

Program EVALPLOT  
(Version 2021-1)

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](mailto:redcullen1@comcast.net)

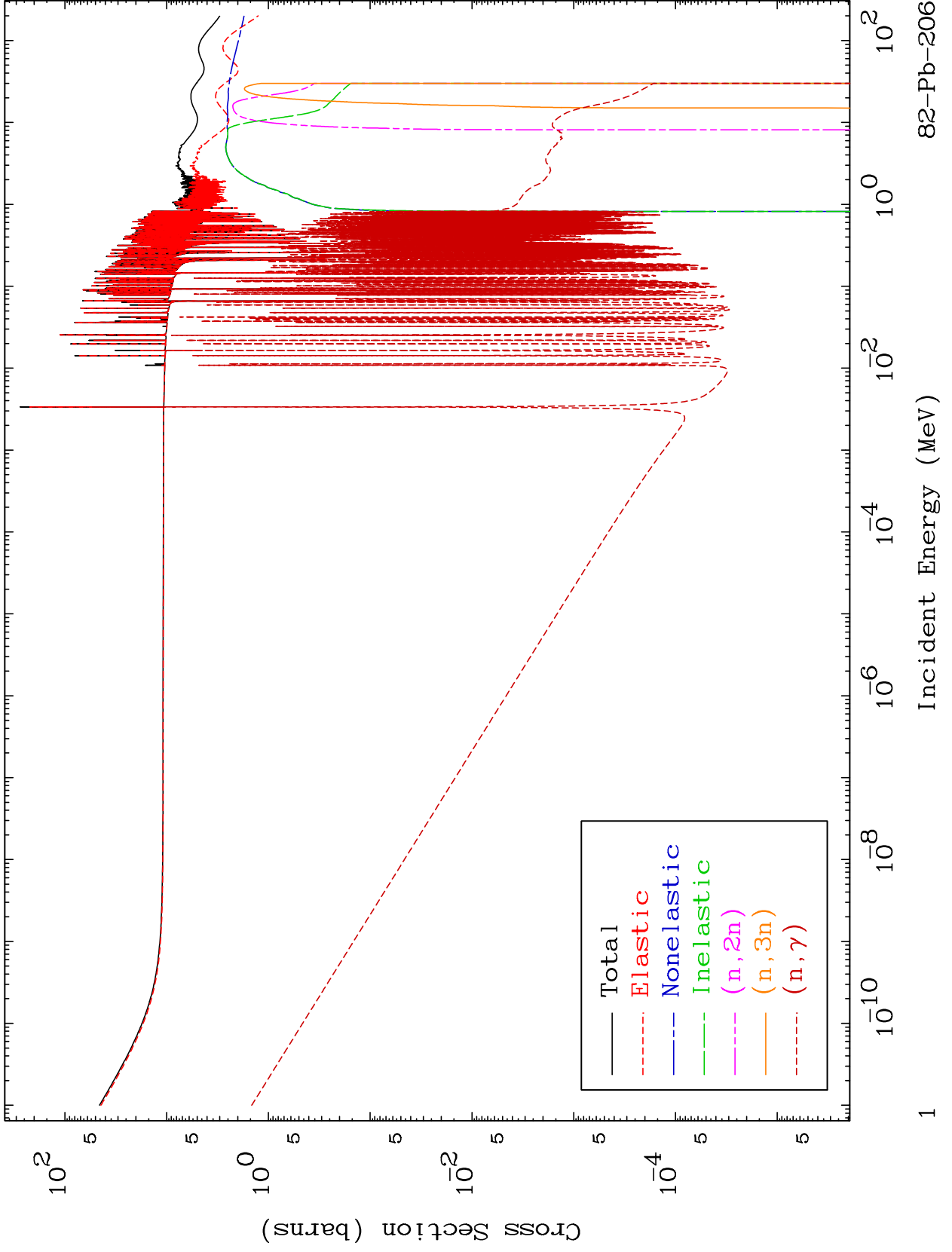
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 8231

Neutron Major  
293 Kelvin Cross Sections

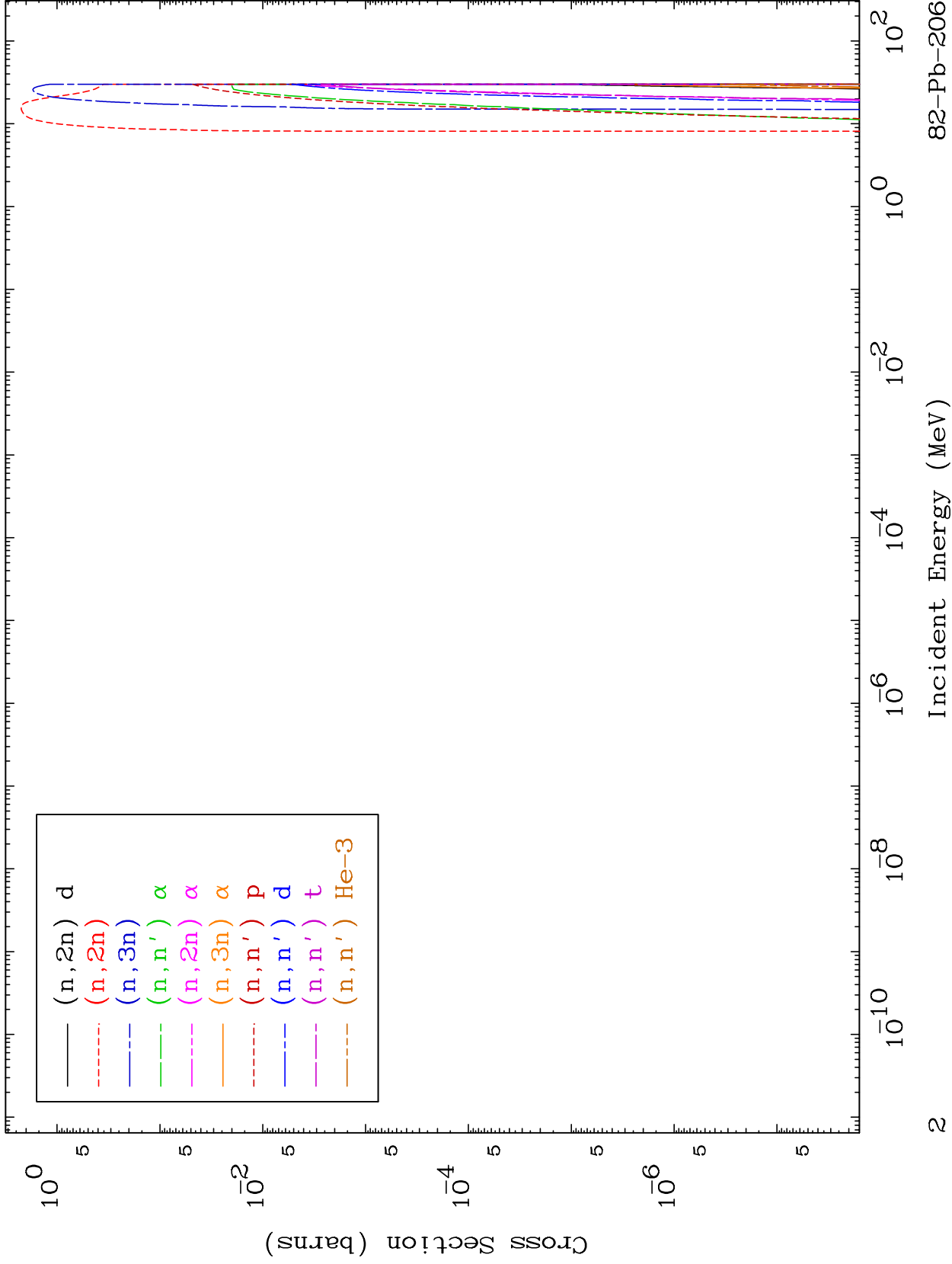
82-Pb-206



MAT 8231

Neutron Absorption  
293 Kelvin Cross Sections

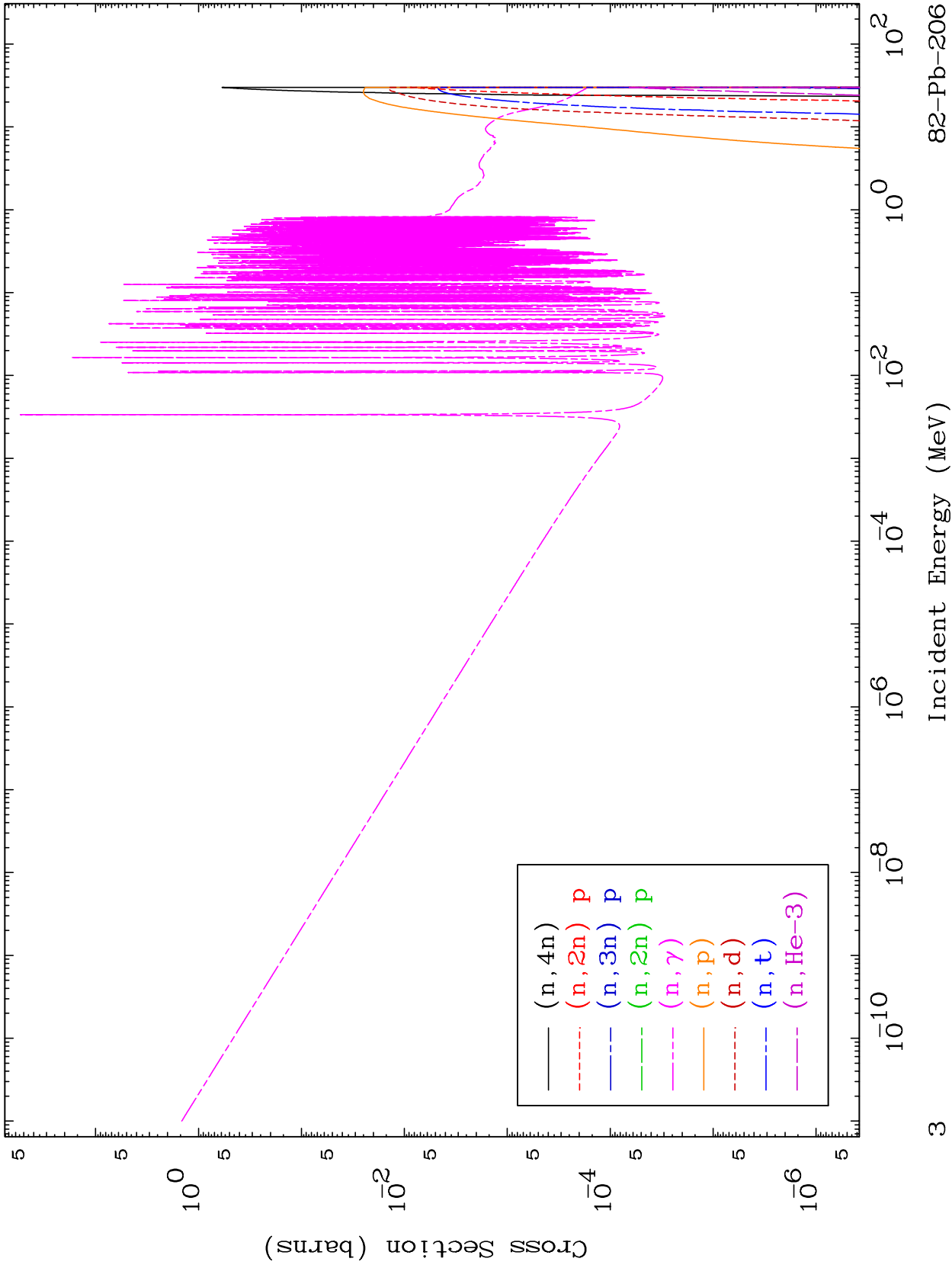
82-Pb-206



MAT 8231

Neutron Absorption  
293 Kelvin Cross Sections

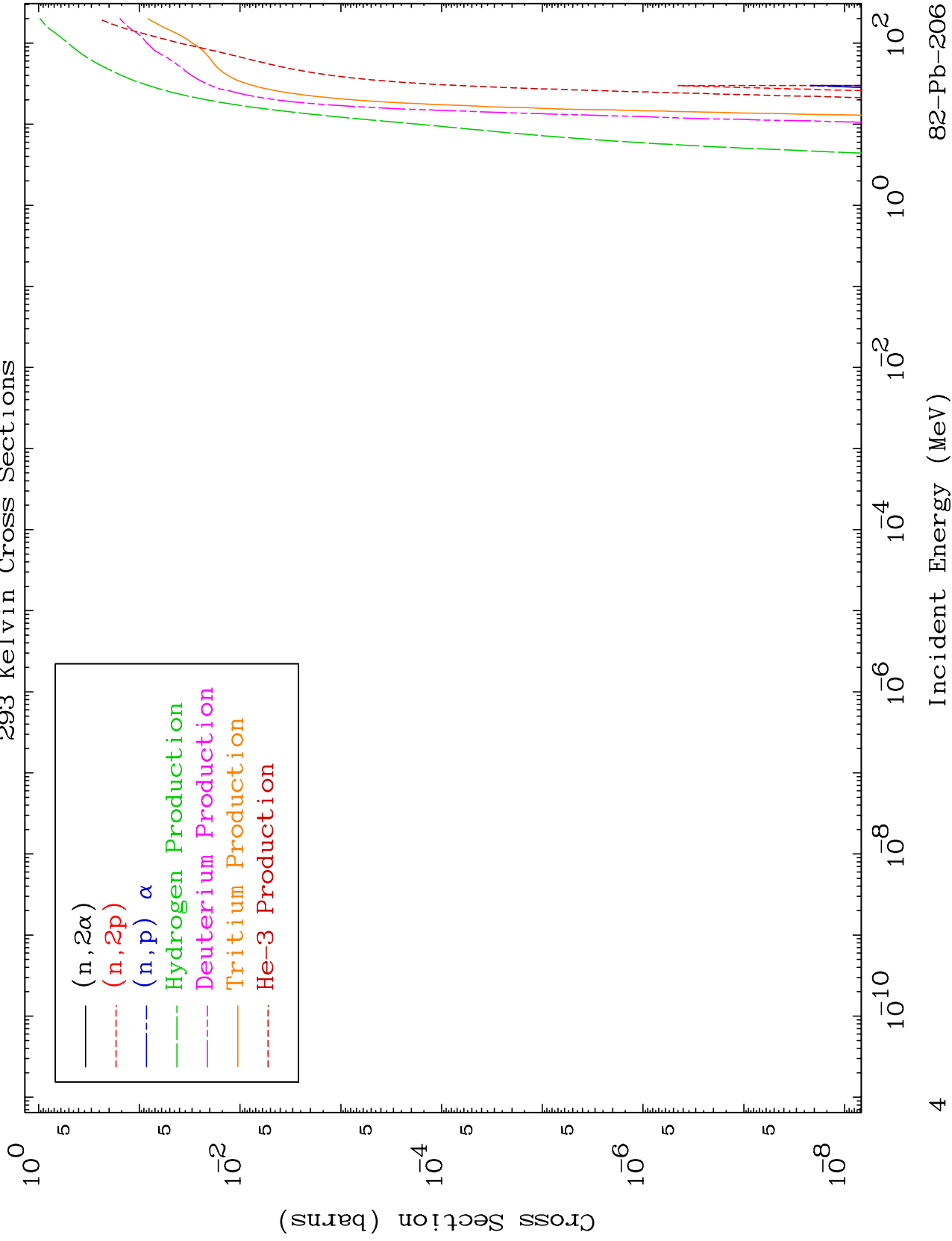
82-Pb-206



MAT 8231

Neutron Absorption  
293 Kelvin Cross Sections

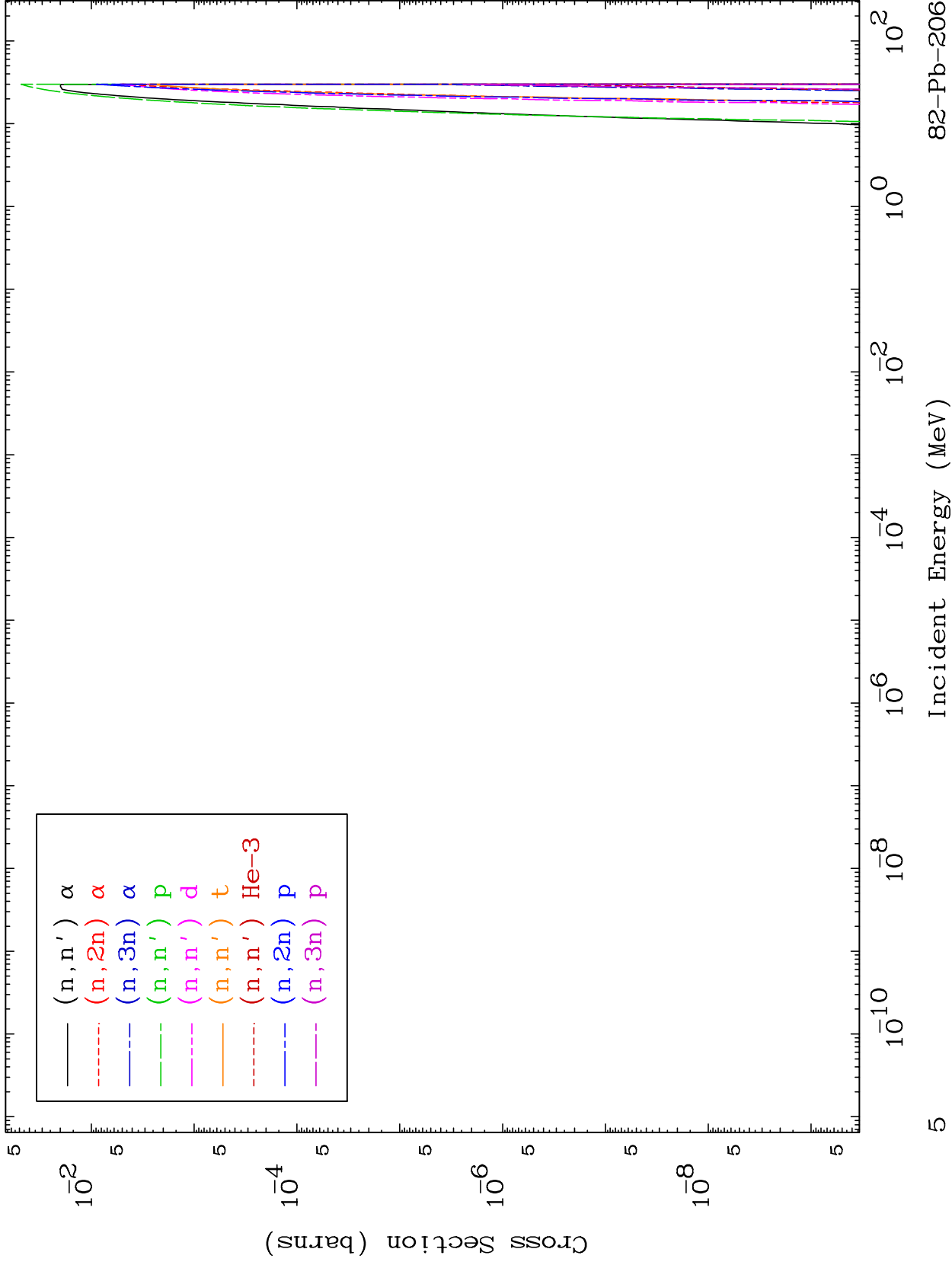
82-Pb-206



MAT 8231

Charged Particle  
293 Kelvin Cross Sections

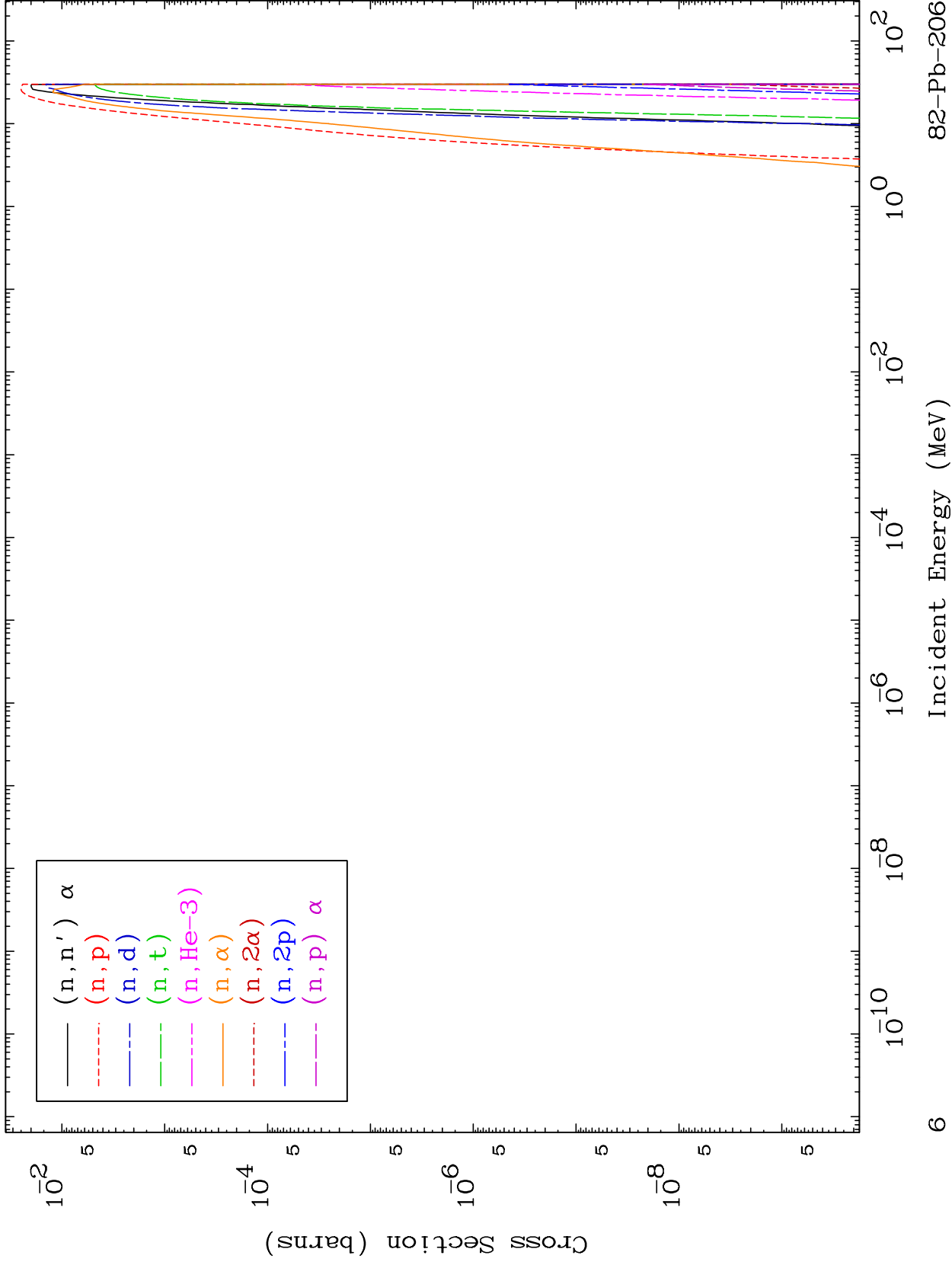
82-Pb-206



MAT 8231

Charged Particle  
293 Kelvin Cross Sections

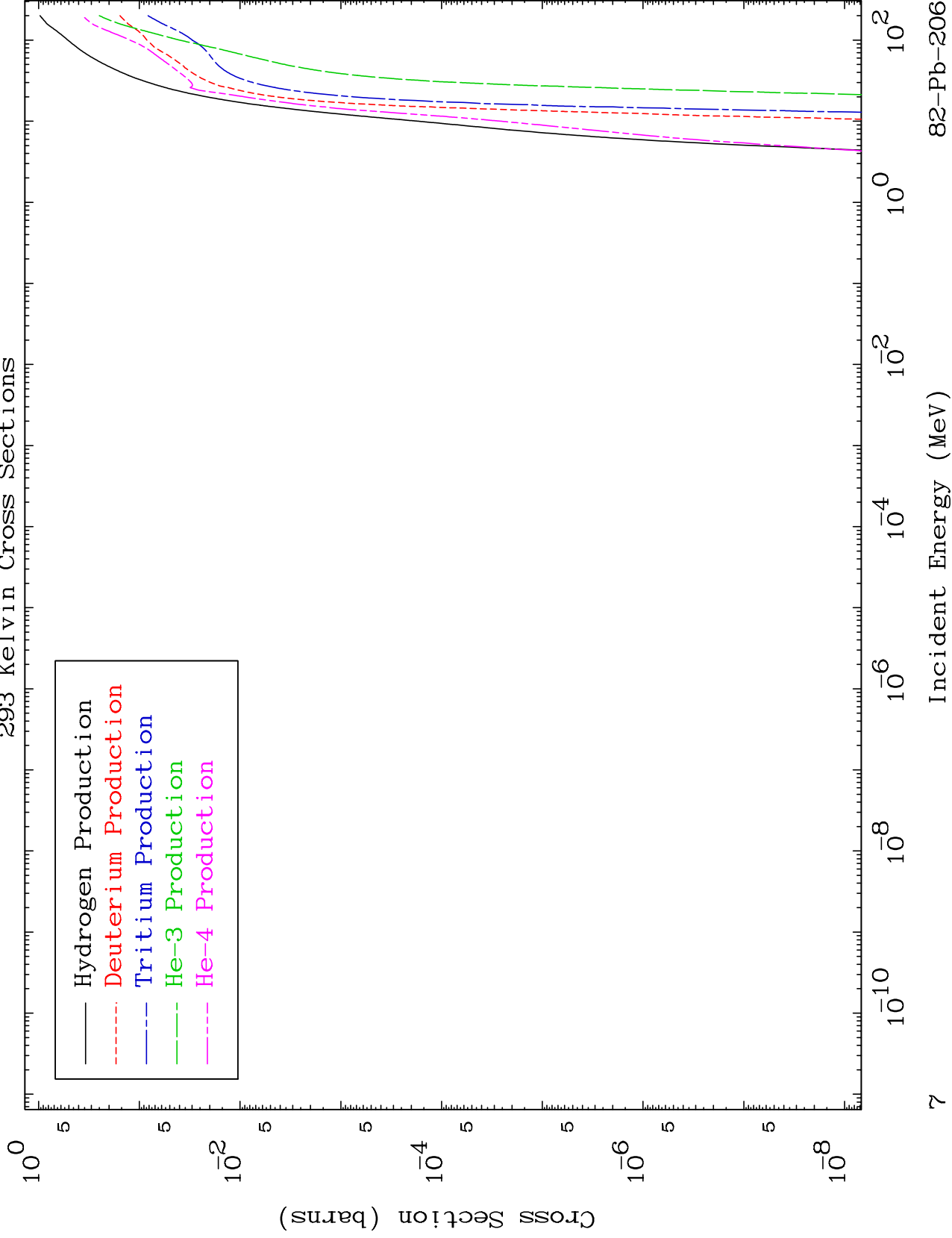
82-Pb-206



MAT 8231

Particle Production  
293 Kelvin Cross Sections

82-Pb-206



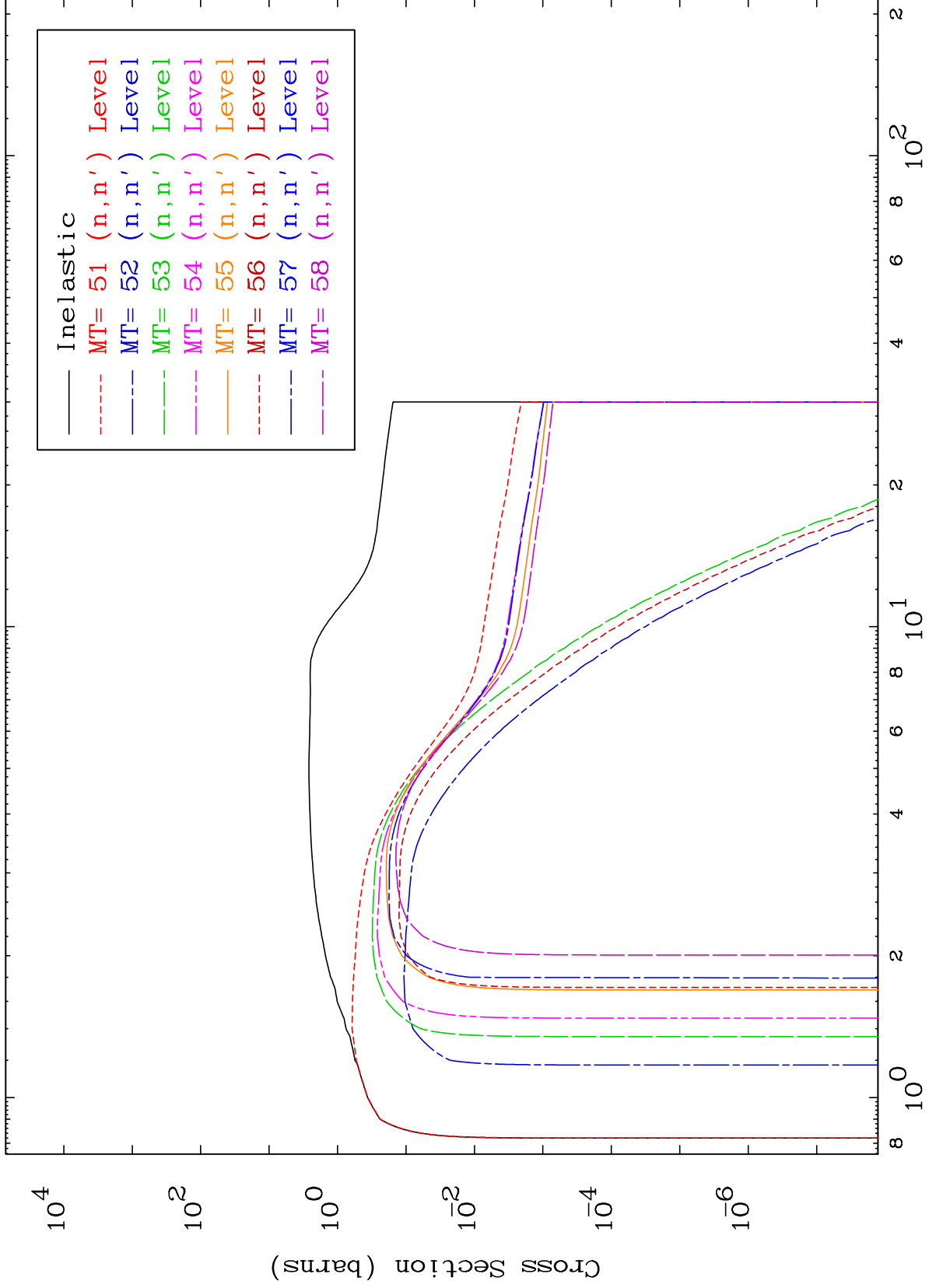


MAT 8231

(n,n') Levels

82-Pb-206

293 Kelvin Cross Sections



Incident Energy (MeV)

82-Pb-206

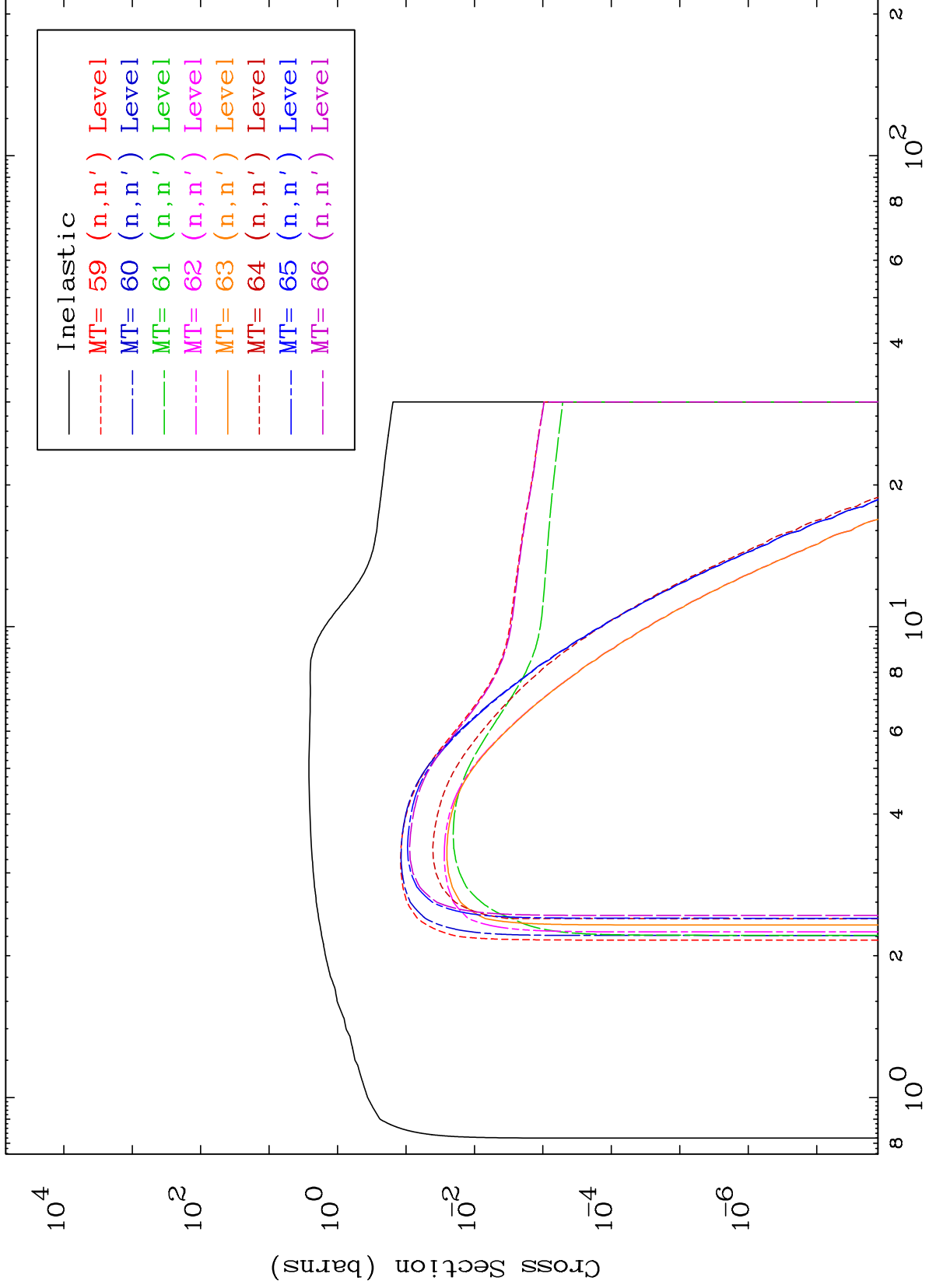
8

MAT 8231

(n,n') Levels

82-Pb-206

293 Kelvin Cross Sections



9

Incident Energy (MeV)

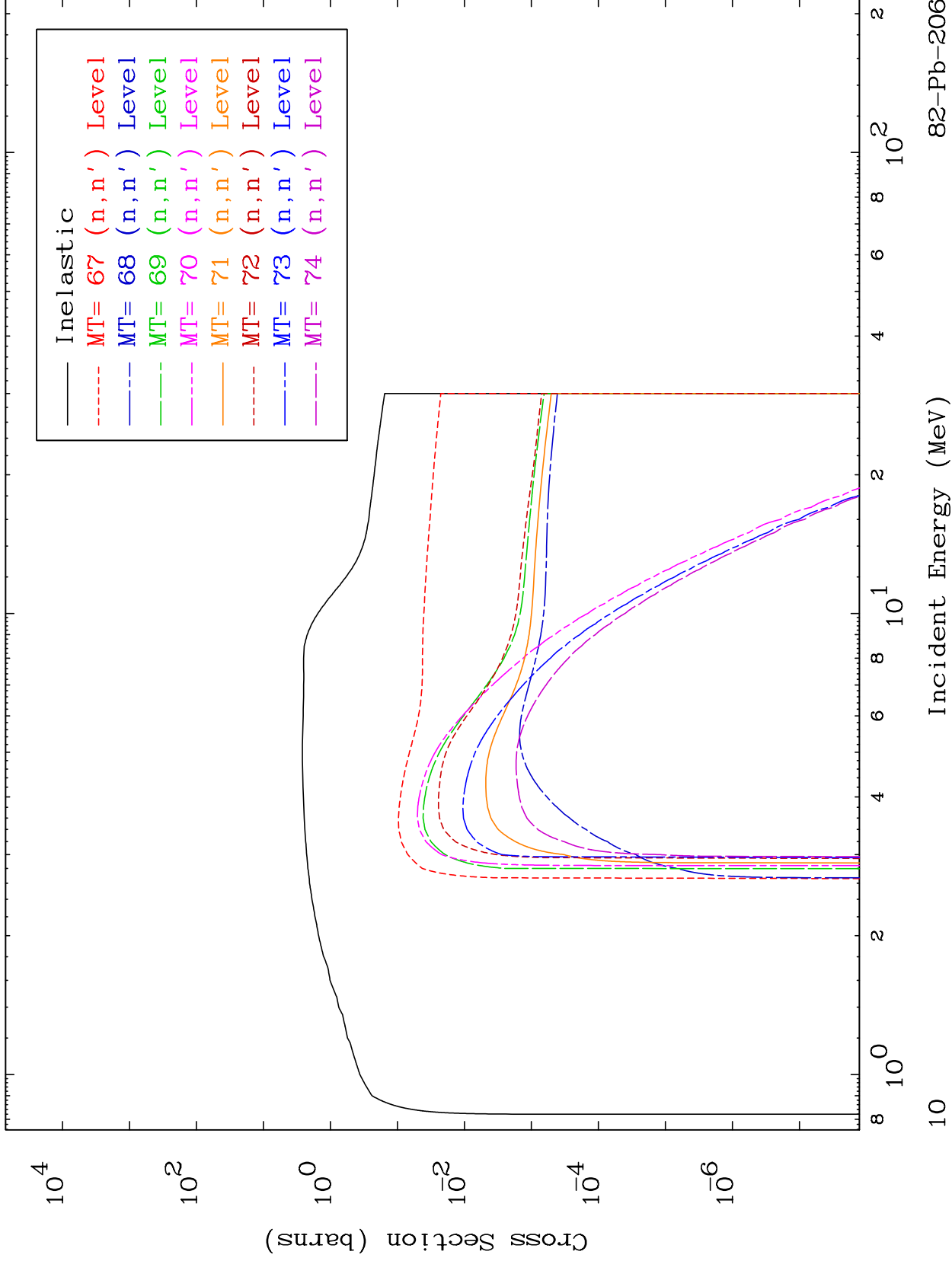
82-Pb-206

MAT 8231

(n,n') Levels

82-Pb-206

293 Kelvin Cross Sections



MAT 8231

(n,n') Levels

82-Pb-206

293 Kelvin Cross Sections

$10^4$

$10^2$

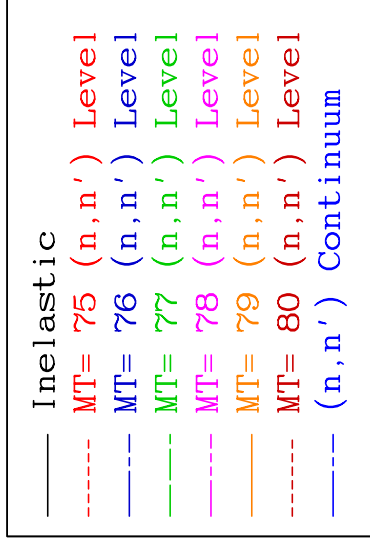
$10^0$

$10^{-2}$

$10^{-4}$

$10^{-6}$

Cross Section (barns)



8 10<sup>0</sup>

2

2

4

6

8

10<sup>1</sup>

2

4

6

8

10<sup>2</sup>

2

11

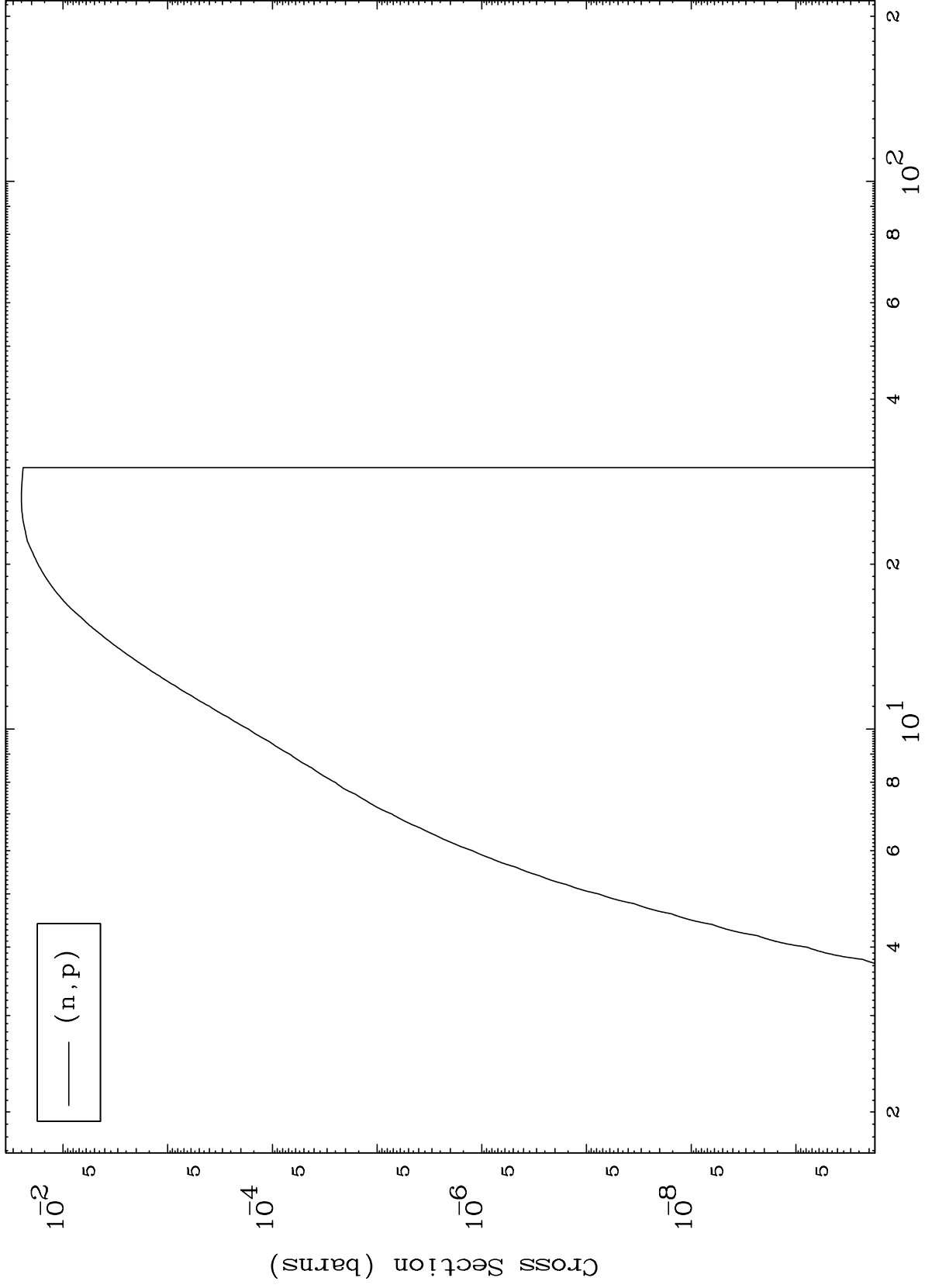
Incident Energy (MeV)

82-Pb-206

MAT 8231

(n,p) Levels  
293 Kelvin Cross Sections

82-Pb-206



12

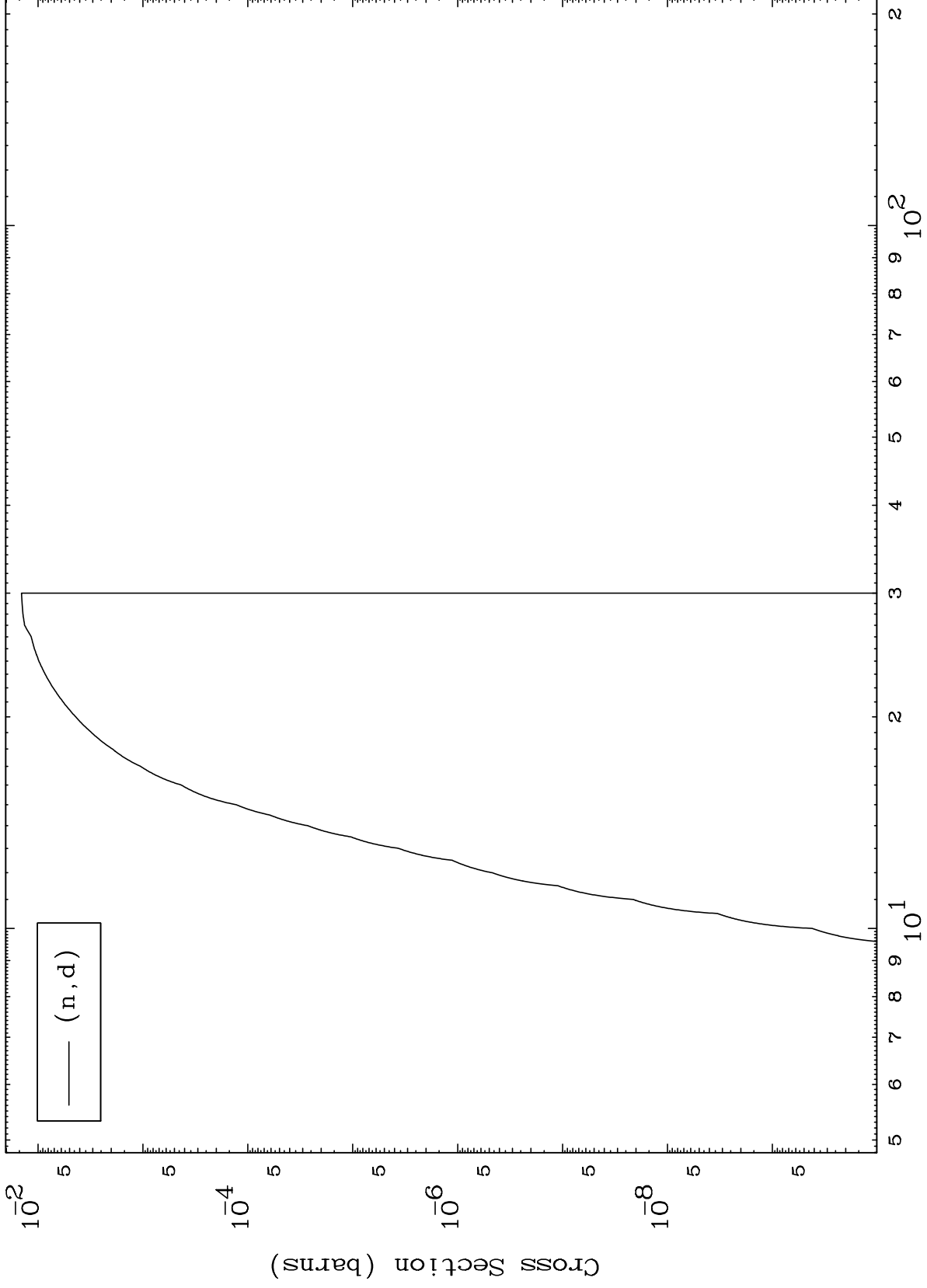
Incident Energy (MeV)

82-Pb-206

MAT 8231

(n,d) Levels  
293 Kelvin Cross Sections

82-Pb-206



13

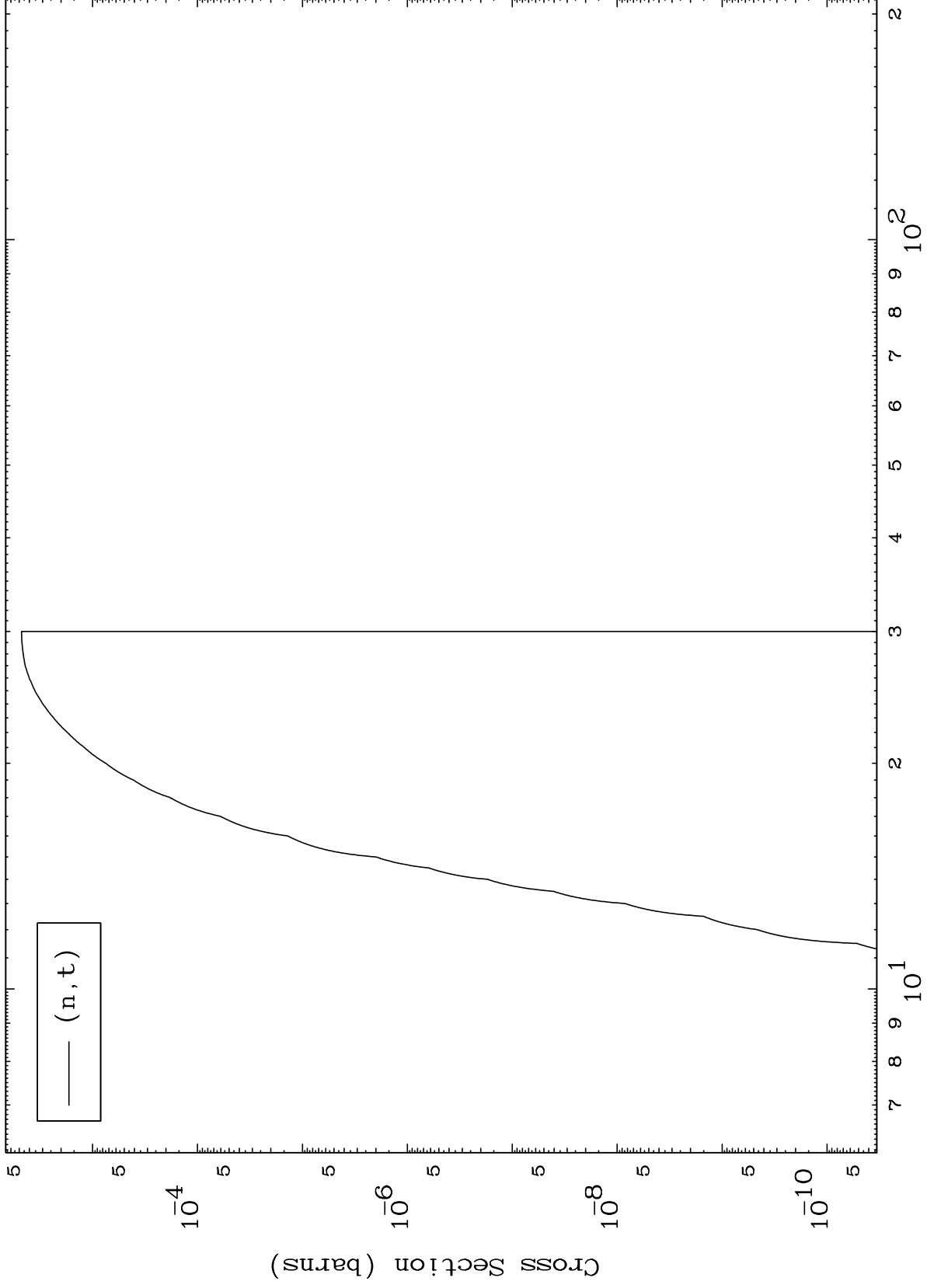
Incident Energy (MeV)

82-Pb-206

MAT 8231

(n,t) Levels  
293 Kelvin Cross Sections

82-Pb-206



14

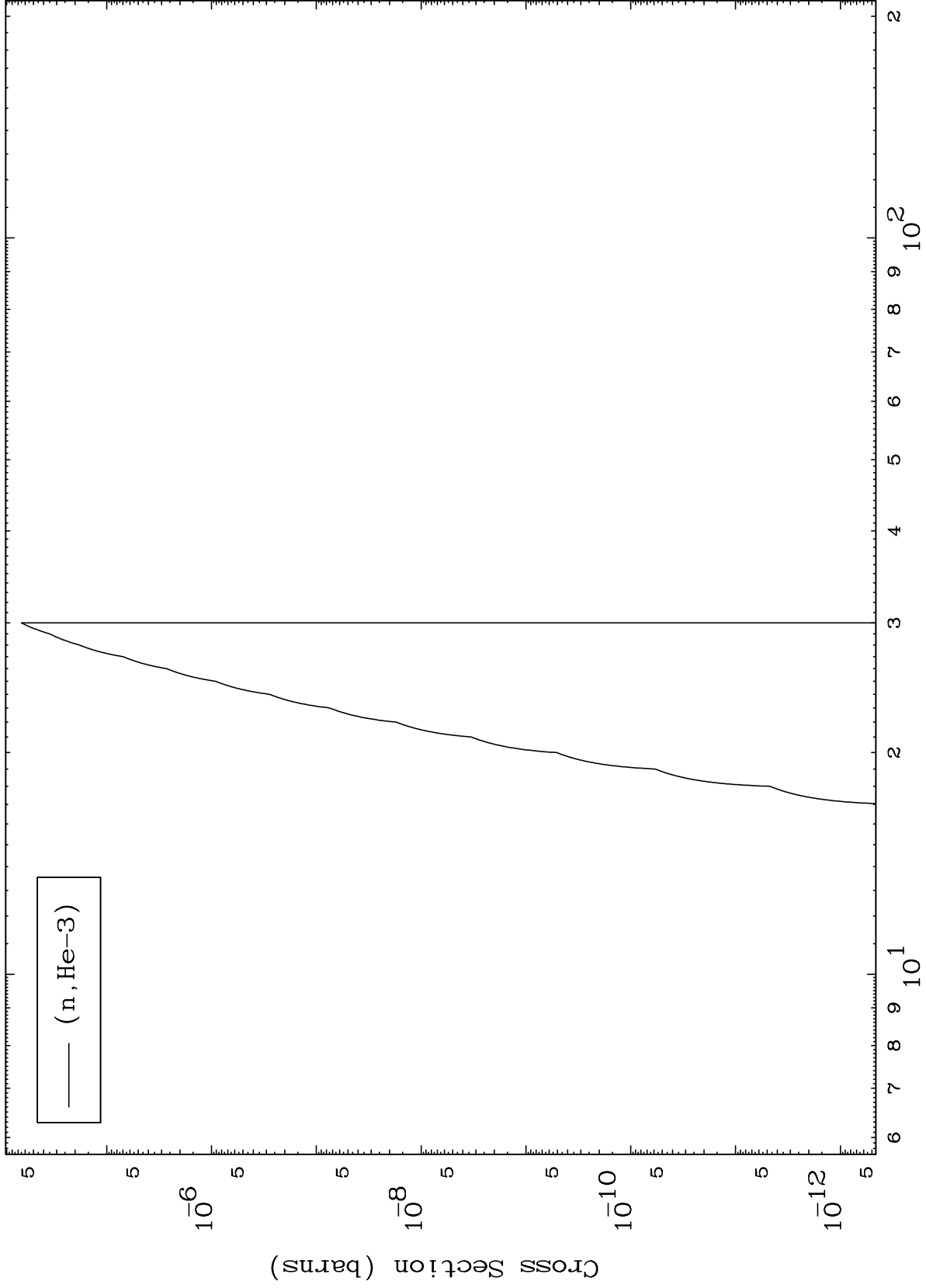
Incident Energy (MeV)

82-Pb-206

MAT 8231

(n,He3) Levels  
293 Kelvin Cross Sections

82-Pb-206



15

Incident Energy (MeV)

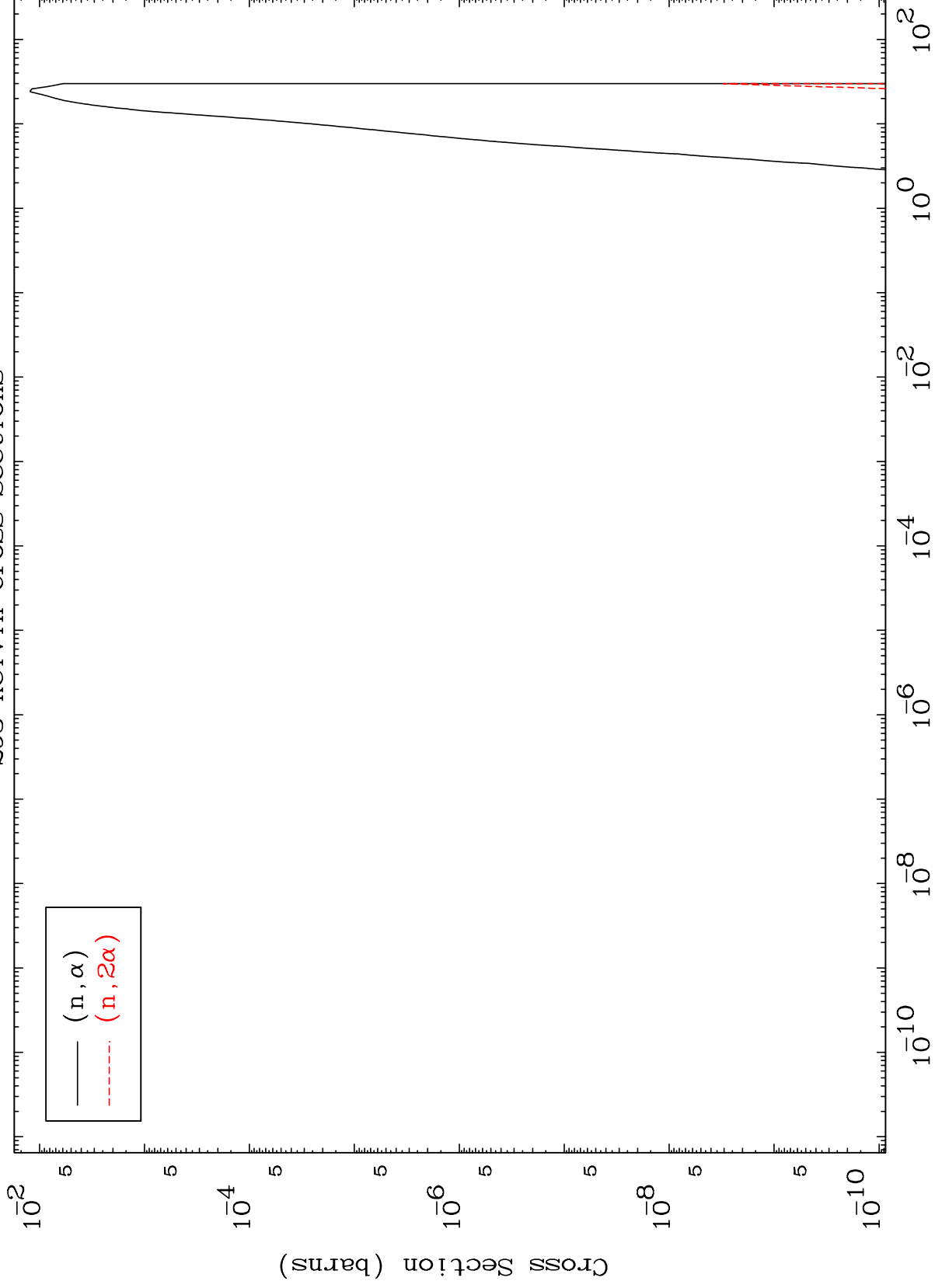
82-Pb-206



MAT 8231

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

82-Pb-206

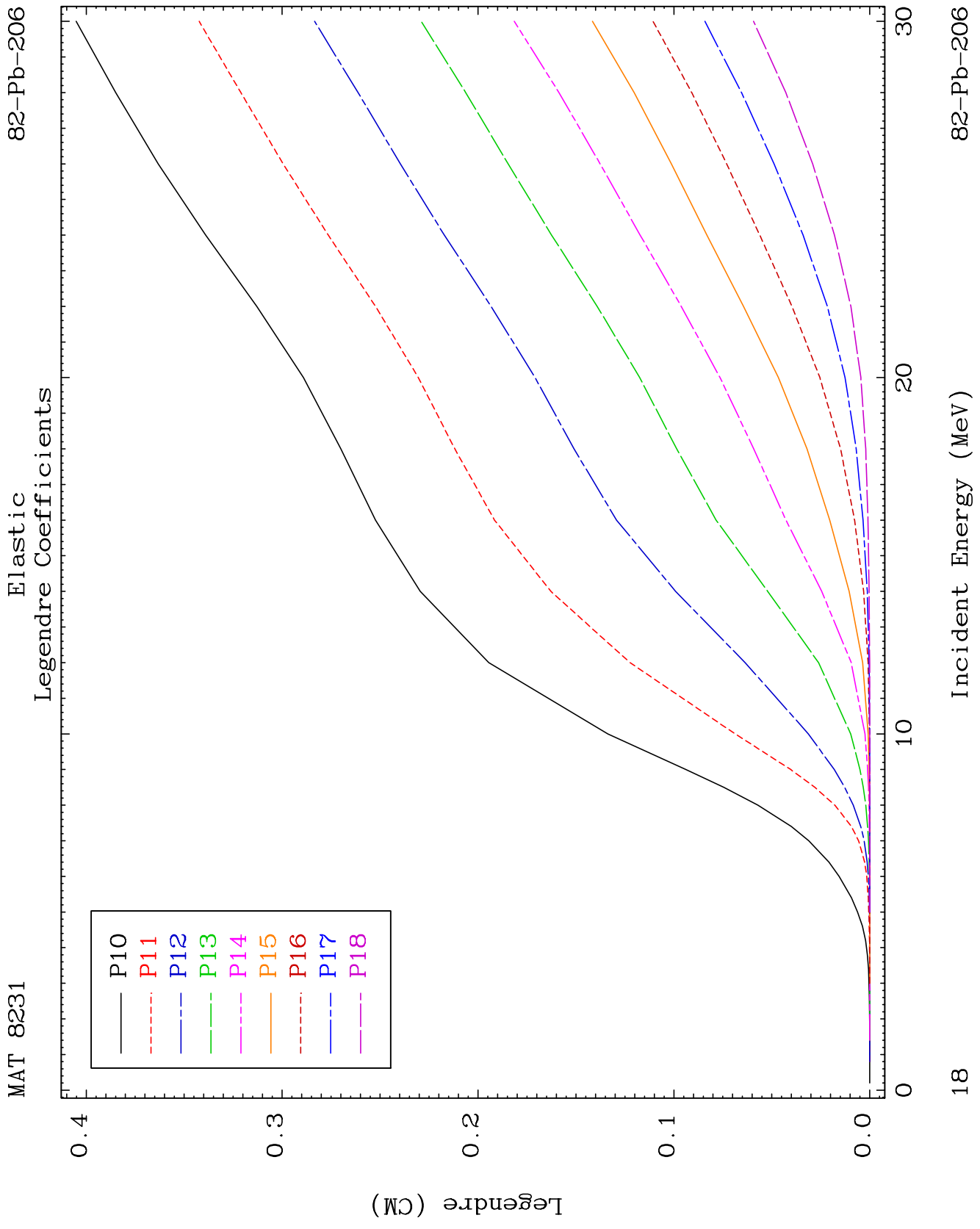


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Incident Energy (MeV)

82-Pb-206

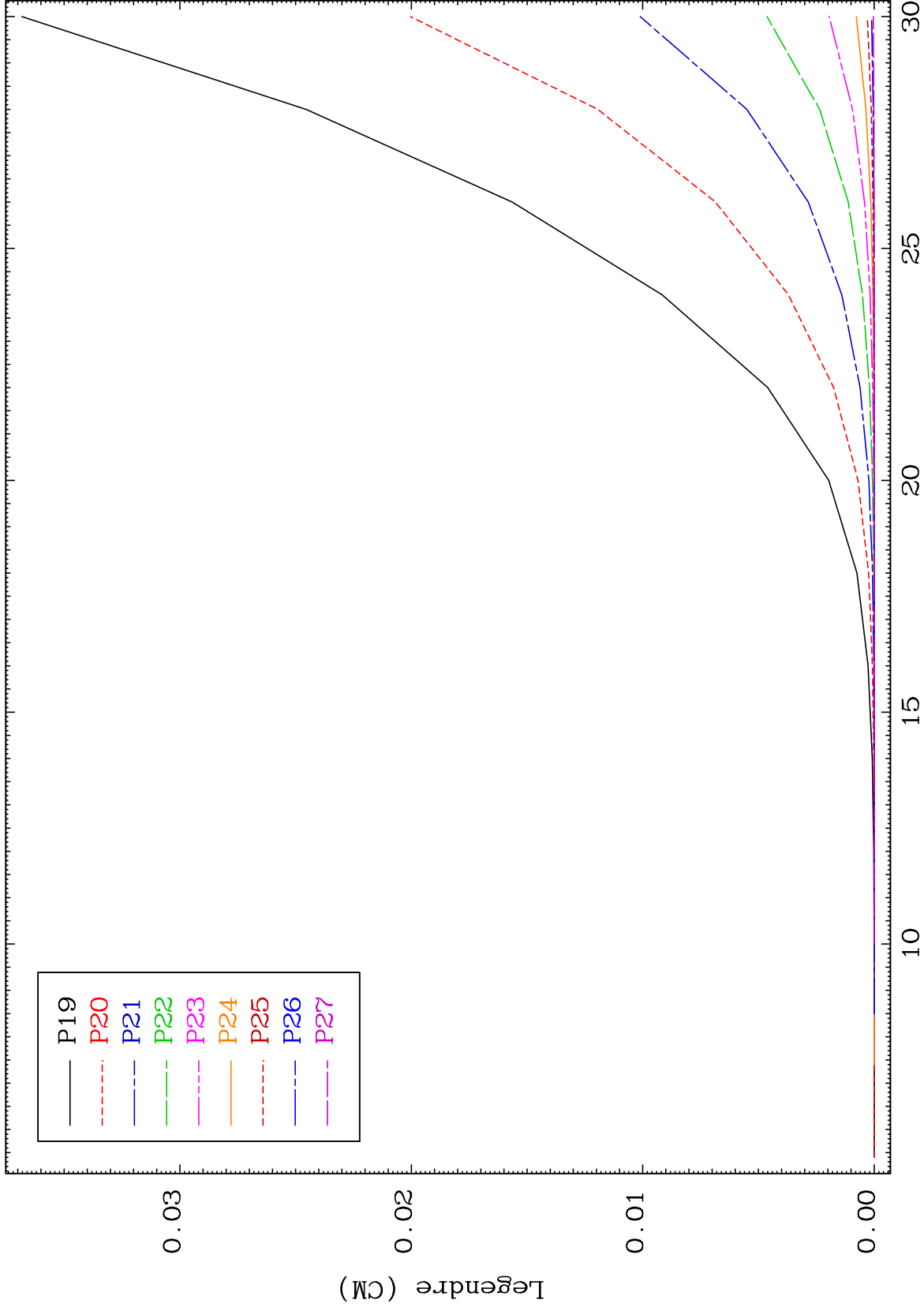




MAT 8231

Elastic  
Legendre Coefficients

82-Pb-206



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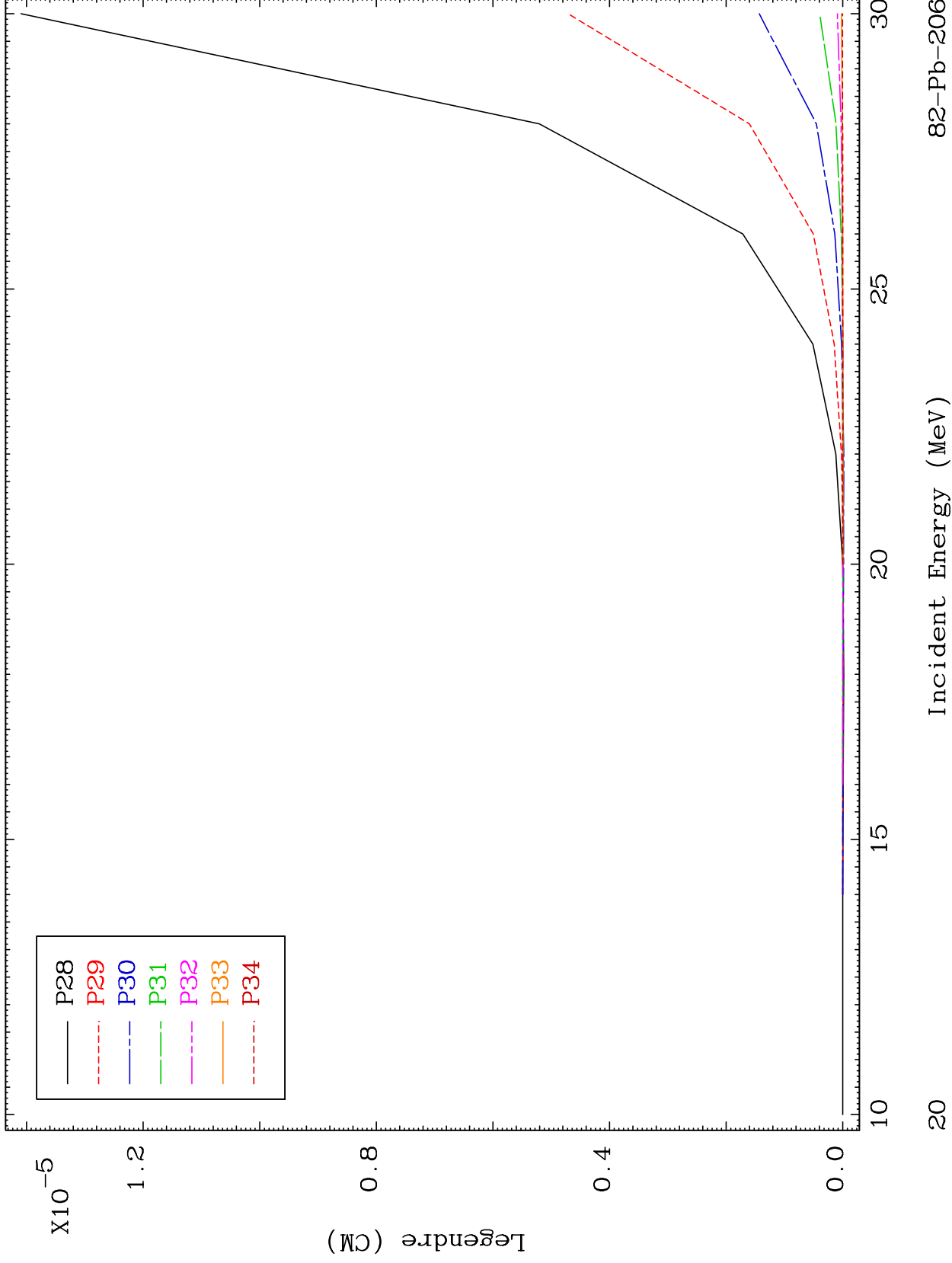
Incident Energy (MeV)

82-Pb-206

MAT 8231

Elastic  
Legendre Coefficients

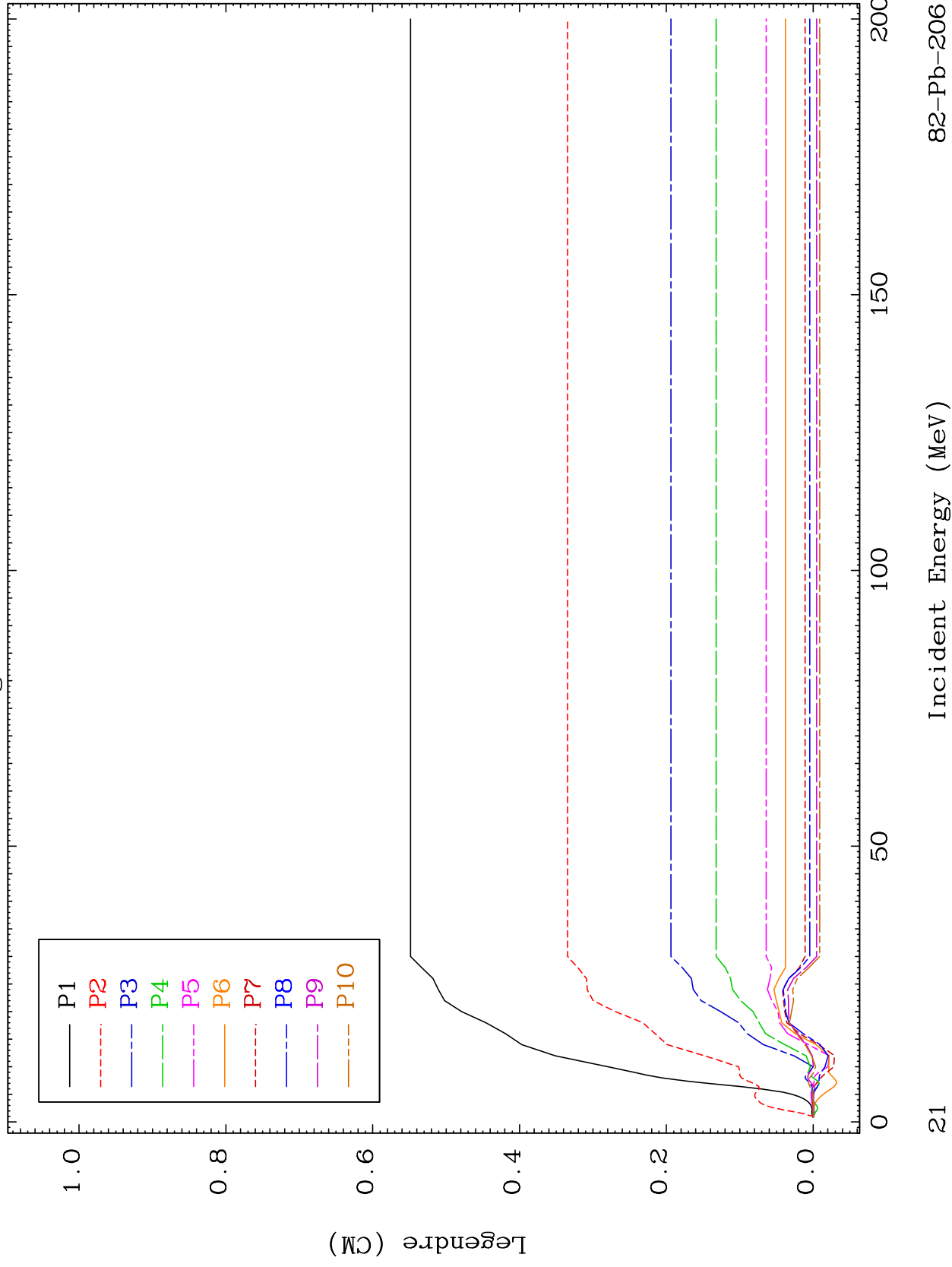
82-Pb-206



MAT 8231

MT= 51 (n,n') Level  
Legendre Coefficients

82-Pb-206



21

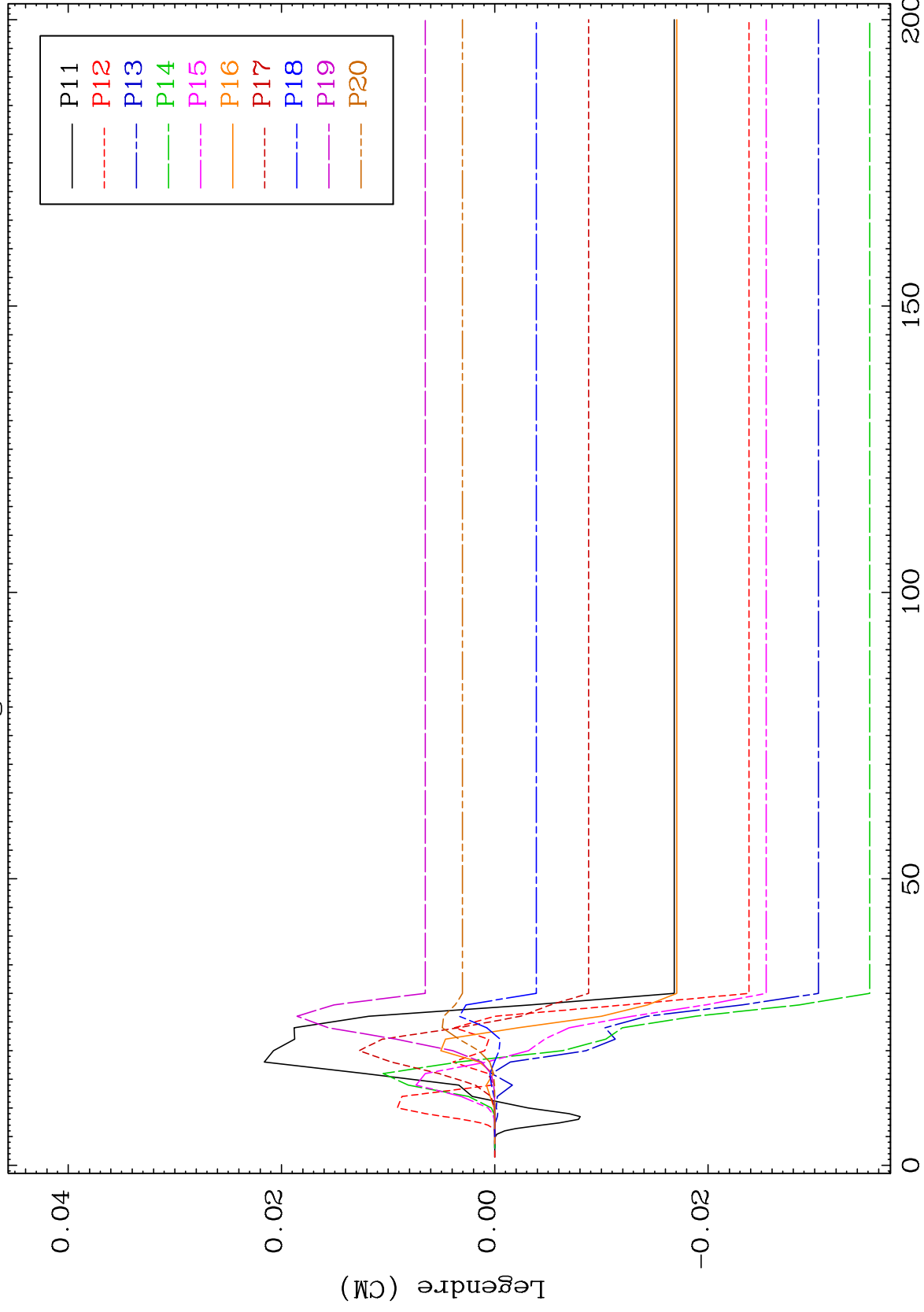
Incident Energy (MeV)

82-Pb-206

MAT 8231

MT= 51 (n,n') Level  
Legendre Coefficients

82-Pb-206



22

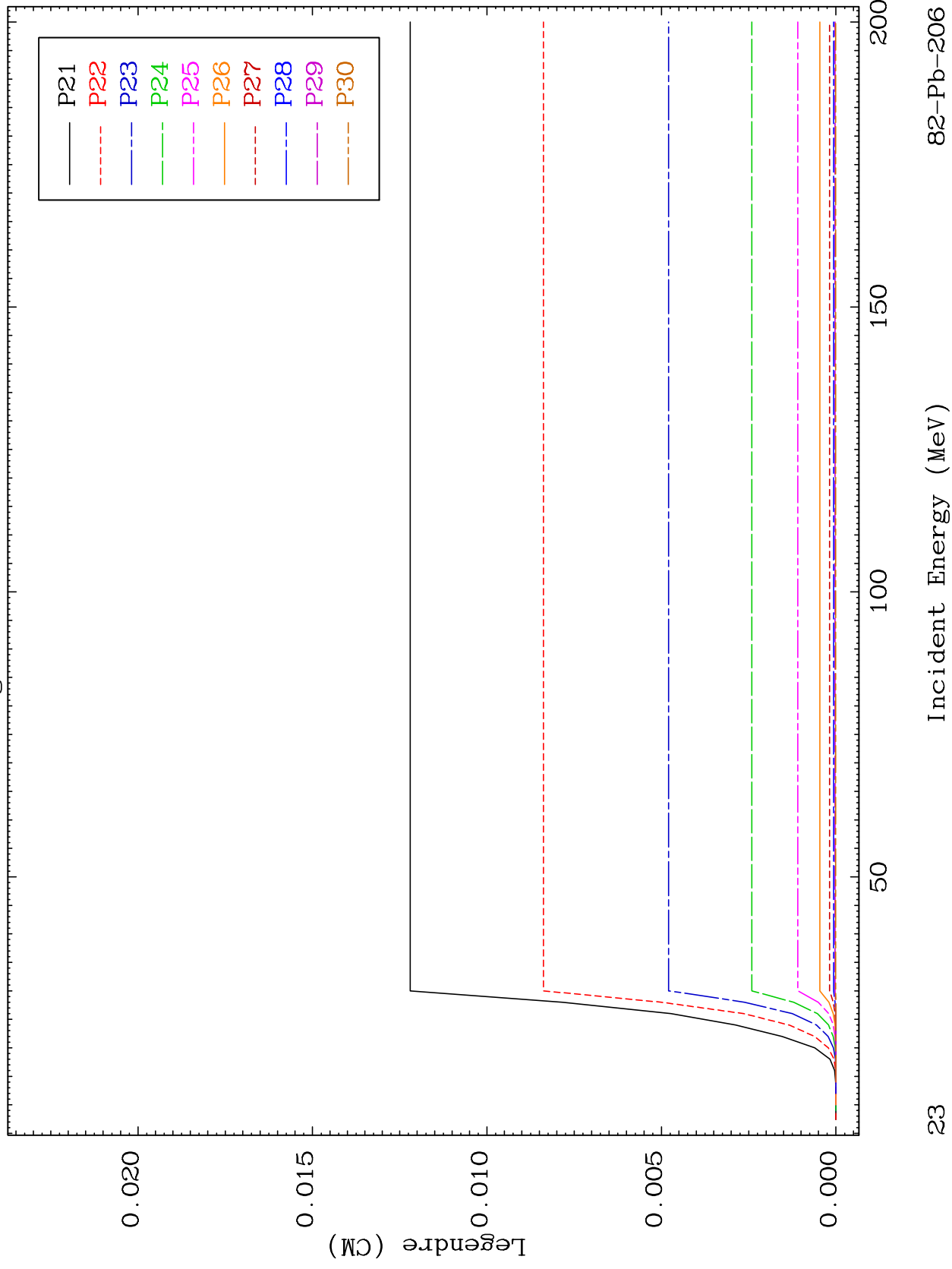
Incident Energy (MeV)

82-Pb-206

MAT 8231

MT= 51 (n,n') Level  
Legendre Coefficients

82-Pb-206



23

Incident Energy (MeV)

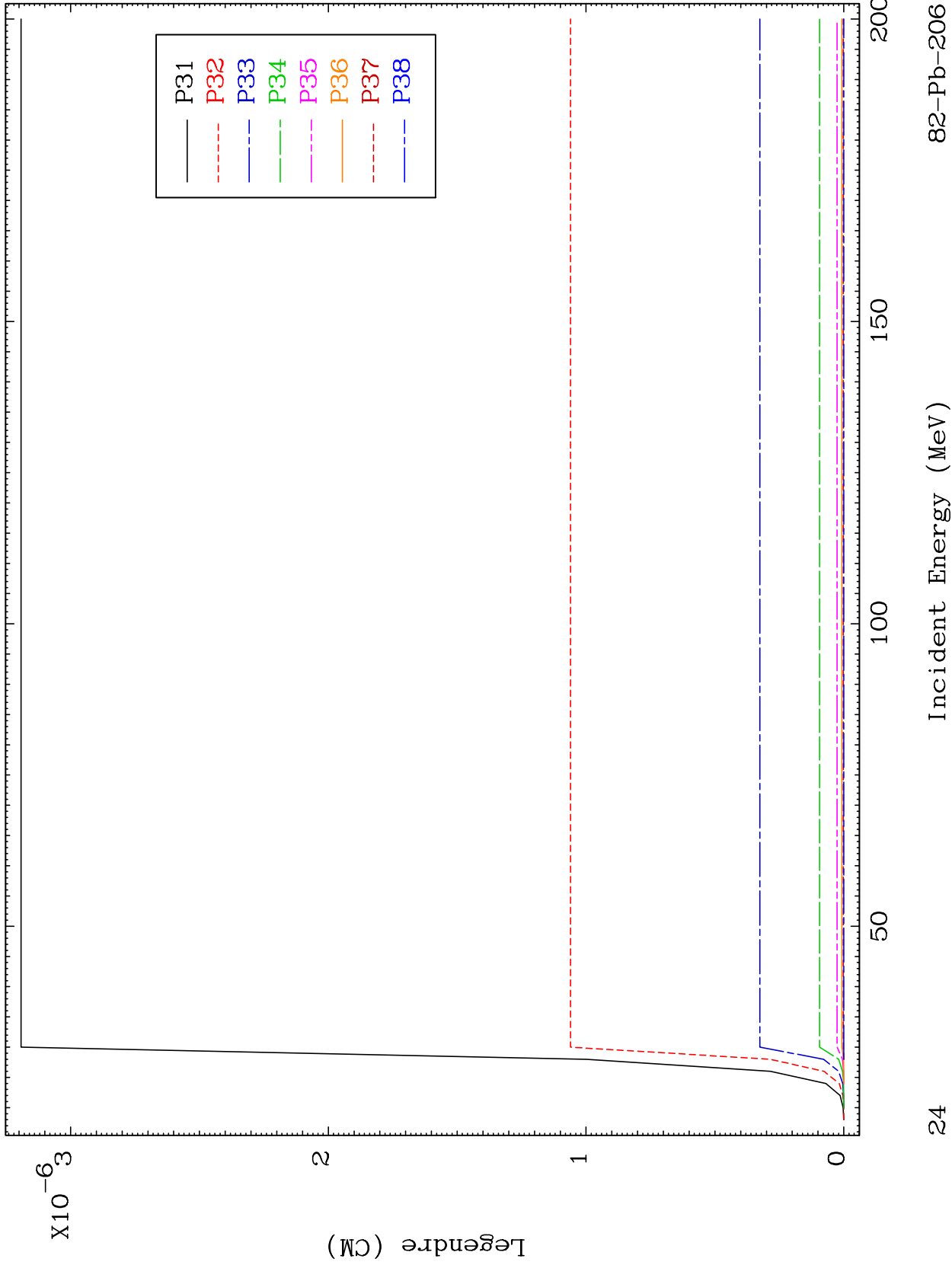
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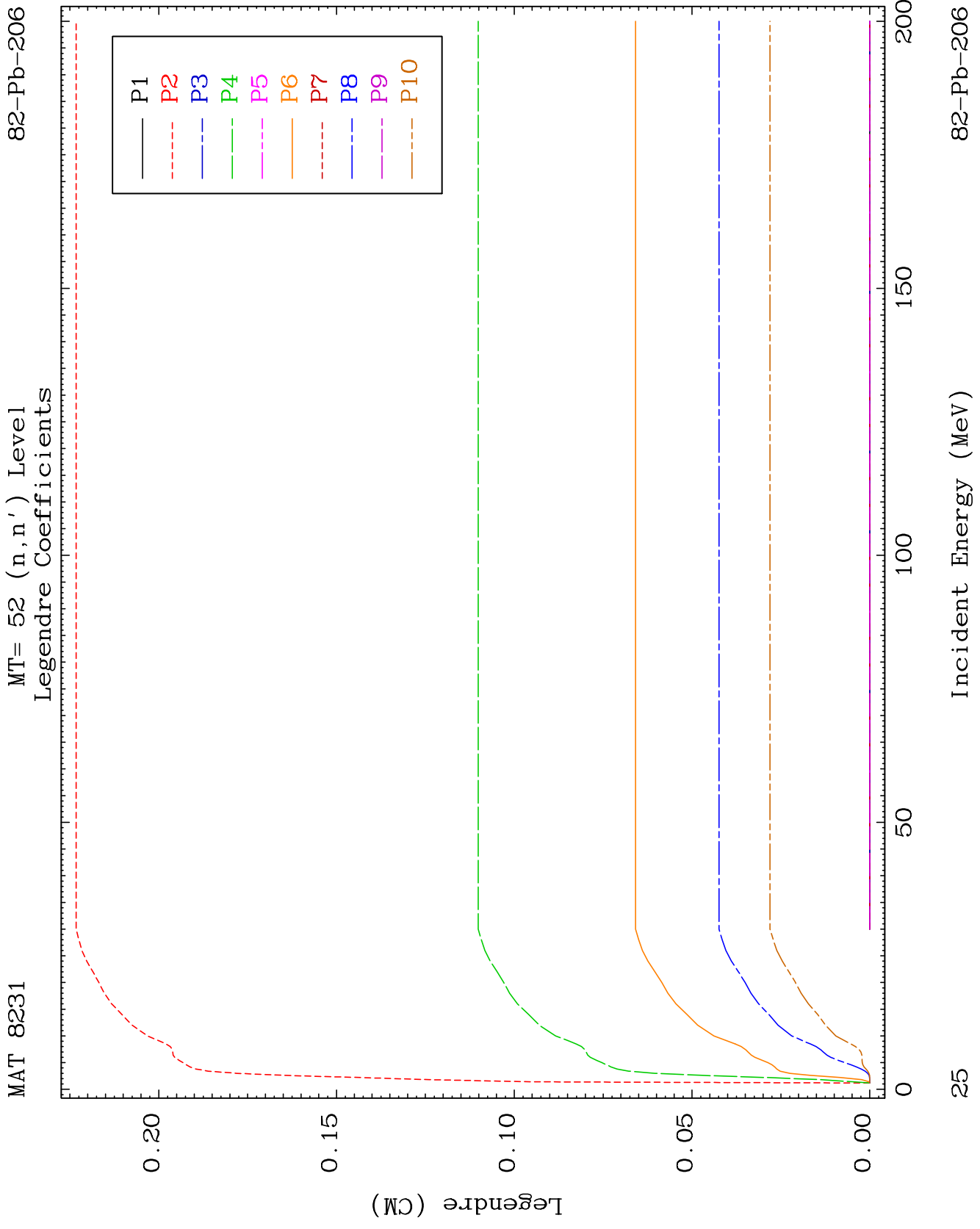
MAT 8231

MT= 51 (n,n') Level  
Legendre Coefficients

82-Pb-206



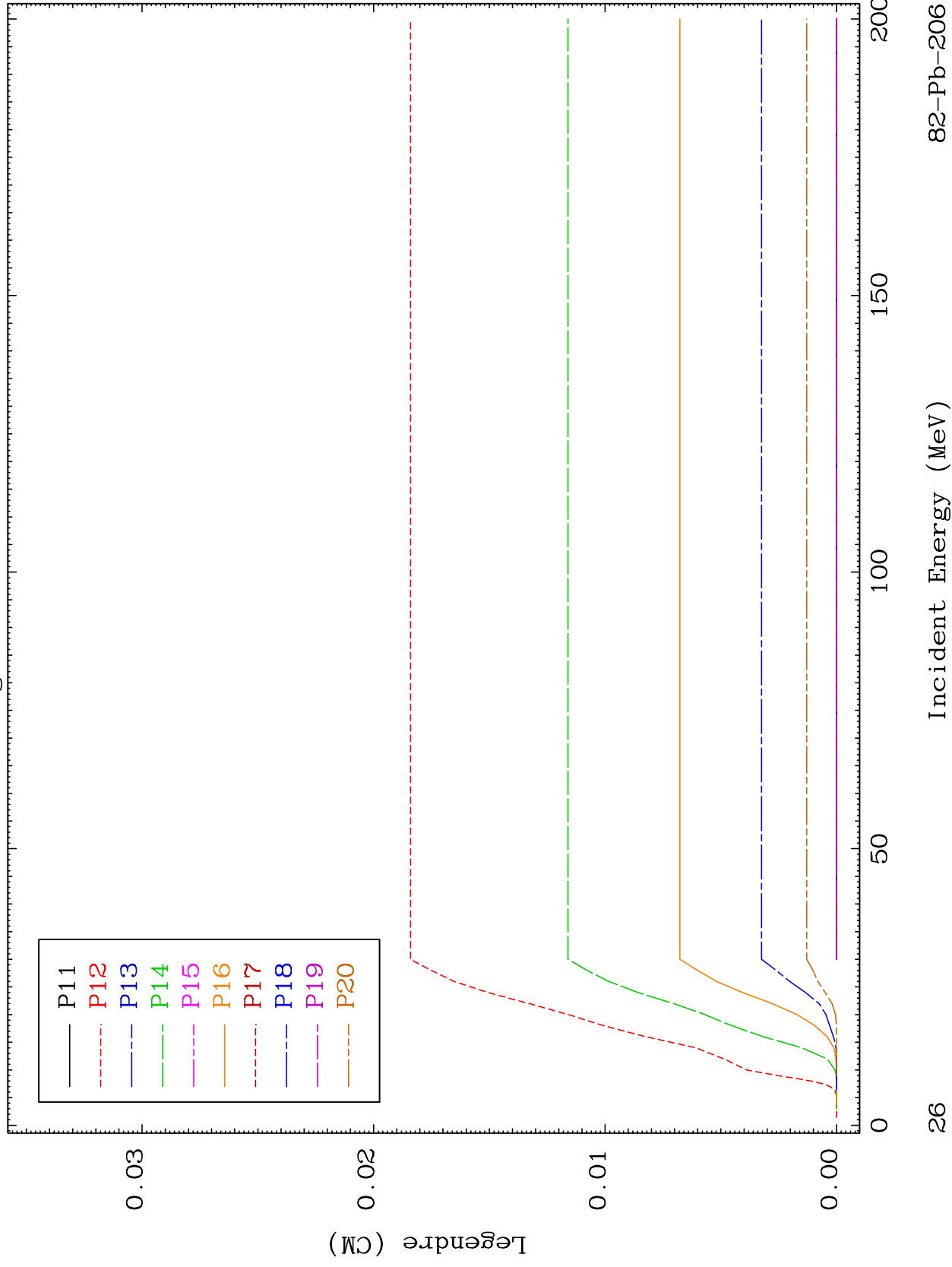
24



MAT 8231

MT= 52 (n,n') Level  
Legendre Coefficients

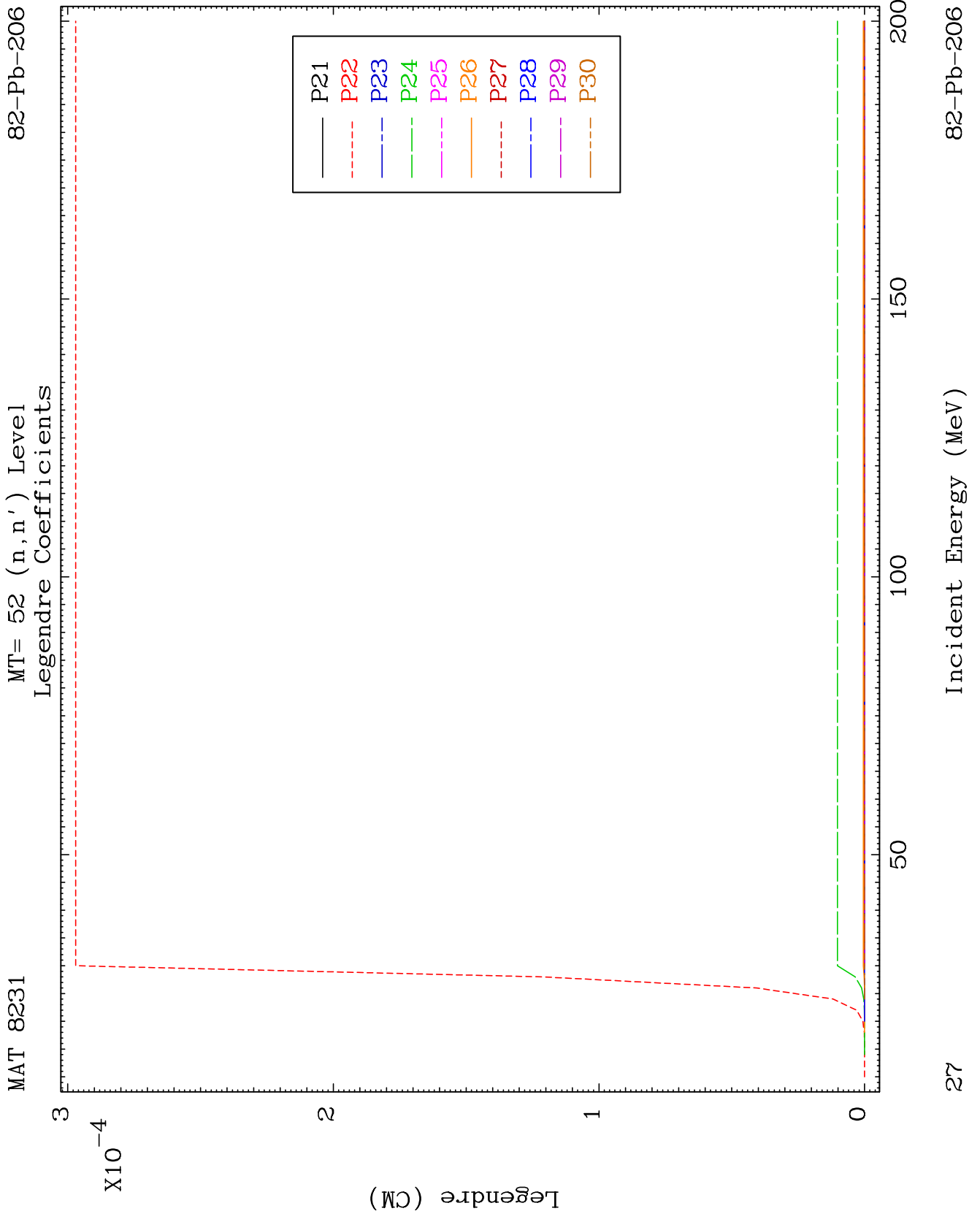
82-Pb-206



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Incident Energy (MeV)

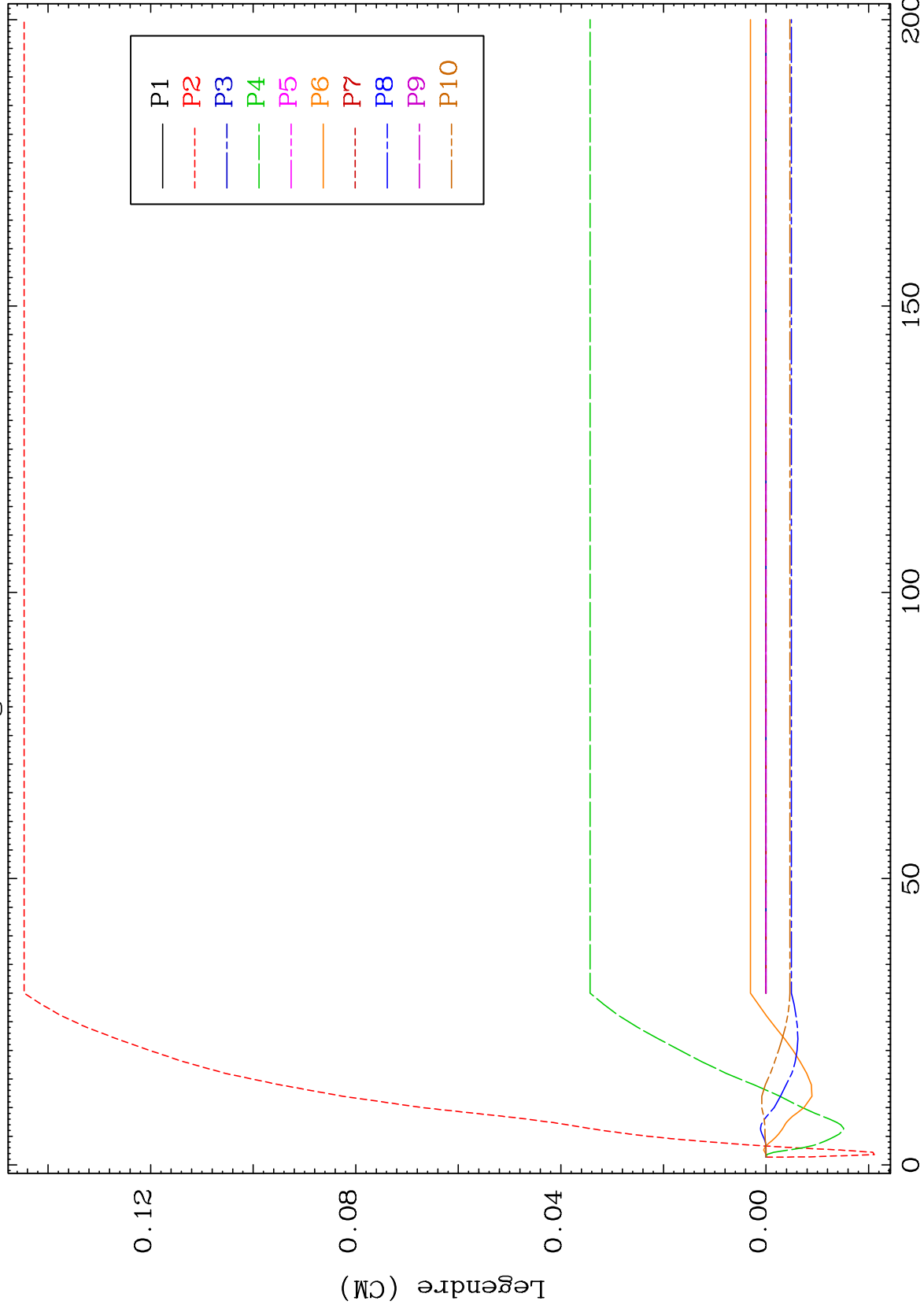
82-Pb-206



MAT 8231

MT= 53 (n,n') Level  
Legendre Coefficients

82-Pb-206



28

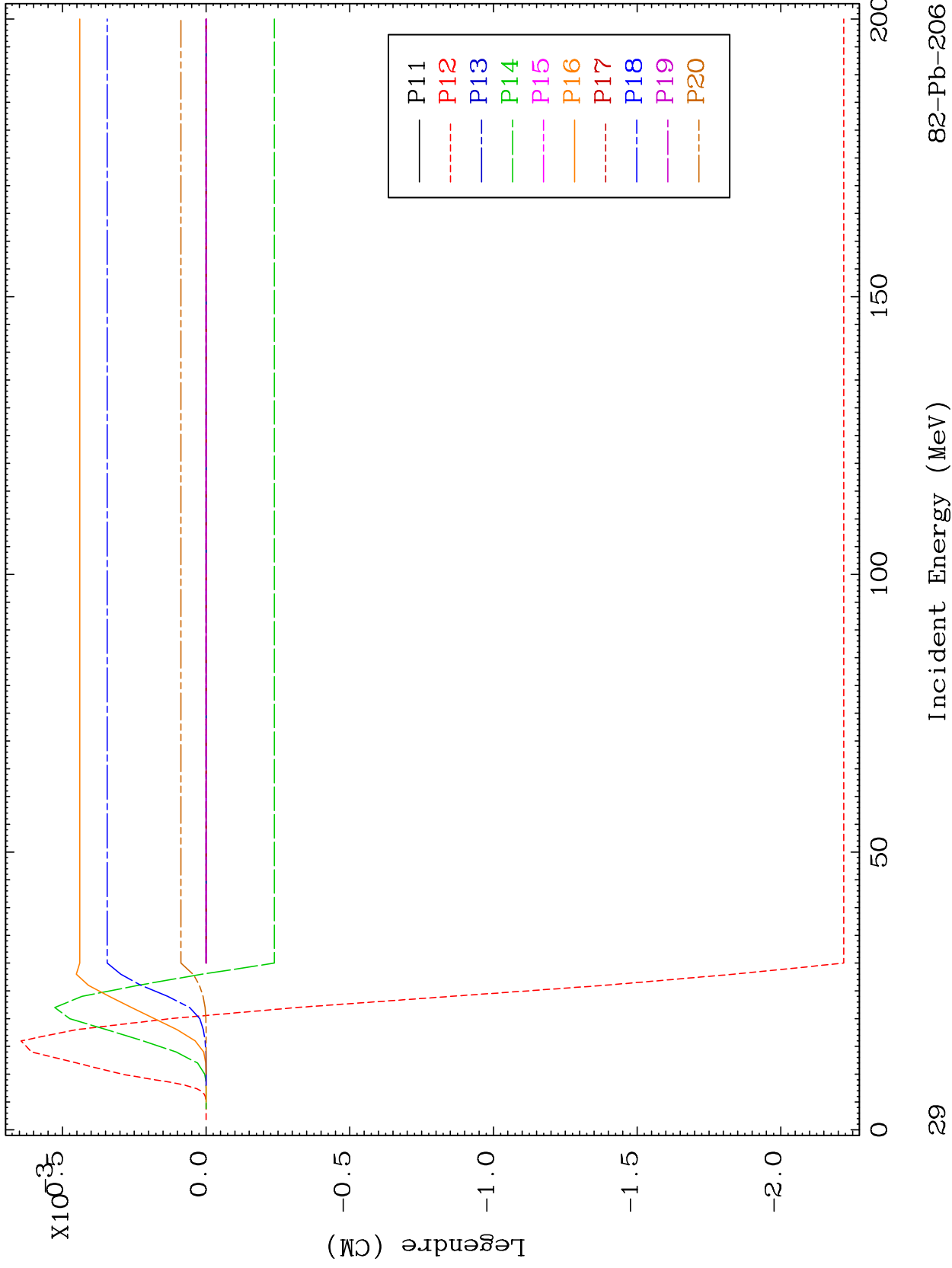
Incident Energy (MeV)

82-Pb-206

MAT 8231

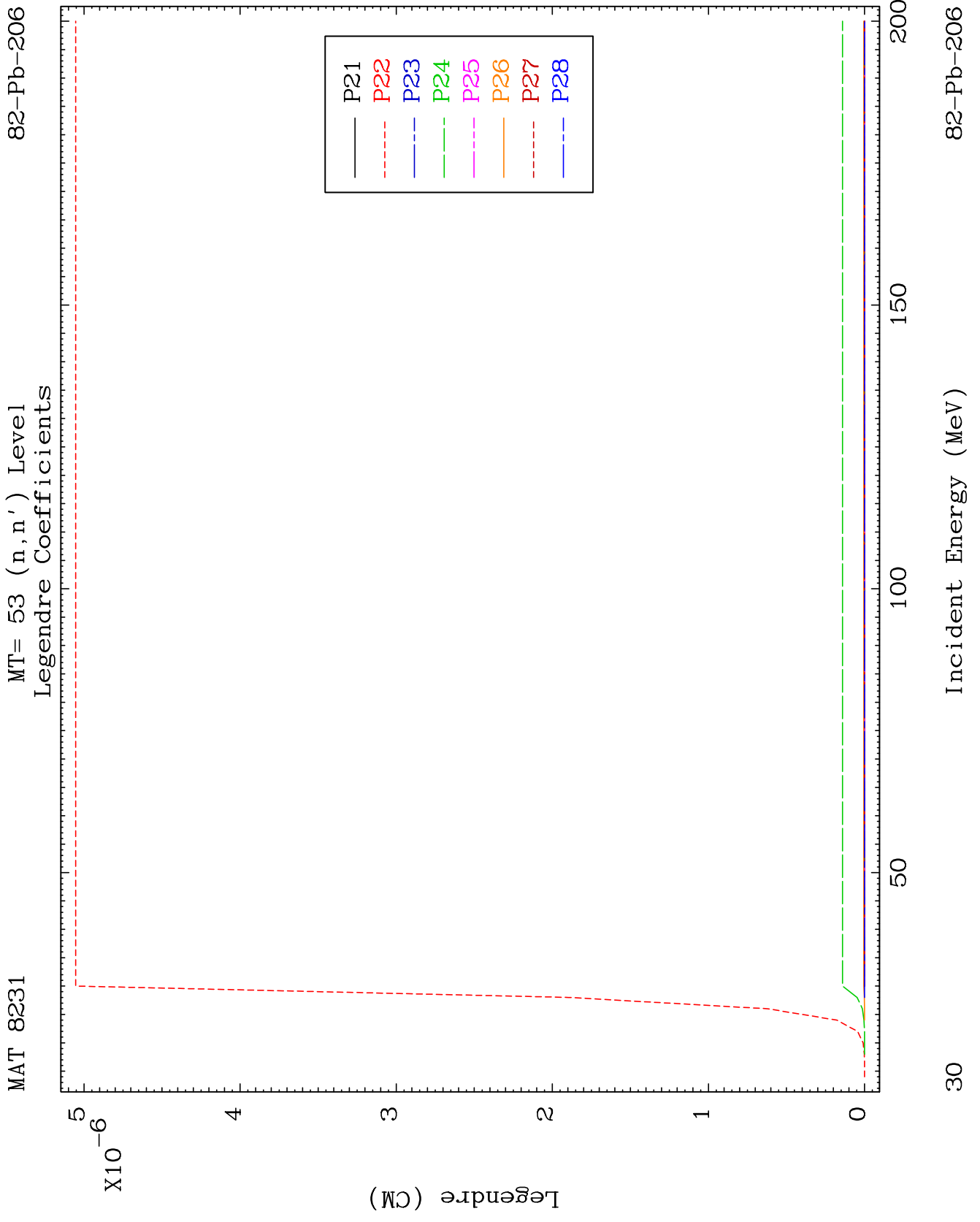
MT= 53 (n,n') Level  
Legendre Coefficients

82-Pb-206



29

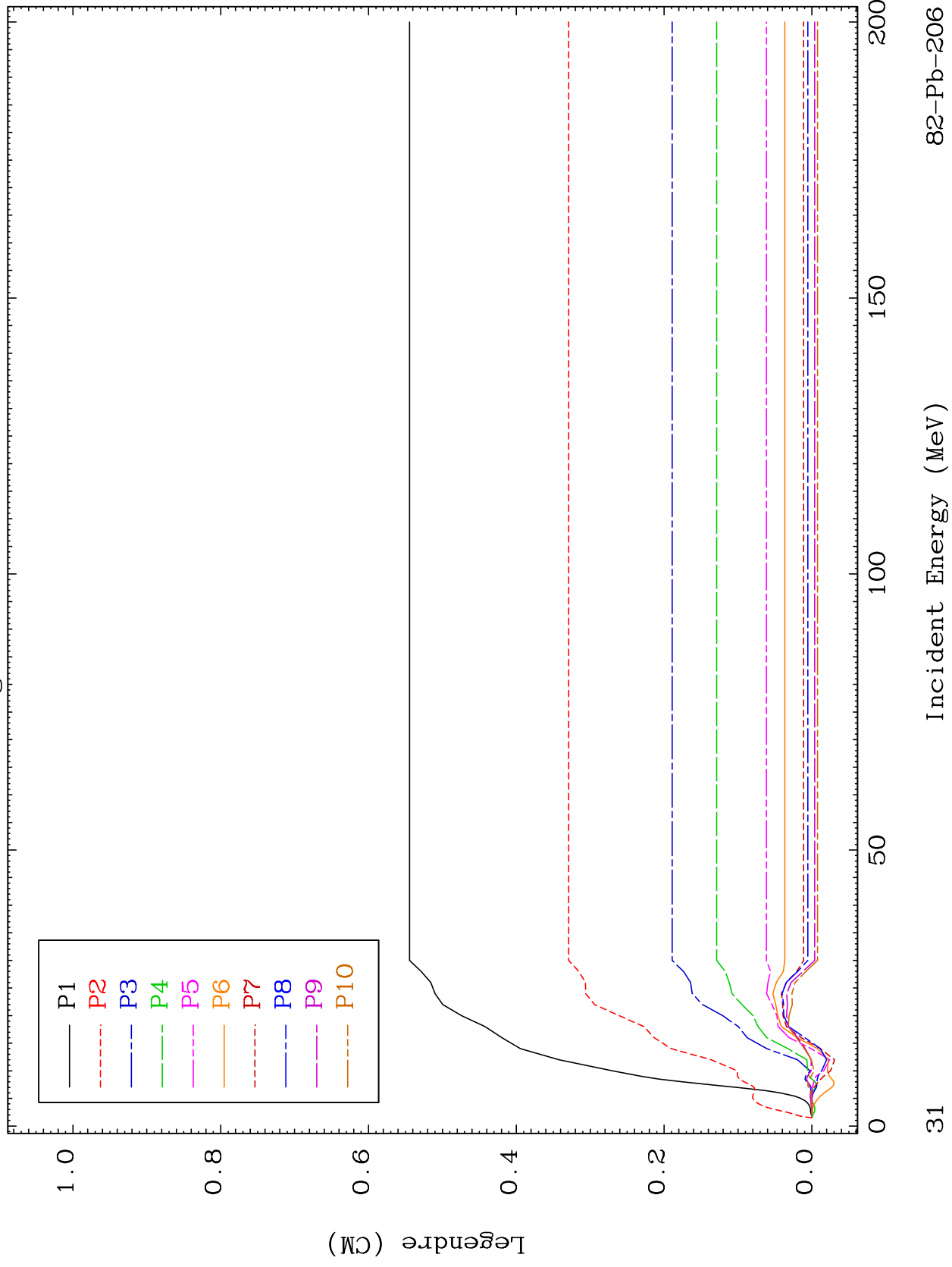
82-Pb-206



MAT 8231

MT= 54 (n,n') Level  
Legendre Coefficients

82-Pb-206



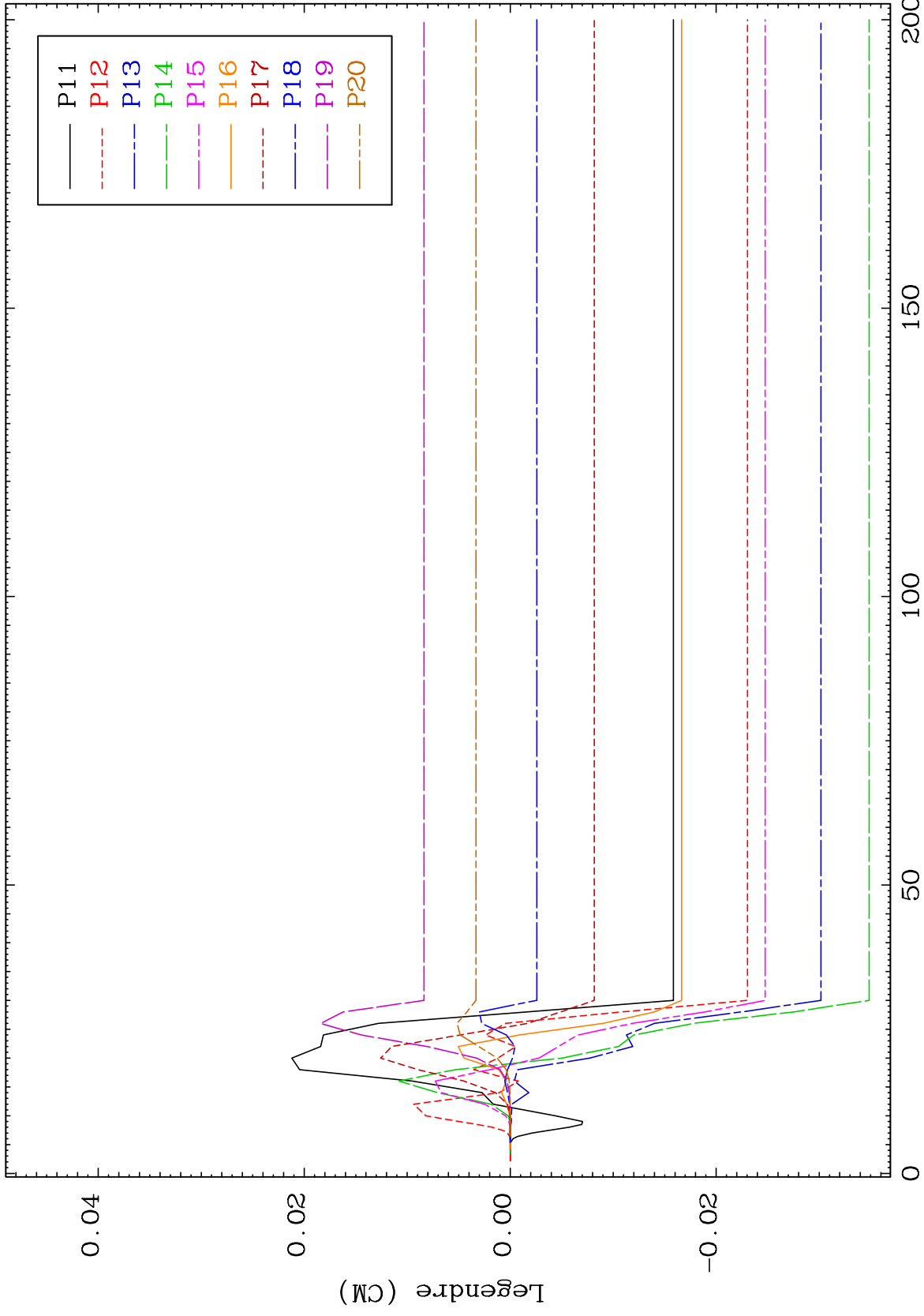
31



MAT 8231

MT= 54 (n,n') Level  
Legendre Coefficients

82-Pb-206



32

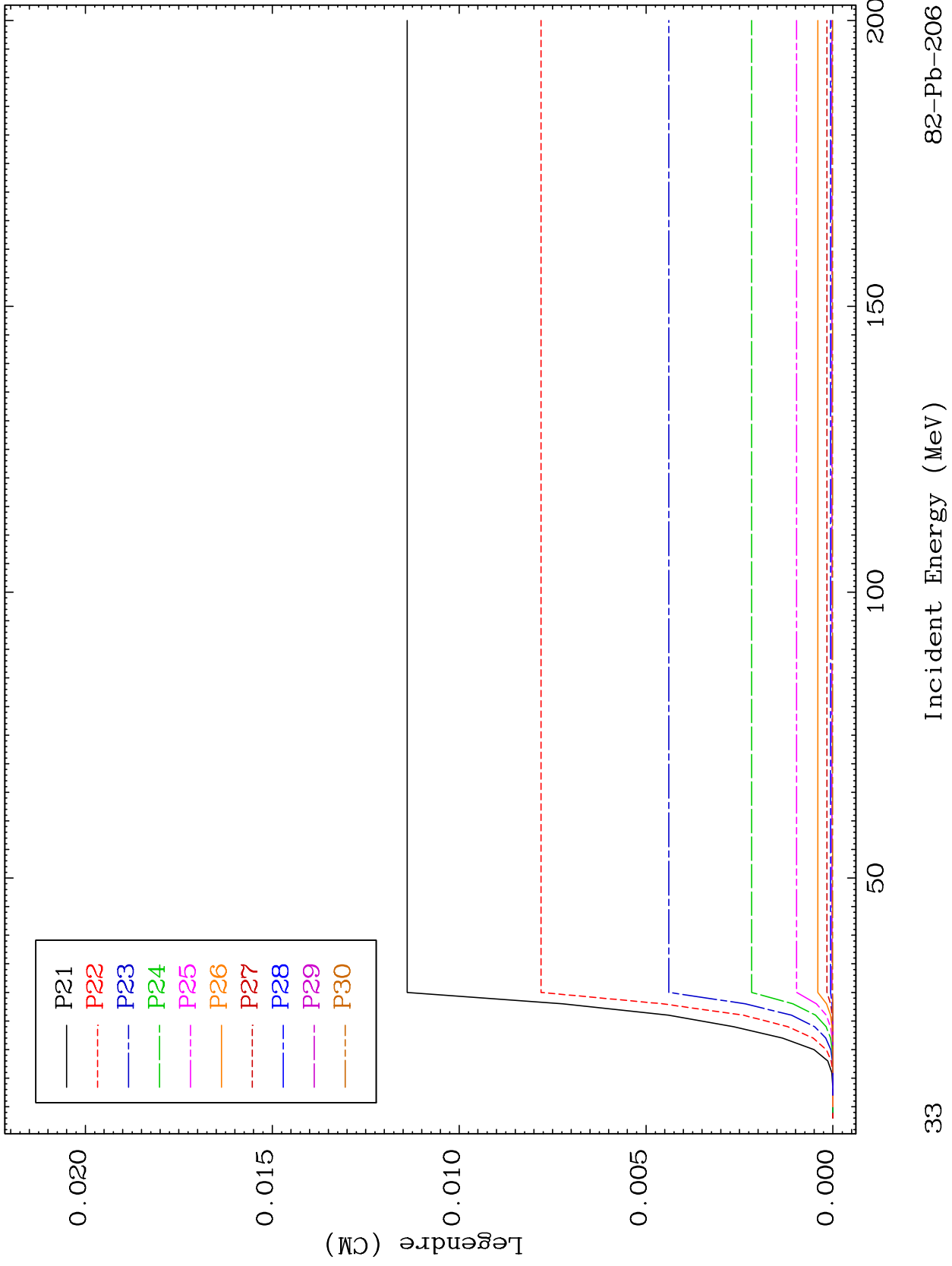
Incident Energy (MeV)

82-Pb-206

MAT 8231

MT= 54 (n,n') Level  
Legendre Coefficients

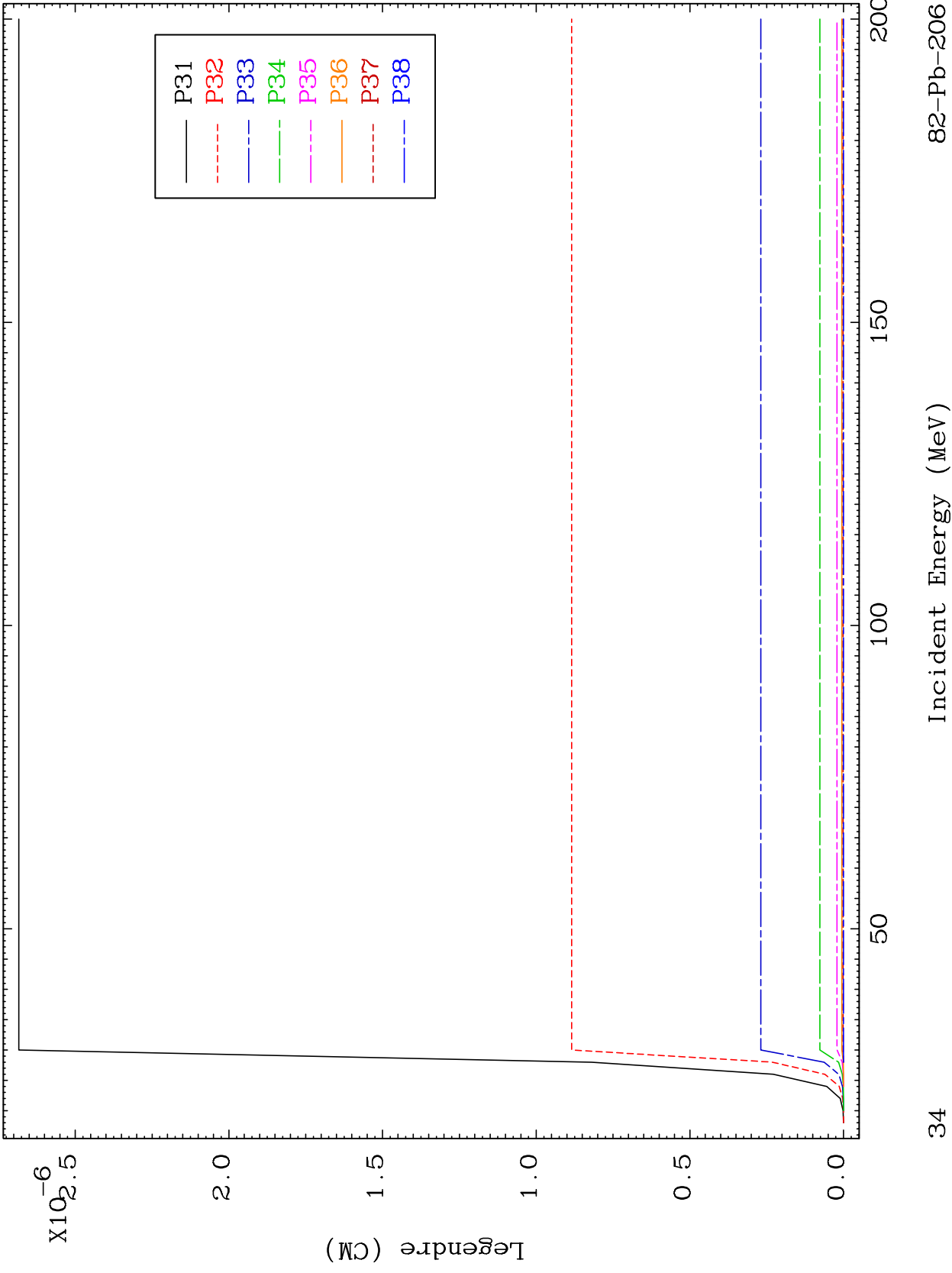
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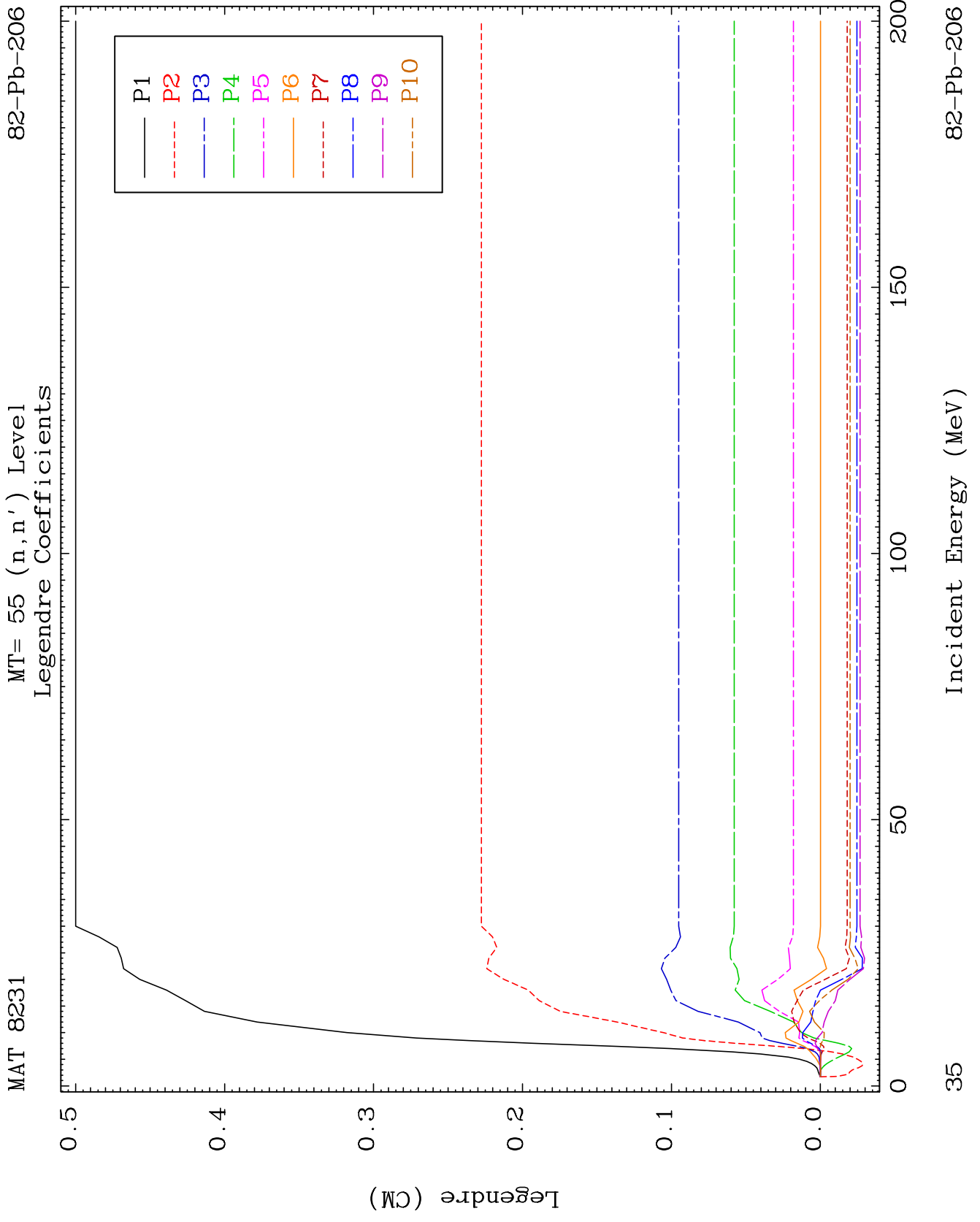


MAT 8231

MT= 54 (n,n') Level  
Legendre Coefficients

82-Pb-206

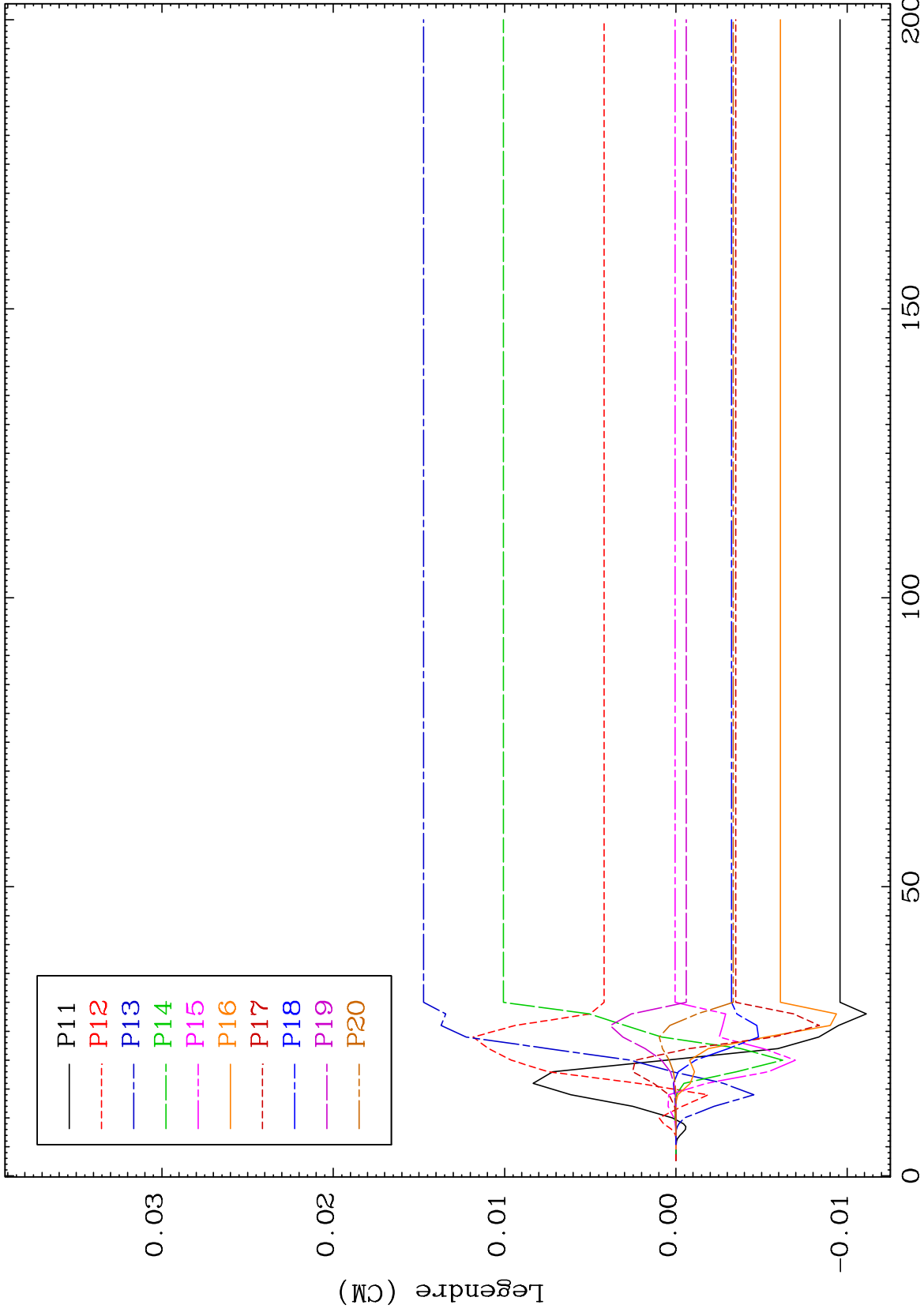




MAT 8231

MT= 55 (n,n') Level  
Legendre Coefficients

82-Pb-206



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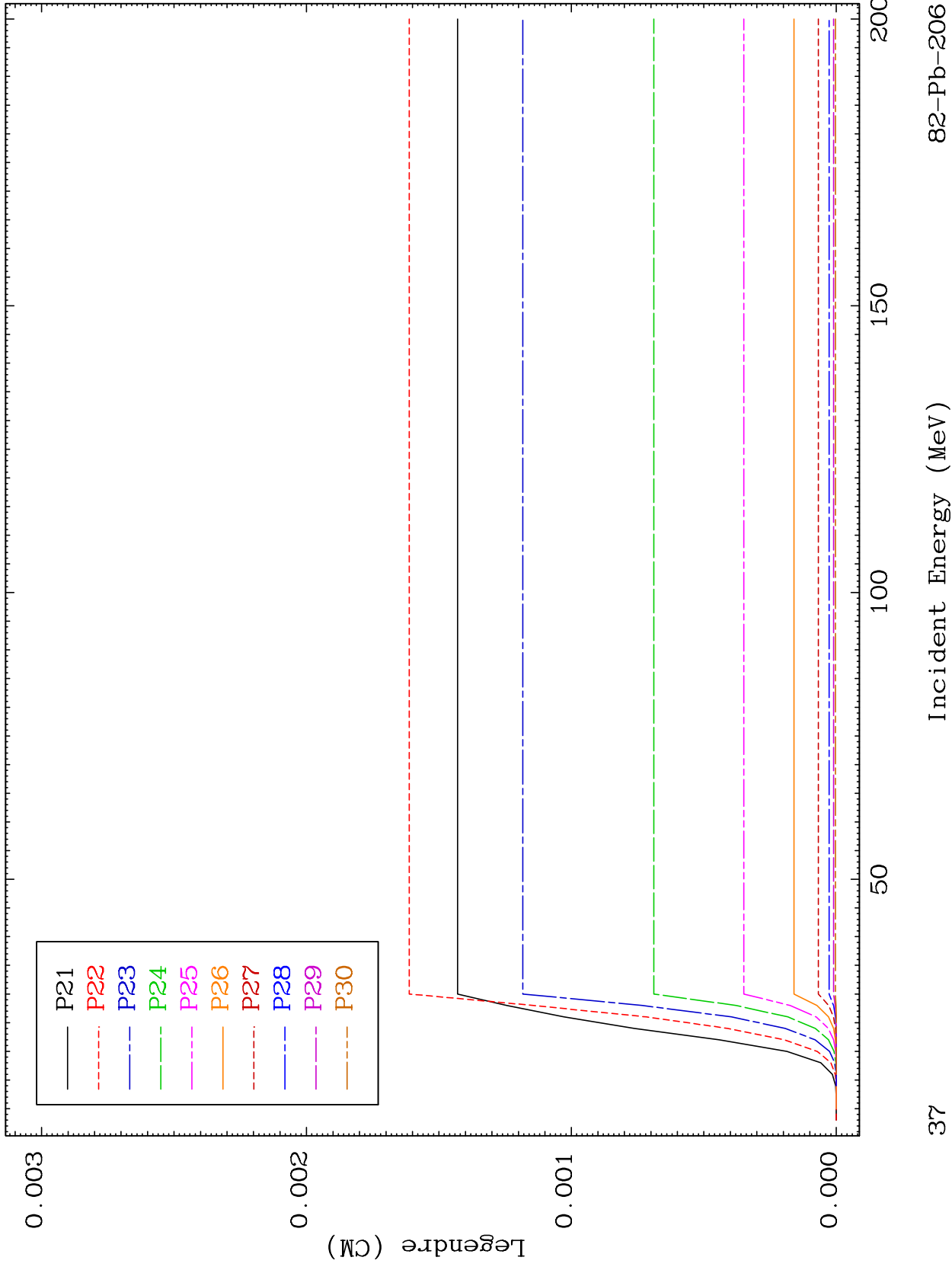
Incident Energy (MeV)

82-Pb-206

MAT 8231

MT= 55 (n,n') Level  
Legendre Coefficients

82-Pb-206

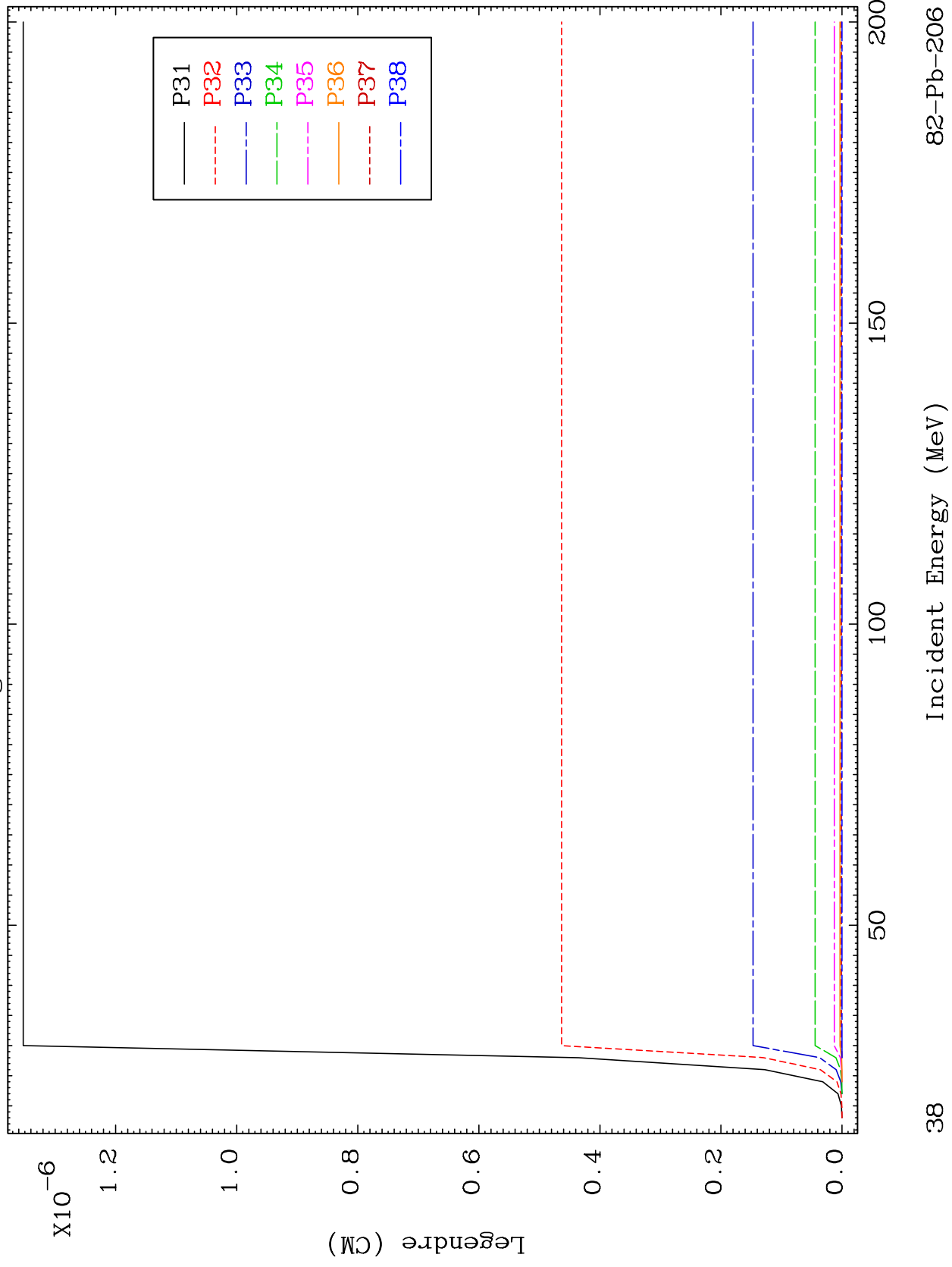


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MAT 8231

MT= 55 (n,n') Level  
Legendre Coefficients

82-Pb-206



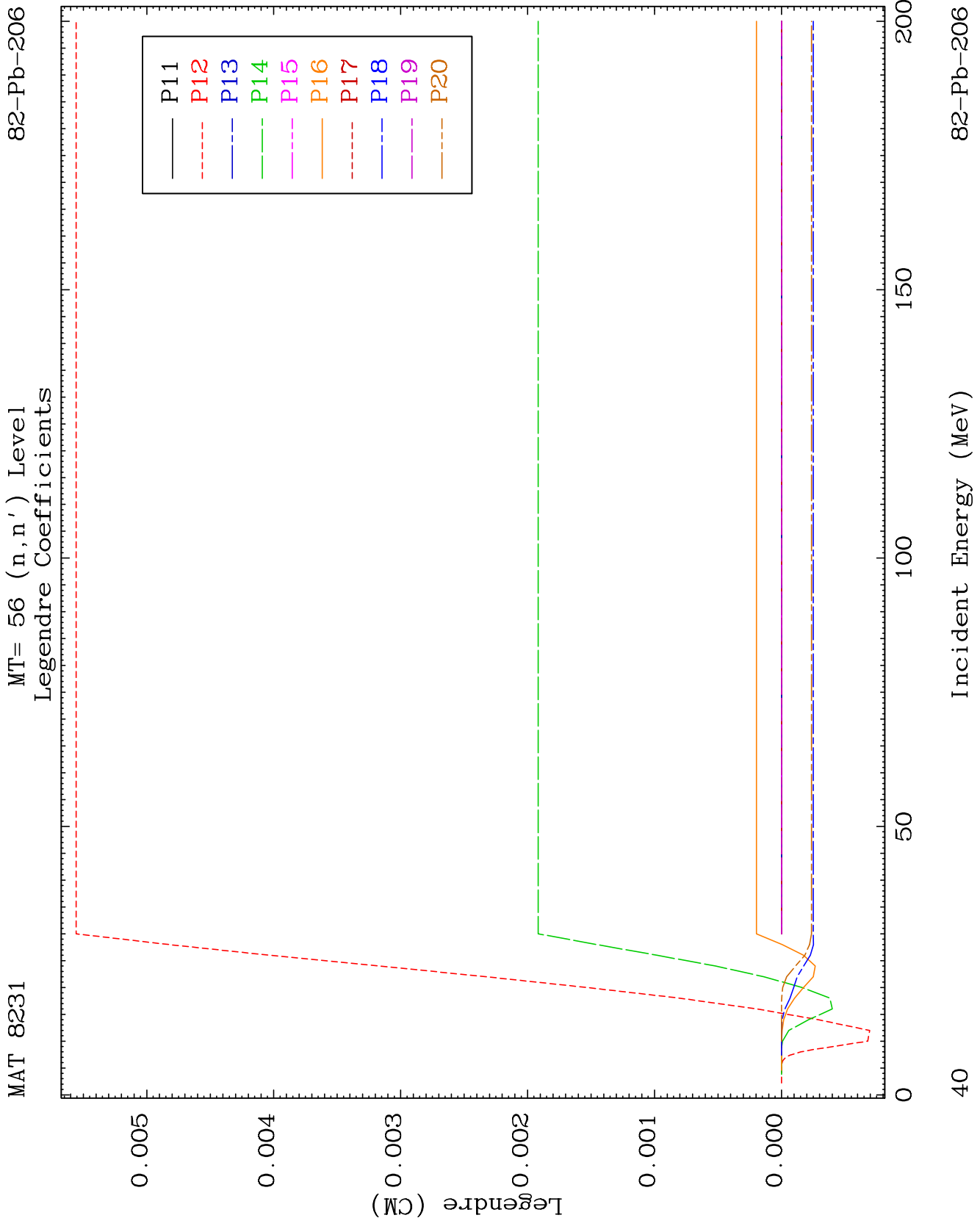
38

Incident Energy (MeV)

82-Pb-206



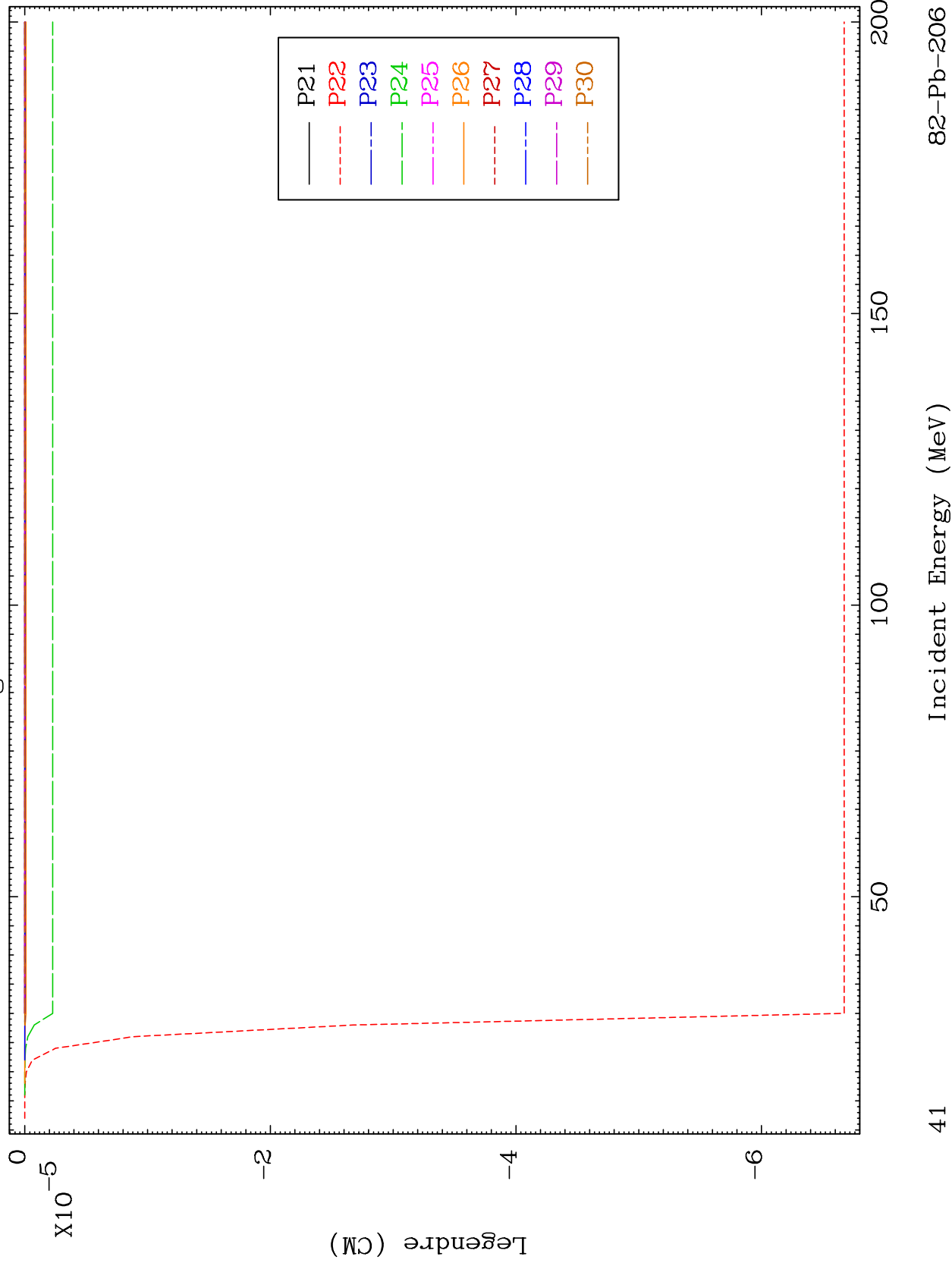




MAT 8231

MT= 56 (n,n') Level  
Legendre Coefficients

82-Pb-206



41

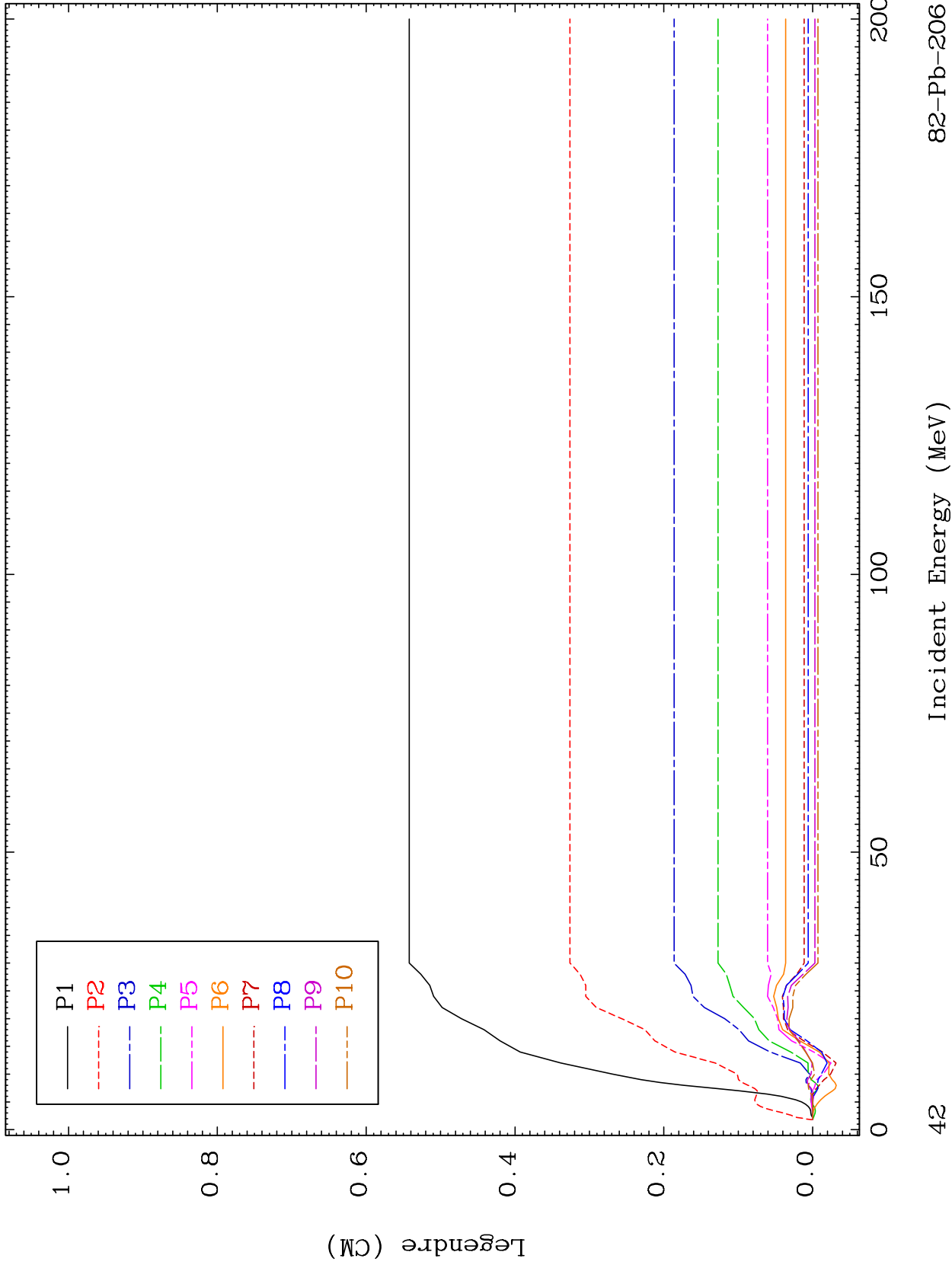
Incident Energy (MeV)

82-Pb-206

MAT 8231

MT= 57 (n,n') Level  
Legendre Coefficients

82-Pb-206



42

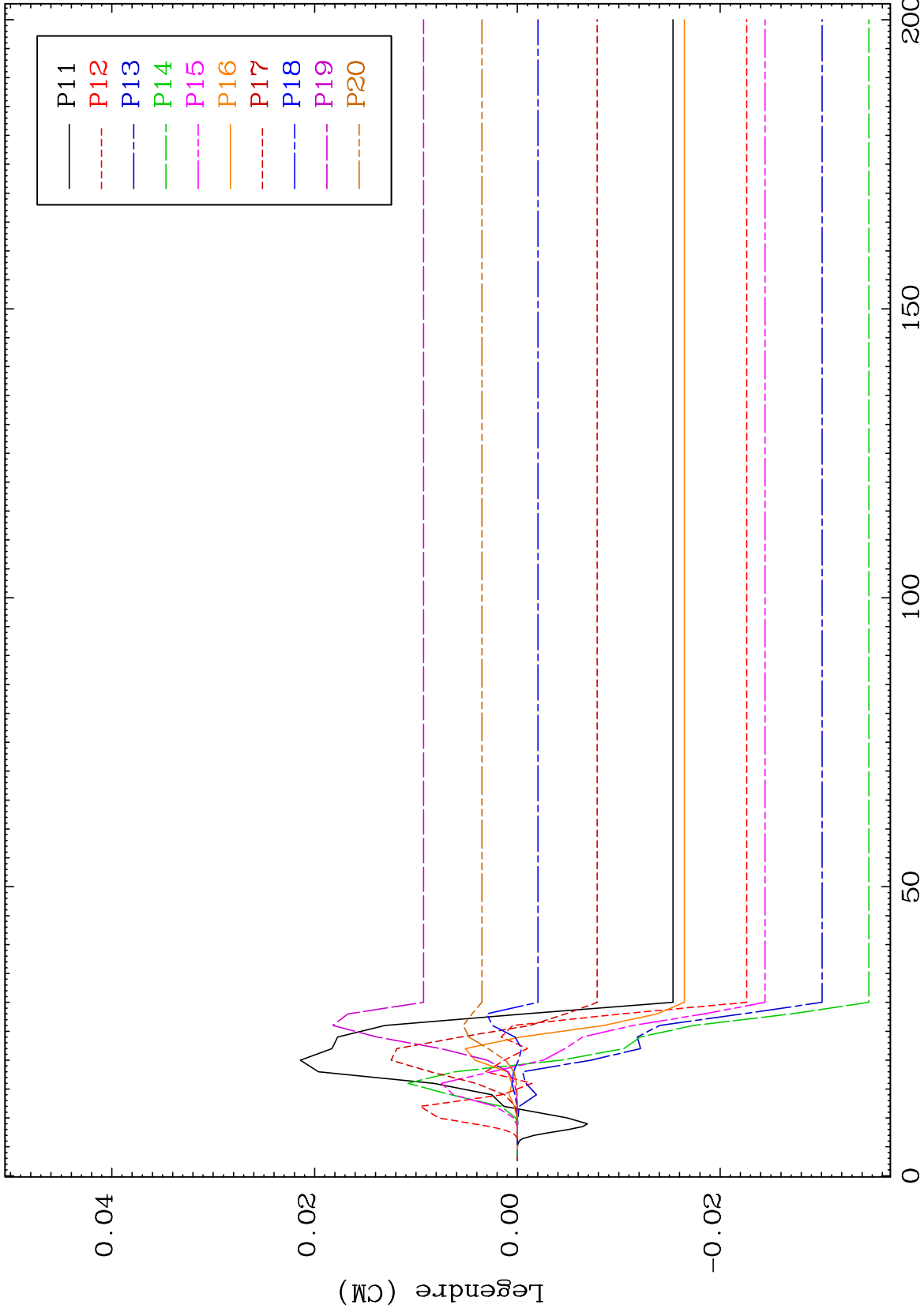
Incident Energy (MeV)

82-Pb-206

MAT 8231

MT= 57 (n,n') Level  
Legendre Coefficients

82-Pb-206



43

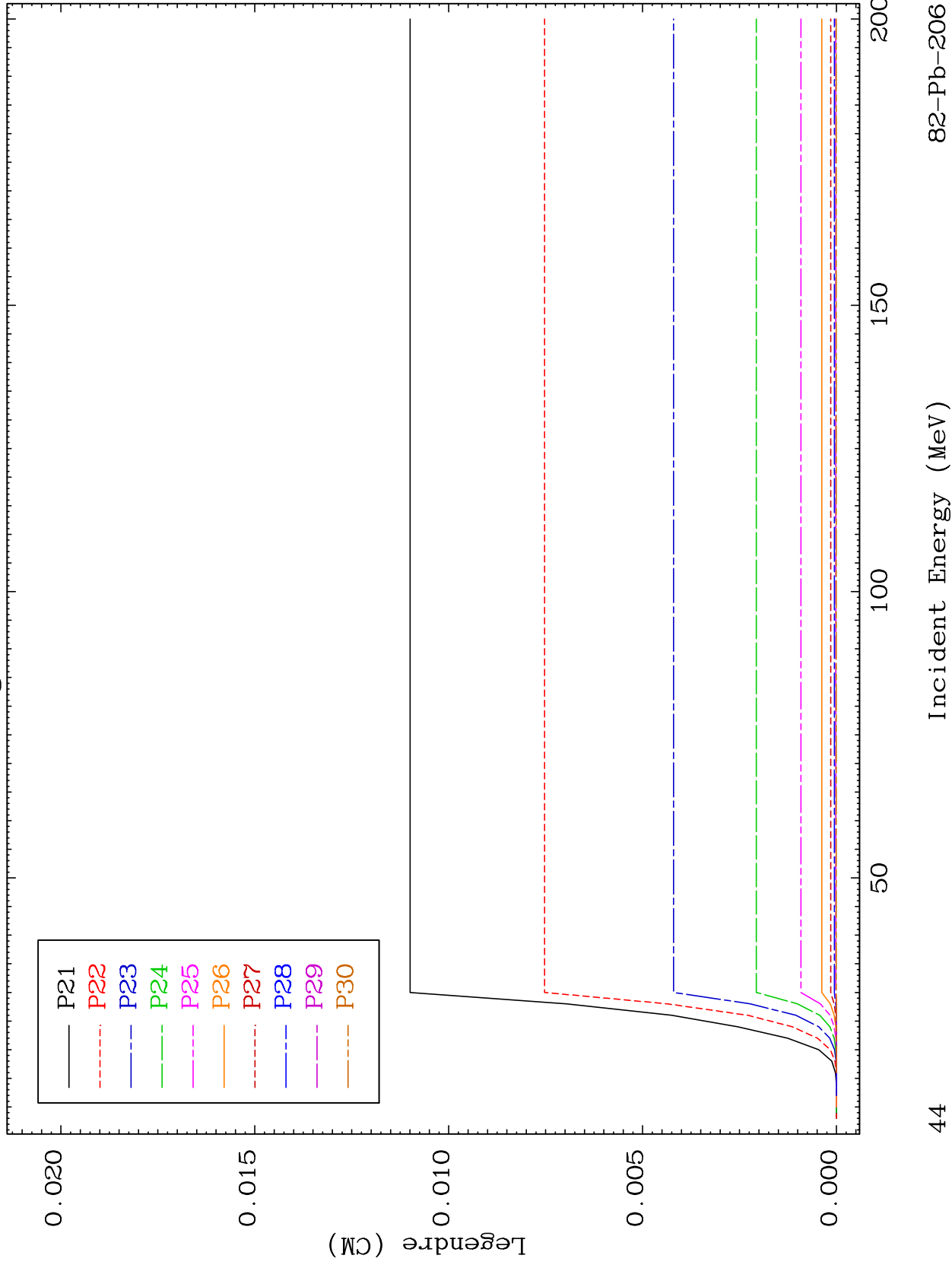
Incident Energy (MeV)

82-Pb-206

MAT 8231

MT= 57 (n,n') Level  
Legendre Coefficients

82-Pb-206



44

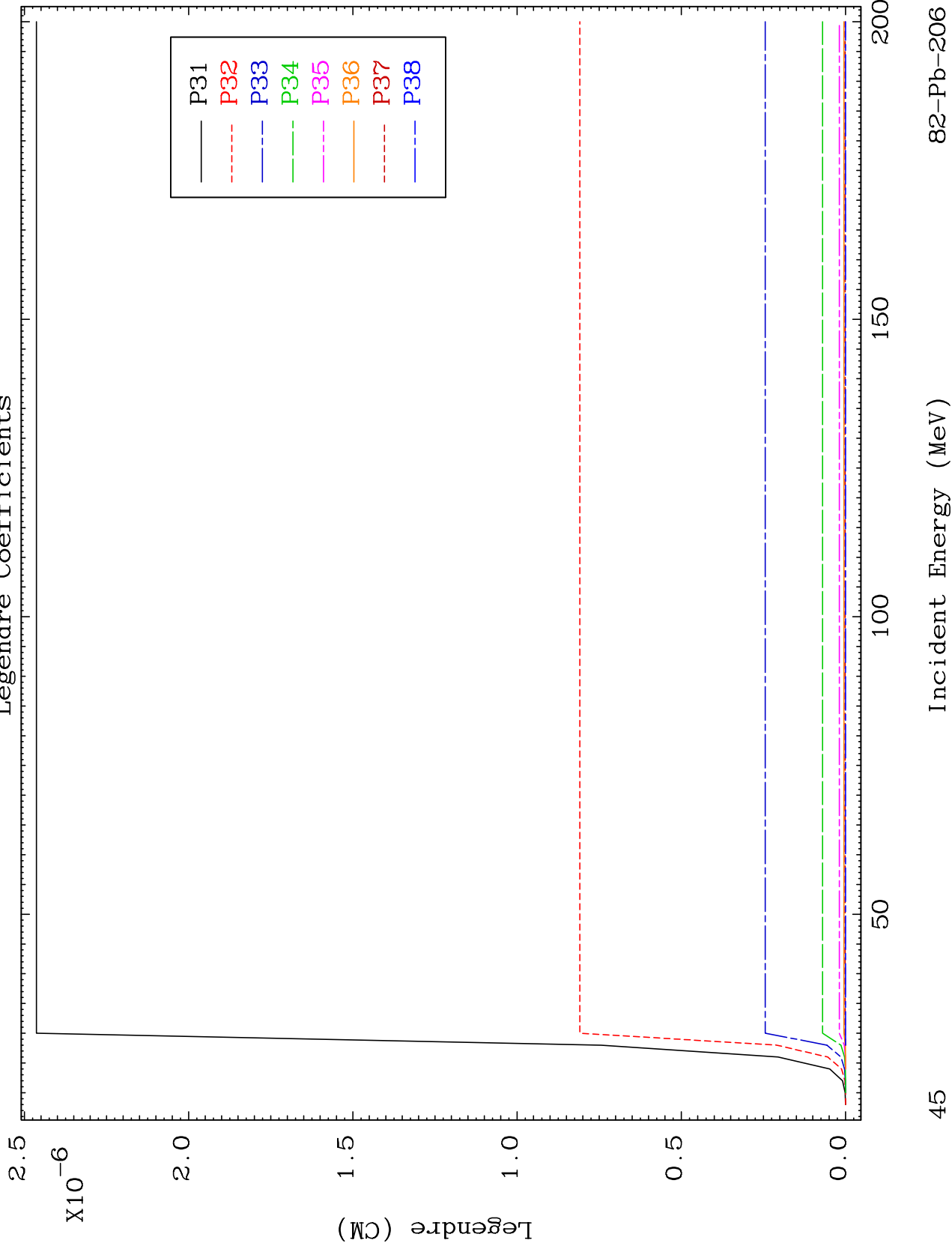
Incident Energy (MeV)

82-Pb-206

MAT 8231

MT= 57 (n,n') Level  
Legendre Coefficients

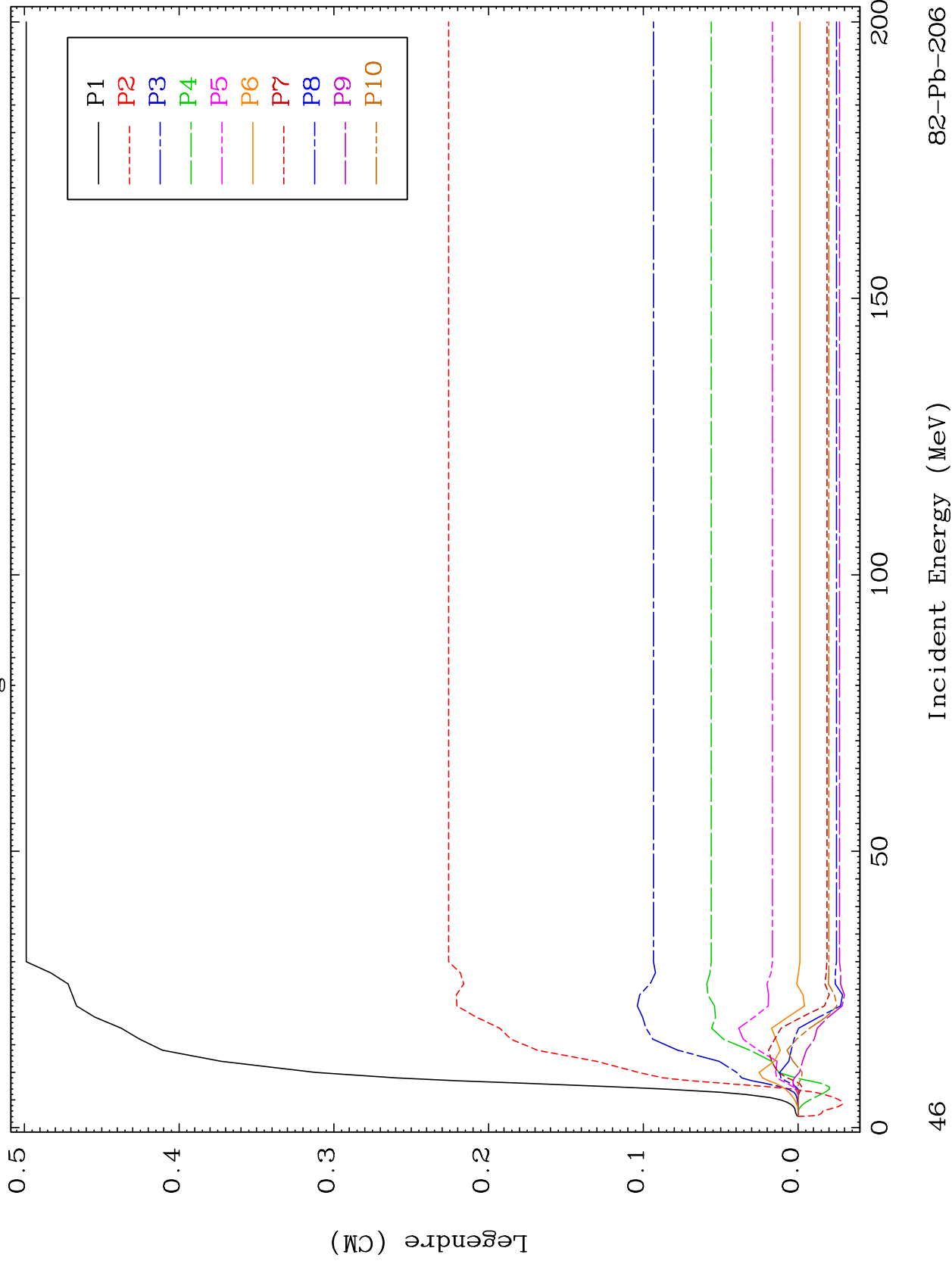
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MAT 8231

MT= 58 (n,n') Level  
Legendre Coefficients

82-Pb-206



82-Pb-206

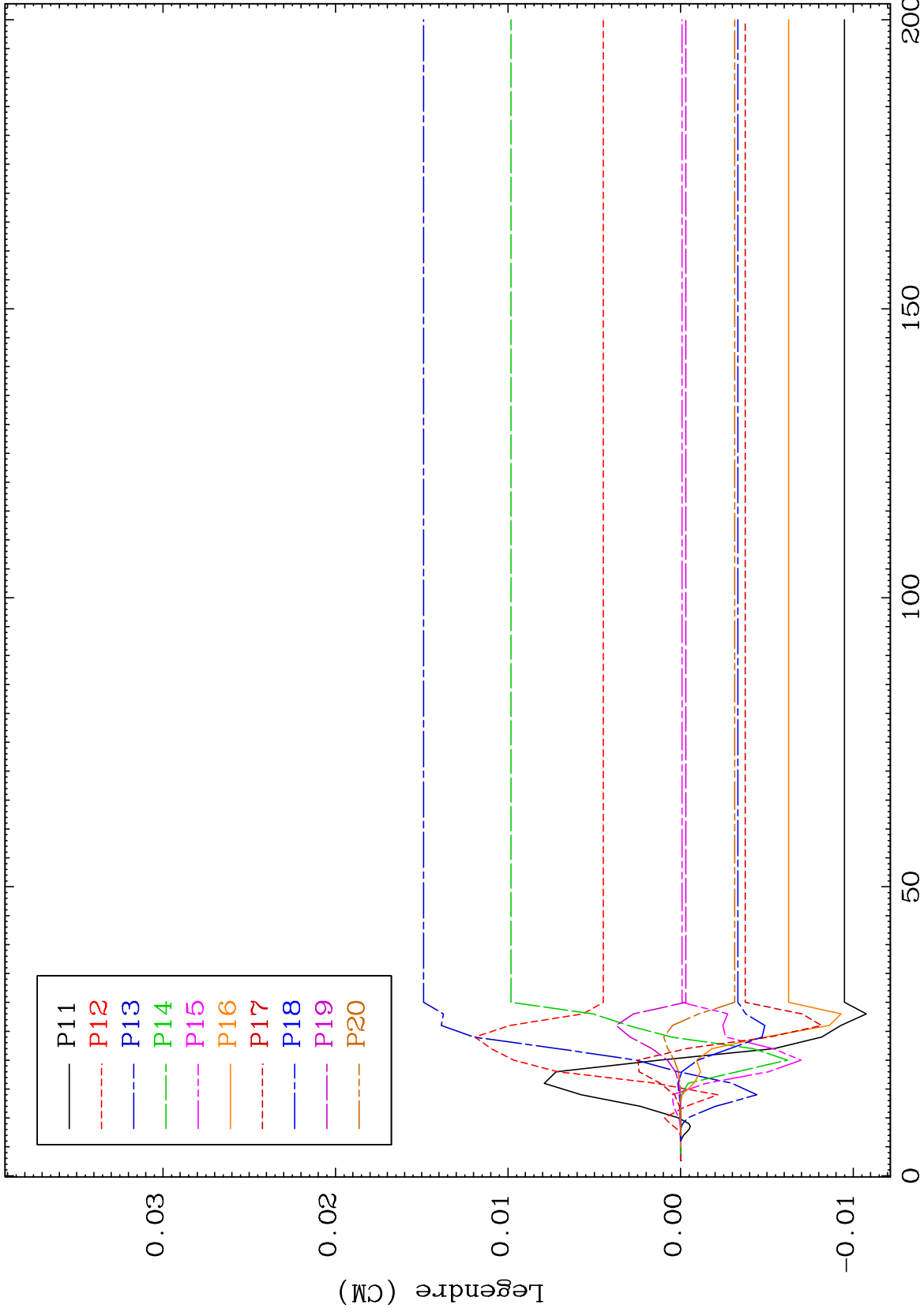
Incident Energy (MeV)

46

MAT 8231

MT= 58 (n,n') Level  
Legendre Coefficients

82-Pb-206



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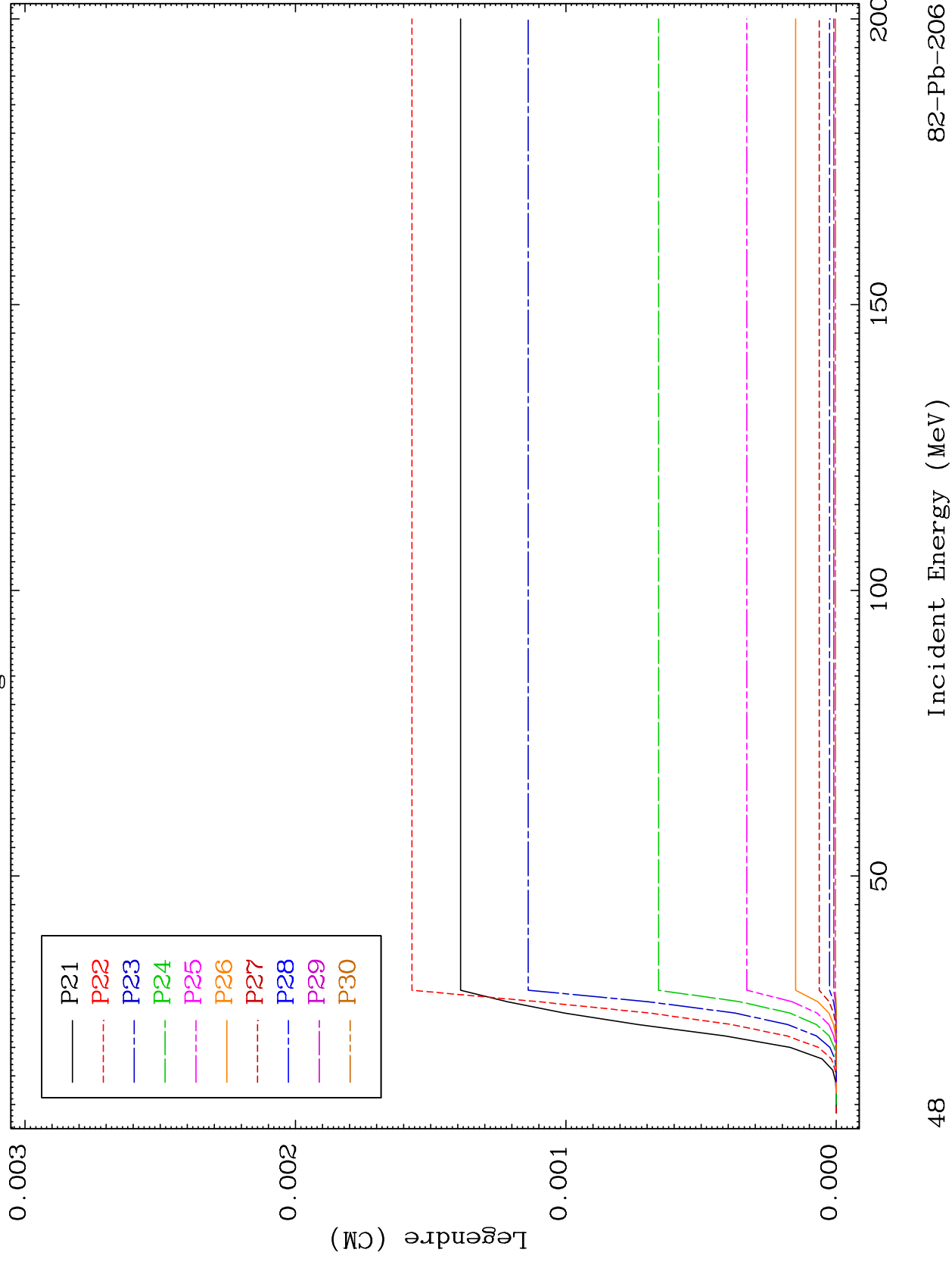
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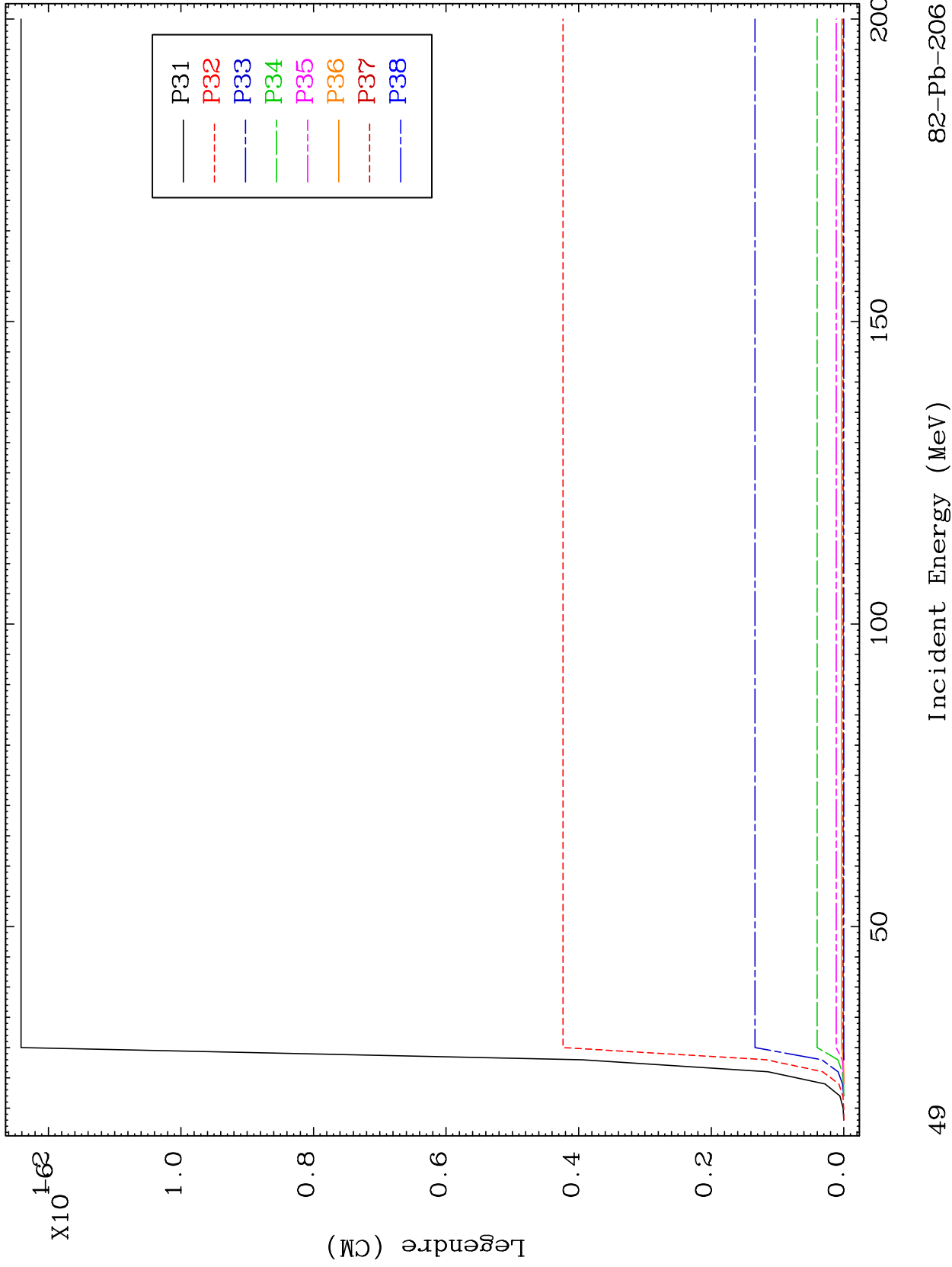


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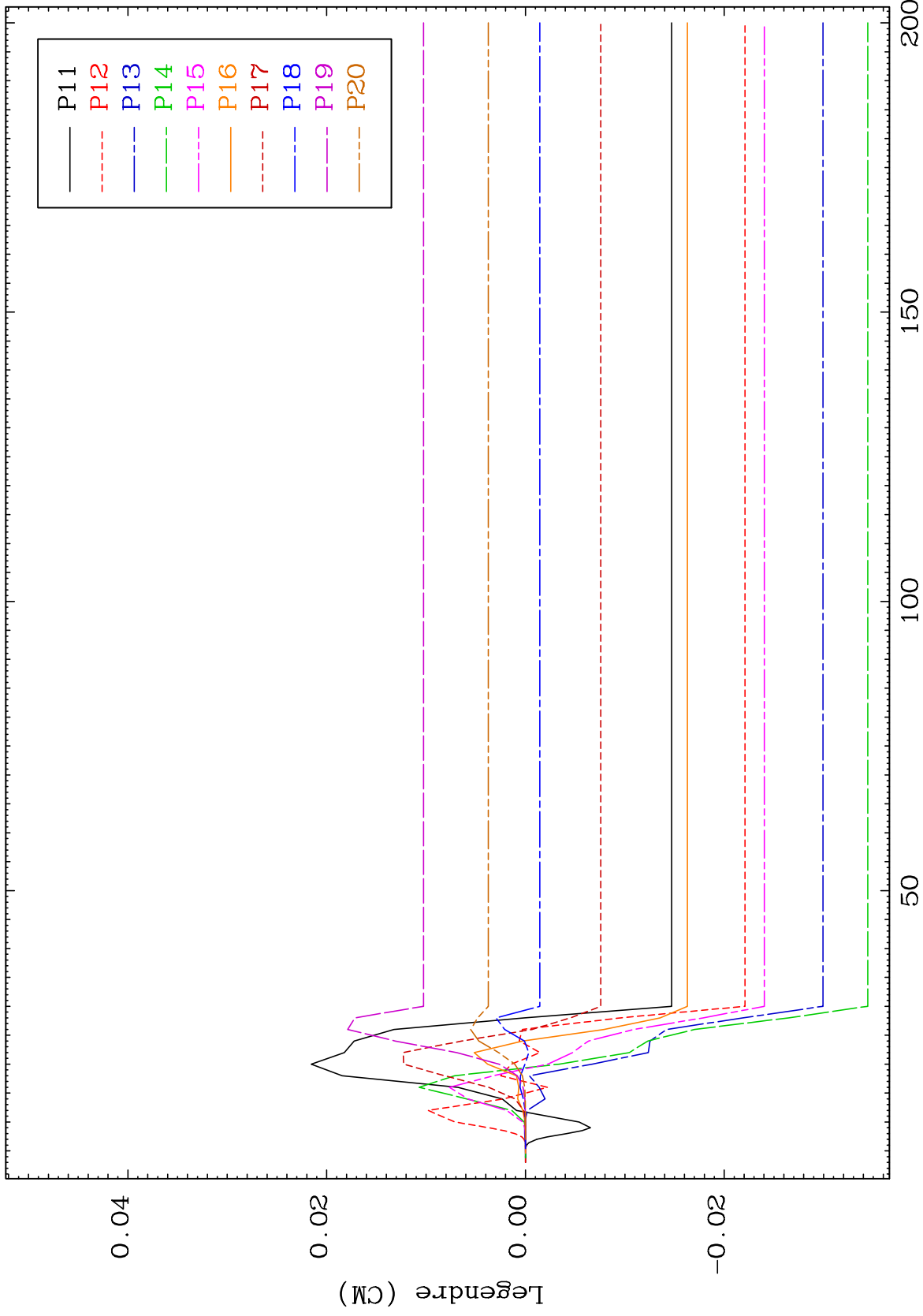
MT= 58 (n,n') Level  
Legendre Coefficients

82-Pb-206





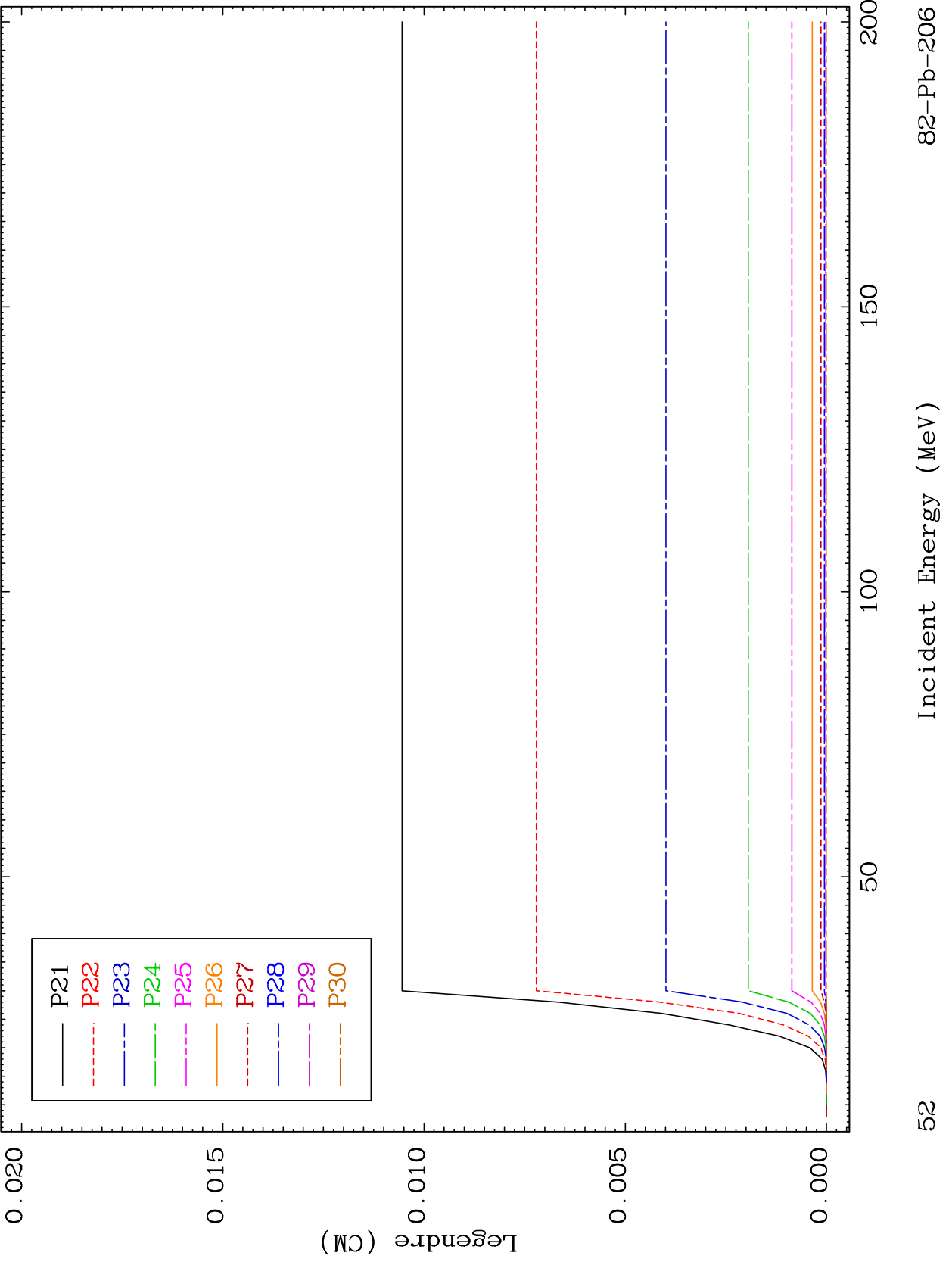




MAT 8231

MT= 59 (n,n') Level  
Legendre Coefficients

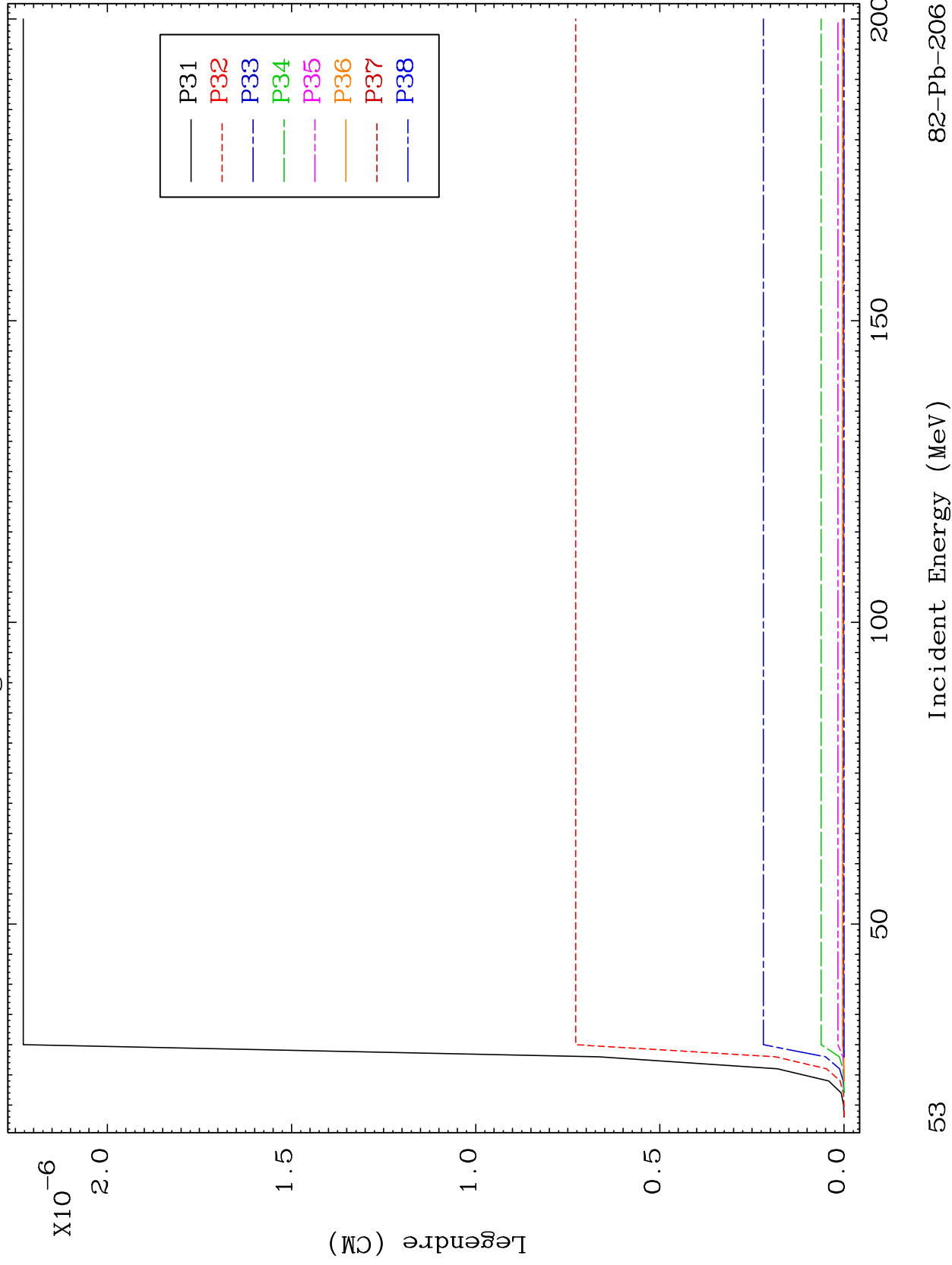
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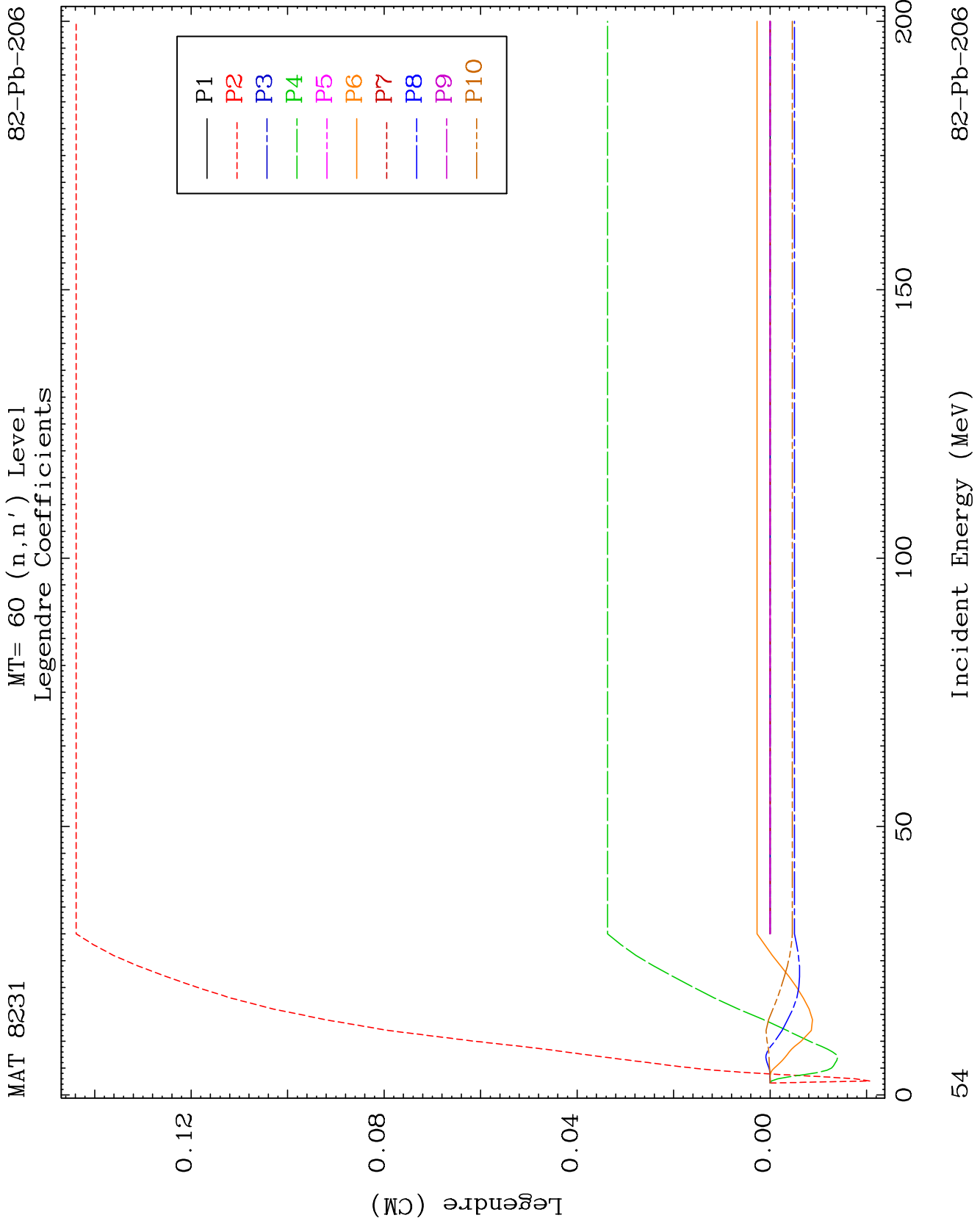


MAT 8231

MT= 59 (n,n') Level  
Legendre Coefficients

82-Pb-206

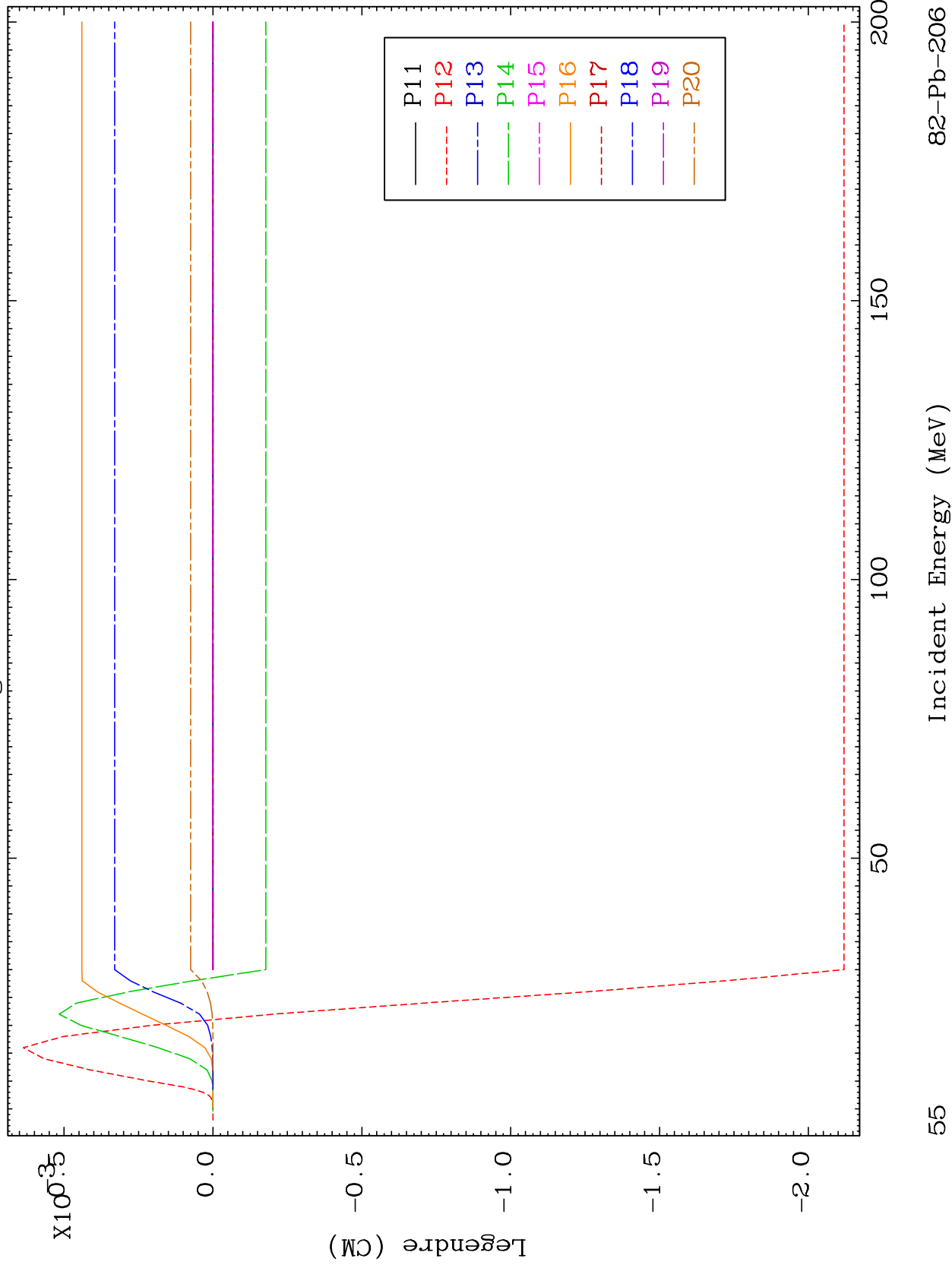




MAT 8231

MT= 60 (n,n') Level  
Legendre Coefficients

82-Pb-206



55

Incident Energy (MeV)

82-Pb-206

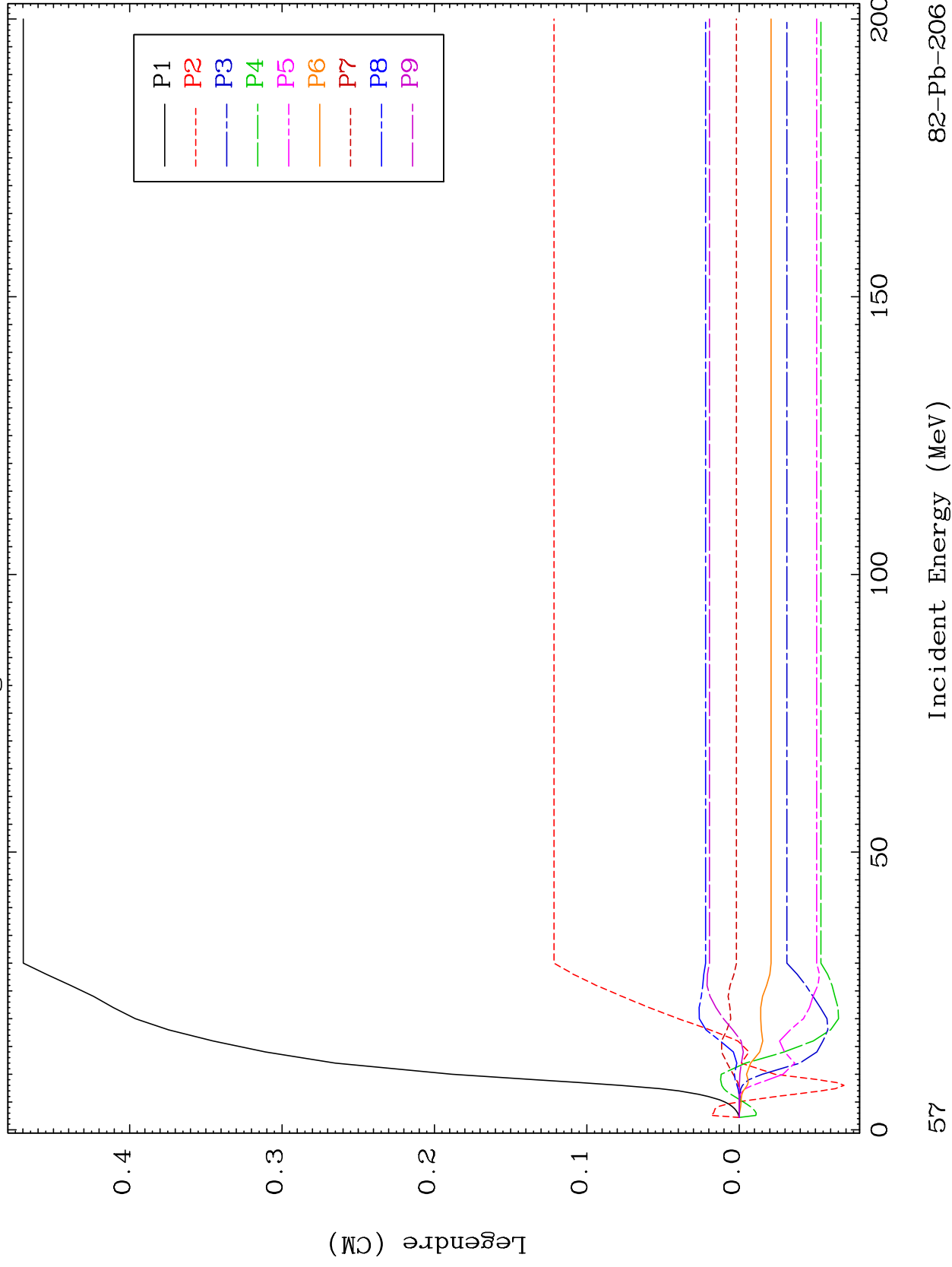




MAT 8231

MT= 61 (n,n') Level  
Legendre Coefficients

82-Pb-206



57

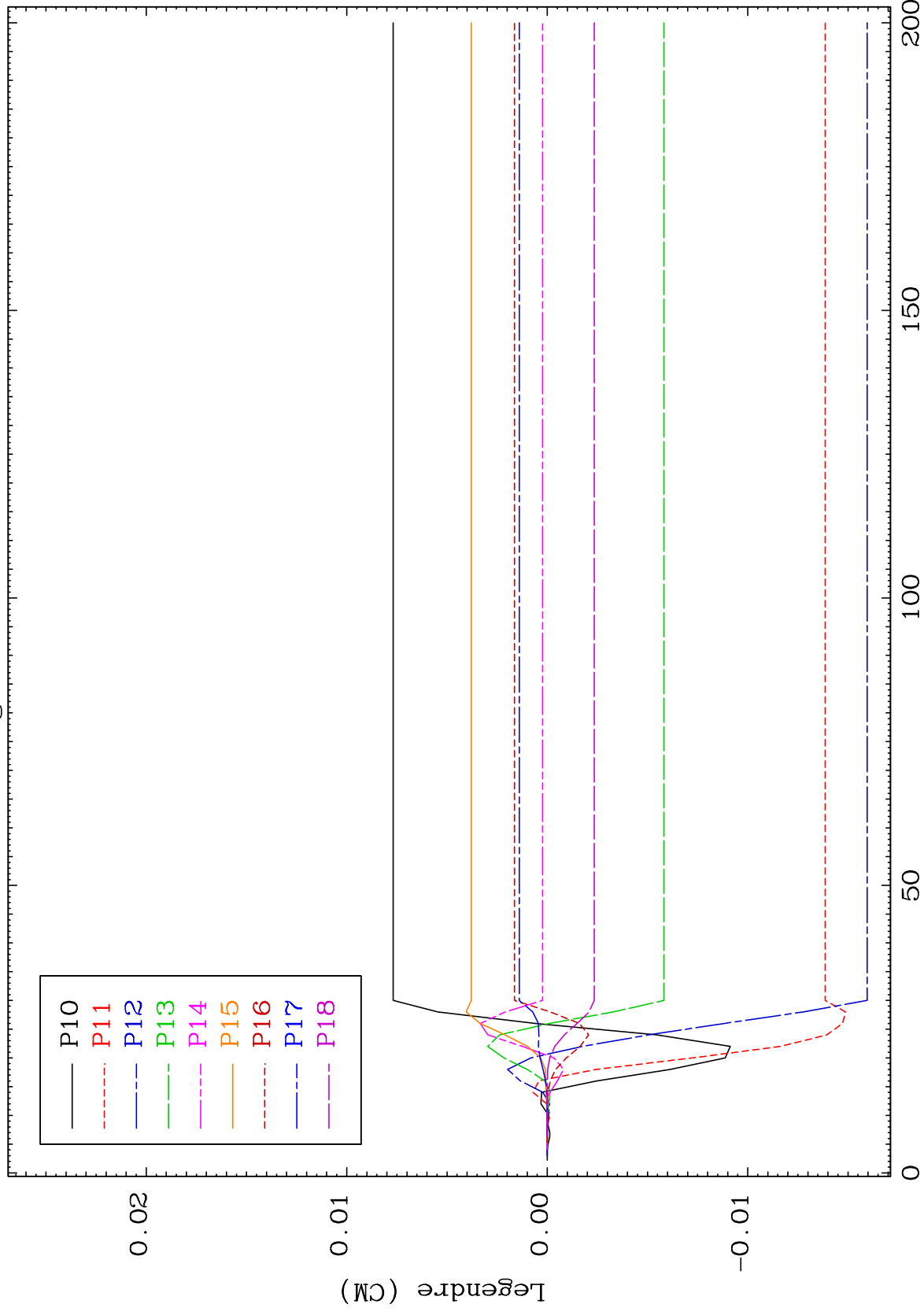
Incident Energy (MeV)

82-Pb-206

MAT 8231

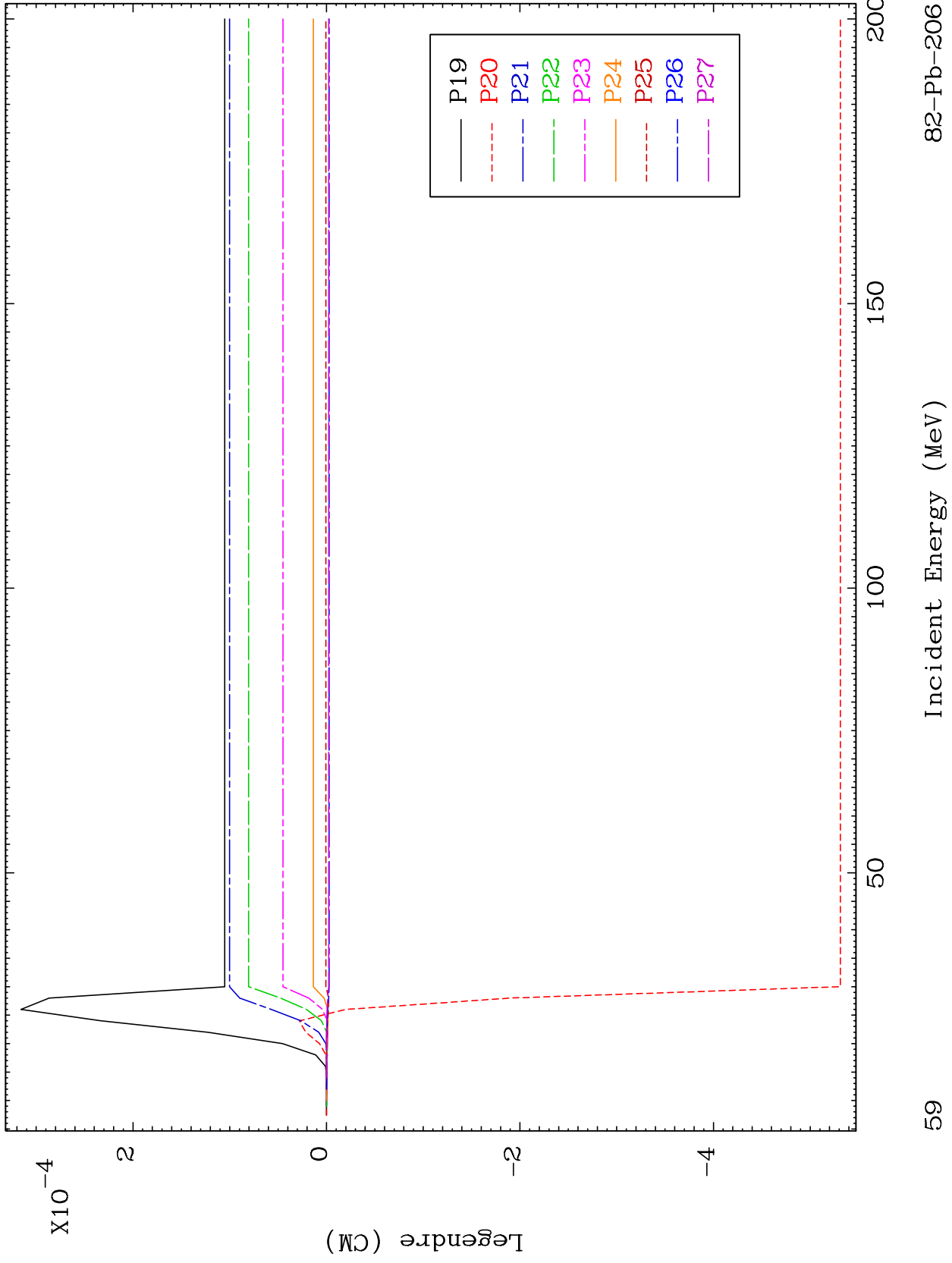
MT= 61 (n,n') Level  
Legendre Coefficients

82-Pb-206

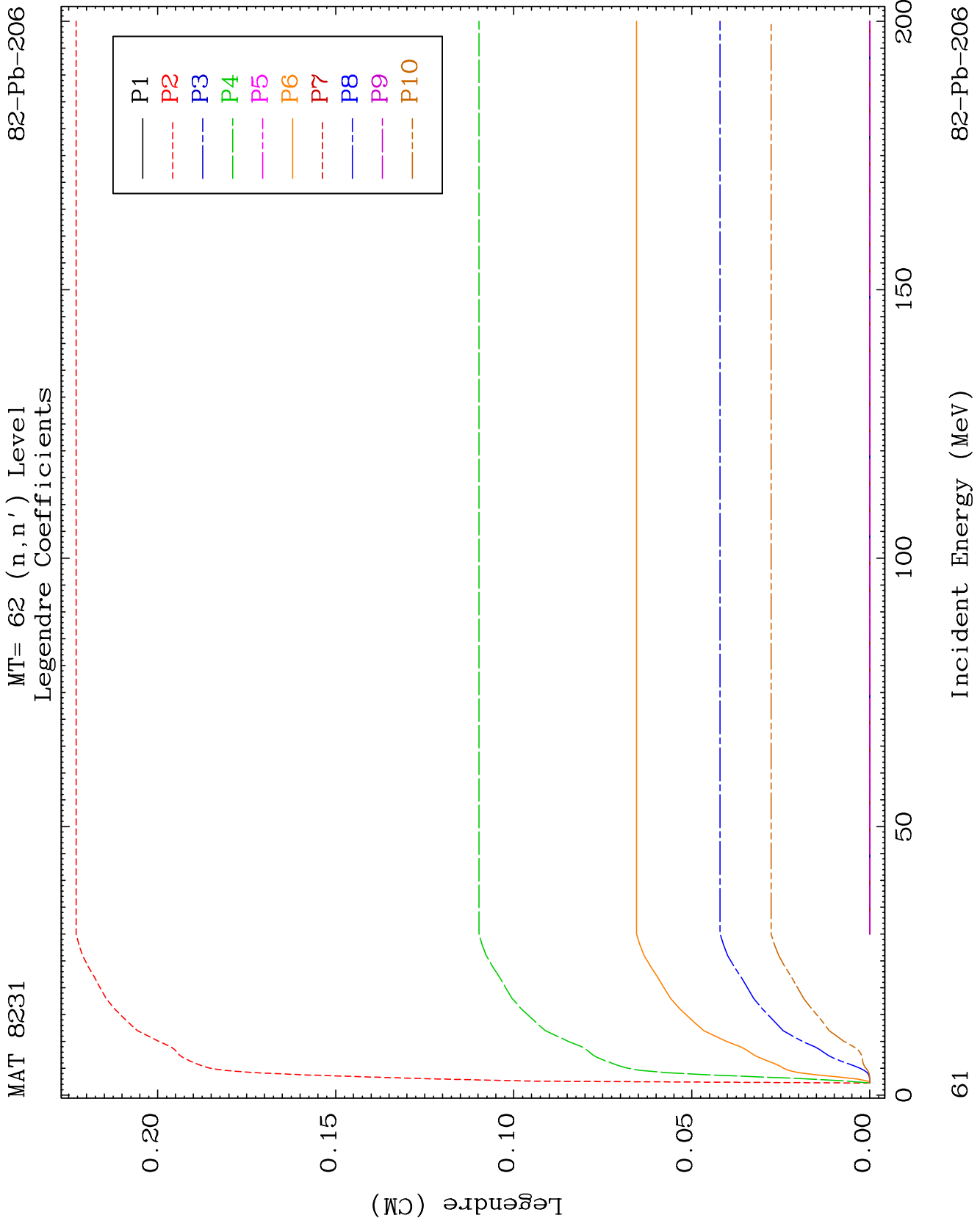


58

82-Pb-206



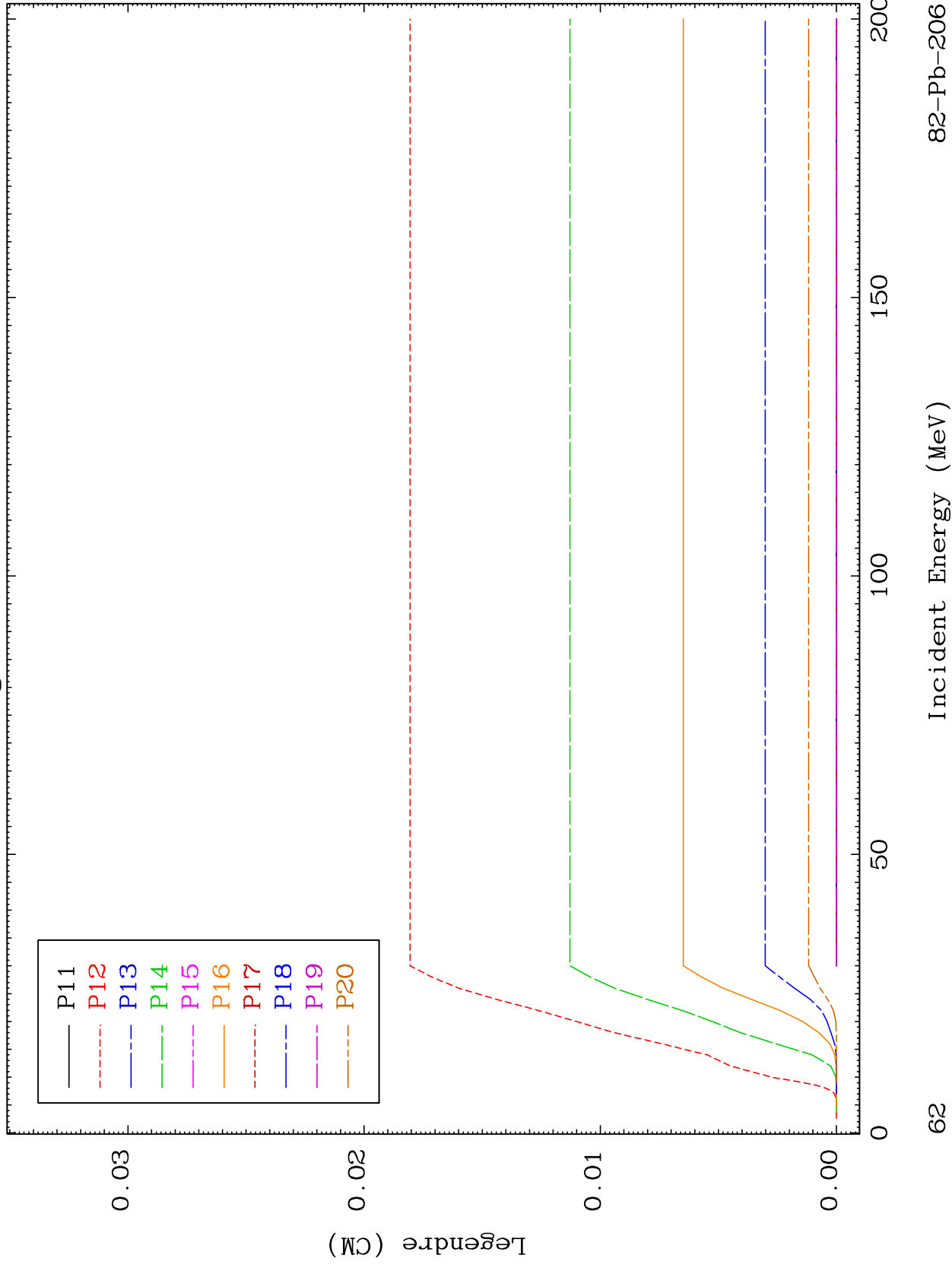




MAT 8231

MT= 62 (n,n') Level  
Legendre Coefficients

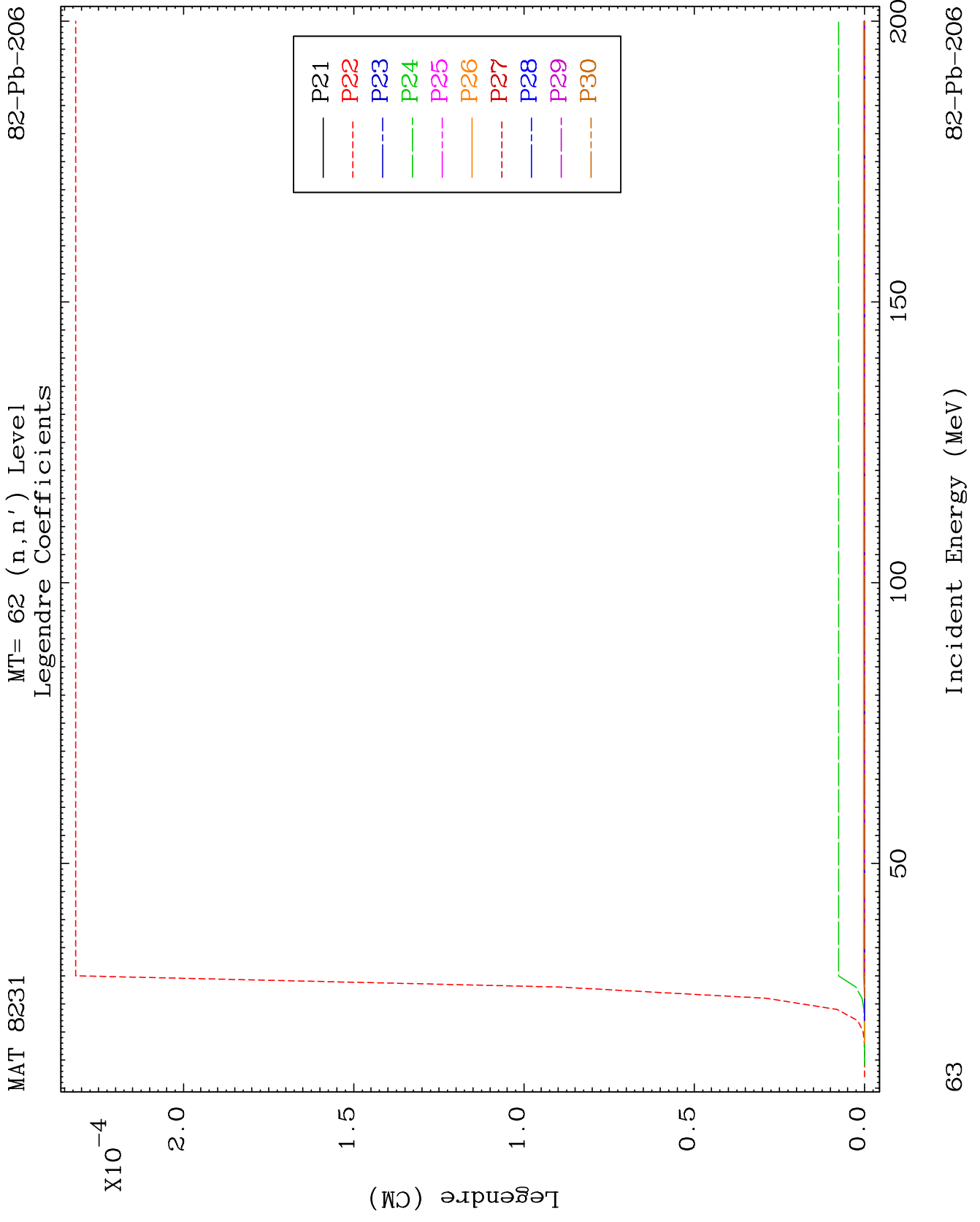
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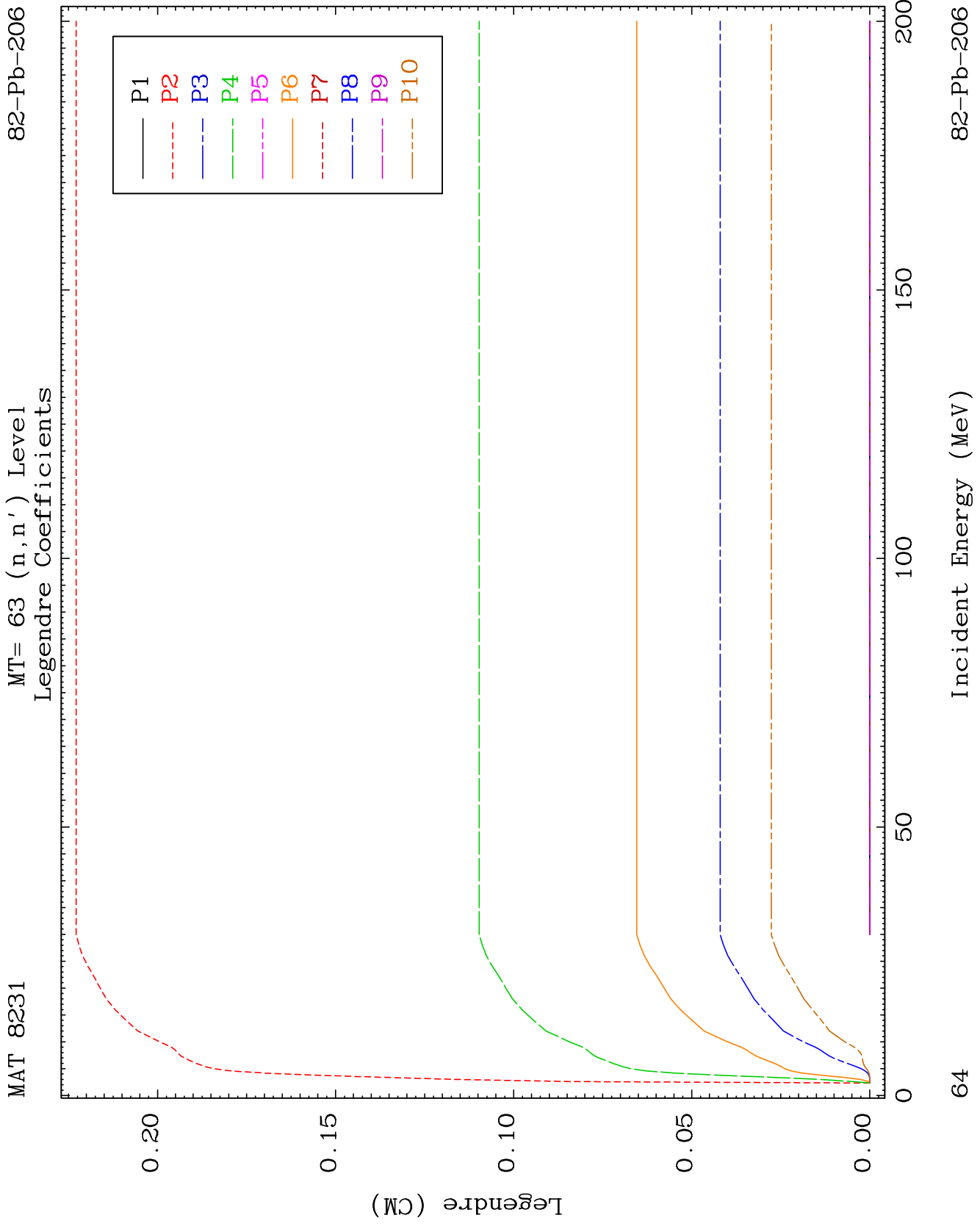
82-Pb-206

Incident Energy (MeV)

62



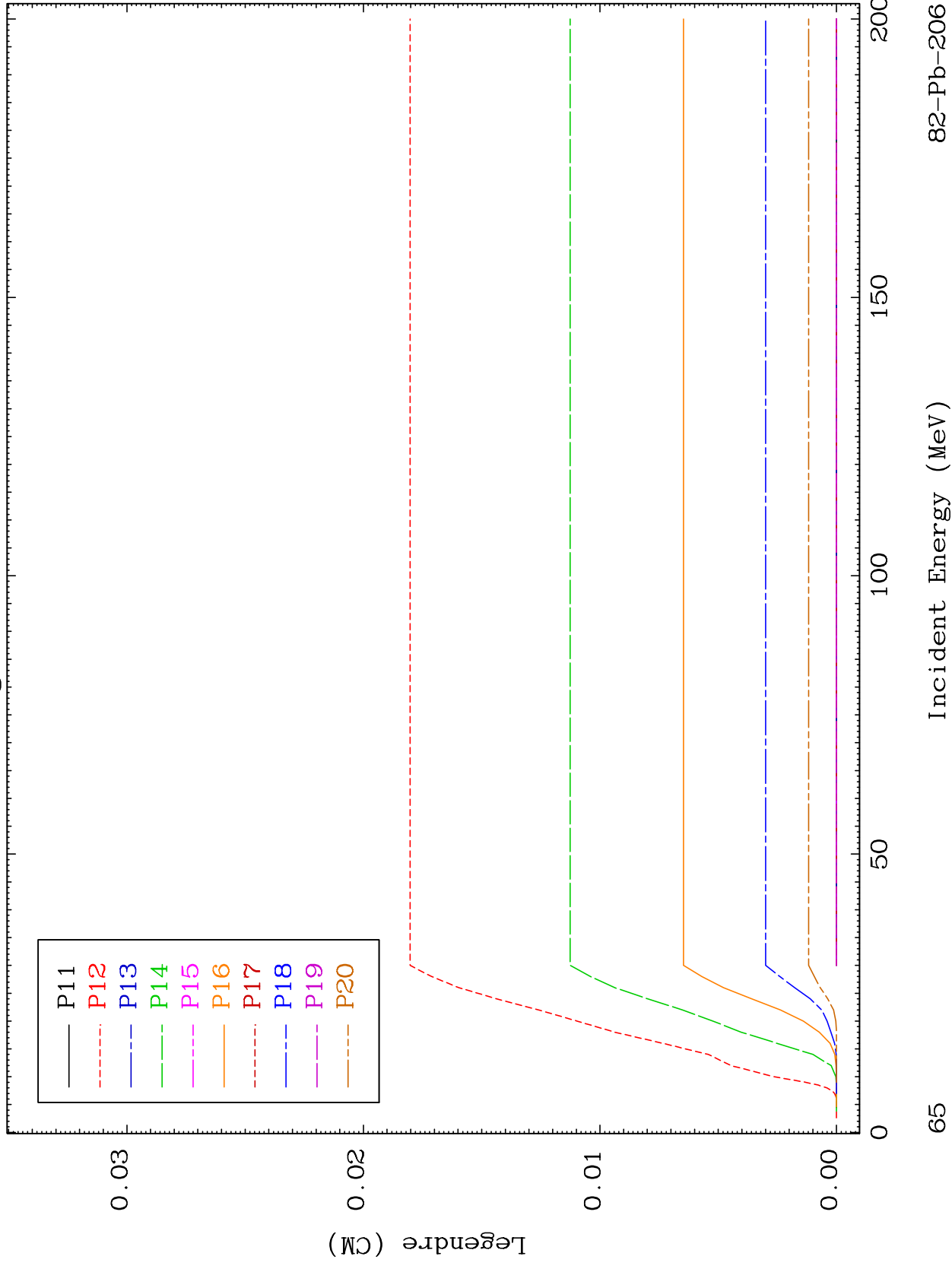




MAT 8231

MT= 63 (n,n') Level  
Legendre Coefficients

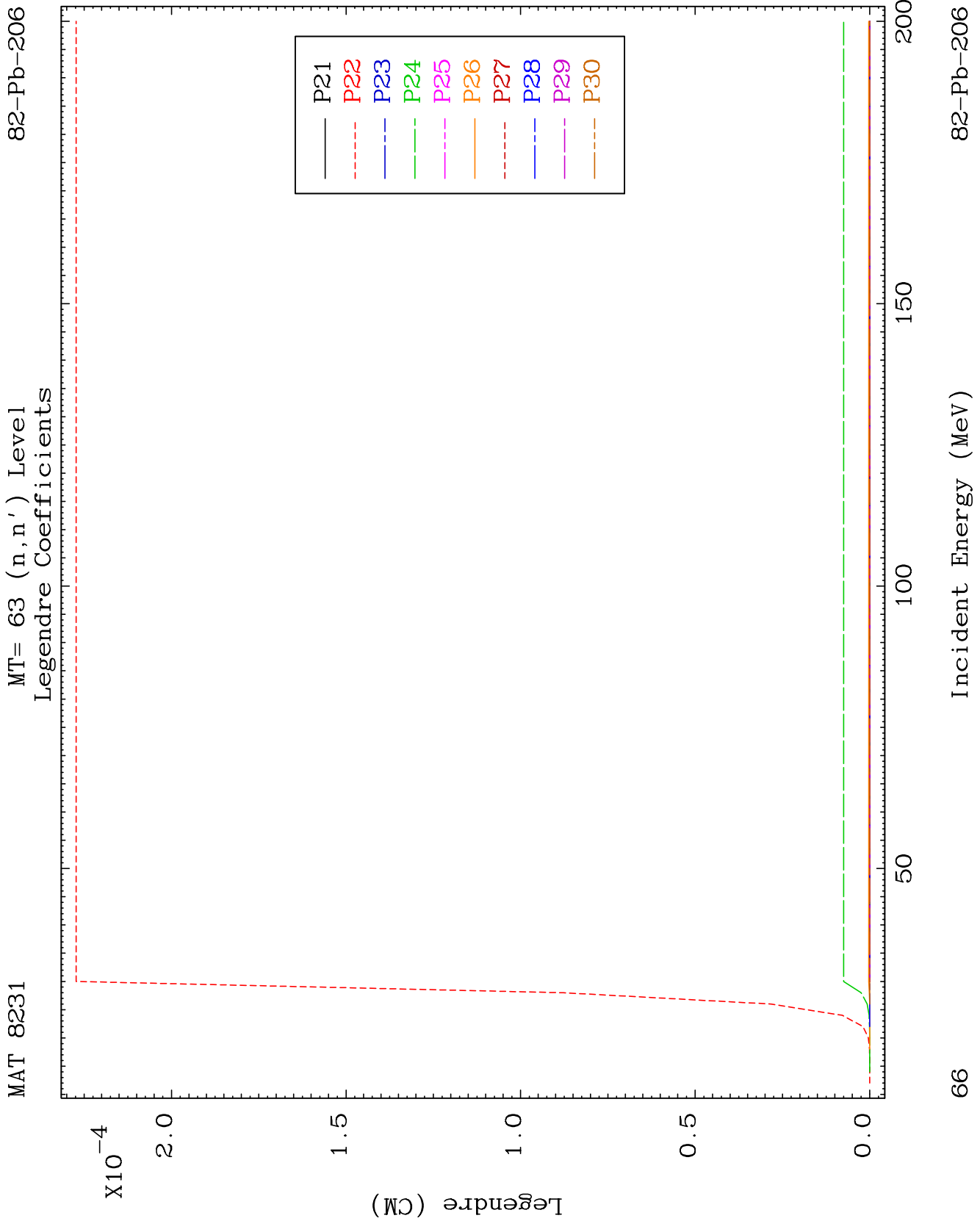
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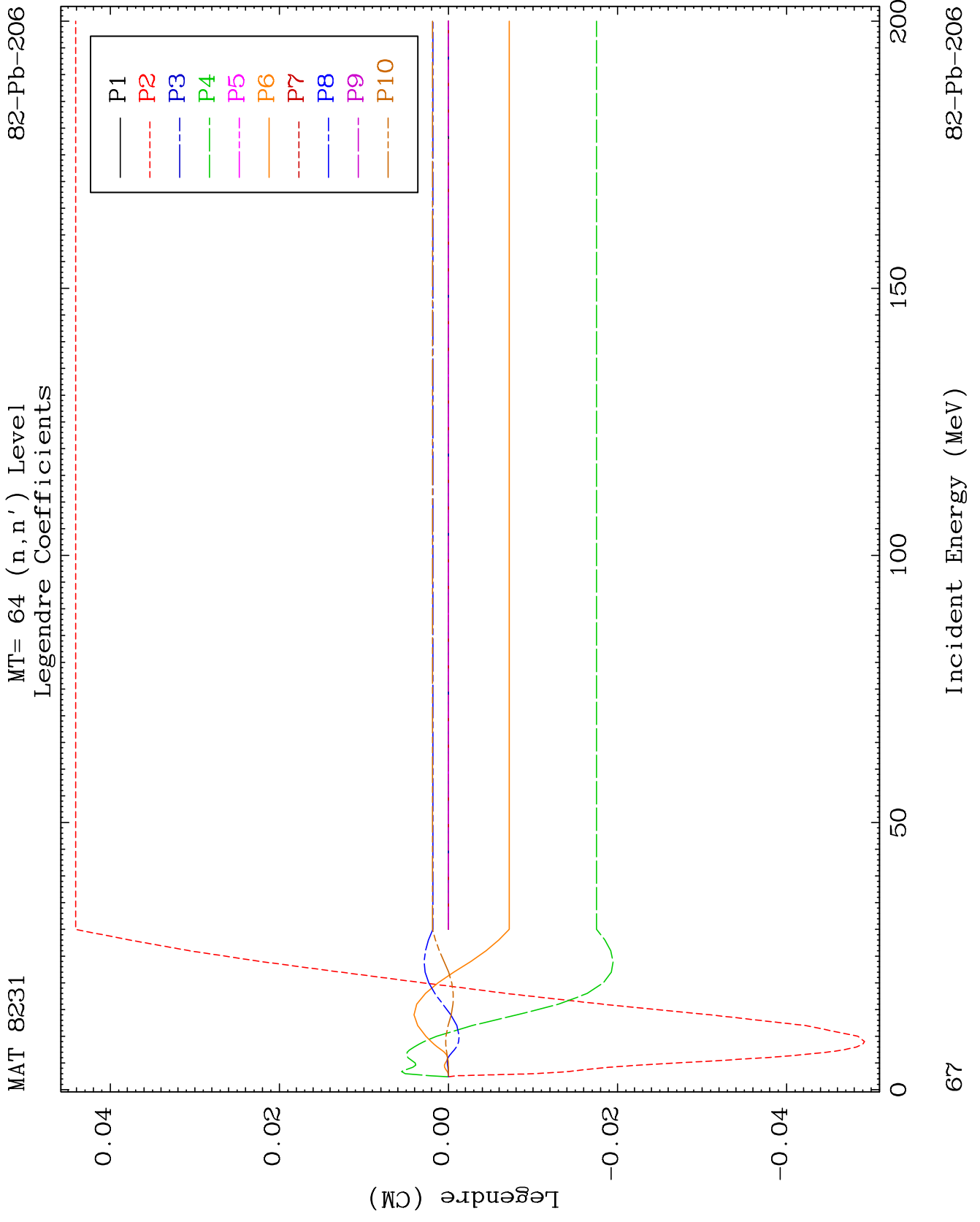


65

Incident Energy (MeV)

82-Pb-206

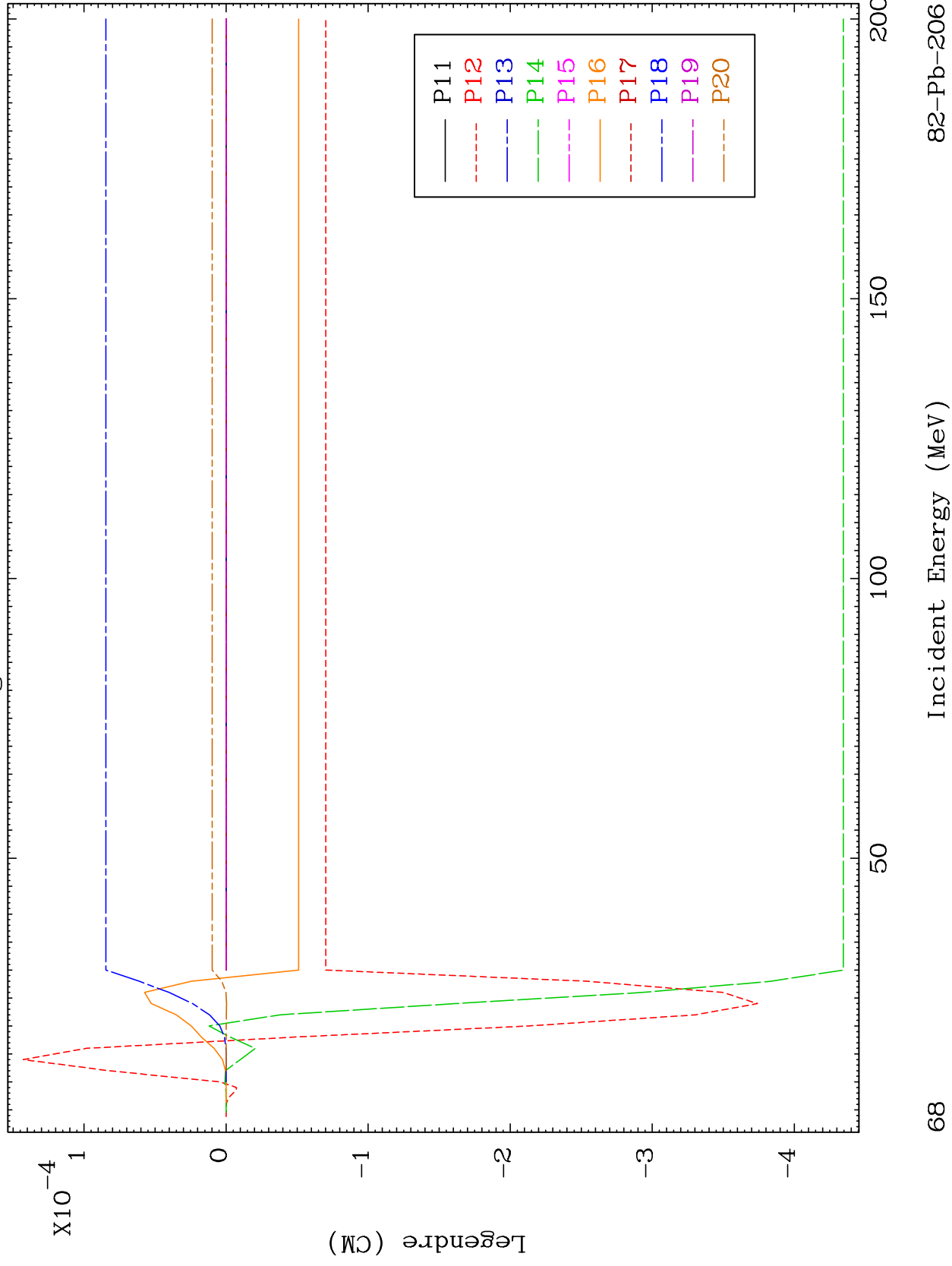




MAT 8231

MT= 64 (n,n') Level  
Legendre Coefficients

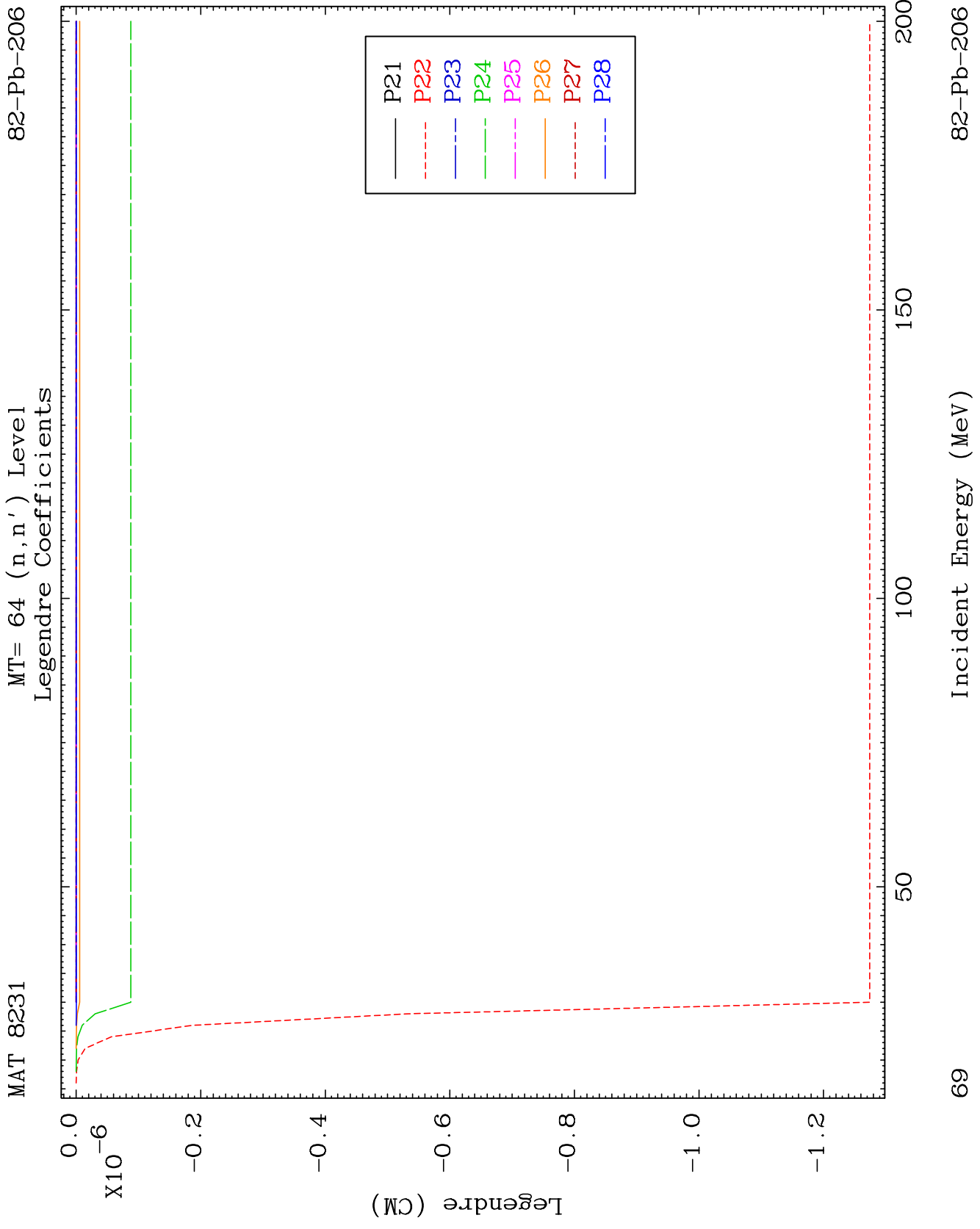
82-Pb-206



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Incident Energy (MeV)

82-Pb-206

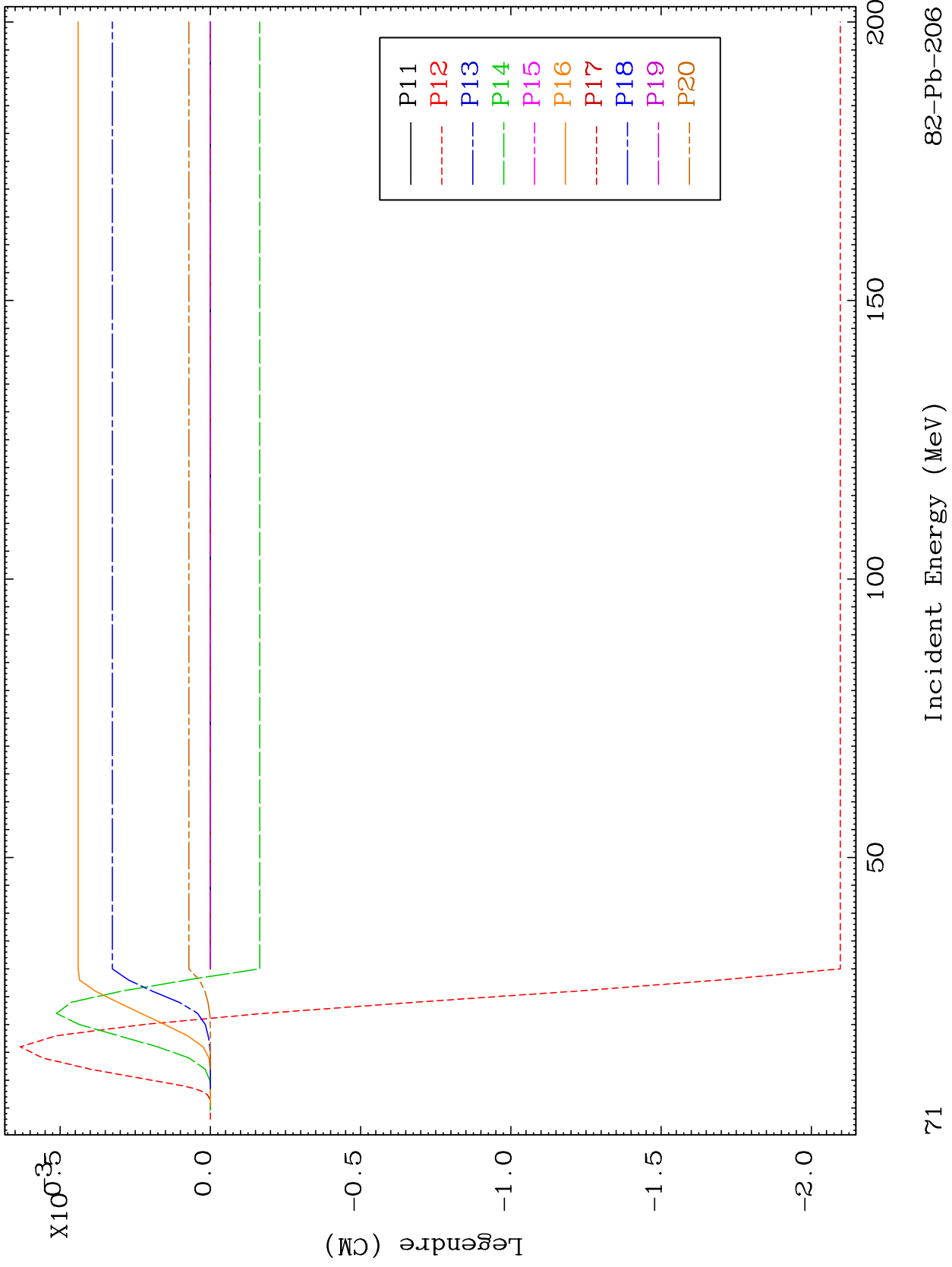




MAT 8231

MT= 65 (n,n') Level  
Legendre Coefficients

82-Pb-206

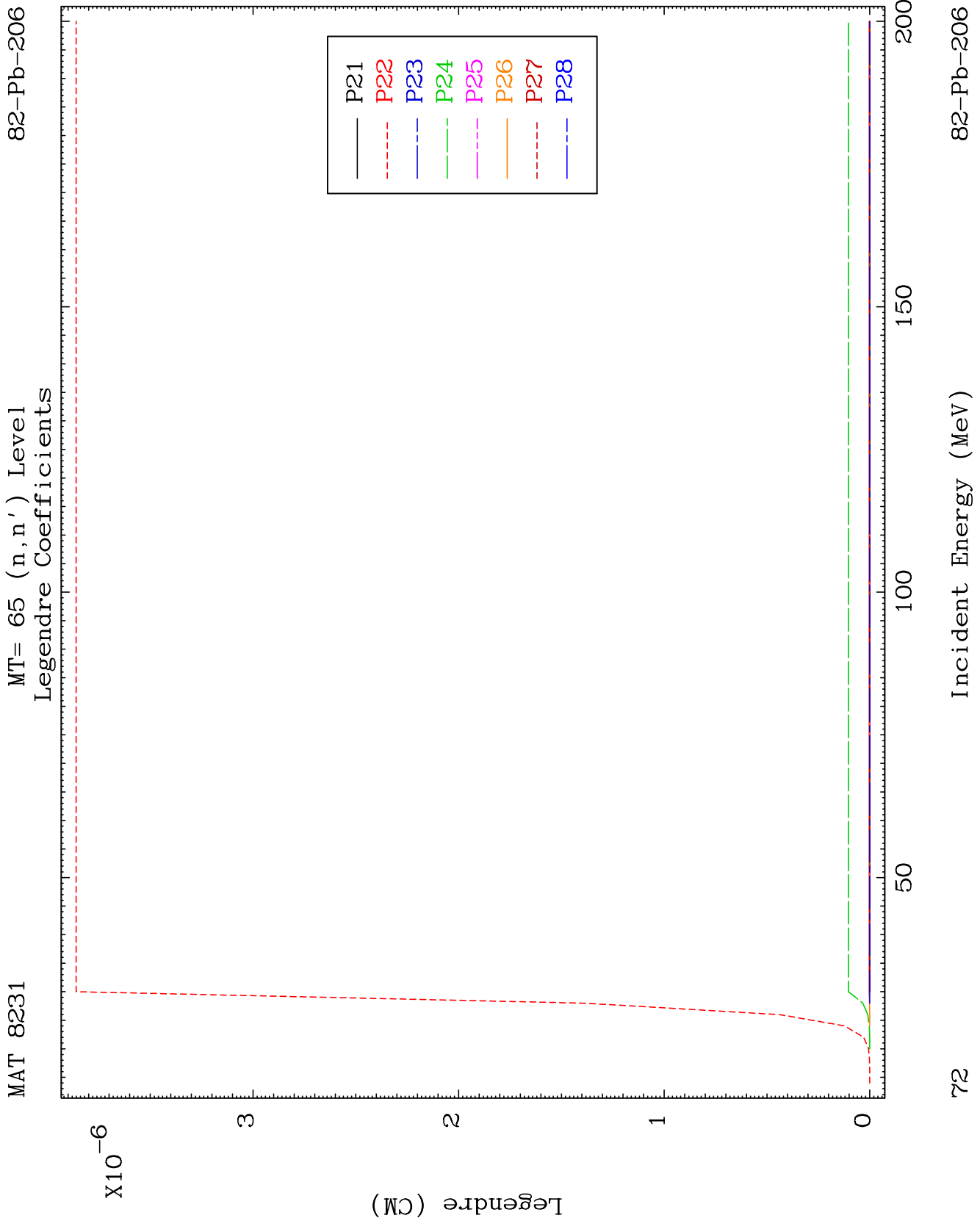


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Incident Energy (MeV)

82-Pb-206

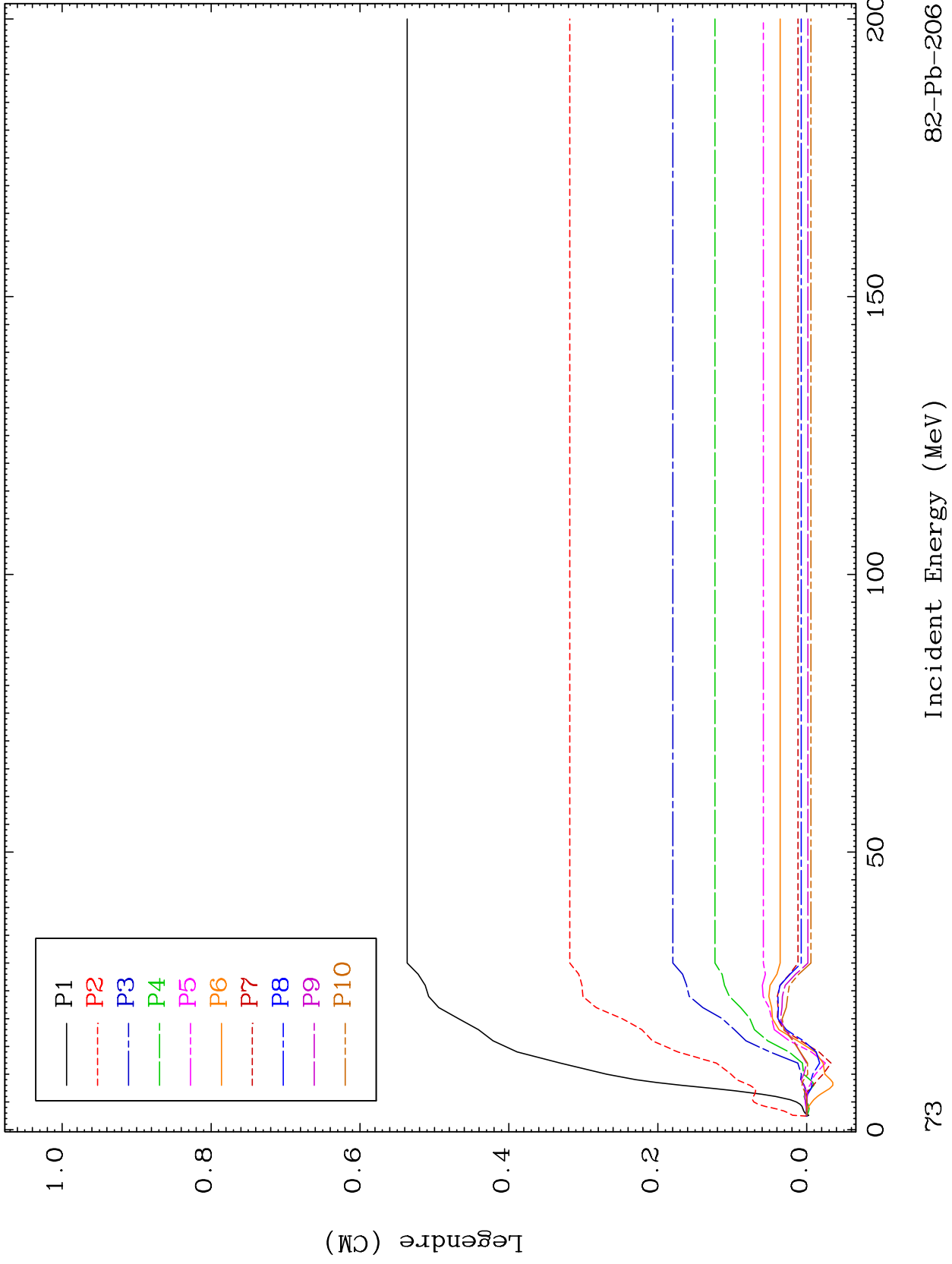




MAT 8231

MT= 66 (n,n') Level  
Legendre Coefficients

82-Pb-206

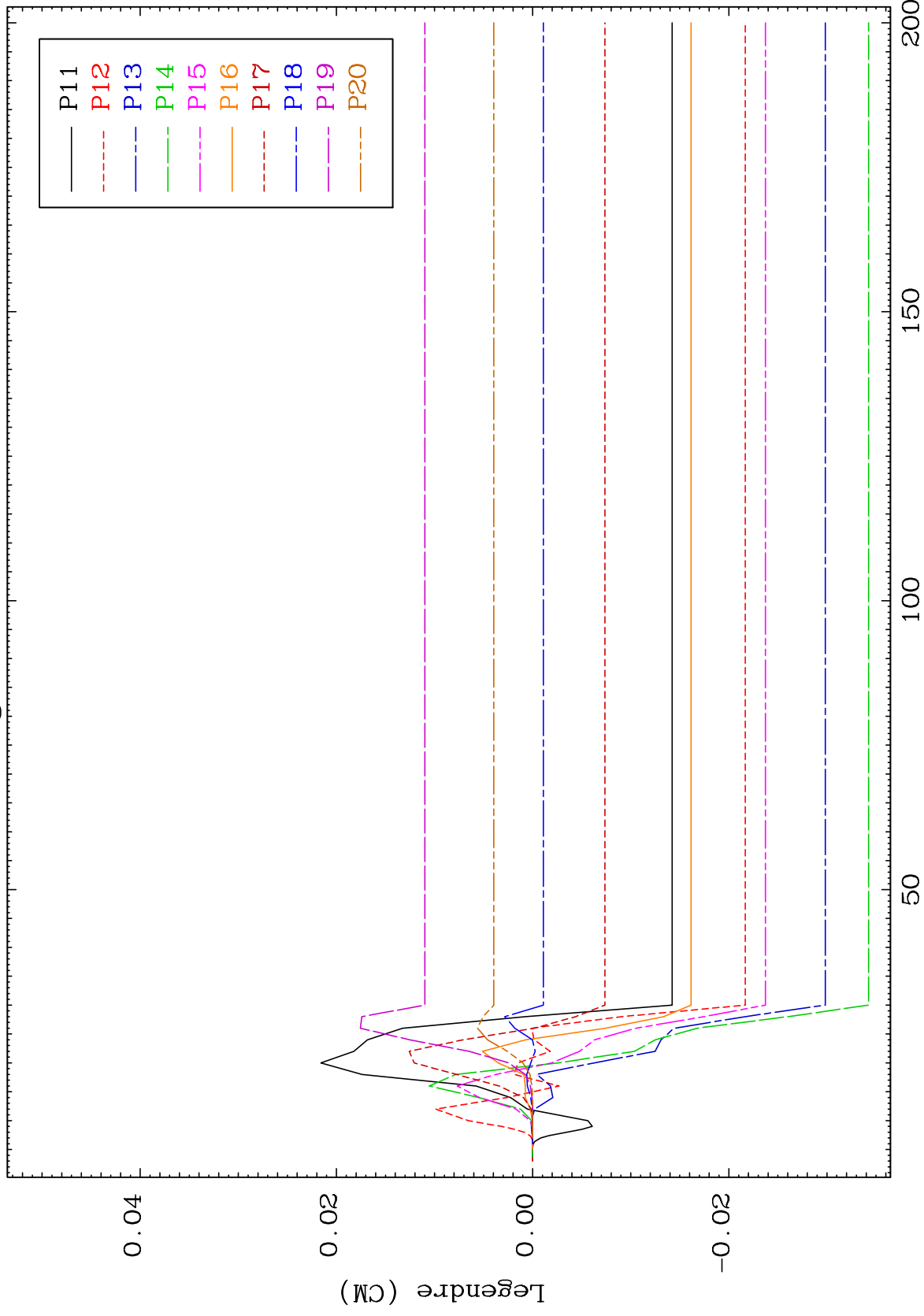


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MAT 8231

MT= 66 (n,n') Level  
Legendre Coefficients

82-Pb-206



74

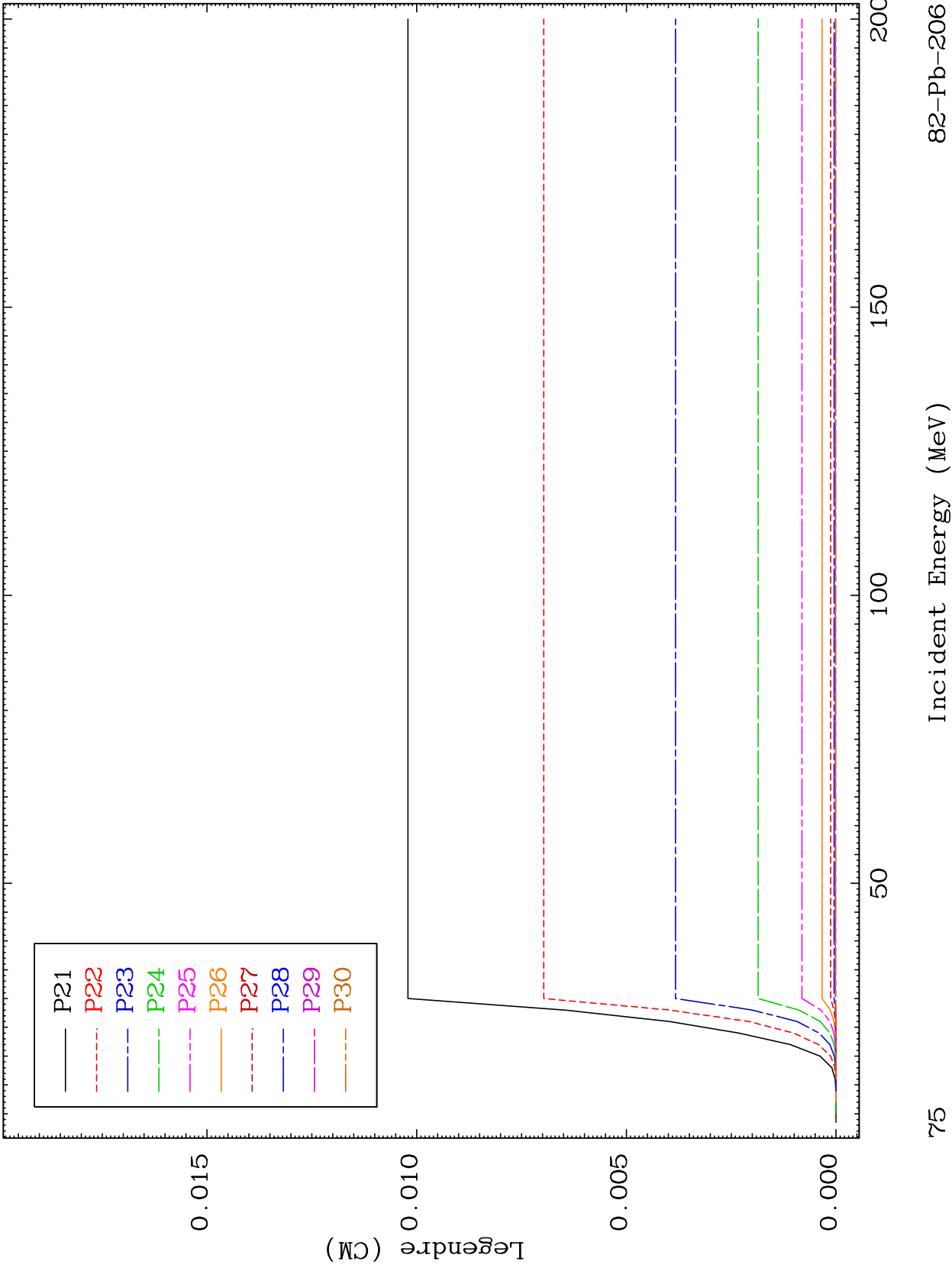
Incident Energy (MeV)

82-Pb-206

MAT 8231

MT= 66 (n,n') Level  
Legendre Coefficients

82-Pb-206



75

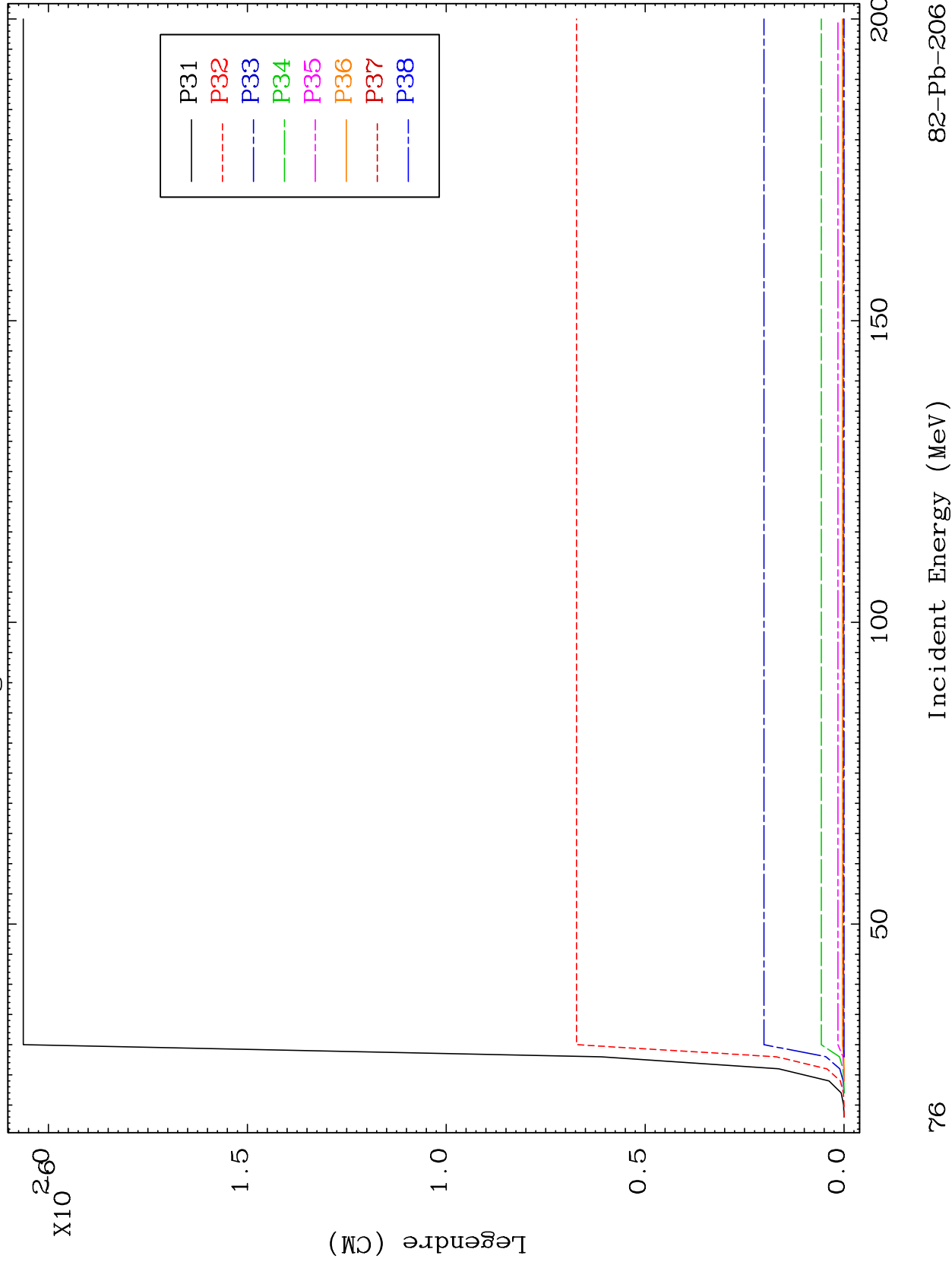
Incident Energy (MeV)

82-Pb-206

MAT 8231

MT= 66 (n,n') Level  
Legendre Coefficients

82-Pb-206



76

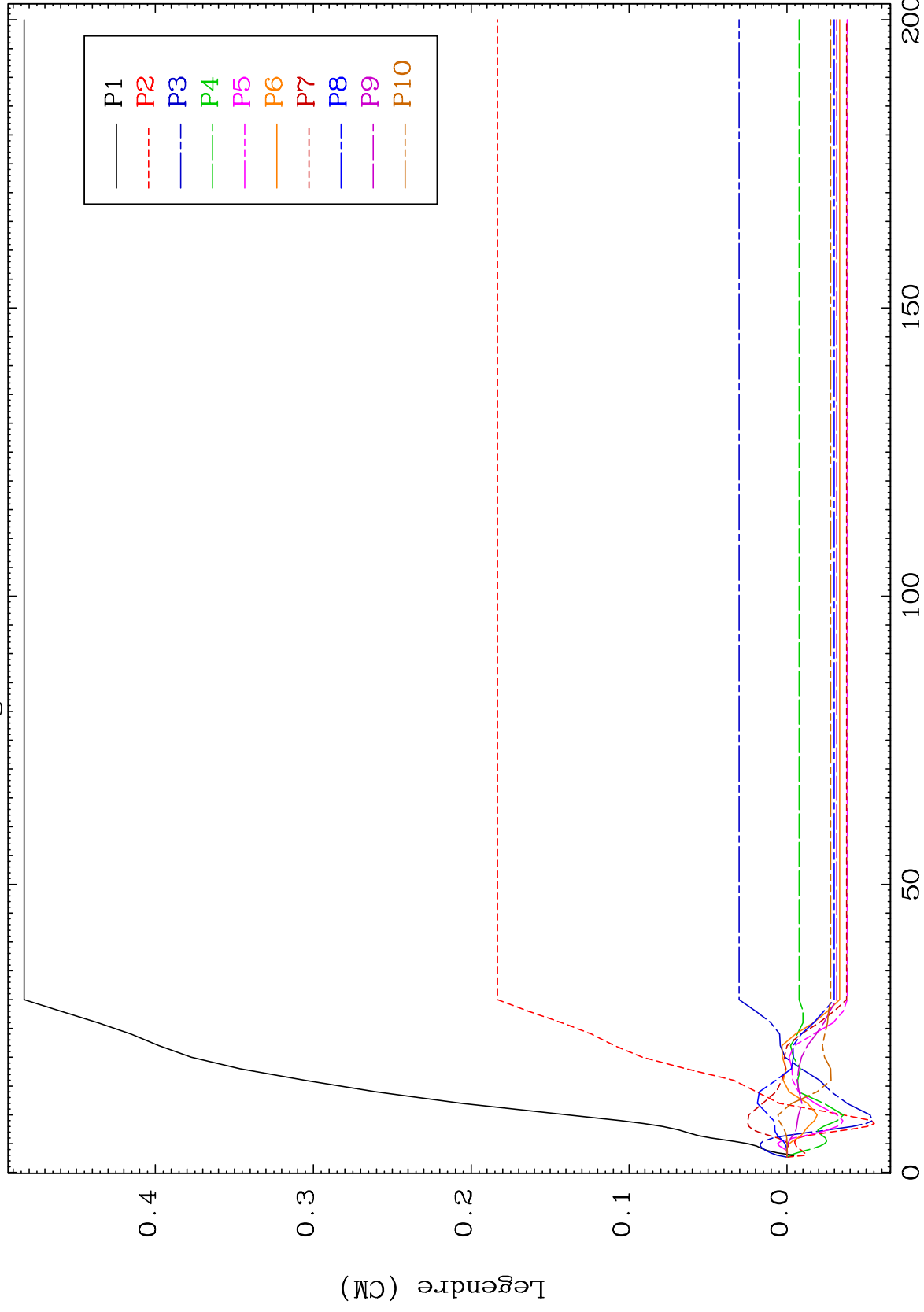
Incident Energy (MeV)

82-Pb-206

MAT 8231

MT= 67 (n,n') Level  
Legendre Coefficients

82-Pb-206



77

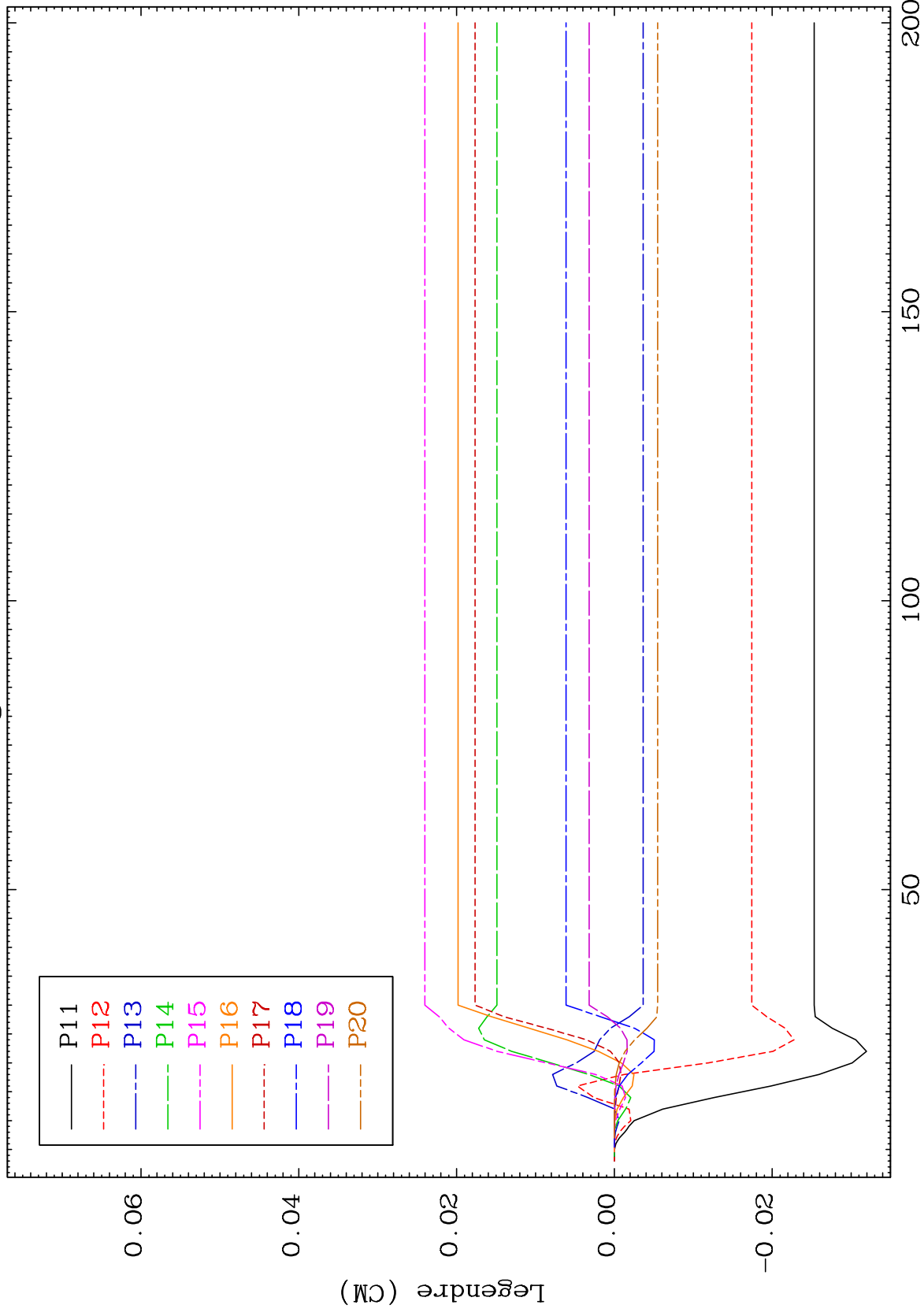
Incident Energy (MeV)

82-Pb-206

MAT 8231

MT= 67 (n,n') Level  
Legendre Coefficients

82-Pb-206



78

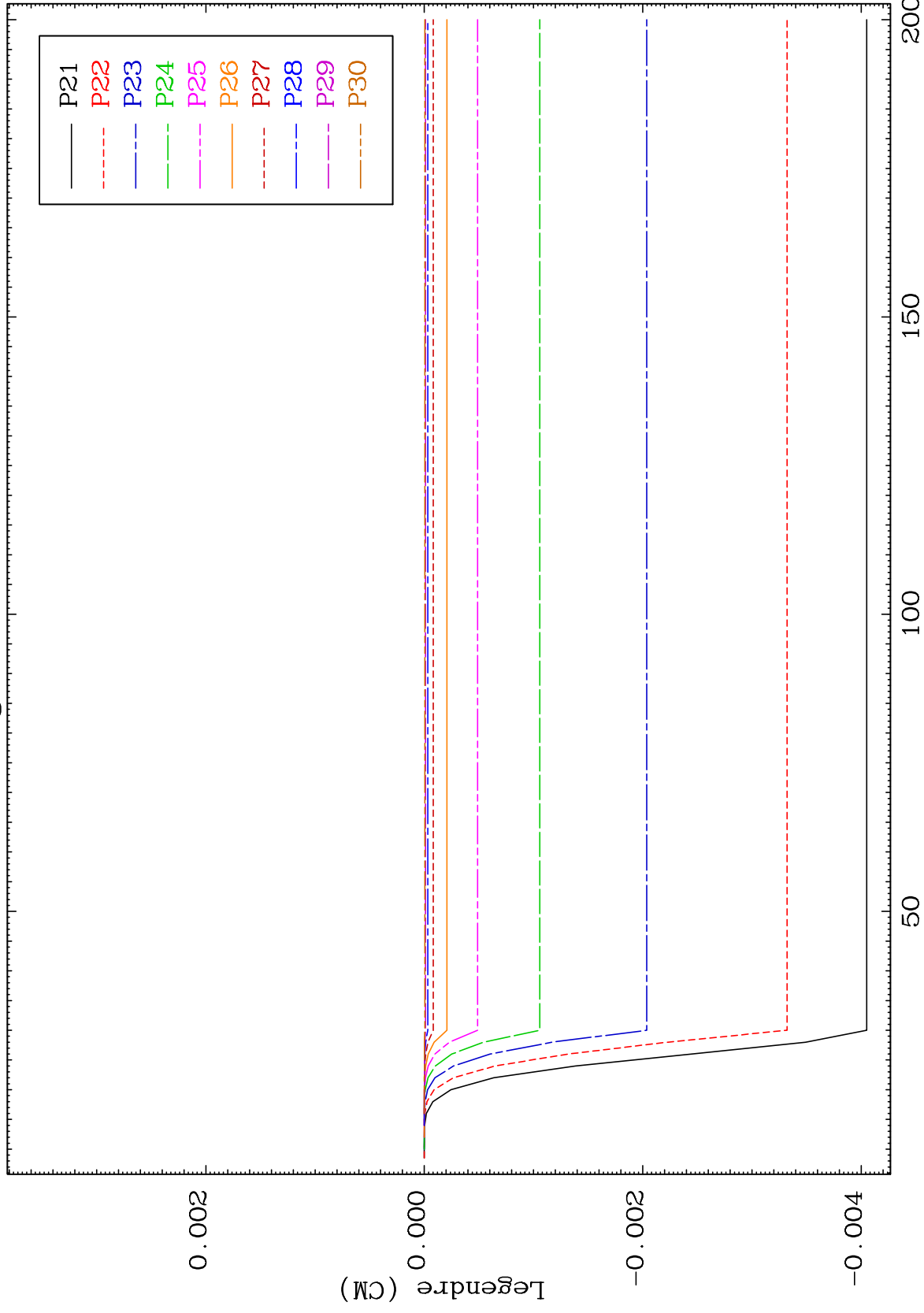
Incident Energy (MeV)

82-Pb-206

MAT 8231

MT= 67 (n,n') Level  
Legendre Coefficients

82-Pb-206



79

Incident Energy (MeV)

82-Pb-206

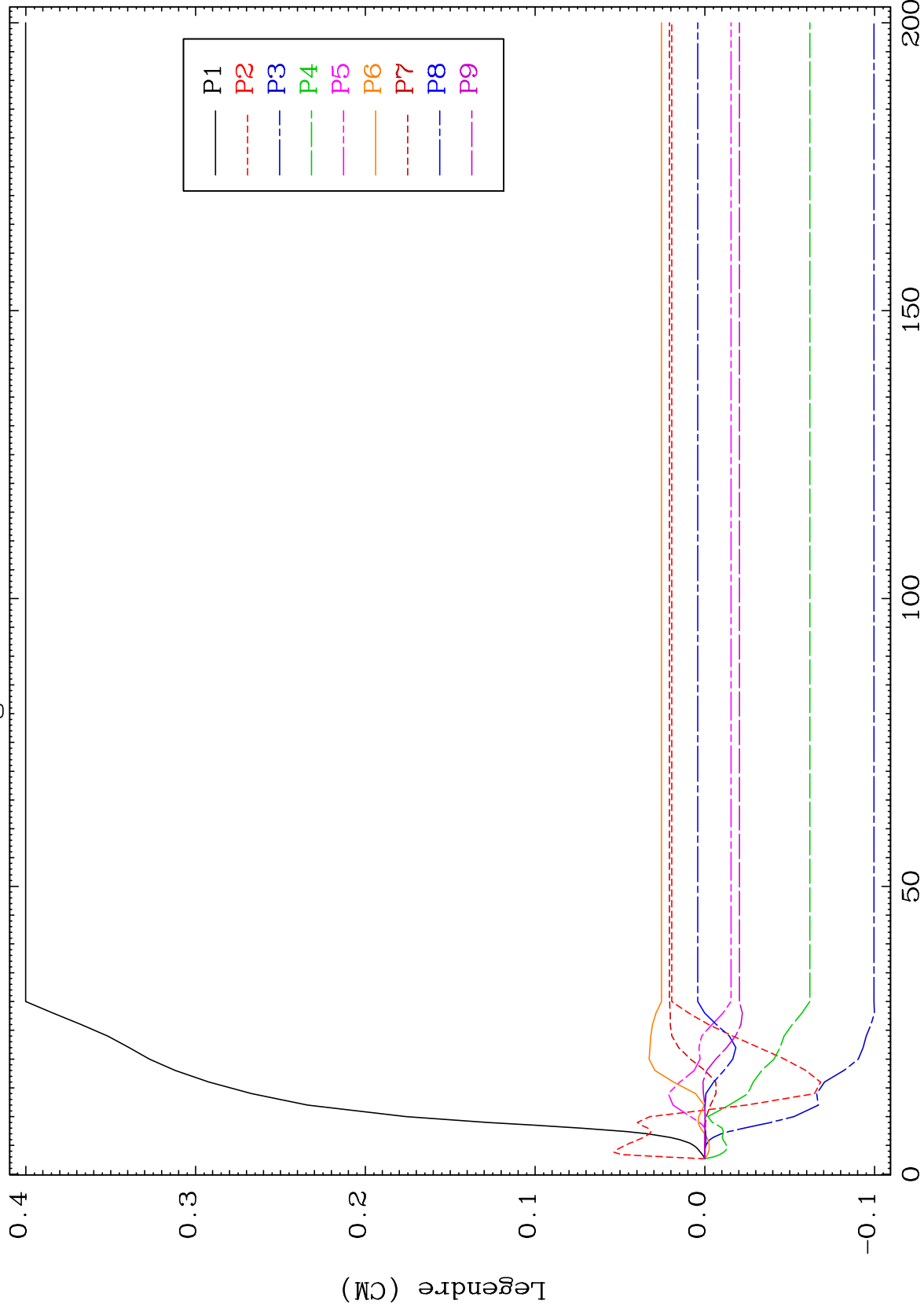




MAT 8231

MT= 68 (n,n') Level  
Legendre Coefficients

82-Pb-206



81

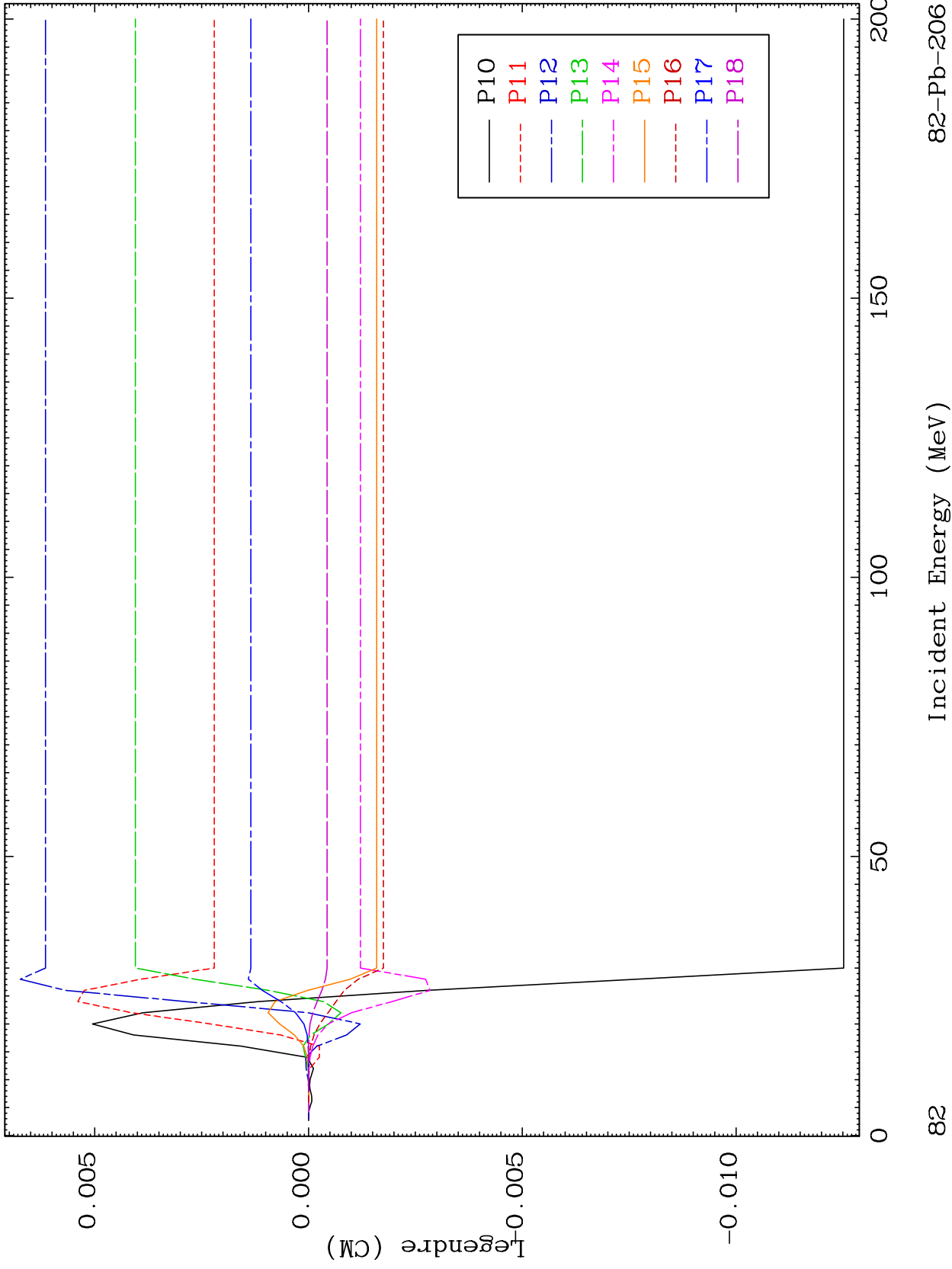
Incident Energy (MeV)

82-Pb-206

MAT 8231

MT= 68 (n,n') Level  
Legendre Coefficients

82-Pb-206



82

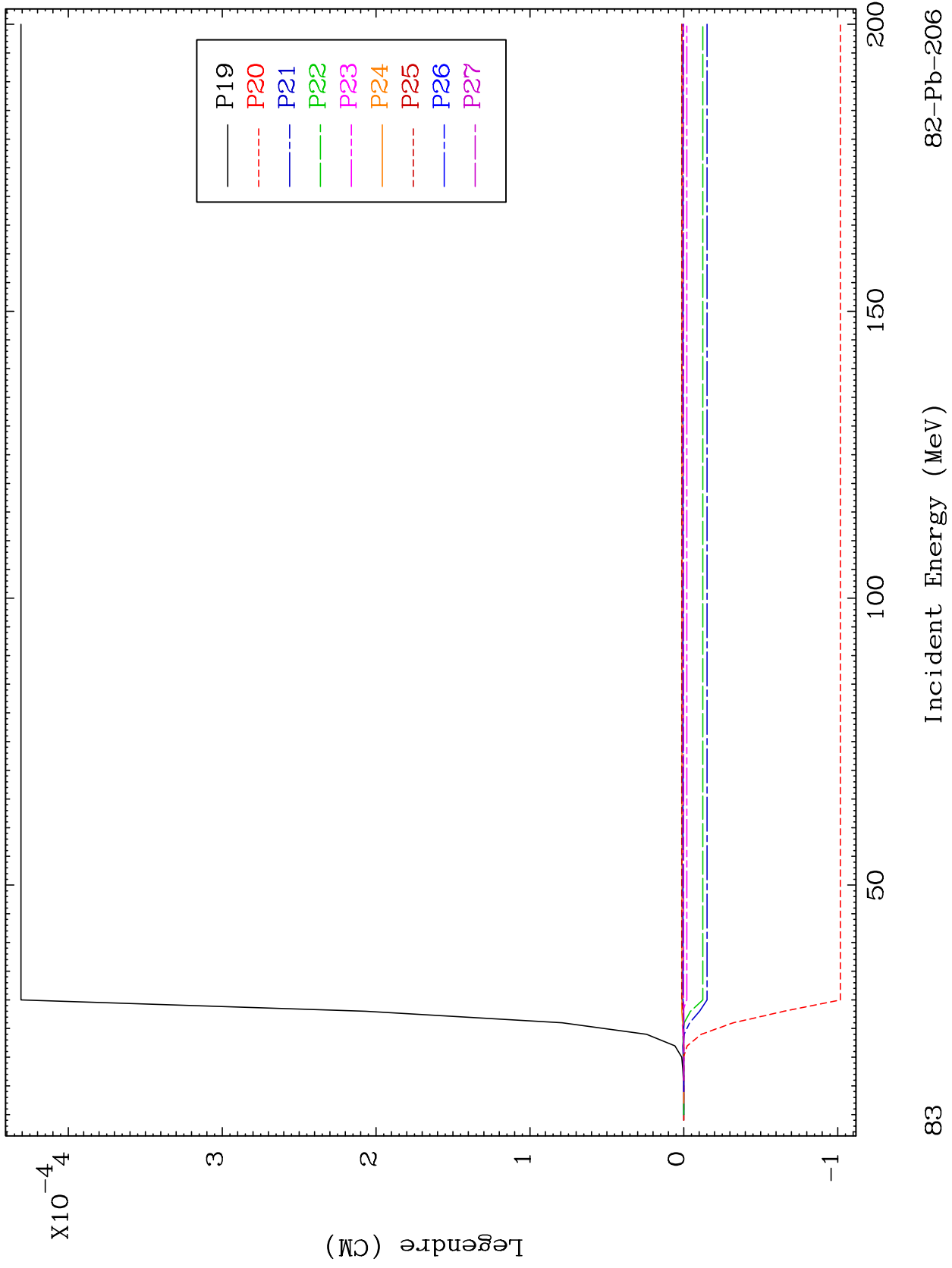
Incident Energy (MeV)

82-Pb-206

MAT 8231

MT= 68 (n,n') Level  
Legendre Coefficients

82-Pb-206



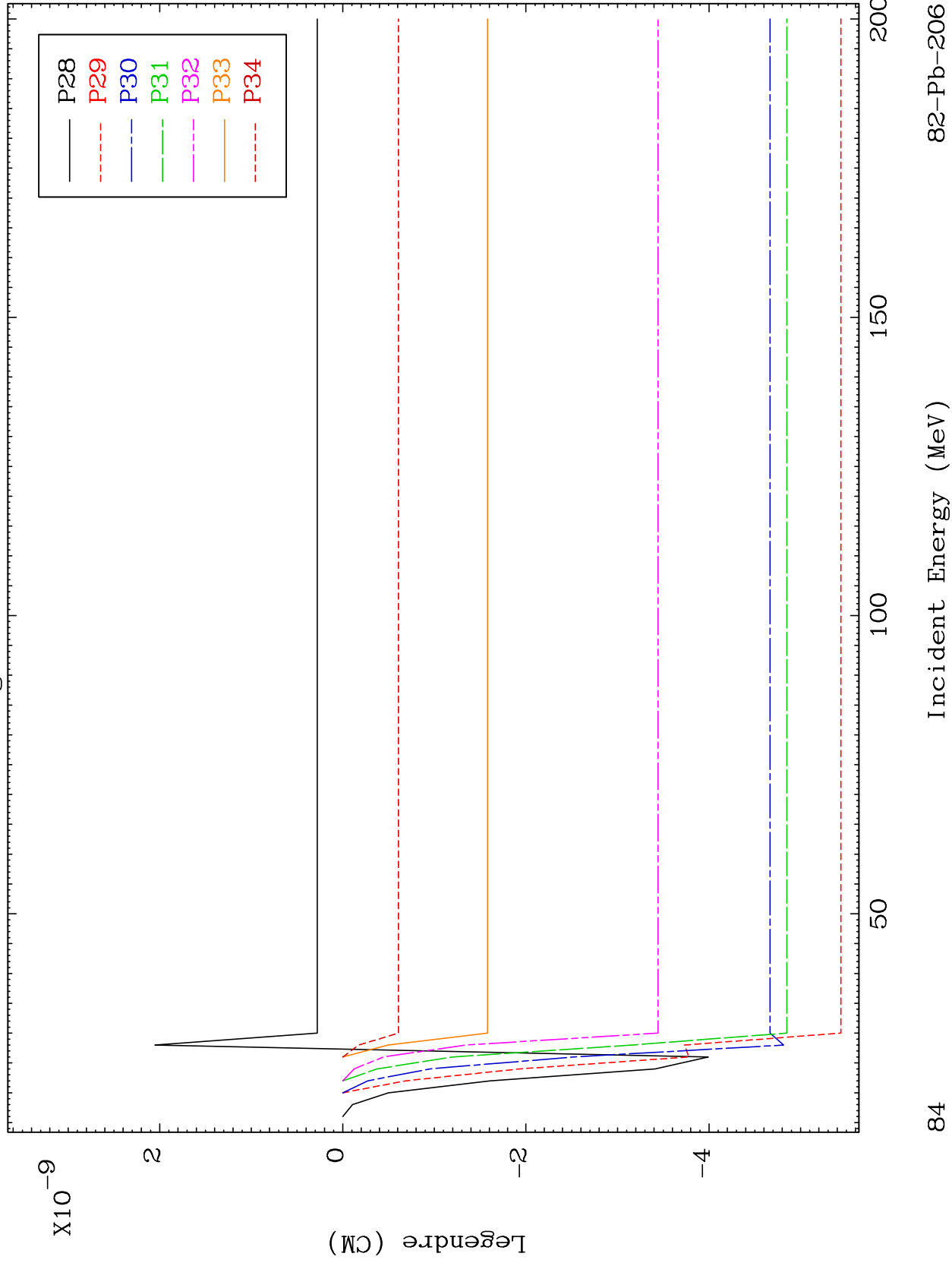
83

82-Pb-206

MAT 8231

MT= 68 (n,n') Level  
Legendre Coefficients

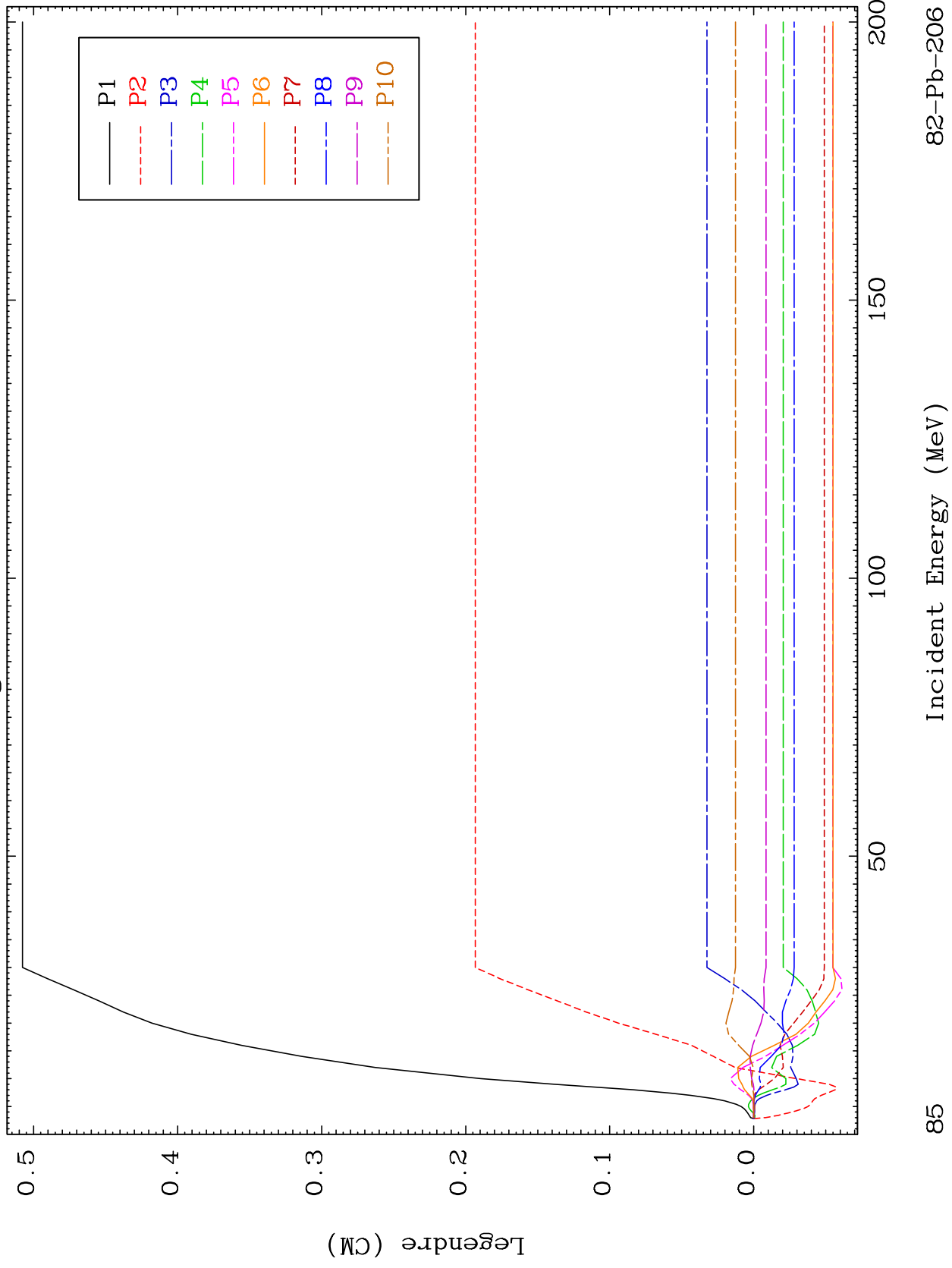
82-Pb-206



MAT 8231

MT= 69 (n,n') Level  
Legendre Coefficients

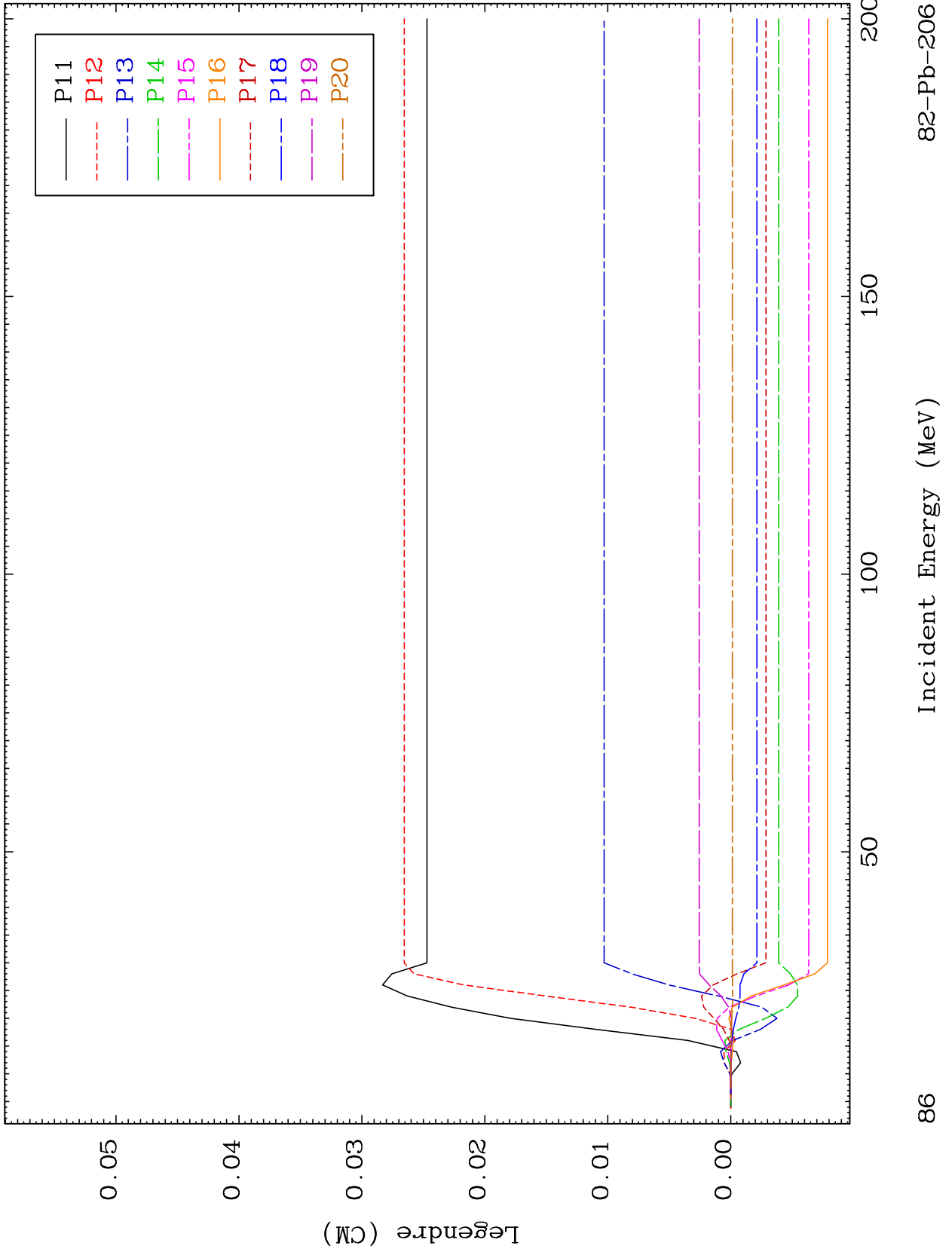
82-Pb-206



85

Incident Energy (MeV)

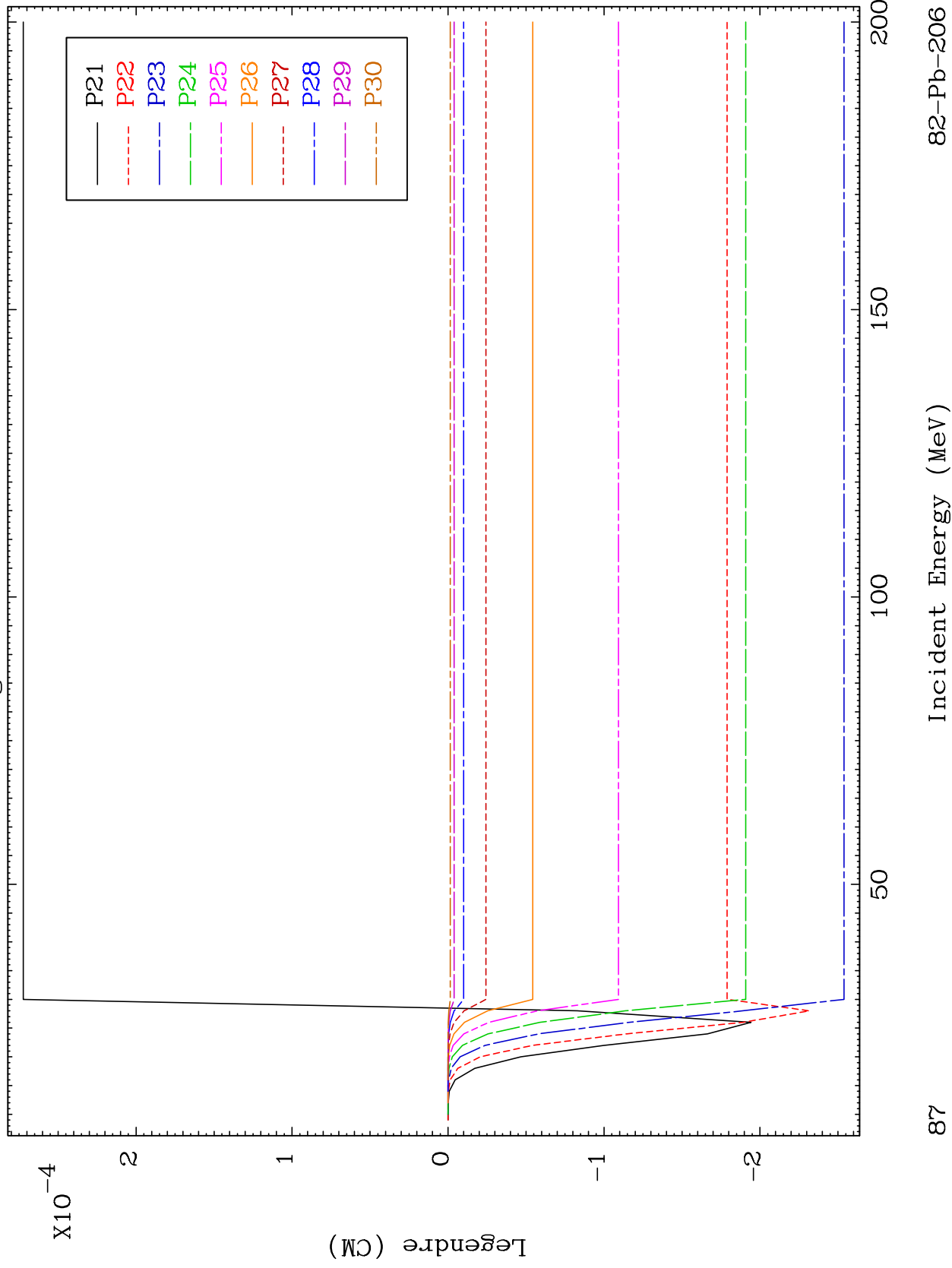
82-Pb-206



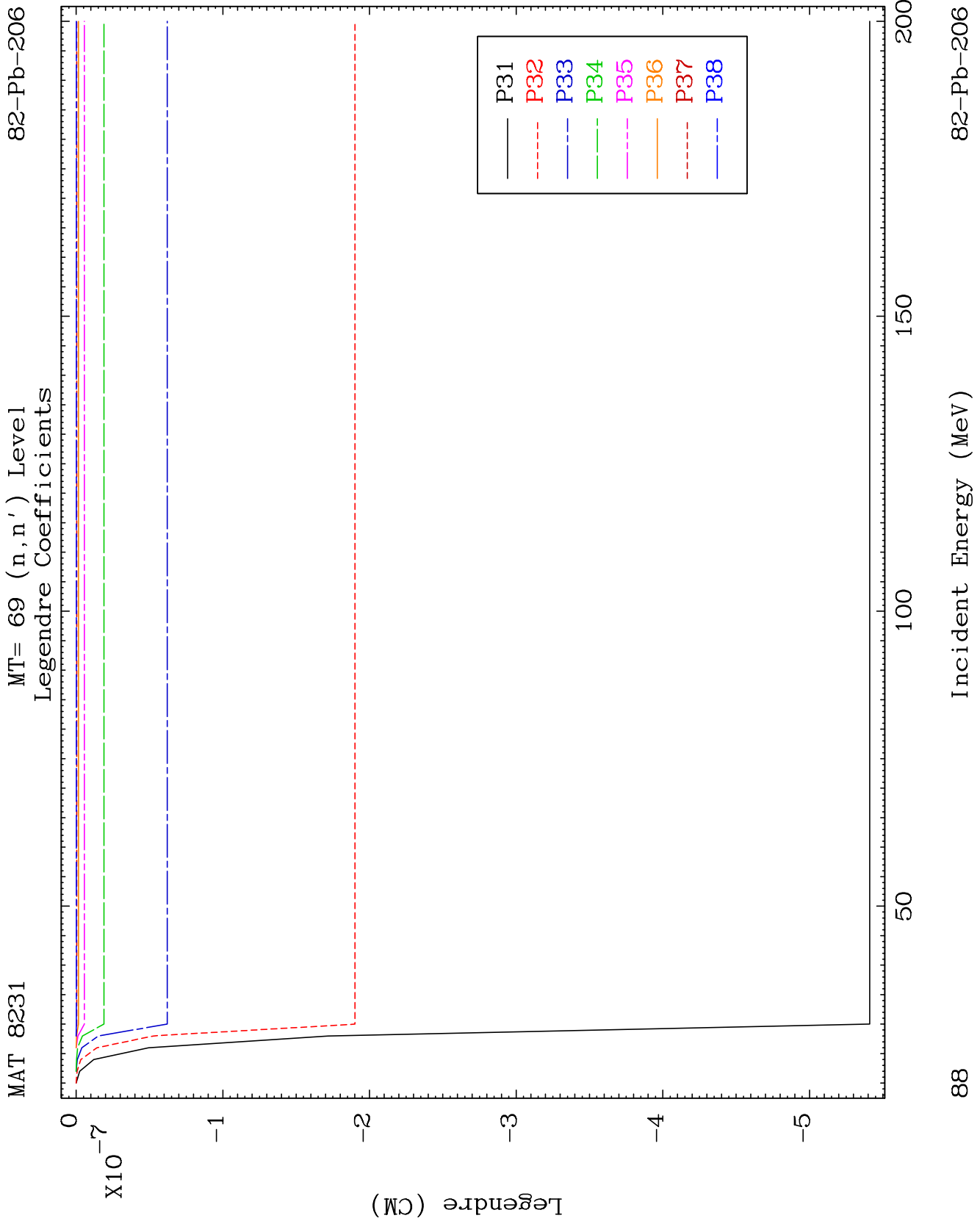
MAT 8231

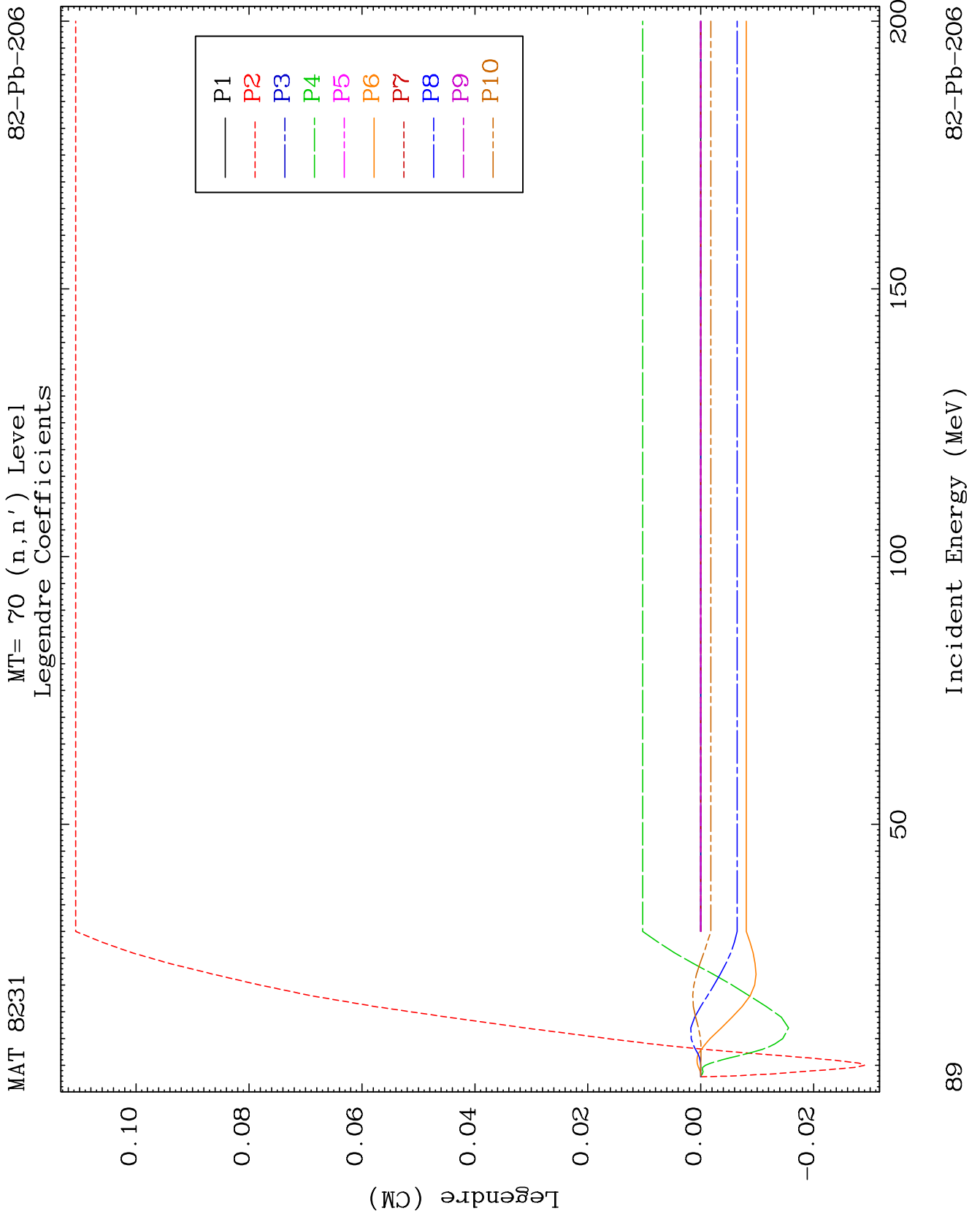
MT= 69 (n,n') Level  
Legendre Coefficients

82-Pb-206





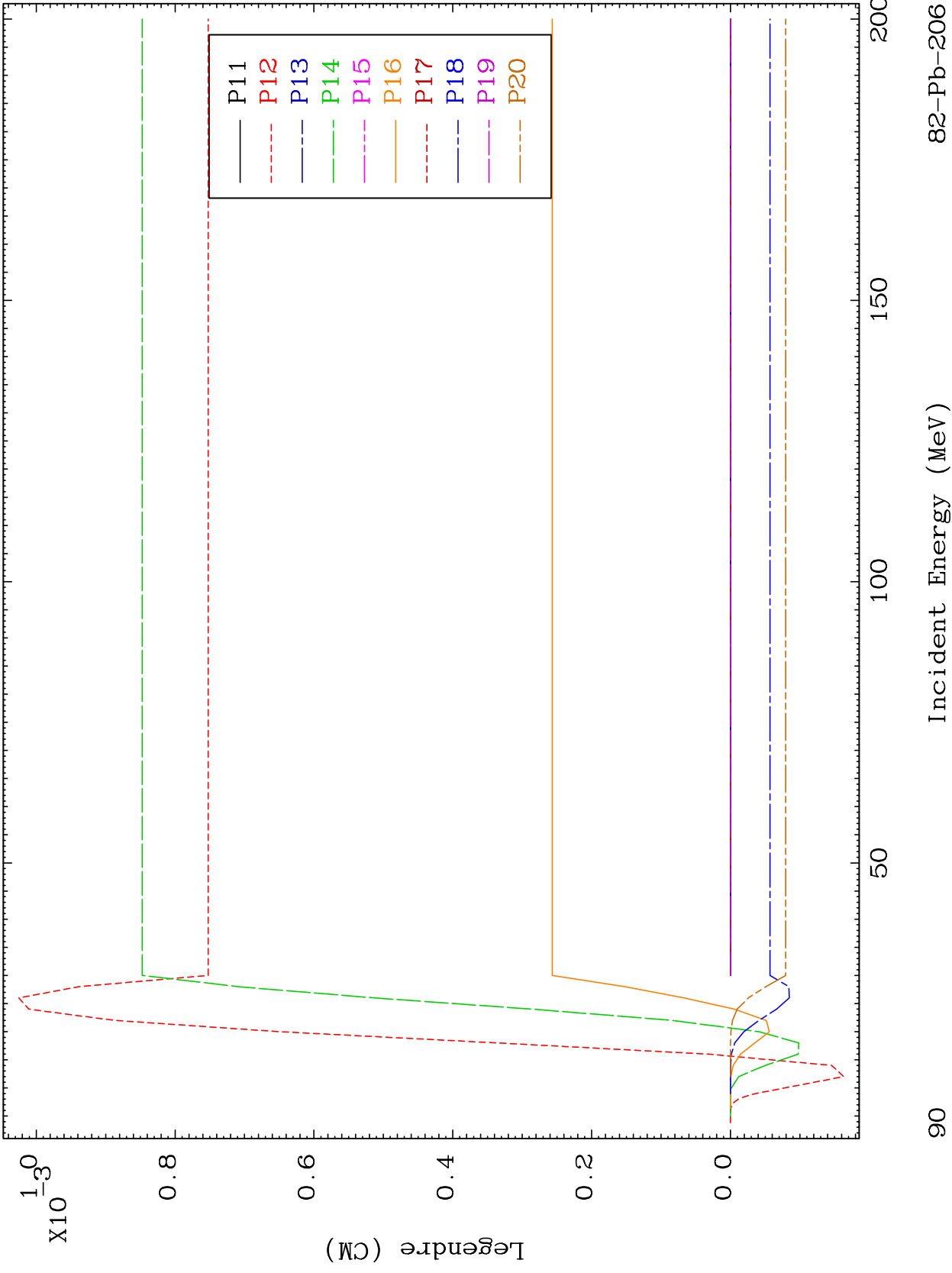




MAT 8231

MT= 70 (n,n') Level  
Legendre Coefficients

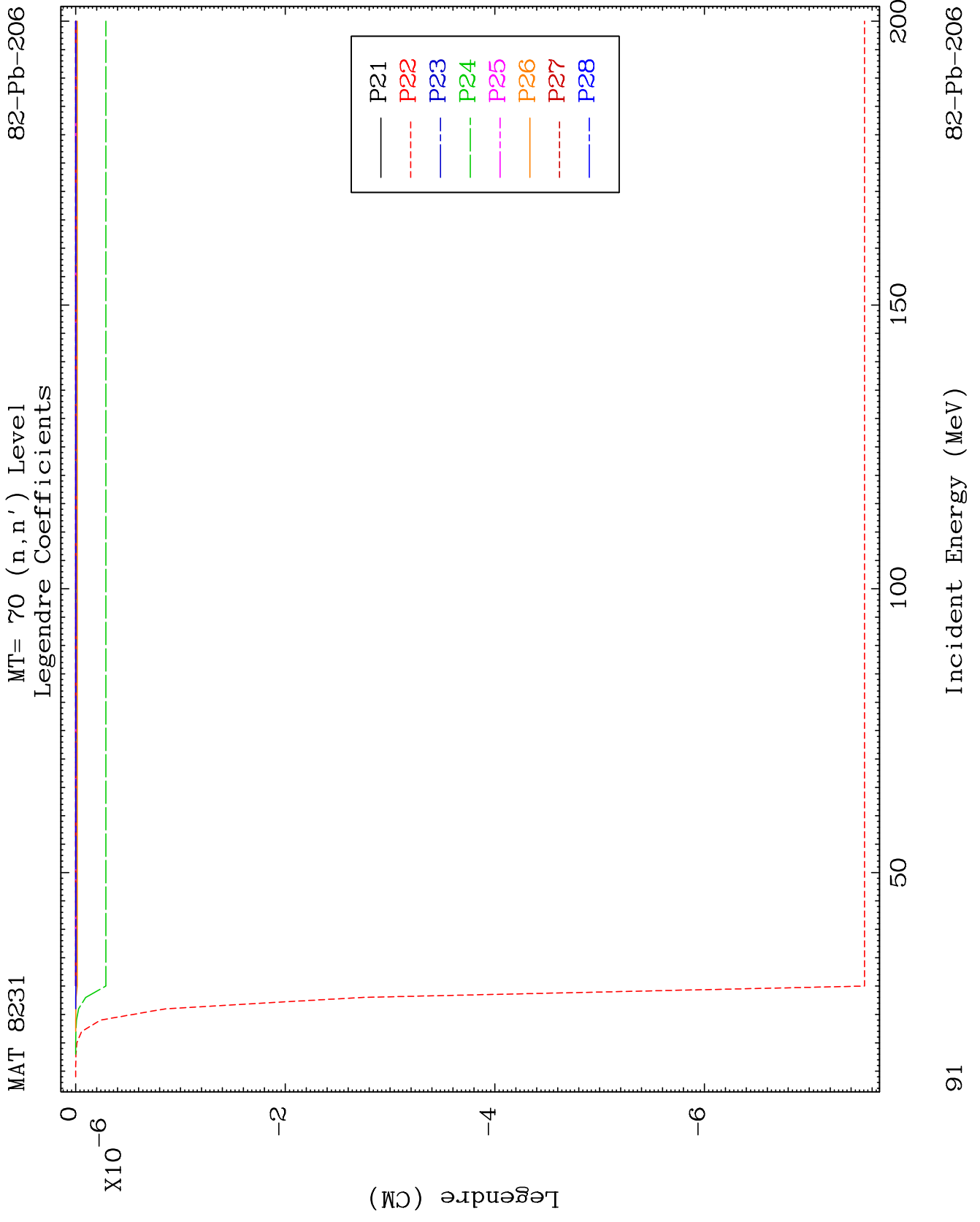
82-Pb-206



90

Incident Energy (MeV)

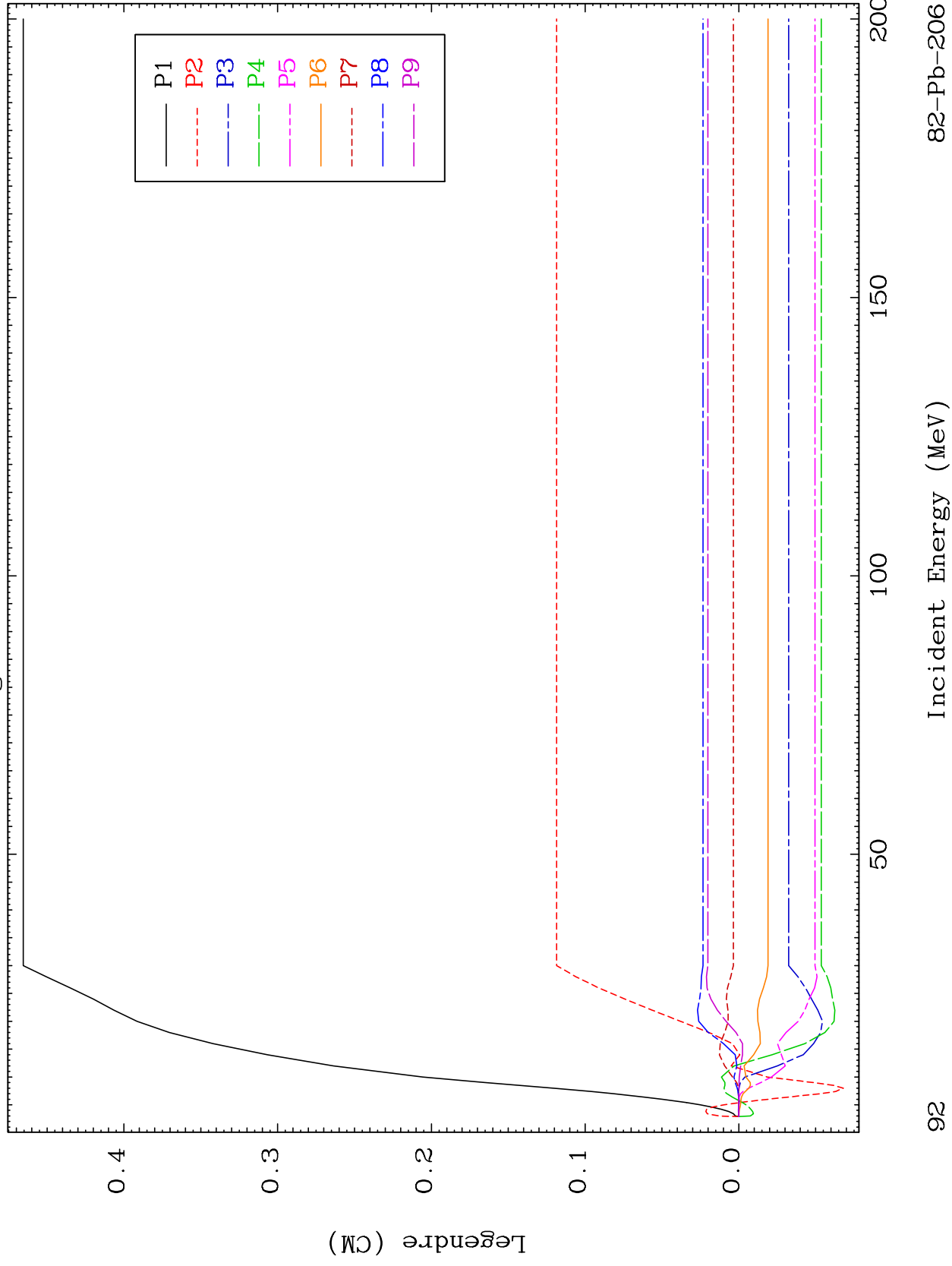
82-Pb-206



MAT 8231

MT= 71 (n,n') Level  
Legendre Coefficients

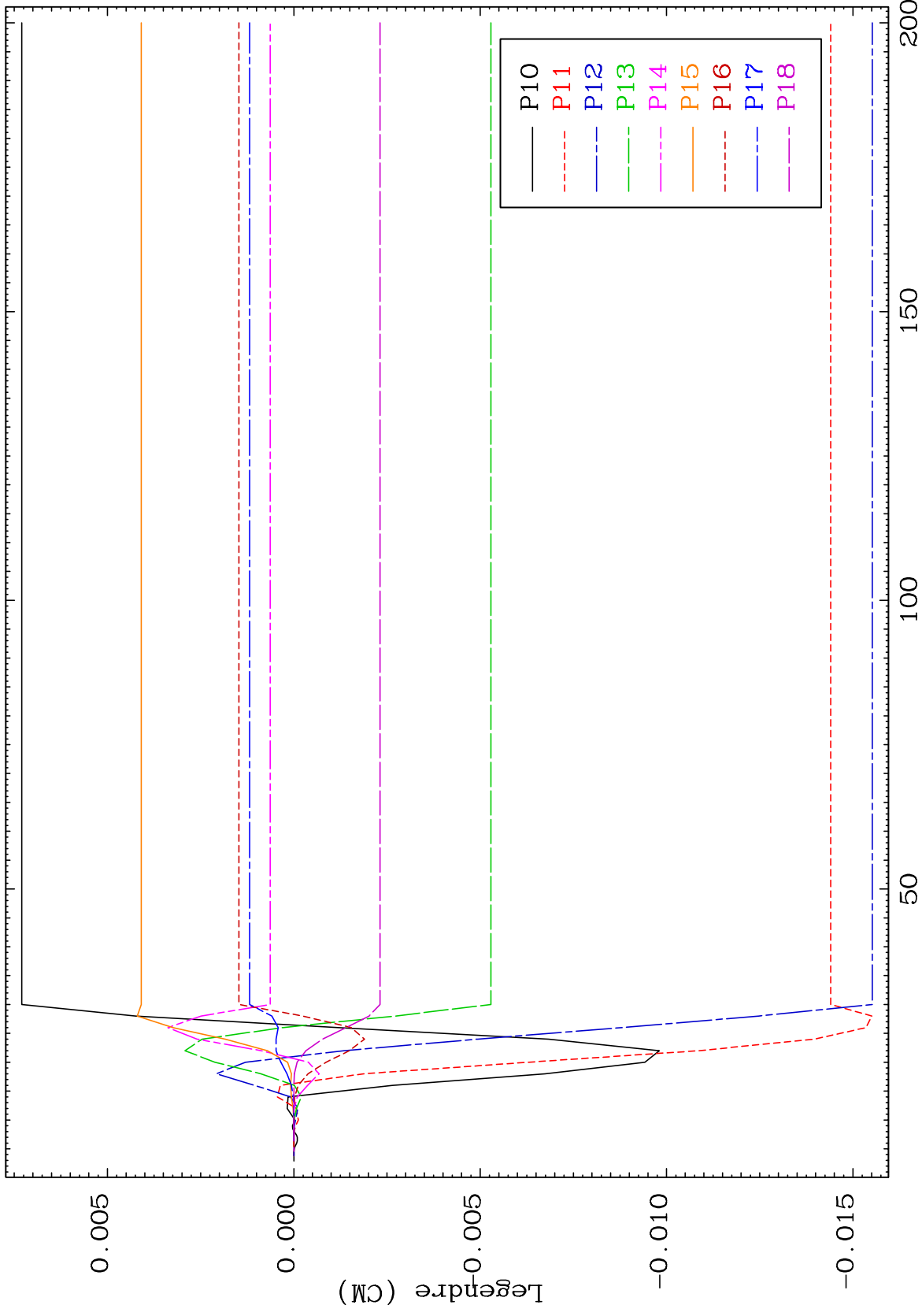
82-Pb-206

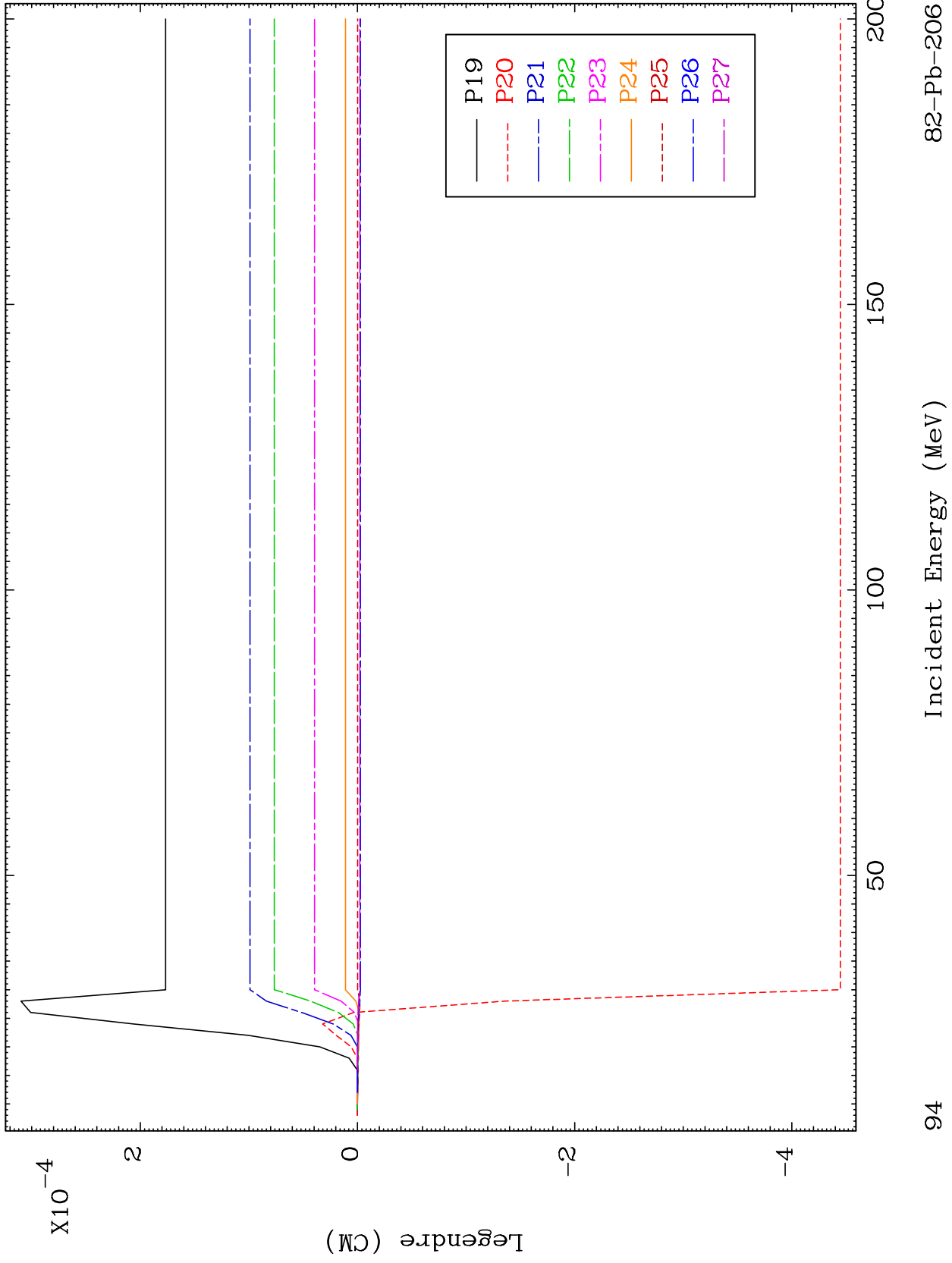


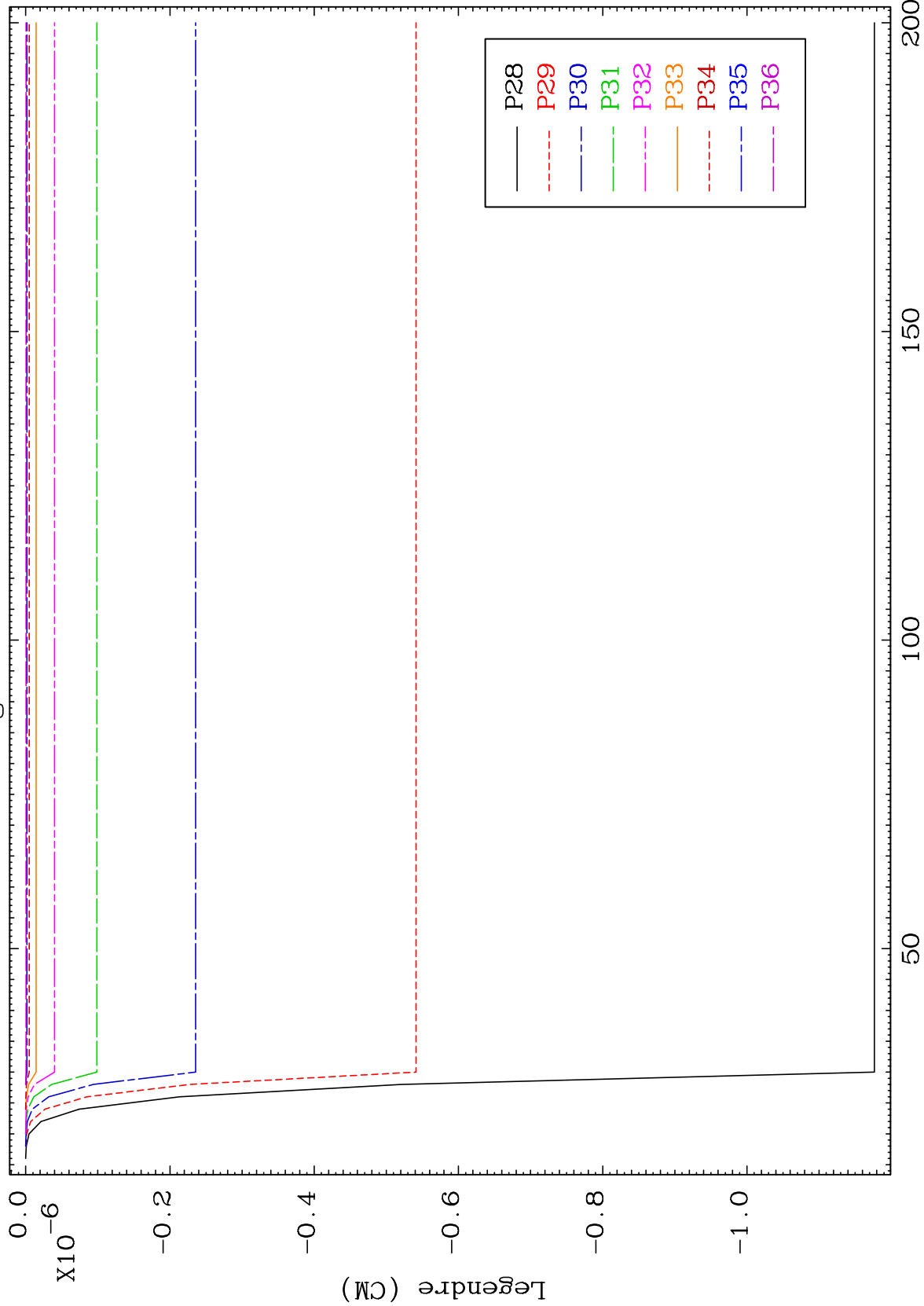
MAT 8231

MT= 71 (n,n') Level  
Legendre Coefficients

82-Pb-206





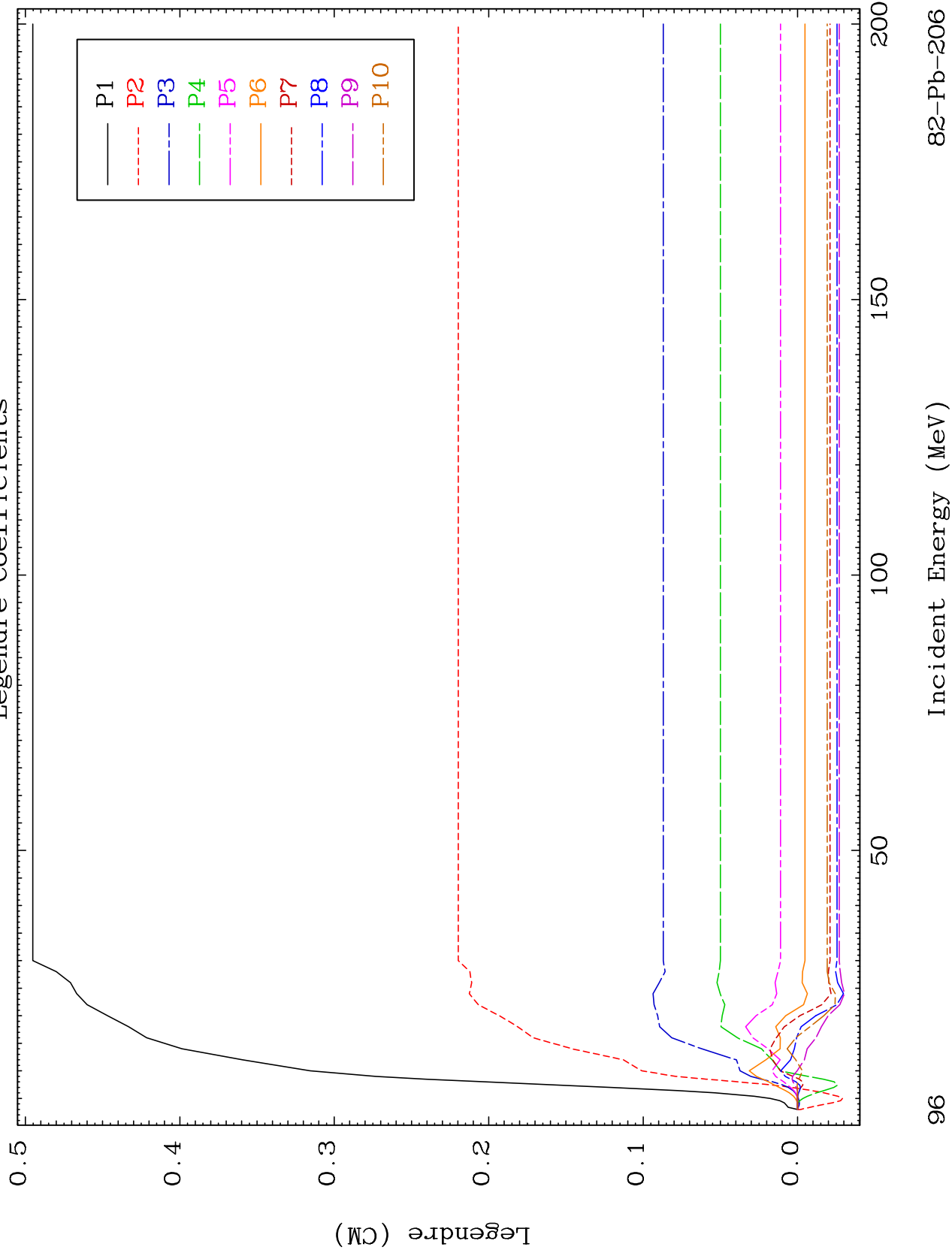




MAT 8231

MT= 72 (n,n') Level  
Legendre Coefficients

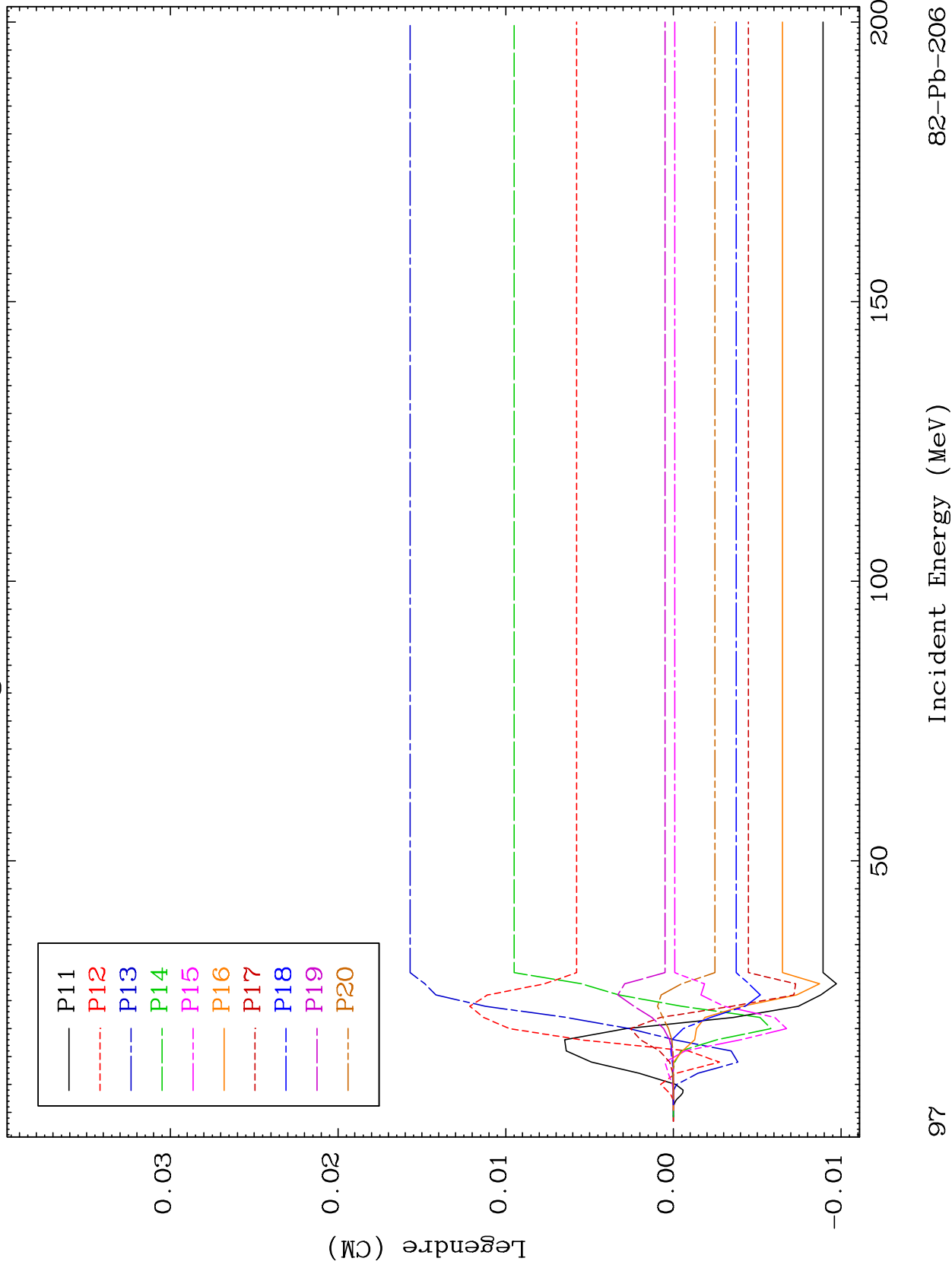
82-Pb-206



MAT 8231

MT= 72 (n,n') Level  
Legendre Coefficients

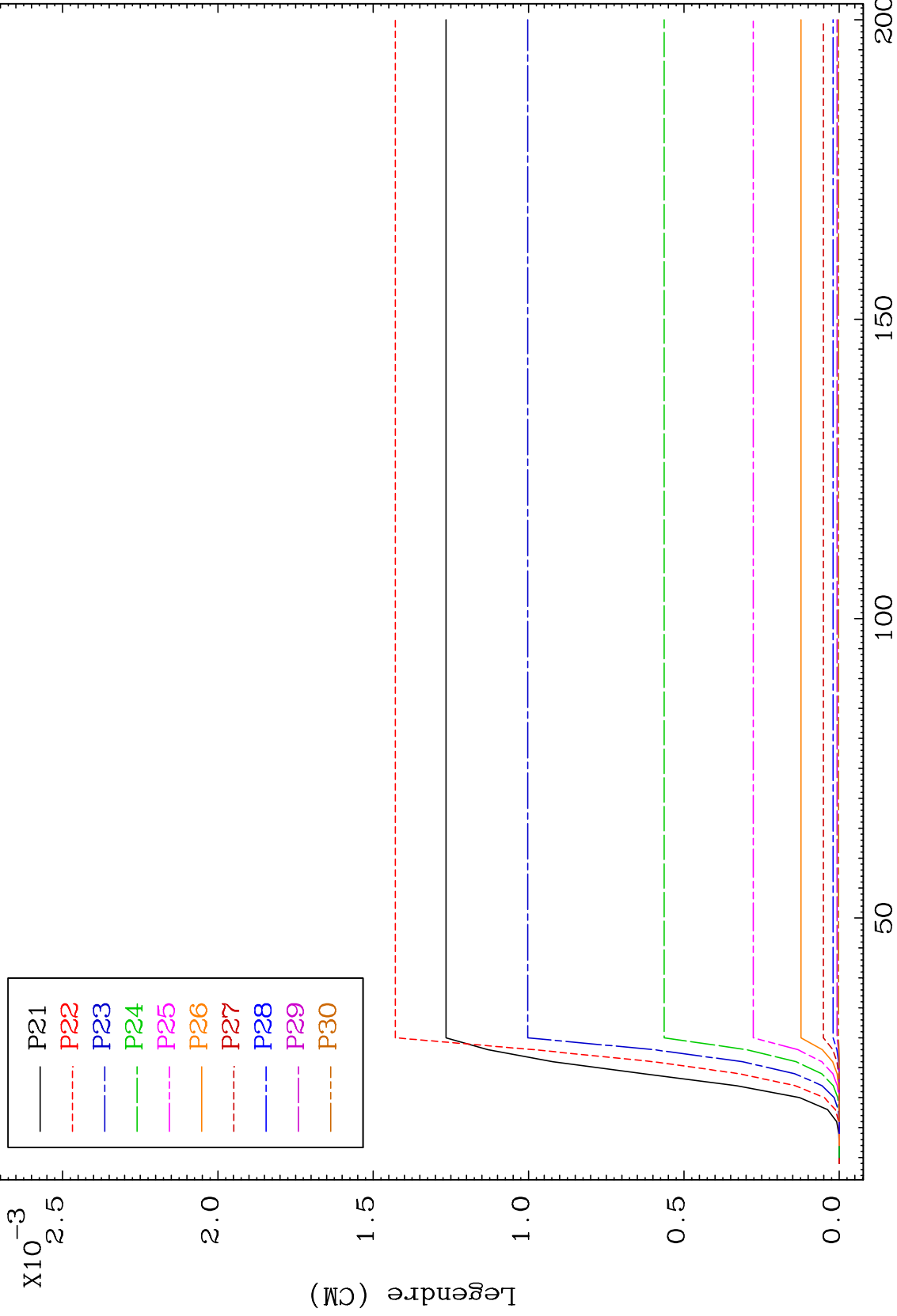
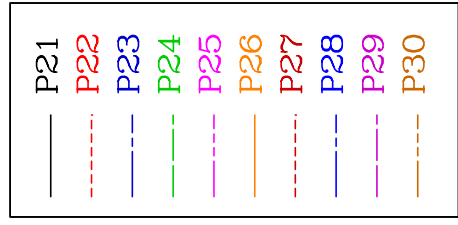
82-Pb-206



97

Incident Energy (MeV)

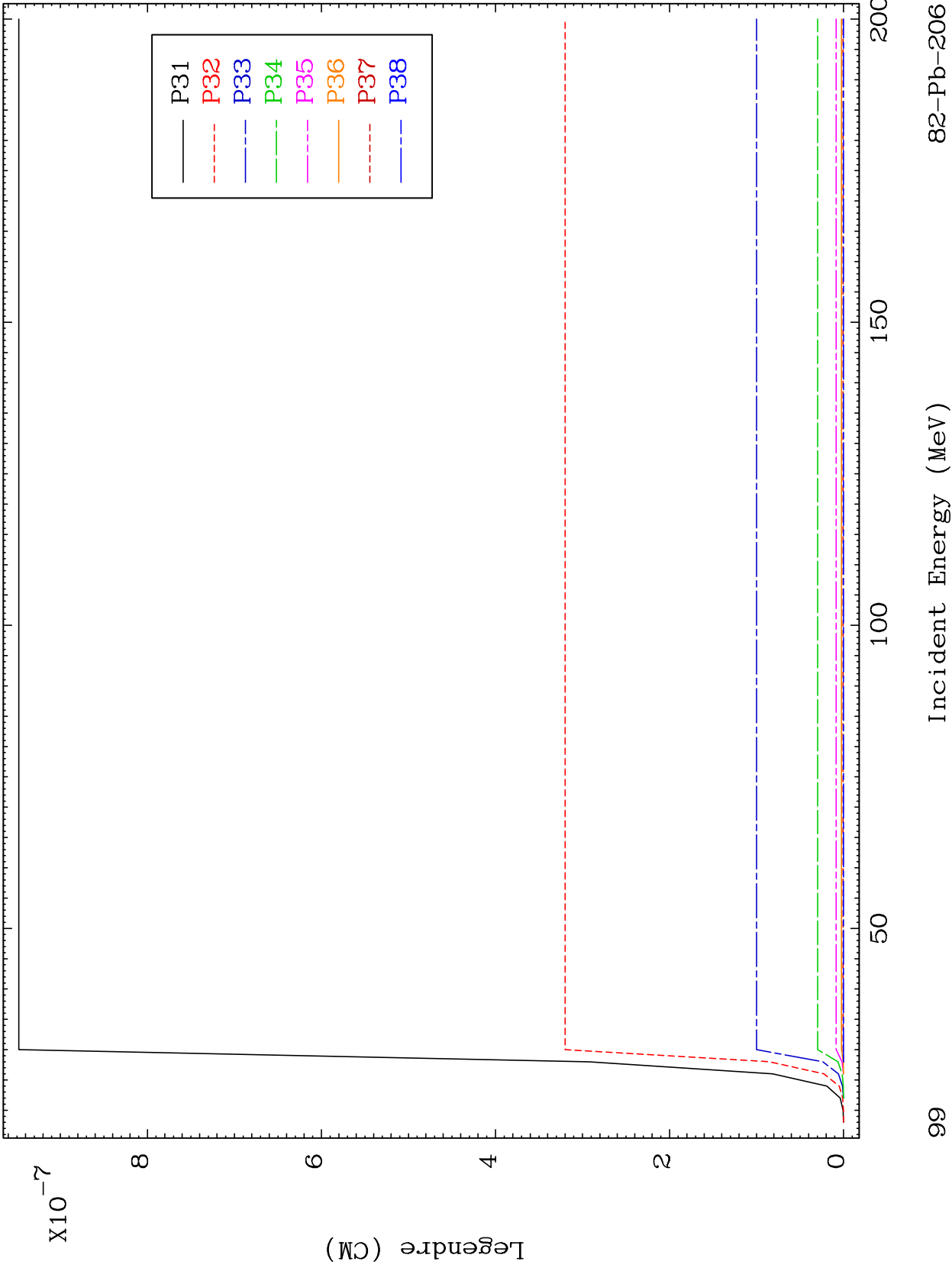
82-Pb-206



MAT 8231

MT= 72 (n,n') Level  
Legendre Coefficients

82-Pb-206



99

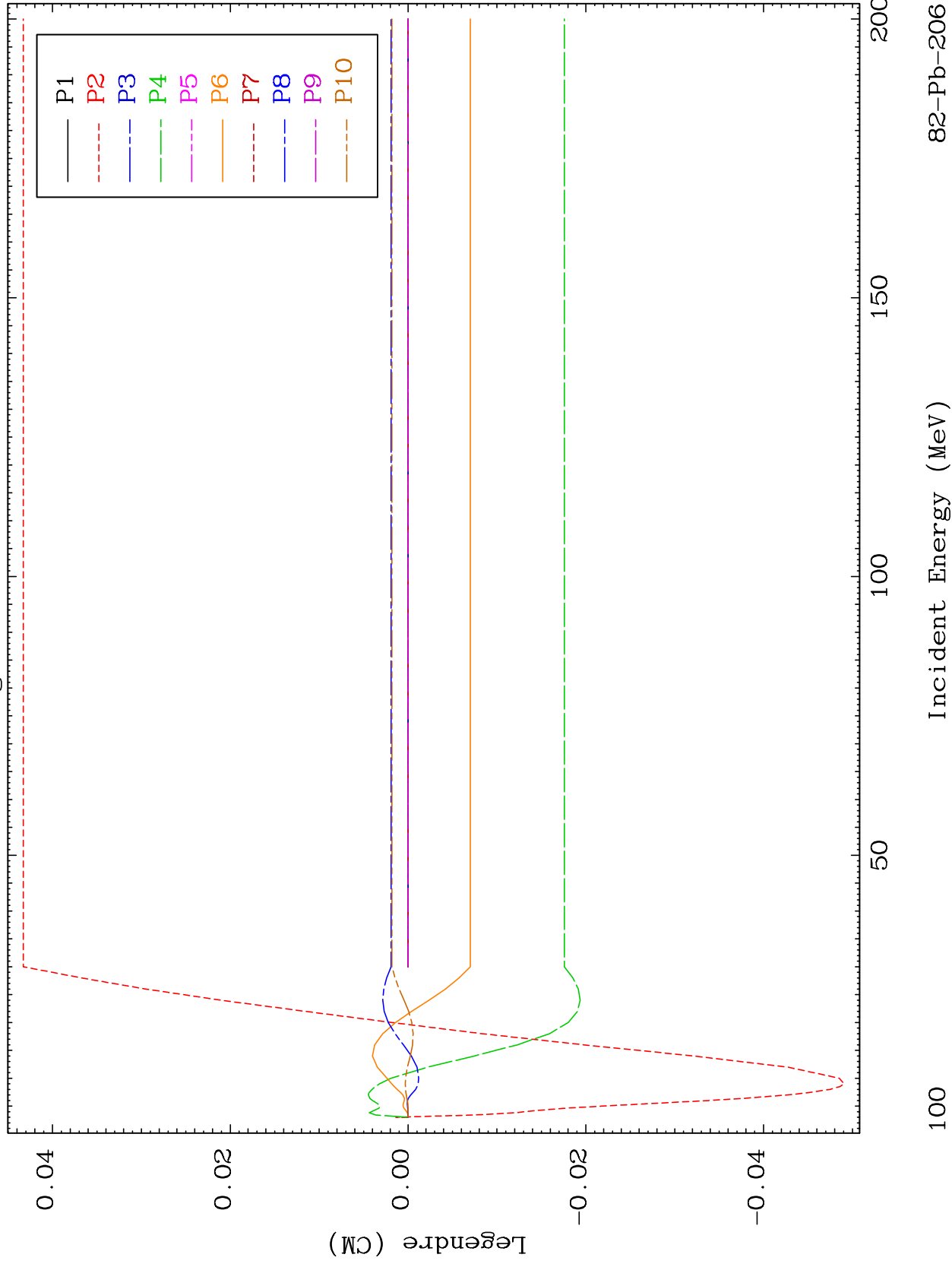
82-Pb-206

MAT 8231

MT= 73 (n,n') Level

82-Pb-206

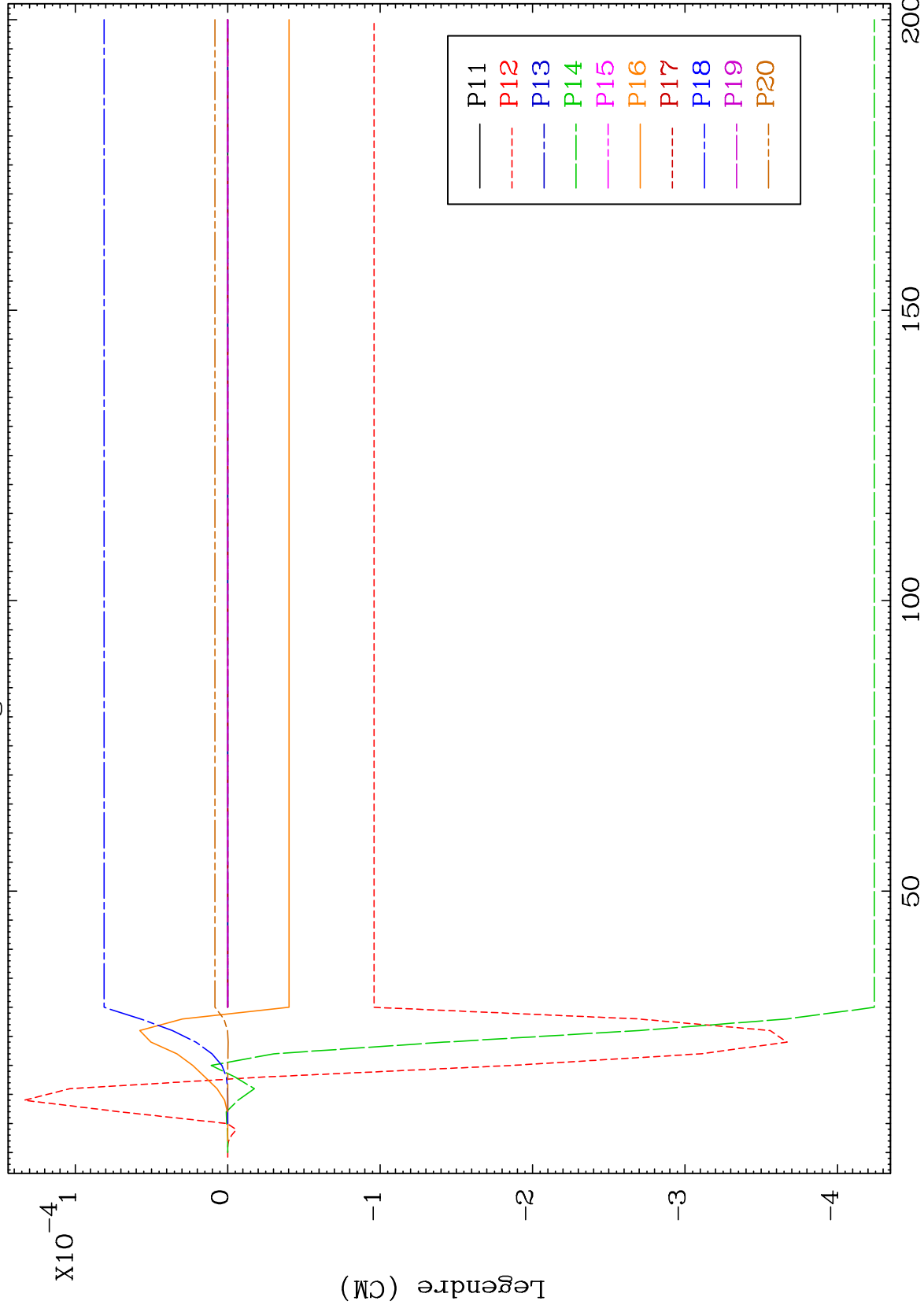
Legendre Coefficients



MAT 8231

MT= 73 (n,n') Level  
Legendre Coefficients

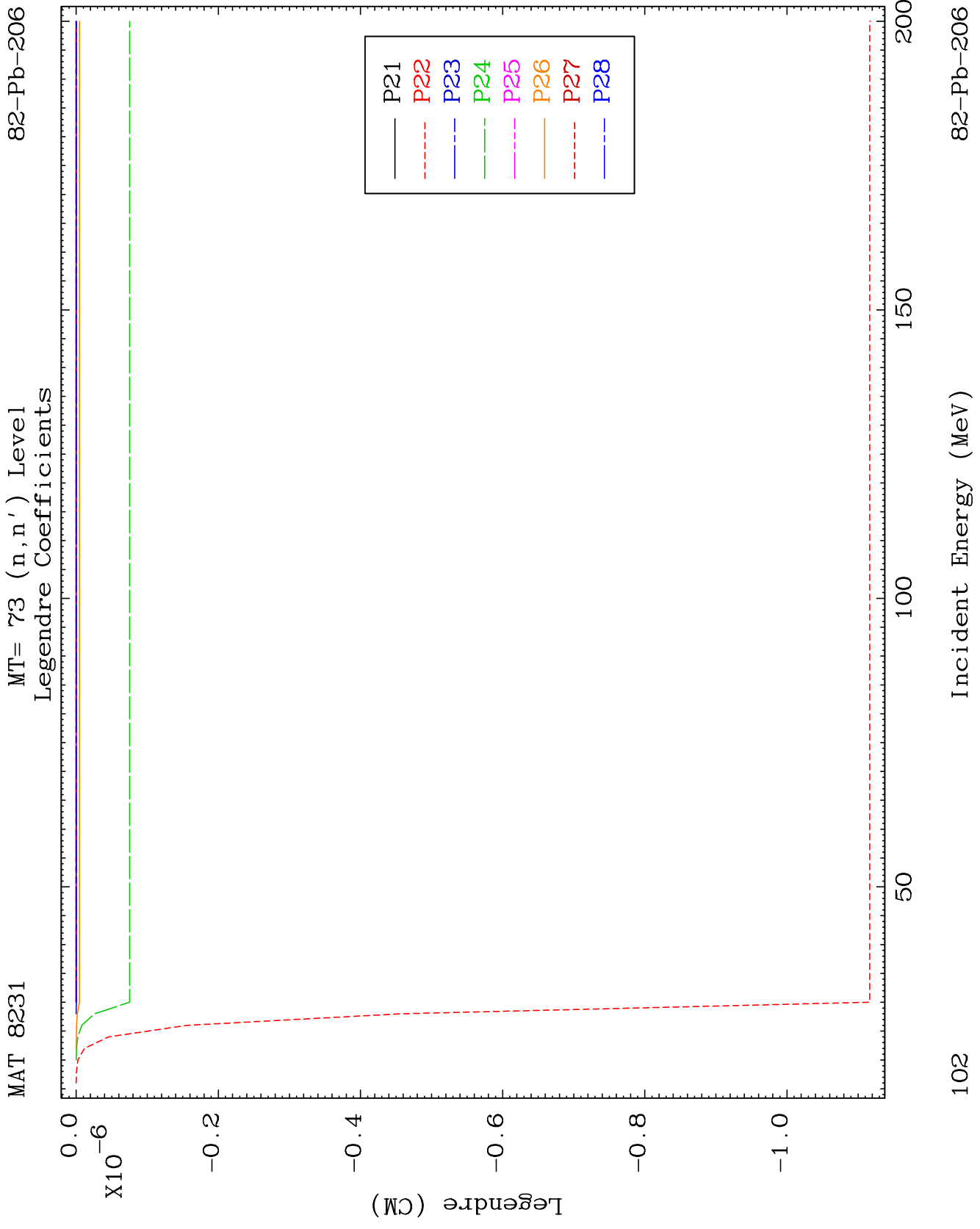
82-Pb-206



101

Incident Energy (MeV)

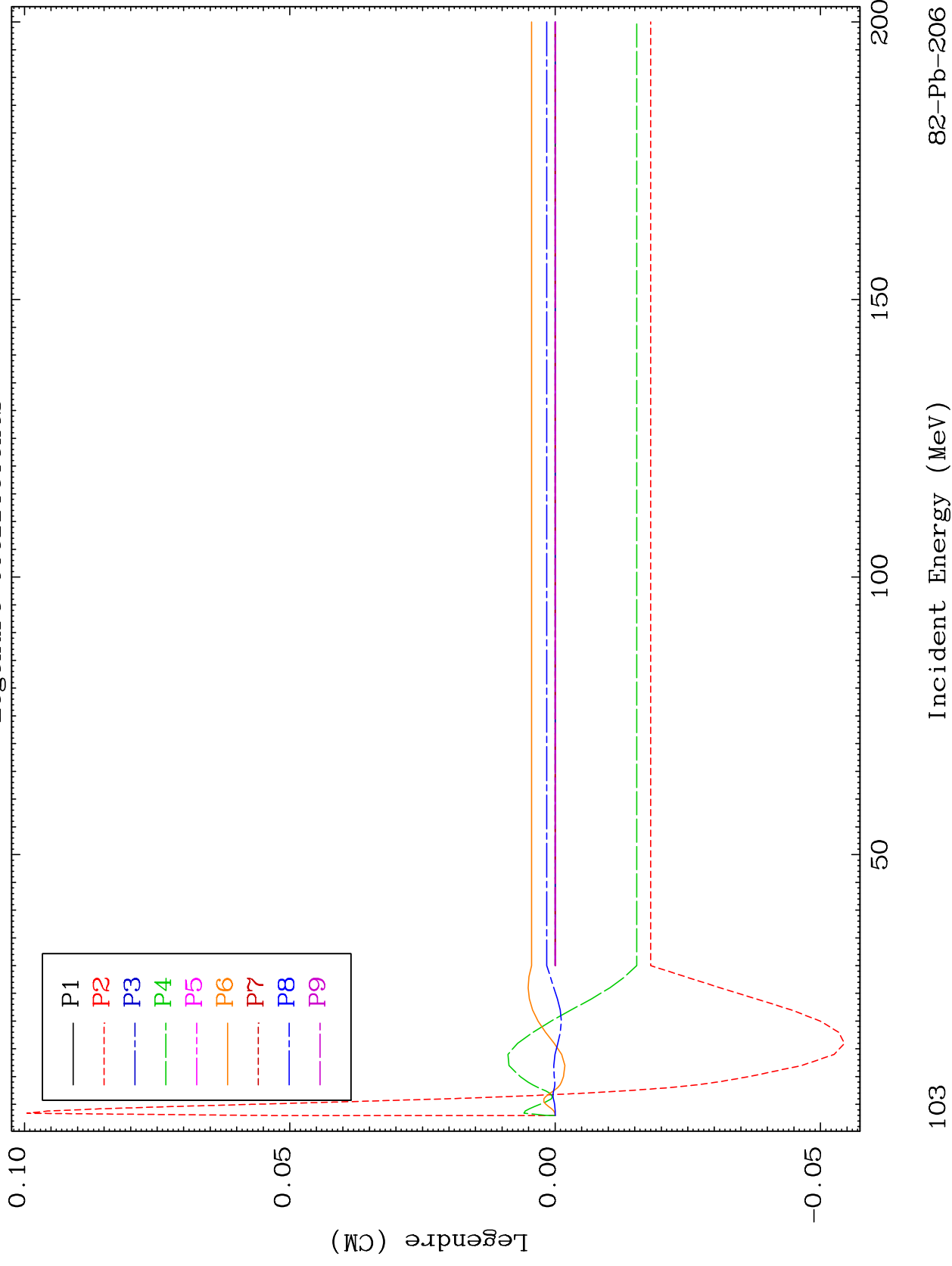
82-Pb-206



MAT 8231

MT= 74 (n,n') Level  
Legendre Coefficients

82-Pb-206



82-Pb-206

Incident Energy (MeV)

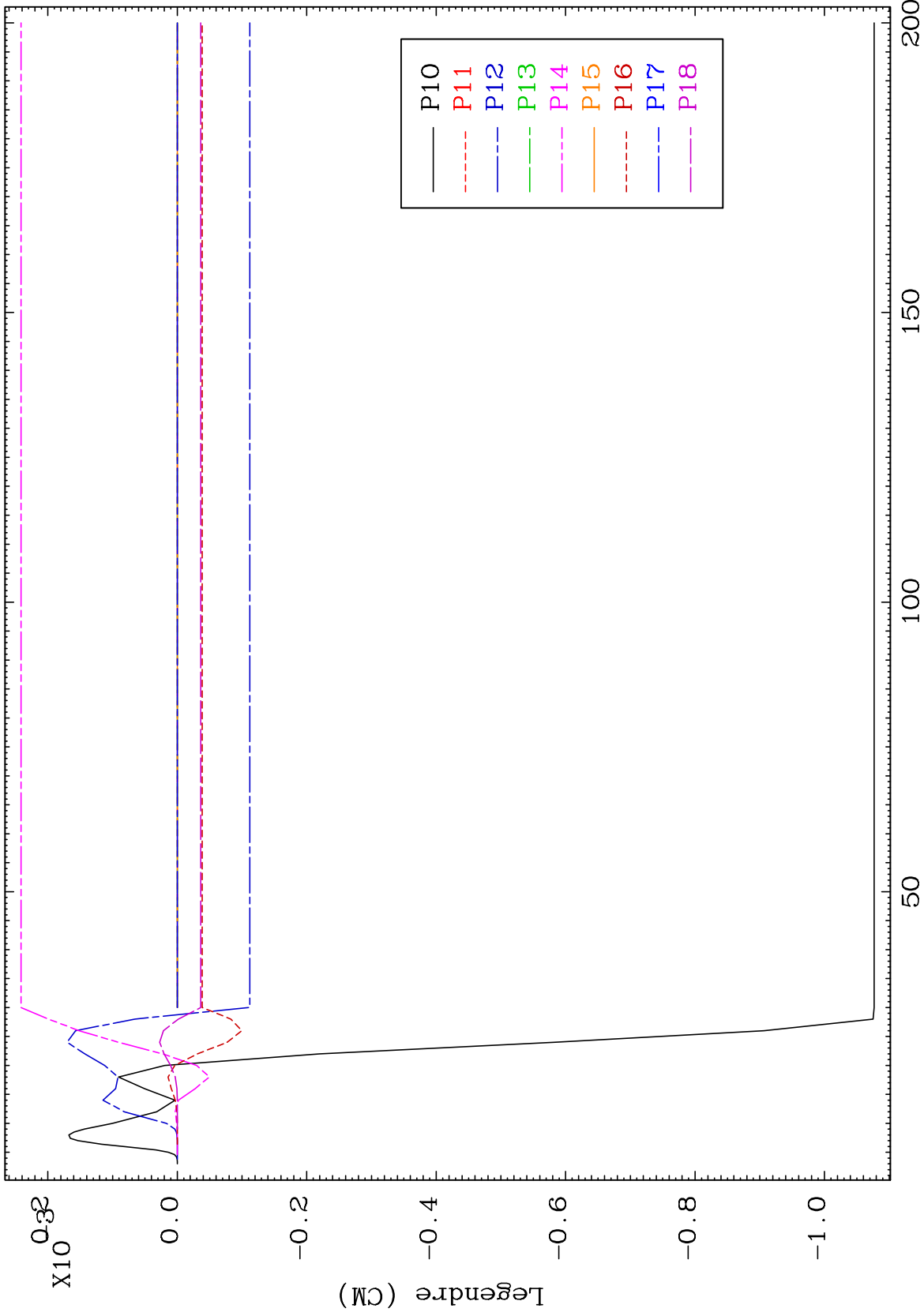
103

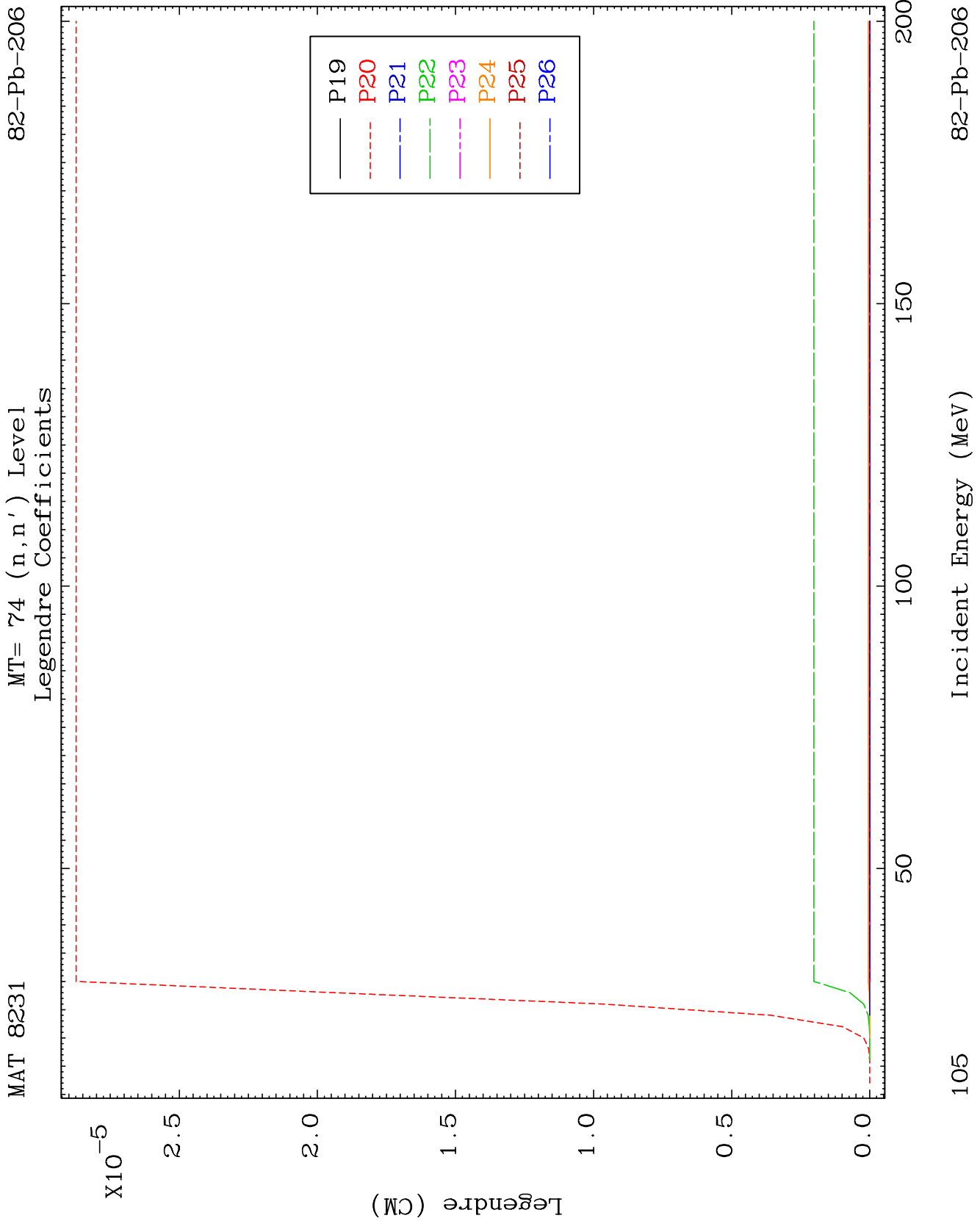


MAT 8231

MT= 74 (n,n') Level  
Legendre Coefficients

82-Pb-206



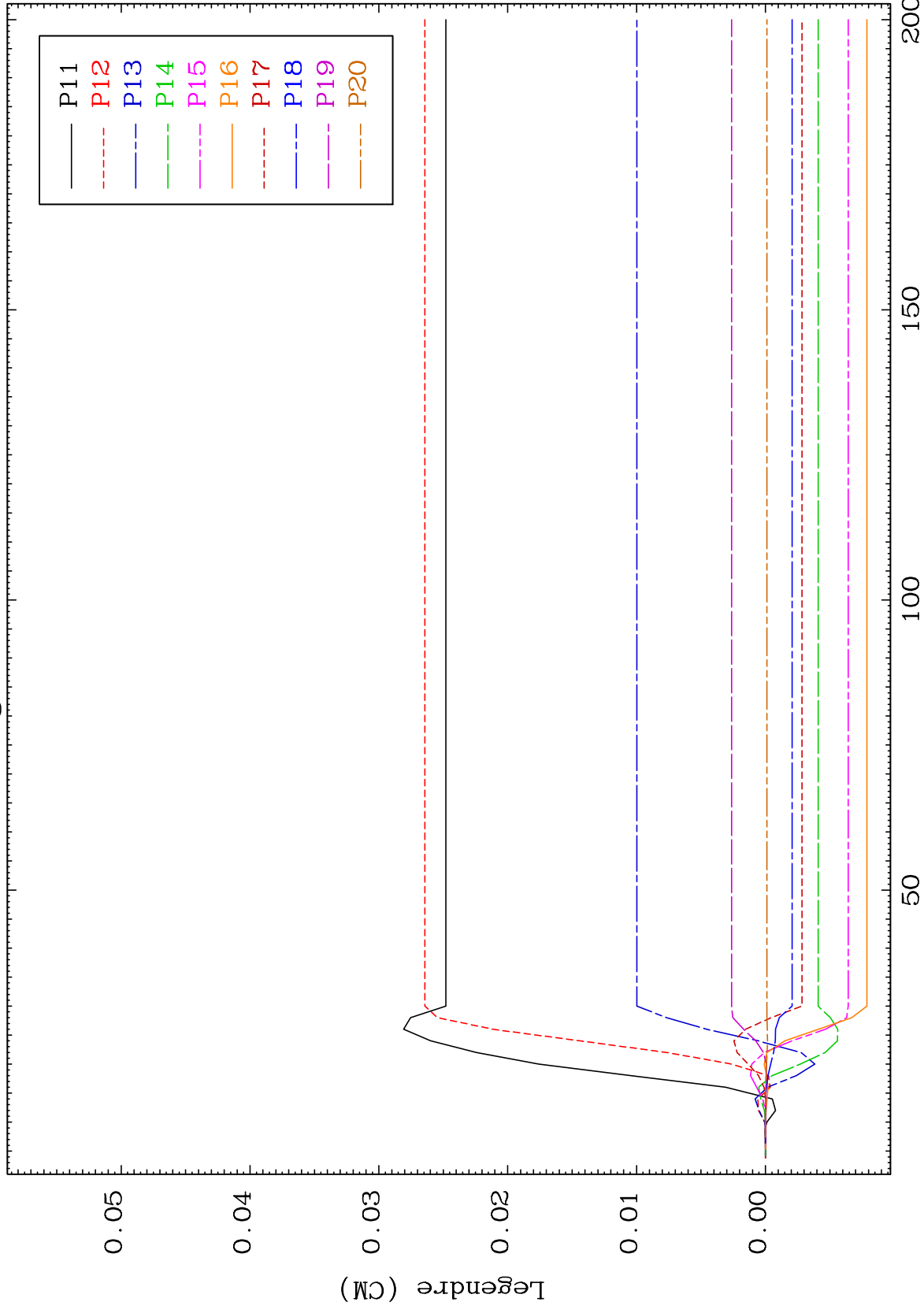




MAT 8231

MT= 75 (n,n') Level  
Legendre Coefficients

82-Pb-206



107

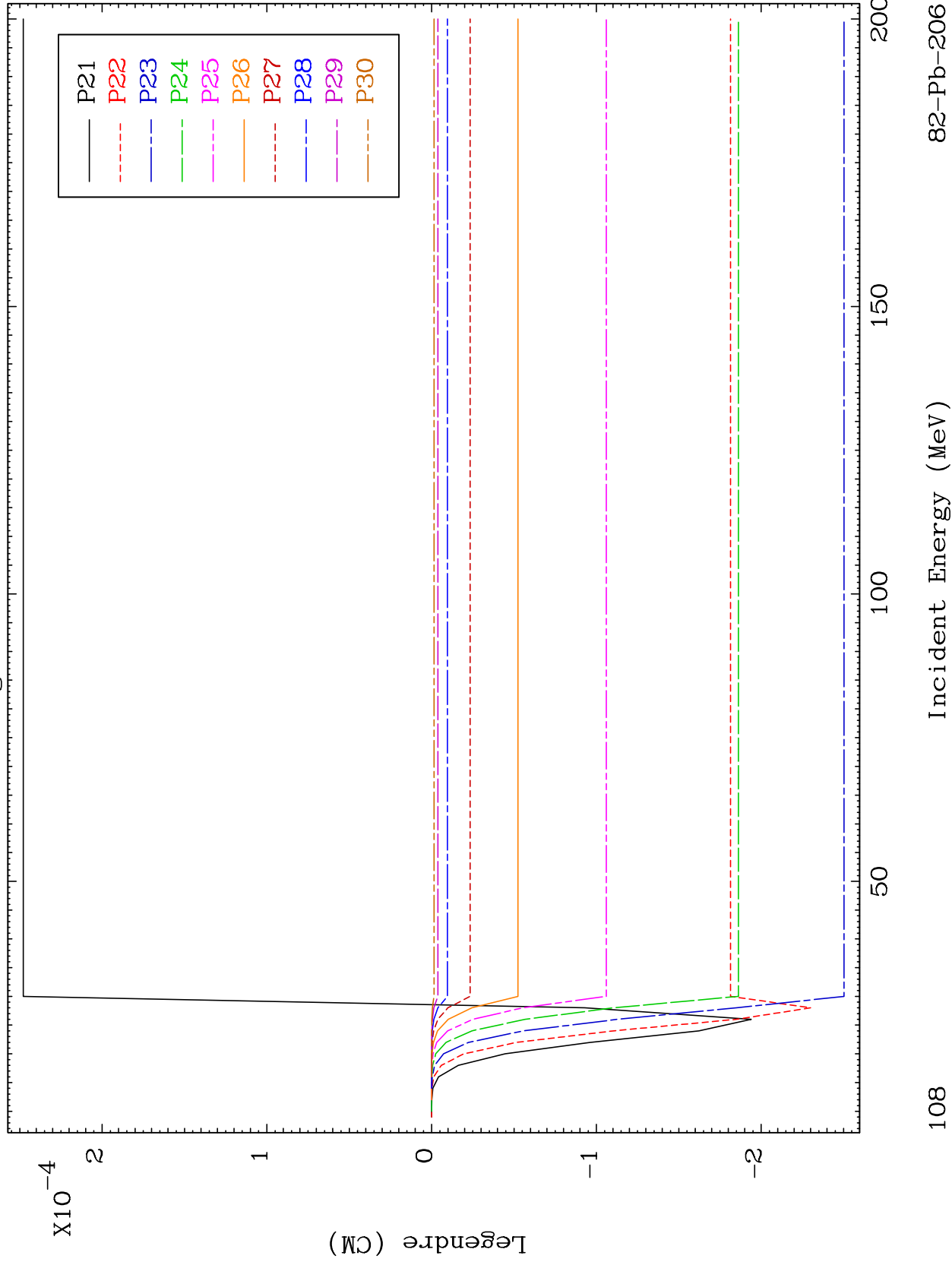
Incident Energy (MeV)

82-Pb-206

MAT 8231

MT= 75 (n,n') Level  
Legendre Coefficients

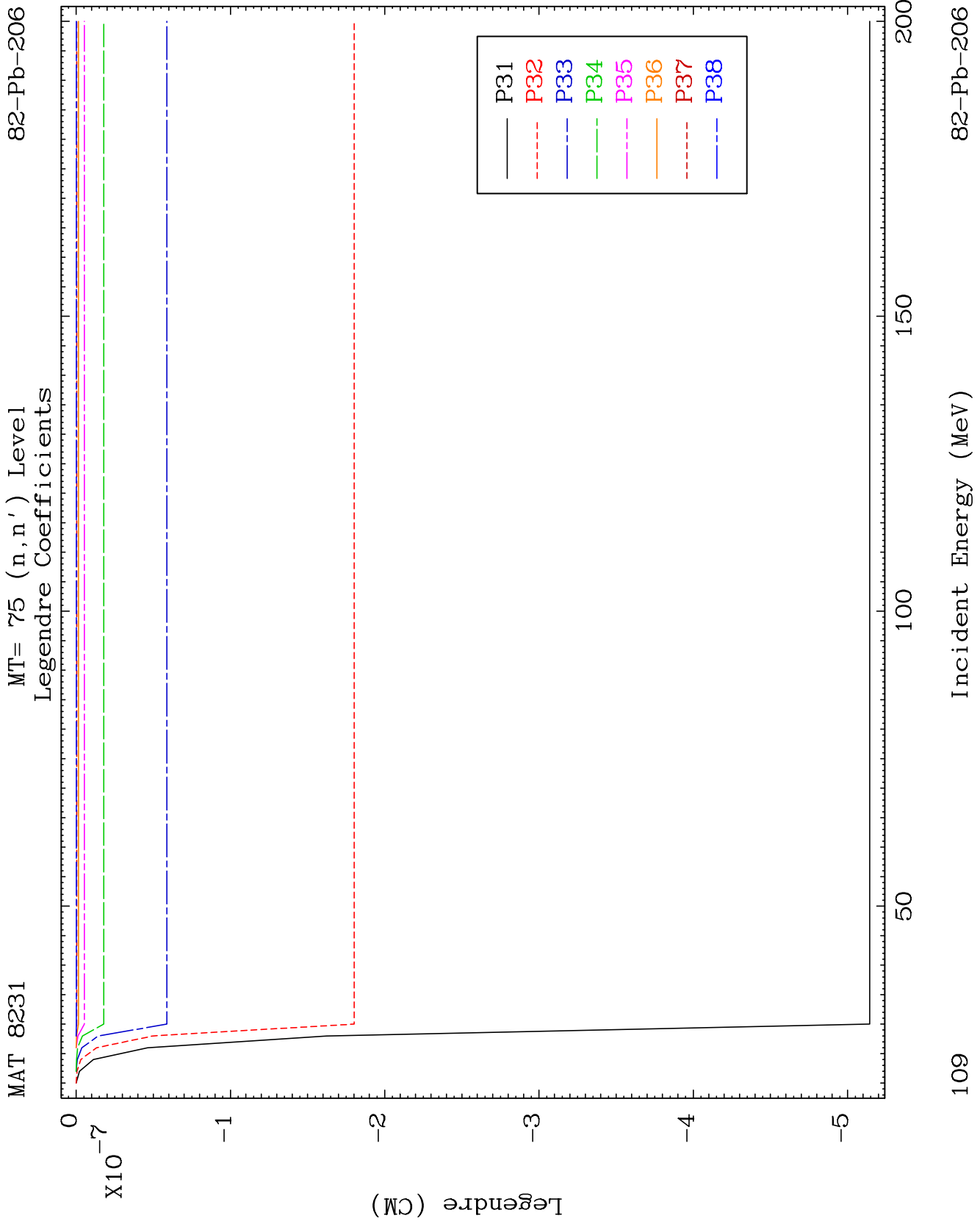
82-Pb-206



108

Incident Energy (MeV)

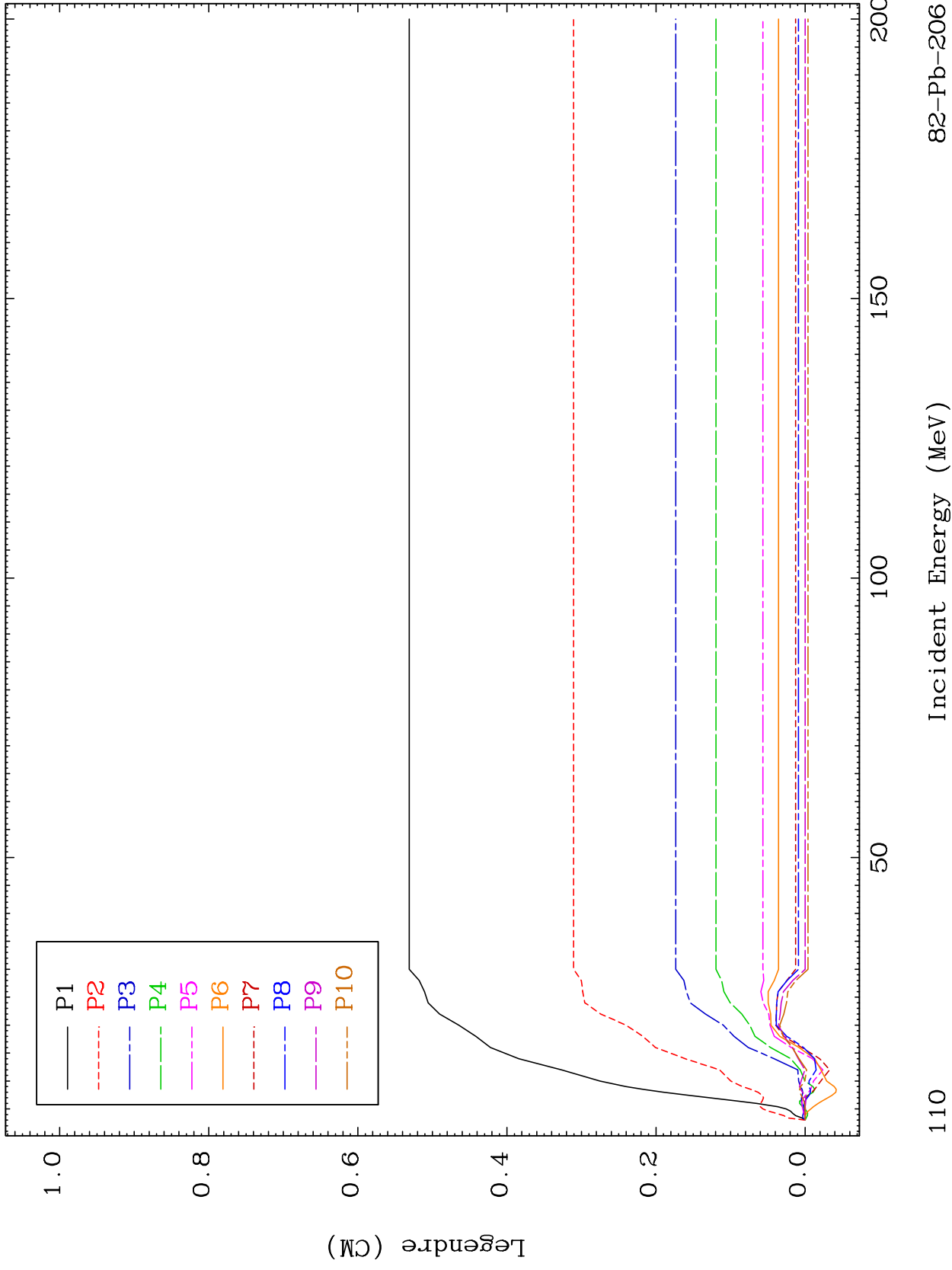
82-Pb-206



MAT 8231

MT= 76 (n,n') Level  
Legendre Coefficients

82-Pb-206



82-Pb-206

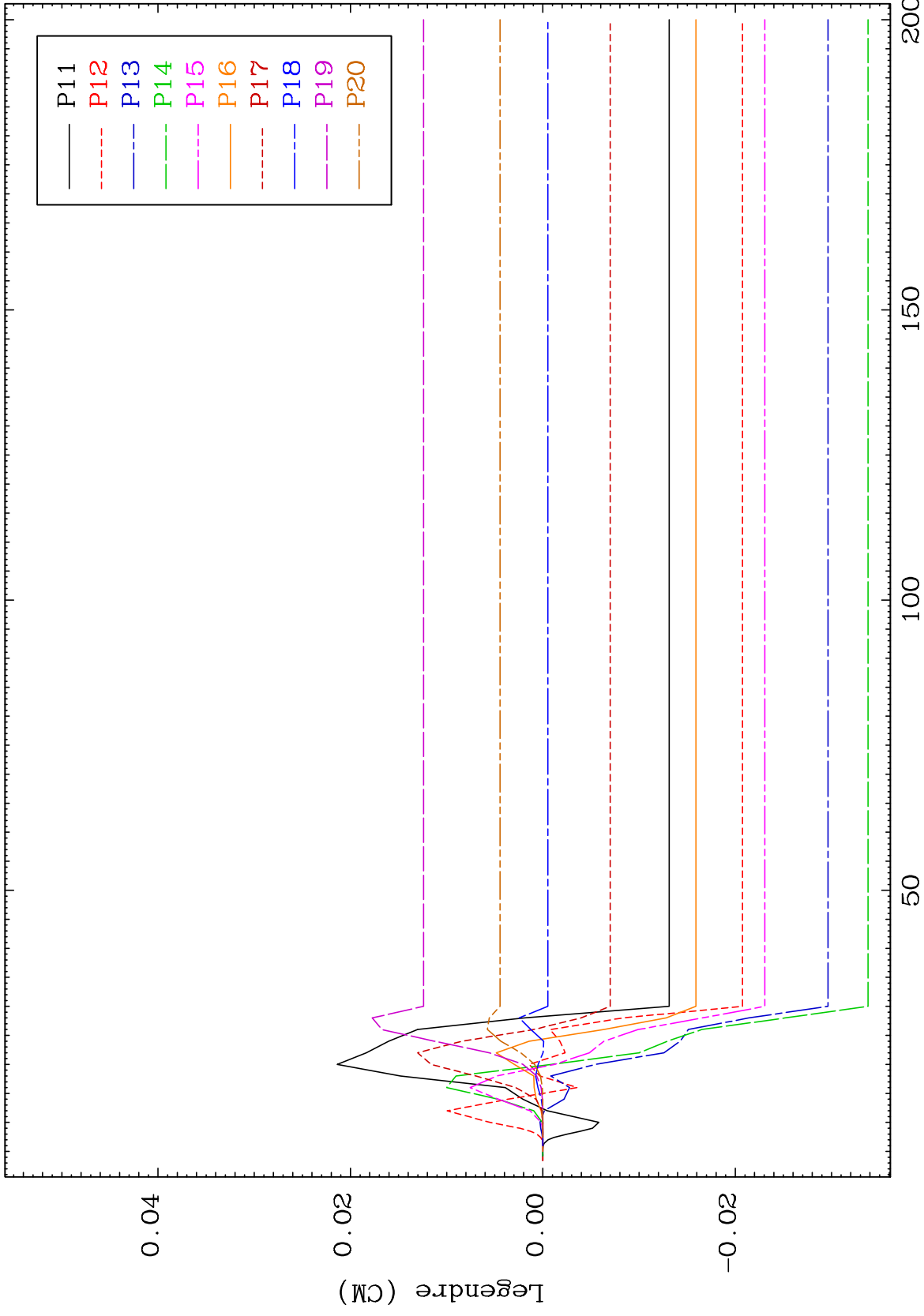
Incident Energy (MeV)

110

MAT 8231

MT= 76 (n,n') Level  
Legendre Coefficients

82-Pb-206



111

Incident Energy (MeV)

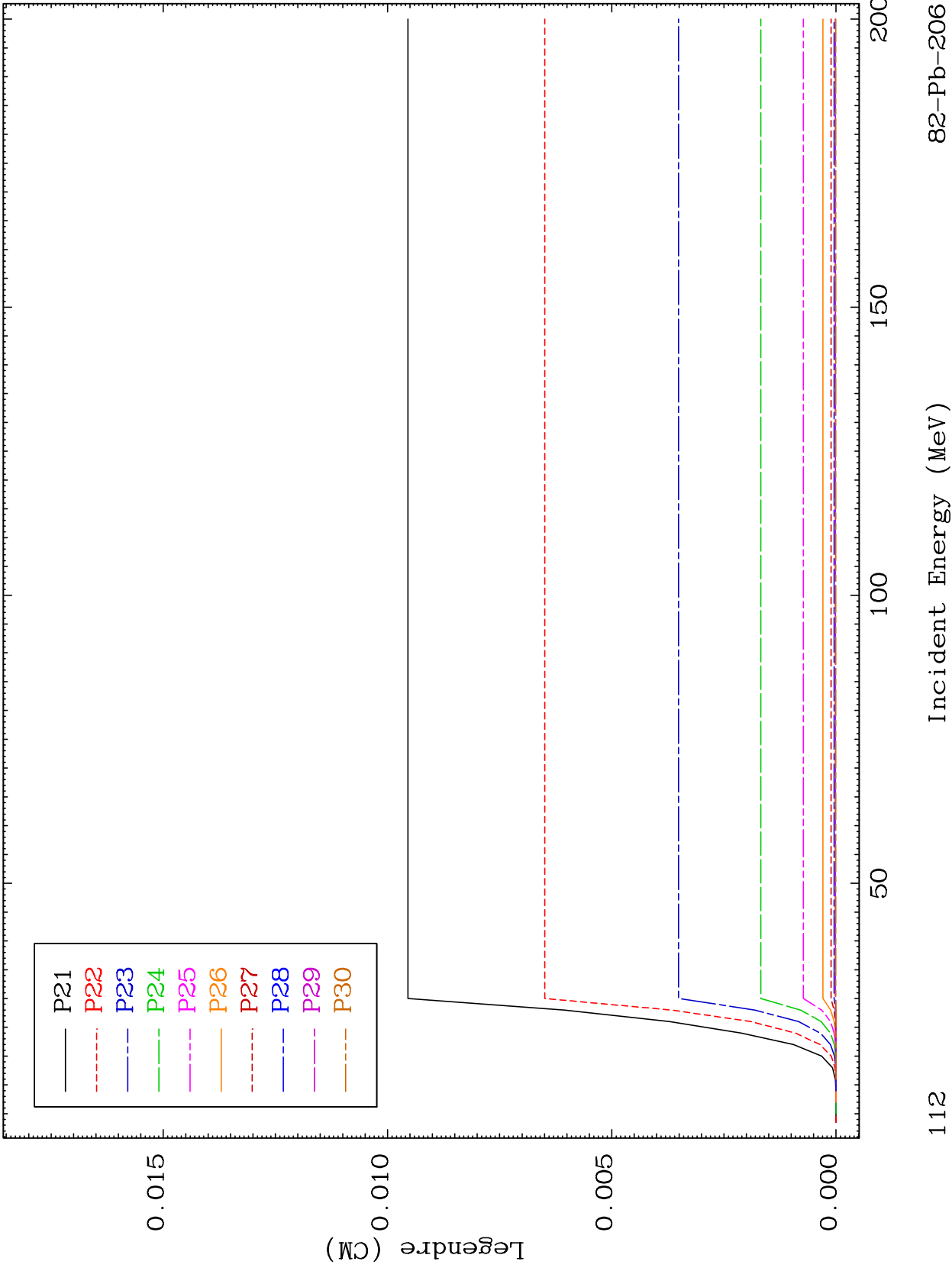
82-Pb-206



MAT 8231

MT= 76 (n,n') Level  
Legendre Coefficients

82-Pb-206



112

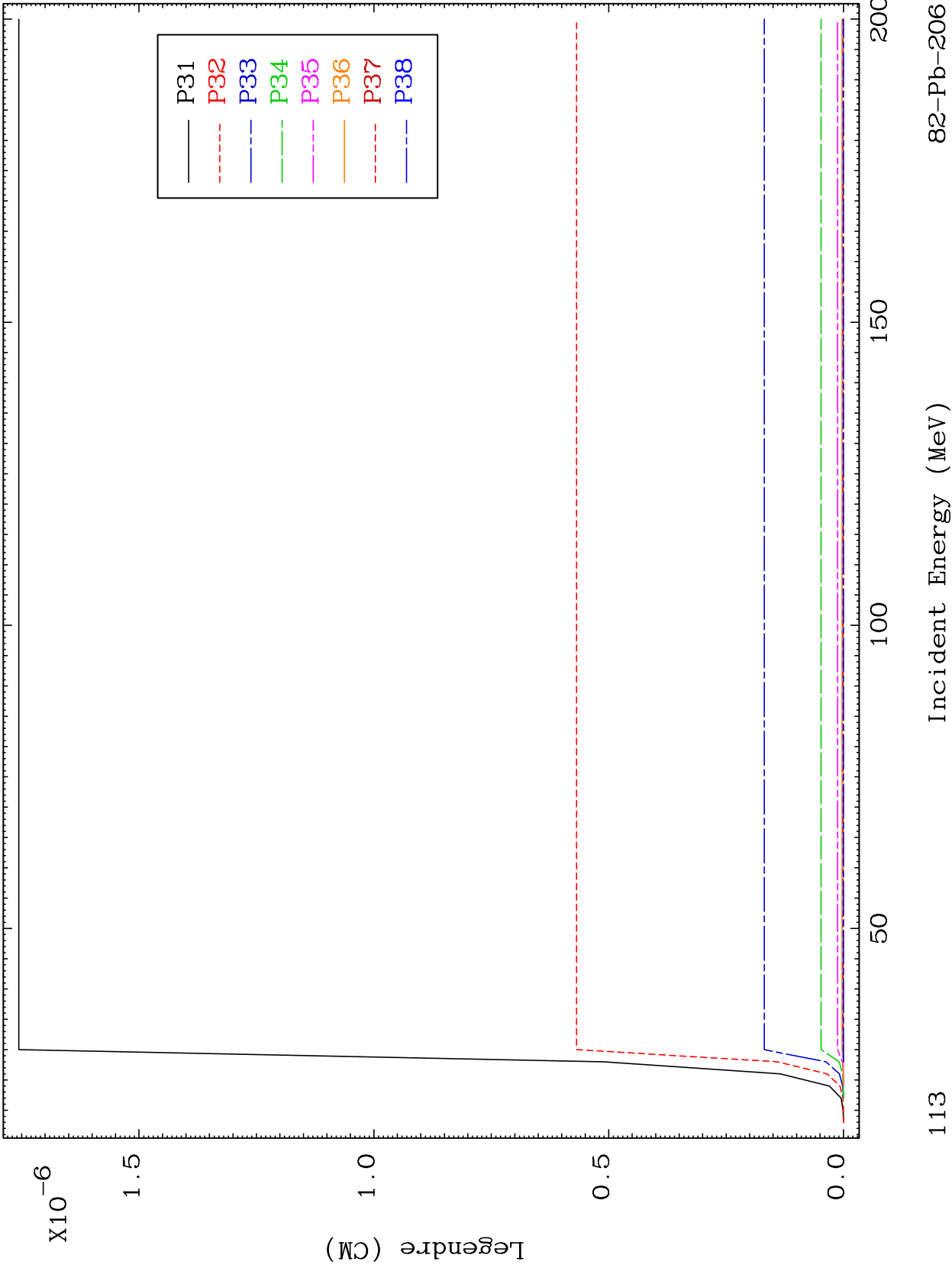
Incident Energy (MeV)

82-Pb-206

MAT 8231

MT= 76 (n,n') Level  
Legendre Coefficients

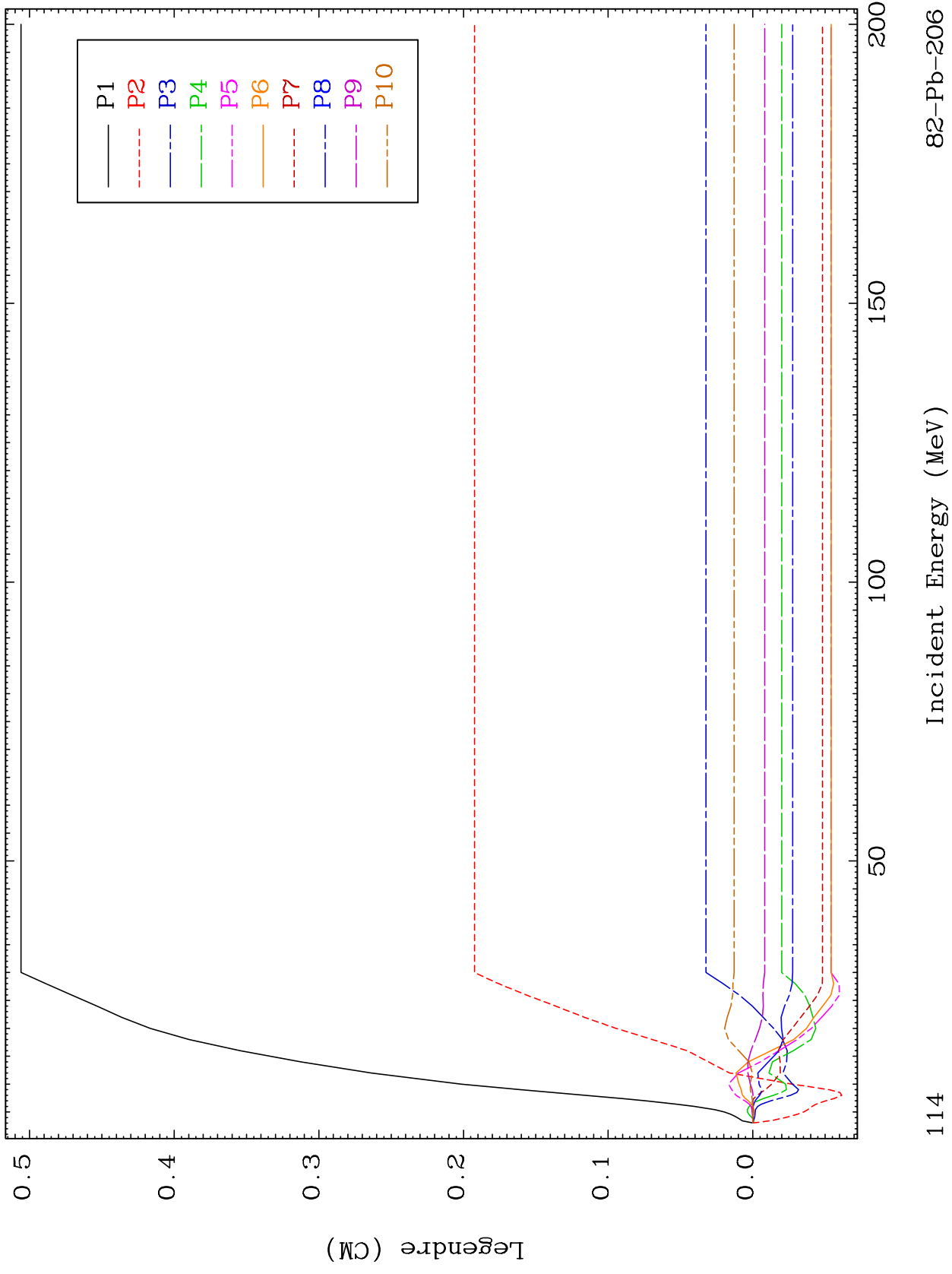
82-Pb-206



MAT 8231

MT= 77 (n,n') Level  
Legendre Coefficients

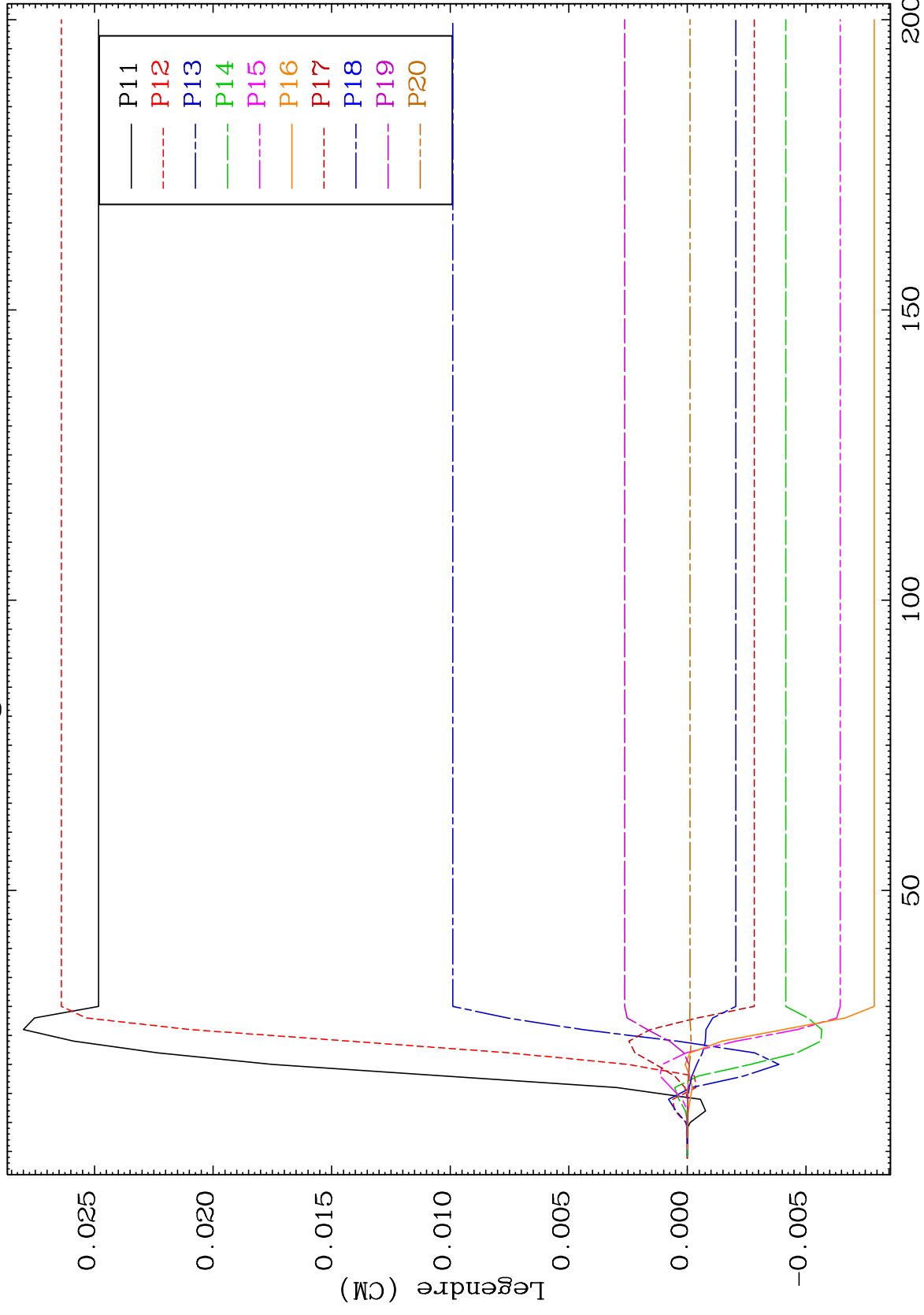
82-Pb-206



MAT 8231

MT= 77 (n,n') Level  
Legendre Coefficients

82-Pb-206



115

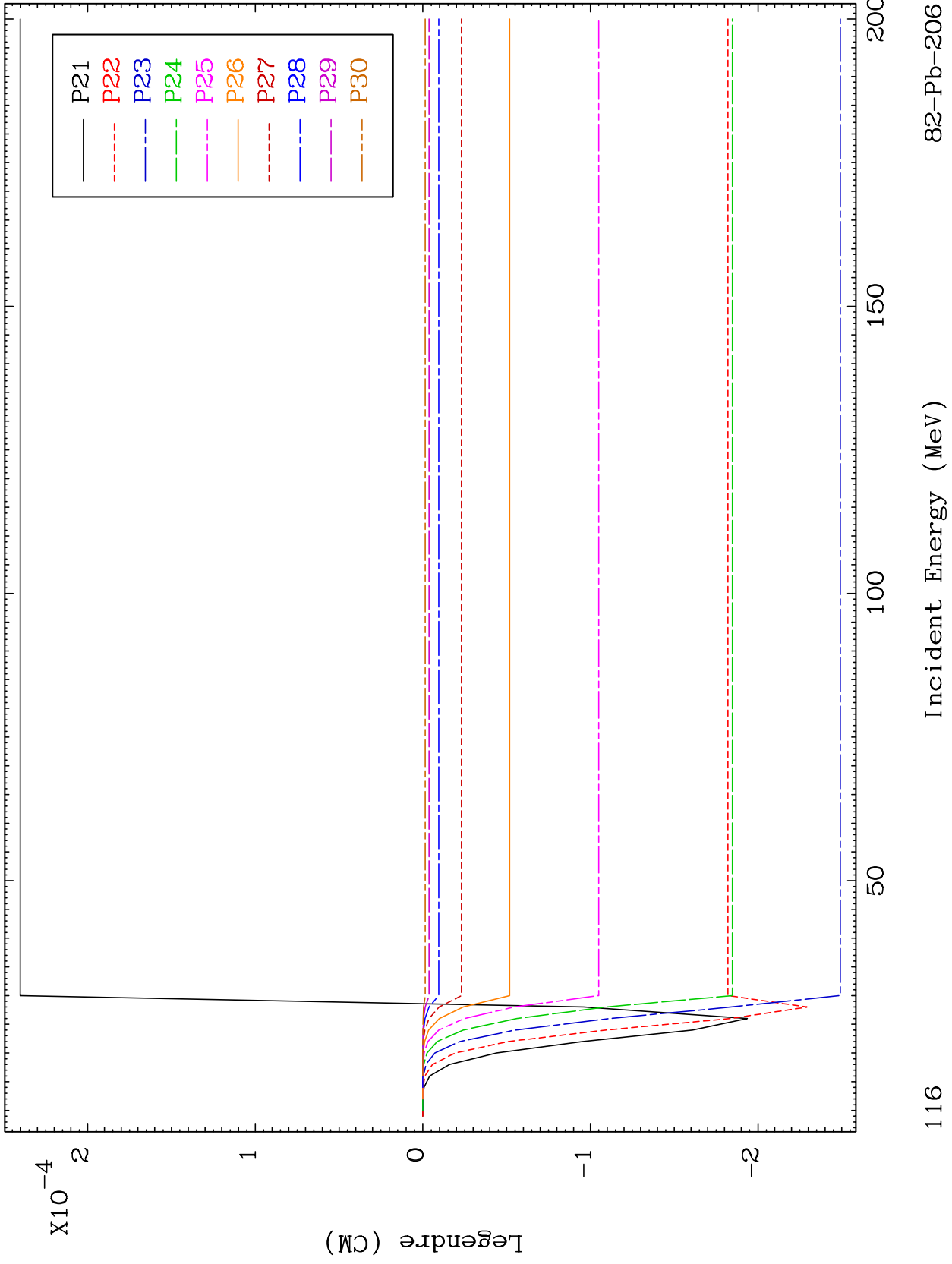
Incident Energy (MeV)

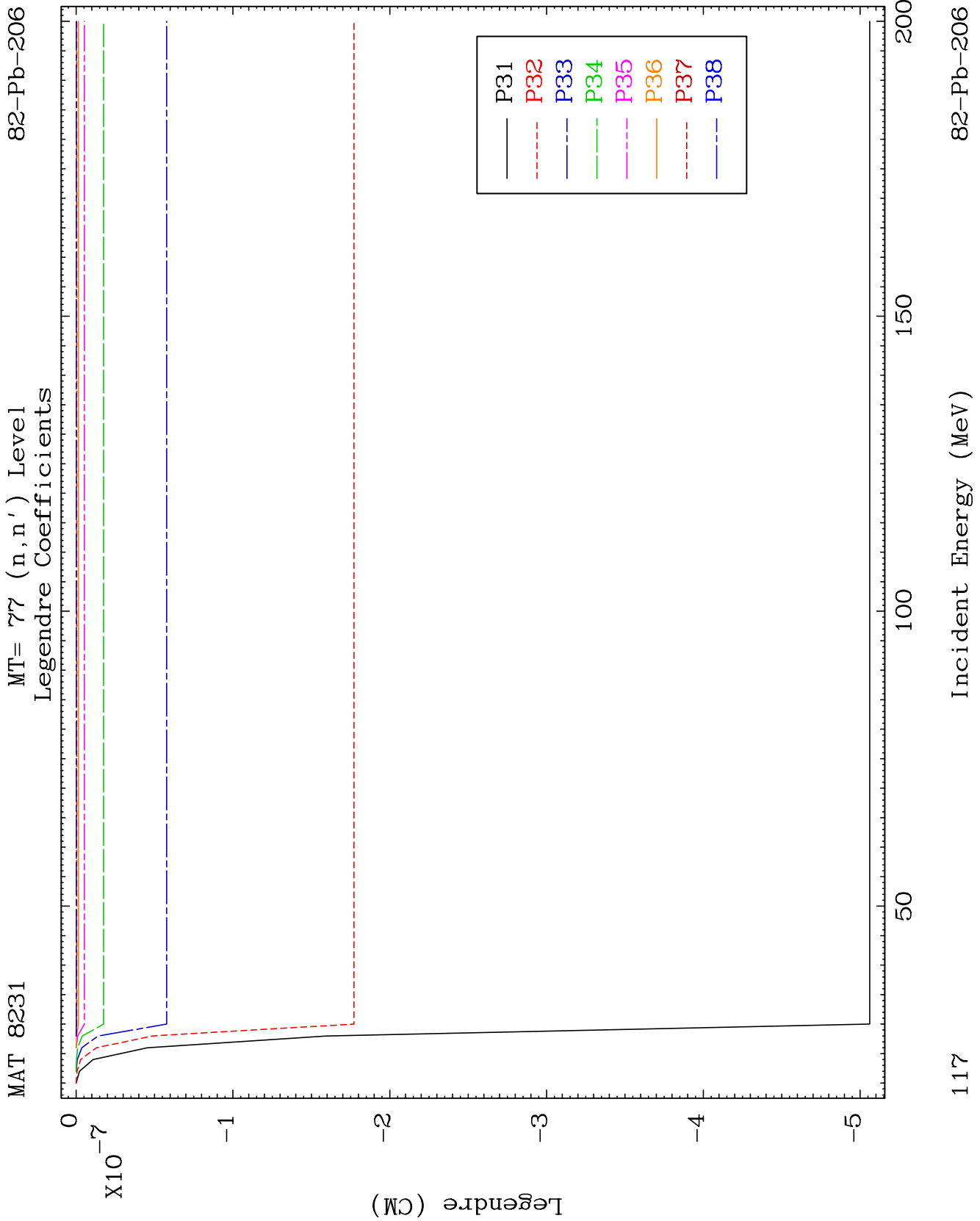
82-Pb-206

MAT 8231

MT= 77 (n,n') Level  
Legendre Coefficients

82-Pb-206

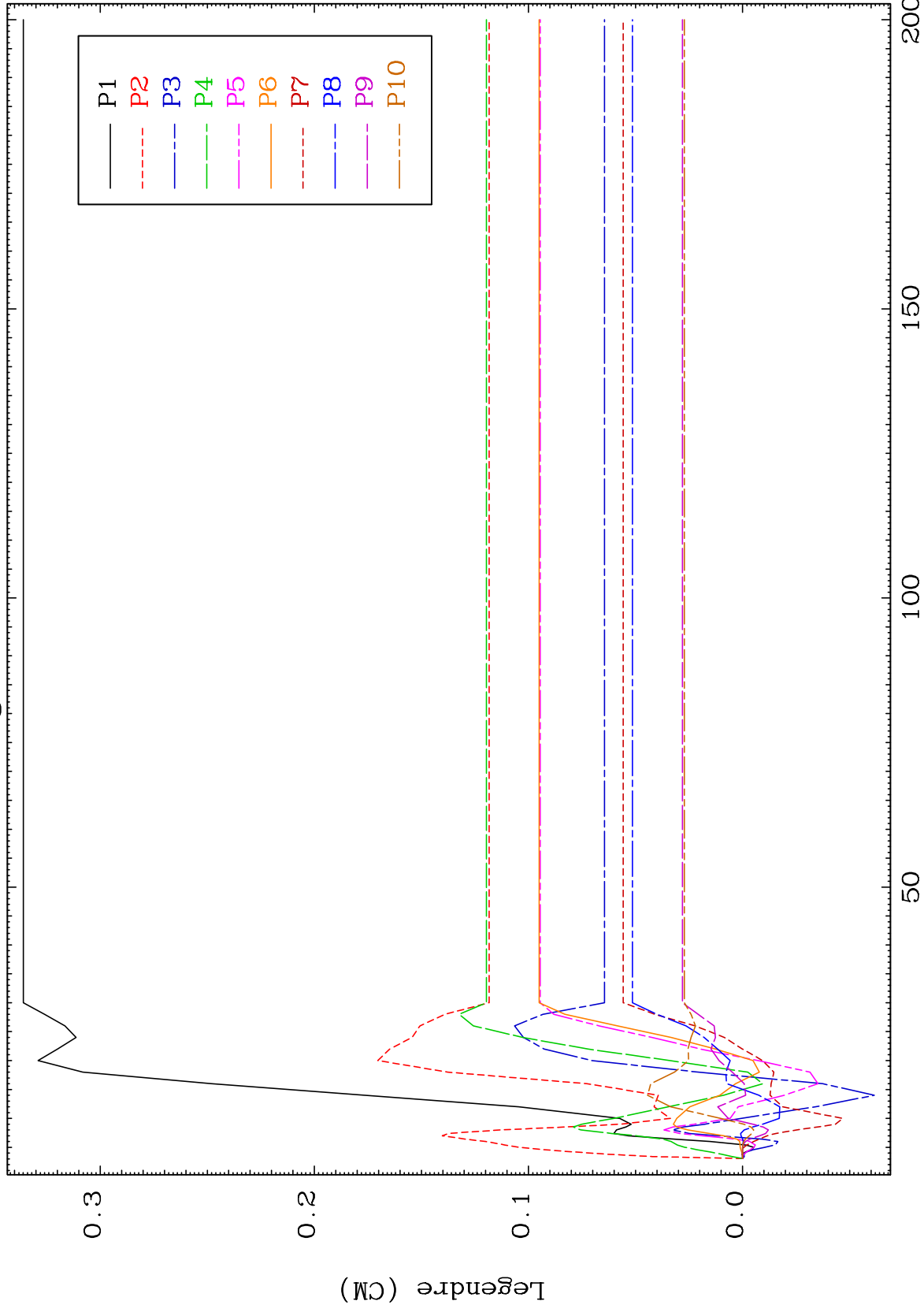




MAT 8231

MT= 78 (n,n') Level  
Legendre Coefficients

82-Pb-206



118

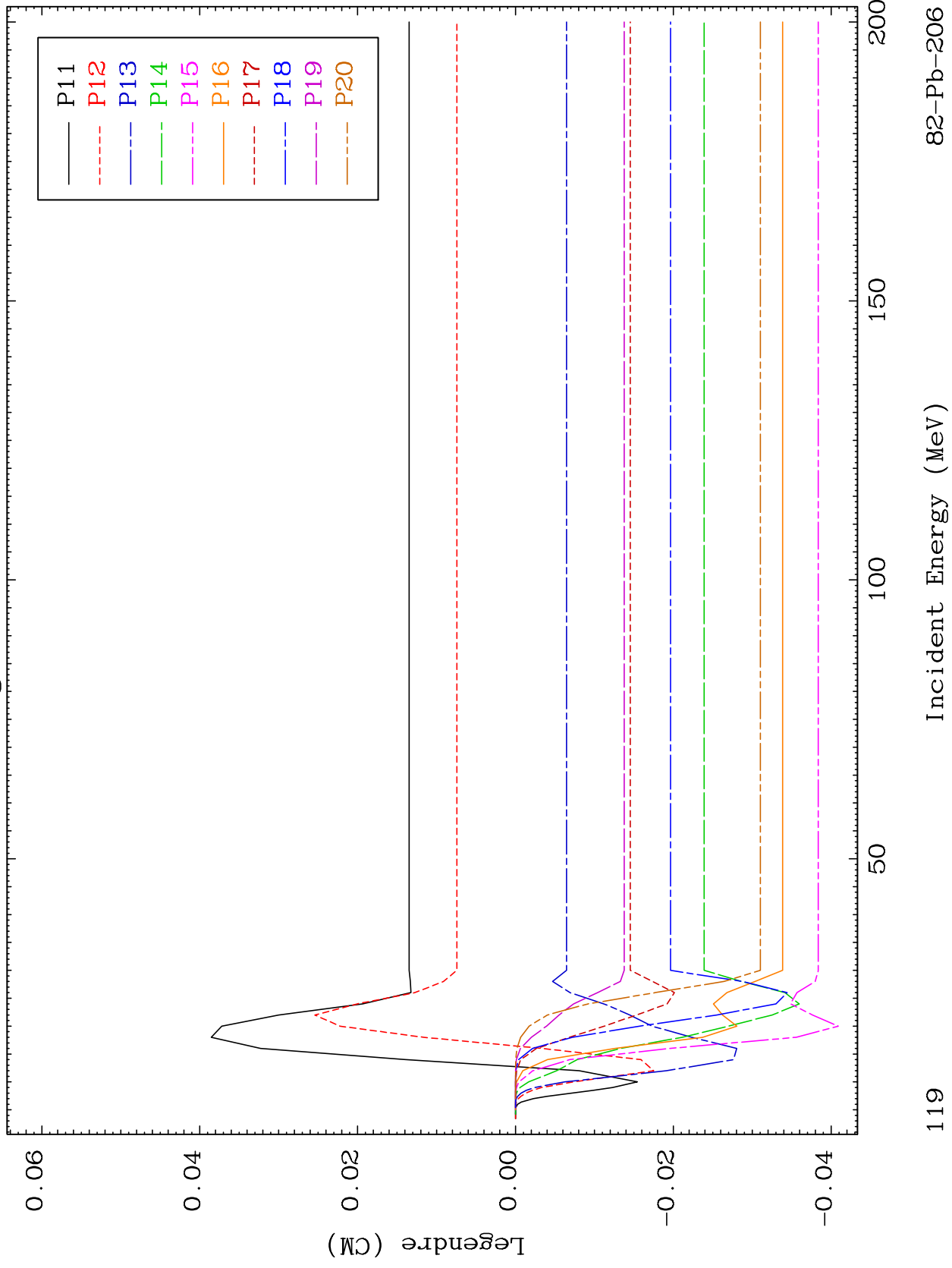
Incident Energy (MeV)

82-Pb-206

MAT 8231

MT= 78 (n,n') Level  
Legendre Coefficients

82-Pb-206

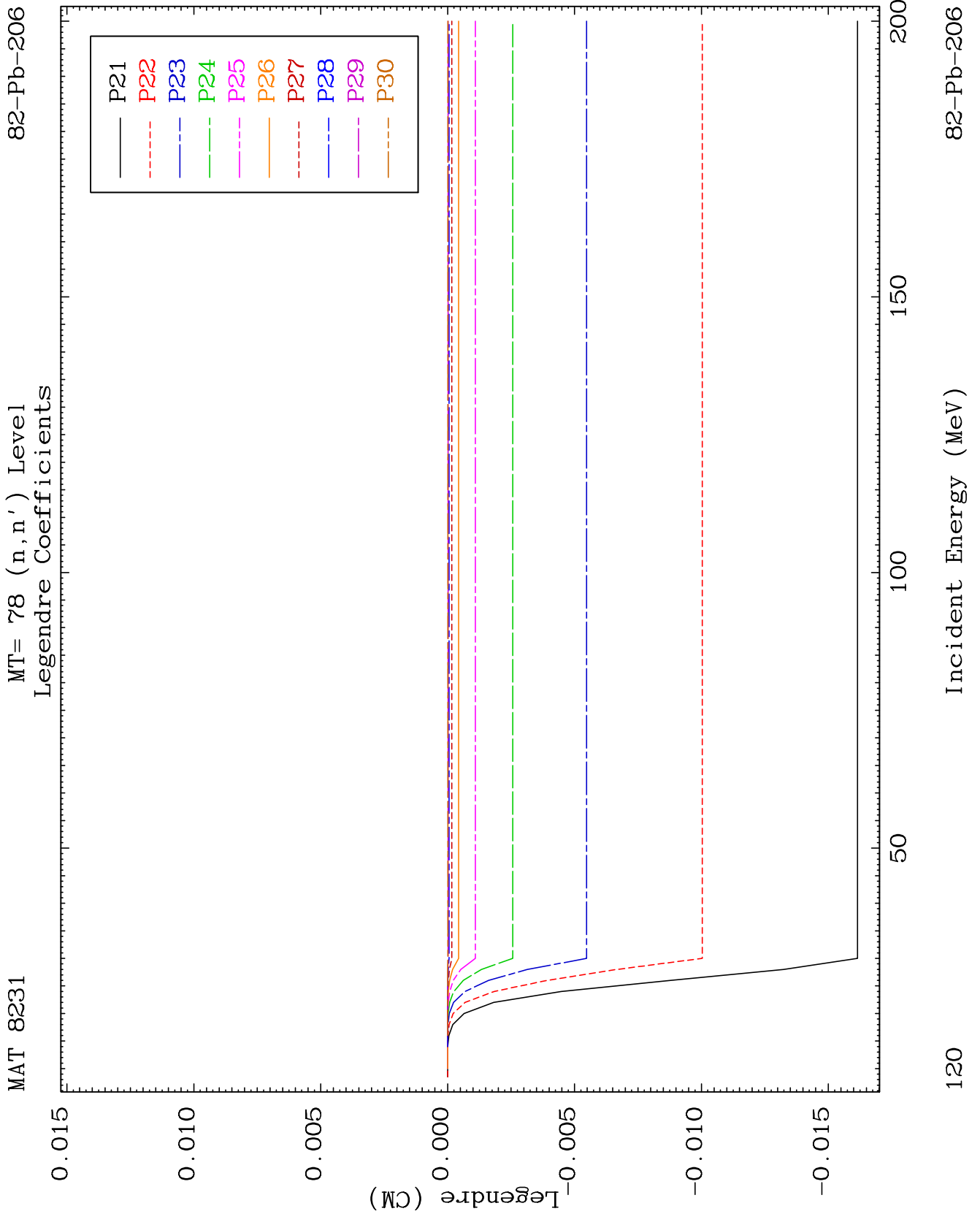


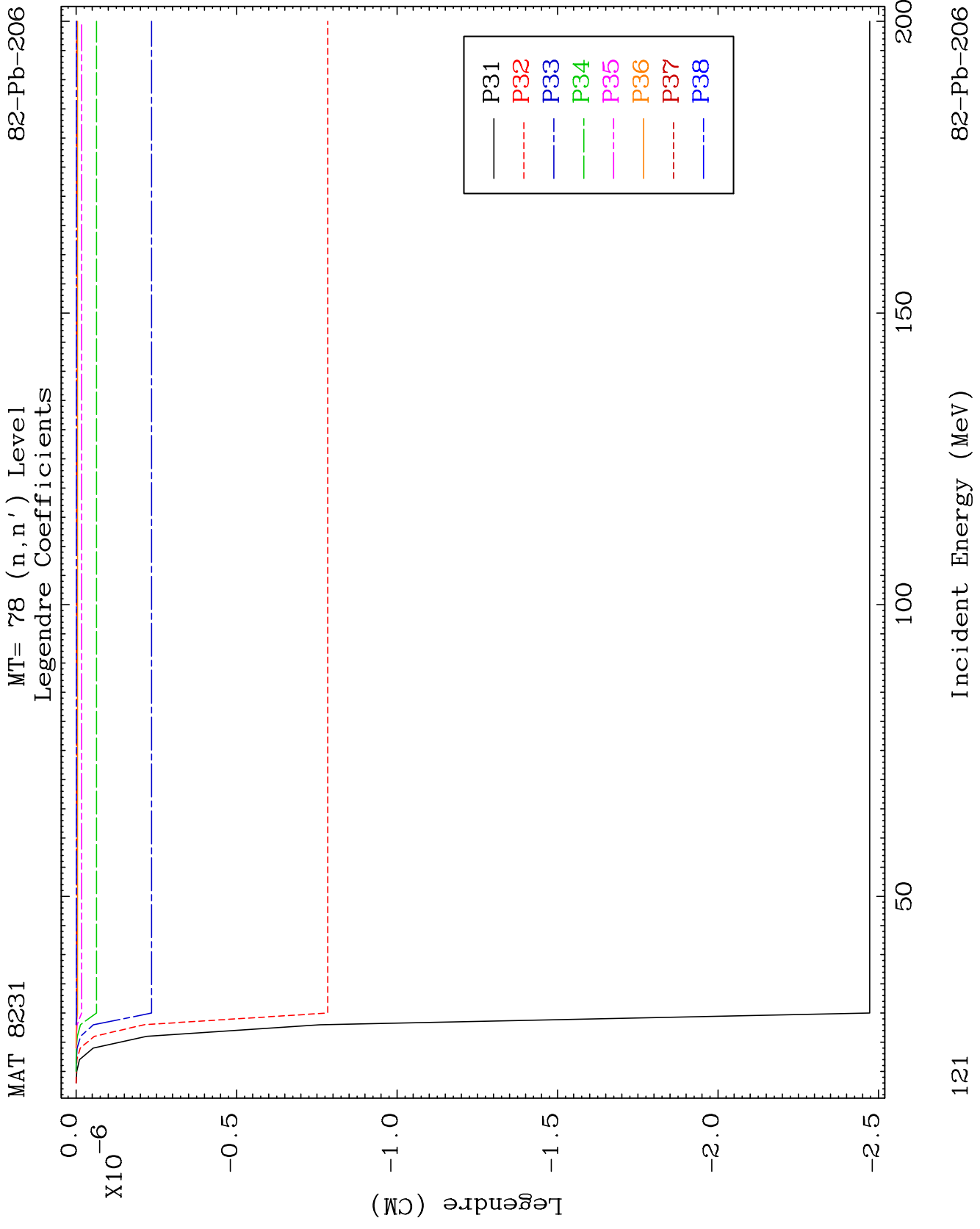
119

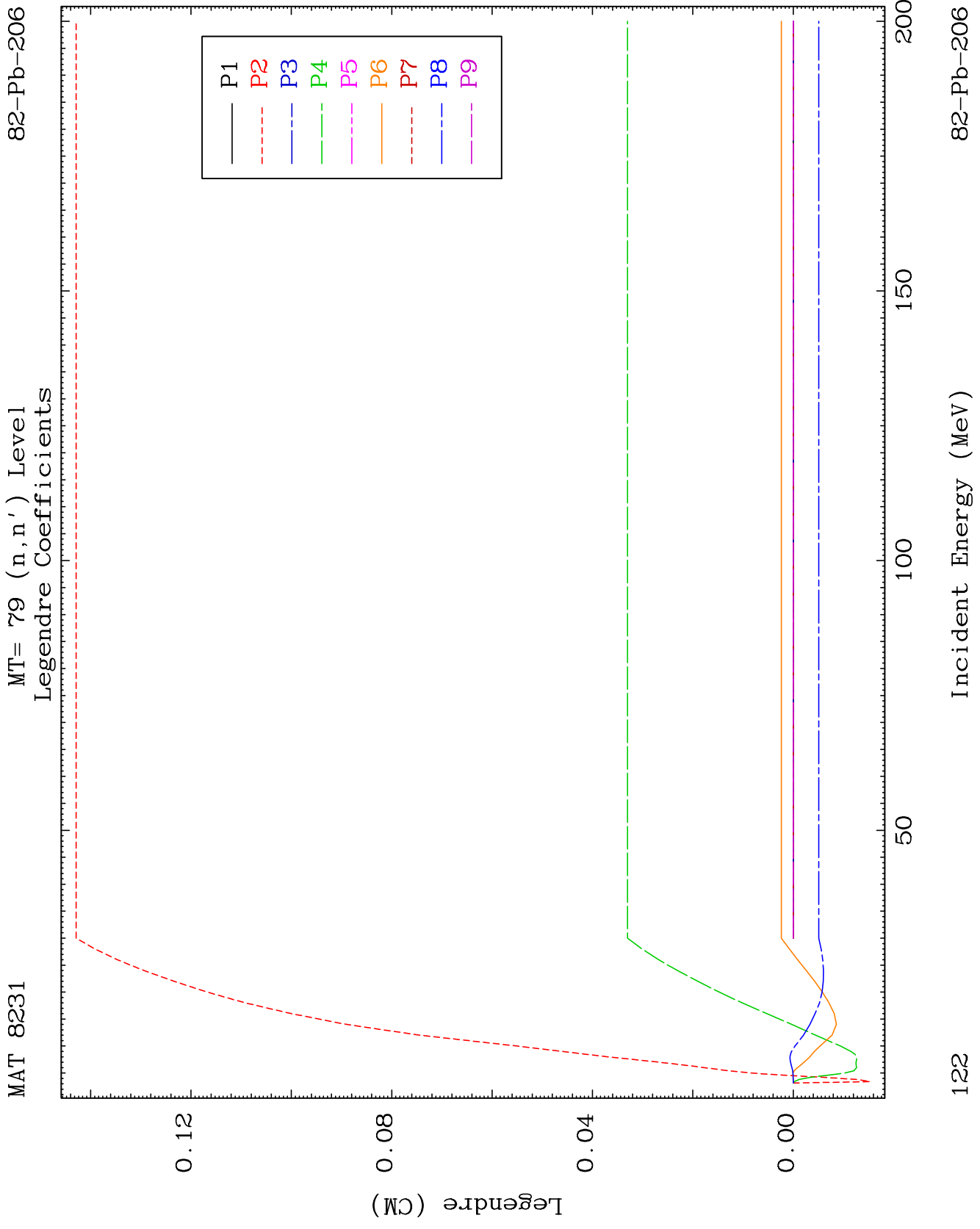
Incident Energy (MeV)

82-Pb-206





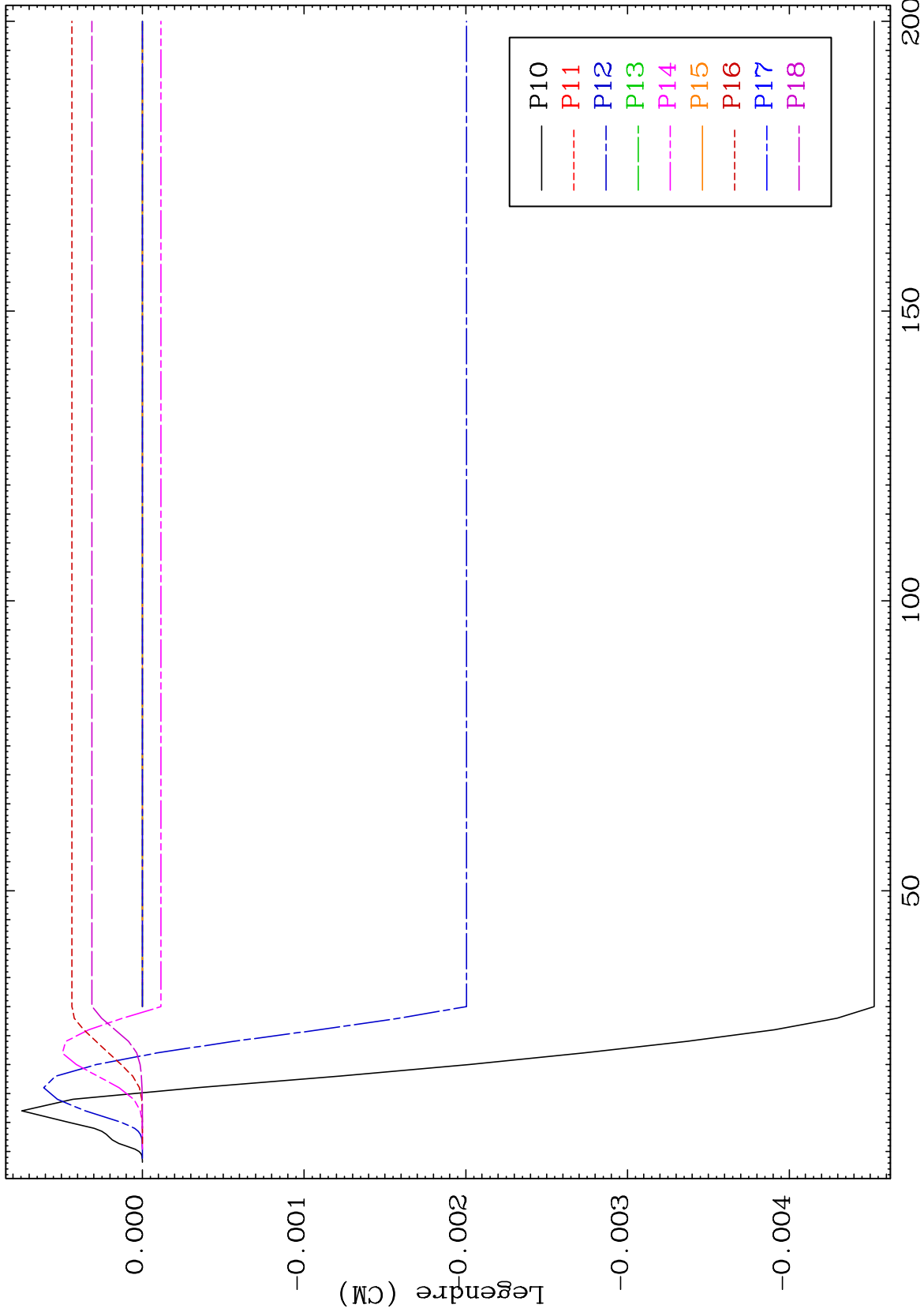




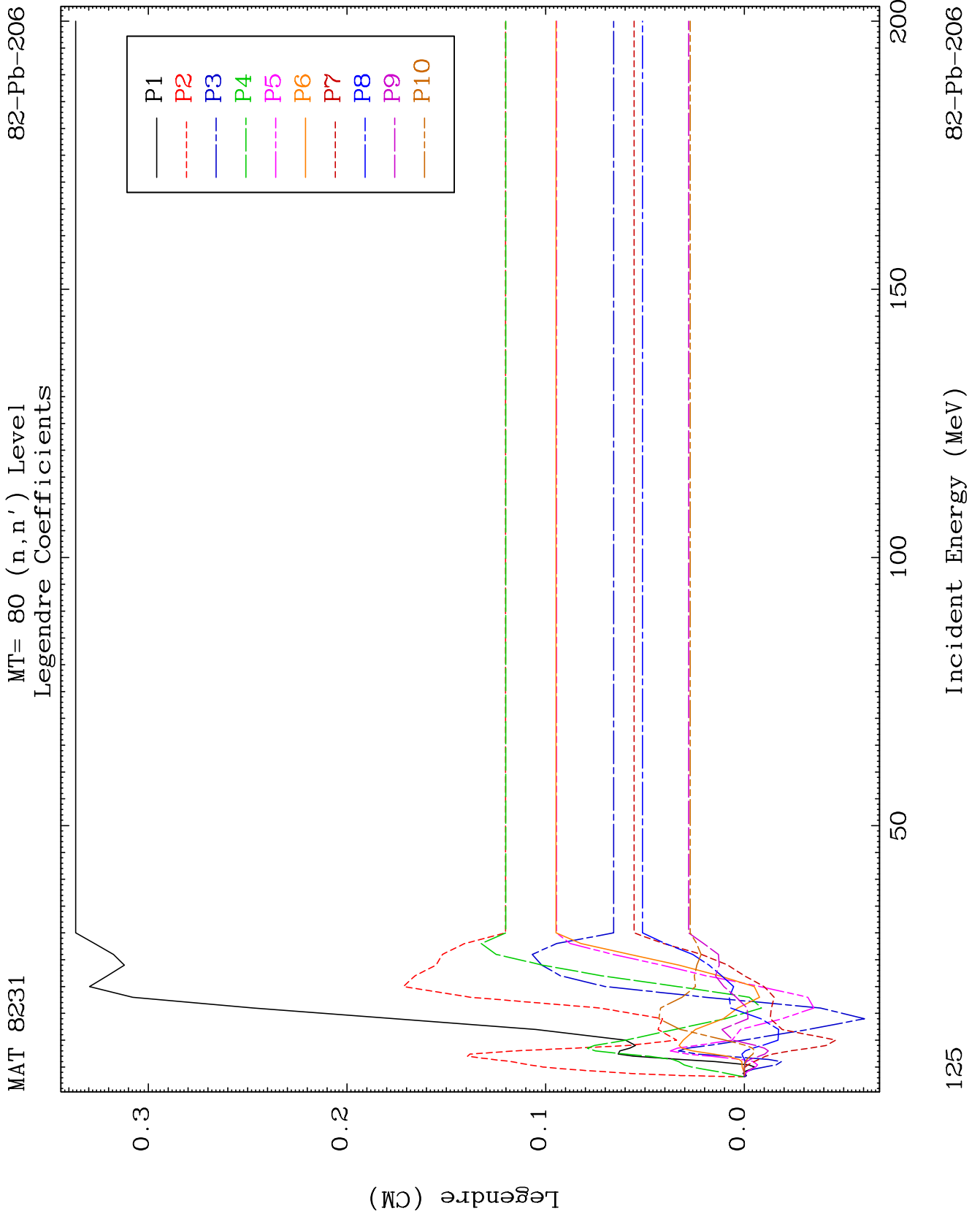
MAT 8231

MT= 79 (n,n') Level  
Legendre Coefficients

82-Pb-206



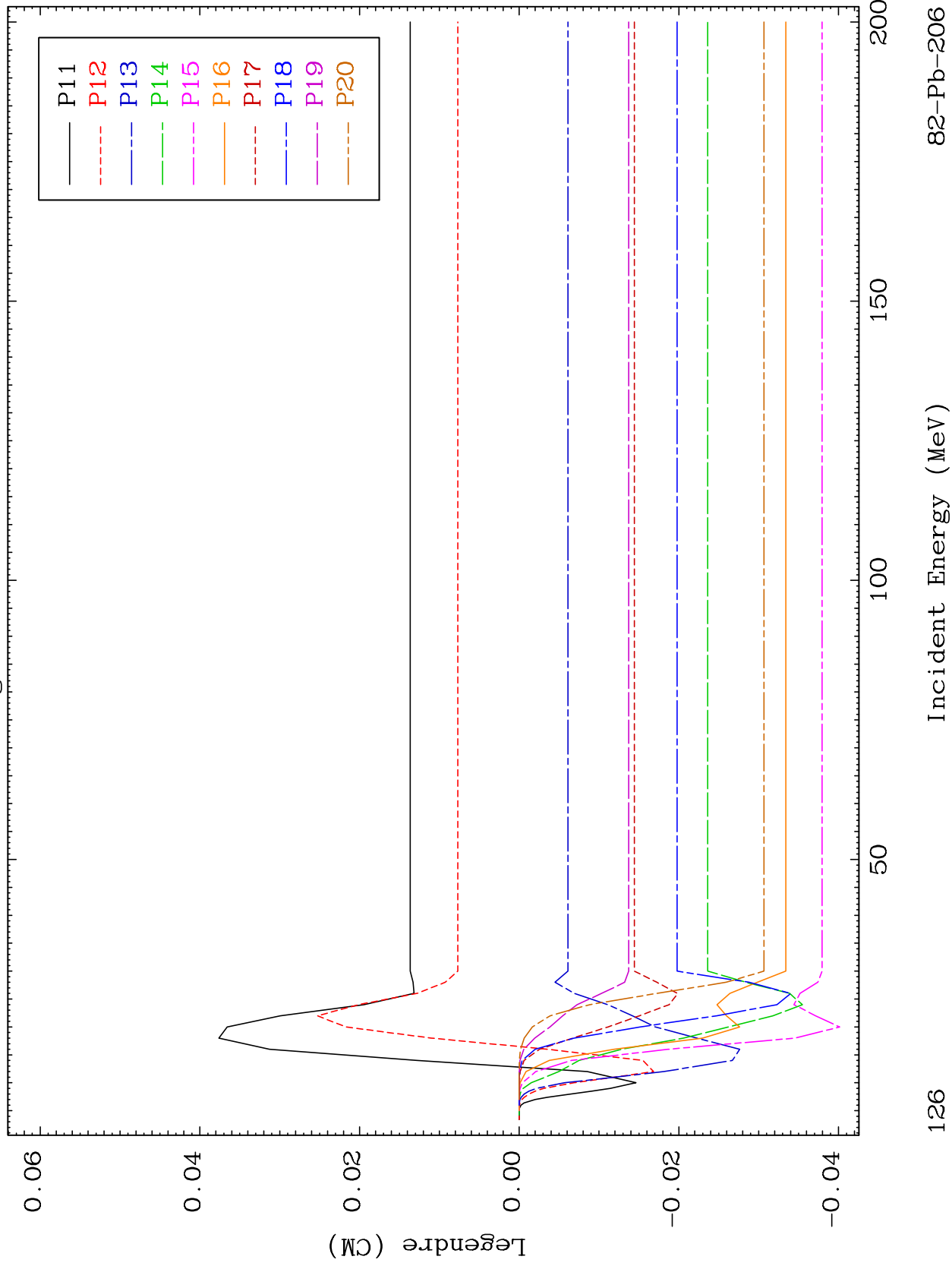




MAT 8231

MT= 80 (n,n') Level  
Legendre Coefficients

82-Pb-206



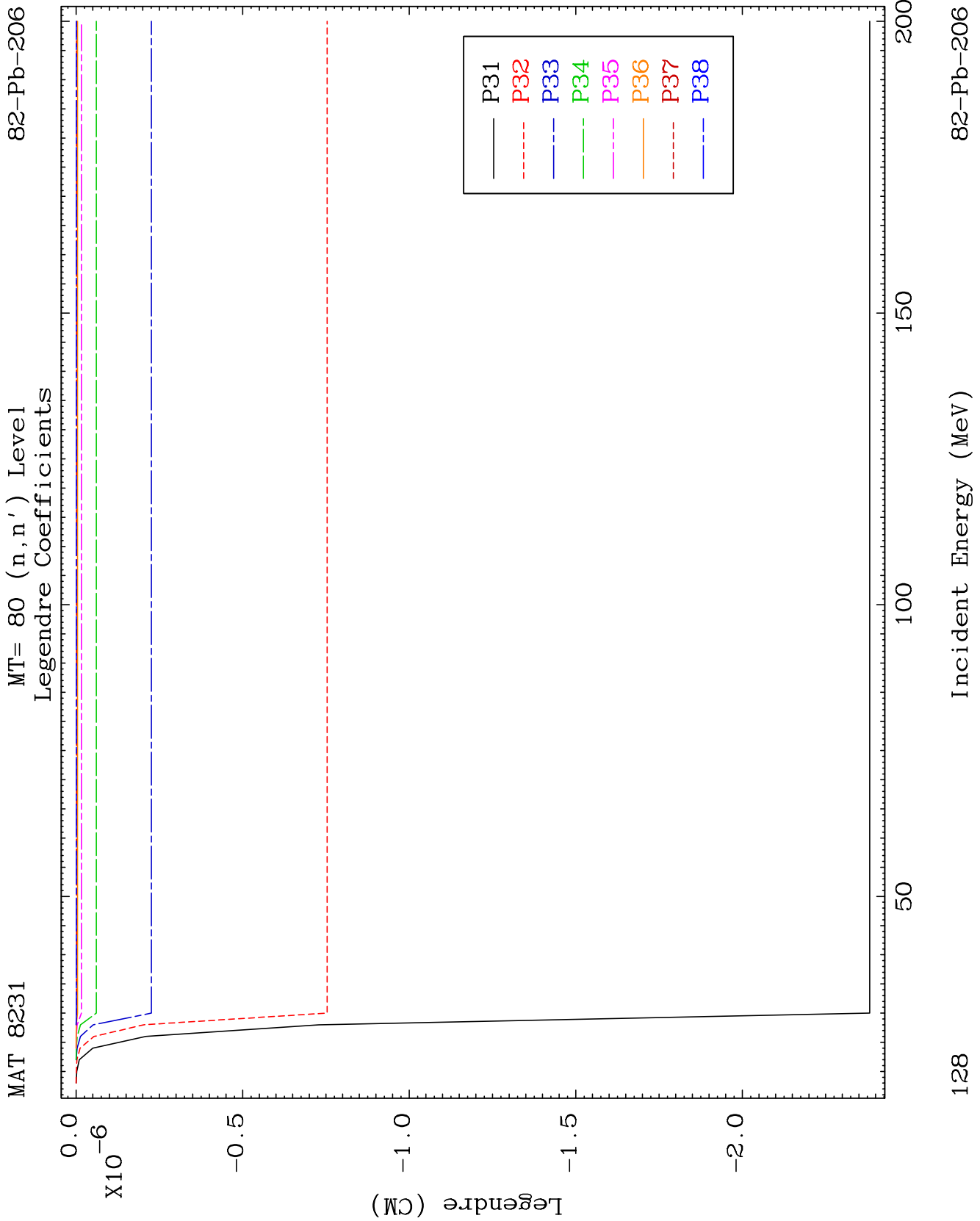
126

Incident Energy (MeV)

82-Pb-206



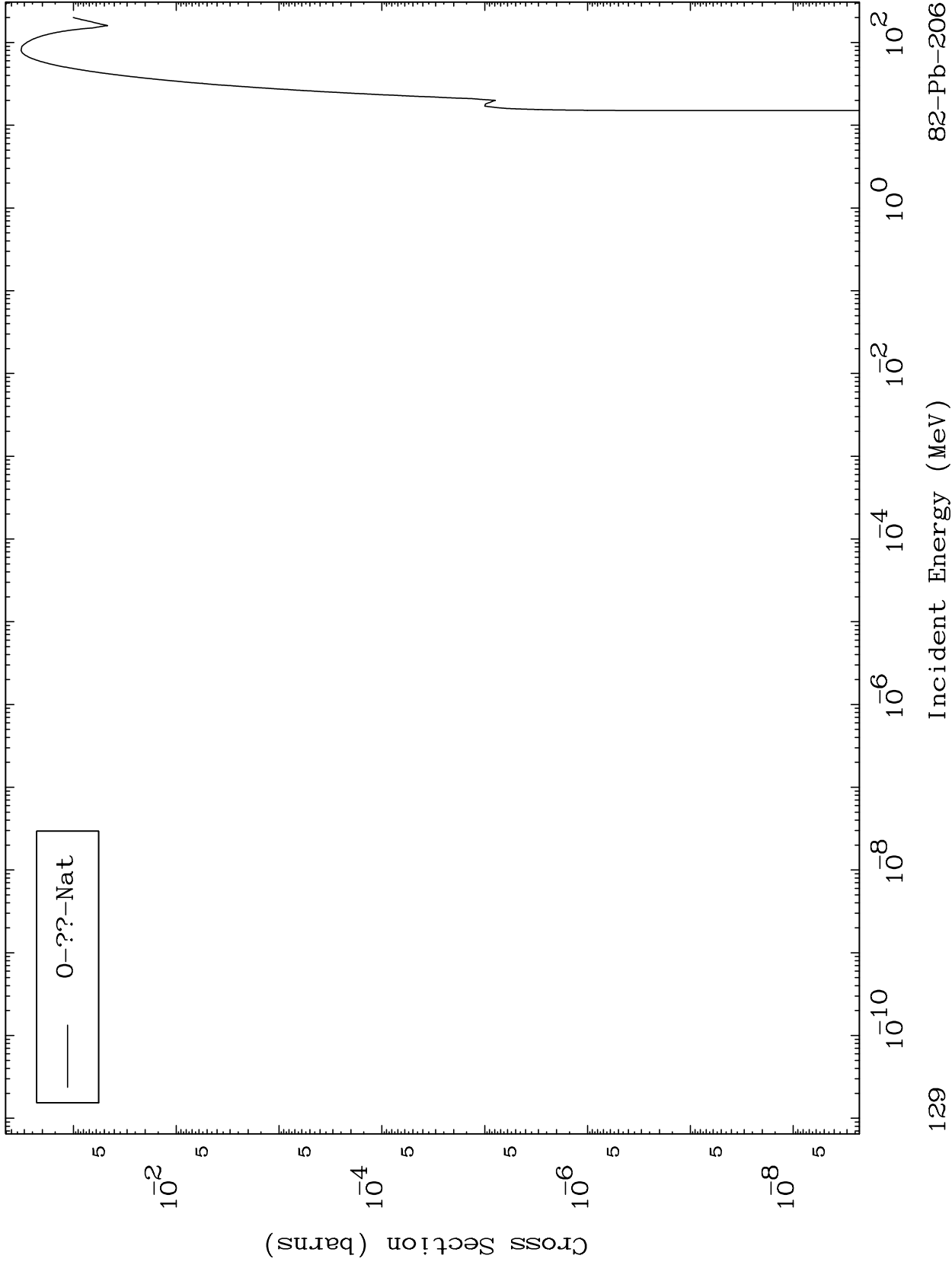




MAT 8231

Fission  
Radionuclide Production Cross Section

82-Pb-206

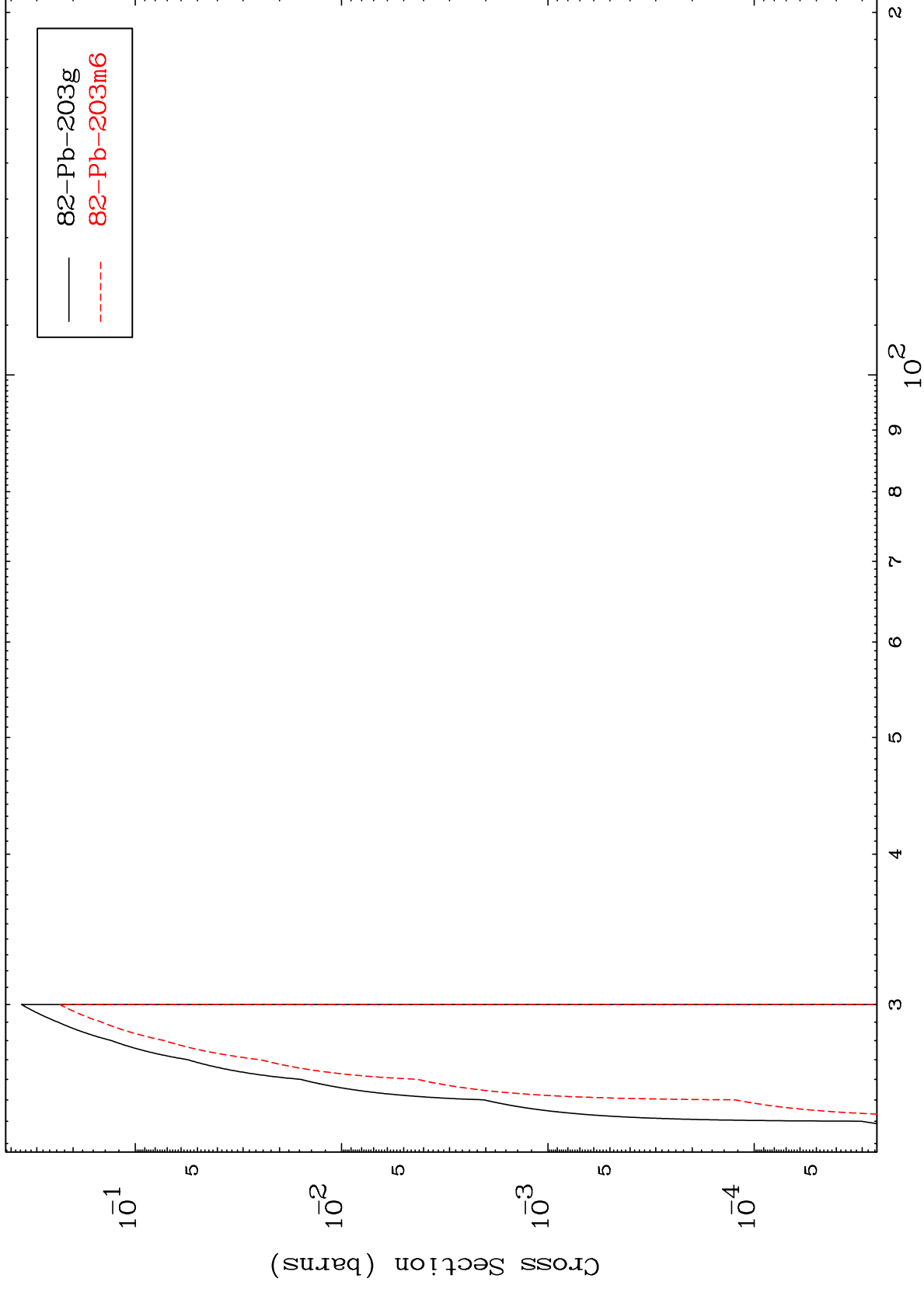


82-Pb-206

MAT 8231

82-Pb-206

(n,4n)  
Radionuclide Production Cross Section



130

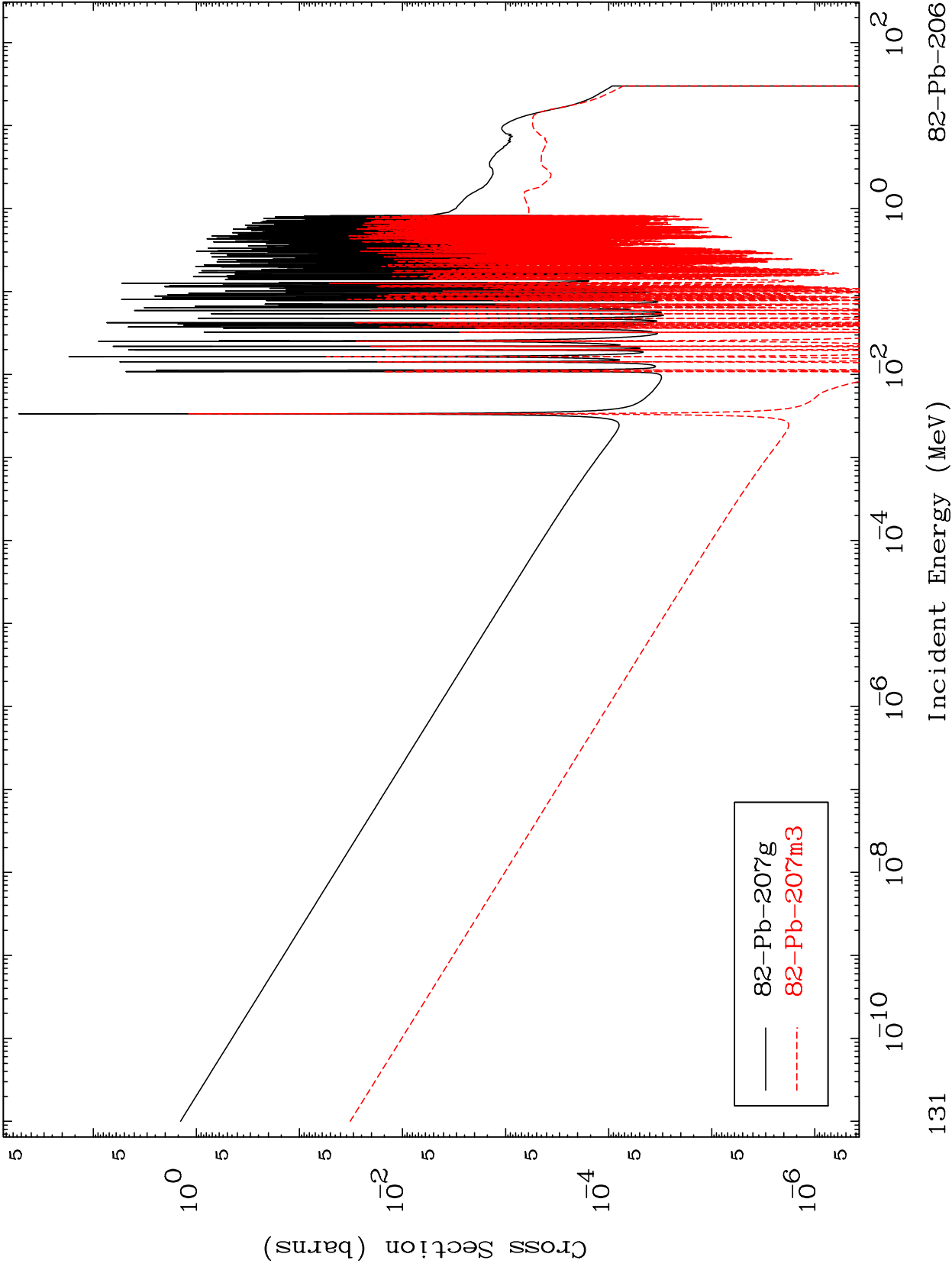
82-Pb-206

Incident Energy (MeV)

MAT 8231

82-Pb-206

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



131

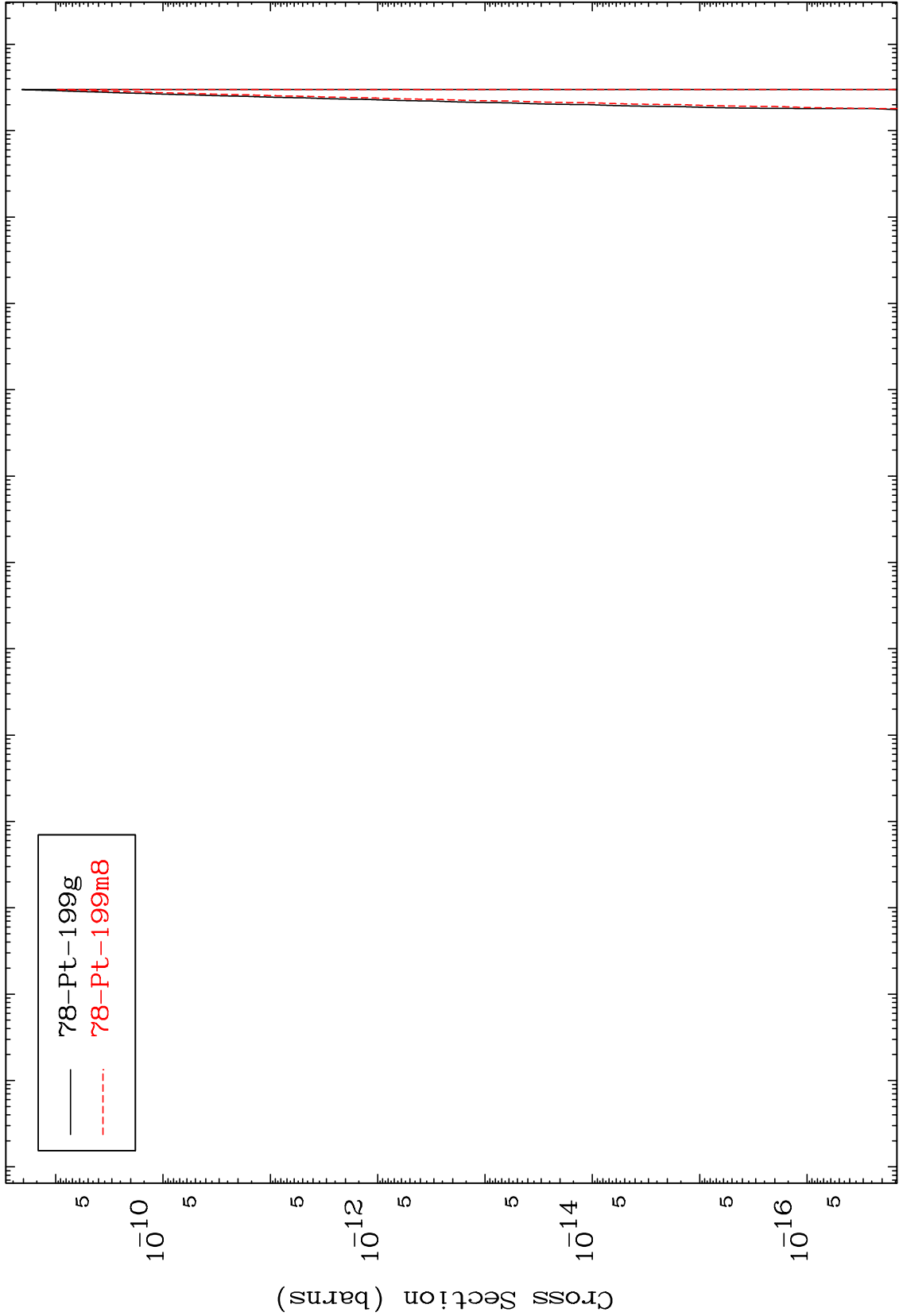
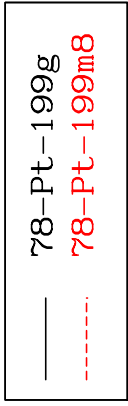
82-Pb-206

MAT 8231

(n,2α)

82-Pb-206

Radionuclide Production Cross Section



82-Pb-206