

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

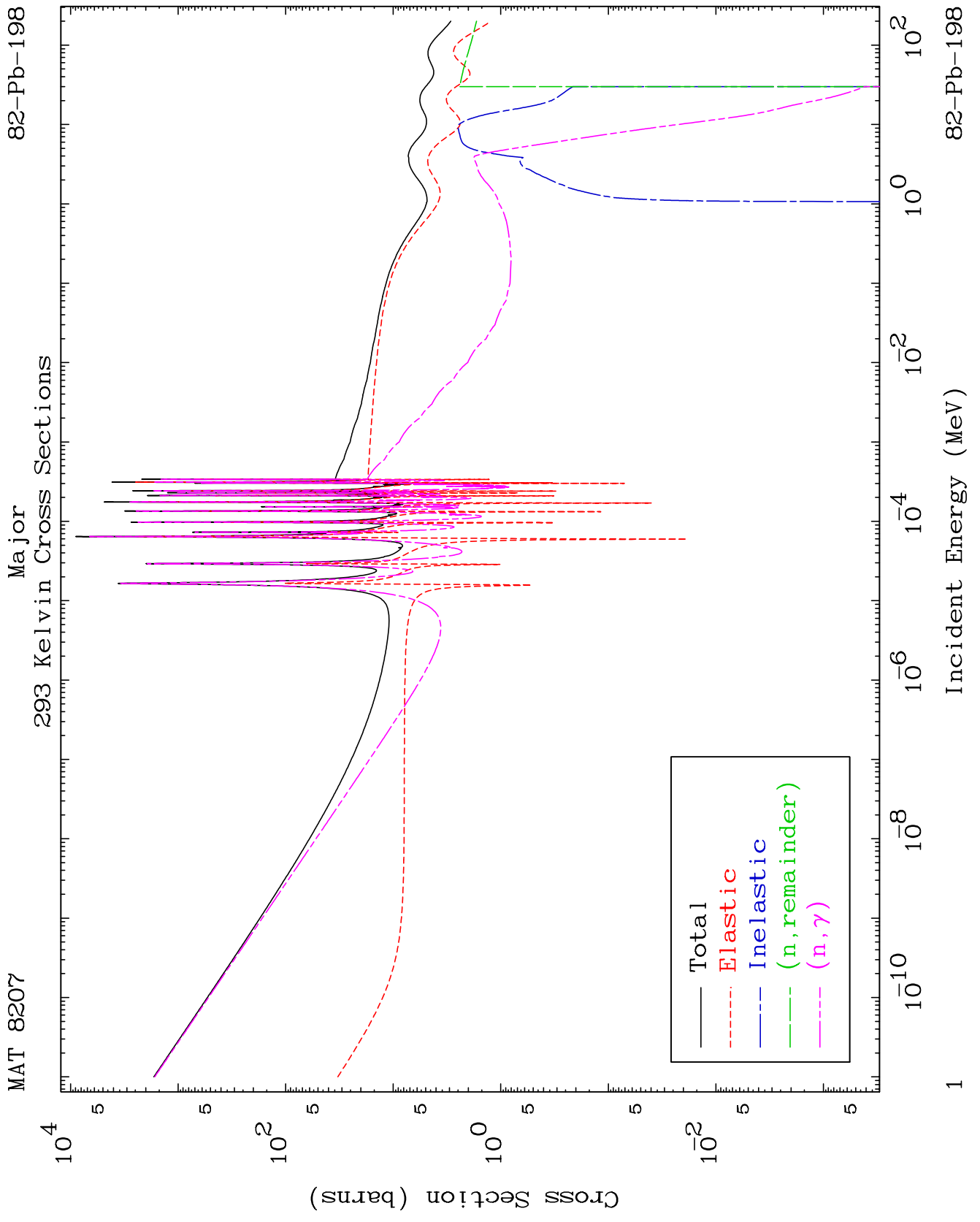
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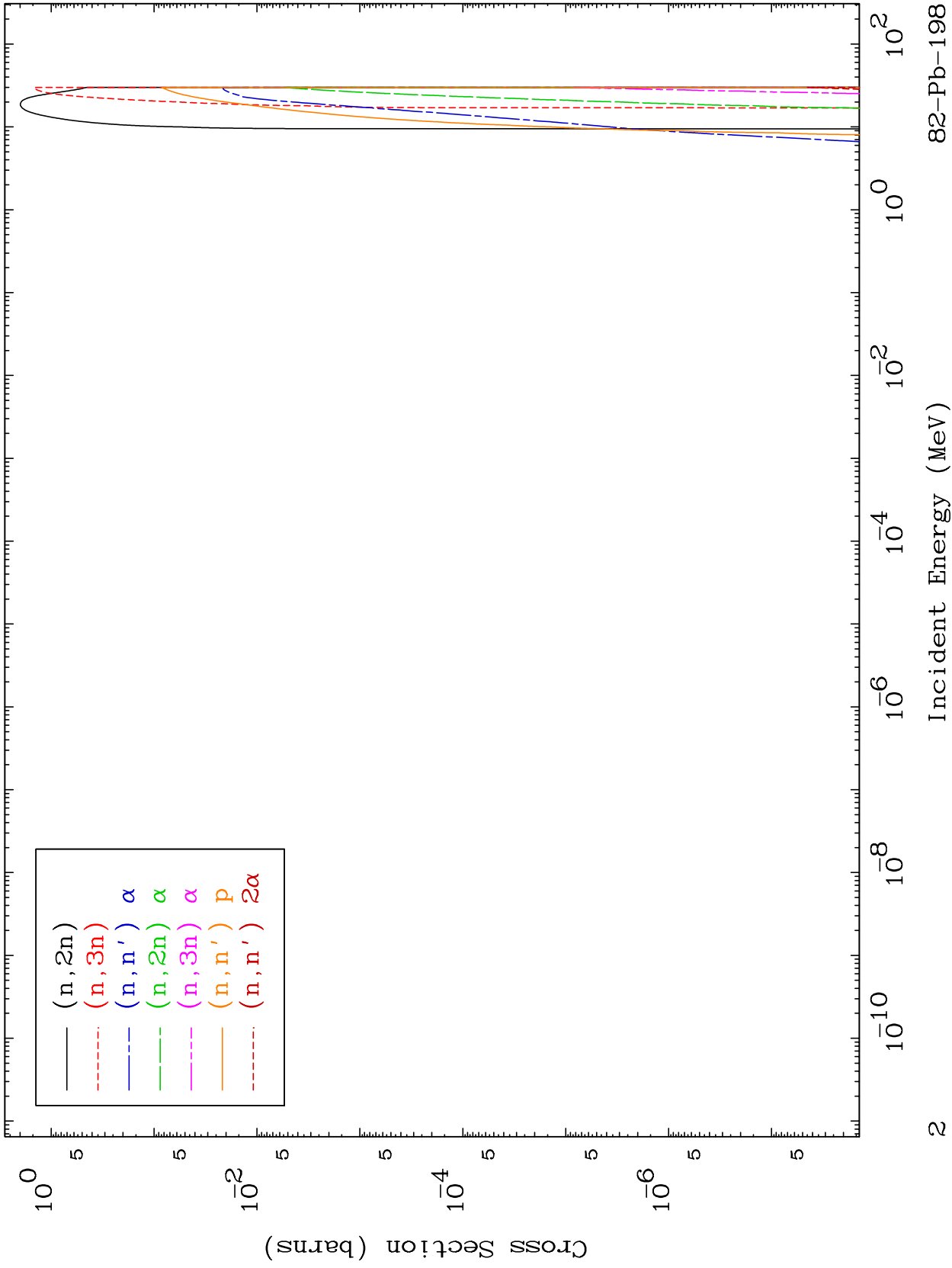
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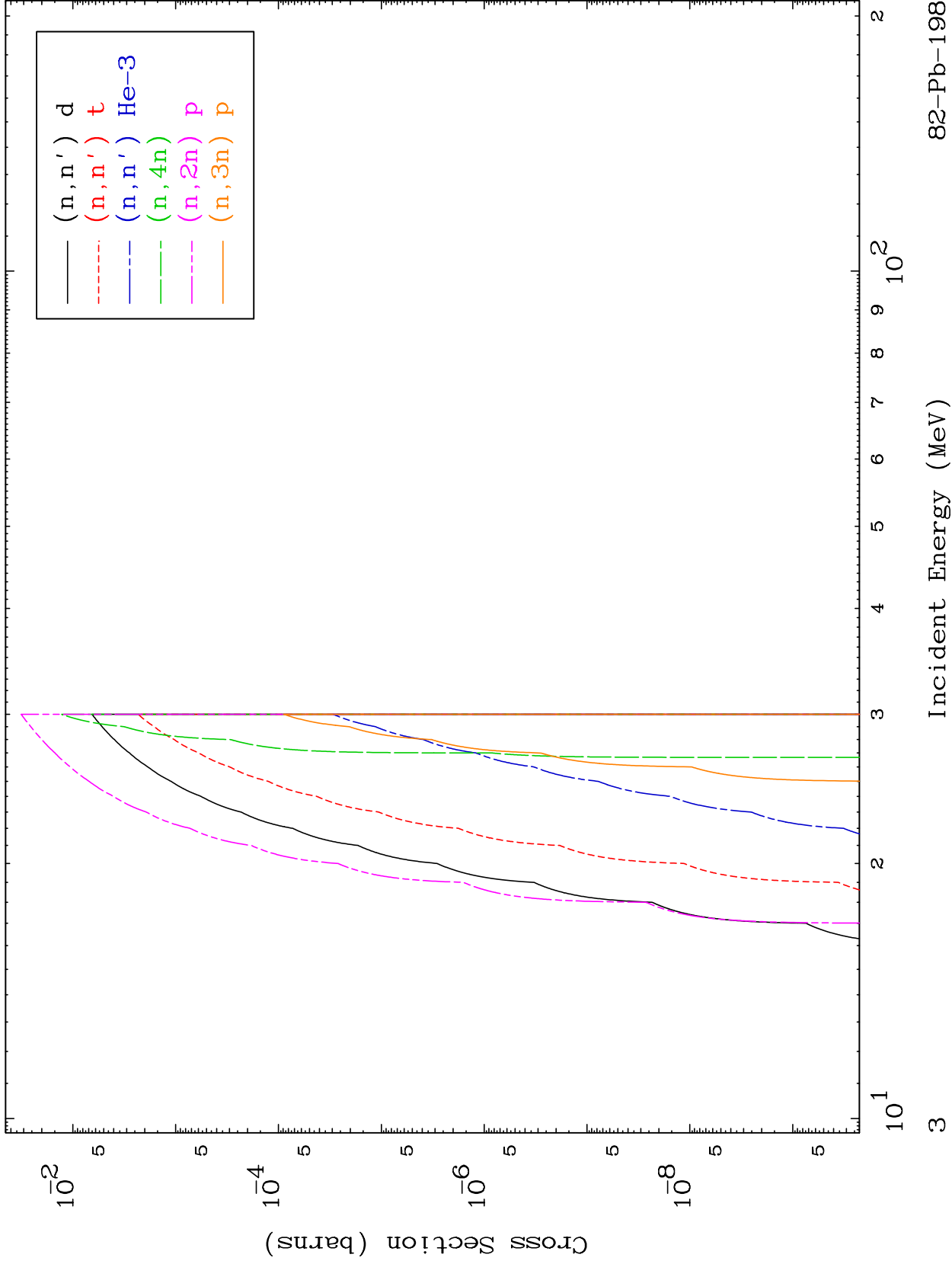


MAT 8207

Neutron Production  
293 Kelvin Cross Sections

82-Pb-198

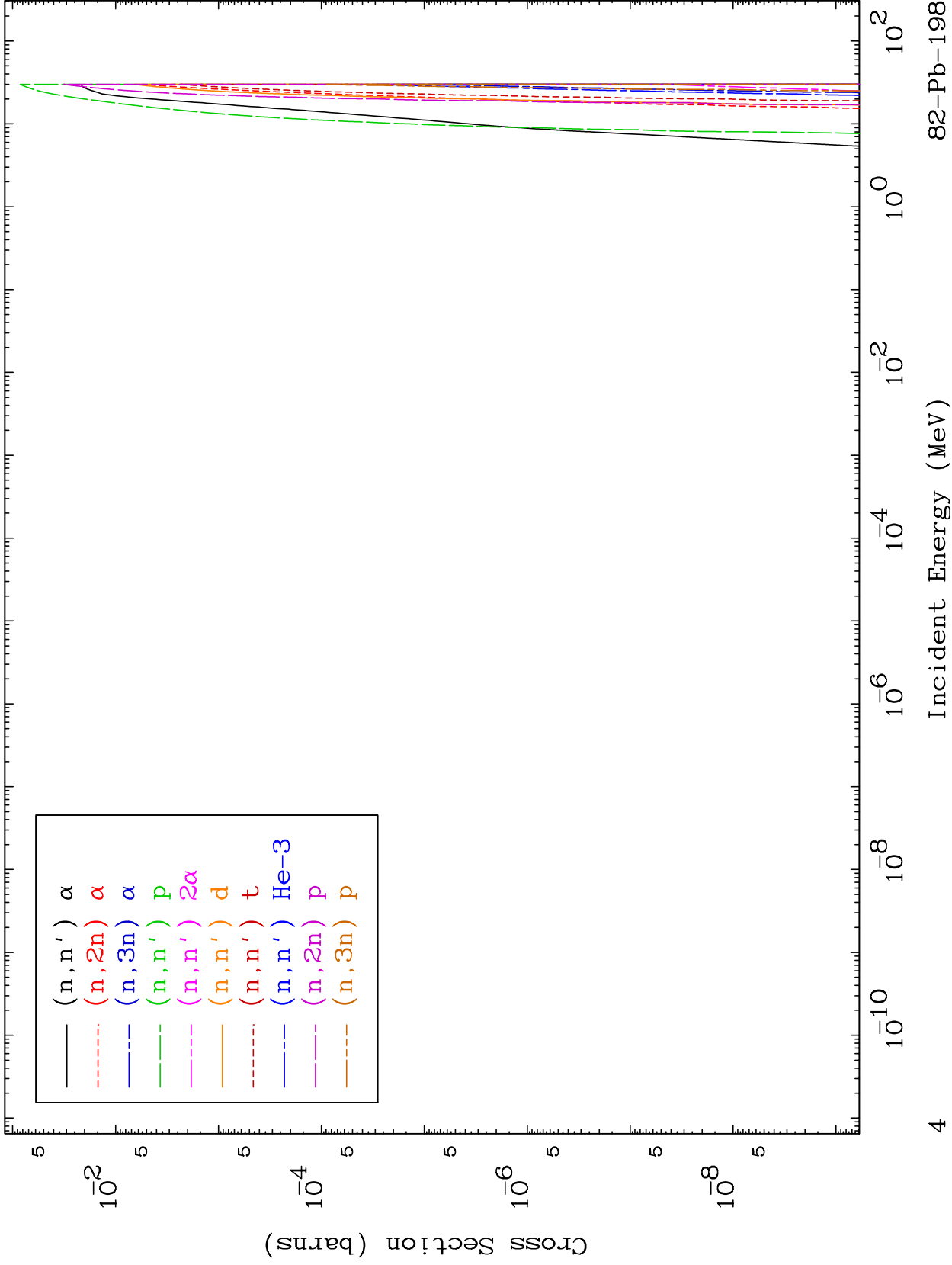




MAT 8207

Charged Particle  
293 Kelvin Cross Sections

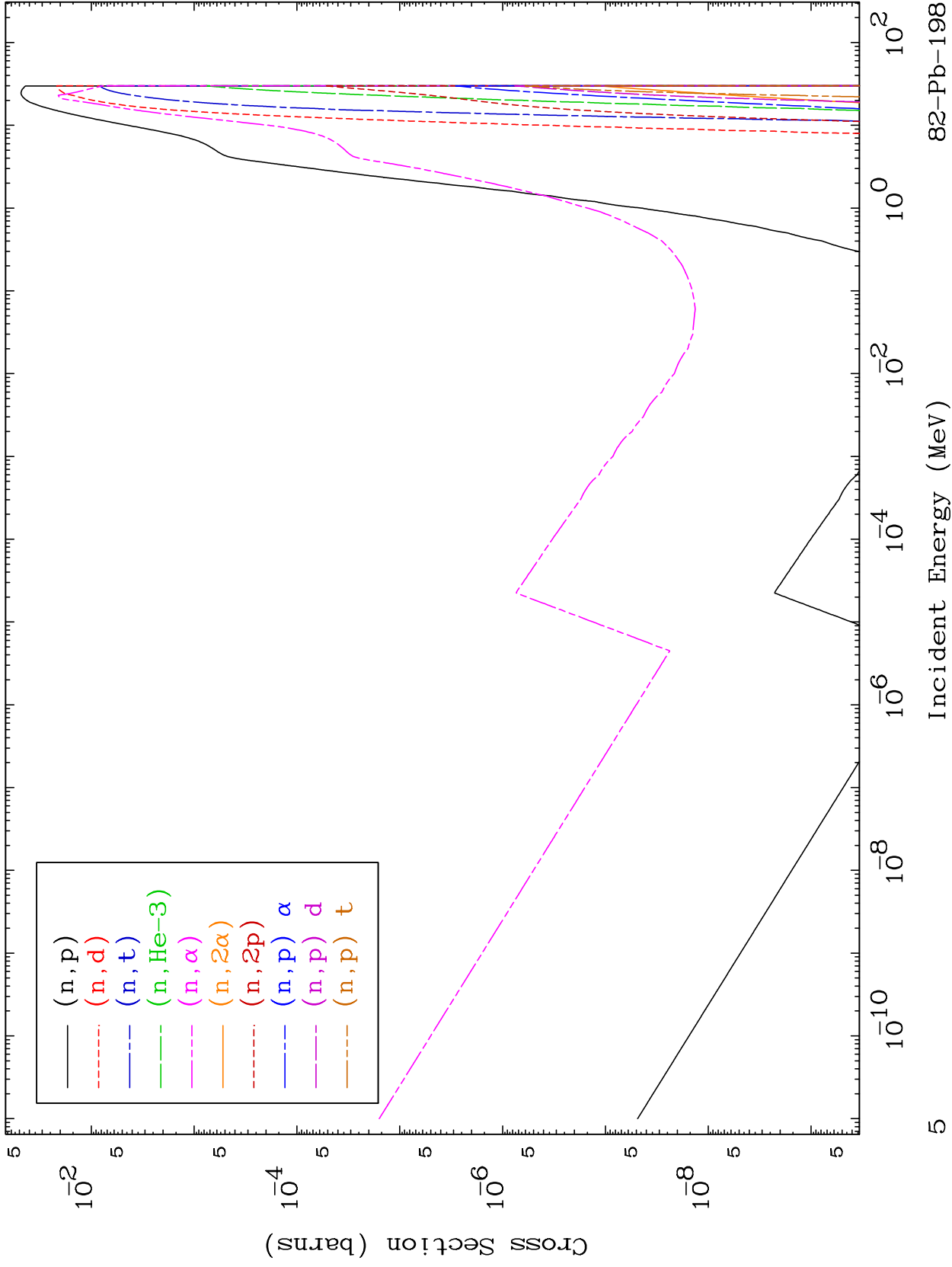
82-Pb-198



MAT 8207

Charged Particle  
293 Kelvin Cross Sections

82-Pb-198

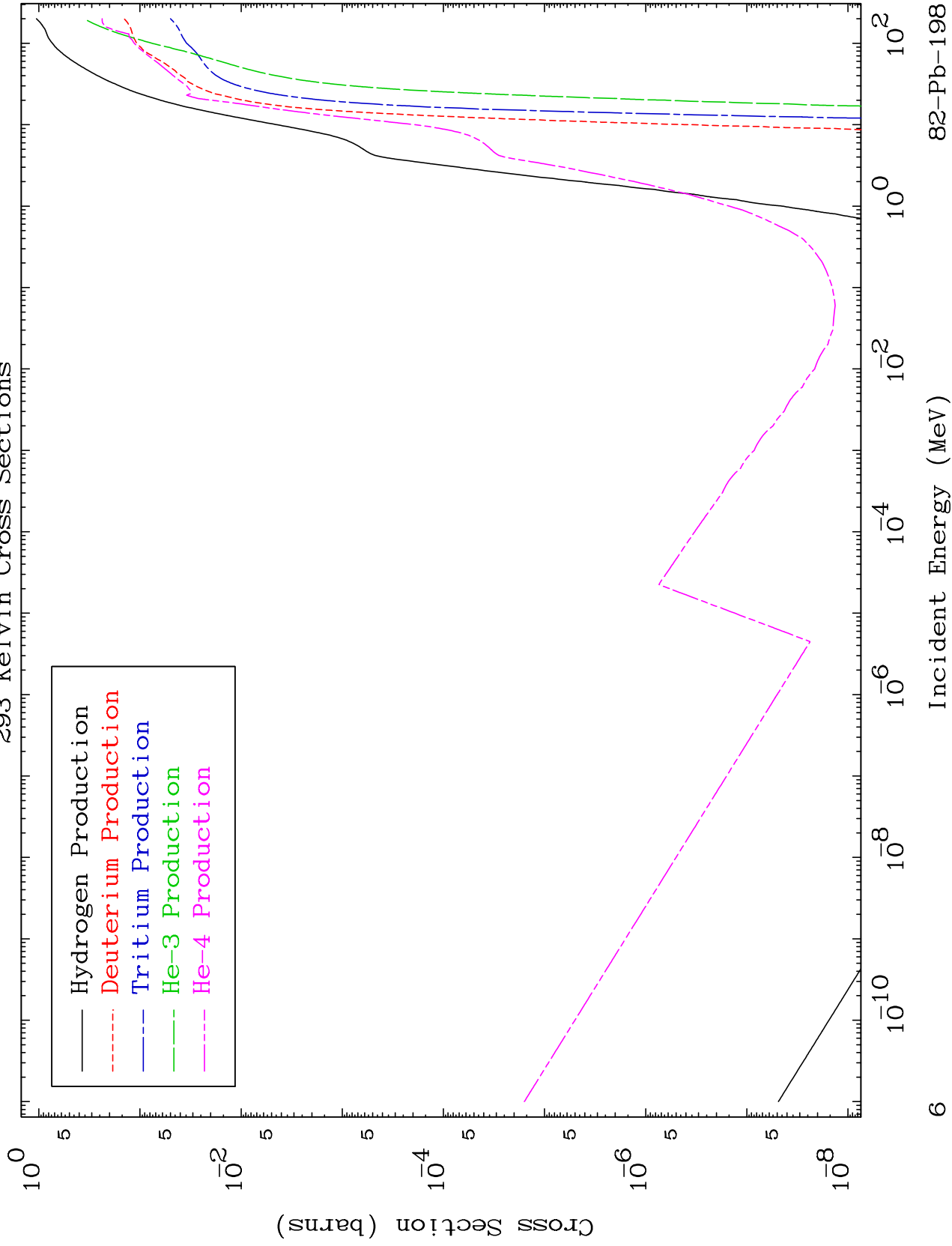


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MAT 8207

Particle Production  
293 Kelvin Cross Sections

82-Pb-198

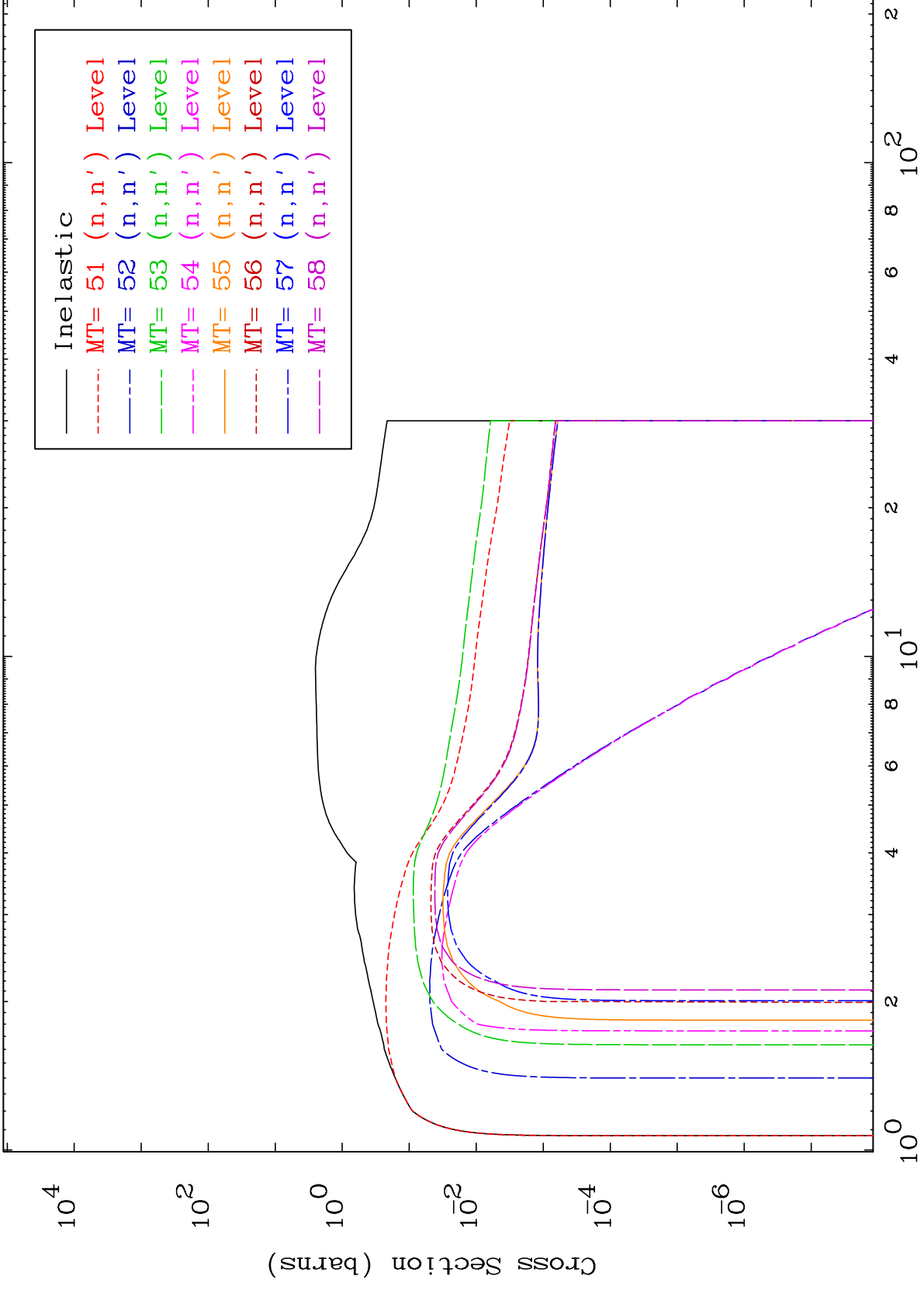


MAT 8207

(n,n') Level

82-Pb-198

293 Kelvin Cross Sections



Incident Energy (MeV)

82-Pb-198

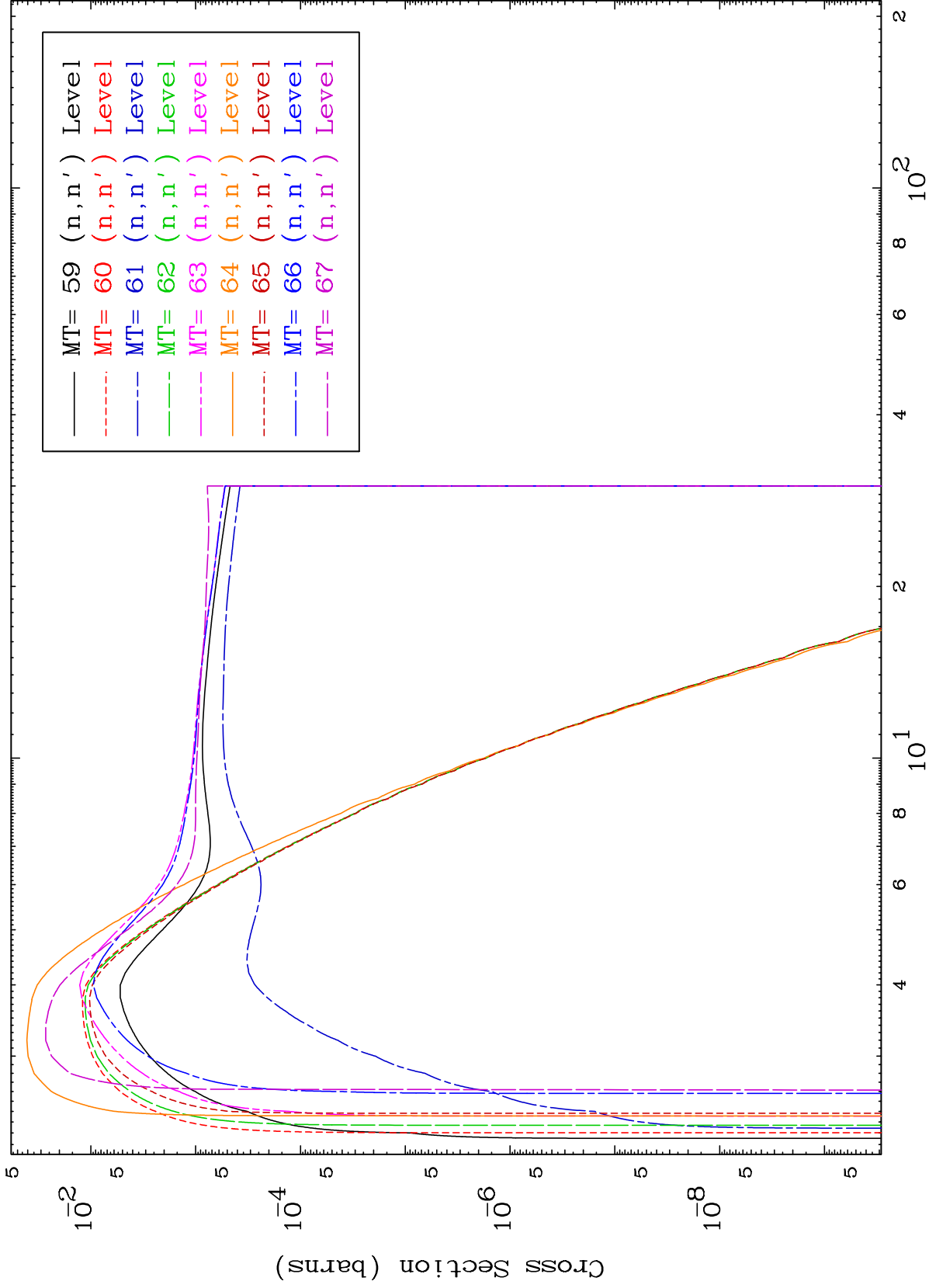


MAT 8207

(n,n') Level

82-Pb-198

293 Kelvin Cross Sections

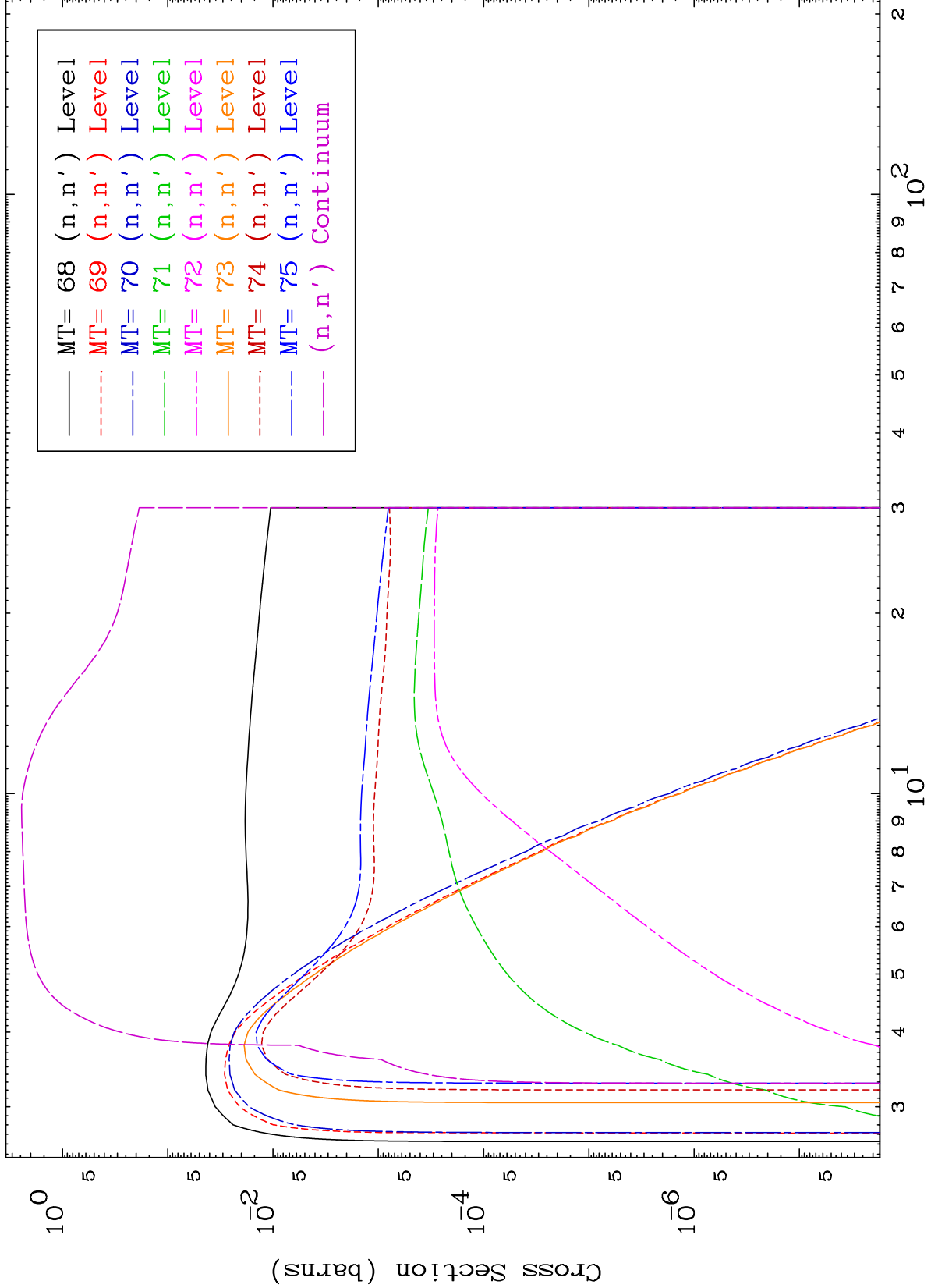


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Incident Energy (MeV)

82-Pb-198

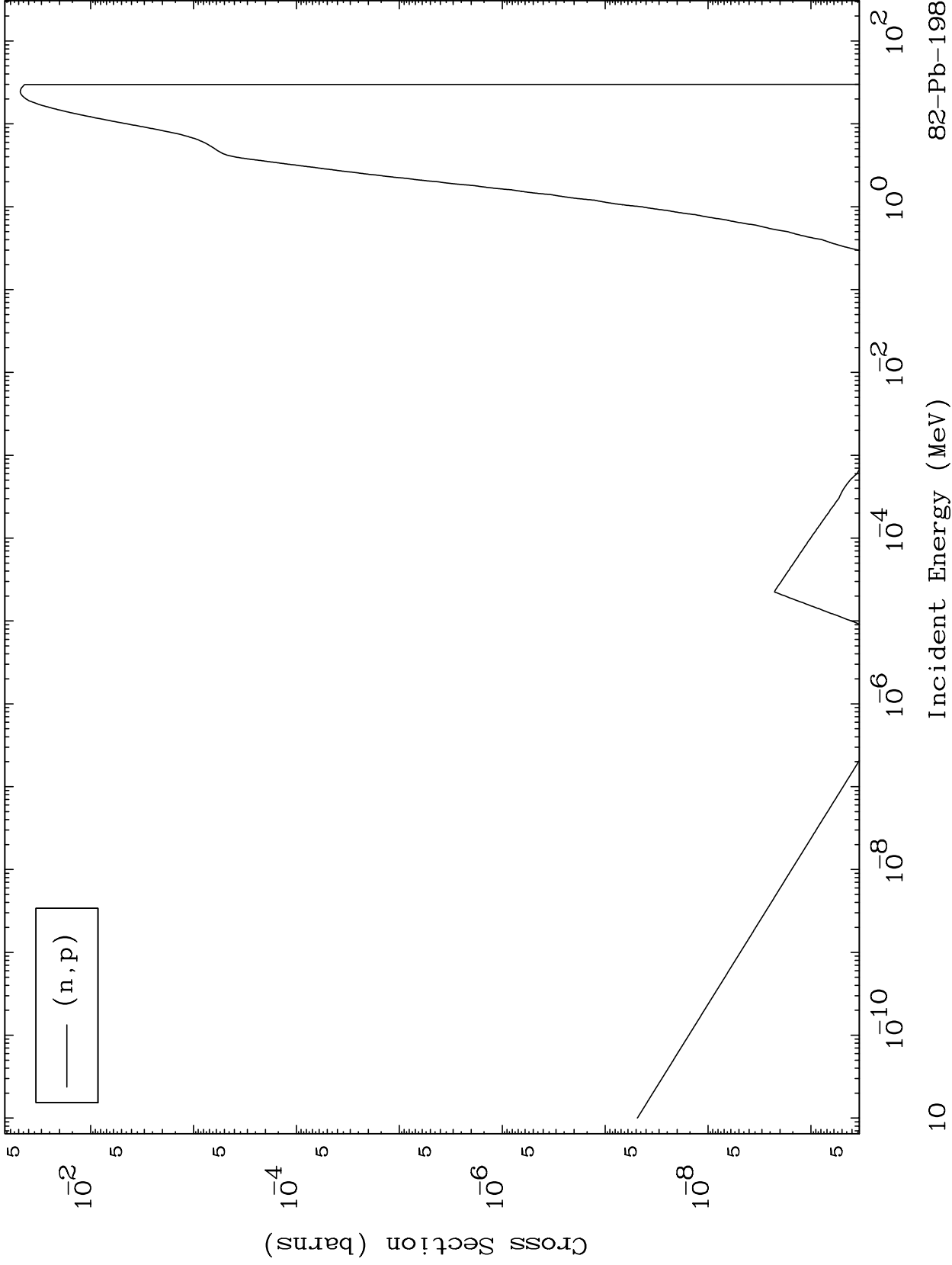
293 Kelvin Cross Sections



MAT 8207

(n,p) Levels  
293 Kelvin Cross Sections

82-Pb-198



10

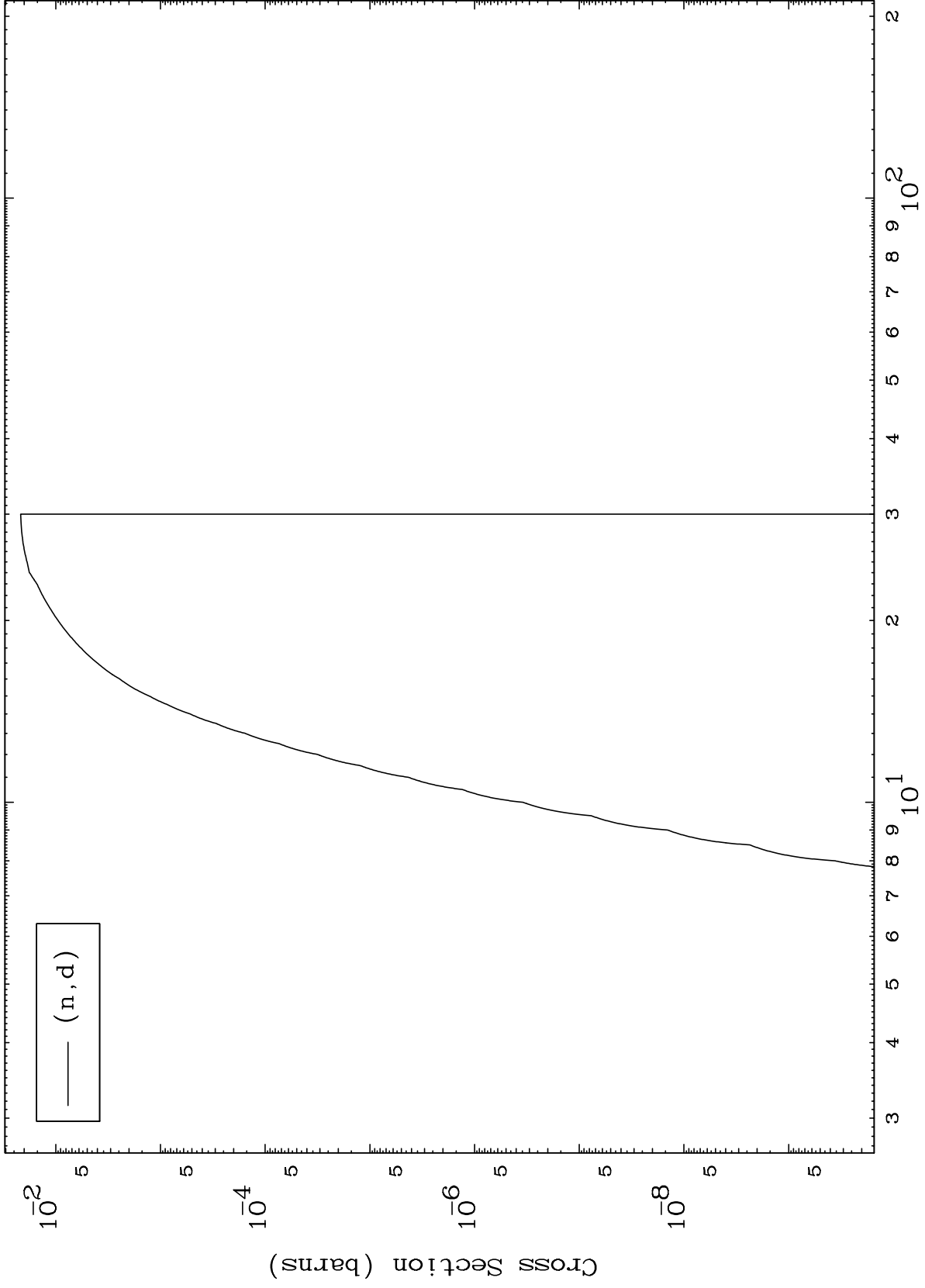
Incident Energy (MeV)

82-Pb-198

MAT 8207

(n,d) Levels  
293 Kelvin Cross Sections

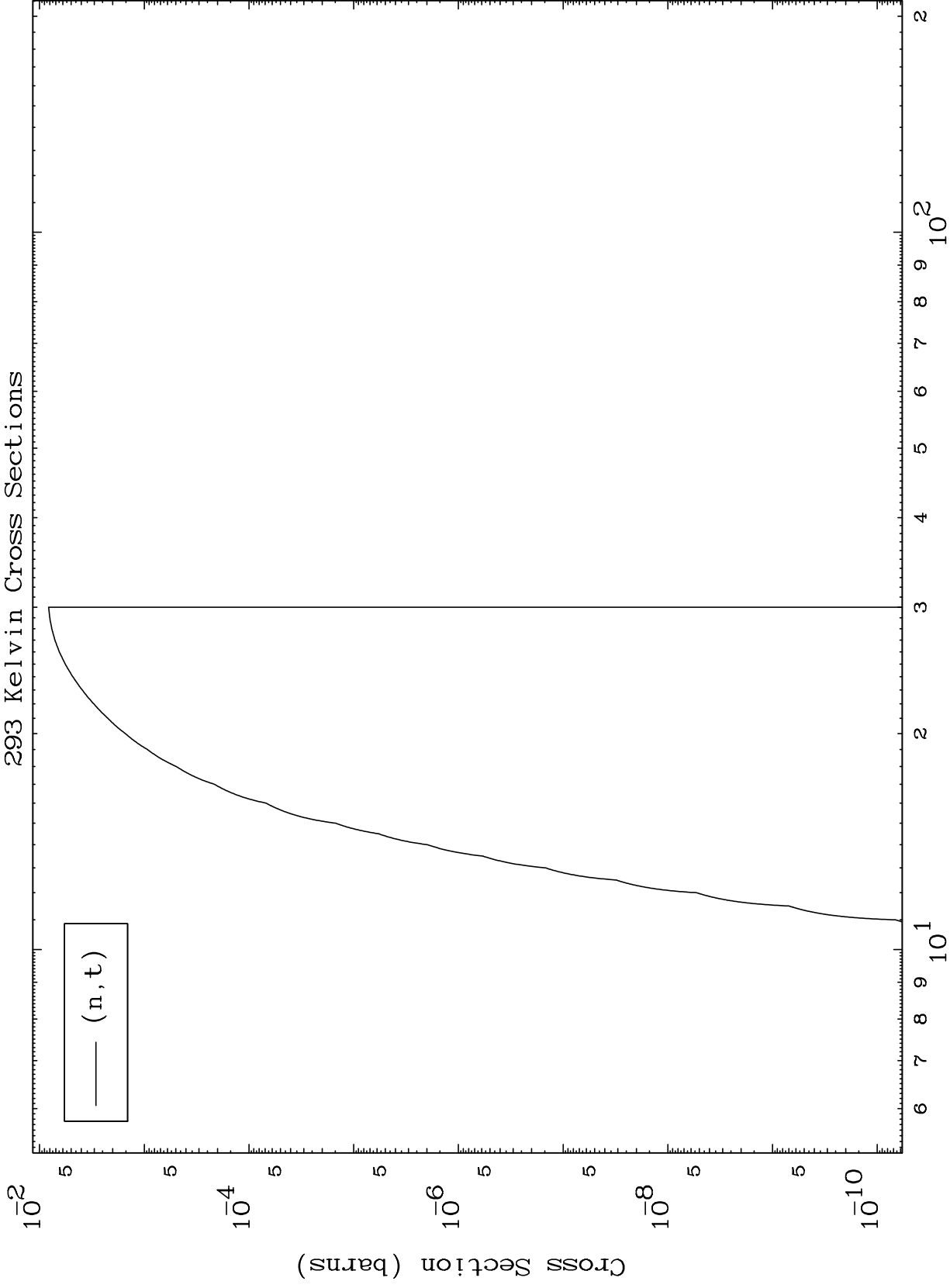
82-Pb-198



MAT 8207

(n,t) Levels  
293 Kelvin Cross Sections

82-Pb-198



12

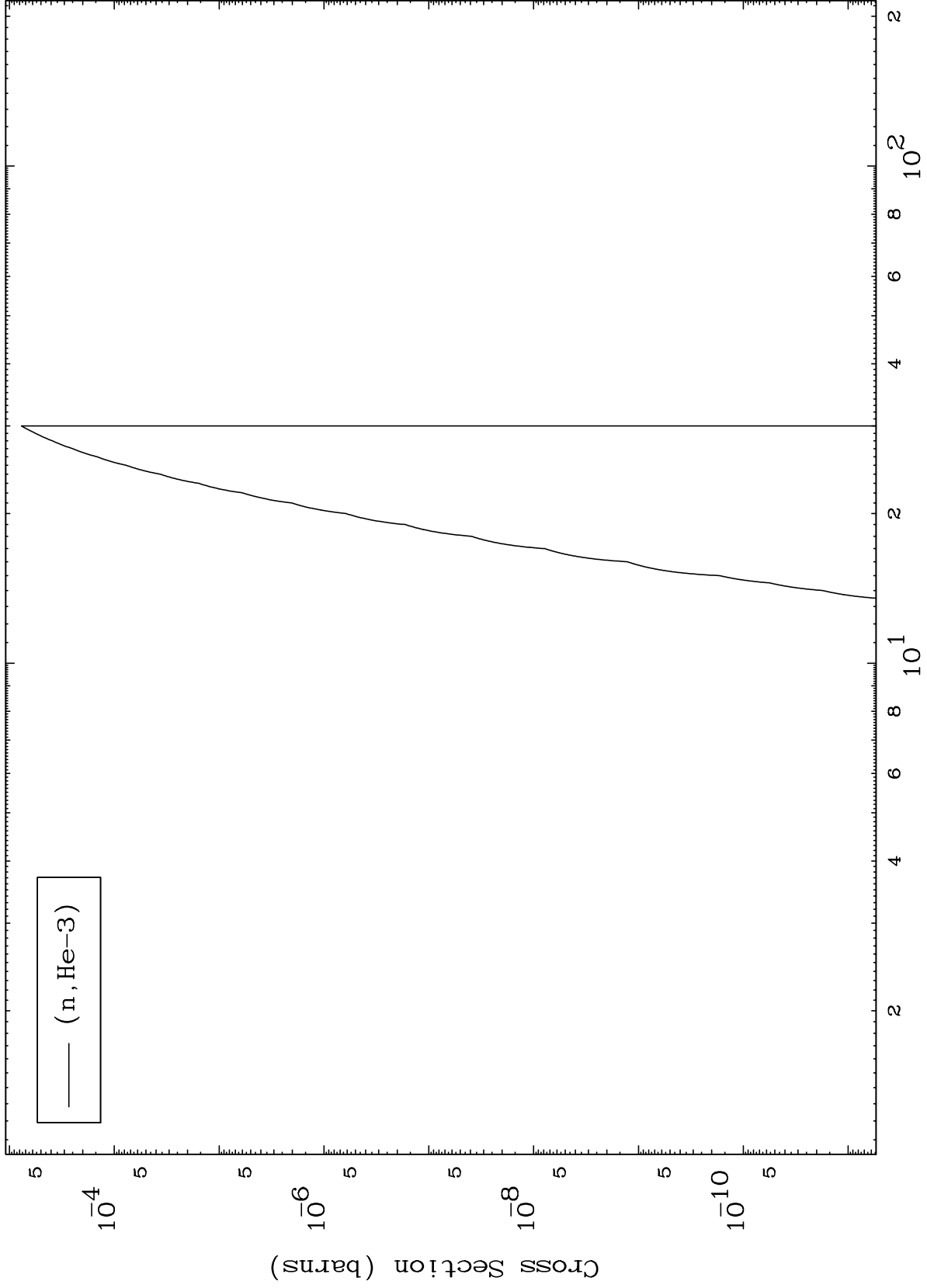
Incident Energy (MeV)

82-Pb-198

MAT 8207

(n,He3) Levels  
293 Kelvin Cross Sections

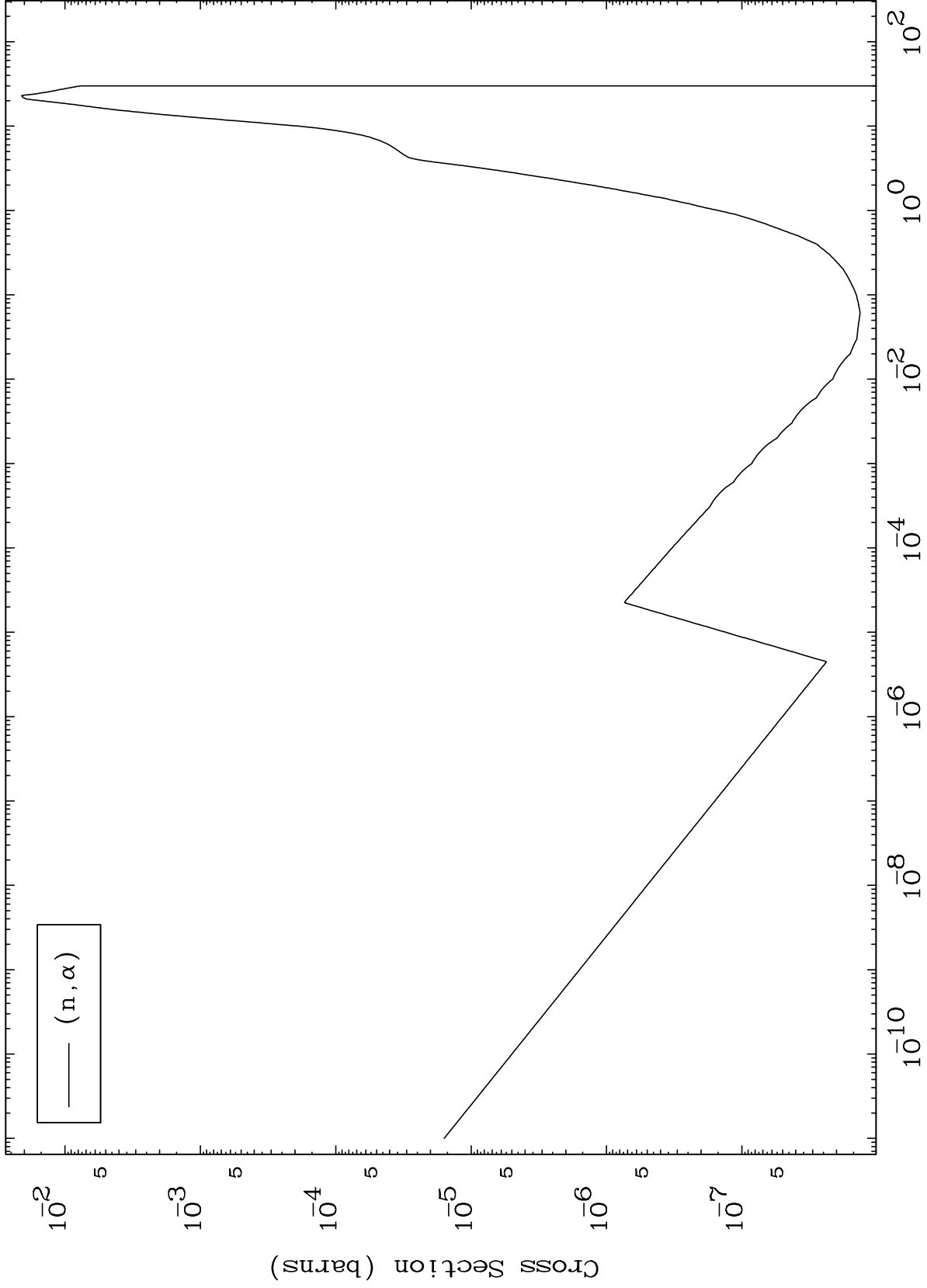
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MAT 8207

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

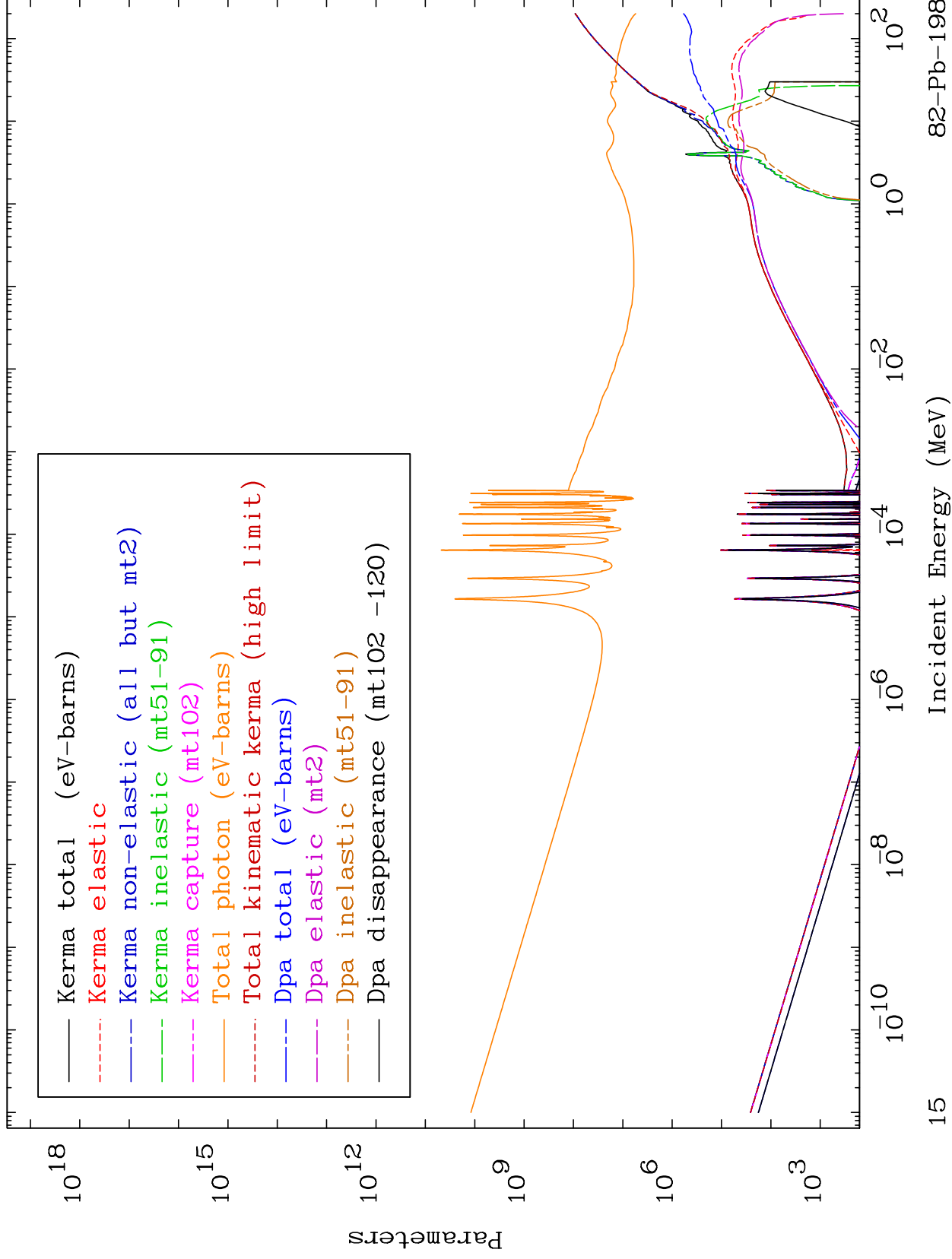
82-Pb-198



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Incident Energy (MeV)

82-Pb-198

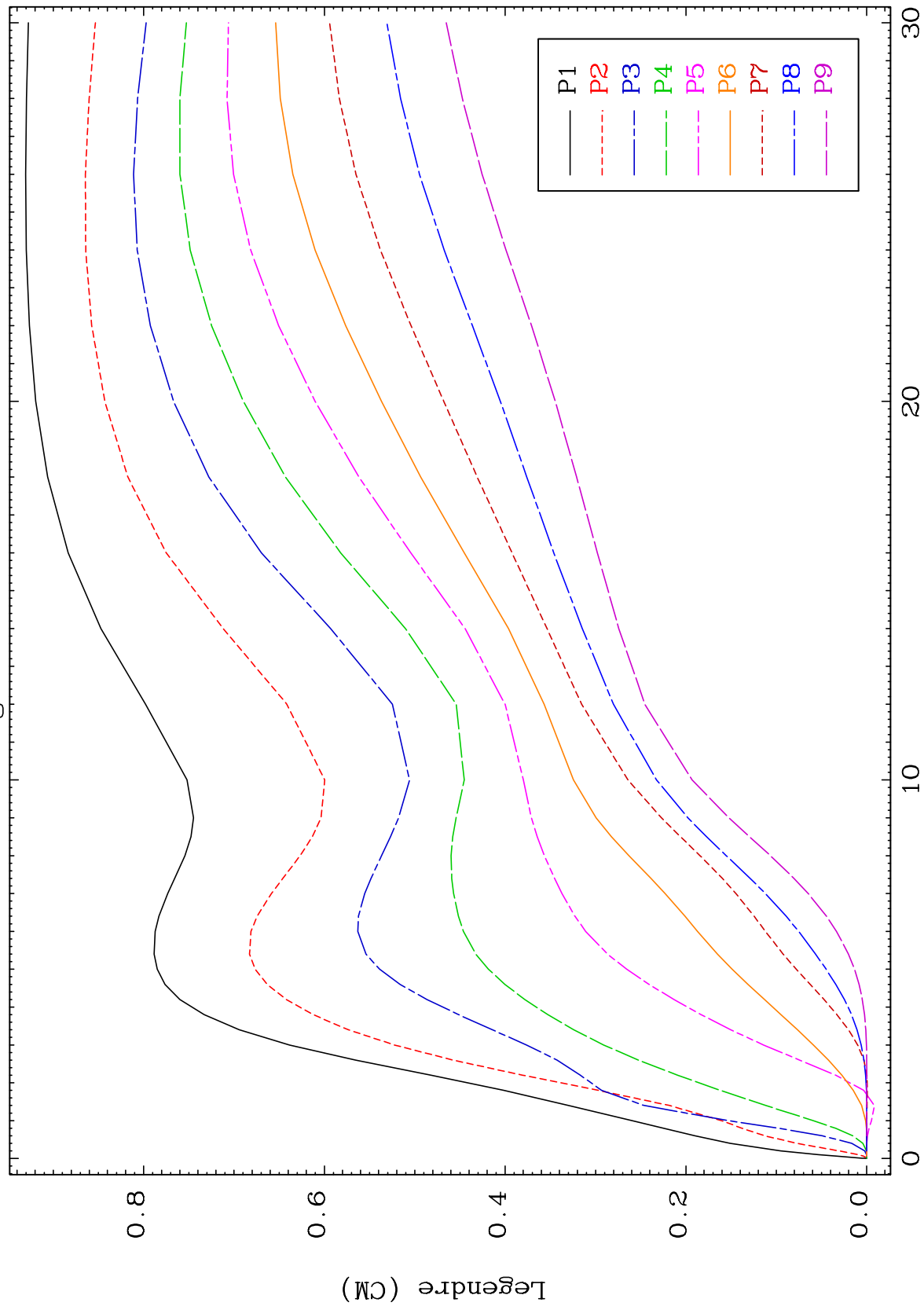




MAT 8207

82-Pb-198

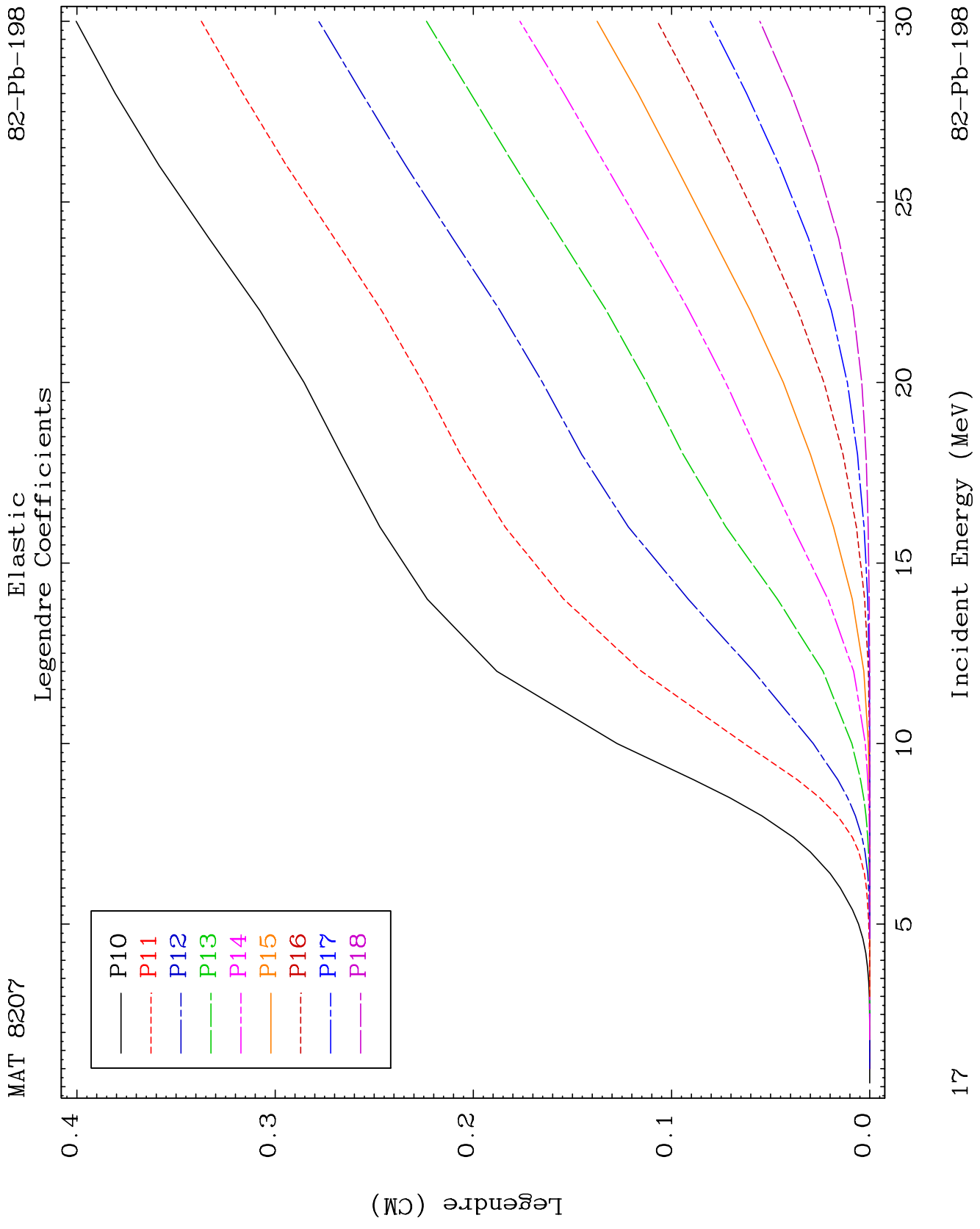
Elastic Legendre Coefficients



82-Pb-198

Incident Energy (MeV)

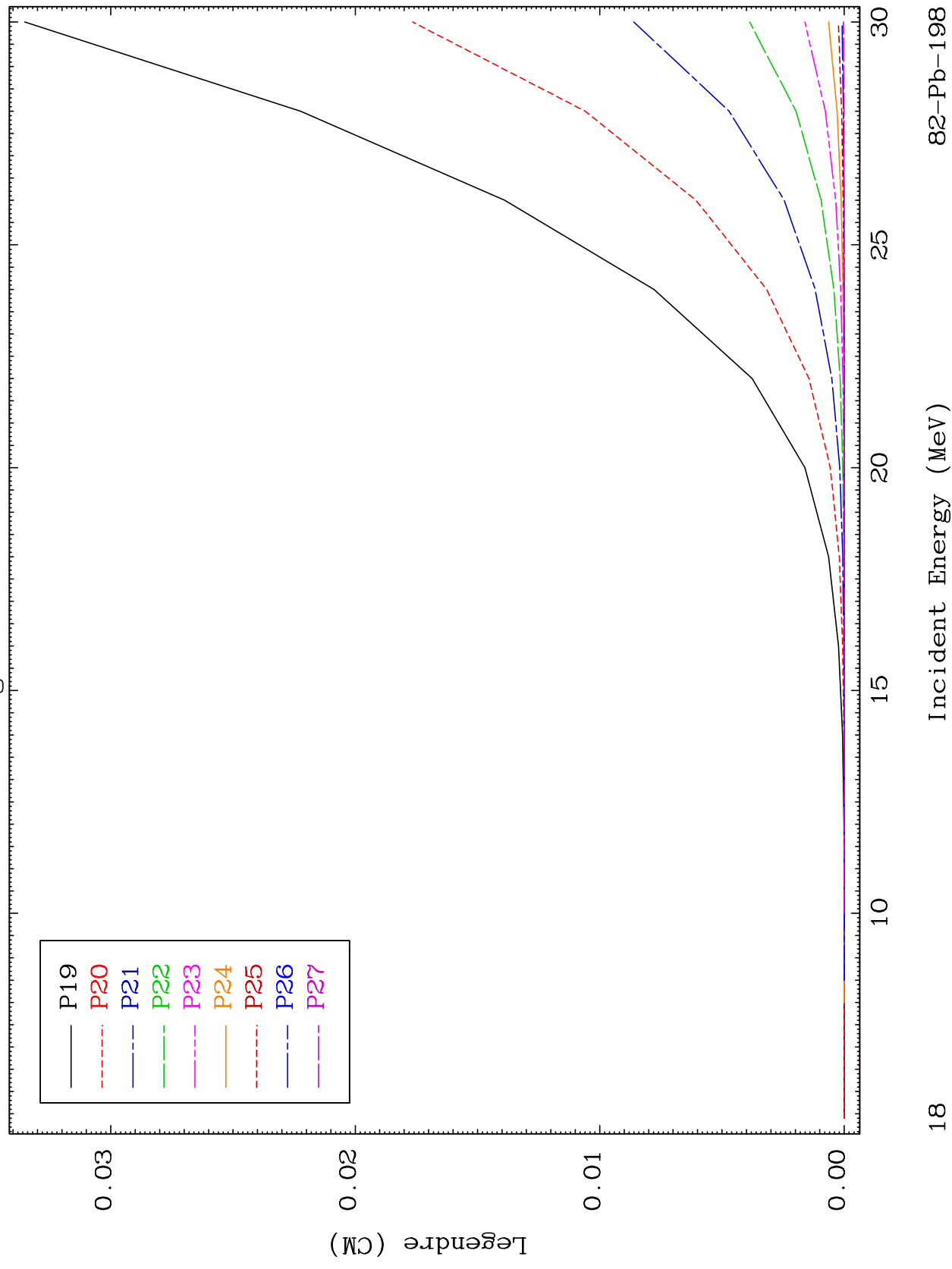
16



MAT 8207

Elastic Legendre Coefficients

82-Pb-198



18

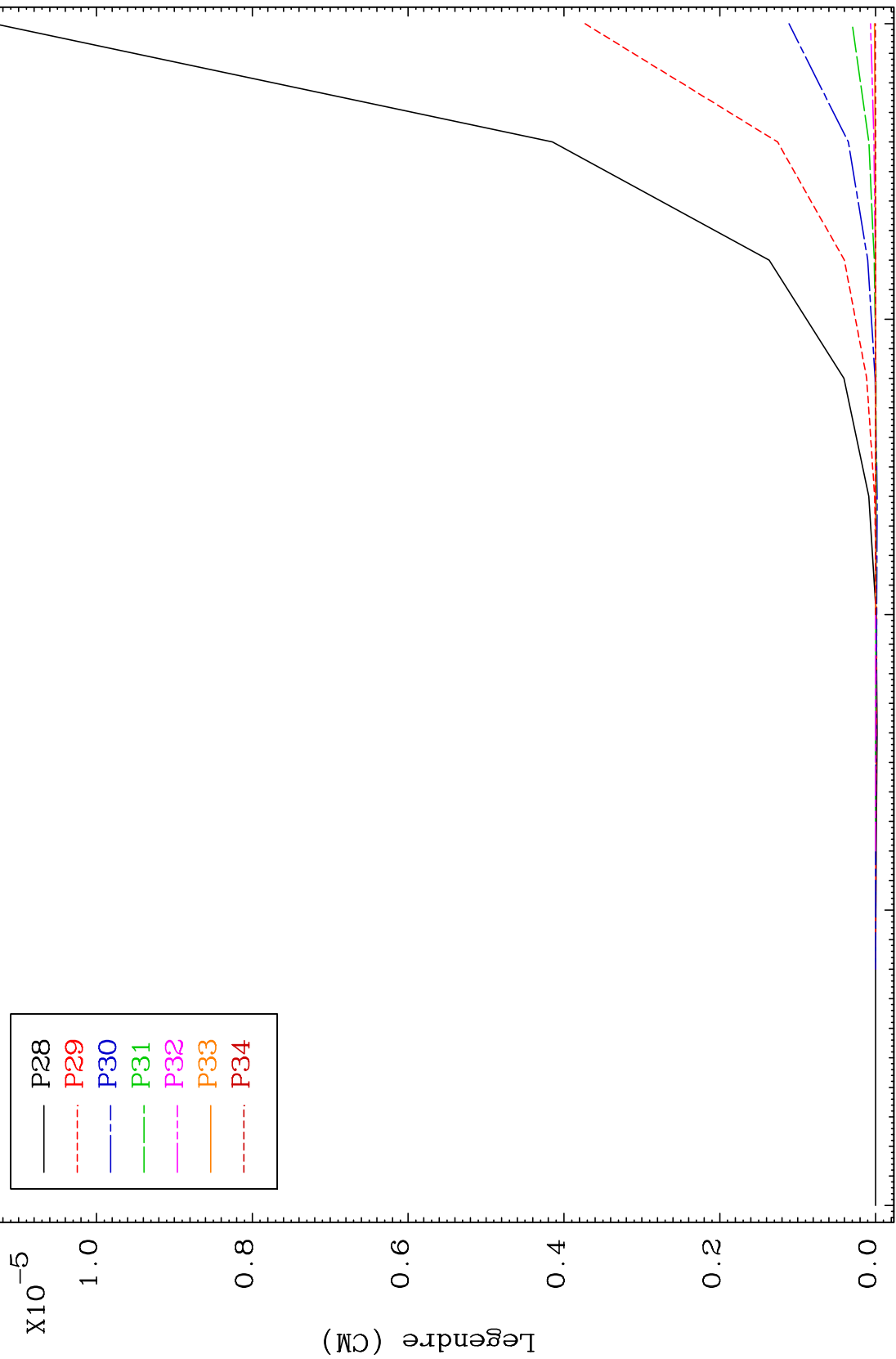
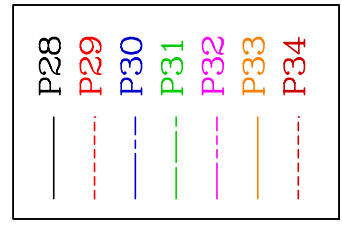
Incident Energy (MeV)

82-Pb-198

MAT 8207

Elastic Legendre Coefficients

82-Pb-198



19

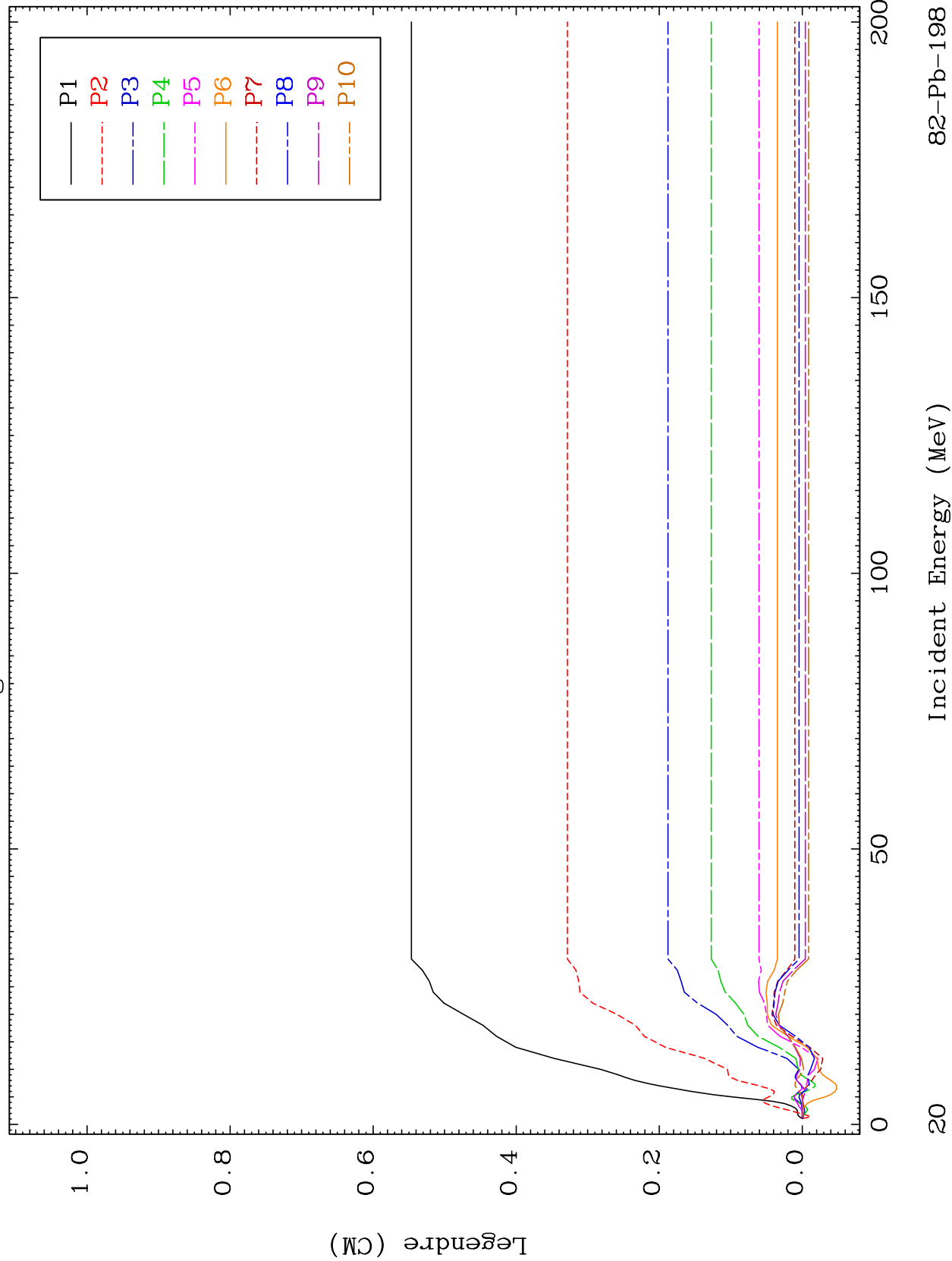
Incident Energy (MeV)

82-Pb-198

MAT 8207

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

82-Pb-198



82-Pb-198

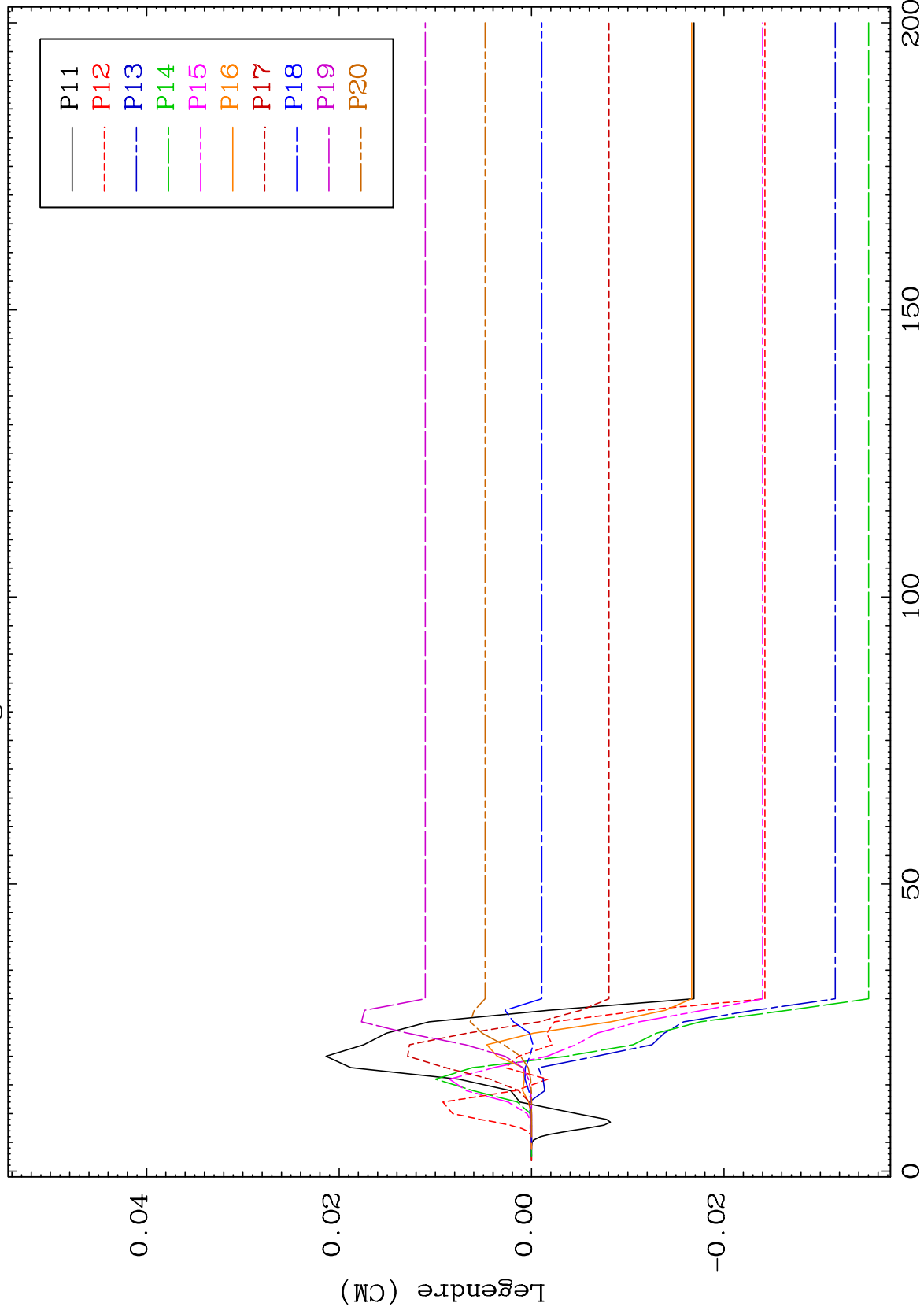
Incident Energy (MeV)

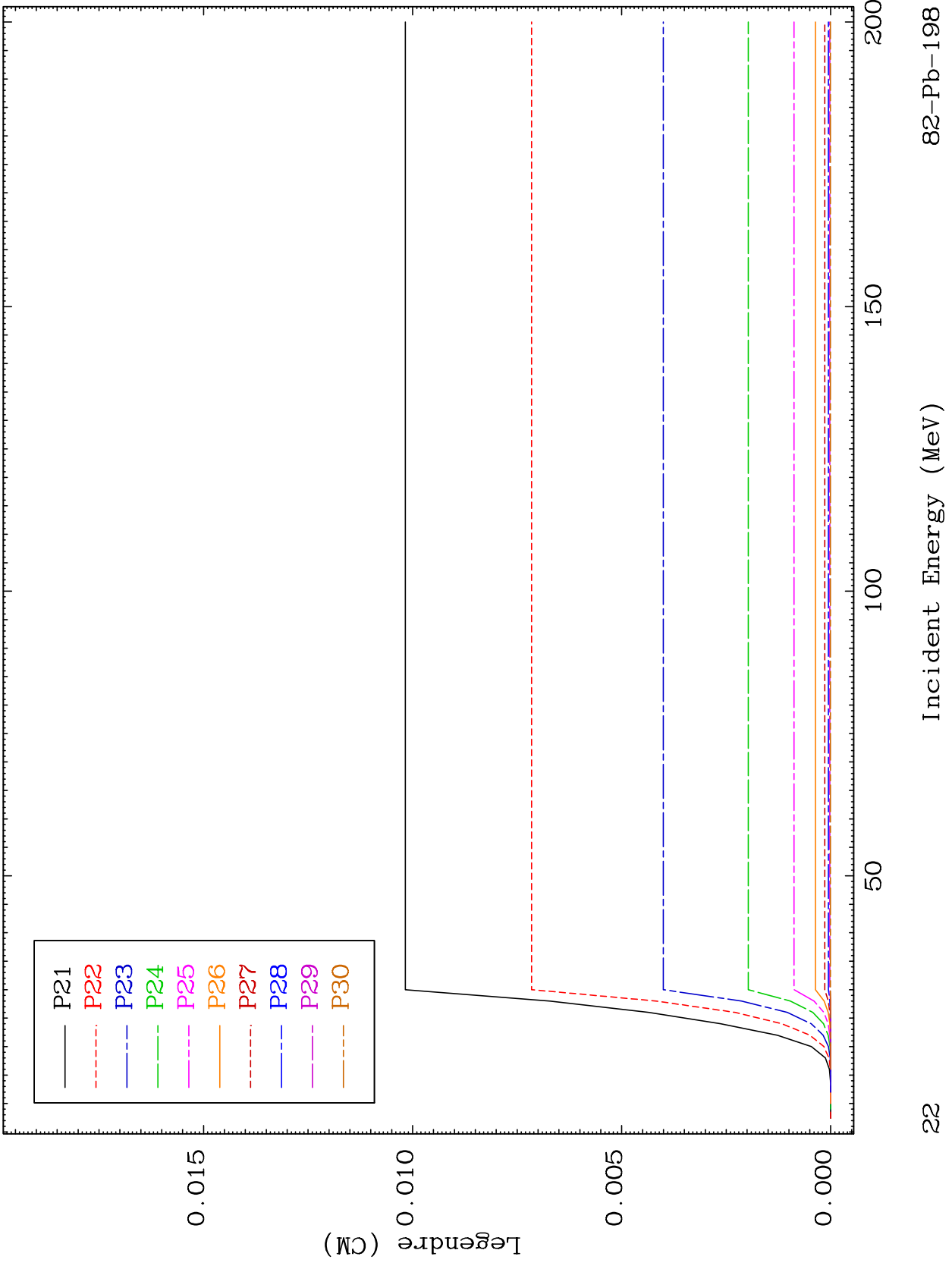
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MAT 8207

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

82-Pb-198

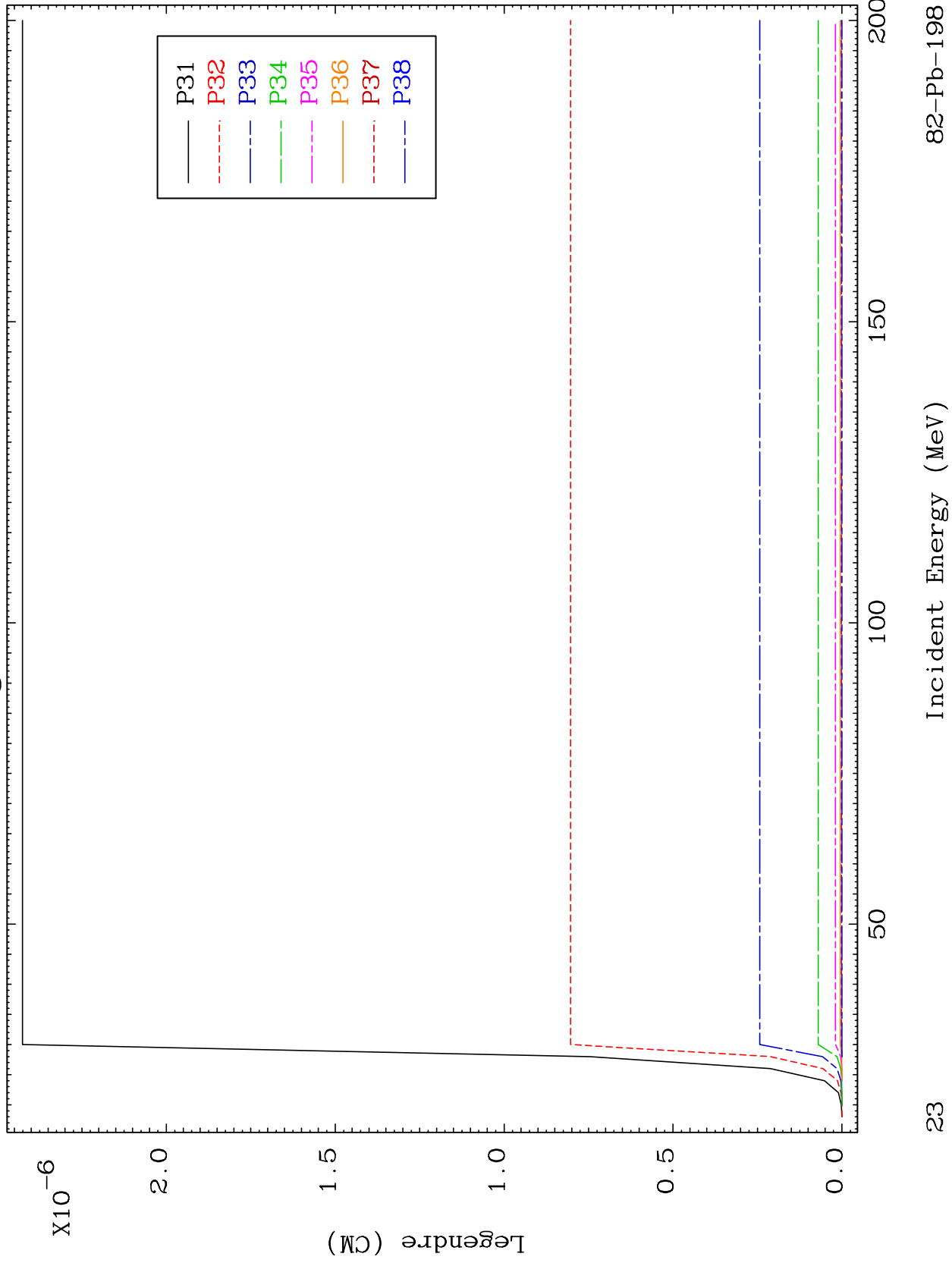




MAT 8207

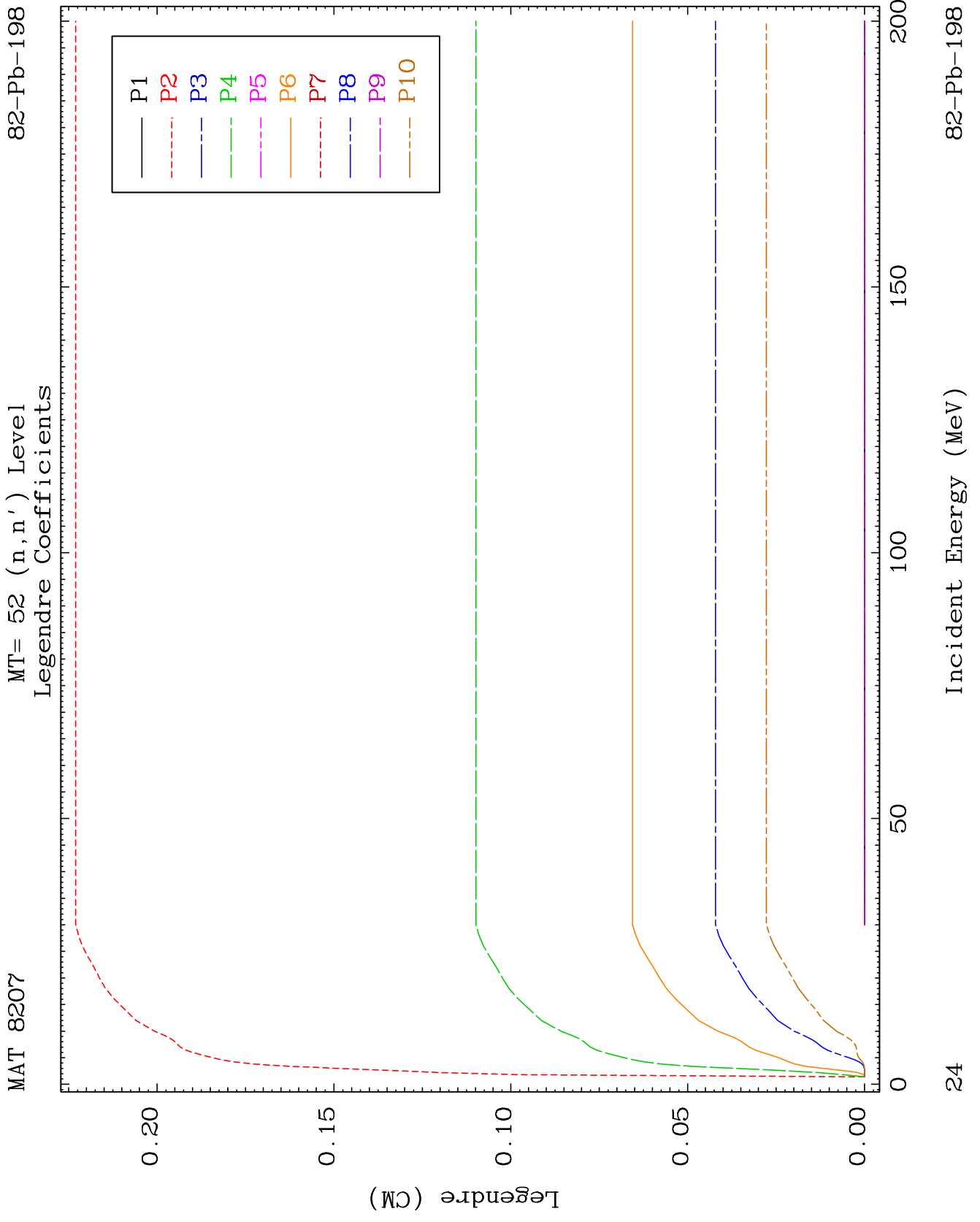
MT= 51 (n,n') Level  
Legendre Coefficients

82-Pb-198



23

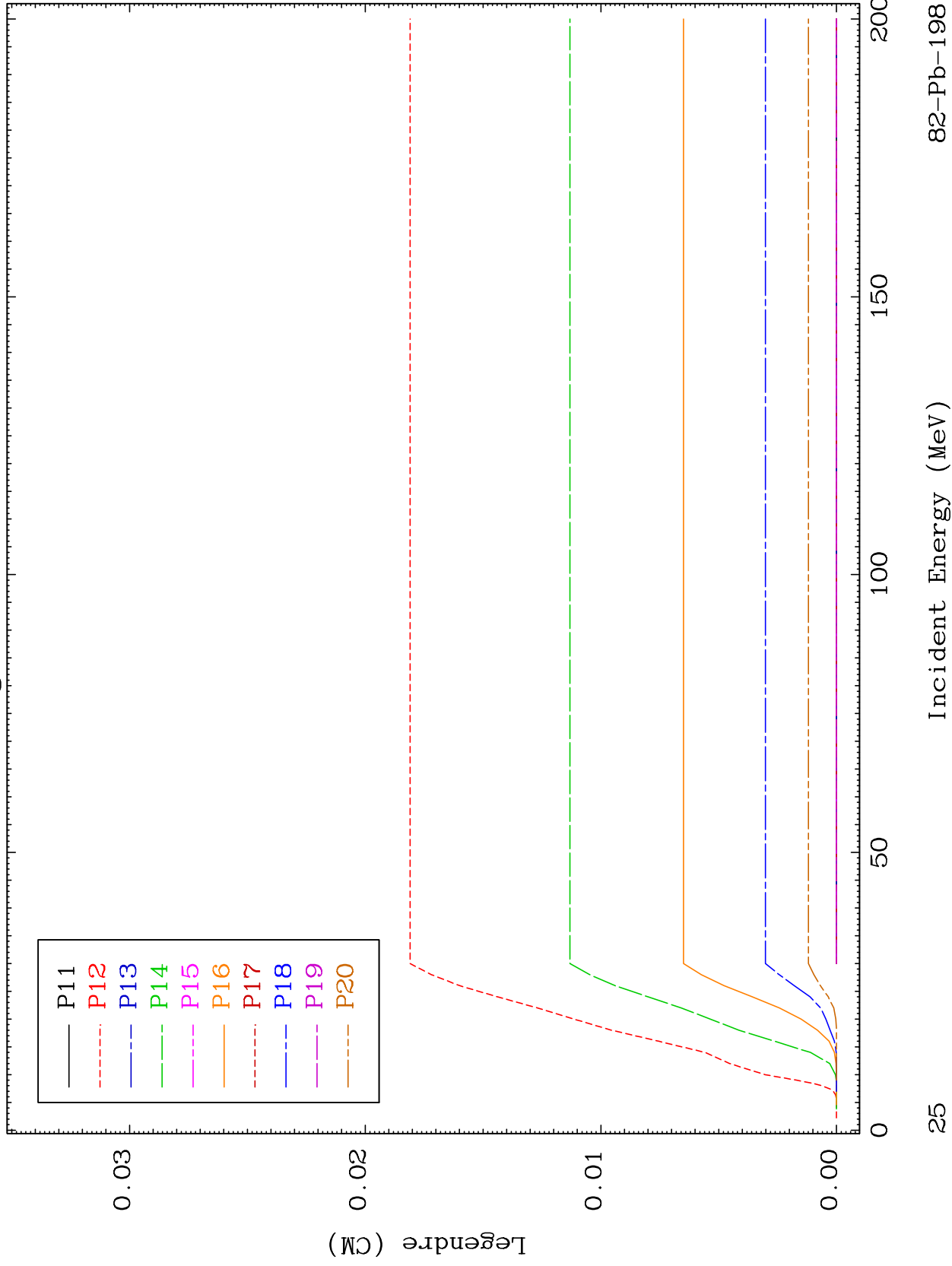




MAT 8207

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

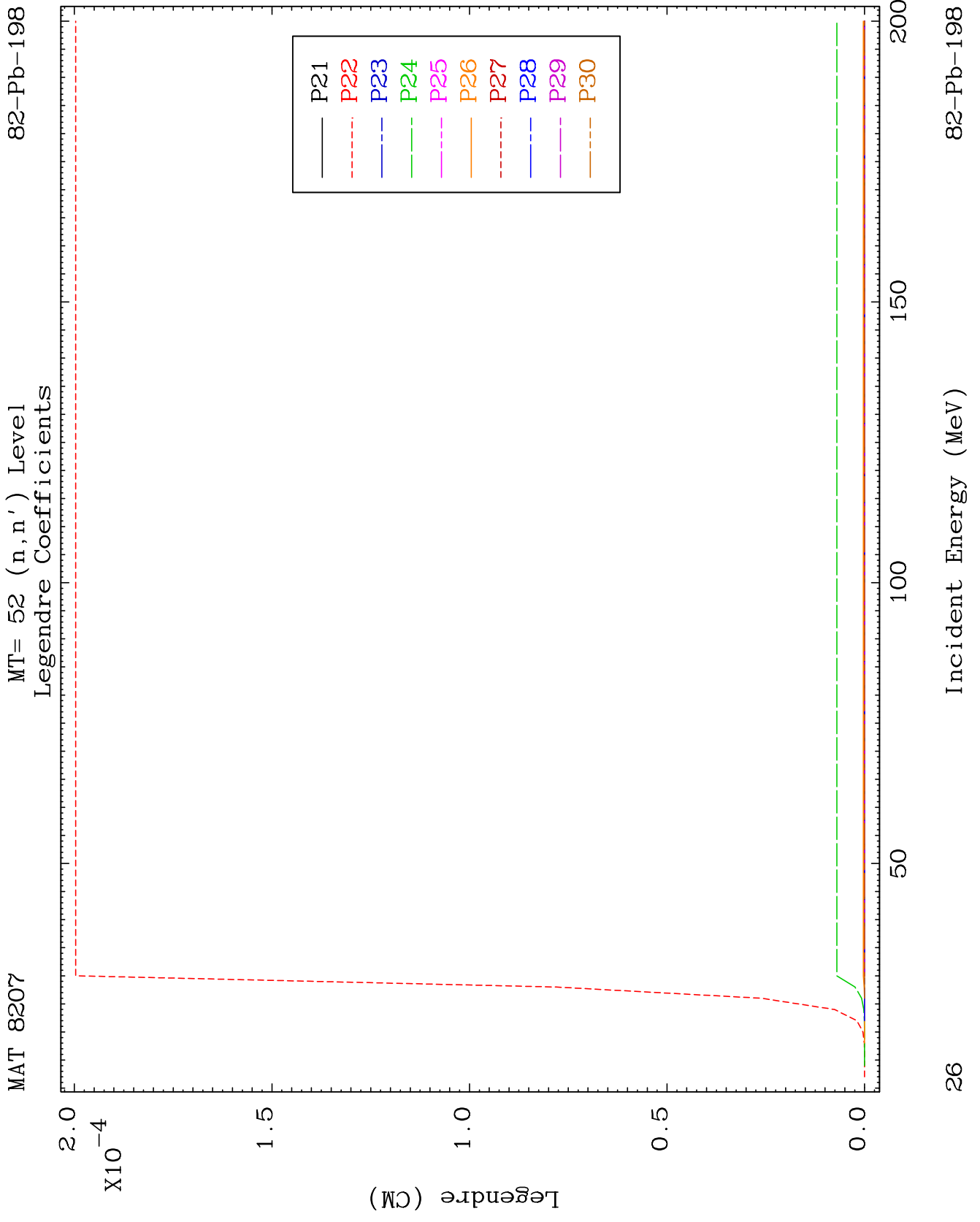
82-Pb-198



82-Pb-198

Incident Energy (MeV)

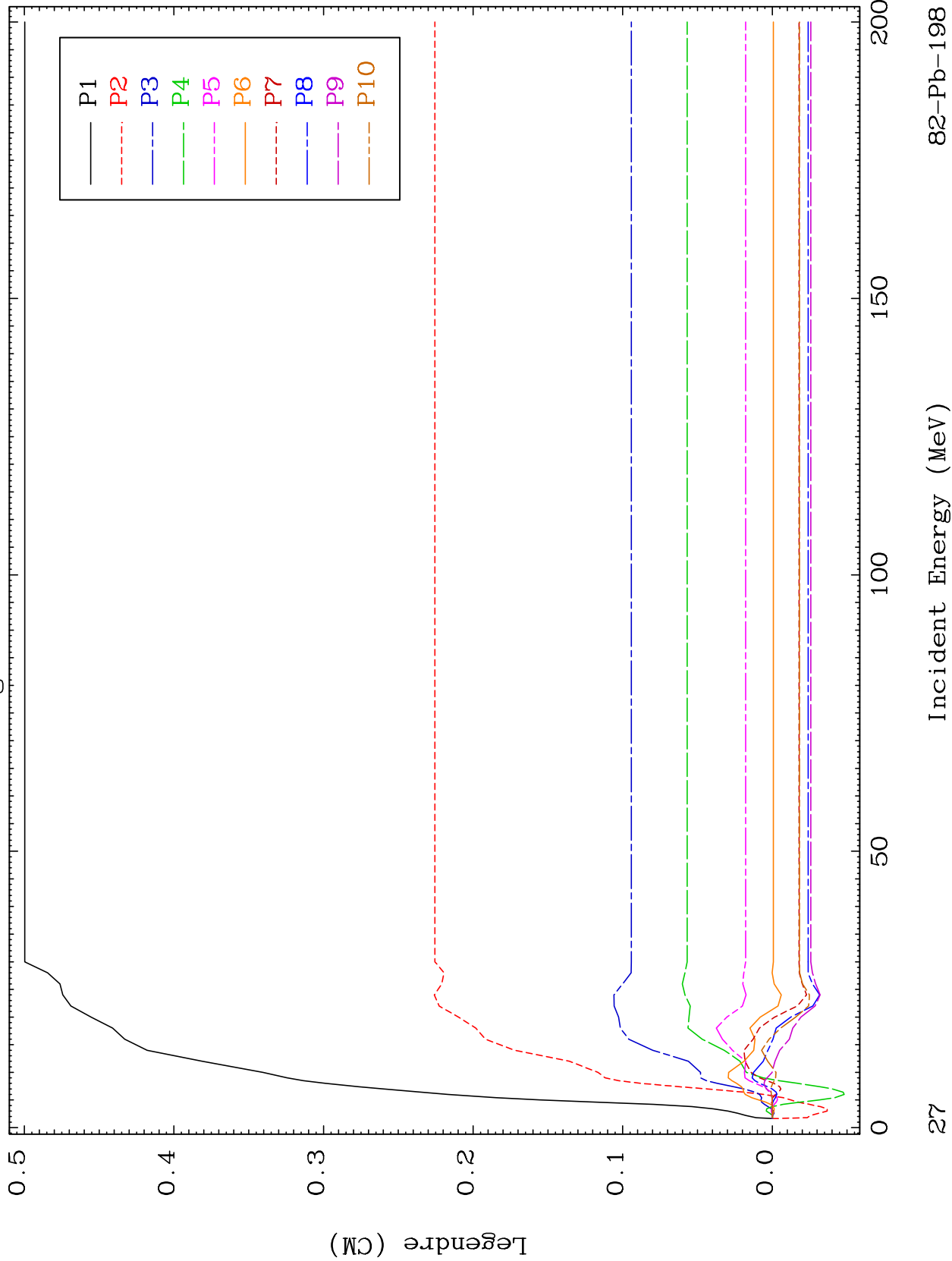
25



MAT 8207

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

82-Pb-198



27

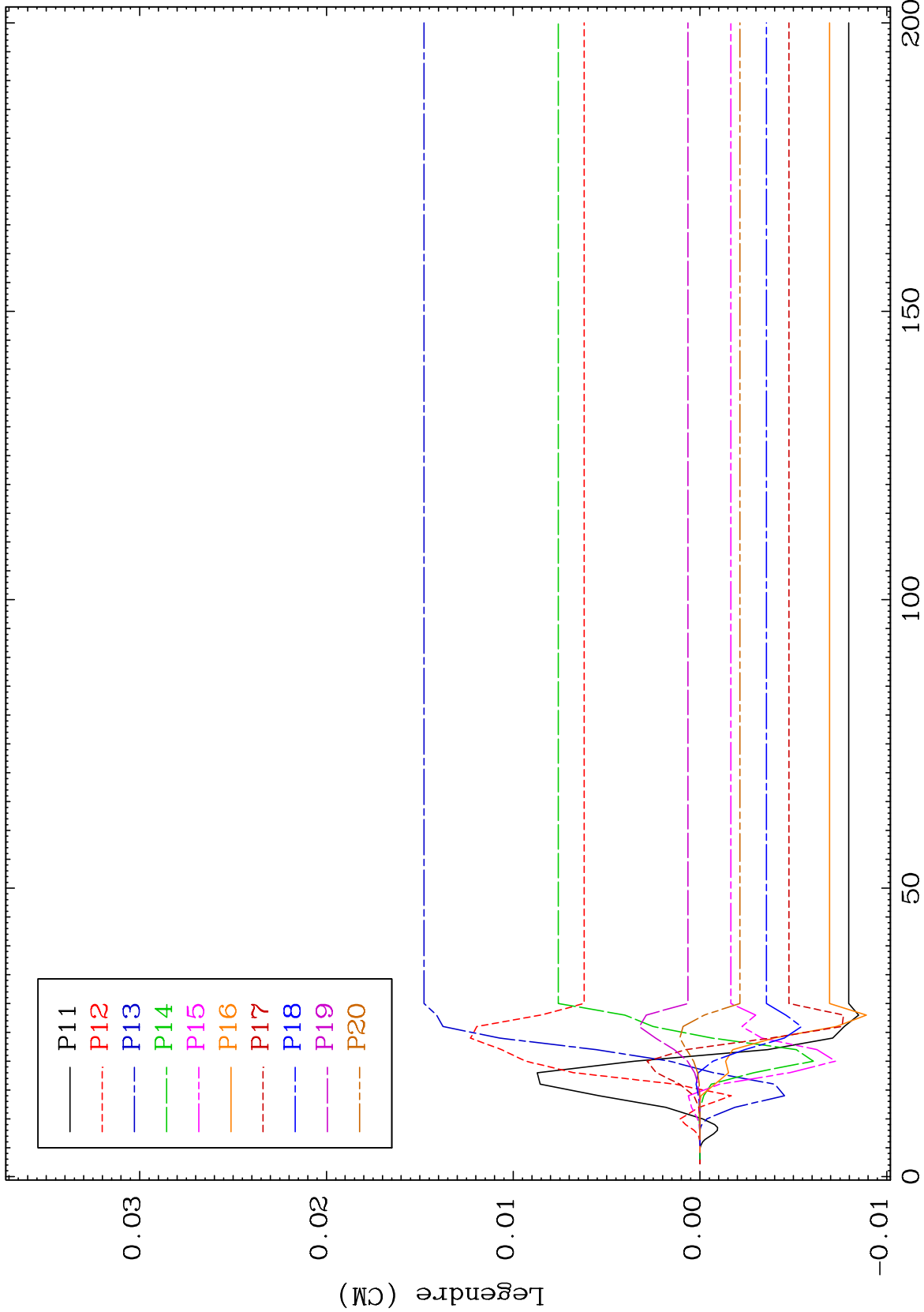
Incident Energy (MeV)

82-Pb-198

MAT 8207

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

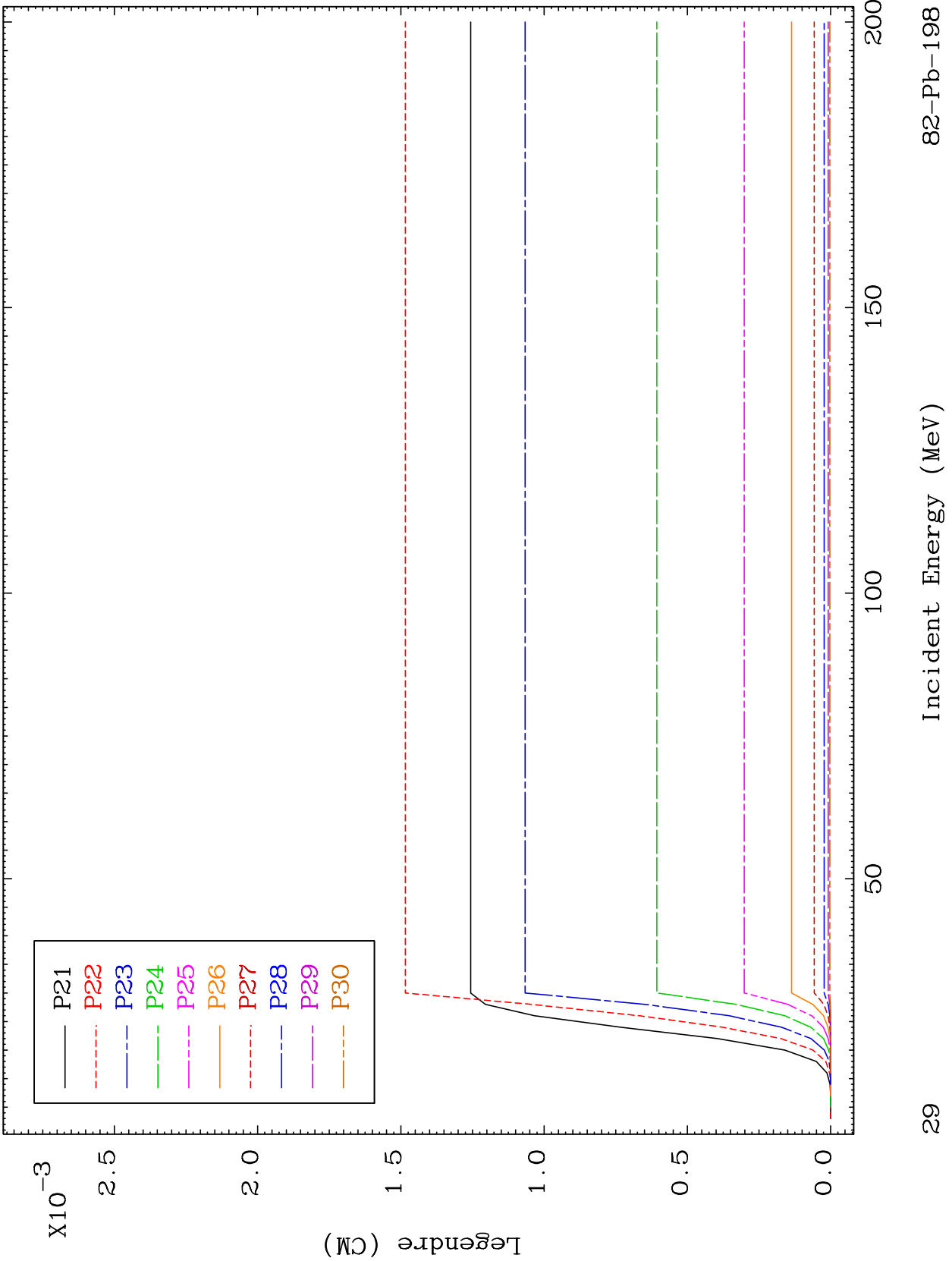
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28

Incident Energy (MeV)

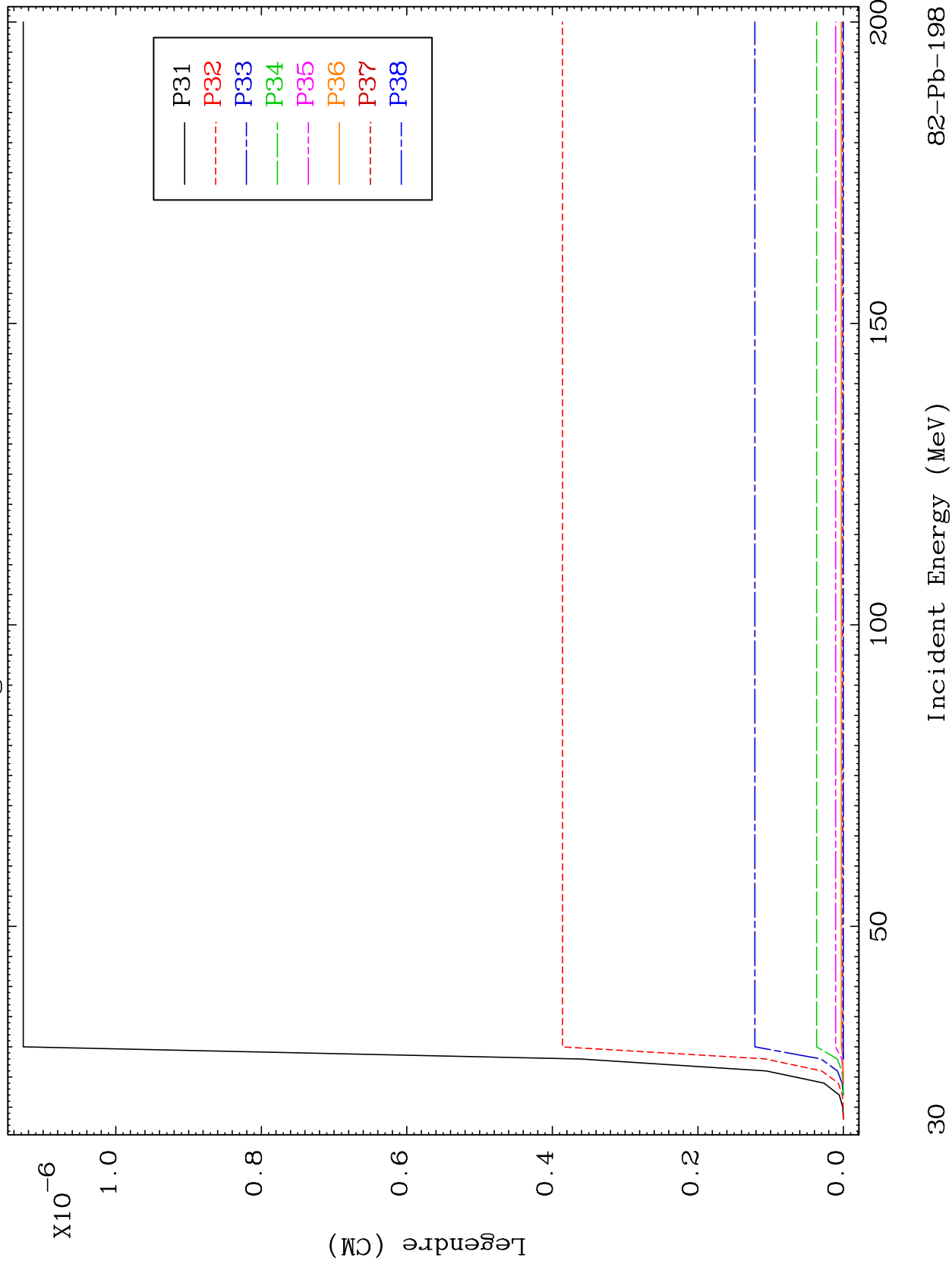
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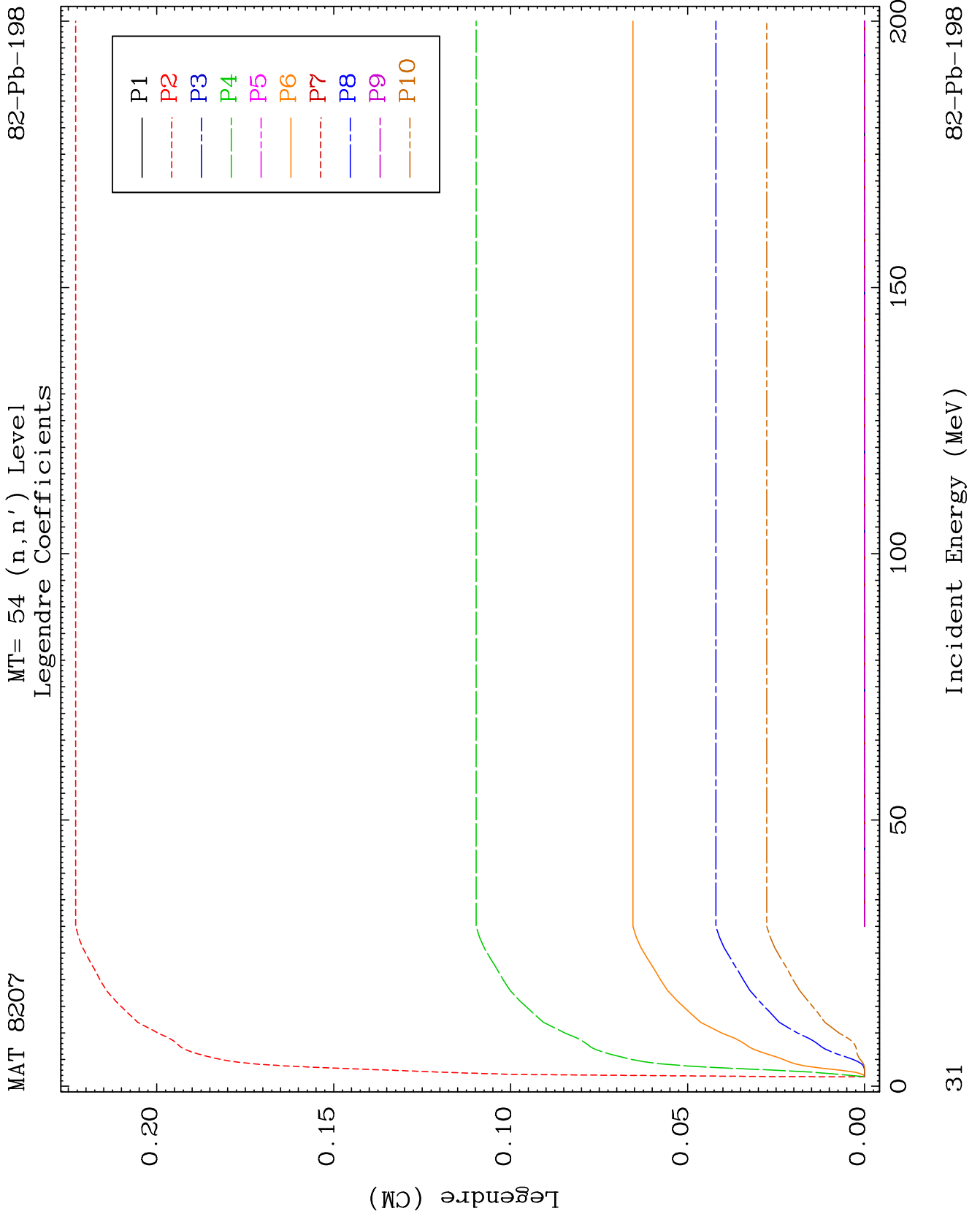


MAT 8207

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

82-Pb-198



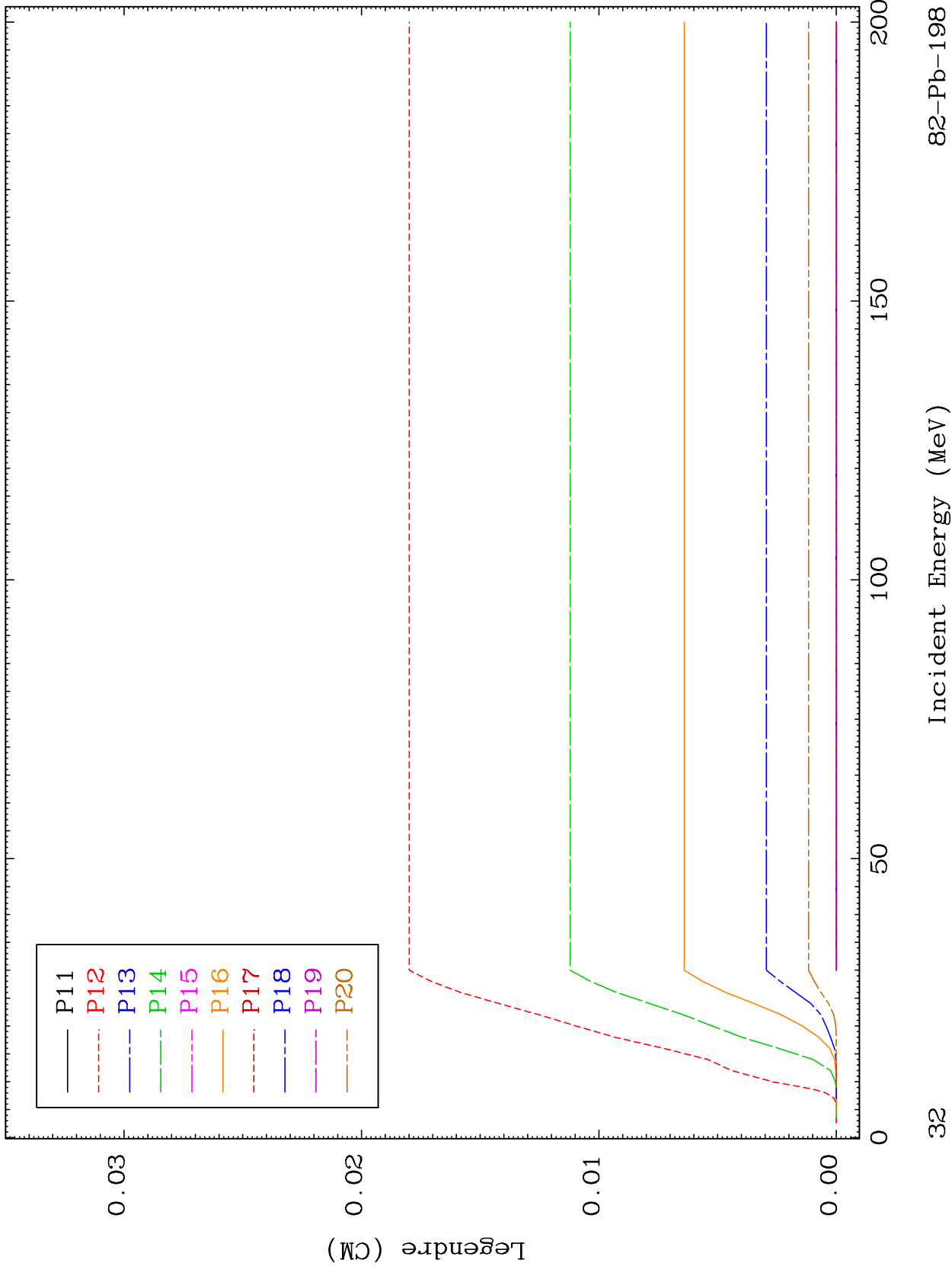




MAT 8207

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

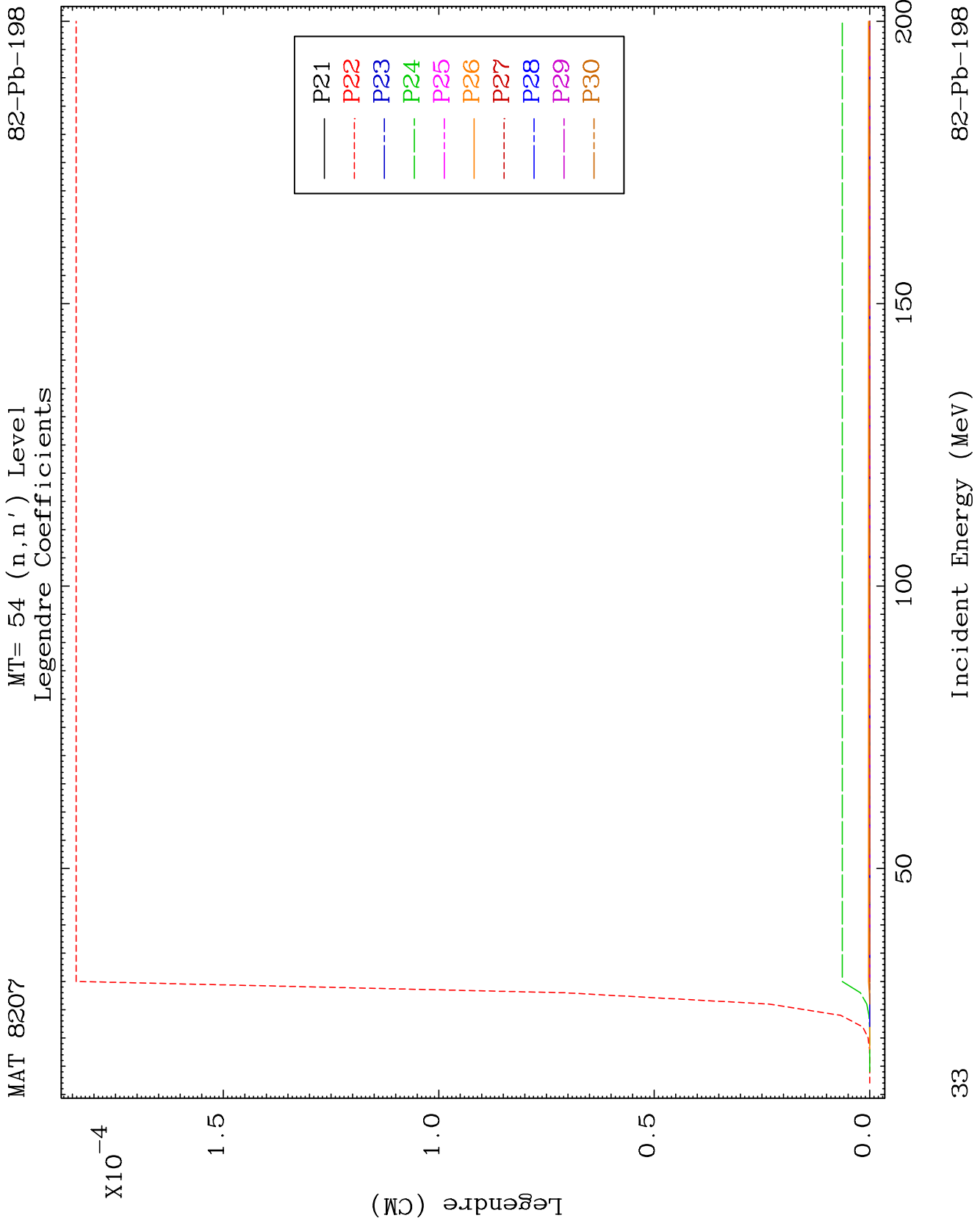
82-Pb-198



32

Incident Energy (MeV)

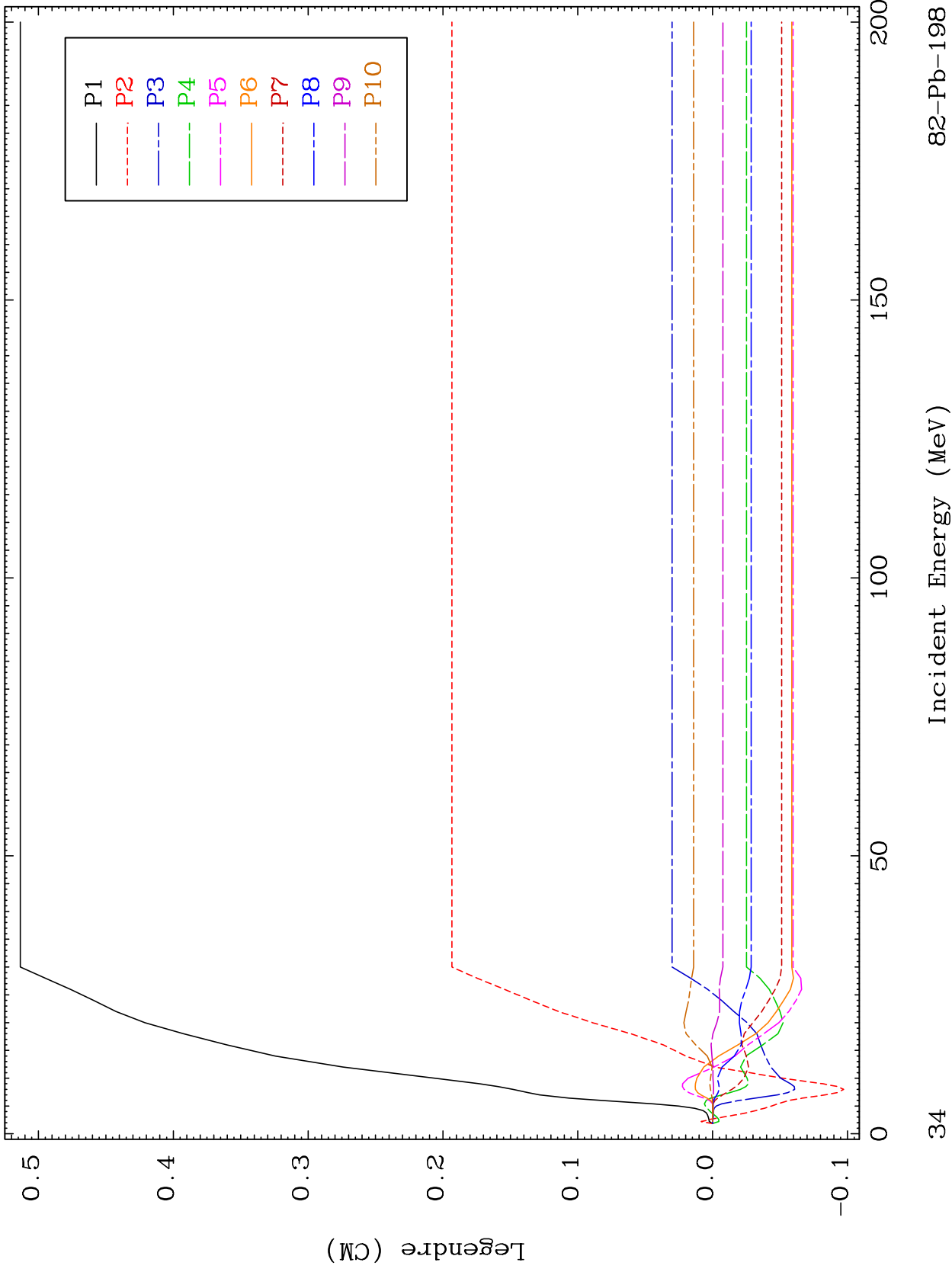
82-Pb-198



MAT 8207

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

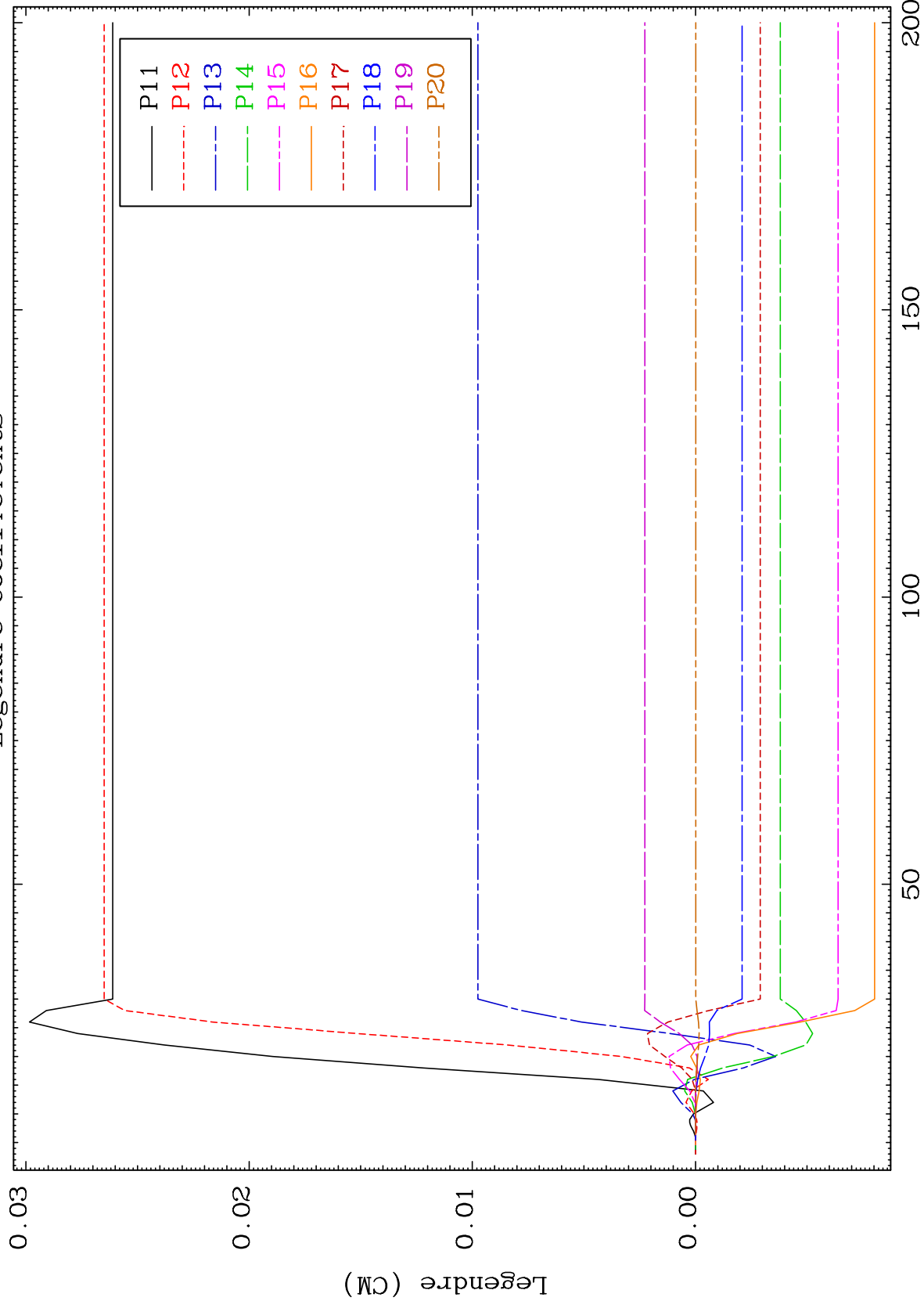
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MAT 8207

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

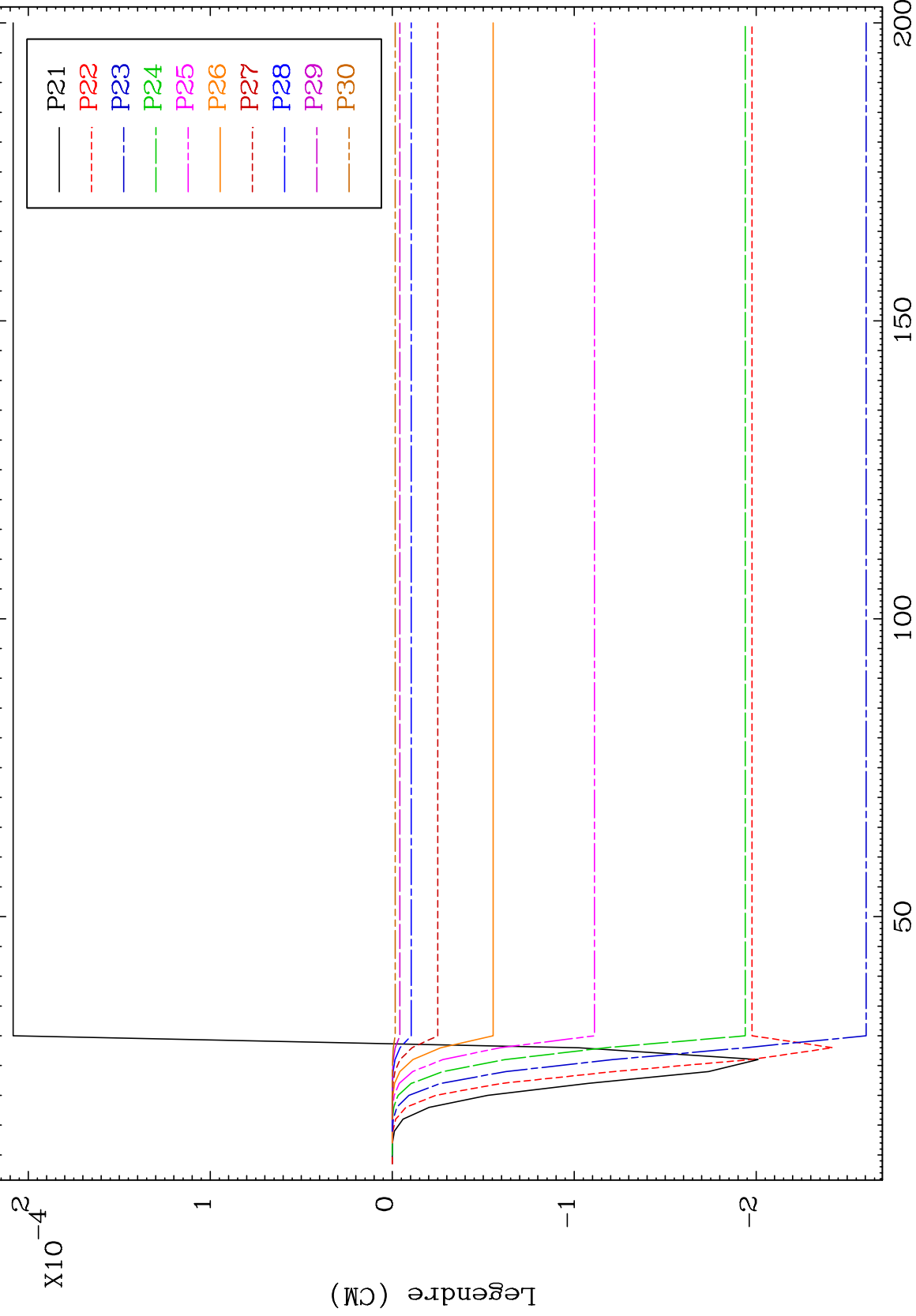
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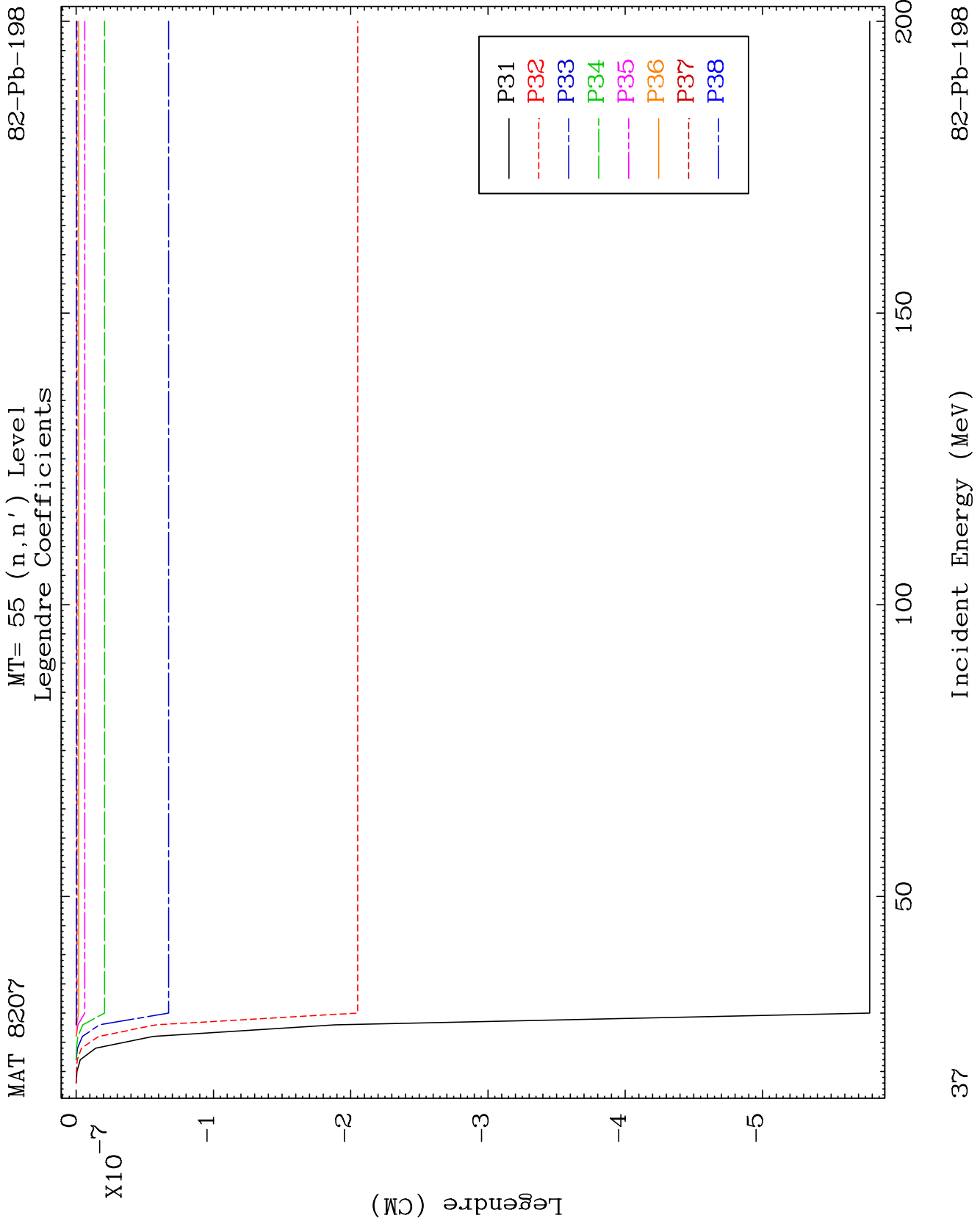


35

Incident Energy (MeV)

82-Pb-198

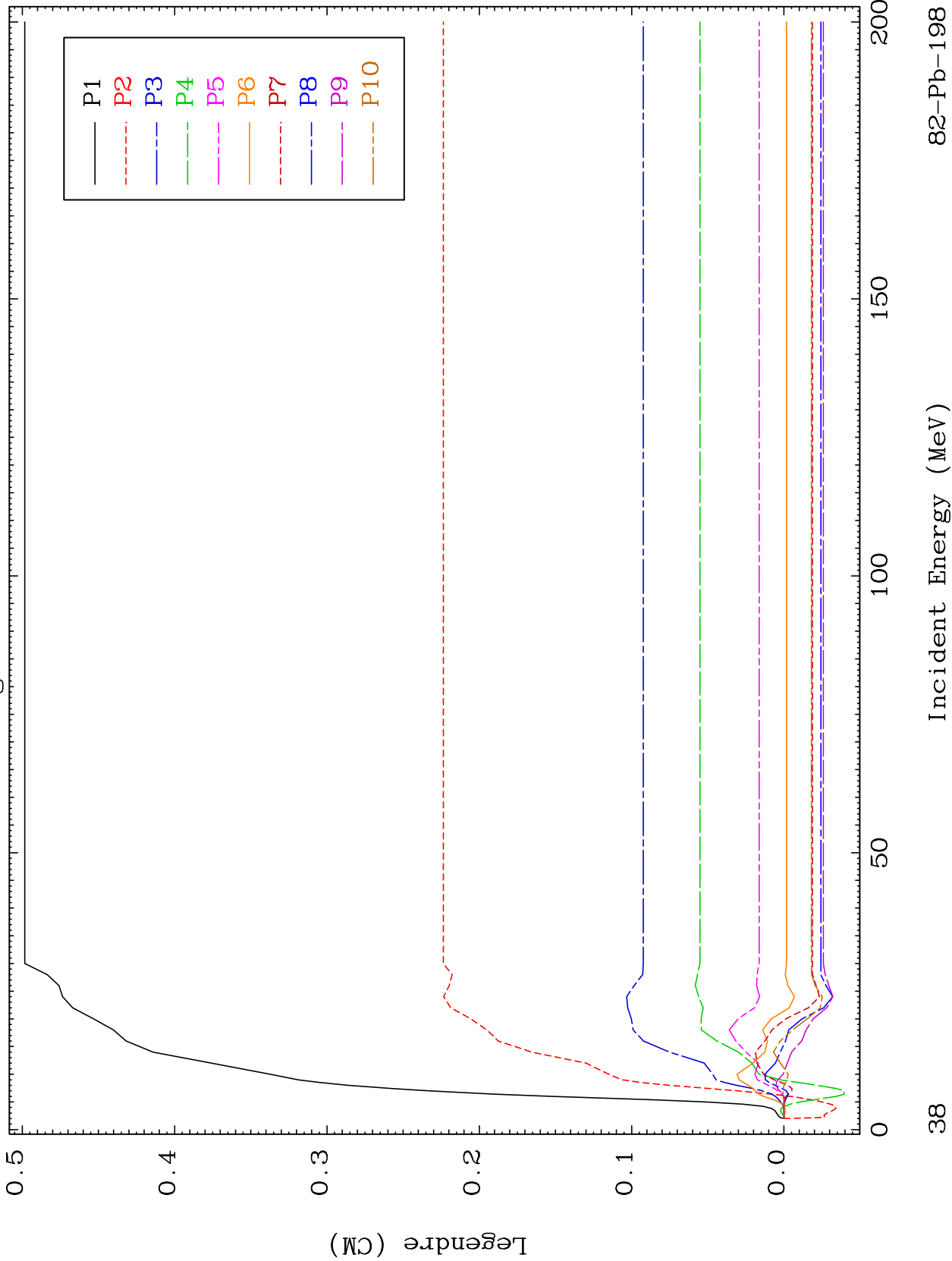




MAT 8207

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

82-Pb-198

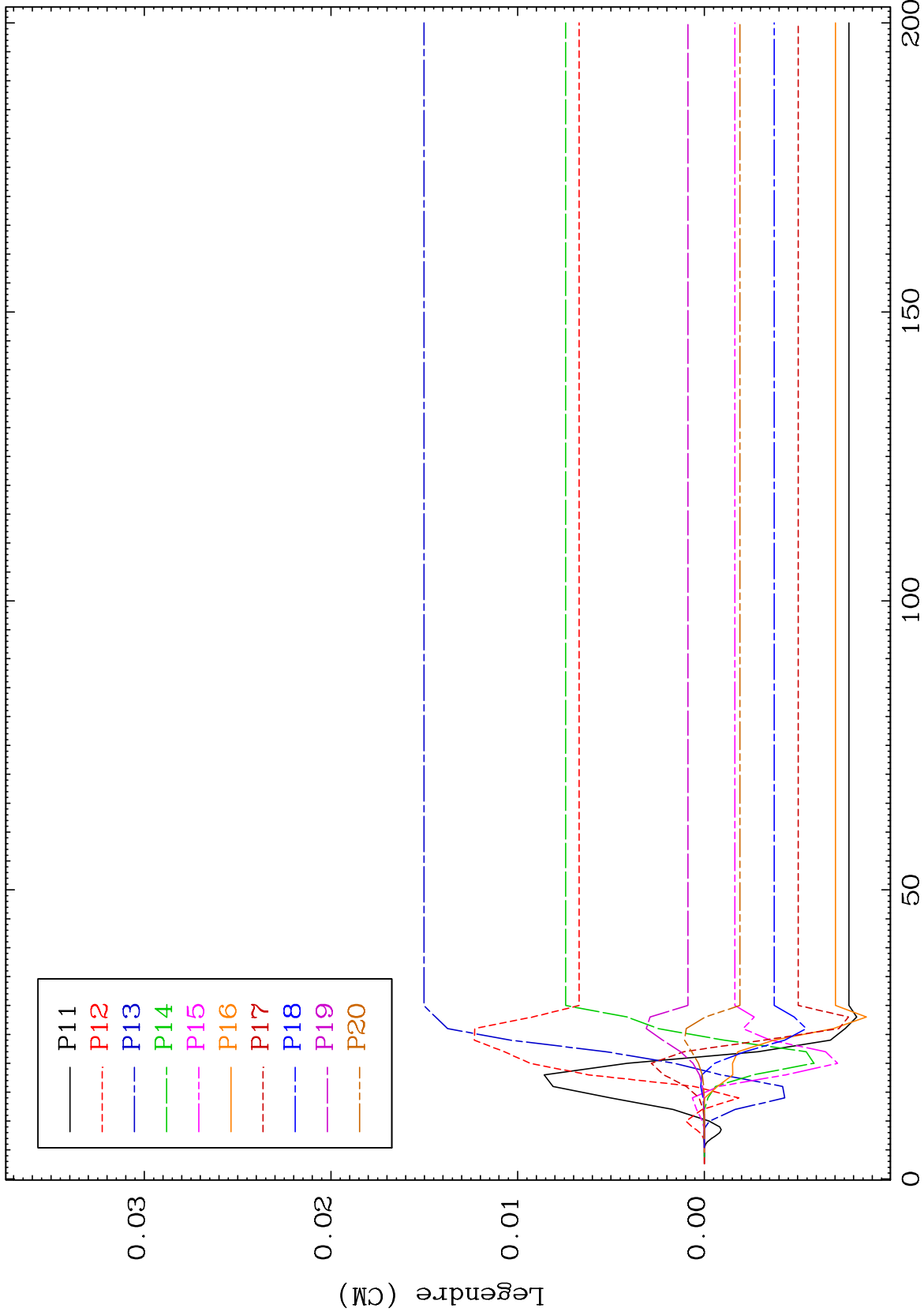


38

MAT 8207

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

82-Pb-198



39

Incident Energy (MeV)

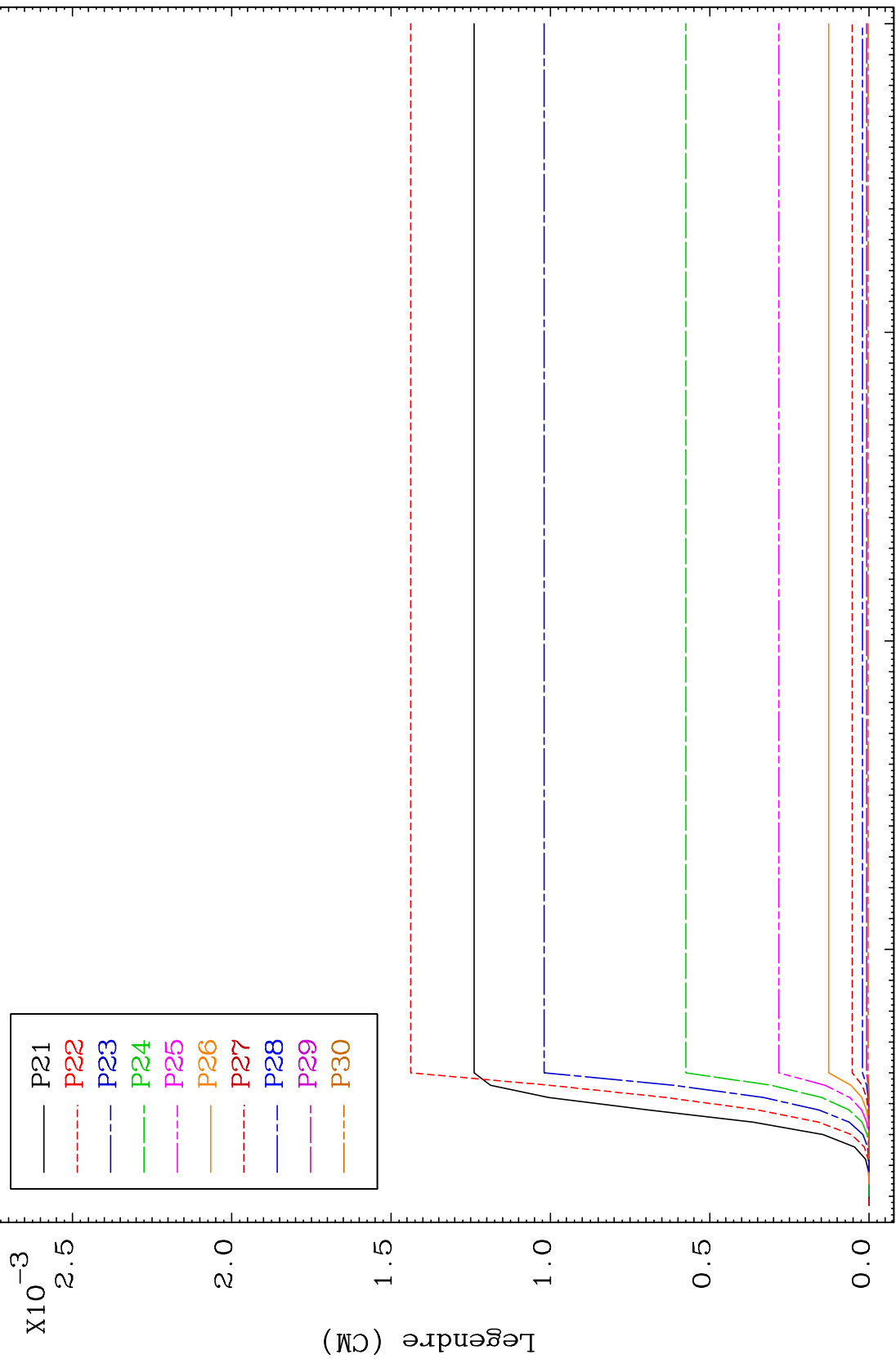
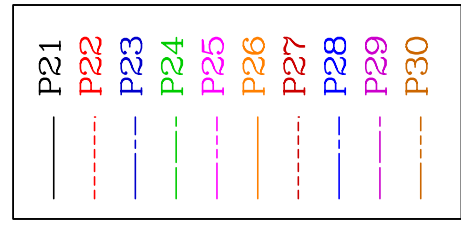
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MAT 8207

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

82-Pb-198



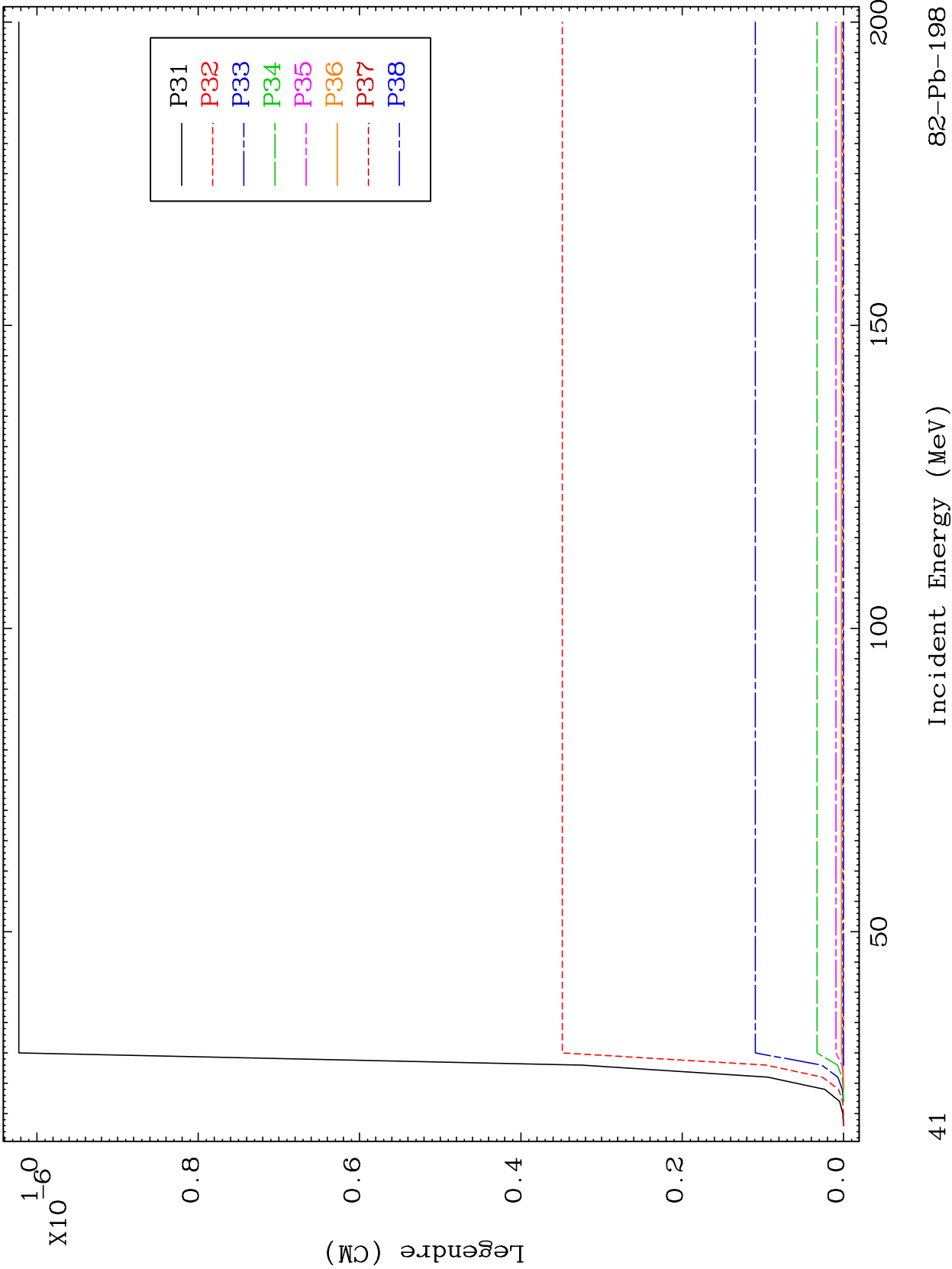
40

Incident Energy (MeV)

100

200

82-Pb-198



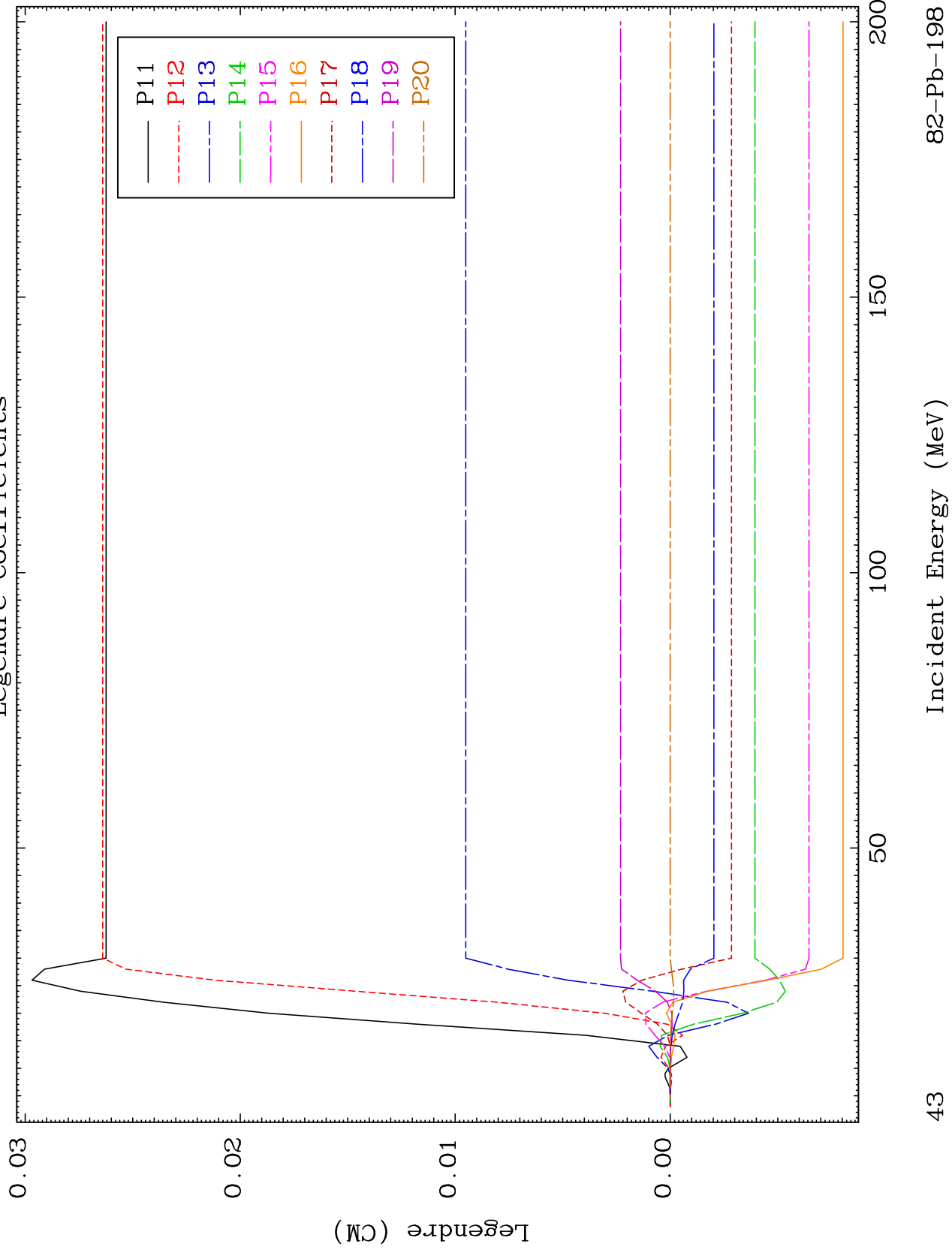


MAT 8207

MT= 57 (n,n') Level

82-Pb-198

Legendre Coefficients



43

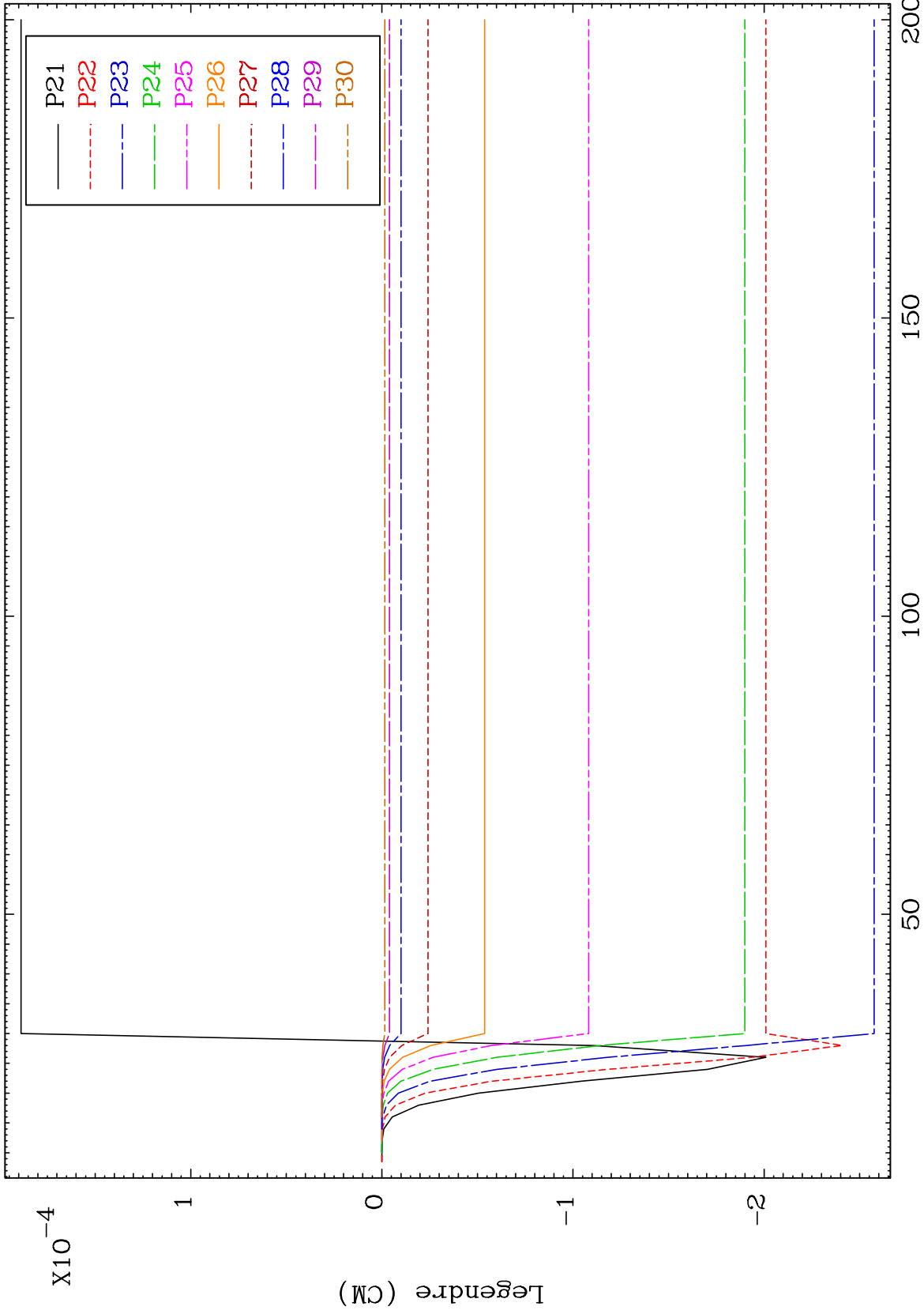
Incident Energy (MeV)

82-Pb-198

MAT 8207

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

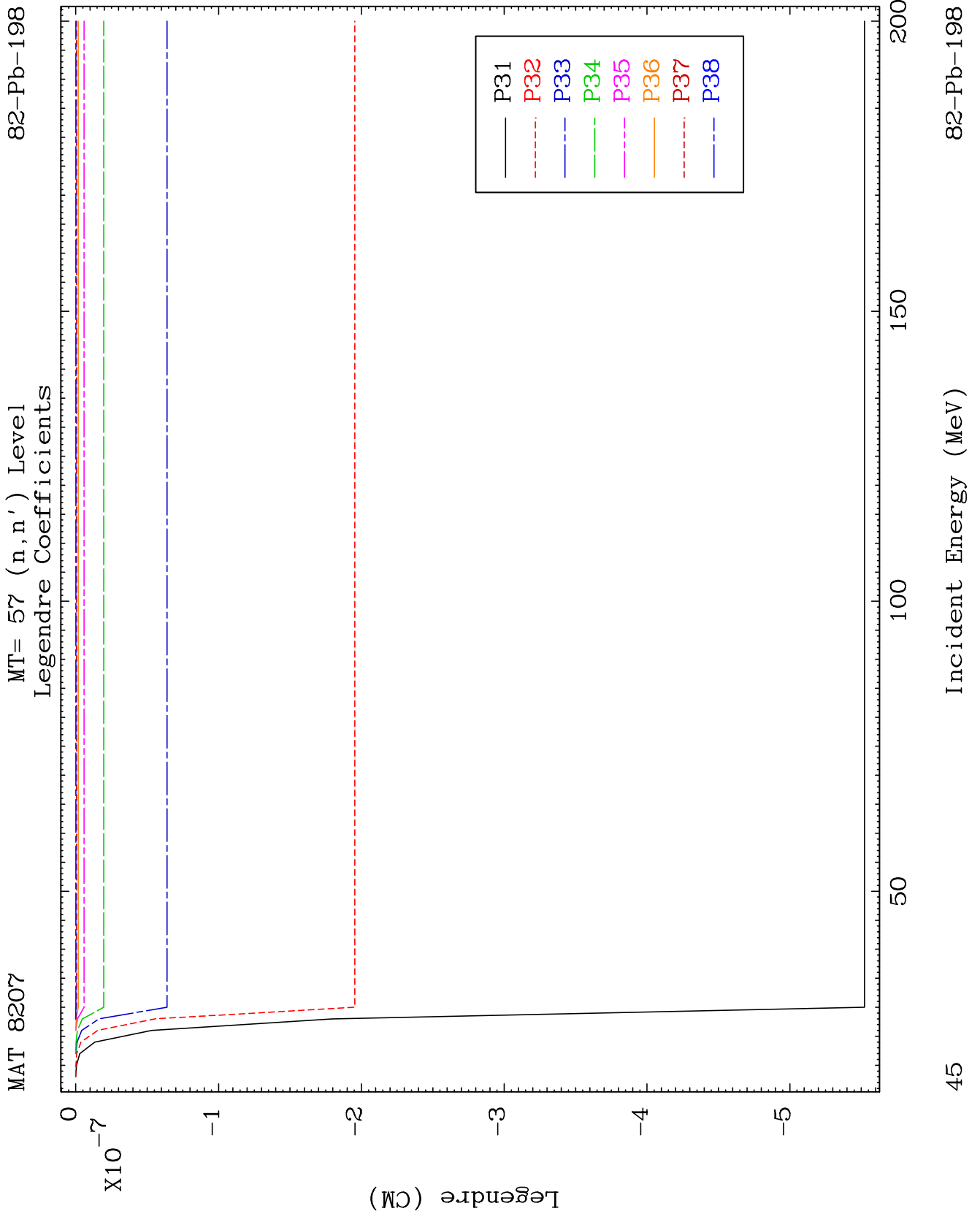
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44

Incident Energy (MeV)

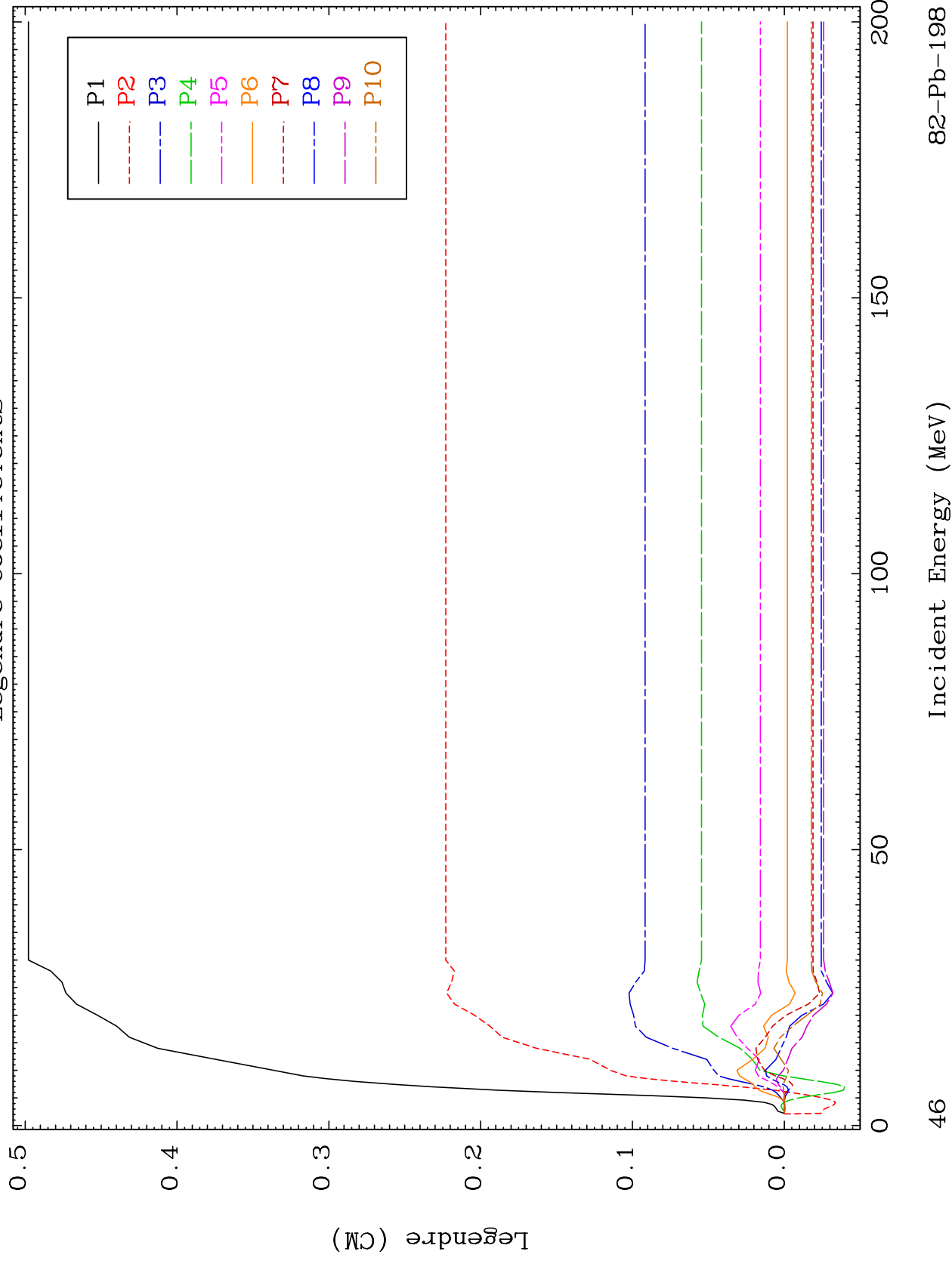
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MAT 8207

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

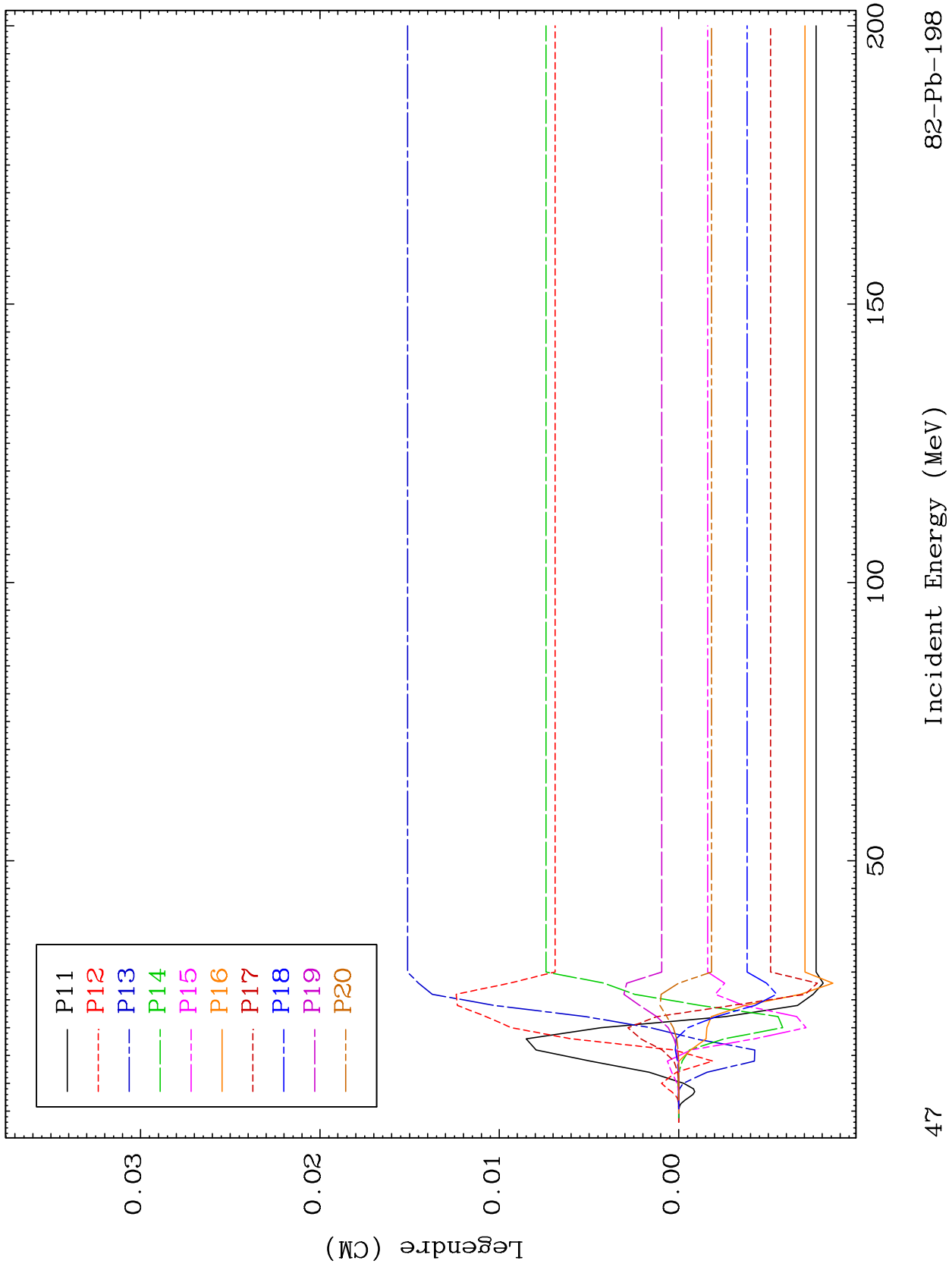
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MAT 8207

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

82-Pb-198

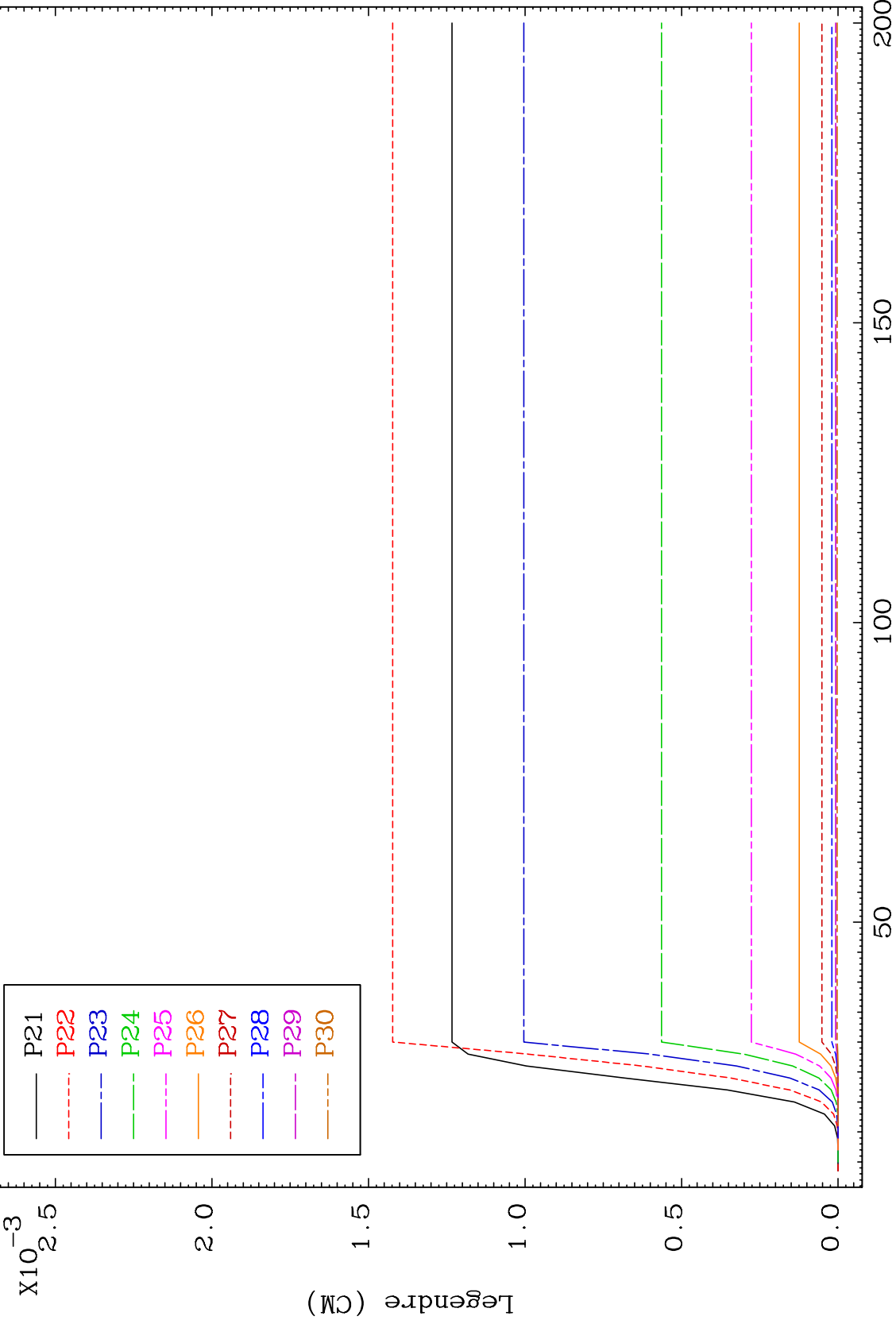
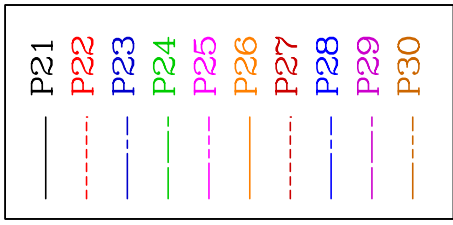




MAT 8207

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

82-Pb-198



48

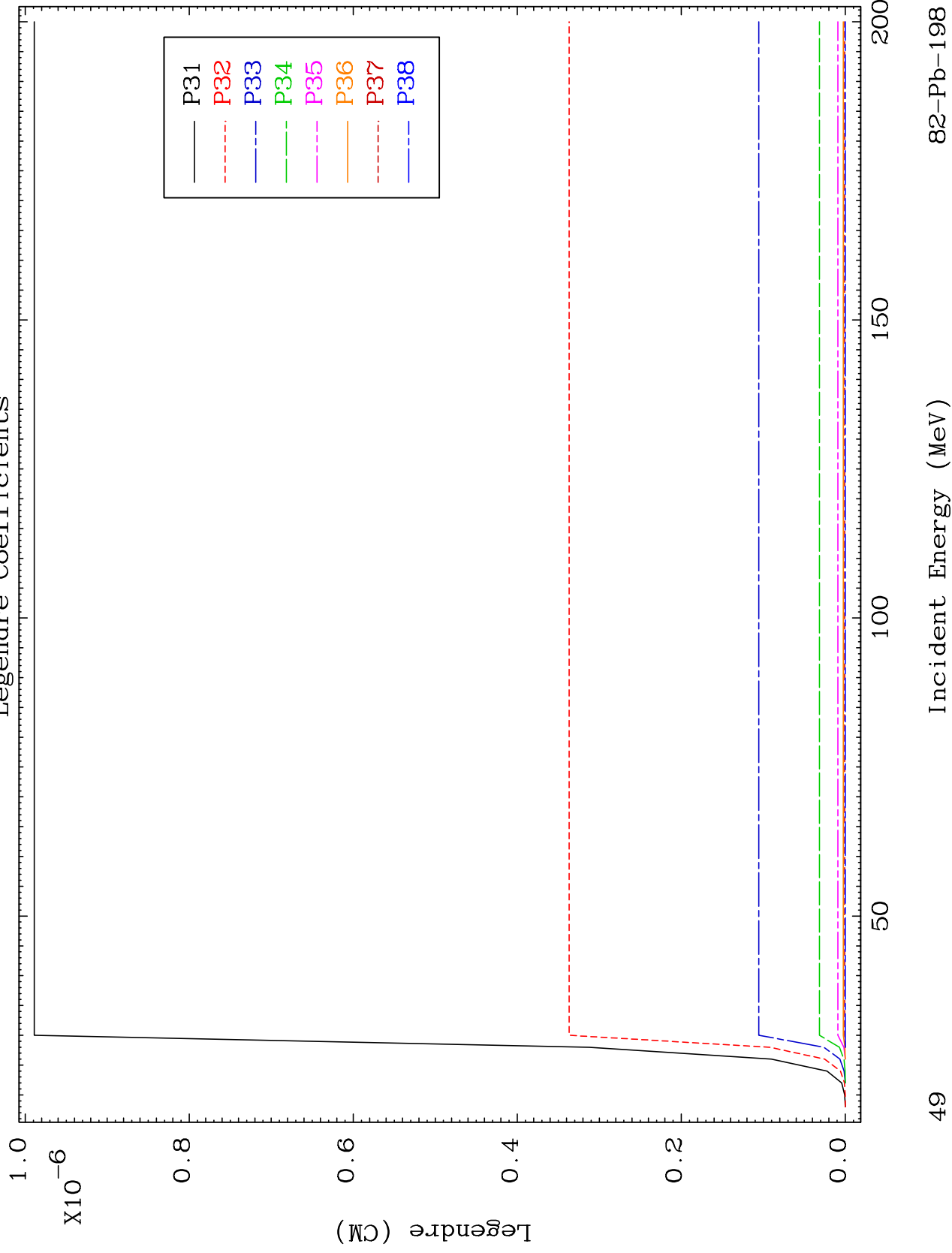
Incident Energy (MeV)

82-Pb-198

MAT 8207

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

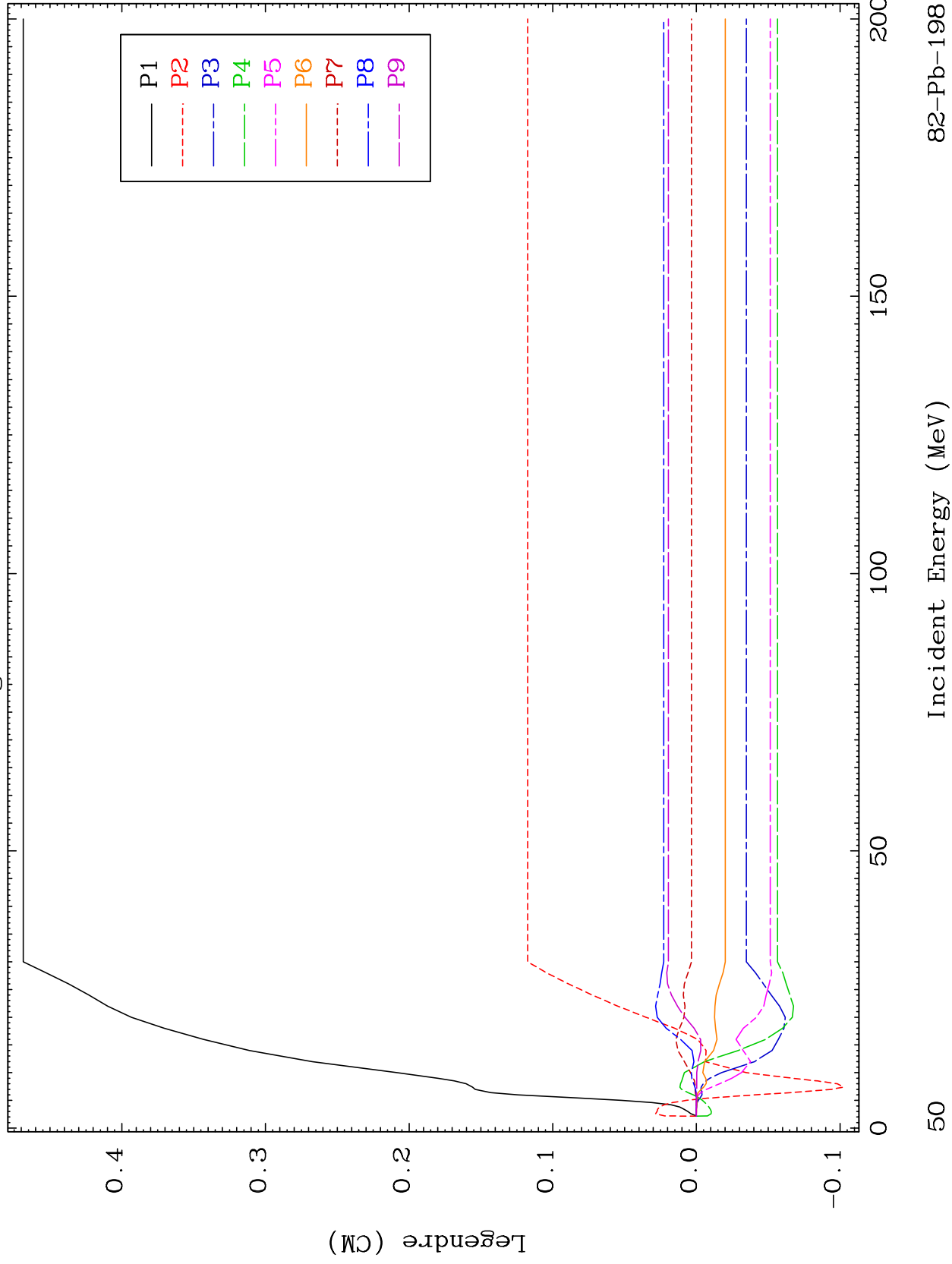
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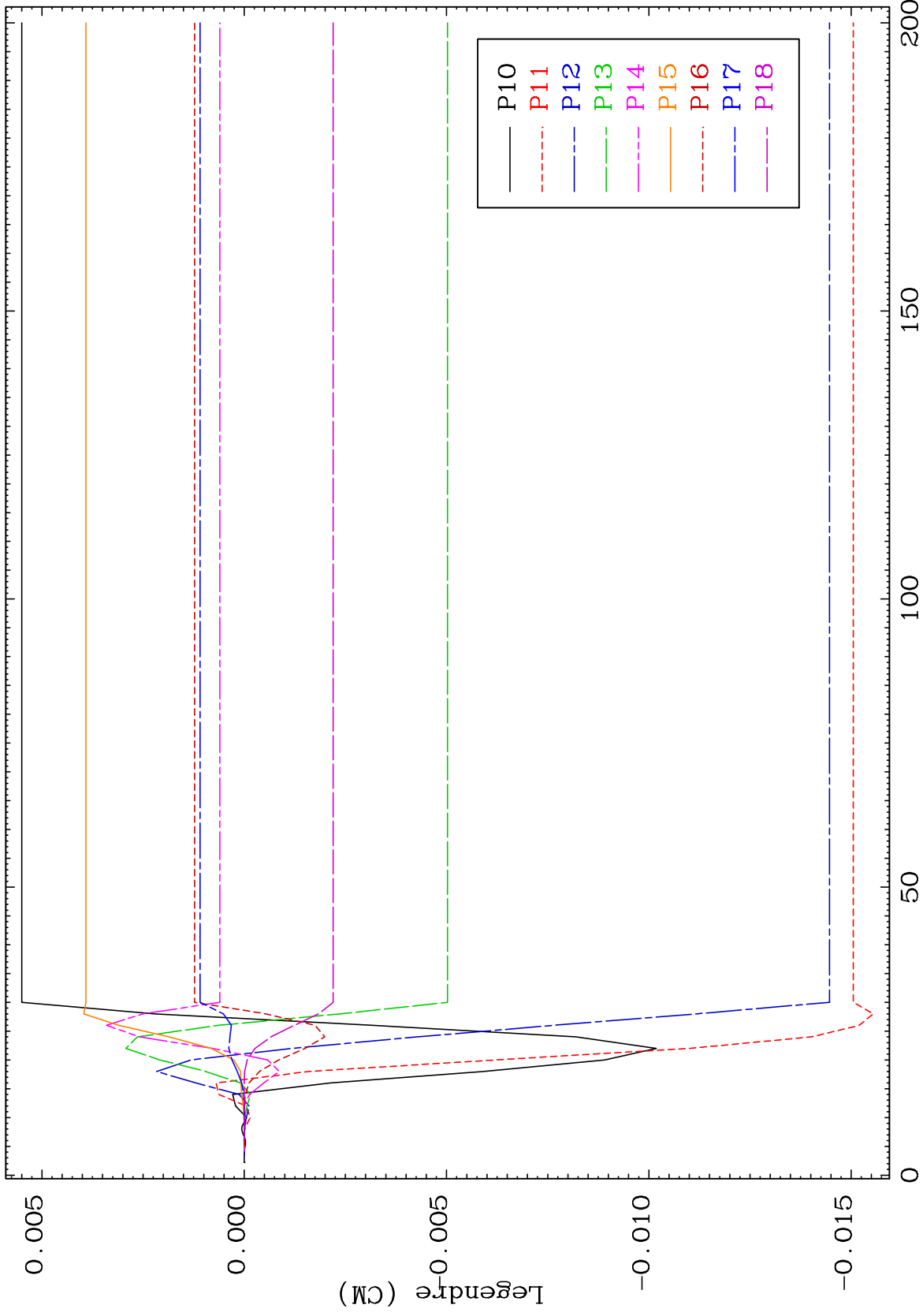
MAT 8207

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

82-Pb-198



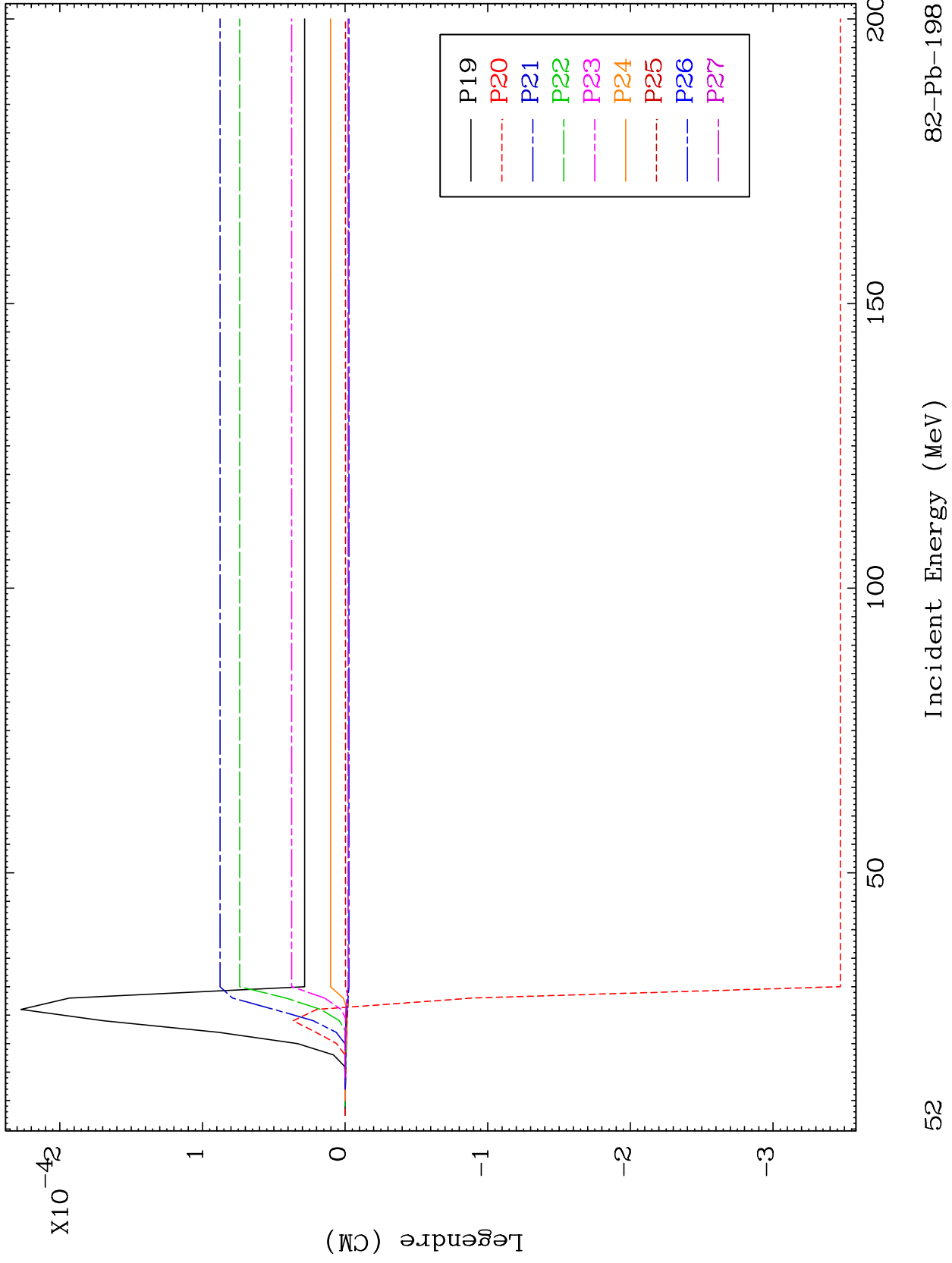
82-Pb-198



MAT 8207

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

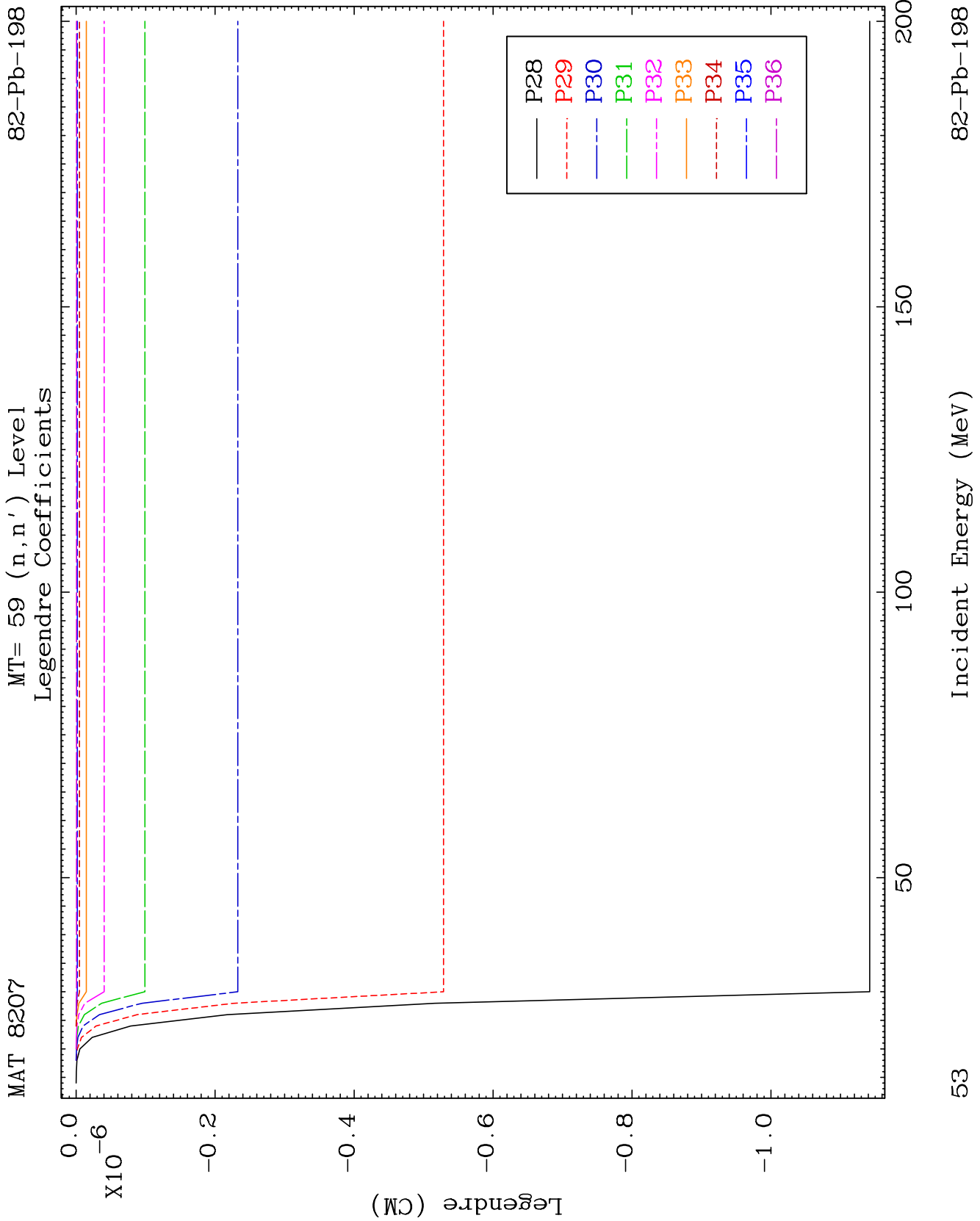
82-Pb-198



52

Incident Energy (MeV)

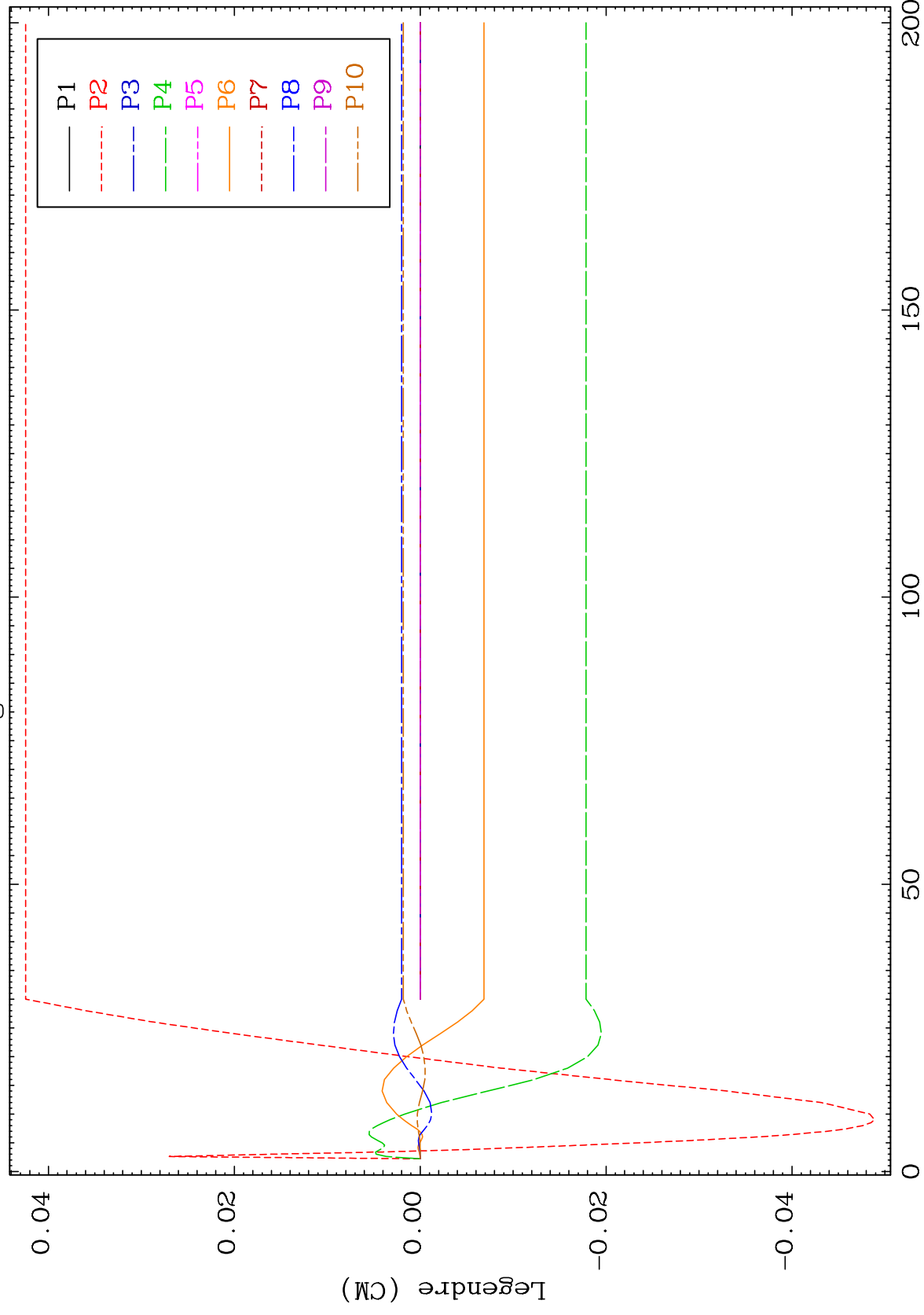
82-Pb-198



MAT 8207

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

82-Pb-198



54

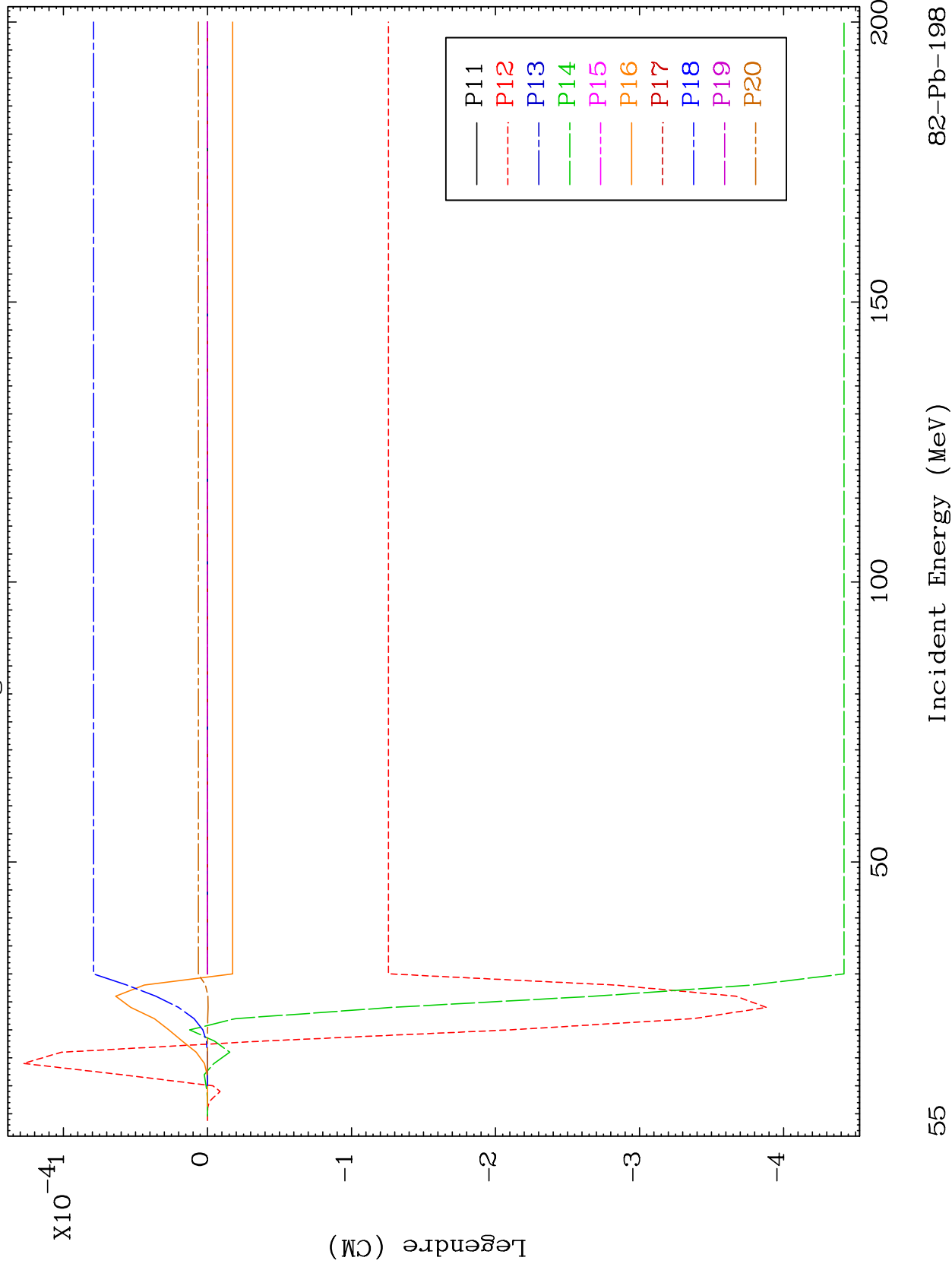
Incident Energy (MeV)

82-Pb-198

MAT 8207

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

82-Pb-198

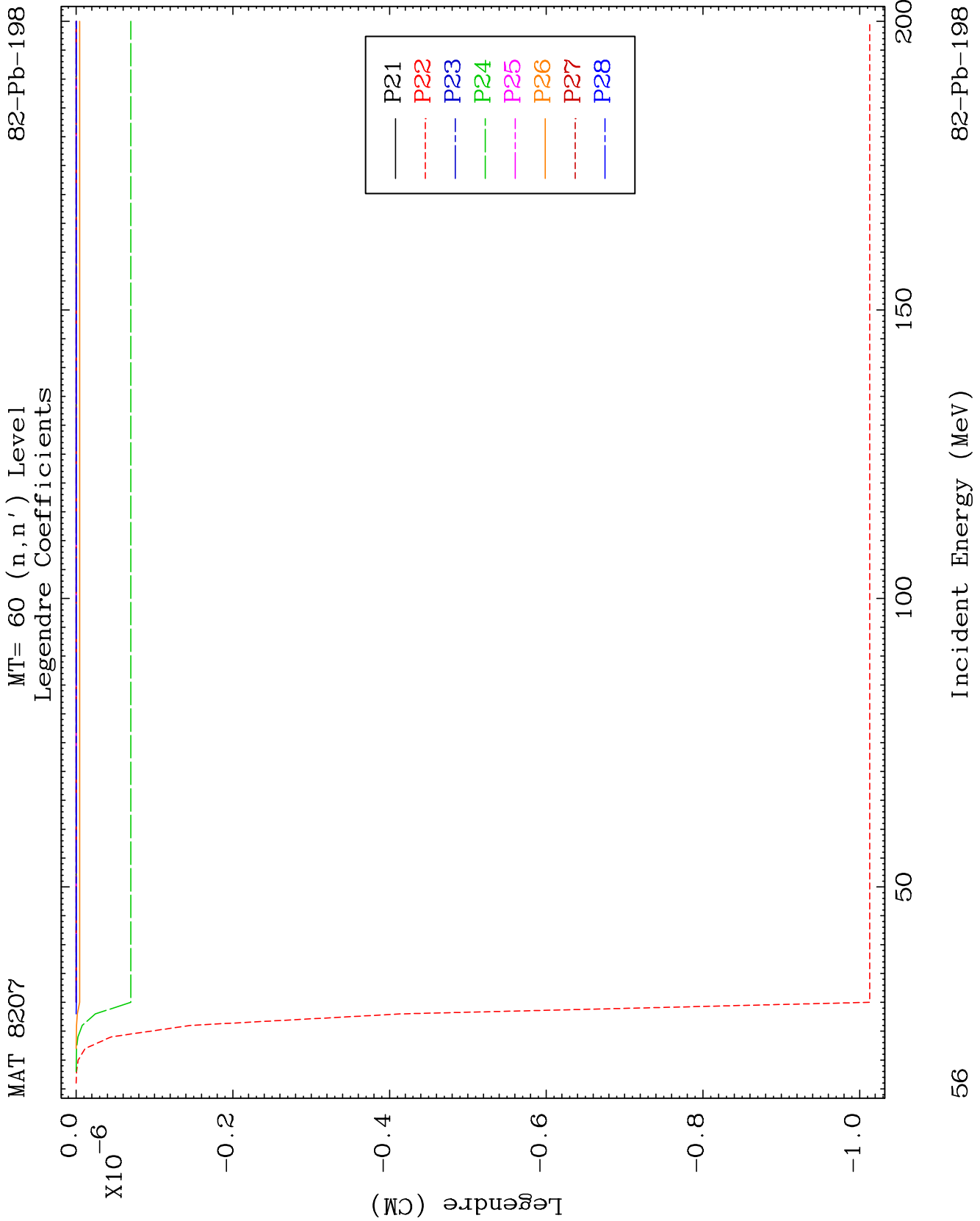


55

Incident Energy (MeV)

82-Pb-198

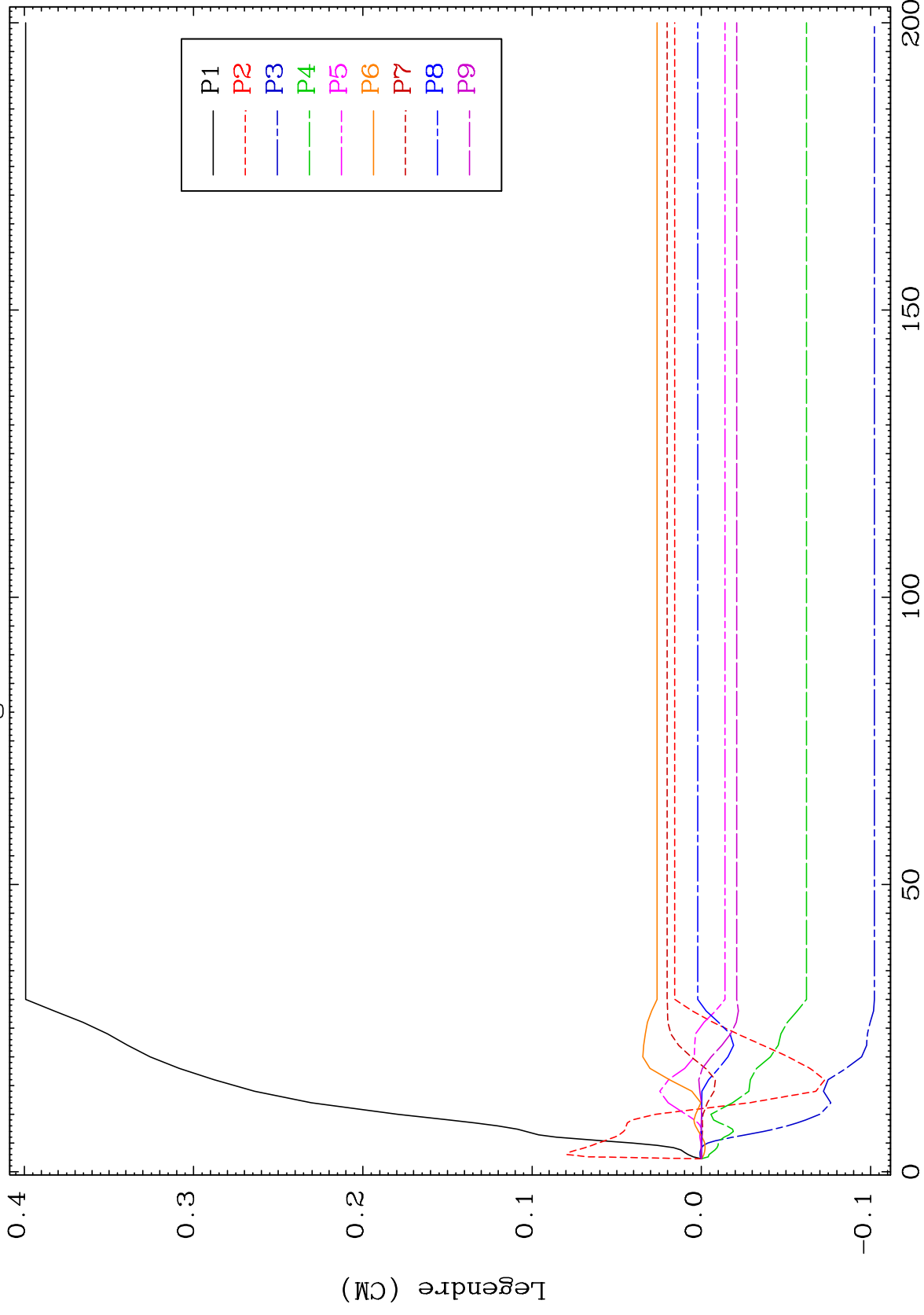




MAT 8207

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

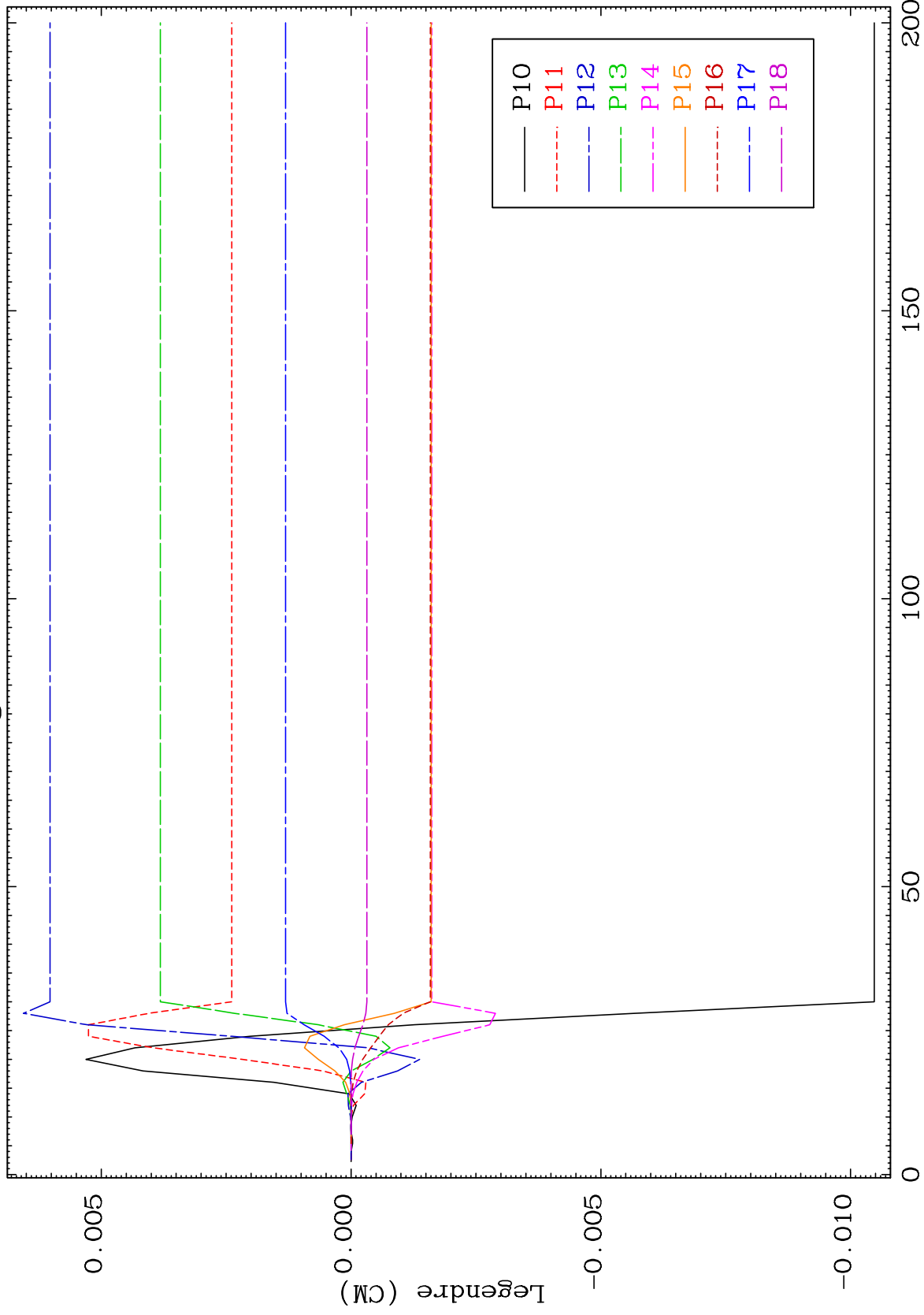
82-Pb-198



MAT 8207

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

82-Pb-198



58

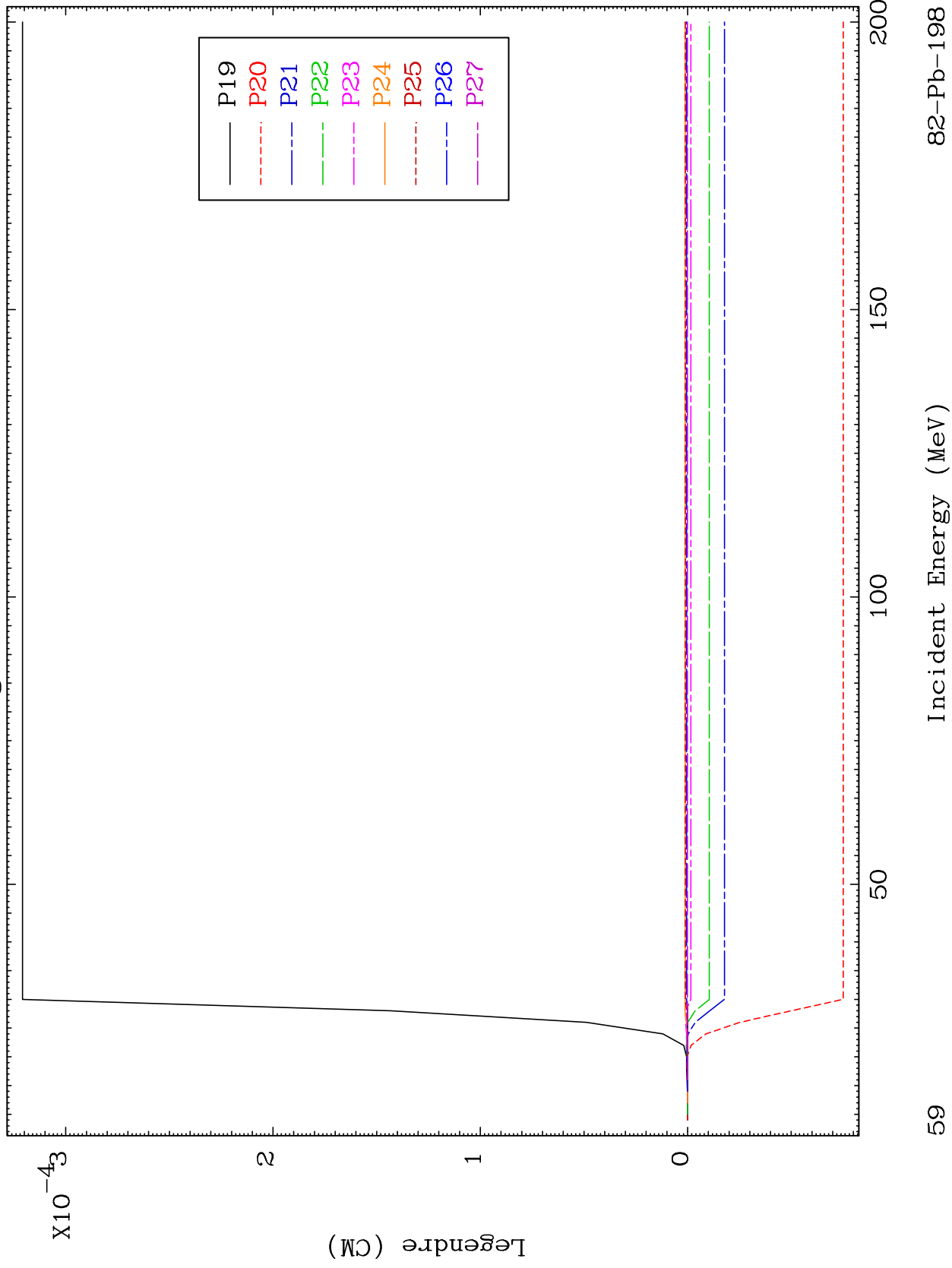
Incident Energy (MeV)

82-Pb-198

MAT 8207

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

82-Pb-198



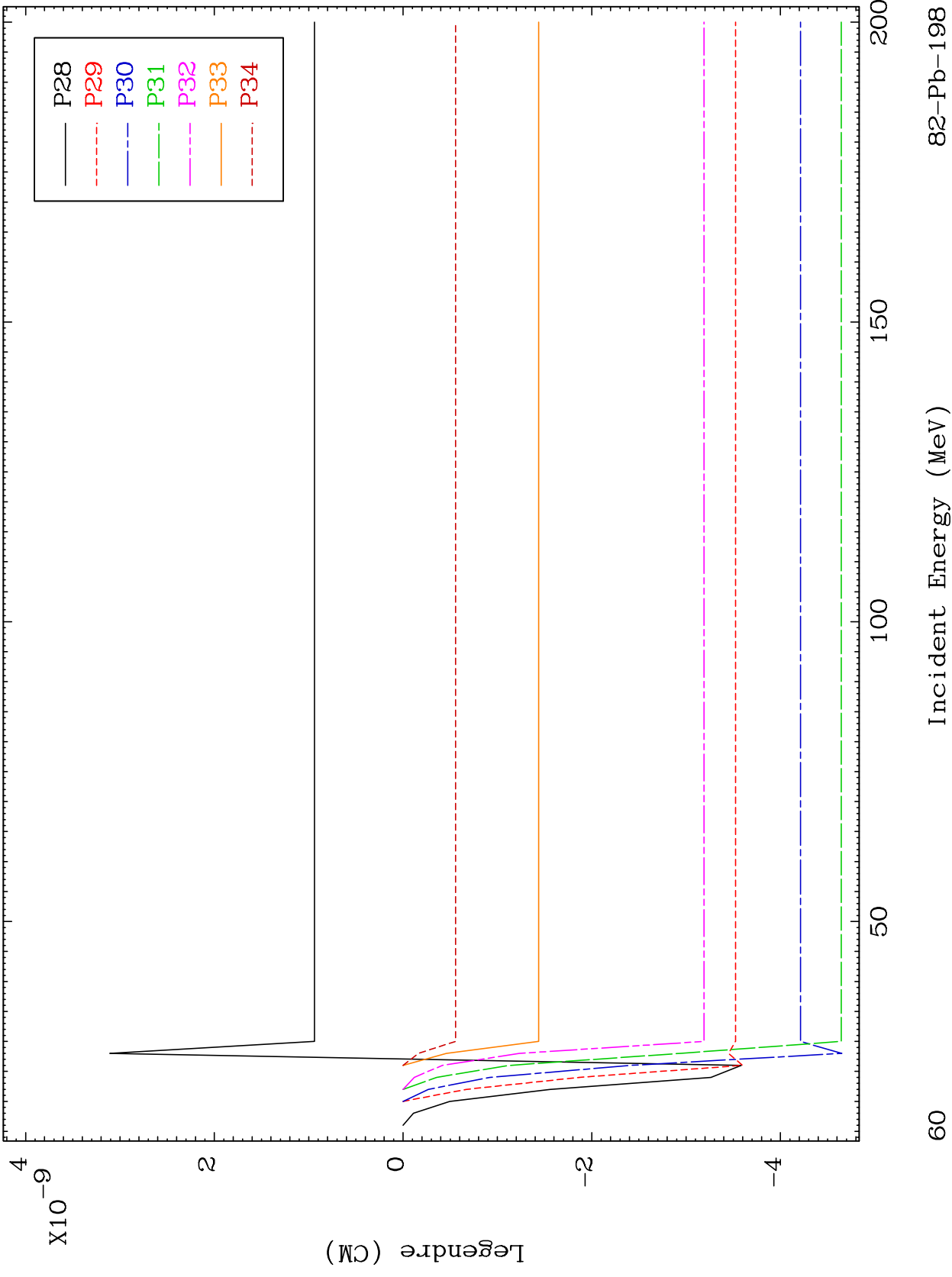
59

82-Pb-198

MAT 8207

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

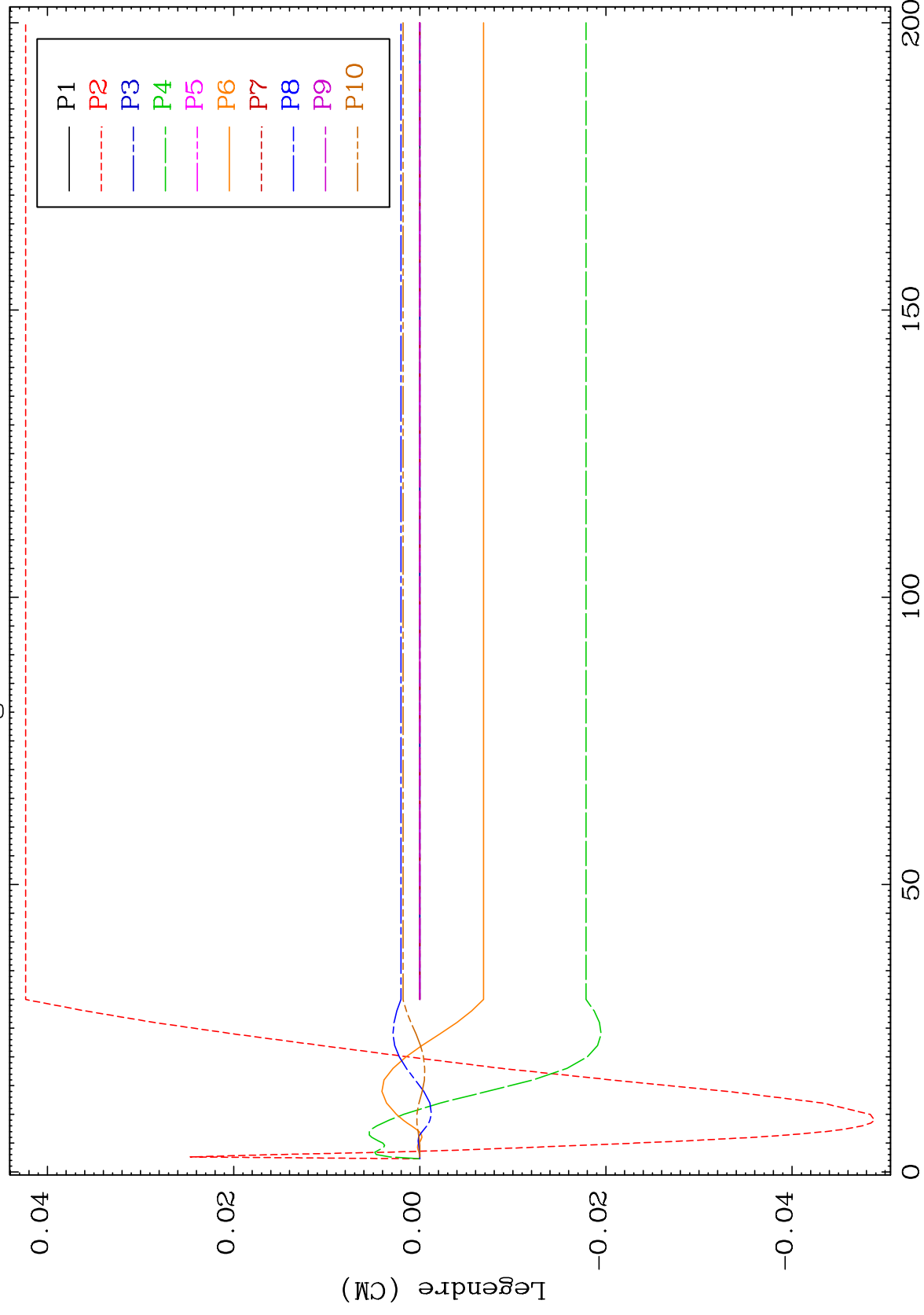
82-Pb-198



MAT 8207

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

82-Pb-198



61

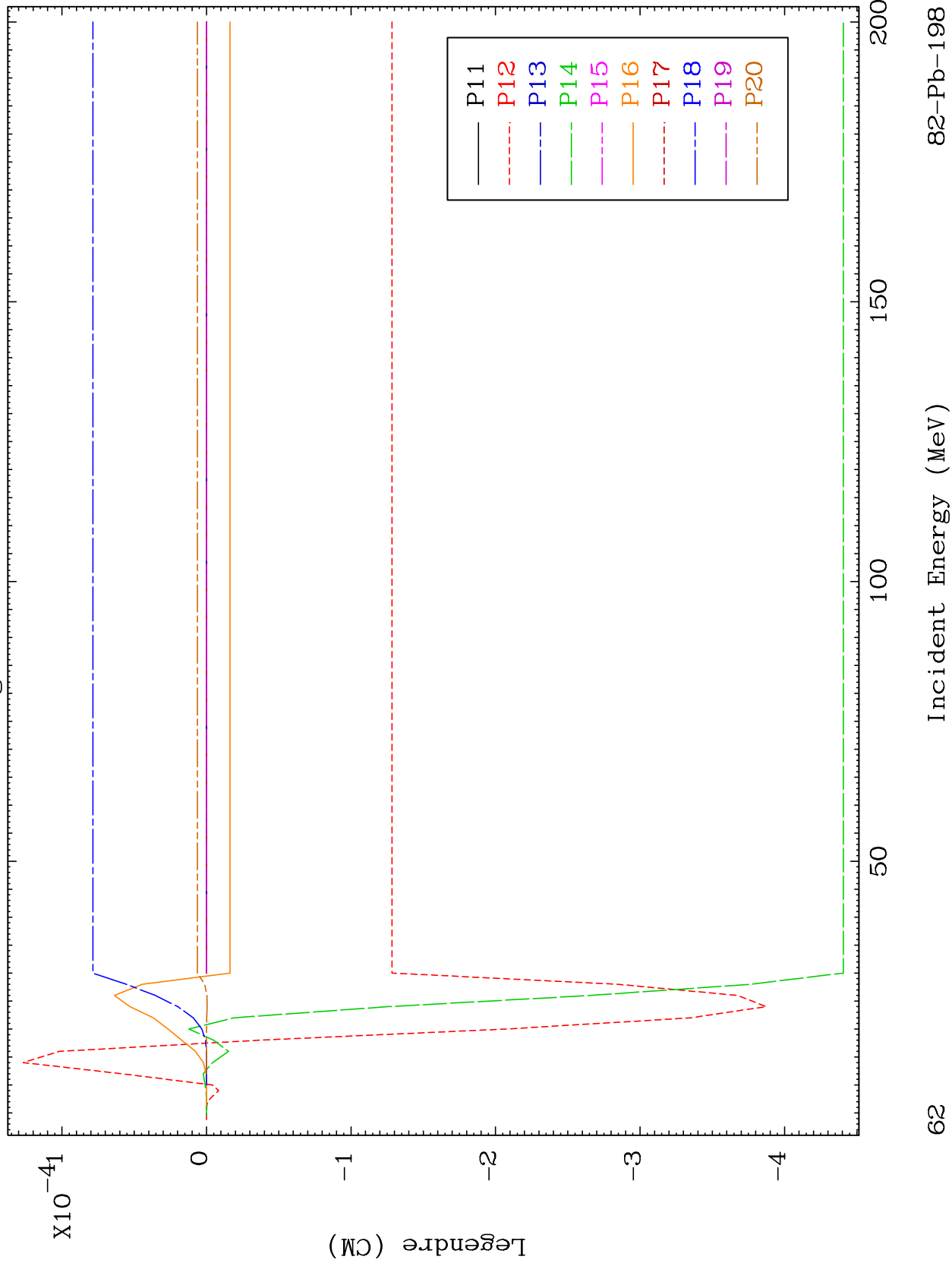
Incident Energy (MeV)

82-Pb-198

MAT 8207

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

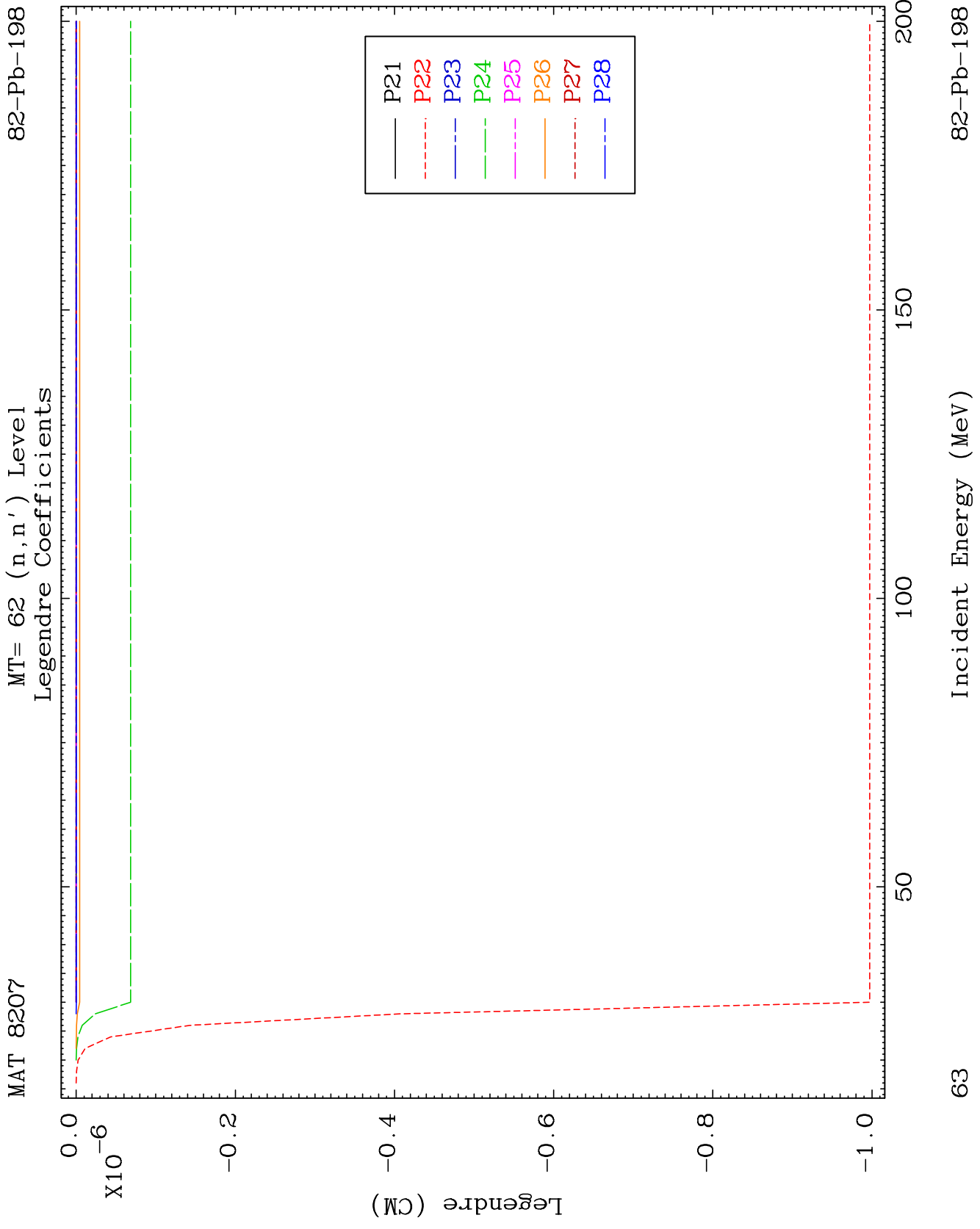
82-Pb-198



62

Incident Energy (MeV)

82-Pb-198

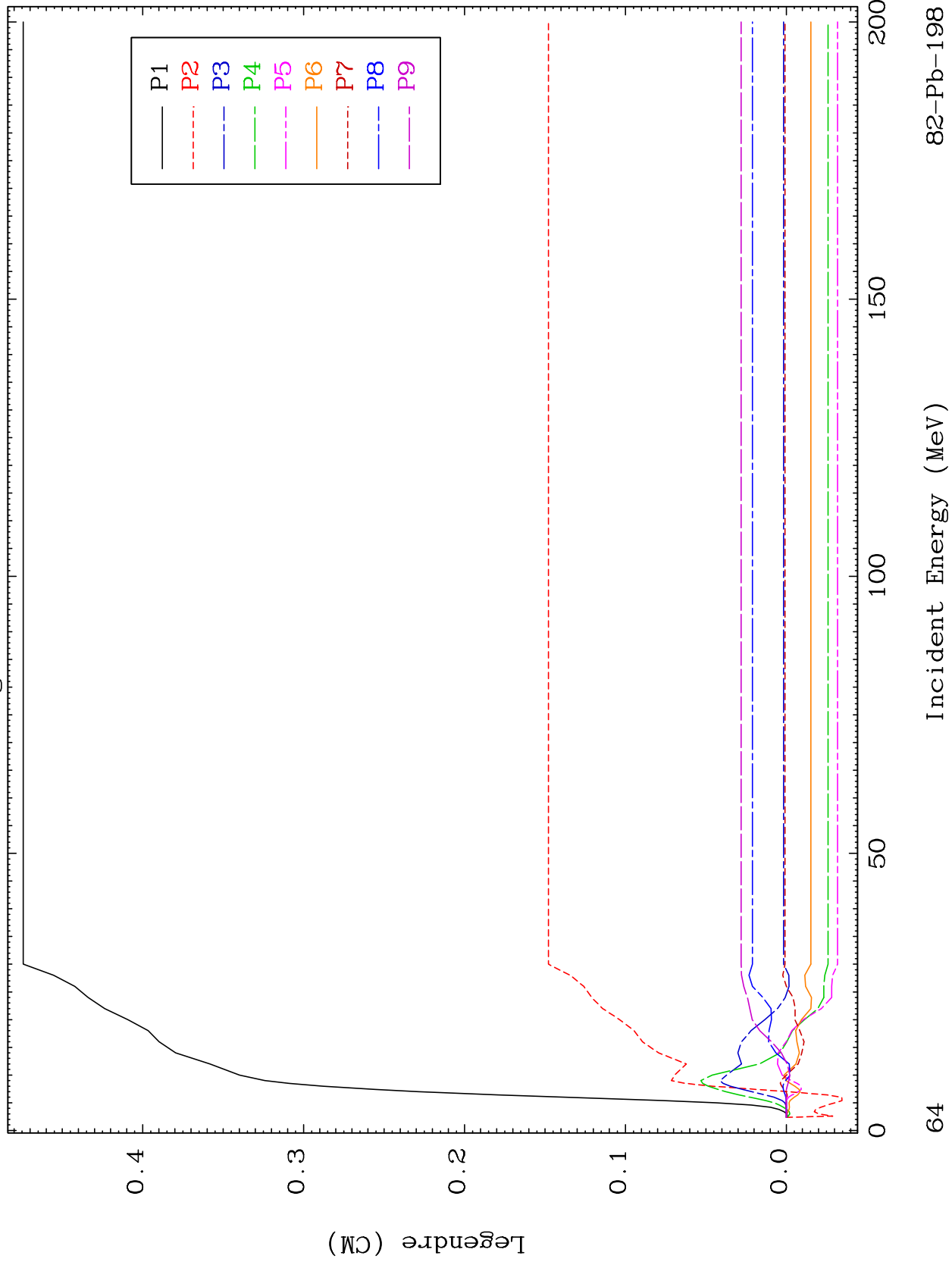




MAT 8207

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

82-Pb-198



82-Pb-198

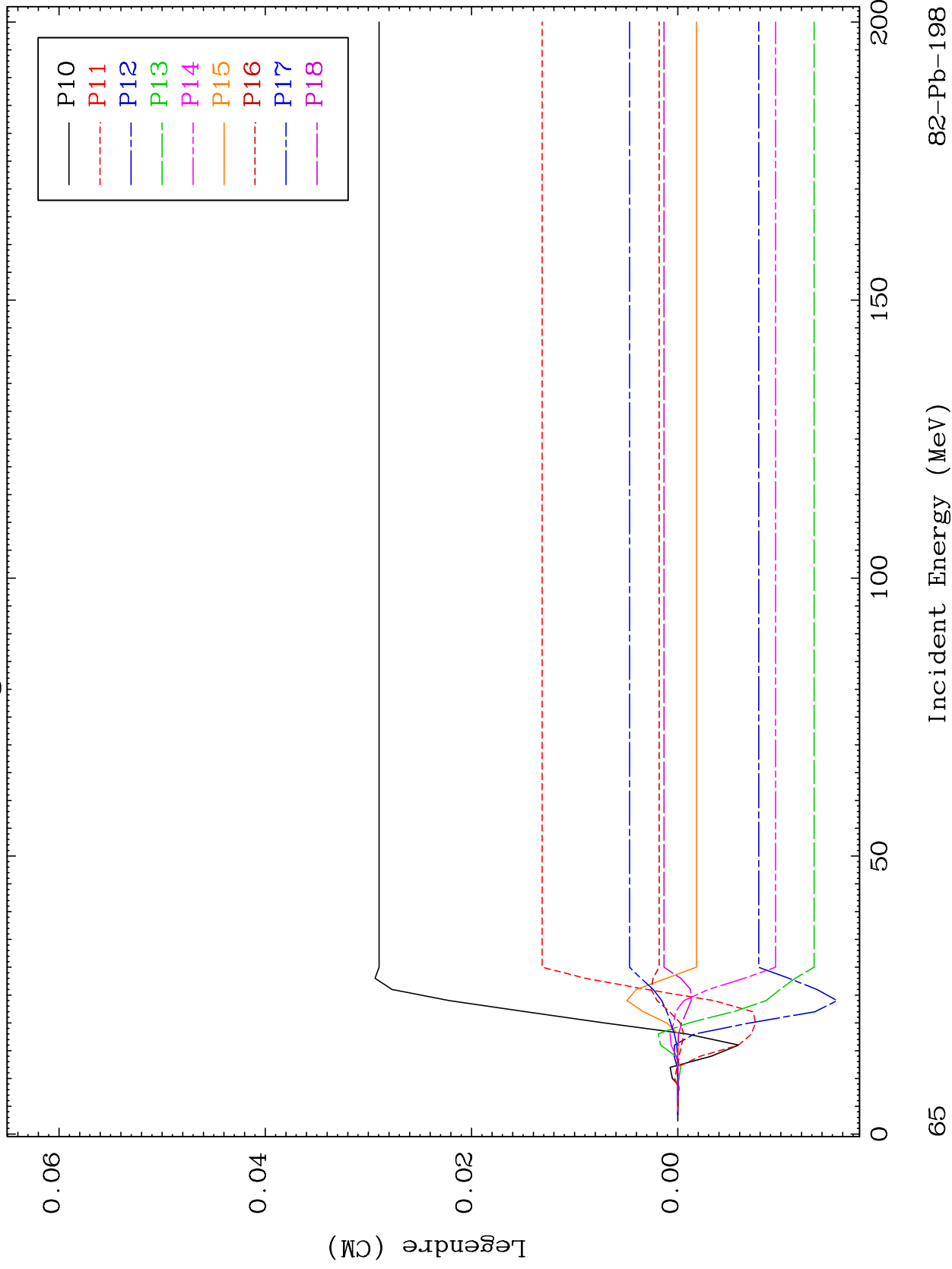
Incident Energy (MeV)

64

MAT 8207

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

82-Pb-198



82-Pb-198

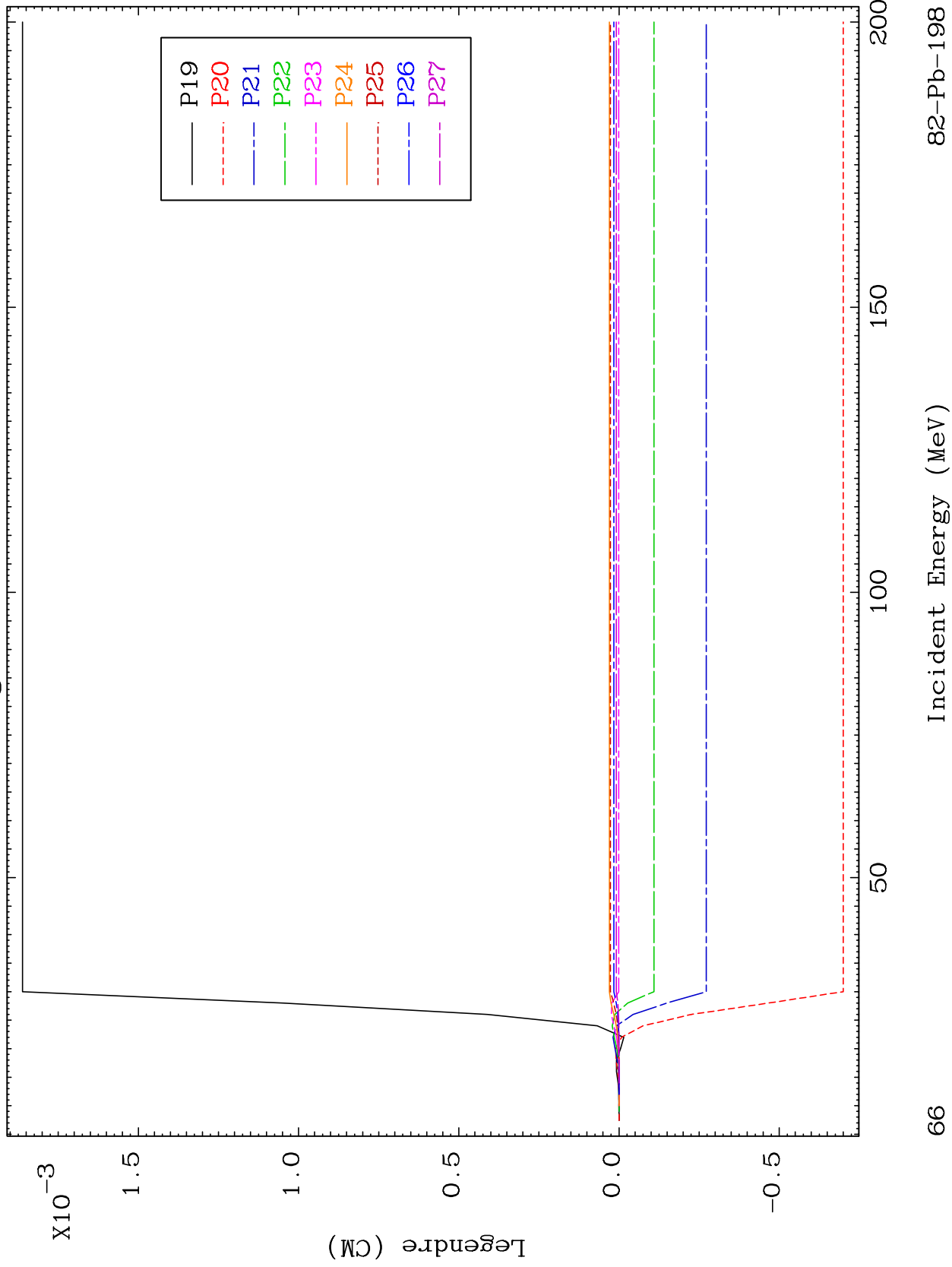
Incident Energy (MeV)

65

MAT 8207

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

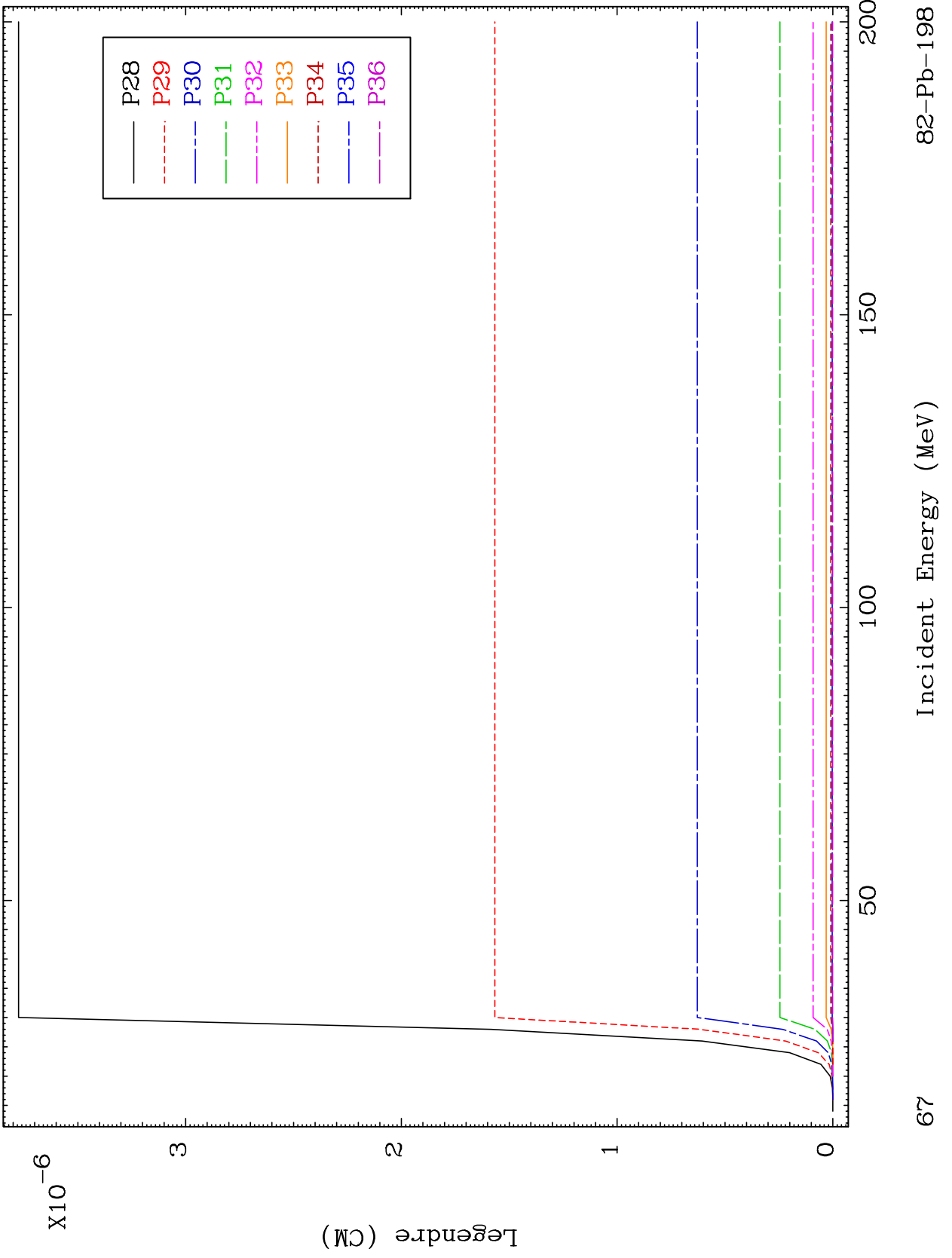
82-Pb-198



MAT 8207

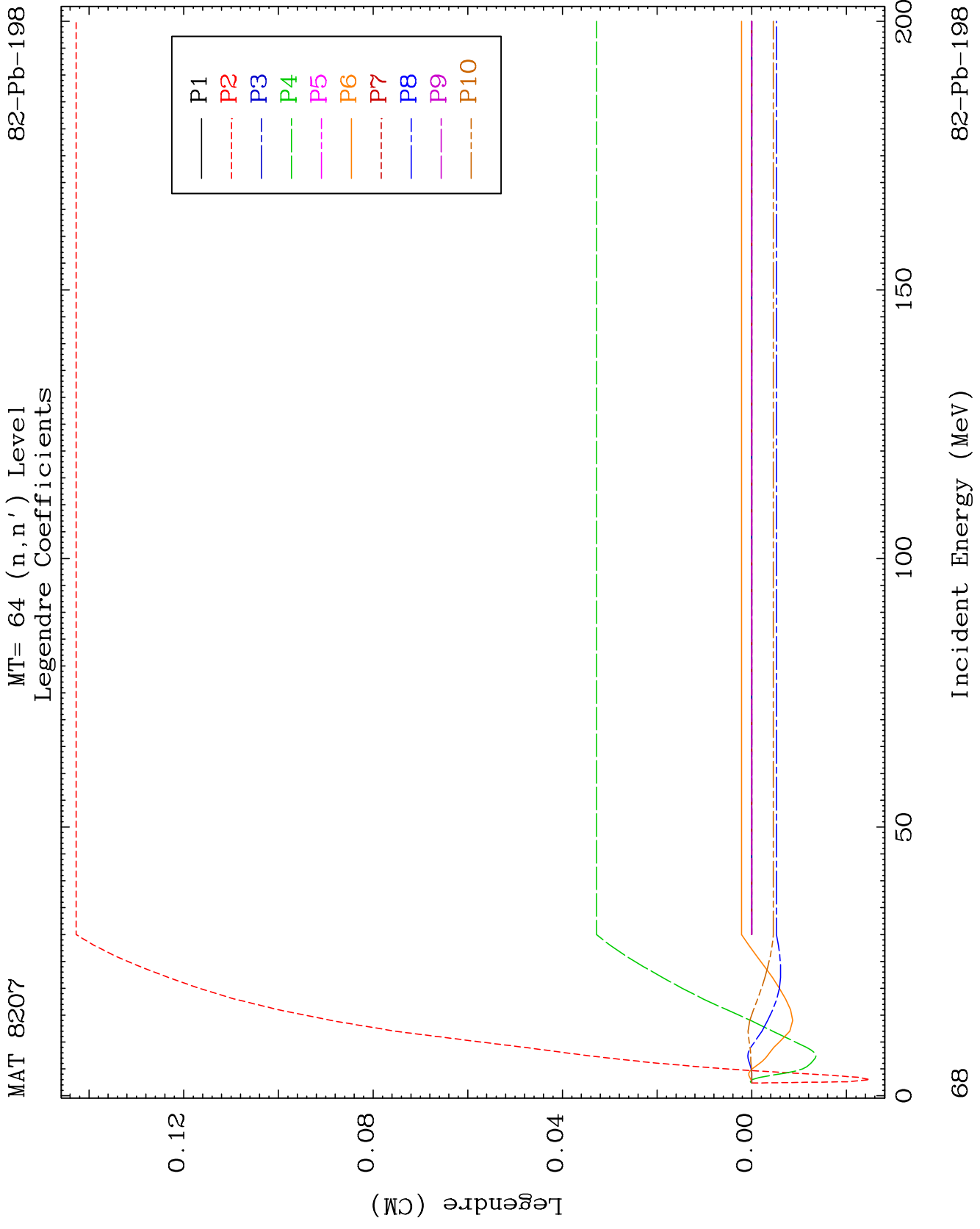
MT= 63 (n,n') Level  
Legendre Coefficients

82-Pb-198



67

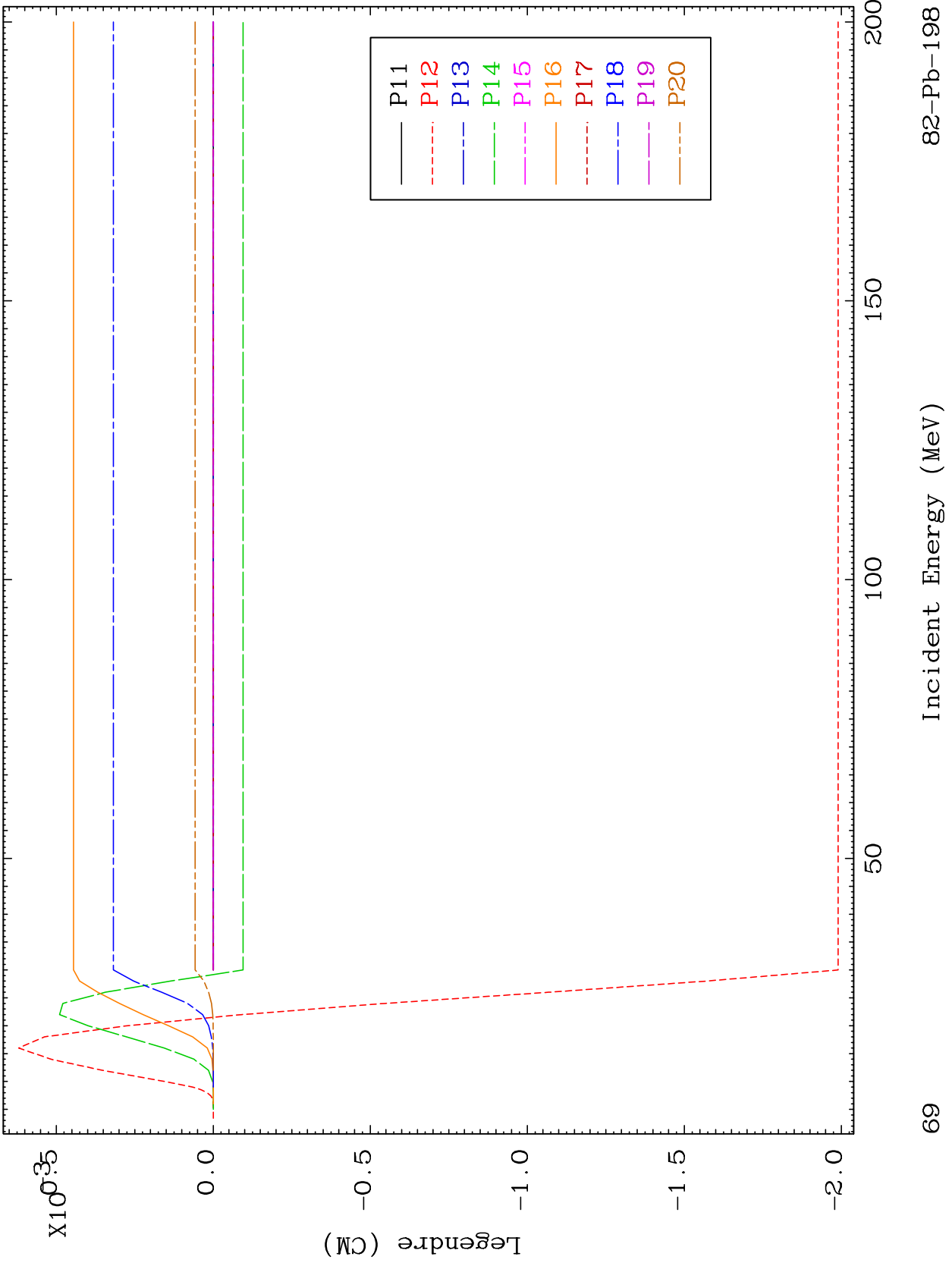
82-Pb-198



82-Pb-198

Incident Energy (MeV)

68

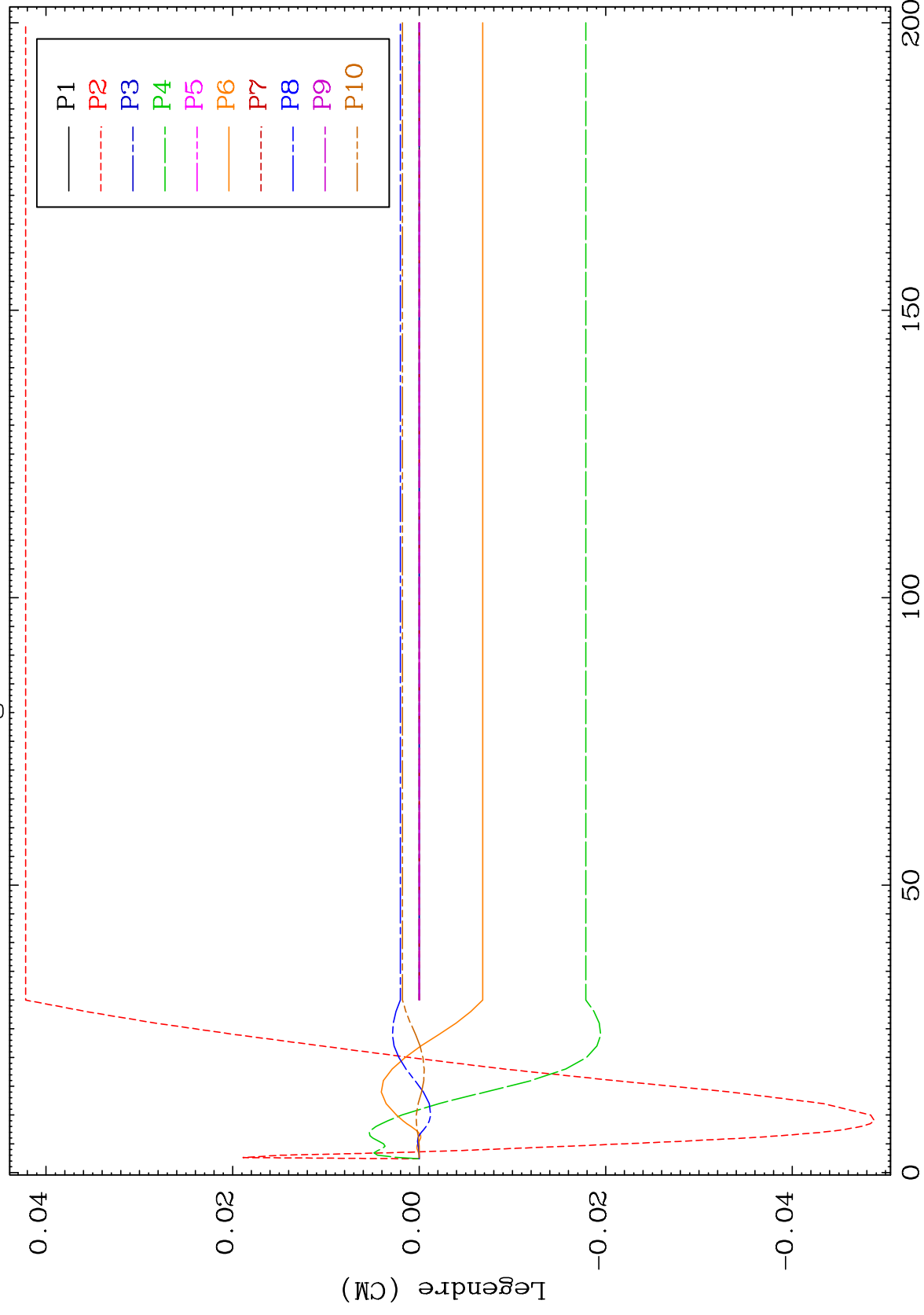




MAT 8207

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

82-Pb-198



71

Incident Energy (MeV)

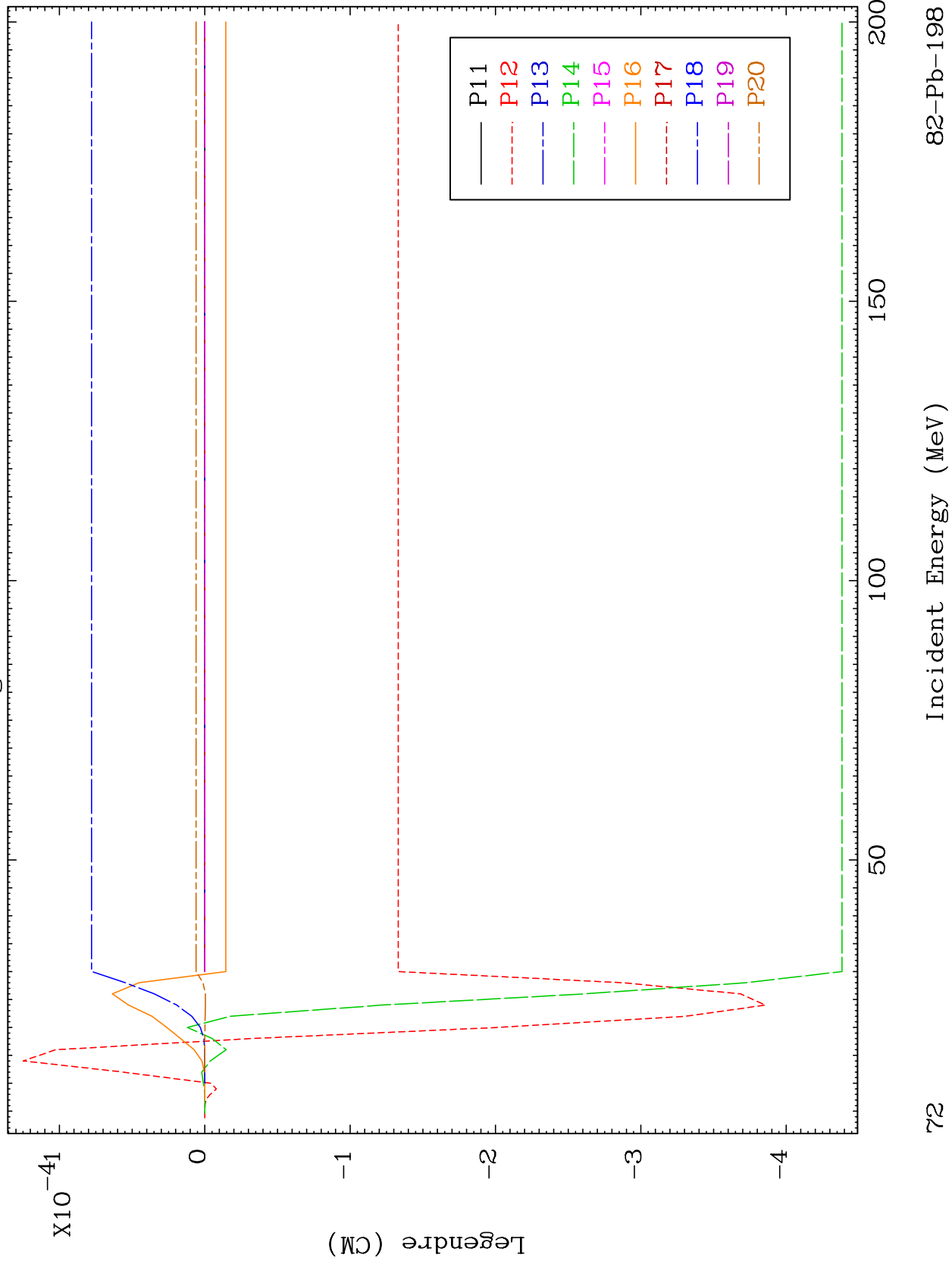
82-Pb-198



MAT 8207

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

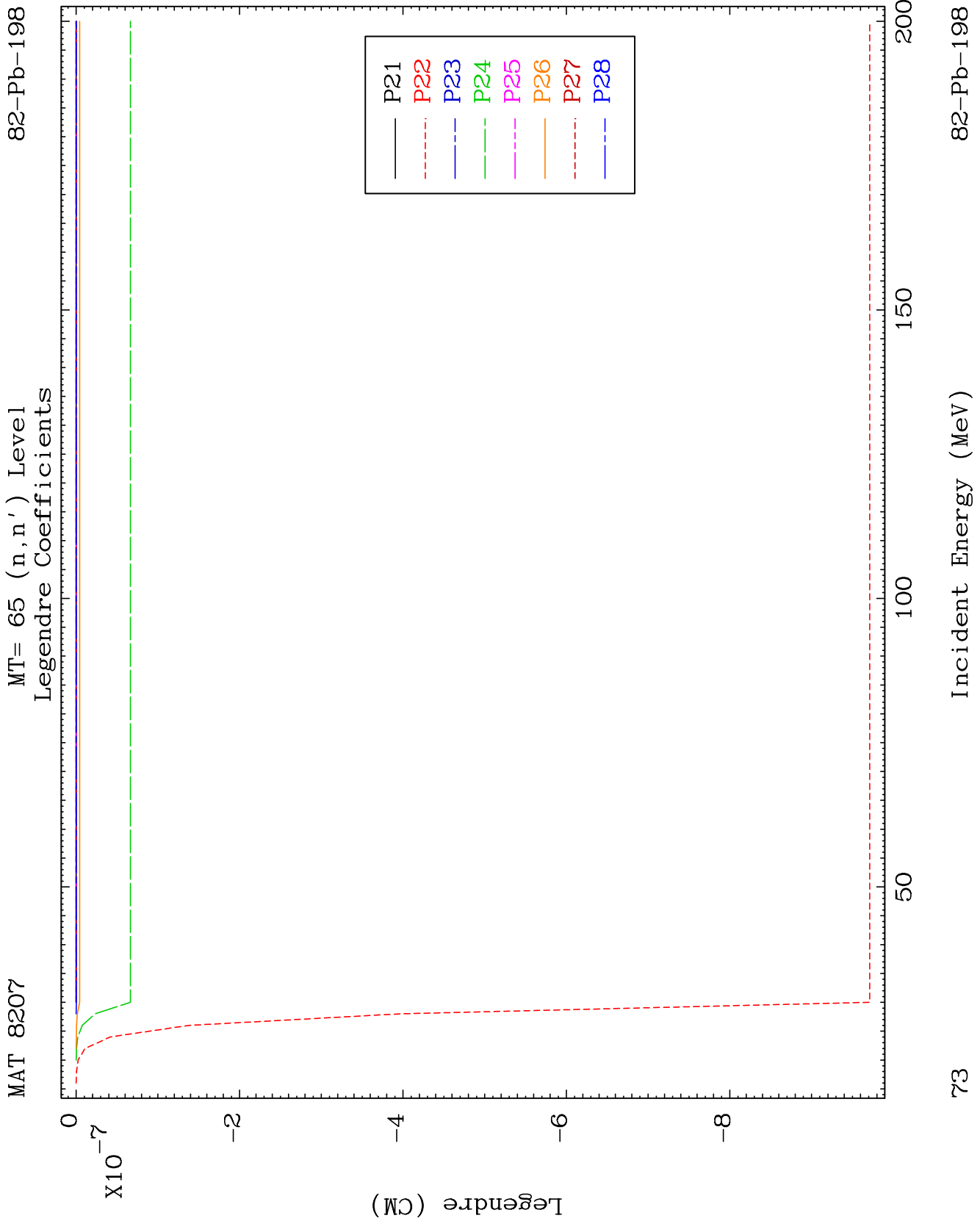
82-Pb-198



72

Incident Energy (MeV)

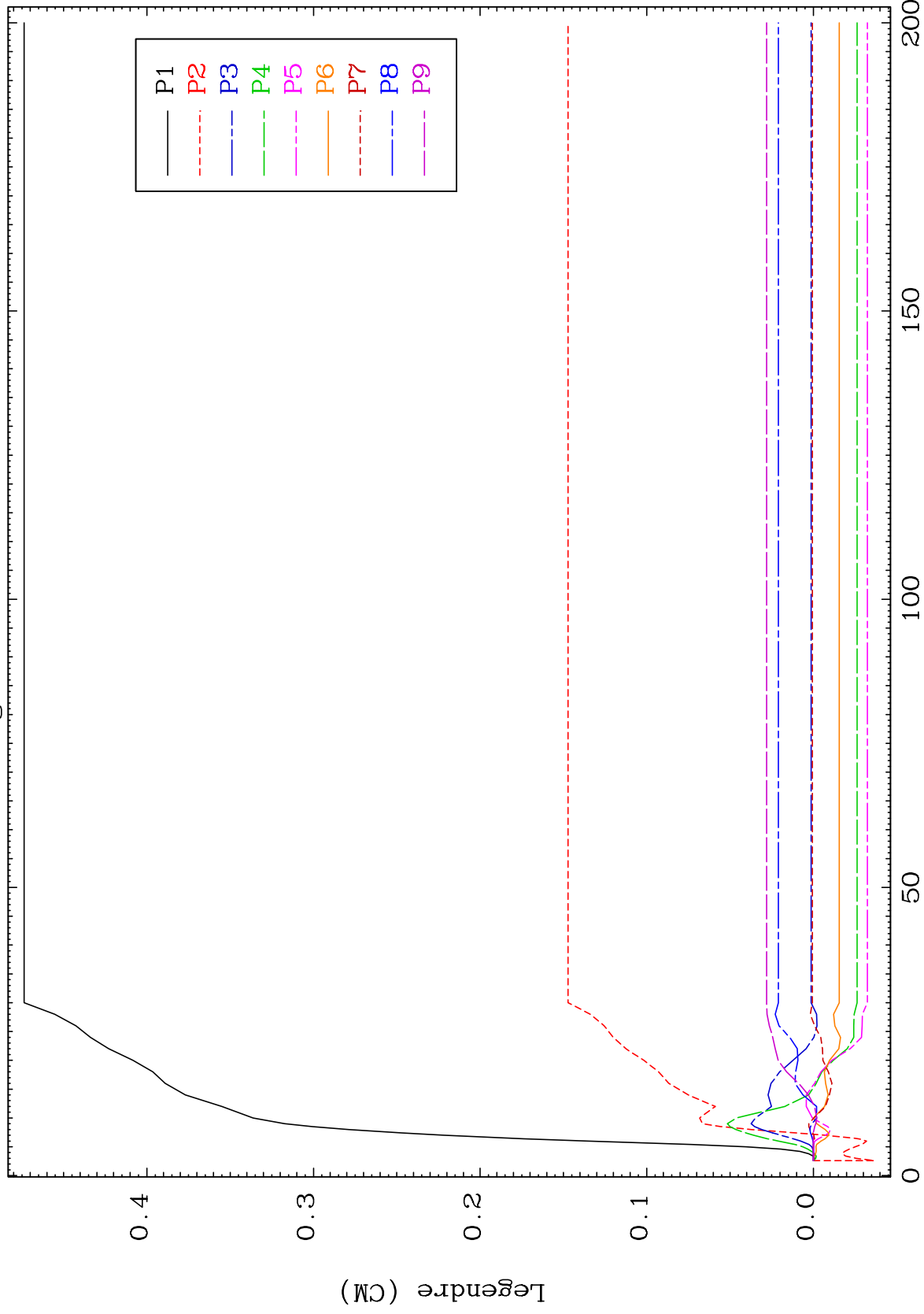
82-Pb-198



MAT 8207

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

82-Pb-198



74

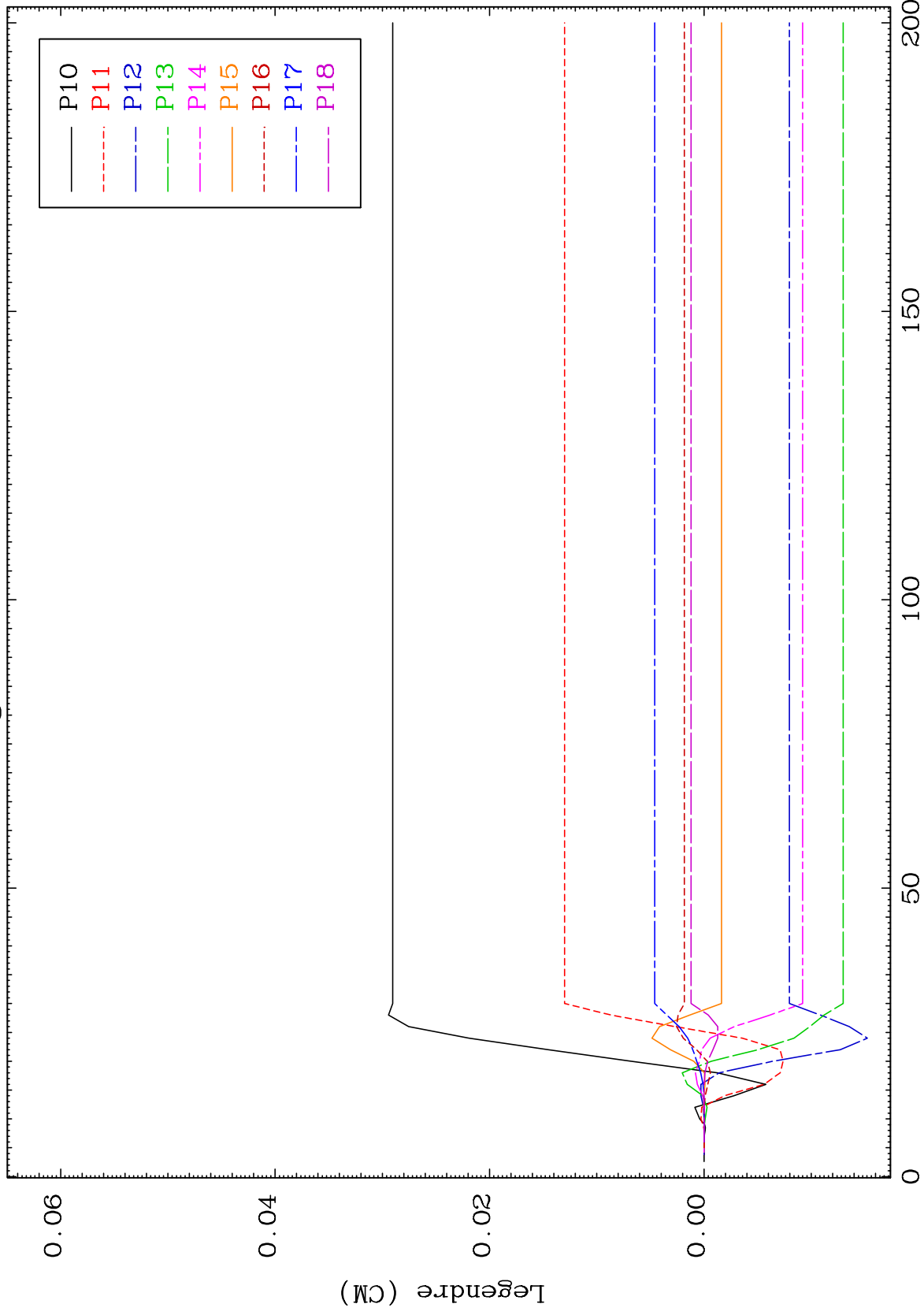
Incident Energy (MeV)

82-Pb-198

MAT 8207

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

82-Pb-198



75

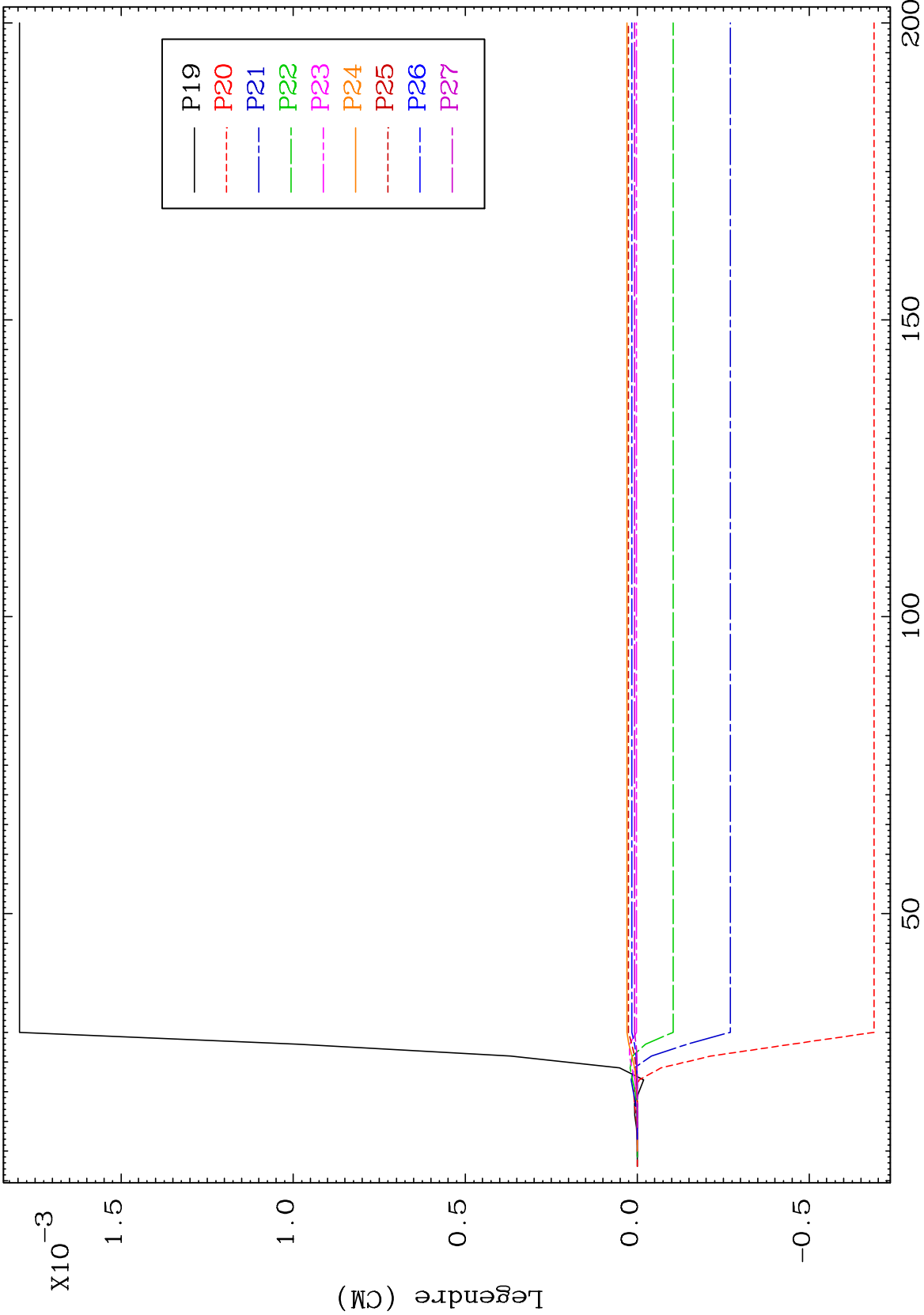
Incident Energy (MeV)

82-Pb-198

MAT 8207

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

82-Pb-198



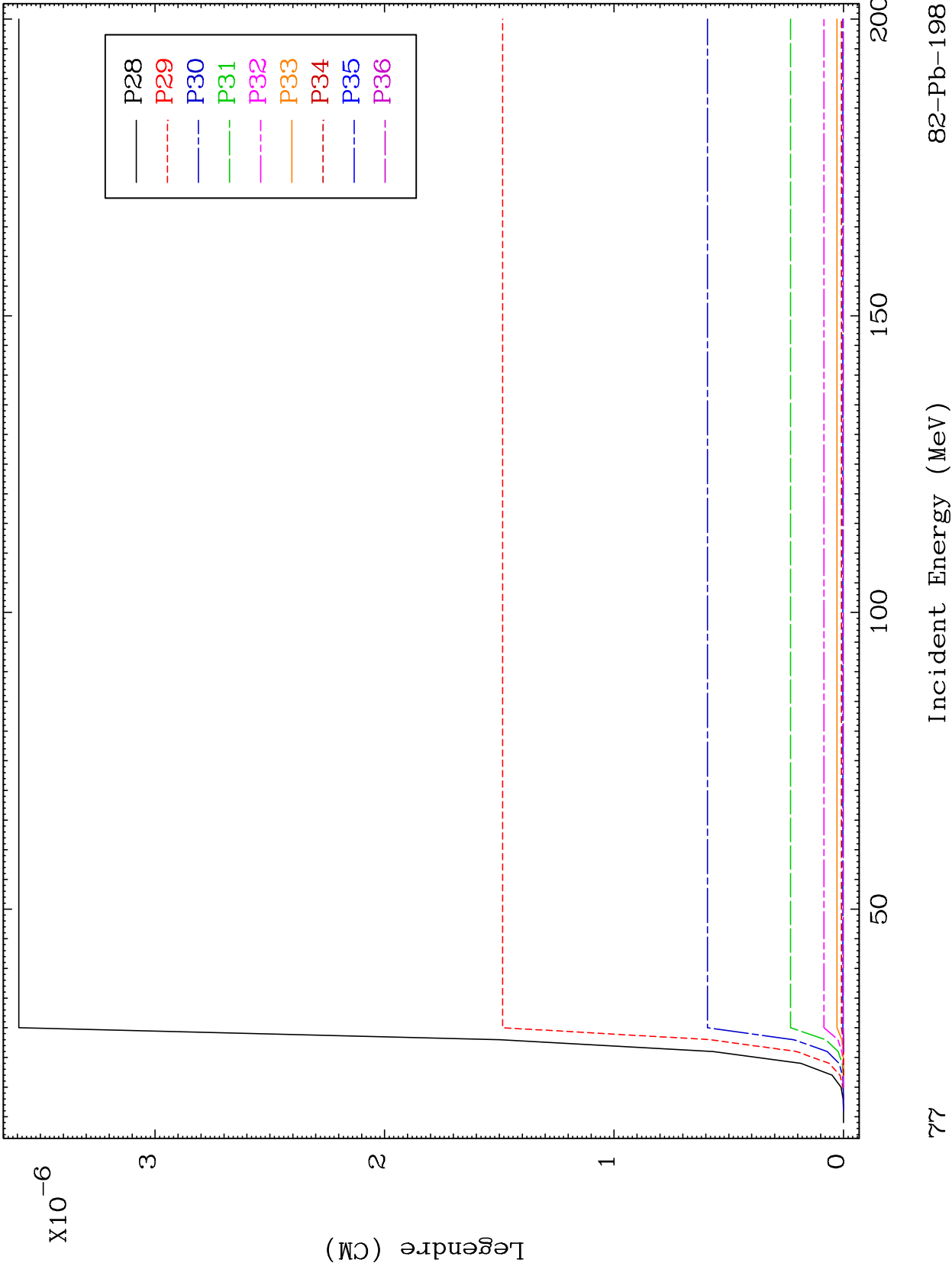
76

82-Pb-198

MAT 8207

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

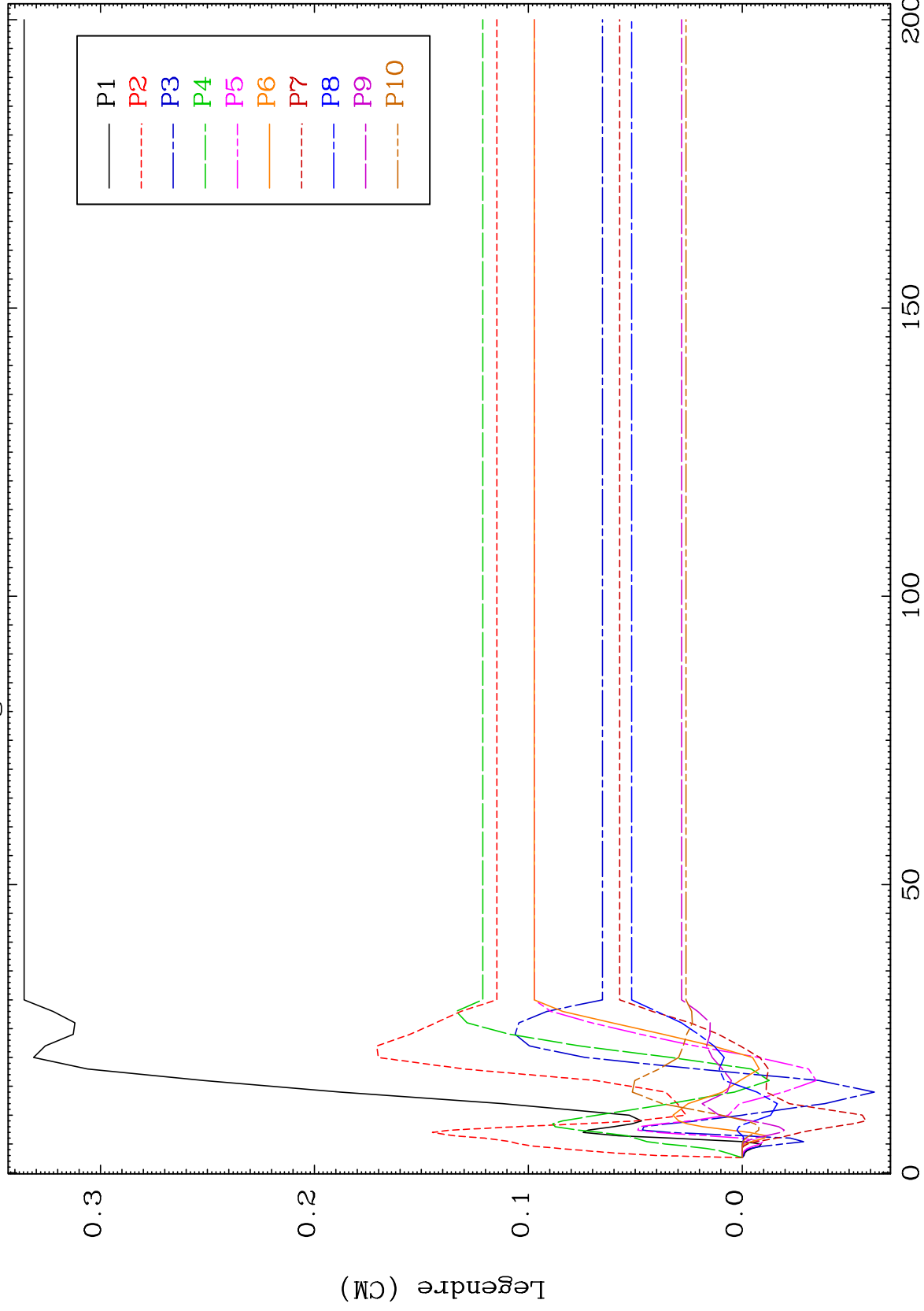
82-Pb-198



MAT 8207

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

82-Pb-198



78

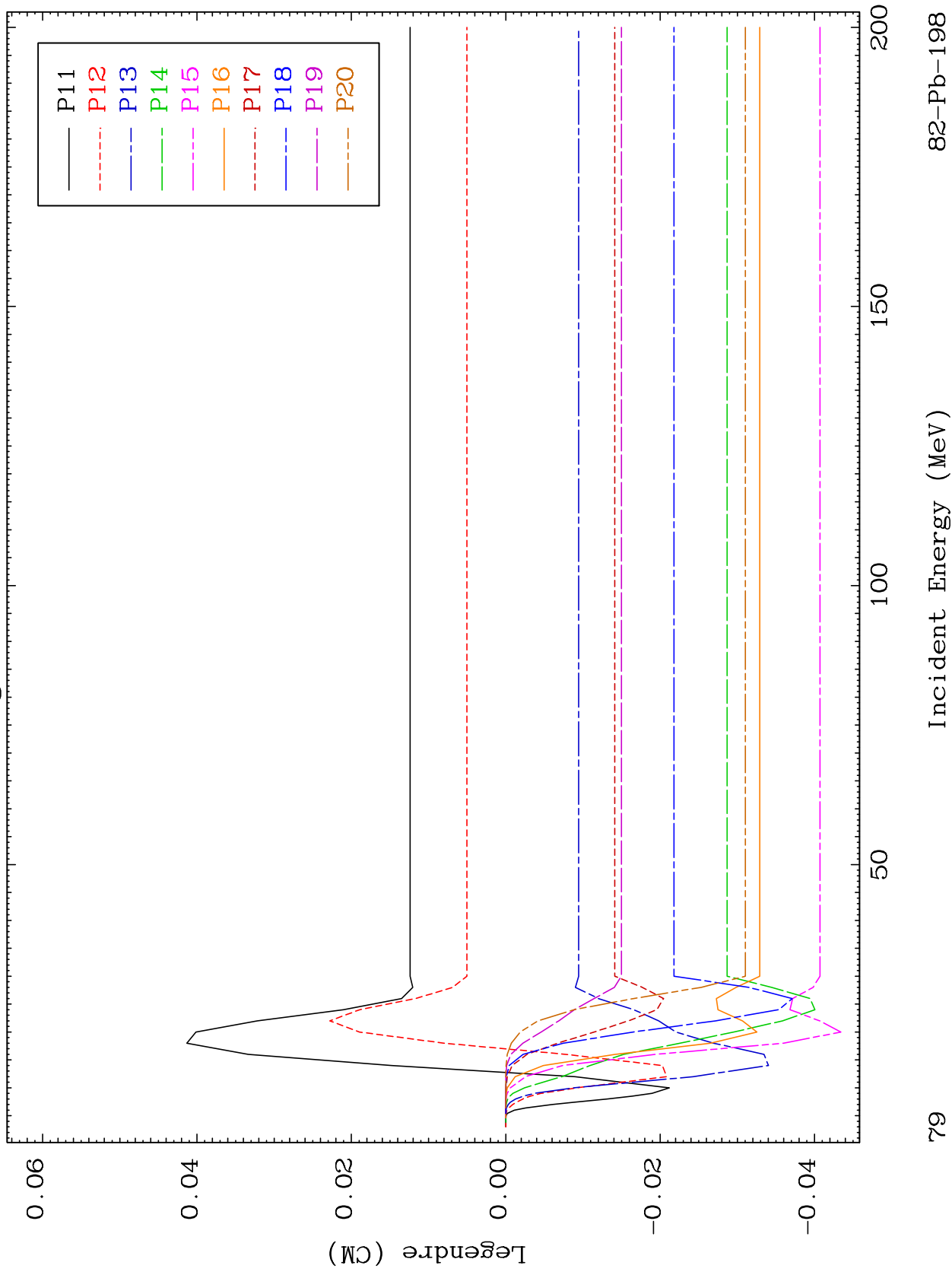
Incident Energy (MeV)

82-Pb-198

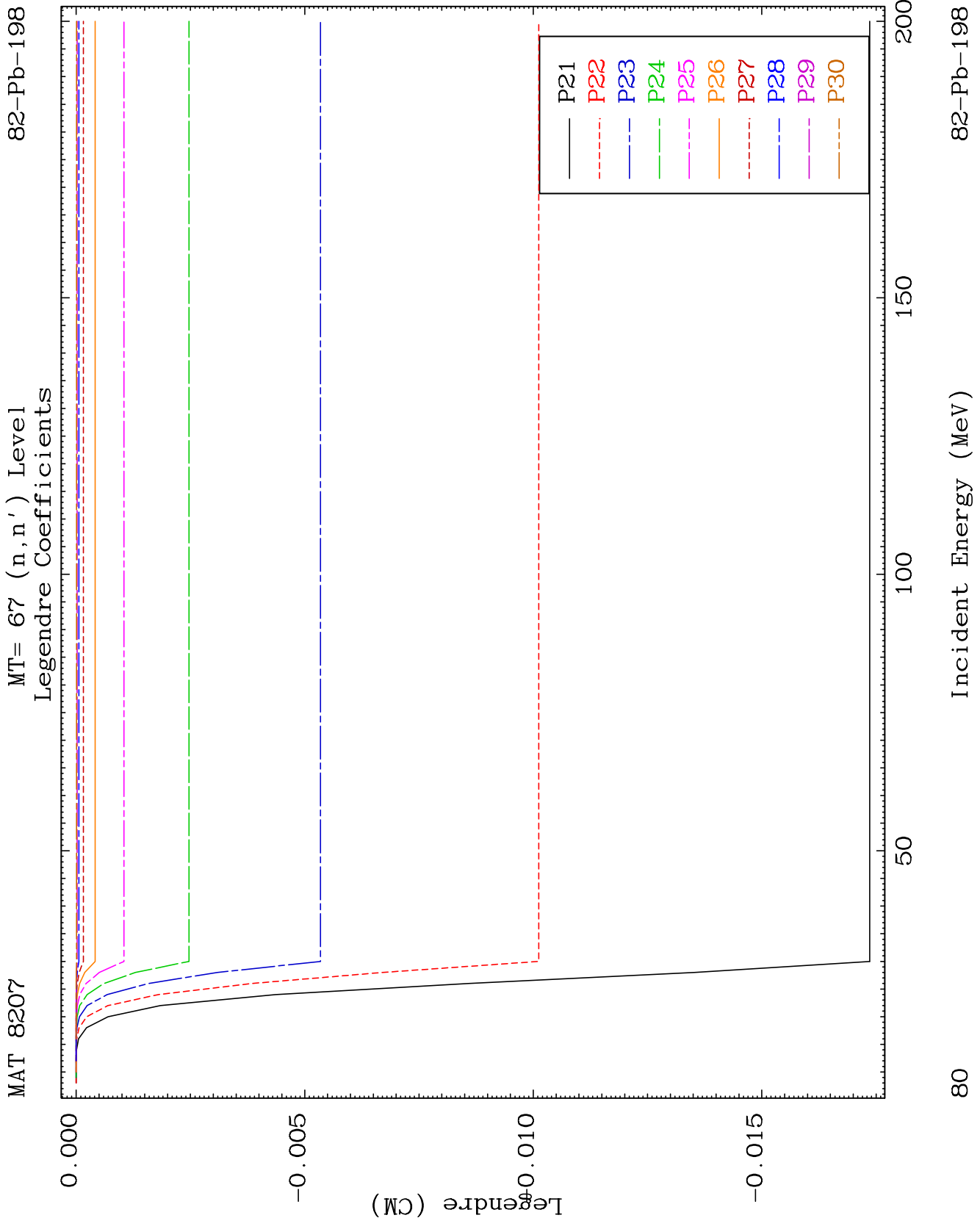
MAT 8207

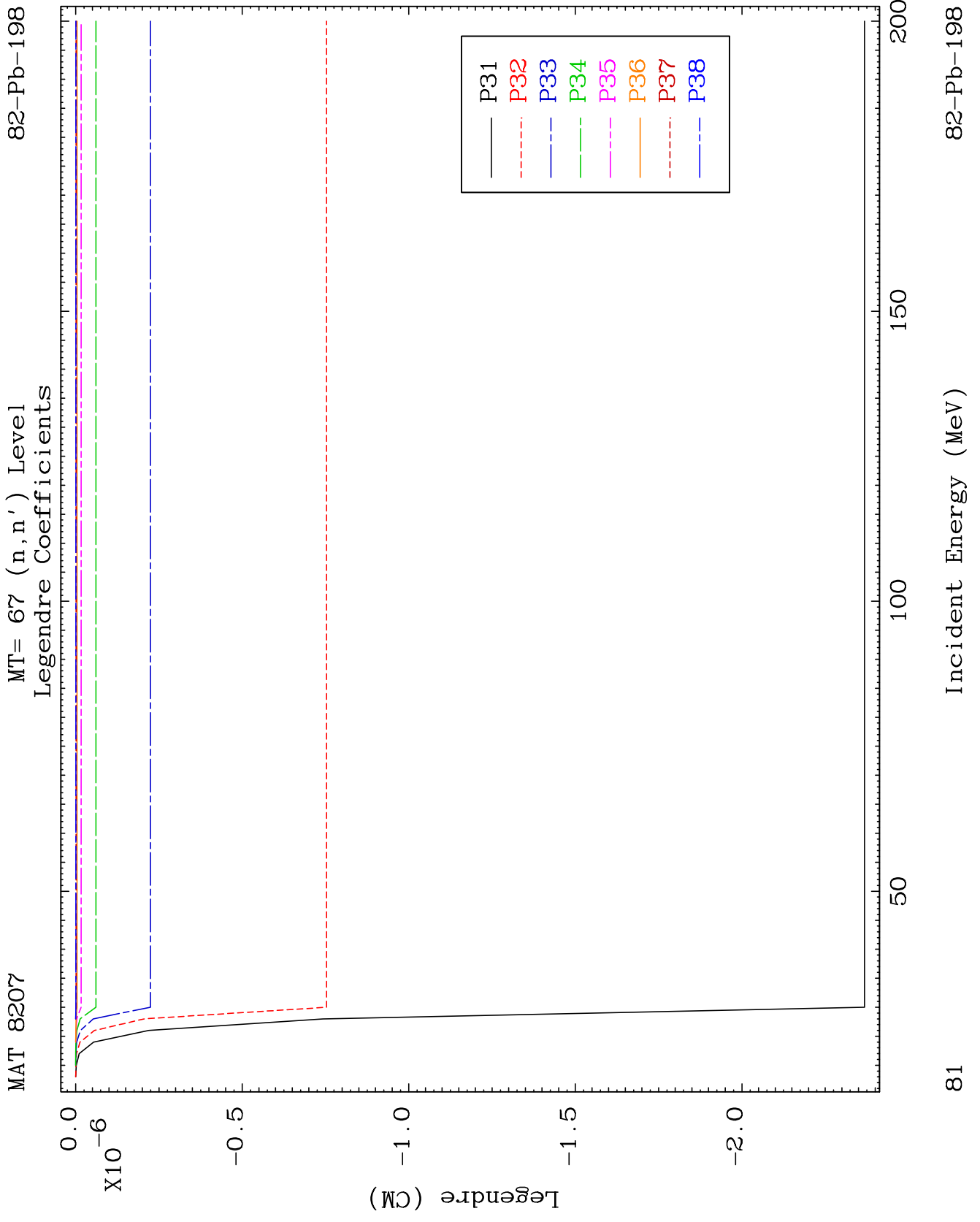
MT= 67 (n,n') Level  
Legendre Coefficients

82-Pb-198





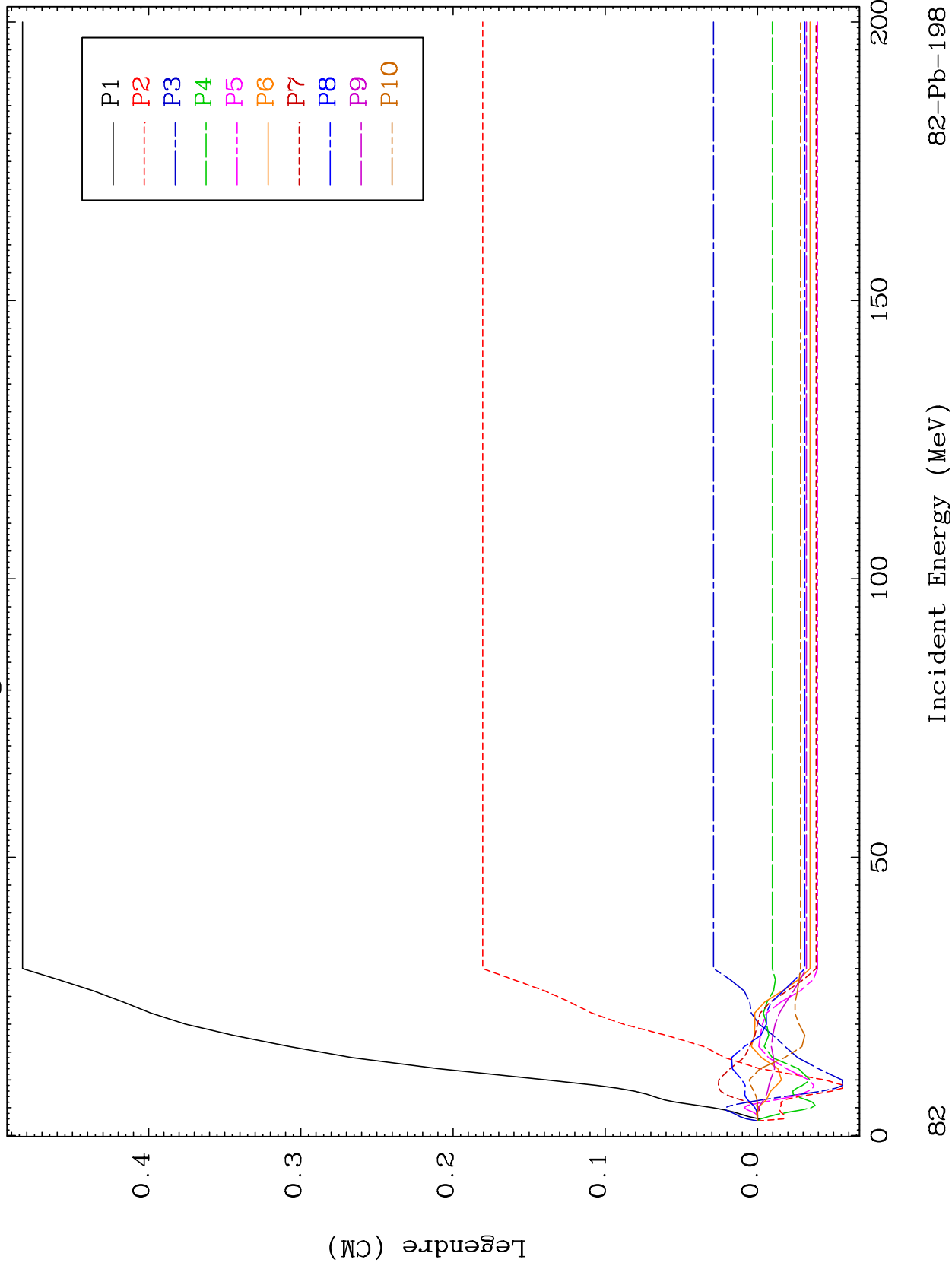


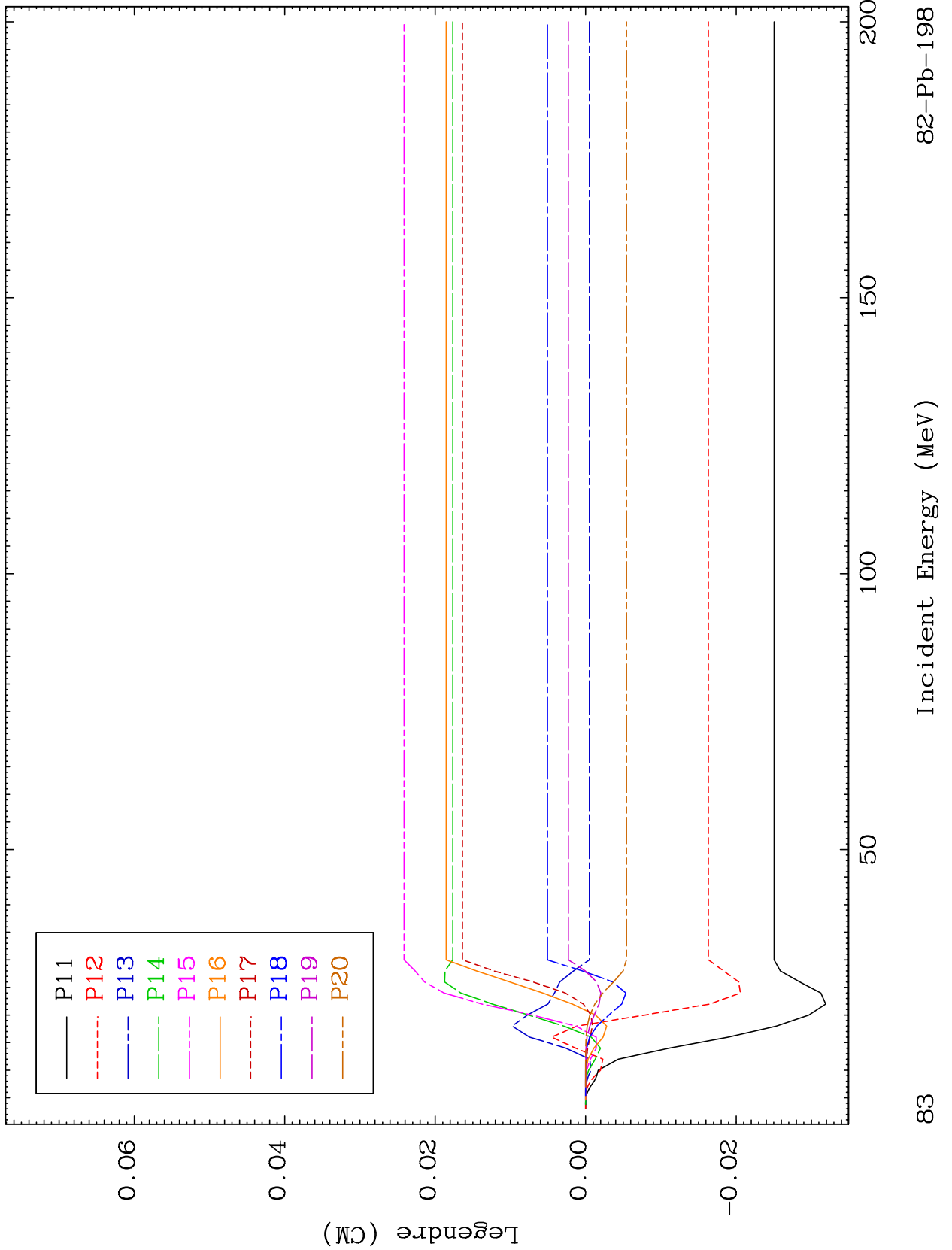


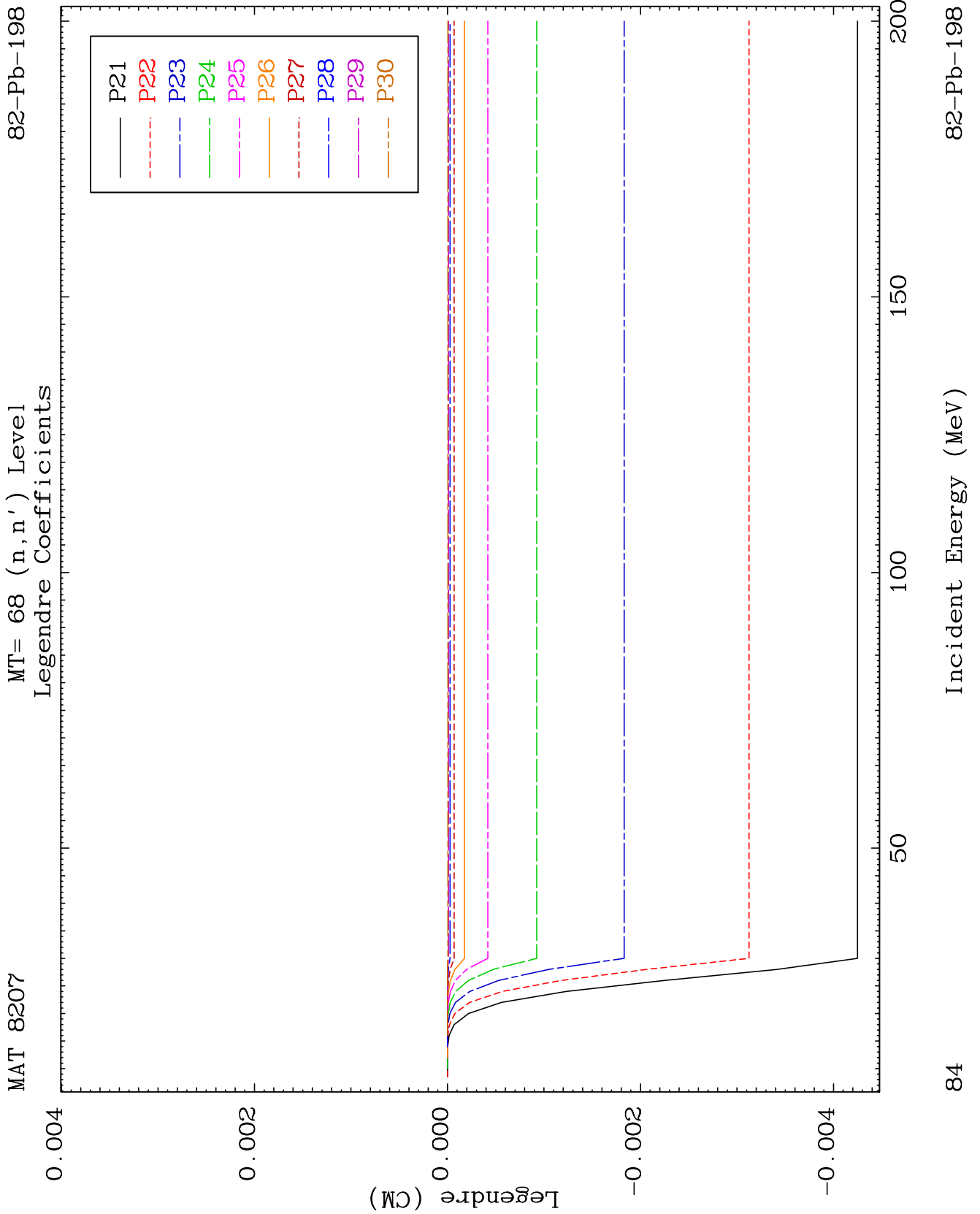
MAT 8207

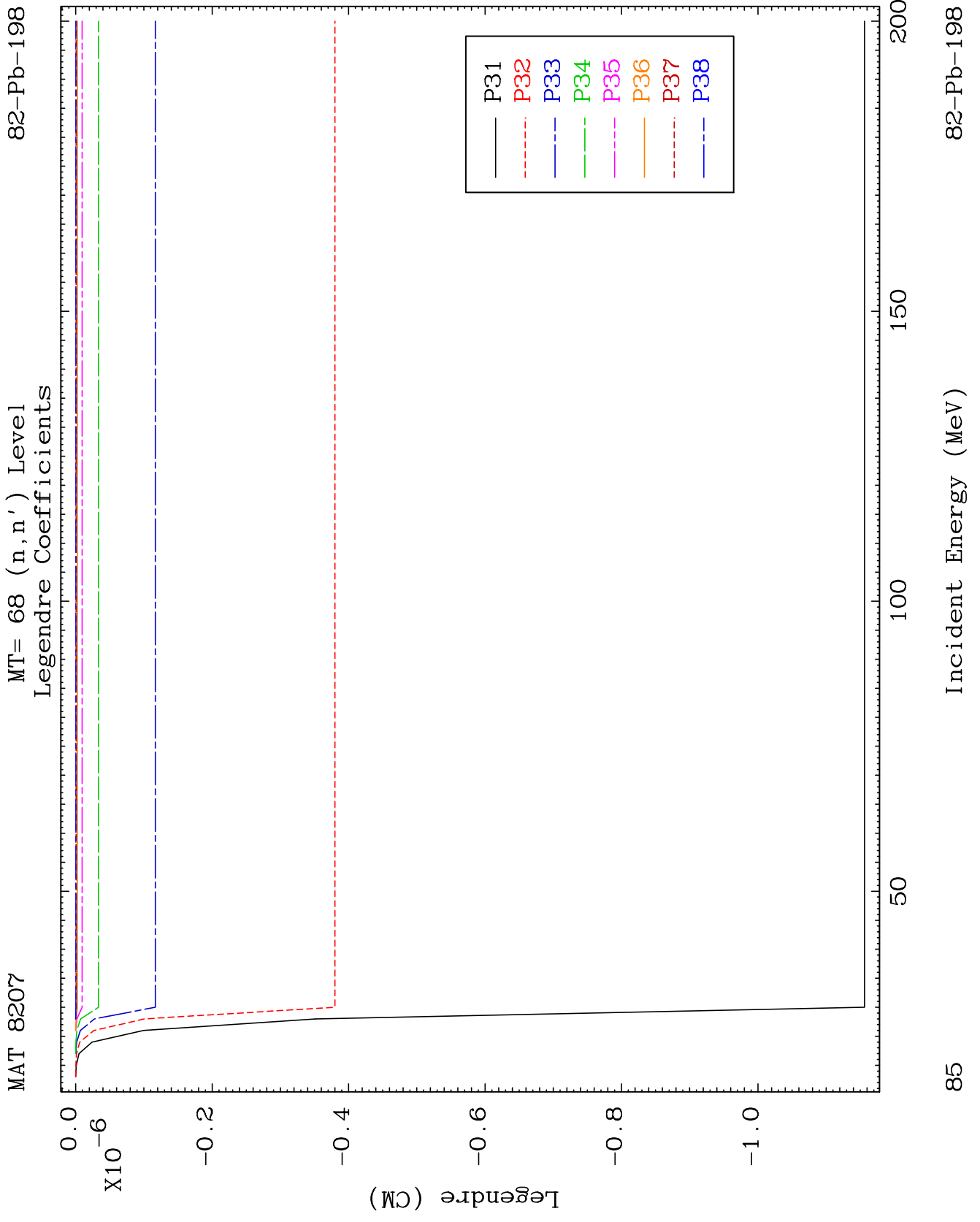
MT= 68 (n,n') Level  
Legendre Coefficients

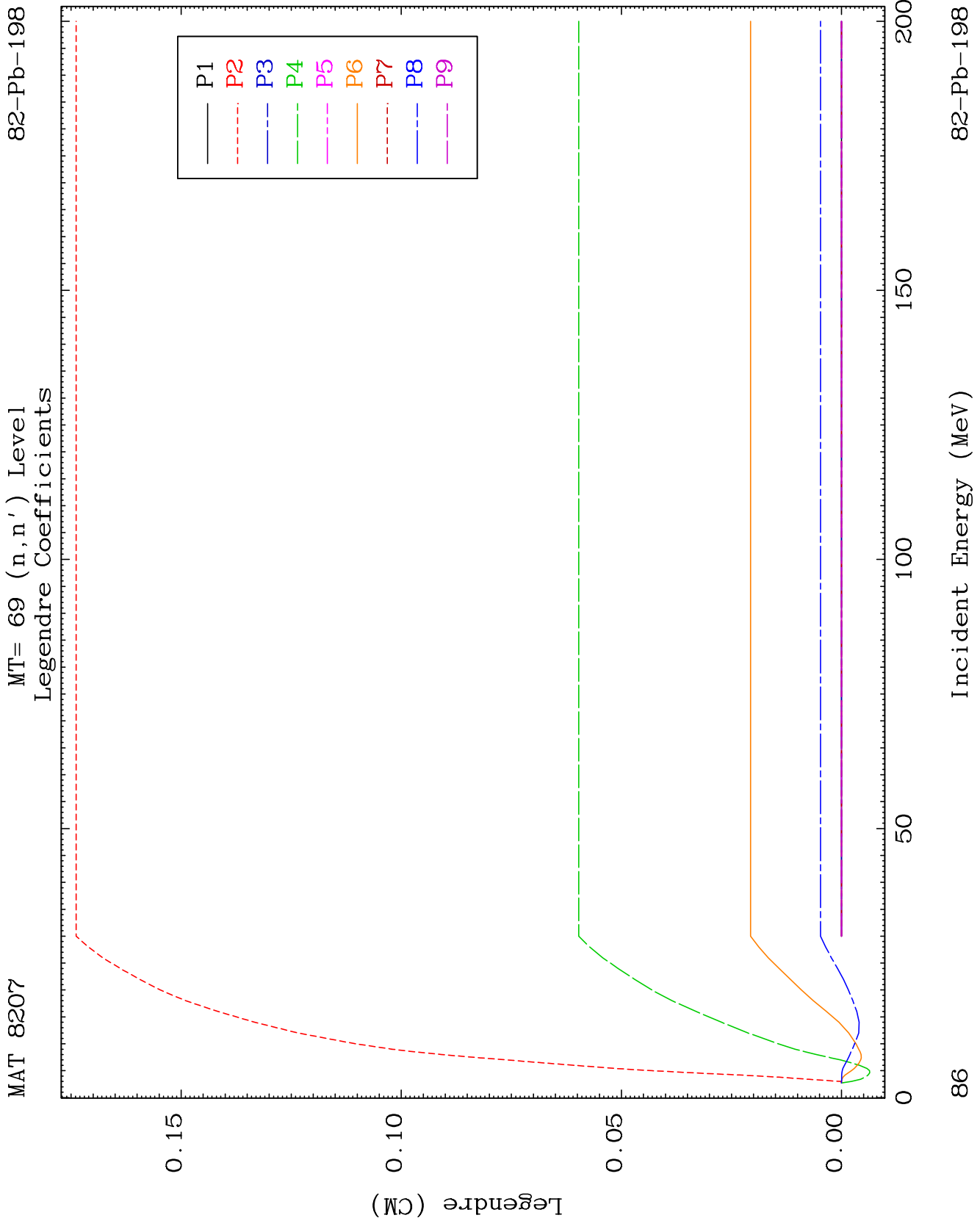
82-Pb-198

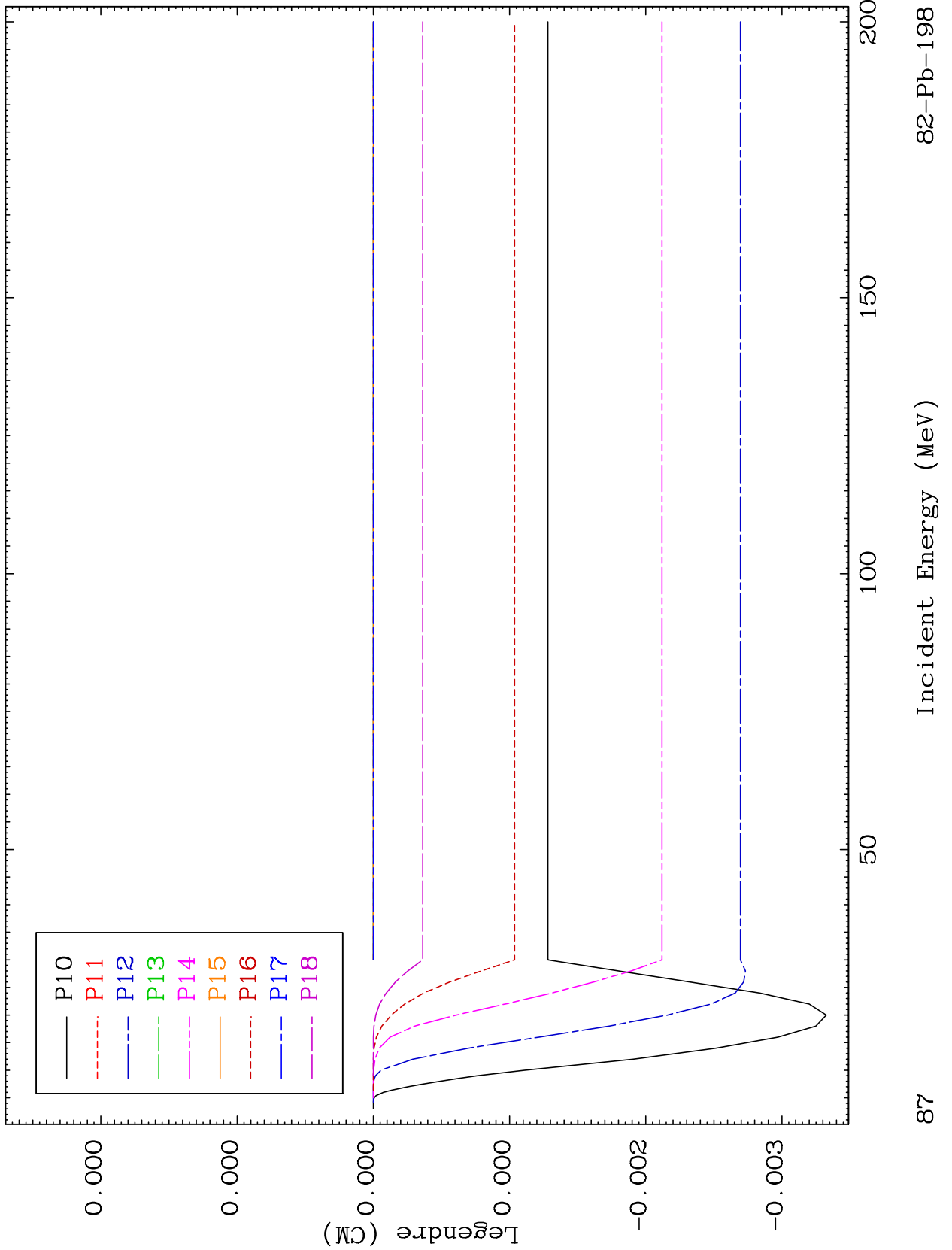




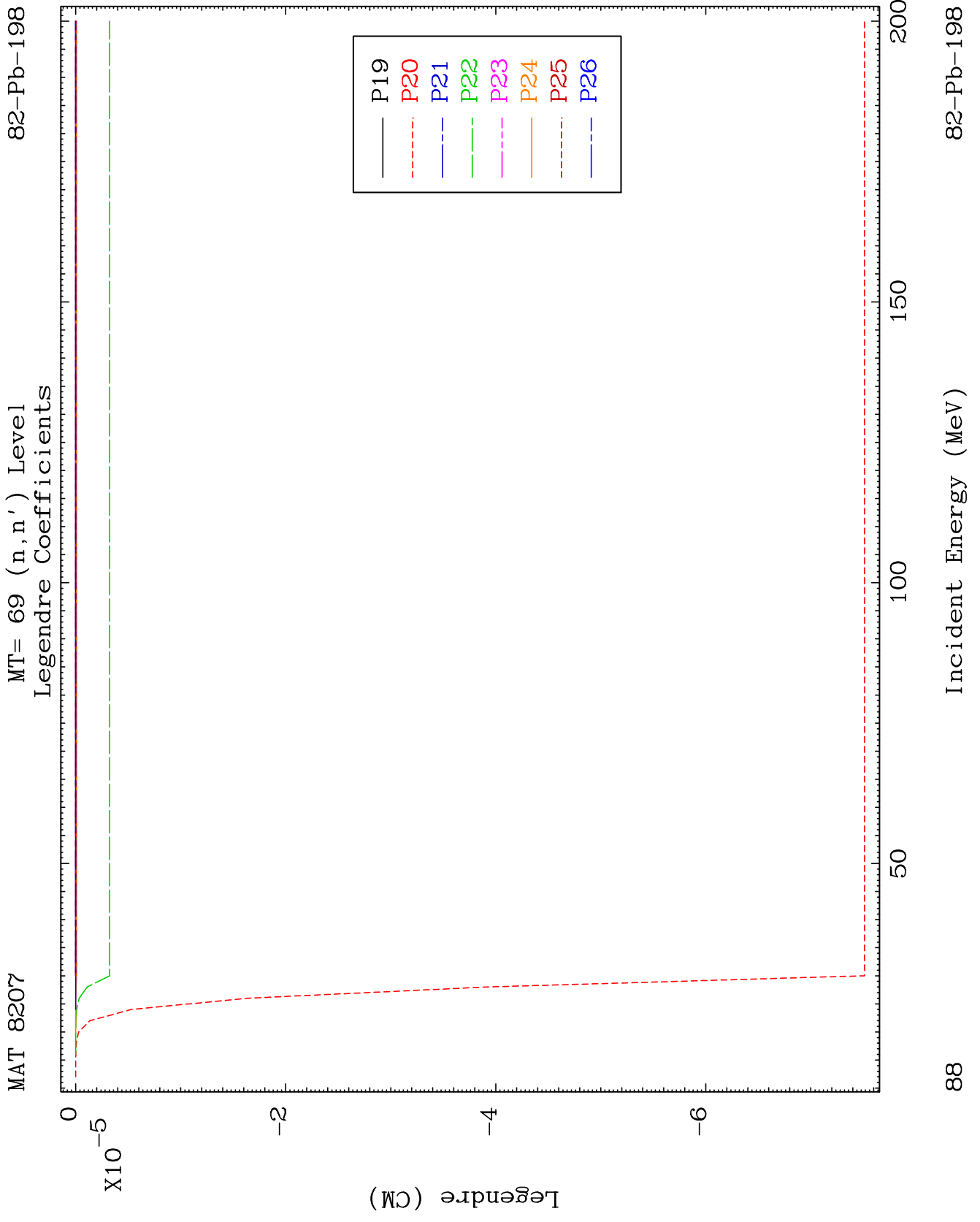










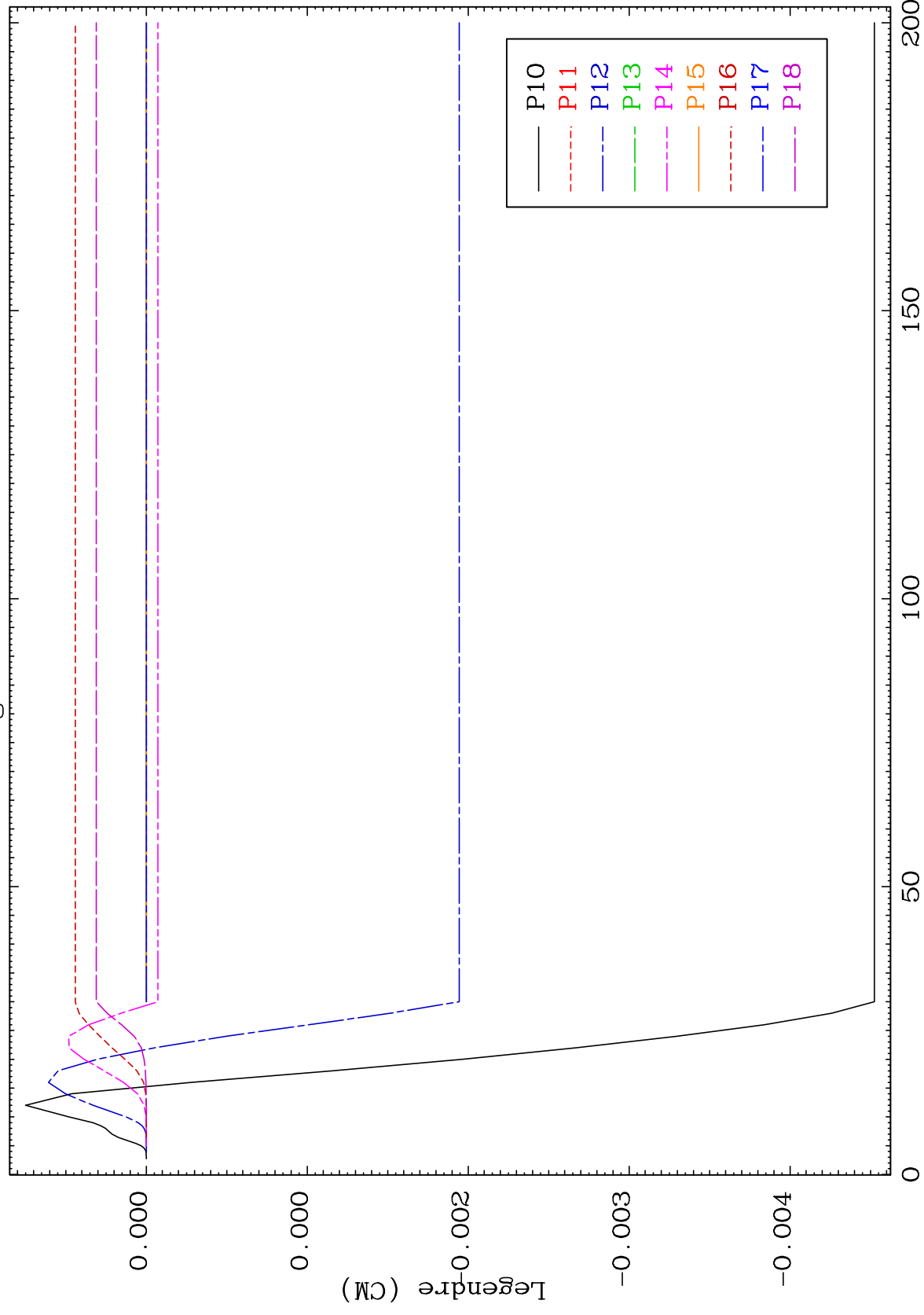




MAT 8207

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

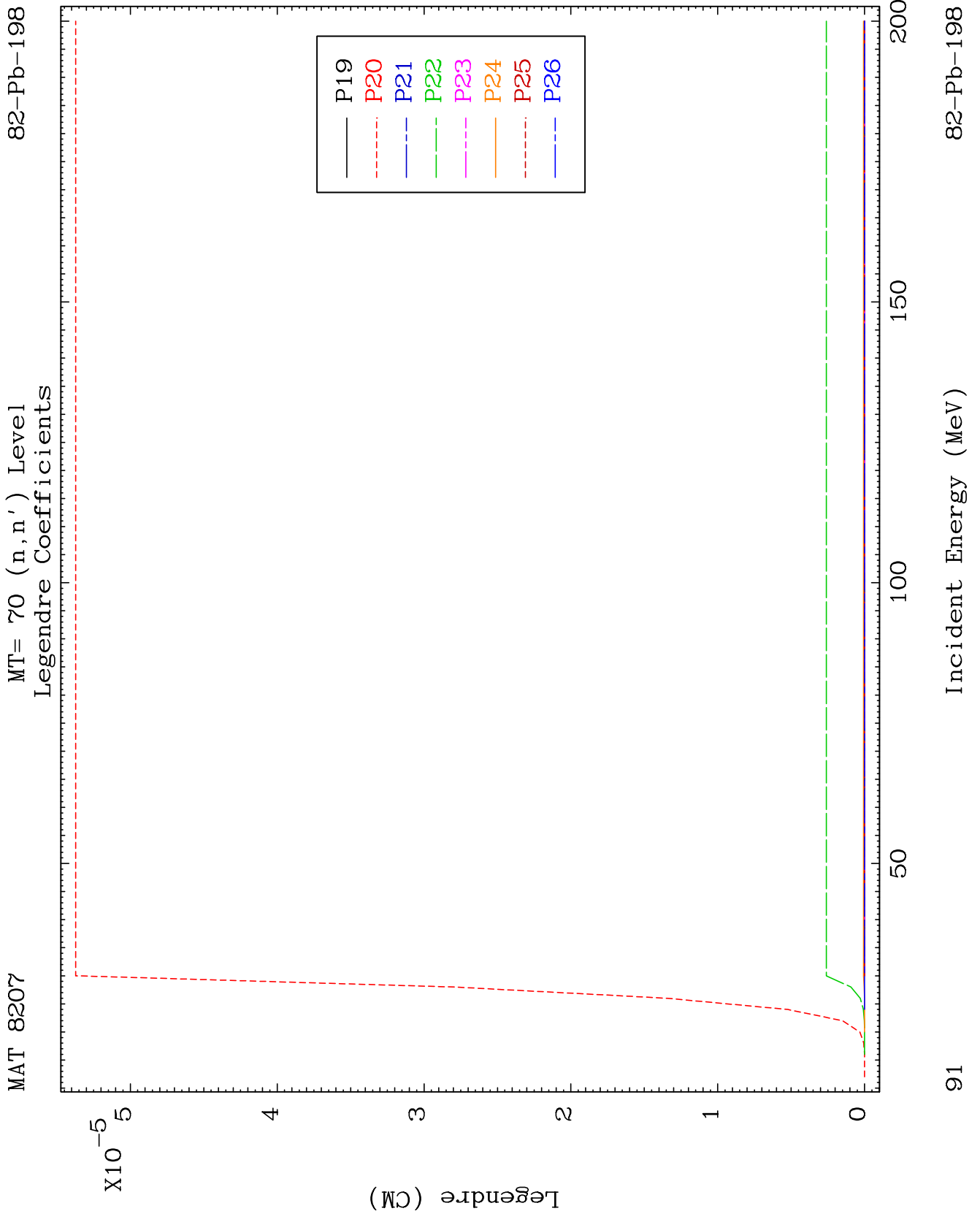
82-Pb-198



90

Incident Energy (MeV)

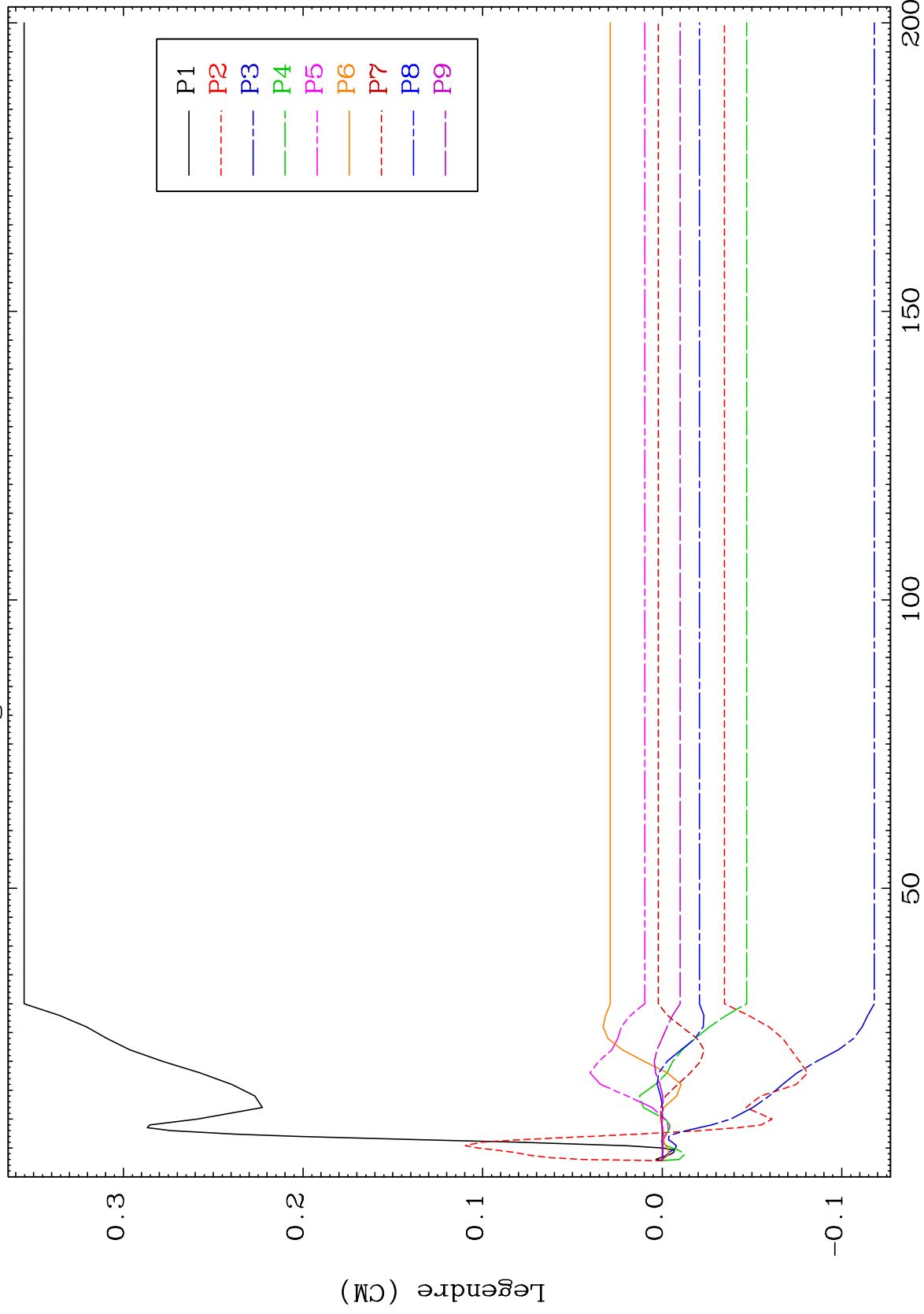
82-Pb-198



MAT 8207

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

82-Pb-198



92

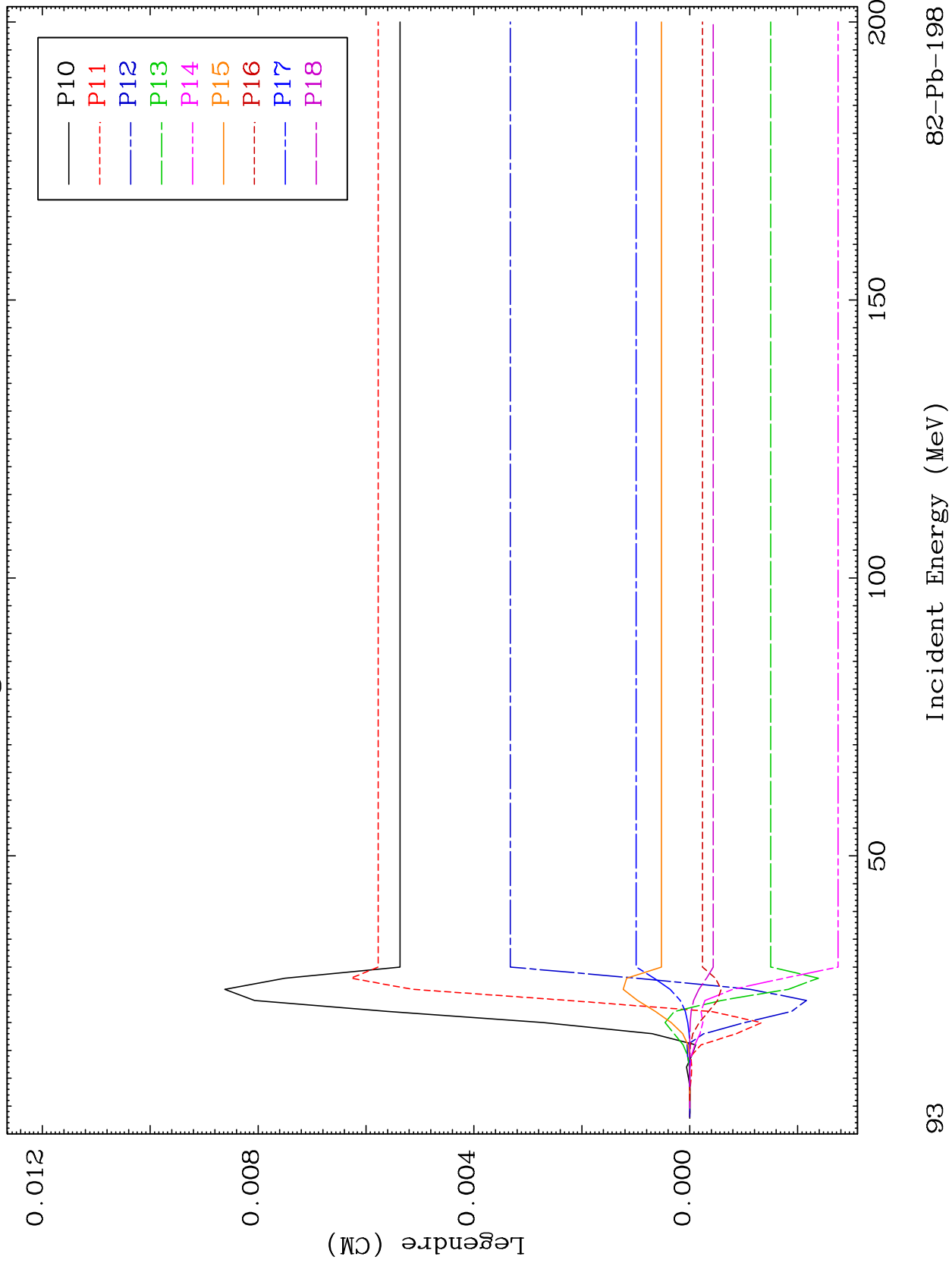
Incident Energy (MeV)

82-Pb-198

MAT 8207

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

82-Pb-198



93

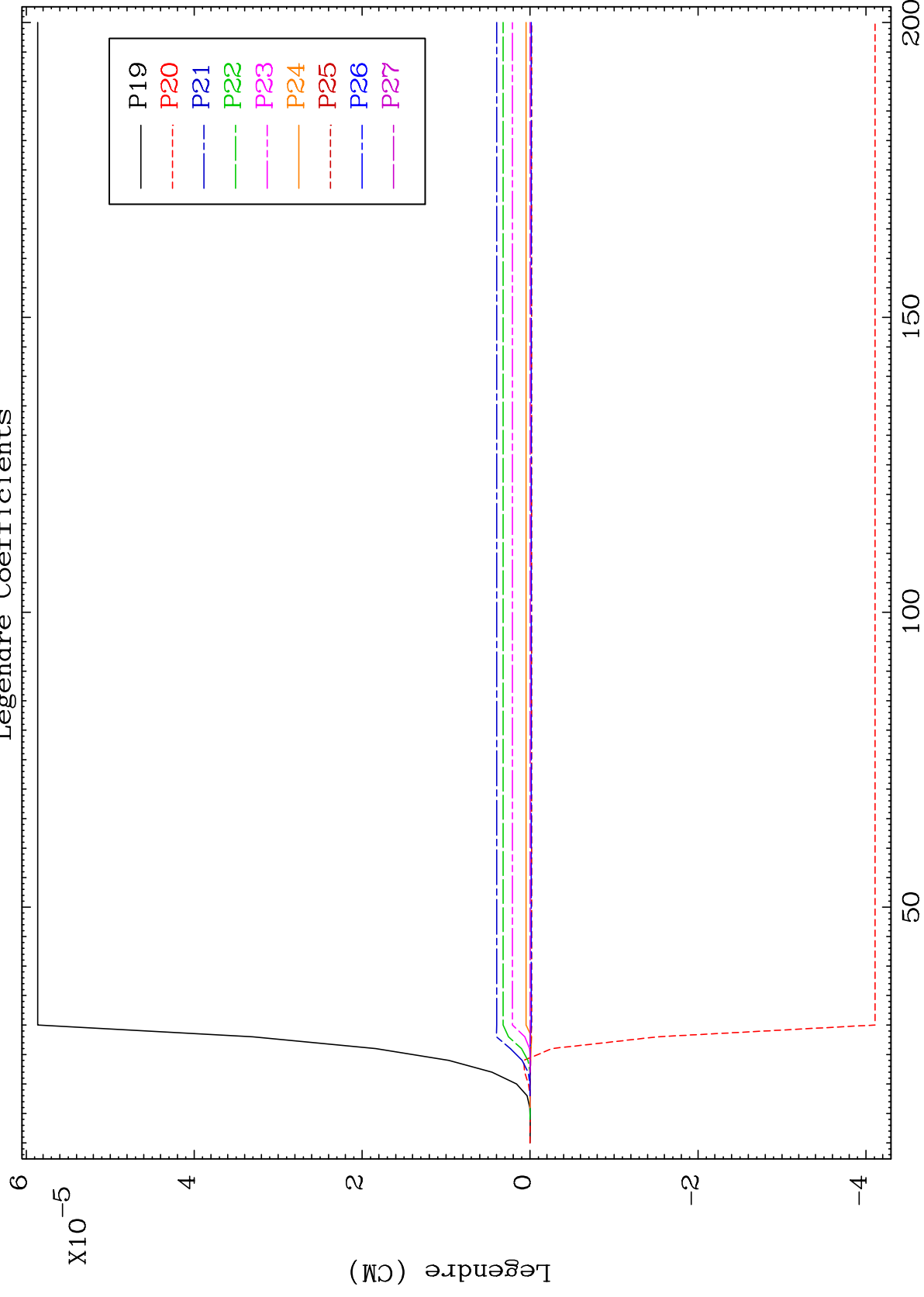
Incident Energy (MeV)

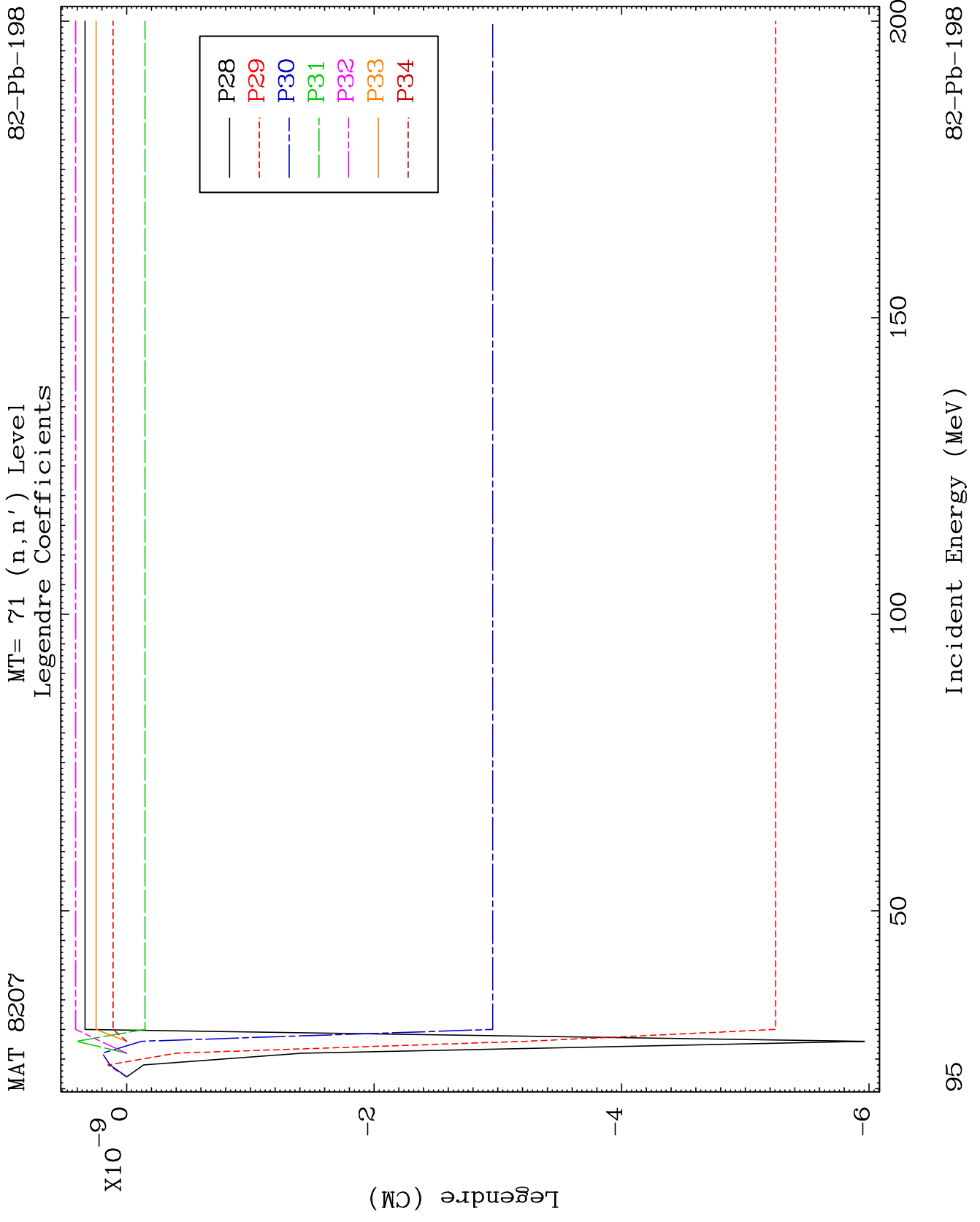
82-Pb-198

MAT 8207

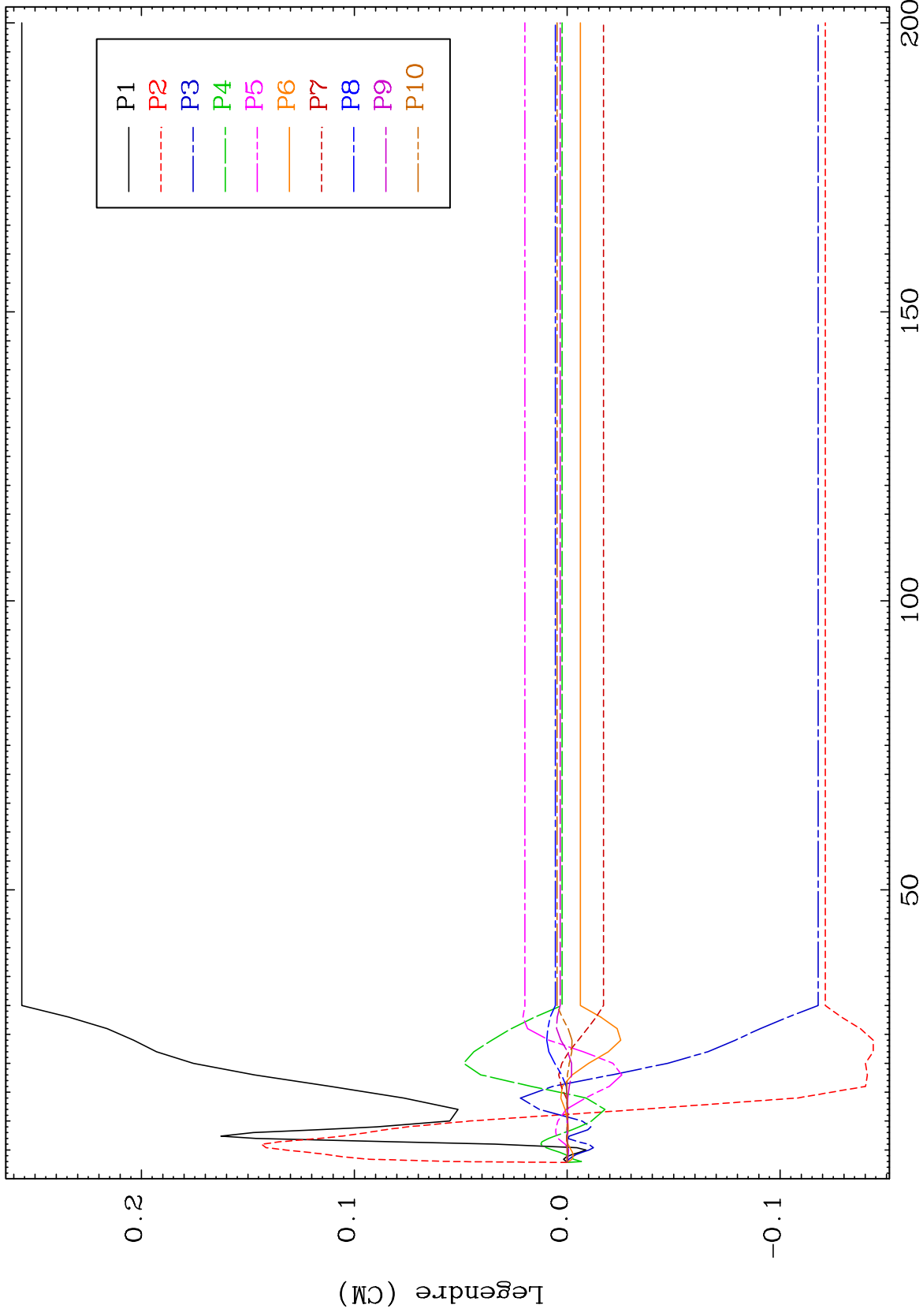
MT= 71 (n,n') Level  
Legendre Coefficients

82-Pb-198





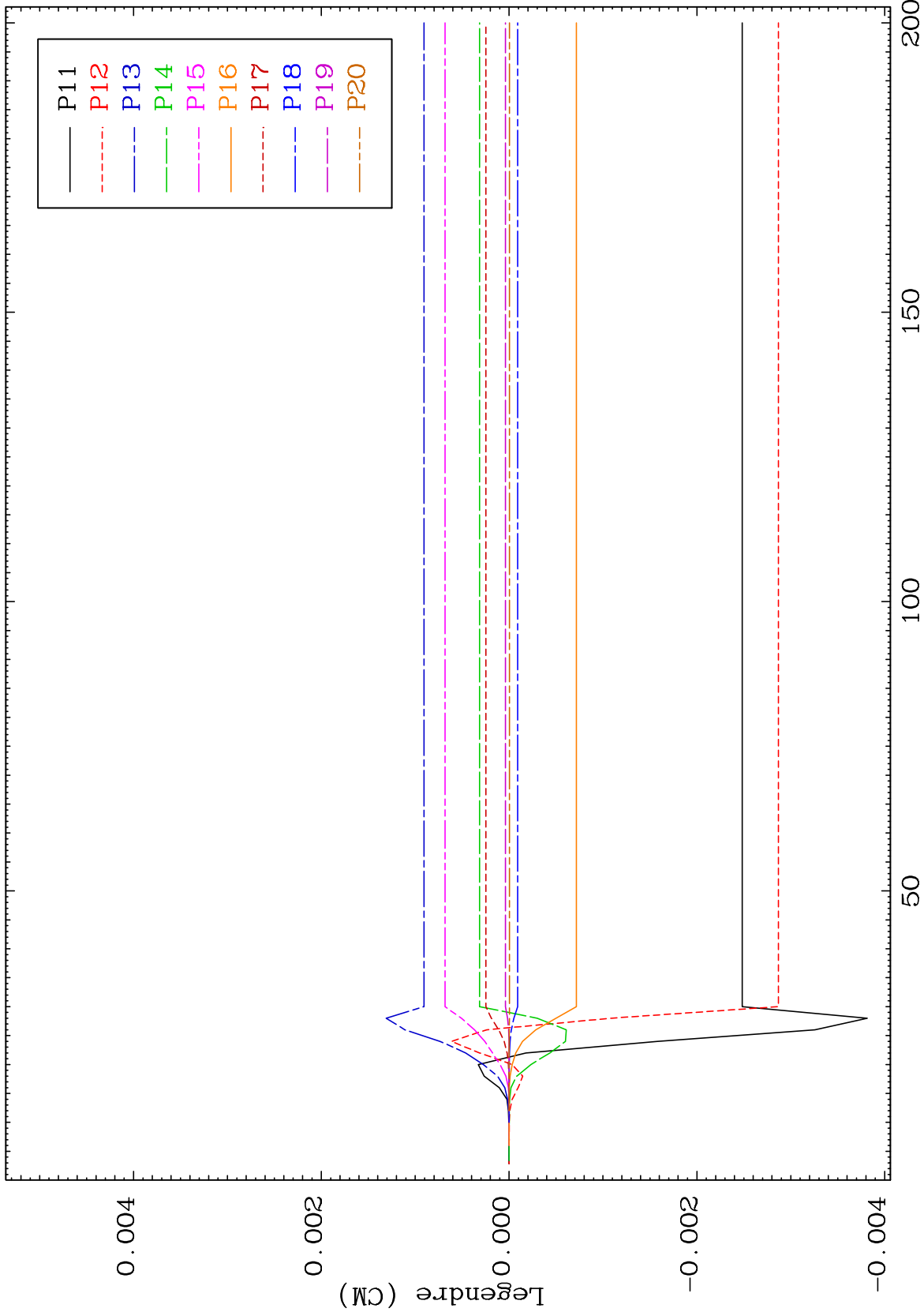




MAT 8207

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

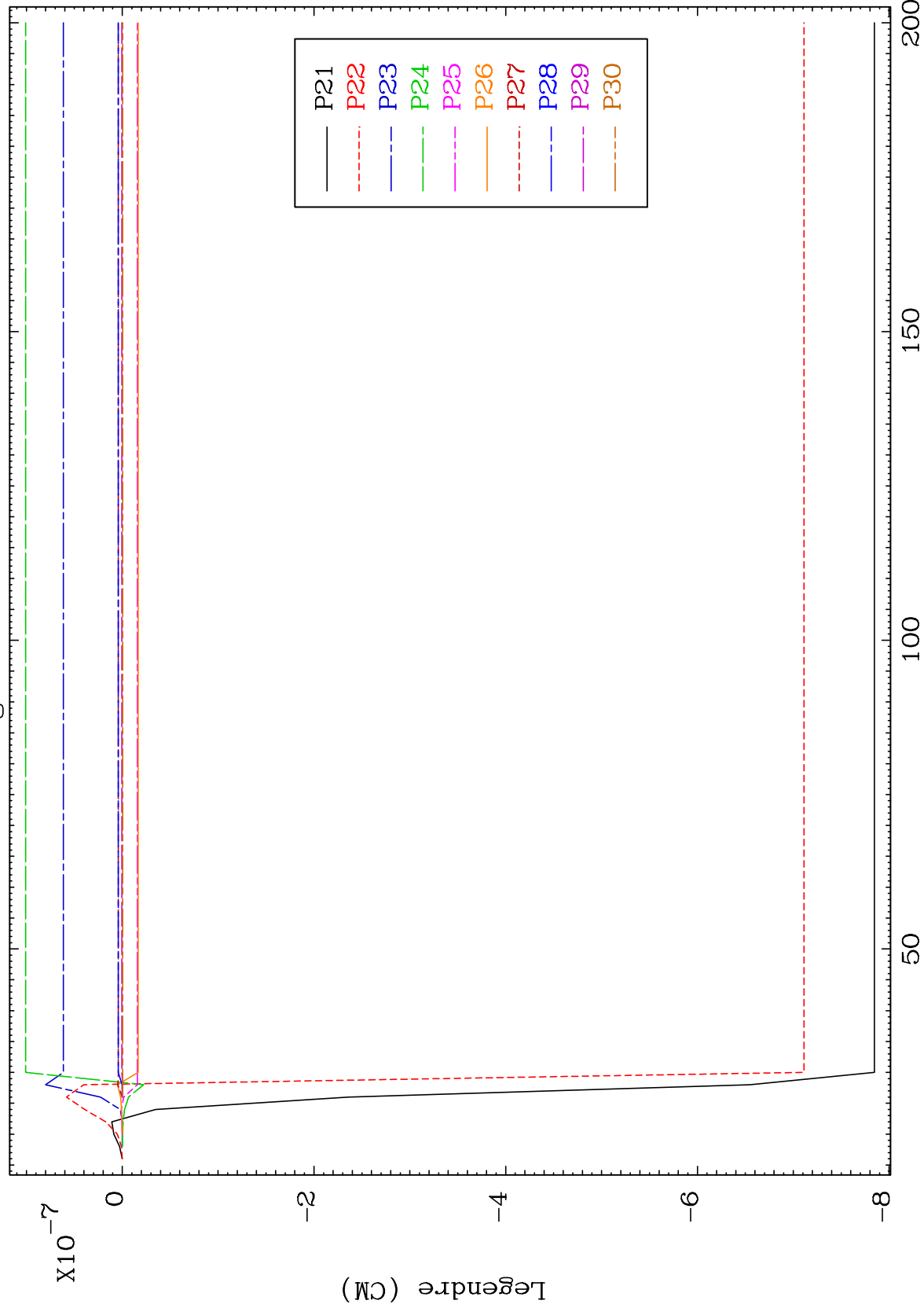
82-Pb-198



MAT 8207

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

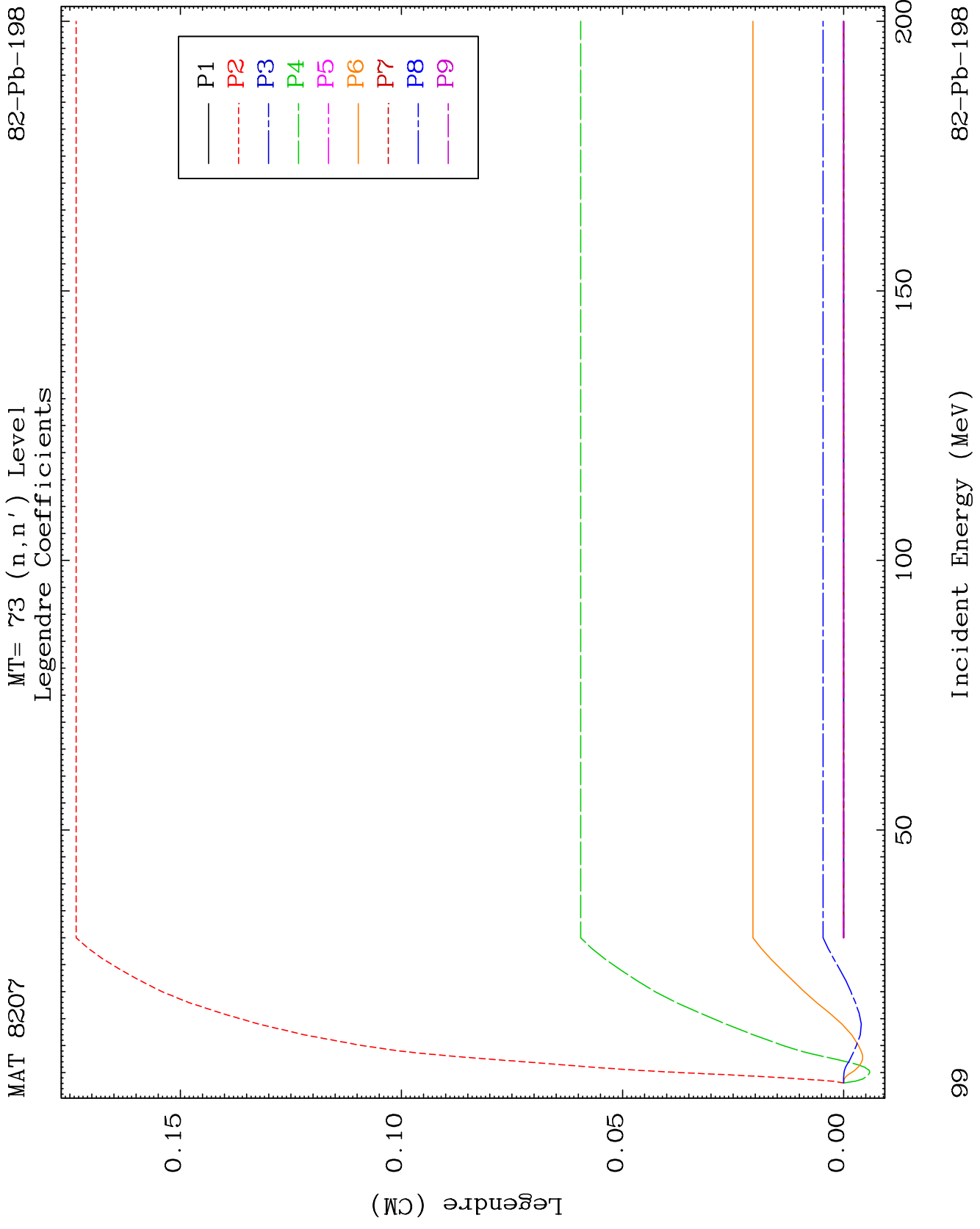
82-Pb-198



98

Incident Energy (MeV)

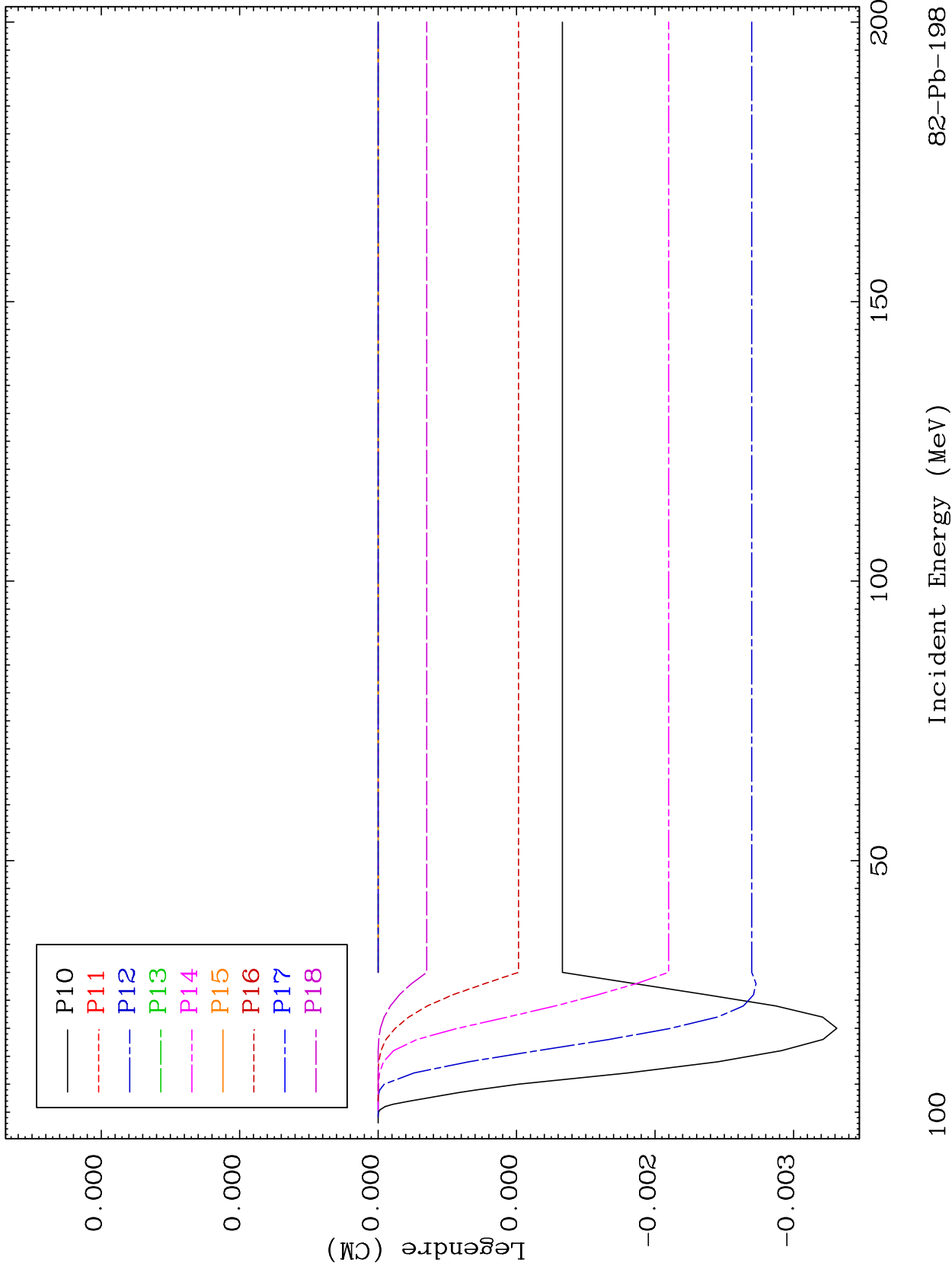
82-Pb-198

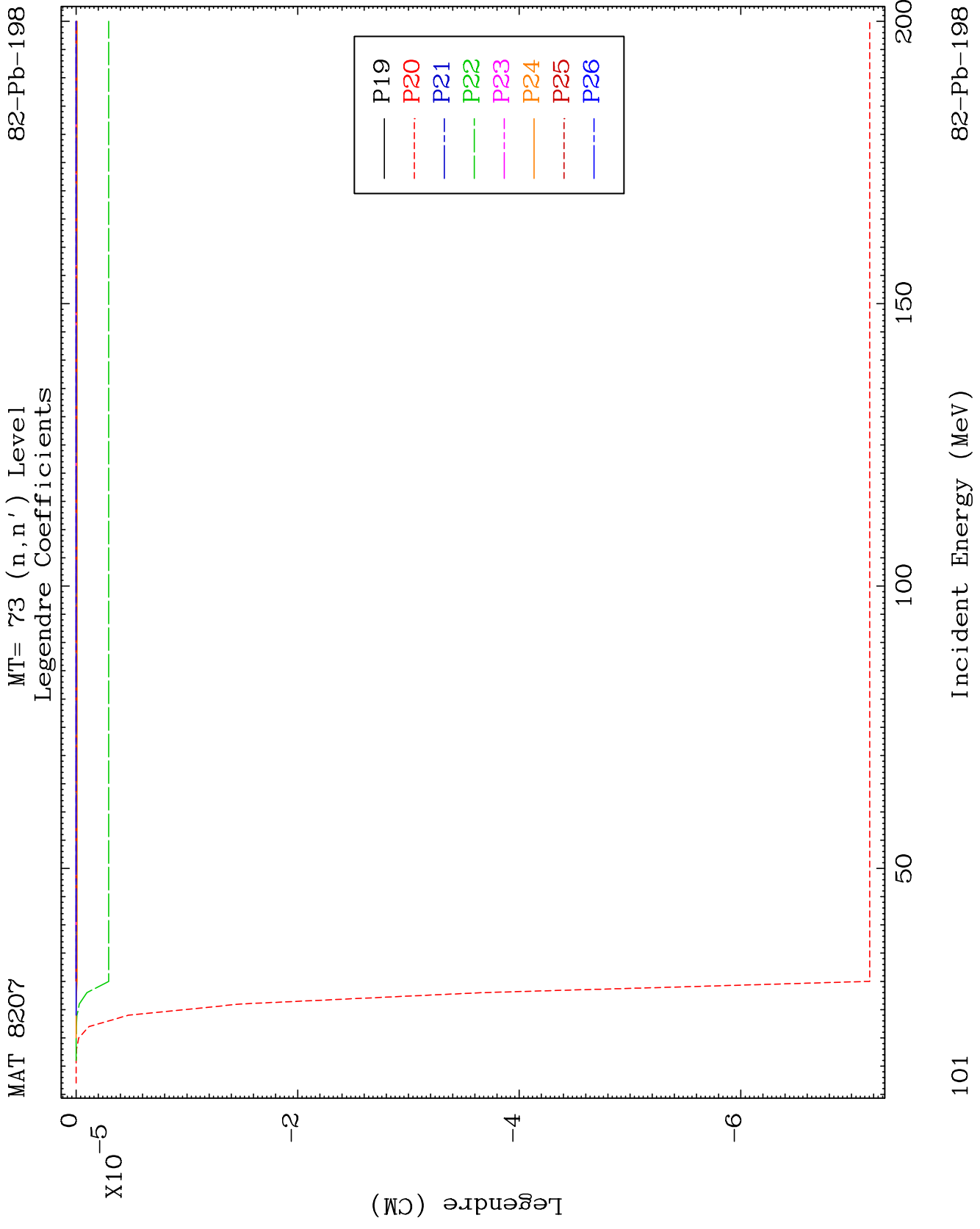


MAT 8207

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

82-Pb-198



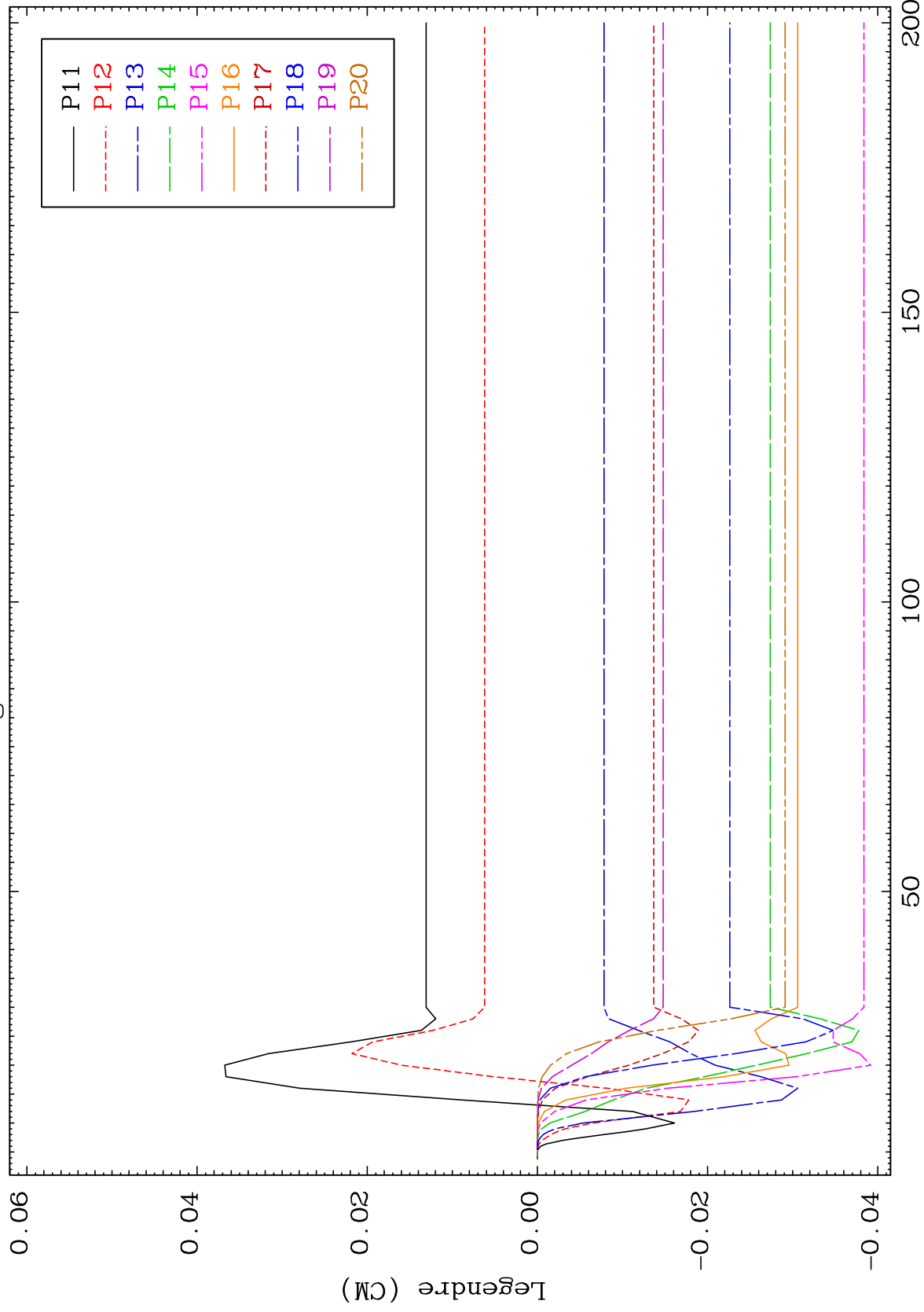




MAT 8207

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

82-Pb-198

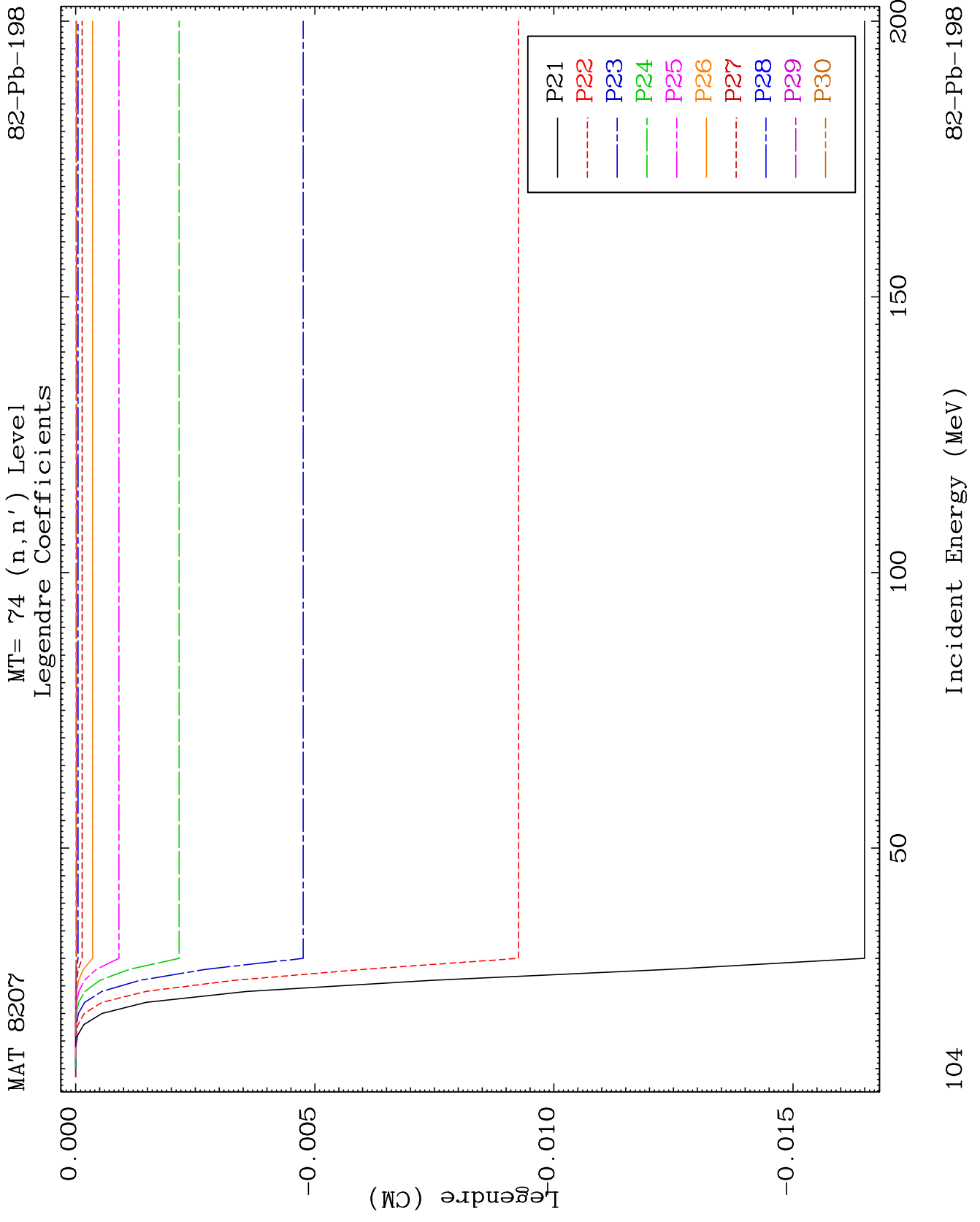


103

Incident Energy (MeV)

82-Pb-198



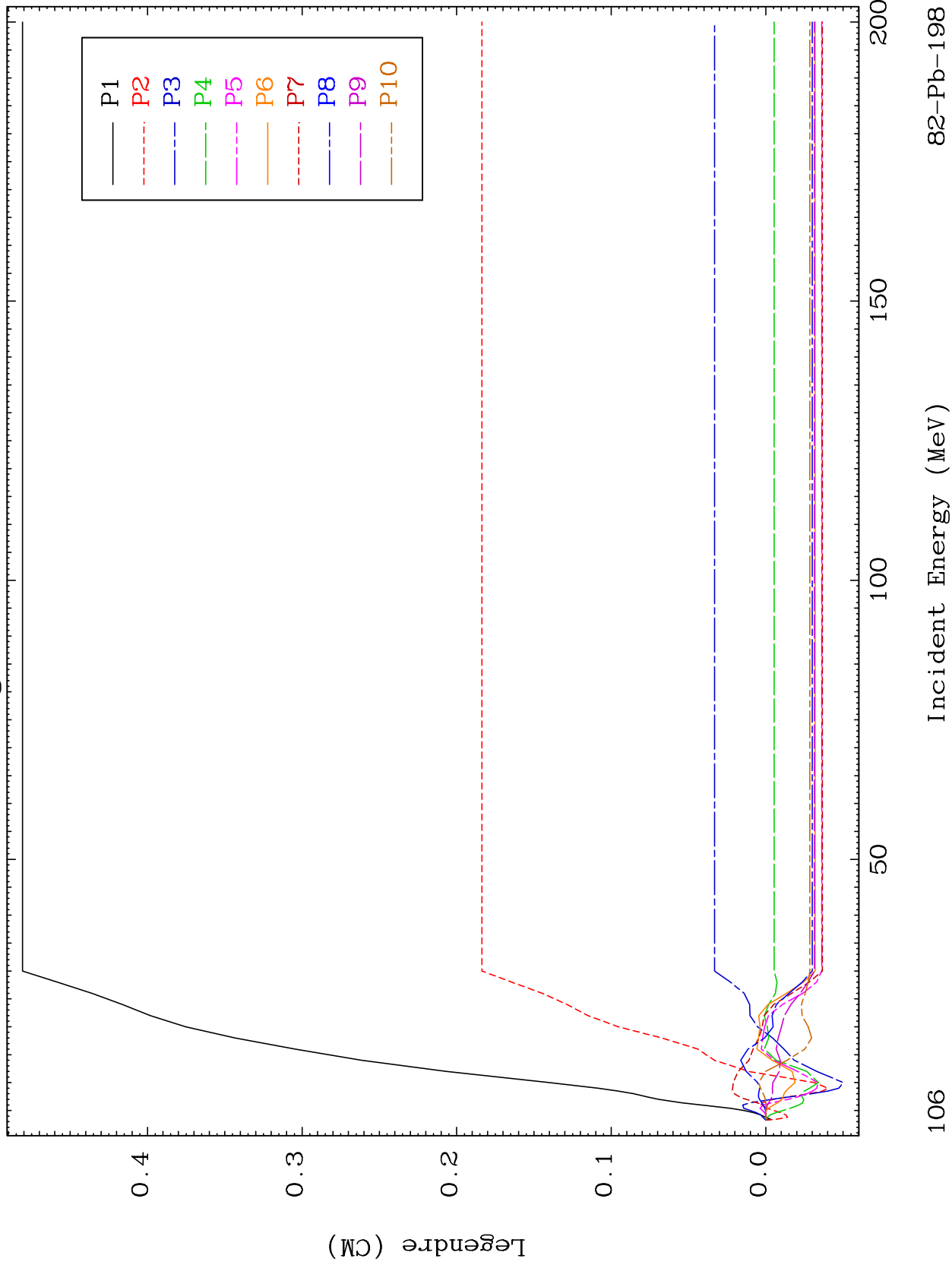




MAT 8207

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

82-Pb-198

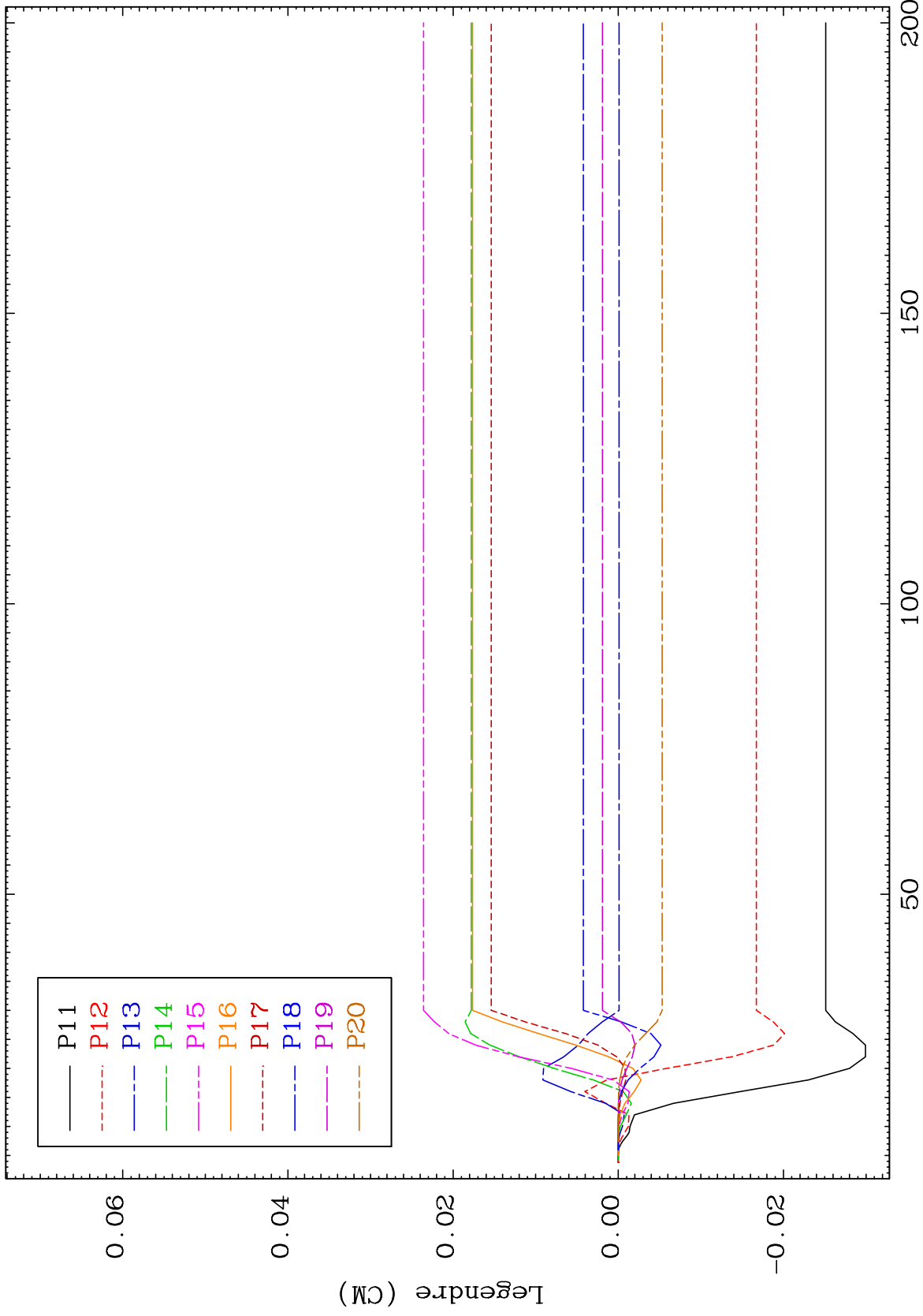


106

MAT 8207

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

82-Pb-198



107

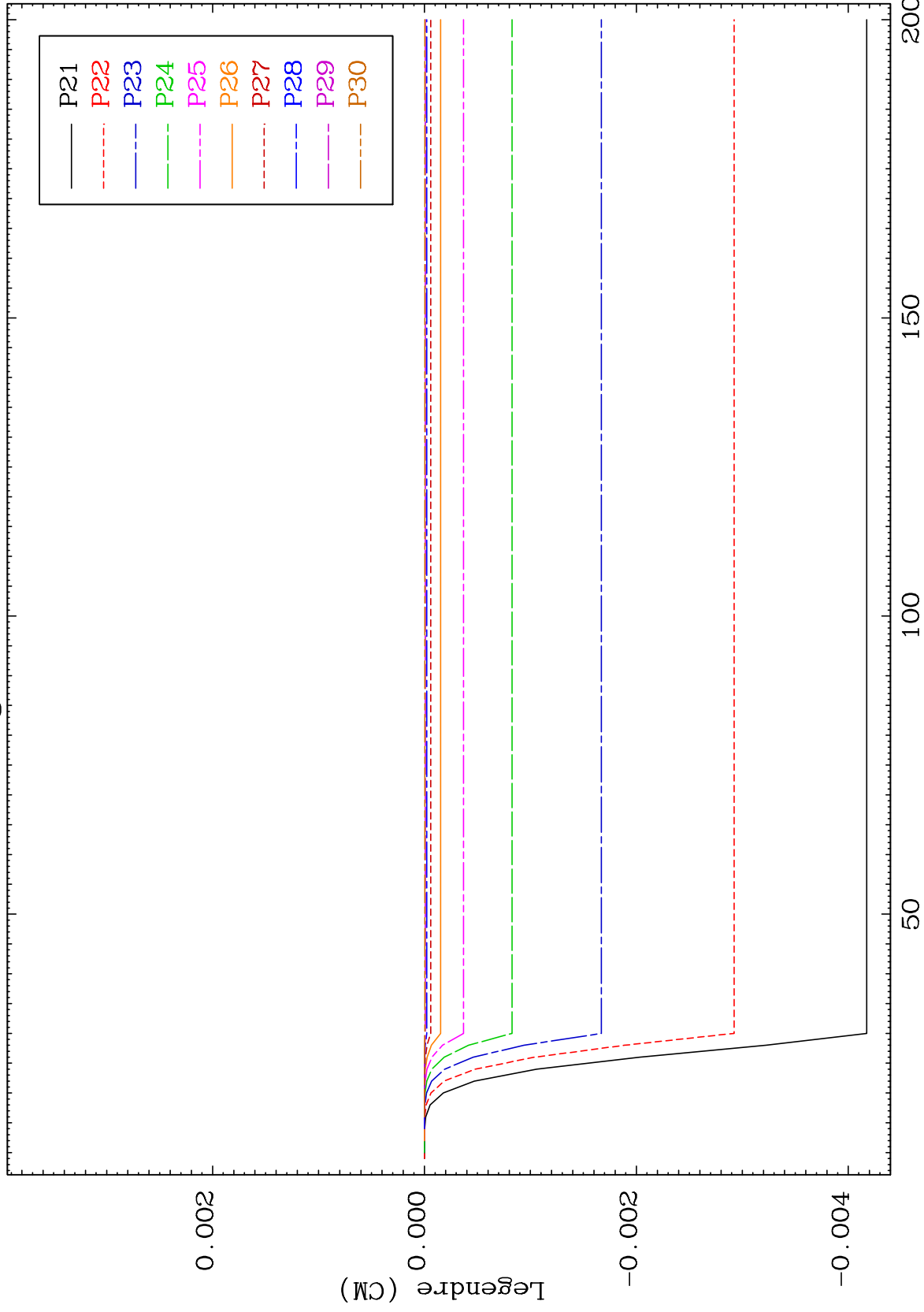
Incident Energy (MeV)

82-Pb-198

MAT 8207

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

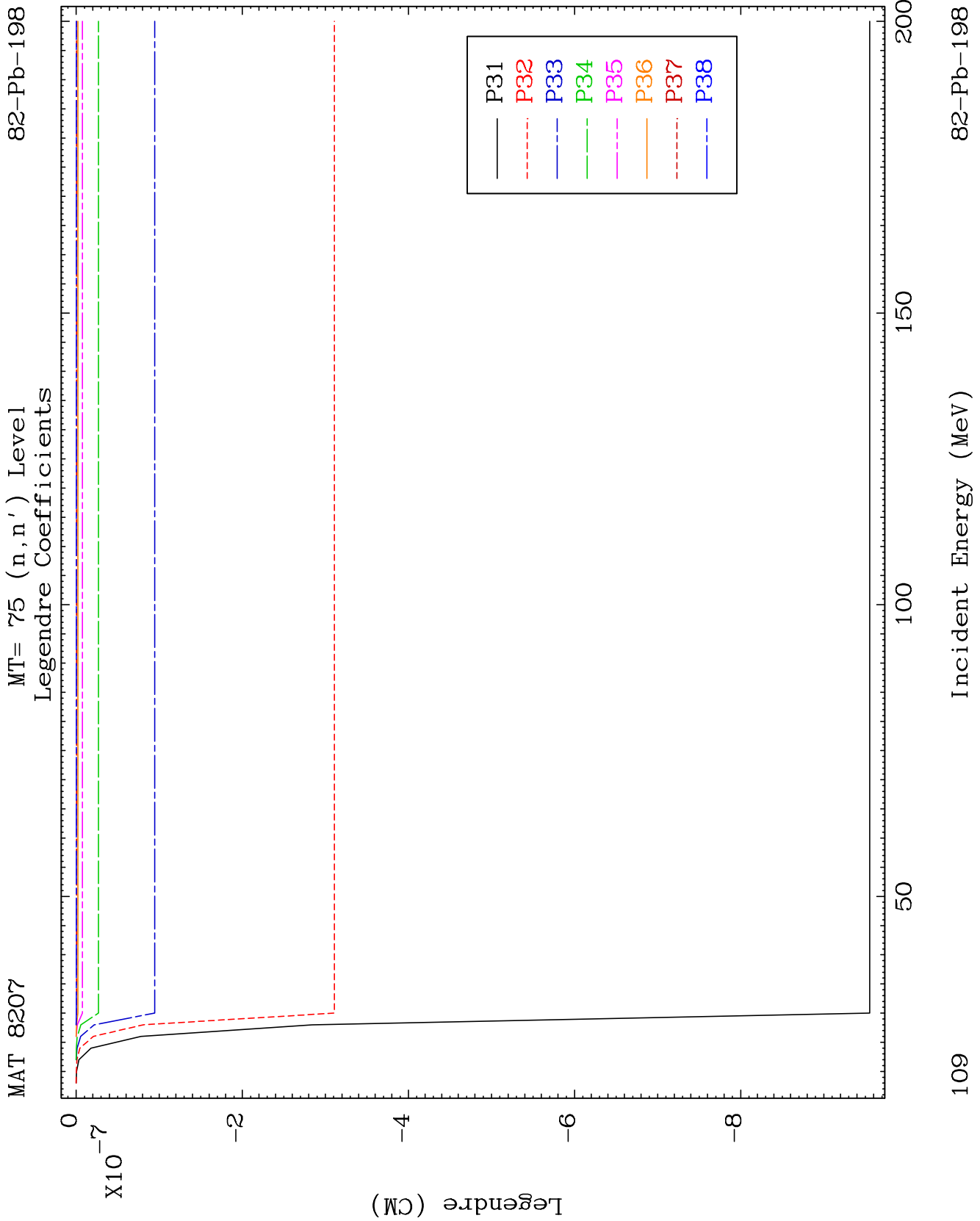
82-Pb-198



108

Incident Energy (MeV)

82-Pb-198

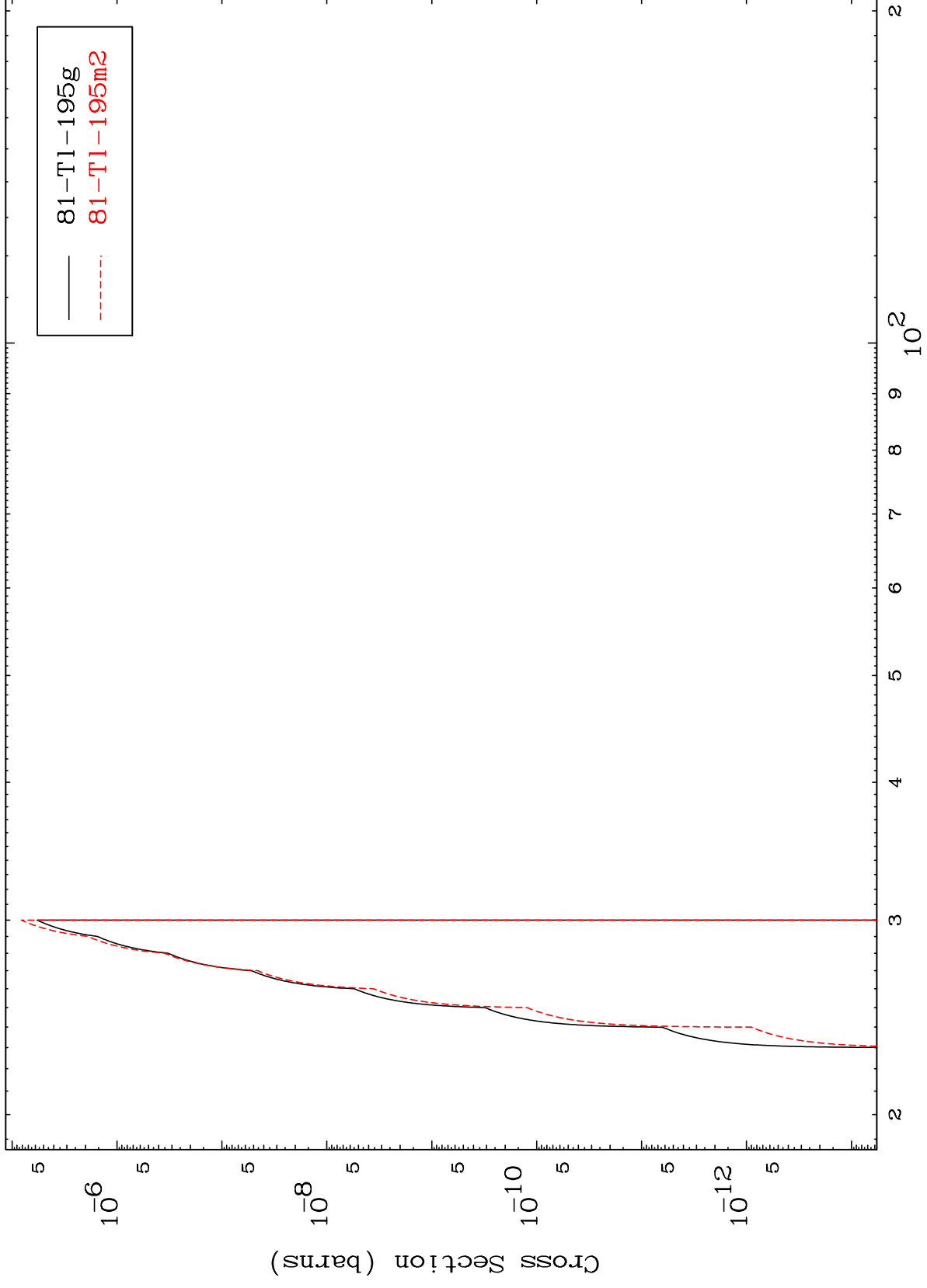


MAT 8207

(n,2n) d

82-Pb-198

Radionuclide Production Cross Section



110

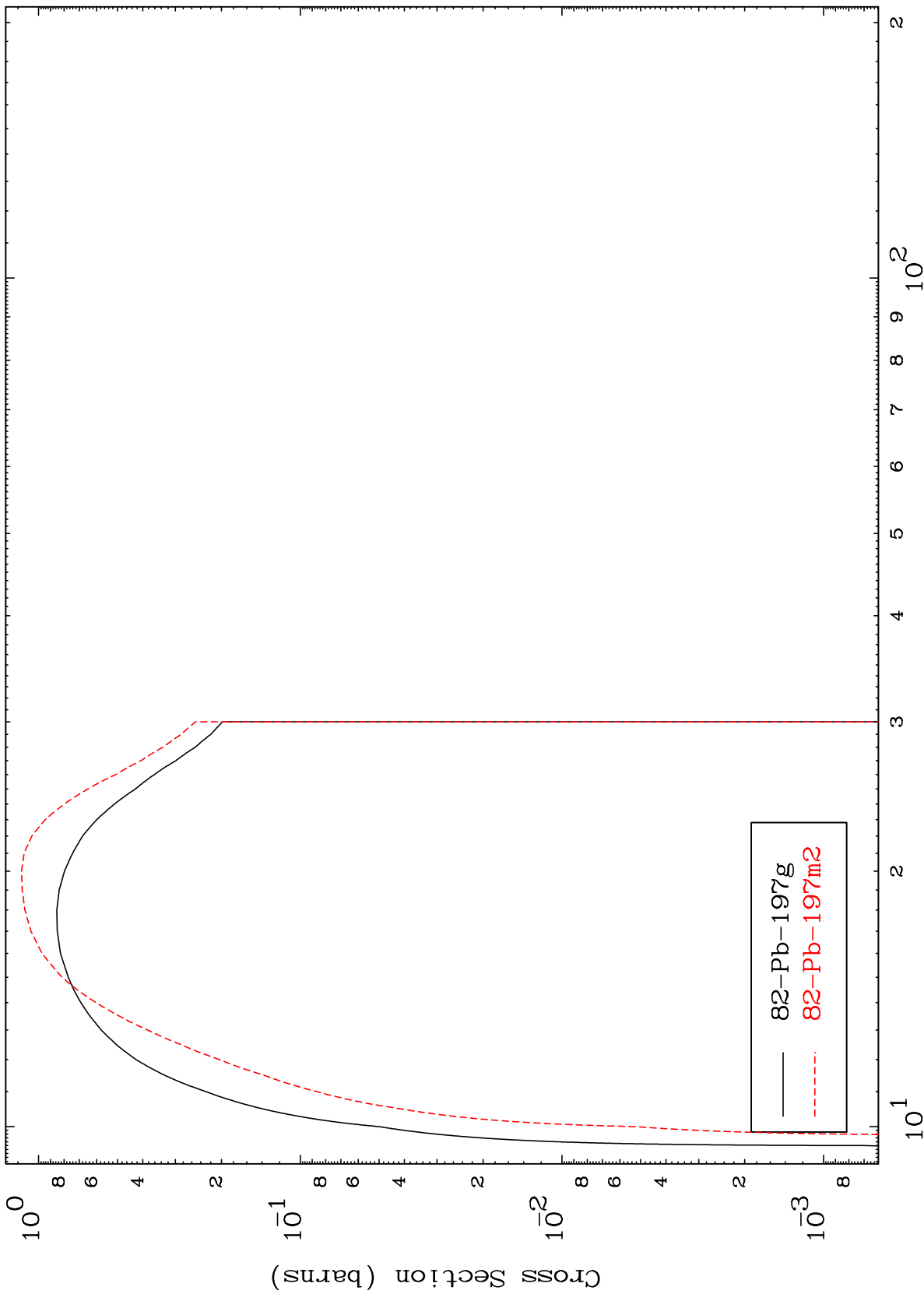
Incident Energy (MeV)

82-Pb-198

MAT 8207

82-Pb-198

(n,2n)  
Radionuclide Production Cross Section



82-Pb-198

Incident Energy (MeV)

111

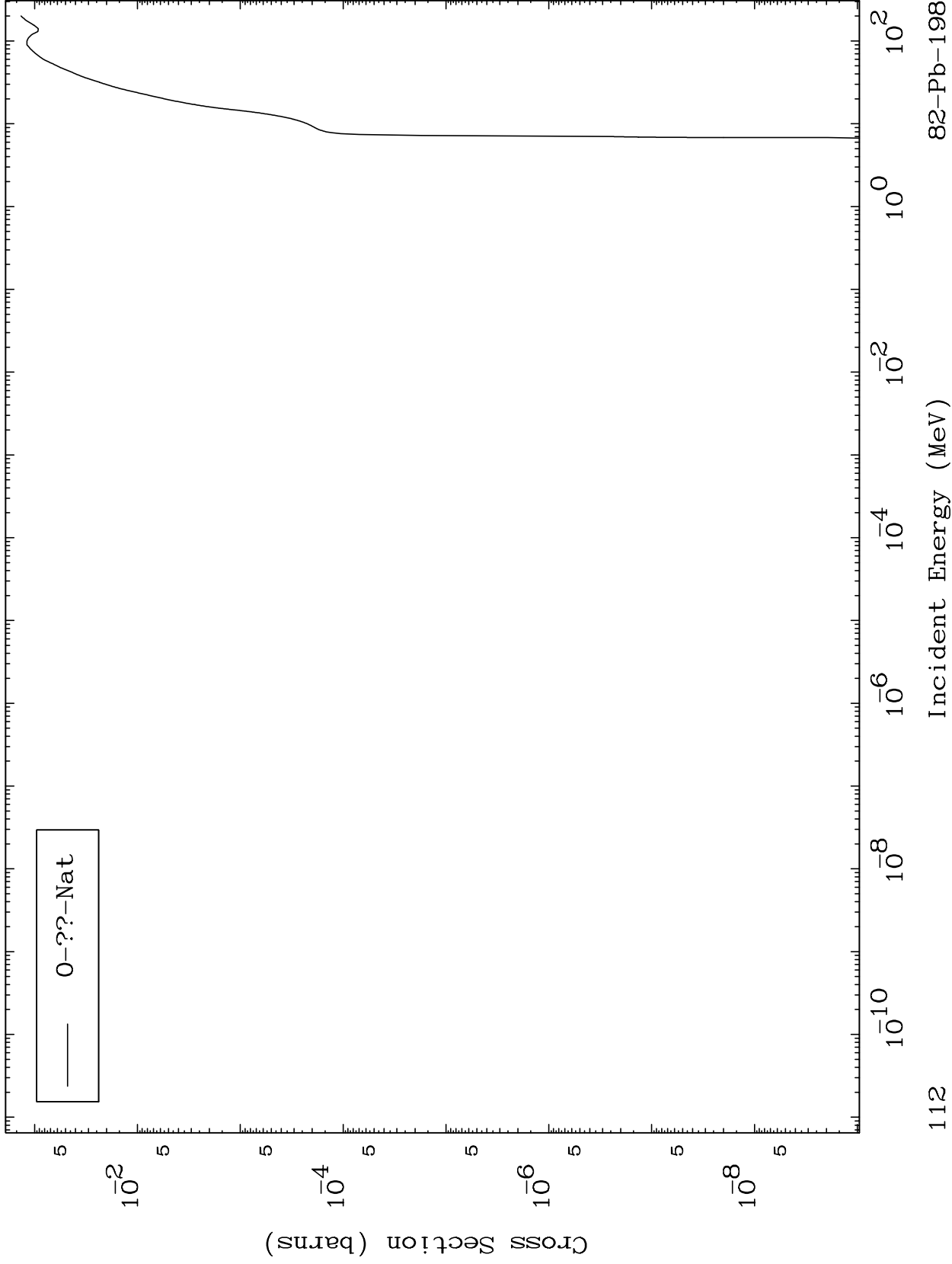


MAT 8207

Fission

82-Pb-198

Radionuclide Production Cross Section

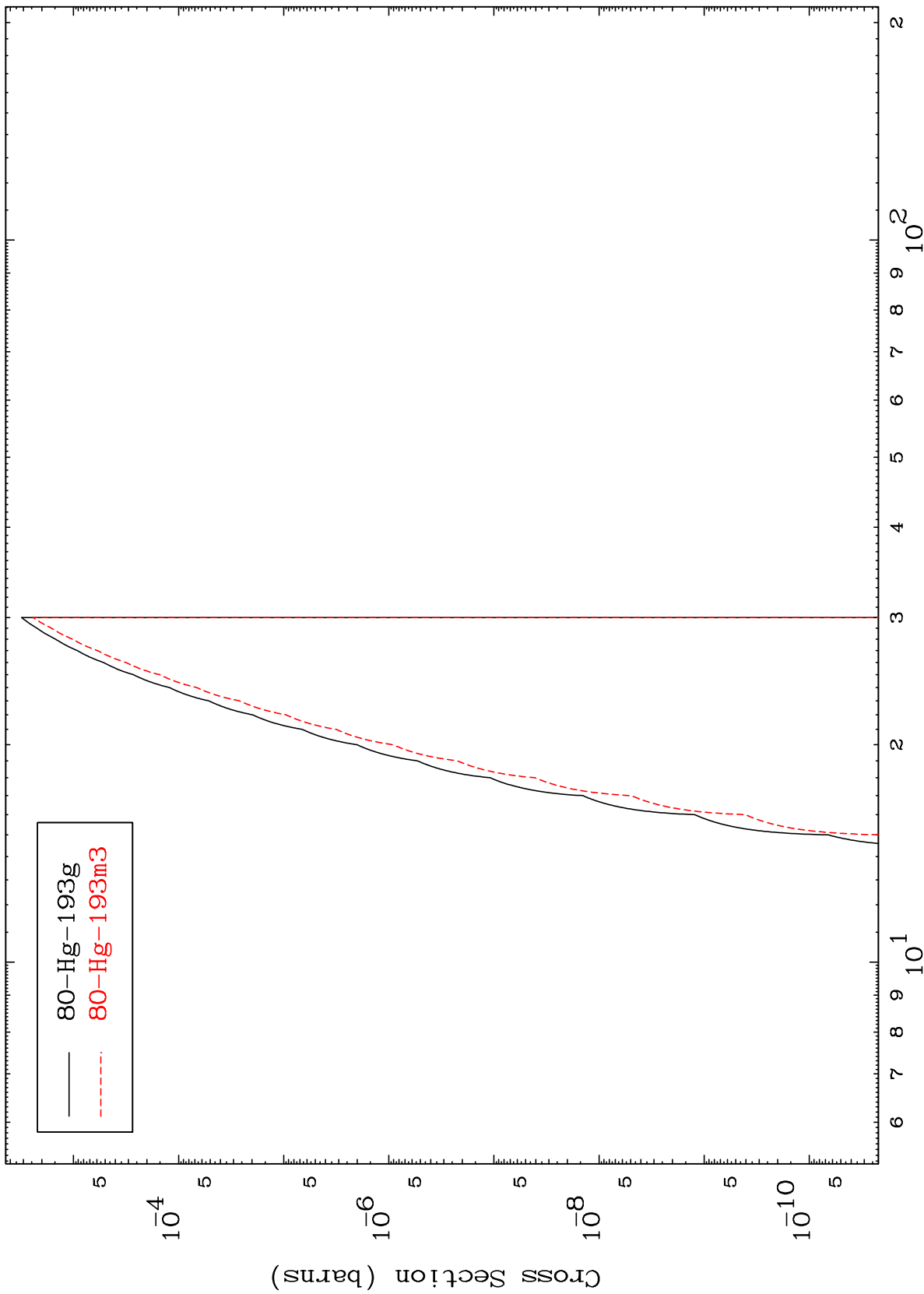


MAT 8207

(n,2n)  $\alpha$

82-Pb-198

Radionuclide Production Cross Section



113

Incident Energy (MeV)

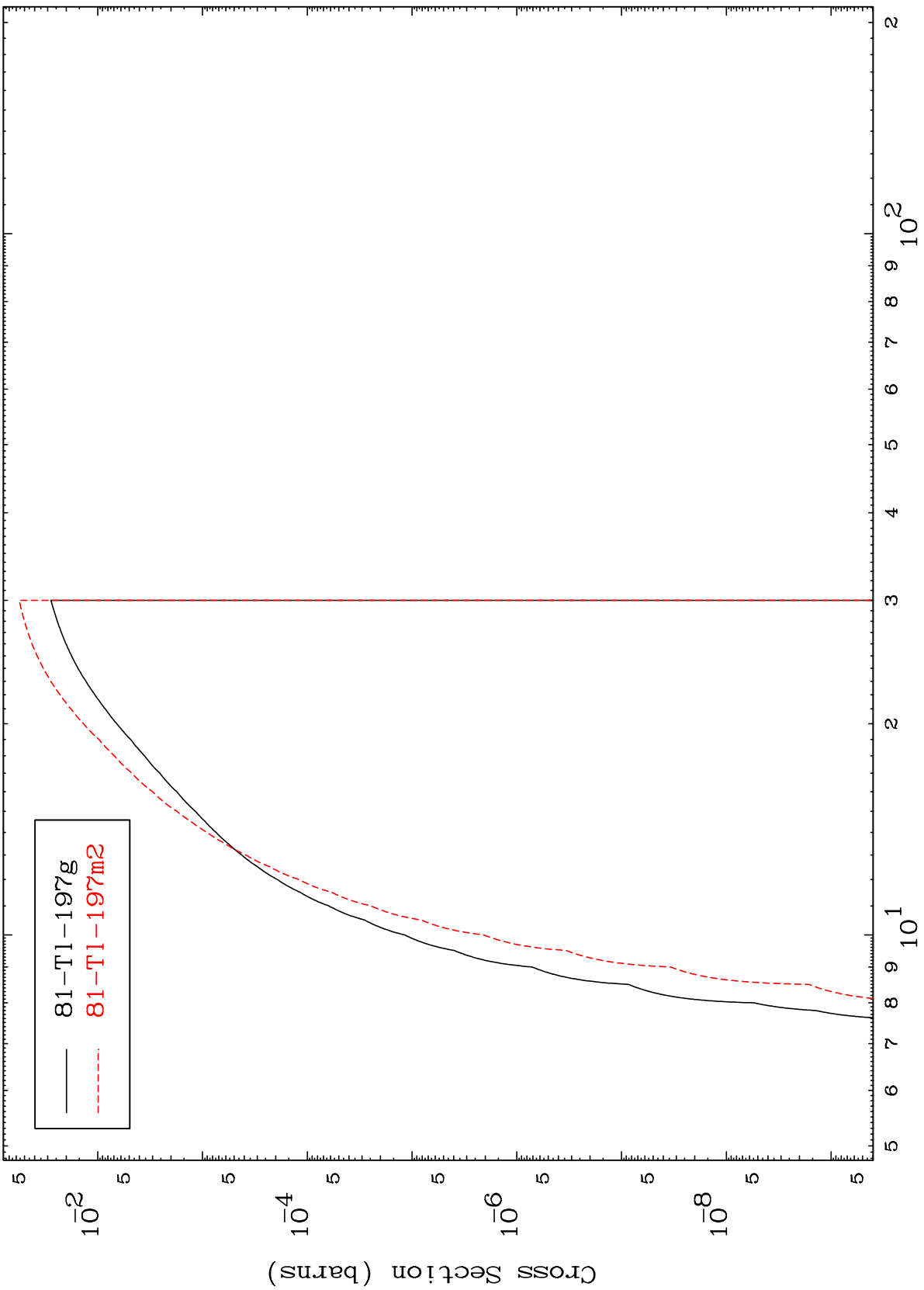
82-Pb-198

MAT 8207

(n,n') p

82-Pb-198

Radionuclide Production Cross Section

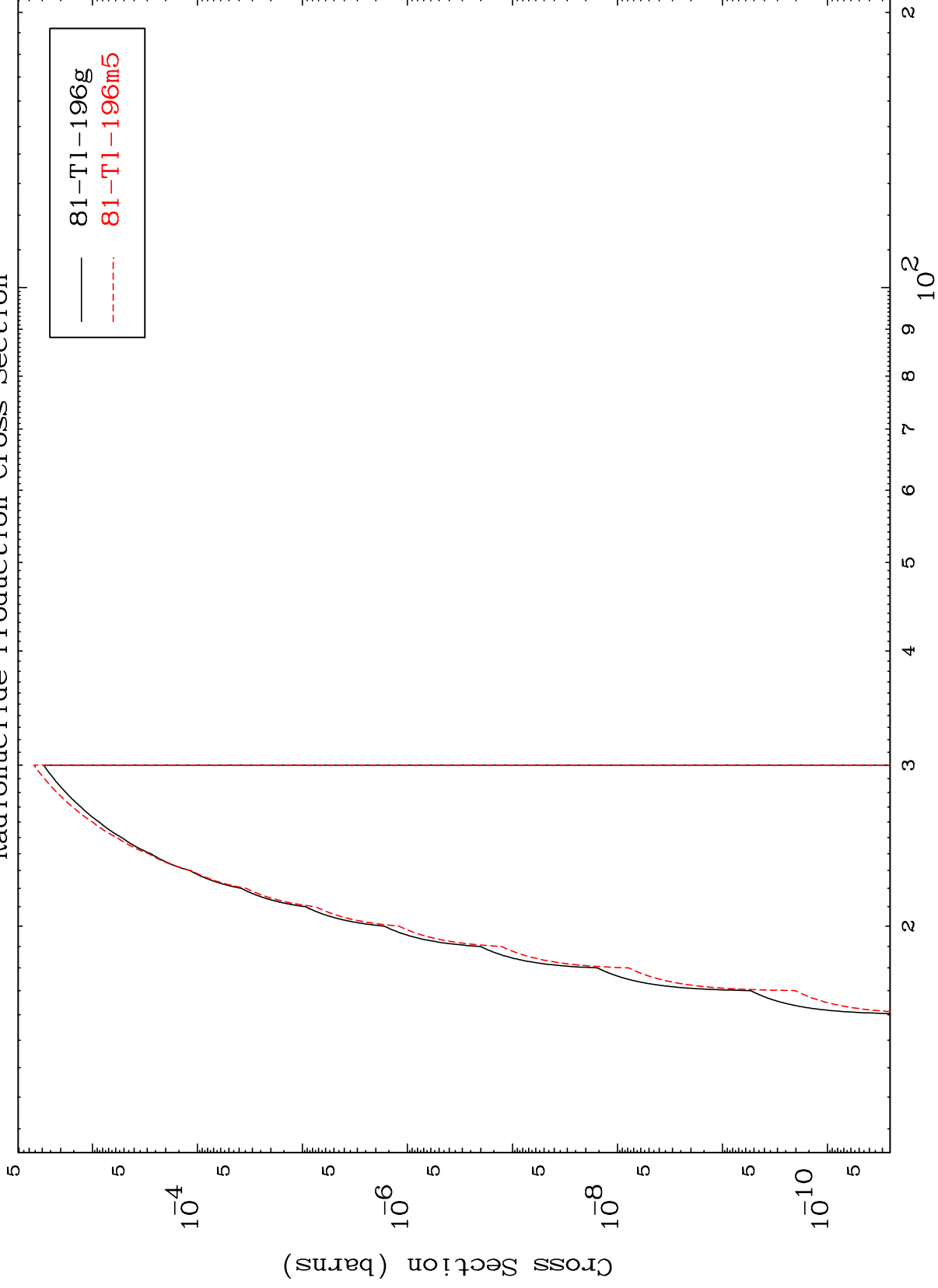


114

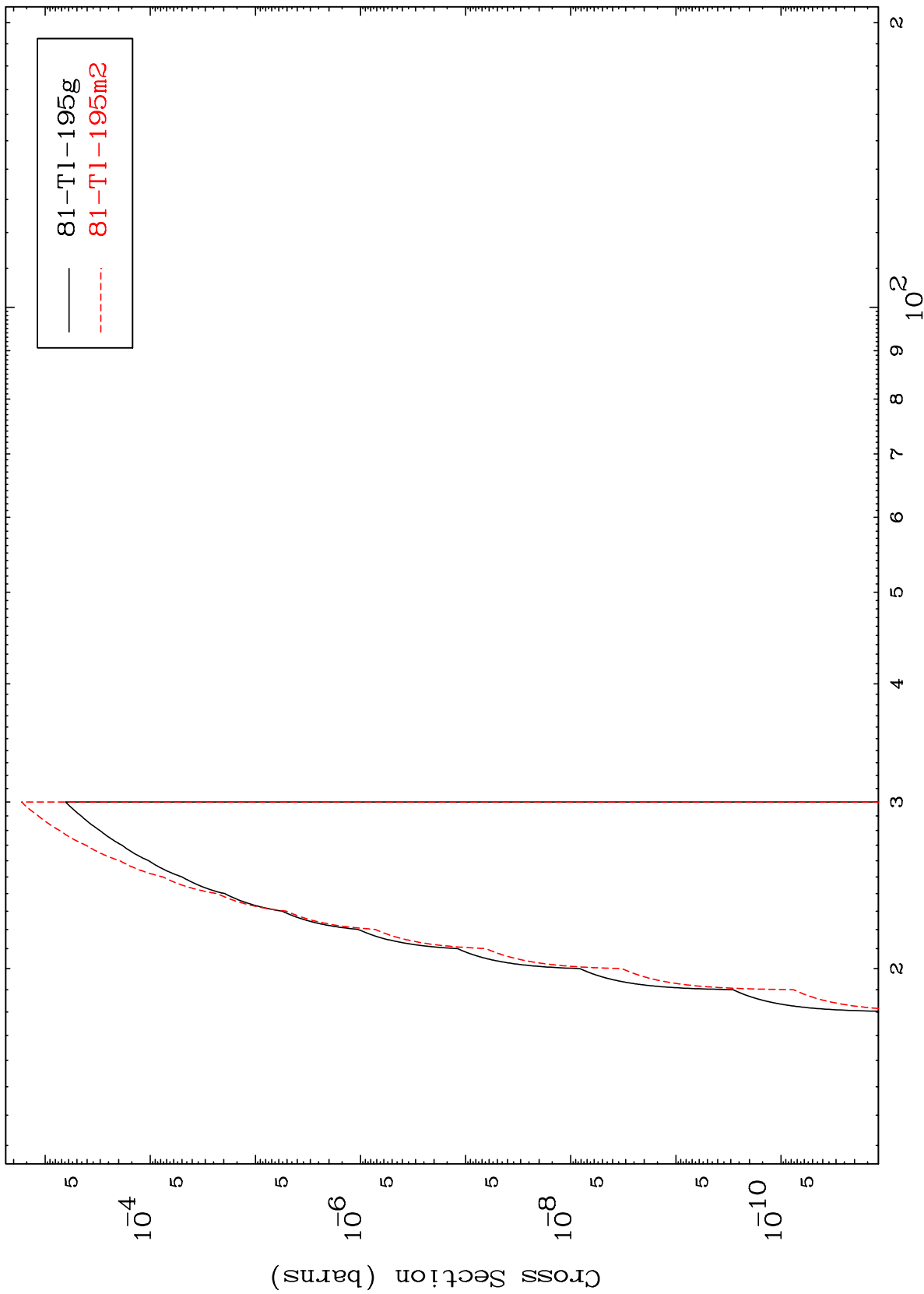
Incident Energy (MeV)

82-Pb-198

Radionuclide Production Cross Section



Radionuclide Production Cross Section



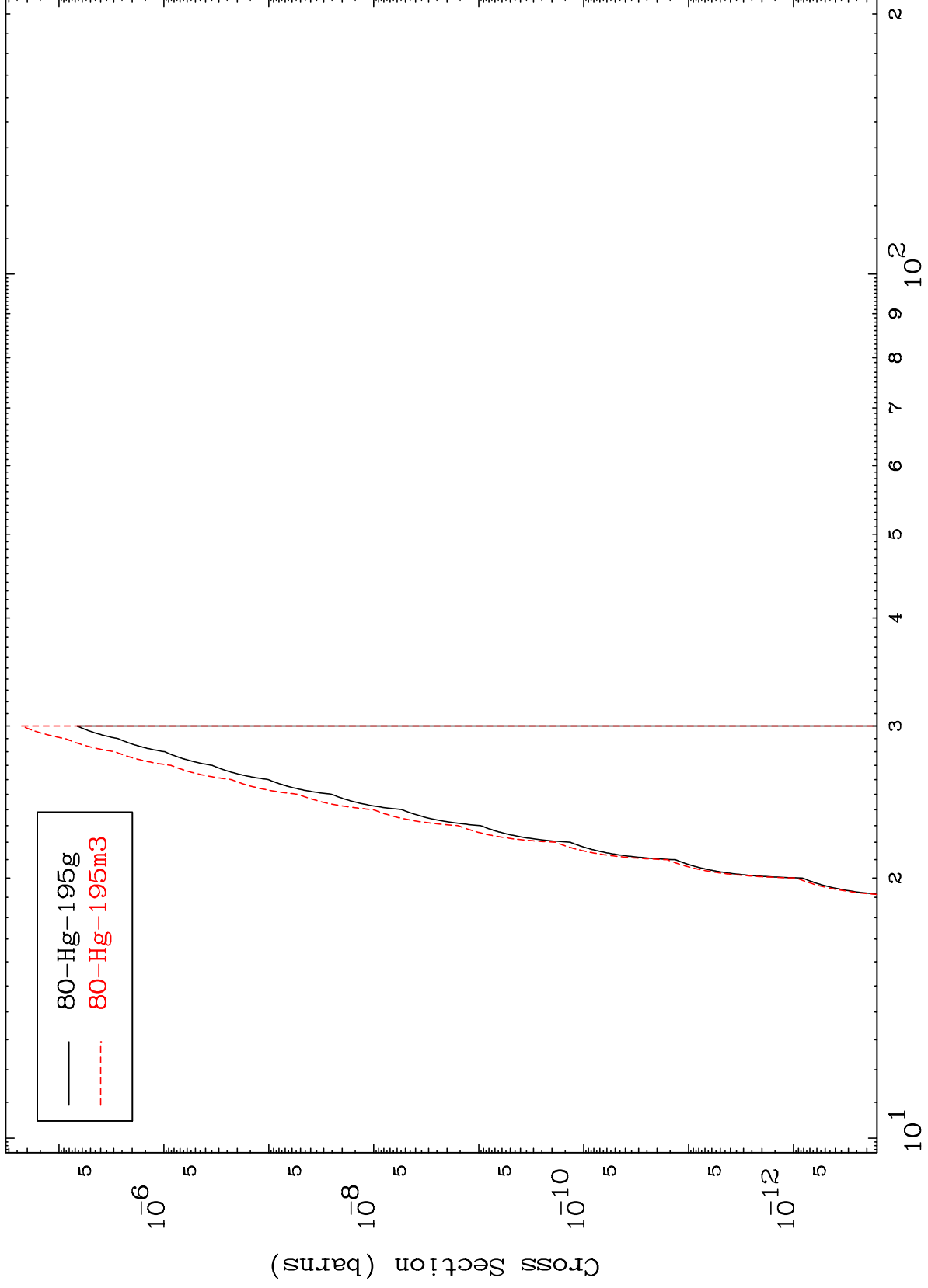
81-Tl-195g  
81-Tl-195m2

MAT 8207

(n,n') He-3

82-Pb-198

Radionuclide Production Cross Section



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

117

Incident Energy (MeV)

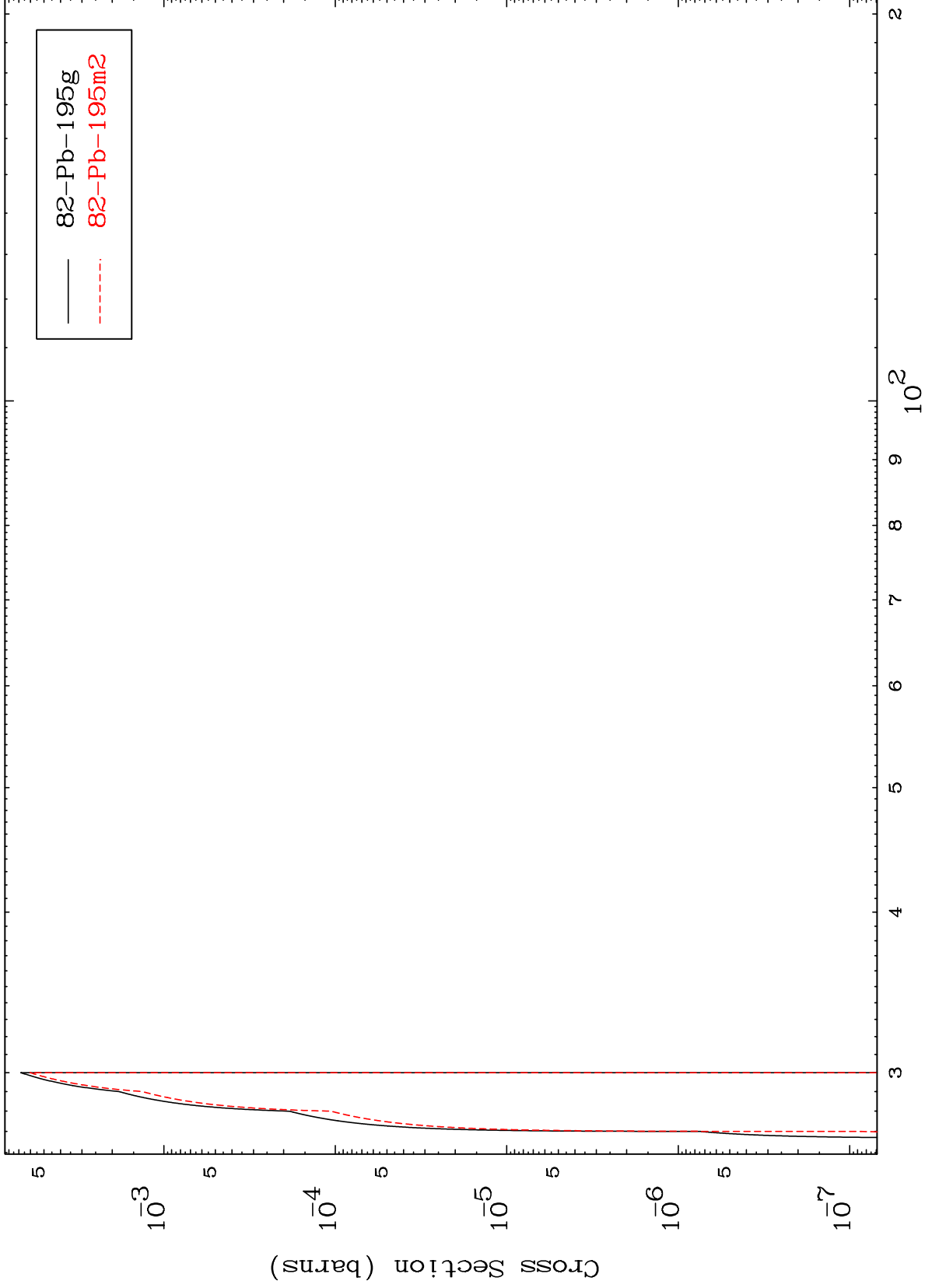
82-Pb-198

MAT 8207

(n,4n)

82-Pb-198

Radionuclide Production Cross Section

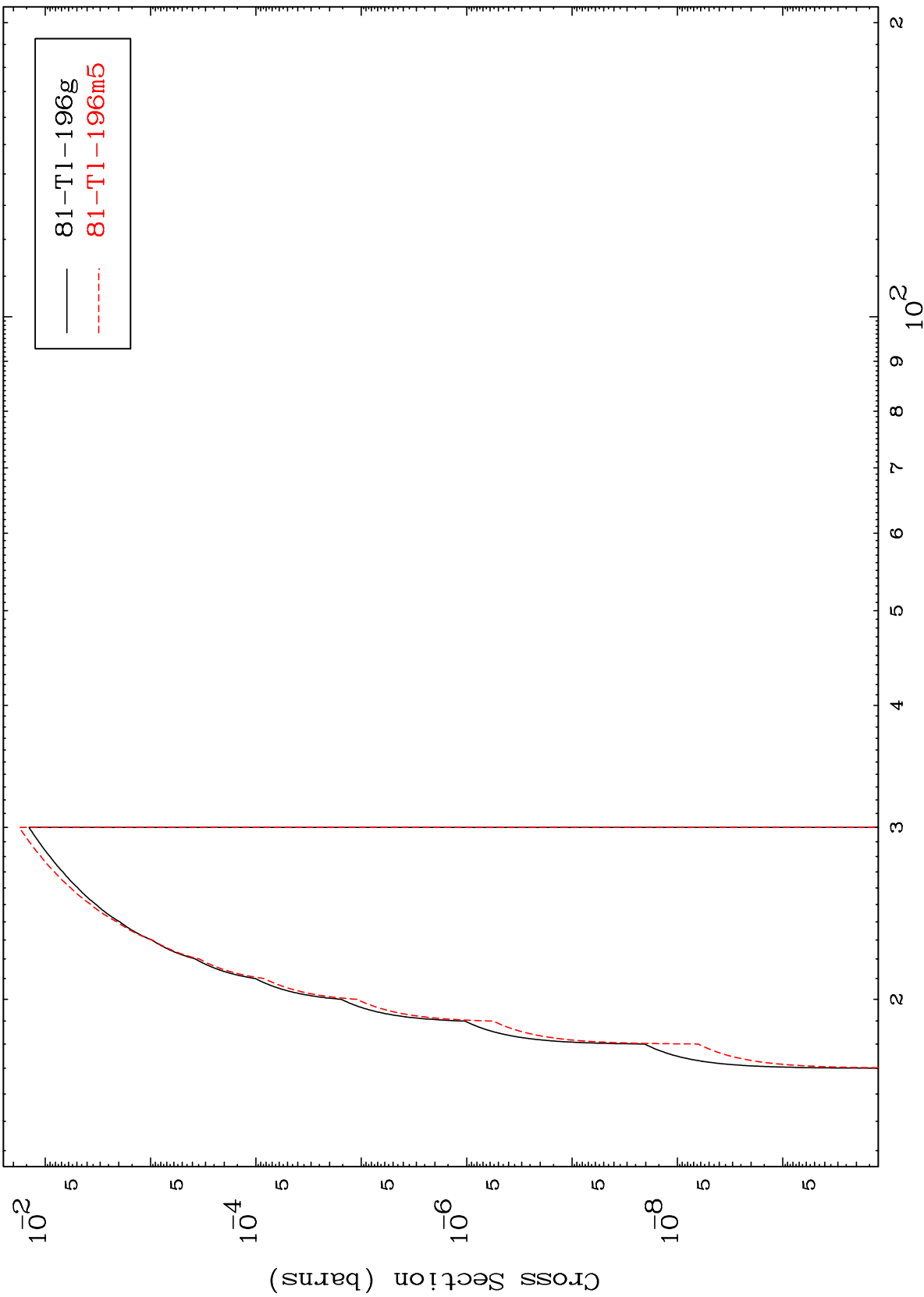


118

Incident Energy (MeV)

82-Pb-198

Radionuclide Production Cross Section



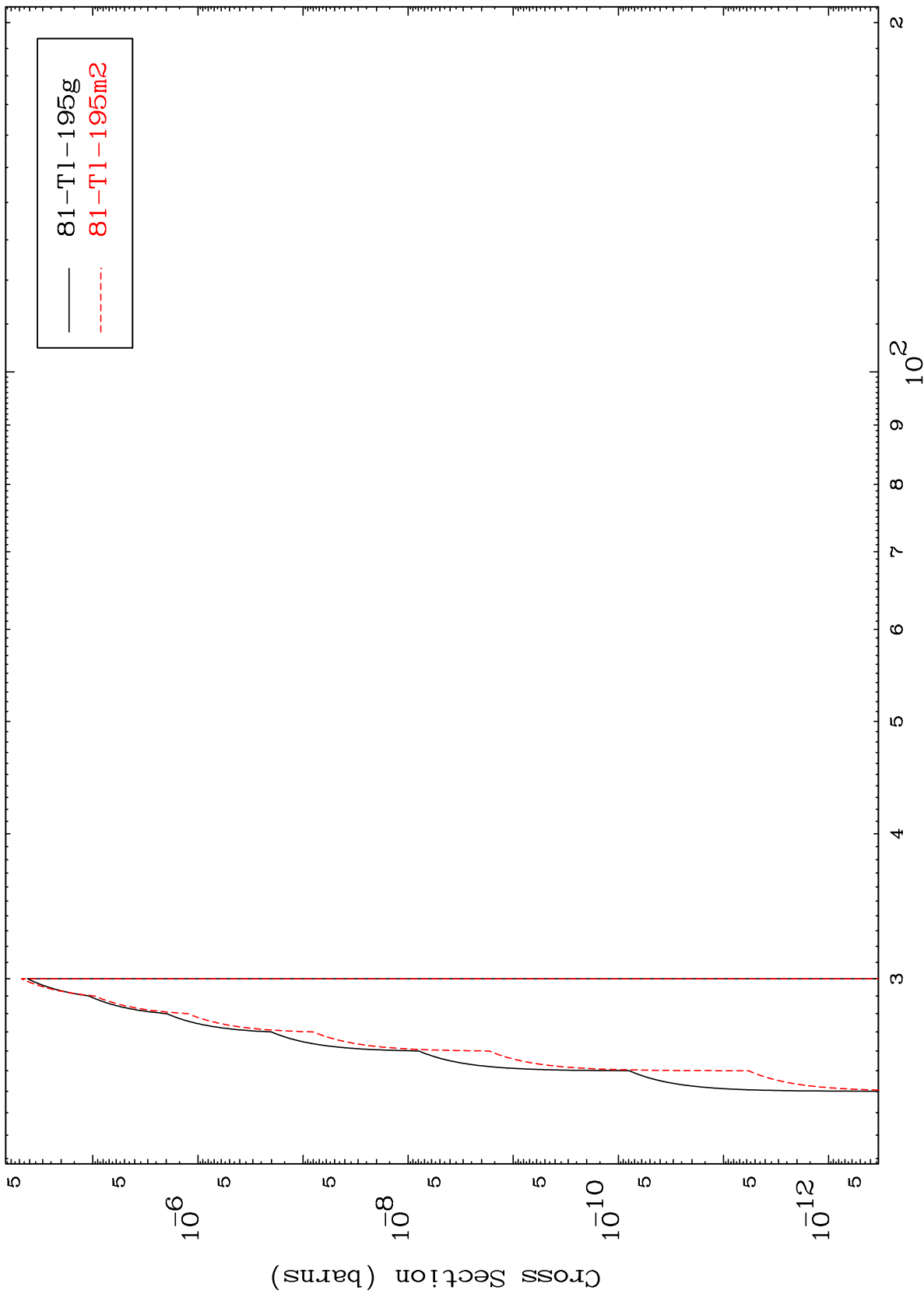


MAT 8207

(n,3n) p

82-Pb-198

Radionuclide Production Cross Section



120

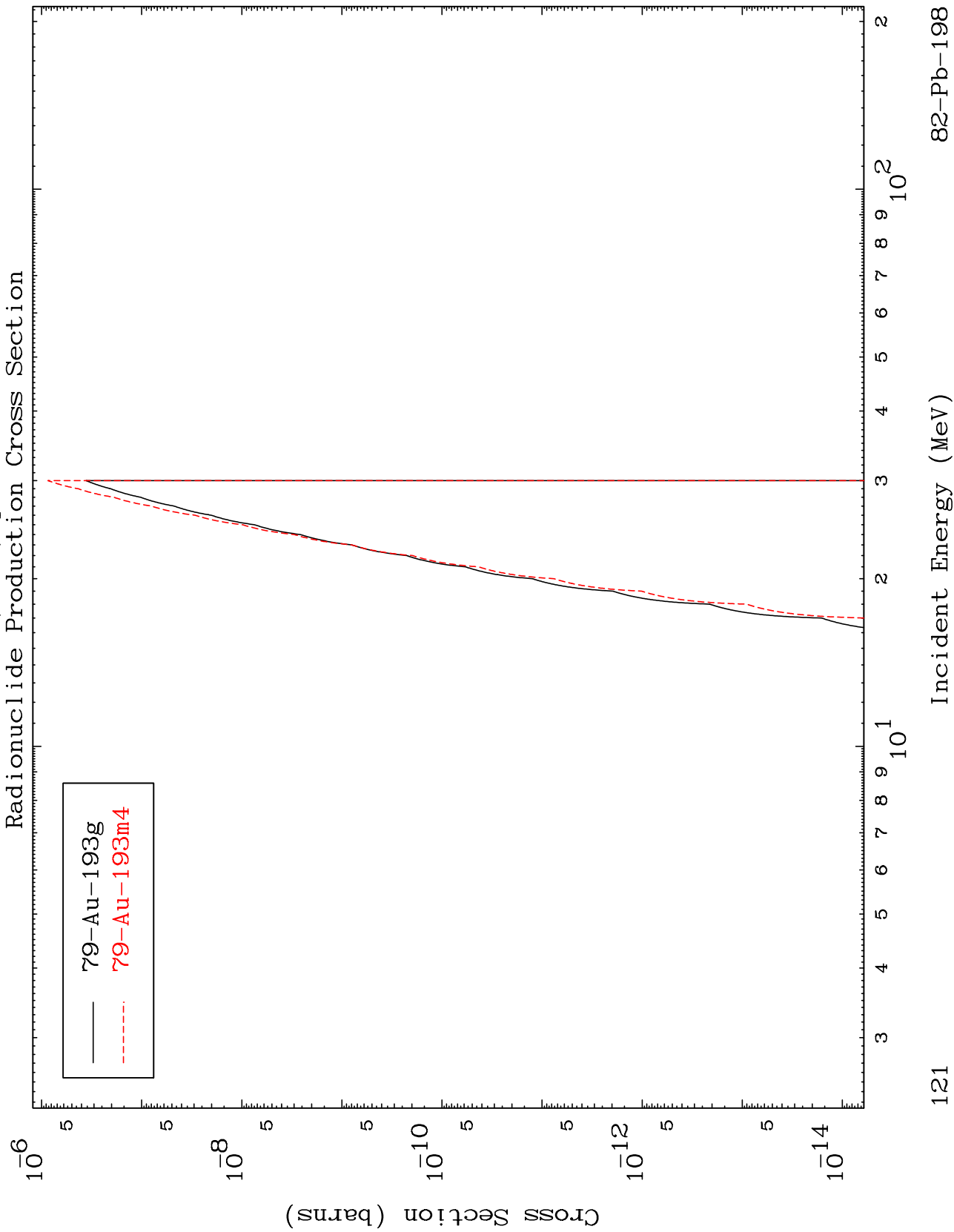
Incident Energy (MeV)

82-Pb-198

MAT 8207

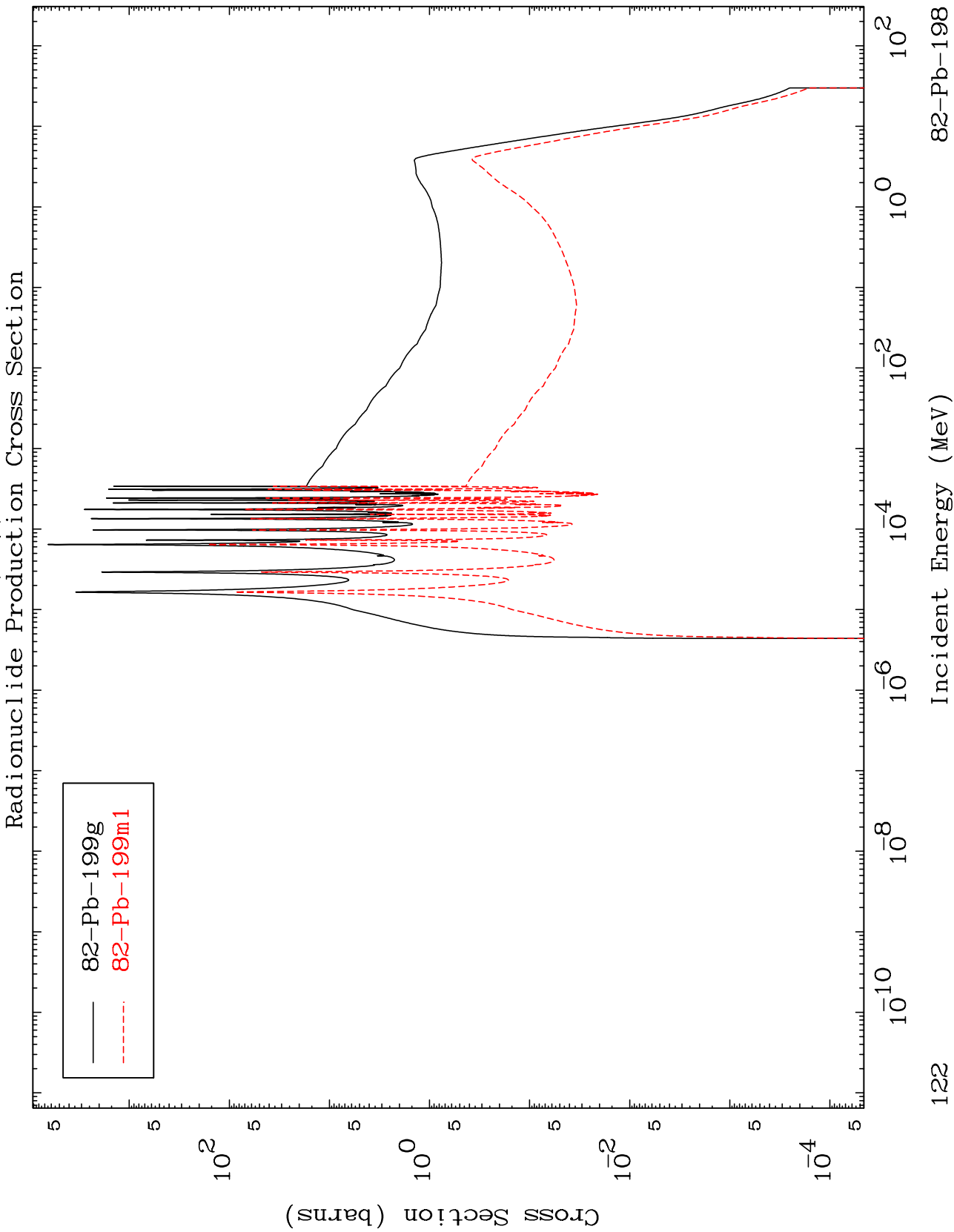
(n,n') p  $\alpha$

82-Pb-198



MAT 8207

82-Pb-198

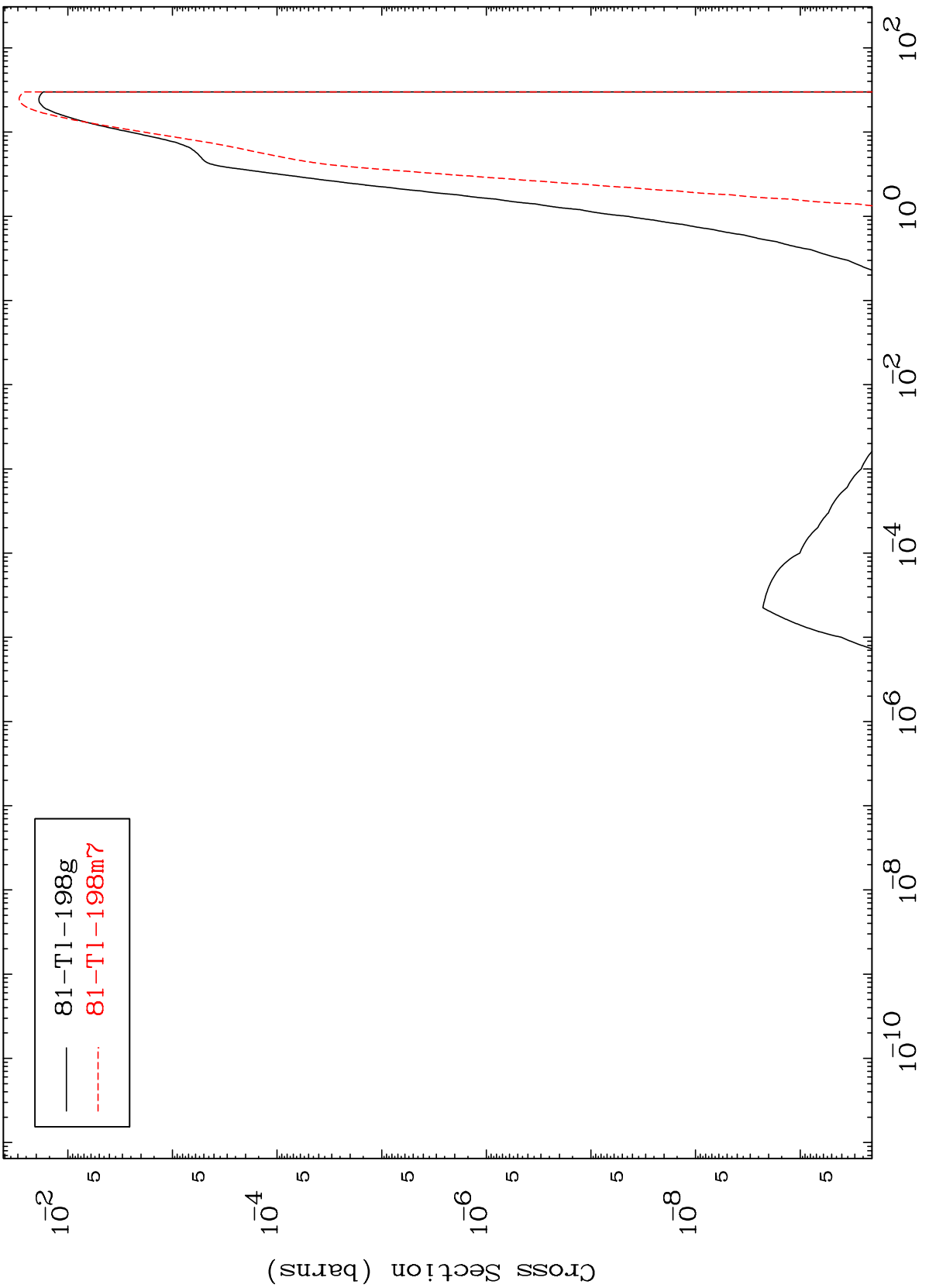
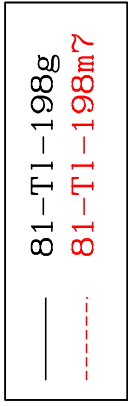


MAT 8207

(n,p)

82-Pb-198

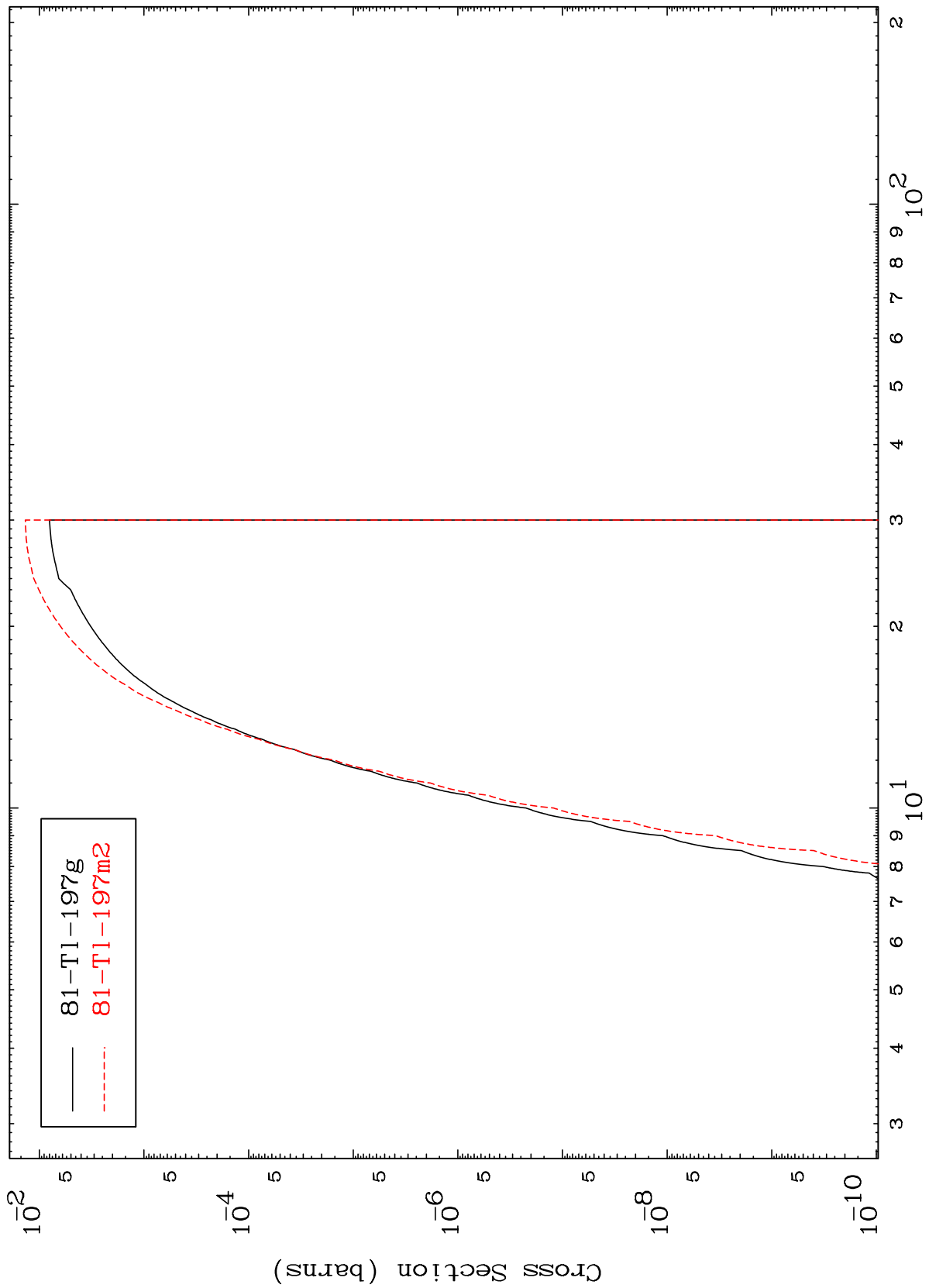
Radionuclide Production Cross Section



MAT 8207

82-Pb-198

(n,d)  
Radionuclide Production Cross Section



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

124

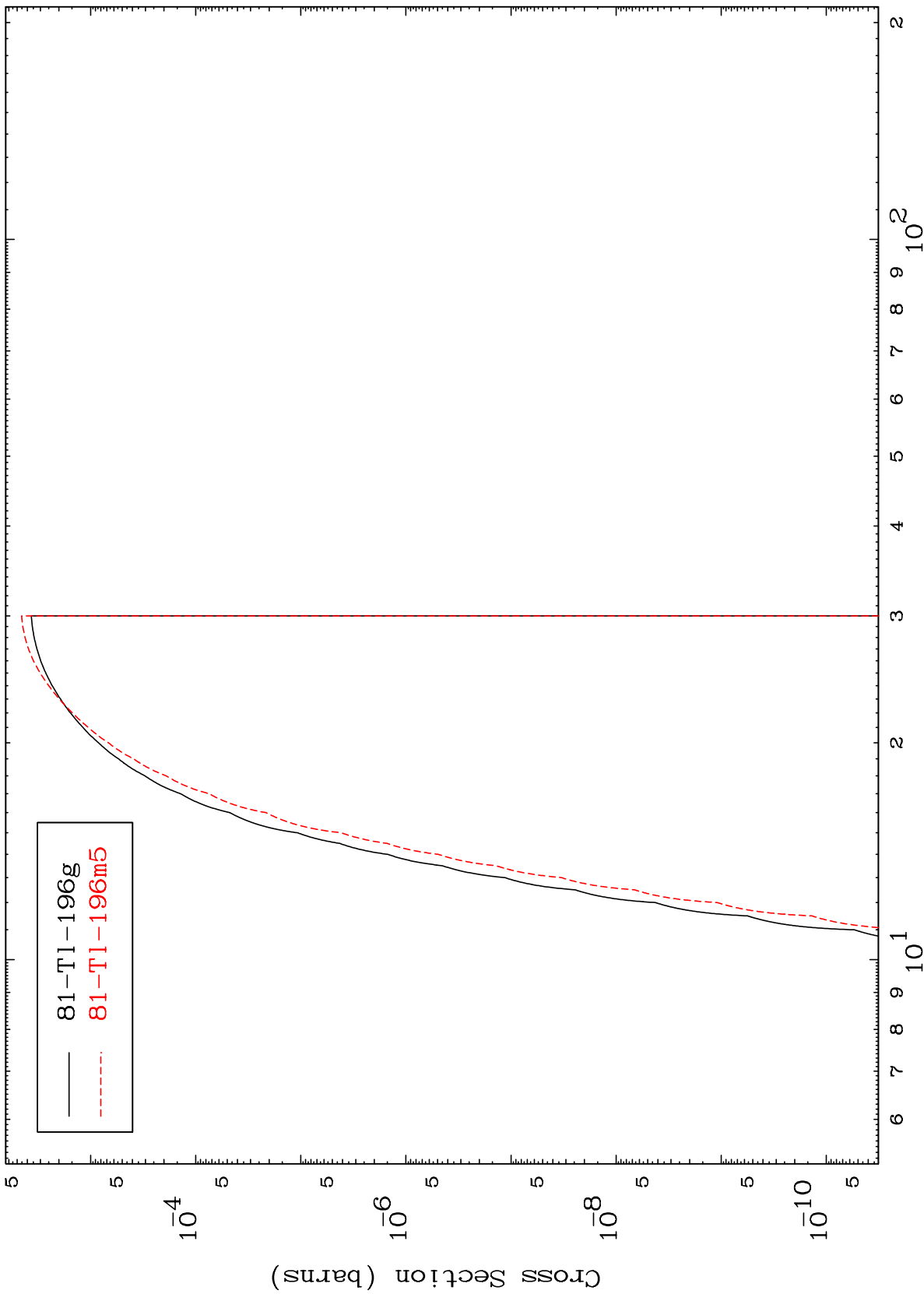
Incident Energy (MeV)

82-Pb-198

MAT 8207

82-Pb-198

(n, t)  
Radionuclide Production Cross Section



125

Incident Energy (MeV)

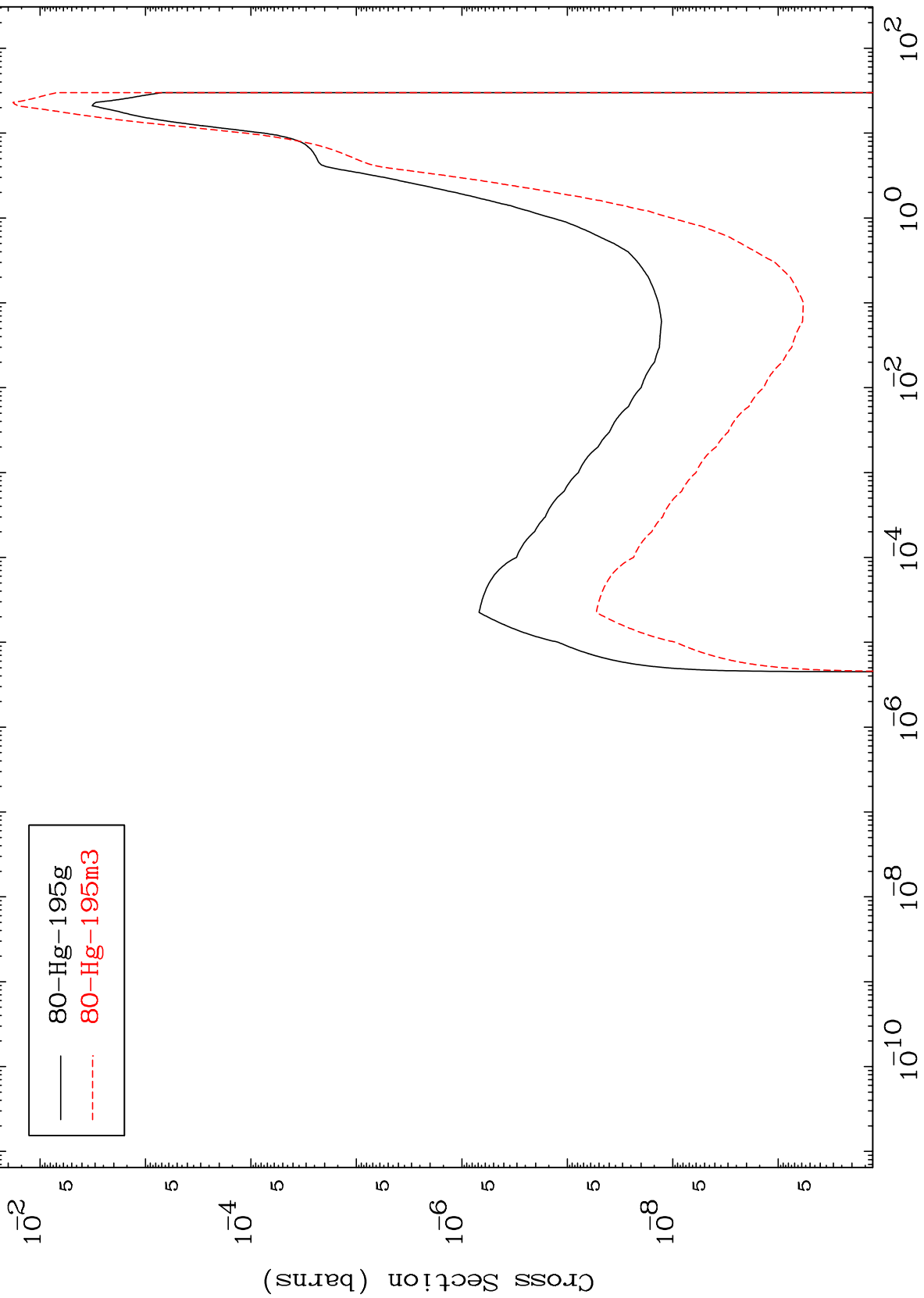
82-Pb-198

MAT 8207

(n,  $\alpha$ )

82-Pb-198

Radionuclide Production Cross Section

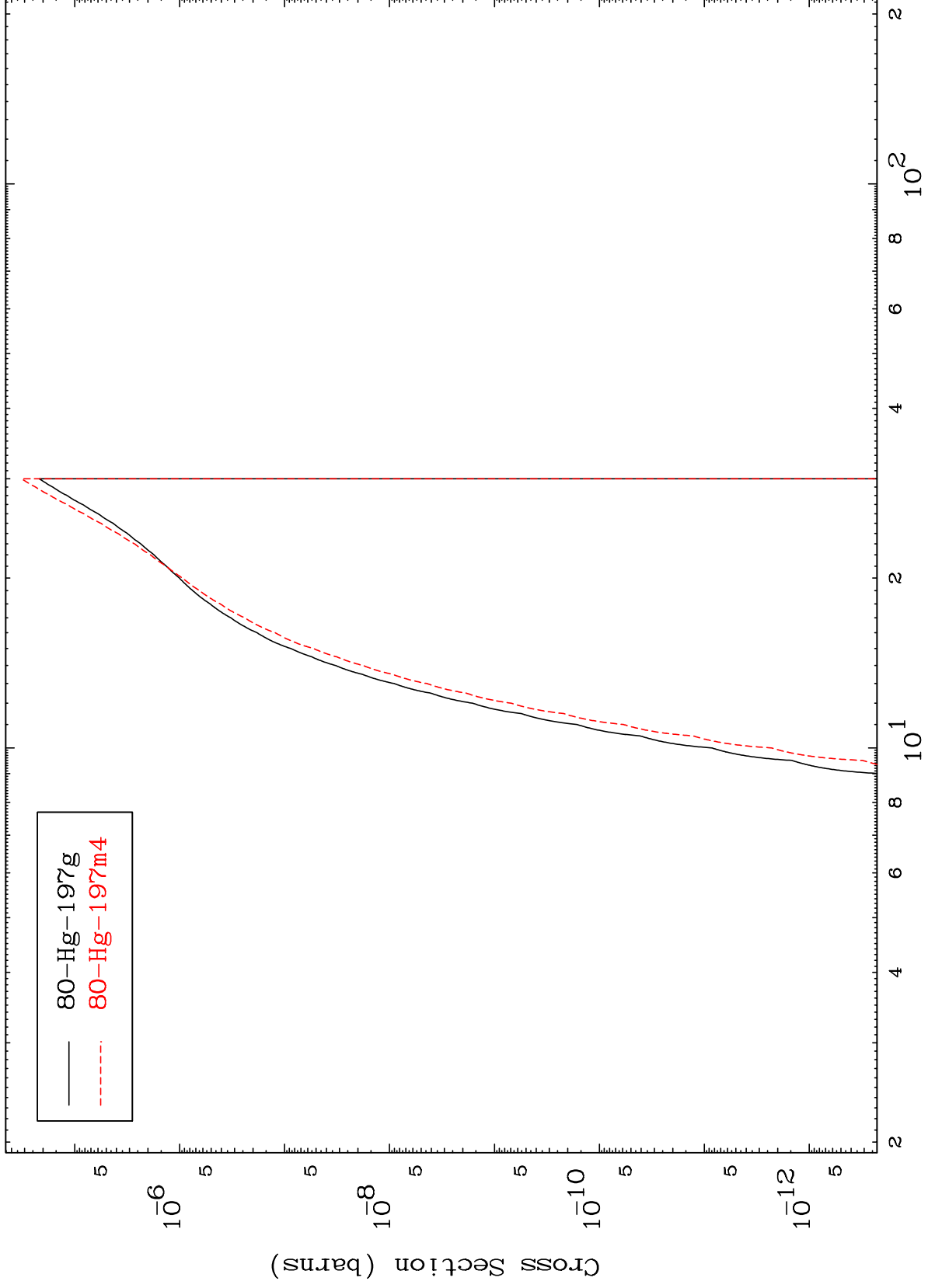


80-Hg-195g  
80-Hg-195m3

MAT 8207

82-Pb-198

(n,2p)  
Radionuclide Production Cross Section



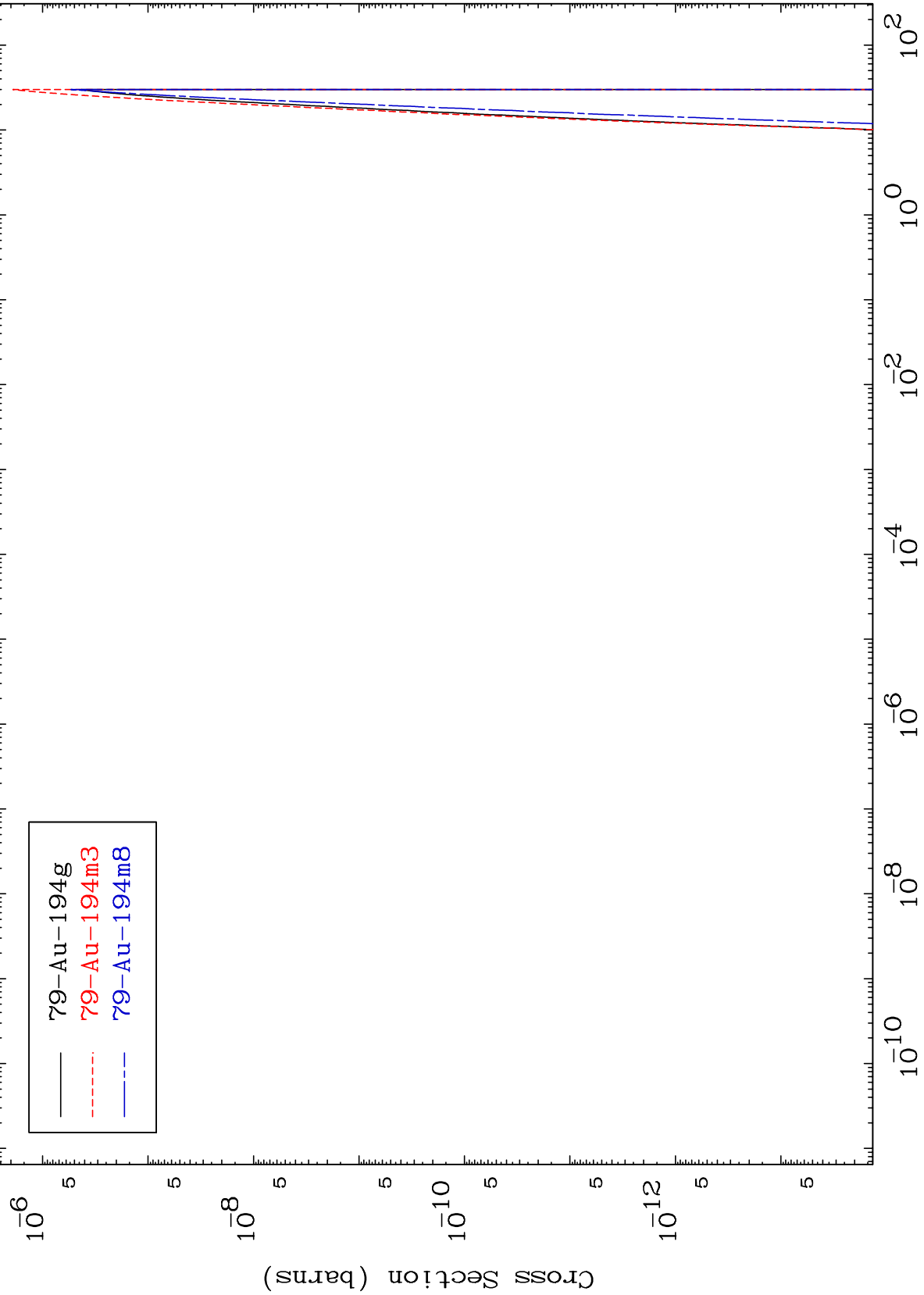


MAT 8207

(n,p)  $\alpha$

82-Pb-198

Radionuclide Production Cross Section

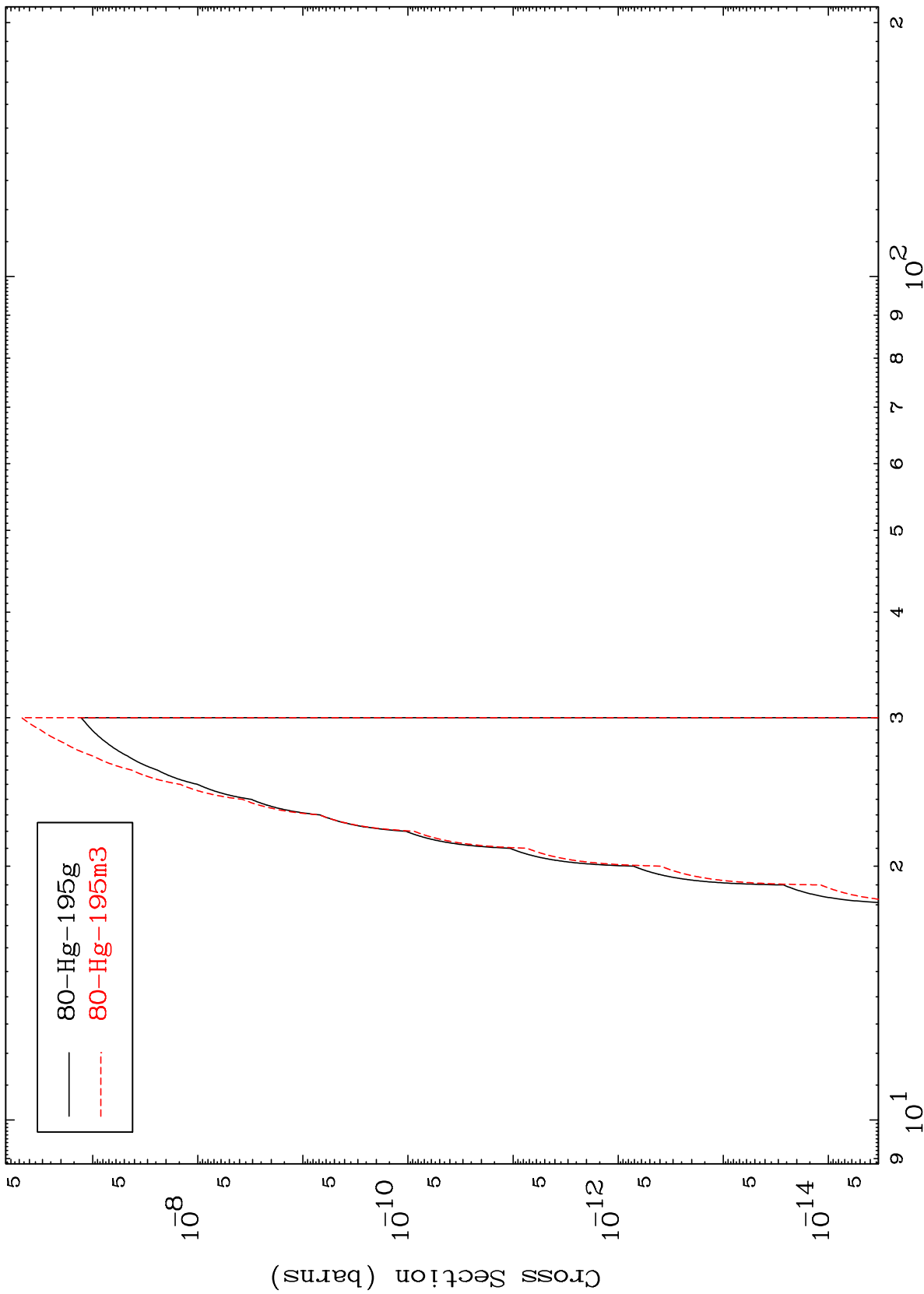


MAT 8207

(n,p) t

82-Pb-198

Radionuclide Production Cross Section



129

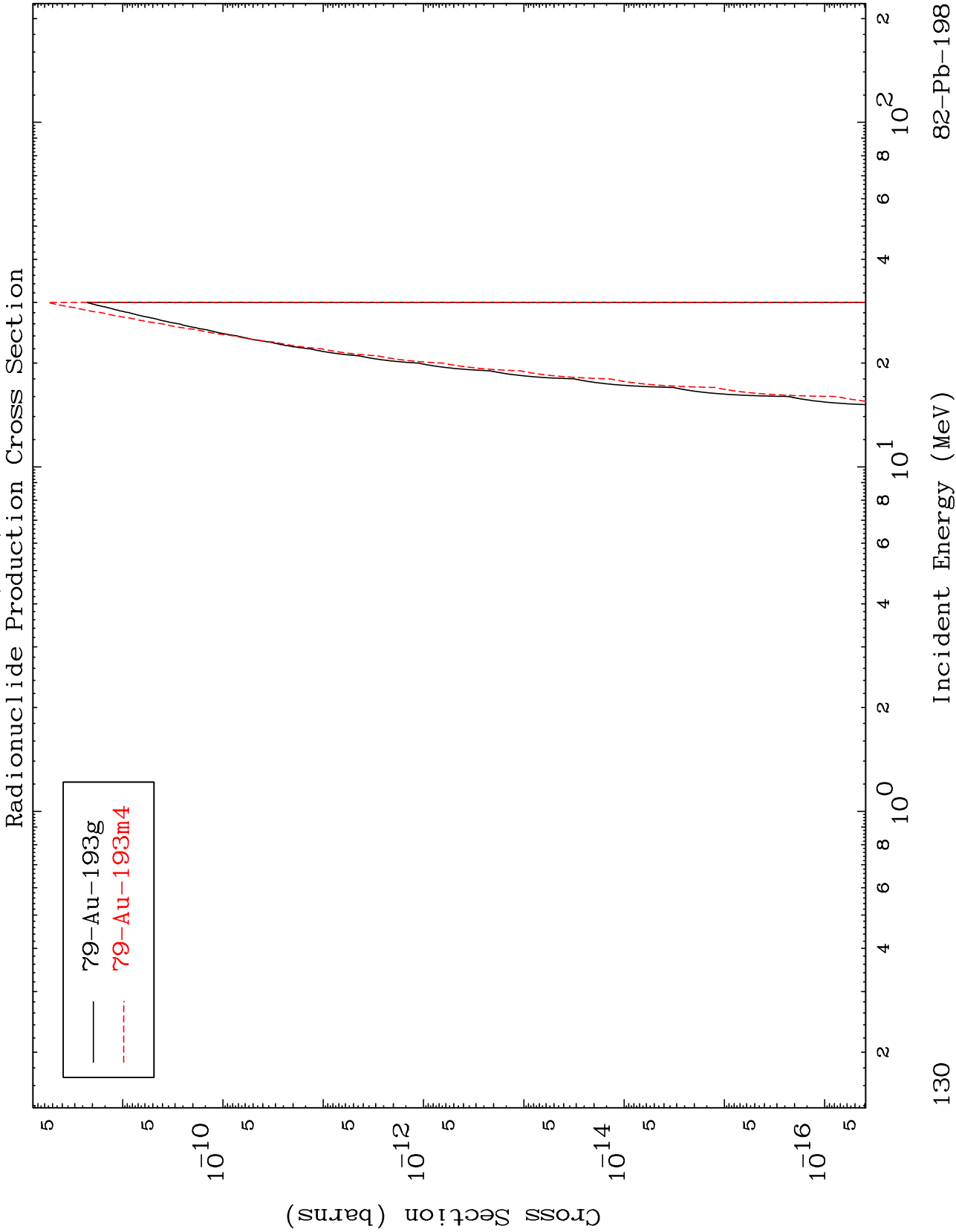
Incident Energy (MeV)

82-Pb-198

MAT 8207

(n,d)  $\alpha$

82-Pb-198



130

82-Pb-198