

Program EVALPLOT  
(Version 2015-2)

by

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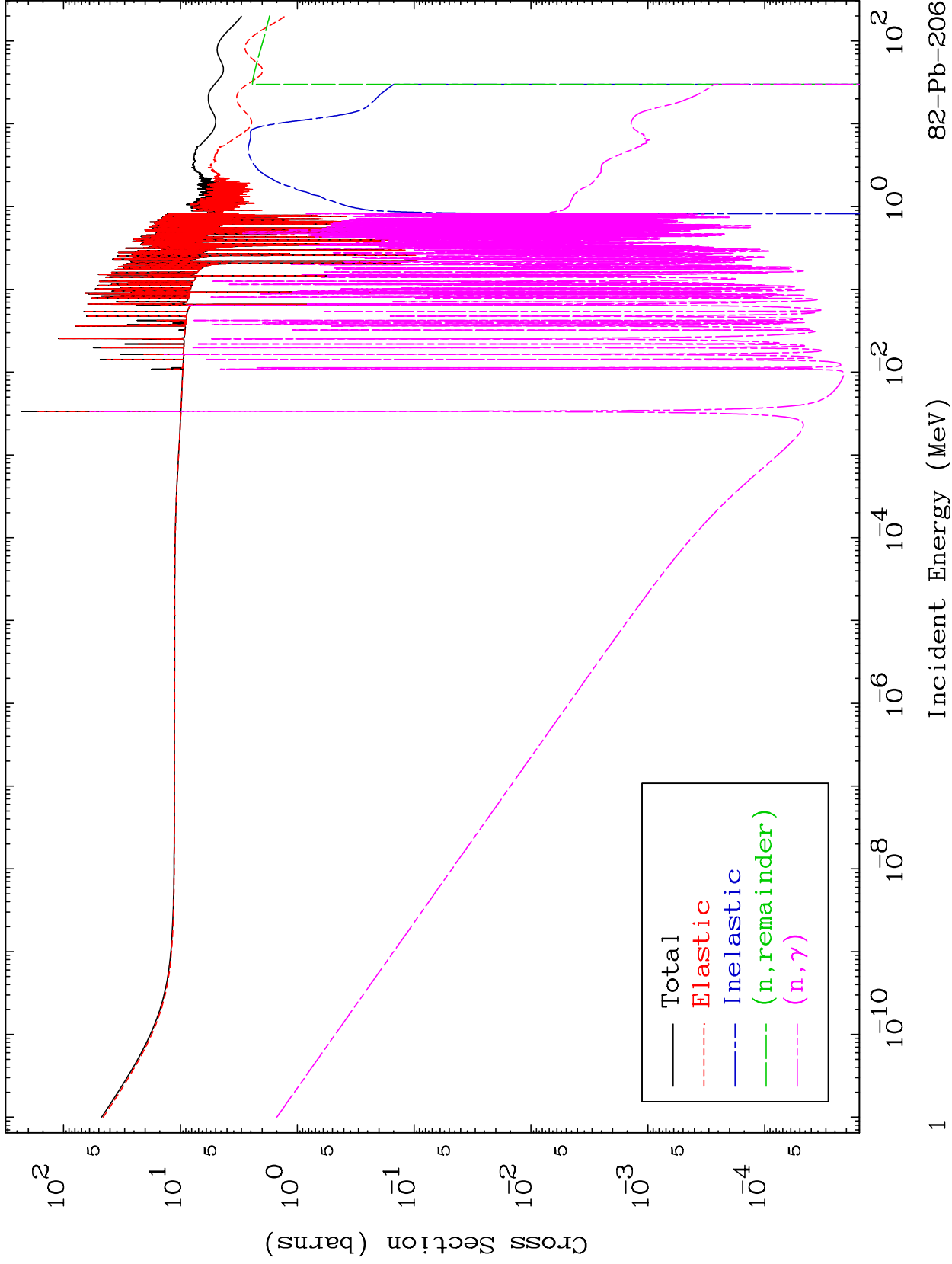
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 8231

Major  
293 Kelvin Cross Sections

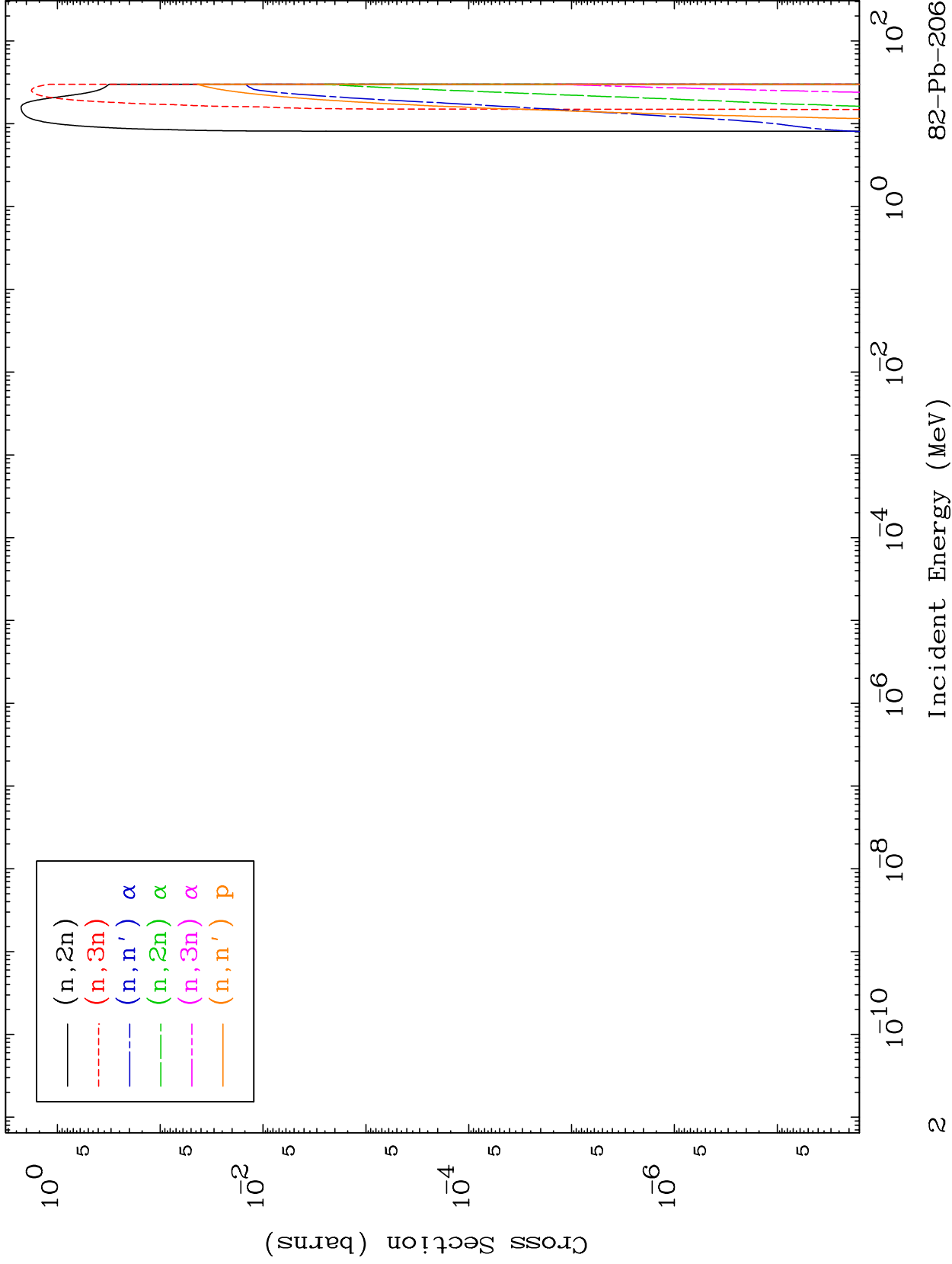
82-Pb-206

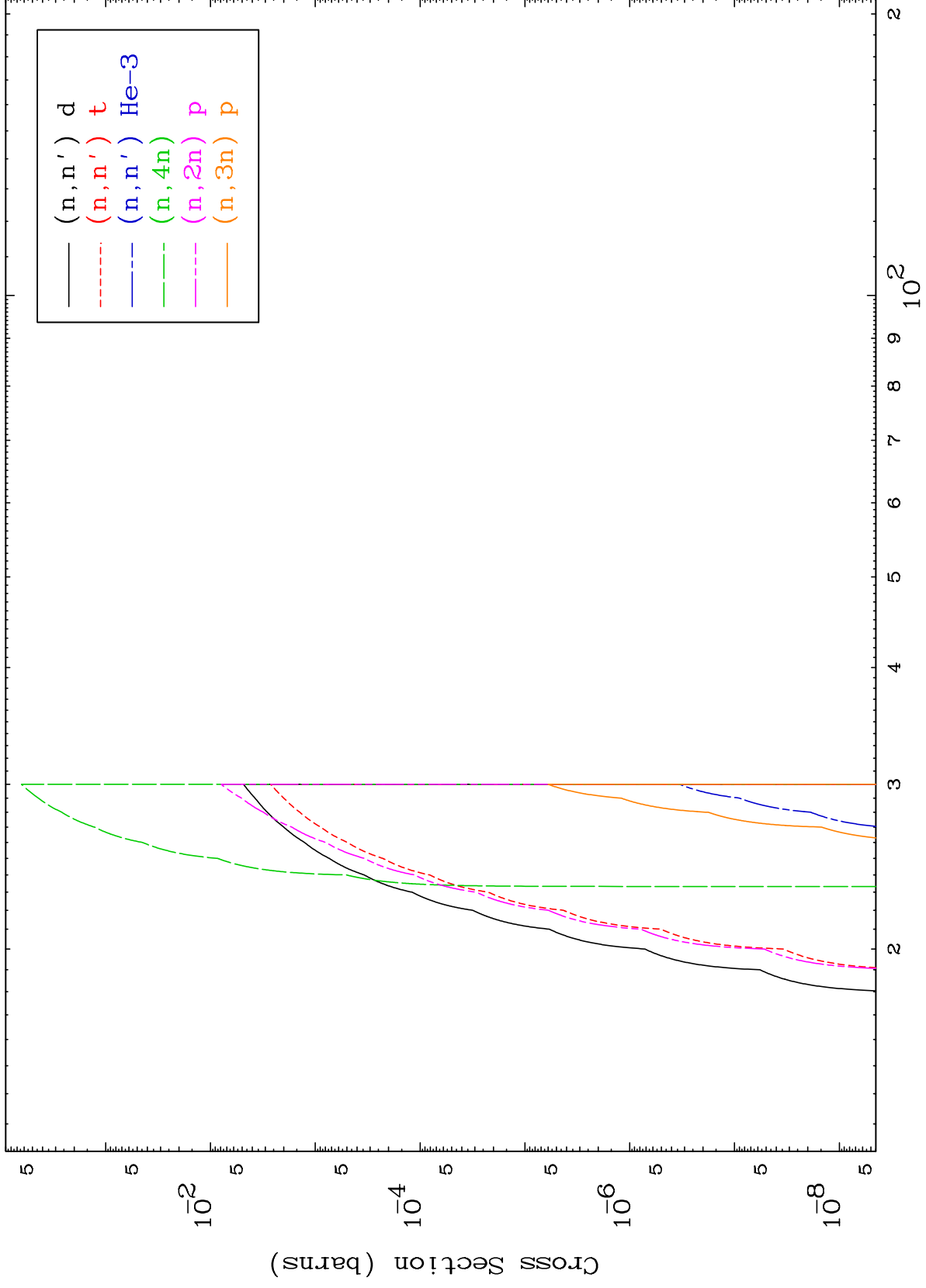


MAT 8231

Neutron Production  
293 Kelvin Cross Sections

82-Pb-206

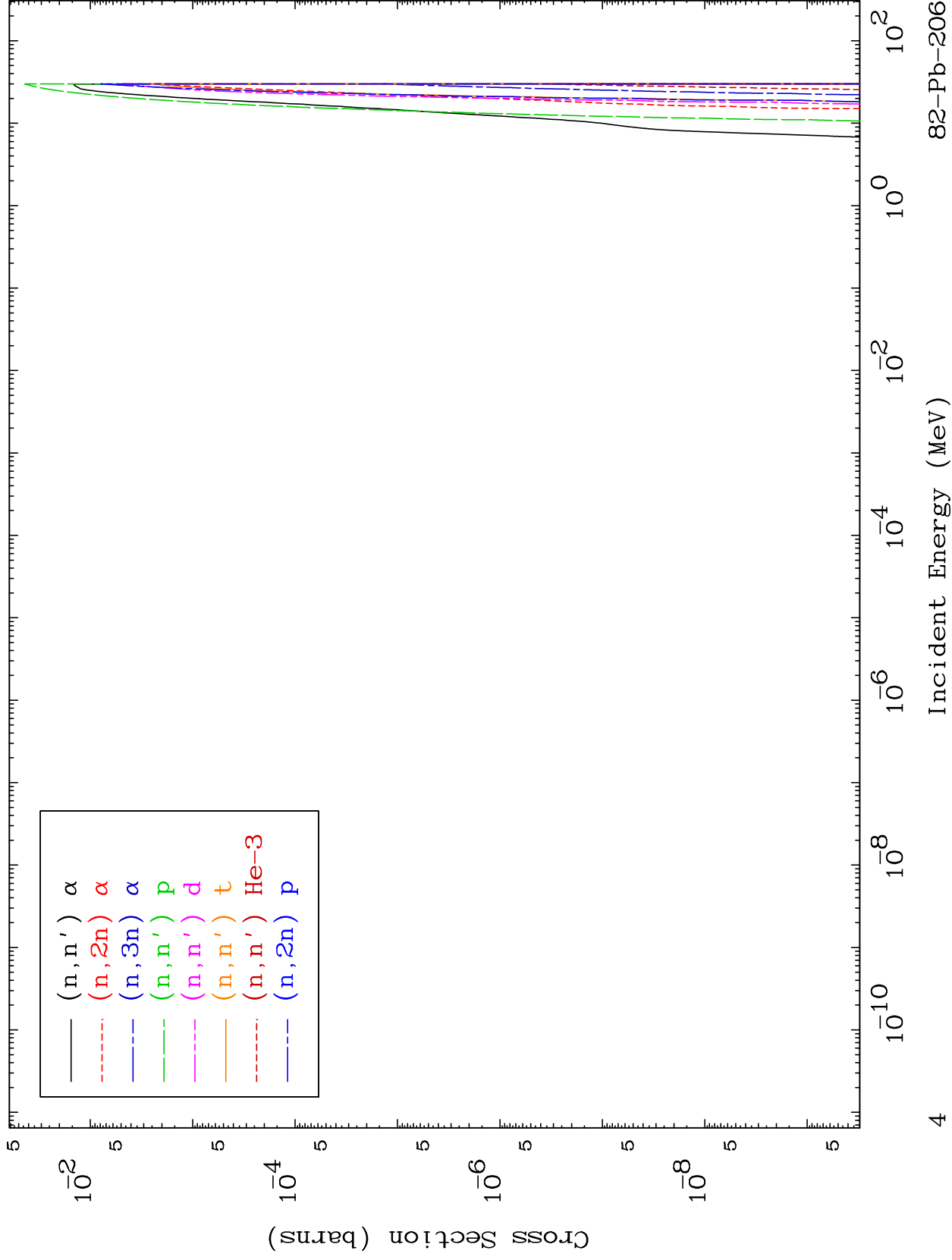




MAT 8231

Charged Particle  
293 Kelvin Cross Sections

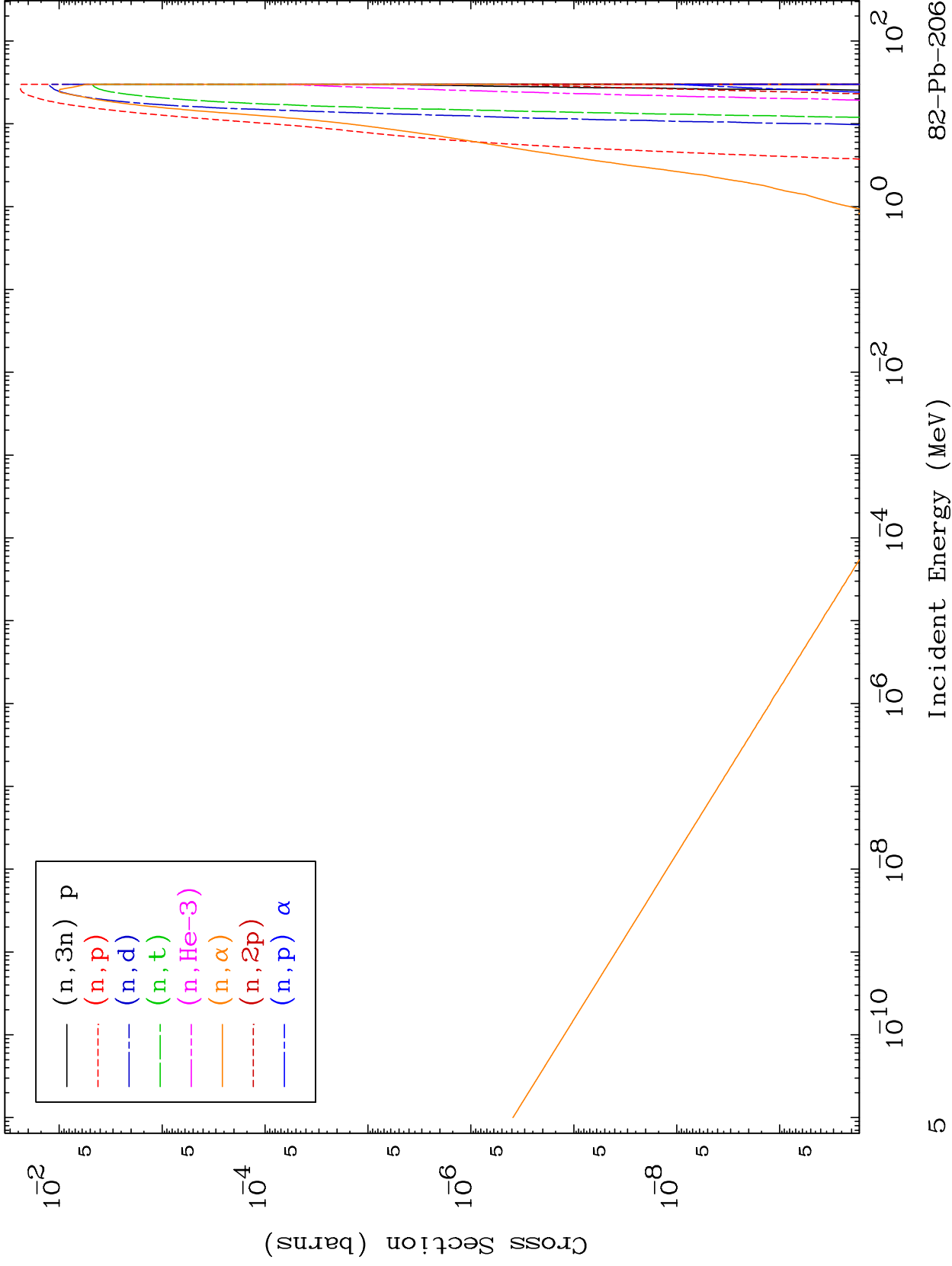
82-Pb-206



MAT 8231

Charged Particle  
293 Kelvin Cross Sections

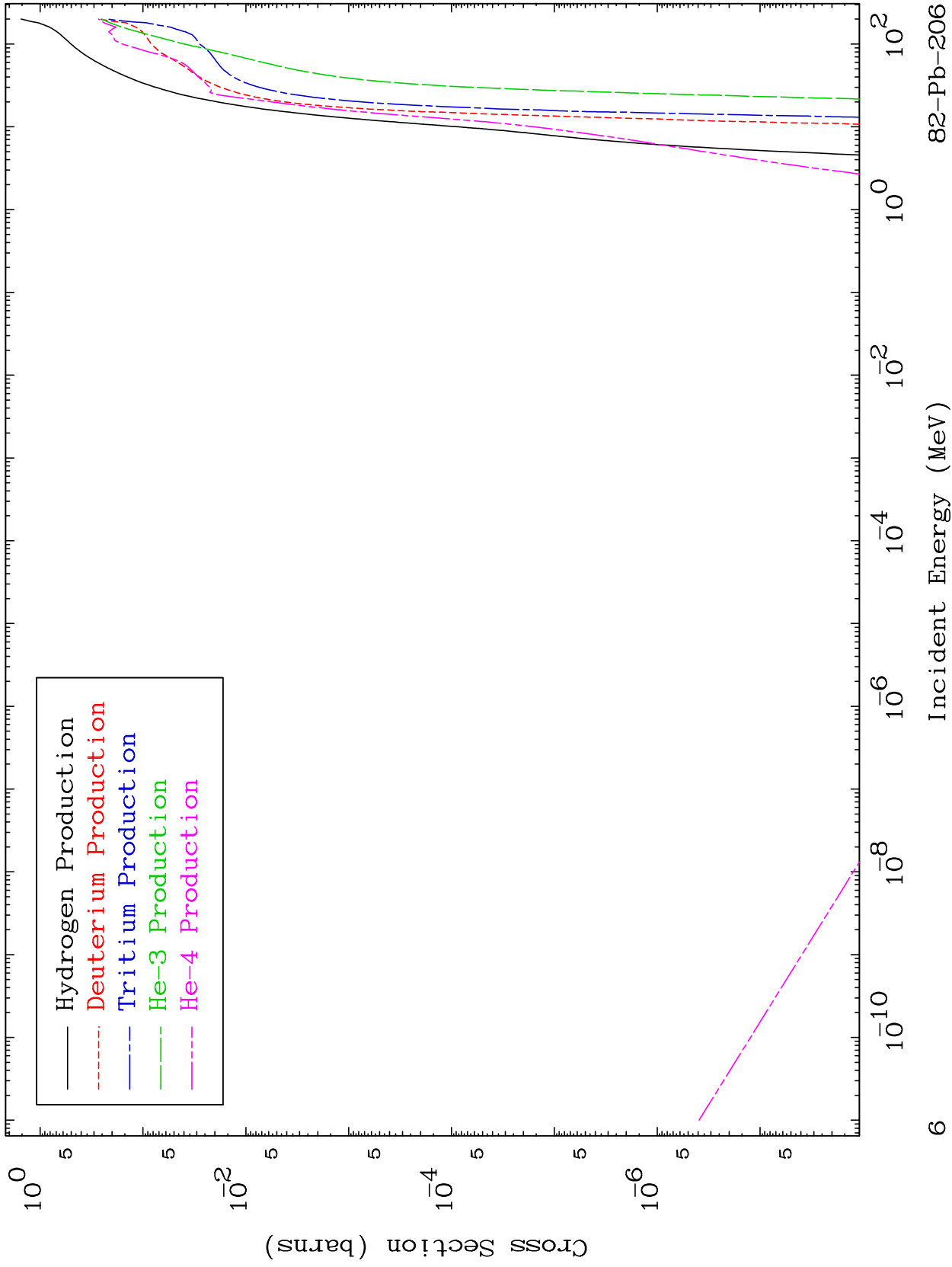
82-Pb-206



5

Incident Energy (MeV)

82-Pb-206

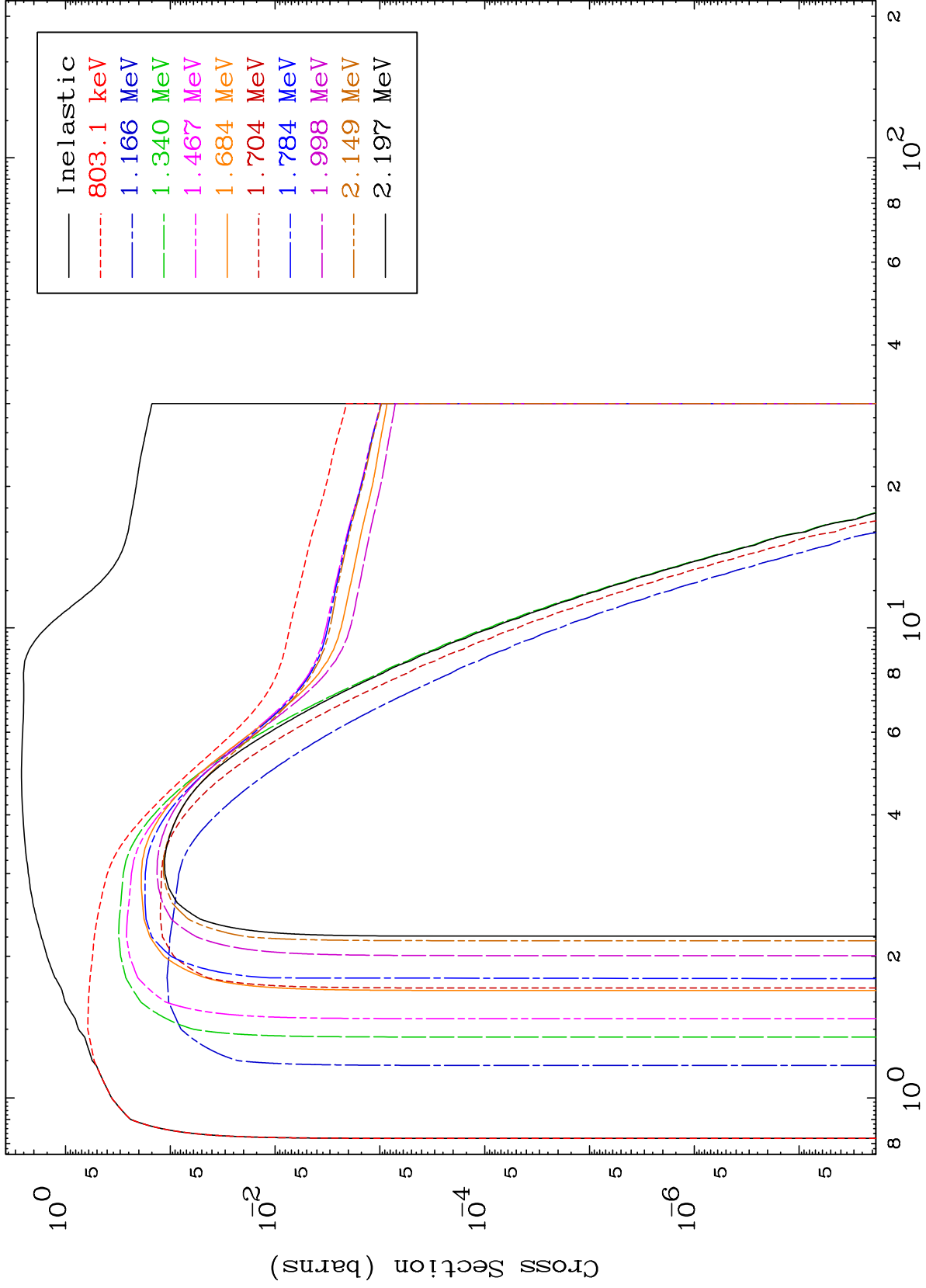


MAT 8231

(n,n') Level

82-Pb-206

293 Kelvin Cross Sections



Incident Energy (MeV)

82-Pb-206

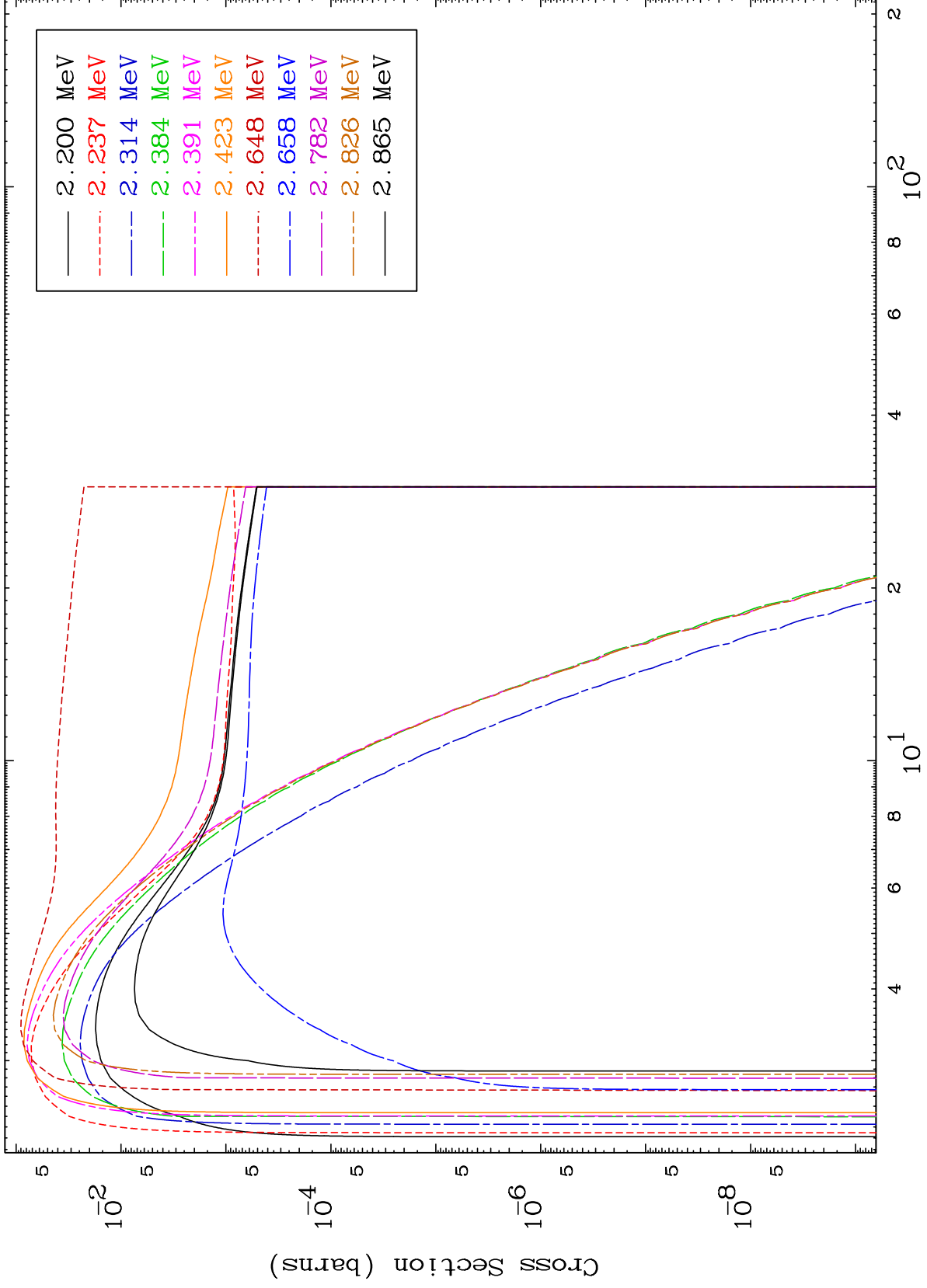
7



MAT 8231

(n,n') Level  
293 Kelvin Cross Sections

82-Pb-206



8

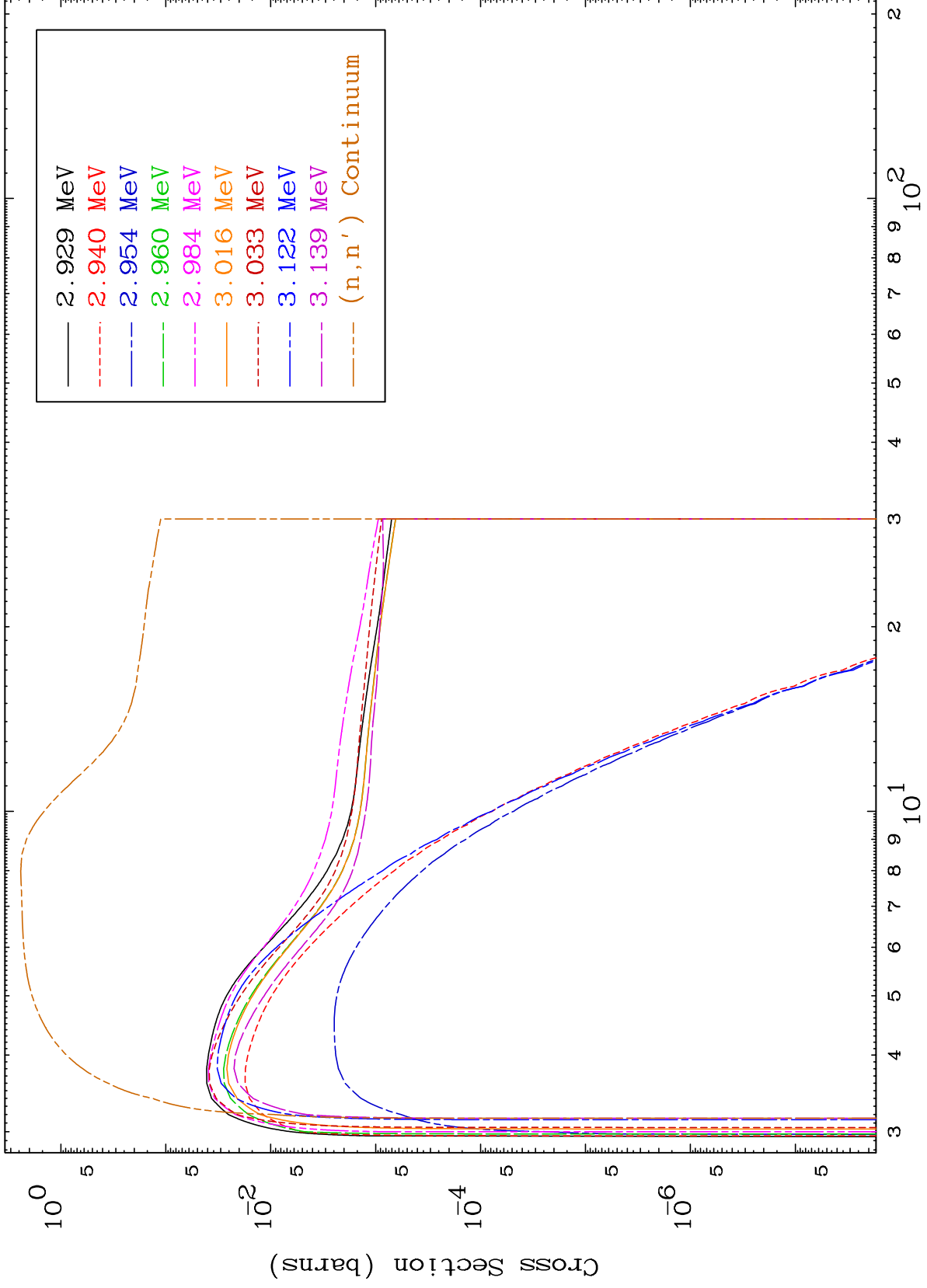
Incident Energy (MeV)

82-Pb-206

MAT 8231

(n,n') Level  
293 Kelvin Cross Sections

82-Pb-206



9

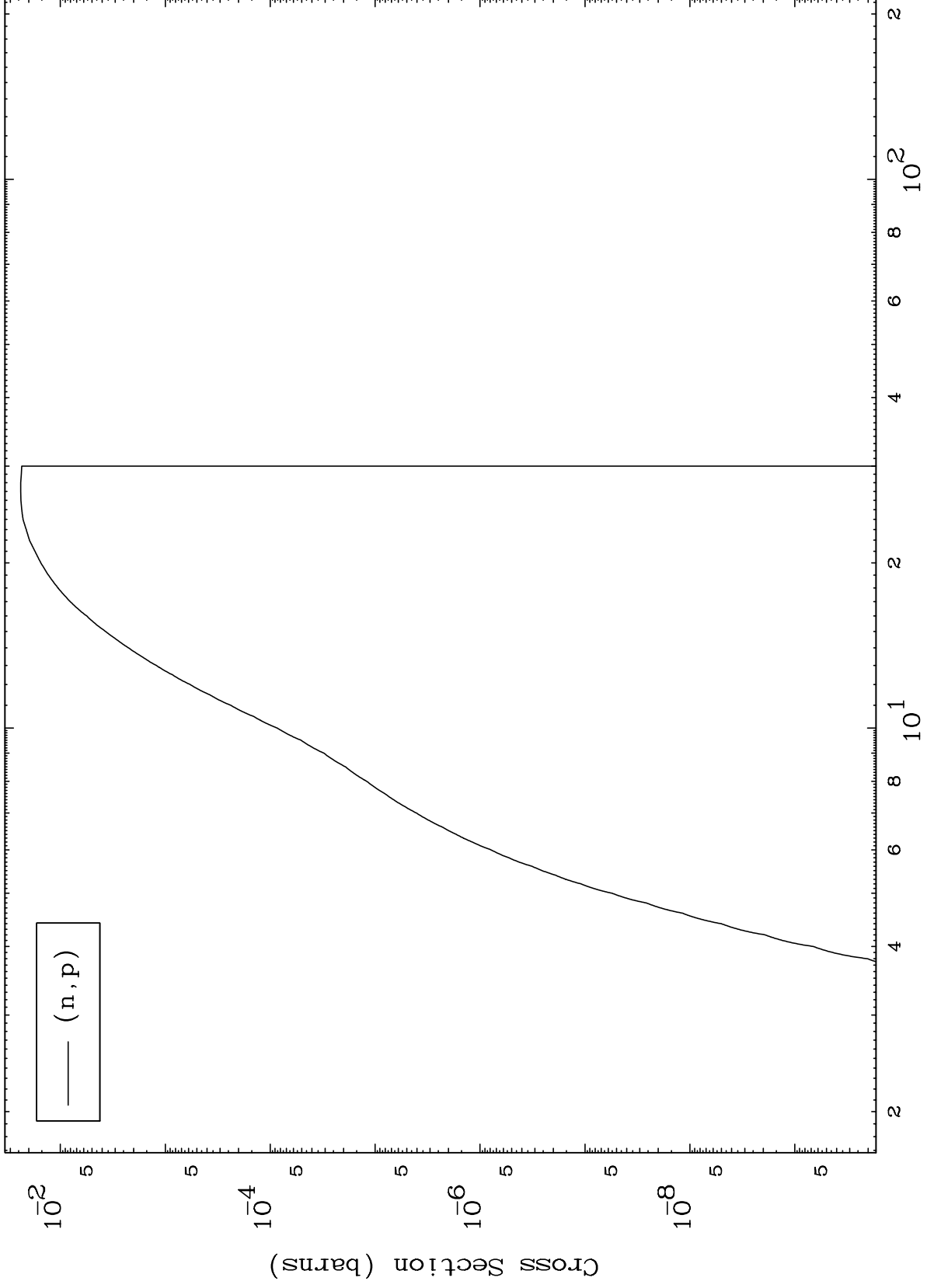
Incident Energy (MeV)

82-Pb-206

MAT 8231

(n,p) Levels  
293 Kelvin Cross Sections

82-Pb-206



10

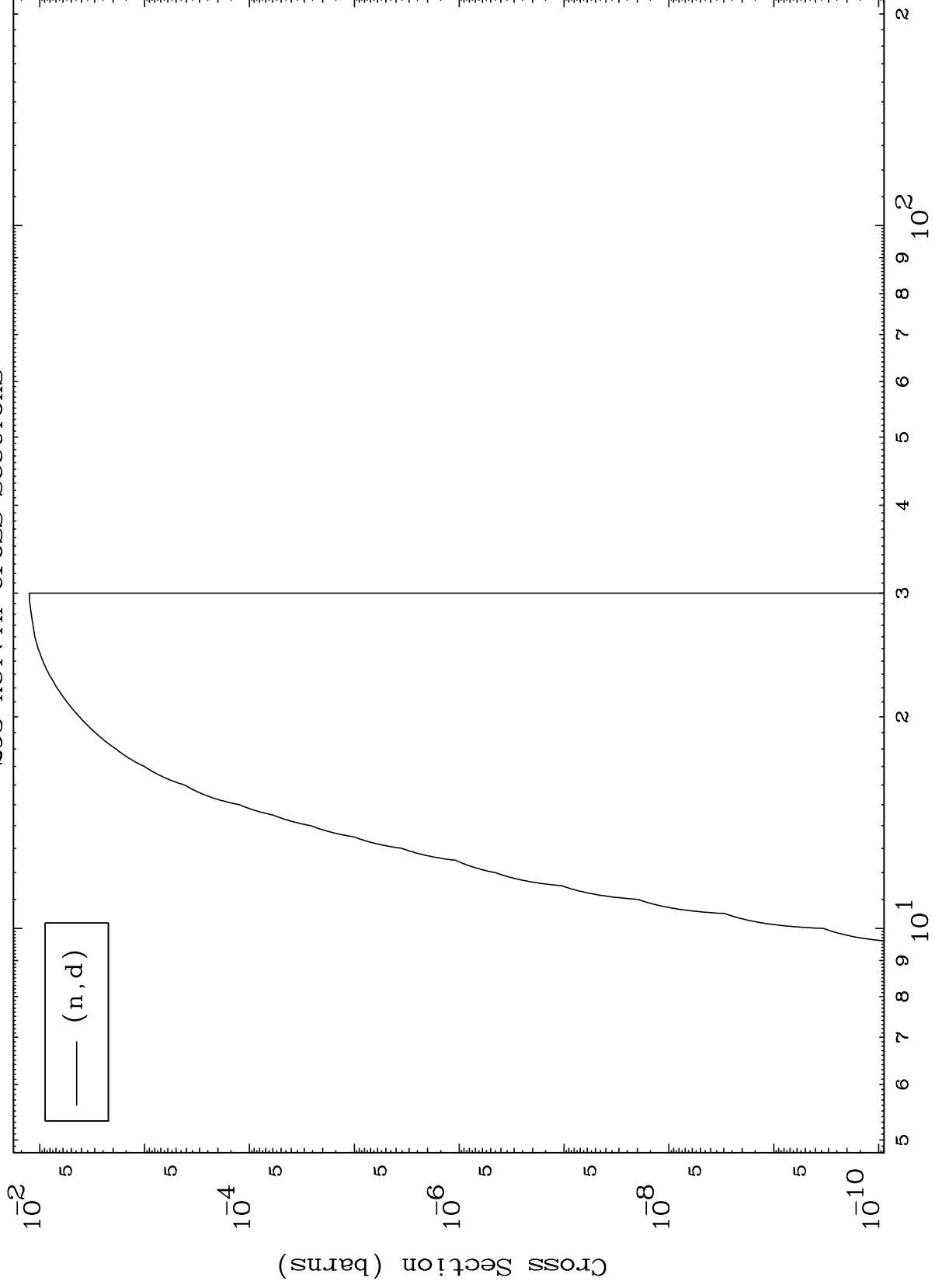
Incident Energy (MeV)

82-Pb-206

MAT 8231

(n,d) Levels  
293 Kelvin Cross Sections

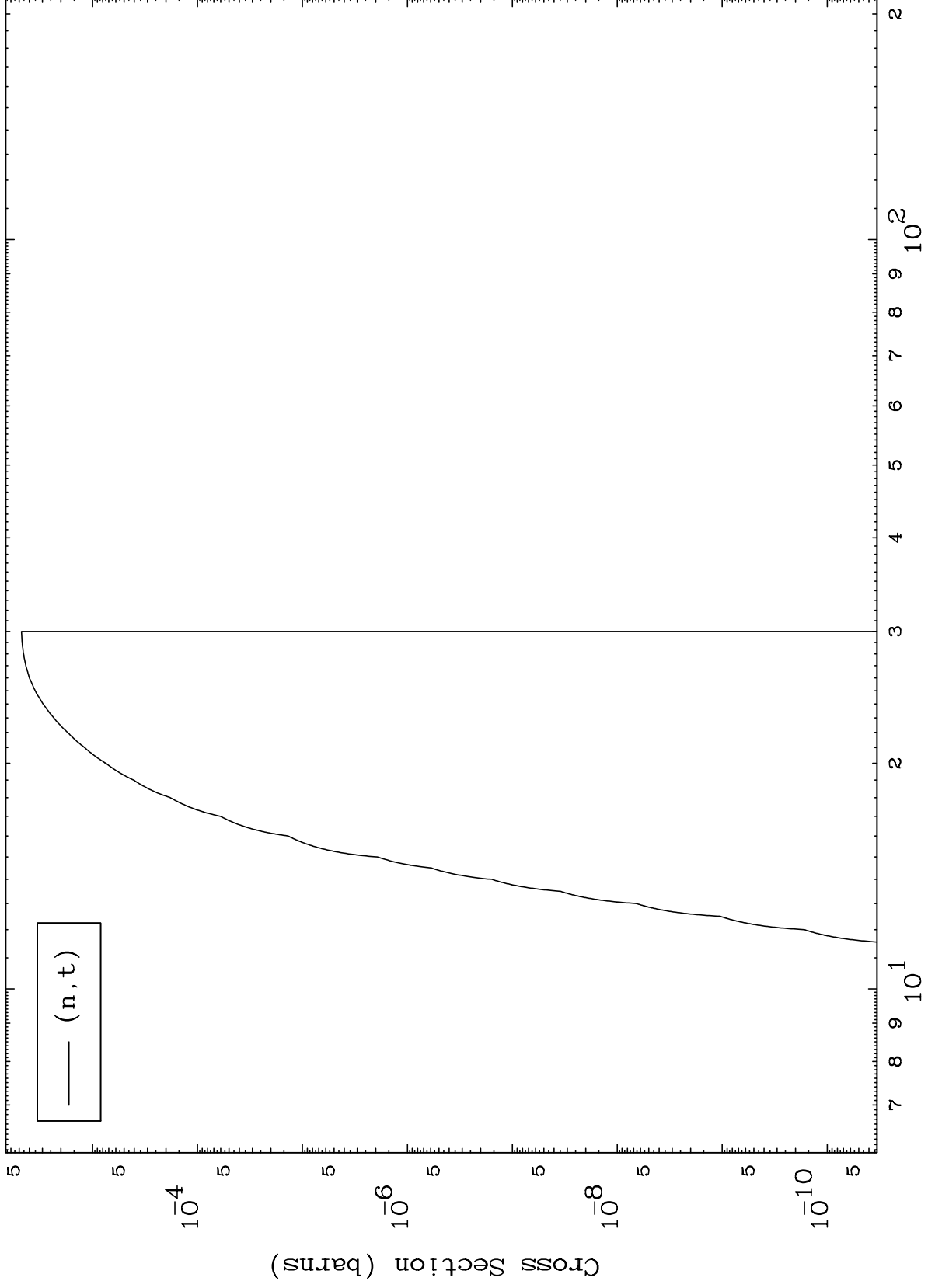
82-Pb-206



MAT 8231

(n,t) Levels  
293 Kelvin Cross Sections

82-Pb-206



12

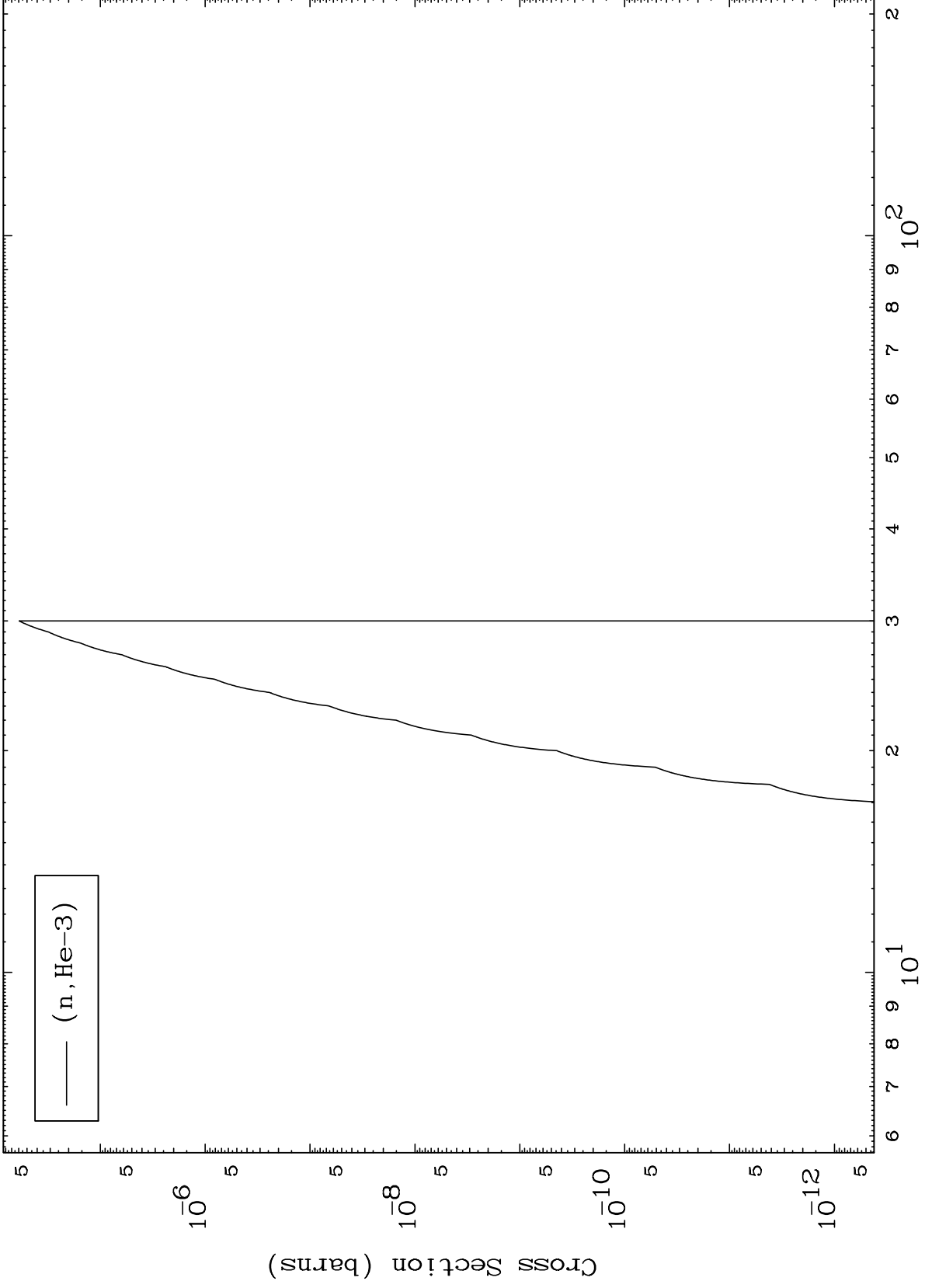
Incident Energy (MeV)

82-Pb-206

MAT 8231

(n,He3) Levels  
293 Kelvin Cross Sections

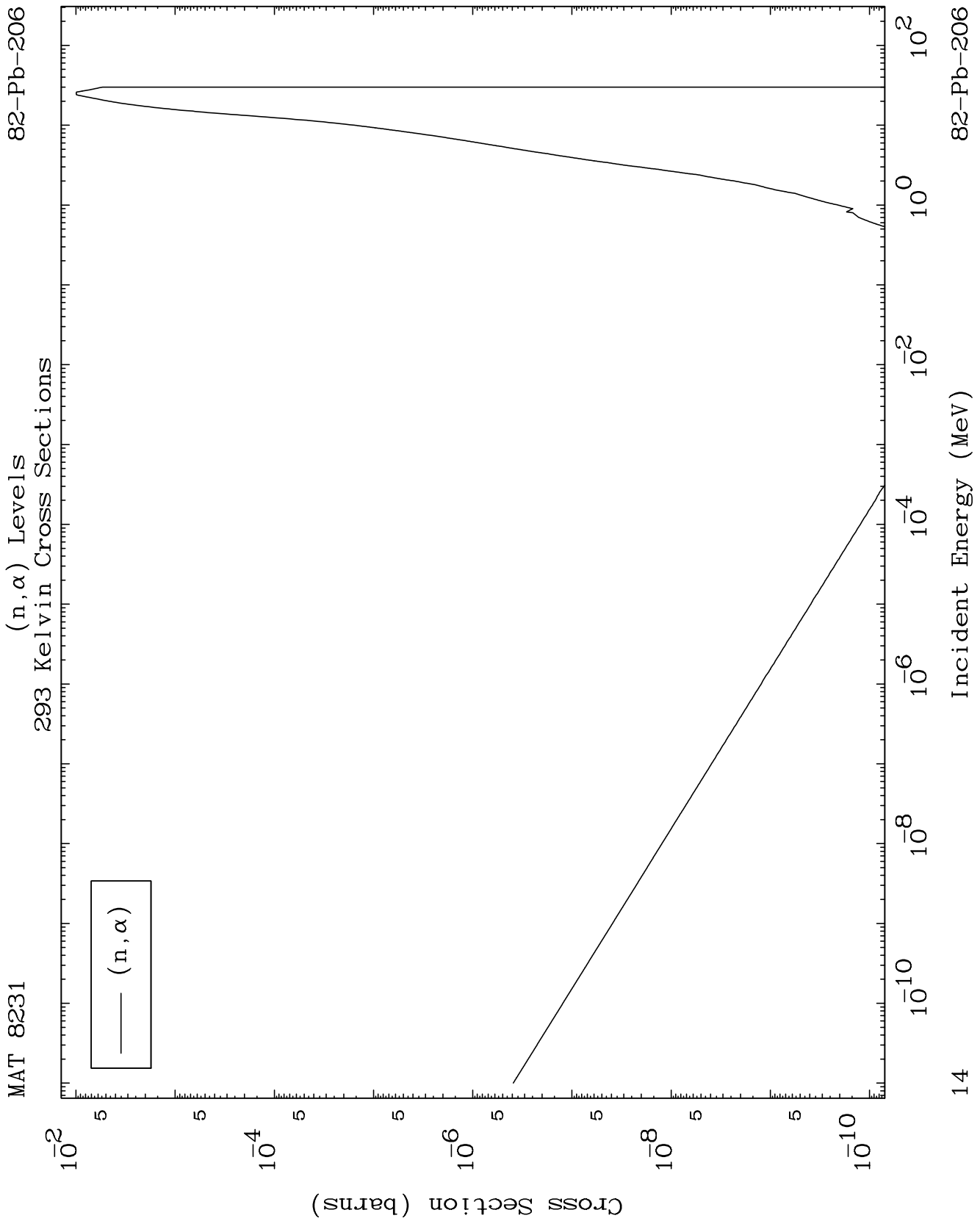
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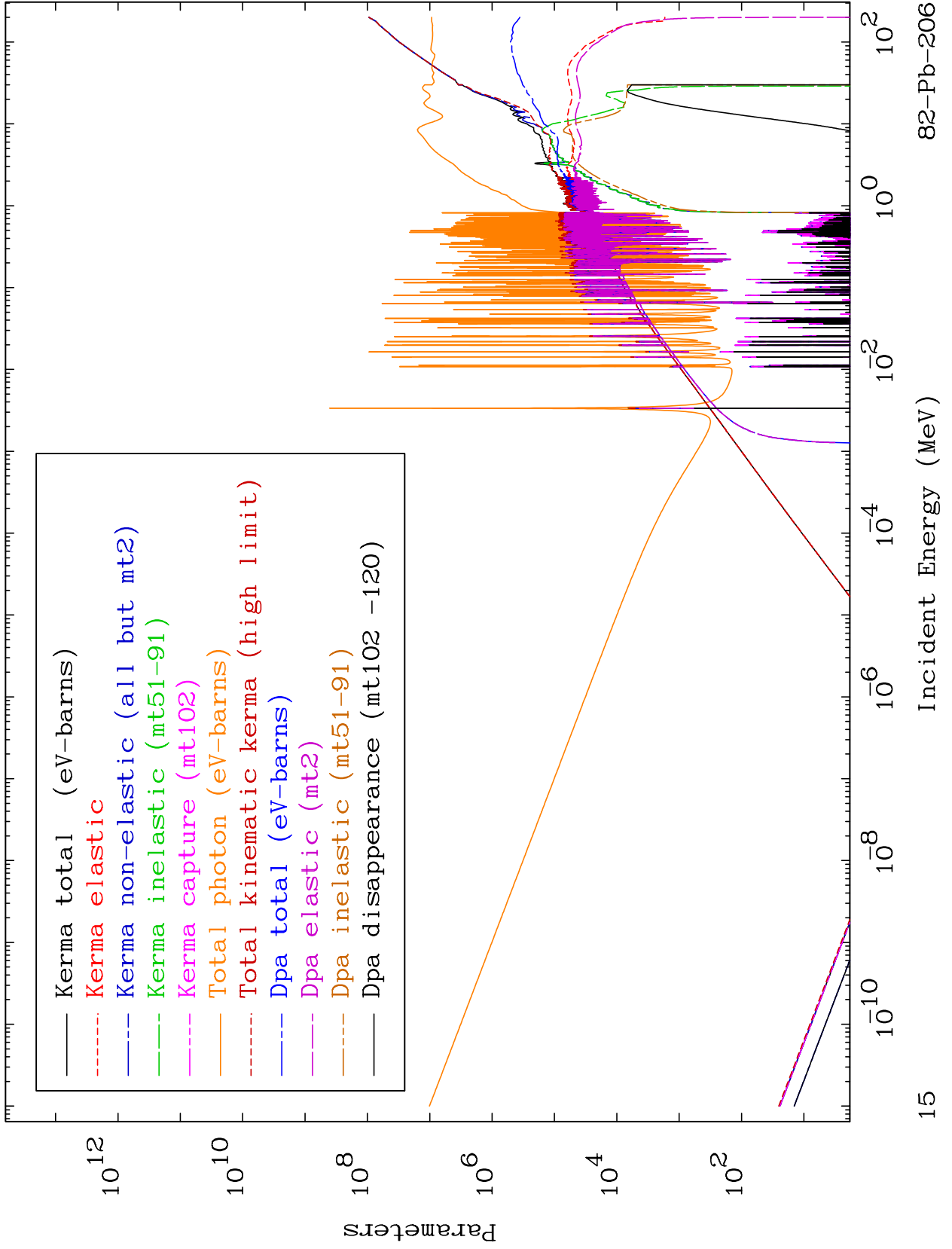


13

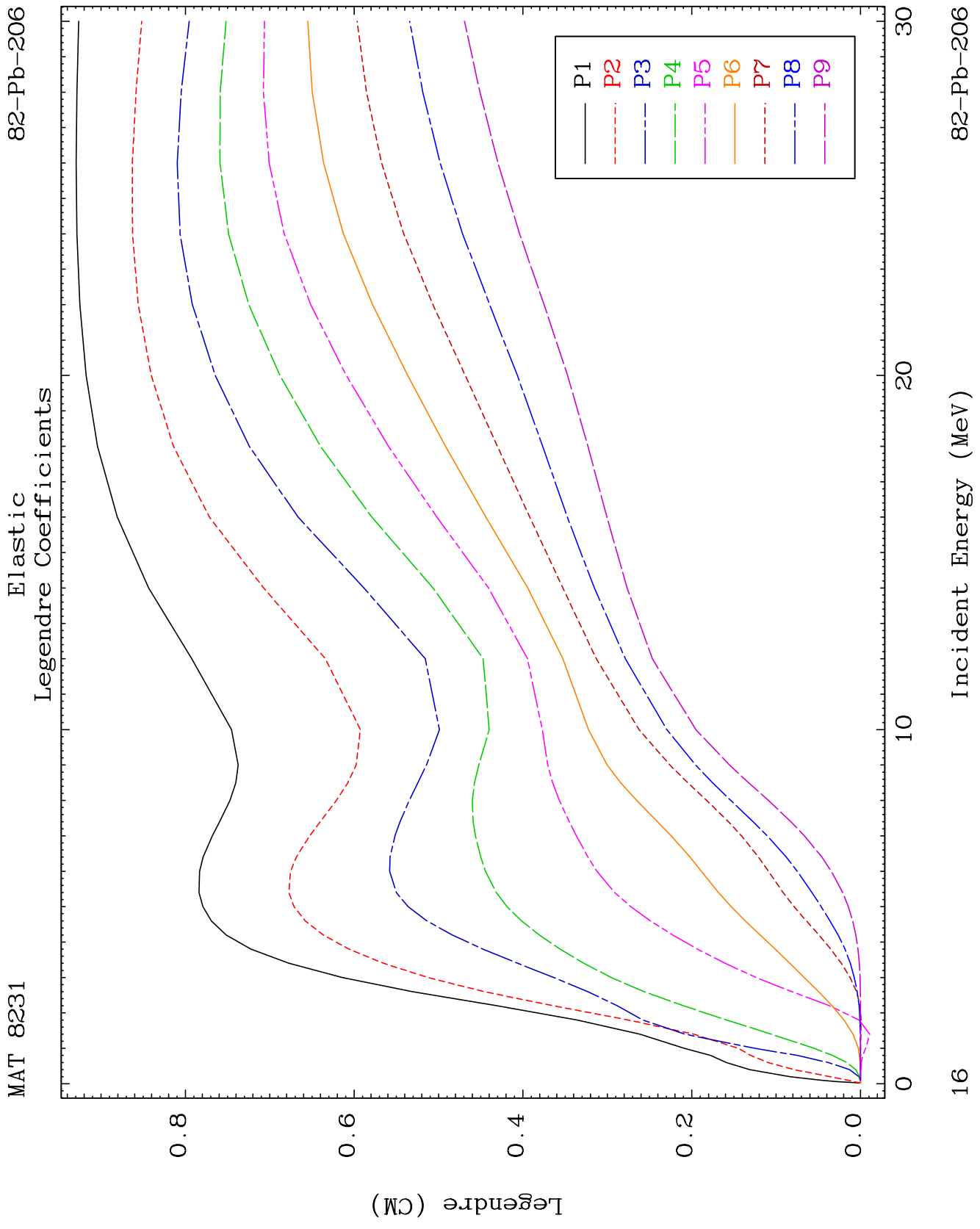
Incident Energy (MeV)

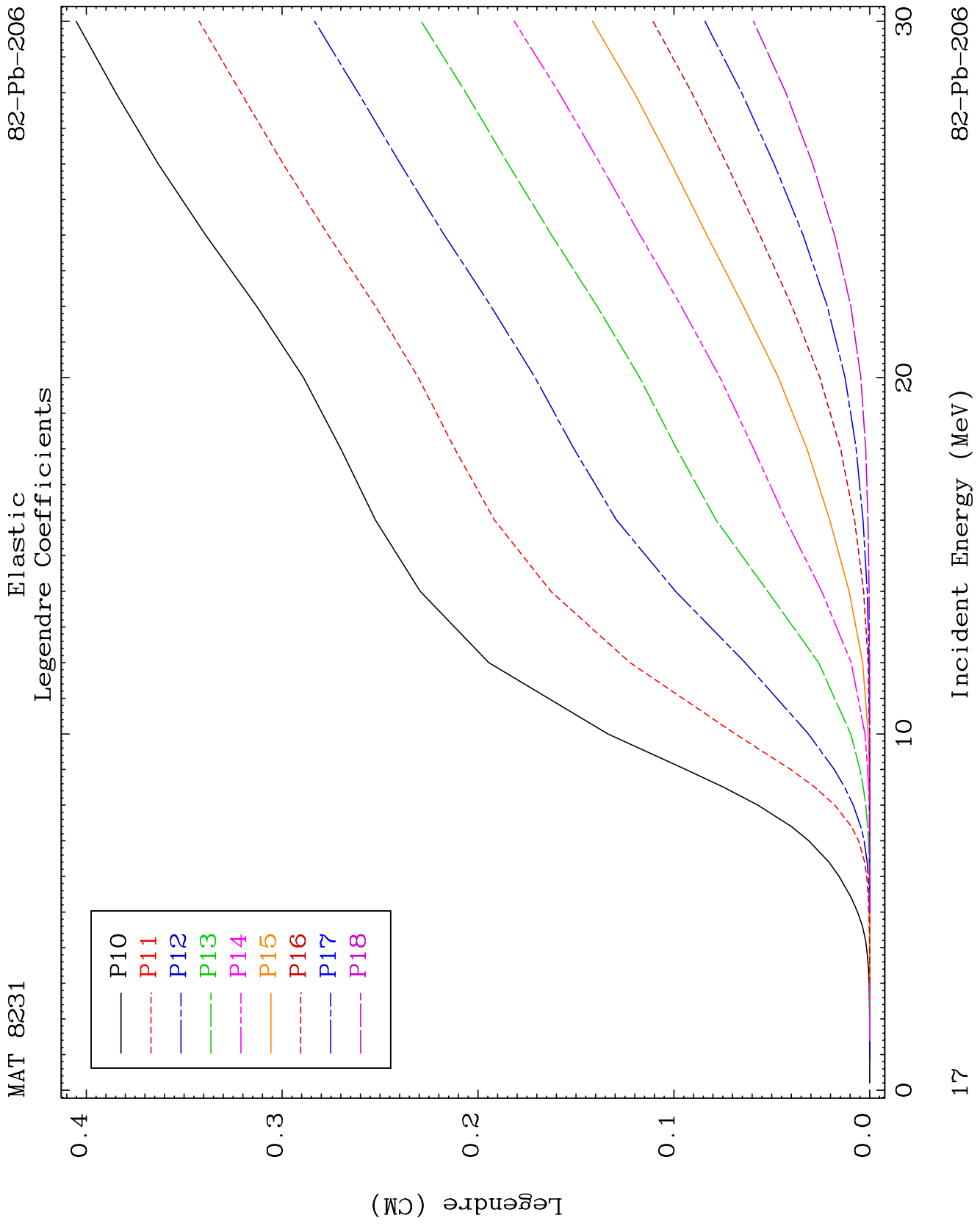
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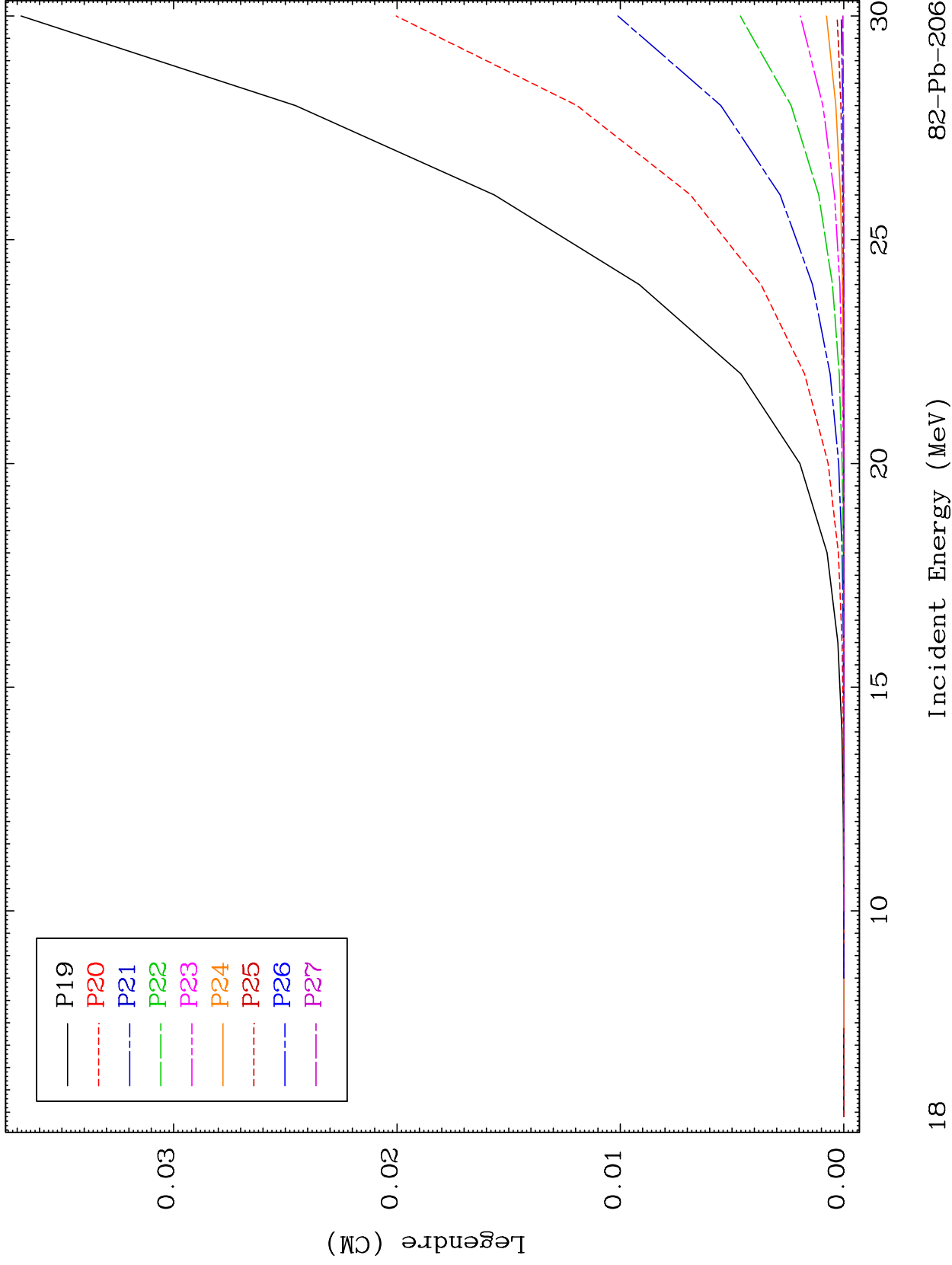




MAT 8231

### Elastic Legendre Coefficients

82-Pb-206



18

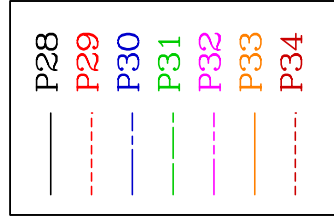
Incident Energy (MeV)

82-Pb-206

MAT 8231

Elastic  
Legendre Coefficients

82-Pb-206



$\times 10^{-5}$

1.2

Legendre (CM)

0.8

0.4

0.0

15

20

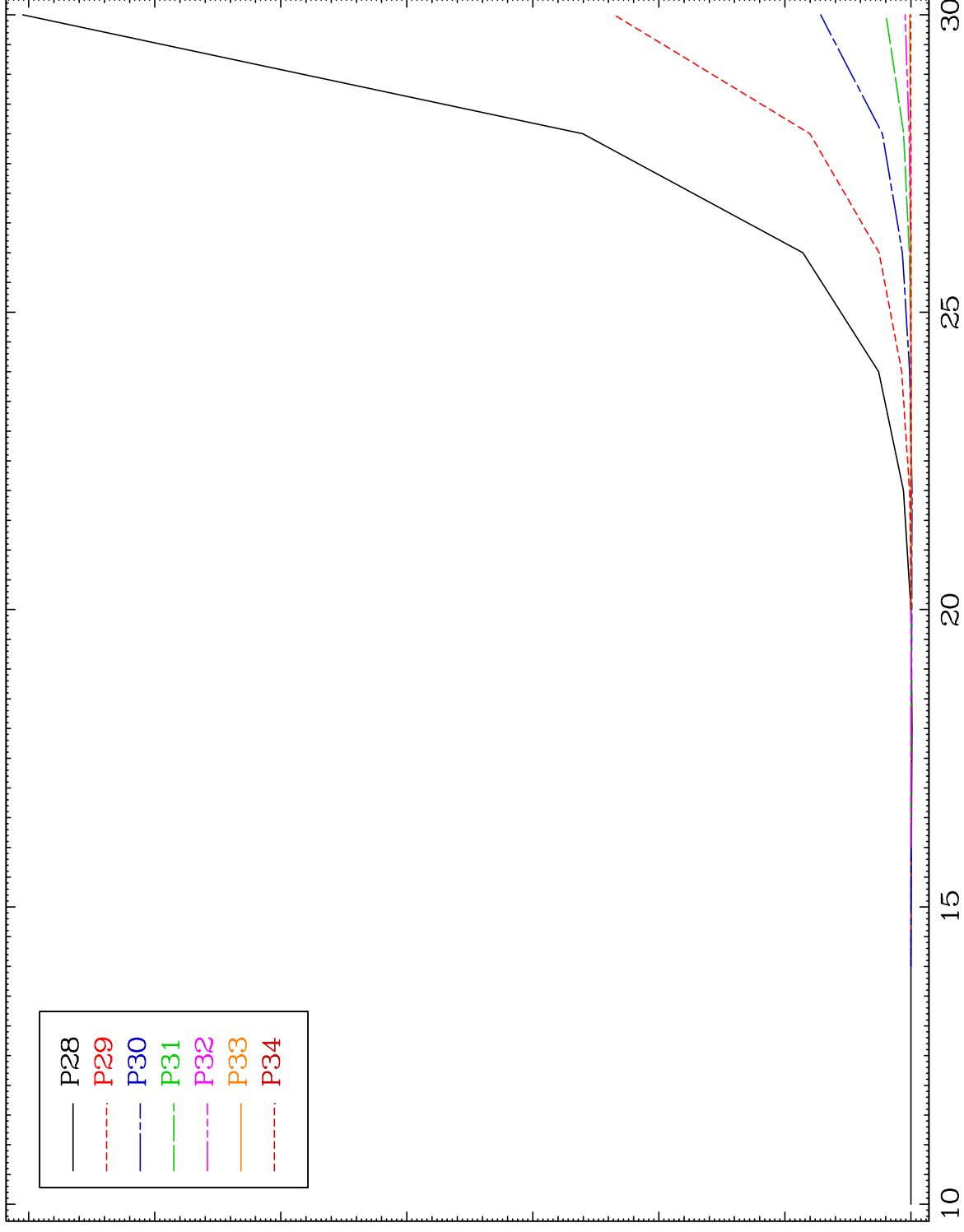
25

30

19

Incident Energy (MeV)

82-Pb-206

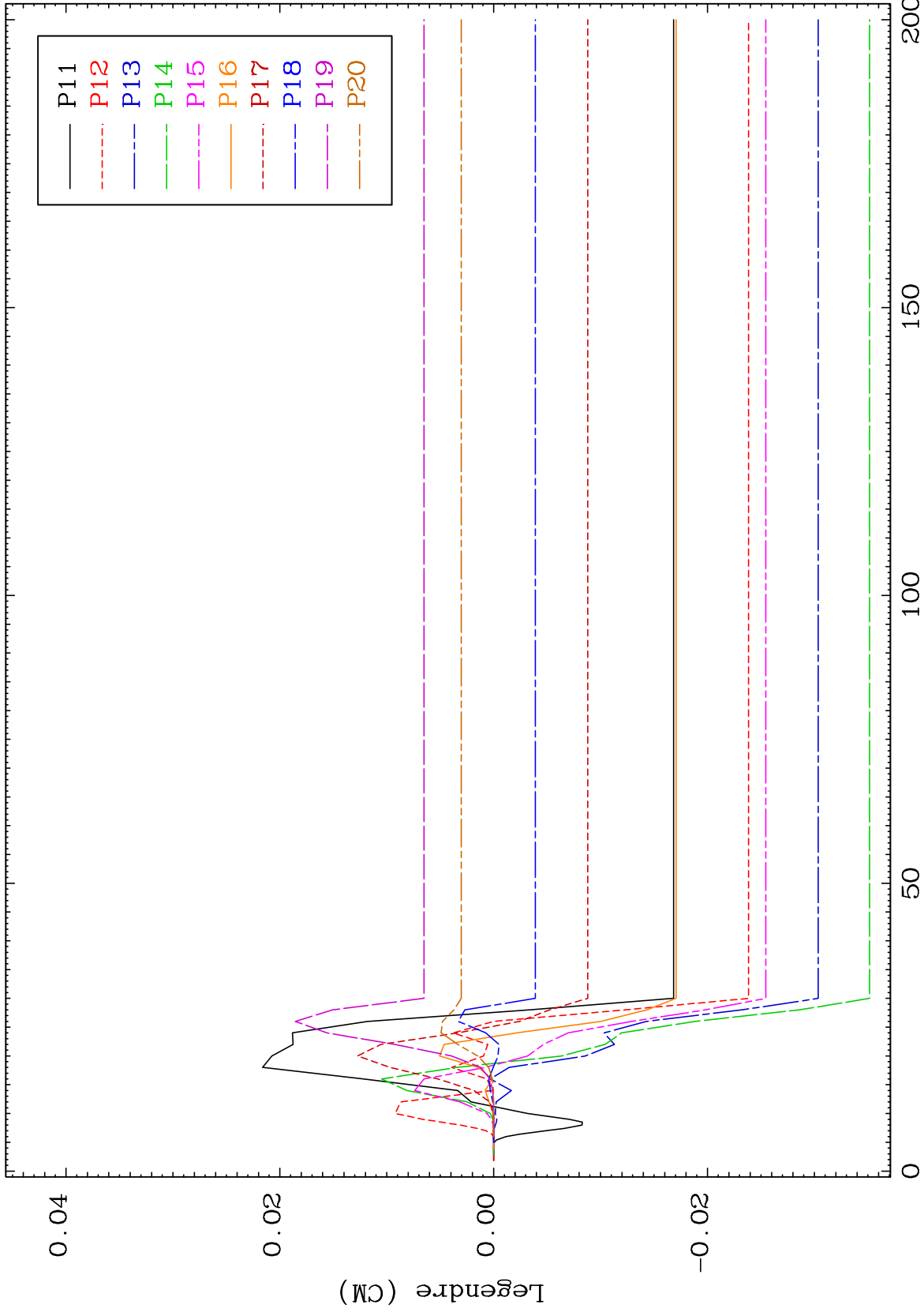




MAT 8231

803.1 keV (n,n') Level  
Legendre Coefficients

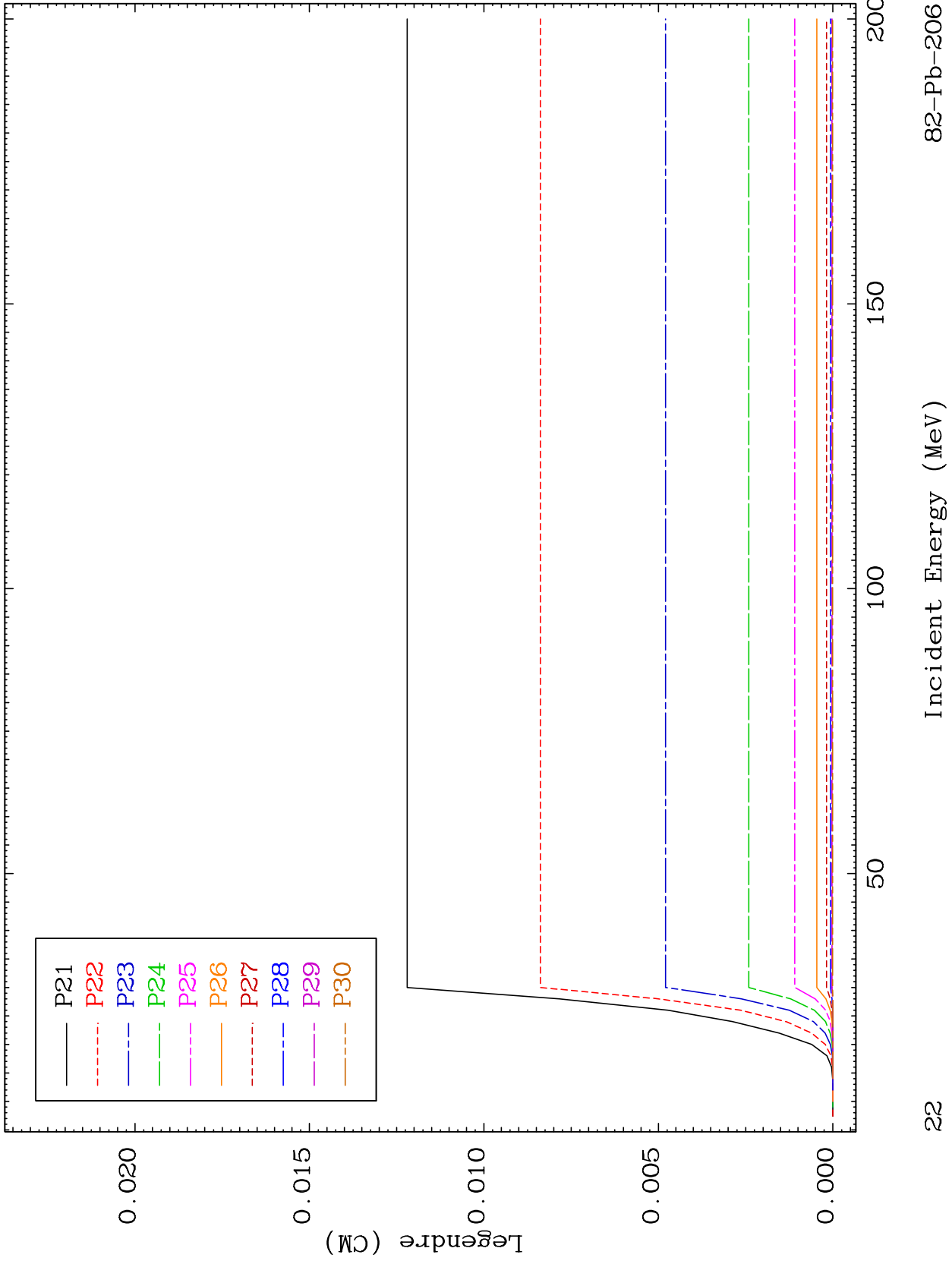
82-Pb-206



21

Incident Energy (MeV)

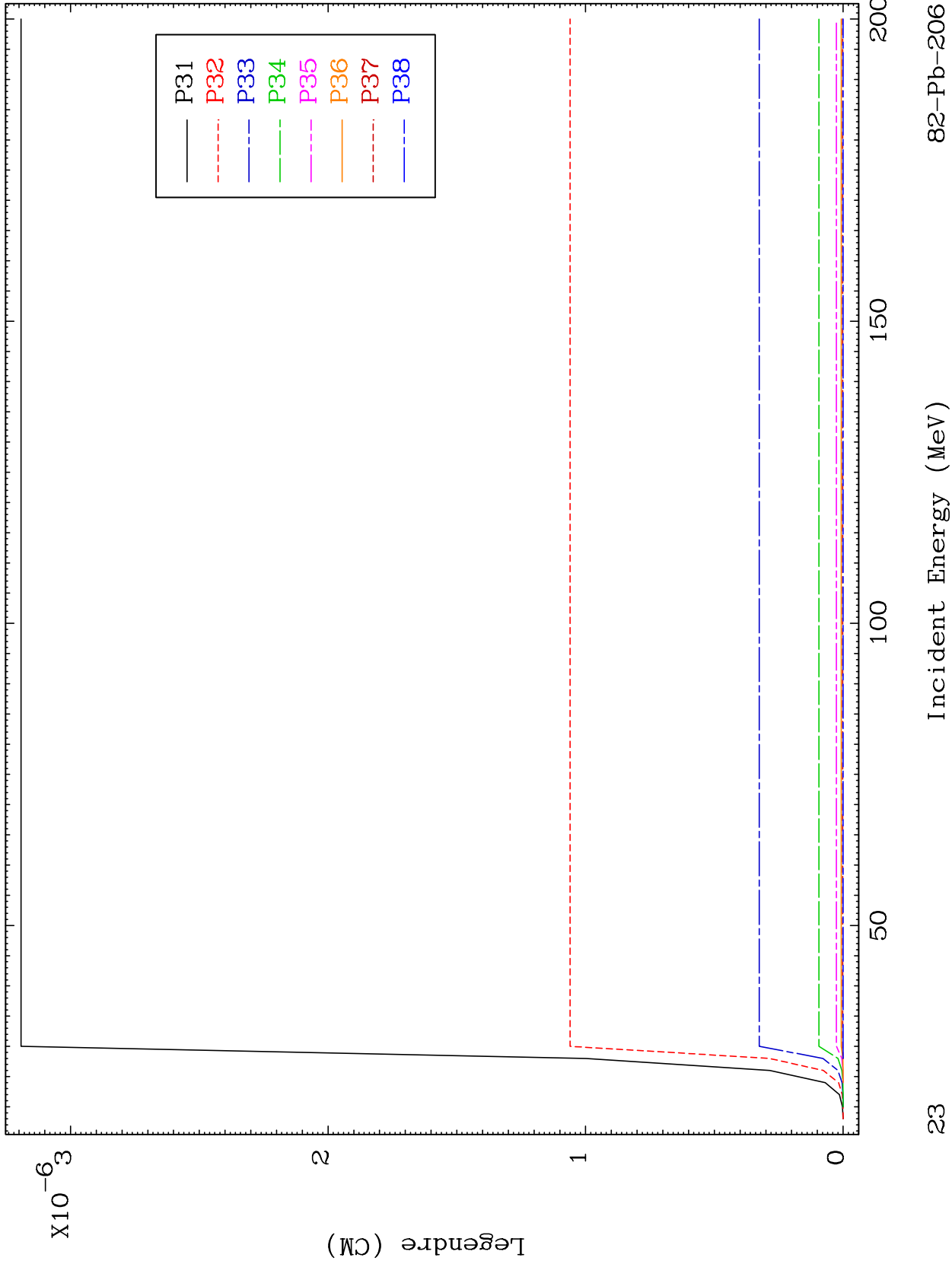
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MAT 8231

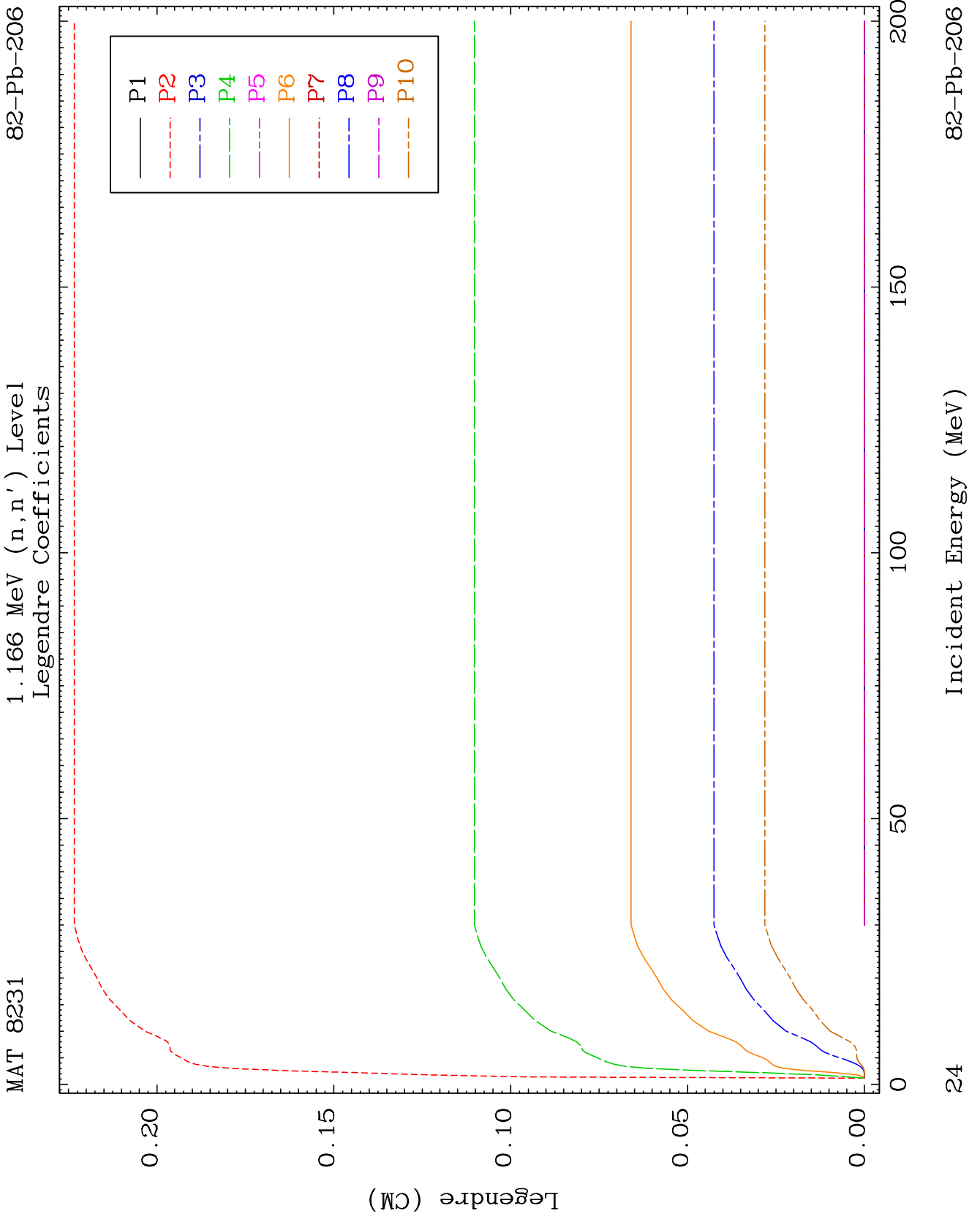
803.1 keV (n,n') Level  
Legendre Coefficients

82-Pb-206



23

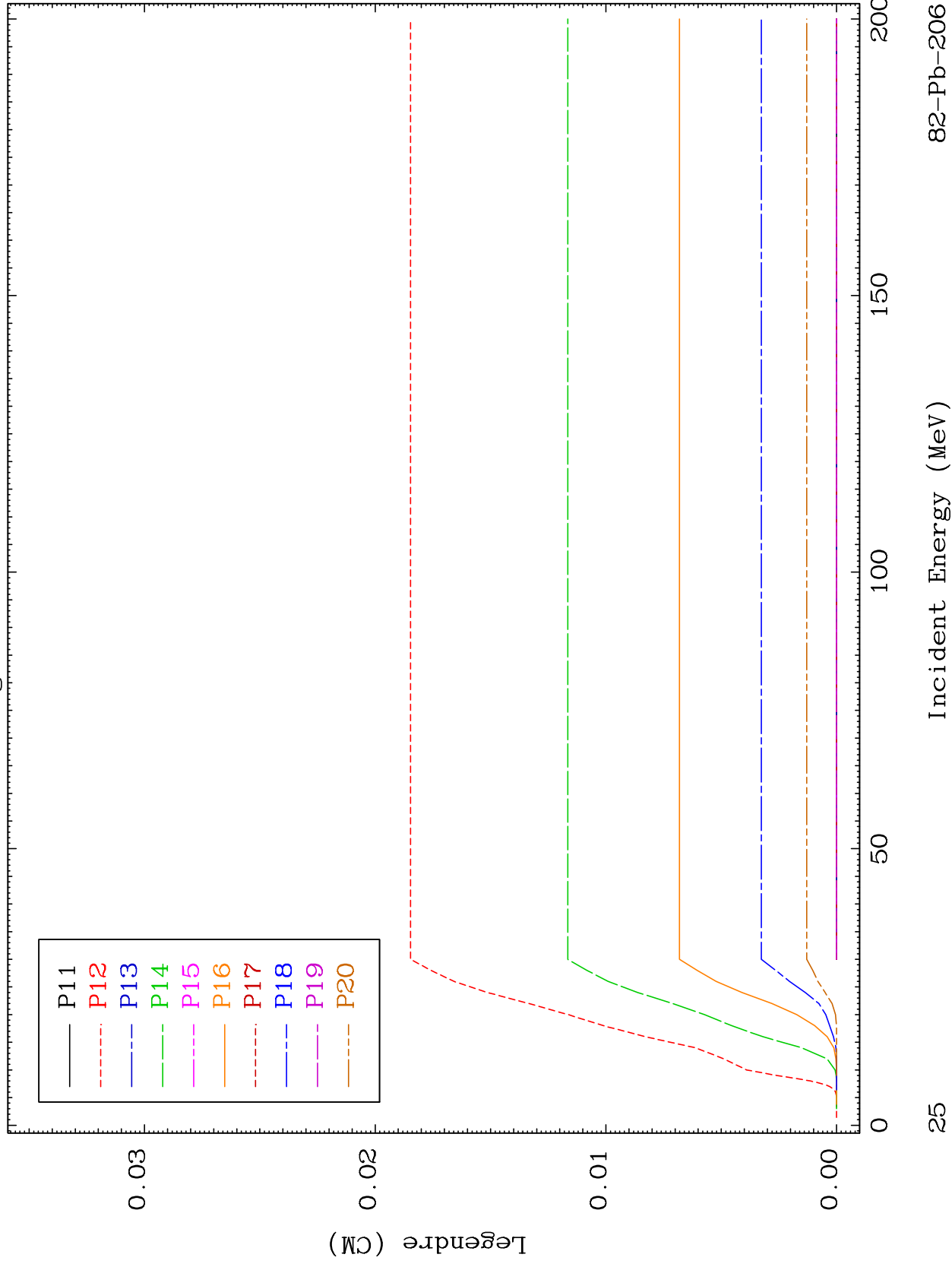




MAT 8231

1.166 MeV (n,n') Level  
Legendre Coefficients

82-Pb-206



82-Pb-206

Incident Energy (MeV)

25

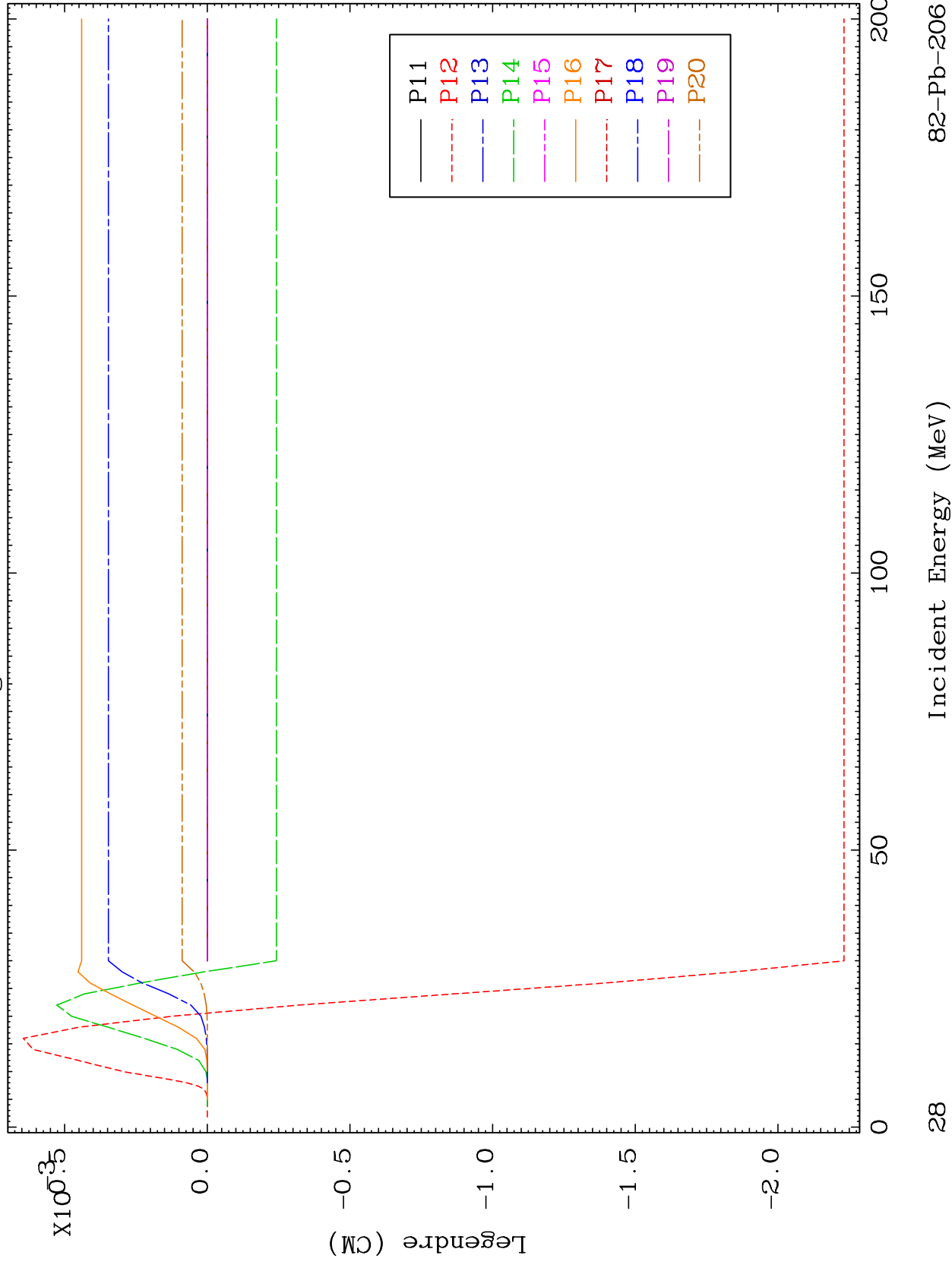




MAT 8231

1.340 MeV (n,n') Level  
Legendre Coefficients

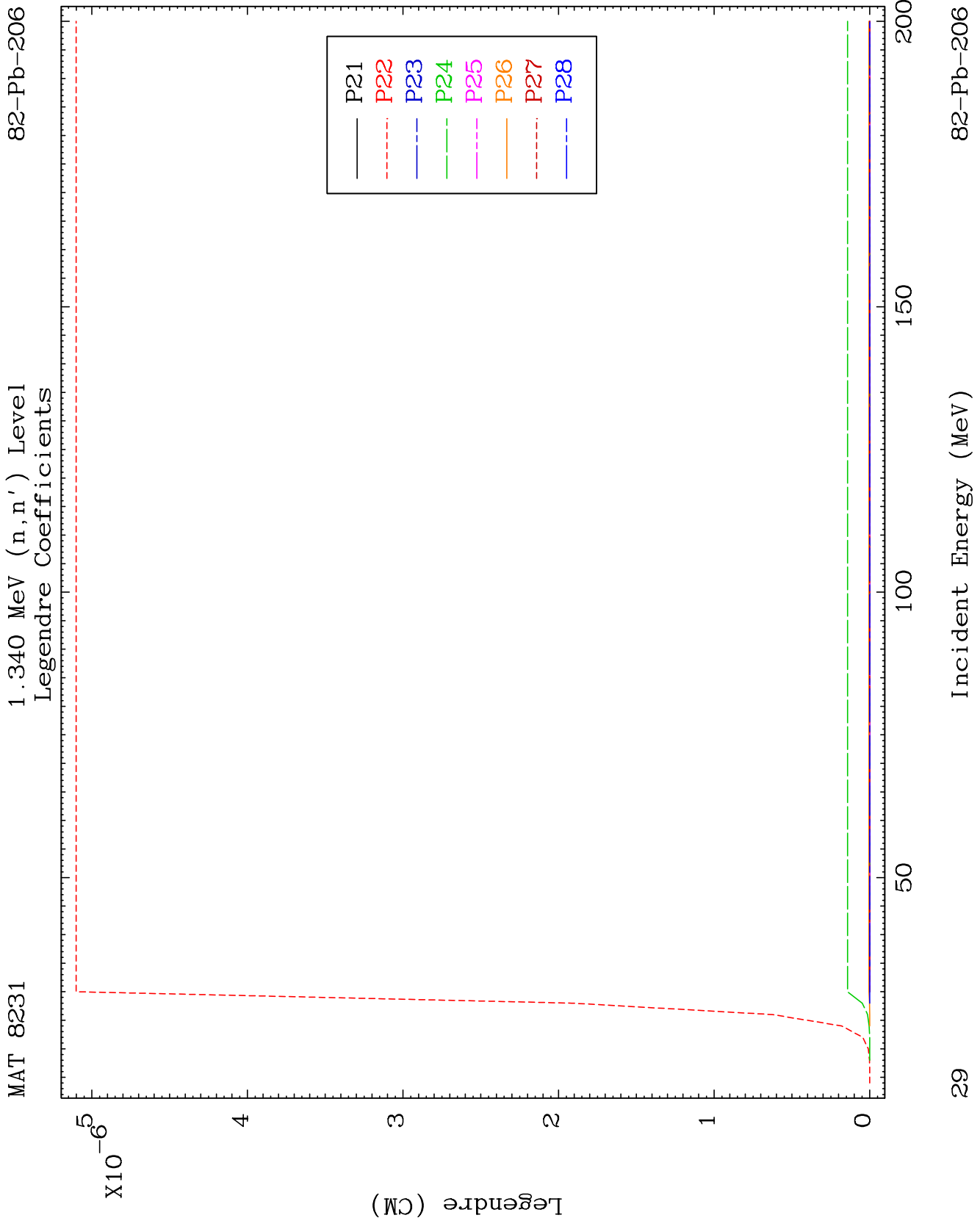
82-Pb-206



28

Incident Energy (MeV)

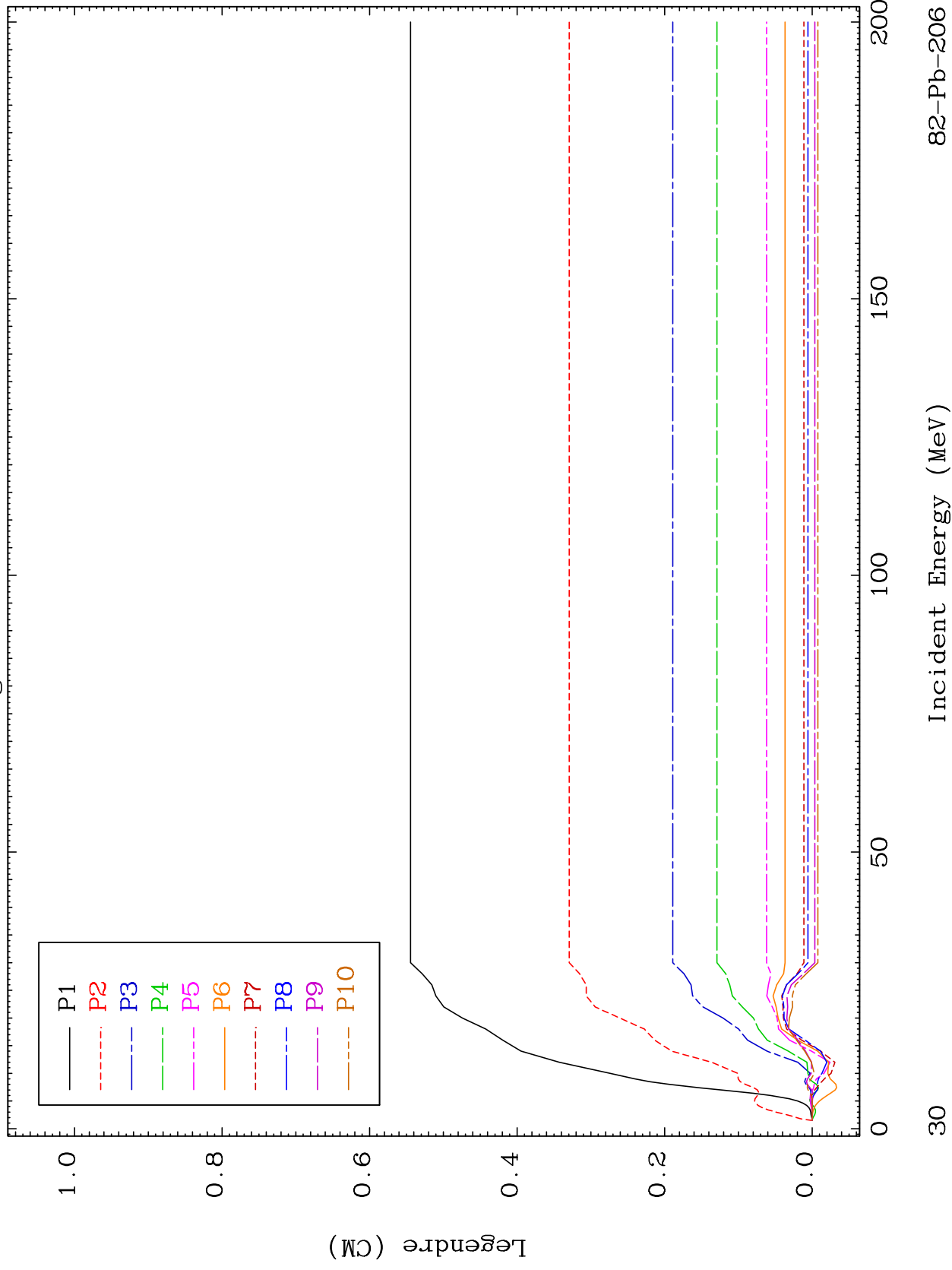
82-Pb-206



MAT 8231

1.467 MeV (n, n') Level  
Legendre Coefficients

82-Pb-206



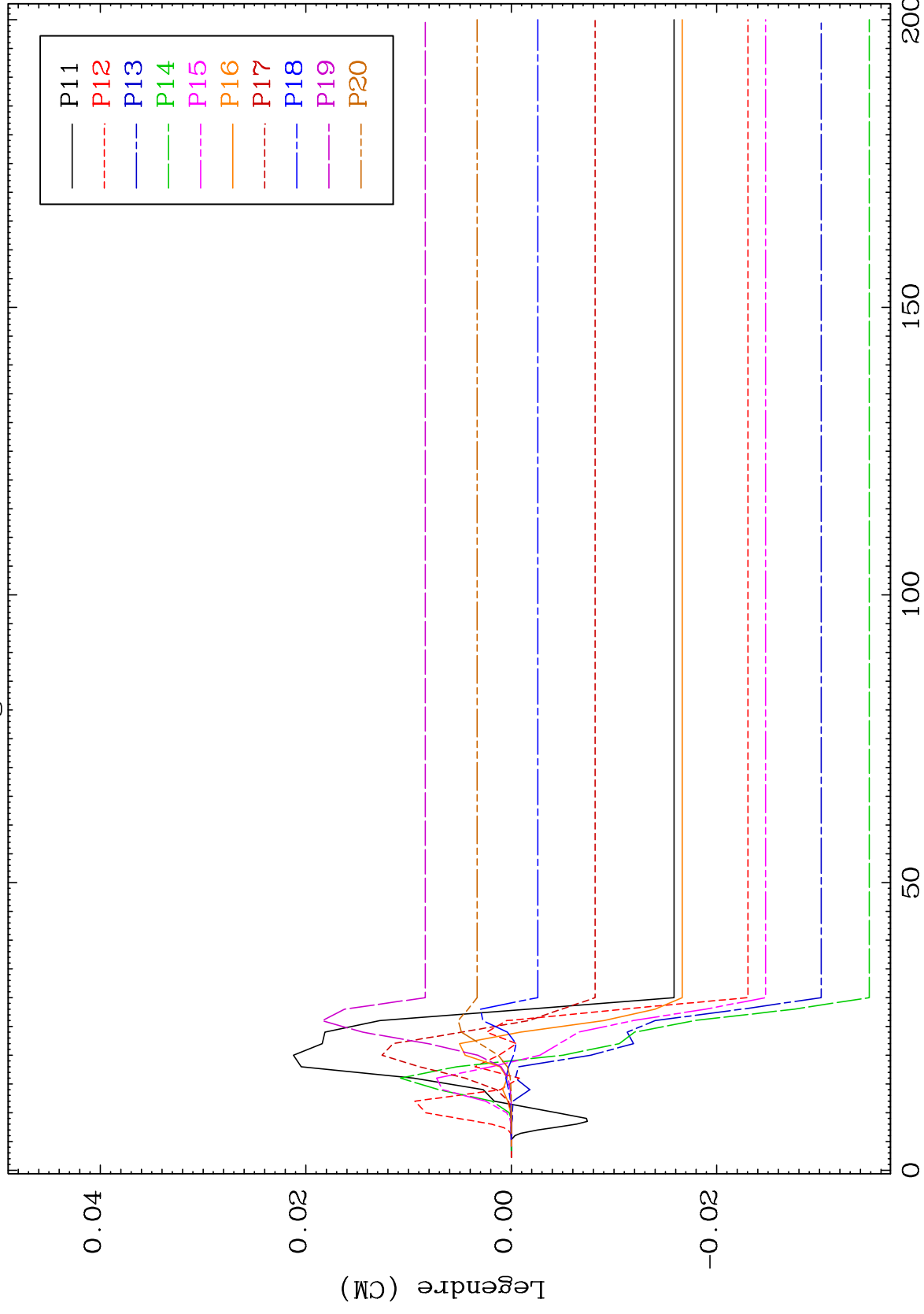
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Incident Energy (MeV)

MAT 8231

1.467 MeV (n,n') Level  
Legendre Coefficients

82-Pb-206



31

Incident Energy (MeV)

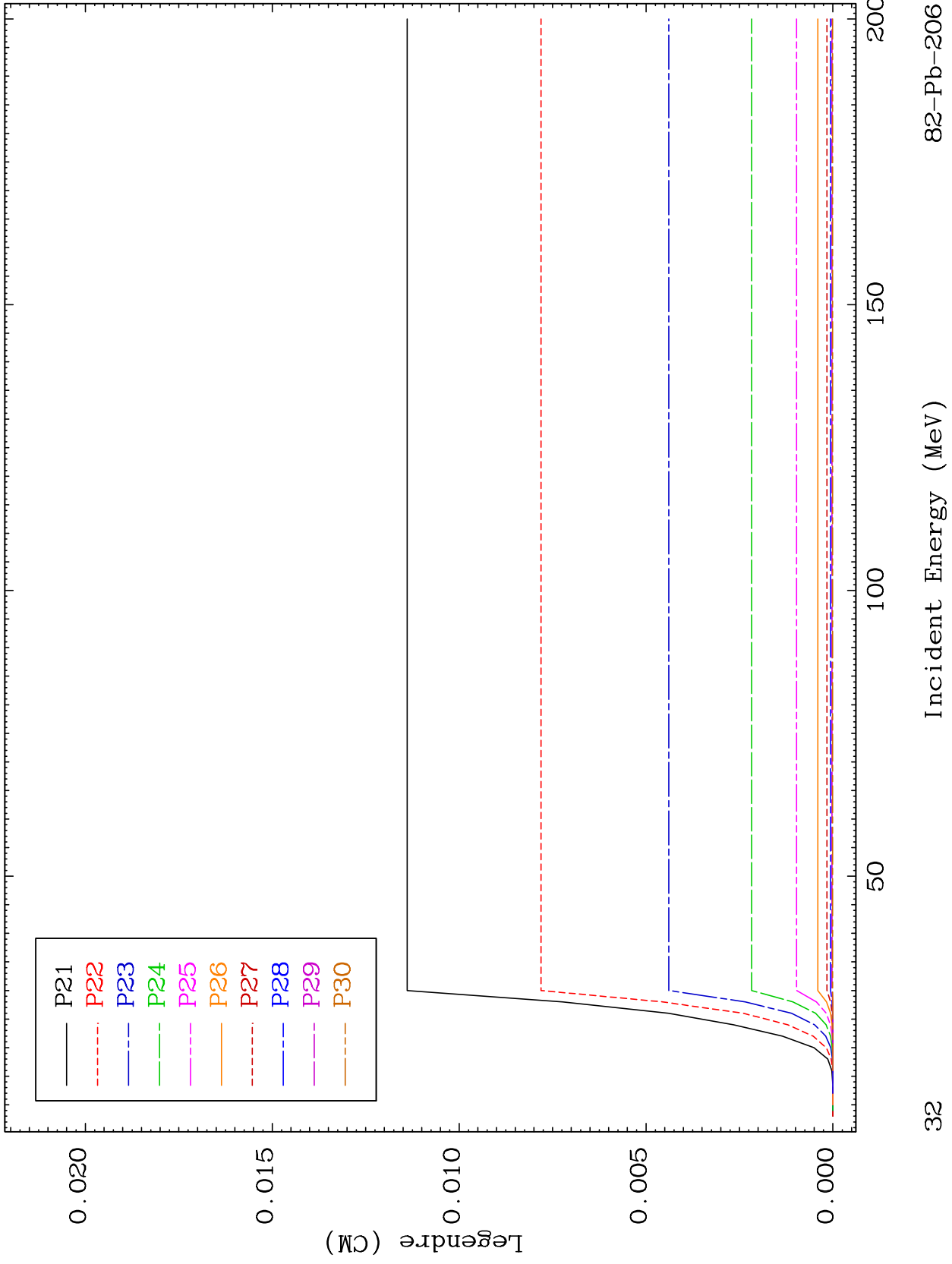
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MAT 8231

1.467 MeV (n,n') Level  
Legendre Coefficients

82-Pb-206



32

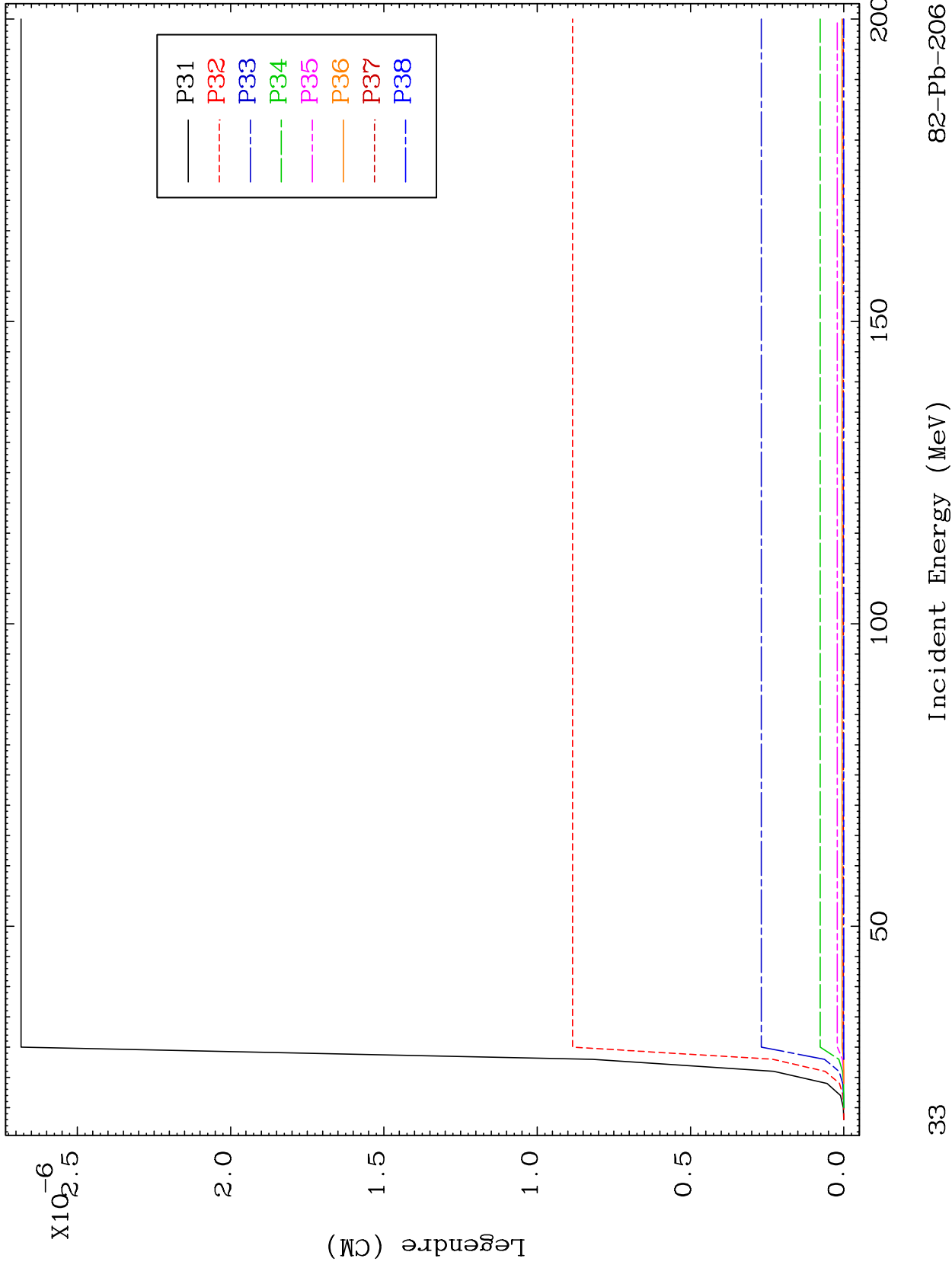
Incident Energy (MeV)

82-Pb-206

MAT 8231

1.467 MeV (n, n') Level  
Legendre Coefficients

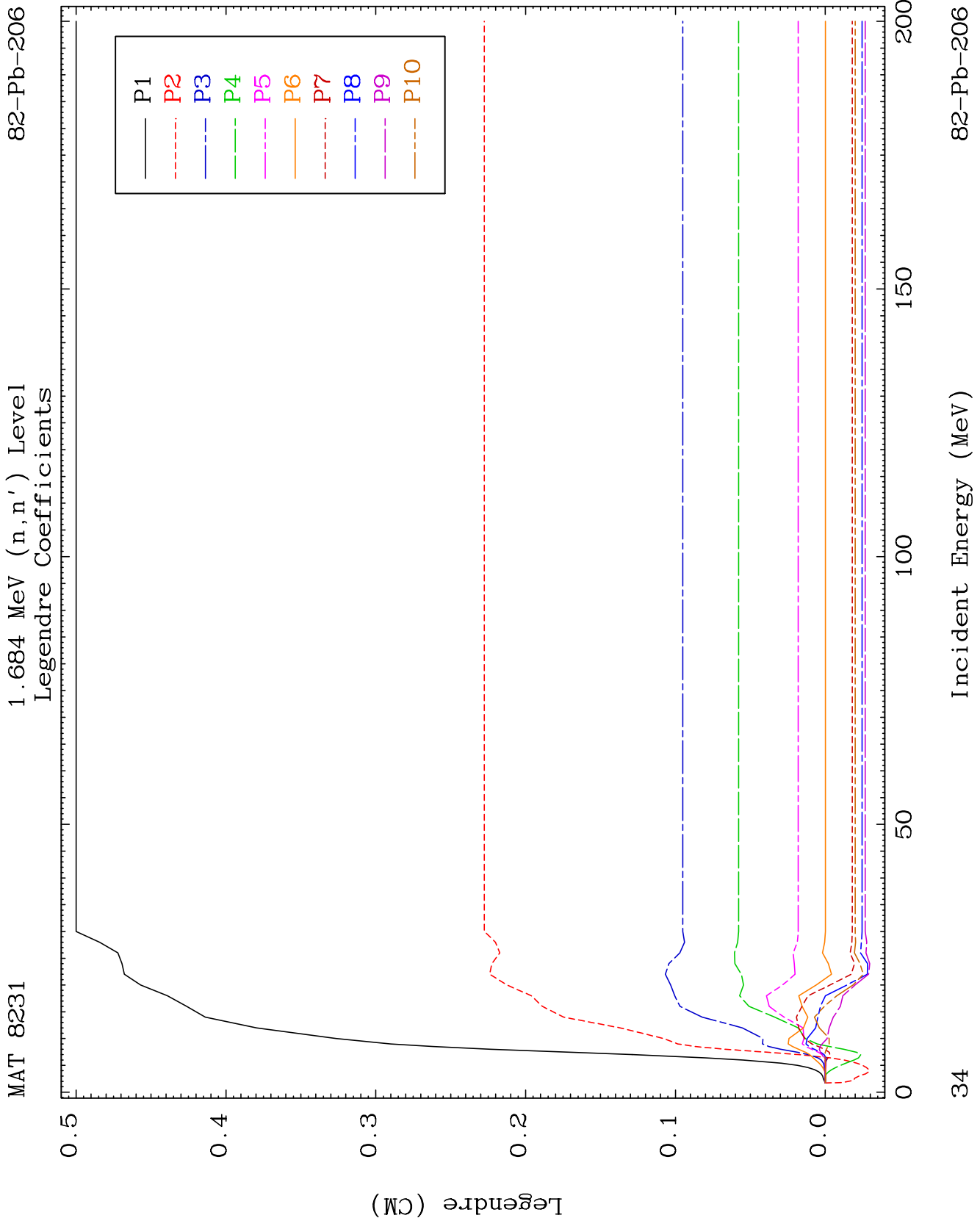
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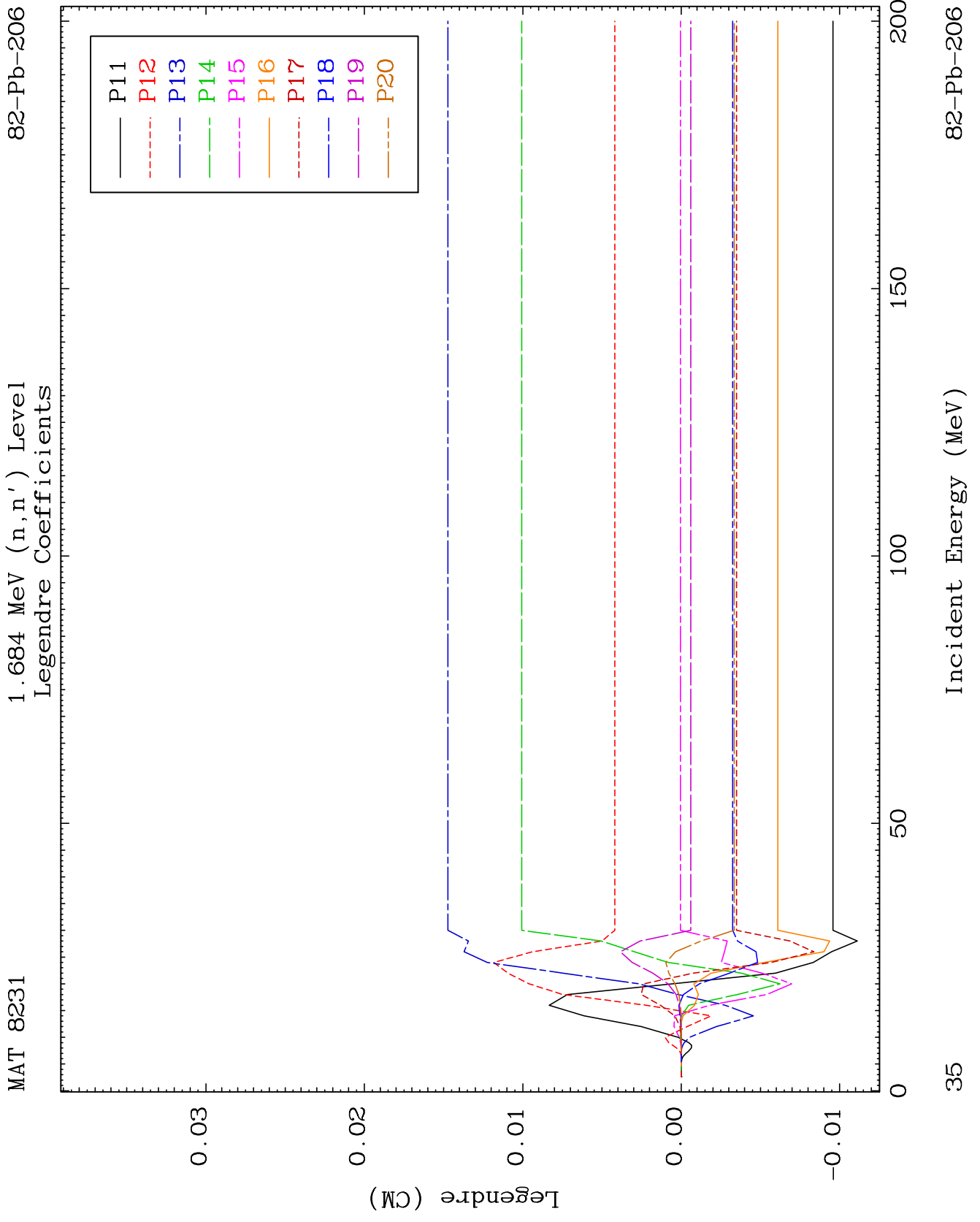


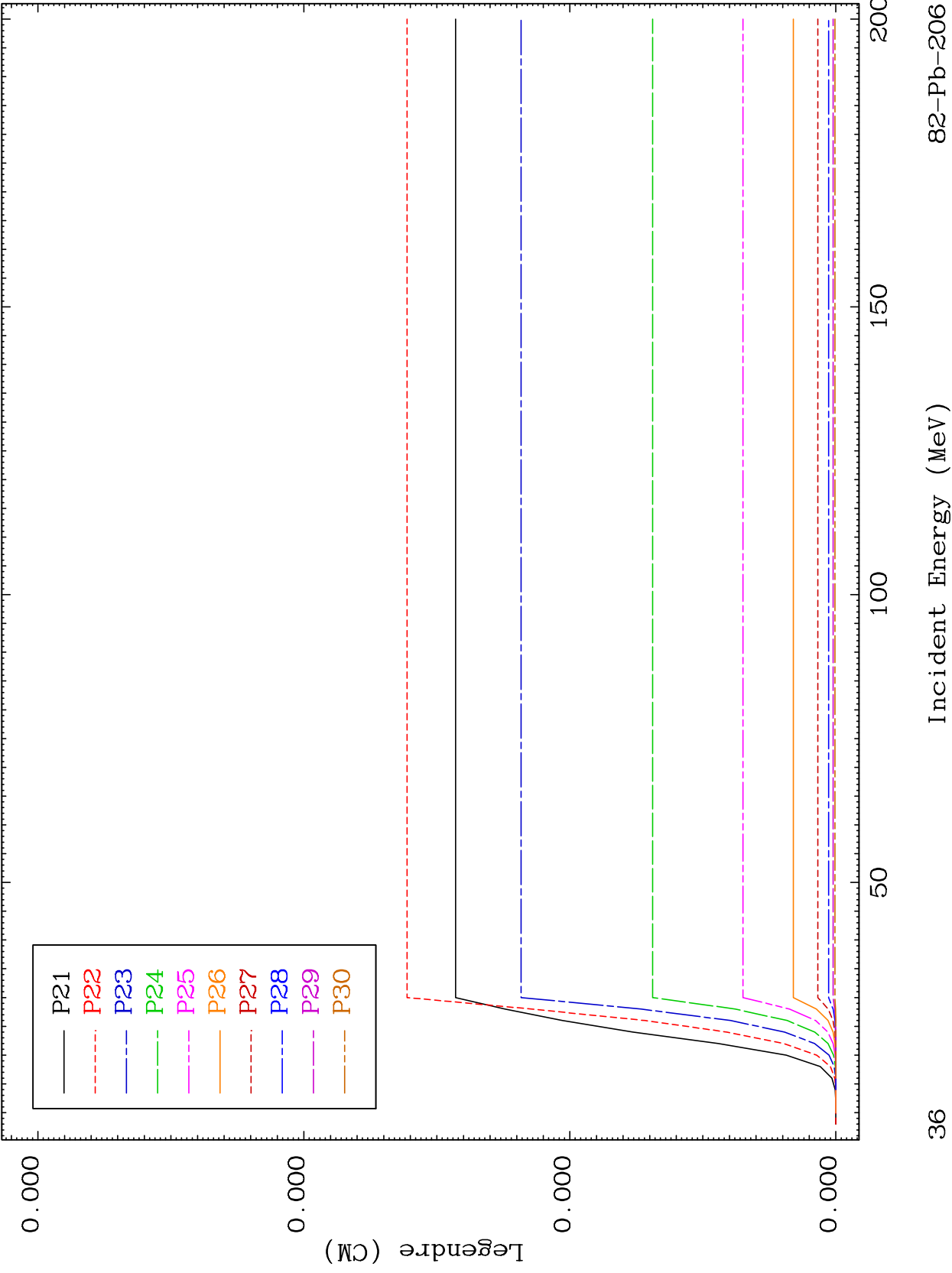
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Incident Energy (MeV)

82-Pb-206



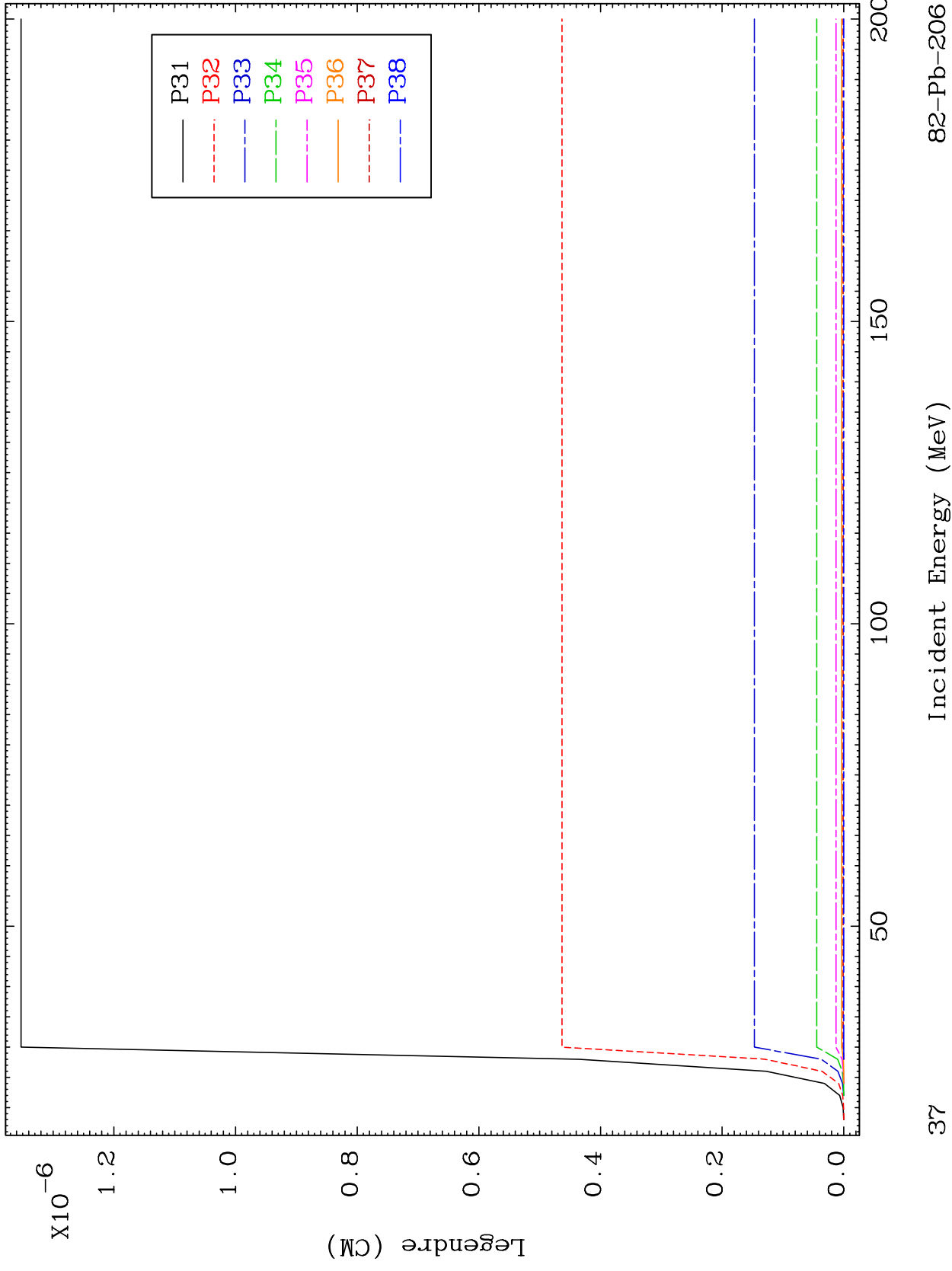




MAT 8231

1.684 MeV (n,n') Level  
Legendre Coefficients

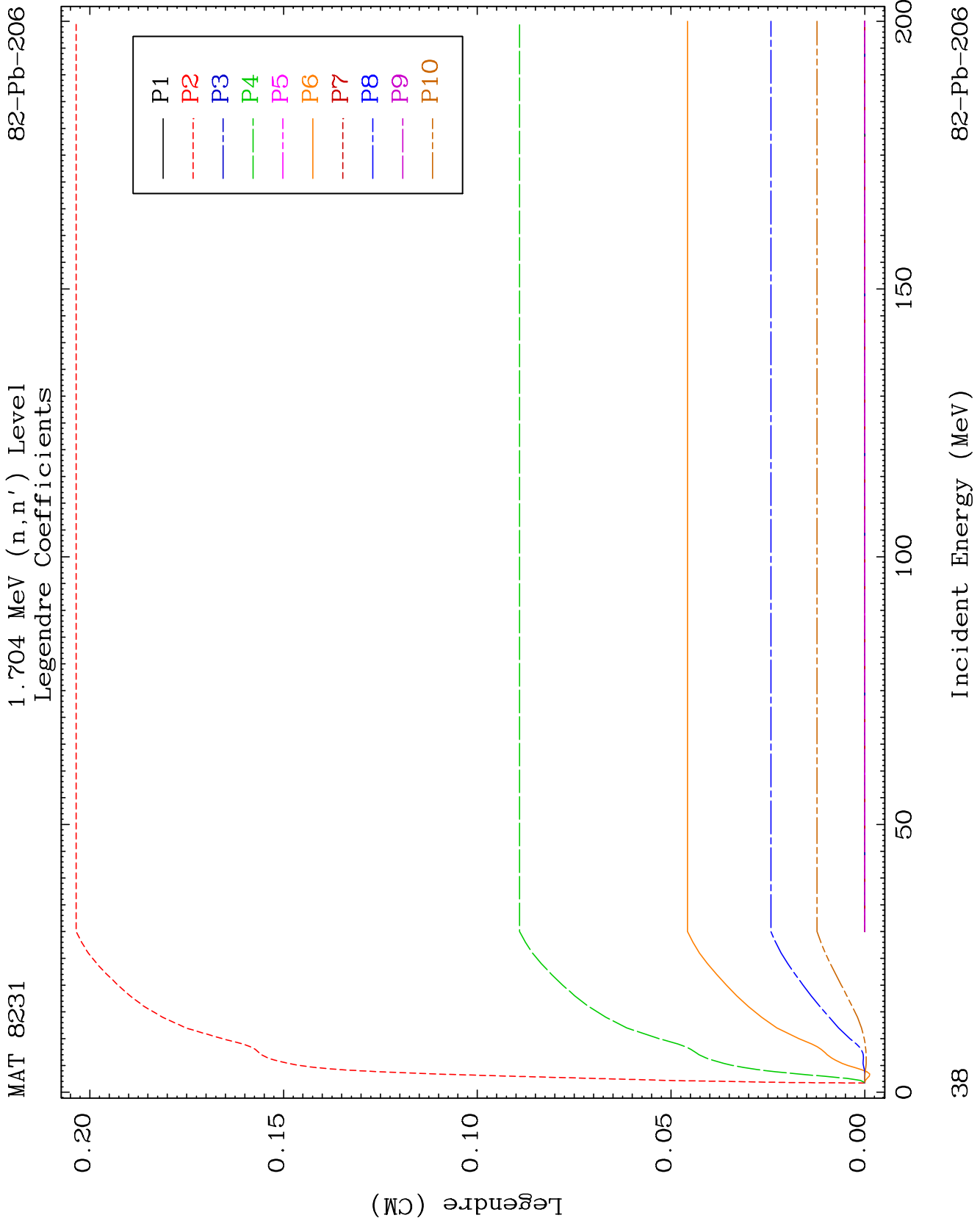
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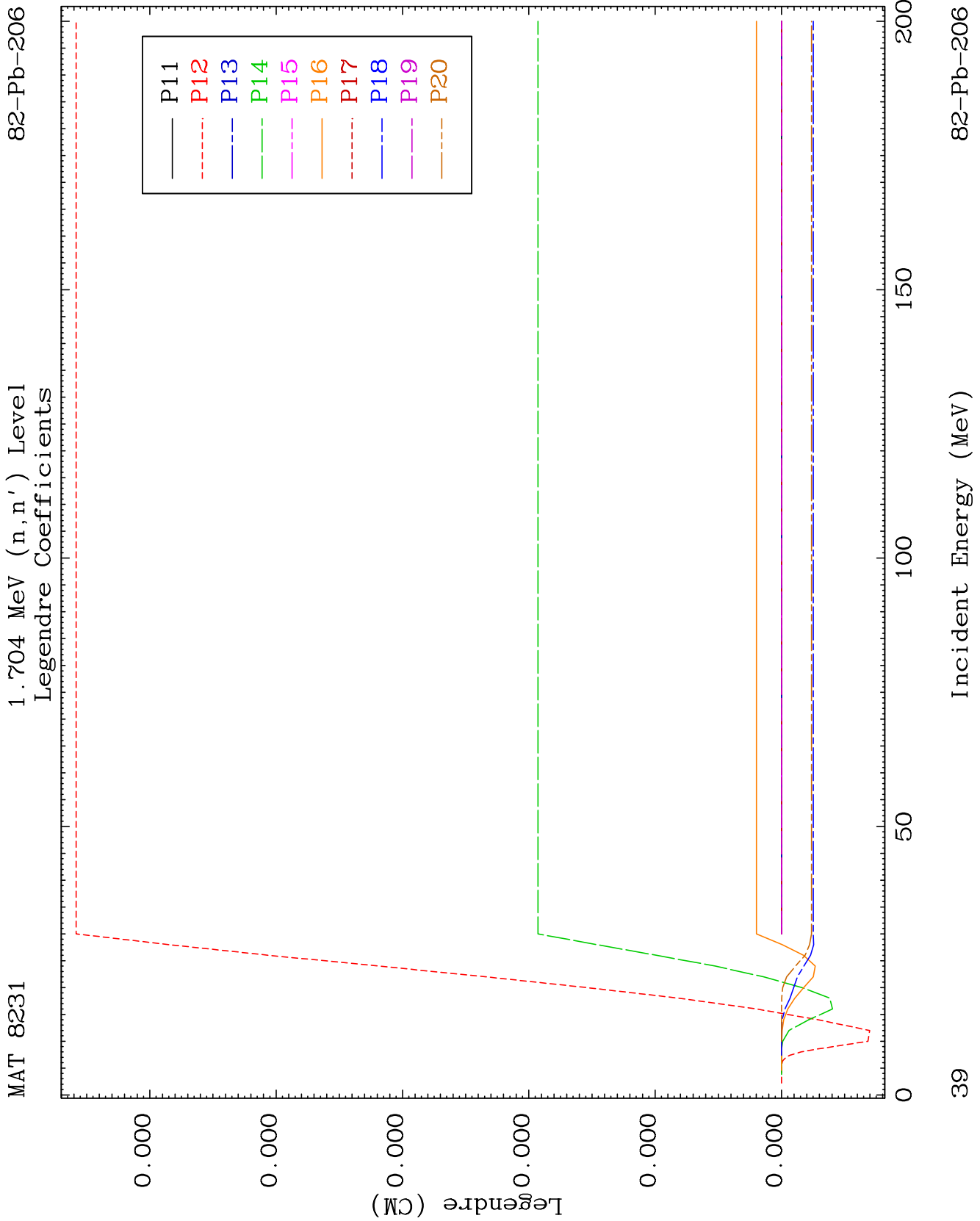


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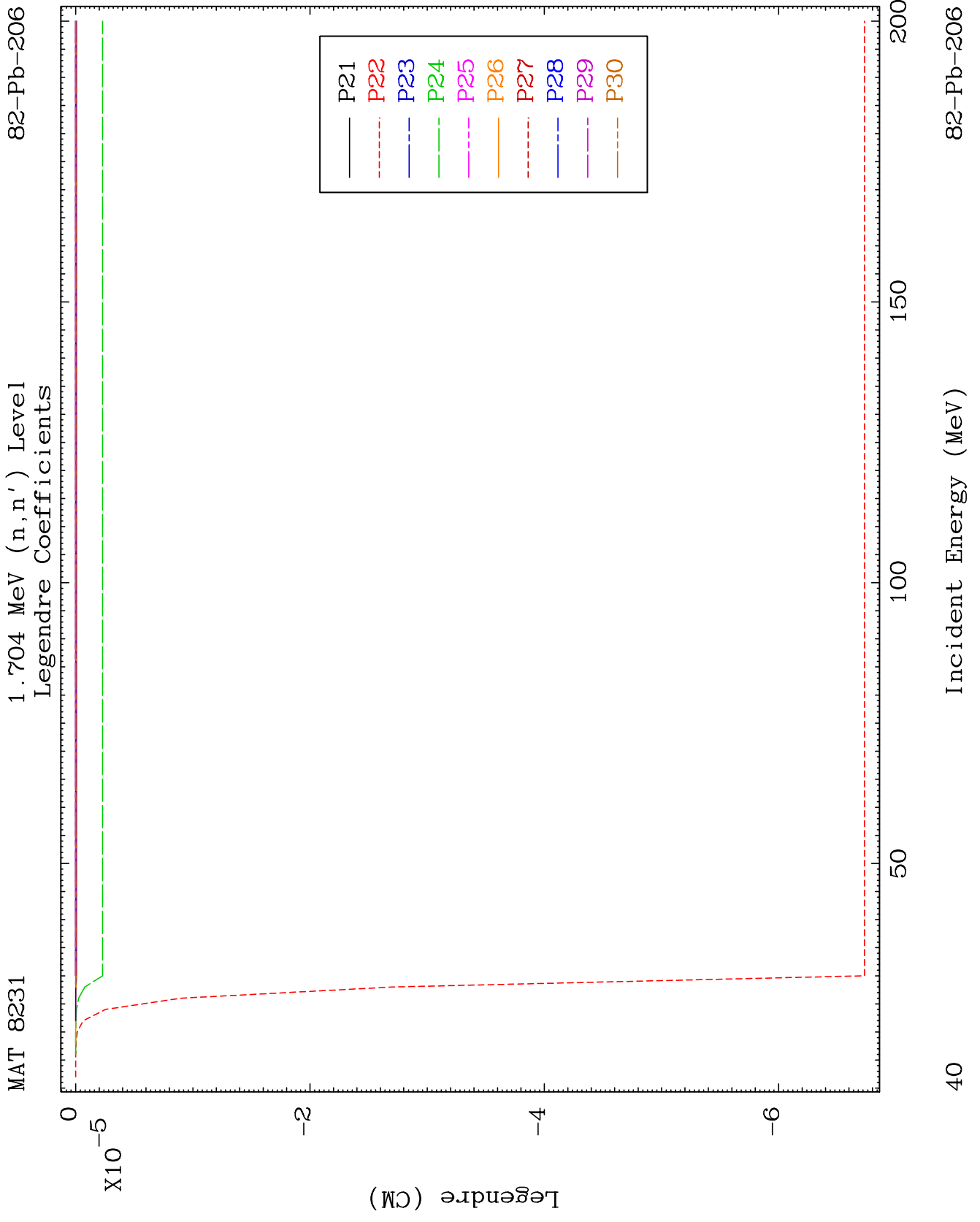
Incident Energy (MeV)

82-Pb-206





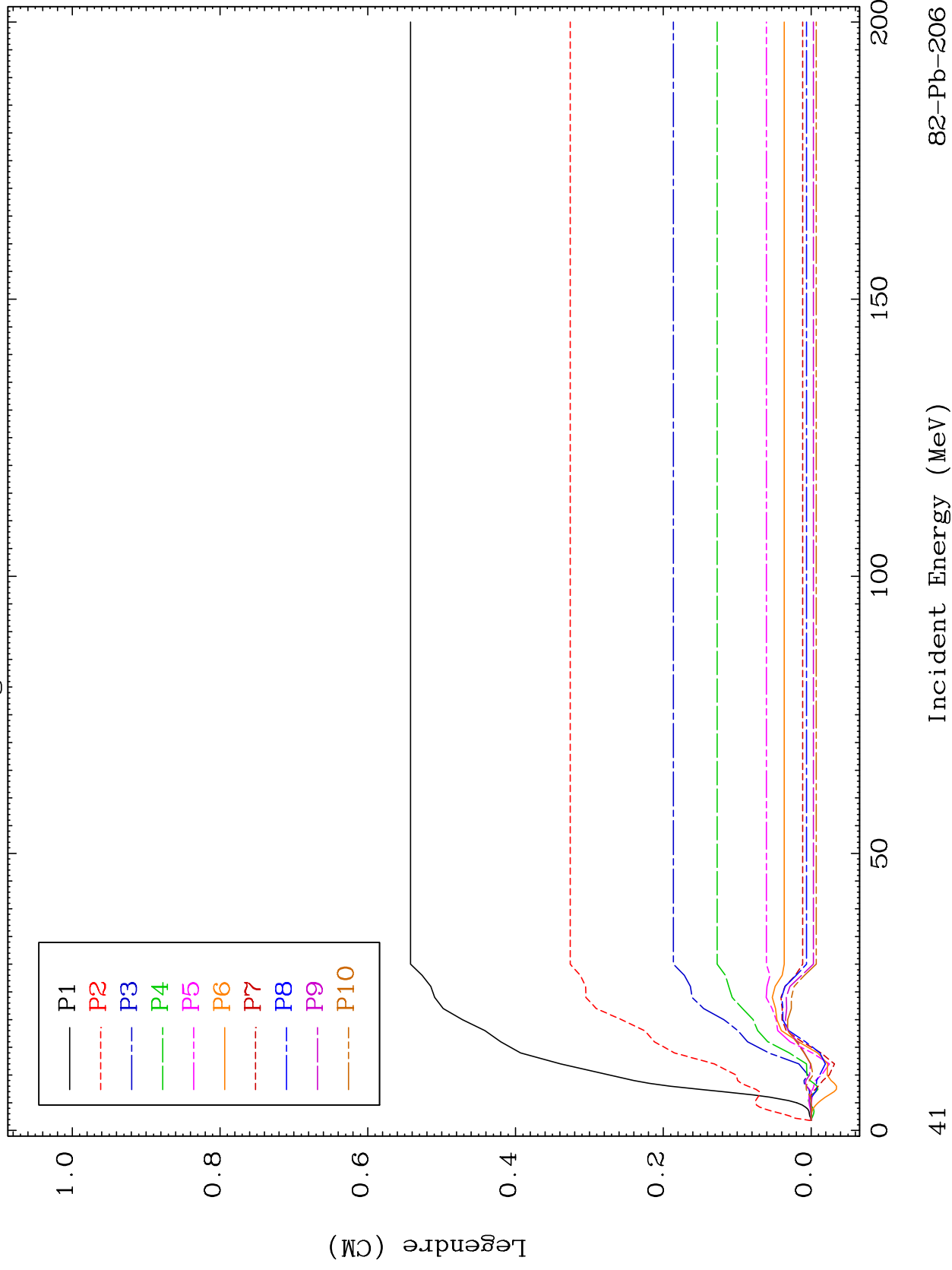




MAT 8231

1.784 MeV (n, n') Level  
Legendre Coefficients

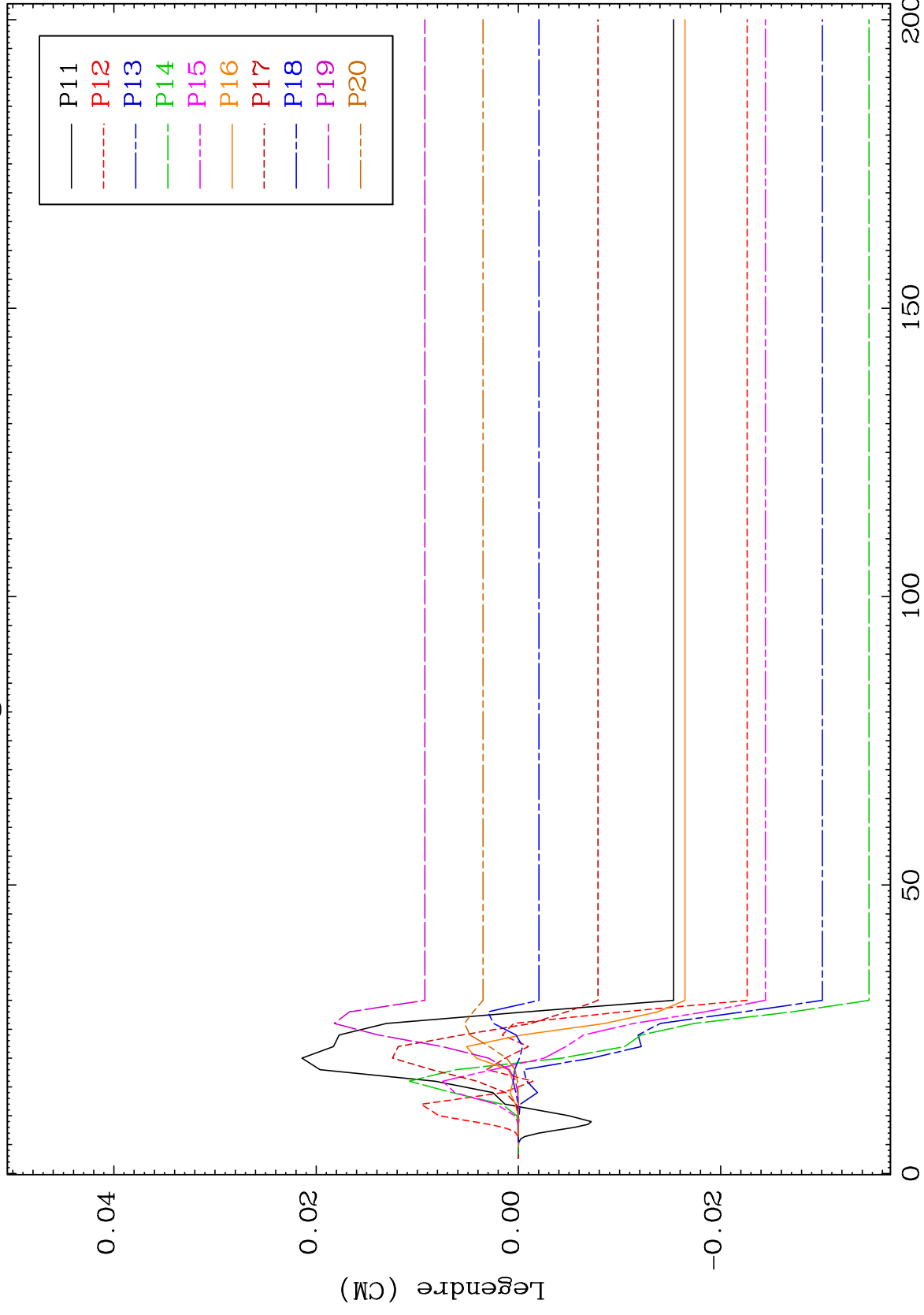
82-Pb-206



MAT 8231

1.784 MeV (n,n') Level  
Legendre Coefficients

82-Pb-206



42

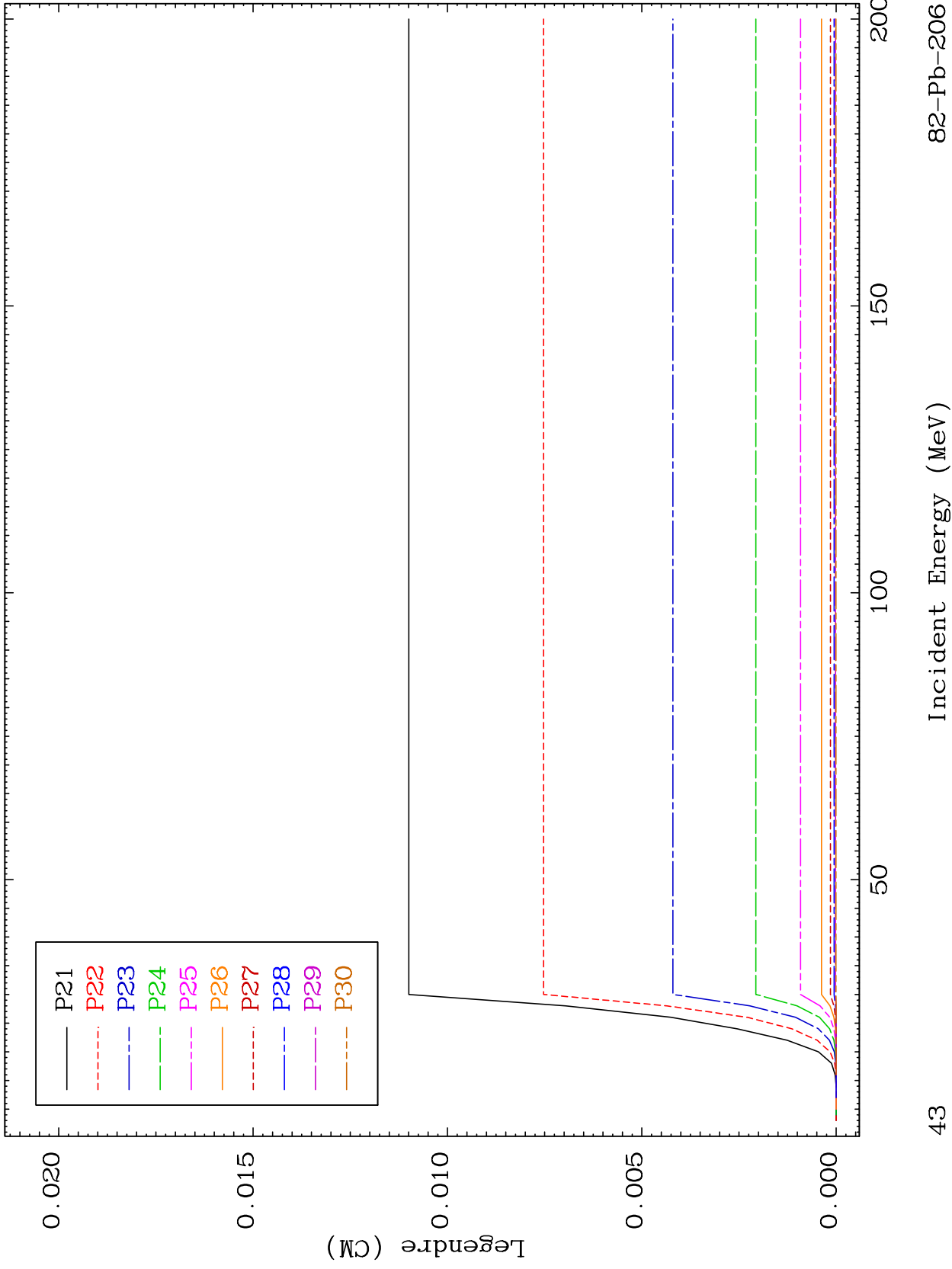
Incident Energy (MeV)

82-Pb-206

MAT 8231

1.784 MeV (n,n') Level  
Legendre Coefficients

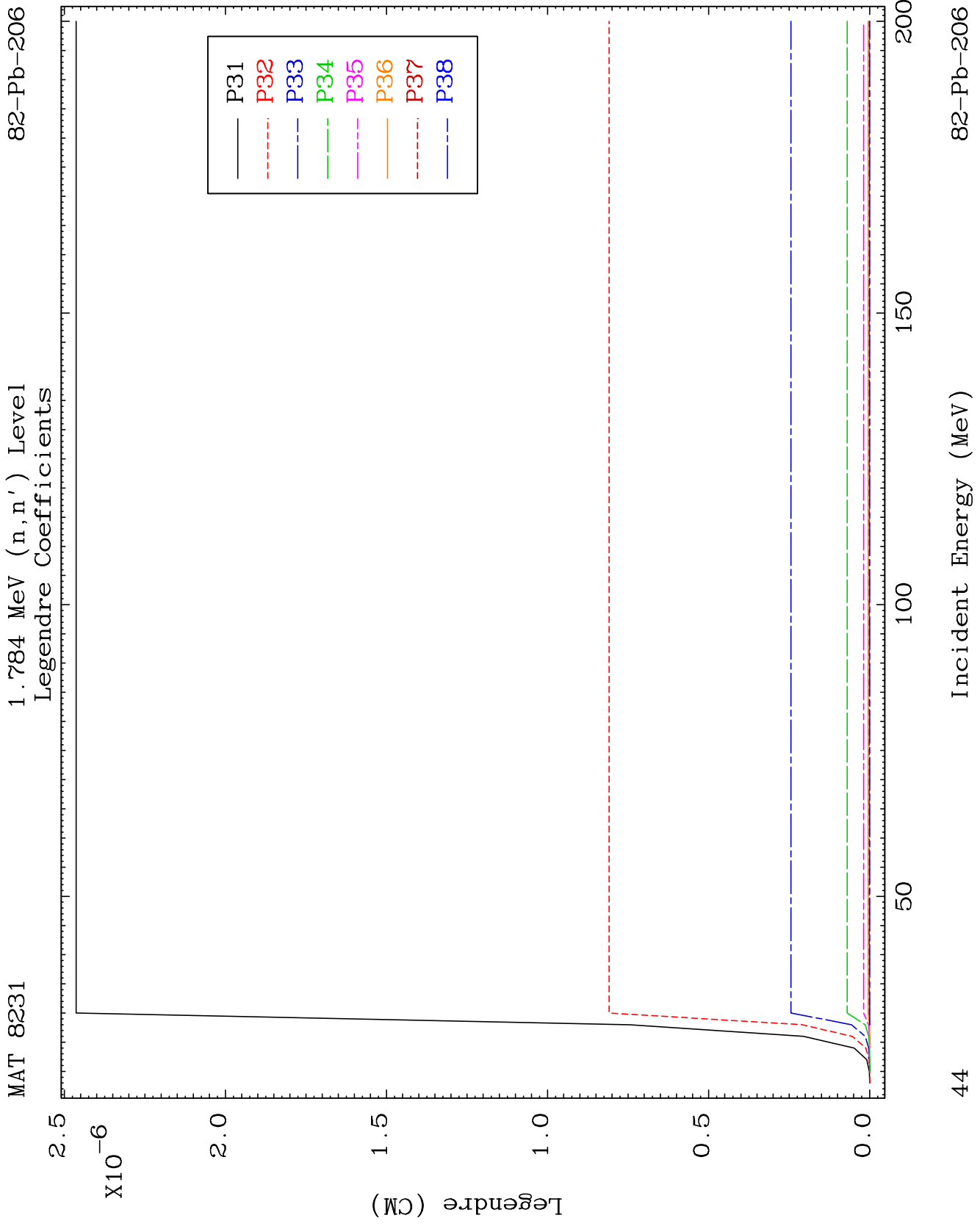
82-Pb-206



43

Incident Energy (MeV)

82-Pb-206

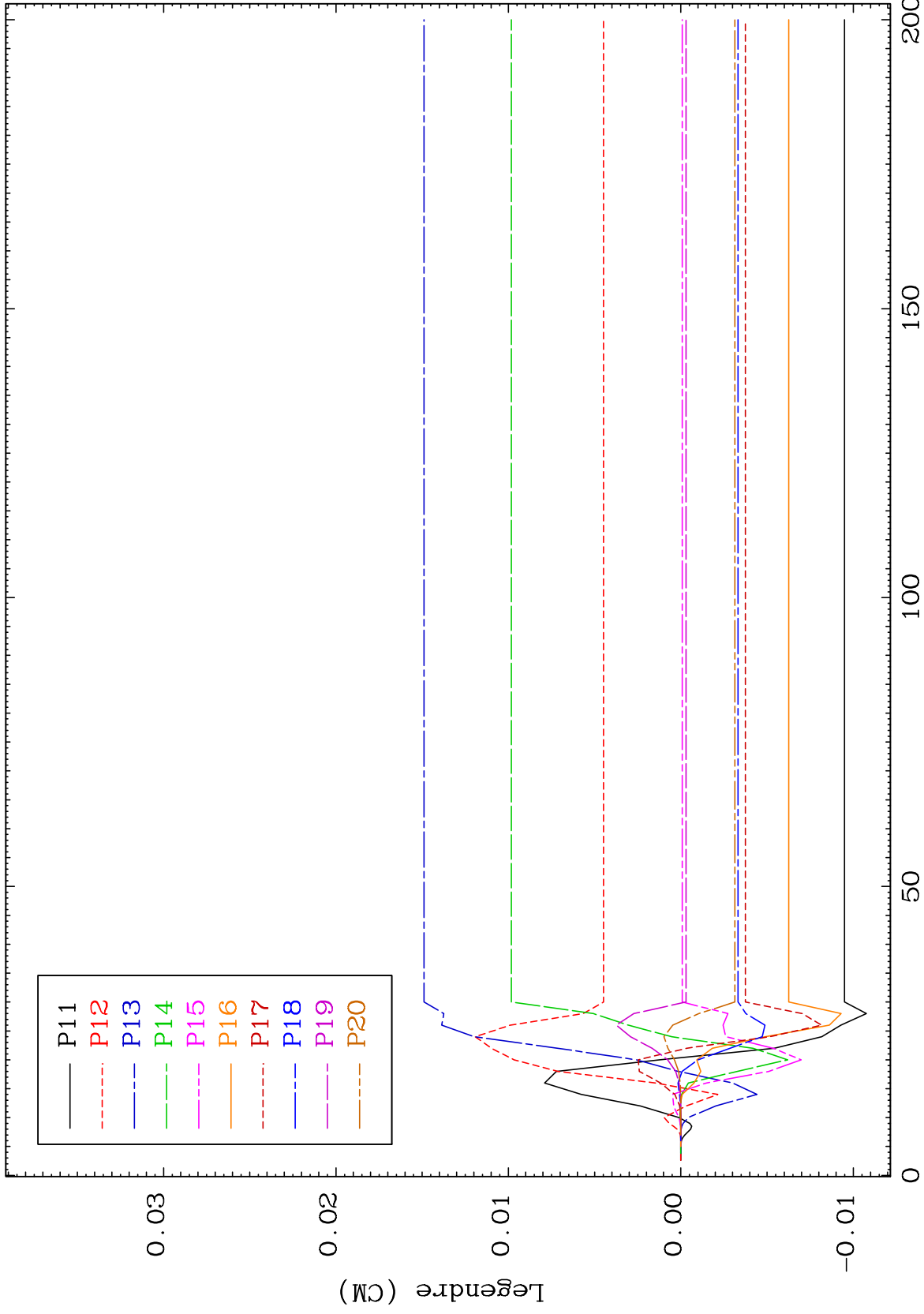




MAT 8231

1.998 MeV (n,n') Level  
Legendre Coefficients

82-Pb-206



46

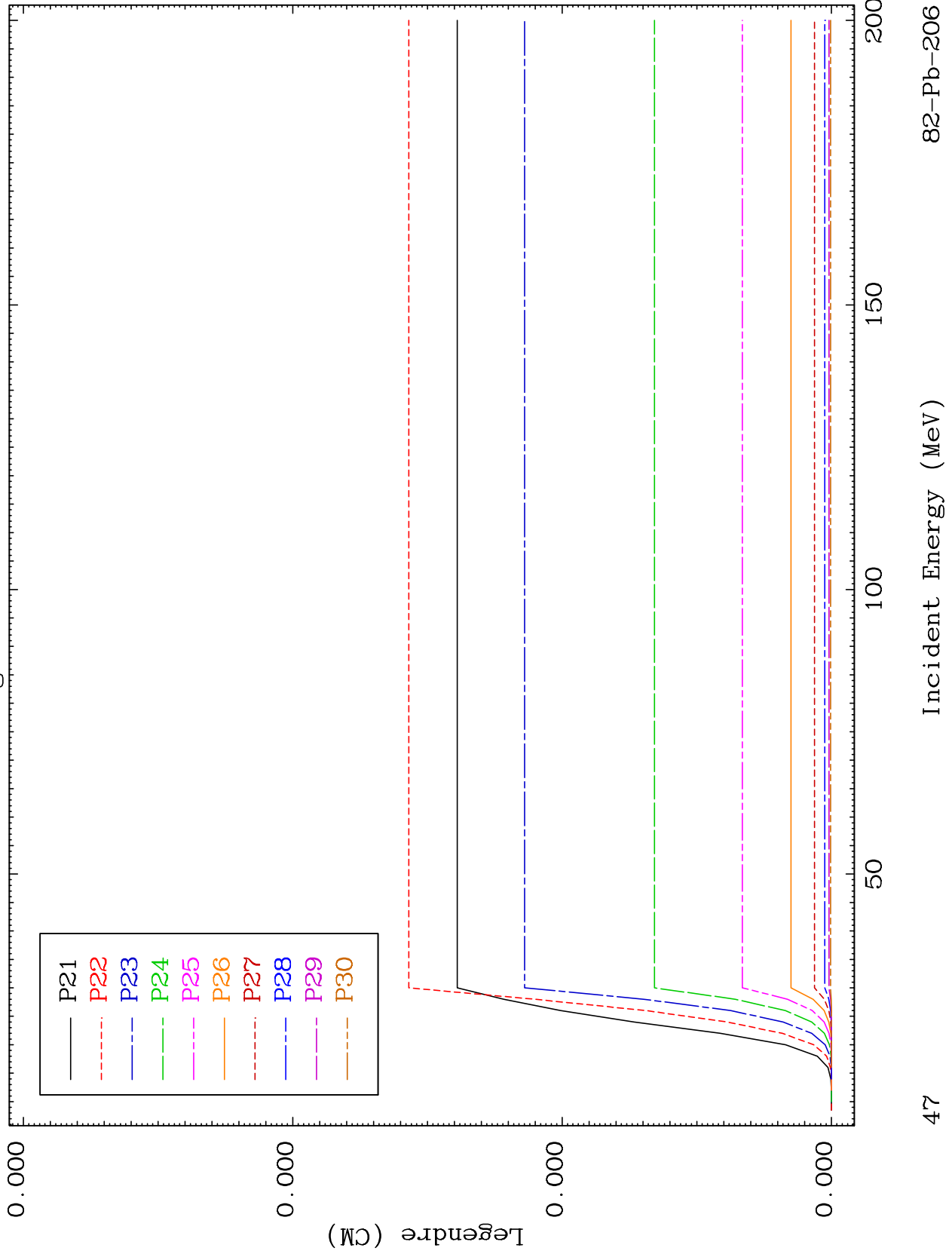
Incident Energy (MeV)

82-Pb-206

MAT 8231

1.998 MeV (n,n') Level  
Legendre Coefficients

82-Pb-206



47

Incident Energy (MeV)

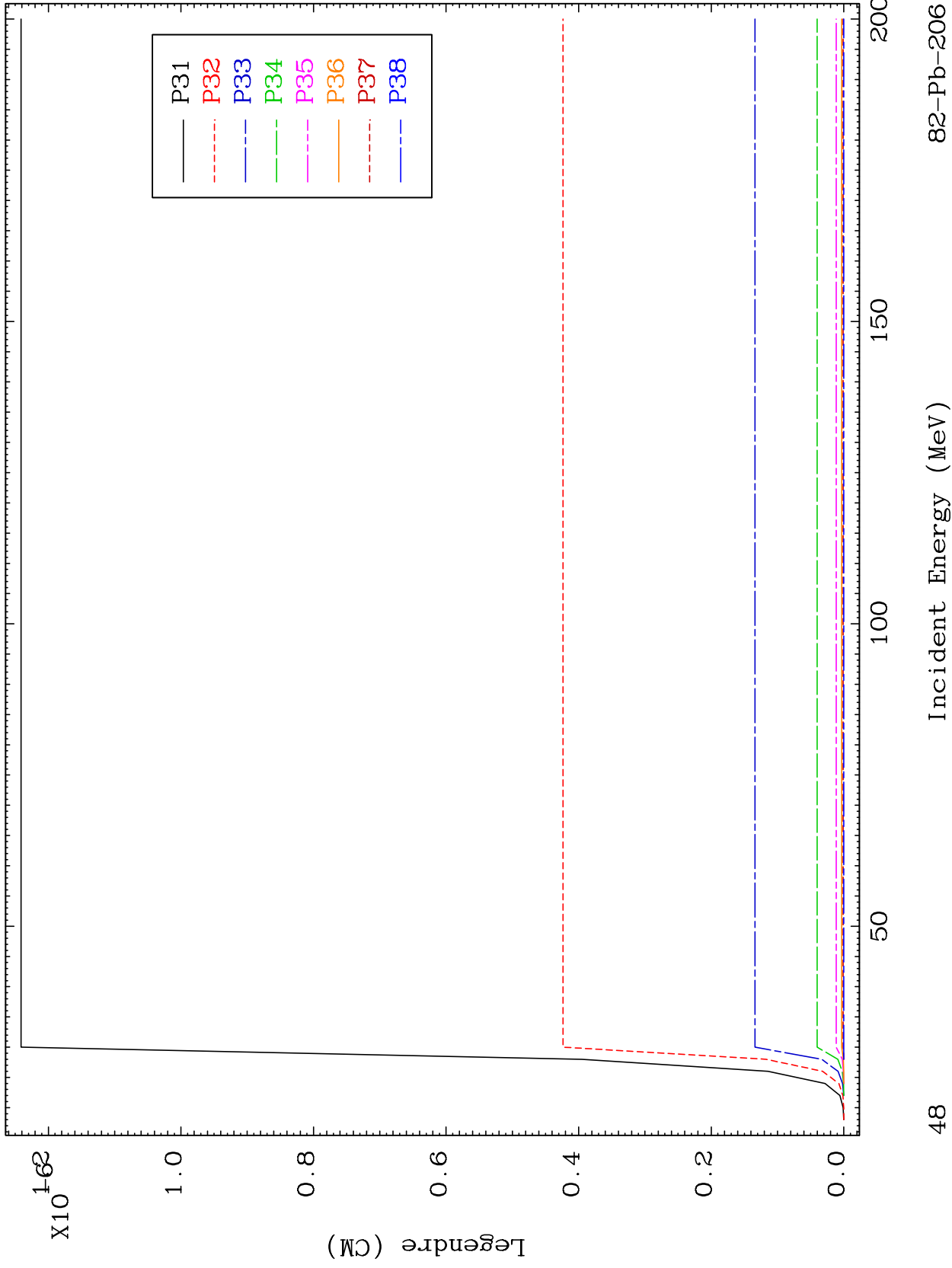
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MAT 8231

1.998 MeV (n,n') Level  
Legendre Coefficients

82-Pb-206



48

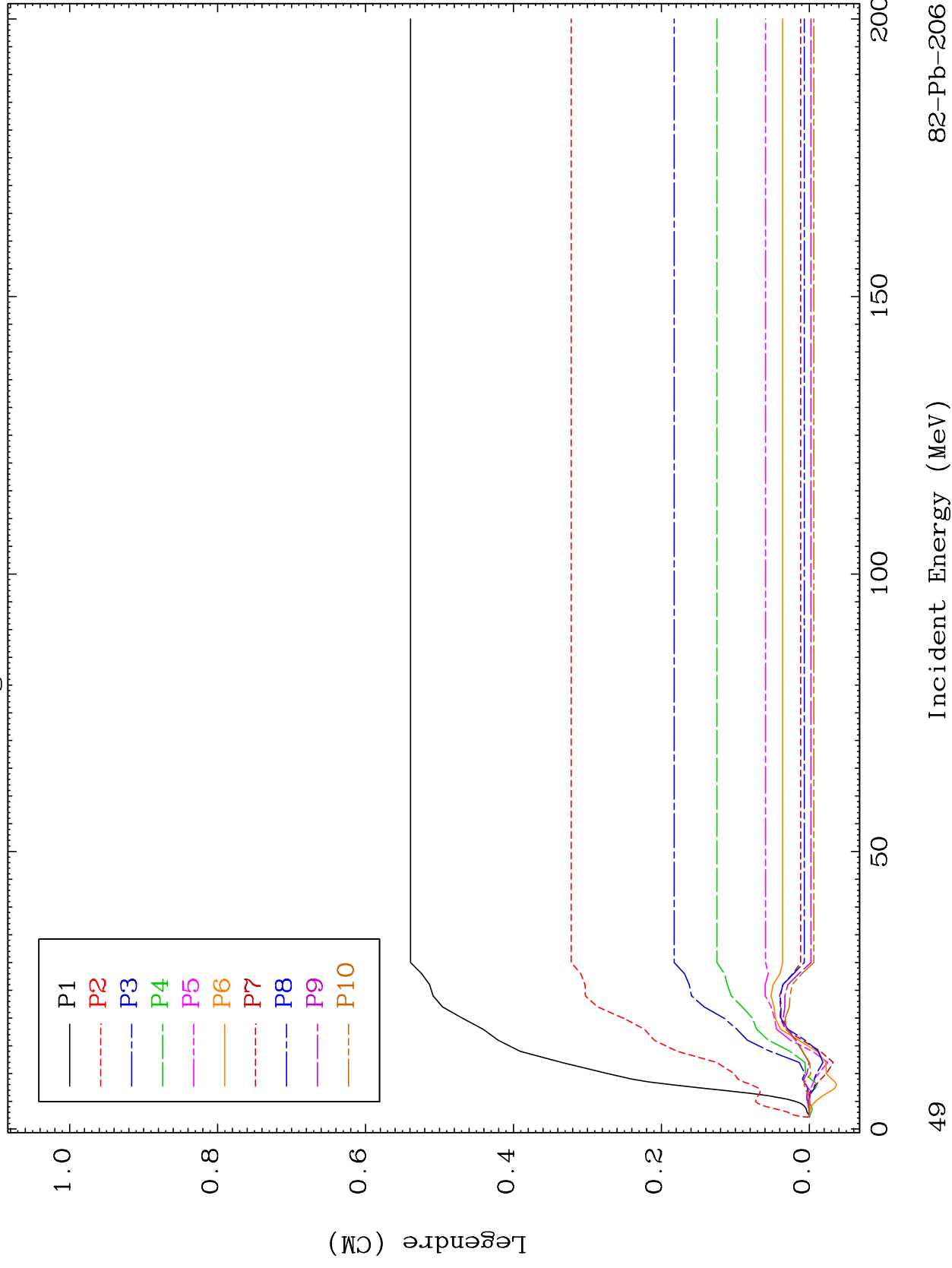
Incident Energy (MeV)

82-Pb-206

MAT 8231

2.149 MeV (n,n') Level  
Legendre Coefficients

82-Pb-206

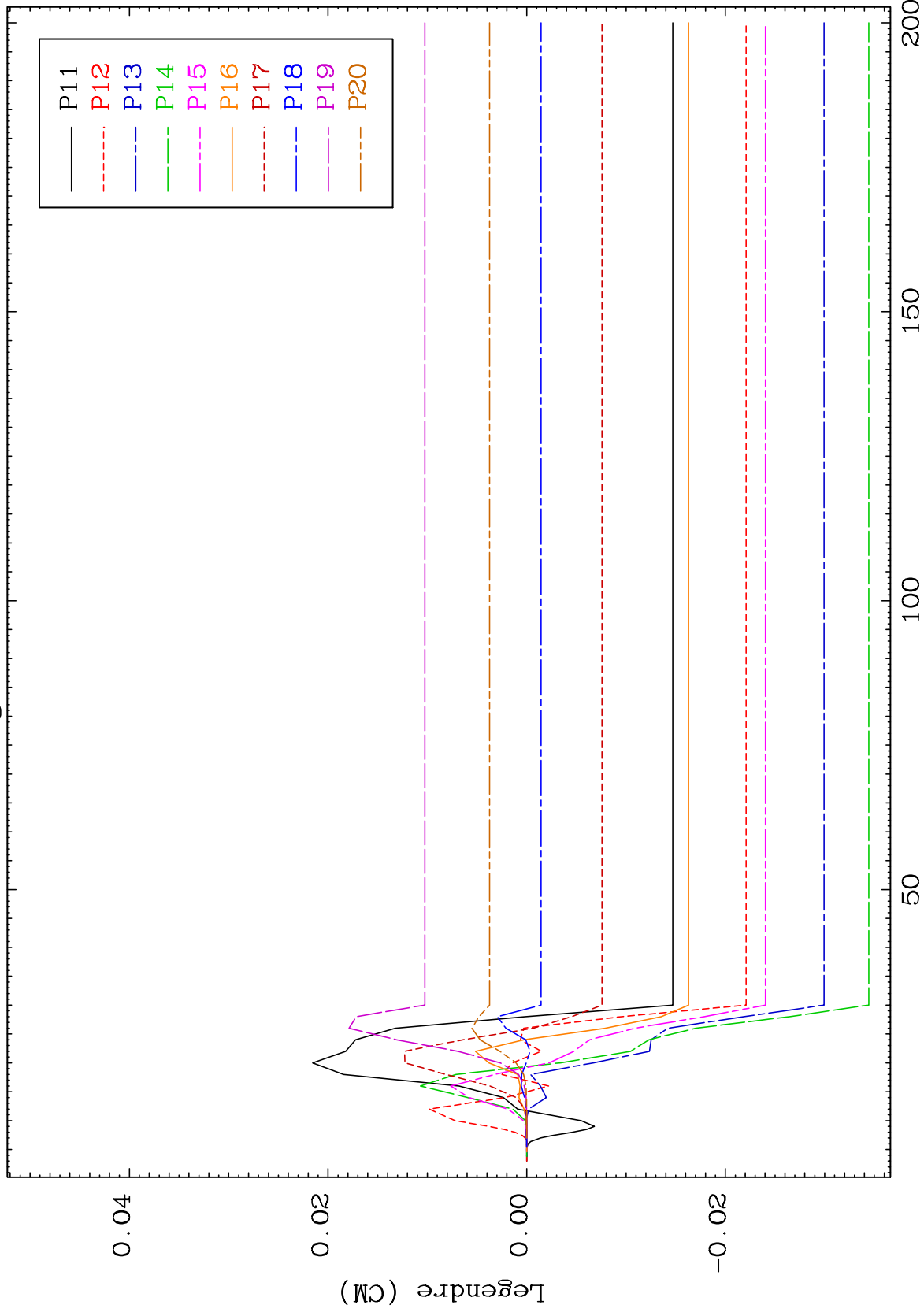


49

MAT 8231

2.149 MeV (n, n') Level  
Legendre Coefficients

82-Pb-206



50

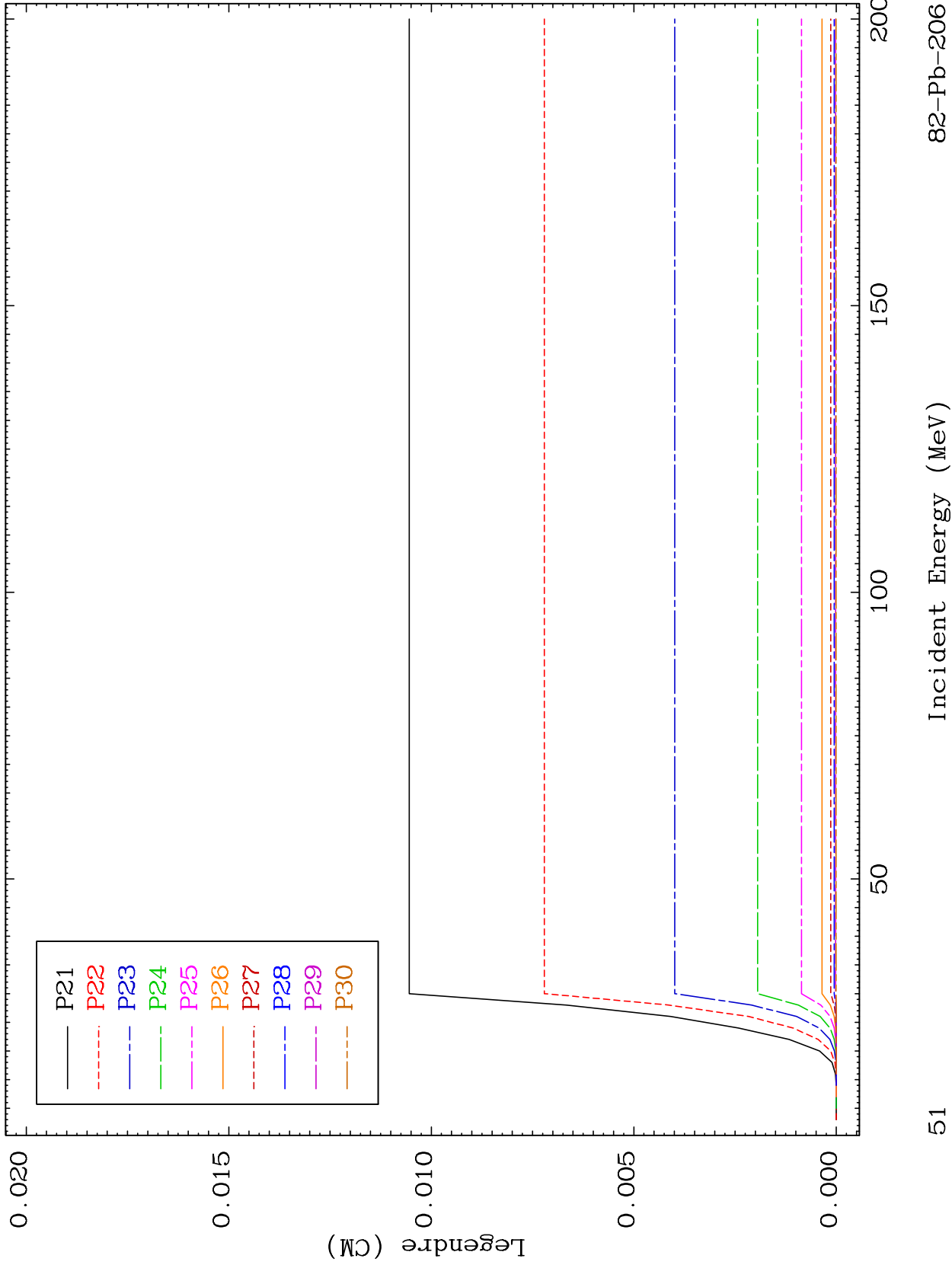
Incident Energy (MeV)

82-Pb-206

MAT 8231

2.149 MeV (n,n') Level  
Legendre Coefficients

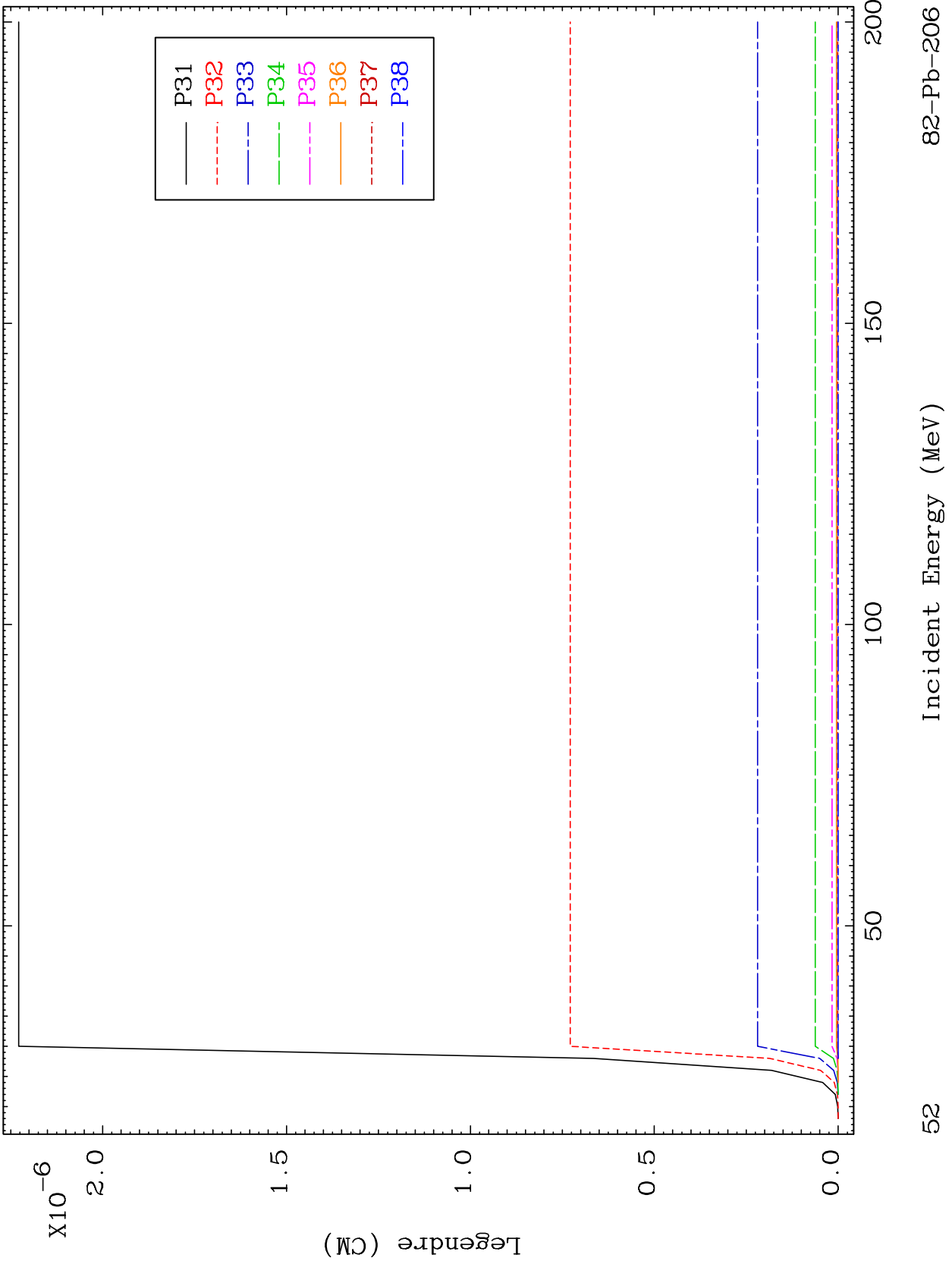
82-Pb-206



MAT 8231

2.149 MeV (n, n') Level  
Legendre Coefficients

82-Pb-206



82-Pb-206

Incident Energy (MeV)

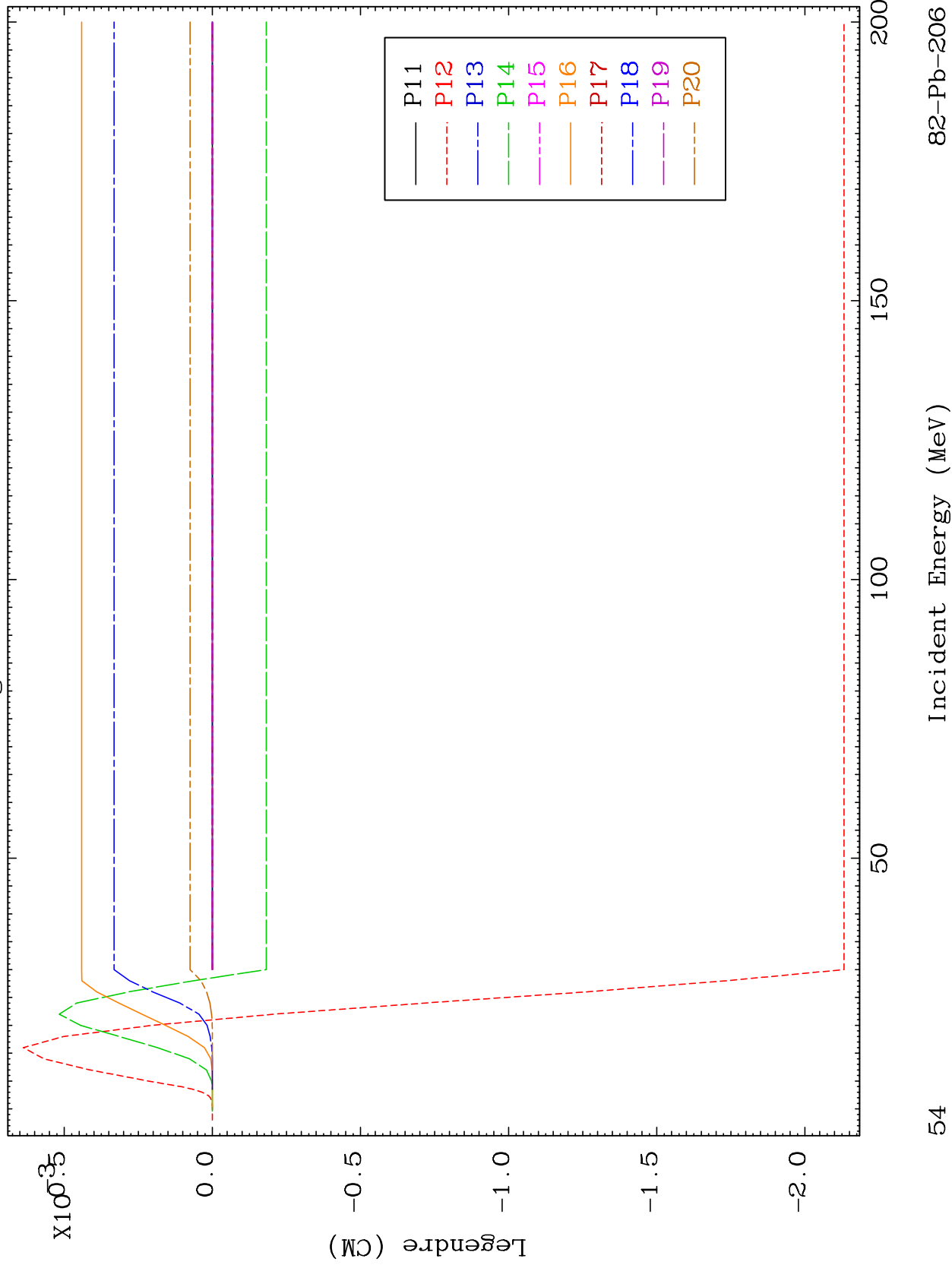
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MAT 8231

2.197 MeV (n,n') Level  
Legendre Coefficients

82-Pb-206



54

Incident Energy (MeV)

82-Pb-206

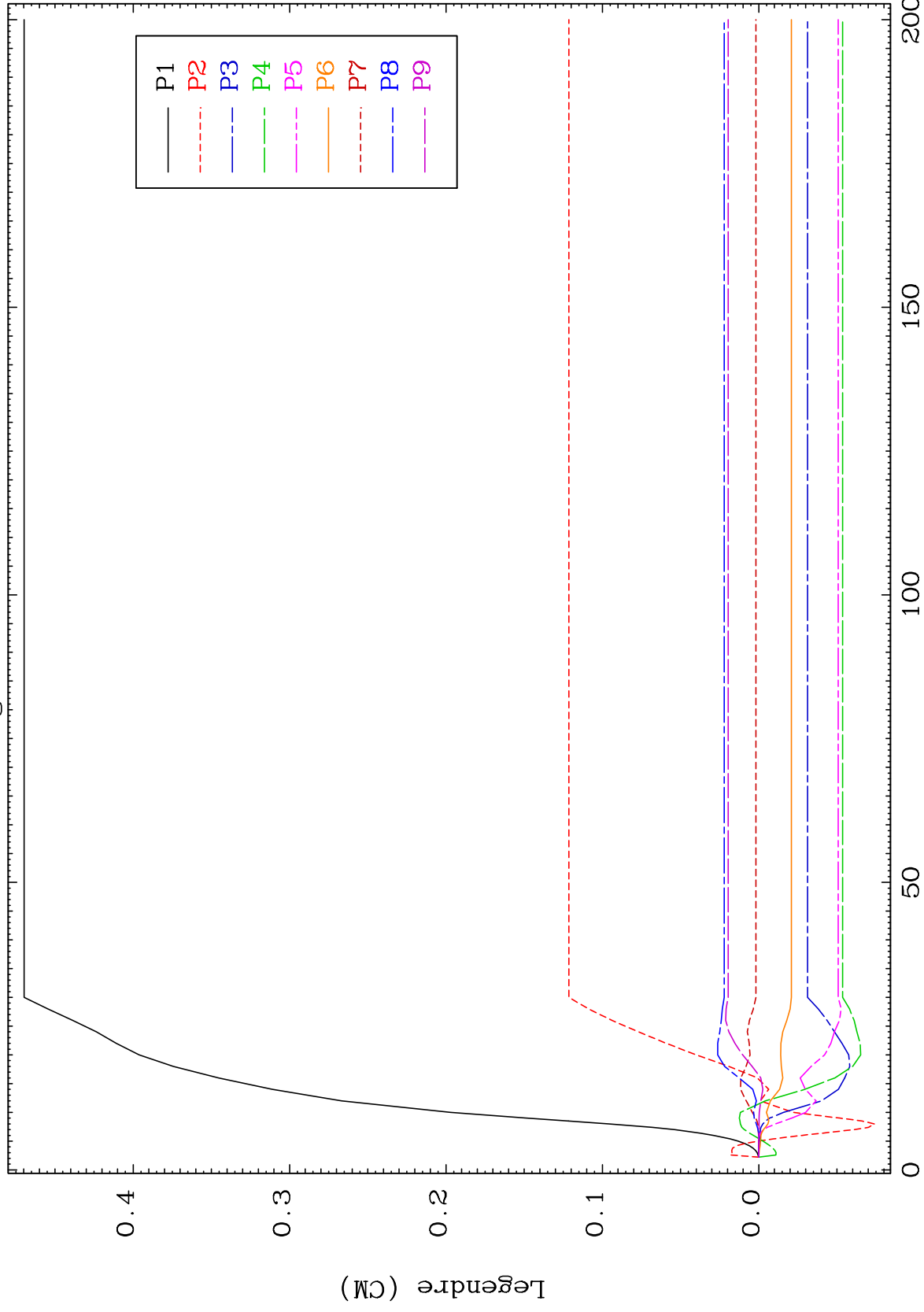




MAT 8231

2.200 MeV (n,n') Level  
Legendre Coefficients

82-Pb-206



56

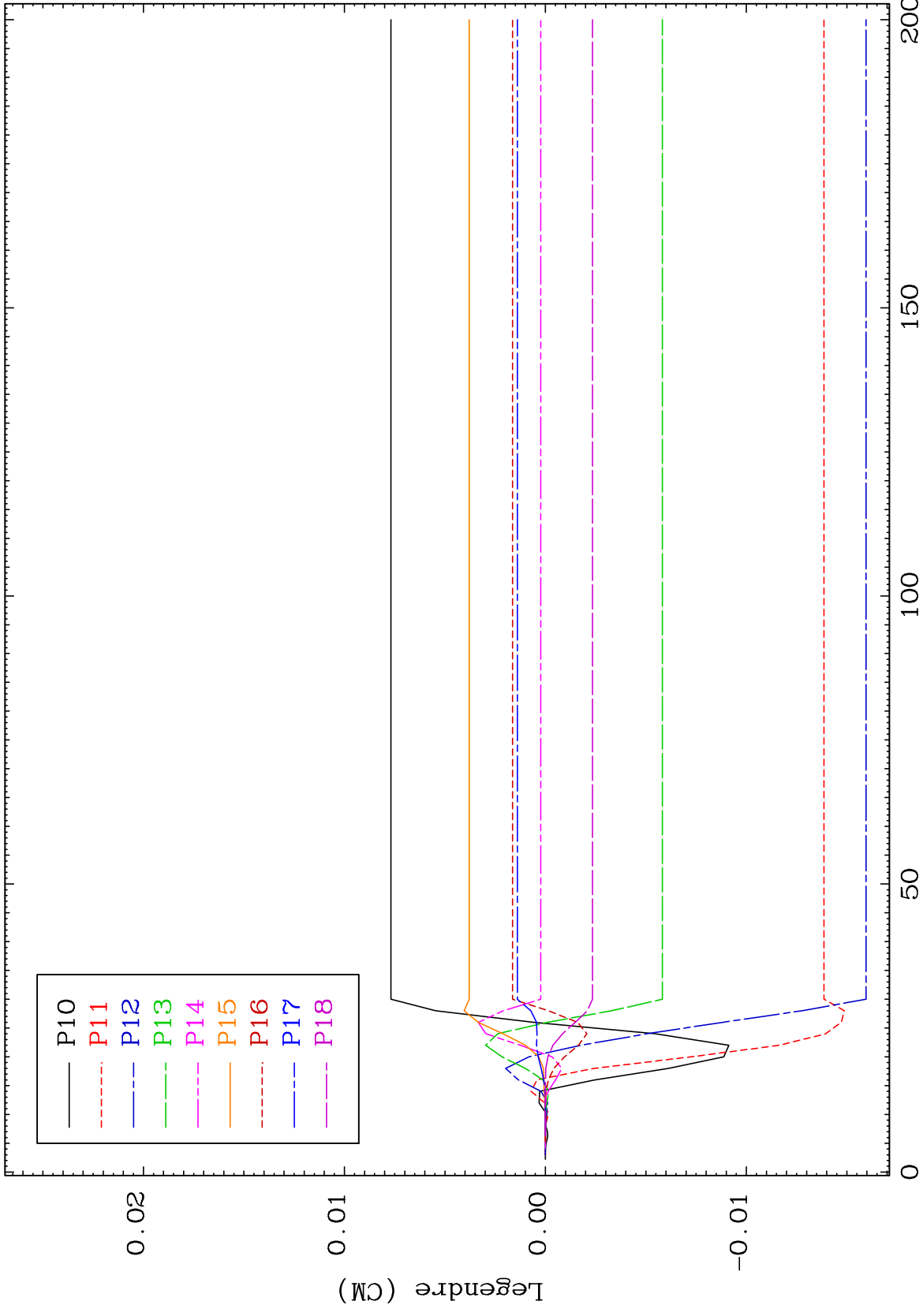
Incident Energy (MeV)

82-Pb-206

MAT 8231

2.200 MeV (n,n') Level  
Legendre Coefficients

82-Pb-206



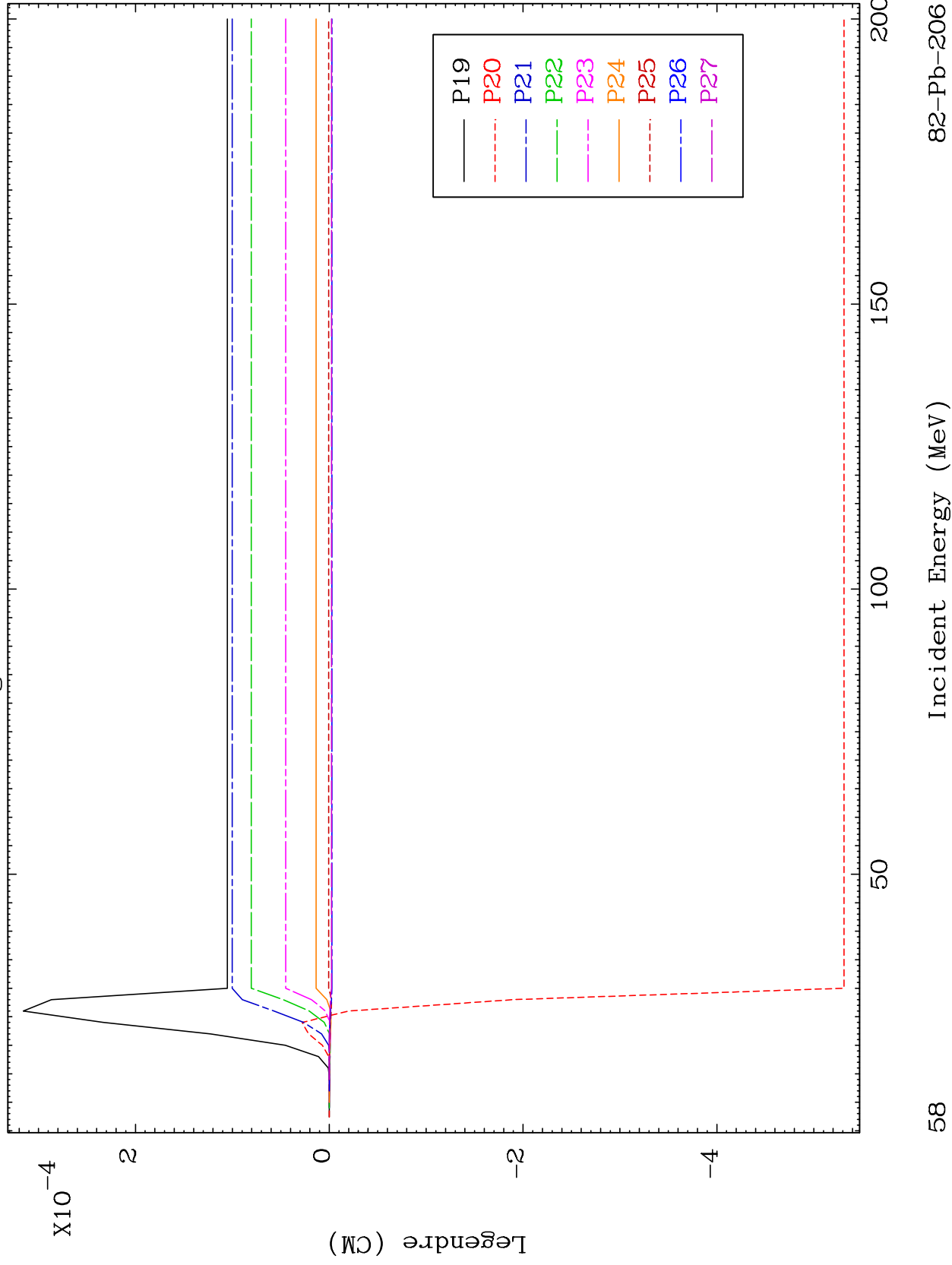
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82-Pb-206

MAT 8231

2.200 MeV (n,n') Level  
Legendre Coefficients

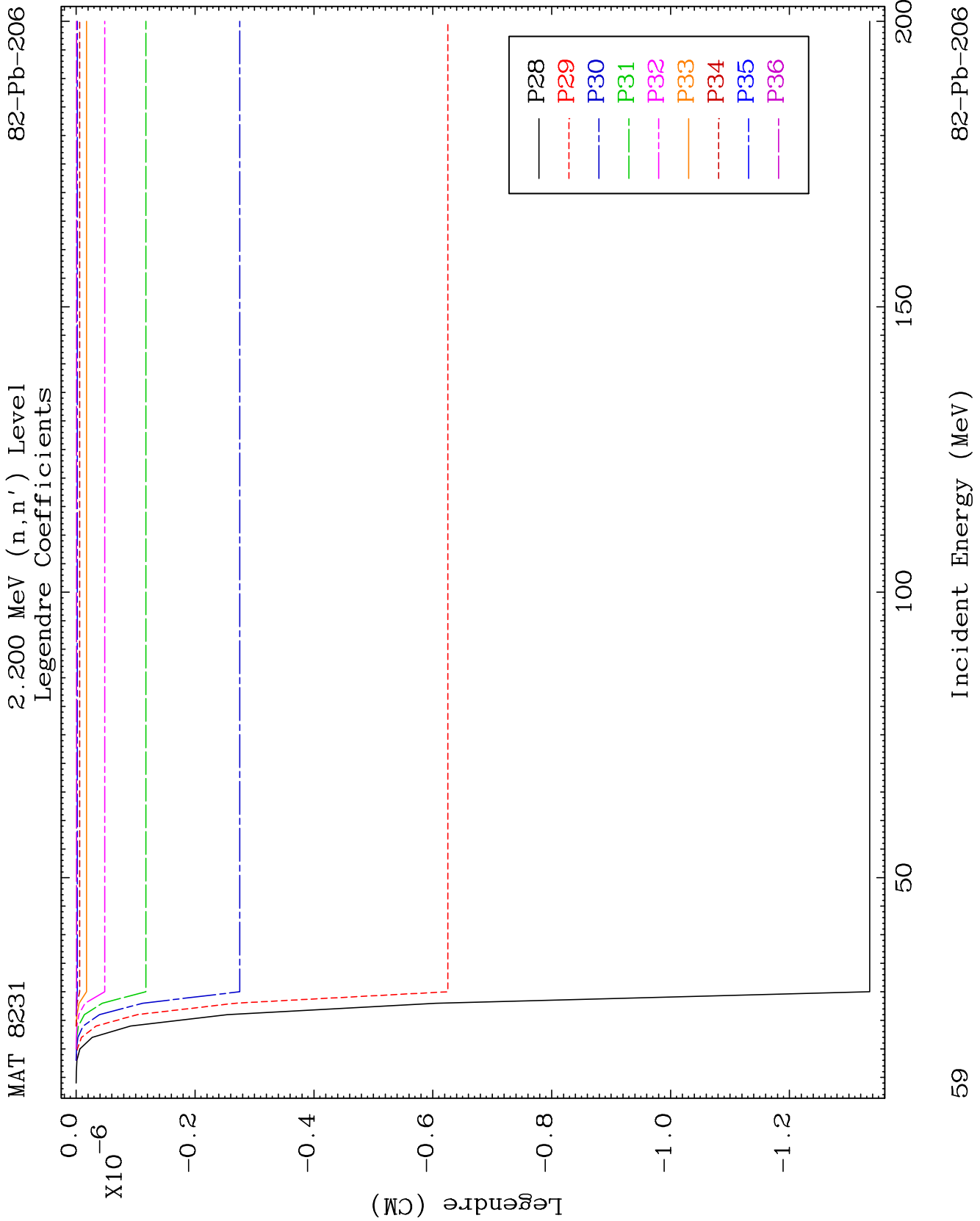
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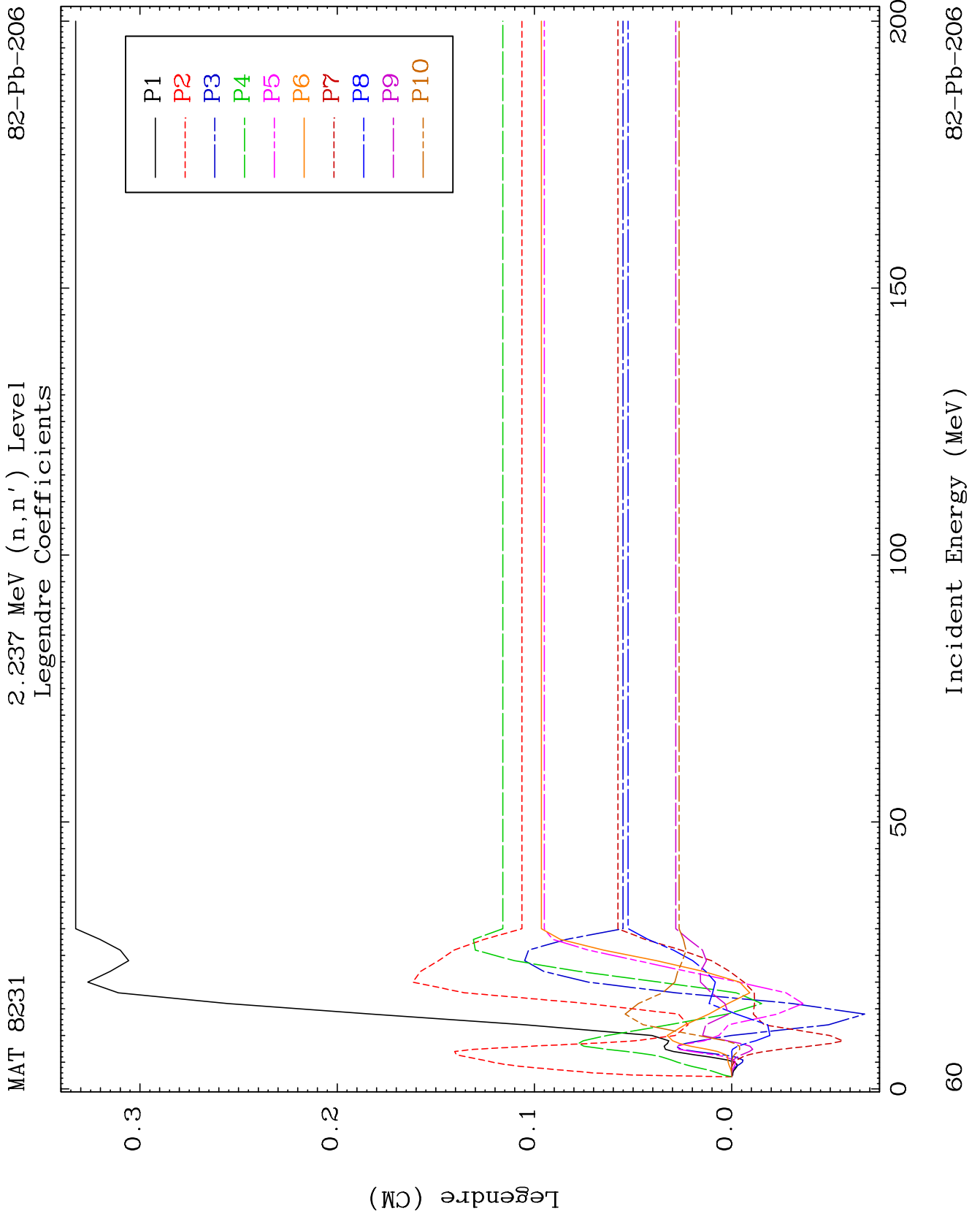


58

Incident Energy (MeV)

82-Pb-206

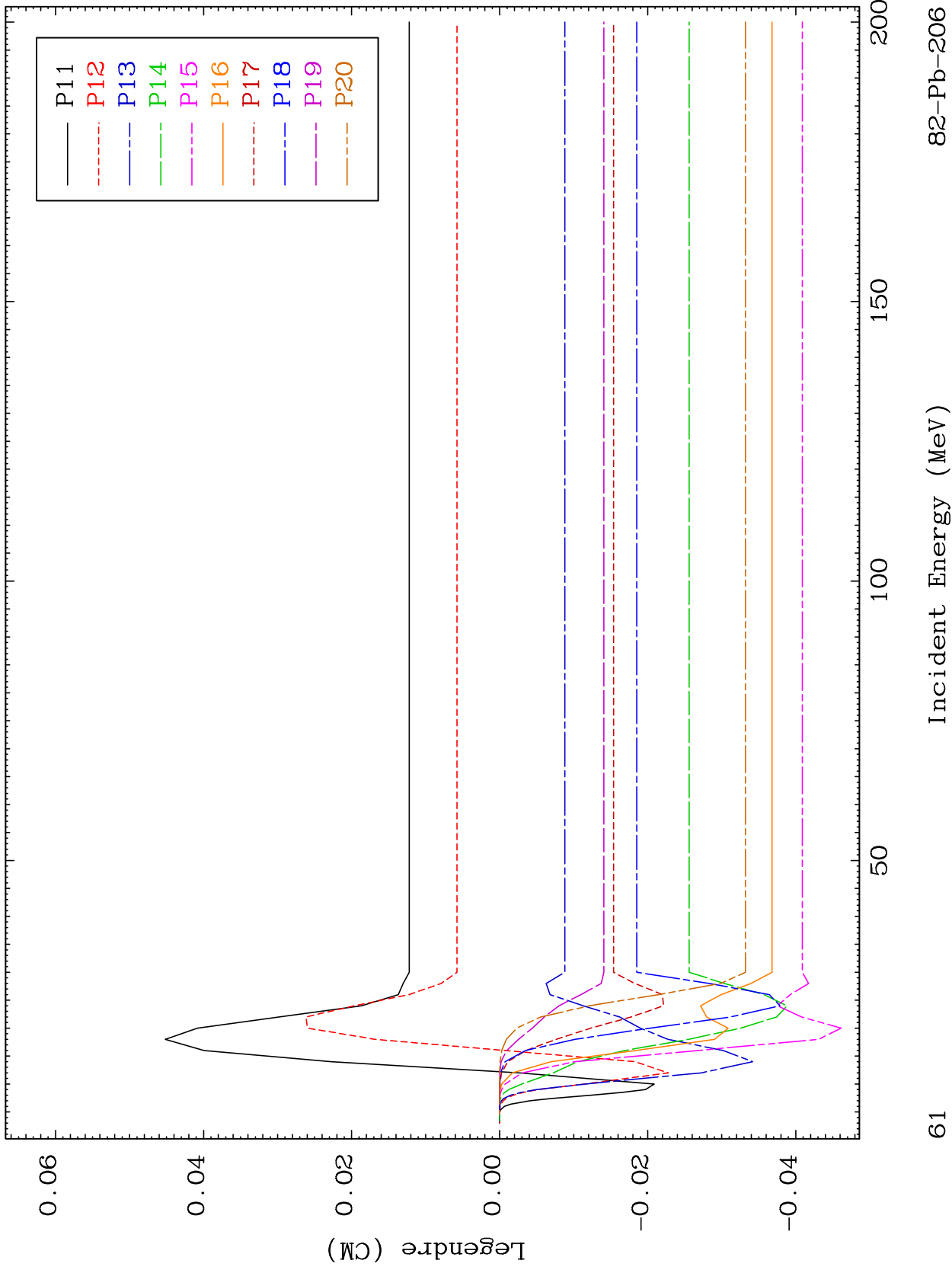




MAT 8231

2.237 MeV (n,n') Level  
Legendre Coefficients

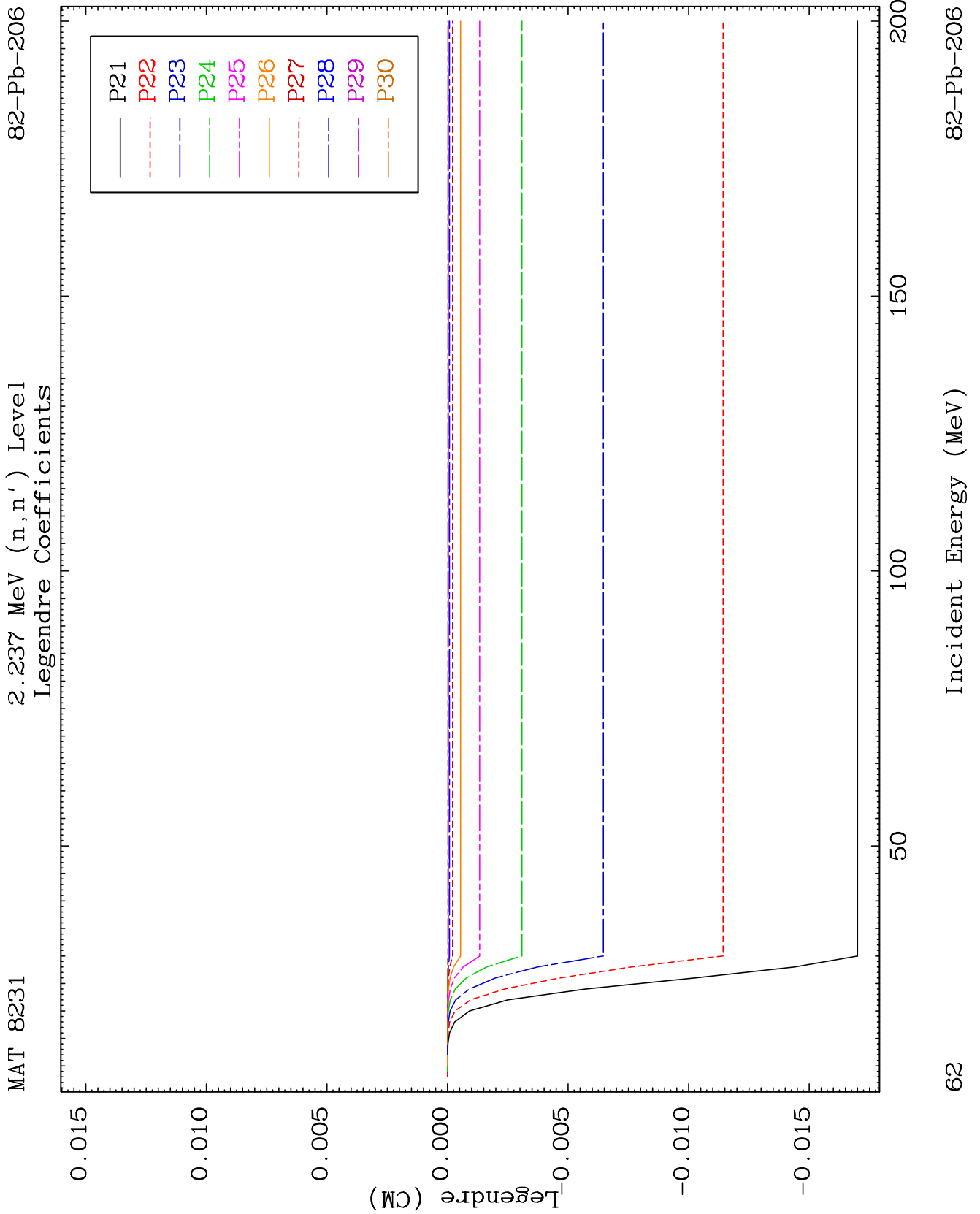
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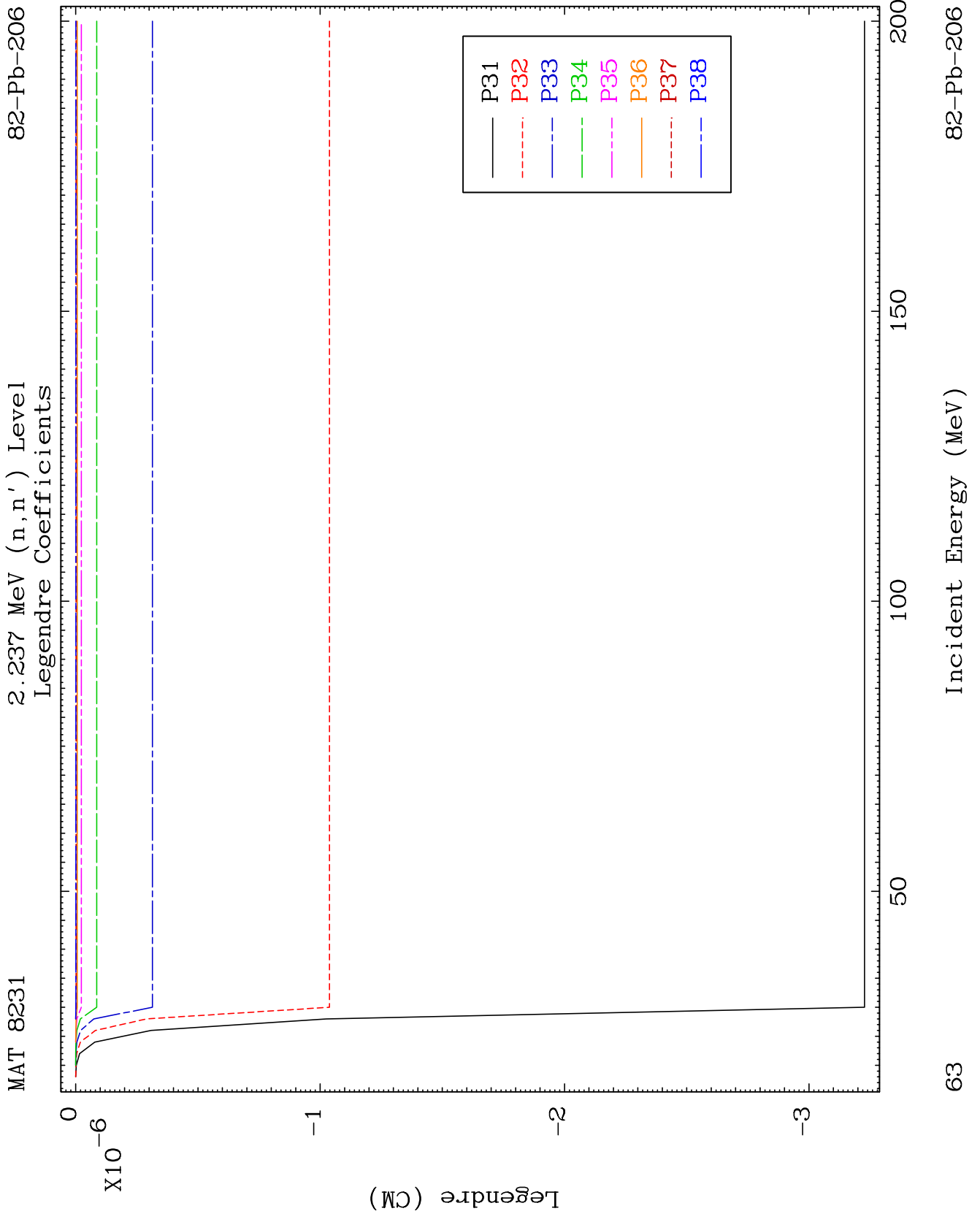


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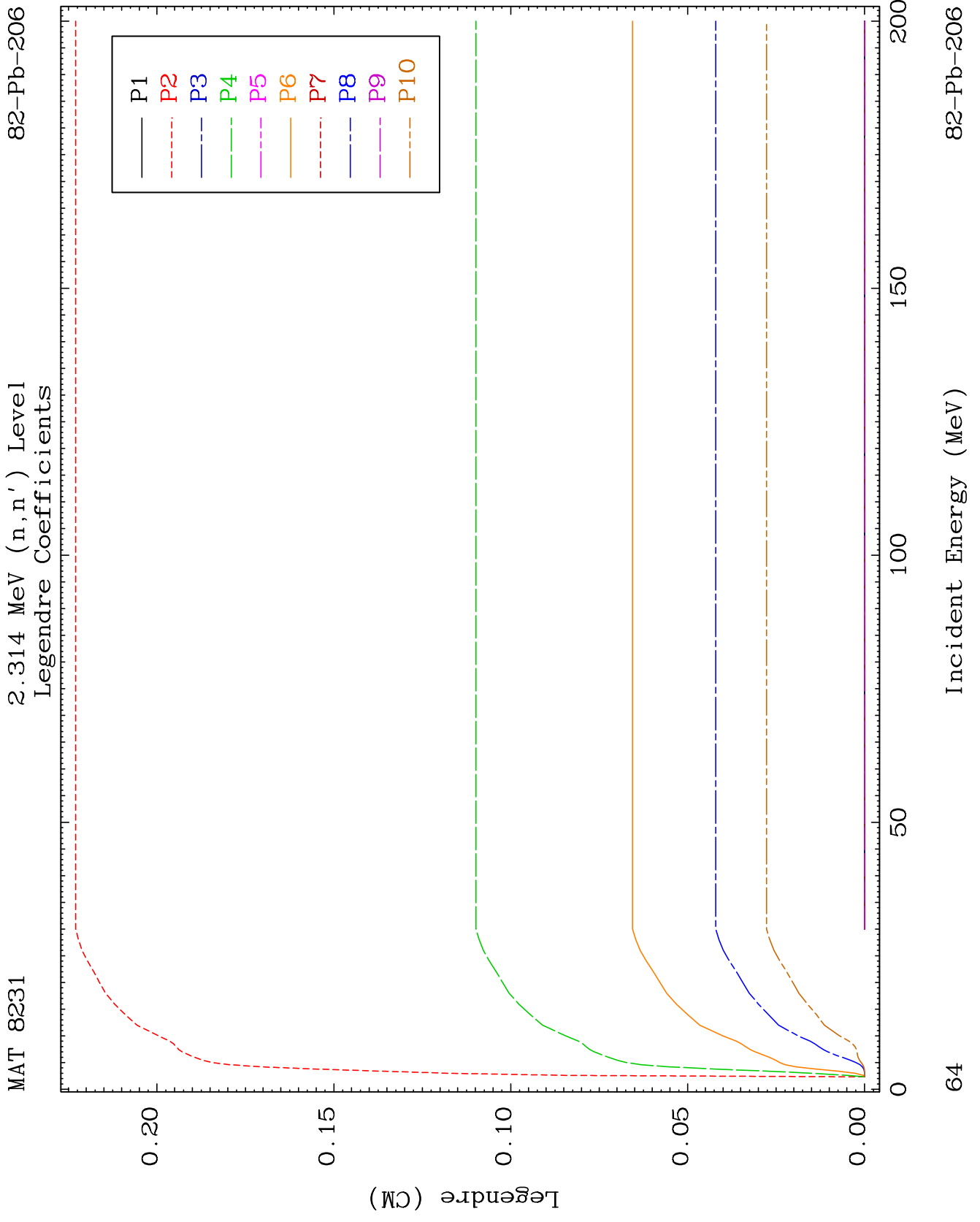
Incident Energy (MeV)

82-Pb-206





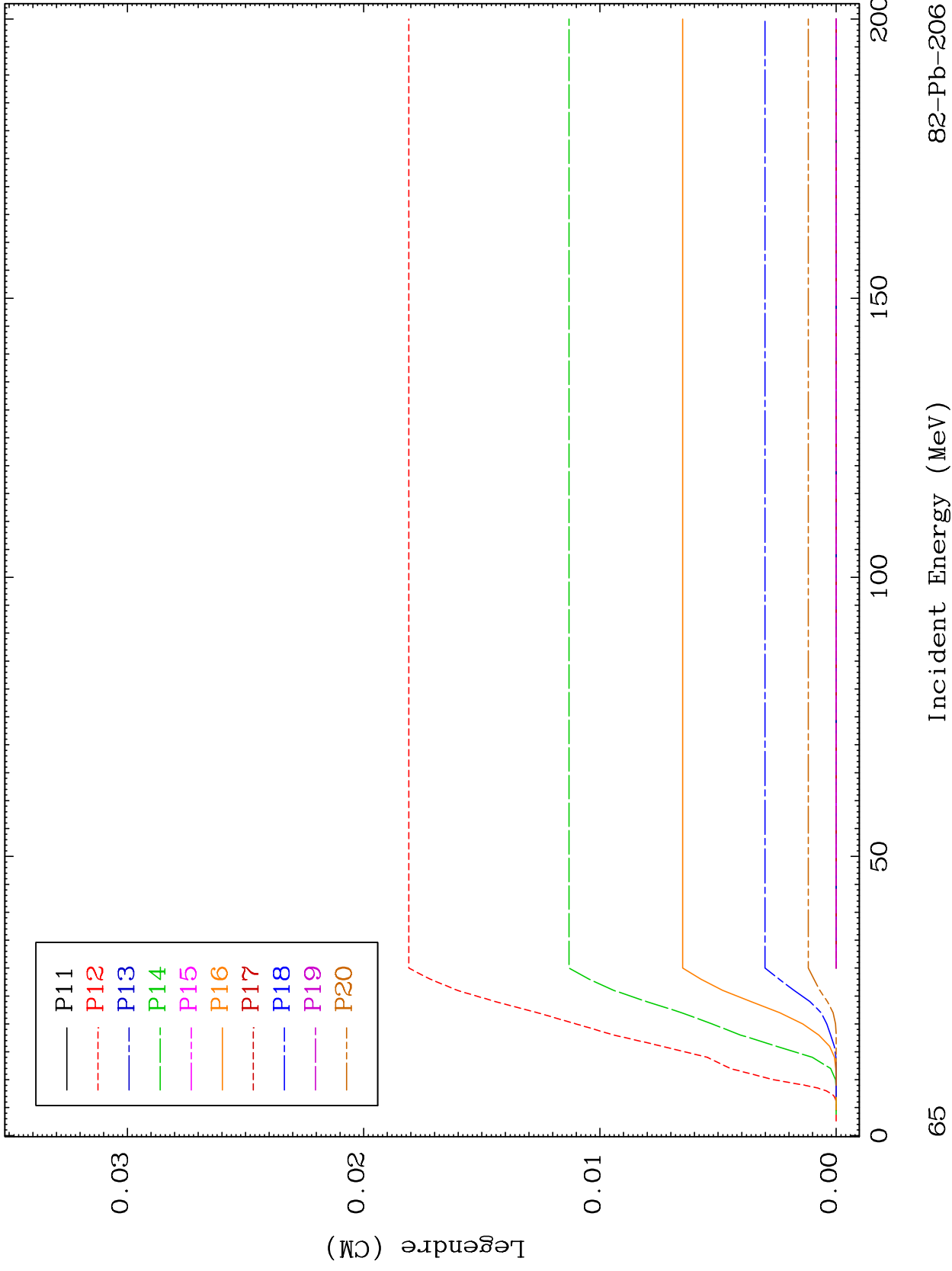




MAT 8231

2.314 MeV (n, n') Level  
Legendre Coefficients

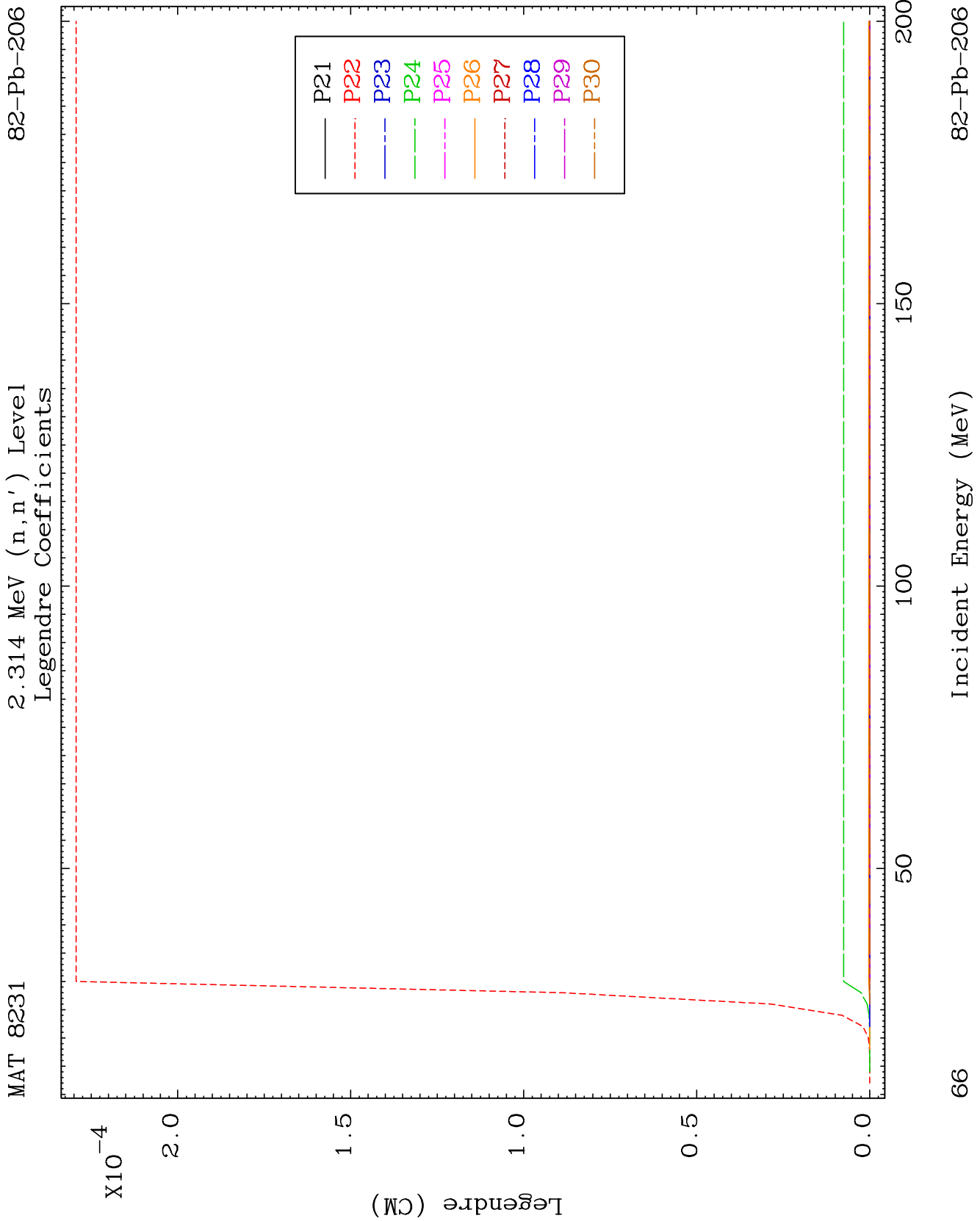
82-Pb-206



65

Incident Energy (MeV)

82-Pb-206

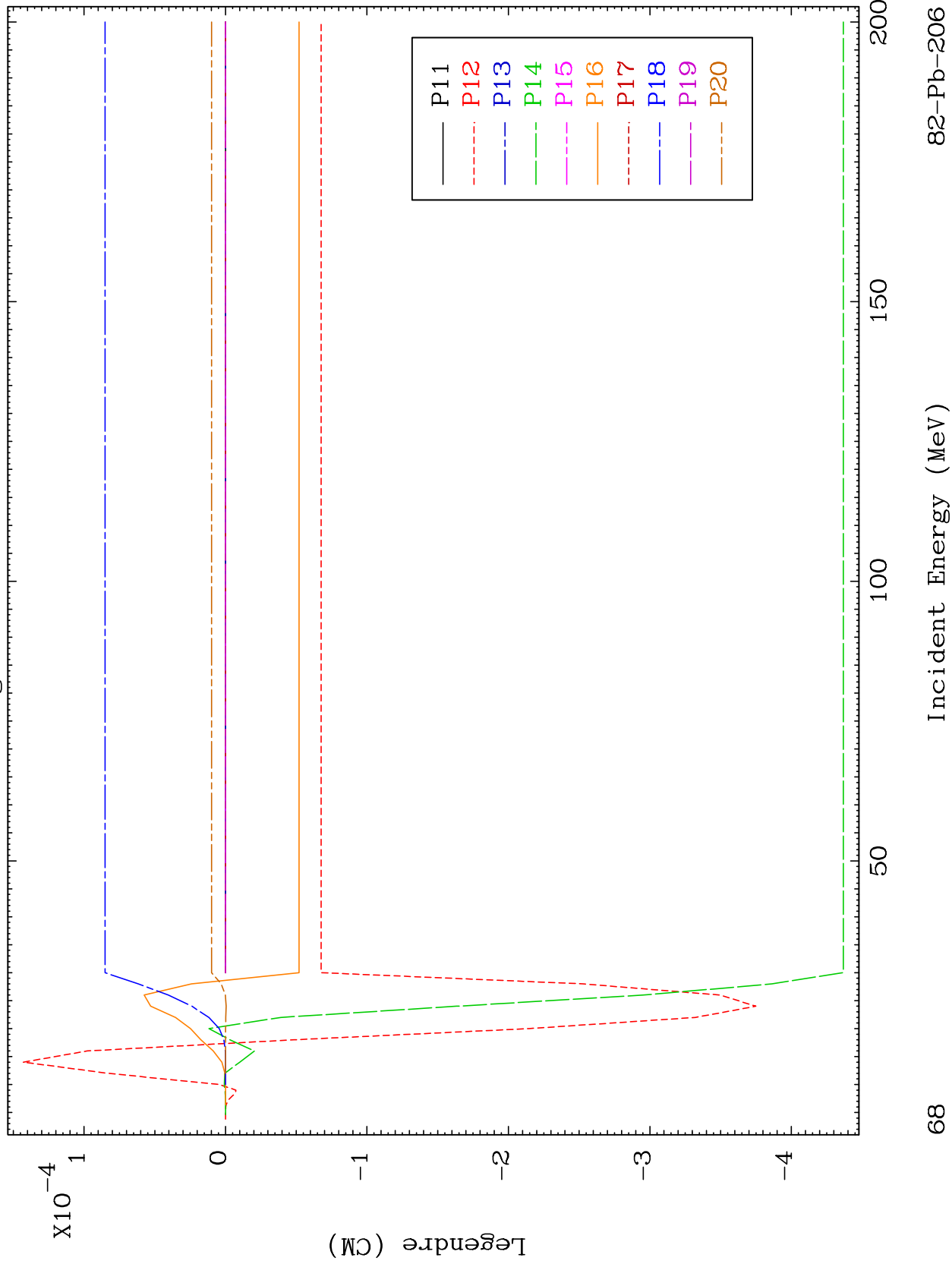




MAT 8231

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Legendre Coefficients

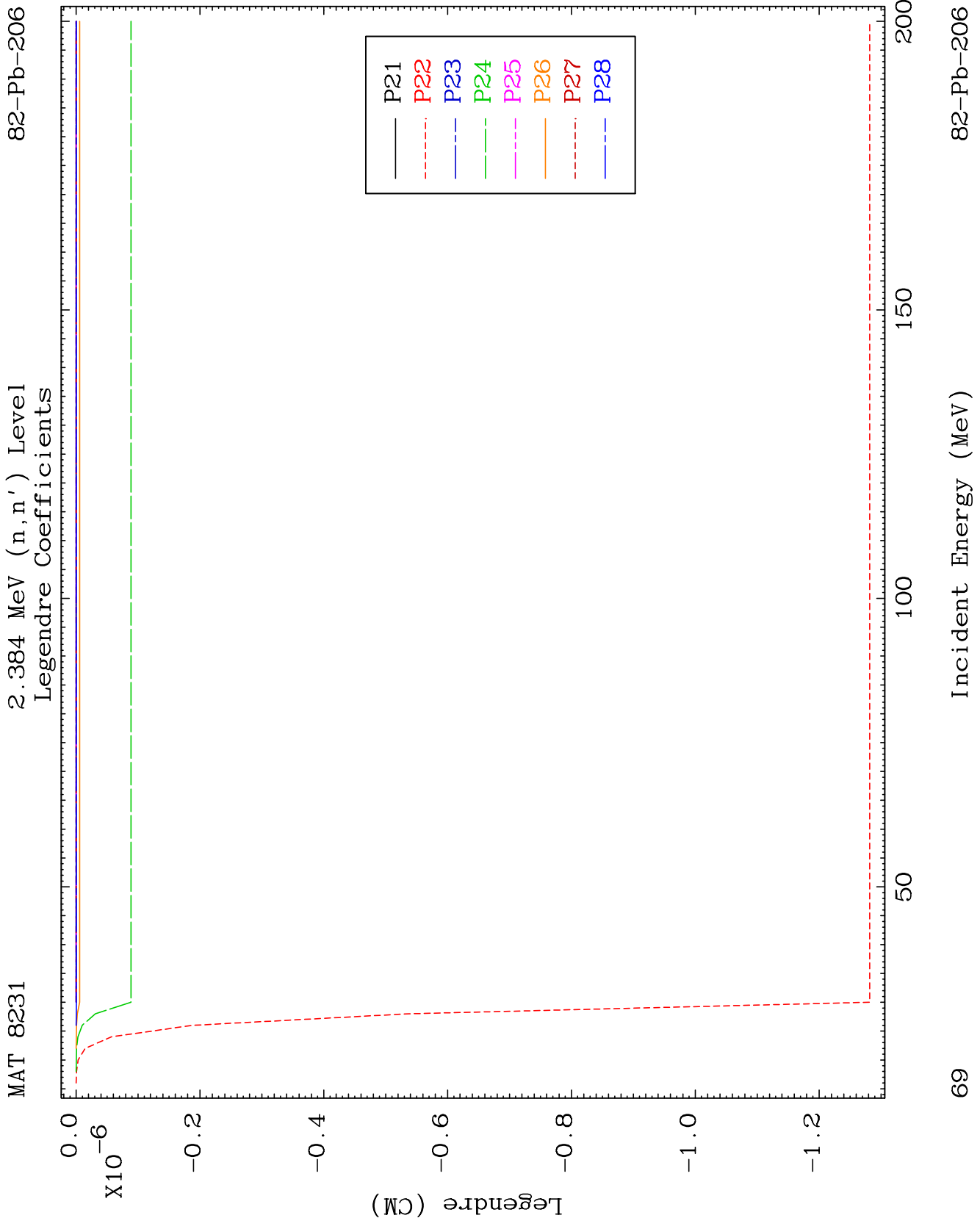
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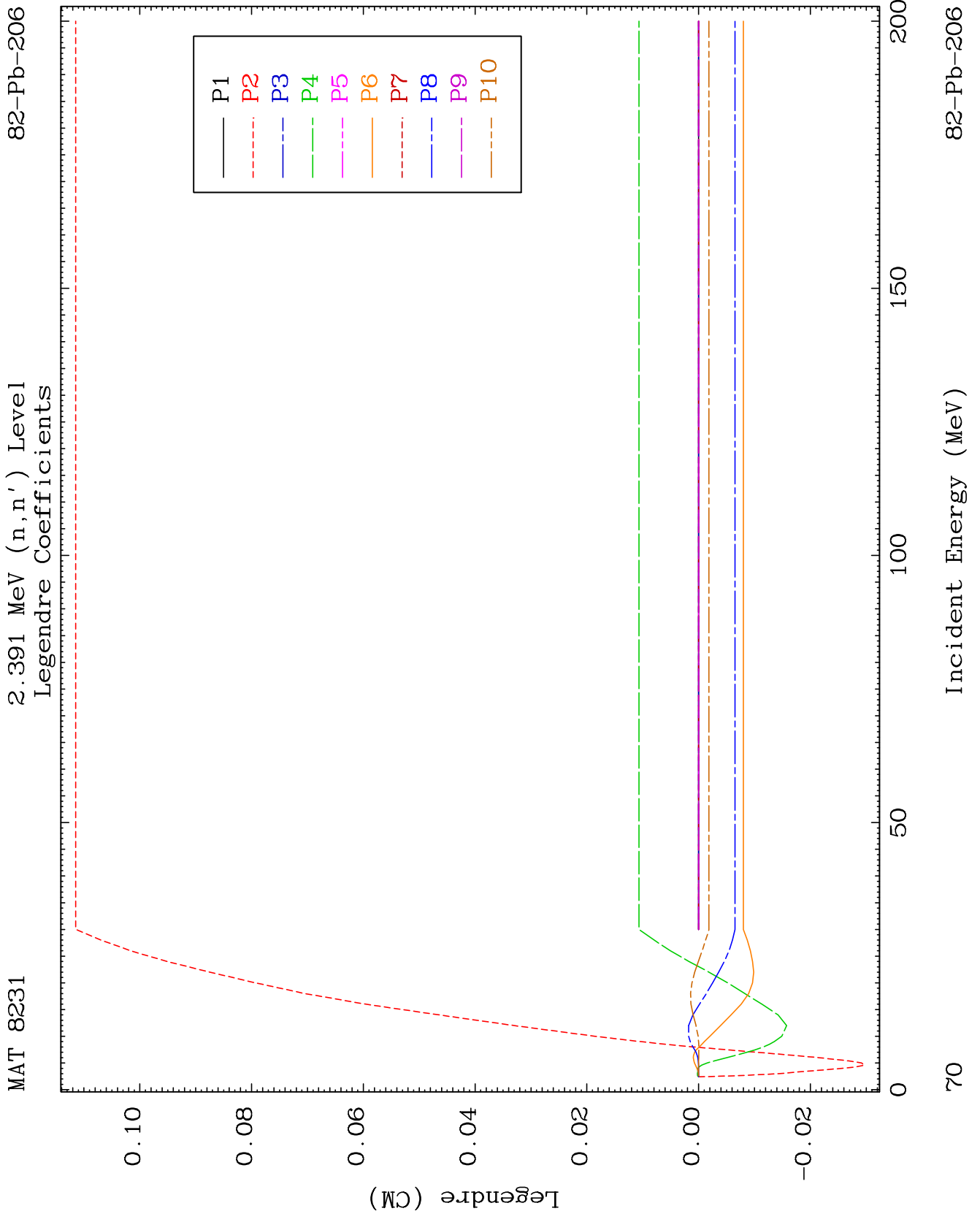


68

Incident Energy (MeV)

82-Pb-206

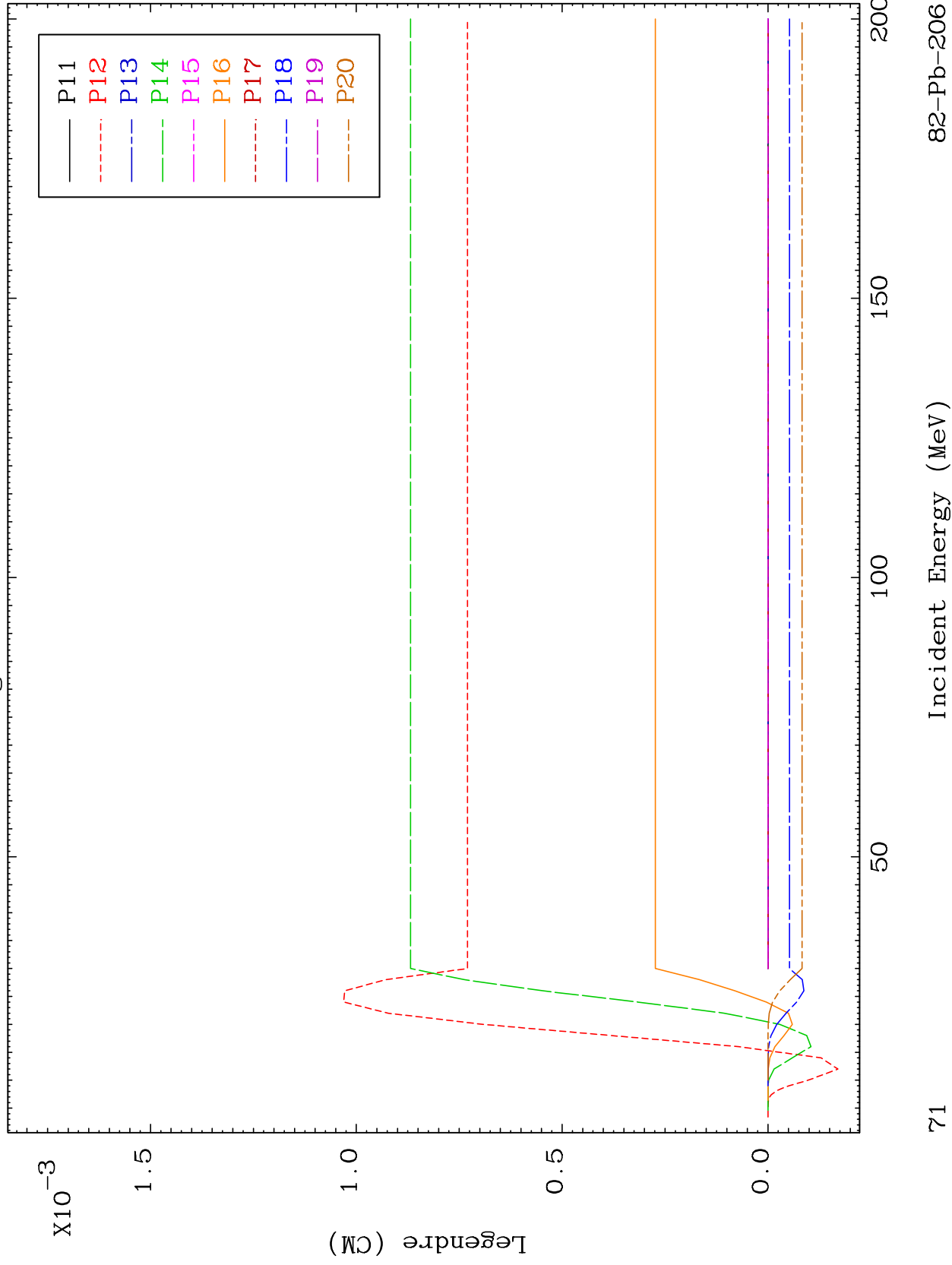




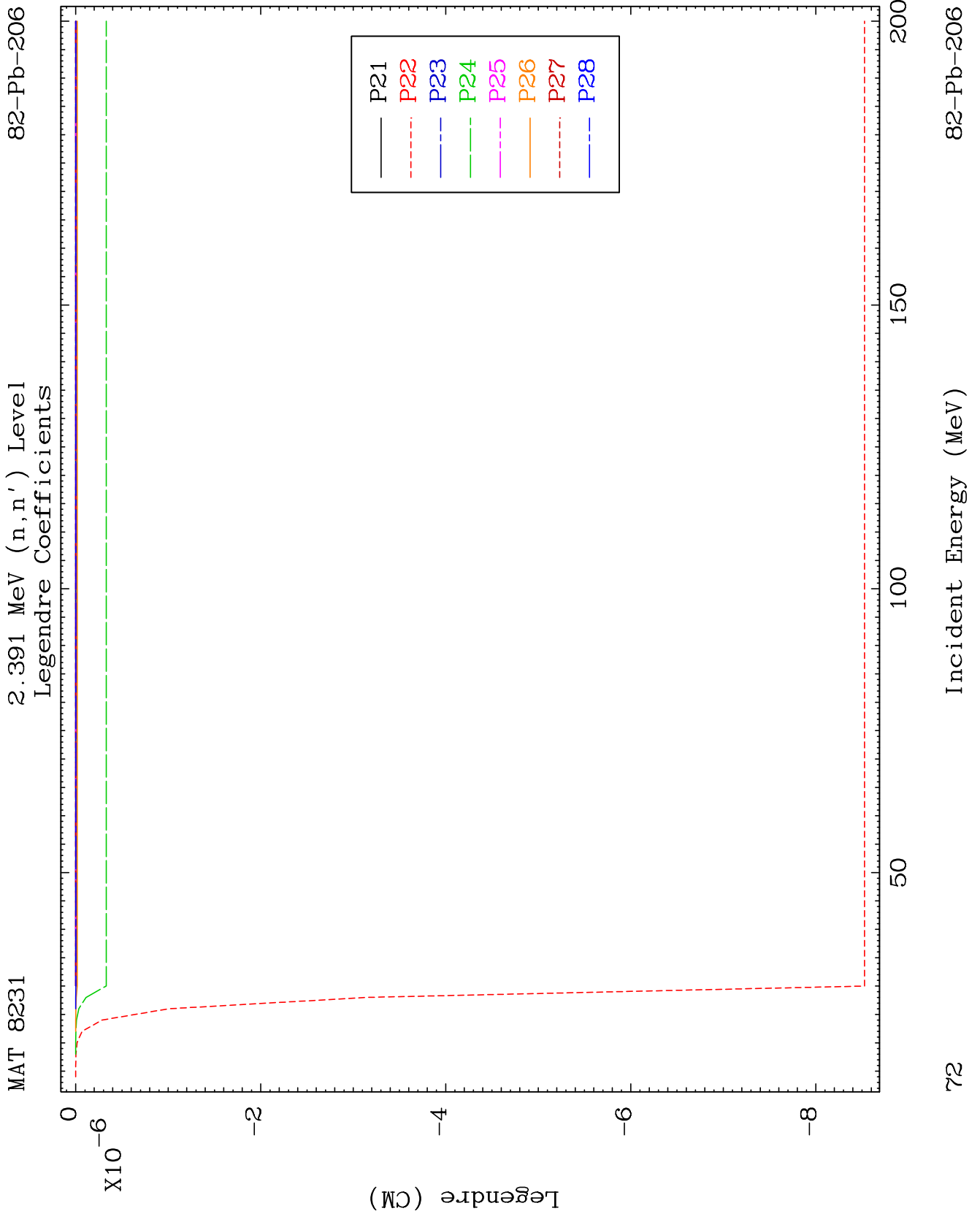
MAT 8231

2.391 MeV (n,n') Level  
Legendre Coefficients

82-Pb-206





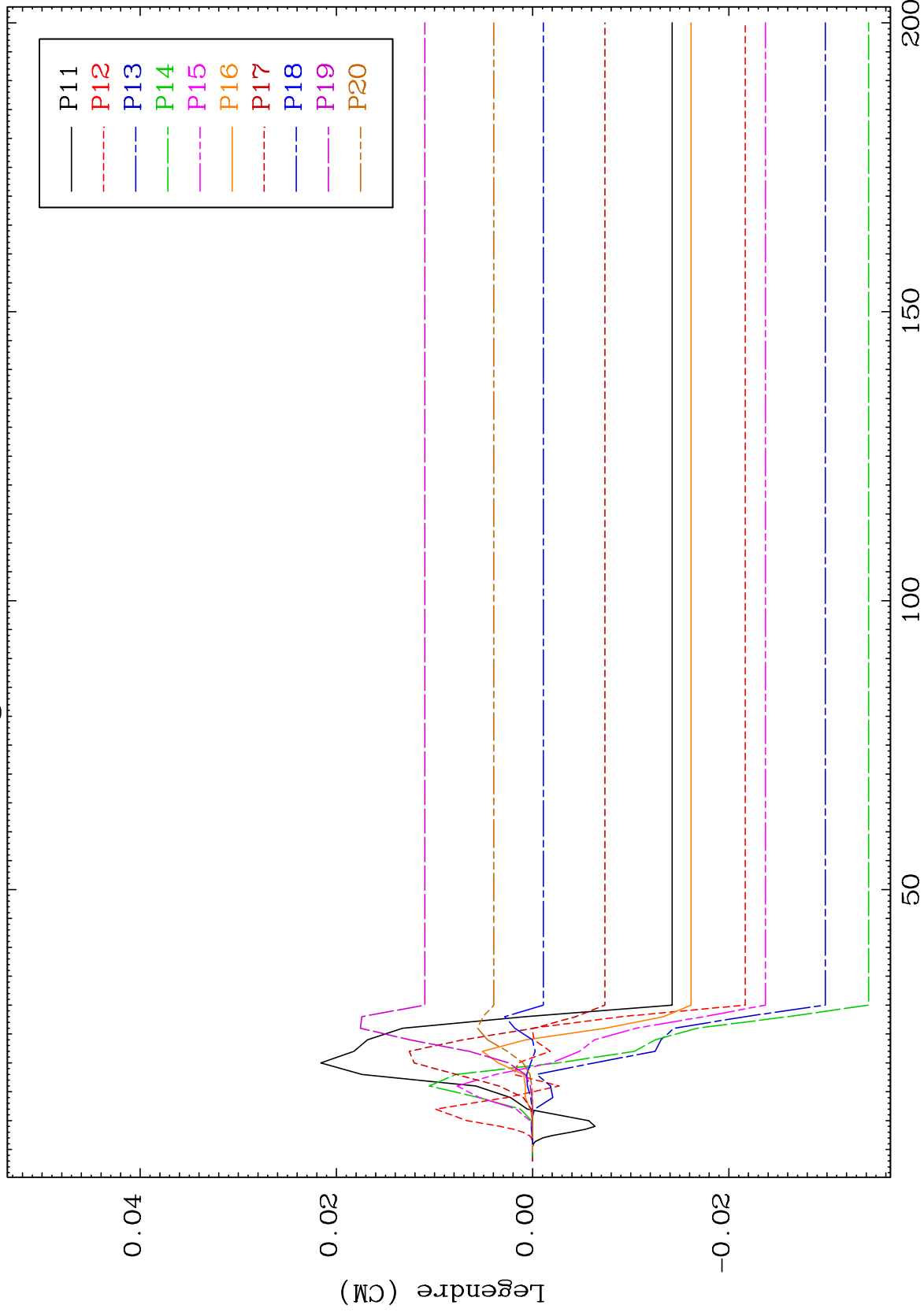




MAT 8231

2.423 MeV (n, n') Level  
Legendre Coefficients

82-Pb-206



74

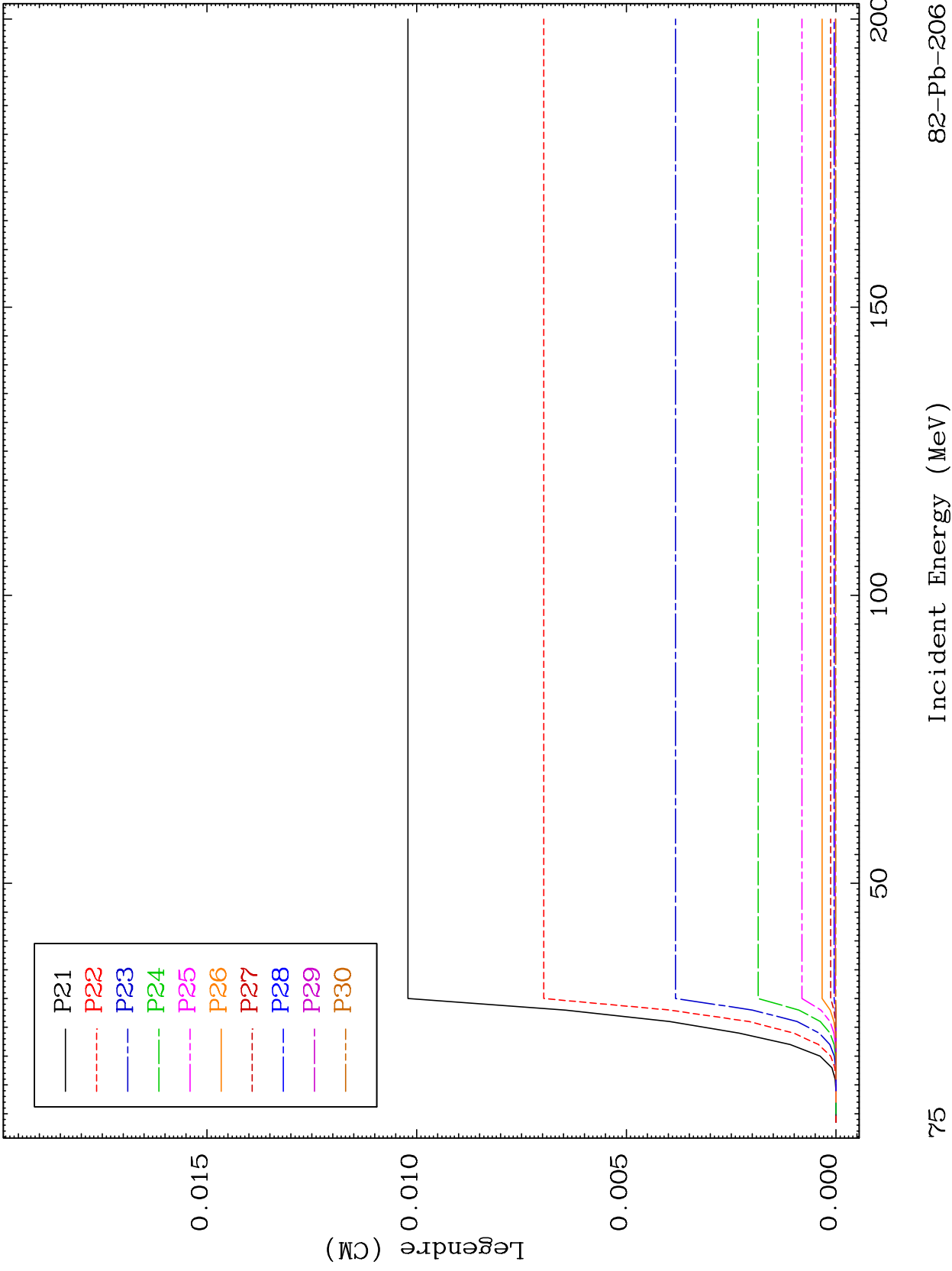
Incident Energy (MeV)

82-Pb-206

MAT 8231

2.423 MeV (n,n') Level  
Legendre Coefficients

82-Pb-206



75

Incident Energy (MeV)

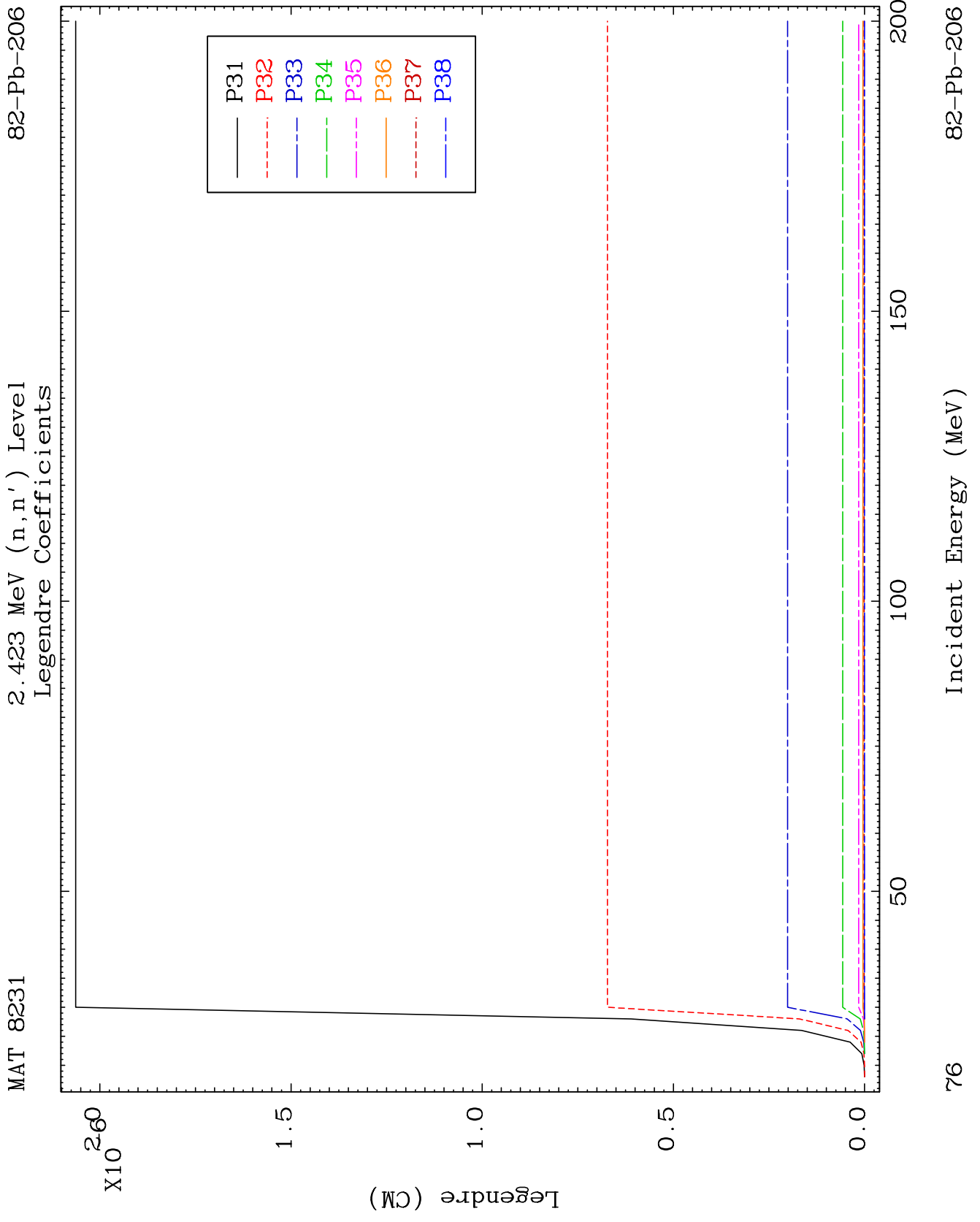
50

100

150

200

82-Pb-206

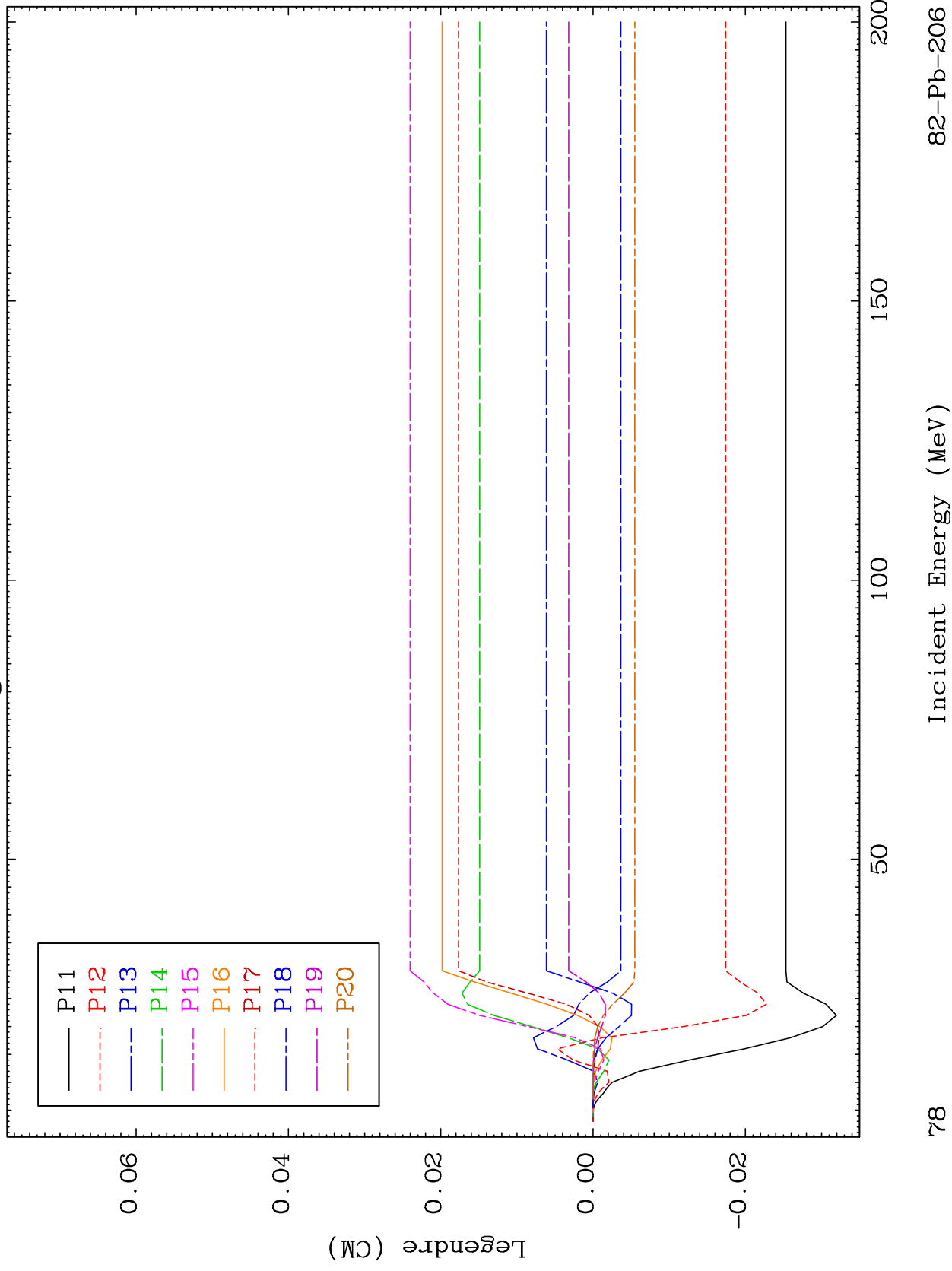




MAT 8231

2.648 MeV (n,n') Level  
Legendre Coefficients

82-Pb-206



78

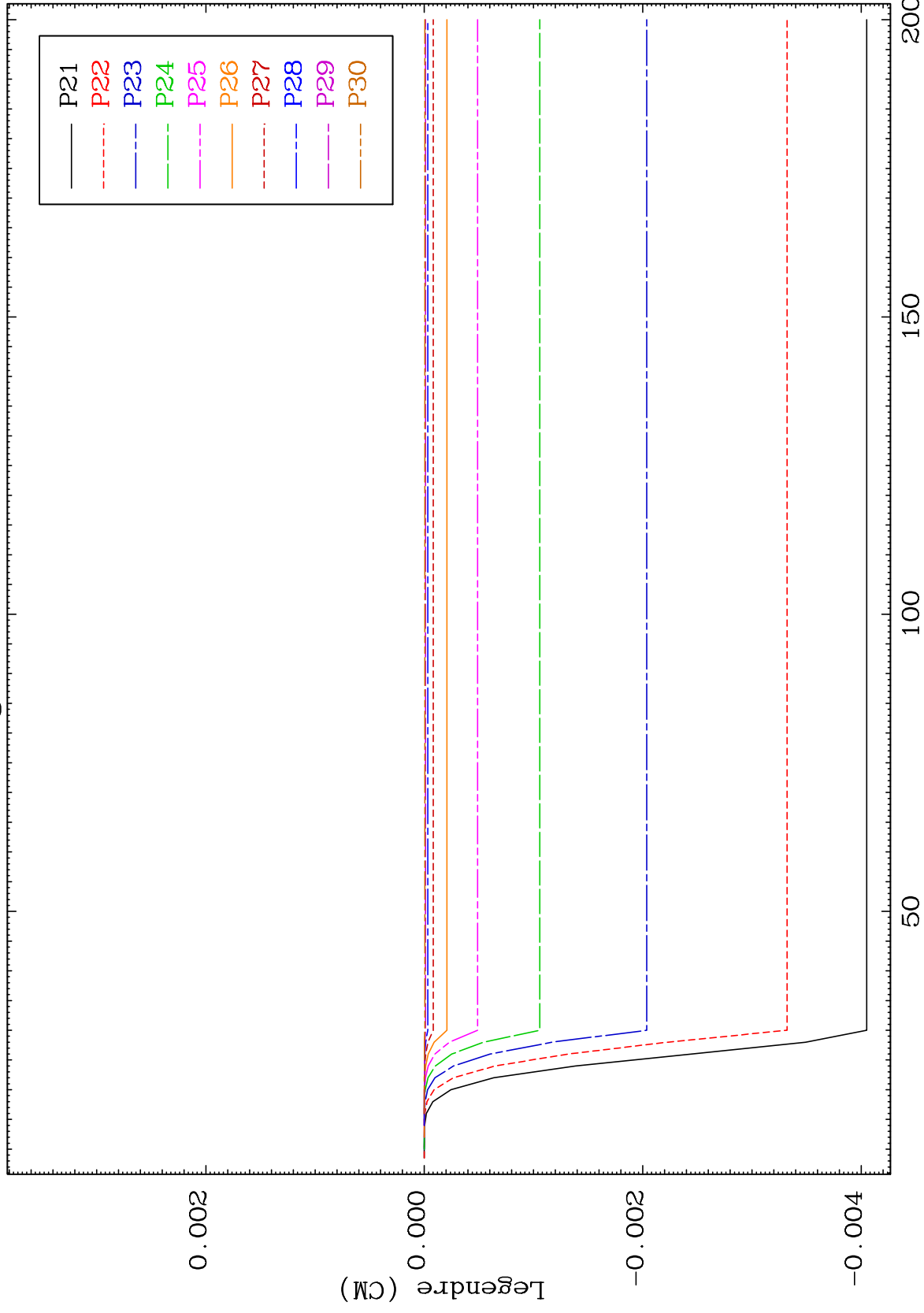
Incident Energy (MeV)

82-Pb-206

MAT 8231

2.648 MeV (n,n') Level  
Legendre Coefficients

82-Pb-206



79

Incident Energy (MeV)

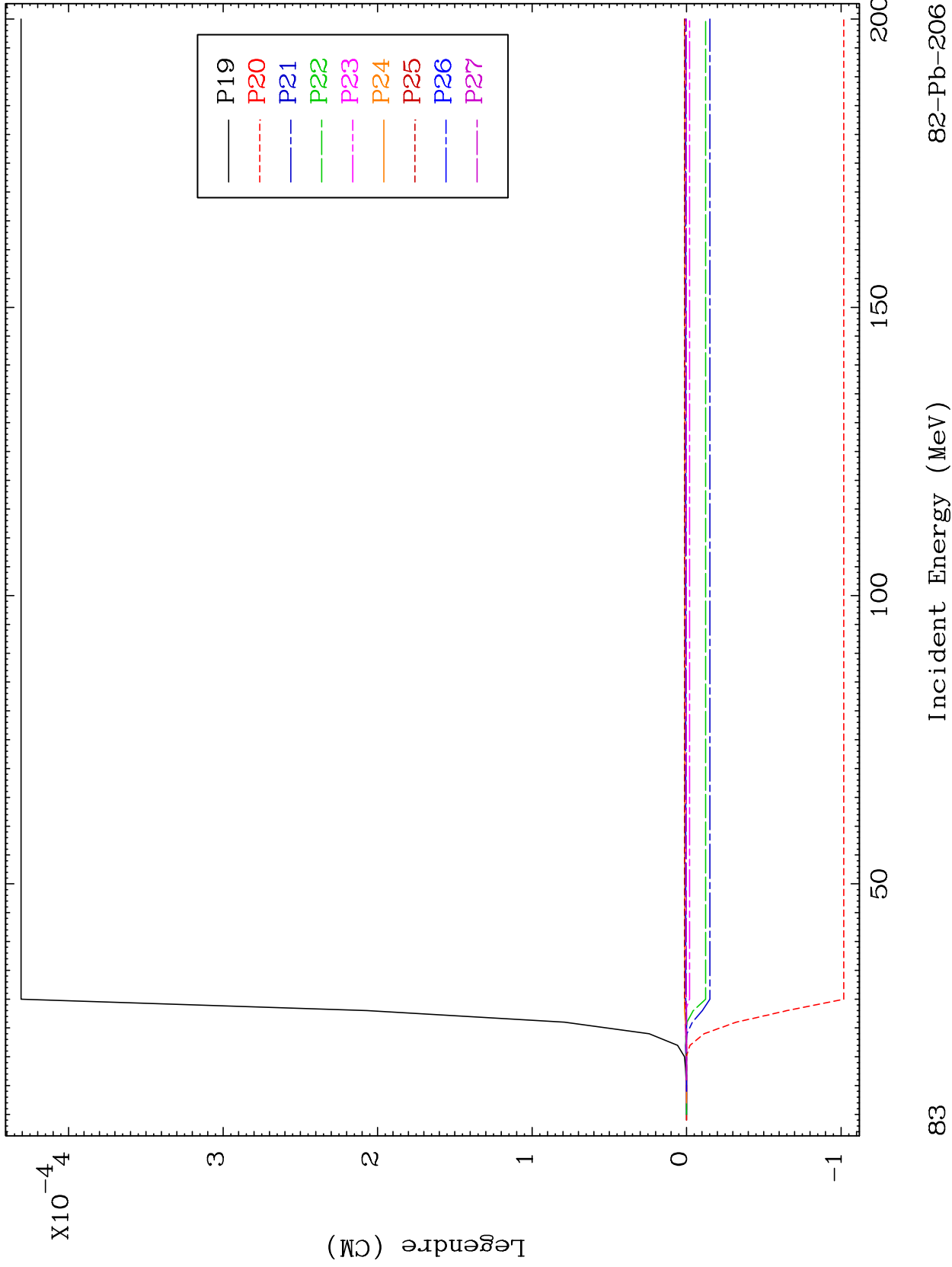
82-Pb-206

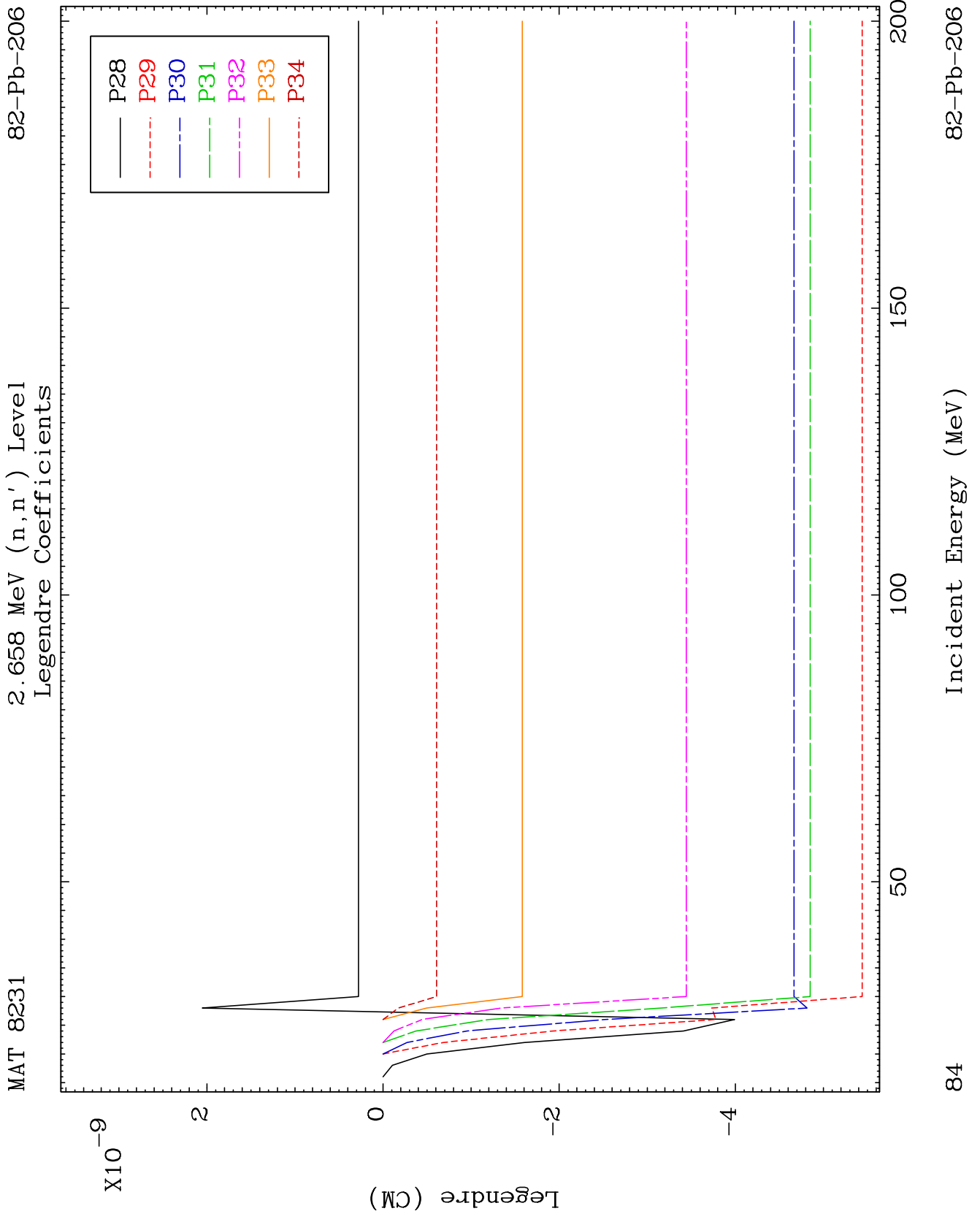


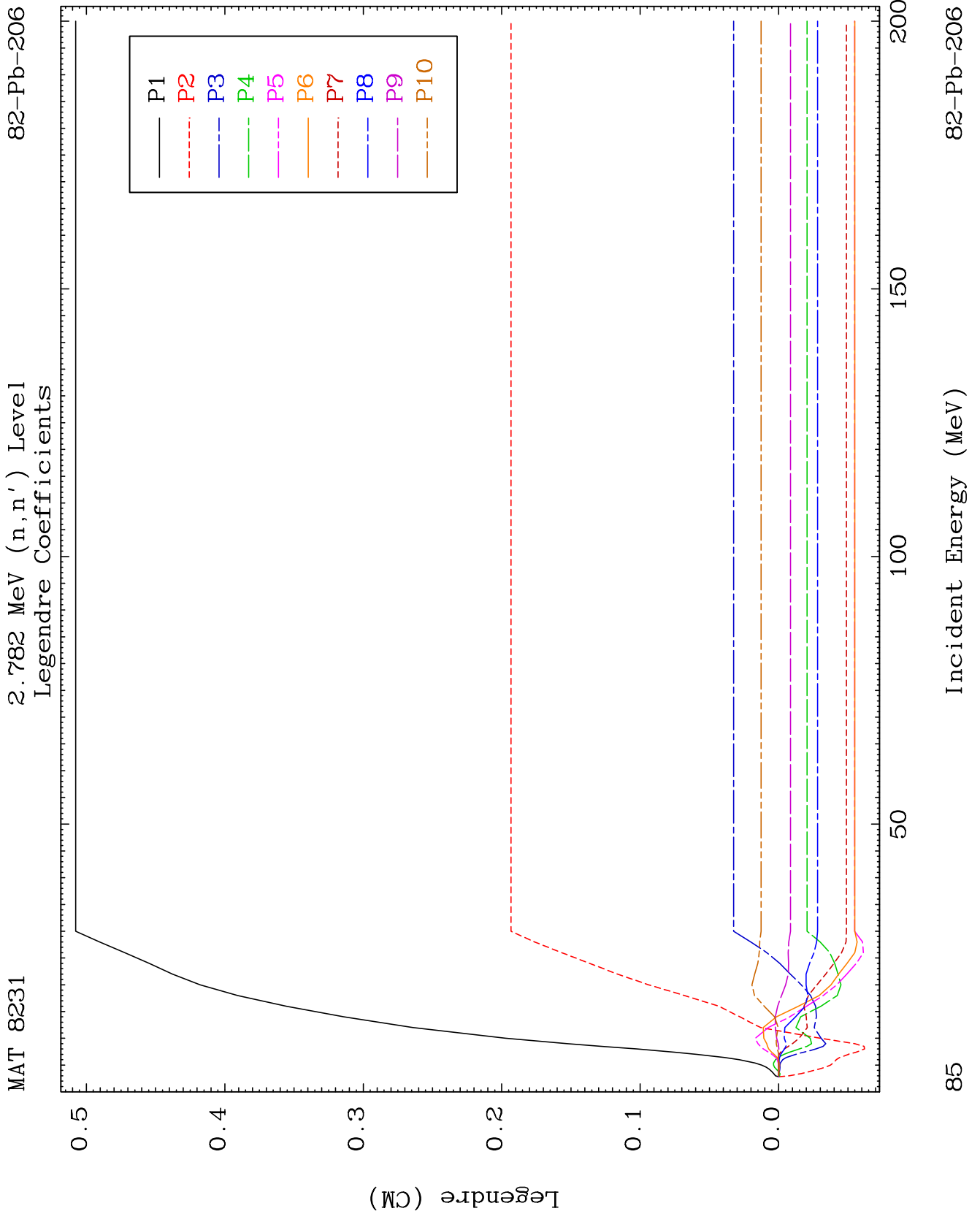


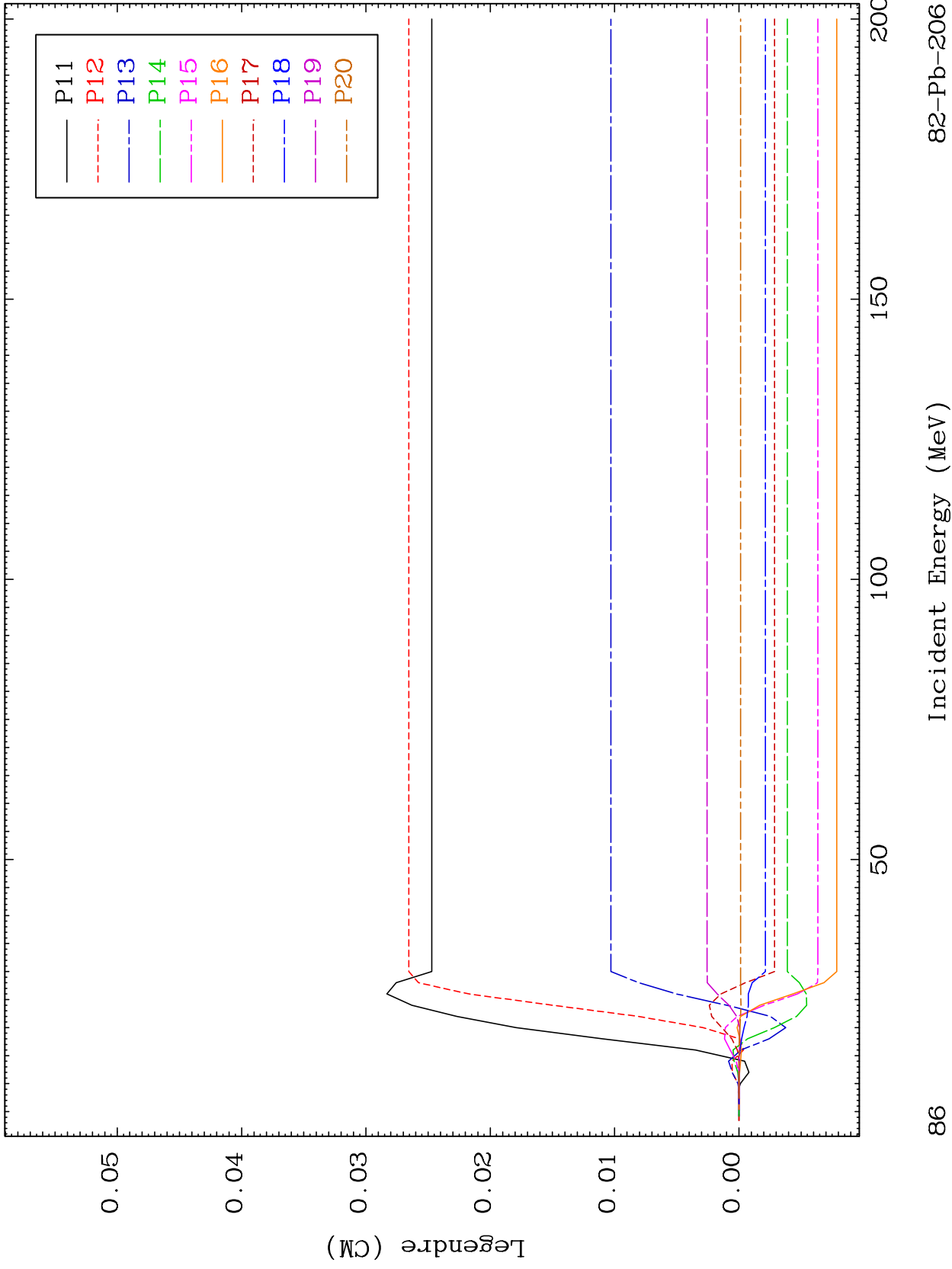








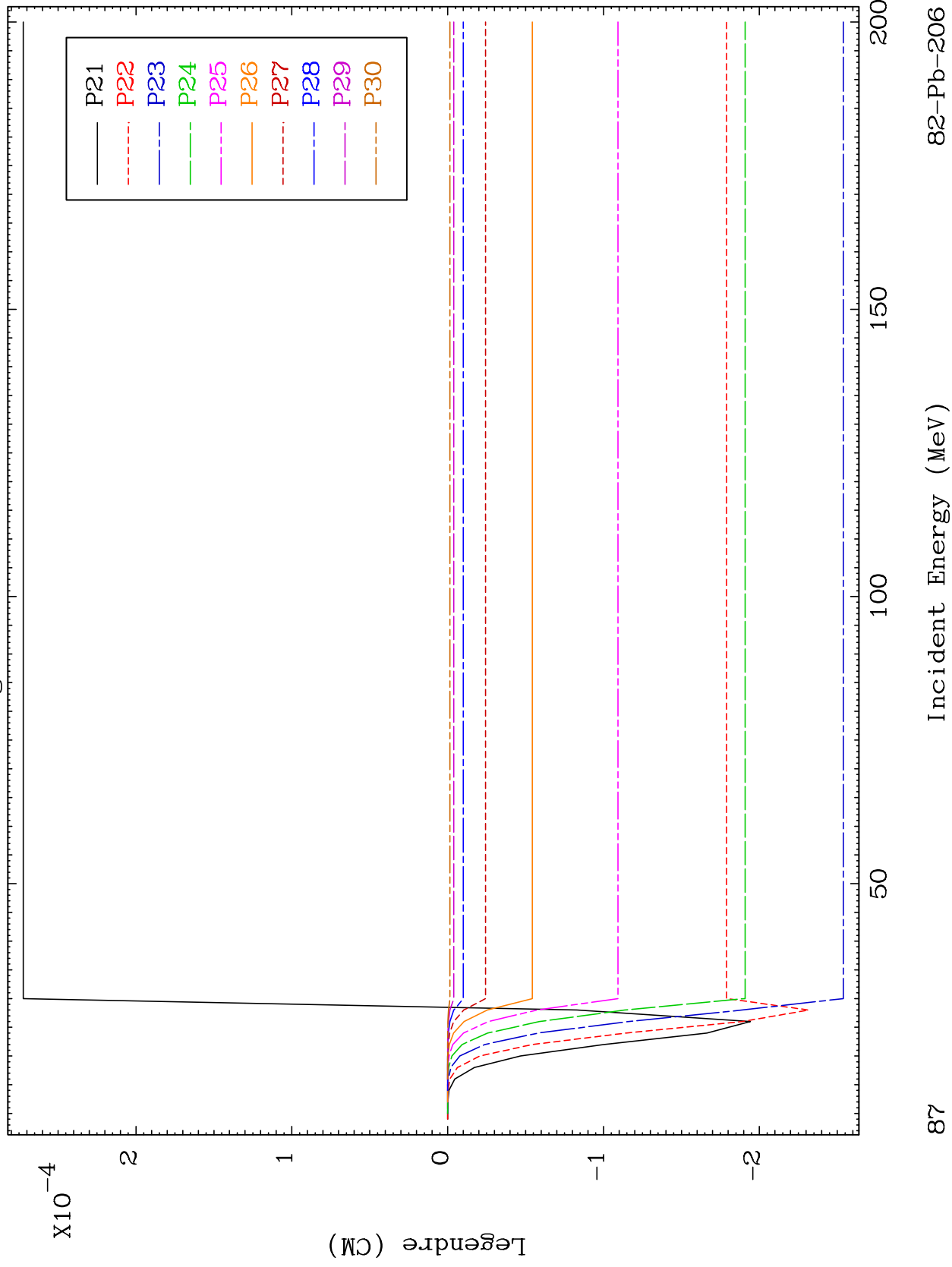




MAT 8231

2.782 MeV (n,n') Level  
Legendre Coefficients

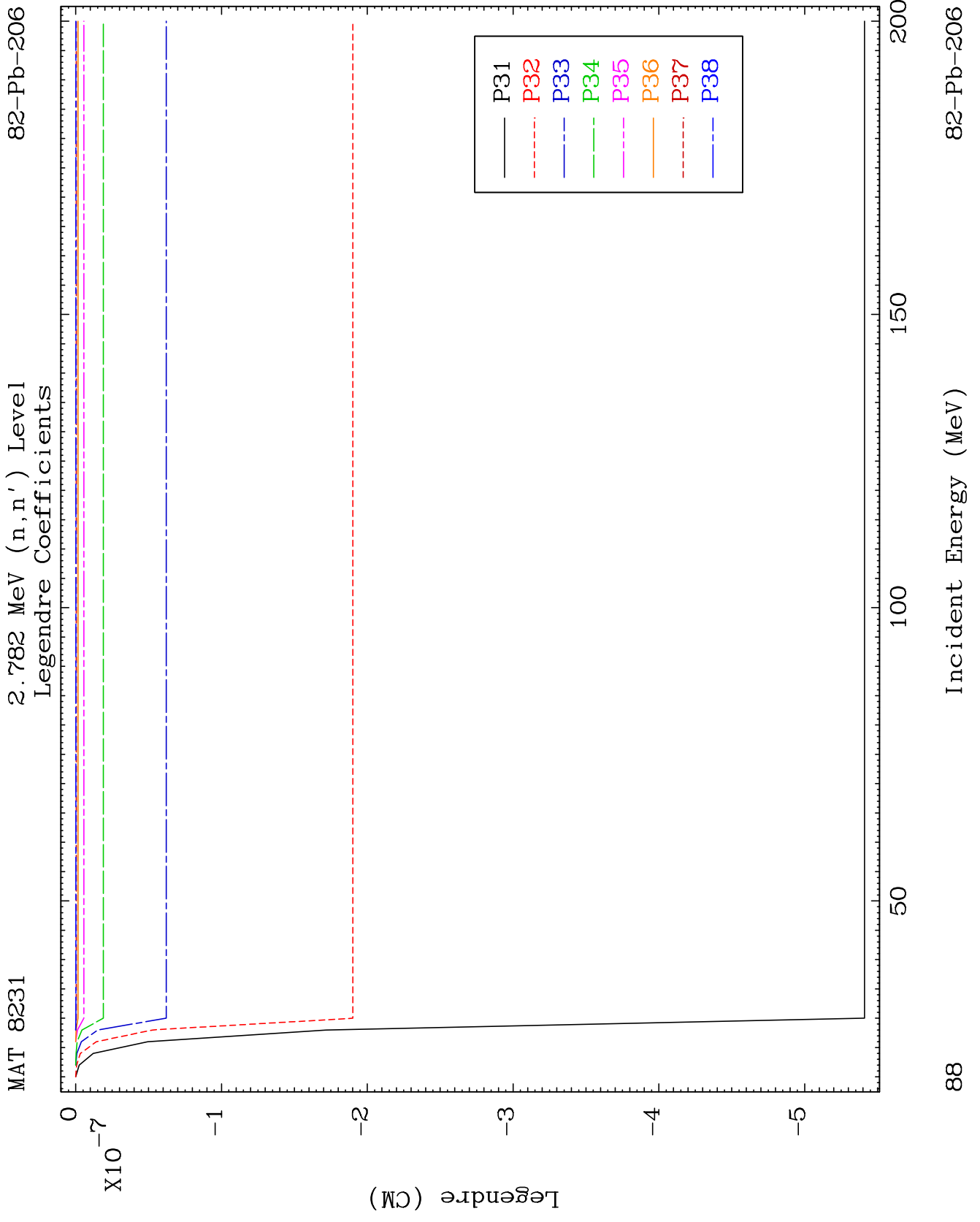
82-Pb-206



87

82-Pb-206



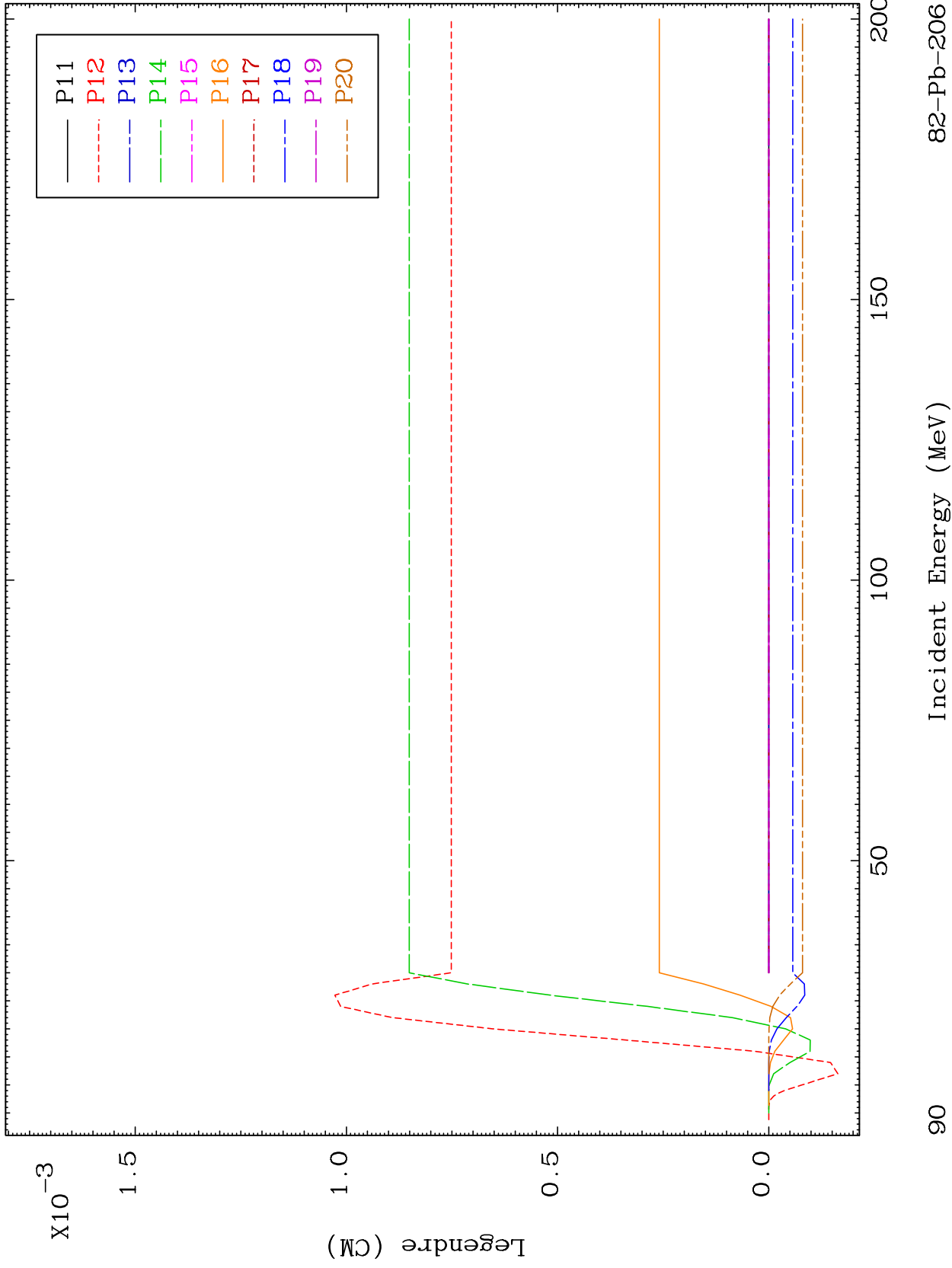




MAT 8231

2.826 MeV (n,n') Level  
Legendre Coefficients

82-Pb-206



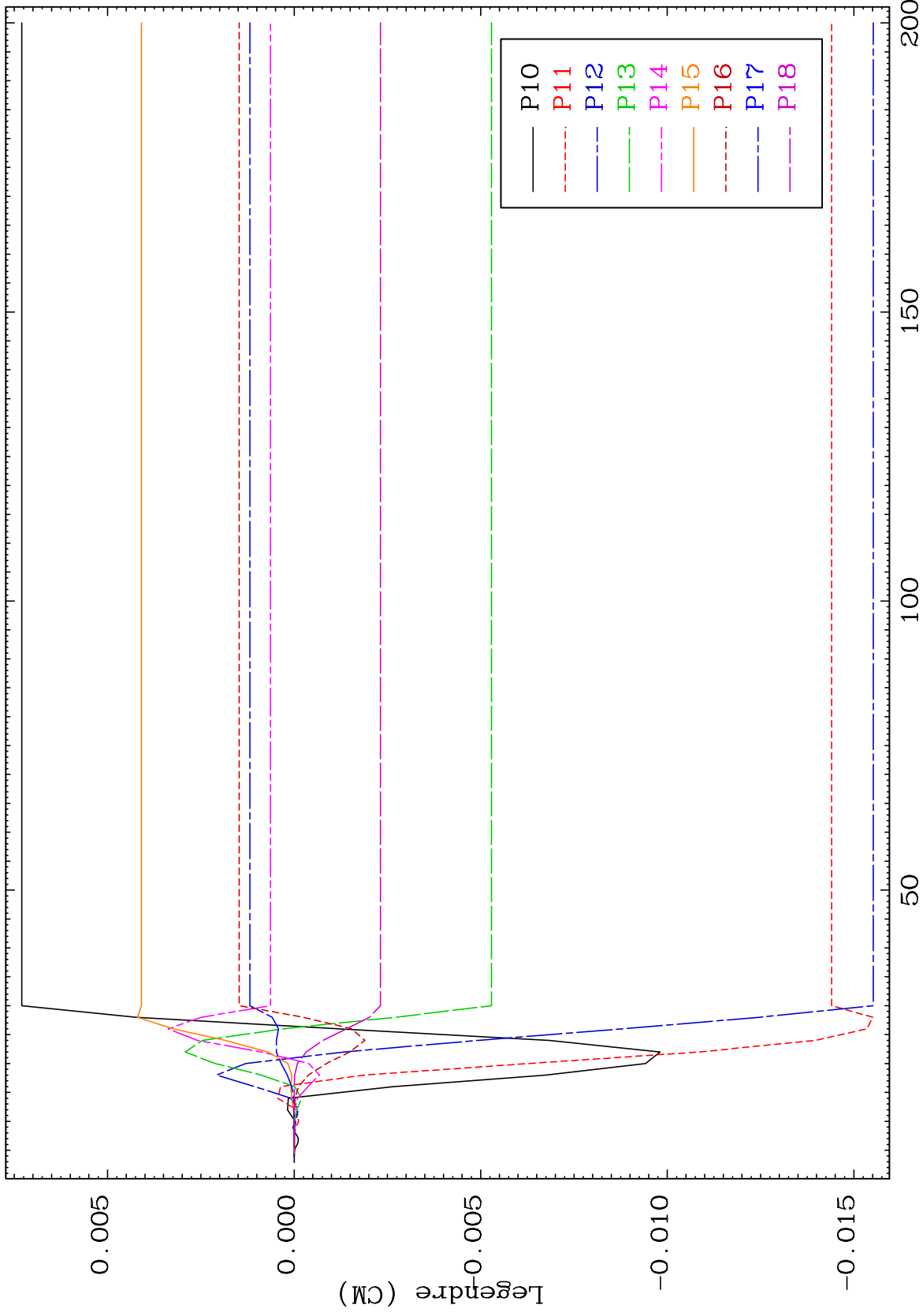
90

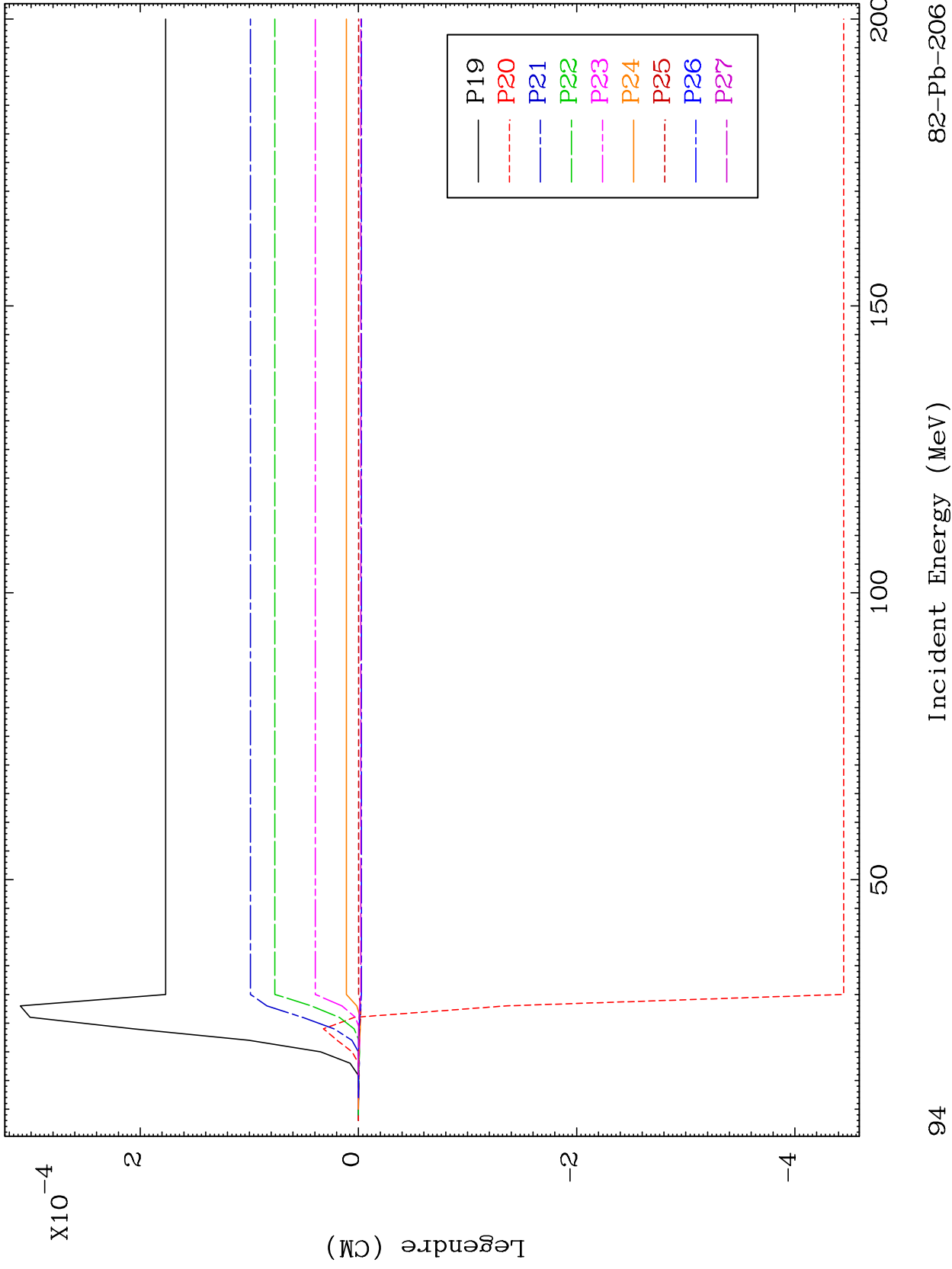
Incident Energy (MeV)

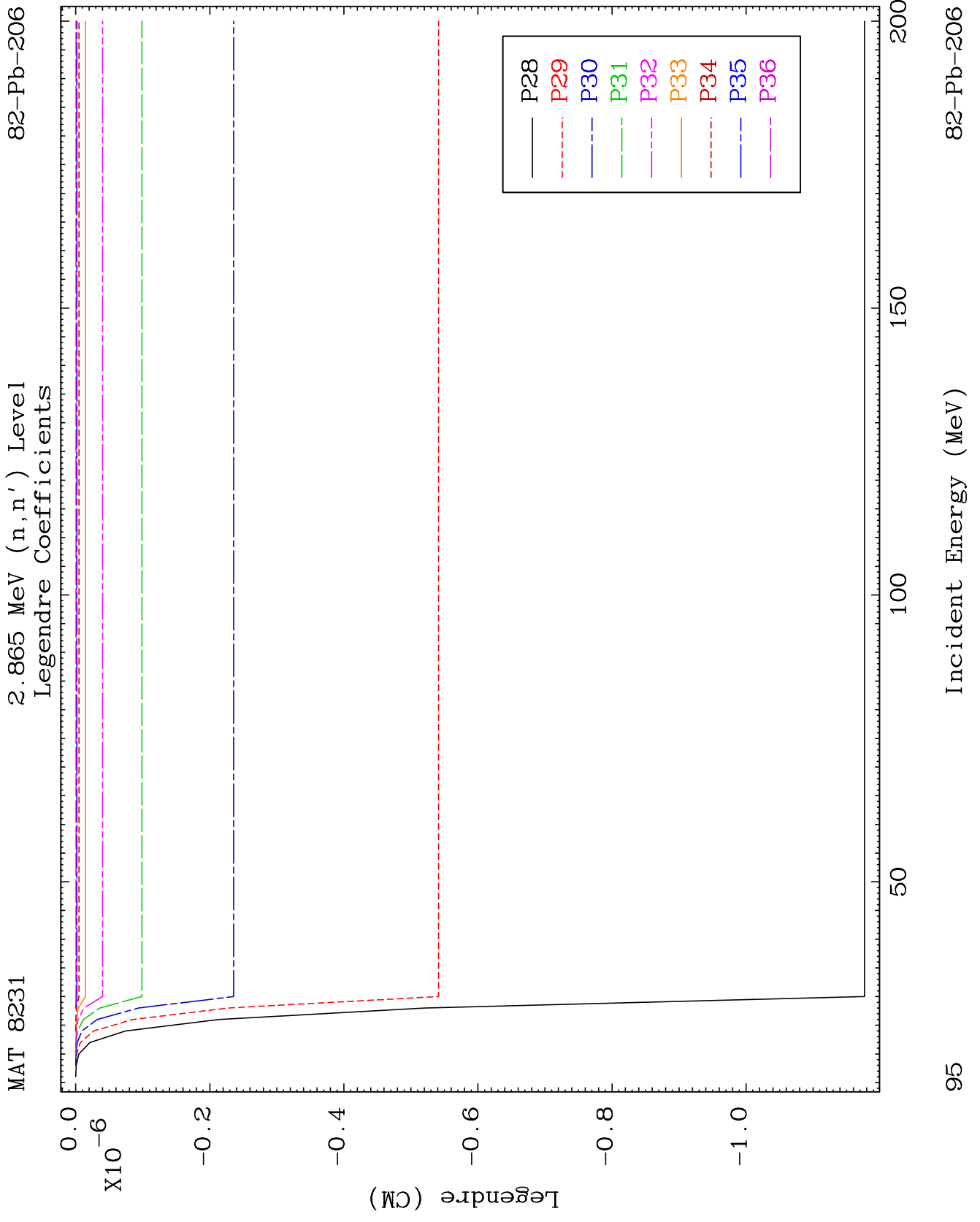
82-Pb-206



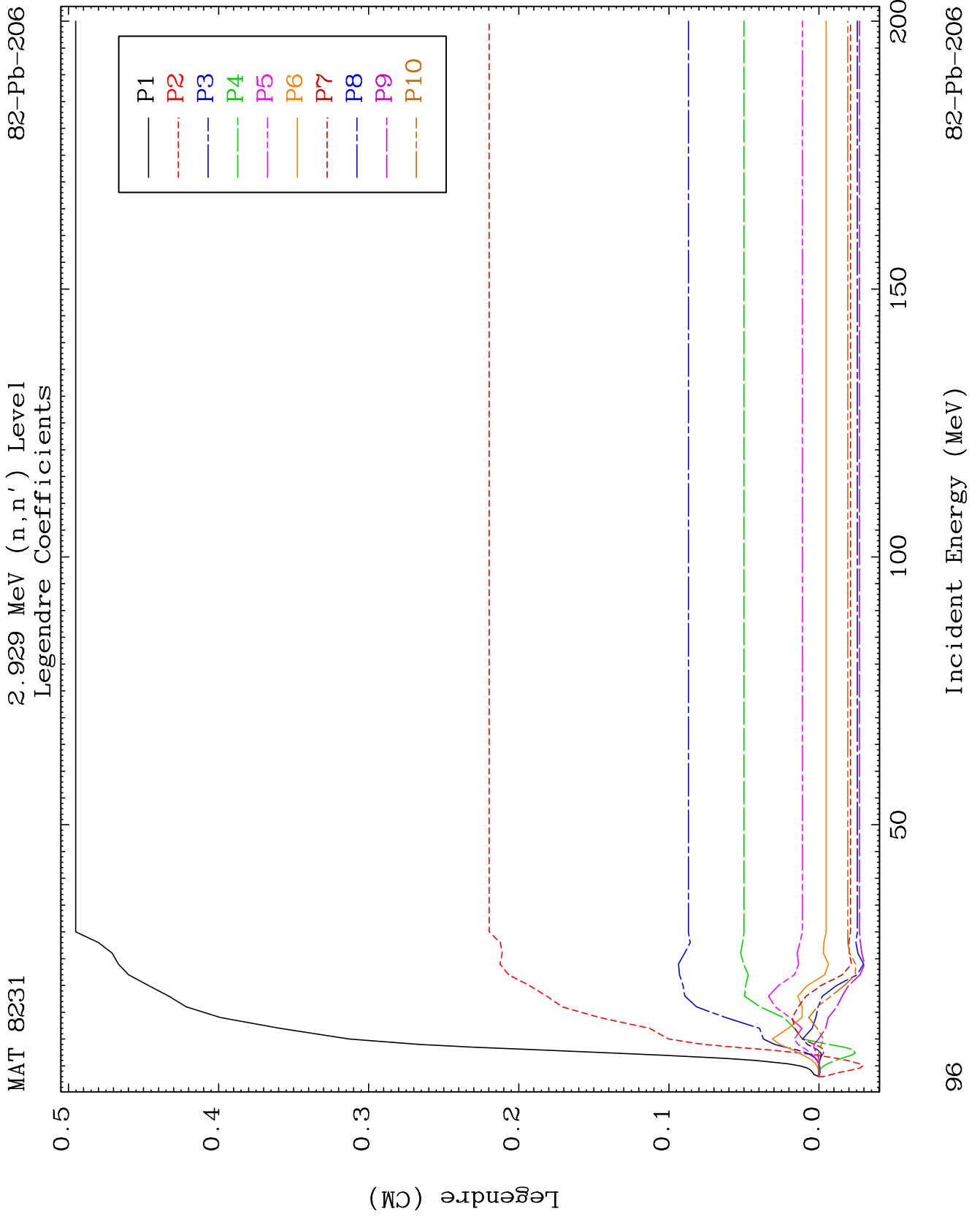








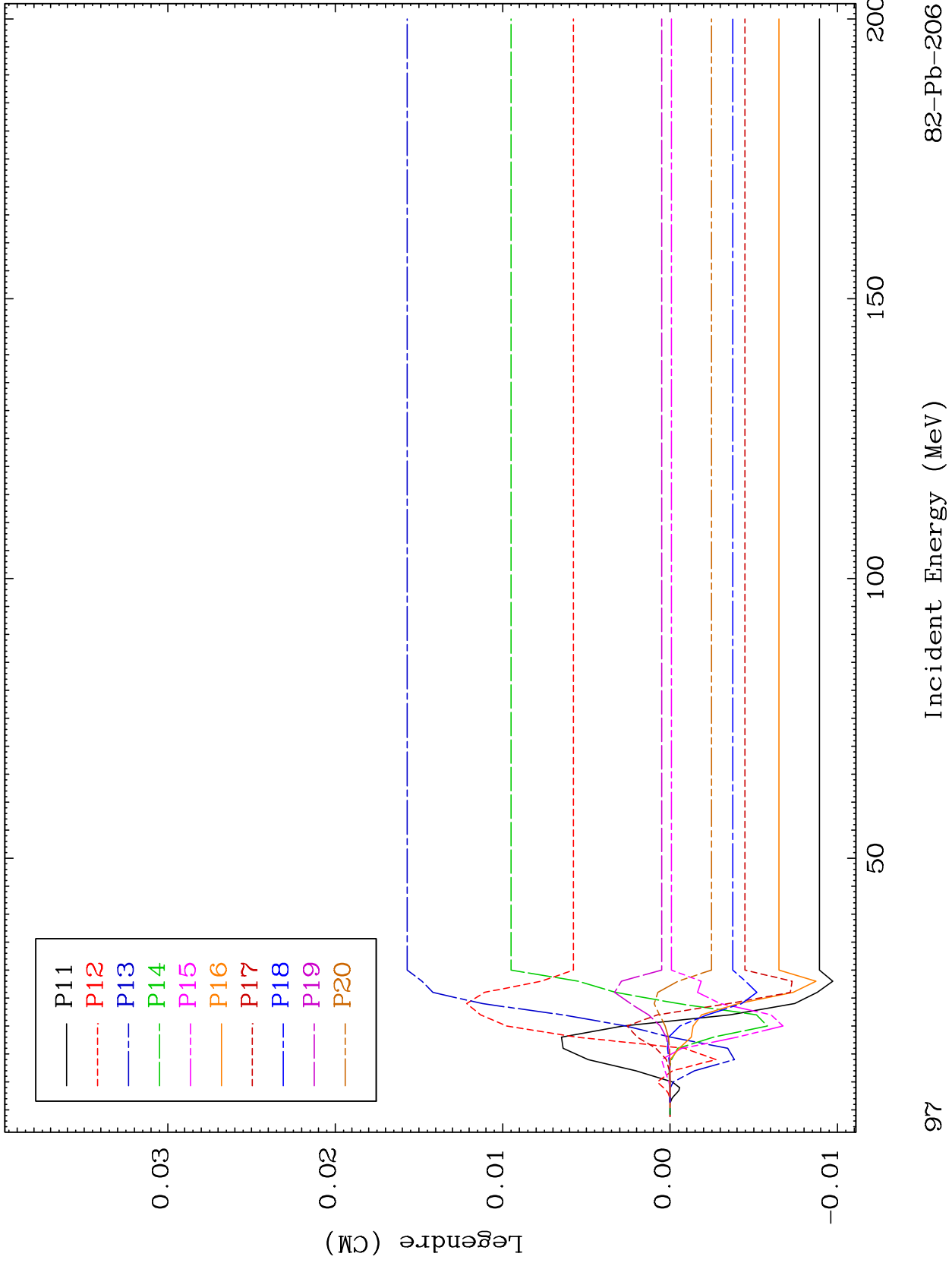




MAT 8231

2.929 MeV (n,n') Level  
Legendre Coefficients

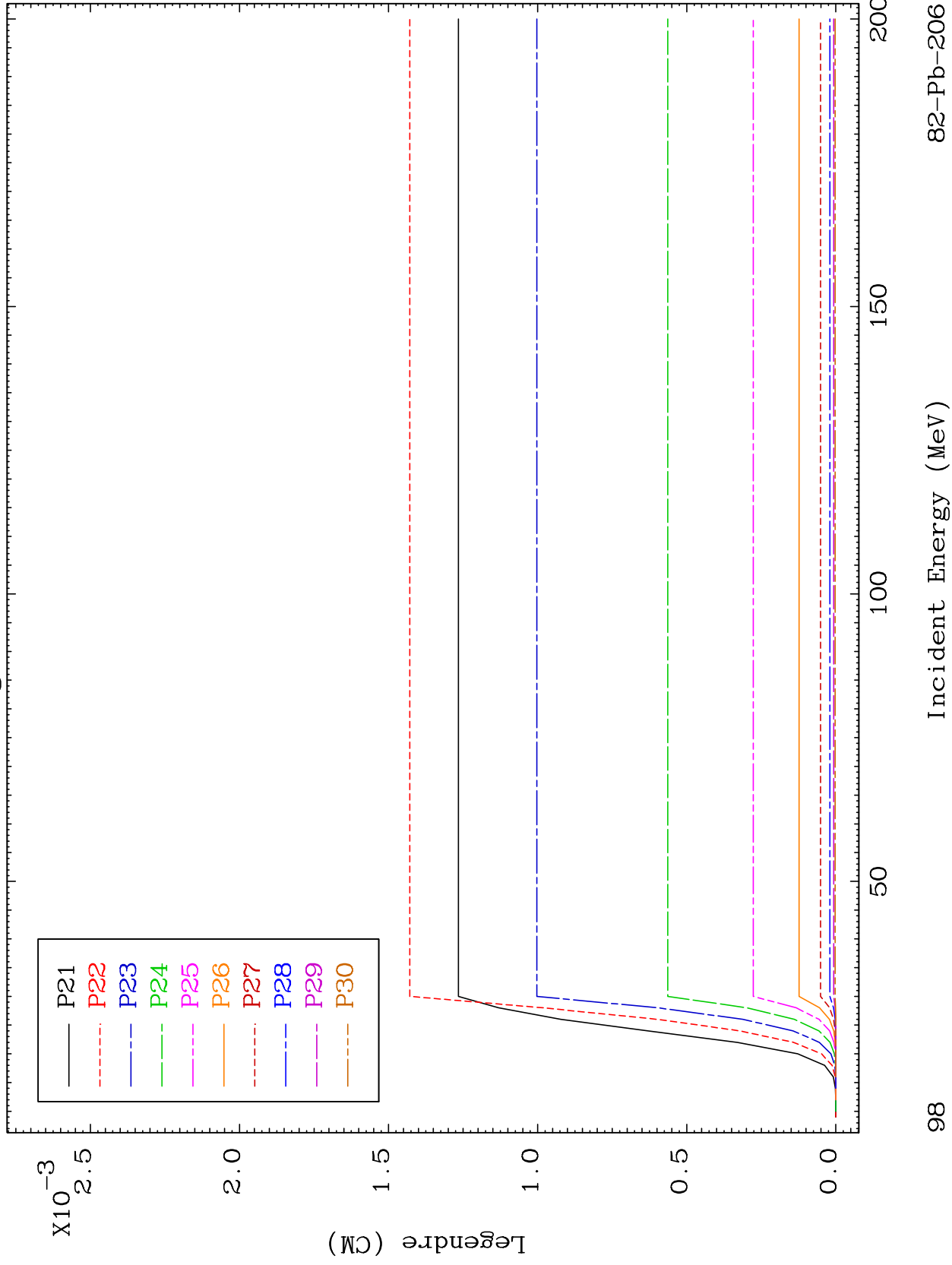
82-Pb-206



MAT 8231

2.929 MeV (n,n') Level  
Legendre Coefficients

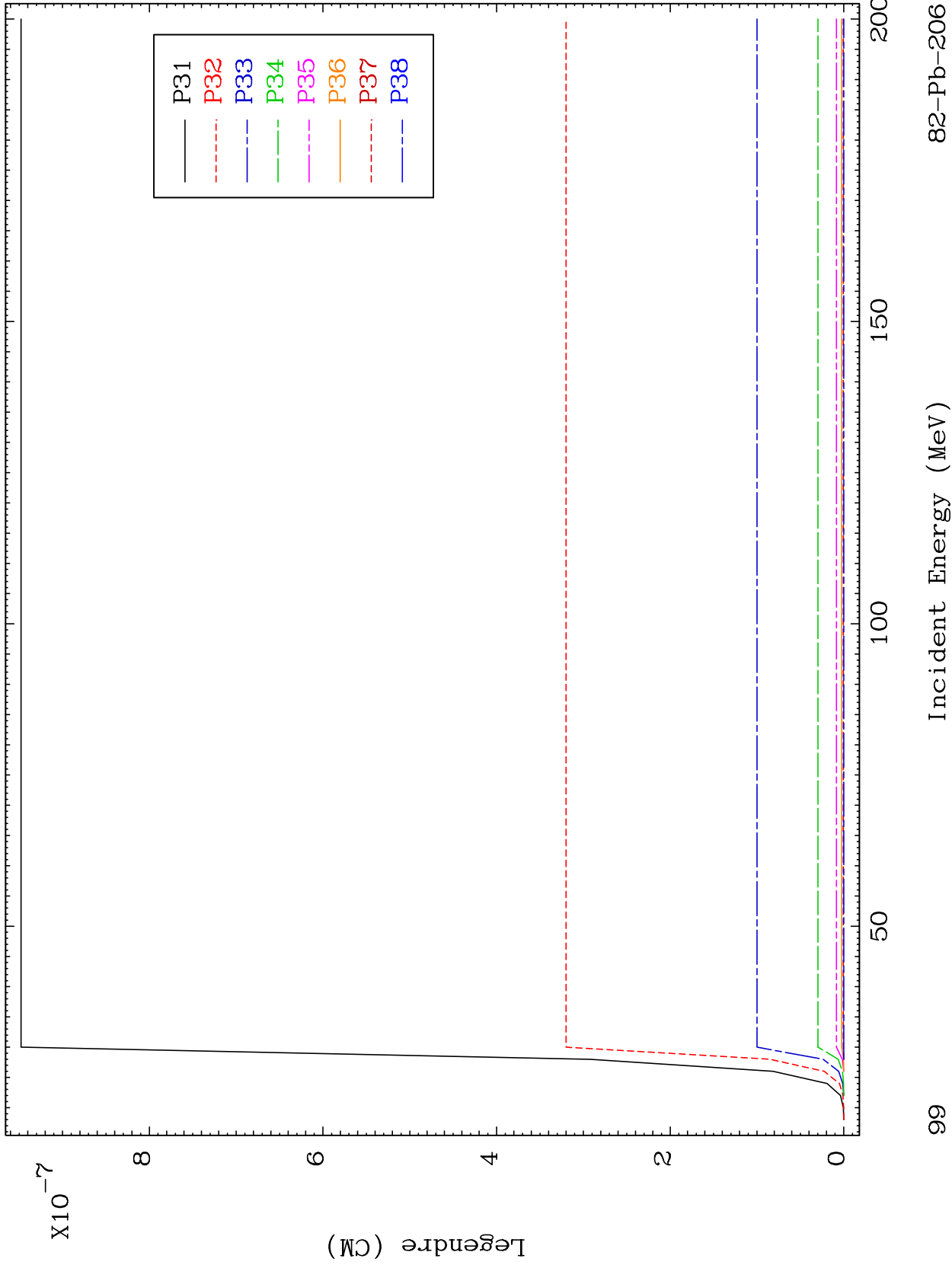
82-Pb-206



MAT 8231

2.929 MeV (n,n') Level  
Legendre Coefficients

82-Pb-206

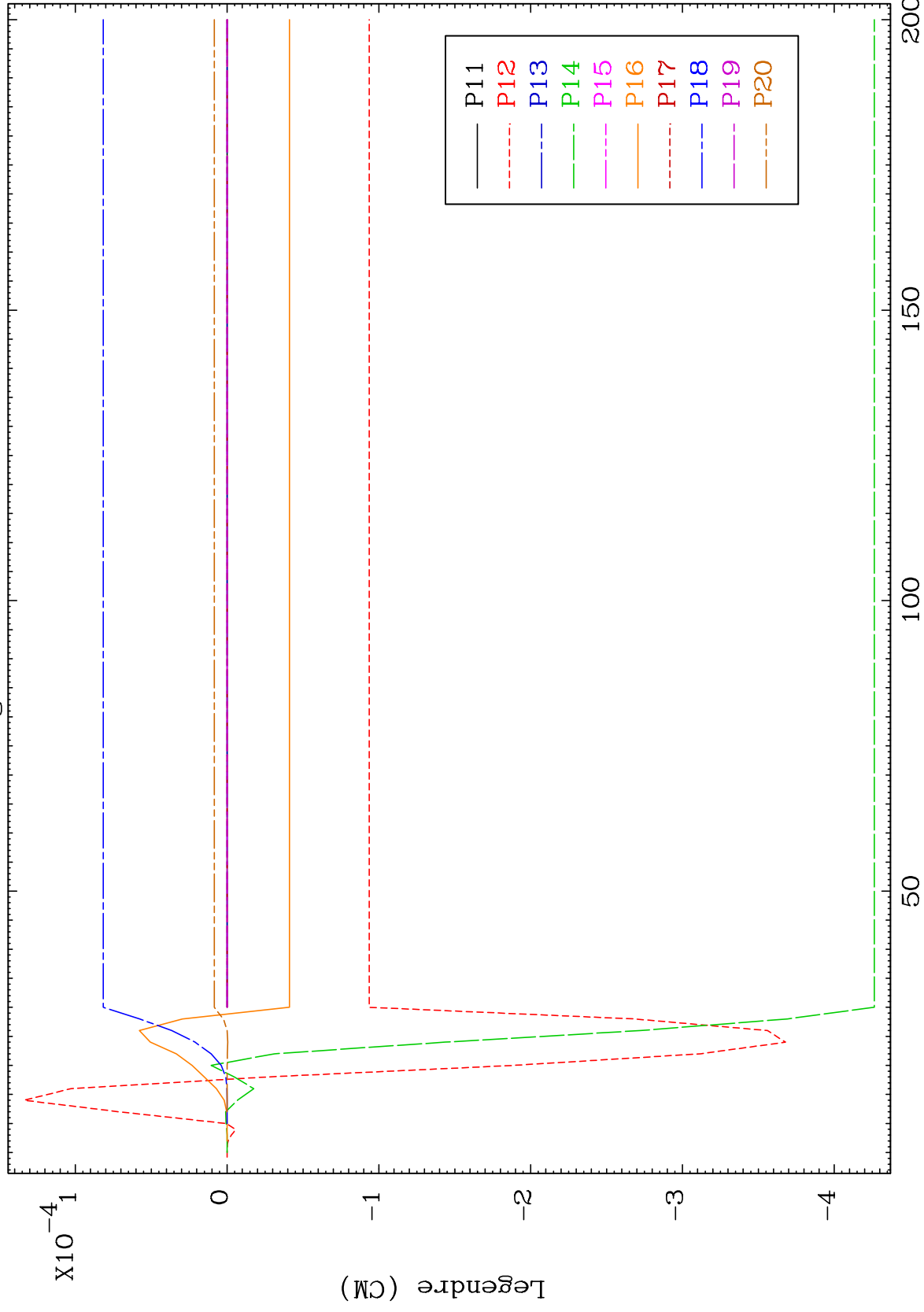




MAT 8231

2.940 MeV (n,n') Level  
Legendre Coefficients

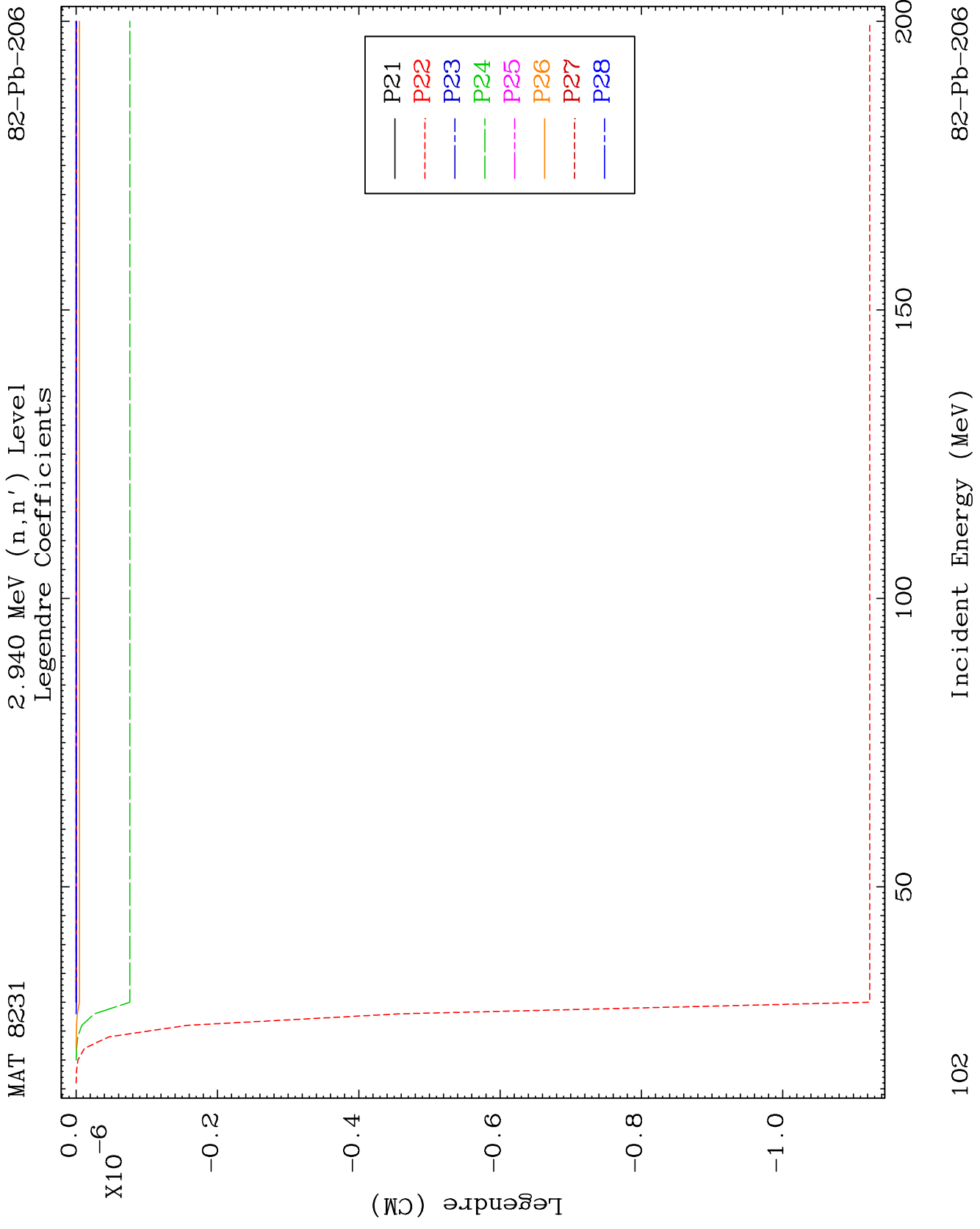
82-Pb-206



101

Incident Energy (MeV)

82-Pb-206



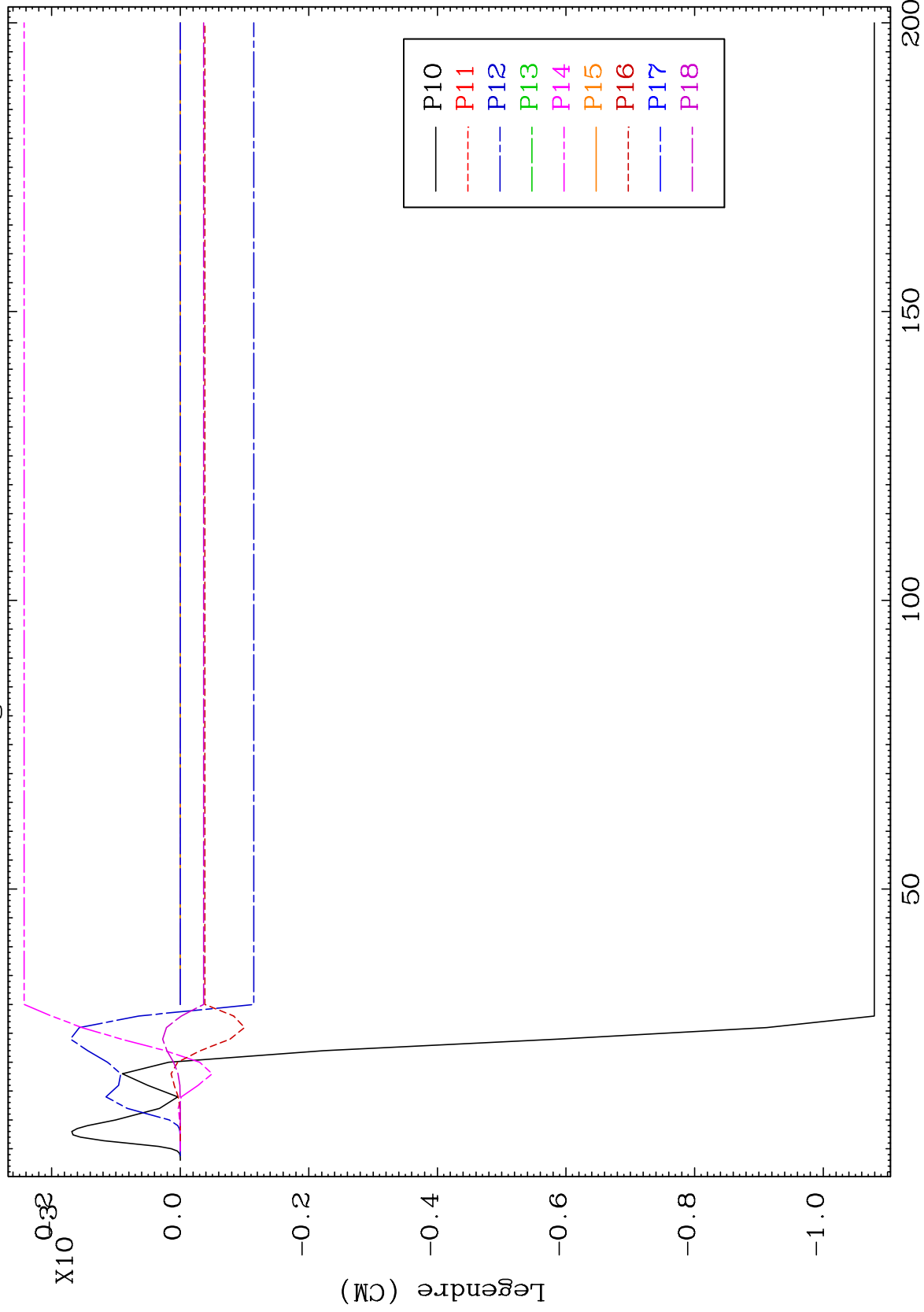




MAT 8231

2.954 MeV (n,n') Level  
Legendre Coefficients

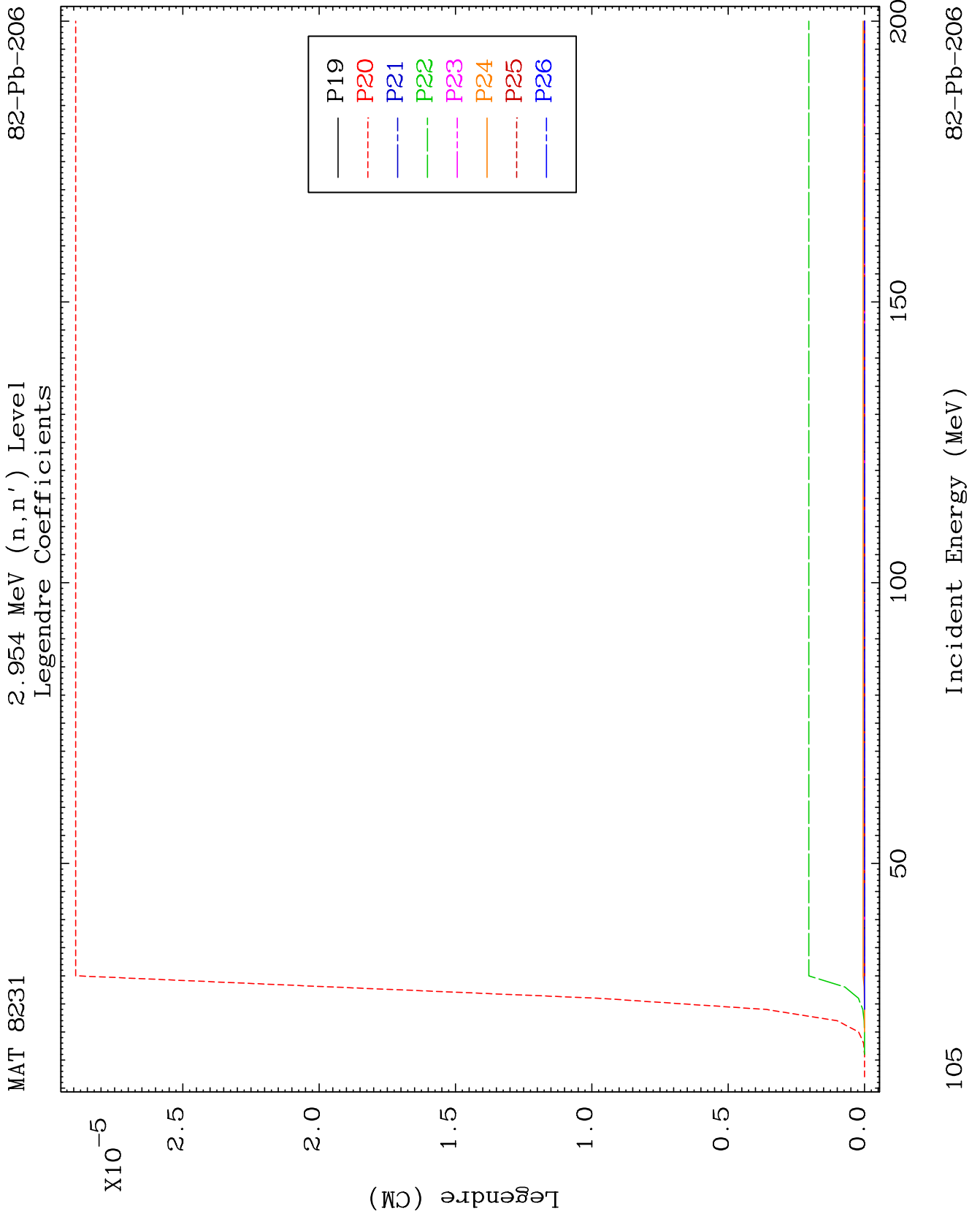
82-Pb-206

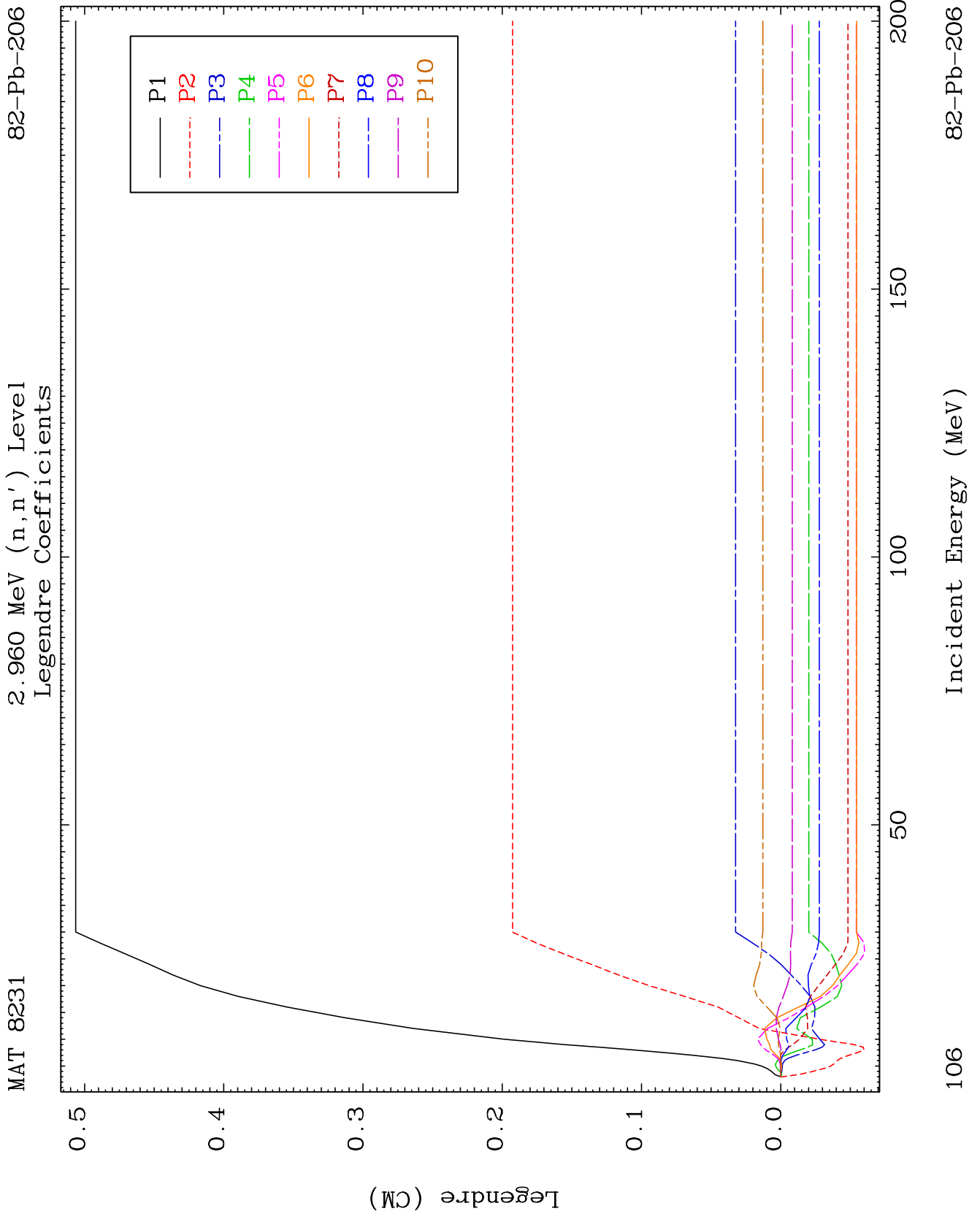


104

Incident Energy (MeV)

82-Pb-206

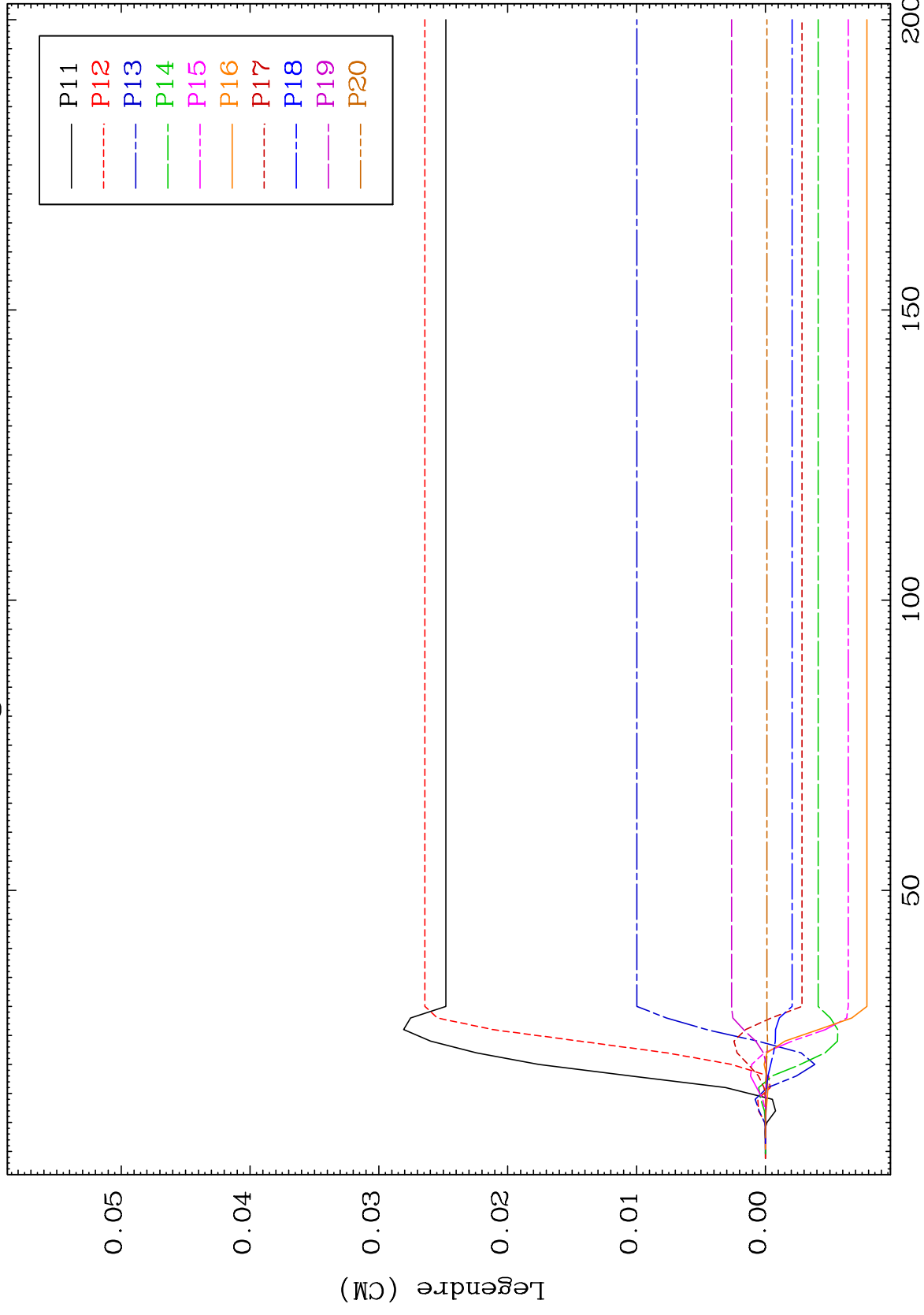




MAT 8231

2.960 MeV (n,n') Level  
Legendre Coefficients

82-Pb-206



107

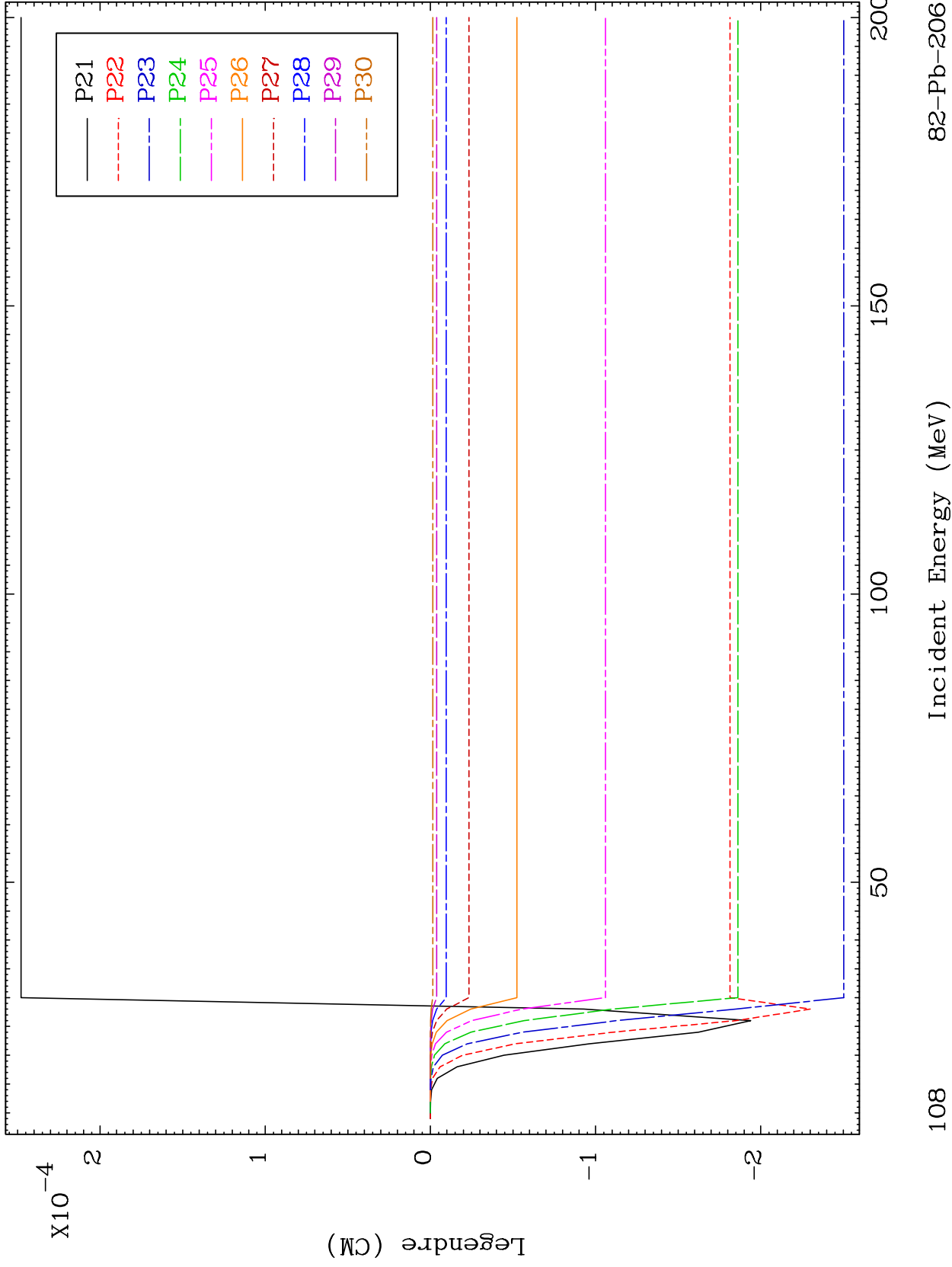
Incident Energy (MeV)

82-Pb-206

MAT 8231

2.960 MeV (n,n') Level  
Legendre Coefficients

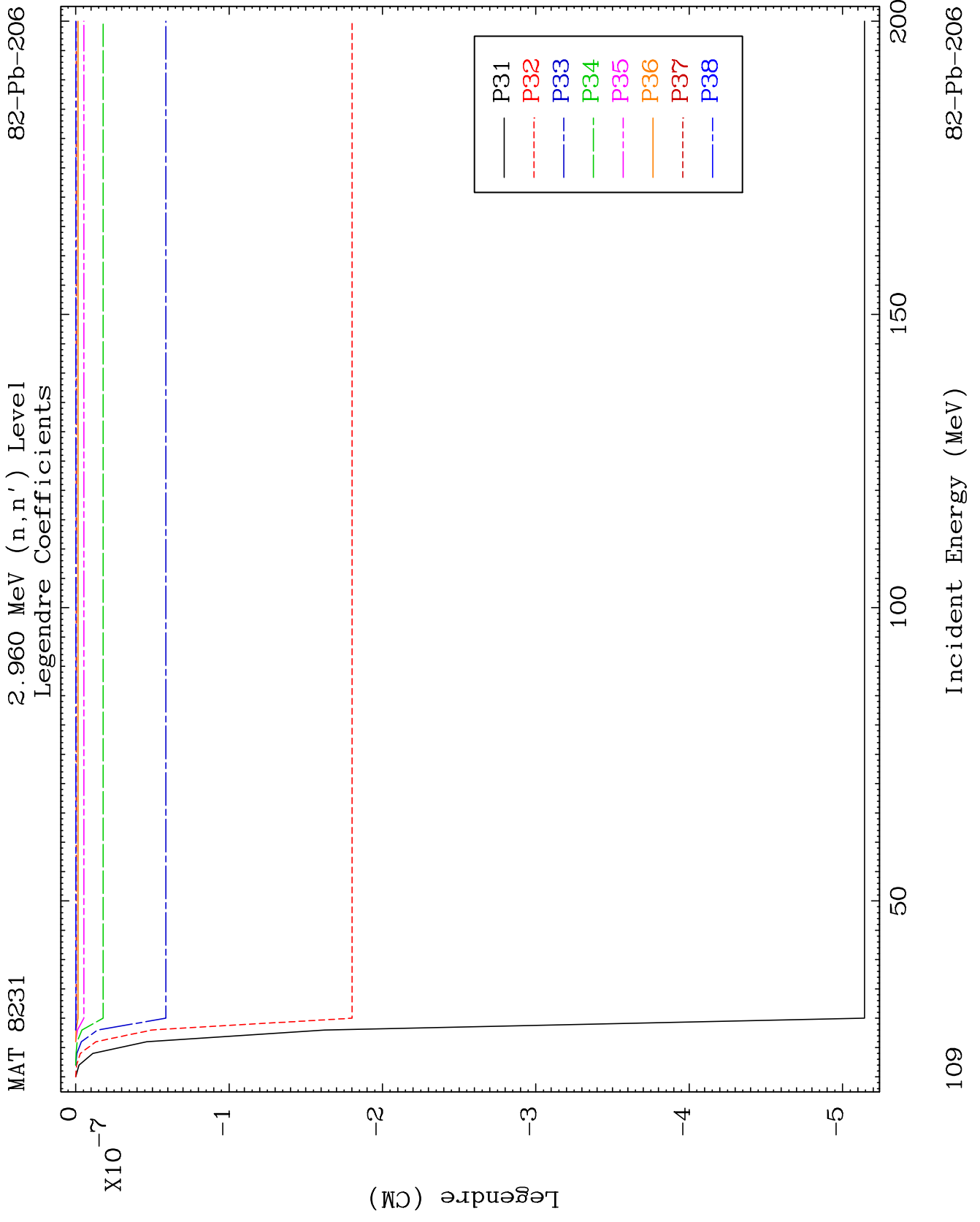
82-Pb-206



108

Incident Energy (MeV)

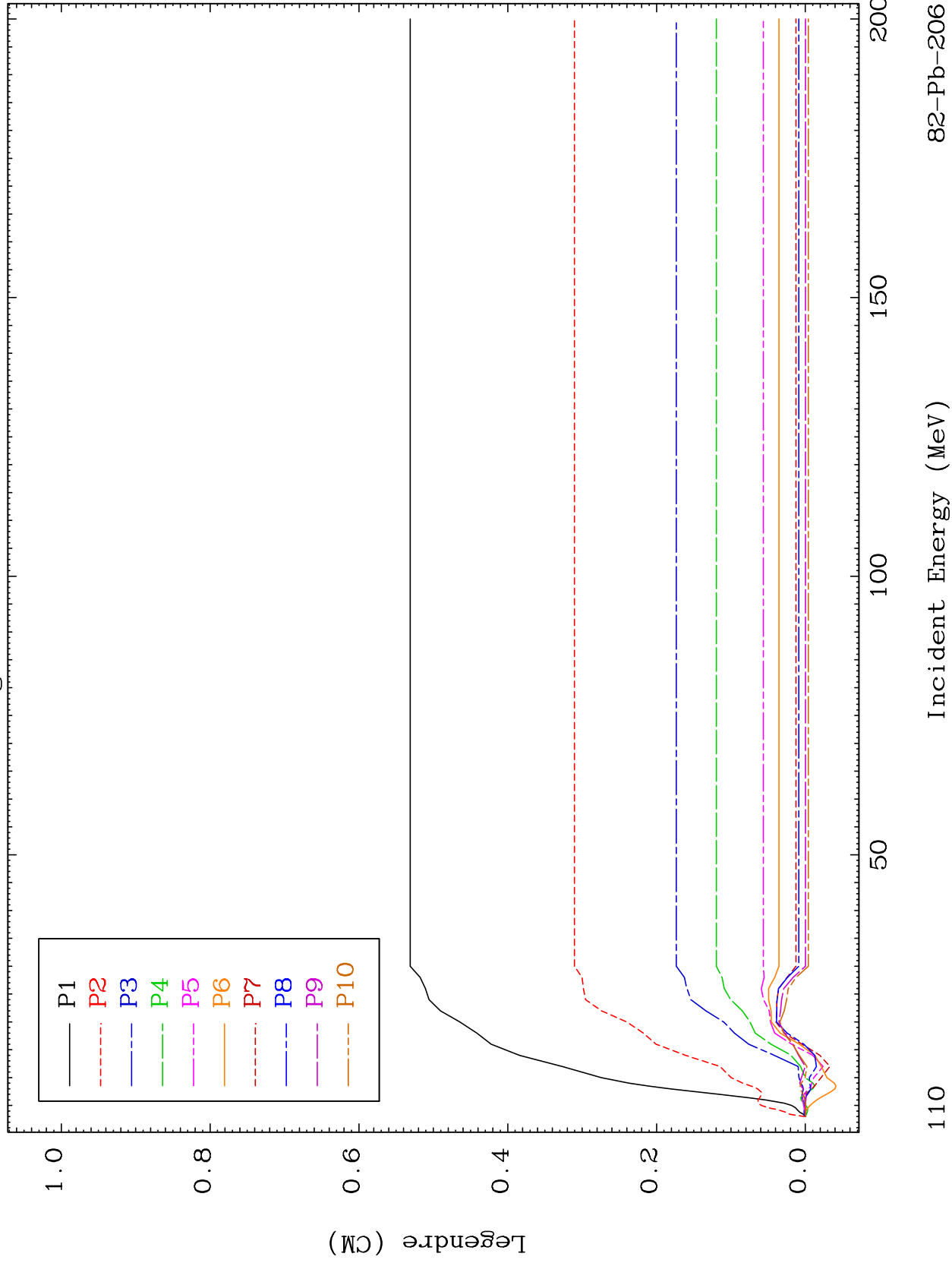
82-Pb-206



MAT 8231

2.984 MeV (n, n') Level  
Legendre Coefficients

82-Pb-206



82-Pb-206

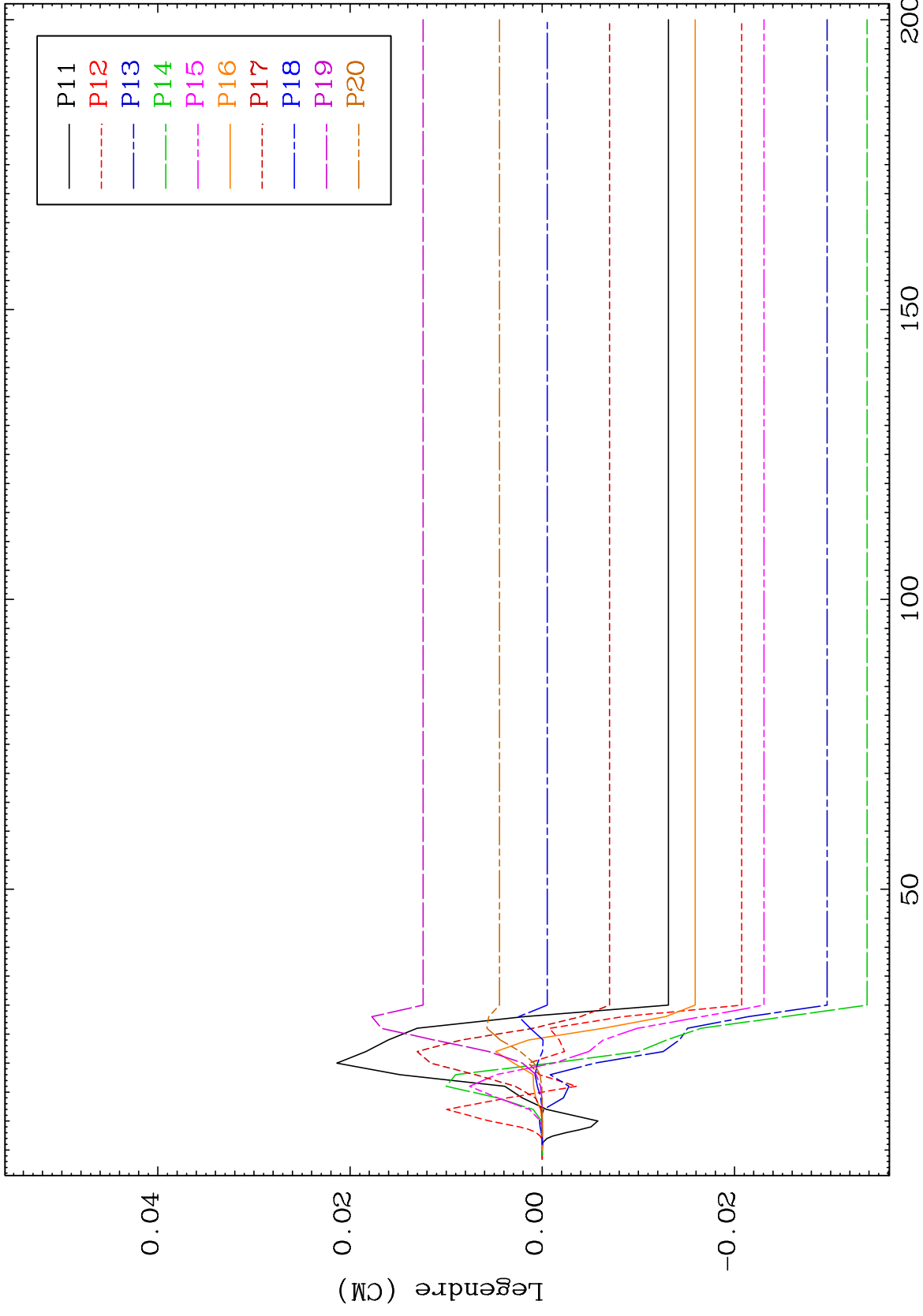
Incident Energy (MeV)

110

MAT 8231

2.984 MeV (n, n') Level  
Legendre Coefficients

82-Pb-206



111

Incident Energy (MeV)

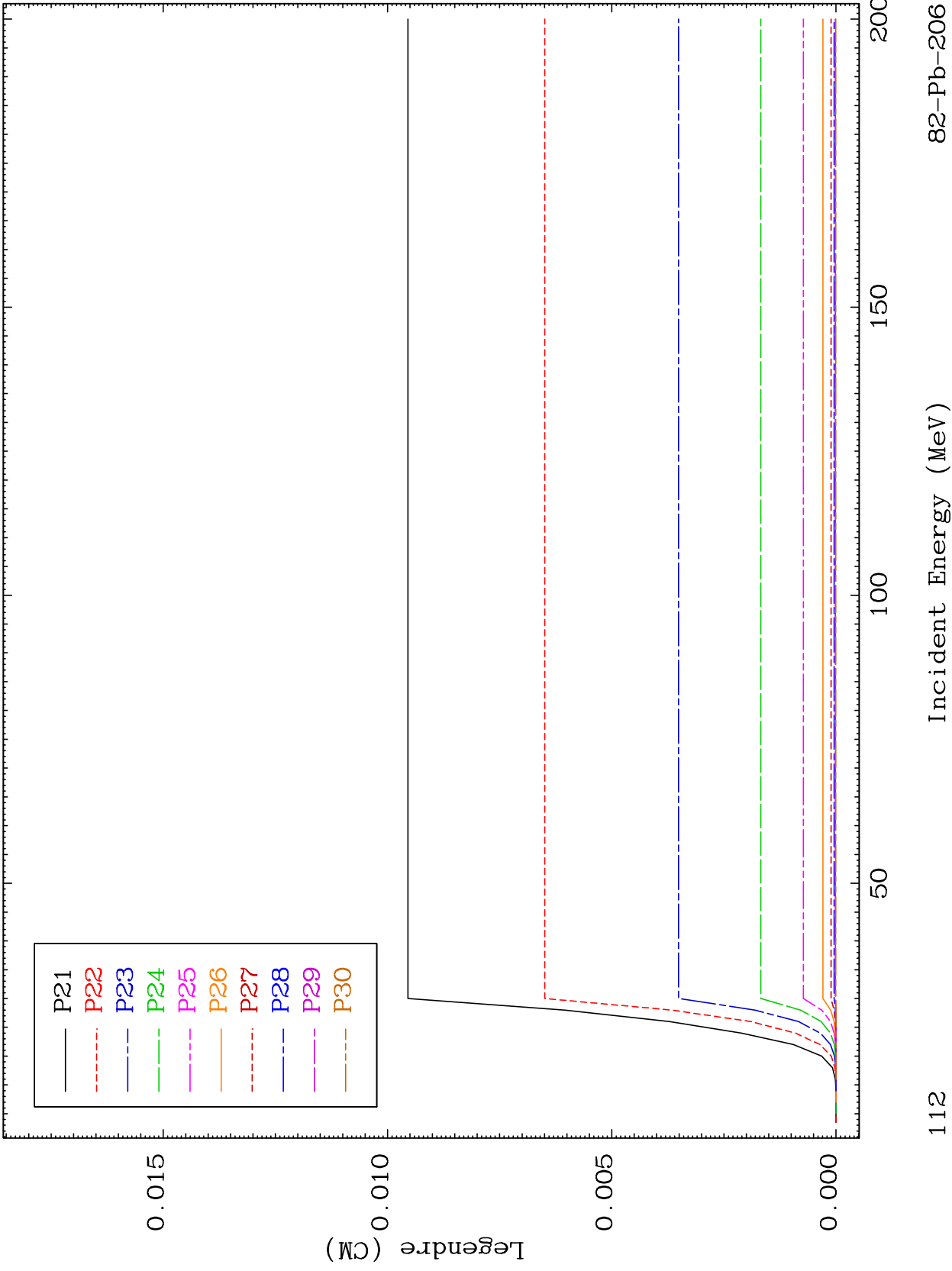
82-Pb-206



MAT 8231

2.984 MeV (n,n') Level  
Legendre Coefficients

82-Pb-206



112

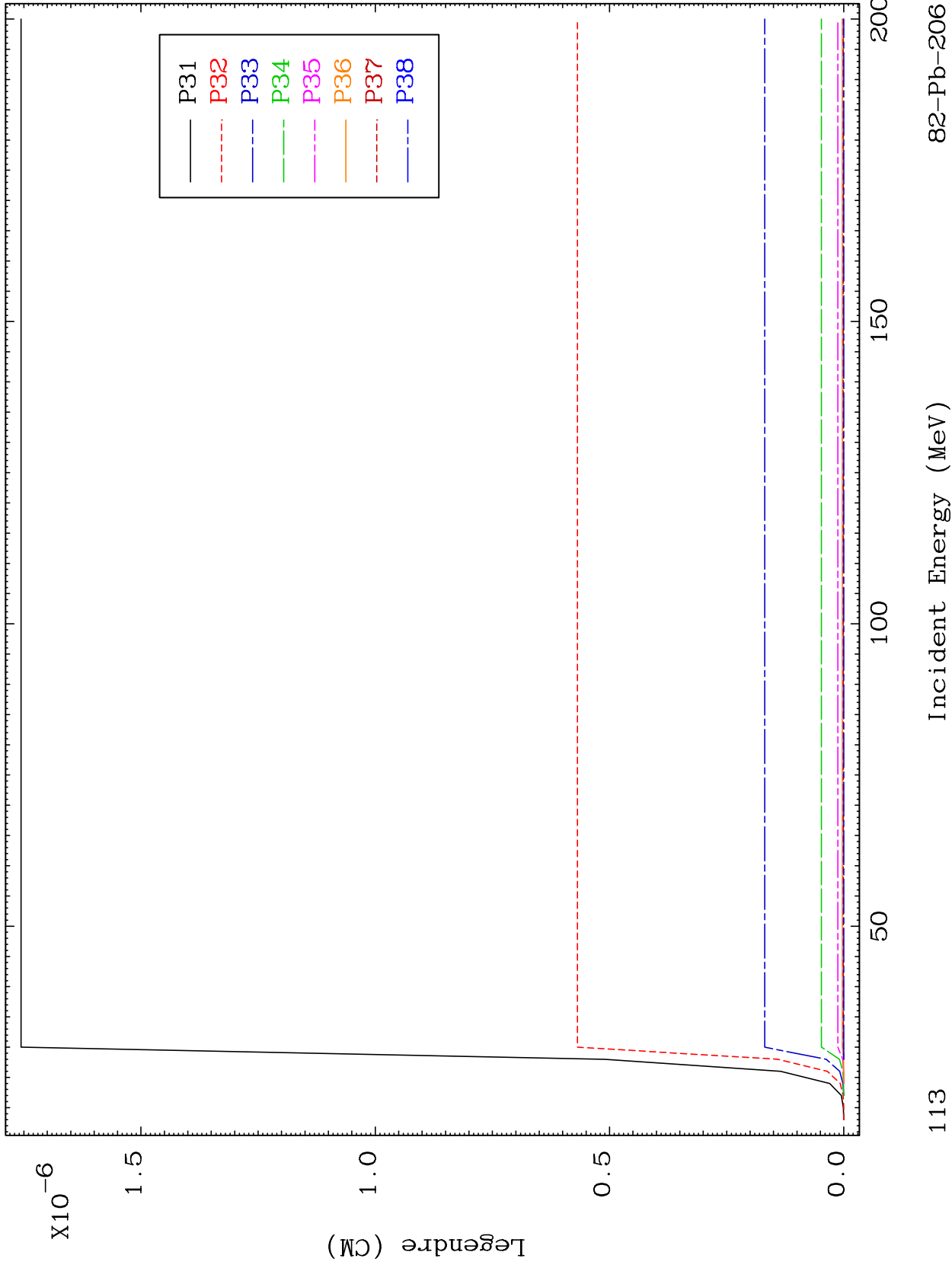
Incident Energy (MeV)

82-Pb-206

MAT 8231

2.984 MeV (n,n') Level  
Legendre Coefficients

82-Pb-206

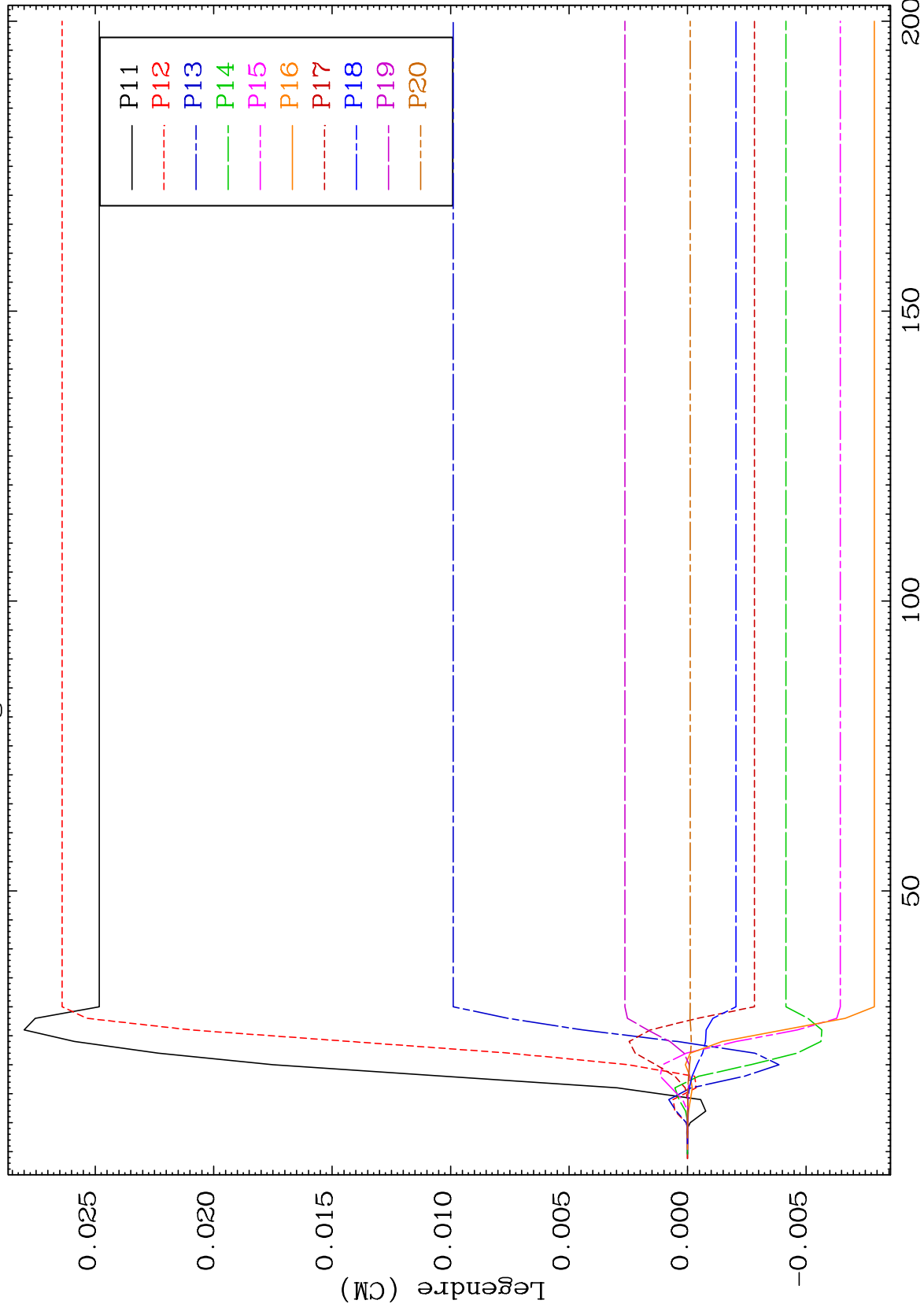




MAT 8231

3.016 MeV (n,n') Level  
Legendre Coefficients

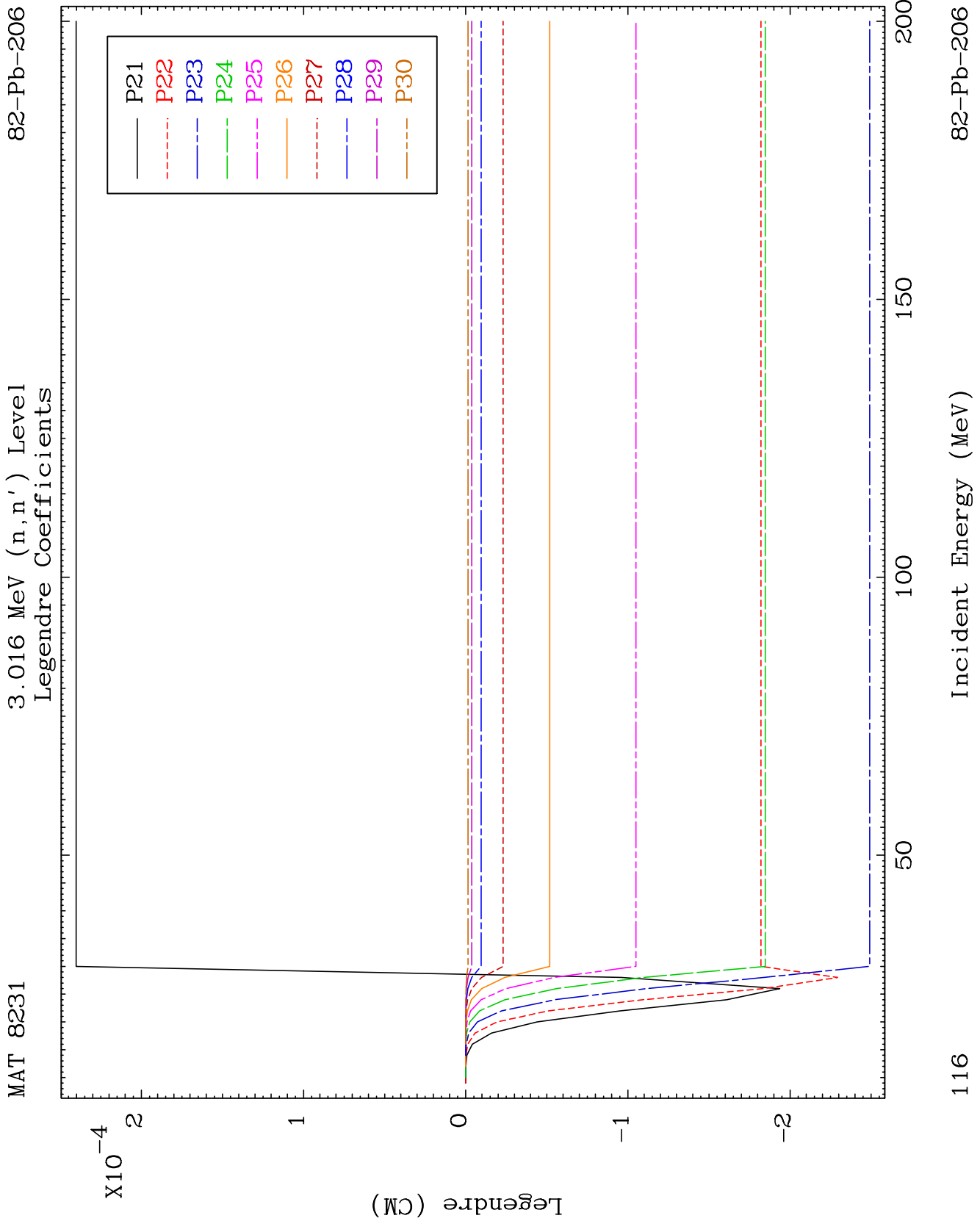
82-Pb-206



115

Incident Energy (MeV)

82-Pb-206

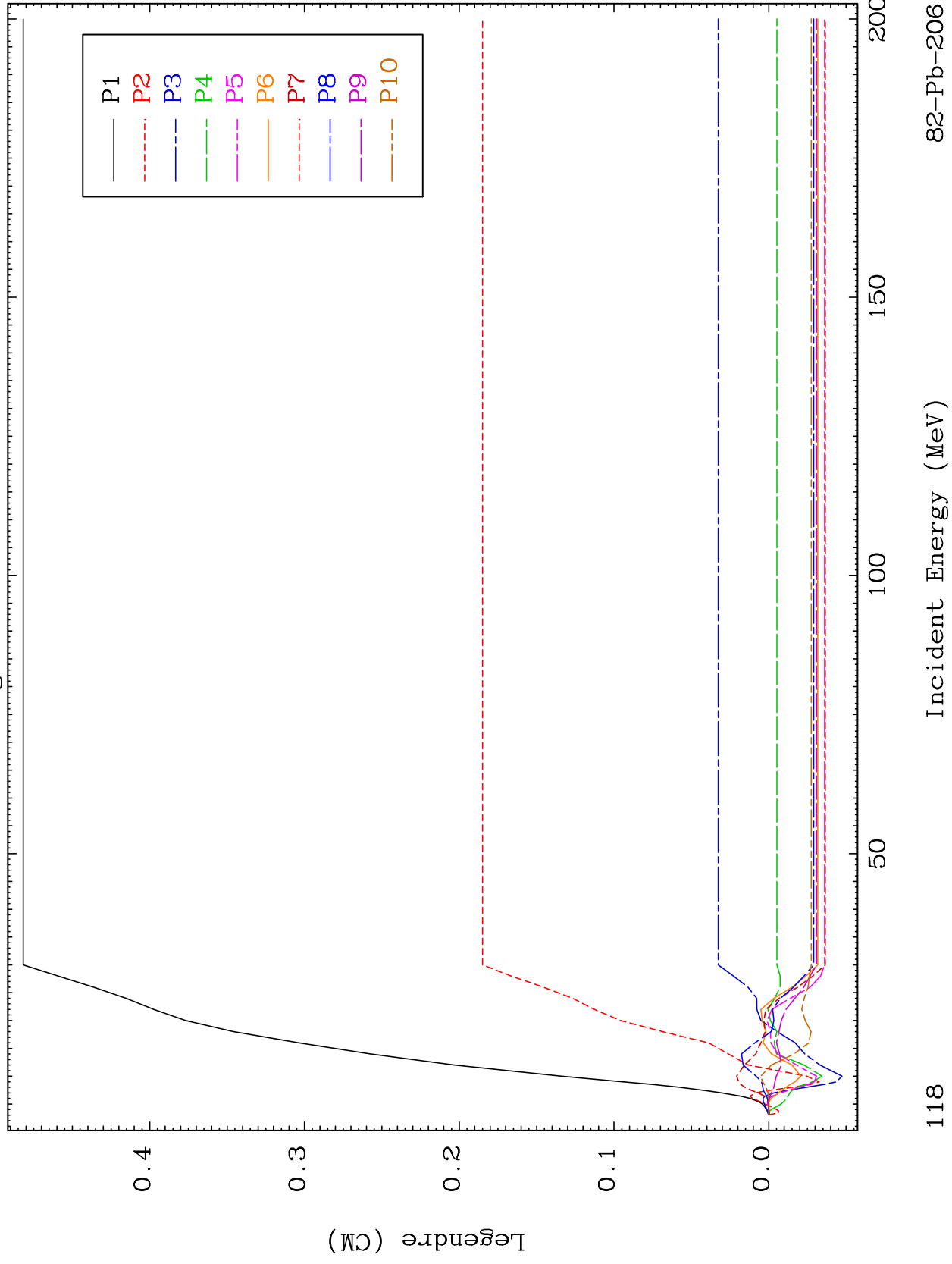




MAT 8231

3.033 MeV (n,n') Level  
Legendre Coefficients

82-Pb-206



118

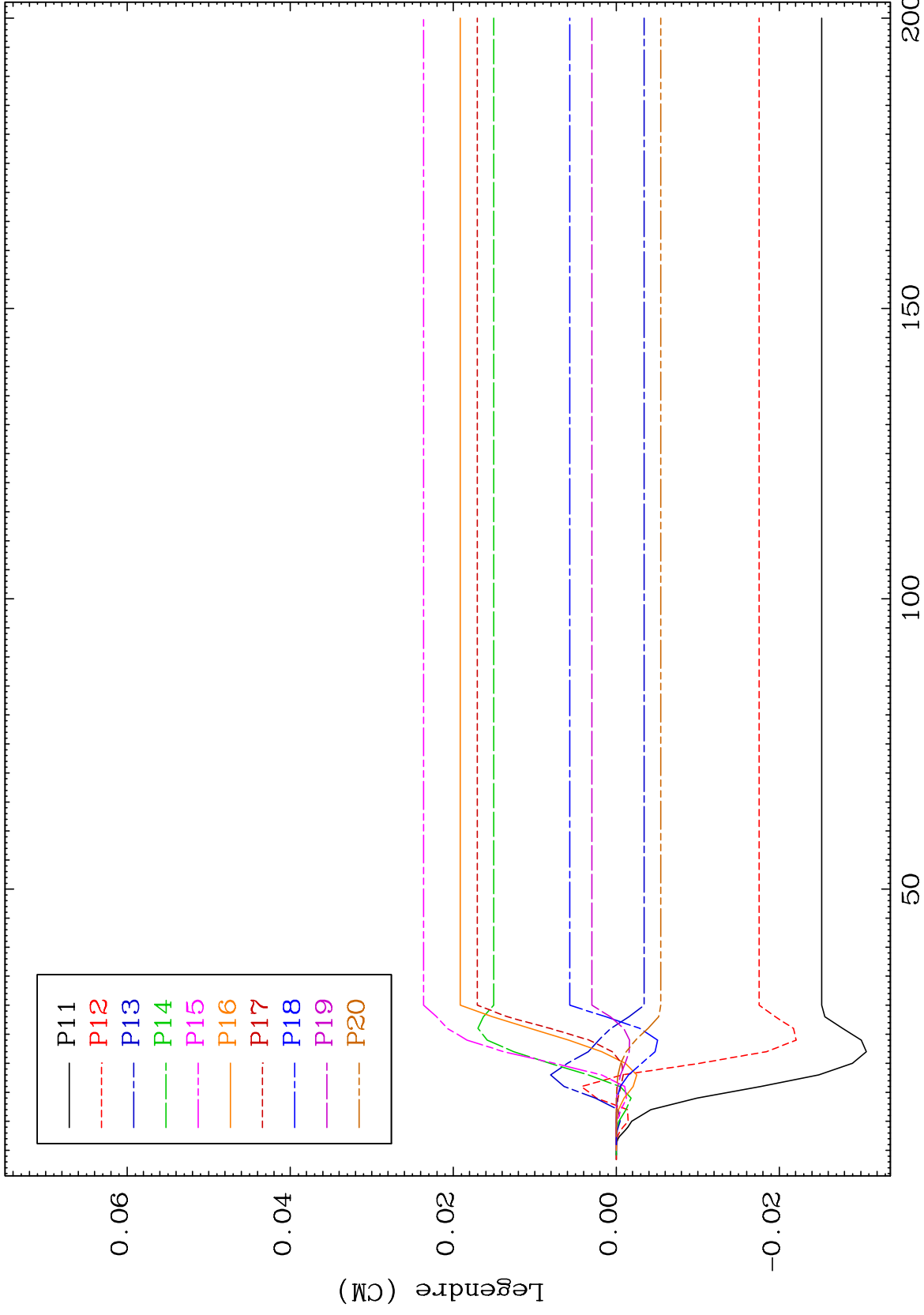
Incident Energy (MeV)

82-Pb-206

MAT 8231

3.033 MeV (n,n') Level  
Legendre Coefficients

82-Pb-206

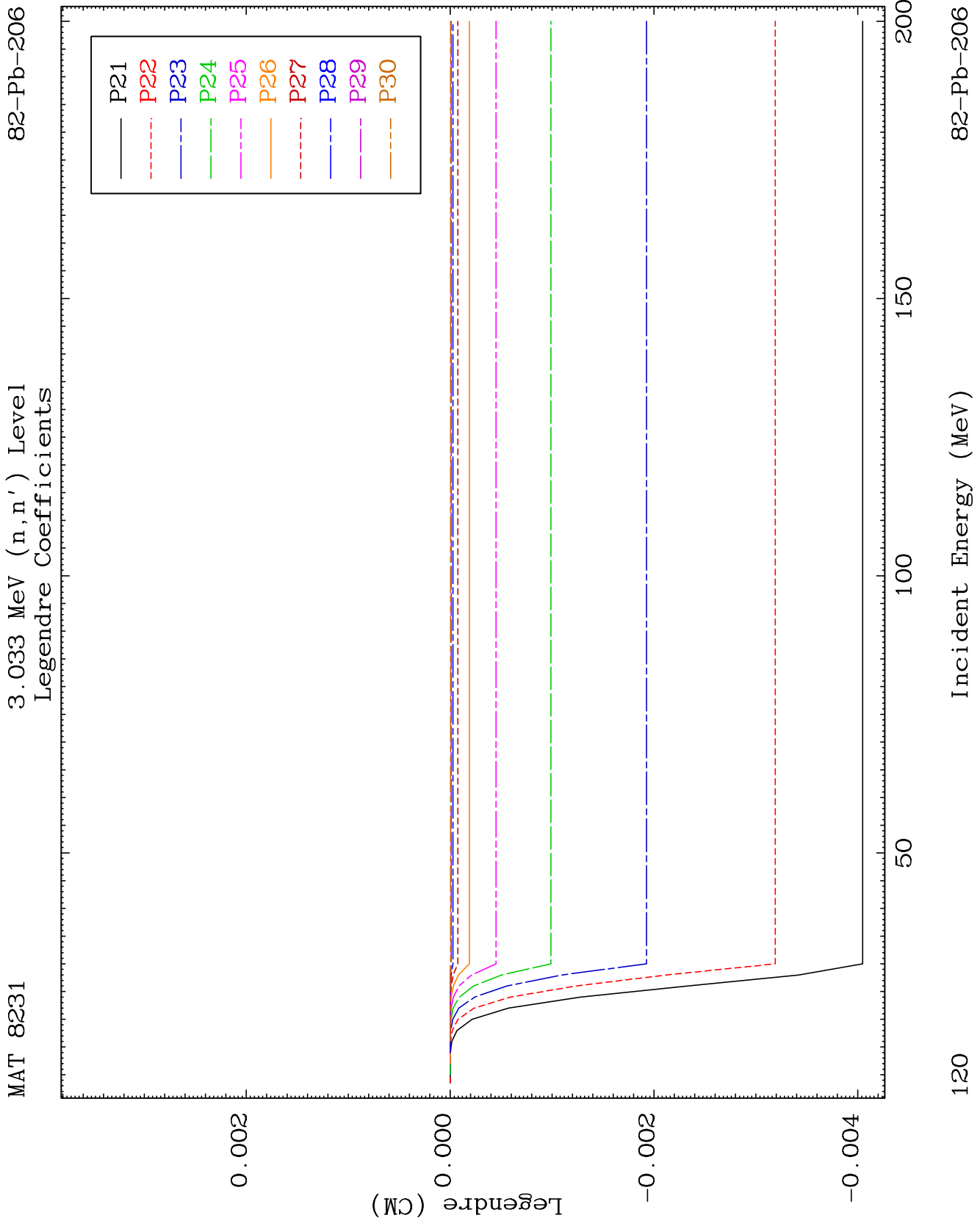


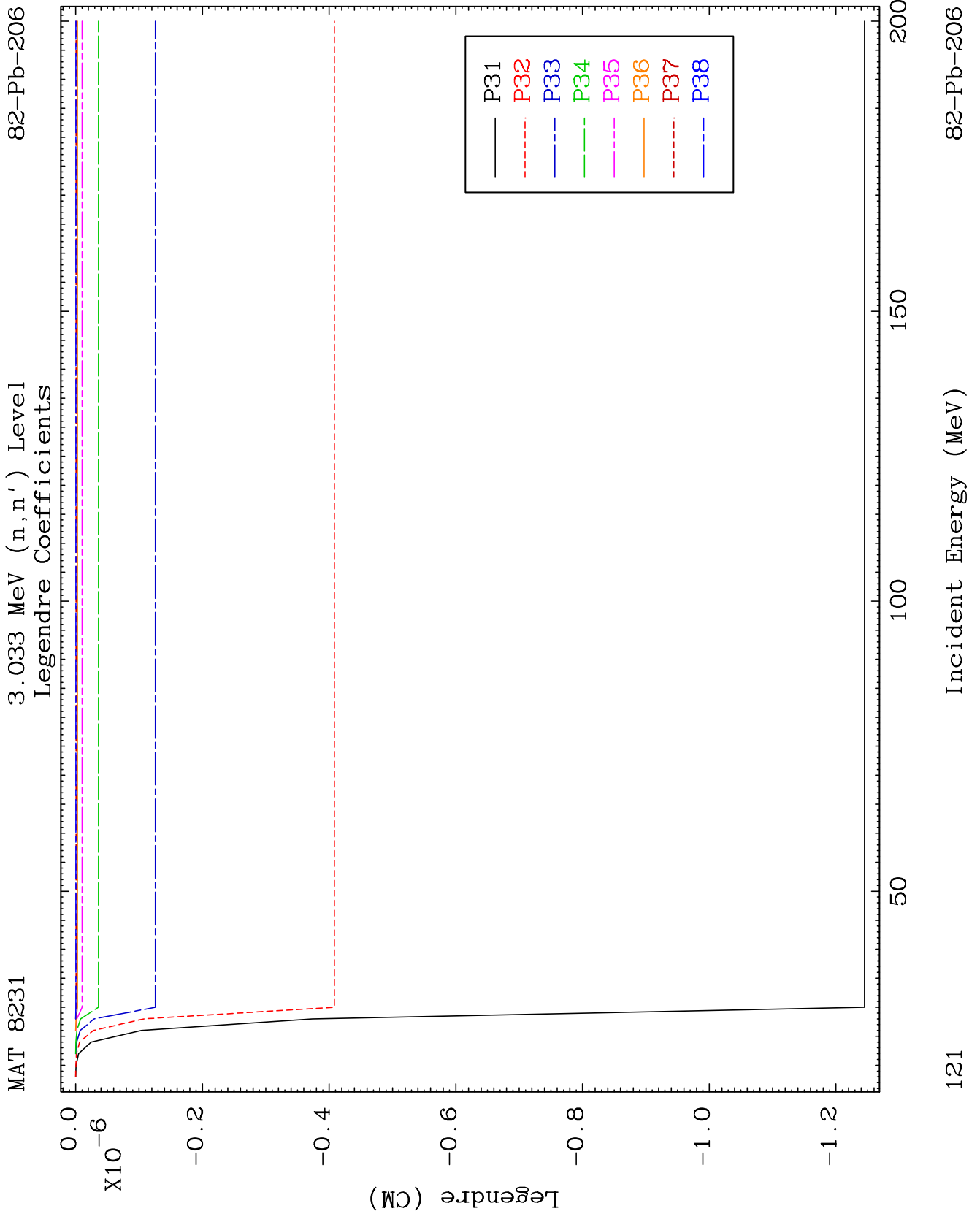
119

Incident Energy (MeV)

82-Pb-206





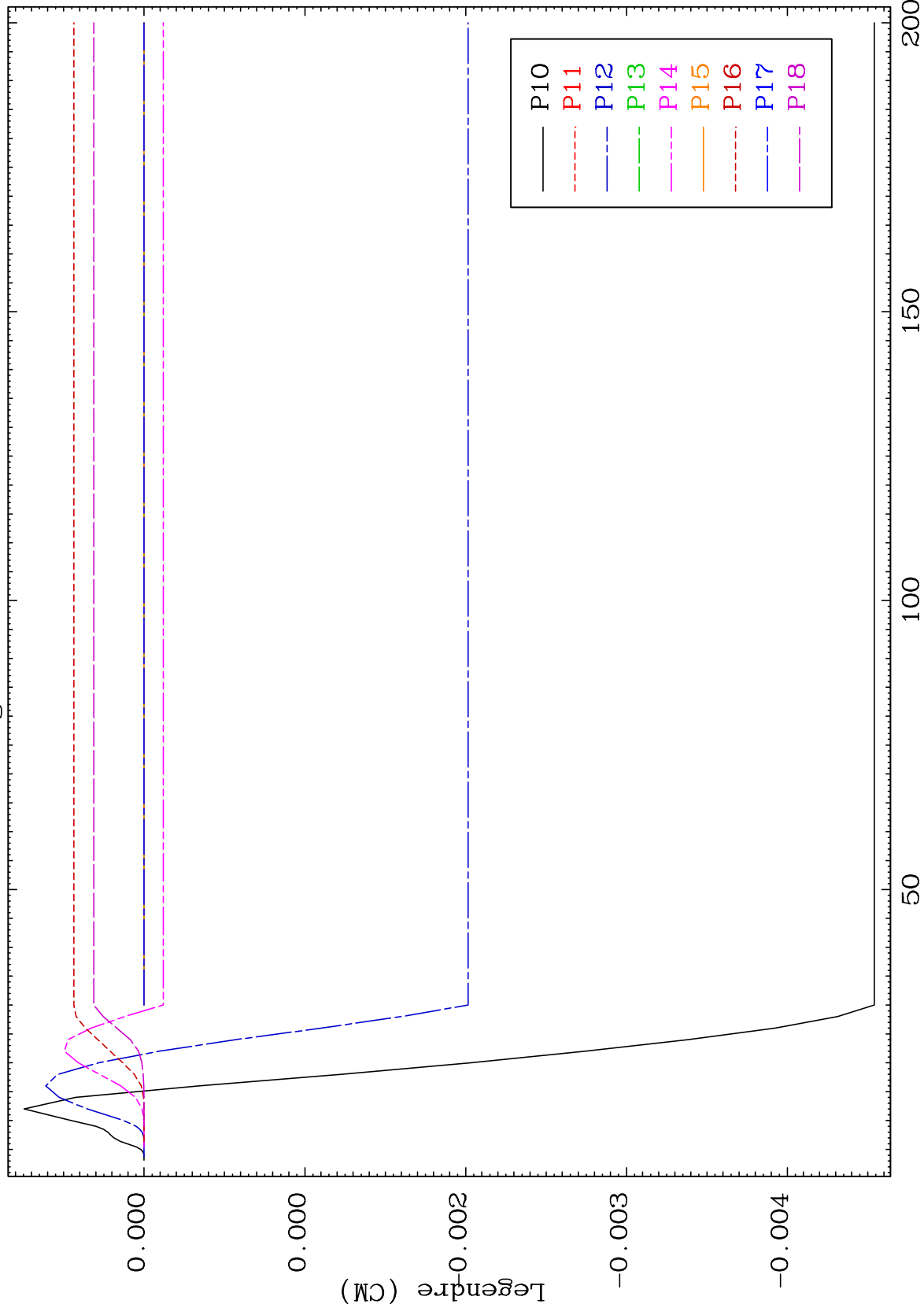




MAT 8231

3.122 MeV (n,n') Level  
Legendre Coefficients

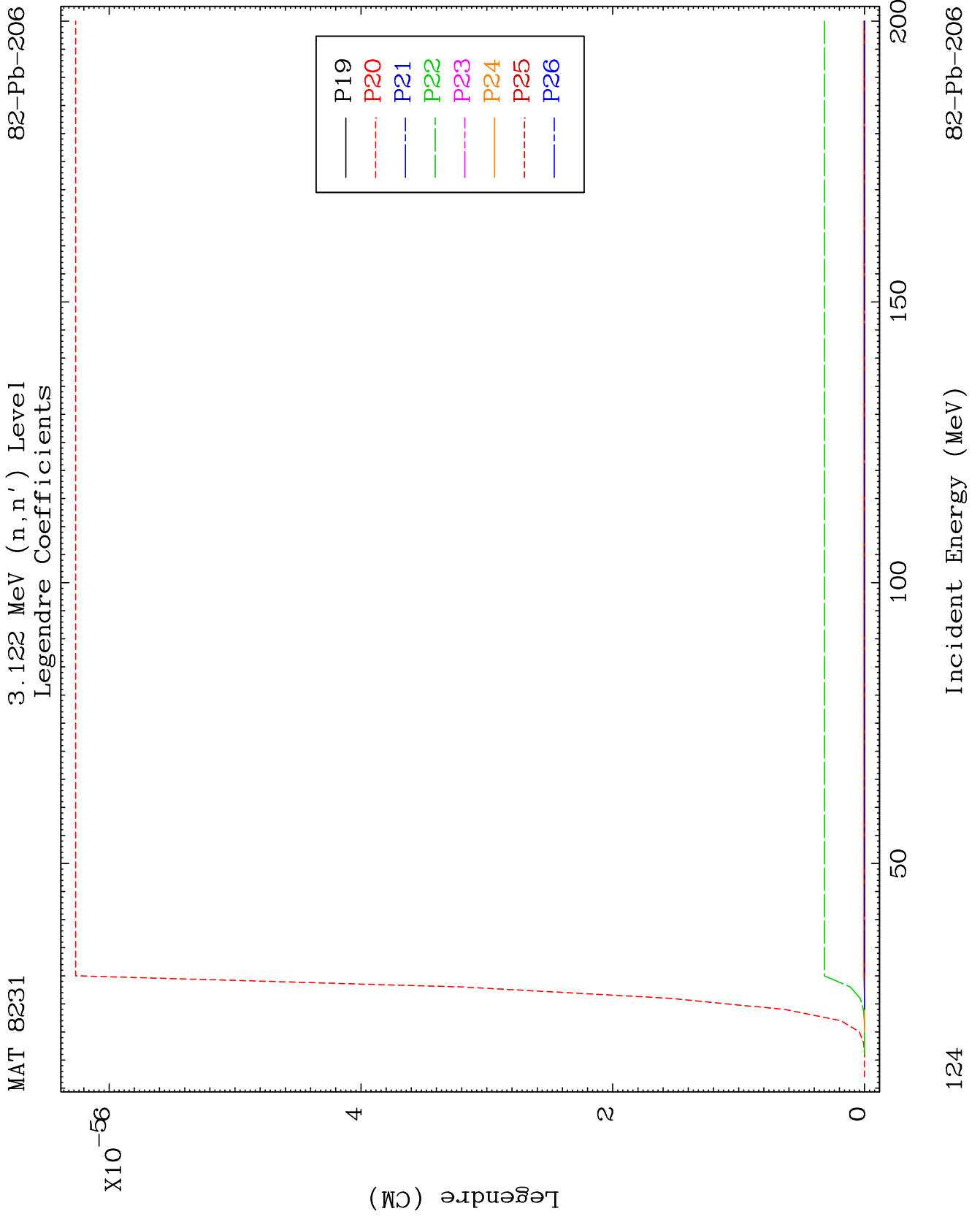
82-Pb-206

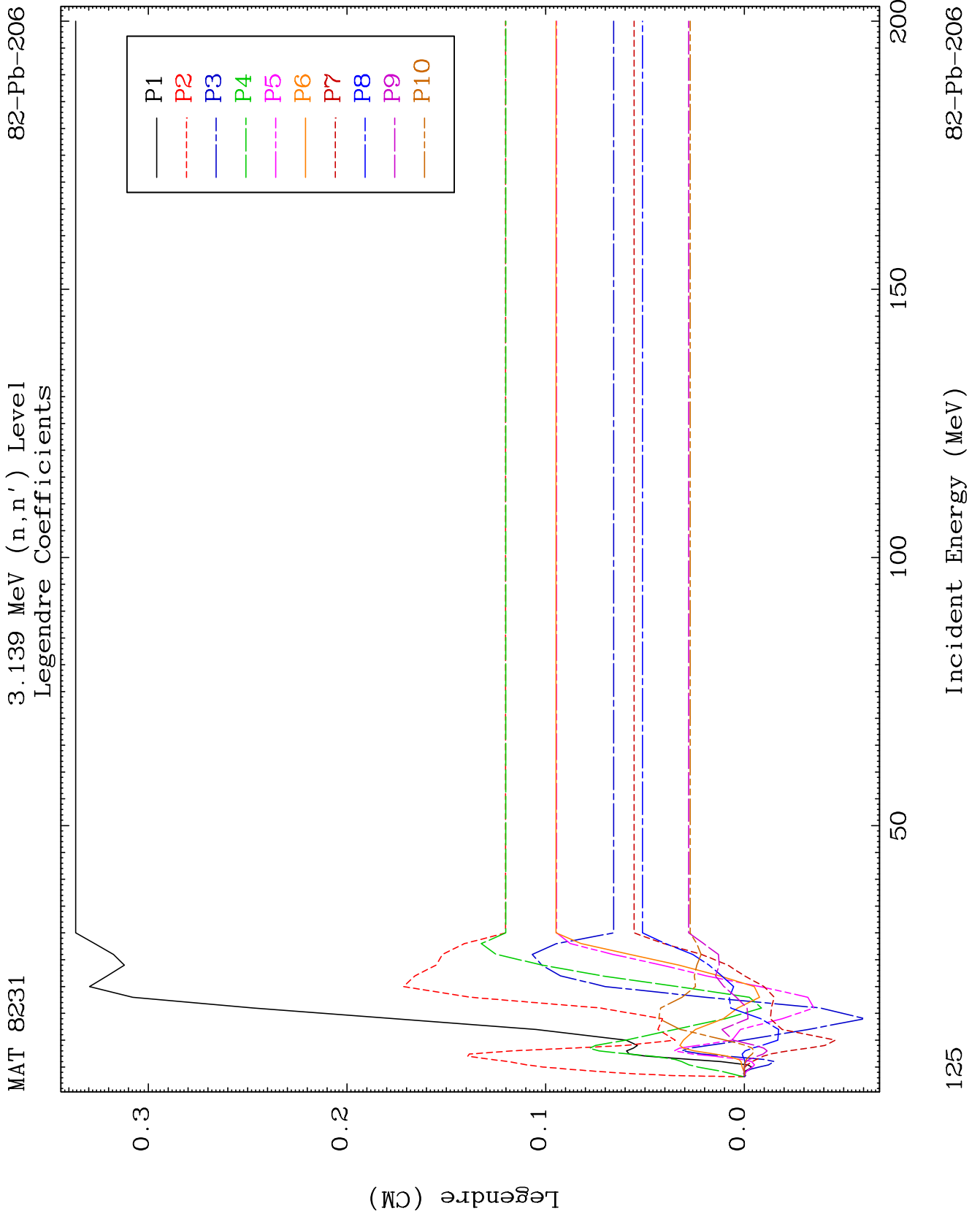


123

Incident Energy (MeV)

82-Pb-206

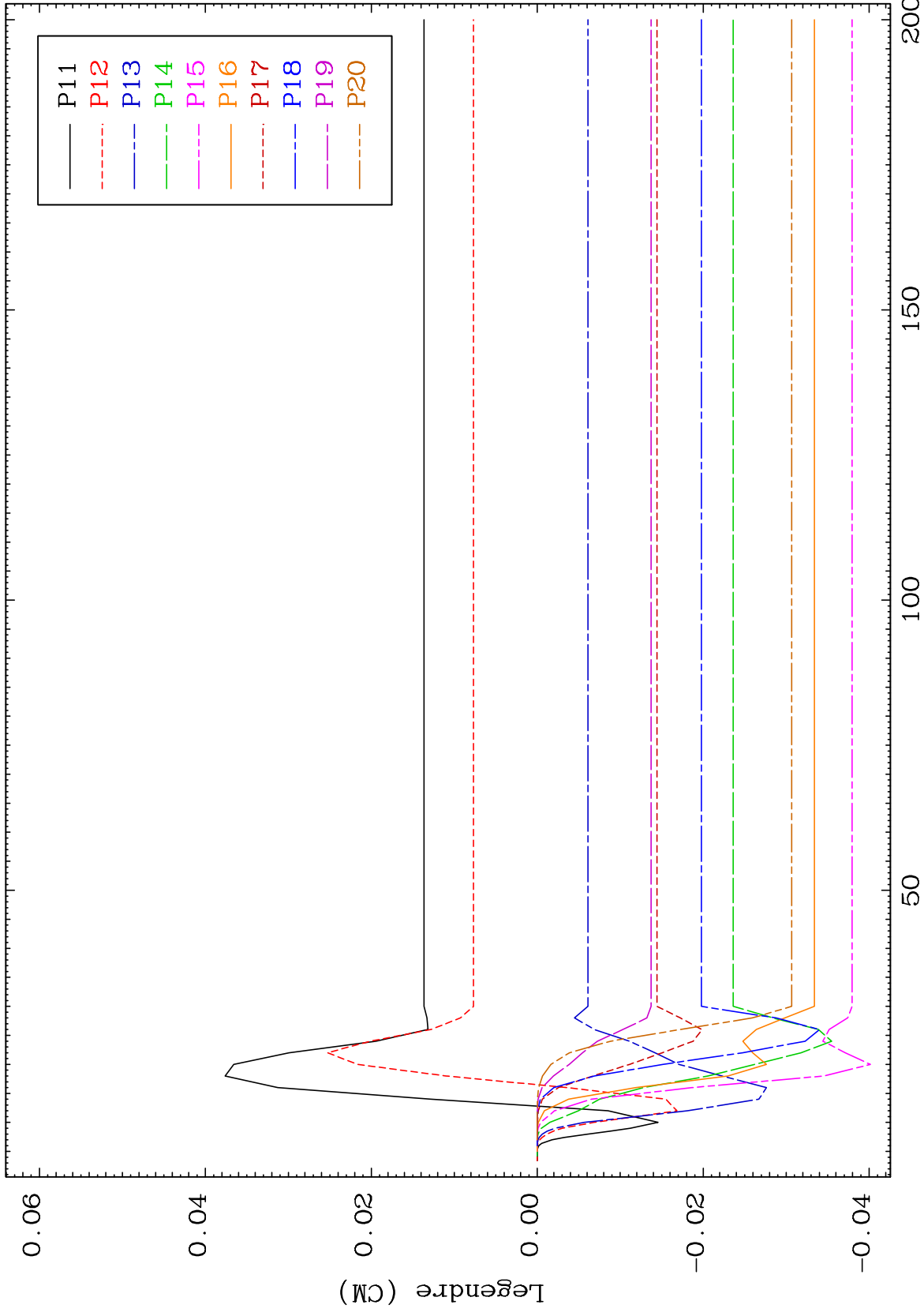




MAT 8231

3.139 MeV (n,n') Level  
Legendre Coefficients

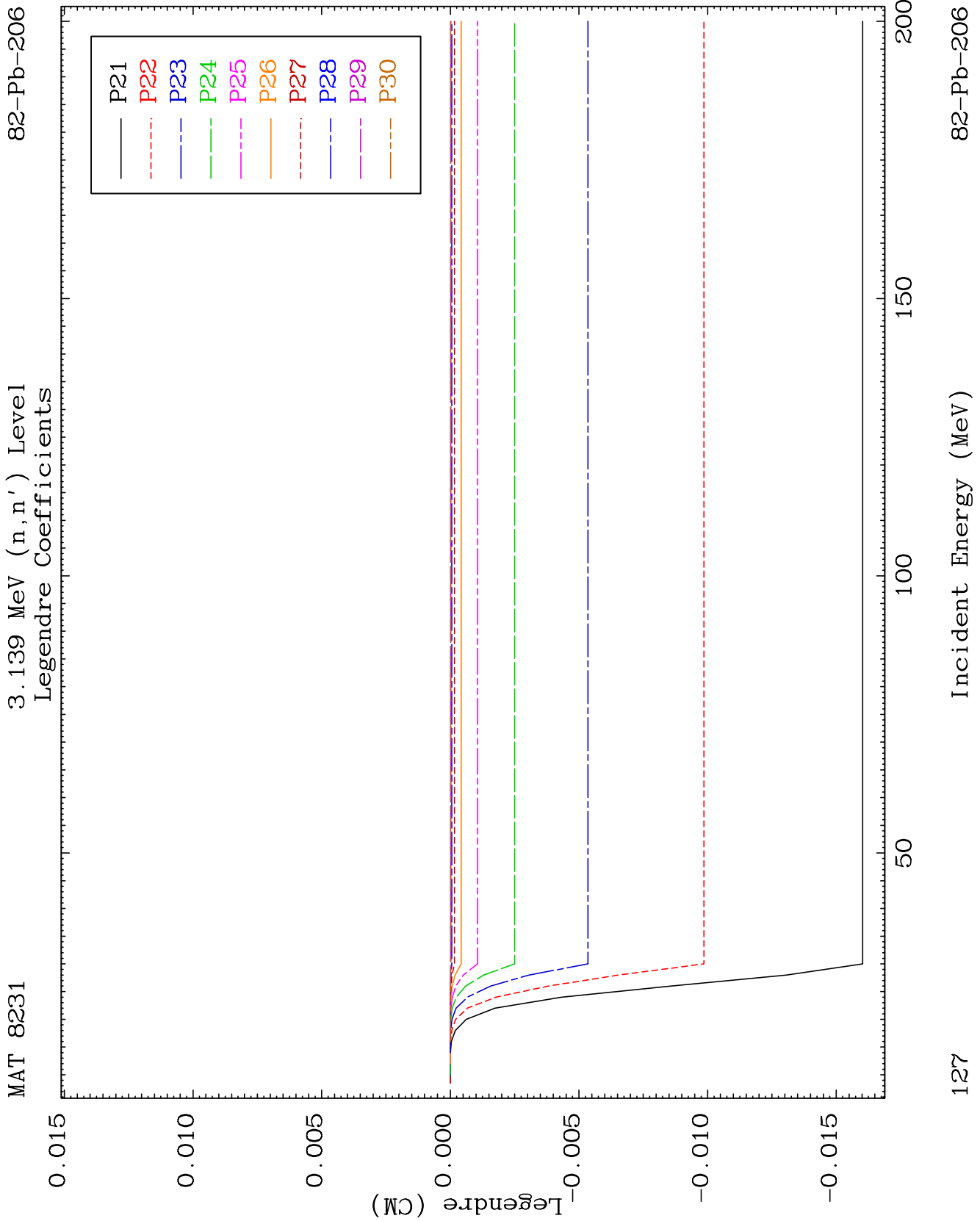
82-Pb-206



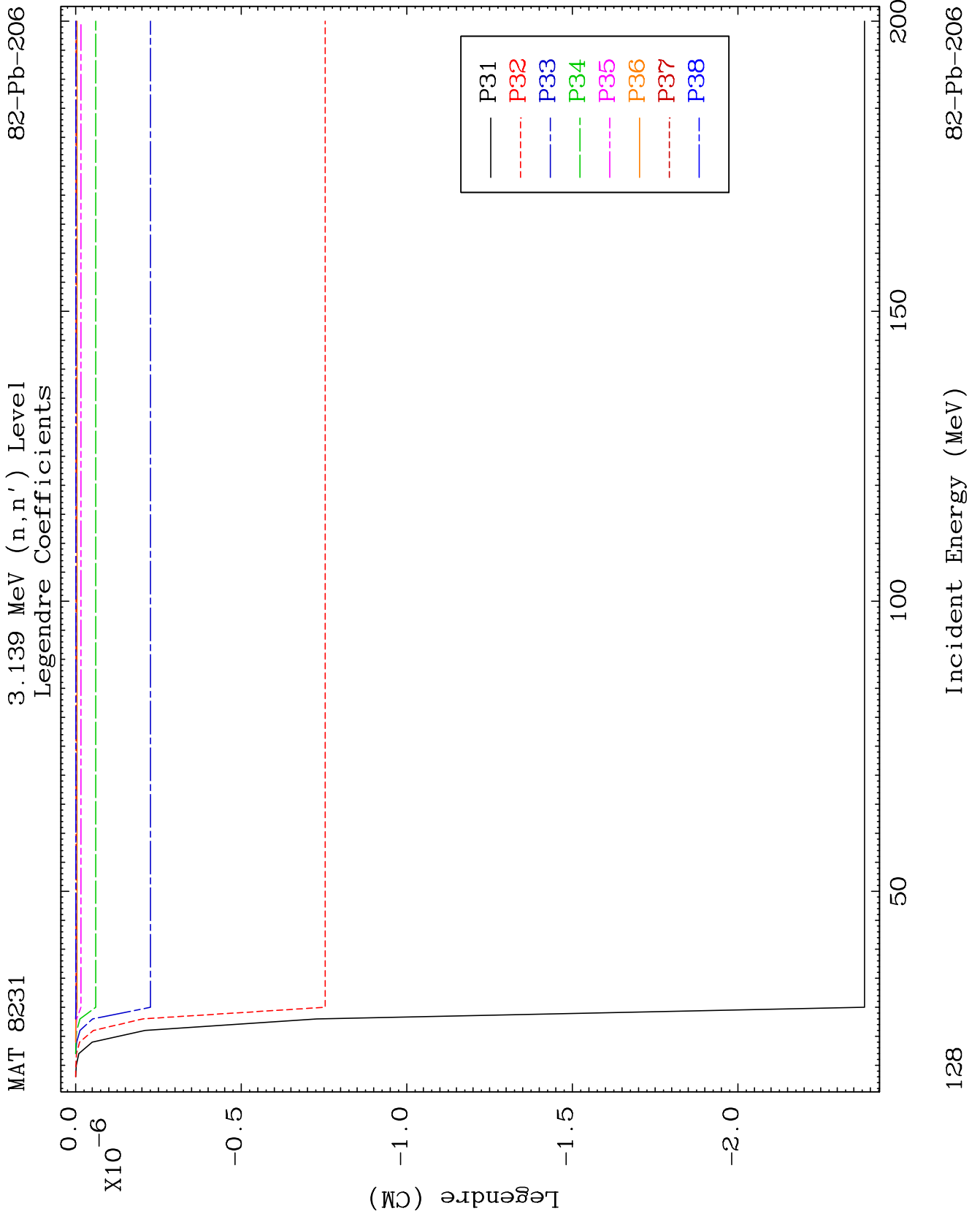
126

Incident Energy (MeV)

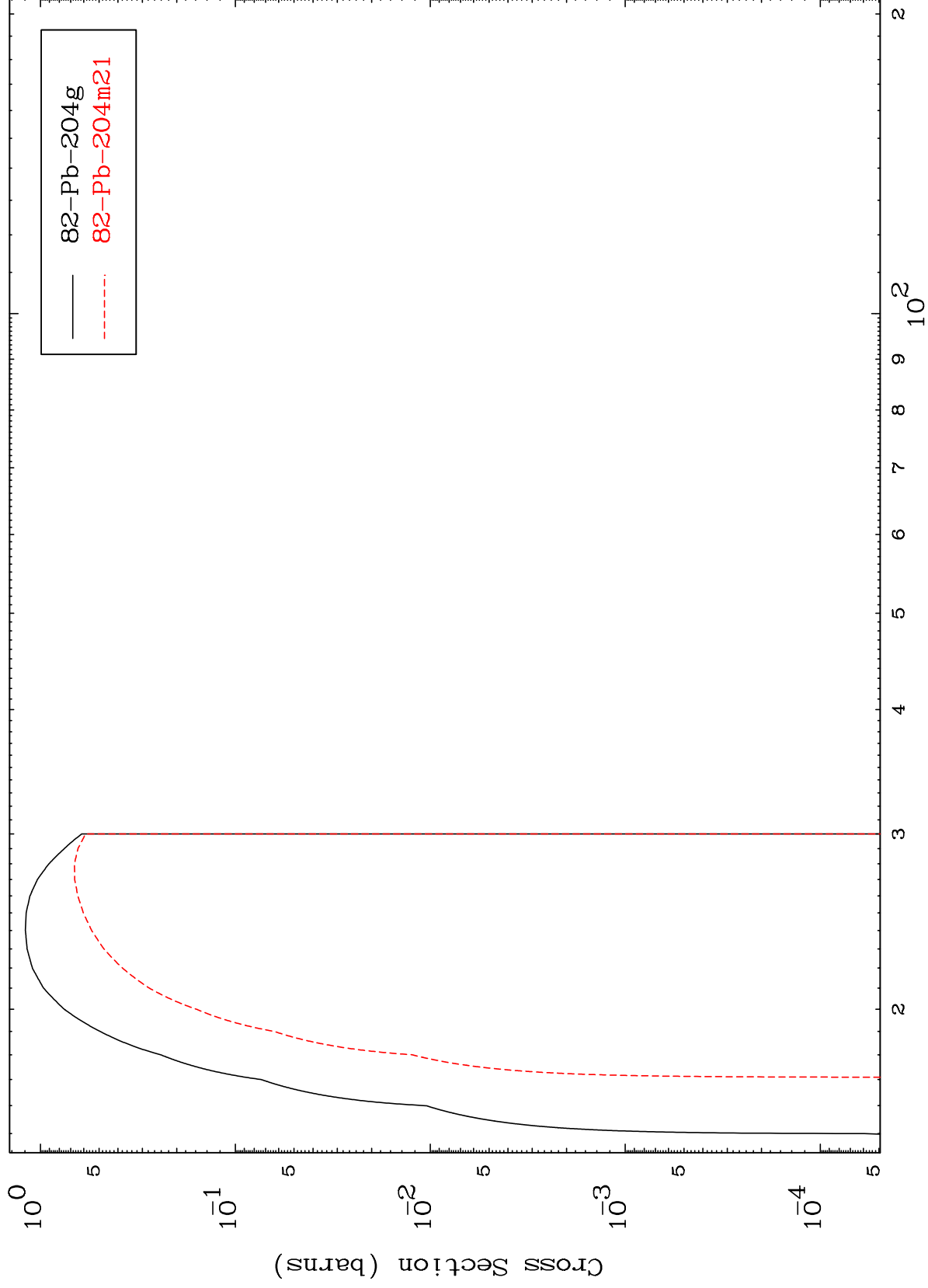
82-Pb-206







Radionuclide Production Cross Section

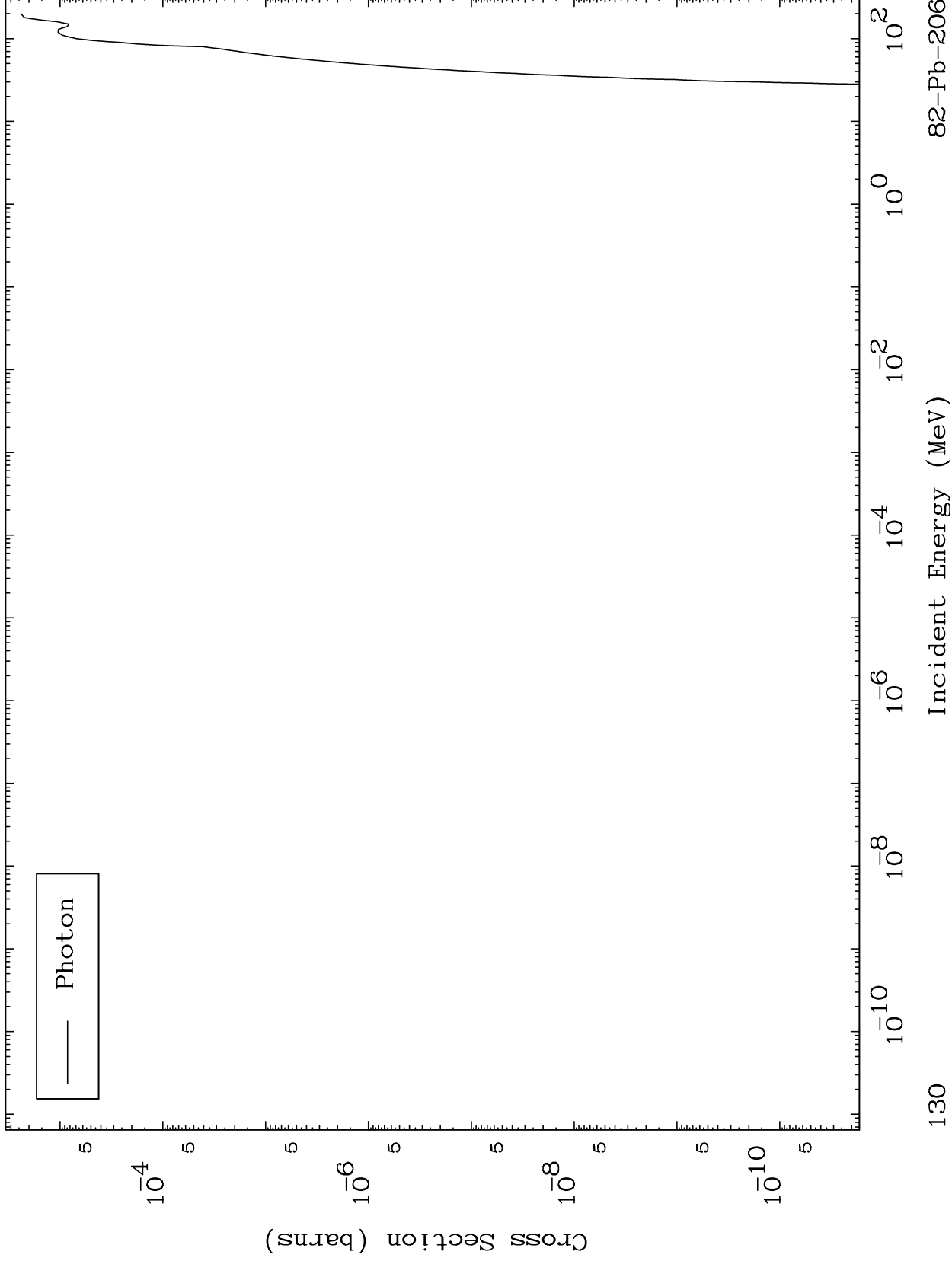


MAT 8231

Fission

82-Pb-206

Radionuclide Production Cross Section

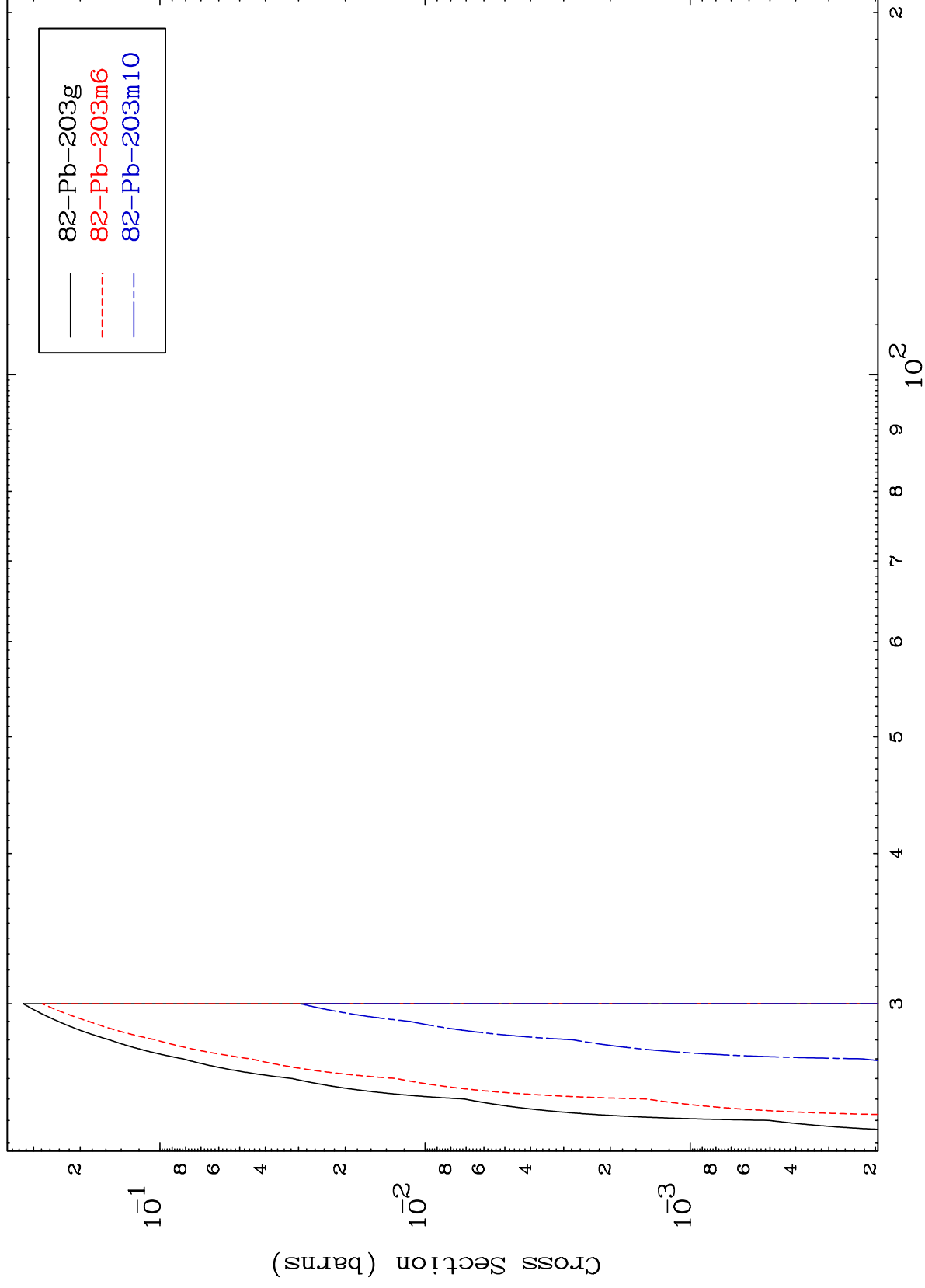


MAT 8231

(n,4n)

82-Pb-206

Radionuclide Production Cross Section



131

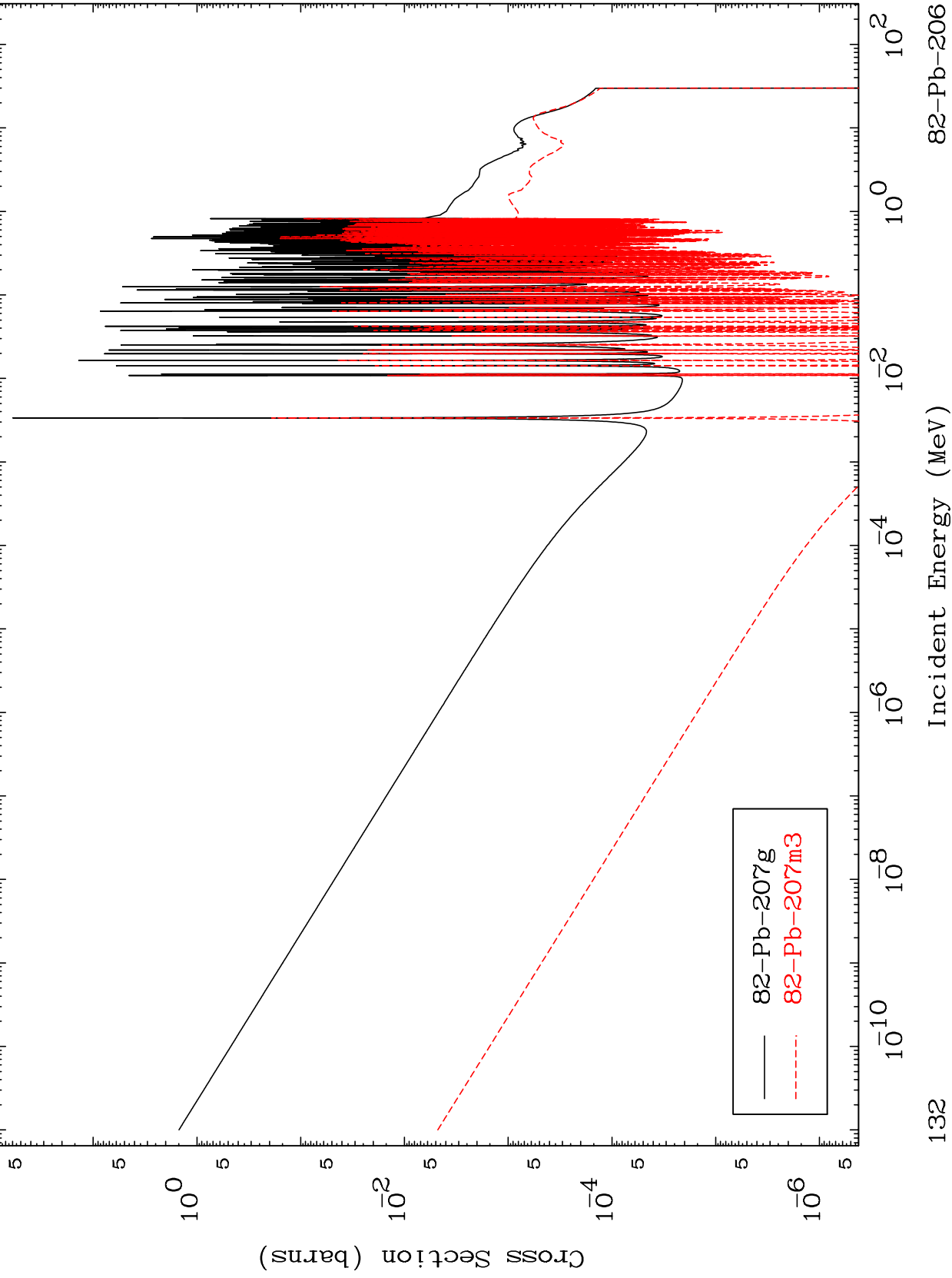
Incident Energy (MeV)

82-Pb-206

MAT 8231

82-Pb-206

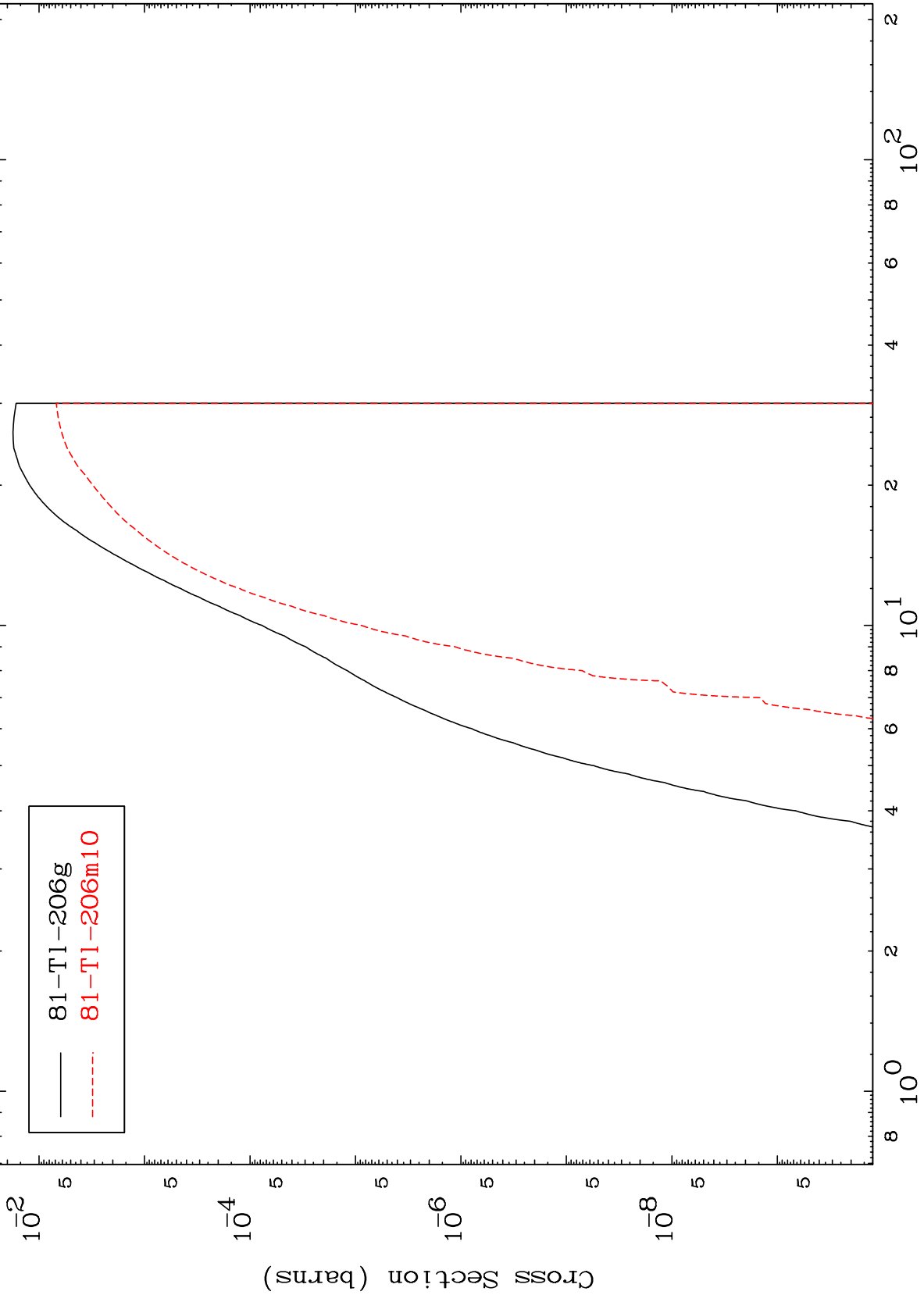
$(n, \gamma)$   
Radionuclide Production Cross Section



MAT 8231

82-Pb-206

(n,p)  
Radionuclide Production Cross Section



133

Incident Energy (MeV)

82-Pb-206