

Program EVALPLOT  
(Version 2015-2)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

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

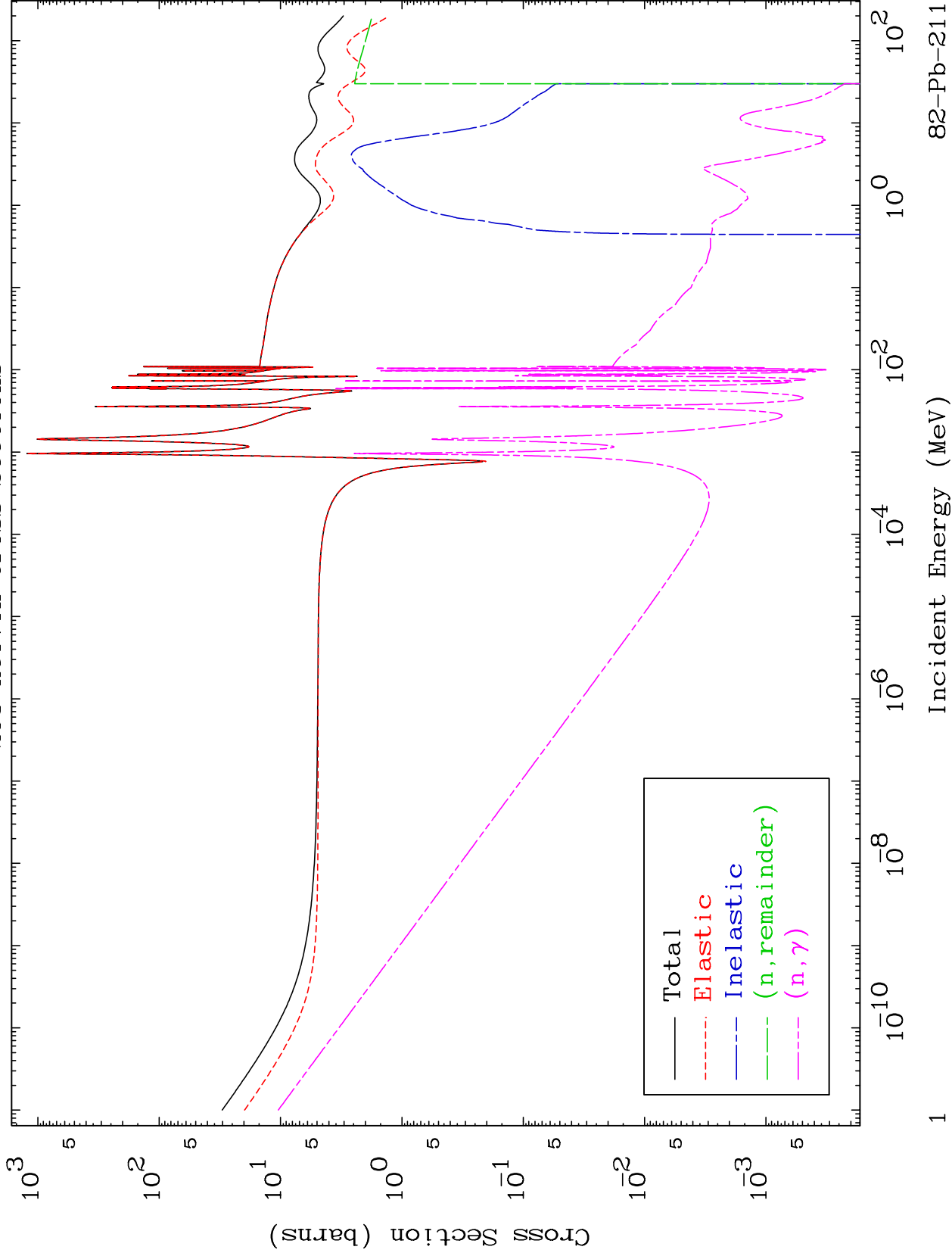
Press Mouse Button to Start

MAT 8246

Major

293 Kelvin Cross Sections

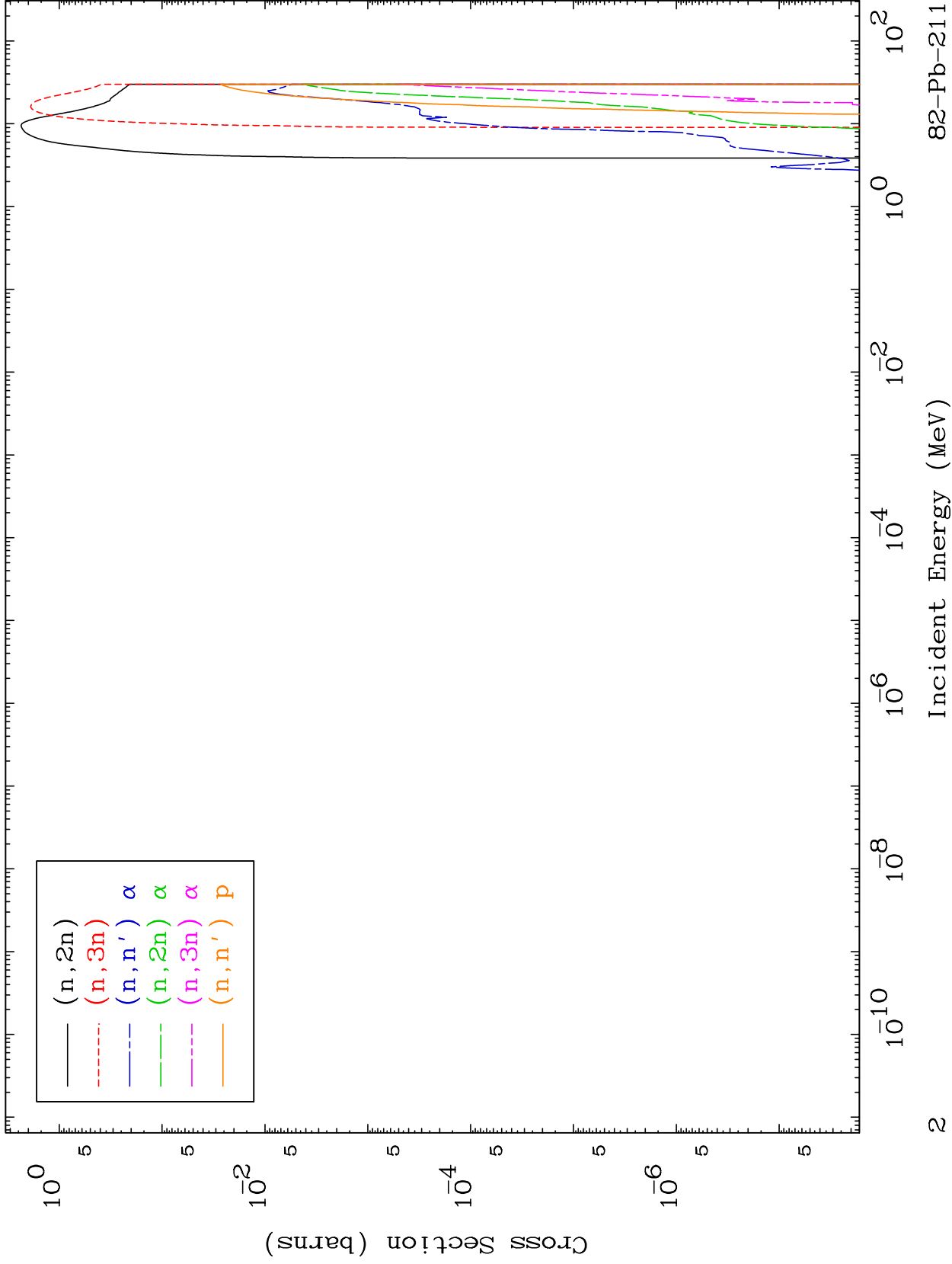
82-Pb-211



MAT 8246

Neutron Production  
293 Kelvin Cross Sections

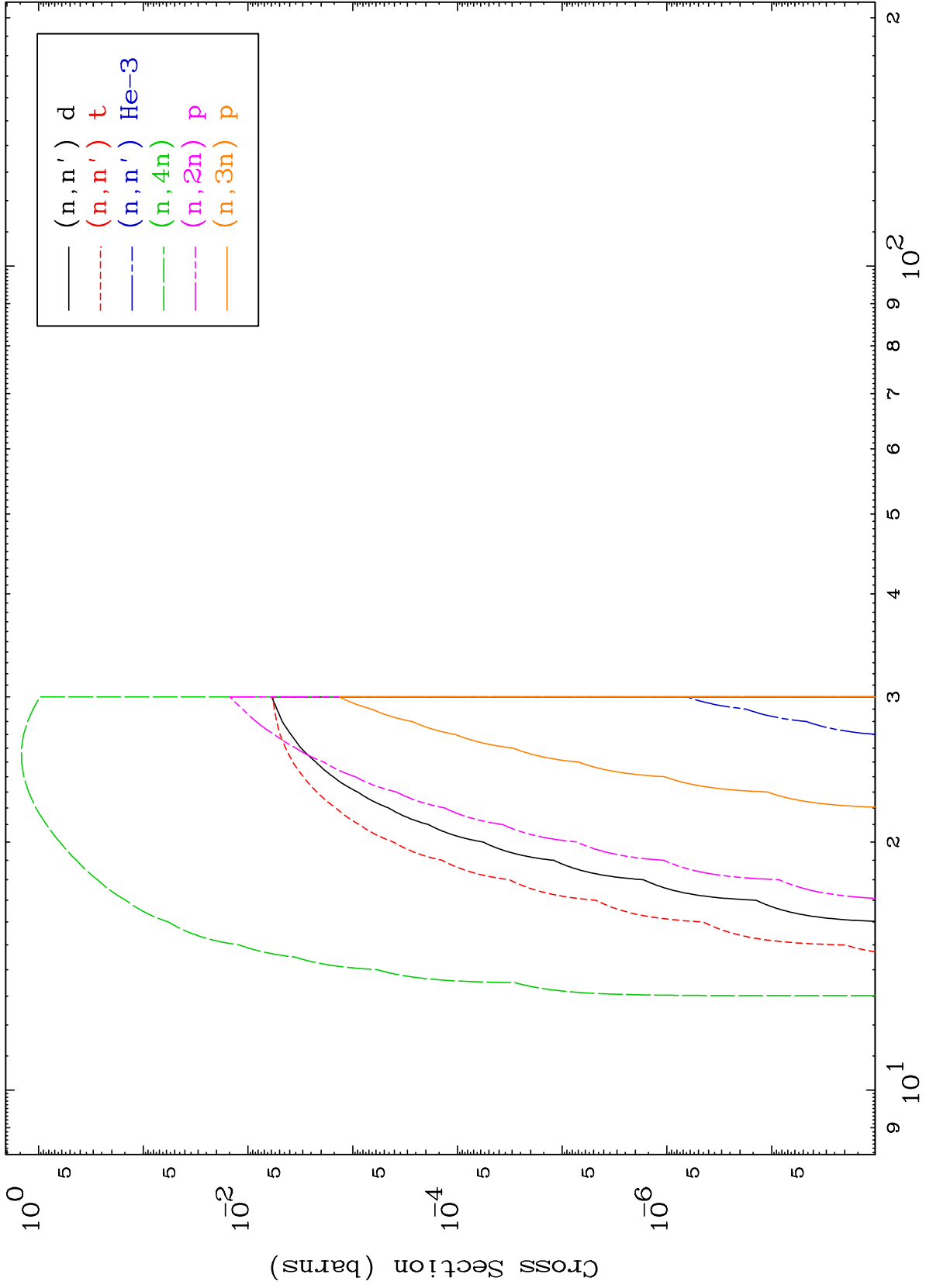
82-Pb-211



MAT 8246

Neutron Production  
293 Kelvin Cross Sections

82-Pb-211



Incident Energy (MeV)

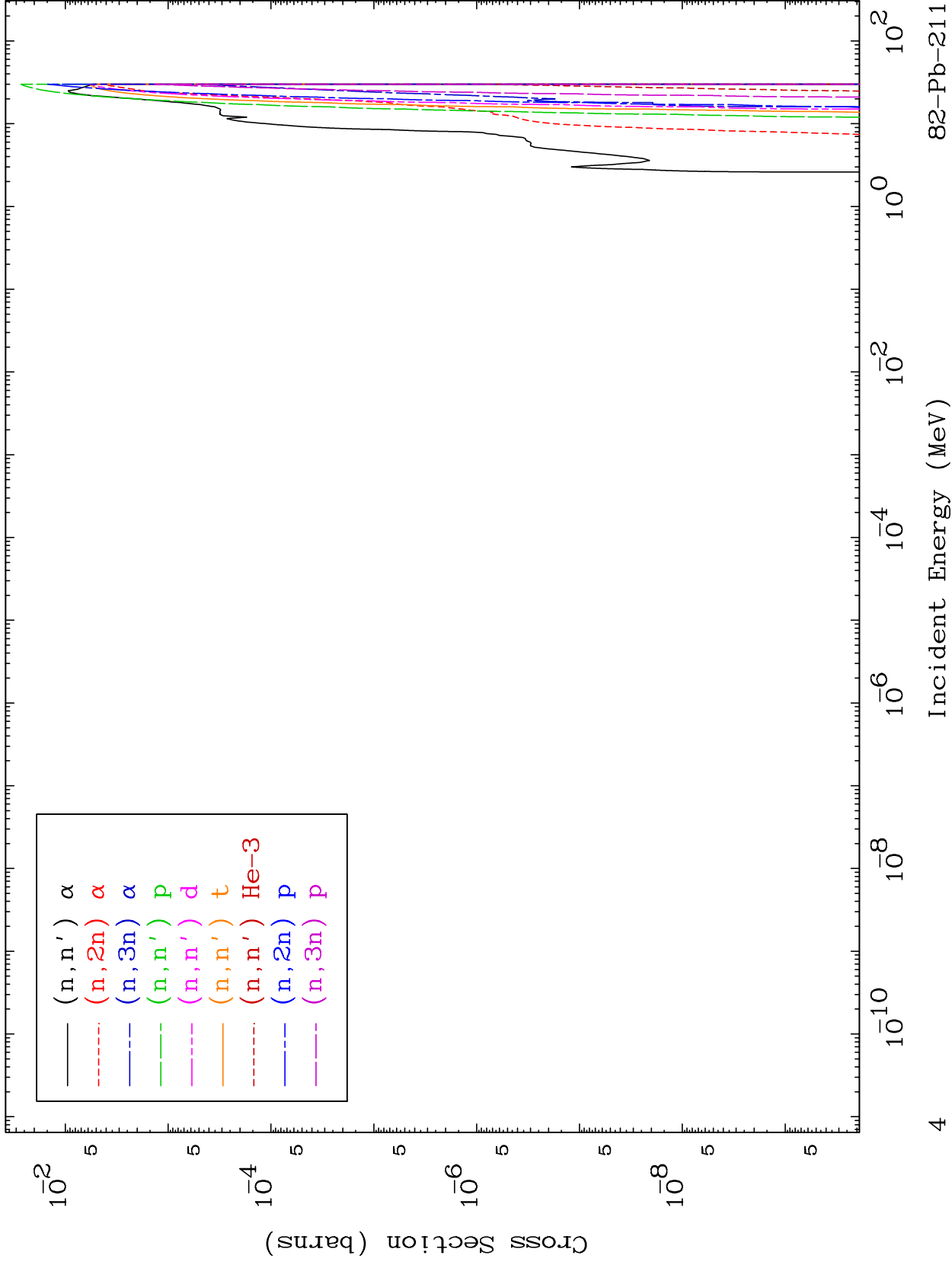
82-Pb-211

3

MAT 8246

Charged Particle  
293 Kelvin Cross Sections

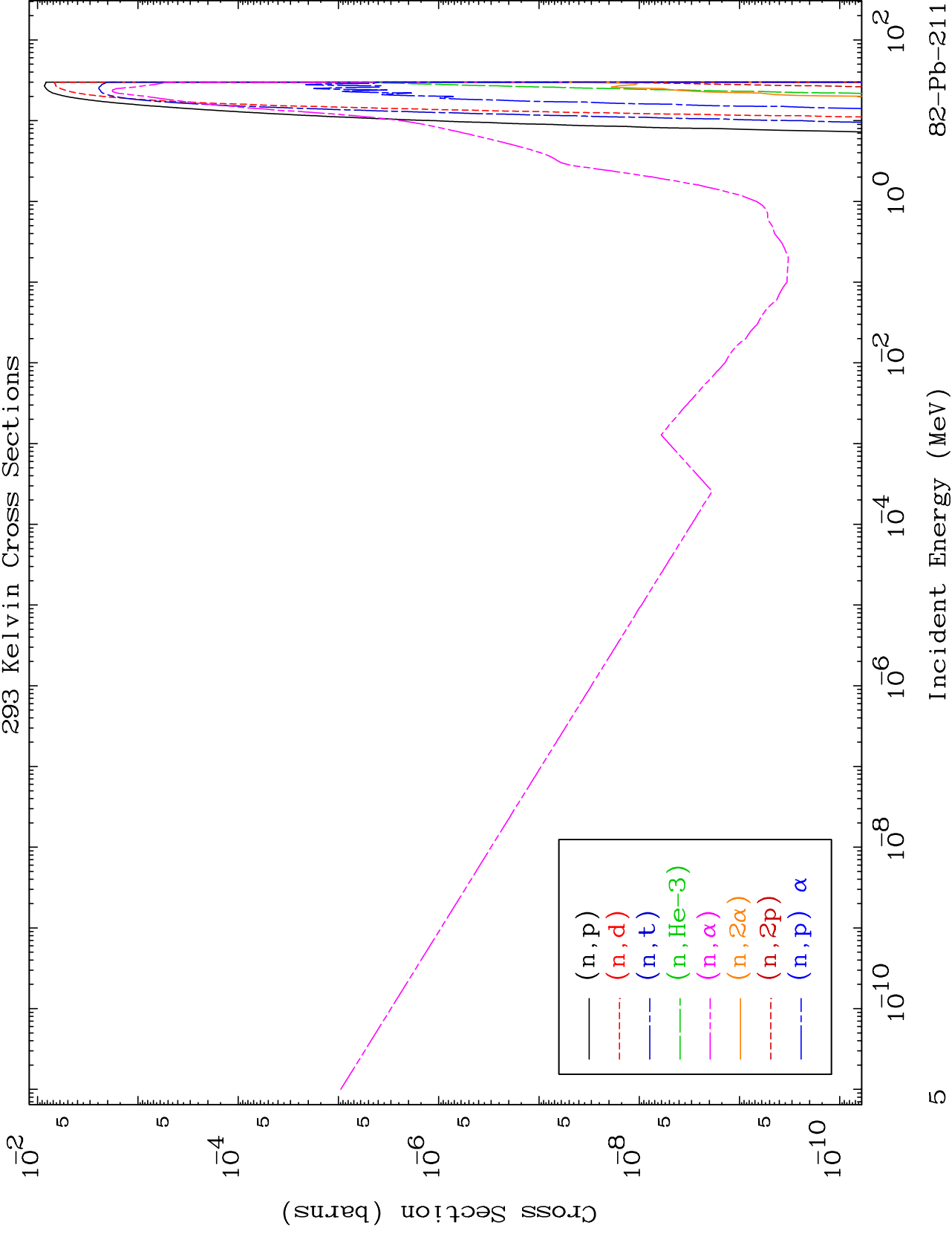
82-Pb-211

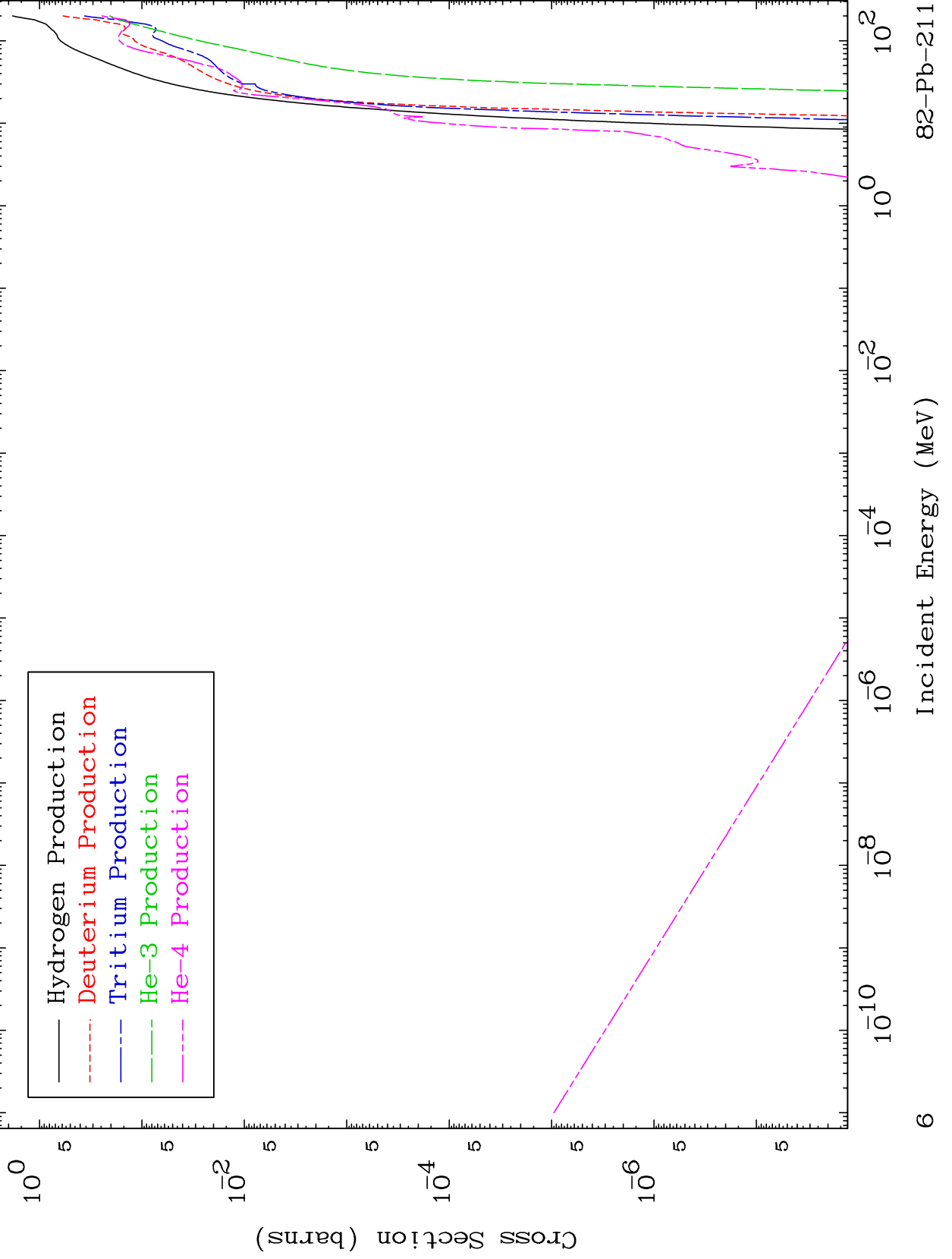


MAT 8246

Charged Particle  
293 Kelvin Cross Sections

82-Pb-211



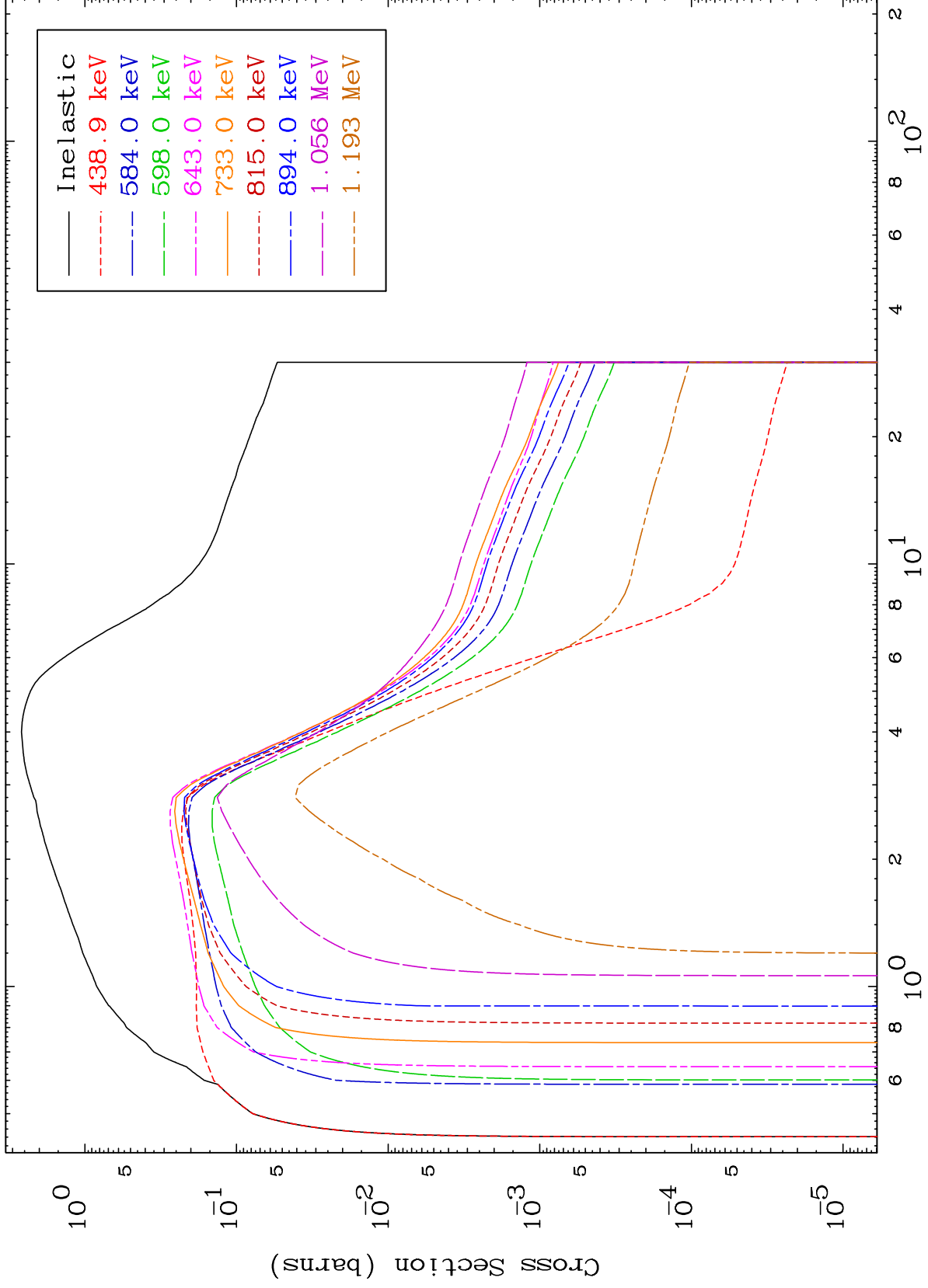


MAT 8246

(n,n') Level

82-Pb-211

293 Kelvin Cross Sections



7

Incident Energy (MeV)

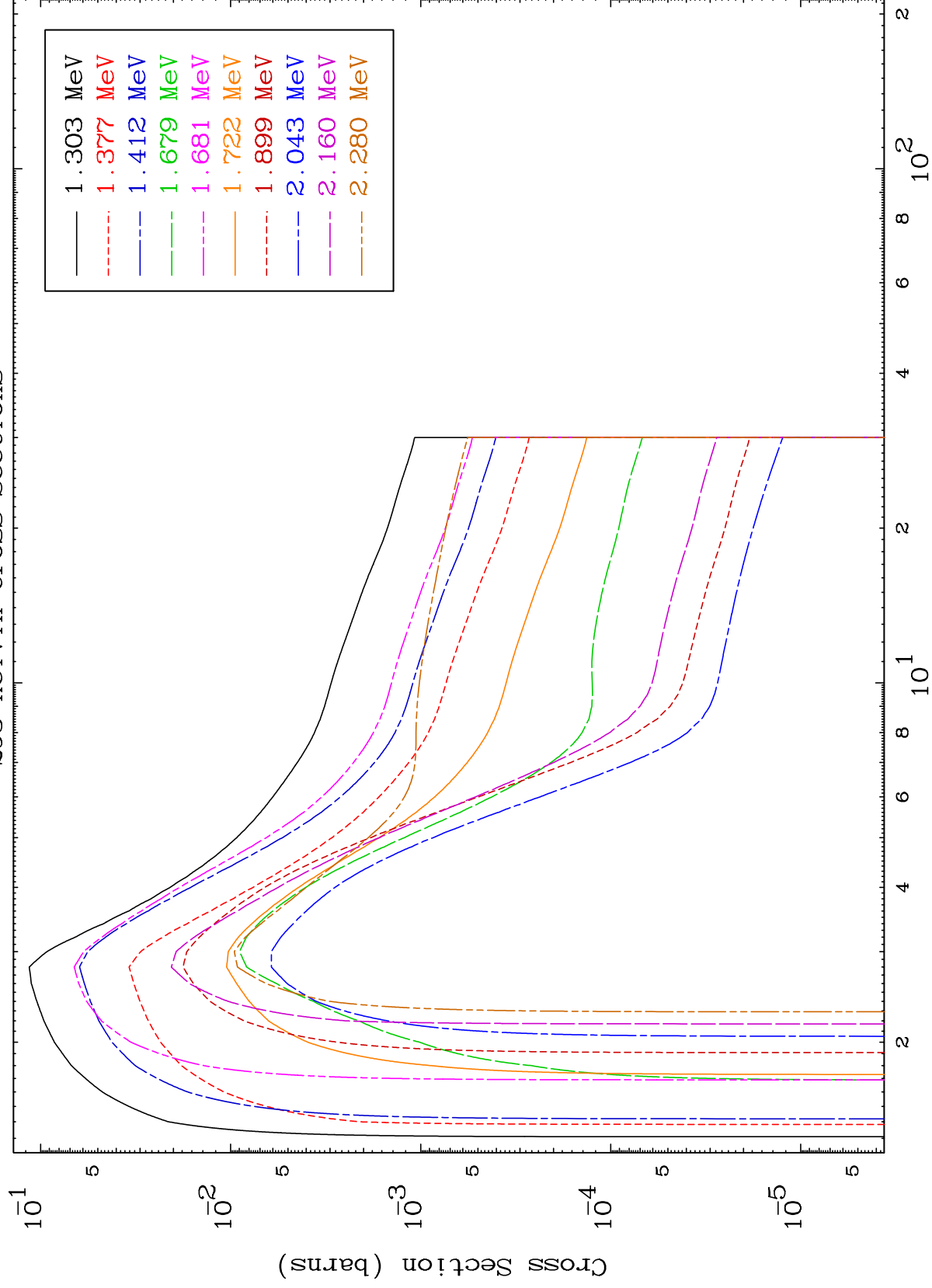
82-Pb-211



MAT 8246

(n,n') Level  
293 Kelvin Cross Sections

82-Pb-211



8

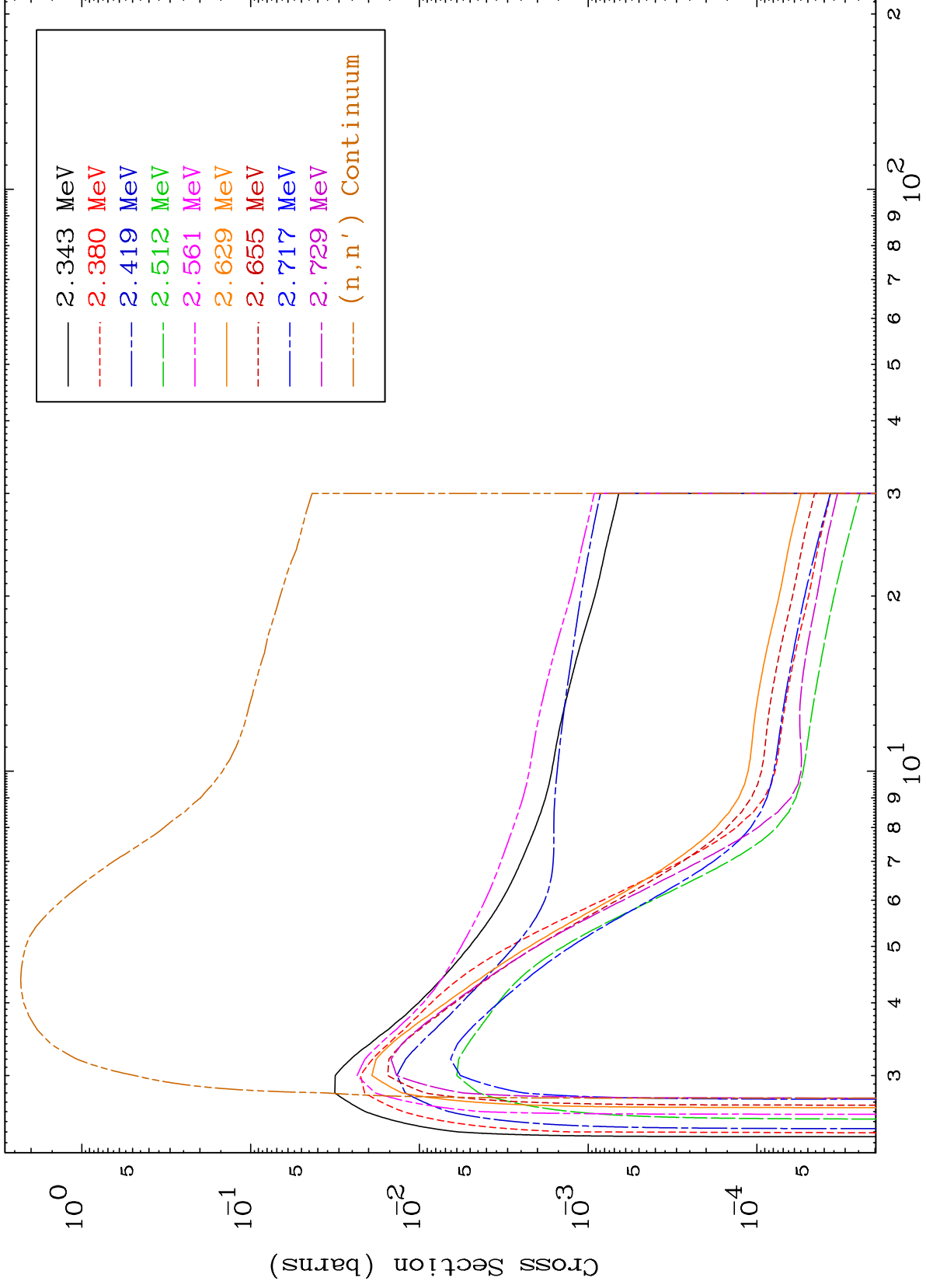
Incident Energy (MeV)

82-Pb-211

MAT 8246

(n,n') Level  
293 Kelvin Cross Sections

82-Pb-211



9

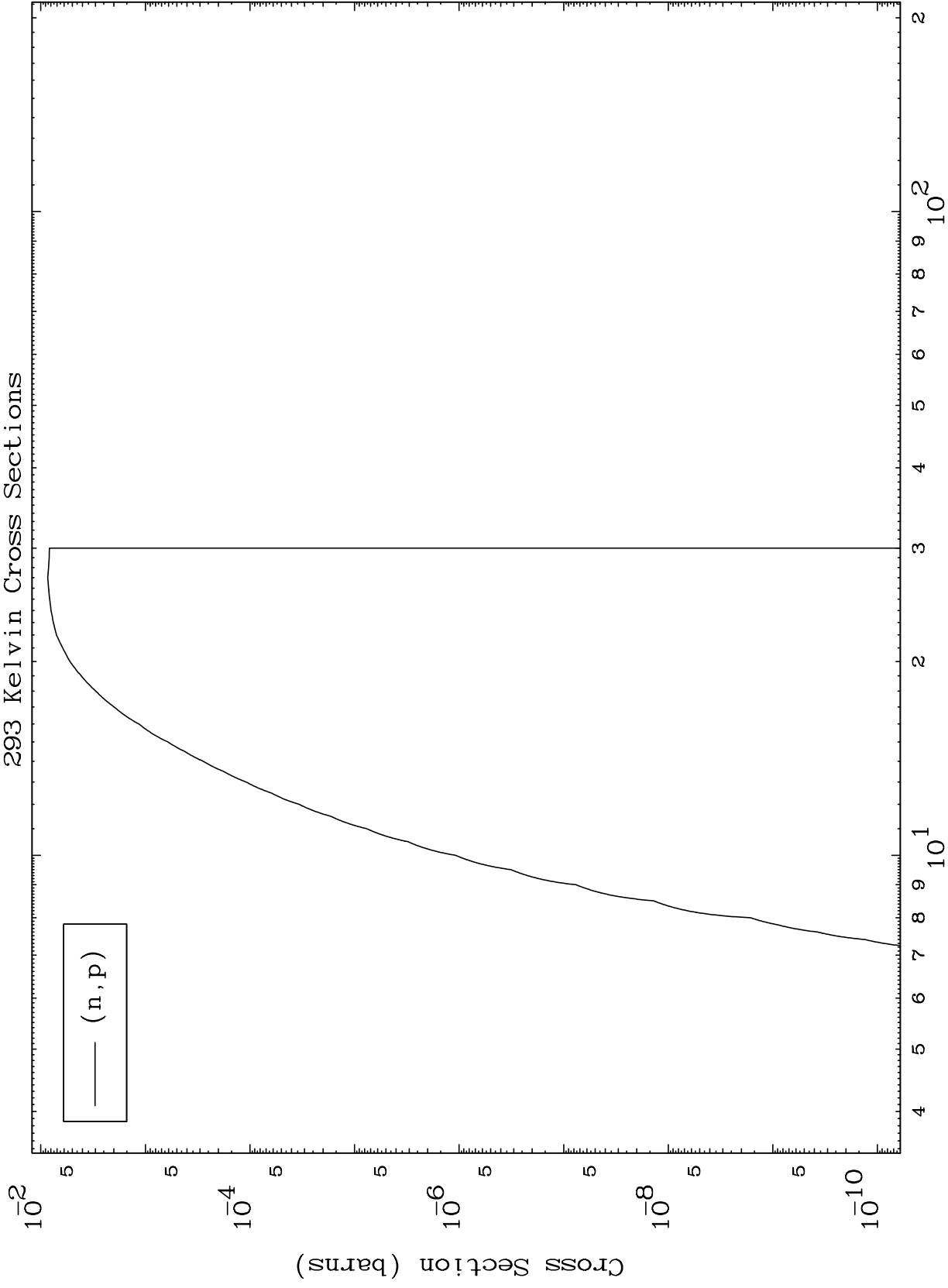
Incident Energy (MeV)

82-Pb-211

MAT 8246

(n,p) Levels  
293 Kelvin Cross Sections

82-Pb-211



10

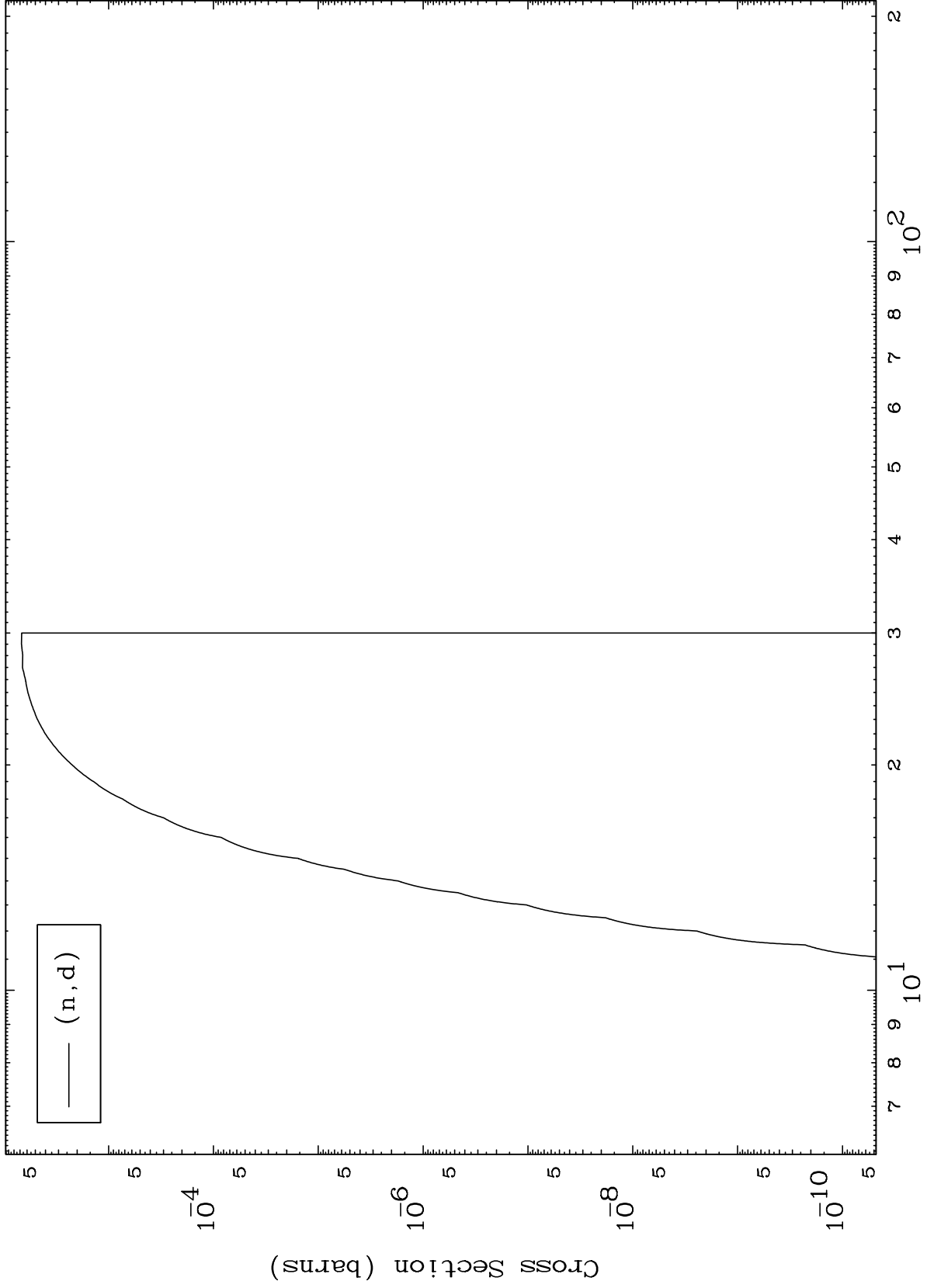
Incident Energy (MeV)

82-Pb-211

MAT 8246

(n,d) Levels  
293 Kelvin Cross Sections

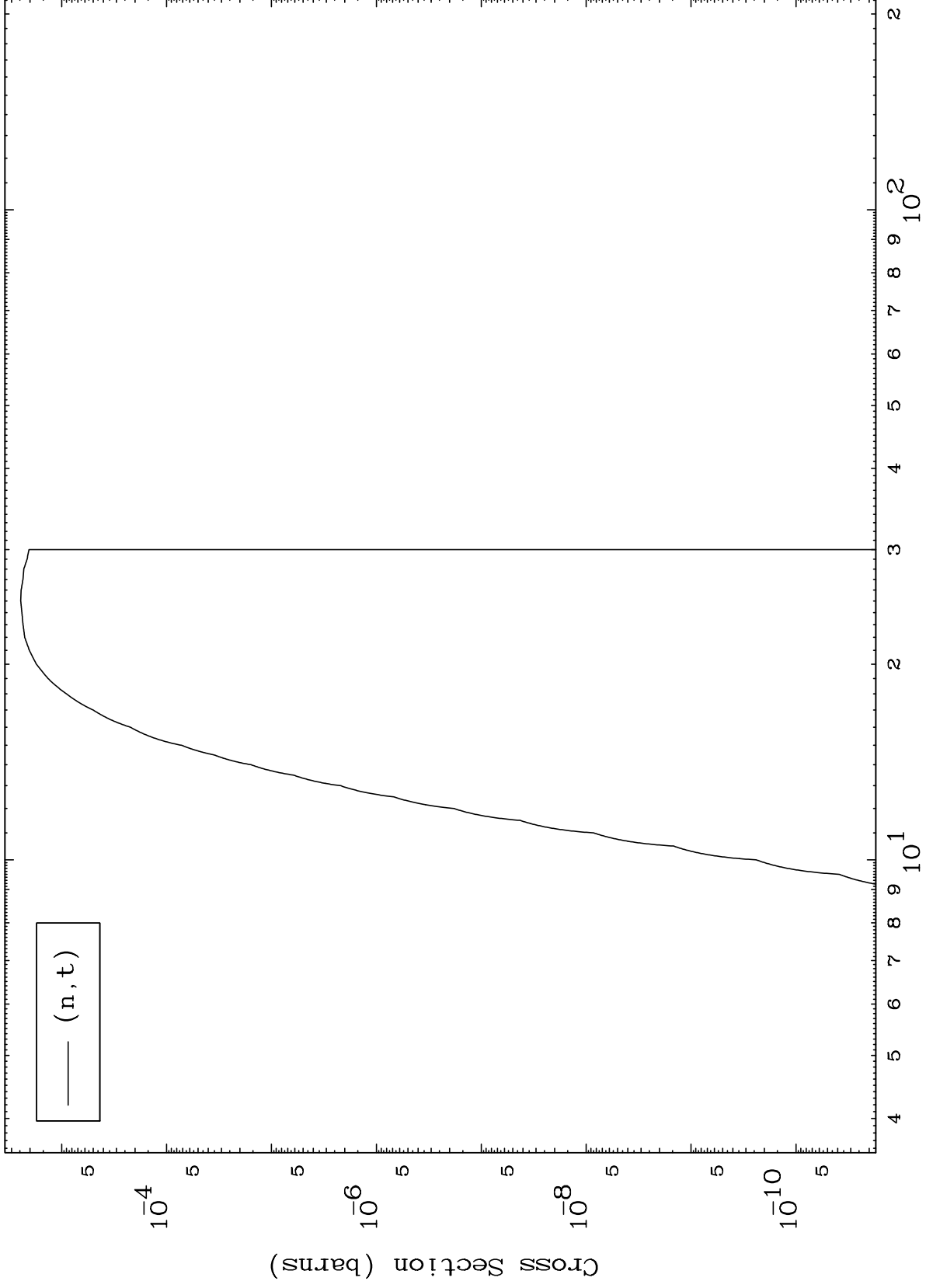
82-Pb-211



MAT 8246

(n,t) Levels  
293 Kelvin Cross Sections

82-Pb-211



(n,t)

82-Pb-211

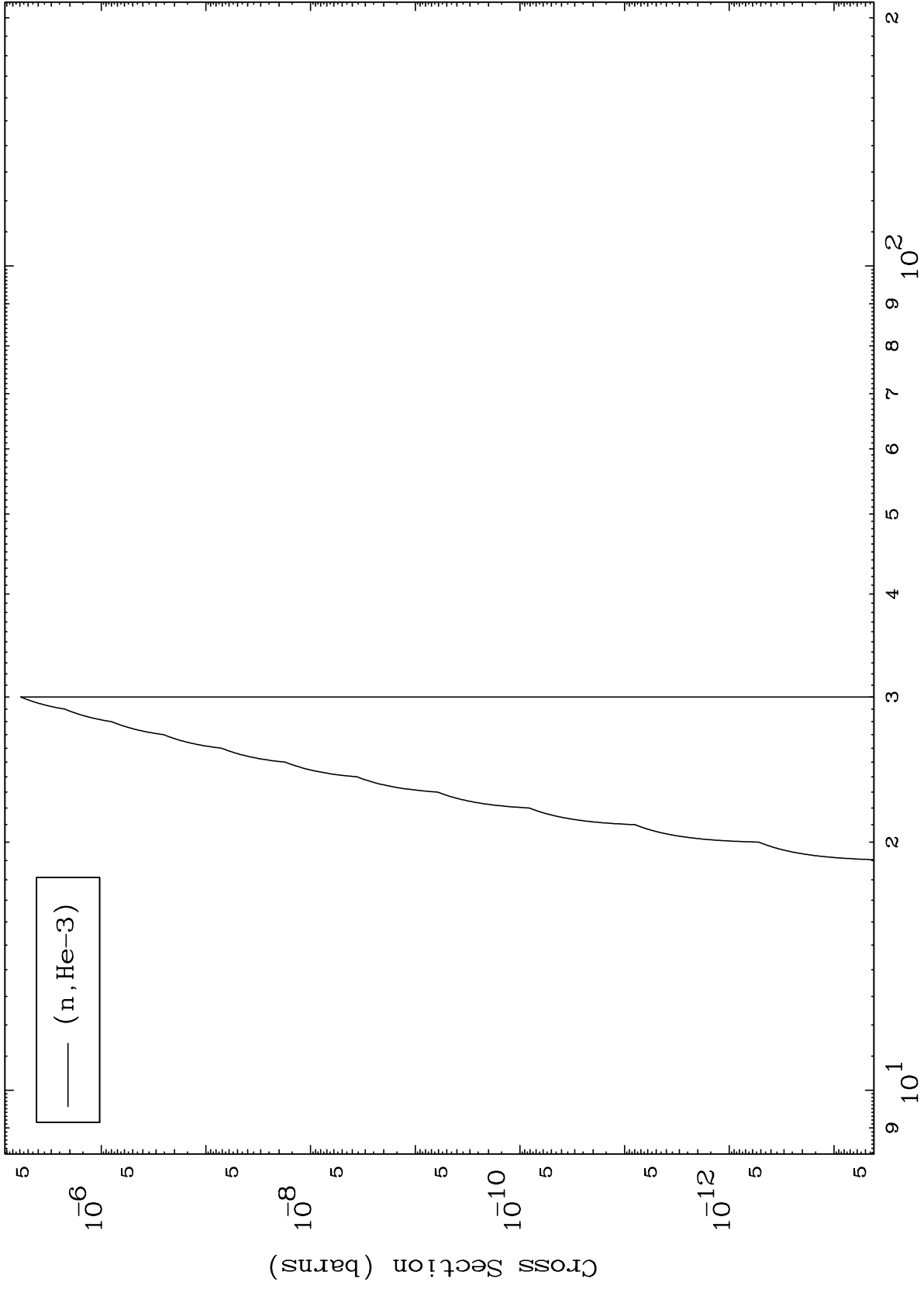
Incident Energy (MeV)

12

MAT 8246

(n,He3) Levels  
293 Kelvin Cross Sections

82-Pb-211



13

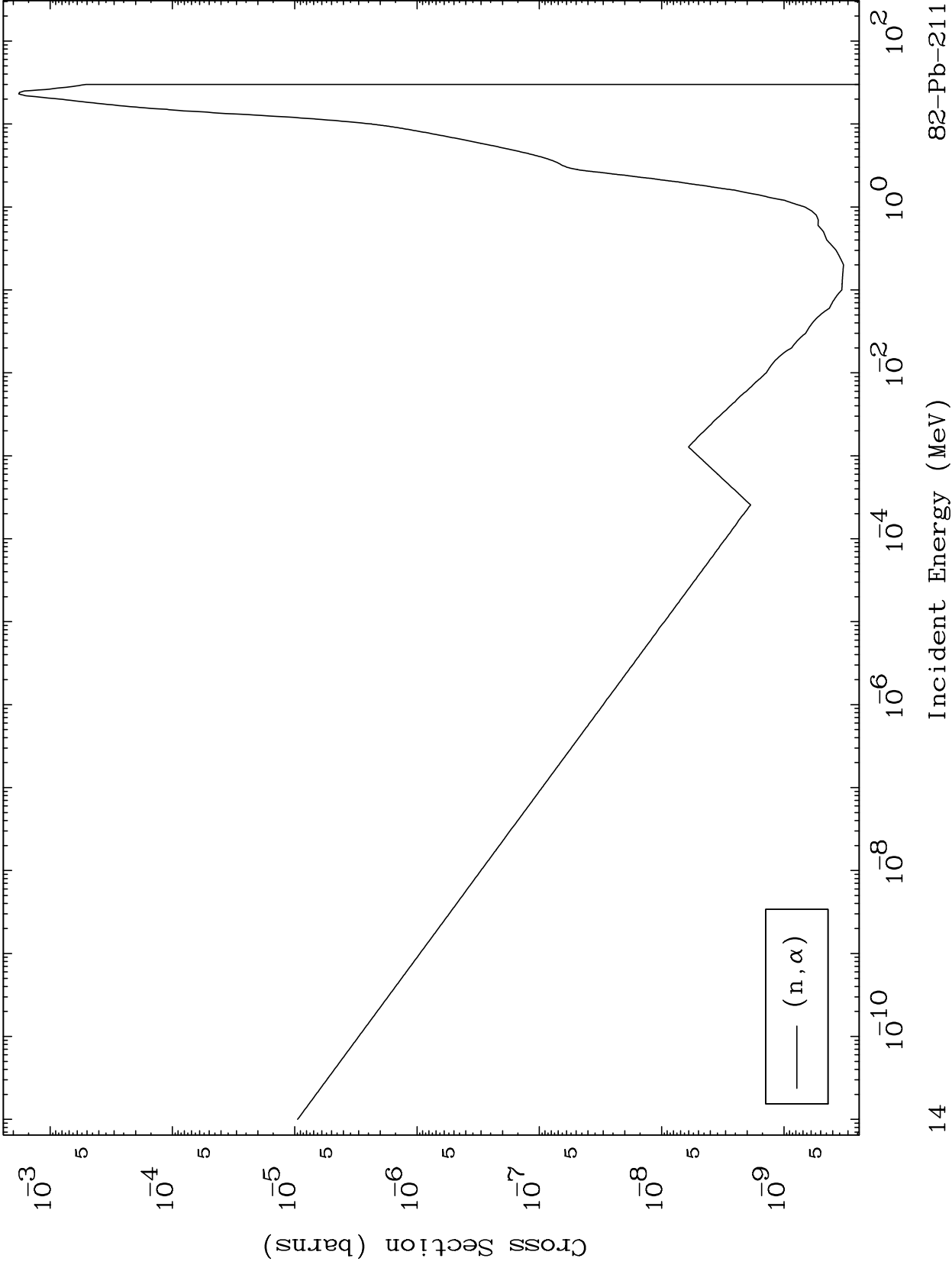
Incident Energy (MeV)

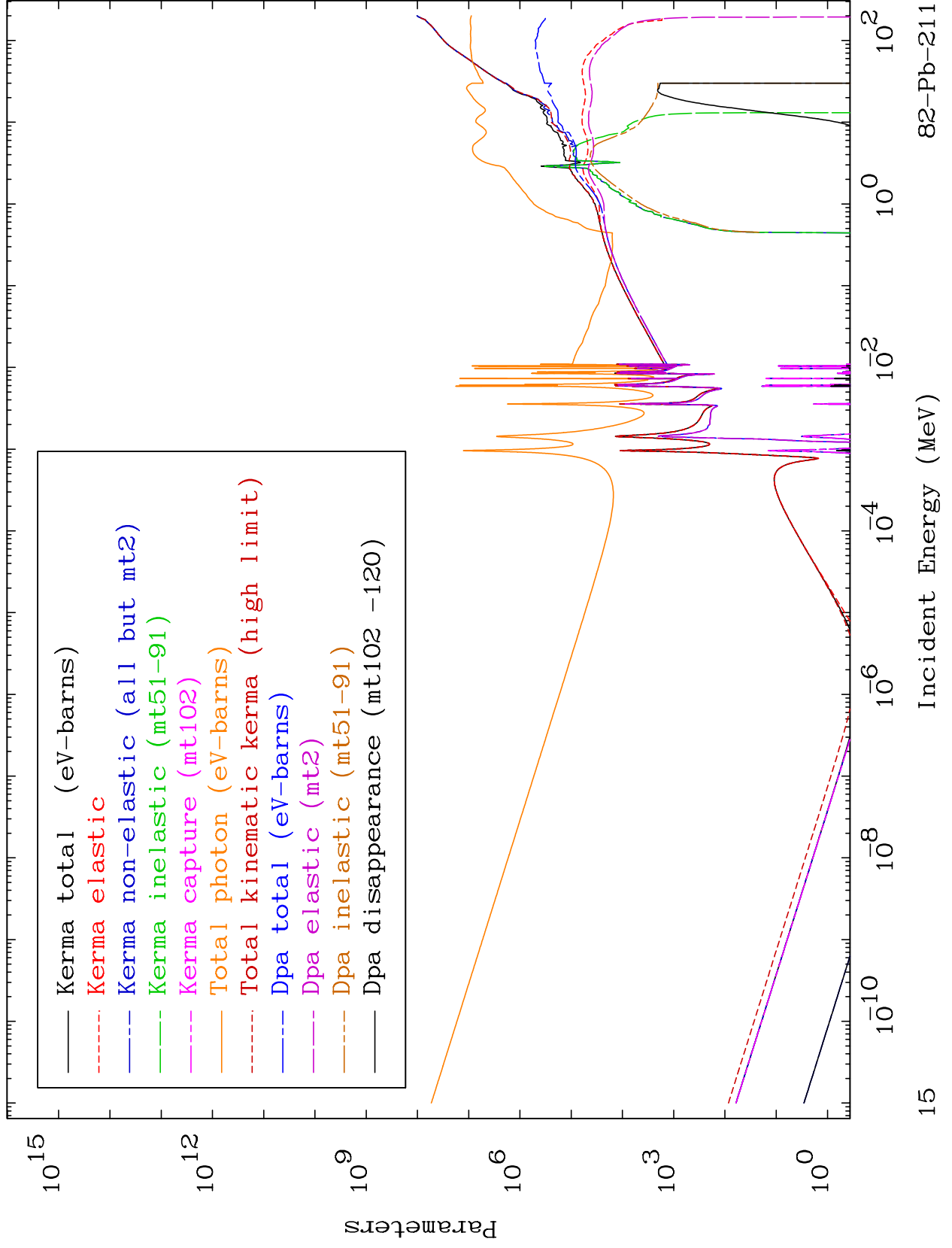
82-Pb-211

MAT 8246

(n,α) Levels  
293 Kelvin Cross Sections

82-Pb-211



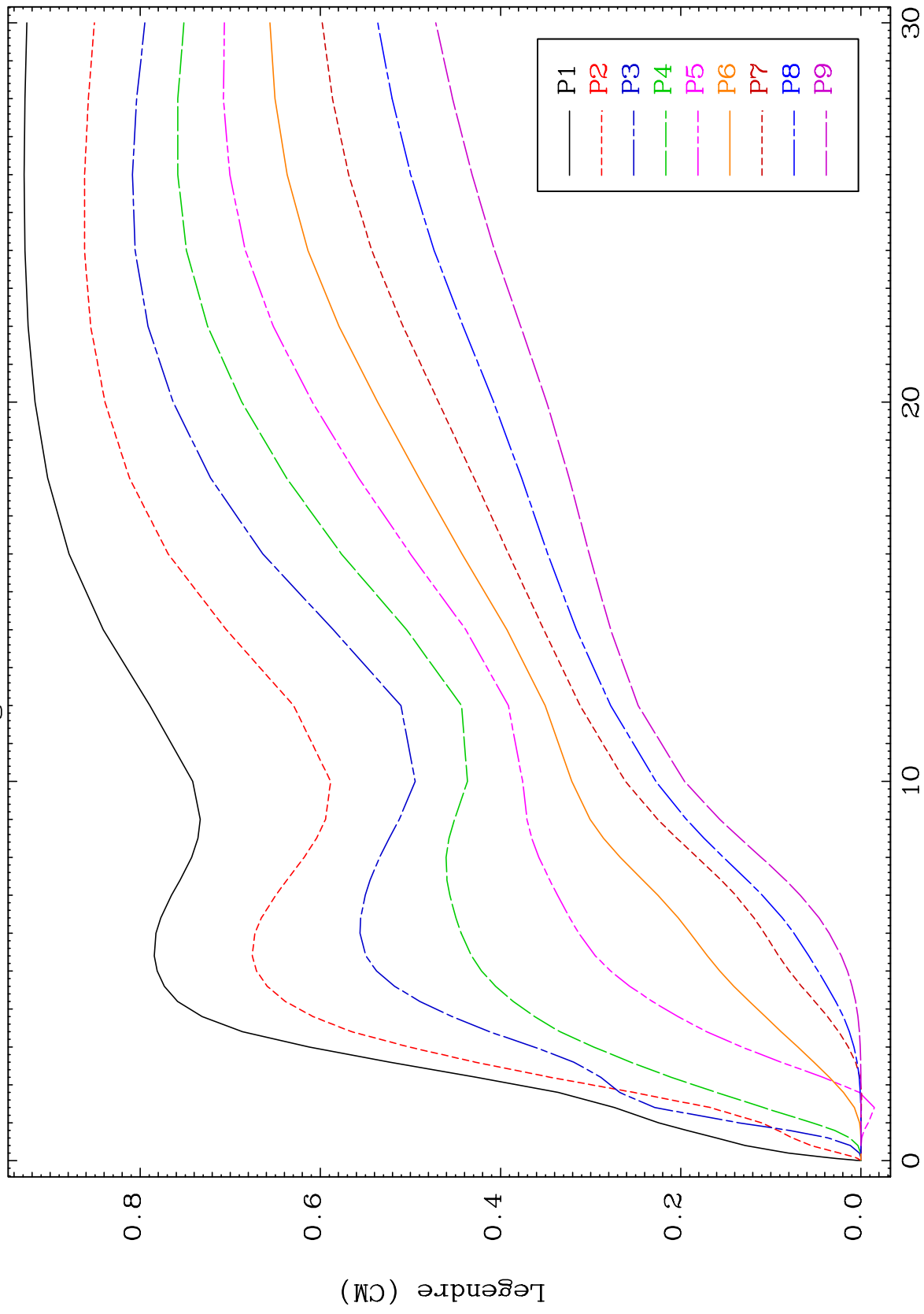




MAT 8246

Elastic Legendre Coefficients

82-Pb-211



16

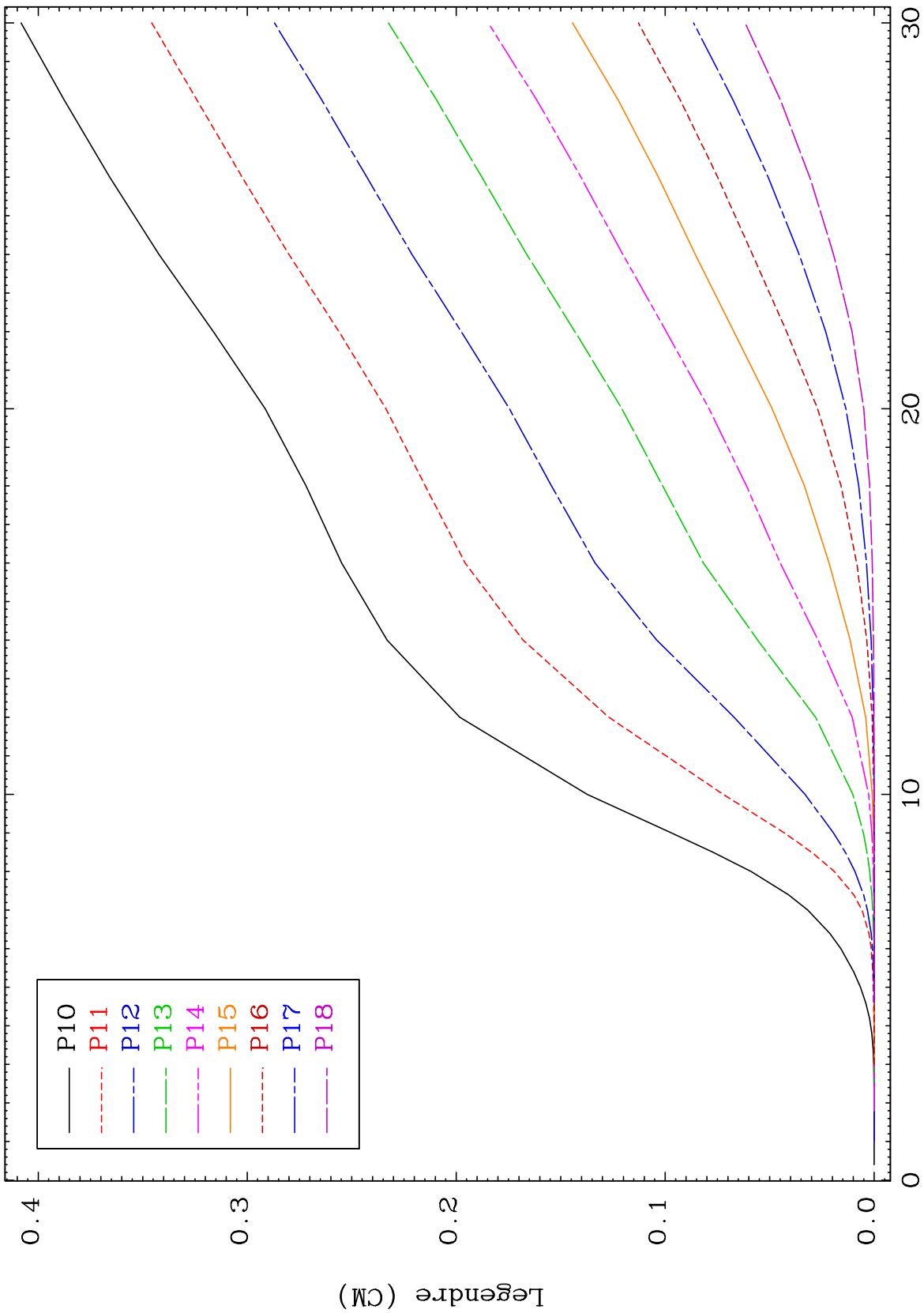
Incident Energy (MeV)

82-Pb-211

MAT 8246

Elastic Legendre Coefficients

82-Pb-211



17

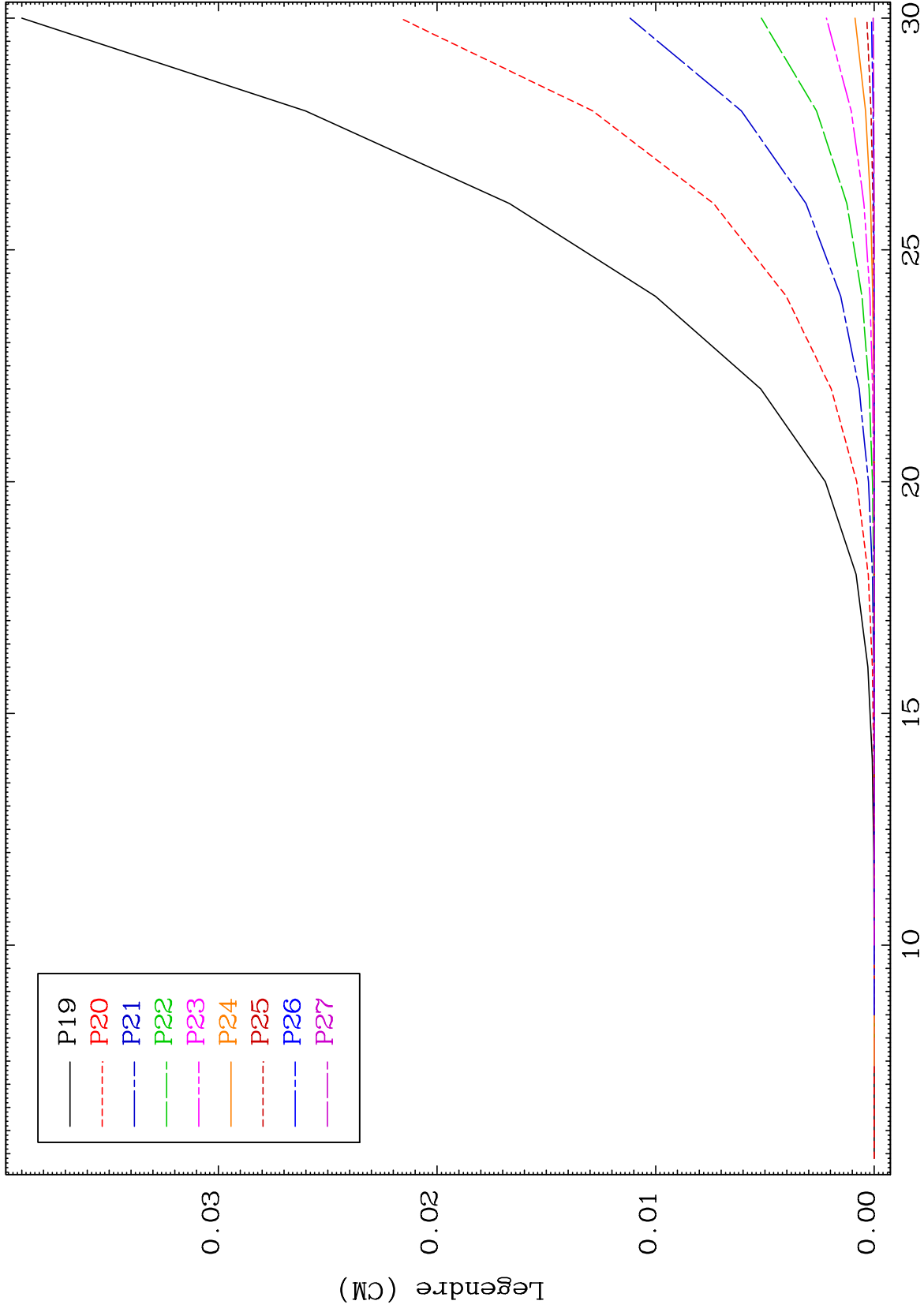
Incident Energy (MeV)

82-Pb-211

MAT 8246

Elastic  
Legendre Coefficients

82-Pb-211



18

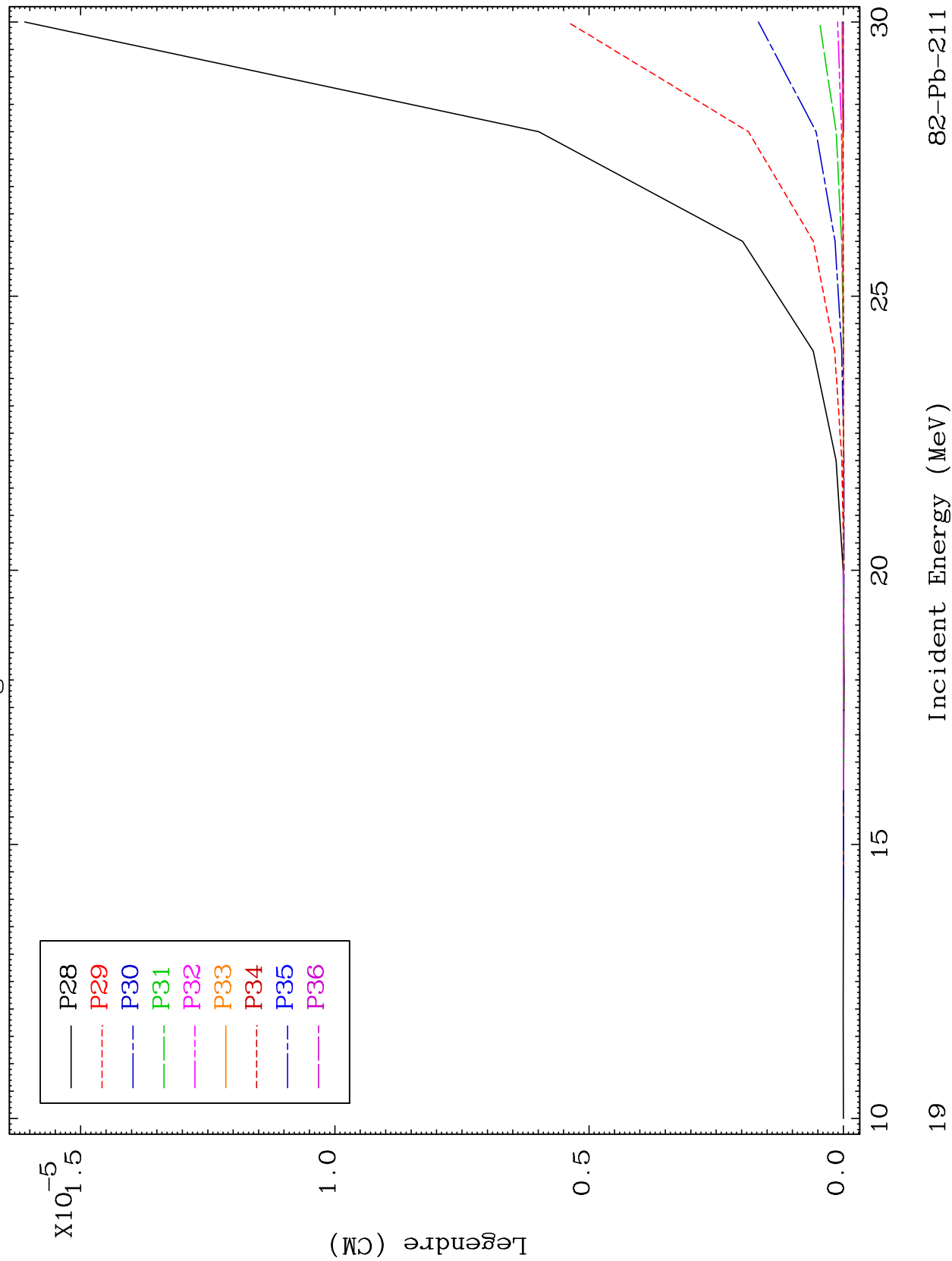
Incident Energy (MeV)

82-Pb-211

MAT 8246

Elastic  
Legendre Coefficients

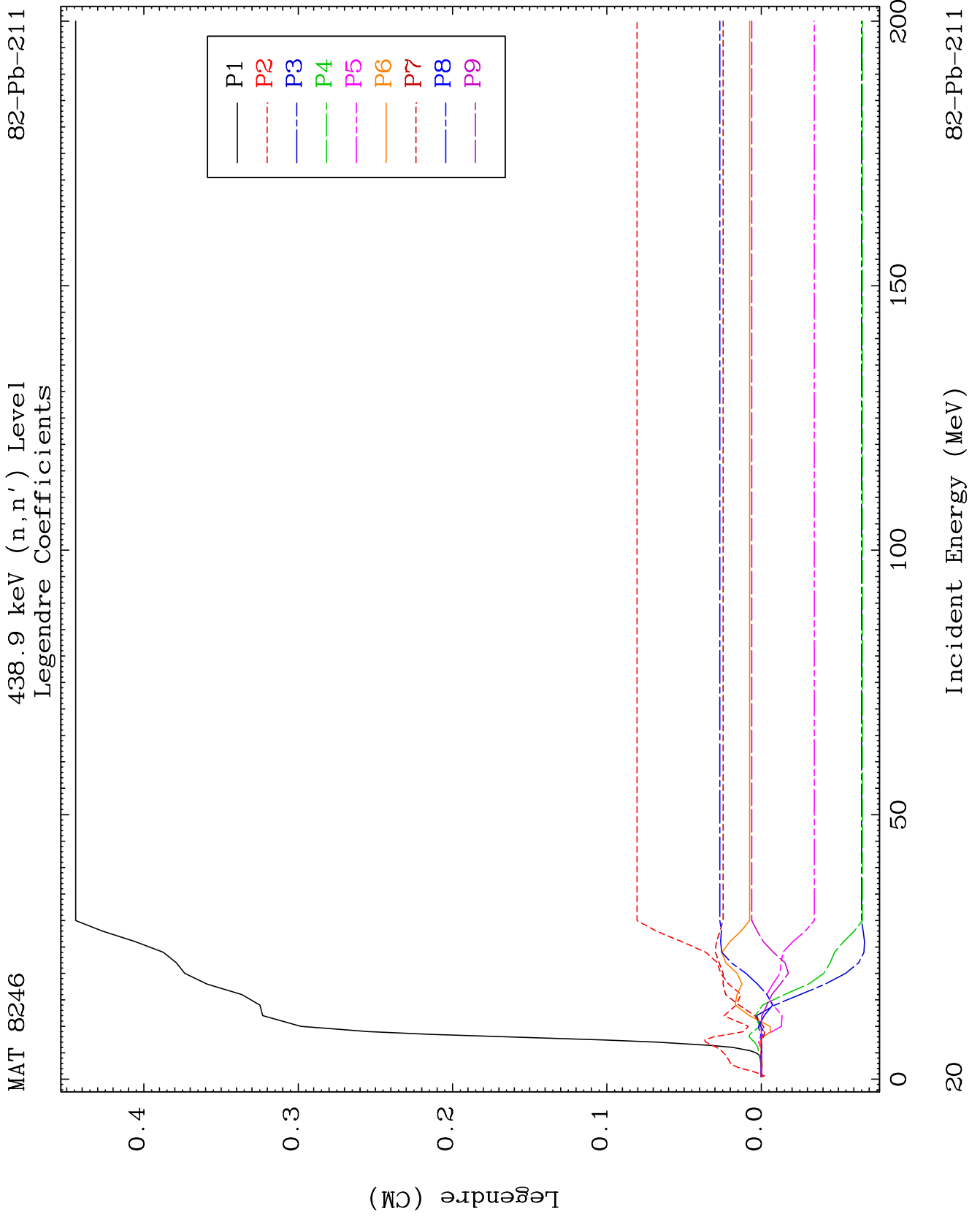
82-Pb-211



19

Incident Energy (MeV)

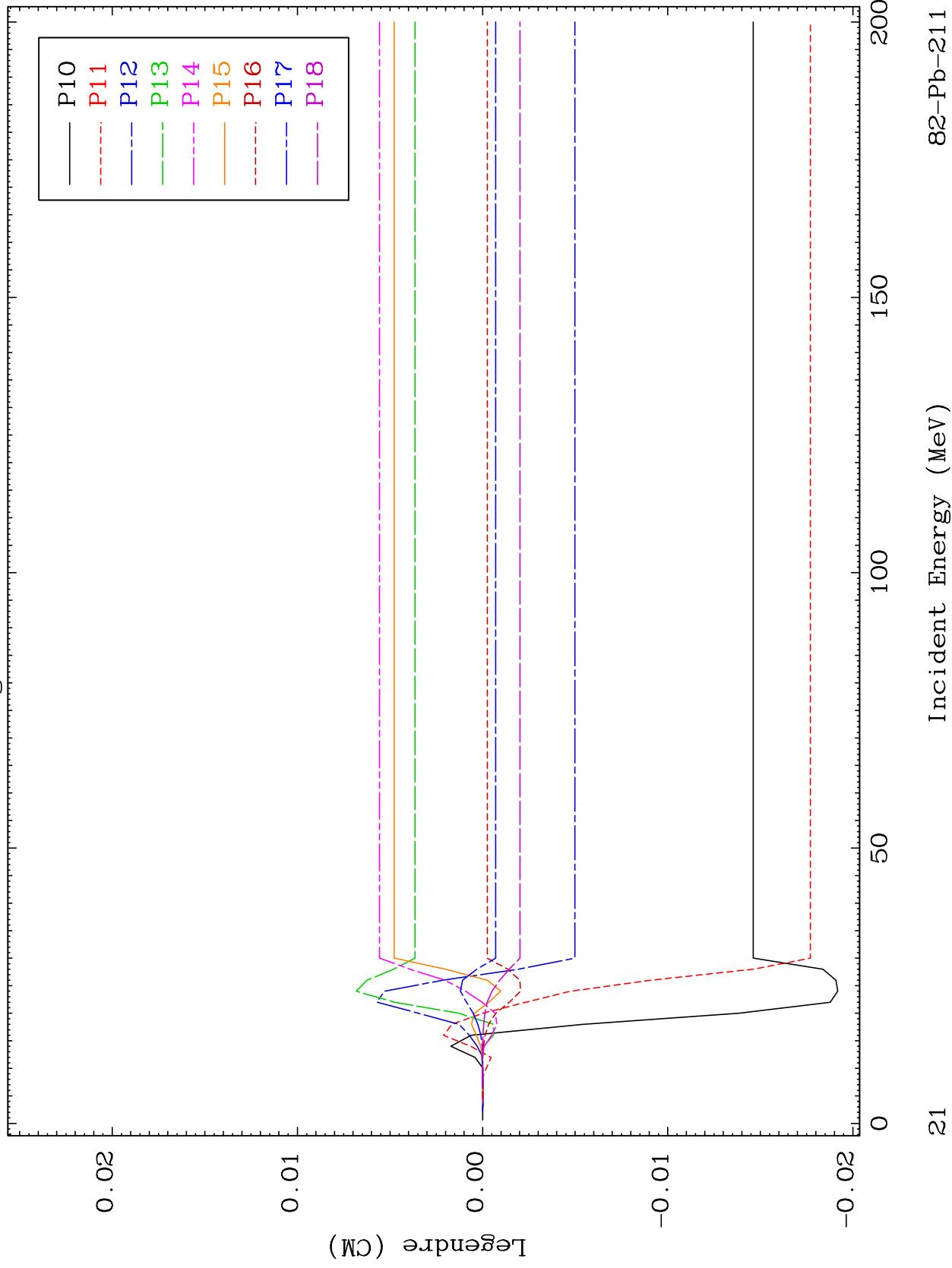
82-Pb-211



MAT 8246

438.9 keV (n,n') Level  
Legendre Coefficients

82-Pb-211



21

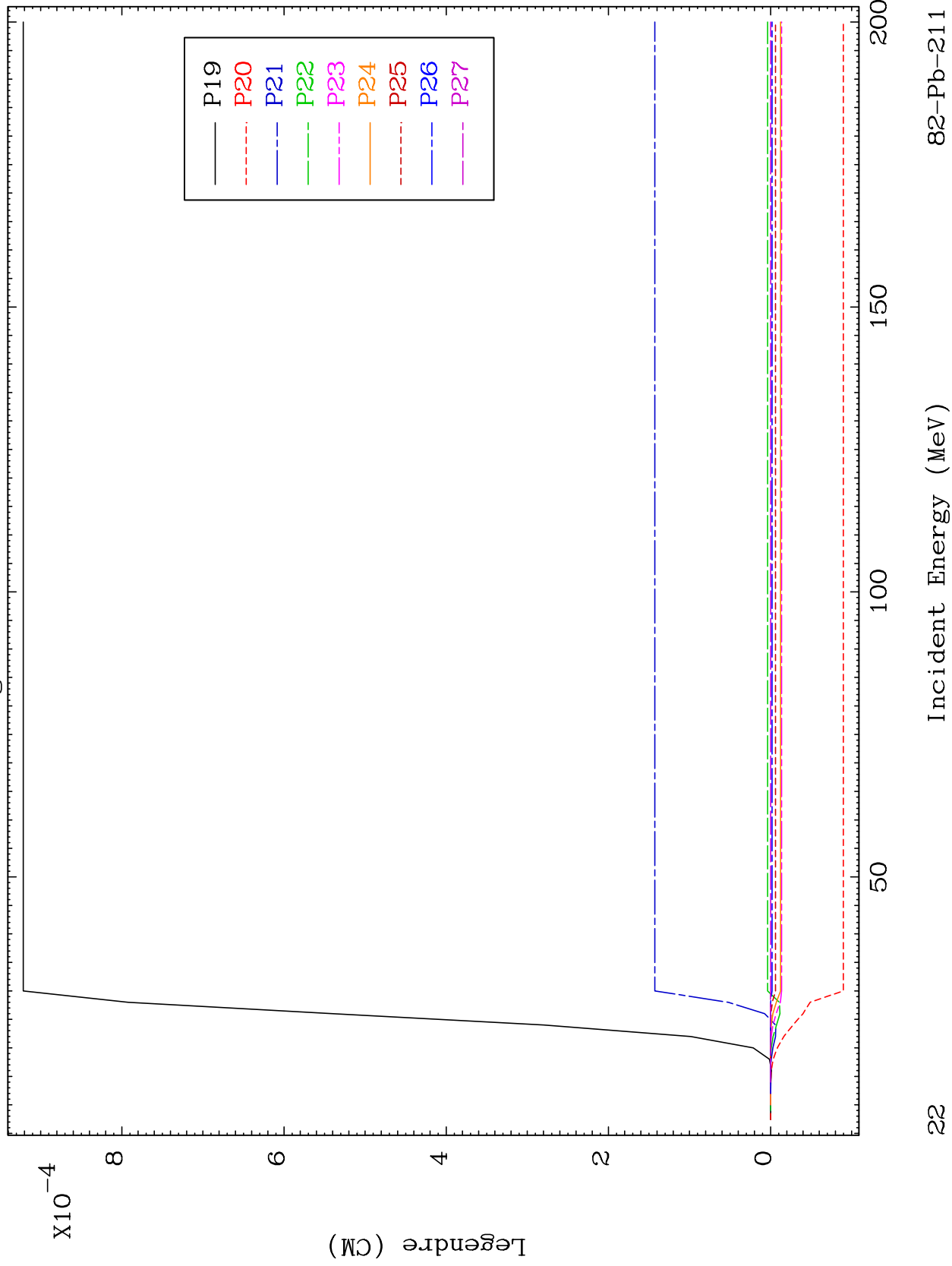
Incident Energy (MeV)

82-Pb-211

MAT 8246

438.9 keV (n,n') Level  
Legendre Coefficients

82-Pb-211



22

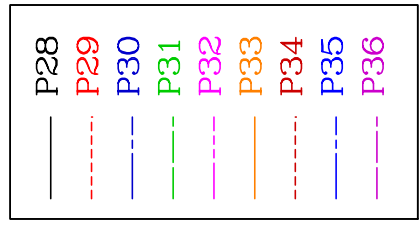
Incident Energy (MeV)

82-Pb-211

MAT 8246

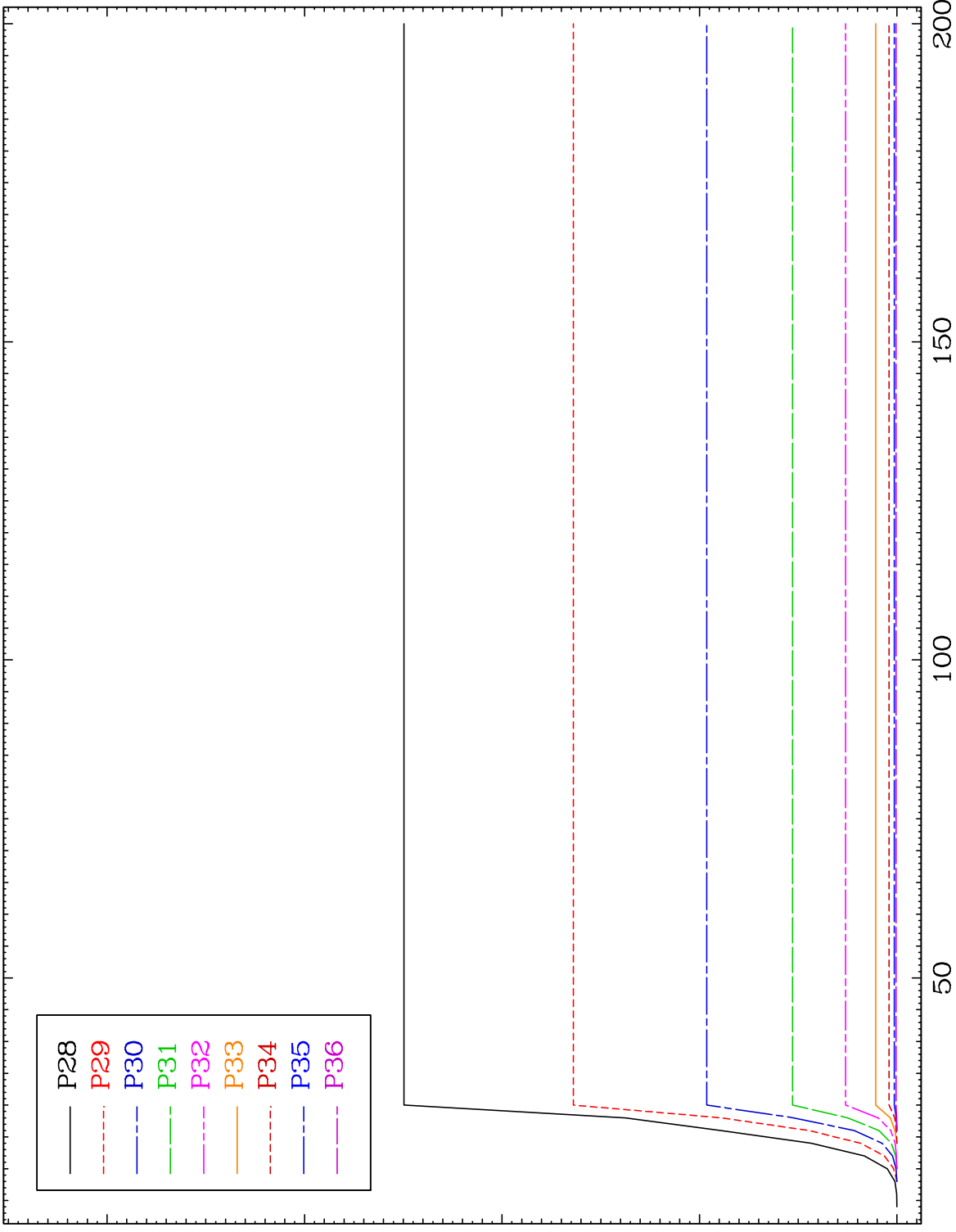
438.9 keV (n,n') Level  
Legendre Coefficients

82-Pb-211



$\times 10^{-7}$

Legendre (CM)



23

Incident Energy (MeV)

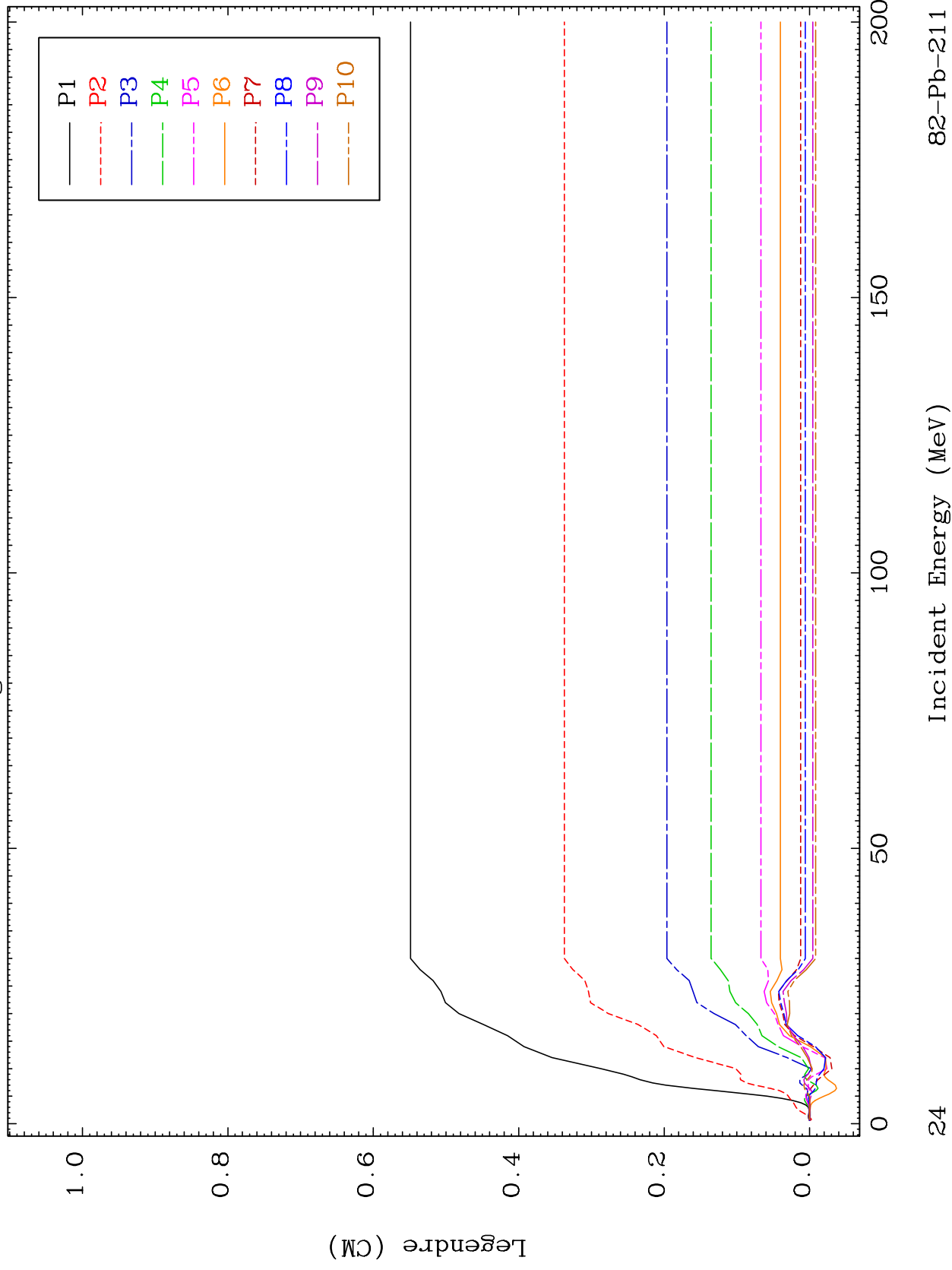
82-Pb-211



MAT 8246

584.0 keV (n,n') Level  
Legendre Coefficients

82-Pb-211



24

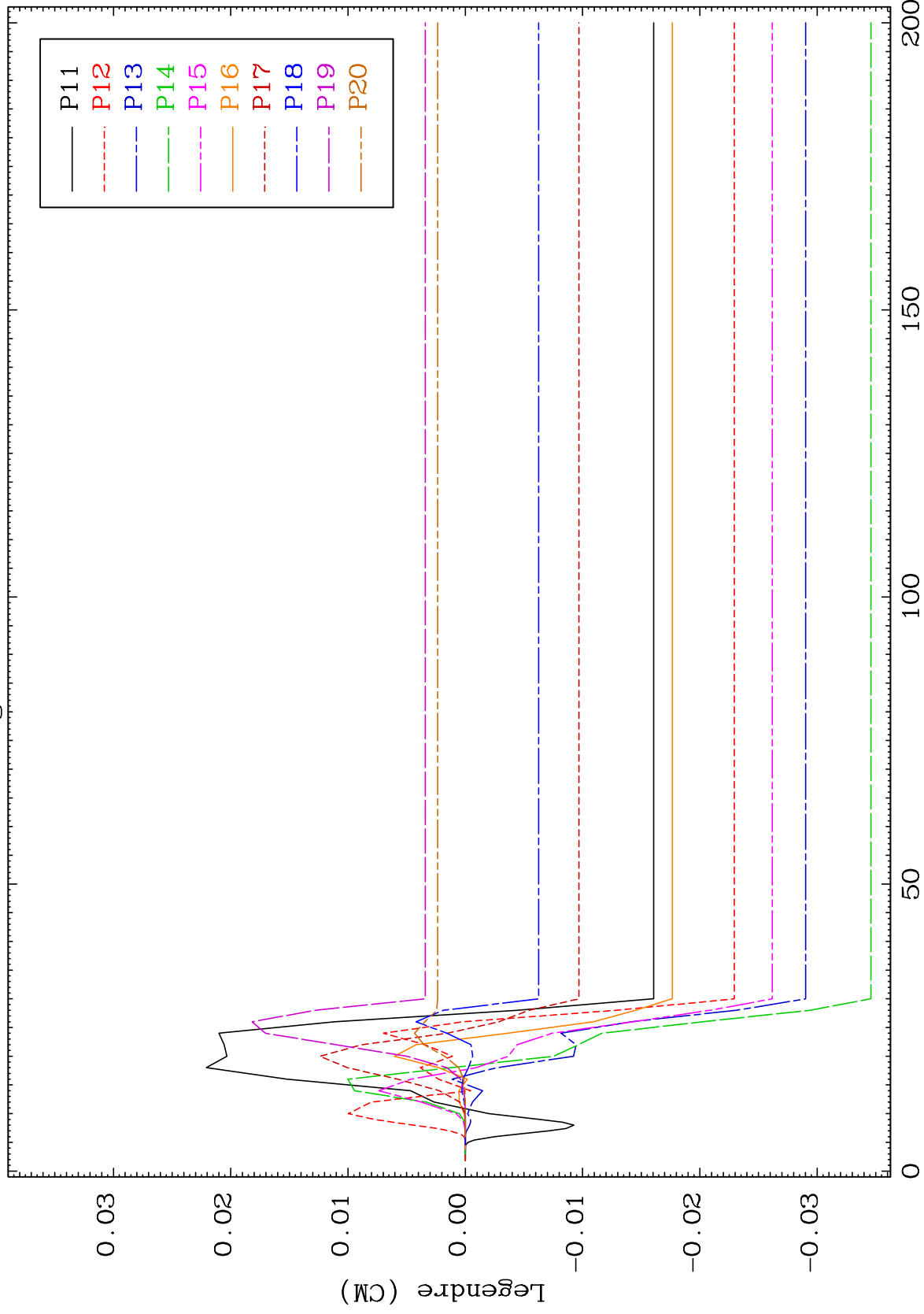
Incident Energy (MeV)

82-Pb-211

MAT 8246

584.0 keV (n,n') Level  
Legendre Coefficients

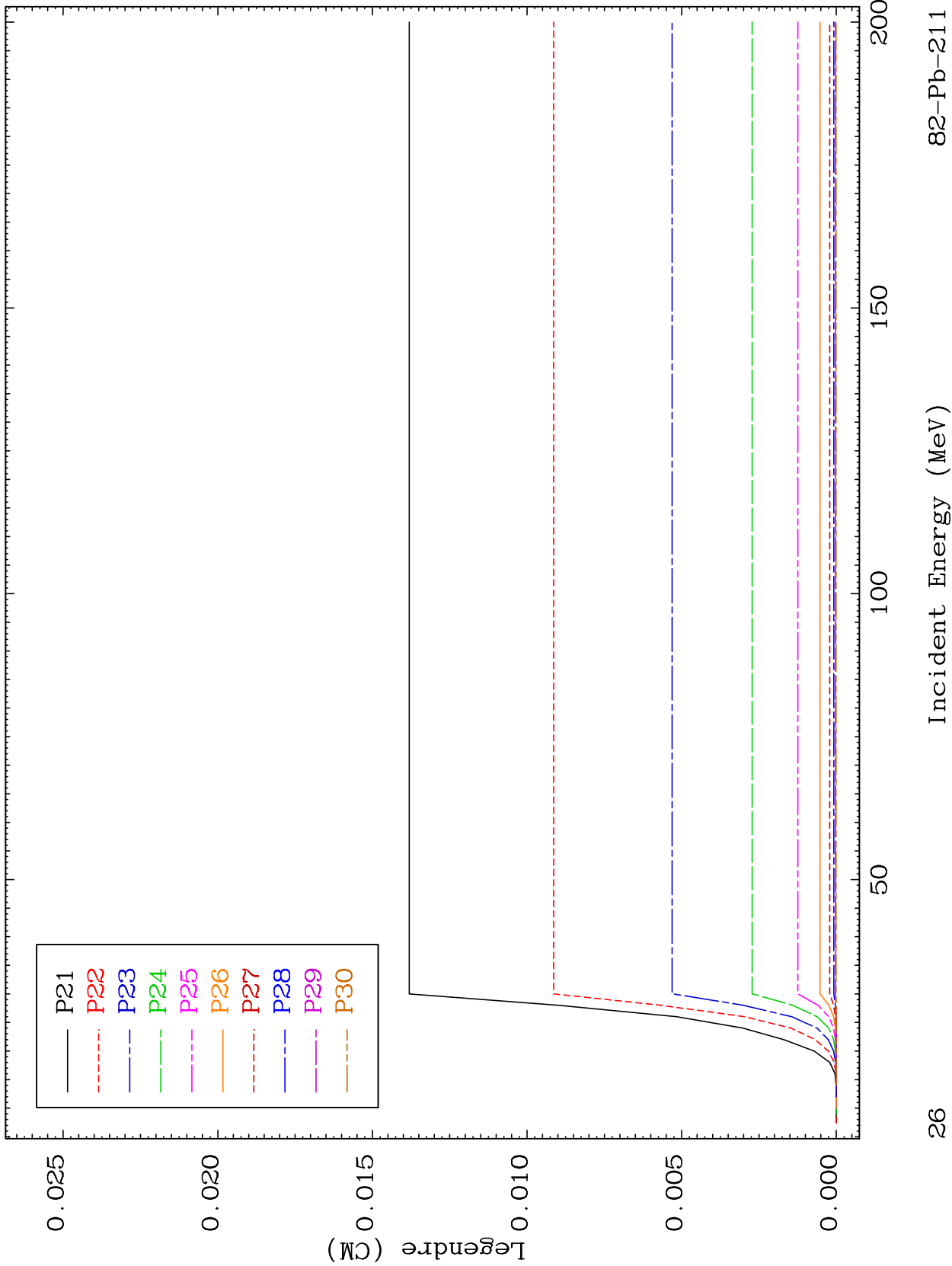
82-Pb-211



25

Incident Energy (MeV)

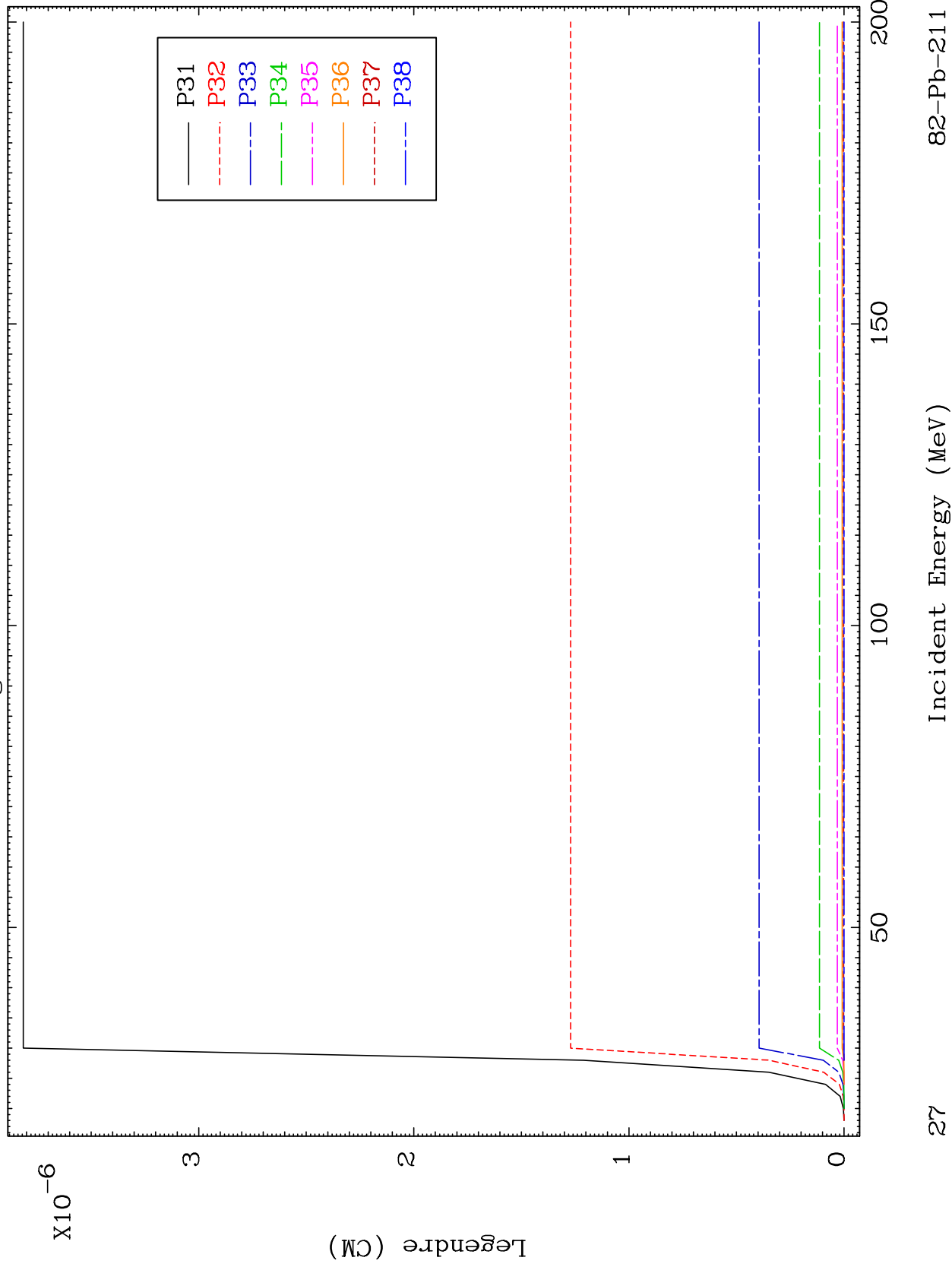
82-Pb-211



MAT 8246

584.0 keV (n, n') Level  
Legendre Coefficients

82-Pb-211



27

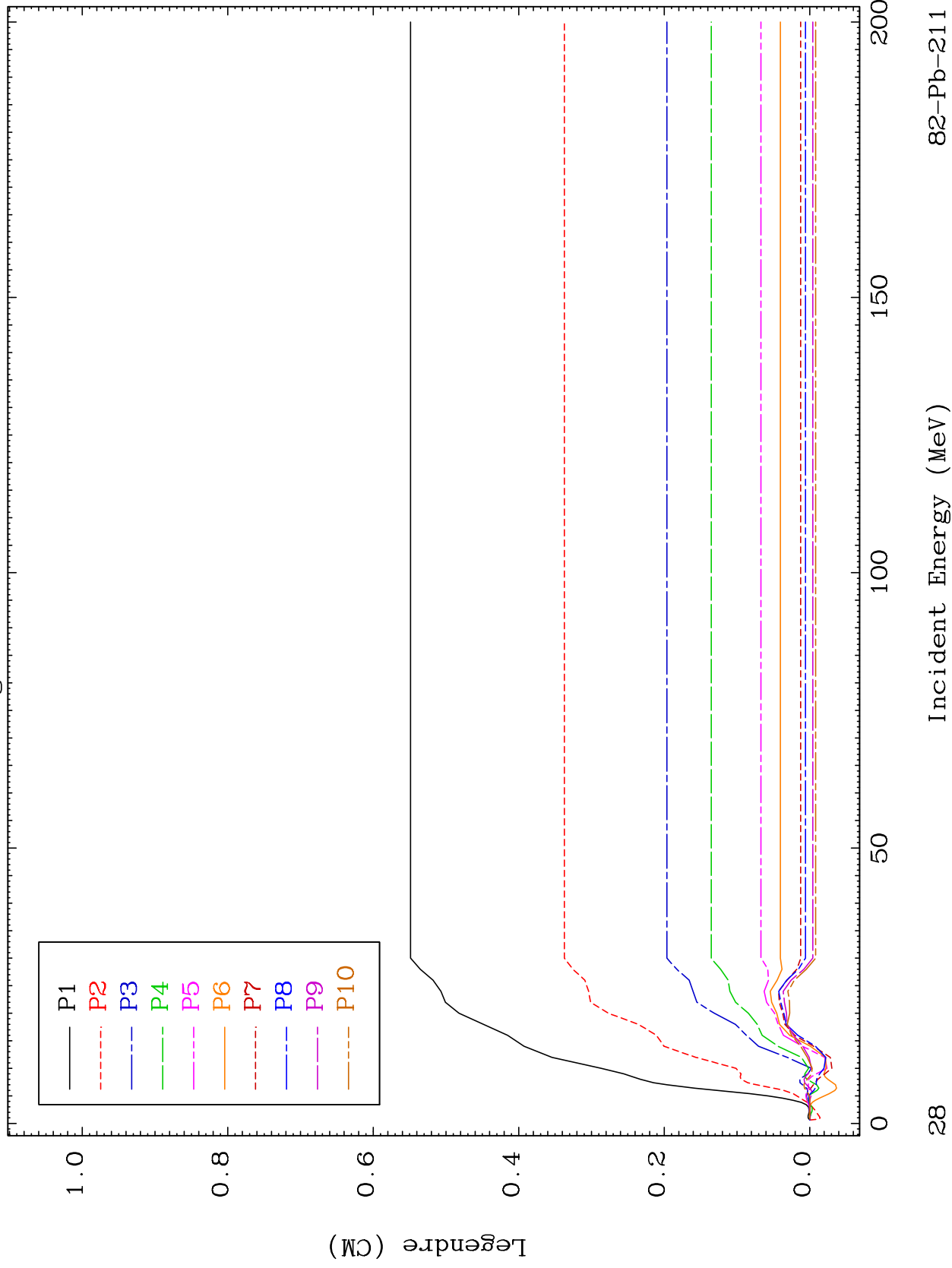
Incident Energy (MeV)

82-Pb-211

MAT 8246

598.0 keV (n,n') Level  
Legendre Coefficients

82-Pb-211



82-Pb-211

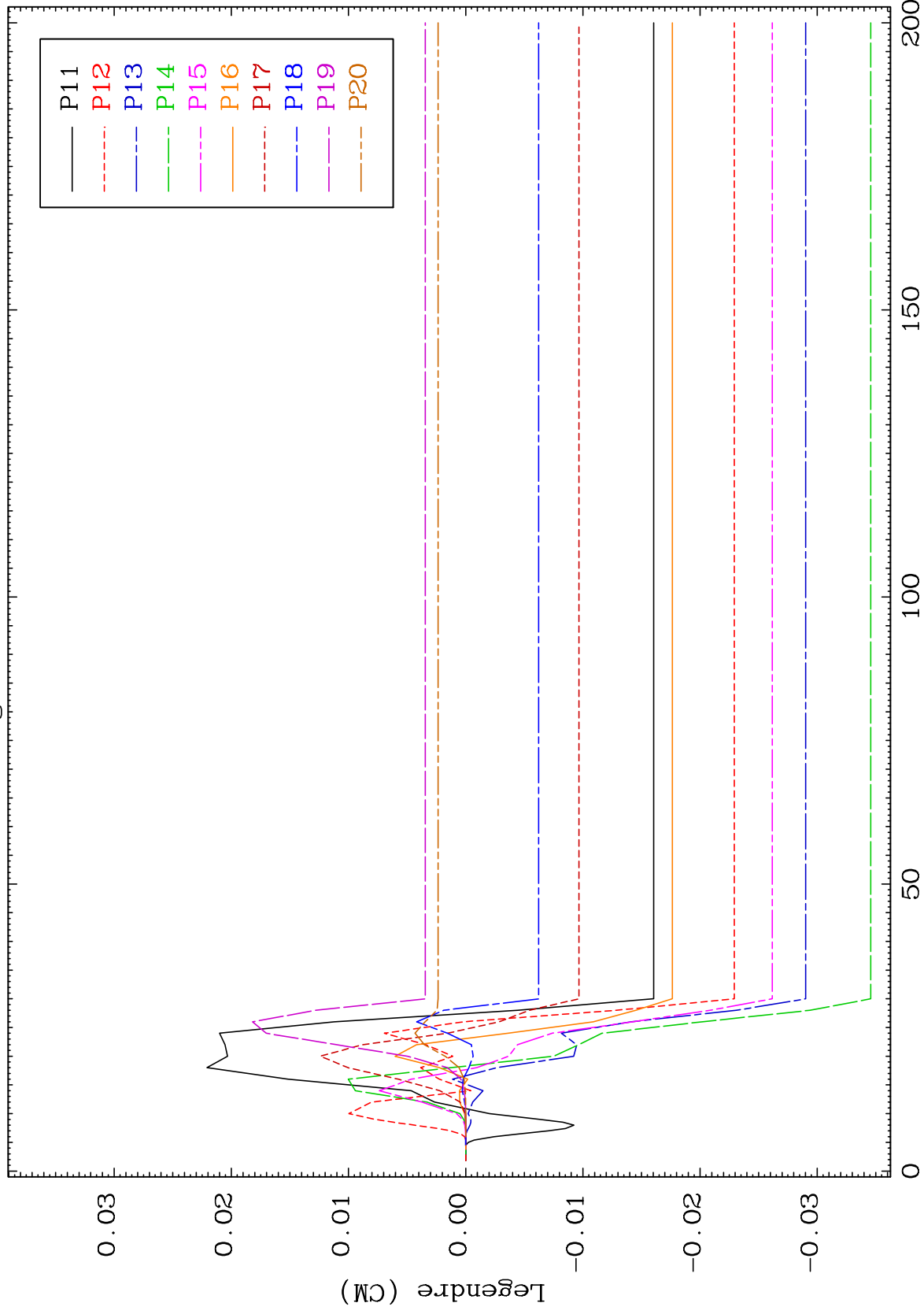
Incident Energy (MeV)

28

MAT 8246

598.0 keV (n,n') Level  
Legendre Coefficients

82-Pb-211



29

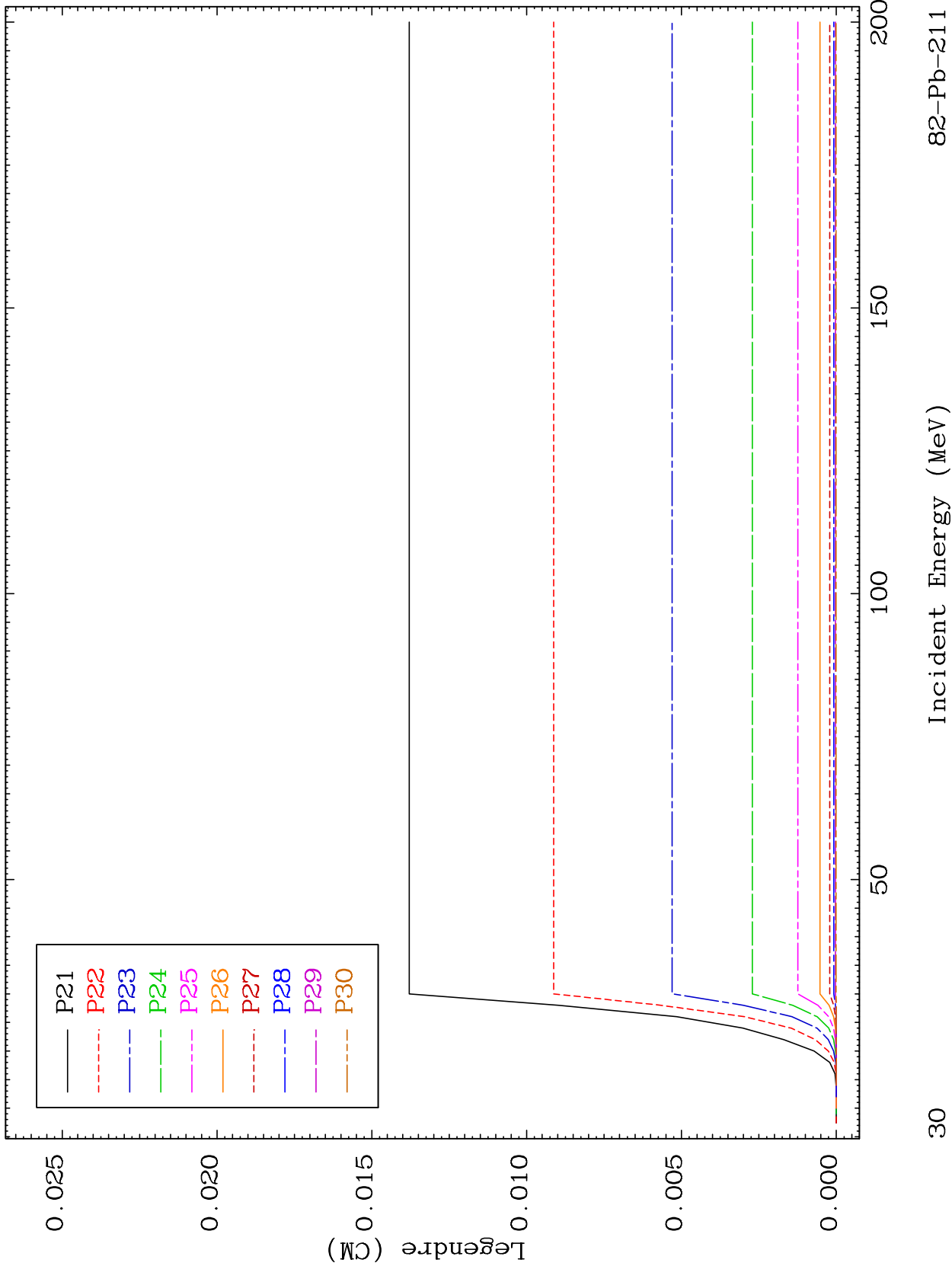
Incident Energy (MeV)

82-Pb-211

MAT 8246

598.0 keV (n,n') Level  
Legendre Coefficients

82-Pb-211



30

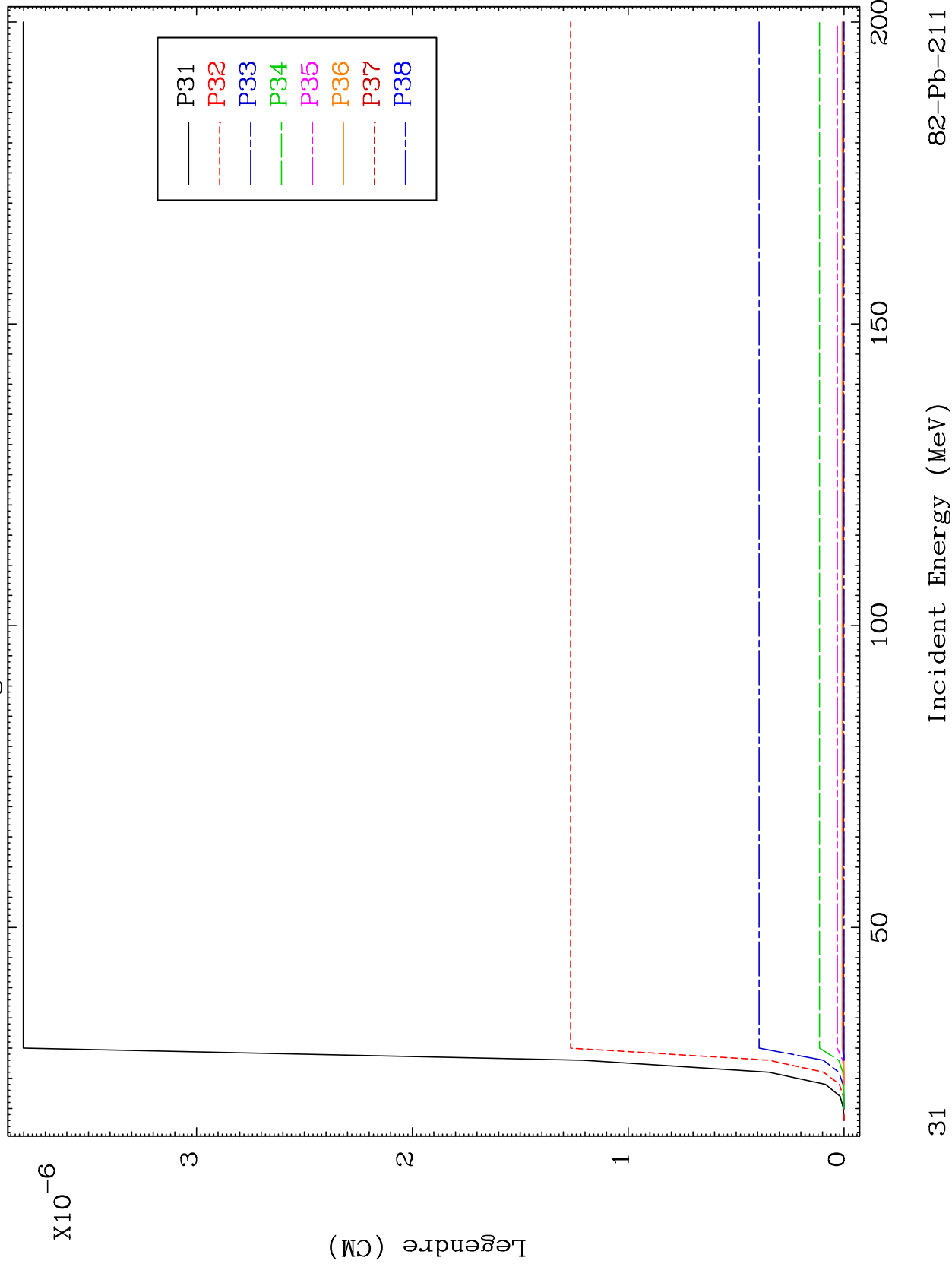
Incident Energy (MeV)

82-Pb-211

MAT 8246

598.0 keV (n,n') Level  
Legendre Coefficients

82-Pb-211

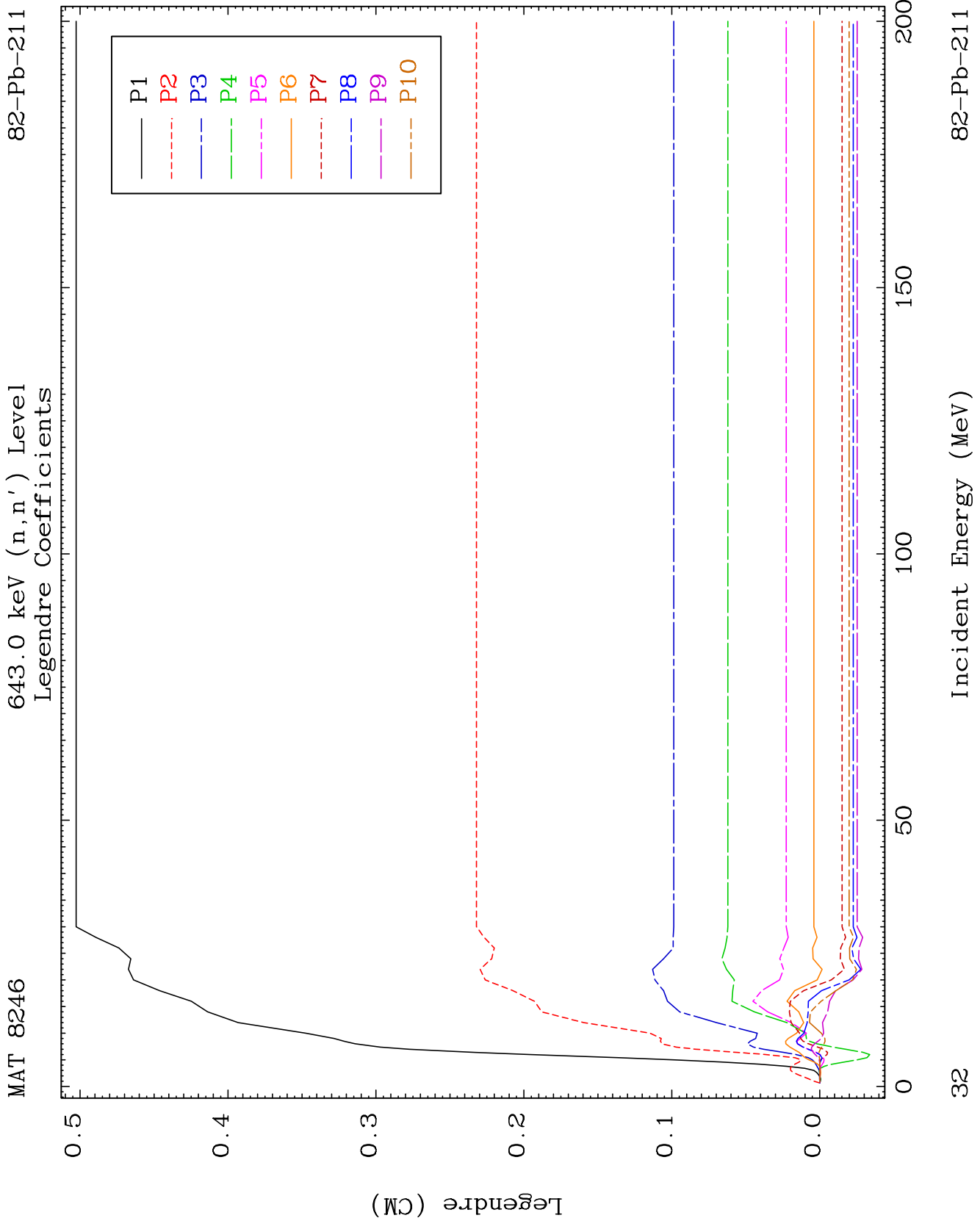


31

Incident Energy (MeV)

82-Pb-211

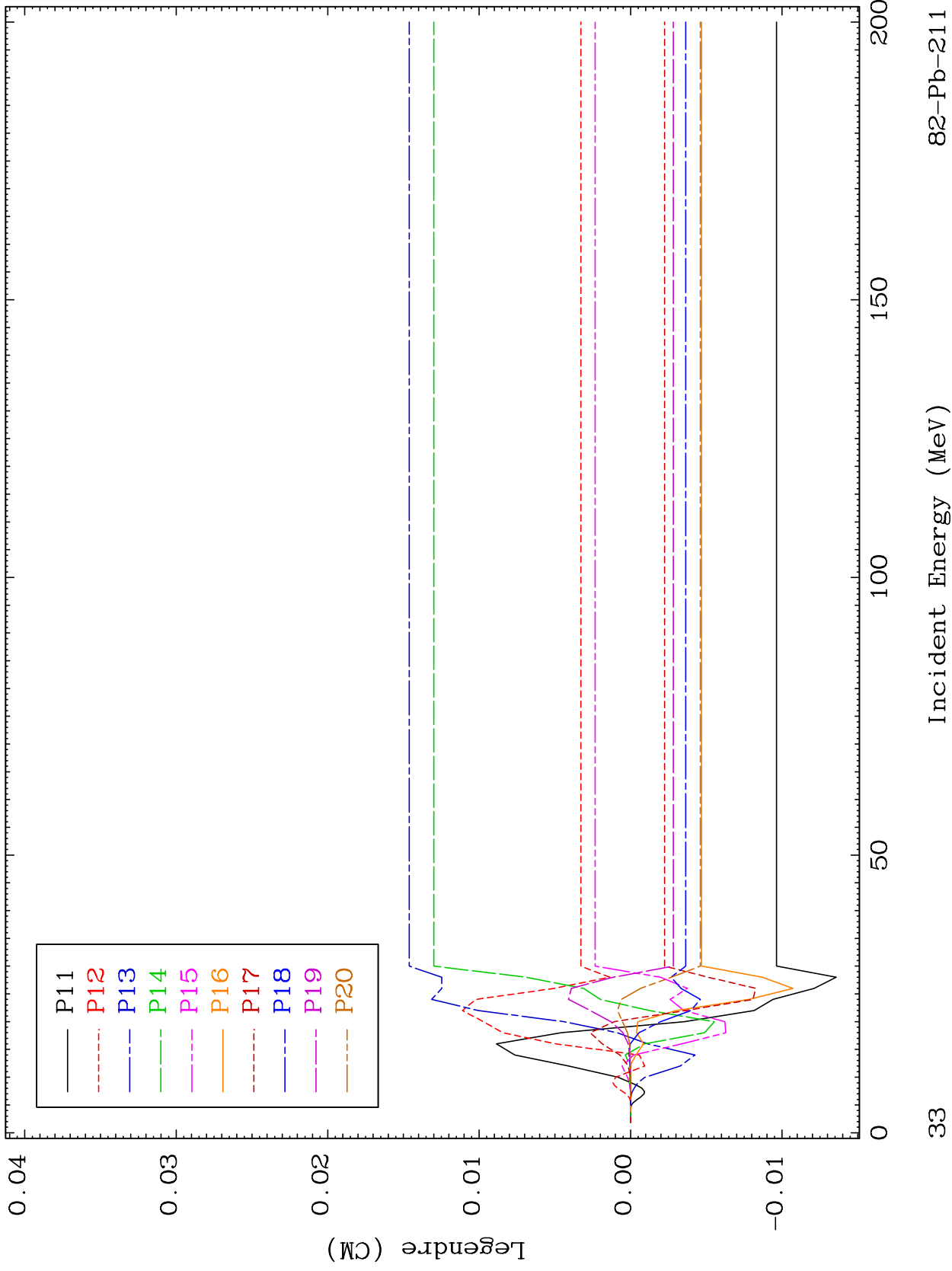




MAT 8246

643.0 keV (n,n') Level  
Legendre Coefficients

82-Pb-211



33

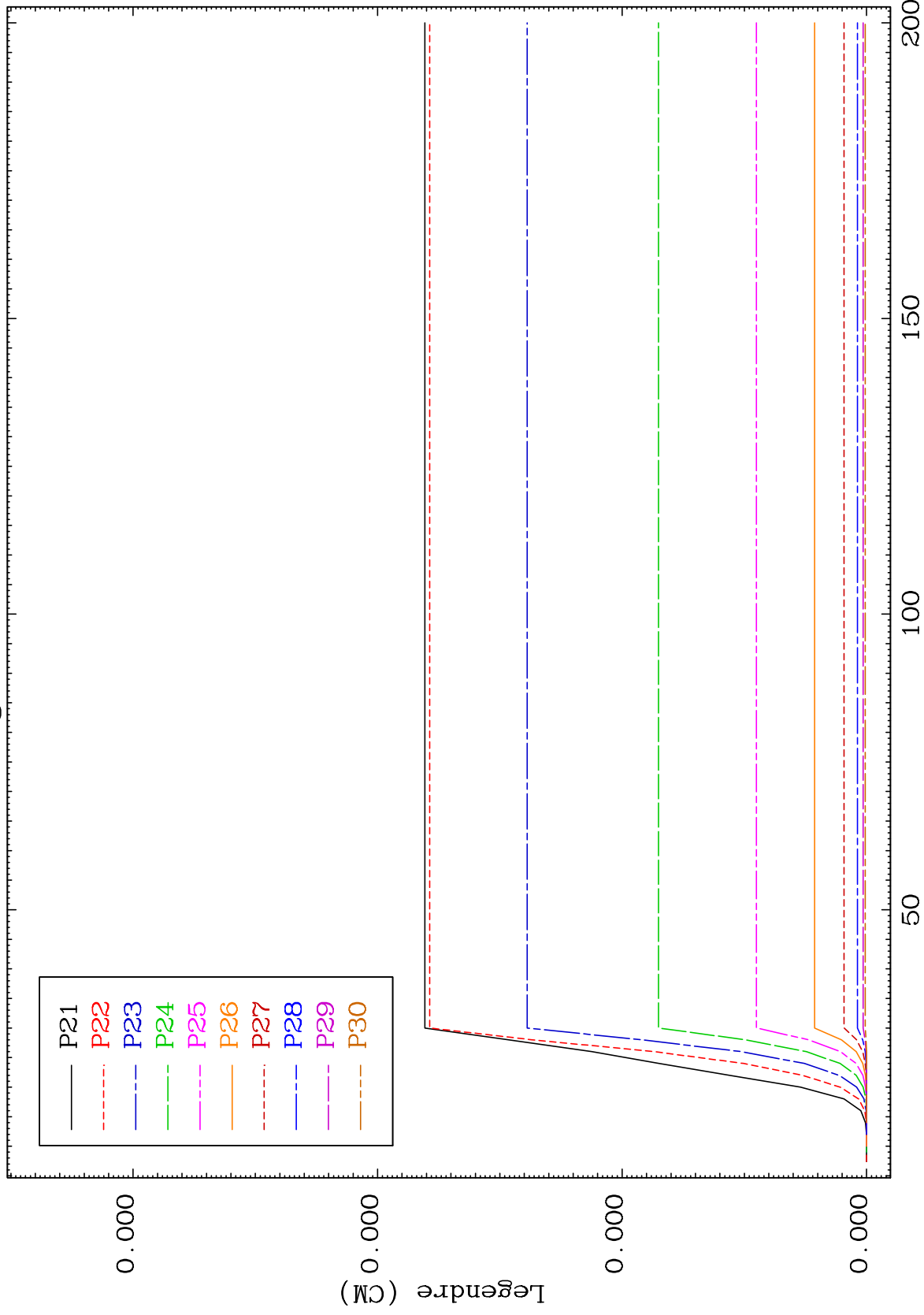
Incident Energy (MeV)

82-Pb-211

MAT 8246

643.0 keV (n,n') Level  
Legendre Coefficients

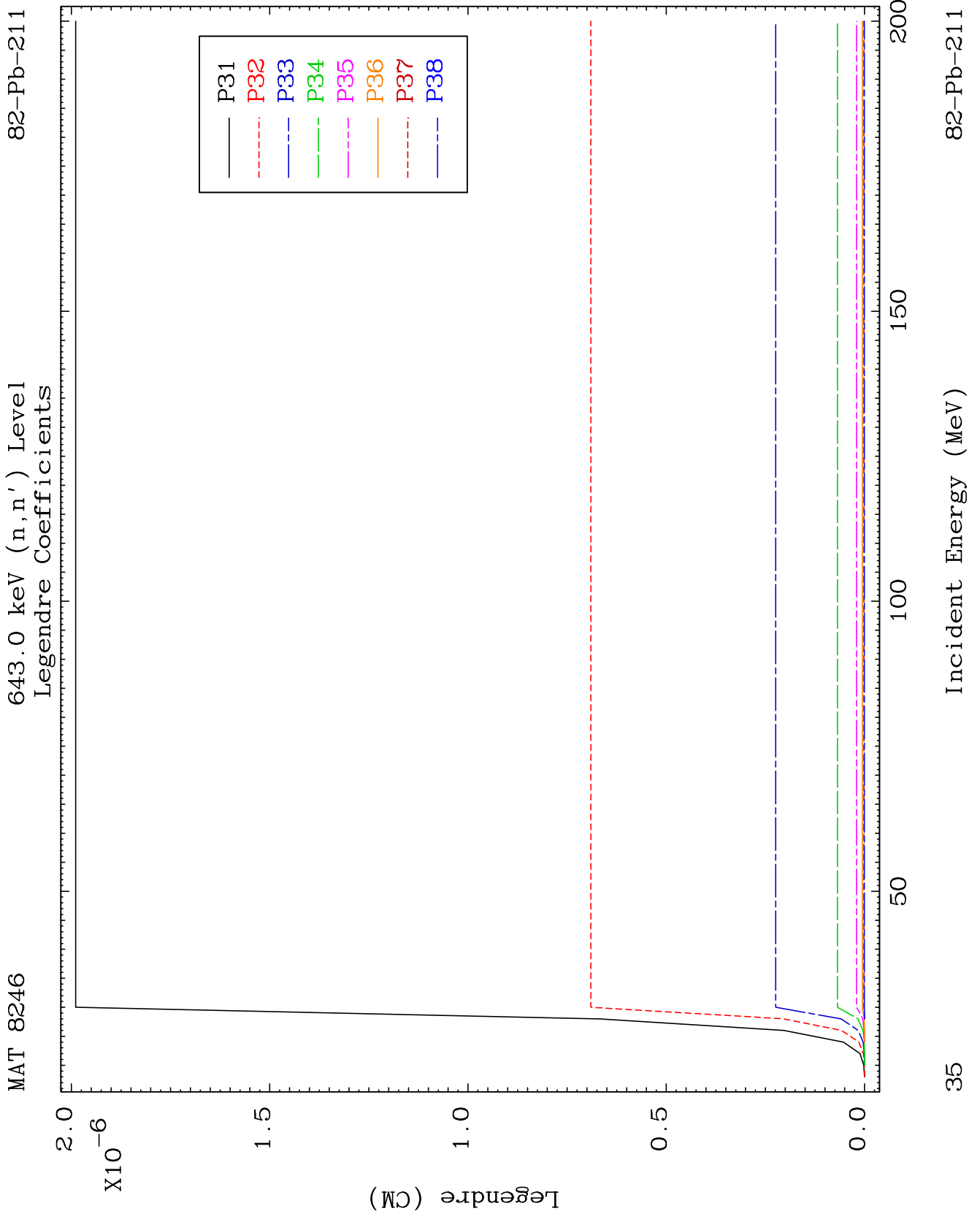
82-Pb-211



34

Incident Energy (MeV)

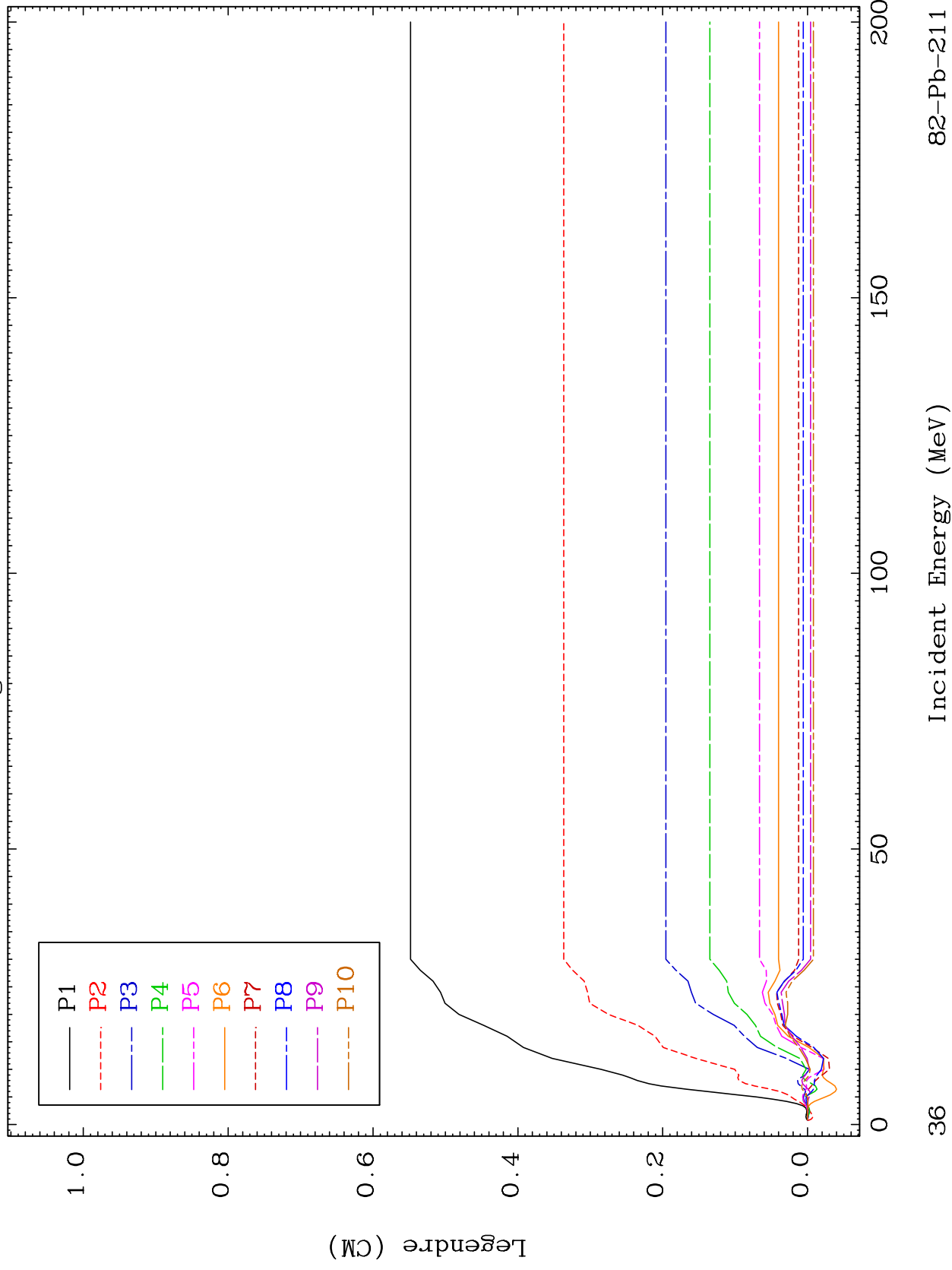
82-Pb-211



MAT 8246

733.0 keV (n,n') Level  
Legendre Coefficients

82-Pb-211



36

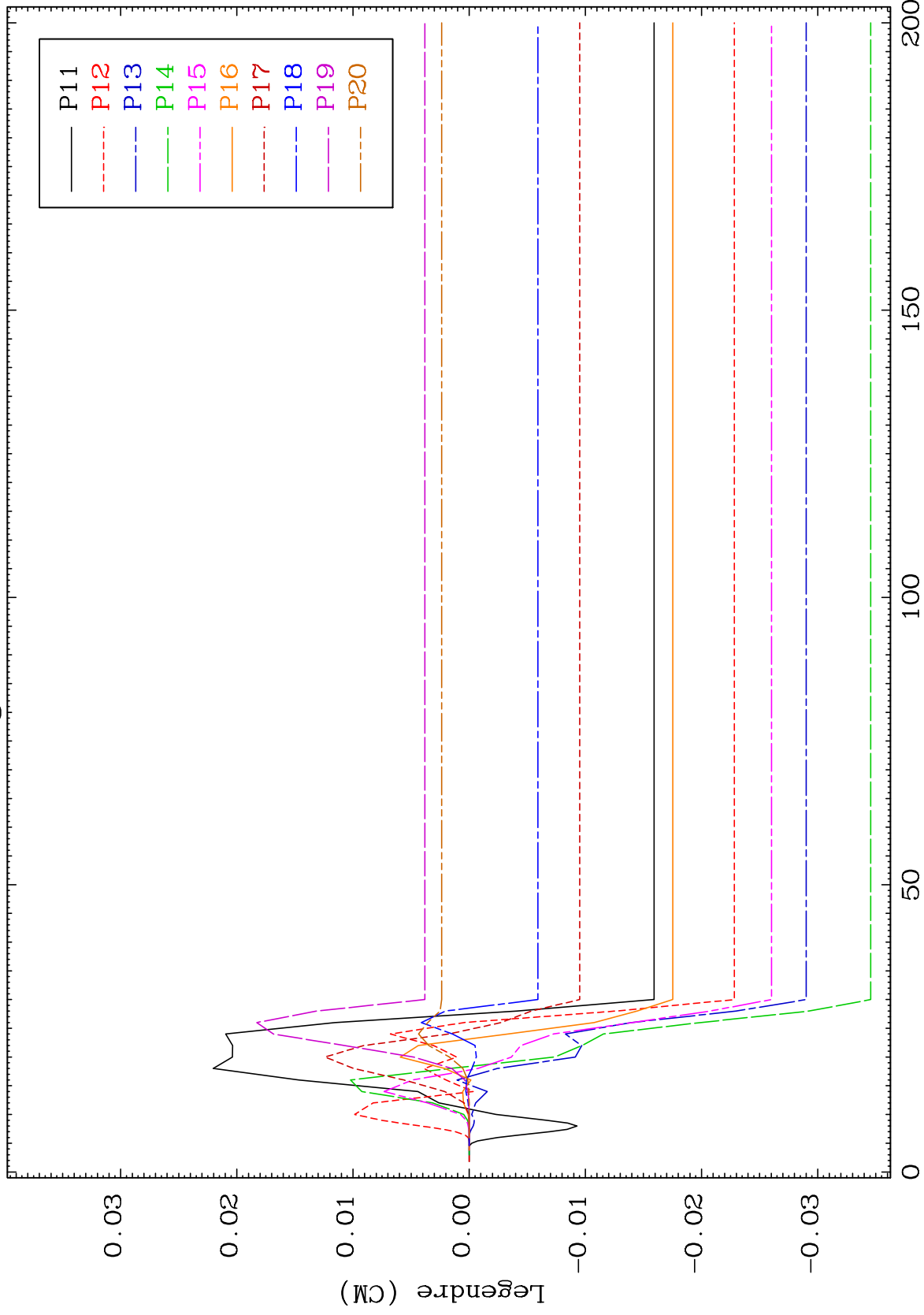
Incident Energy (MeV)

82-Pb-211

MAT 8246

733.0 keV (n,n') Level  
Legendre Coefficients

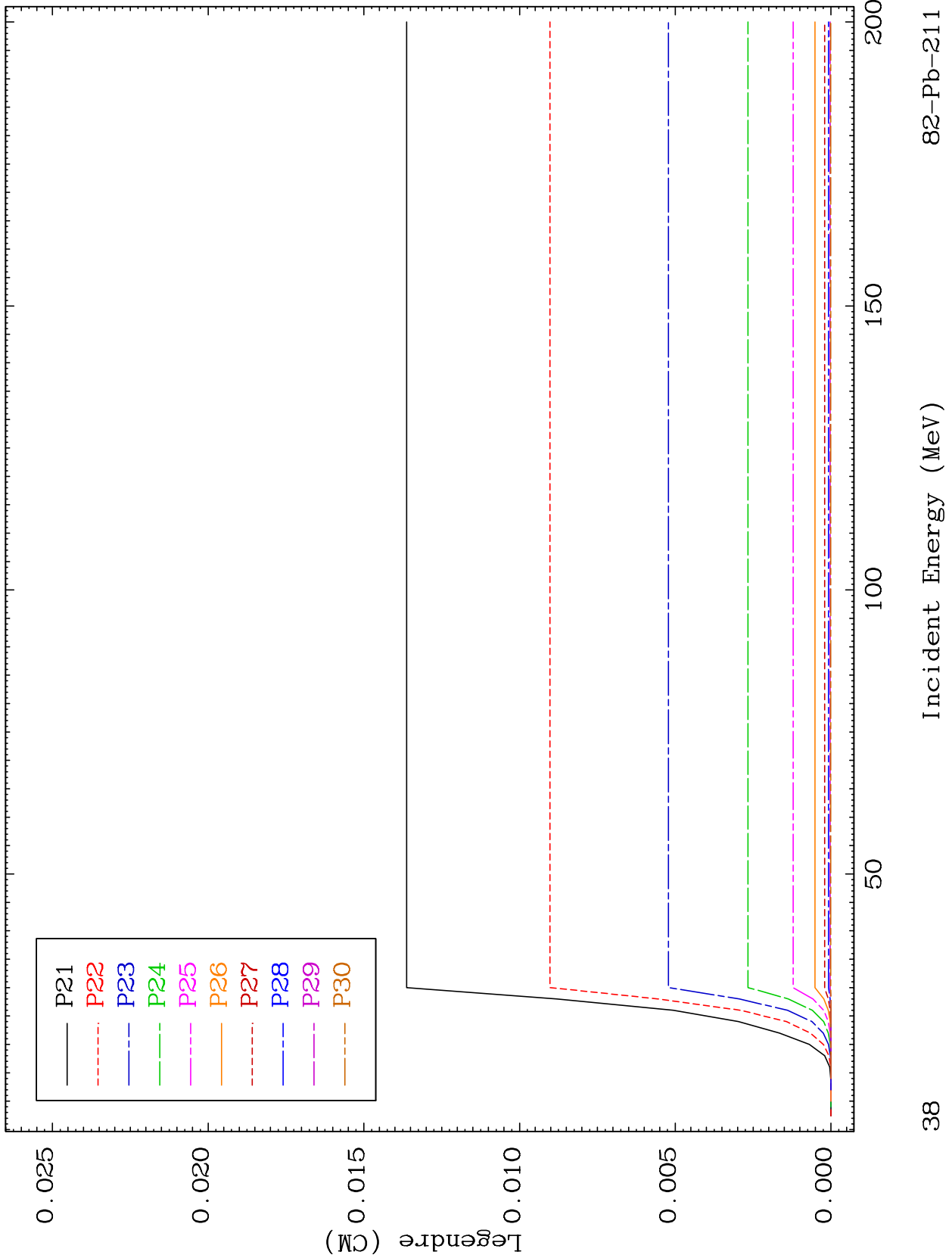
82-Pb-211



37

Incident Energy (MeV)

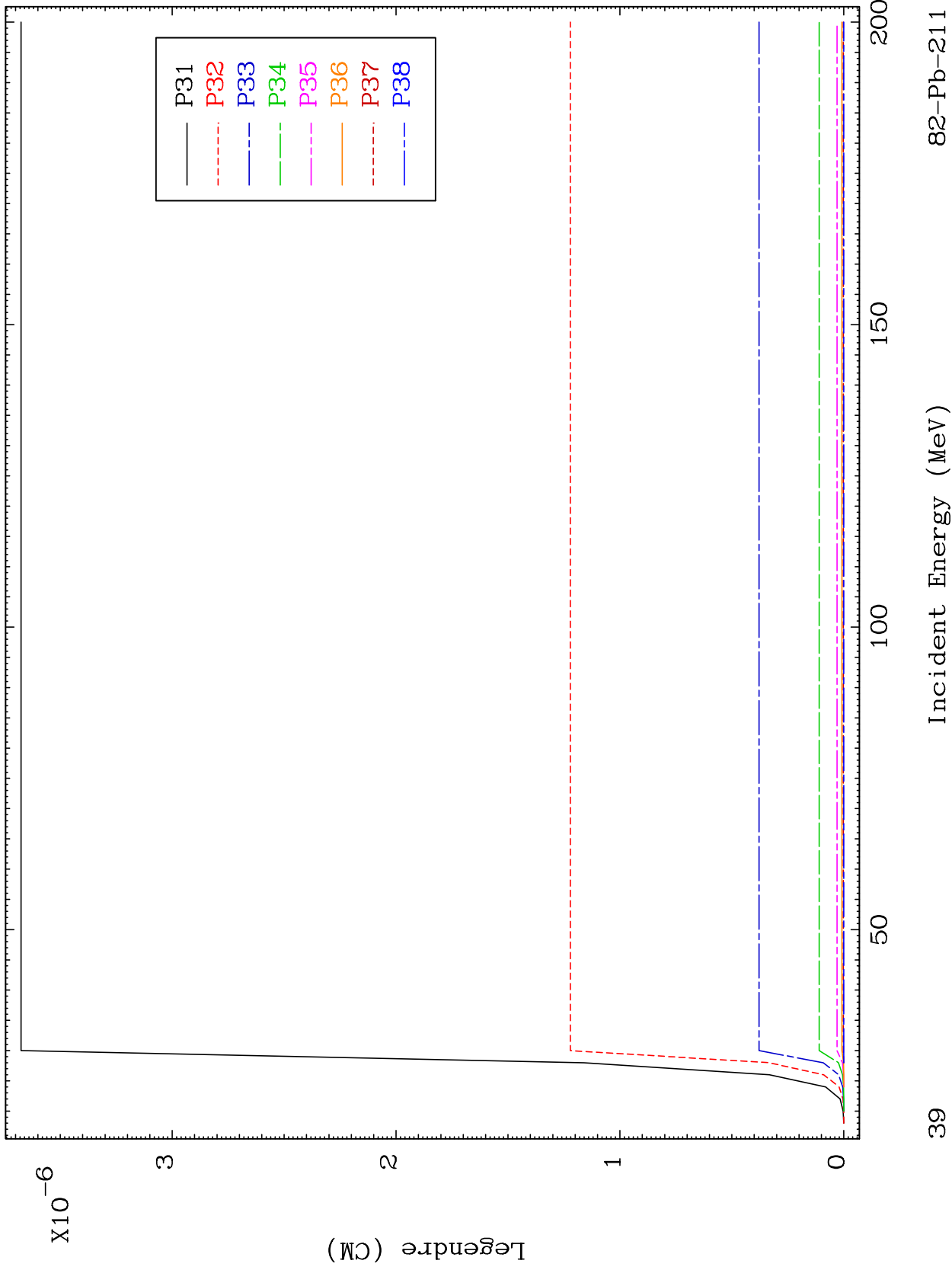
82-Pb-211



MAT 8246

733.0 keV (n,n') Level  
Legendre Coefficients

82-Pb-211



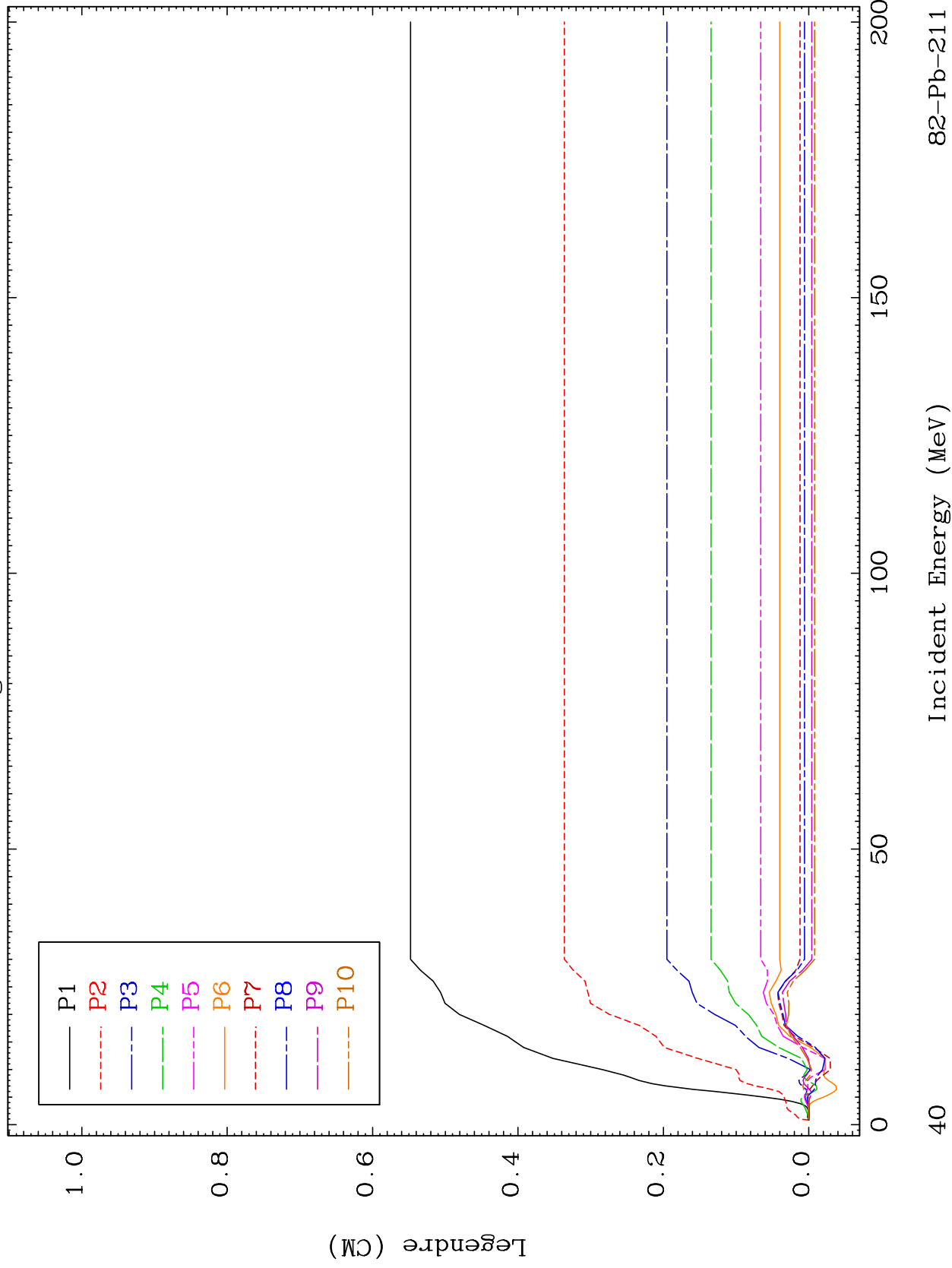
39



MAT 8246

815.0 keV (n,n') Level  
Legendre Coefficients

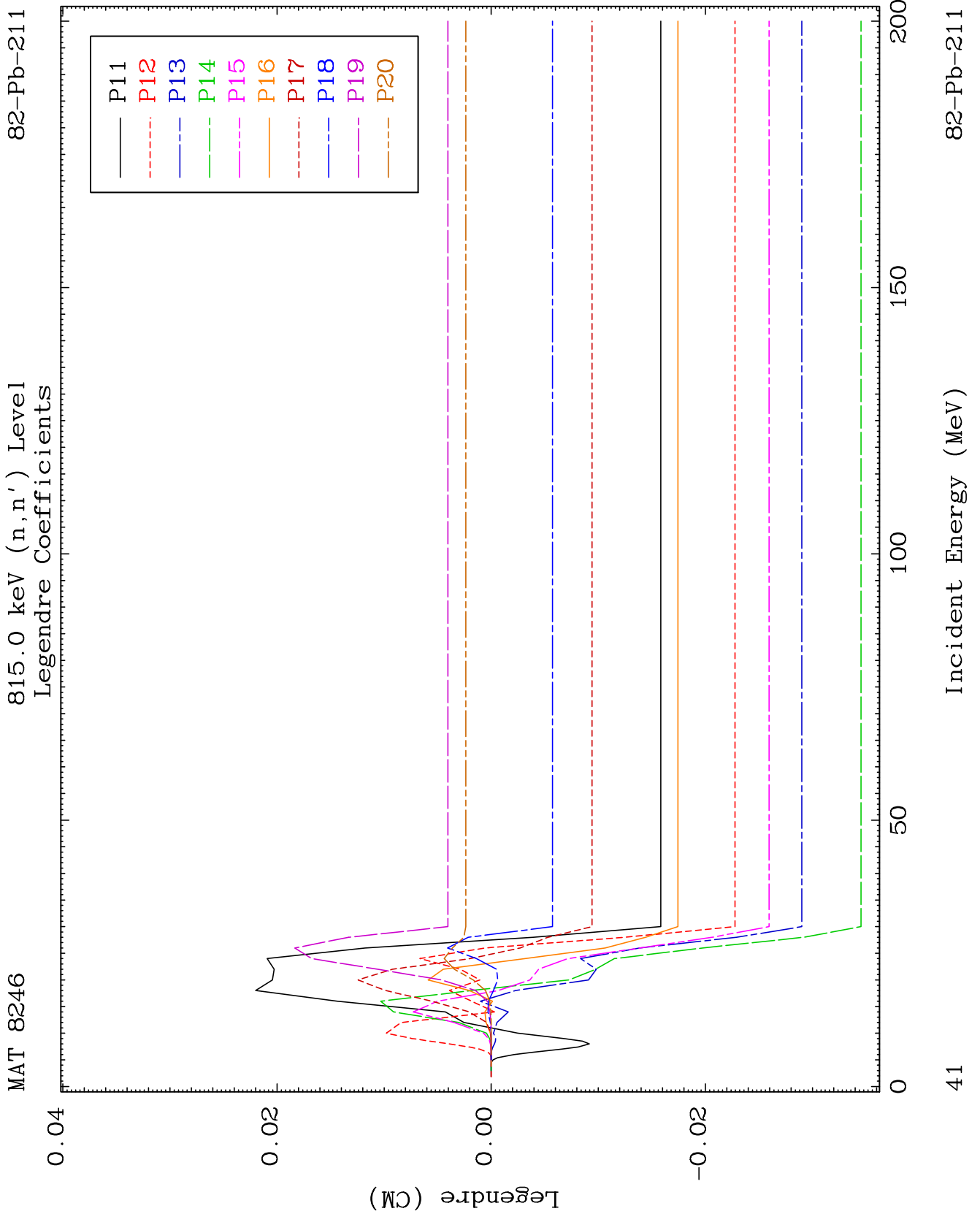
82-Pb-211



82-Pb-211

Incident Energy (MeV)

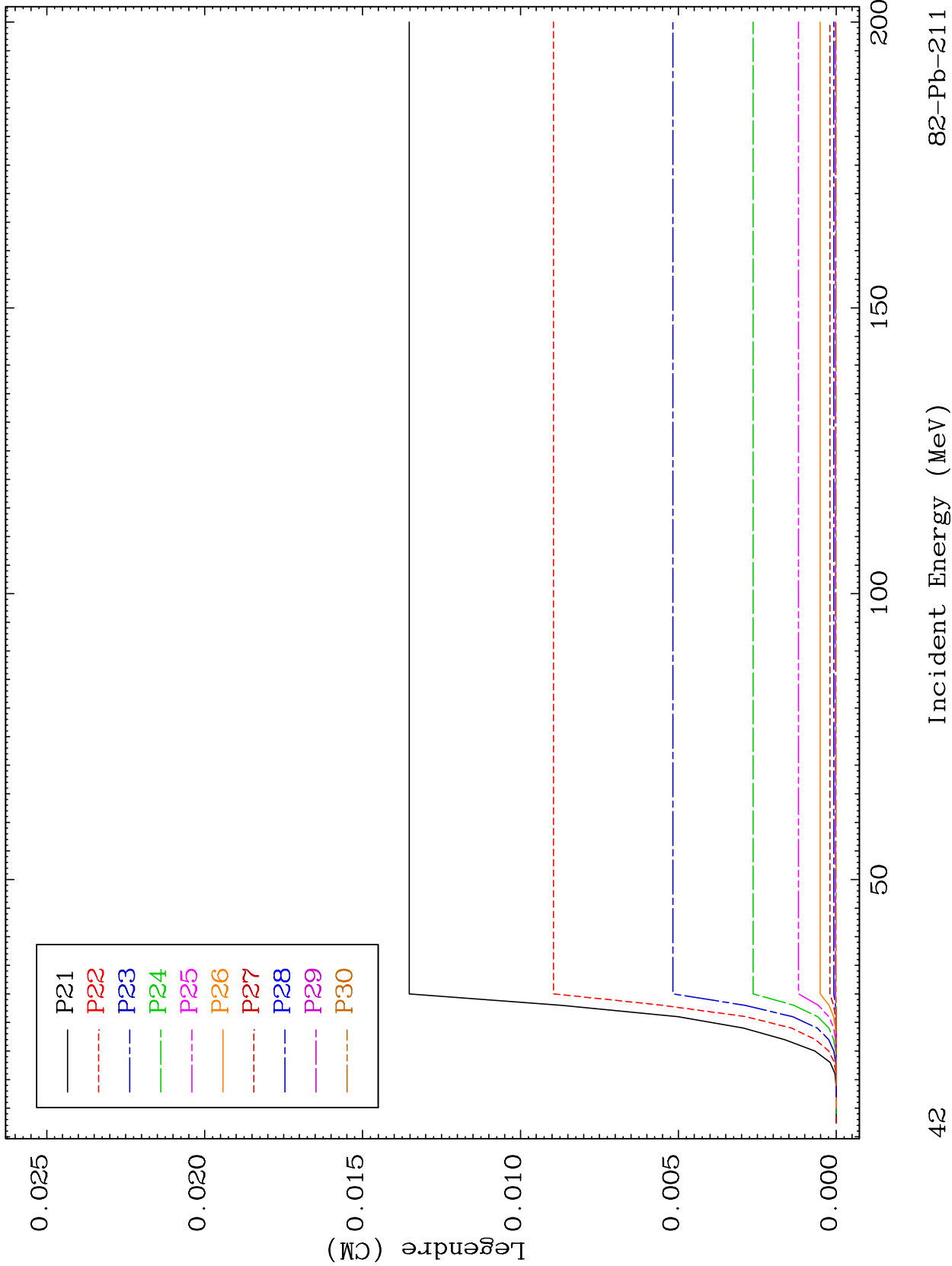
40



MAT 8246

815.0 keV (n,n') Level  
Legendre Coefficients

82-Pb-211



42

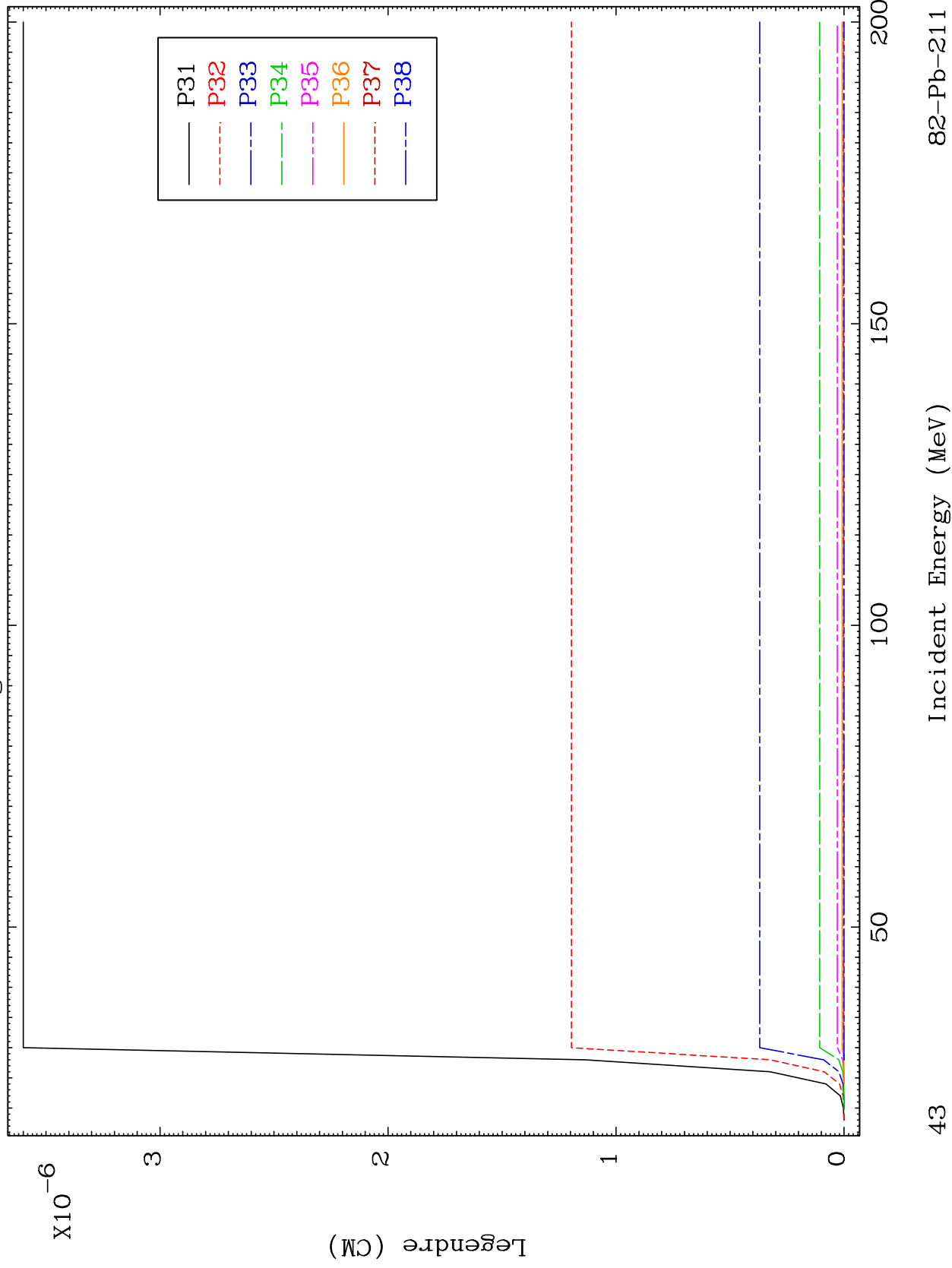
Incident Energy (MeV)

82-Pb-211

MAT 8246

815.0 keV (n,n') Level  
Legendre Coefficients

82-Pb-211



43

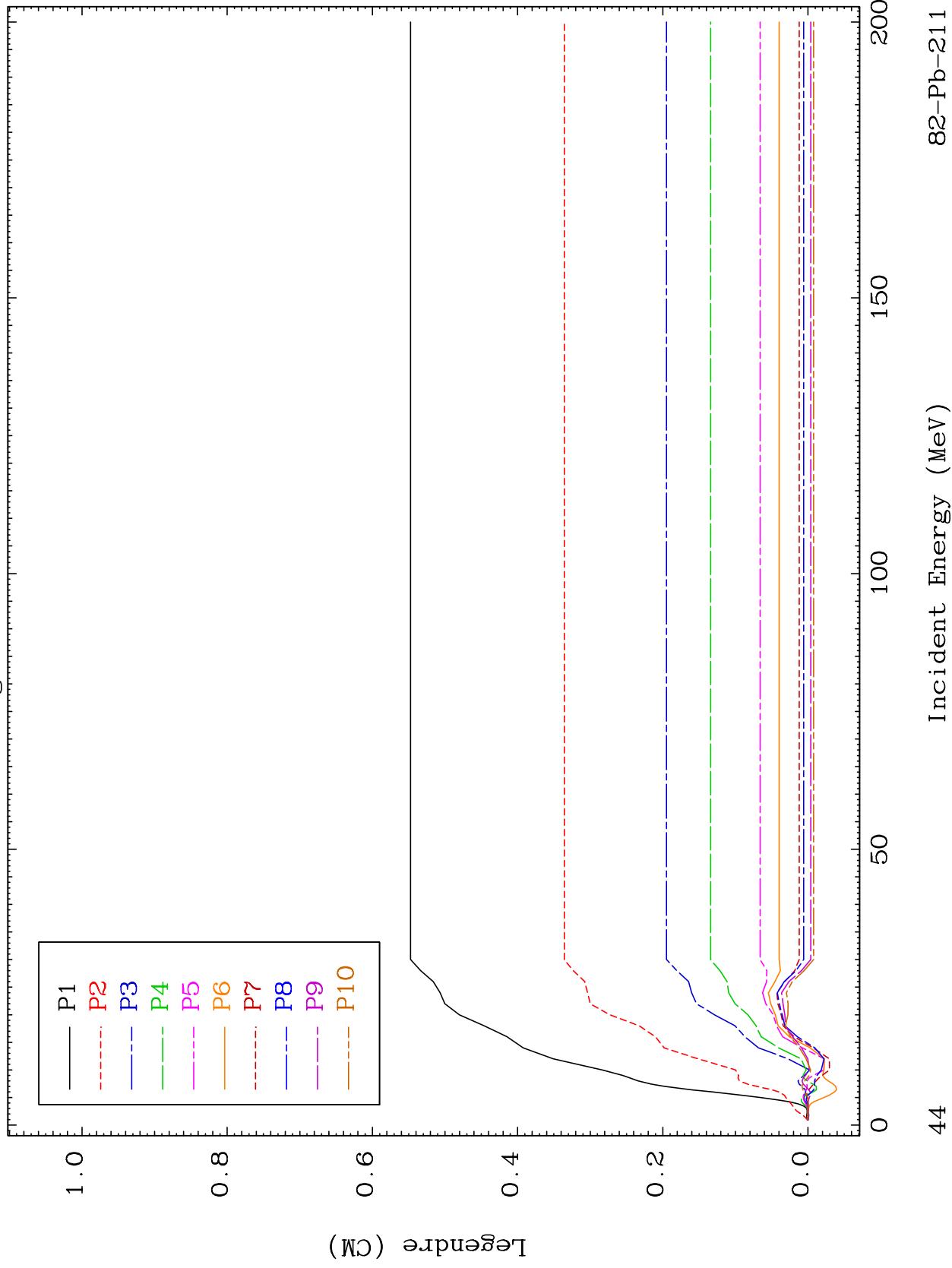
Incident Energy (MeV)

82-Pb-211

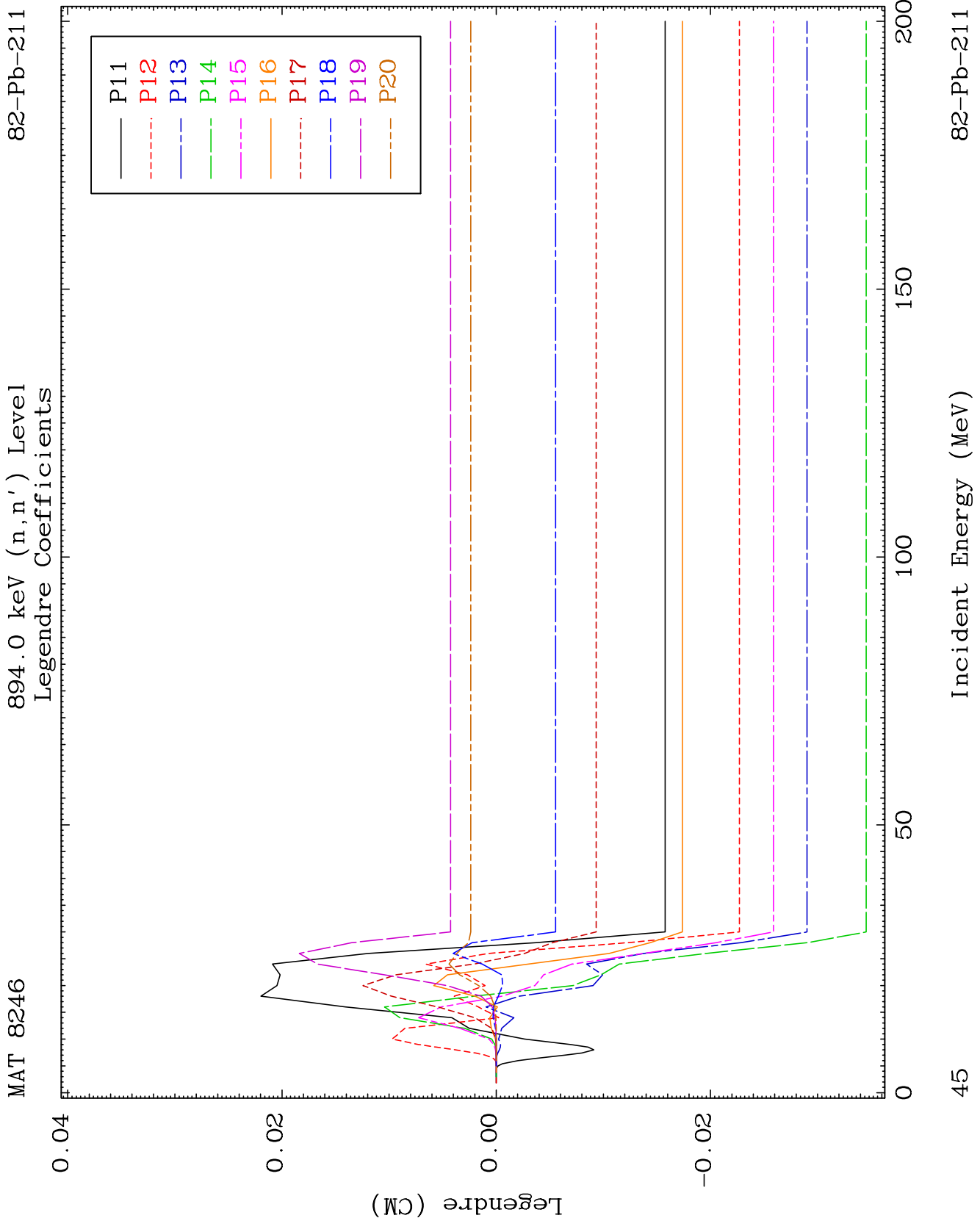
MAT 8246

894.0 keV (n,n') Level  
Legendre Coefficients

82-Pb-211



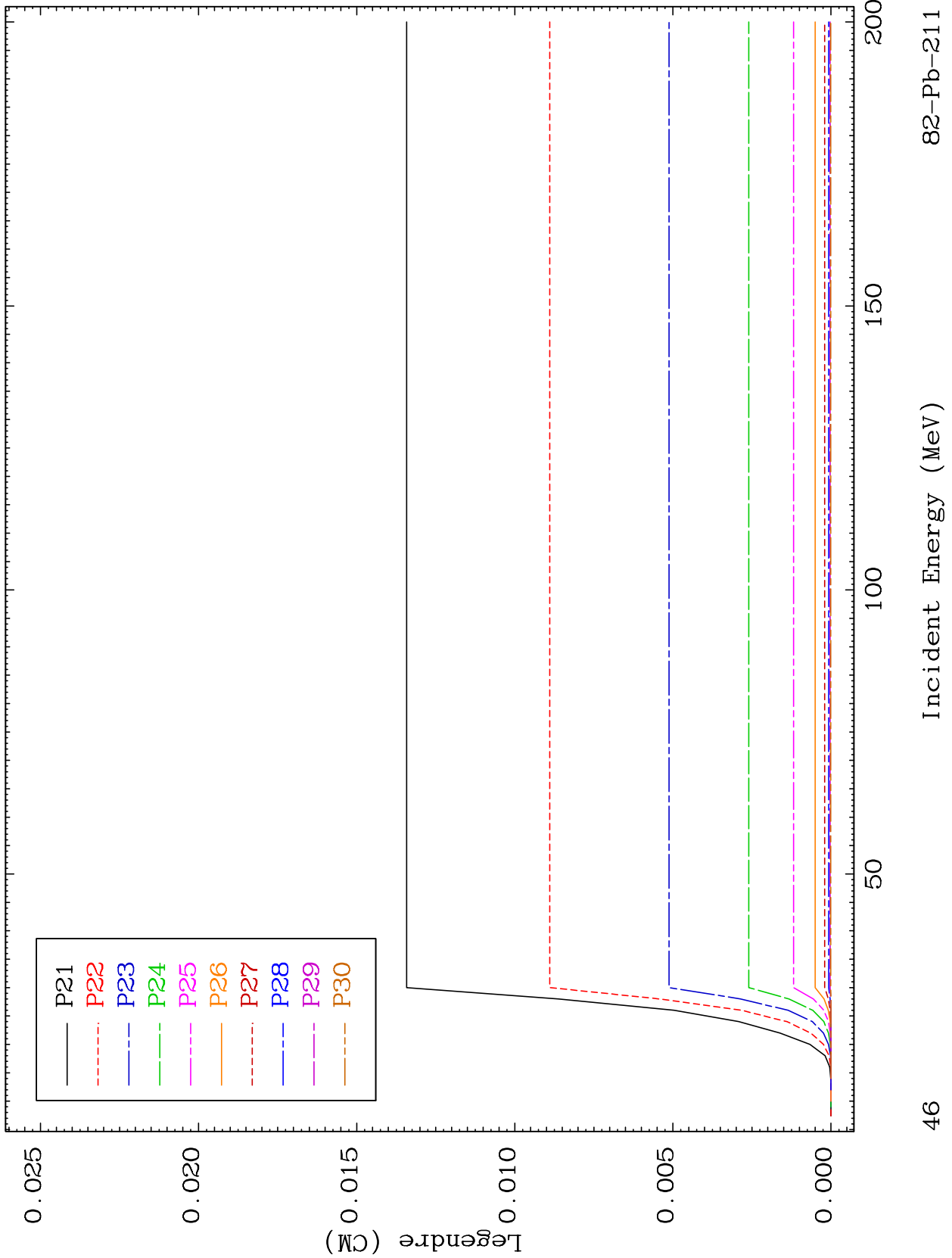
44



MAT 8246

894.0 keV (n,n') Level  
Legendre Coefficients

82-Pb-211



46

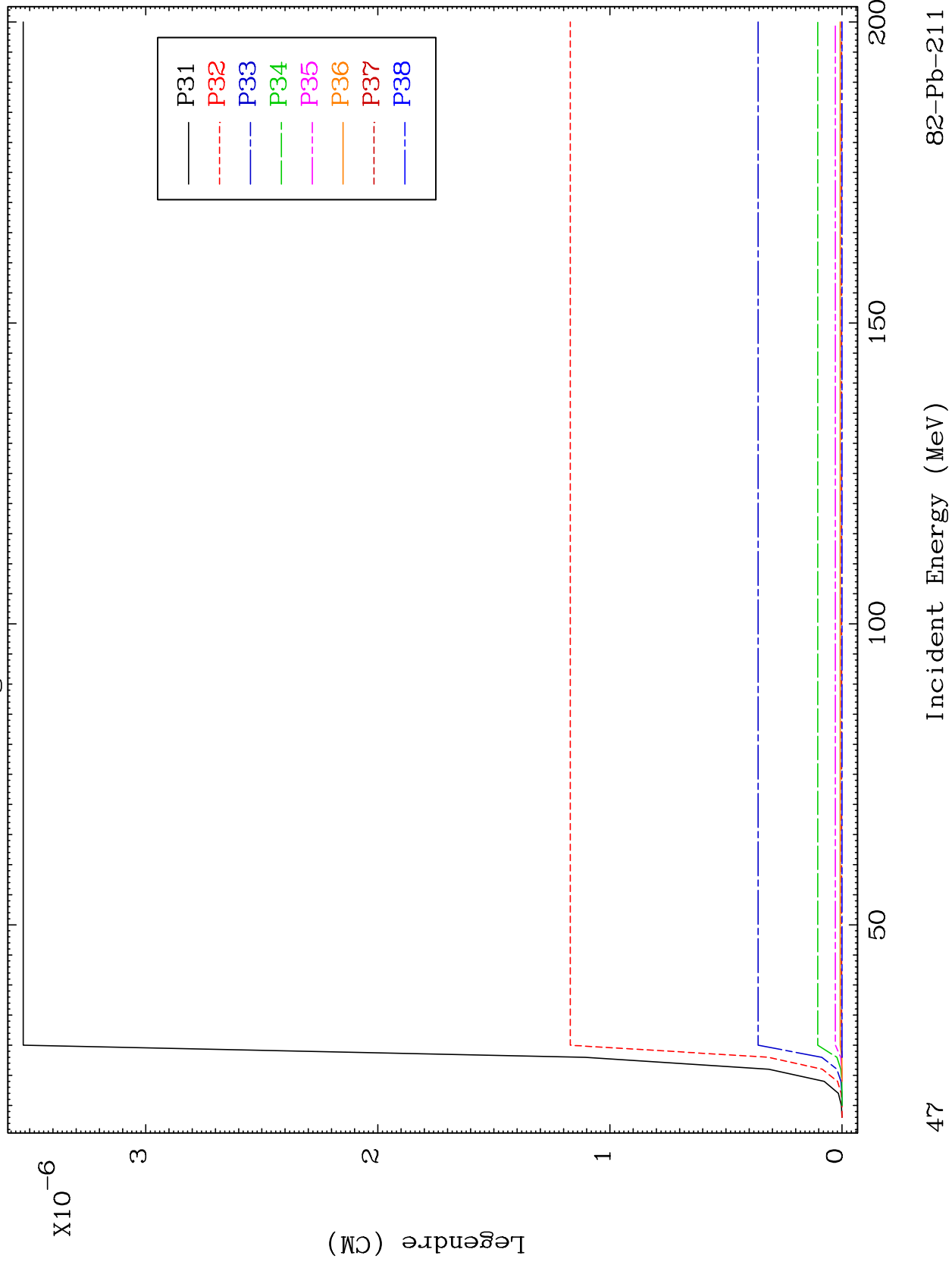
Incident Energy (MeV)

82-Pb-211

MAT 8246

894.0 keV (n,n') Level  
Legendre Coefficients

82-Pb-211

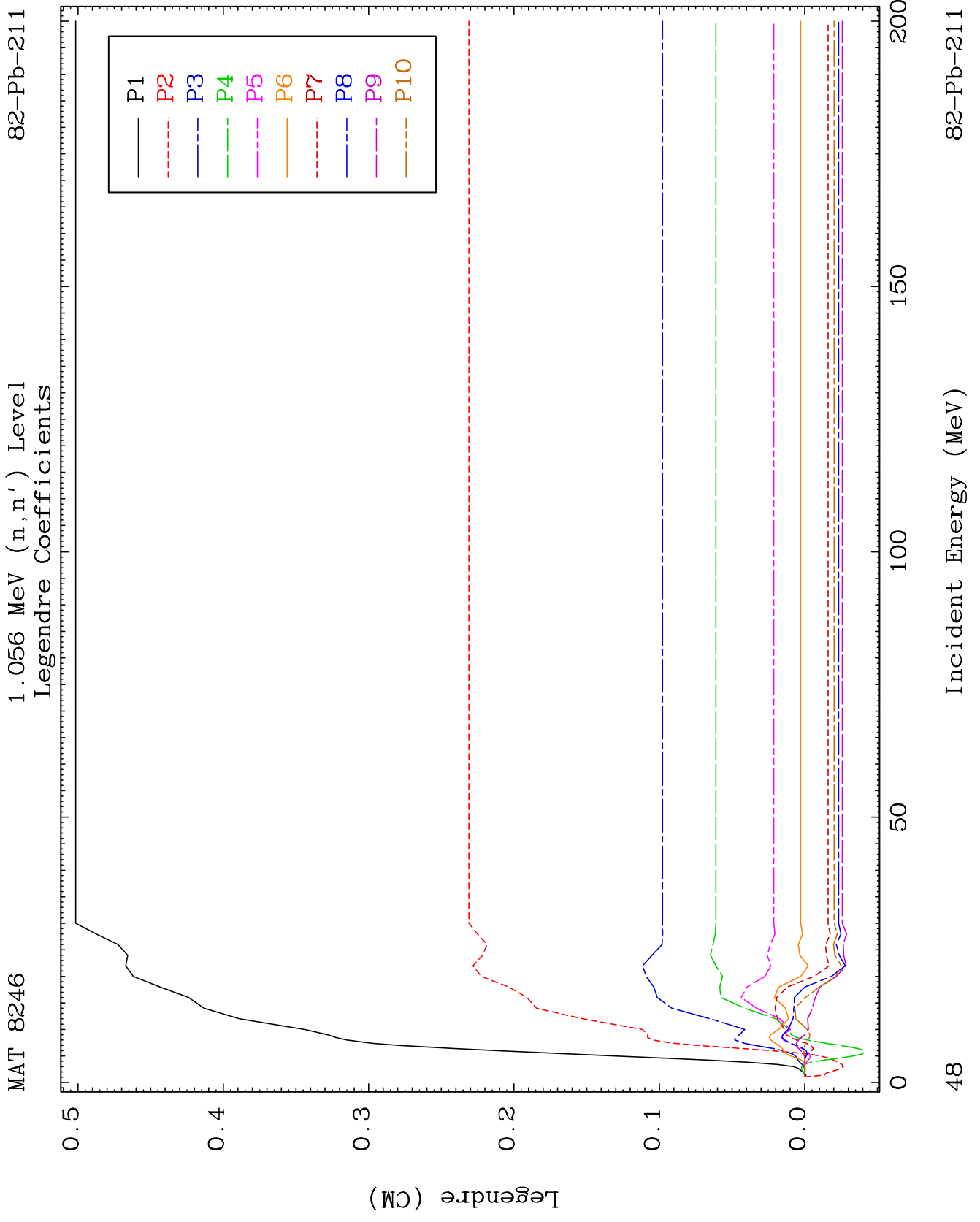


47

Incident Energy (MeV)

82-Pb-211

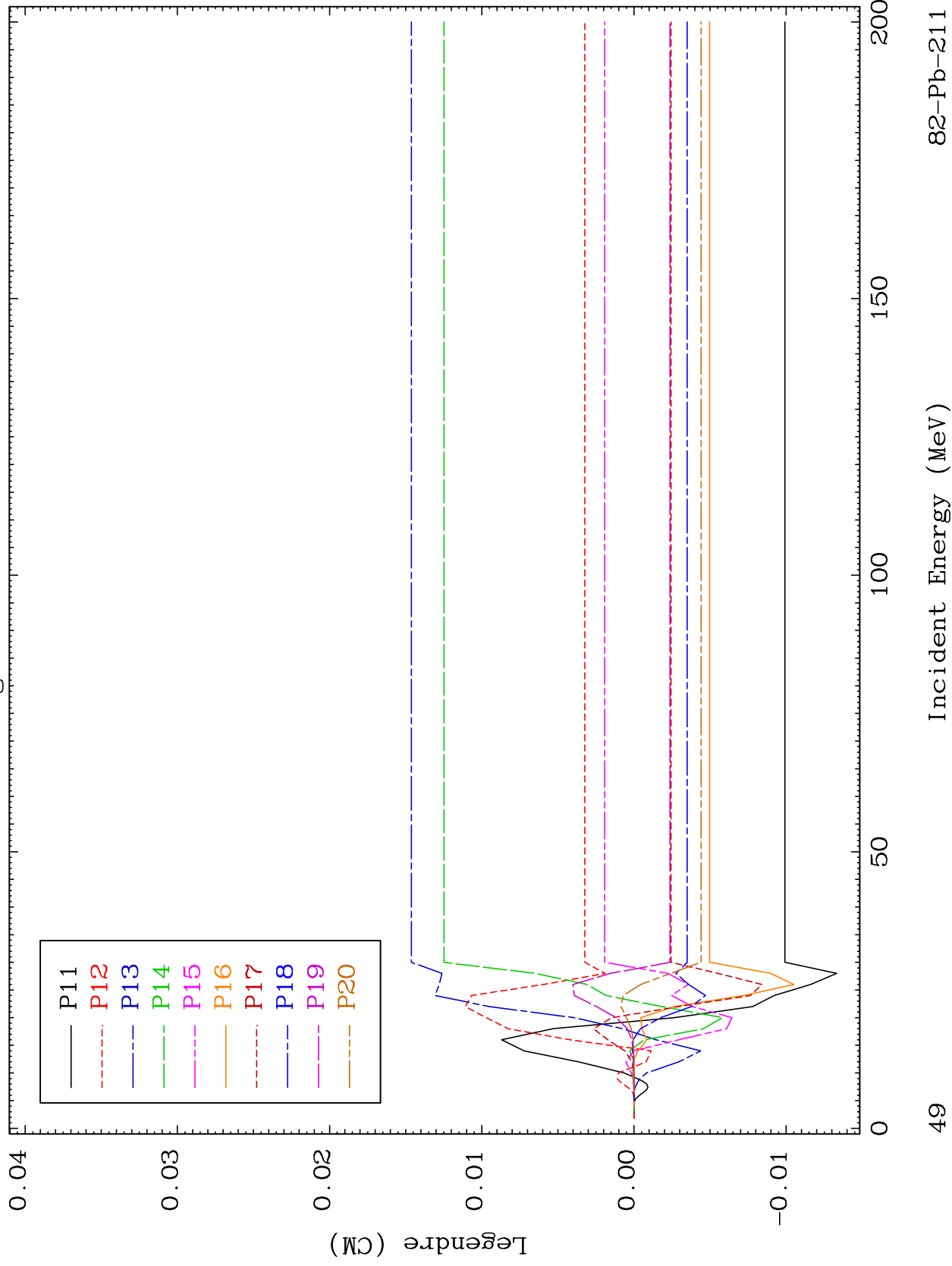




MAT 8246

1.056 MeV (n,n') Level  
Legendre Coefficients

82-Pb-211



49

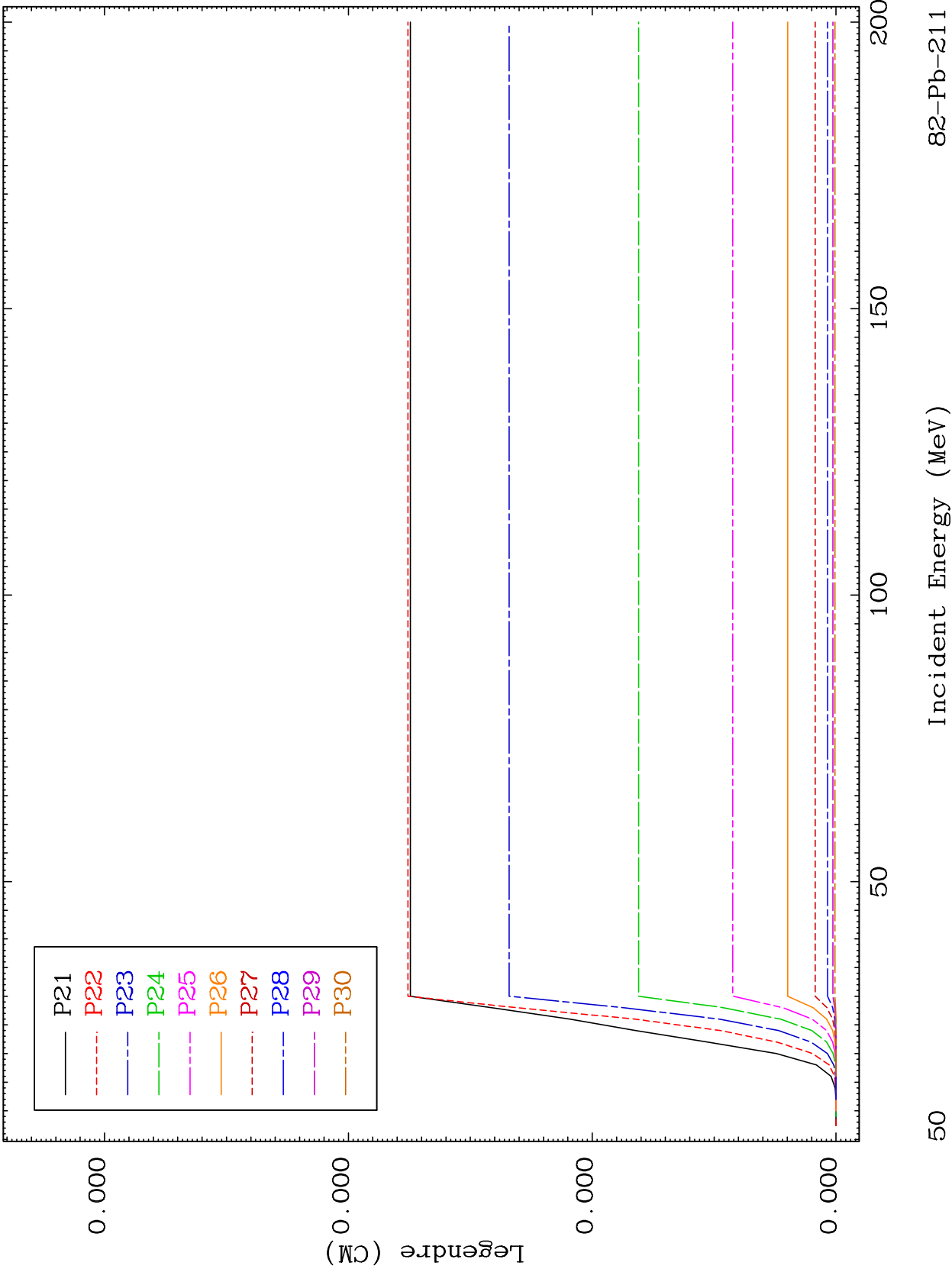
Incident Energy (MeV)

82-Pb-211

MAT 8246

1.056 MeV (n,n') Level  
Legendre Coefficients

82-Pb-211



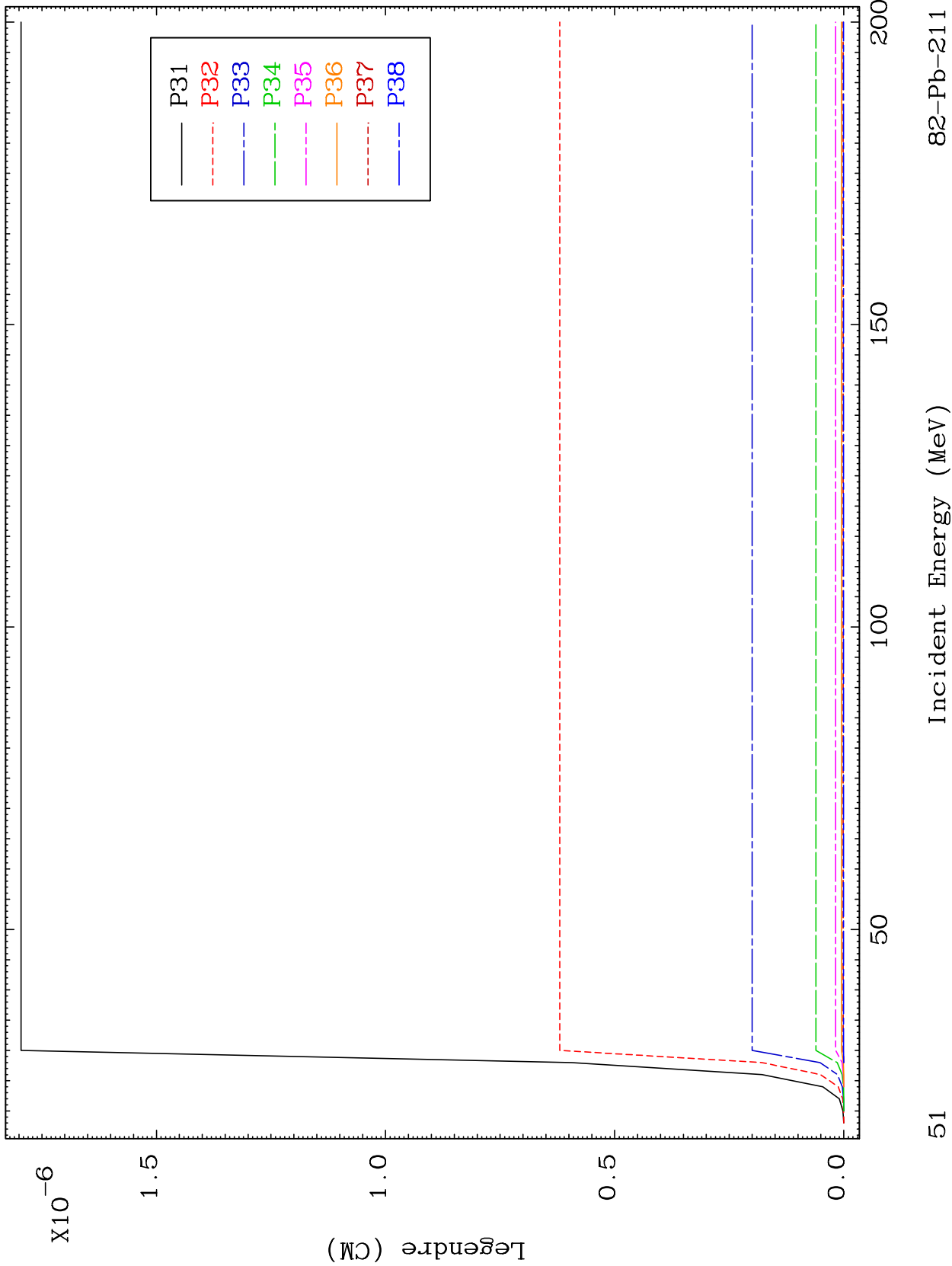
50

50

100

150

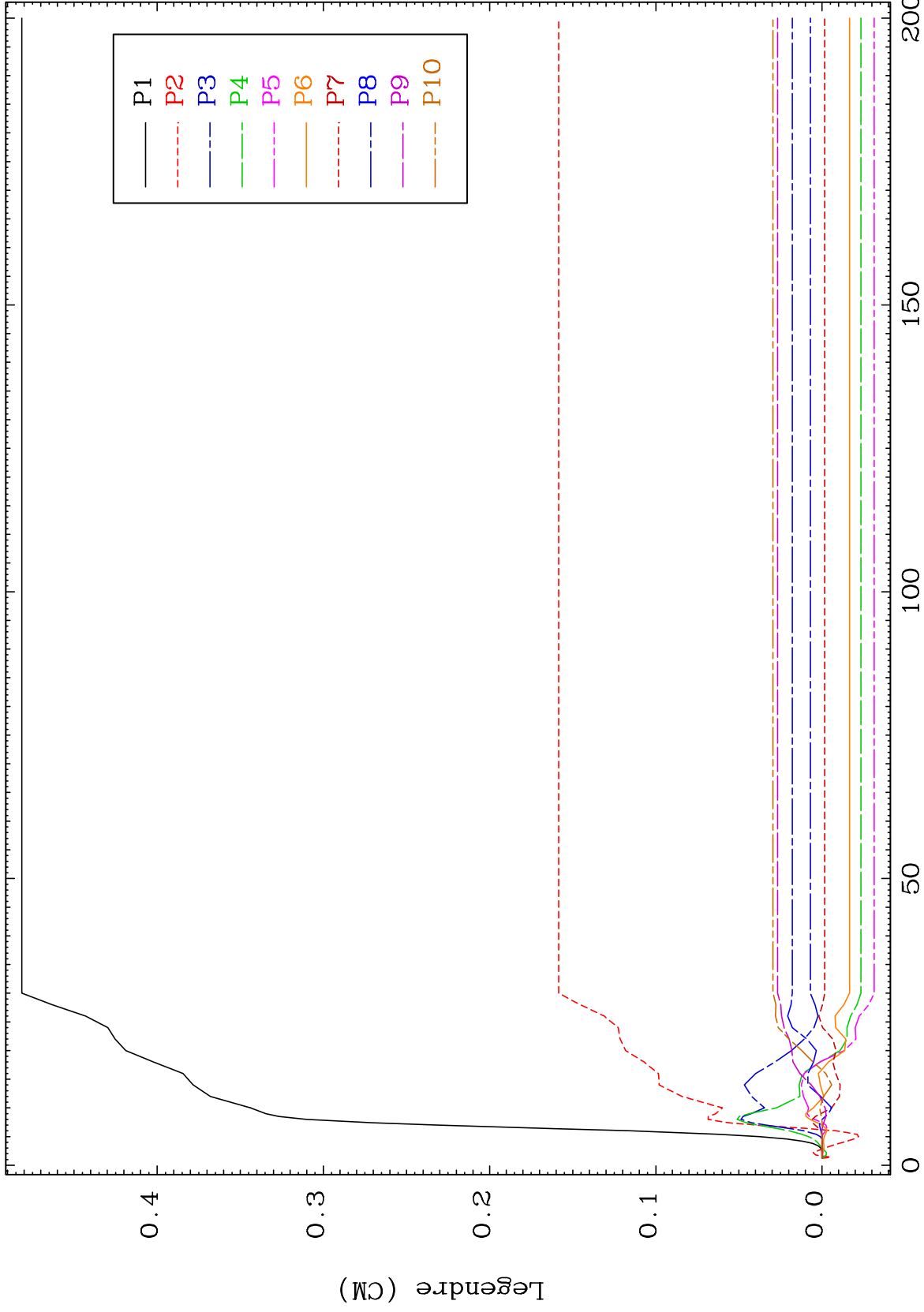
200



MAT 8246

1.193 MeV (n,n') Level  
Legendre Coefficients

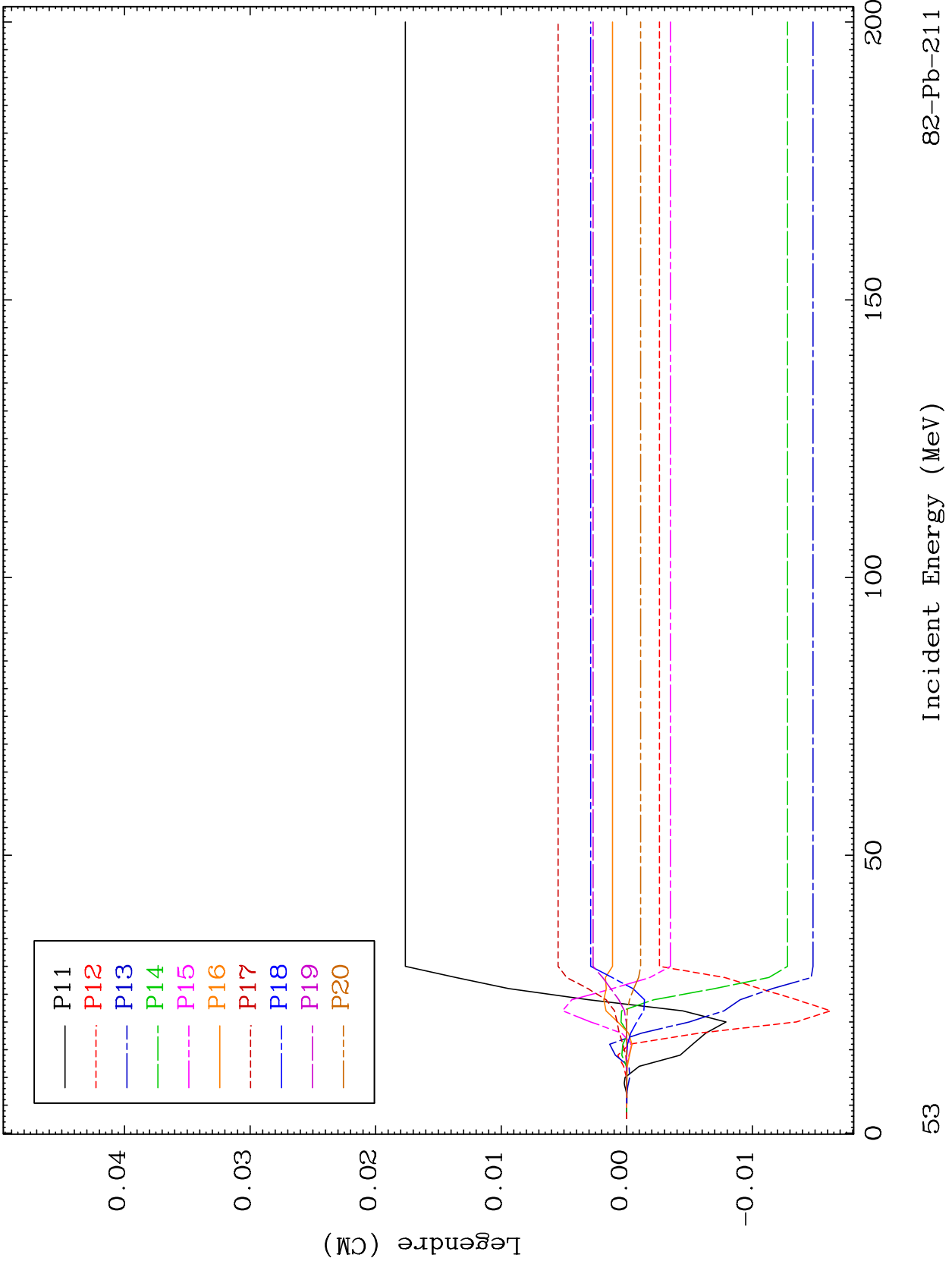
82-Pb-211

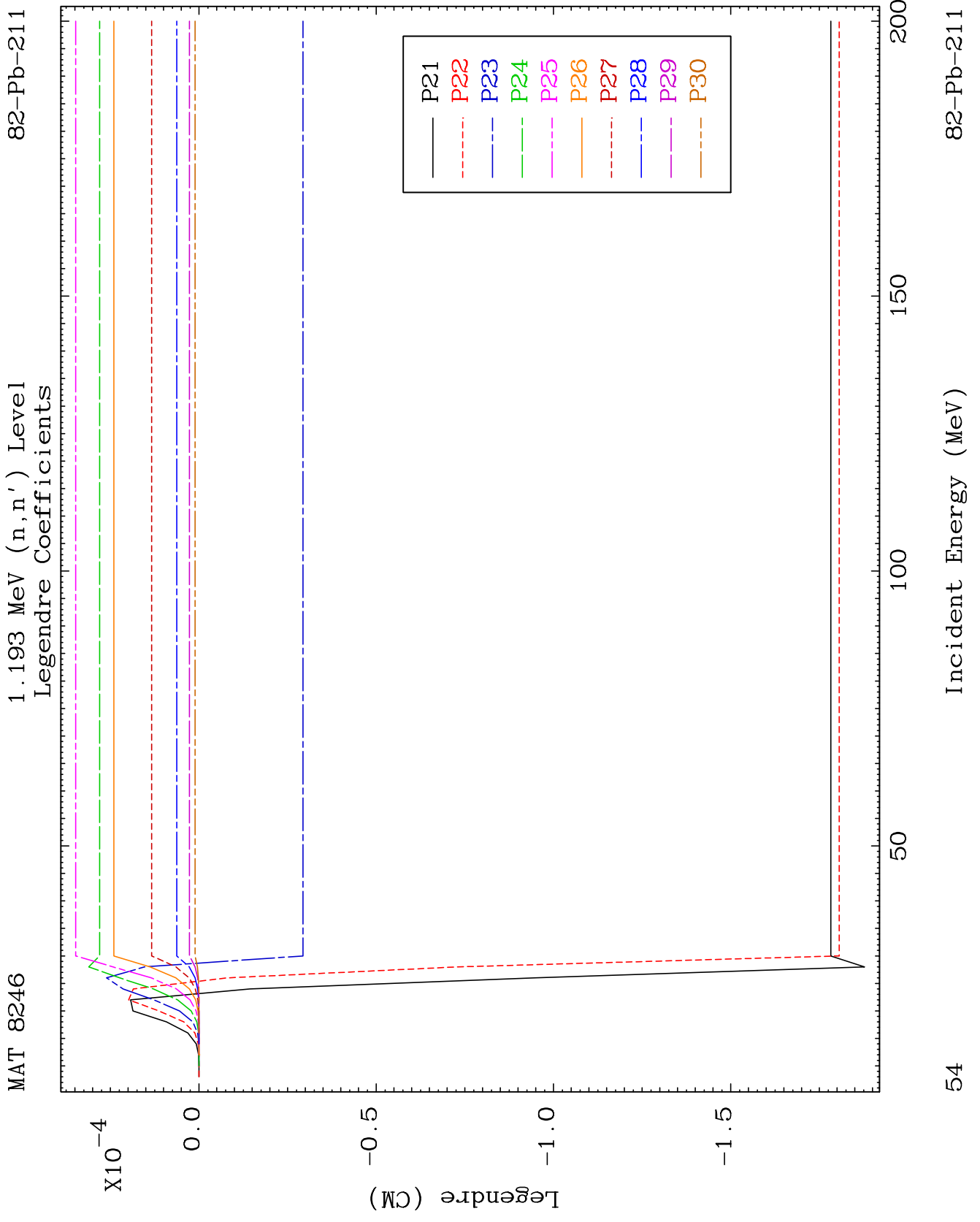


52

Incident Energy (MeV)

82-Pb-211

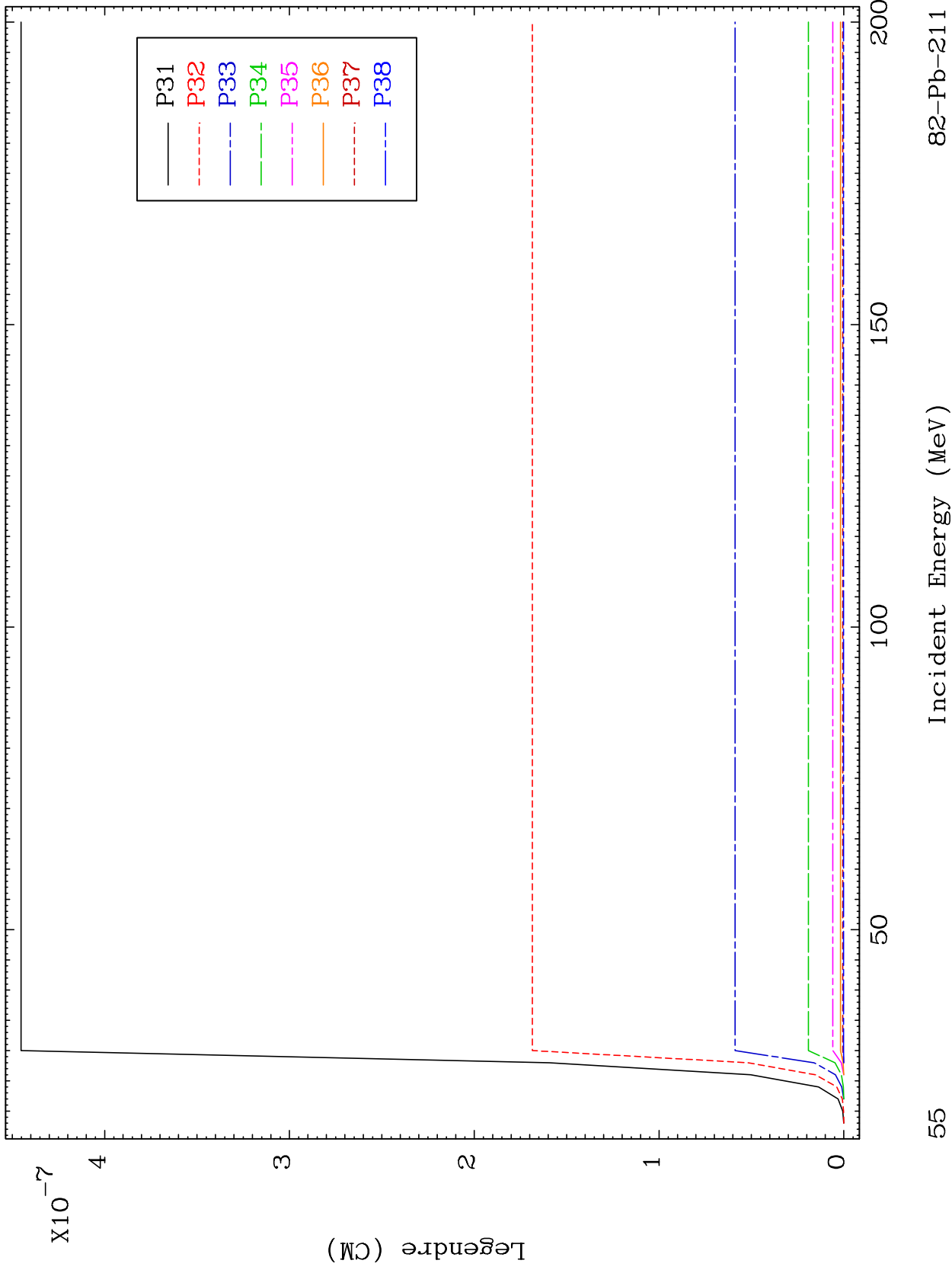




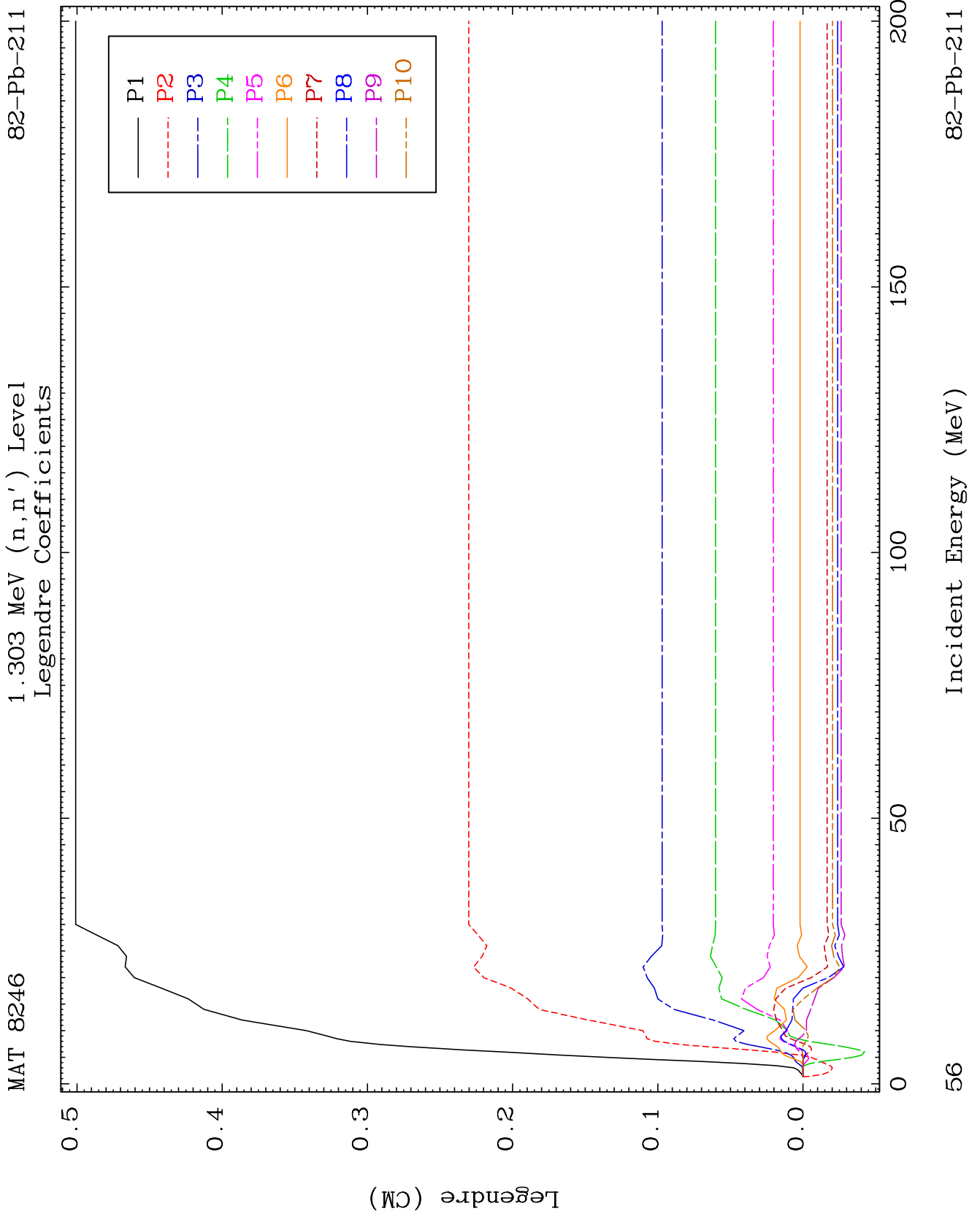
MAT 8246

1.193 MeV (n,n') Level  
Legendre Coefficients

82-Pb-211



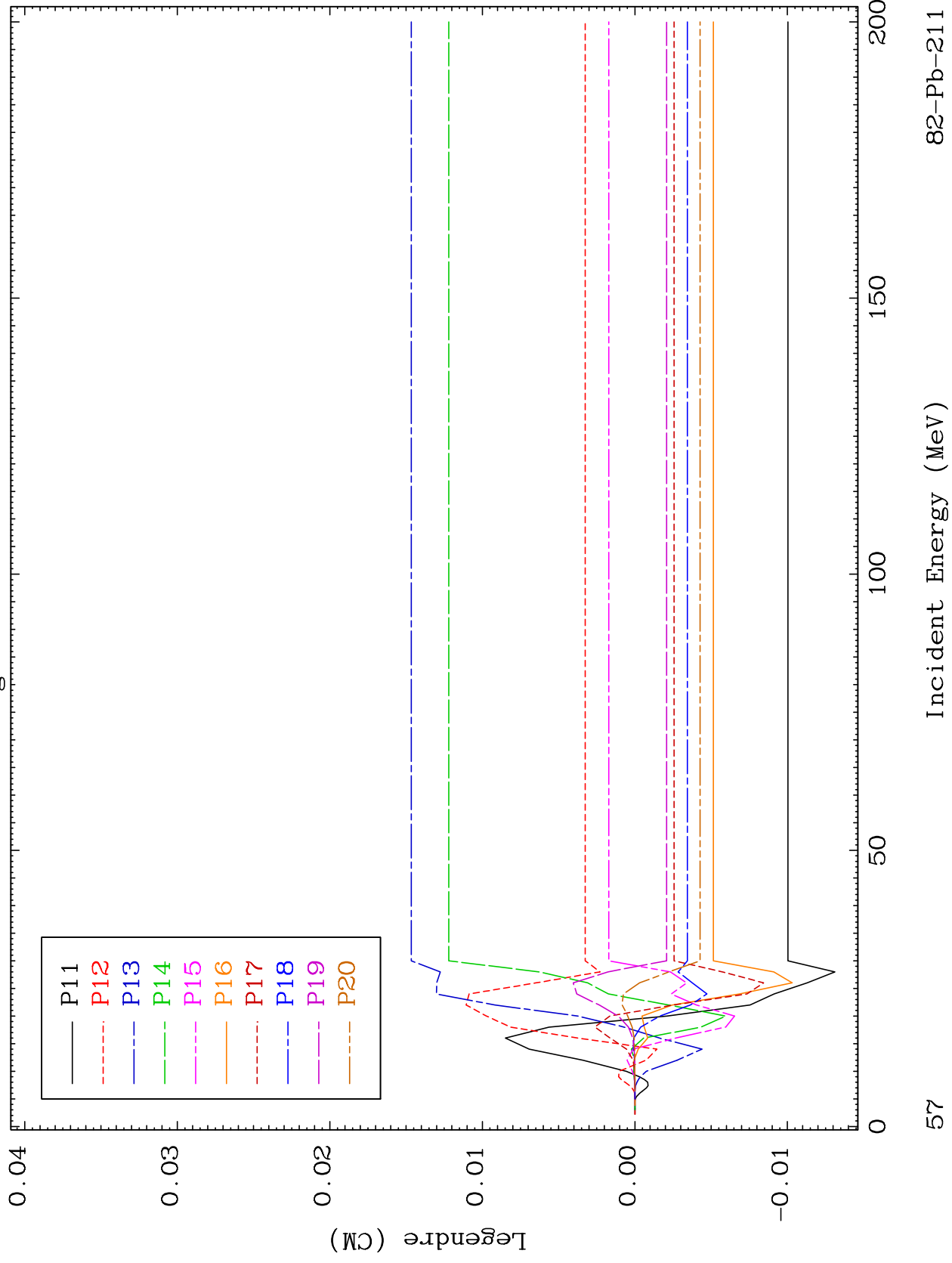




MAT 8246

1.303 MeV (n,n') Level  
Legendre Coefficients

82-Pb-211



57

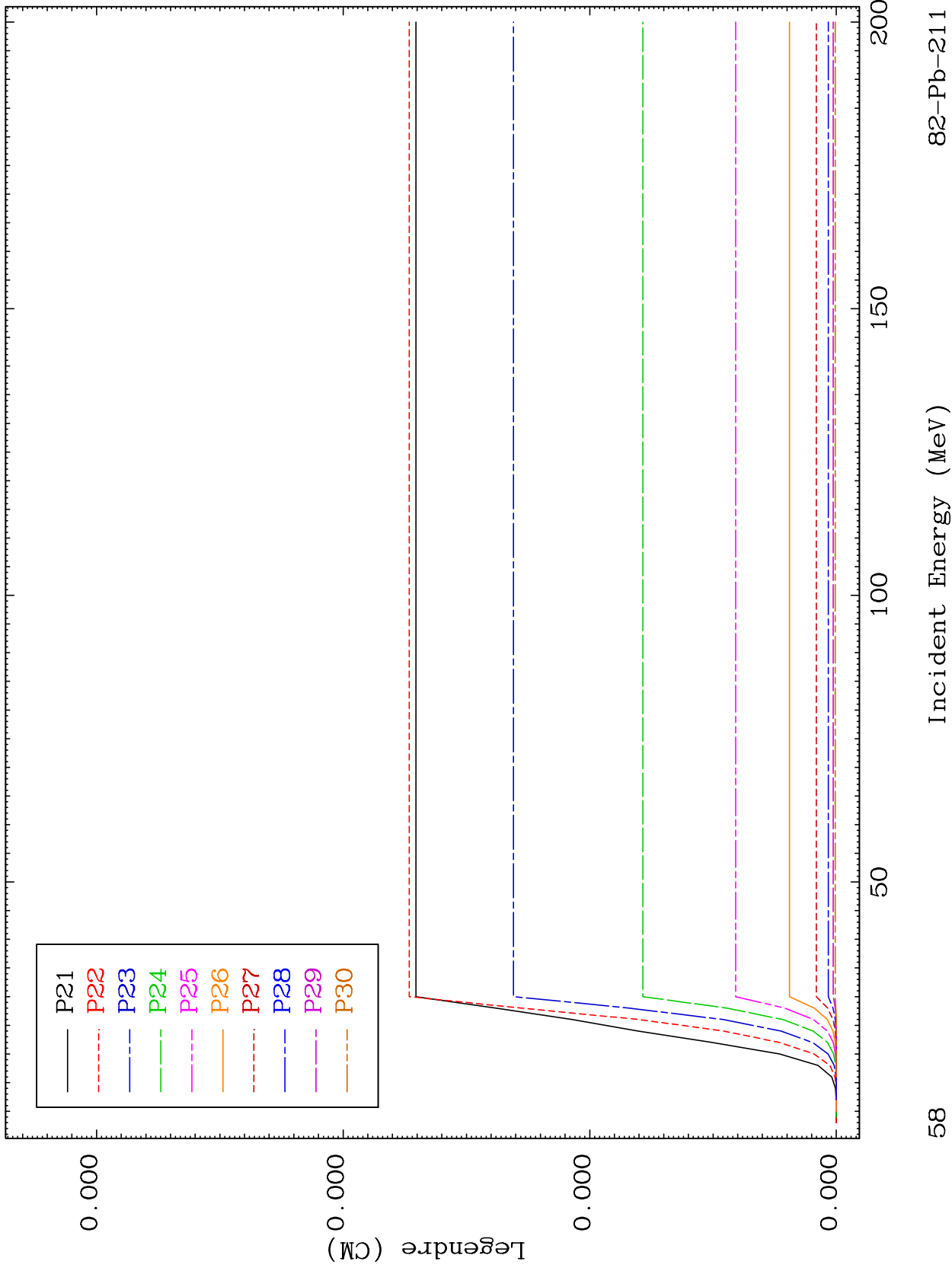
Incident Energy (MeV)

82-Pb-211

MAT 8246

1.303 MeV (n,n') Level  
Legendre Coefficients

82-Pb-211



58

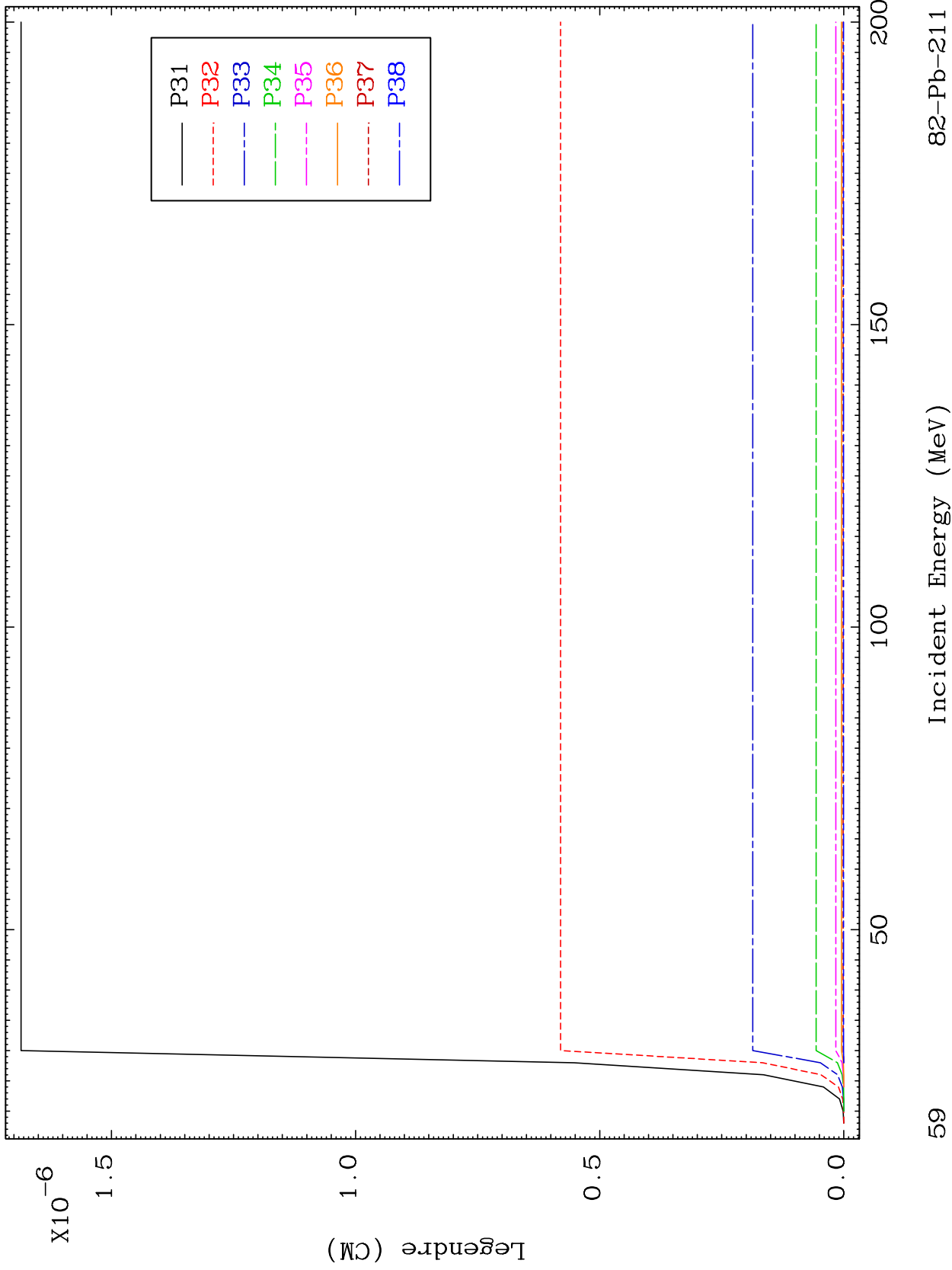
Incident Energy (MeV)

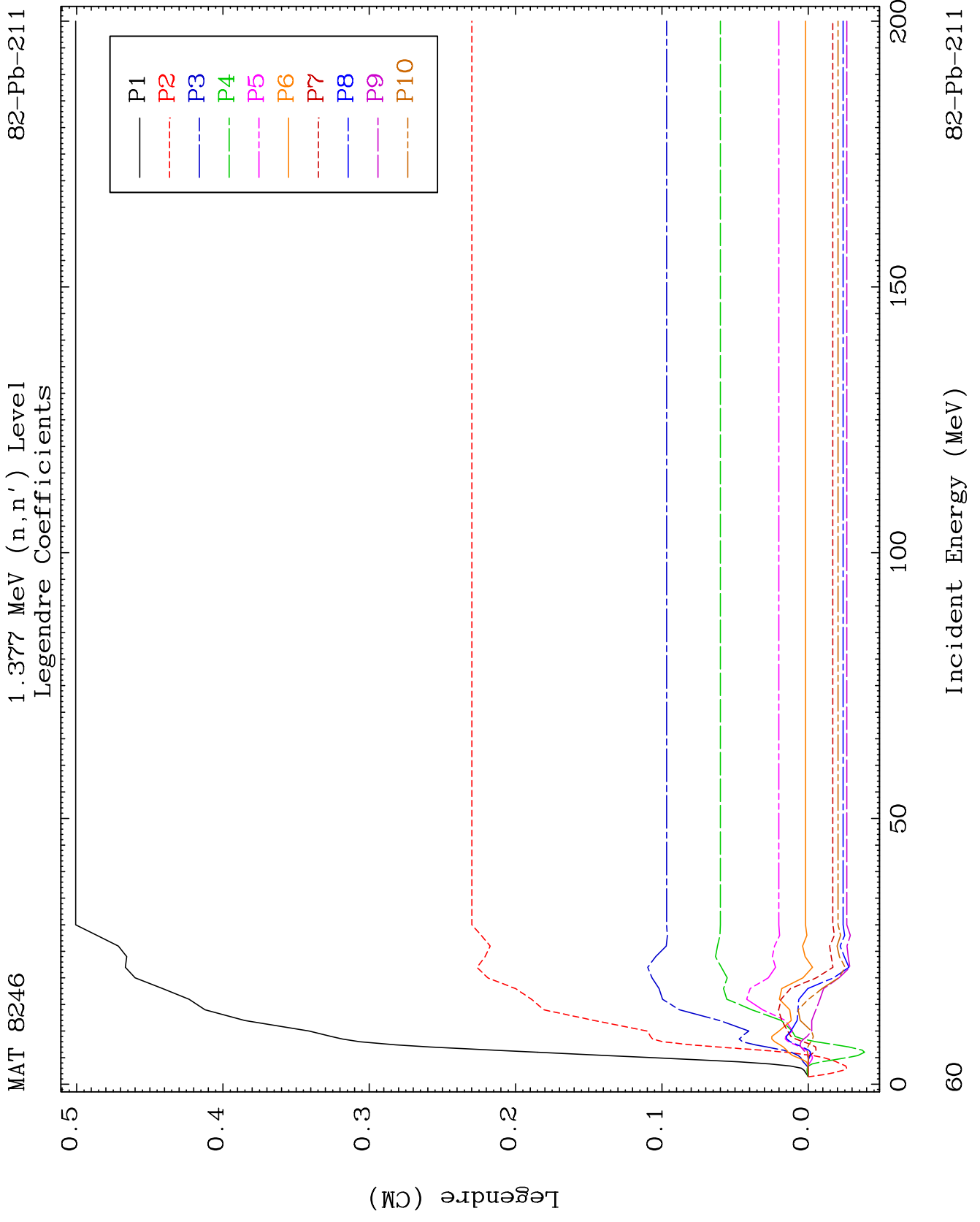
82-Pb-211

MAT 8246

1.303 MeV (n,n') Level  
Legendre Coefficients

82-Pb-211

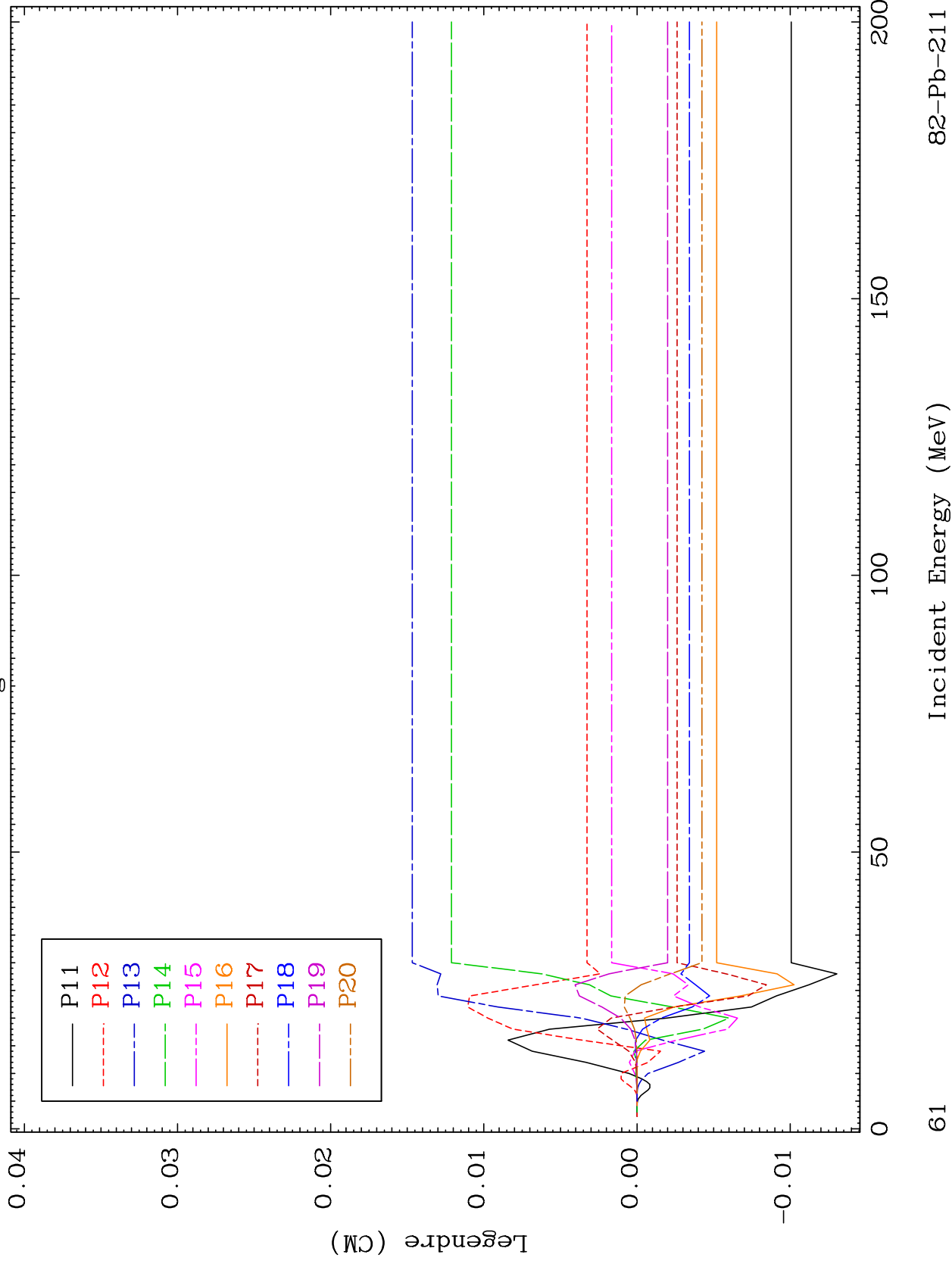




MAT 8246

1.377 MeV (n, n') Level  
Legendre Coefficients

82-Pb-211



61

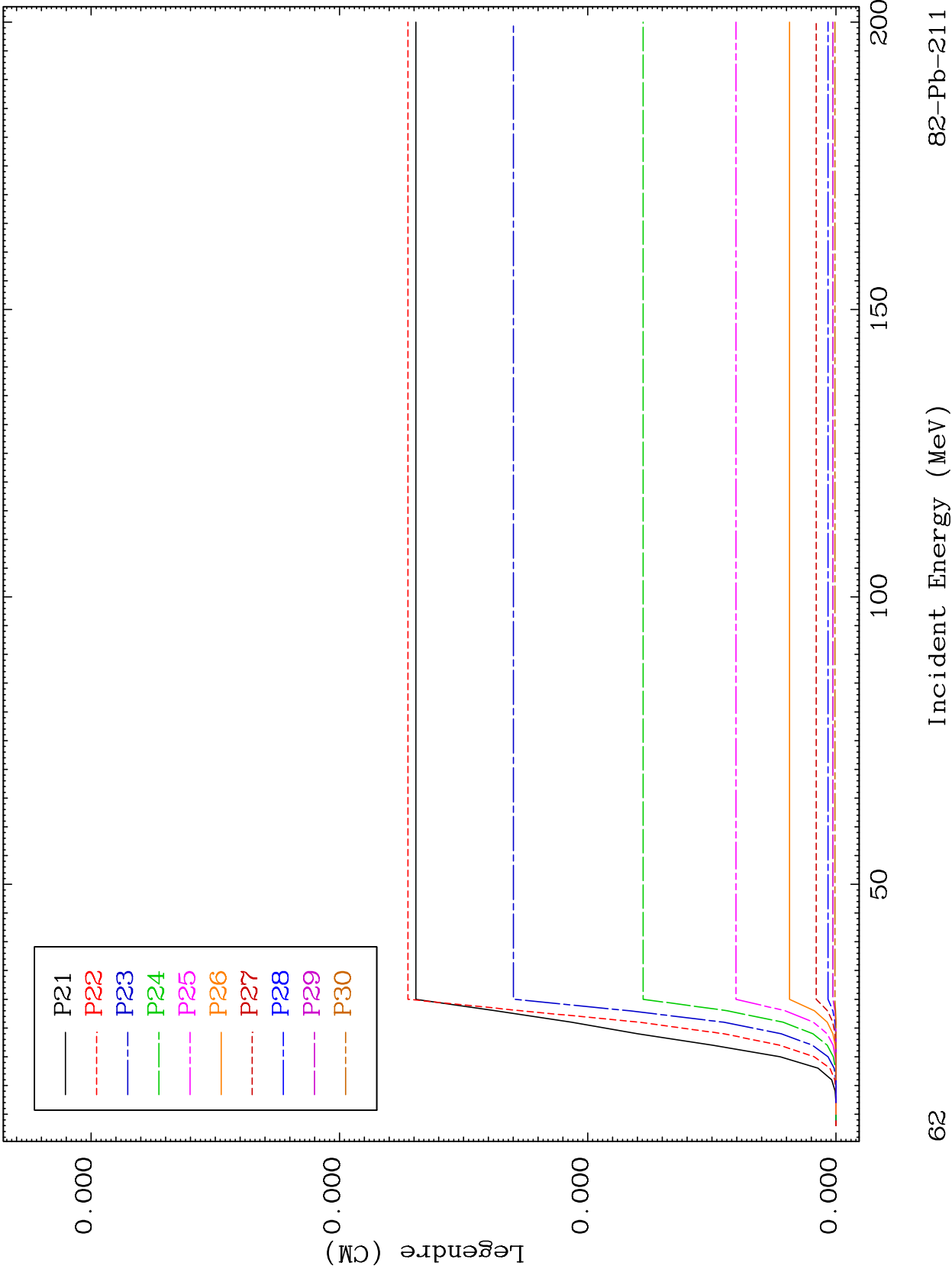
Incident Energy (MeV)

82-Pb-211

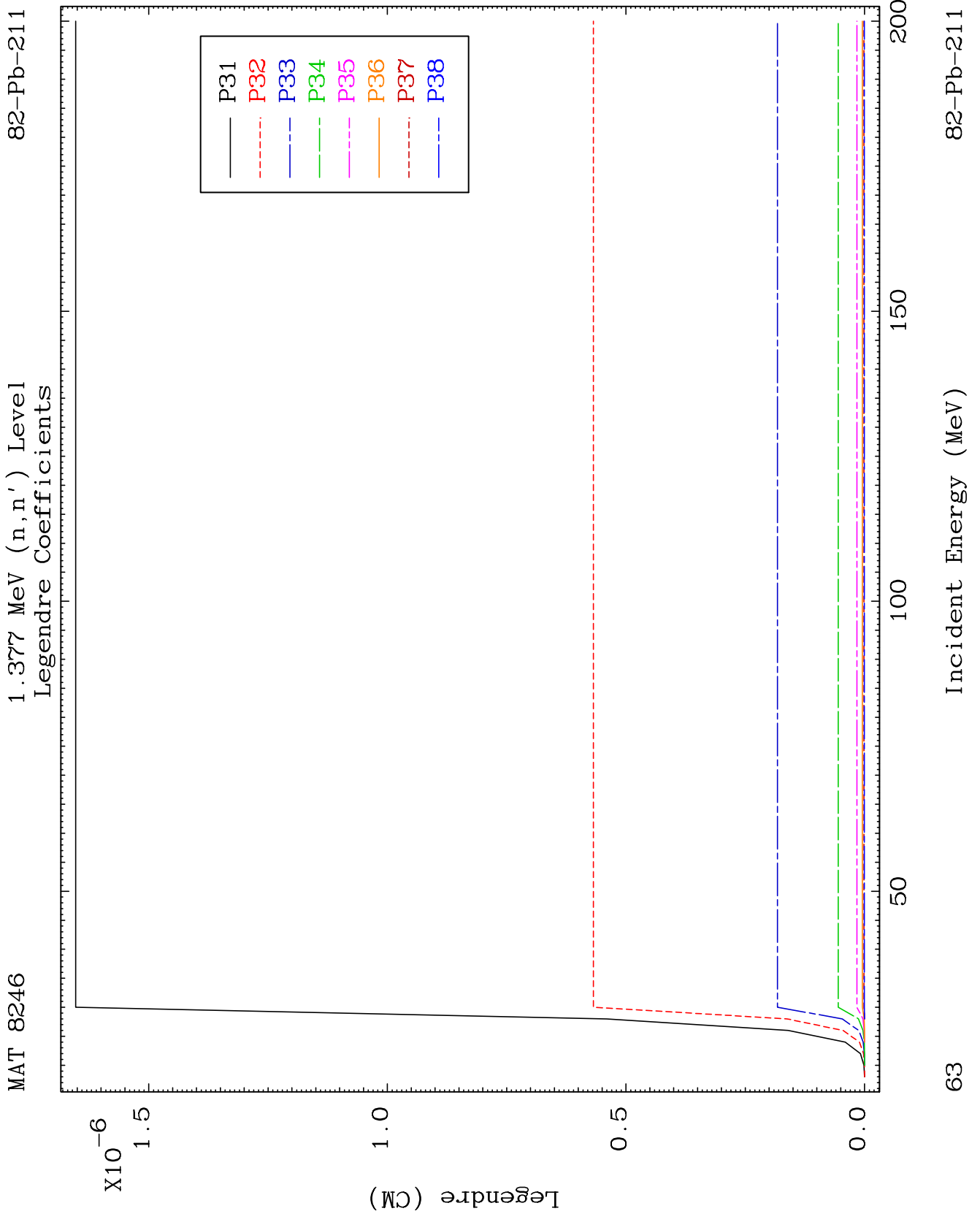
MAT 8246

1.377 MeV (n,n') Level  
Legendre Coefficients

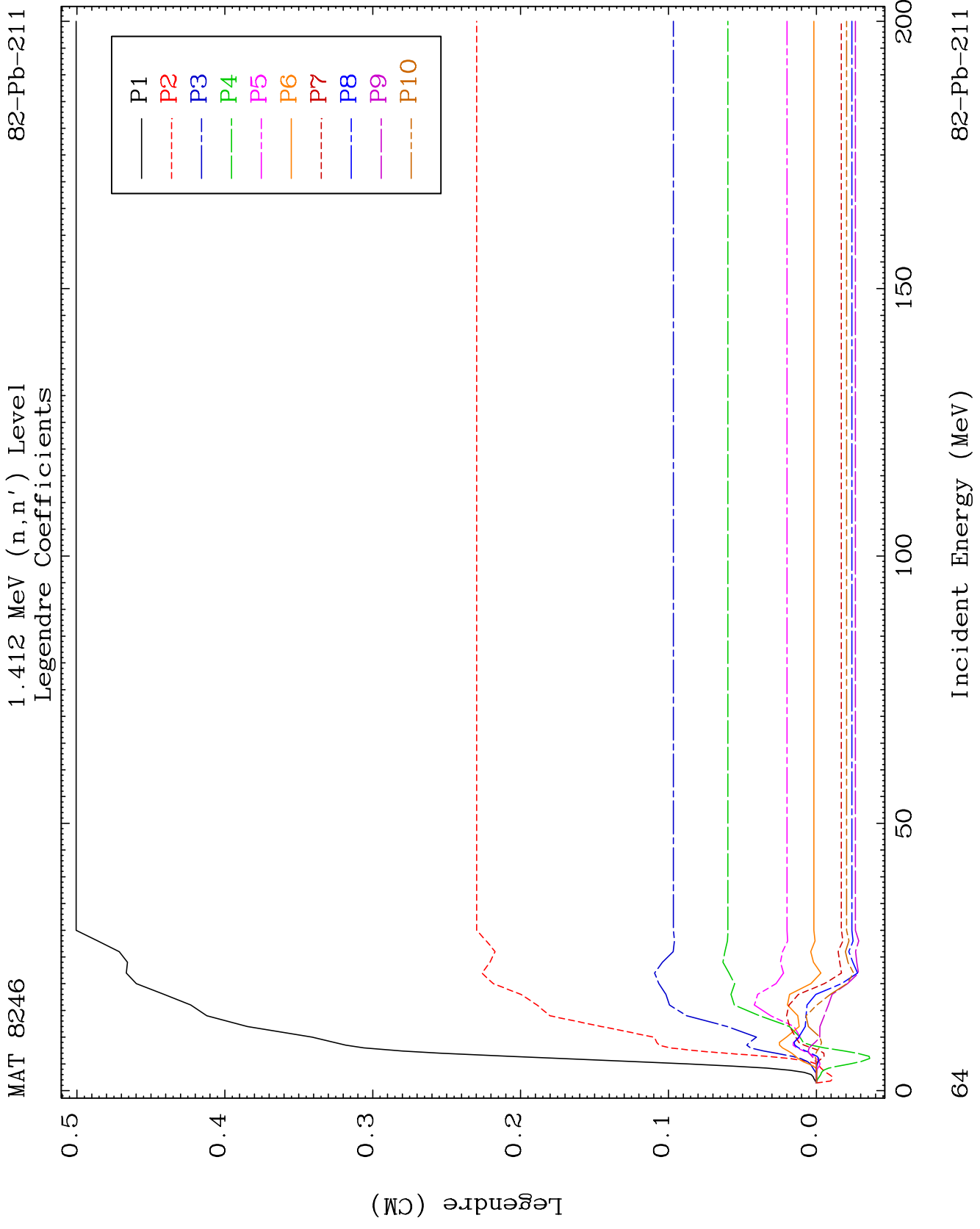
82-Pb-211



62



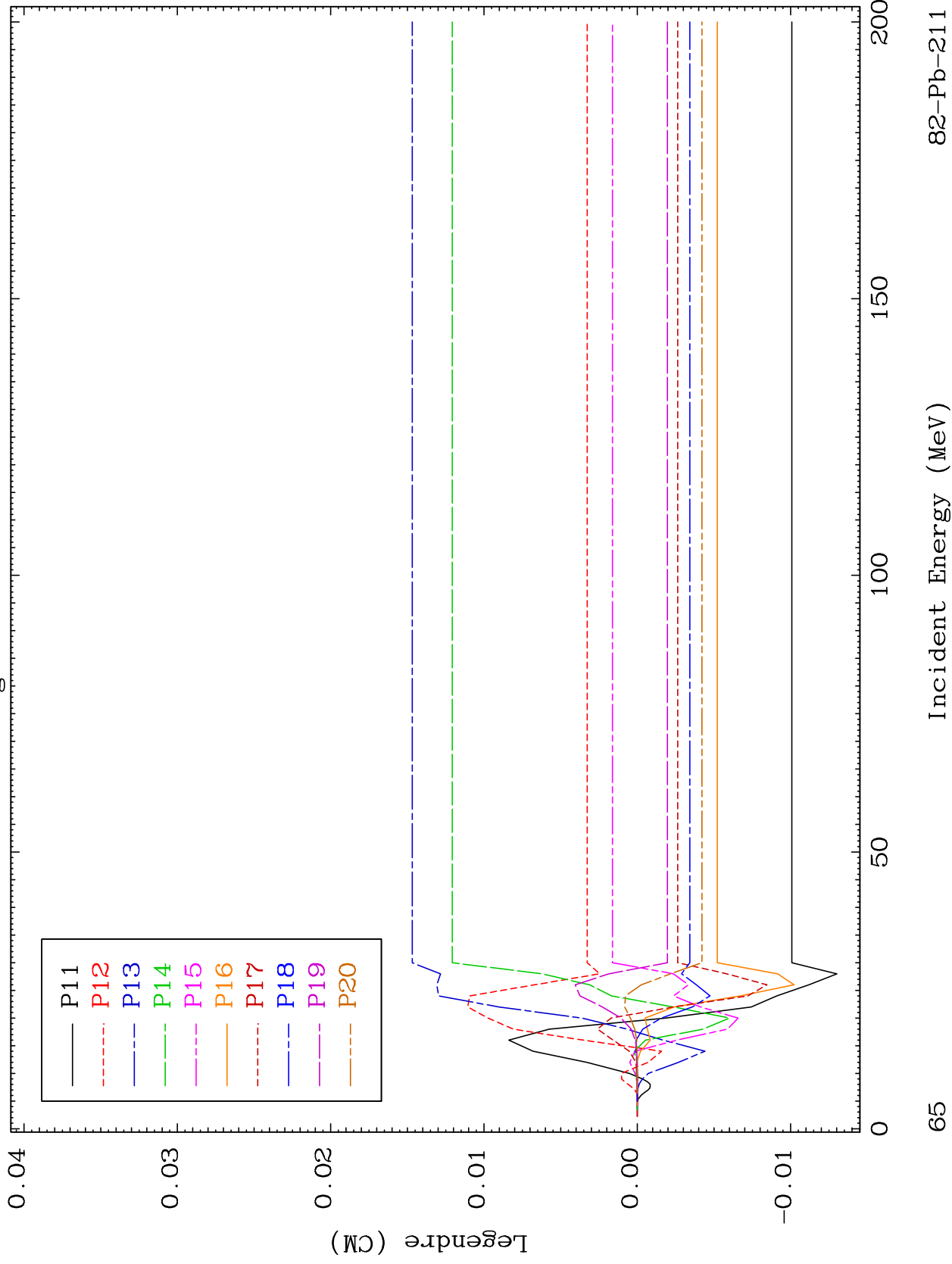




MAT 8246

1.412 MeV (n, n') Level  
Legendre Coefficients

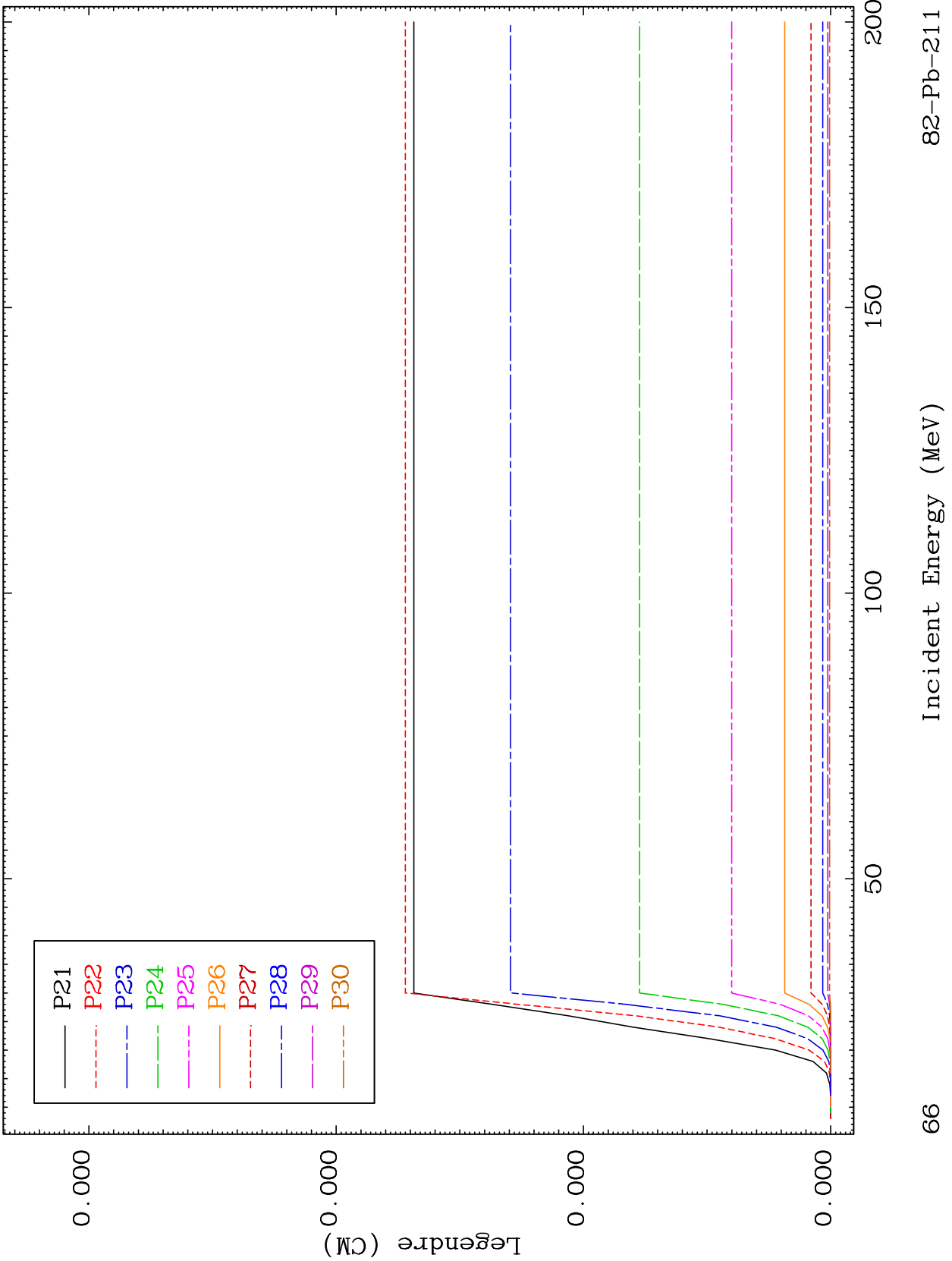
82-Pb-211

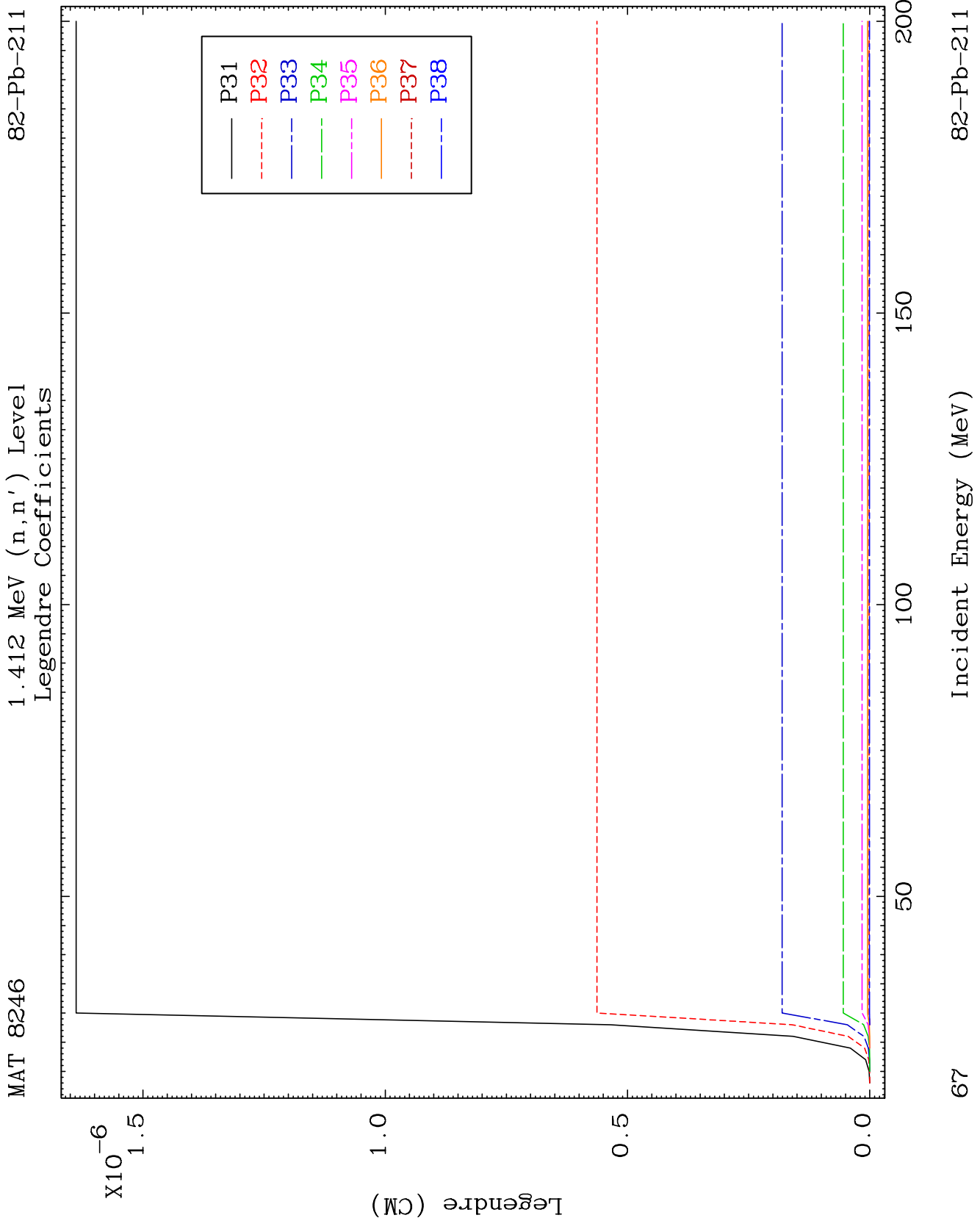


82-Pb-211

Incident Energy (MeV)

65

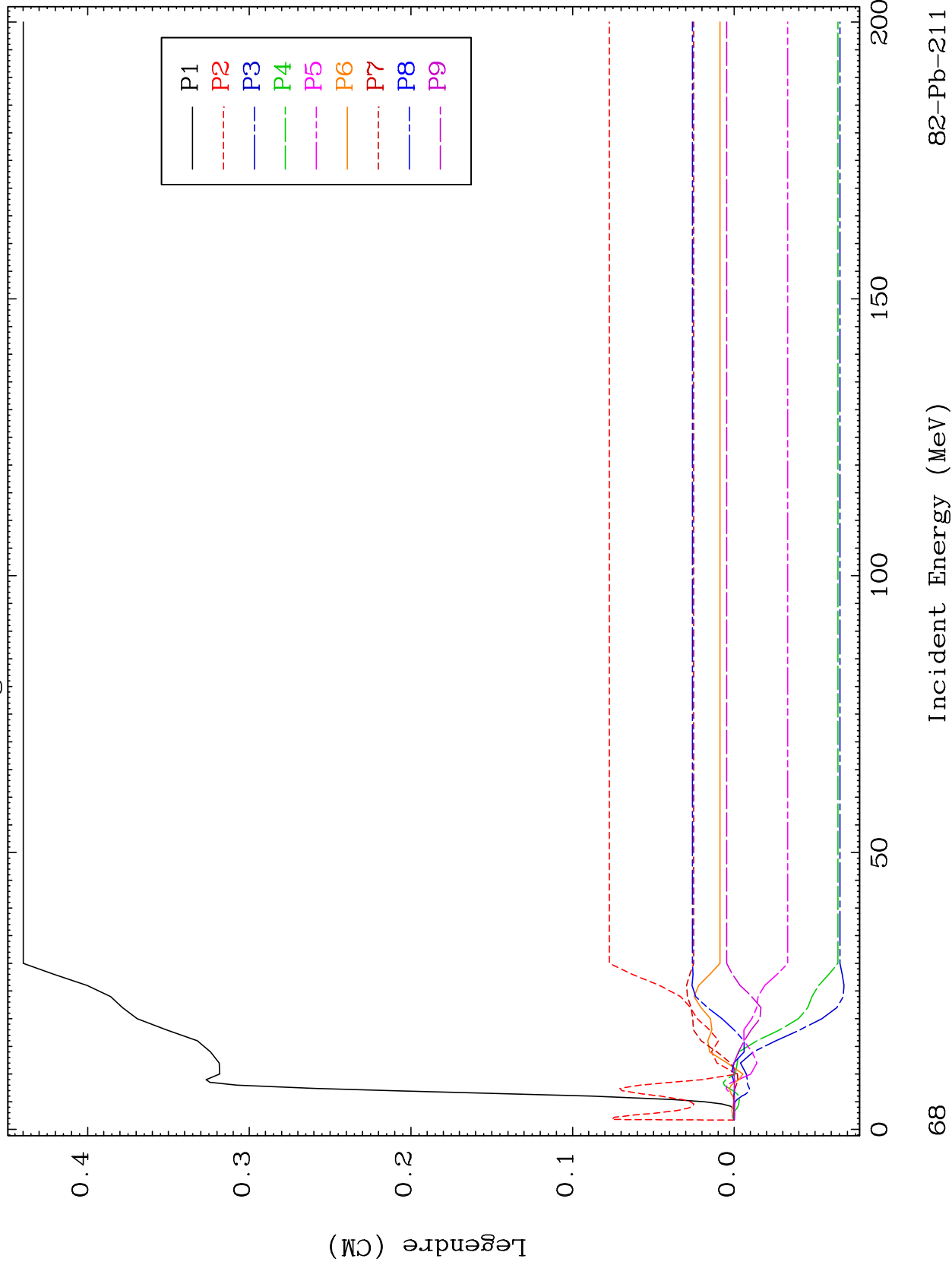


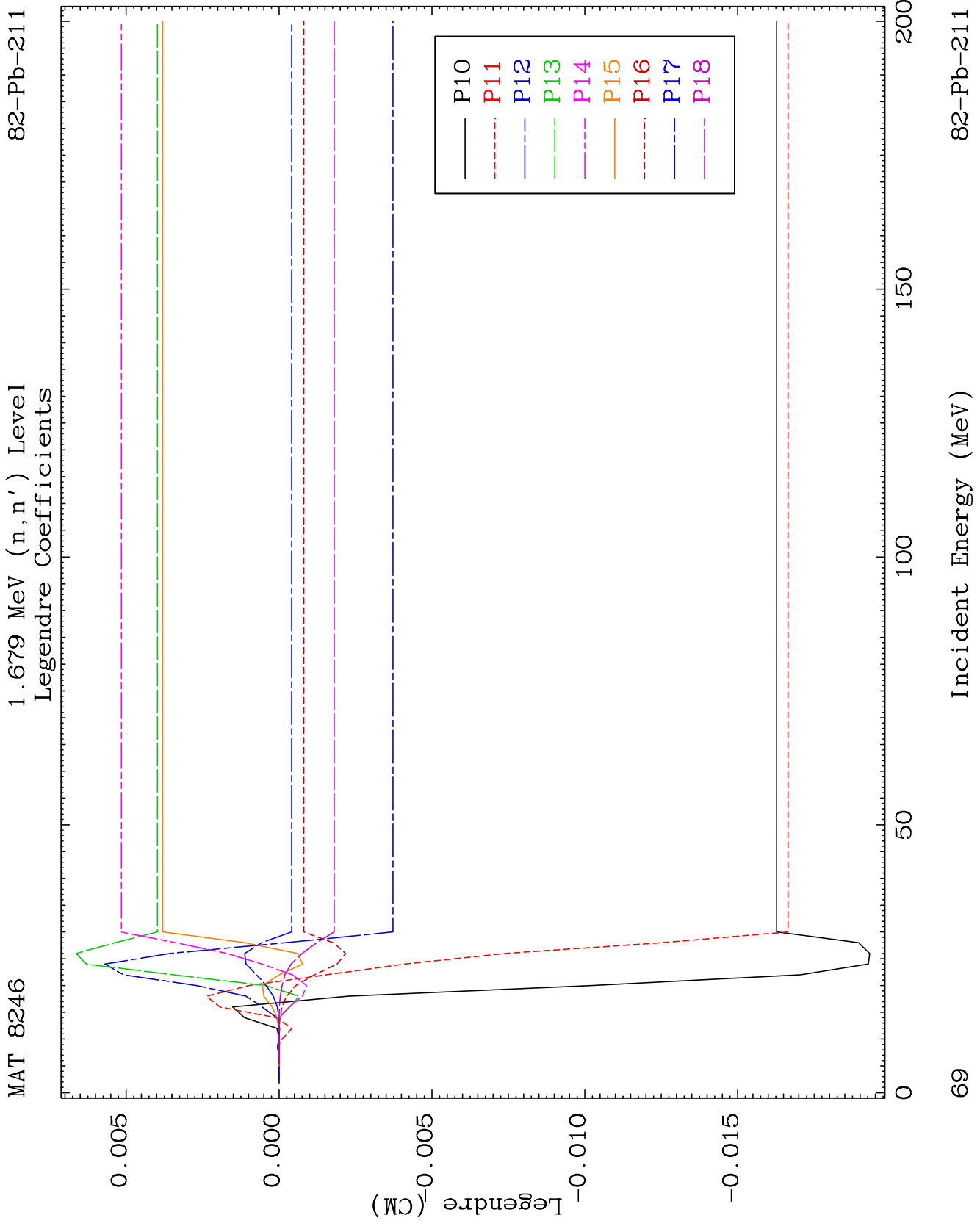


MAT 8246

1.679 MeV (n, n') Level  
Legendre Coefficients

82-Pb-211

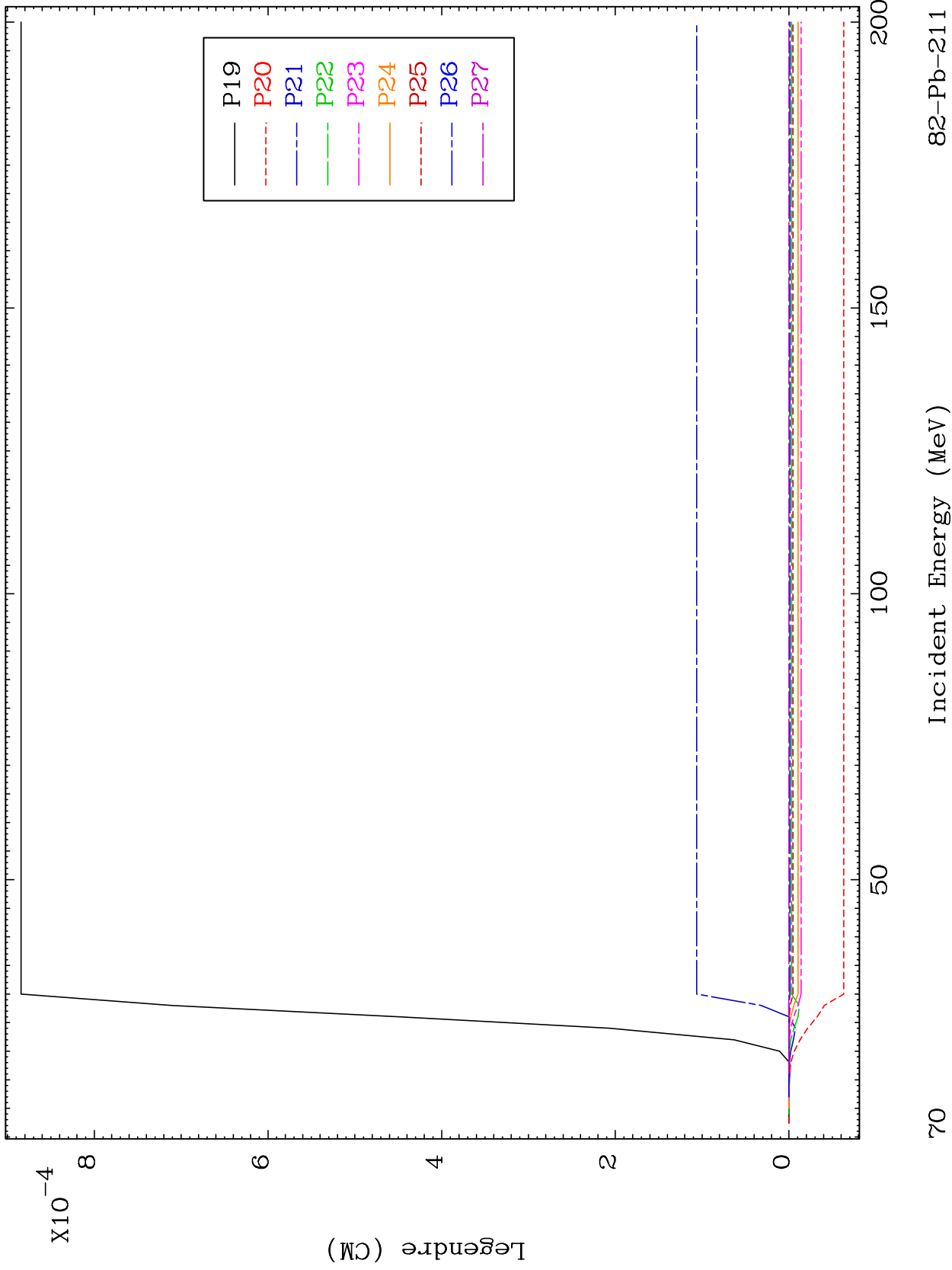


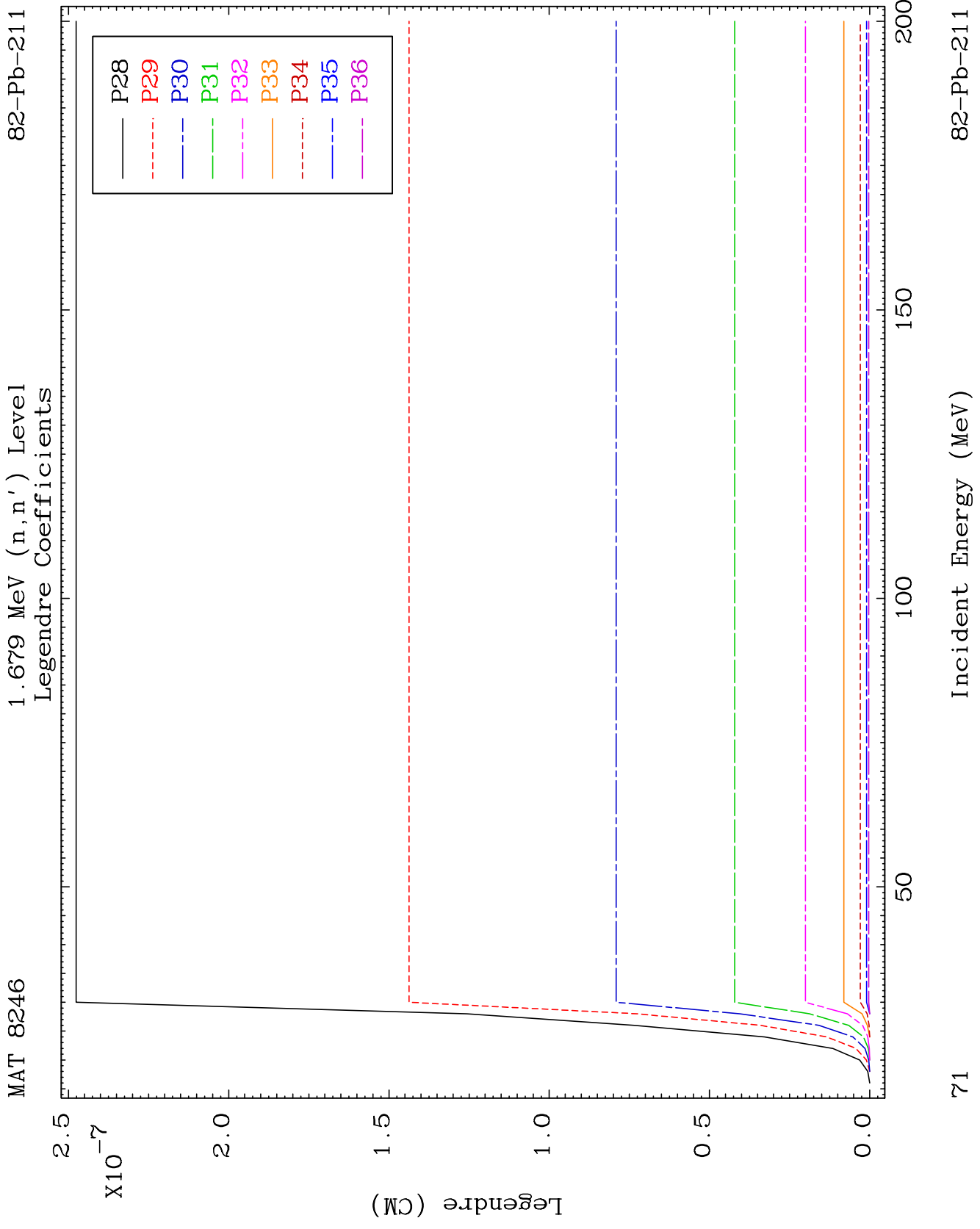


MAT 8246

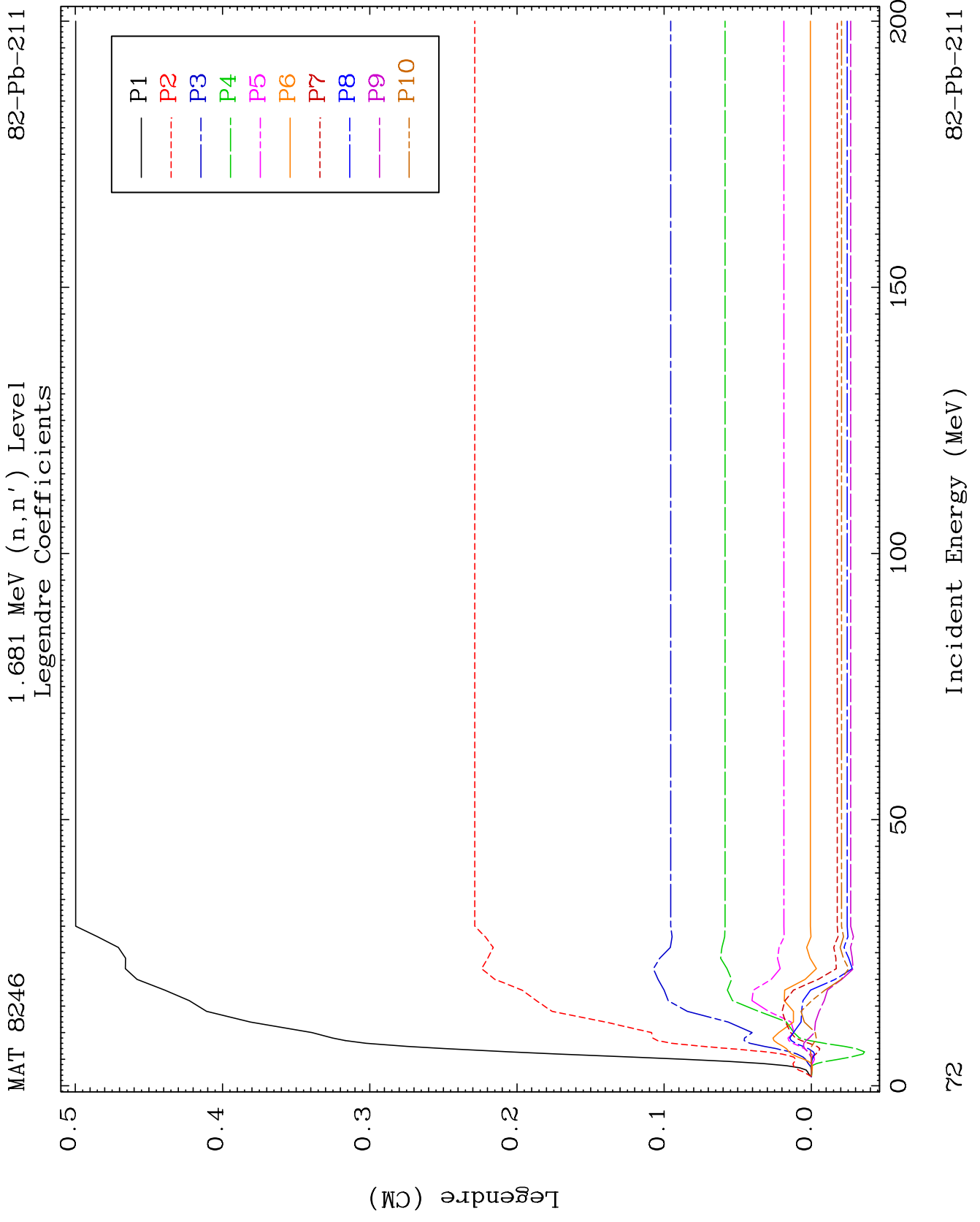
1.679 MeV (n,n') Level  
Legendre Coefficients

82-Pb-211





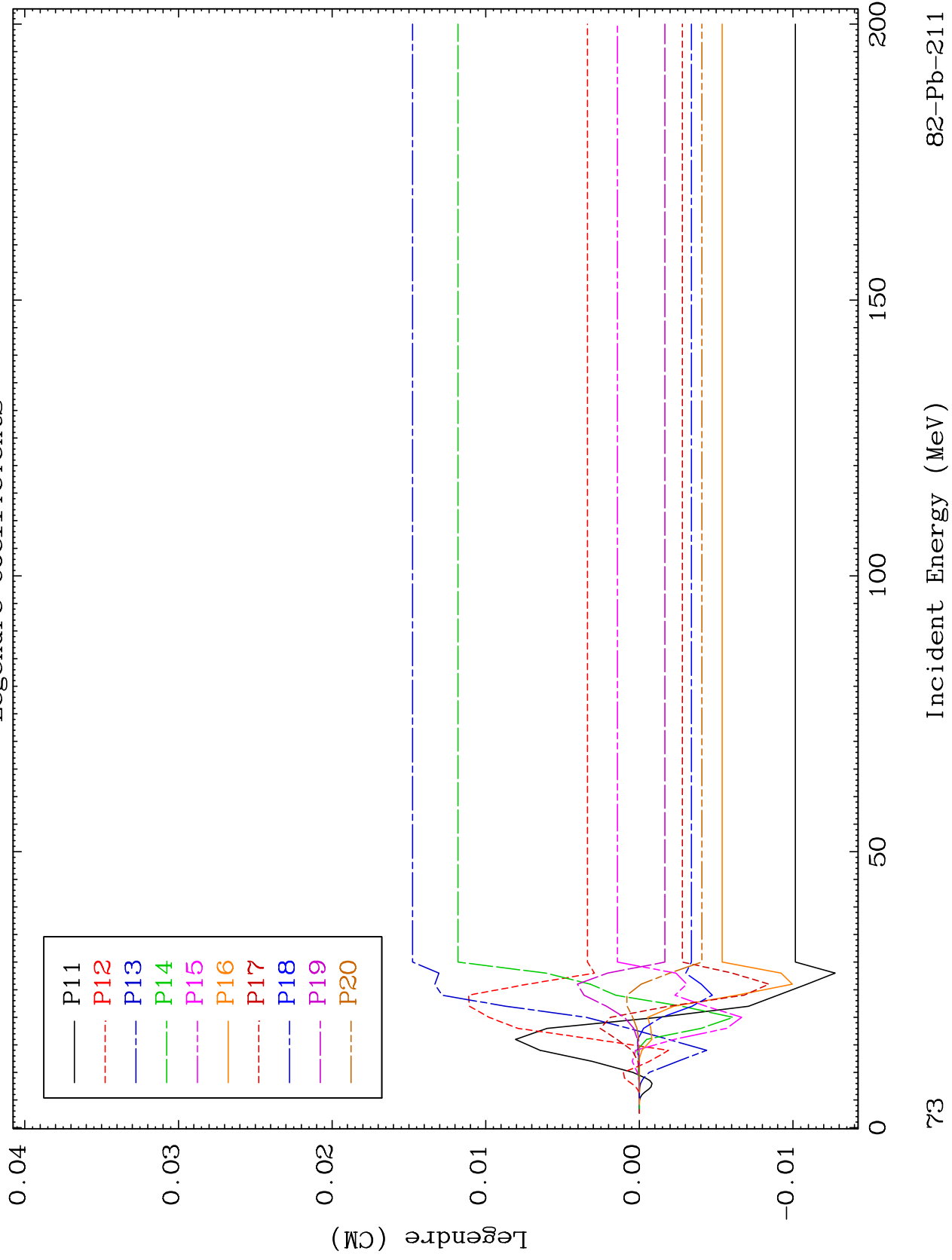




MAT 8246

1.681 MeV (n,n') Level  
Legendre Coefficients

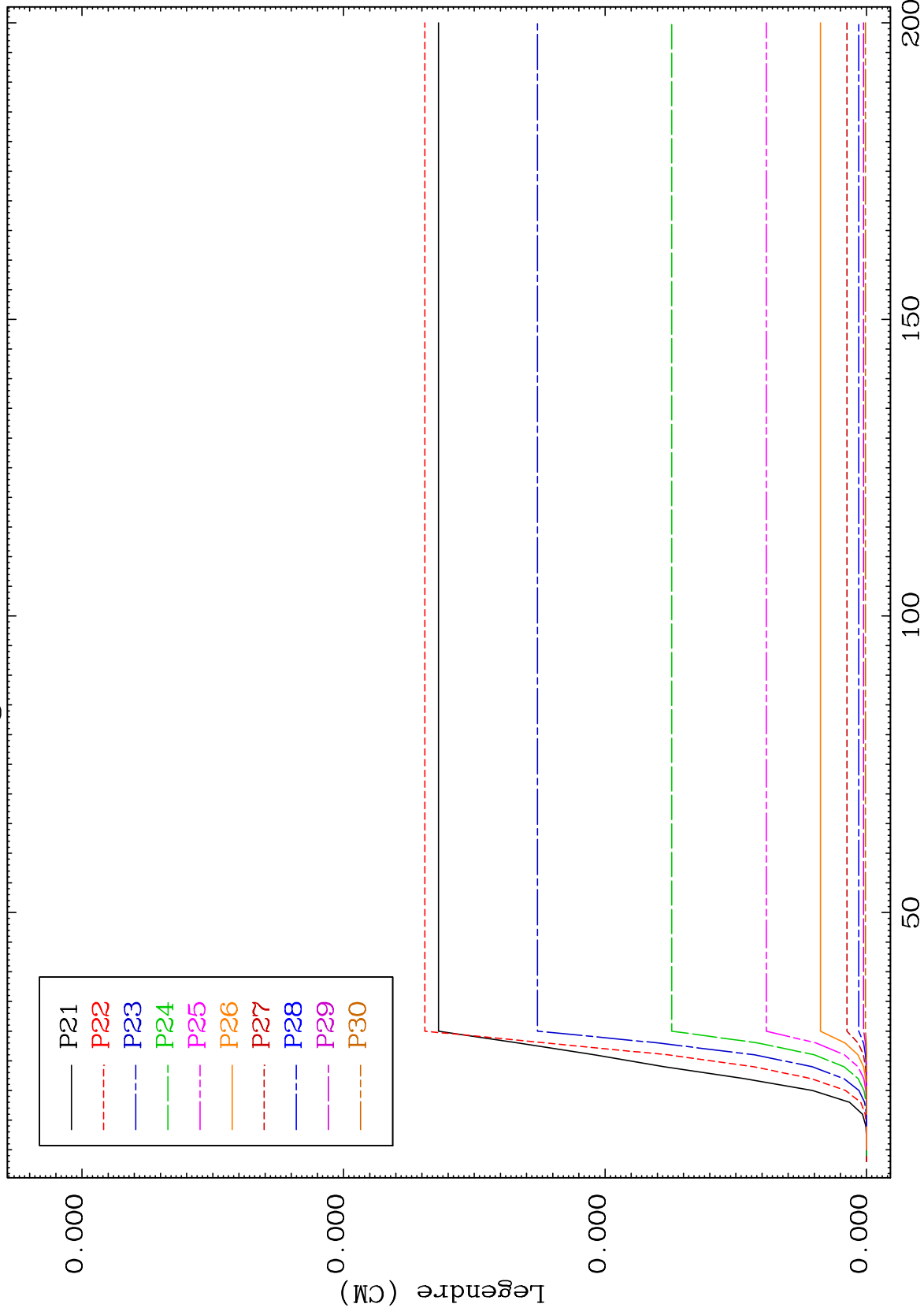
82-Pb-211



MAT 8246

1.681 MeV (n,n') Level  
Legendre Coefficients

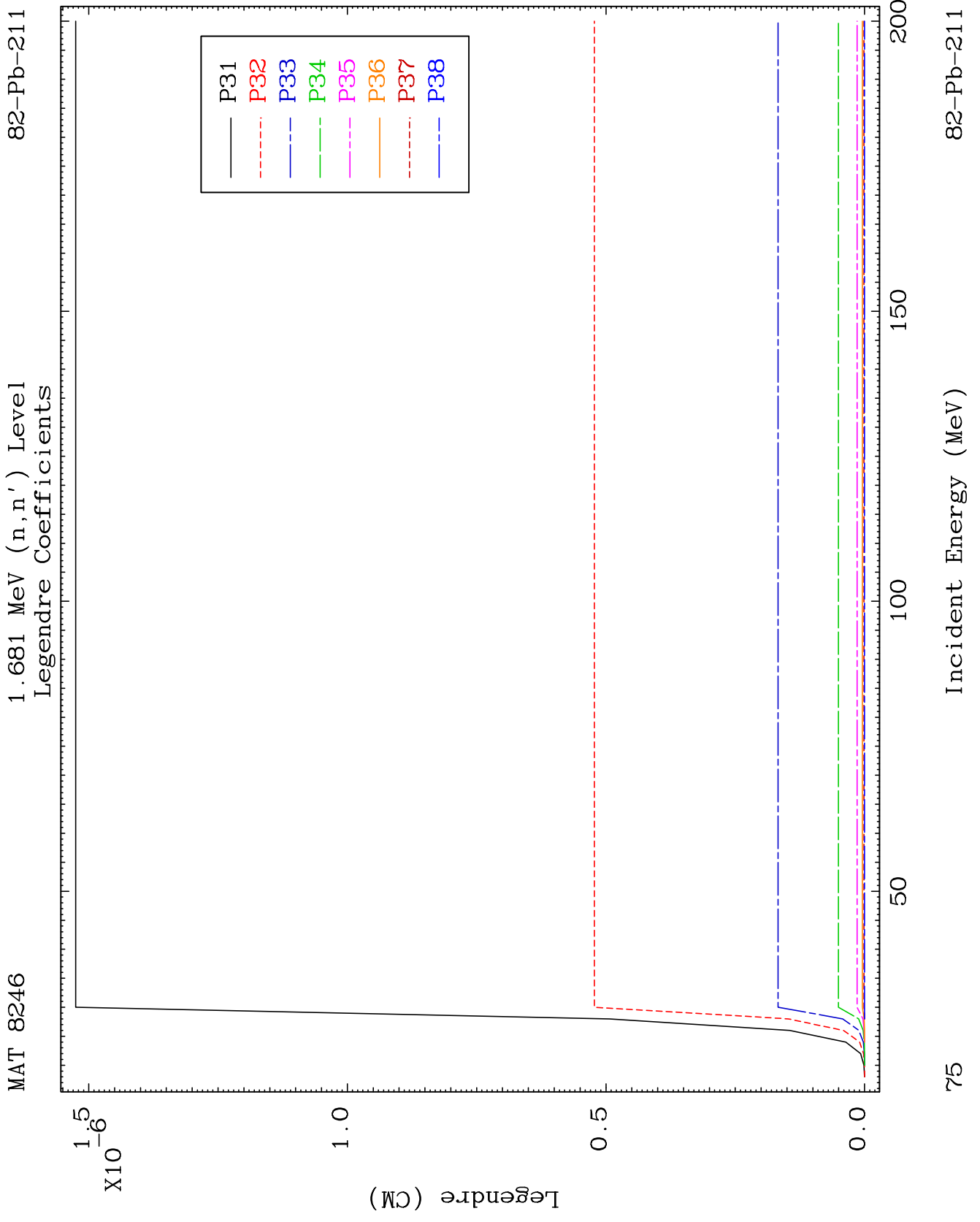
82-Pb-211

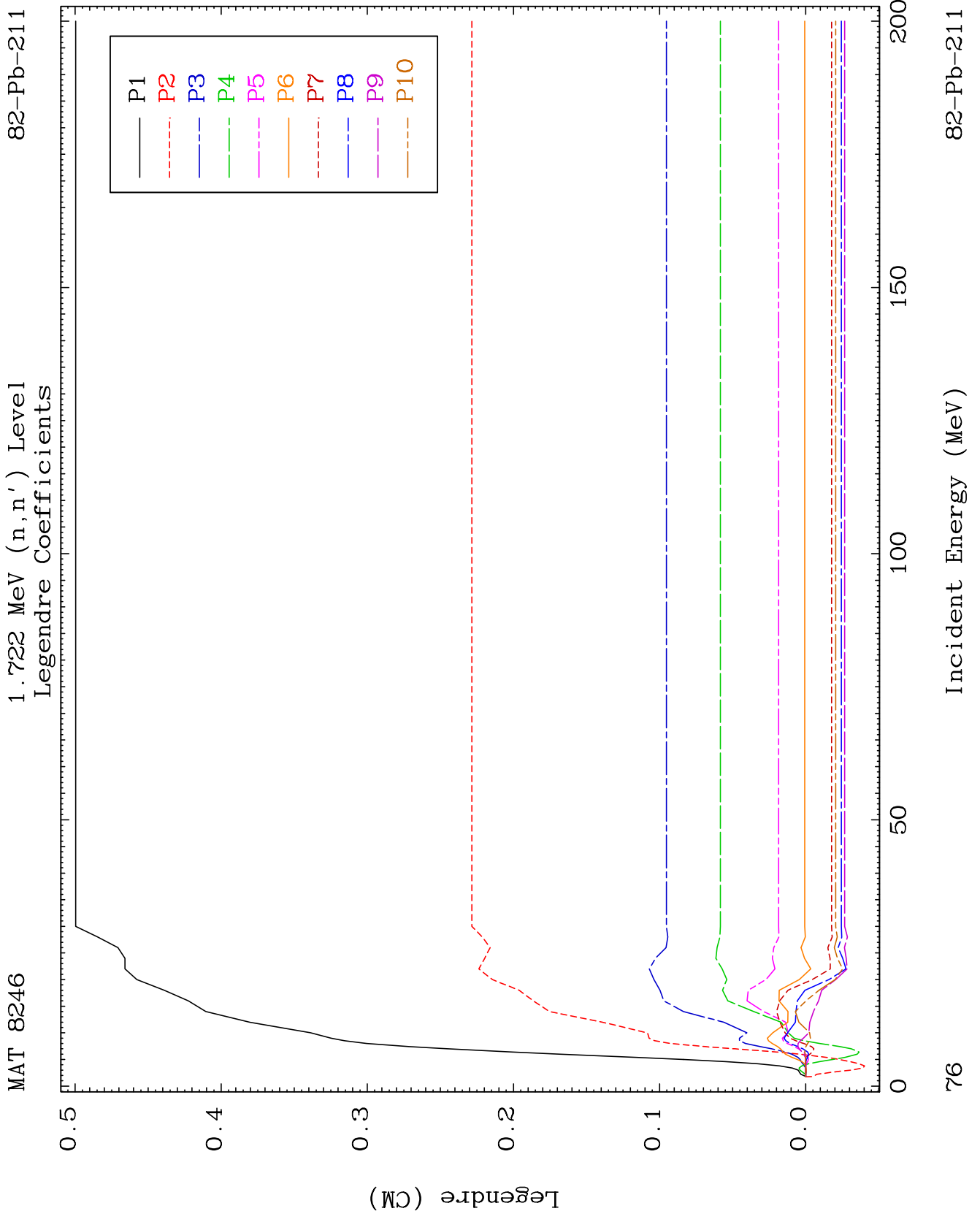


74

Incident Energy (MeV)

82-Pb-211

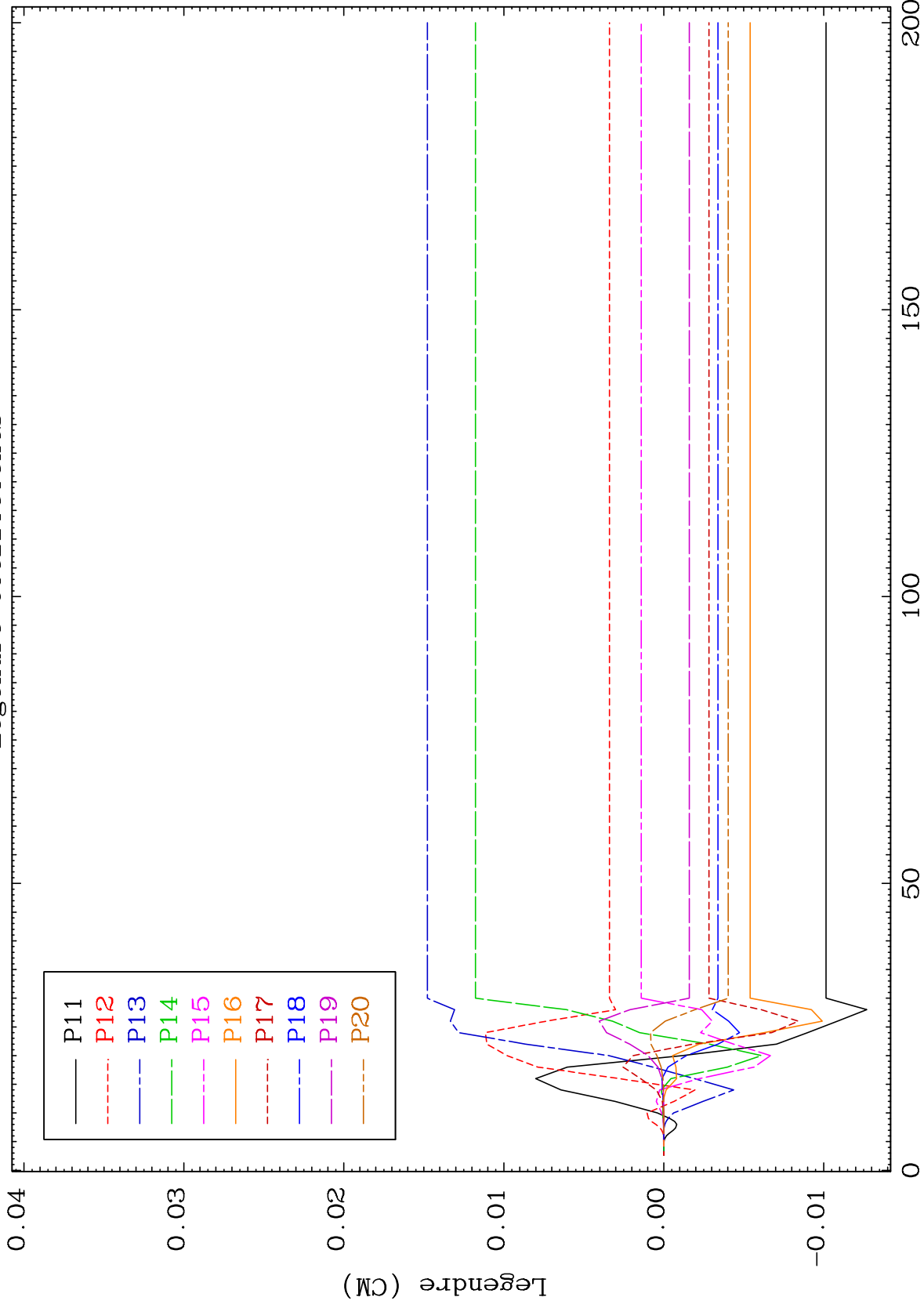




MAT 8246

1.722 MeV (n, n') Level  
Legendre Coefficients

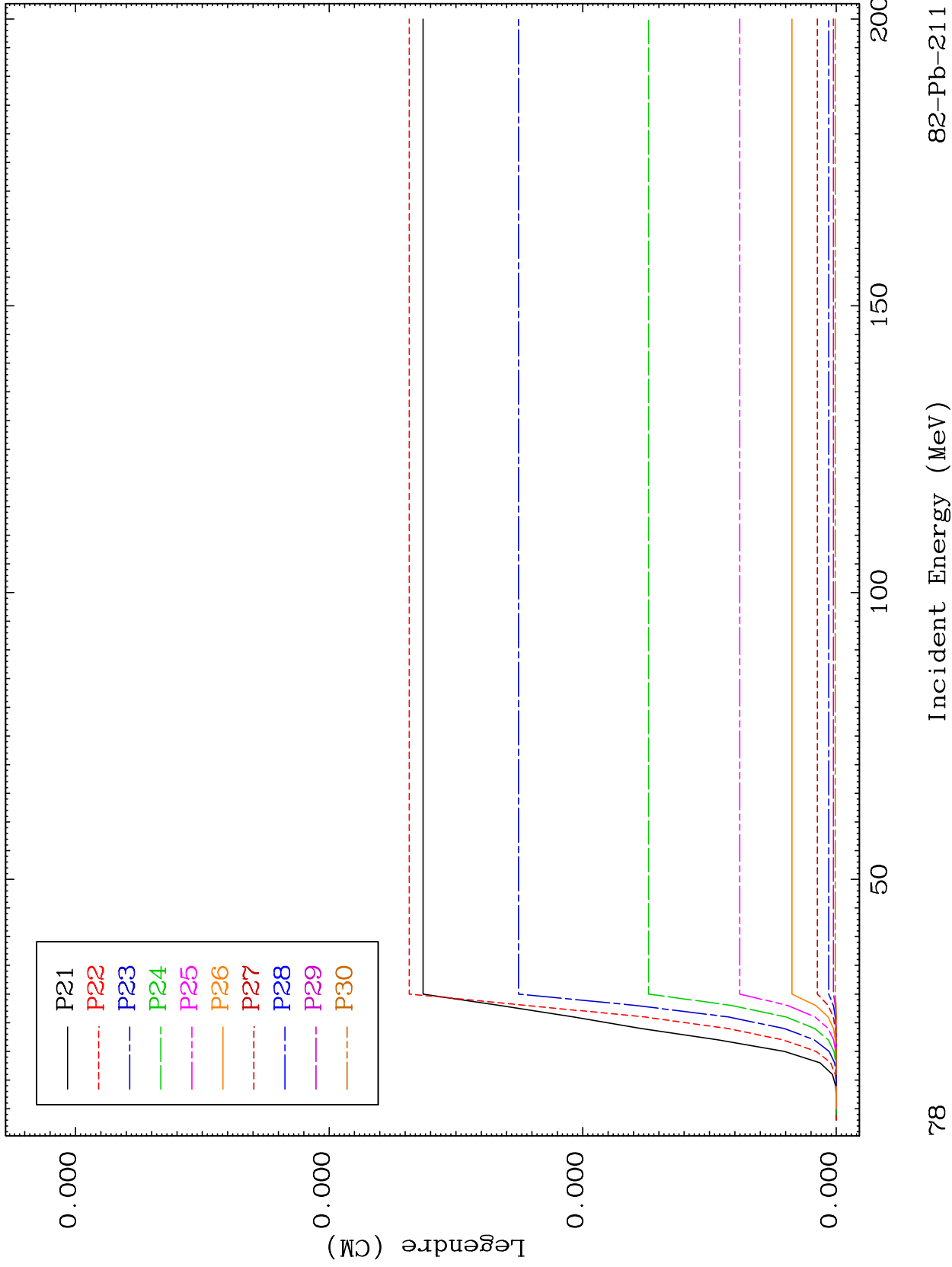
82-Pb-211



MAT 8246

1.722 MeV (n,n') Level  
Legendre Coefficients

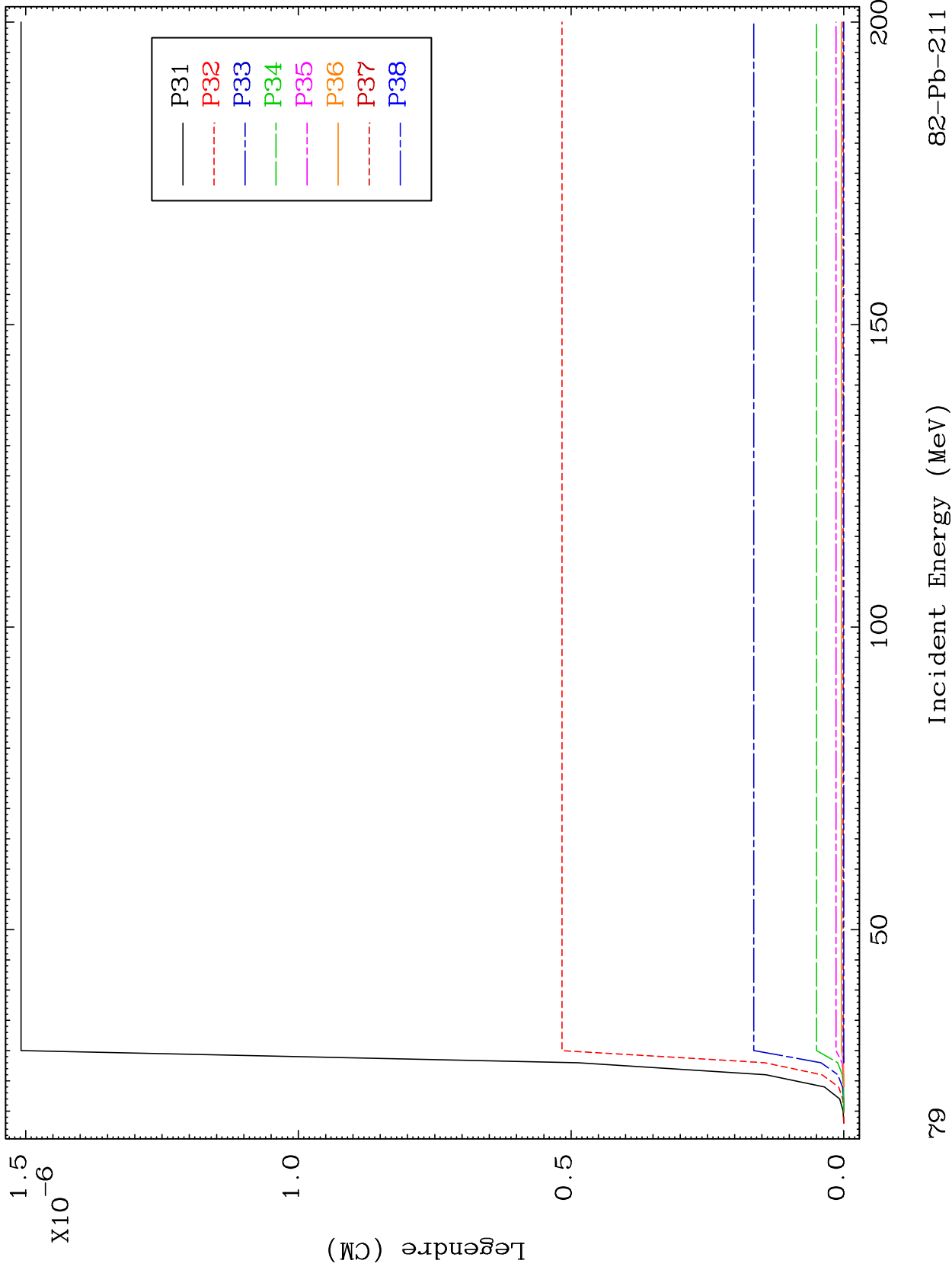
82-Pb-211



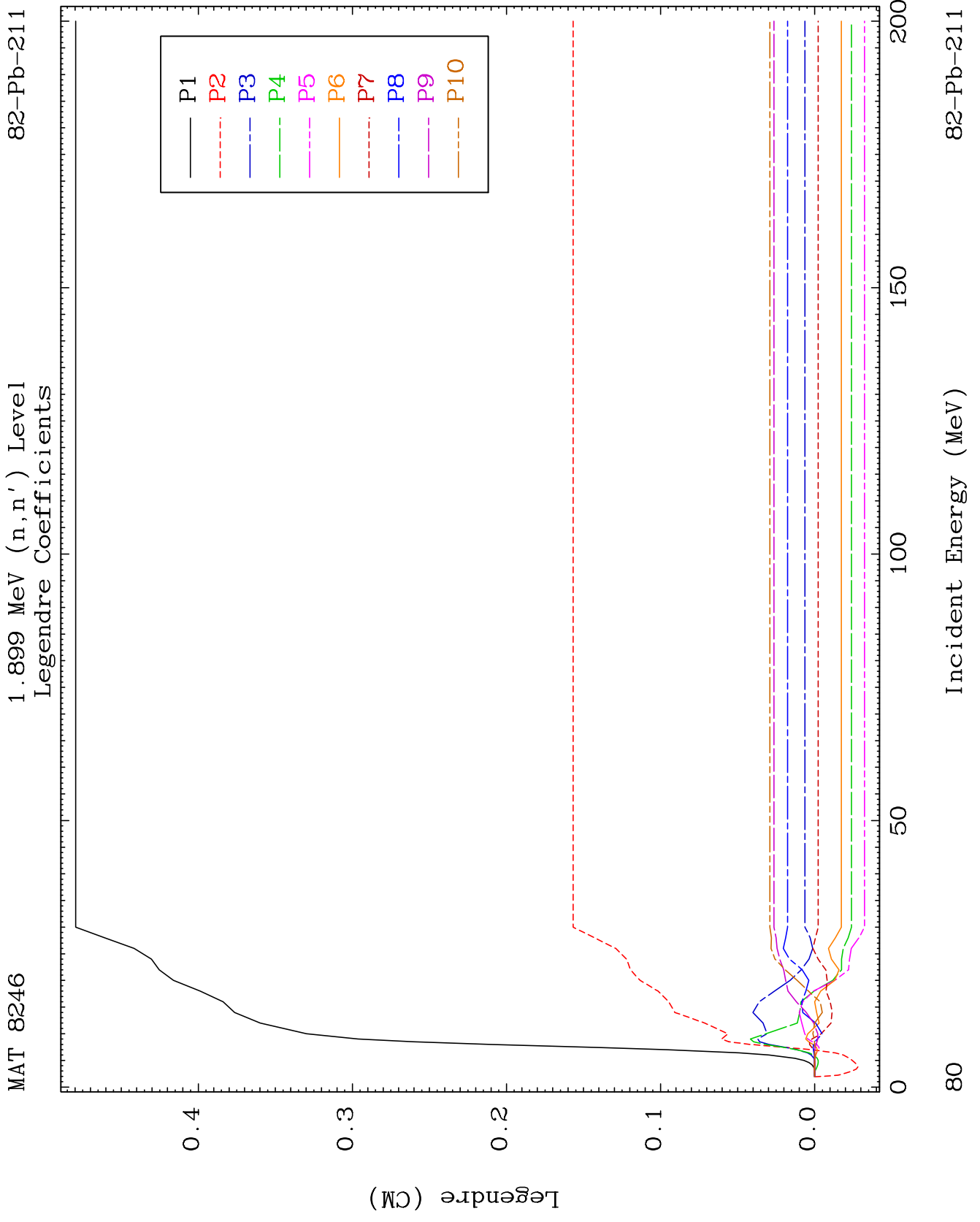
MAT 8246

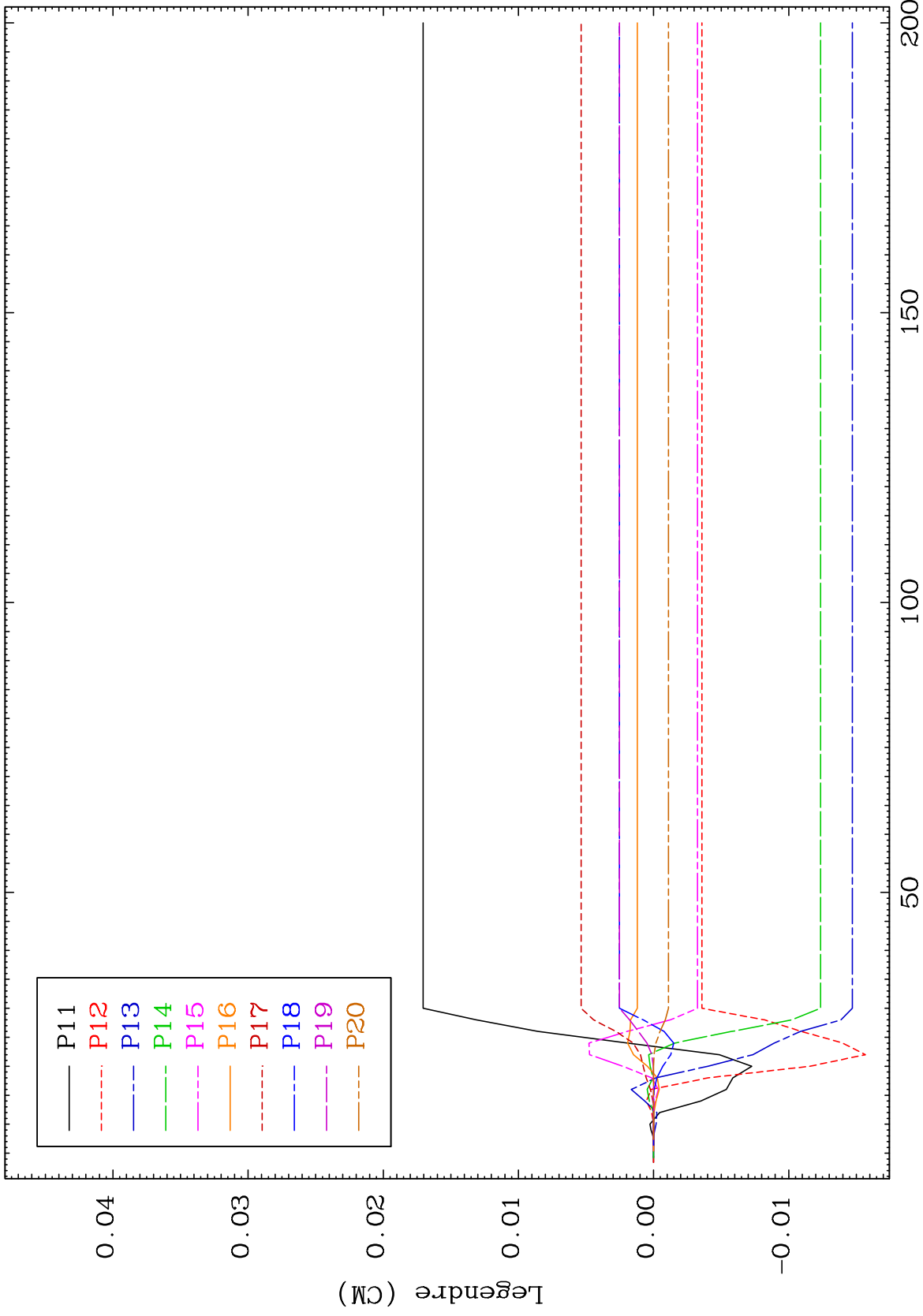
1.722 MeV (n,n') Level  
Legendre Coefficients

82-Pb-211





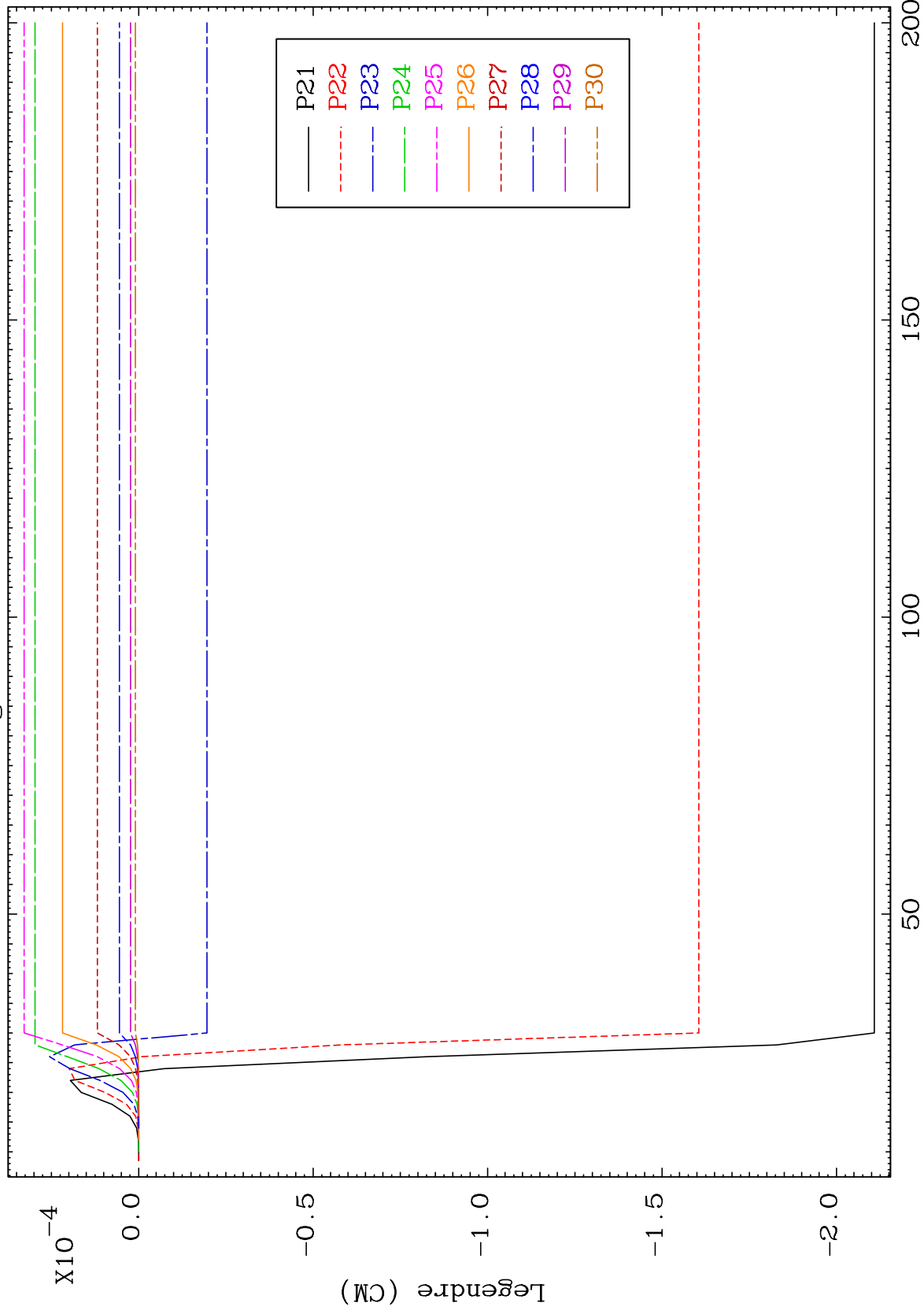




MAT 8246

1.899 MeV (n, n') Level  
Legendre Coefficients

82-Pb-211



82

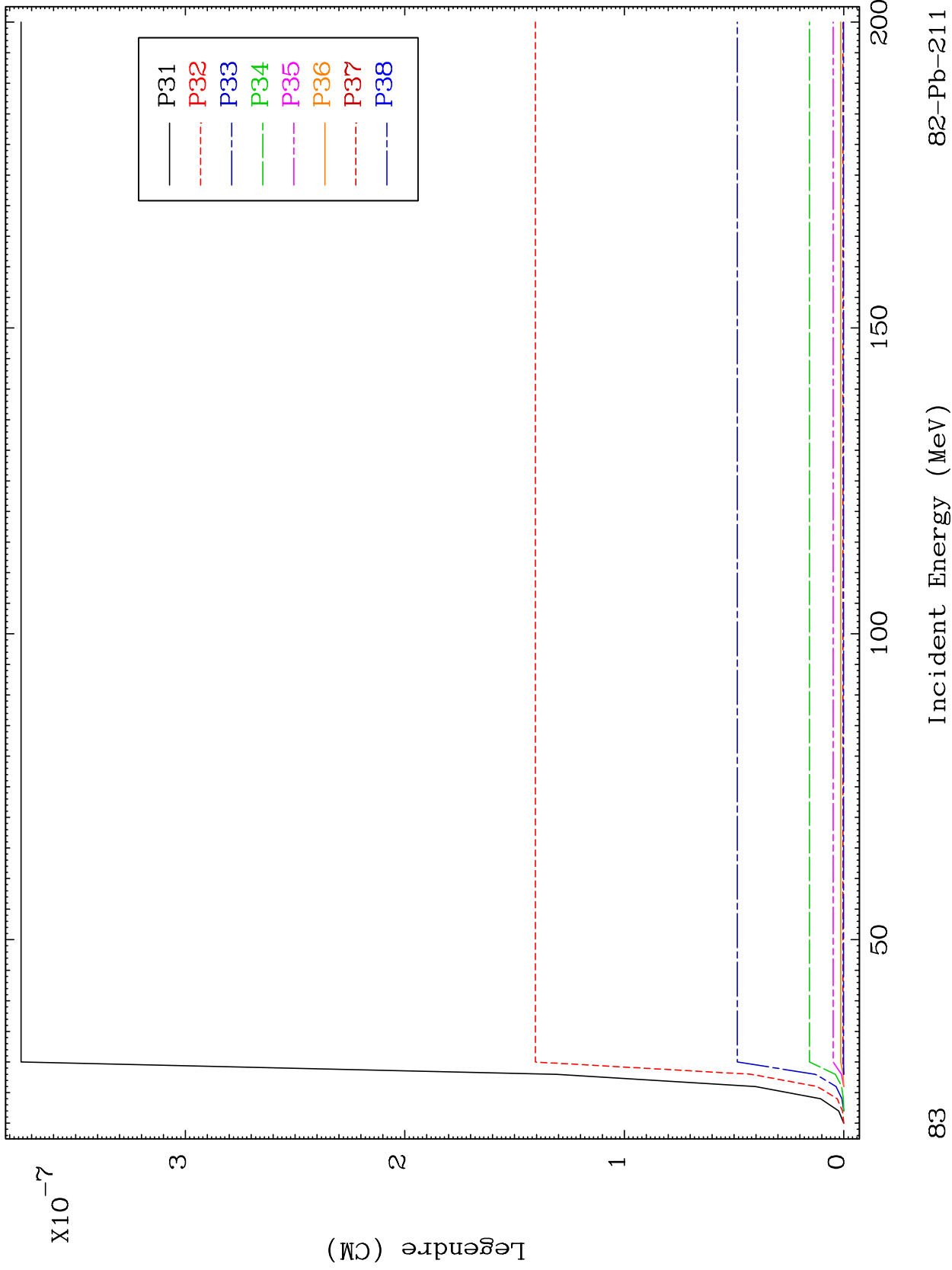
Incident Energy (MeV)

82-Pb-211

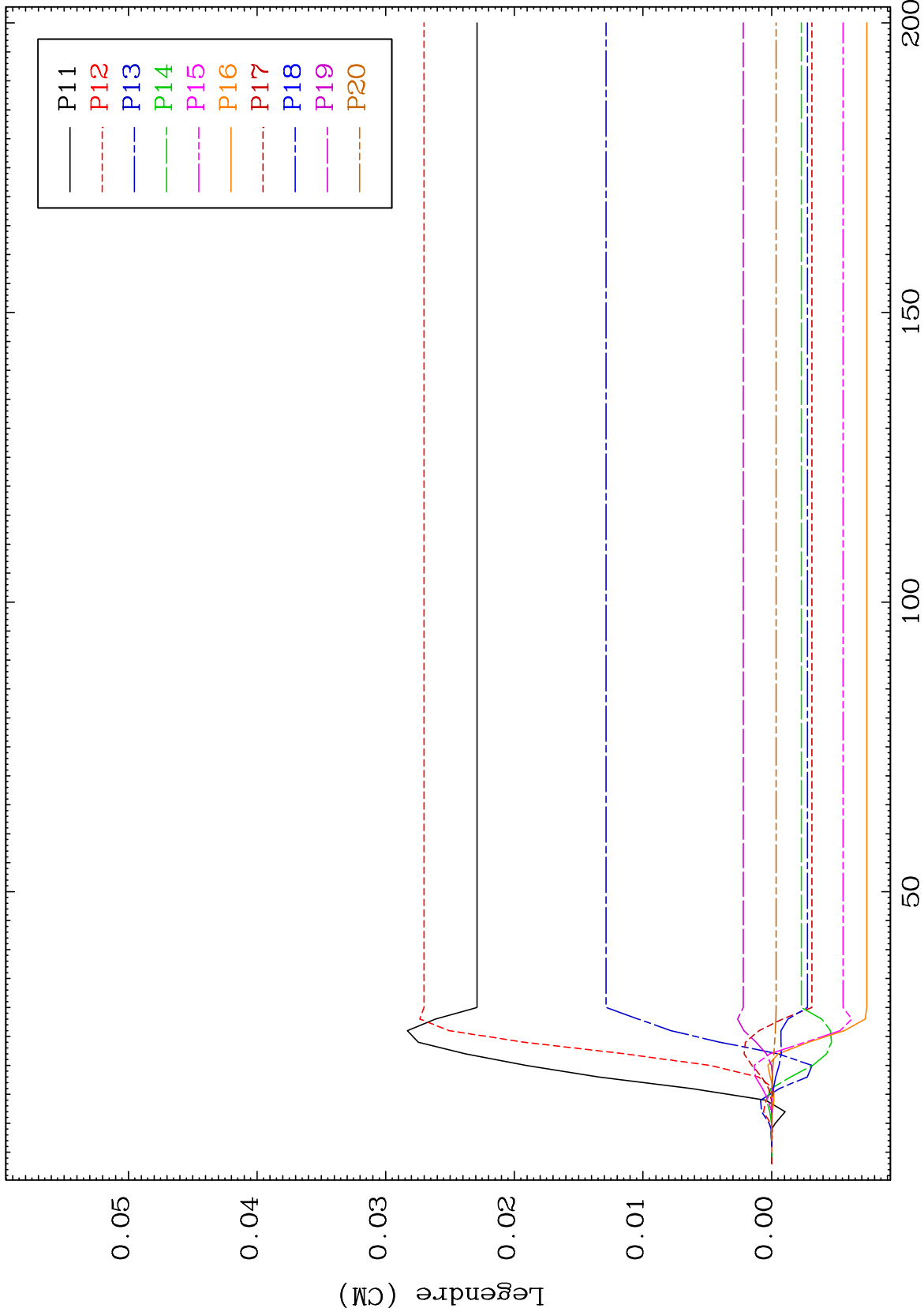
MAT 8246

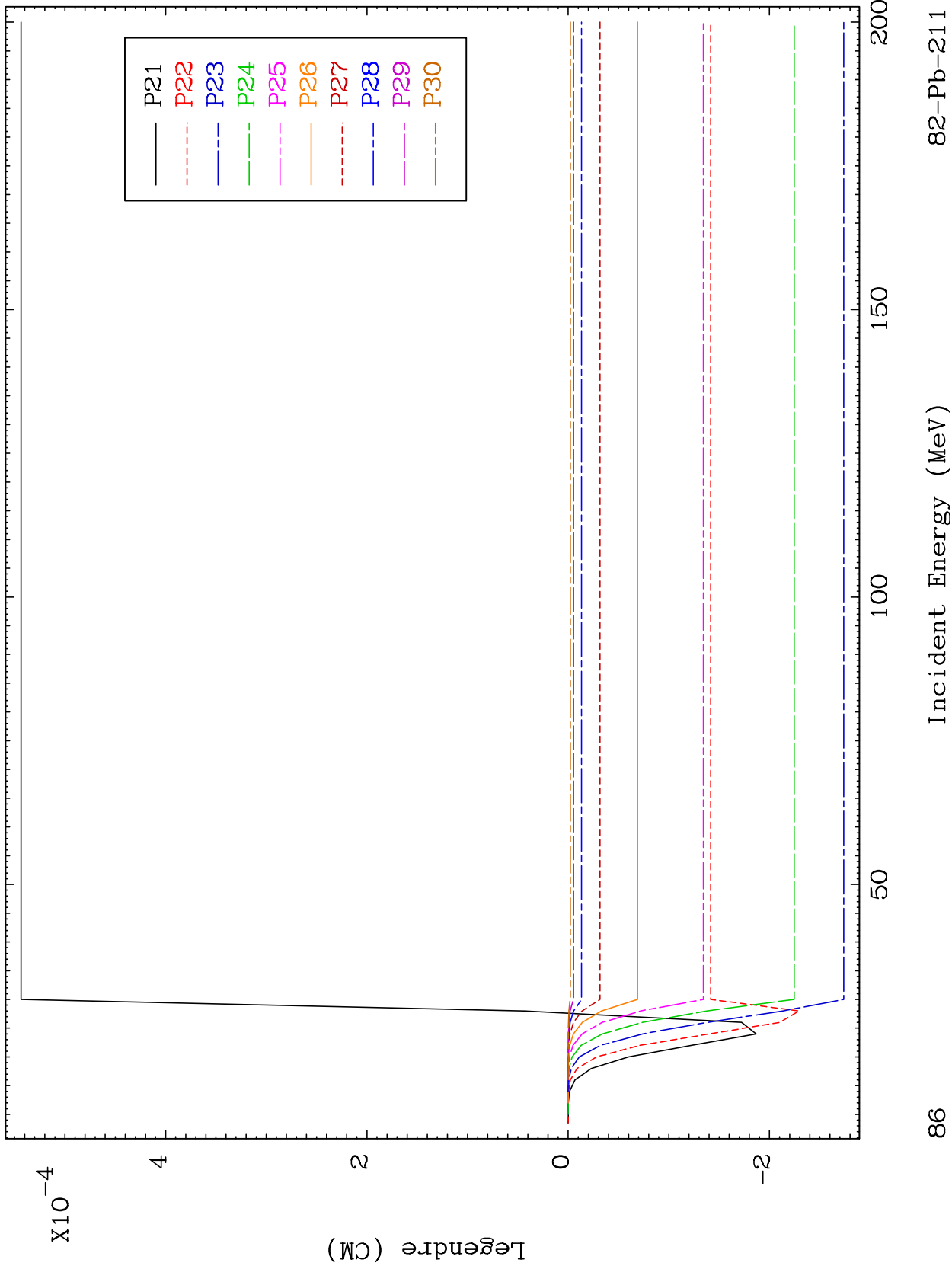
1.899 MeV (n,n') Level  
Legendre Coefficients

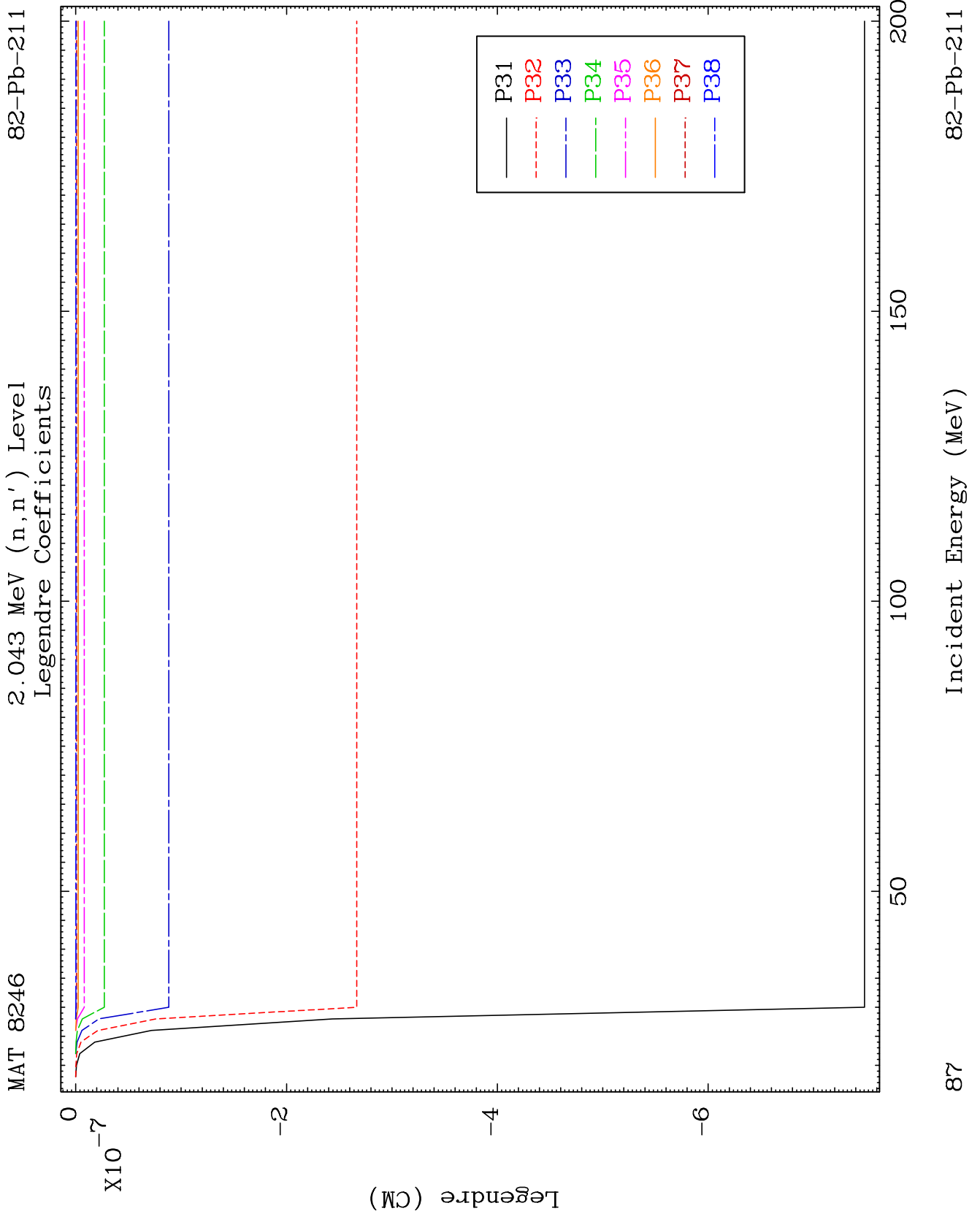
82-Pb-211









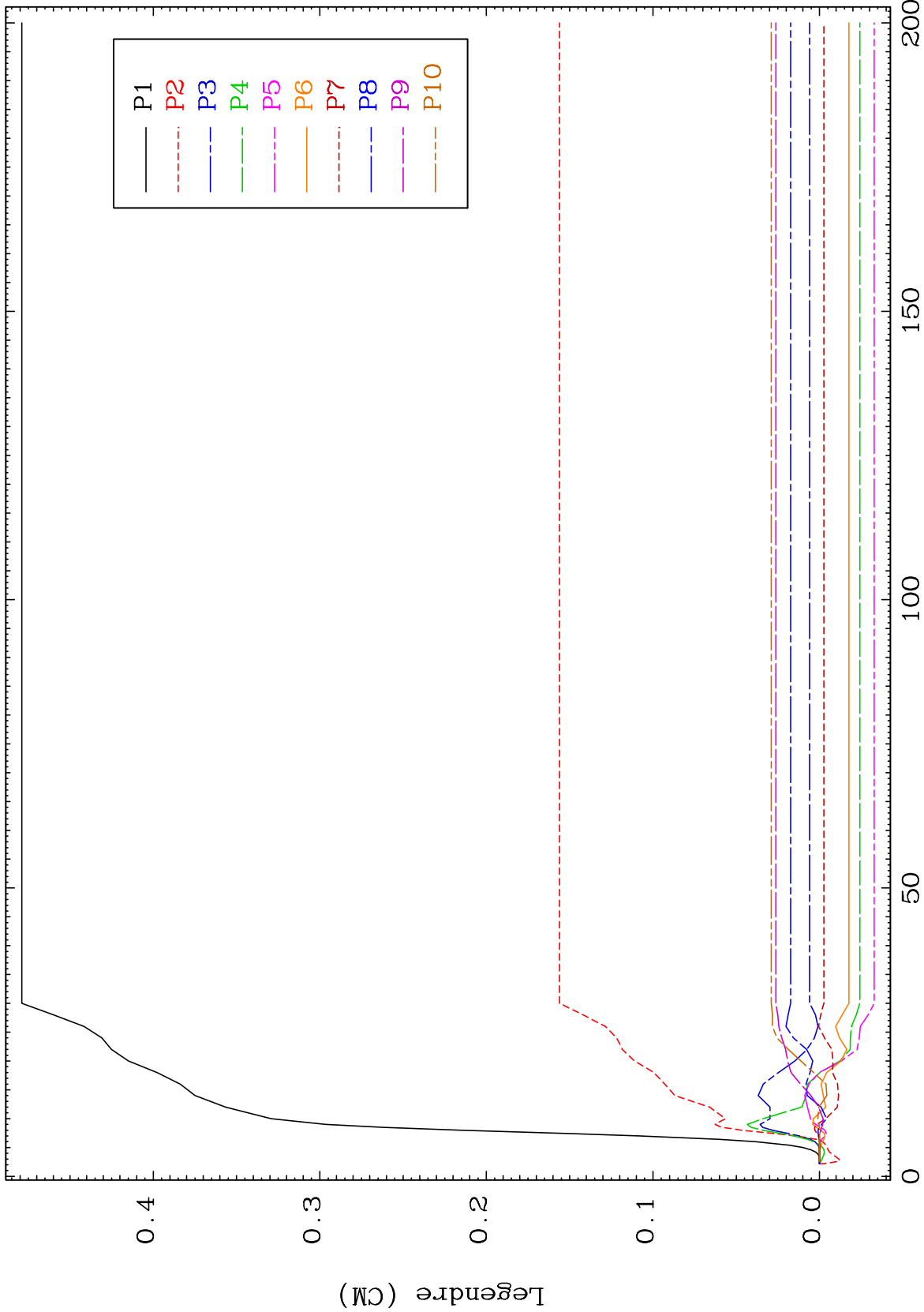




MAT 8246

2.160 MeV (n,n') Level  
Legendre Coefficients

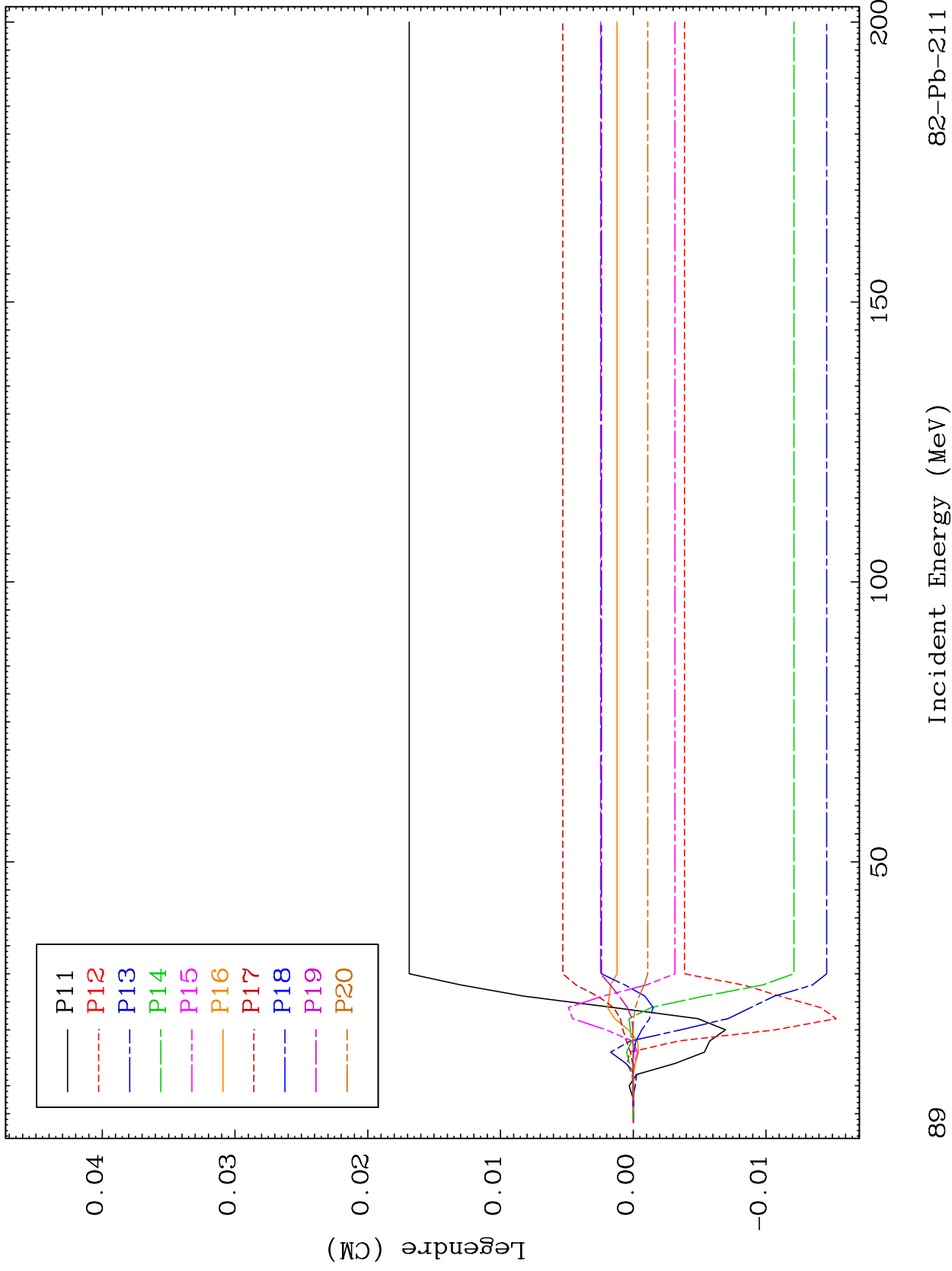
82-Pb-211



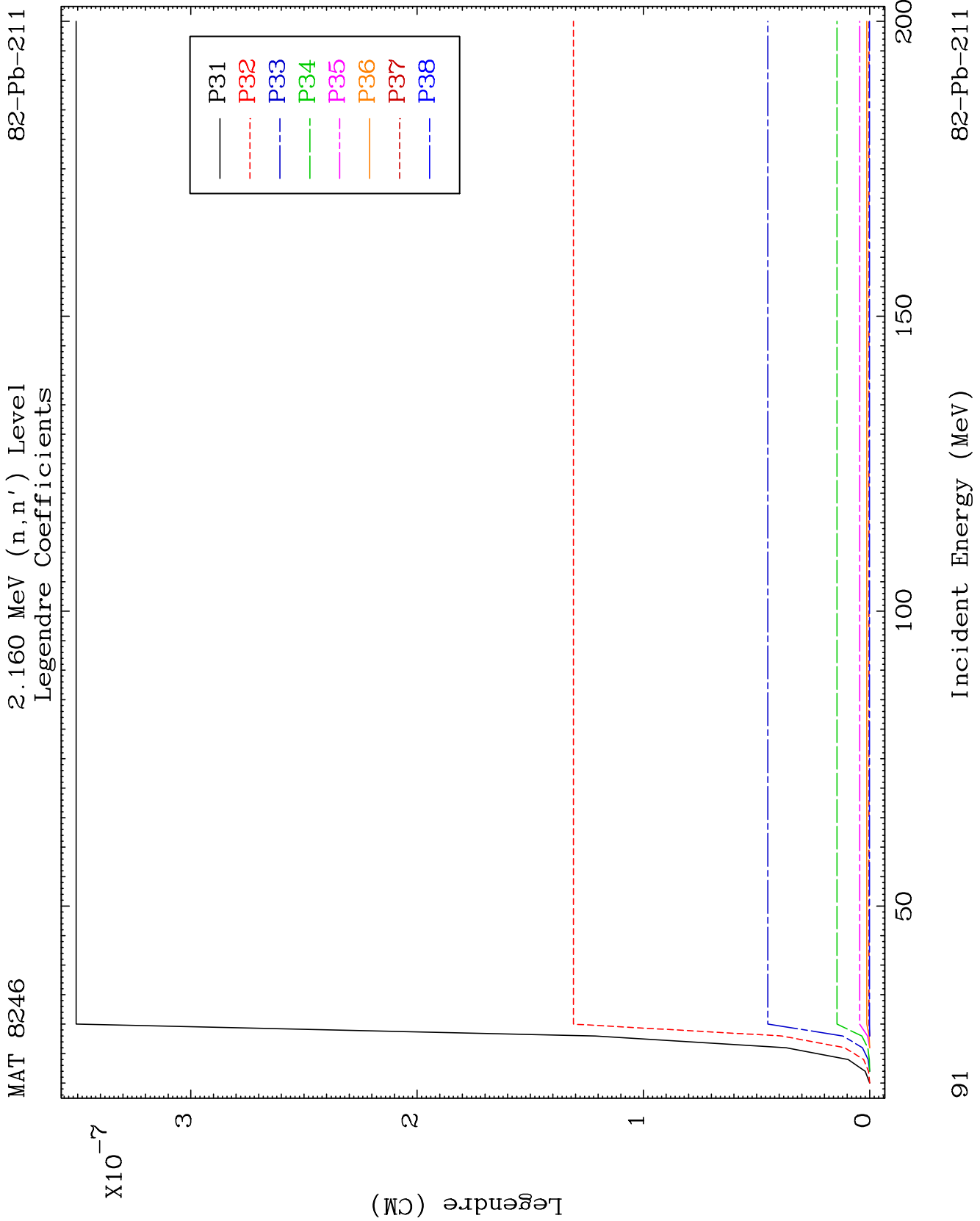
88

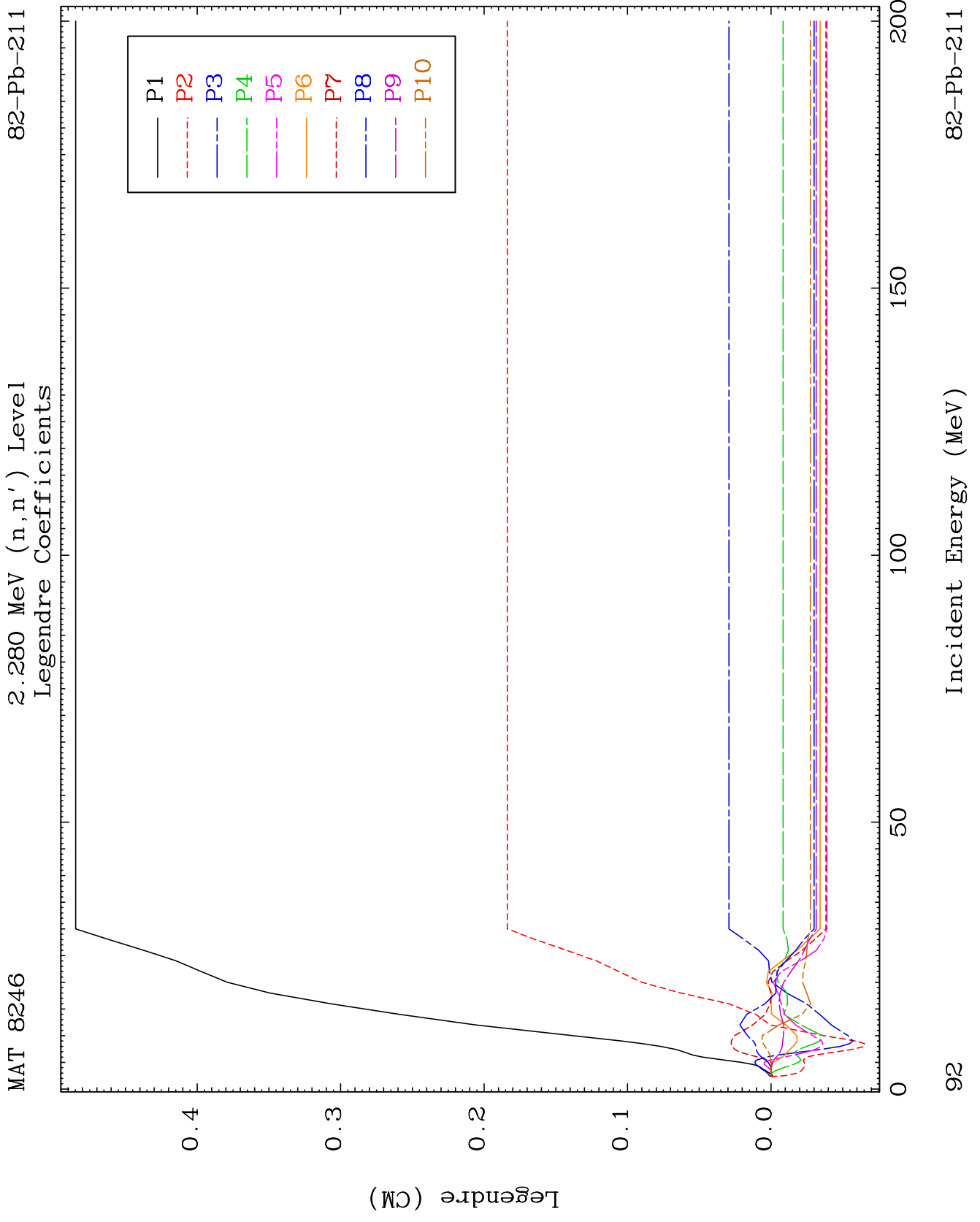
Incident Energy (MeV)

82-Pb-211





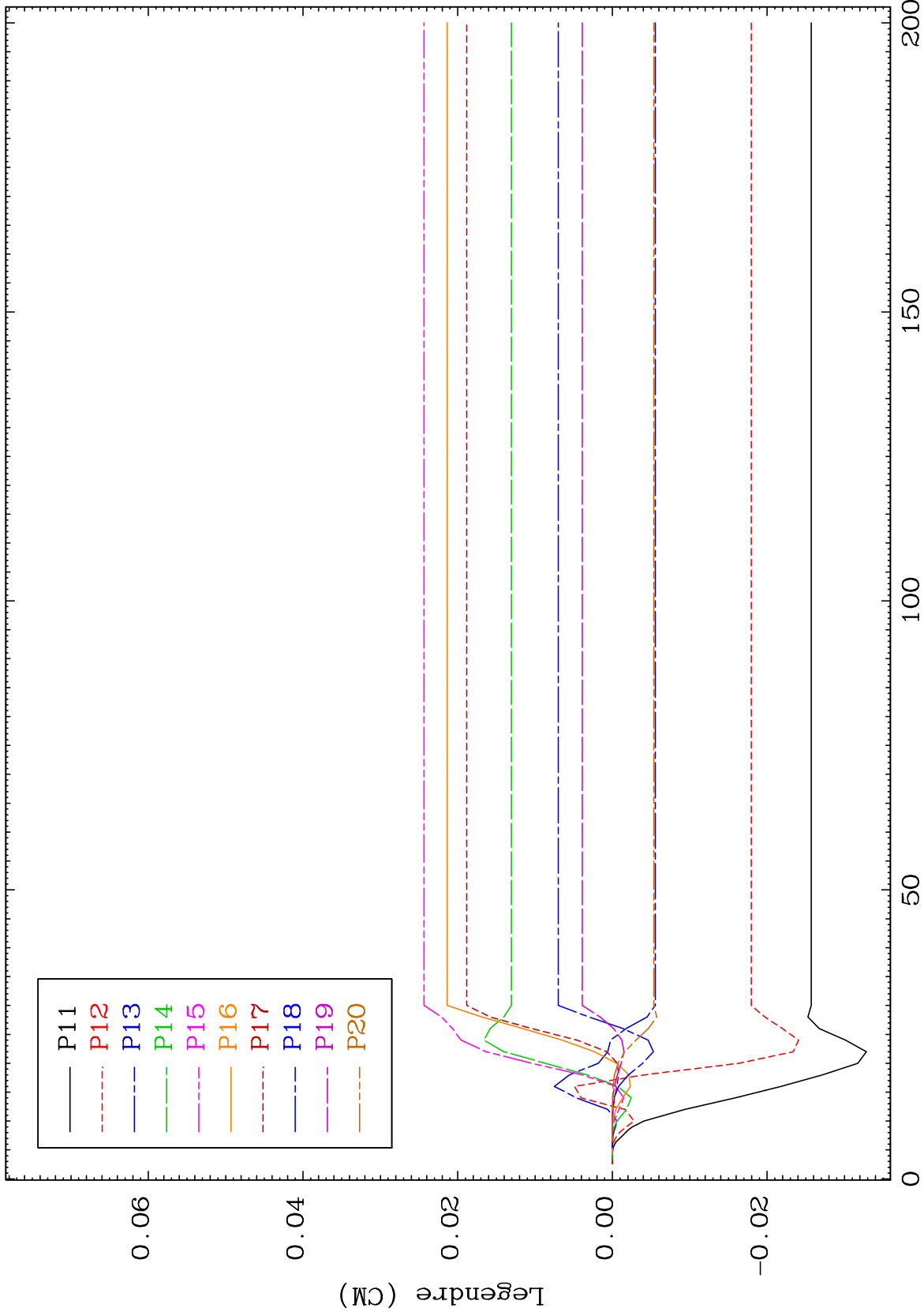




MAT 8246

2.280 MeV (n,n') Level  
Legendre Coefficients

82-Pb-211



93

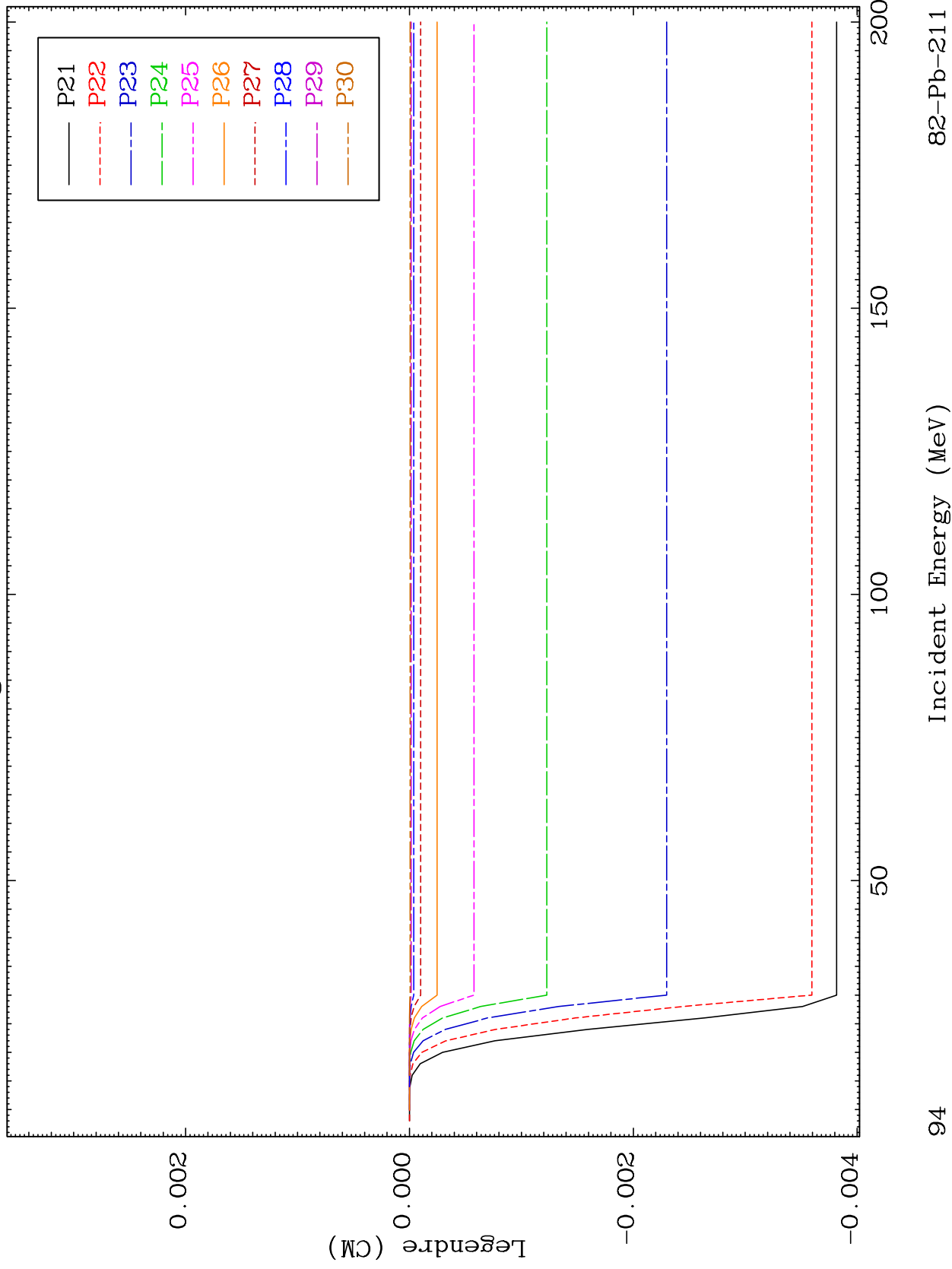
Incident Energy (MeV)

82-Pb-211

MAT 8246

2.280 MeV (n,n') Level  
Legendre Coefficients

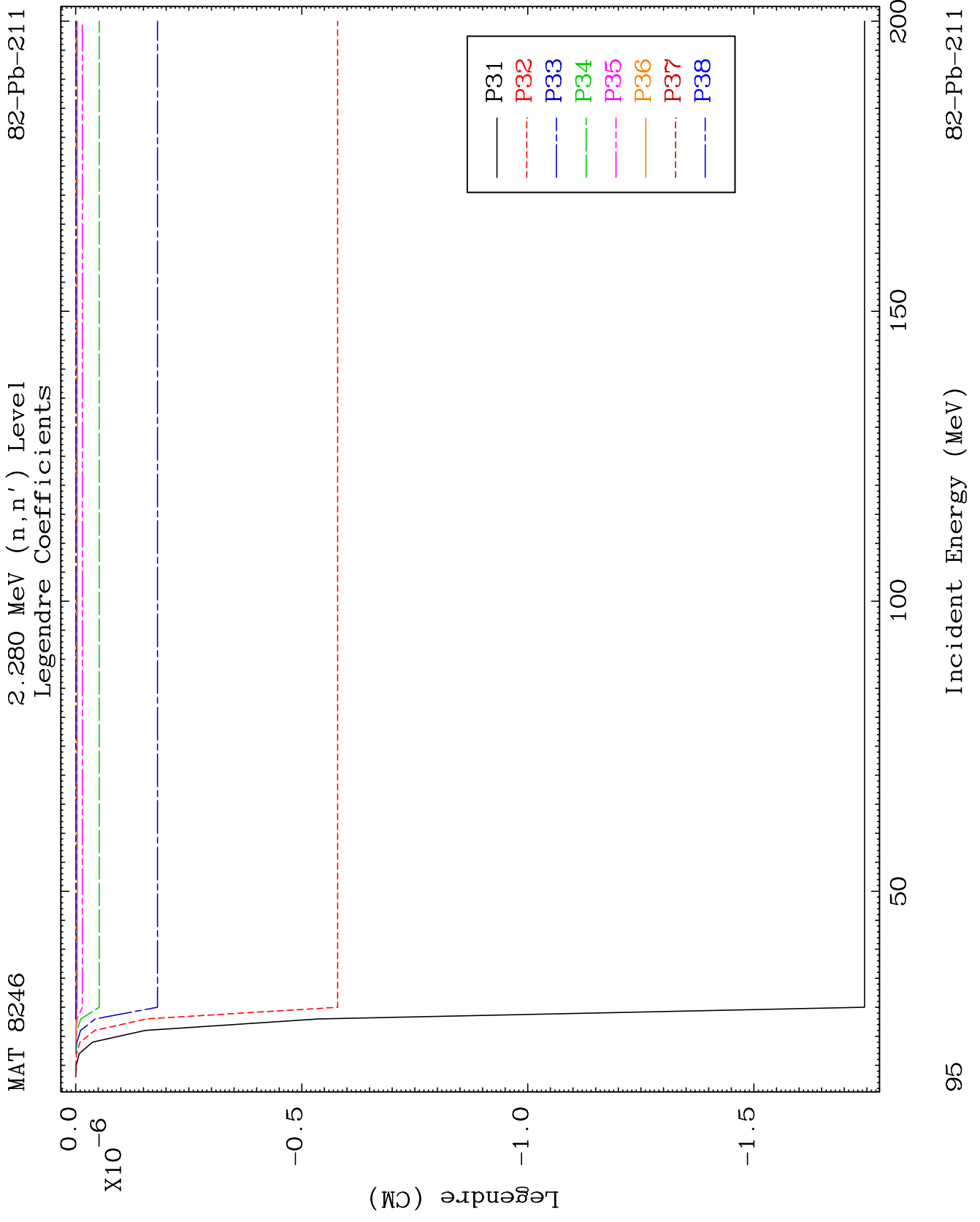
82-Pb-211



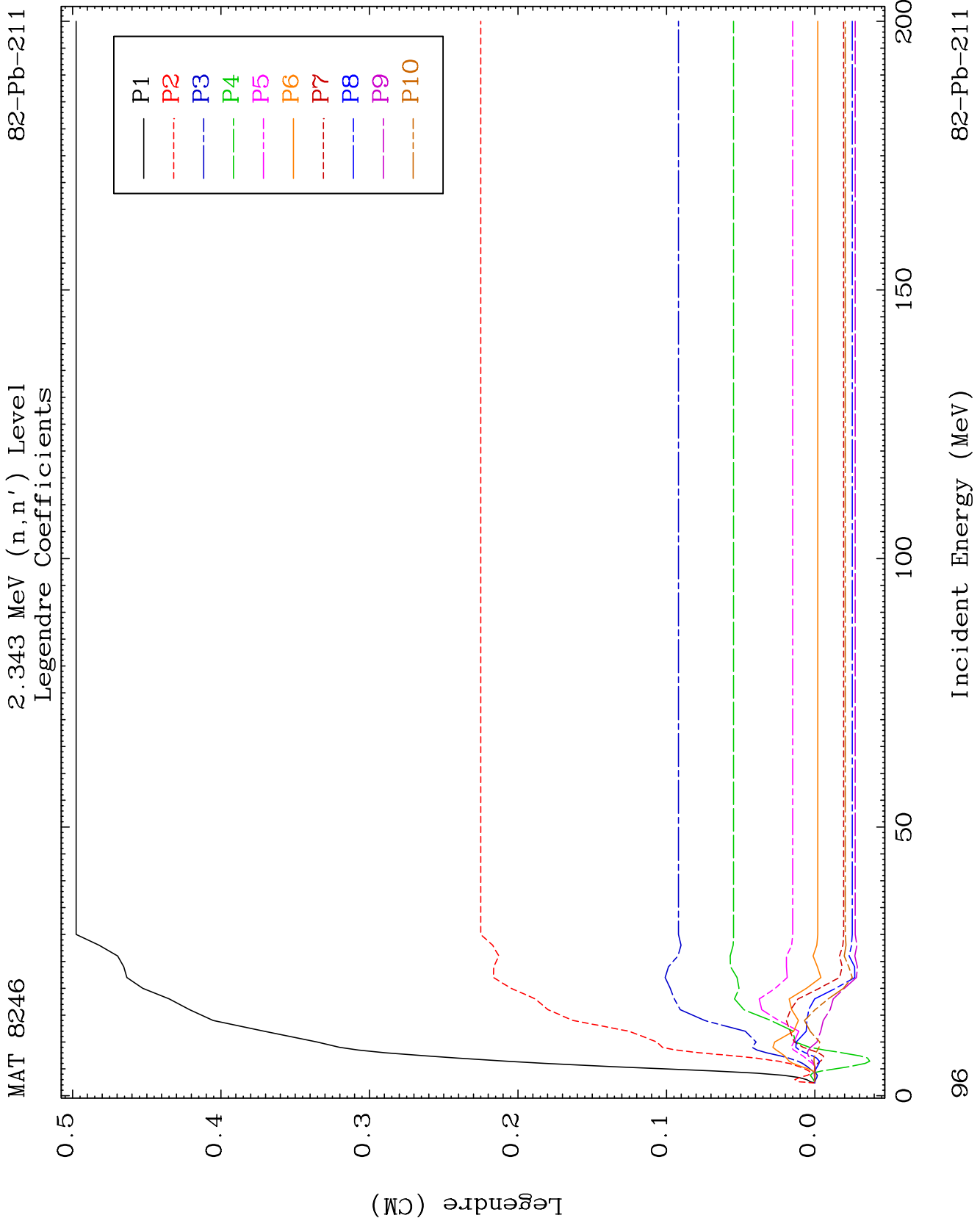
94

Incident Energy (MeV)

82-Pb-211



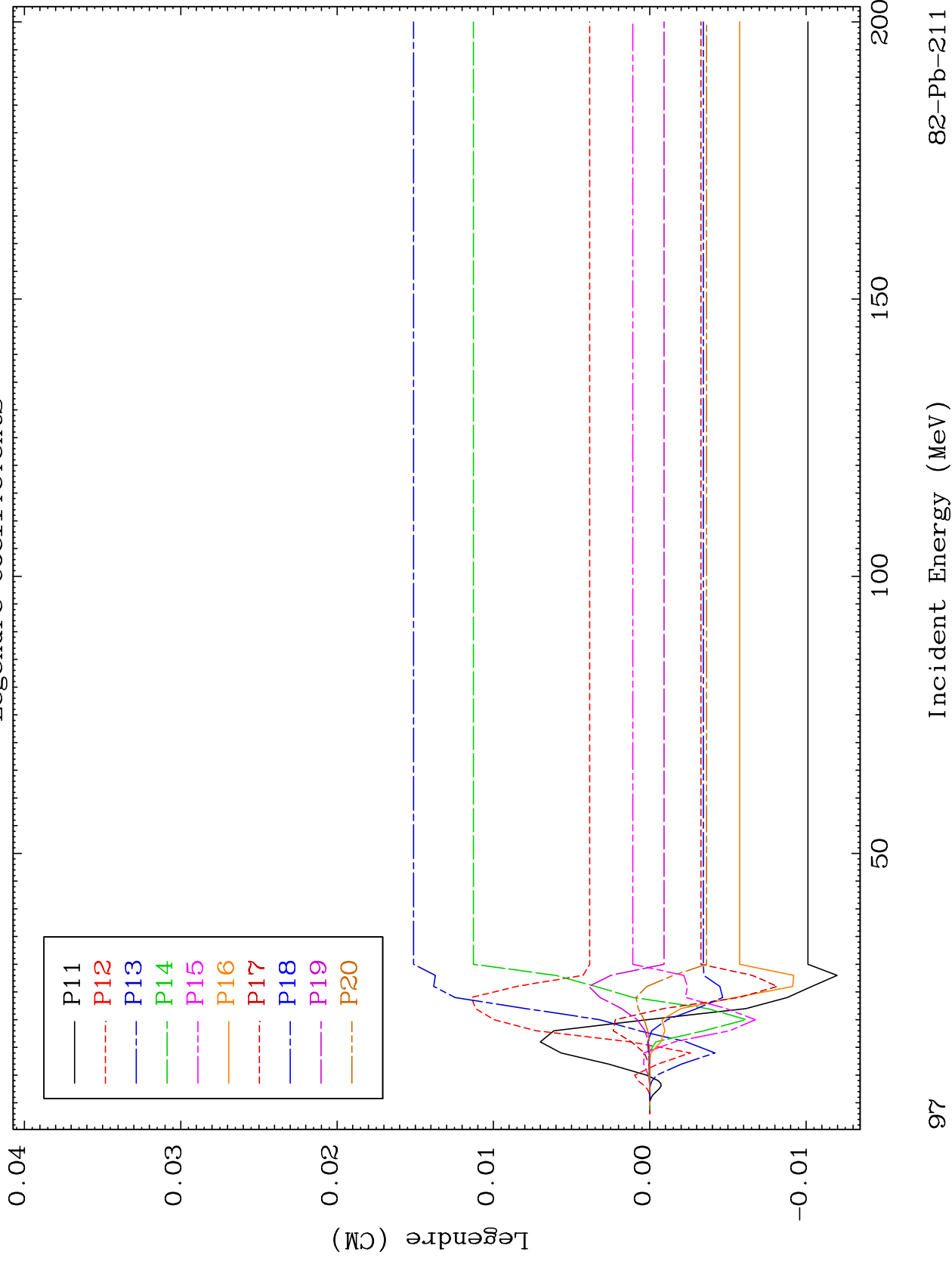




MAT 8246

2.343 MeV (n,n') Level  
Legendre Coefficients

82-Pb-211



97

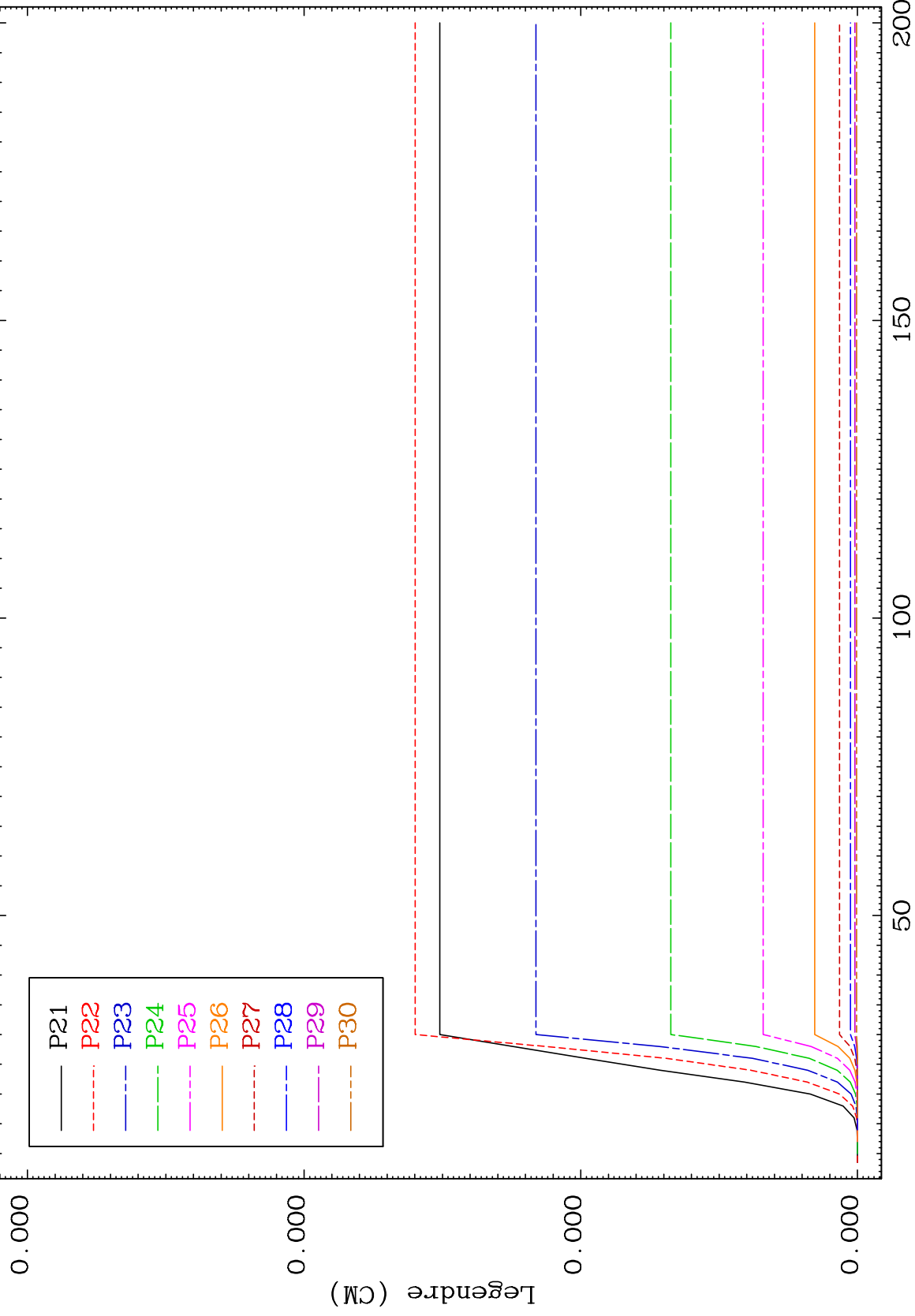
Incident Energy (MeV)

82-Pb-211

MAT 8246

2.343 MeV (n,n') Level  
Legendre Coefficients

82-Pb-211



98

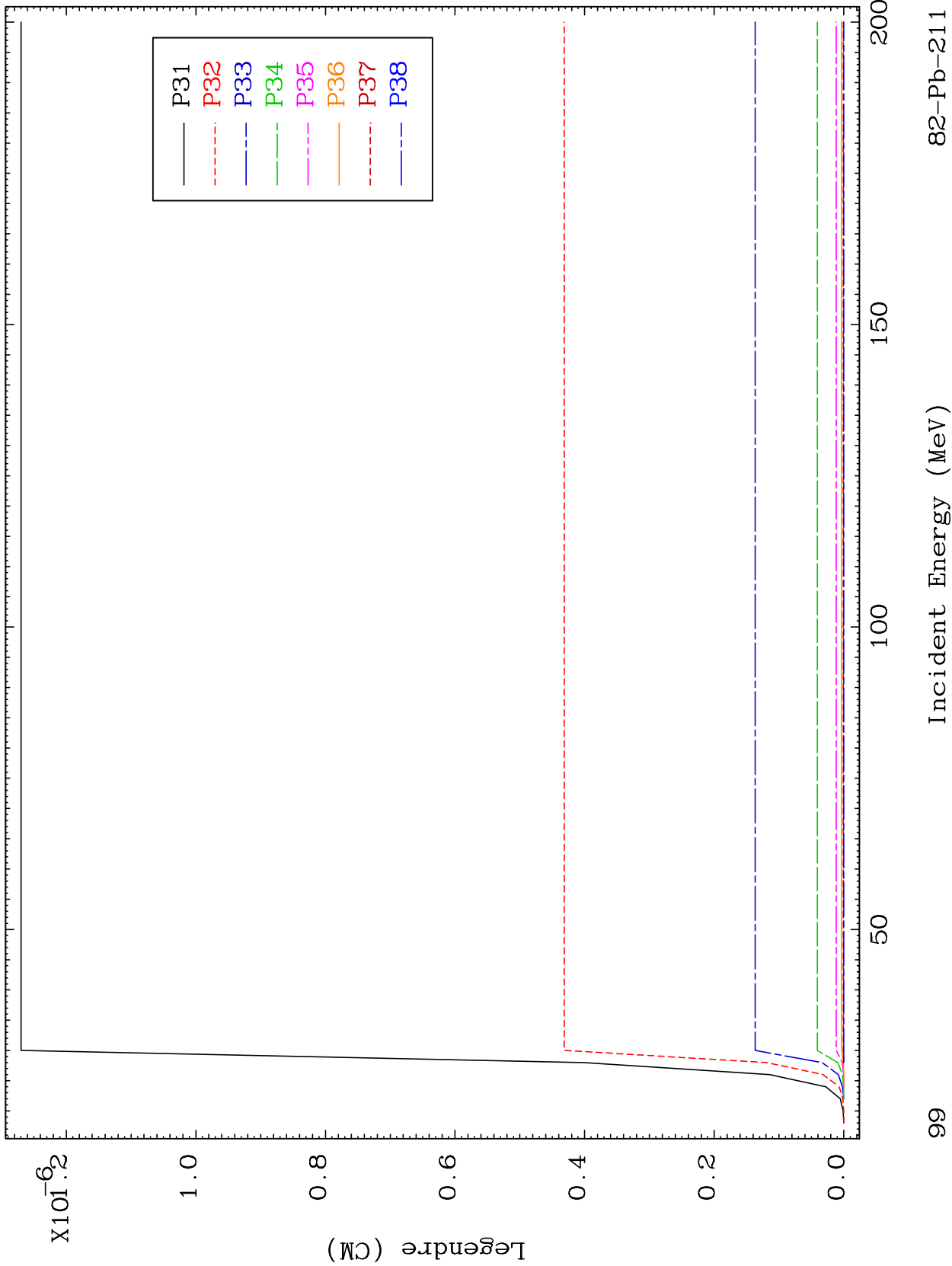
Incident Energy (MeV)

82-Pb-211

MAT 8246

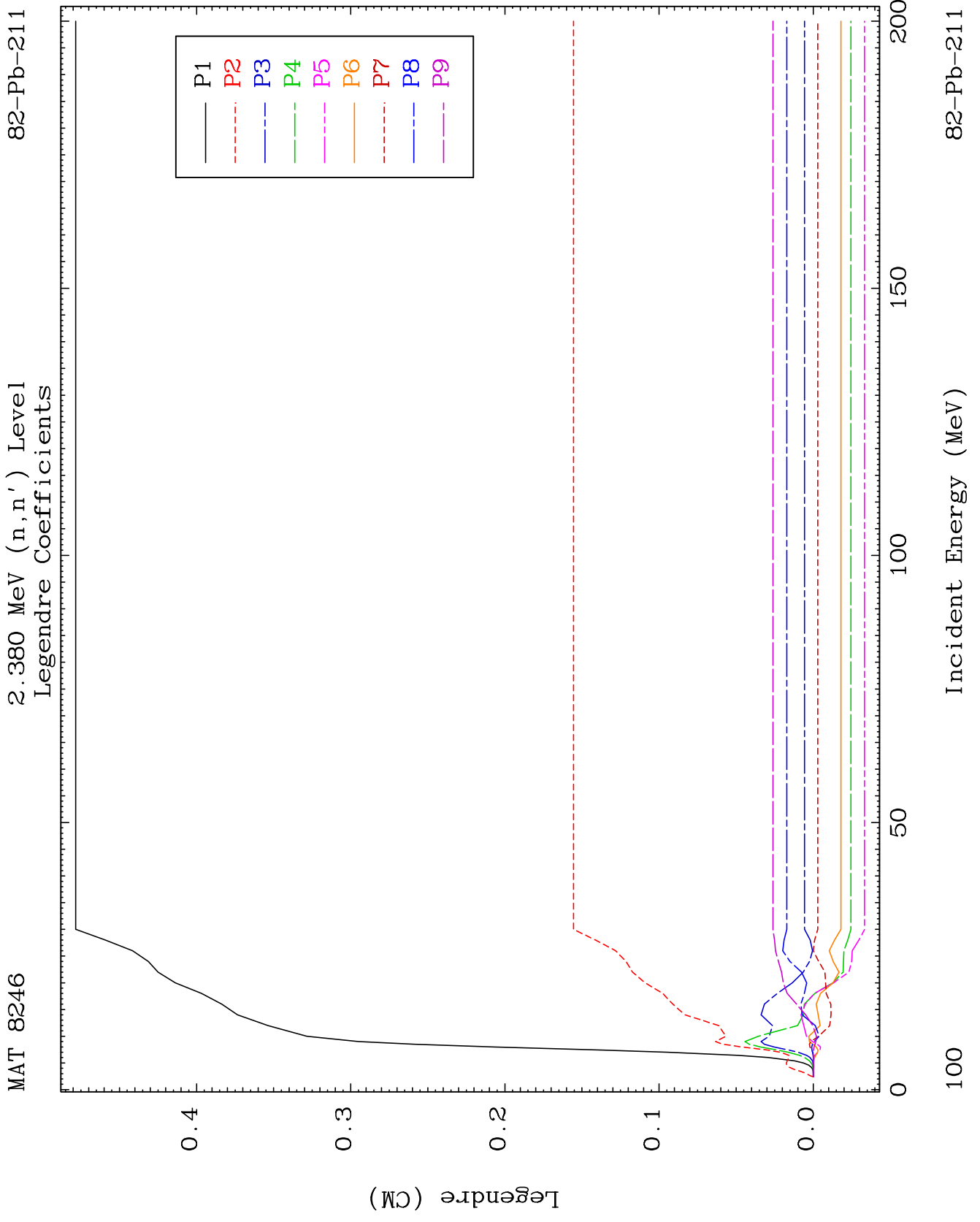
2.343 MeV (n,n') Level  
Legendre Coefficients

82-Pb-211



99

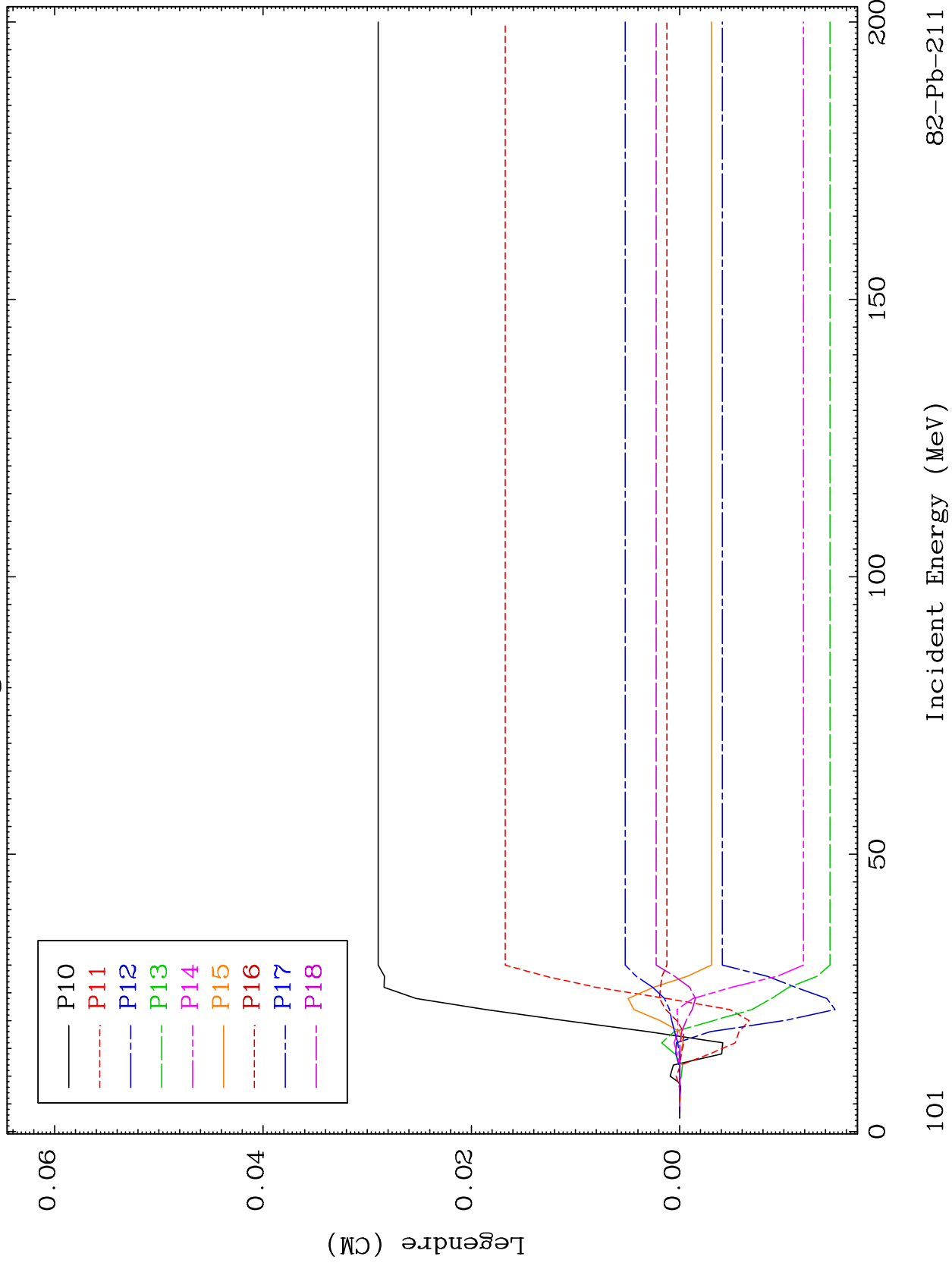
82-Pb-211



MAT 8246

2.380 MeV (n,n') Level  
Legendre Coefficients

82-Pb-211



101

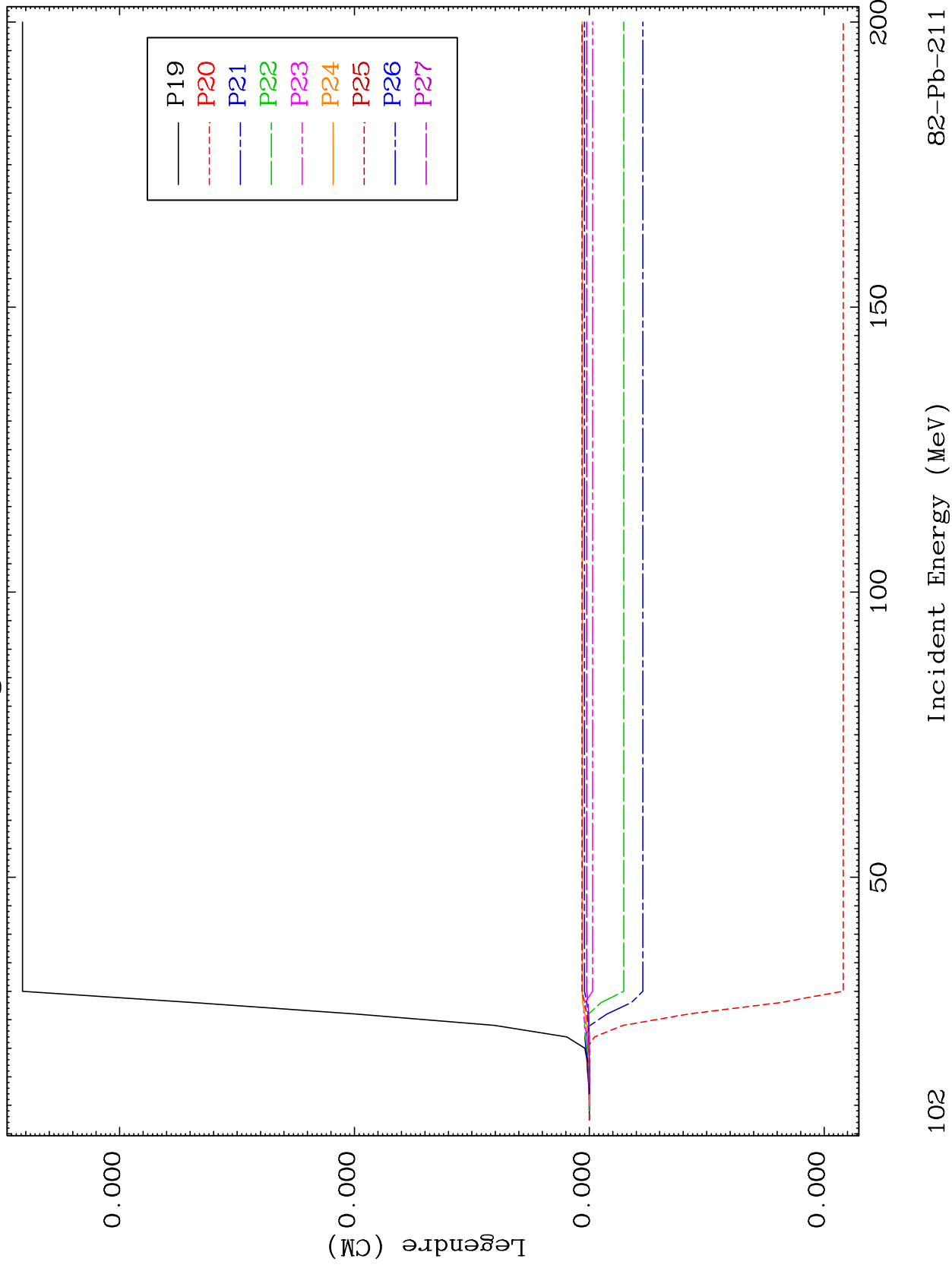
Incident Energy (MeV)

82-Pb-211

MAT 8246

2.380 MeV (n,n') Level  
Legendre Coefficients

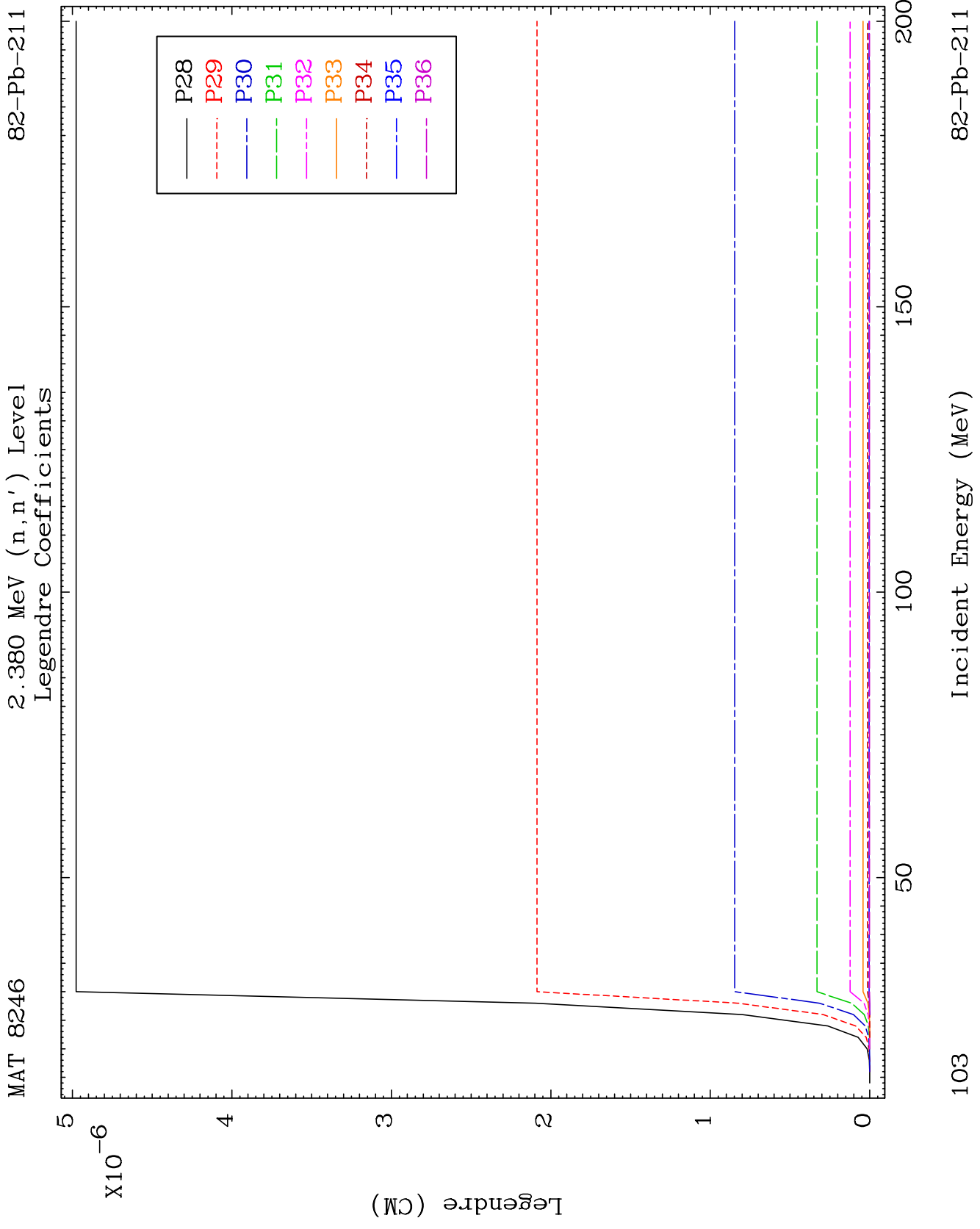
82-Pb-211



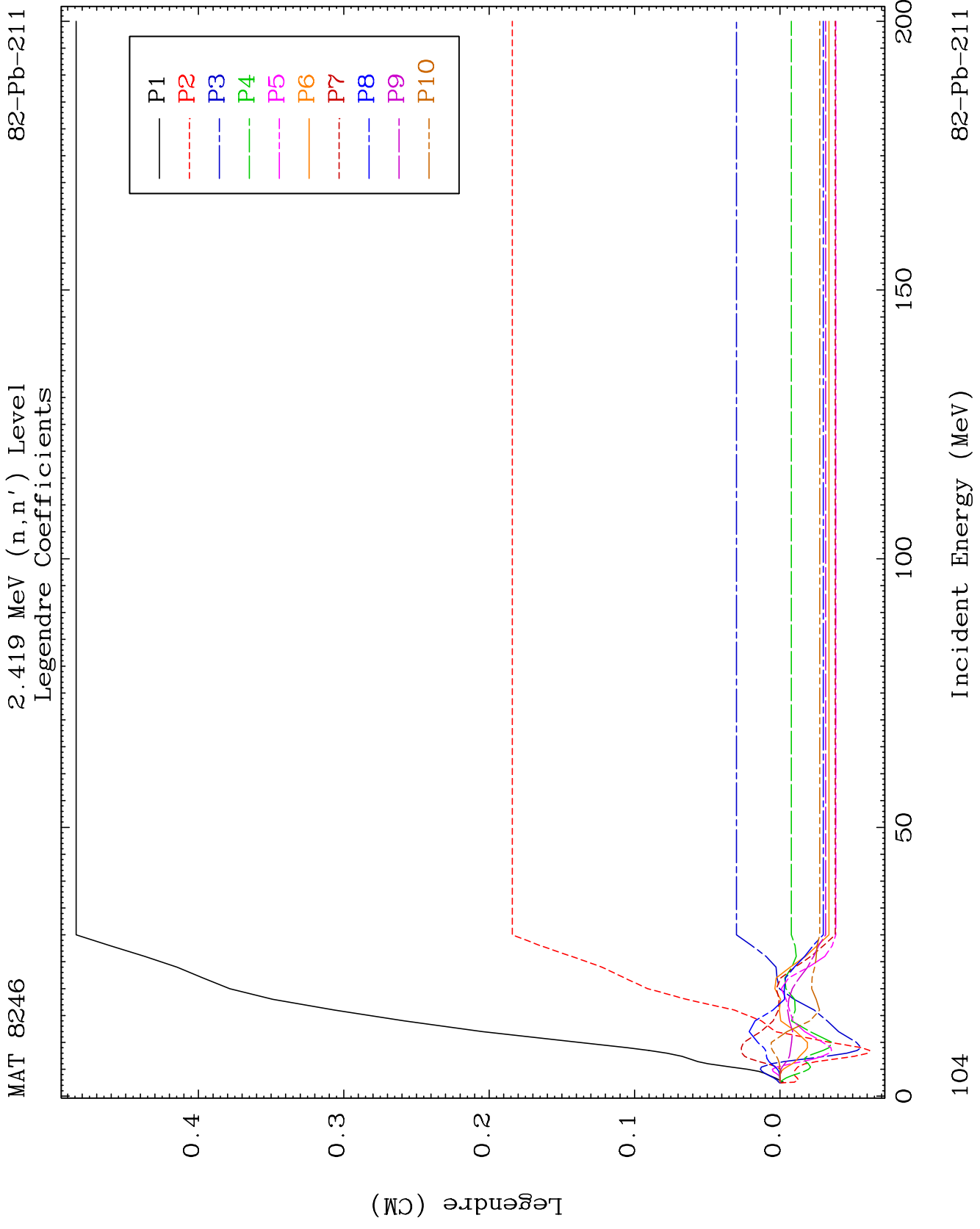
102

Incident Energy (MeV)

82-Pb-211



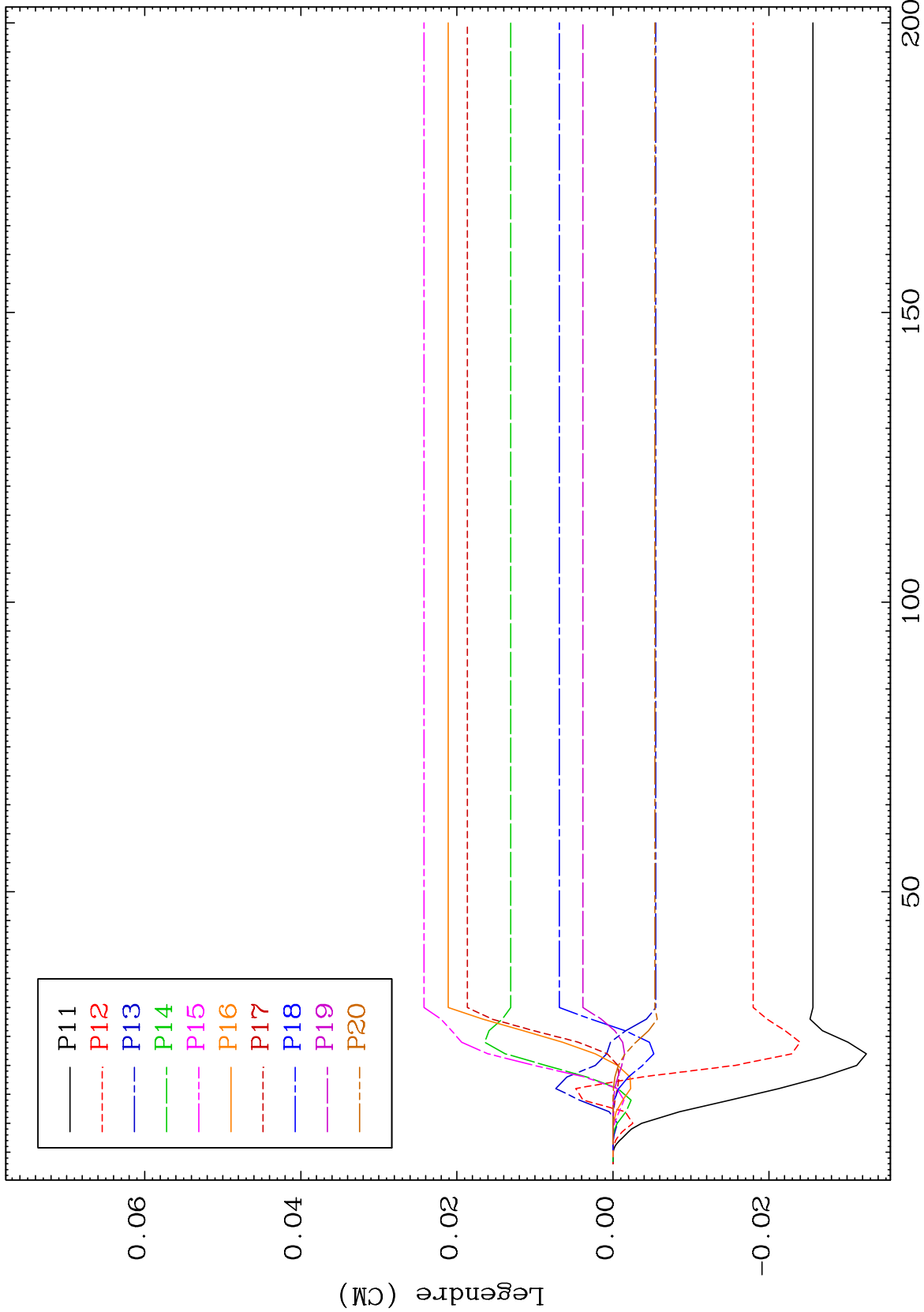




MAT 8246

2.419 MeV (n,n') Level  
Legendre Coefficients

82-Pb-211



105

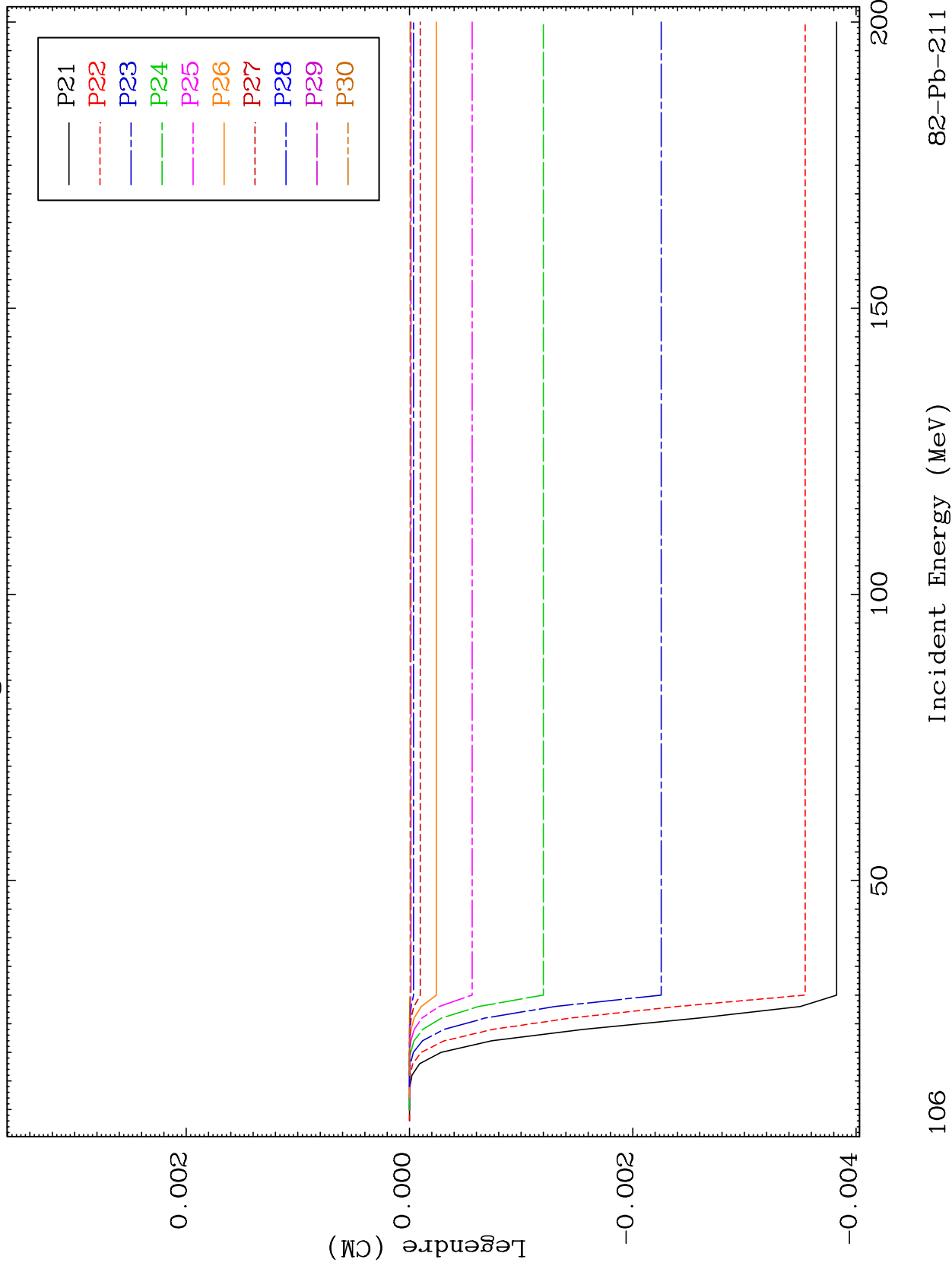
Incident Energy (MeV)

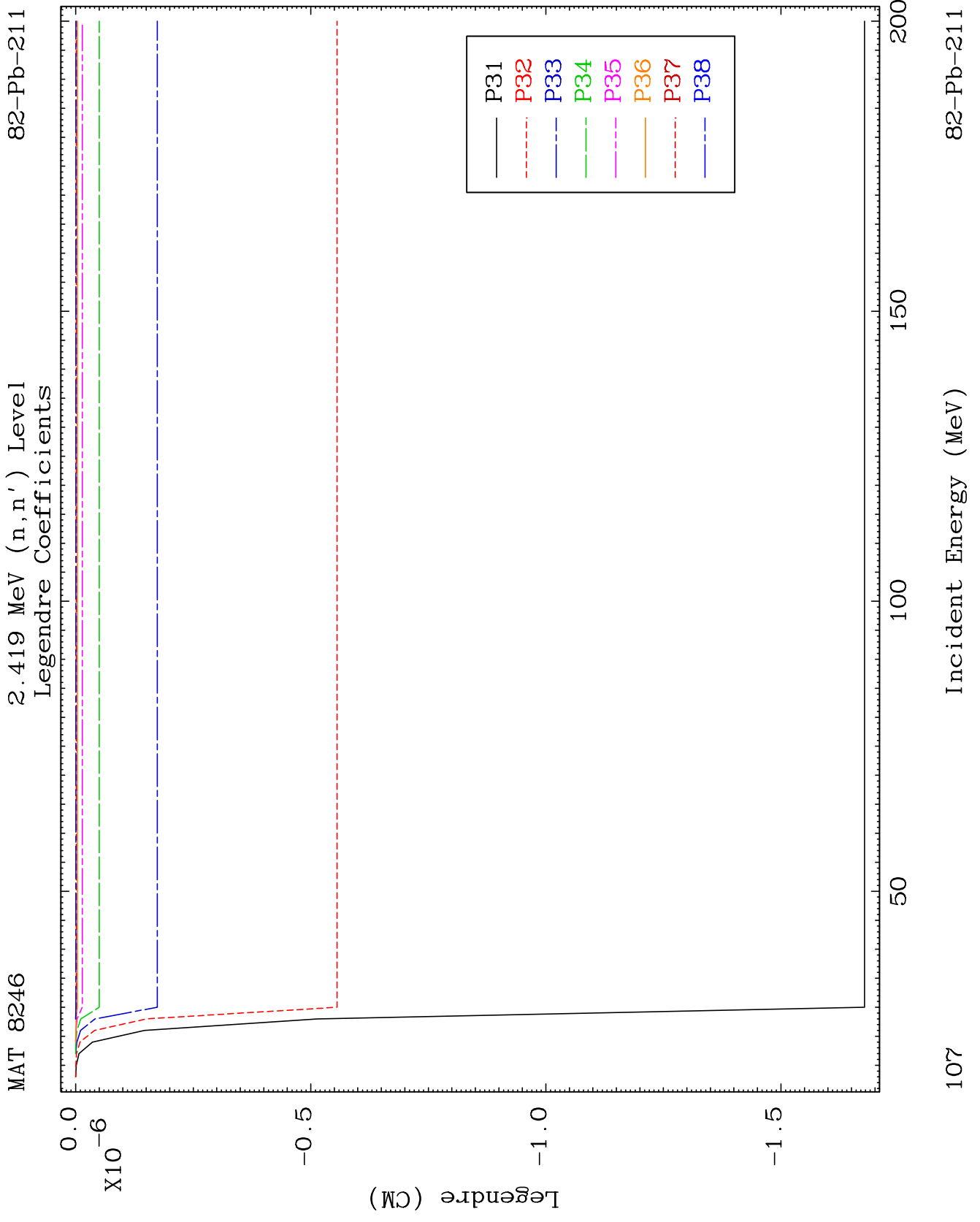
82-Pb-211

MAT 8246

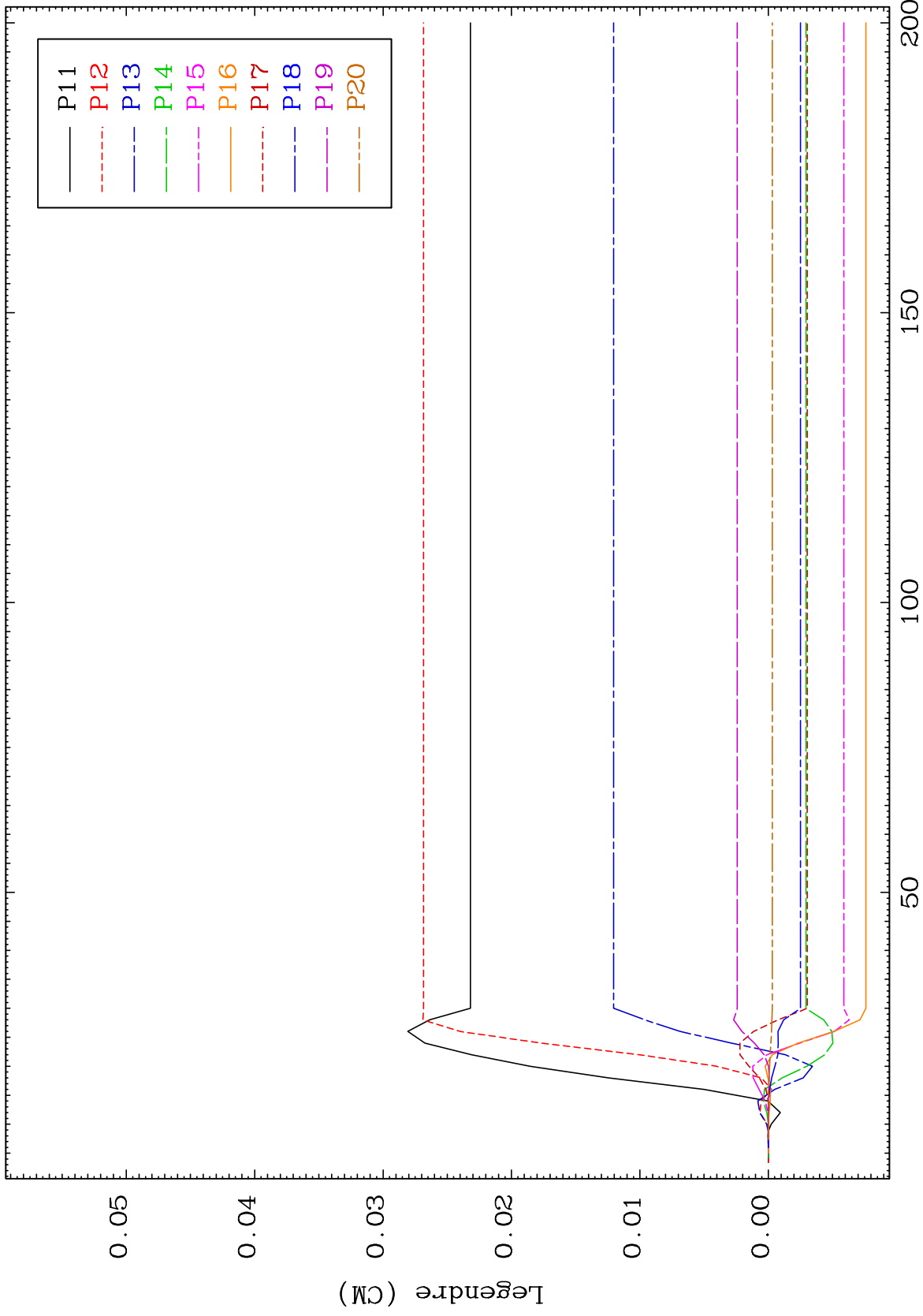
2.419 MeV (n,n') Level  
Legendre Coefficients

82-Pb-211





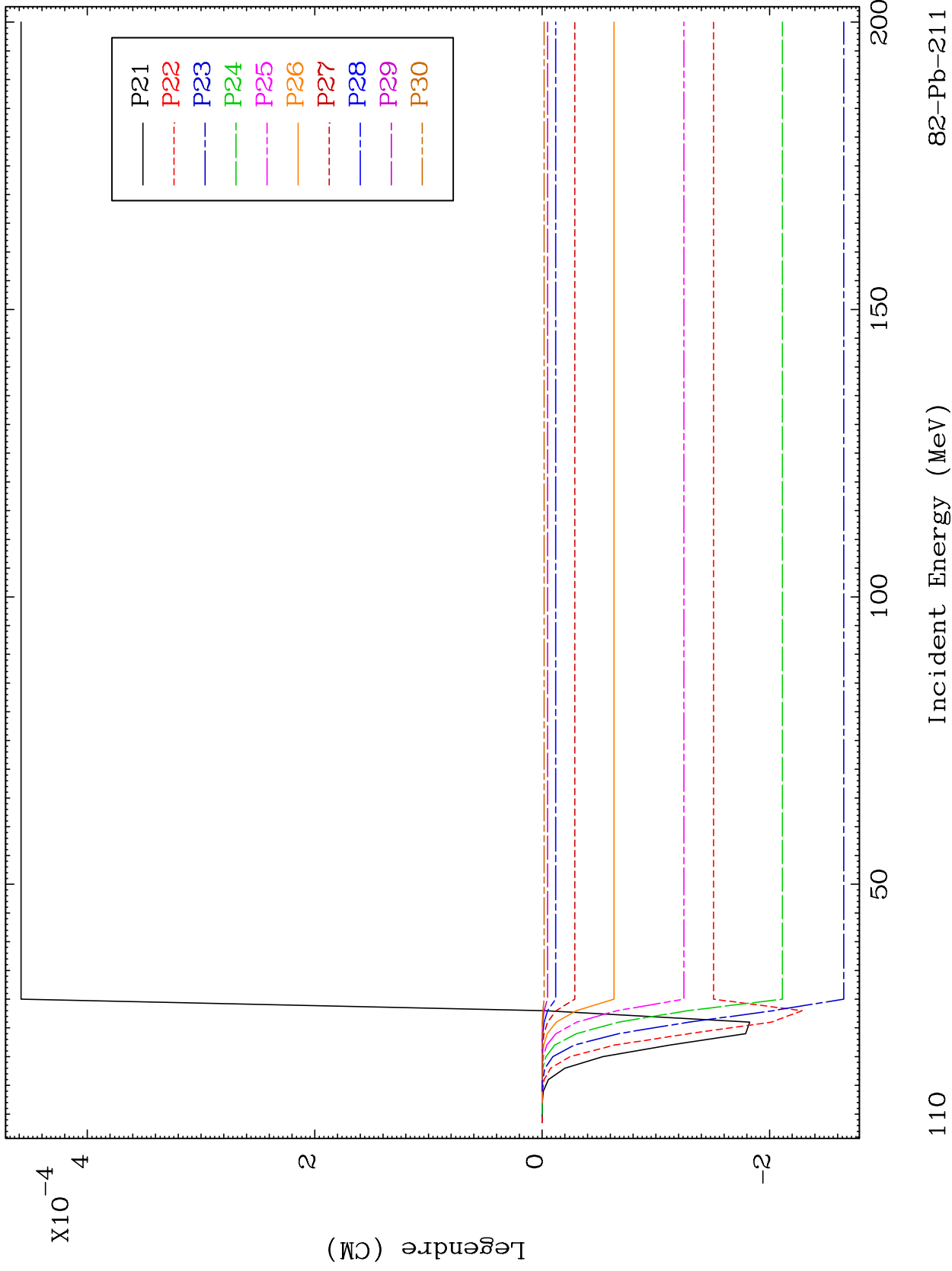


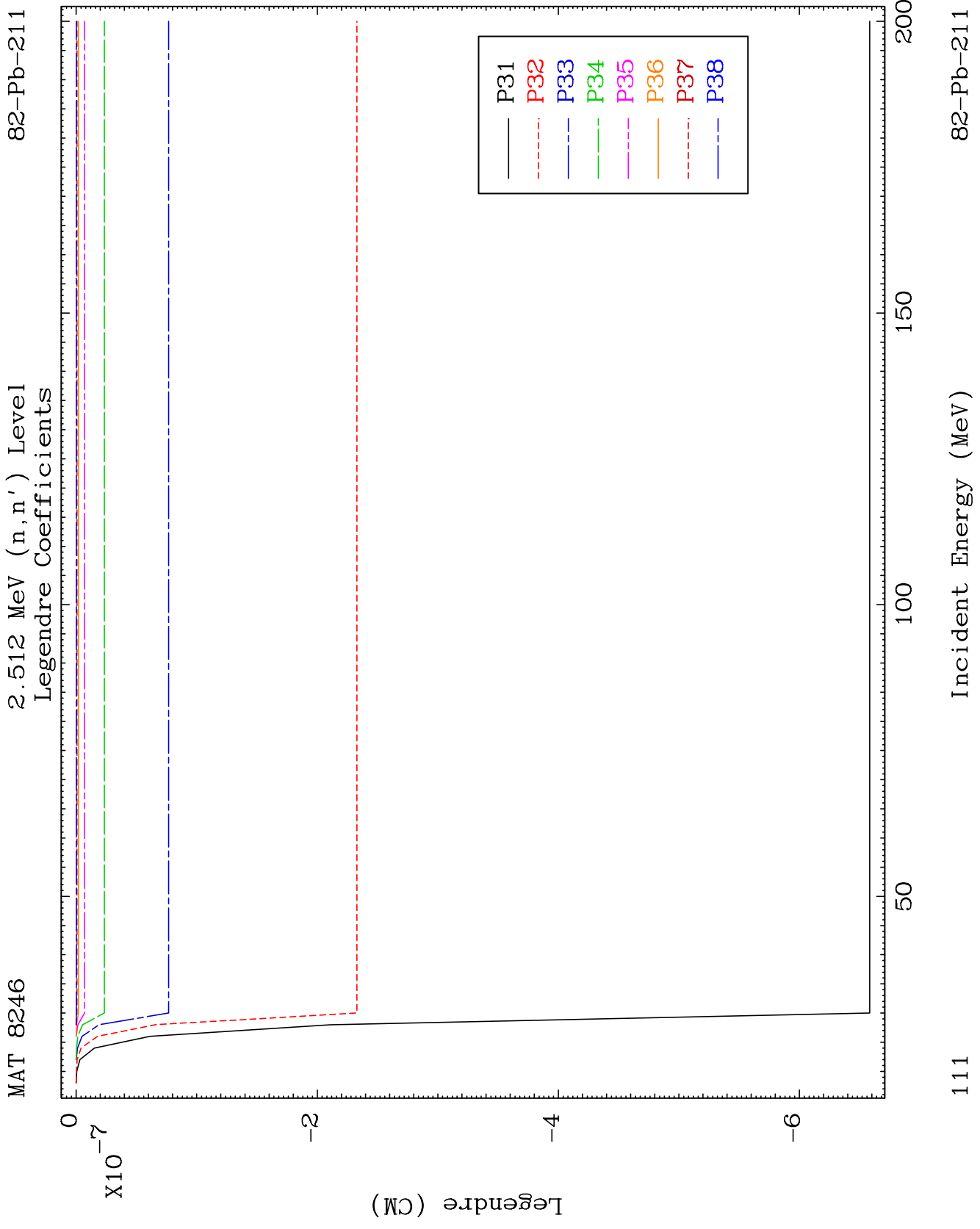


MAT 8246

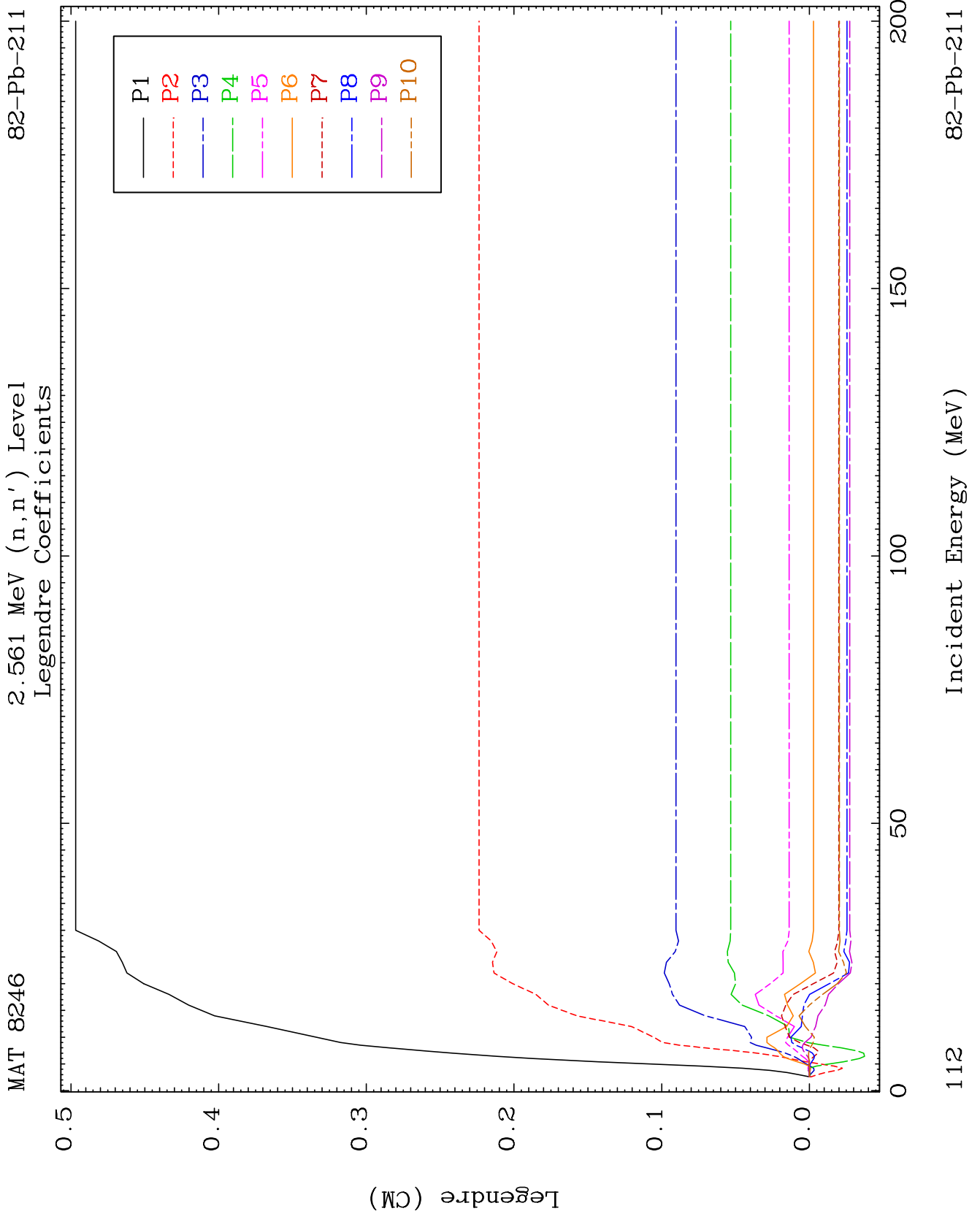
2.512 MeV (n, n') Level  
Legendre Coefficients

82-Pb-211





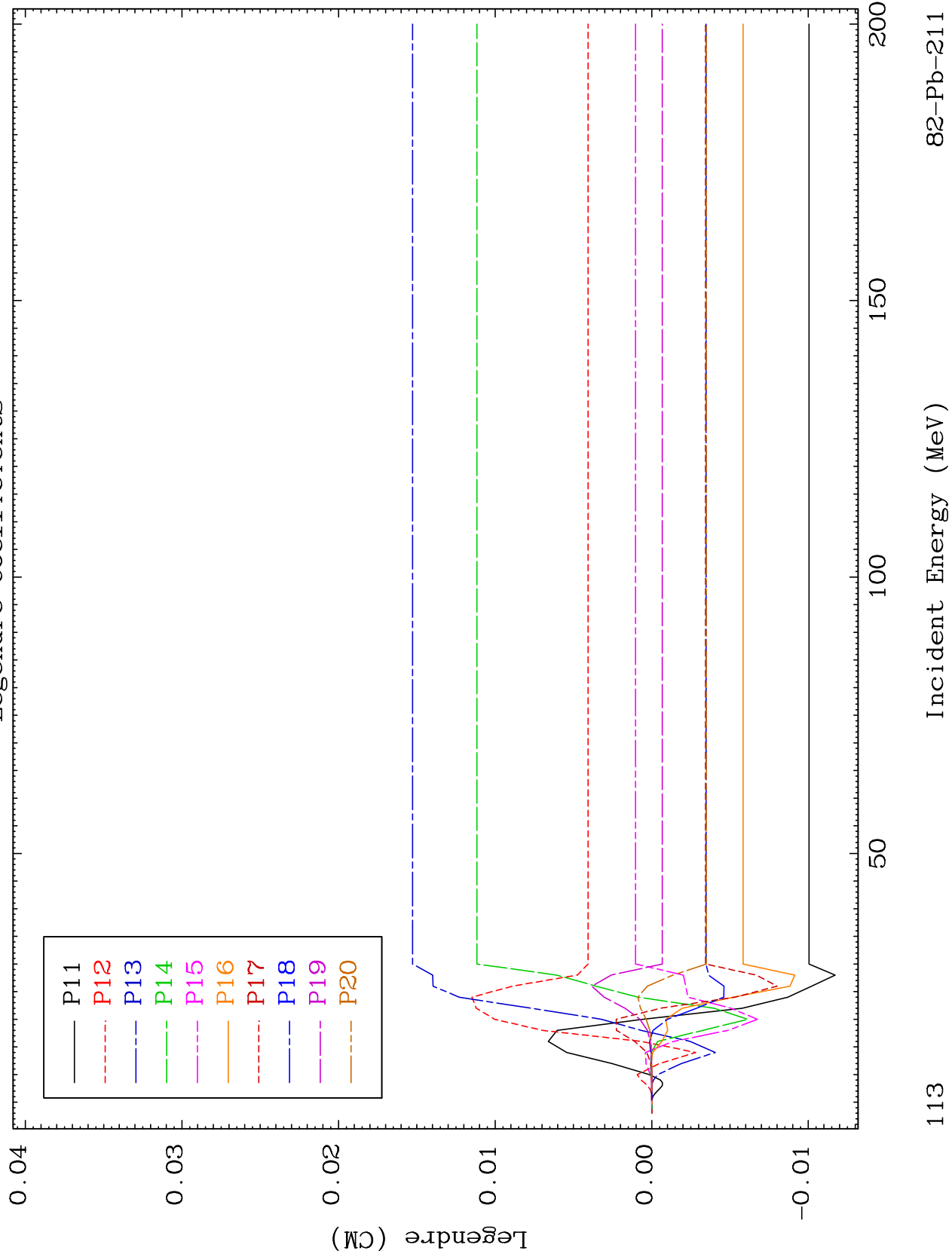




MAT 8246

2.561 MeV (n,n') Level  
Legendre Coefficients

82-Pb-211



113

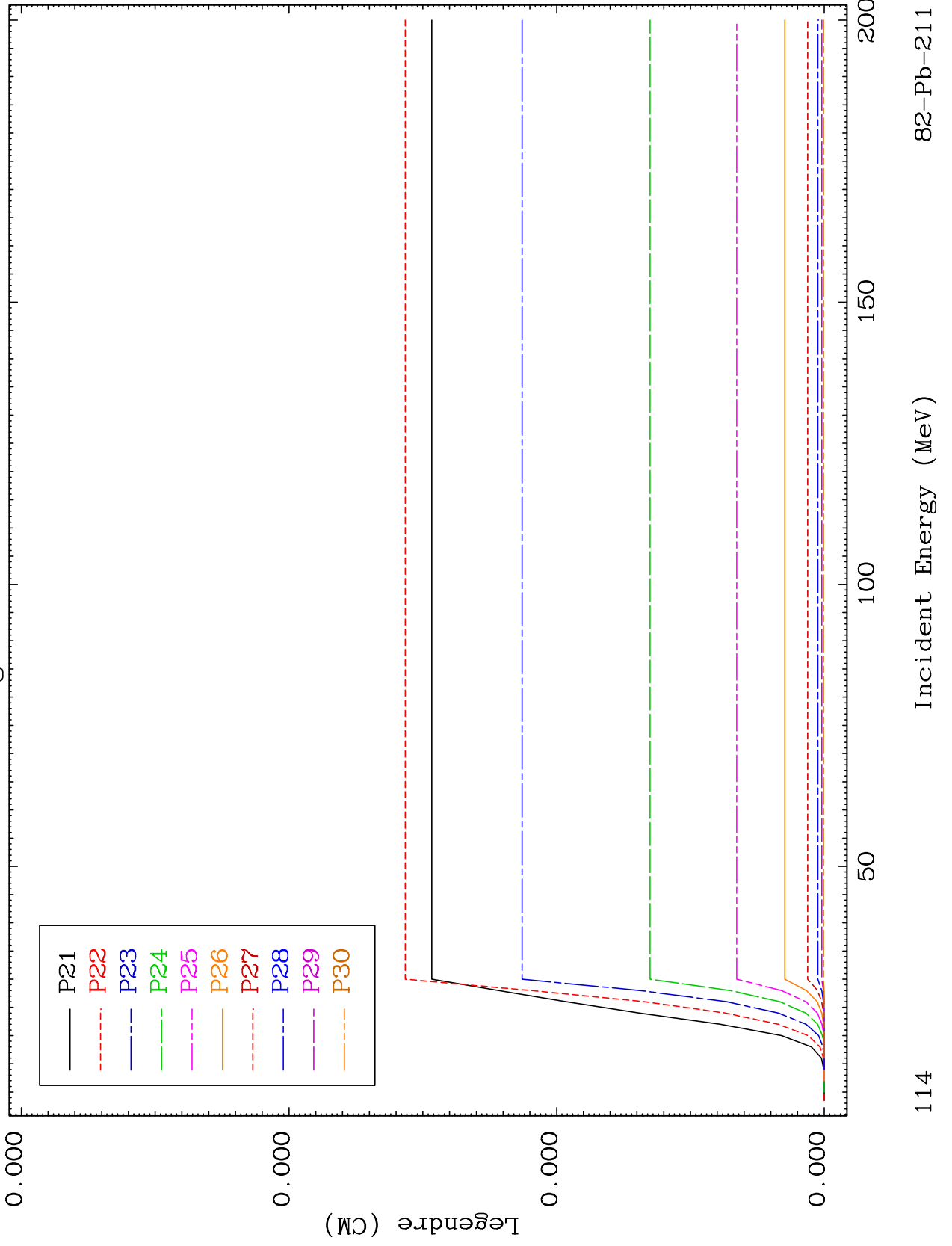
Incident Energy (MeV)

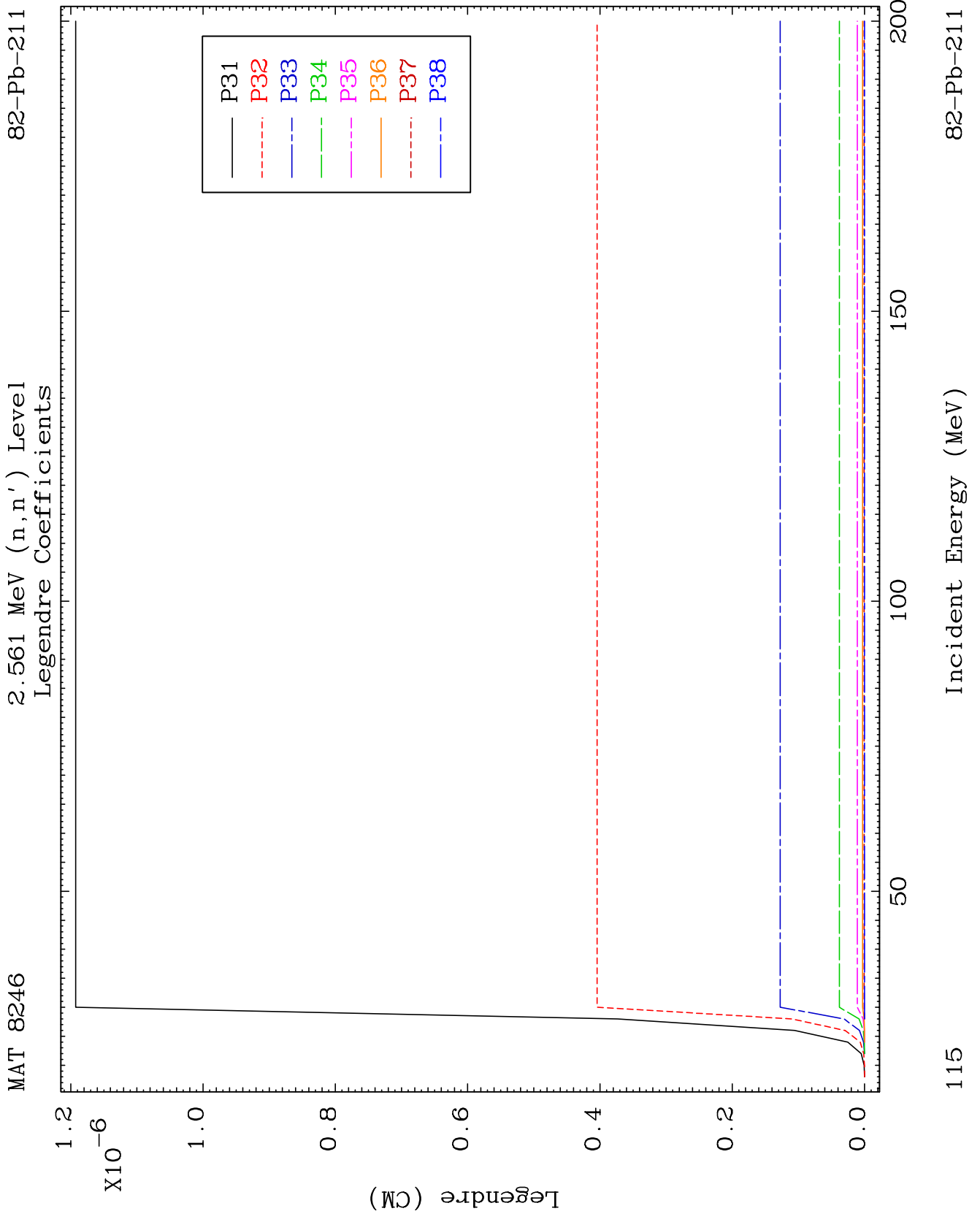
82-Pb-211

MAT 8246

2.561 MeV (n,n') Level  
Legendre Coefficients

82-Pb-211

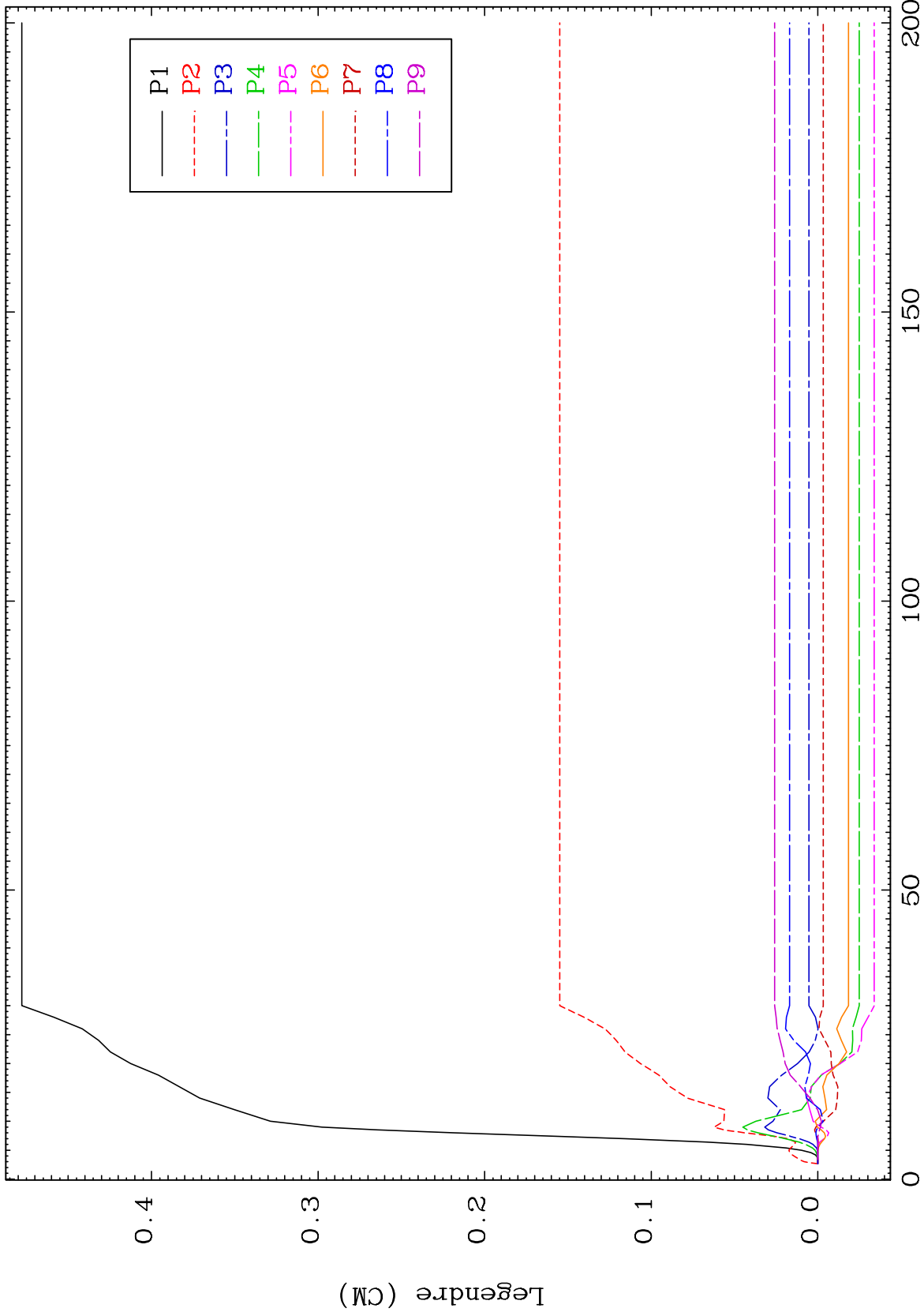




MAT 8246

2.629 MeV (n,n') Level  
Legendre Coefficients

82-Pb-211



116

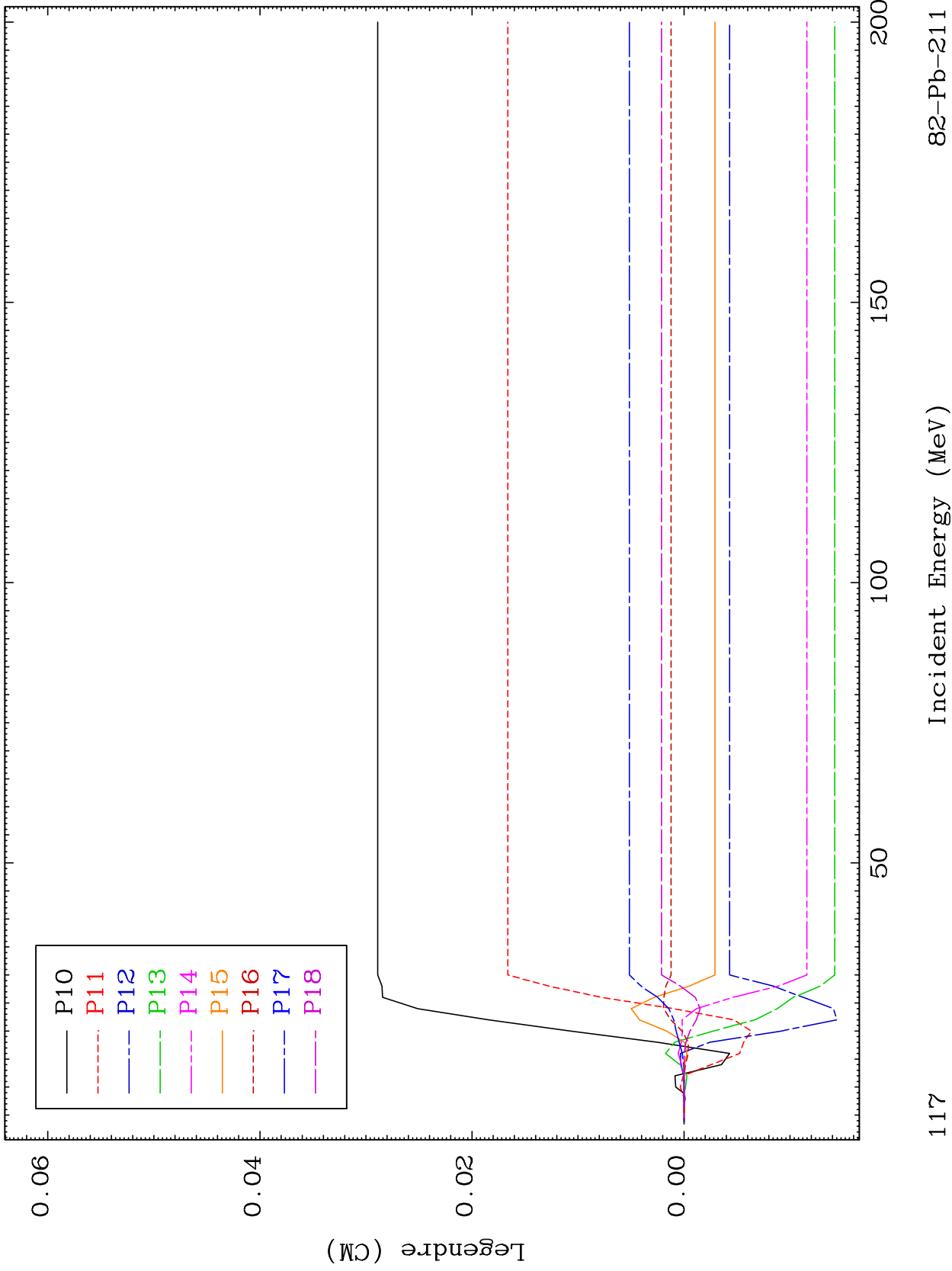
Incident Energy (MeV)

82-Pb-211

MAT 8246

2.629 MeV (n,n') Level  
Legendre Coefficients

82-Pb-211



117

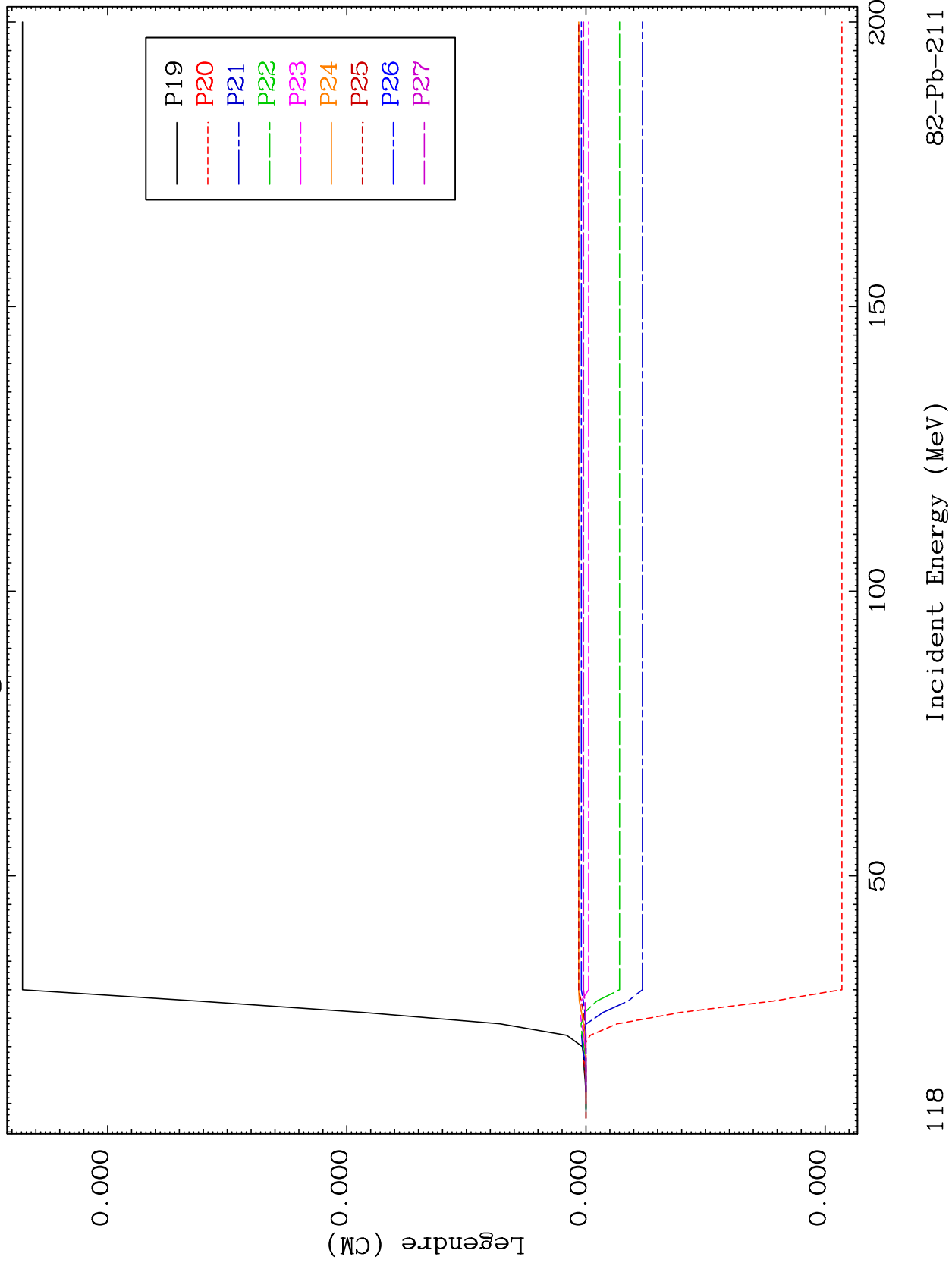
Incident Energy (MeV)

82-Pb-211

MAT 8246

2.629 MeV (n,n') Level  
Legendre Coefficients

82-Pb-211

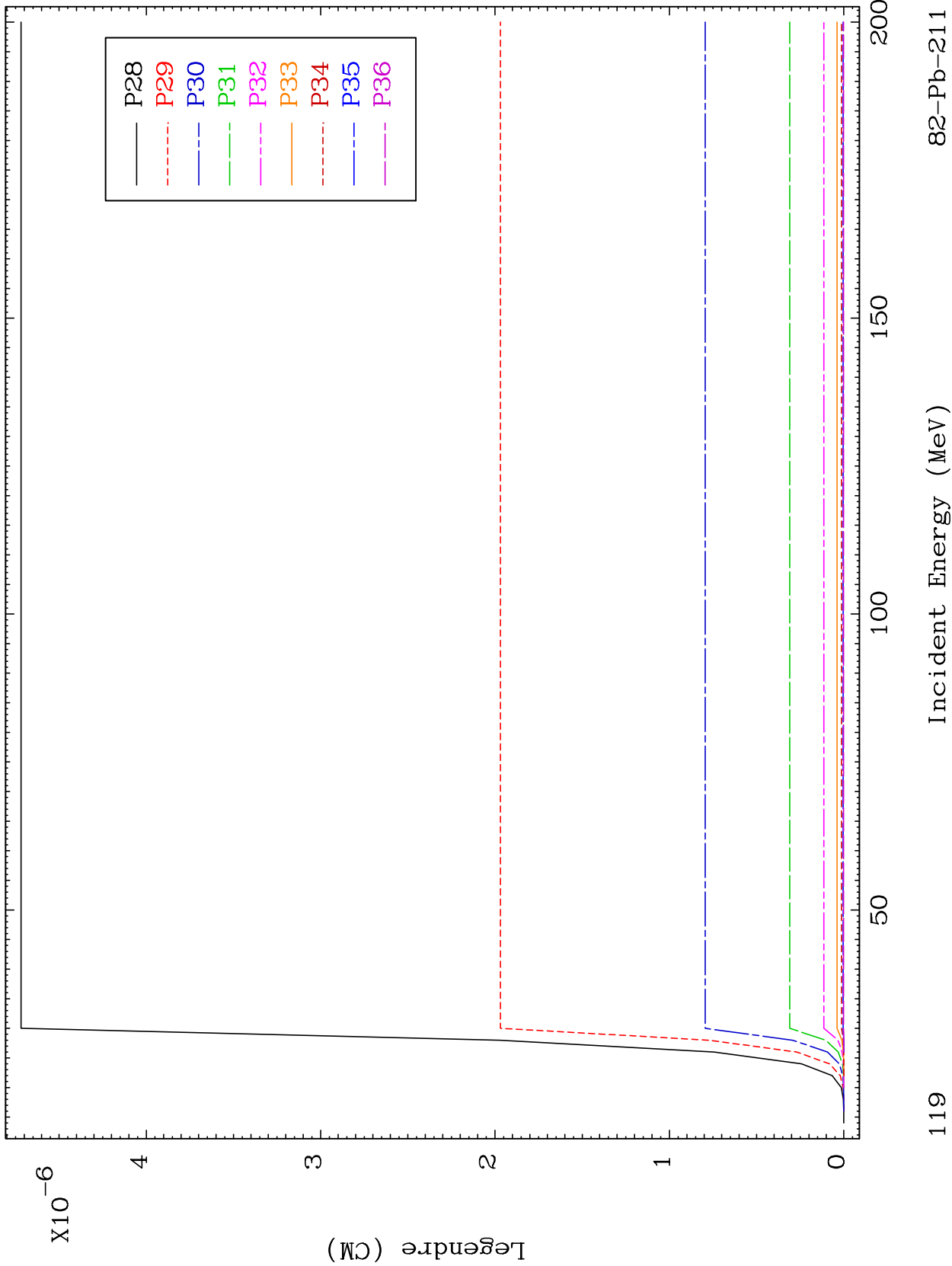


118

MAT 8246

2.629 MeV (n,n') Level  
Legendre Coefficients

82-Pb-211



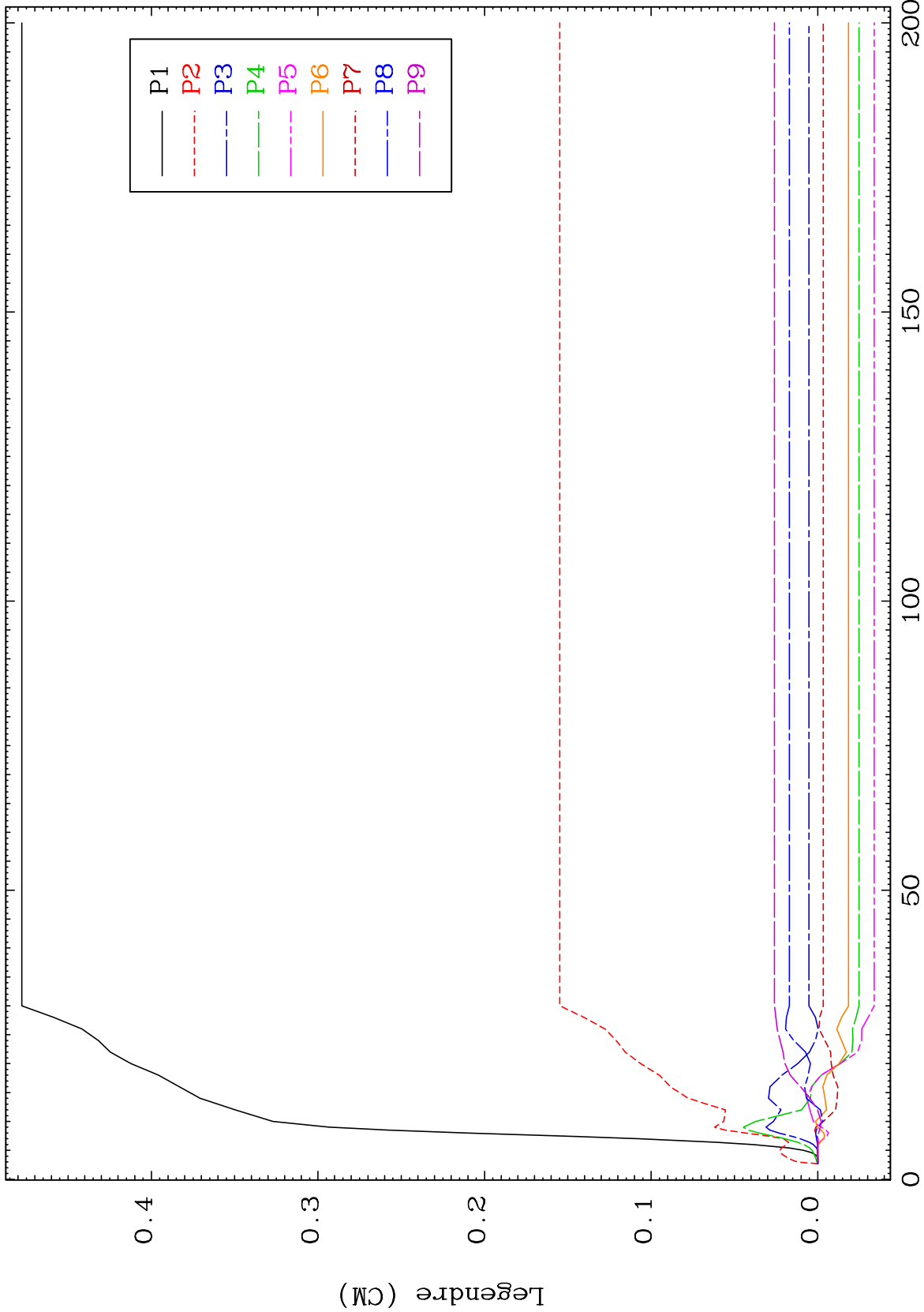
119



MAT 8246

2.655 MeV (n,n') Level  
Legendre Coefficients

82-Pb-211



82-Pb-211

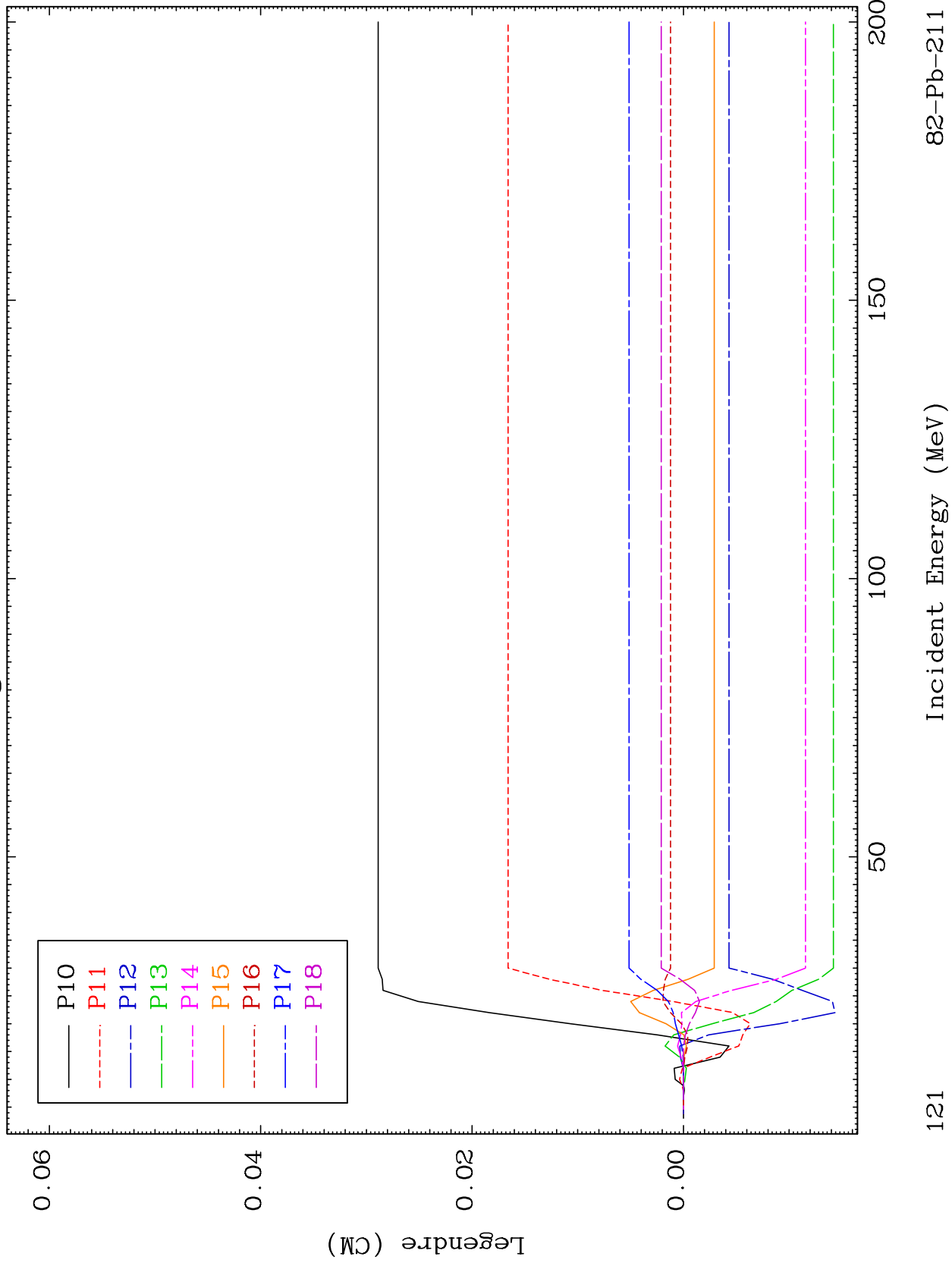
Incident Energy (MeV)

120

MAT 8246

2.655 MeV (n,n') Level  
Legendre Coefficients

82-Pb-211



121

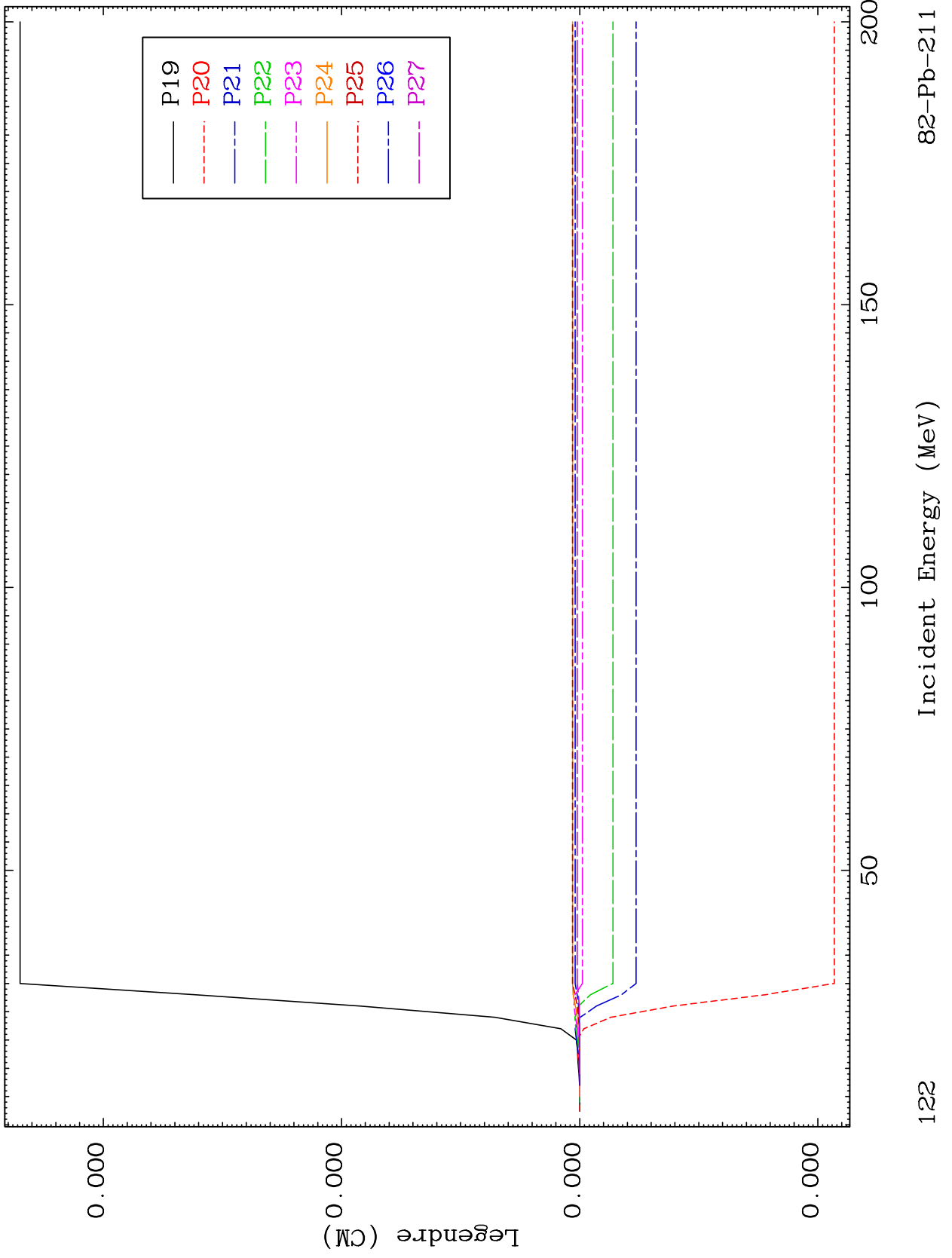
Incident Energy (MeV)

82-Pb-211

MAT 8246

2.655 MeV (n,n') Level  
Legendre Coefficients

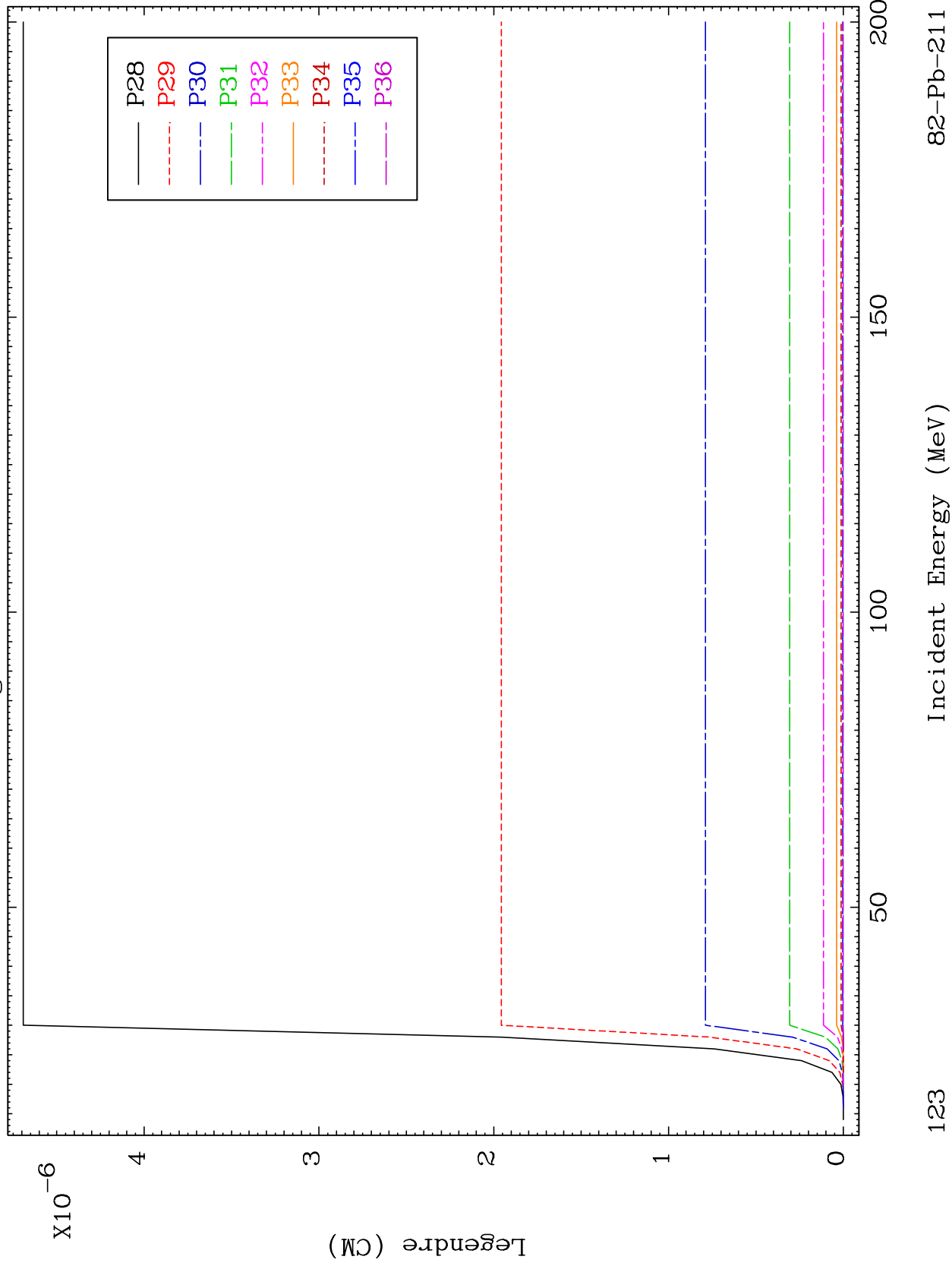
82-Pb-211



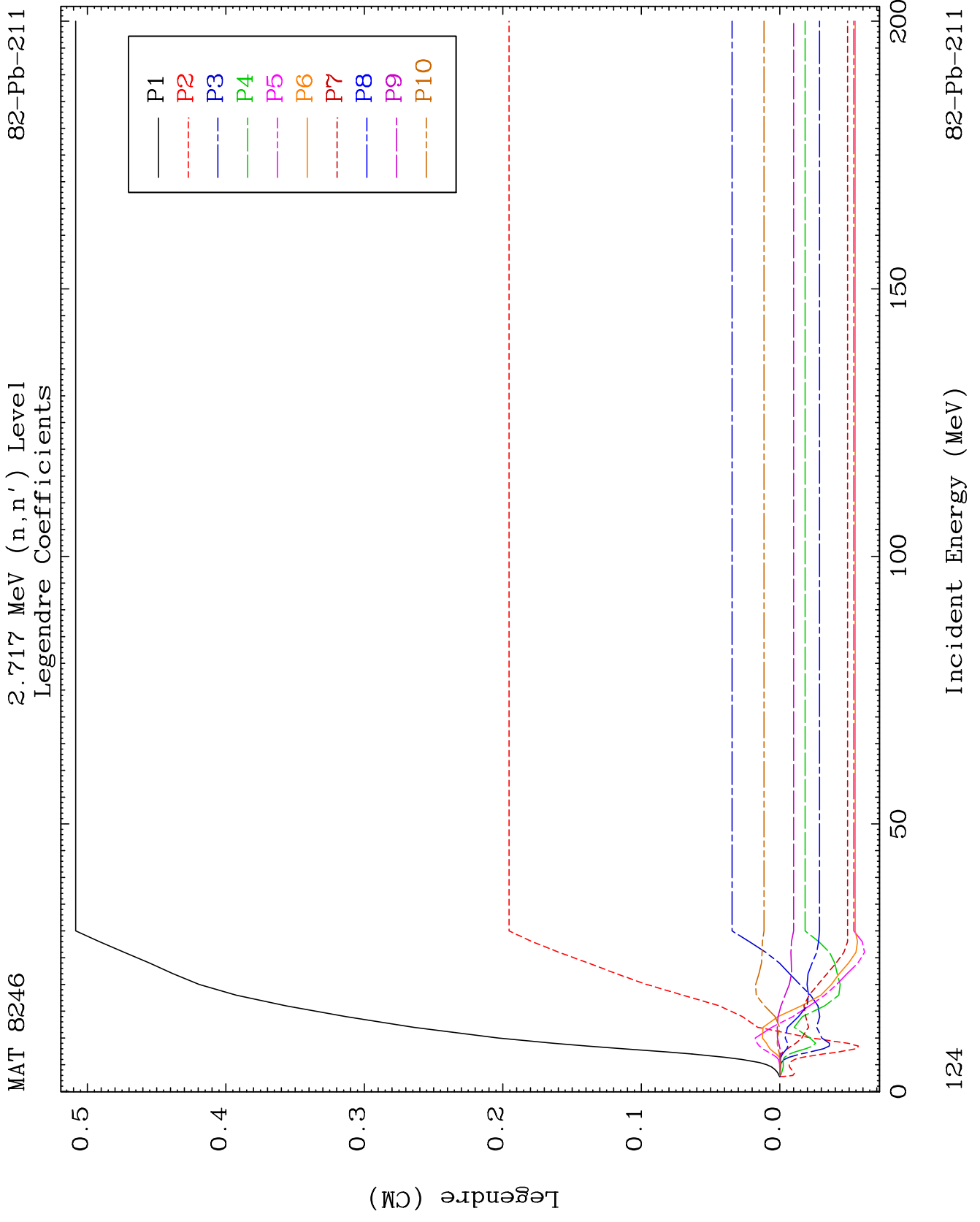
MAT 8246

2.655 MeV (n,n') Level  
Legendre Coefficients

82-Pb-211



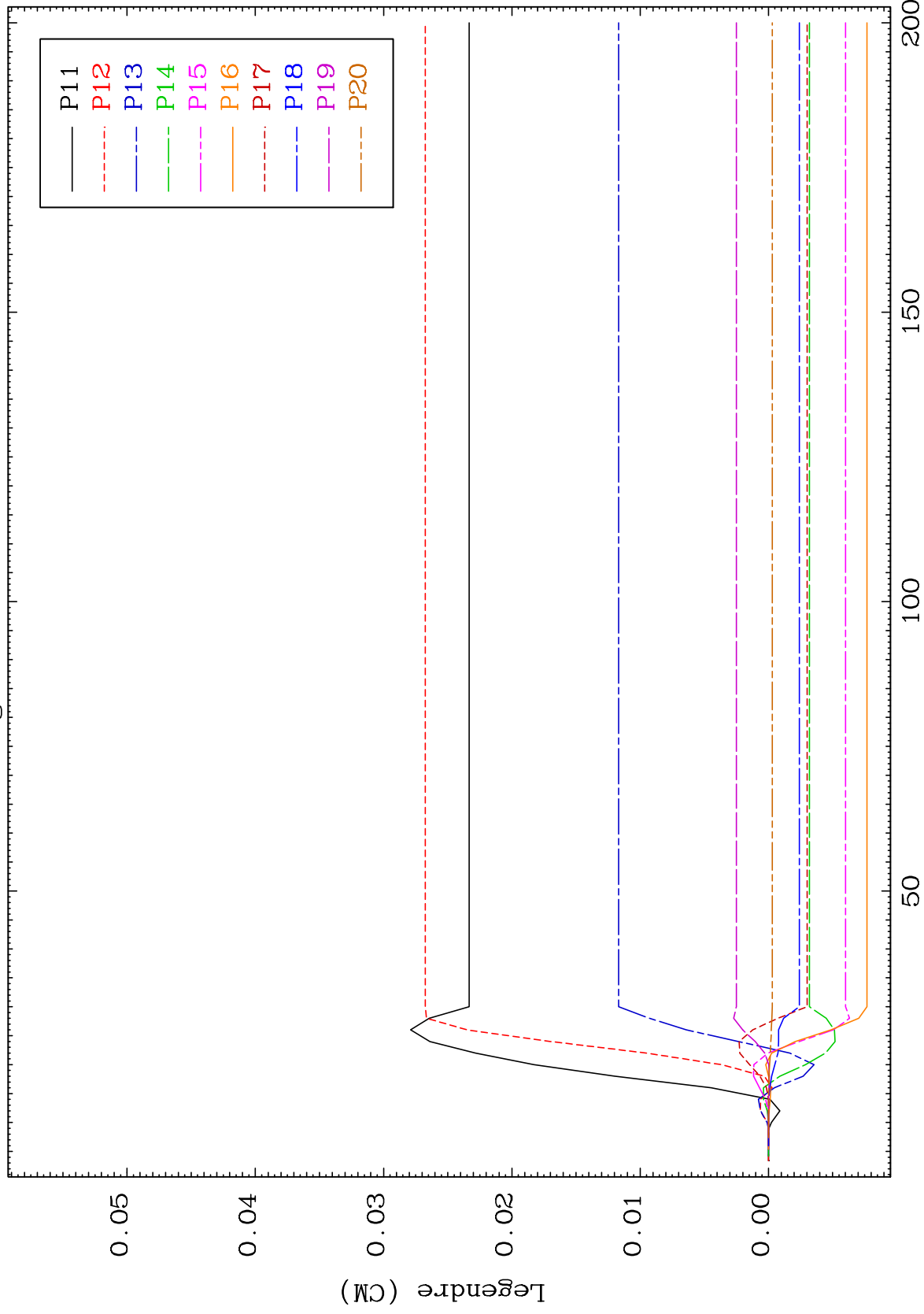
123



MAT 8246

2.717 MeV (n,n') Level  
Legendre Coefficients

82-Pb-211



125

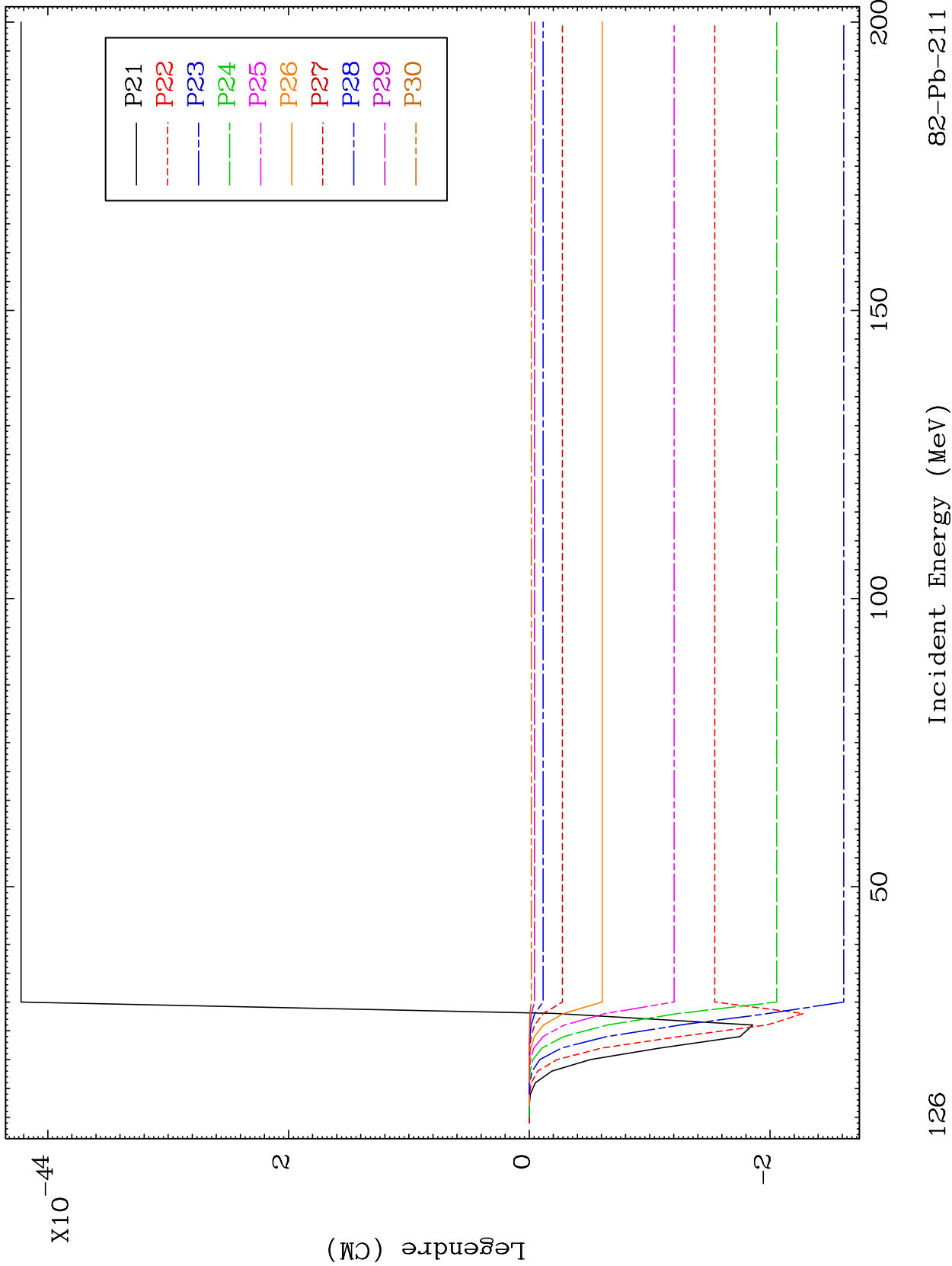
Incident Energy (MeV)

82-Pb-211

MAT 8246

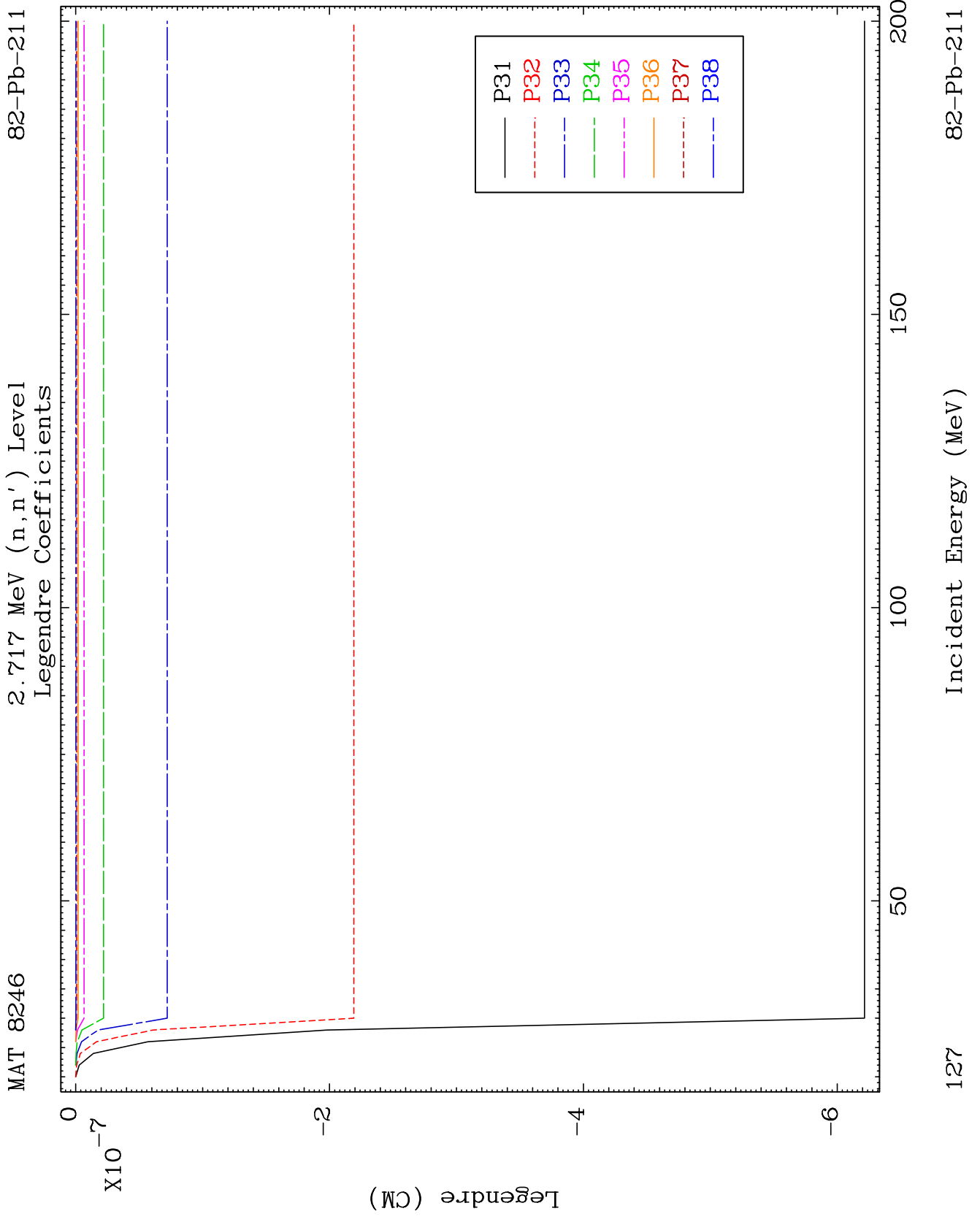
2.717 MeV (n,n') Level  
Legendre Coefficients

82-Pb-211



126

82-Pb-211

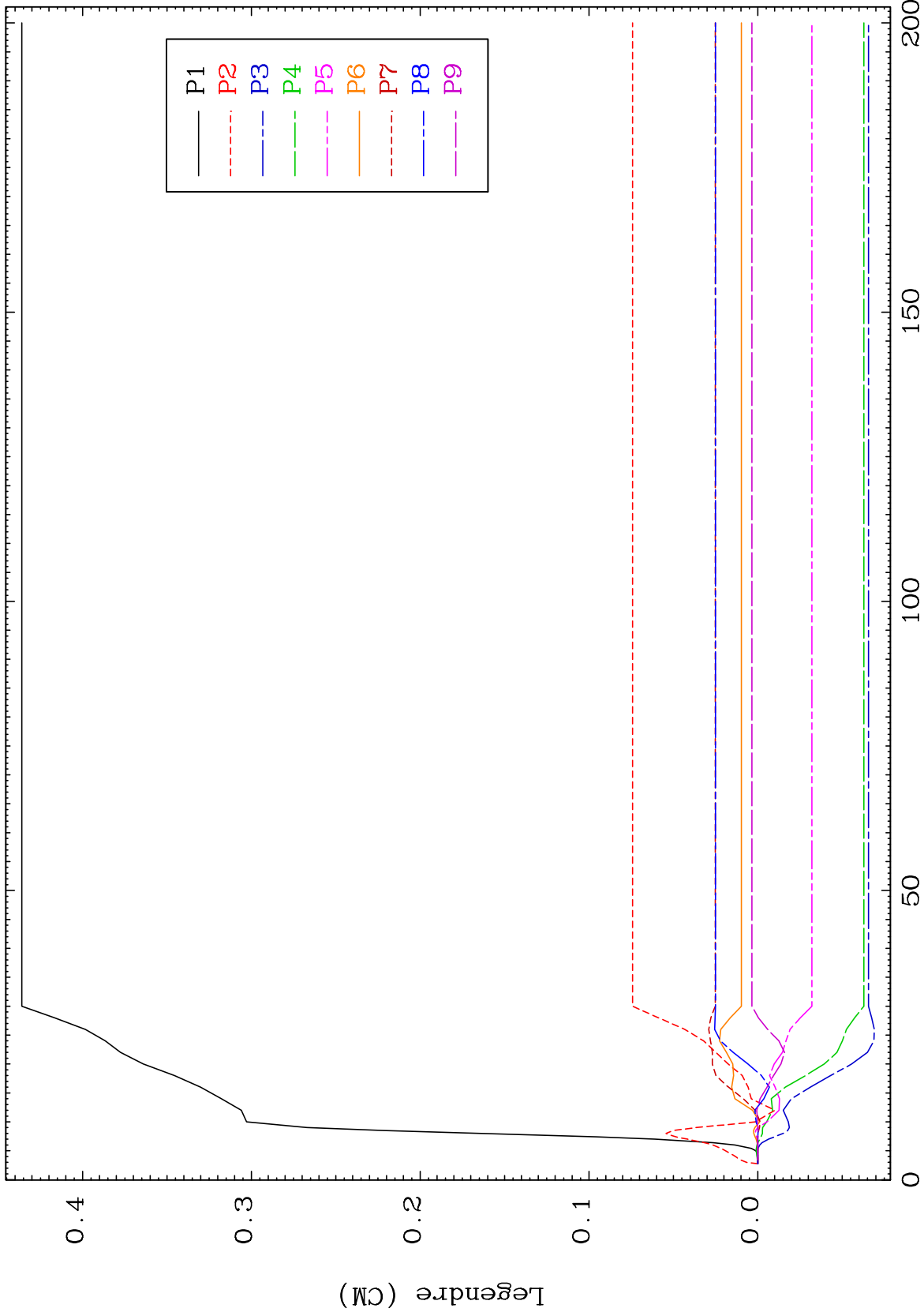




MAT 8246

2.729 MeV (n,n') Level  
Legendre Coefficients

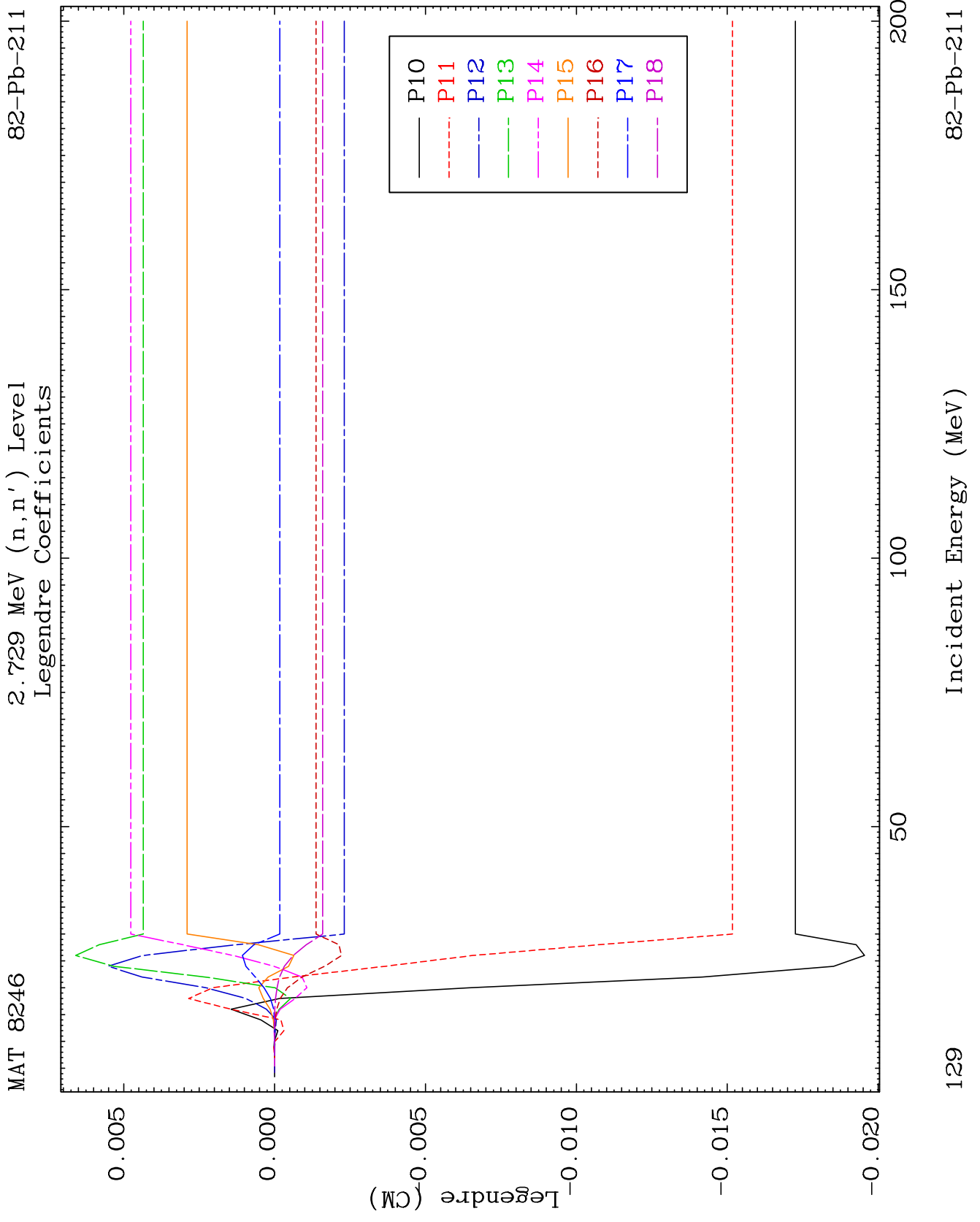
82-Pb-211

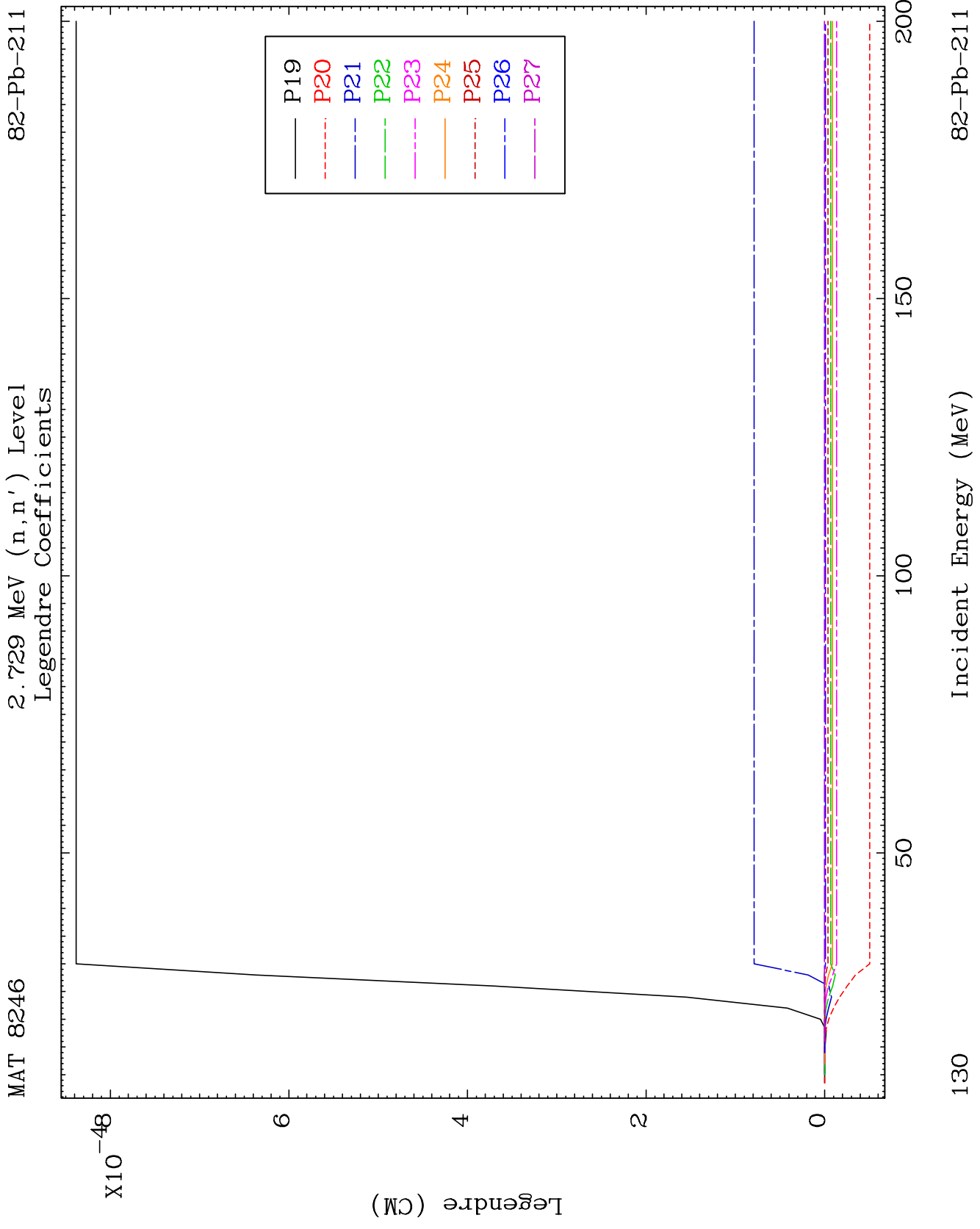


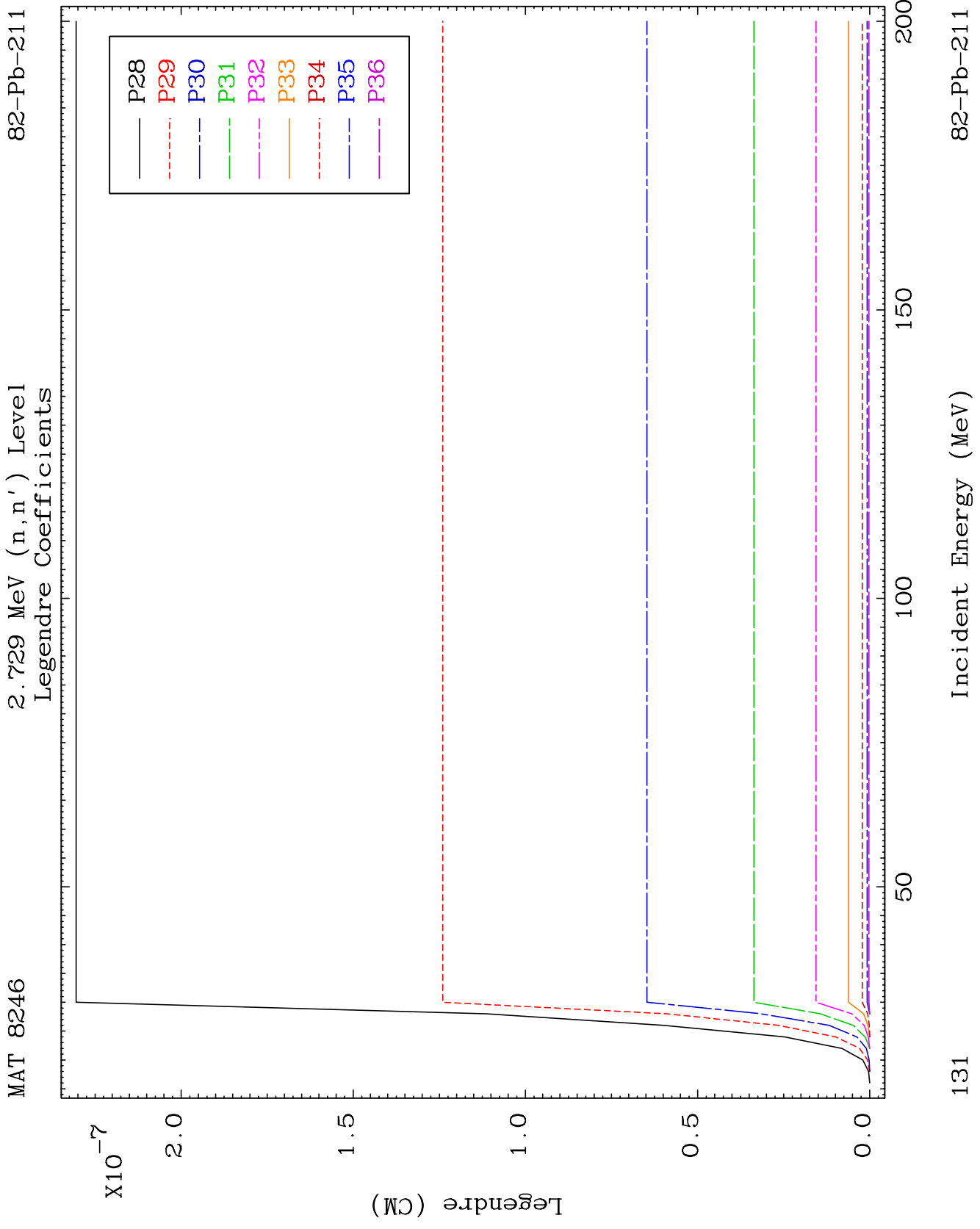
128

Incident Energy (MeV)

82-Pb-211







MAT 8246

Fission

82-Pb-211

Radionuclide Production Cross Section

