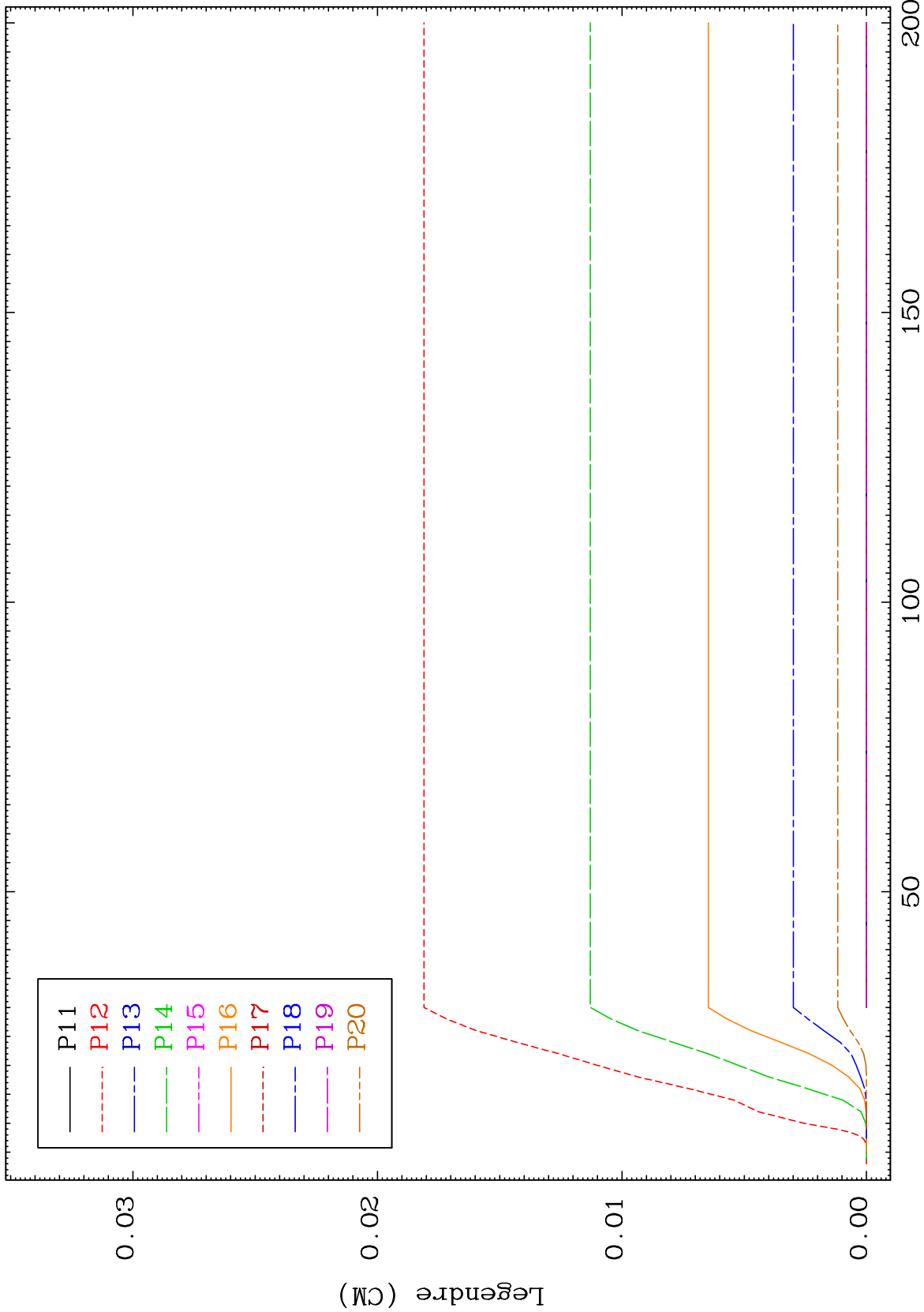
62

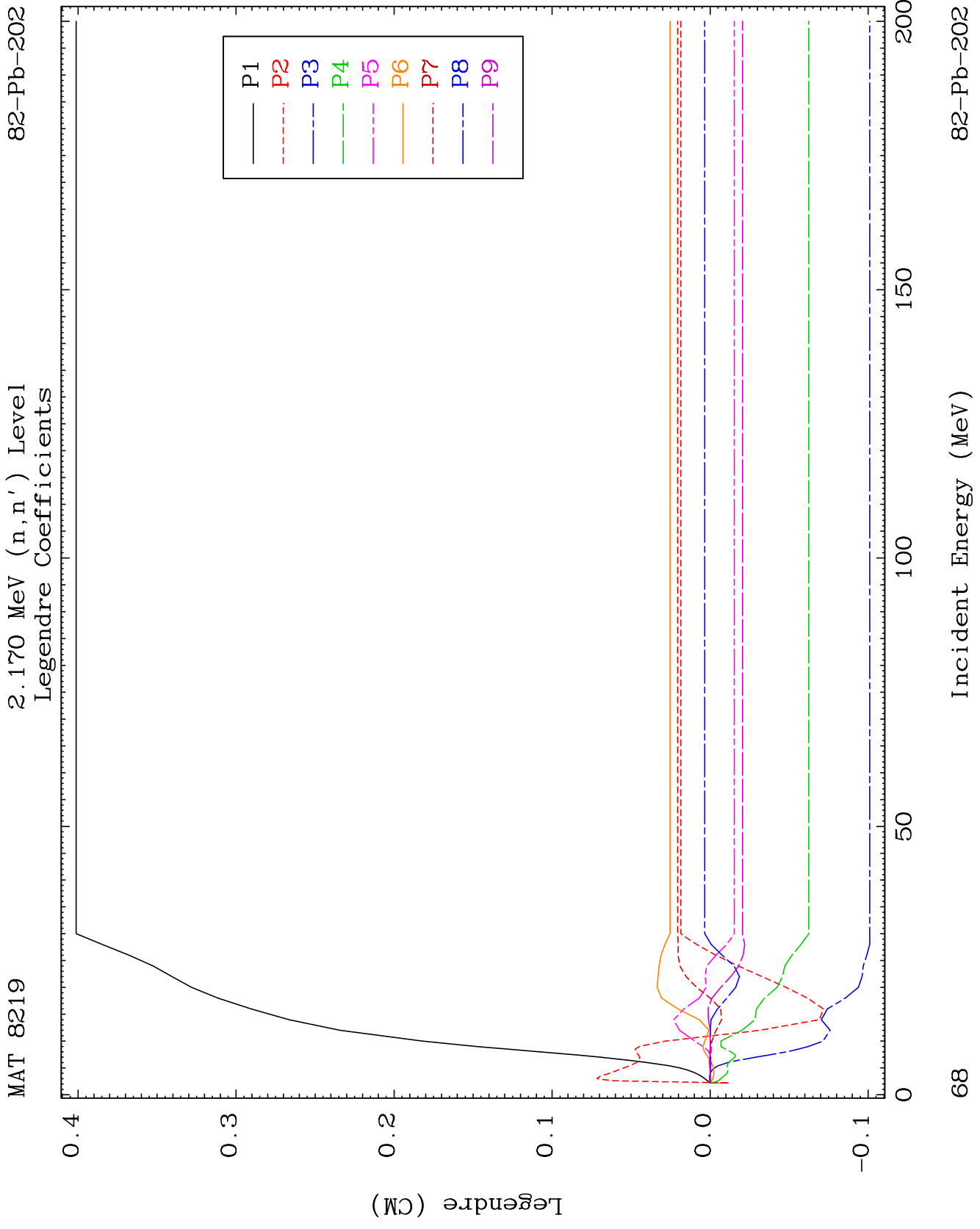
Incident Energy (MeV)

82-Pb-202





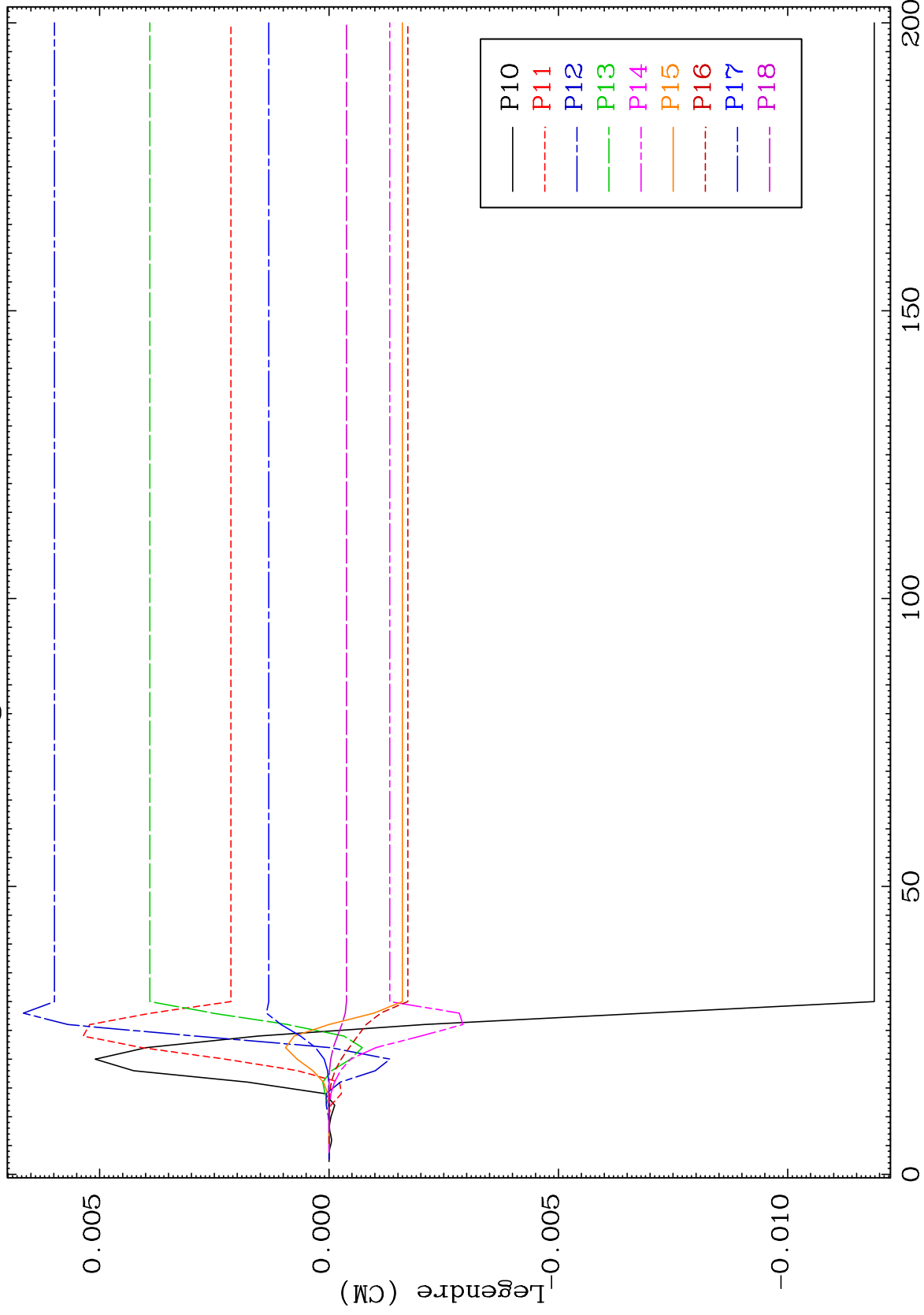




MAT 8219

2.170 MeV (n,n') Level
Legendre Coefficients

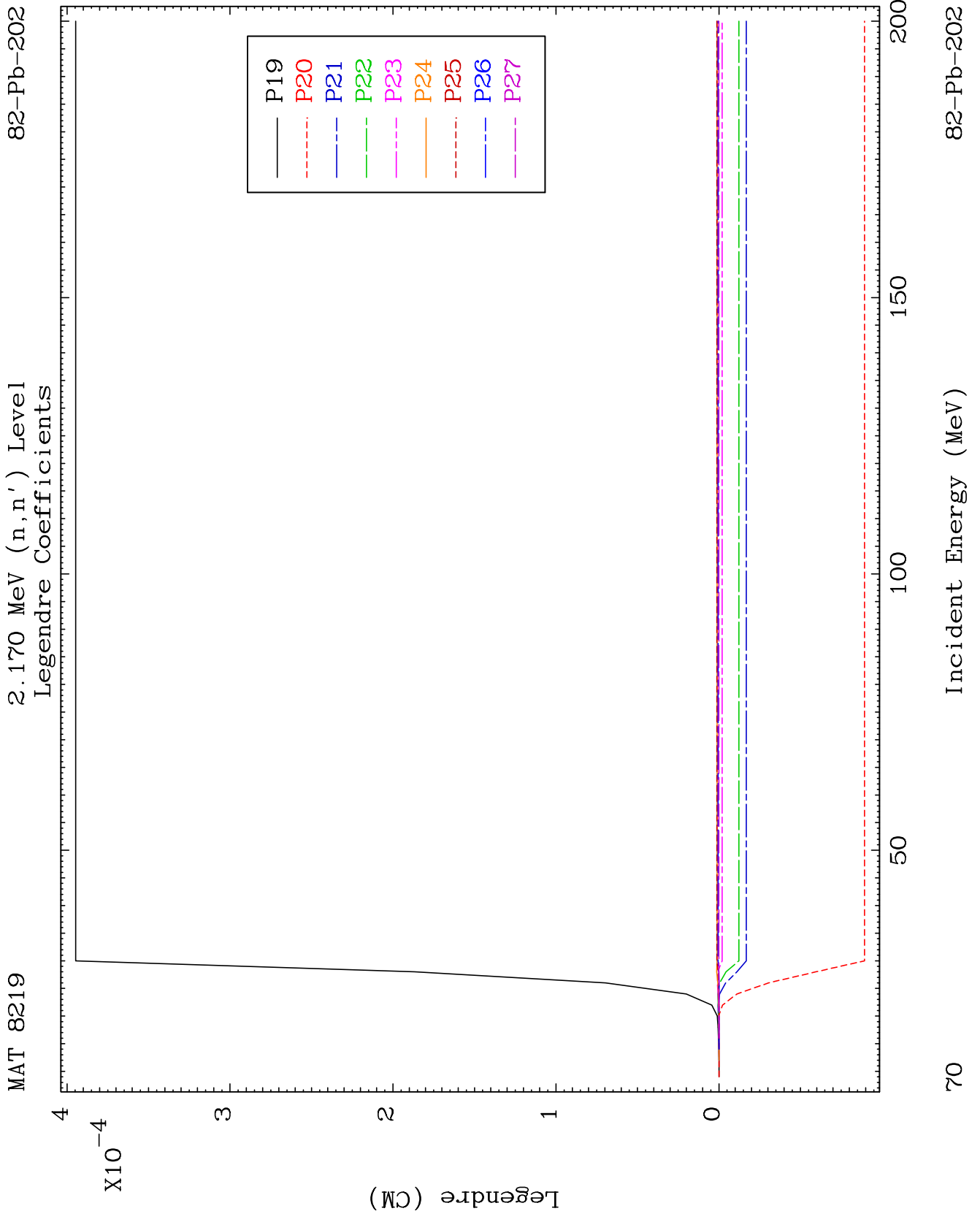
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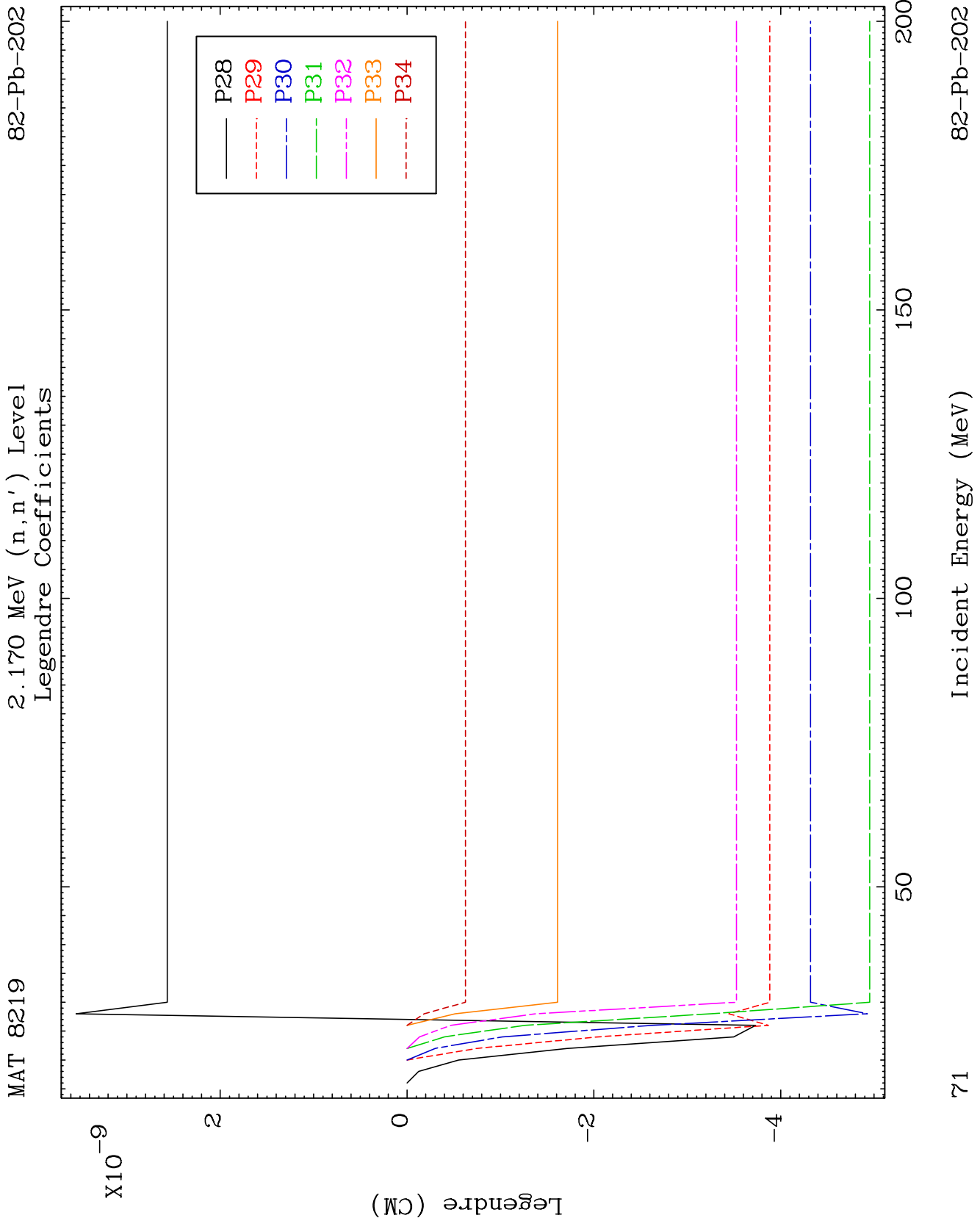


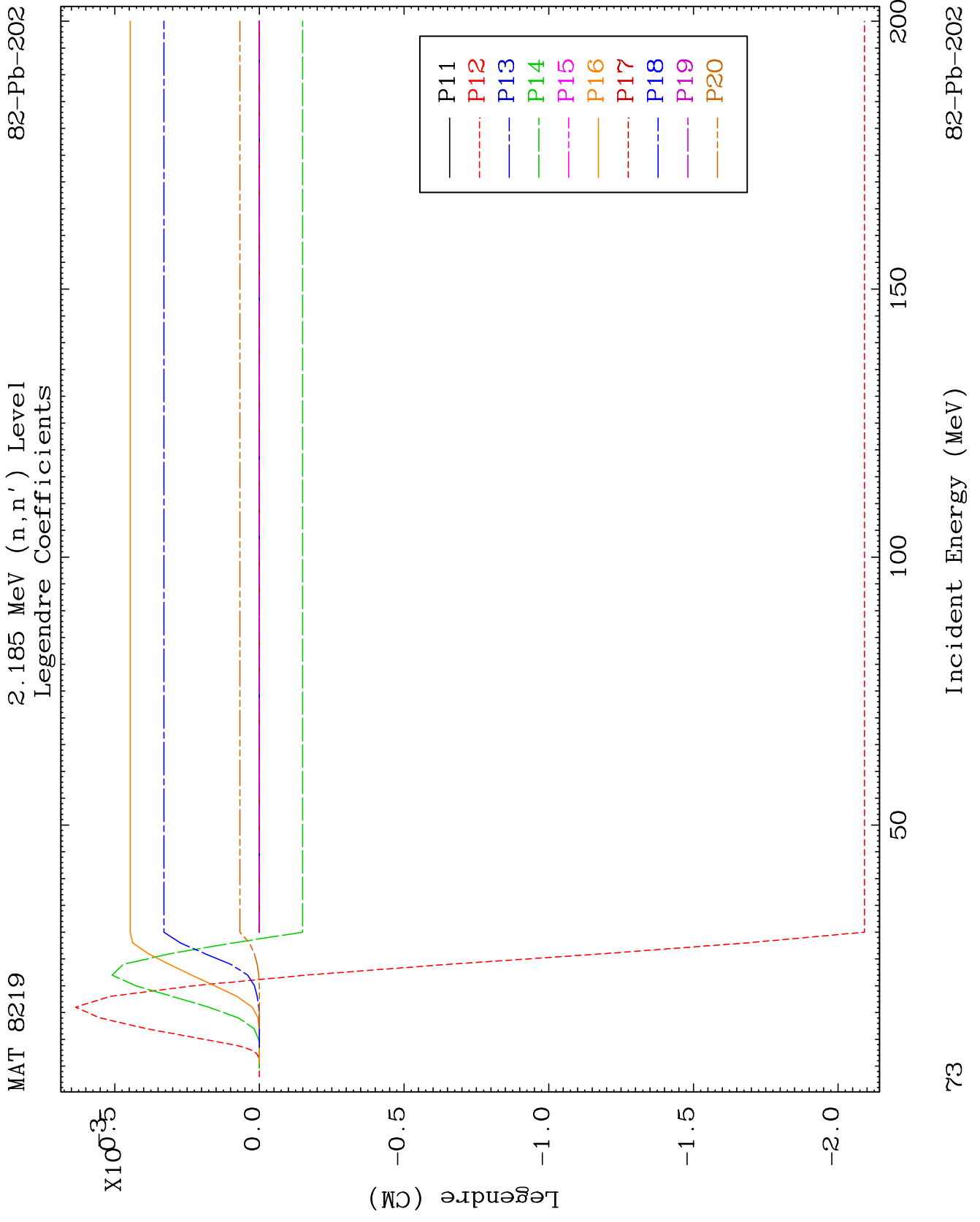
69

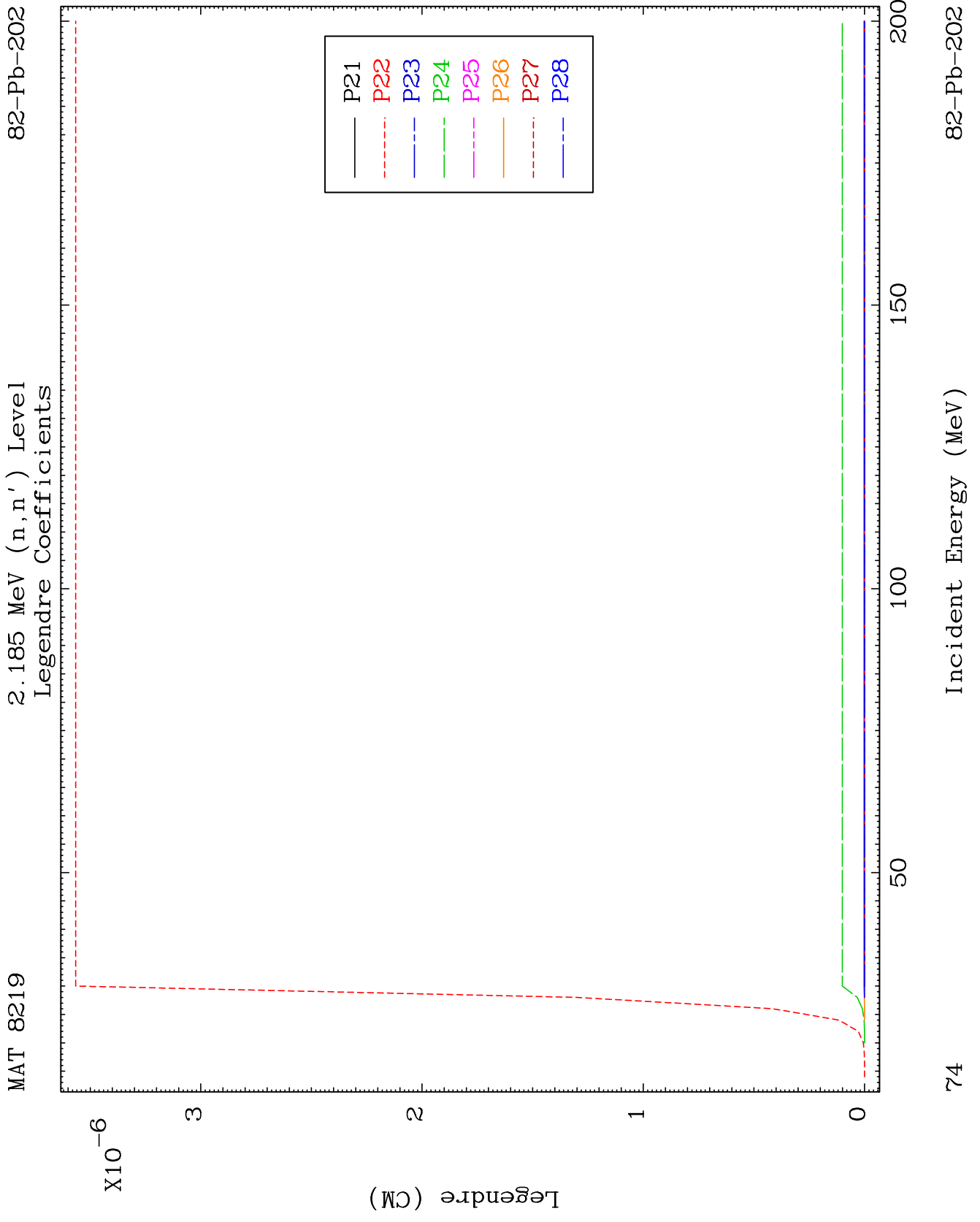
Incident Energy (MeV)

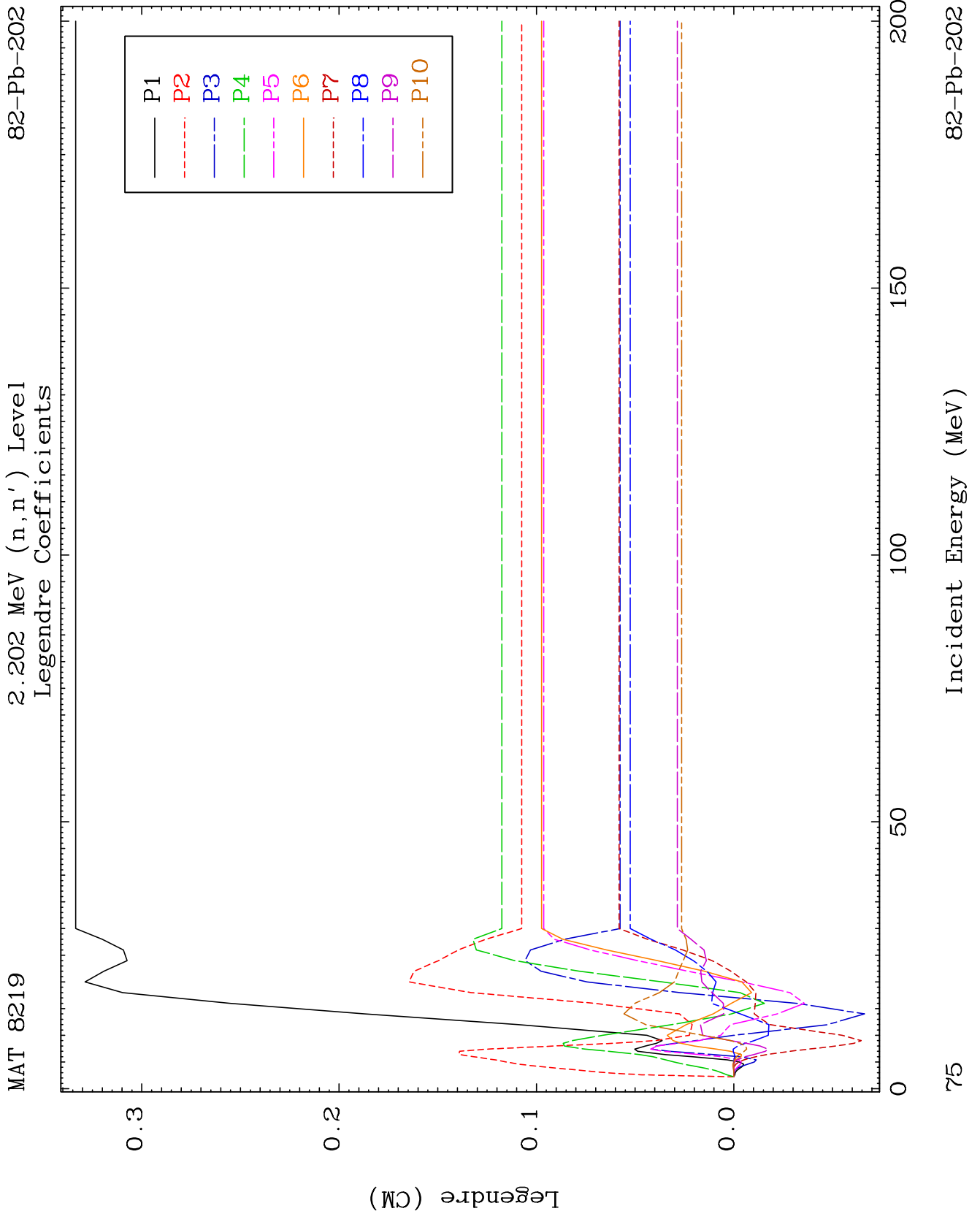
82-Pb-202







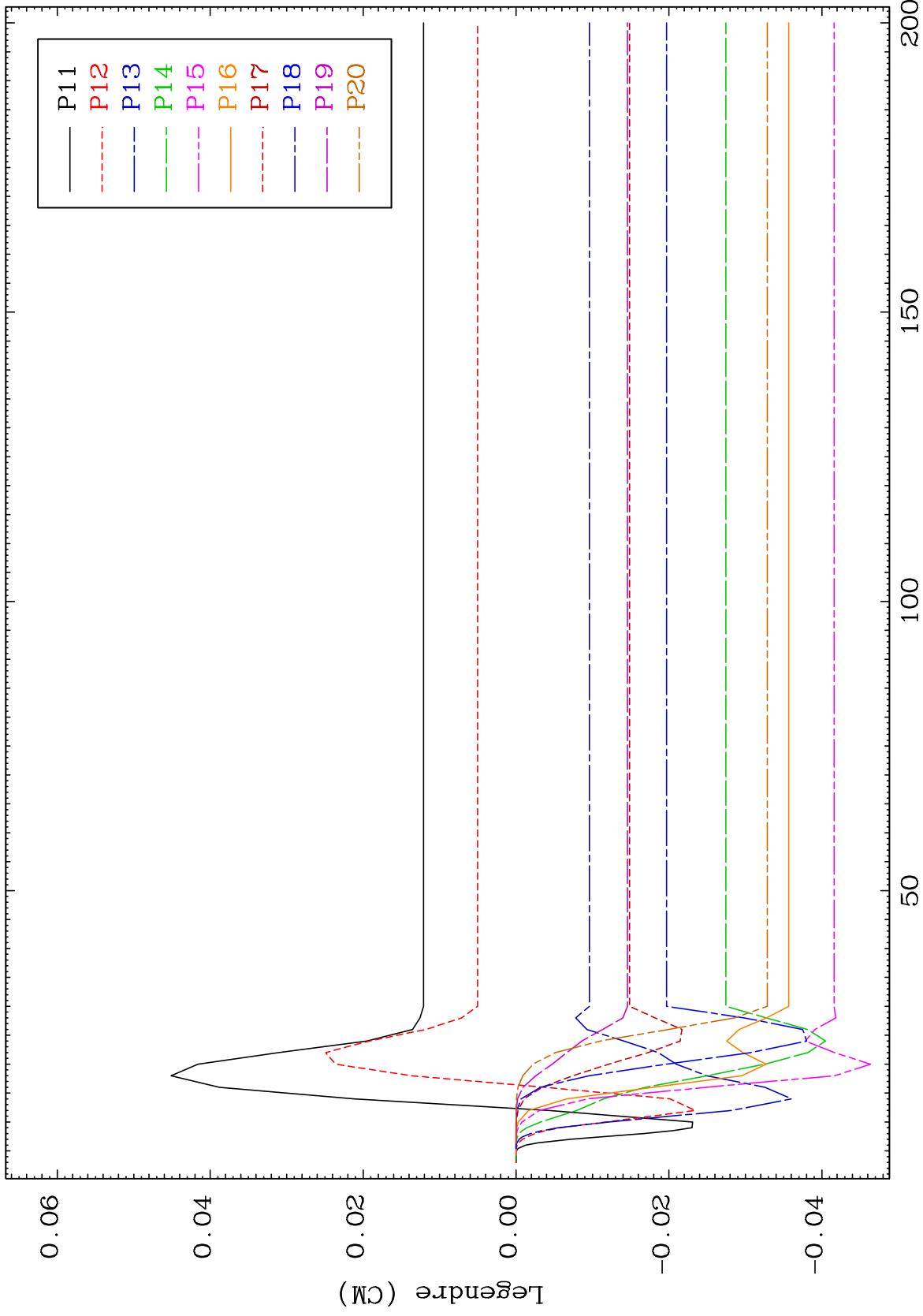




MAT 8219

2.202 MeV (n,n') Level
Legendre Coefficients

82-Pb-202



76

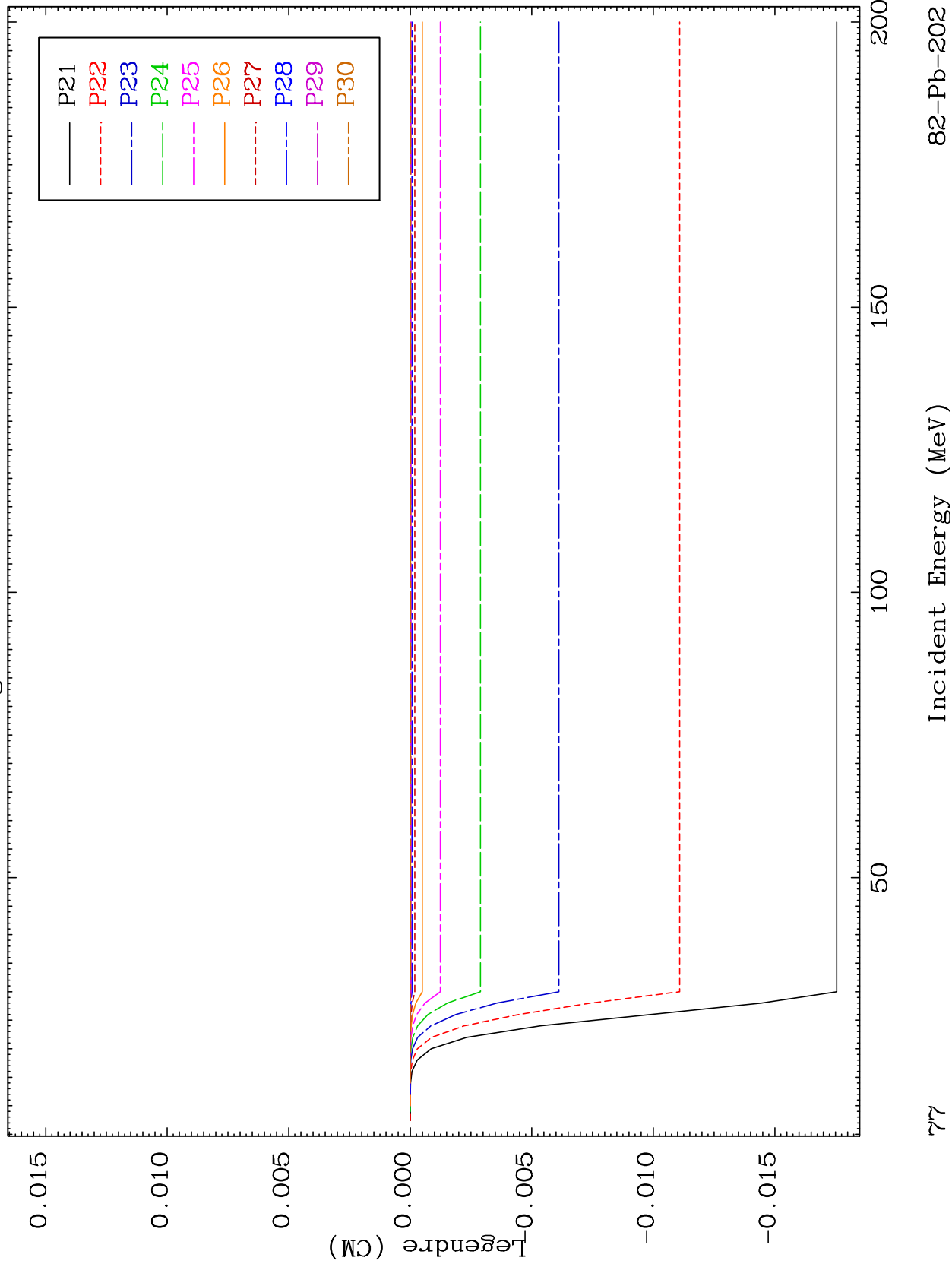
Incident Energy (MeV)

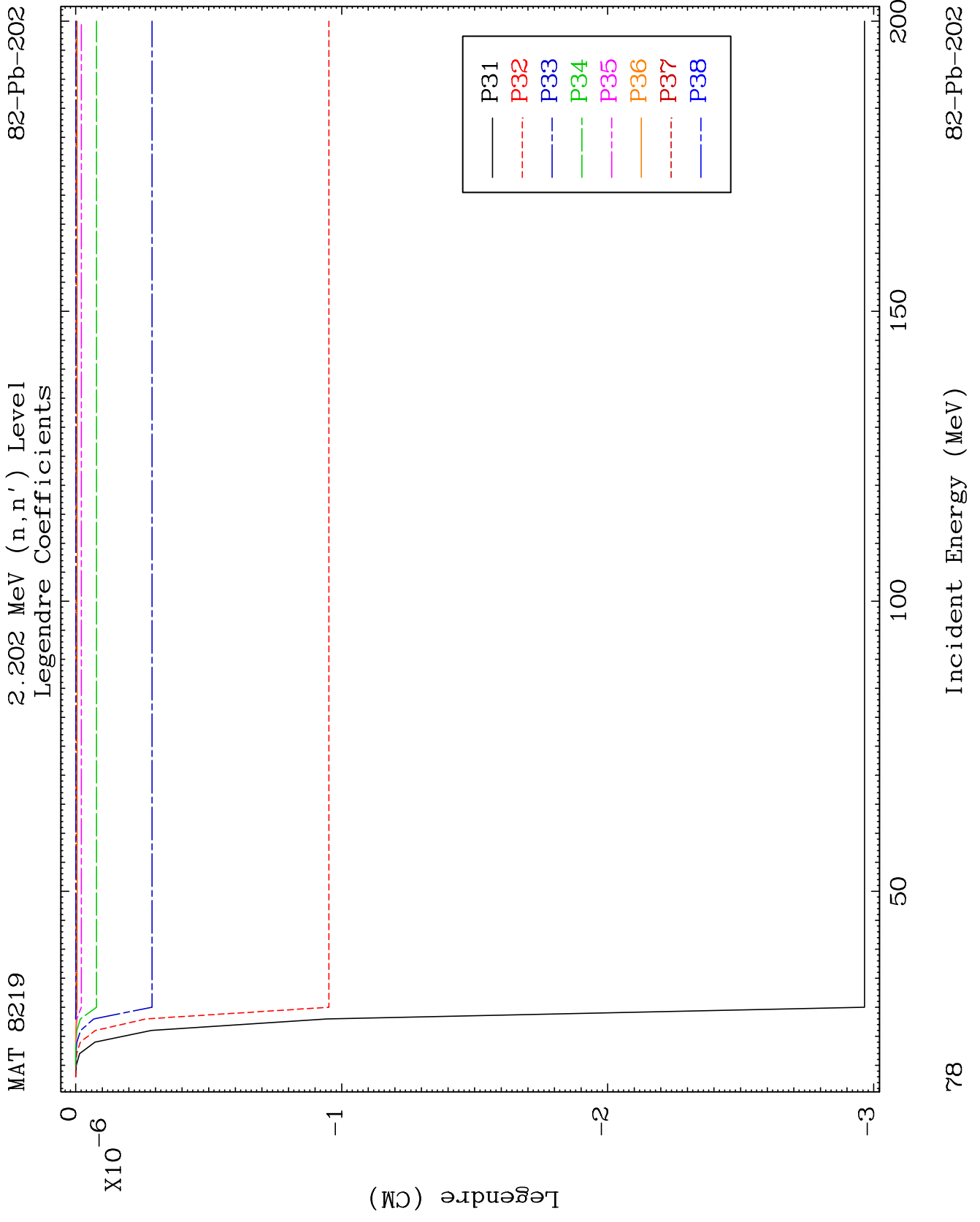
82-Pb-202

MAT 8219

2.202 MeV (n,n') Level
Legendre Coefficients

82-Pb-202

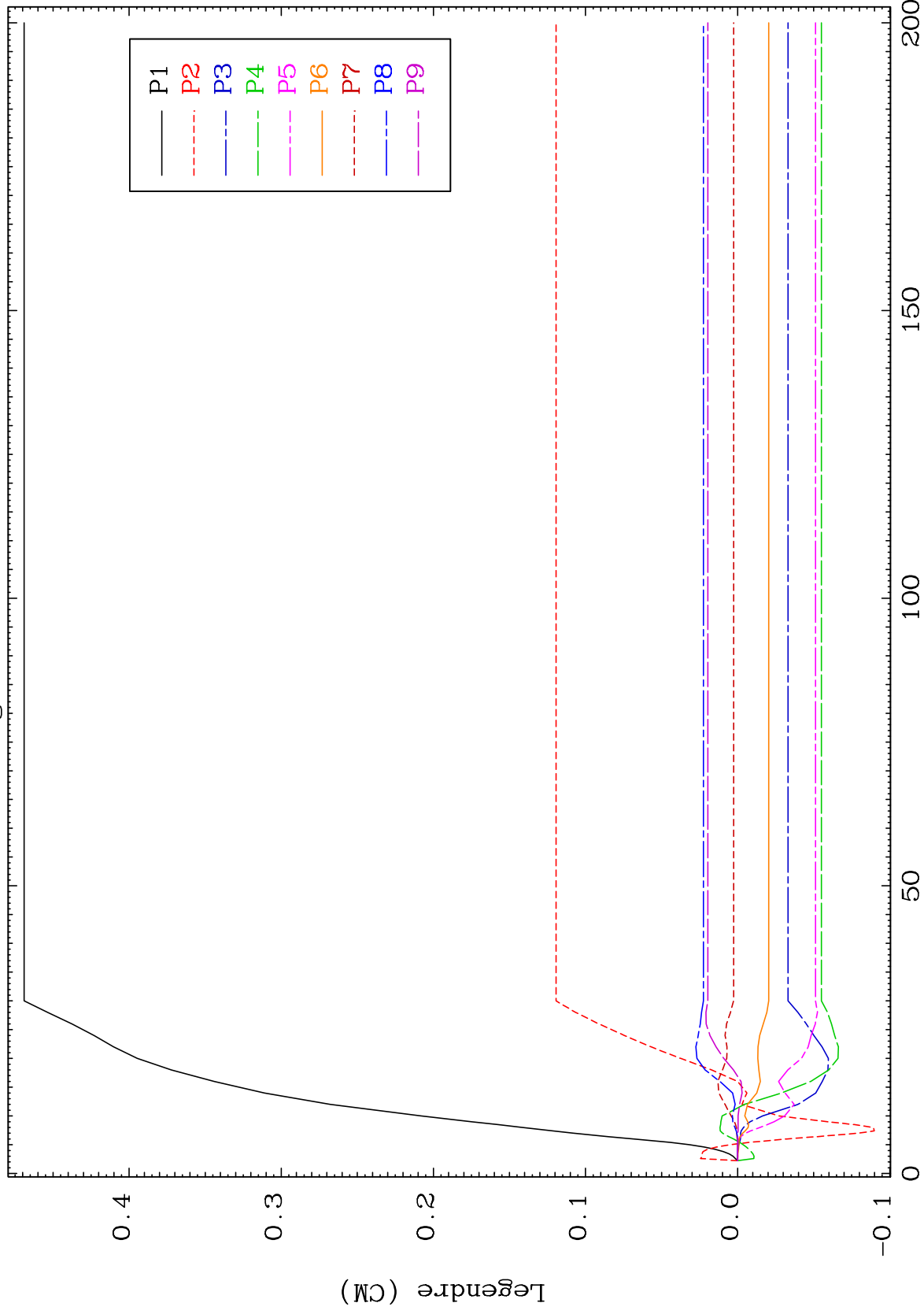




MAT 8219

2.208 MeV (n,n') Level
Legendre Coefficients

82-Pb-202



79

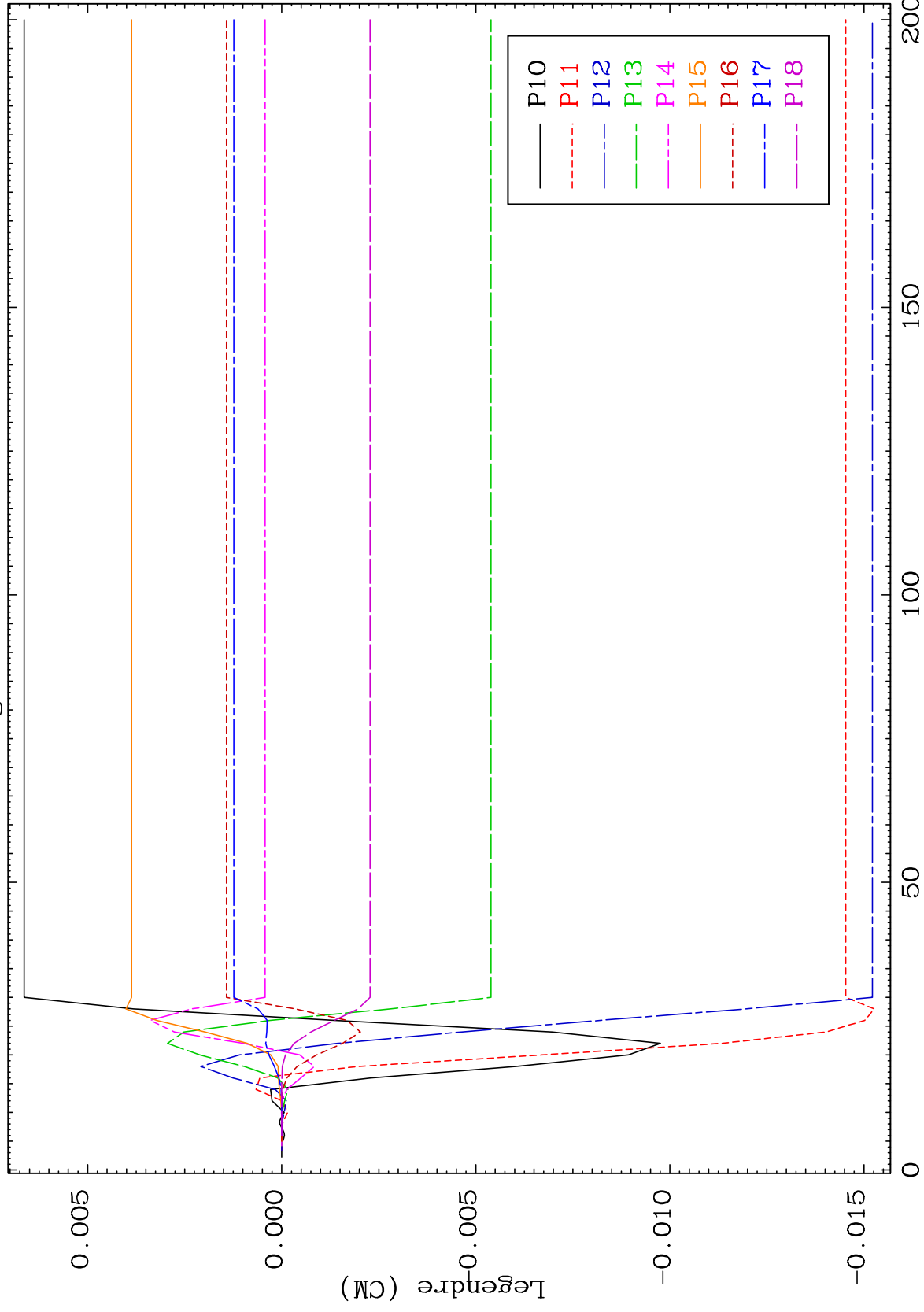
Incident Energy (MeV)

82-Pb-202

MAT 8219

2.208 MeV (n,n') Level
Legendre Coefficients

82-Pb-202



80

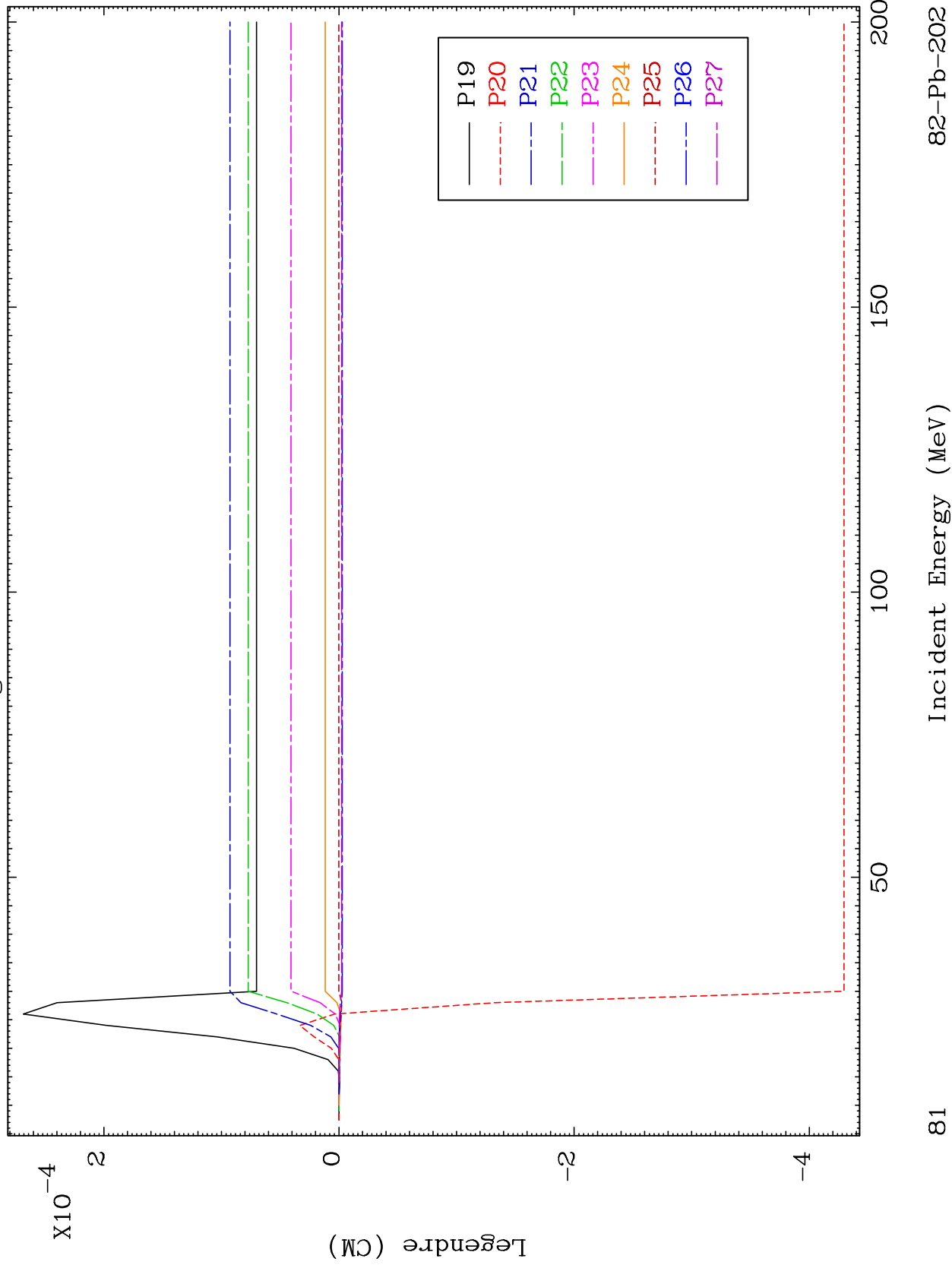
Incident Energy (MeV)

82-Pb-202

MAT 8219

2.208 MeV (n,n') Level
Legendre Coefficients

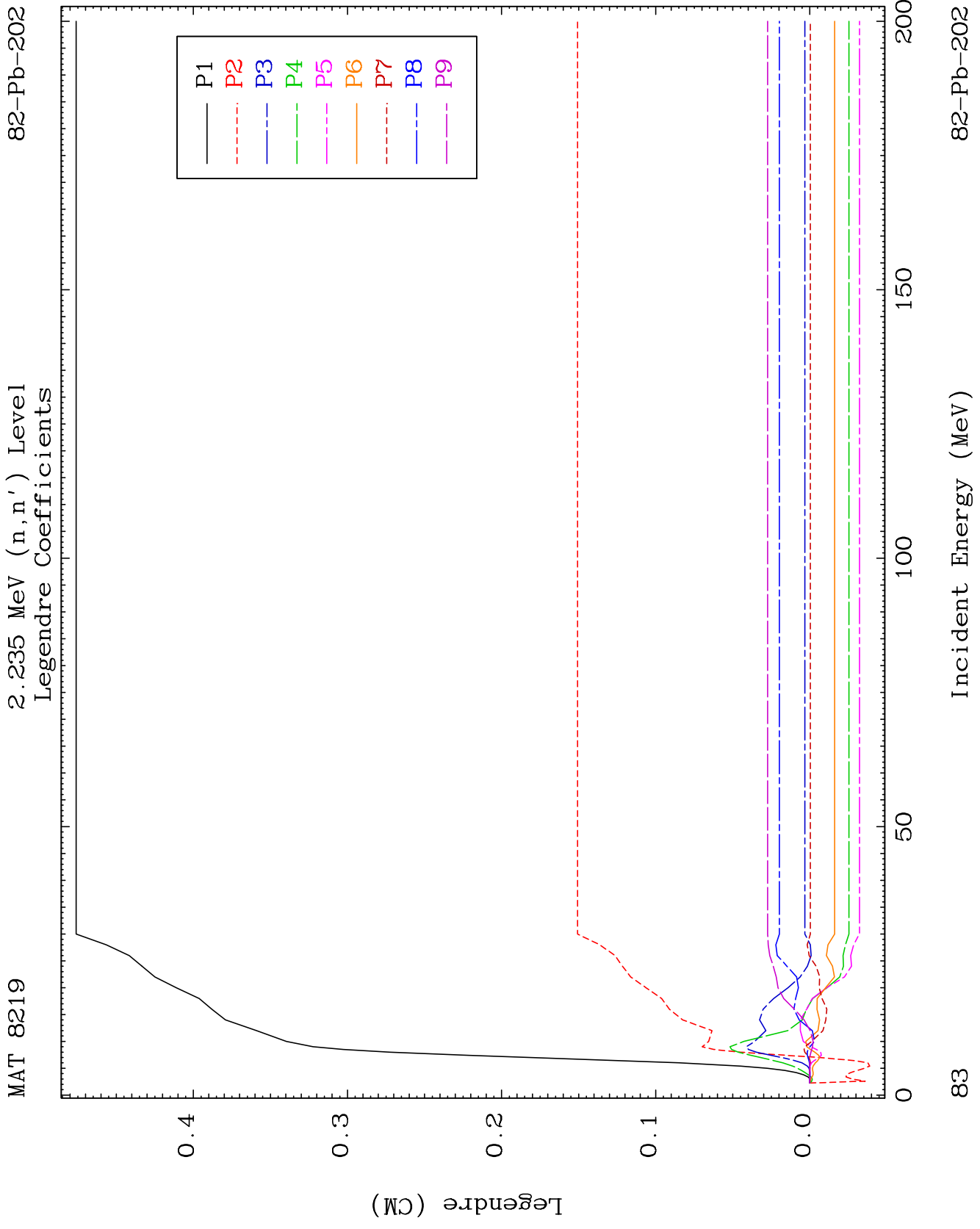
82-Pb-202



81

Incident Energy (MeV)

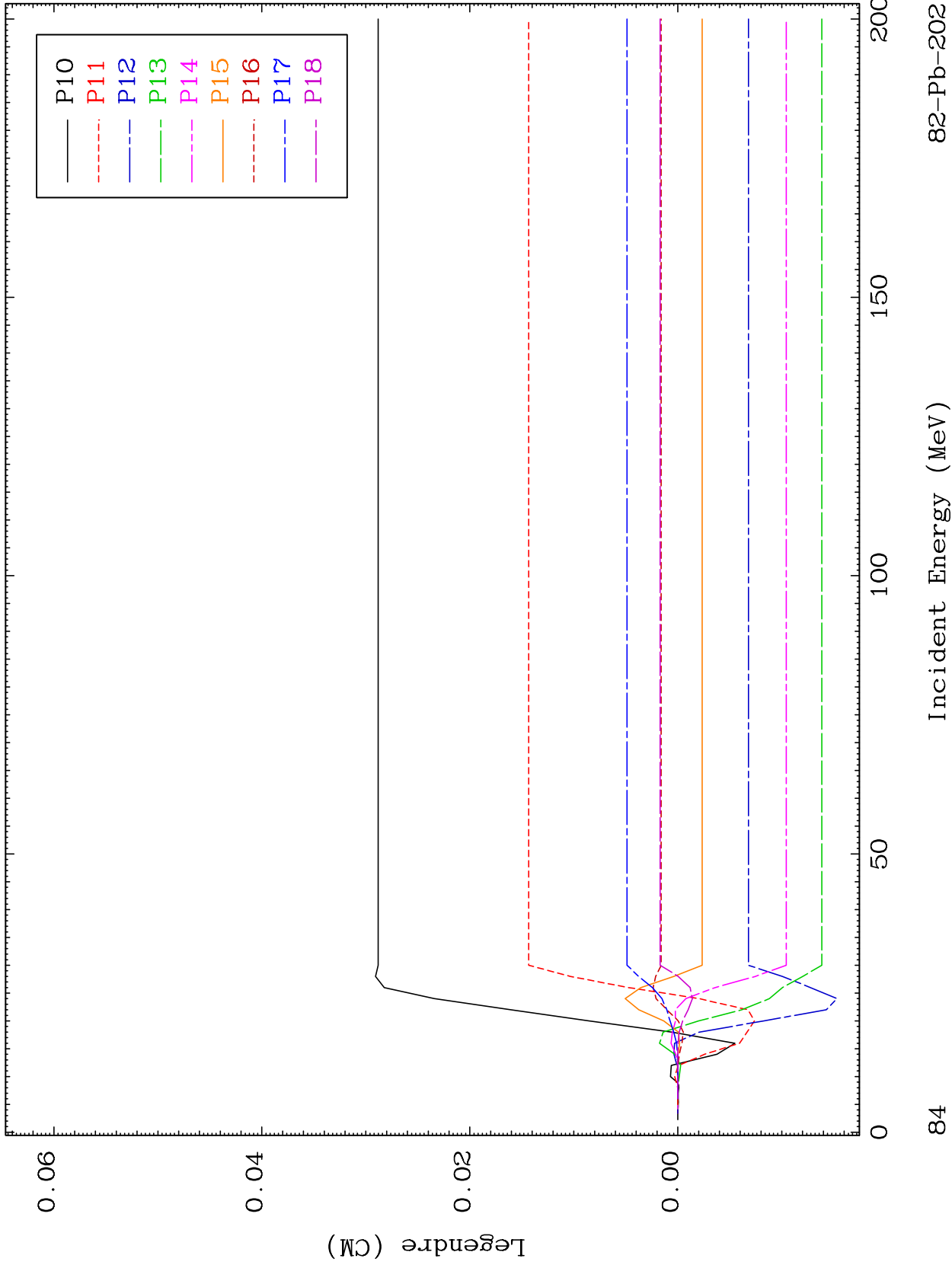
82-Pb-202



MAT 8219

2.235 MeV (n,n') Level
Legendre Coefficients

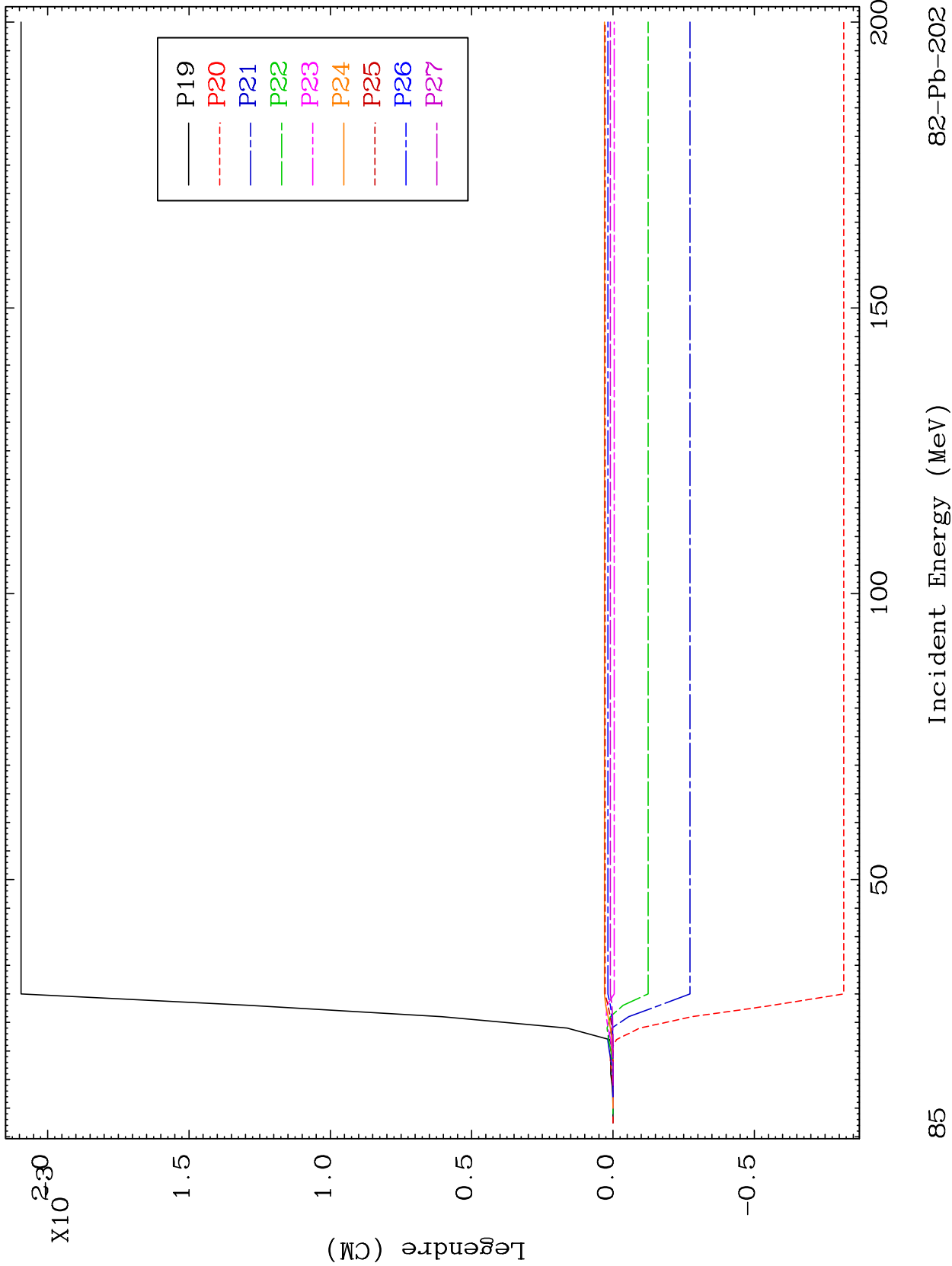
82-Pb-202

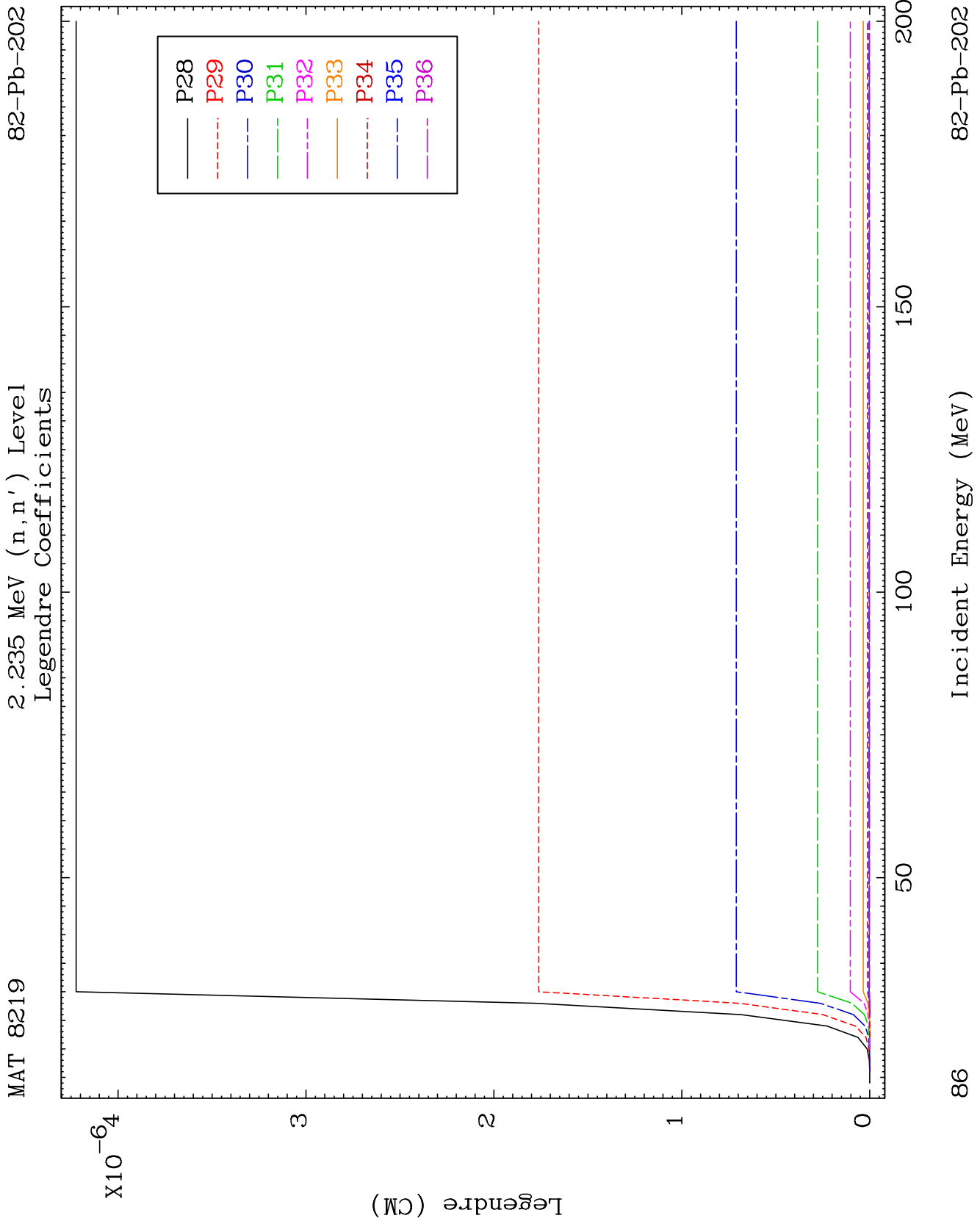


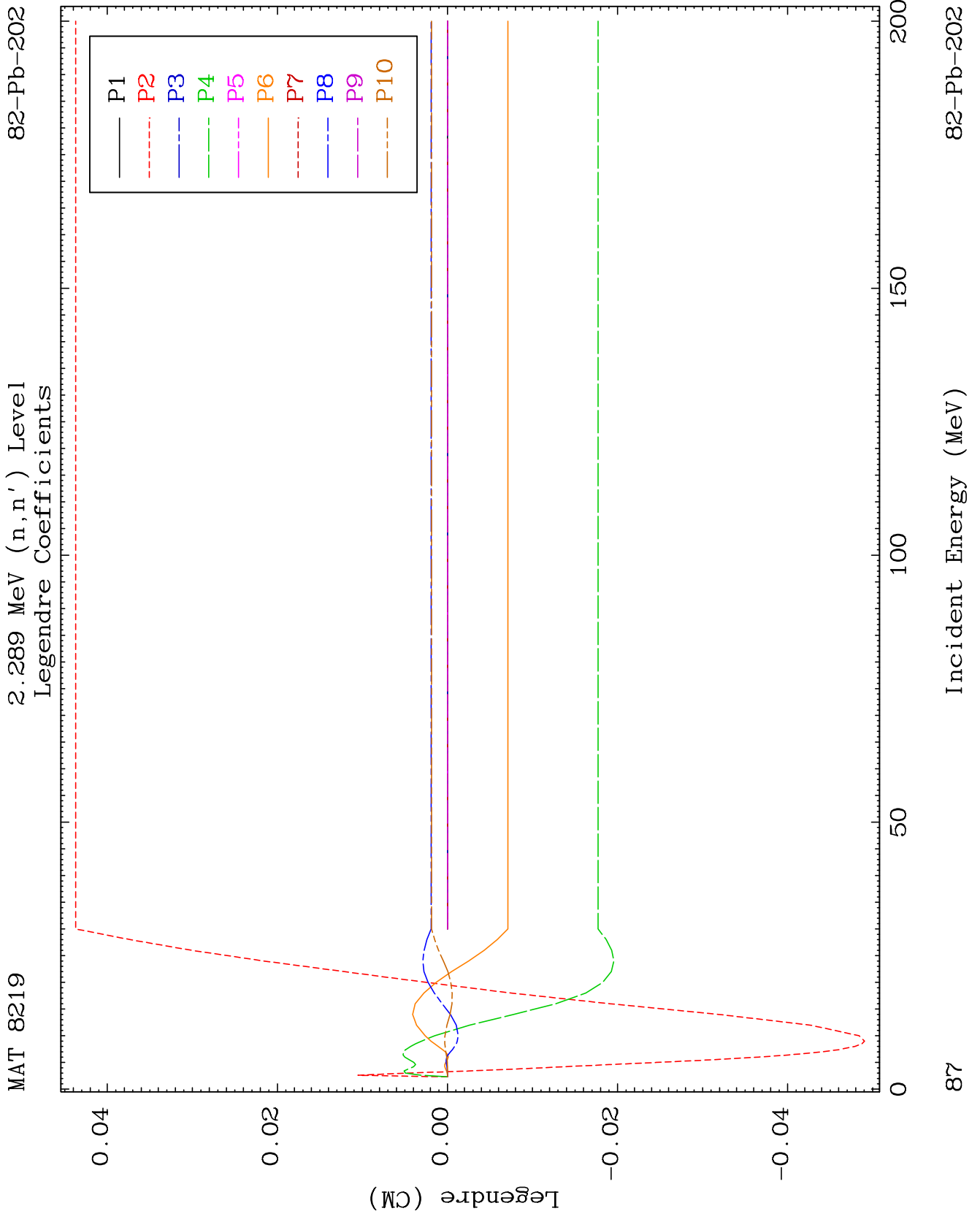
84

Incident Energy (MeV)

82-Pb-202



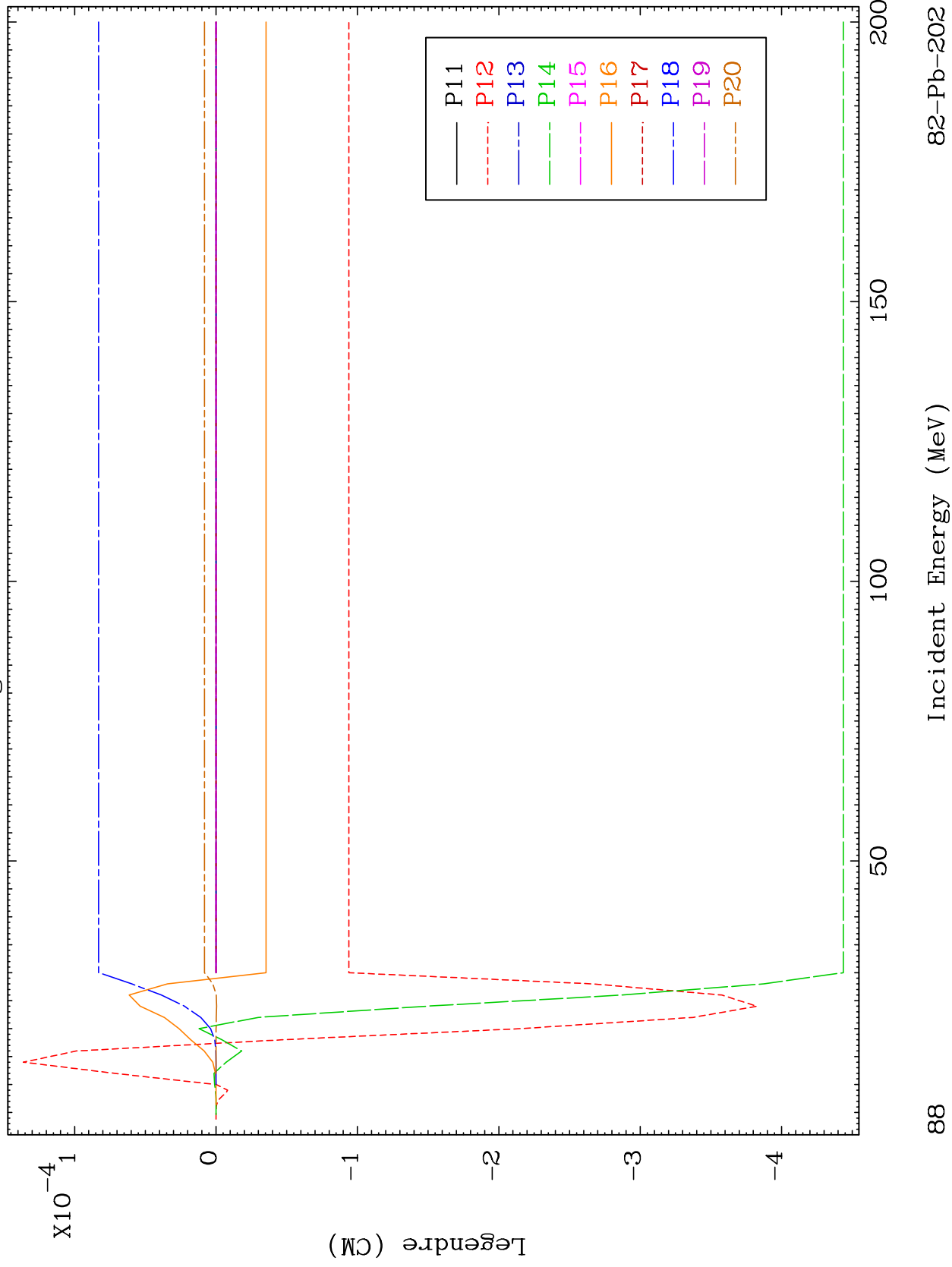


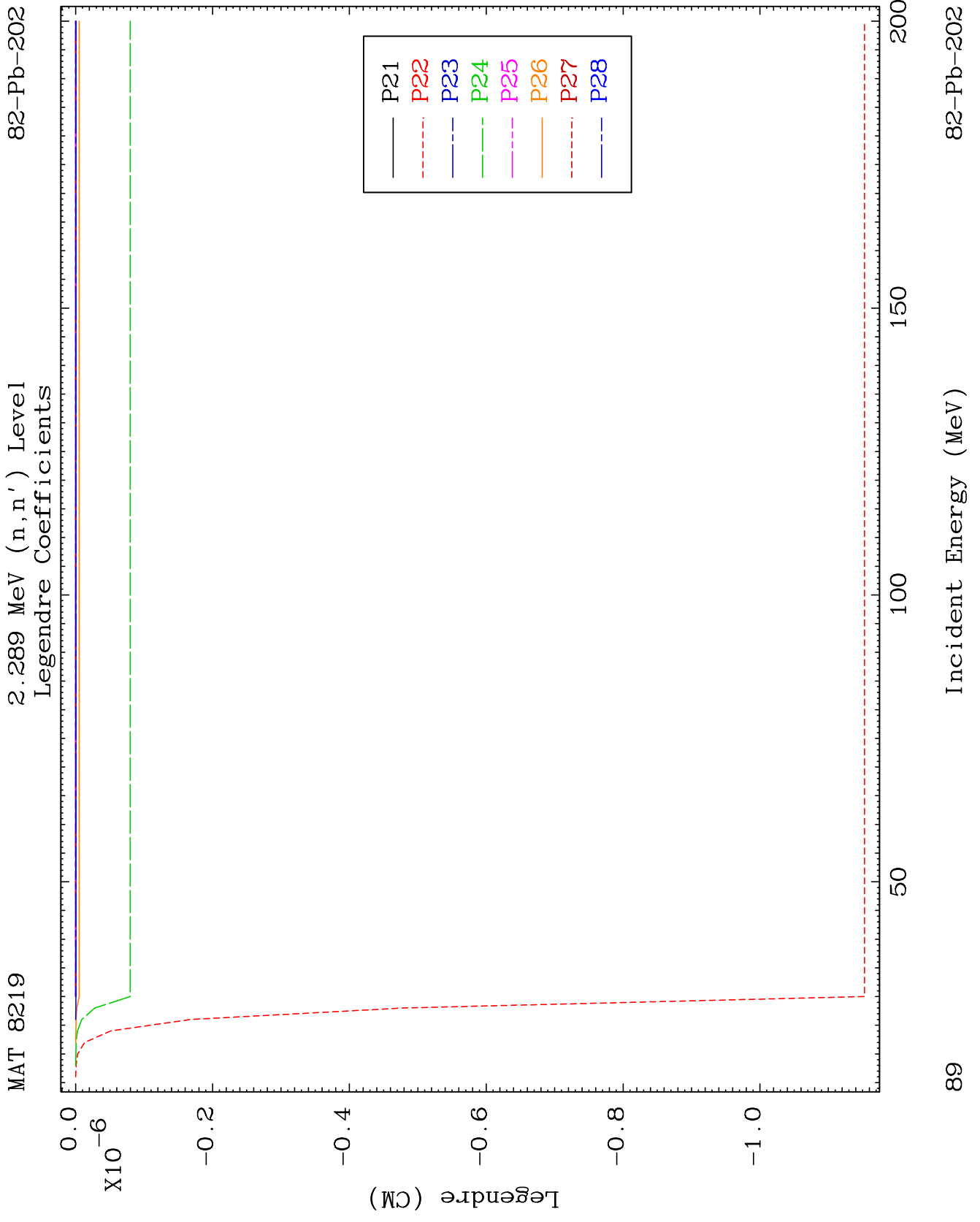


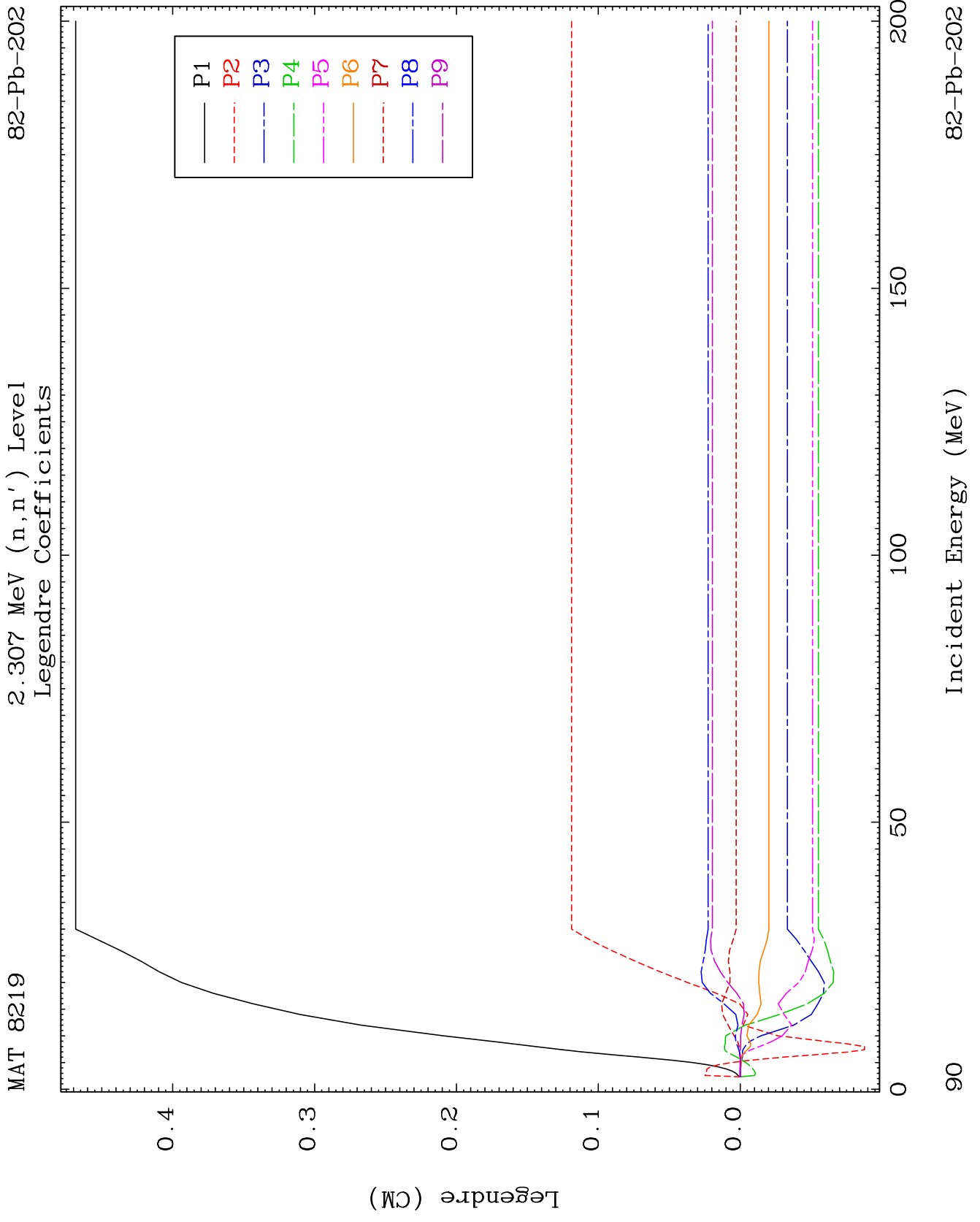
MAT 8219

2.289 MeV (n,n') Level
Legendre Coefficients

82-Pb-202



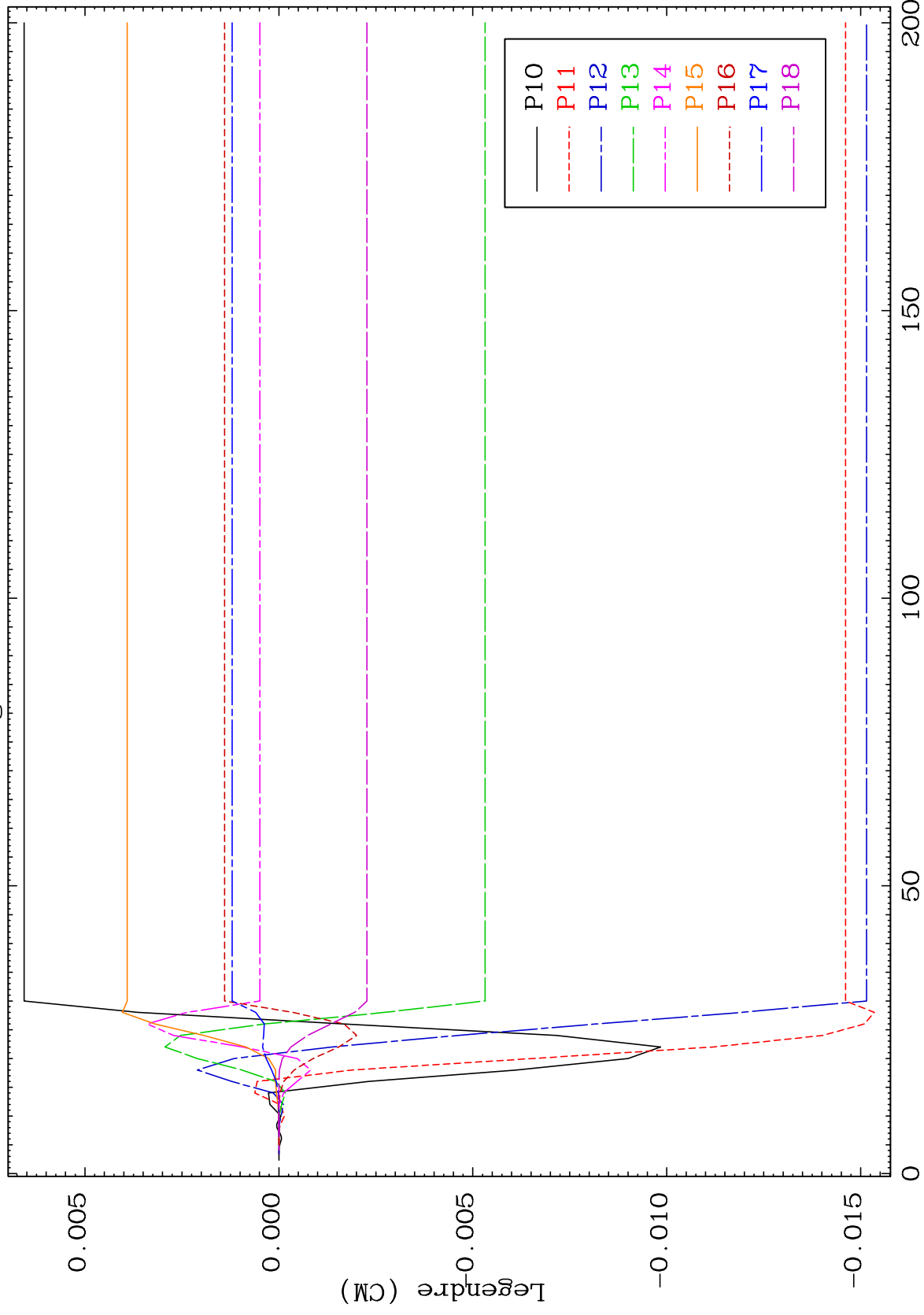




MAT 8219

2.307 MeV (n, n') Level
Legendre Coefficients

82-Pb-202



91

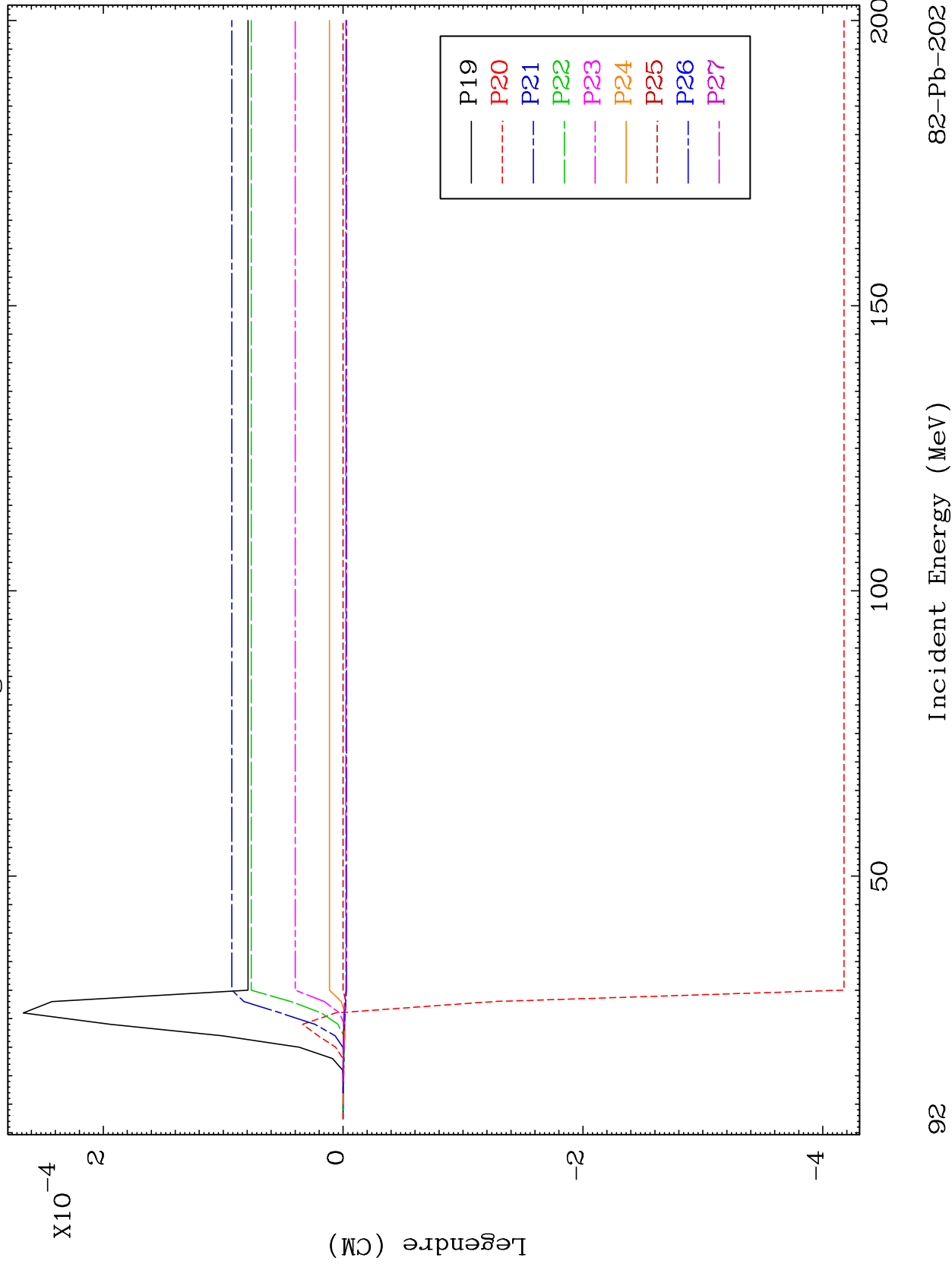
Incident Energy (MeV)

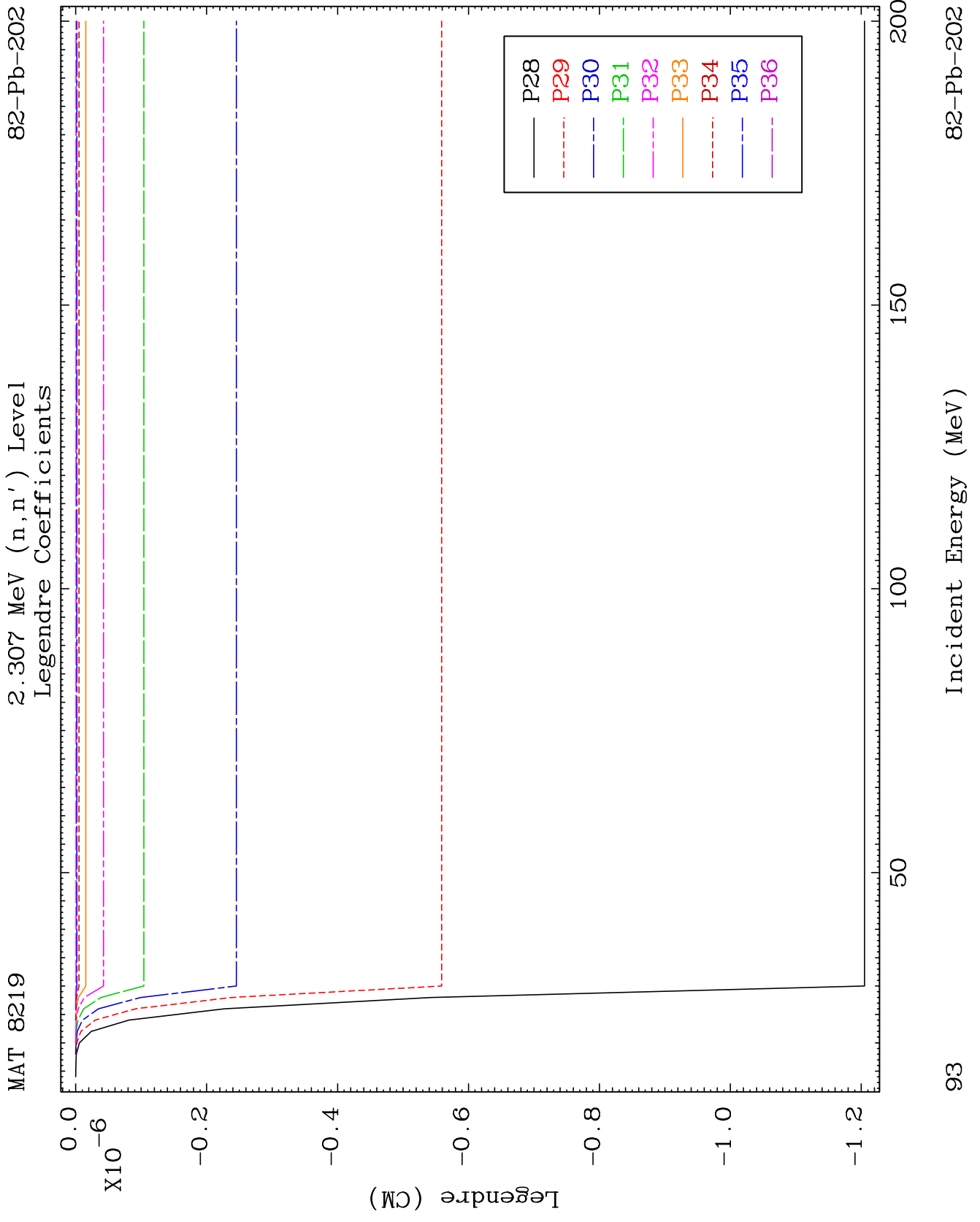
82-Pb-202

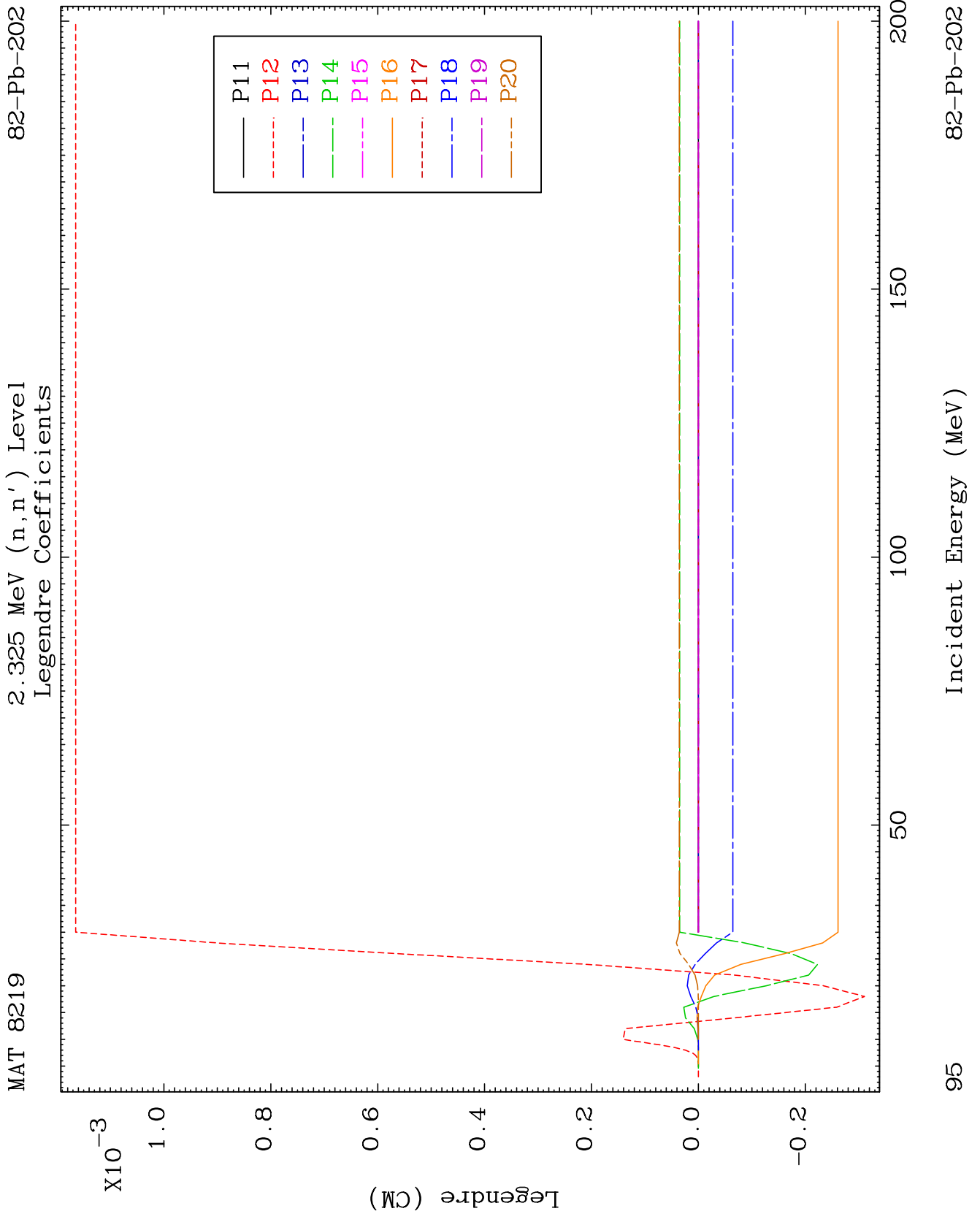
MAT 8219

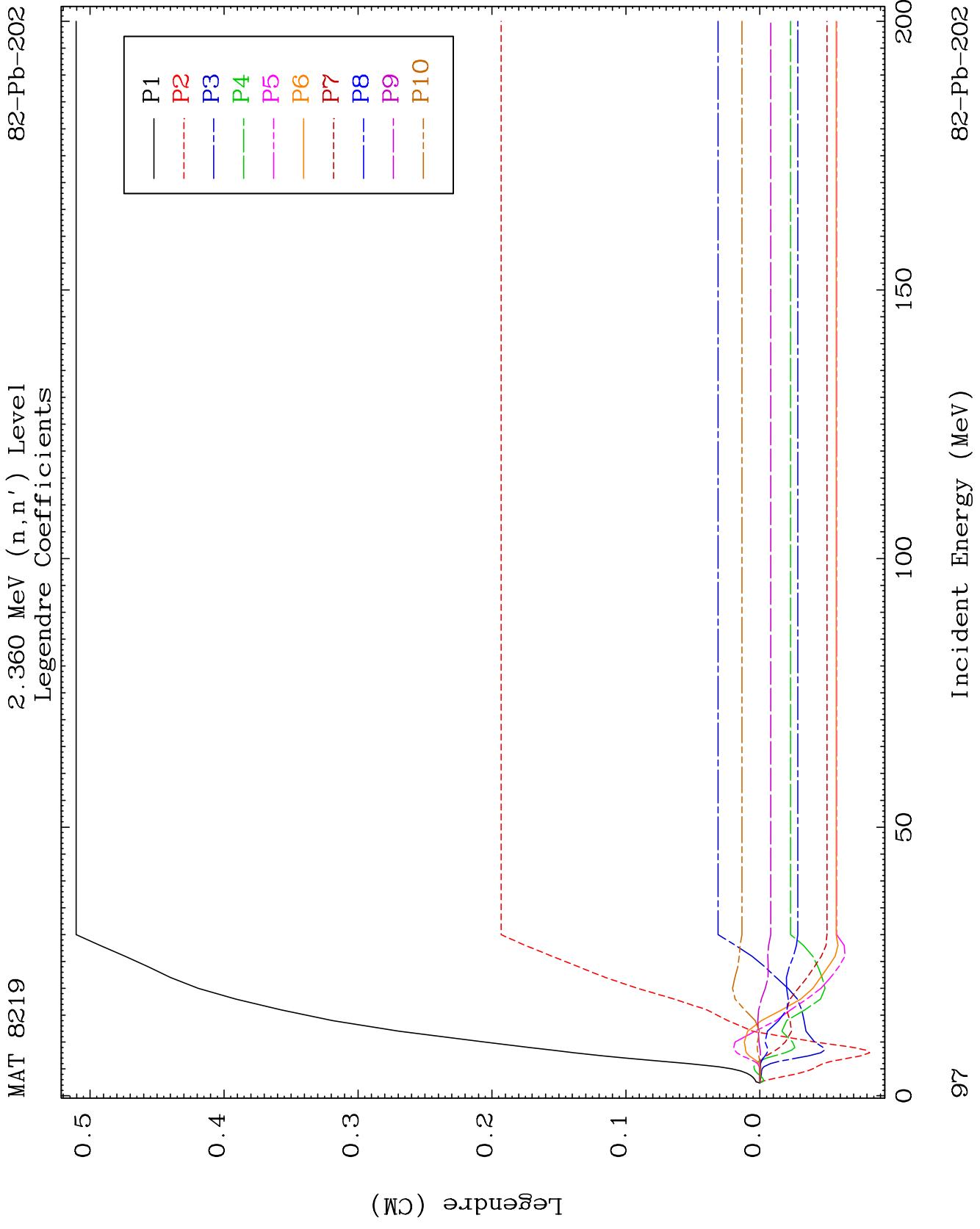
2.307 MeV (n,n') Level
Legendre Coefficients

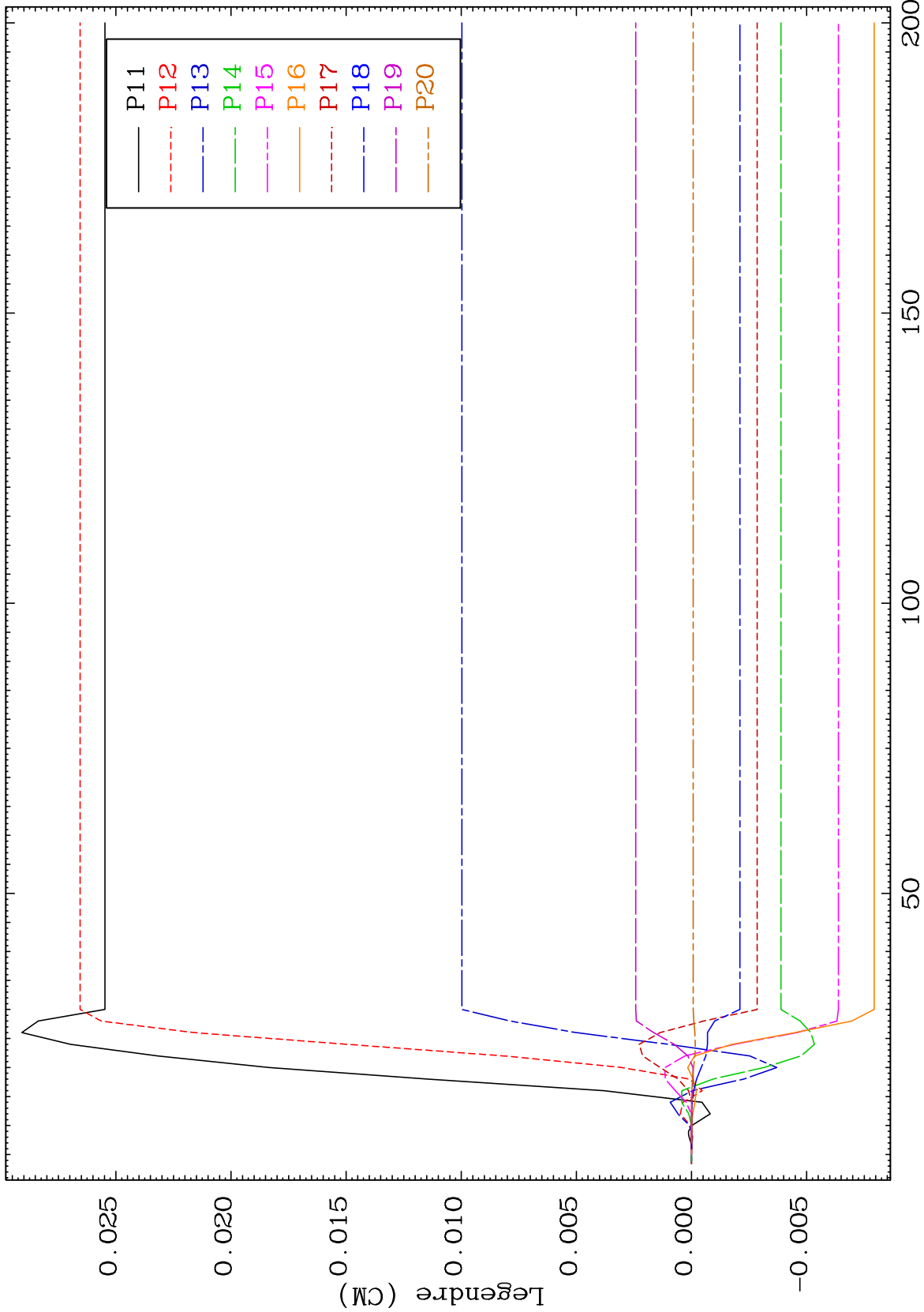
82-Pb-202

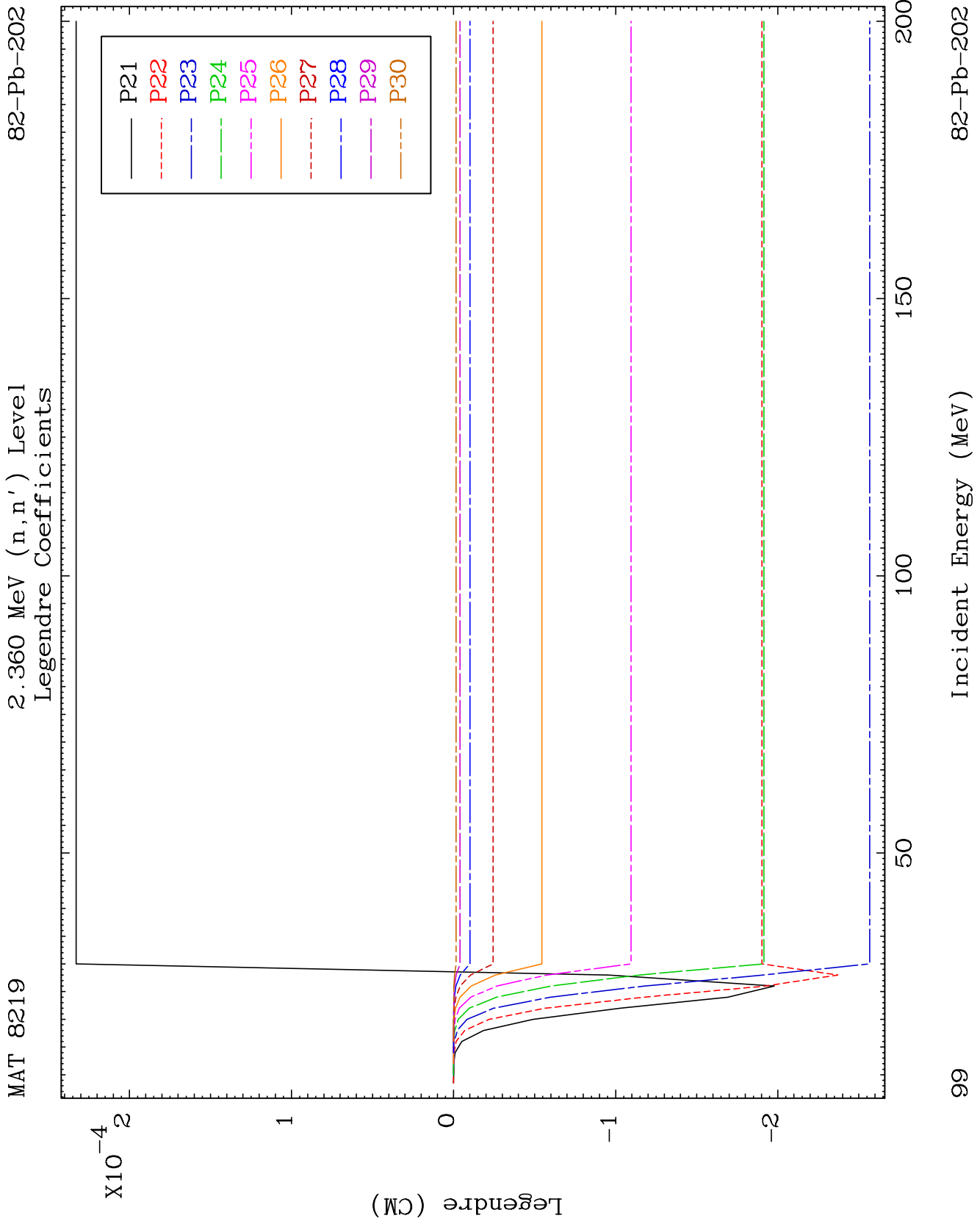


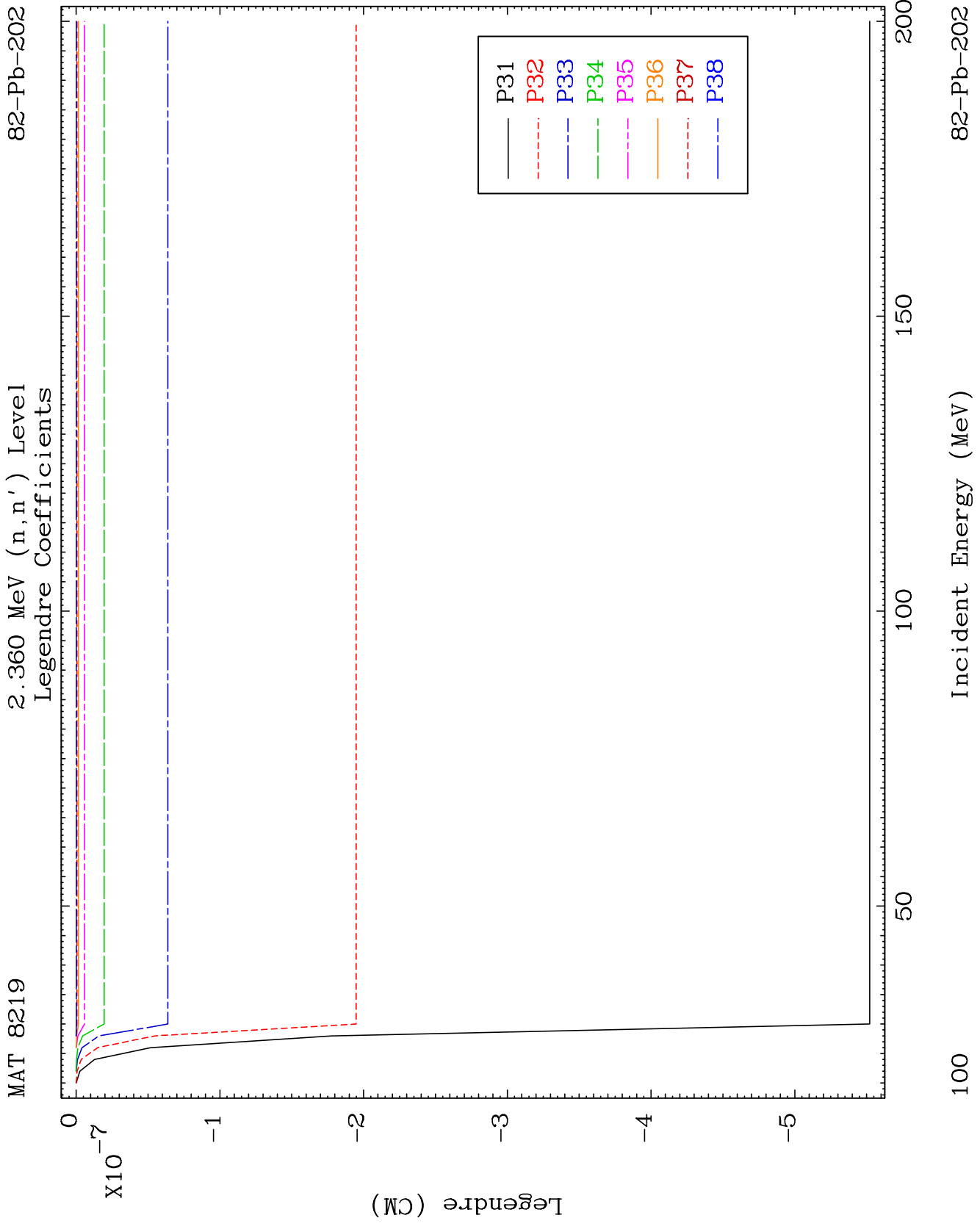








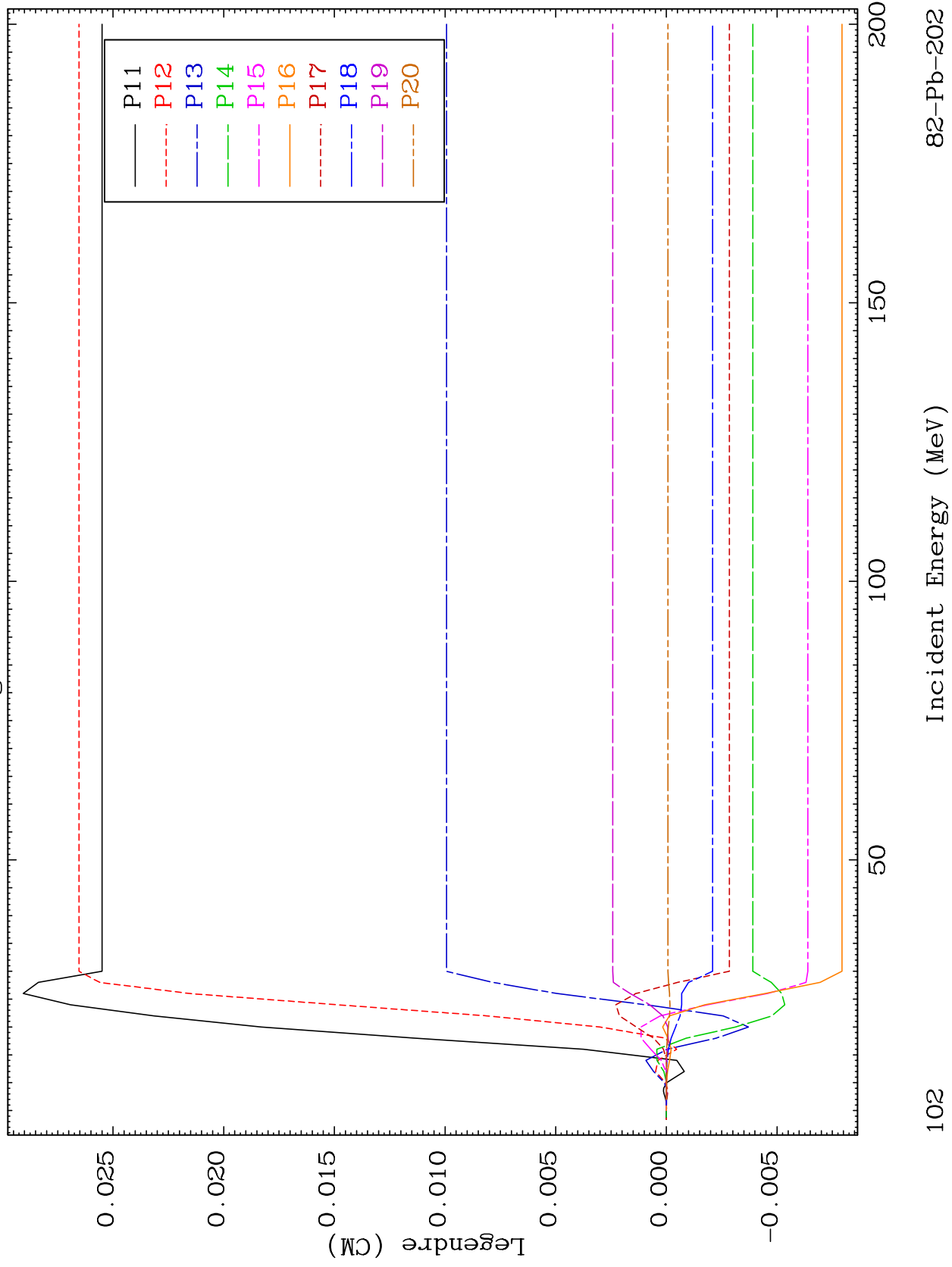




MAT 8219

2.387 MeV (n,n') Level
Legendre Coefficients

82-Pb-202



102

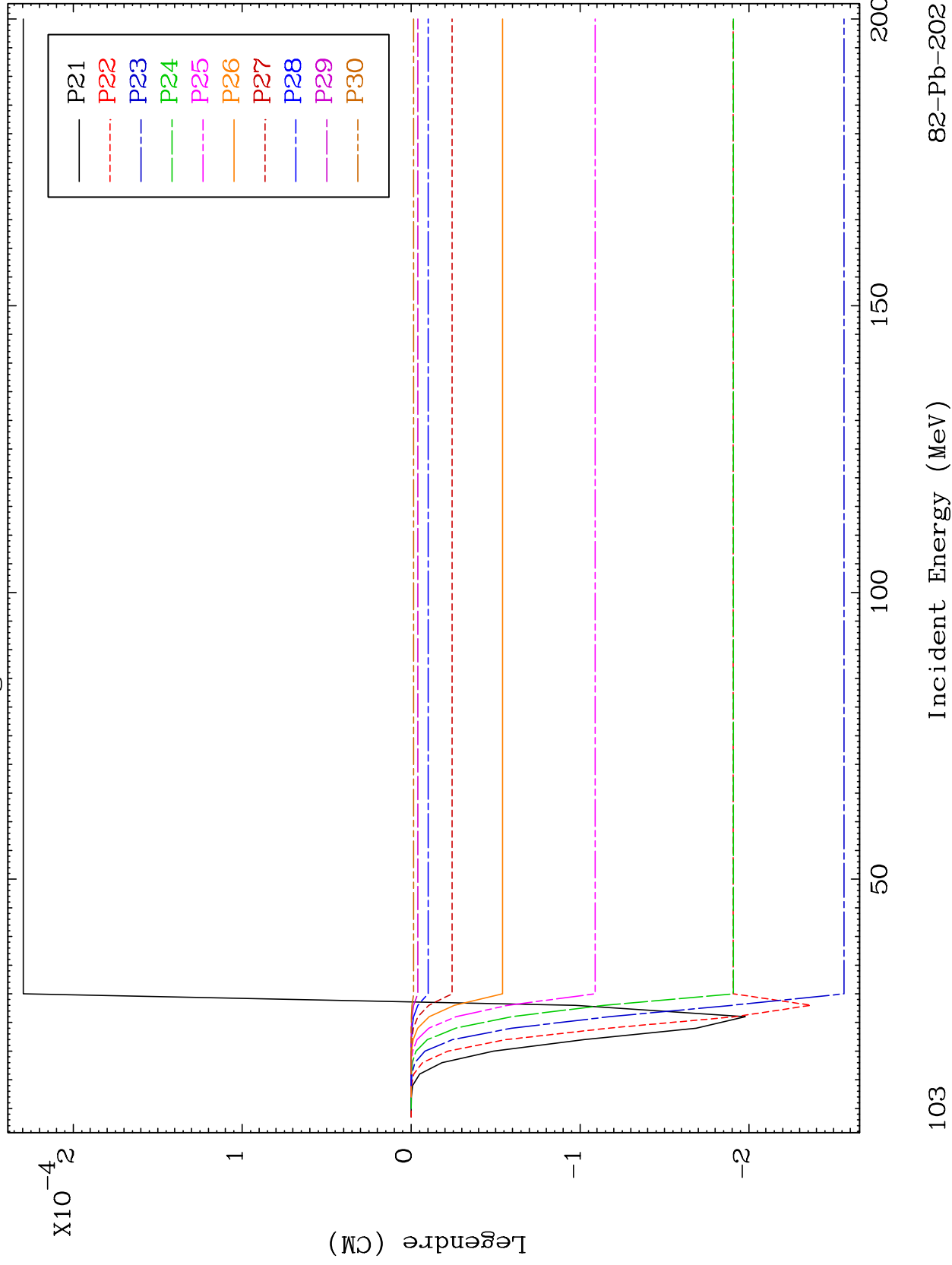
Incident Energy (MeV)

82-Pb-202

MAT 8219

2.387 MeV (n,n') Level
Legendre Coefficients

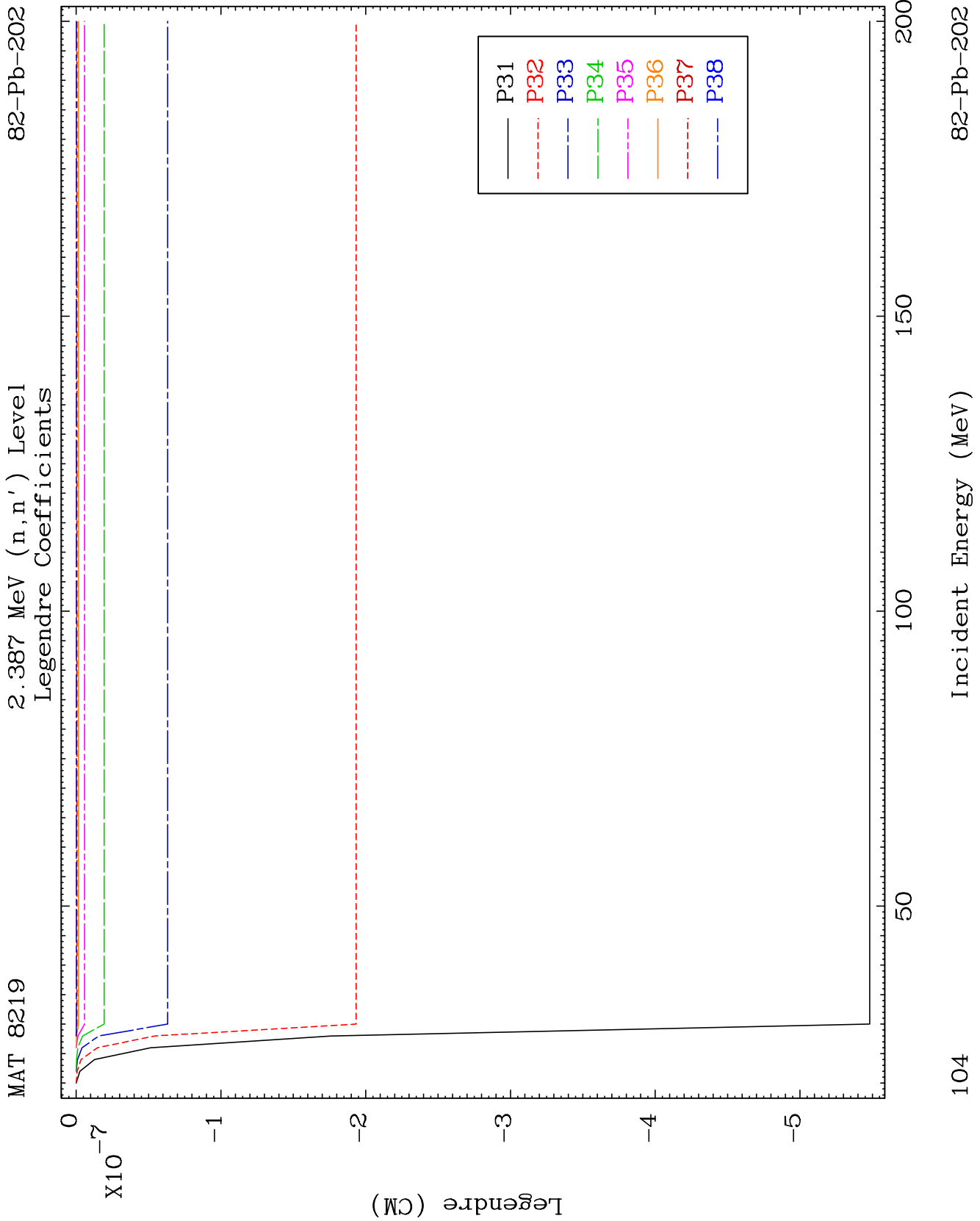
82-Pb-202

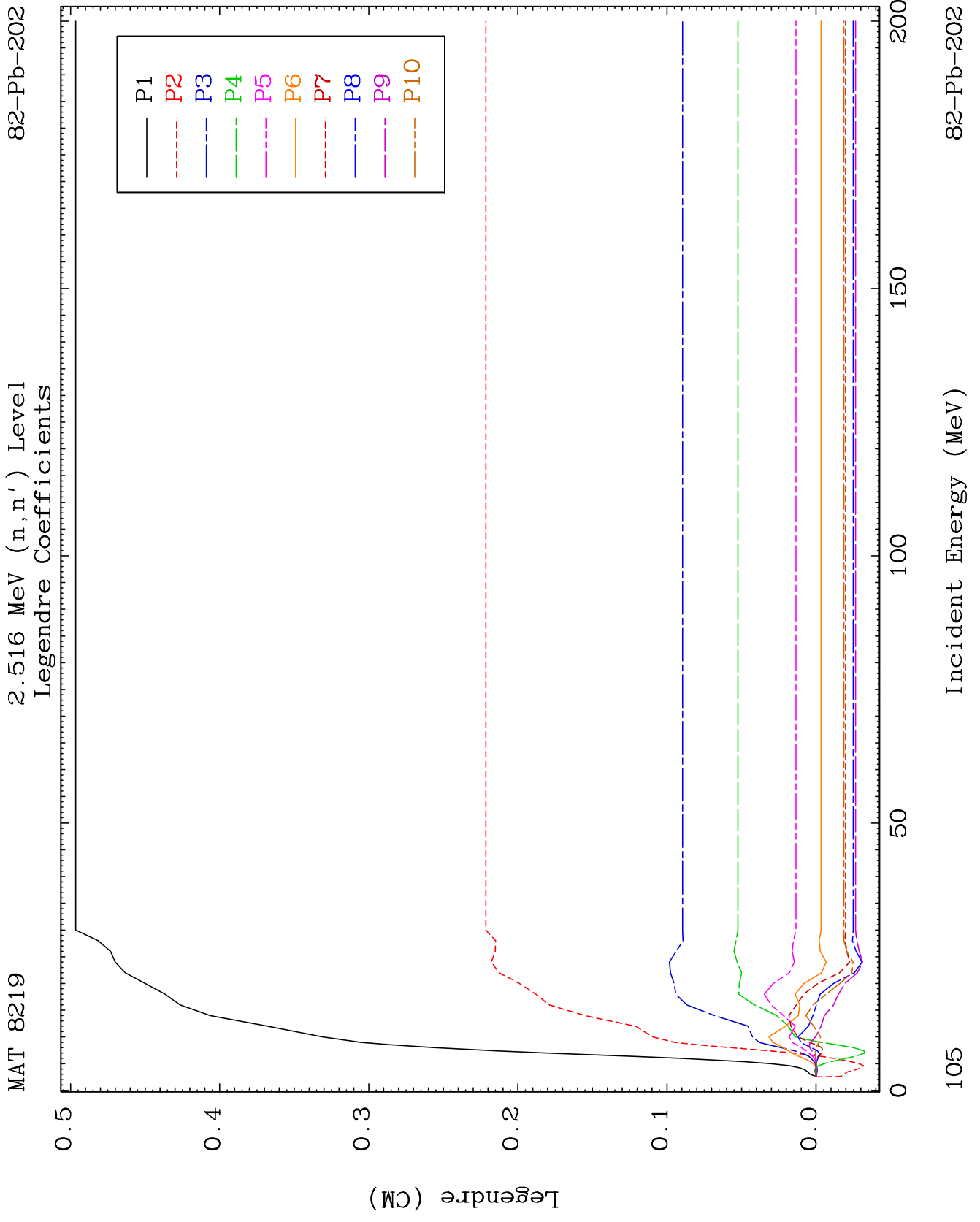


103

Incident Energy (MeV)

82-Pb-202

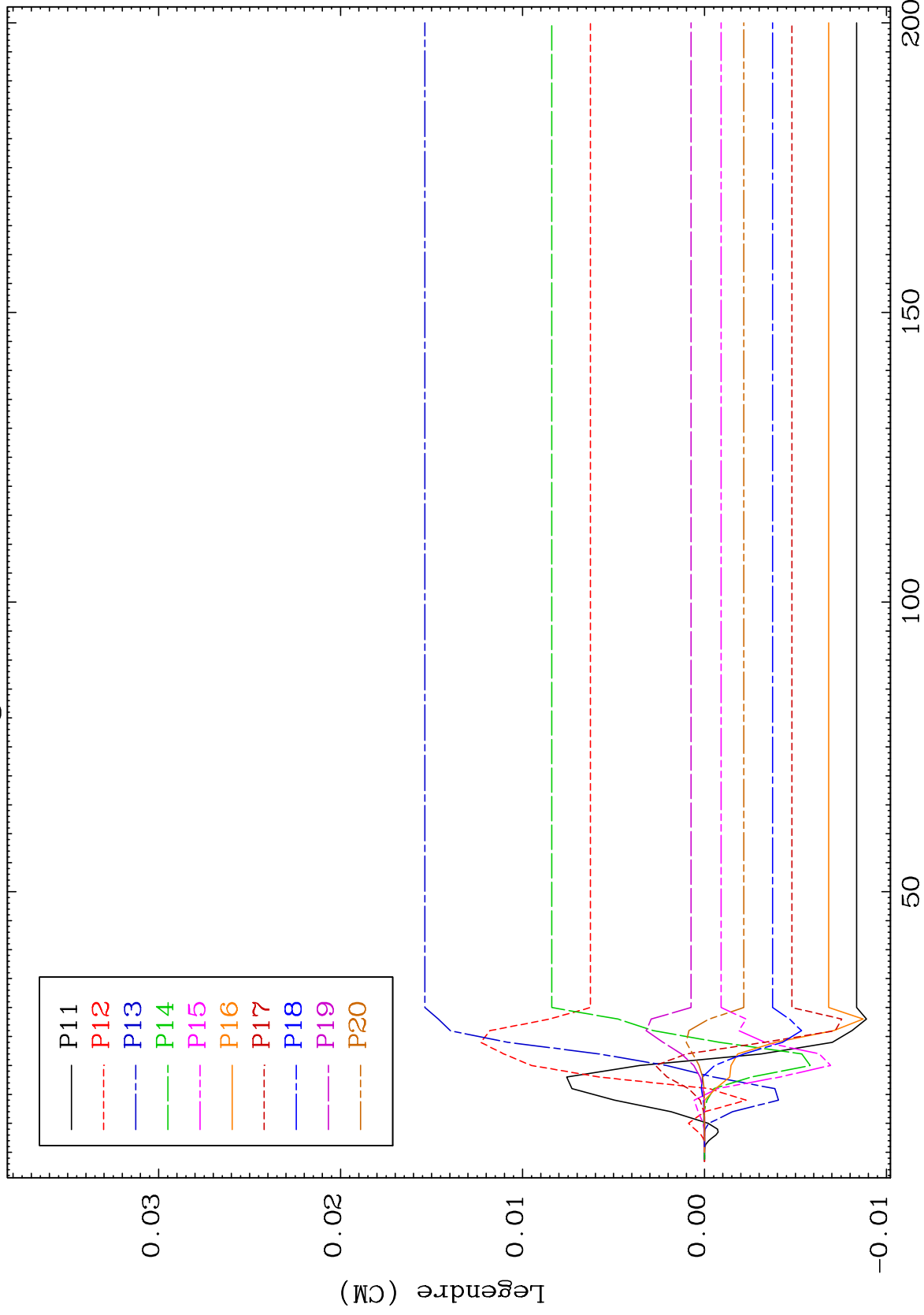




MAT 8219

2.516 MeV (n, n') Level
Legendre Coefficients

82-Pb-202



106

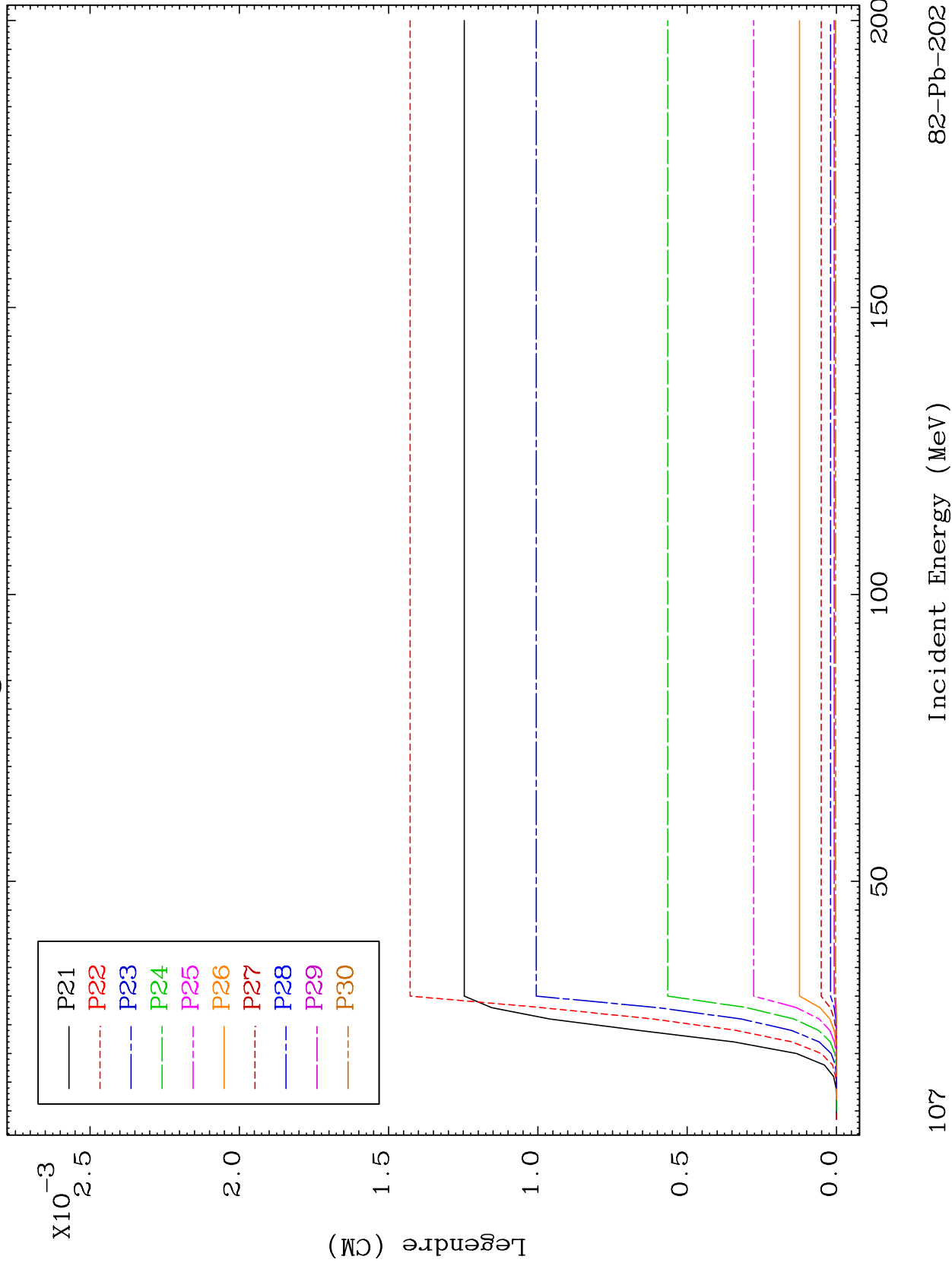
Incident Energy (MeV)

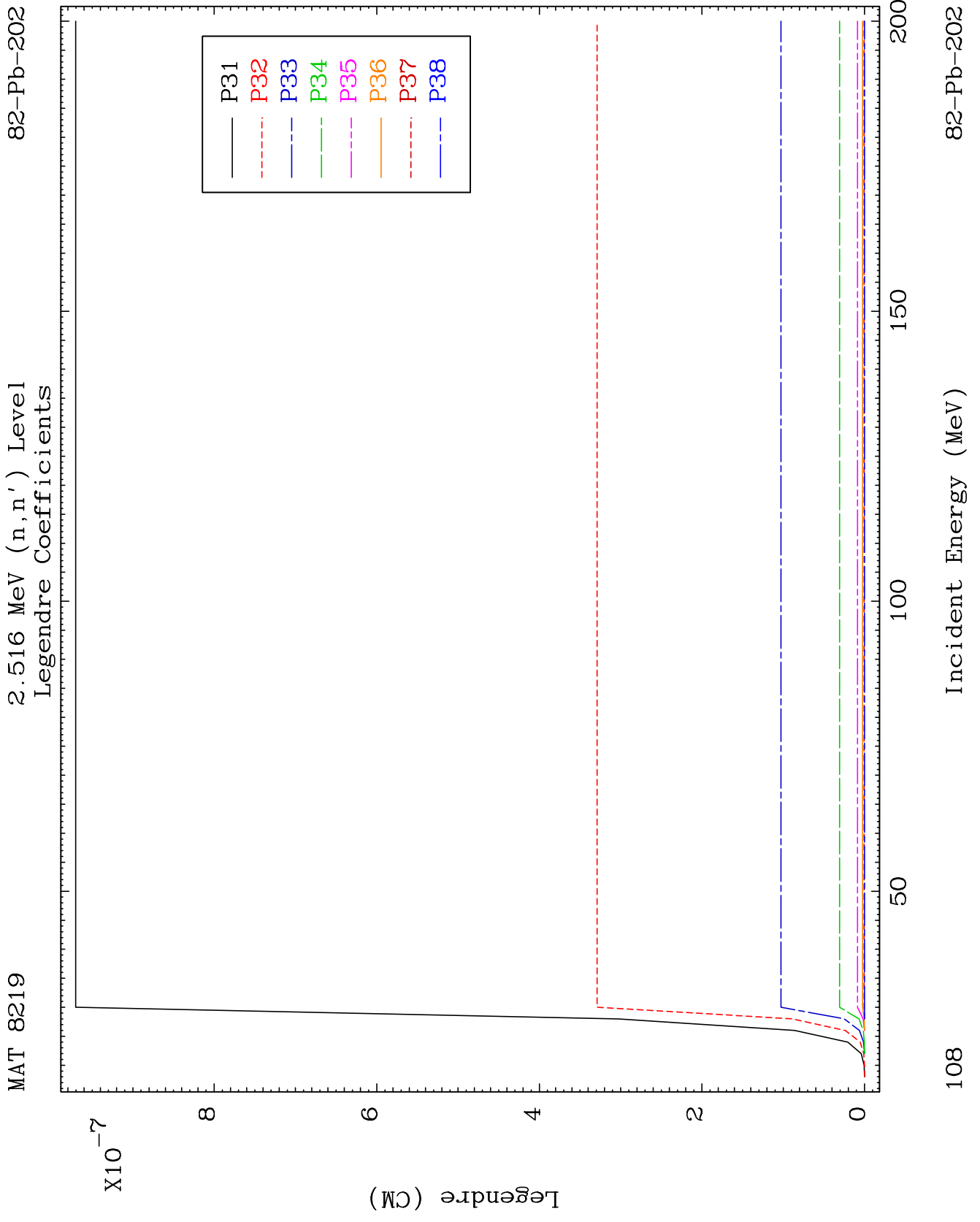
82-Pb-202

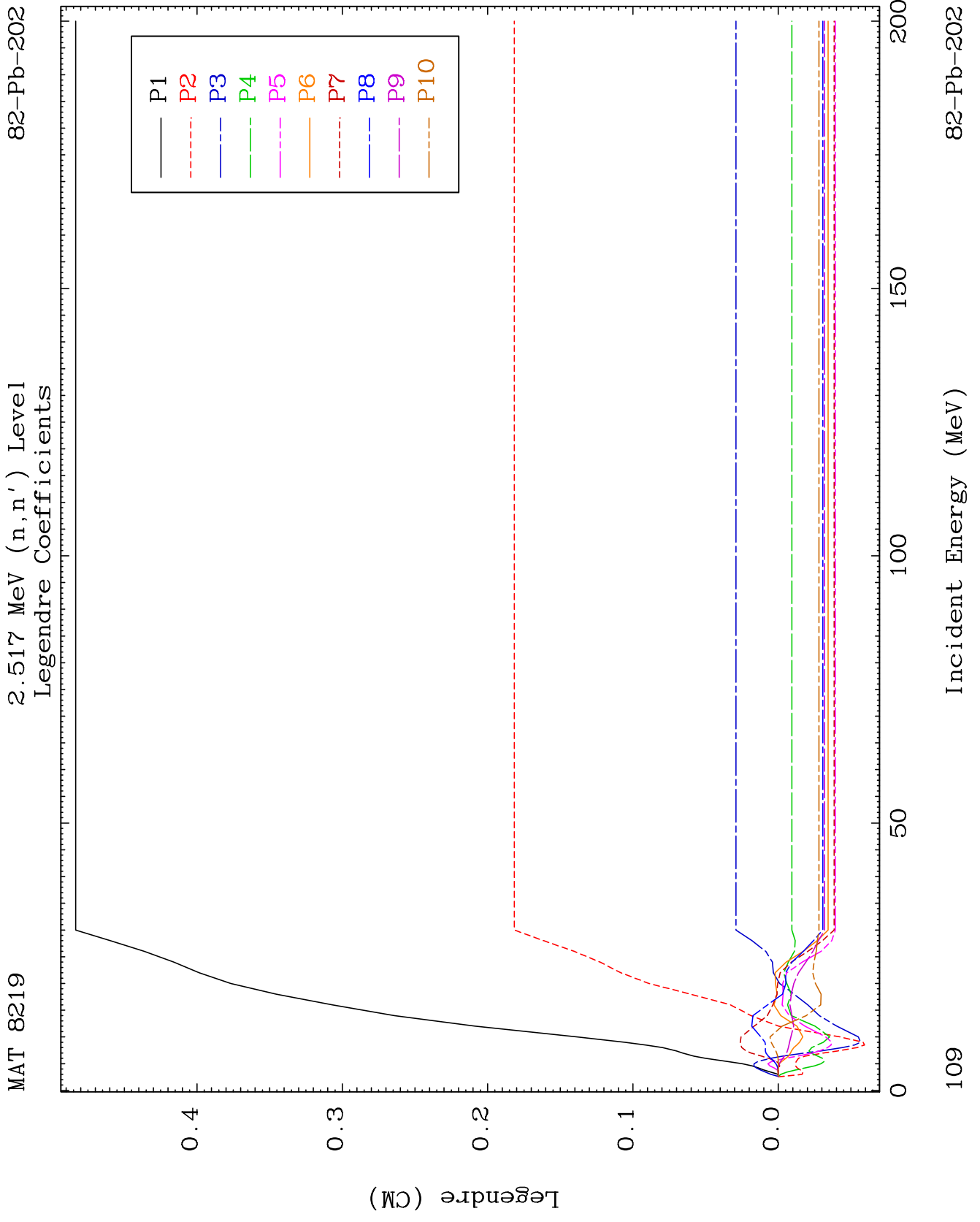
MAT 8219

2.516 MeV (n,n') Level
Legendre Coefficients

82-Pb-202



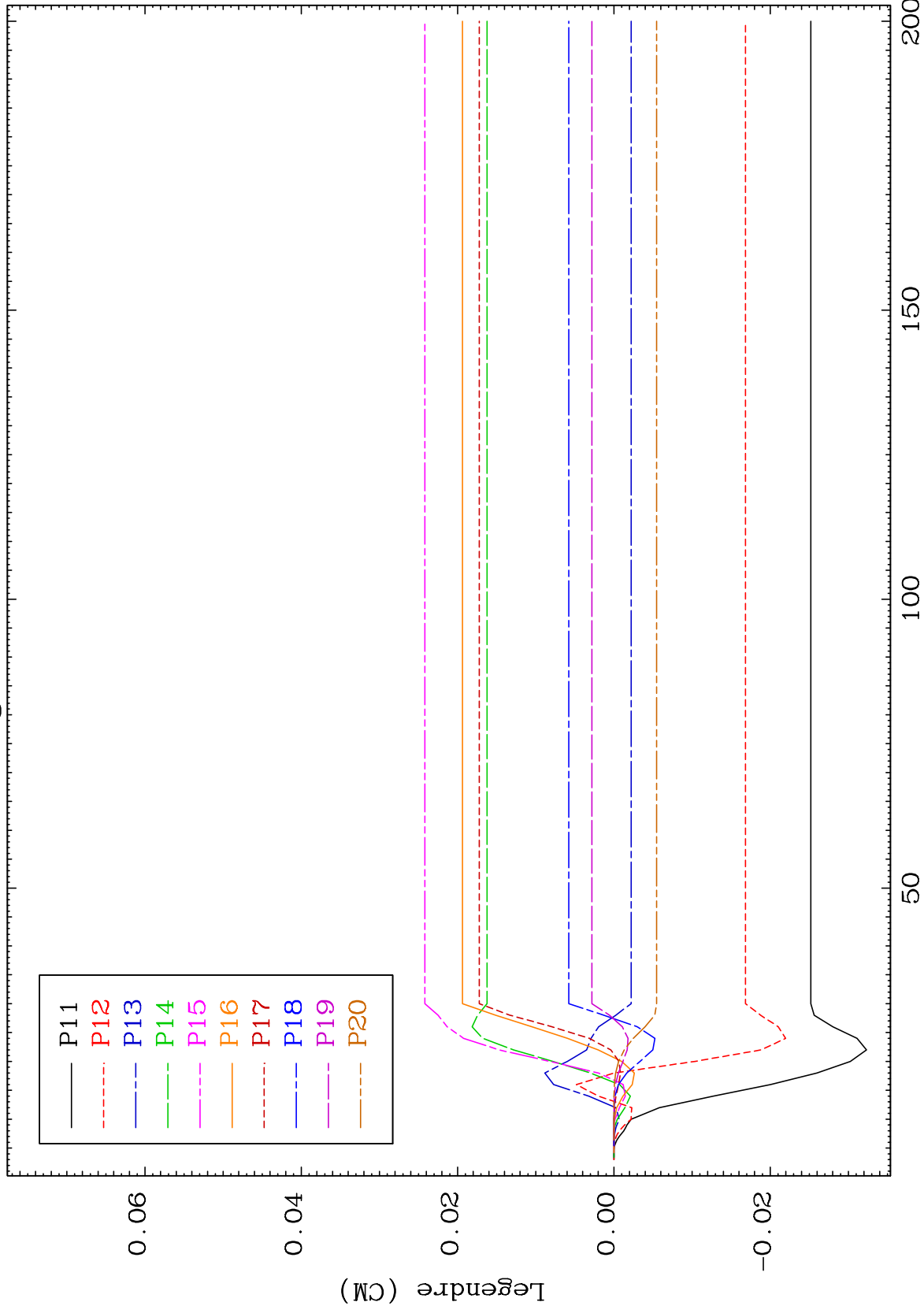




MAT 8219

2.517 MeV (n, n') Level
Legendre Coefficients

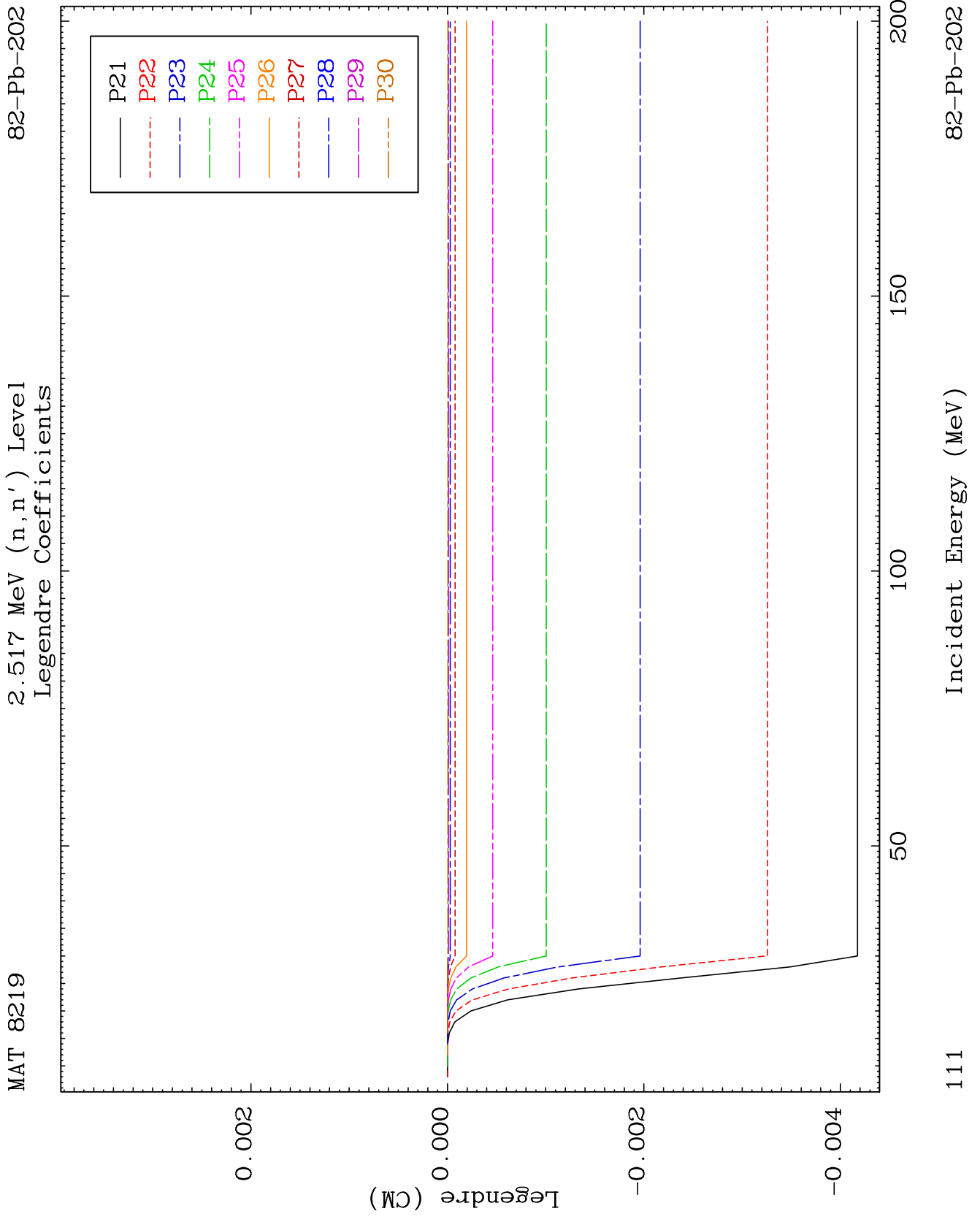
82-Pb-202

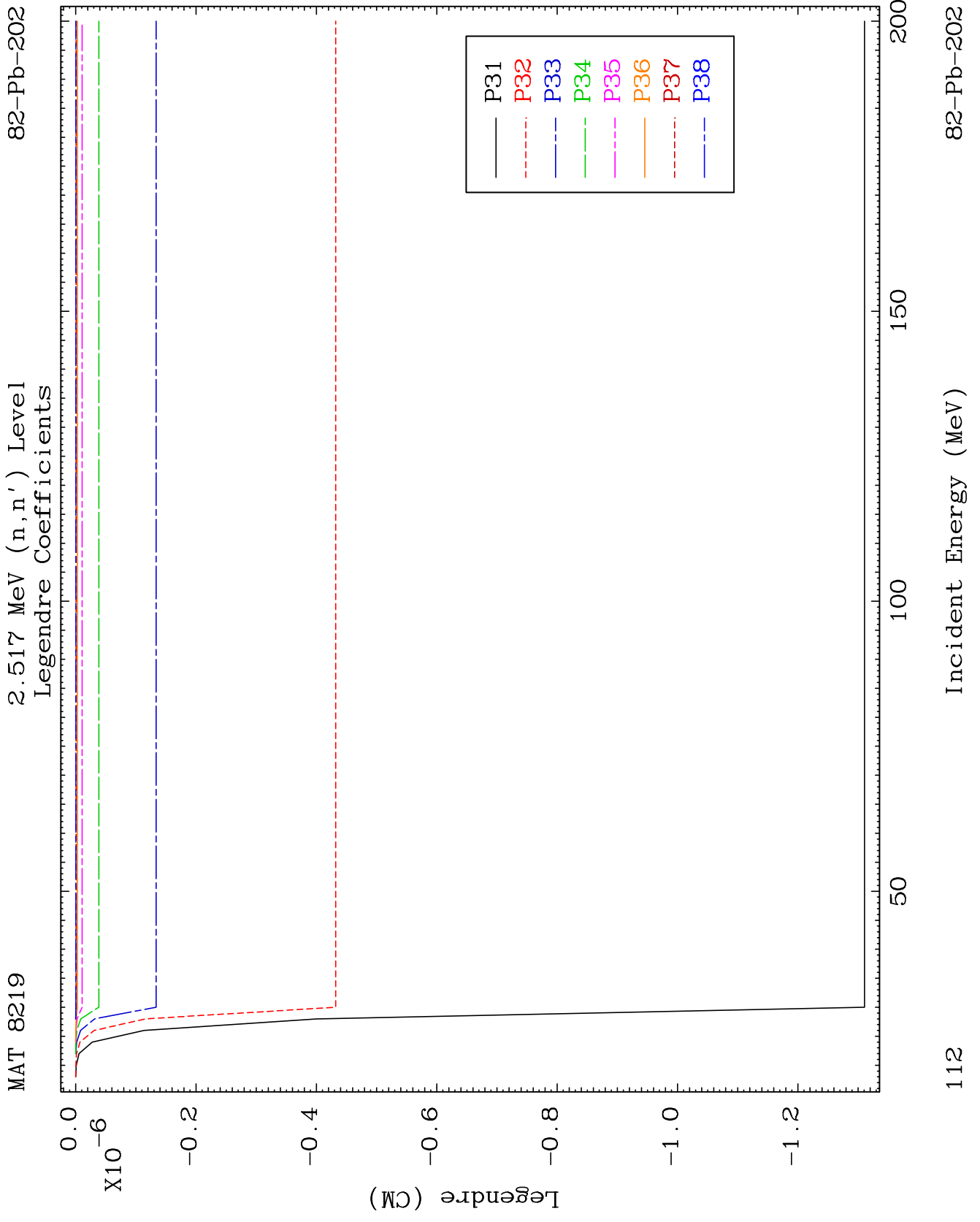


110

Incident Energy (MeV)

82-Pb-202

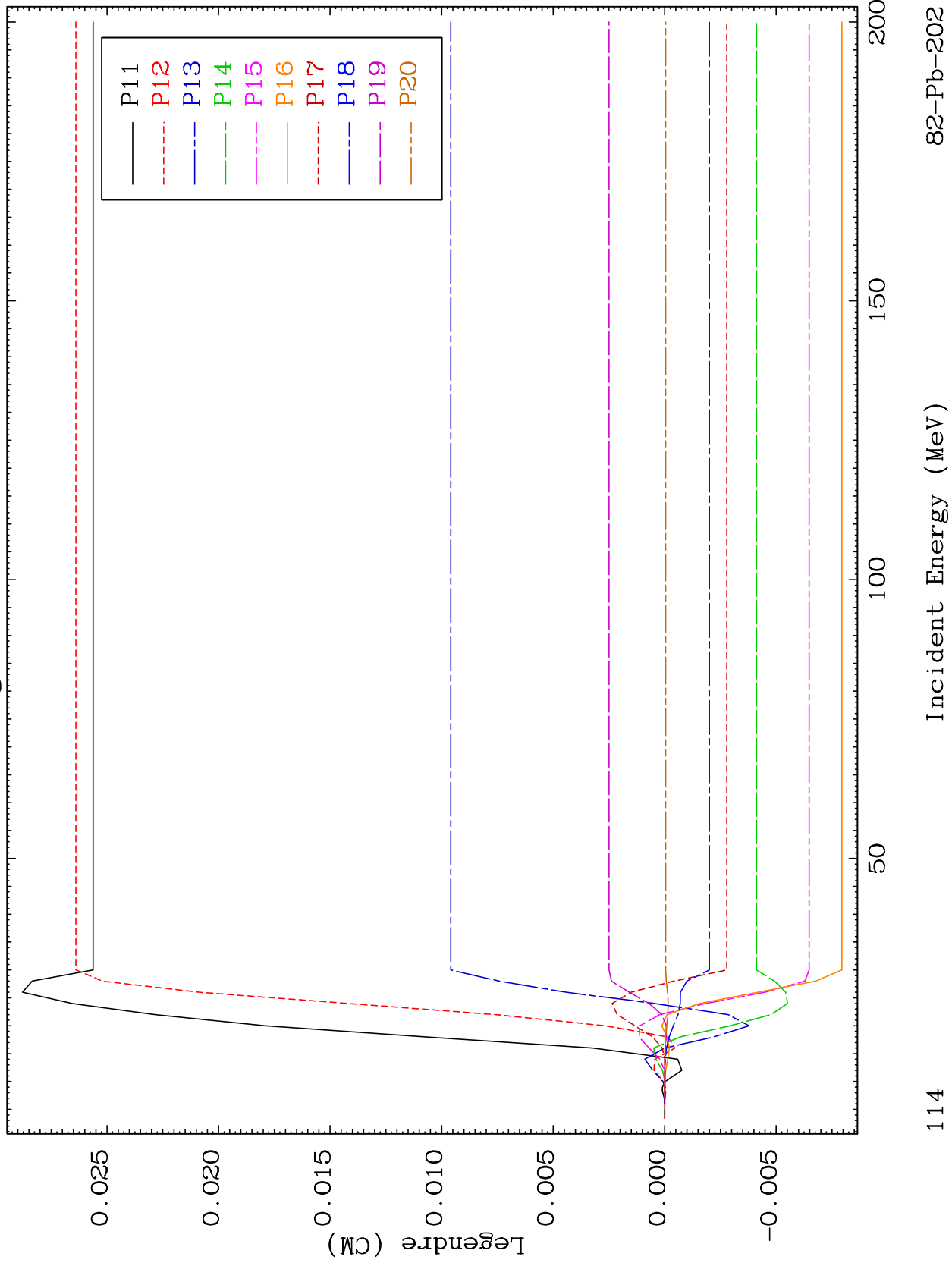




MAT 8219

2.610 MeV (n,n') Level
Legendre Coefficients

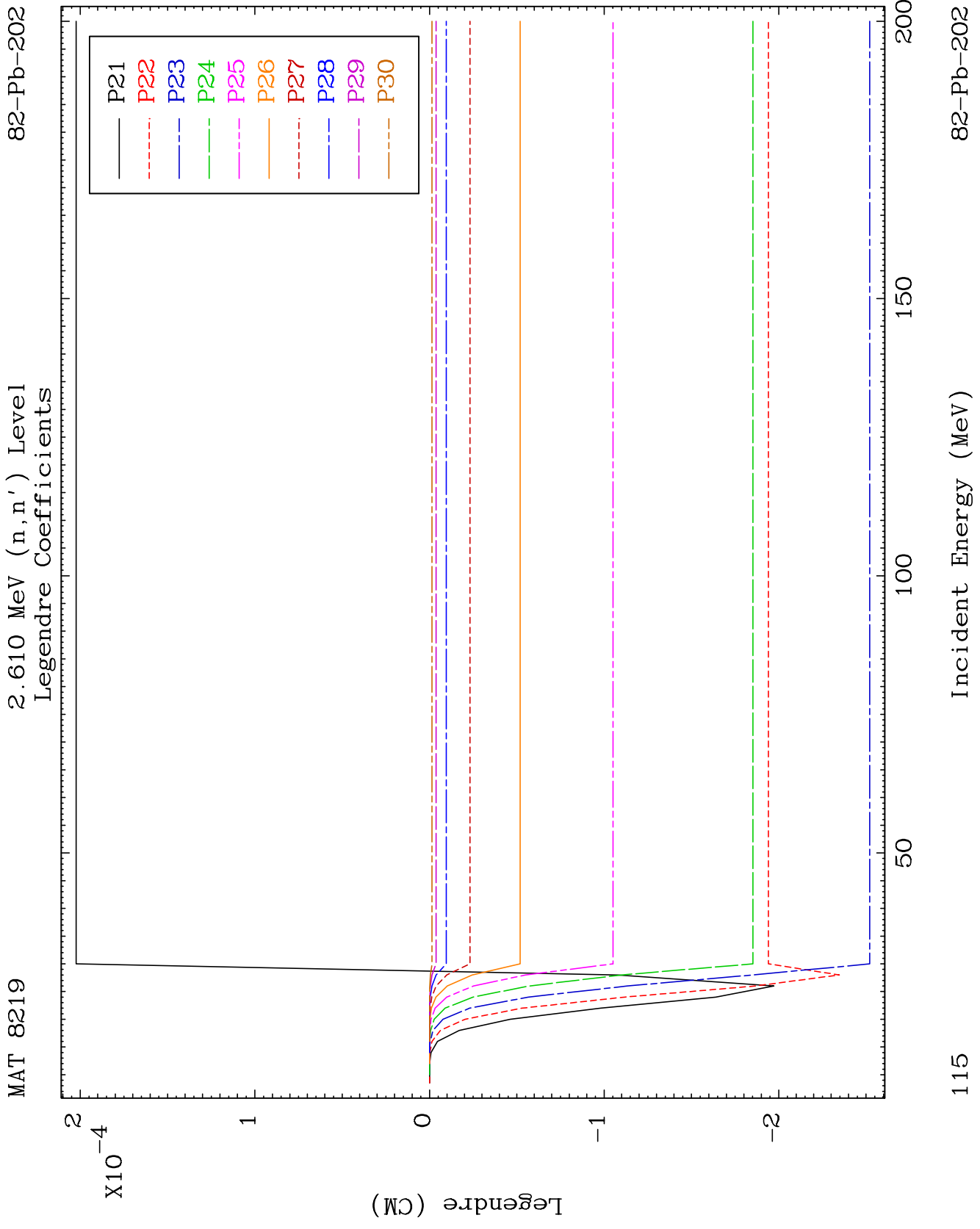
82-Pb-202

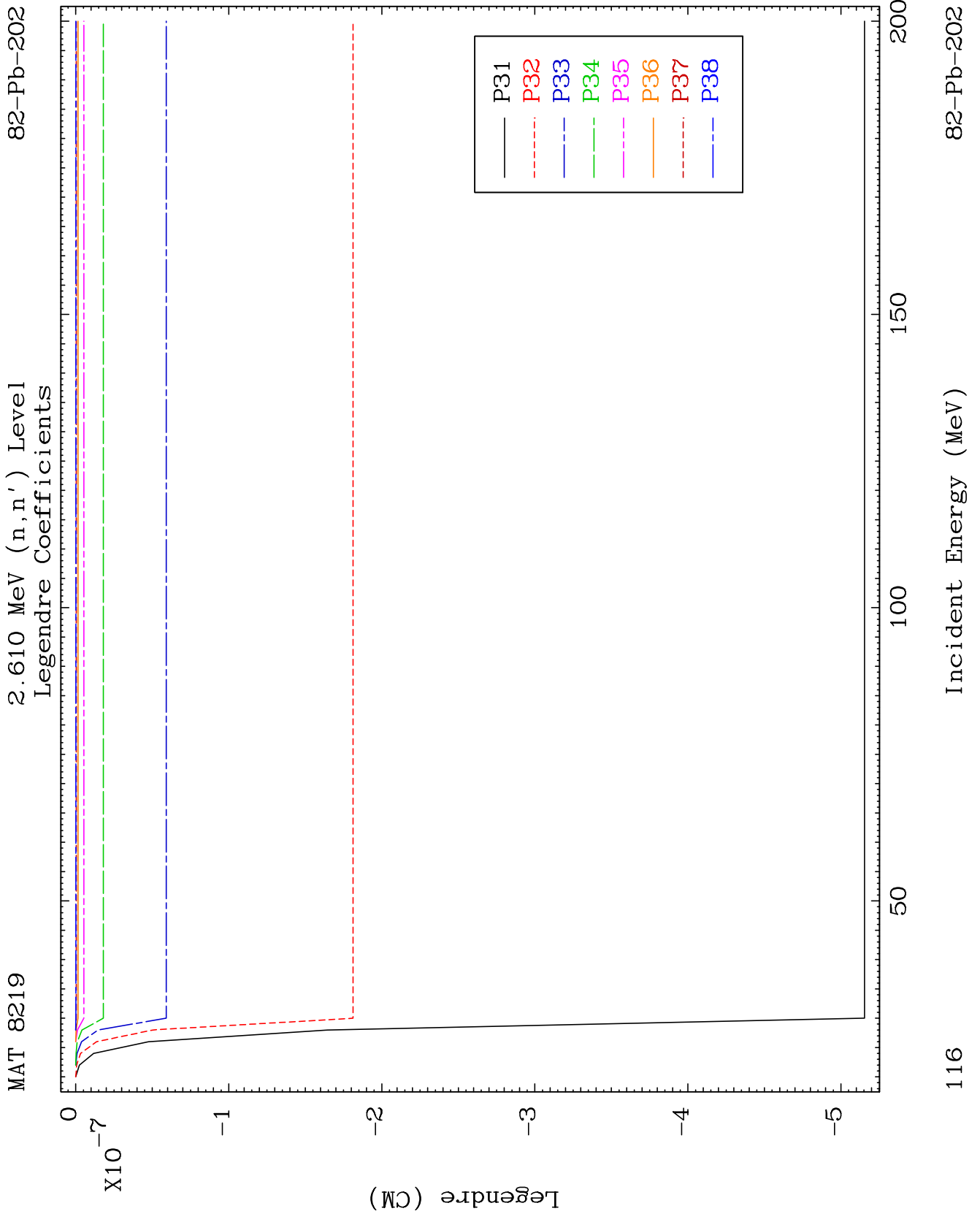


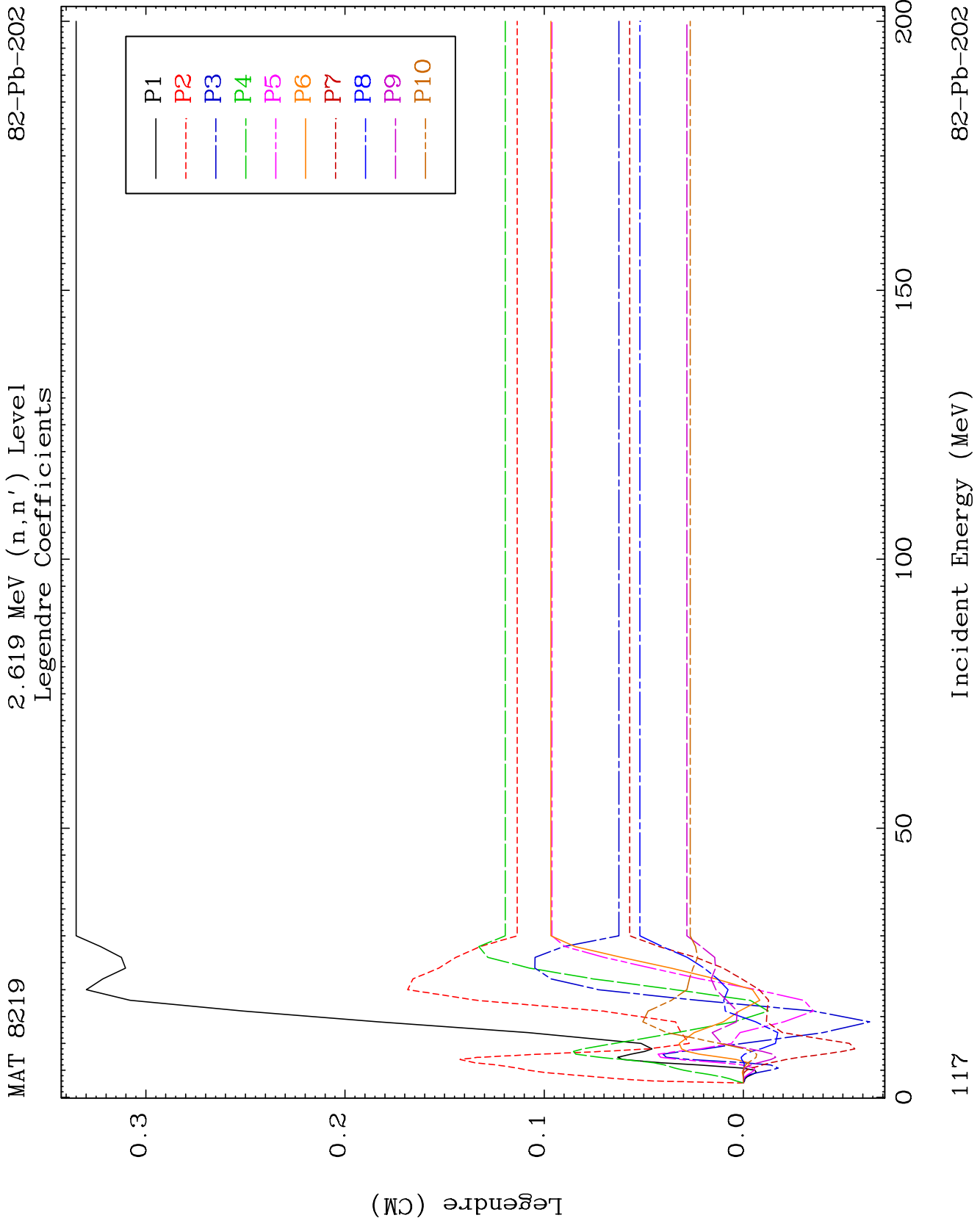
114

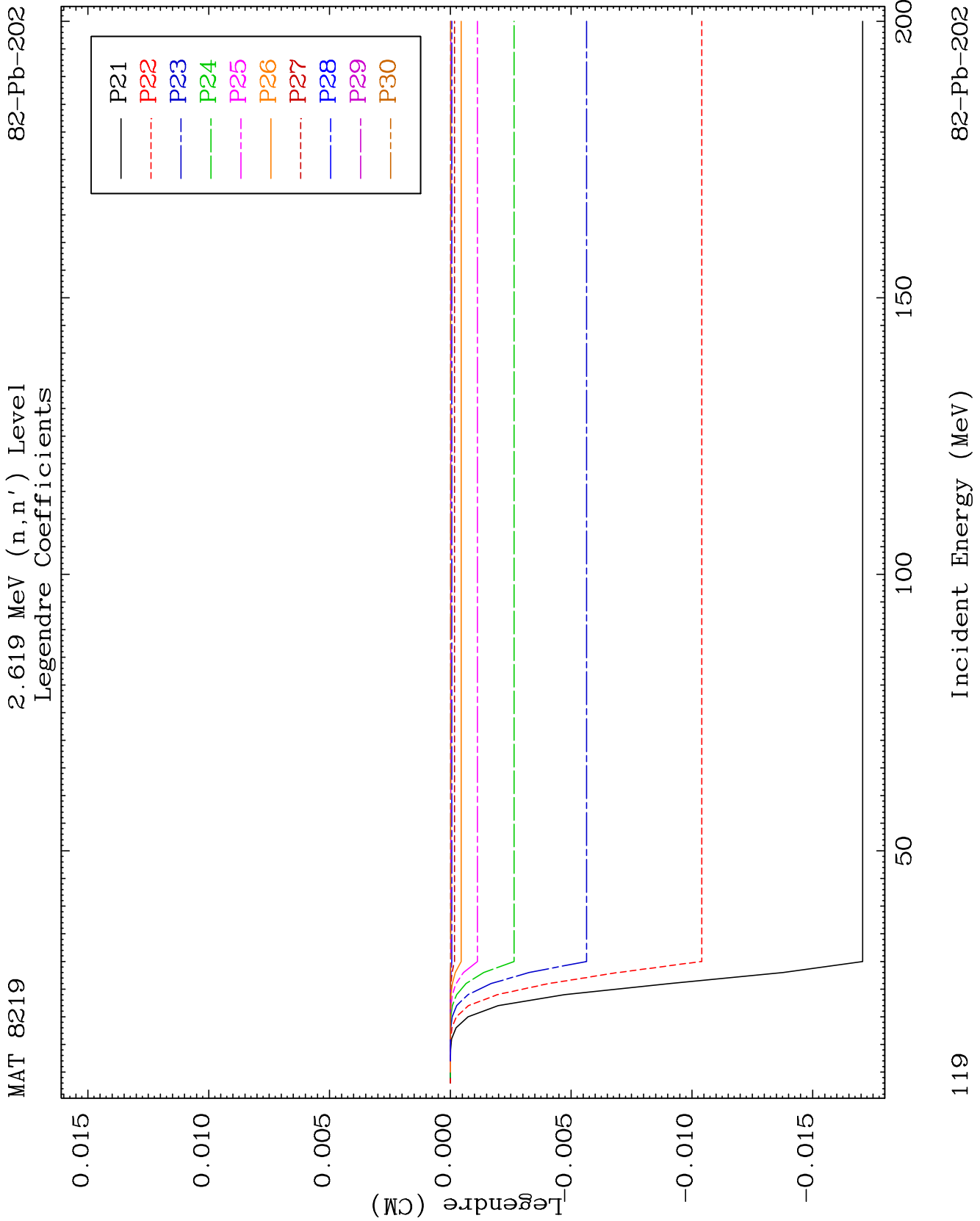
Incident Energy (MeV)

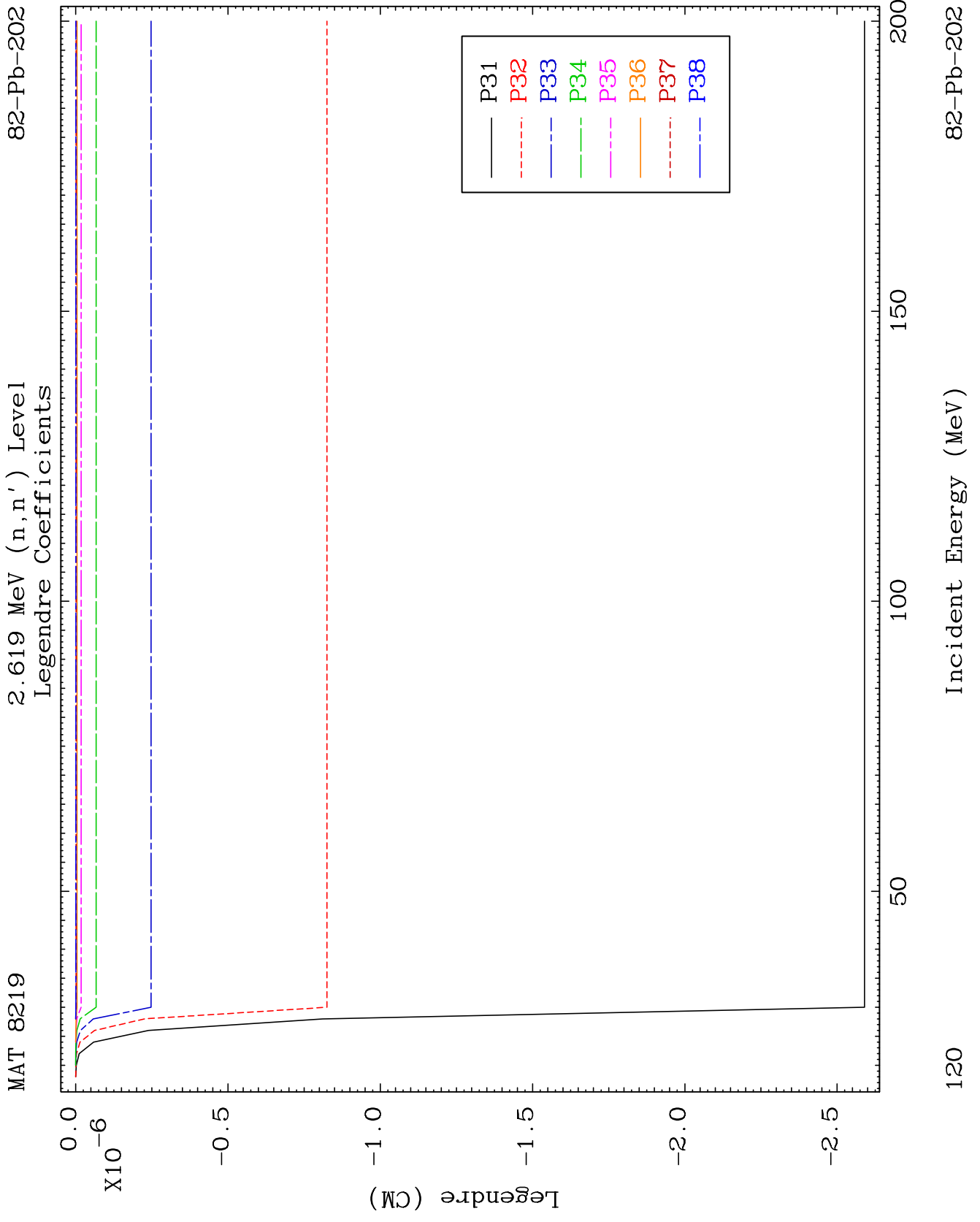
82-Pb-202







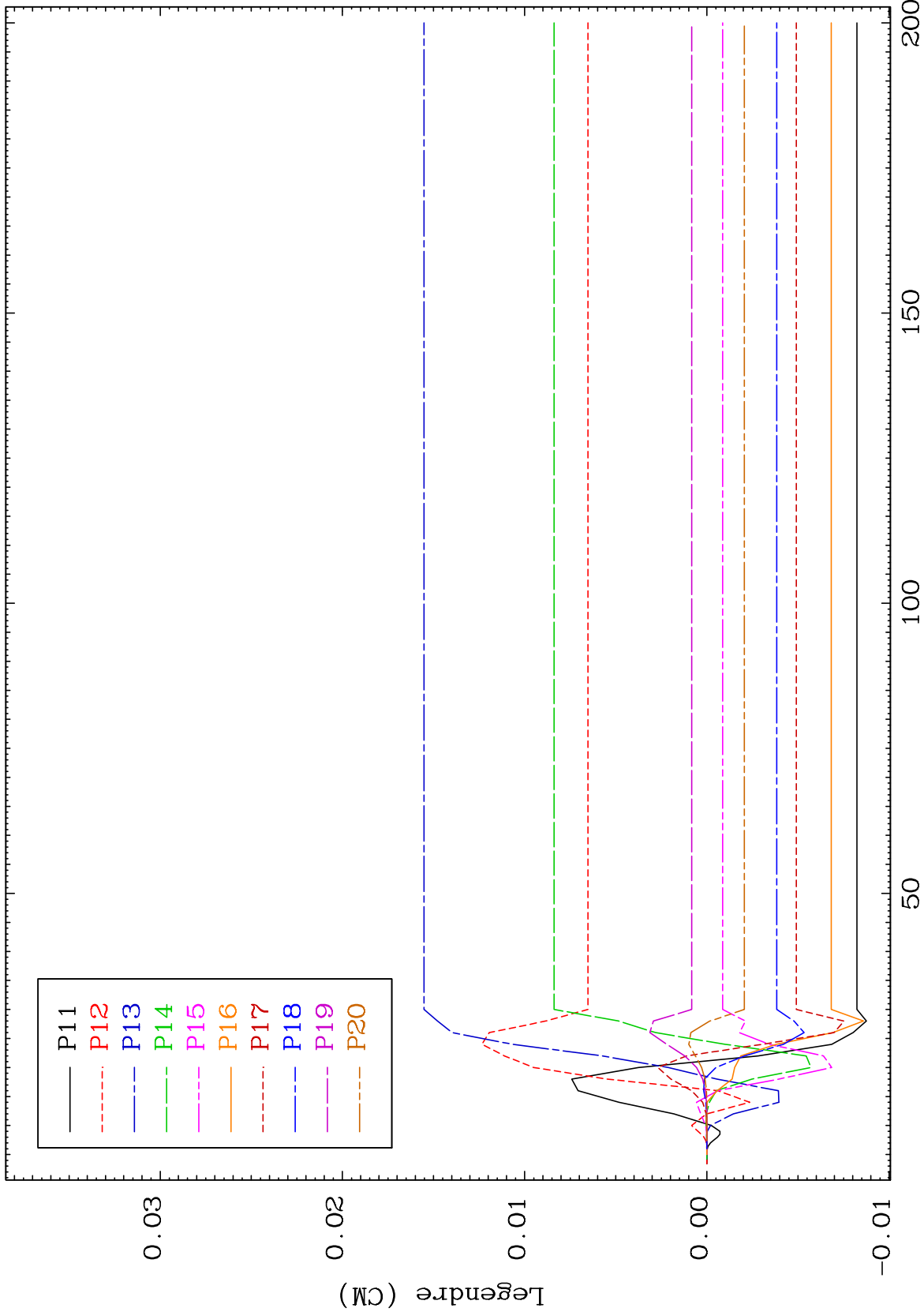




MAT 8219

2.666 MeV (n, n') Level
Legendre Coefficients

82-Pb-202



122

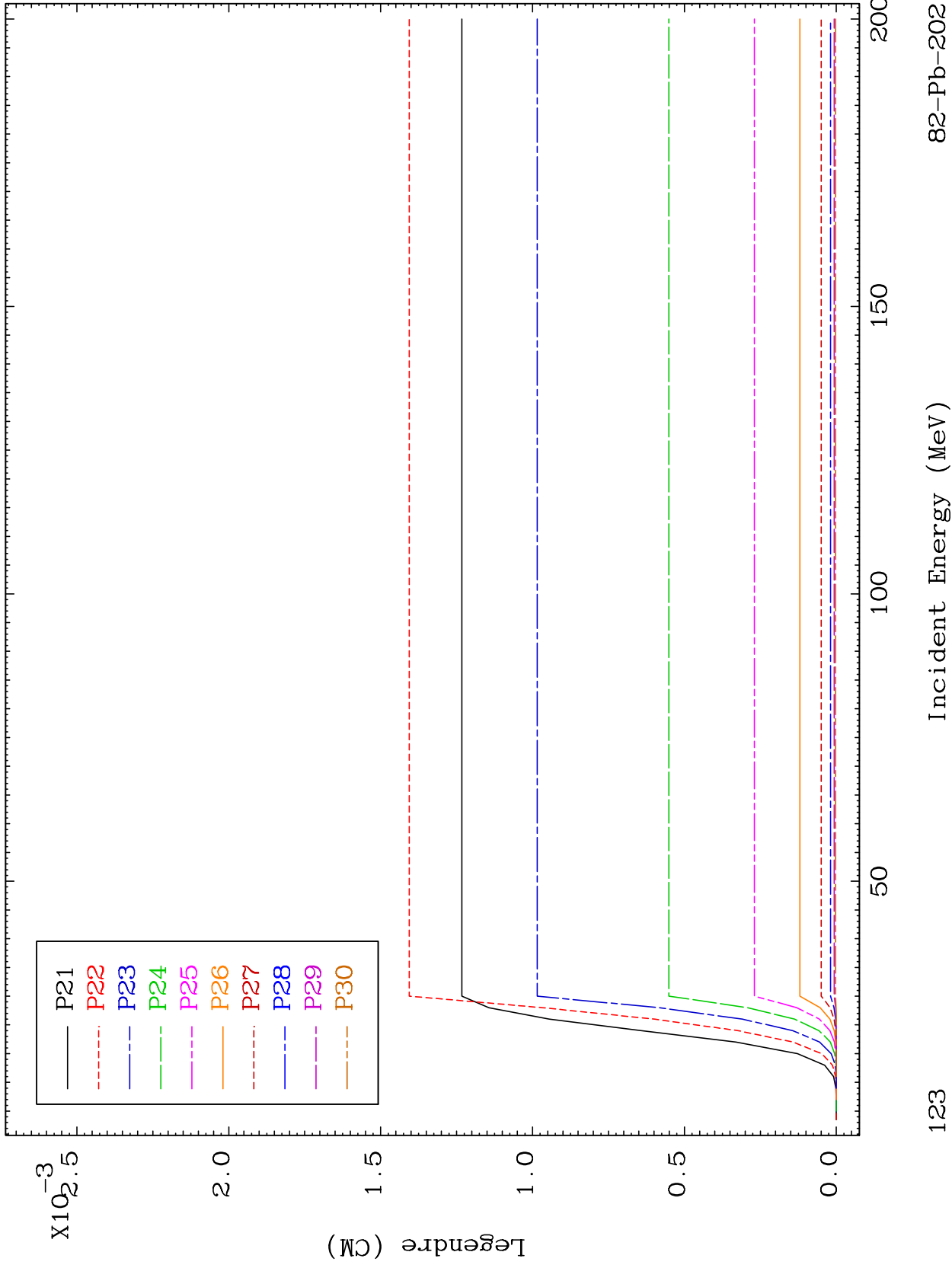
Incident Energy (MeV)

82-Pb-202

MAT 8219

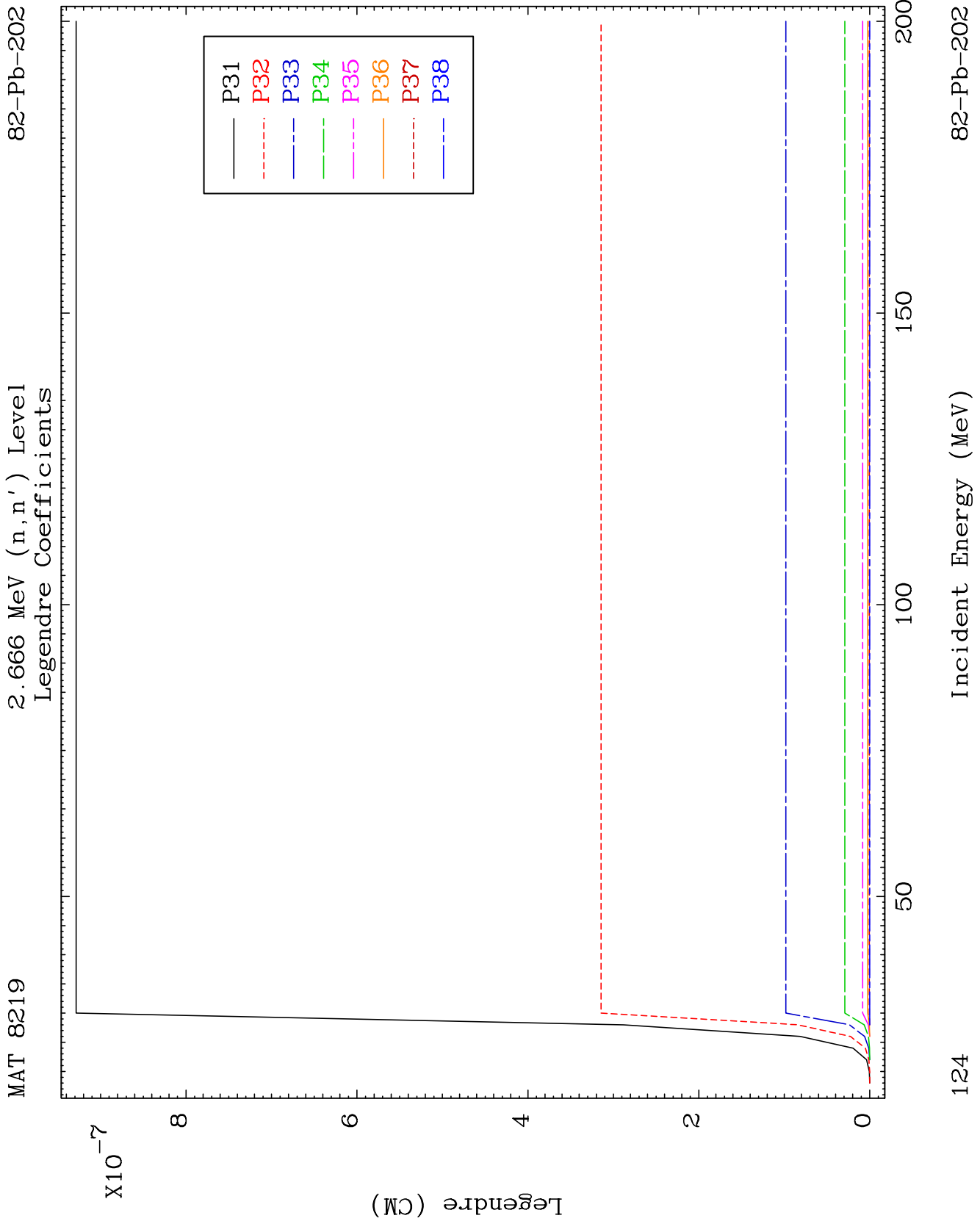
2.666 MeV (n,n') Level
Legendre Coefficients

82-Pb-202



123

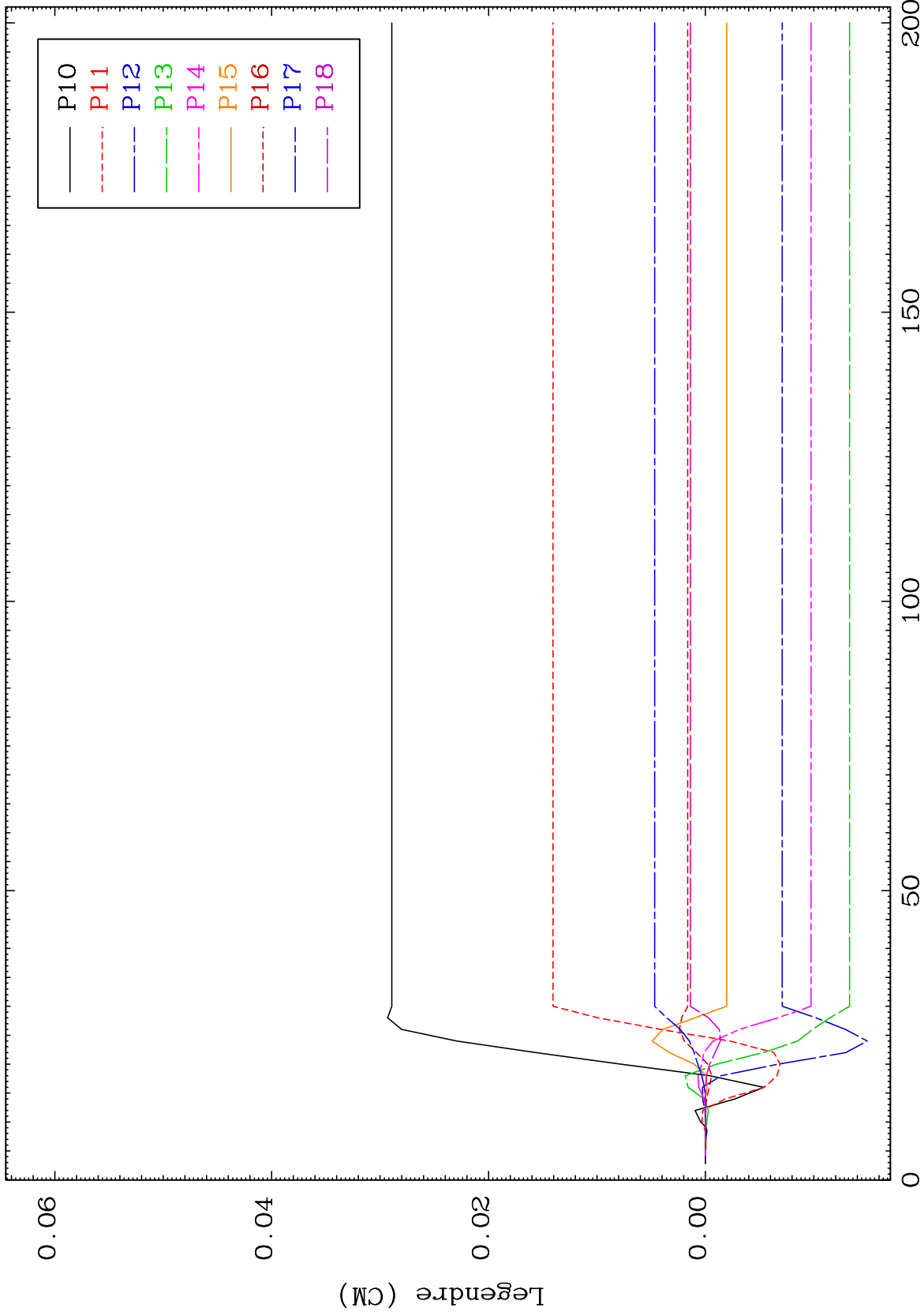
82-Pb-202



MAT 8219

2.750 MeV (n,n') Level
Legendre Coefficients

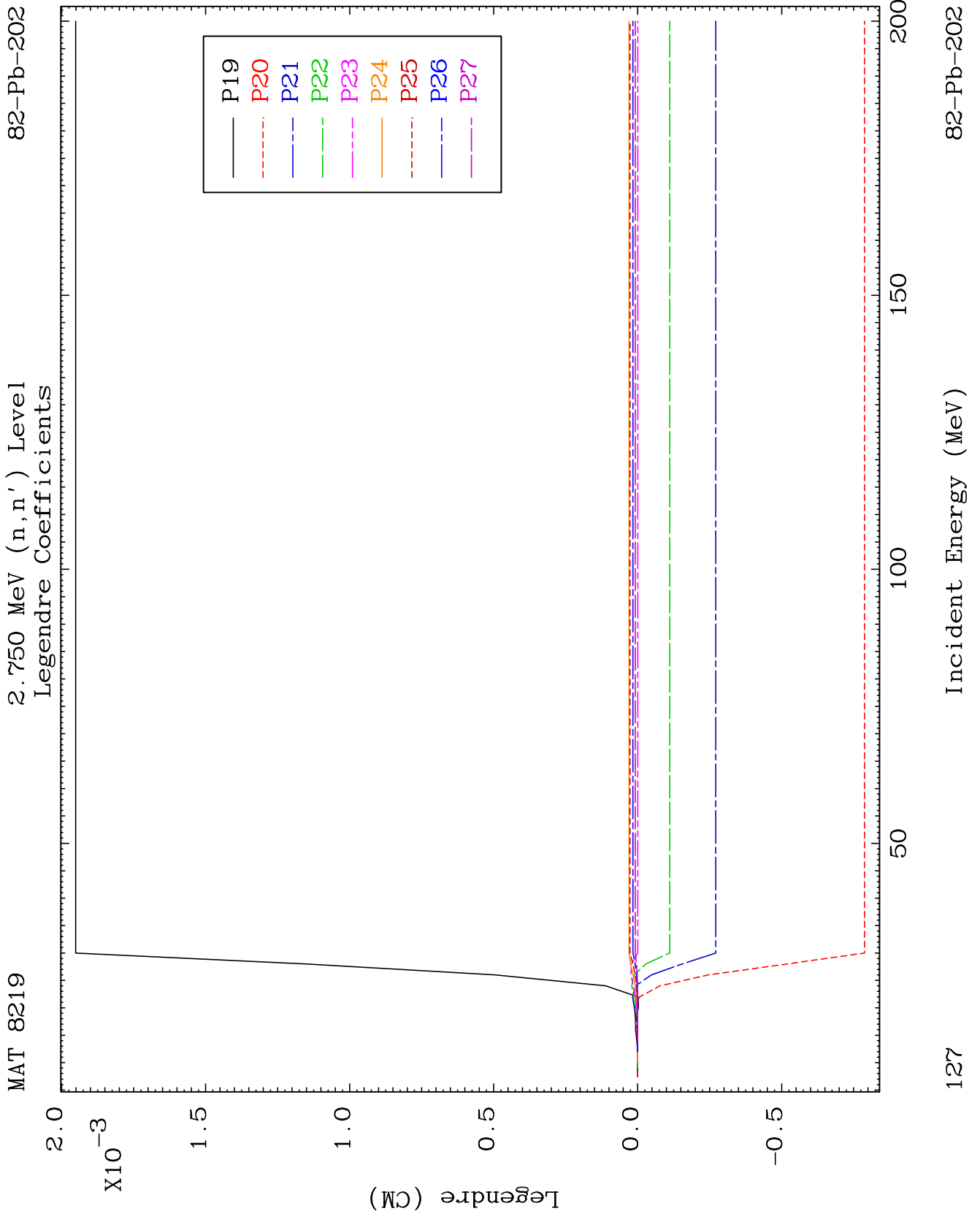
82-Pb-202

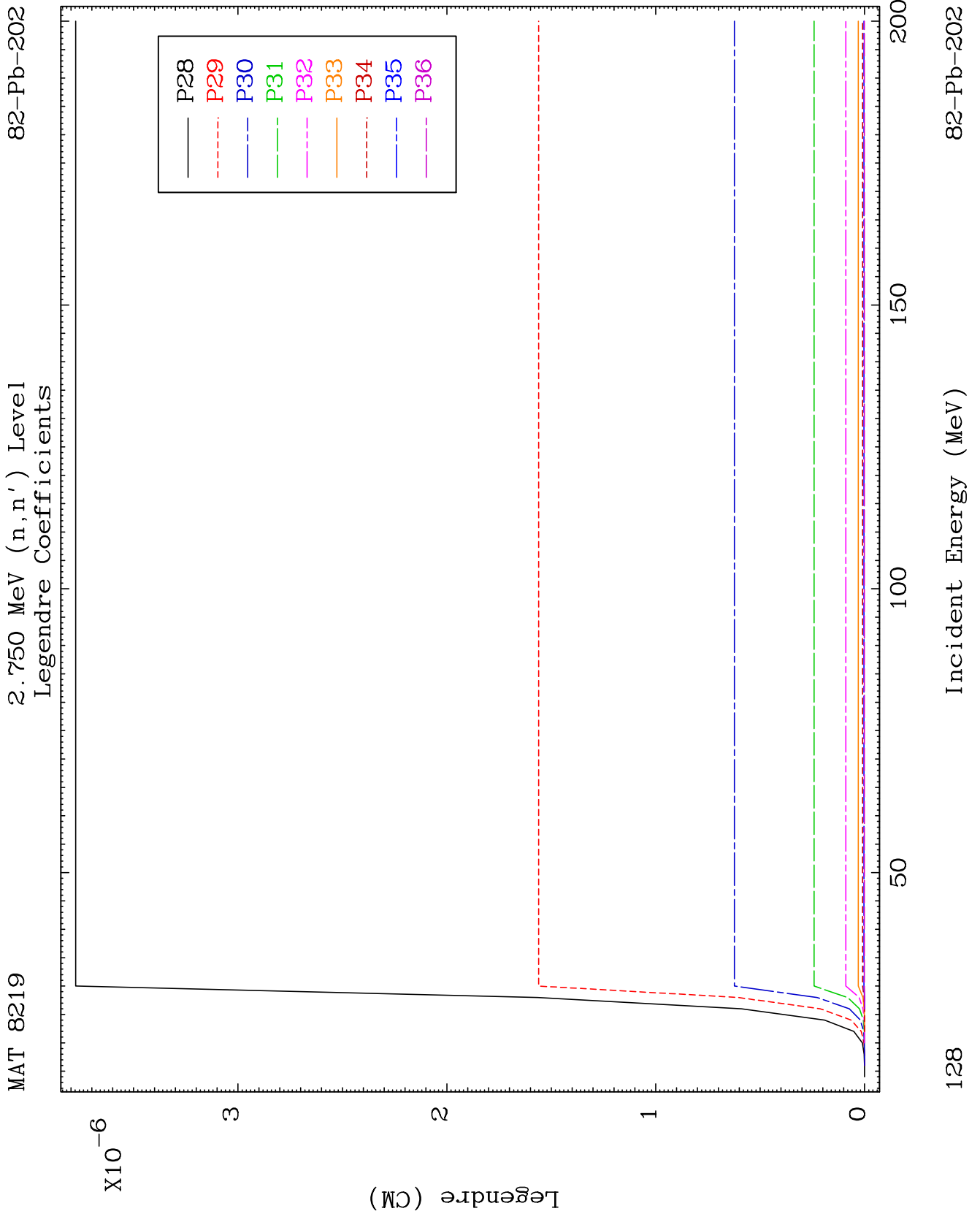


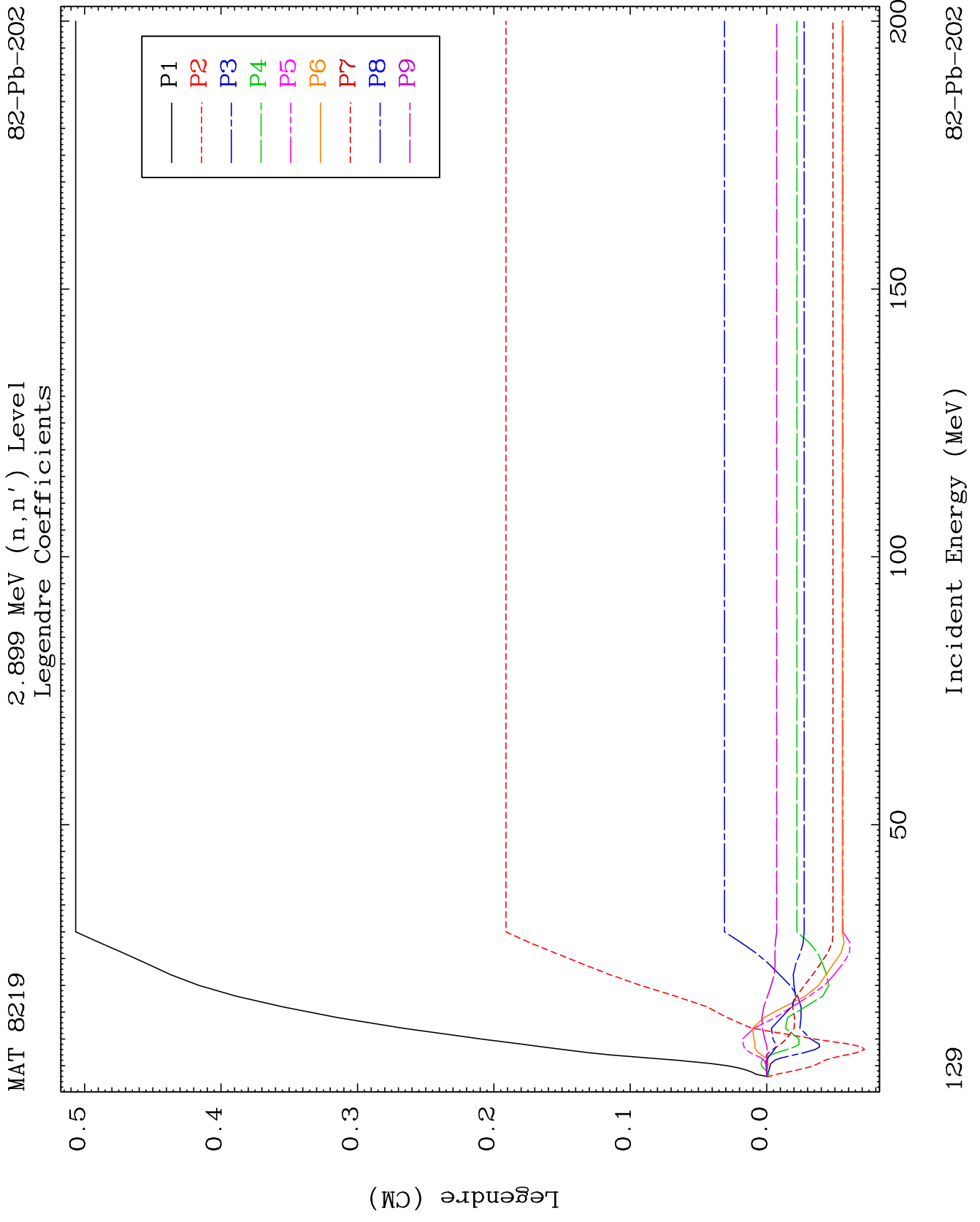
126

Incident Energy (MeV)

82-Pb-202



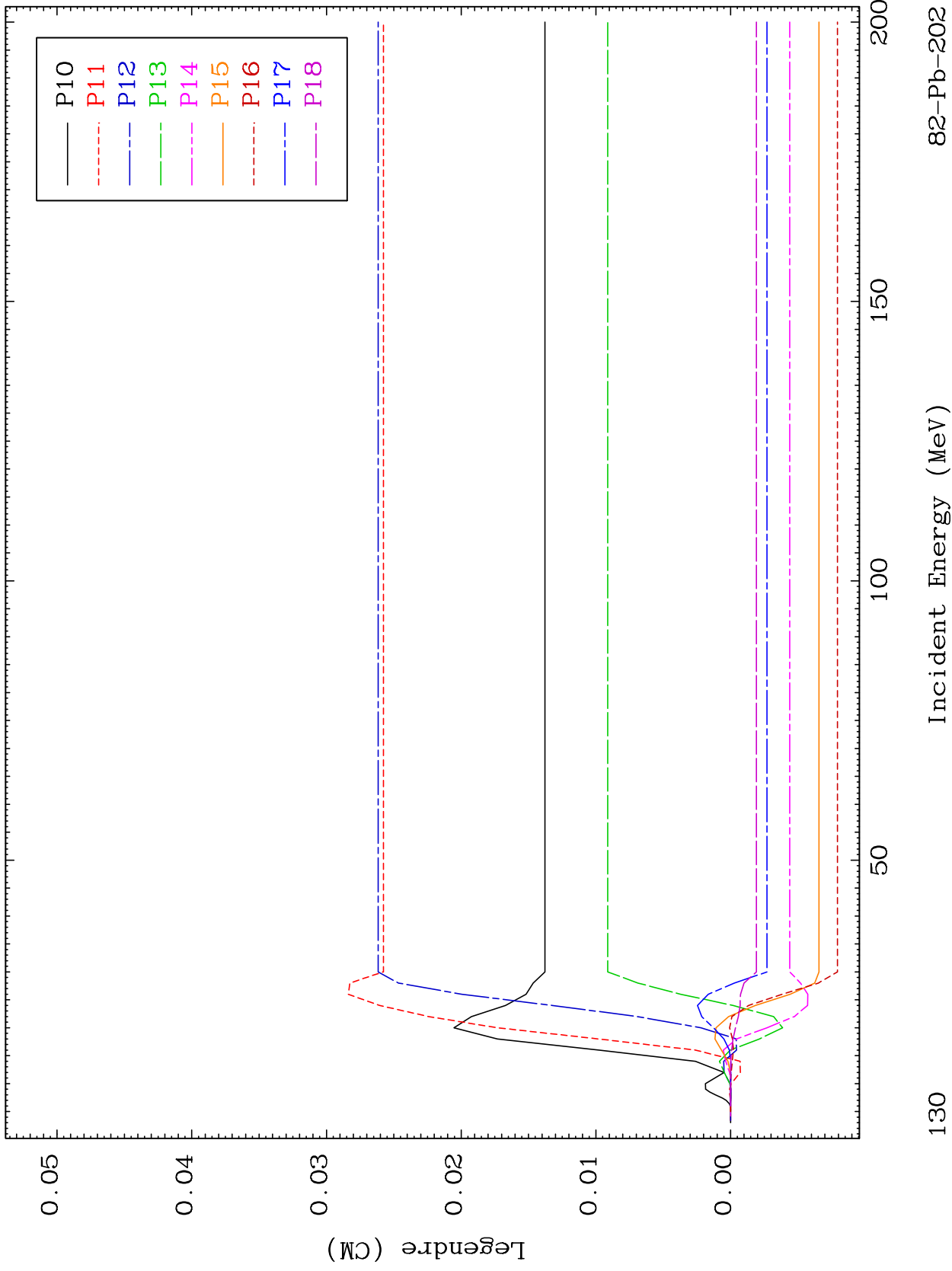




MAT 8219

2.899 MeV (n,n') Level
Legendre Coefficients

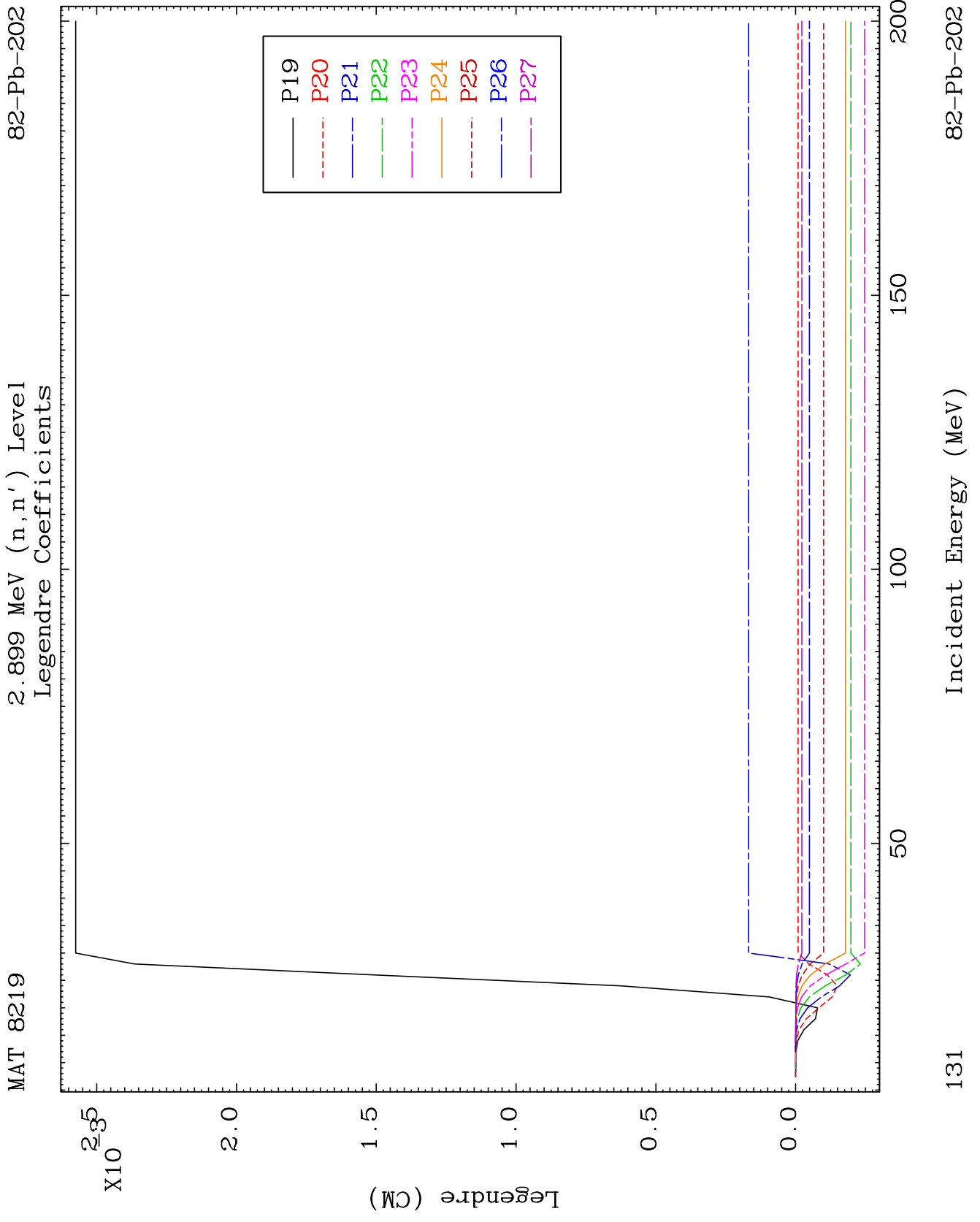
82-Pb-202

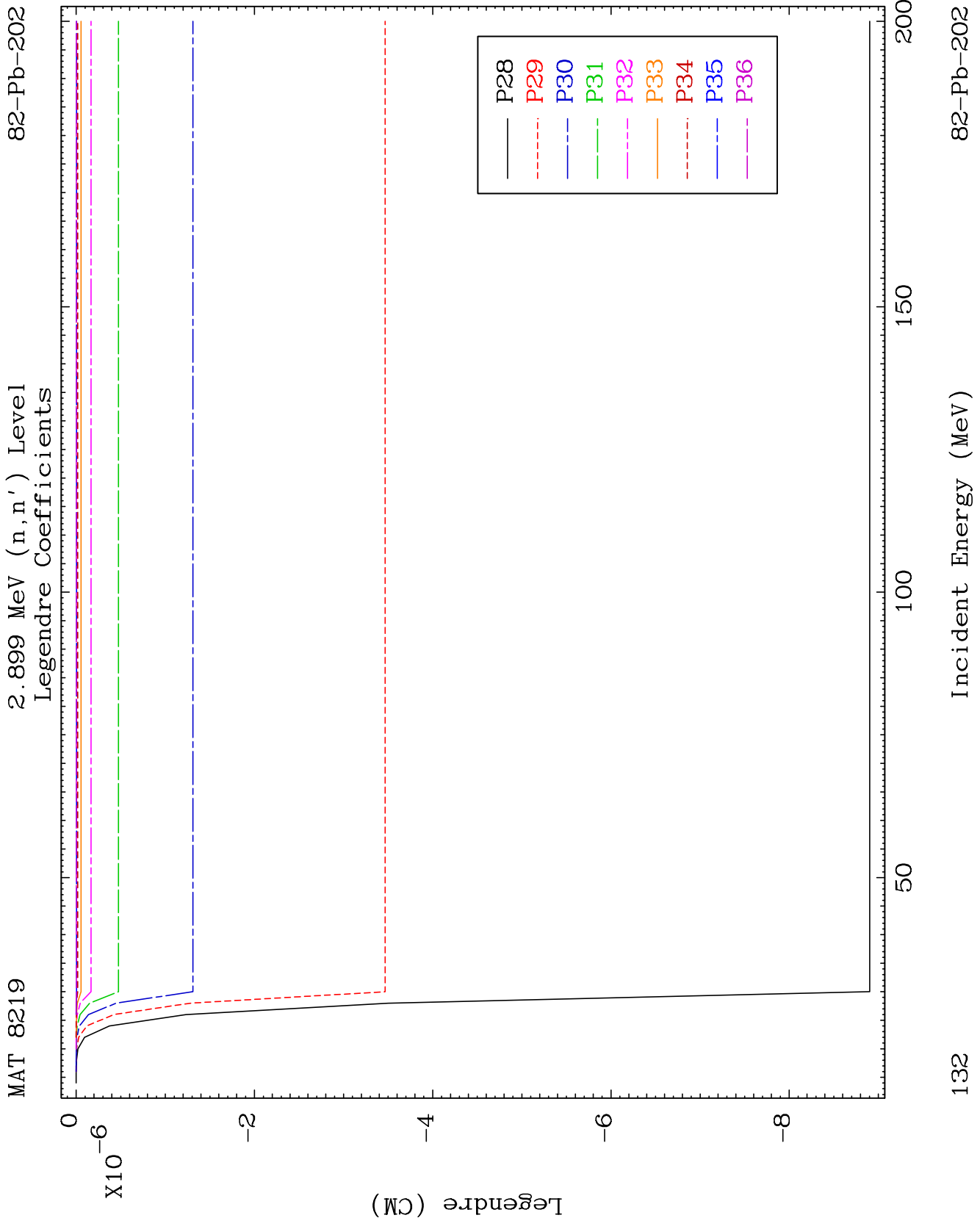


130

Incident Energy (MeV)

82-Pb-202

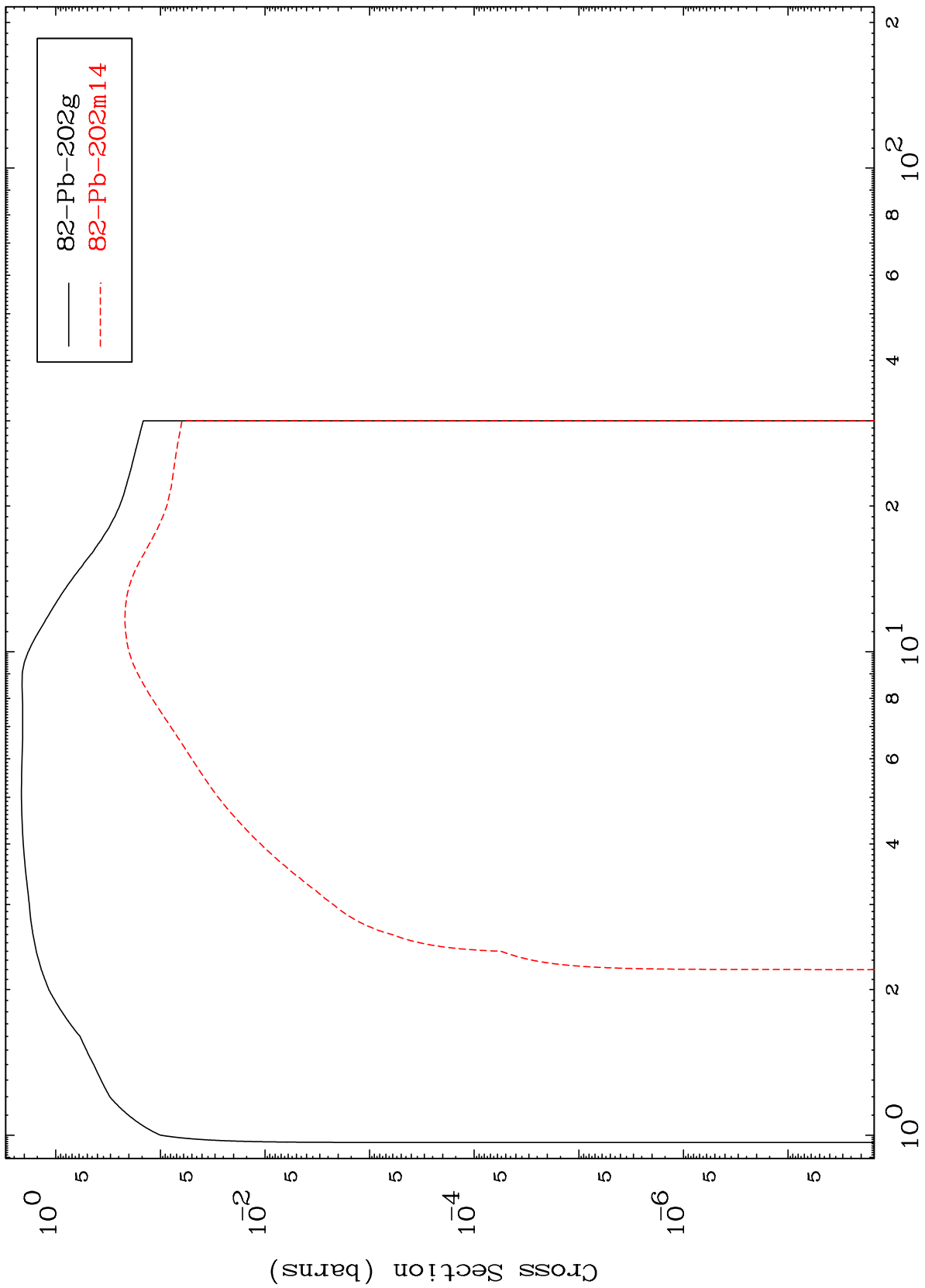




MAT 8219

82-Pb-202

Inelastic
Radionuclide Production Cross Section



Incident Energy (MeV)

82-Pb-202

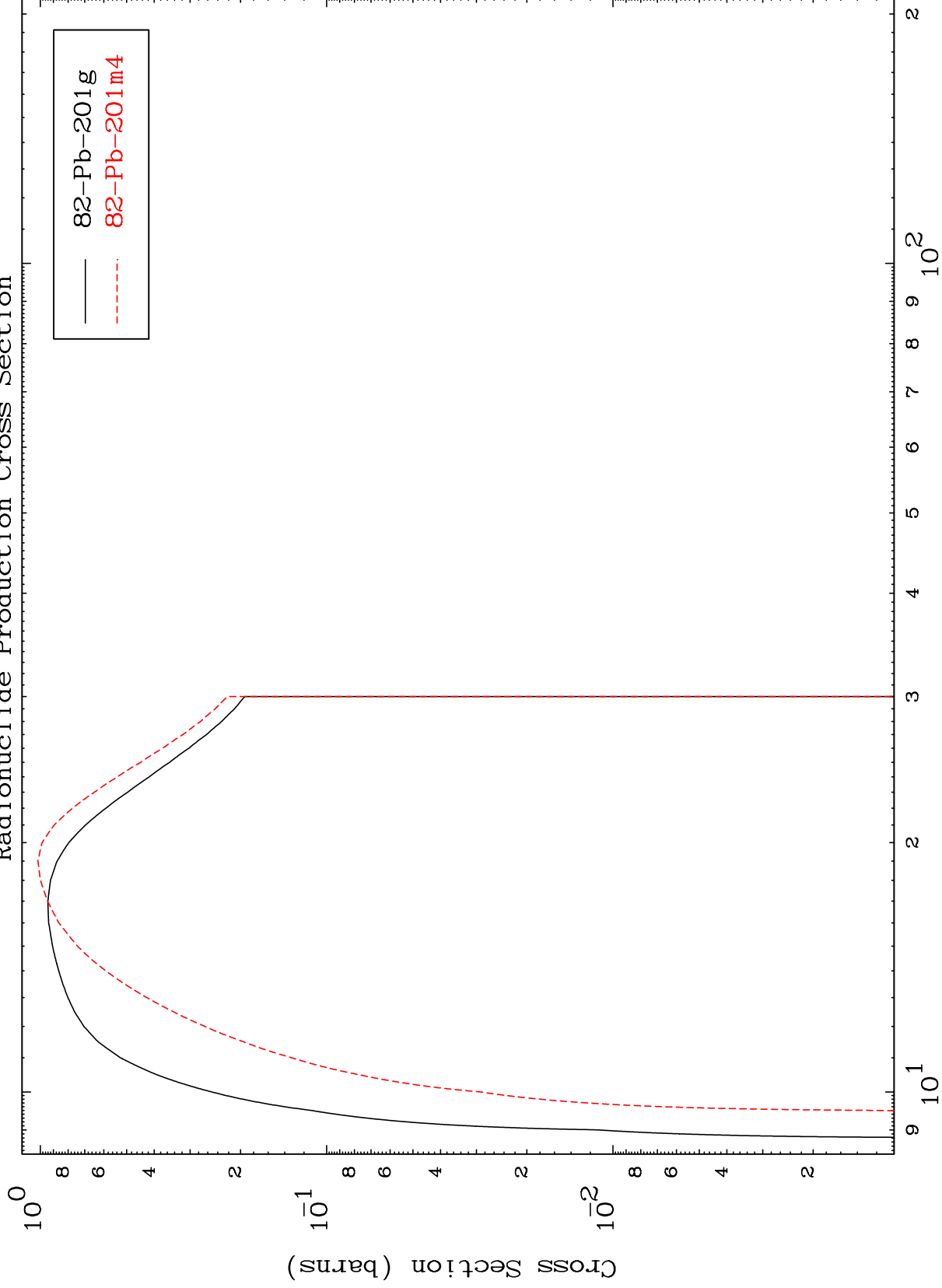
133

MAT 8219

(n,2n)

82-Pb-202

Radionuclide Production Cross Section



Incident Energy (MeV)

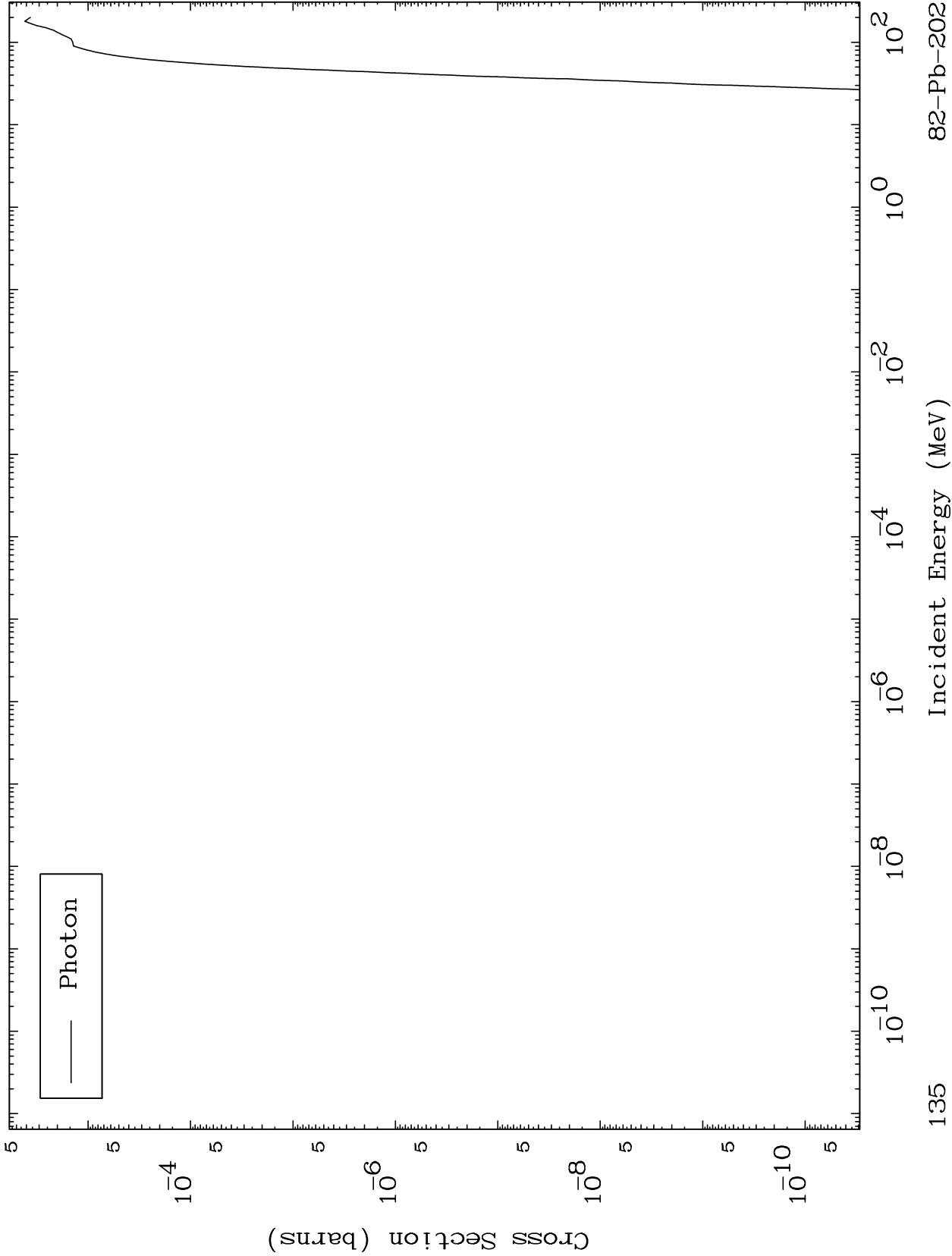
82-Pb-202

134

MAT 8219

Fission
Radionuclide Production Cross Section

82-Pb-202

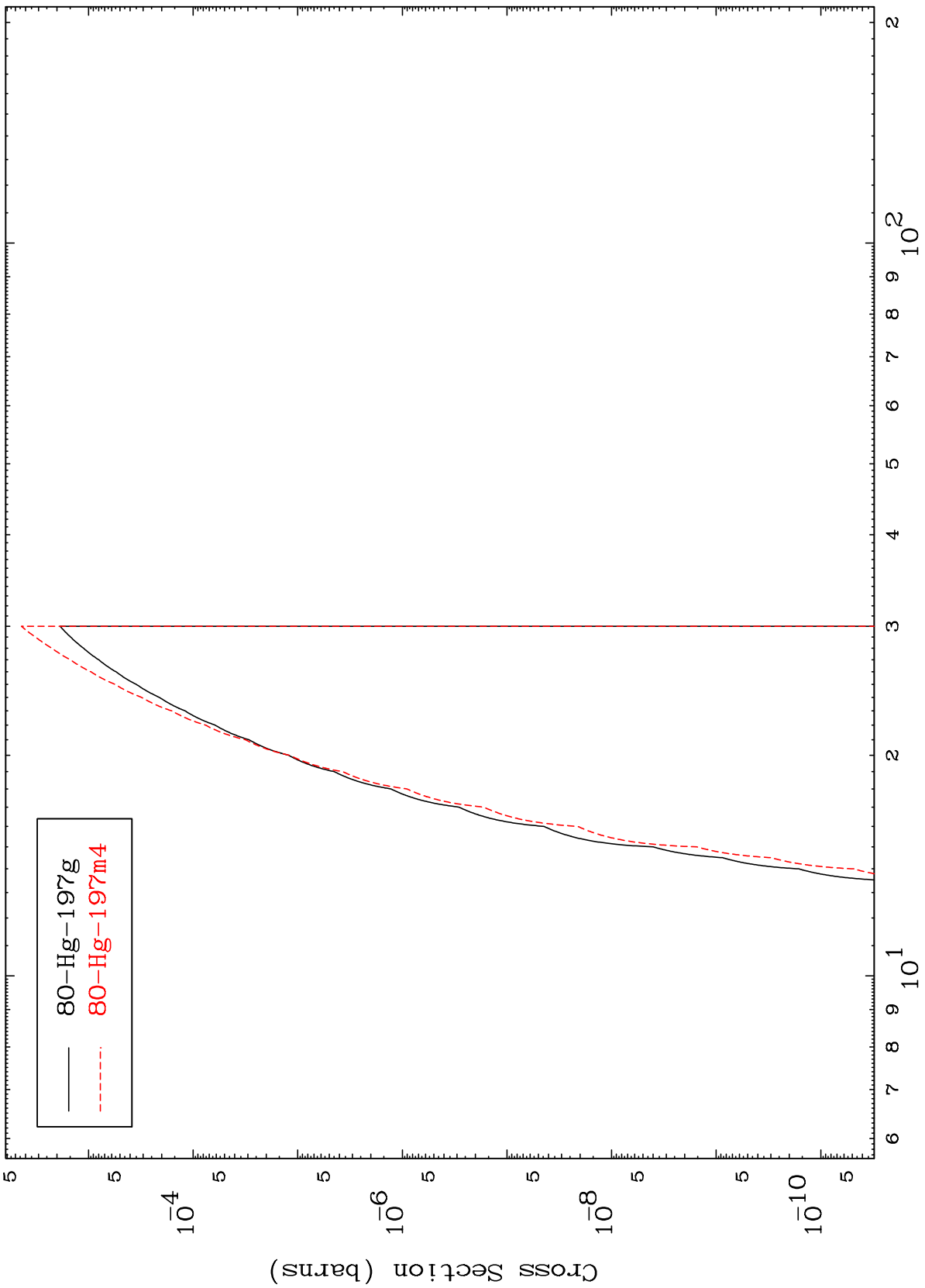


MAT 8219

(n,2n) α

82-Pb-202

Radionuclide Production Cross Section



136

Incident Energy (MeV)

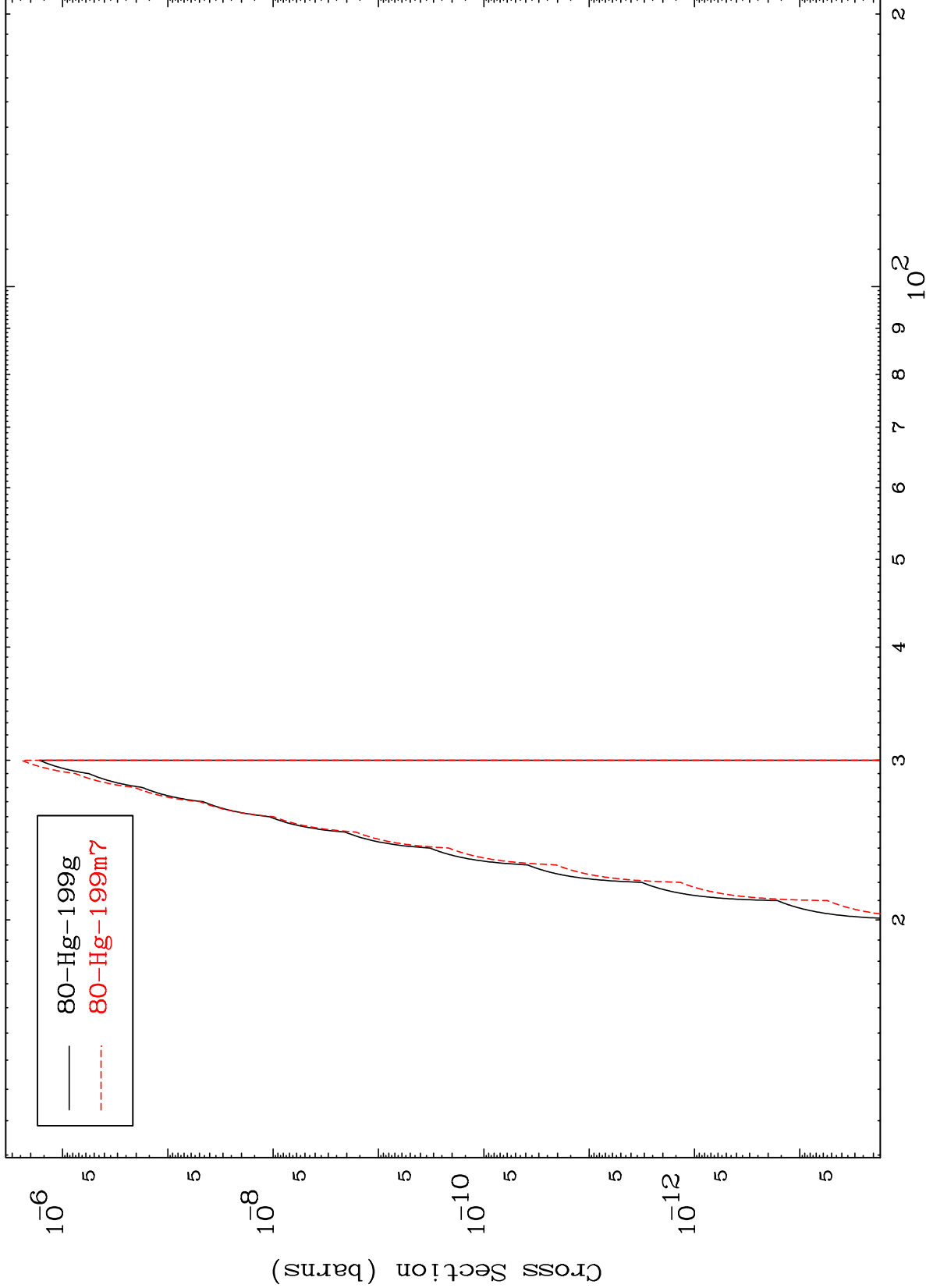
82-Pb-202

MAT 8219

(n,n') He-3

82-Pb-202

Radionuclide Production Cross Section



137

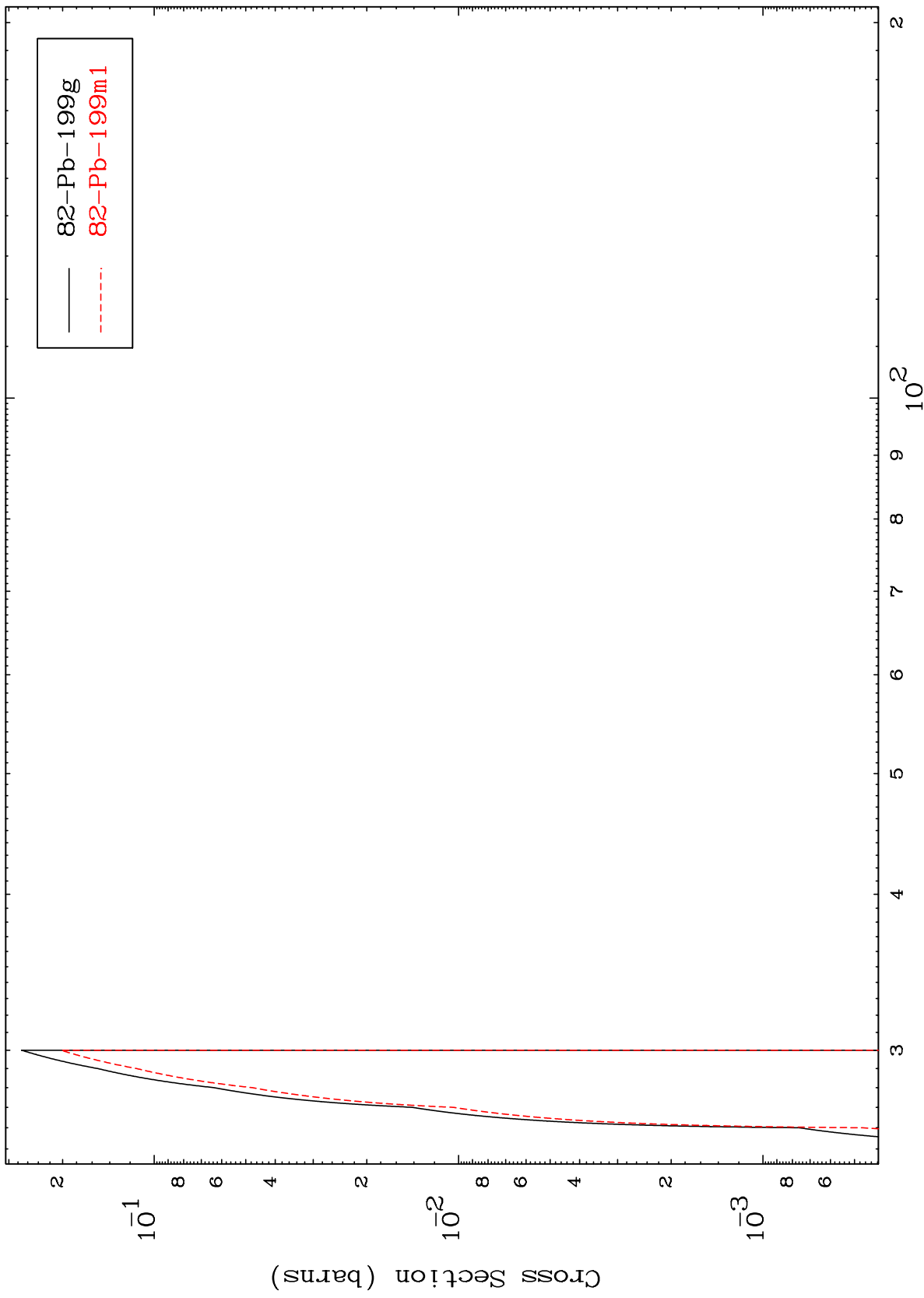
Incident Energy (MeV)

82-Pb-202

MAT 8219

82-Pb-202

(n,4n)
Radionuclide Production Cross Section



138

82-Pb-202

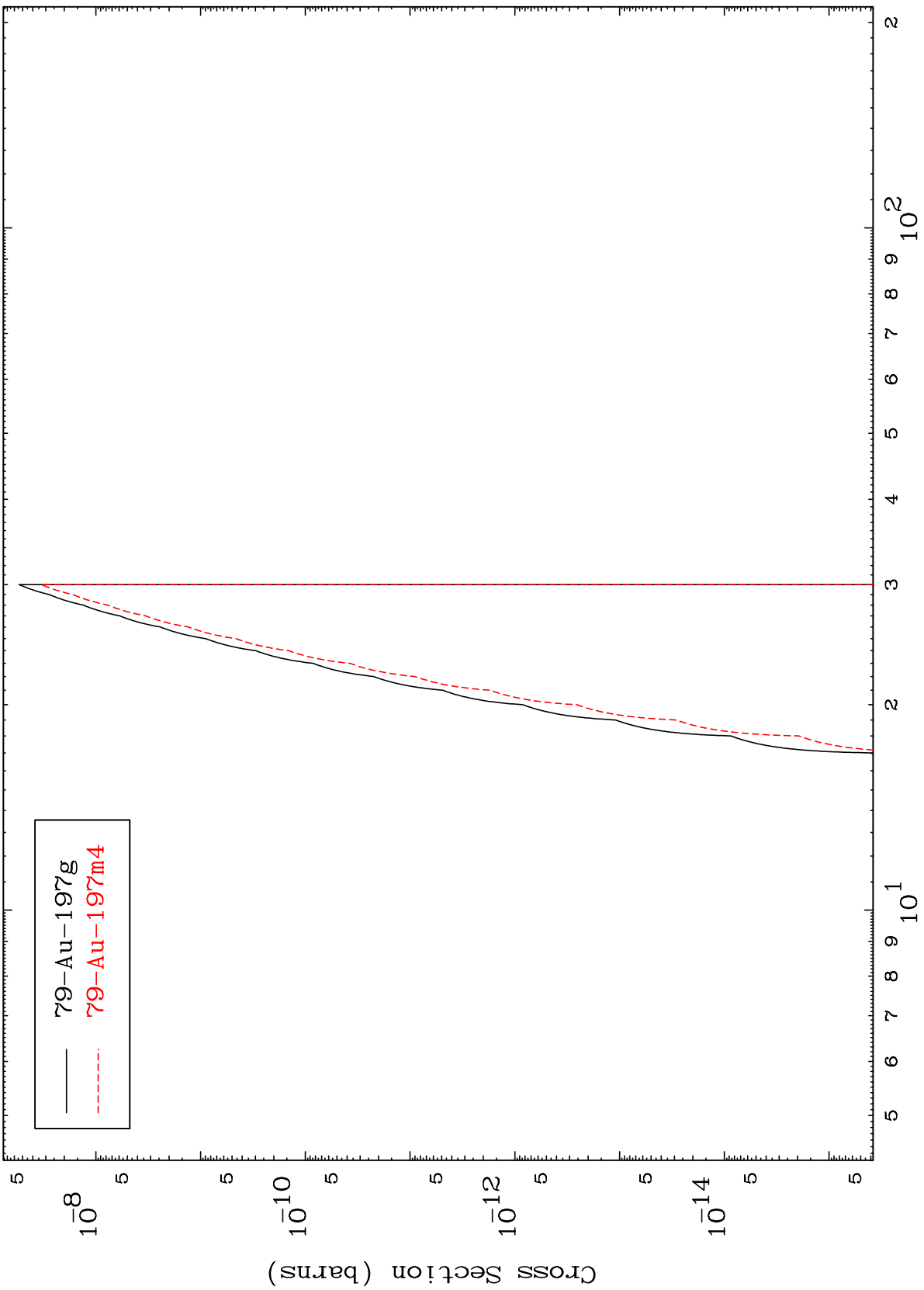
Incident Energy (MeV)

MAT 8219

(n,n') p α

82-Pb-202

Radionuclide Production Cross Section



139

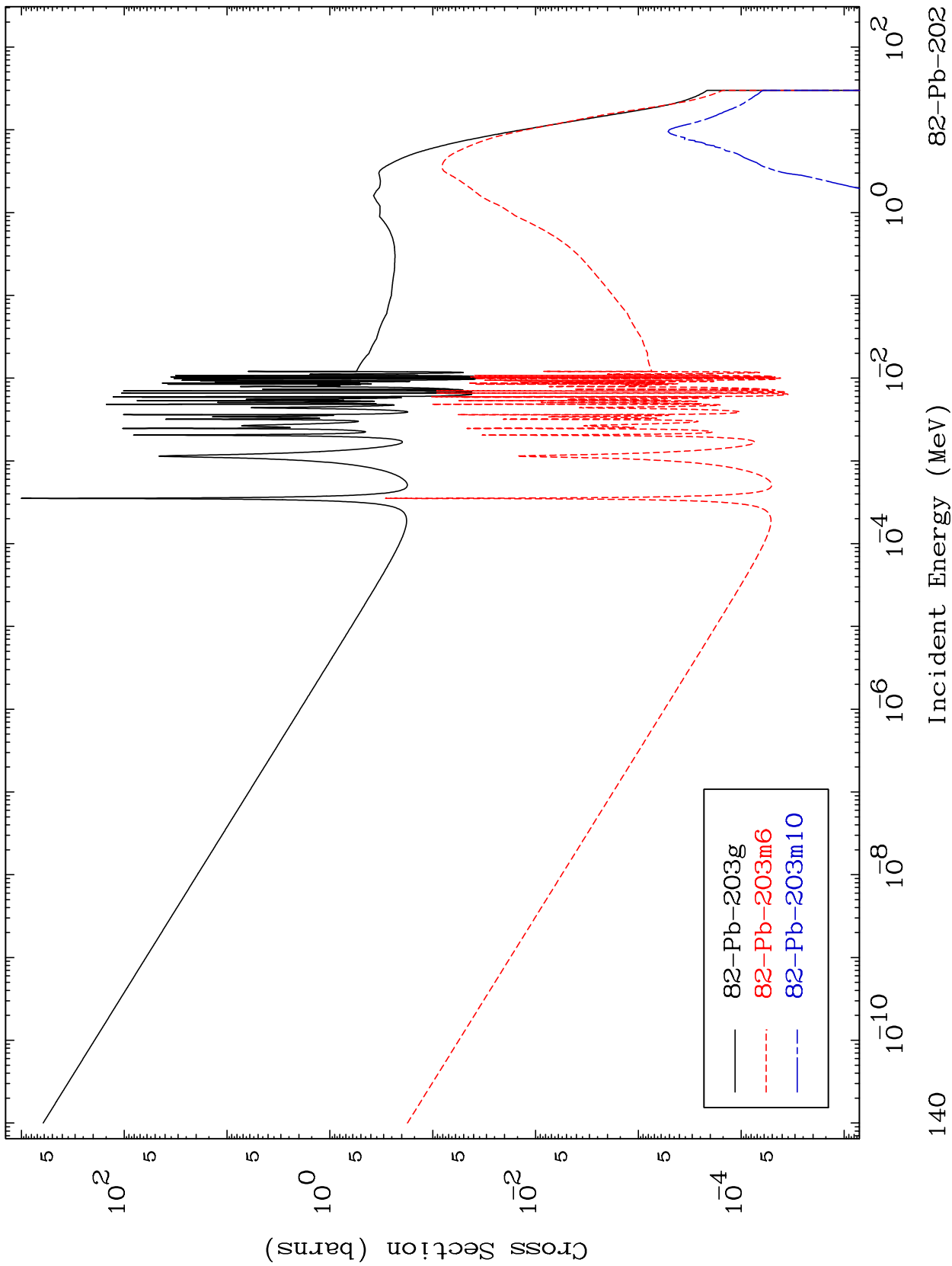
Incident Energy (MeV)

82-Pb-202

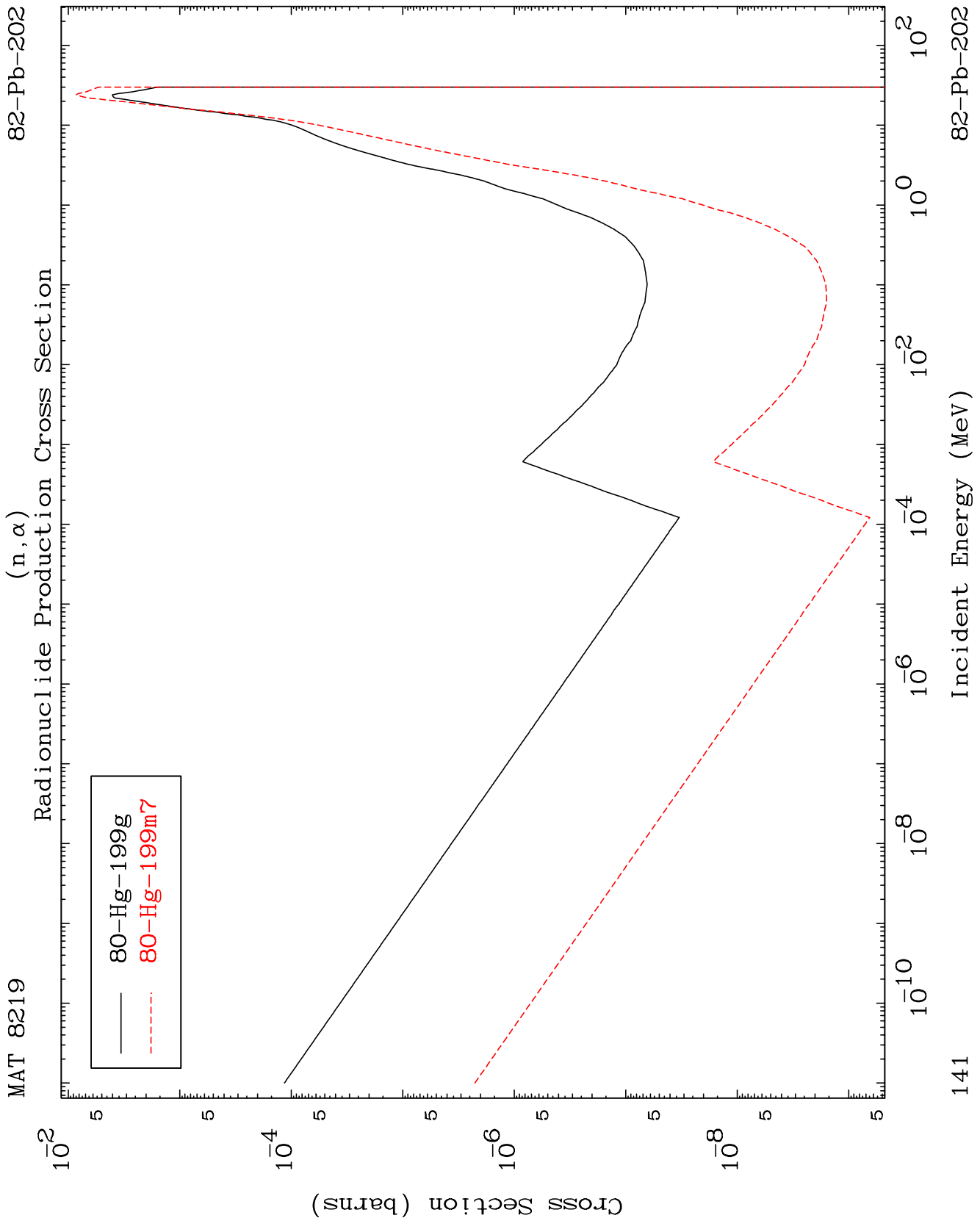
MAT 8219

82-Pb-202

(n, γ)
Radionuclide Production Cross Section



— 82-Pb-203g
- - - 82-Pb-203m6
- · - 82-Pb-203m10

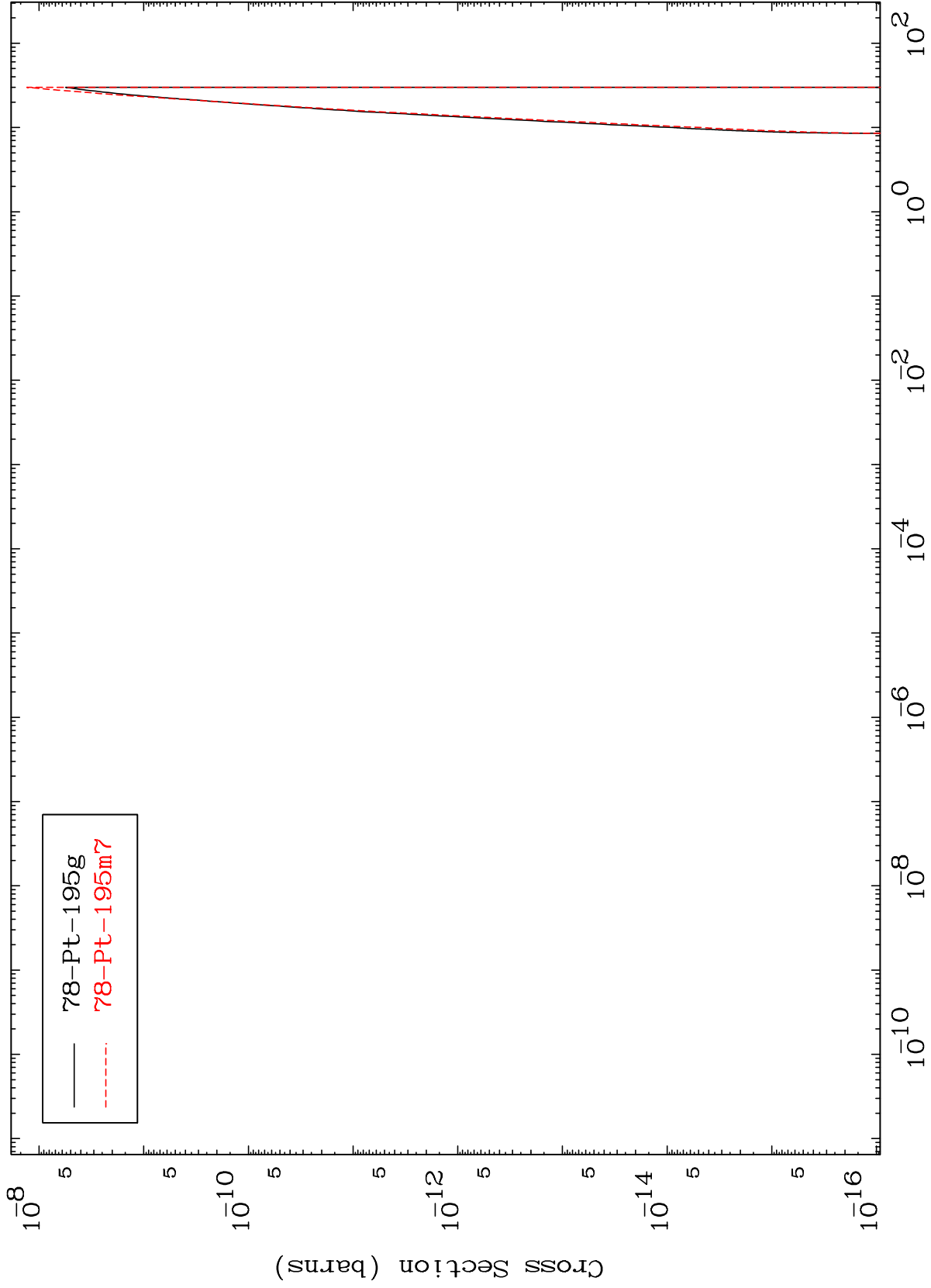


MAT 8219

(n,2α)

82-Pb-202

Radionuclide Production Cross Section



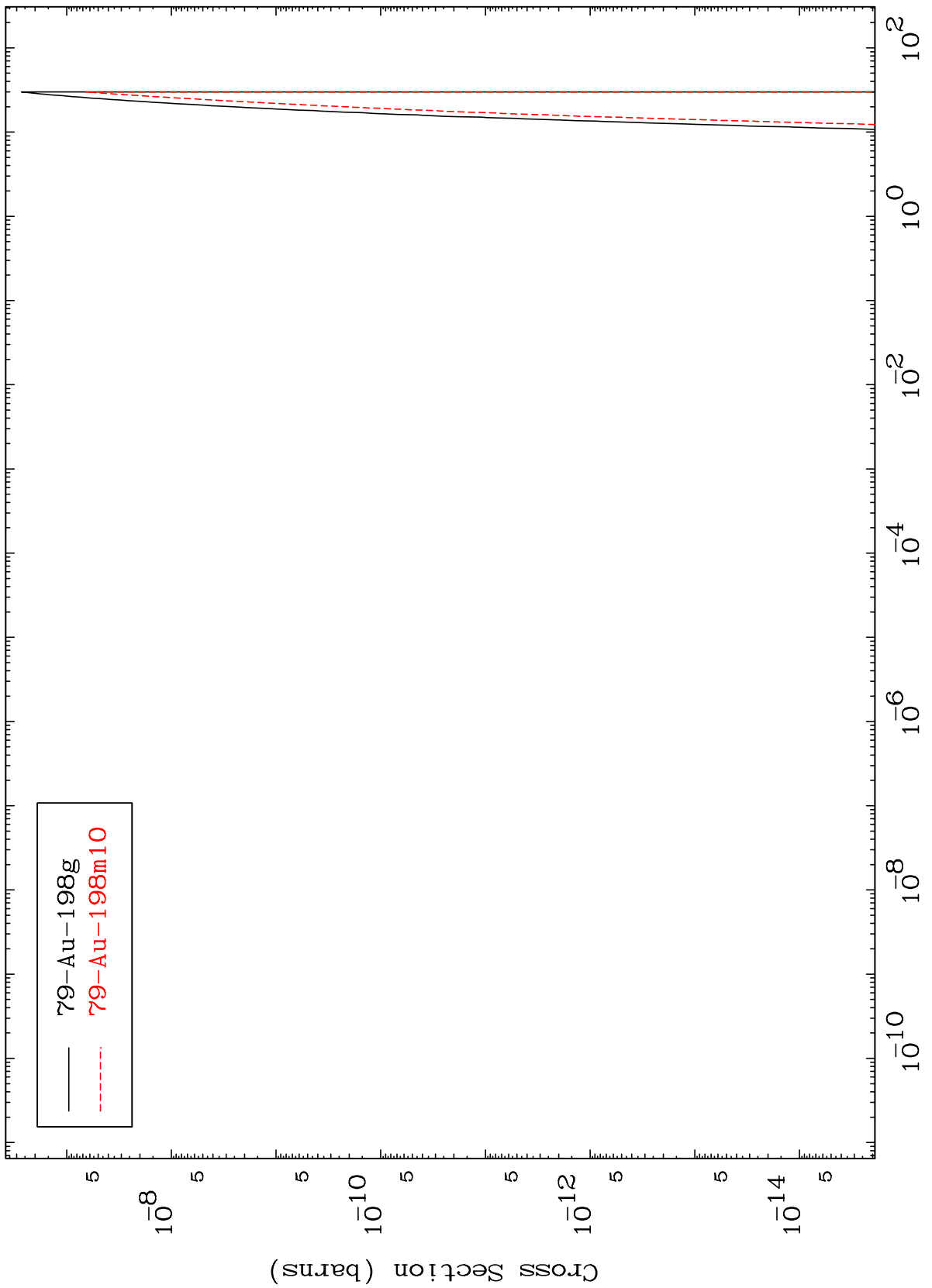
78-Pt-195g
78-Pt-195m7

MAT 8219

(n,p) α

82-Pb-202

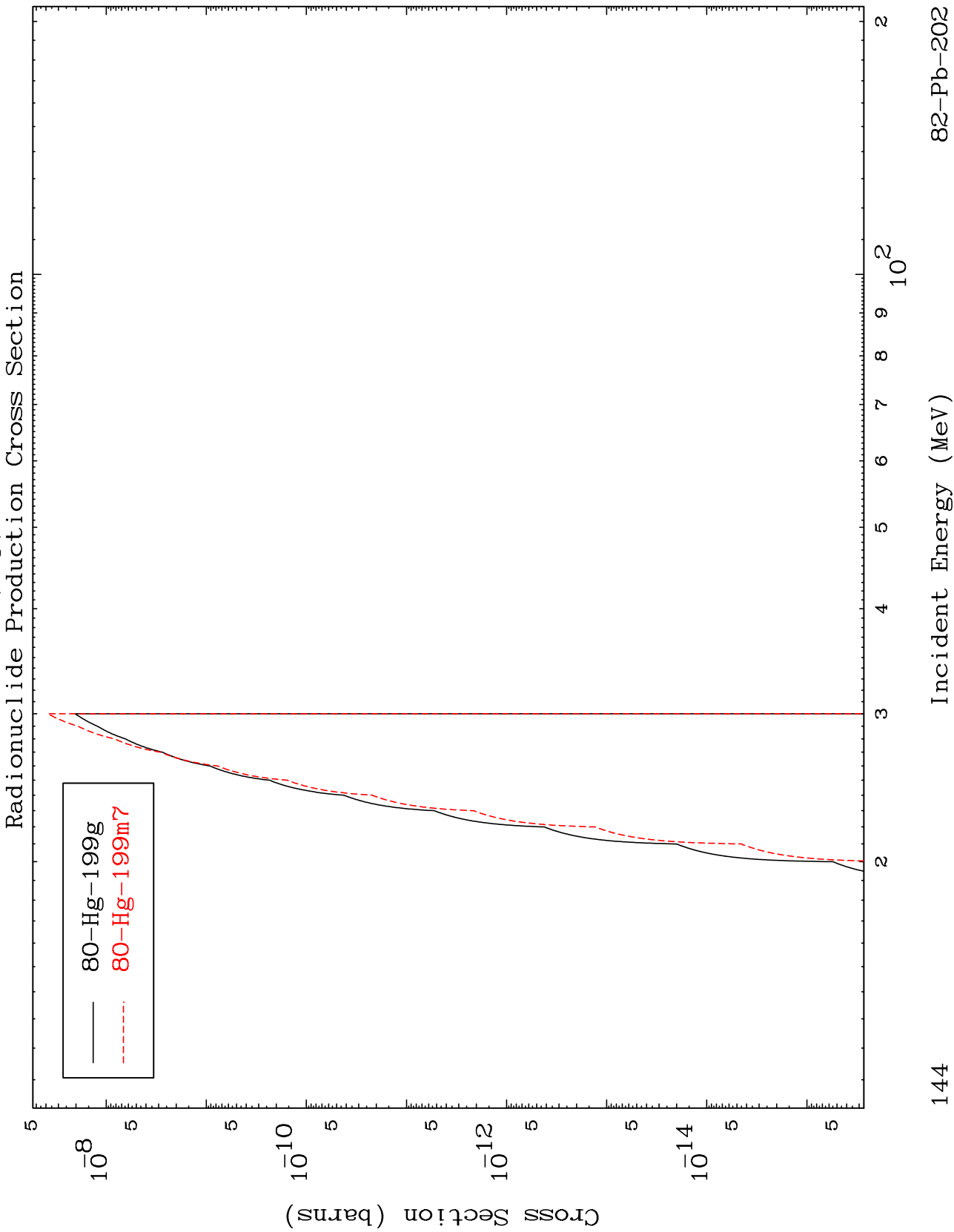
Radionuclide Production Cross Section



MAT 8219

(n,p) t

82-Pb-202



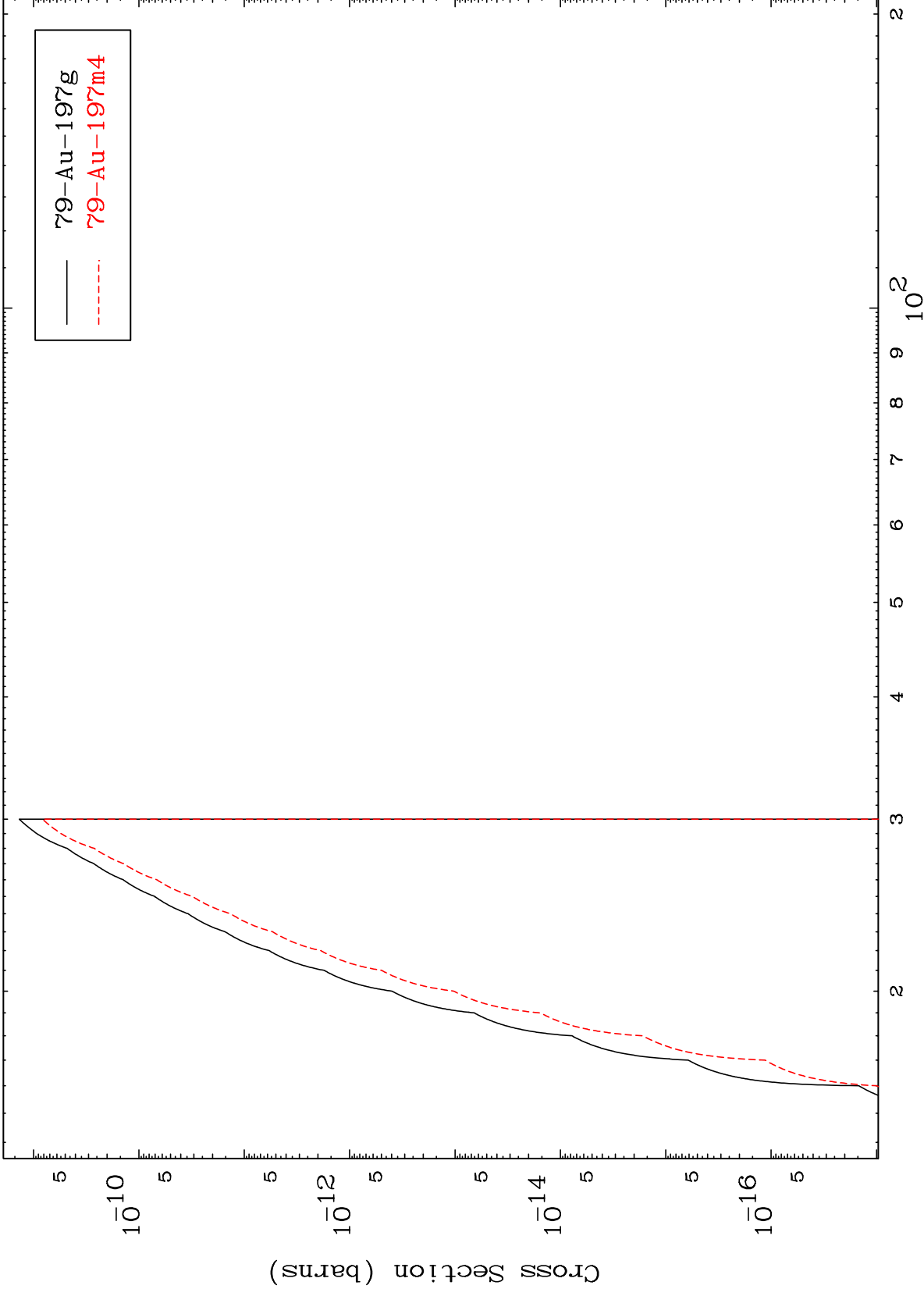
144

MAT 8219

(n,d) α

82-Pb-202

Radionuclide Production Cross Section



79-Au-197g
79-Au-197m4

145

Incident Energy (MeV)

82-Pb-202