

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

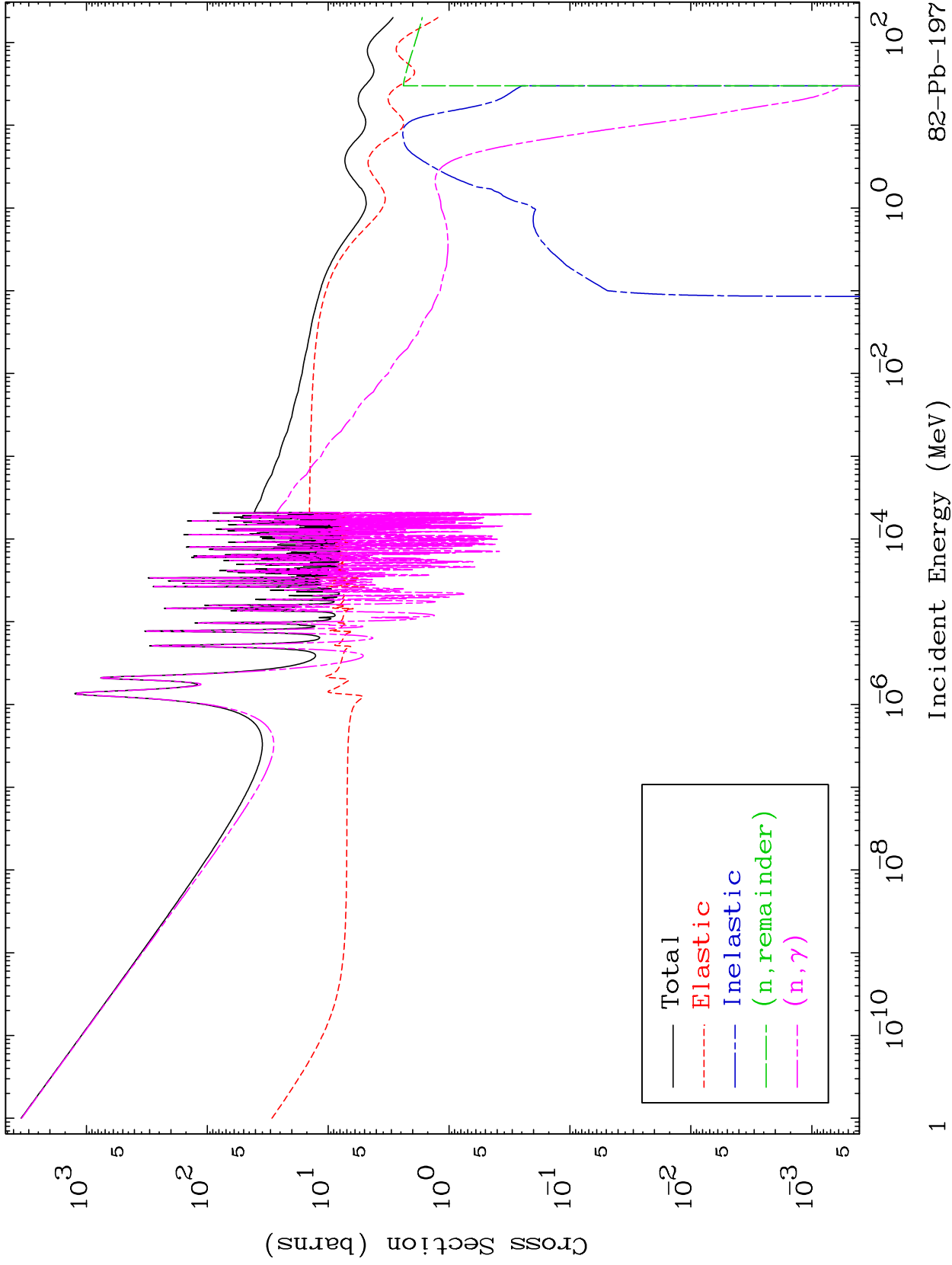
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 8204

Major  
293 Kelvin Cross Sections

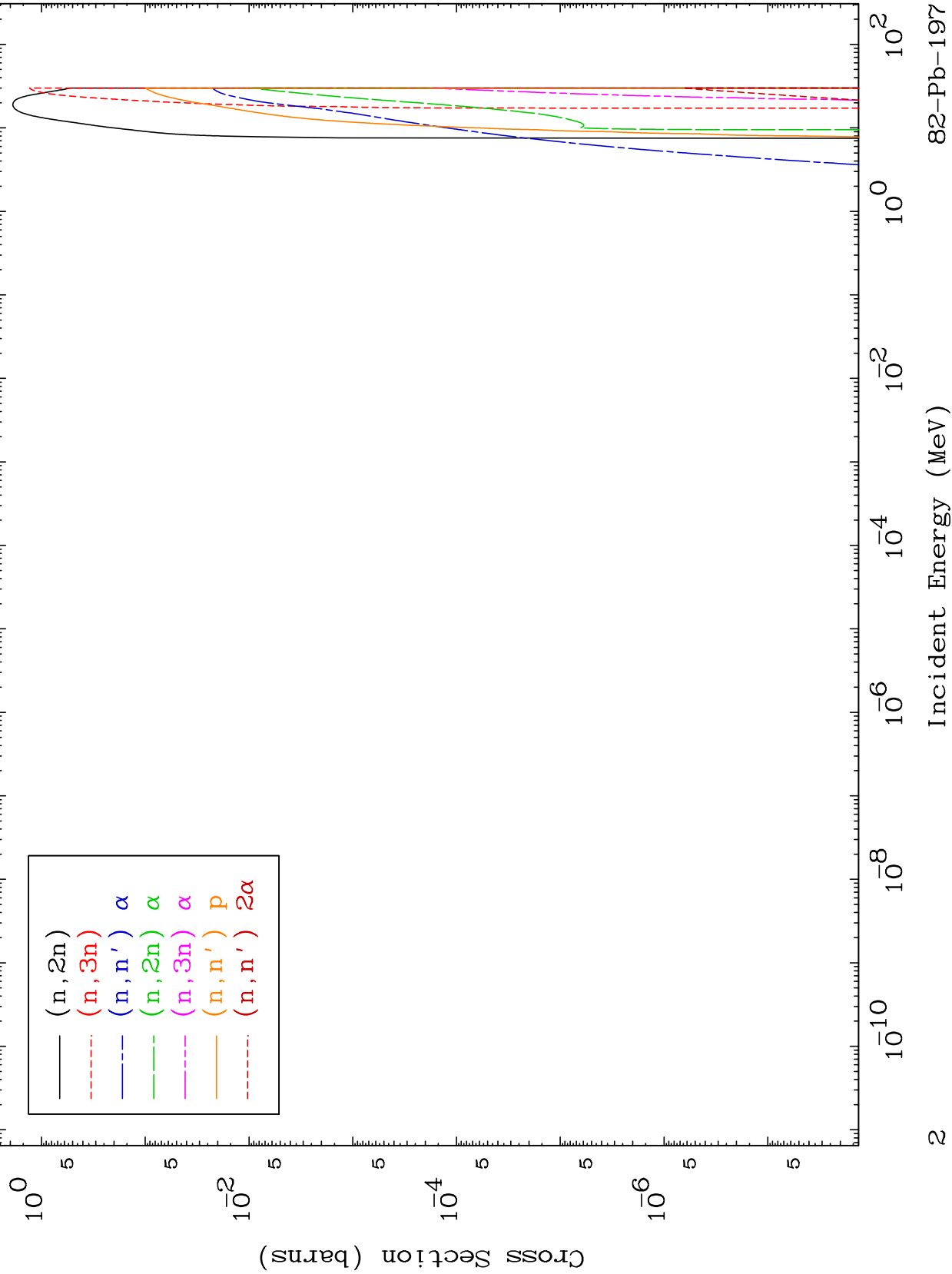
82-Pb-197



MAT 8204

Neutron Production  
293 Kelvin Cross Sections

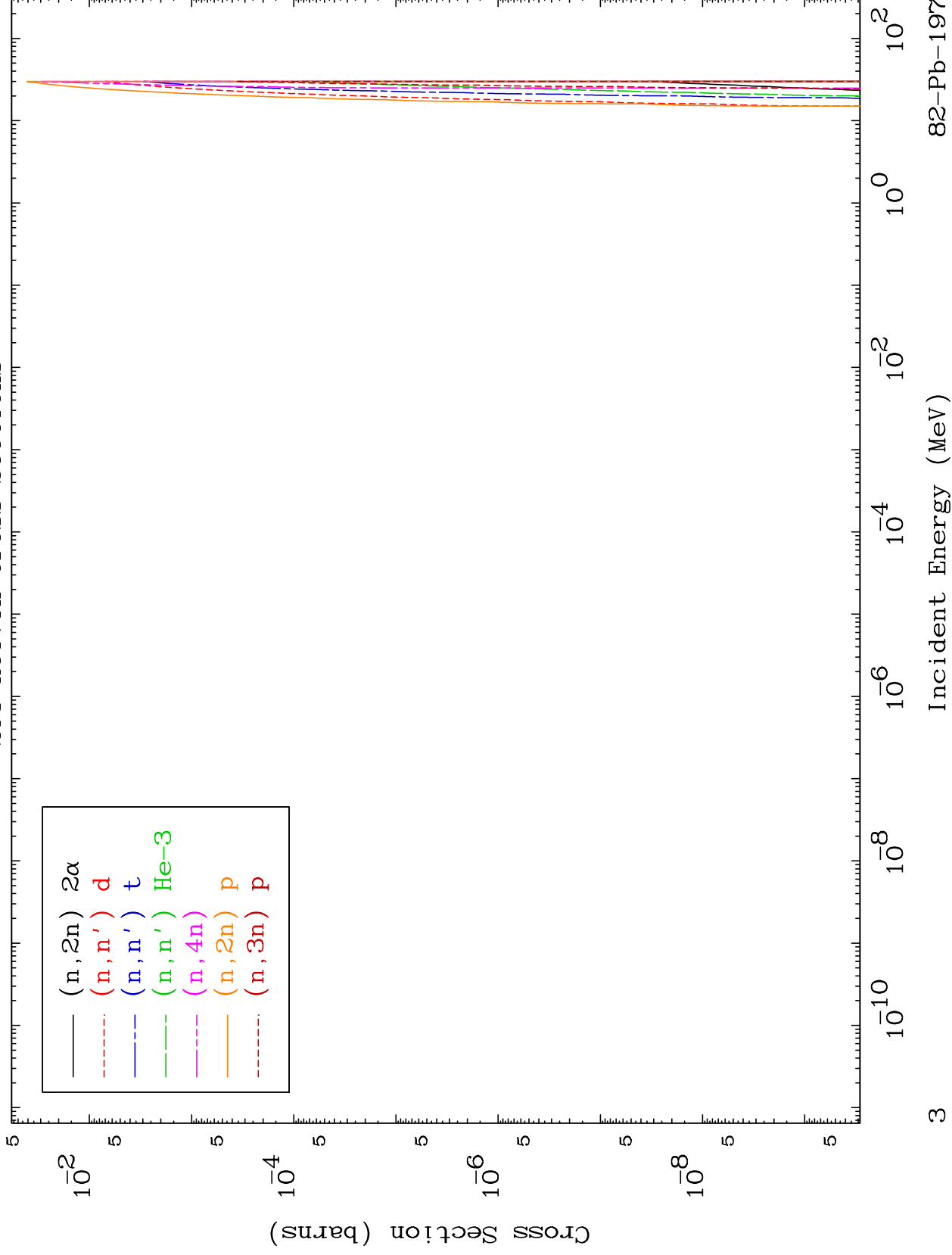
82-Pb-197



MAT 8204

Neutron Production  
293 Kelvin Cross Sections

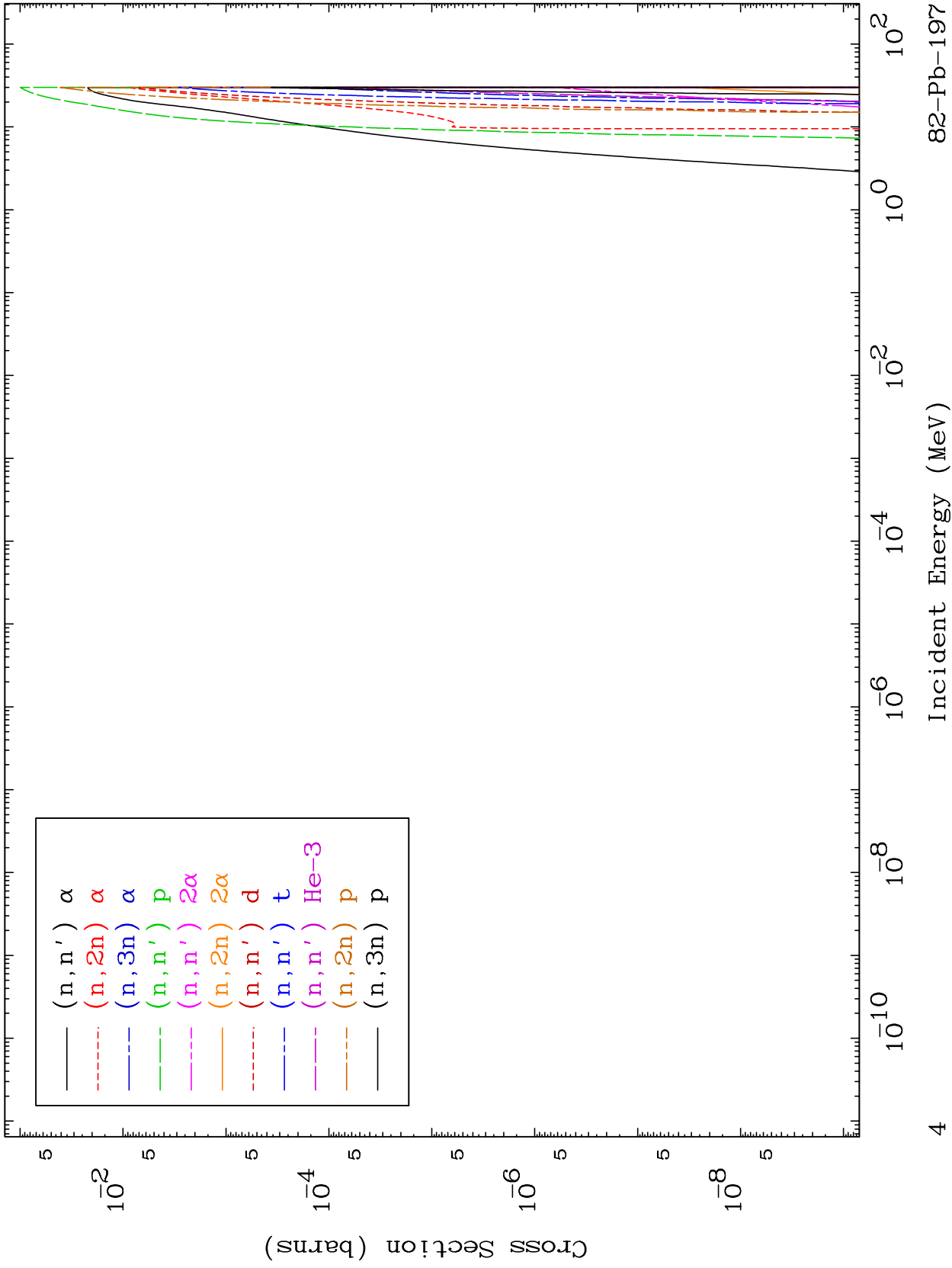
82-Pb-197



MAT 8204

Charged Particle  
293 Kelvin Cross Sections

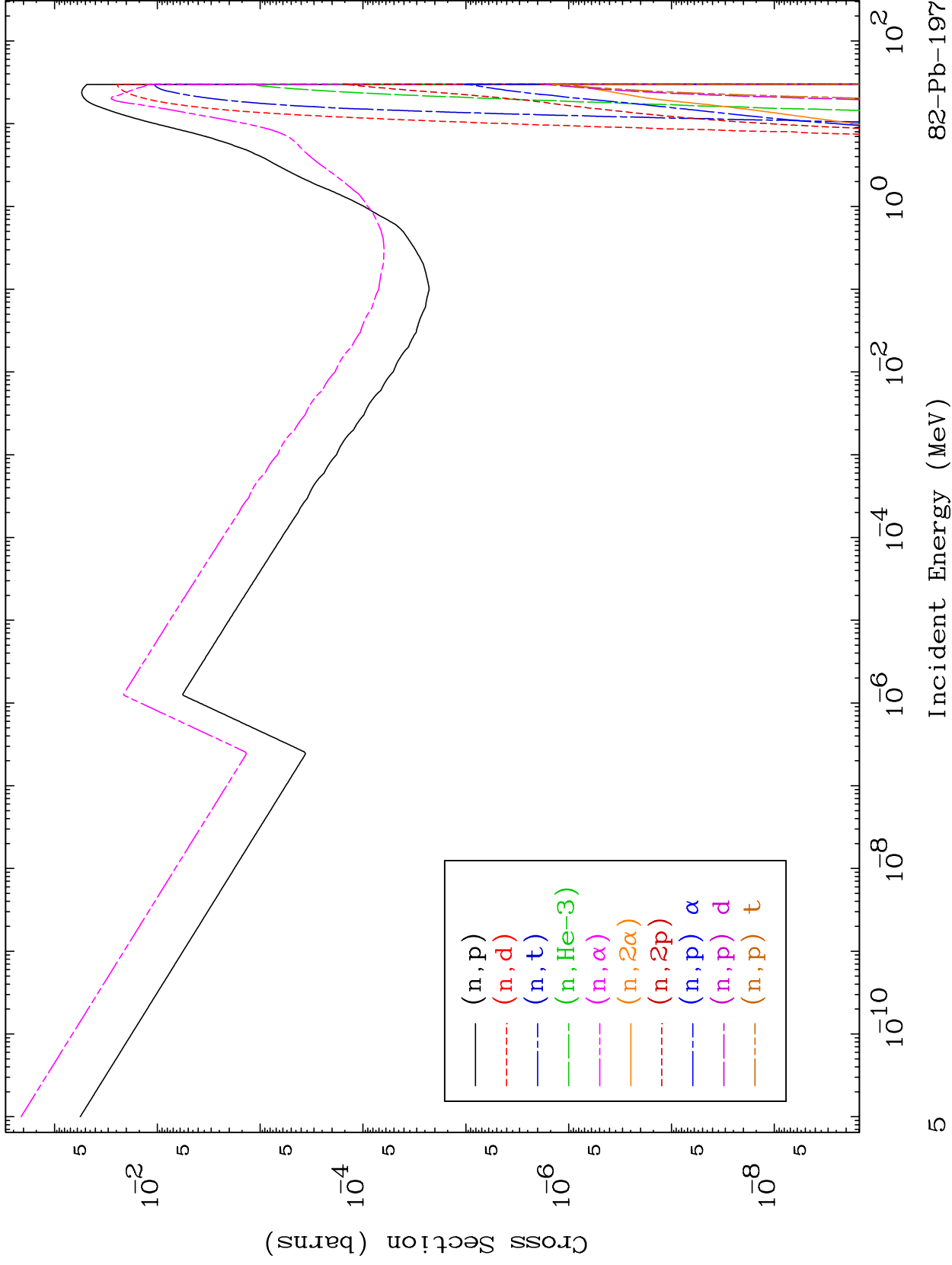
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MAT 8204

Charged Particle  
293 Kelvin Cross Sections

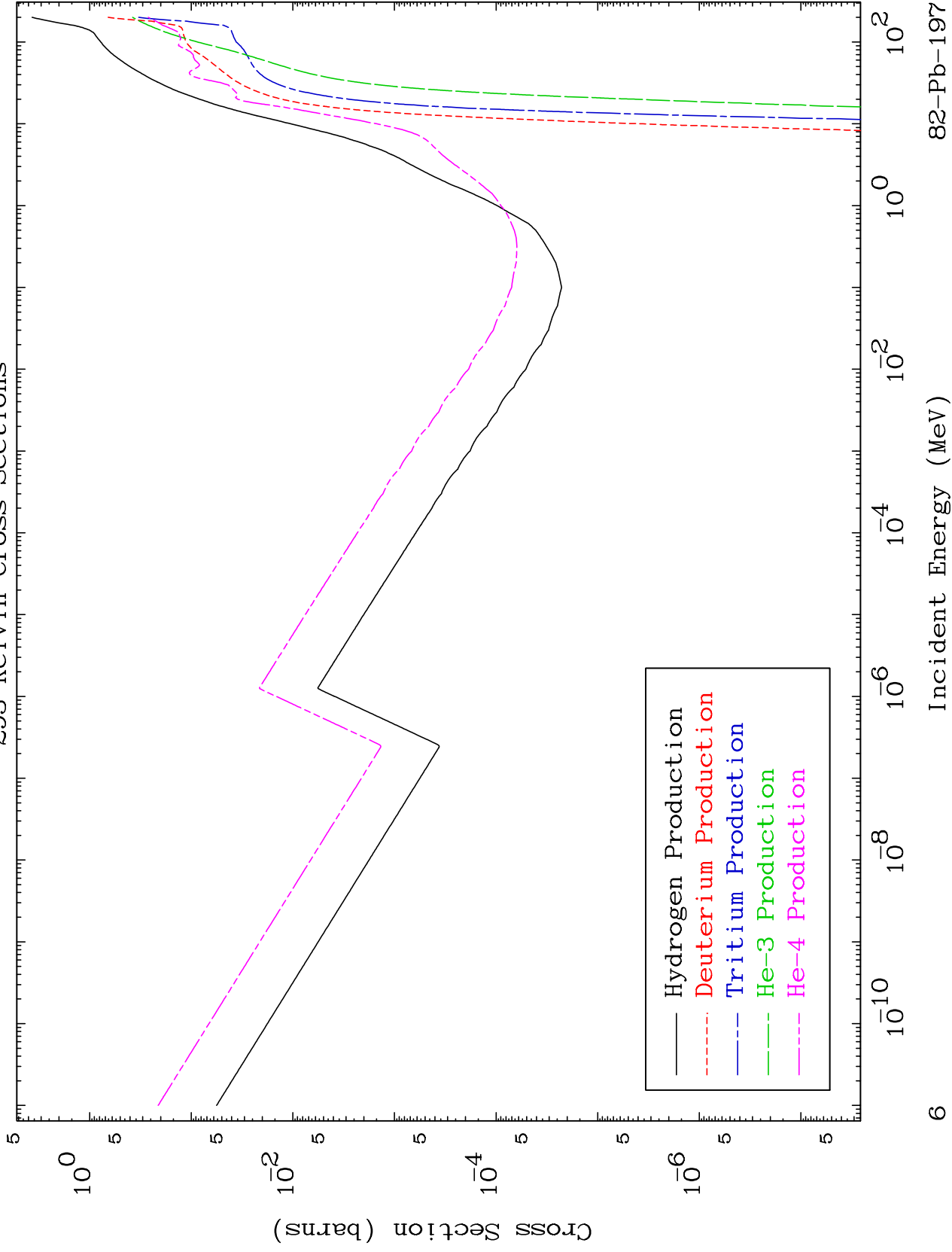
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MAT 8204

Particle Production  
293 Kelvin Cross Sections

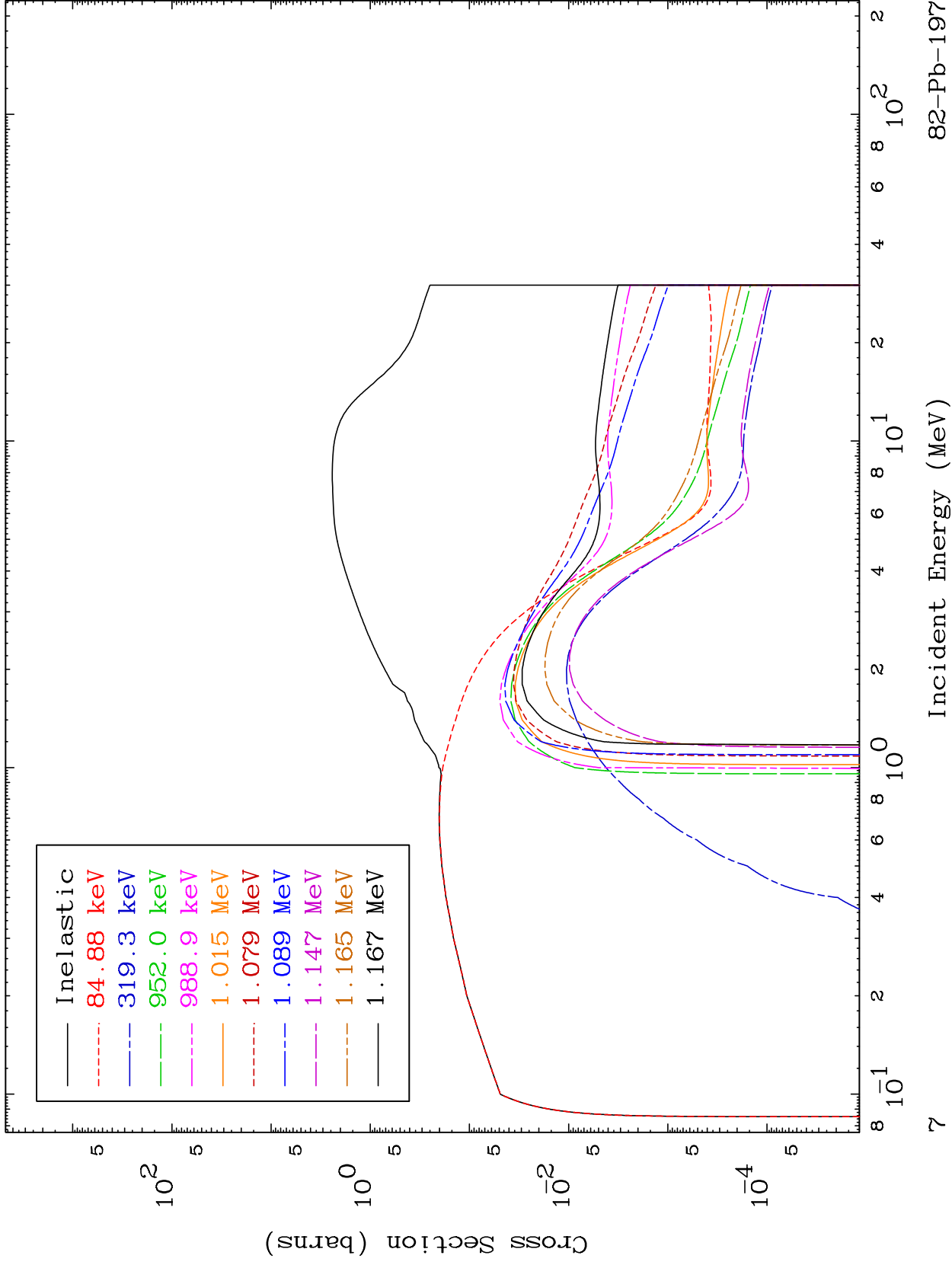
82-Pb-197



MAT 8204

(n,n') Level  
293 Kelvin Cross Sections

82-Pb-197

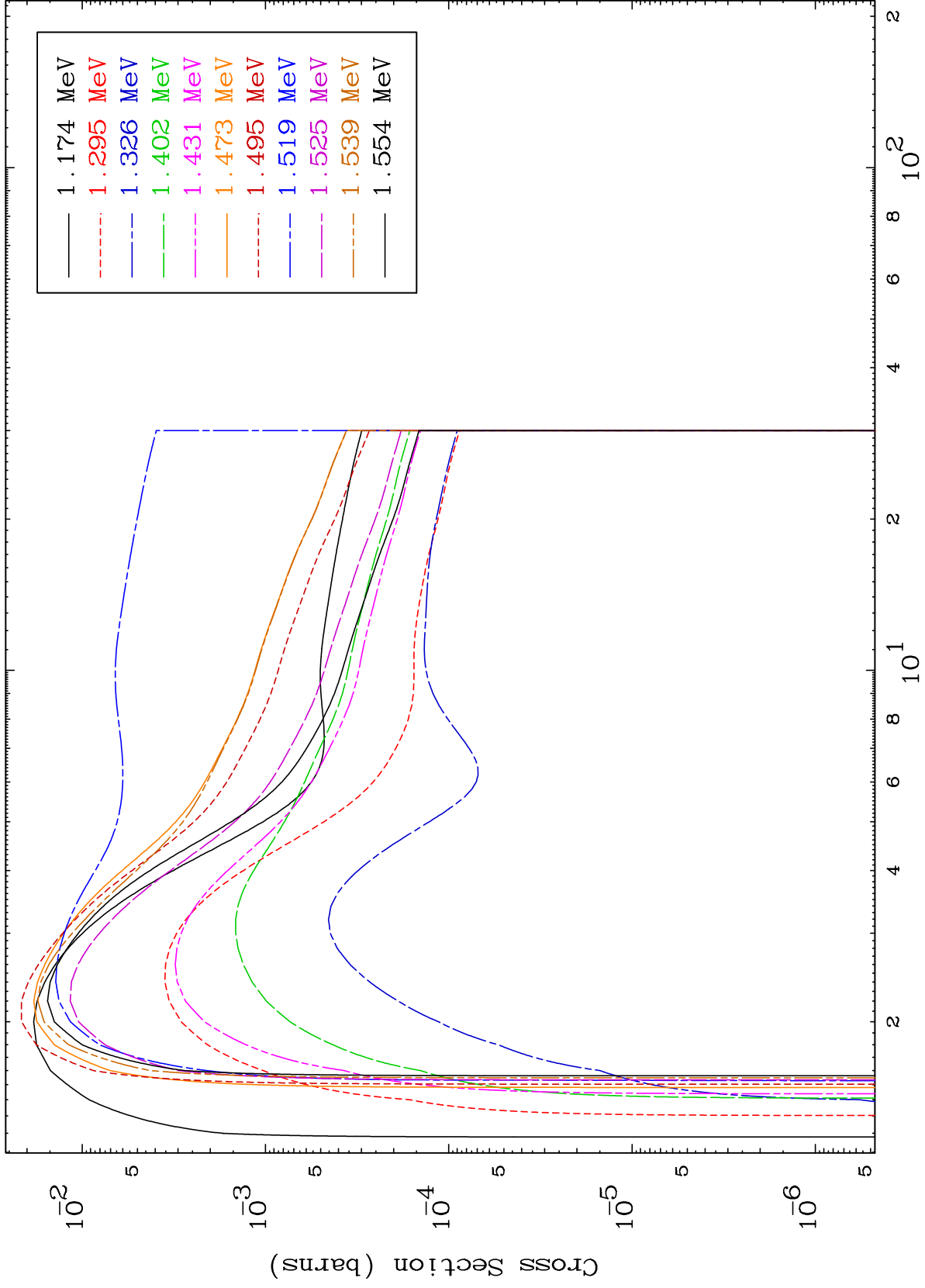




MAT 8204

(n,n') Level  
293 Kelvin Cross Sections

82-Pb-197



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Incident Energy (MeV)

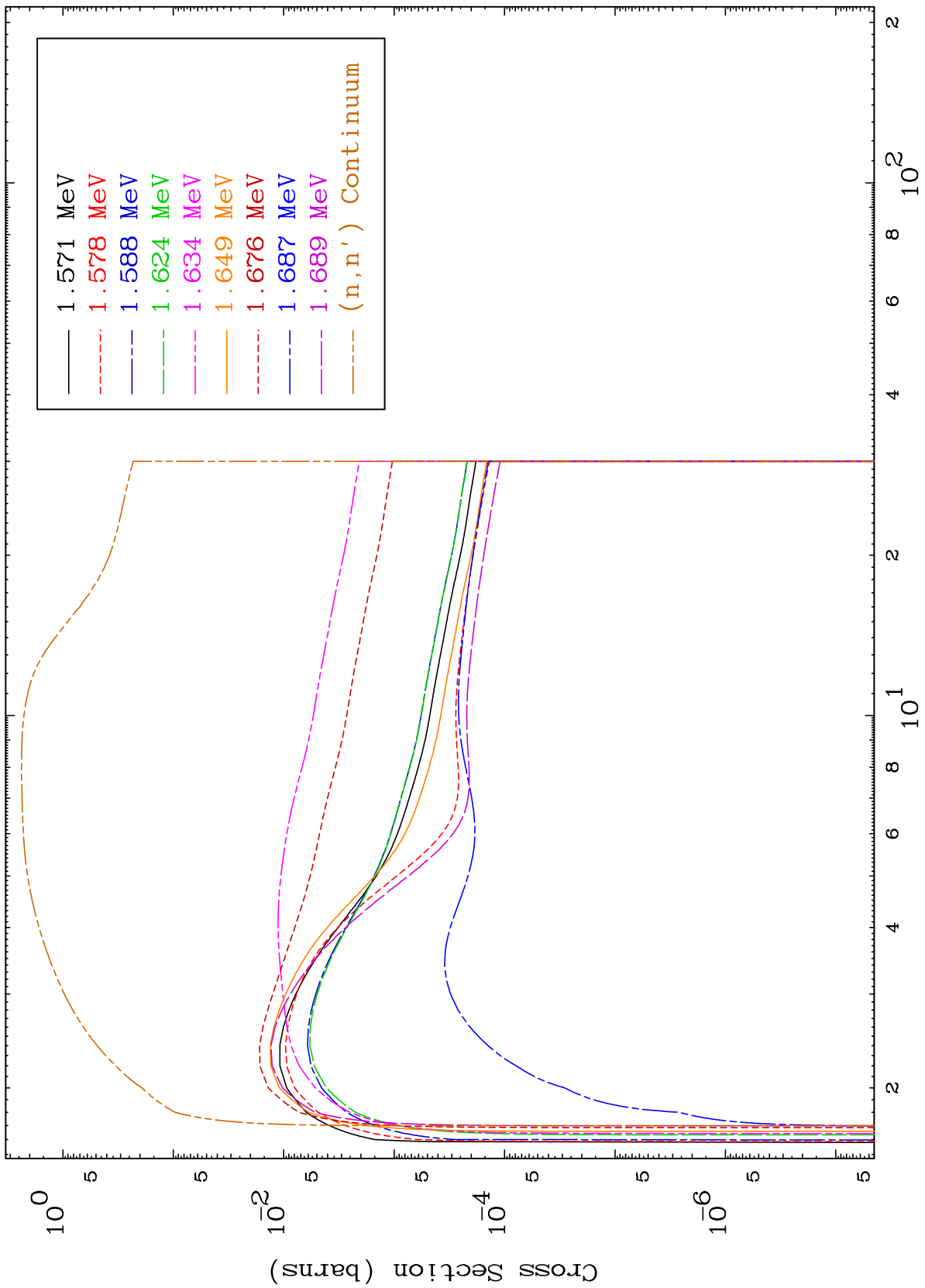
82-Pb-197

MAT 8204

(n,n') Level

82-Pb-197

293 Kelvin Cross Sections



9

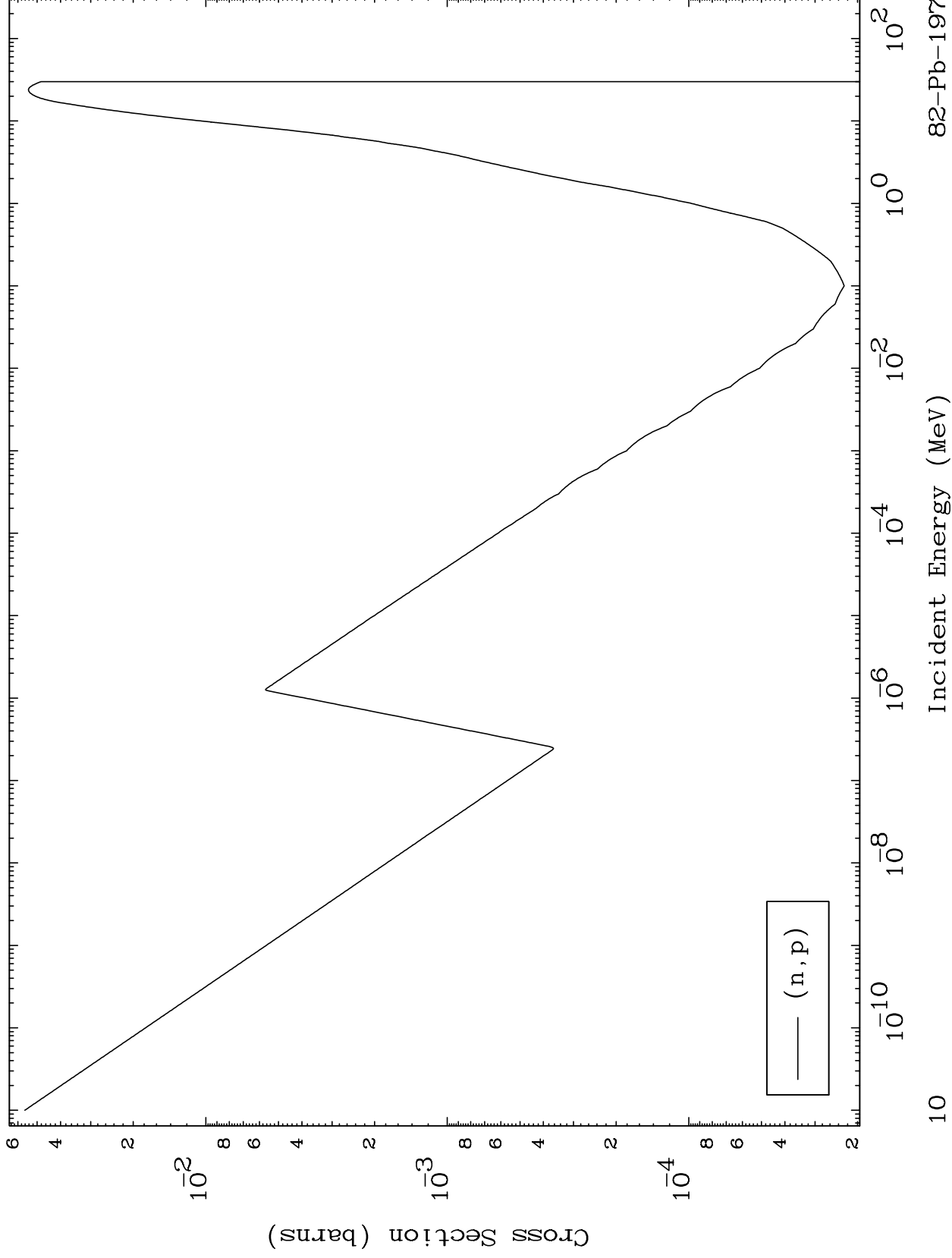
Incident Energy (MeV)

82-Pb-197

MAT 8204

(n,p) Levels  
293 Kelvin Cross Sections

82-Pb-197



10

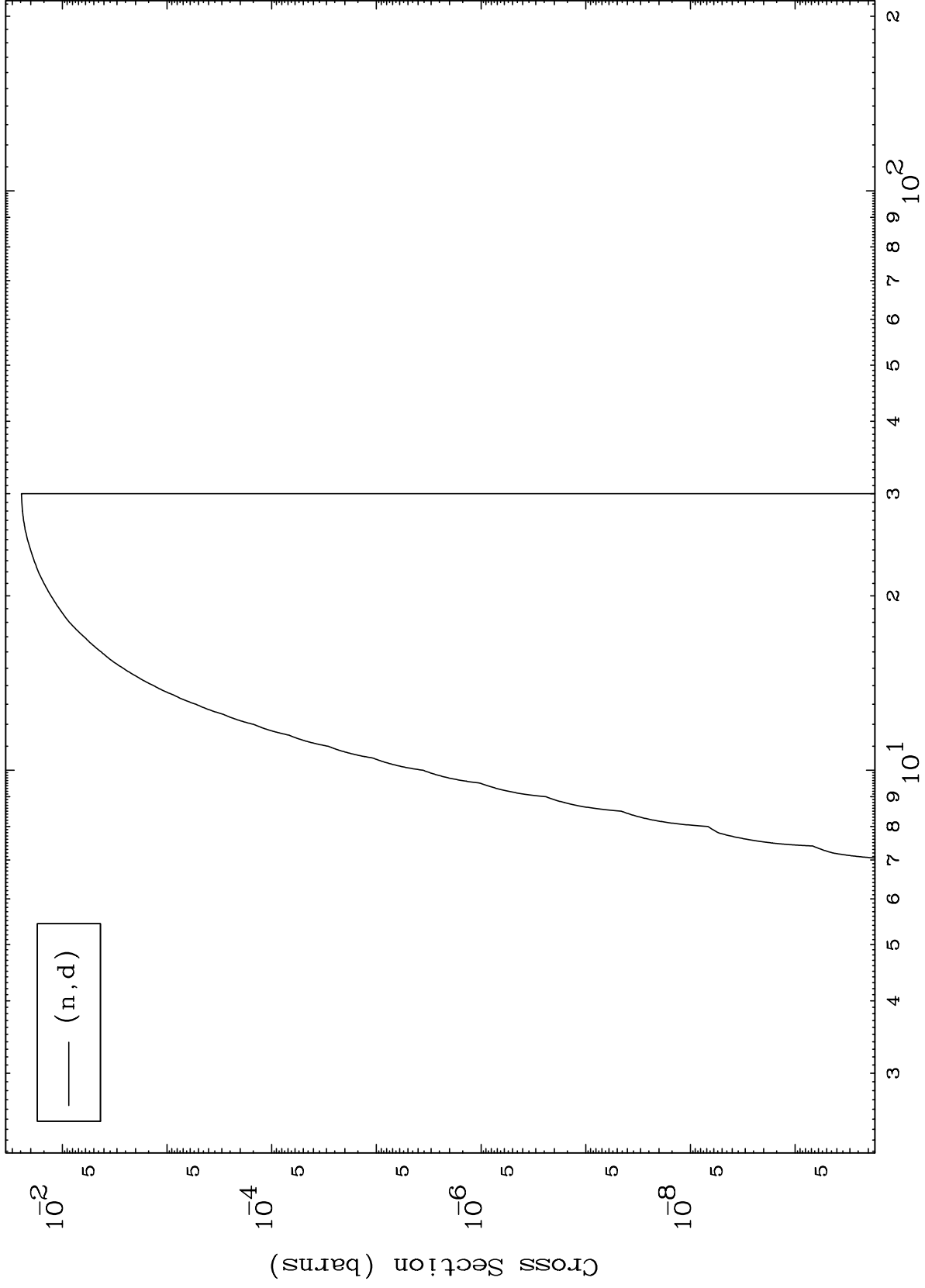
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82-Pb-197

MAT 8204

(n,d) Levels  
293 Kelvin Cross Sections

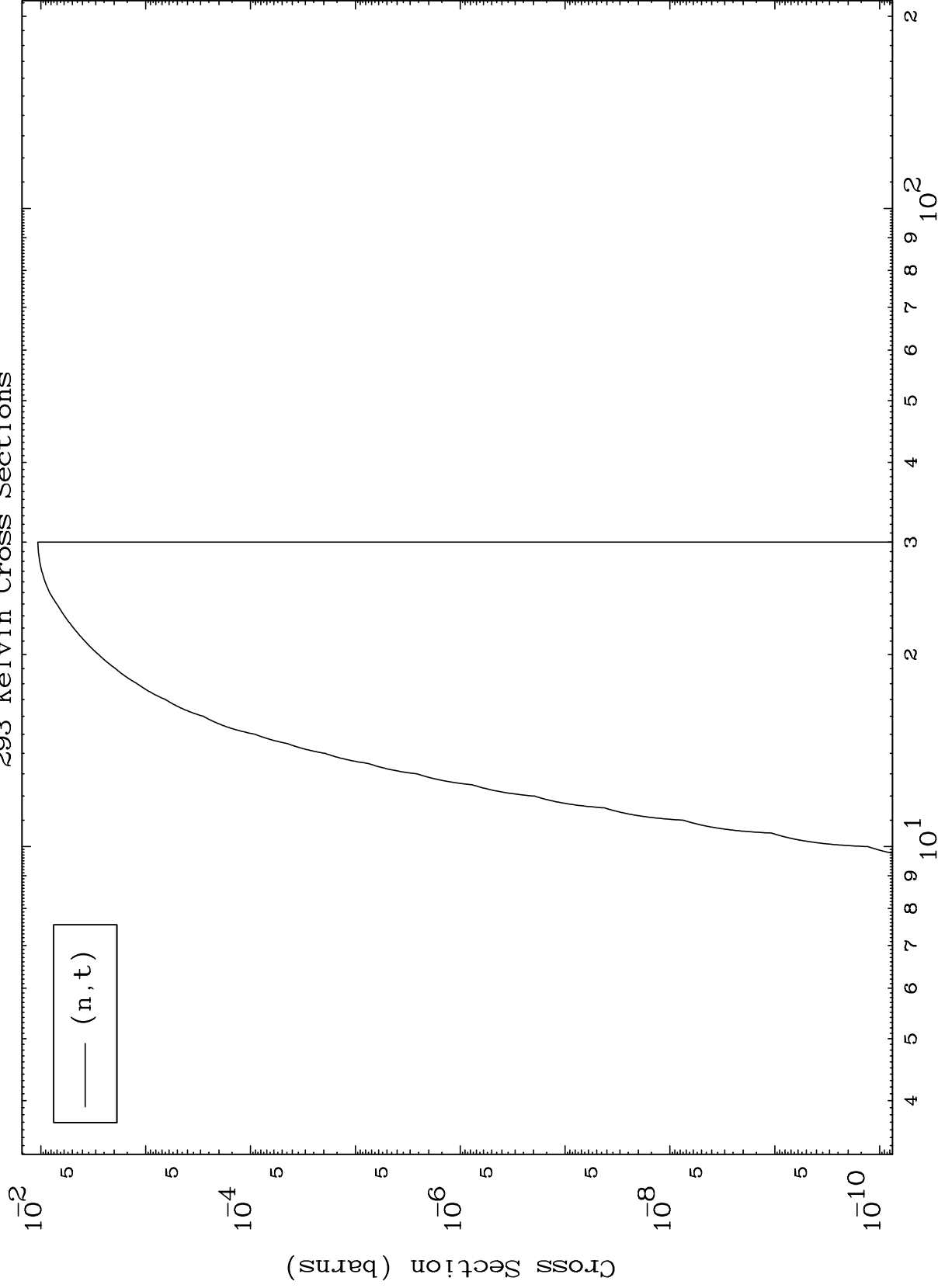
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MAT 8204

(n,t) Levels  
293 Kelvin Cross Sections

82-Pb-197



12

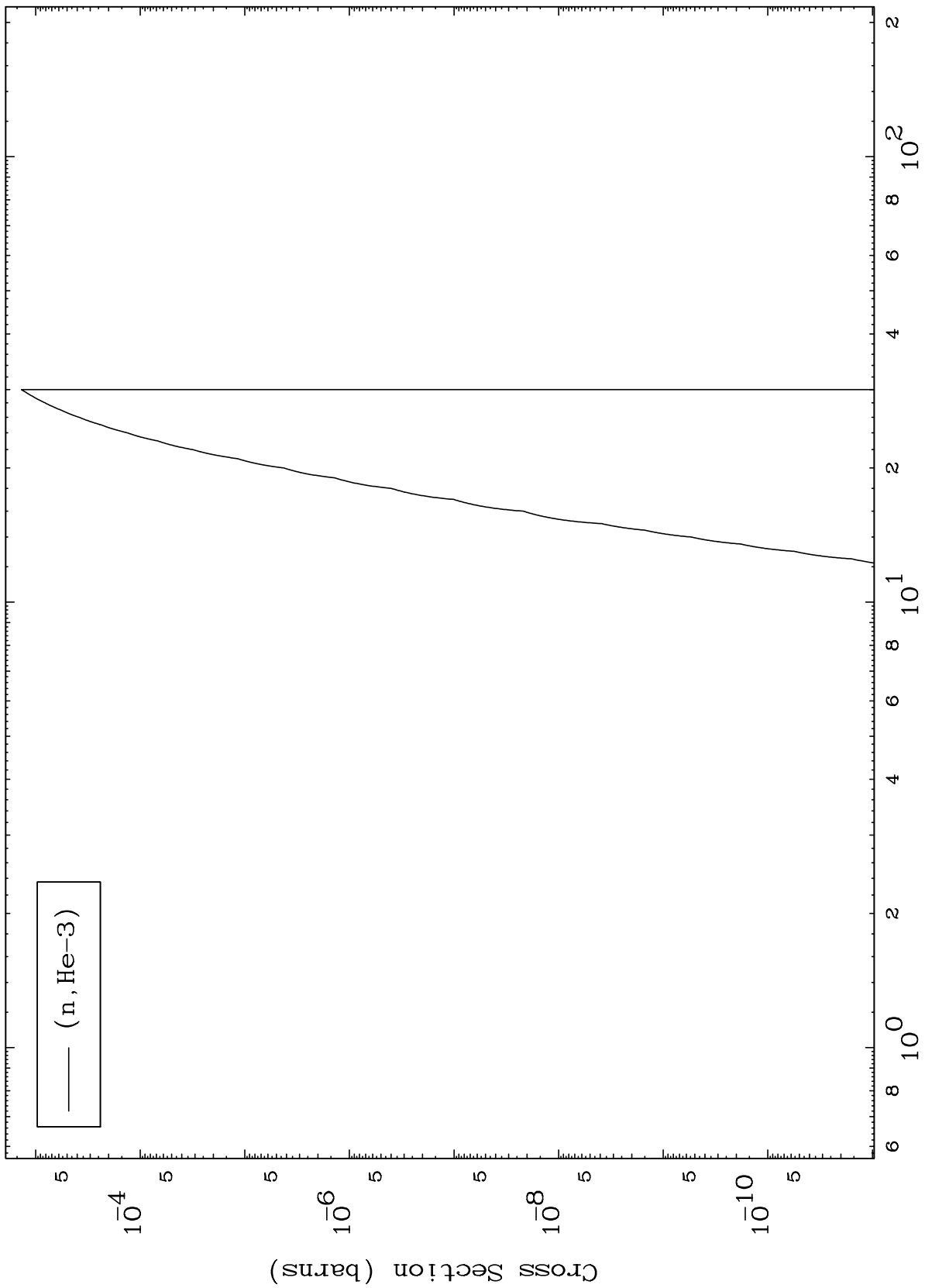
Incident Energy (MeV)

82-Pb-197

MAT 8204

(n,He3) Levels  
293 Kelvin Cross Sections

82-Pb-197



13

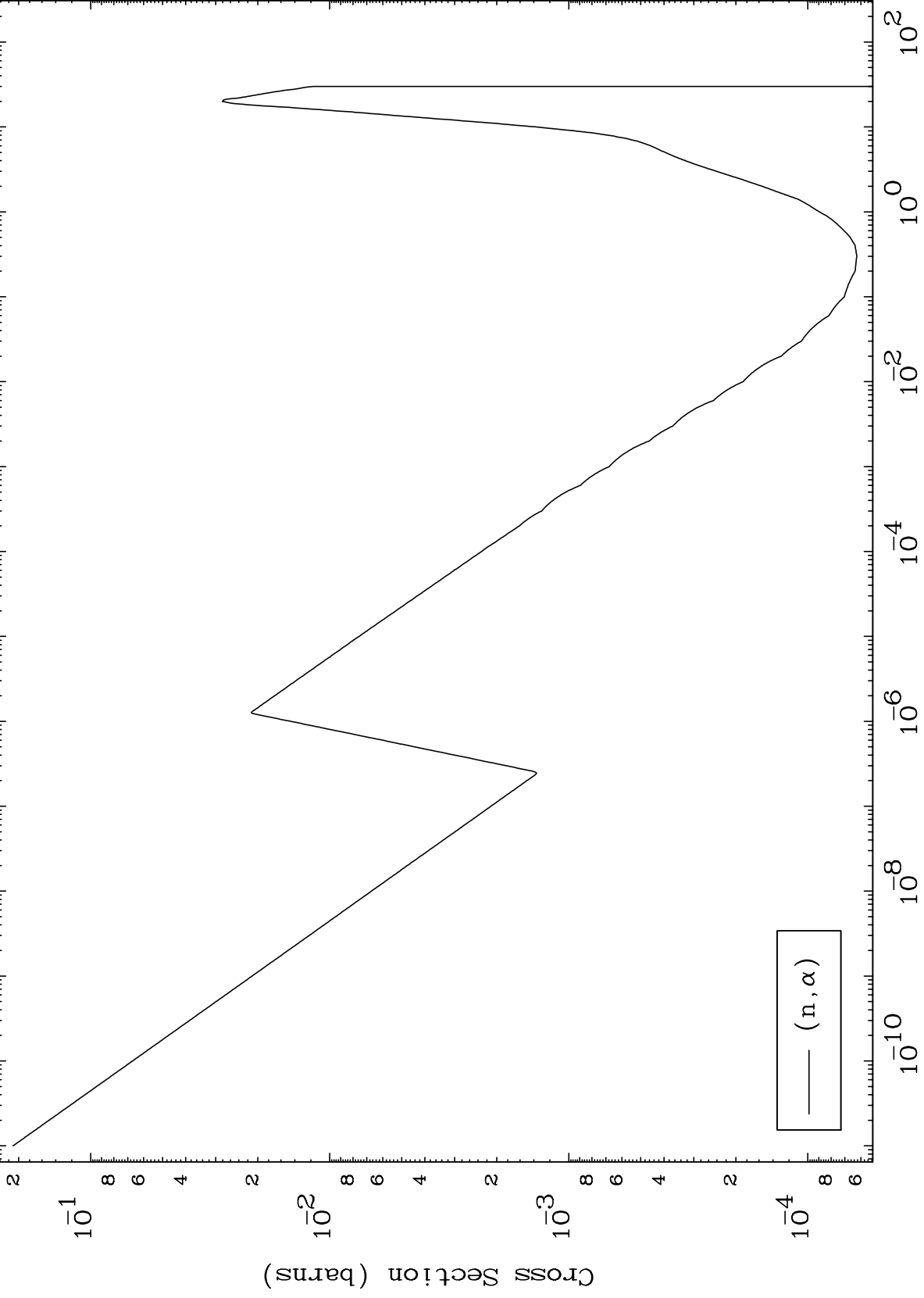
Incident Energy (MeV)

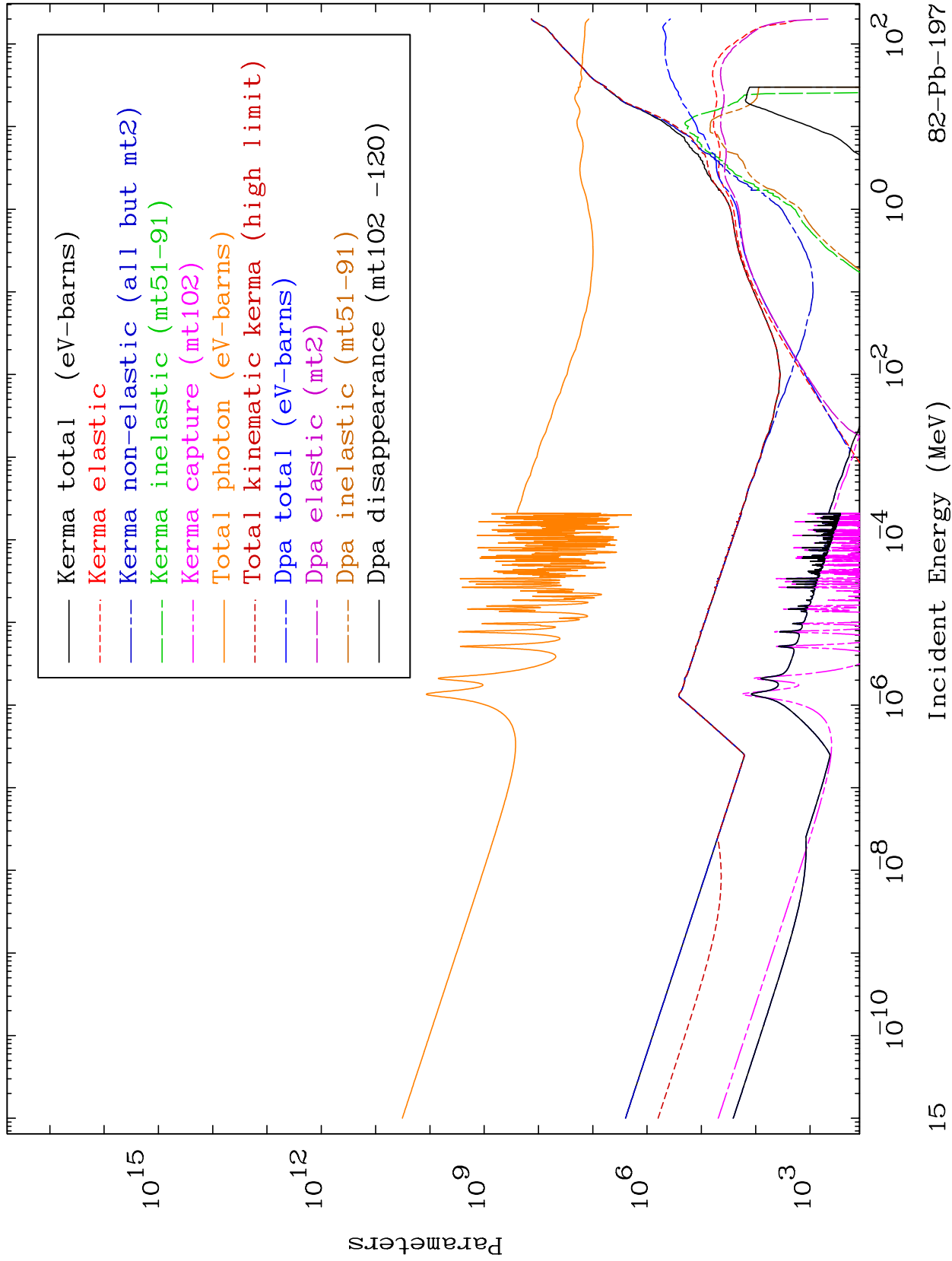
82-Pb-197

MAT 8204

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

82-Pb-197



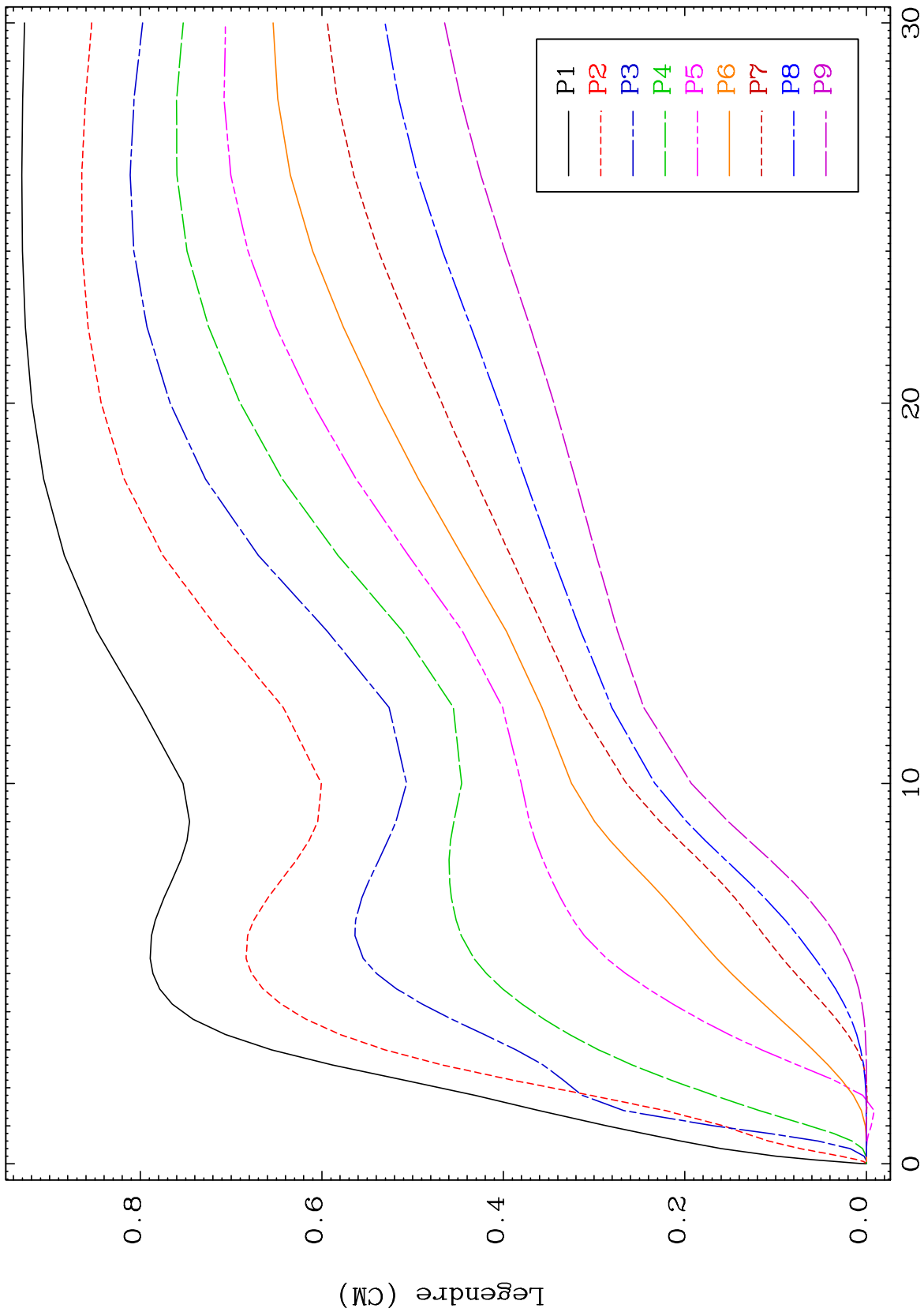




MAT 8204

Elastic Legendre Coefficients

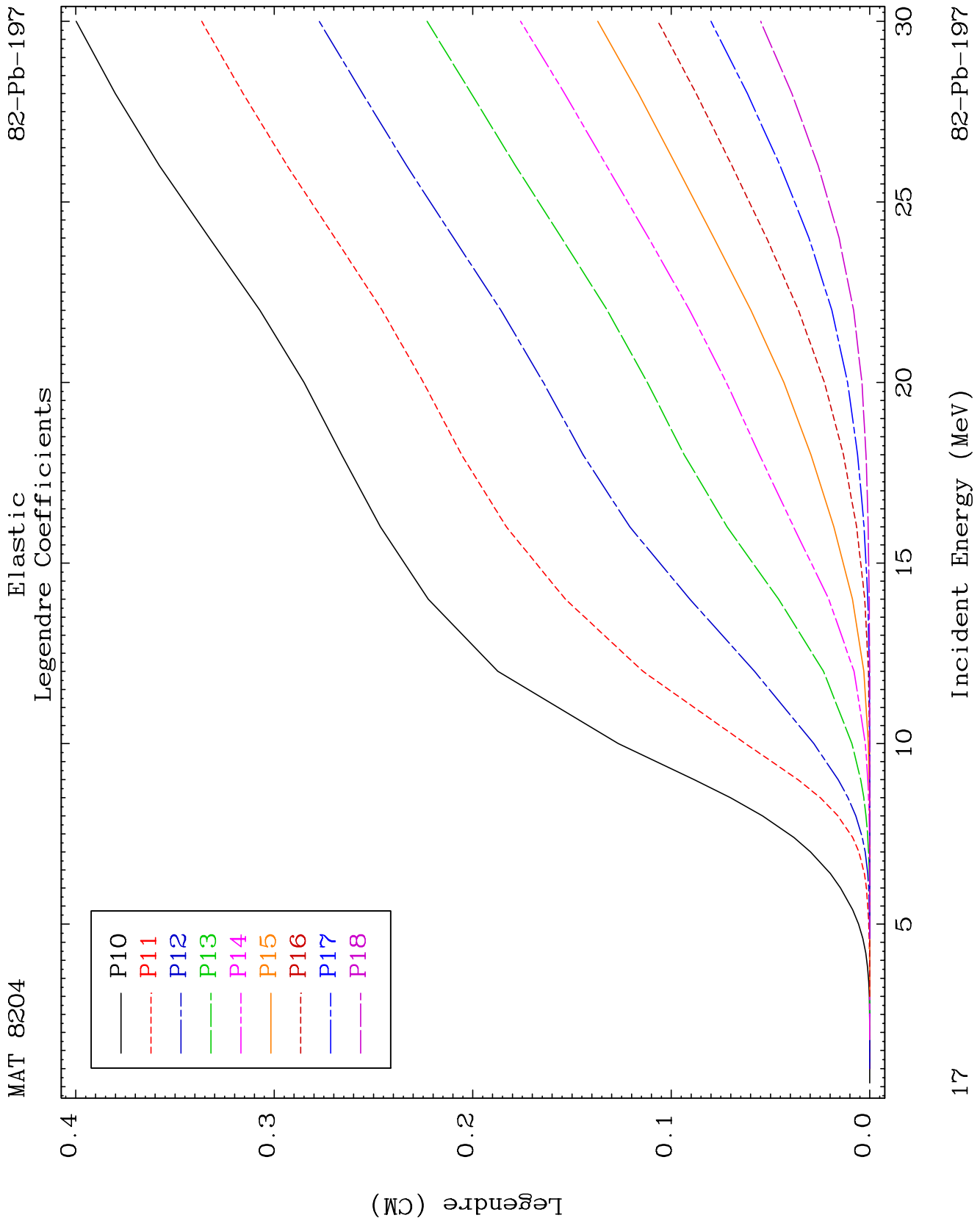
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Incident Energy (MeV)

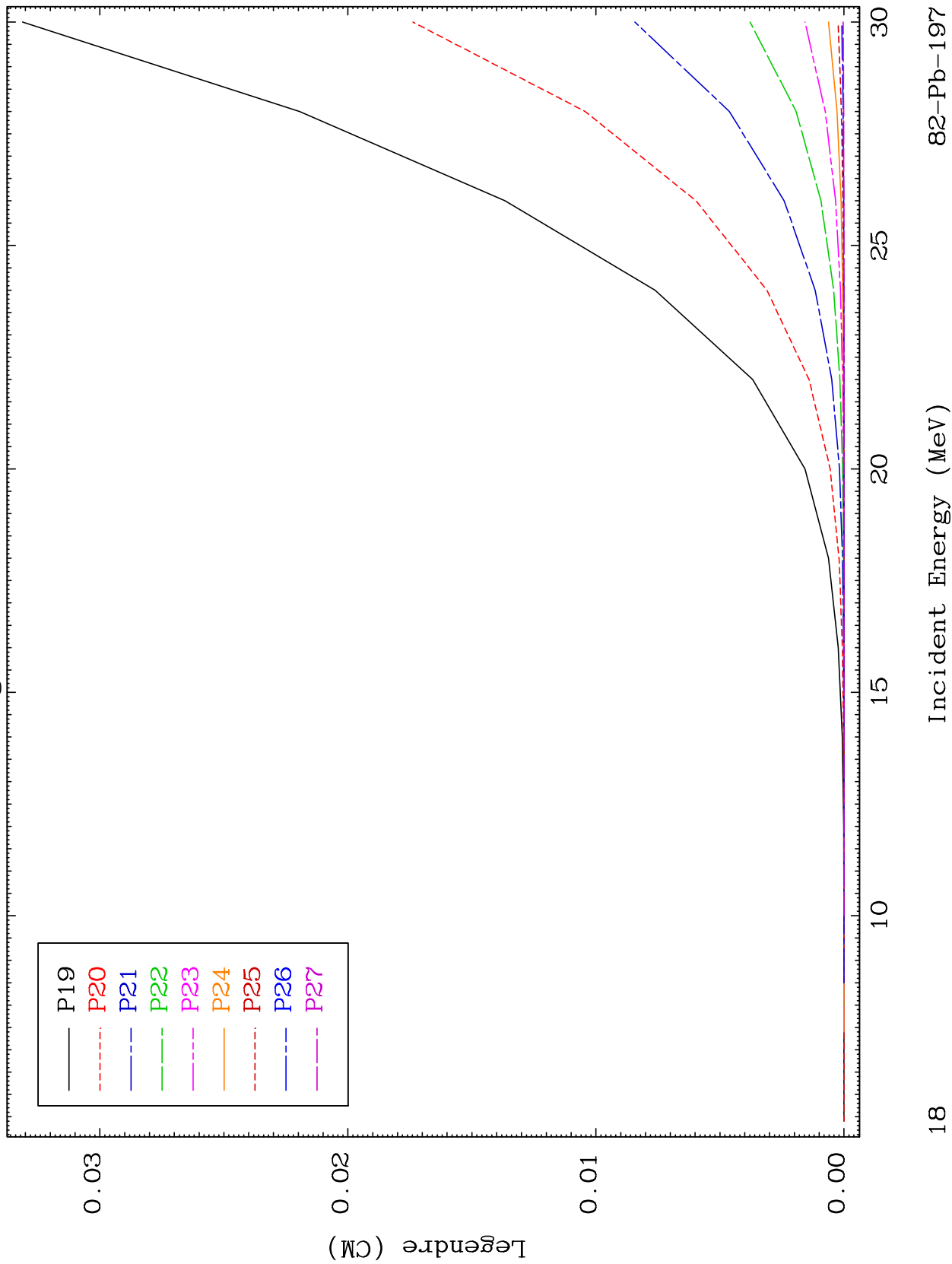
82-Pb-197



MAT 8204

### Elastic Legendre Coefficients

82-Pb-197



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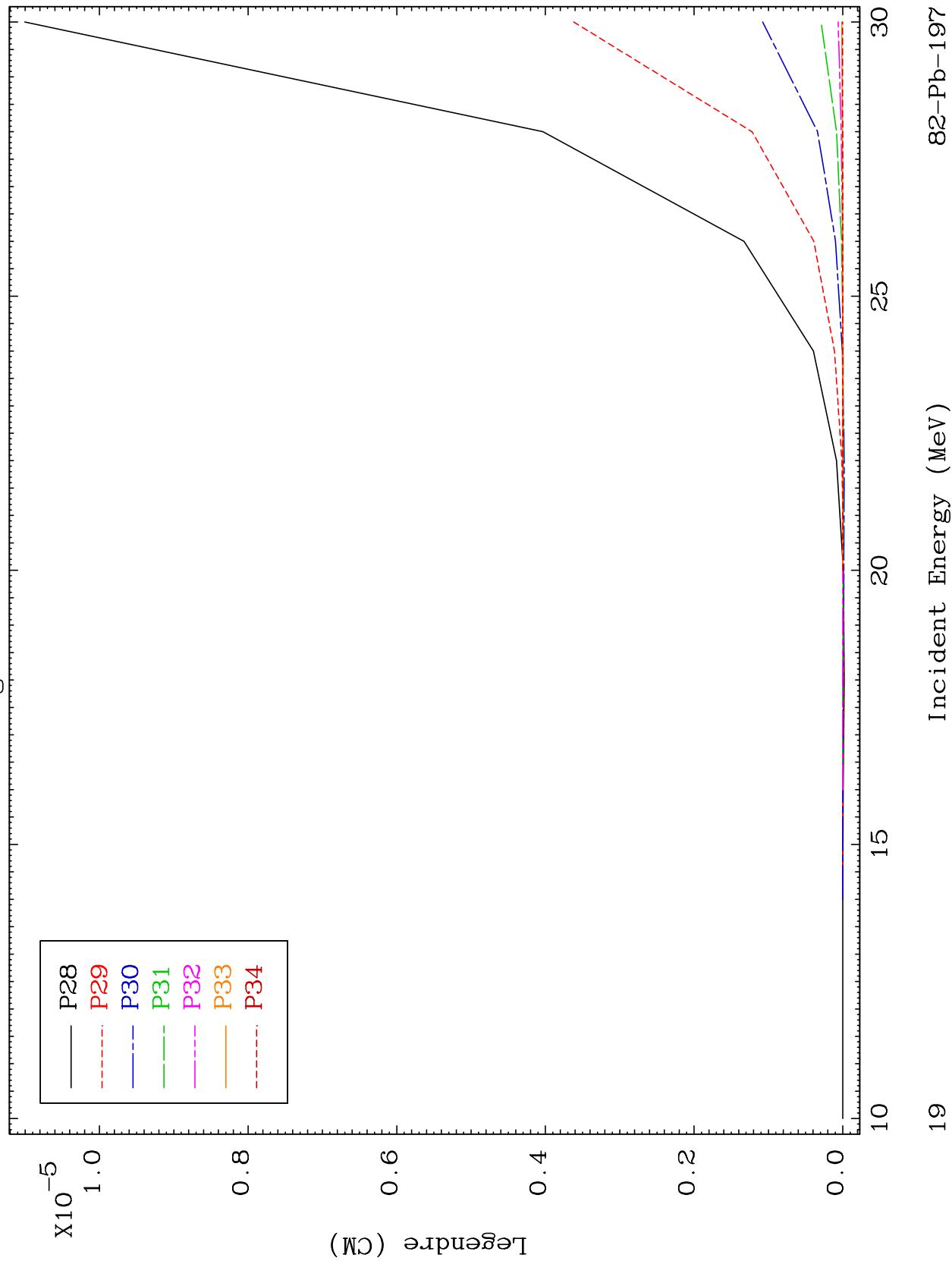
Incident Energy (MeV)

82-Pb-197

MAT 8204

Elastic Legendre Coefficients

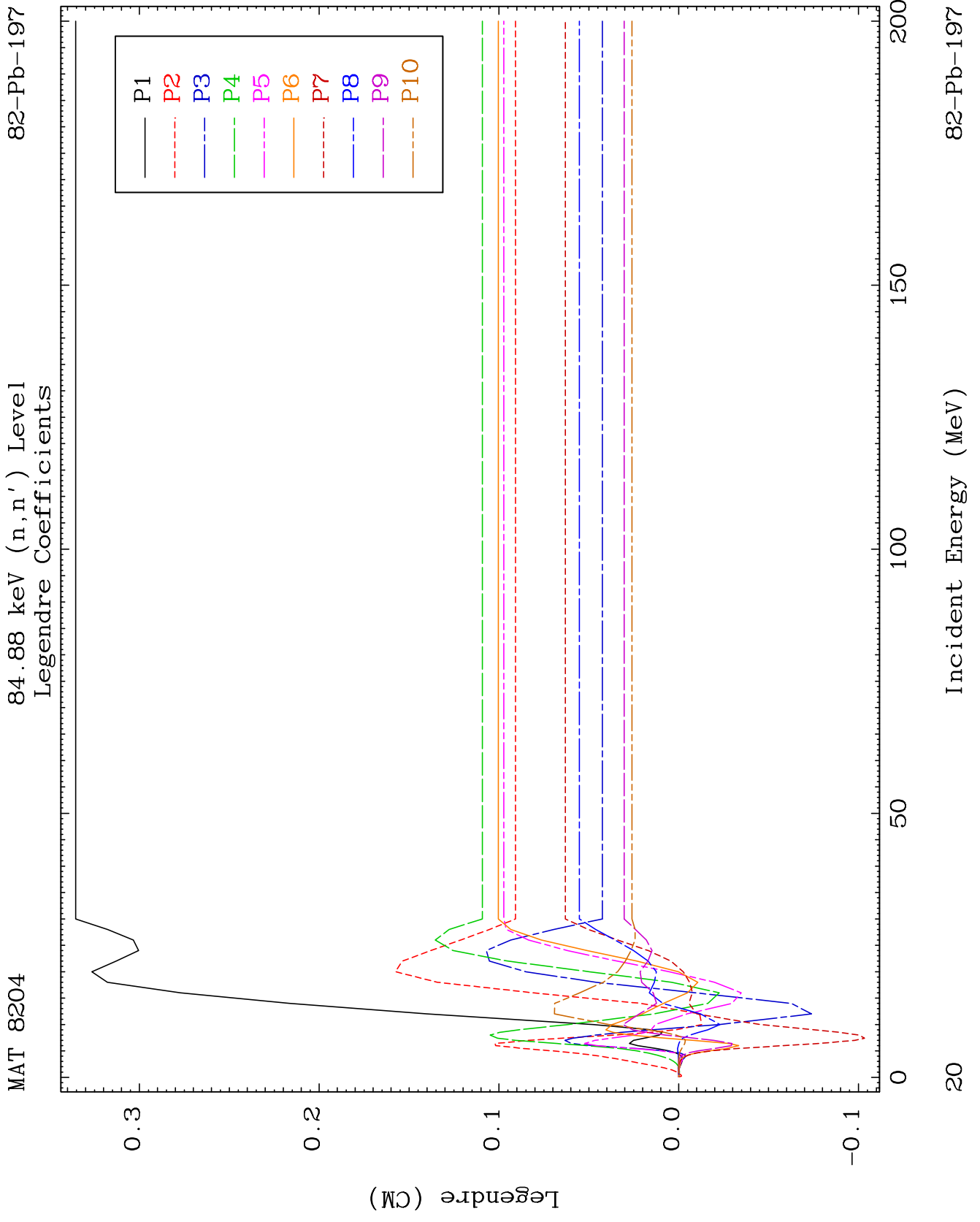
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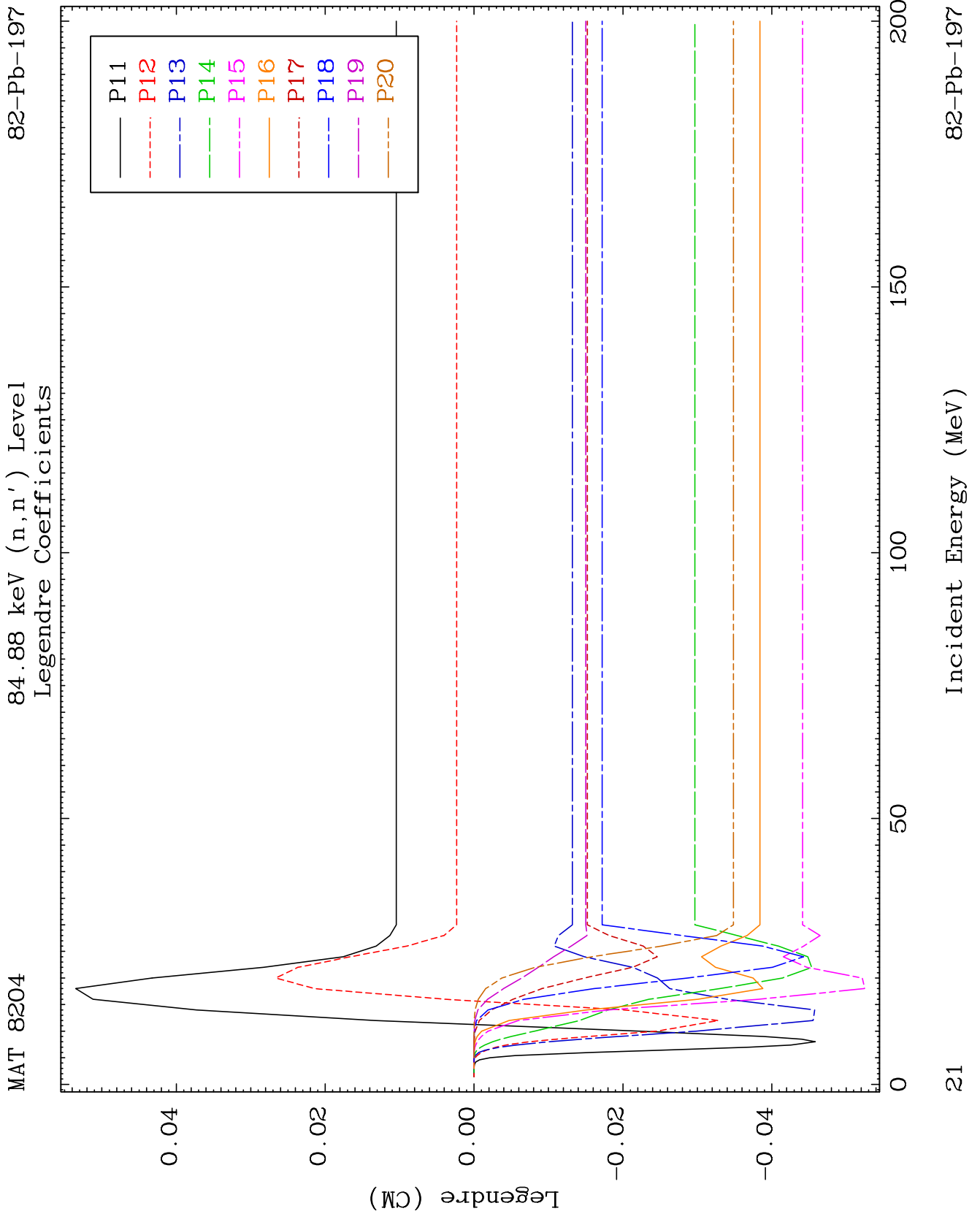


19

Incident Energy (MeV)

82-Pb-197

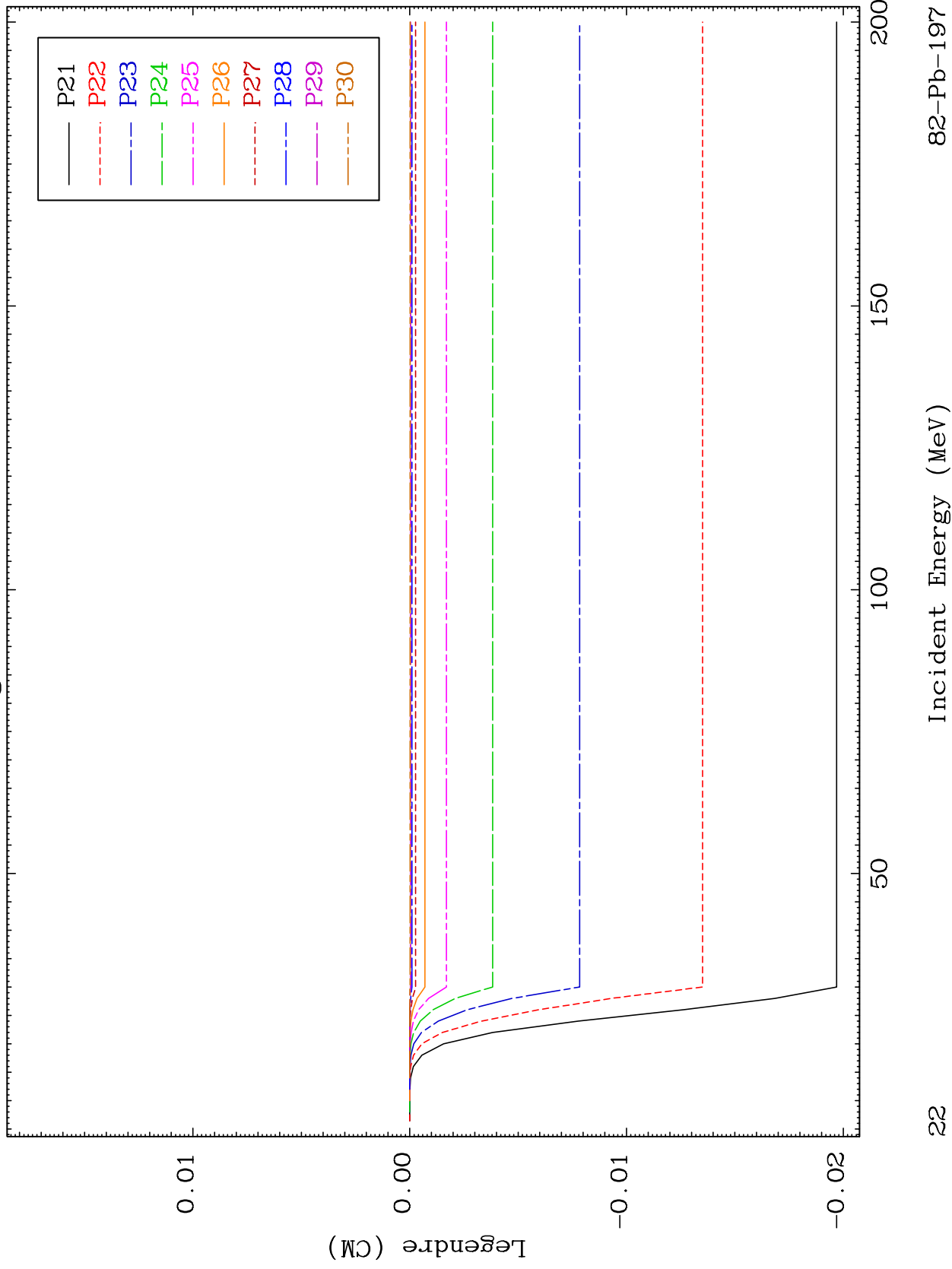




MAT 8204

84.88 keV (n,n') Level  
Legendre Coefficients

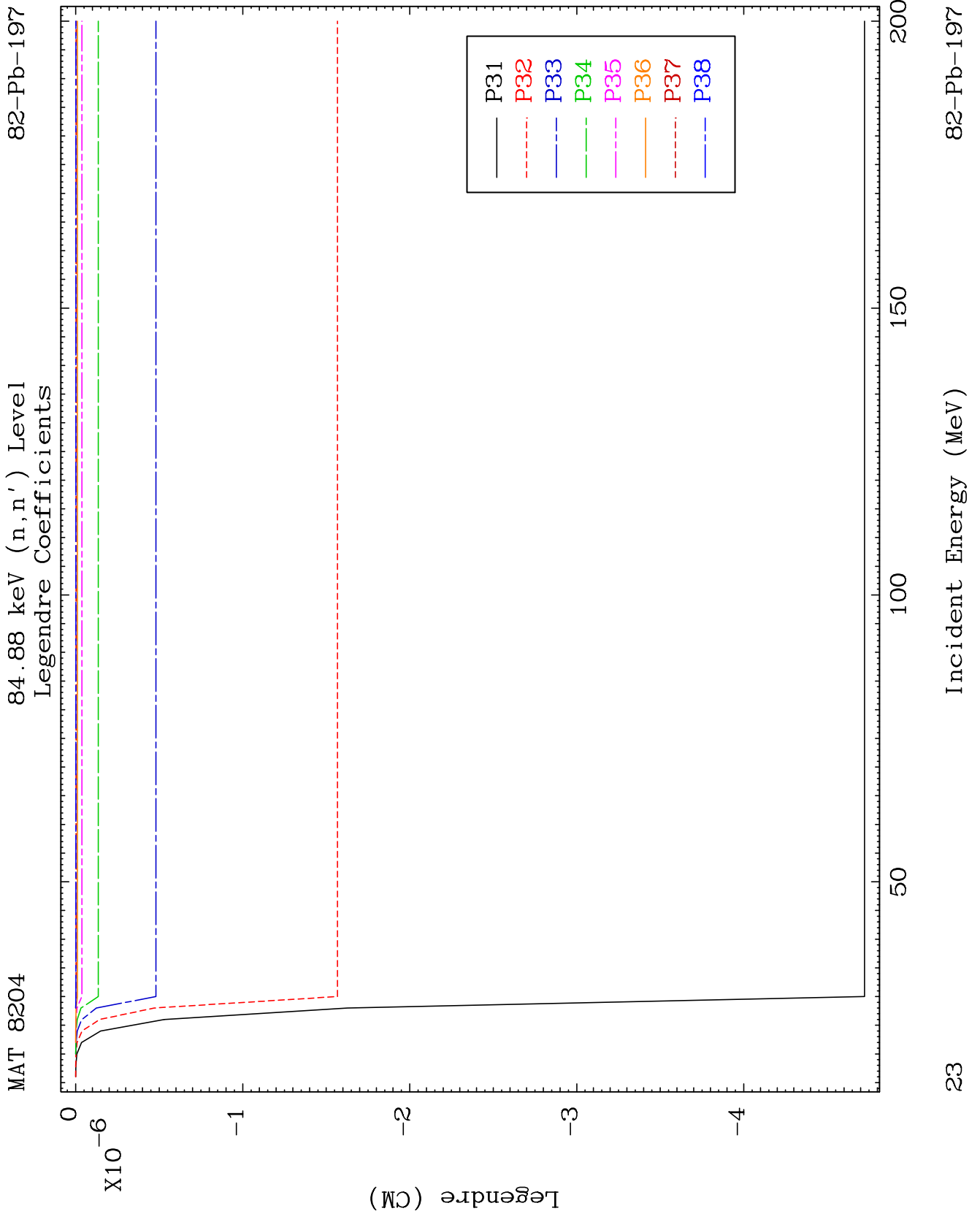
82-Pb-197



22

Incident Energy (MeV)

82-Pb-197

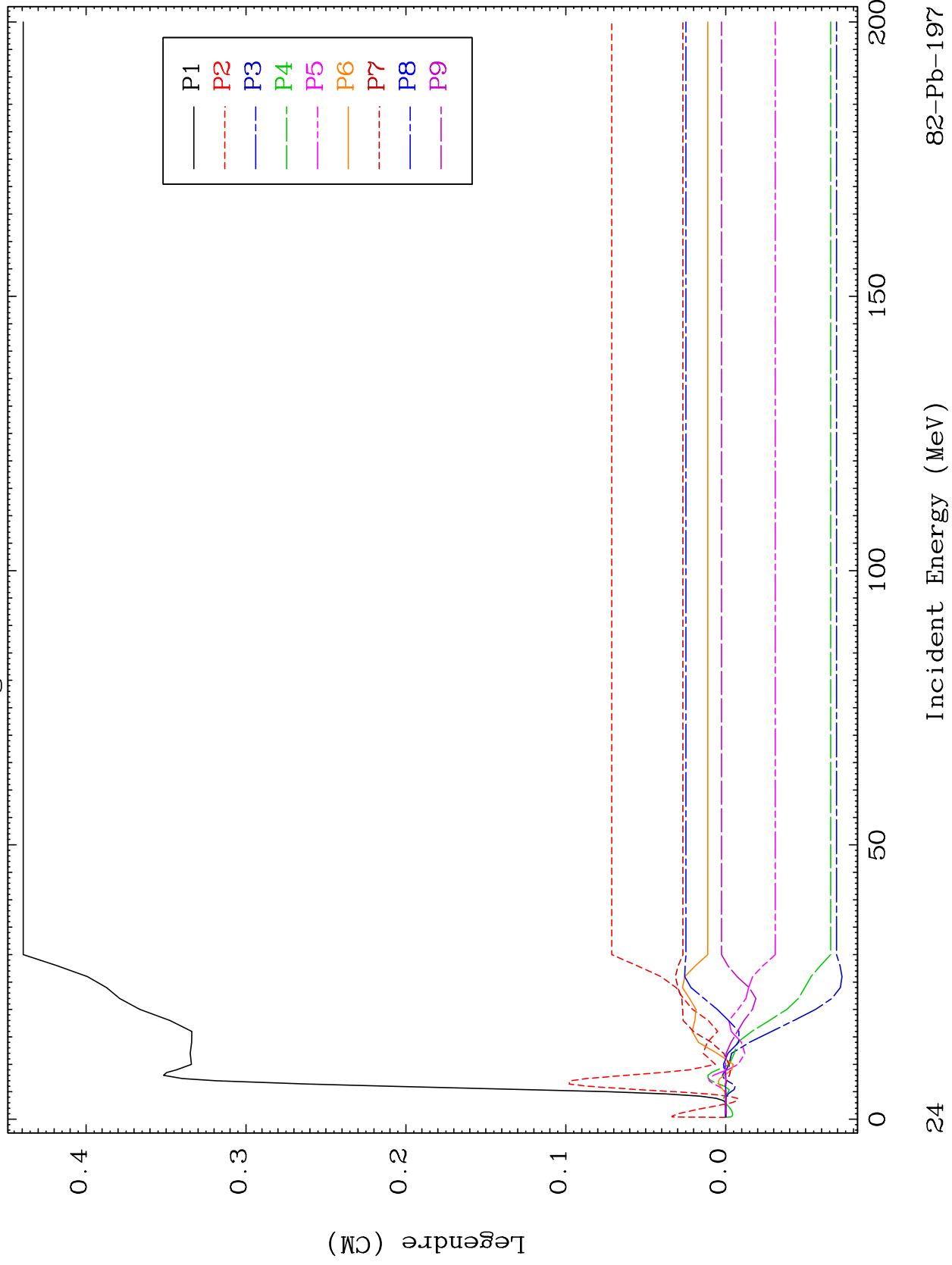




MAT 8204

319.3 keV (n,n') Level  
Legendre Coefficients

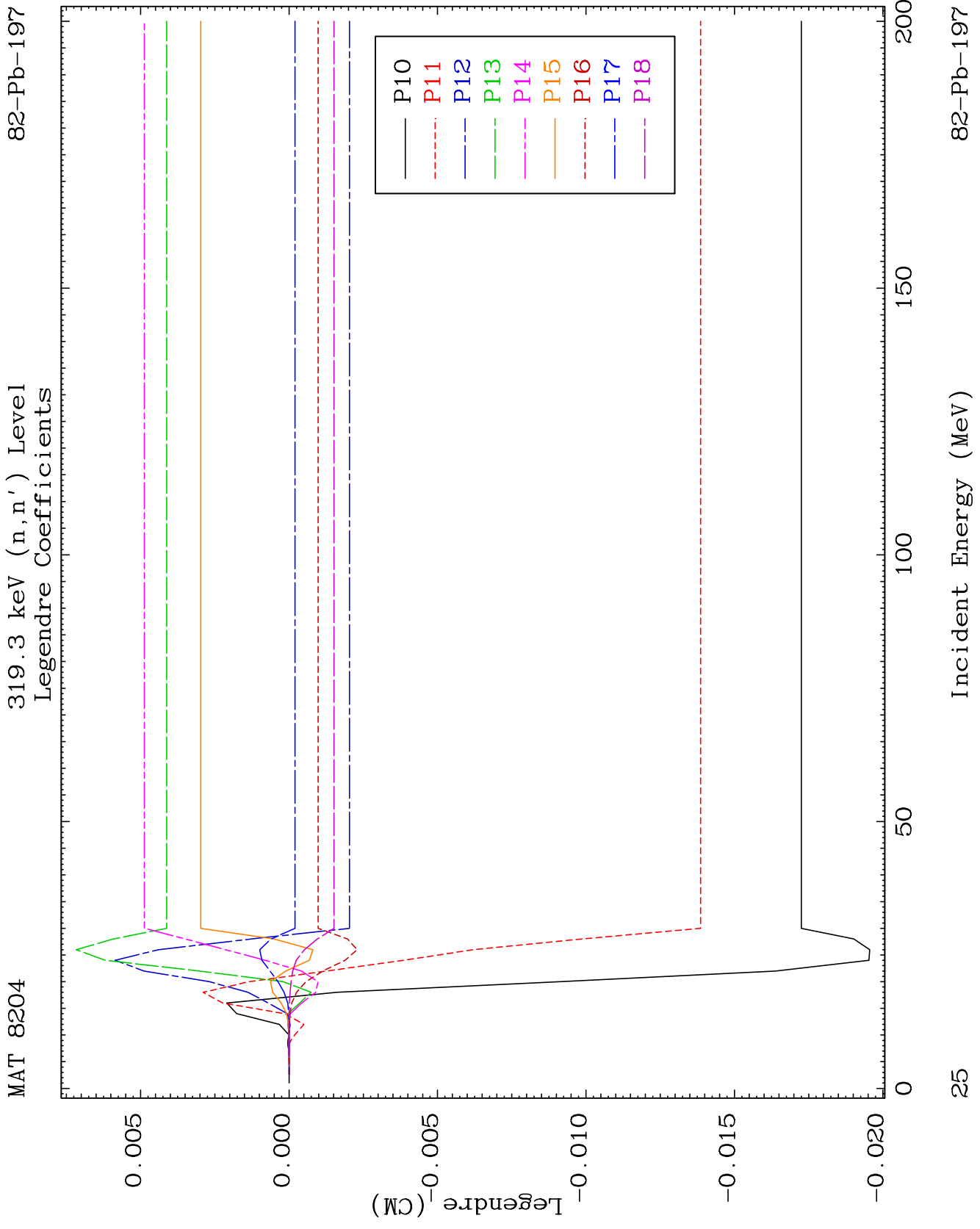
82-Pb-197



82-Pb-197

Incident Energy (MeV)

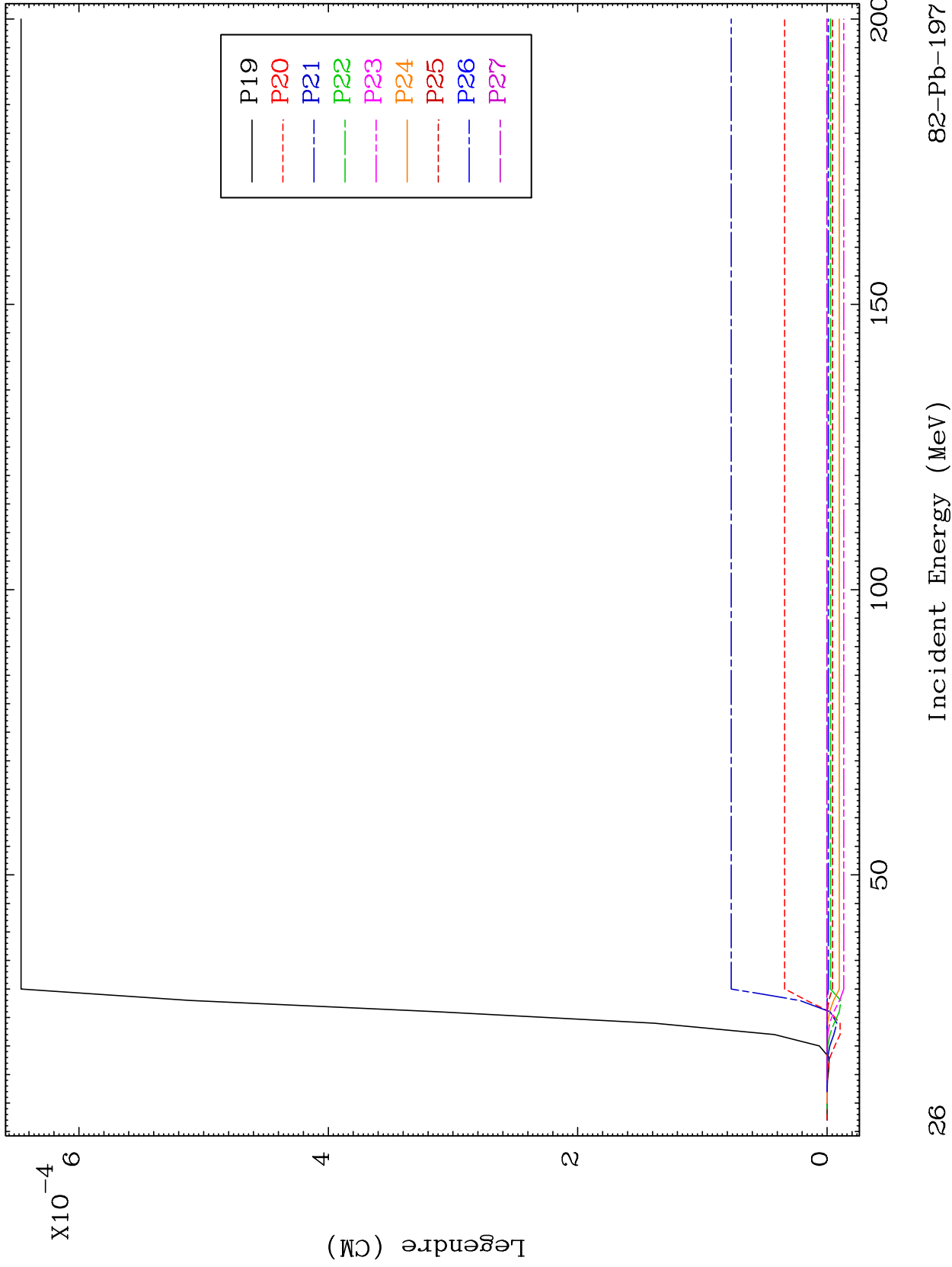
24



MAT 8204

319.3 keV (n,n') Level  
Legendre Coefficients

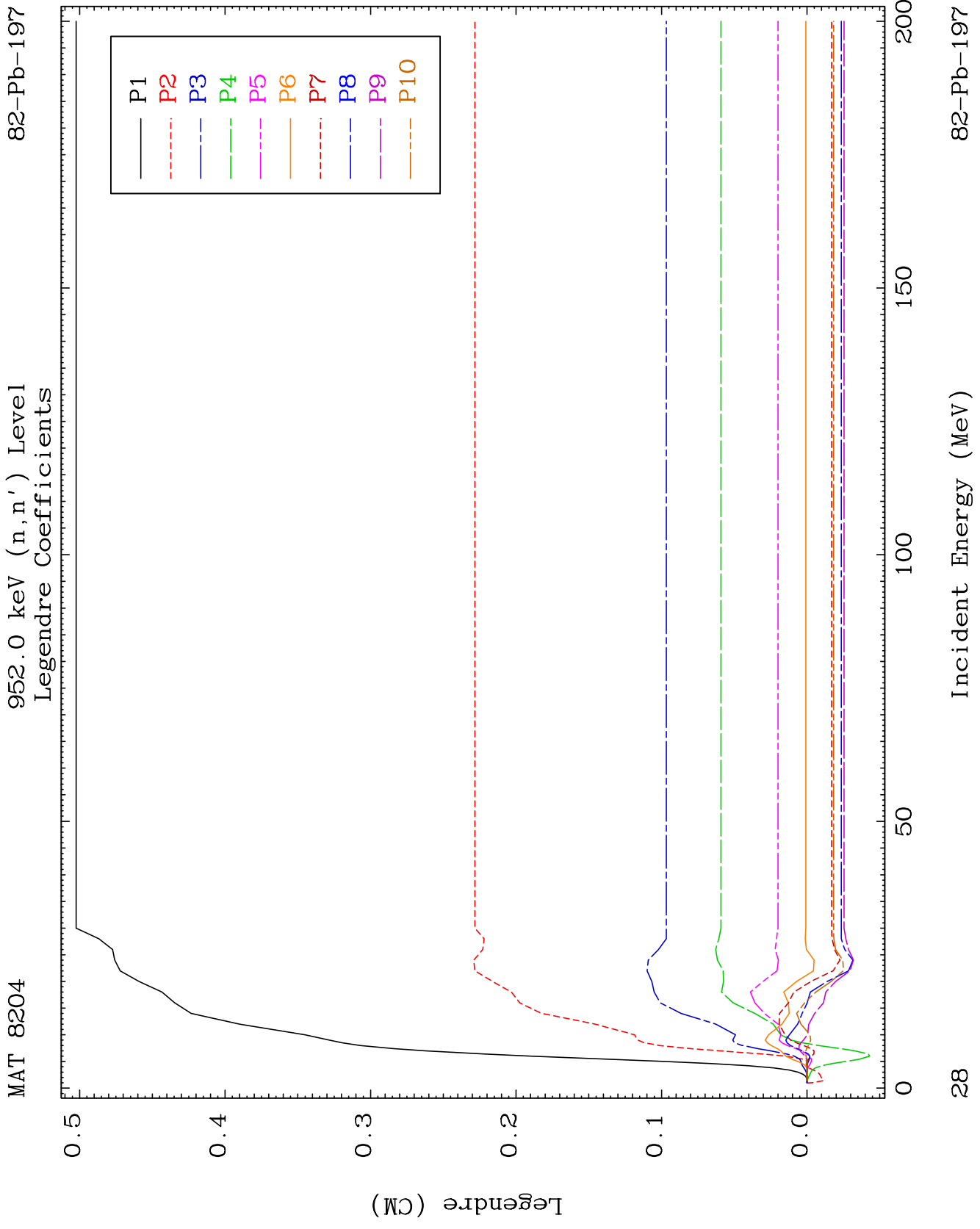
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82-Pb-197

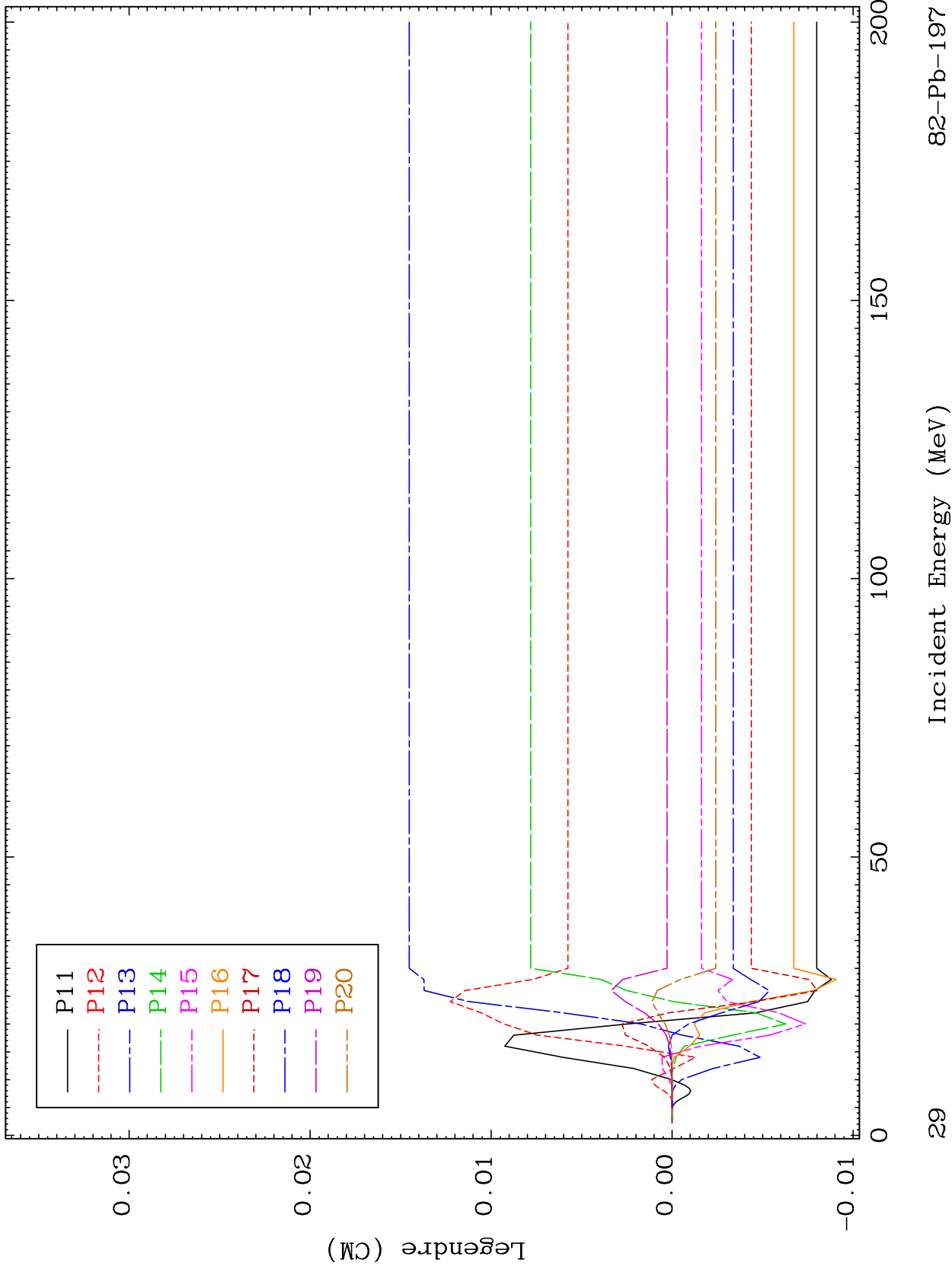




MAT 8204

952.0 keV (n,n') Level  
Legendre Coefficients

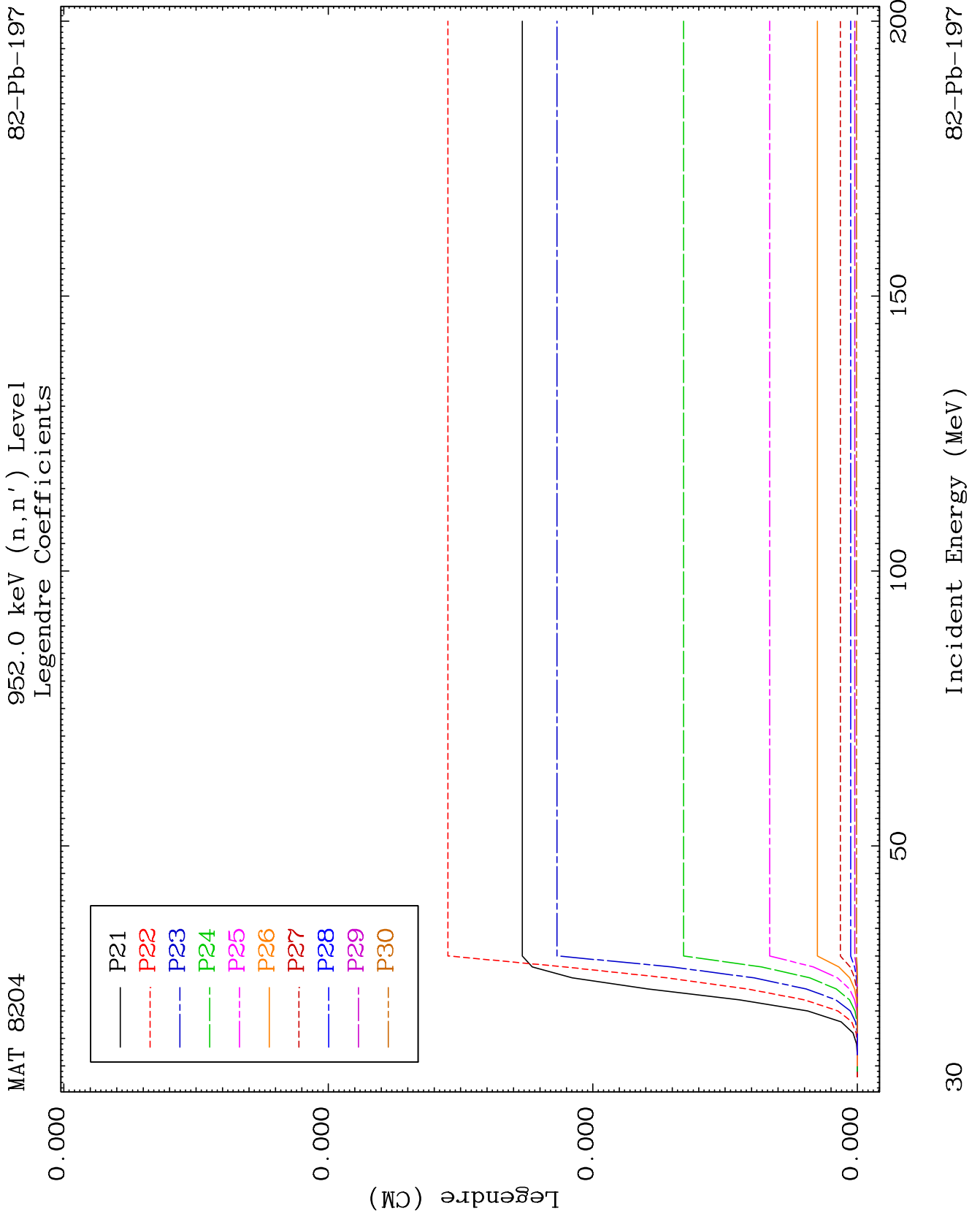
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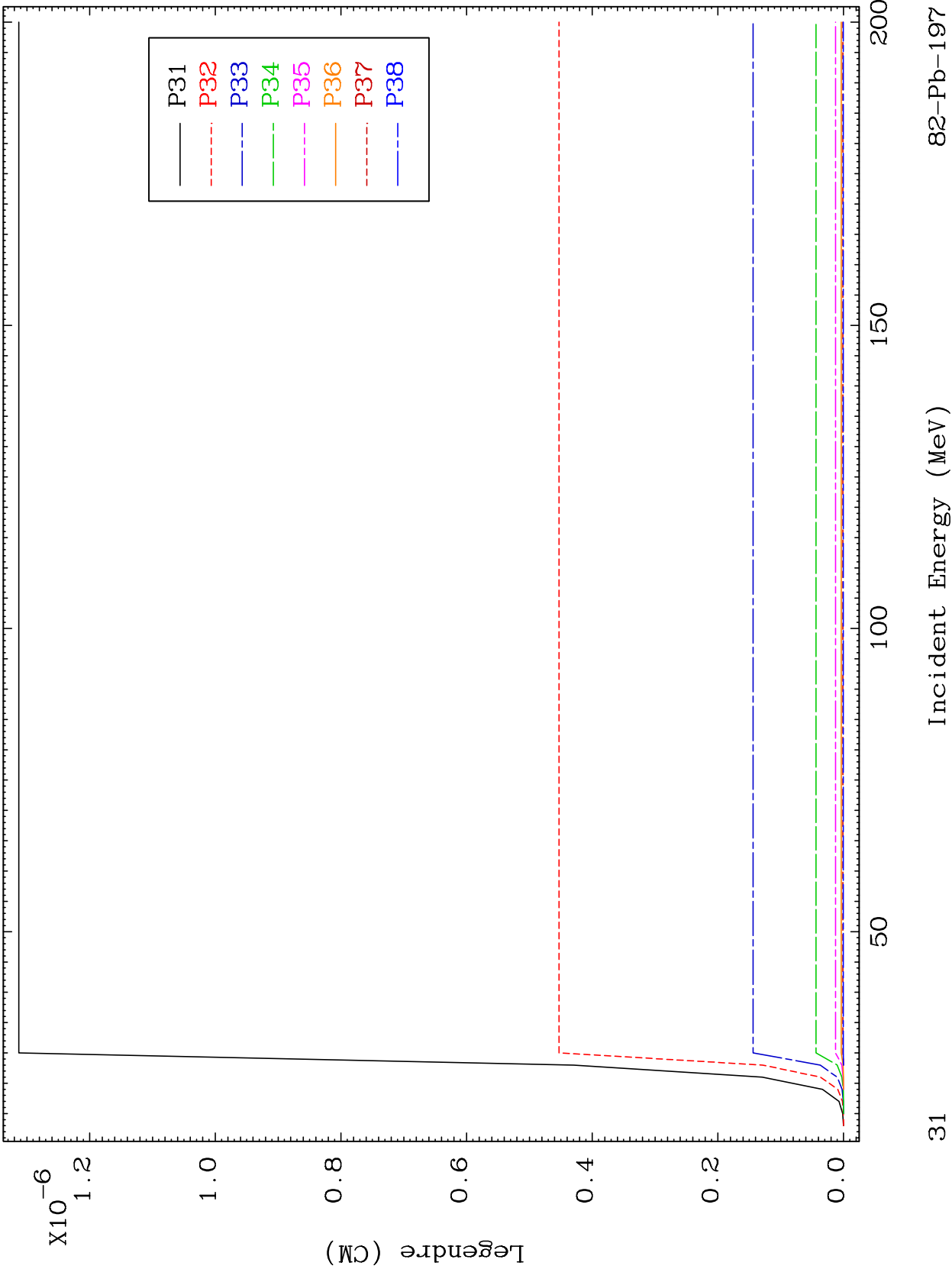


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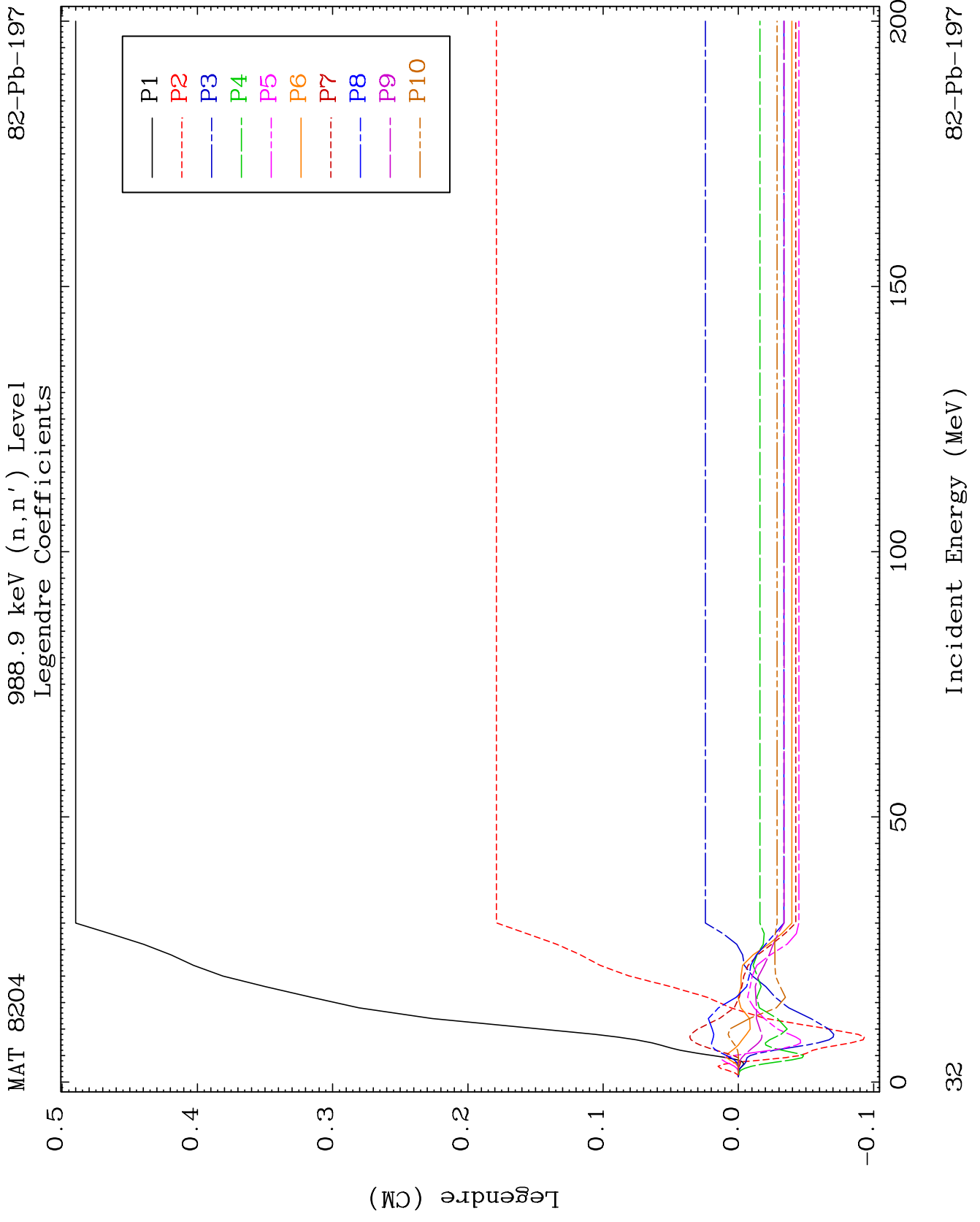
Incident Energy (MeV)

82-Pb-197





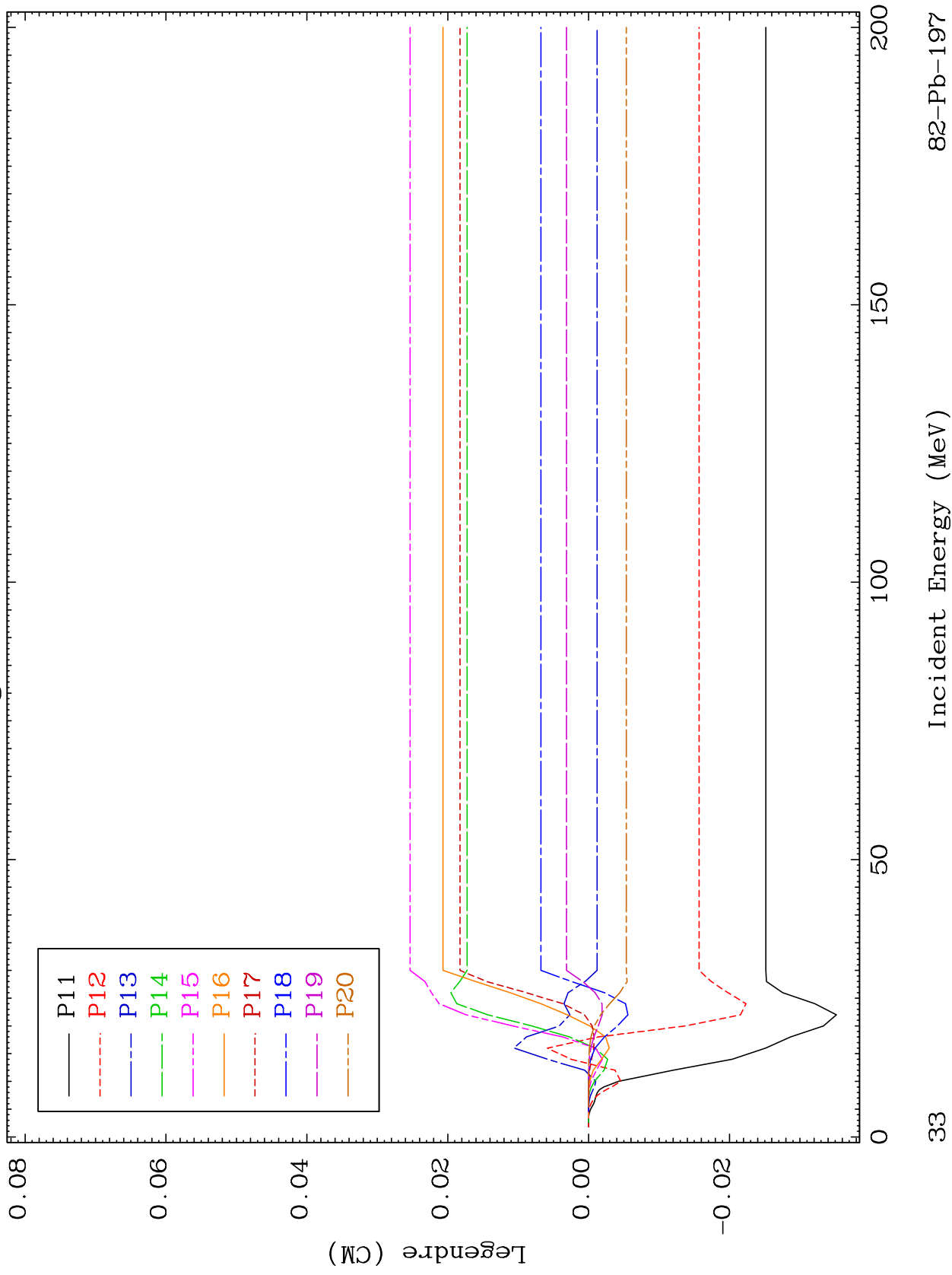




MAT 8204

988.9 keV (n,n') Level  
Legendre Coefficients

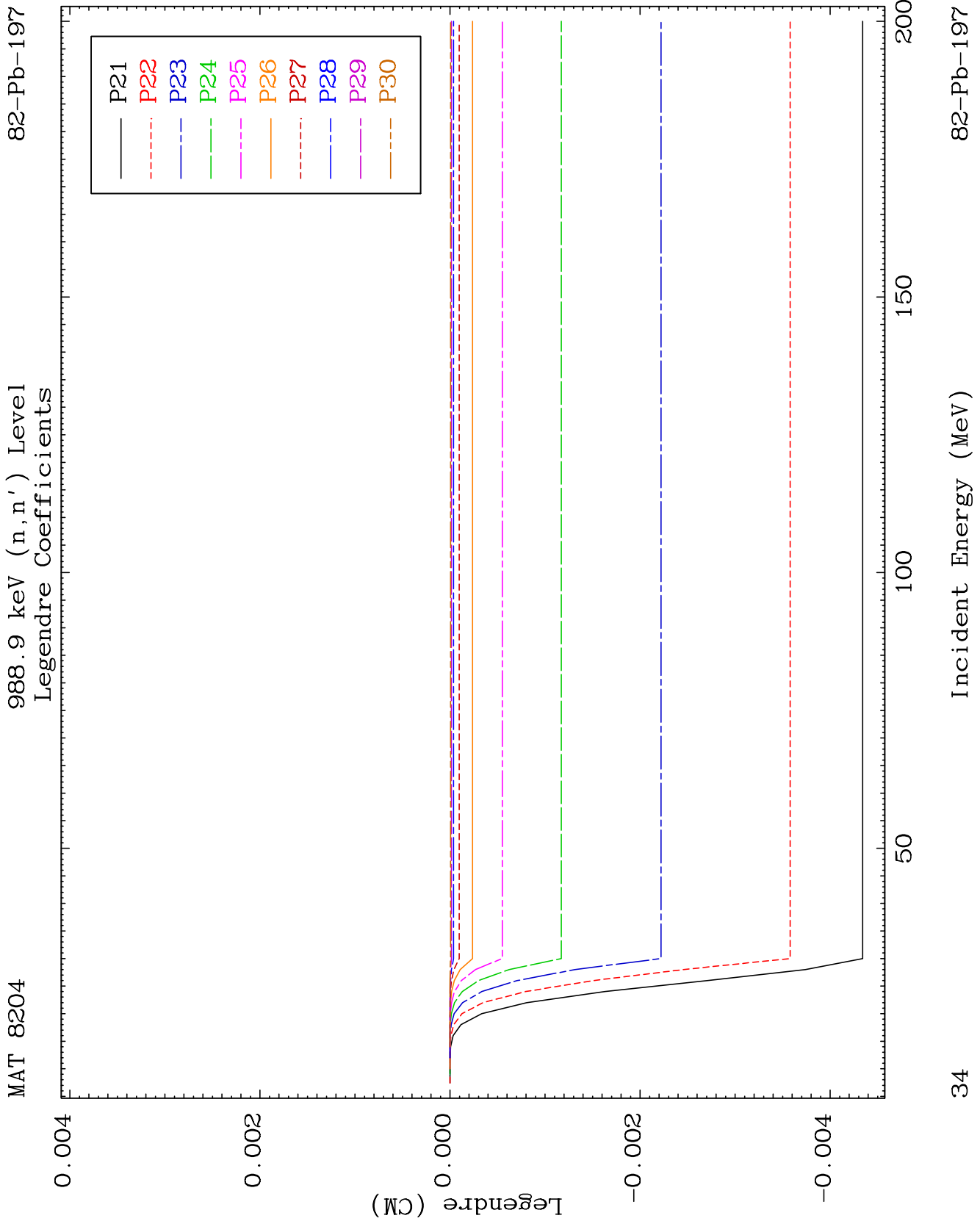
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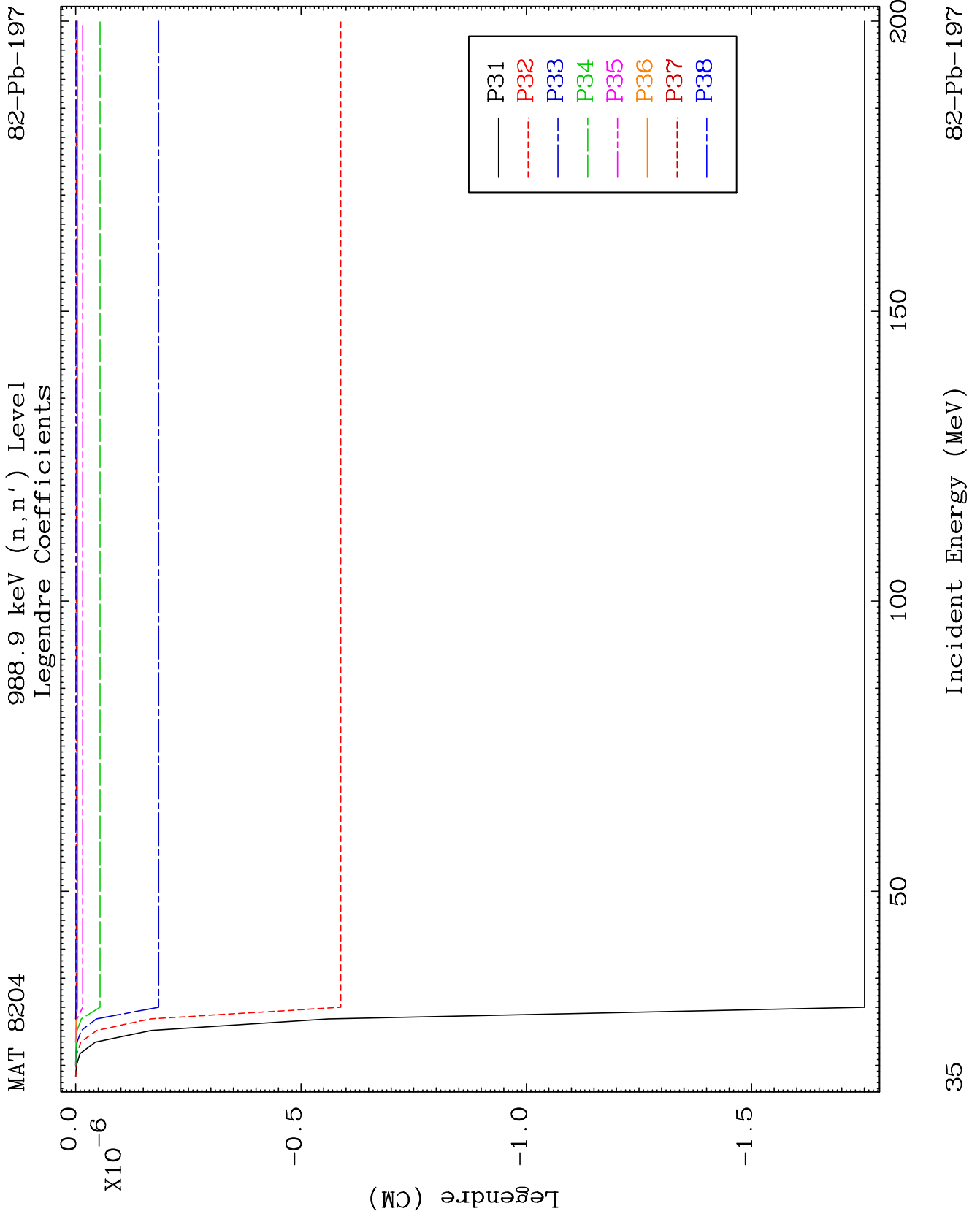


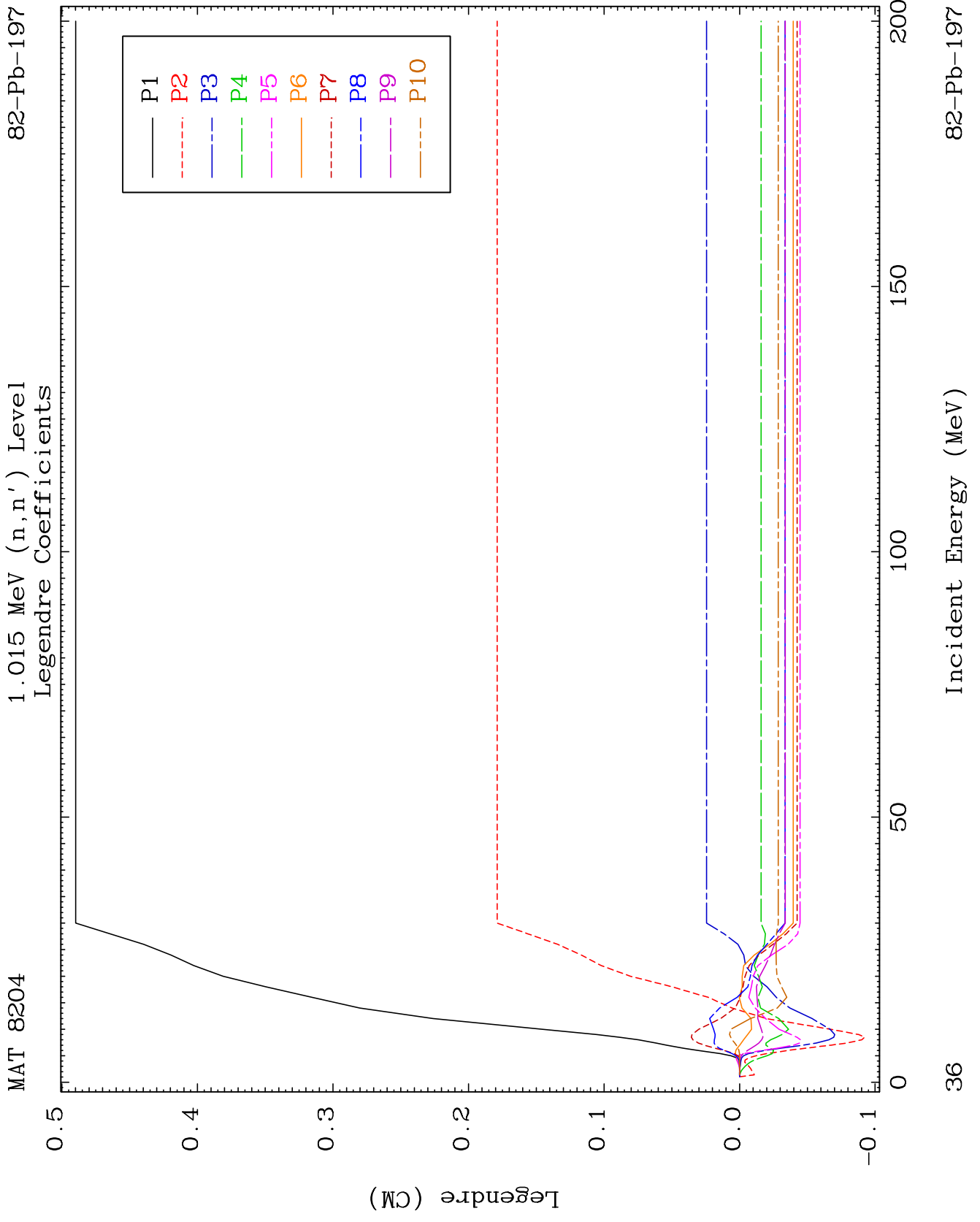
33

Incident Energy (MeV)

82-Pb-197



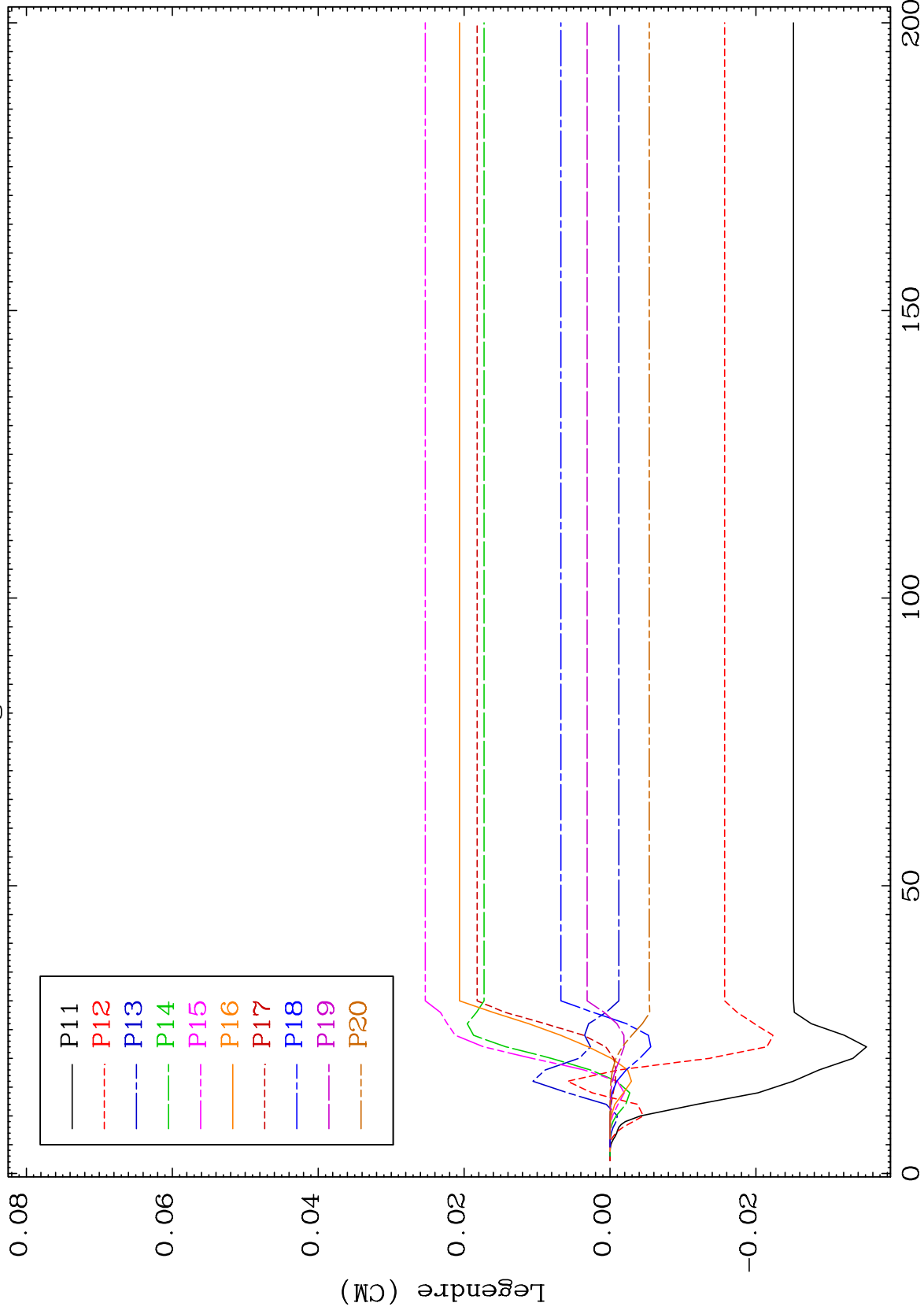




MAT 8204

1.015 MeV (n,n') Level  
Legendre Coefficients

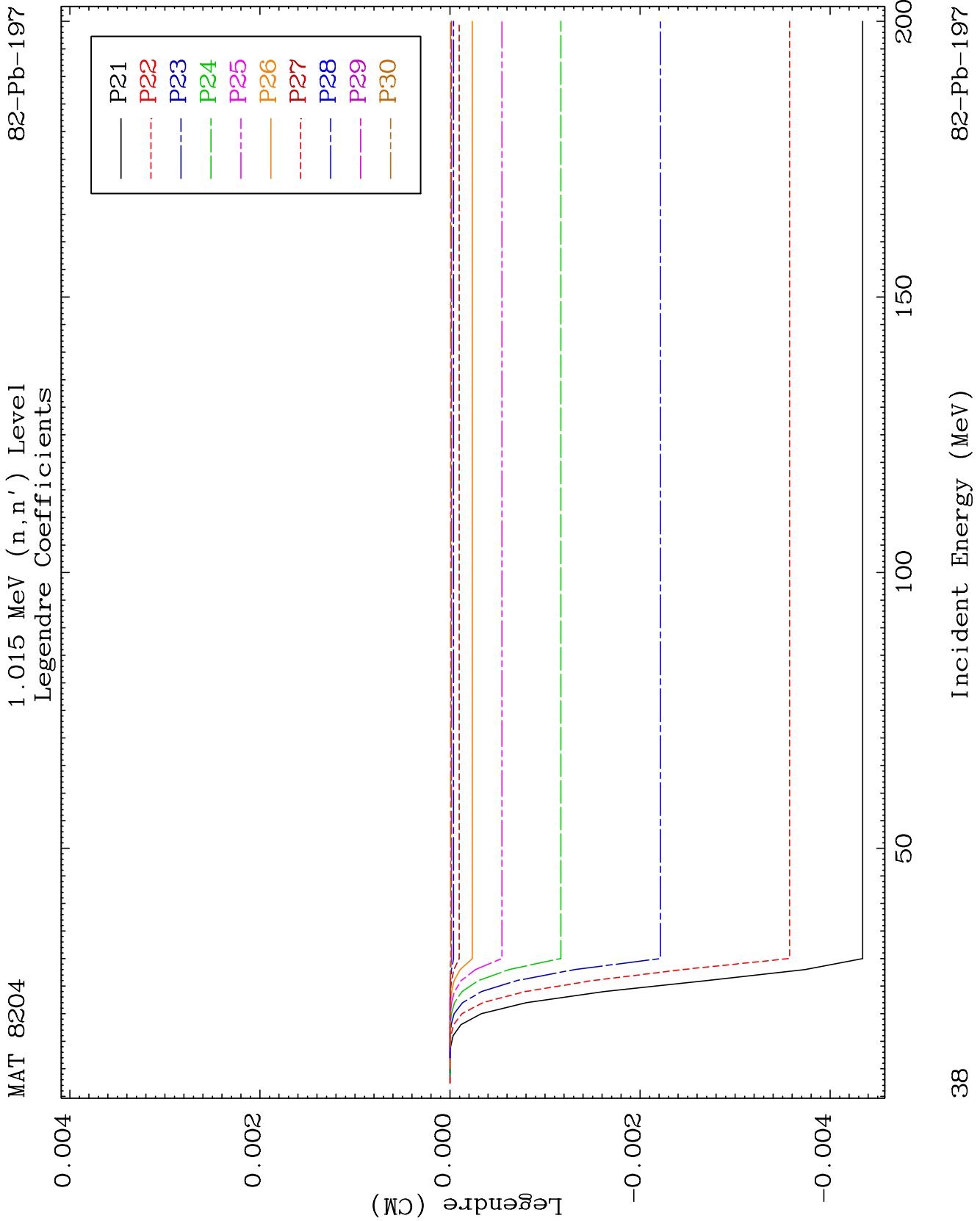
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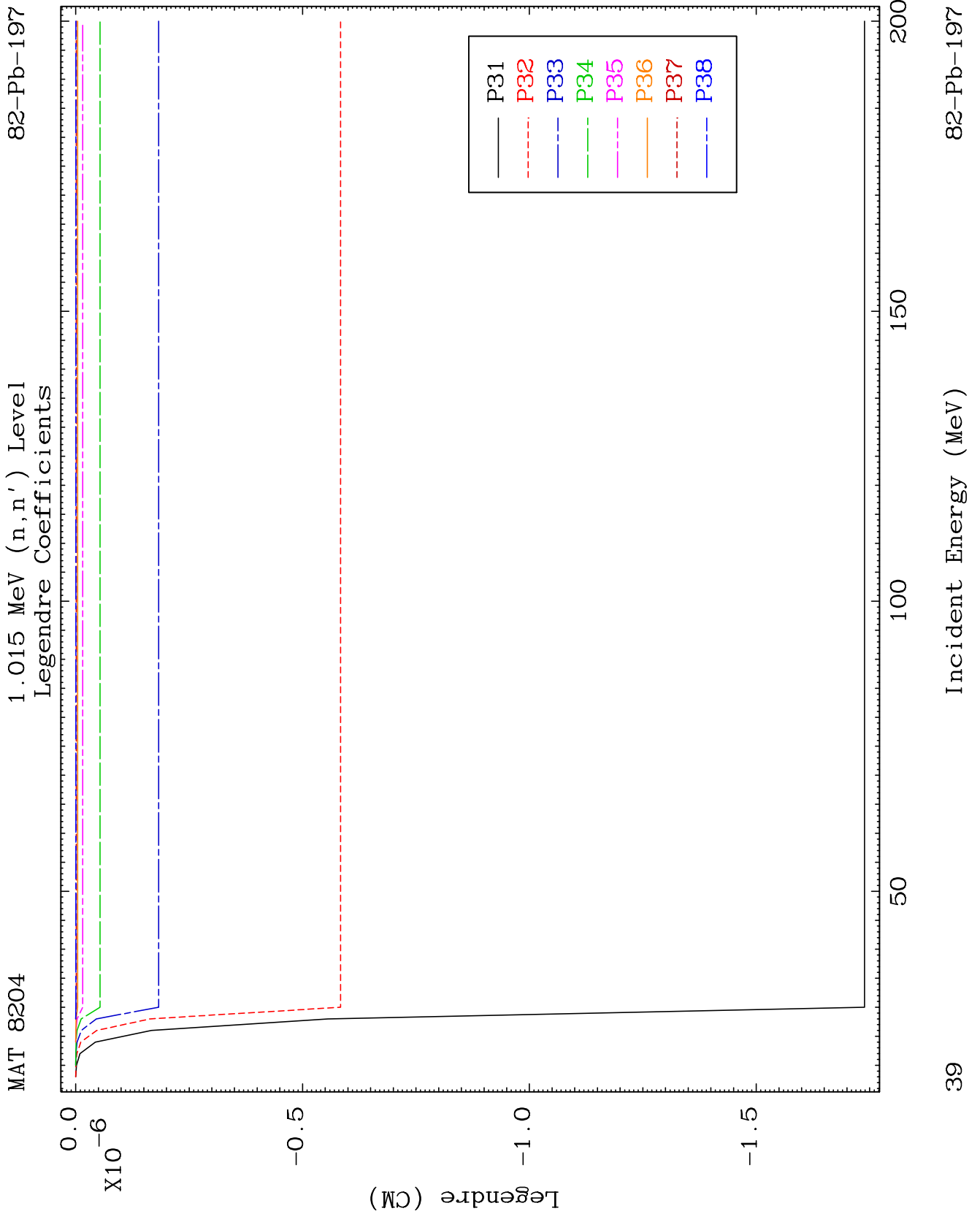


37

Incident Energy (MeV)

82-Pb-197



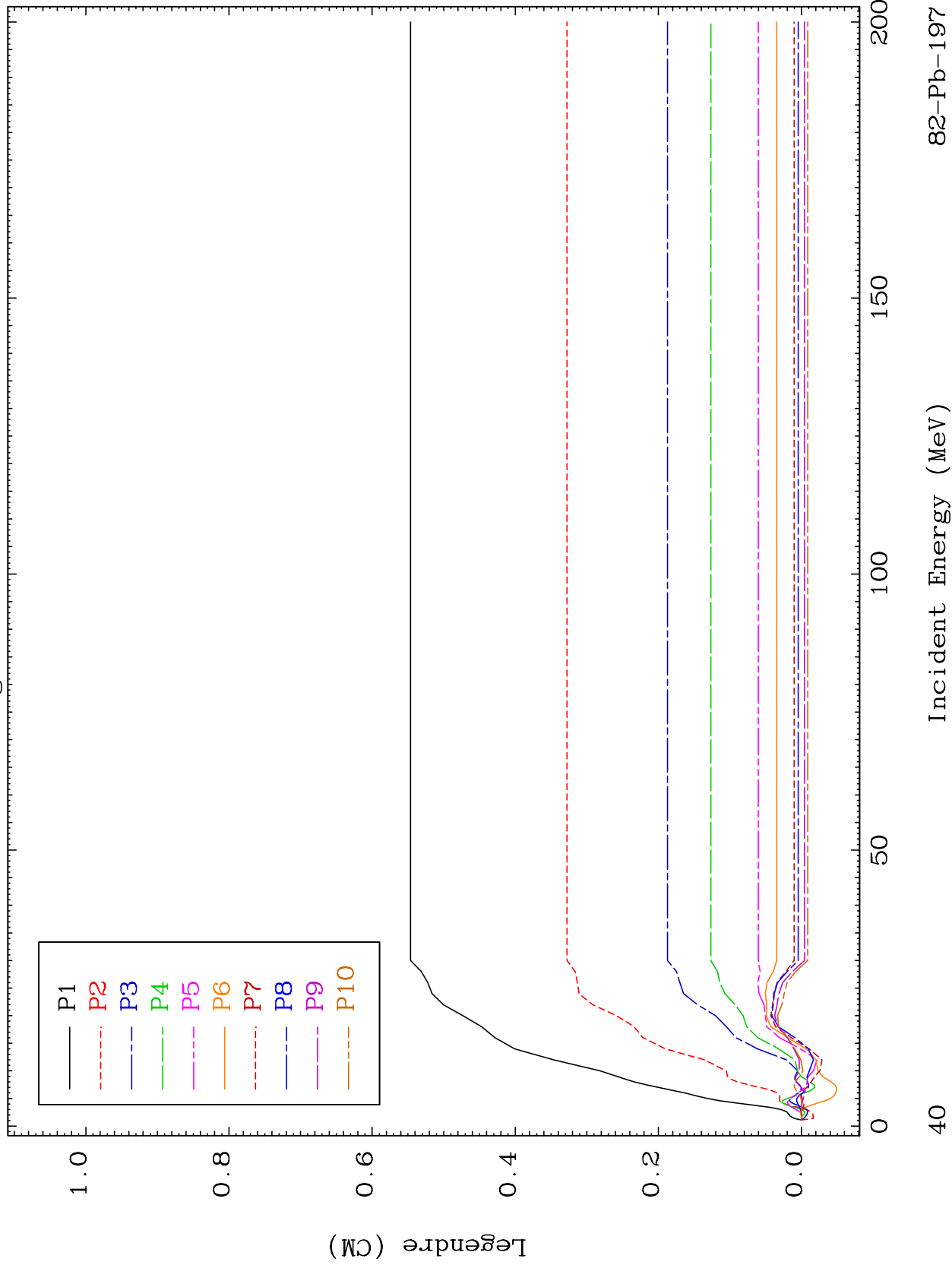




MAT 8204

1.079 MeV (n,n') Level  
Legendre Coefficients

82-Pb-197



82-Pb-197

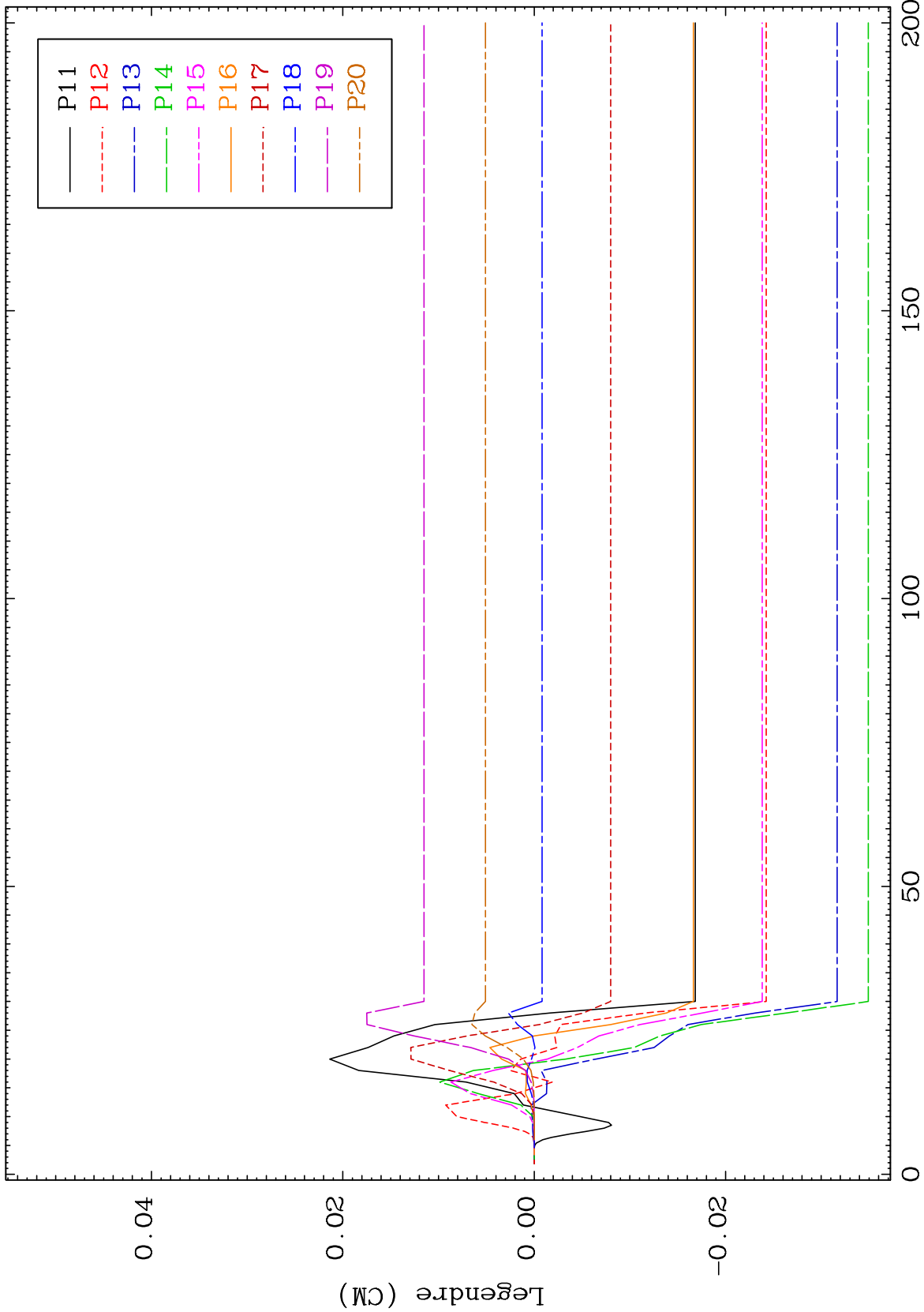
Incident Energy (MeV)

40

MAT 8204

1.079 MeV (n,n') Level  
Legendre Coefficients

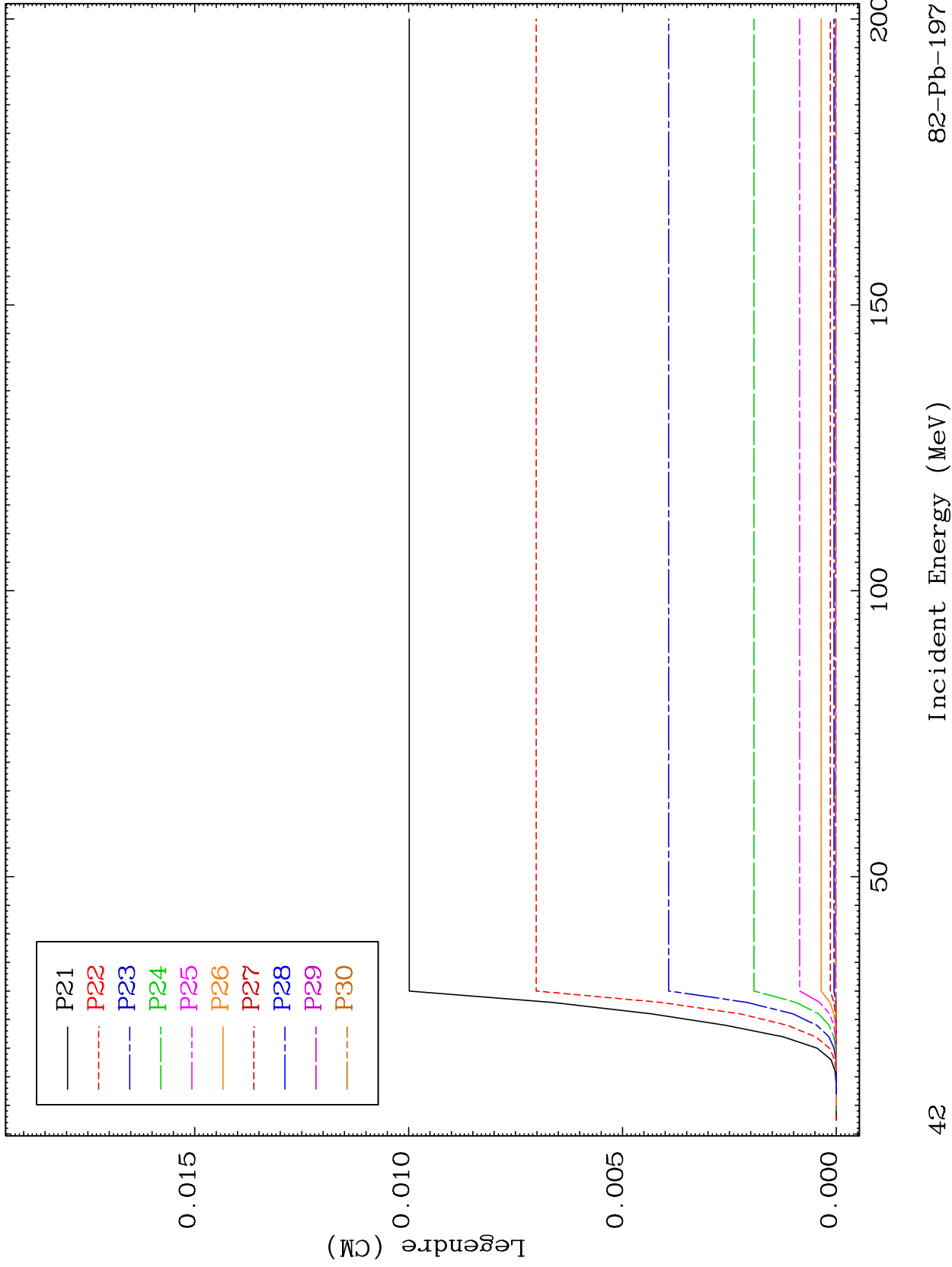
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MAT 8204

1.079 MeV (n,n') Level  
Legendre Coefficients

82-Pb-197



42

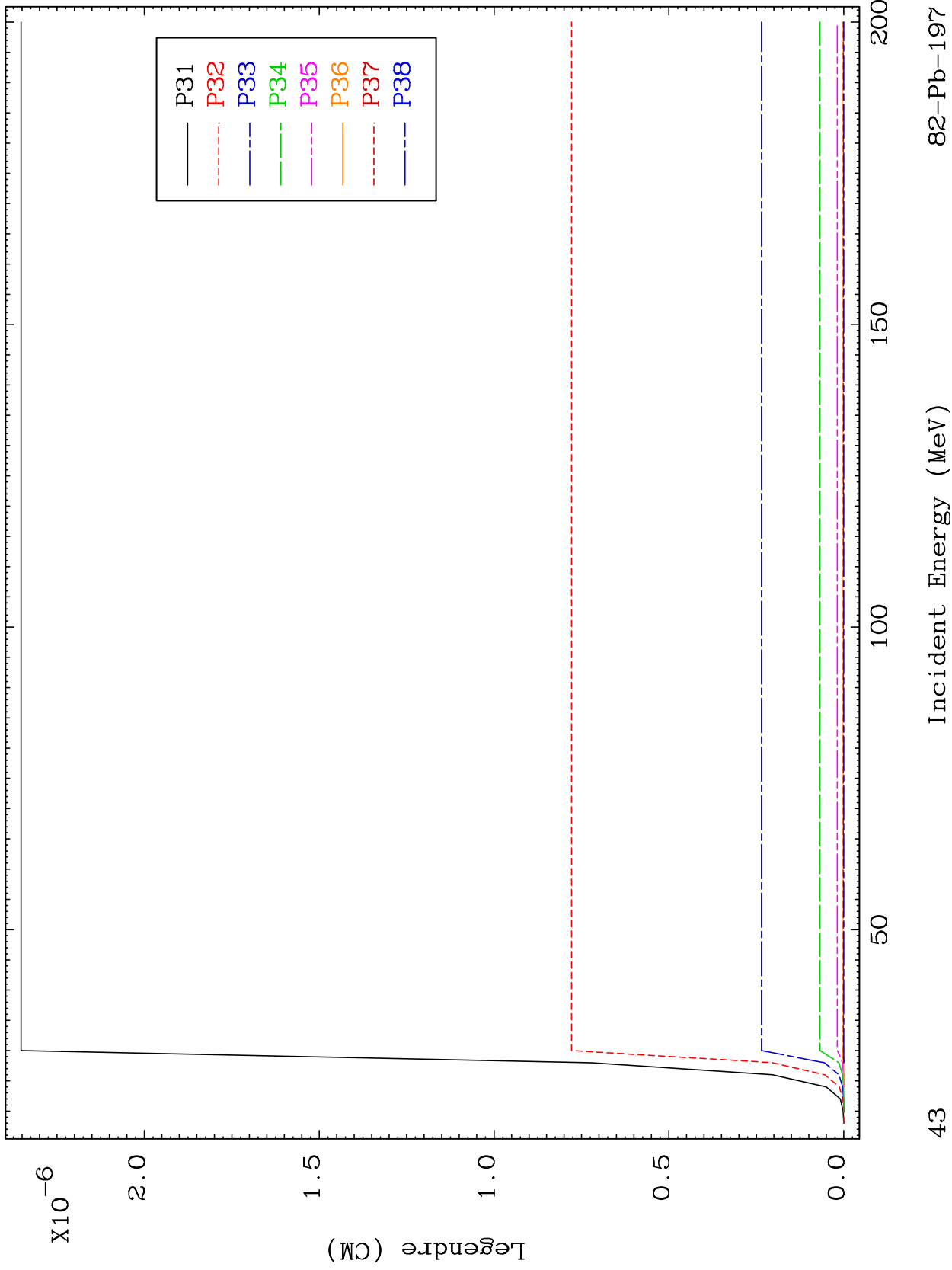
Incident Energy (MeV)

82-Pb-197

MAT 8204

1.079 MeV (n, n') Level  
Legendre Coefficients

82-Pb-197

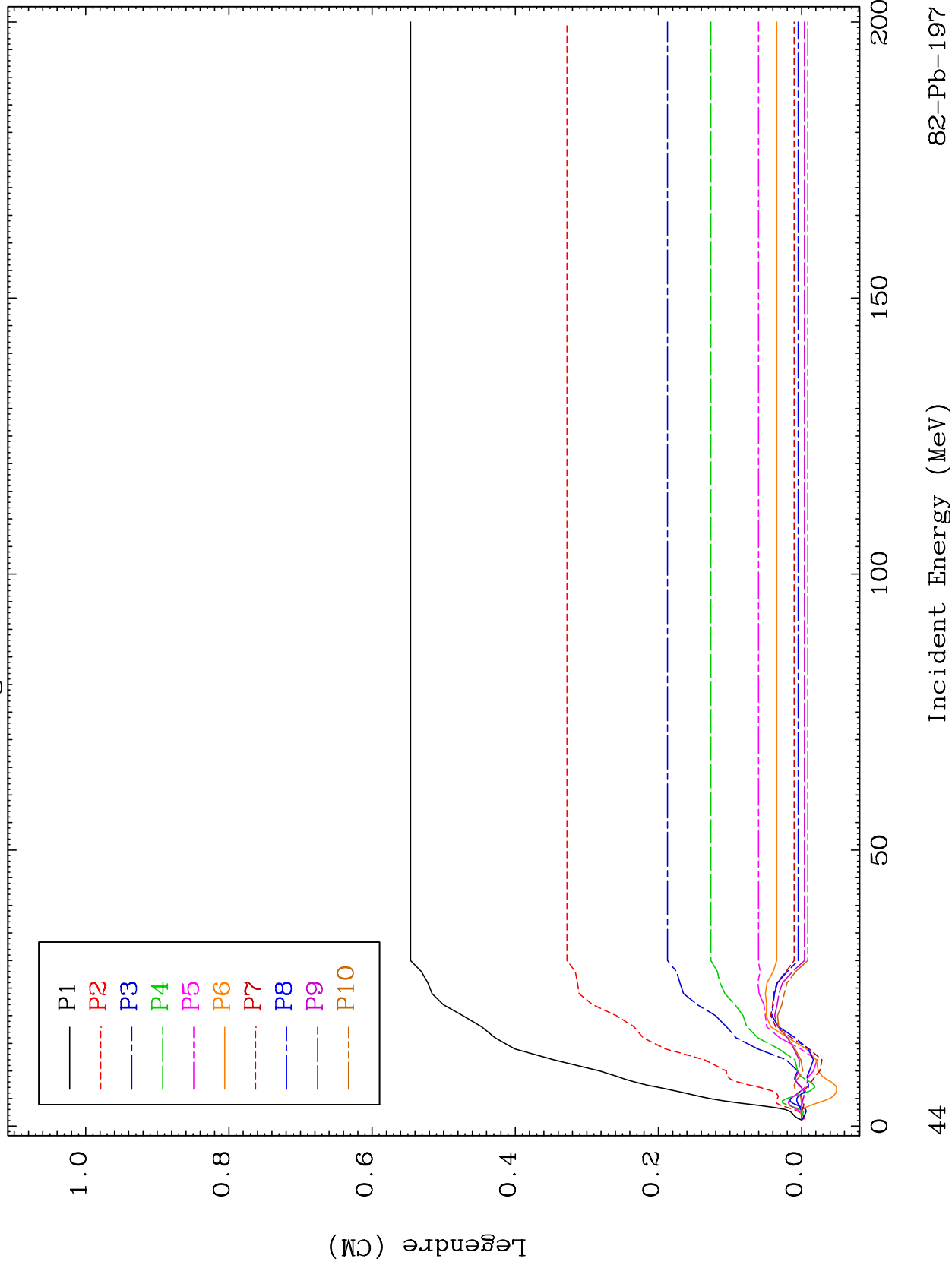


43

MAT 8204

1.089 MeV (n,n') Level  
Legendre Coefficients

82-Pb-197

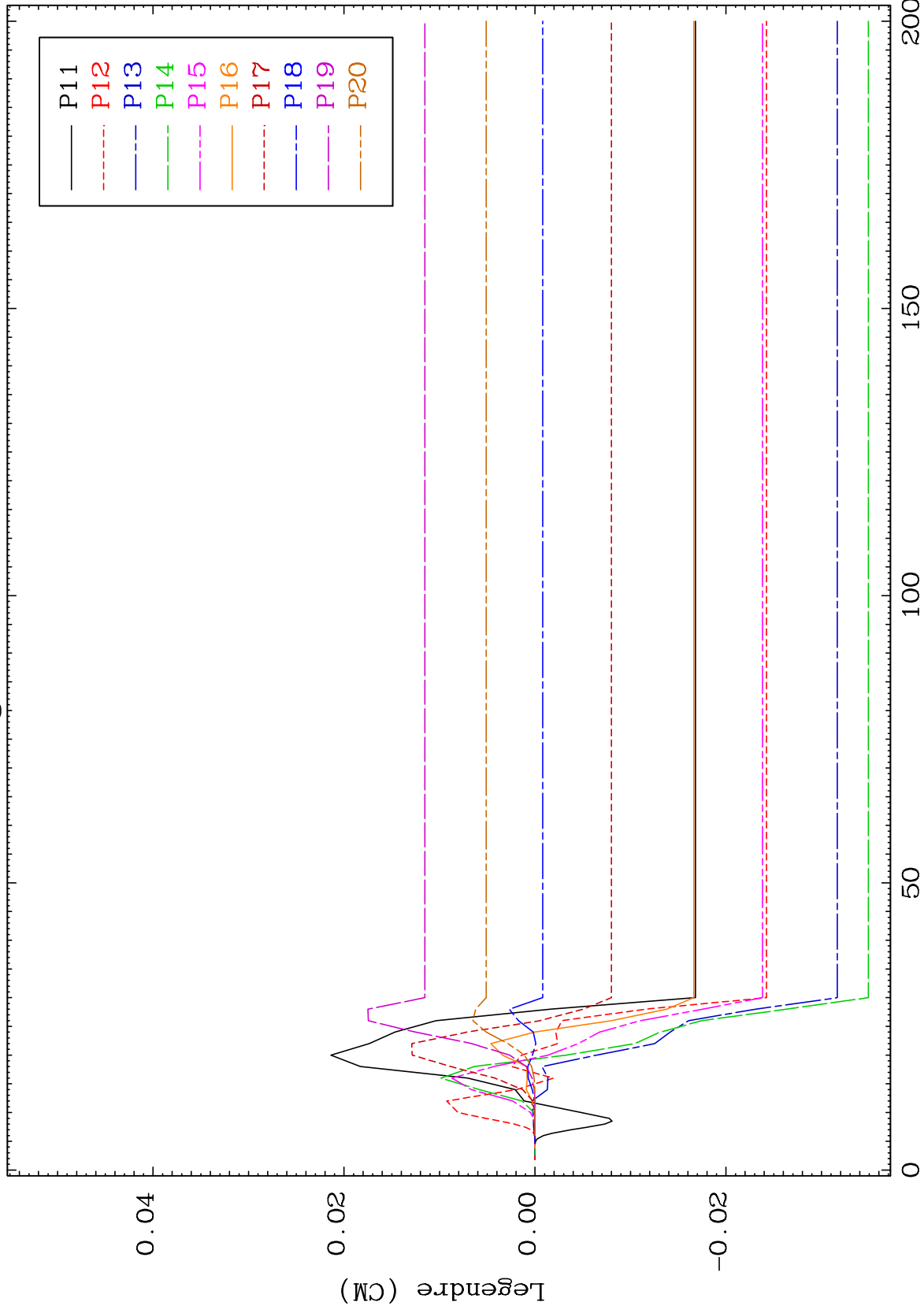


44

MAT 8204

1.089 MeV (n,n') Level  
Legendre Coefficients

82-Pb-197



45

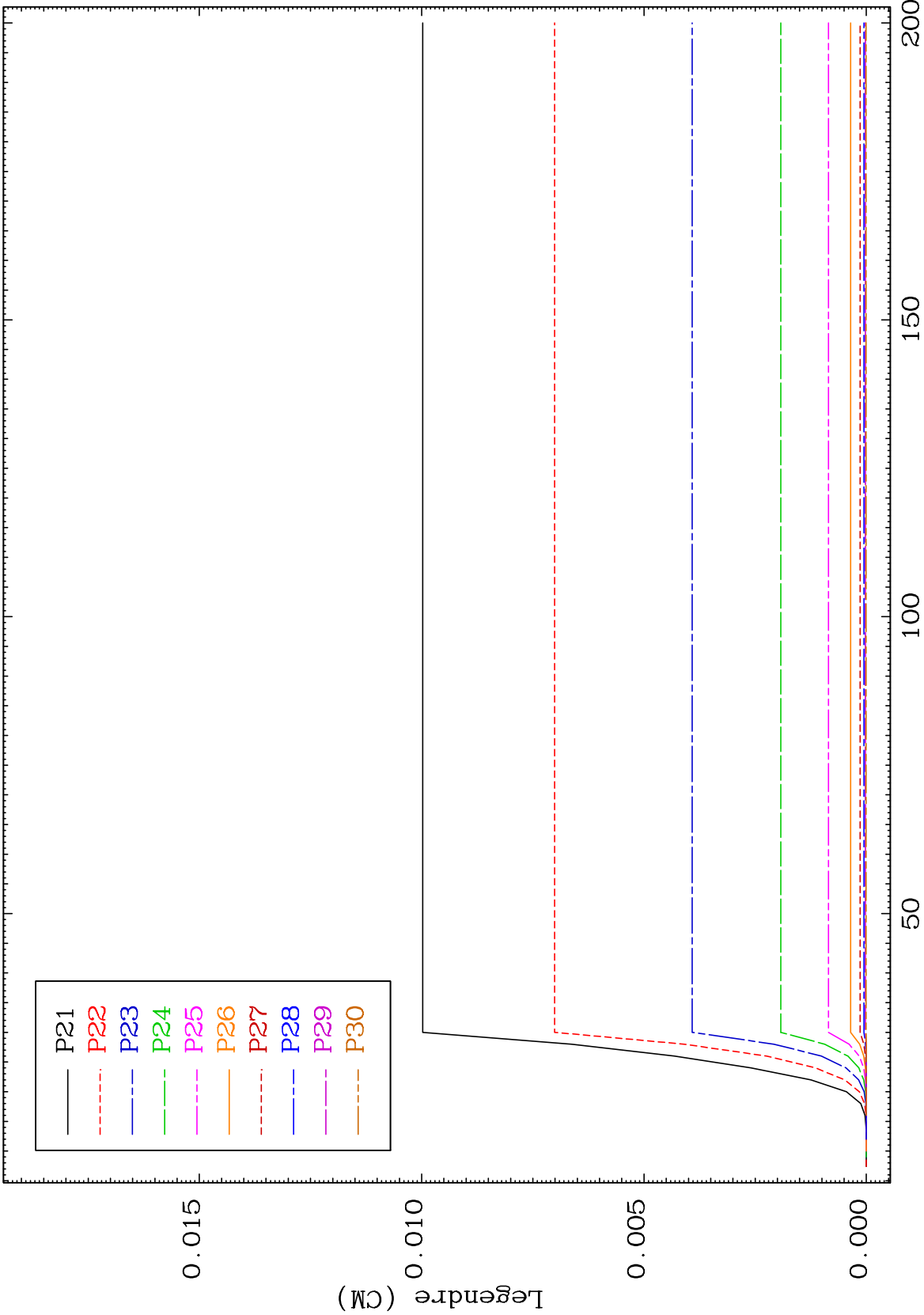
Incident Energy (MeV)

82-Pb-197

MAT 8204

1.089 MeV (n,n') Level Legendre Coefficients

82-Pb-197



46

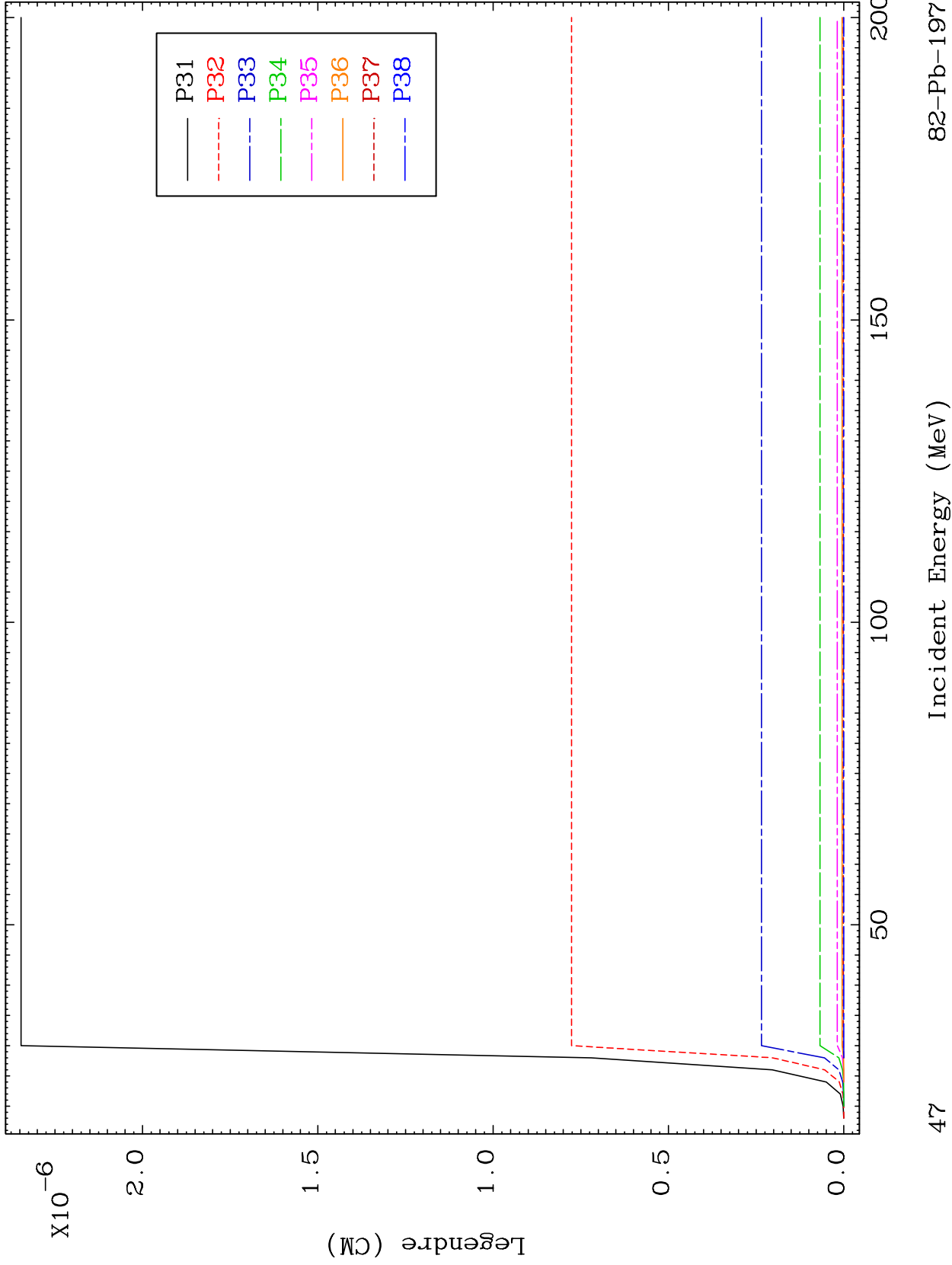
Incident Energy (MeV)

82-Pb-197

MAT 8204

1.089 MeV (n, n') Level  
Legendre Coefficients

82-Pb-197

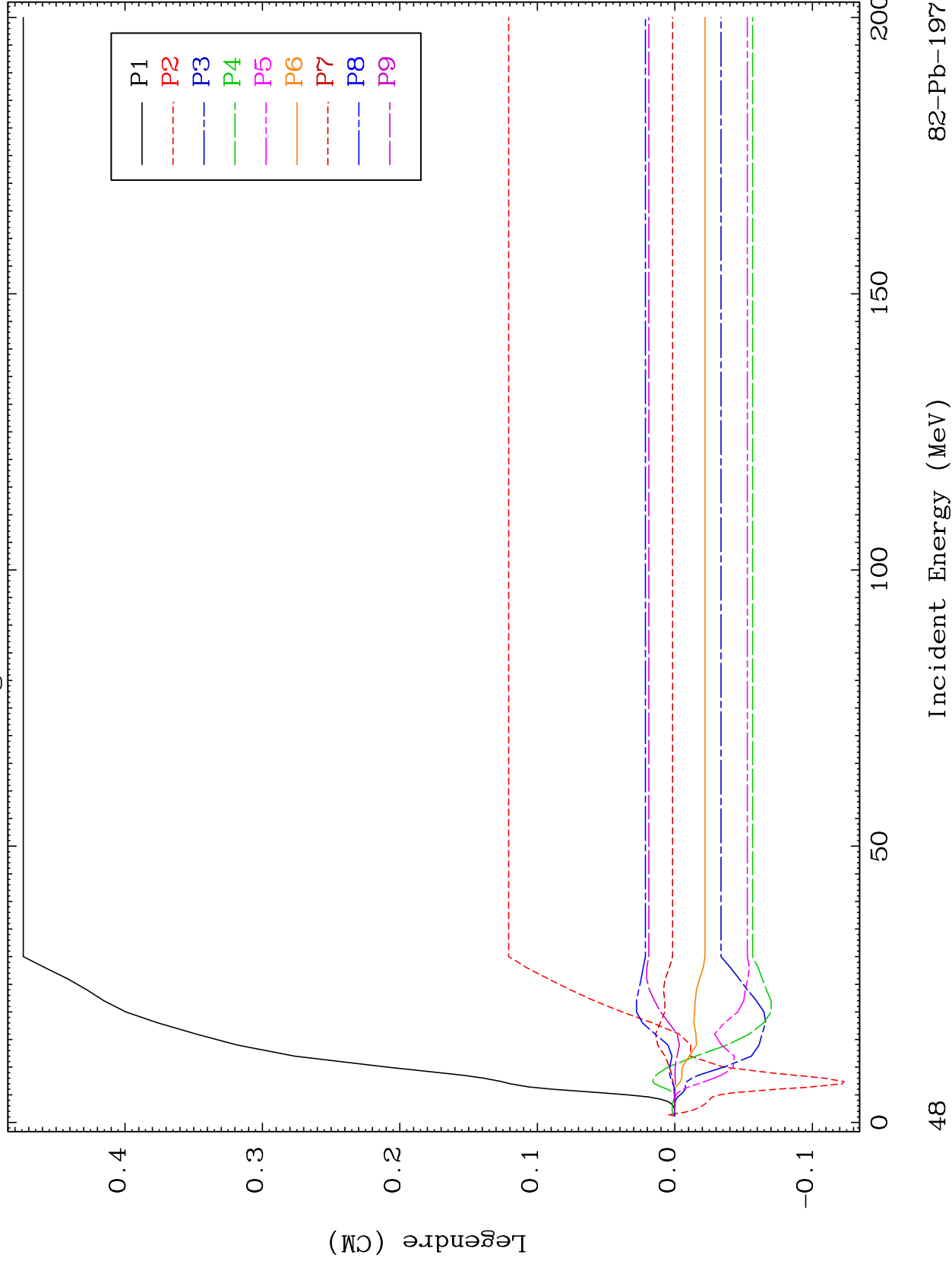




MAT 8204

1.147 MeV (n,n') Level  
Legendre Coefficients

82-Pb-197



82-Pb-197

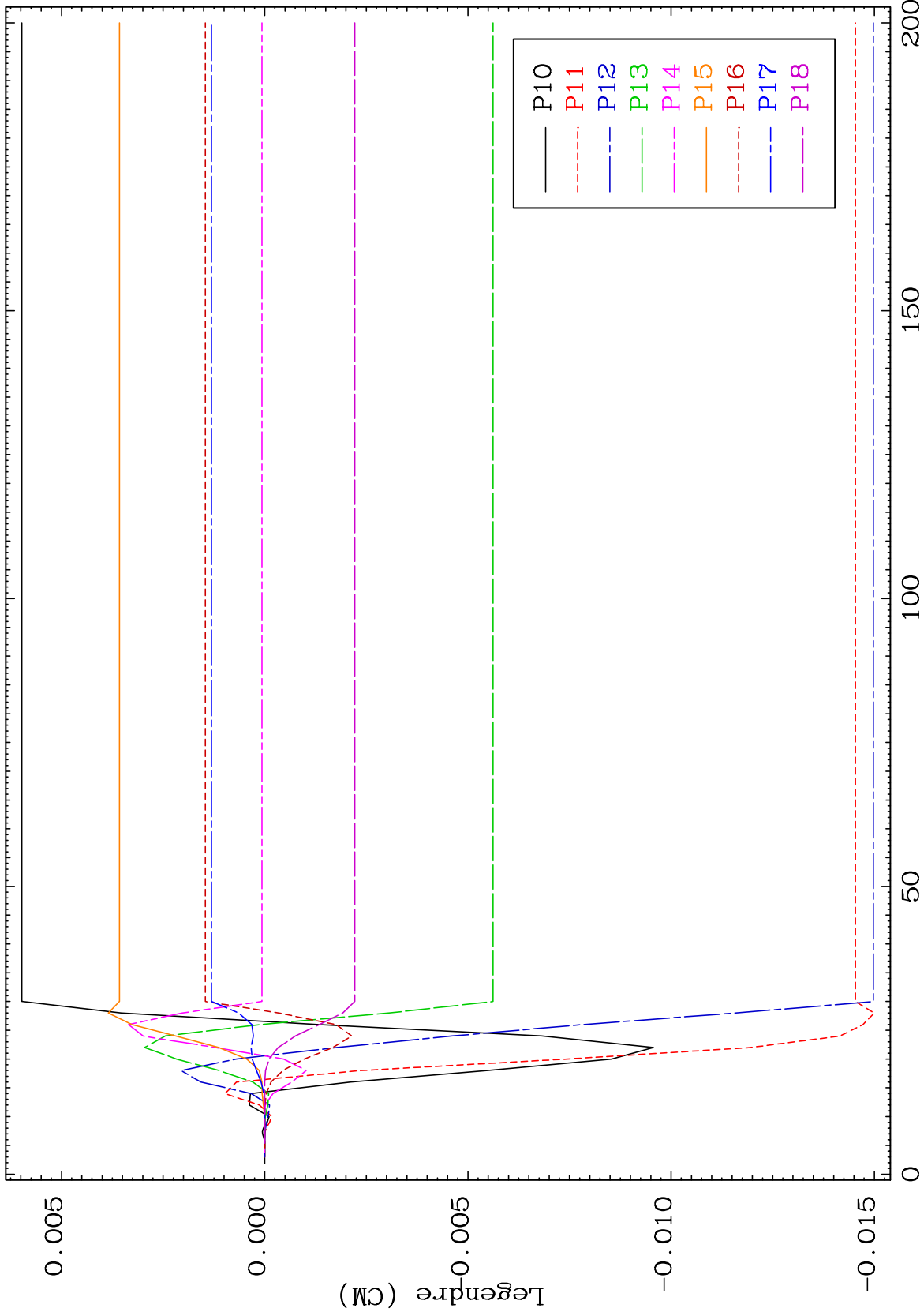
Incident Energy (MeV)

48

MAT 8204

1.147 MeV (n,n') Level  
Legendre Coefficients

82-Pb-197



49

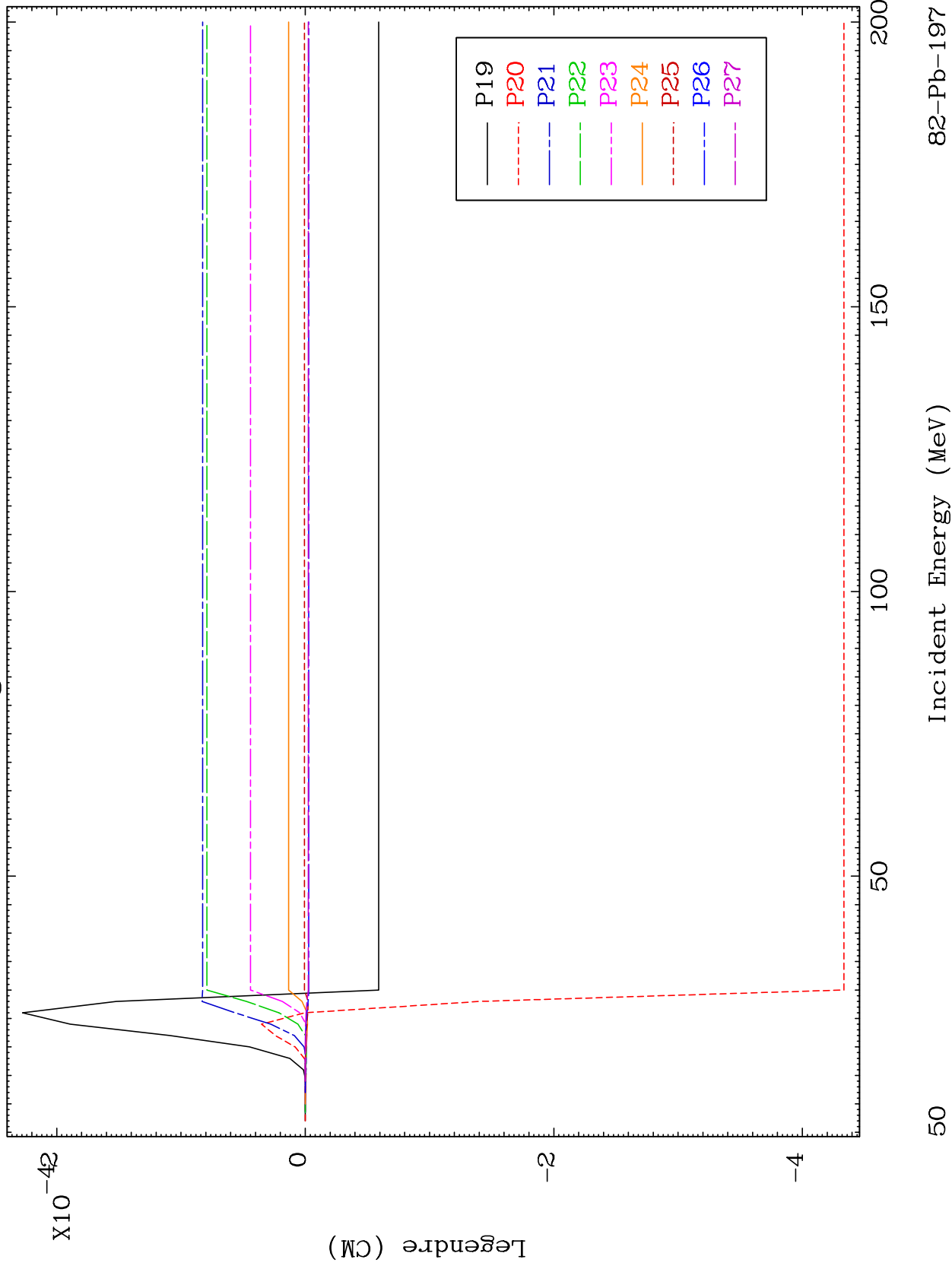
Incident Energy (MeV)

82-Pb-197

MAT 8204

1.147 MeV (n, n') Level  
Legendre Coefficients

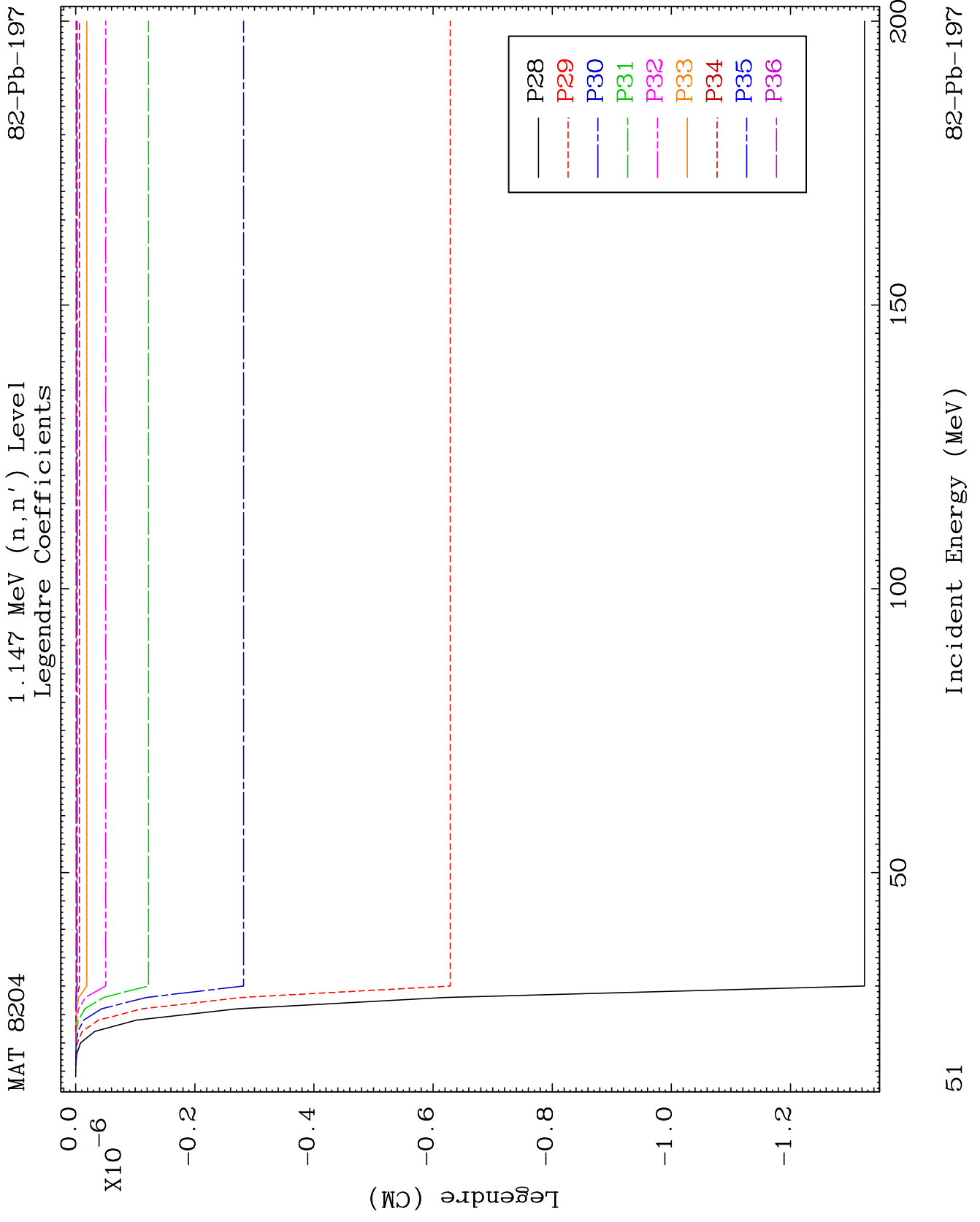
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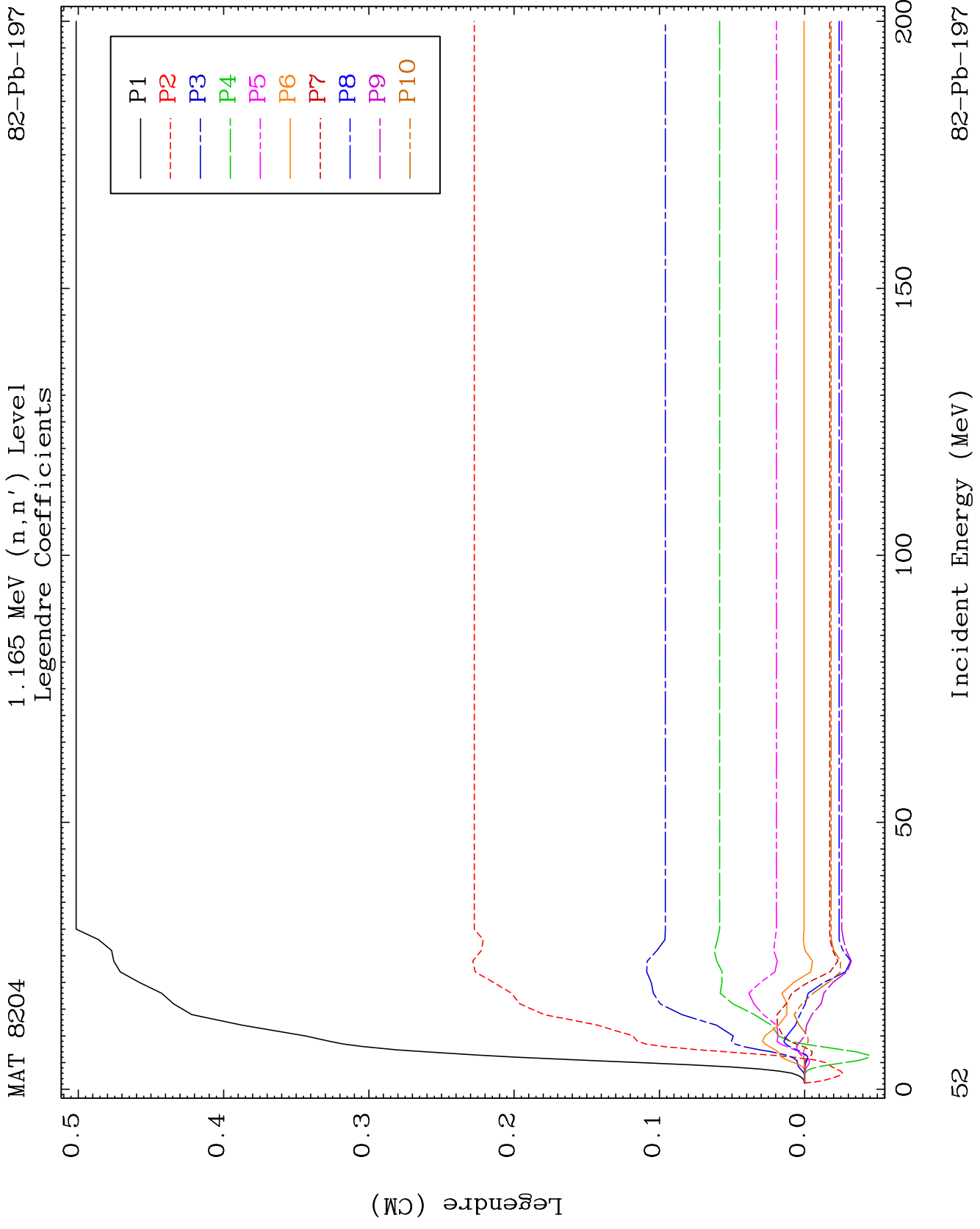


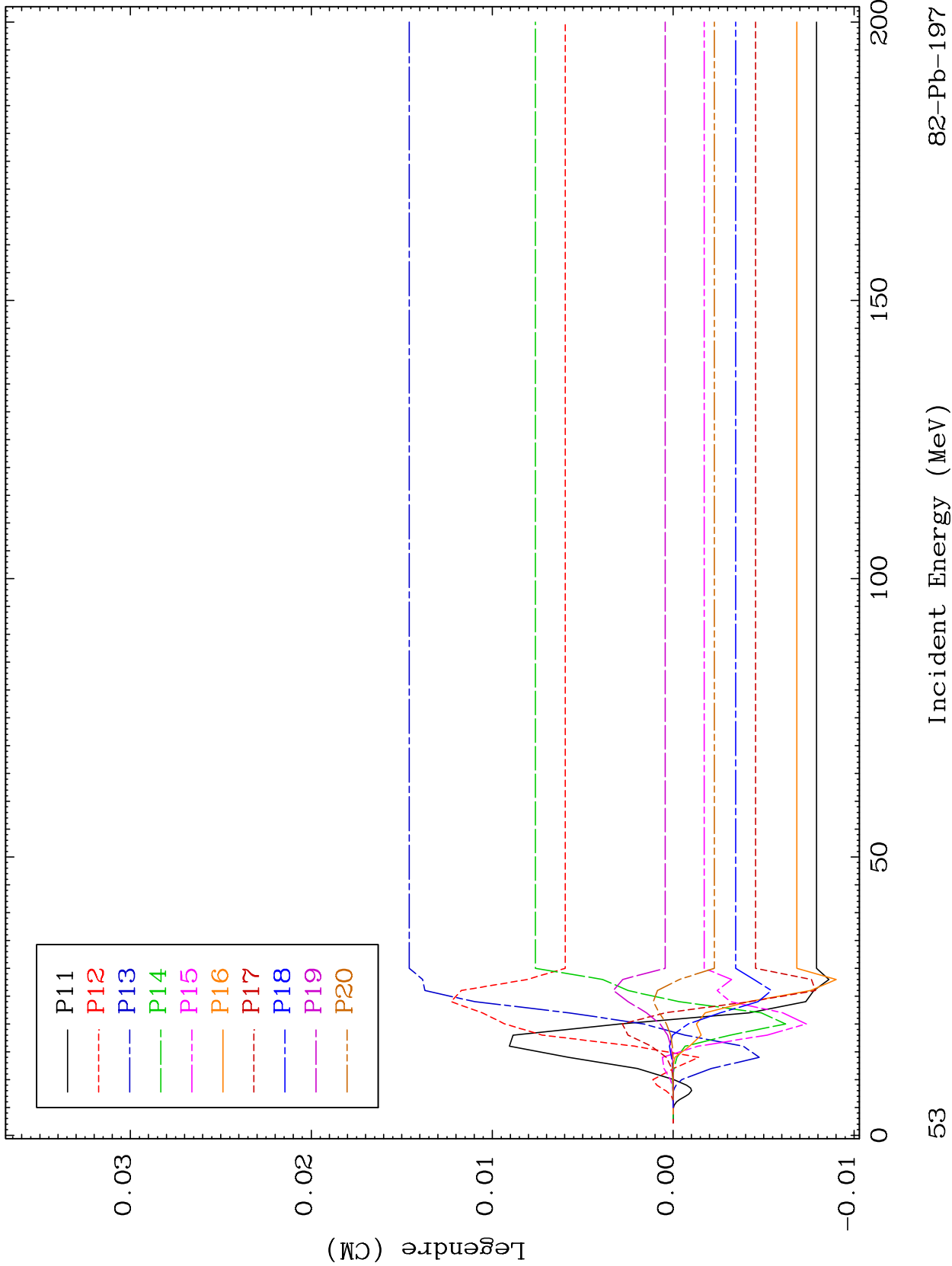
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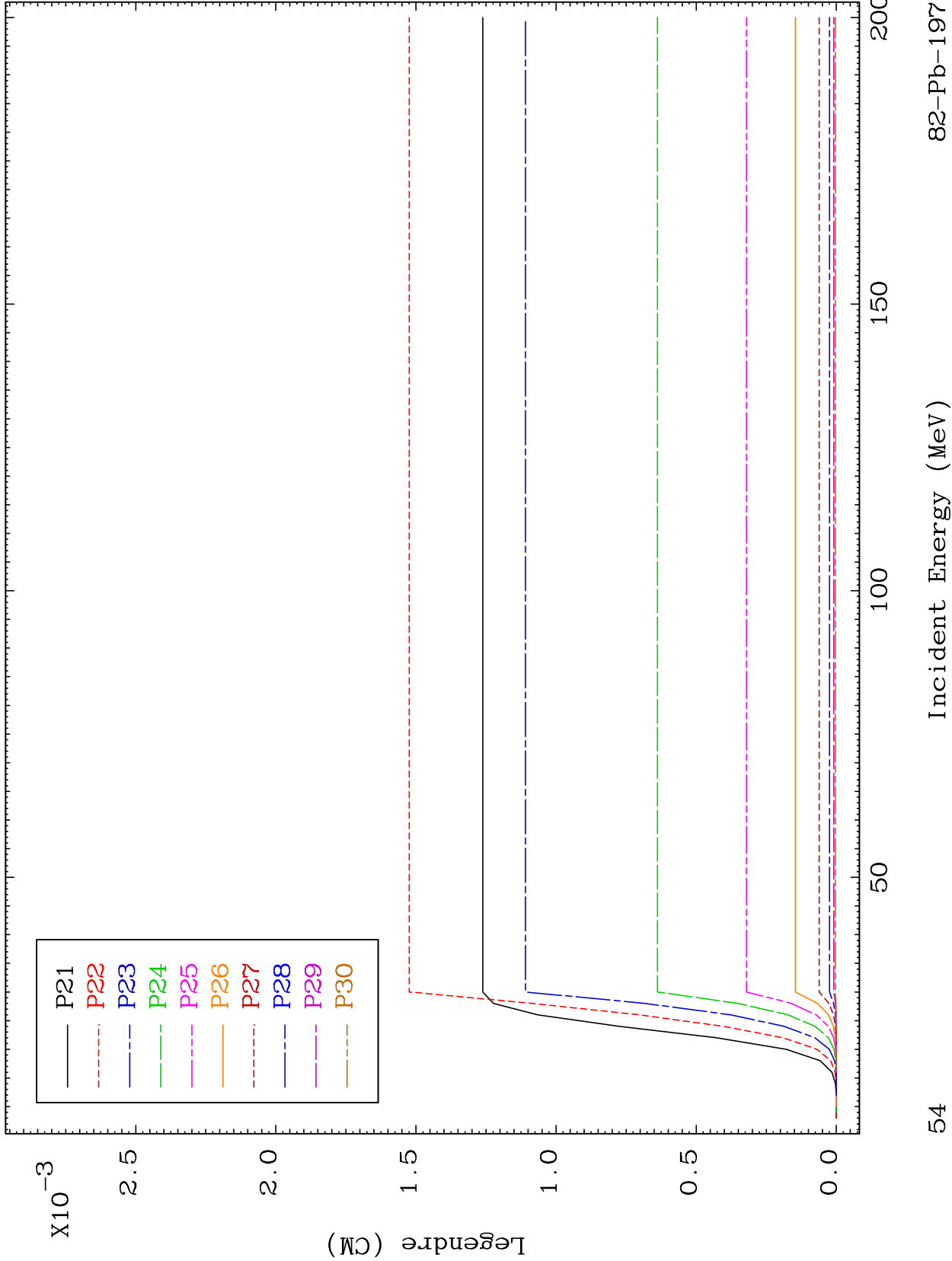
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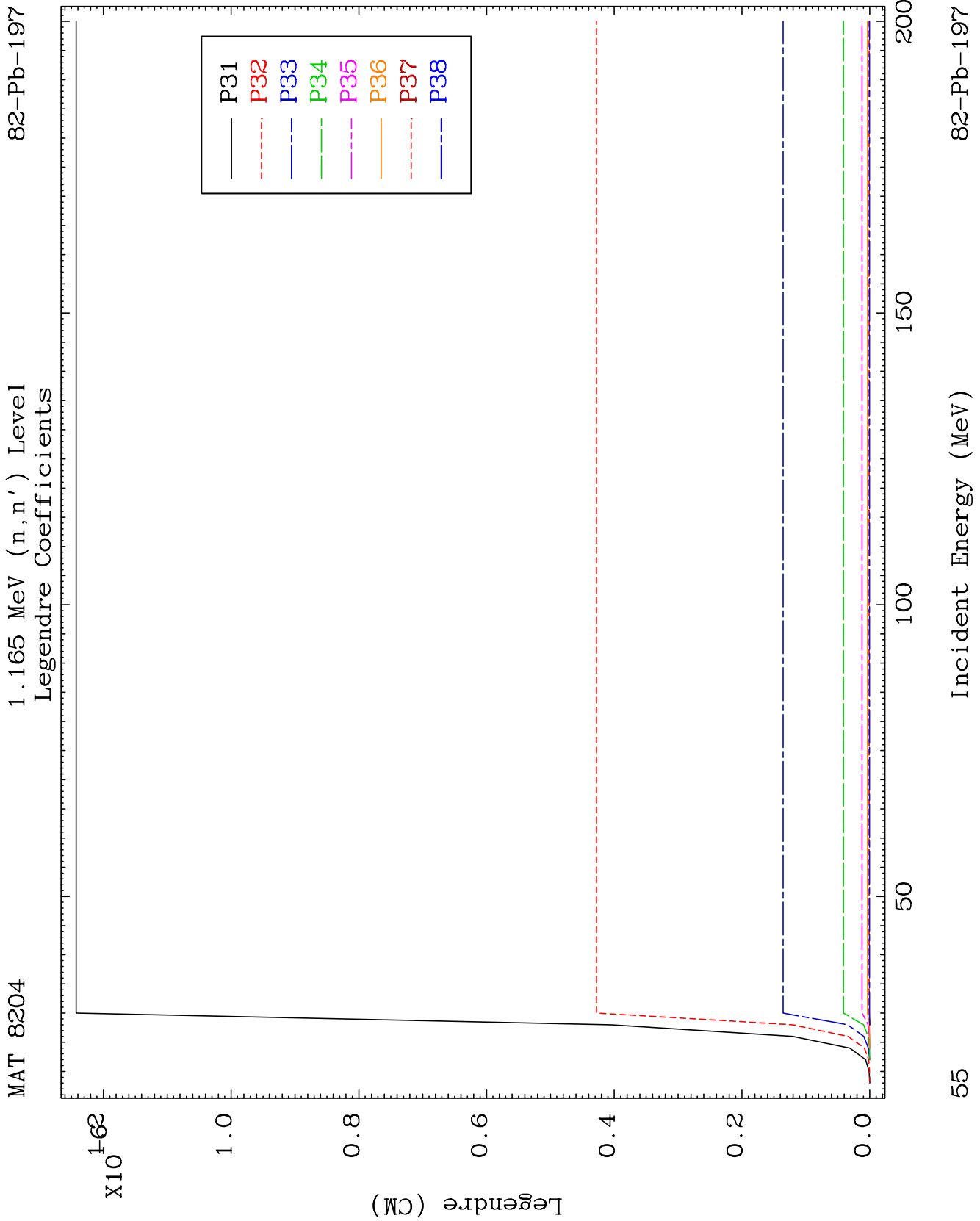
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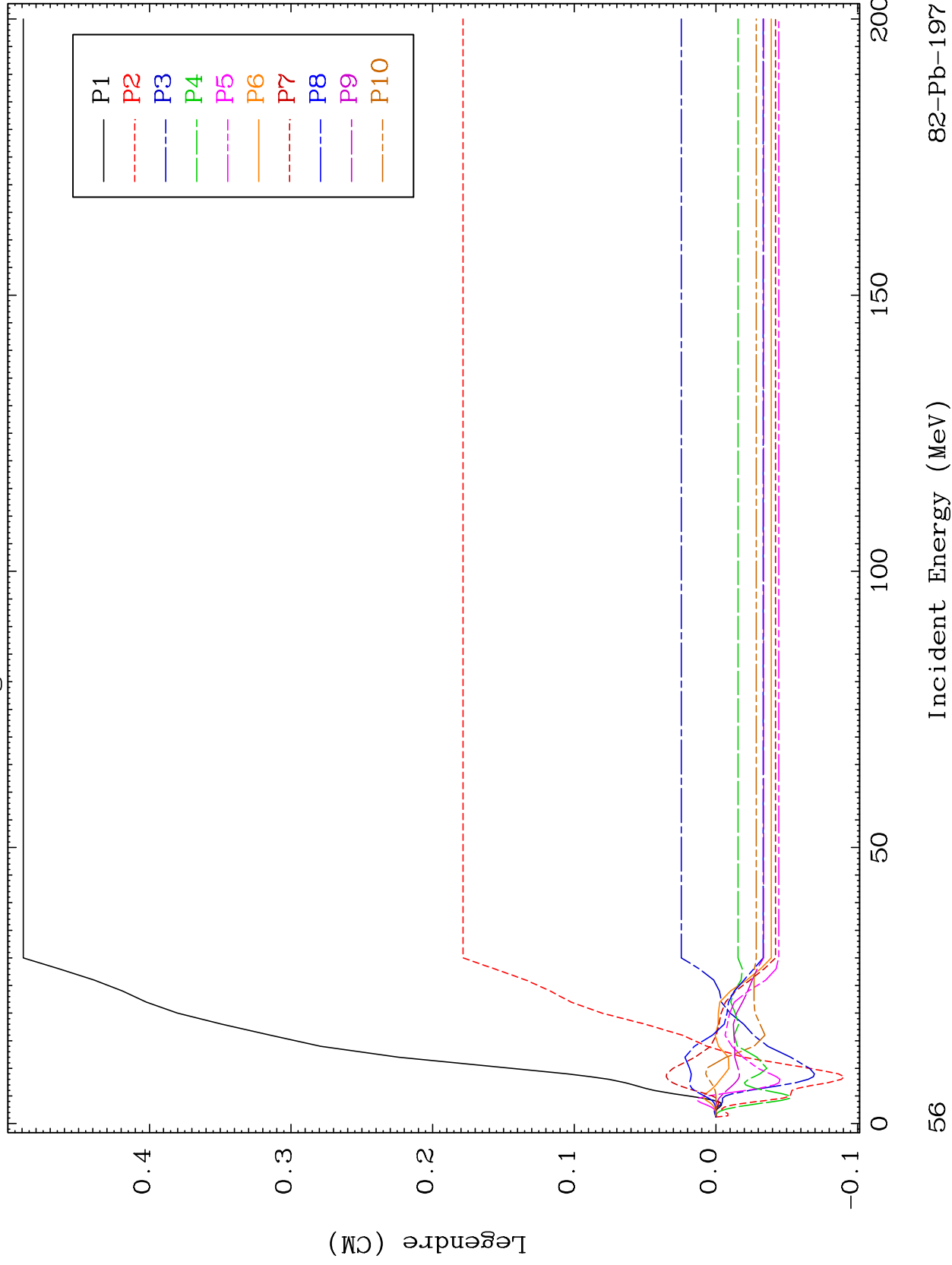




MAT 8204

1.167 MeV (n,n') Level  
Legendre Coefficients

82-Pb-197



82-Pb-197

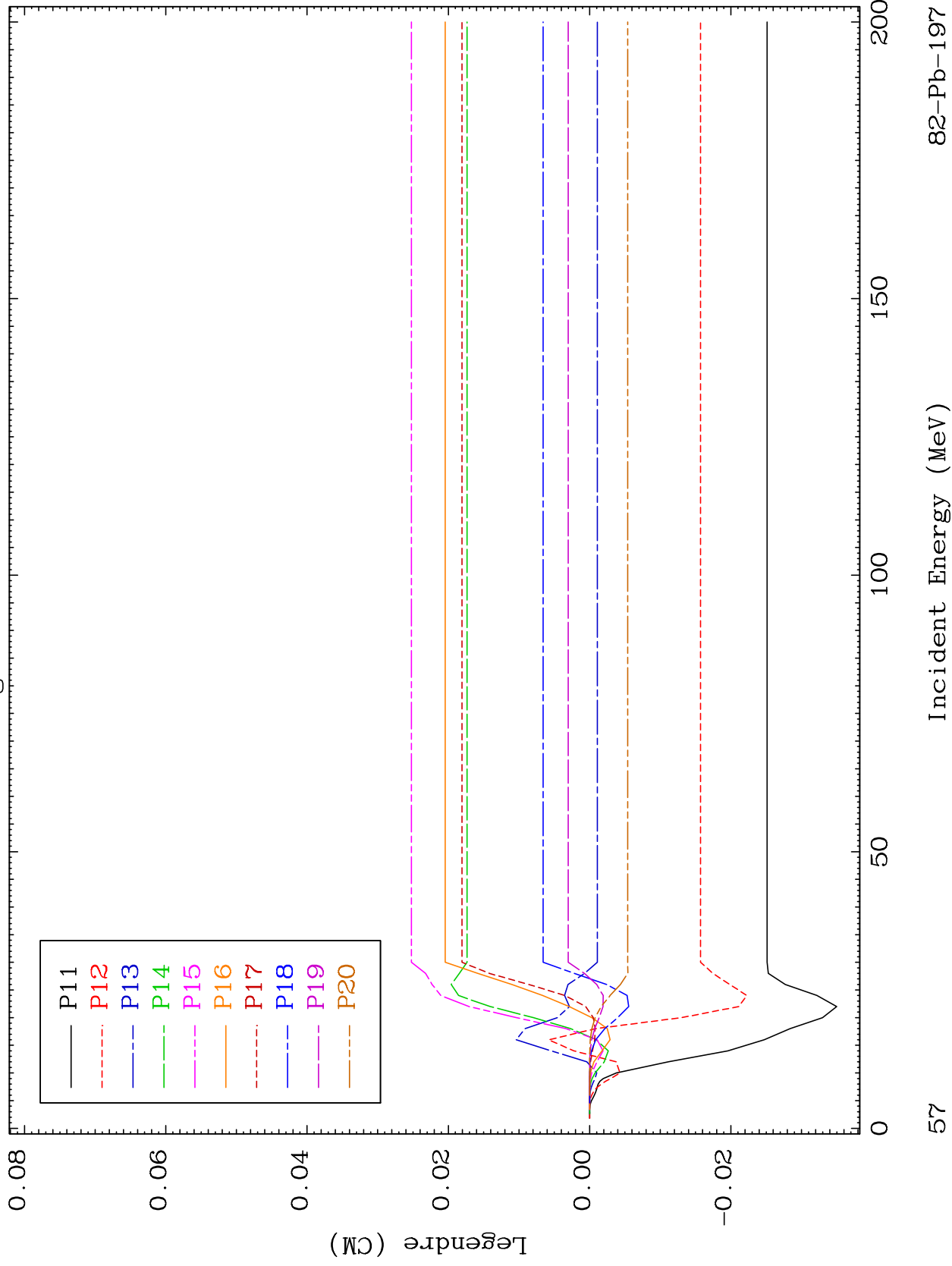
Incident Energy (MeV)

56

MAT 8204

1.167 MeV (n,n') Level  
Legendre Coefficients

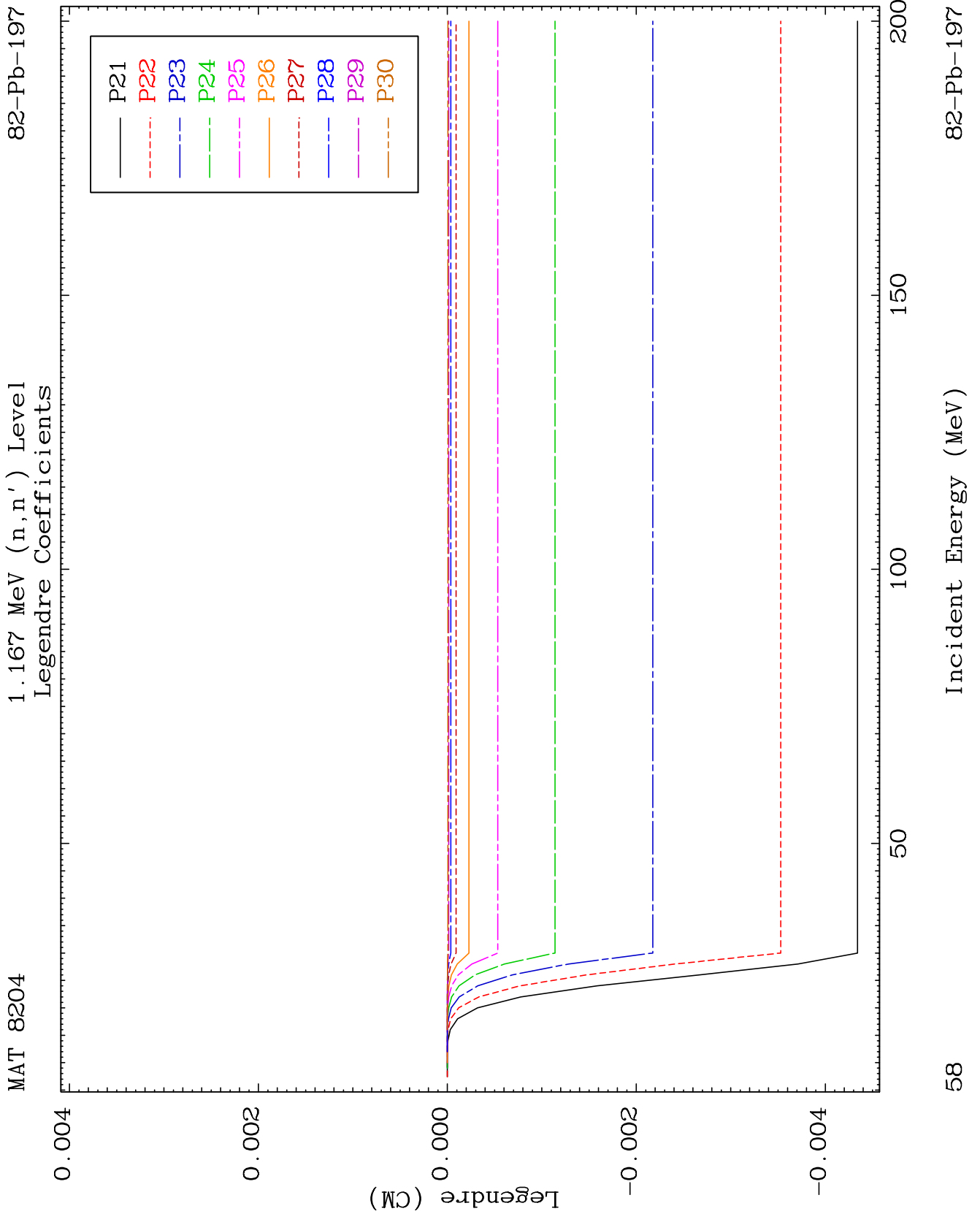
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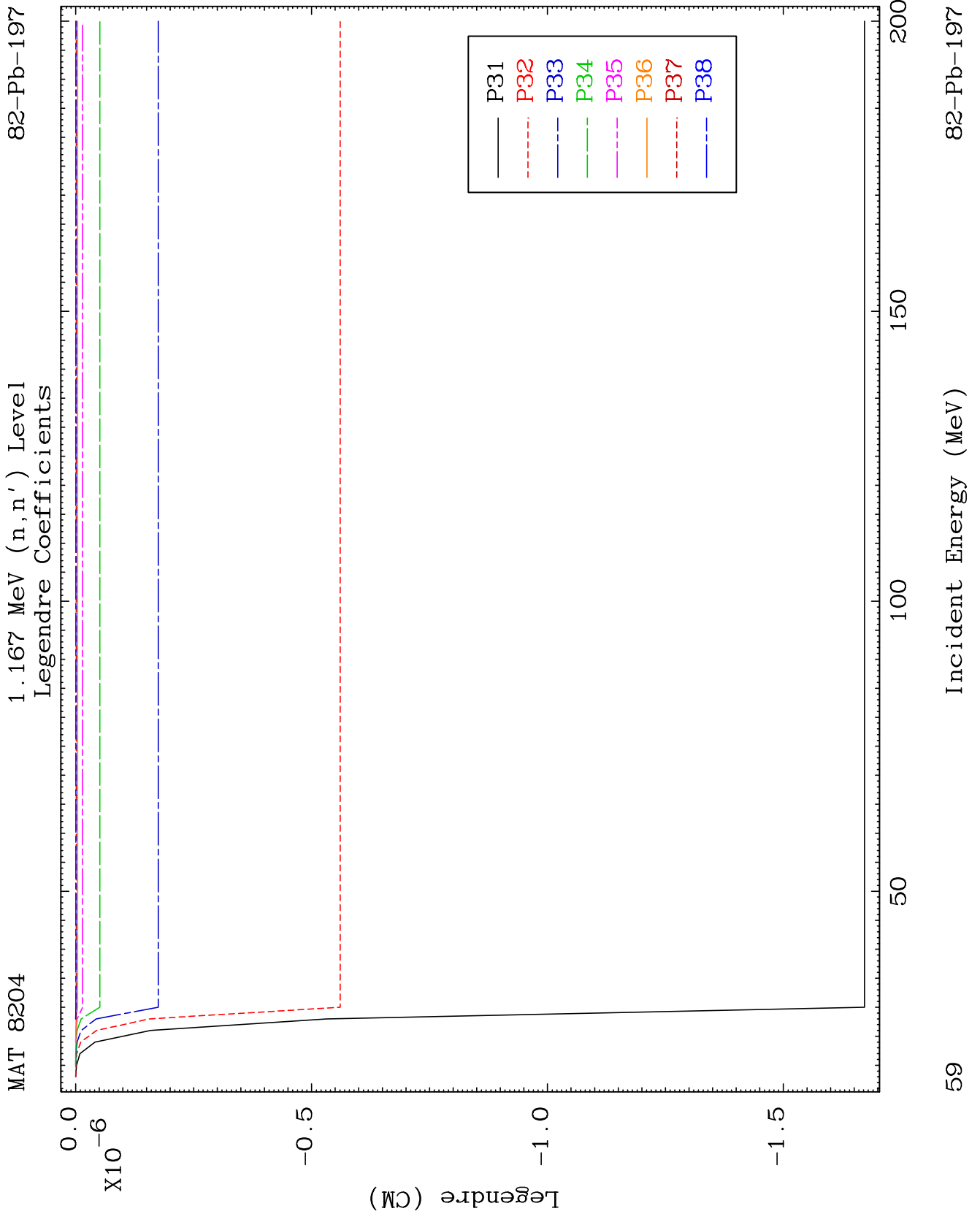


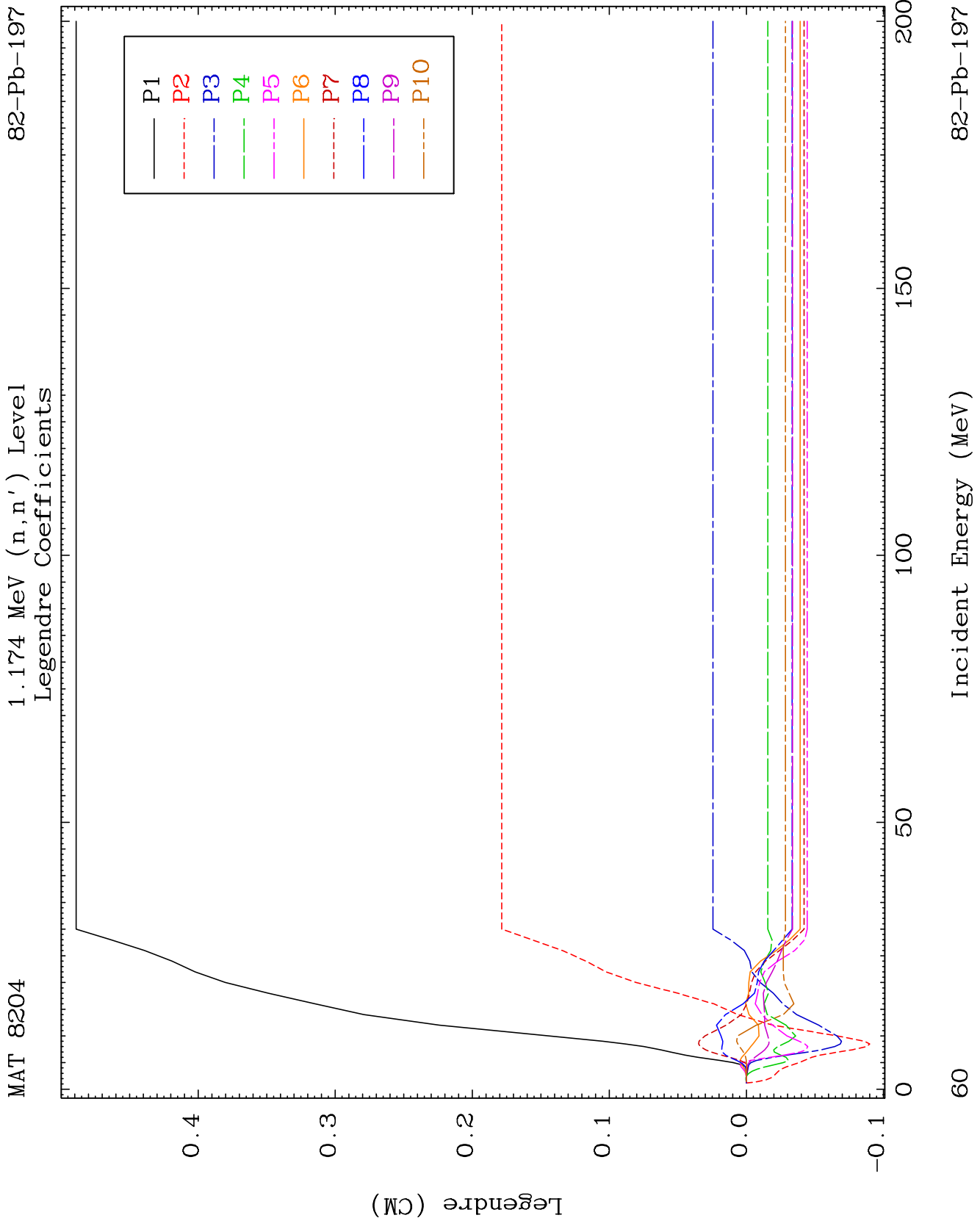
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Incident Energy (MeV)

82-Pb-197



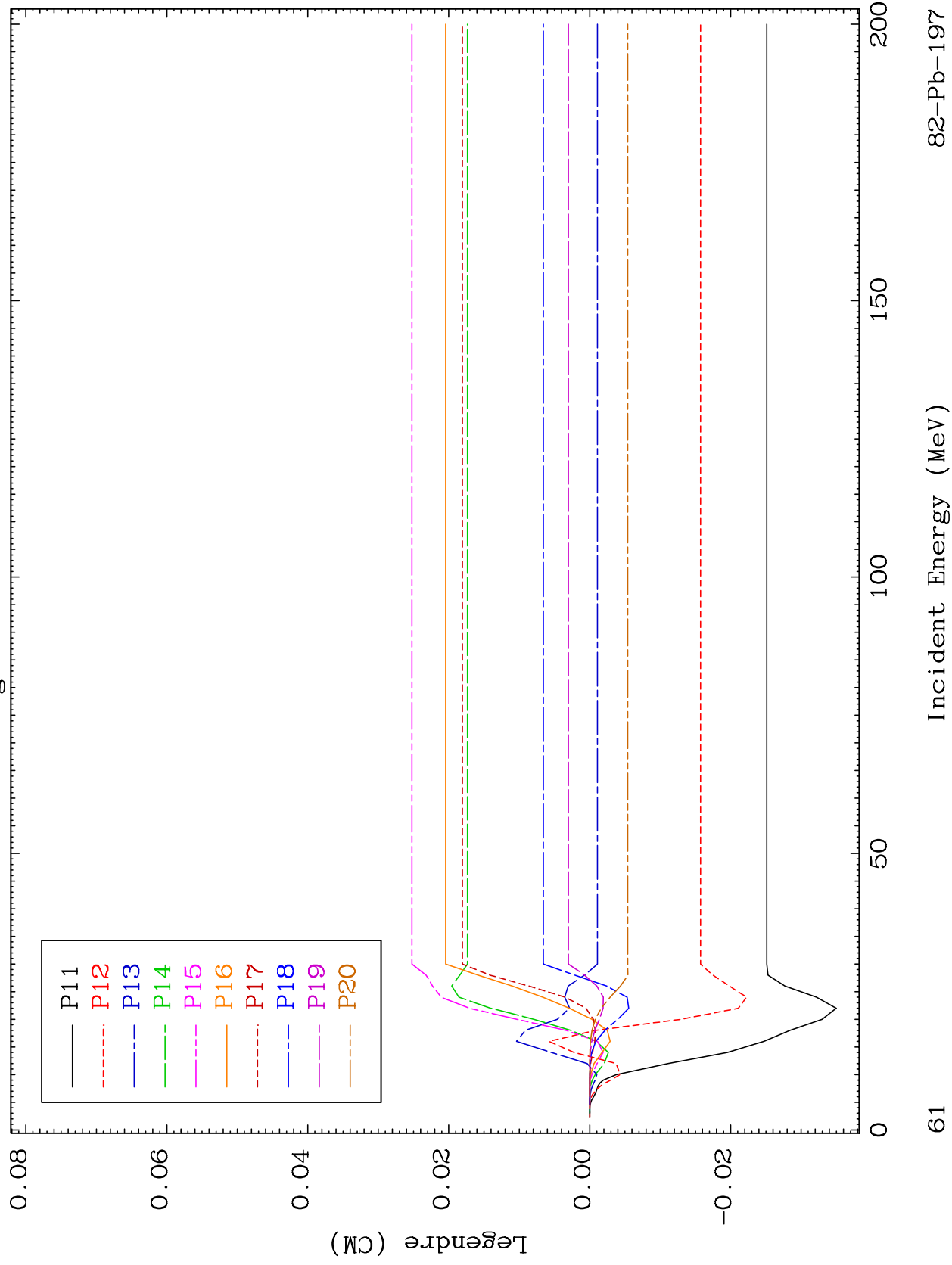




MAT 8204

1.174 MeV (n,n') Level  
Legendre Coefficients

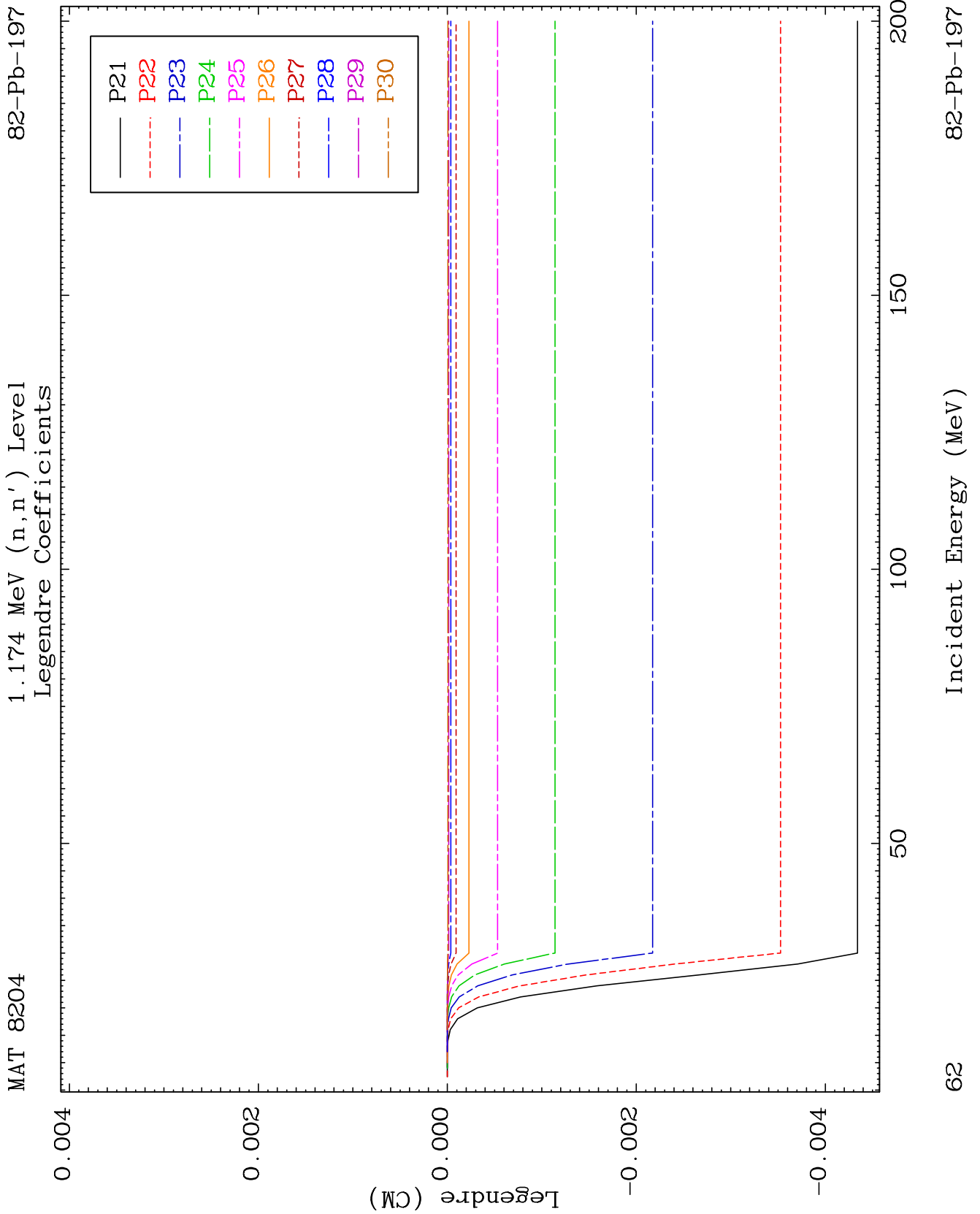
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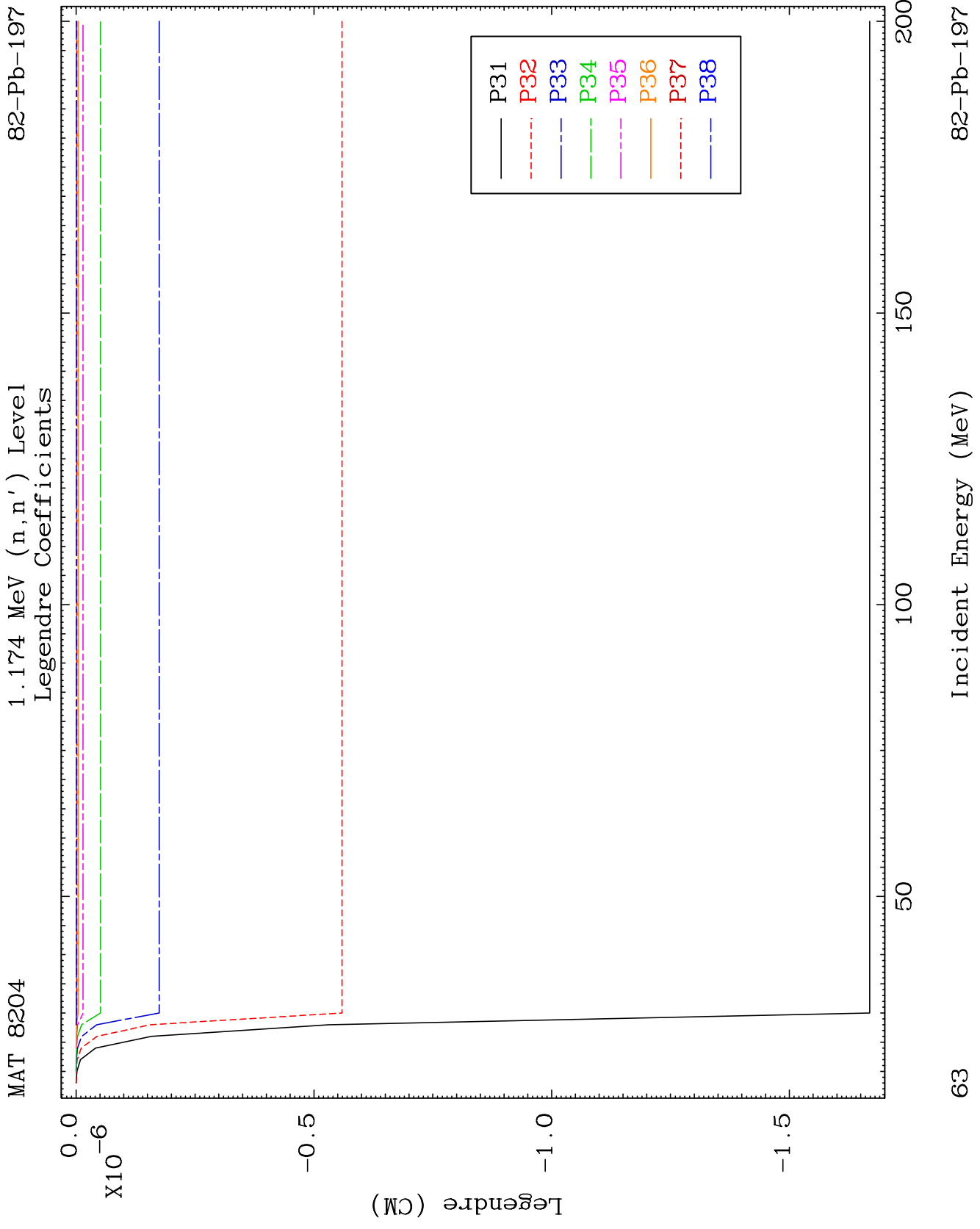


61

Incident Energy (MeV)

82-Pb-197



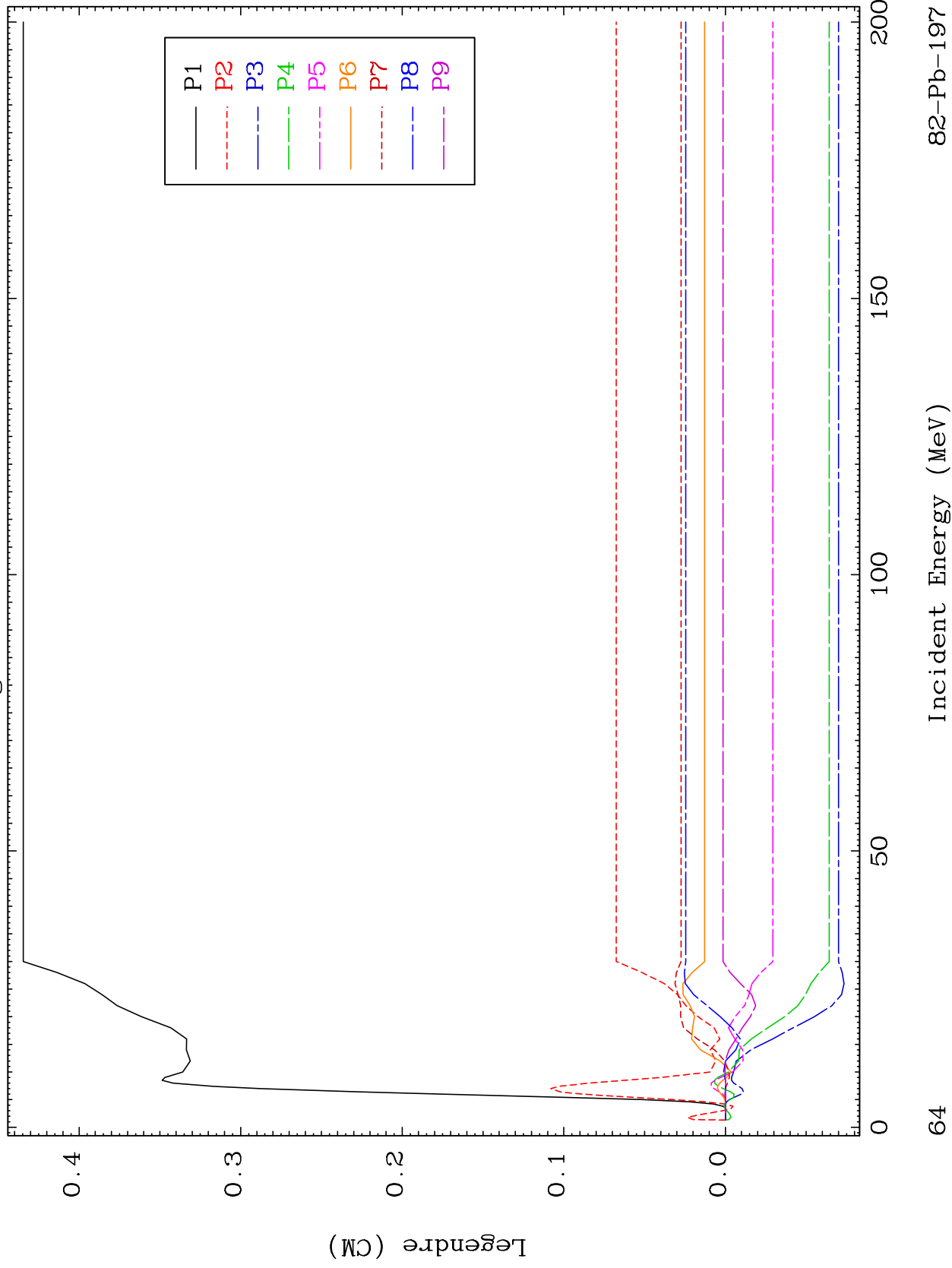




MAT 8204

1.295 MeV (n,n') Level  
Legendre Coefficients

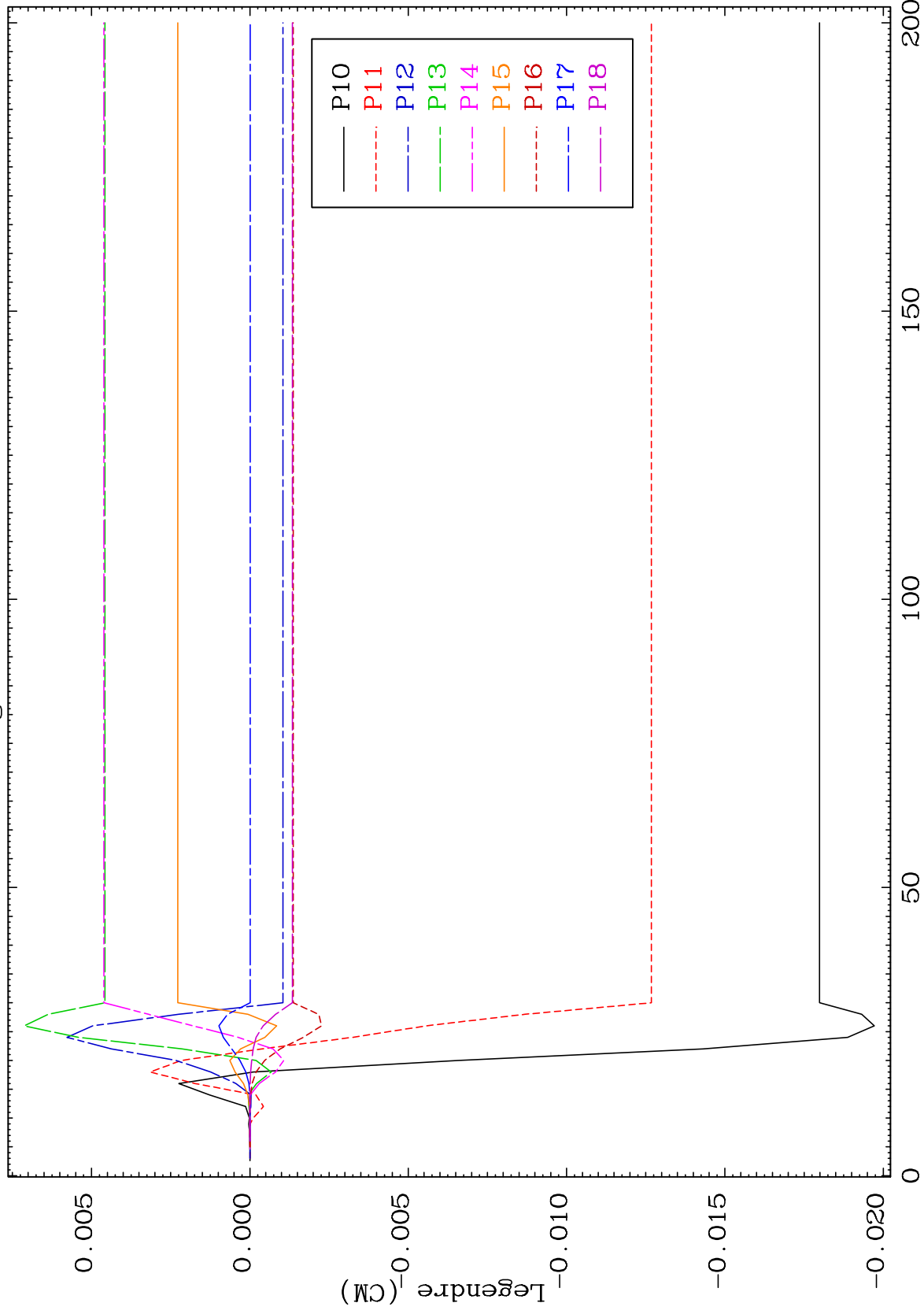
82-Pb-197



MAT 8204

1.295 MeV (n,n') Level  
Legendre Coefficients

82-Pb-197



65

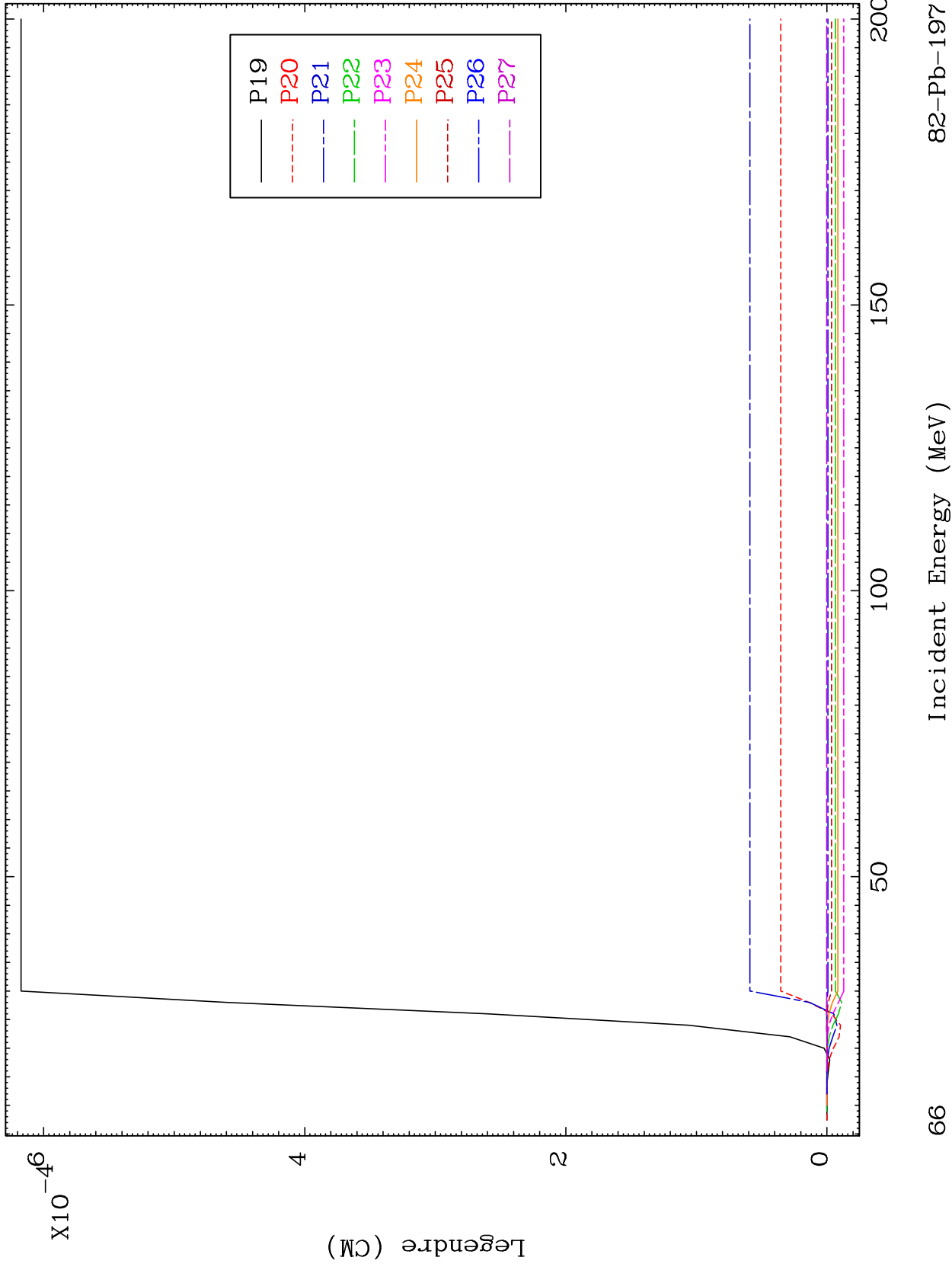
Incident Energy (MeV)

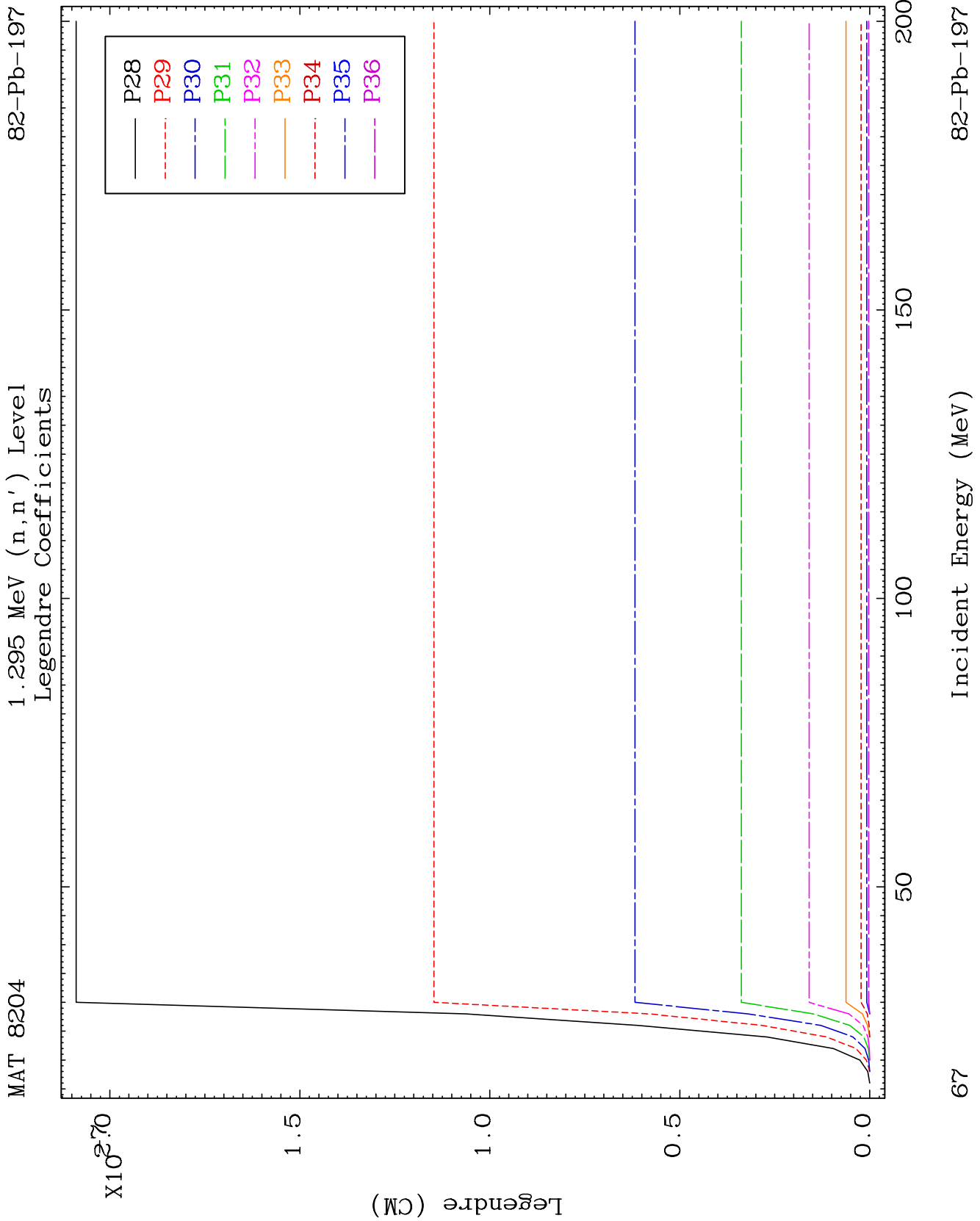
82-Pb-197

MAT 8204

1.295 MeV (n,n') Level  
Legendre Coefficients

82-Pb-197

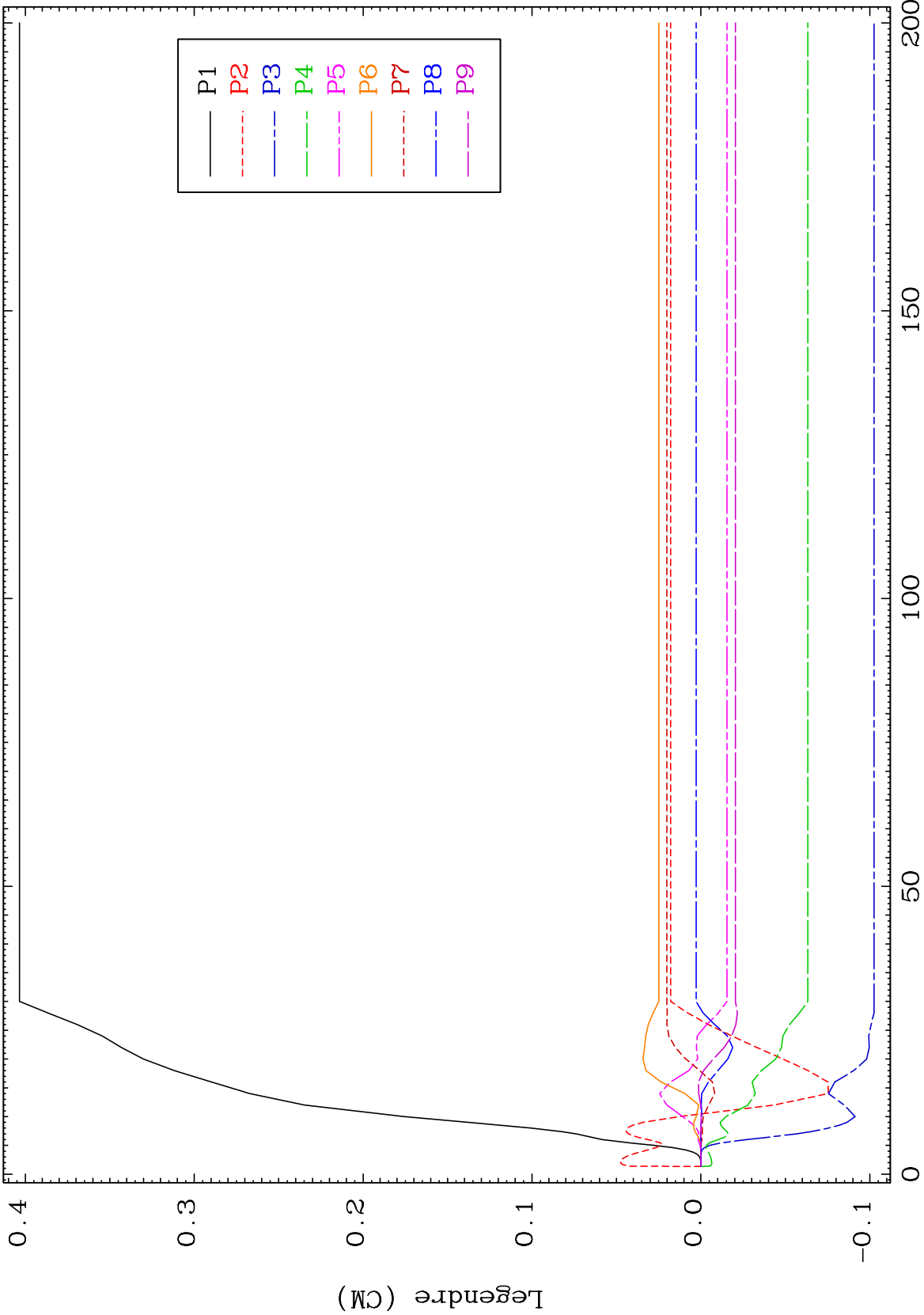




MAT 8204

1.326 MeV (n,n') Level  
Legendre Coefficients

82-Pb-197



68

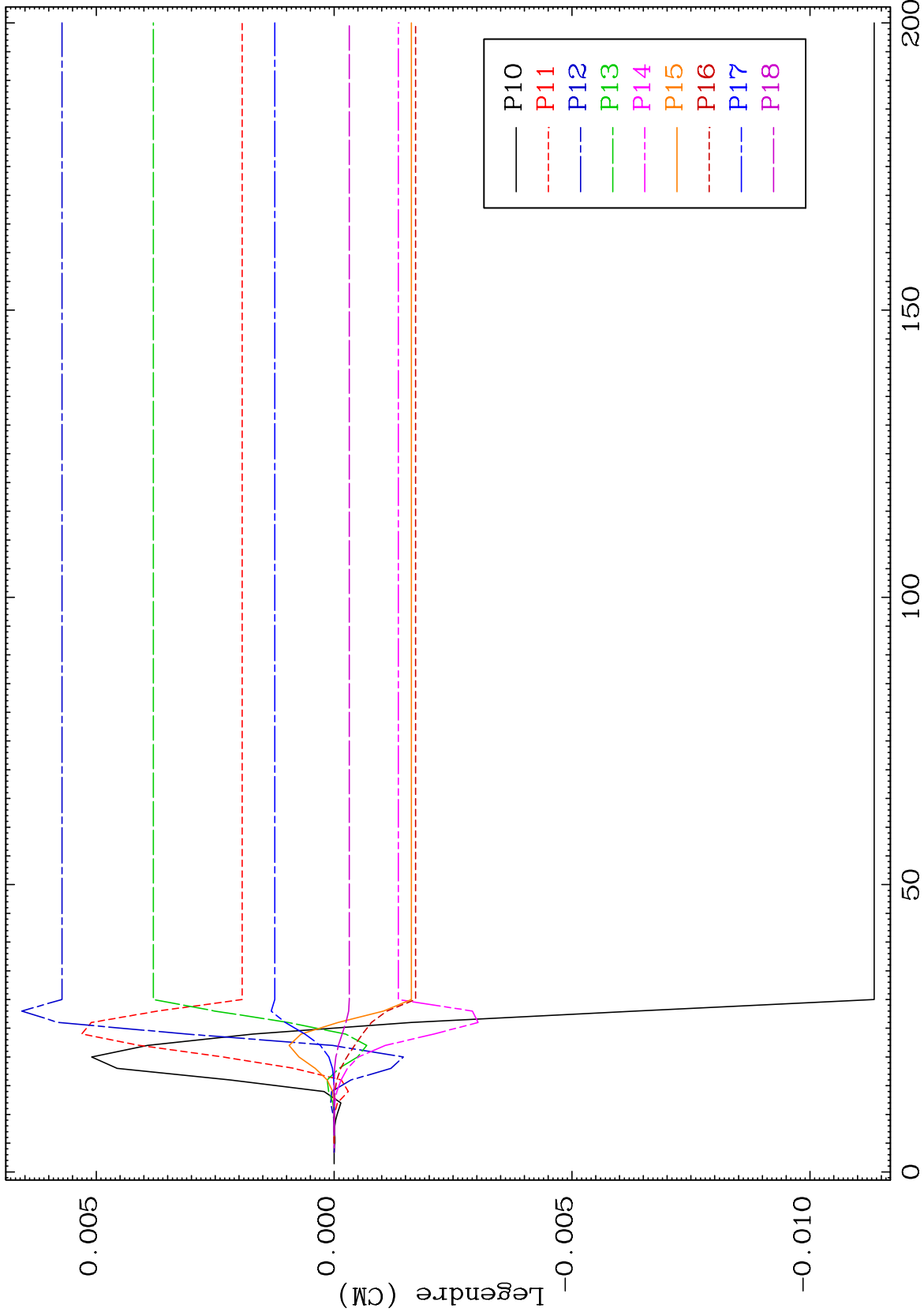
Incident Energy (MeV)

82-Pb-197

MAT 8204

1.326 MeV (n,n') Level  
Legendre Coefficients

82-Pb-197



69

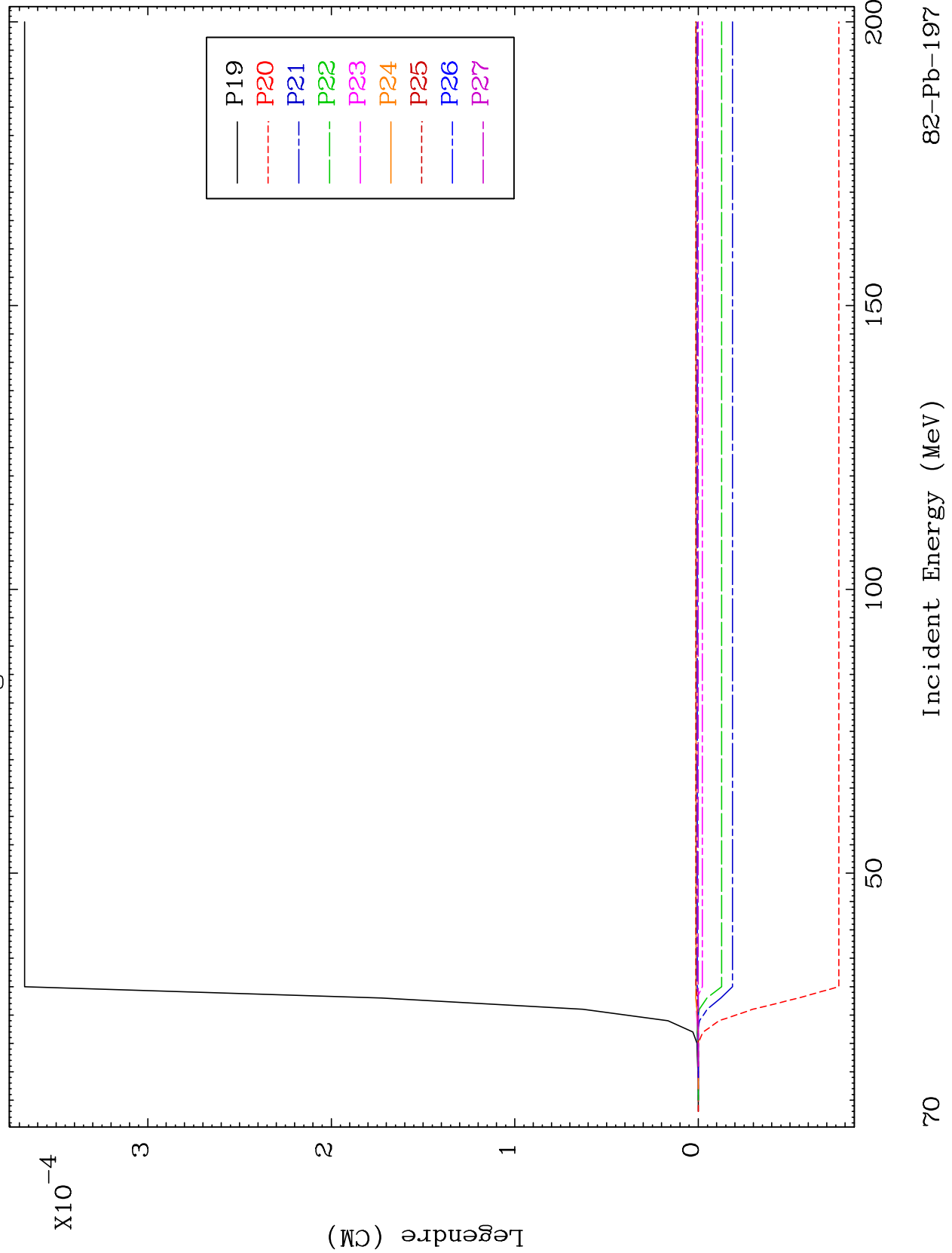
Incident Energy (MeV)

82-Pb-197

MAT 8204

1.326 MeV (n,n') Level  
Legendre Coefficients

82-Pb-197



70

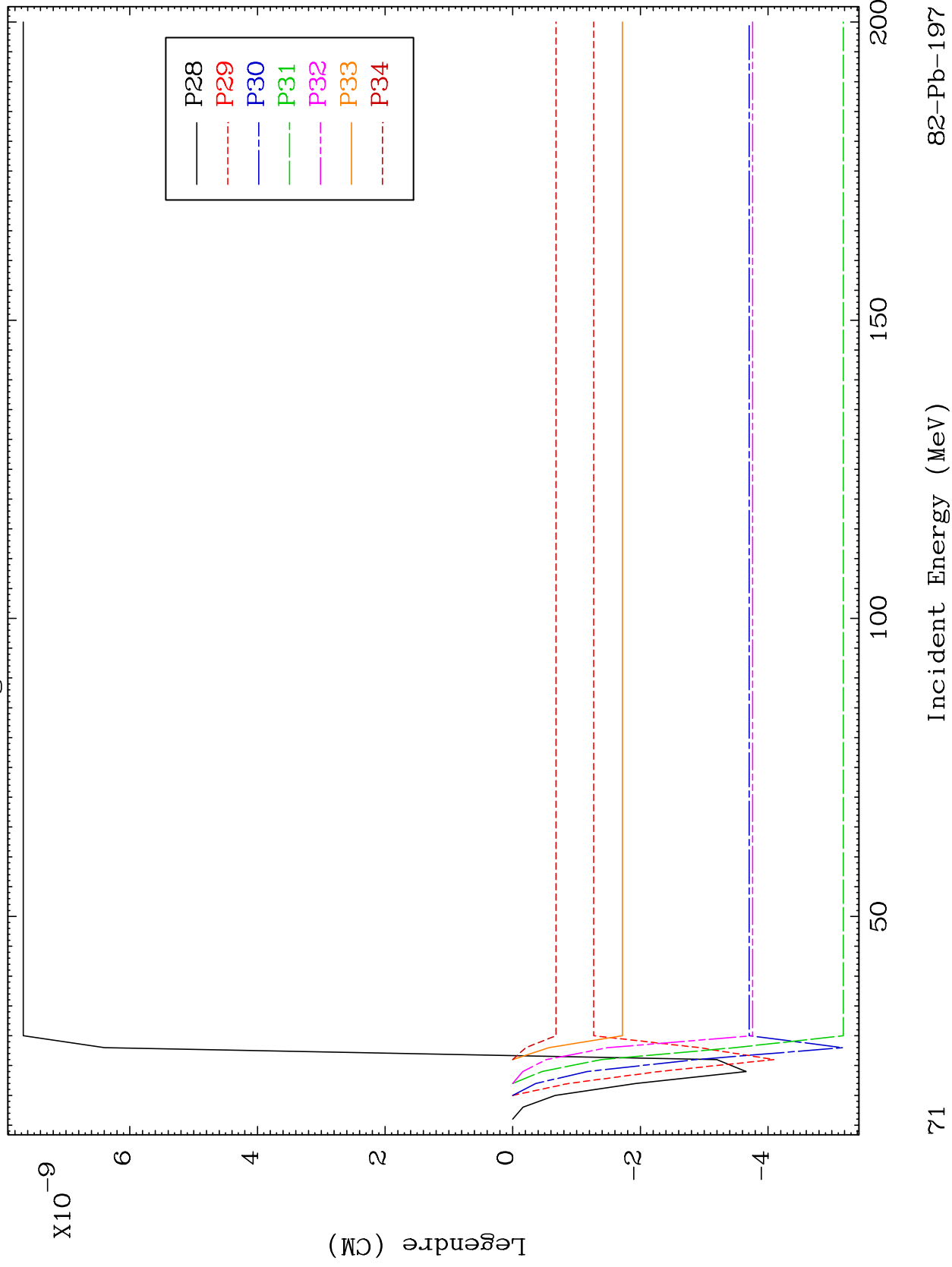
Incident Energy (MeV)

82-Pb-197

MAT 8204

1.326 MeV (n,n') Level  
Legendre Coefficients

82-Pb-197



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Incident Energy (MeV)

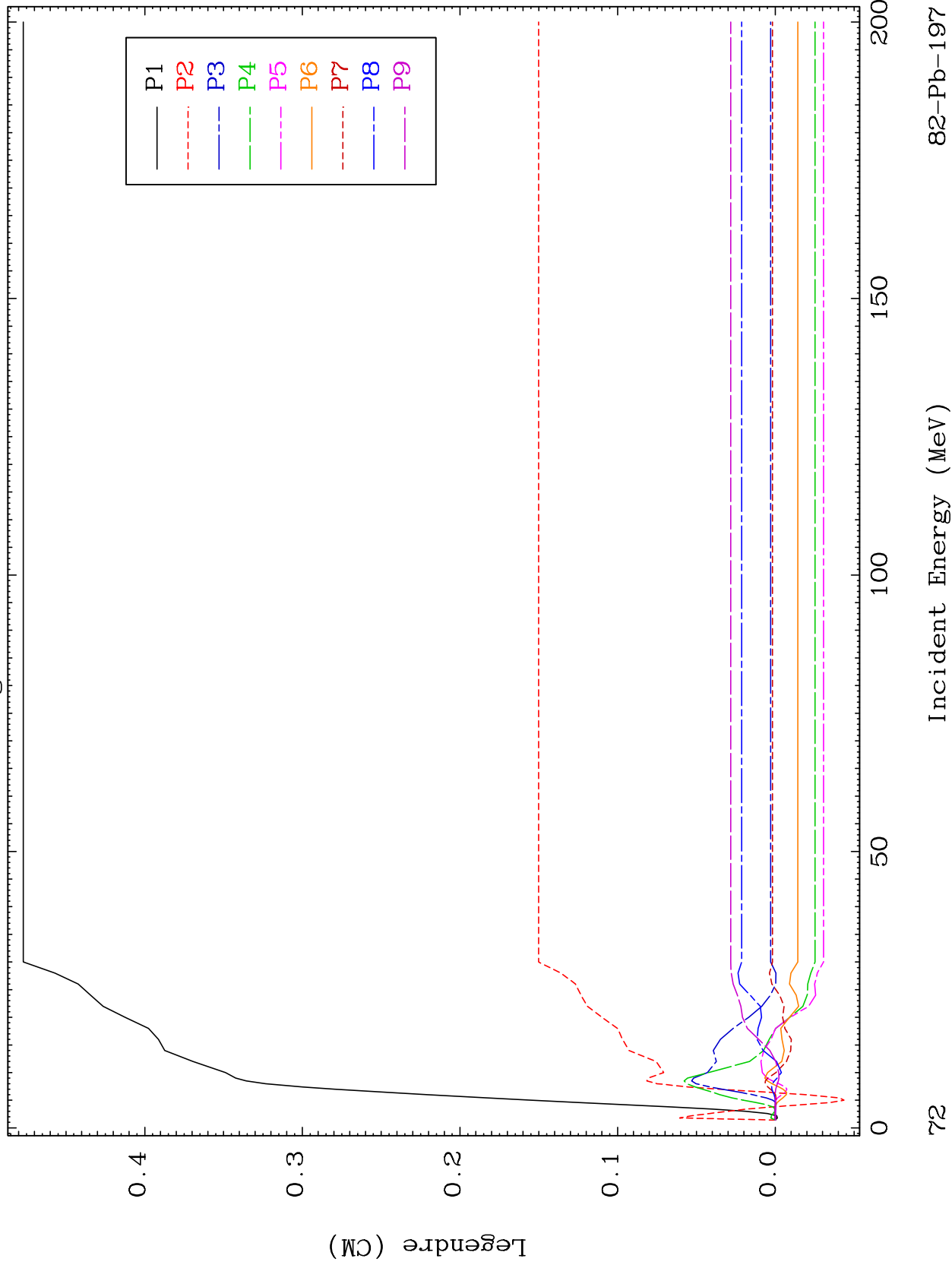
82-Pb-197



MAT 8204

1.402 MeV (n,n') Level  
Legendre Coefficients

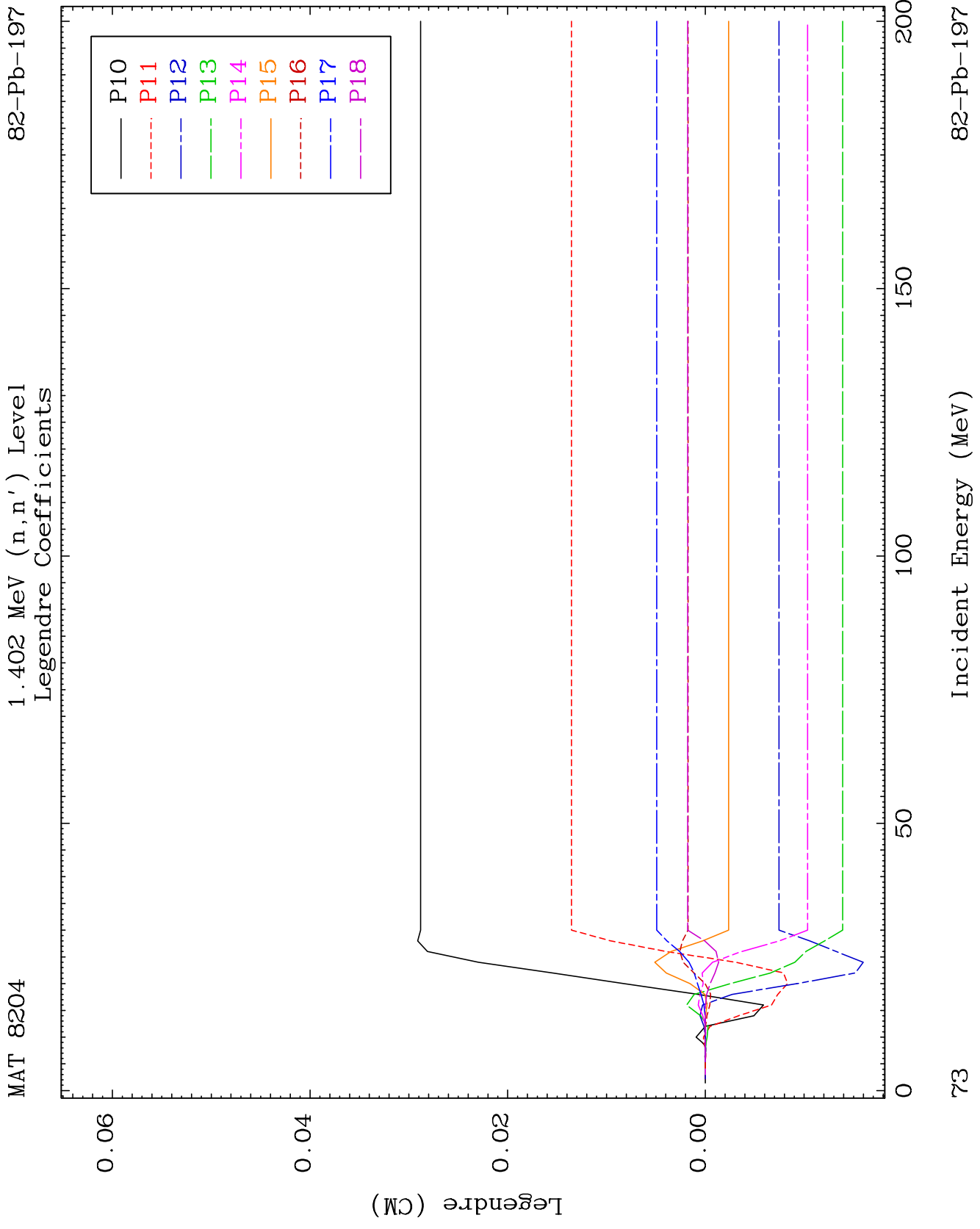
82-Pb-197



82-Pb-197

Incident Energy (MeV)

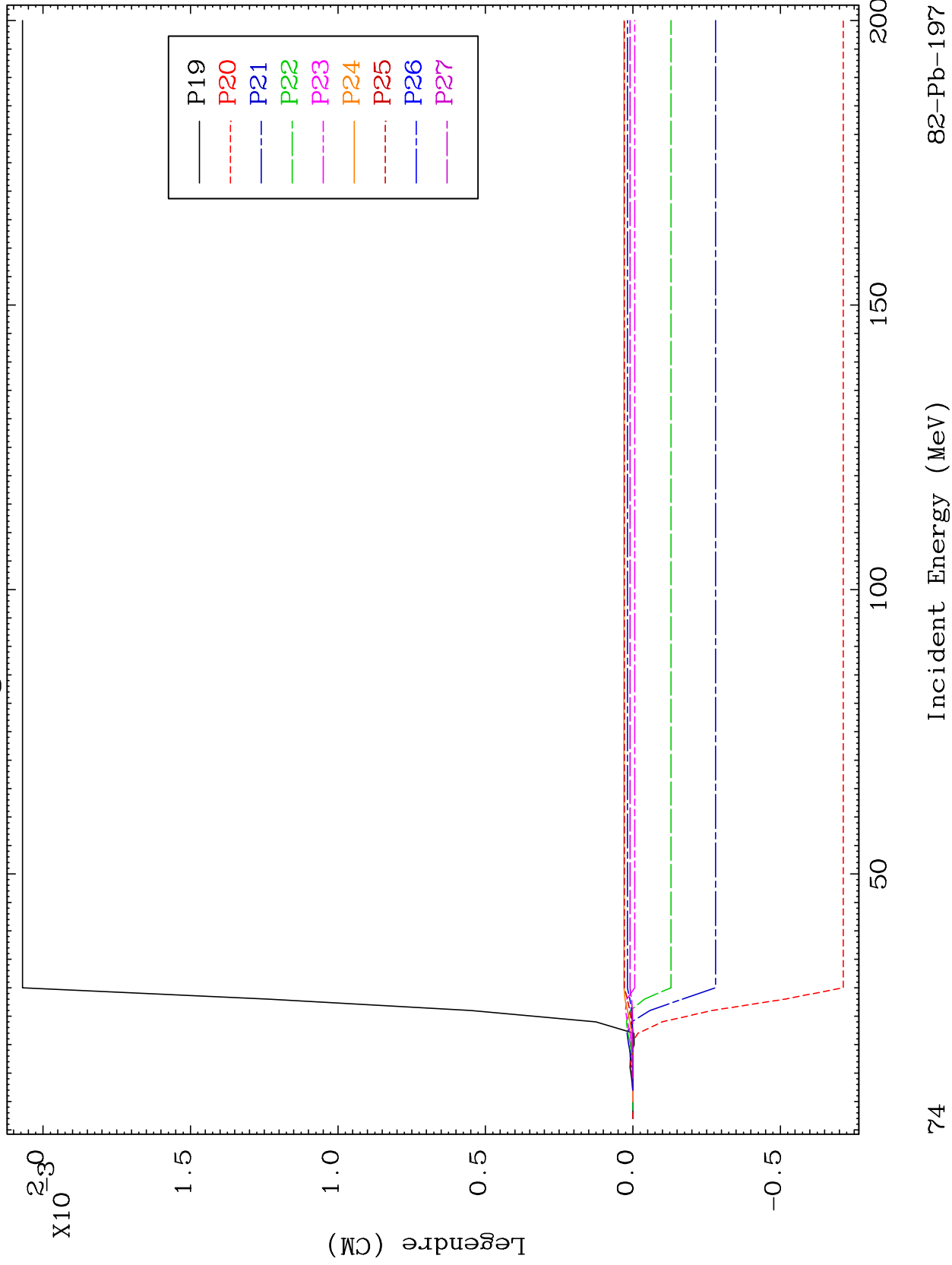
72



MAT 8204

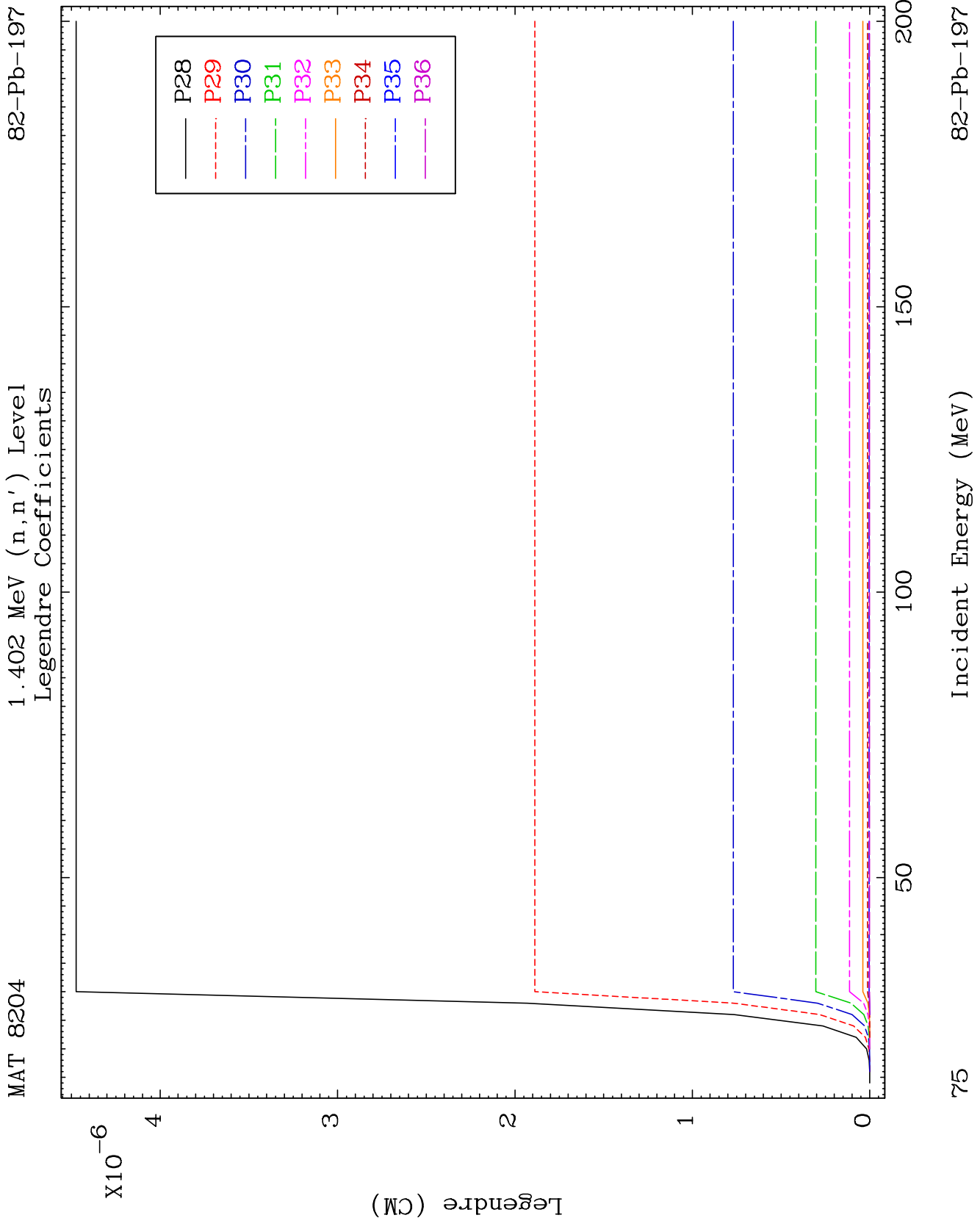
1.402 MeV (n, n') Level  
Legendre Coefficients

82-Pb-197



74

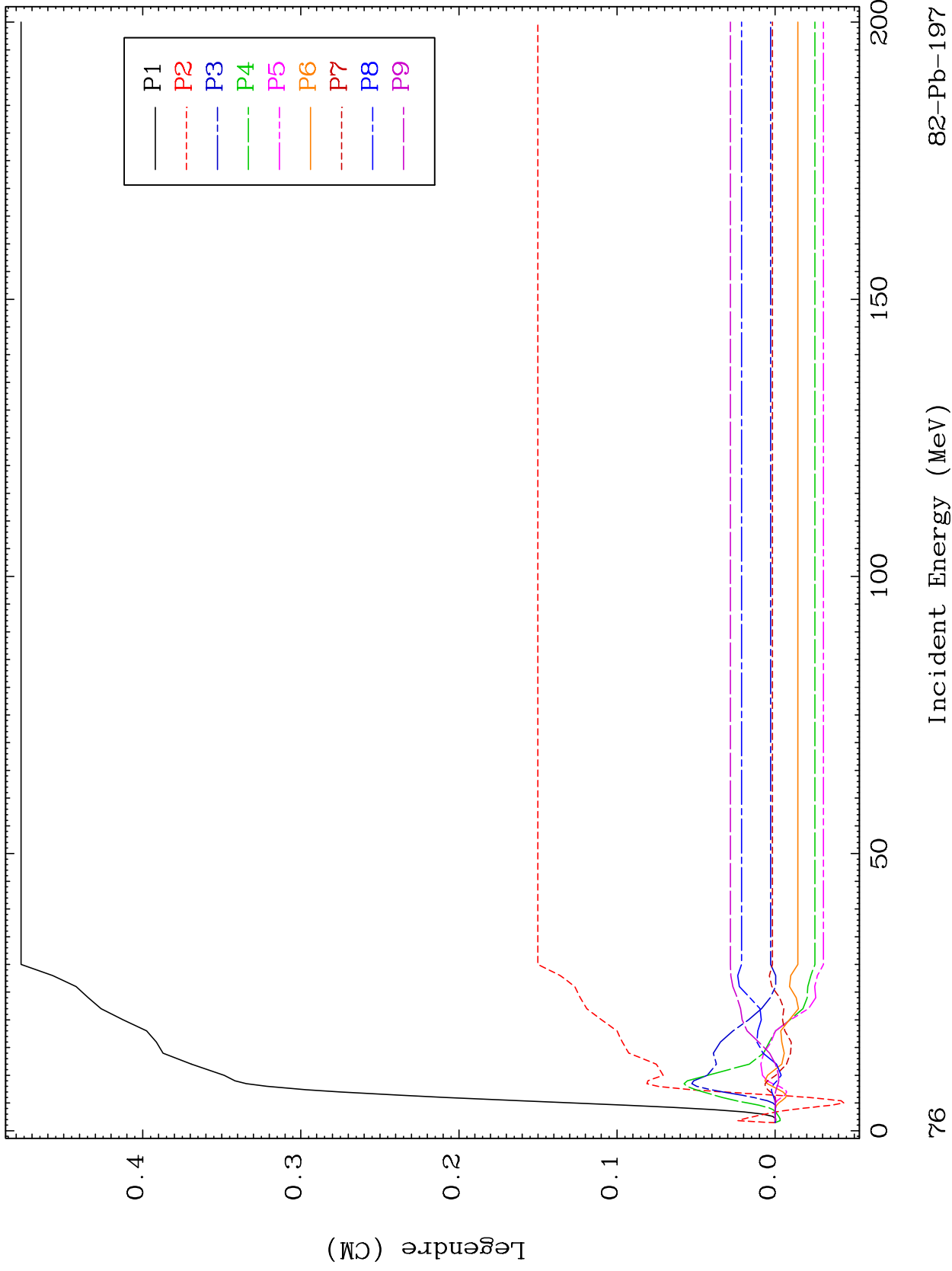
82-Pb-197



MAT 8204

1.431 MeV (n,n') Level  
Legendre Coefficients

82-Pb-197



82-Pb-197

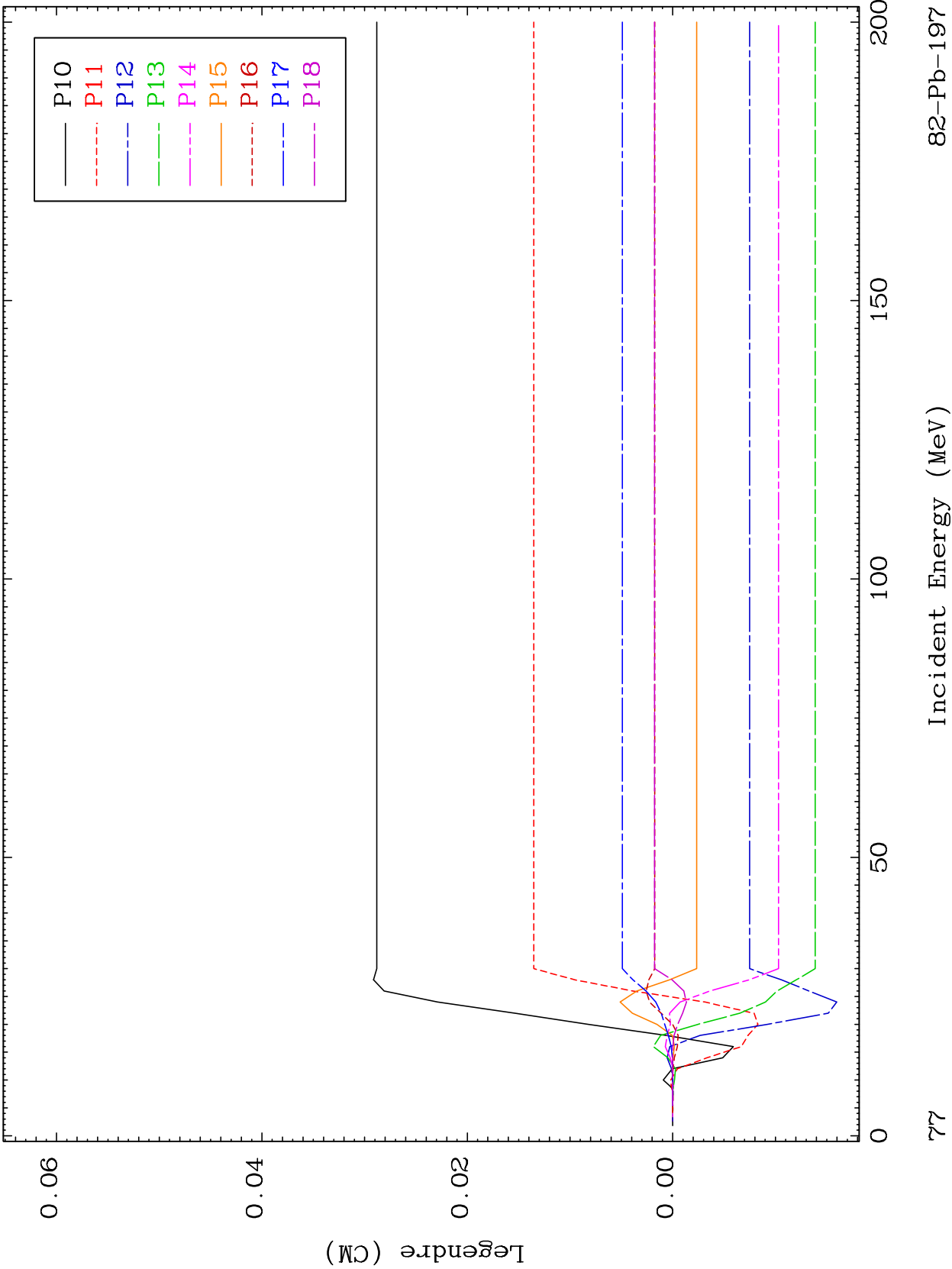
Incident Energy (MeV)

76

MAT 8204

1.431 MeV (n,n') Level  
Legendre Coefficients

82-Pb-197



77

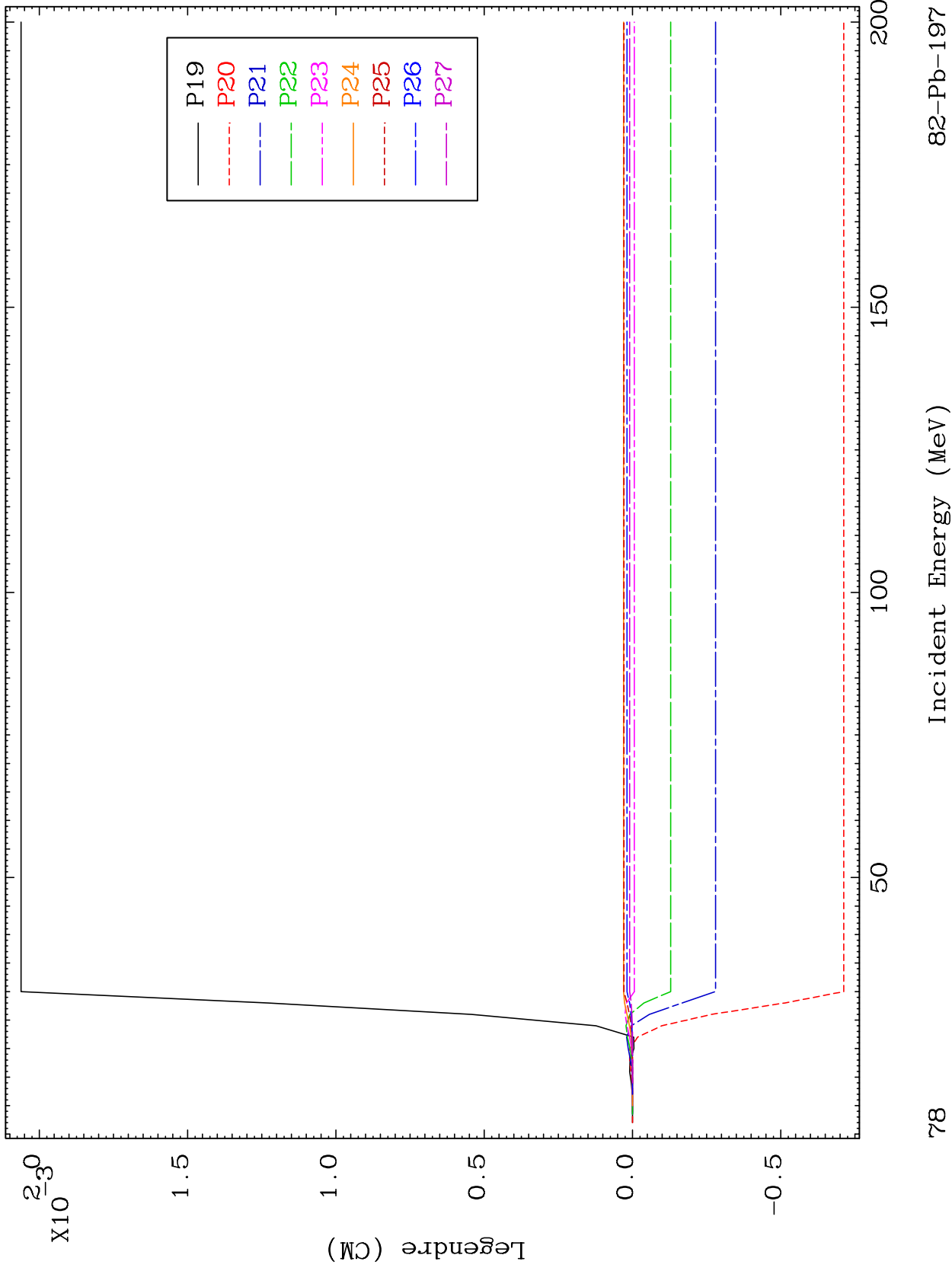
Incident Energy (MeV)

82-Pb-197

MAT 8204

1.431 MeV (n,n') Level  
Legendre Coefficients

82-Pb-197



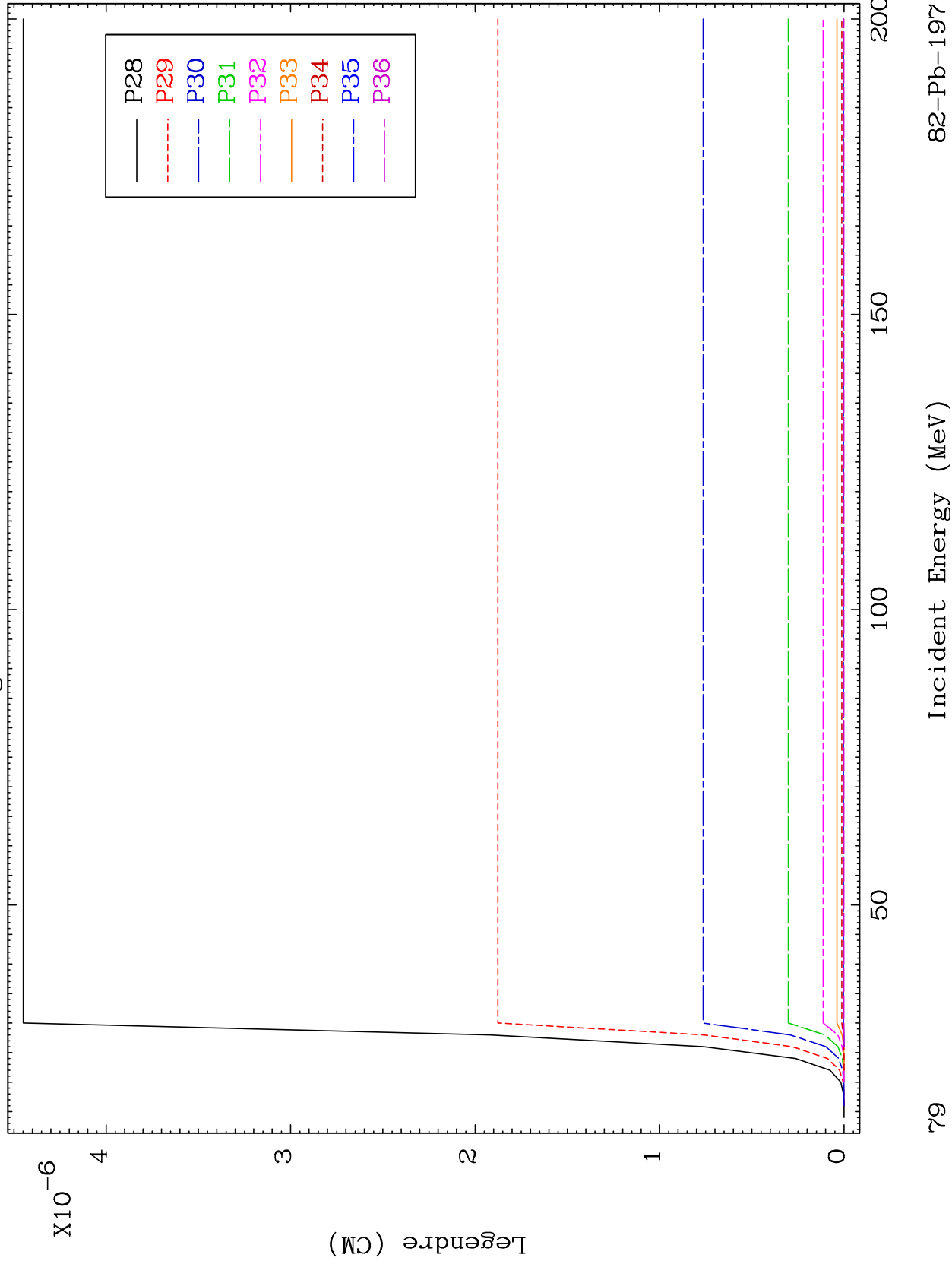
78

82-Pb-197

MAT 8204

1.431 MeV (n,n') Level  
Legendre Coefficients

82-Pb-197

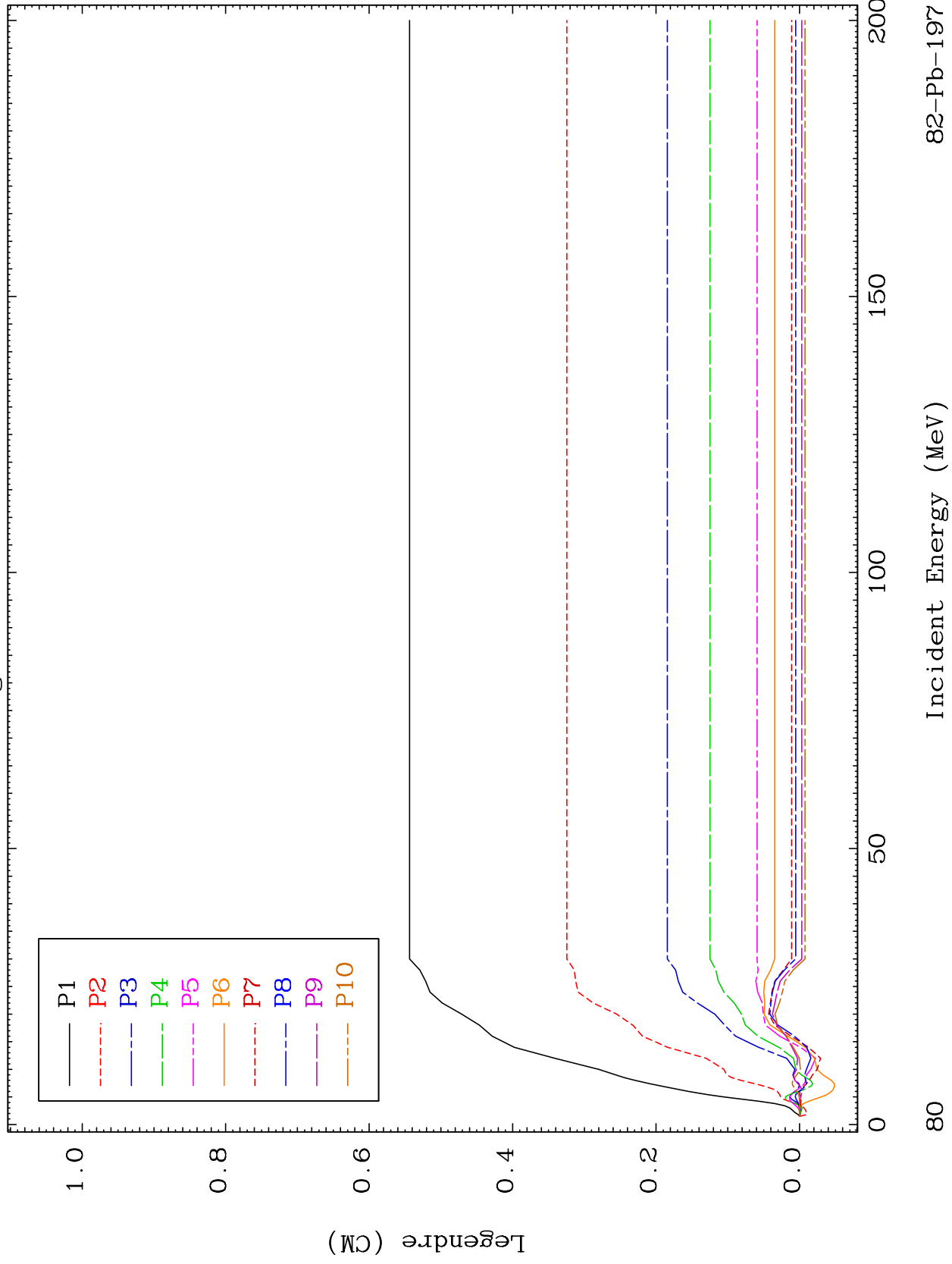




MAT 8204

1.473 MeV (n,n') Level  
Legendre Coefficients

82-Pb-197

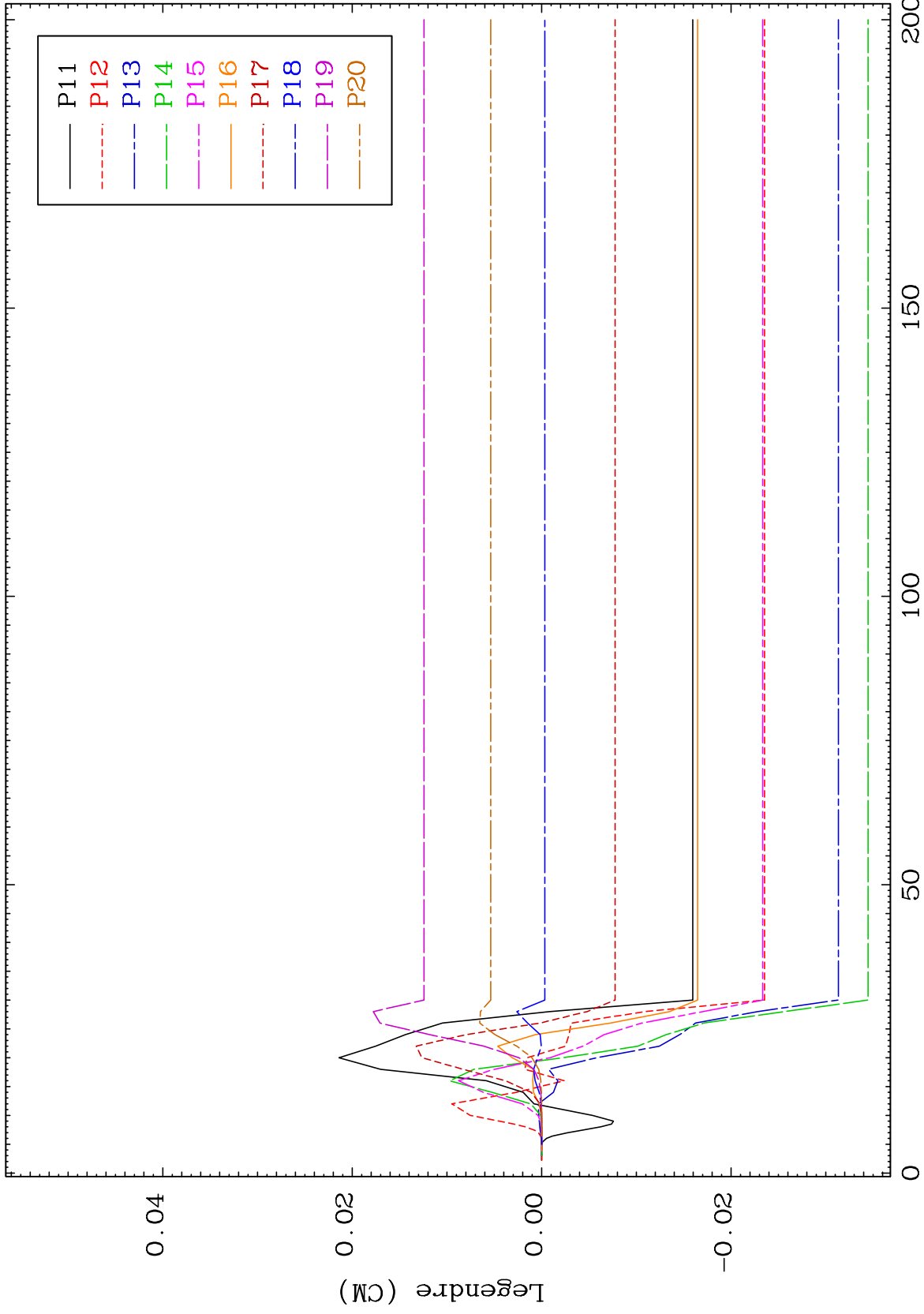


82-Pb-197

MAT 8204

1.473 MeV (n,n') Level  
Legendre Coefficients

82-Pb-197



81

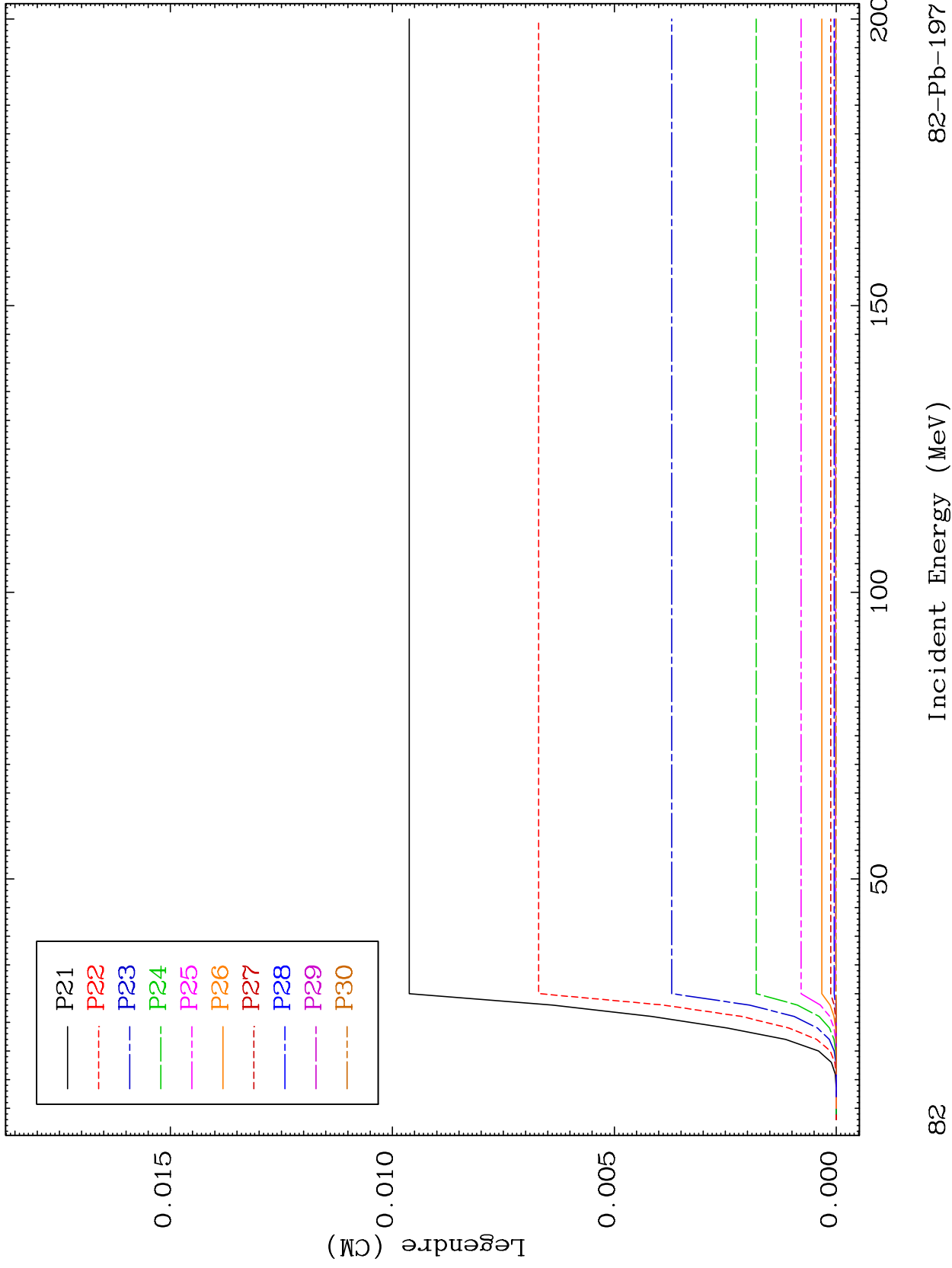
Incident Energy (MeV)

82-Pb-197

MAT 8204

1.473 MeV (n,n') Level  
Legendre Coefficients

82-Pb-197



82

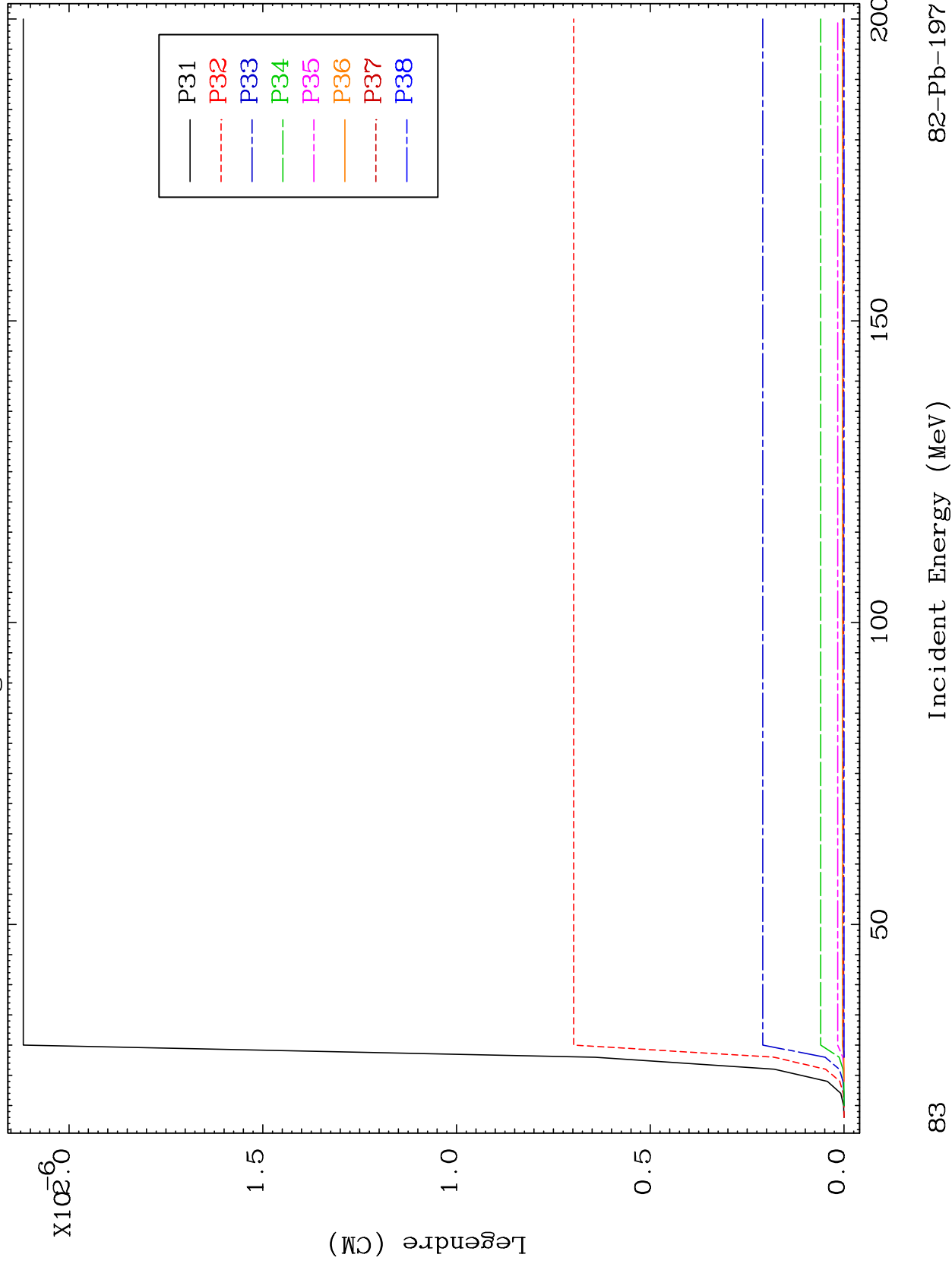
Incident Energy (MeV)

82-Pb-197

MAT 8204

1.473 MeV (n, n') Level  
Legendre Coefficients

82-Pb-197

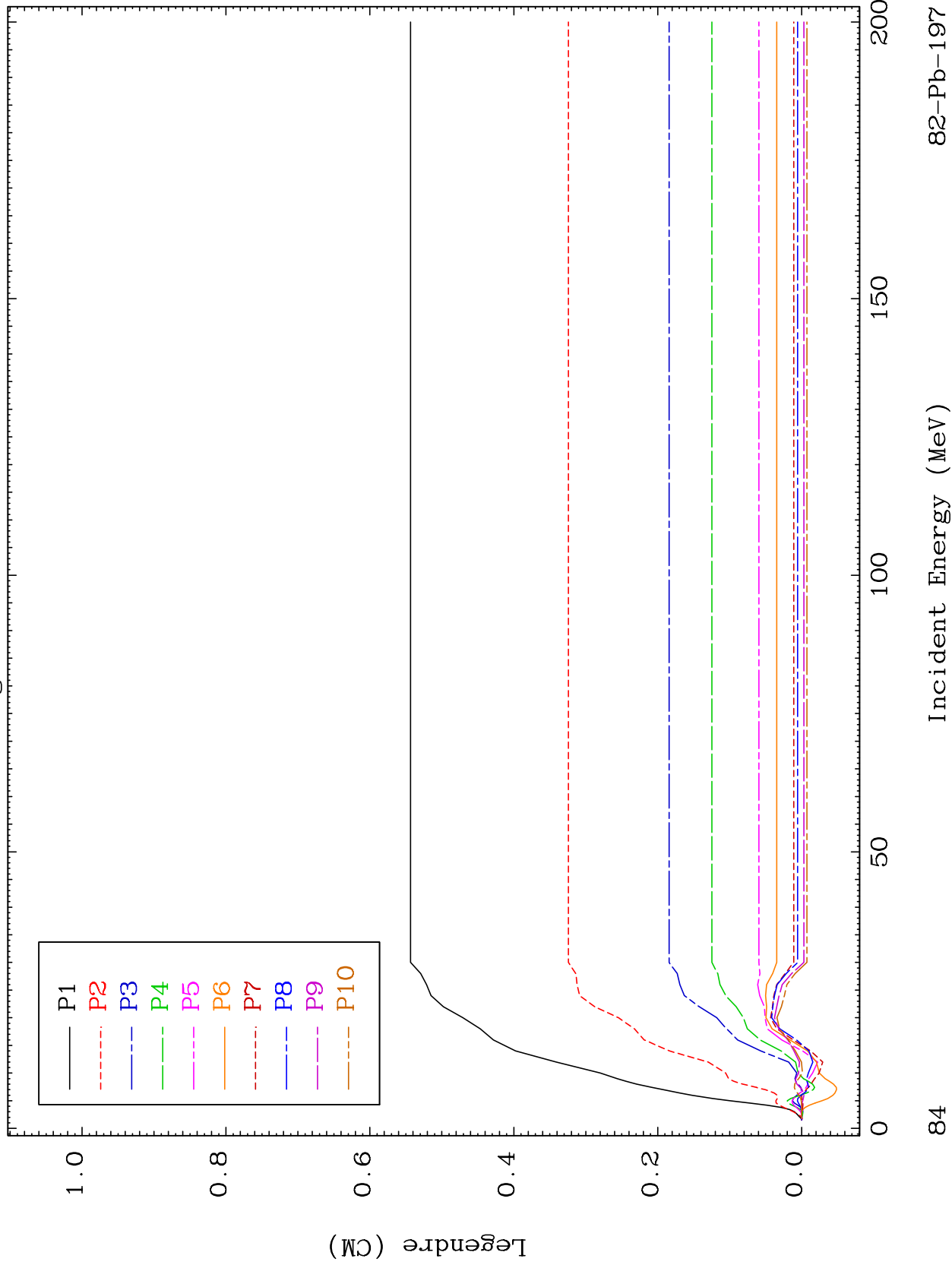


83

MAT 8204

1.495 MeV (n,n') Level  
Legendre Coefficients

82-Pb-197



84

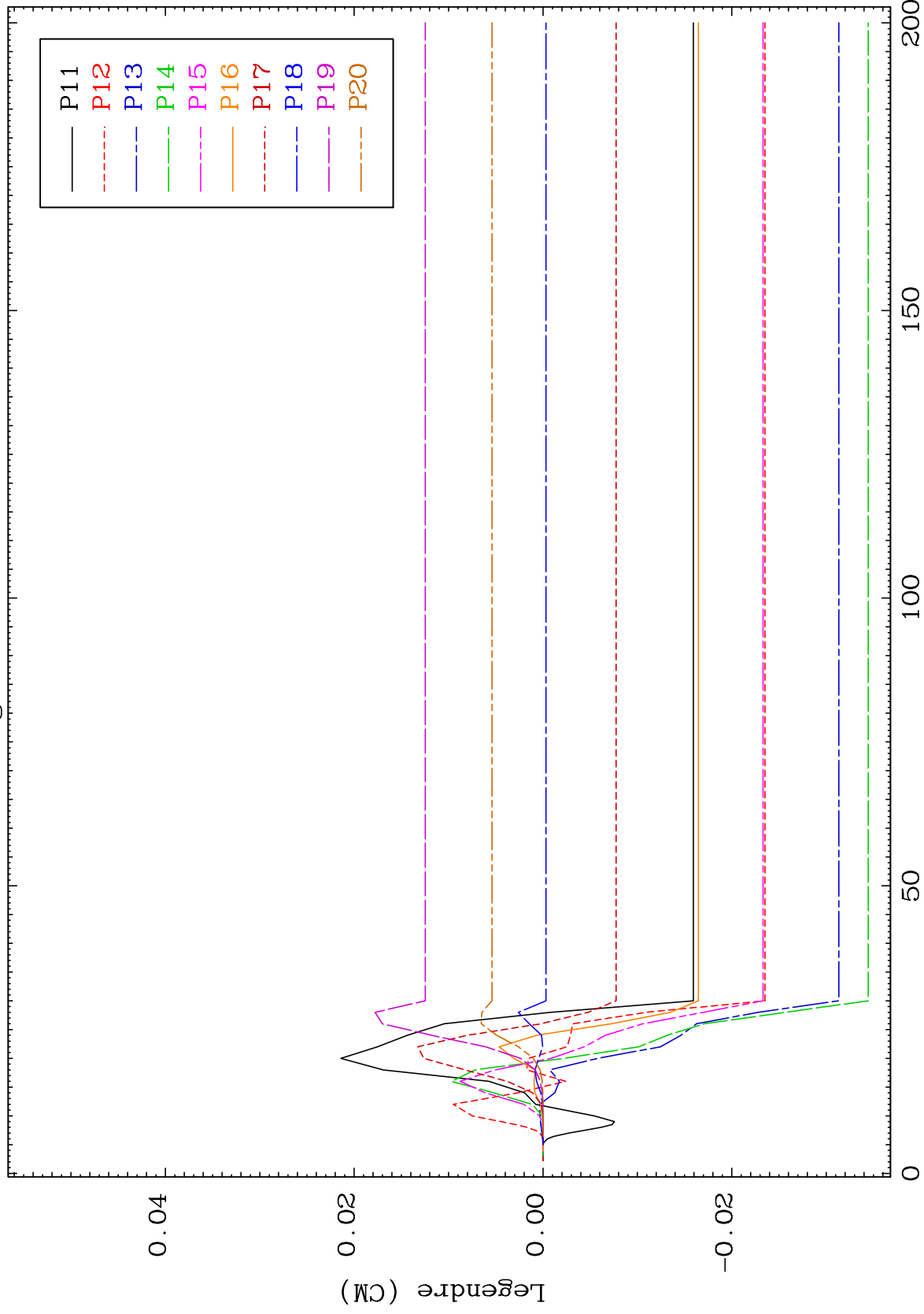
Incident Energy (MeV)

82-Pb-197

MAT 8204

1.495 MeV (n,n') Level  
Legendre Coefficients

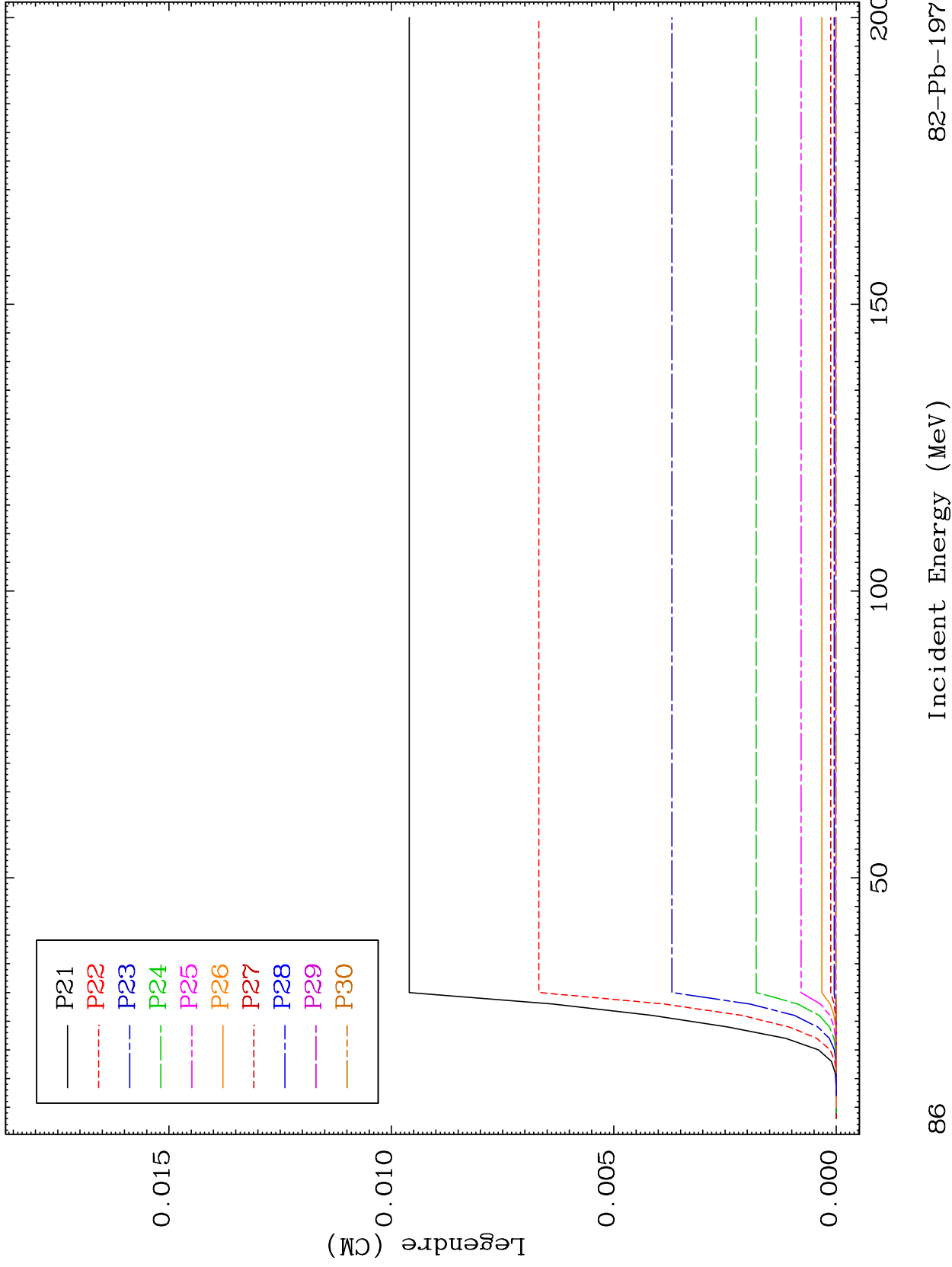
82-Pb-197



85

Incident Energy (MeV)

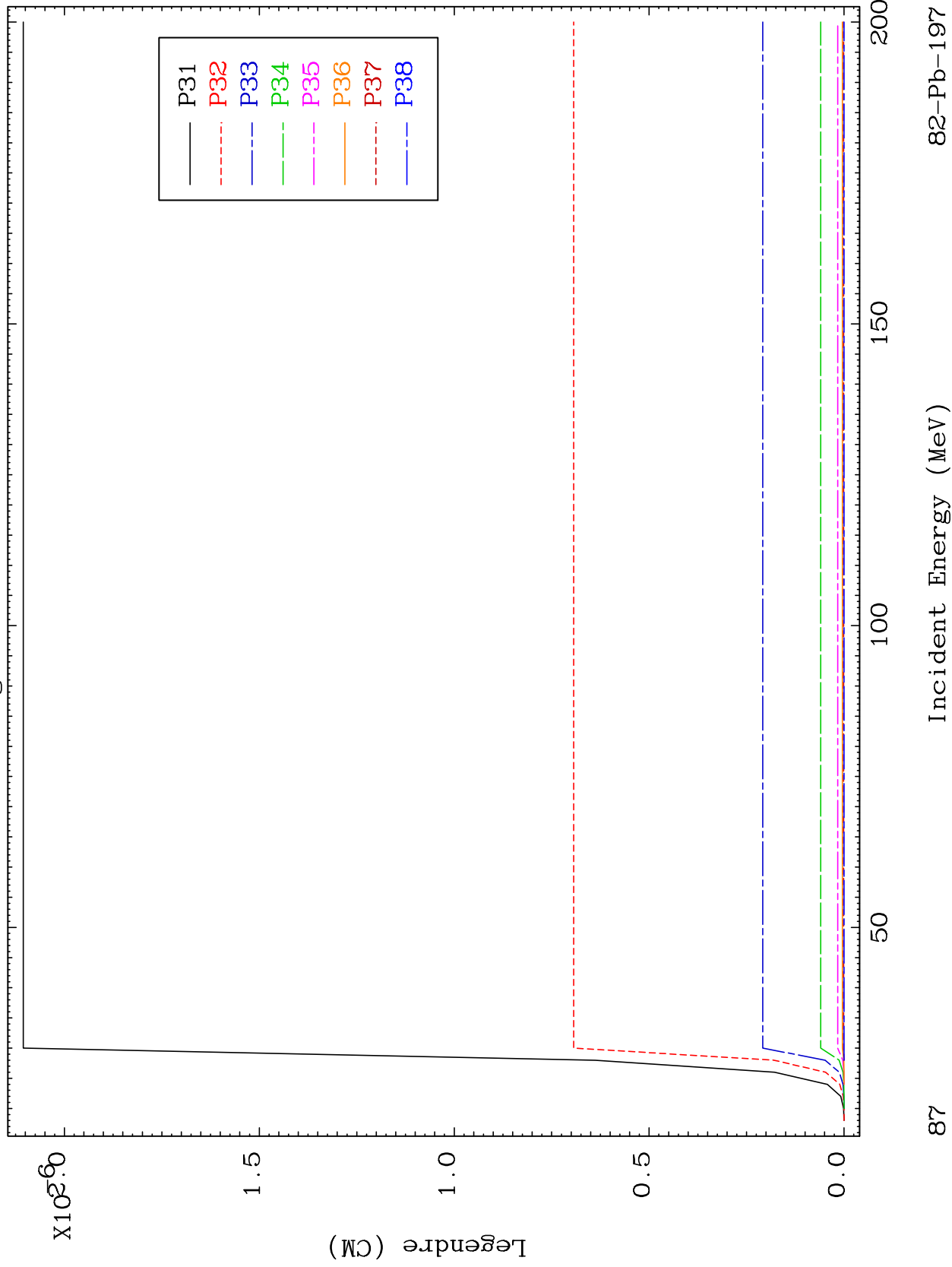
82-Pb-197



MAT 8204

1.495 MeV (n, n') Level  
Legendre Coefficients

82-Pb-197

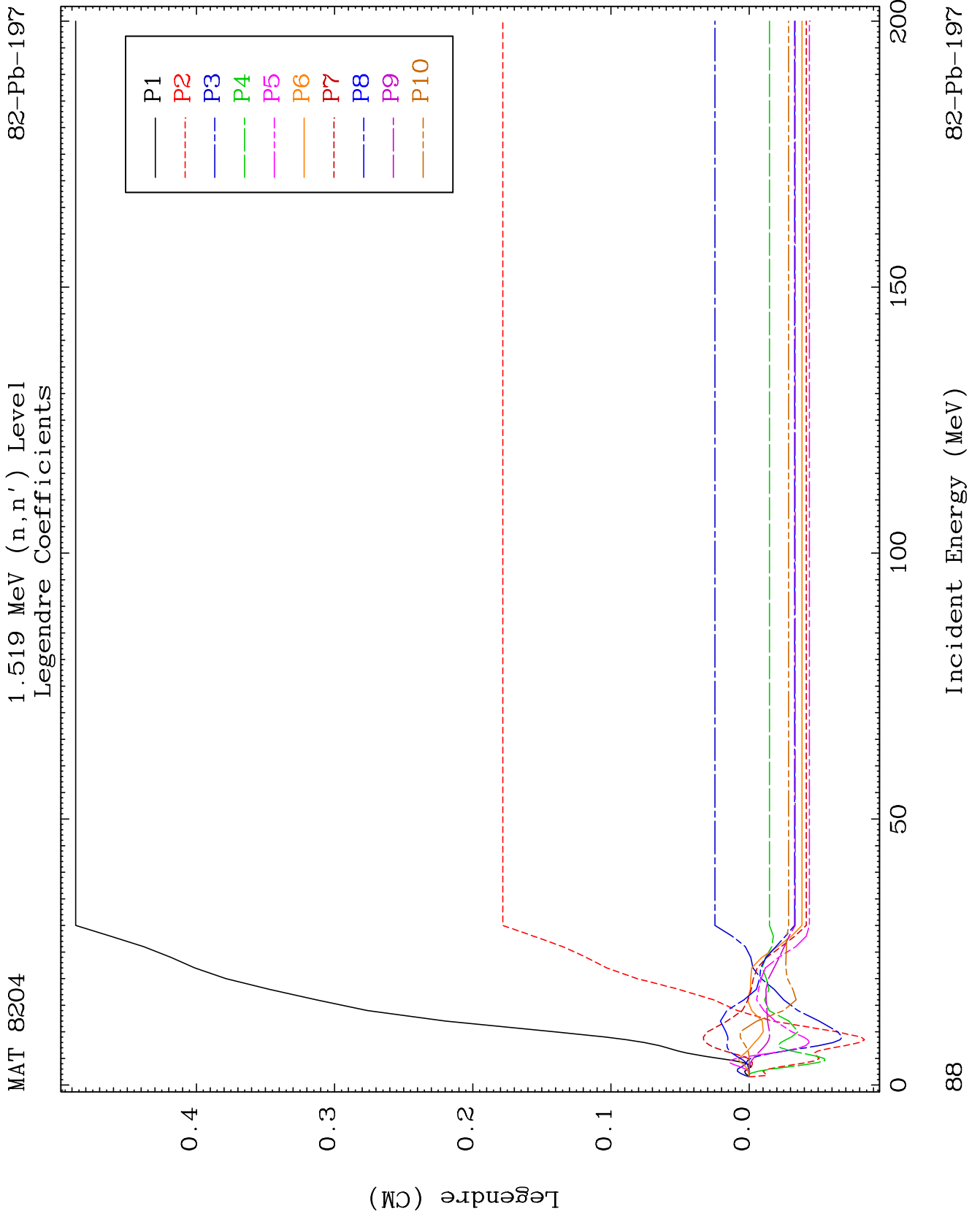


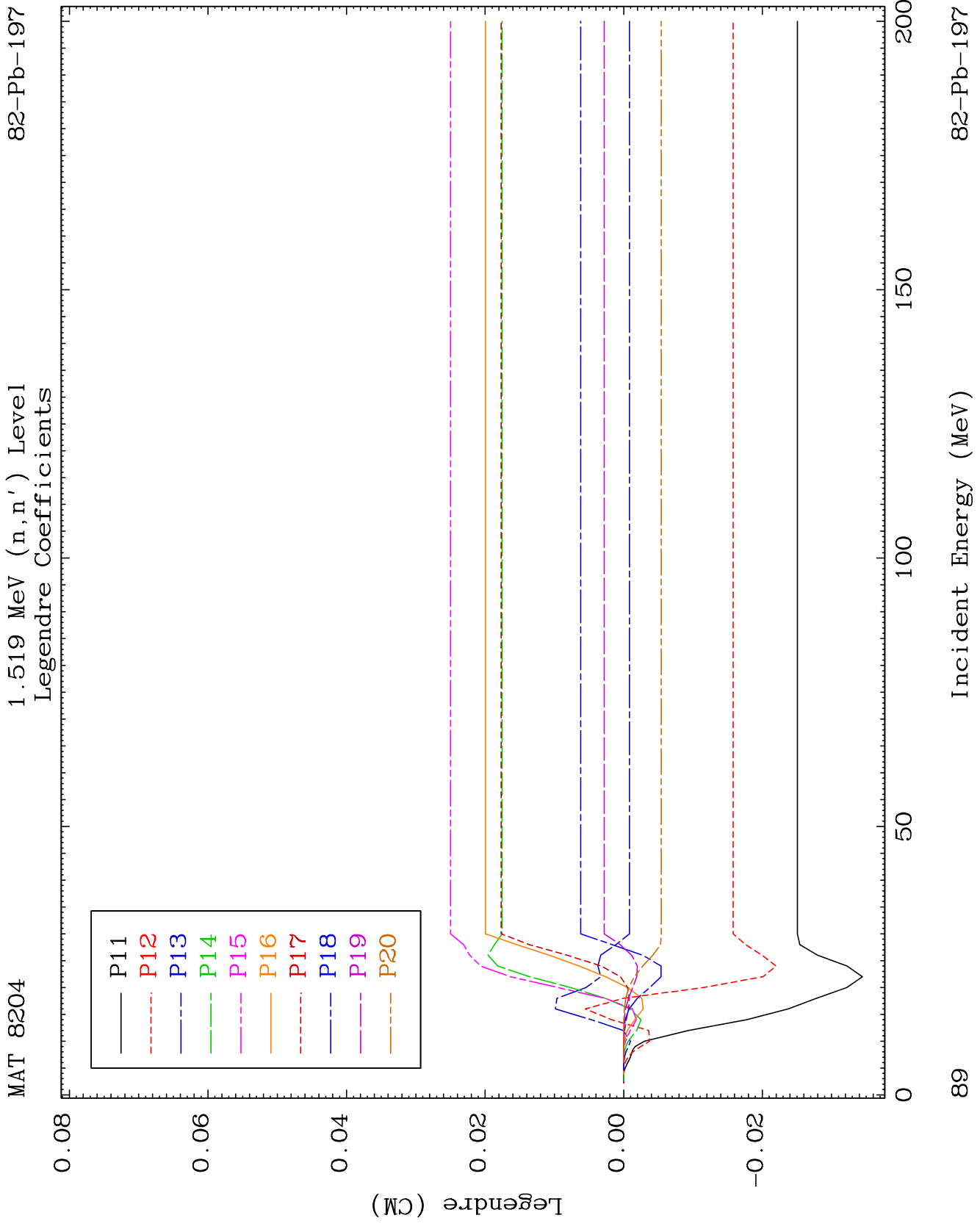
87

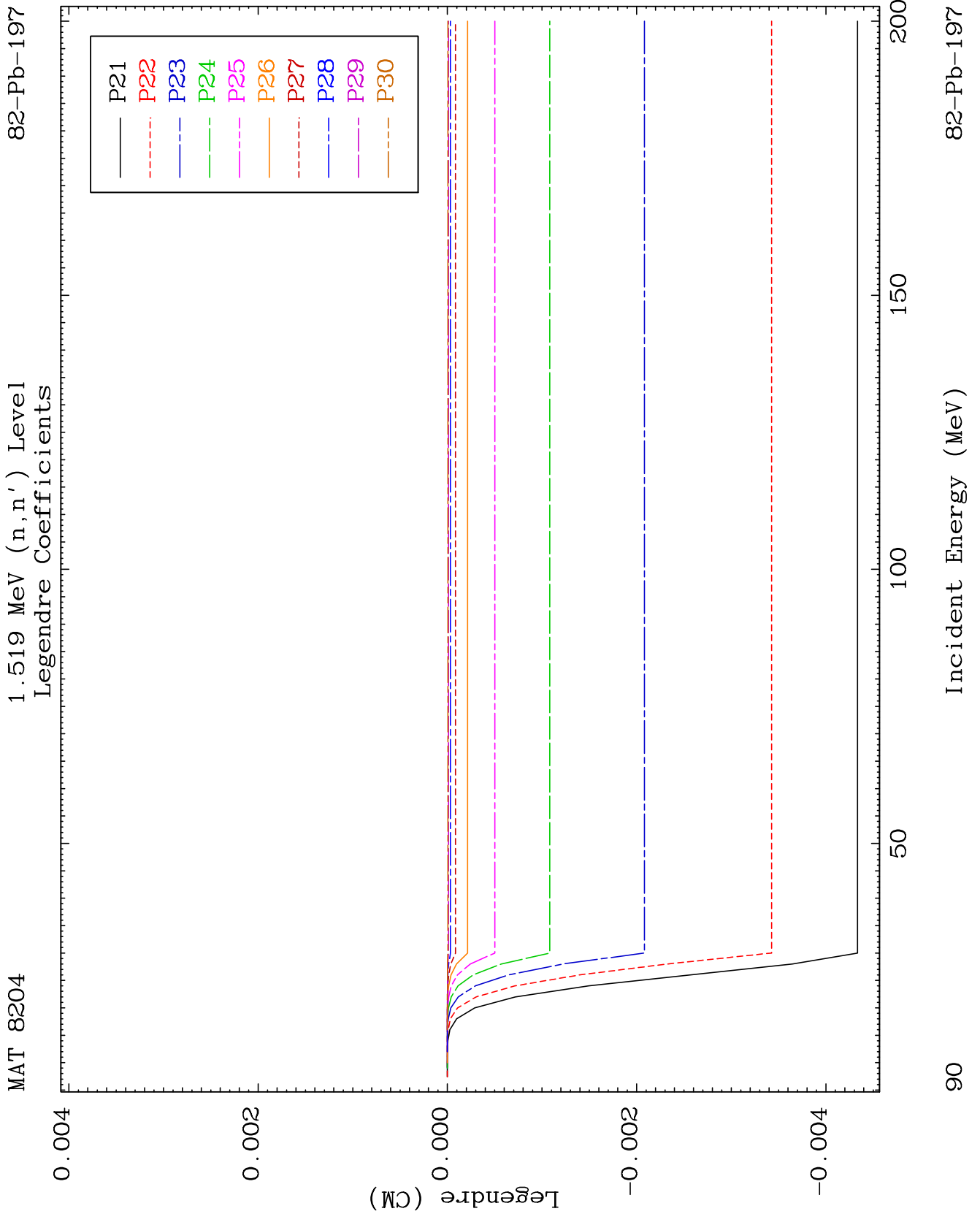
Incident Energy (MeV)

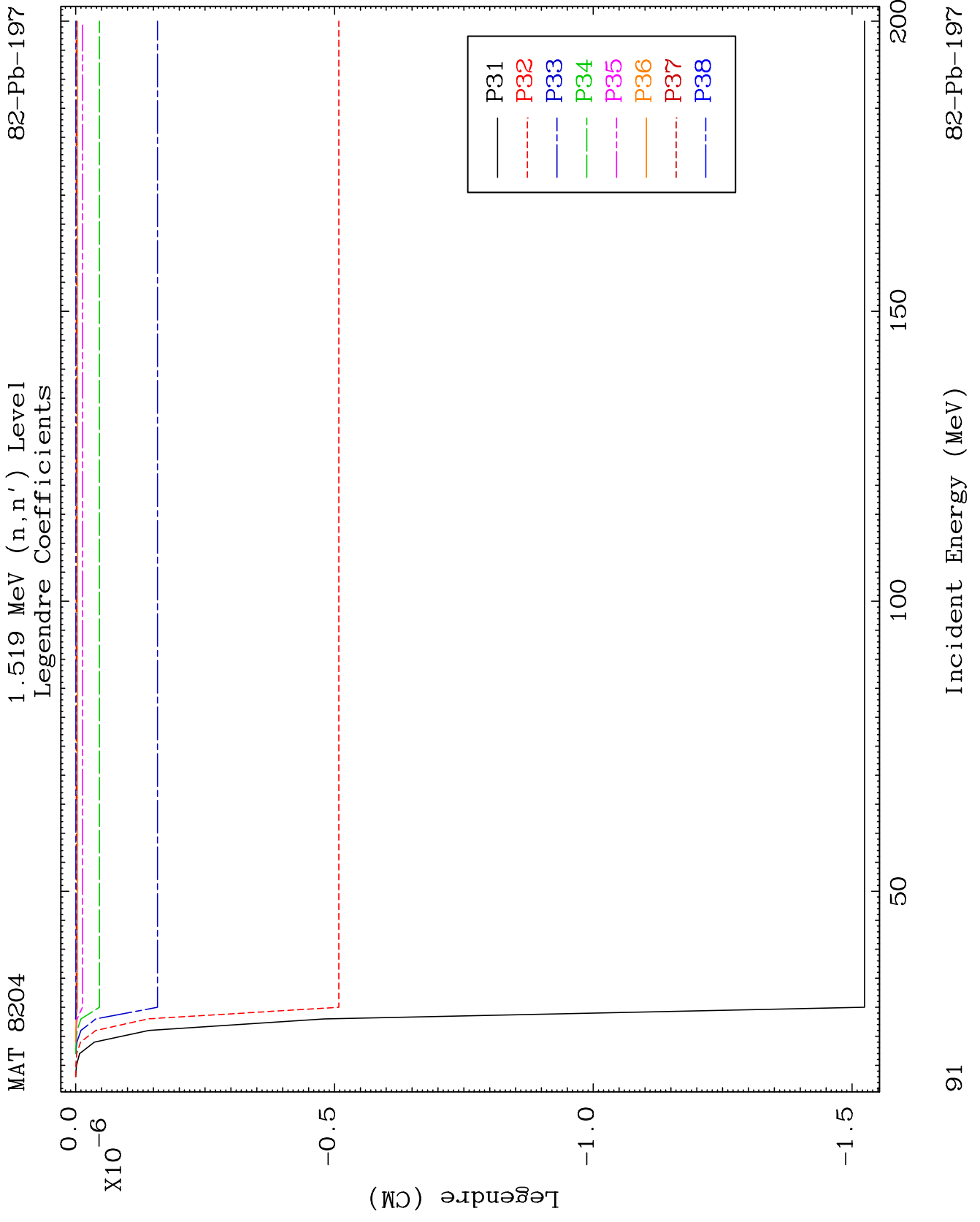
82-Pb-197

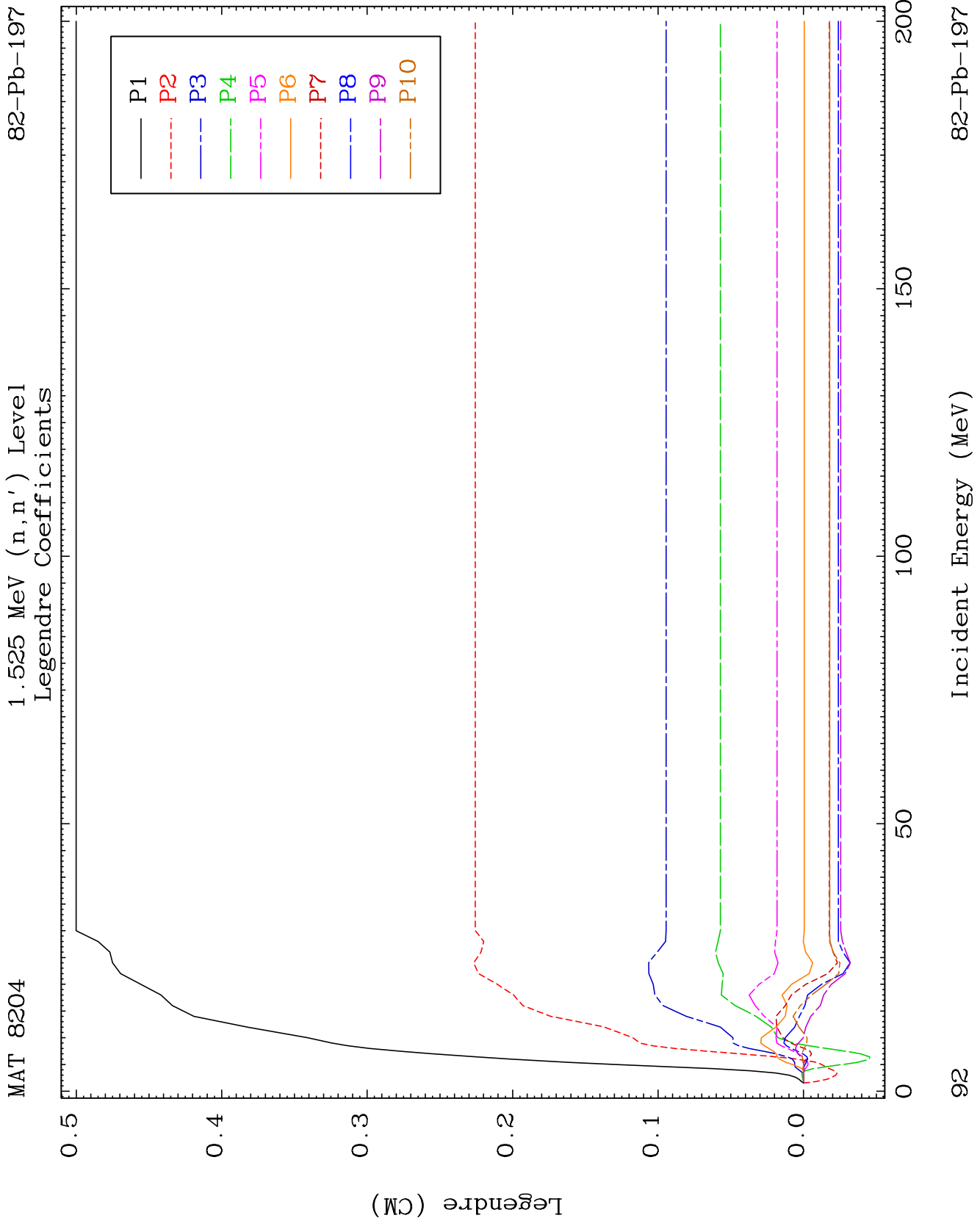








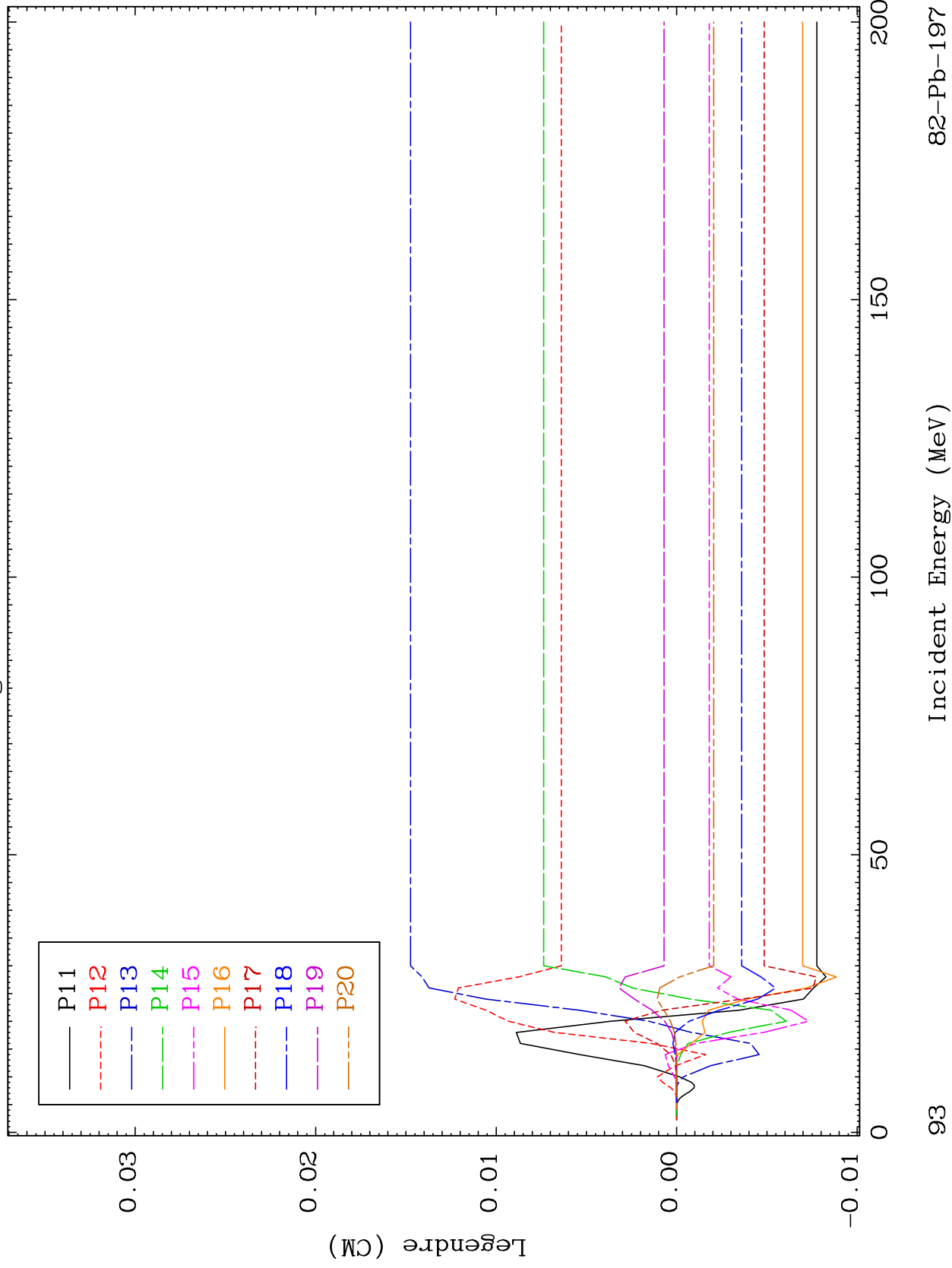




MAT 8204

1.525 MeV (n,n') Level  
Legendre Coefficients

82-Pb-197



93

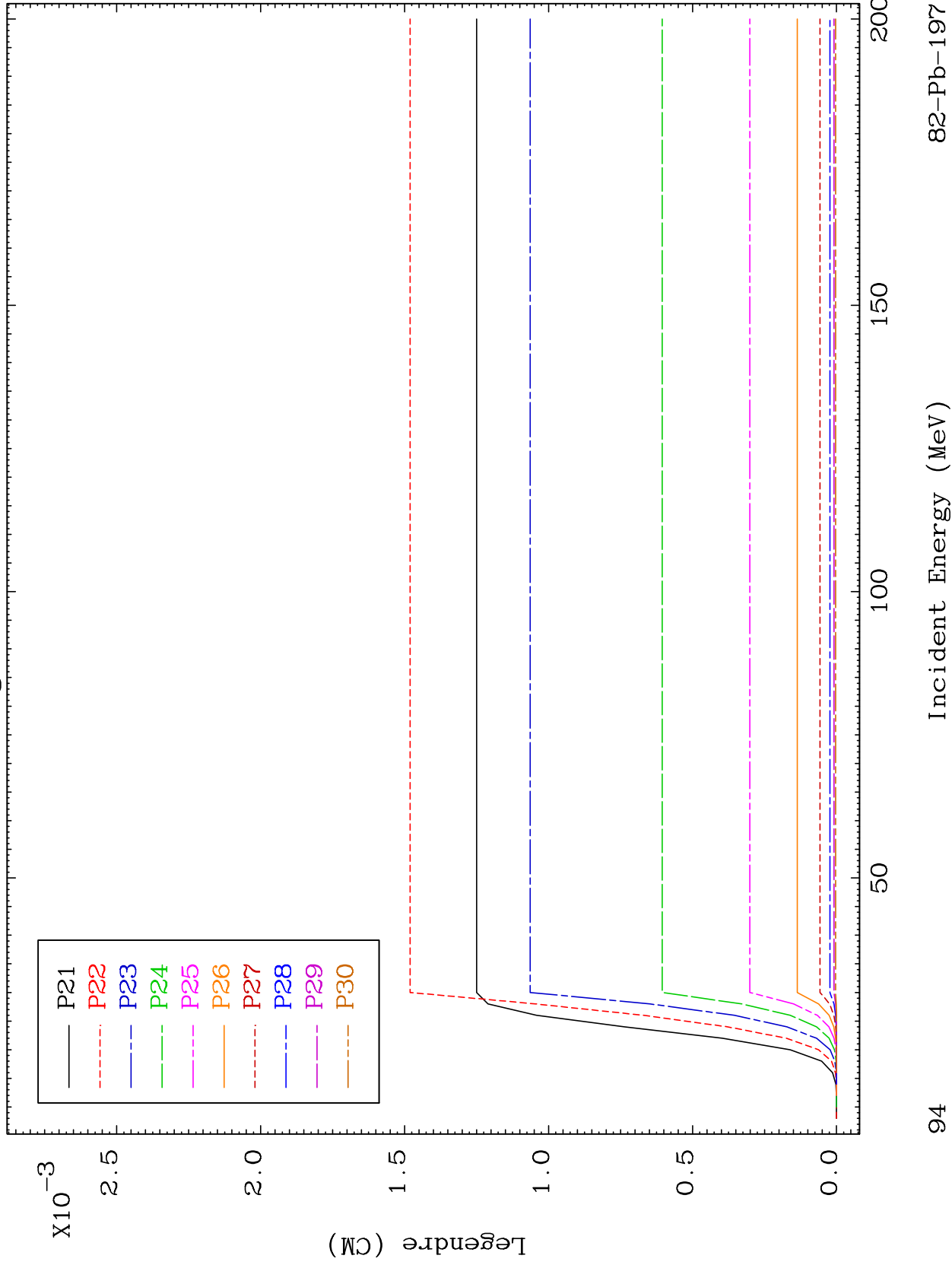
Incident Energy (MeV)

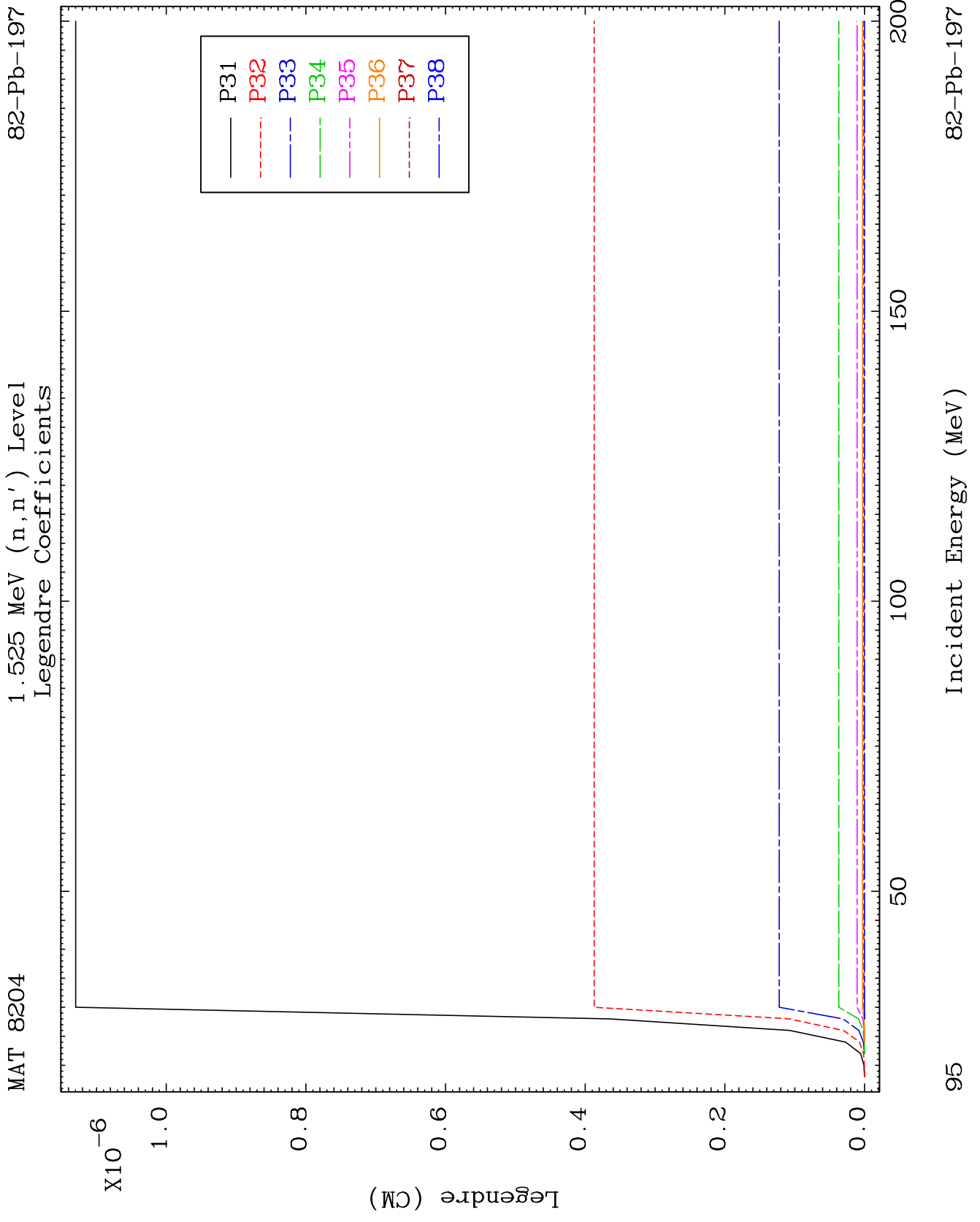
82-Pb-197

MAT 8204

1.525 MeV (n,n') Level  
Legendre Coefficients

82-Pb-197





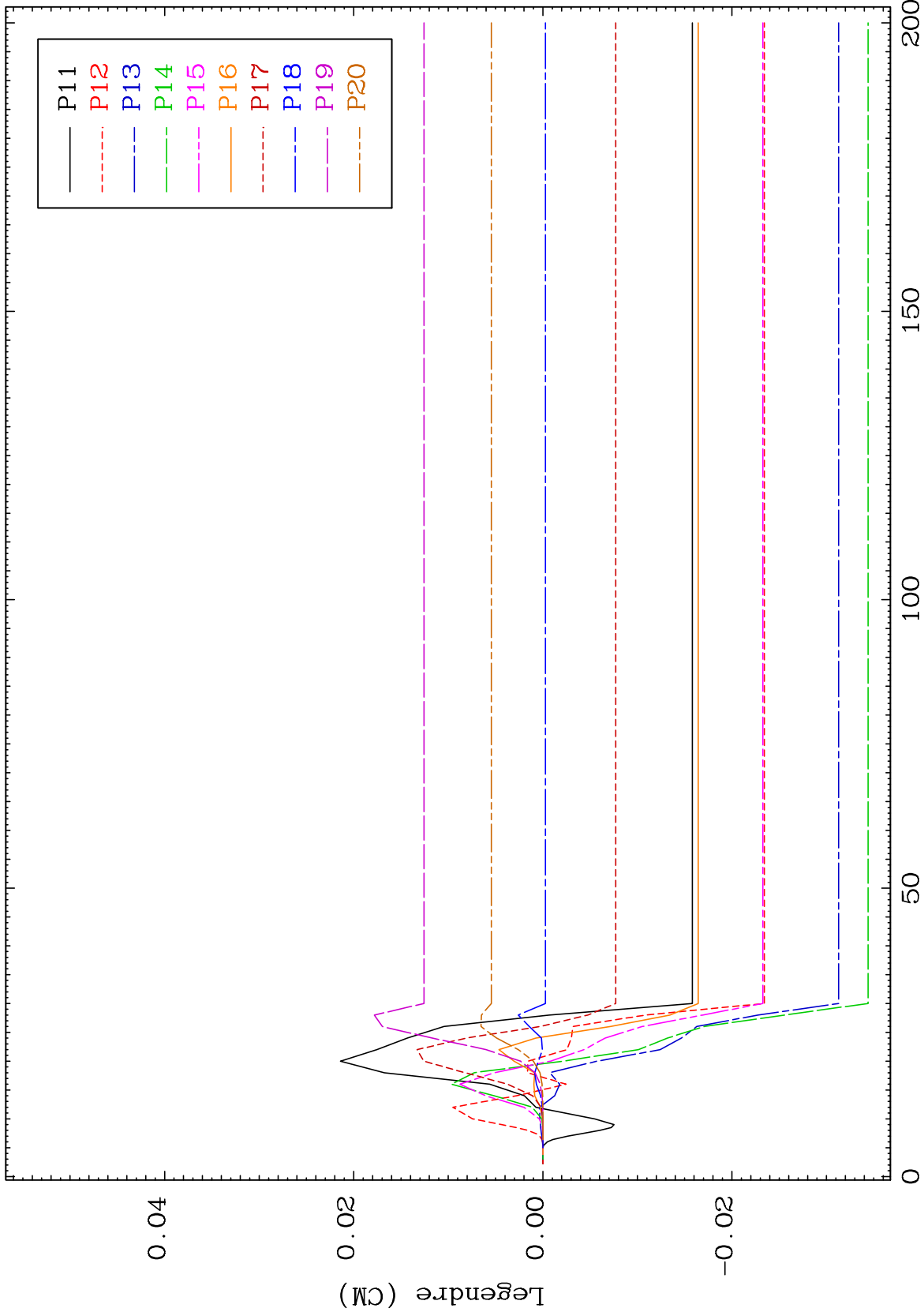




MAT 8204

1.539 MeV (n,n') Level Legendre Coefficients

82-Pb-197



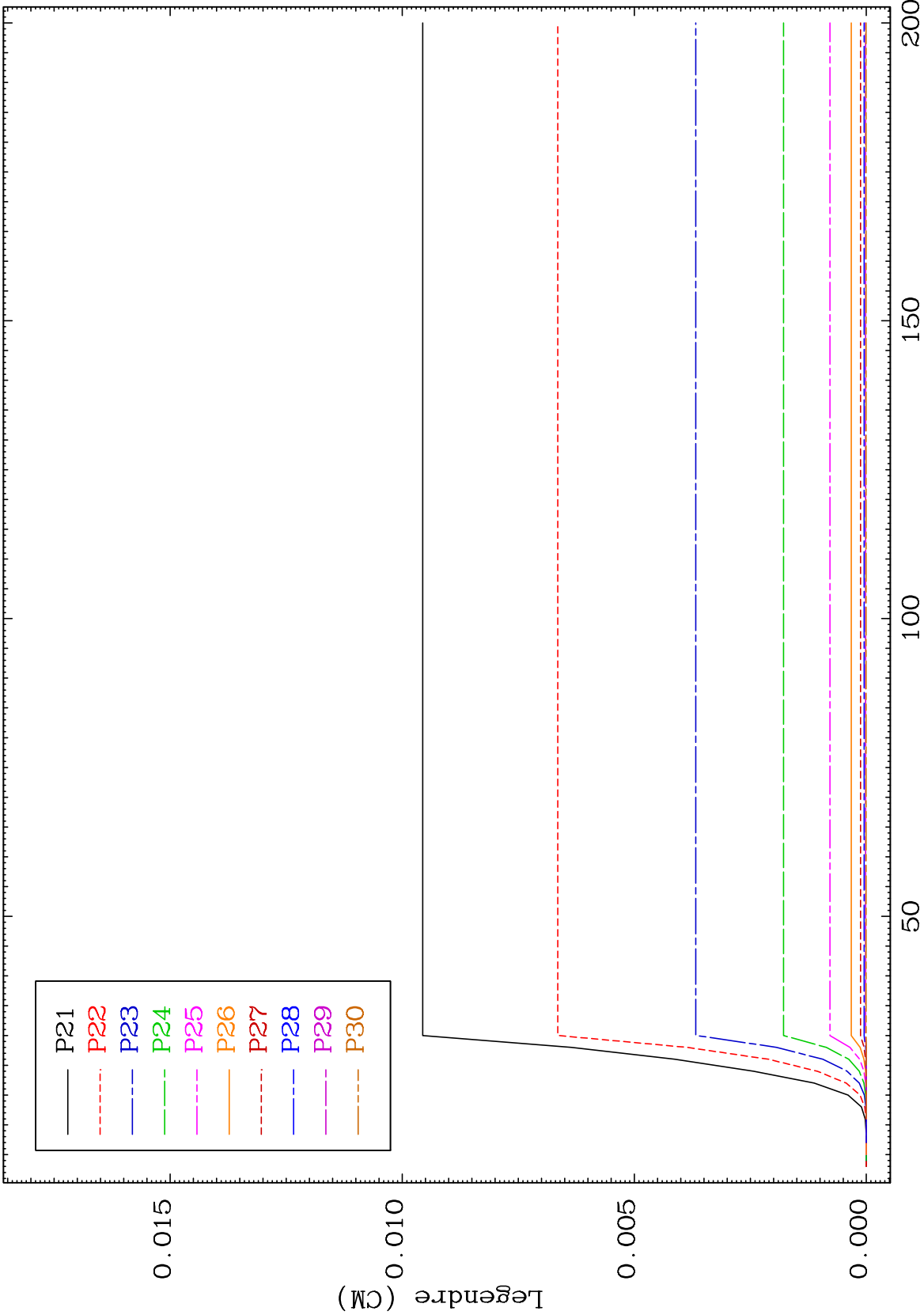
97

82-Pb-197

MAT 8204

1.539 MeV (n,n') Level  
Legendre Coefficients

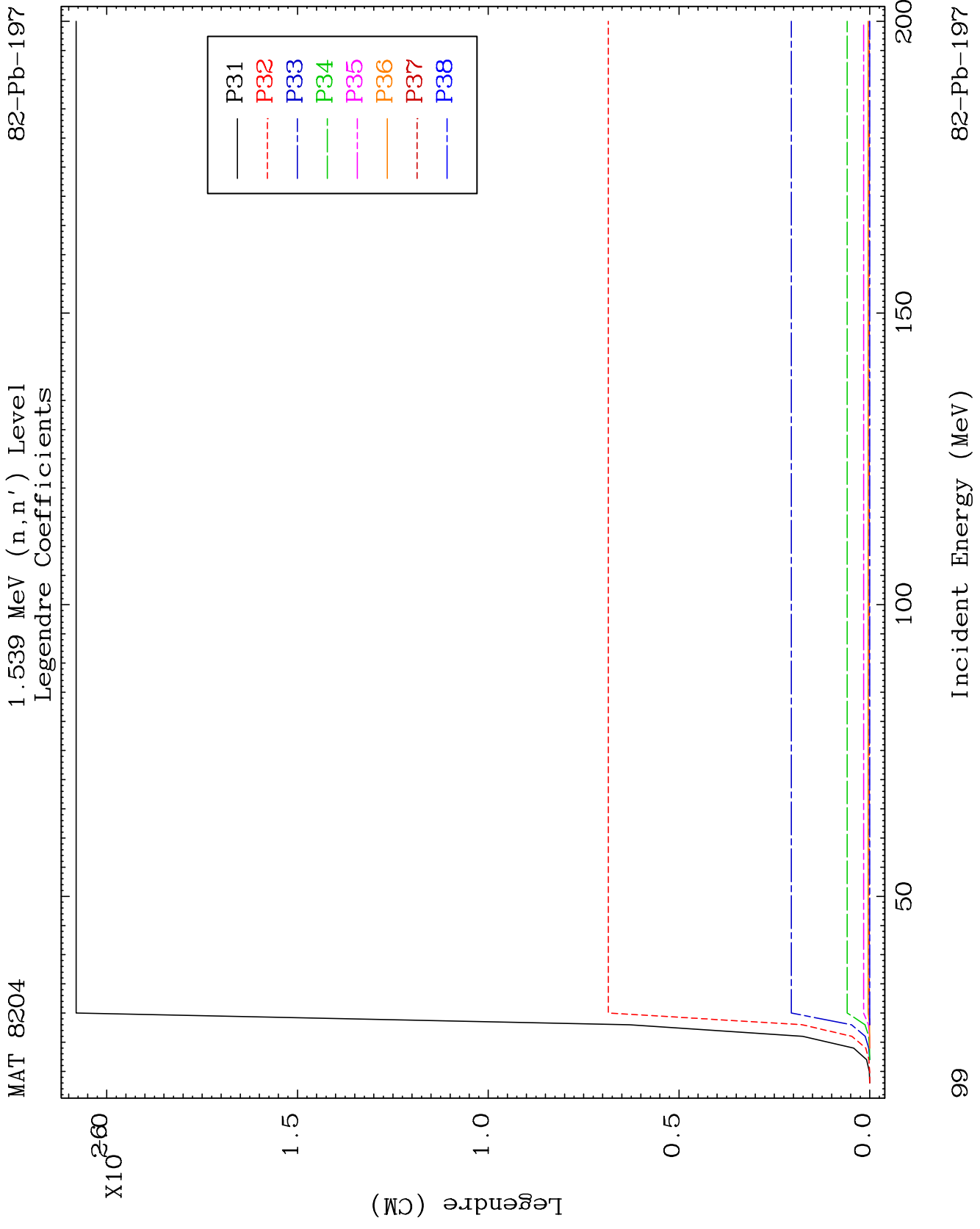
82-Pb-197

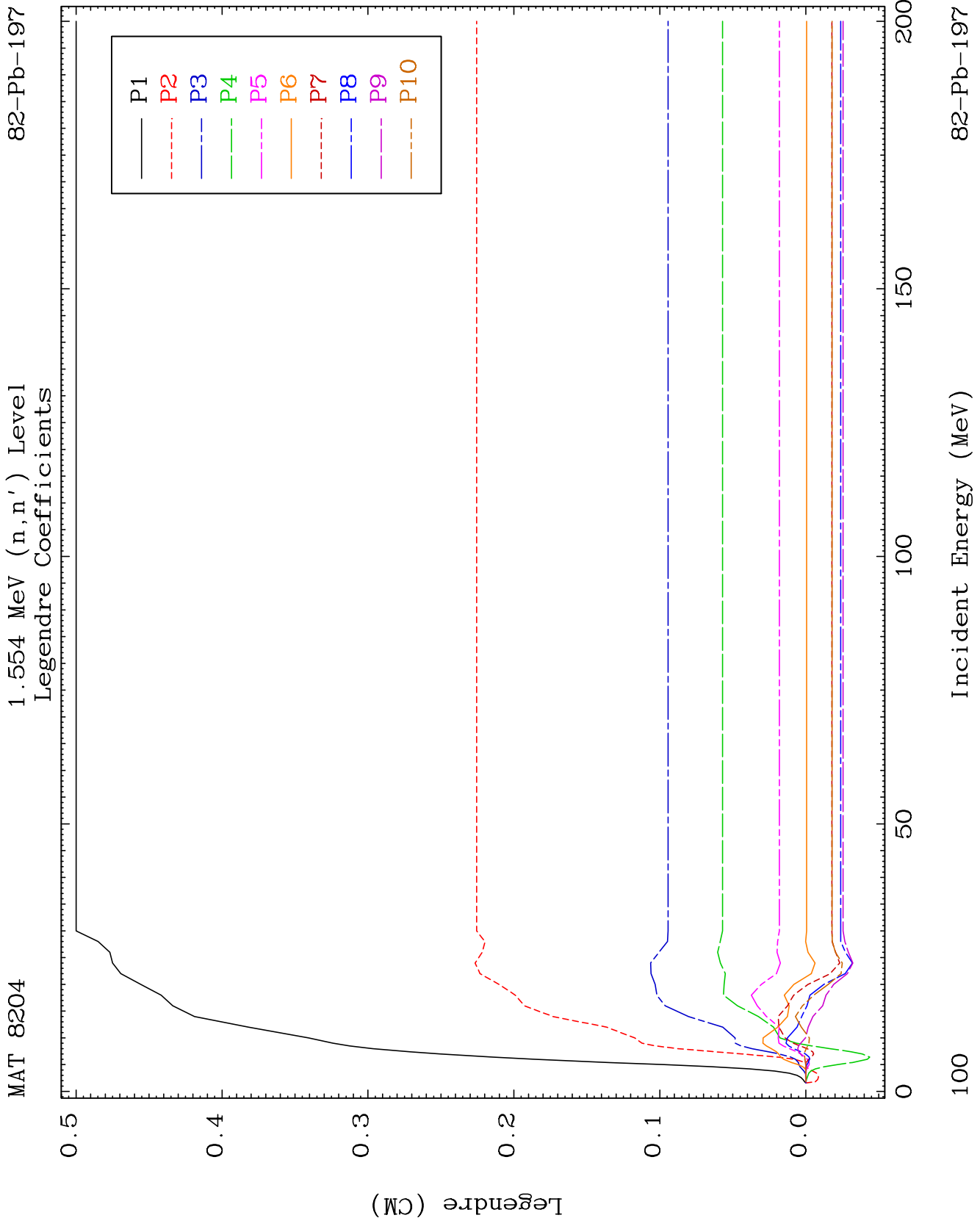


98

Incident Energy (MeV)

82-Pb-197

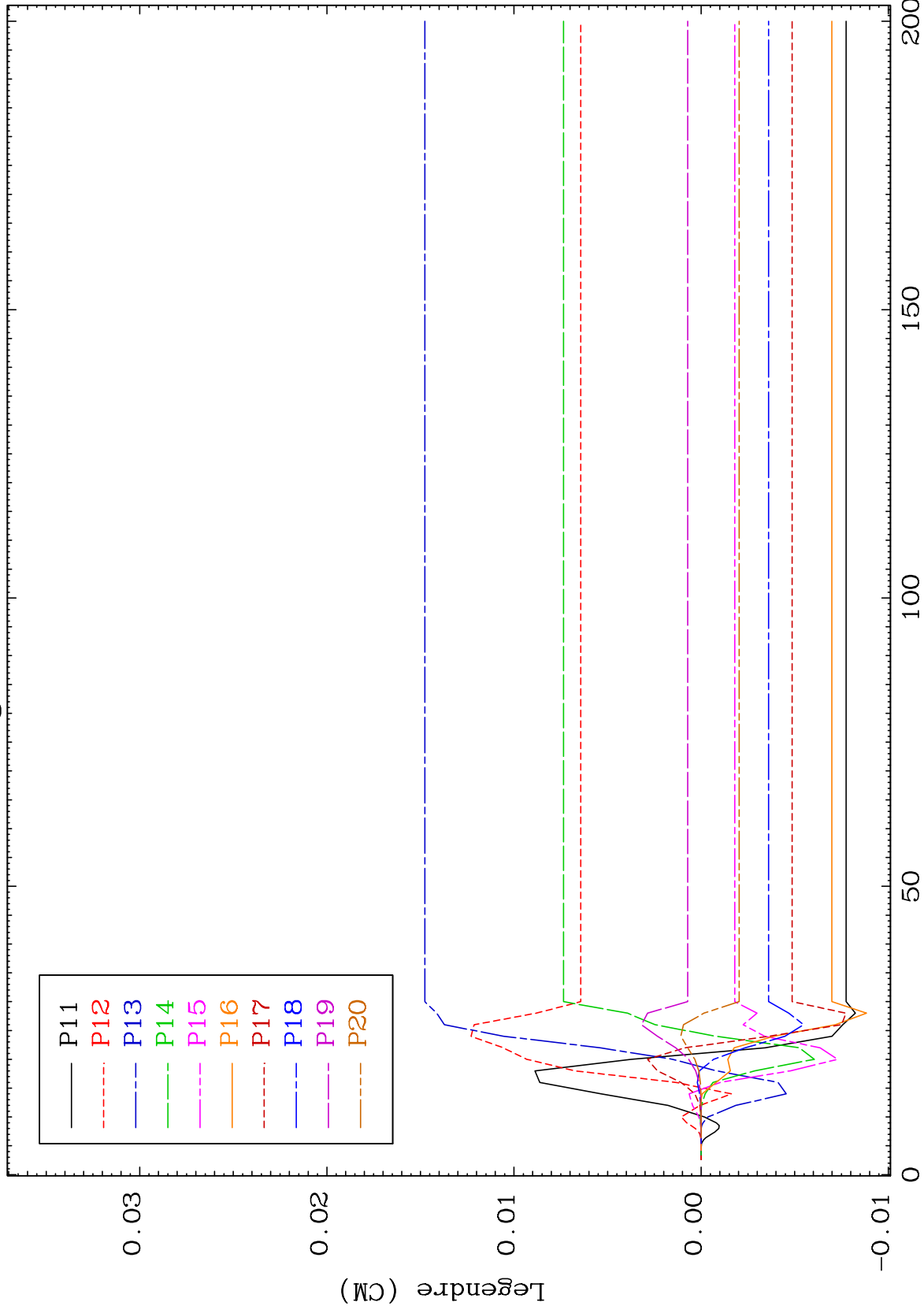




MAT 8204

1.554 MeV (n,n') Level  
Legendre Coefficients

82-Pb-197



101

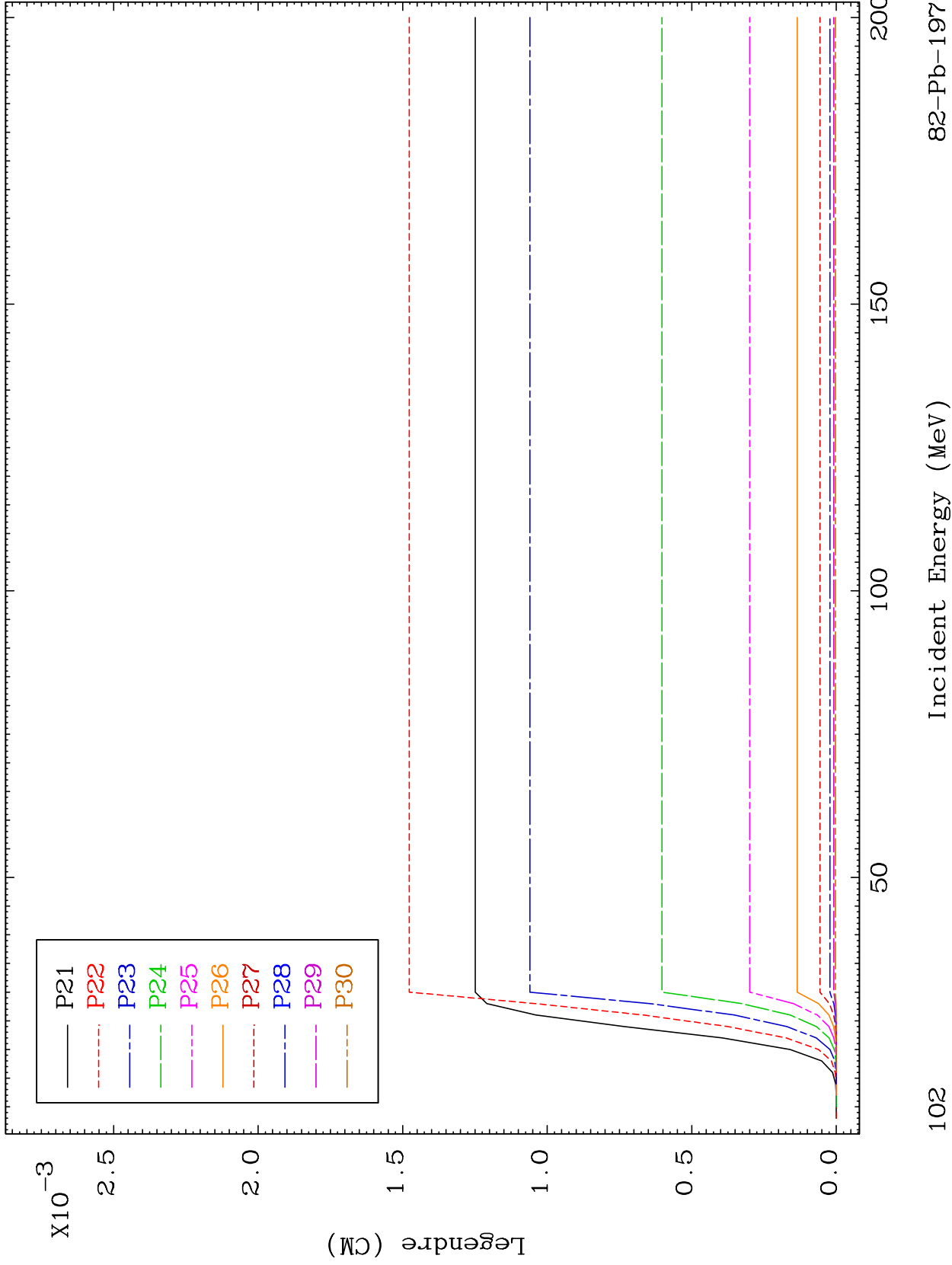
Incident Energy (MeV)

82-Pb-197

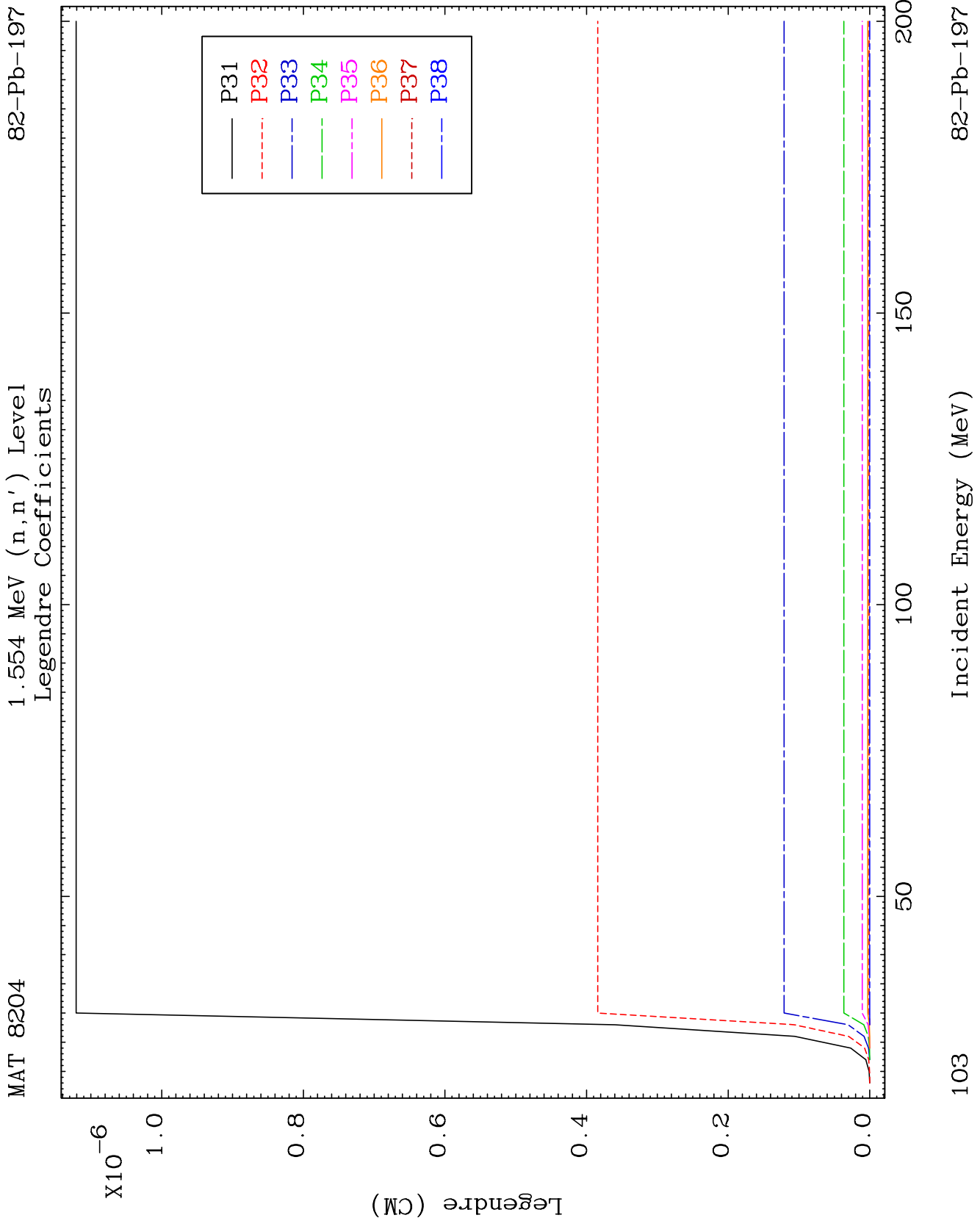
MAT 8204

1.554 MeV (n,n') Level  
Legendre Coefficients

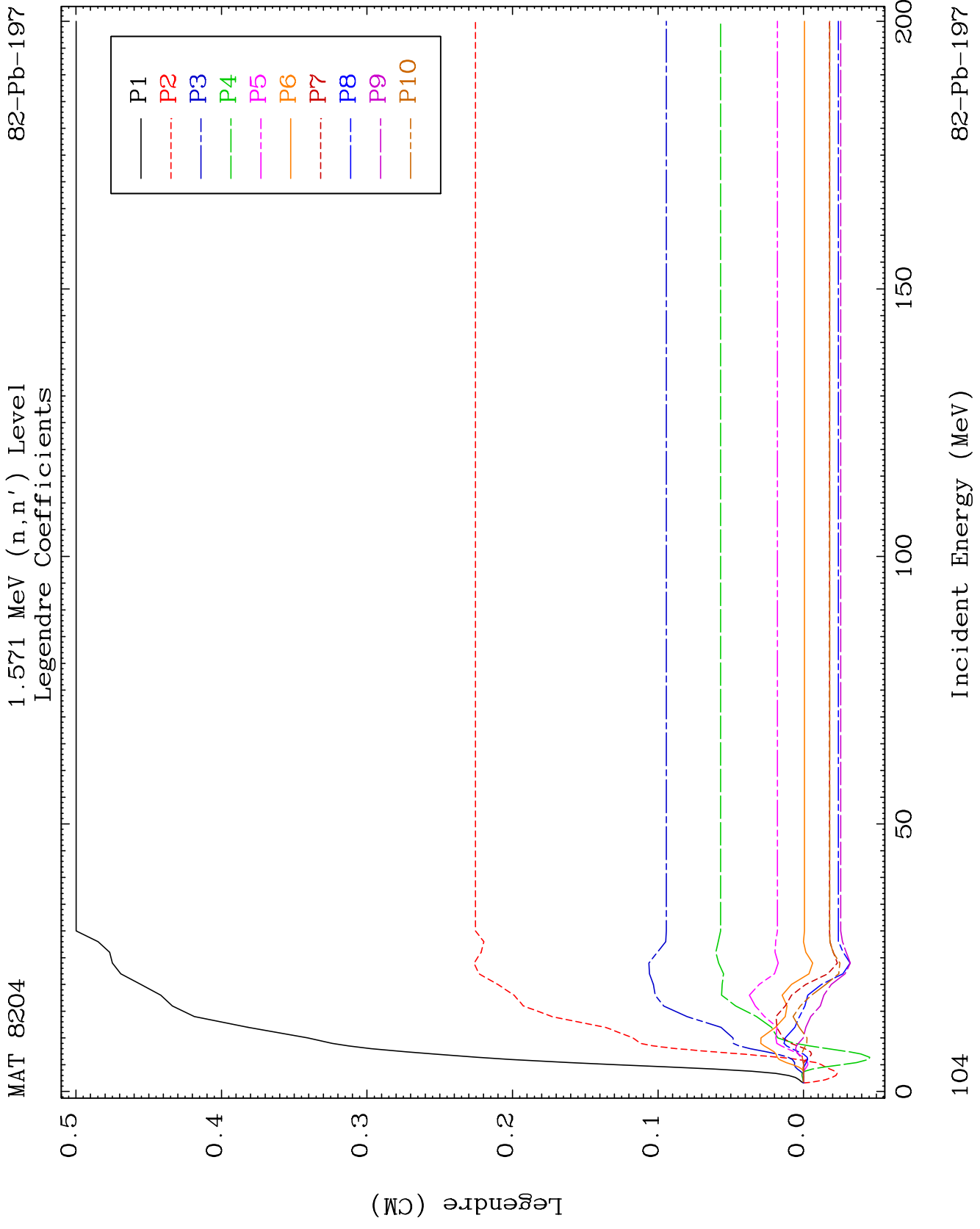
82-Pb-197



102



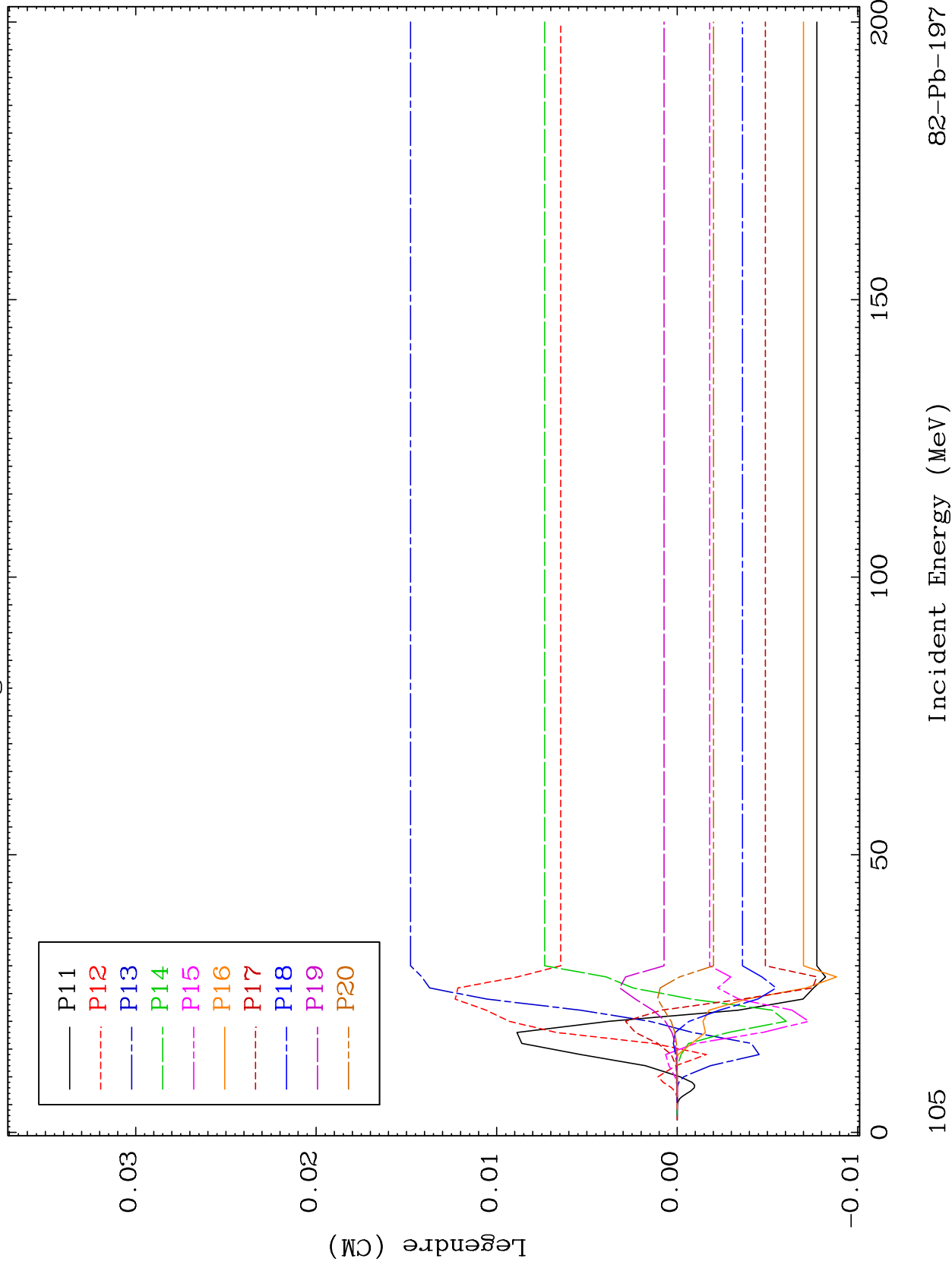




MAT 8204

1.571 MeV (n, n') Level  
Legendre Coefficients

82-Pb-197



82-Pb-197

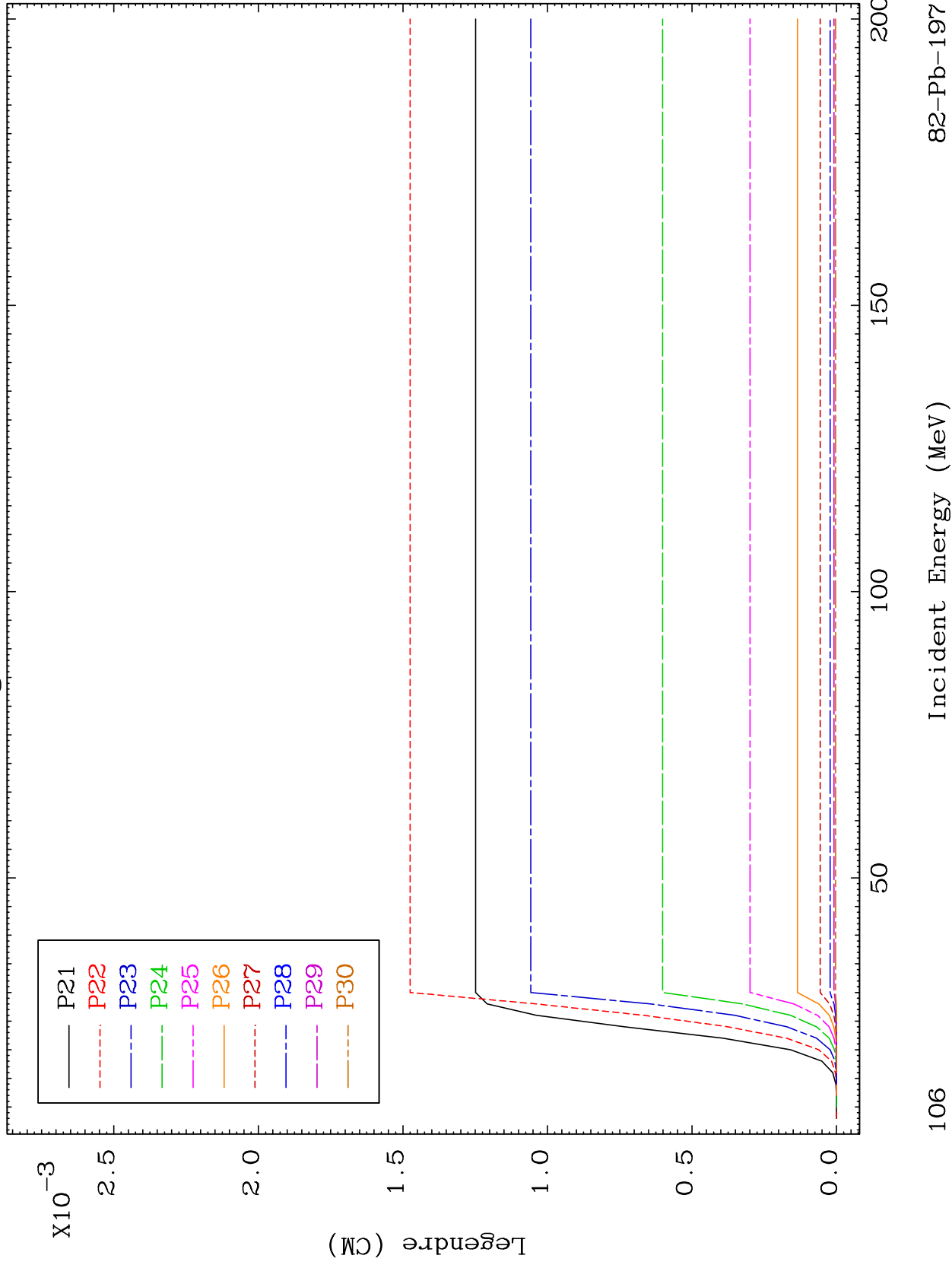
Incident Energy (MeV)

105

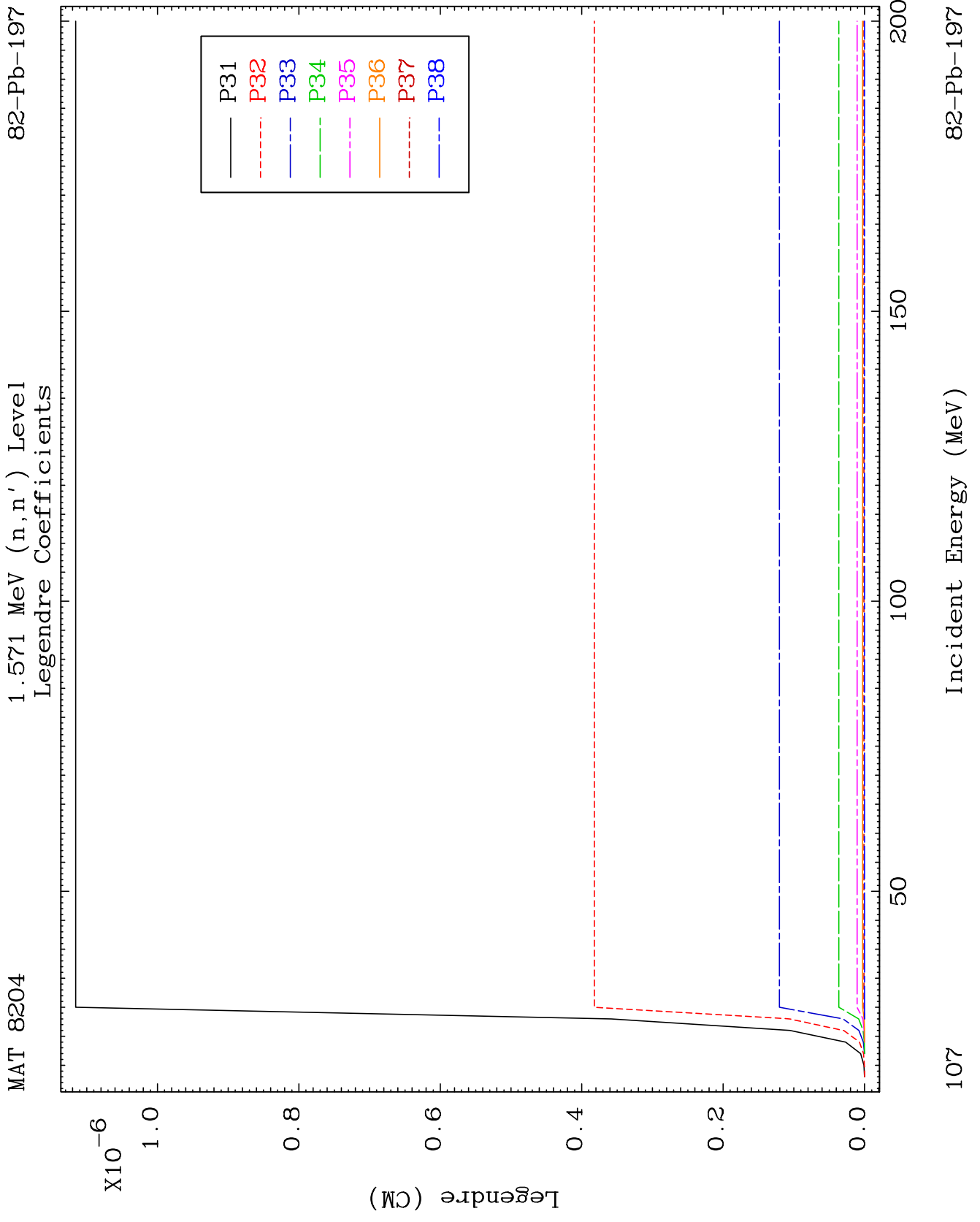
MAT 8204

1.571 MeV (n,n') Level  
Legendre Coefficients

82-Pb-197



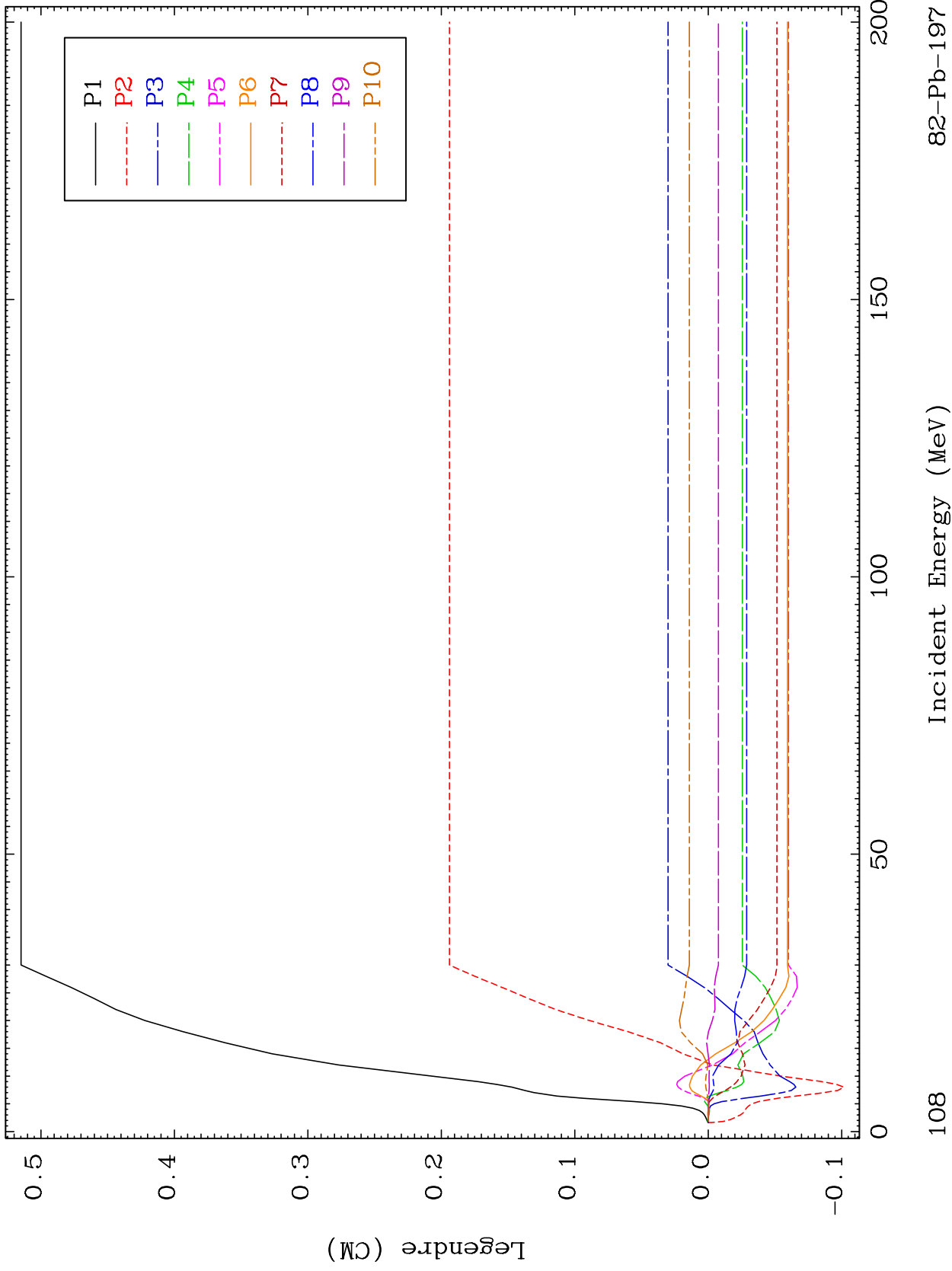
106

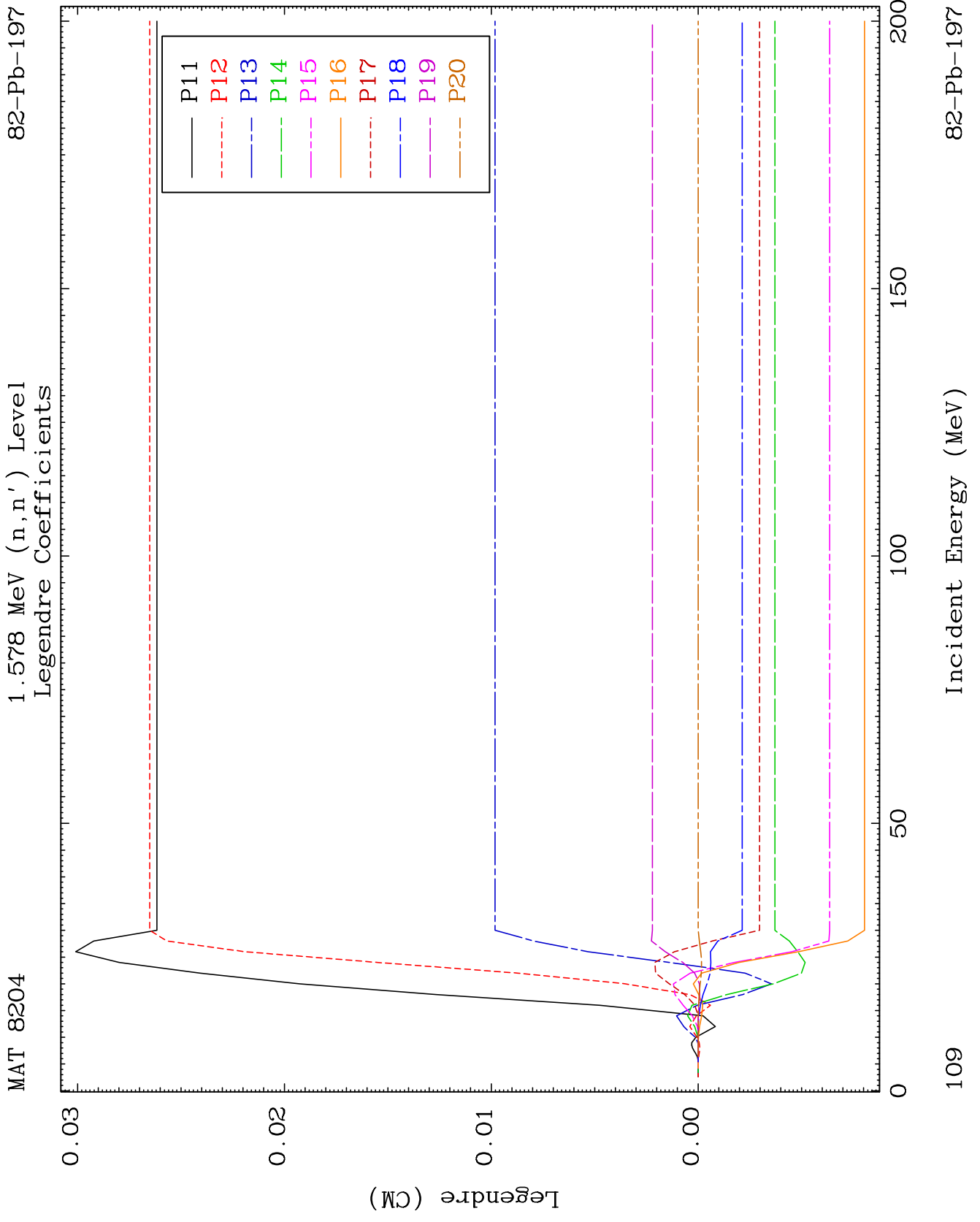


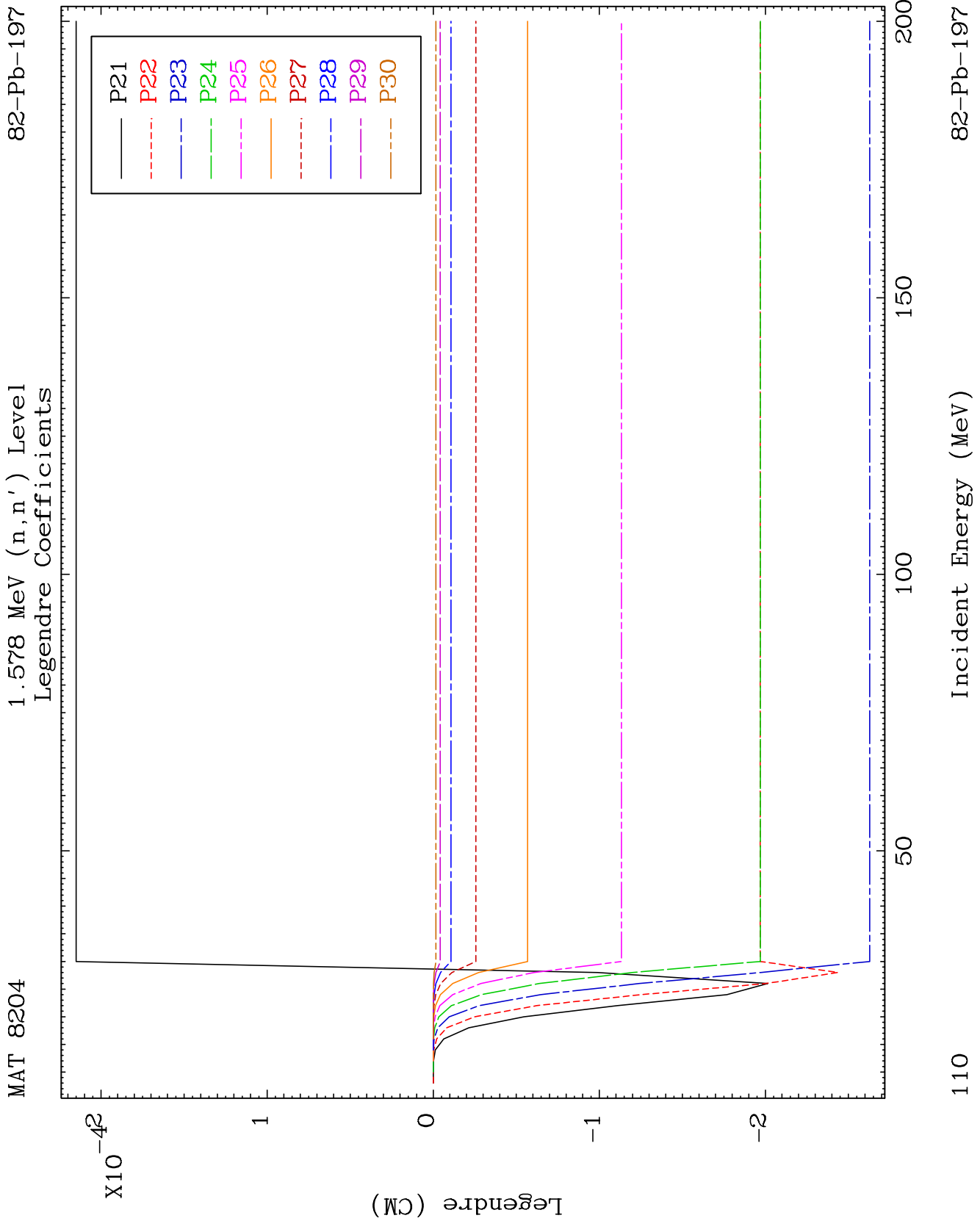
MAT 8204

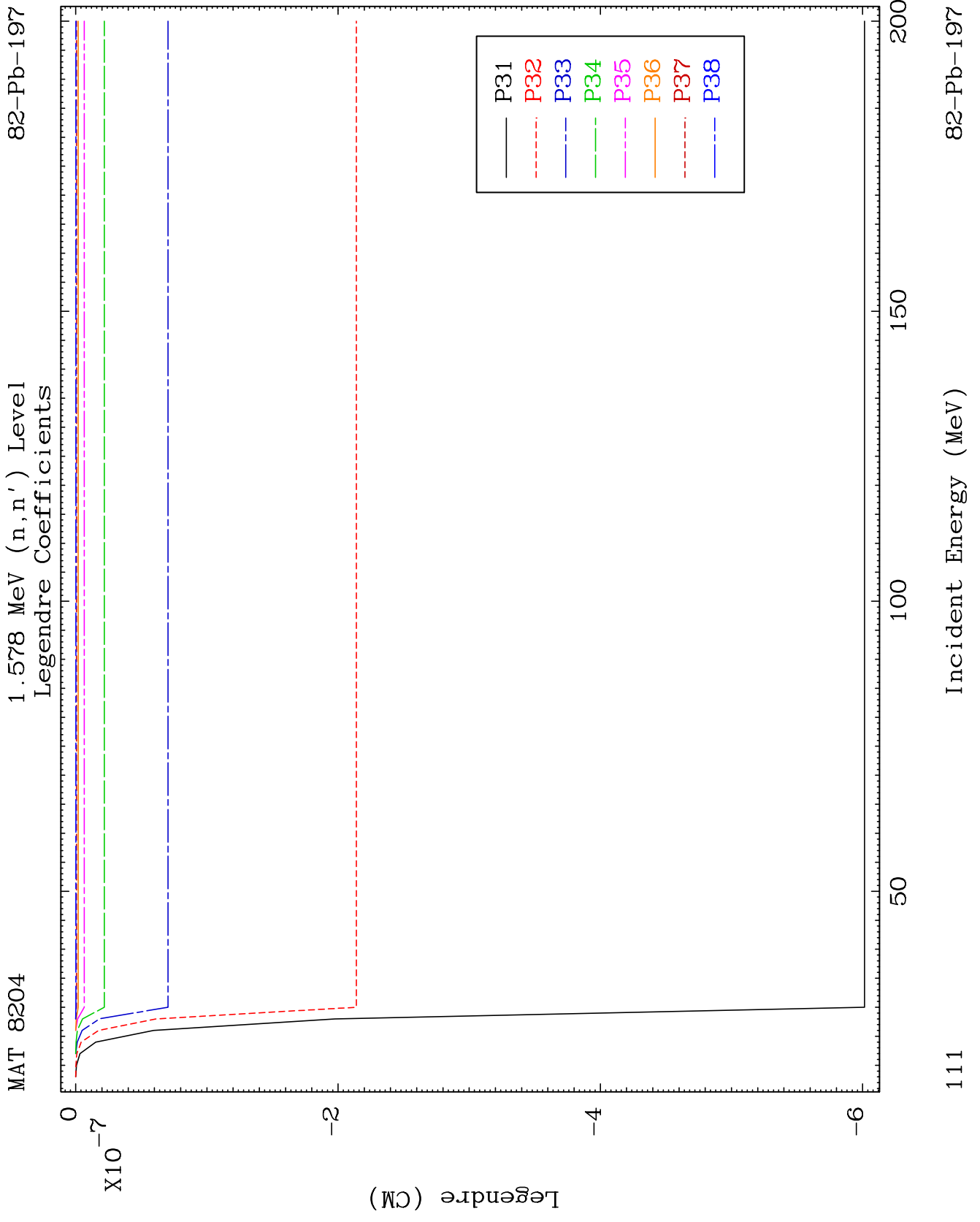
1.578 MeV (n,n') Level  
Legendre Coefficients

82-Pb-197

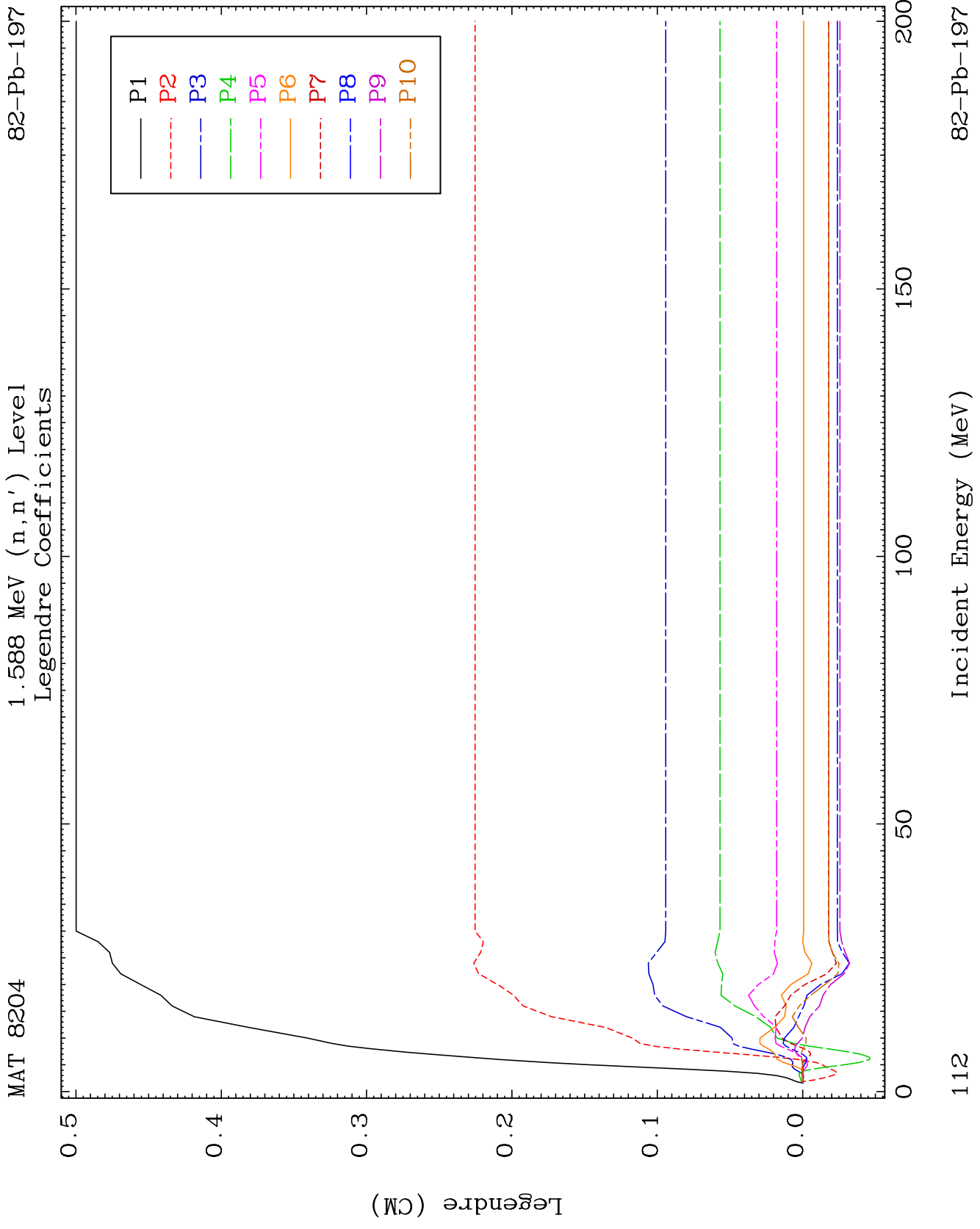








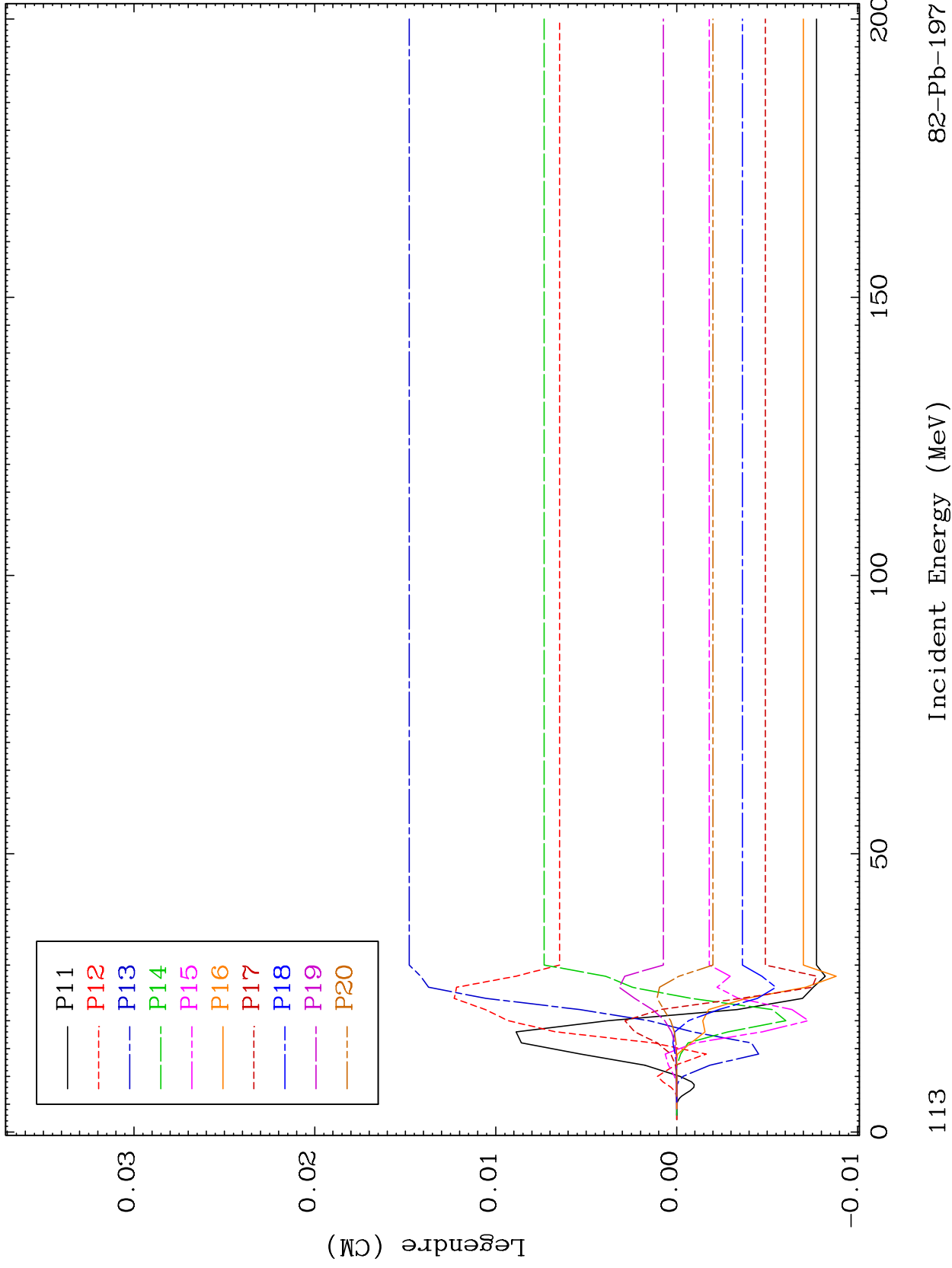




MAT 8204

1.588 MeV (n, n') Level  
Legendre Coefficients

82-Pb-197



113

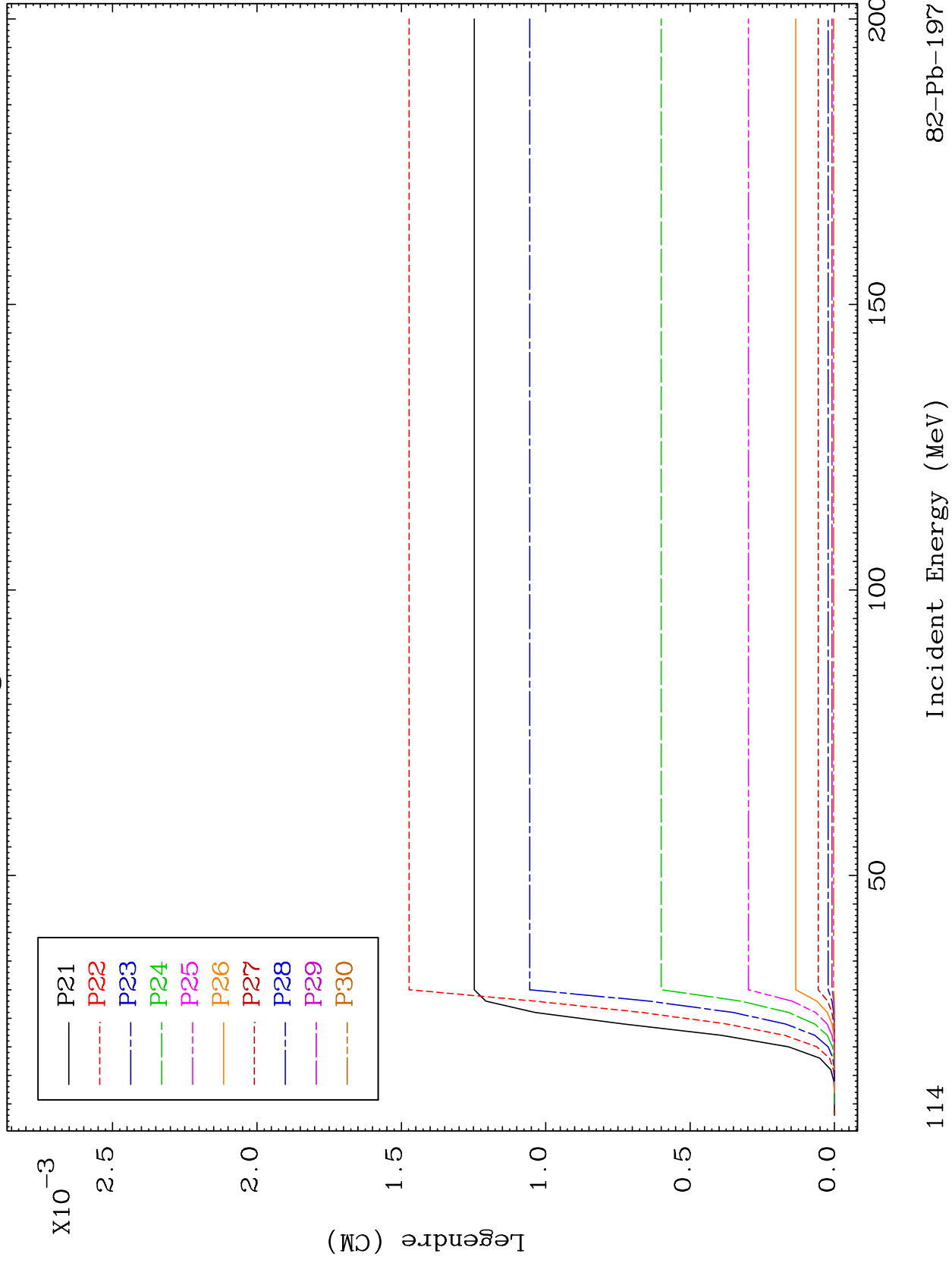
Incident Energy (MeV)

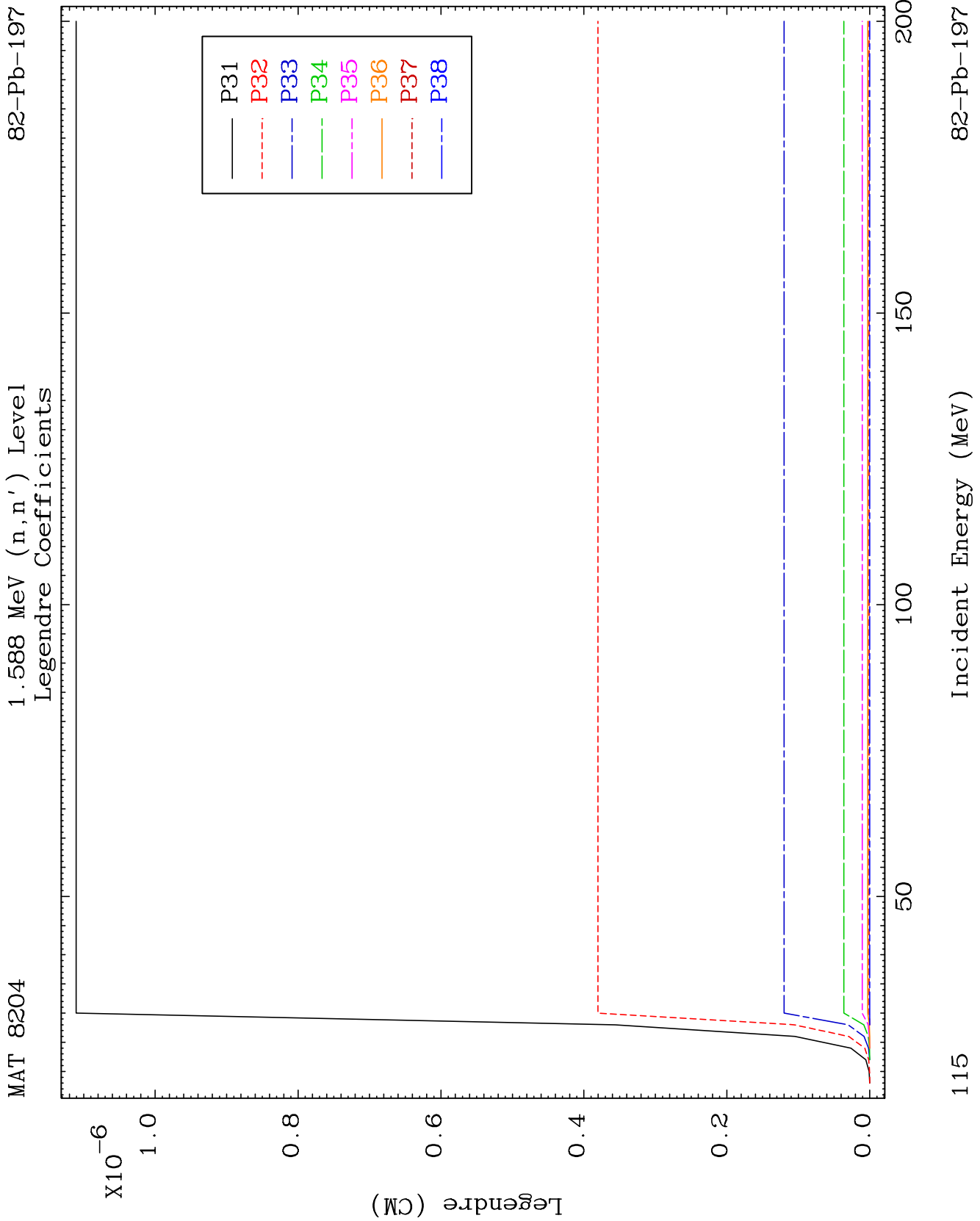
82-Pb-197

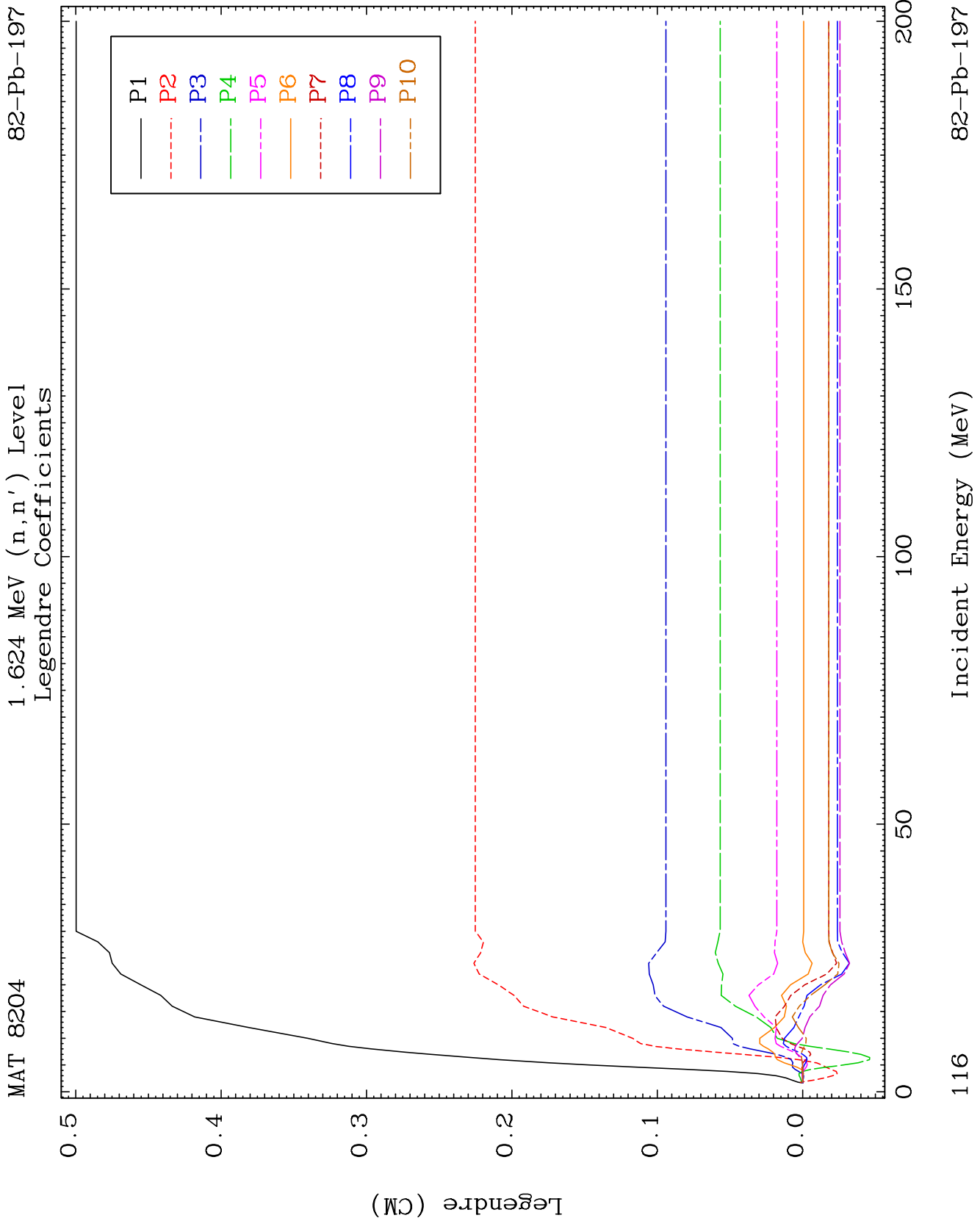
MAT 8204

1.588 MeV (n,n') Level  
Legendre Coefficients

82-Pb-197



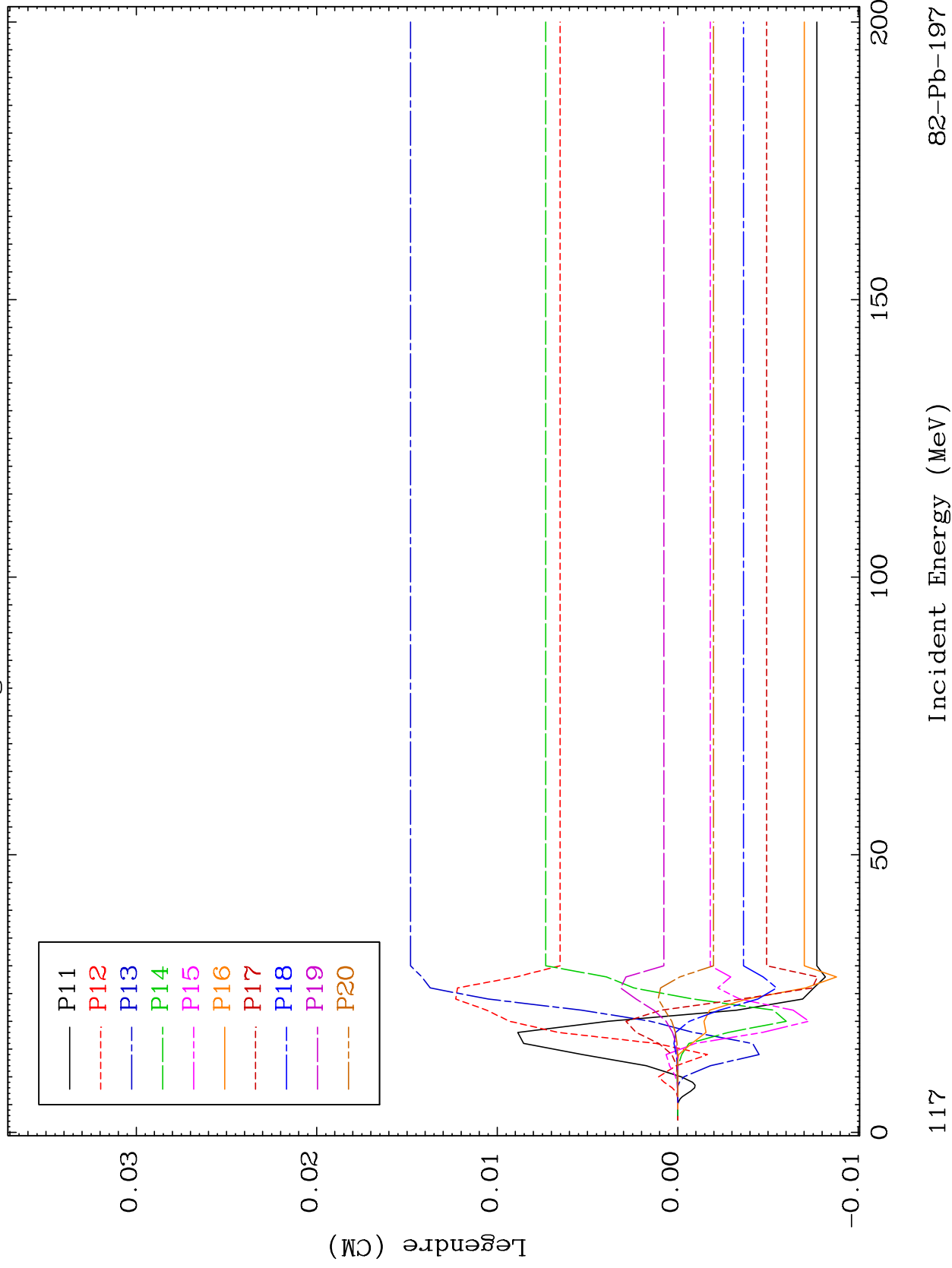




MAT 8204

1.624 MeV (n,n') Level  
Legendre Coefficients

82-Pb-197



117

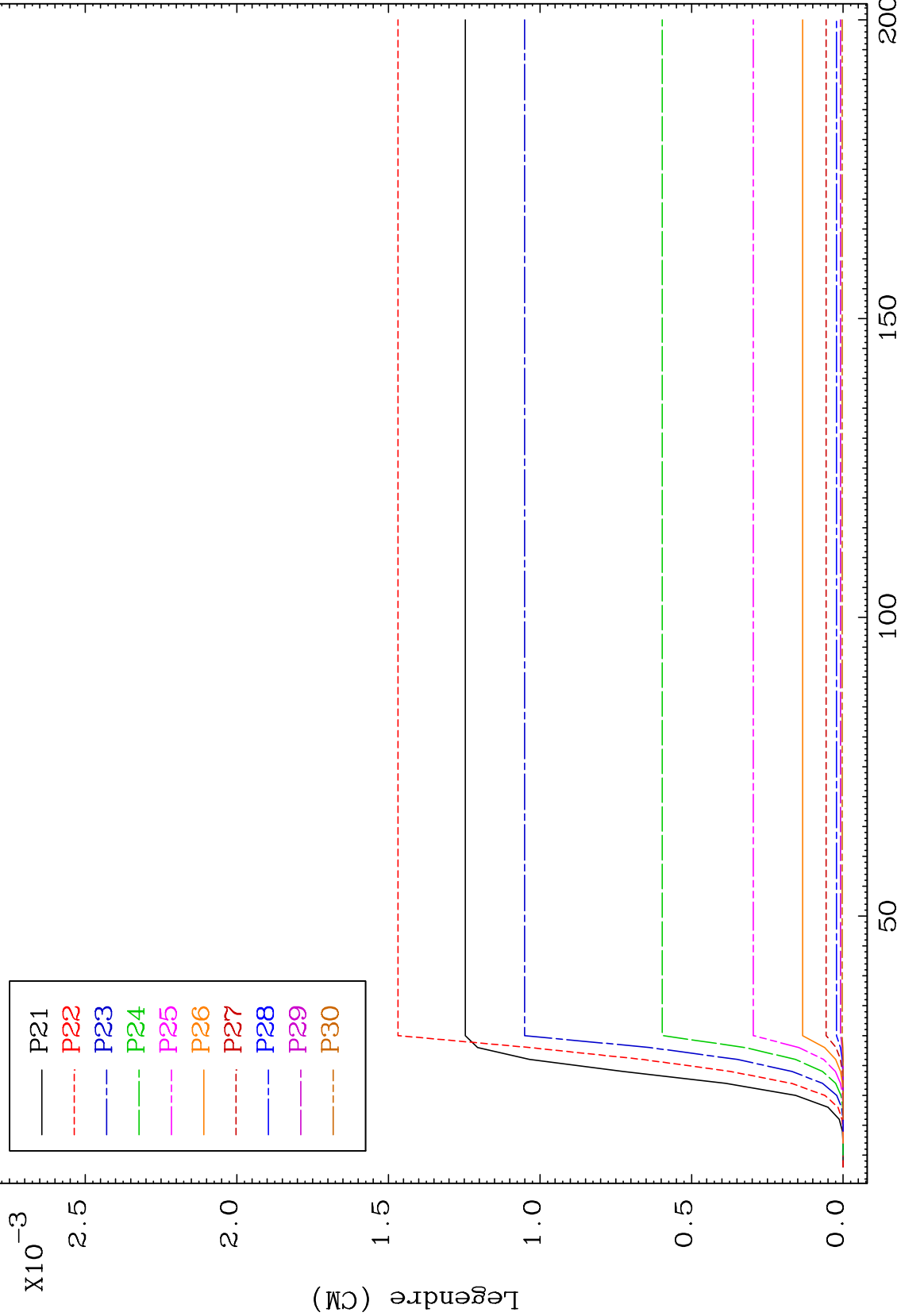
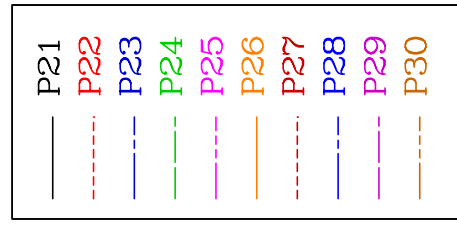
Incident Energy (MeV)

82-Pb-197

MAT 8204

1.624 MeV (n,n') Level  
Legendre Coefficients

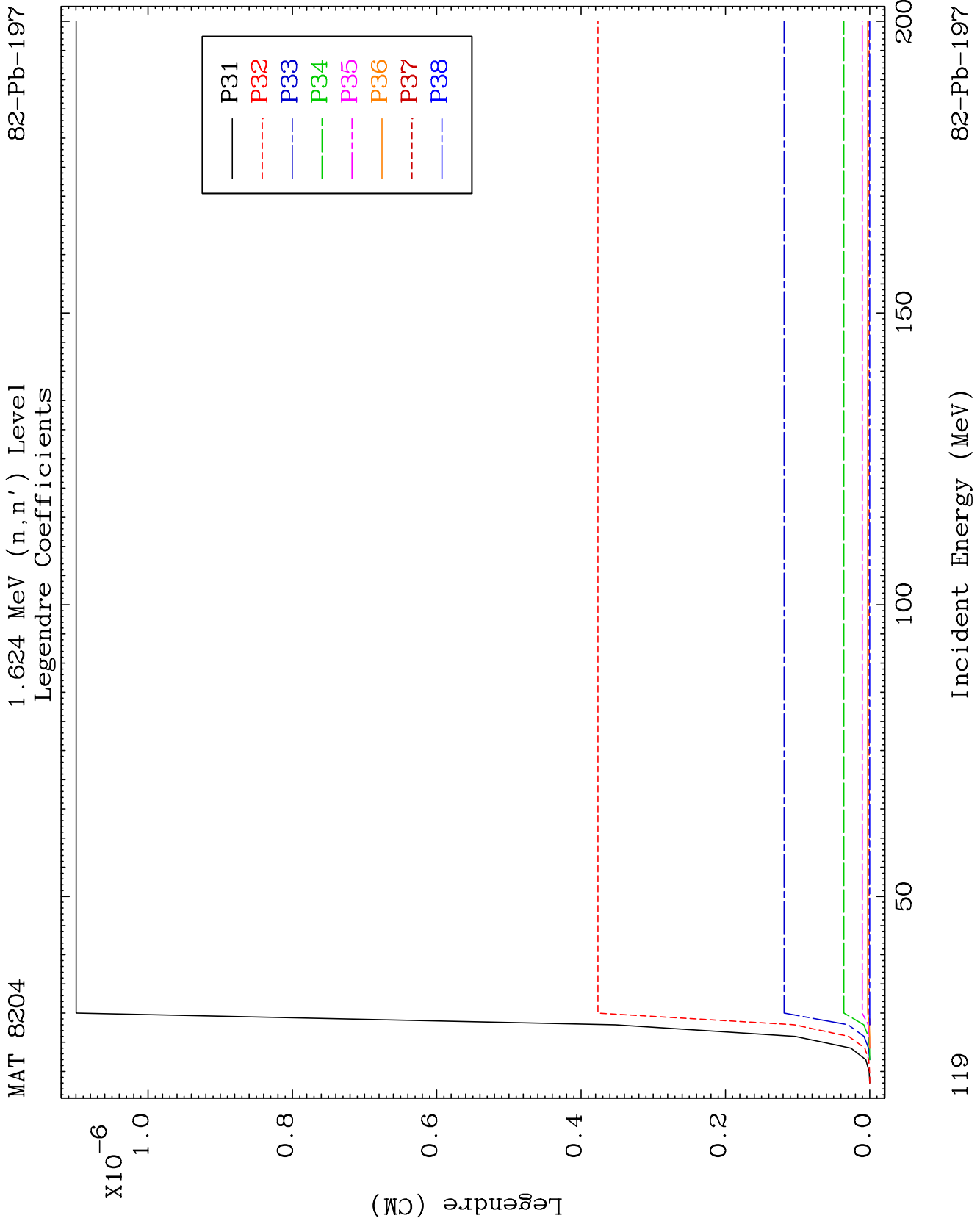
82-Pb-197



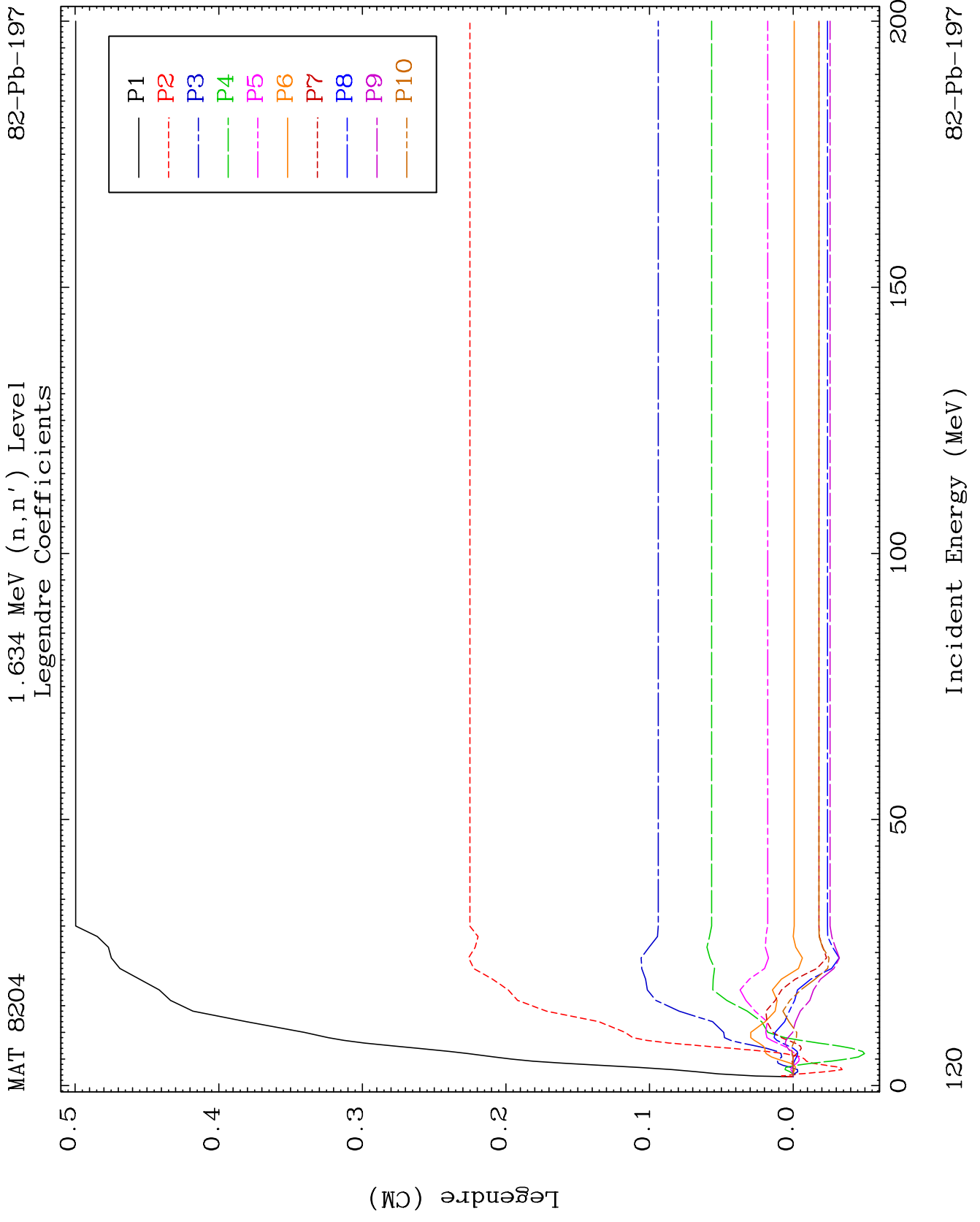
118

Incident Energy (MeV)

82-Pb-197



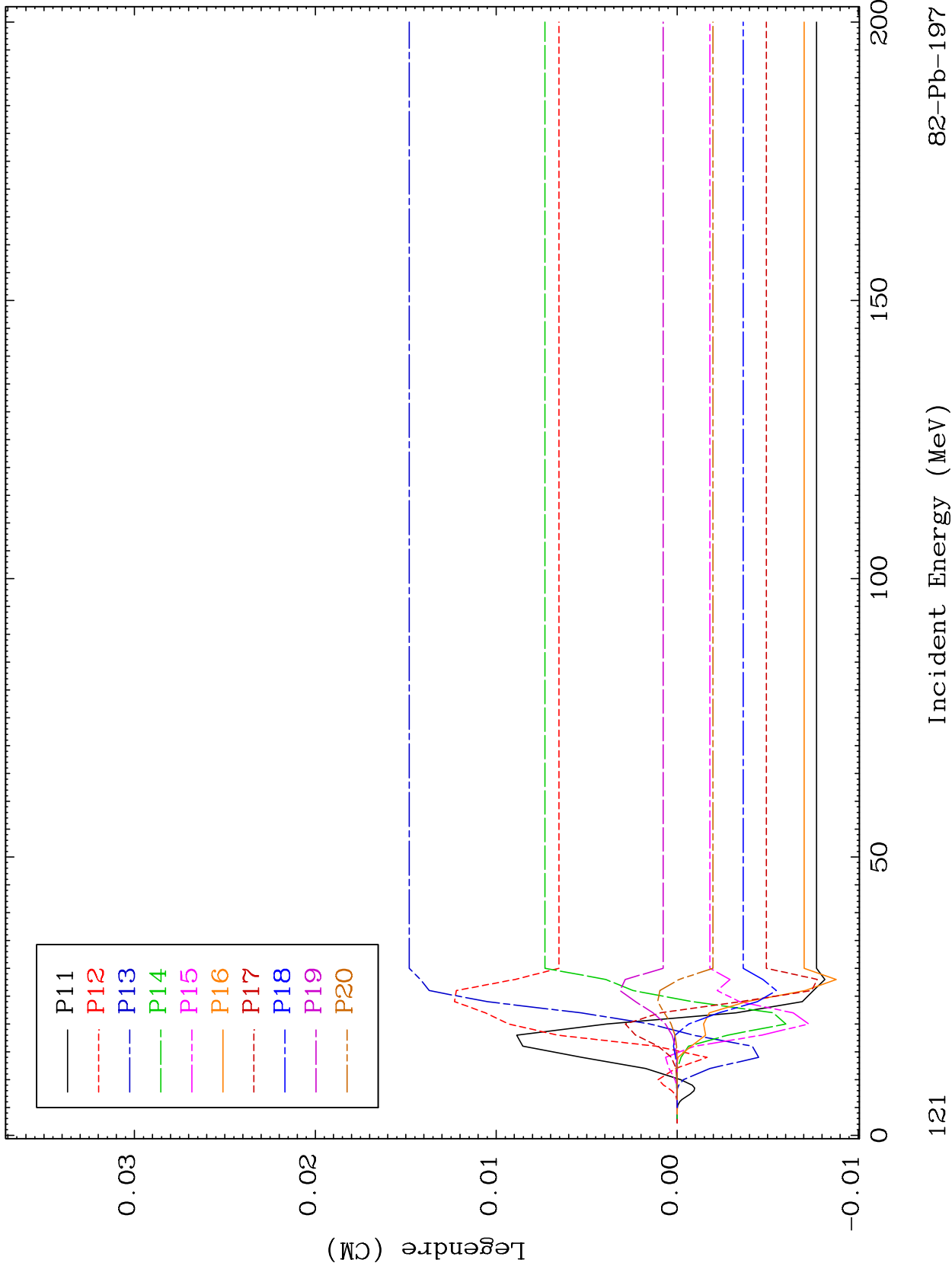




MAT 8204

1.634 MeV (n,n') Level  
Legendre Coefficients

82-Pb-197



121

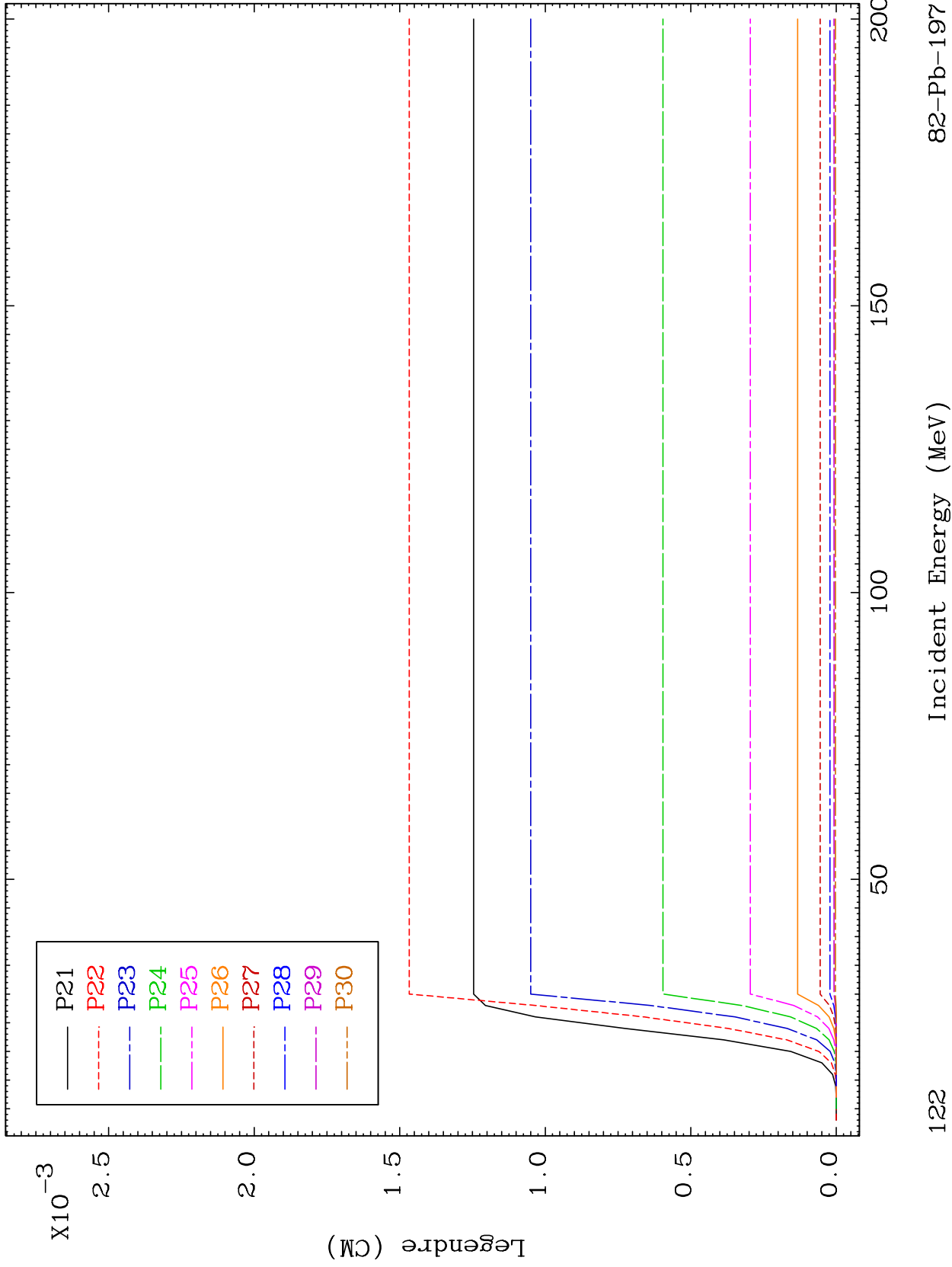
Incident Energy (MeV)

82-Pb-197

MAT 8204

1.634 MeV (n,n') Level  
Legendre Coefficients

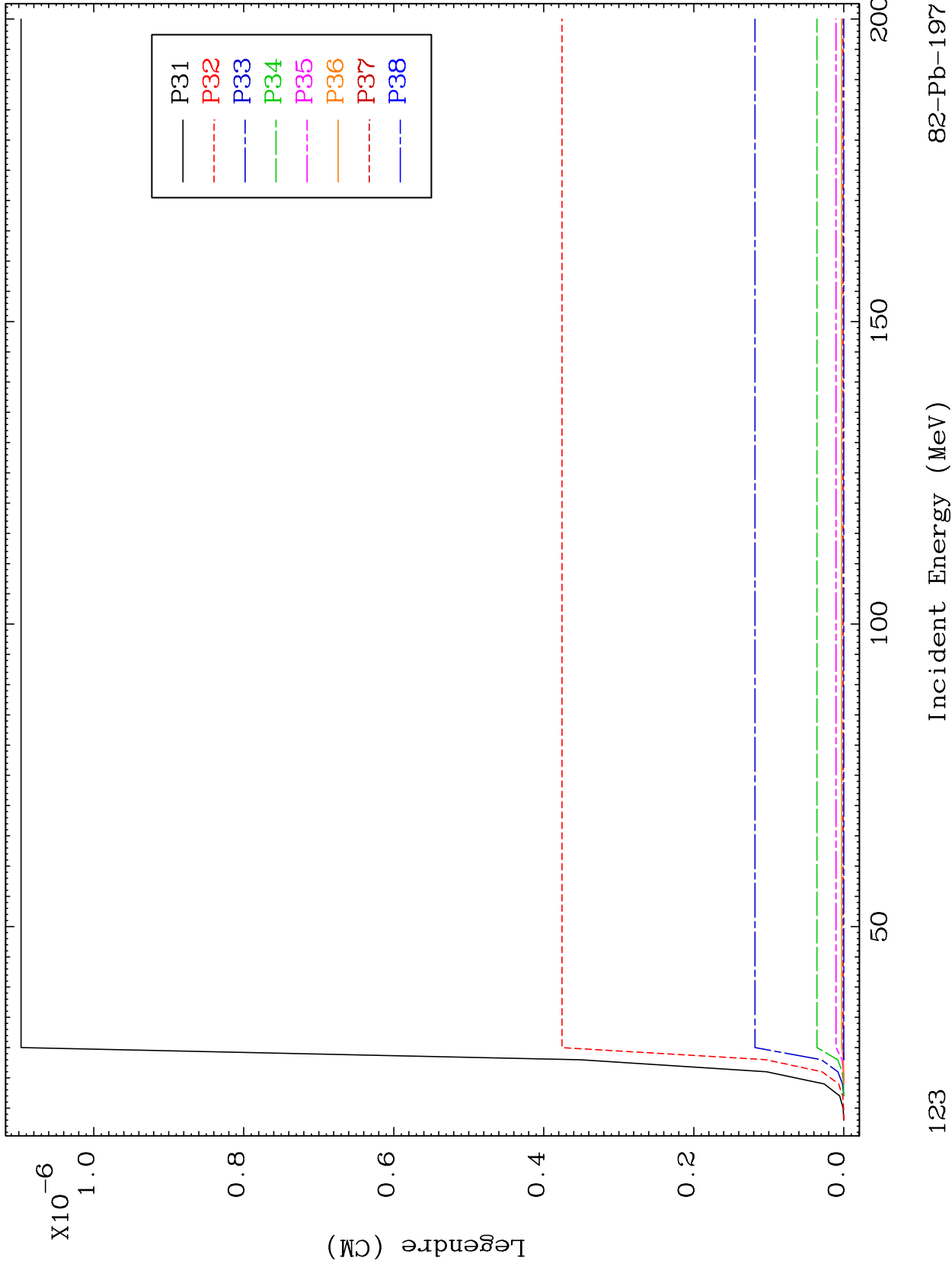
82-Pb-197



MAT 8204

1.634 MeV (n,n') Level  
Legendre Coefficients

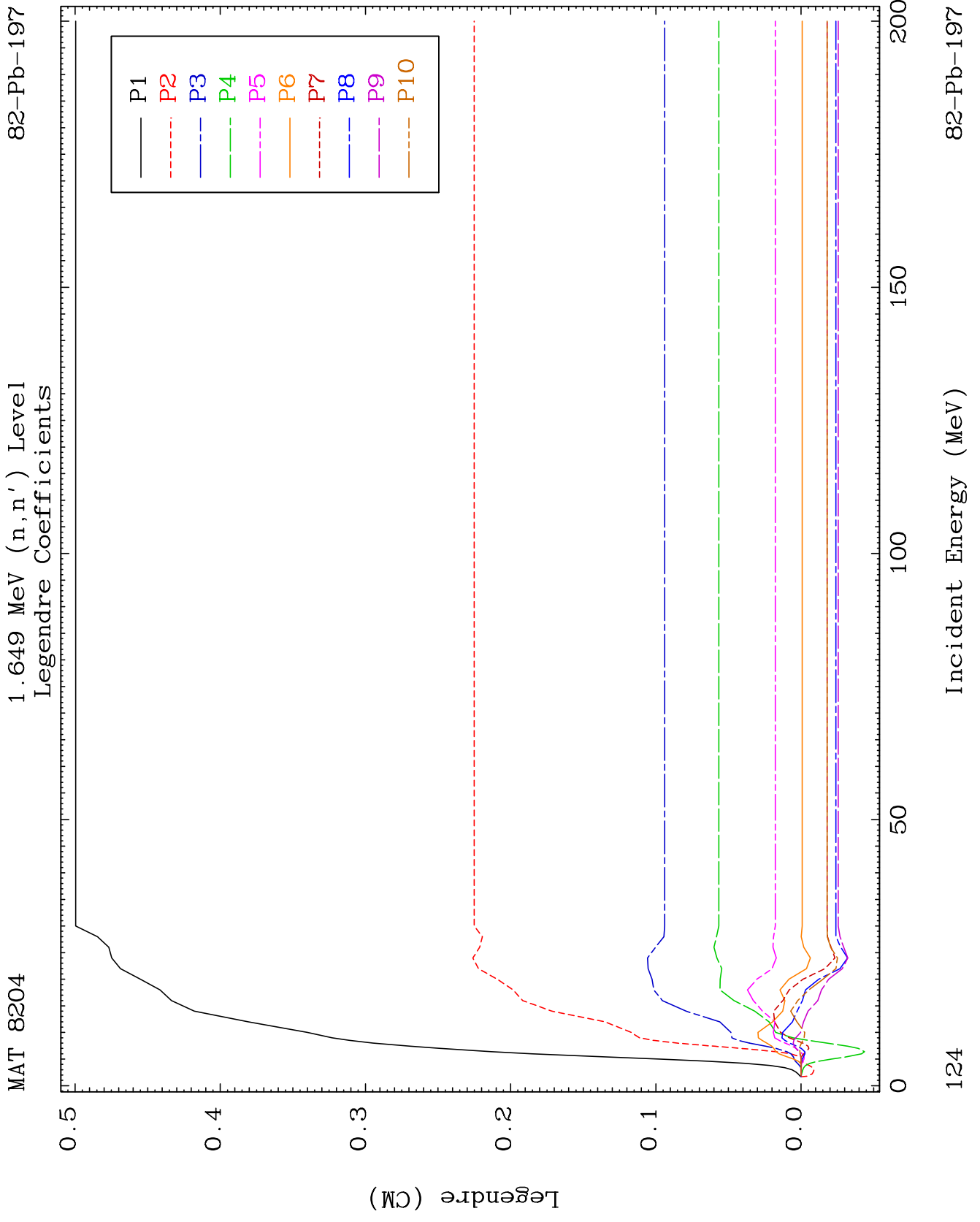
82-Pb-197



123

Incident Energy (MeV)

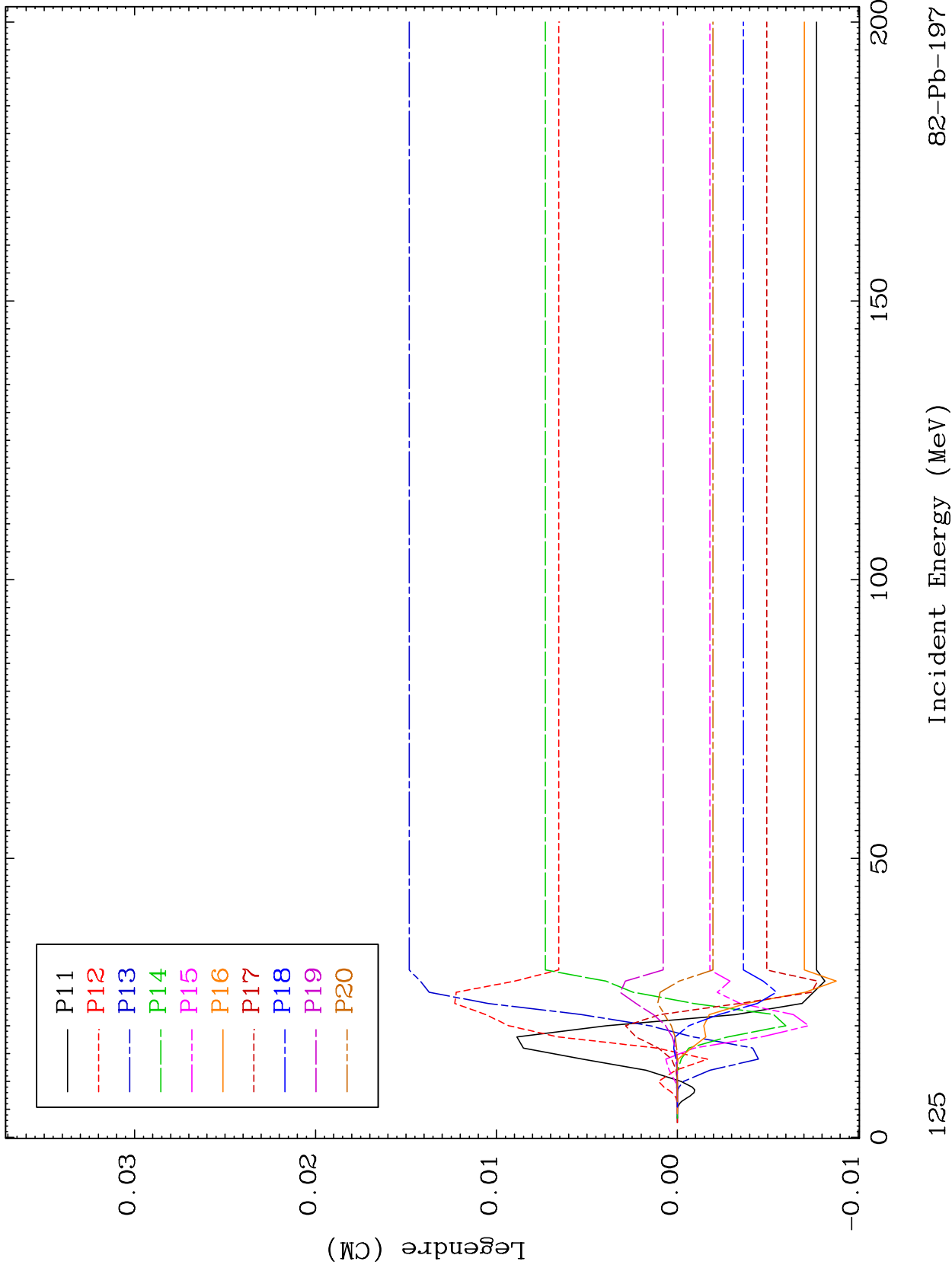
82-Pb-197



MAT 8204

1.649 MeV (n,n') Level  
Legendre Coefficients

82-Pb-197



125

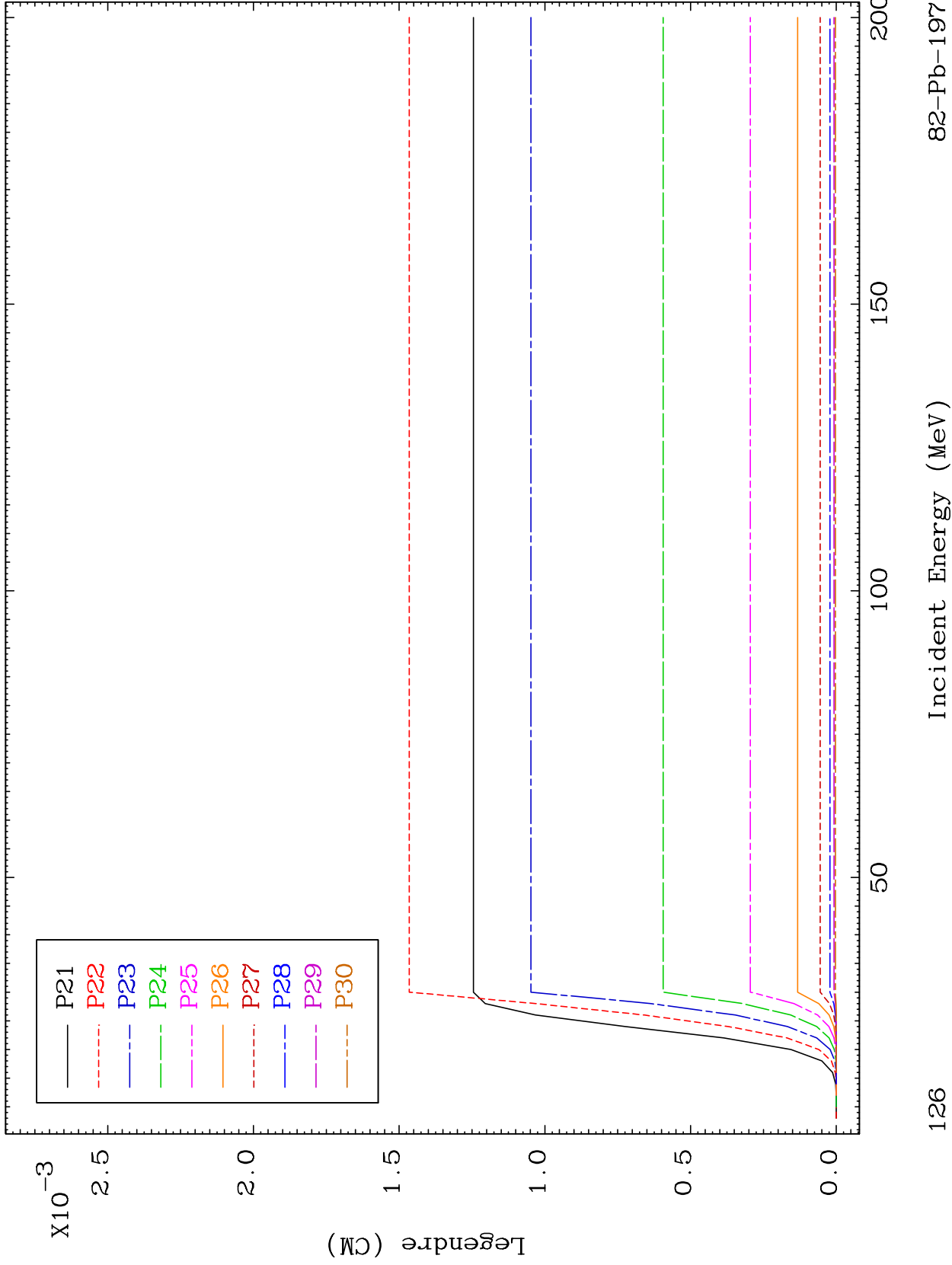
Incident Energy (MeV)

82-Pb-197

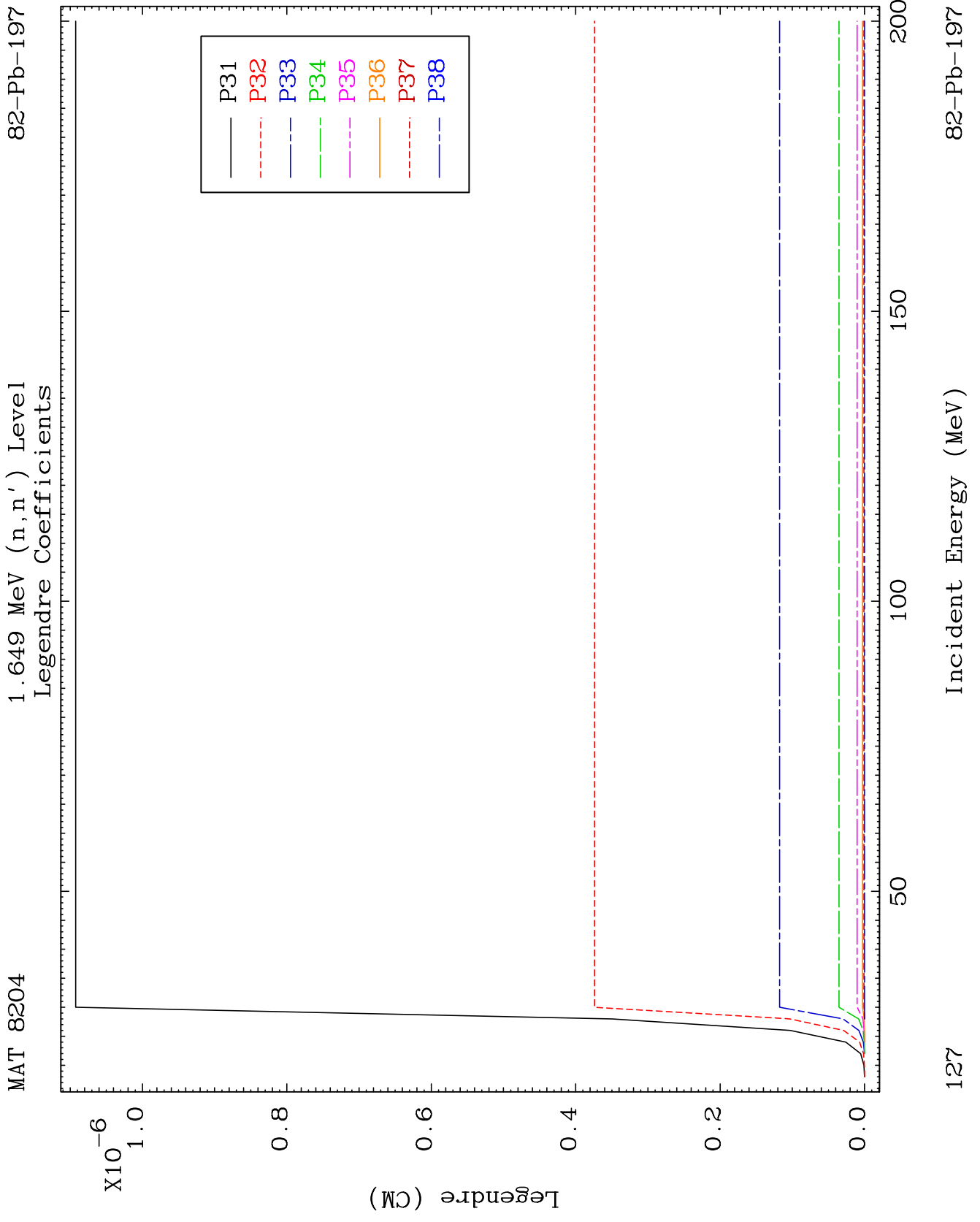
MAT 8204

1.649 MeV (n,n') Level  
Legendre Coefficients

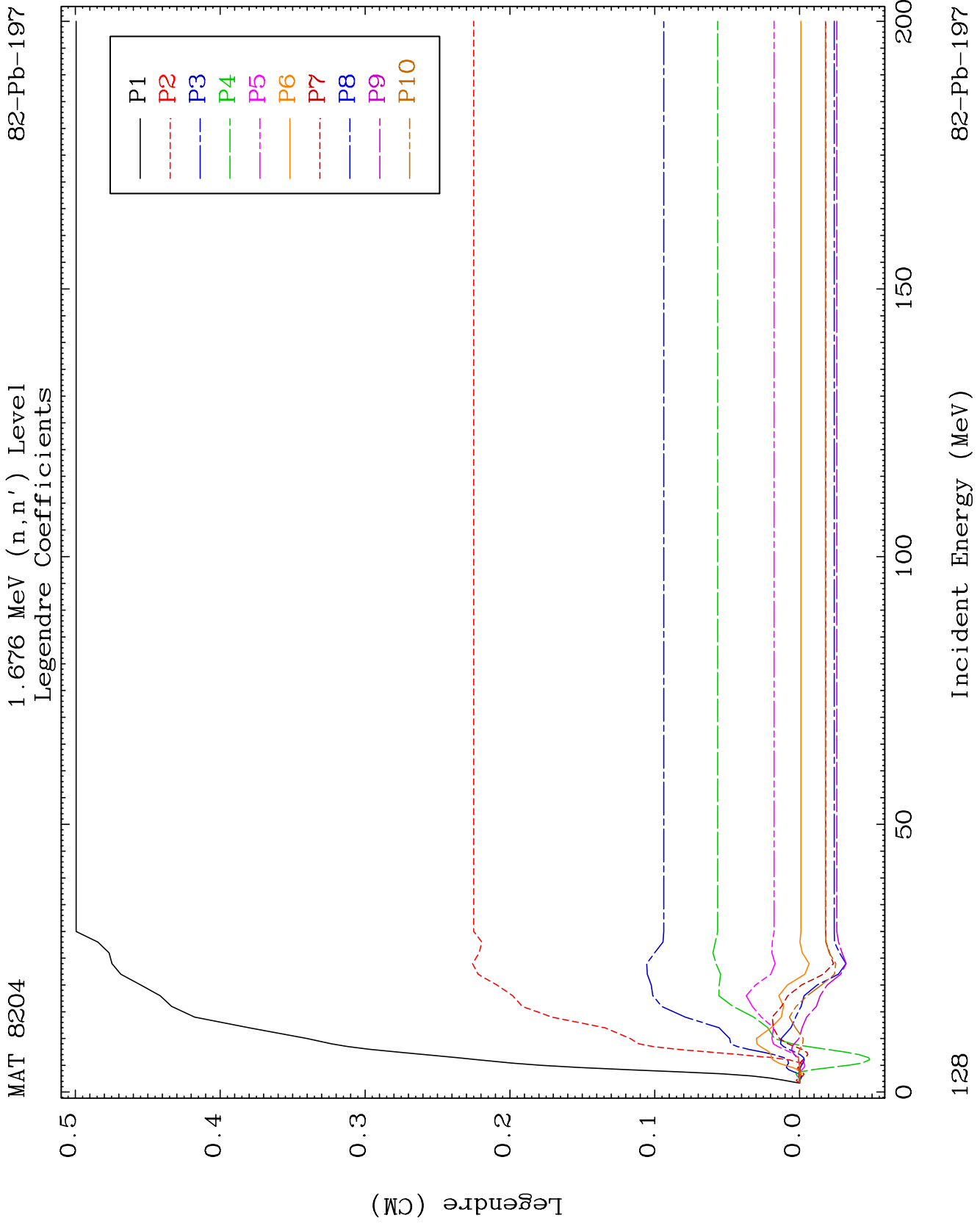
82-Pb-197



126



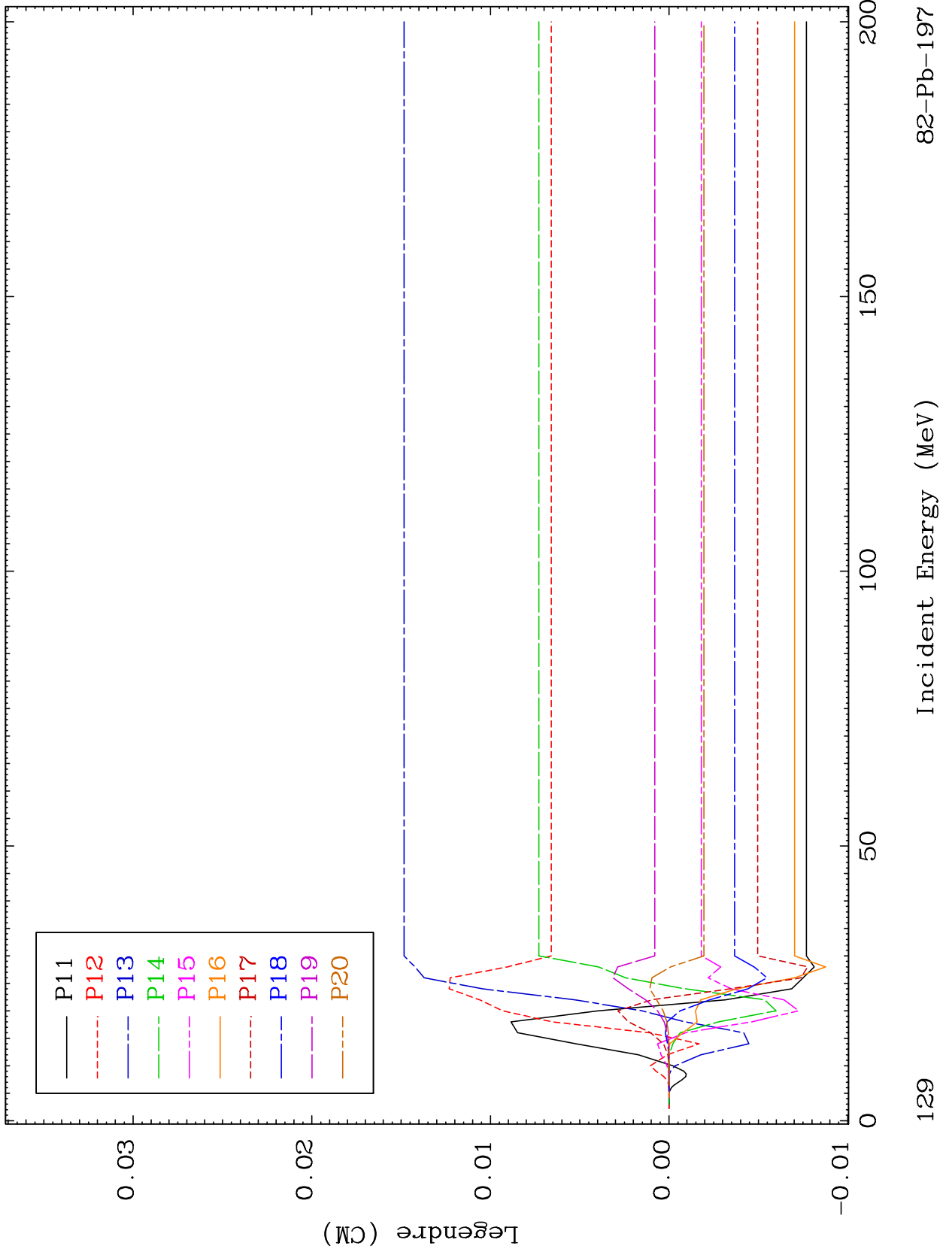




MAT 8204

1.676 MeV (n, n') Level  
Legendre Coefficients

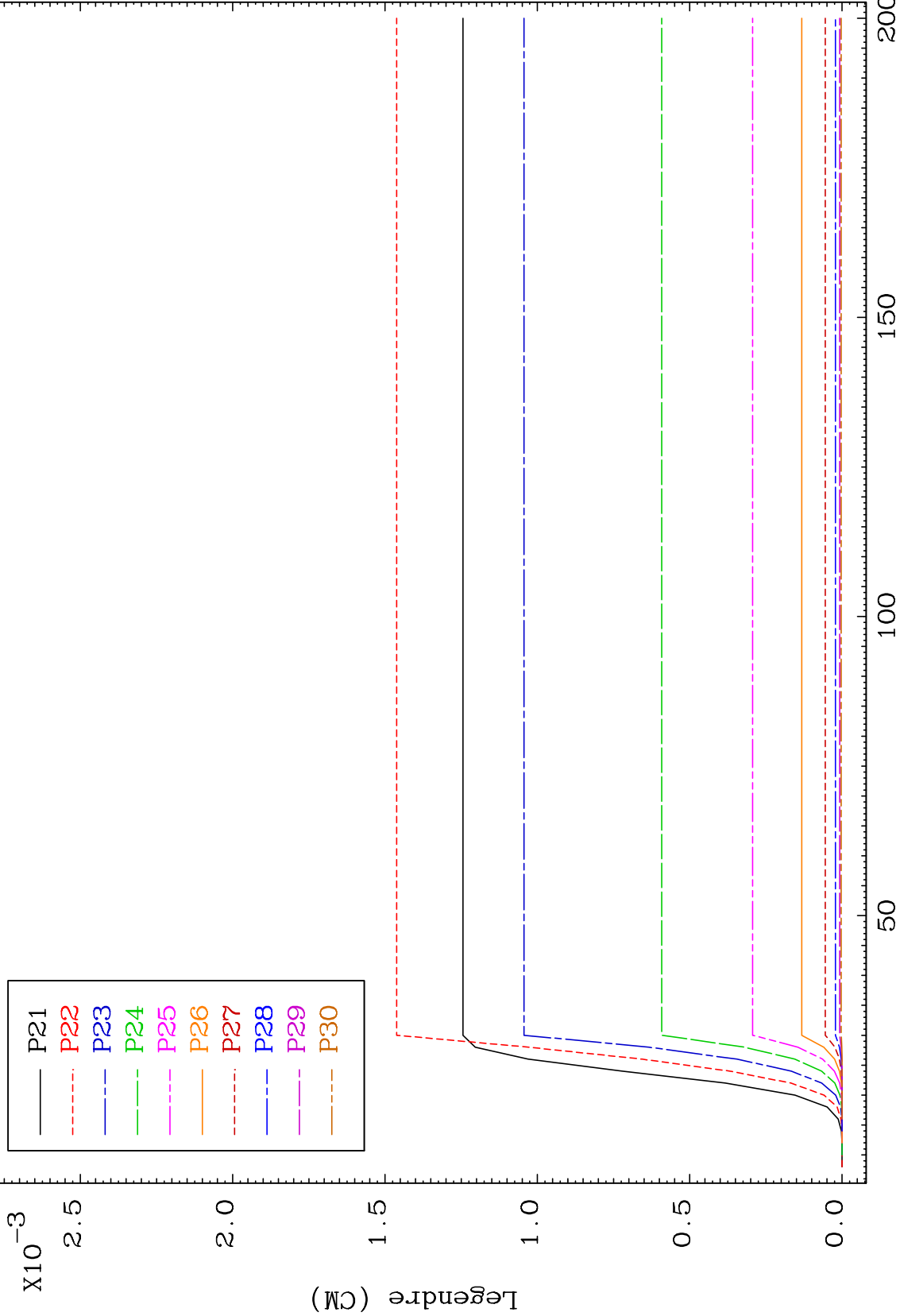
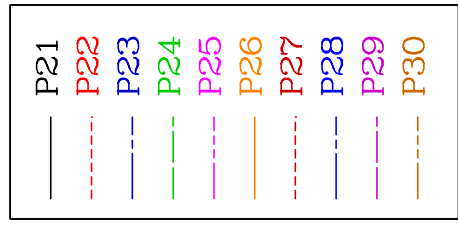
82-Pb-197



MAT 8204

1.676 MeV (n,n') Level Legendre Coefficients

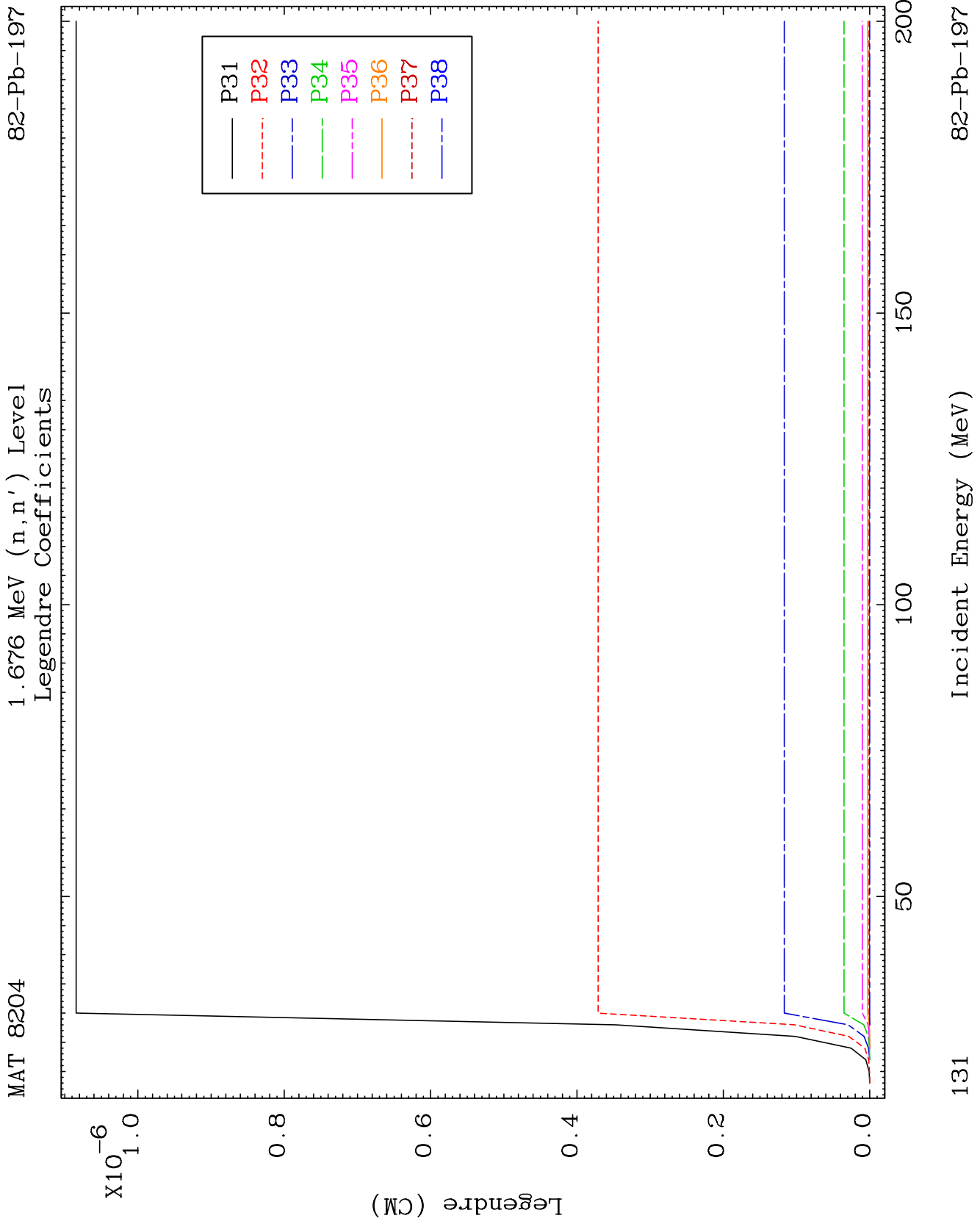
82-Pb-197

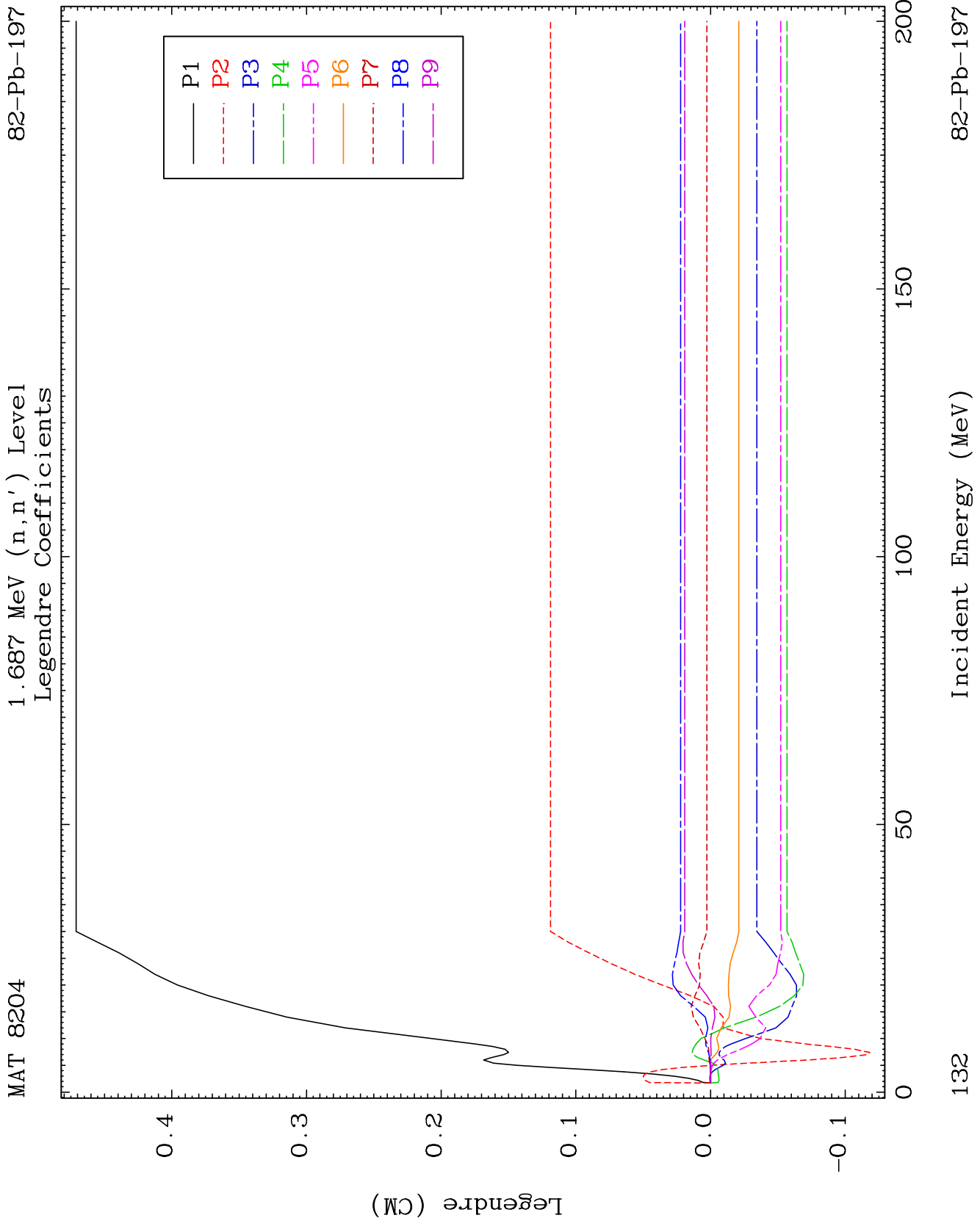


130

Incident Energy (MeV)

82-Pb-197

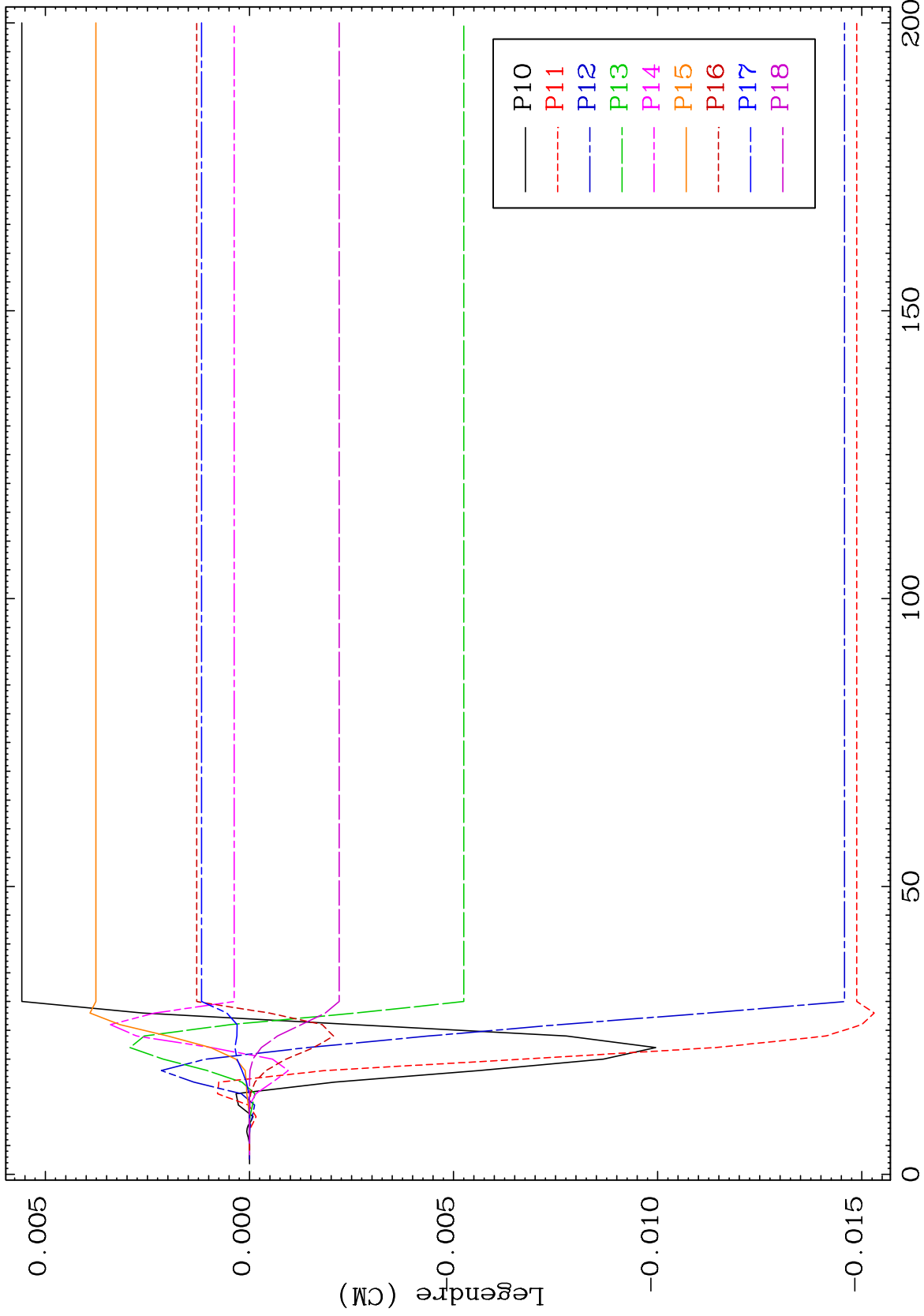




MAT 8204

1.687 MeV (n,n') Level  
Legendre Coefficients

82-Pb-197



133

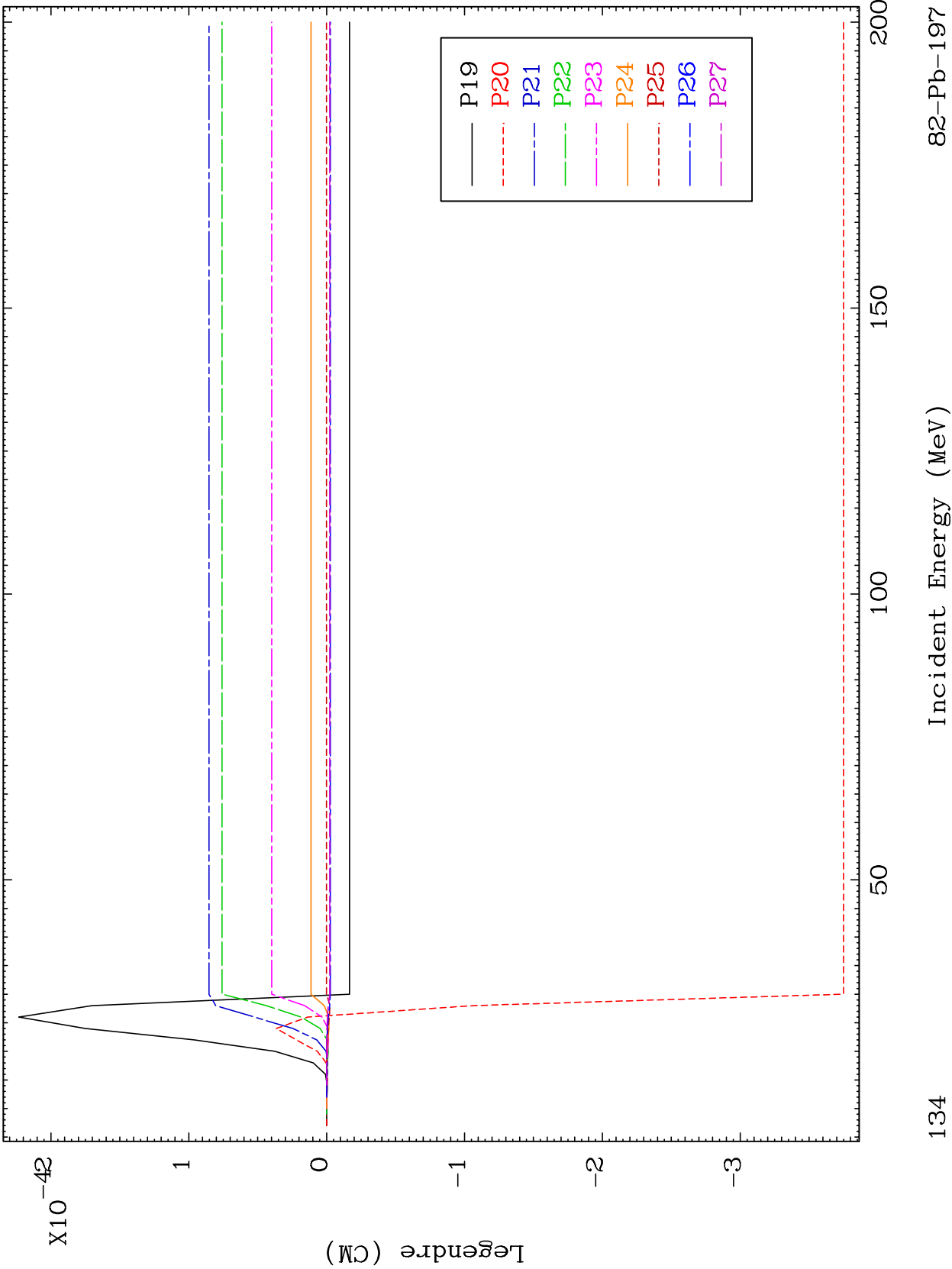
Incident Energy (MeV)

82-Pb-197

MAT 8204

1.687 MeV (n,n') Level  
Legendre Coefficients

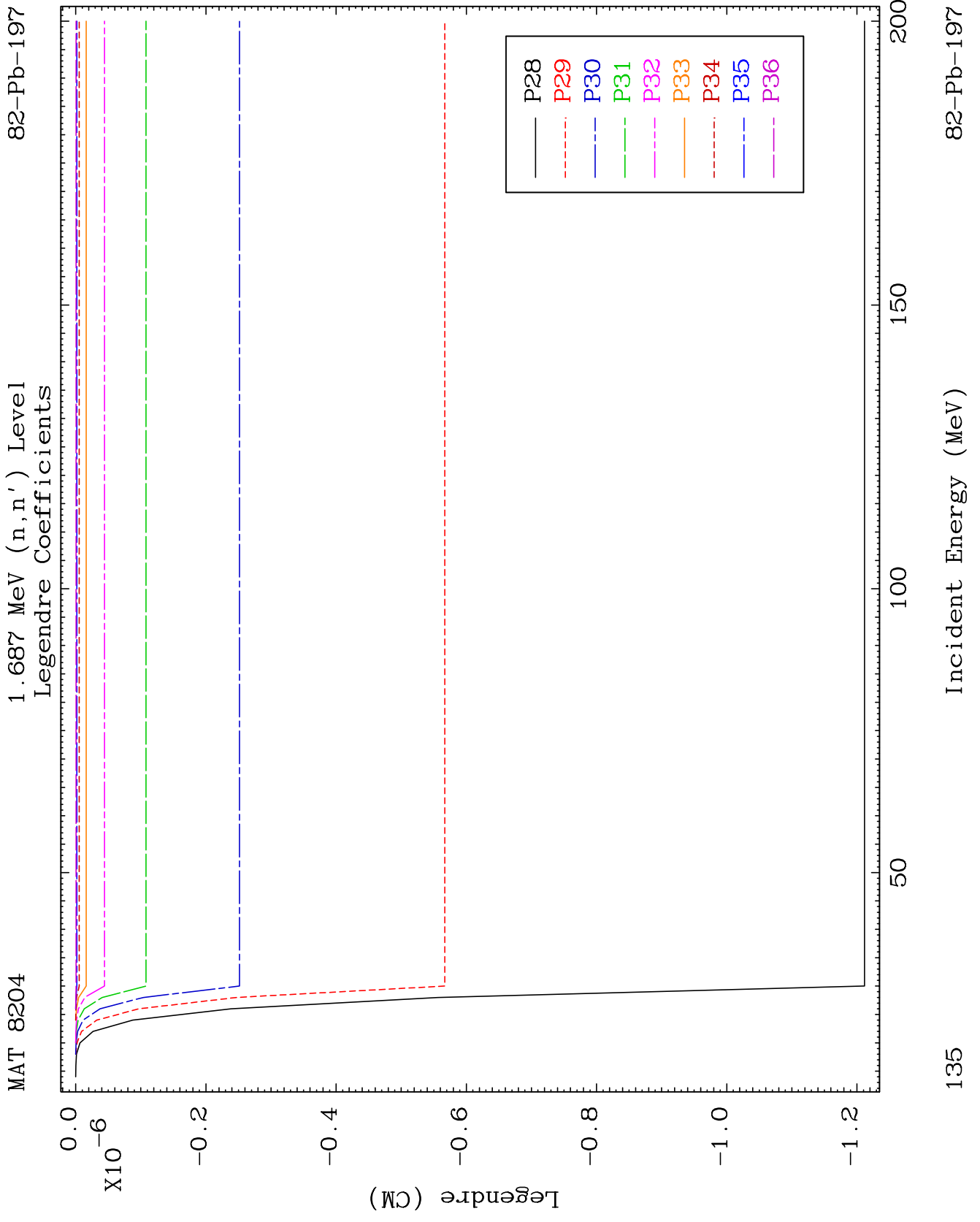
82-Pb-197



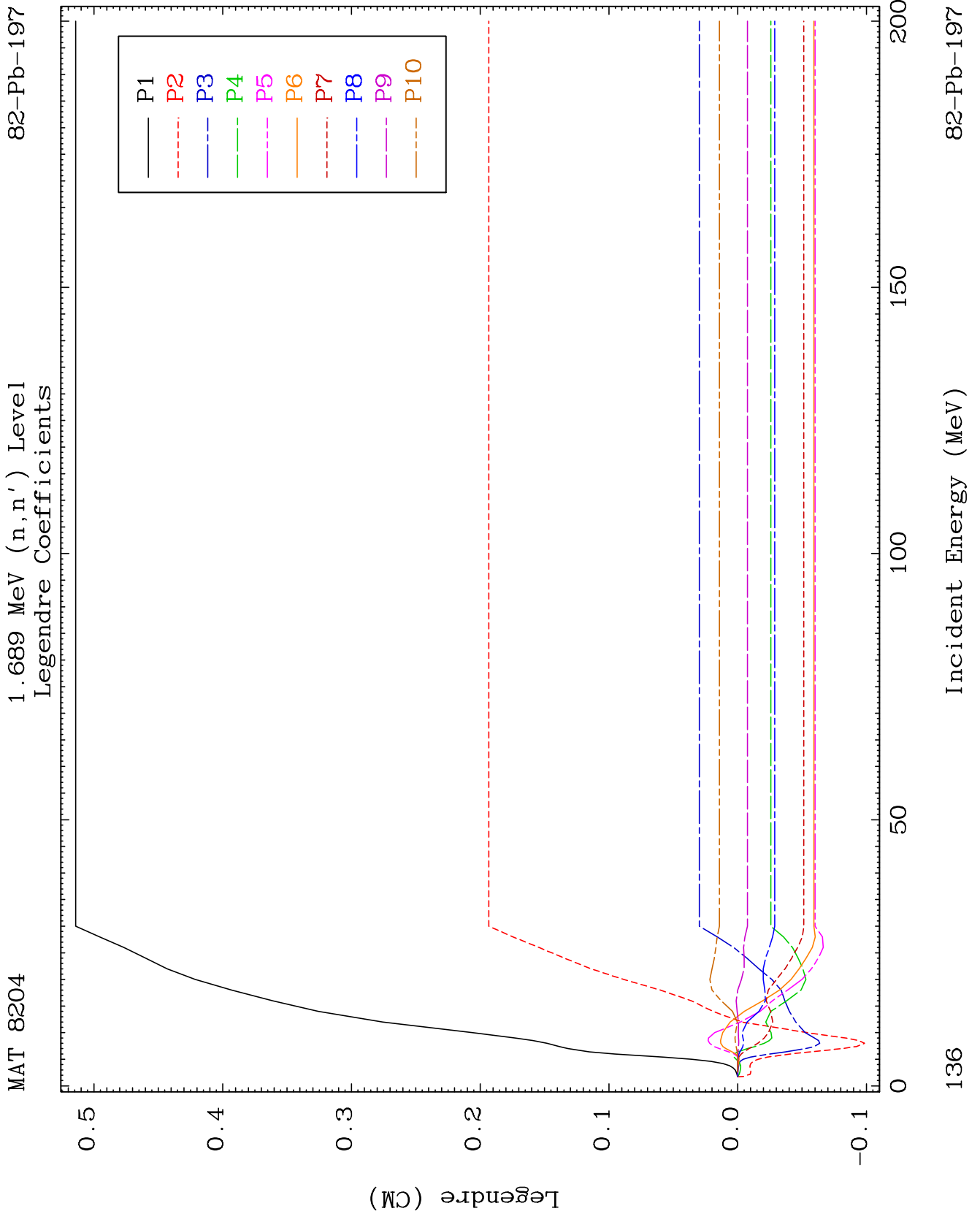
134

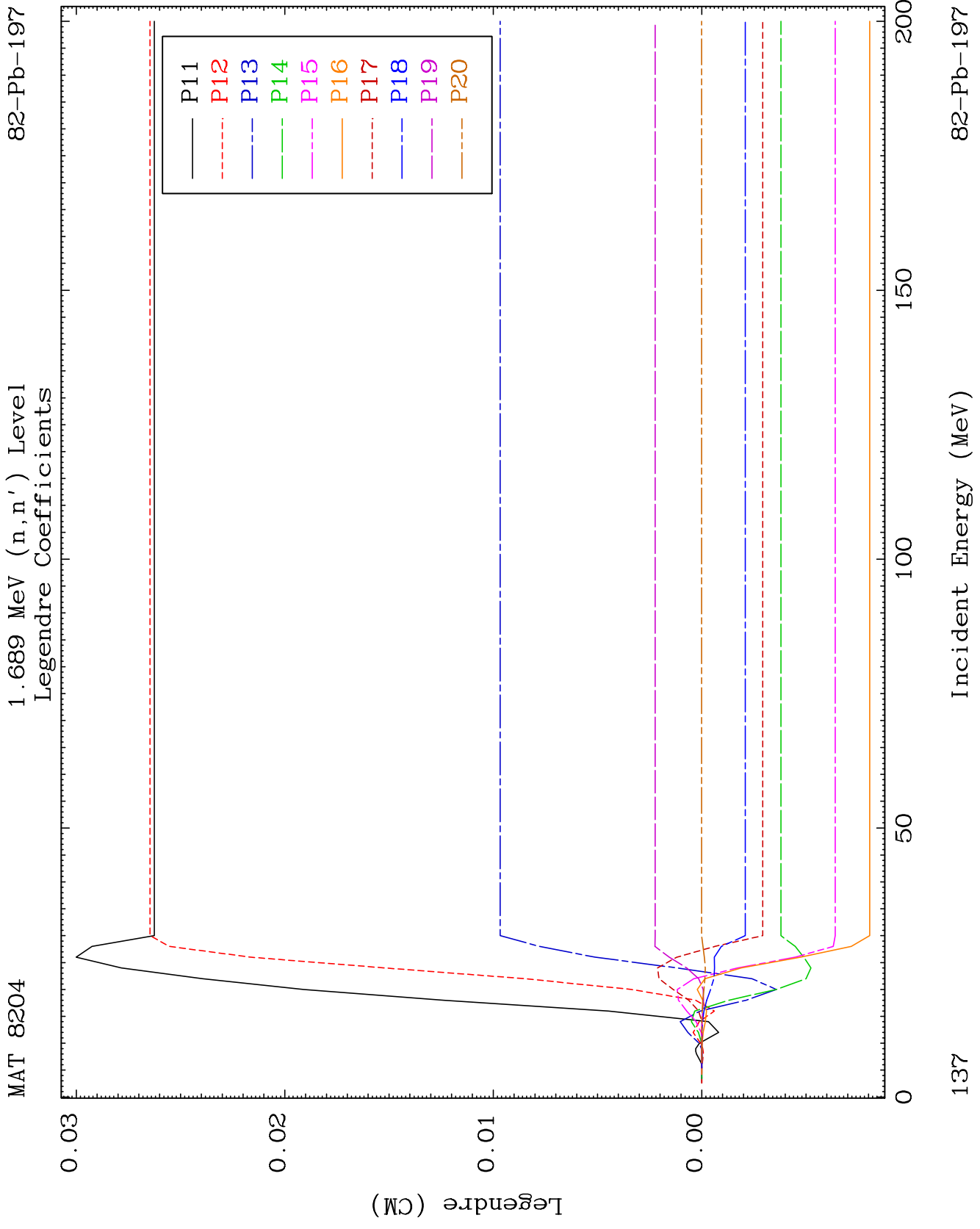
Incident Energy (MeV)

82-Pb-197





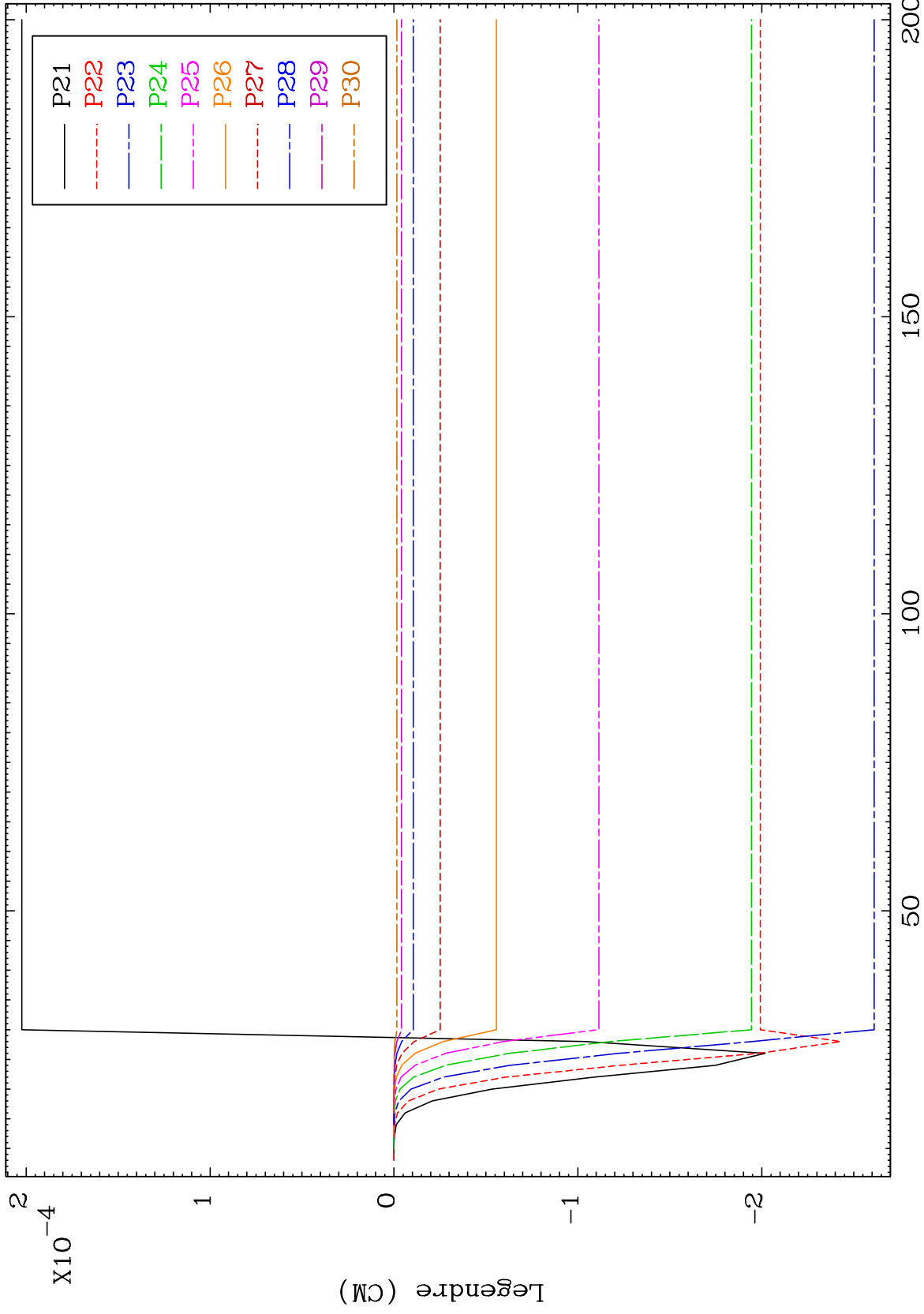




MAT 8204

1.689 MeV (n,n') Level  
Legendre Coefficients

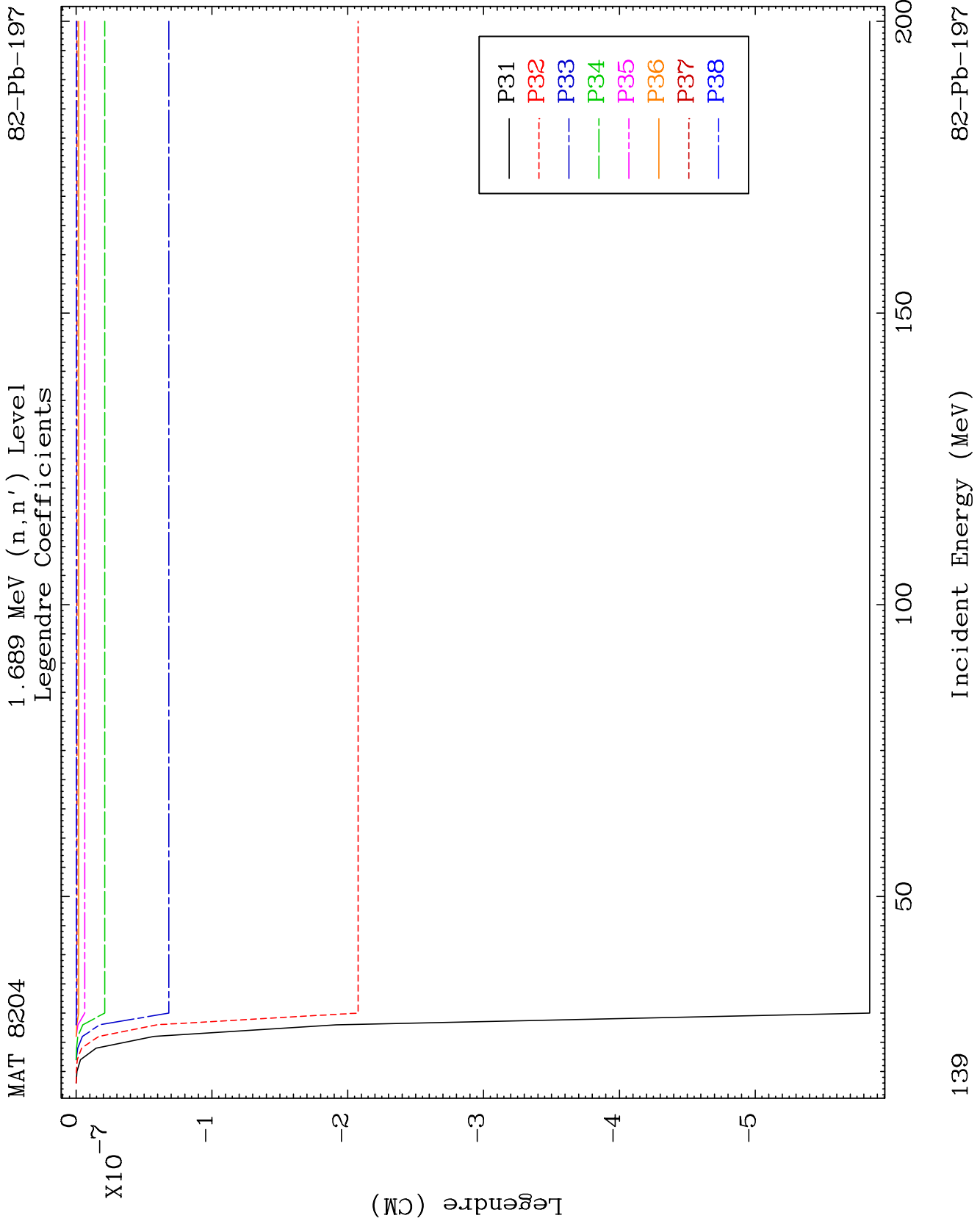
82-Pb-197



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Incident Energy (MeV)

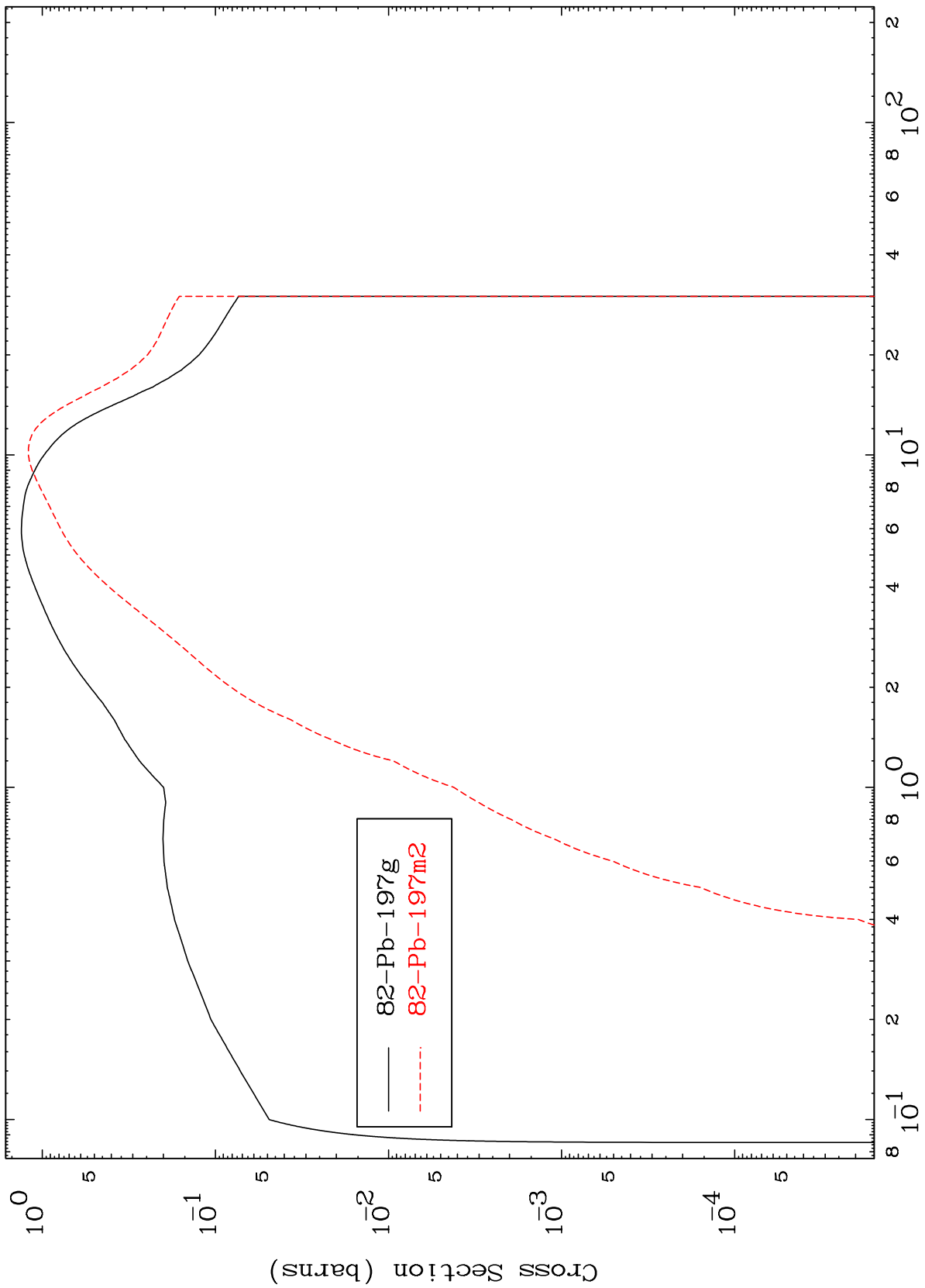
82-Pb-197



MAT 8204

82-Pb-197

Inelastic  
Radionuclide Production Cross Section



82-Pb-197

Incident Energy (MeV)

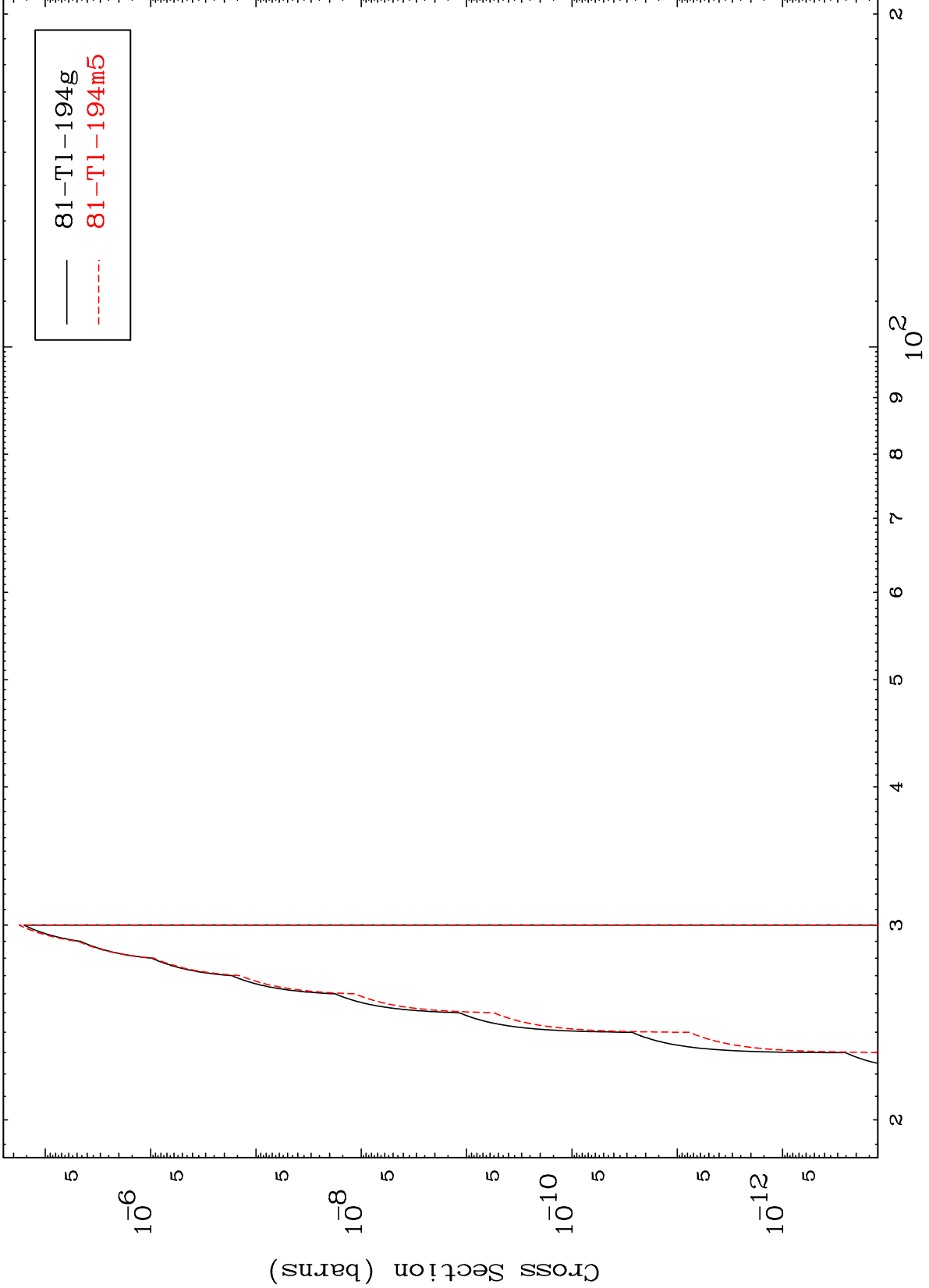
140

MAT 8204

(n,2n) d

82-Pb-197

Radionuclide Production Cross Section



141

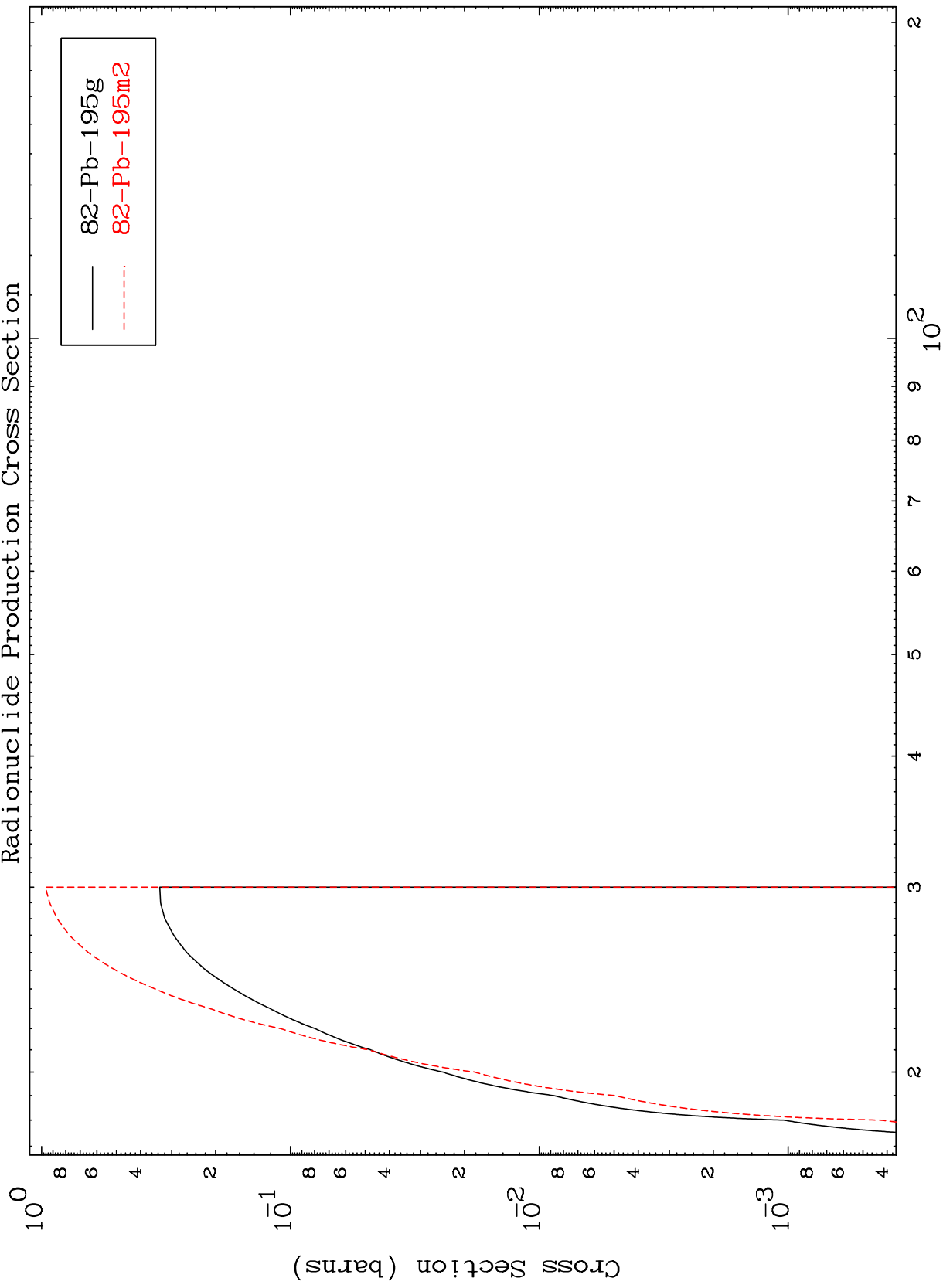
Incident Energy (MeV)

82-Pb-197

MAT 8204

82-Pb-197

(n,3n)  
Radionuclide Production Cross Section



82-Pb-197

Incident Energy (MeV)

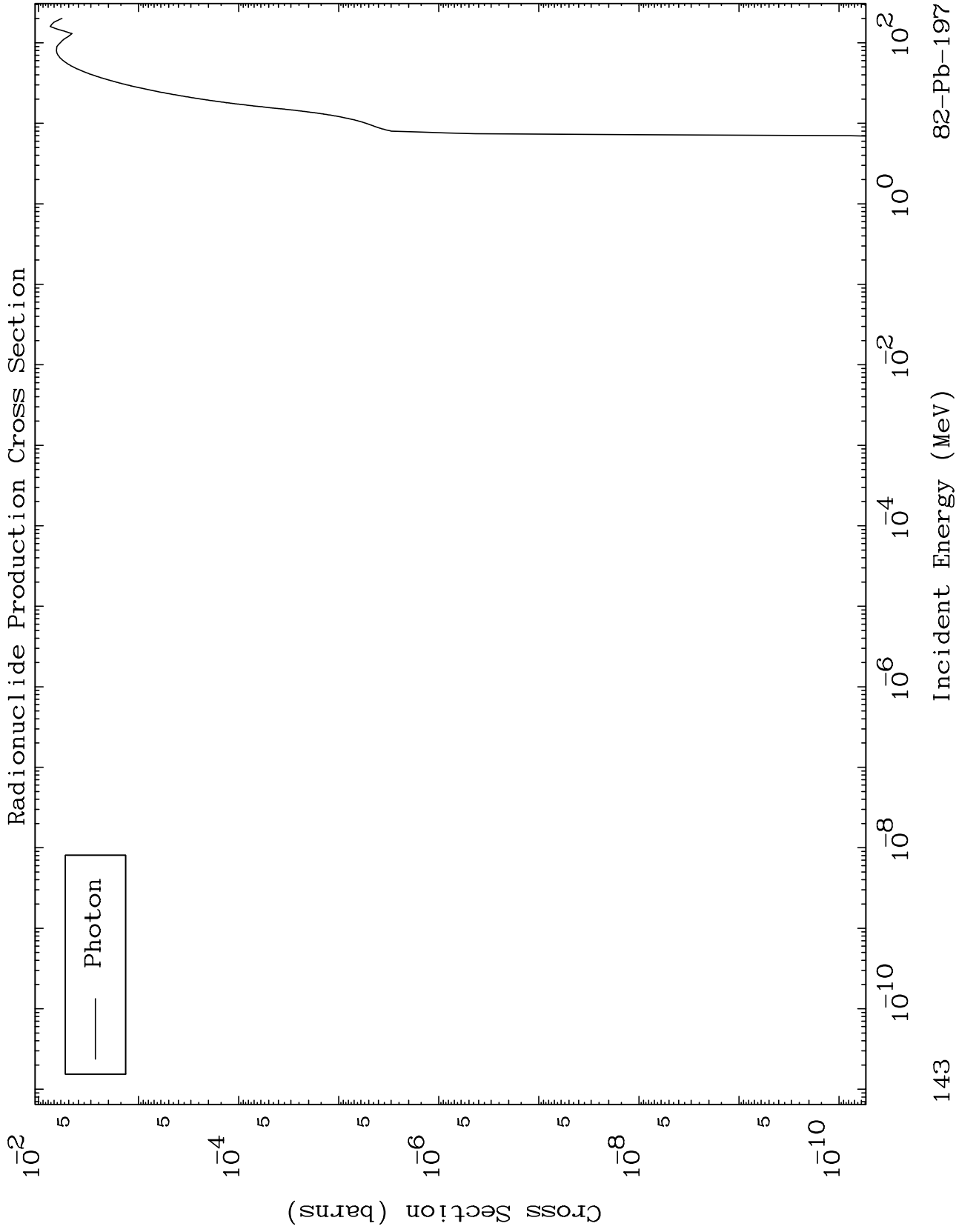
142

MAT 8204

Fission

82-Pb-197

Radionuclide Production Cross Section



143

Incident Energy (MeV)

82-Pb-197

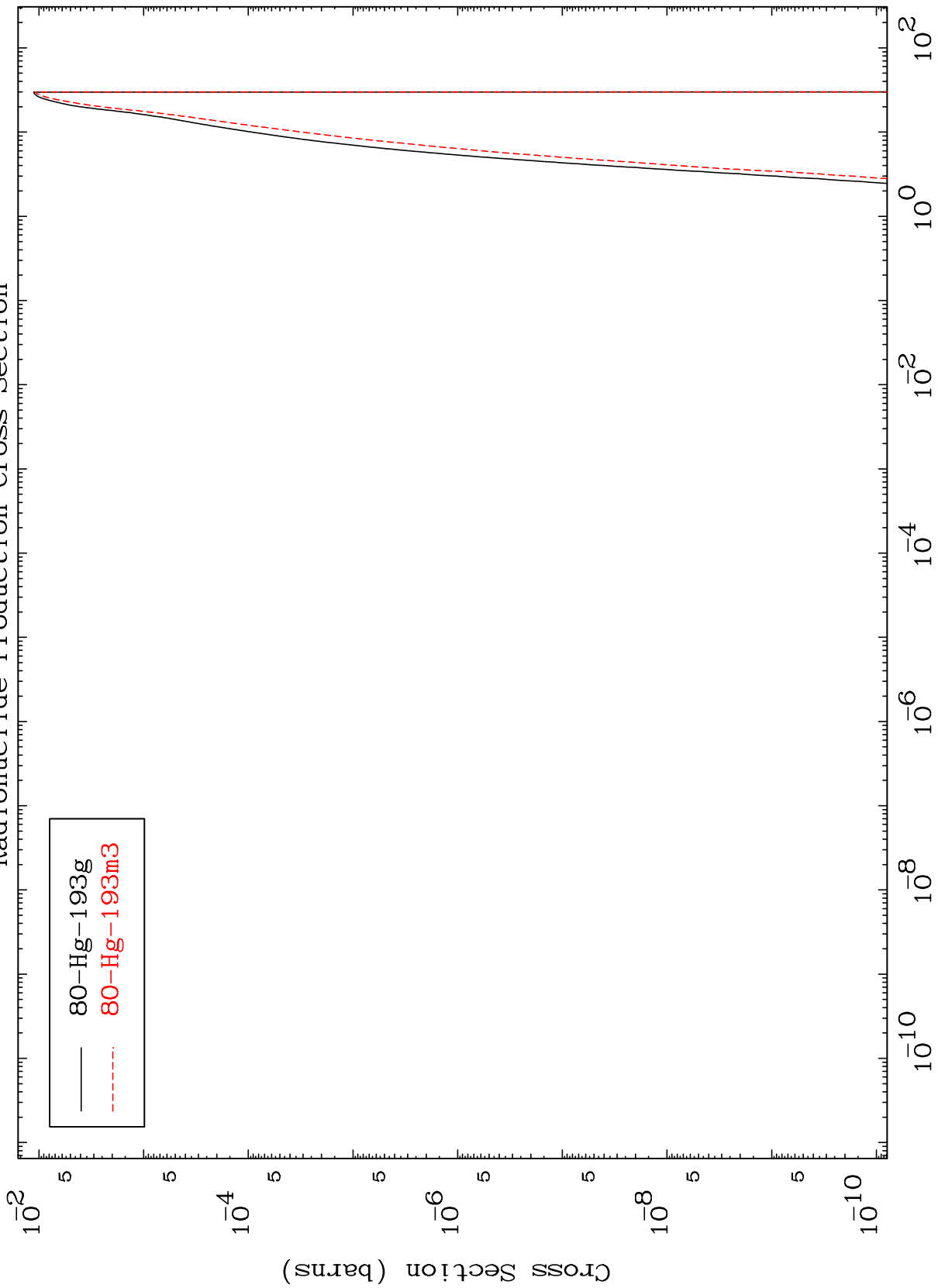


MAT 8204

$(n, n') \alpha$

82-Pb-197

Radionuclide Production Cross Section

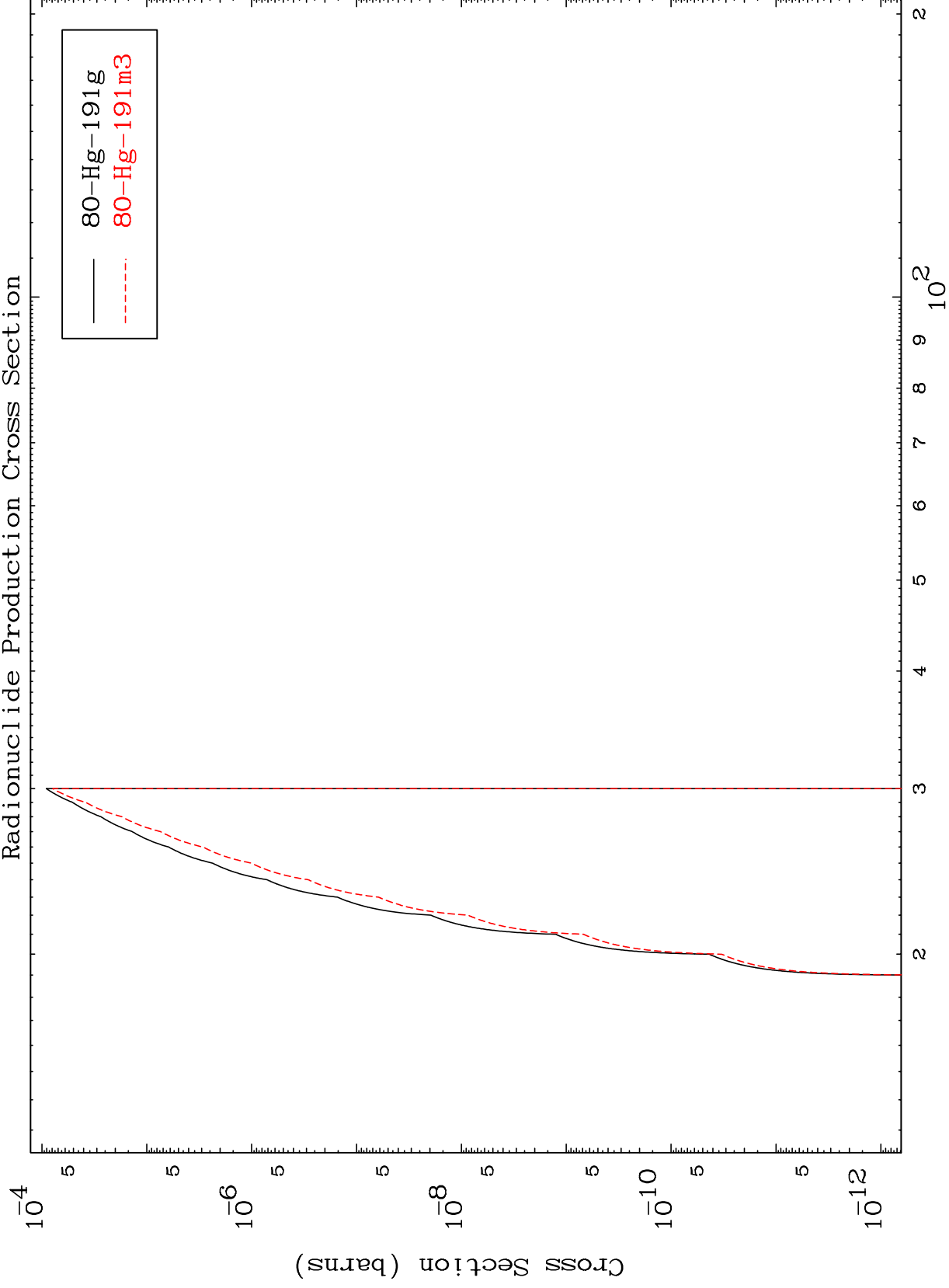


MAT 8204

$(n,3n) \alpha$

82-Pb-197

Radionuclide Production Cross Section

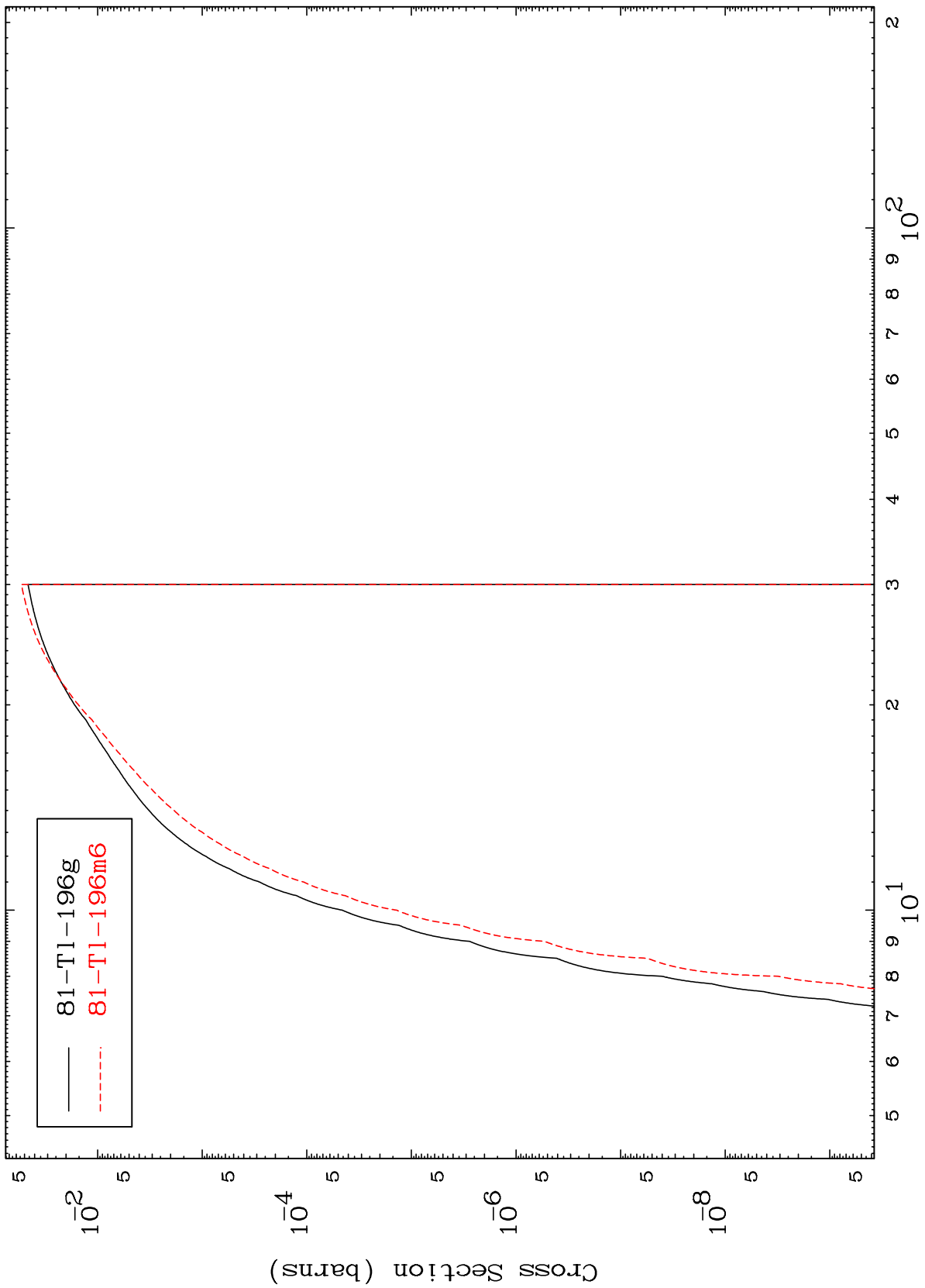


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Incident Energy (MeV)

82-Pb-197

(n,n') p  
Radionuclide Production Cross Section

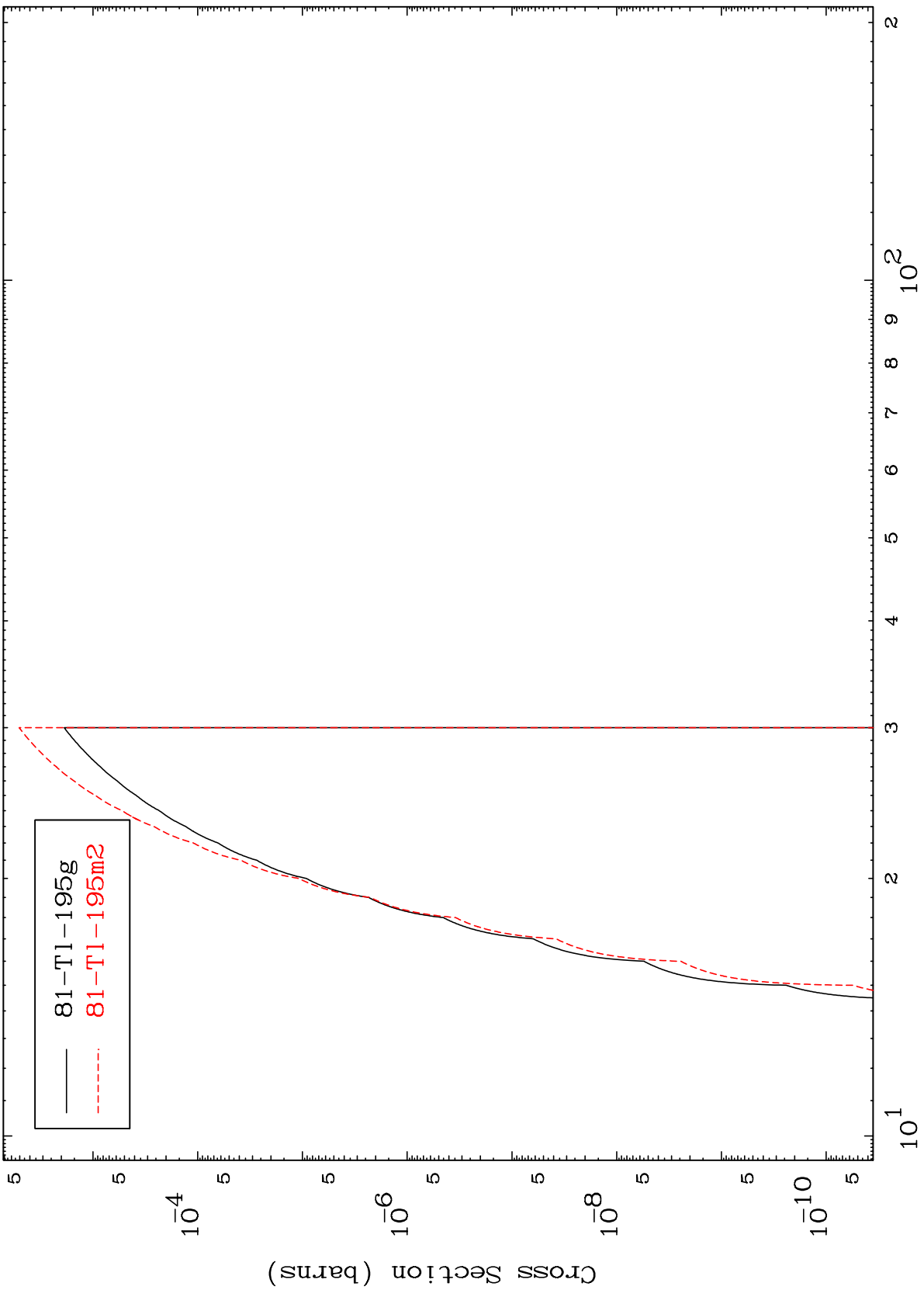


MAT 8204

(n,n') d

82-Pb-197

Radionuclide Production Cross Section

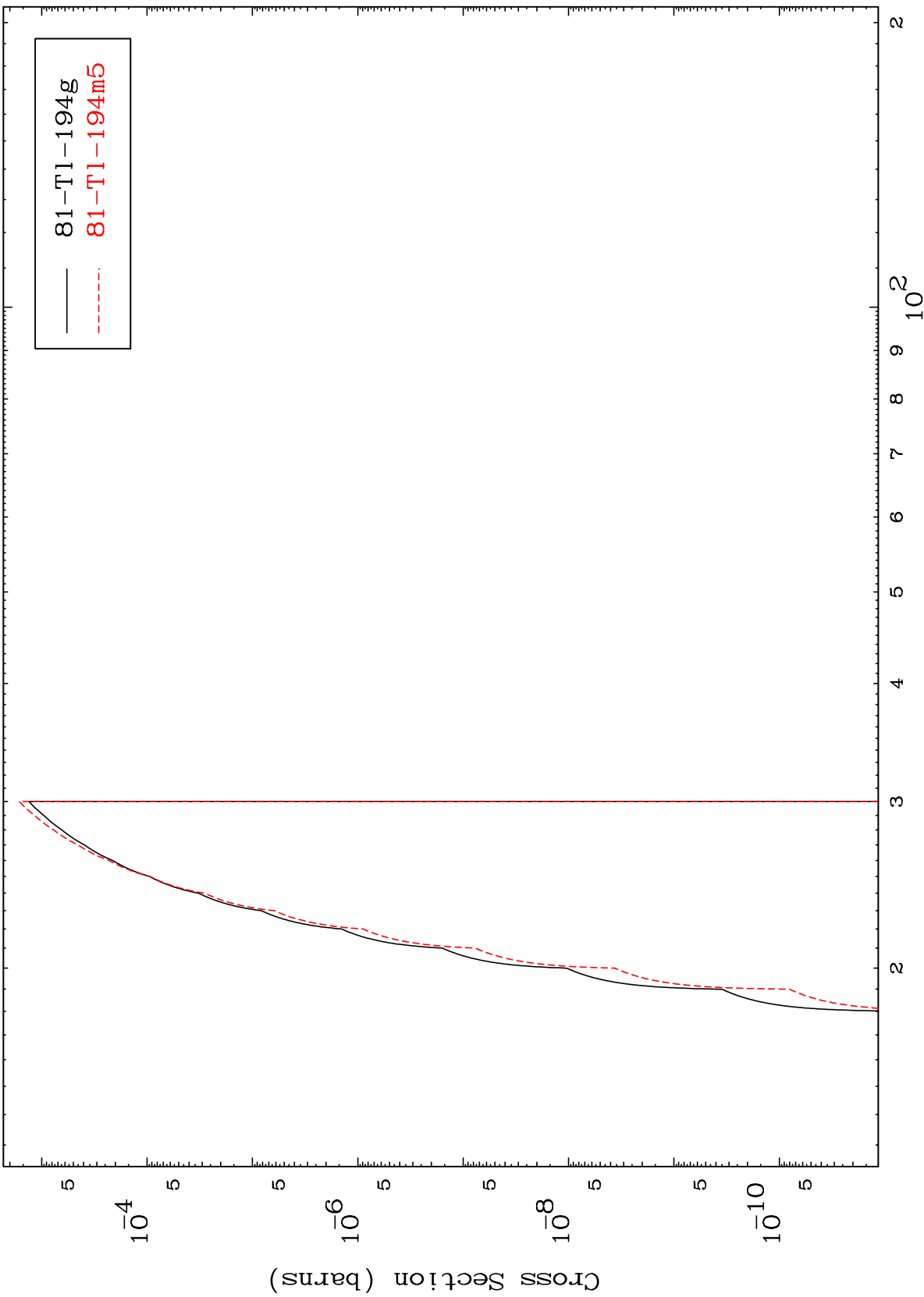


147

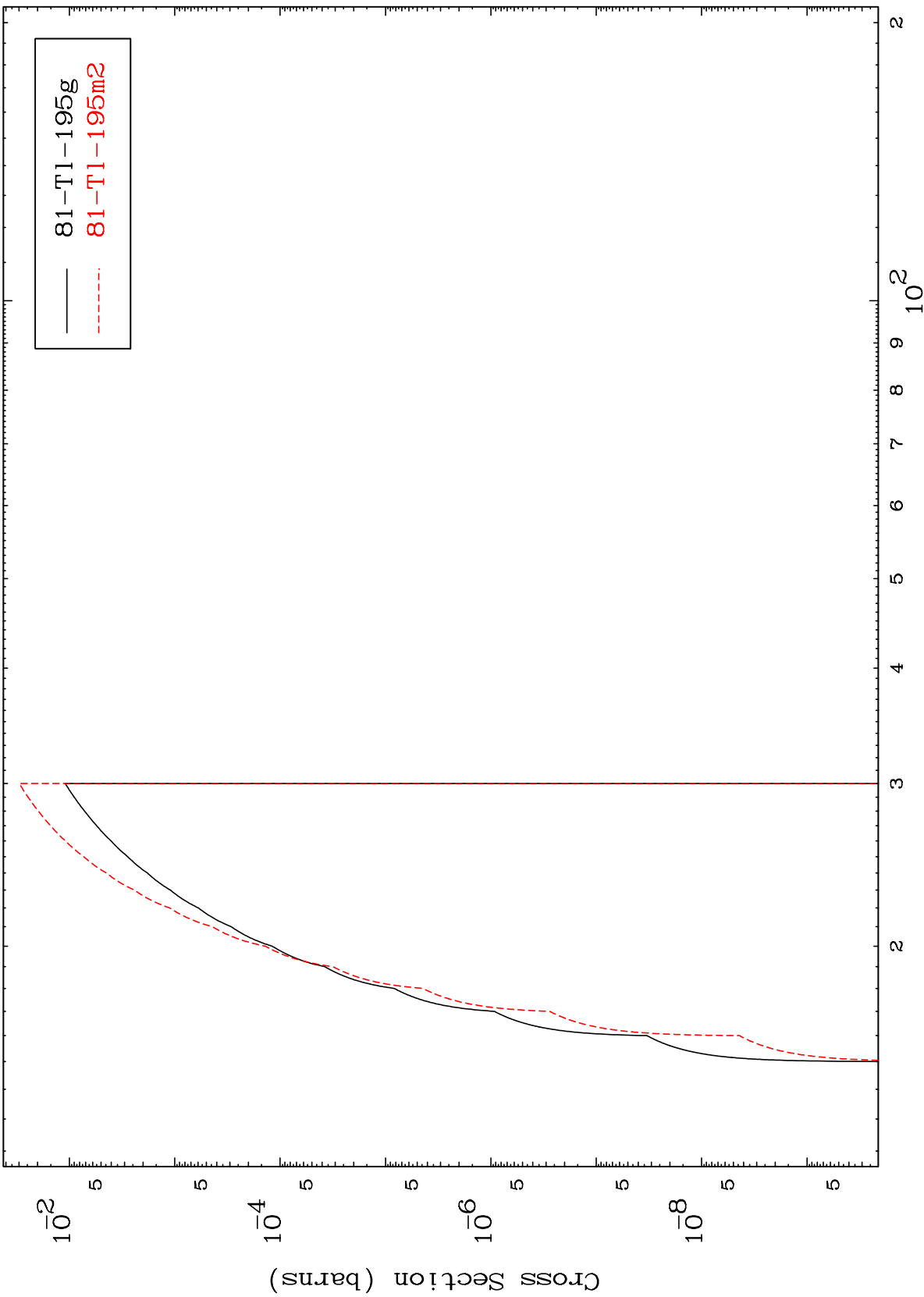
Incident Energy (MeV)

82-Pb-197

Radionuclide Production Cross Section



Radionuclide Production Cross Section

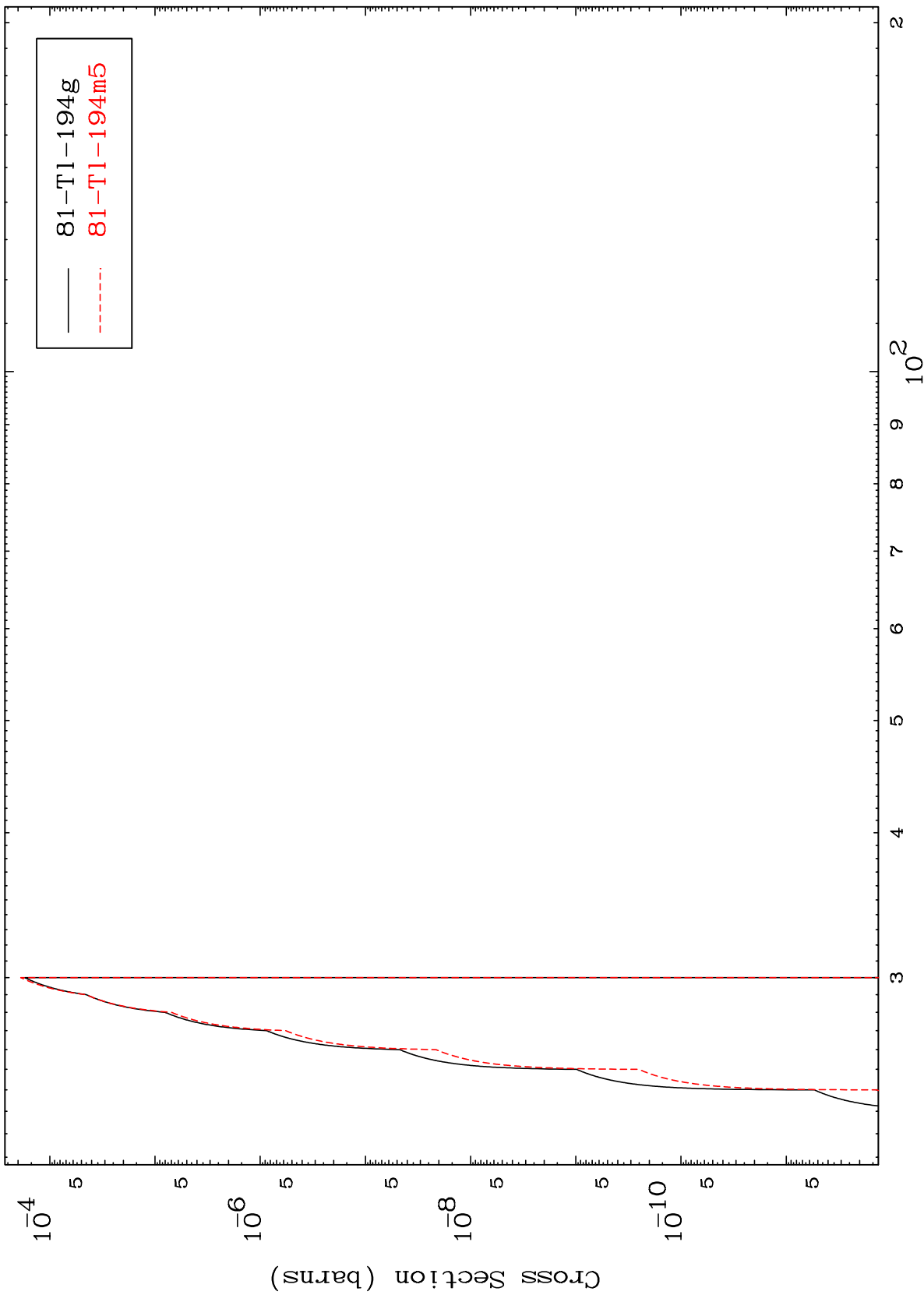


MAT 8204

(n,3n) p

82-Pb-197

Radionuclide Production Cross Section



150

Incident Energy (MeV)

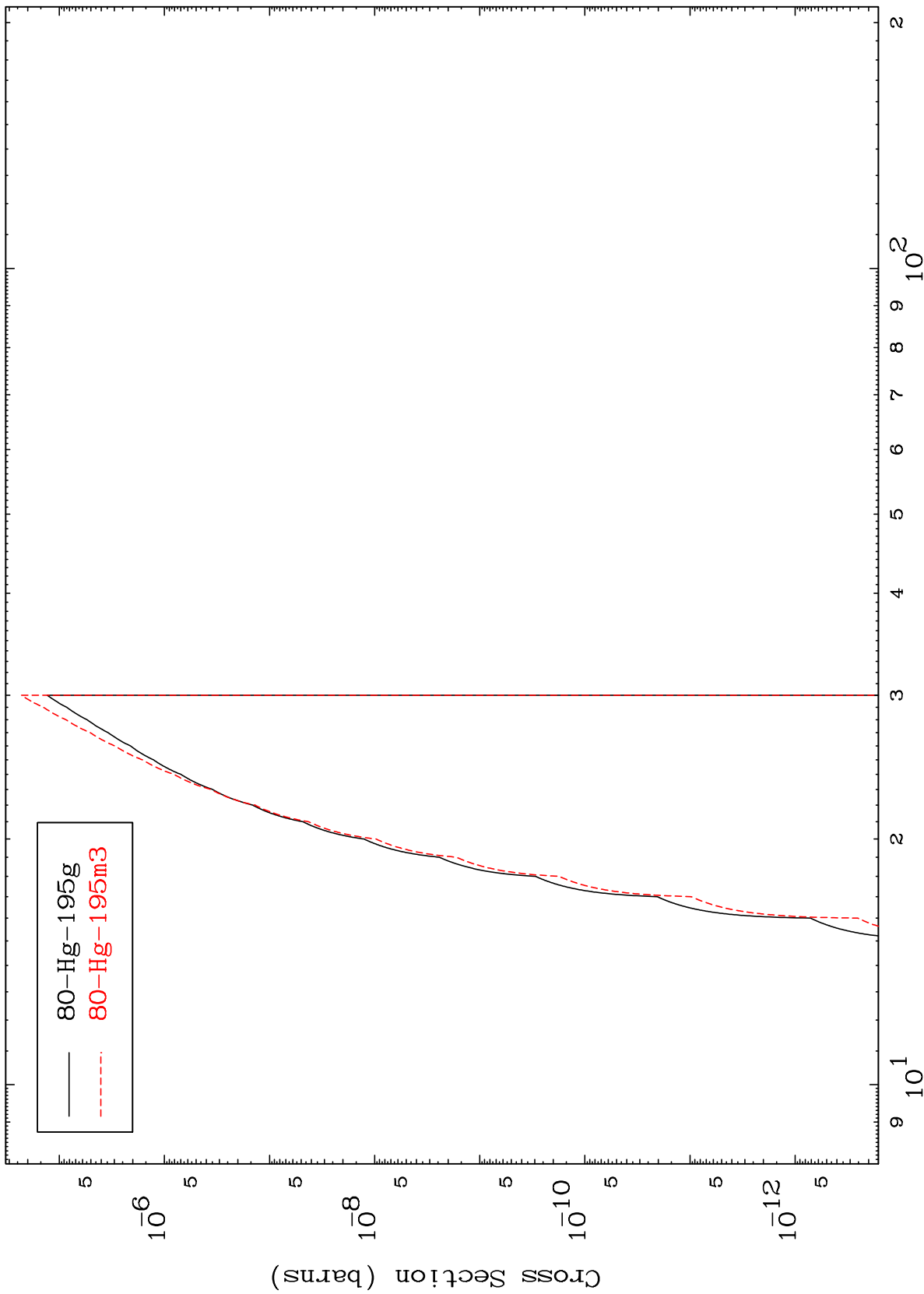
82-Pb-197

MAT 8204

(n,2n) p

82-Pb-197

Radionuclide Production Cross Section



151

Incident Energy (MeV)

82-Pb-197

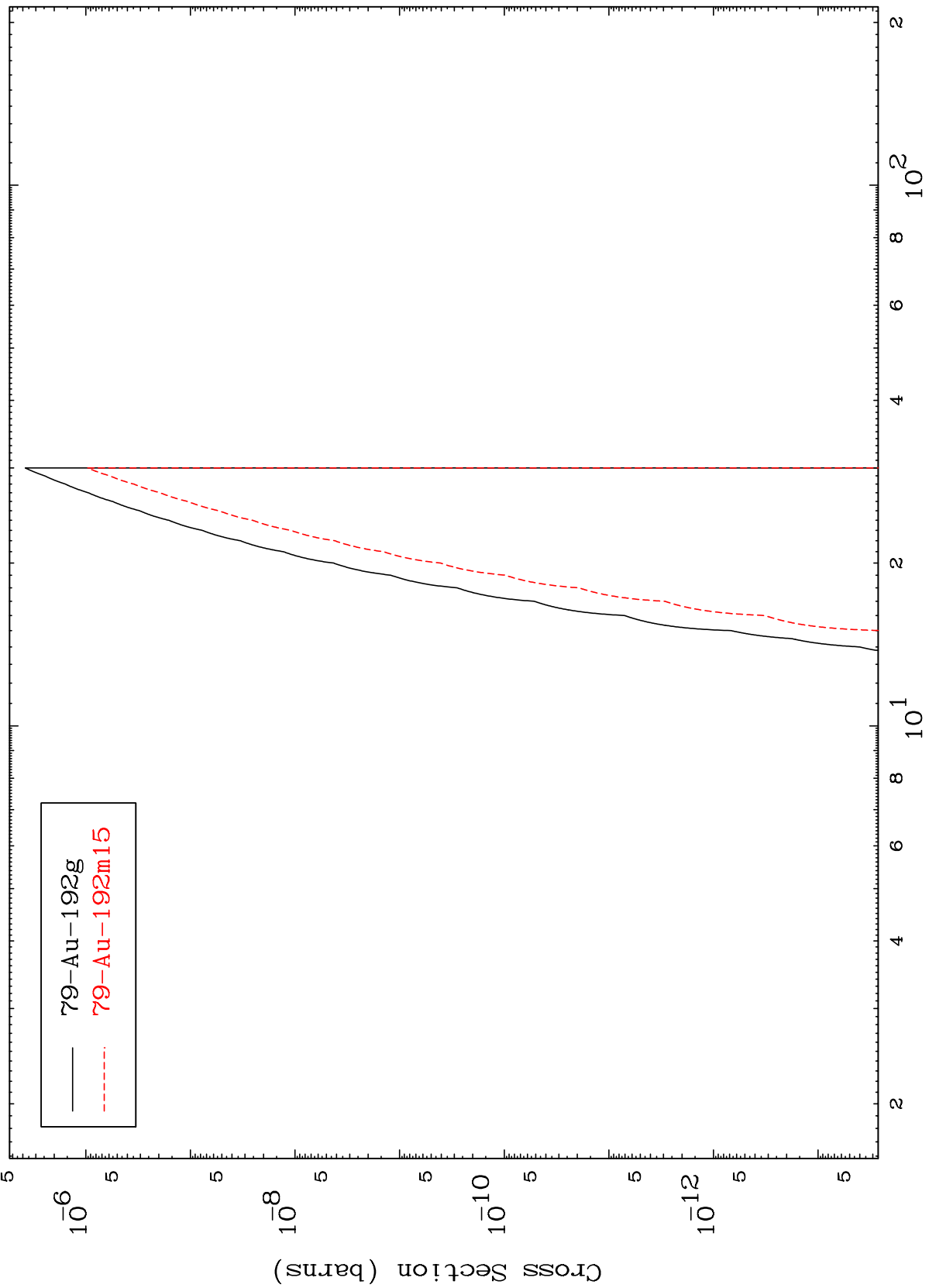


MAT 8204

(n,n') p  $\alpha$

82-Pb-197

Radionuclide Production Cross Section



—  $^{79}\text{Au-192g}$   
- - -  $^{79}\text{Au-192m15}$

152

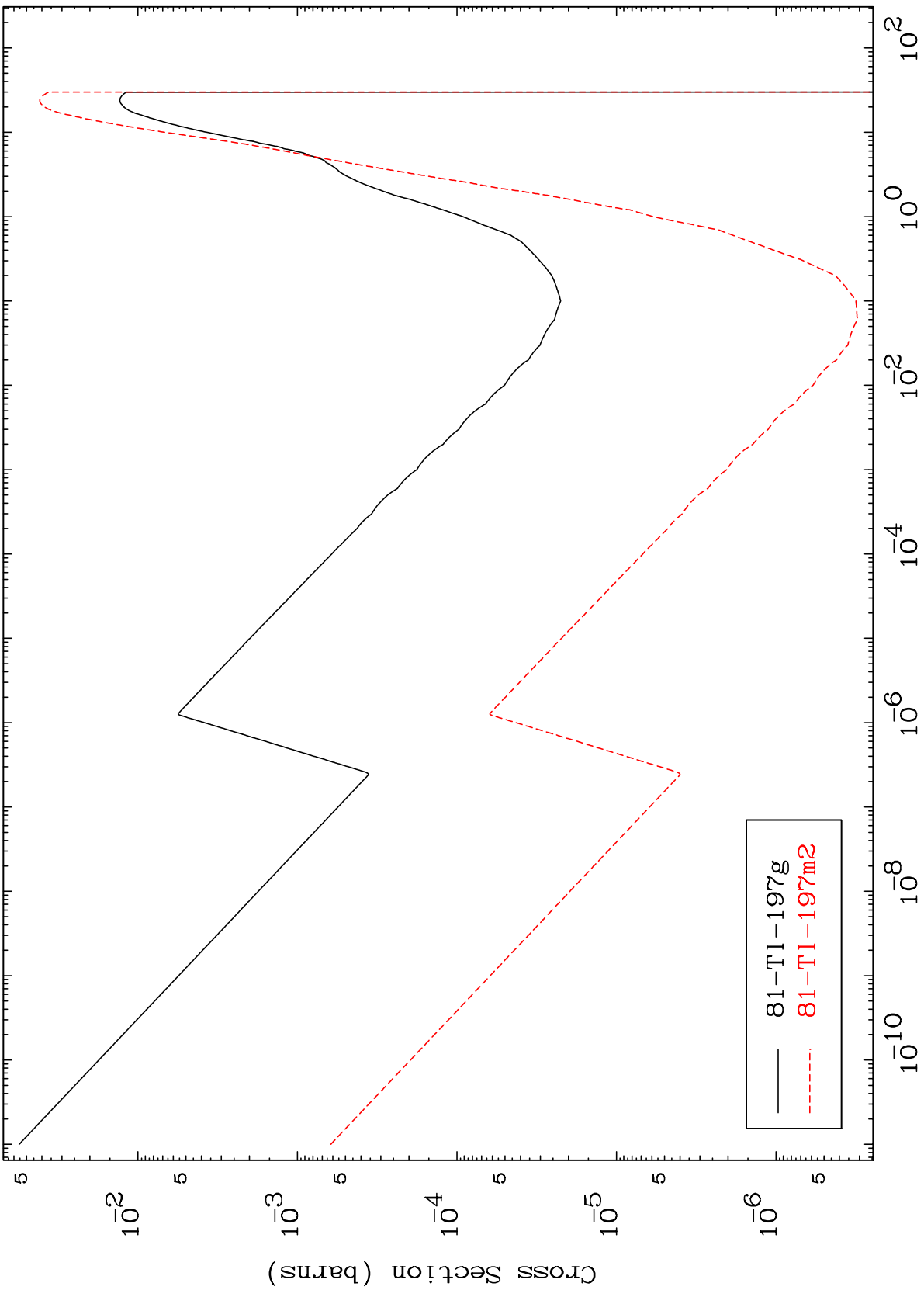
Incident Energy (MeV)

82-Pb-197

MAT 8204

82-Pb-197

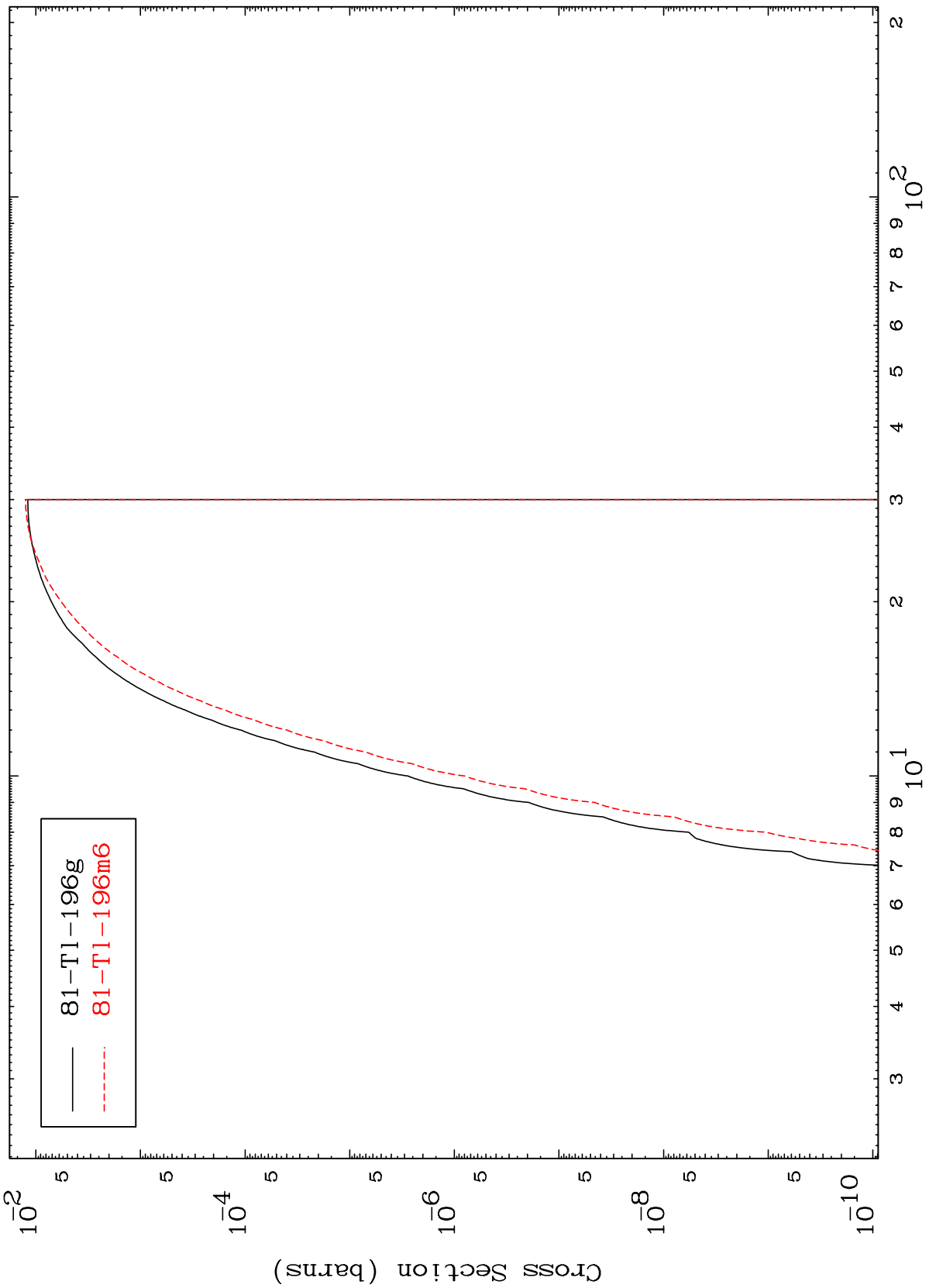
Radionuclide Production Cross Section  
(n,p)



MAT 8204

82-Pb-197

(n,d)  
Radionuclide Production Cross Section



— 81-Tl-196g  
- - - 81-Tl-196m6

154

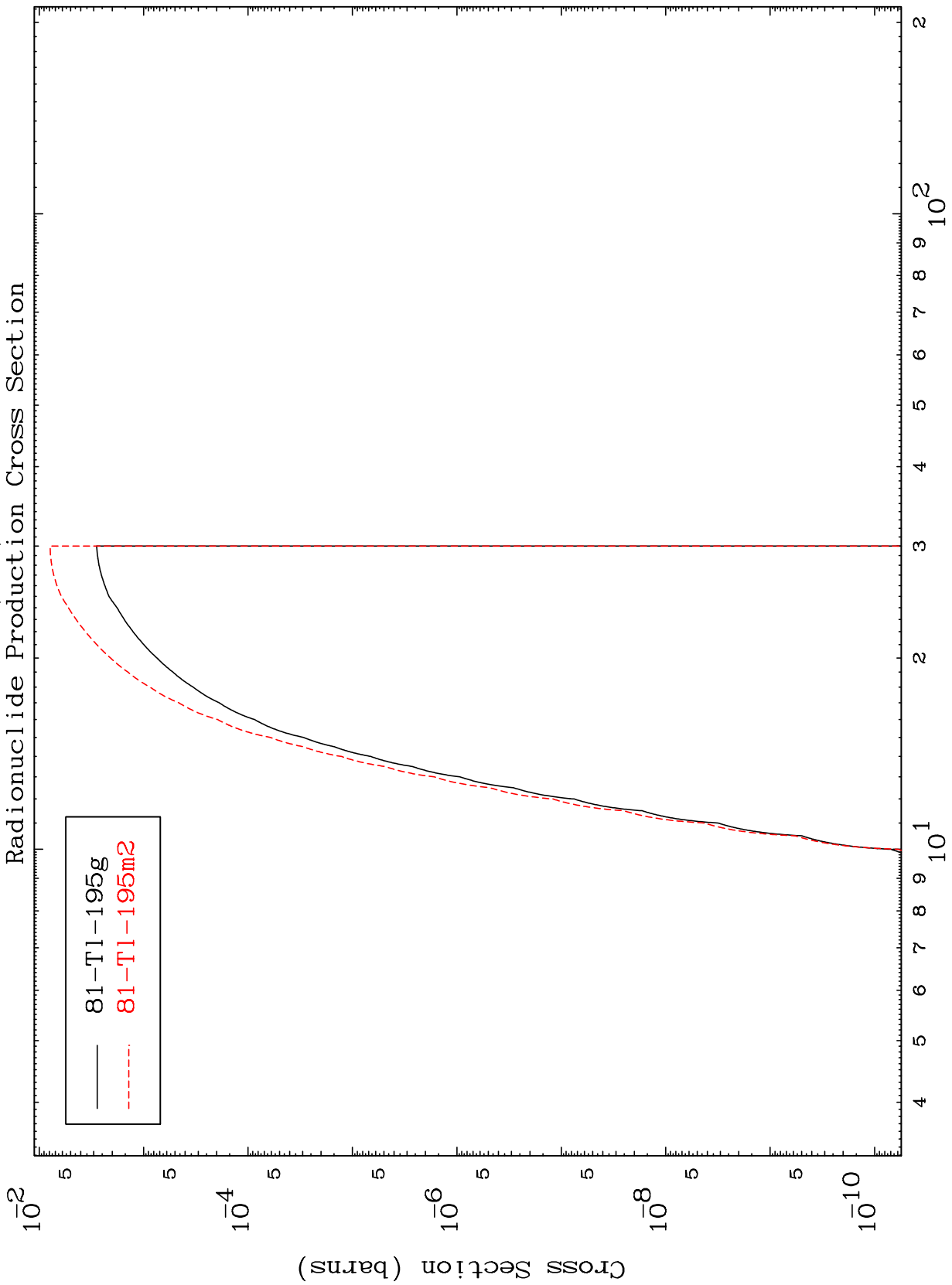
Incident Energy (MeV)

82-Pb-197

MAT 8204

82-Pb-197

Radionuclide Production Cross Section  
(n, t)



155

Incident Energy (MeV)

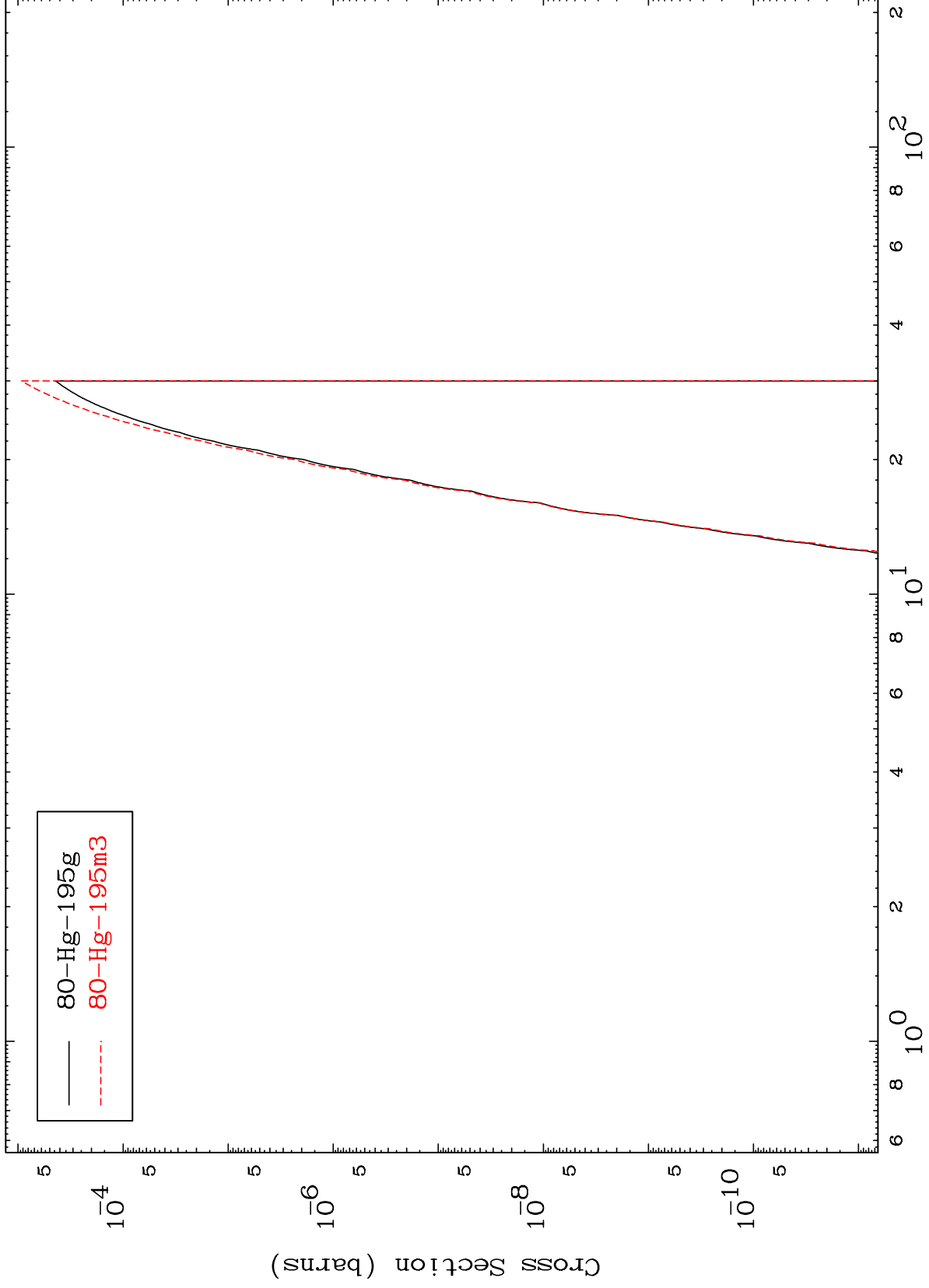
82-Pb-197

MAT 8204

(n,He-3)

82-Pb-197

Radionuclide Production Cross Section



156

Incident Energy (MeV)

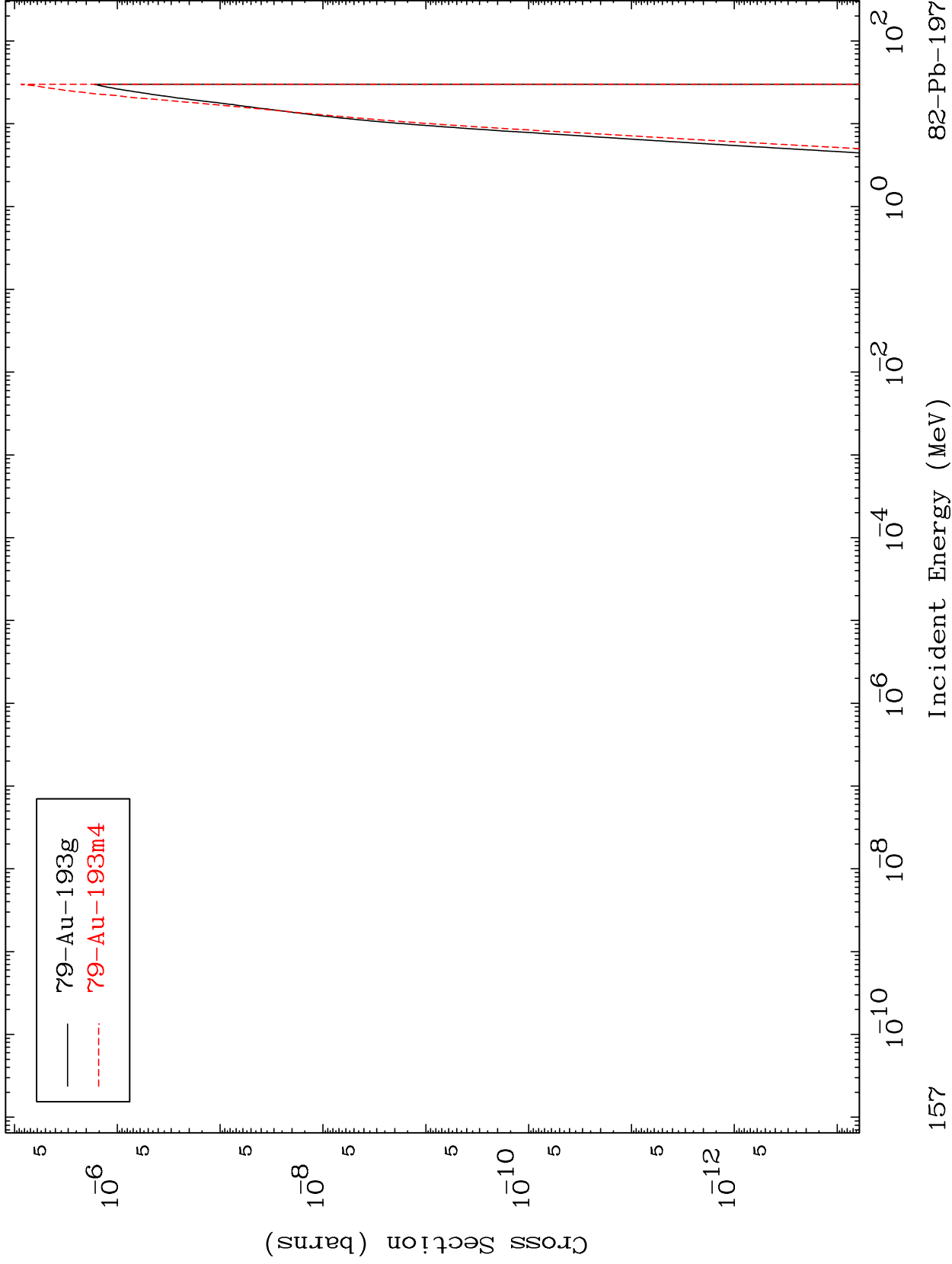
82-Pb-197

MAT 8204

(n,p)  $\alpha$

82-Pb-197

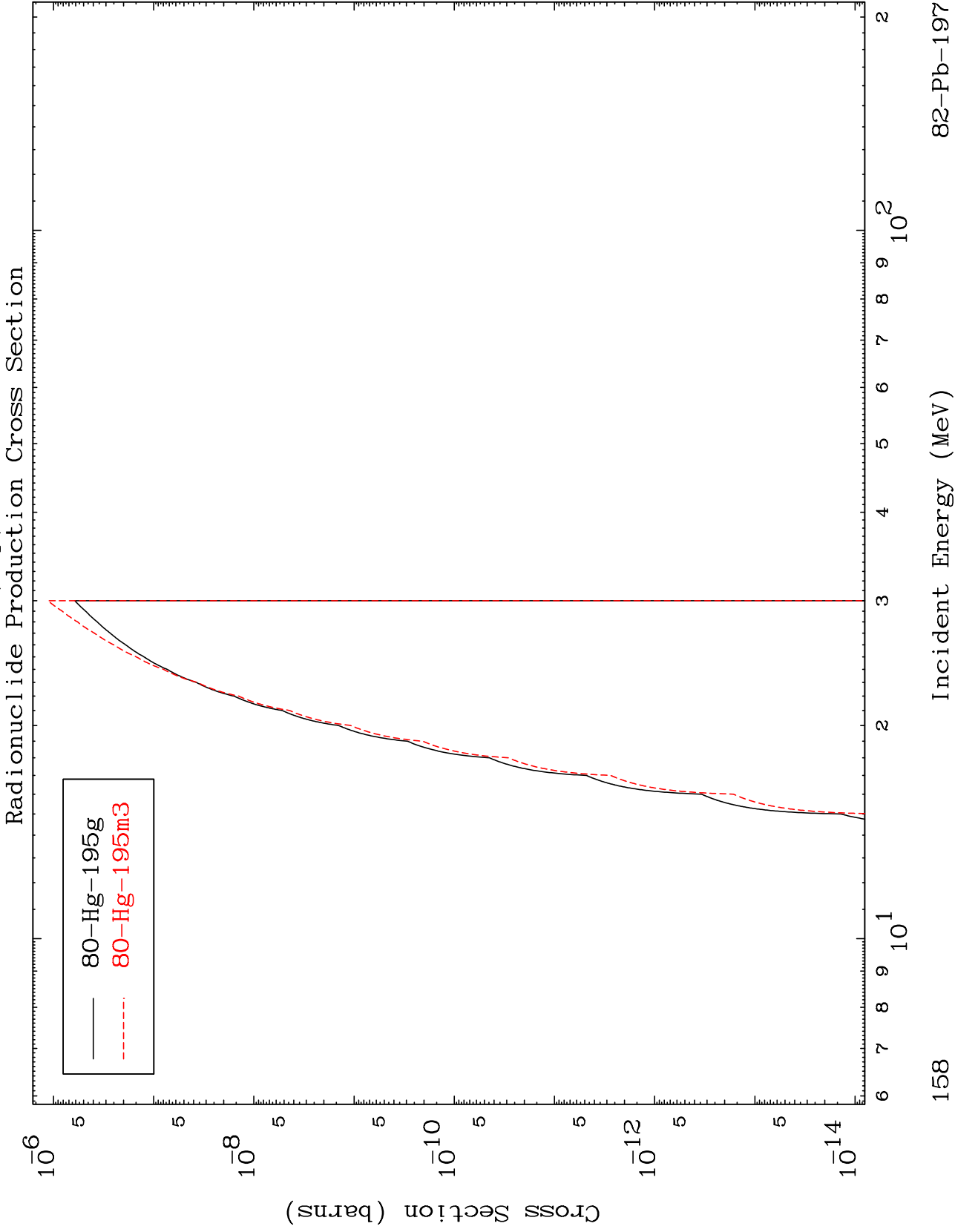
Radionuclide Production Cross Section



MAT 8204

(n,p) d

82-Pb-197



MAT 8204

(n,d)  $\alpha$

82-Pb-197

Radionuclide Production Cross Section

