

Program EVALPLOT  
(Version 2021-1)

by

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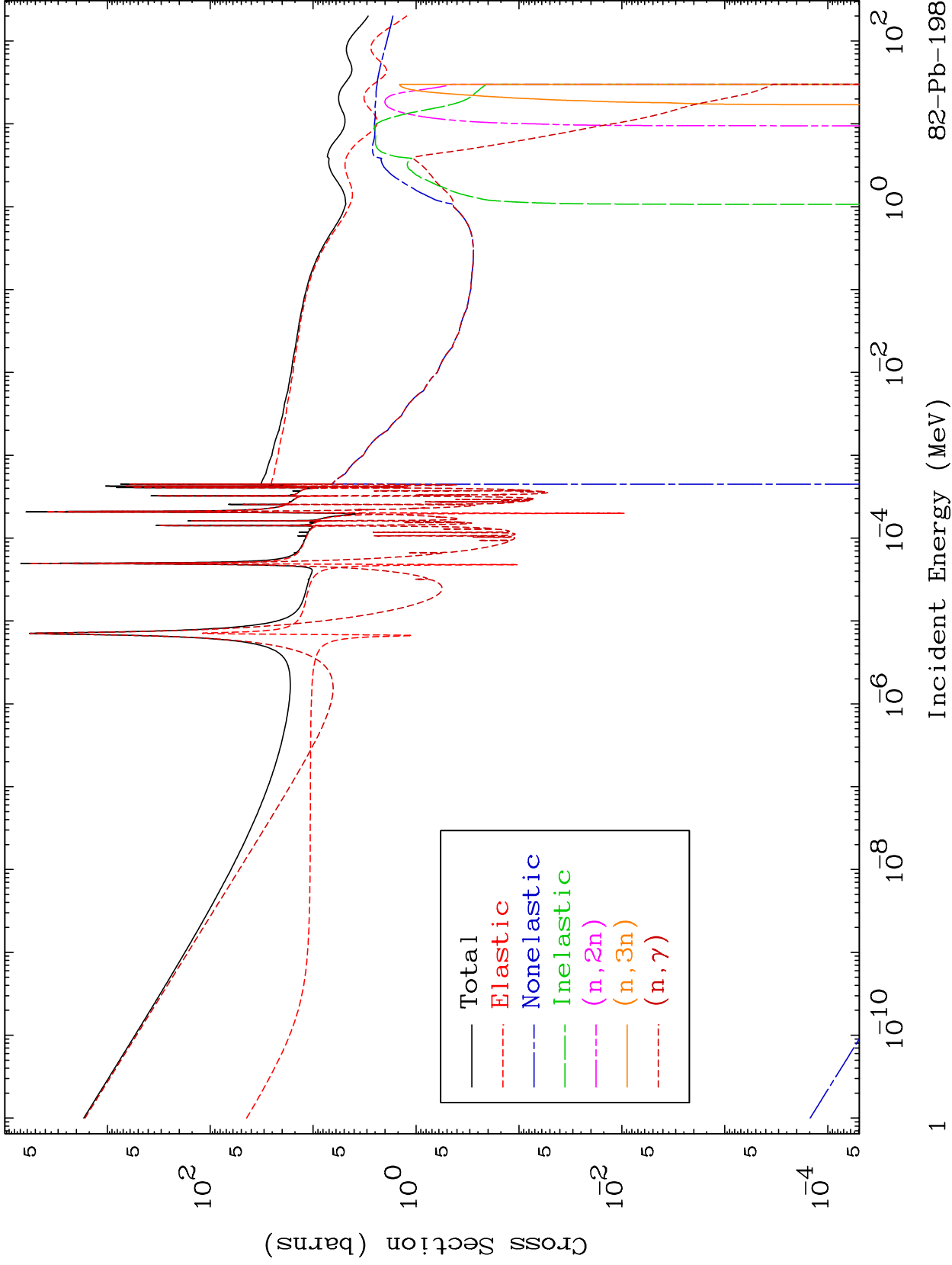
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8207

Neutron Major  
293 Kelvin Cross Sections

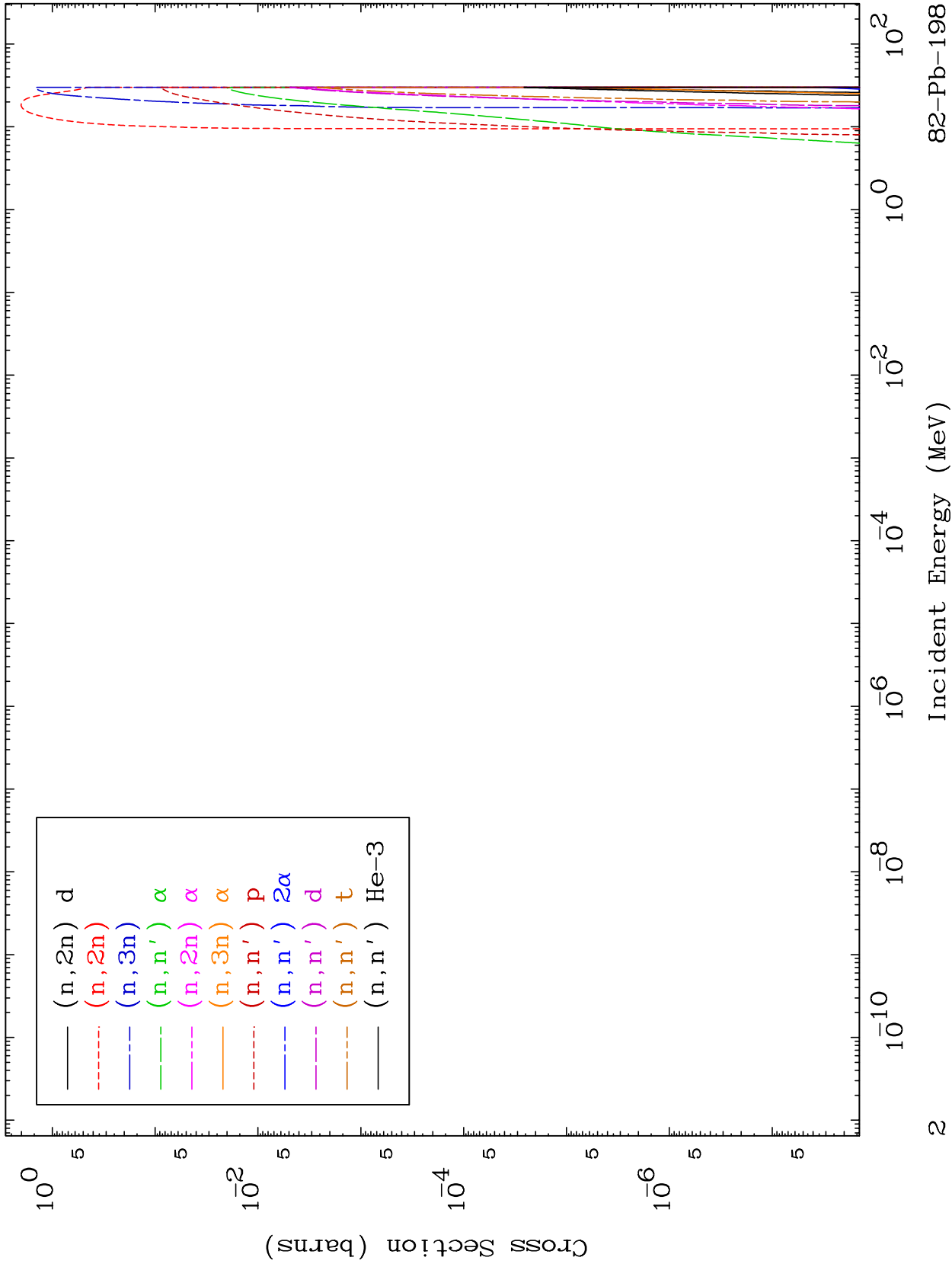
82-Pb-198

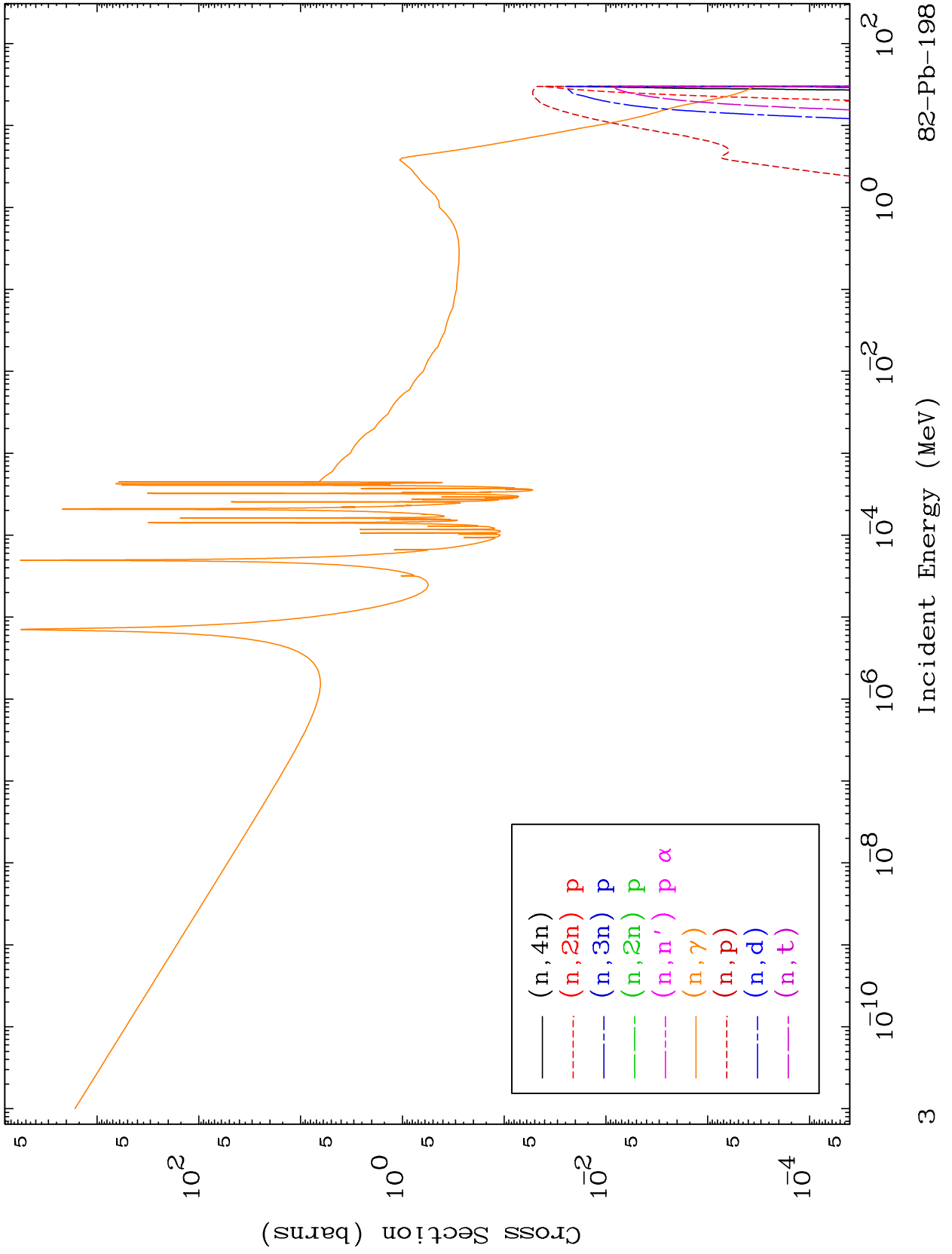


MAT 8207

Neutron Absorption  
293 Kelvin Cross Sections

82-Pb-198

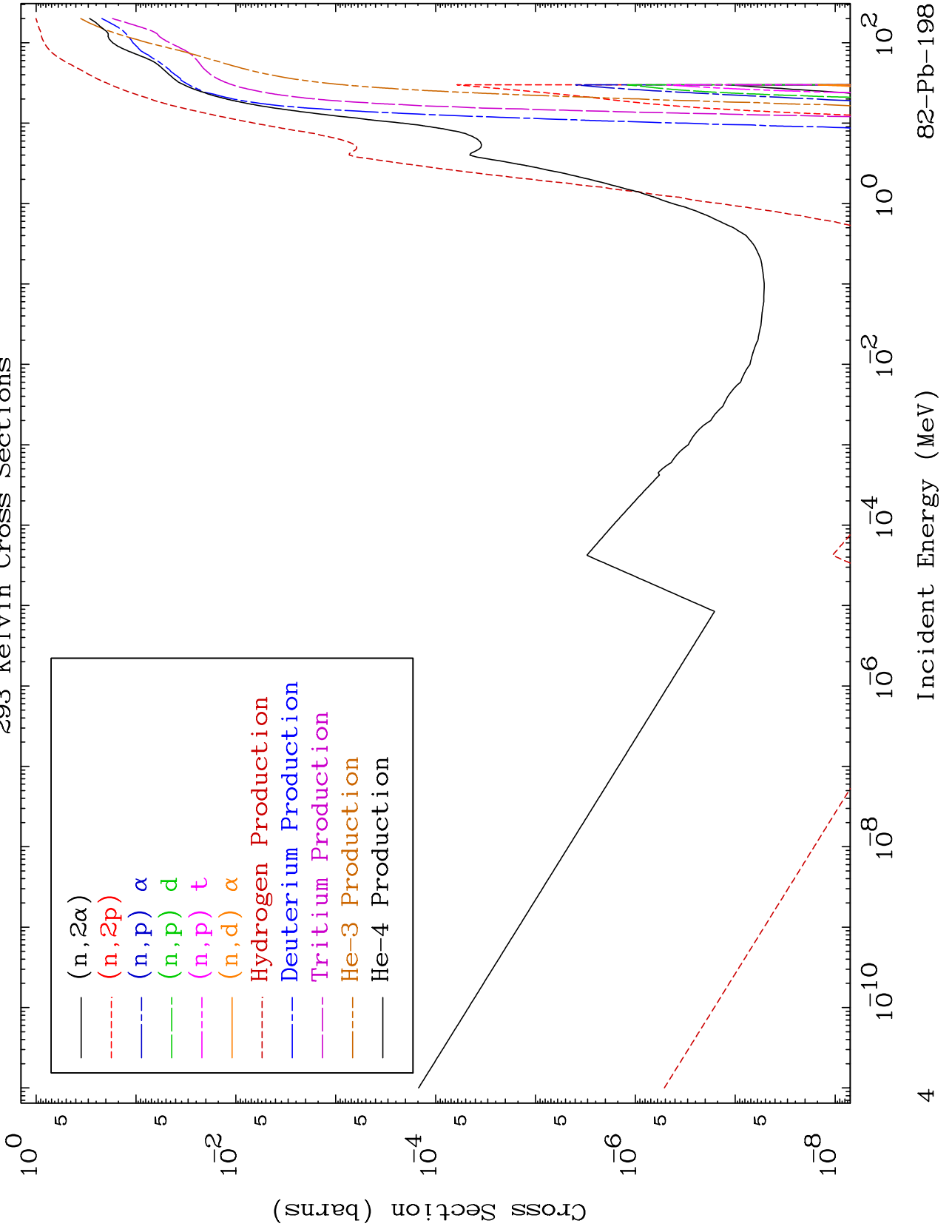




MAT 8207

Neutron Absorption  
293 Kelvin Cross Sections

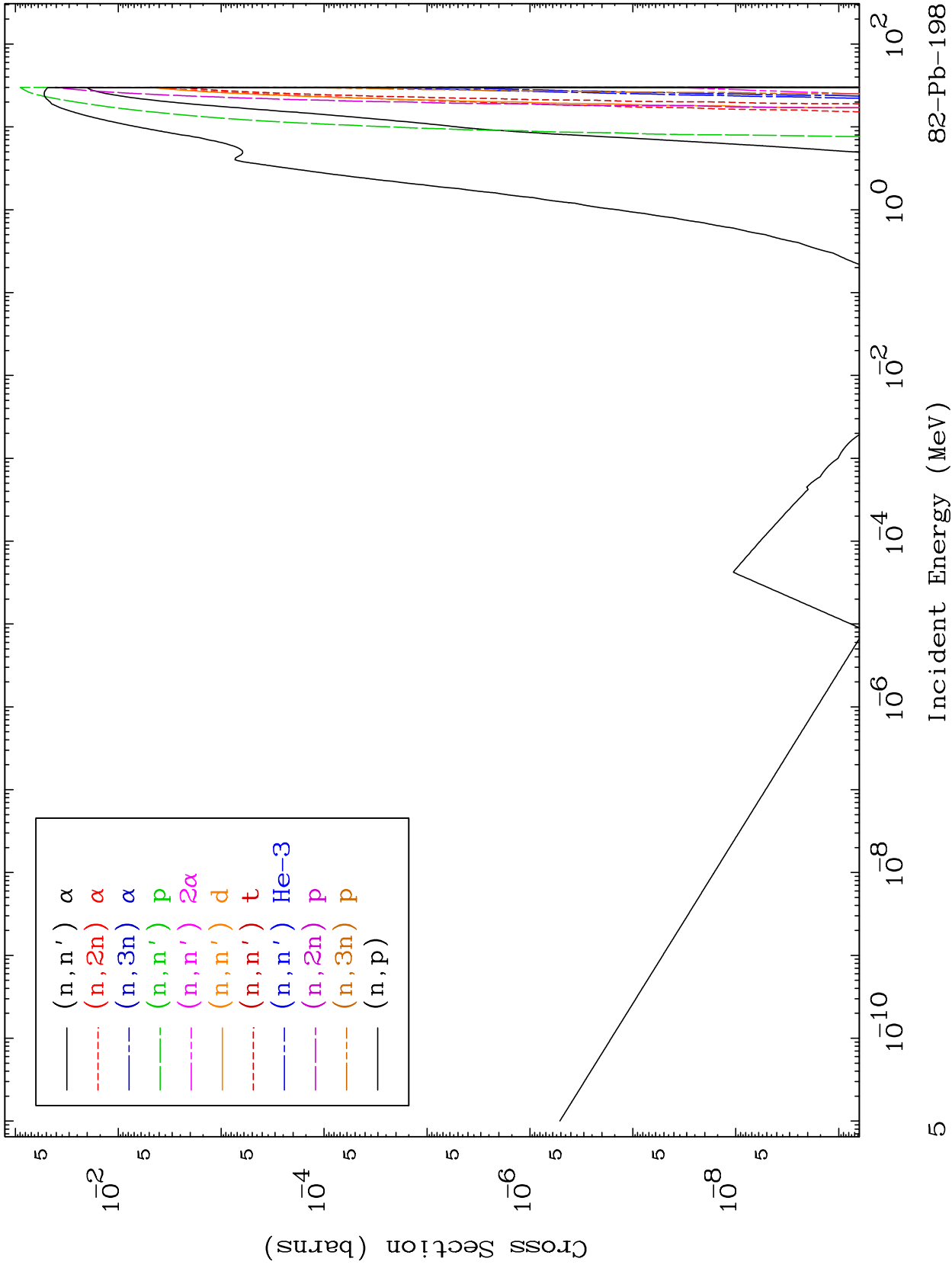
82-Pb-198



MAT 8207

Charged Particle  
293 Kelvin Cross Sections

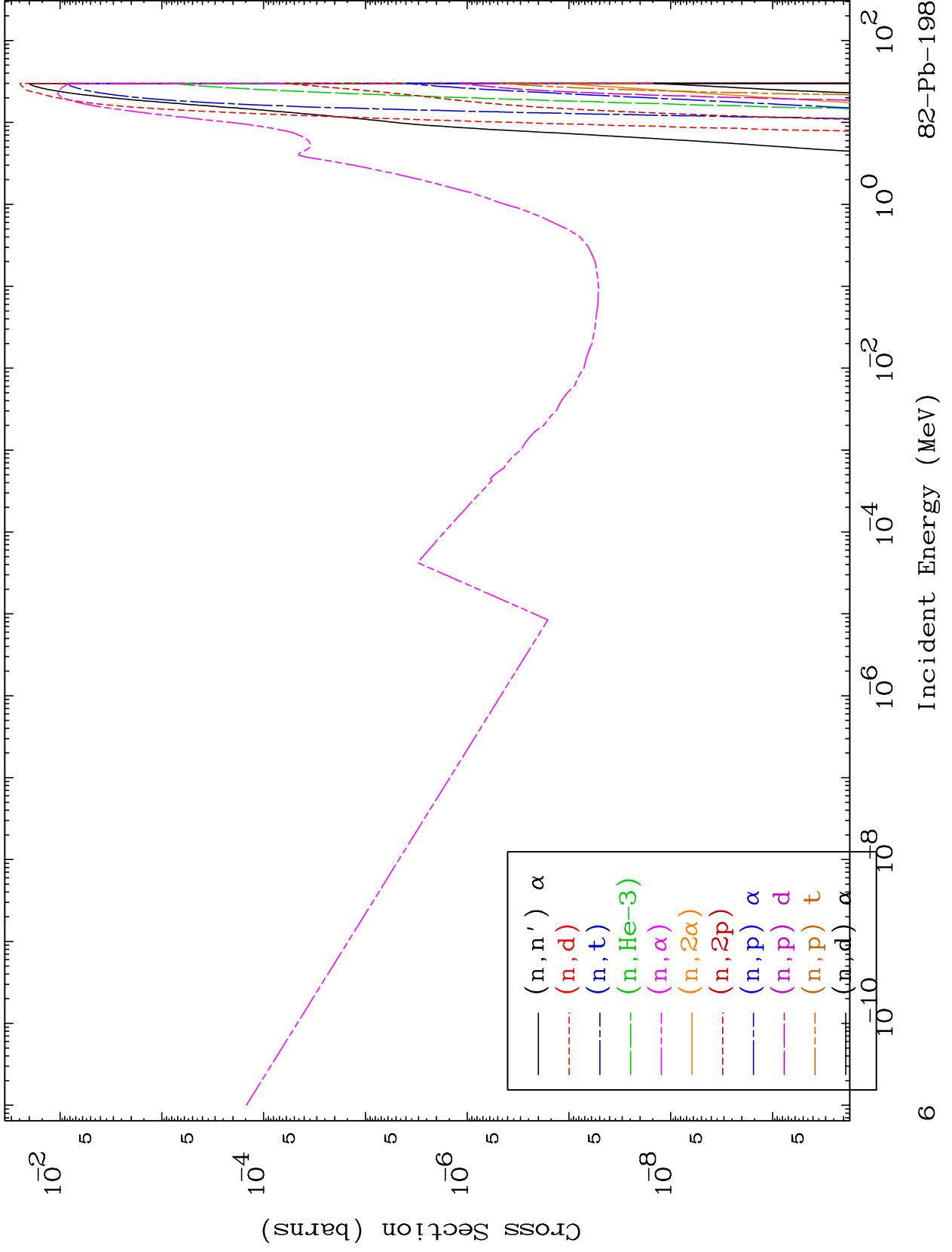
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MAT 8207

Charged Particle  
293 Kelvin Cross Sections

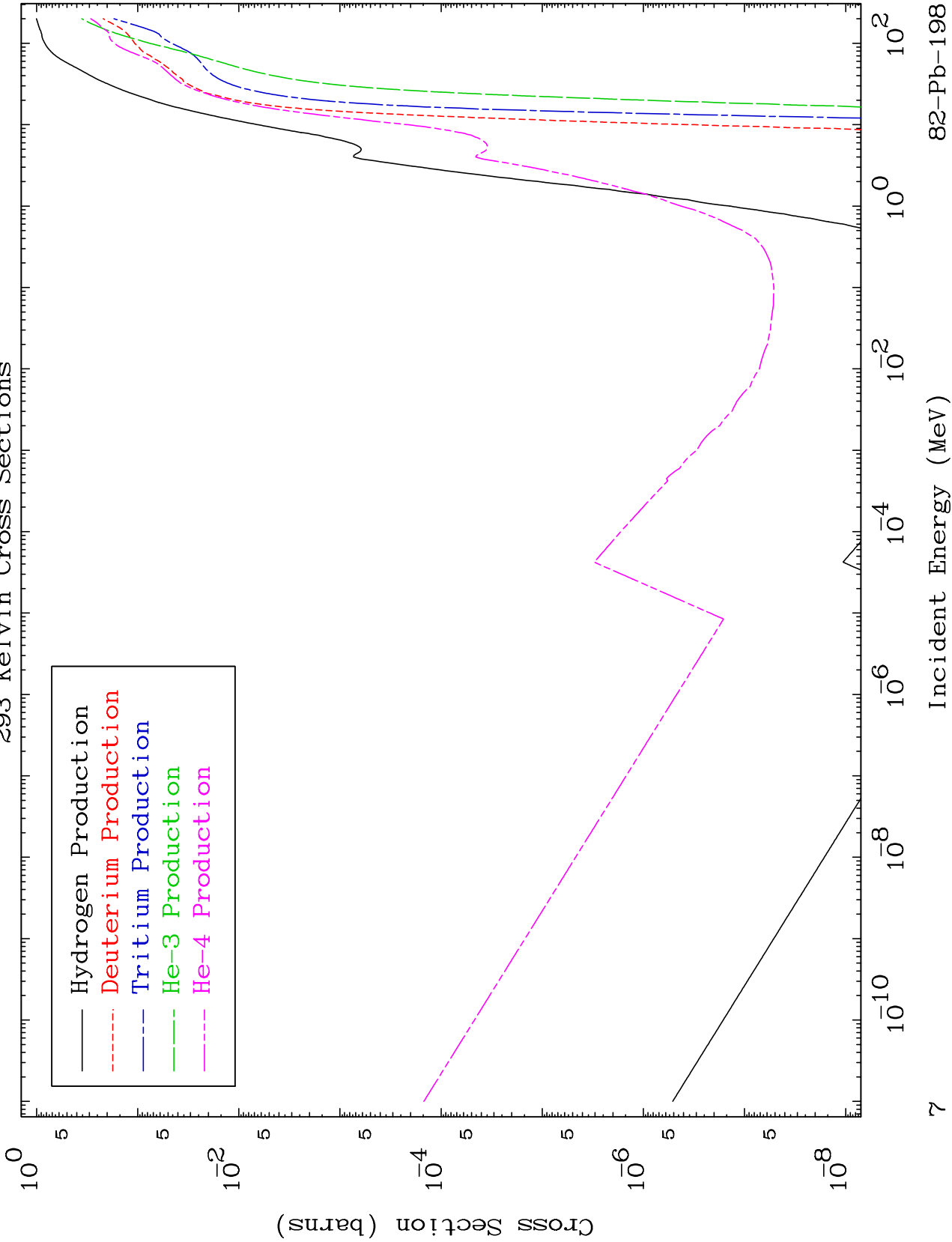
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MAT 8207

Particle Production  
293 Kelvin Cross Sections

82-Pb-198

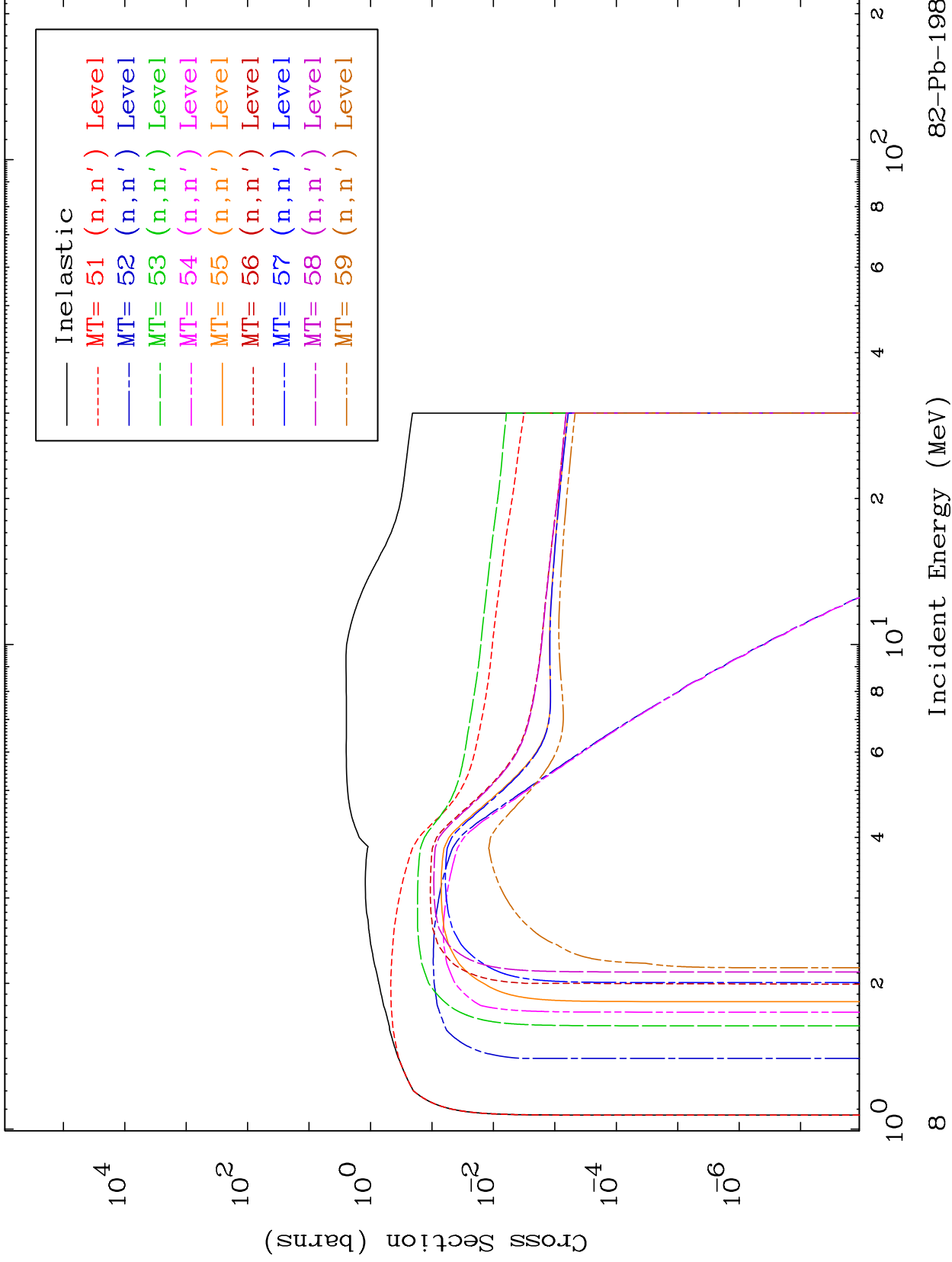


MAT 8207

(n,n') Levels

293 Kelvin Cross Sections

82-Pb-198



Incident Energy (MeV)

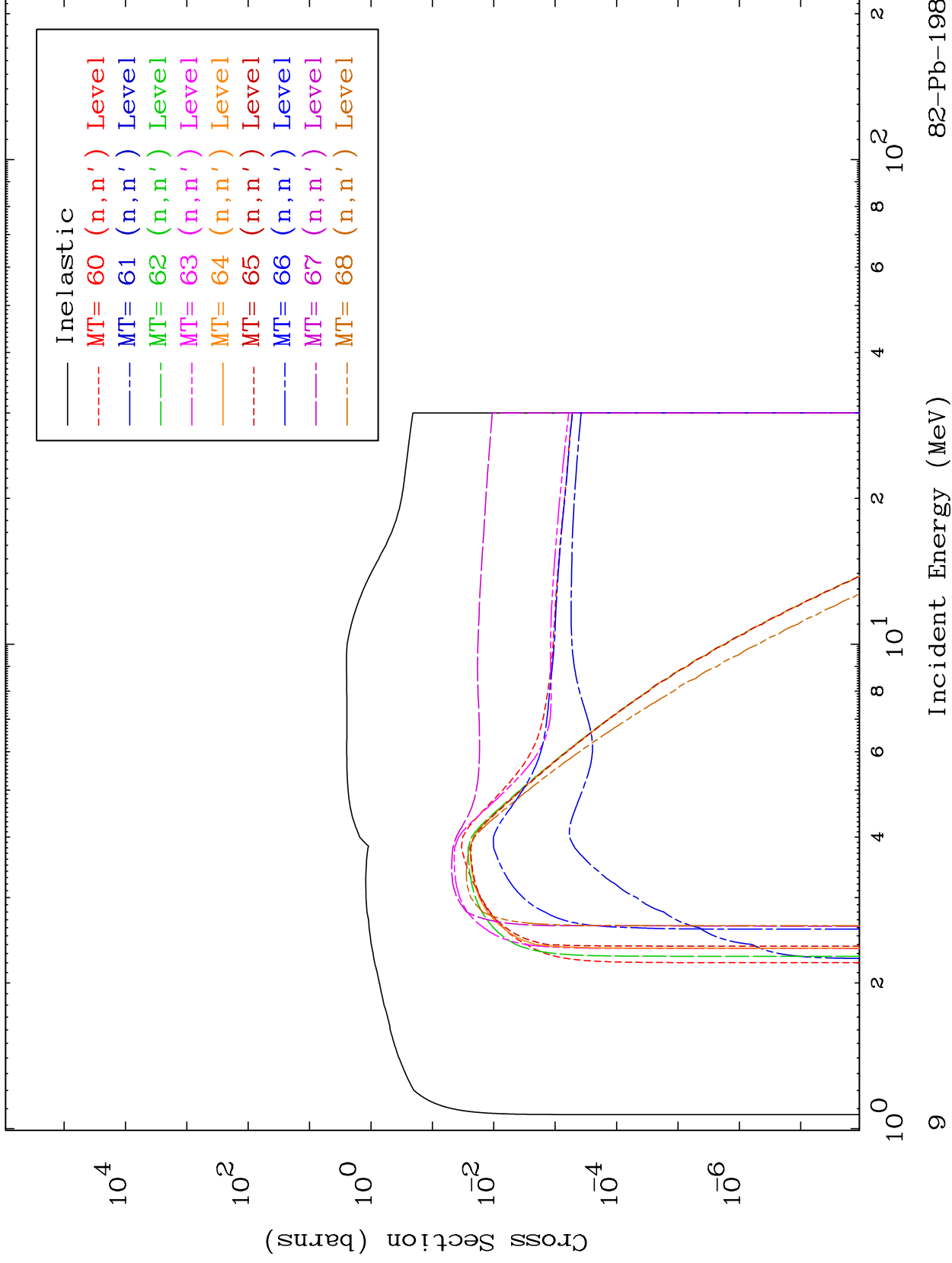
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MAT 8207

(n,n') Levels

293 Kelvin Cross Sections

82-Pb-198



Incident Energy (MeV)

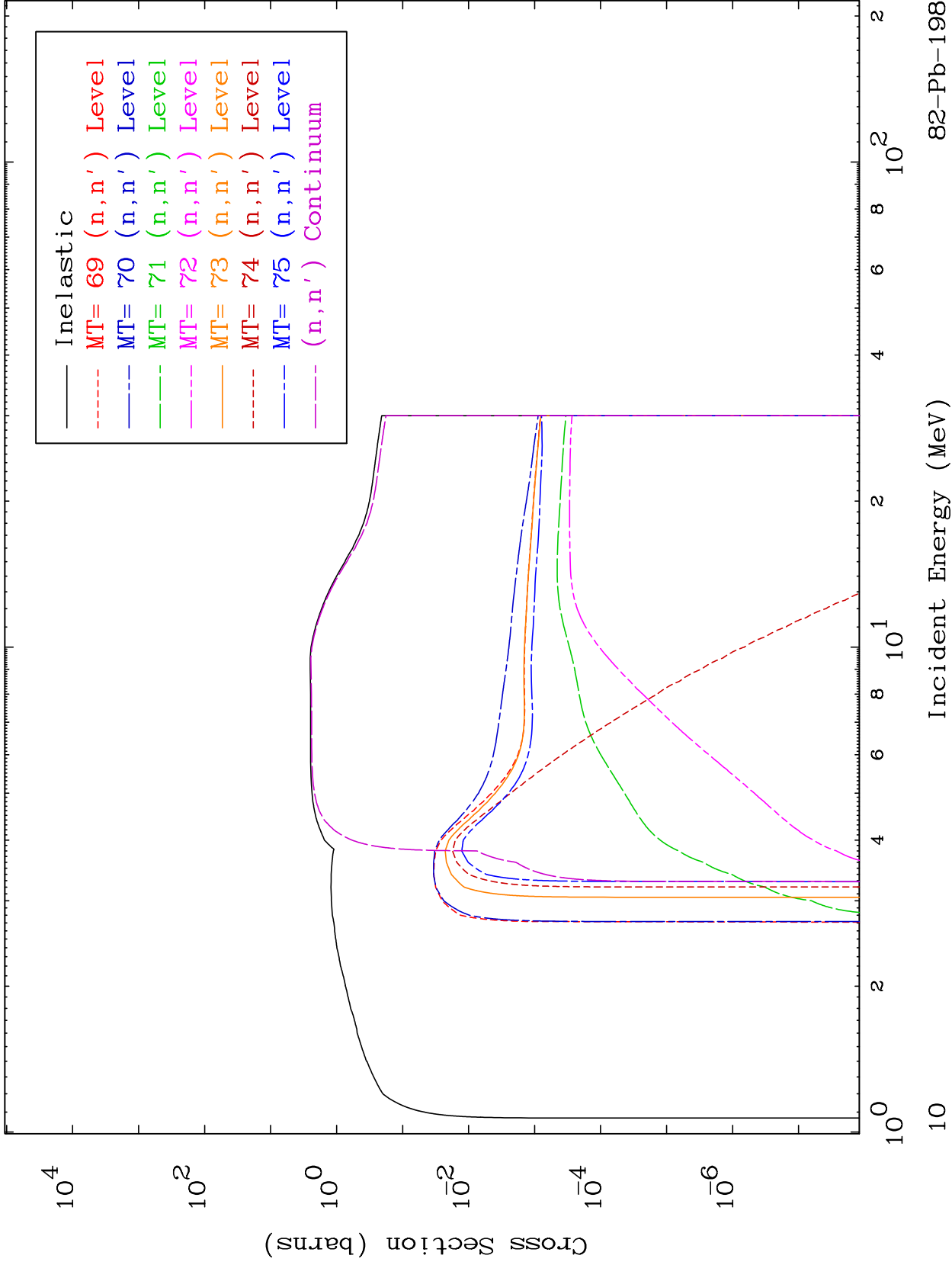
82-Pb-198

MAT 8207

(n,n') Levels

293 Kelvin Cross Sections

82-Pb-198

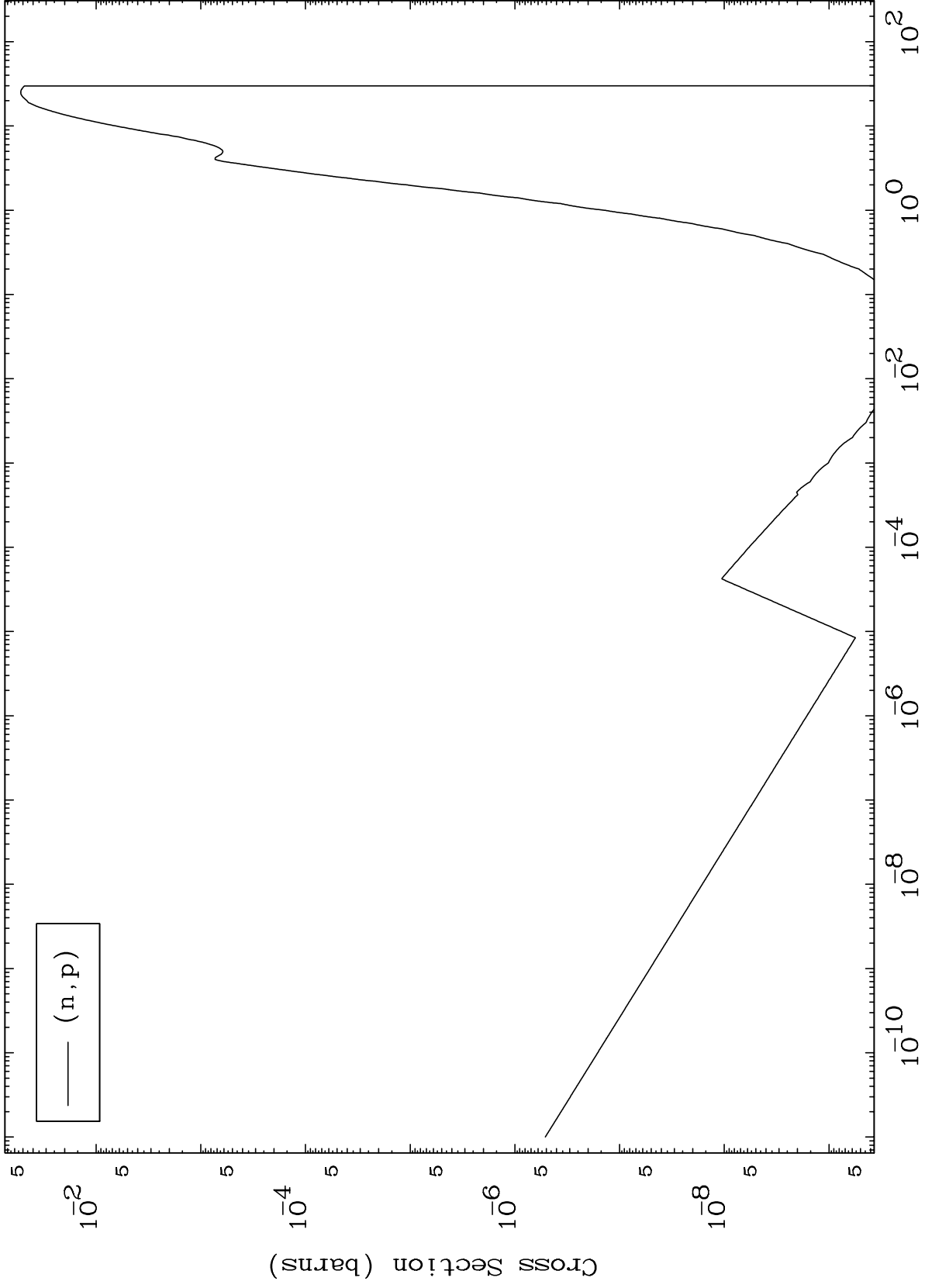


82-Pb-198

MAT 8207

(n,p) Levels  
293 Kelvin Cross Sections

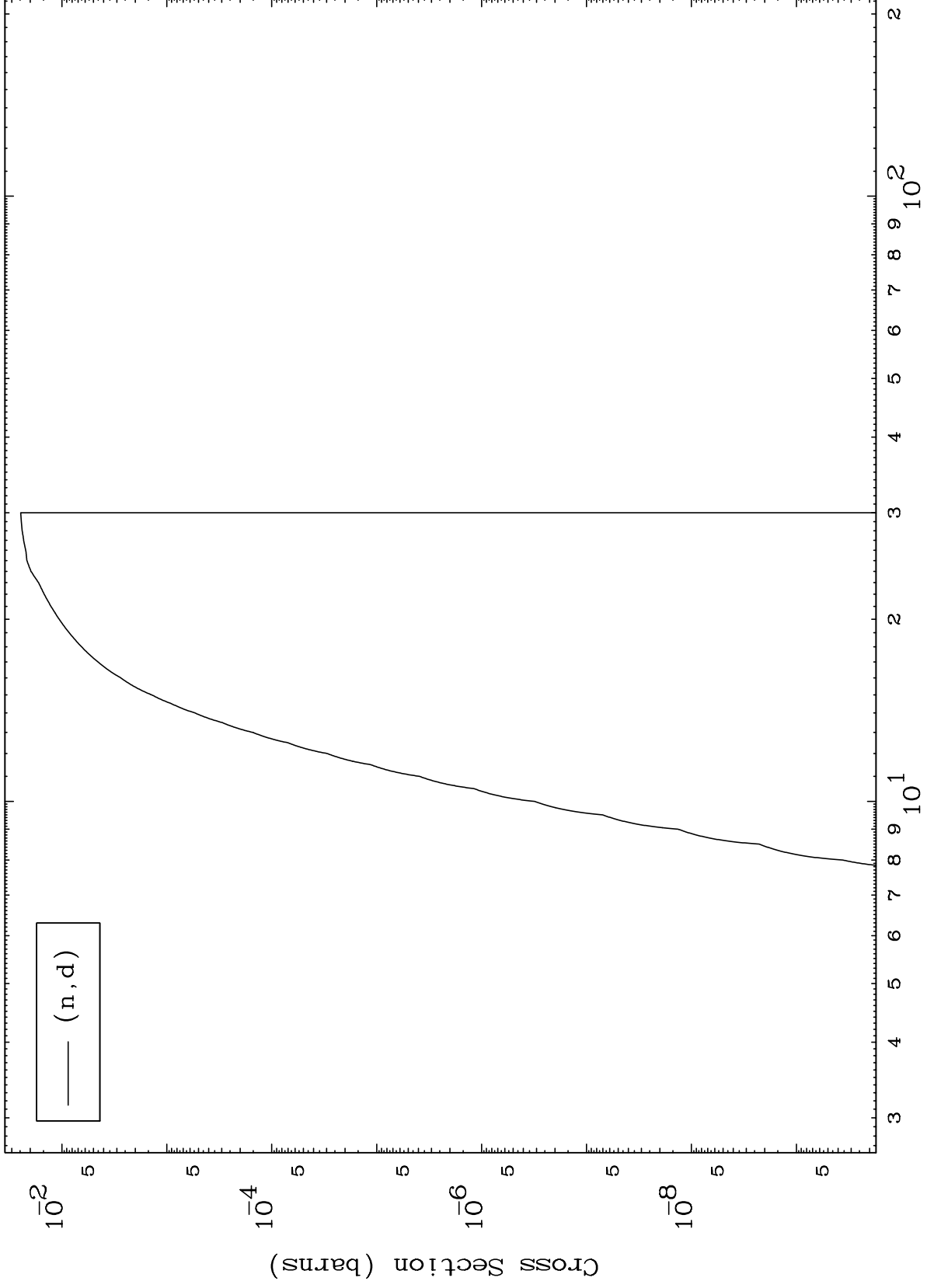
82-Pb-198



MAT 8207

(n,d) Levels  
293 Kelvin Cross Sections

82-Pb-198



12

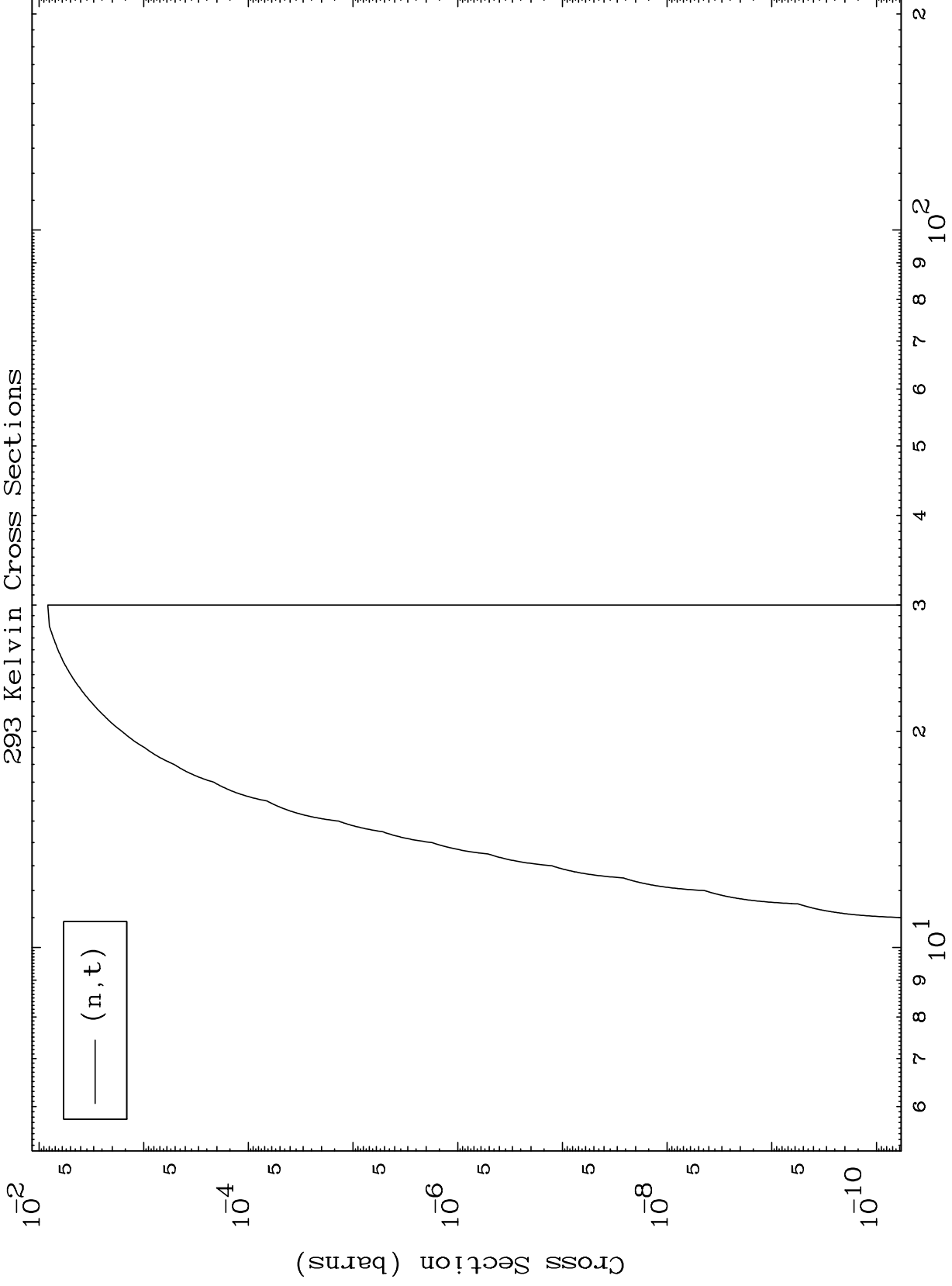
Incident Energy (MeV)

82-Pb-198

MAT 8207

(n,t) Levels  
293 Kelvin Cross Sections

82-Pb-198



13

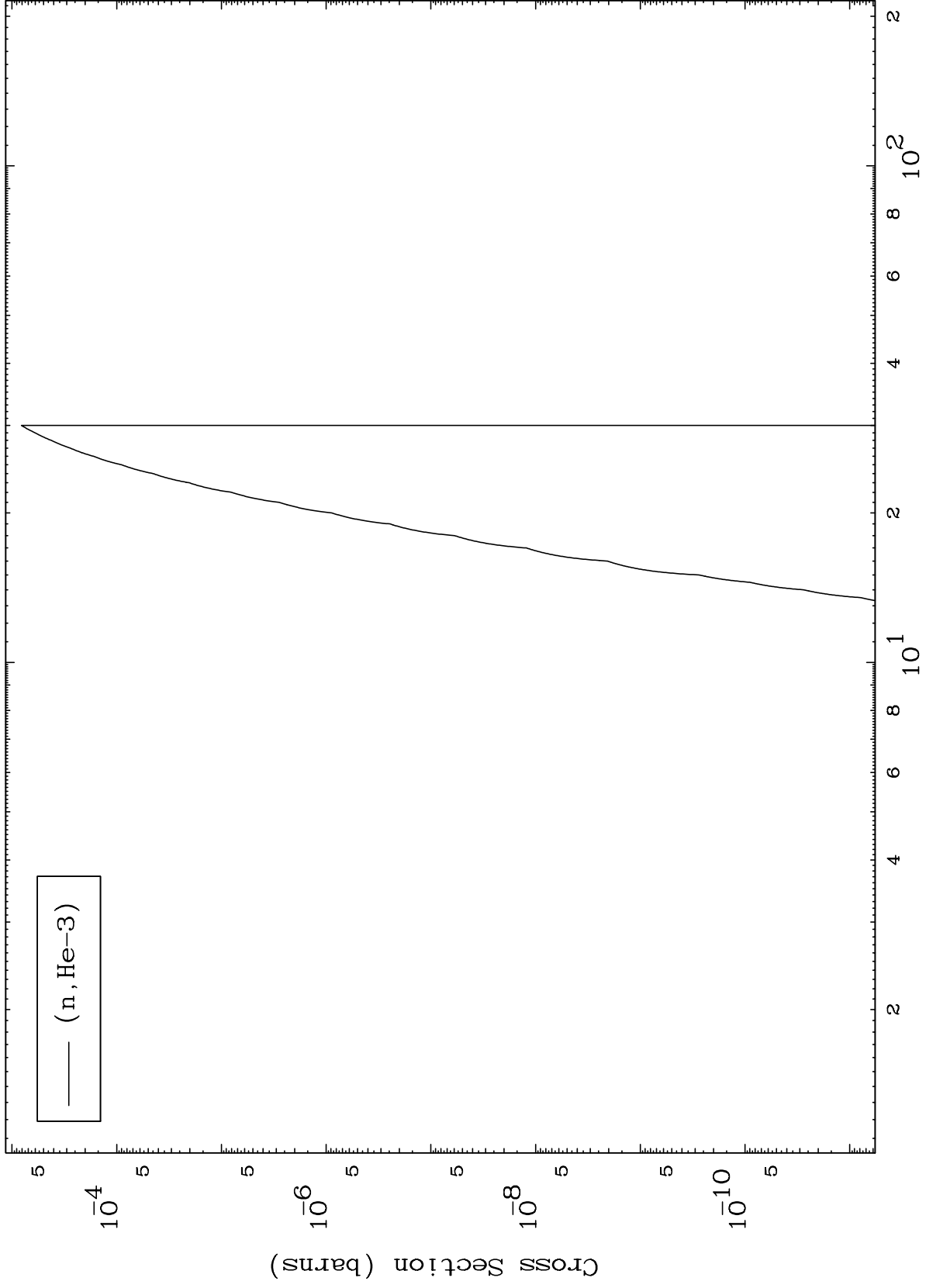
Incident Energy (MeV)

82-Pb-198

MAT 8207

(n,He3) Levels  
293 Kelvin Cross Sections

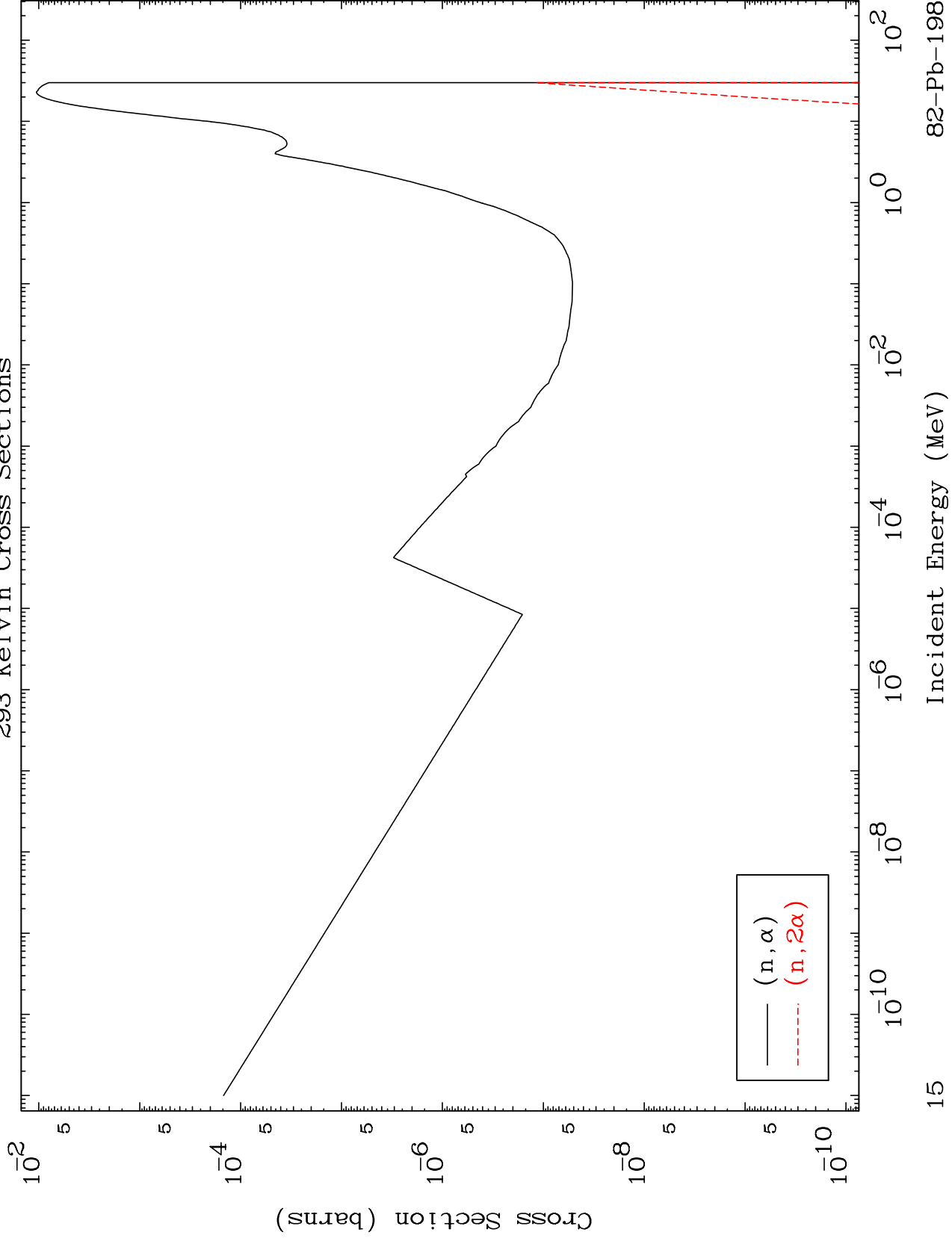
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MAT 8207

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

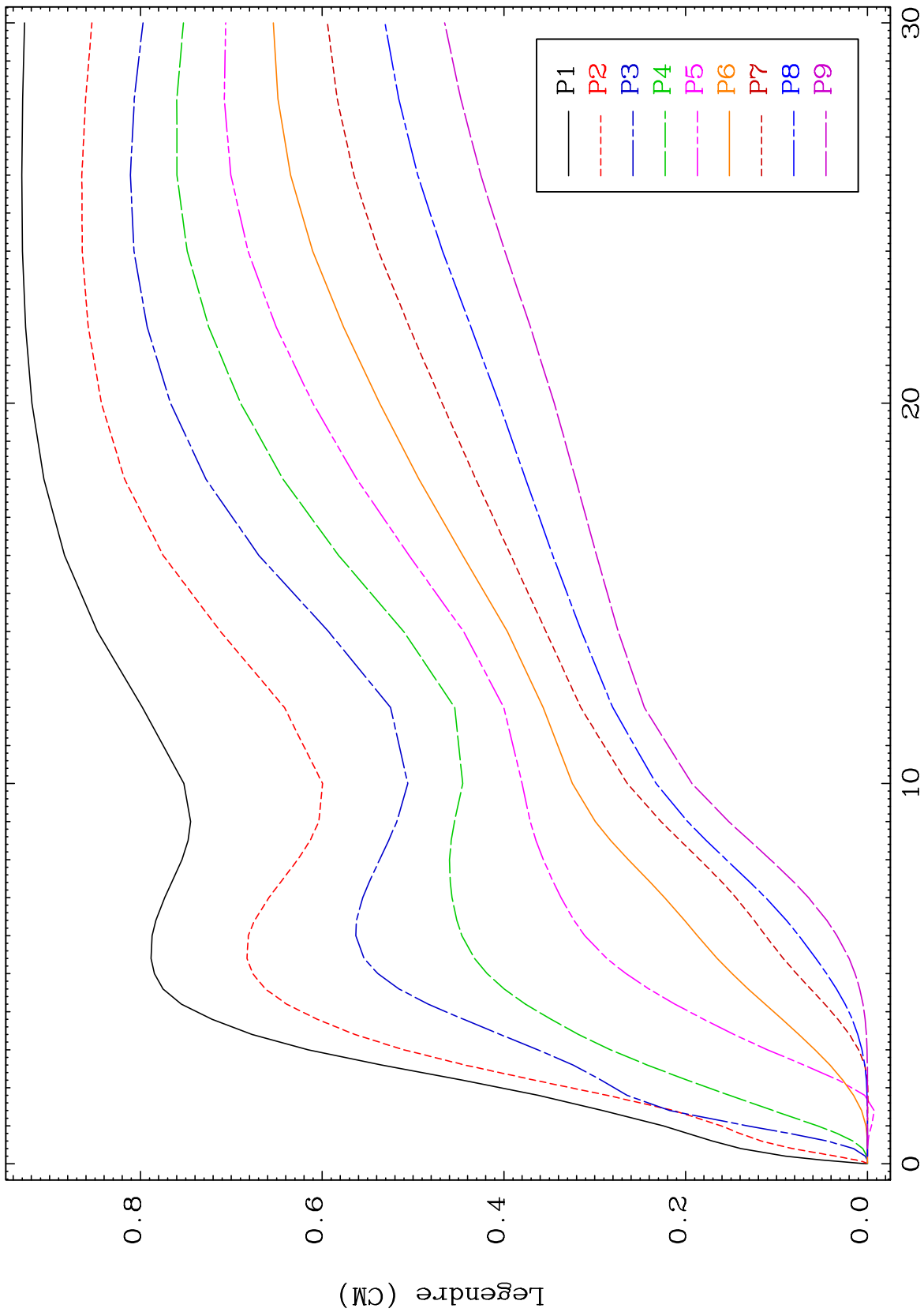
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MAT 8207

82-Pb-198

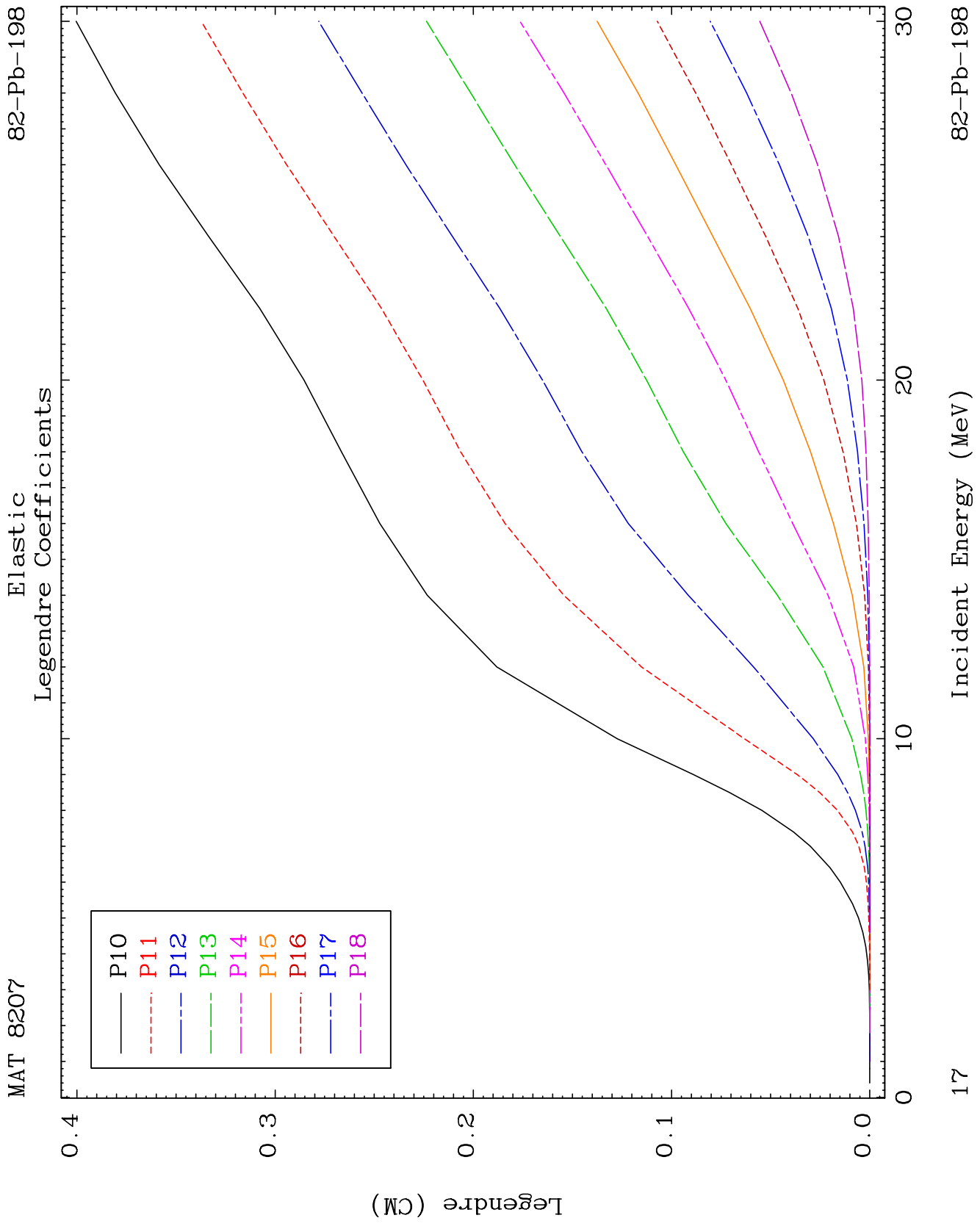
Elastic Legendre Coefficients



82-Pb-198

Incident Energy (MeV)

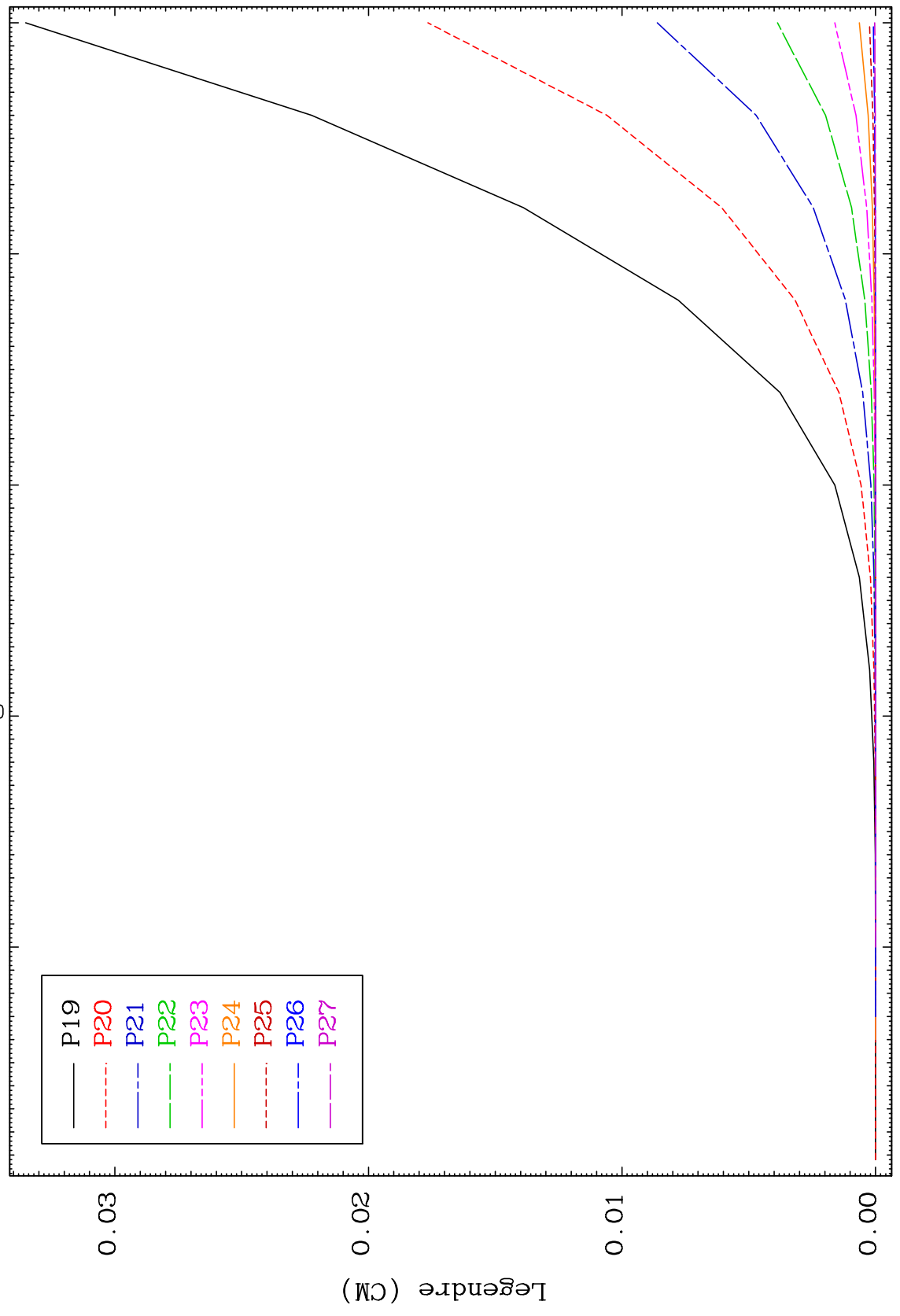
16



MAT 8207

Elastic Legendre Coefficients

82-Pb-198



18

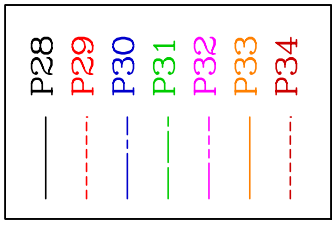
Incident Energy (MeV)

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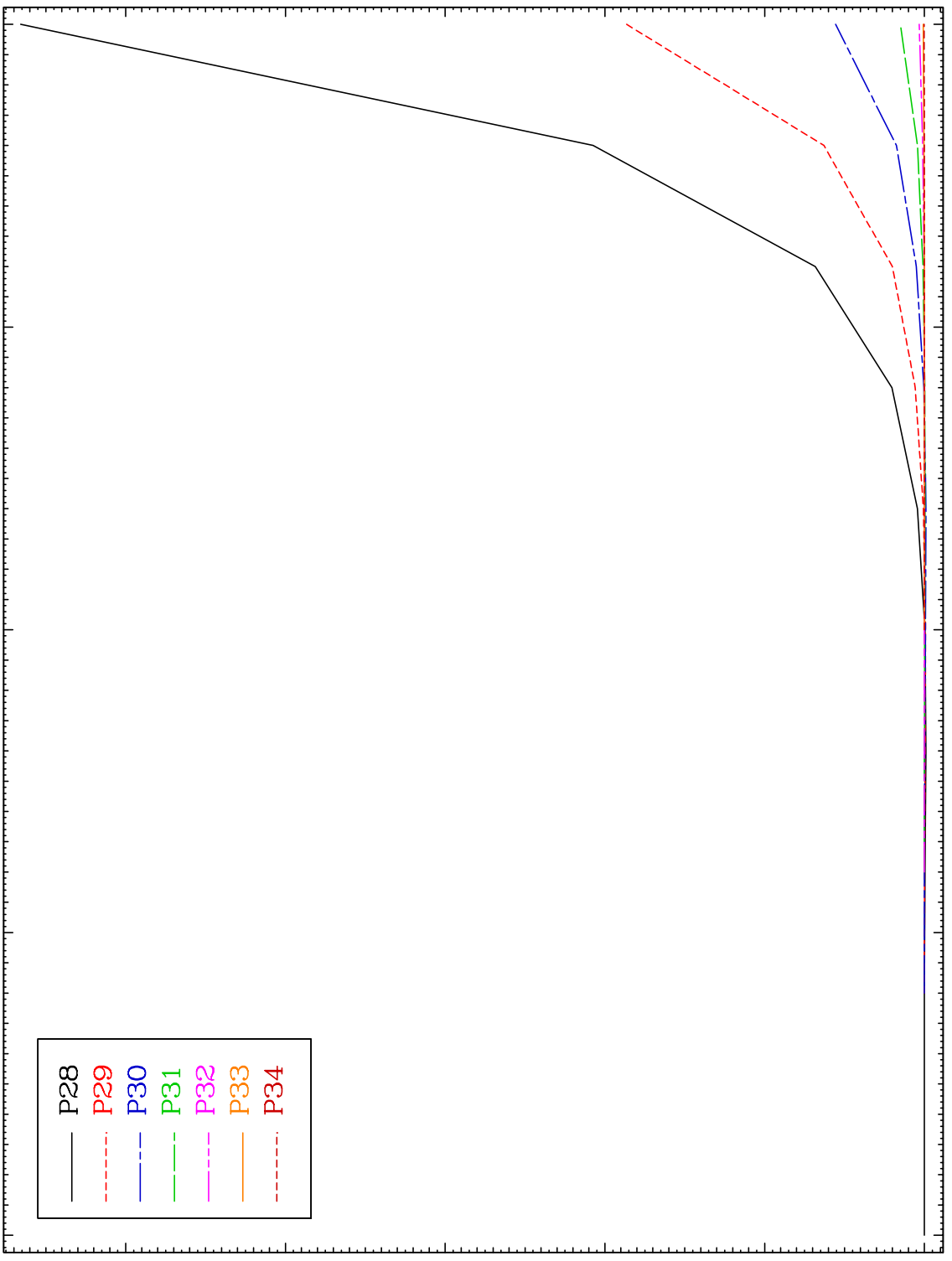
MAT 8207

Elastic Legendre Coefficients

82-Pb-198



$\times 10^{-5}$   
1.0  
0.8  
0.6  
0.4  
0.2  
0.0



30  
25  
20  
15  
10

Incident Energy (MeV)

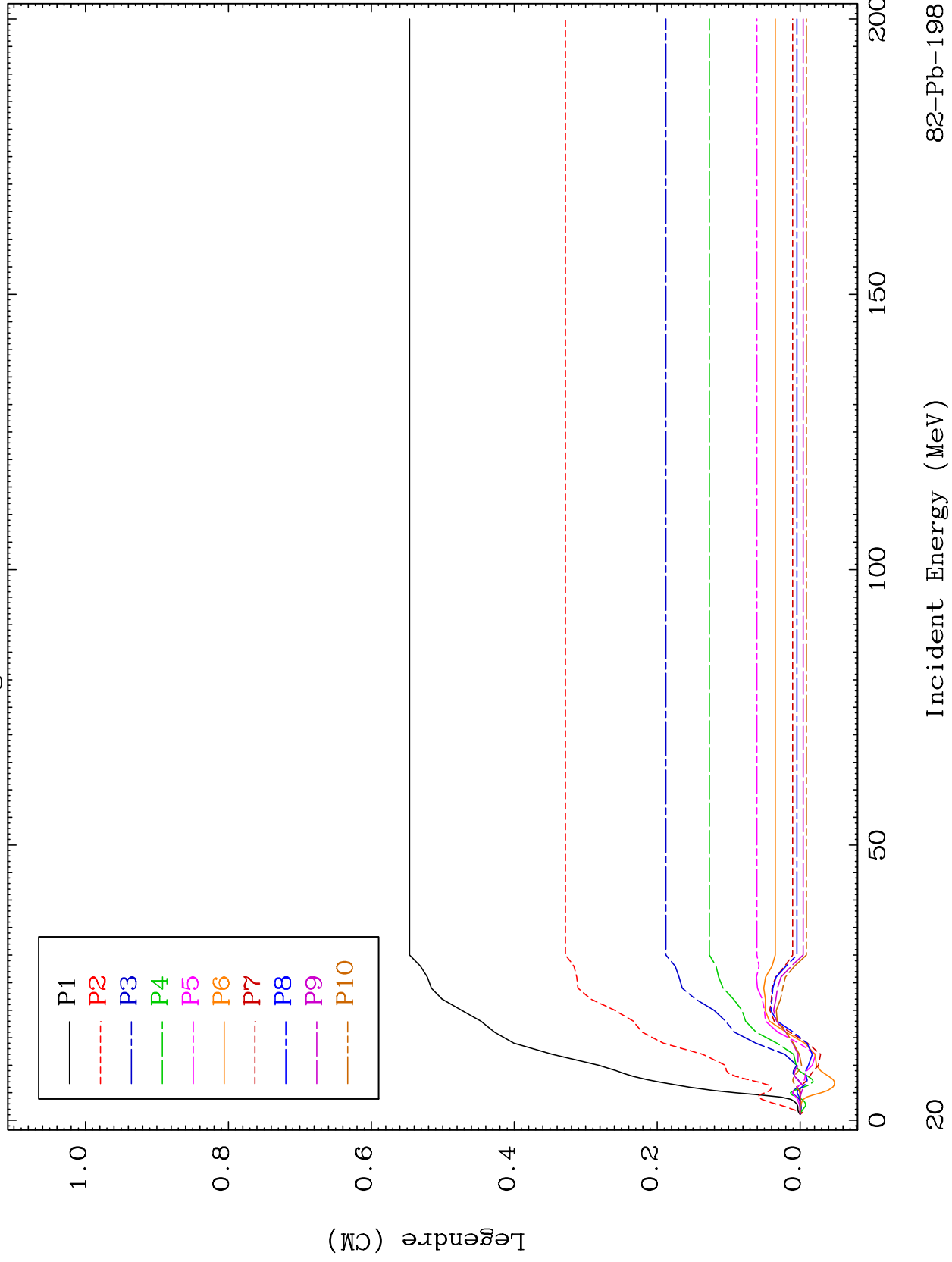
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19

MAT 8207

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

82-Pb-198



82-Pb-198

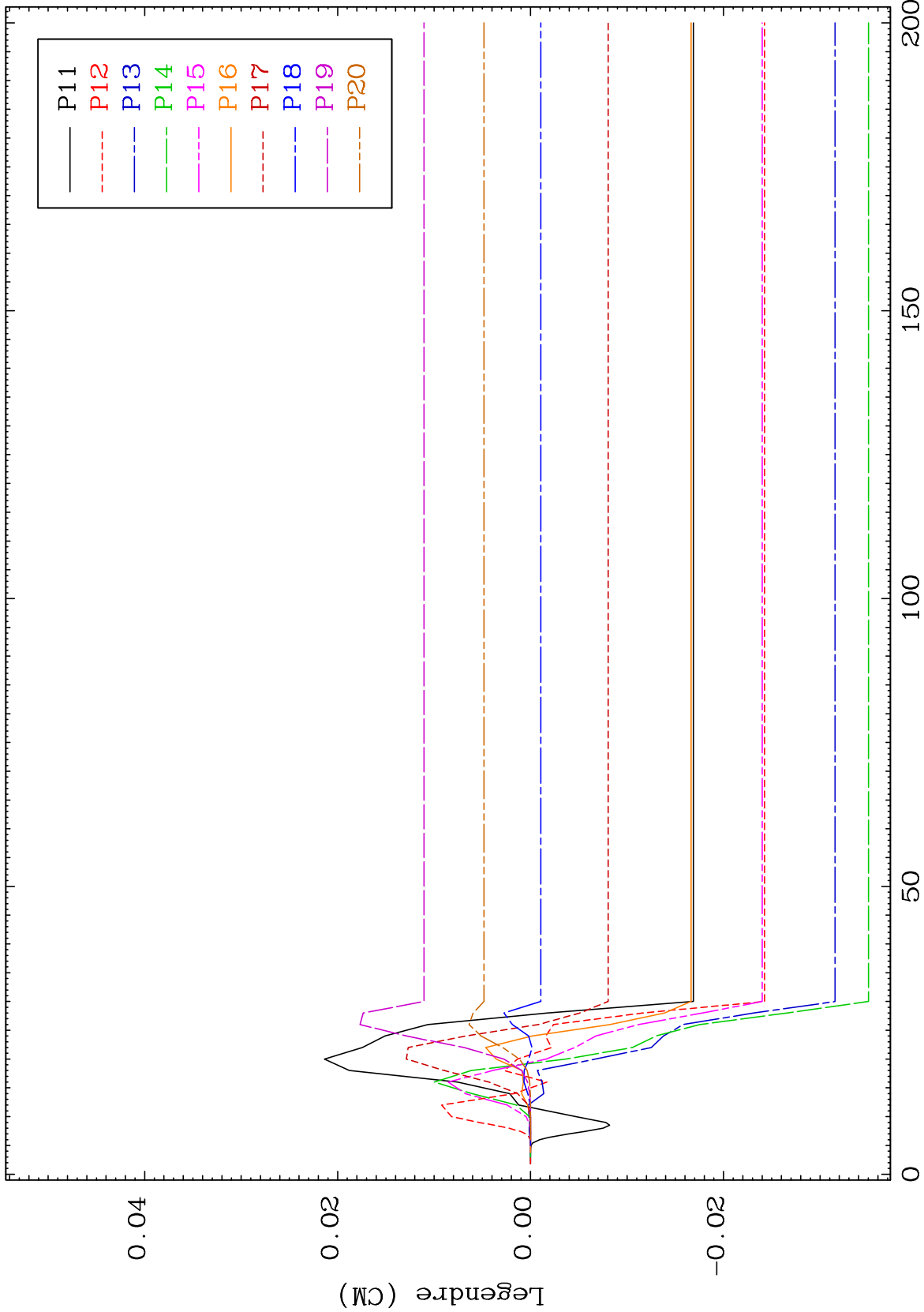
Incident Energy (MeV)

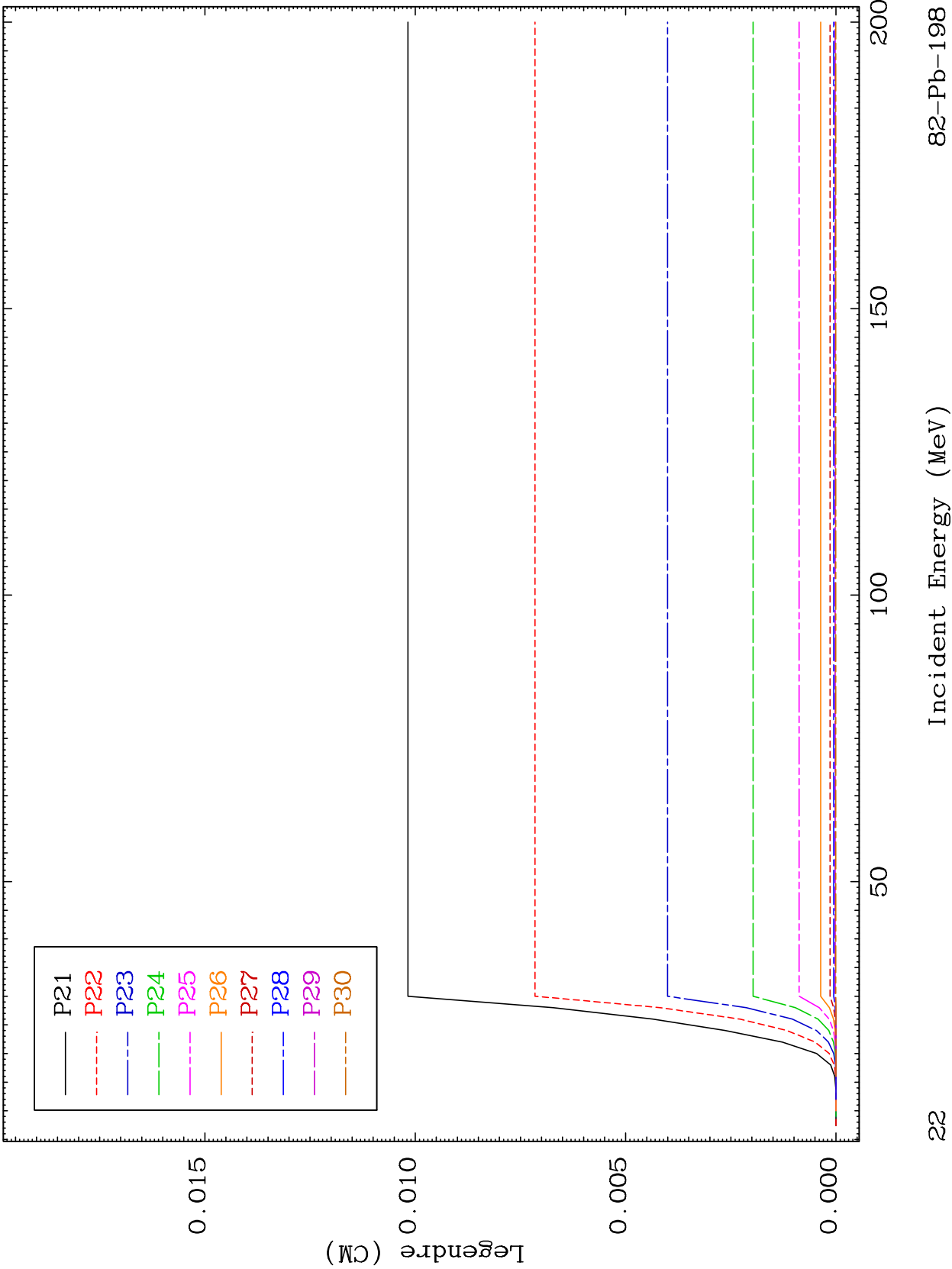
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MAT 8207

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

82-Pb-198

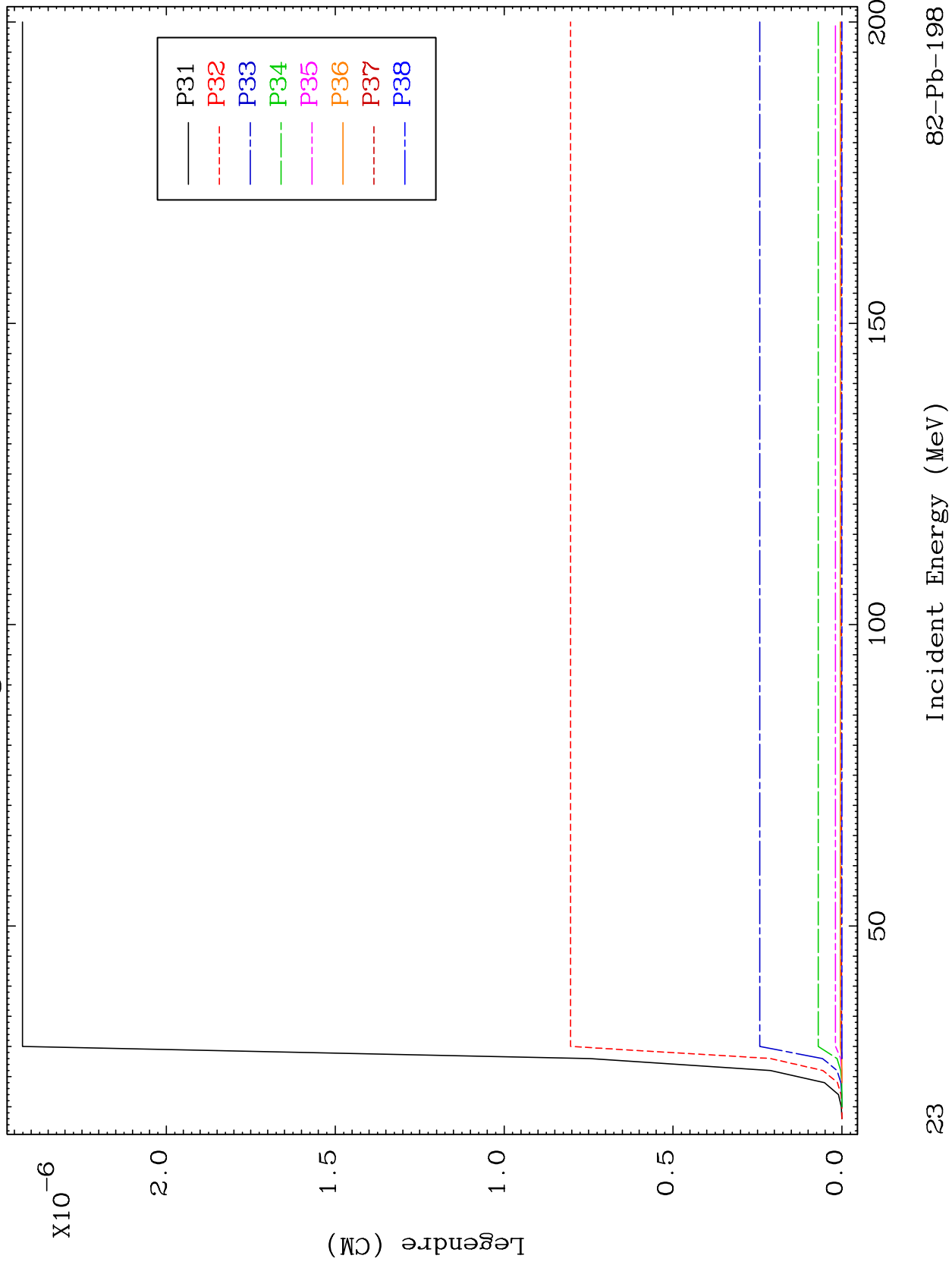




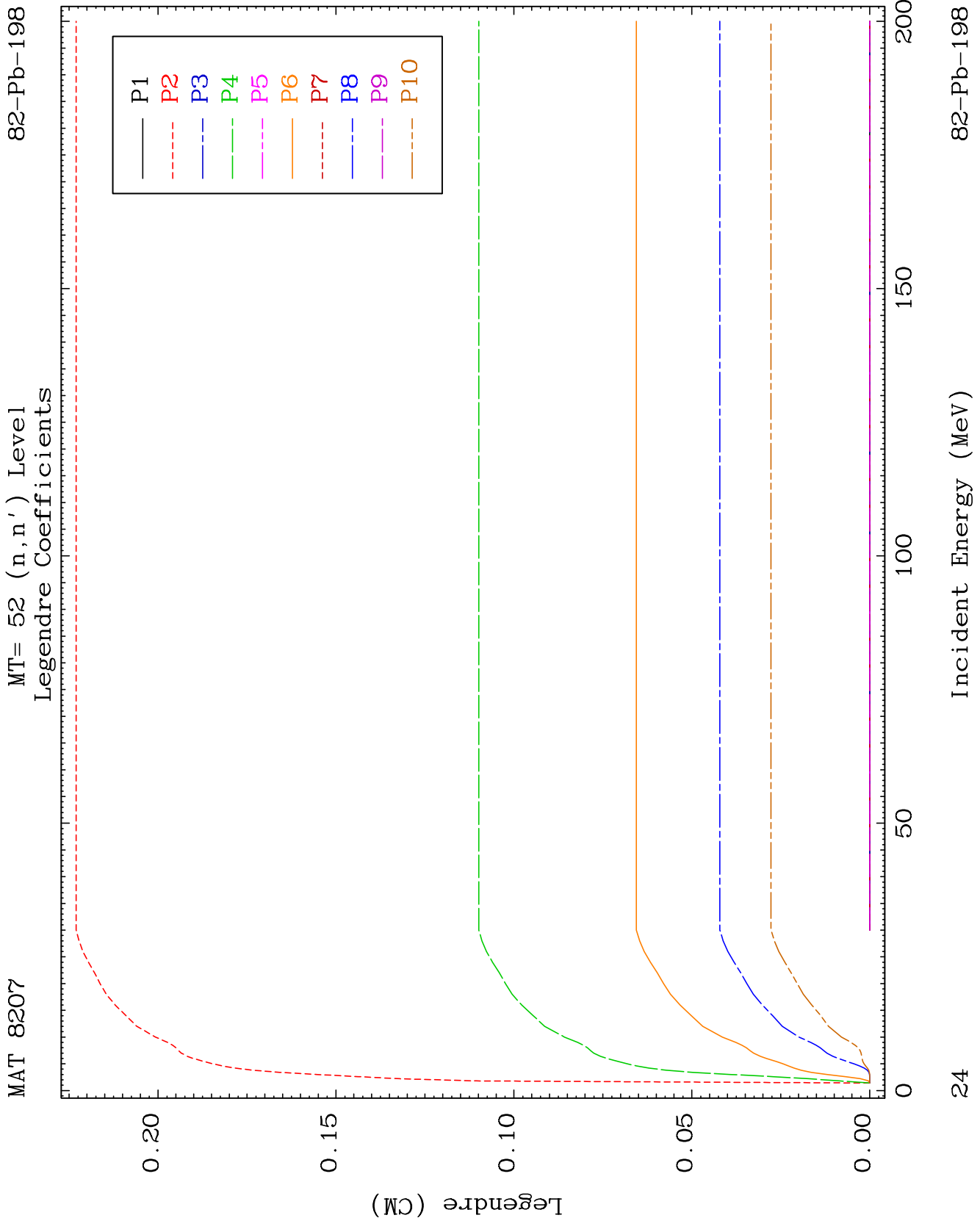
MAT 8207

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

82-Pb-198



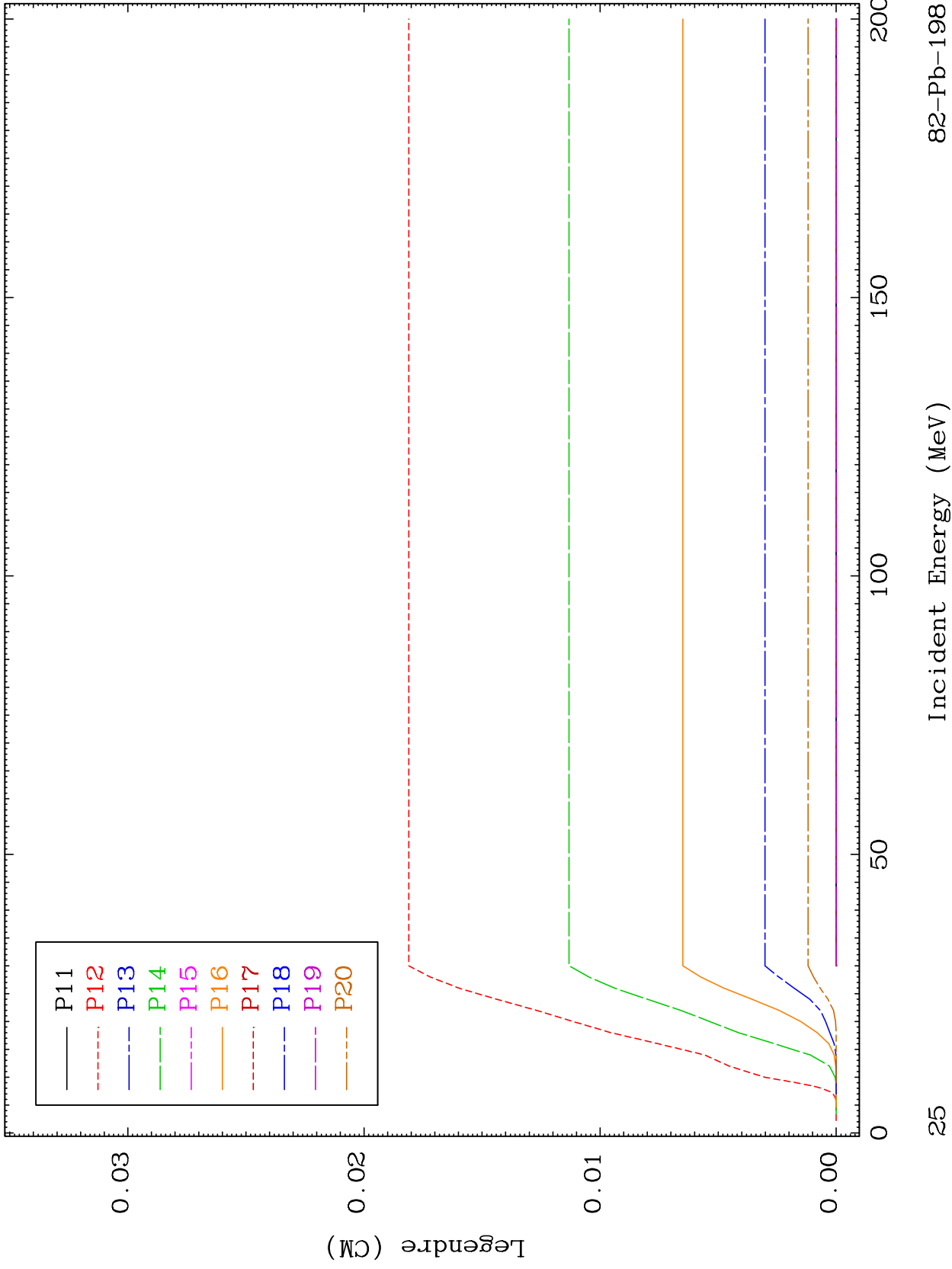
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MAT 8207

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

82-Pb-198



25

50

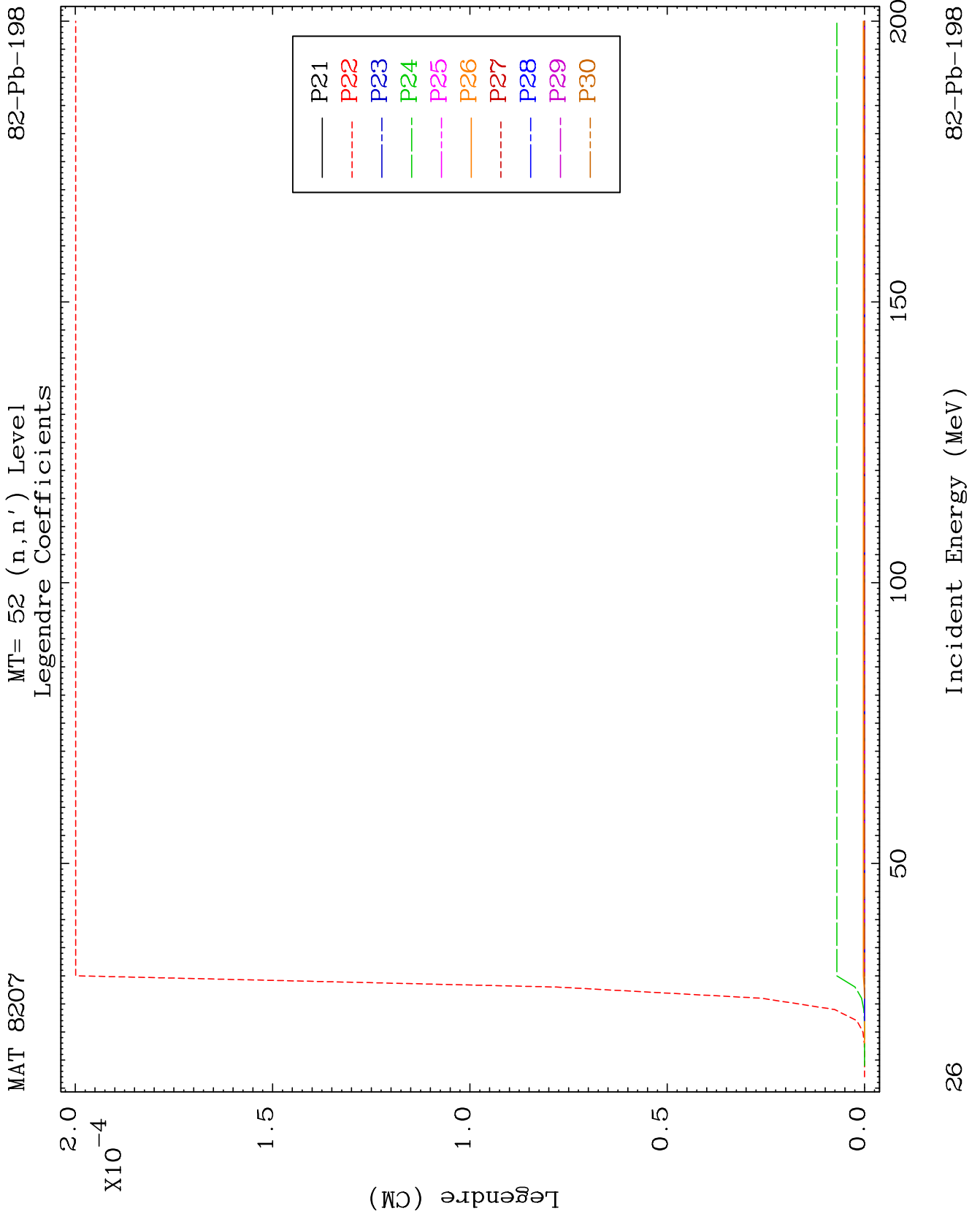
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150

200

Incident Energy (MeV)

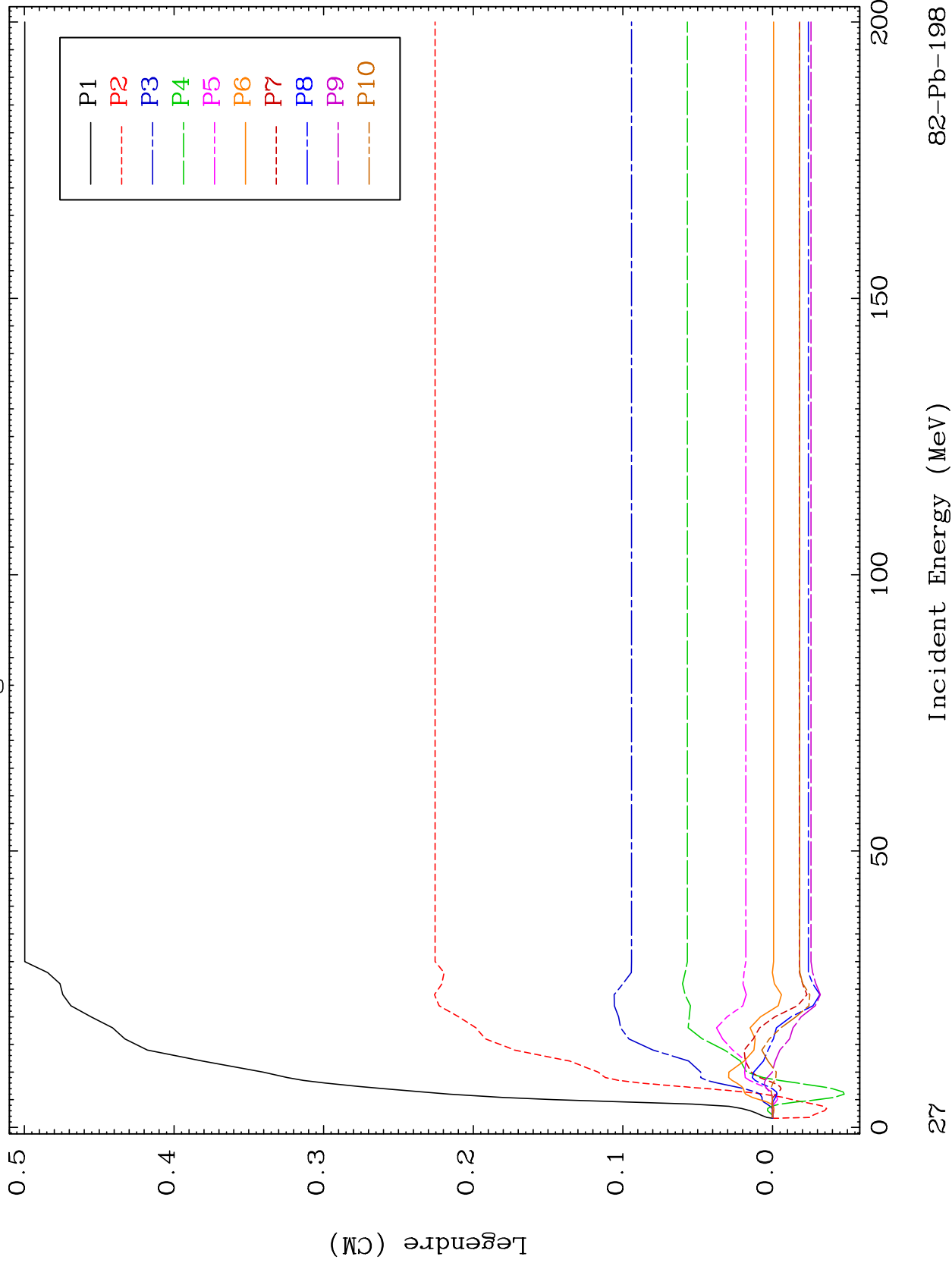
82-Pb-198



MAT 8207

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

82-Pb-198



82-Pb-198

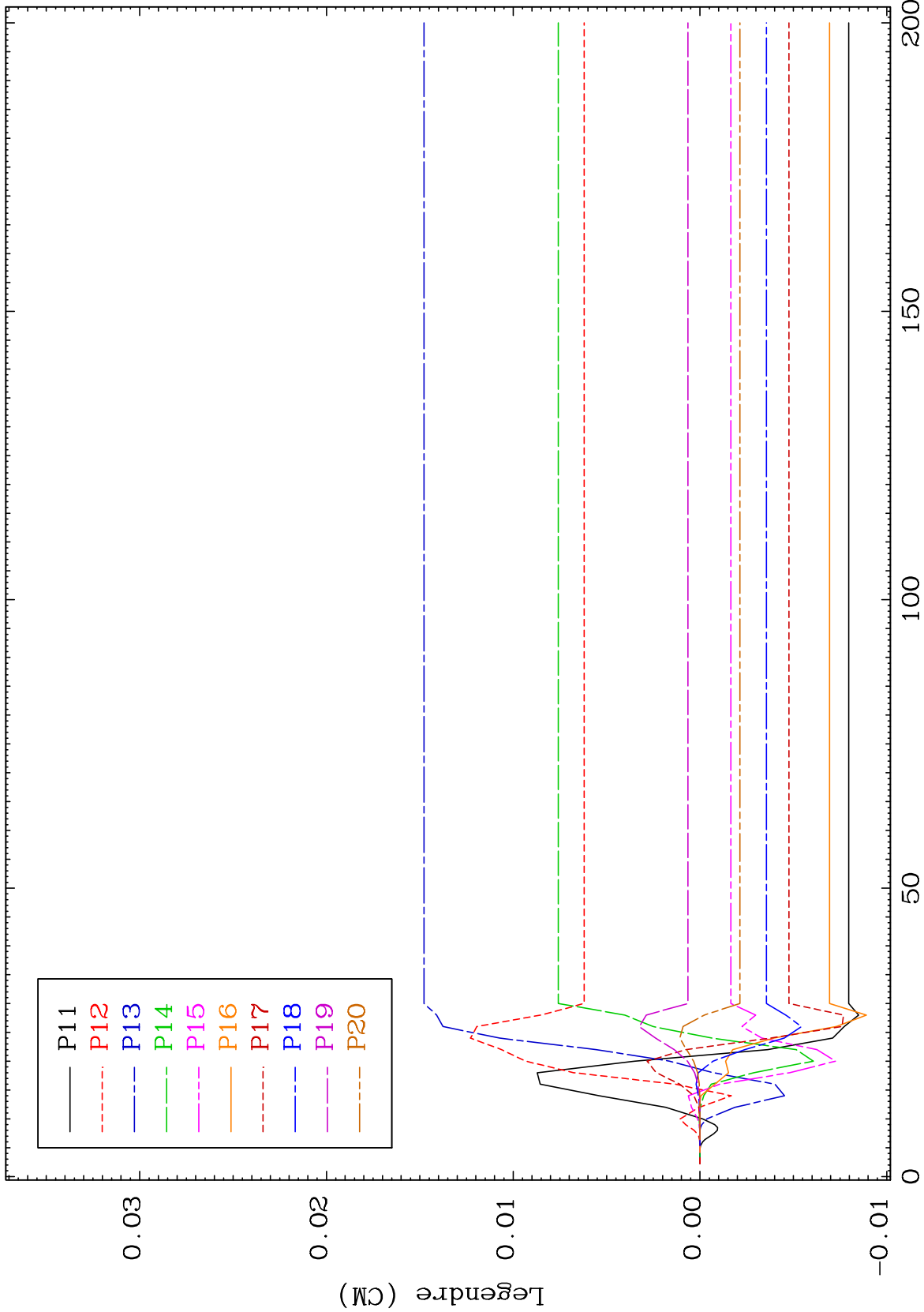
Incident Energy (MeV)

27

MAT 8207

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

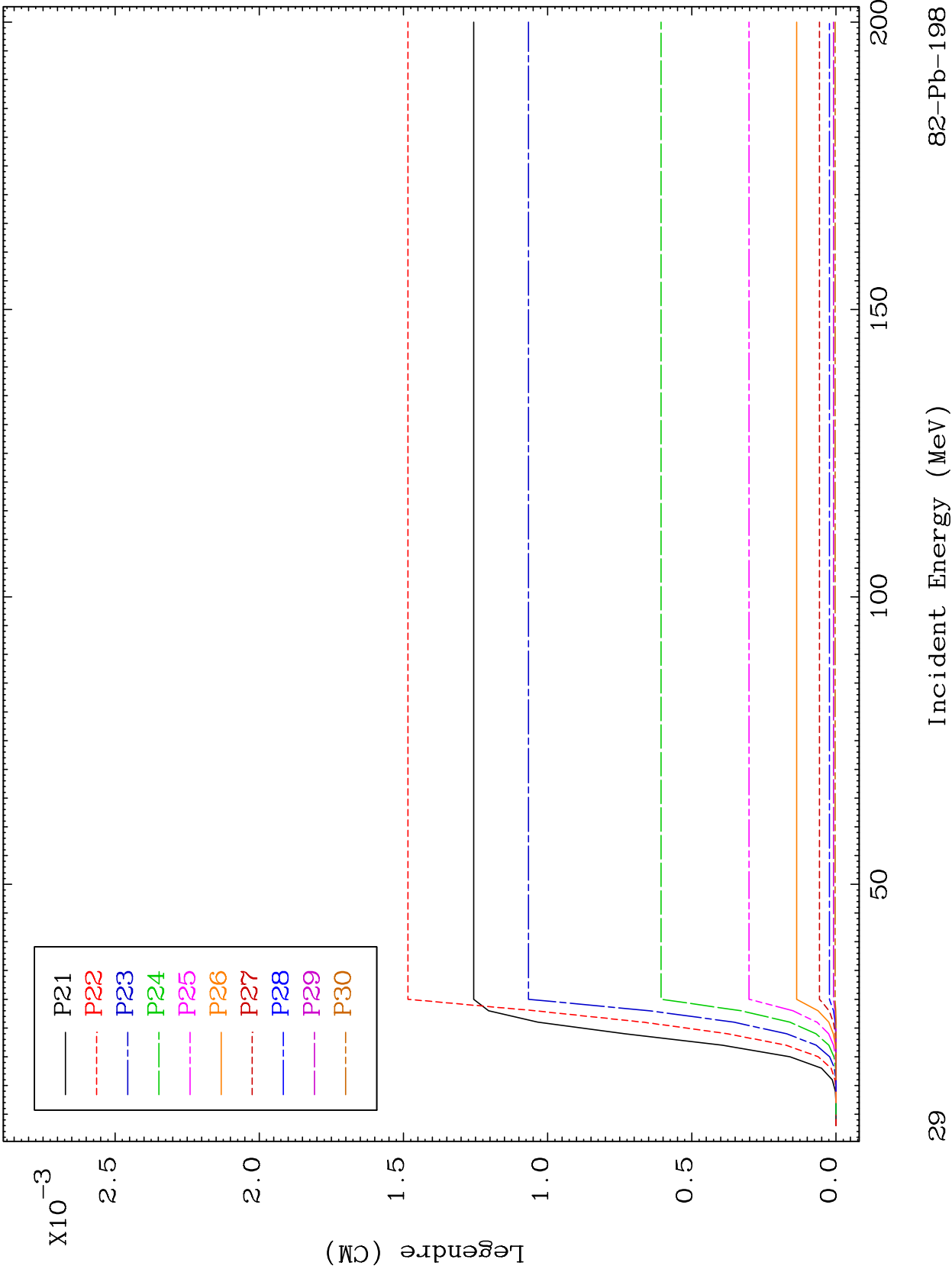
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28

Incident Energy (MeV)

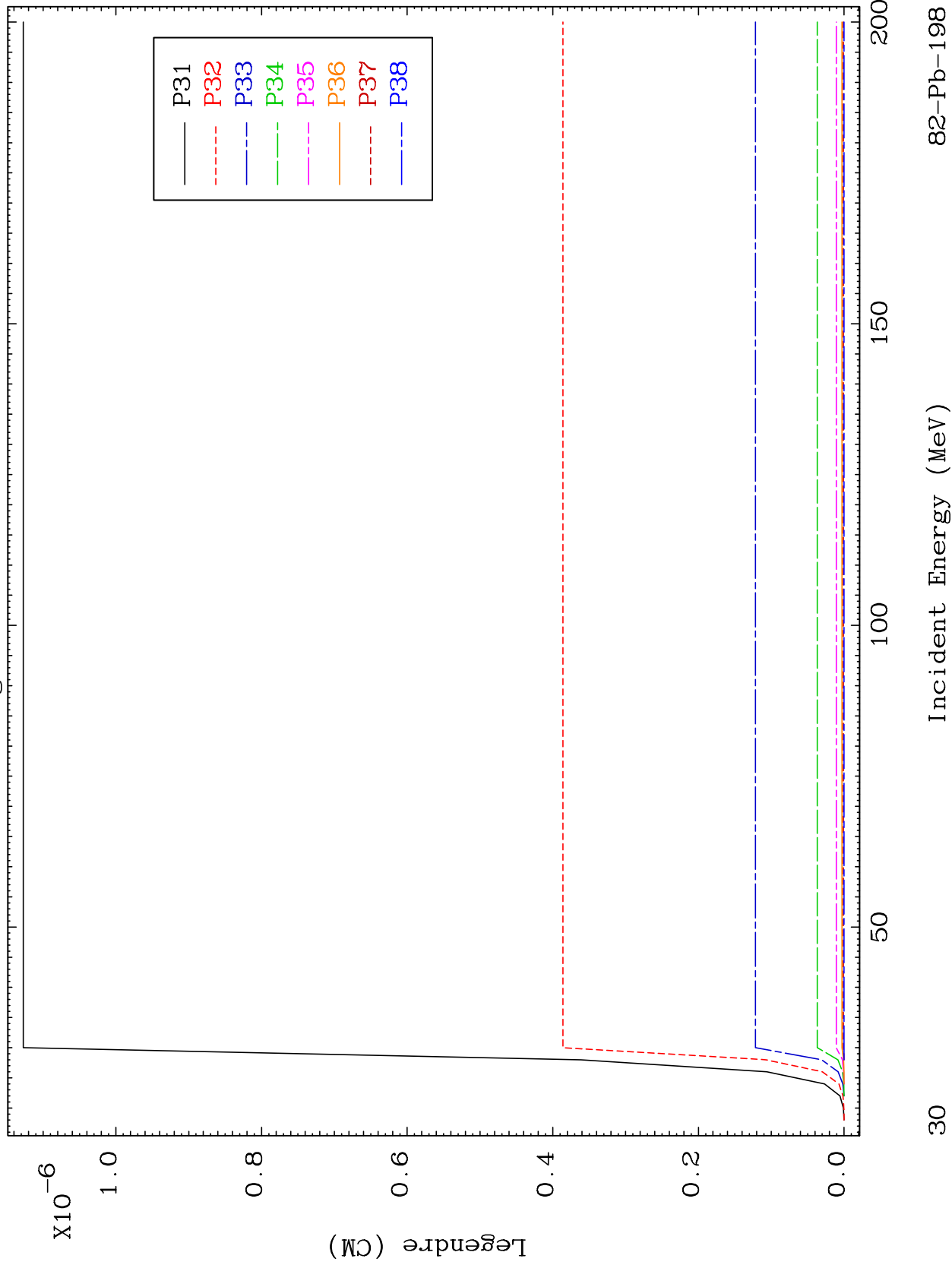
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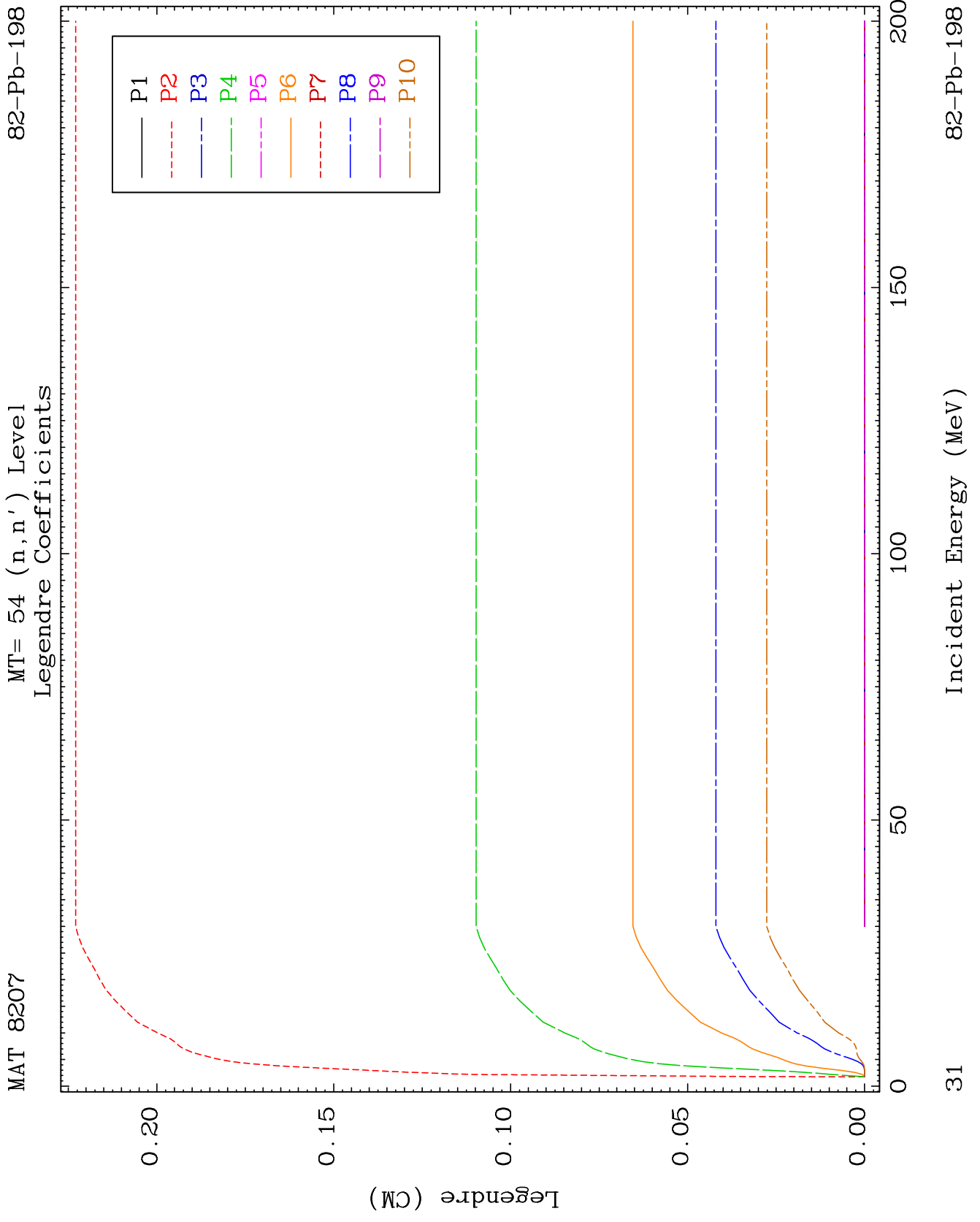


MAT 8207

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

82-Pb-198

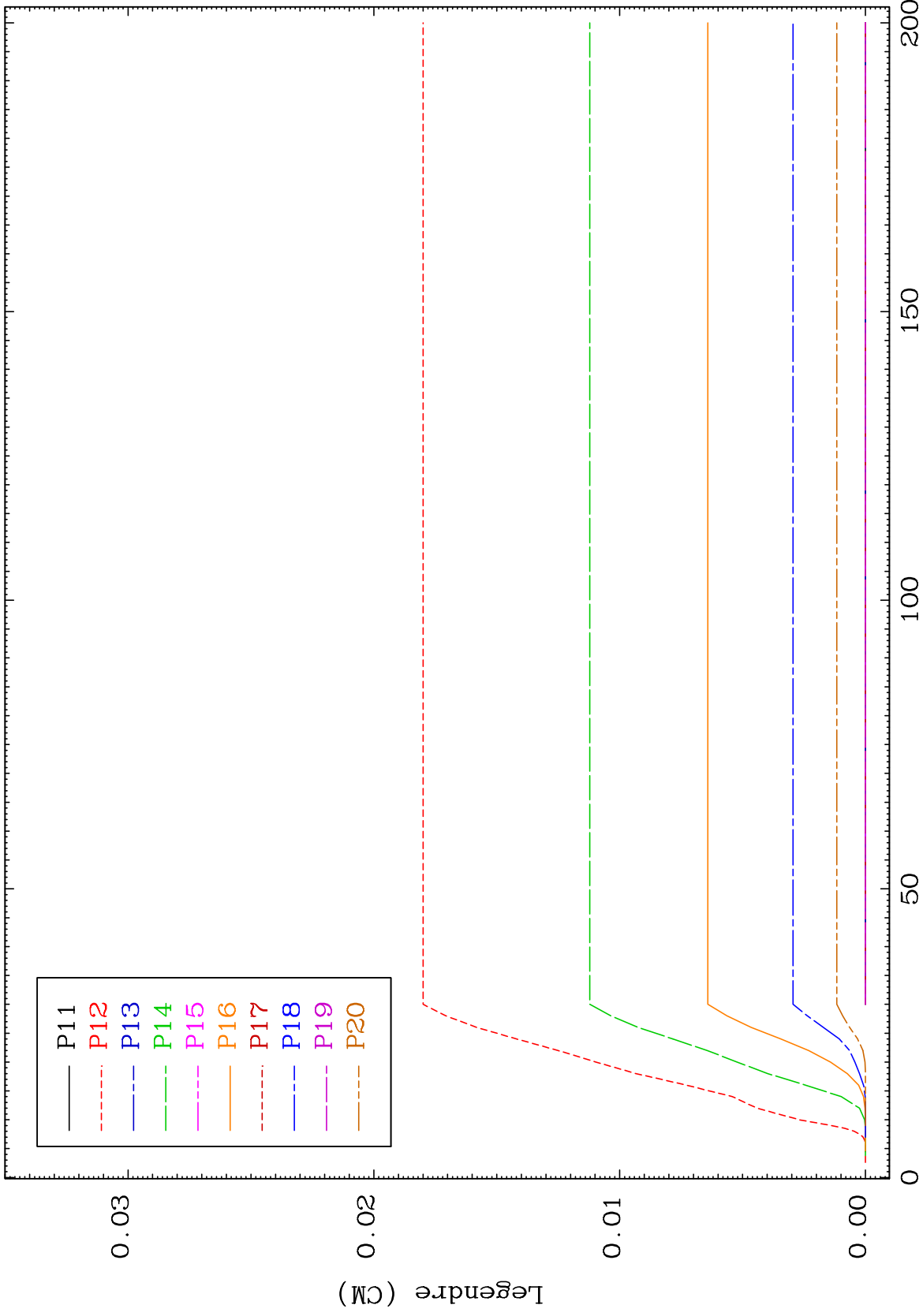




MAT 8207

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

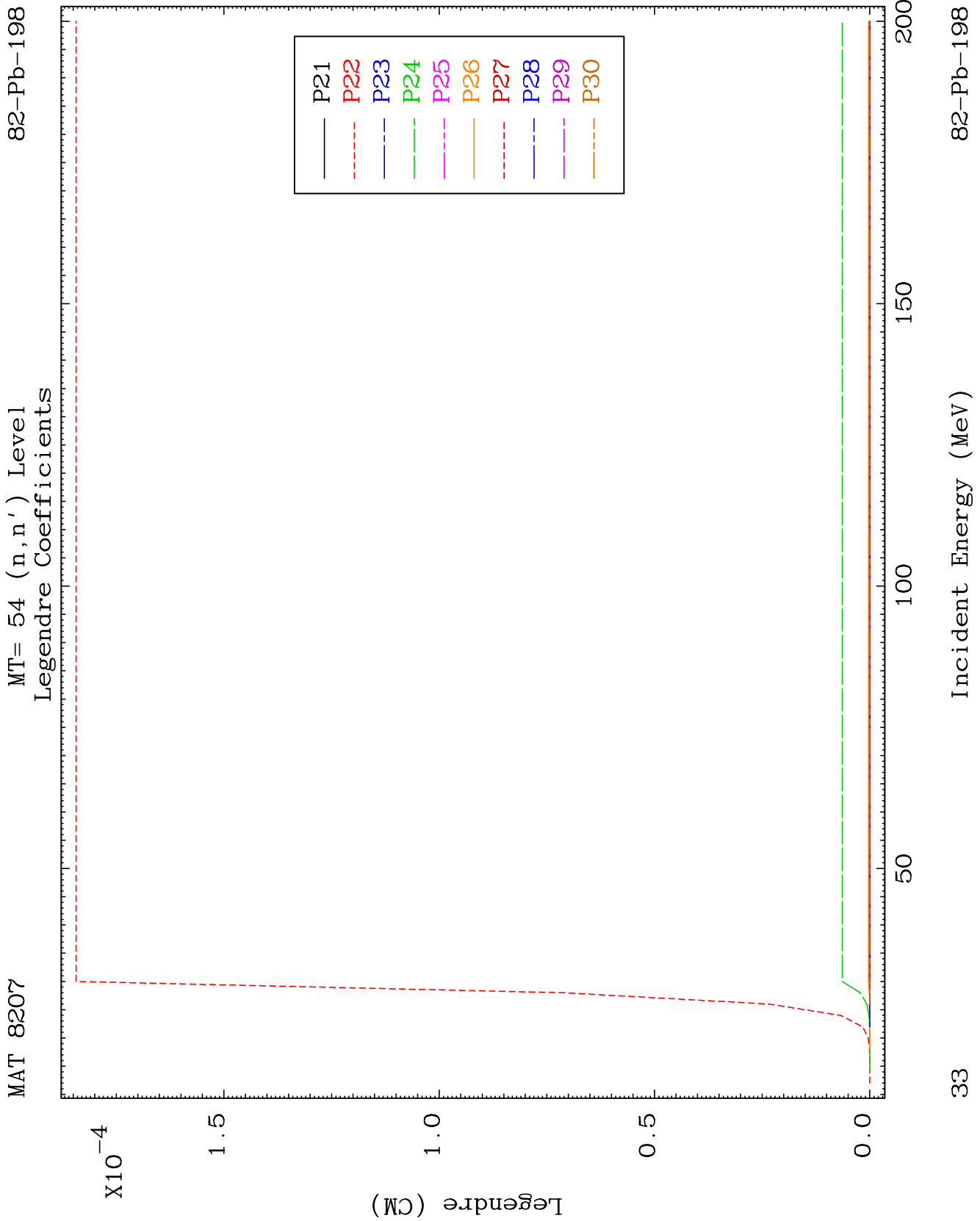
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32

Incident Energy (MeV)

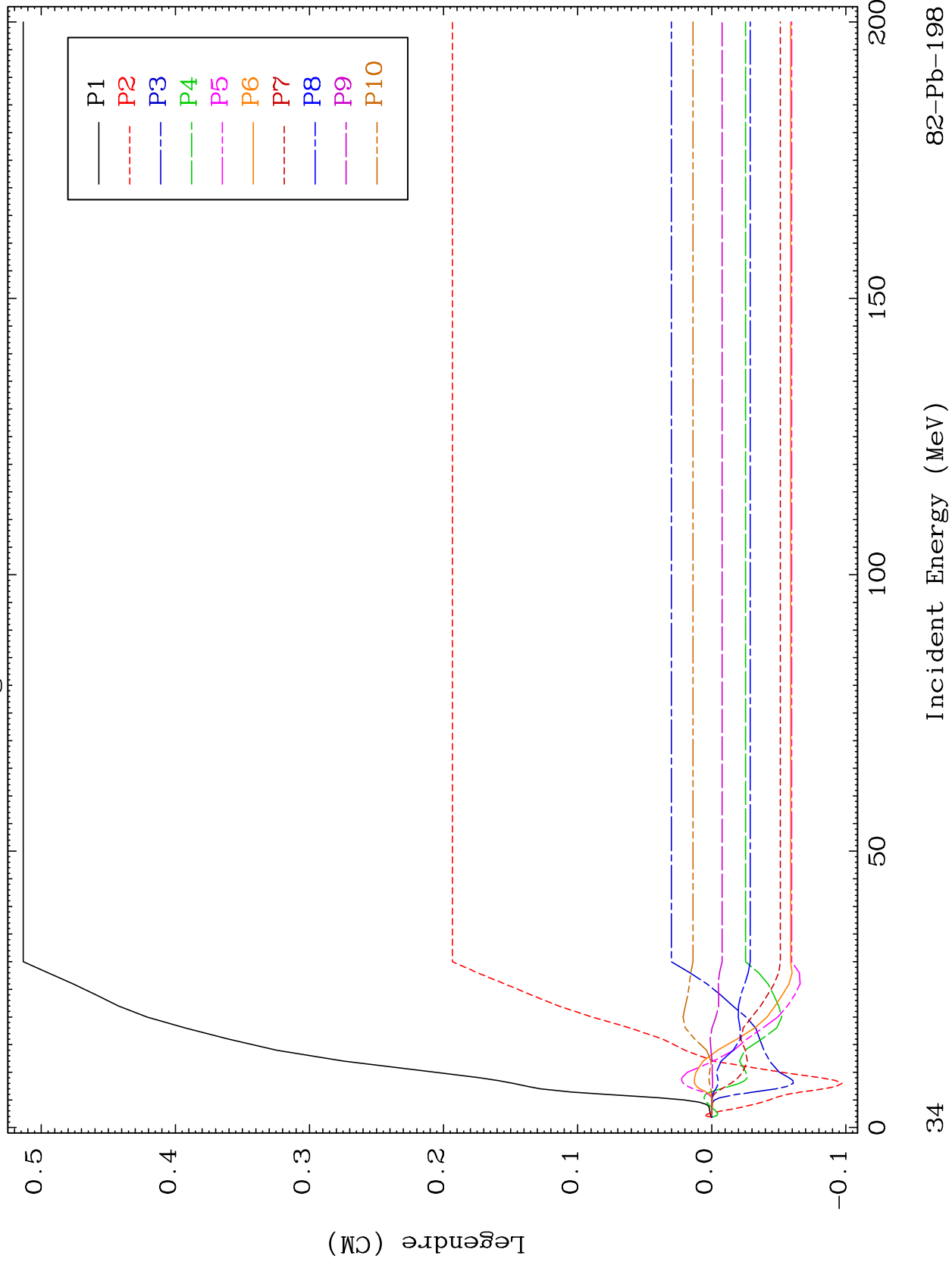
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MAT 8207

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

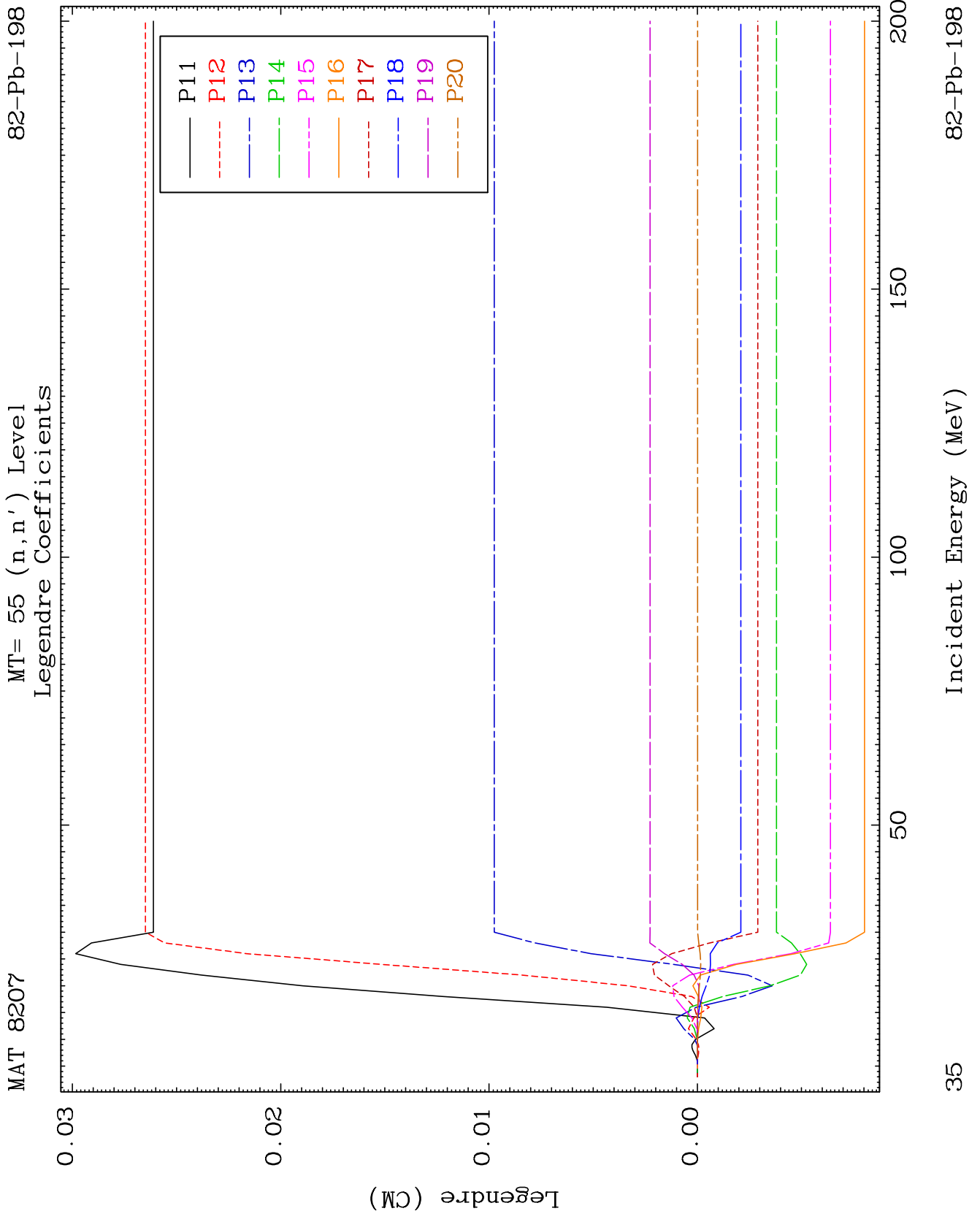
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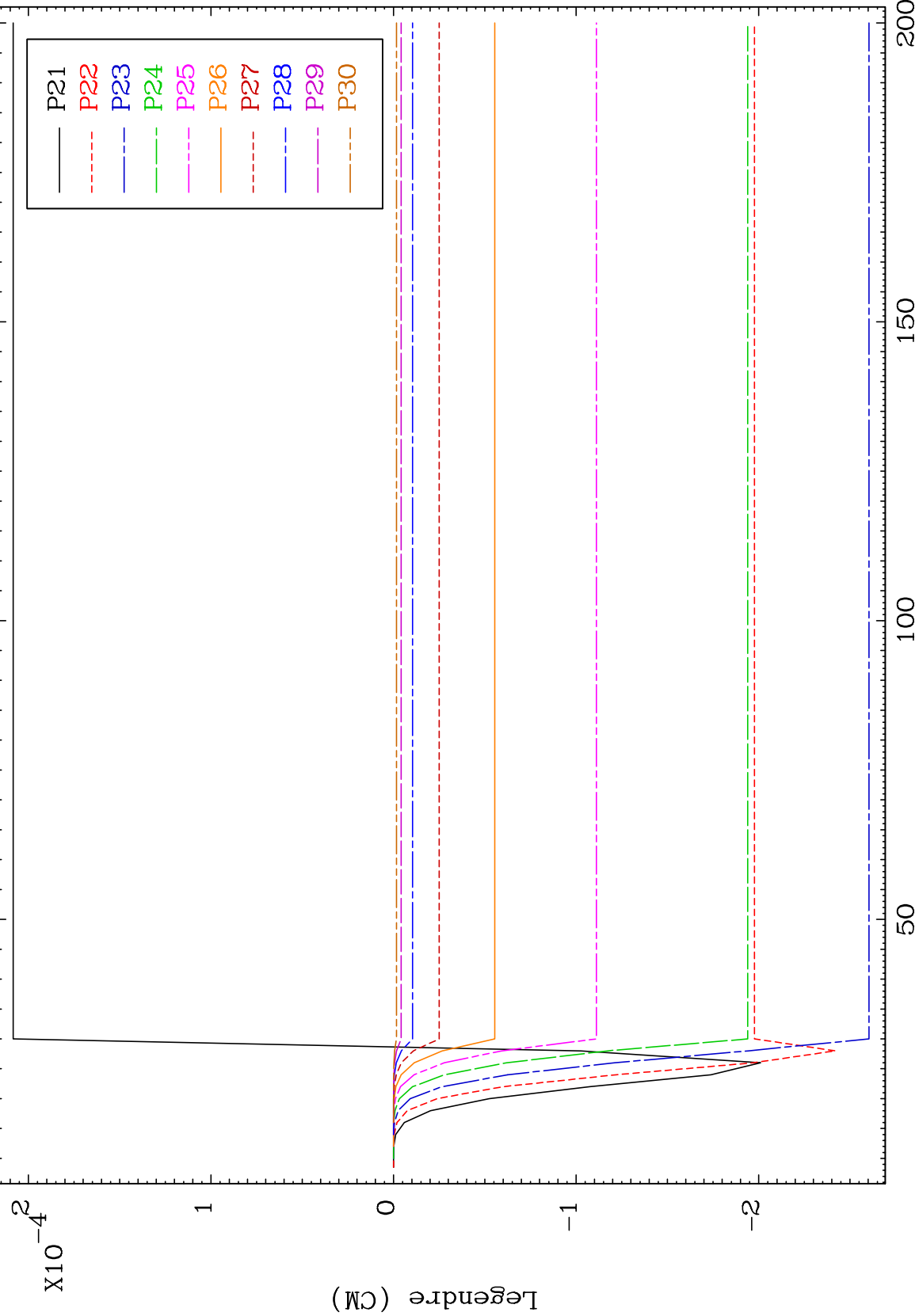


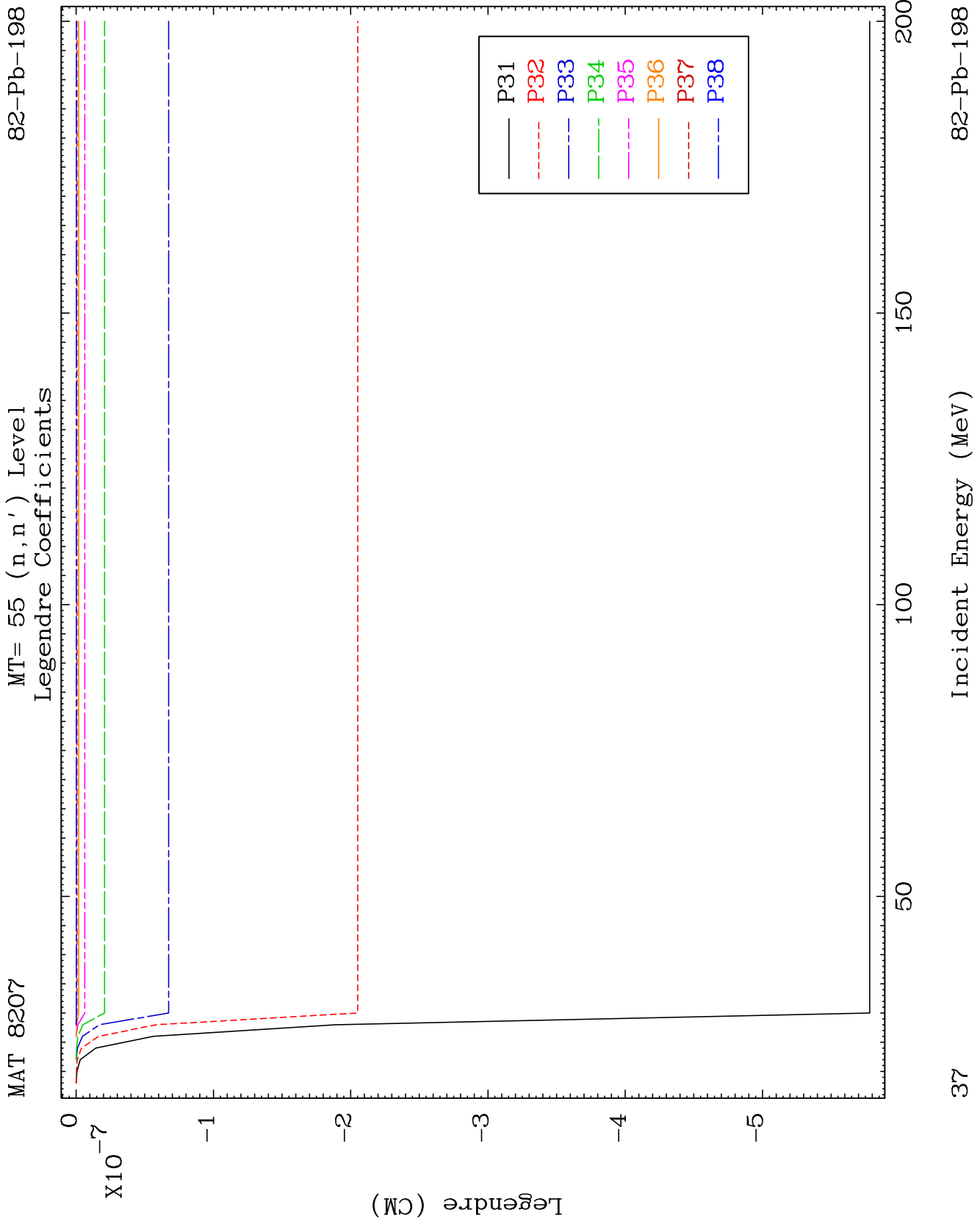
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Incident Energy (MeV)

82-Pb-198



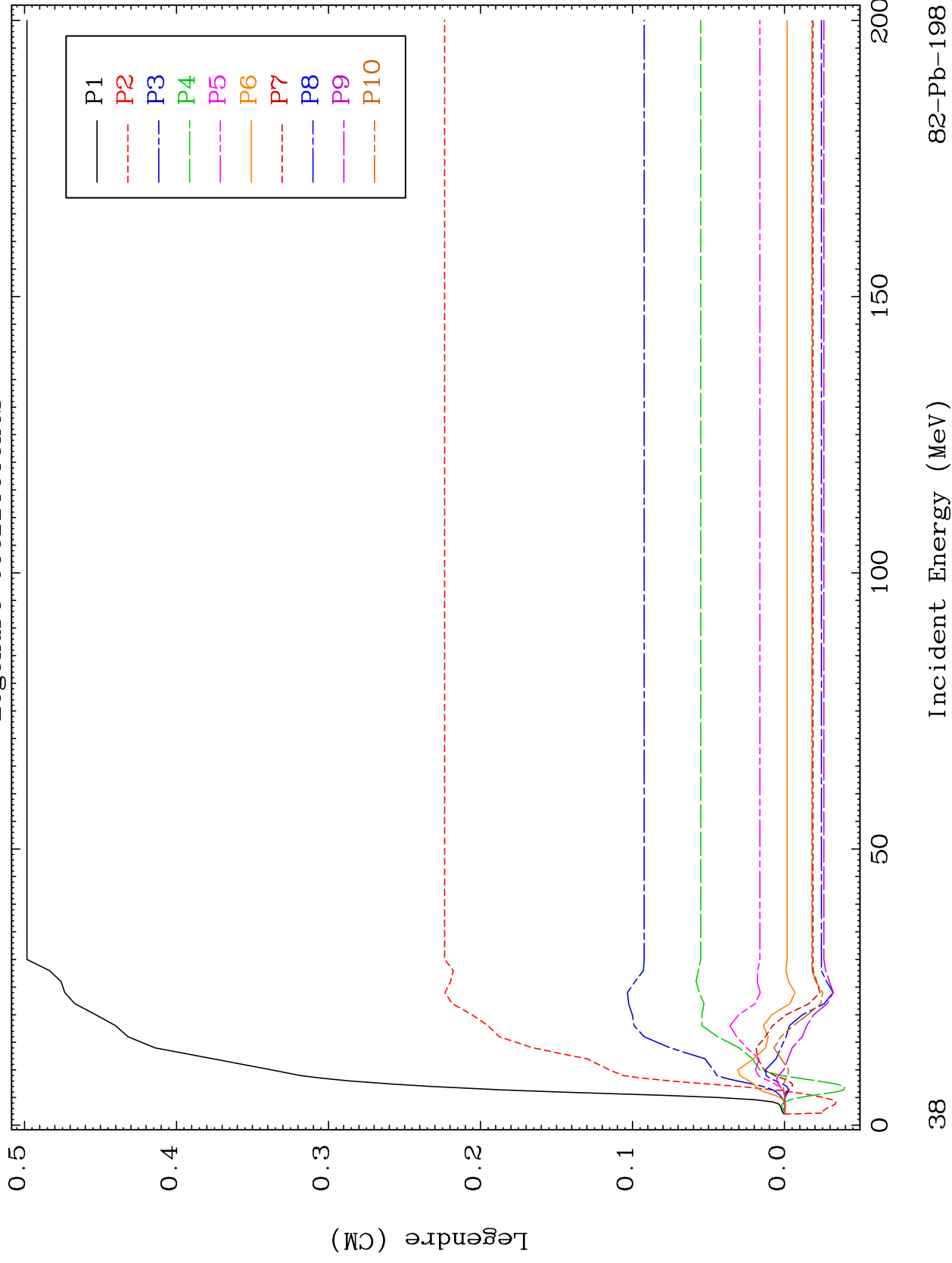




MAT 8207

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

82-Pb-198



82-Pb-198

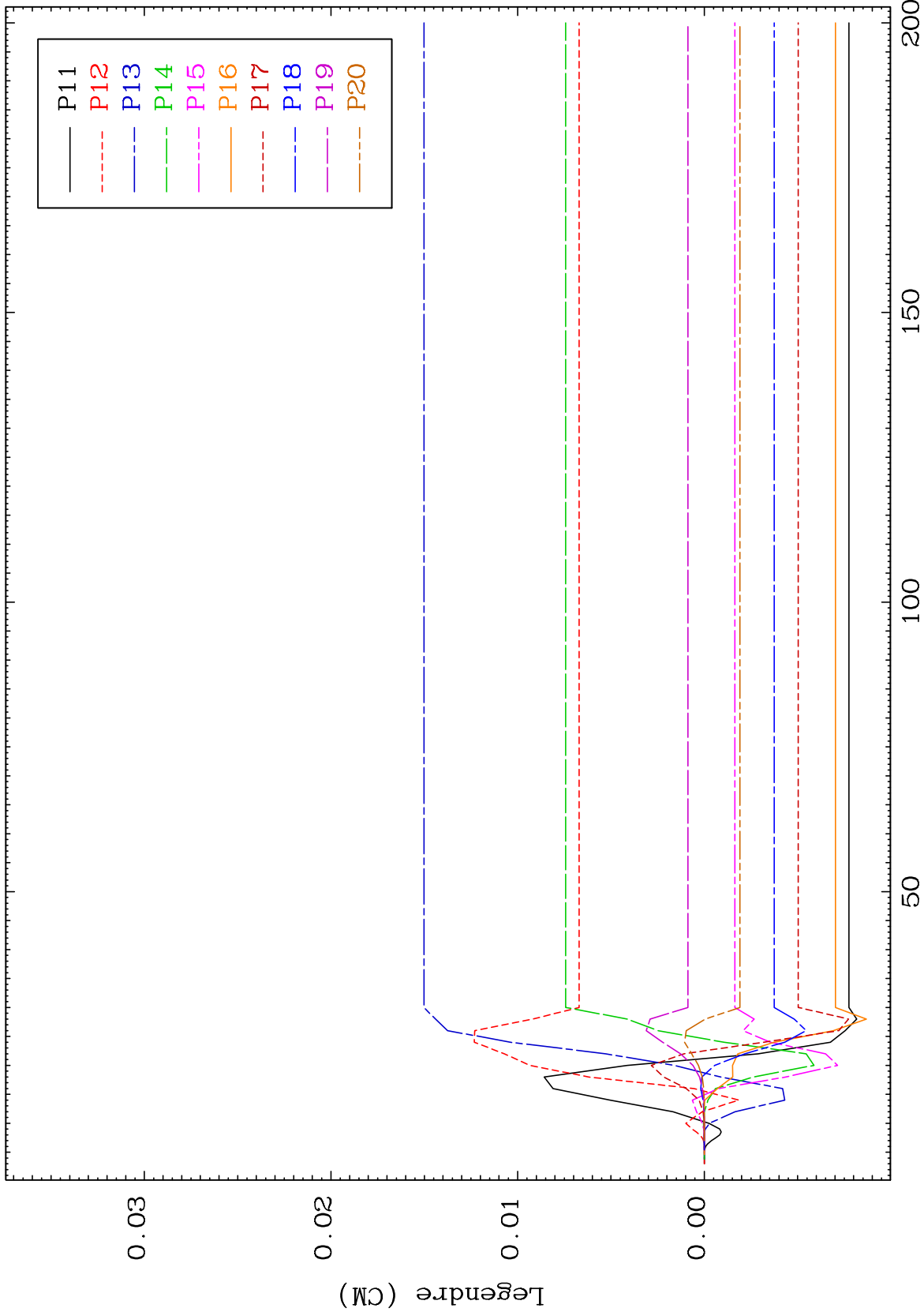
Incident Energy (MeV)

38

MAT 8207

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

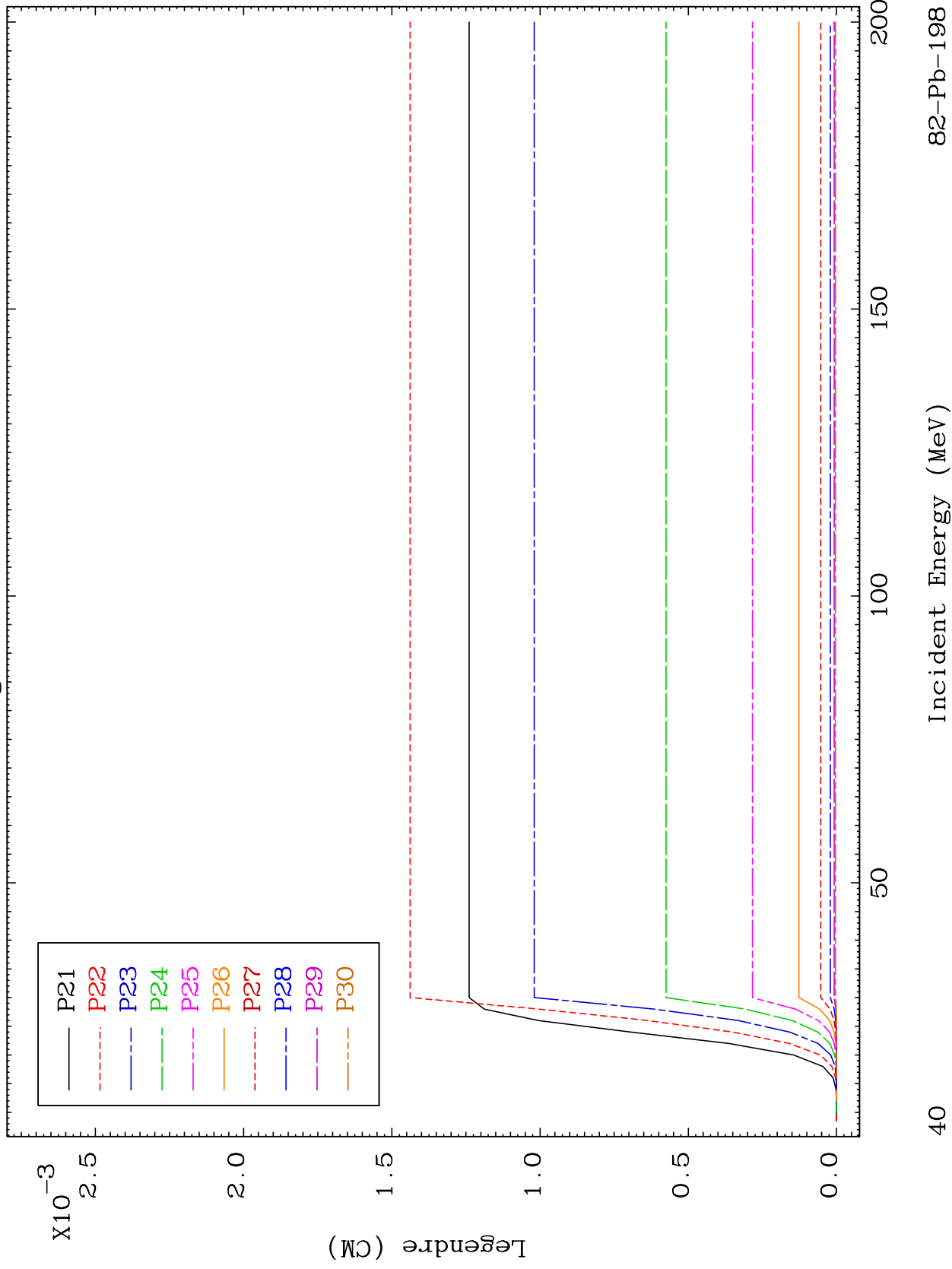
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MAT 8207

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

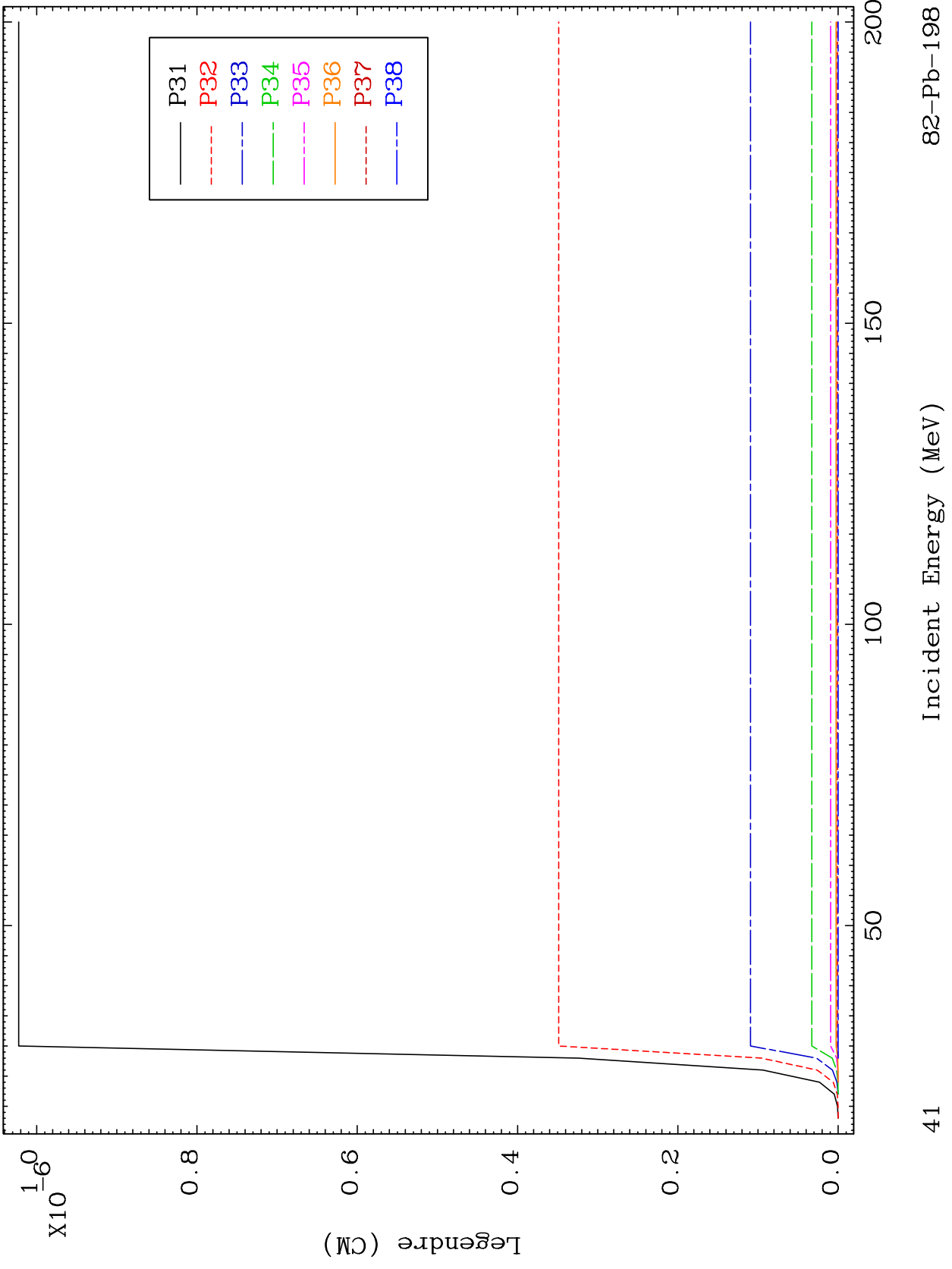
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MAT 8207

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

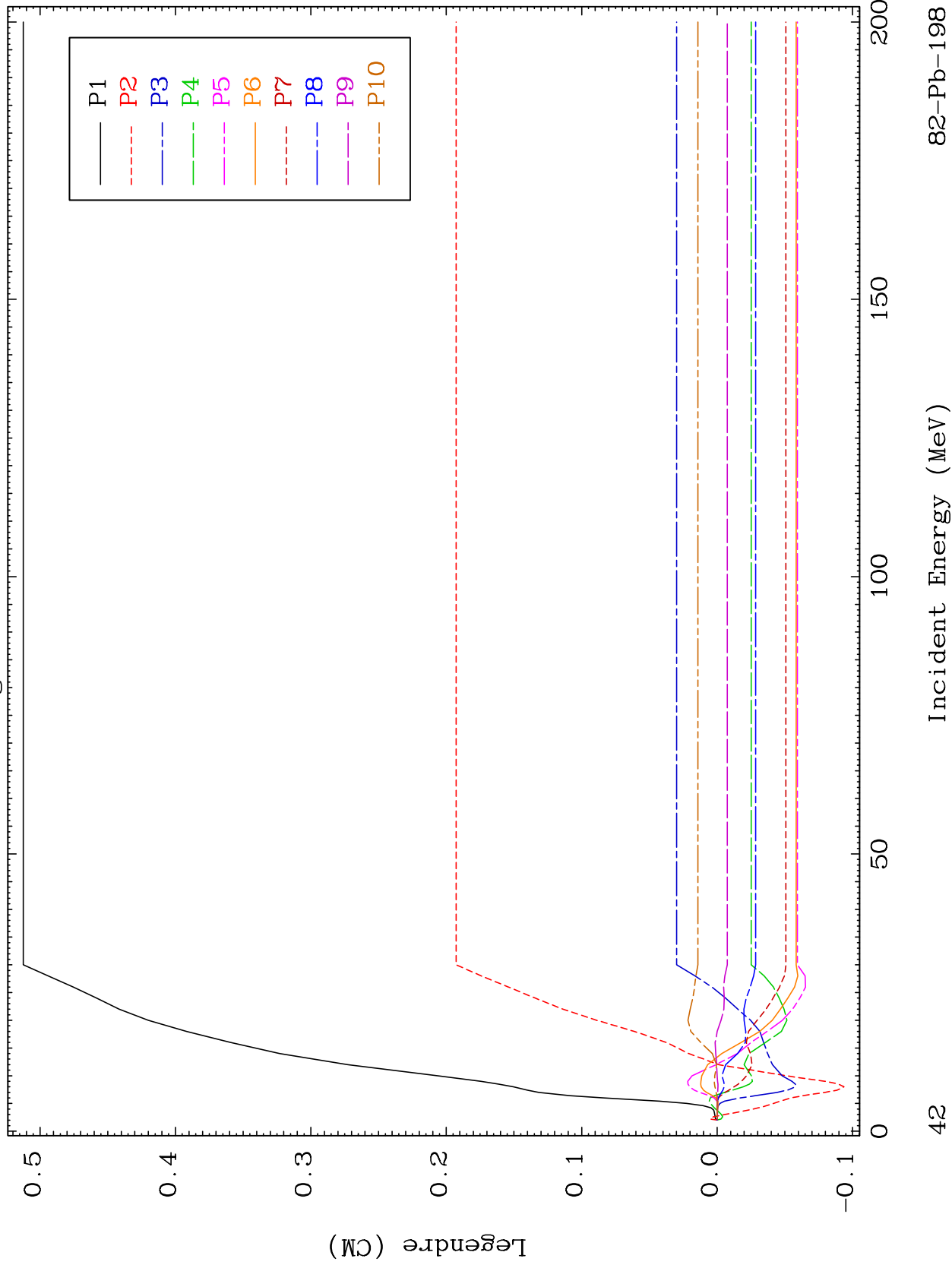
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MAT 8207

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

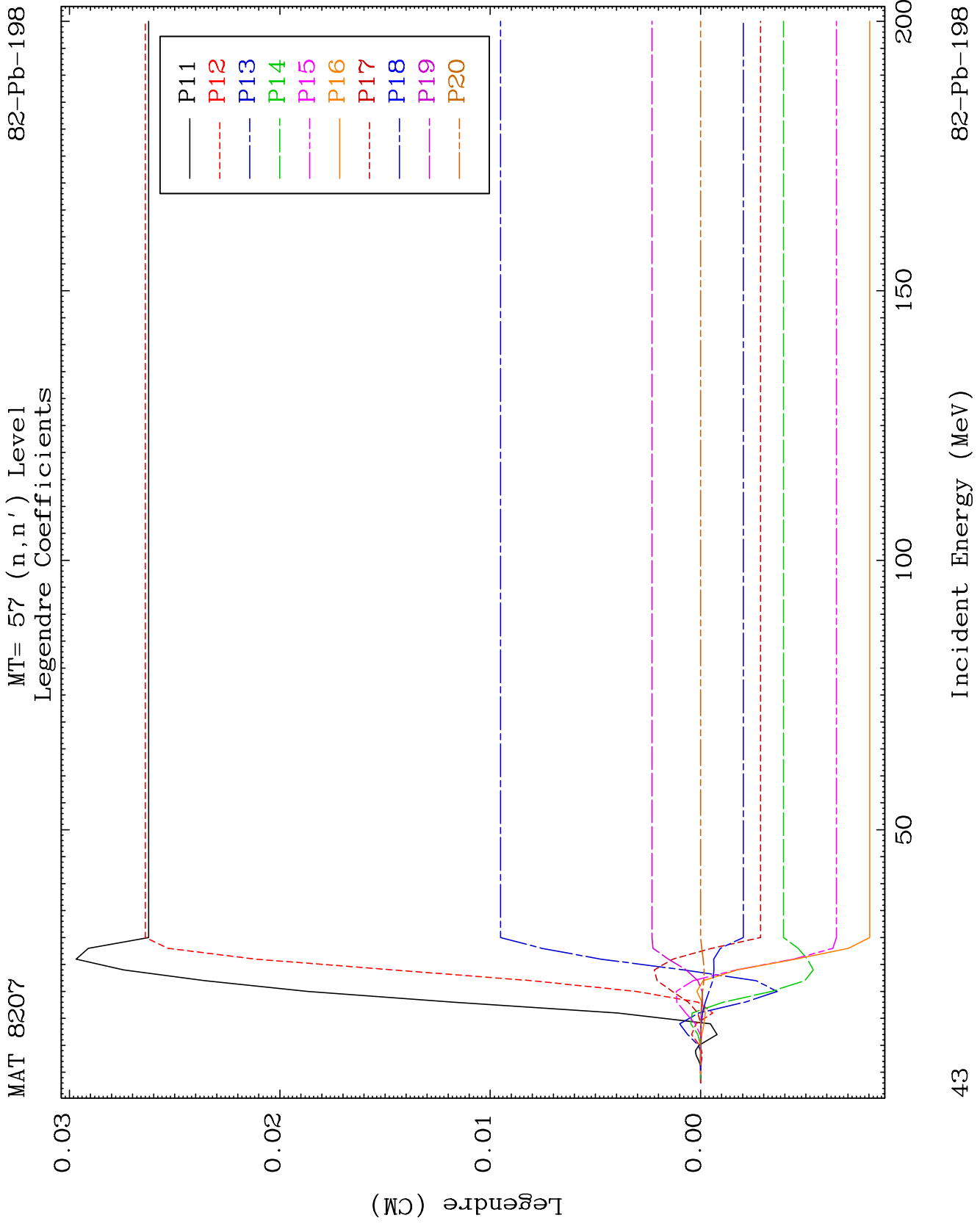
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82-Pb-198

Incident Energy (MeV)

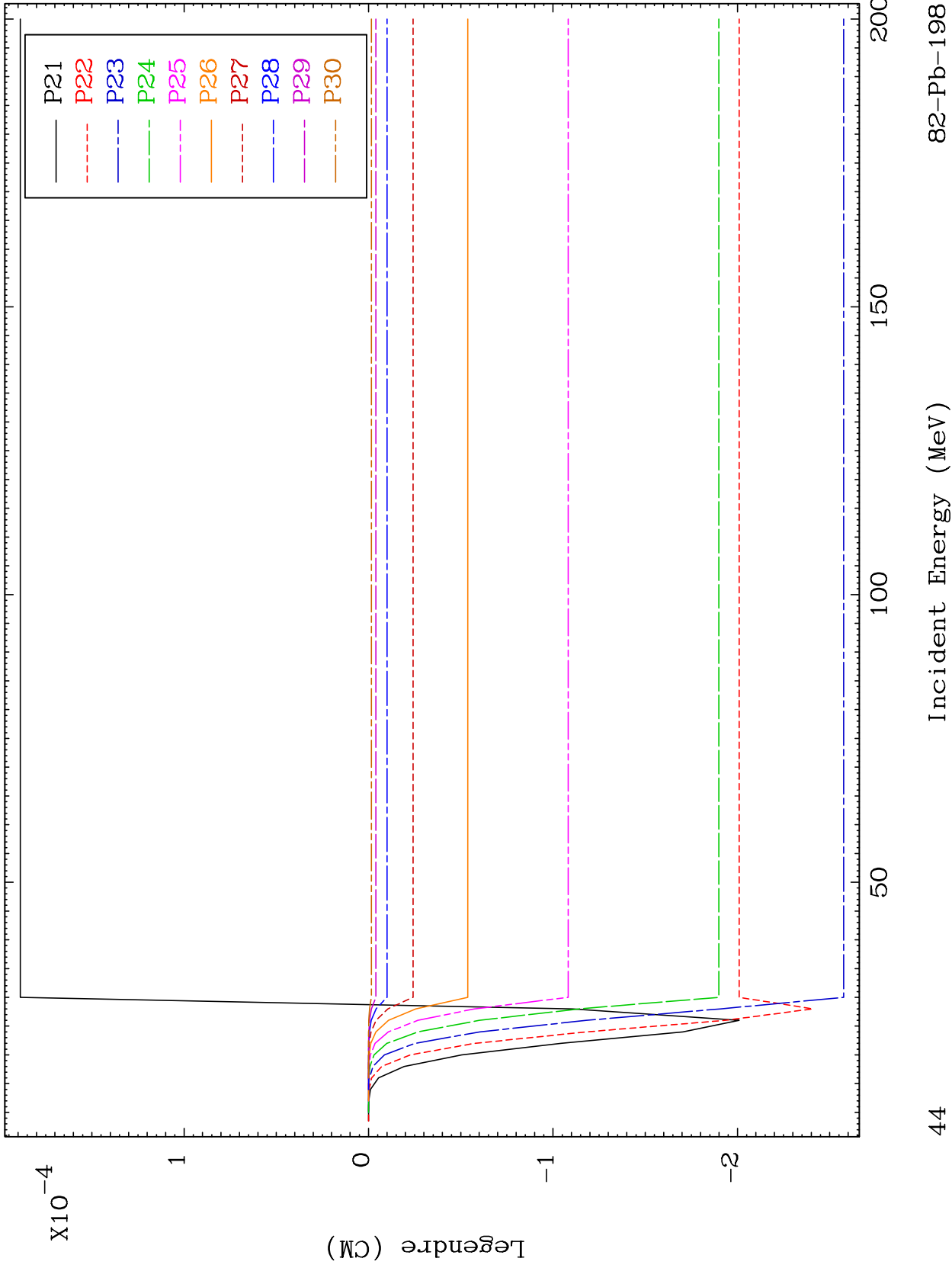
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MAT 8207

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

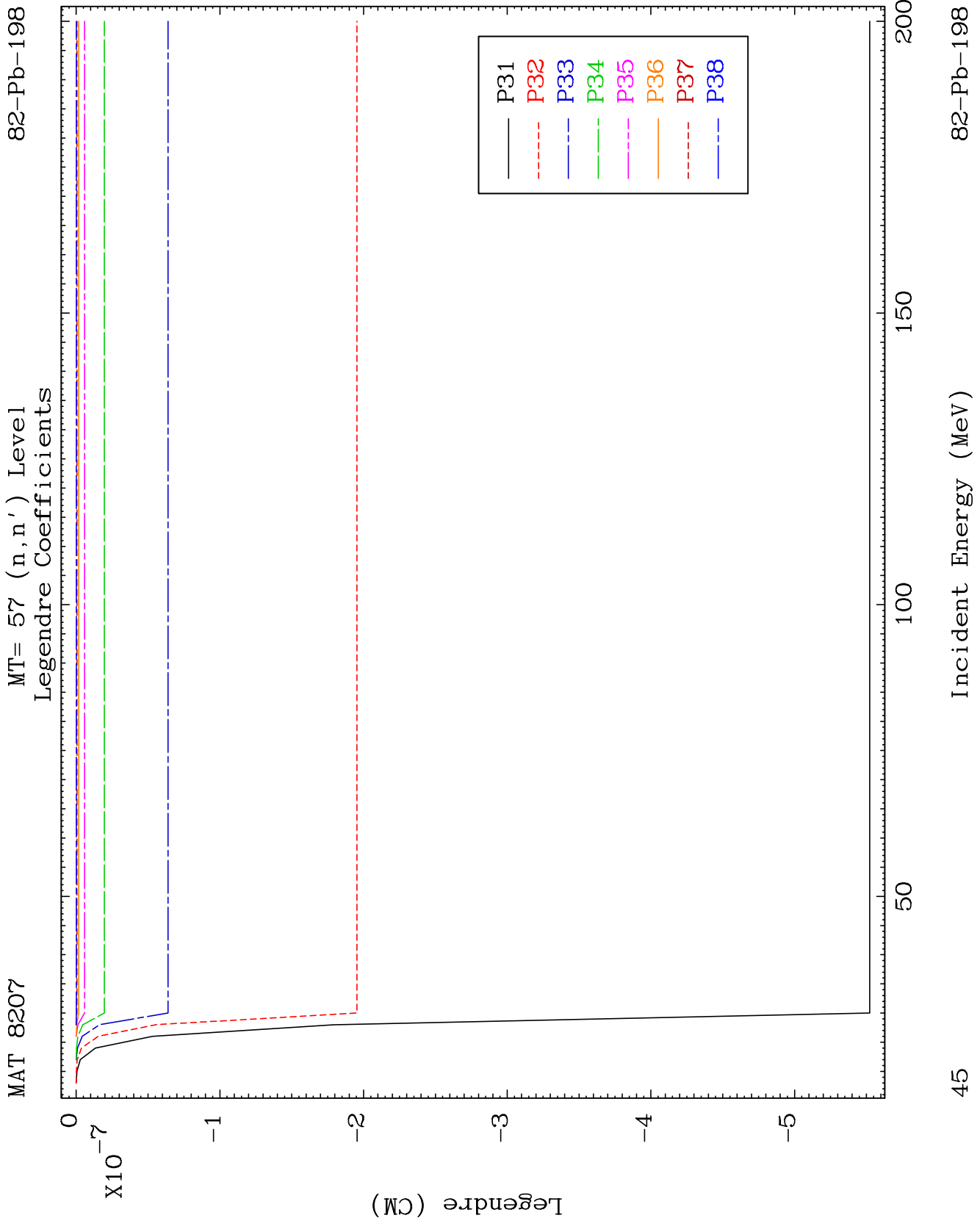
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44

Incident Energy (MeV)

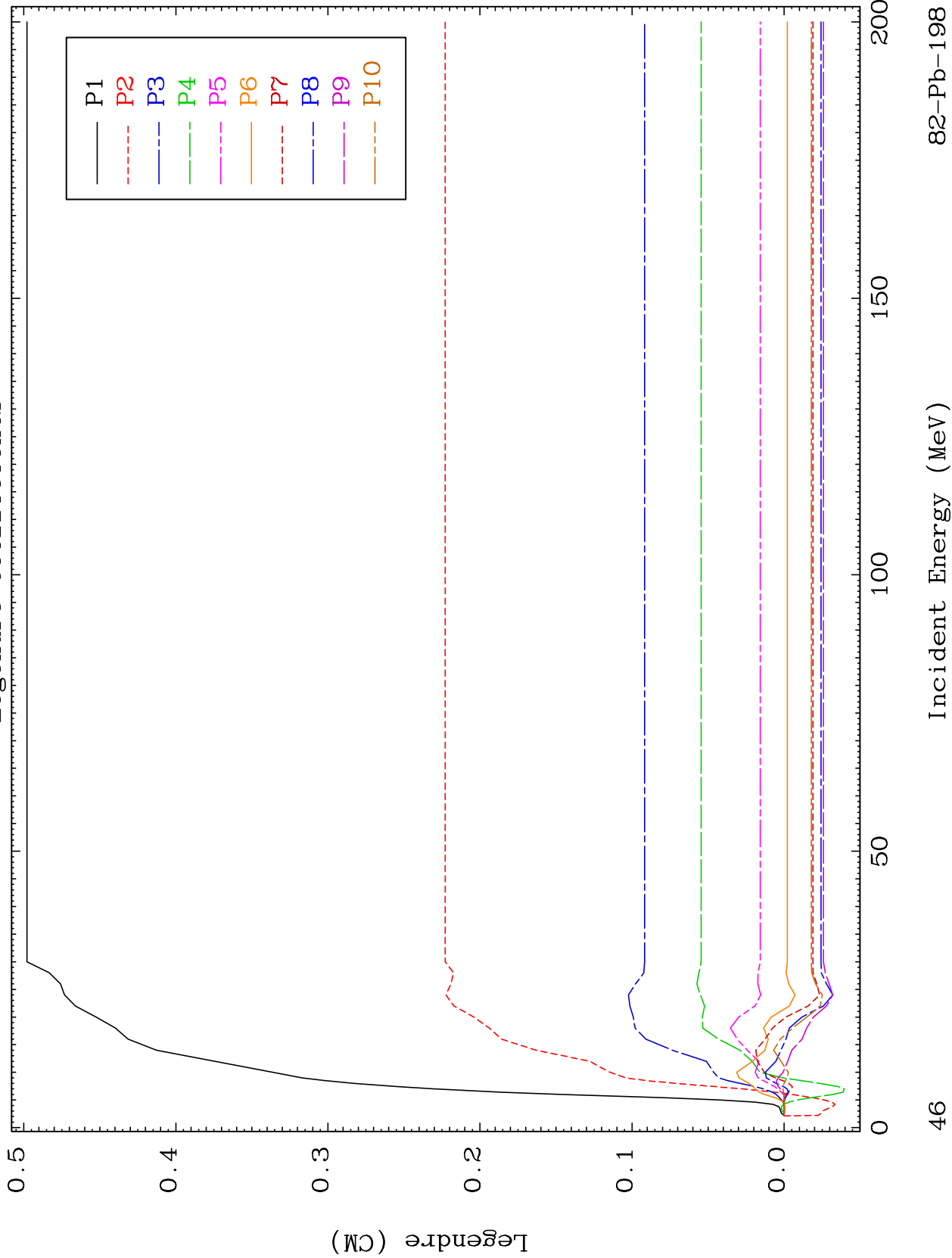
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MAT 8207

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

82-Pb-198



46

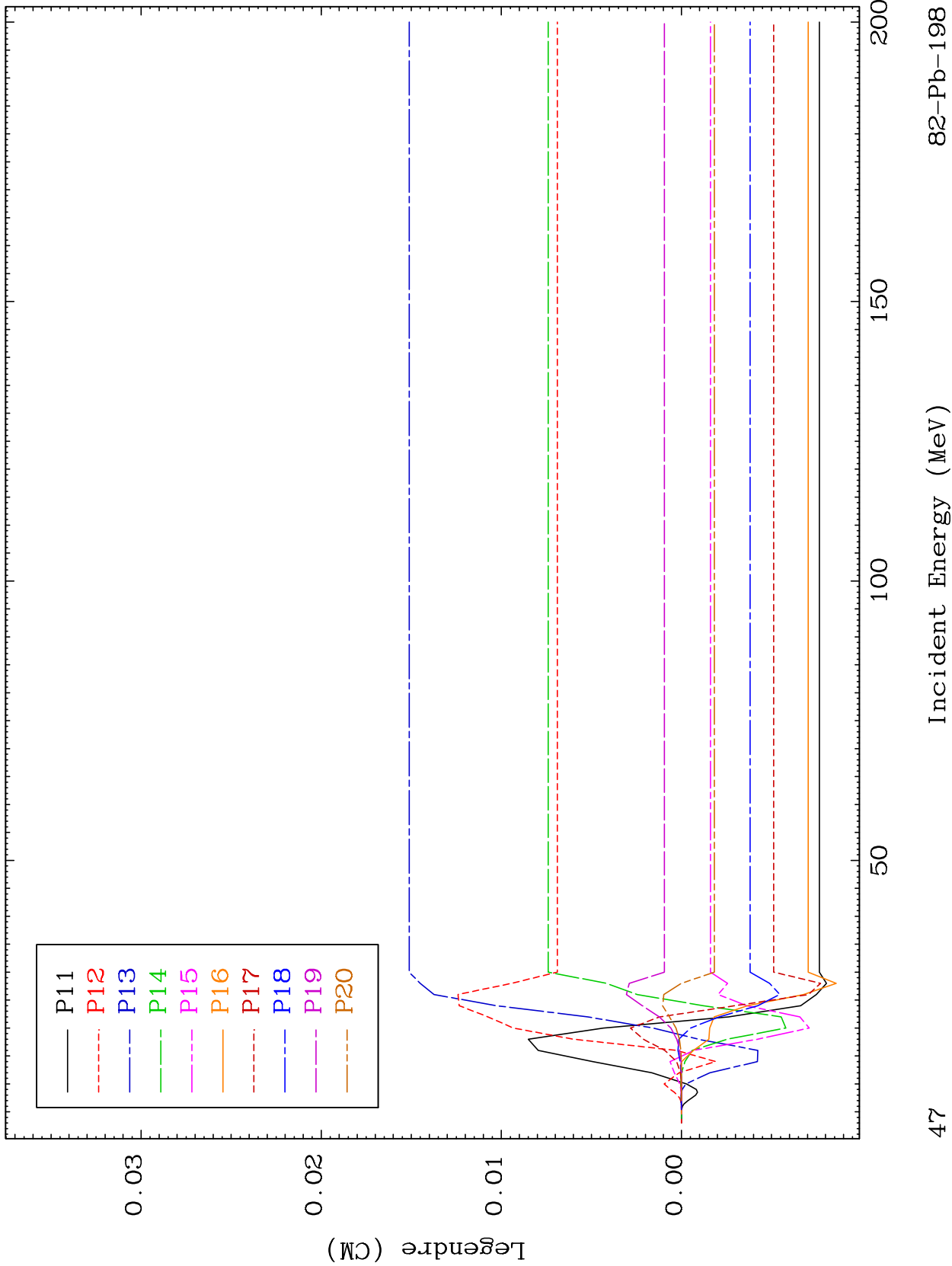
Incident Energy (MeV)

82-Pb-198

MAT 8207

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

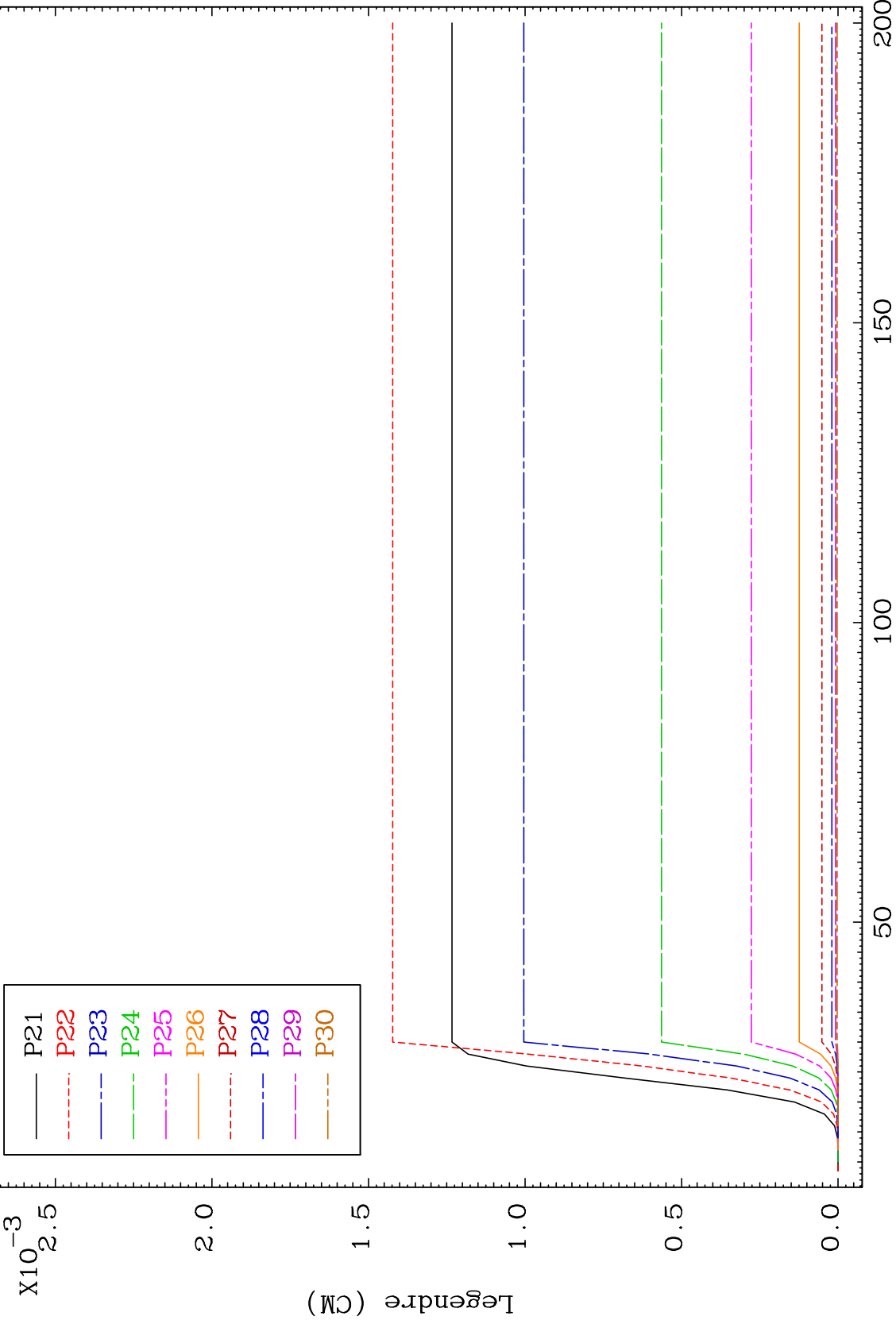
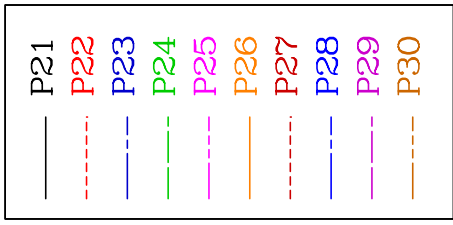
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MAT 8207

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

82-Pb-198



48

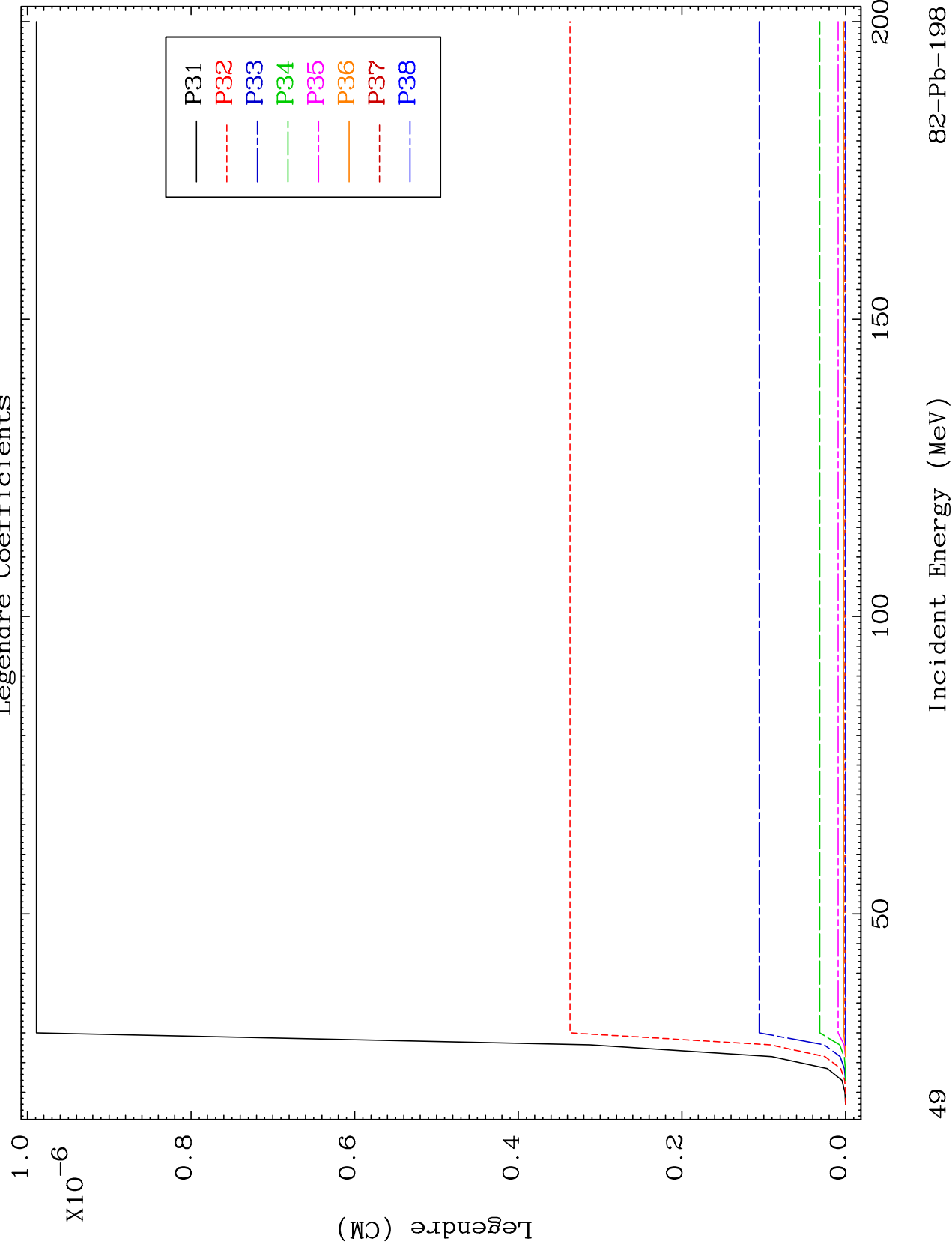
Incident Energy (MeV)

82-Pb-198

MAT 8207

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

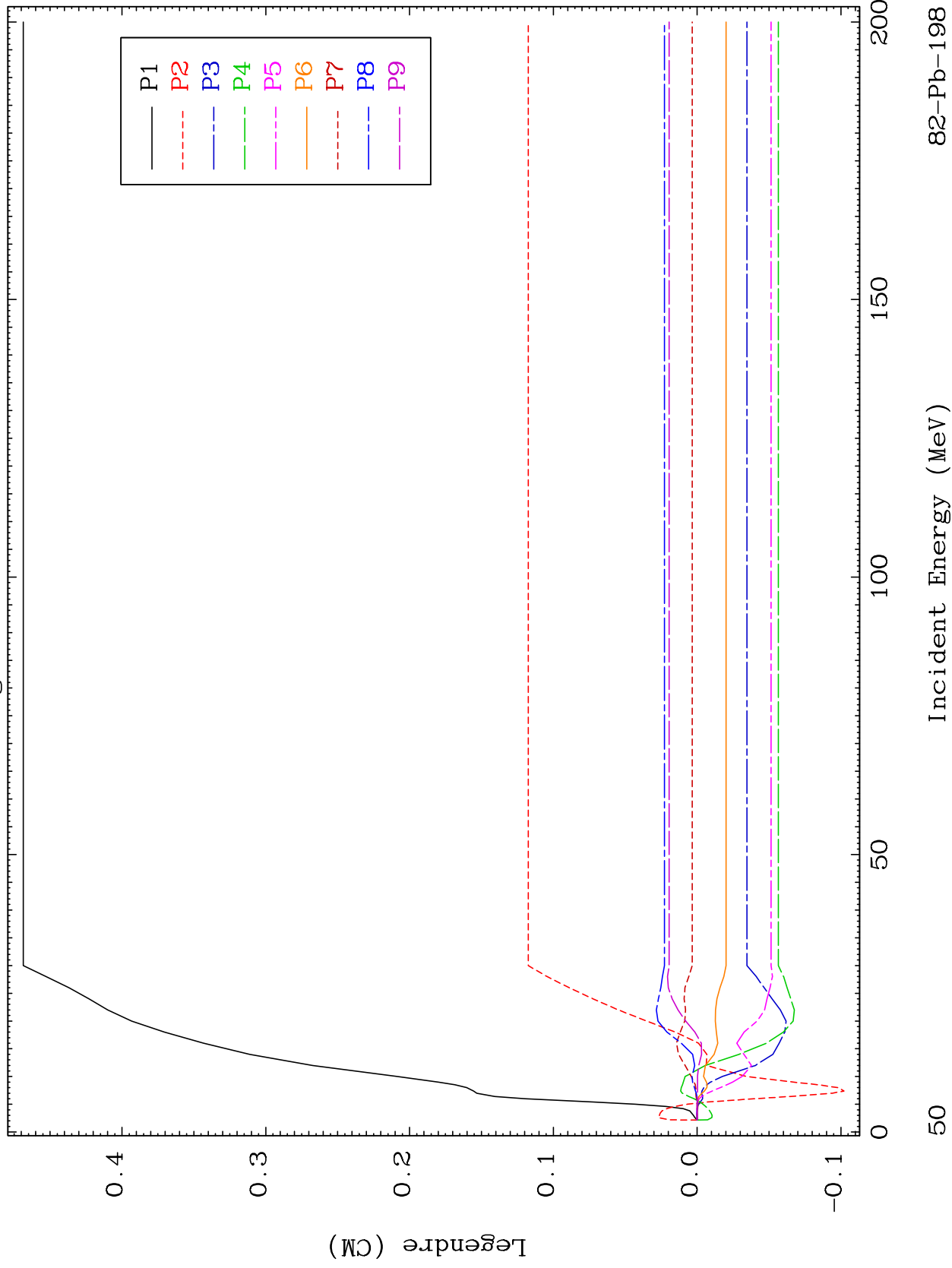
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MAT 8207

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

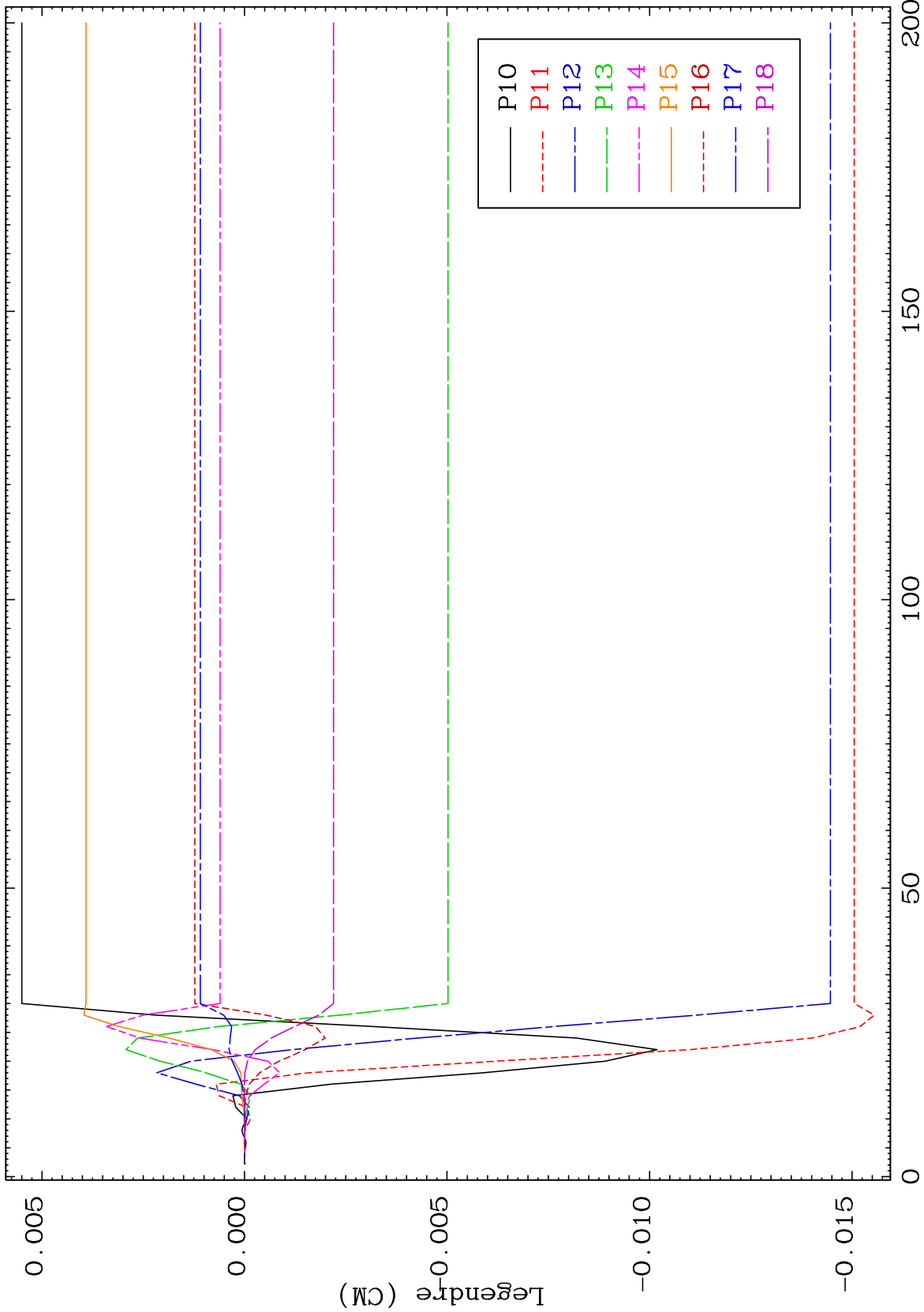
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82-Pb-198

Incident Energy (MeV)

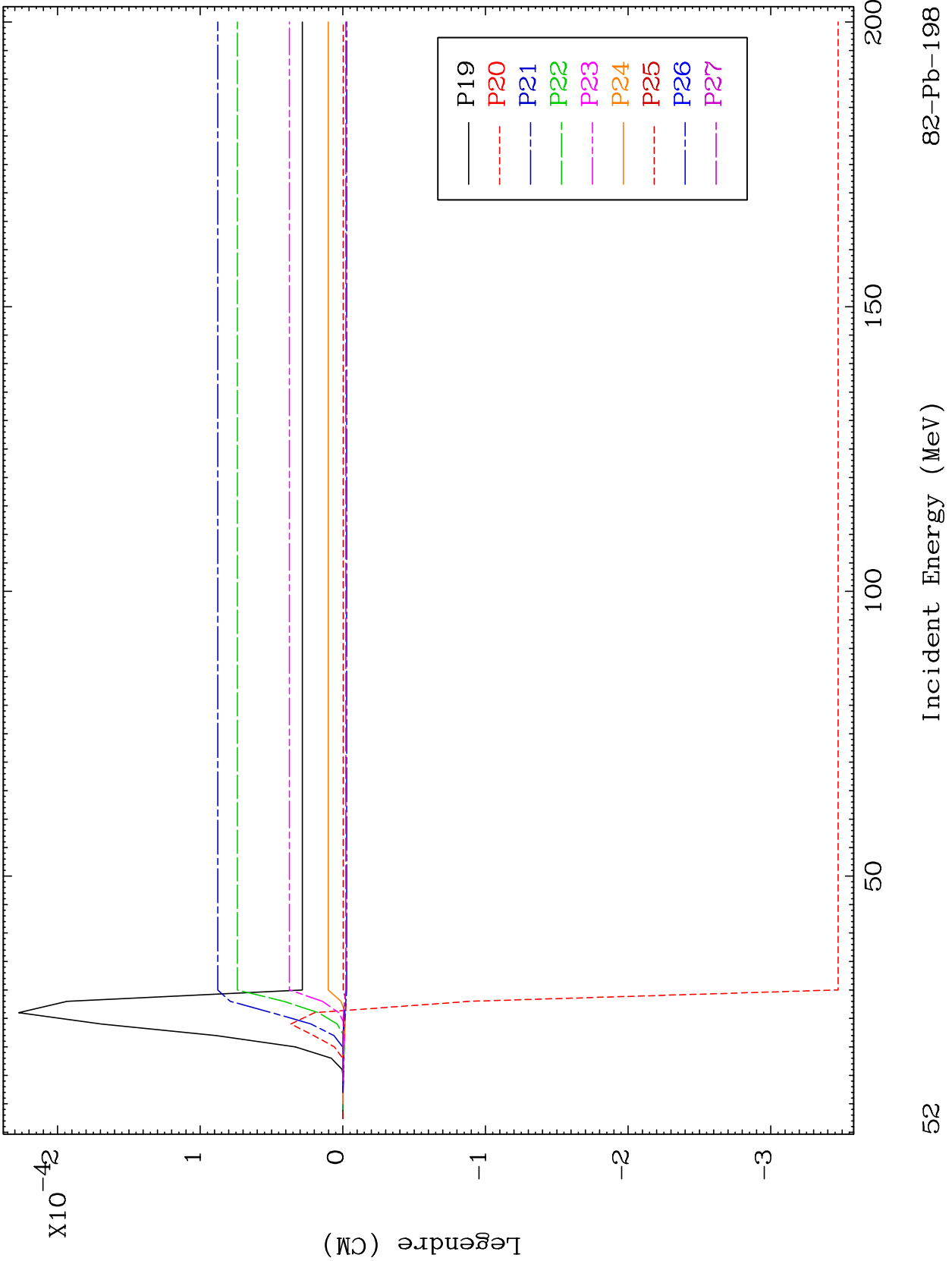
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MAT 8207

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

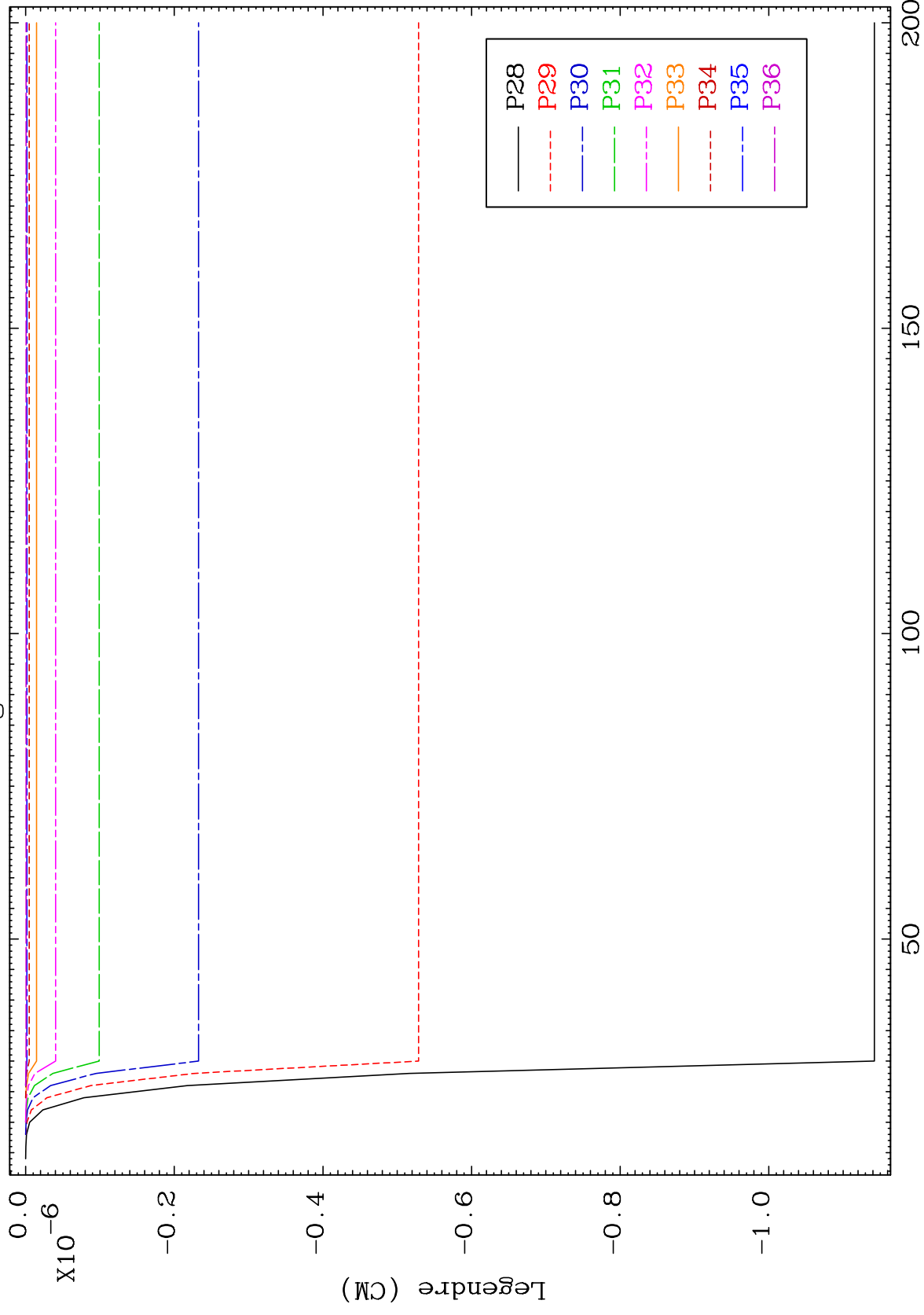
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MAT 8207

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

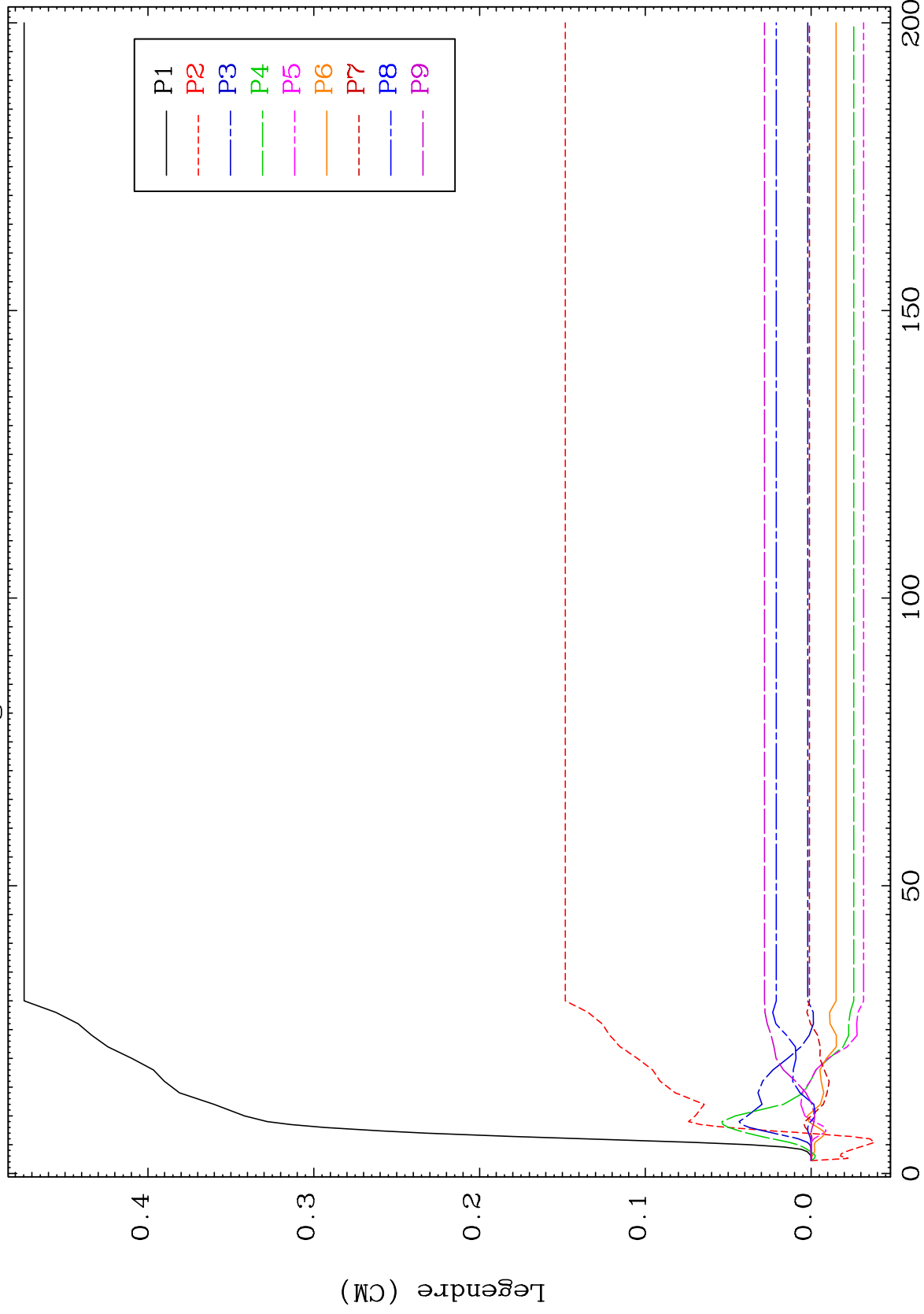
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MAT 8207

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

82-Pb-198



54

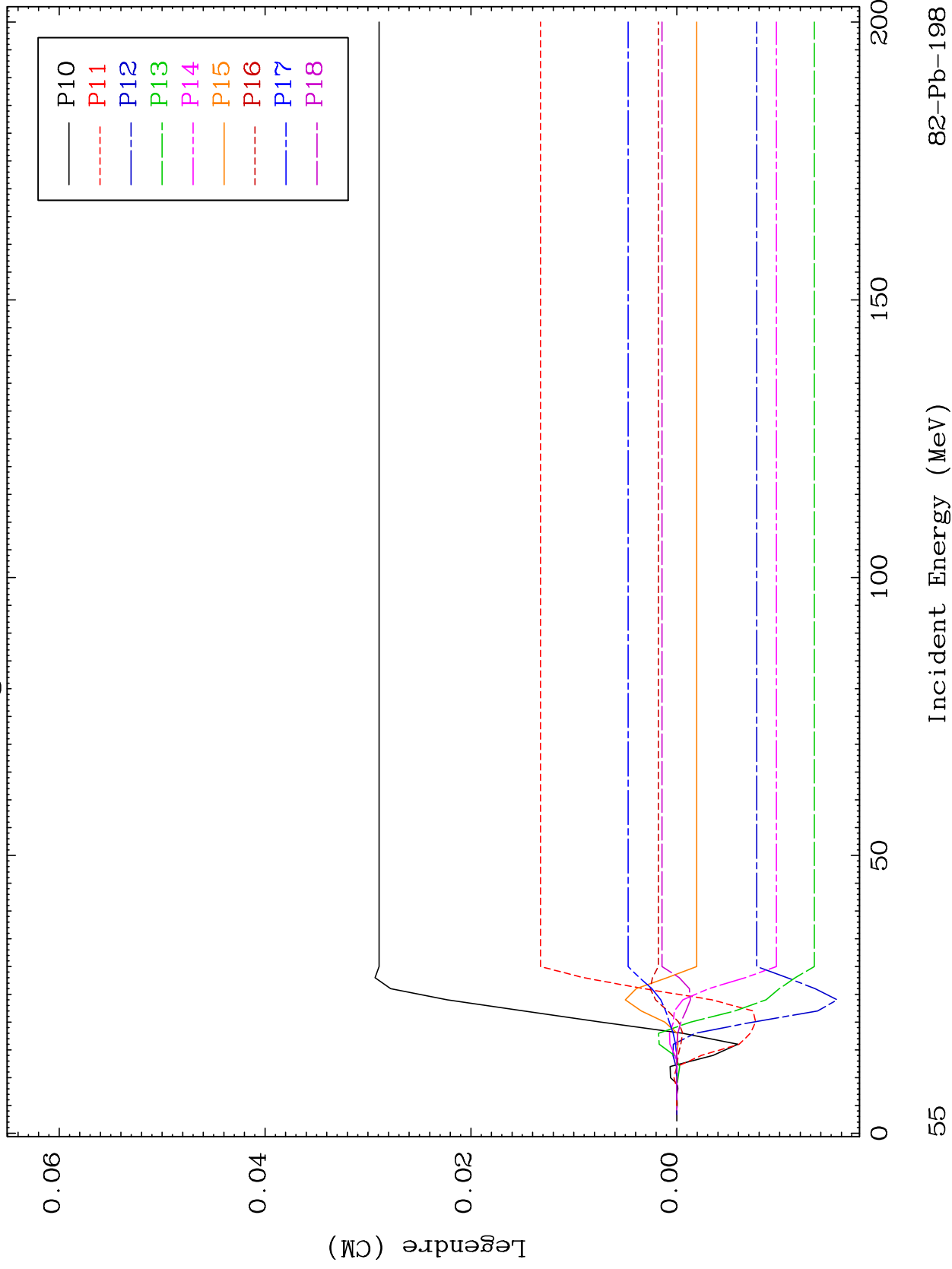
Incident Energy (MeV)

82-Pb-198

MAT 8207

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

82-Pb-198



82-Pb-198

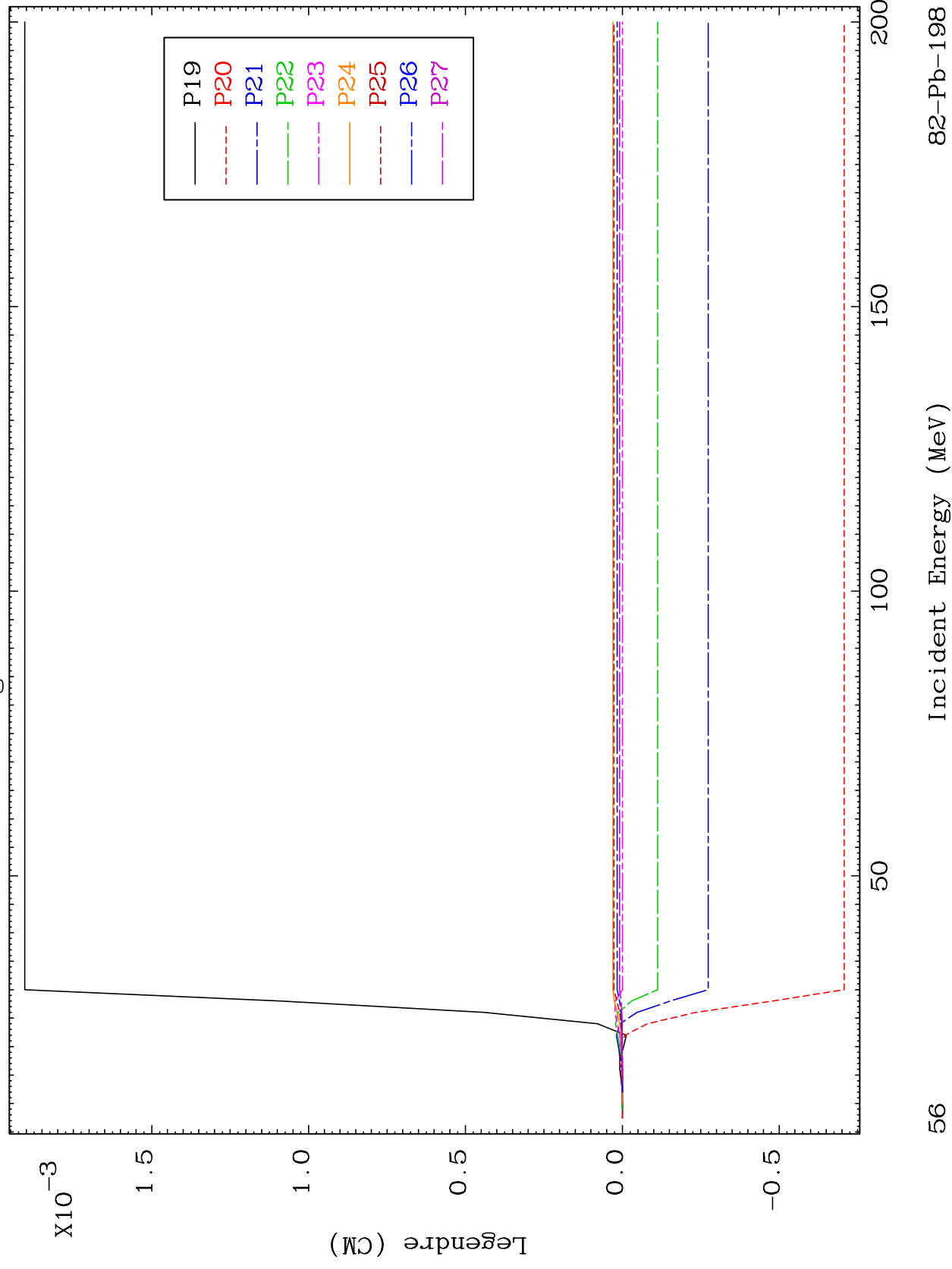
Incident Energy (MeV)

55

MAT 8207

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

82-Pb-198



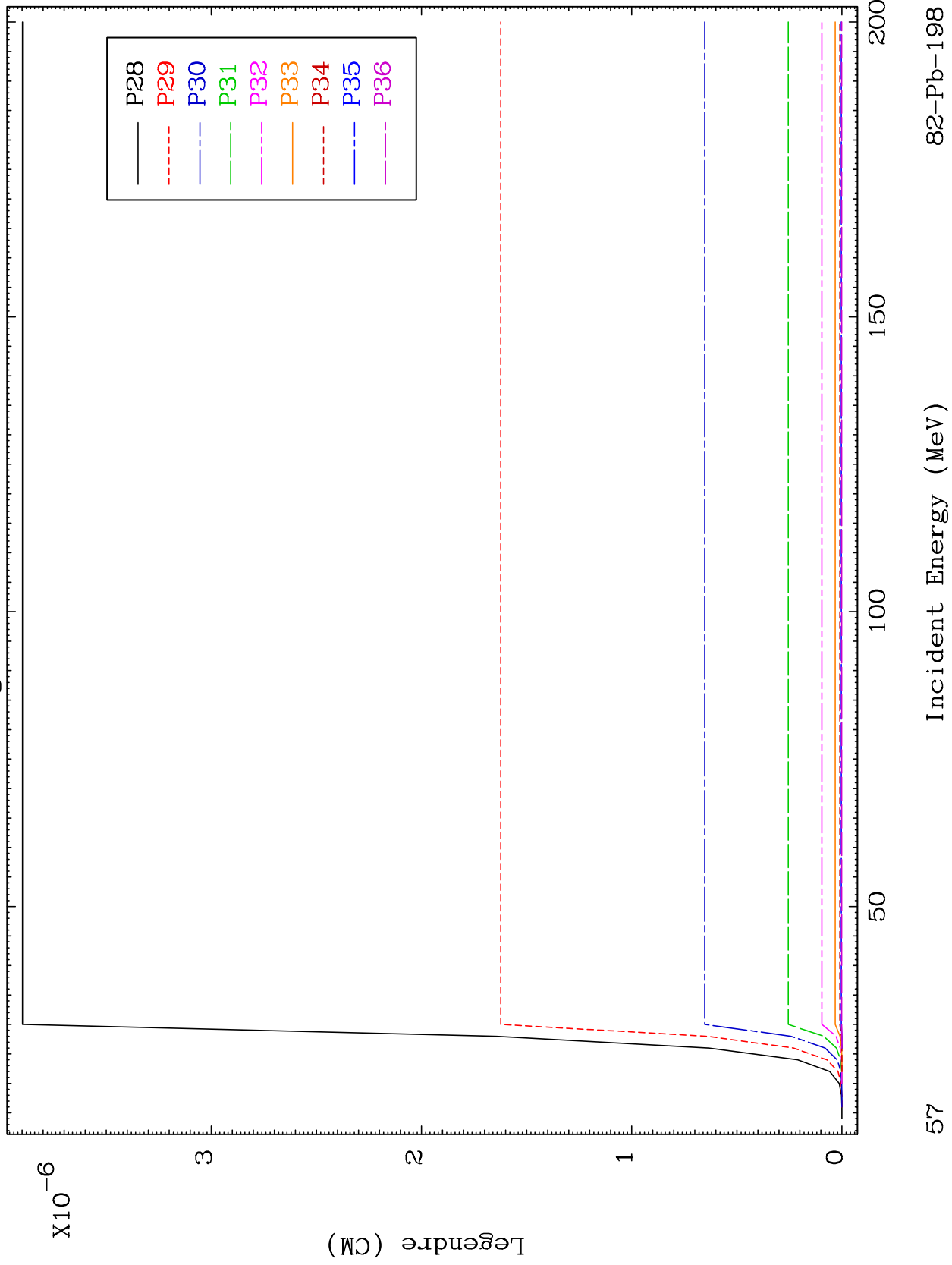
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82-Pb-198

MAT 8207

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

82-Pb-198

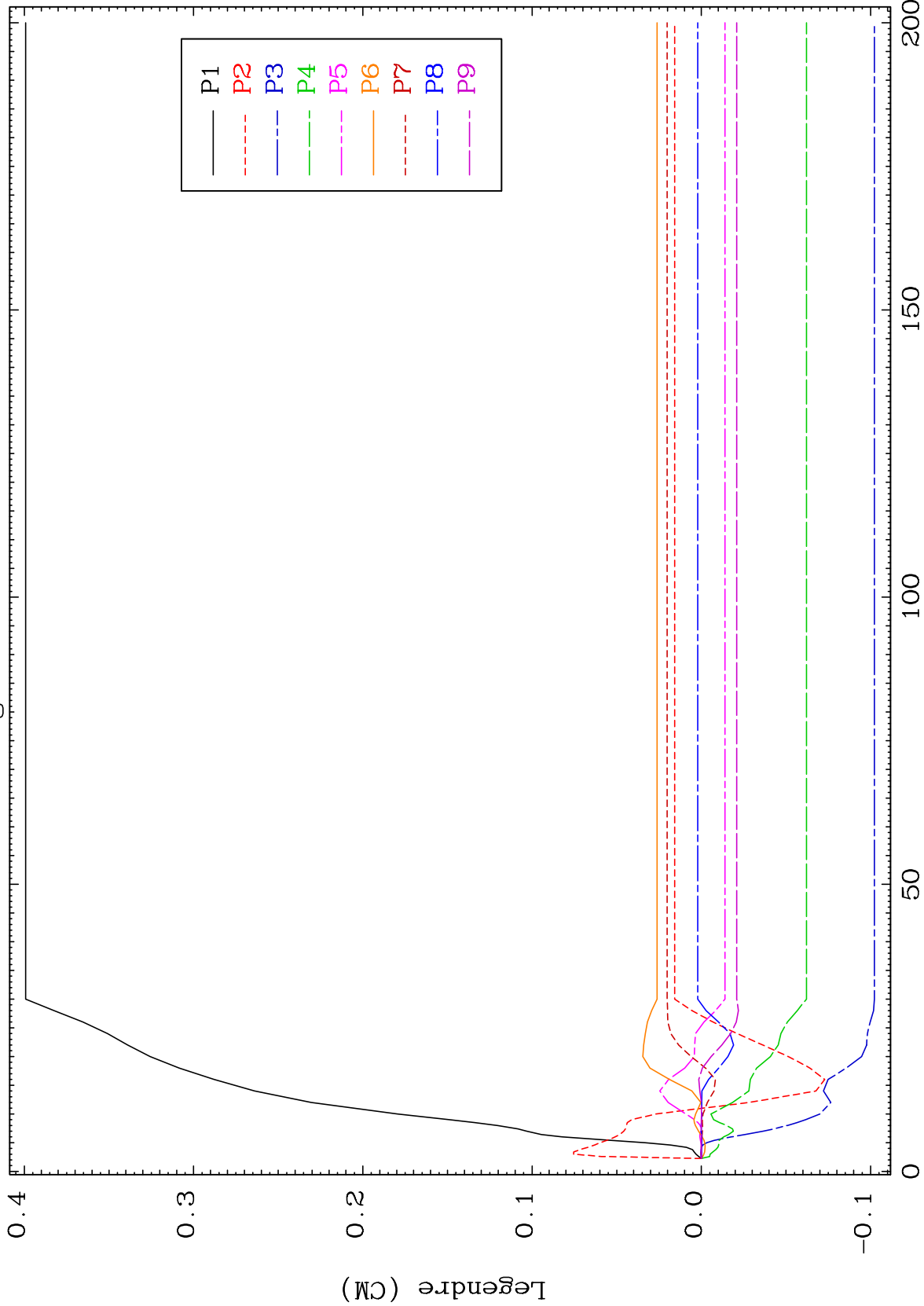


57

MAT 8207

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

82-Pb-198



58

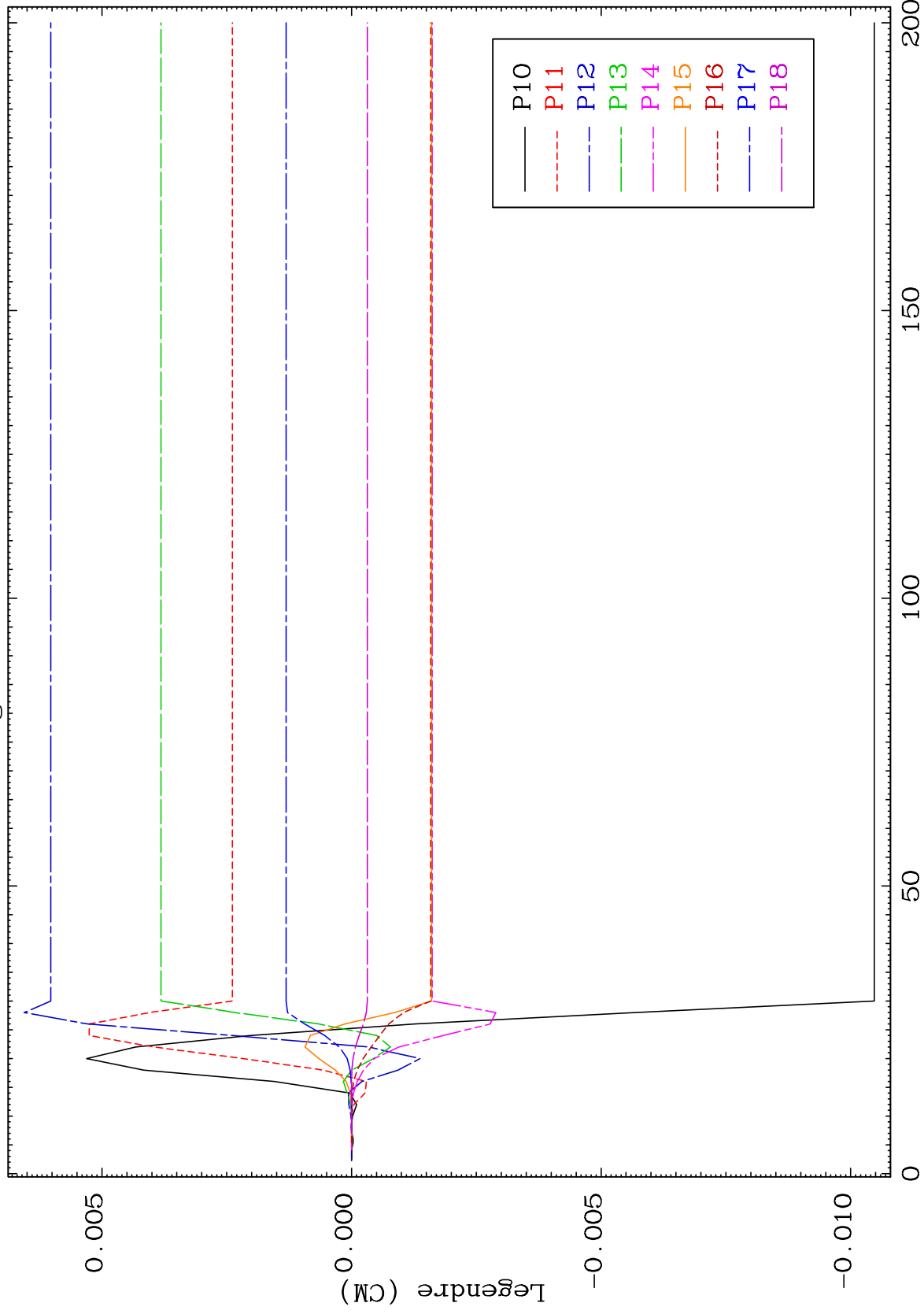
Incident Energy (MeV)

82-Pb-198

MAT 8207

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

82-Pb-198



59

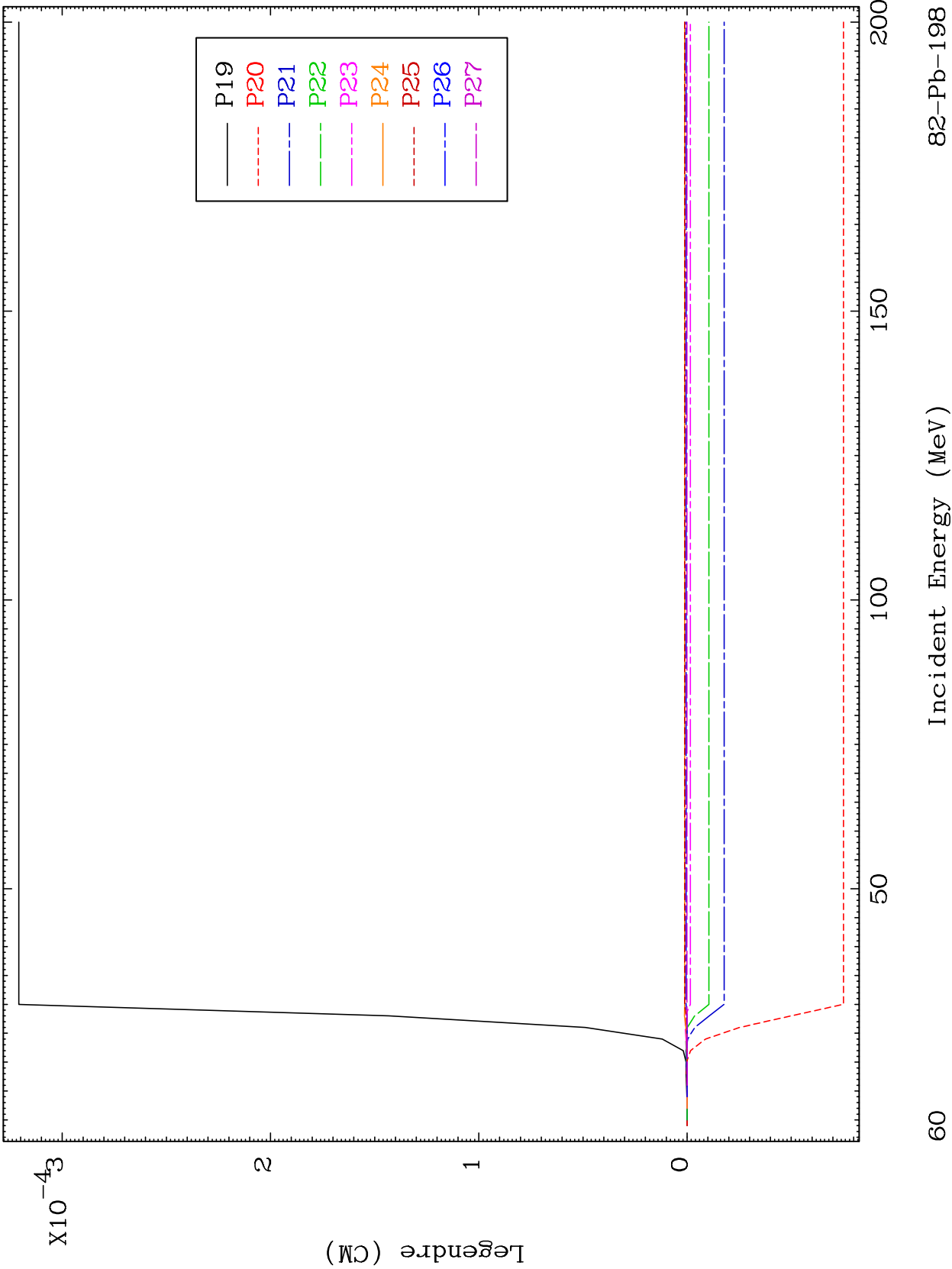
Incident Energy (MeV)

82-Pb-198

MAT 8207

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

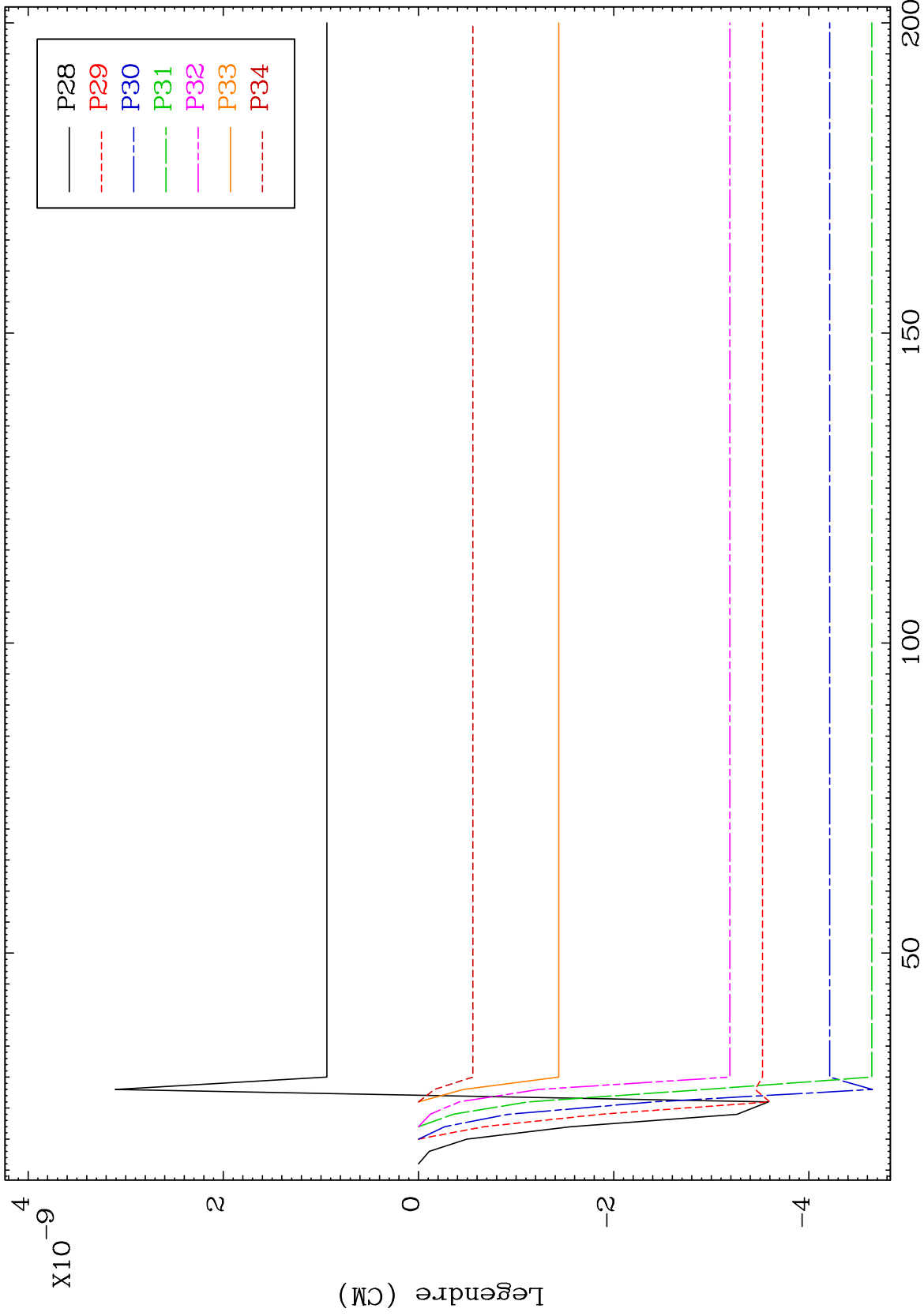
82-Pb-198



MAT 8207

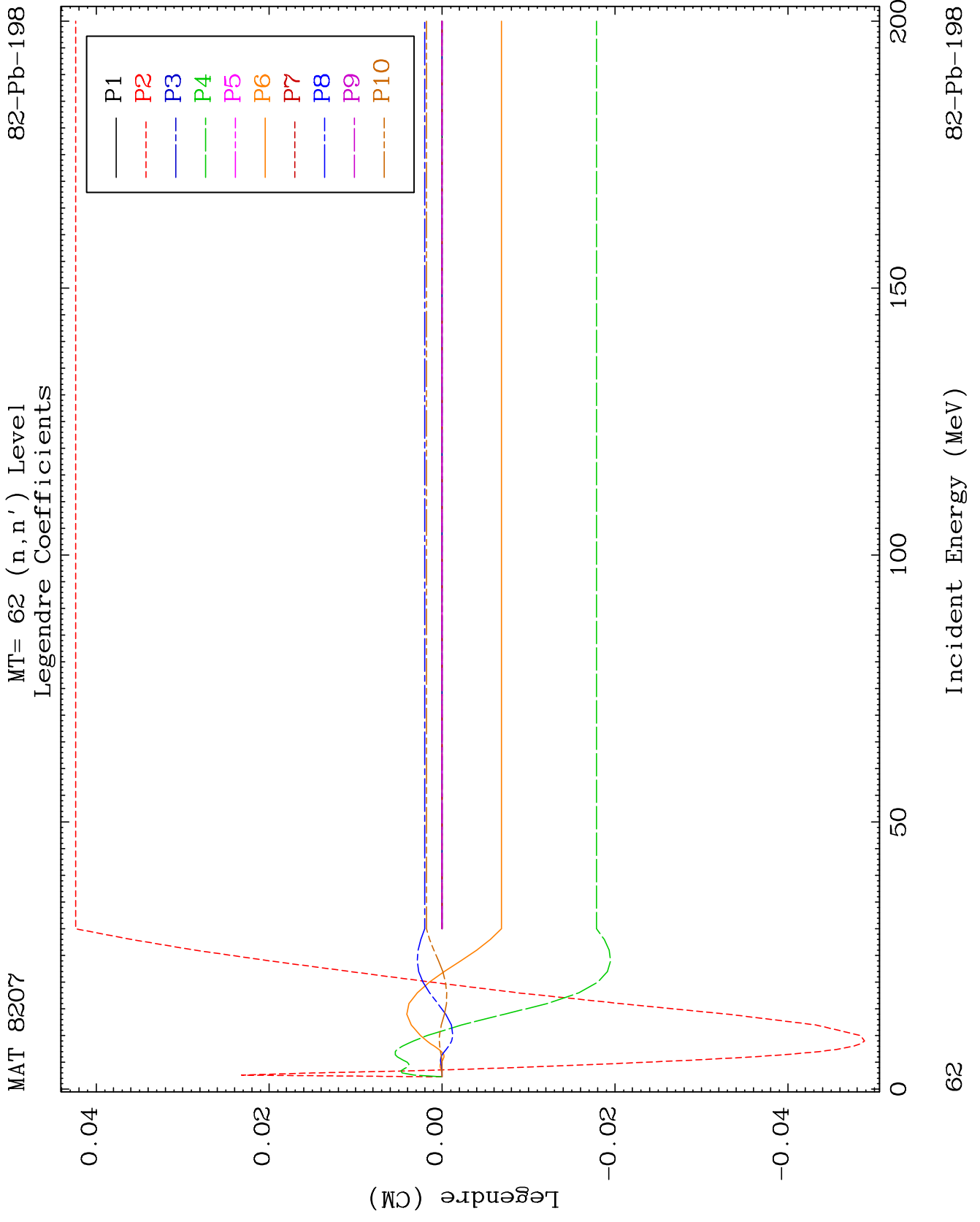
MT= 61 (n,n') Level  
Legendre Coefficients

82-Pb-198



61

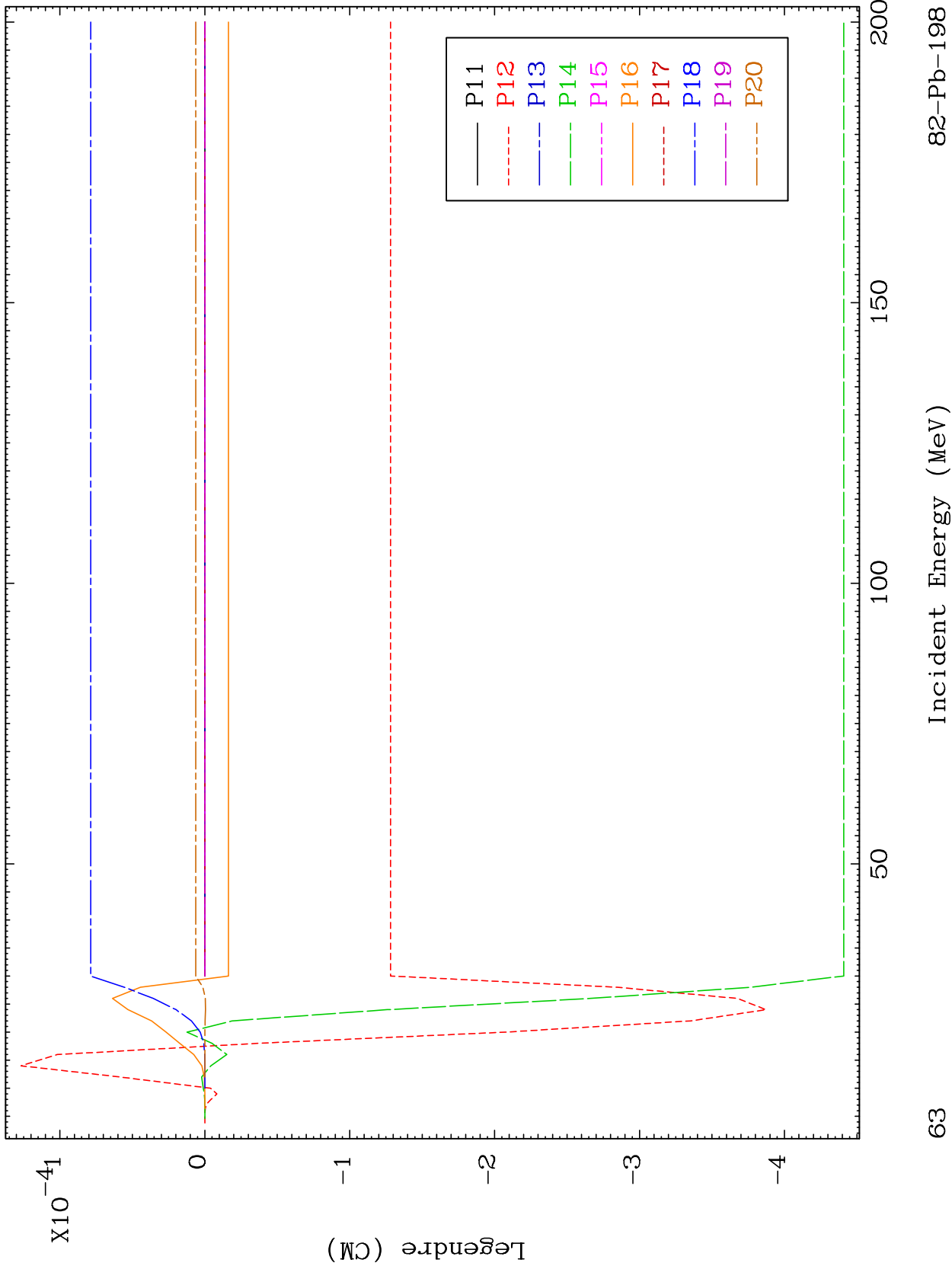
82-Pb-198



MAT 8207

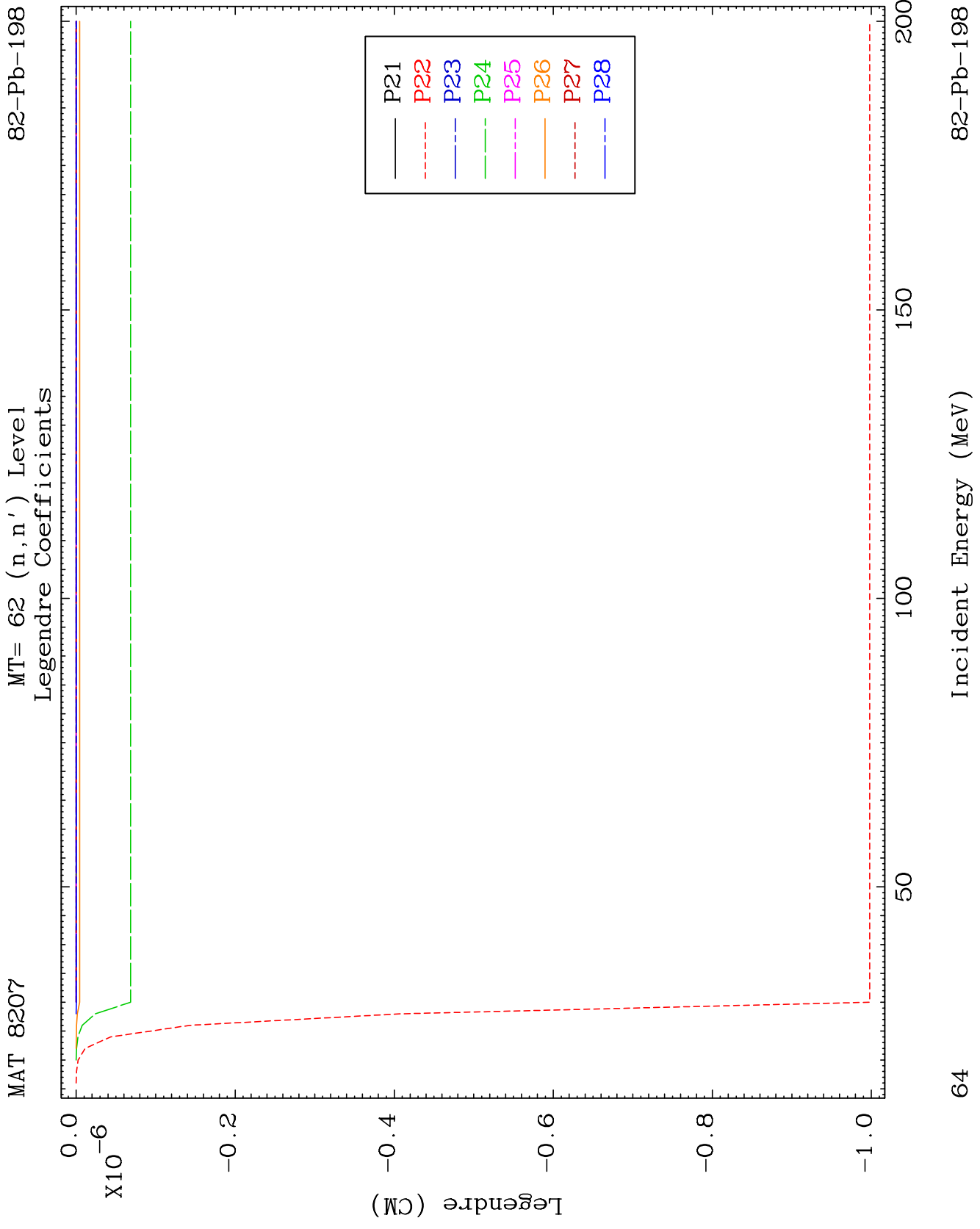
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Legendre Coefficients

82-Pb-198



63

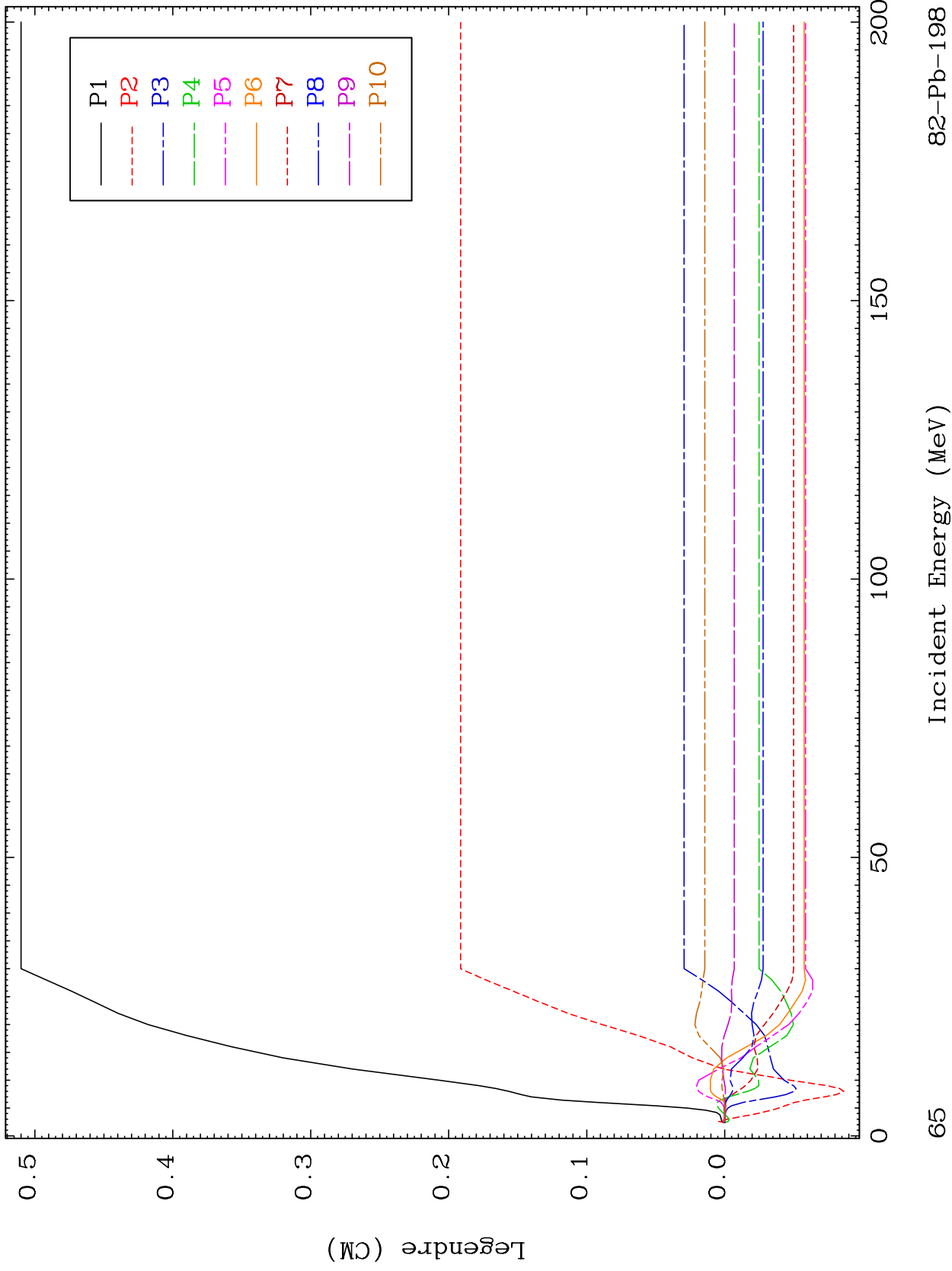
82-Pb-198



MAT 8207

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

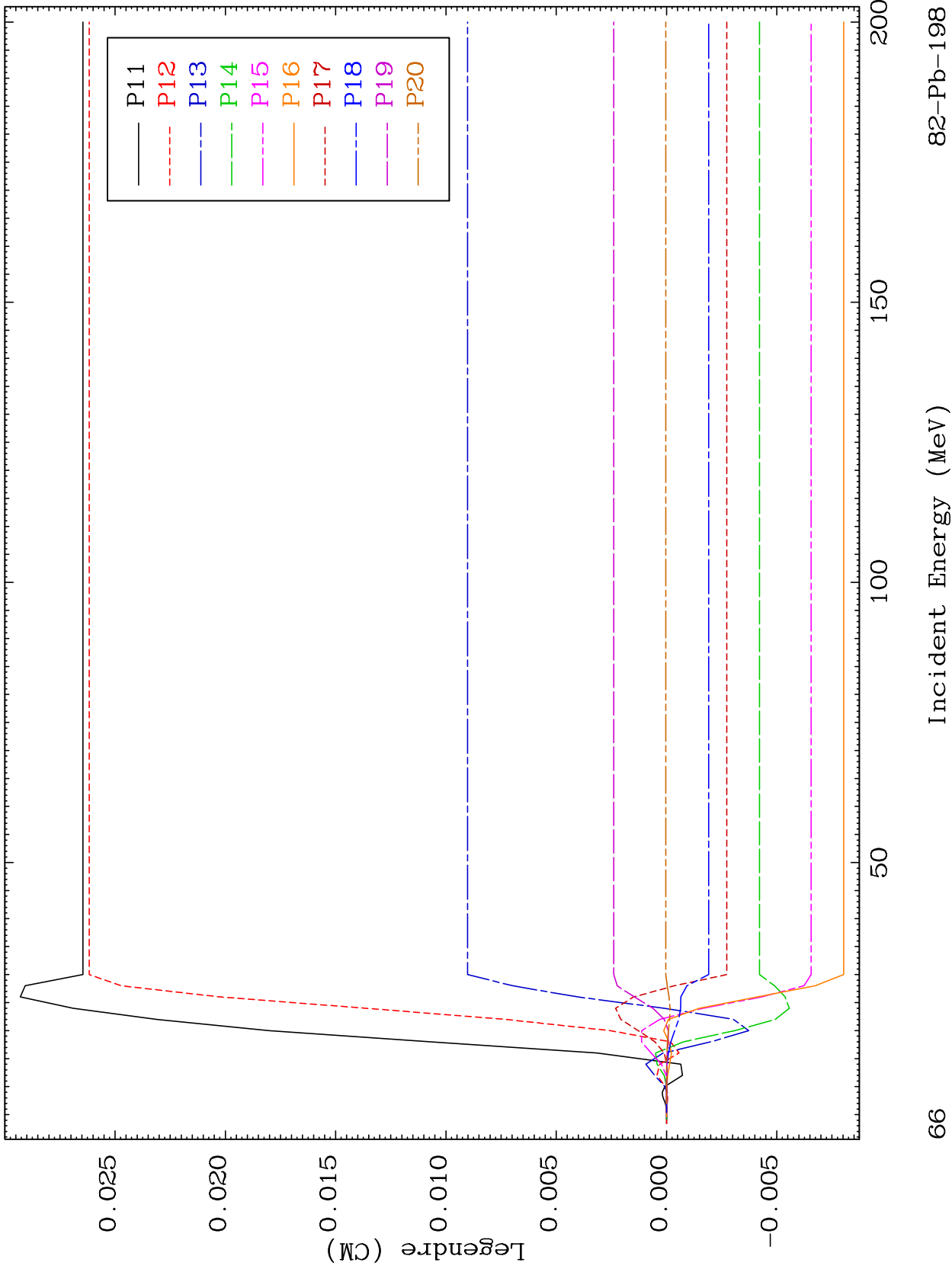
82-Pb-198



82-Pb-198

Incident Energy (MeV)

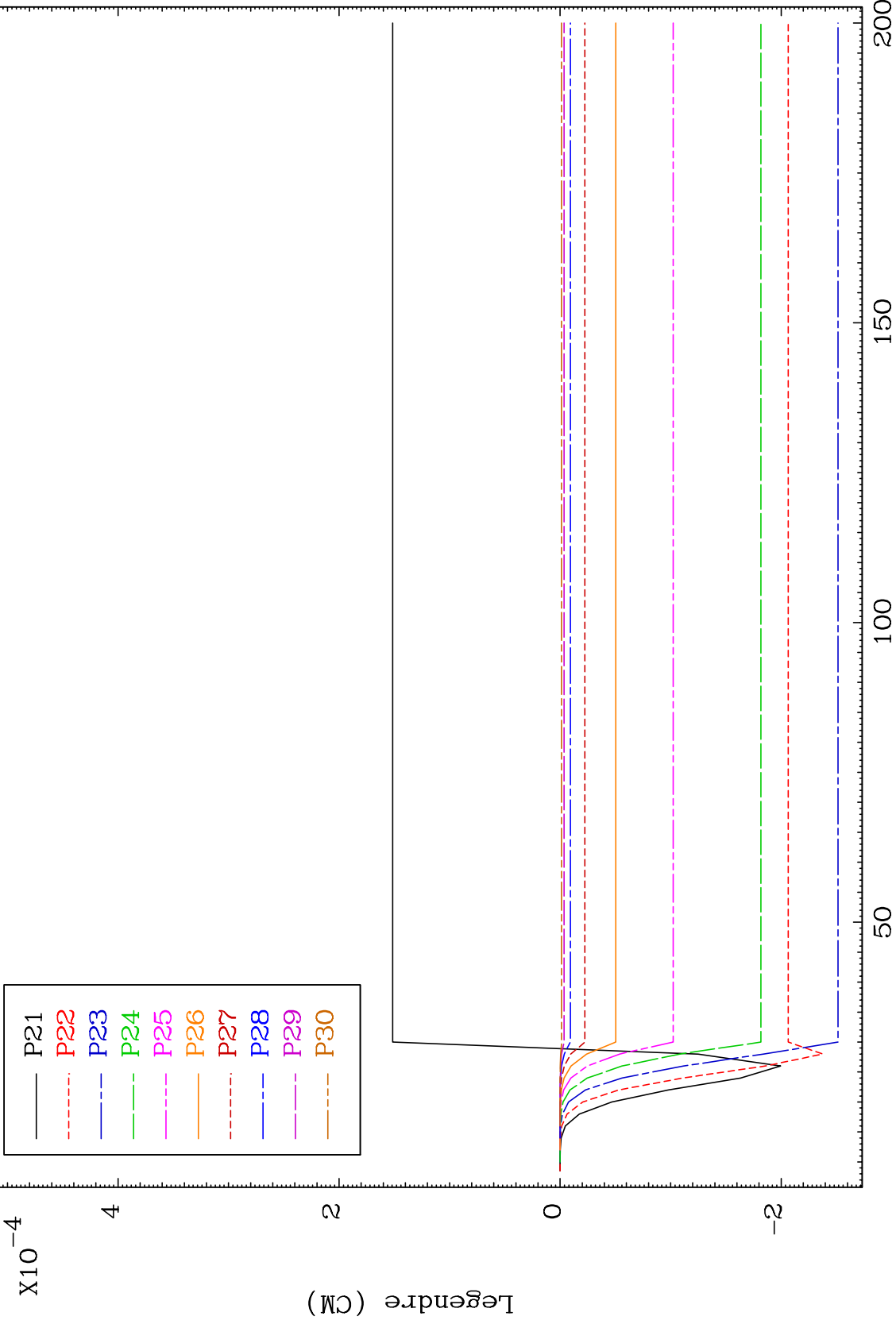
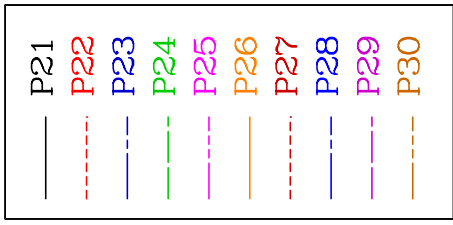
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MAT 8207

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

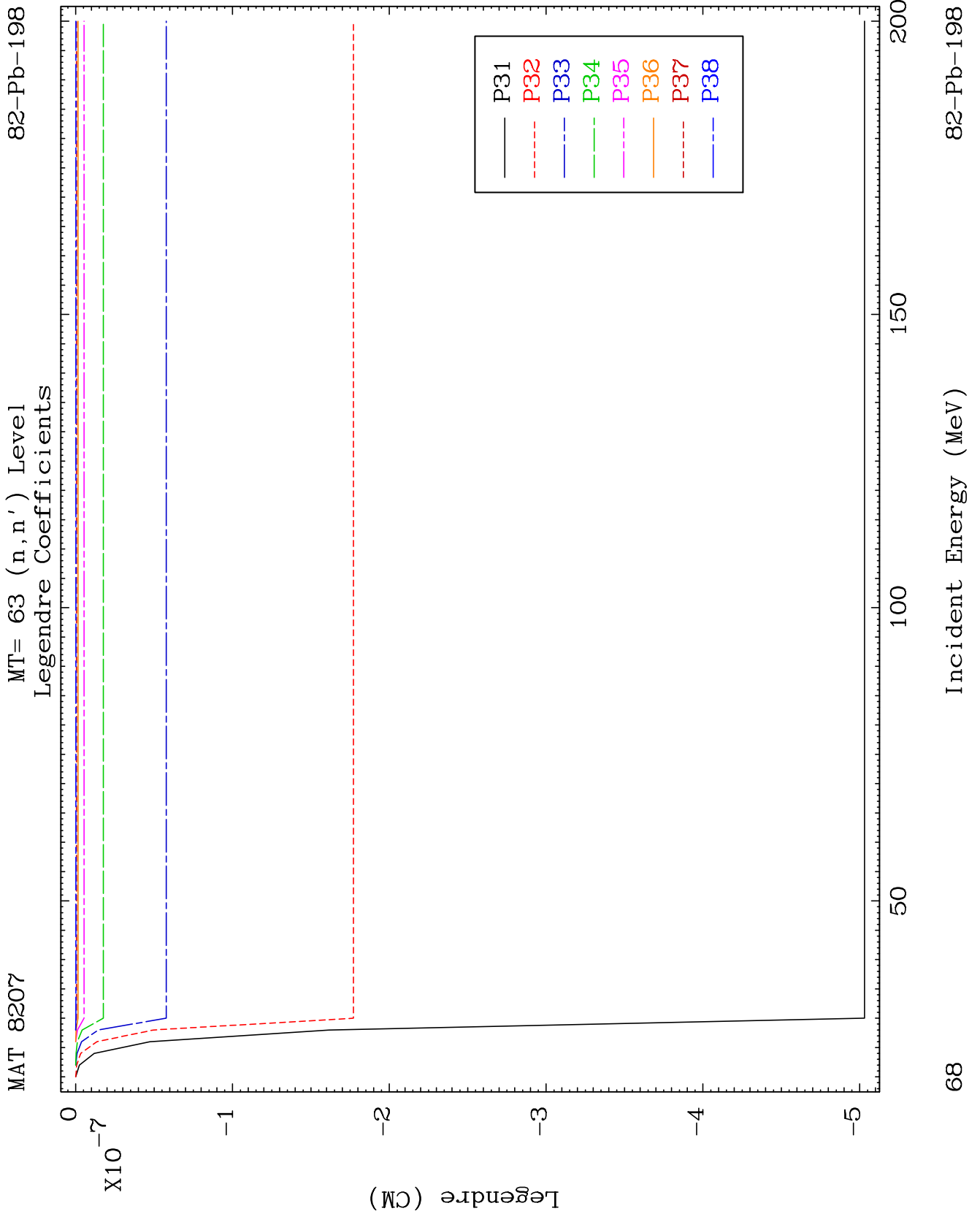
82-Pb-198



67

Incident Energy (MeV)

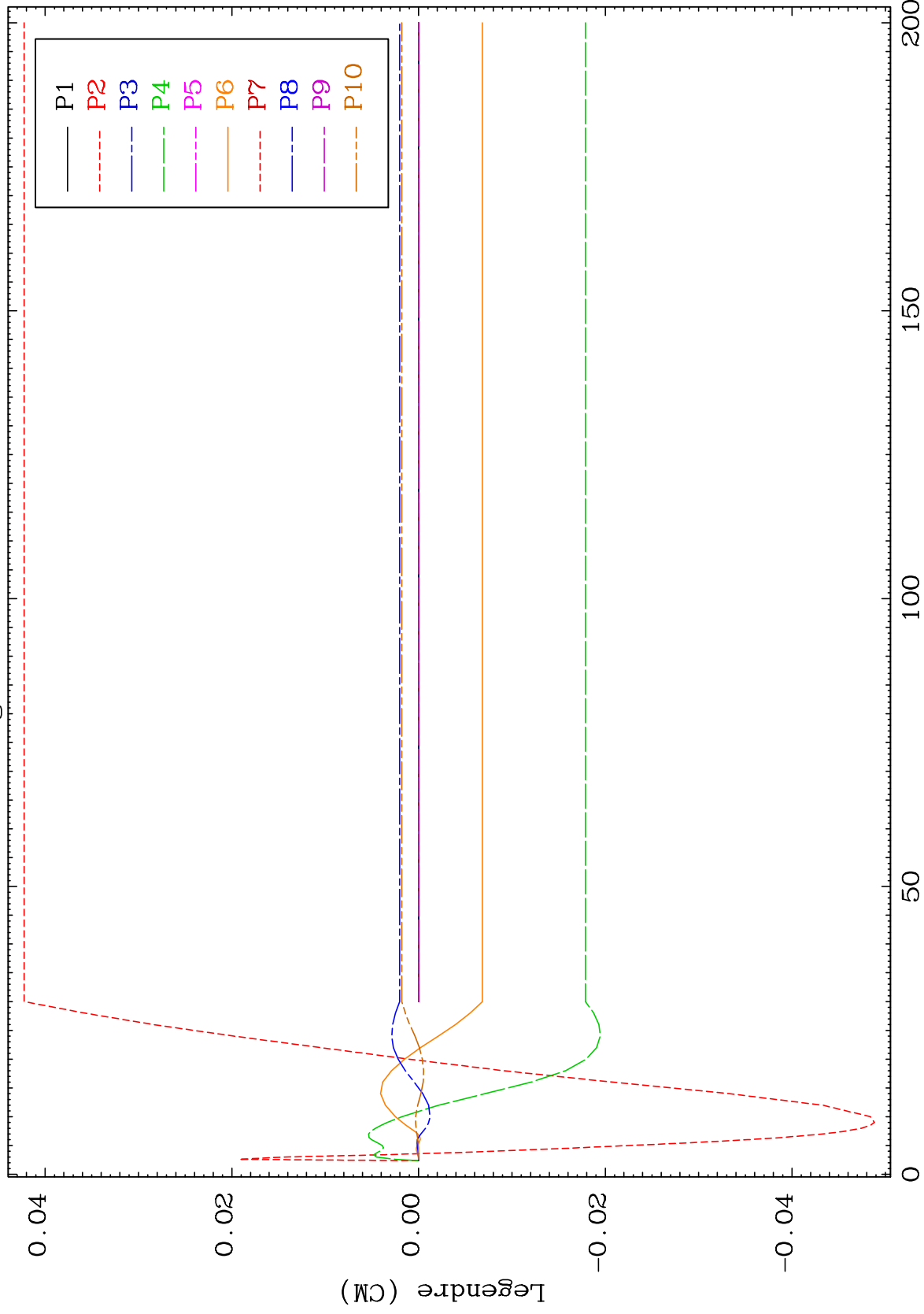
82-Pb-198



MAT 8207

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

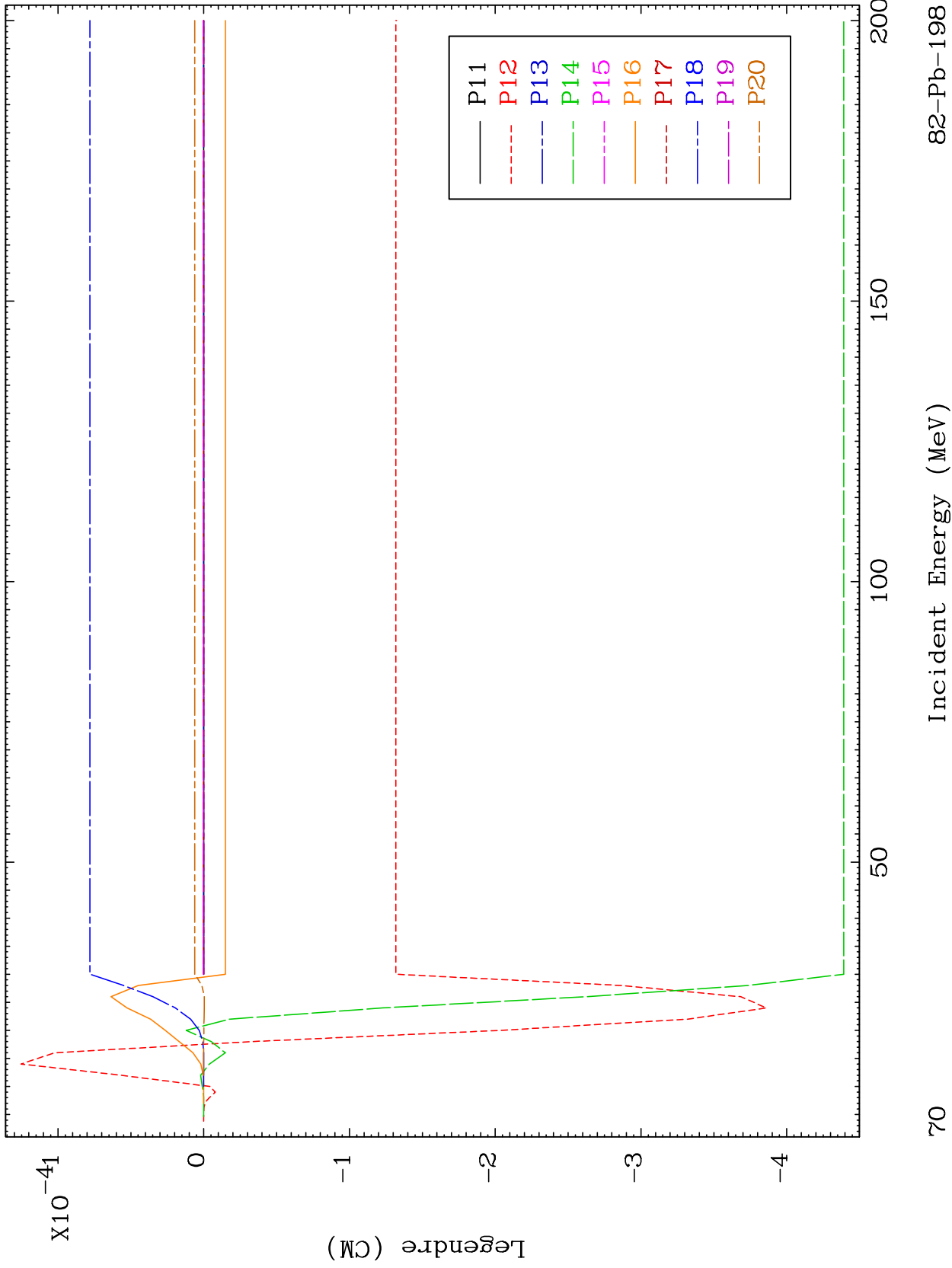
82-Pb-198



MAT 8207

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

82-Pb-198



70

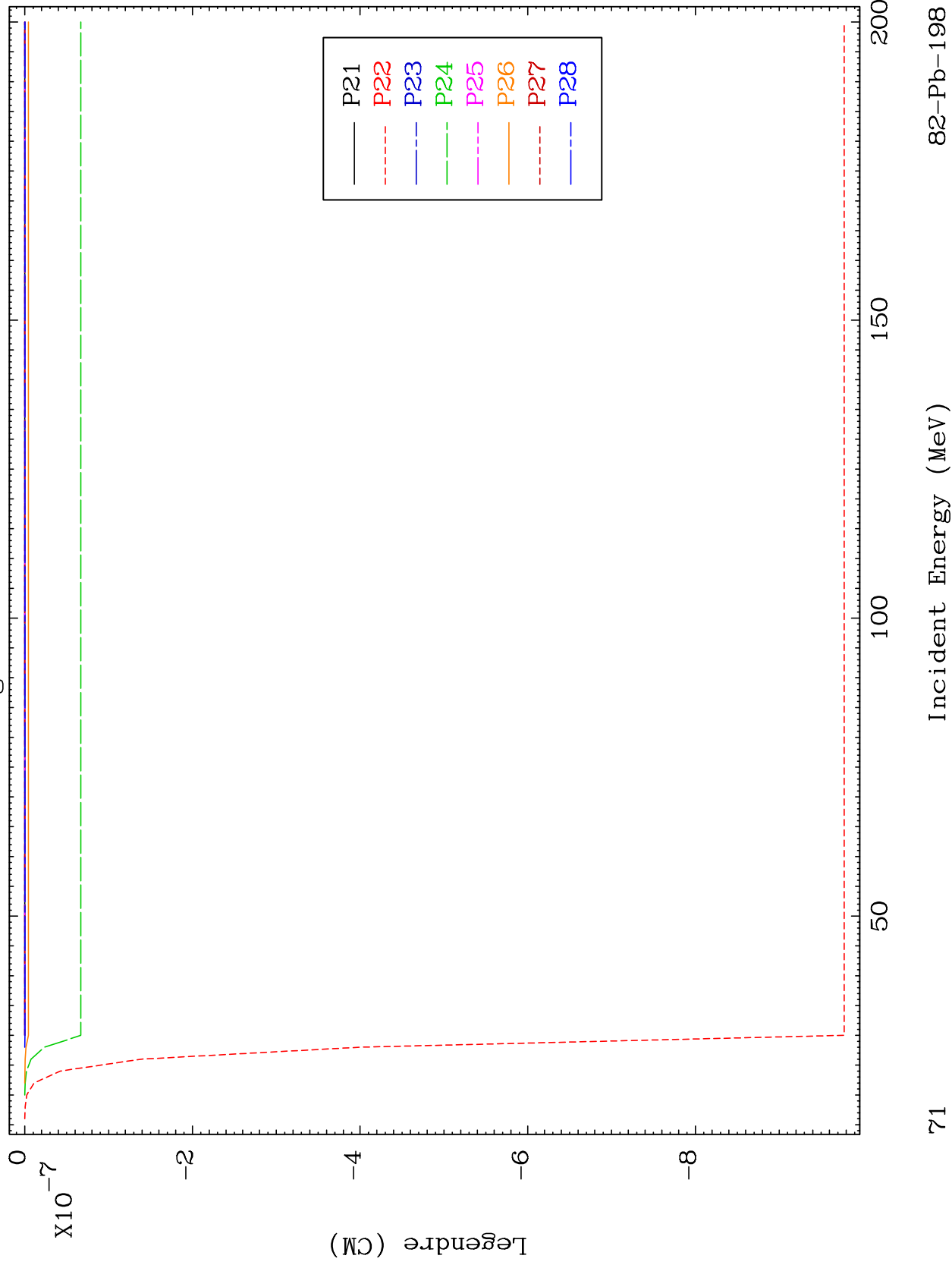
Incident Energy (MeV)

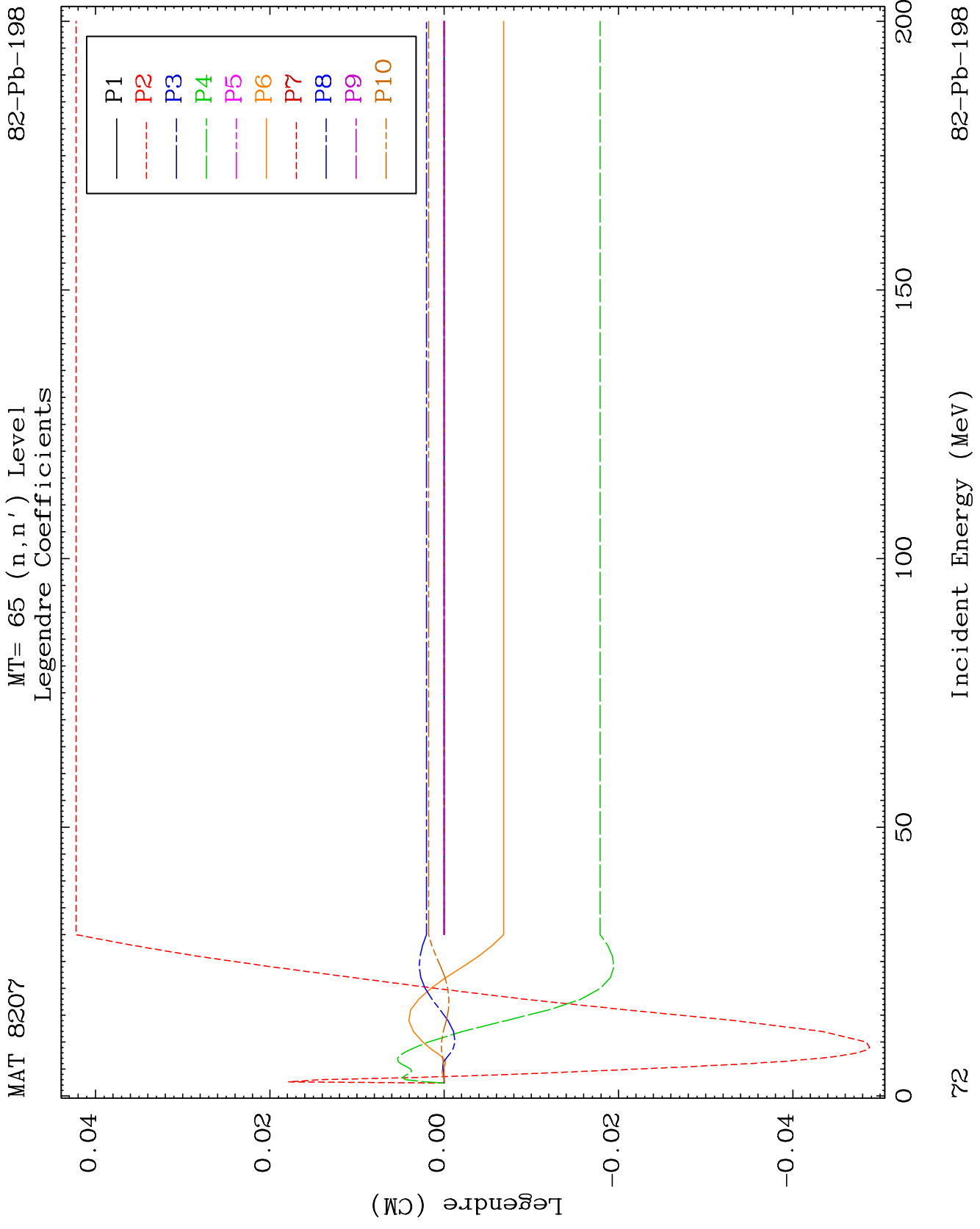
82-Pb-198

MAT 8207

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

82-Pb-198

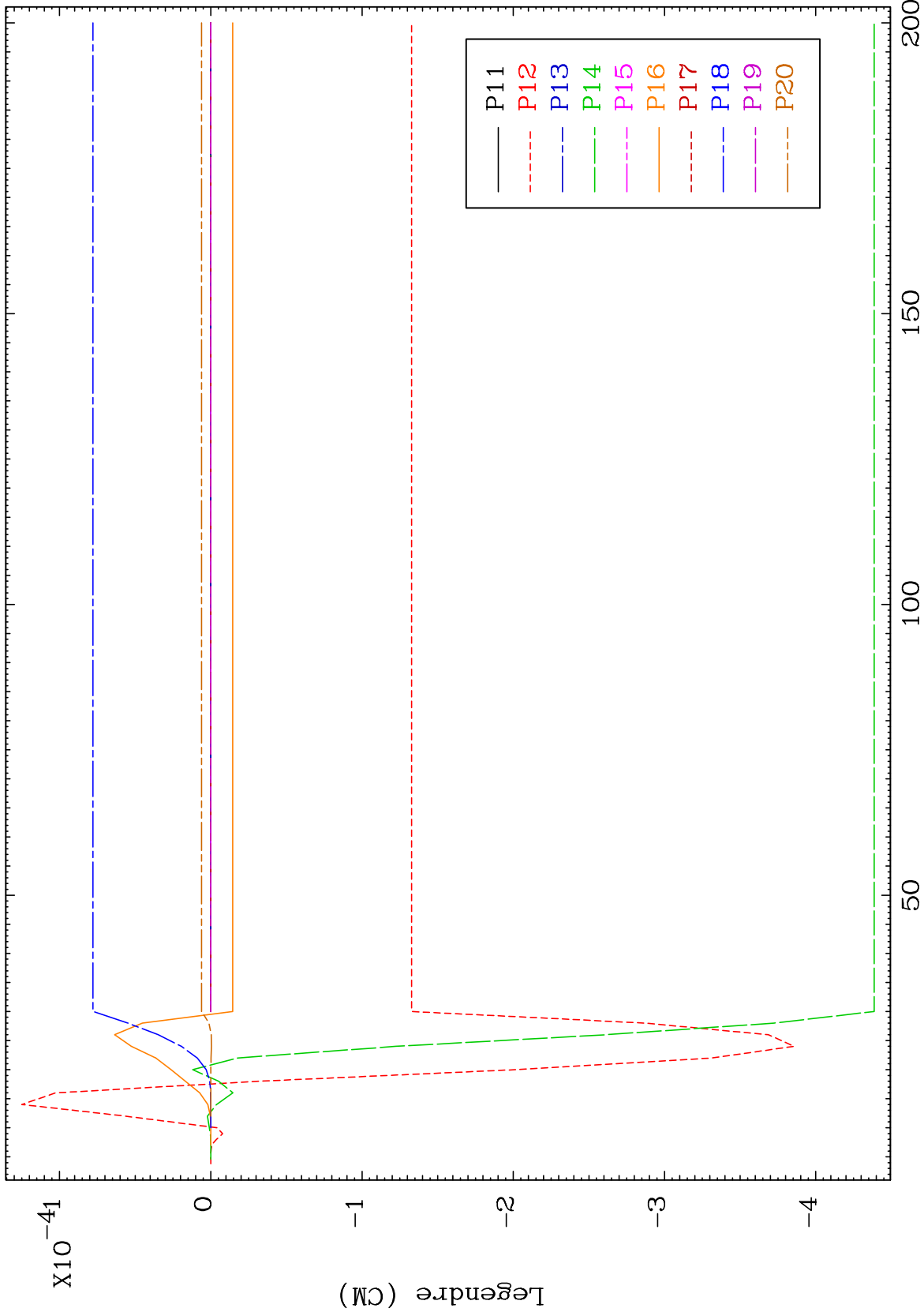




MAT 8207

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

82-Pb-198



73

Incident Energy (MeV)

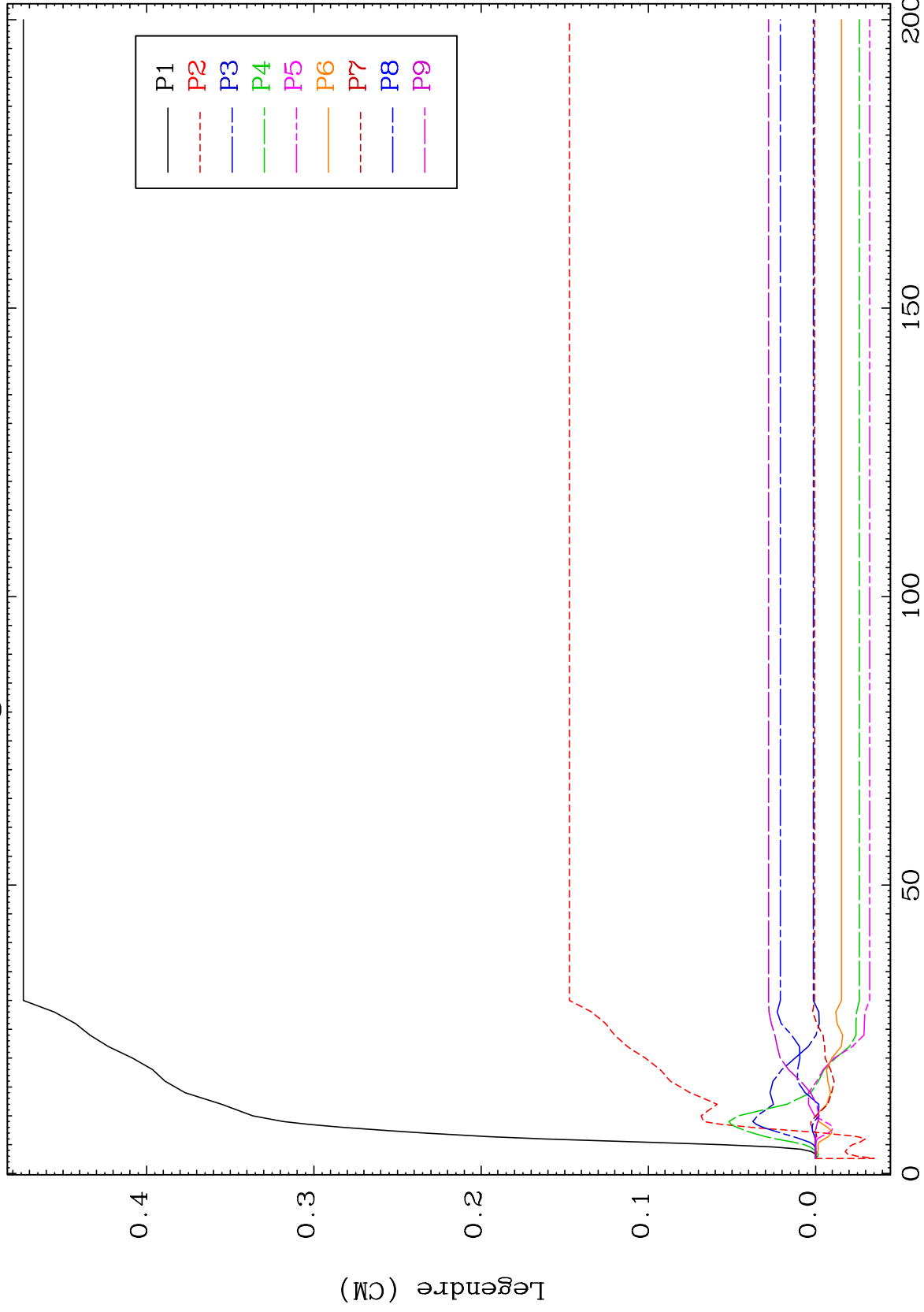
82-Pb-198



MAT 8207

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

82-Pb-198



75

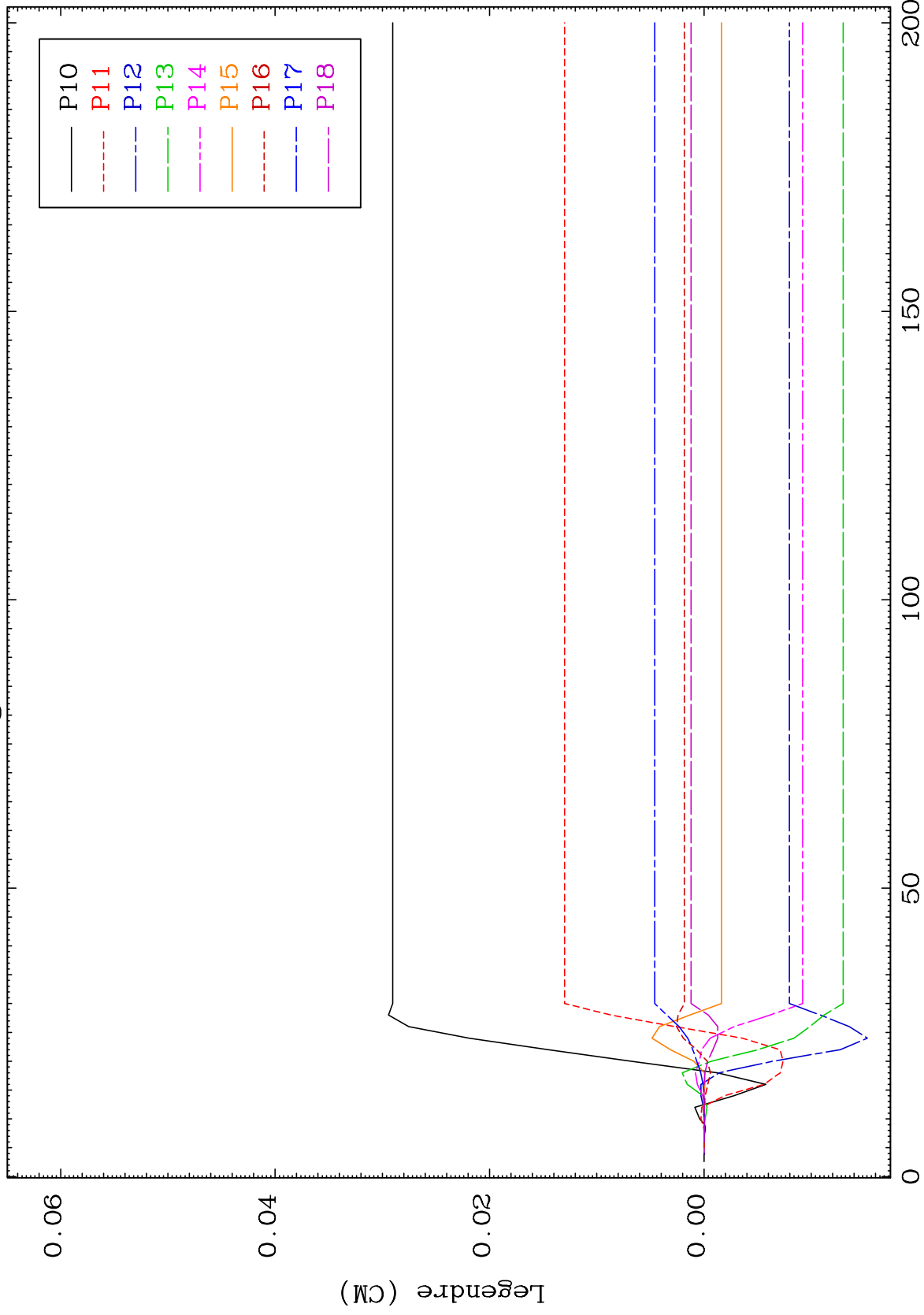
Incident Energy (MeV)

82-Pb-198

MAT 8207

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

82-Pb-198



76

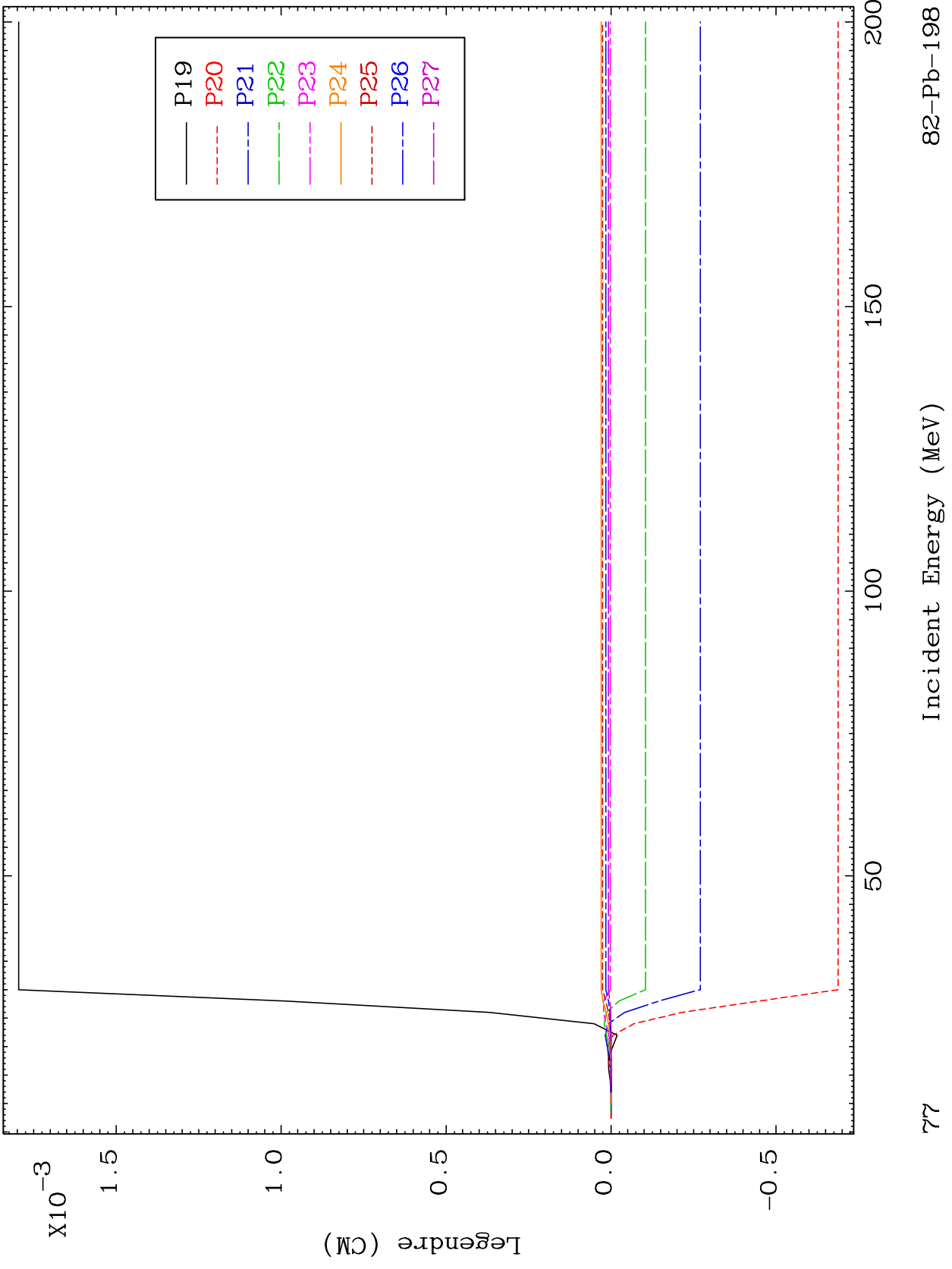
Incident Energy (MeV)

82-Pb-198

MAT 8207

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

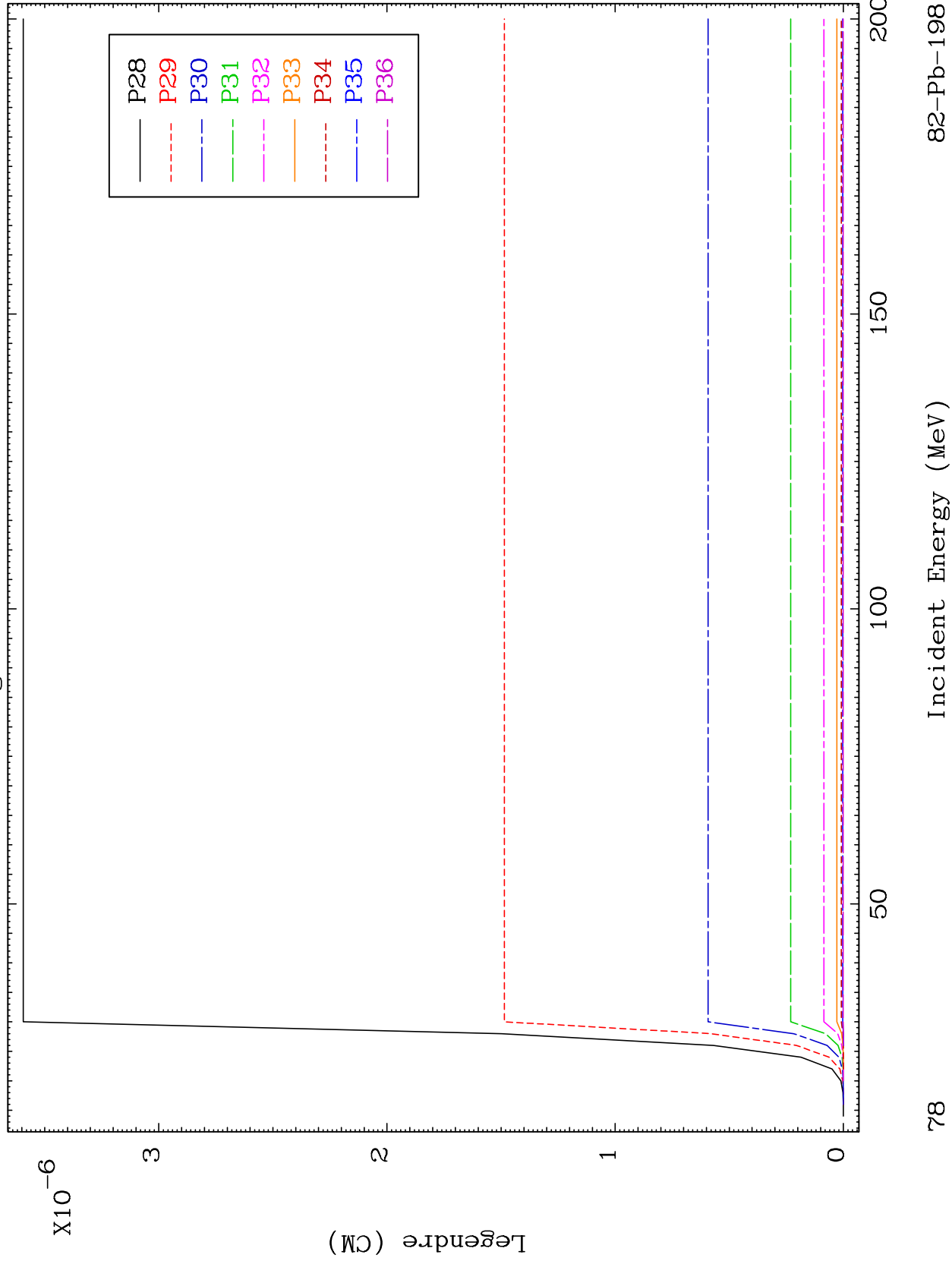
82-Pb-198



MAT 8207

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

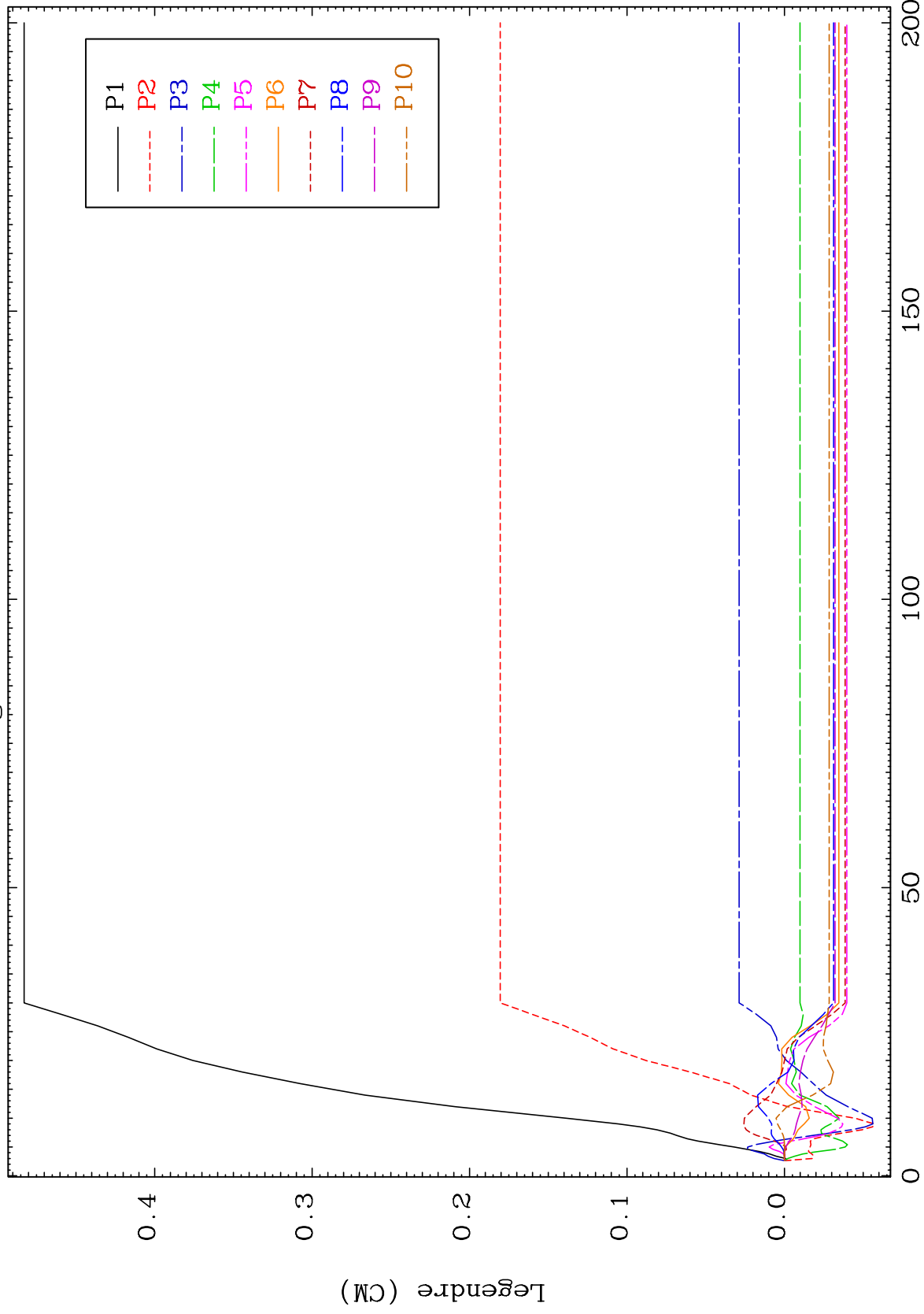
82-Pb-198



MAT 8207

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

82-Pb-198



79

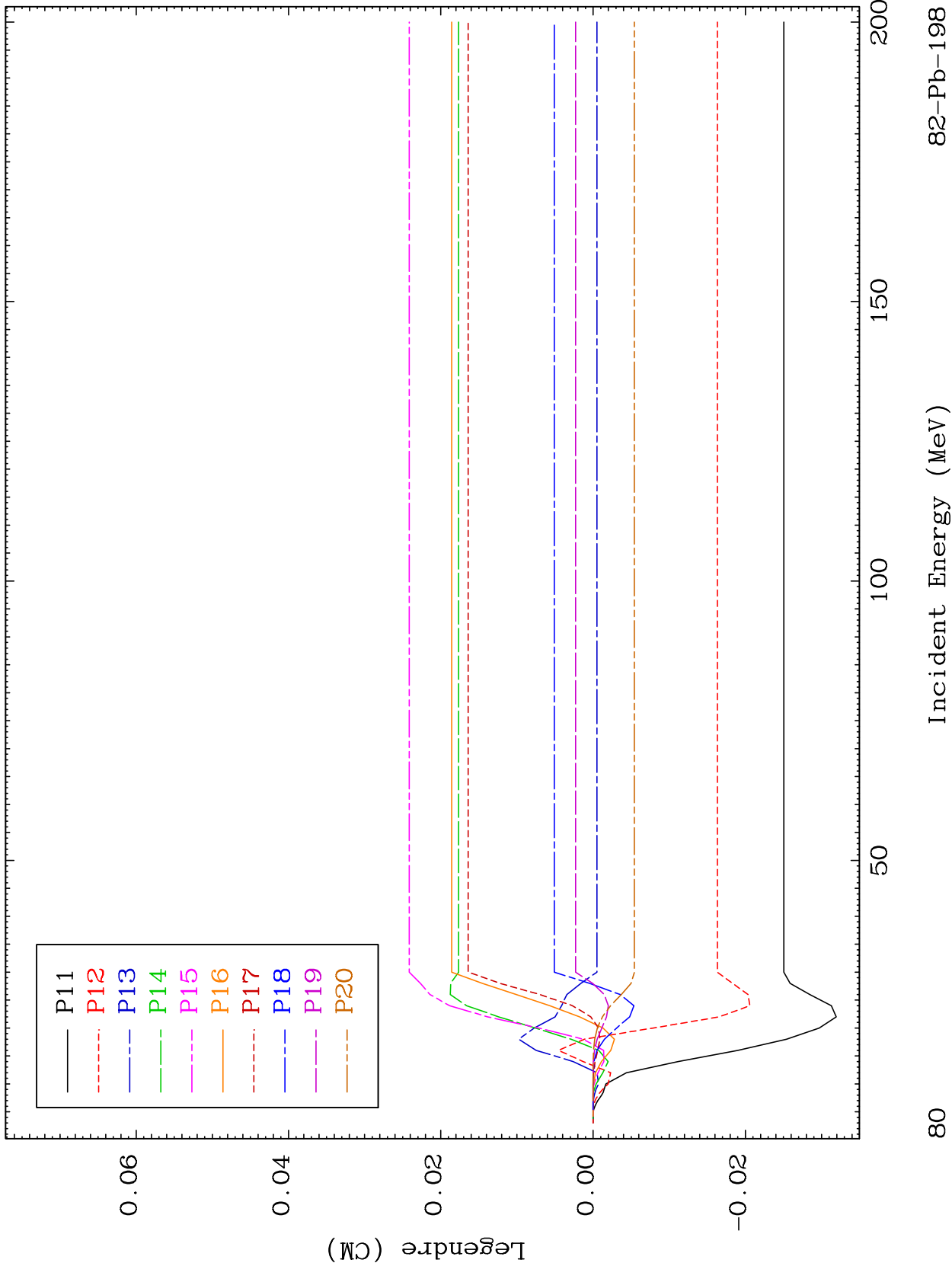
Incident Energy (MeV)

82-Pb-198

MAT 8207

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

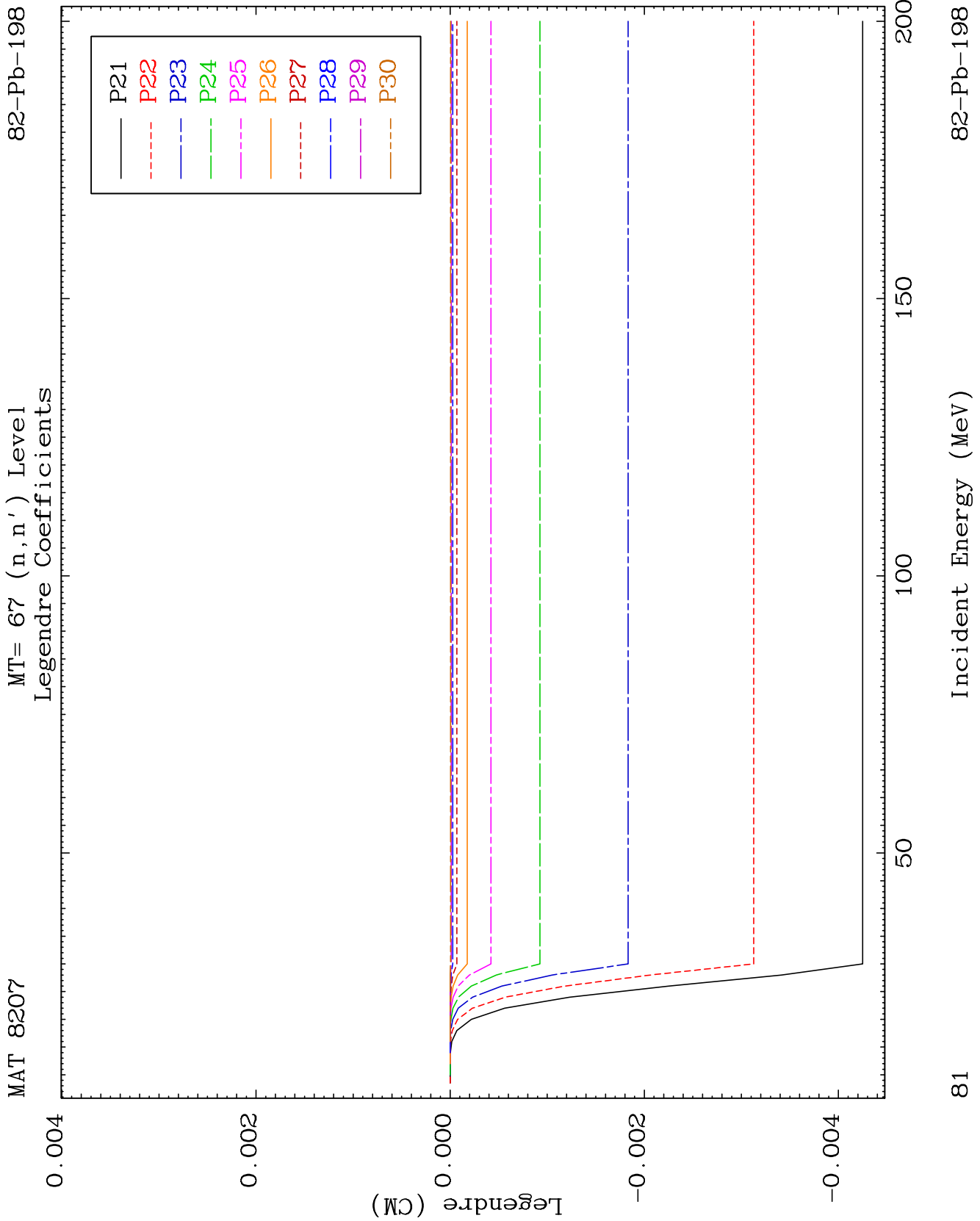
82-Pb-198



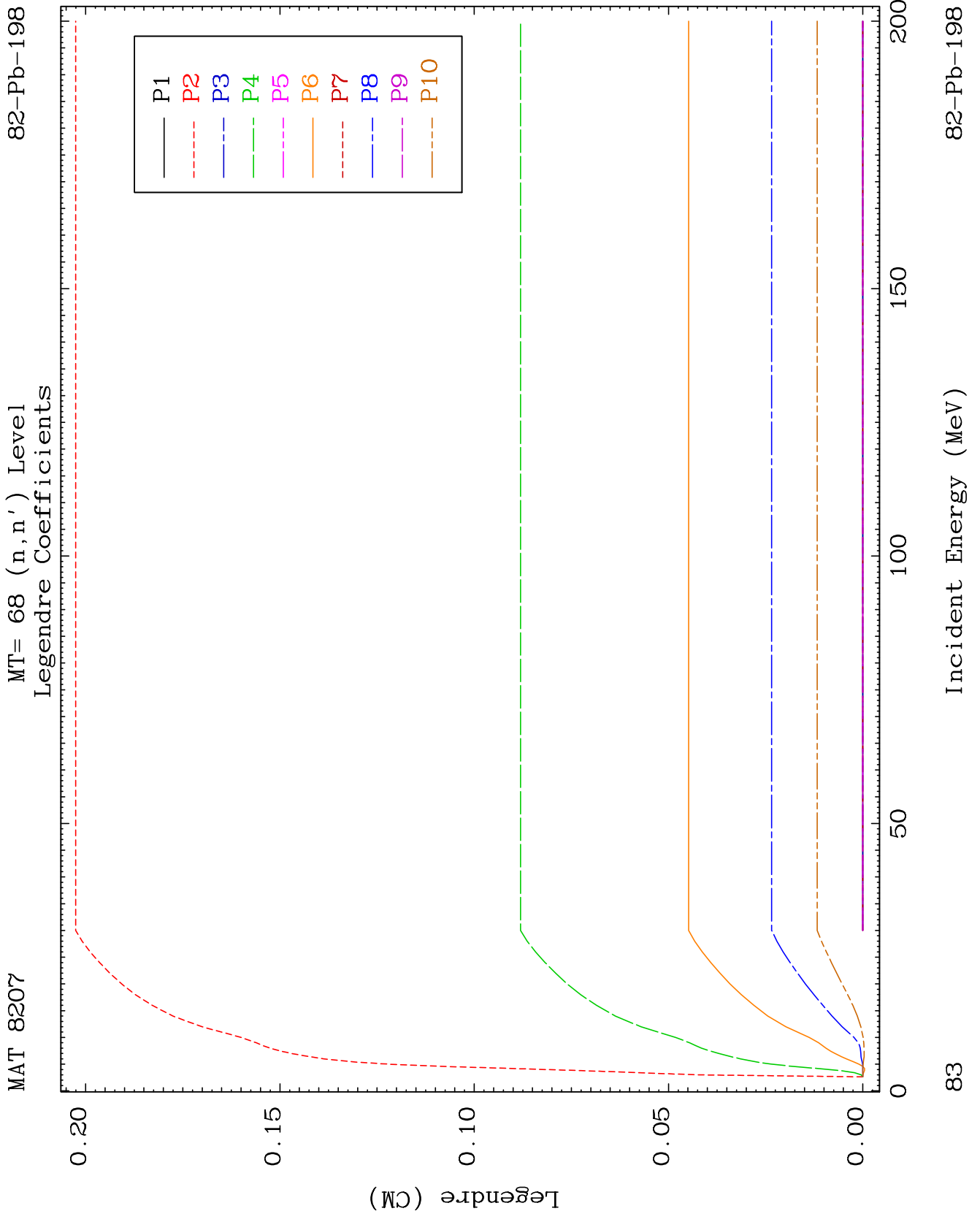
80

Incident Energy (MeV)

82-Pb-198







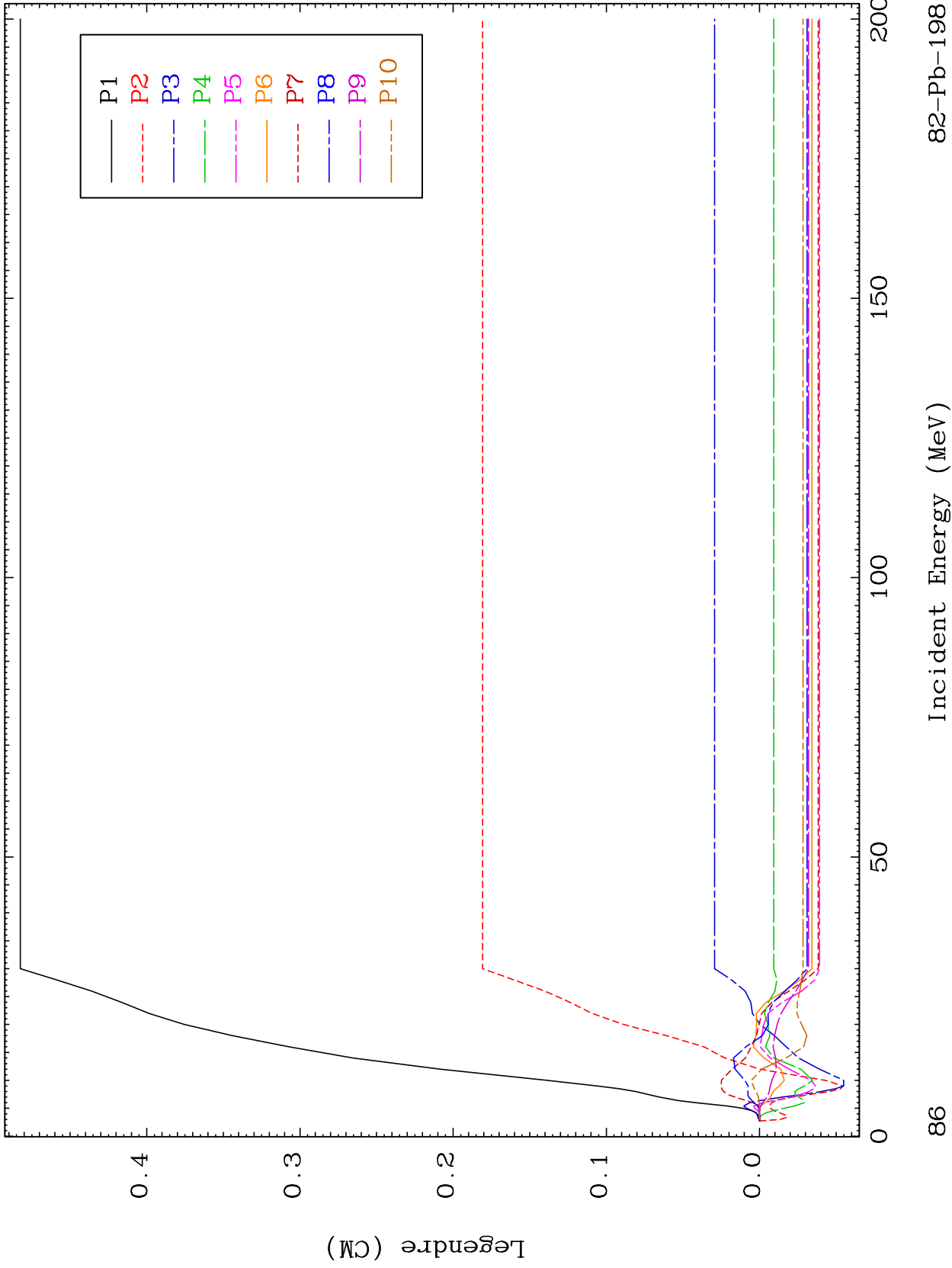




MAT 8207

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

82-Pb-198



86

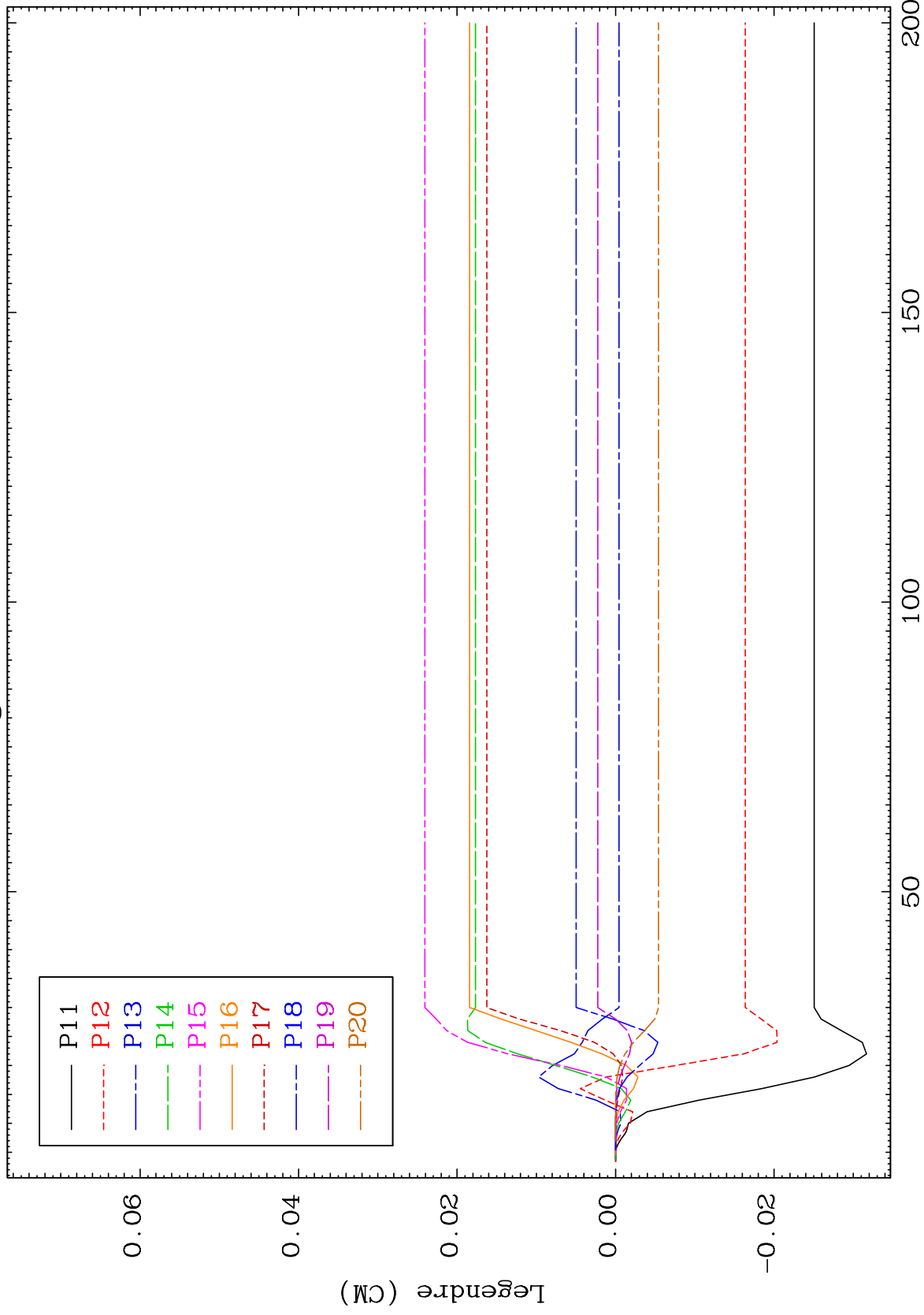
Incident Energy (MeV)

82-Pb-198

MAT 8207

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

82-Pb-198



87

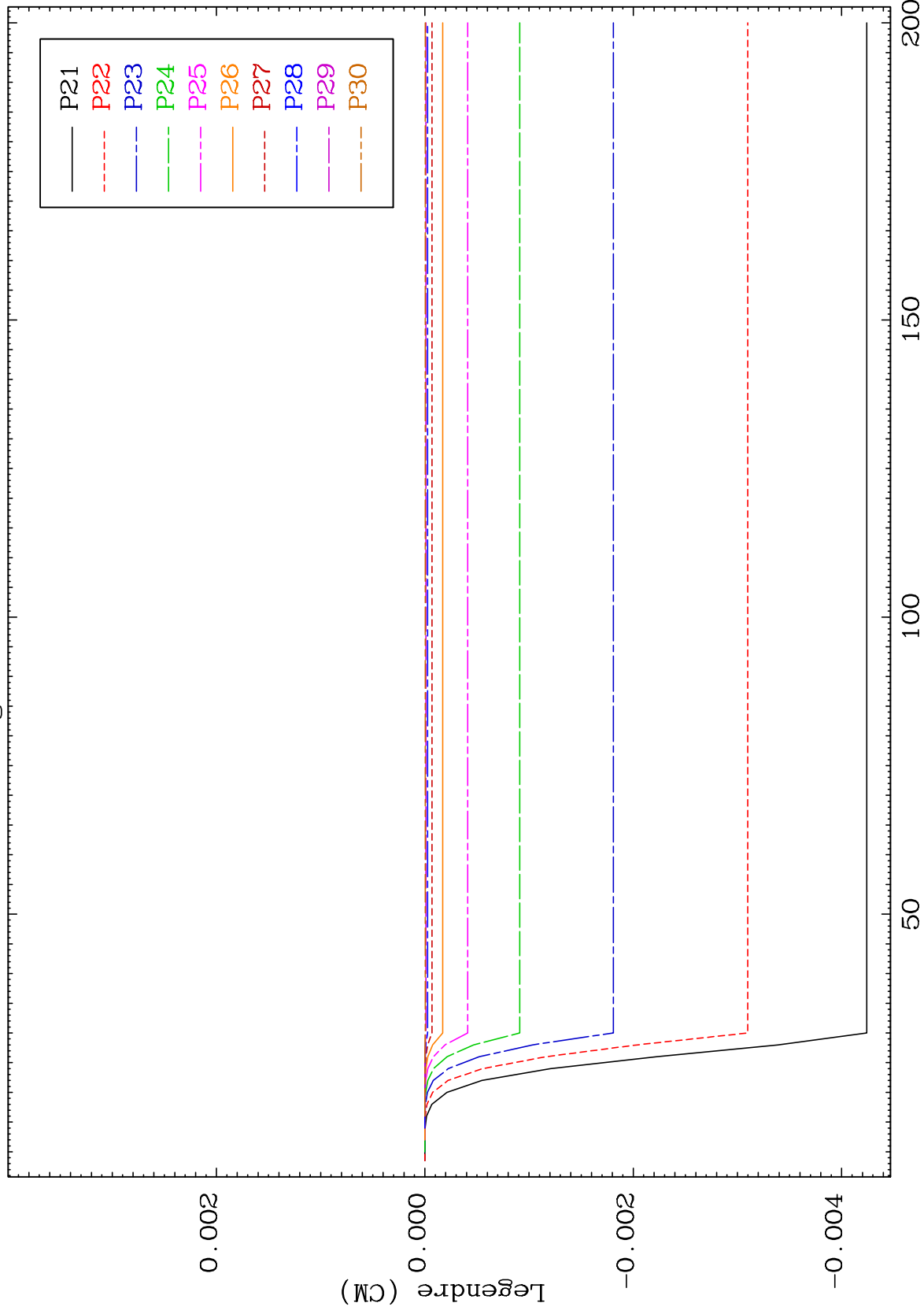
Incident Energy (MeV)

82-Pb-198

MAT 8207

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

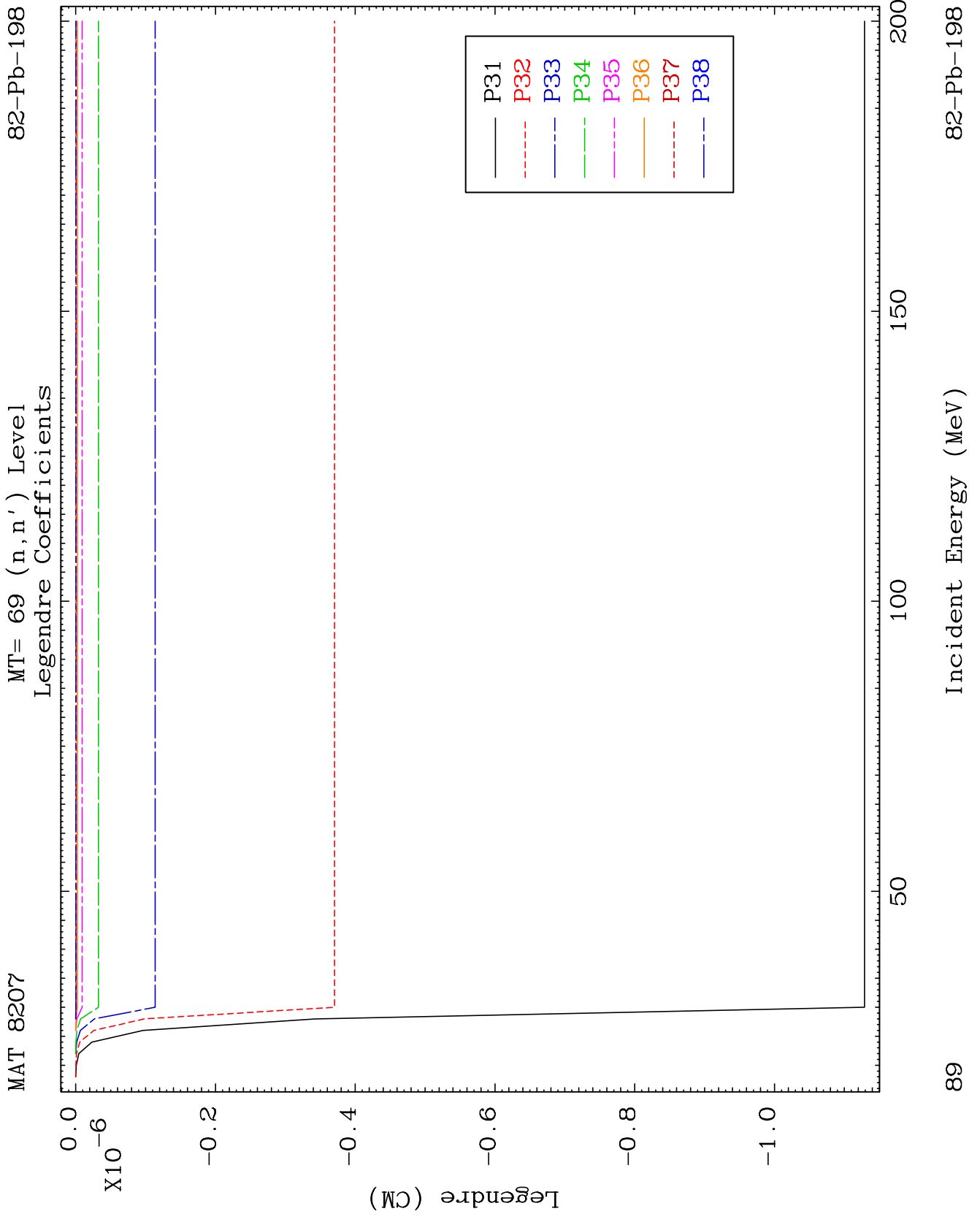
82-Pb-198



88

Incident Energy (MeV)

82-Pb-198

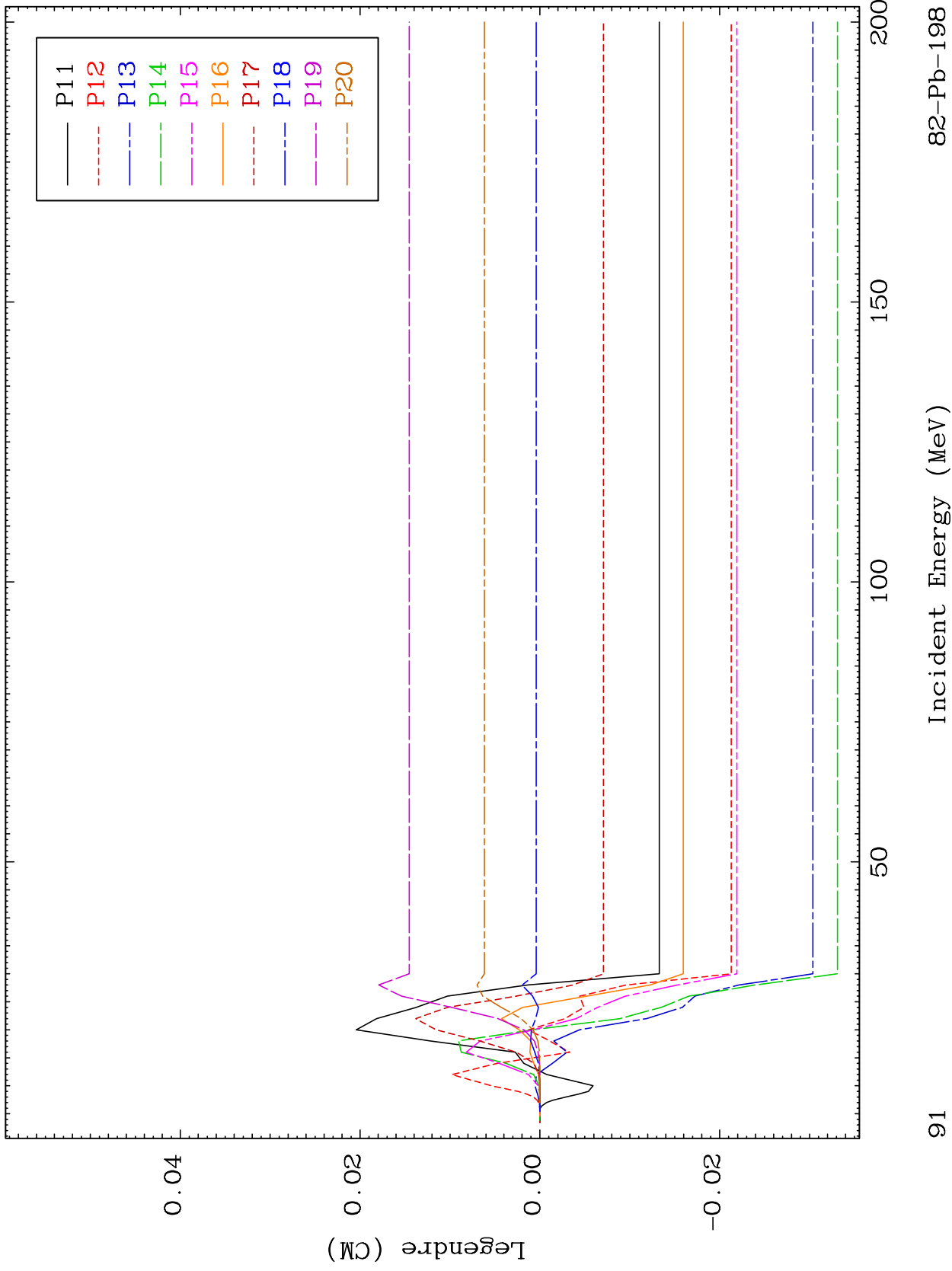




MAT 8207

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

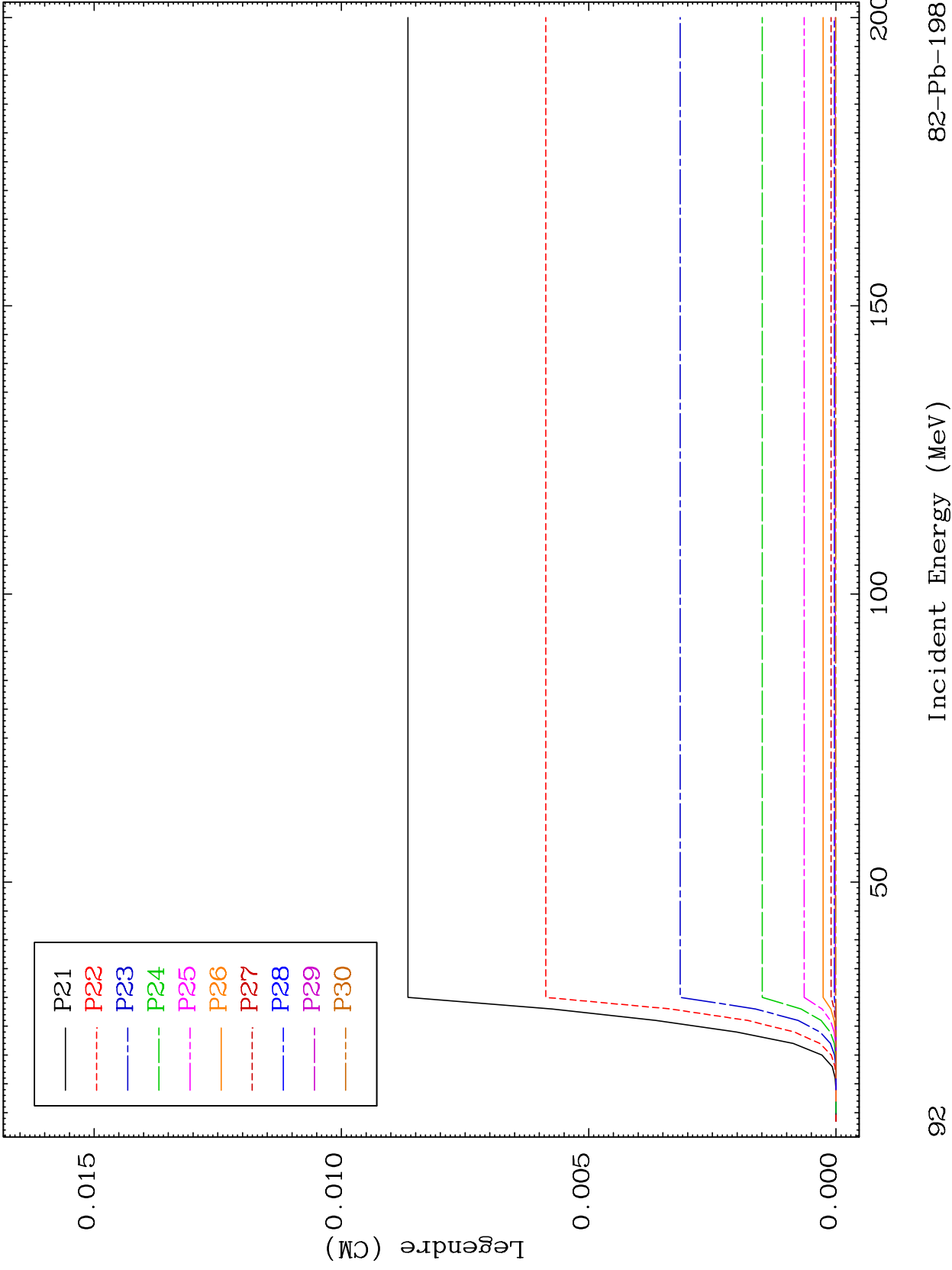
82-Pb-198



MAT 8207

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

82-Pb-198



92

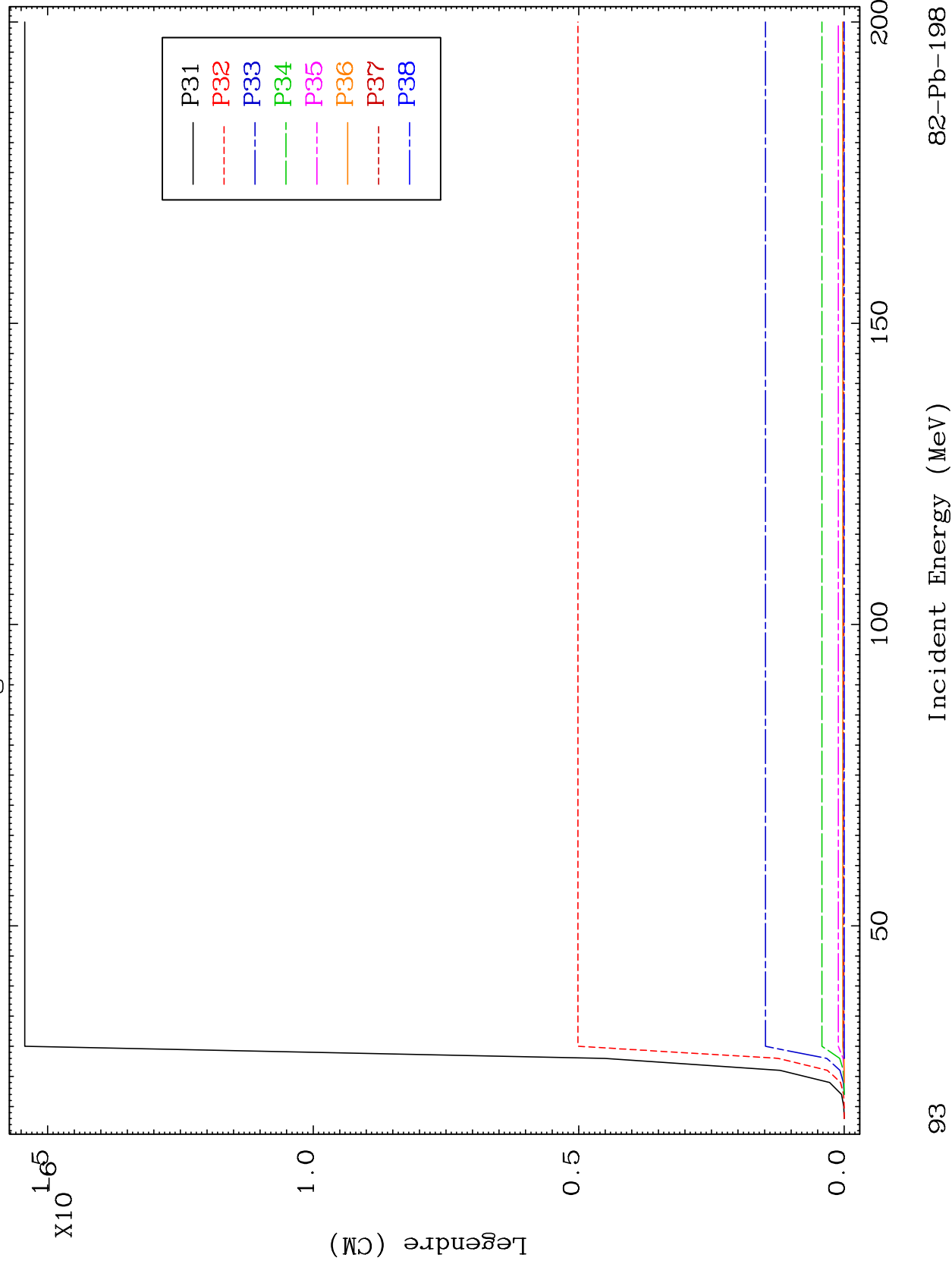
Incident Energy (MeV)

82-Pb-198

MAT 8207

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

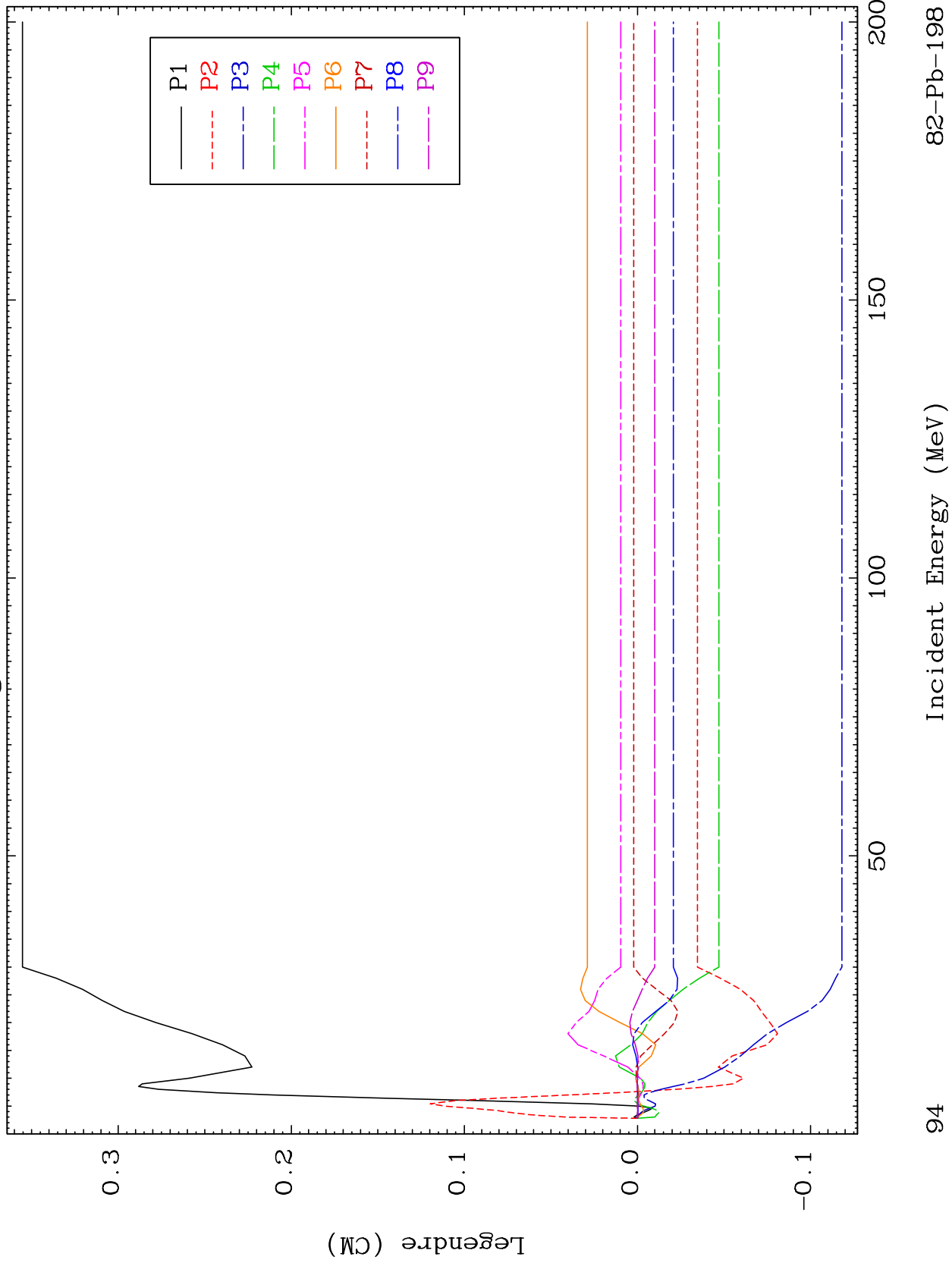
82-Pb-198



MAT 8207

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

82-Pb-198



94

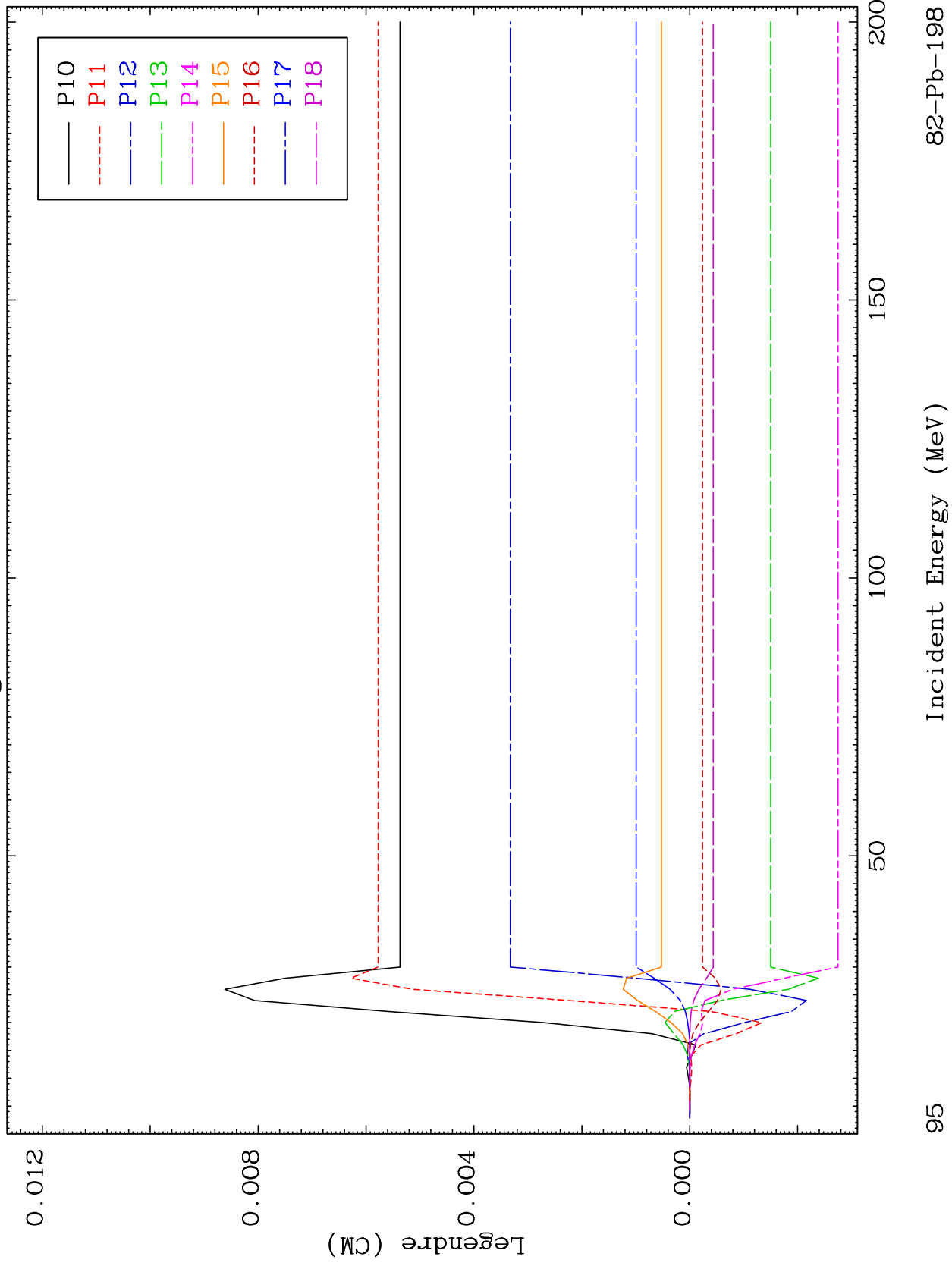
Incident Energy (MeV)

82-Pb-198

MAT 8207

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

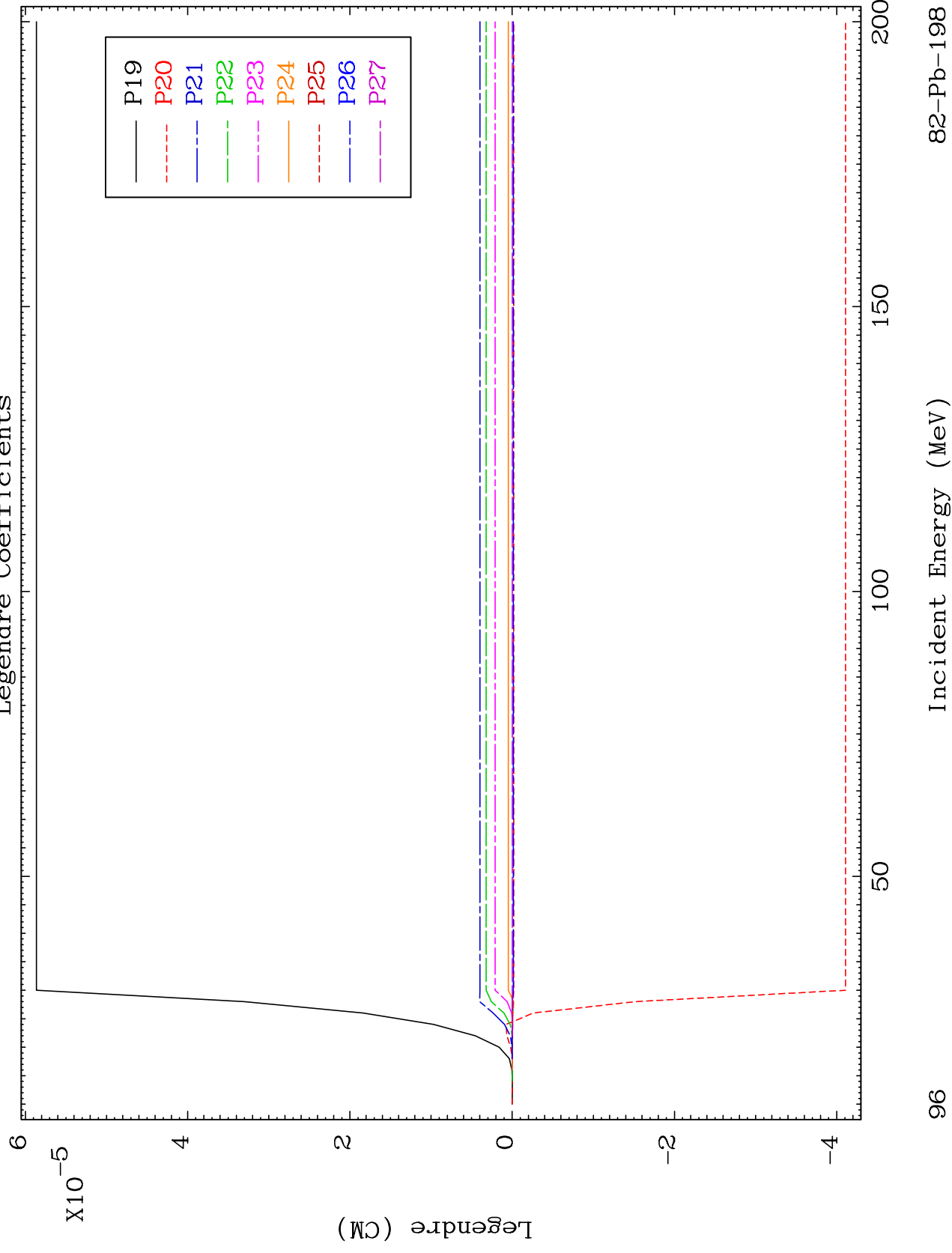
82-Pb-198



MAT 8207

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

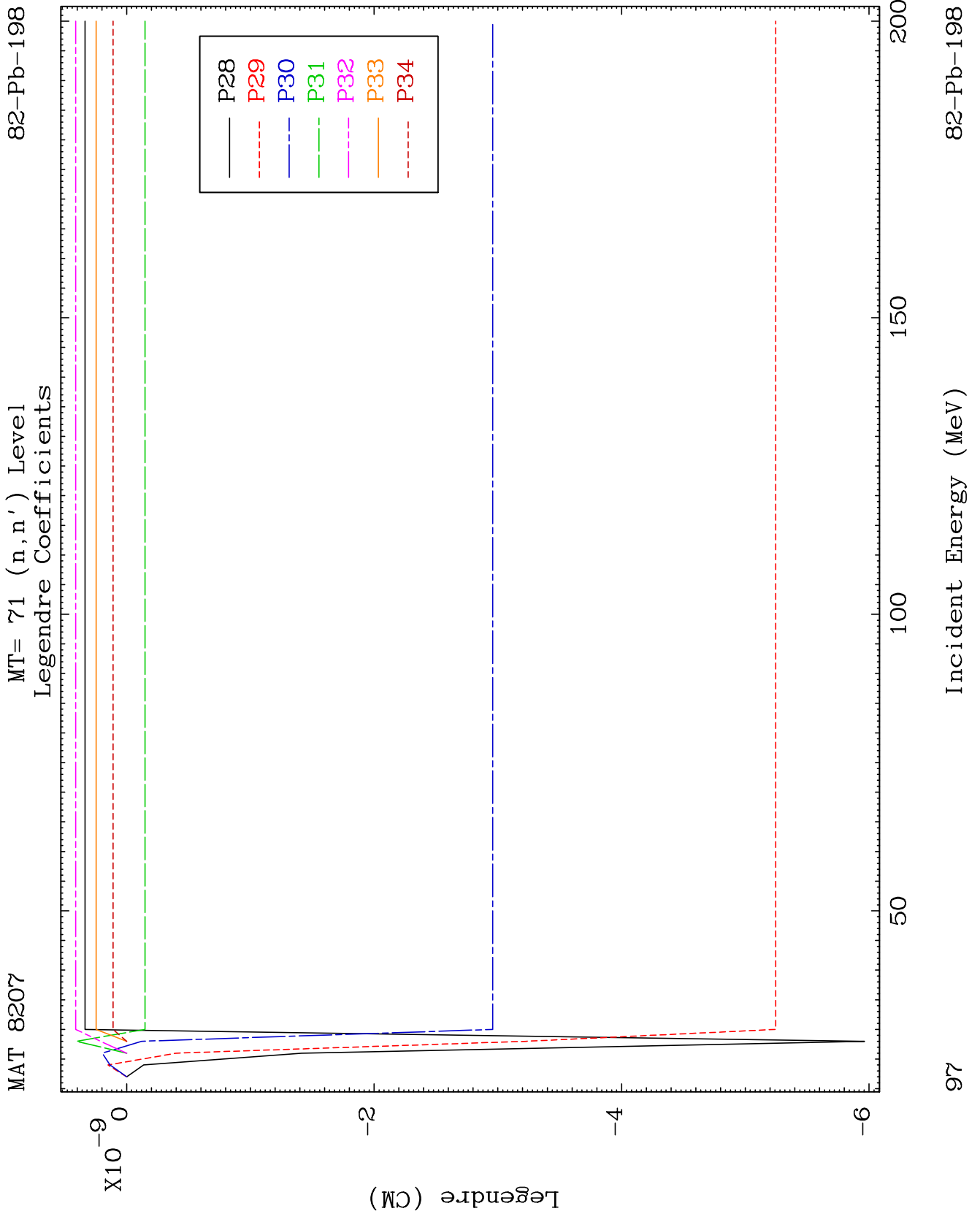
82-Pb-198



96

Incident Energy (MeV)

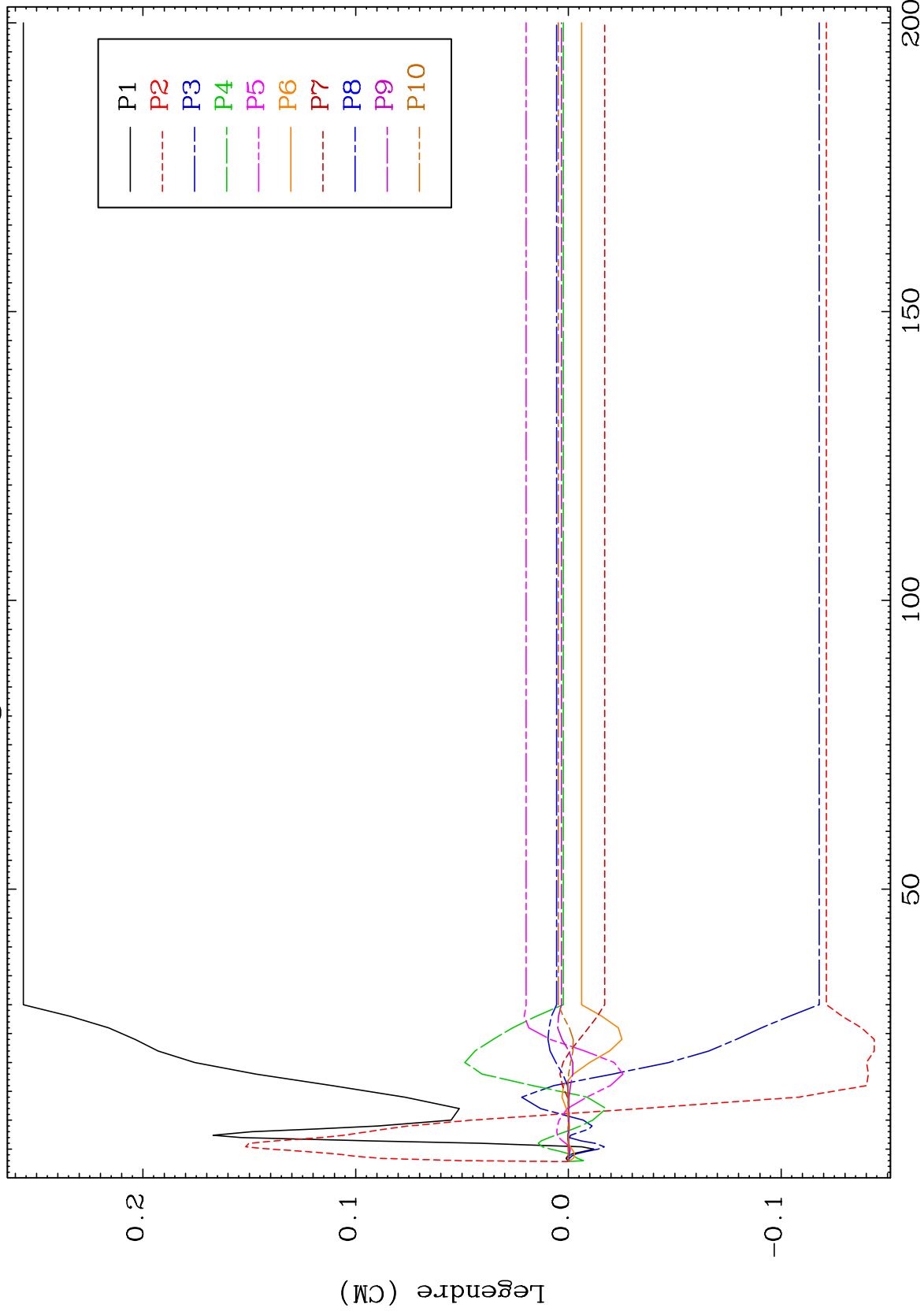
82-Pb-198



MAT 8207

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

82-Pb-198



98

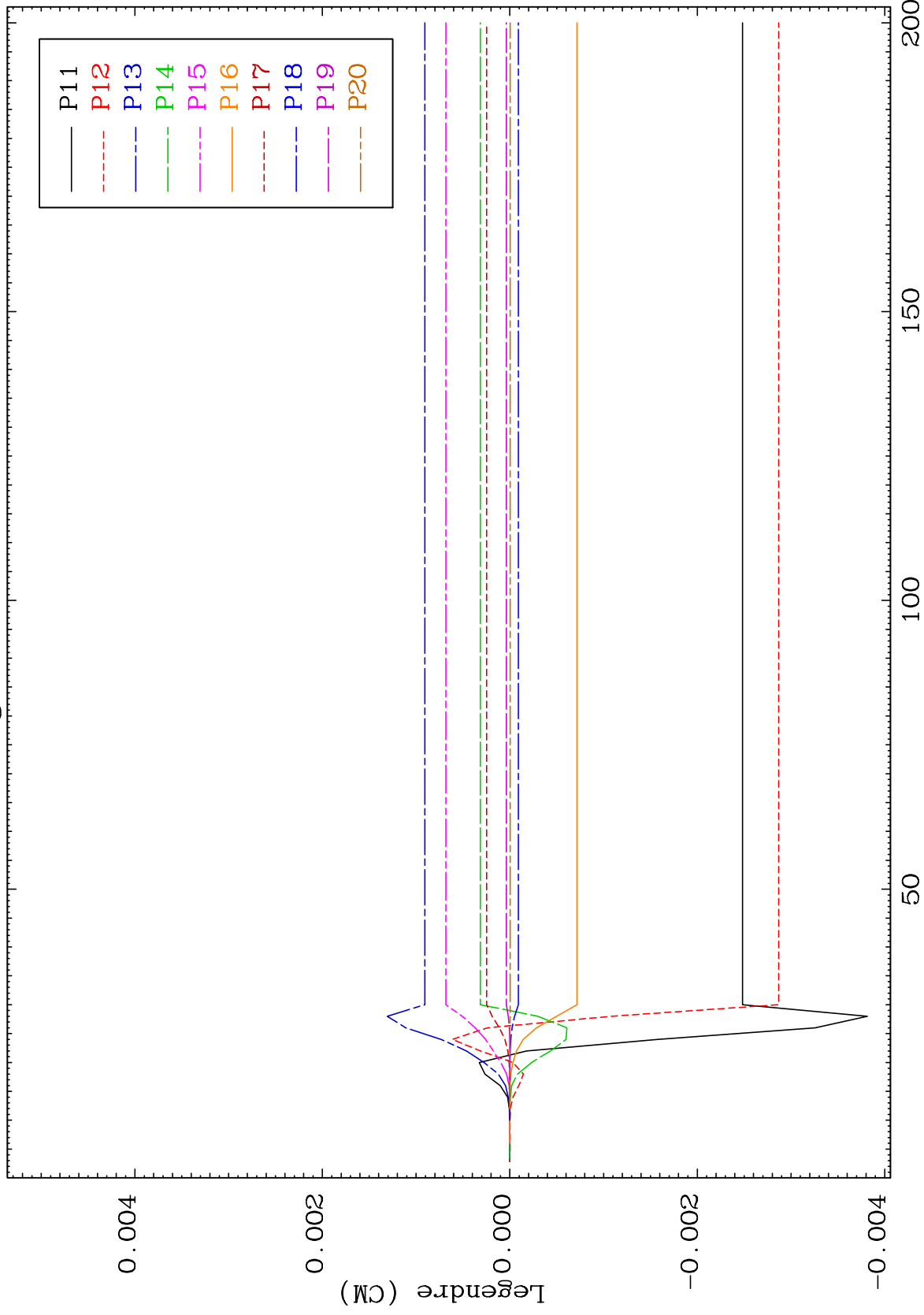
Incident Energy (MeV)

82-Pb-198

MAT 8207

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

82-Pb-198



99

Incident Energy (MeV)

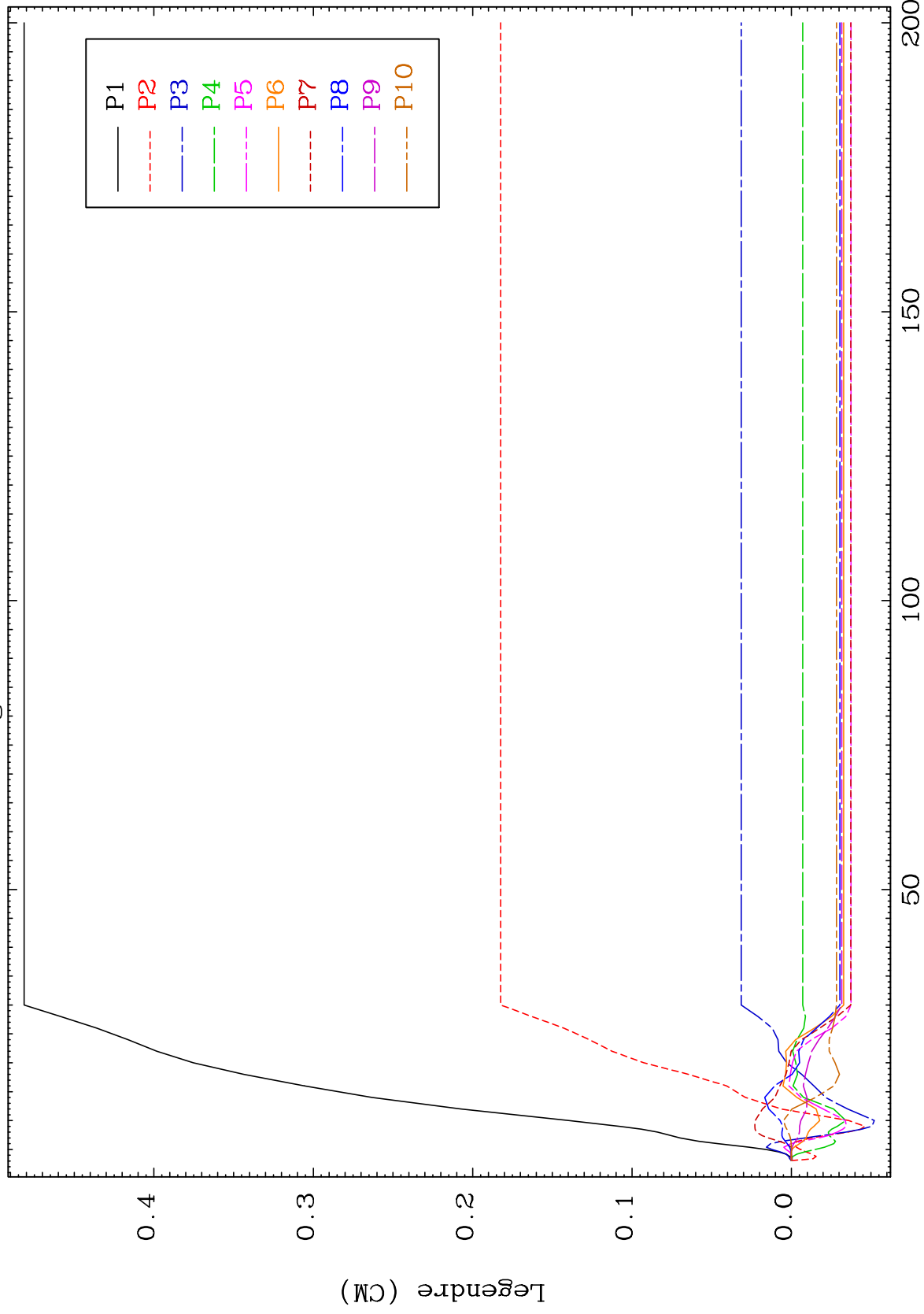
82-Pb-198



MAT 8207

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

82-Pb-198



101

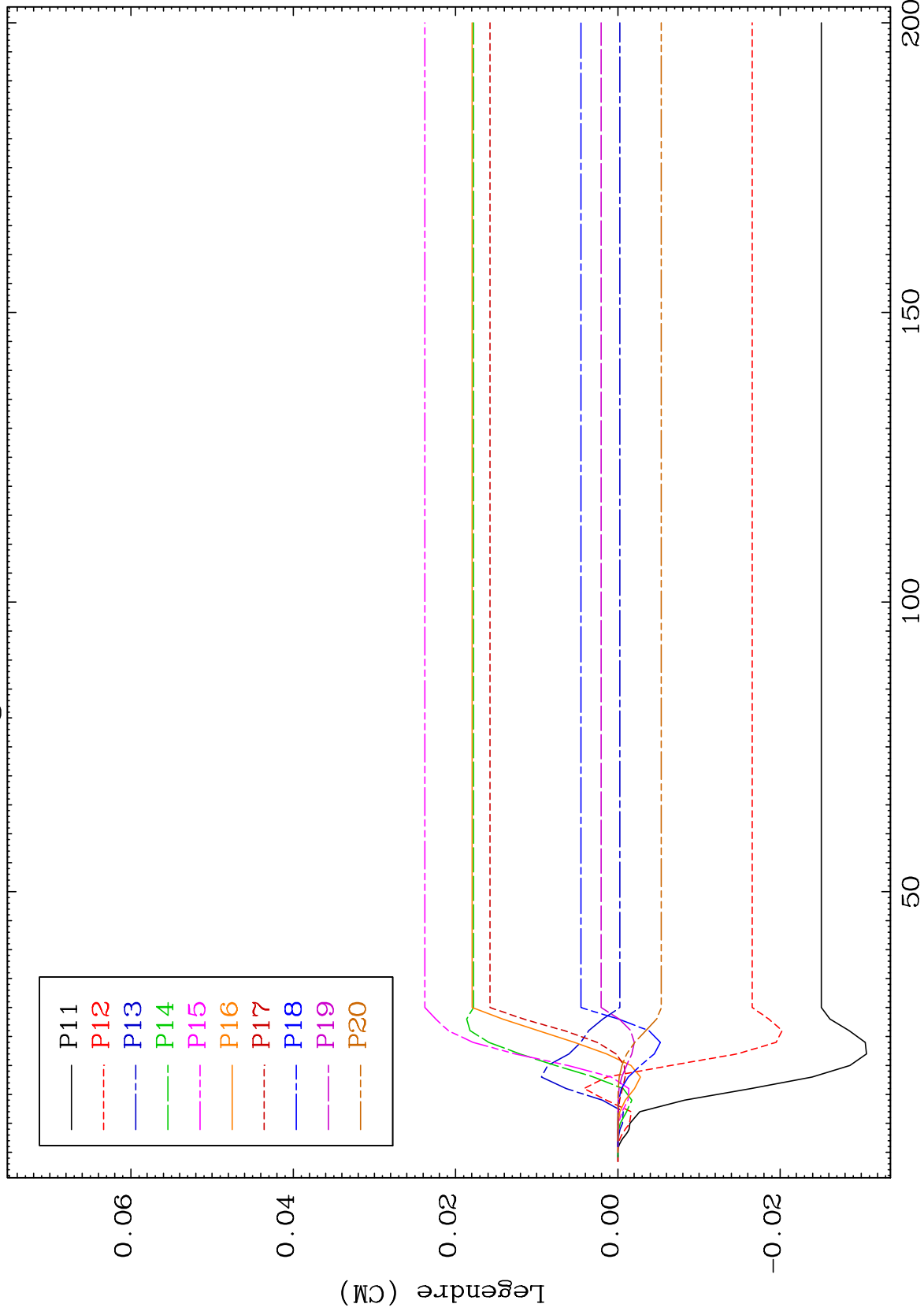
Incident Energy (MeV)

82-Pb-198

MAT 8207

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

82-Pb-198



102

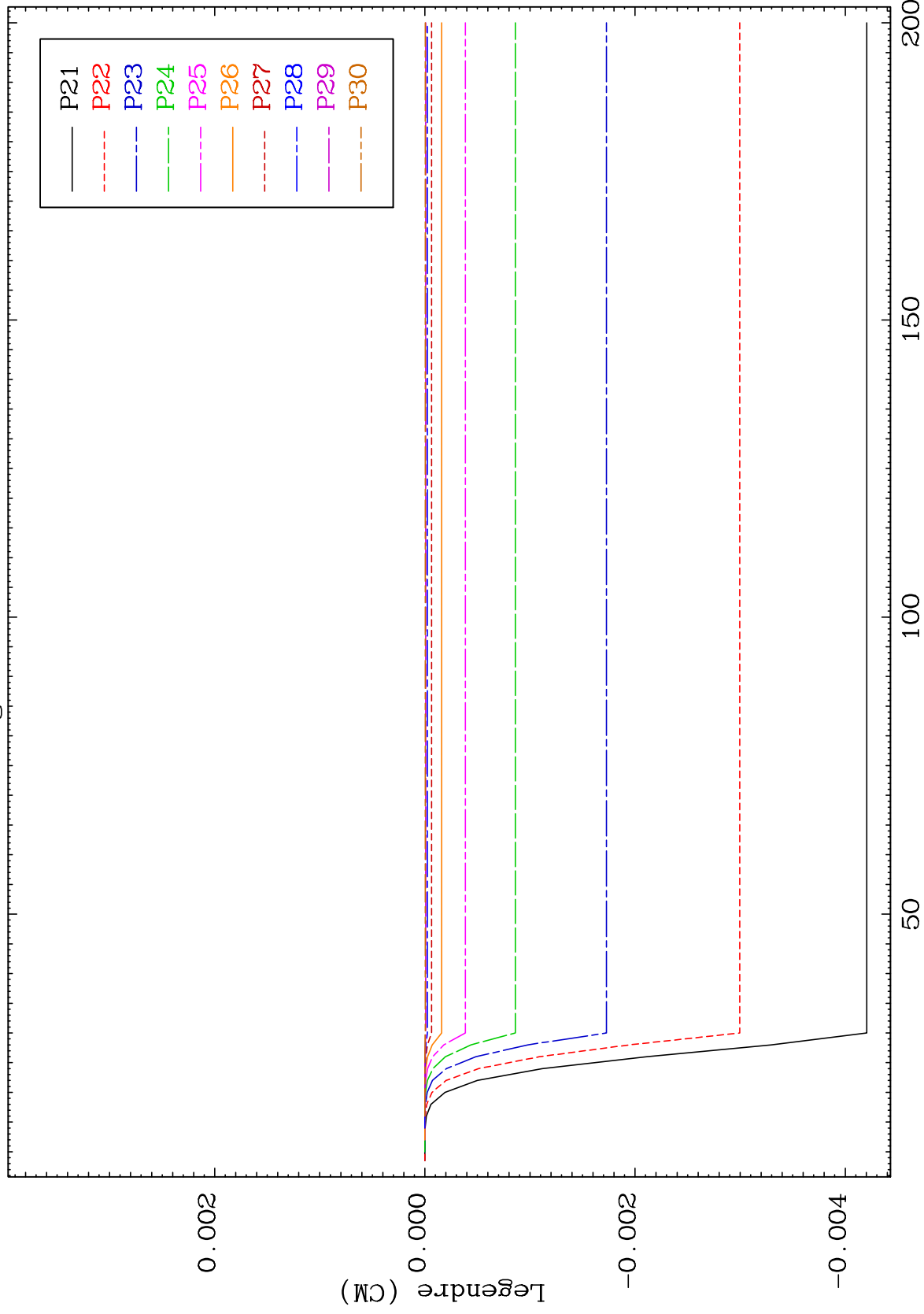
Incident Energy (MeV)

82-Pb-198

MAT 8207

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

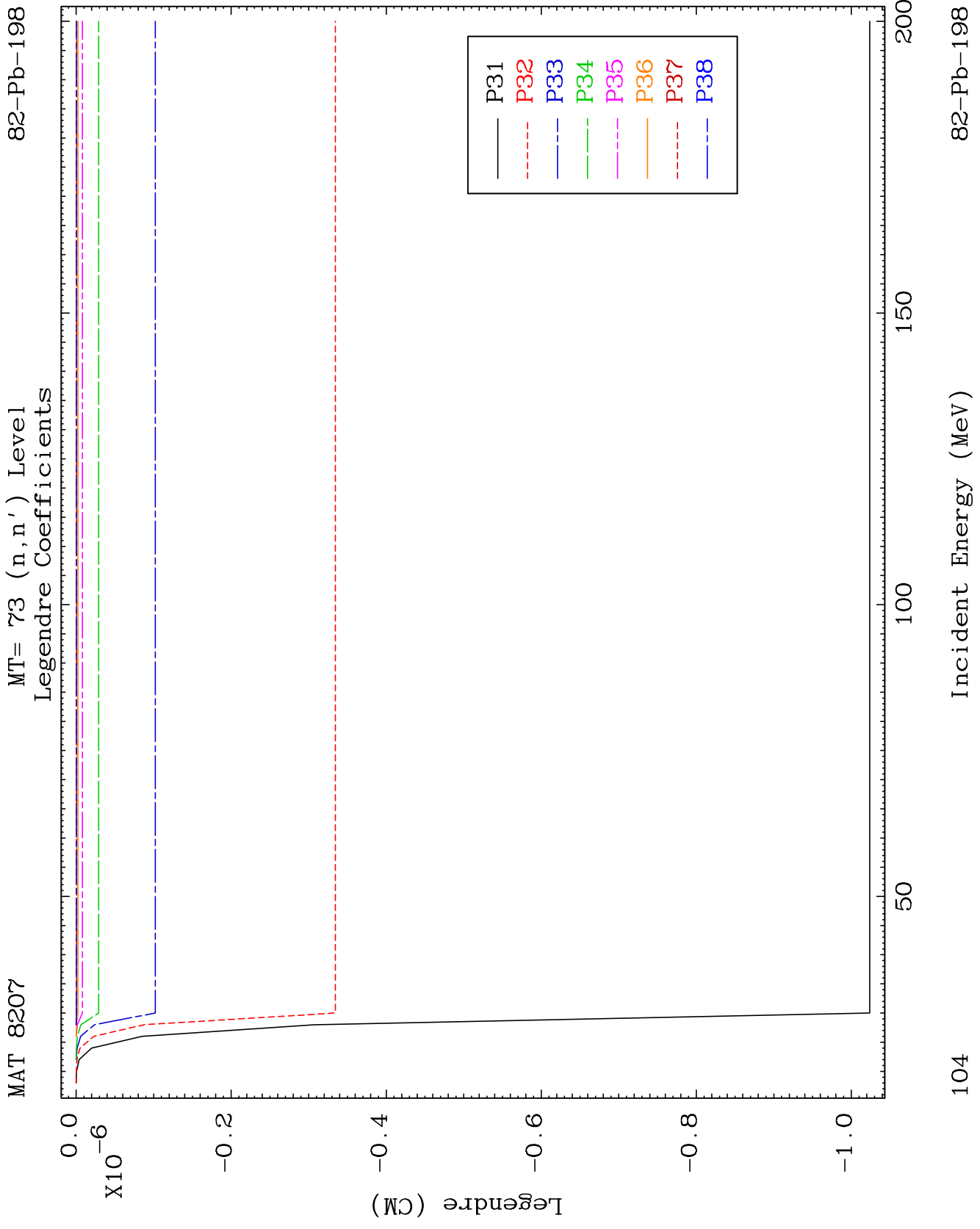
82-Pb-198

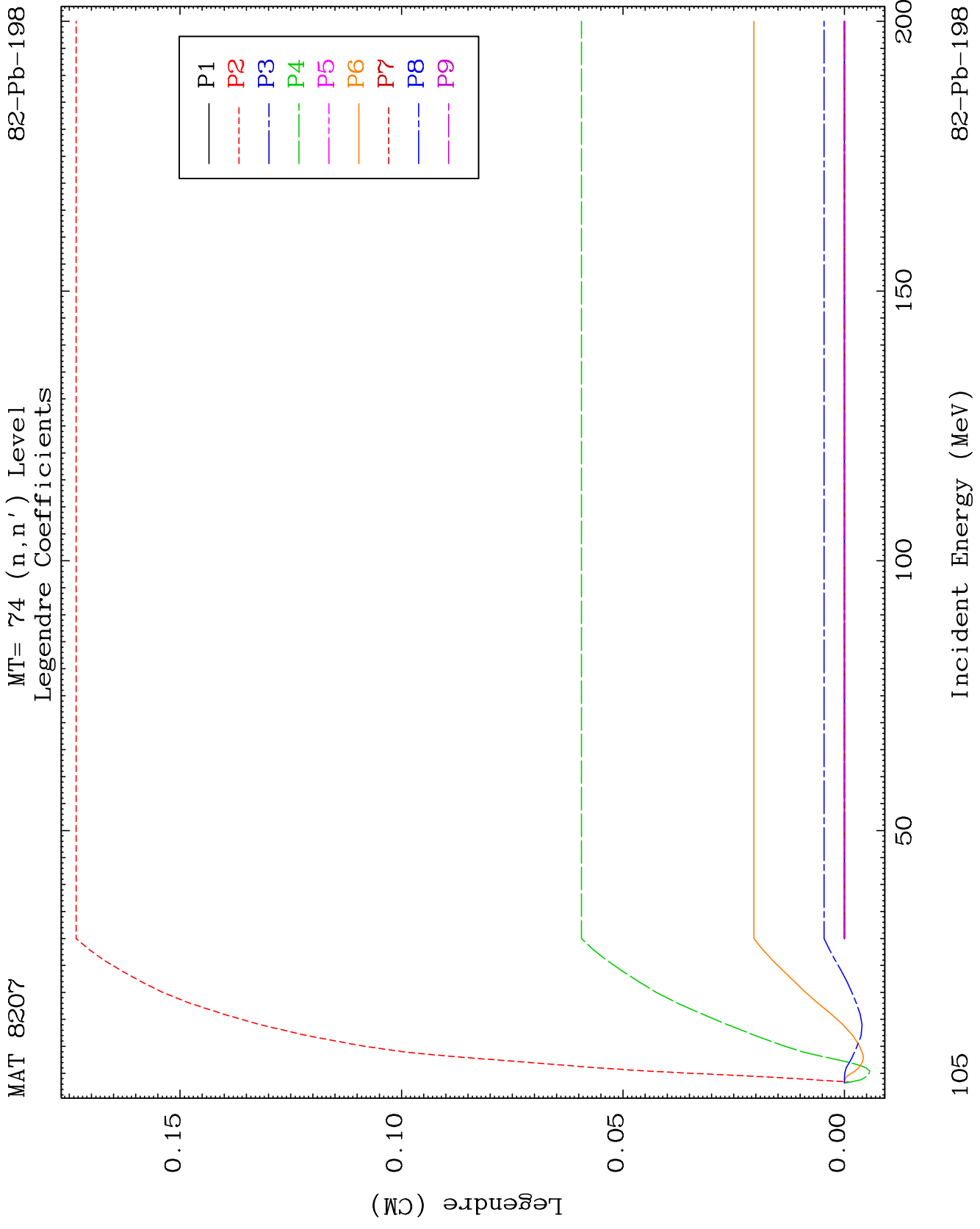


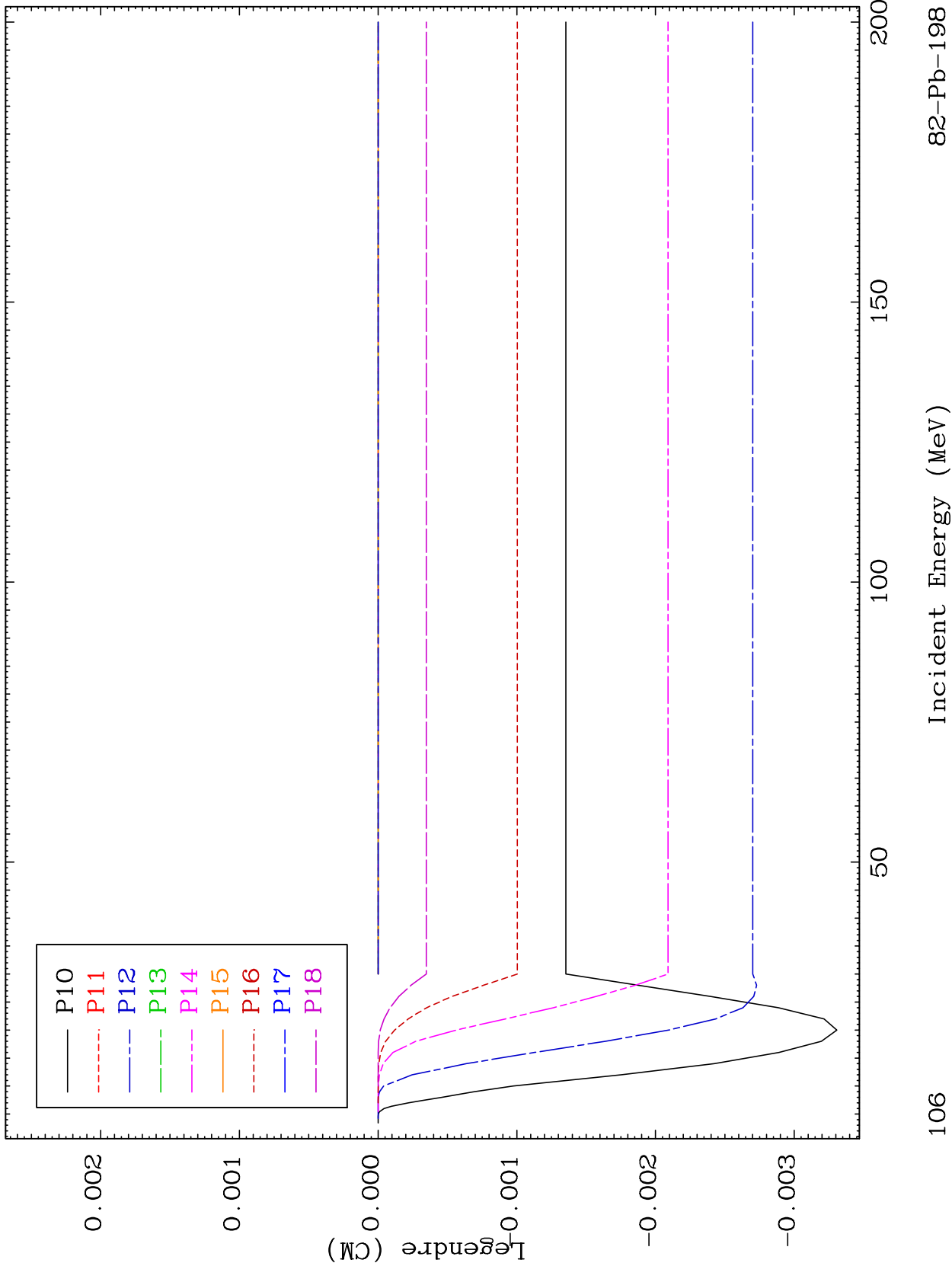
103

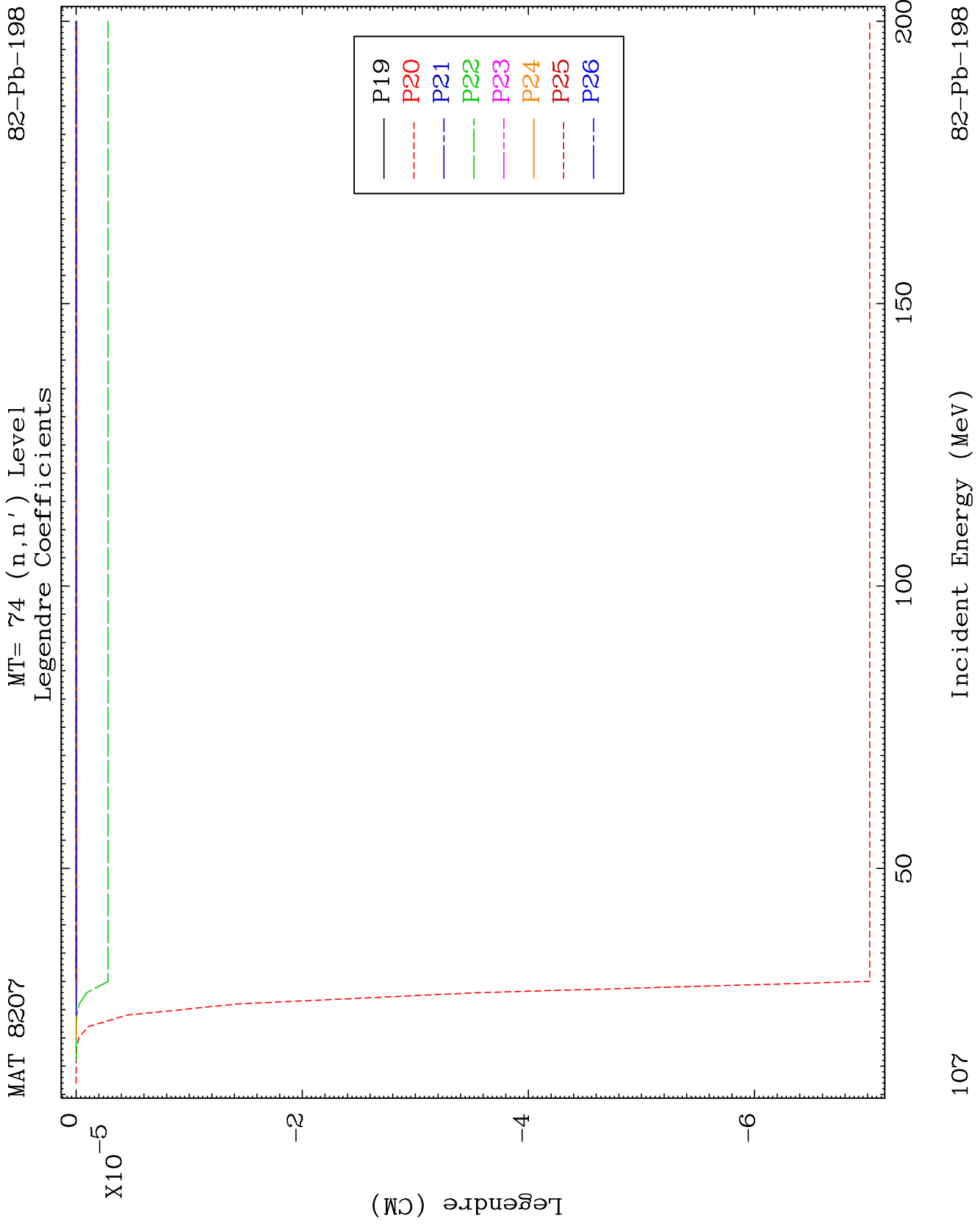
Incident Energy (MeV)

82-Pb-198





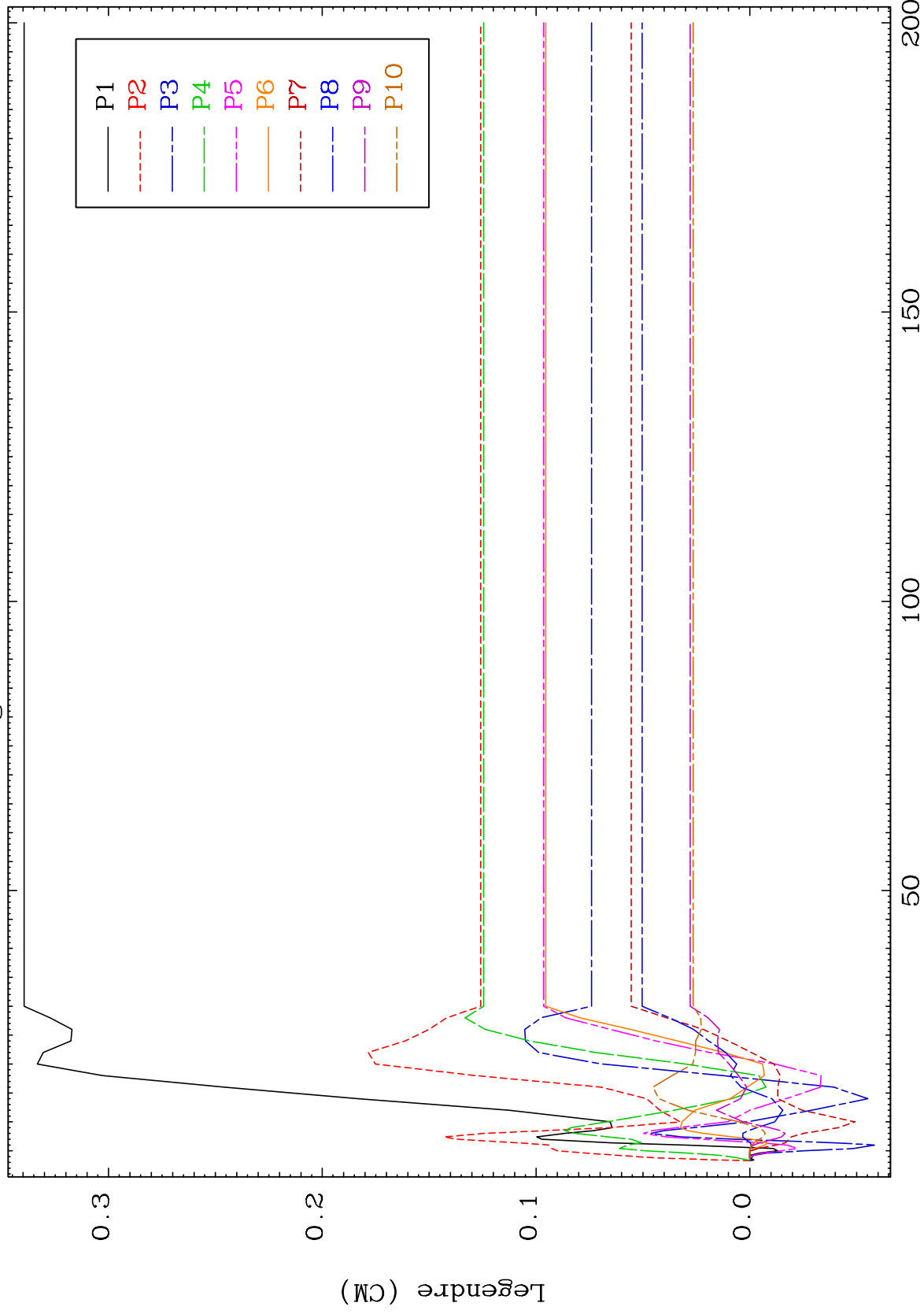




MAT 8207

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

82-Pb-198



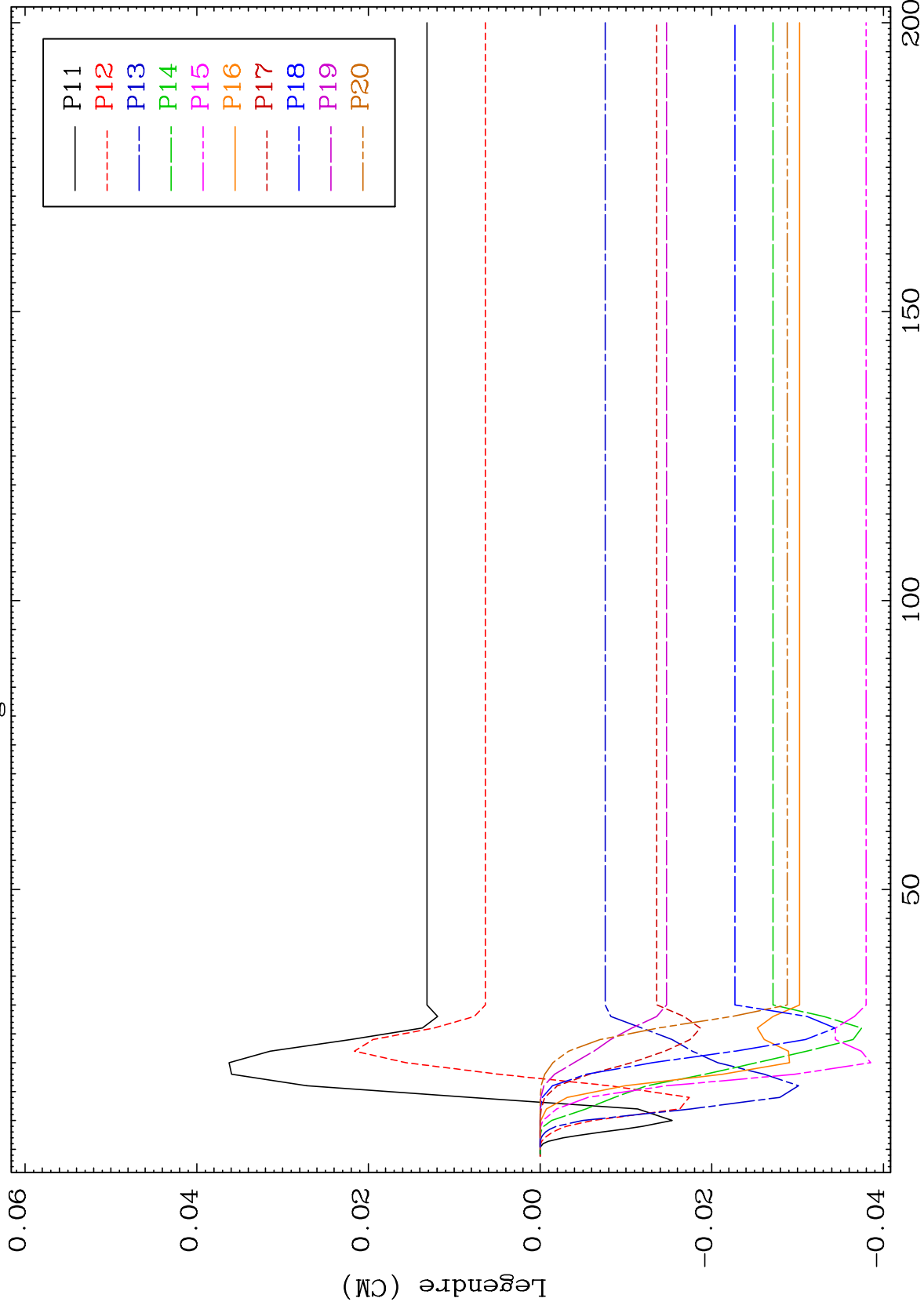
108

82-Pb-198

MAT 8207

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

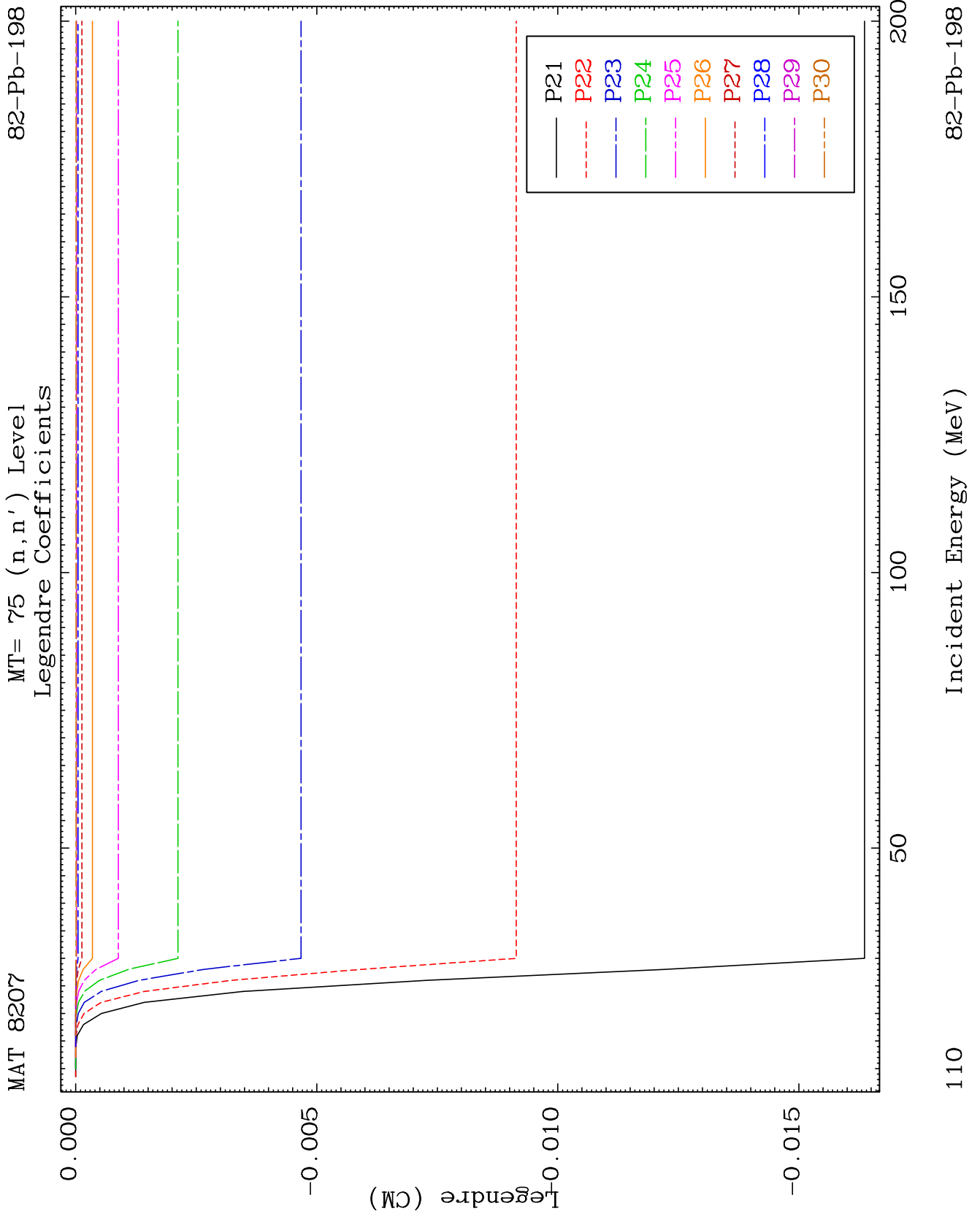
82-Pb-198

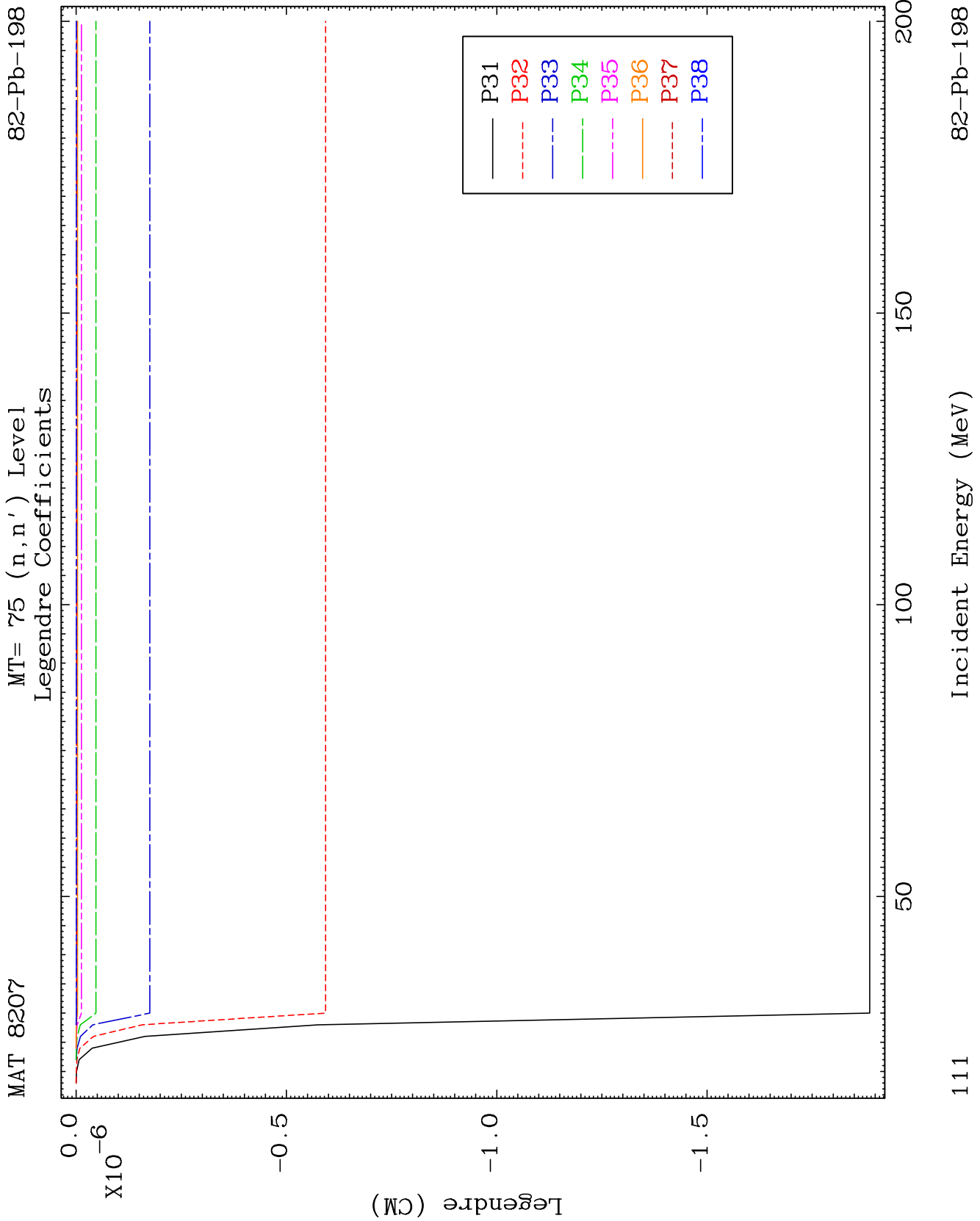


109

Incident Energy (MeV)

82-Pb-198



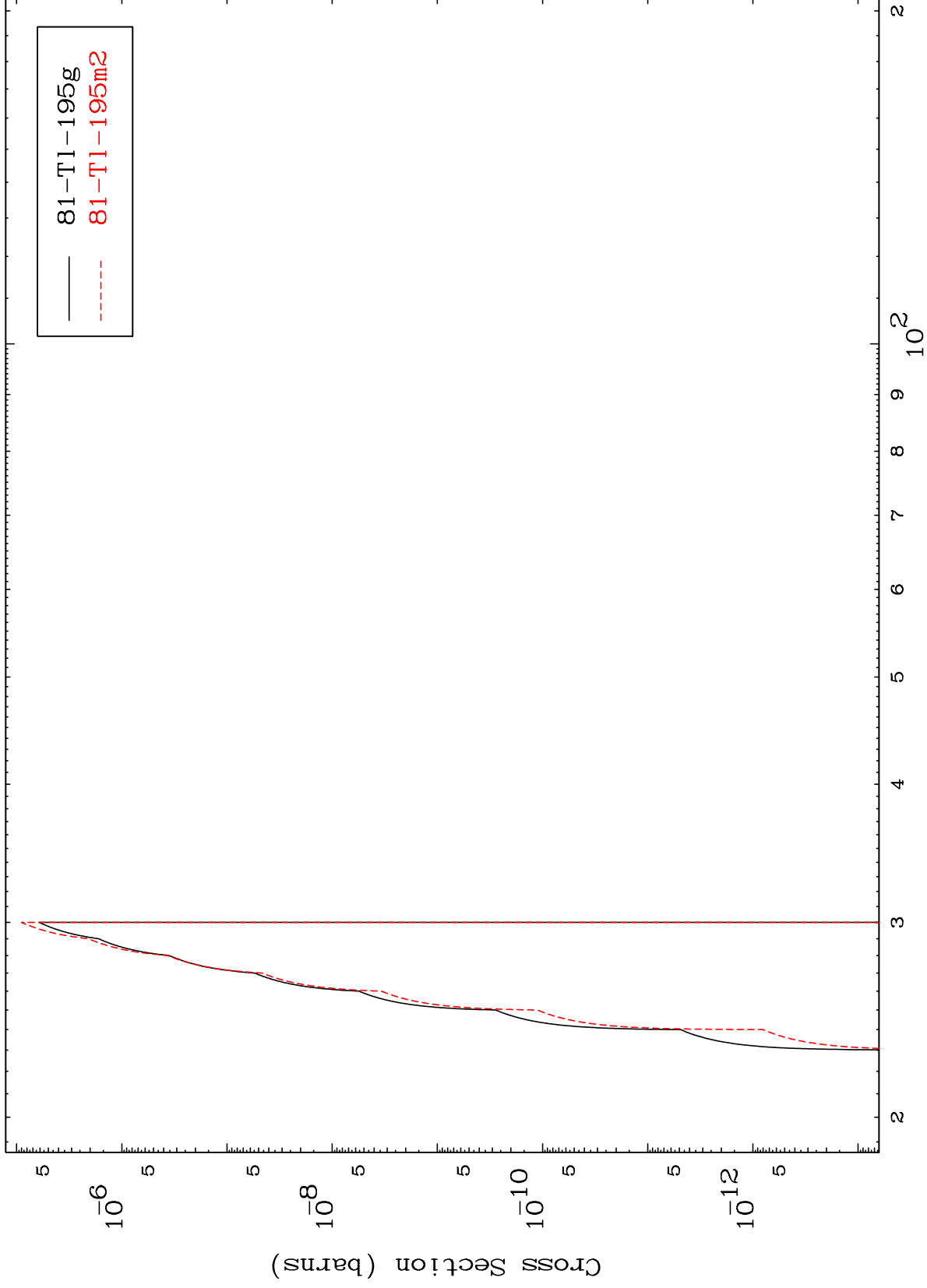


MAT 8207

(n,2n) d

82-Pb-198

Radionuclide Production Cross Section



112

Incident Energy (MeV)

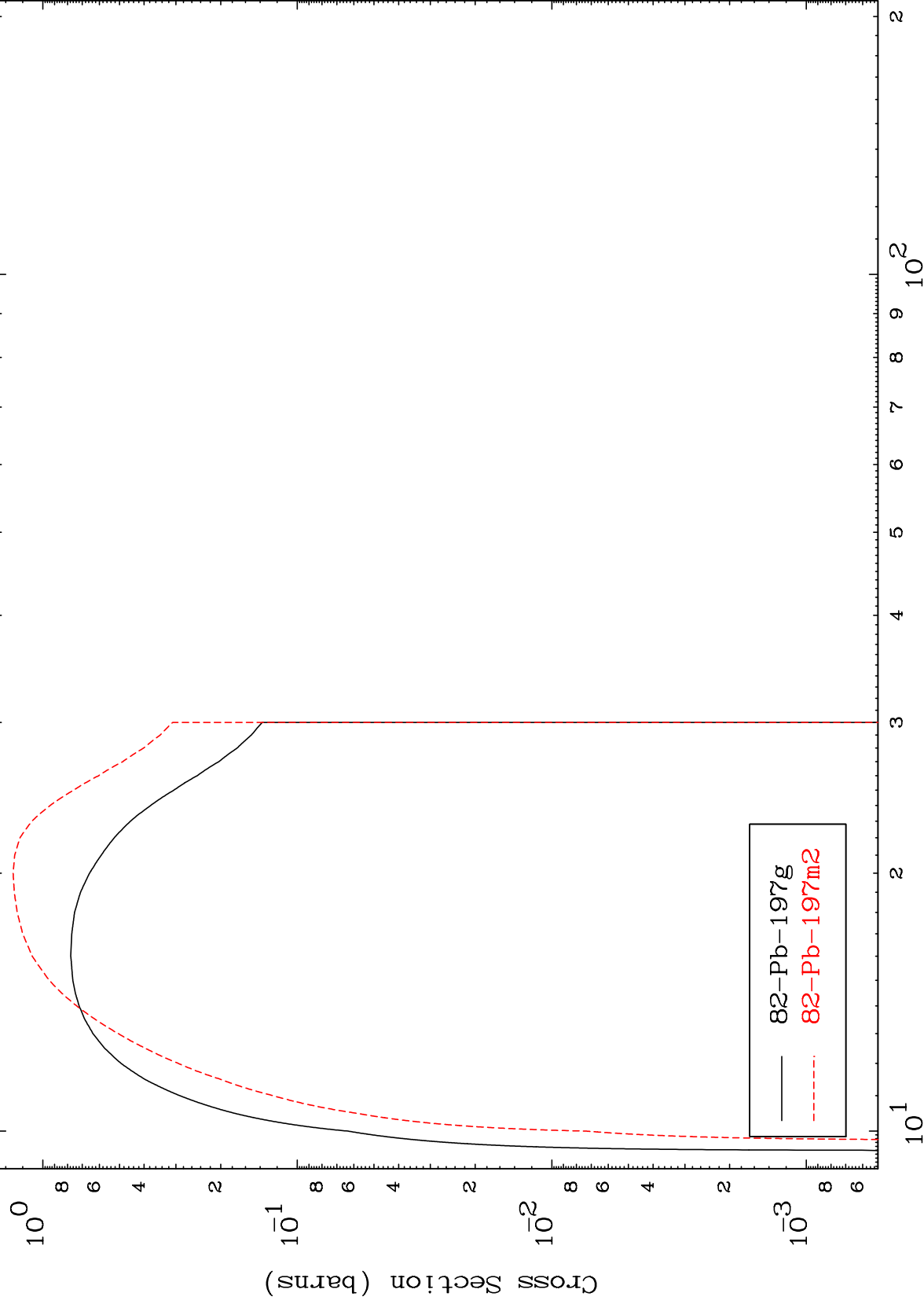
82-Pb-198

MAT 8207

(n,2n)

82-Pb-198

Radionuclide Production Cross Section



113

Incident Energy (MeV)

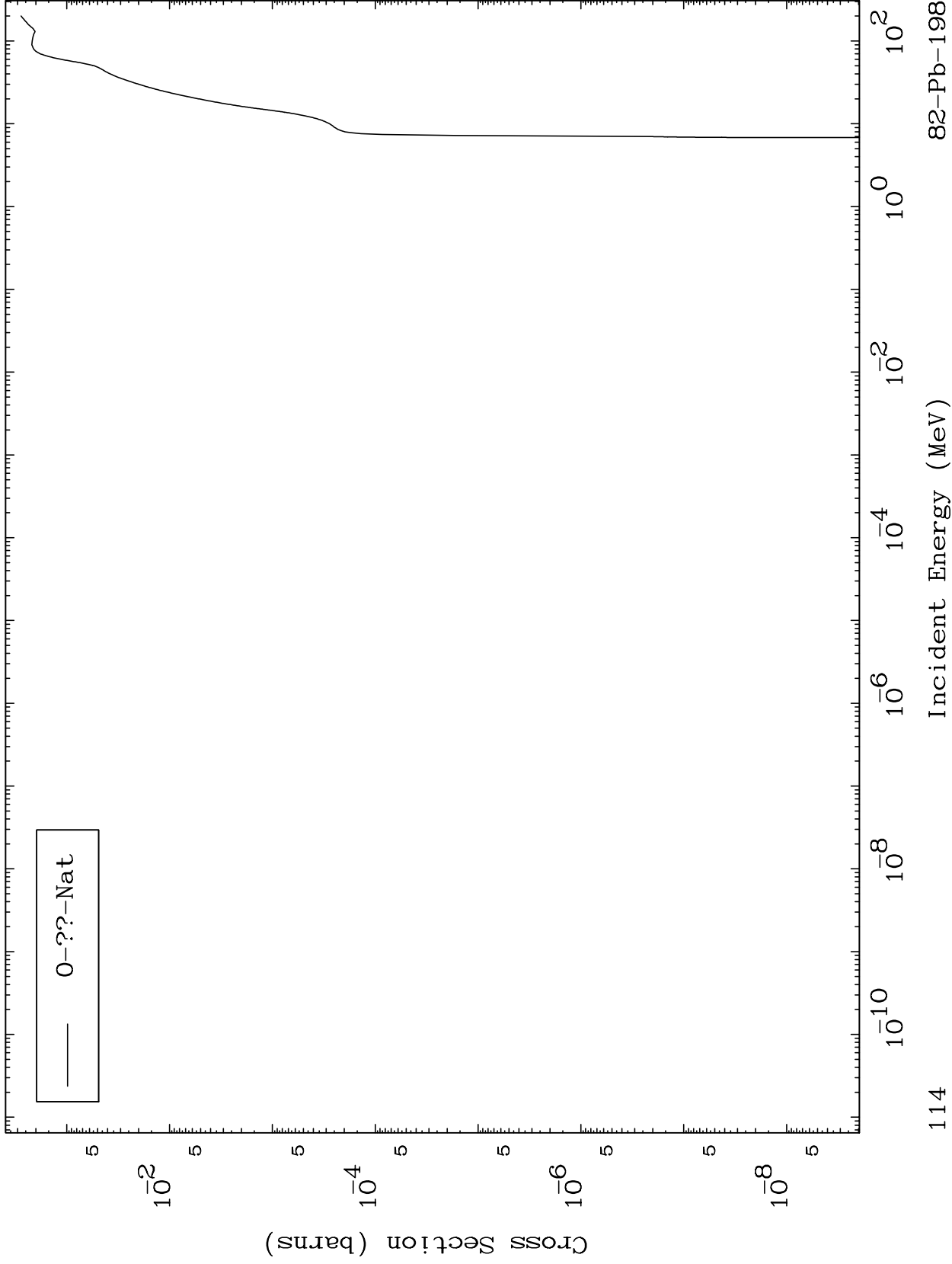
82-Pb-198

MAT 8207

Fission

82-Pb-198

Radionuclide Production Cross Section



114

Incident Energy (MeV)

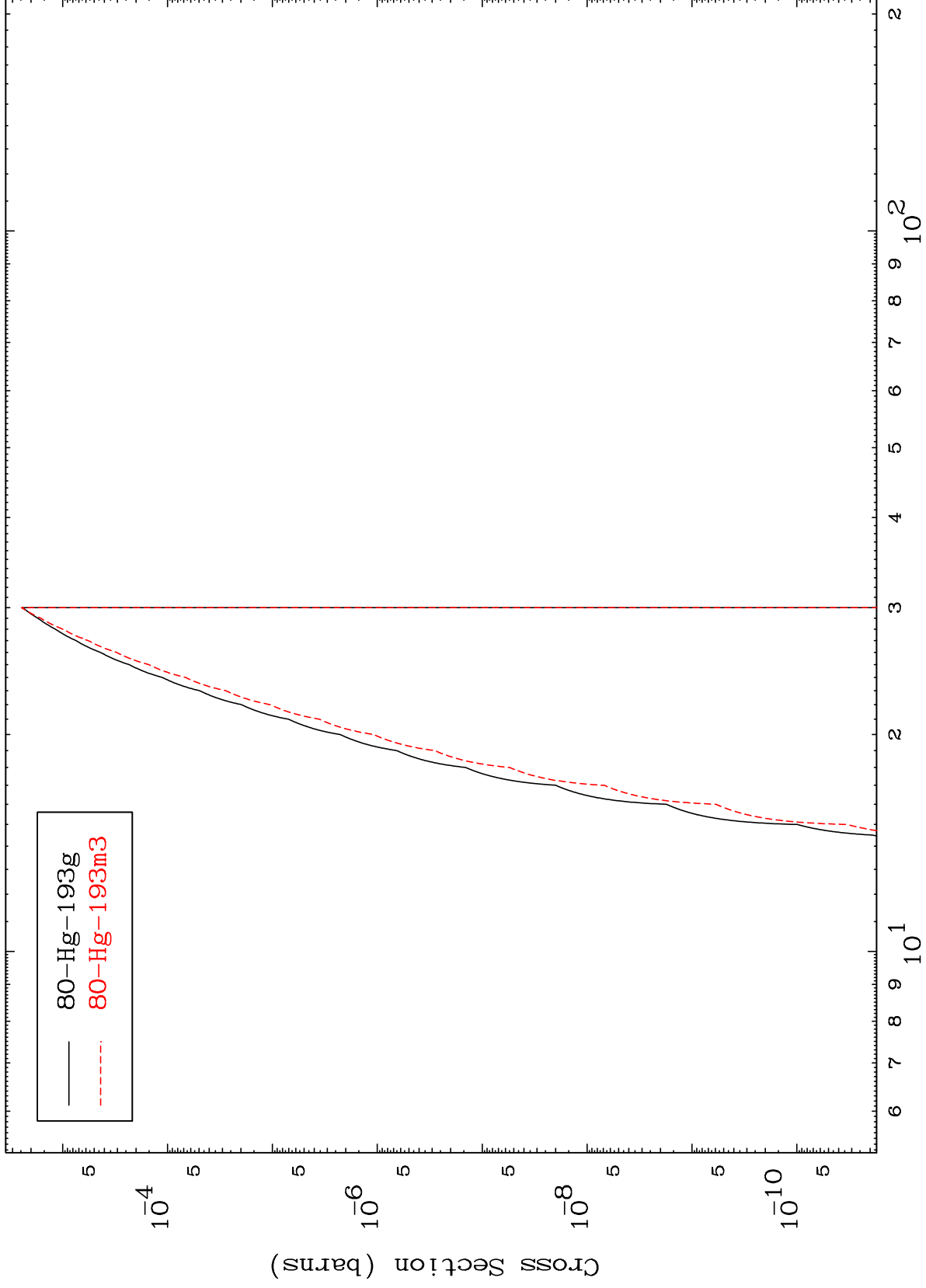
82-Pb-198

MAT 8207

(n,2n)  $\alpha$

82-Pb-198

Radionuclide Production Cross Section



115

Incident Energy (MeV)

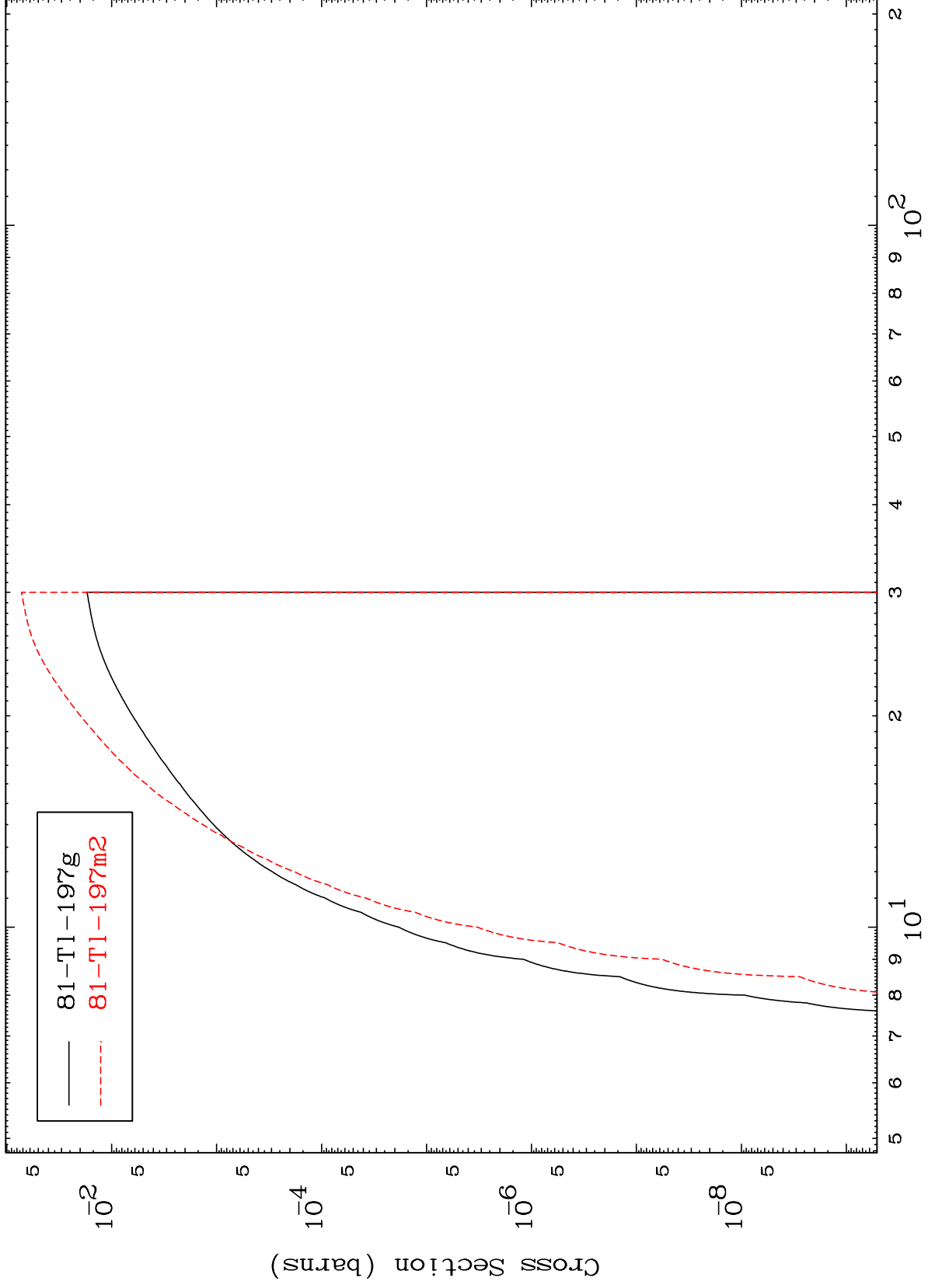
82-Pb-198

MAT 8207

(n,n') p

82-Pb-198

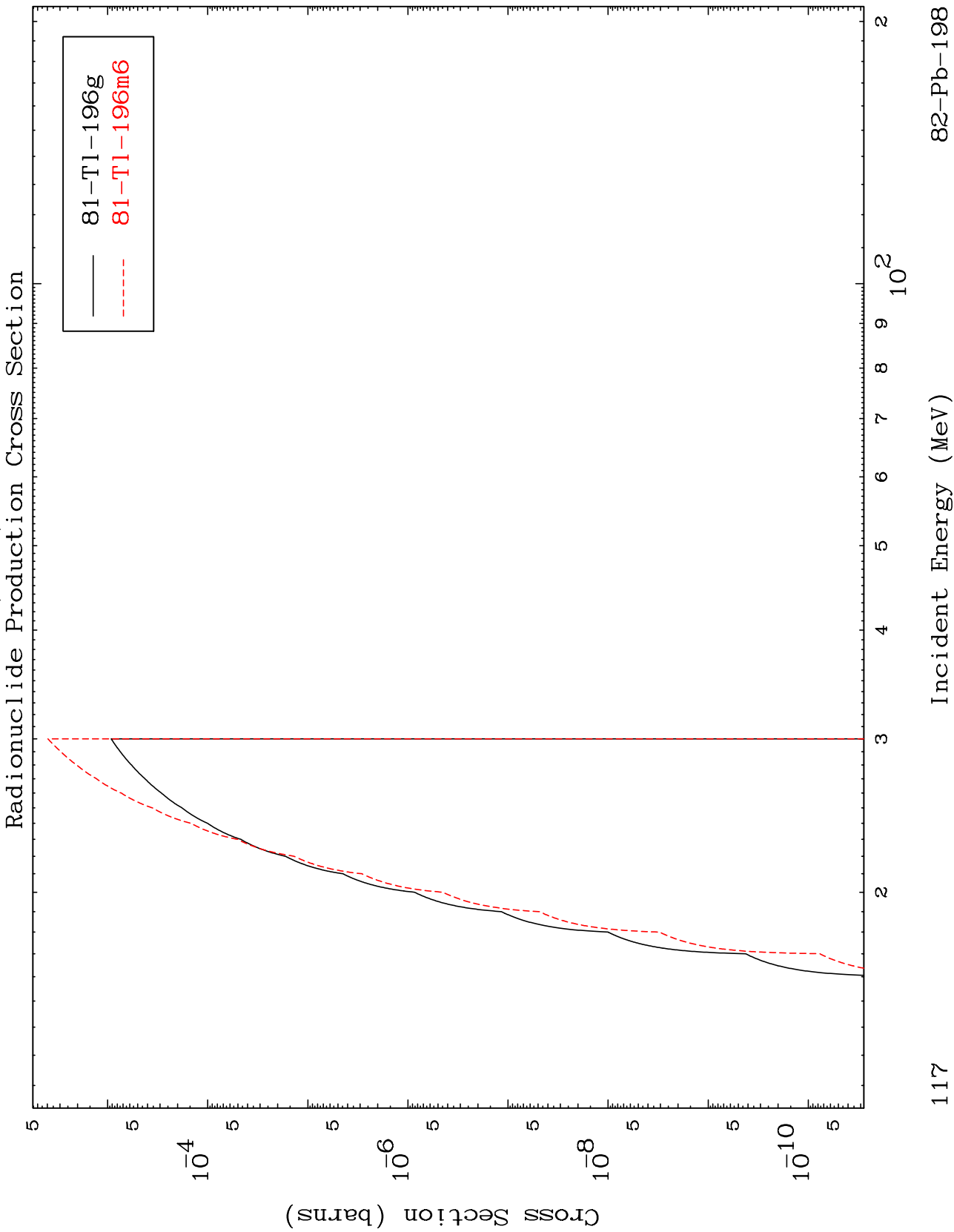
Radionuclide Production Cross Section



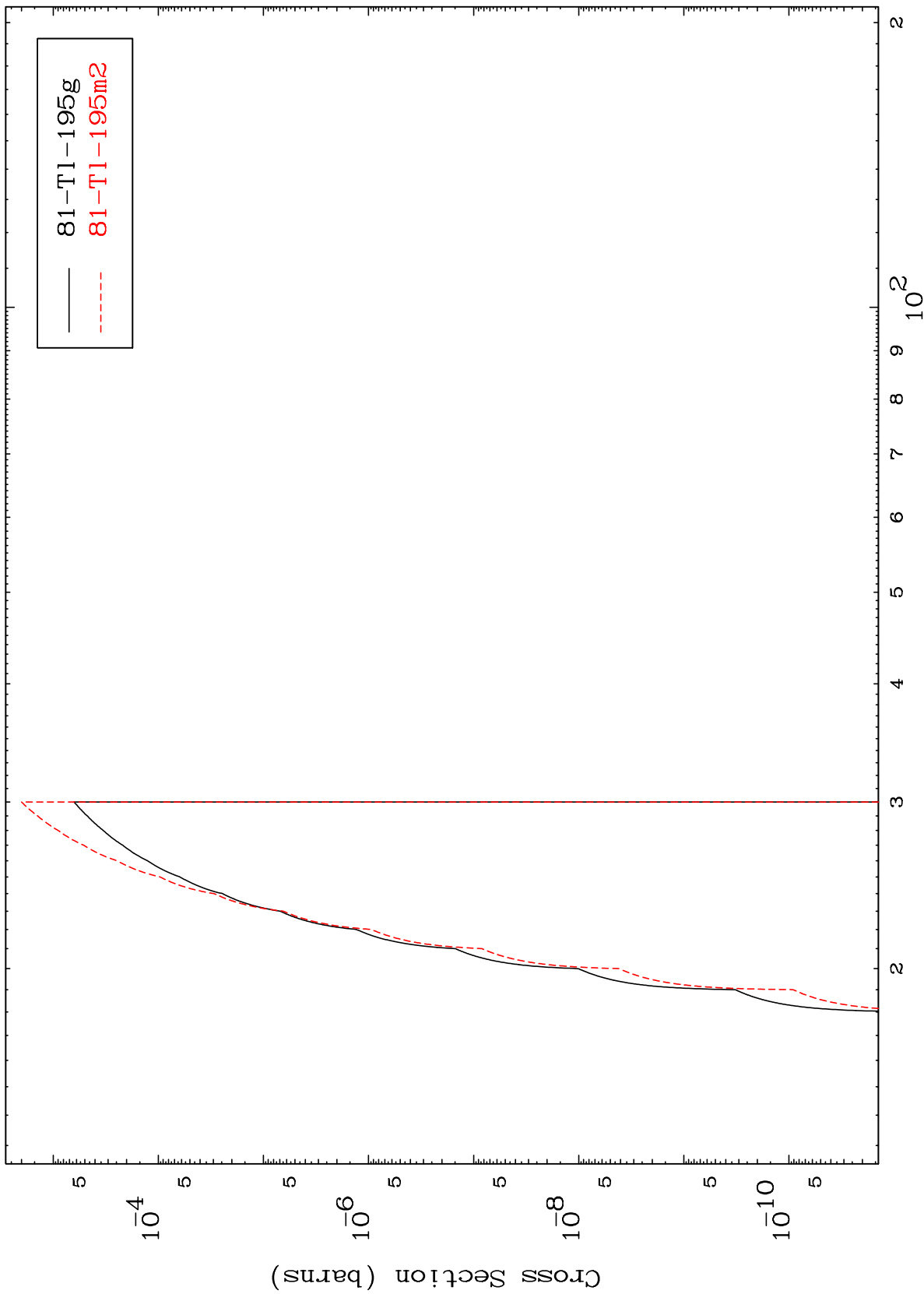
116

Incident Energy (MeV)

82-Pb-198



Radionuclide Production Cross Section

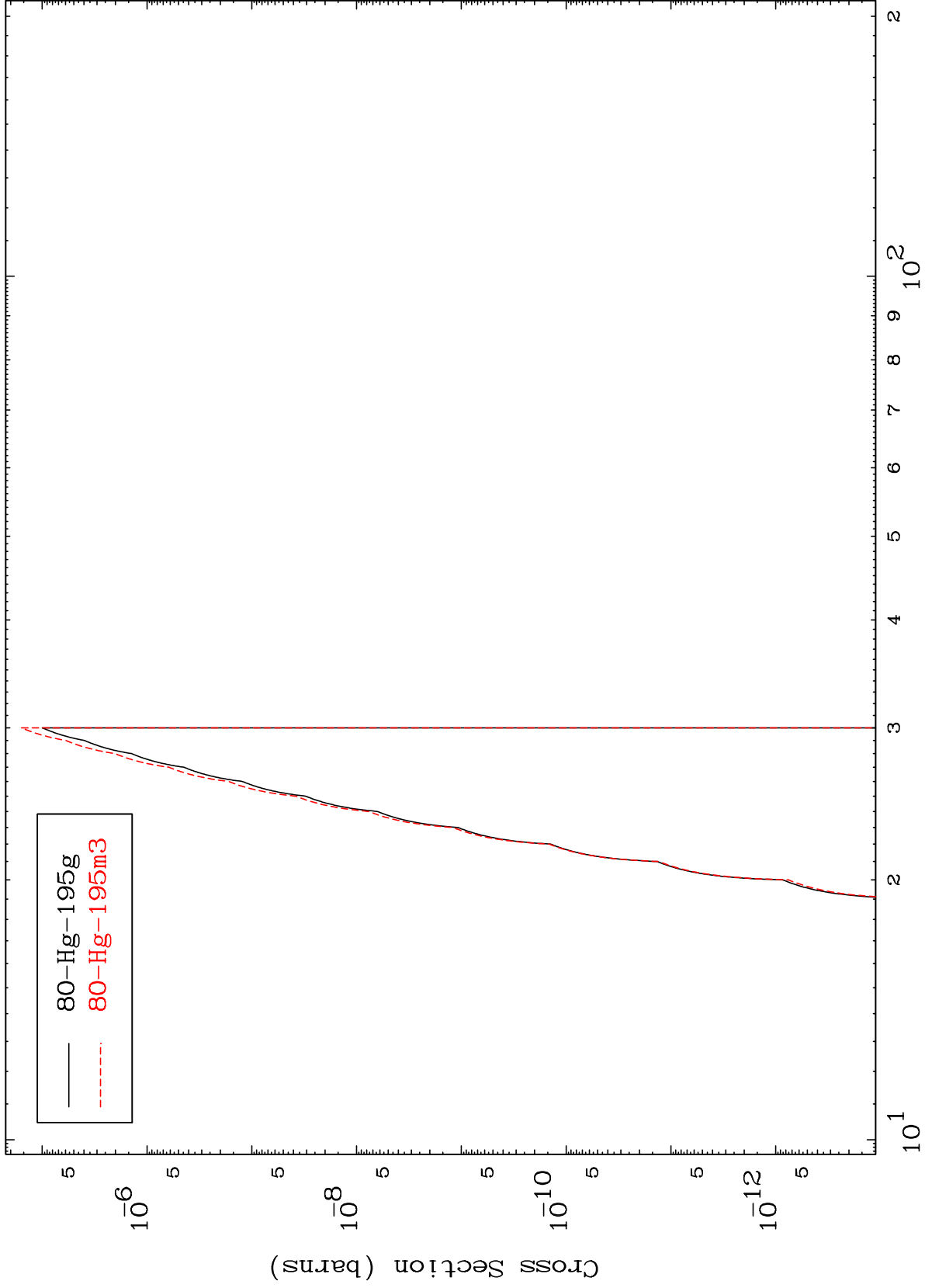


MAT 8207

(n,n') He-3

82-Pb-198

Radionuclide Production Cross Section



80-Hg-195g  
80-Hg-195m3

119

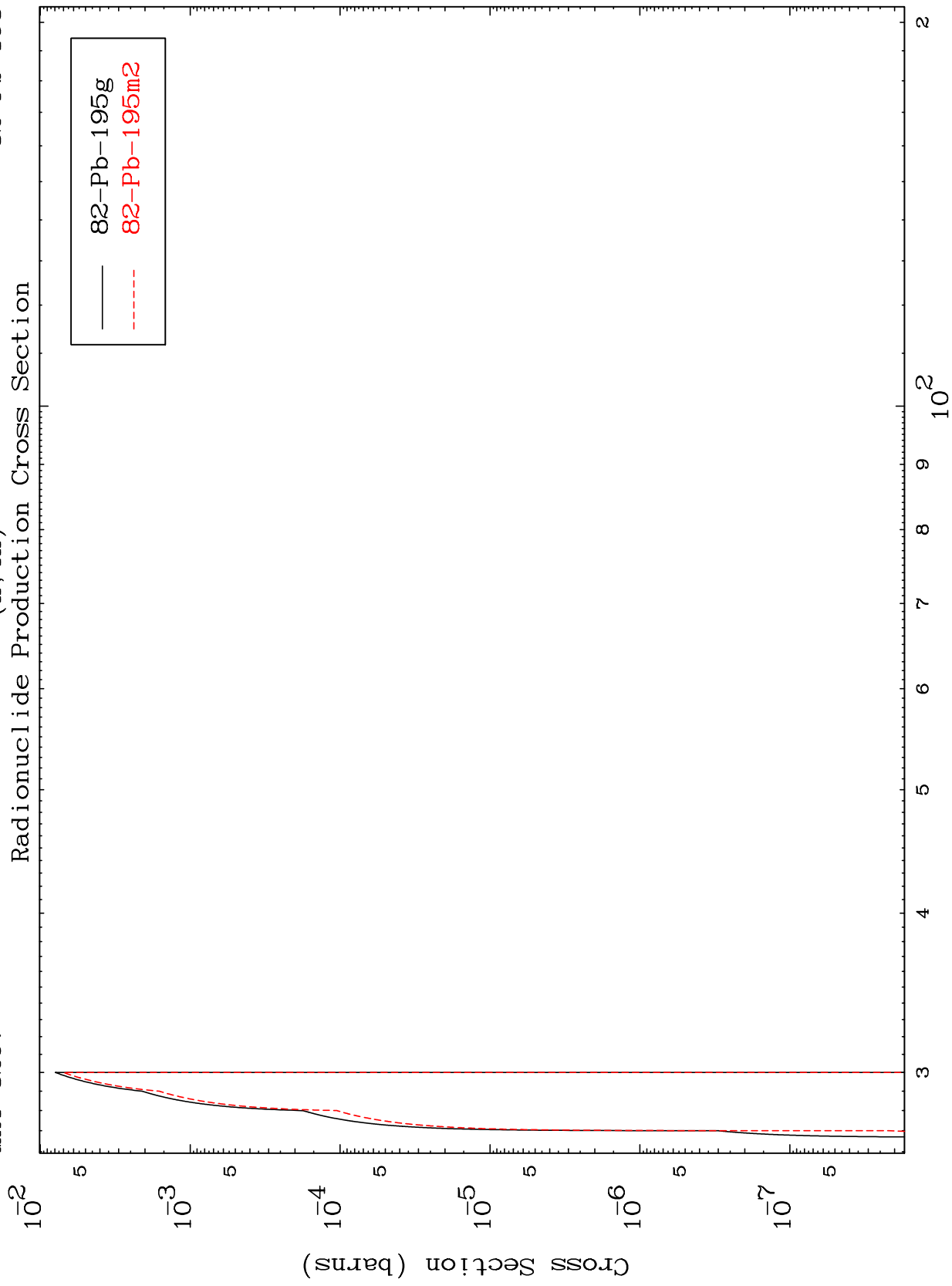
Incident Energy (MeV)

82-Pb-198

MAT 8207

82-Pb-198

(n,4n)  
Radionuclide Production Cross Section



120

82-Pb-198

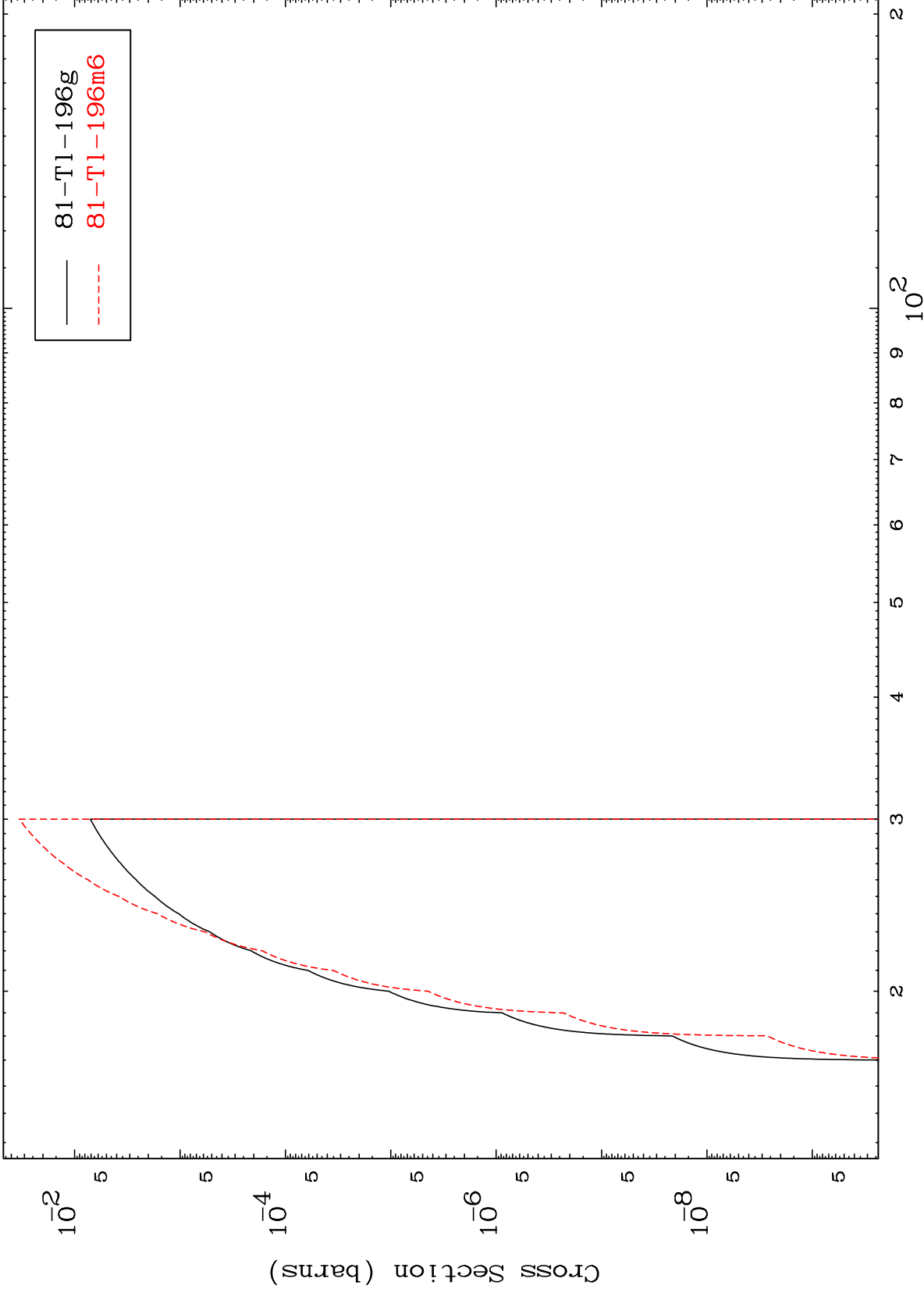
Incident Energy (MeV)

MAT 8207

(n,2n) p

82-Pb-198

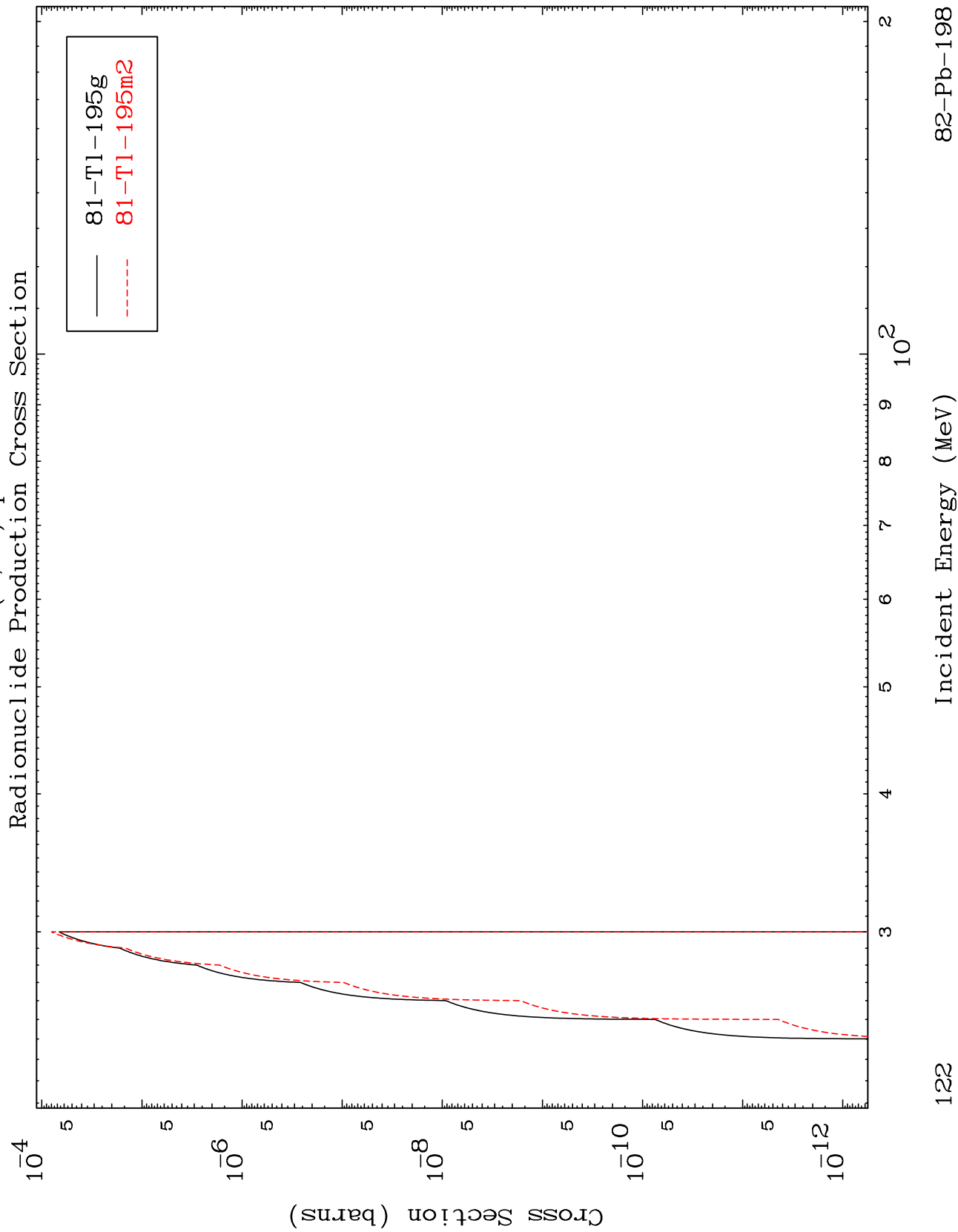
Radionuclide Production Cross Section



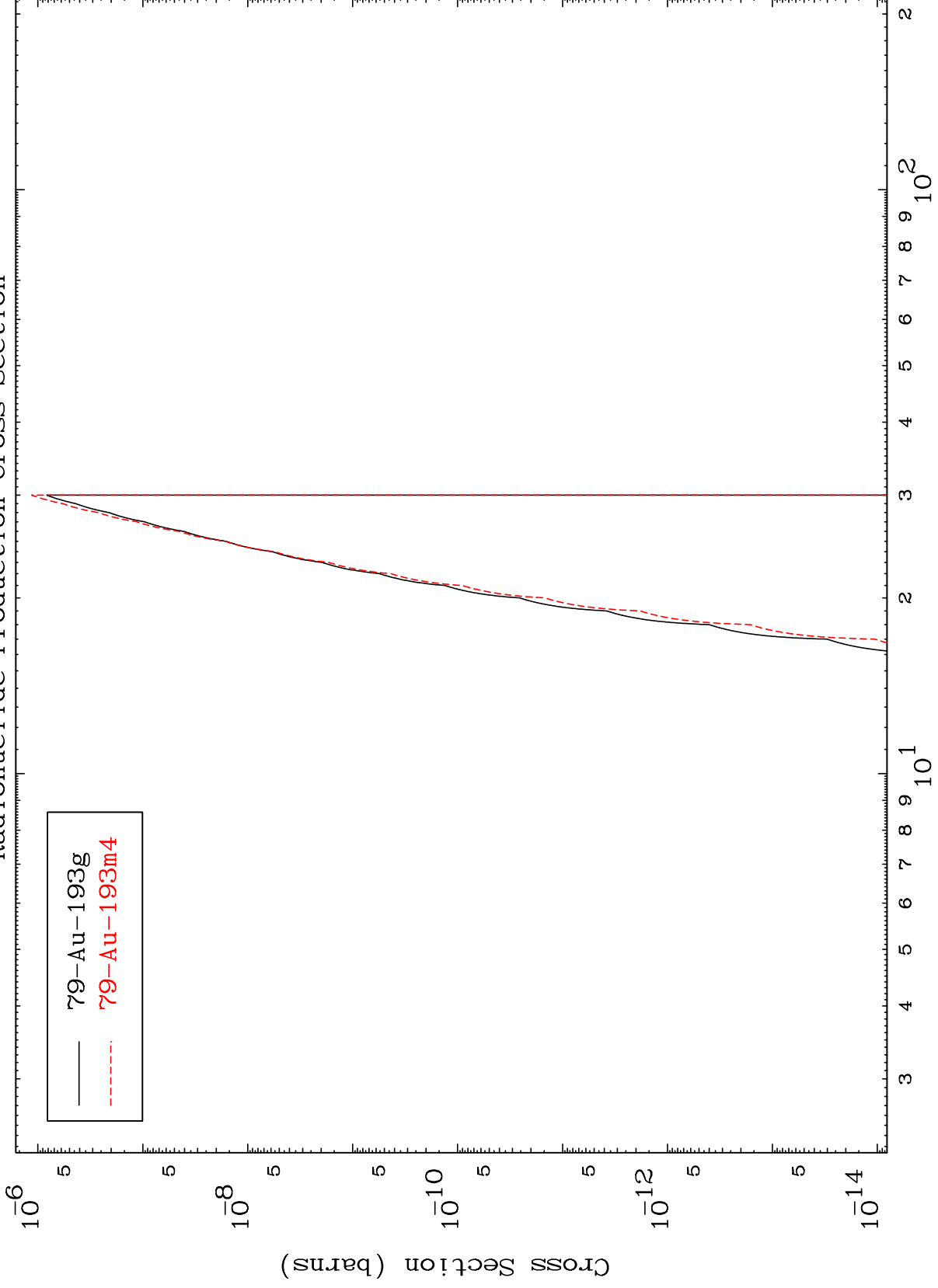
121

Incident Energy (MeV)

82-Pb-198



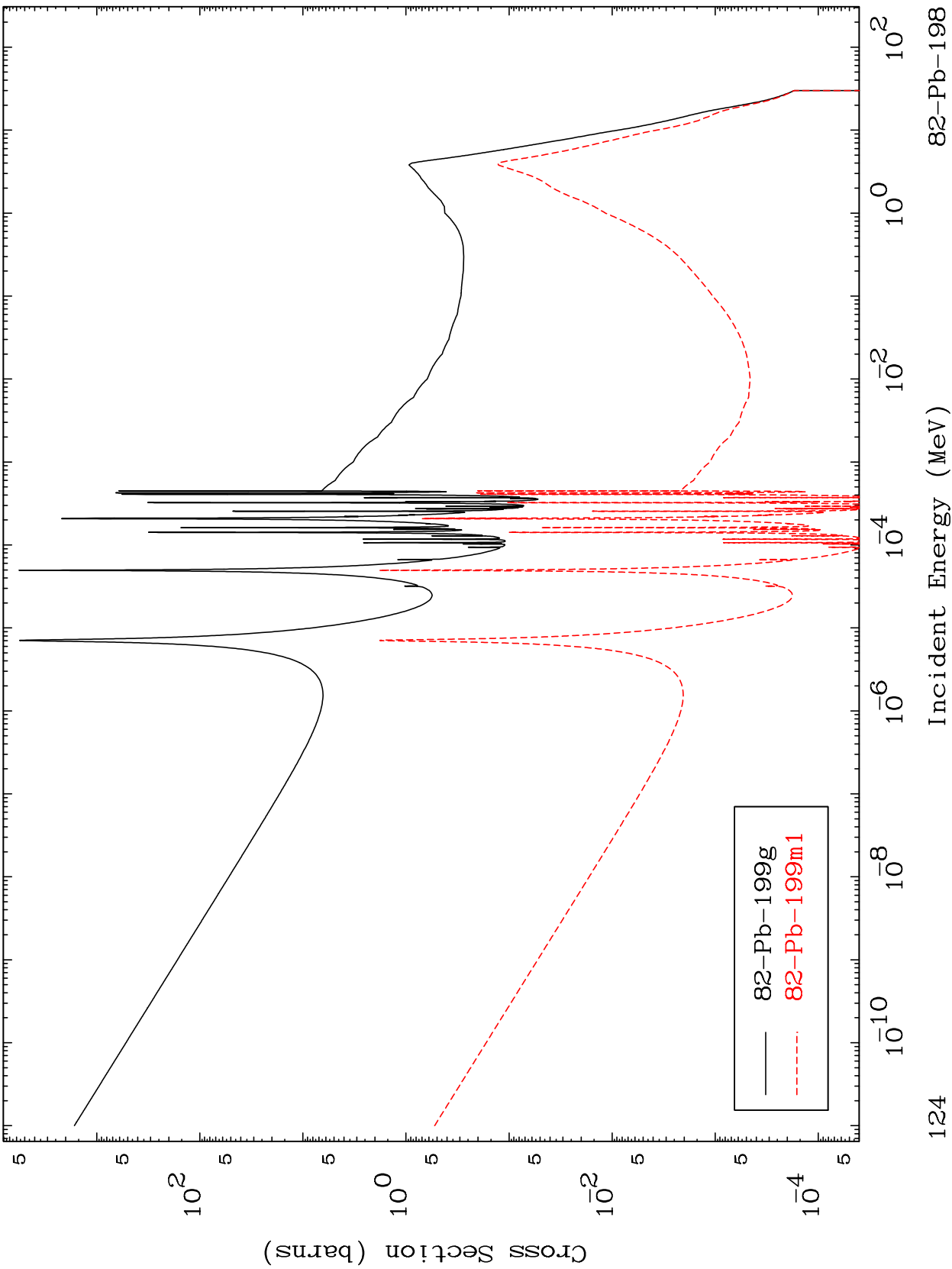
Radionuclide Production Cross Section



MAT 8207

82-Pb-198

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

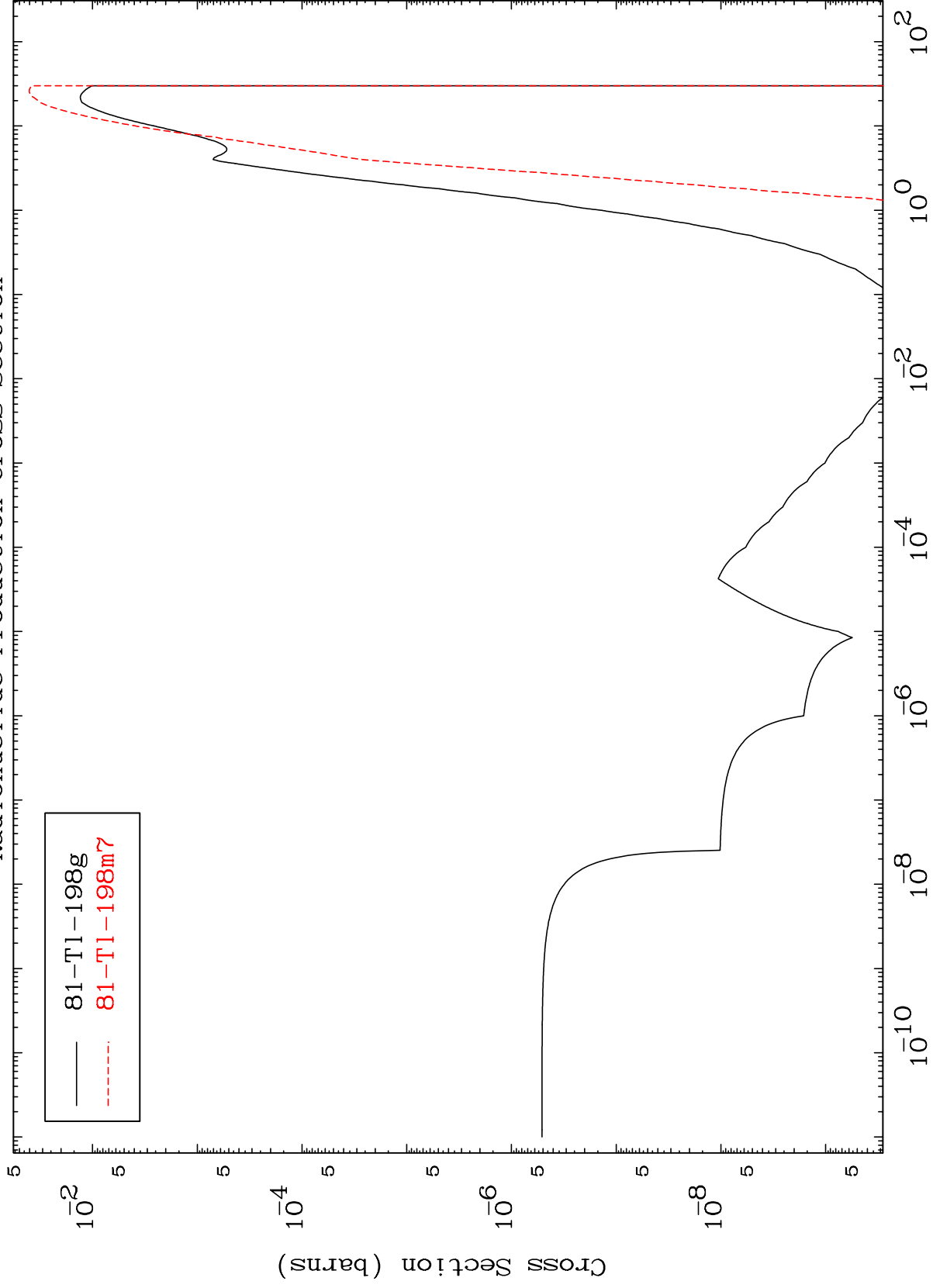


MAT 8207

(n,p)

82-Pb-198

Radionuclide Production Cross Section



125

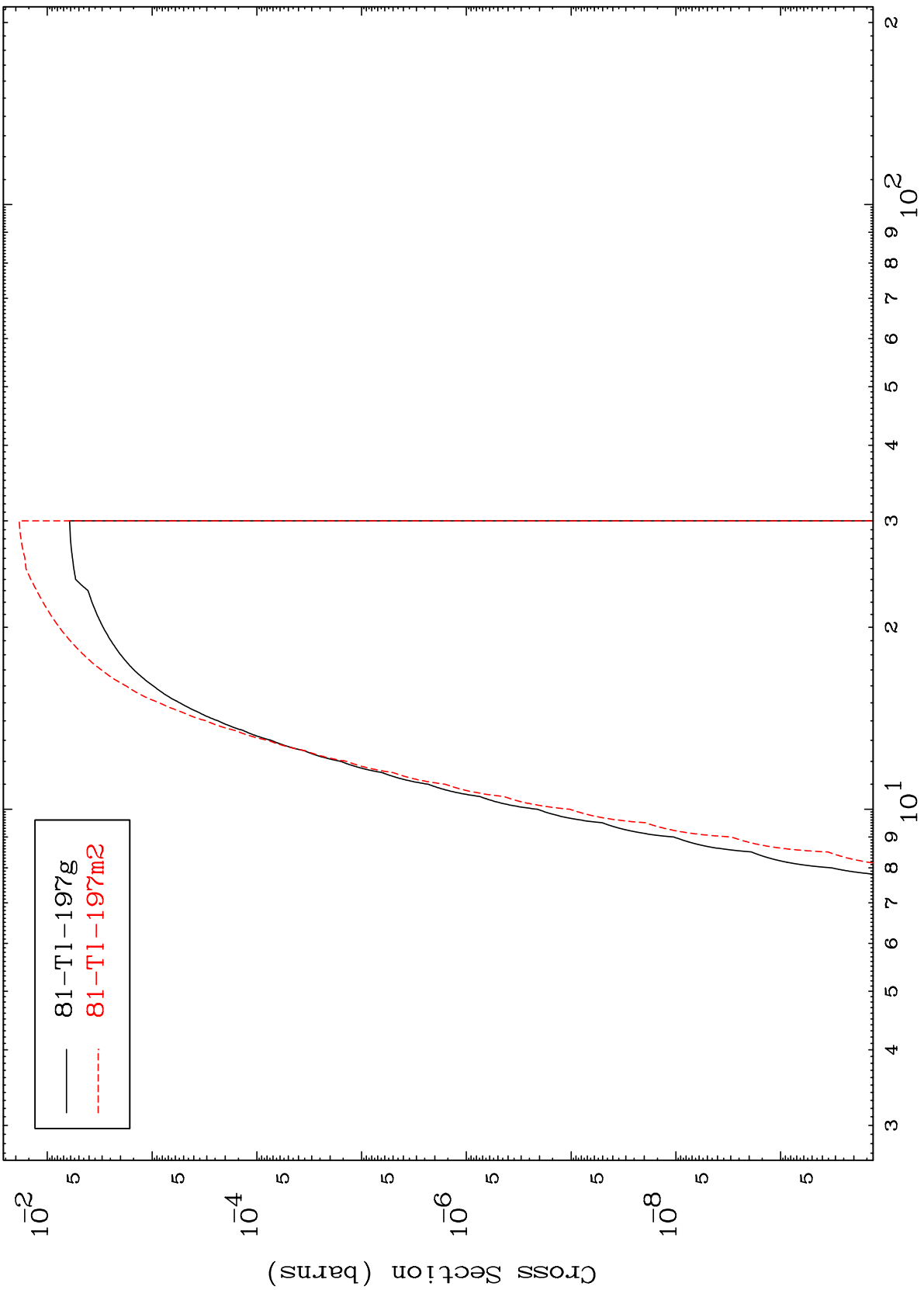
Incident Energy (MeV)

82-Pb-198

MAT 8207

82-Pb-198

(n,d)  
Radionuclide Production Cross Section



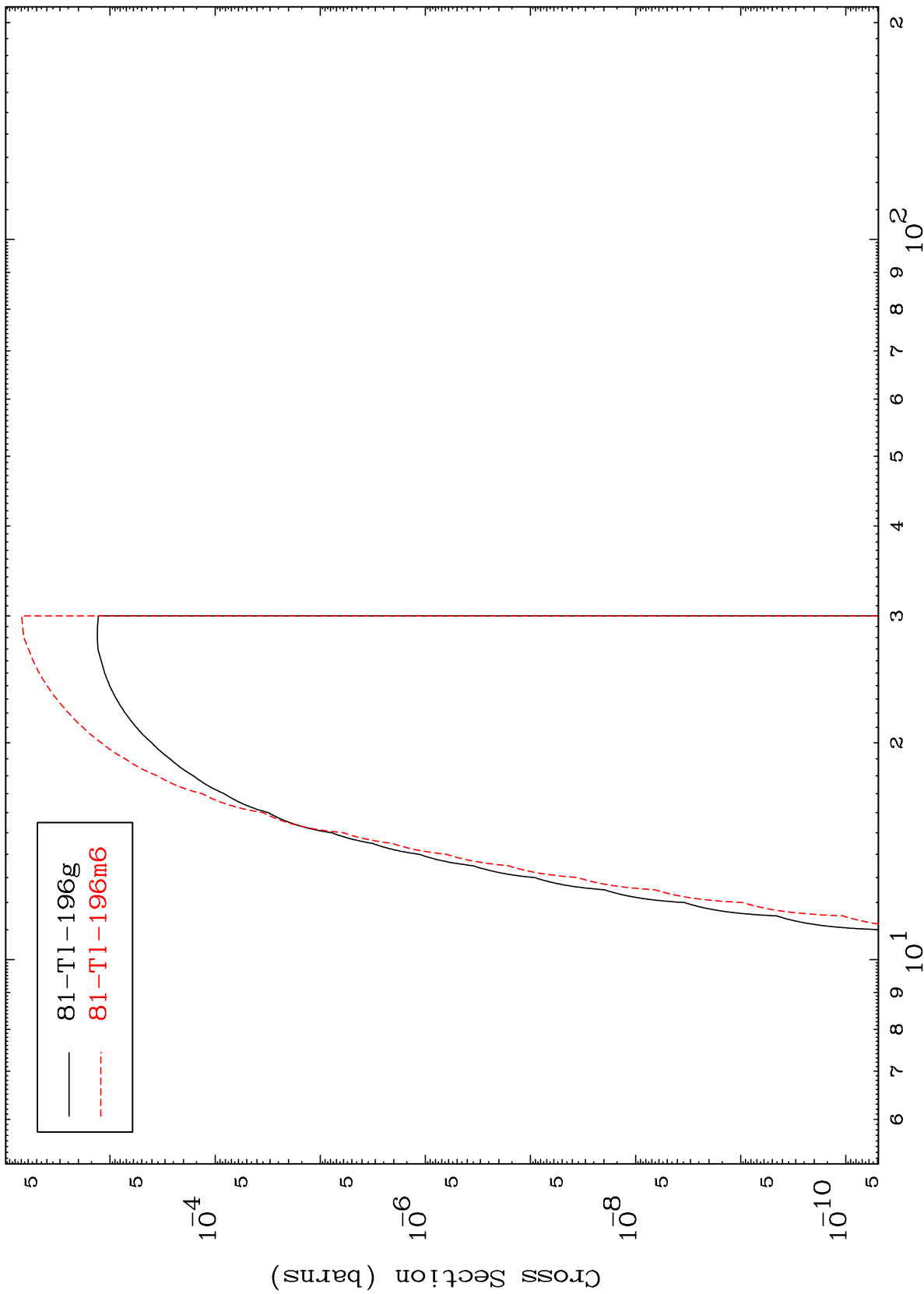
81-Tl-197g  
81-Tl-197m2

126

Incident Energy (MeV)

82-Pb-198

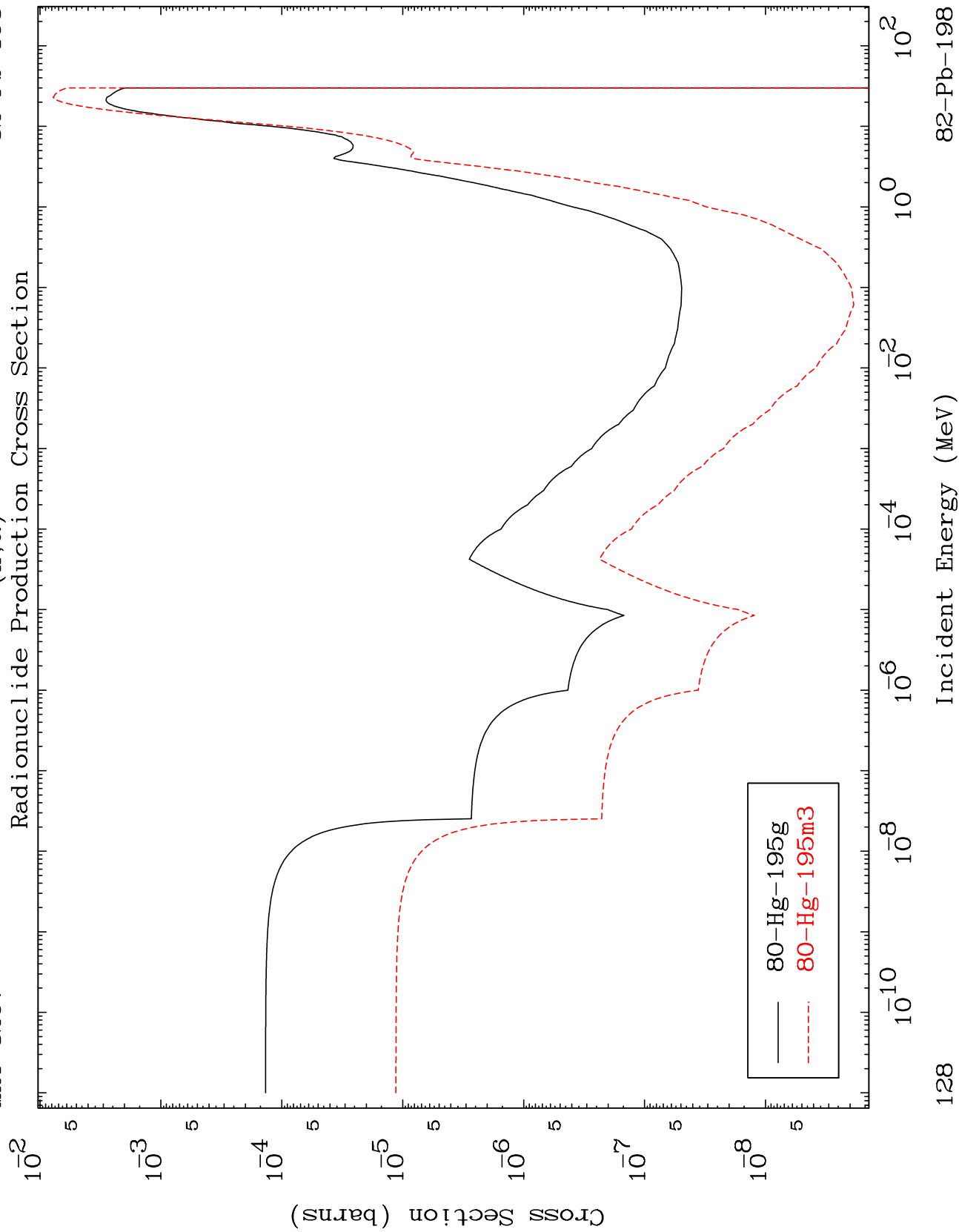
(n, t)  
Radionuclide Production Cross Section



MAT 8207

82-Pb-198

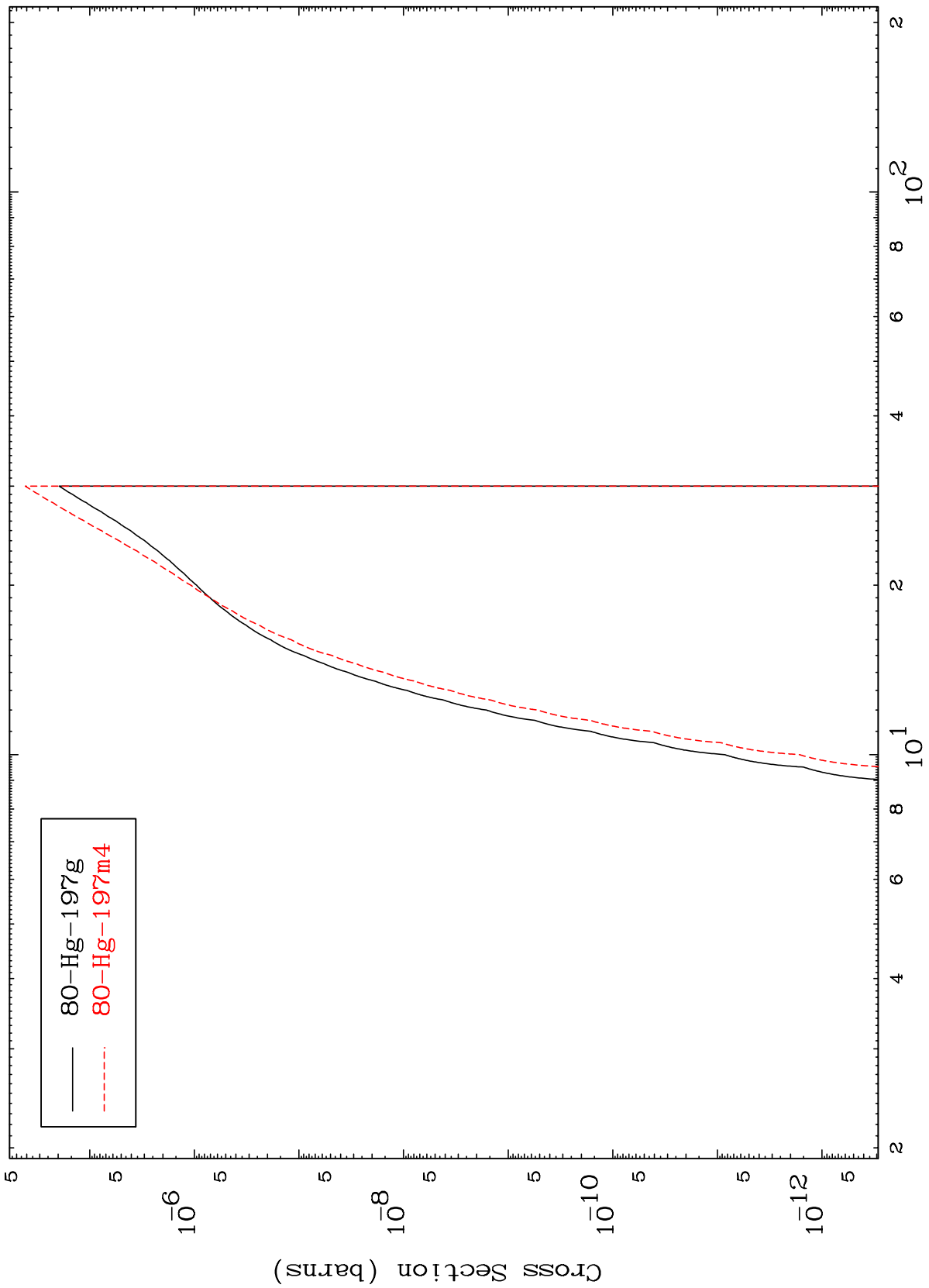
Radionuclide Production Cross Section  
(n,  $\alpha$ )



MAT 8207

82-Pb-198

(n,2p)  
Radionuclide Production Cross Section



— 80-Hg-197g  
- - - 80-Hg-197m4

129

82-Pb-198

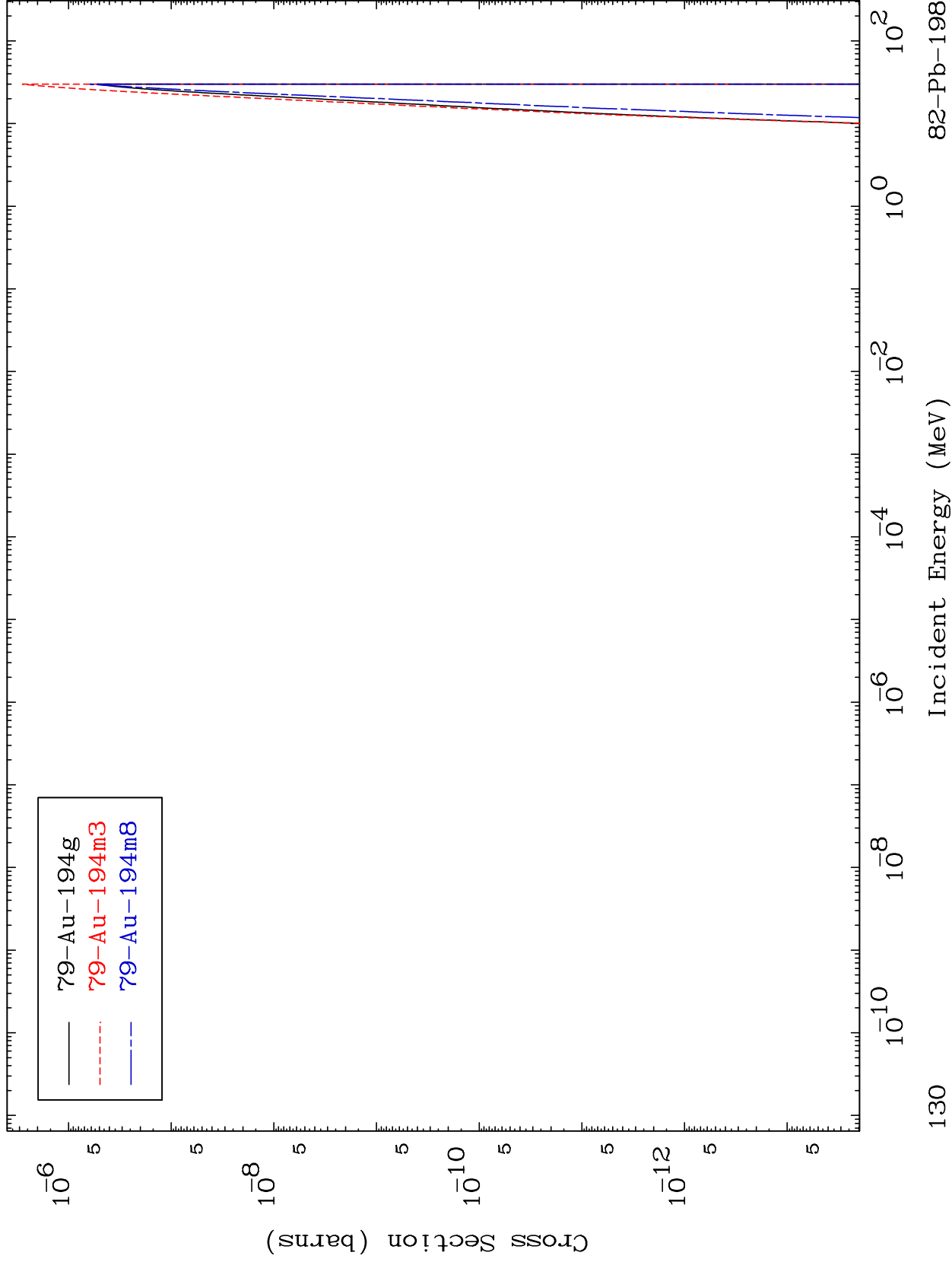
Incident Energy (MeV)

MAT 8207

(n,p)  $\alpha$

82-Pb-198

Radionuclide Production Cross Section

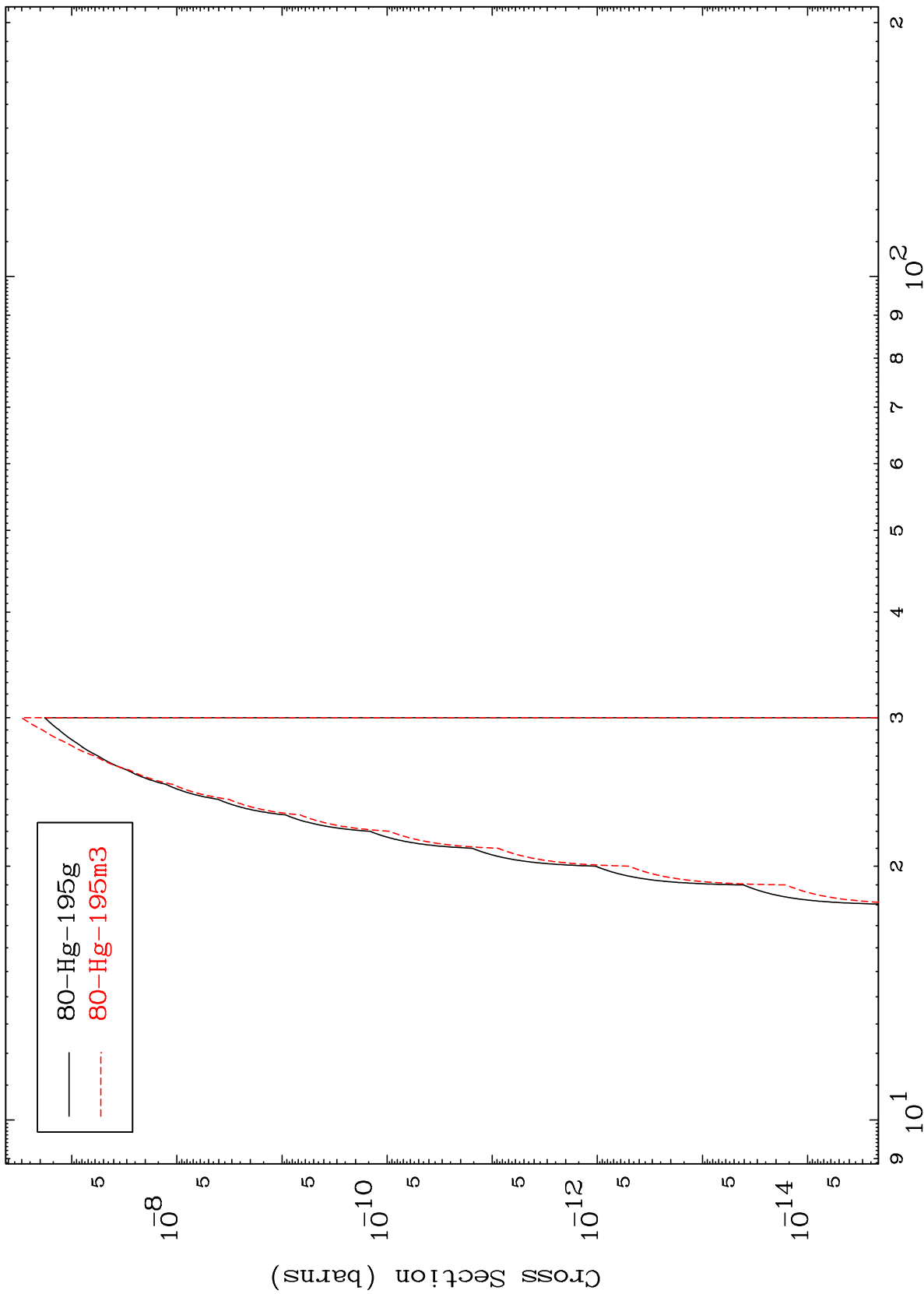


MAT 8207

(n,p) t

82-Pb-198

Radionuclide Production Cross Section



80-Hg-195g  
80-Hg-195m3

131

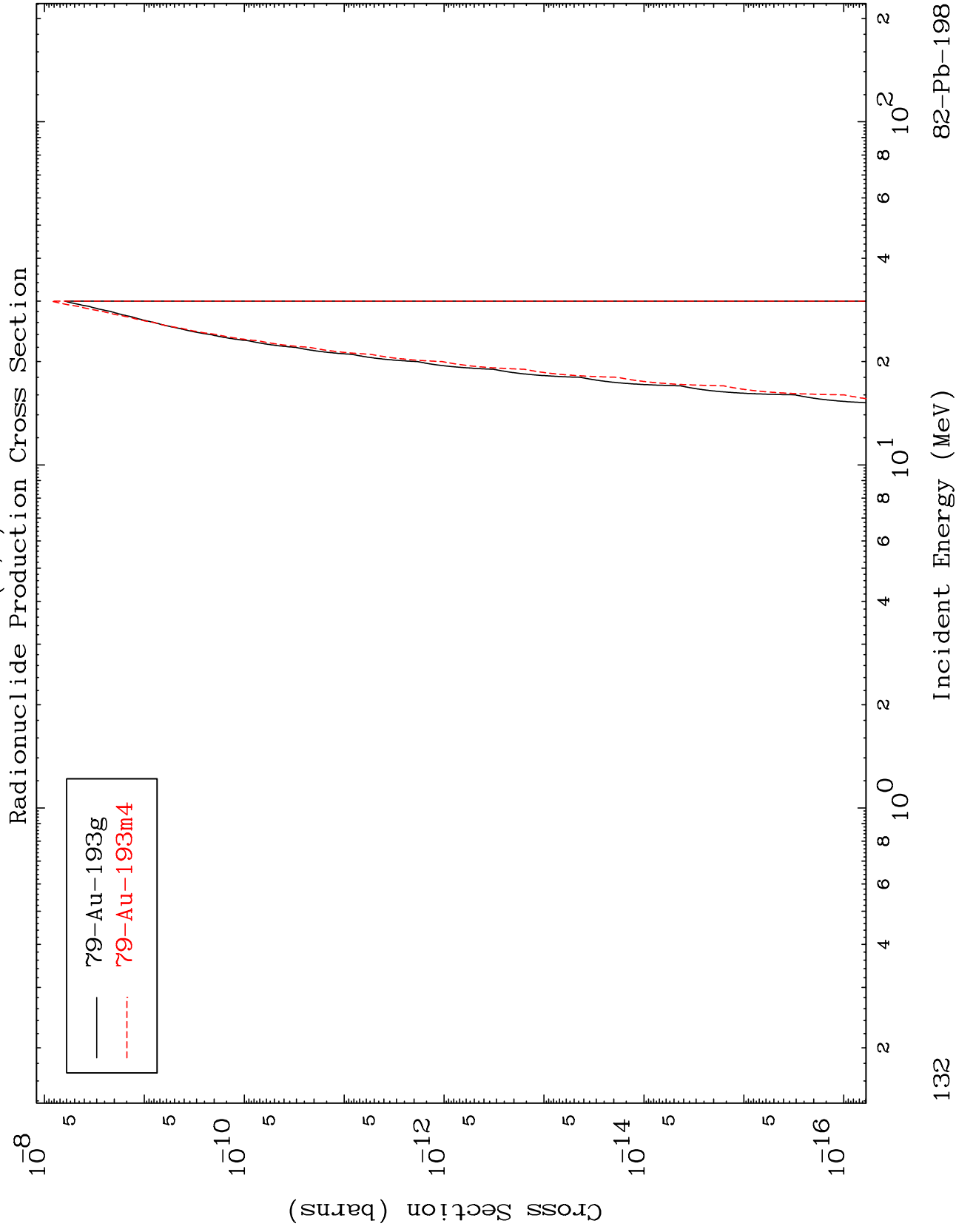
Incident Energy (MeV)

82-Pb-198

MAT 8207

(n,d)  $\alpha$

82-Pb-198



132