

Program EVALPLOT  
(Version 2018-1)

by

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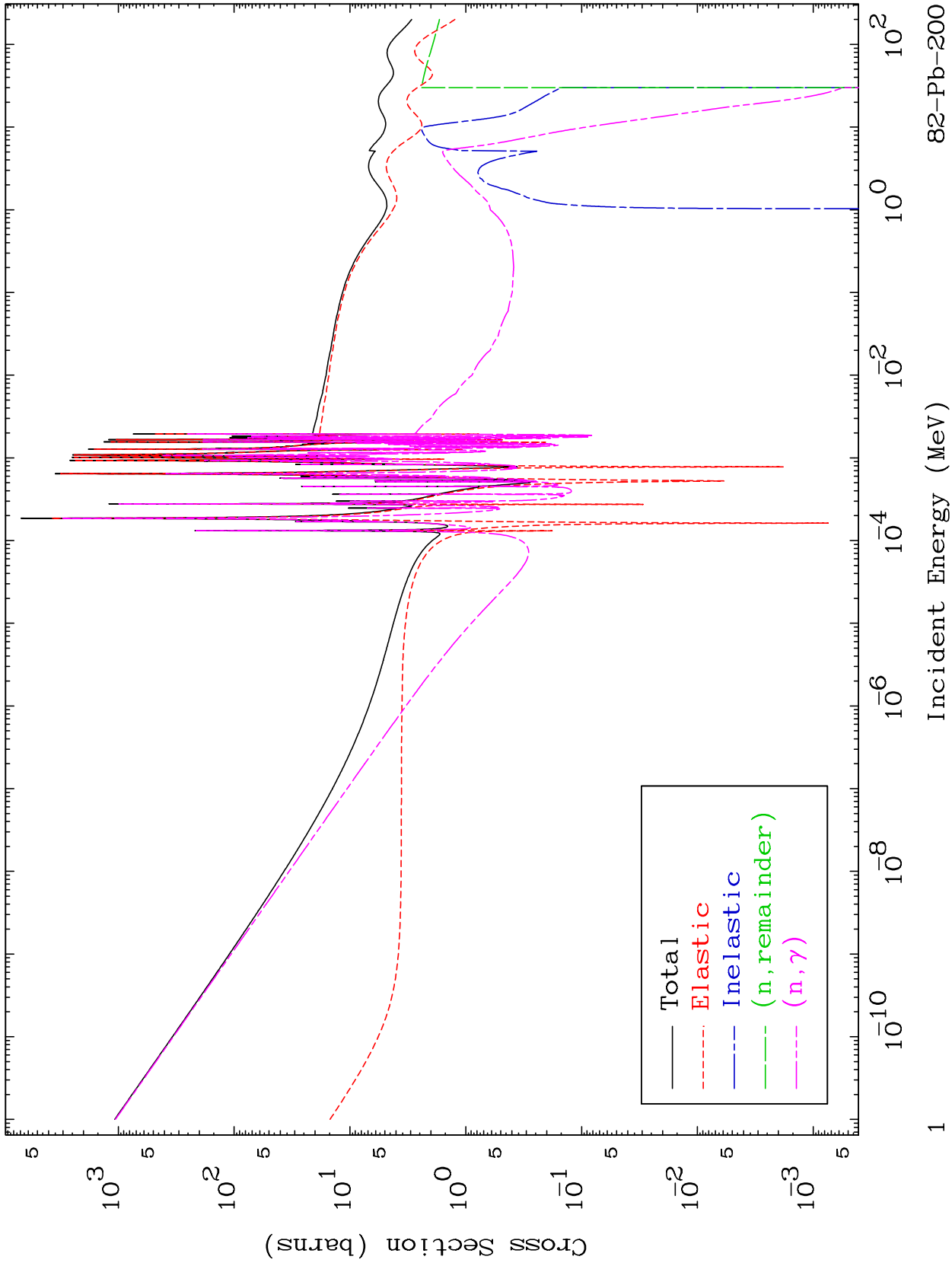
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8213

Major  
293 Kelvin Cross Sections

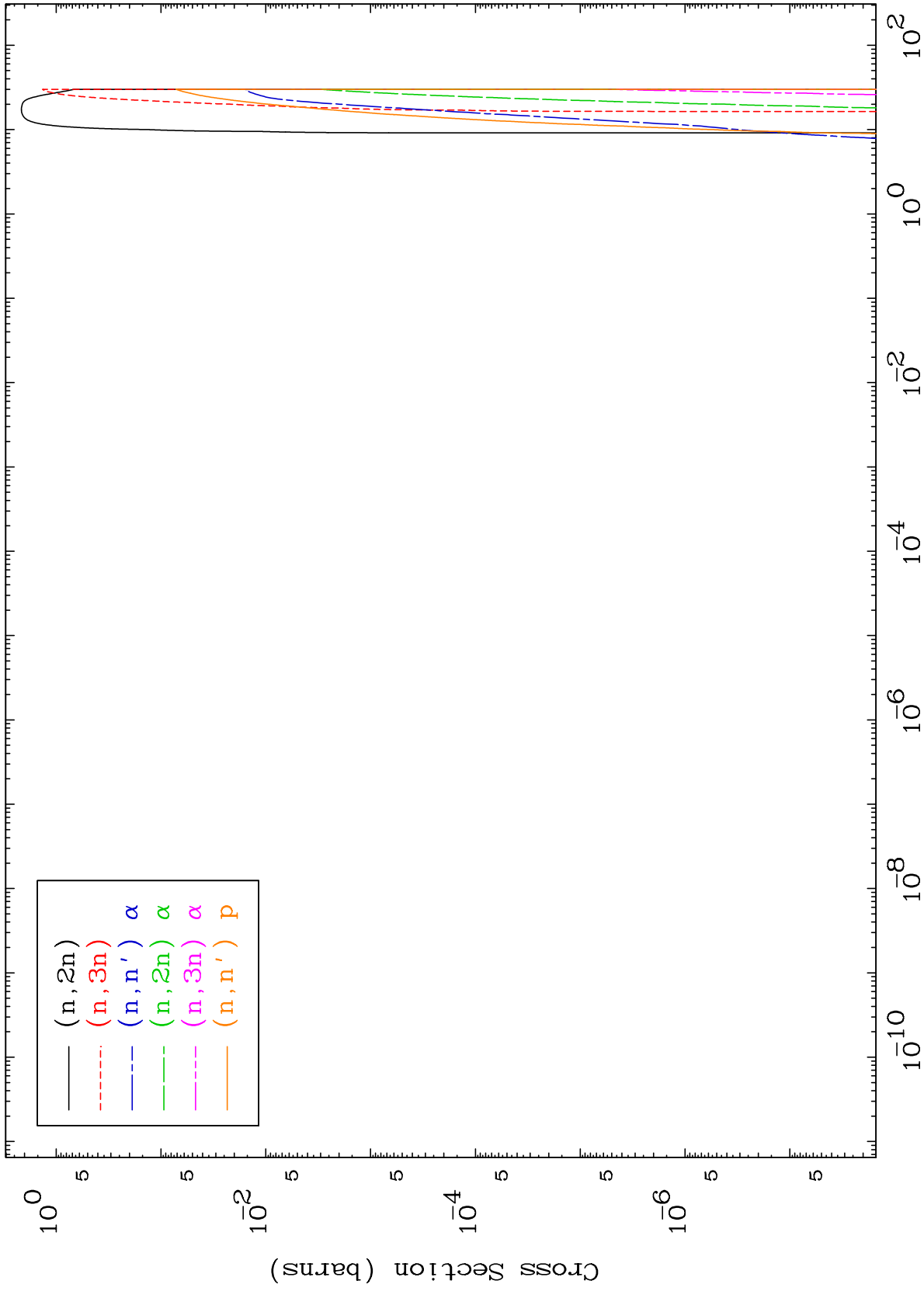
82-Pb-200



MAT 8213

Neutron Production  
293 Kelvin Cross Sections

82-Pb-200



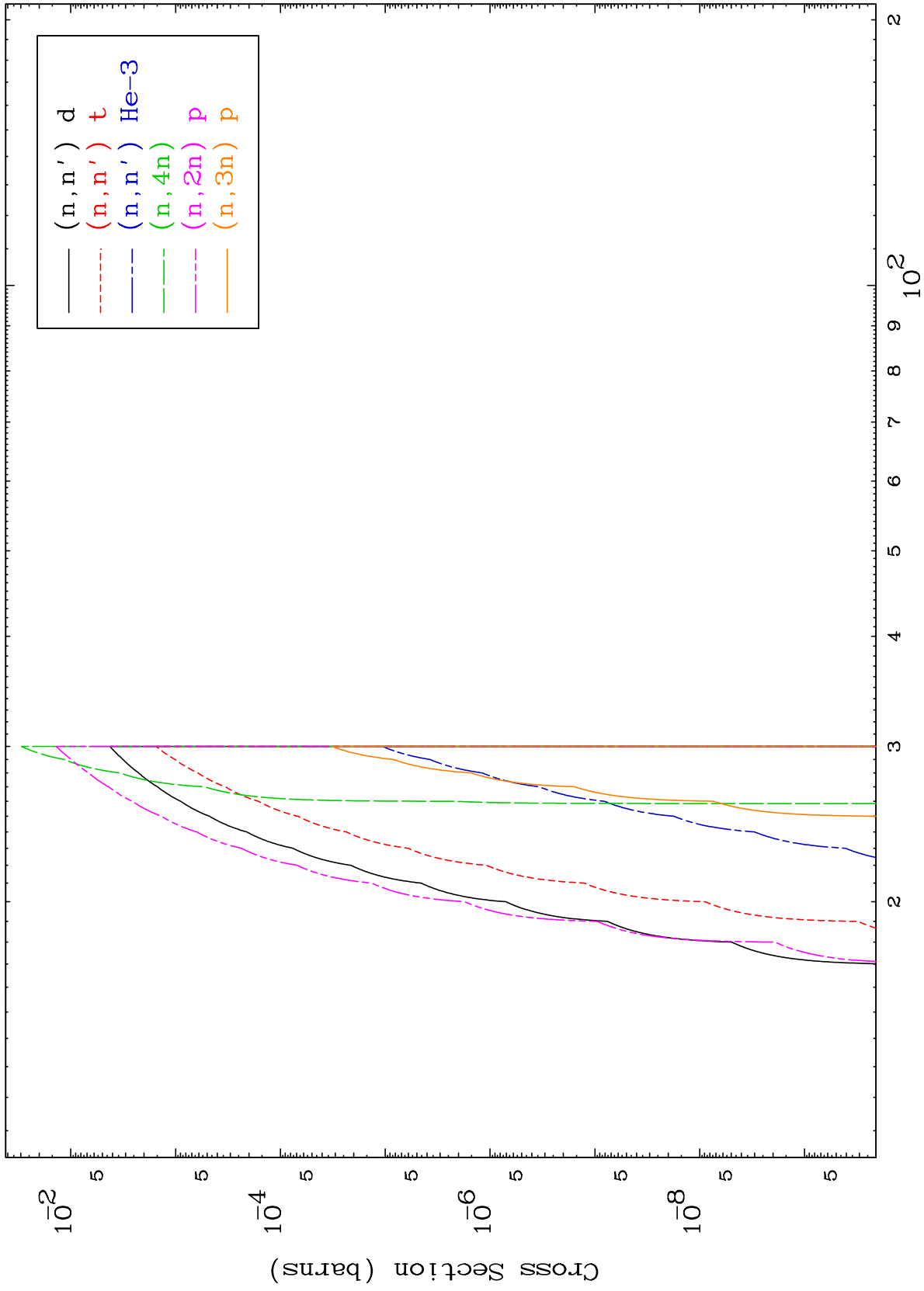
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82-Pb-200

MAT 8213

Neutron Production  
293 Kelvin Cross Sections

82-Pb-200



3

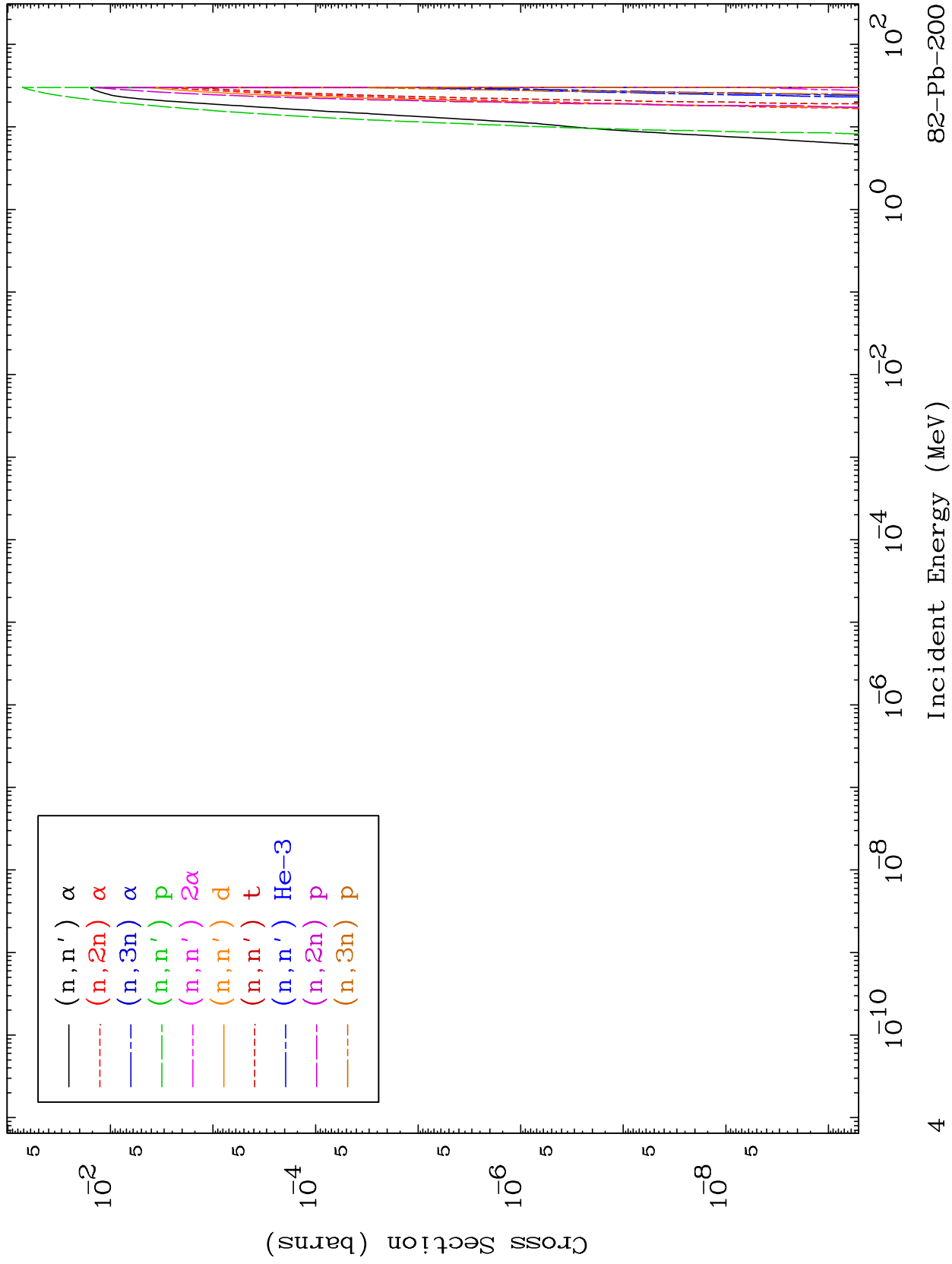
Incident Energy (MeV)

82-Pb-200

MAT 8213

Charged Particle  
293 Kelvin Cross Sections

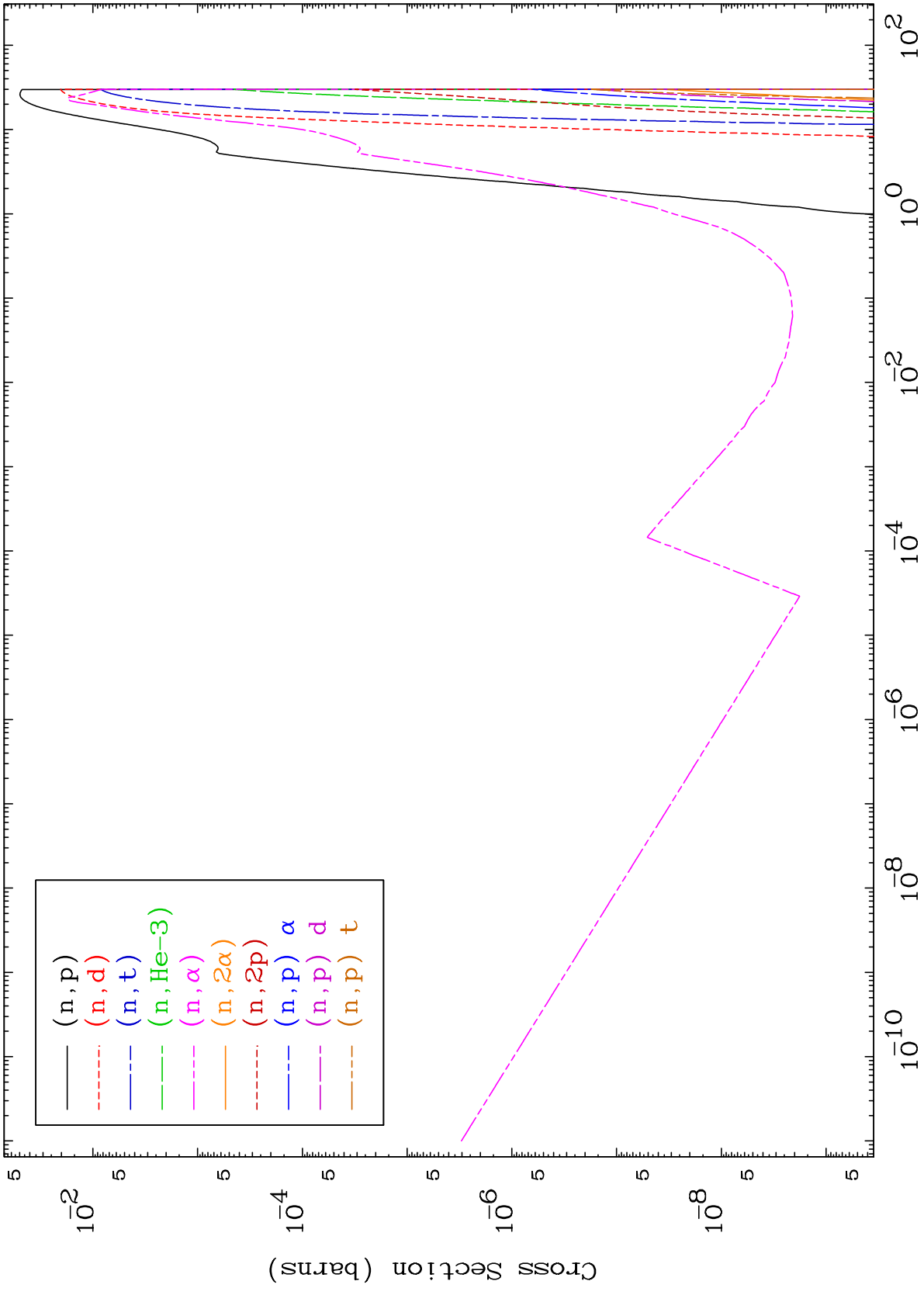
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MAT 8213

293 Kelvin Cross Sections

82-Pb-200



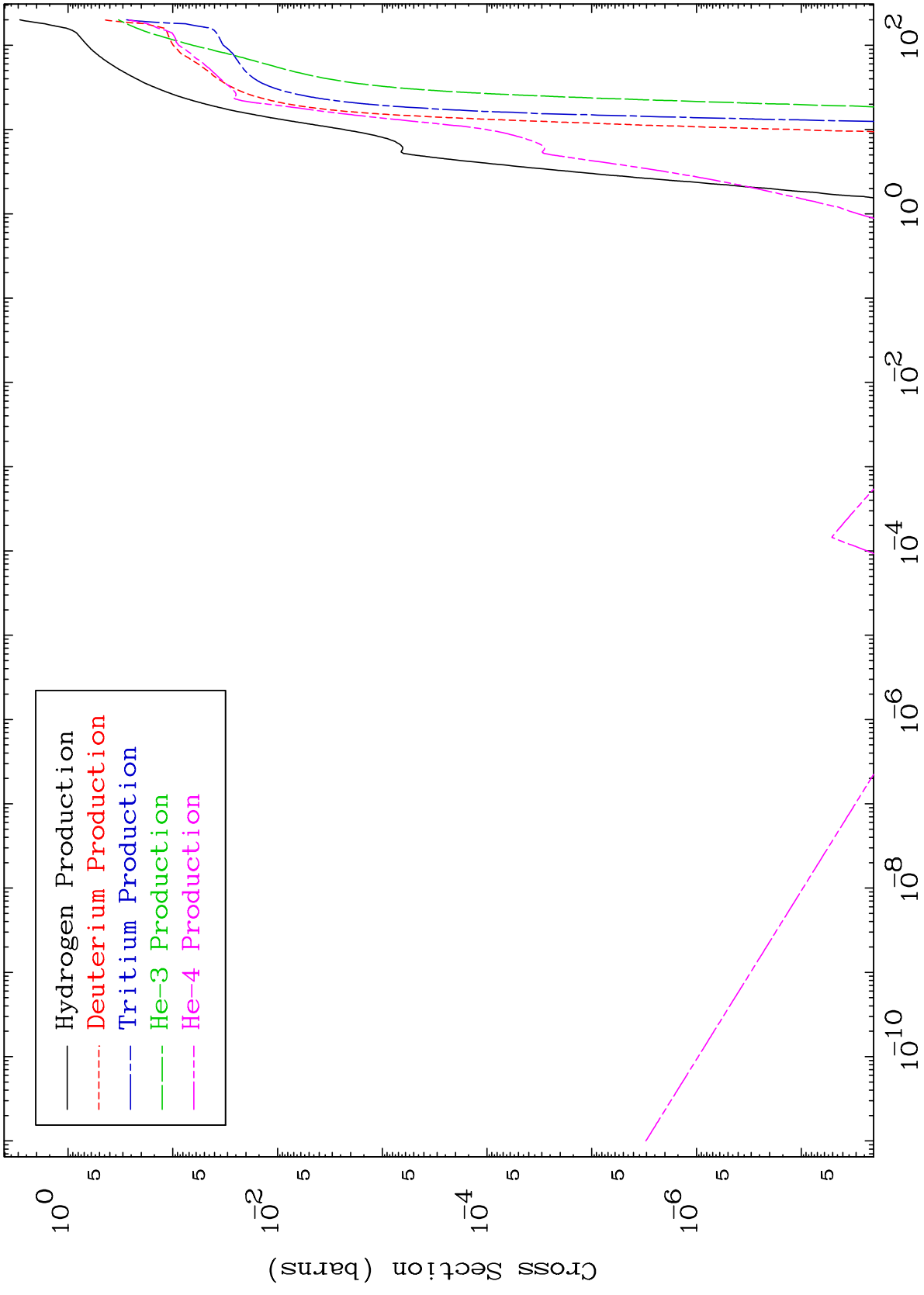
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82-Pb-200

MAT 8213

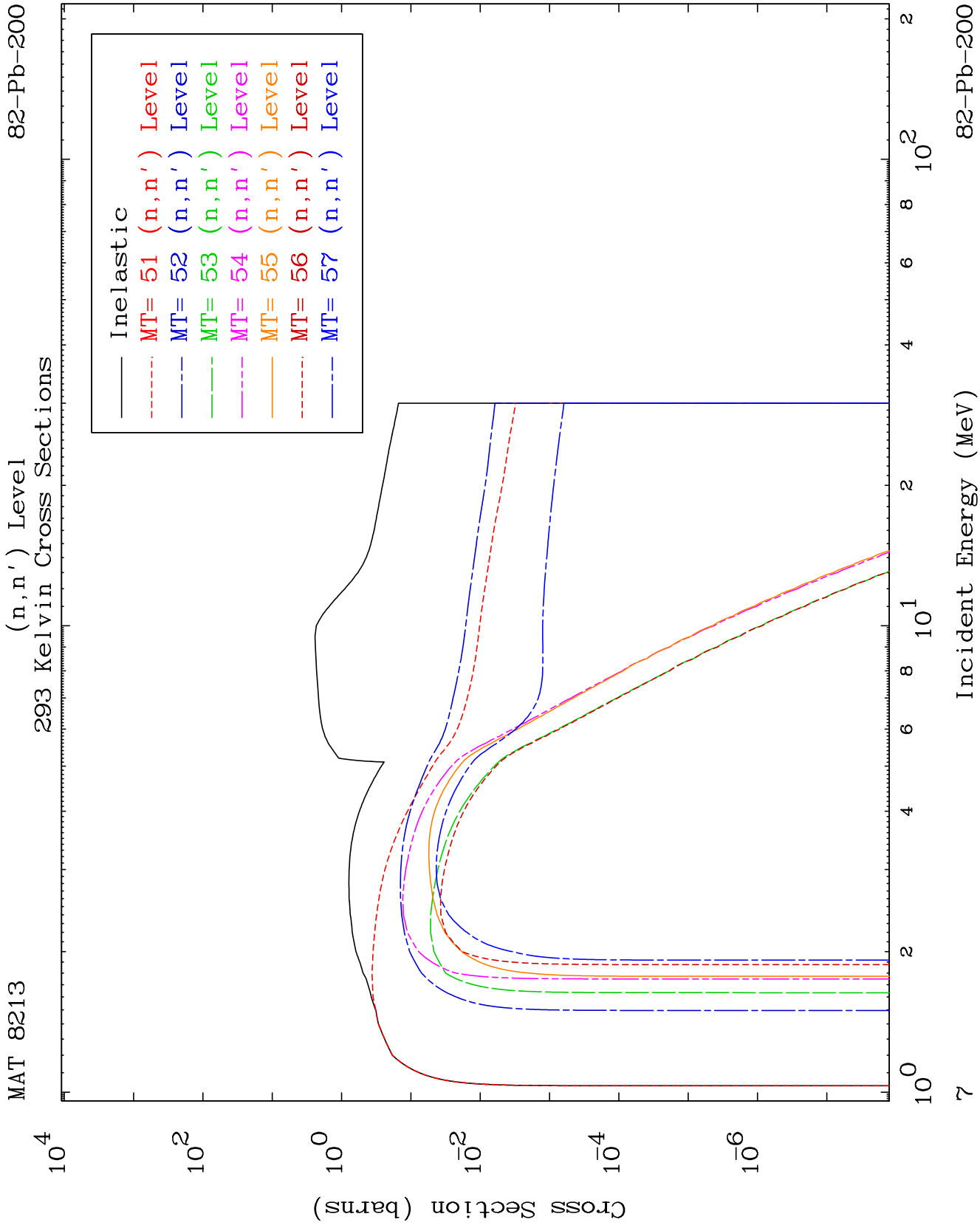
Particle Production  
293 Kelvin Cross Sections

82-Pb-200



6

82-Pb-200

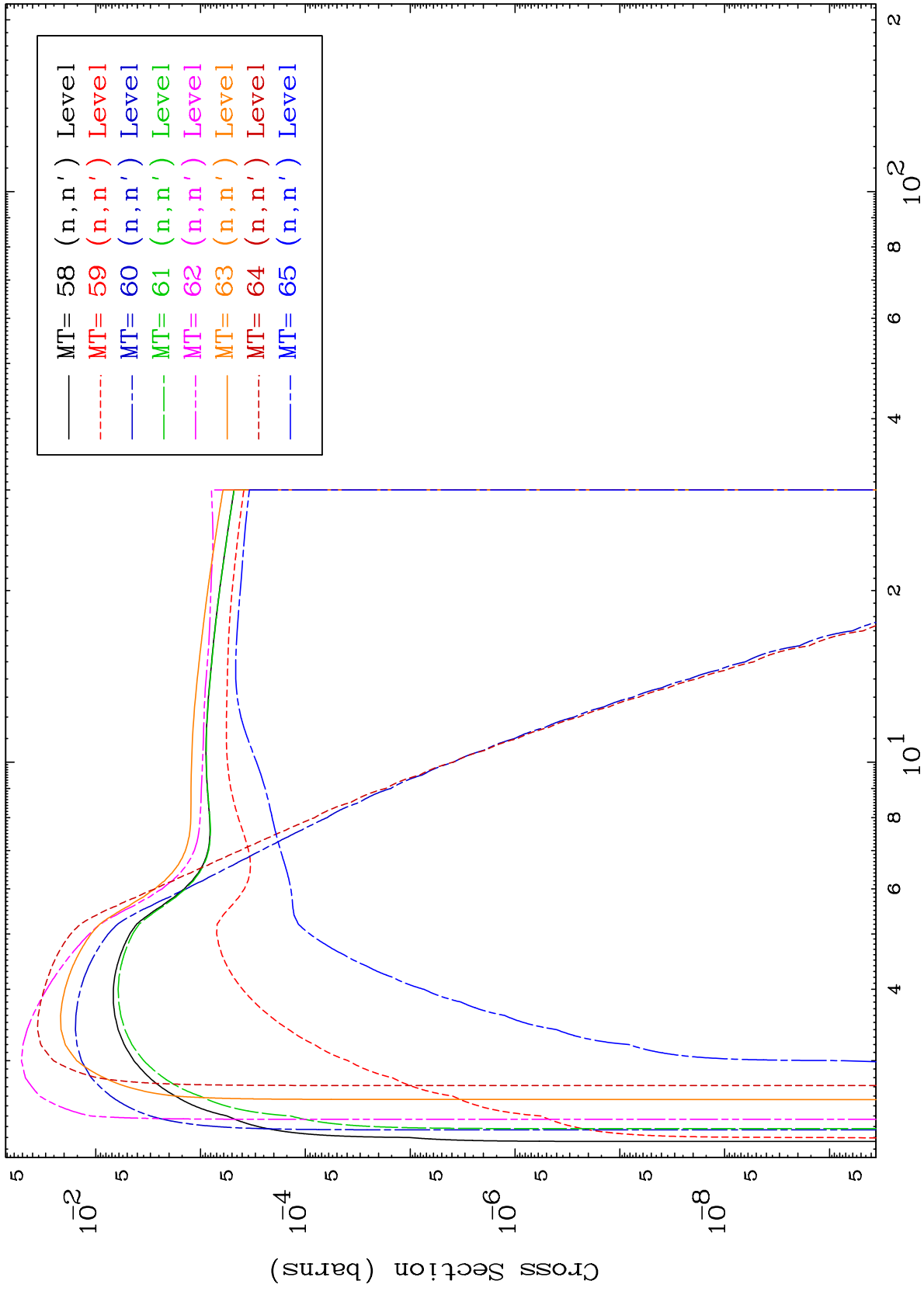


MAT 8213

(n,n') Level

82-Pb-200

293 Kelvin Cross Sections



8

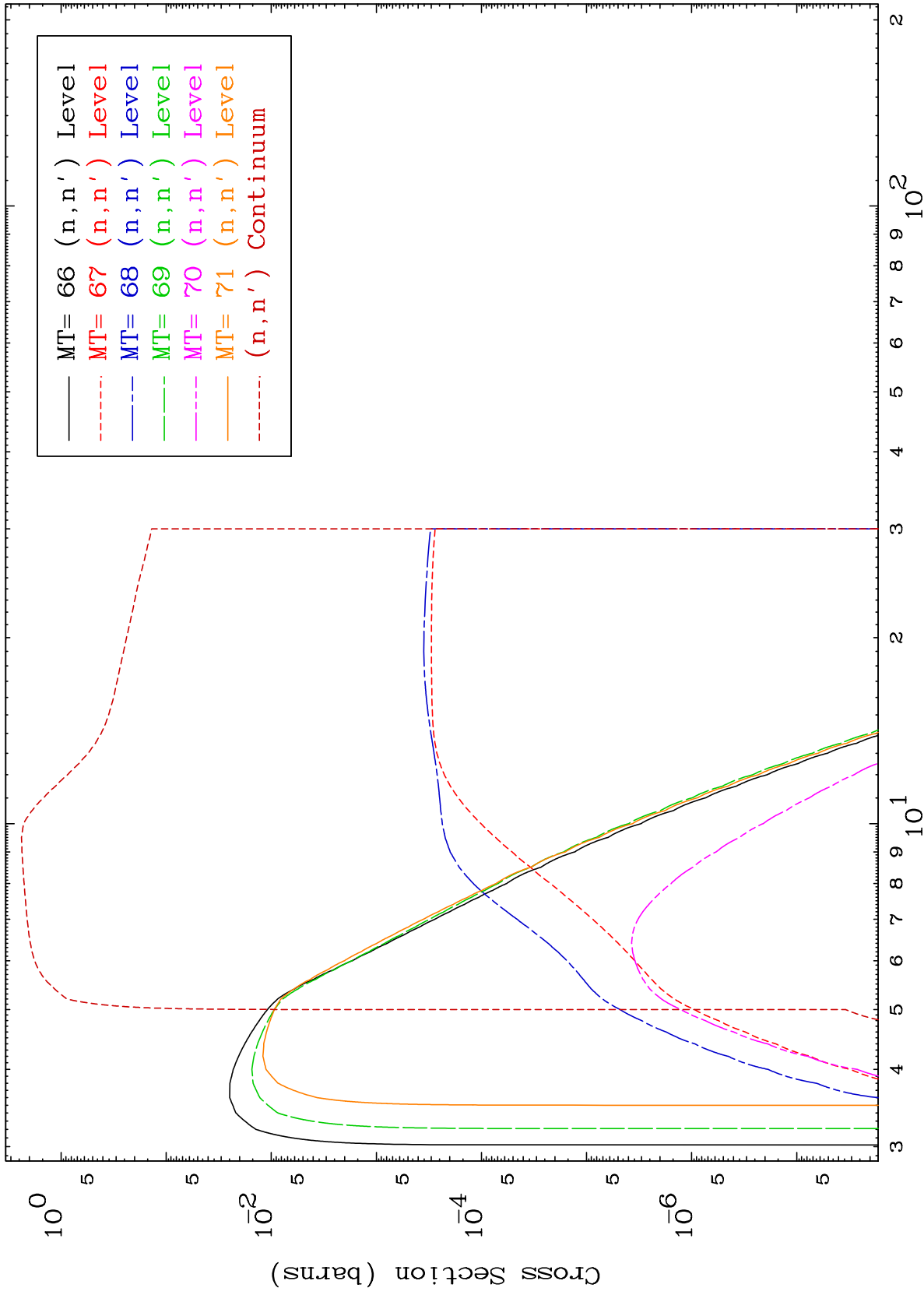
Incident Energy (MeV)

82-Pb-200

MAT 8213

(n,n') Level  
293 Kelvin Cross Sections

82-Pb-200



9

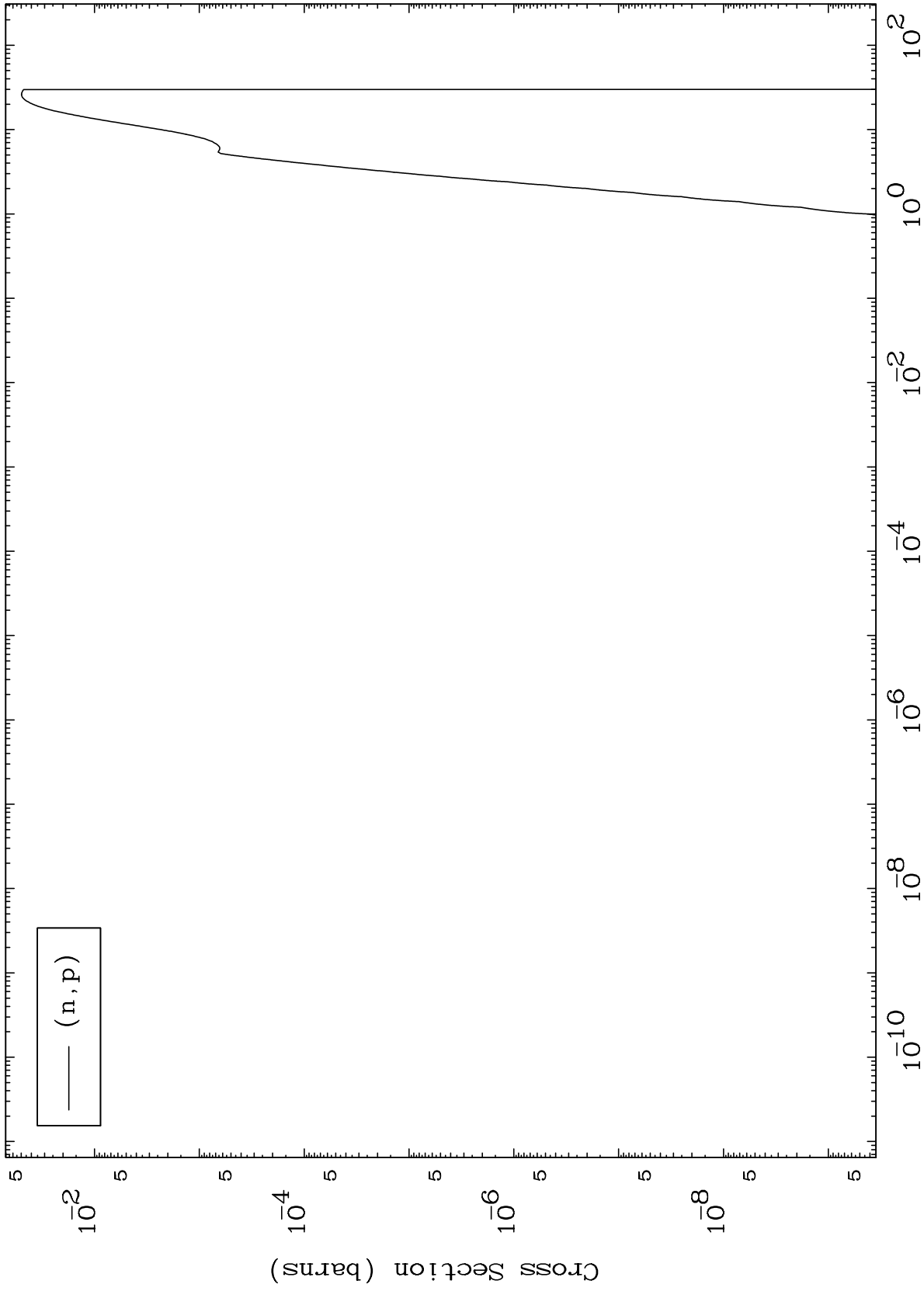
Incident Energy (MeV)

82-Pb-200

MAT 8213

(n,p) Levels  
293 Kelvin Cross Sections

82-Pb-200



10

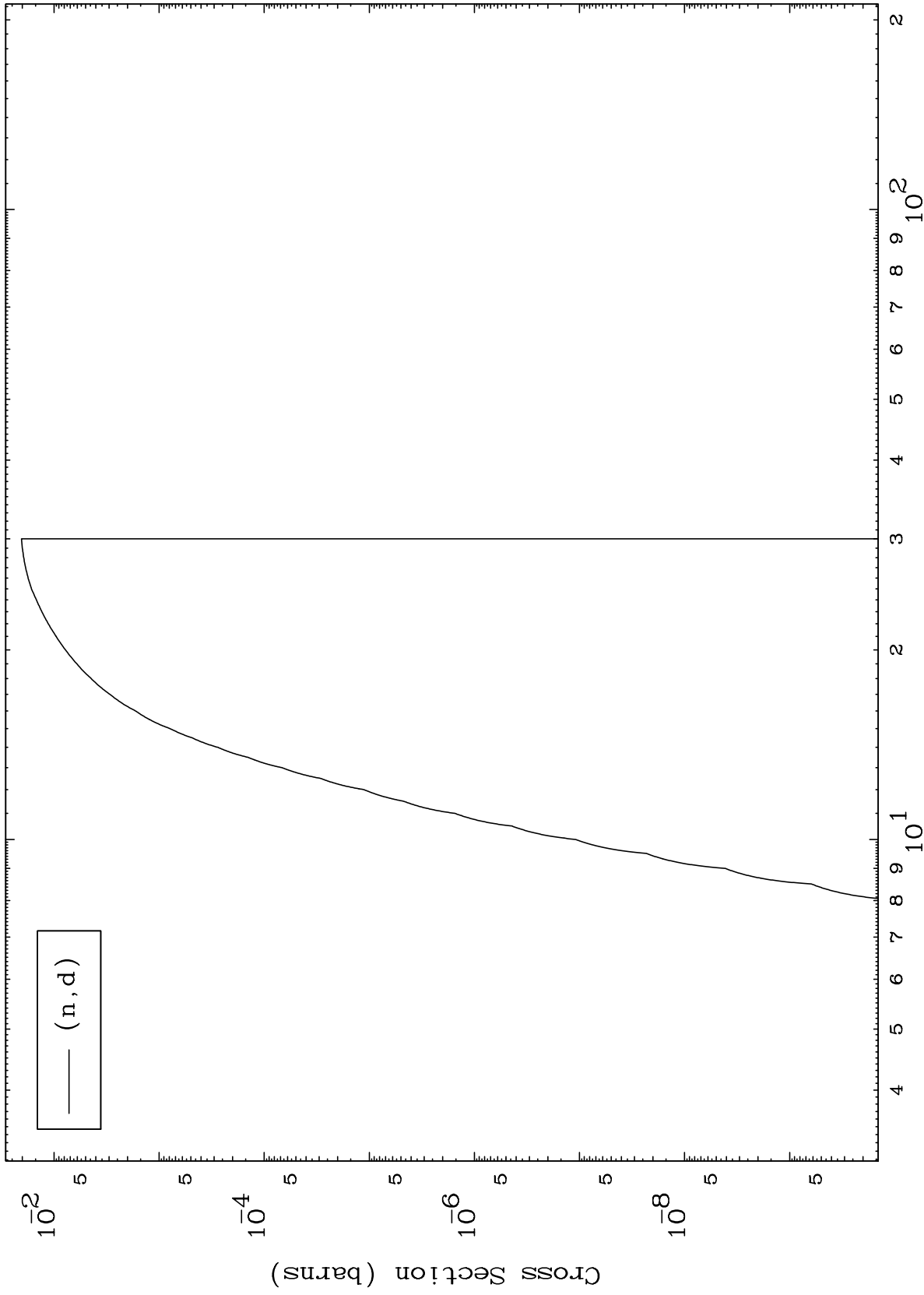
Incident Energy (MeV)

82-Pb-200

MAT 8213

(n,d) Levels  
293 Kelvin Cross Sections

82-Pb-200



11

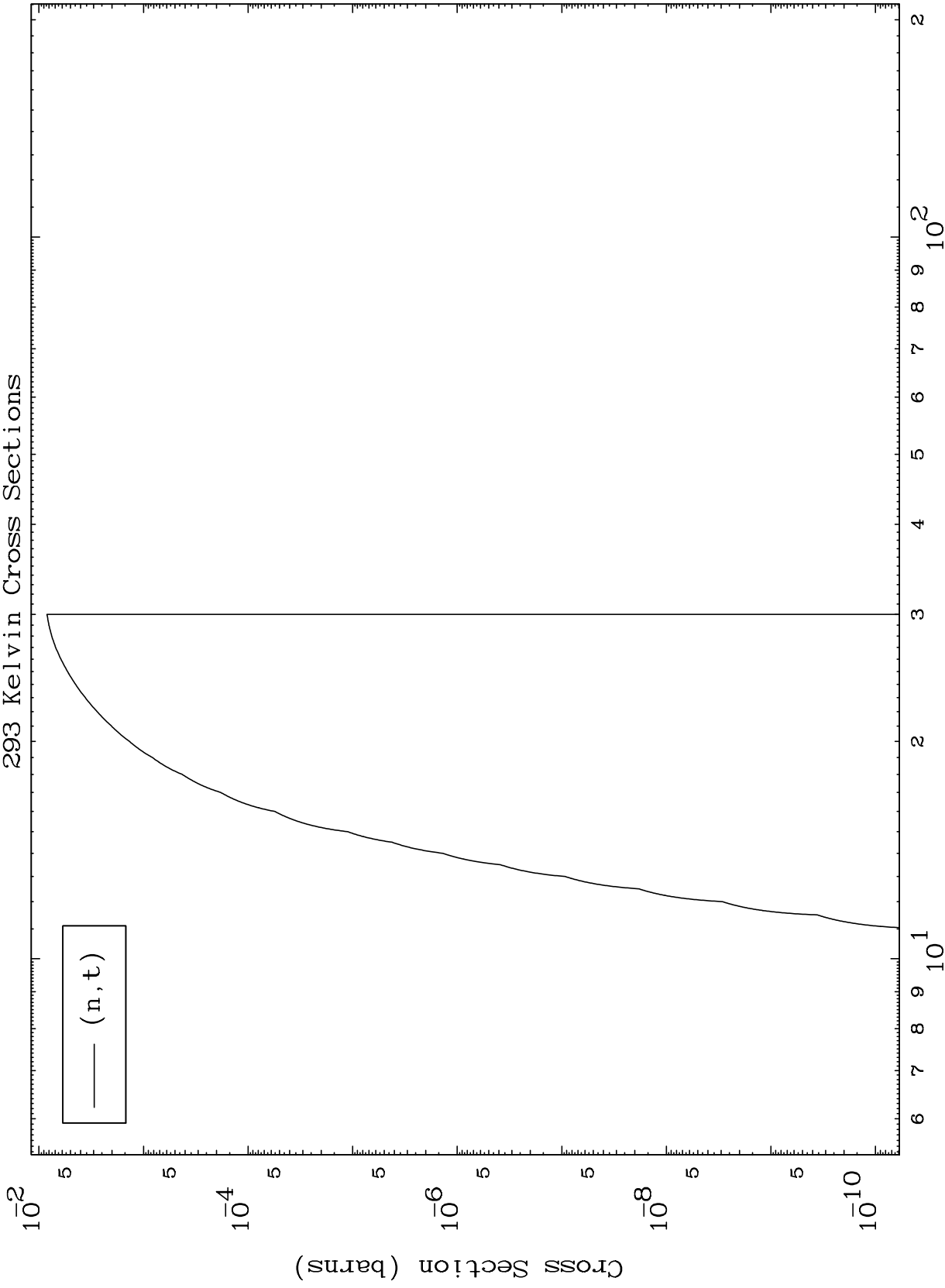
Incident Energy (MeV)

82-Pb-200

MAT 8213

82-Pb-200

(n,t) Levels  
293 Kelvin Cross Sections



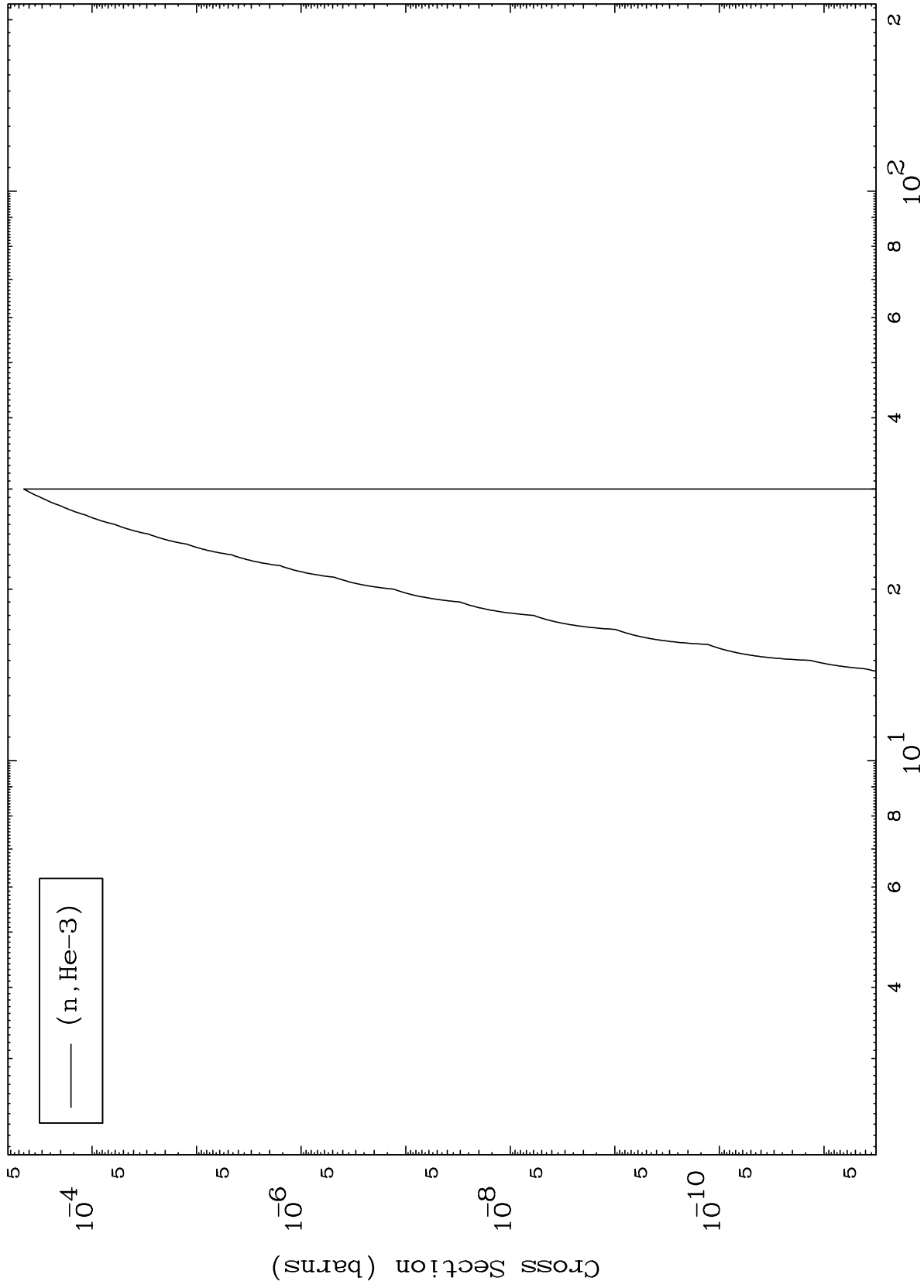
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82-Pb-200

MAT 8213

(n,He3) Levels  
293 Kelvin Cross Sections

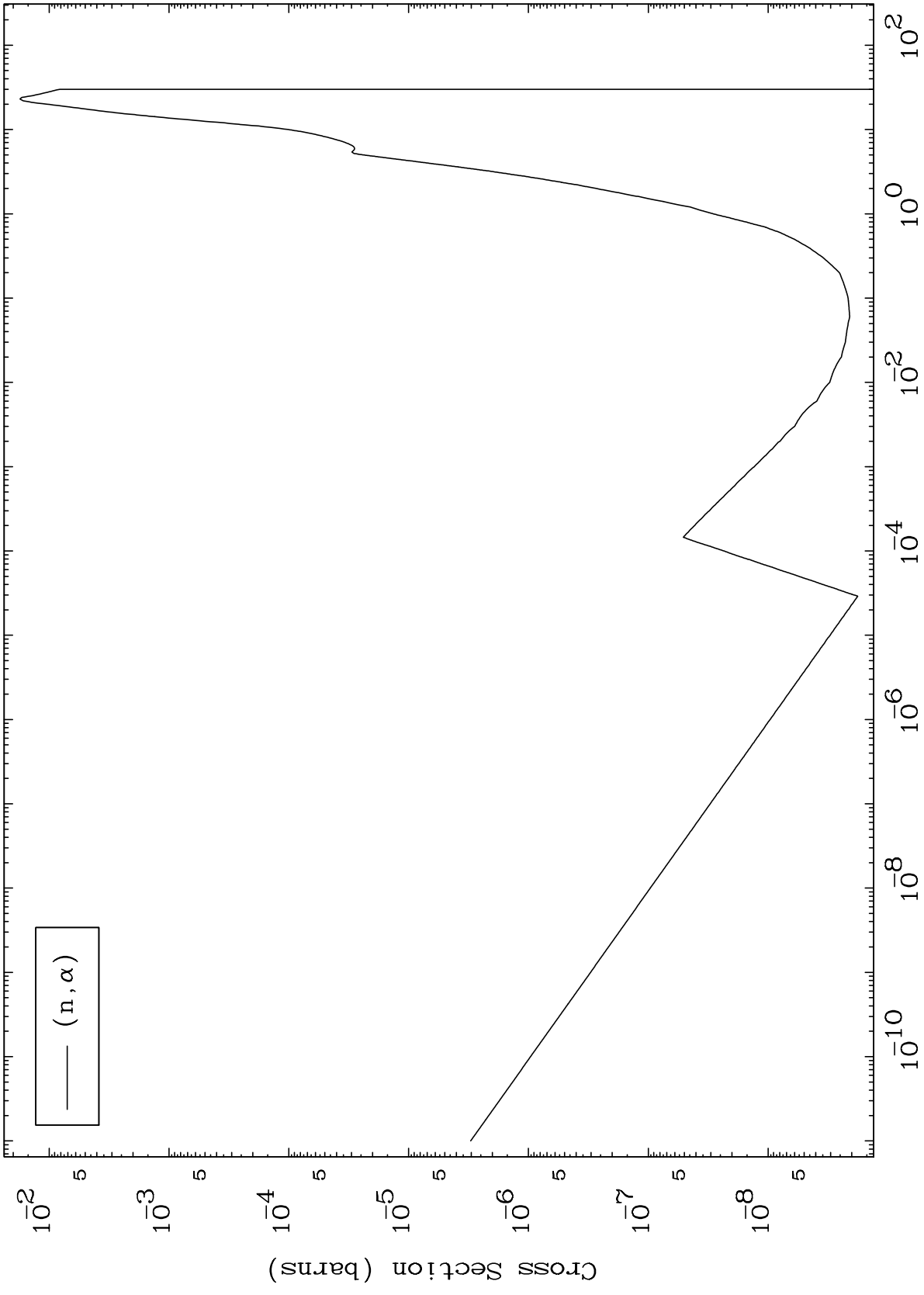
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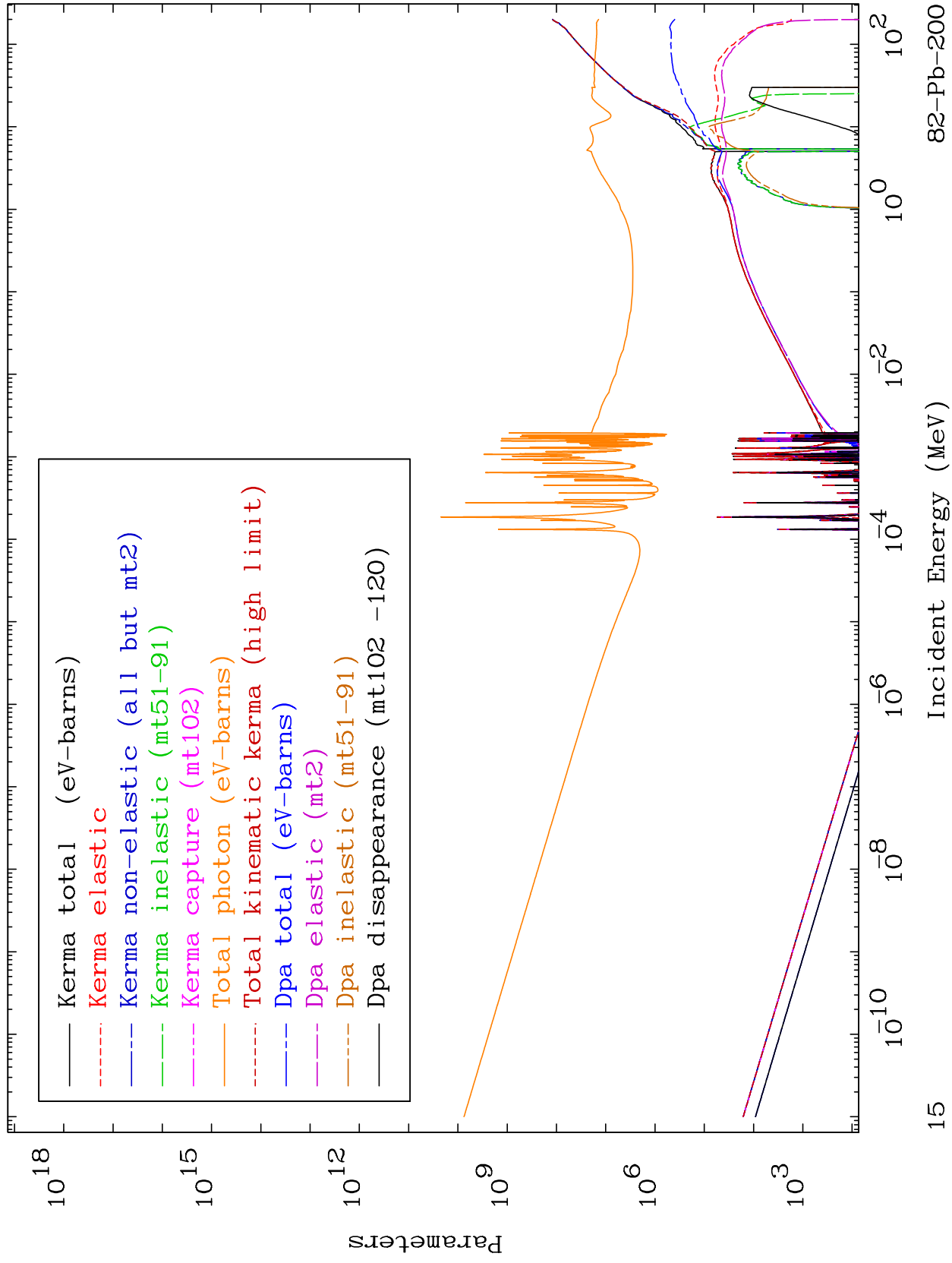


MAT 8213

(n,α) Levels  
293 Kelvin Cross Sections

82-Pb-200

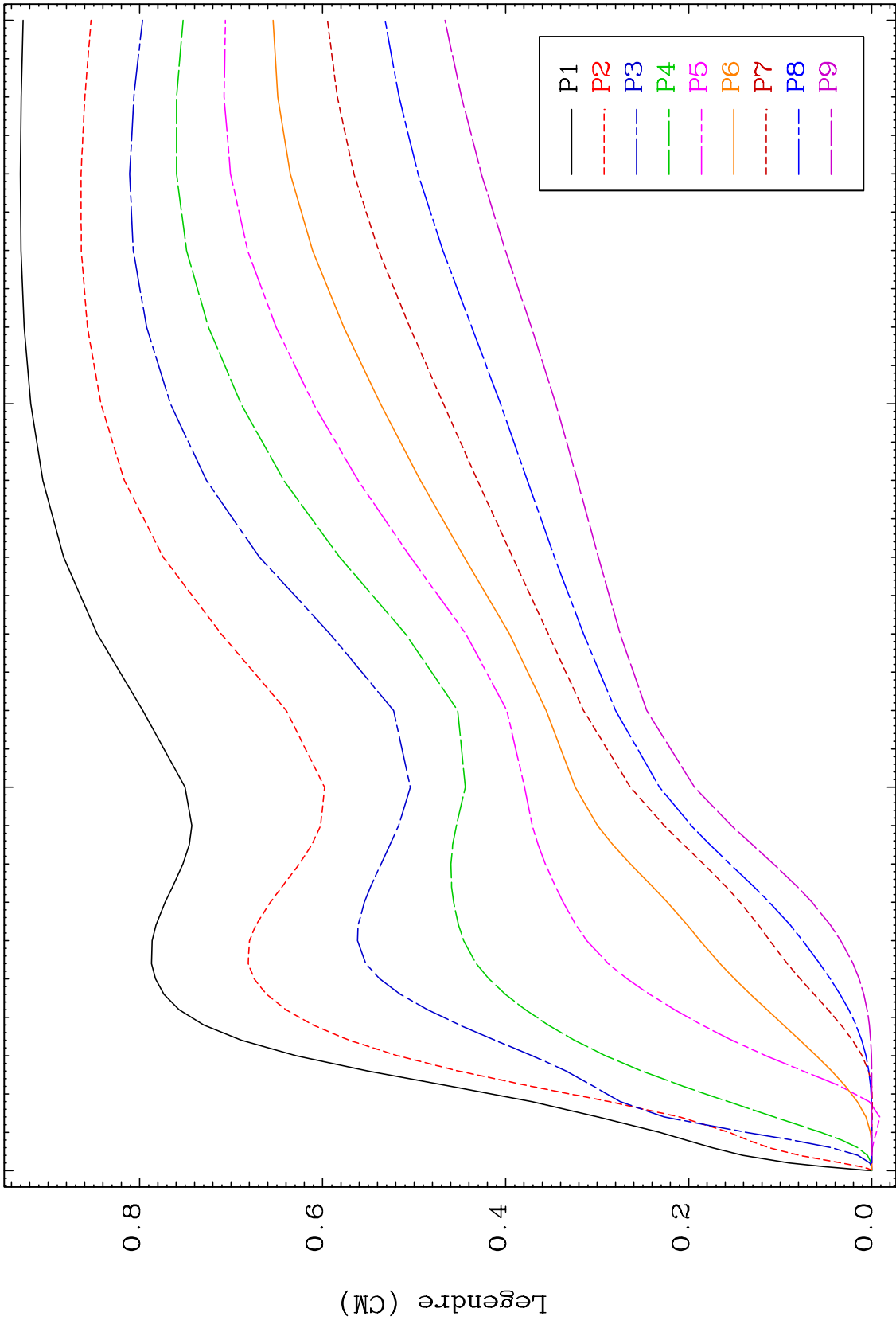




MAT 8213

Elastic Legendre Coefficients

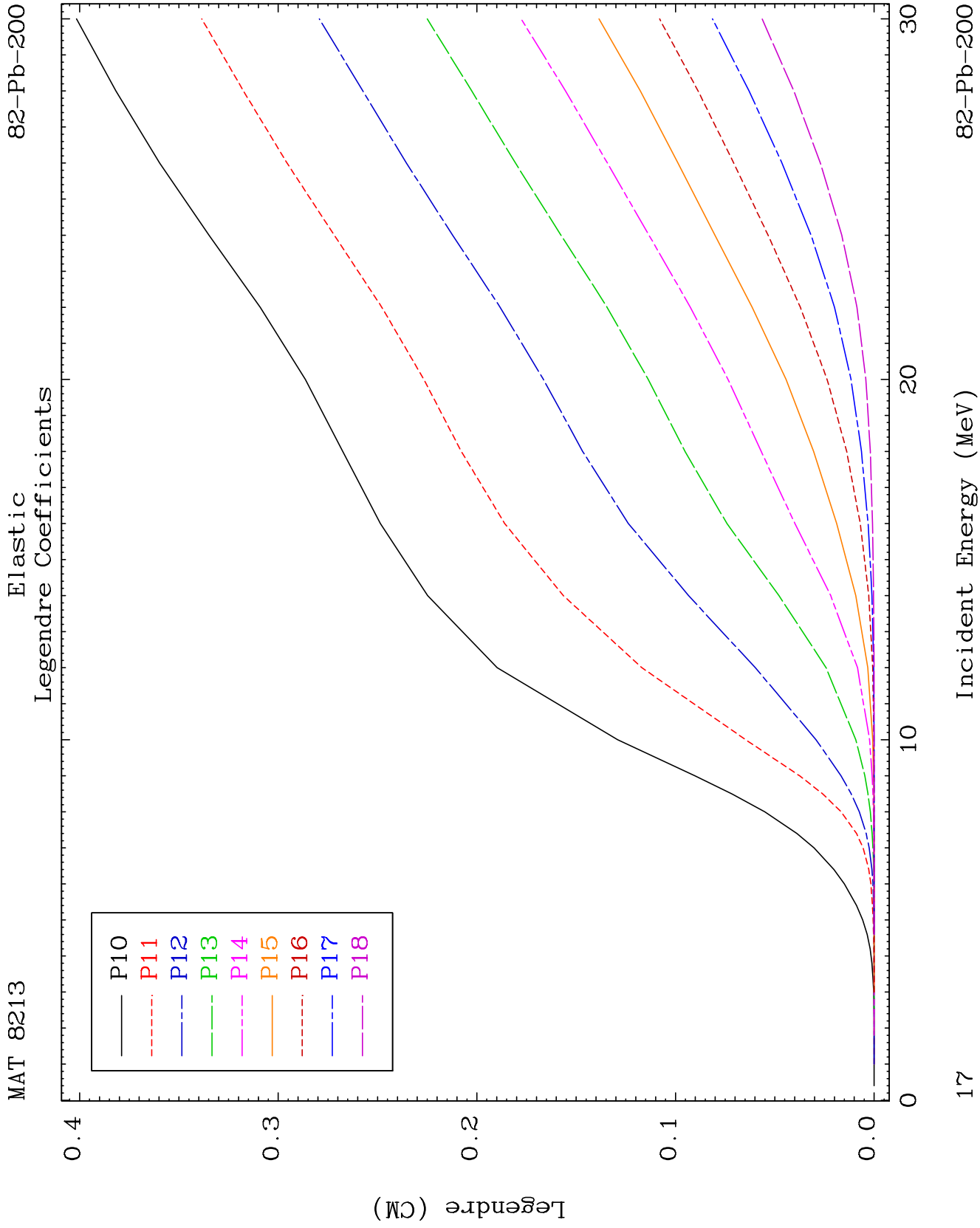
82-Pb-200



16

Incident Energy (MeV)

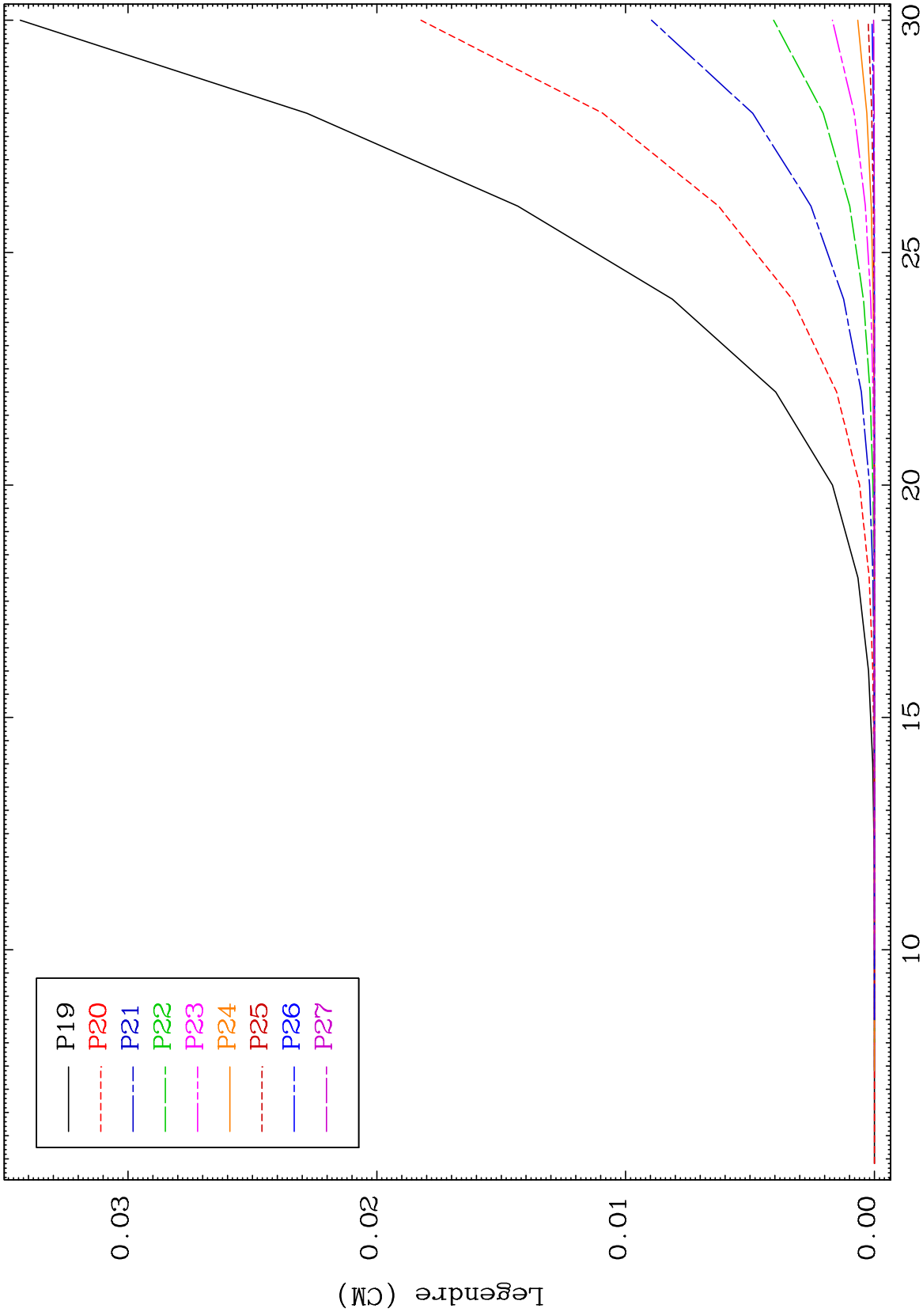
82-Pb-200



MAT 8213

Elastic Legendre Coefficients

82-Pb-200



18

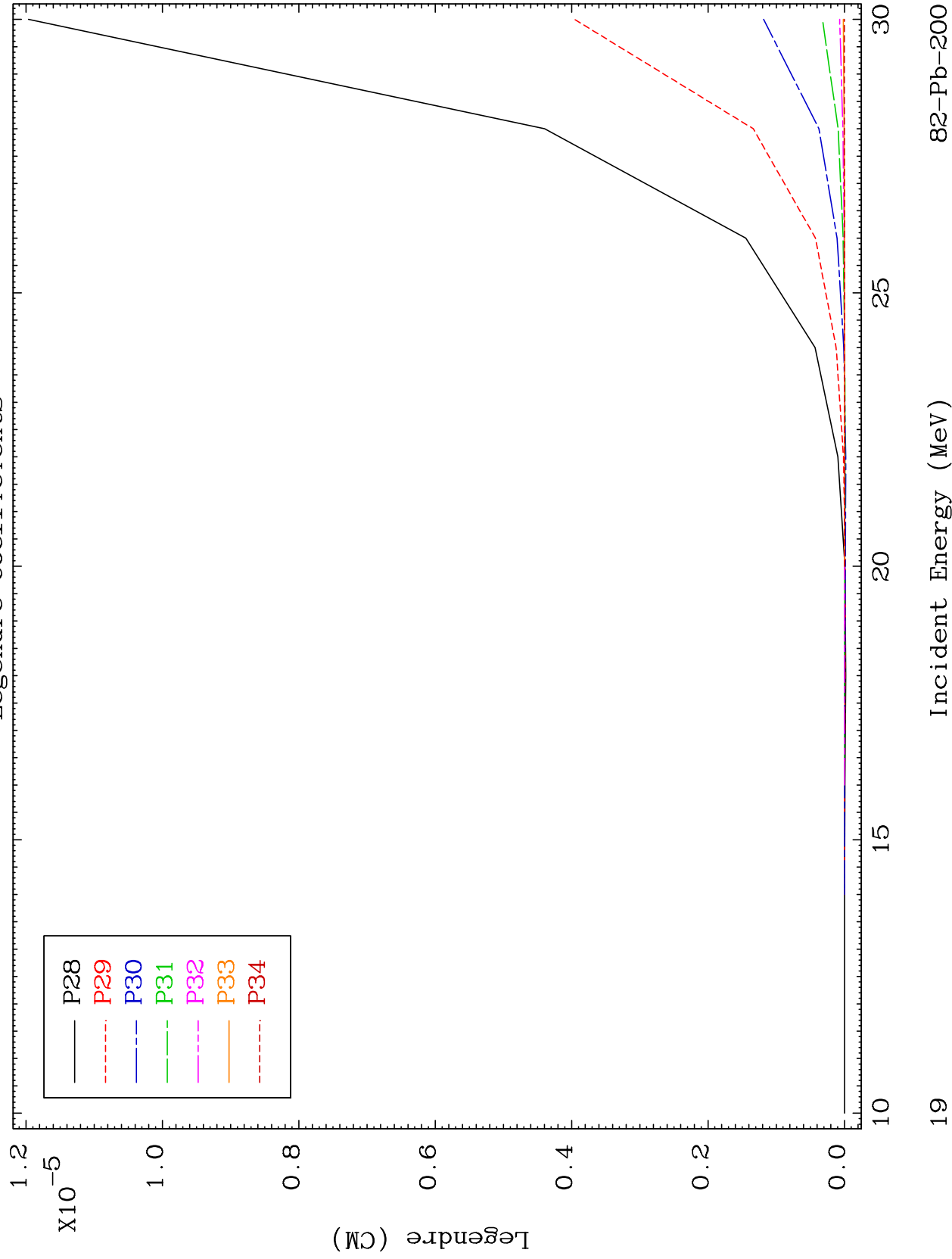
Incident Energy (MeV)

82-Pb-200

MAT 8213

Elastic Legendre Coefficients

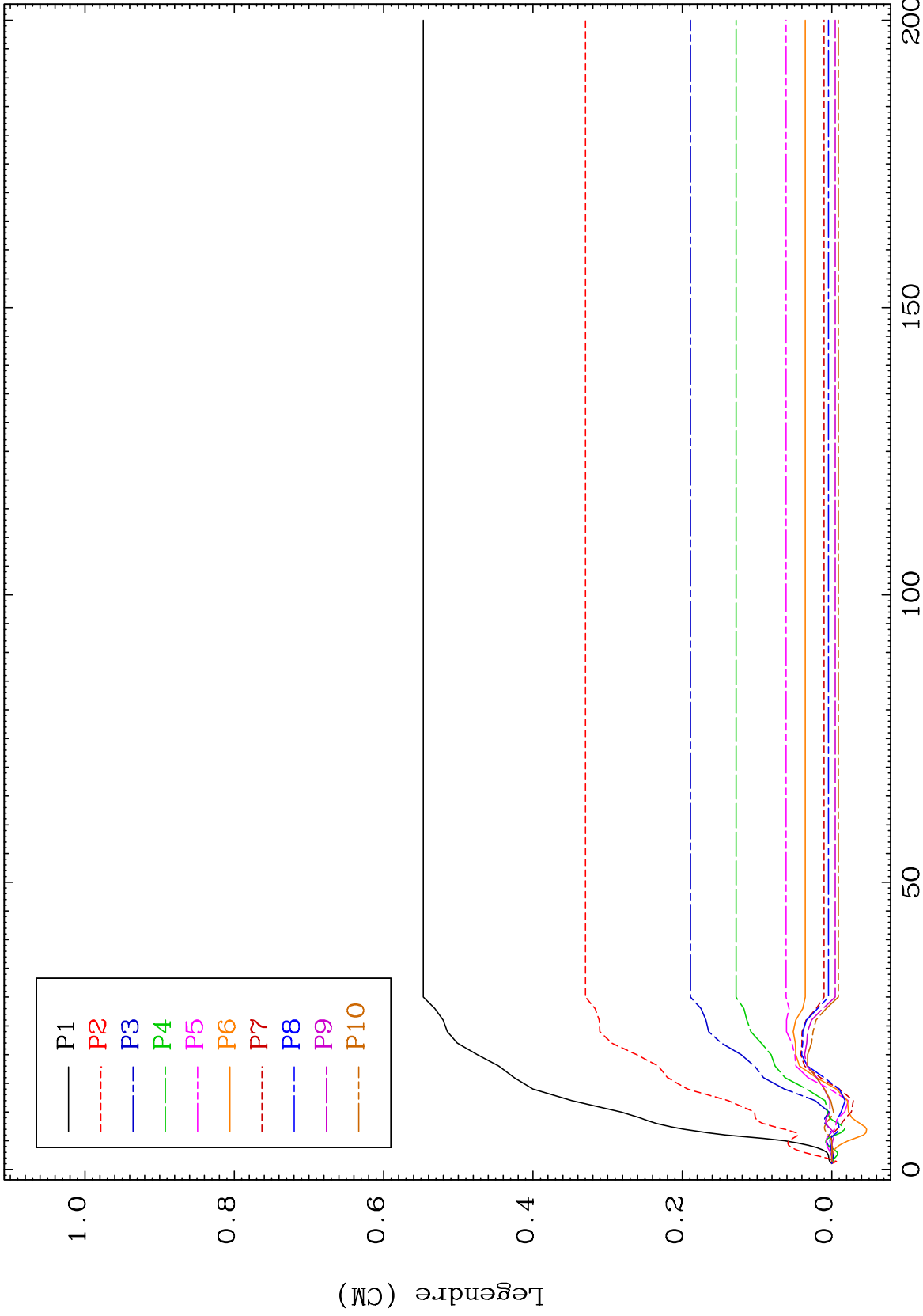
82-Pb-200



MAT 8213

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

82-Pb-200



82-Pb-200

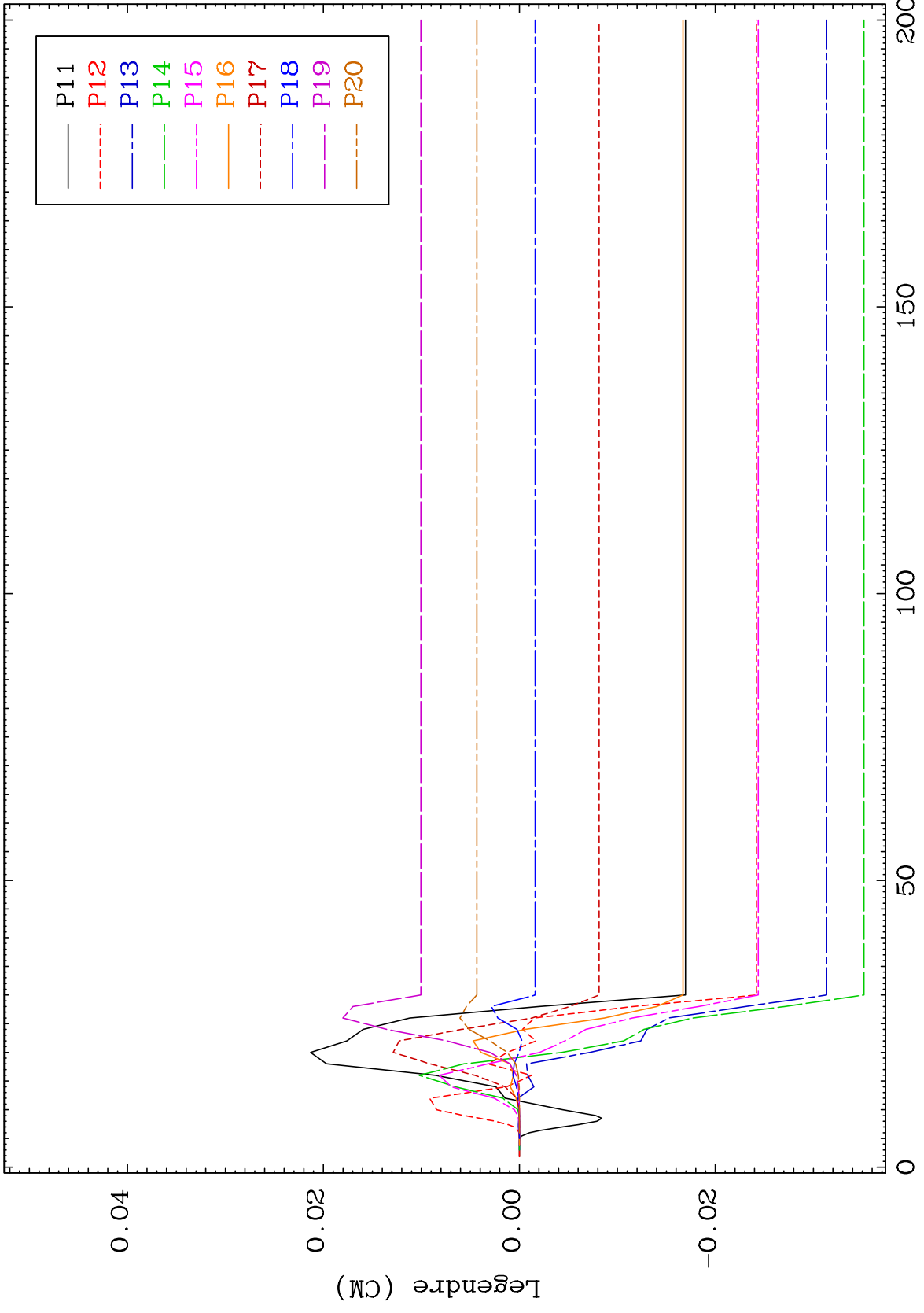
Incident Energy (MeV)

20

MAT 8213

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

82-Pb-200



21

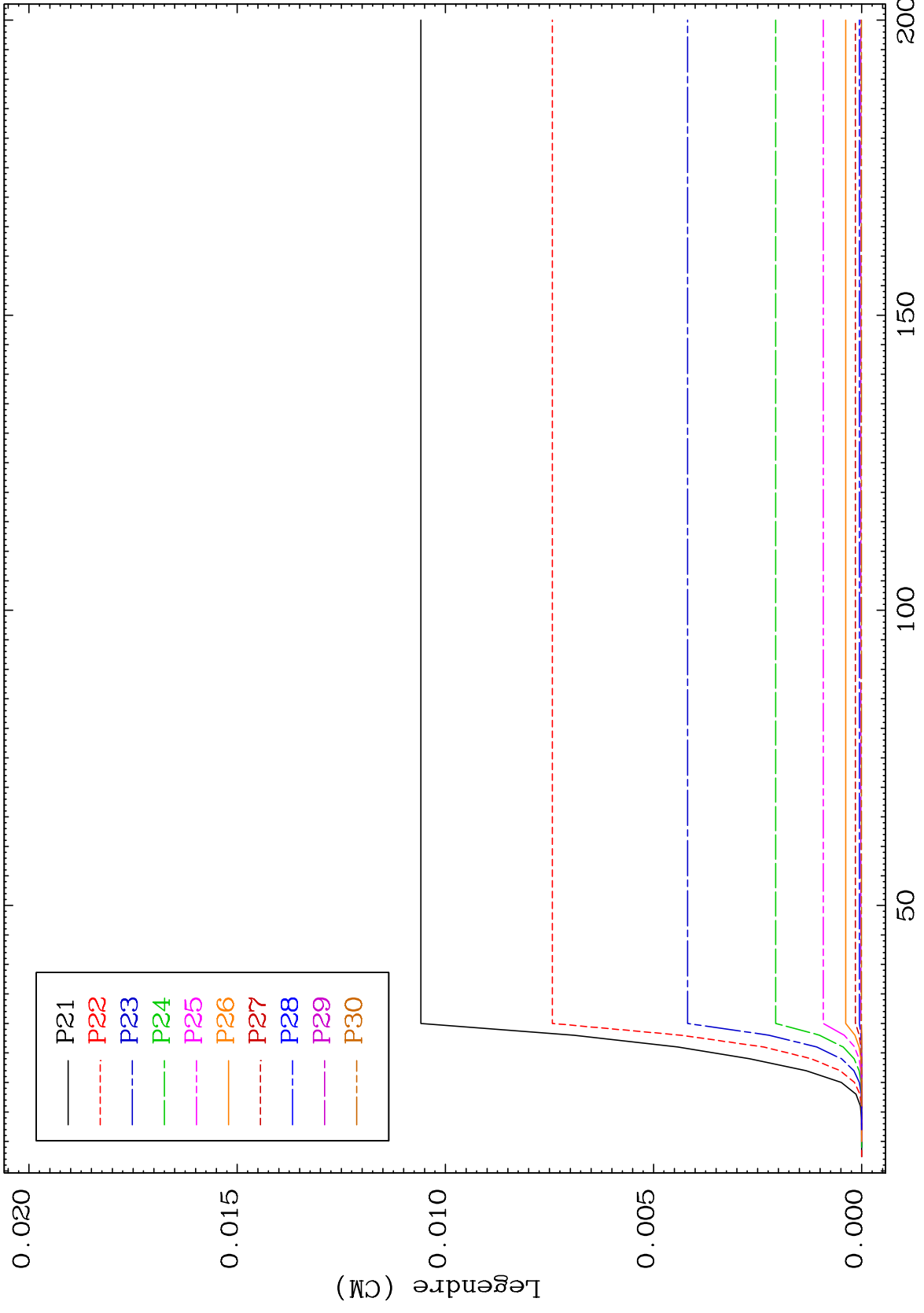
Incident Energy (MeV)

82-Pb-200

MAT 8213

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

82-Pb-200



22

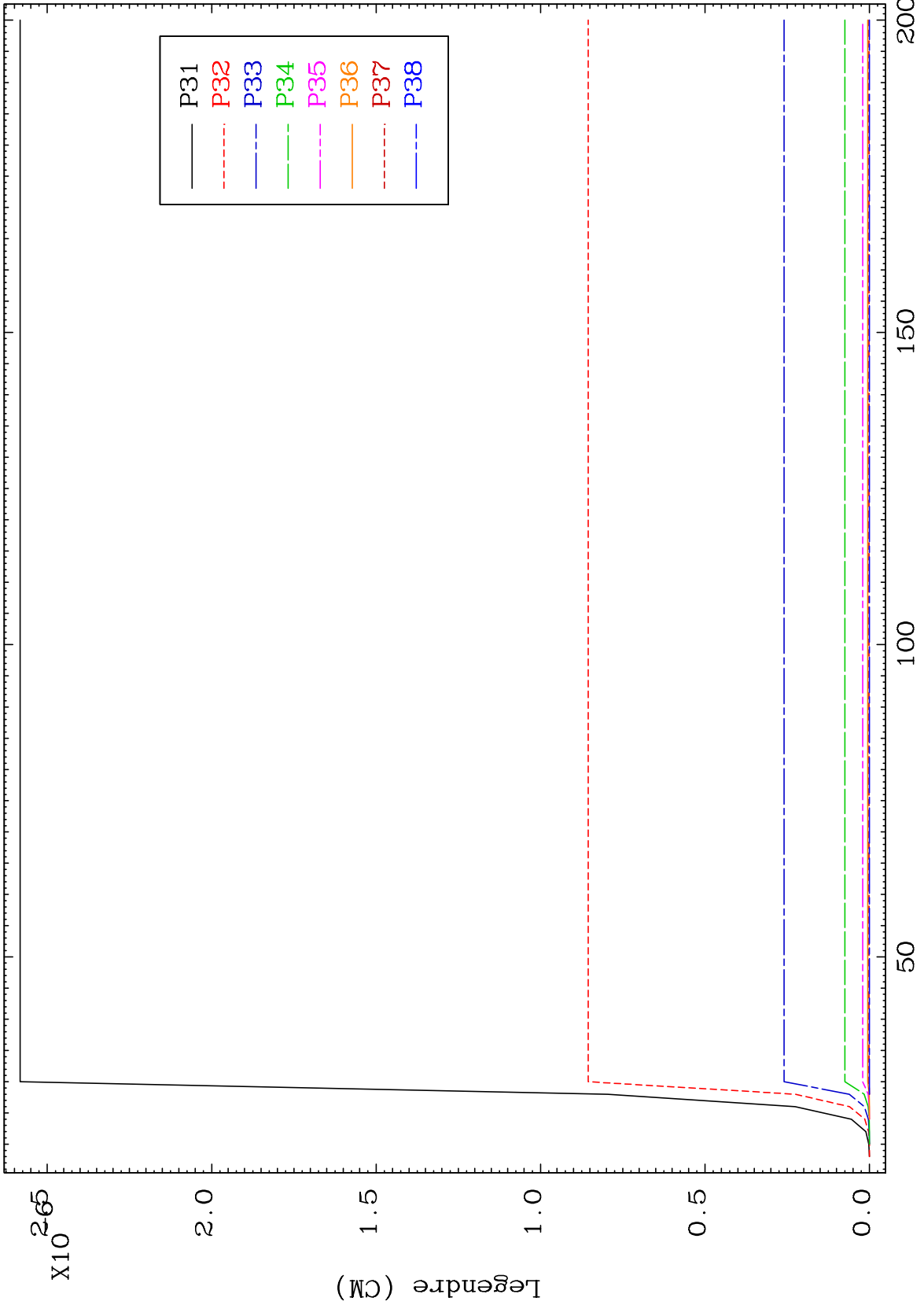
Incident Energy (MeV)

82-Pb-200

MAT 8213

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

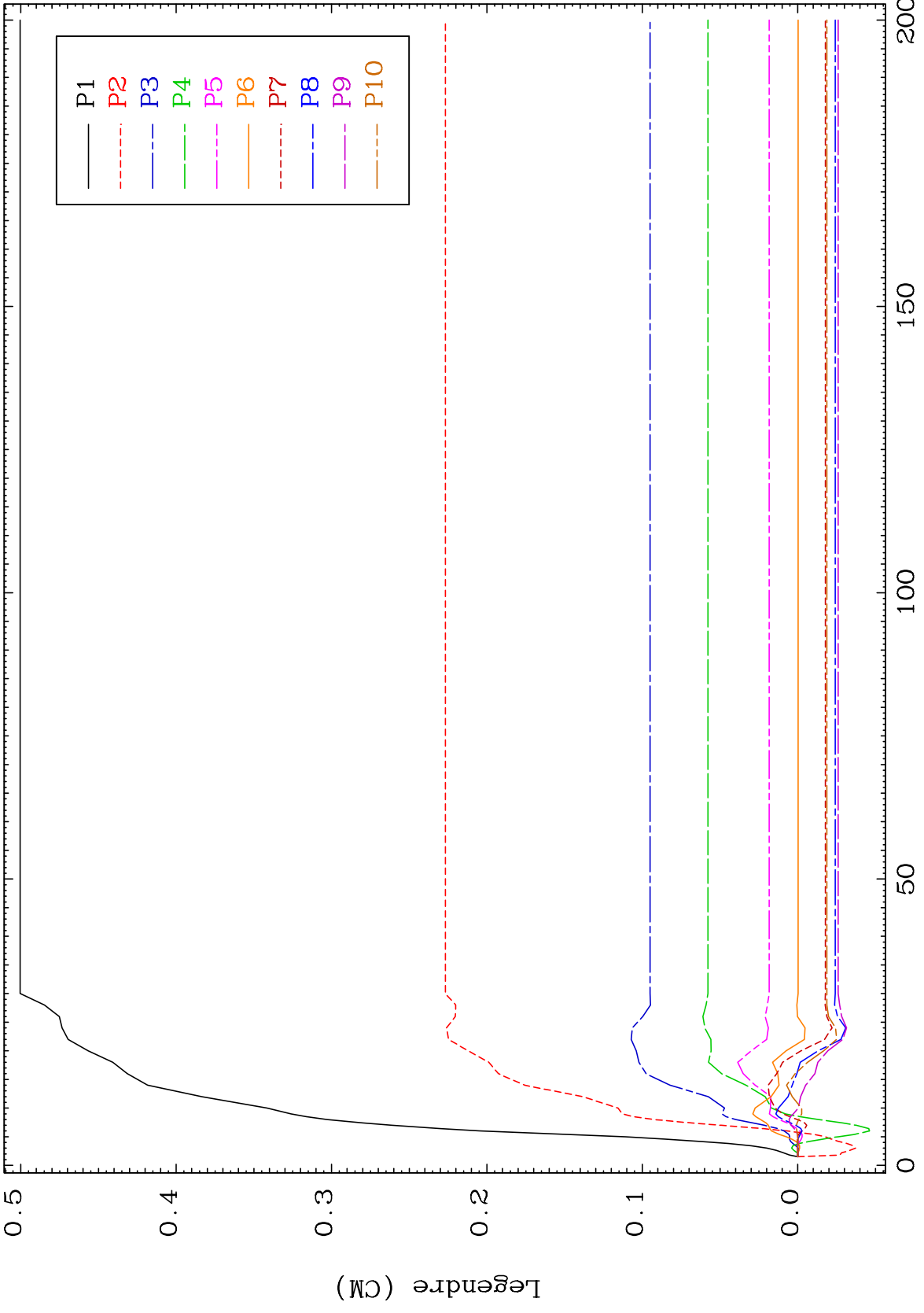
82-Pb-200



23

82-Pb-200

MAT 8213 MT= 52 (n,n') Level Legendre Coefficients 82-Pb-200

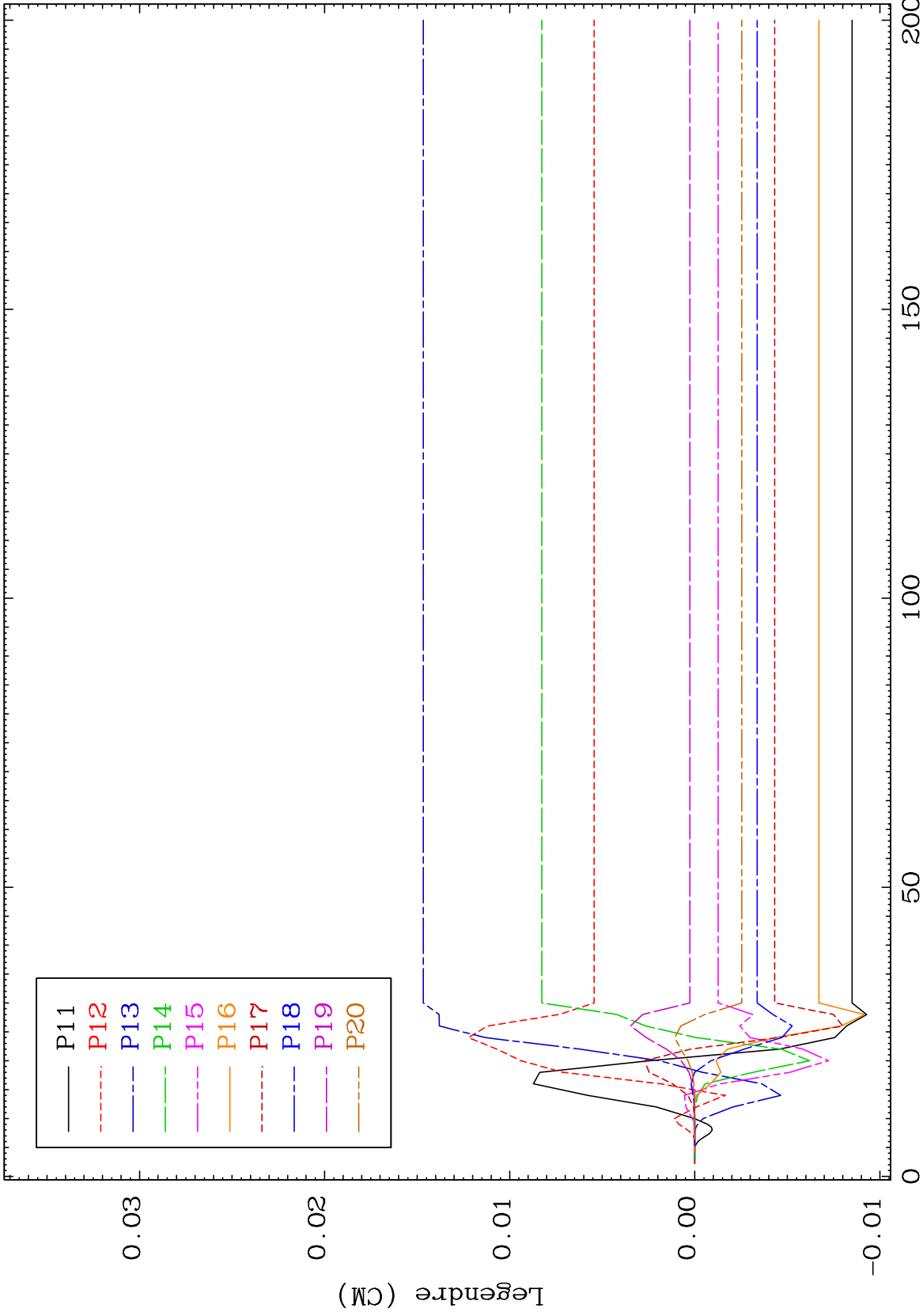


24 82-Pb-200

MAT 8213

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

82-Pb-200



25

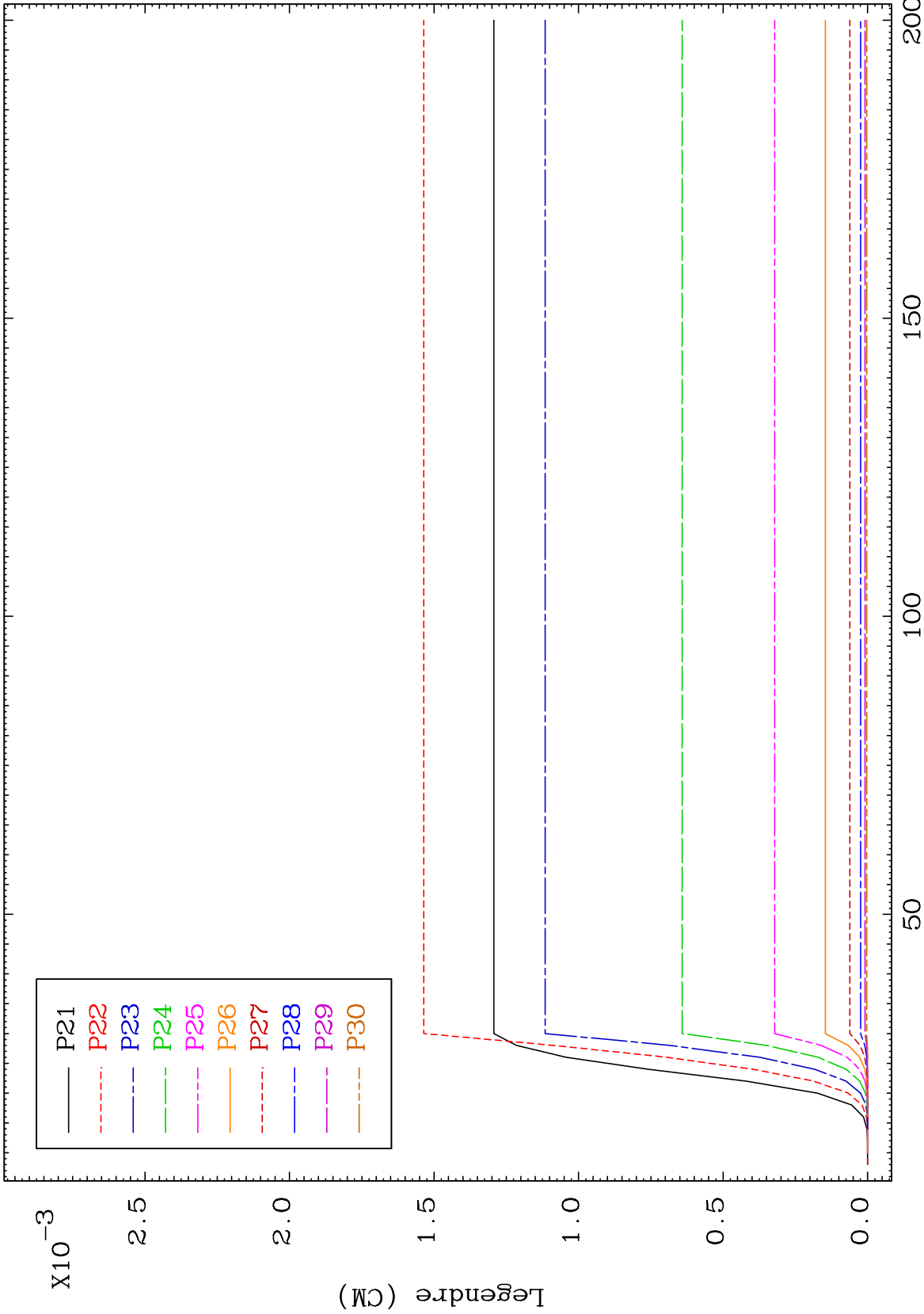
Incident Energy (MeV)

82-Pb-200

MAT 8213

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

82-Pb-200



26

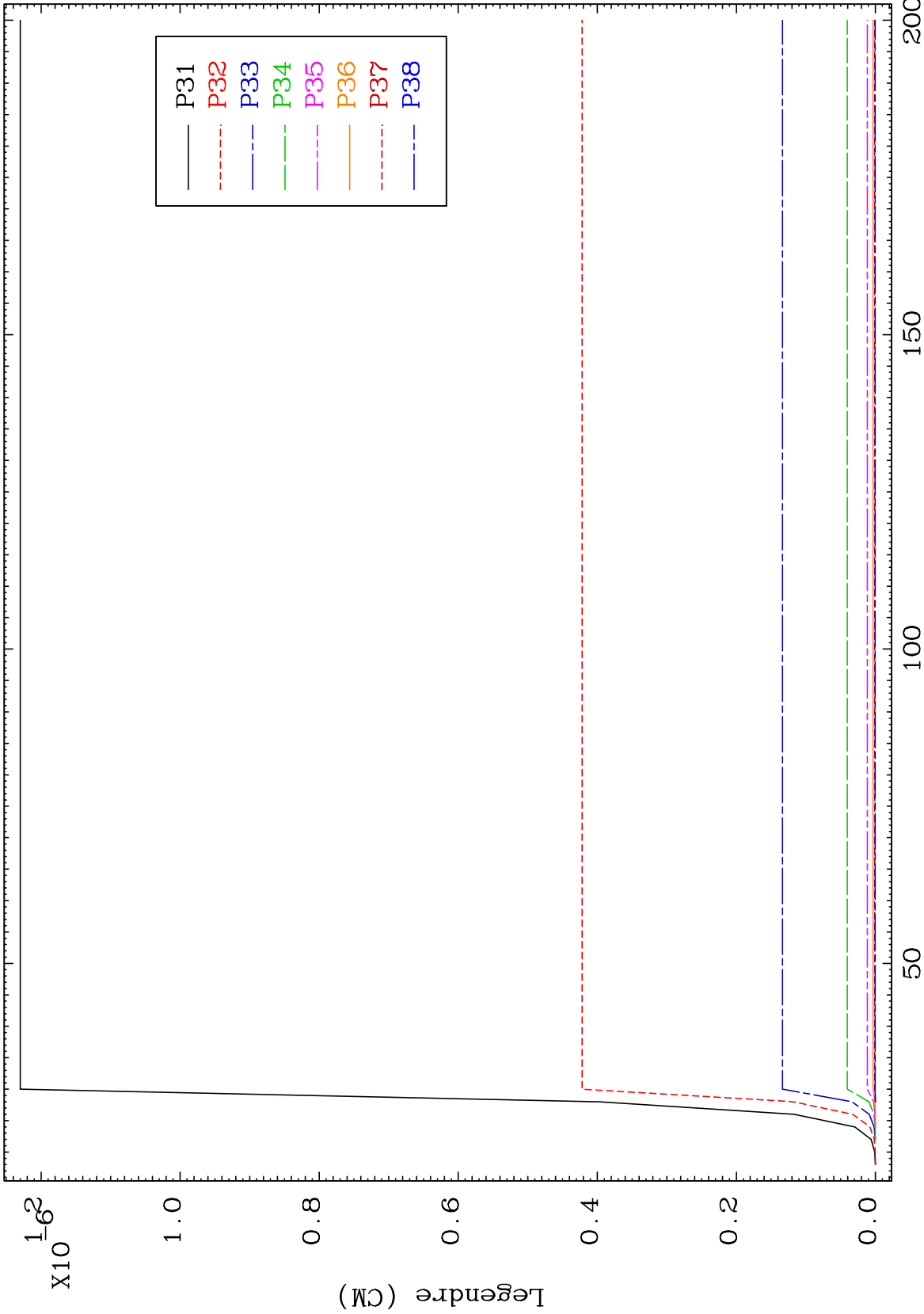
Incident Energy (MeV)

82-Pb-200

MAT 8213

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

82-Pb-200

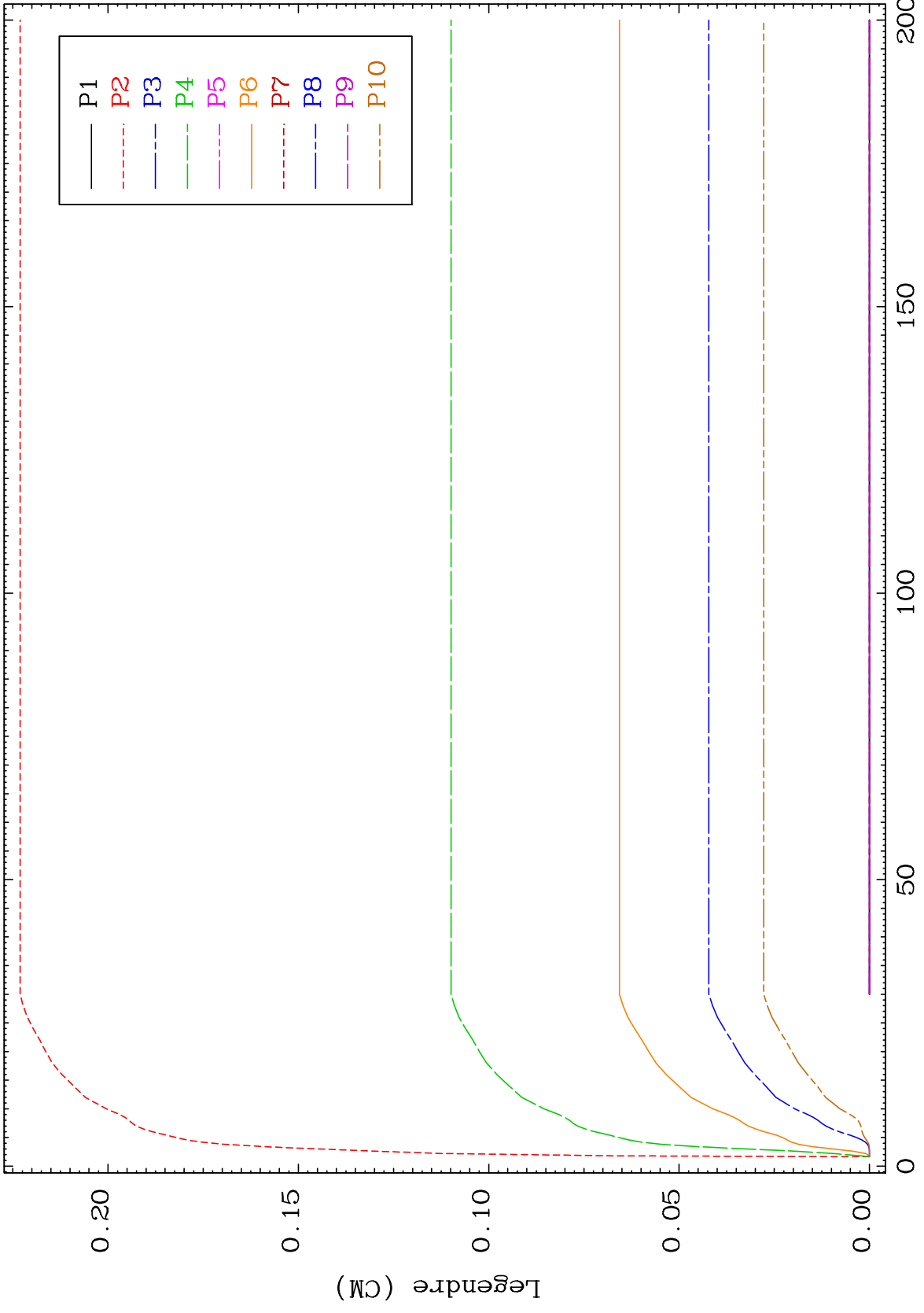


27

Incident Energy (MeV)

82-Pb-200

MAT 8213 MT= 53 (n,n') Level Legendre Coefficients 82-Pb-200

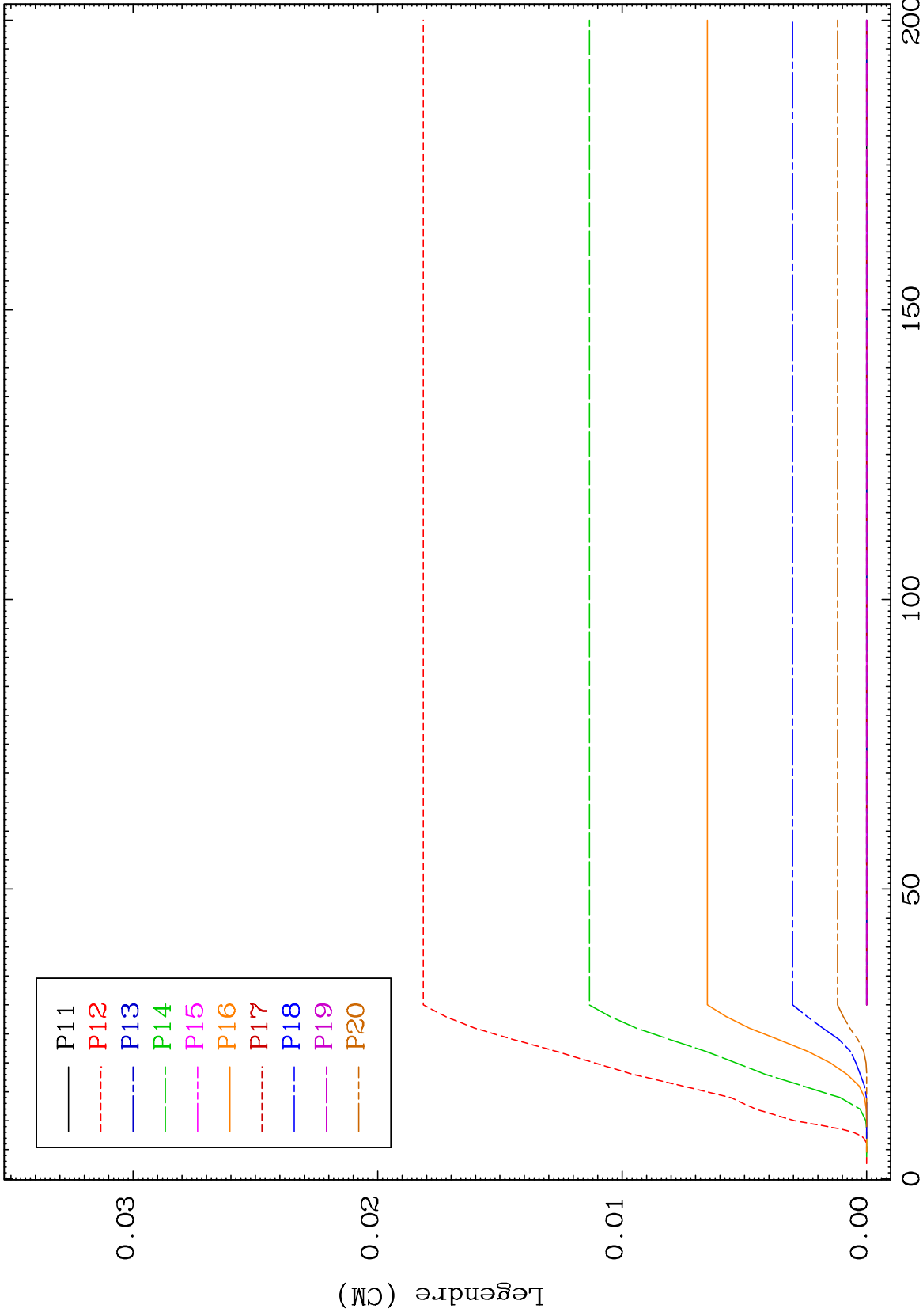


82-Pb-200

MAT 8213

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

82-Pb-200

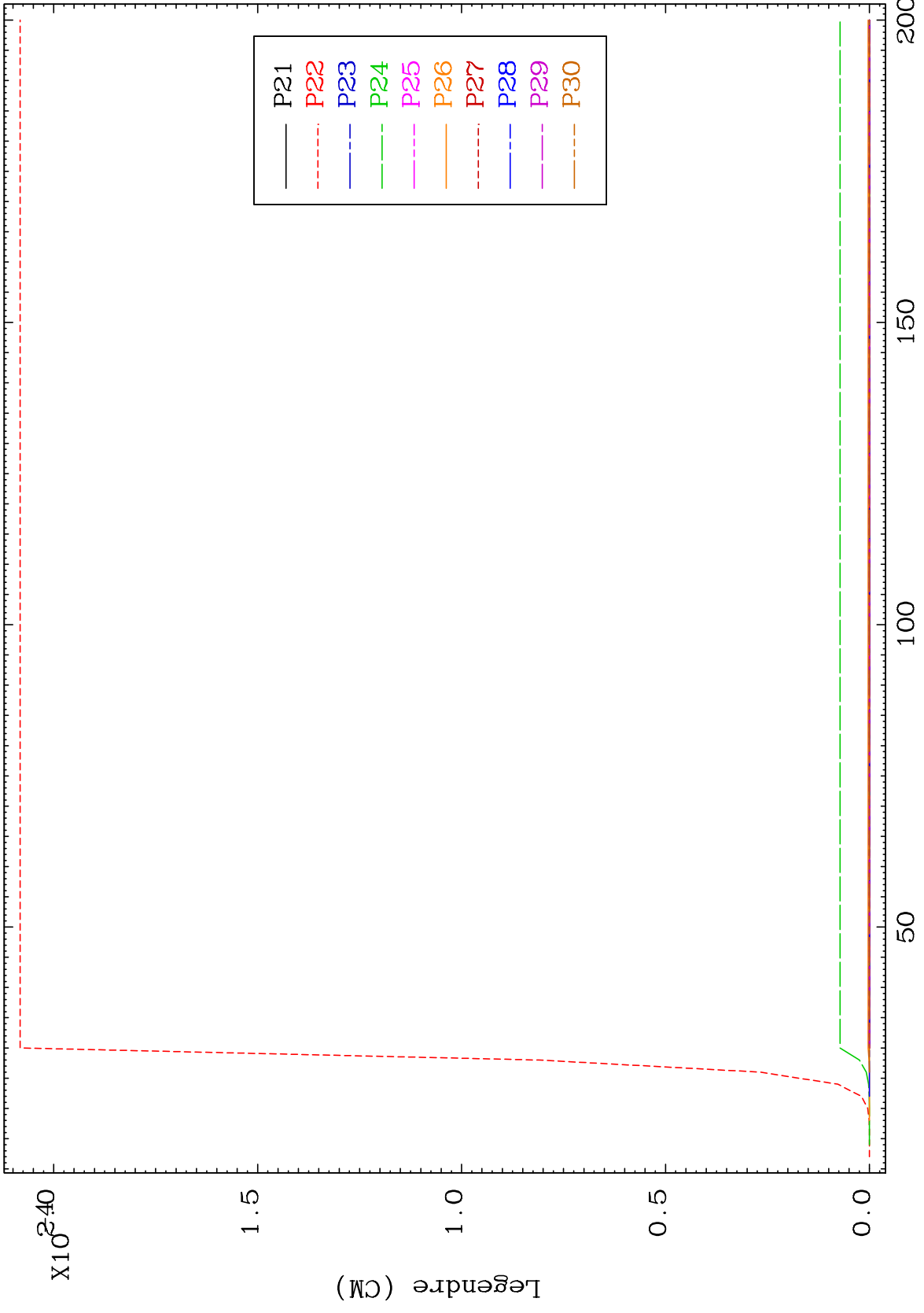


29

Incident Energy (MeV)

82-Pb-200

MAT 8213 MT= 53 (n,n') Level Legendre Coefficients 82-Pb-200

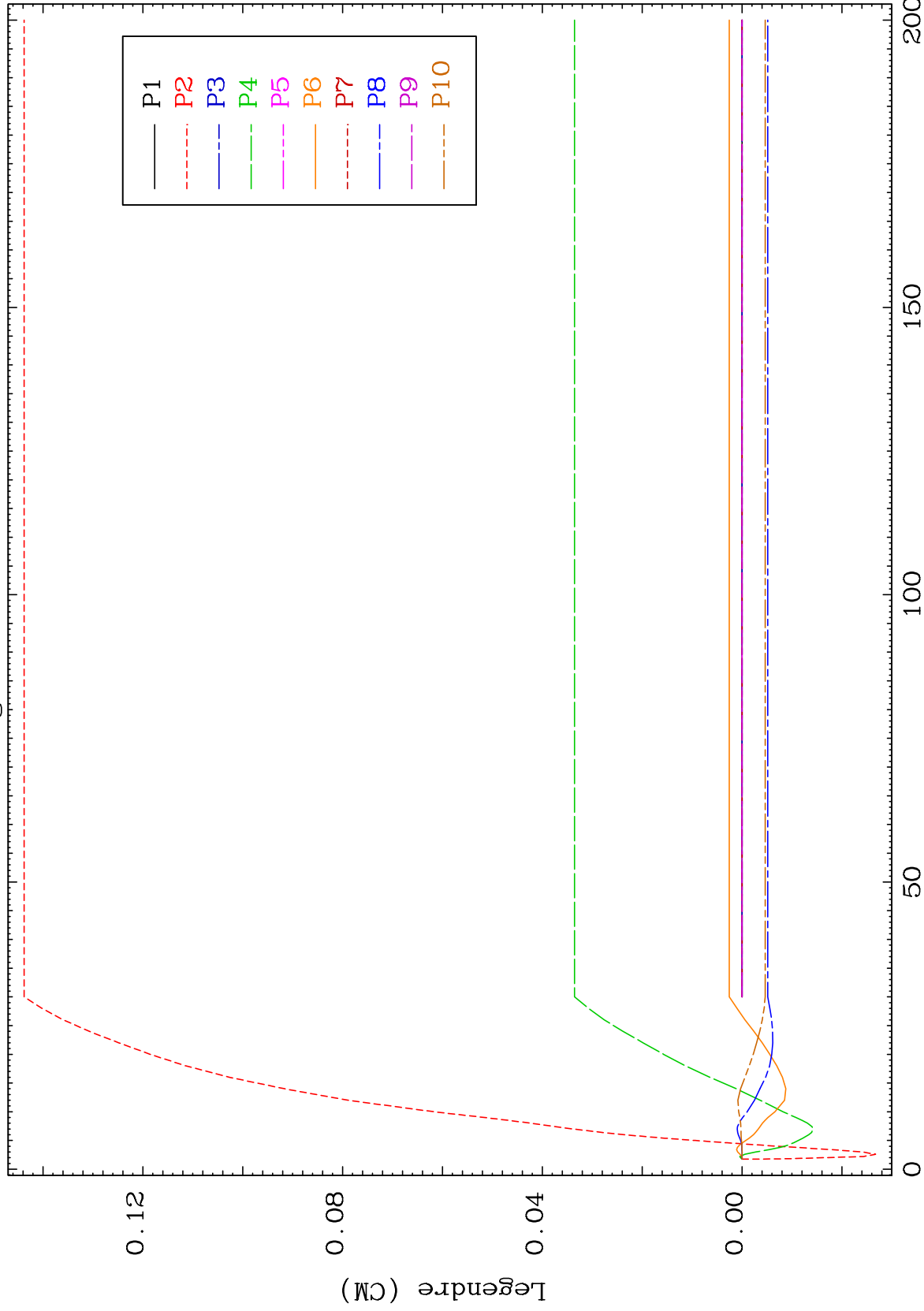


82-Pb-200

MAT 8213

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

82-Pb-200



31

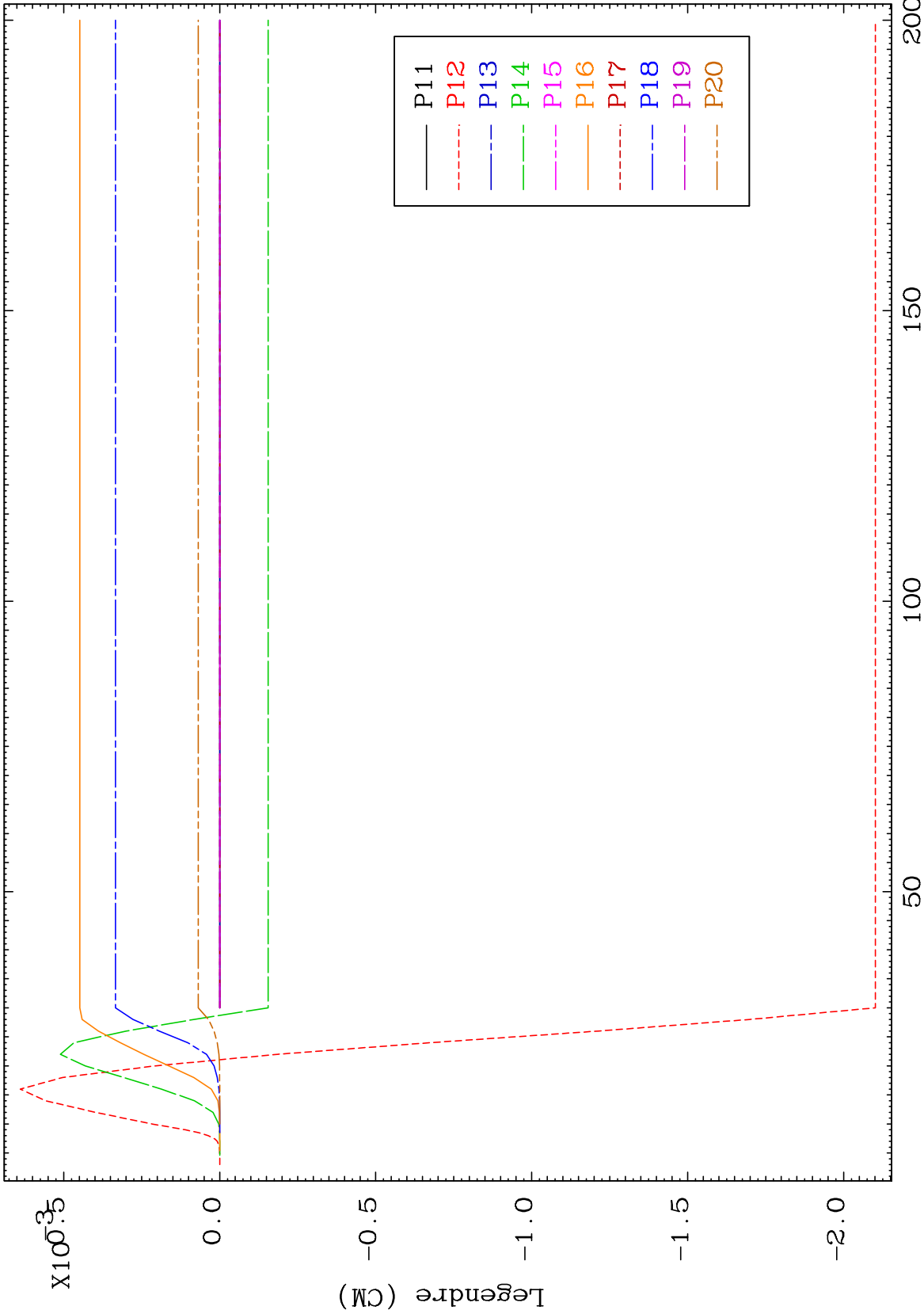
Incident Energy (MeV)

82-Pb-200

MAT 8213

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

82-Pb-200



32

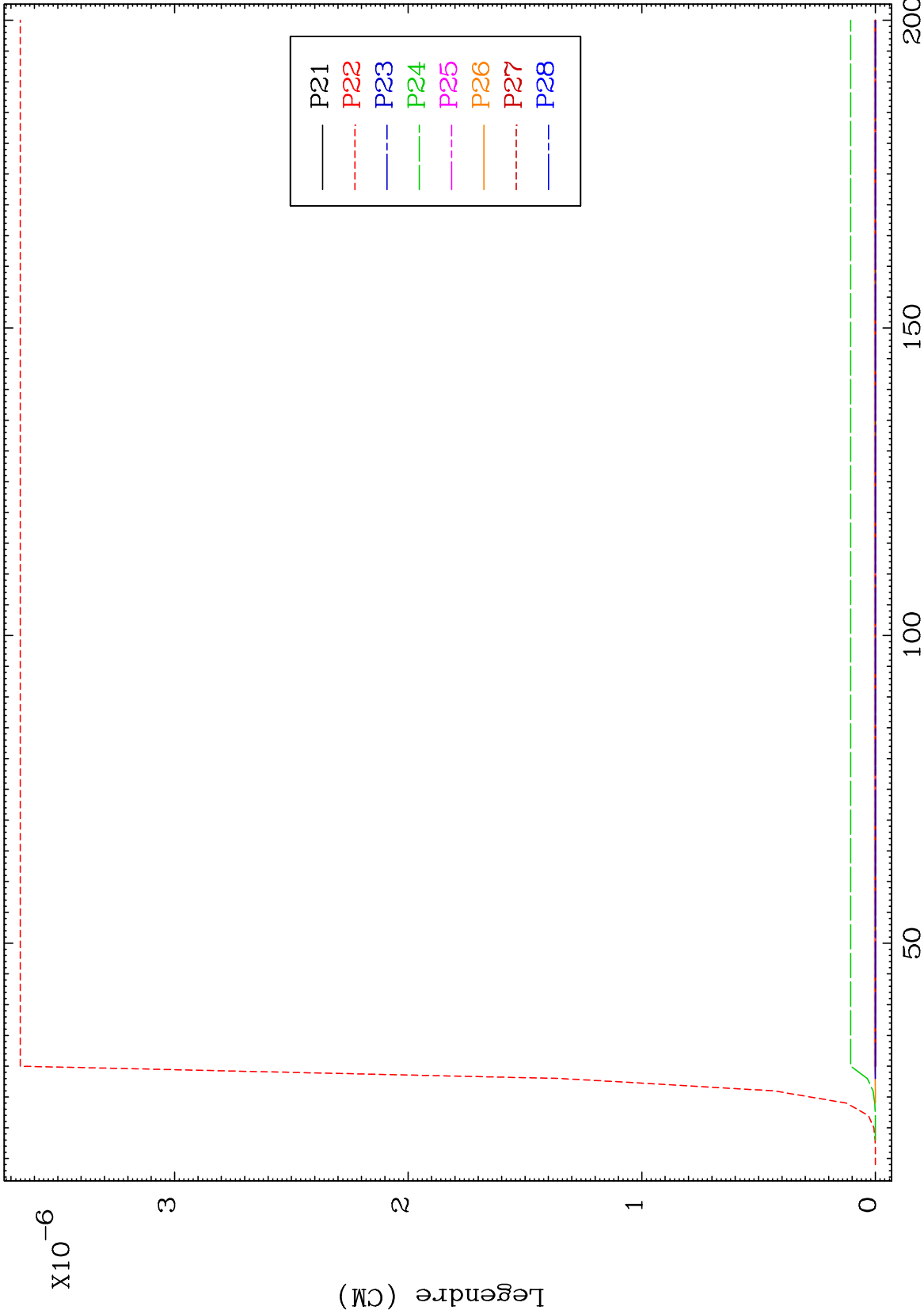
Incident Energy (MeV)

82-Pb-200

MAT 8213

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

82-Pb-200



33

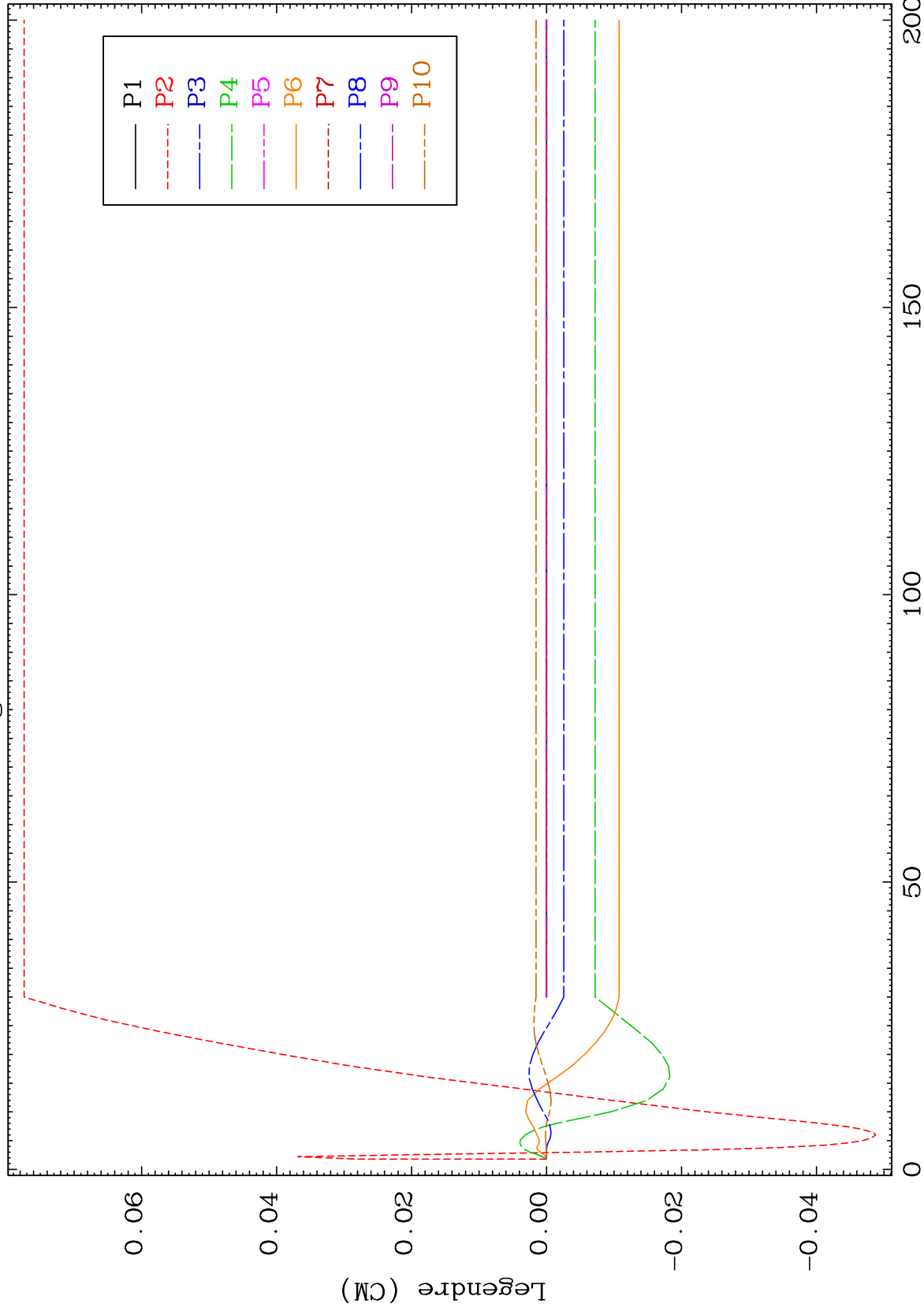
Incident Energy (MeV)

82-Pb-200

MAT 8213

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

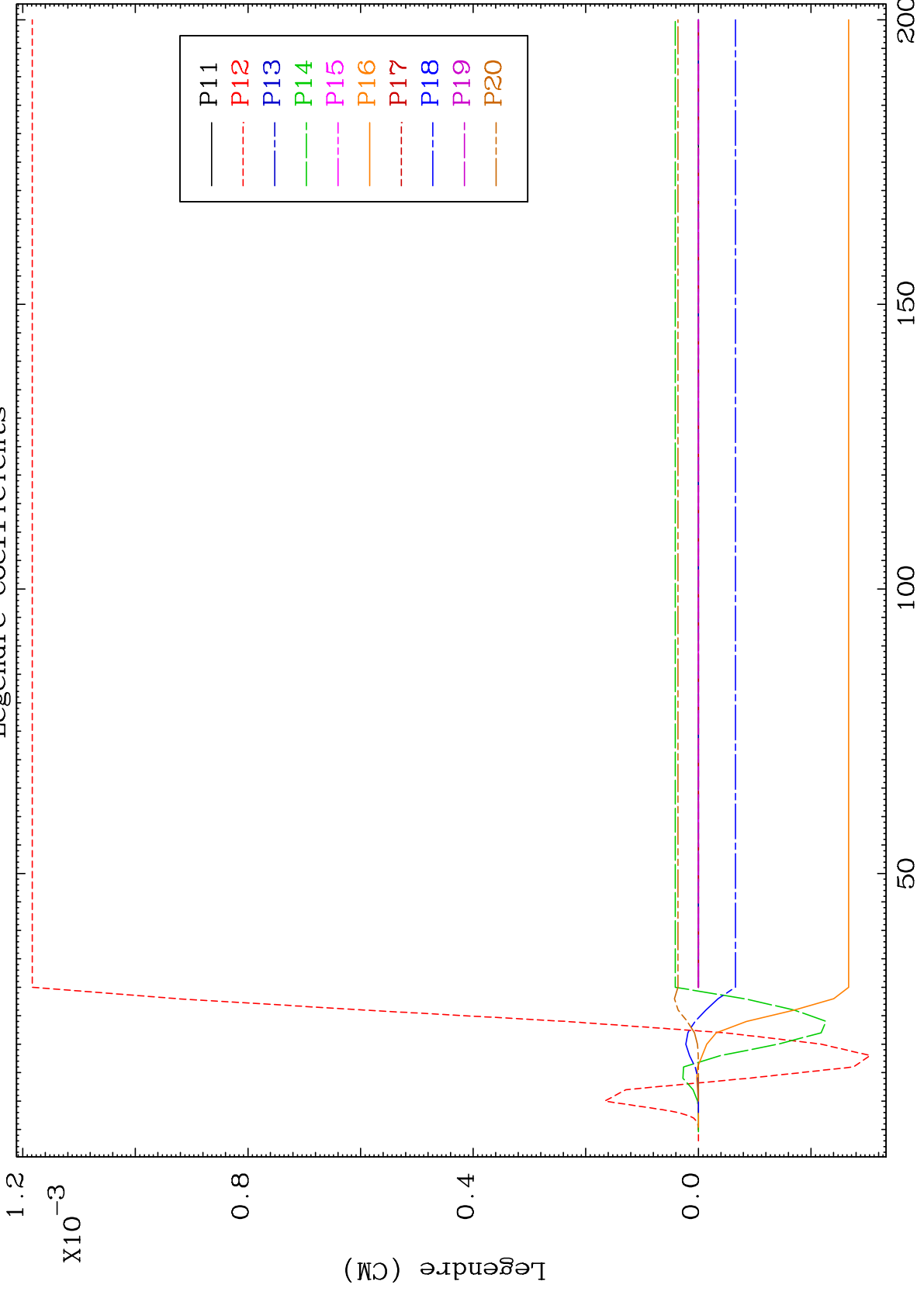
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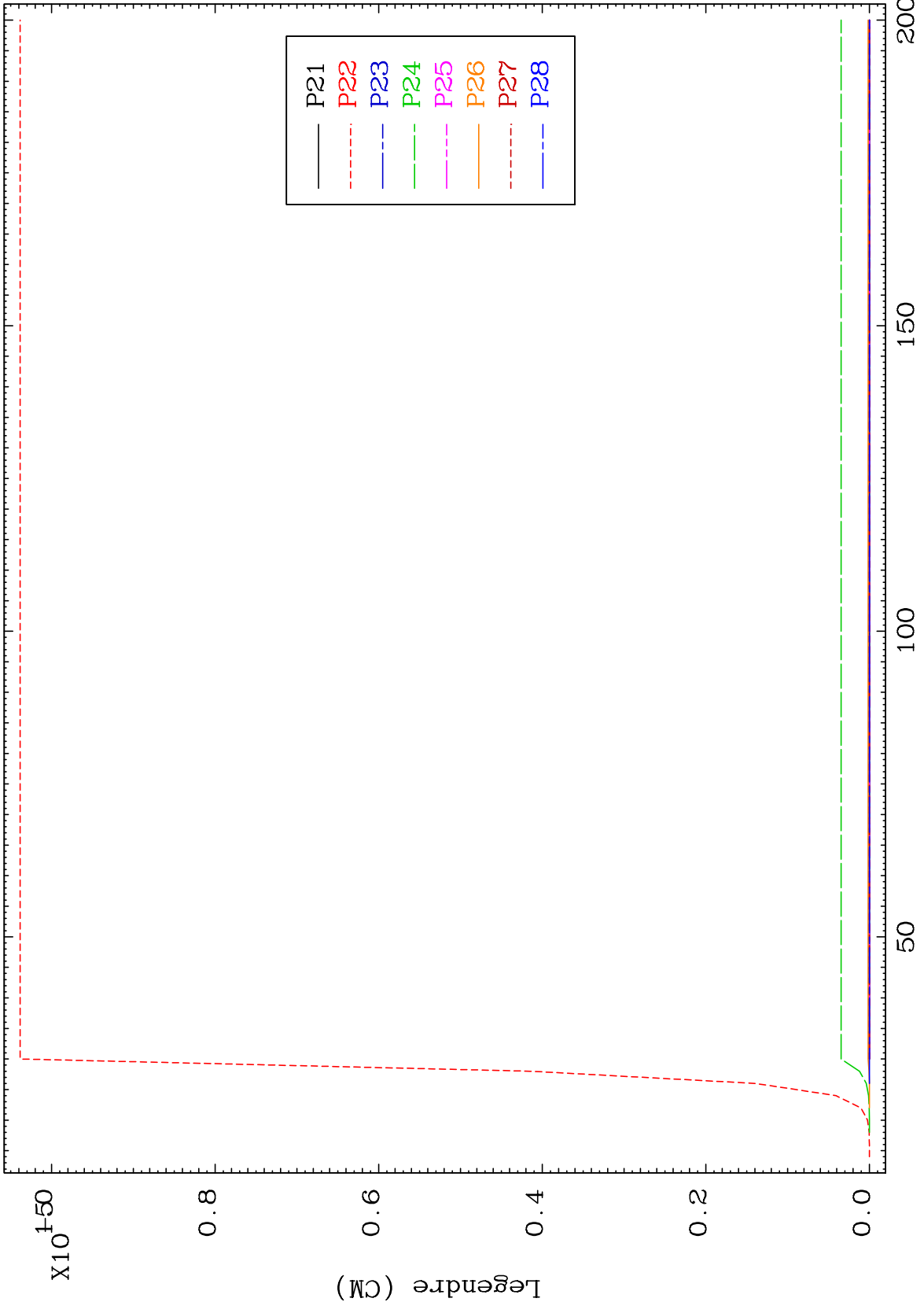
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MAT 8213 MT= 55 (n,n') Level Legendre Coefficients 82-Pb-200



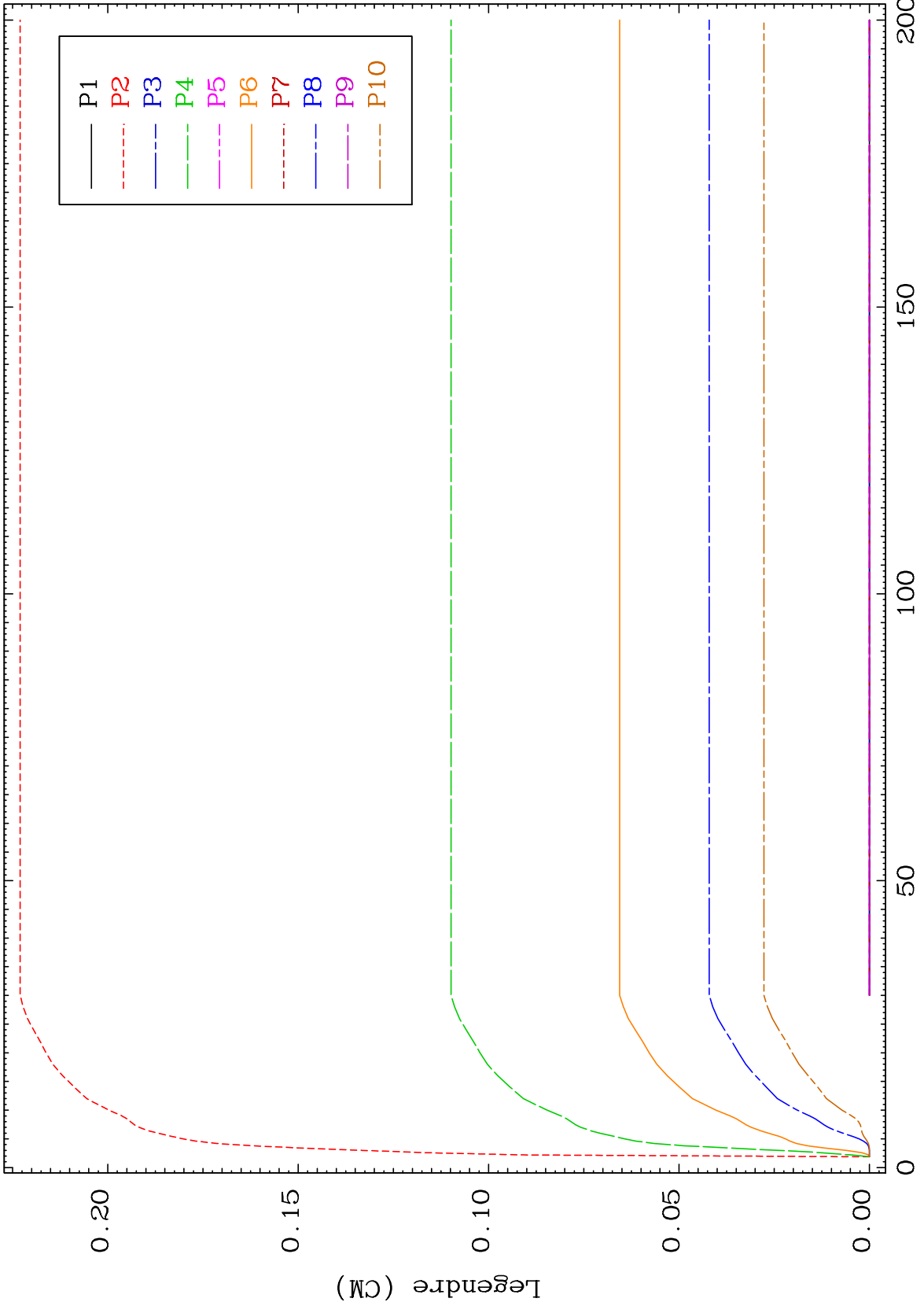
35 Incident Energy (MeV) 82-Pb-200

MAT 8213 MT= 55 (n,n') Level Legendre Coefficients 82-Pb-200



36 82-Pb-200

MAT 8213 MT= 56 (n,n') Level Legendre Coefficients 82-Pb-200

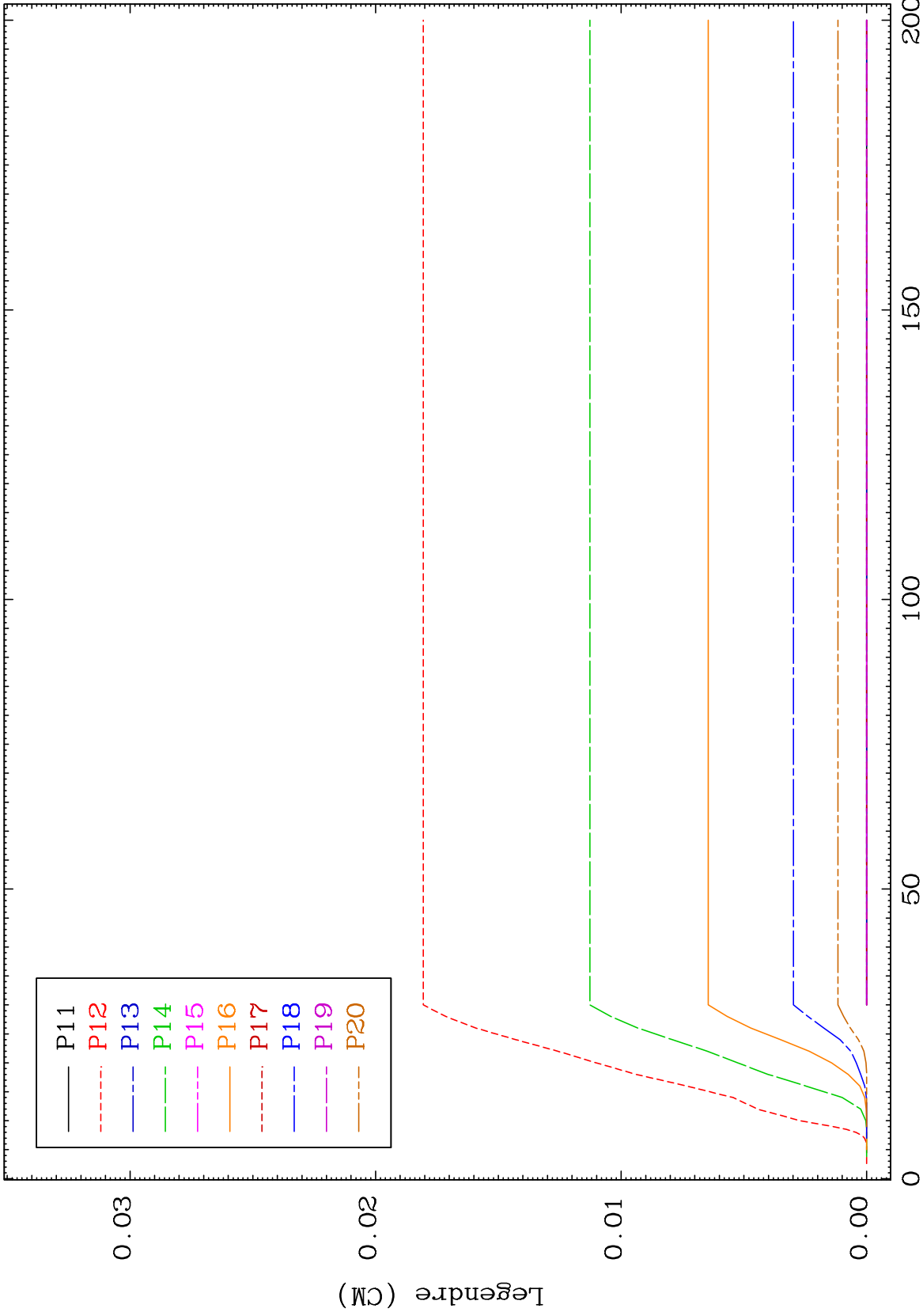


37 82-Pb-200

MAT 8213

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

82-Pb-200

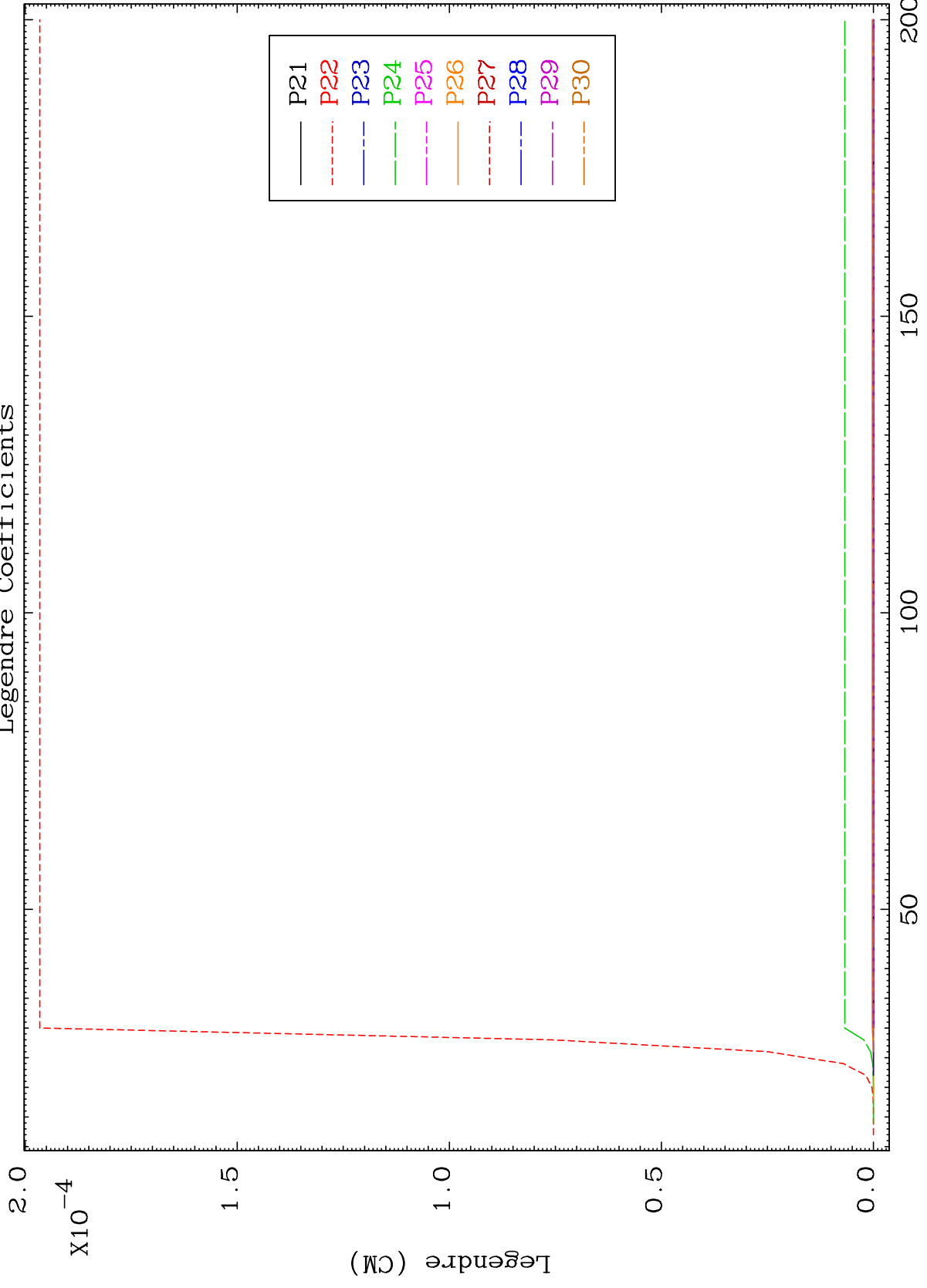


38

Incident Energy (MeV)

82-Pb-200

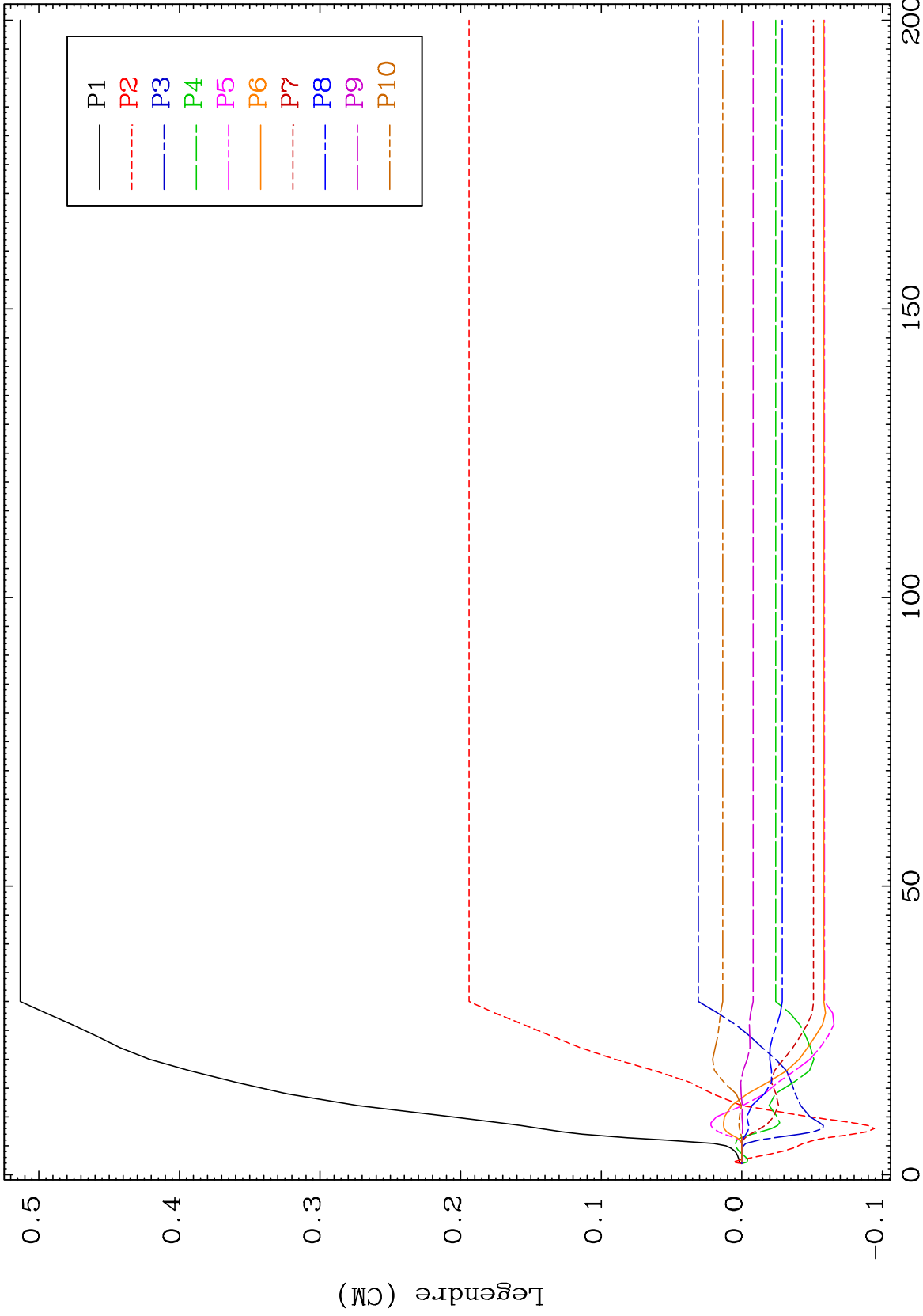
MAT 8213 MT= 56 (n,n') Level Legendre Coefficients 82-Pb-200



MAT 8213

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

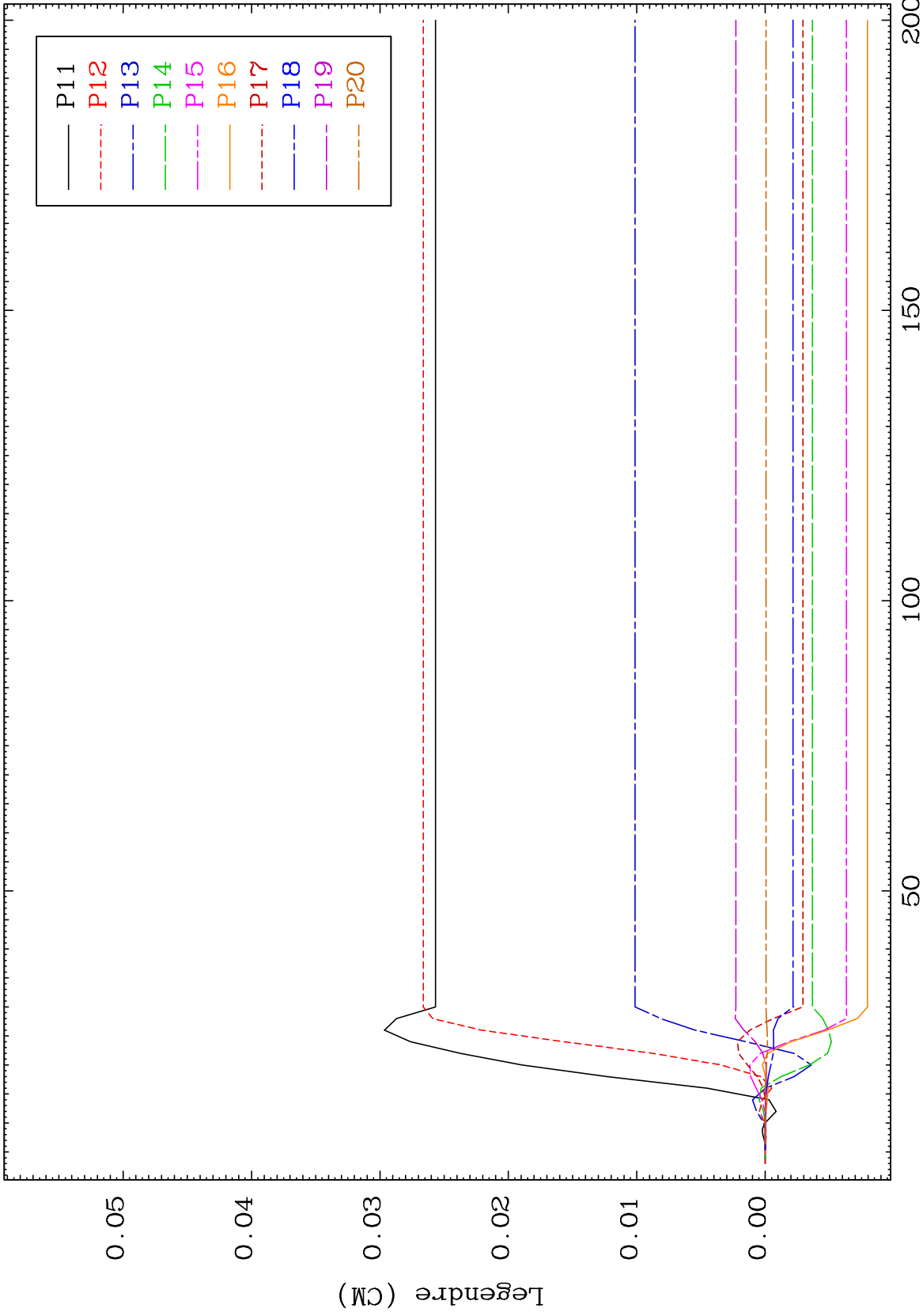
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MAT 8213

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

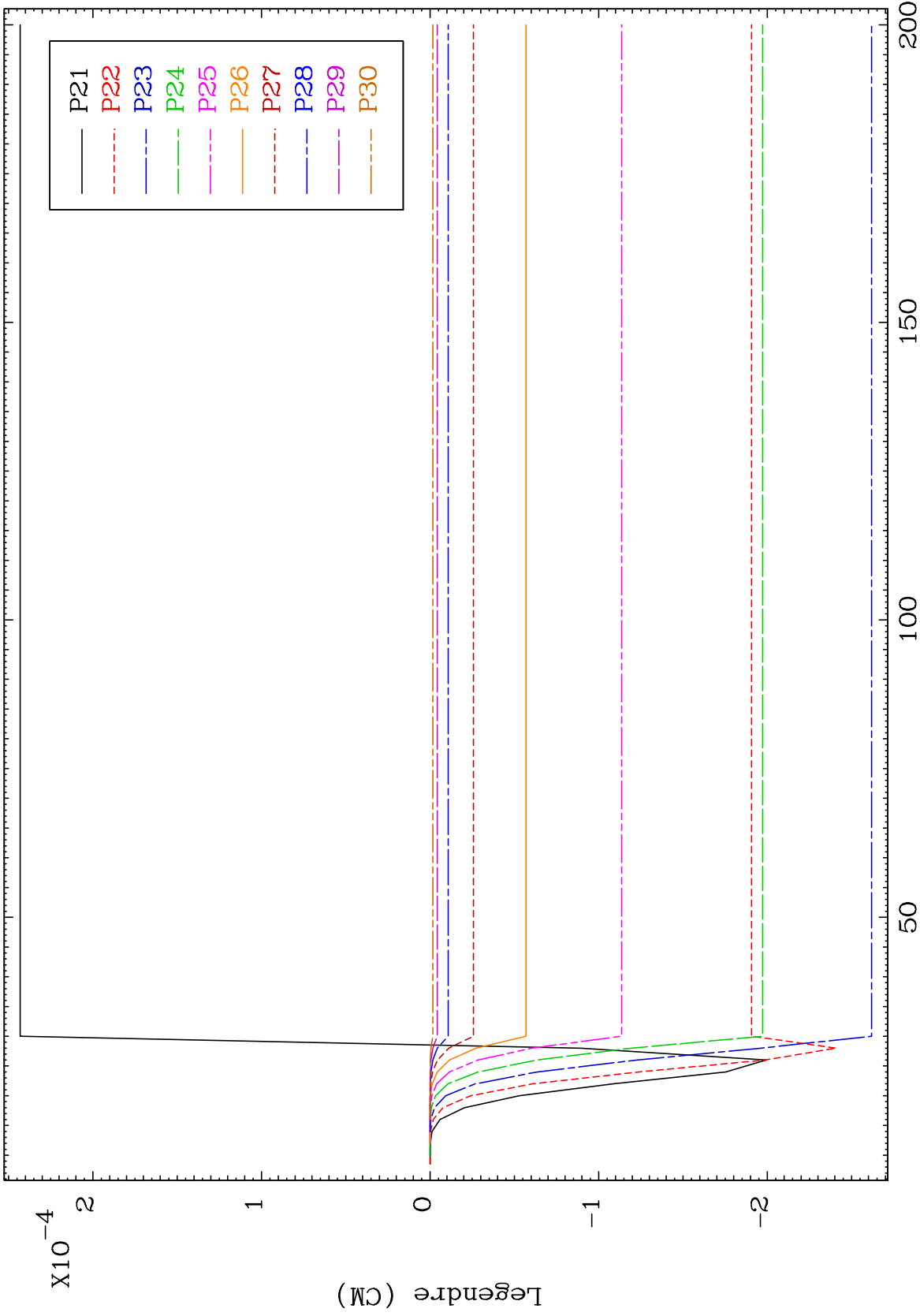
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MAT 8213

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

82-Pb-200

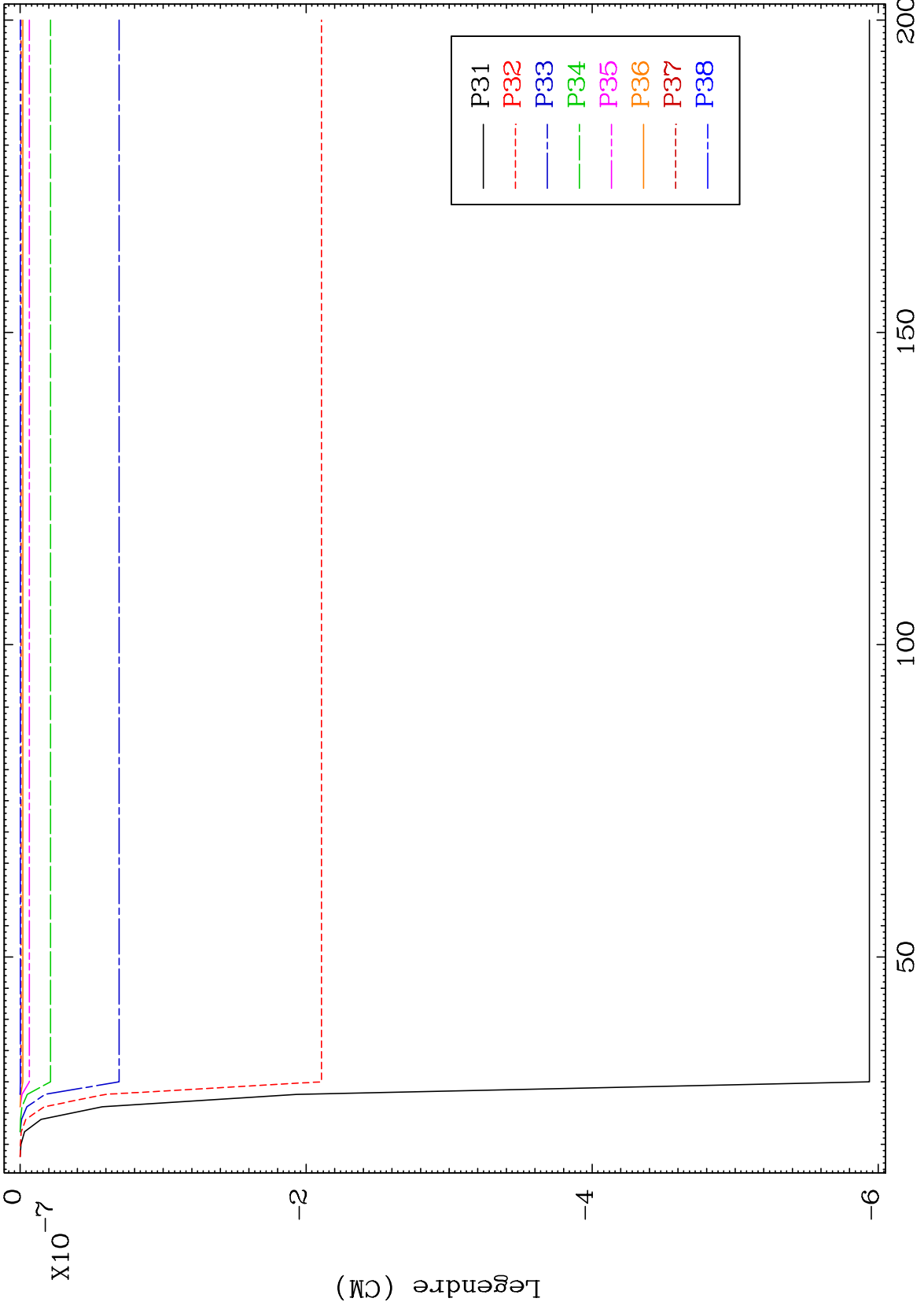


42

Incident Energy (MeV)

82-Pb-200

MAT 8213 MT= 57 (n,n') Level Legendre Coefficients 82-Pb-200

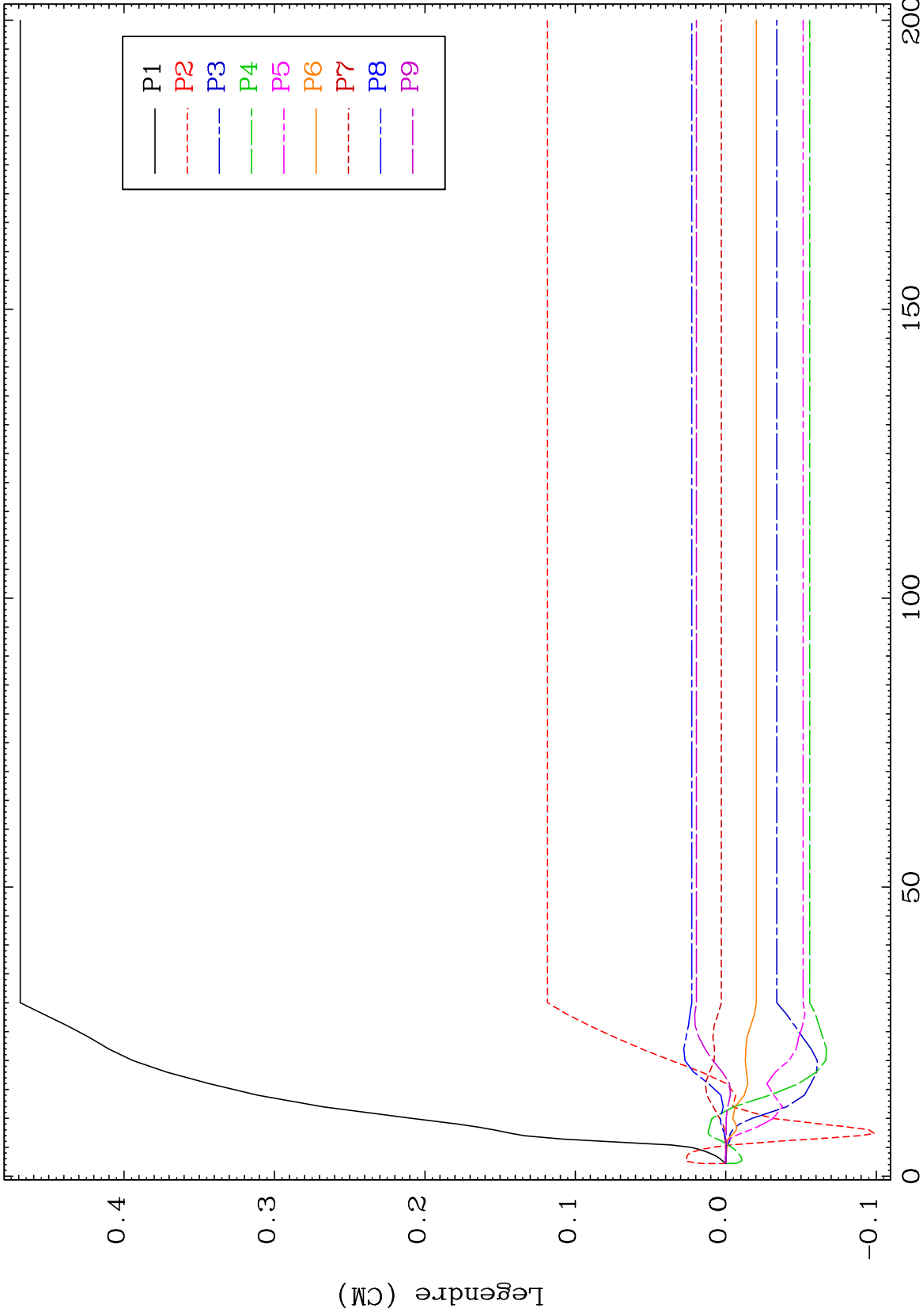


43 Incident Energy (MeV) 82-Pb-200

MAT 8213

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

82-Pb-200



44

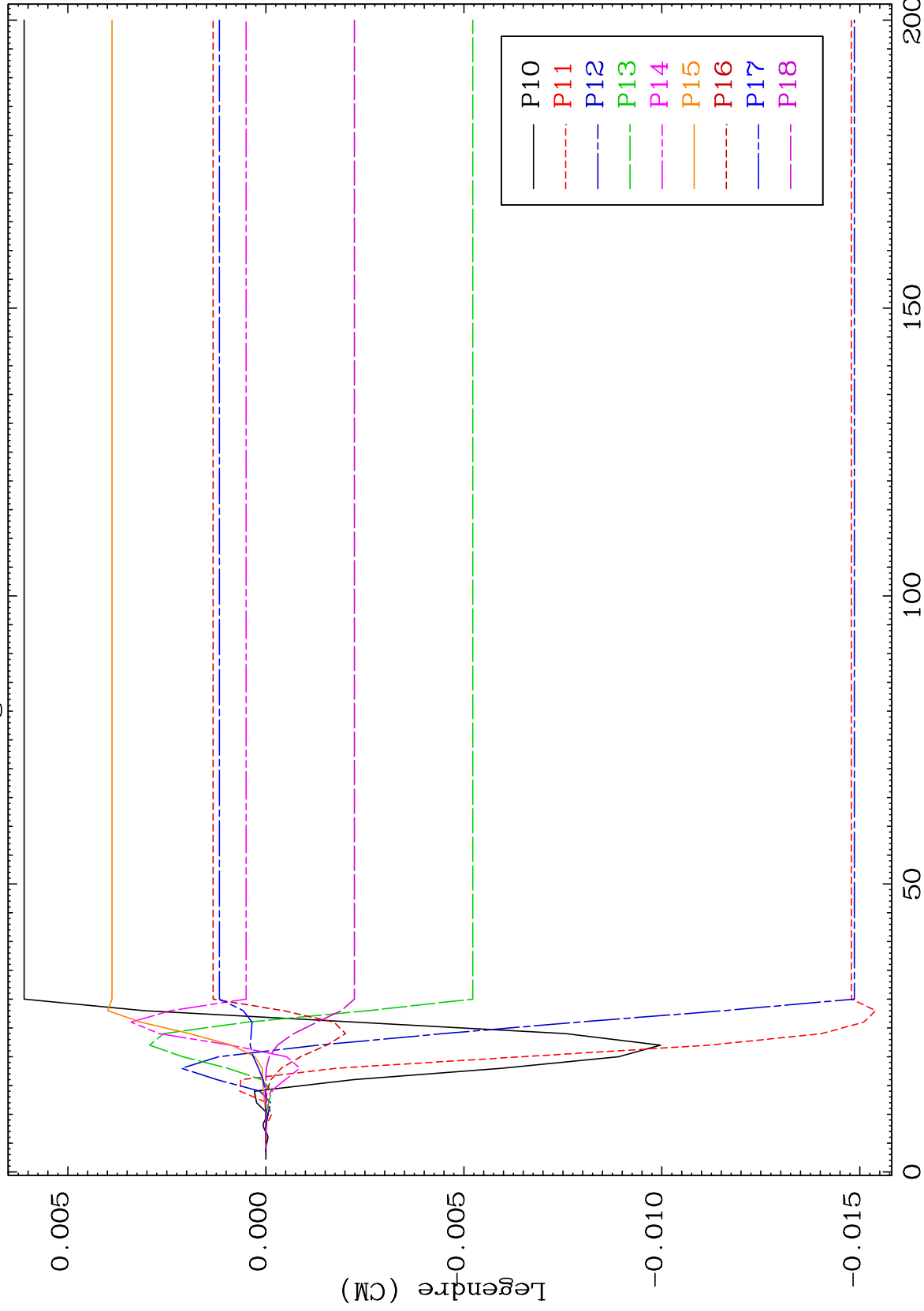
Incident Energy (MeV)

82-Pb-200

MAT 8213

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

82-Pb-200



45

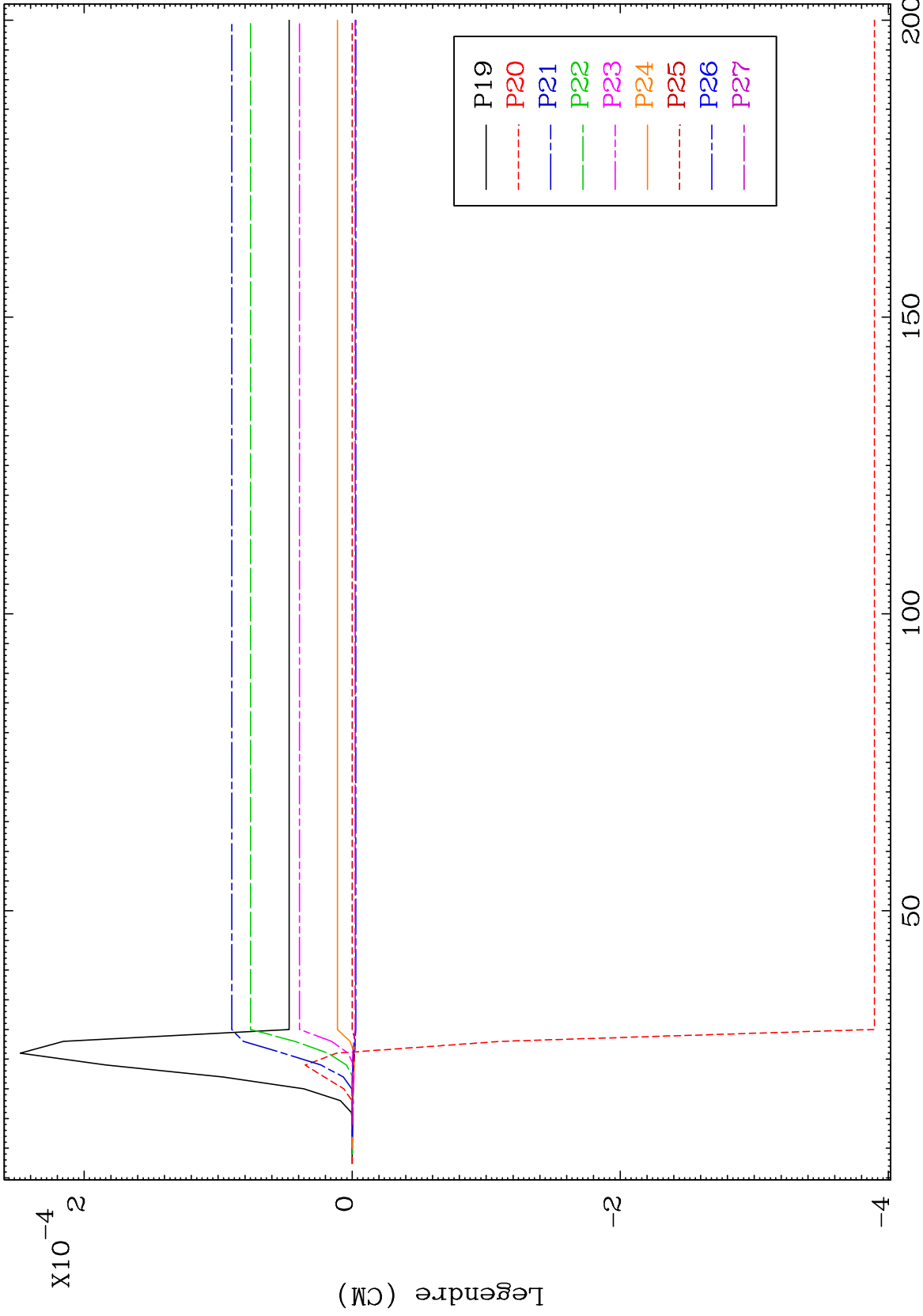
Incident Energy (MeV)

82-Pb-200

MAT 8213

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

82-Pb-200



46

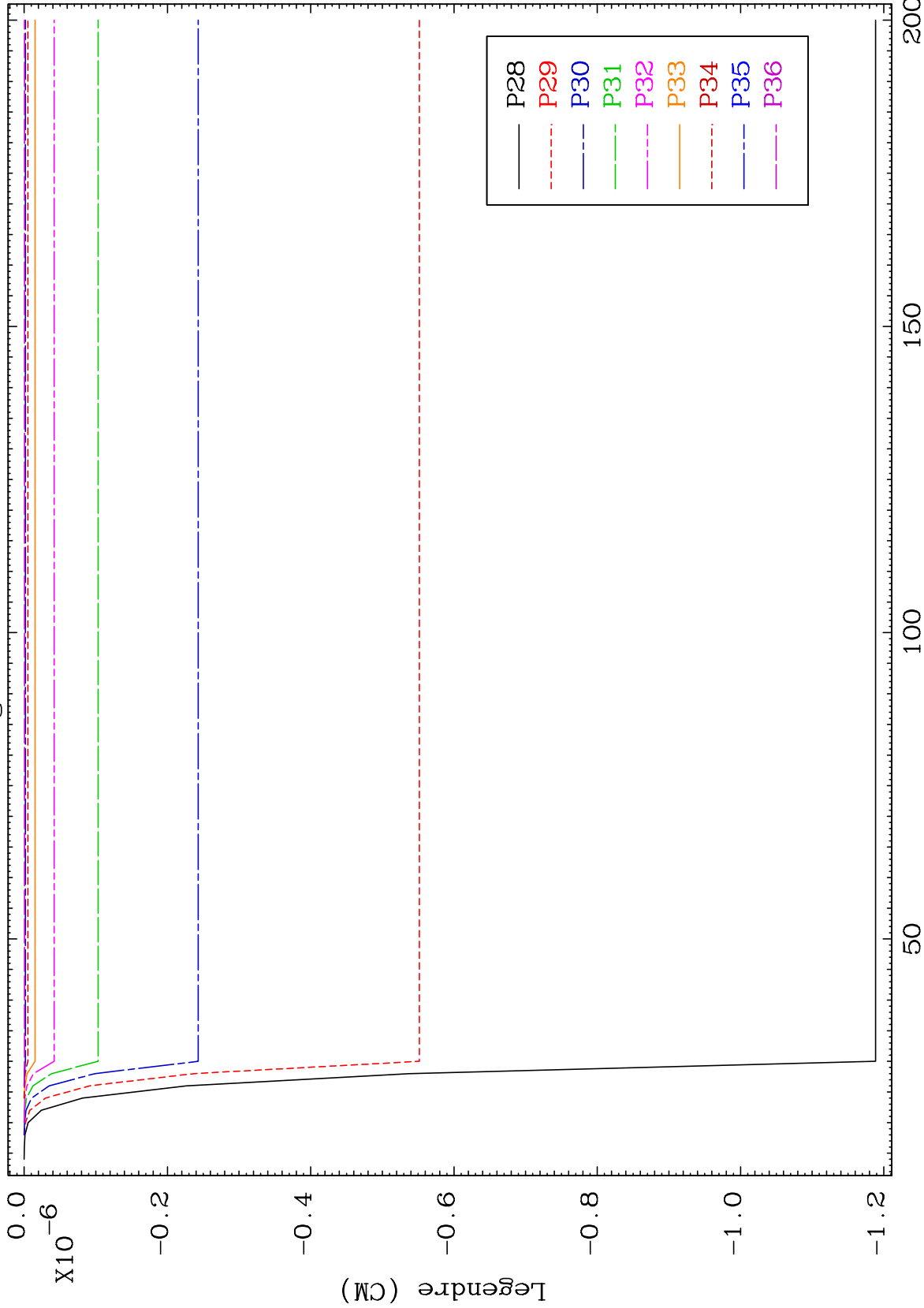
Incident Energy (MeV)

82-Pb-200

MAT 8213 MT= 58 (n,n') Level

82-Pb-200

Legendre Coefficients



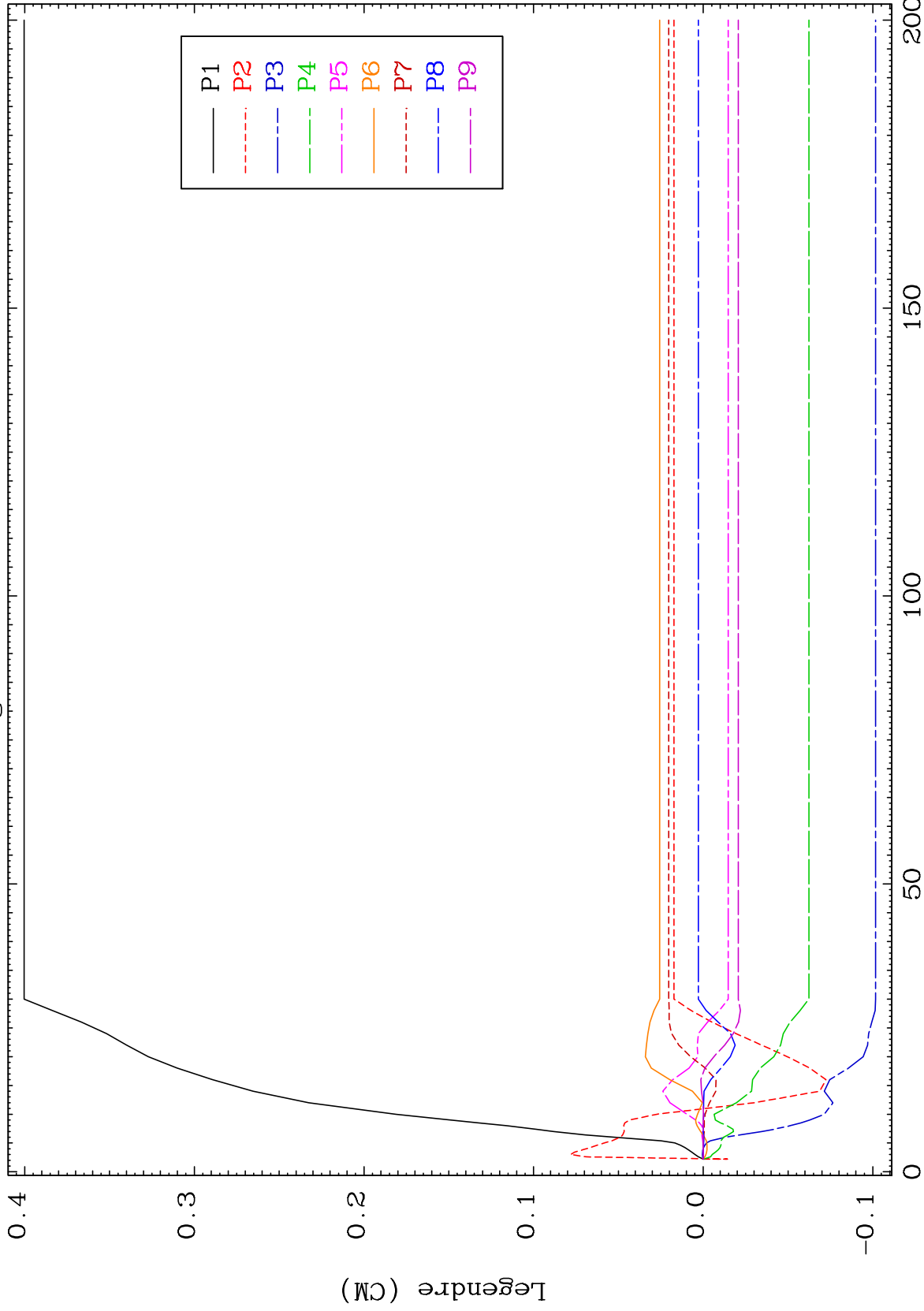
82-Pb-200

Incident Energy (MeV)

MAT 8213

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

82-Pb-200



48

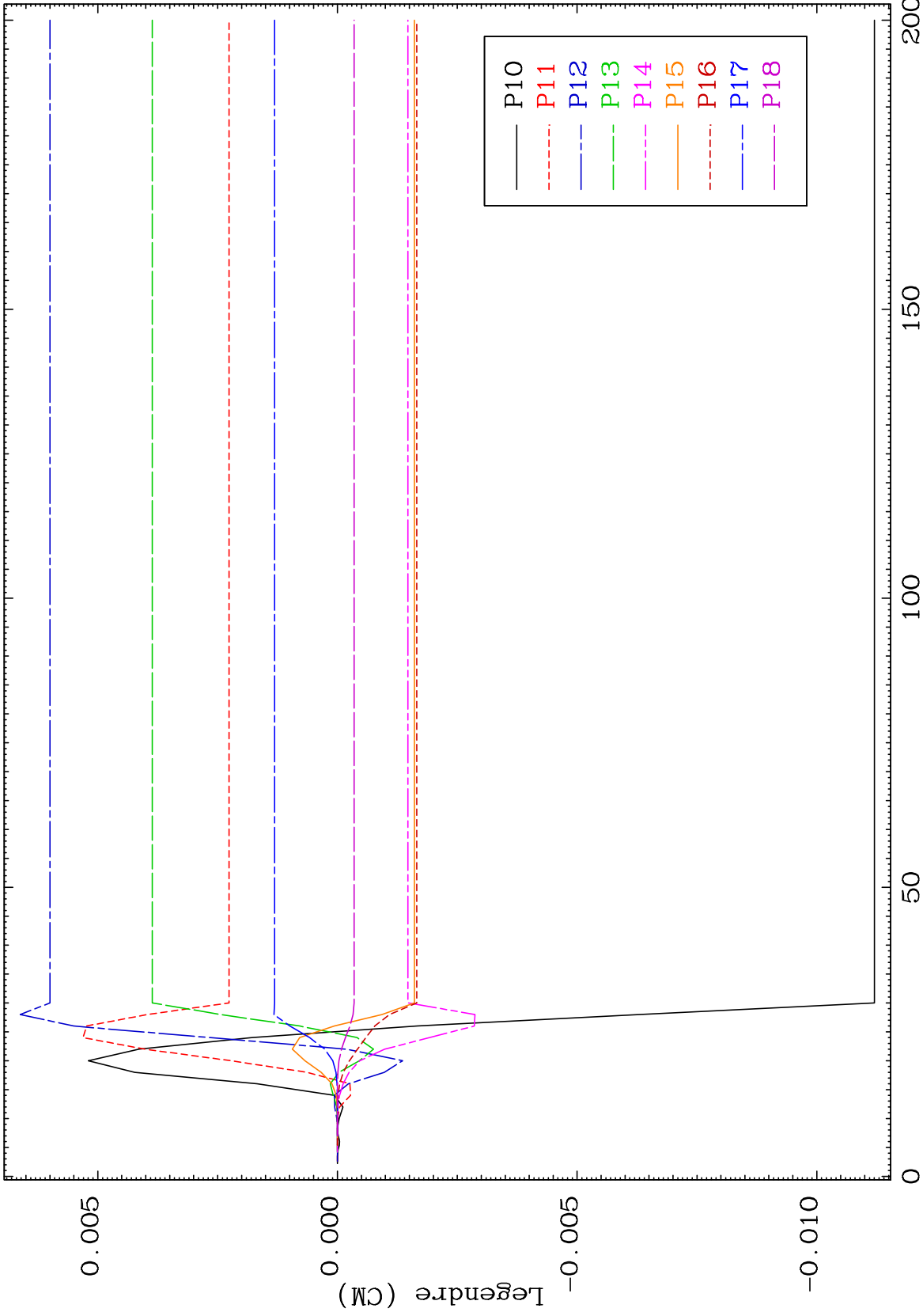
Incident Energy (MeV)

82-Pb-200

MAT 8213

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

82-Pb-200



49

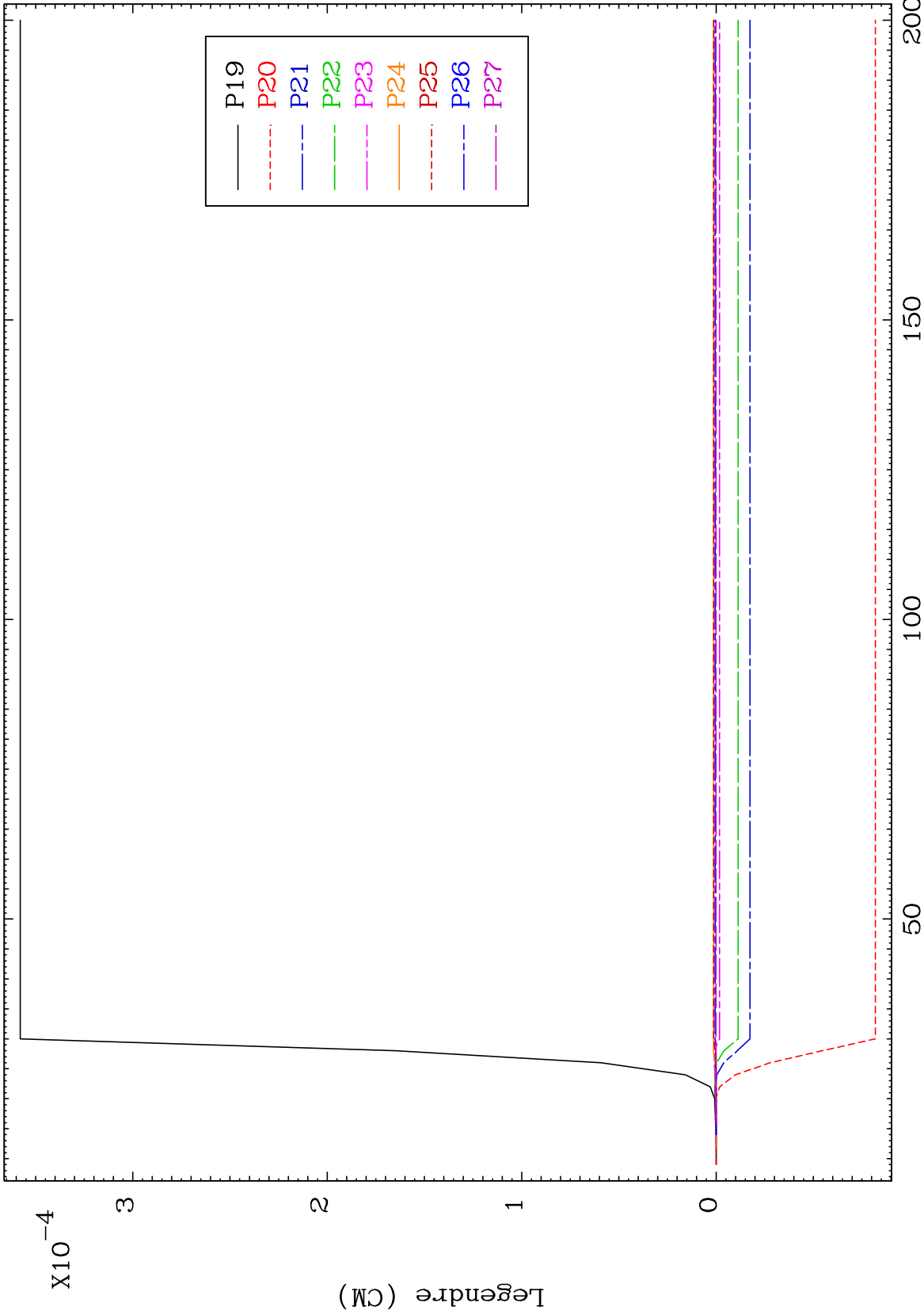
Incident Energy (MeV)

82-Pb-200

MAT 8213

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

82-Pb-200



50

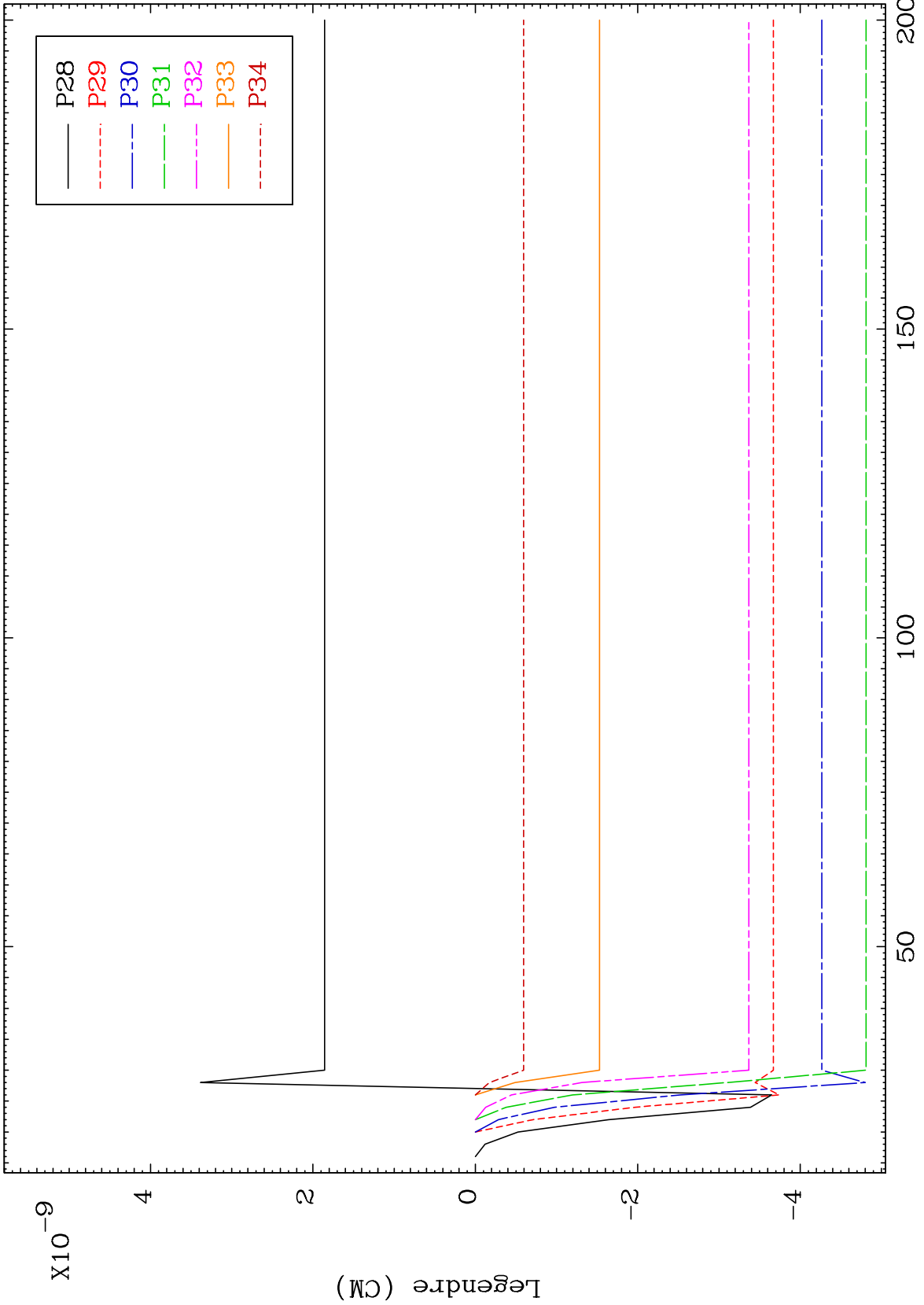
Incident Energy (MeV)

82-Pb-200

MAT 8213

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

82-Pb-200



51

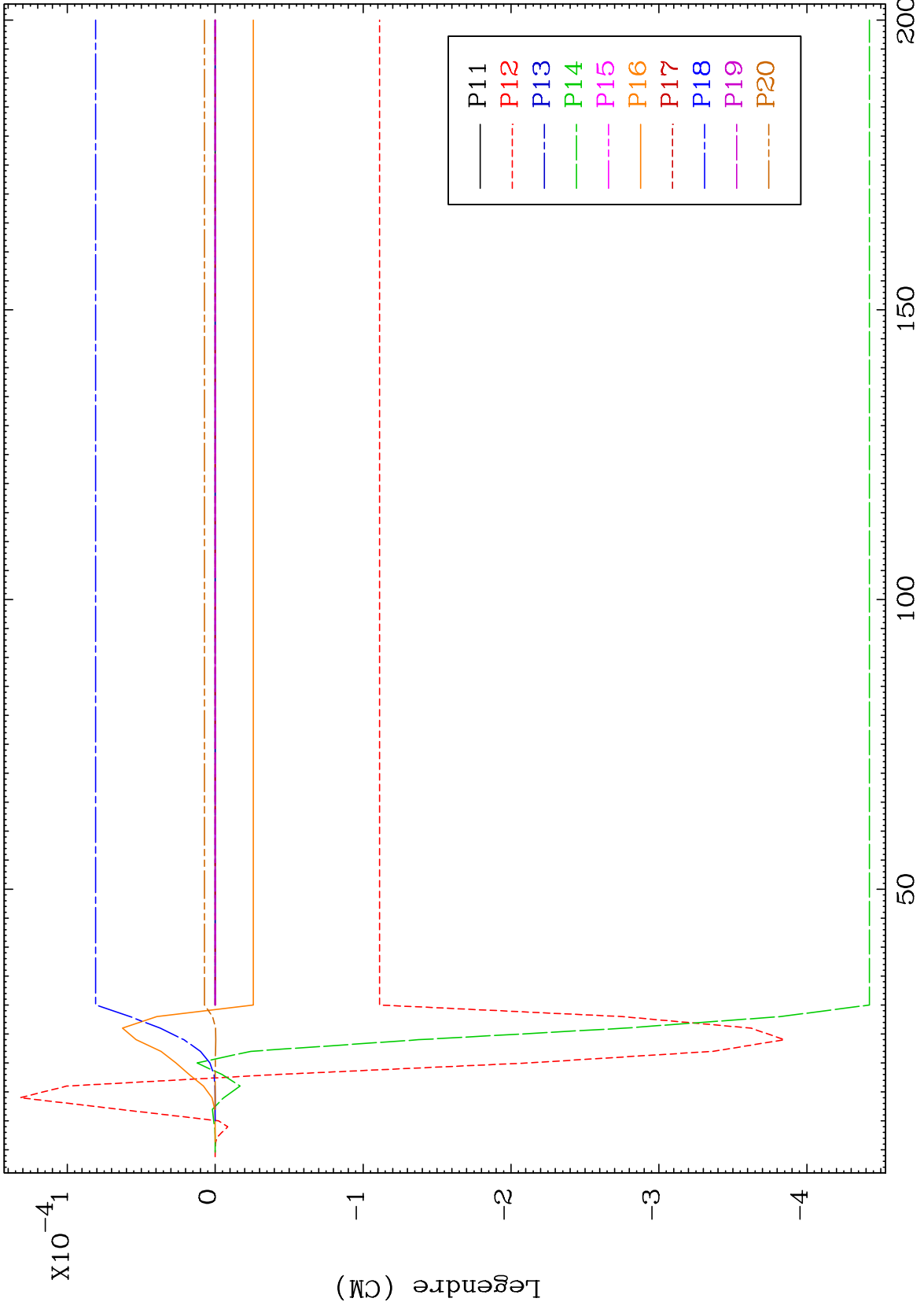
82-Pb-200



MAT 8213

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

82-Pb-200

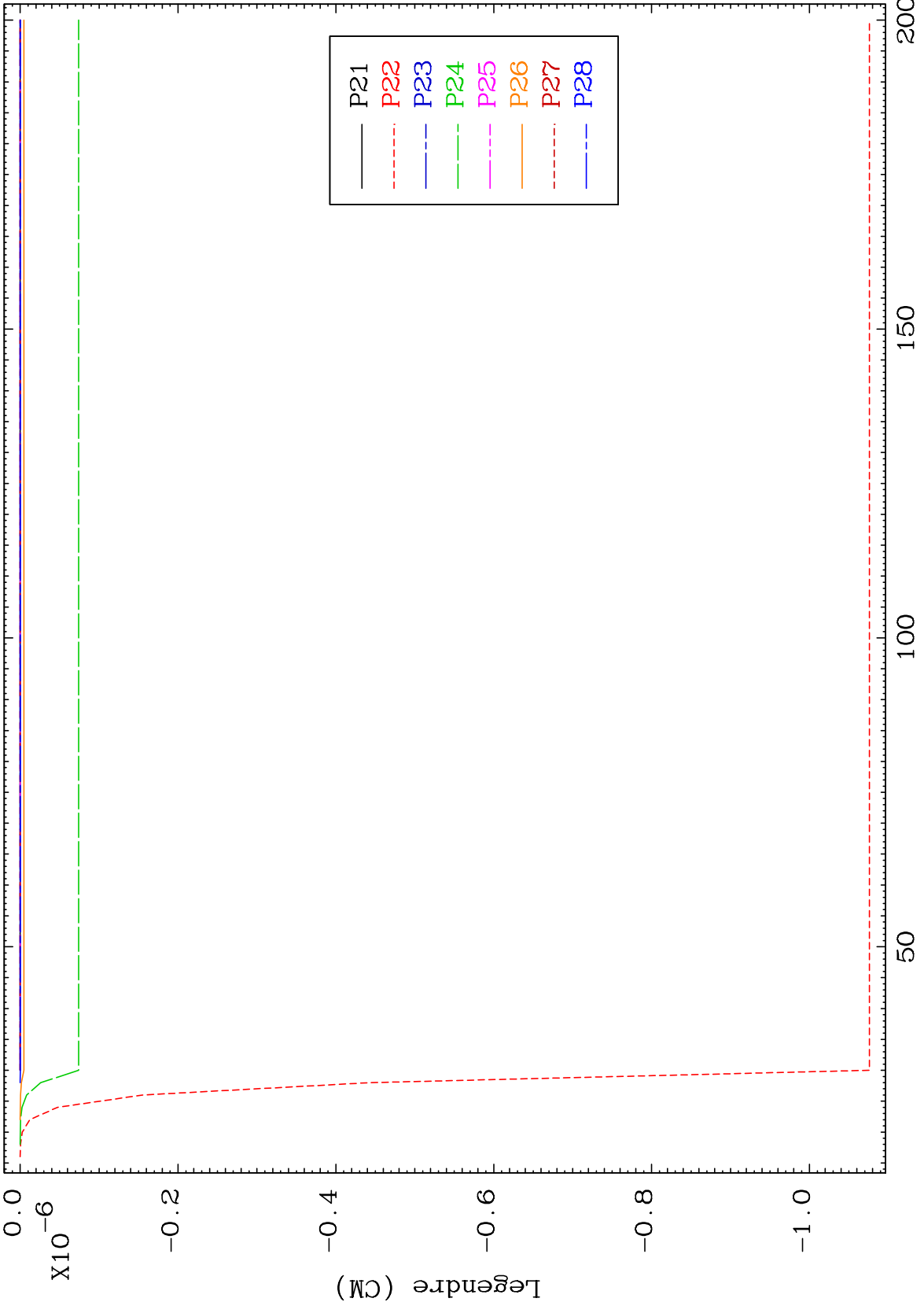


53

Incident Energy (MeV)

82-Pb-200

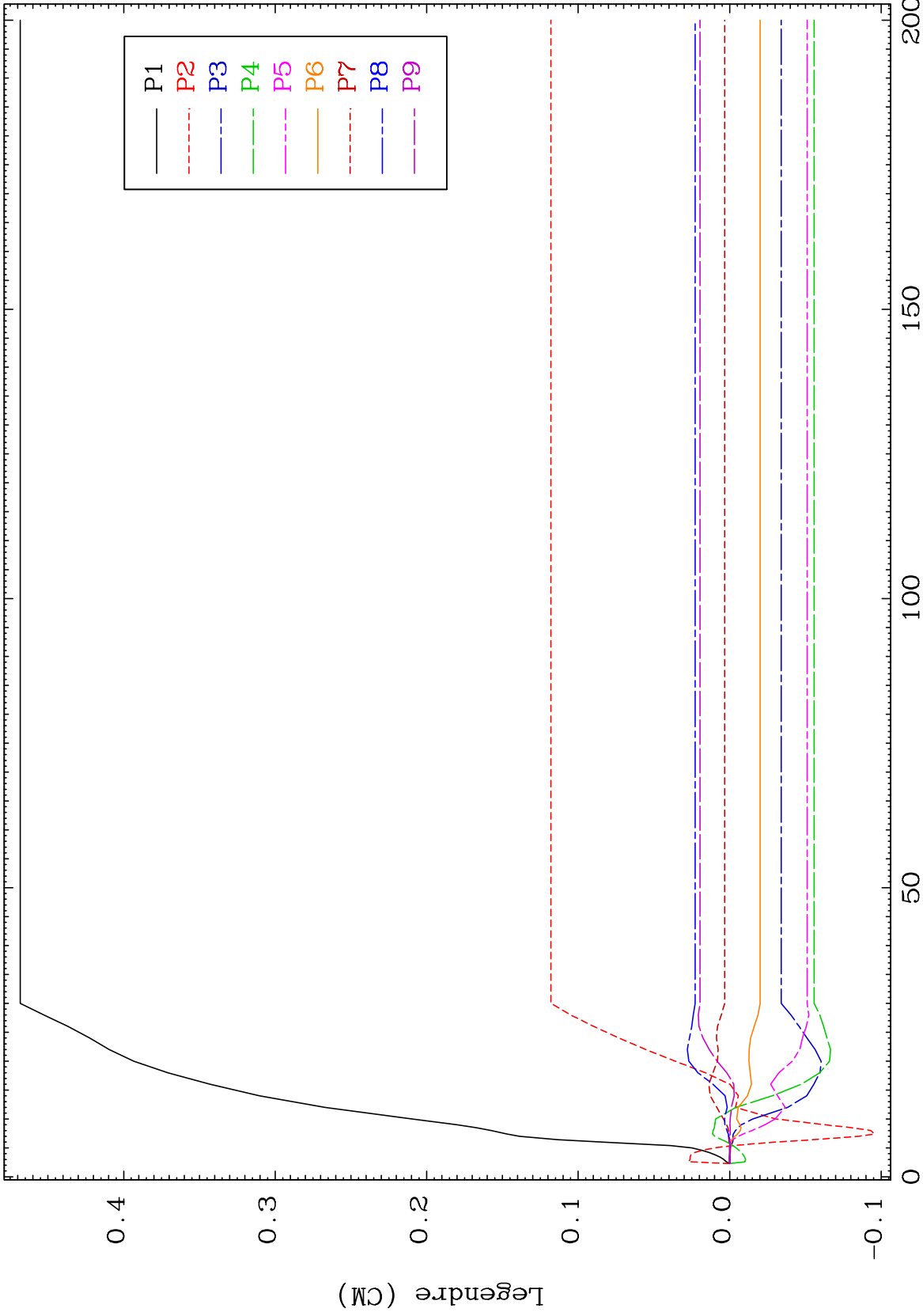
MAT 8213 MT= 60 (n, n') Level Legendre Coefficients 82-Pb-200



MAT 8213

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

82-Pb-200



55

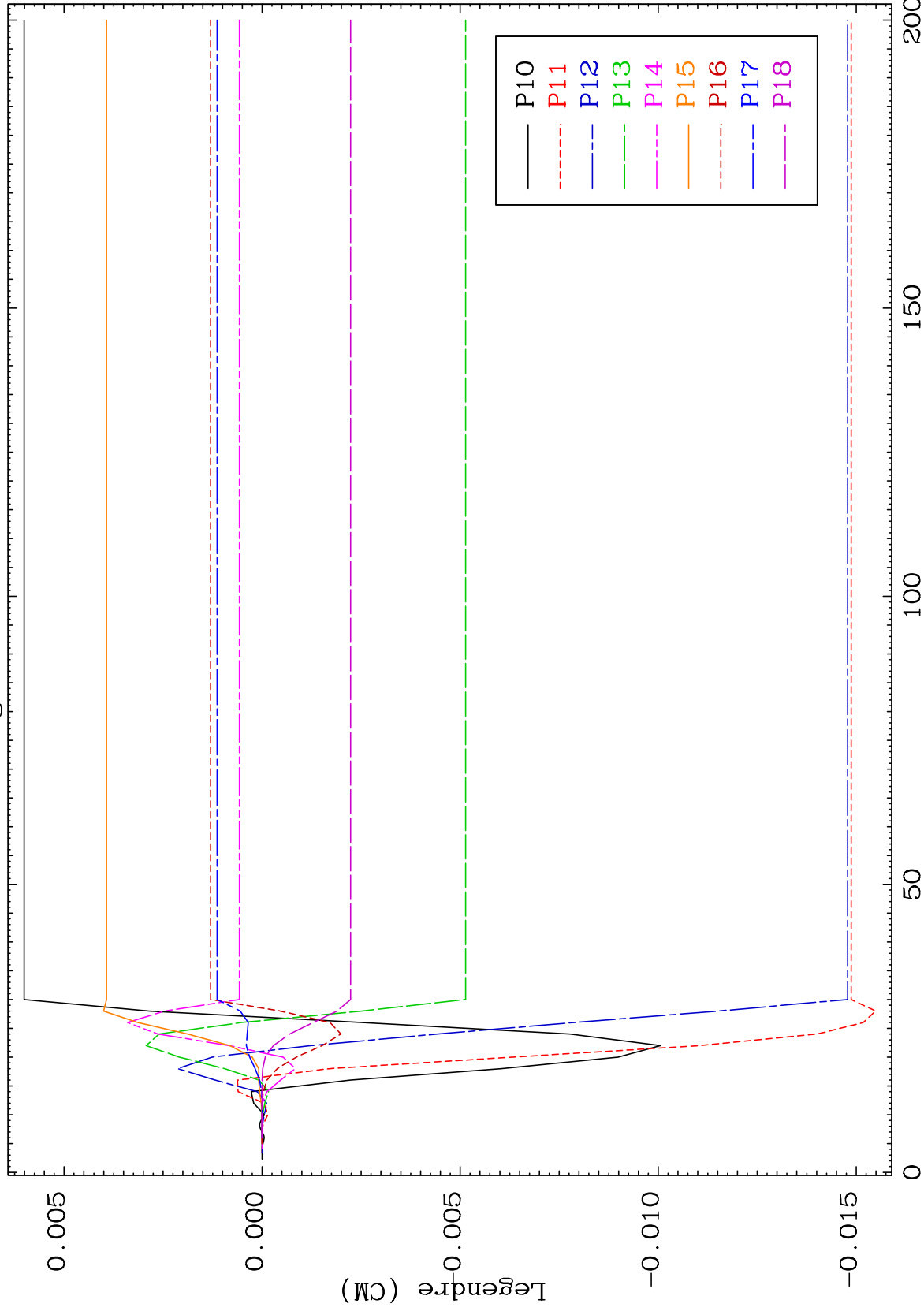
Incident Energy (MeV)

82-Pb-200

MAT 8213

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

82-Pb-200



56

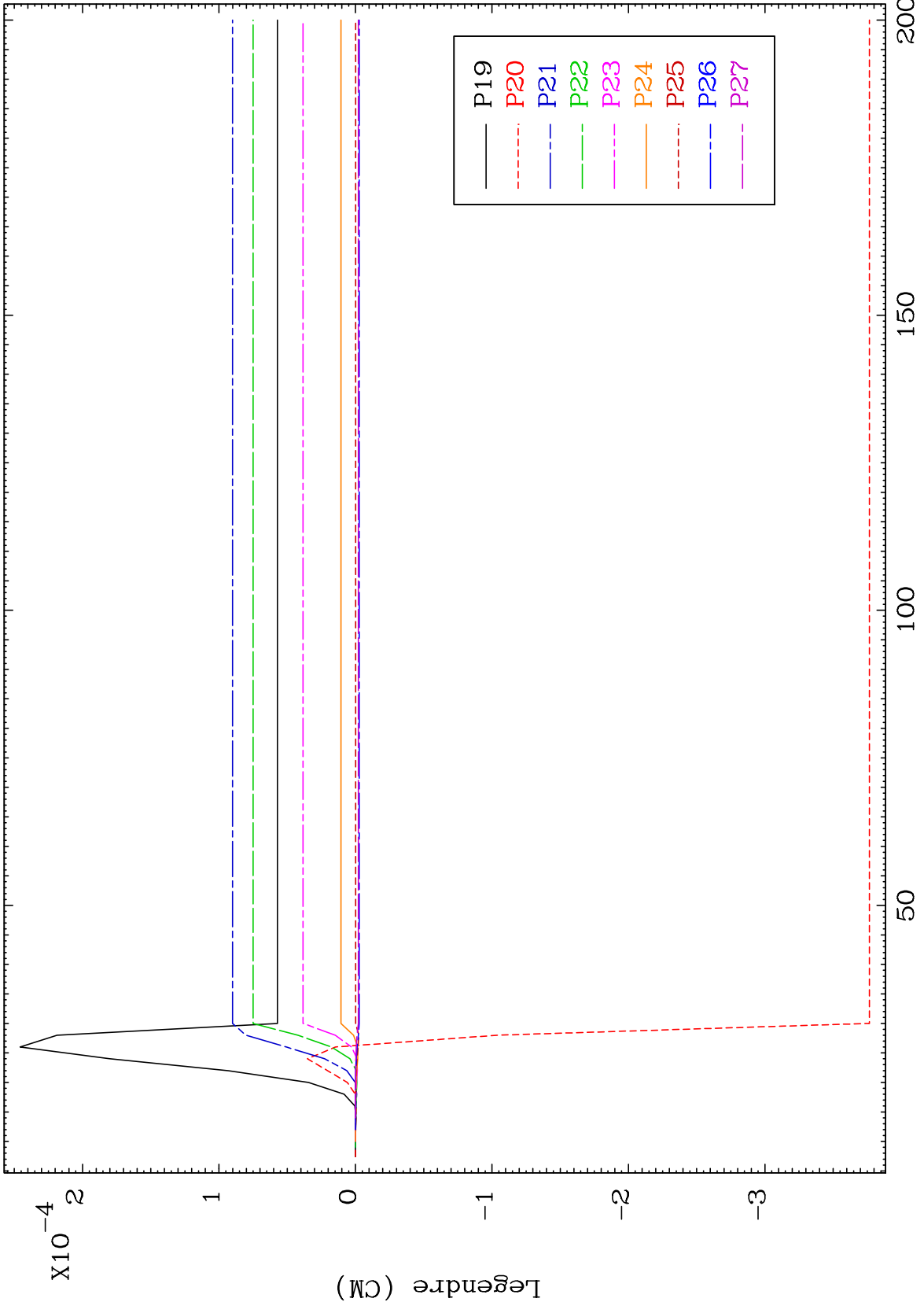
Incident Energy (MeV)

82-Pb-200

MAT 8213

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

82-Pb-200

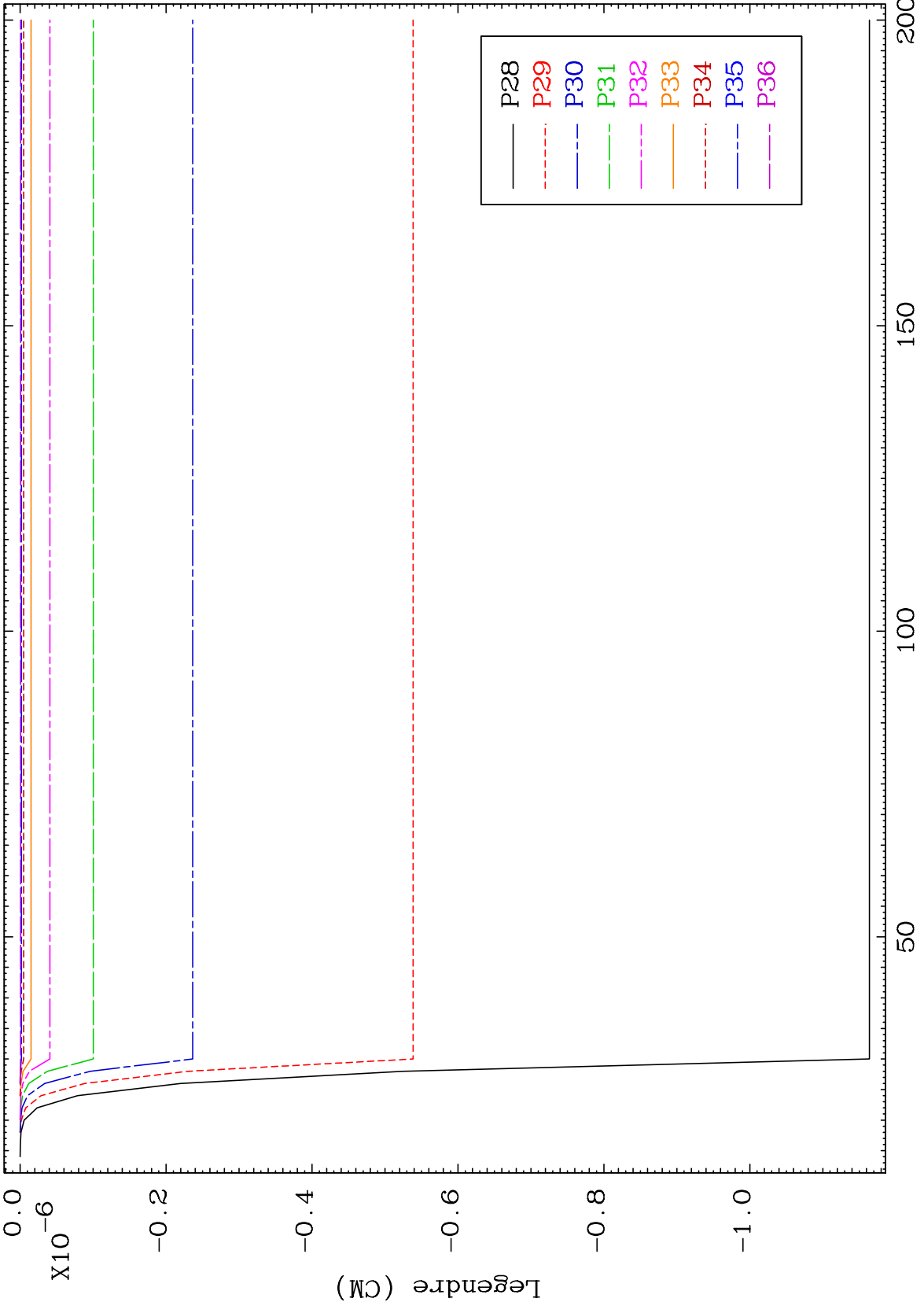


57

Incident Energy (MeV)

82-Pb-200

MAT 8213 MT= 61 (n,n') Level Legendre Coefficients 82-Pb-200

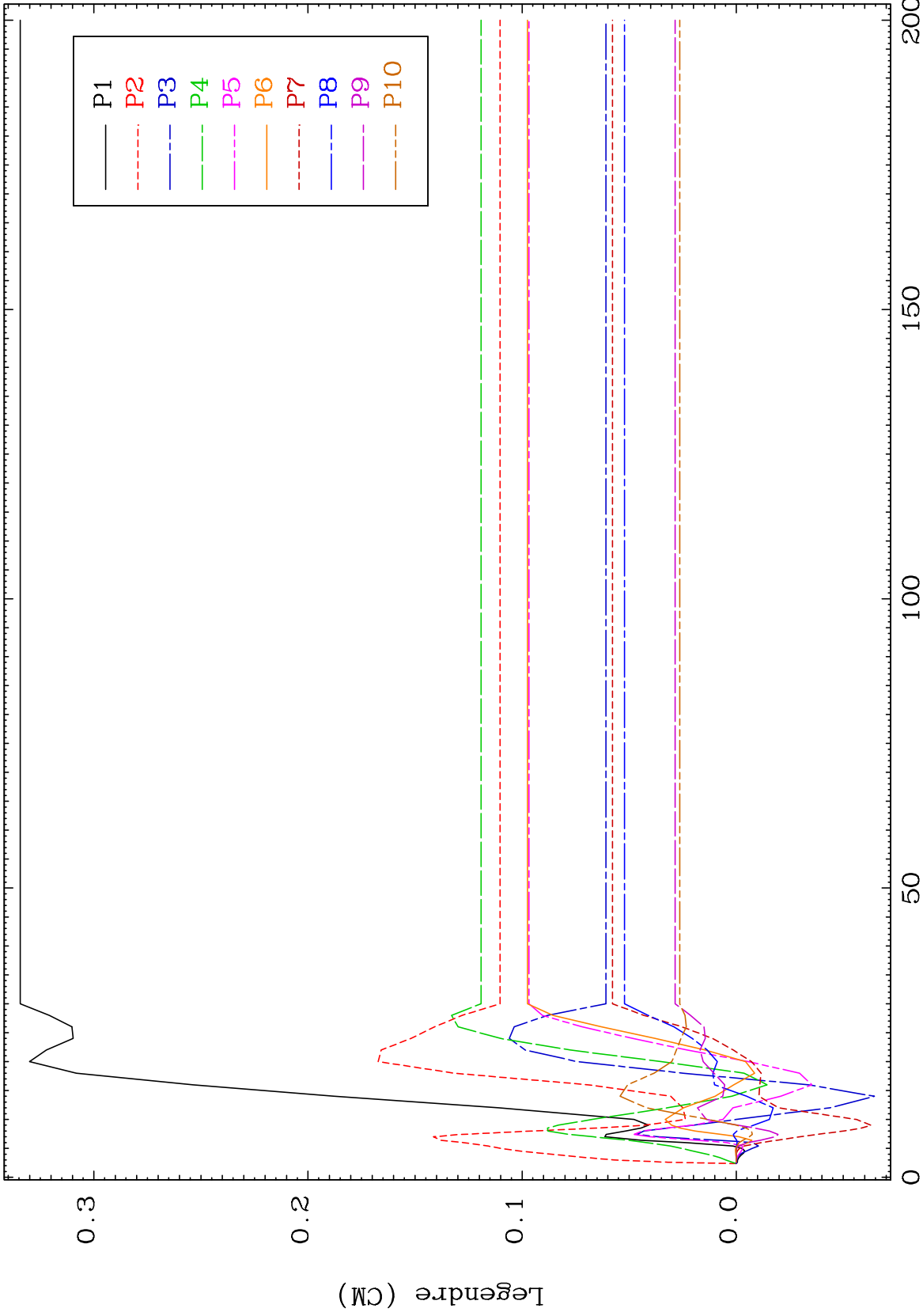


58 Incident Energy (MeV) 82-Pb-200

MAT 8213

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

82-Pb-200



59

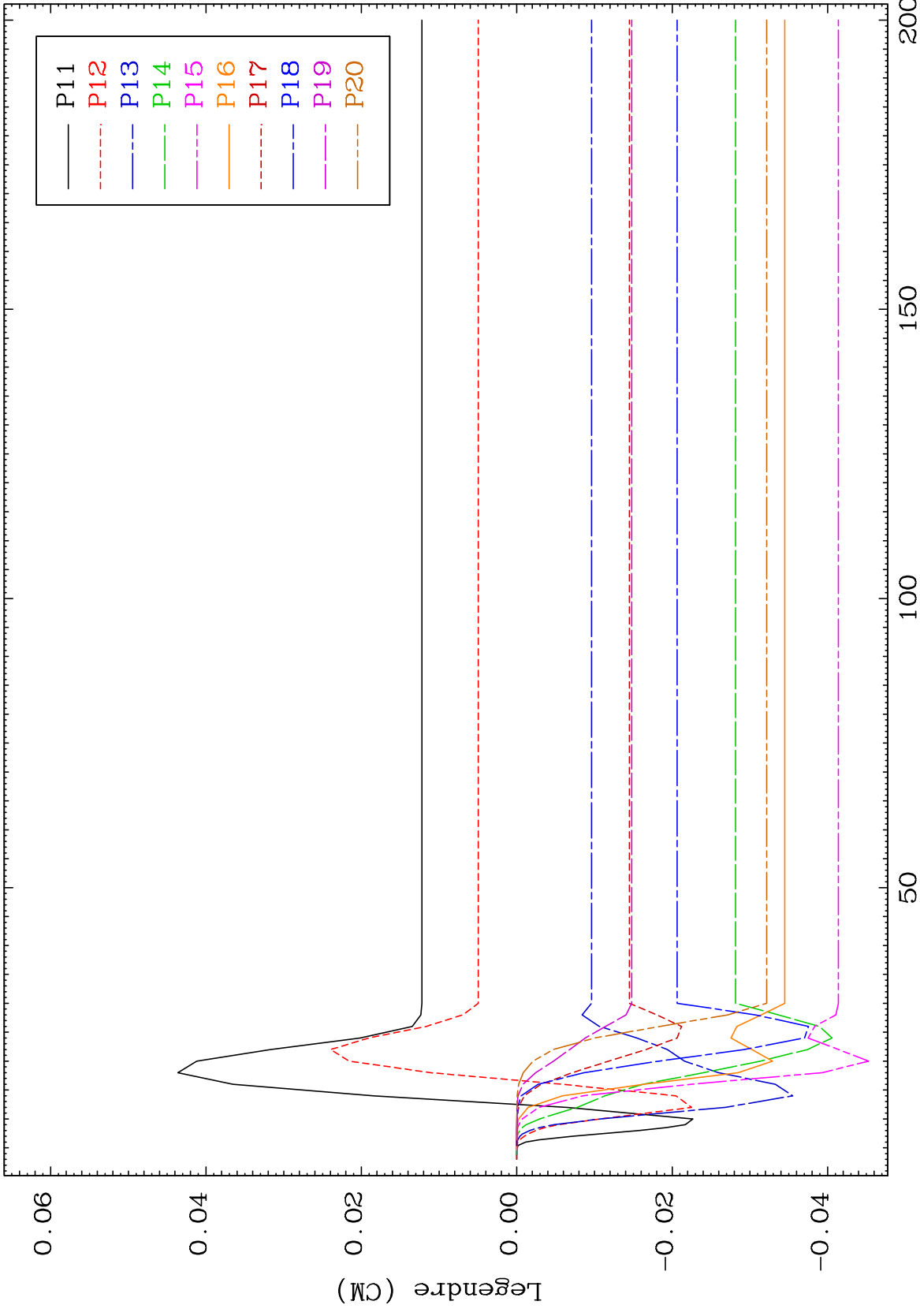
Incident Energy (MeV)

82-Pb-200

MAT 8213

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

82-Pb-200



60

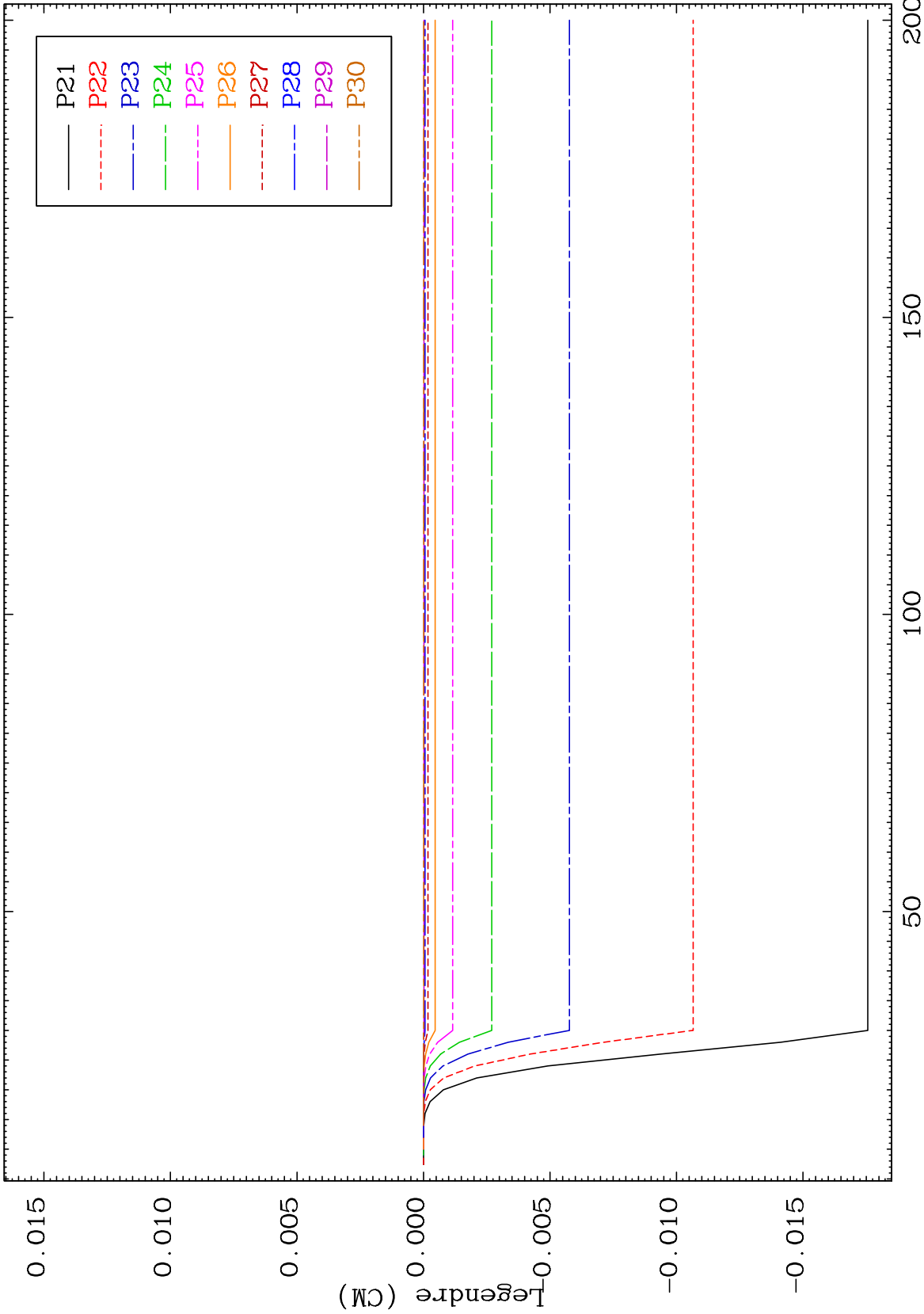
Incident Energy (MeV)

82-Pb-200

MAT 8213

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

82-Pb-200

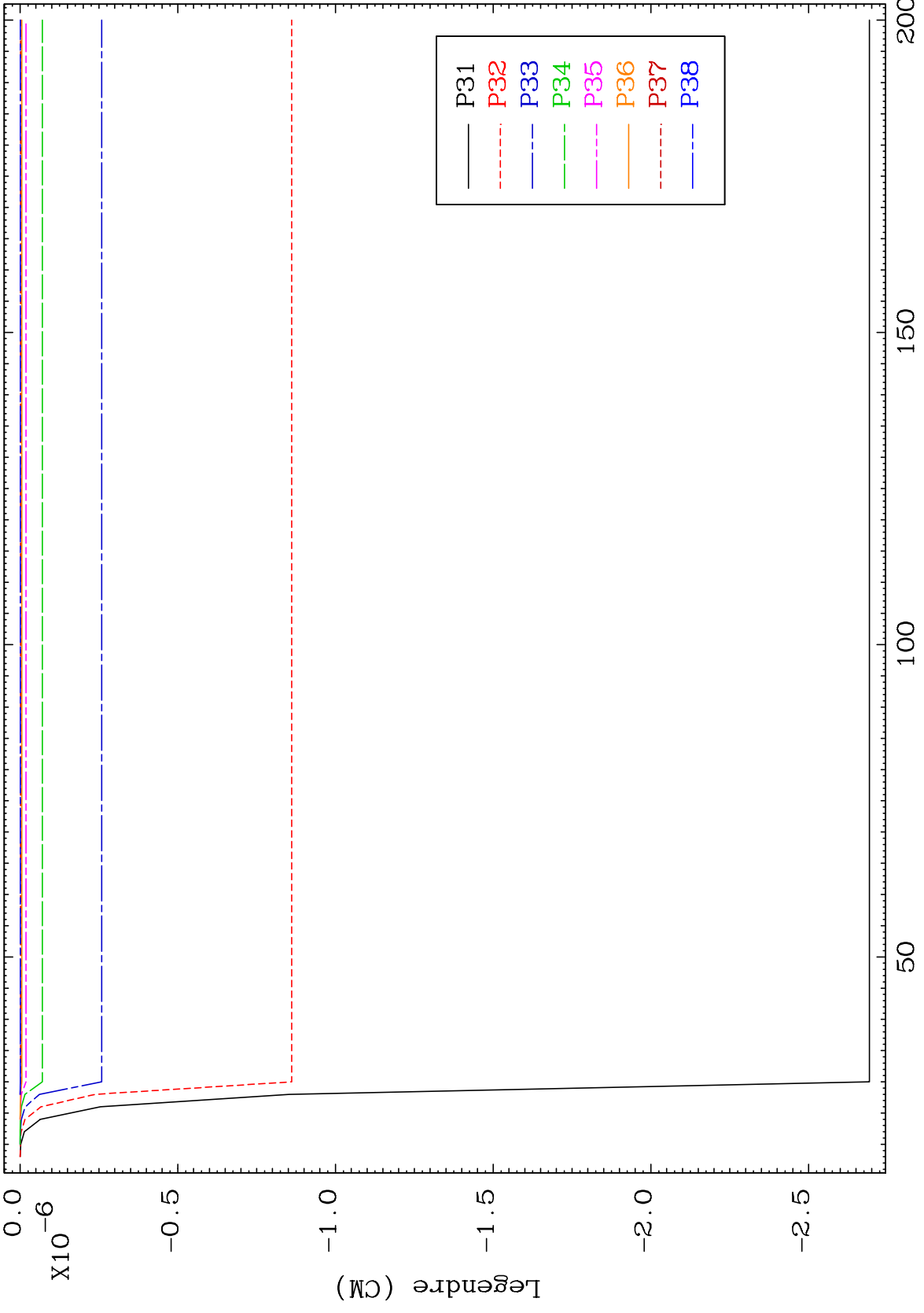


61

Incident Energy (MeV)

82-Pb-200

MAT 8213 MT= 62 (n,n') Level Legendre Coefficients 82-Pb-200

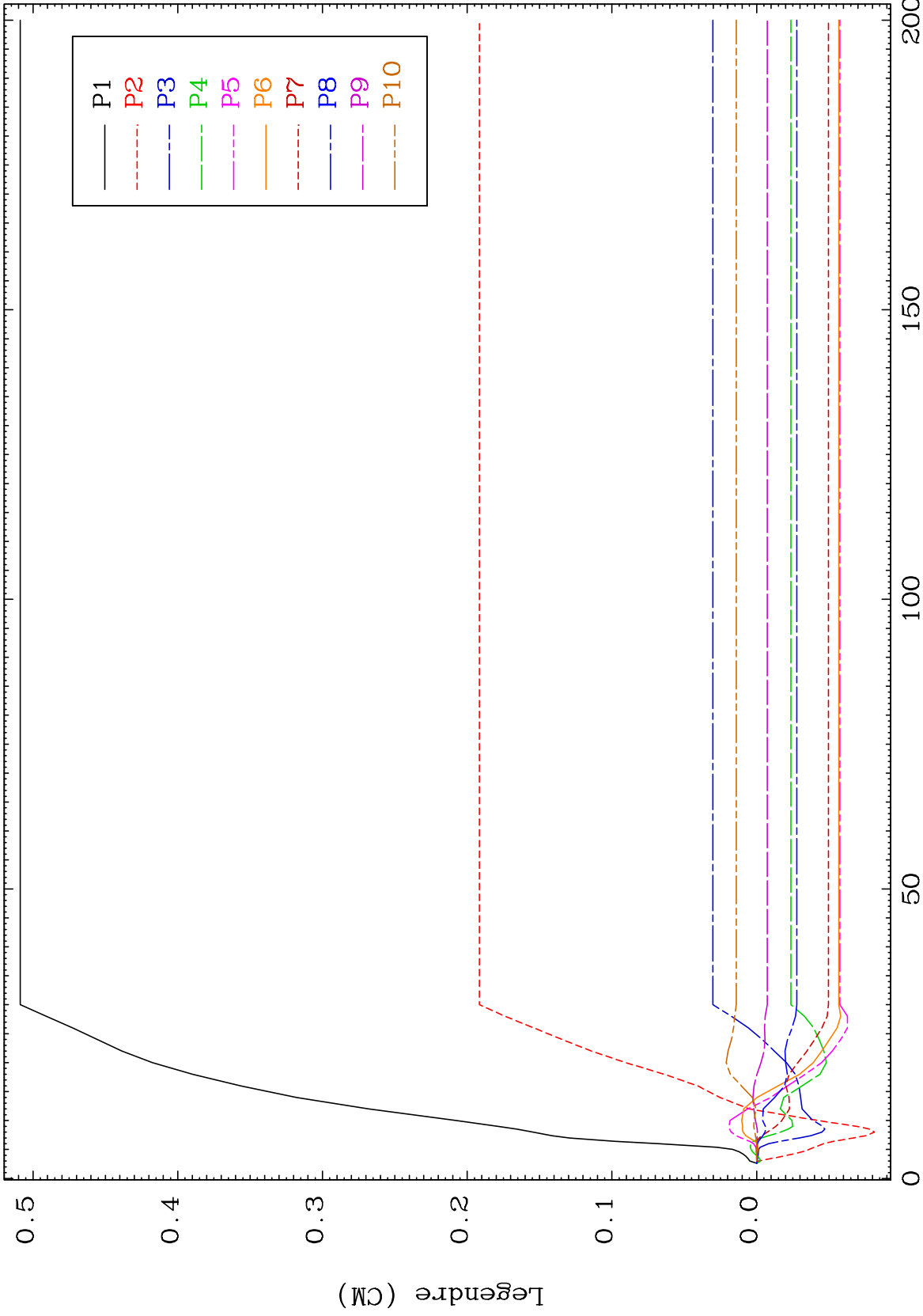


62 82-Pb-200

MAT 8213

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

82-Pb-200



63

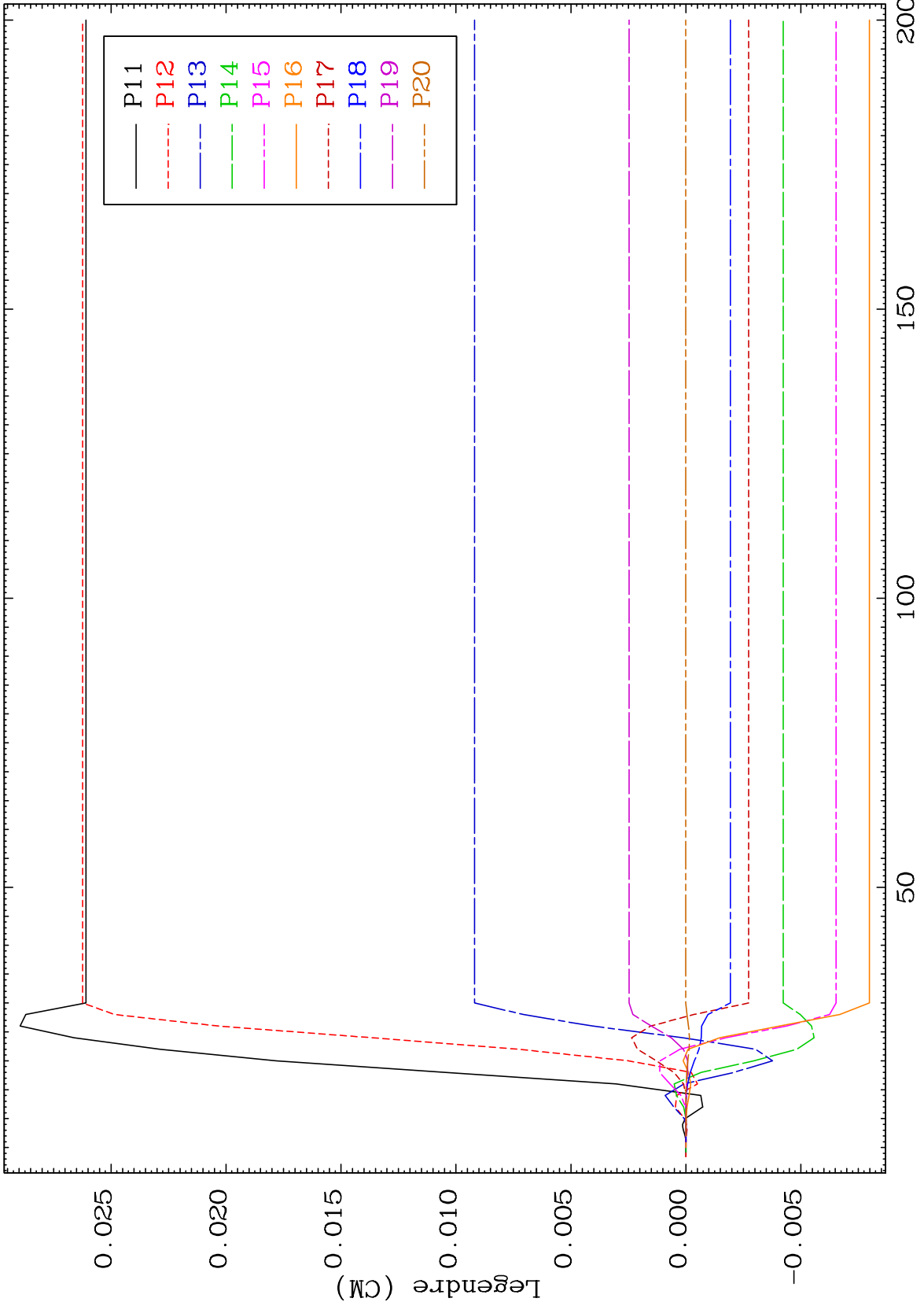
Incident Energy (MeV)

82-Pb-200

MAT 8213

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

82-Pb-200



64

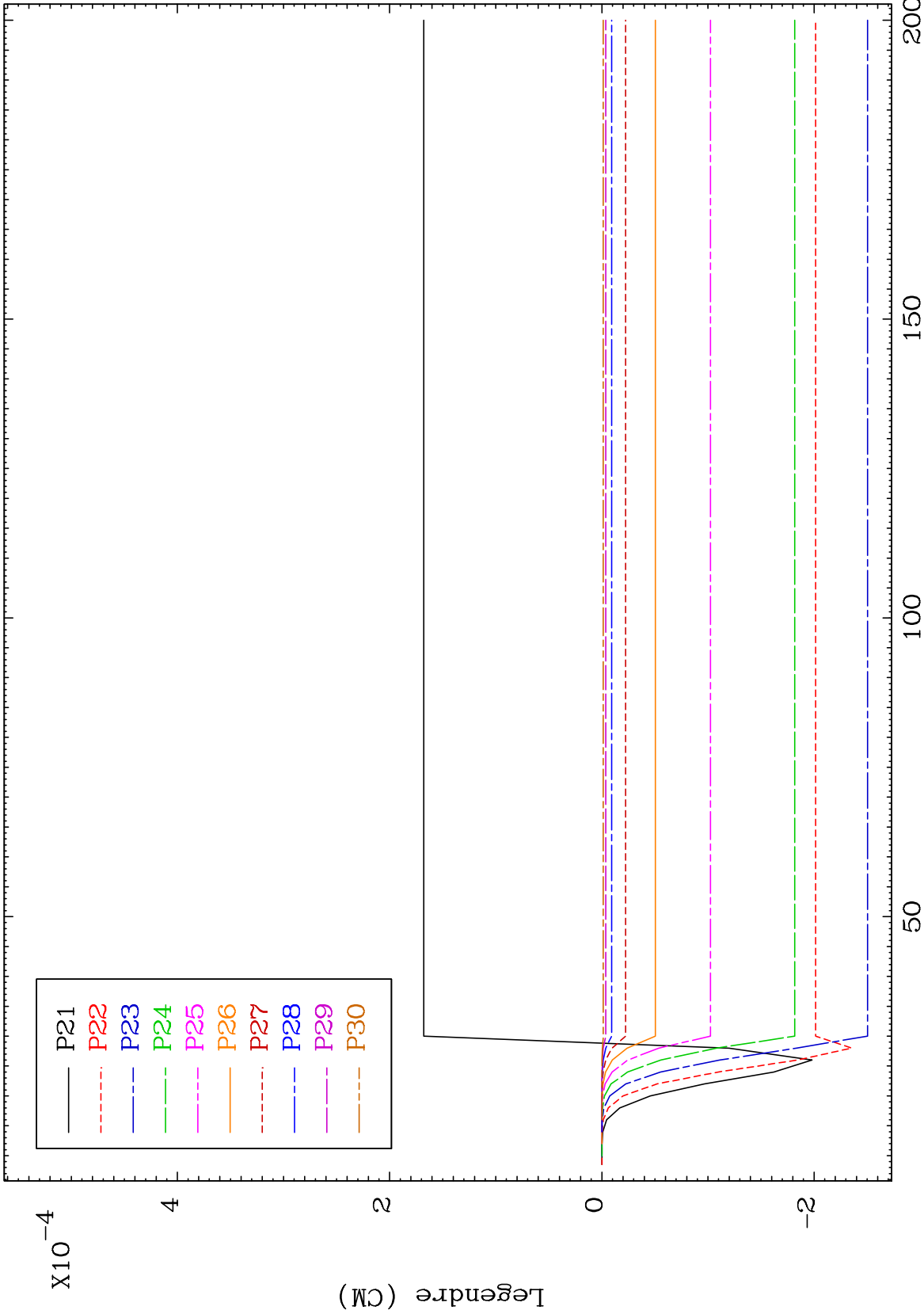
Incident Energy (MeV)

82-Pb-200

MAT 8213

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

82-Pb-200



65

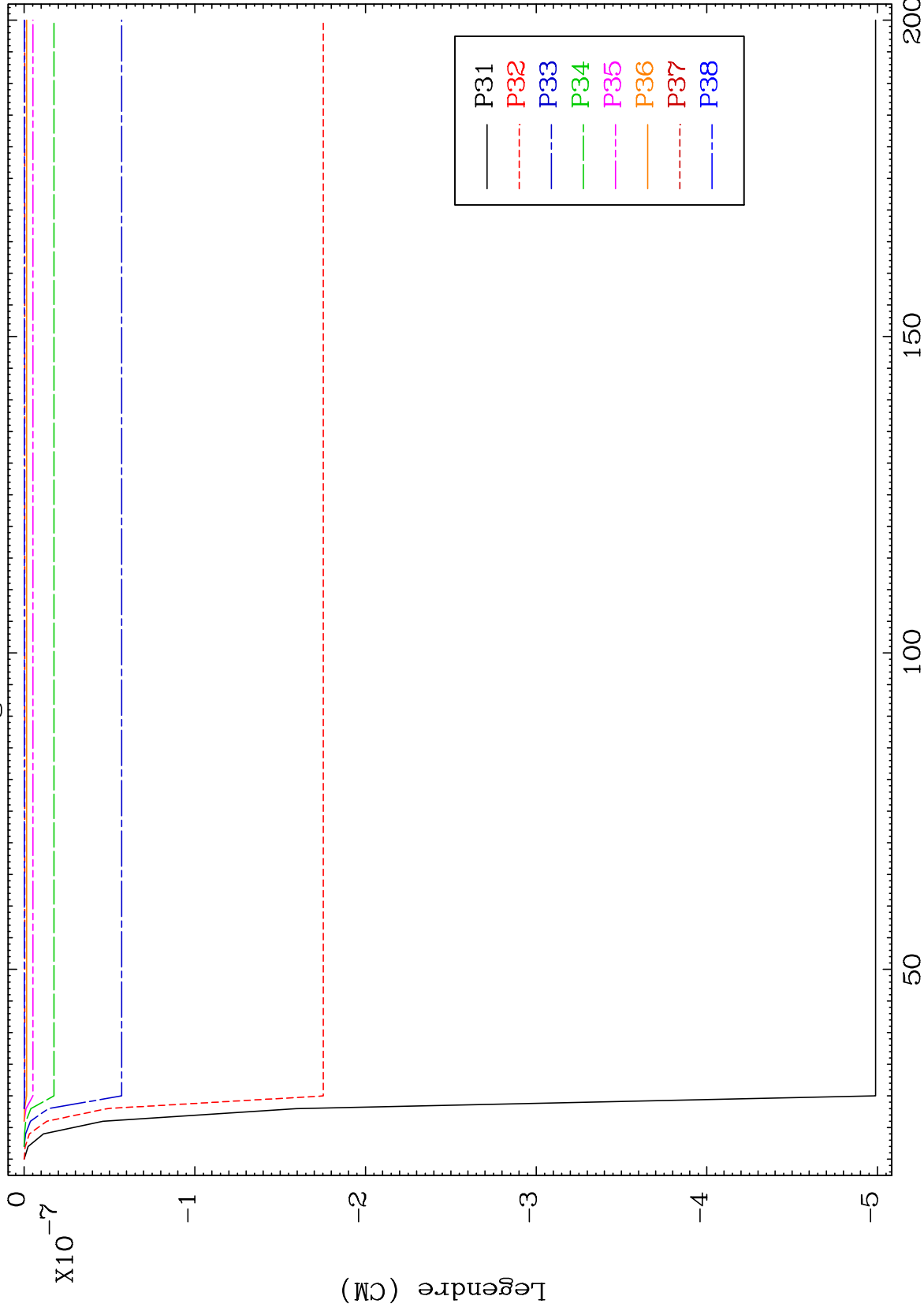
Incident Energy (MeV)

82-Pb-200

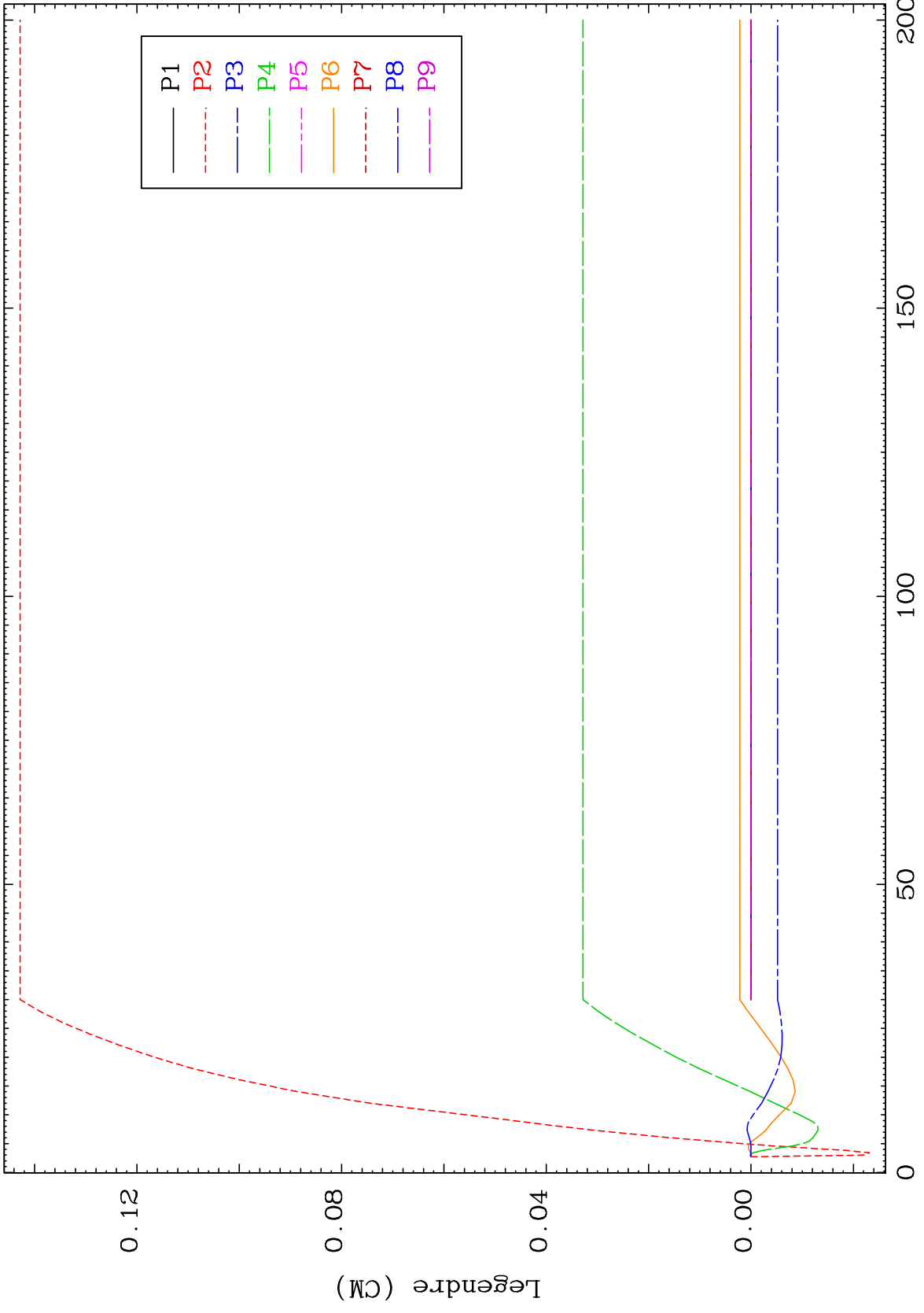
MAT 8213

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

82-Pb-200



MAT 8213 MT= 64 (n,n') Level Legendre Coefficients 82-Pb-200

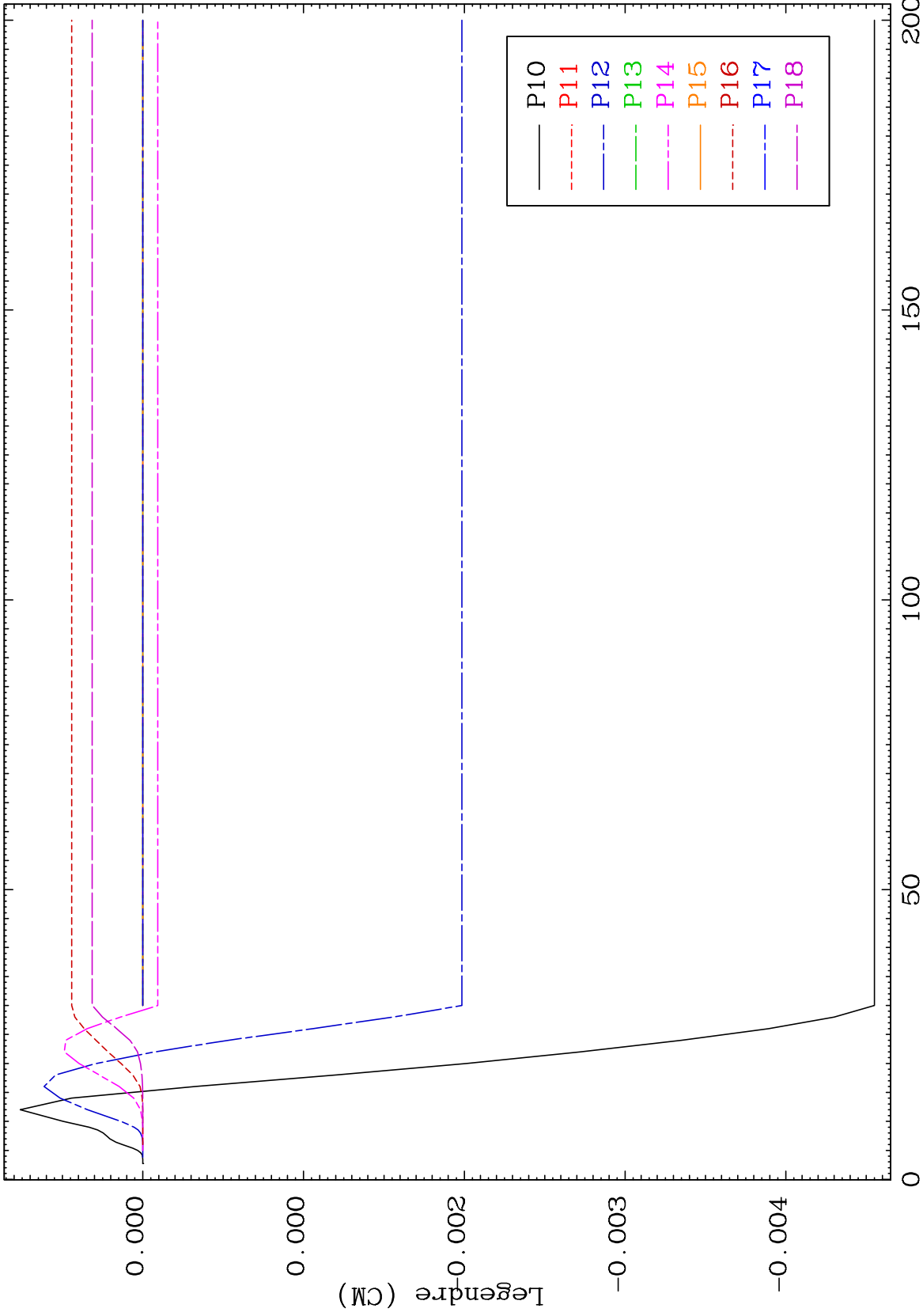


67 82-Pb-200

MAT 8213

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

82-Pb-200

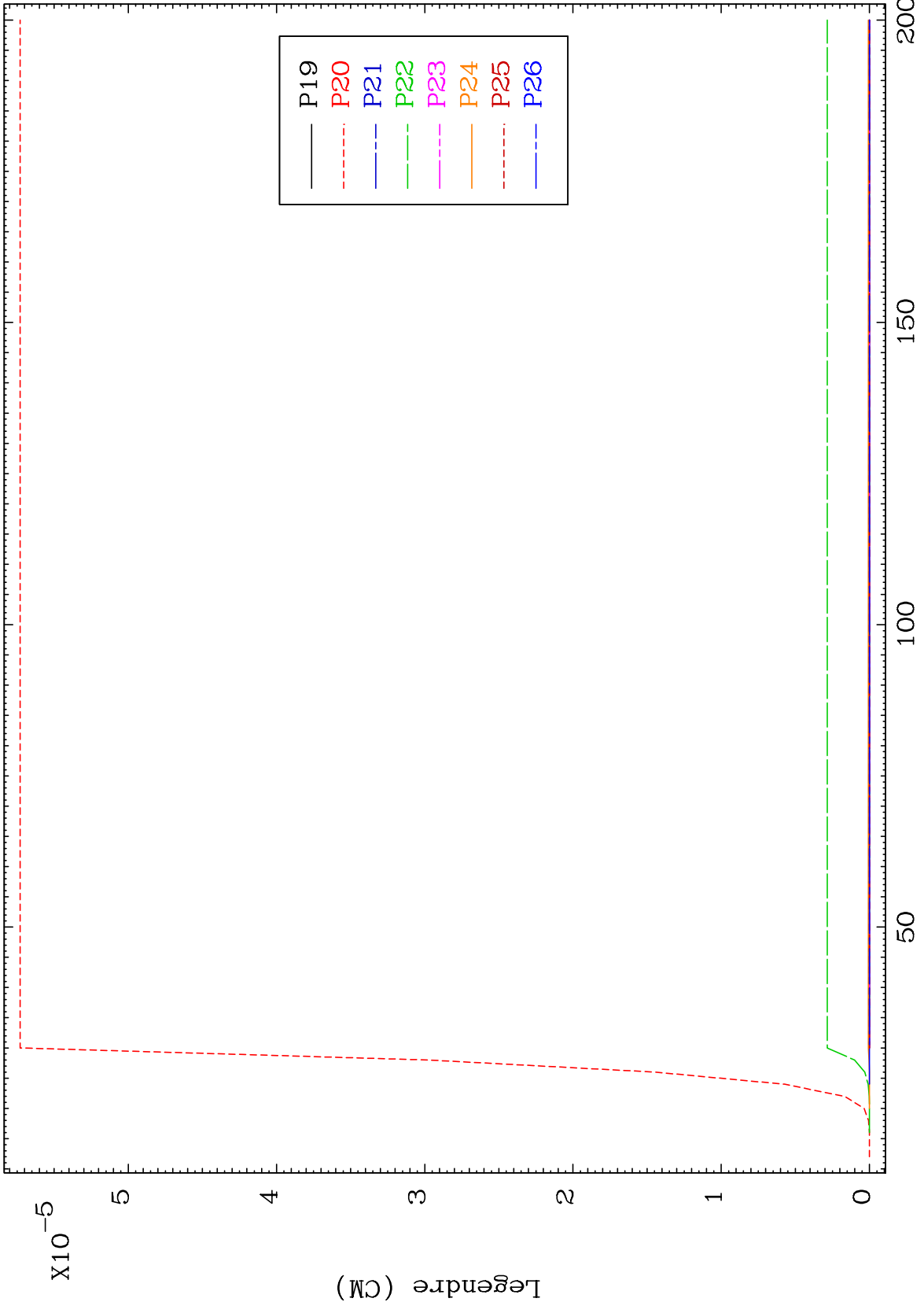


68

Incident Energy (MeV)

82-Pb-200

MAT 8213 MT= 64 (n,n') Level Legendre Coefficients 82-Pb-200

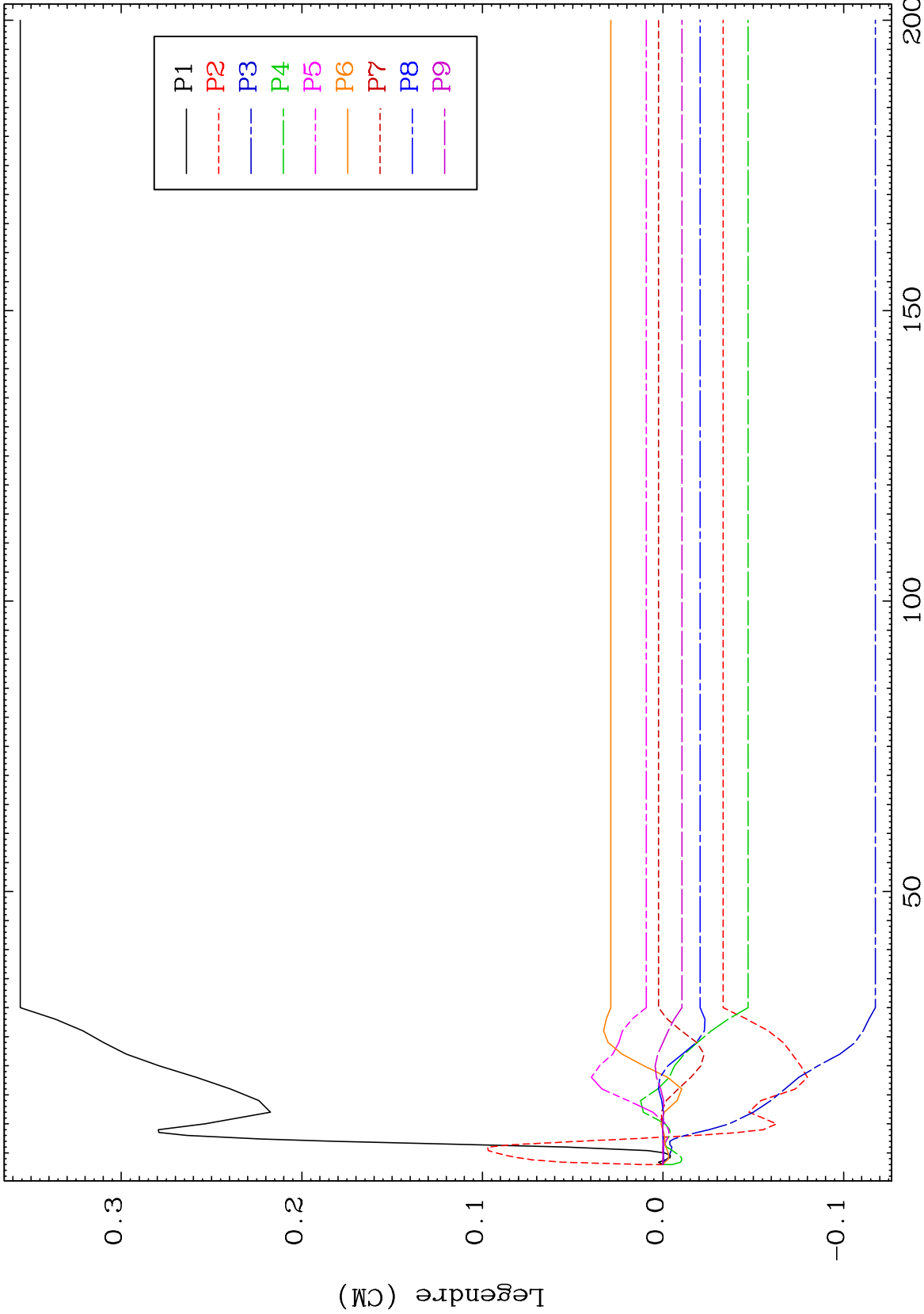


69 Incident Energy (MeV) 82-Pb-200

MAT 8213

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

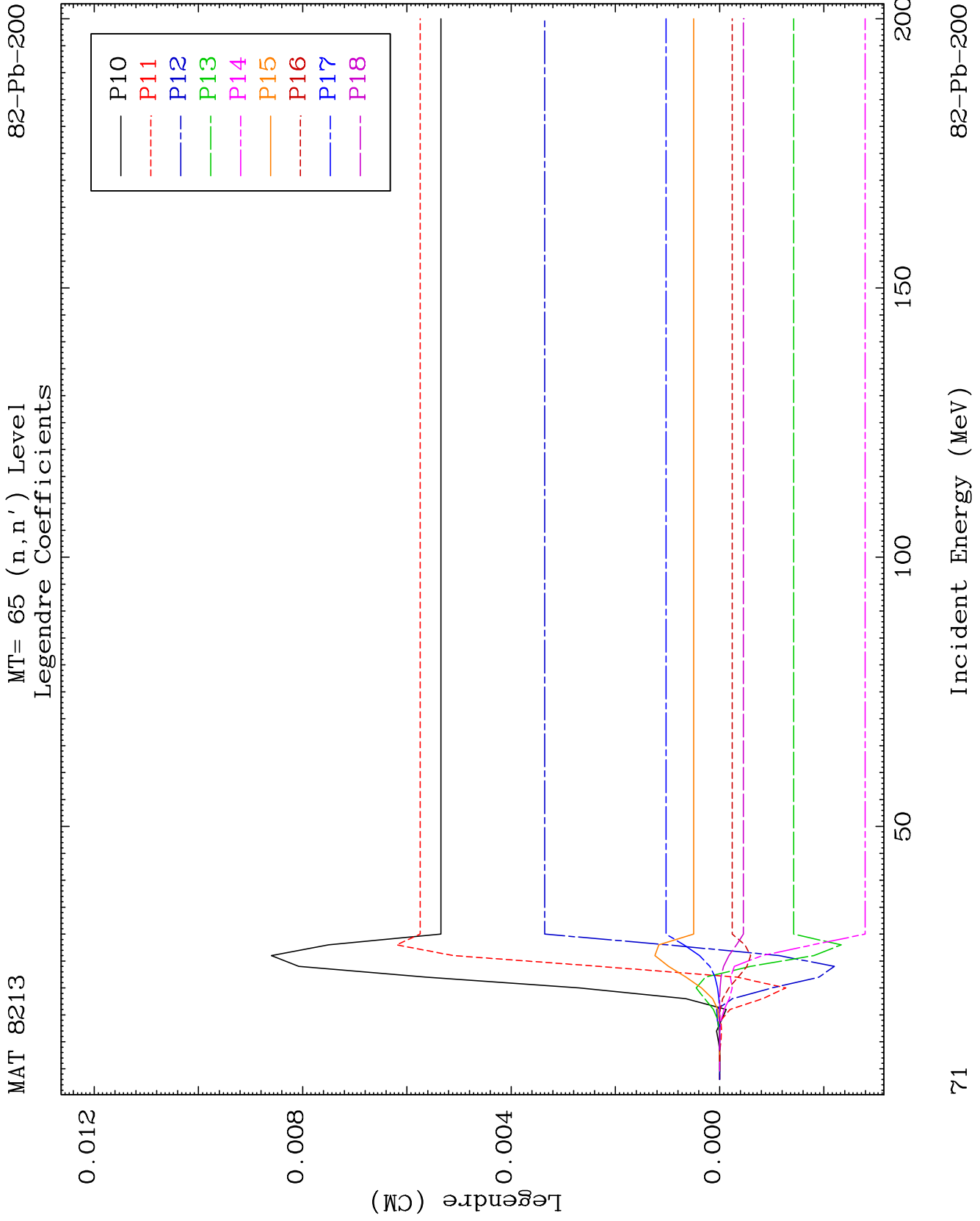
82-Pb-200



70

Incident Energy (MeV)

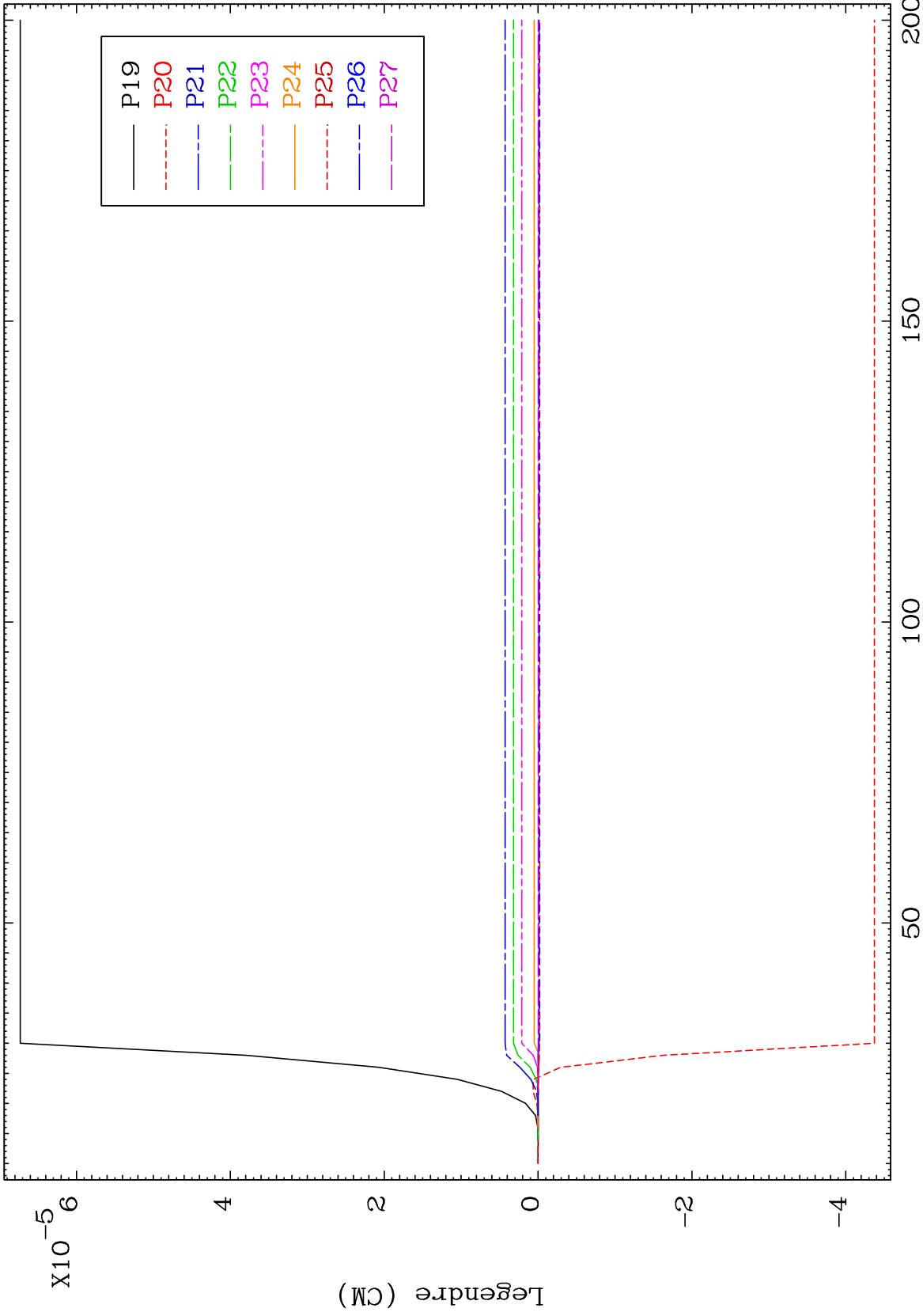
82-Pb-200



MAT 8213

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

82-Pb-200

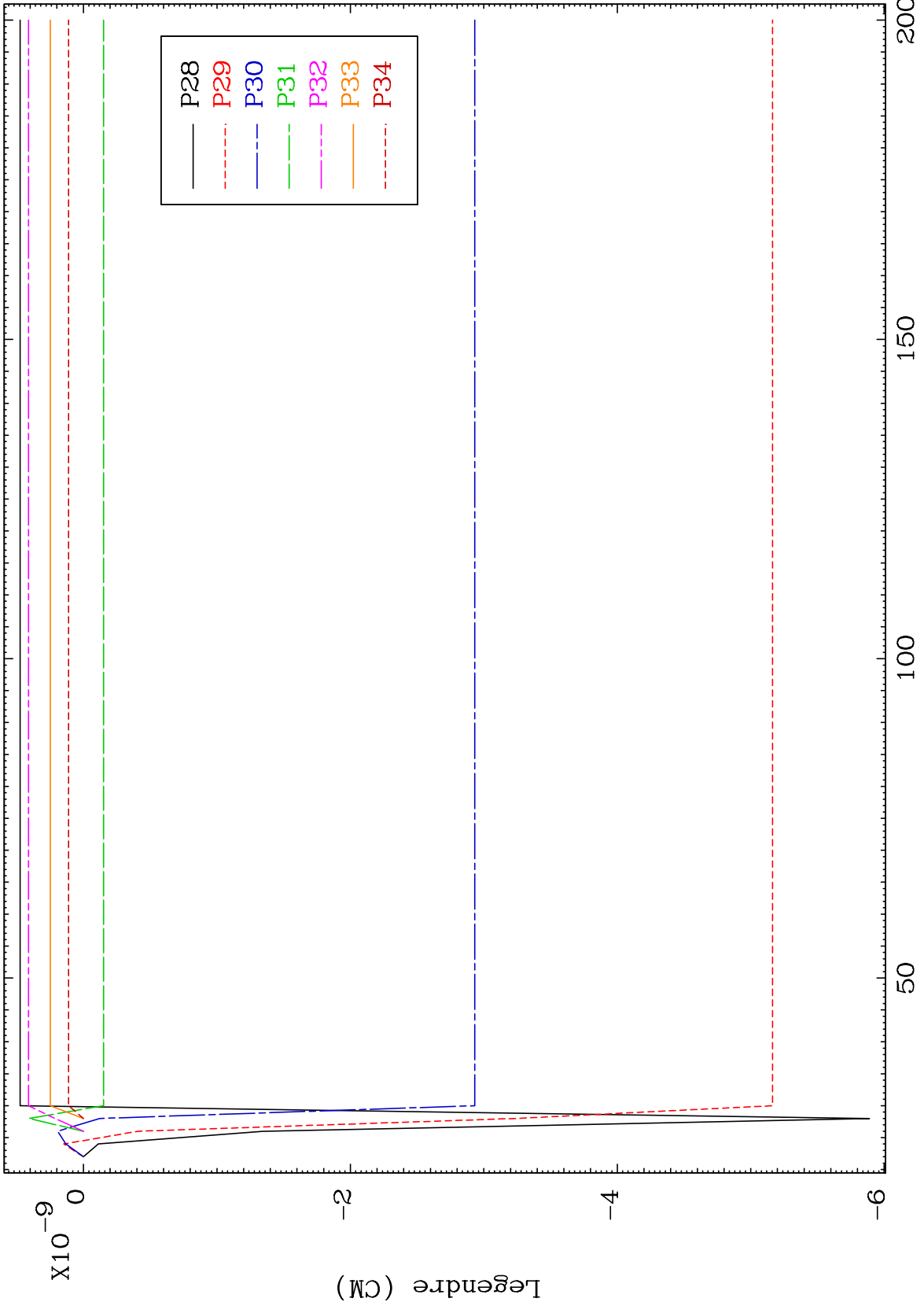


72

Incident Energy (MeV)

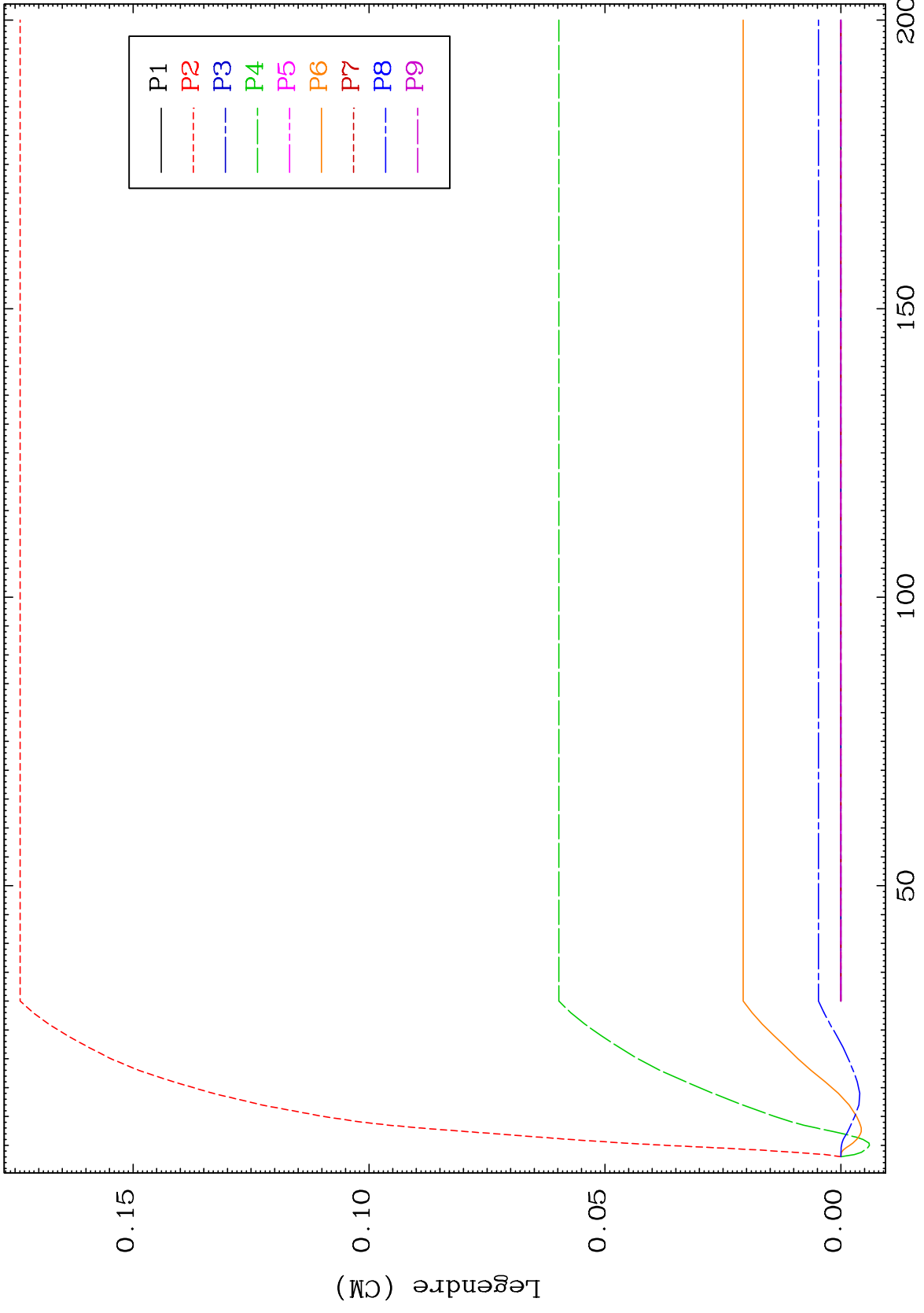
82-Pb-200

MAT 8213 MT= 65 (n,n') Level Legendre Coefficients 82-Pb-200



73 82-Pb-200

MAT 8213 MT= 66 (n,n') Level Legendre Coefficients 82-Pb-200

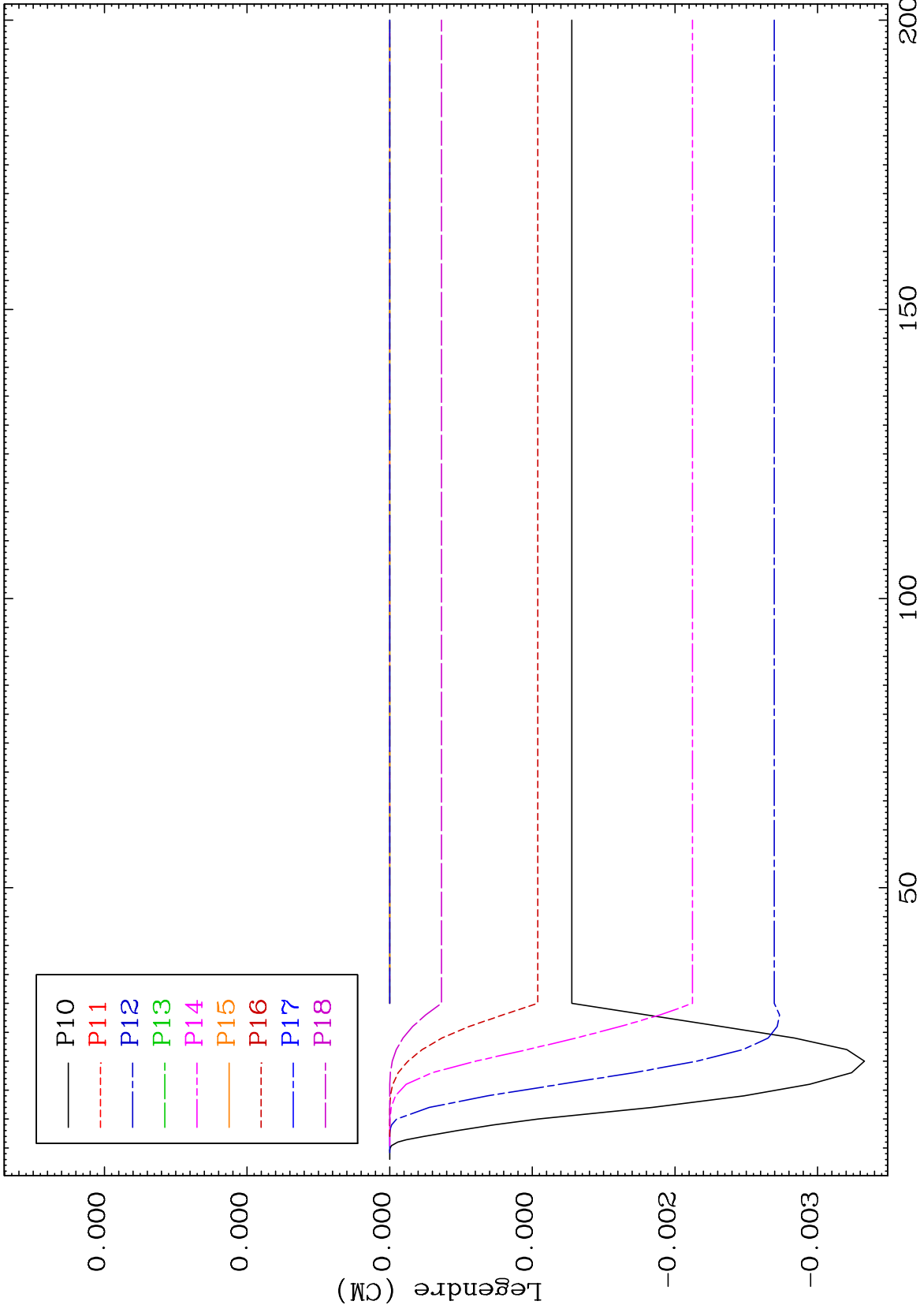


74 Incident Energy (MeV) 82-Pb-200

MAT 8213

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

82-Pb-200

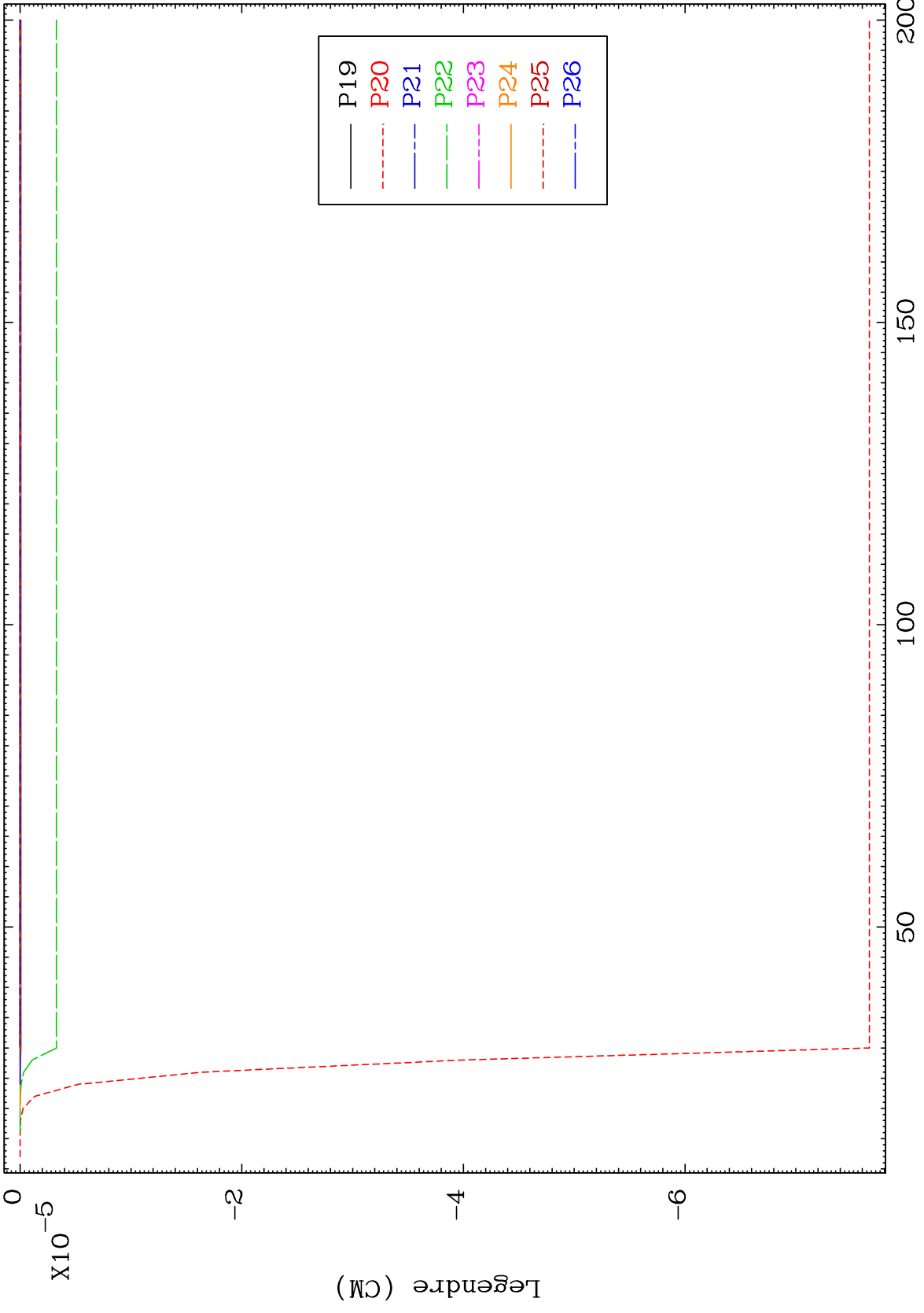


75

Incident Energy (MeV)

82-Pb-200

MAT 8213 MT= 66 (n,n') Level Legendre Coefficients 82-Pb-200

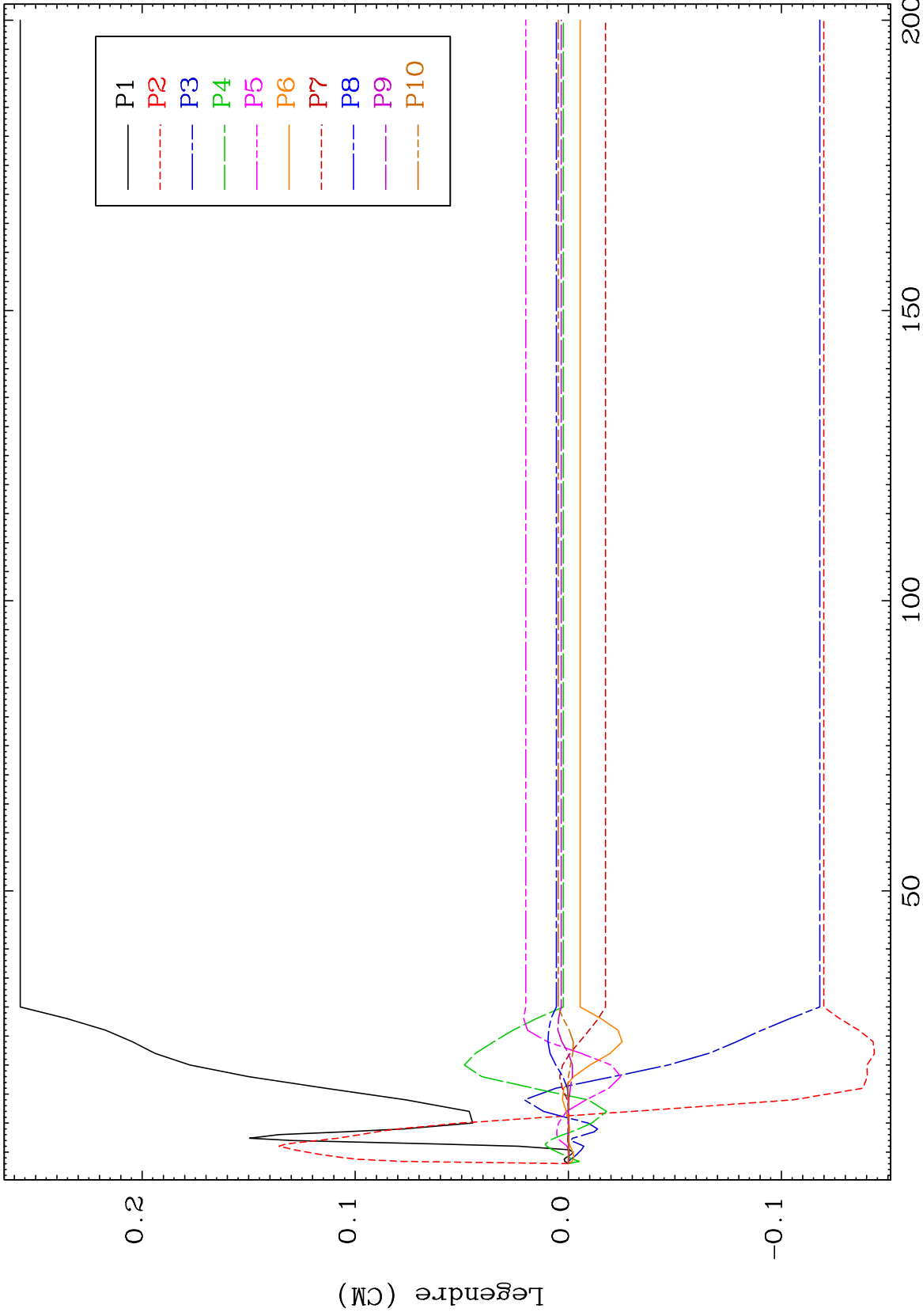


76 82-Pb-200

MAT 8213

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

82-Pb-200



77

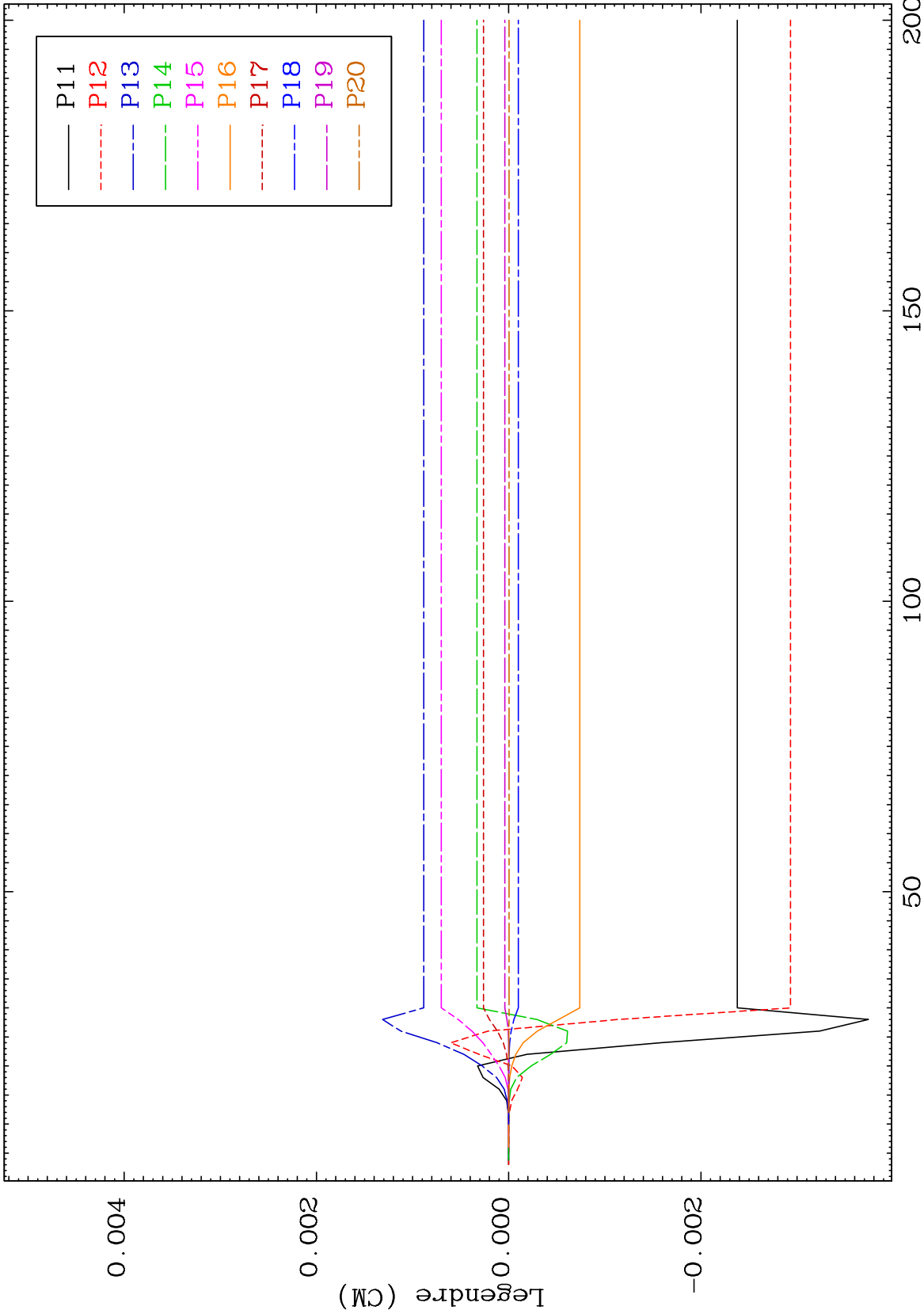
Incident Energy (MeV)

82-Pb-200

MAT 8213

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

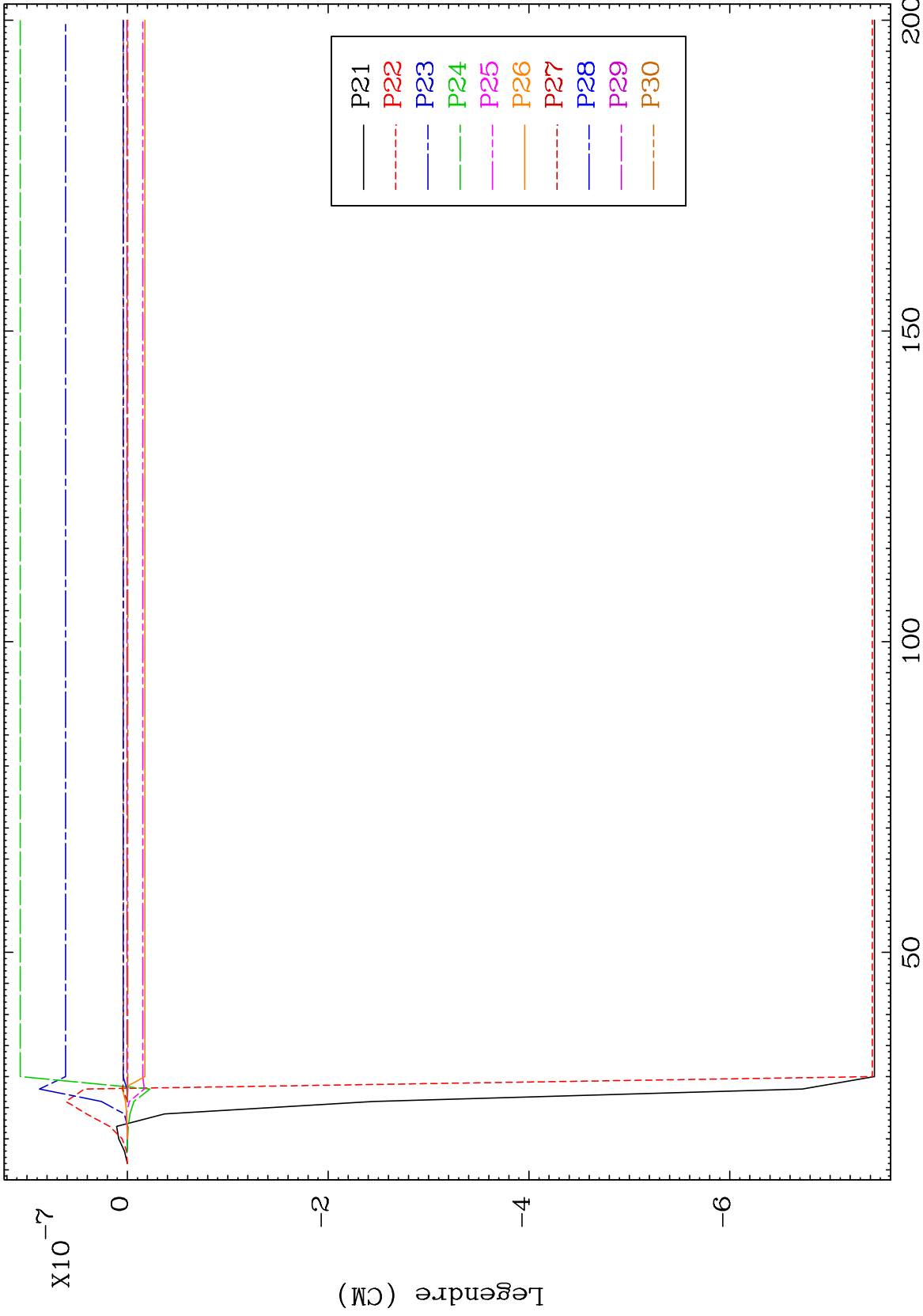
82-Pb-200



MAT 8213

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

82-Pb-200



79

Incident Energy (MeV)

82-Pb-200

MAT 8213

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

82-Pb-200



80

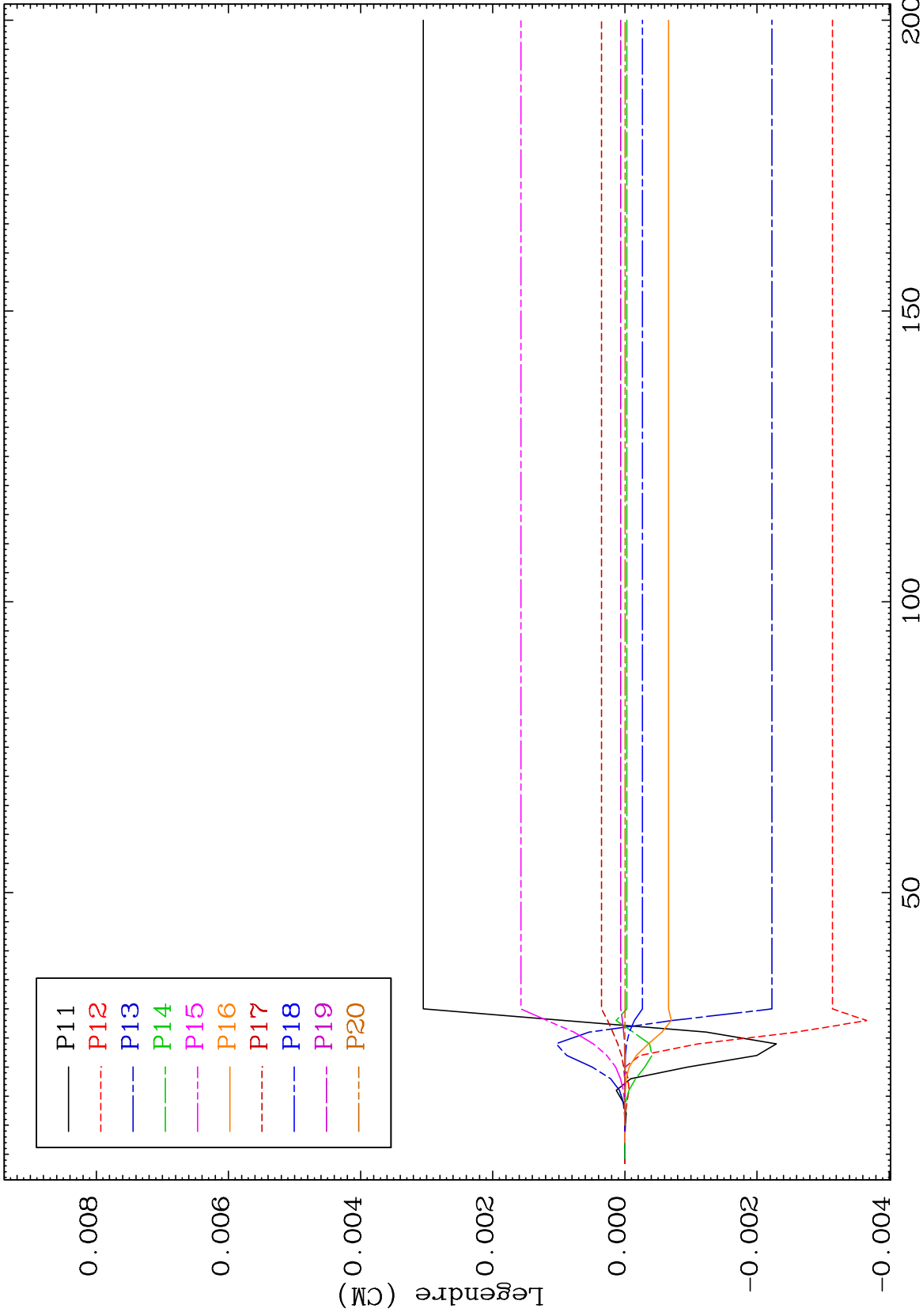
Incident Energy (MeV)

82-Pb-200

MAT 8213

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

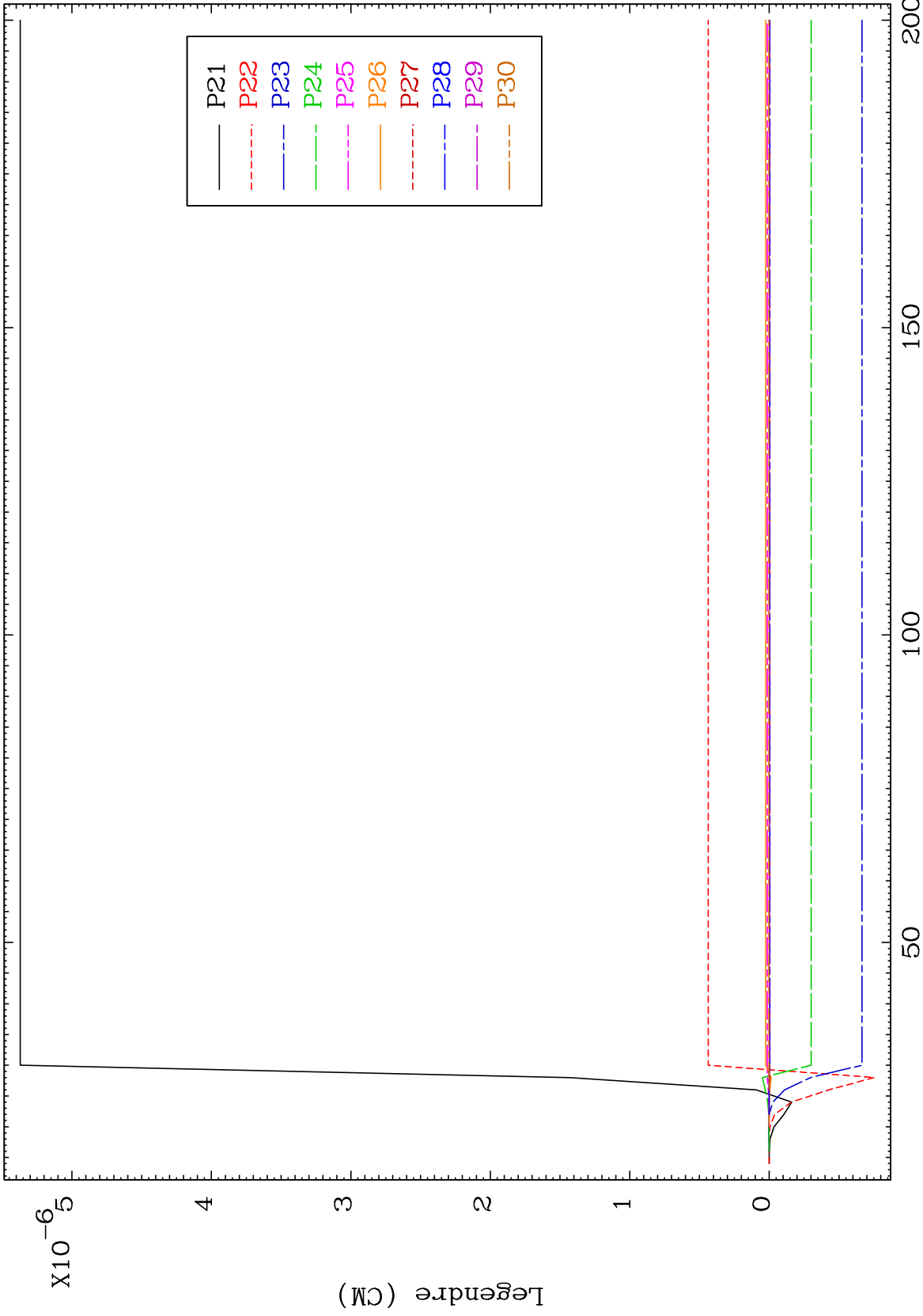
82-Pb-200



MAT 8213

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

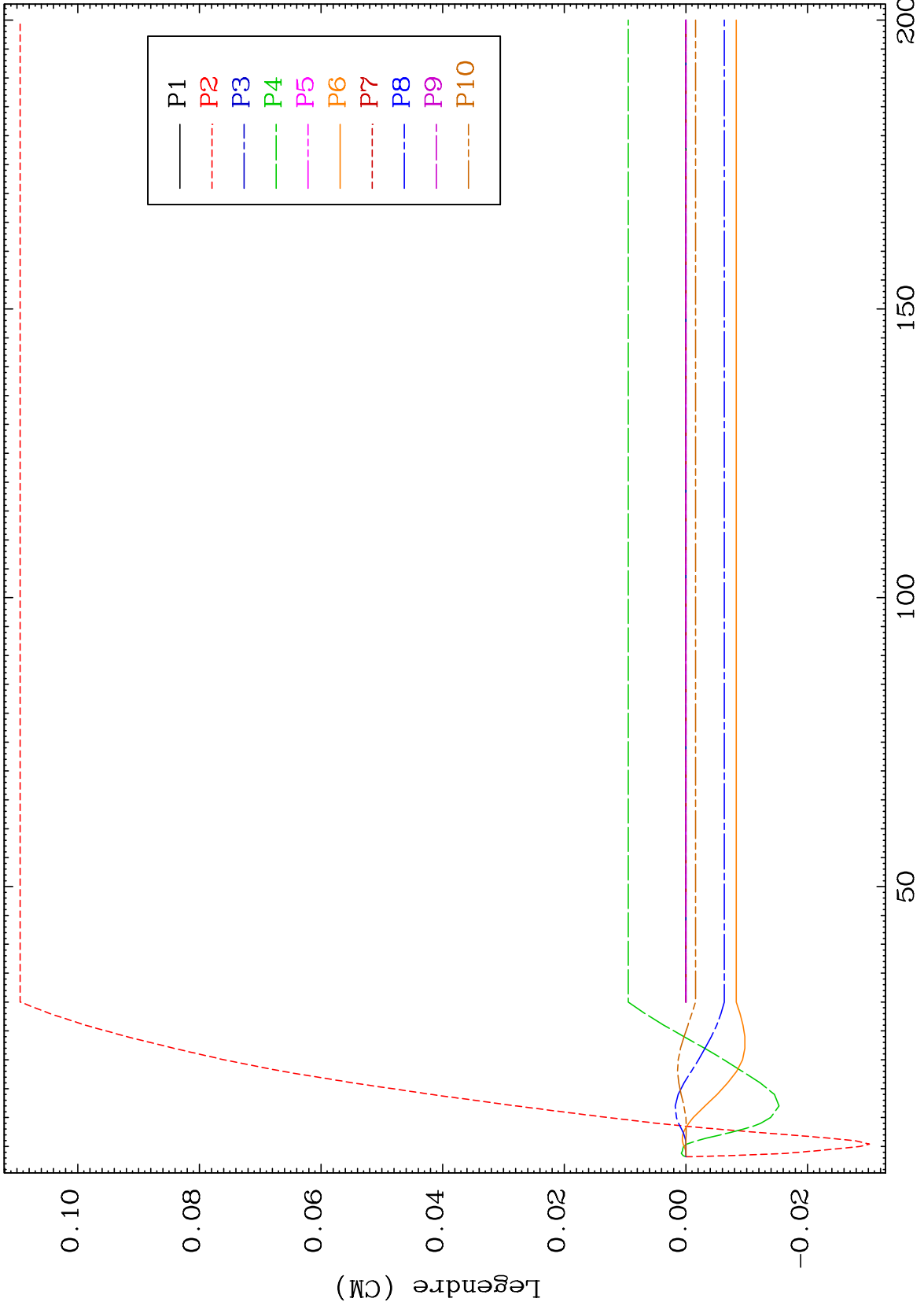
82-Pb-200



82

82-Pb-200

MAT 8213 MT= 69 (n,n') Level Legendre Coefficients 82-Pb-200

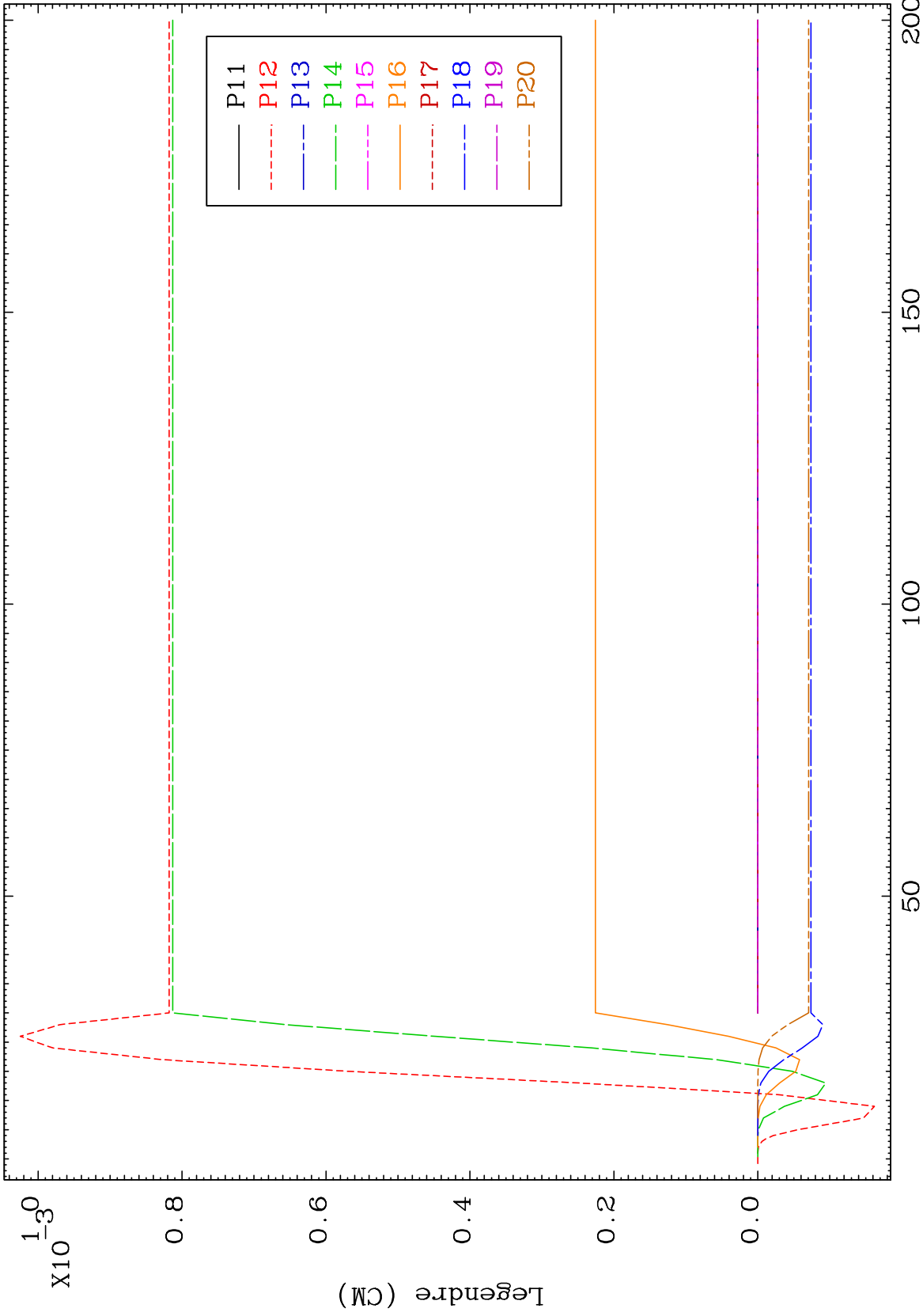


83 82-Pb-200

MAT 8213

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

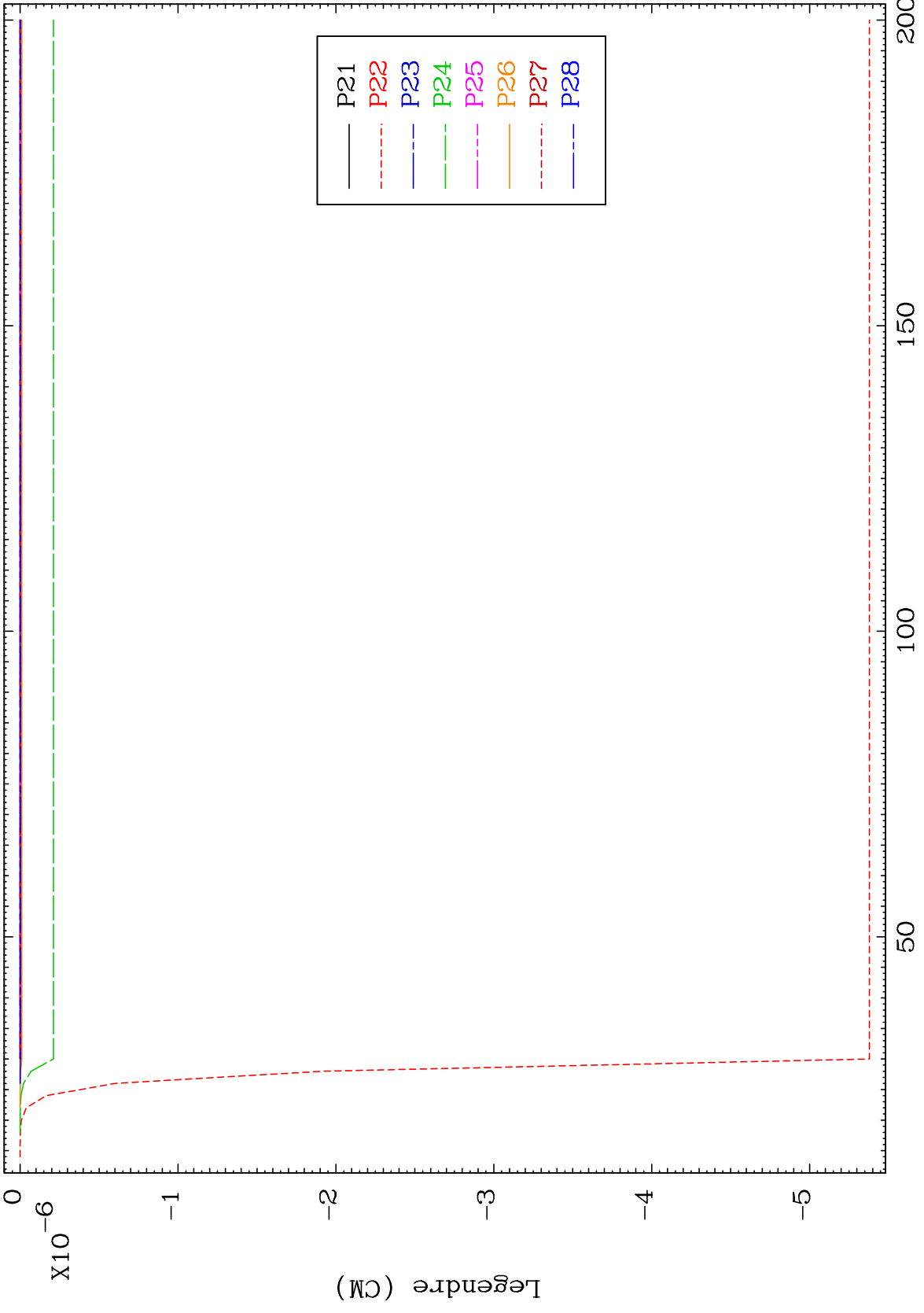
82-Pb-200



84

82-Pb-200

MAT 8213 MT= 69 (n,n') Level Legendre Coefficients 82-Pb-200

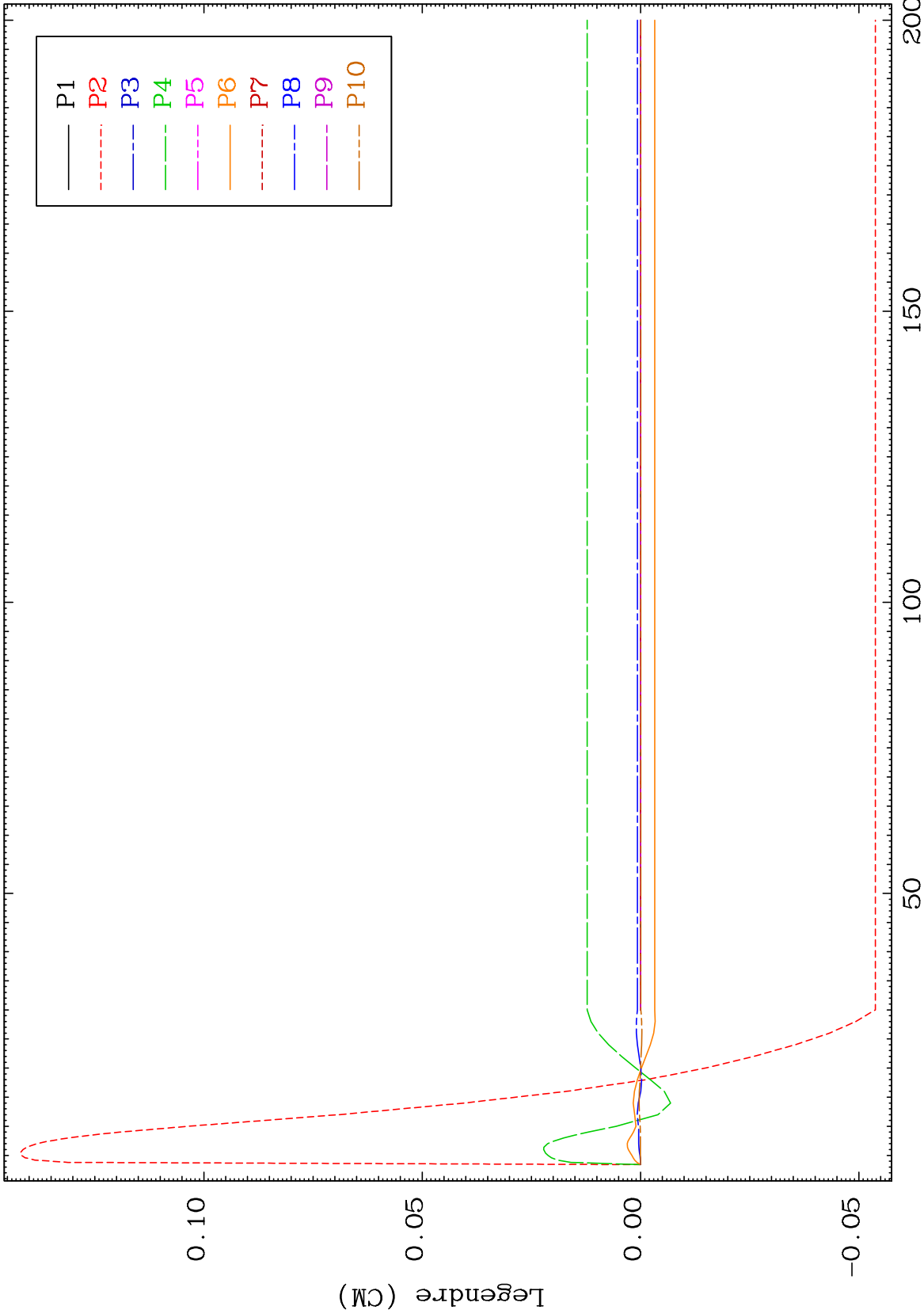


85 82-Pb-200

MAT 8213

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

82-Pb-200

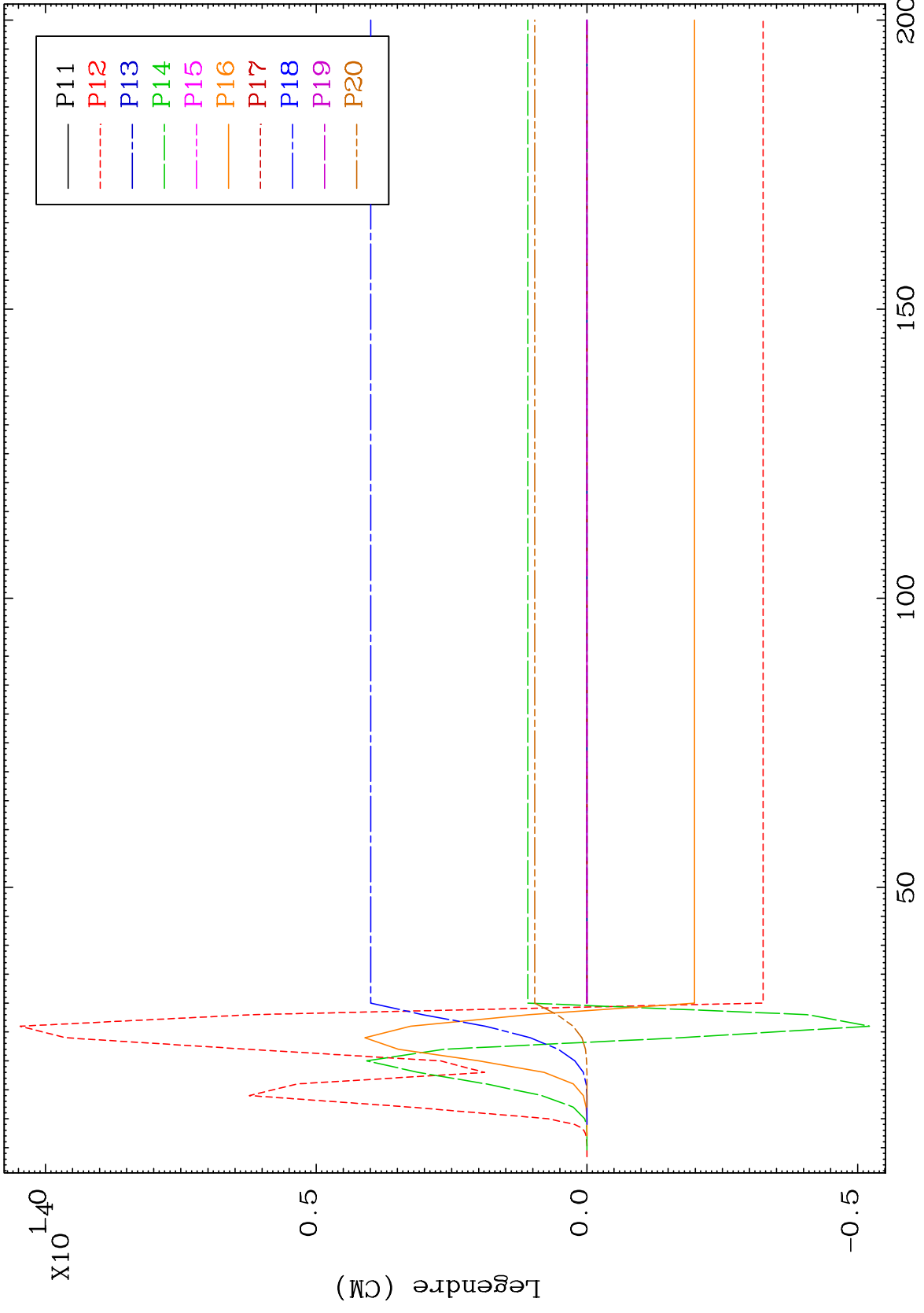


86

Incident Energy (MeV)

82-Pb-200

MAT 8213 MT= 70 (n,n') Level Legendre Coefficients 82-Pb-200

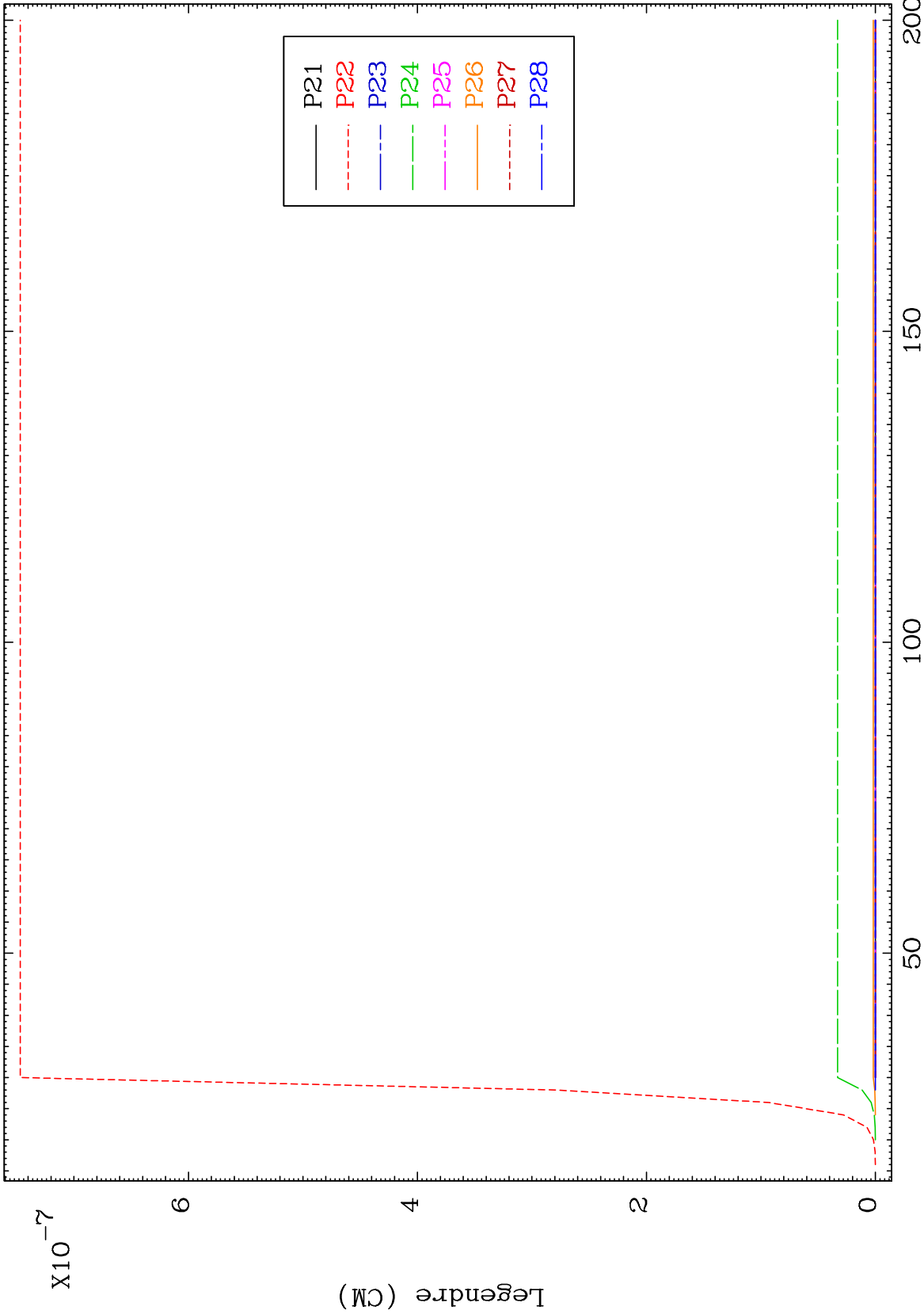


87 82-Pb-200

MAT 8213

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

82-Pb-200

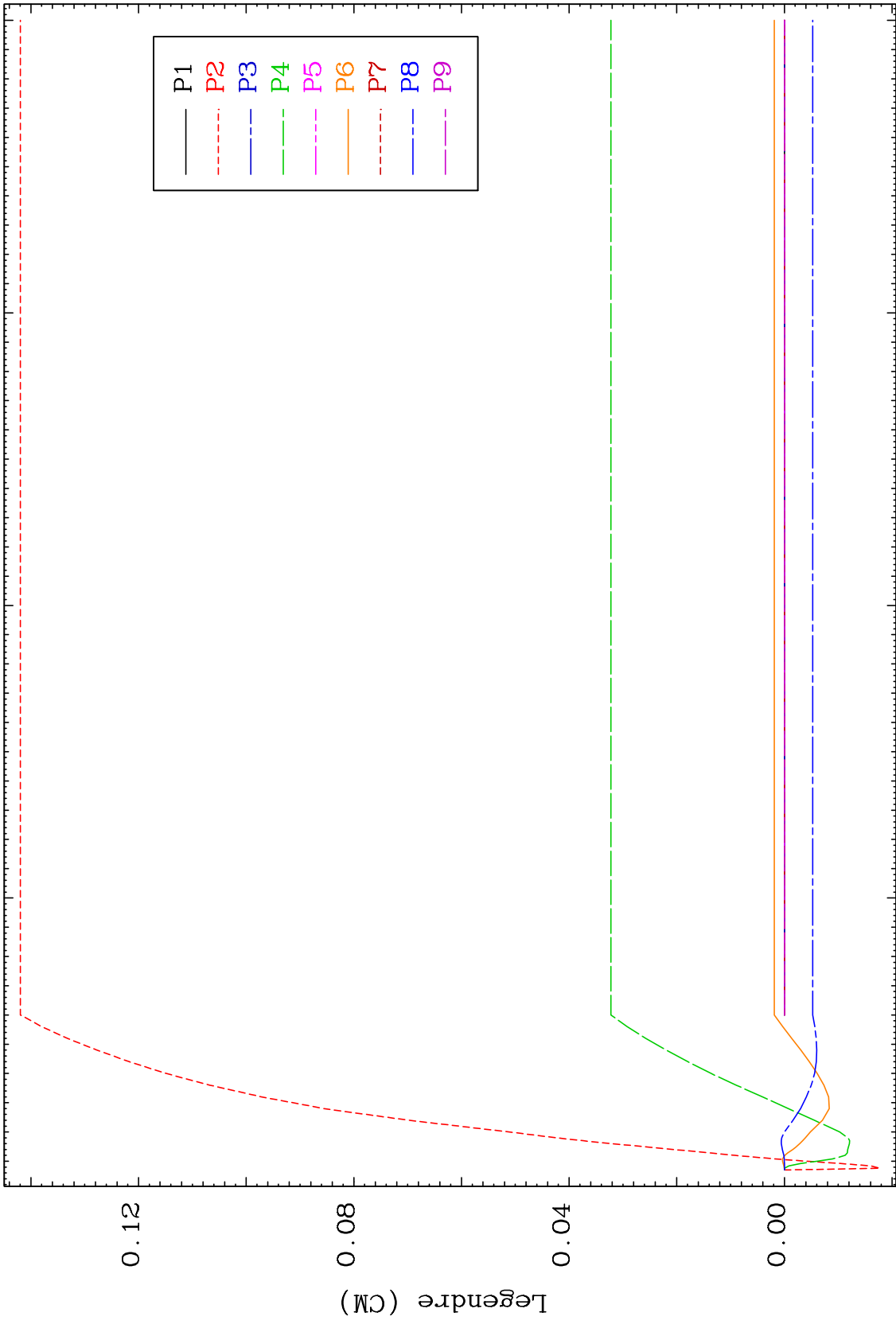


88

Incident Energy (MeV)

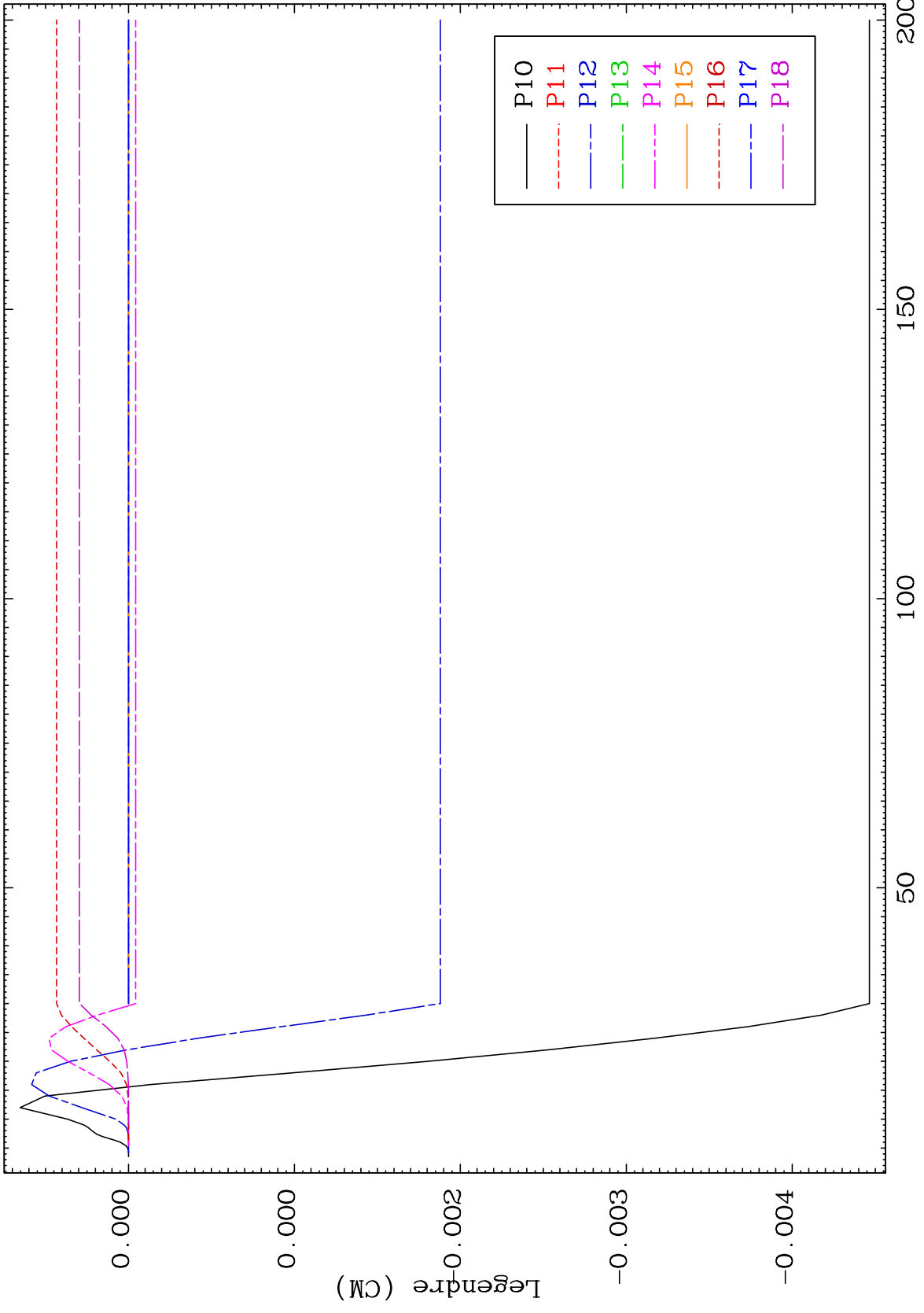
82-Pb-200

MAT 8213 MT= 71 (n,n') Level Legendre Coefficients 82-Pb-200



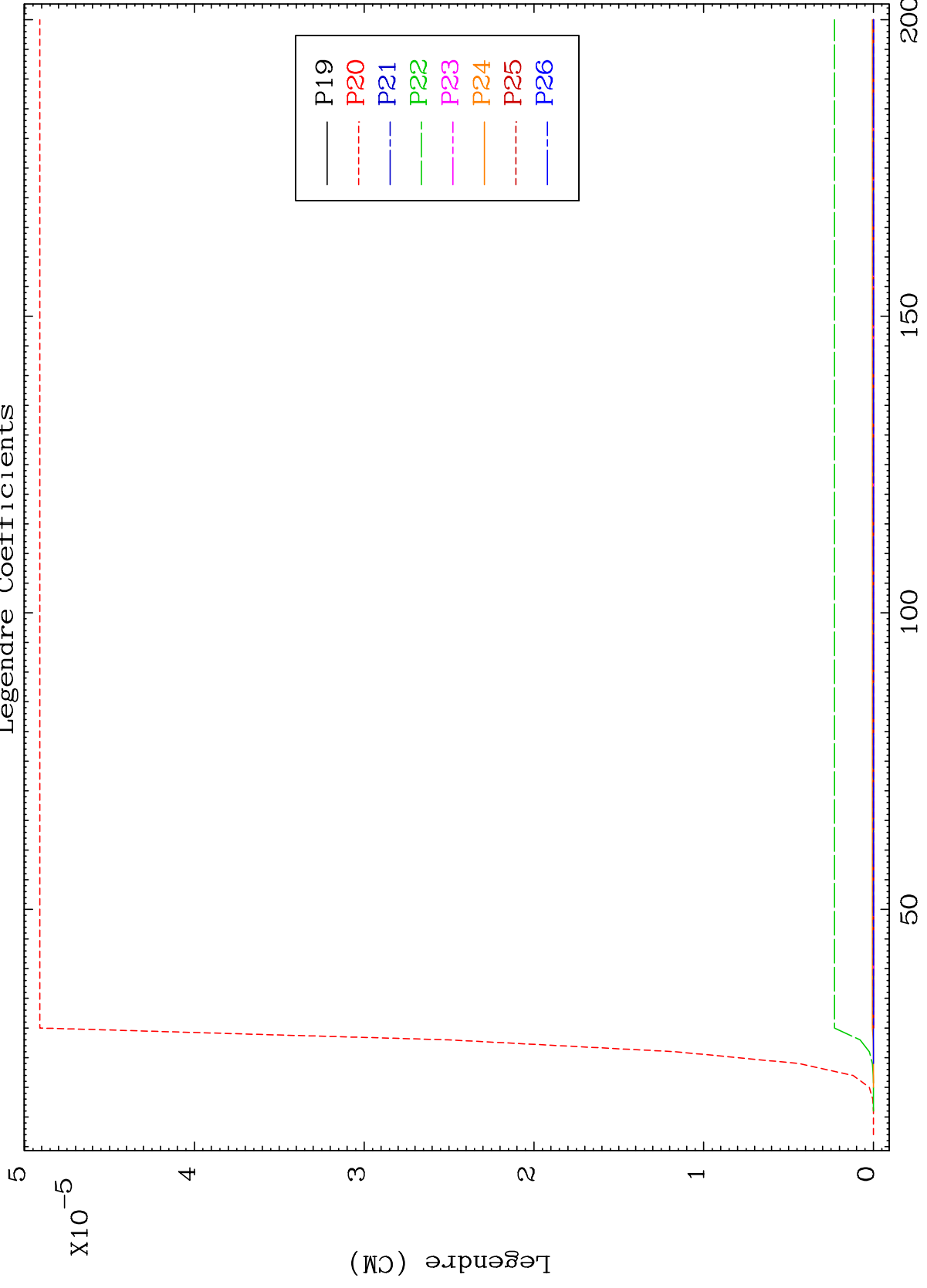
89 Incident Energy (MeV) 82-Pb-200

MAT 8213 MT= 71 (n,n') Level Legendre Coefficients 82-Pb-200



90 Incident Energy (MeV) 82-Pb-200

MAT 8213 MT= 71 (n,n') Level Legendre Coefficients 82-Pb-200

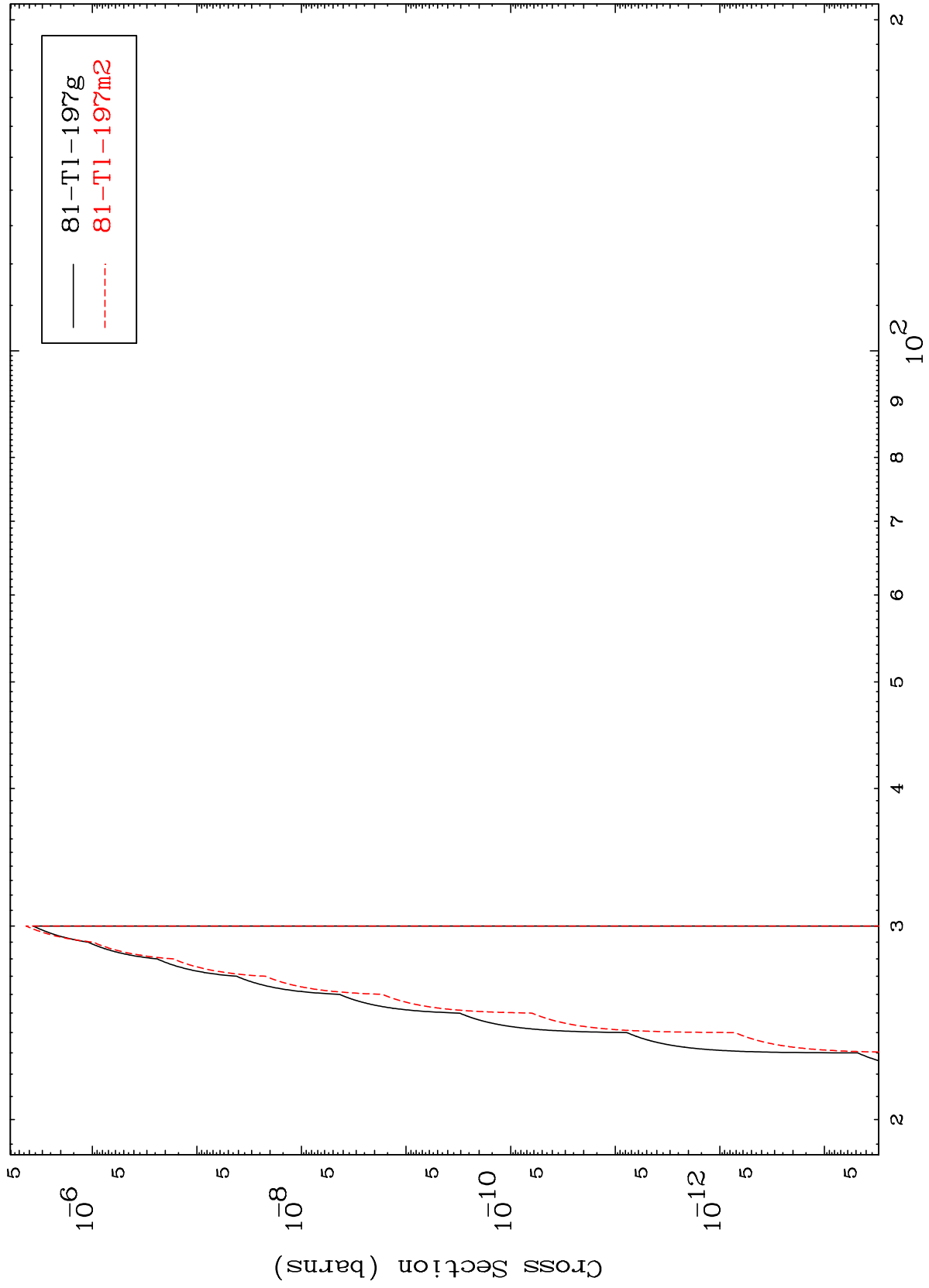


MAT 8213

(n,2n) d

82-Pb-200

Radionuclide Production Cross Section



92

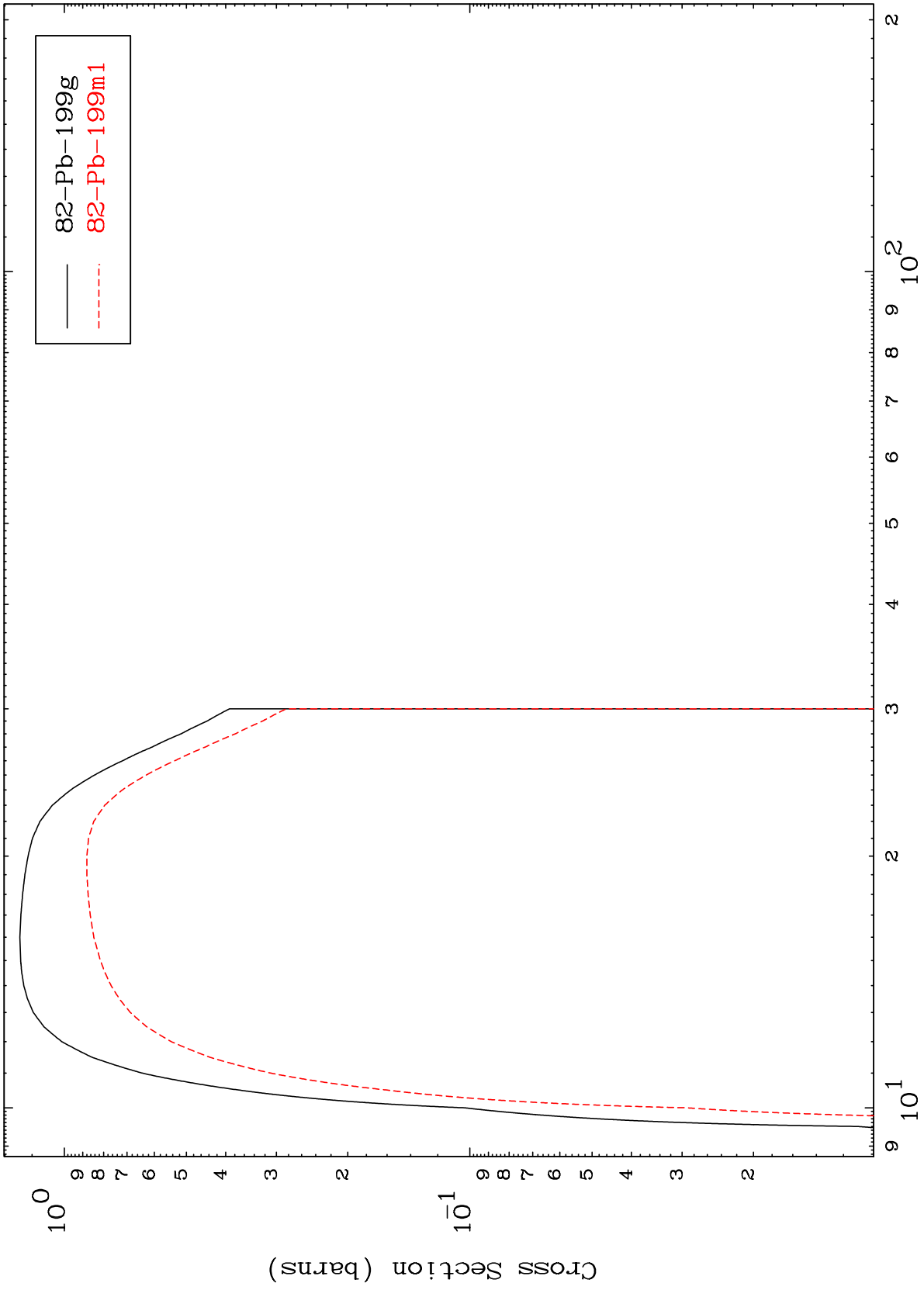
Incident Energy (MeV)

82-Pb-200

MAT 8213

82-Pb-200

(n,2n)  
Radionuclide Production Cross Section



93

Incident Energy (MeV)

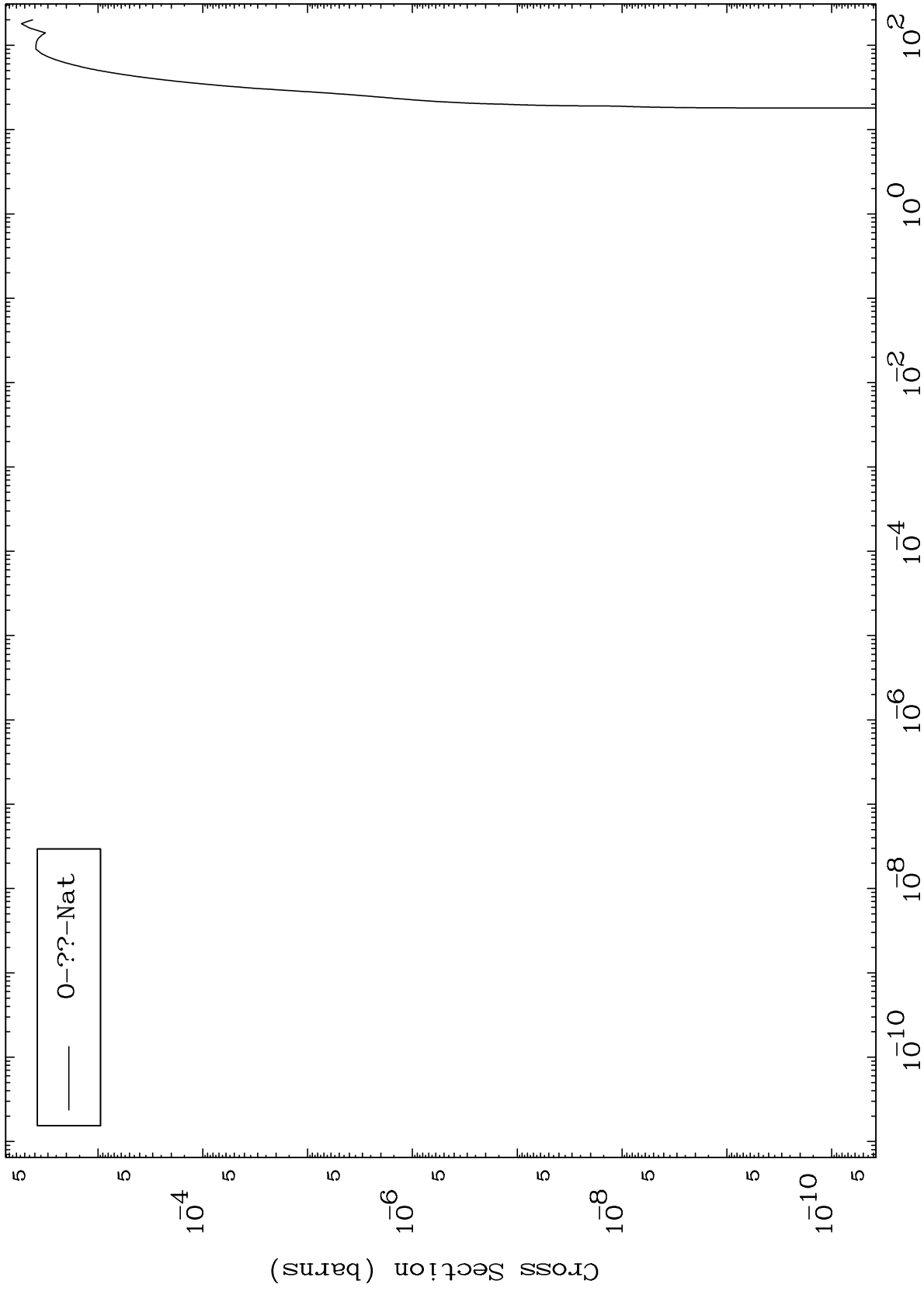
82-Pb-200

MAT 8213

Fission

82-Pb-200

Radionuclide Production Cross Section



94

Incident Energy (MeV)

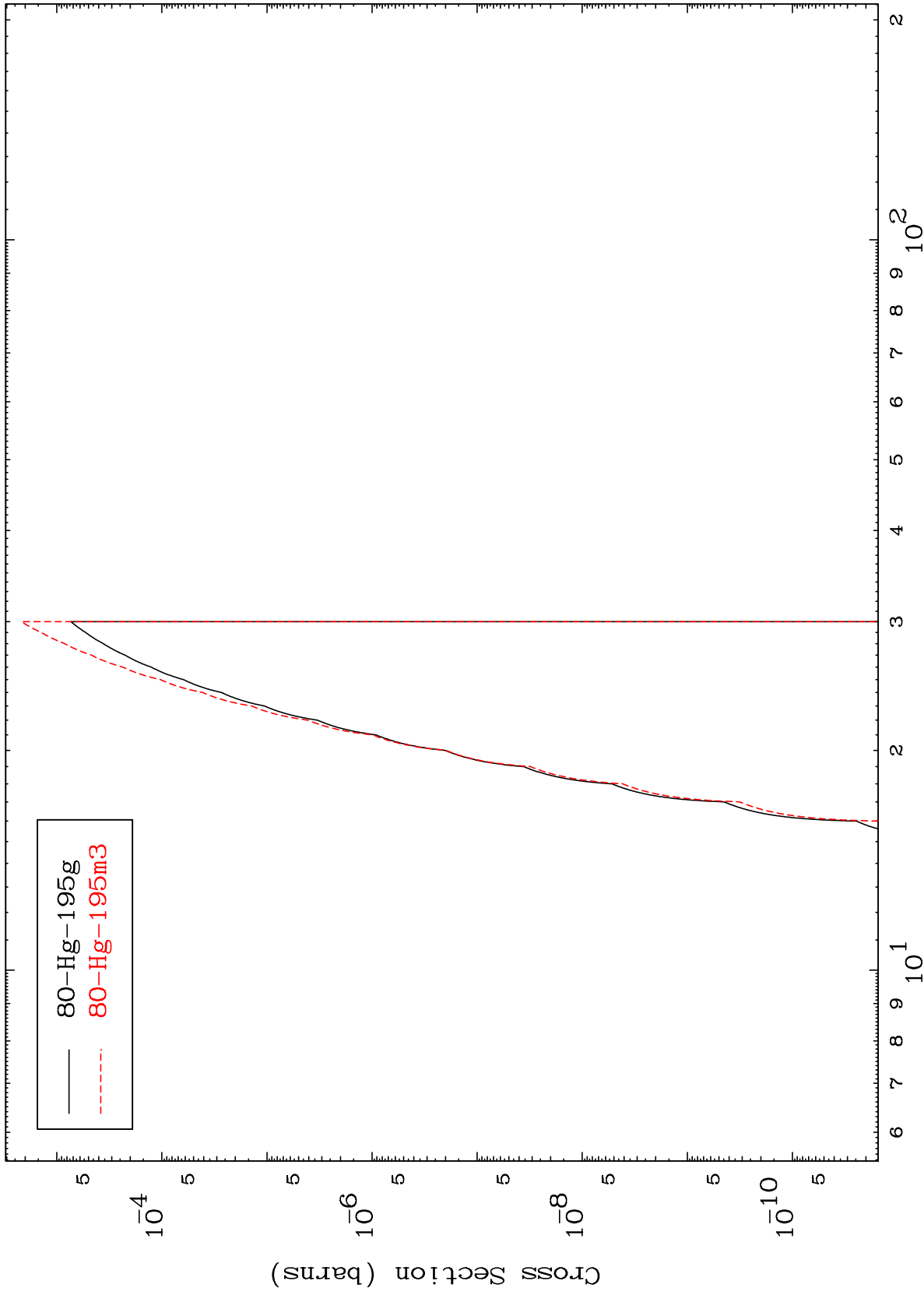
82-Pb-200

MAT 8213

$(n, 2n) \alpha$

82-Pb-200

Radionuclide Production Cross Section



95

Incident Energy (MeV)

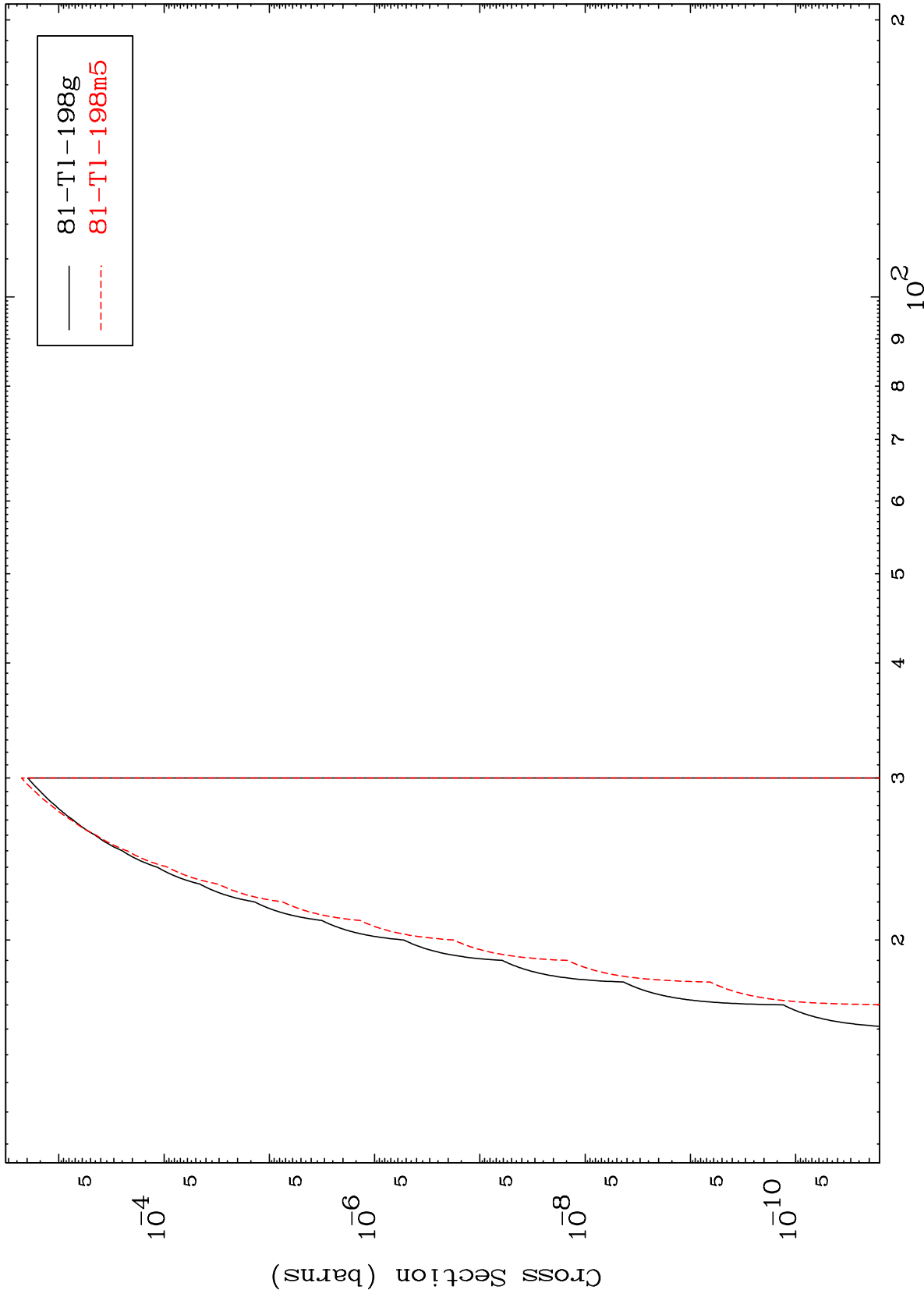
82-Pb-200

MAT 8213

(n, n') d

82-Pb-200

Radionuclide Production Cross Section



96

Incident Energy (MeV)

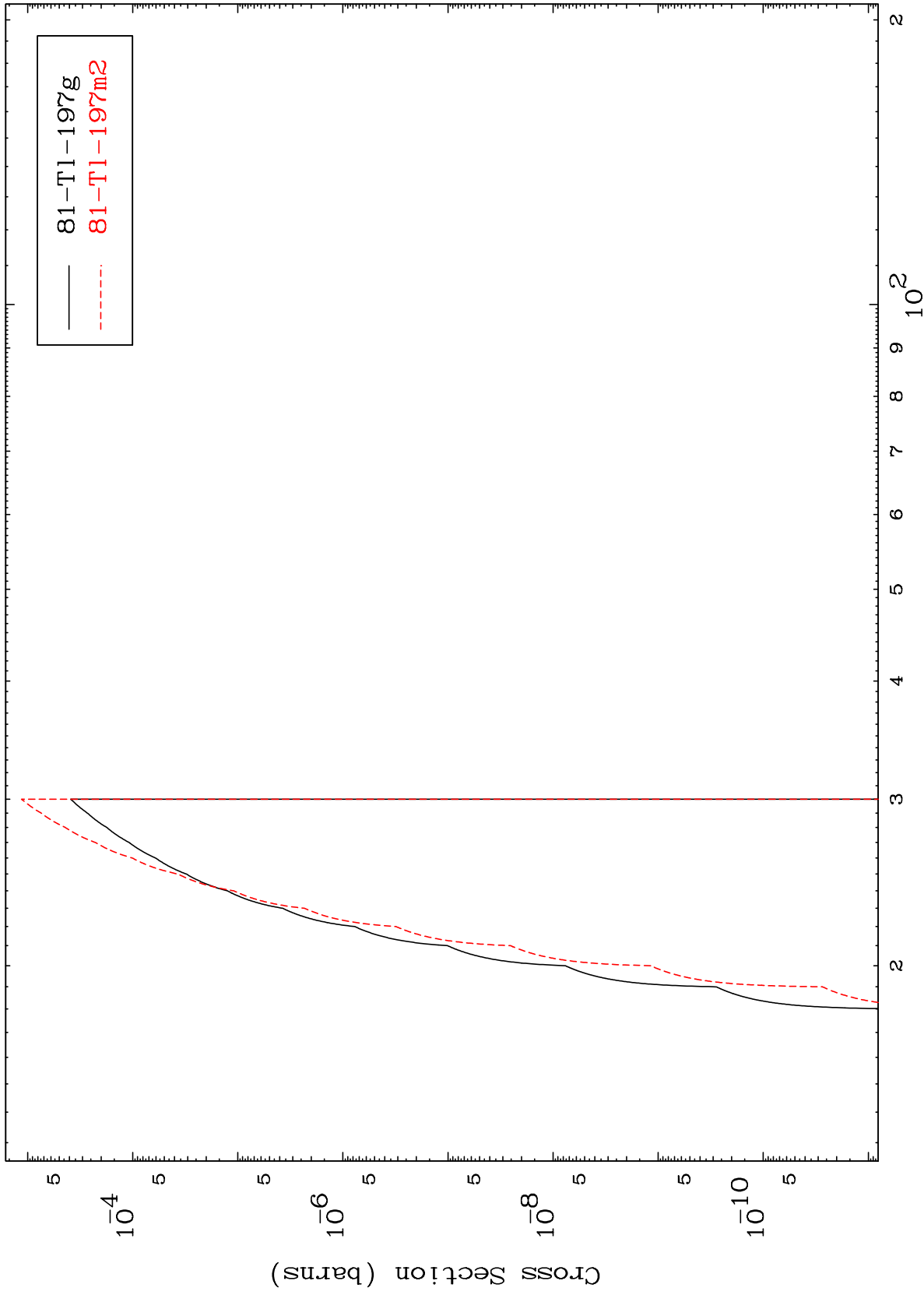
82-Pb-200

MAT 8213

(n,n') t

82-Pb-200

Radionuclide Production Cross Section



97

Incident Energy (MeV)

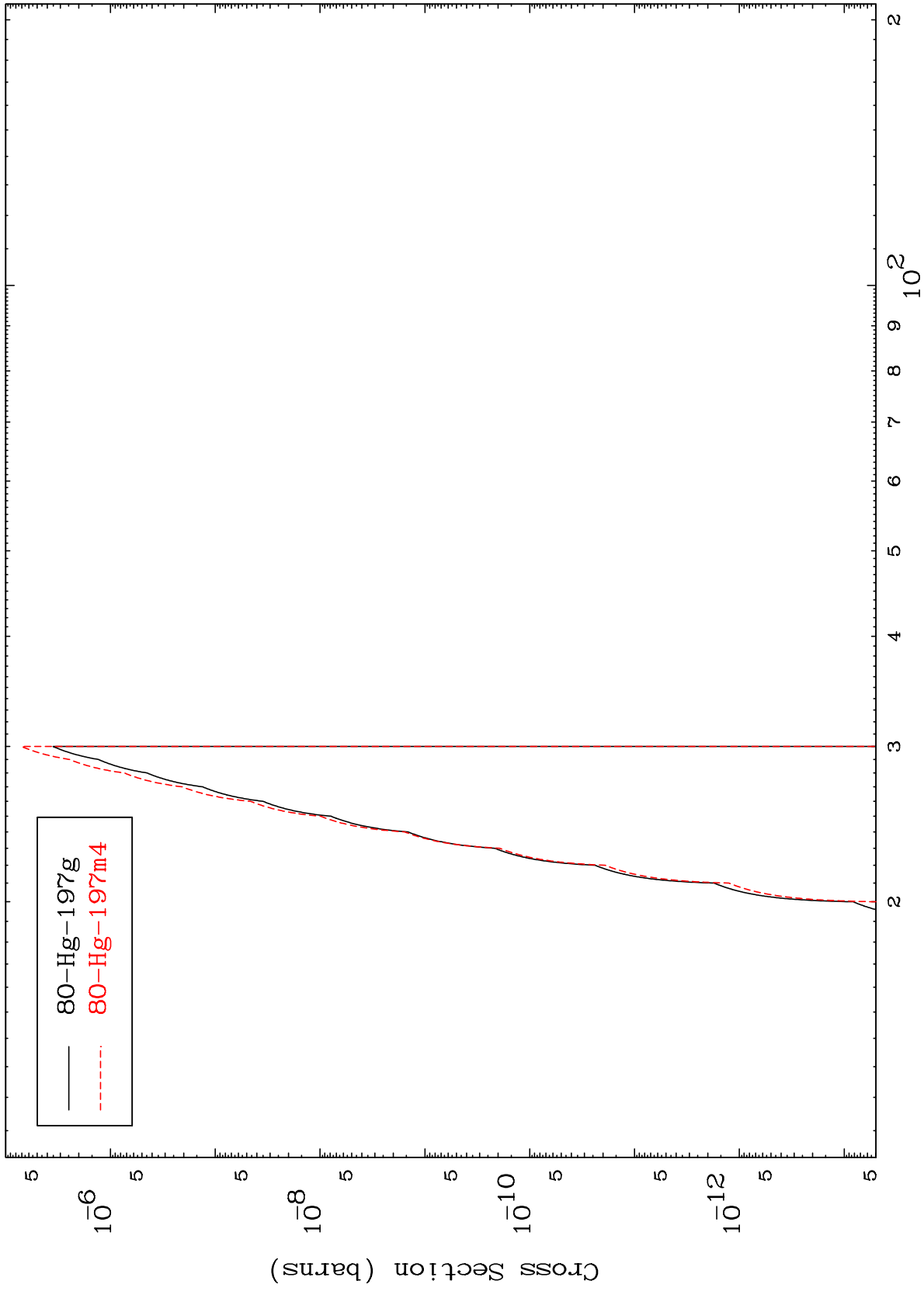
82-Pb-200

MAT 8213

(n, n') He-3

82-Pb-200

Radionuclide Production Cross Section

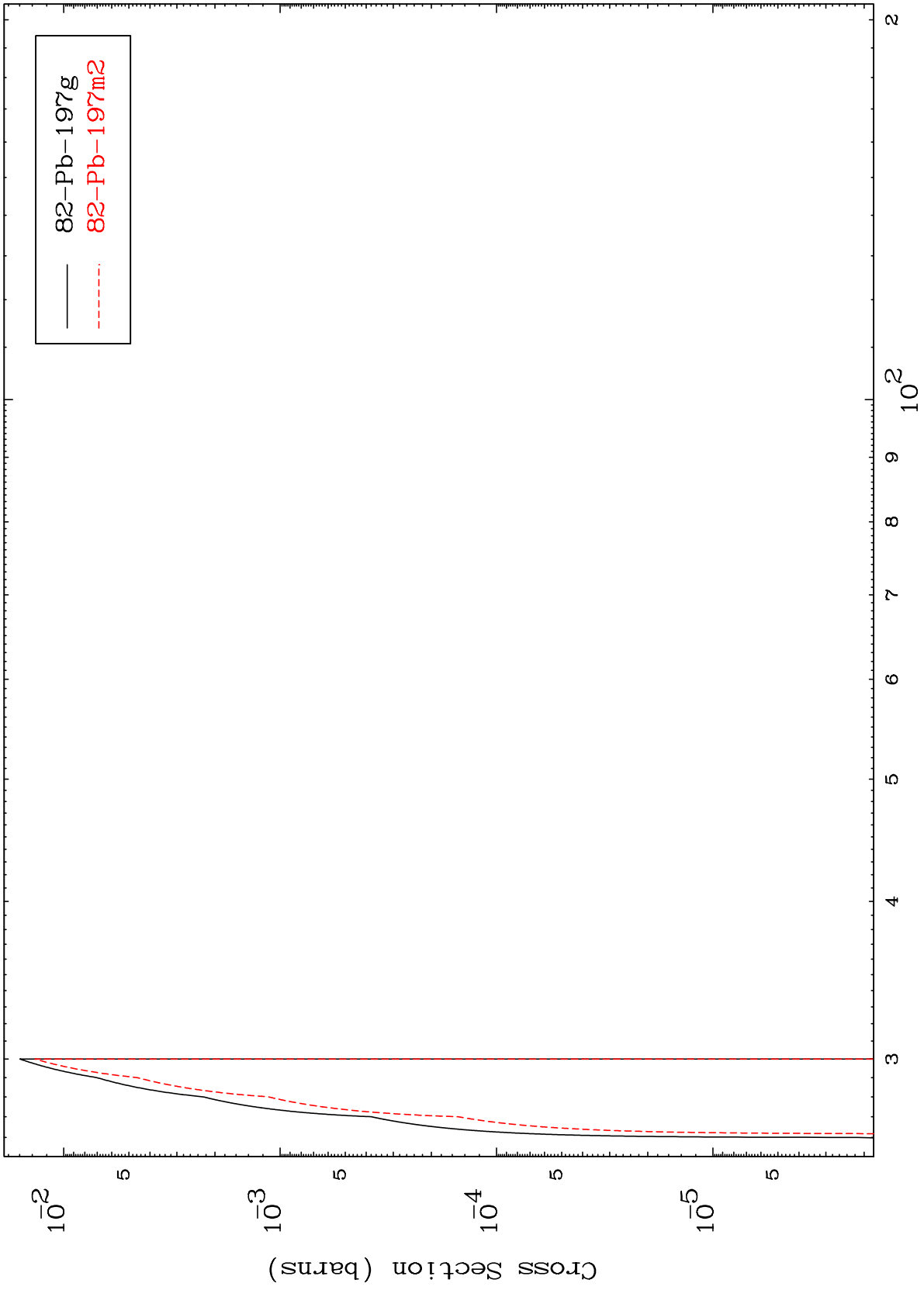


80-Hg-197g  
80-Hg-197m4

MAT 8213

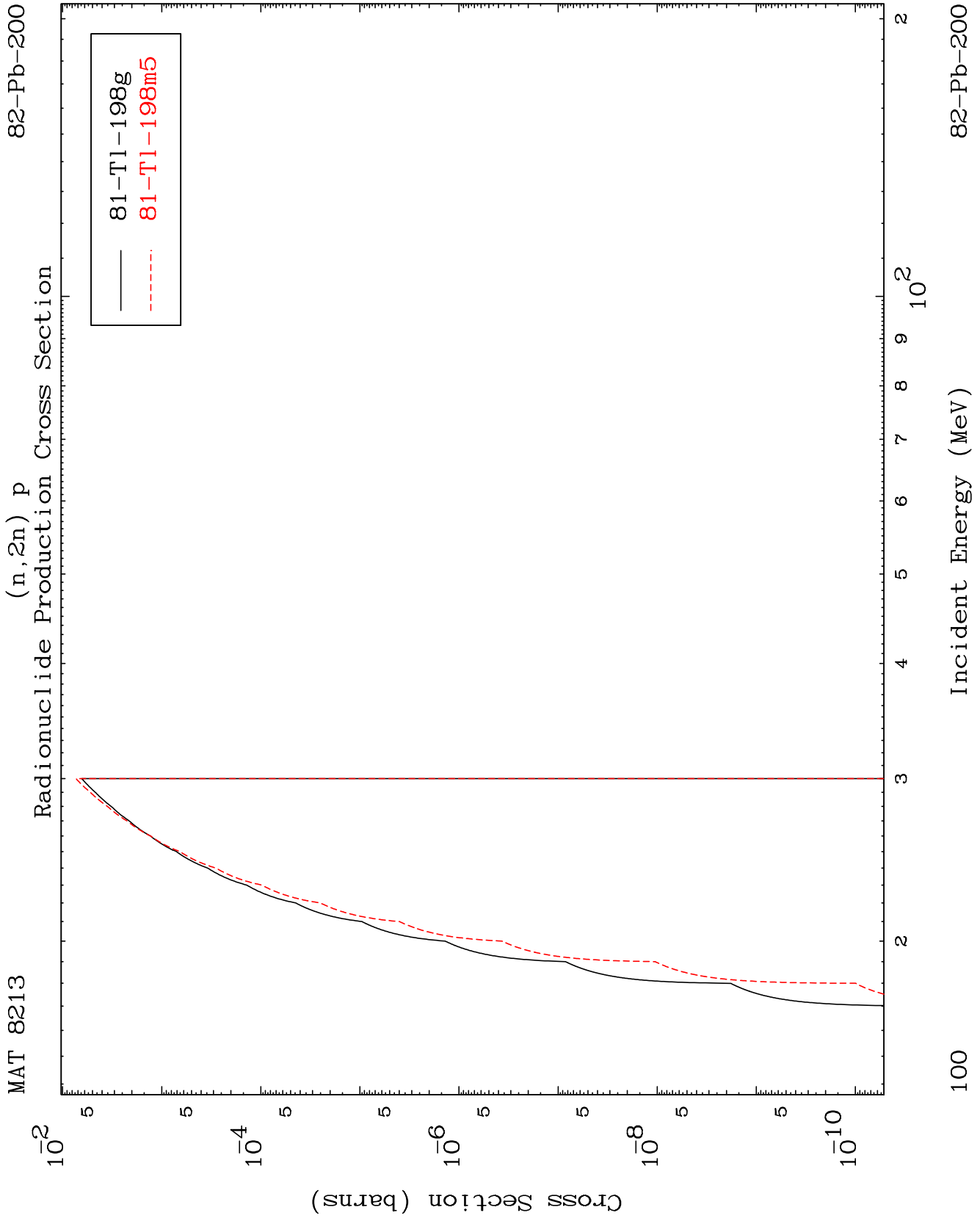
82-Pb-200

(n,4n)  
Radionuclide Production Cross Section



99

82-Pb-200

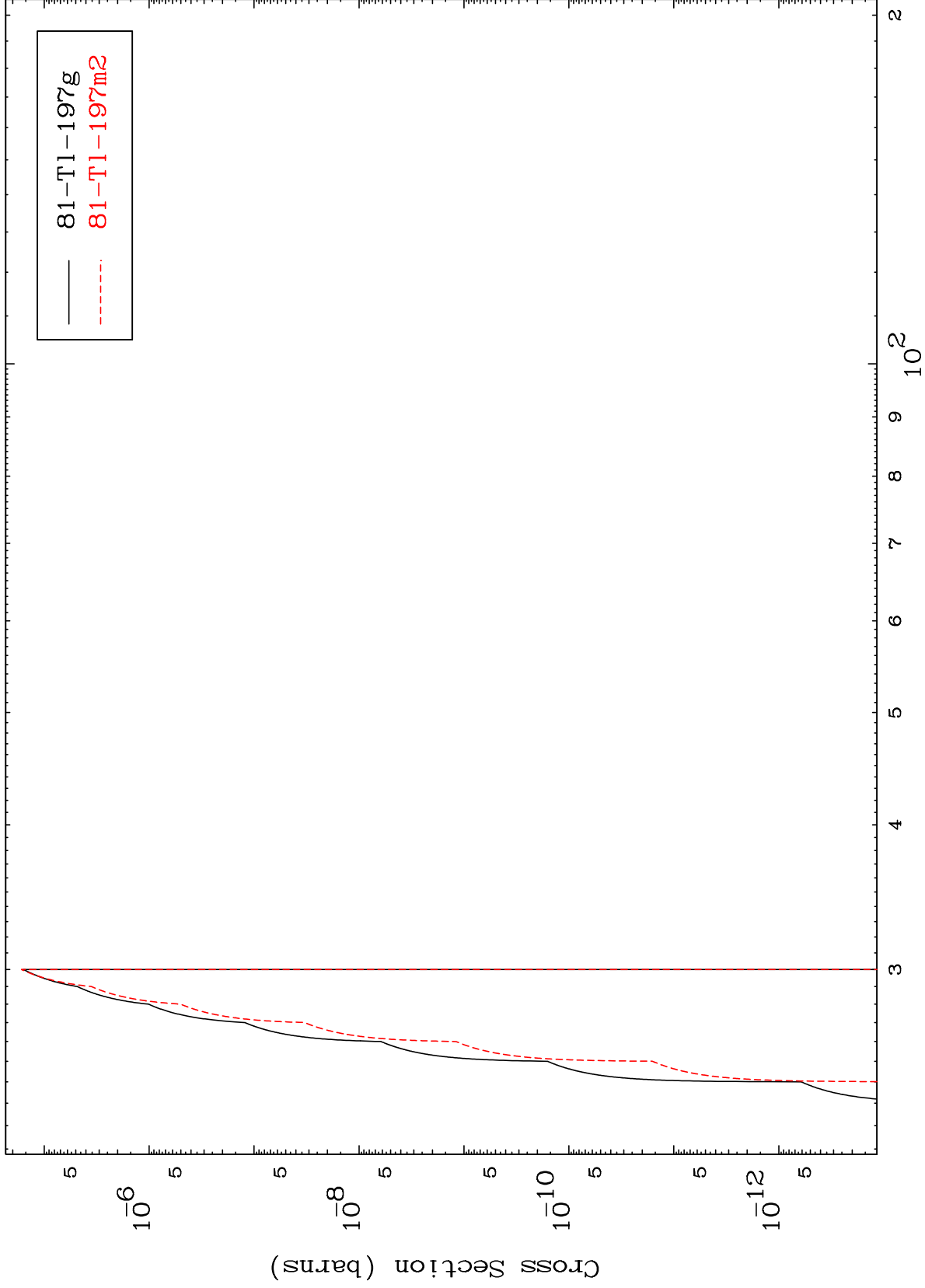


MAT 8213

(n,3n) p

82-Pb-200

Radionuclide Production Cross Section



101

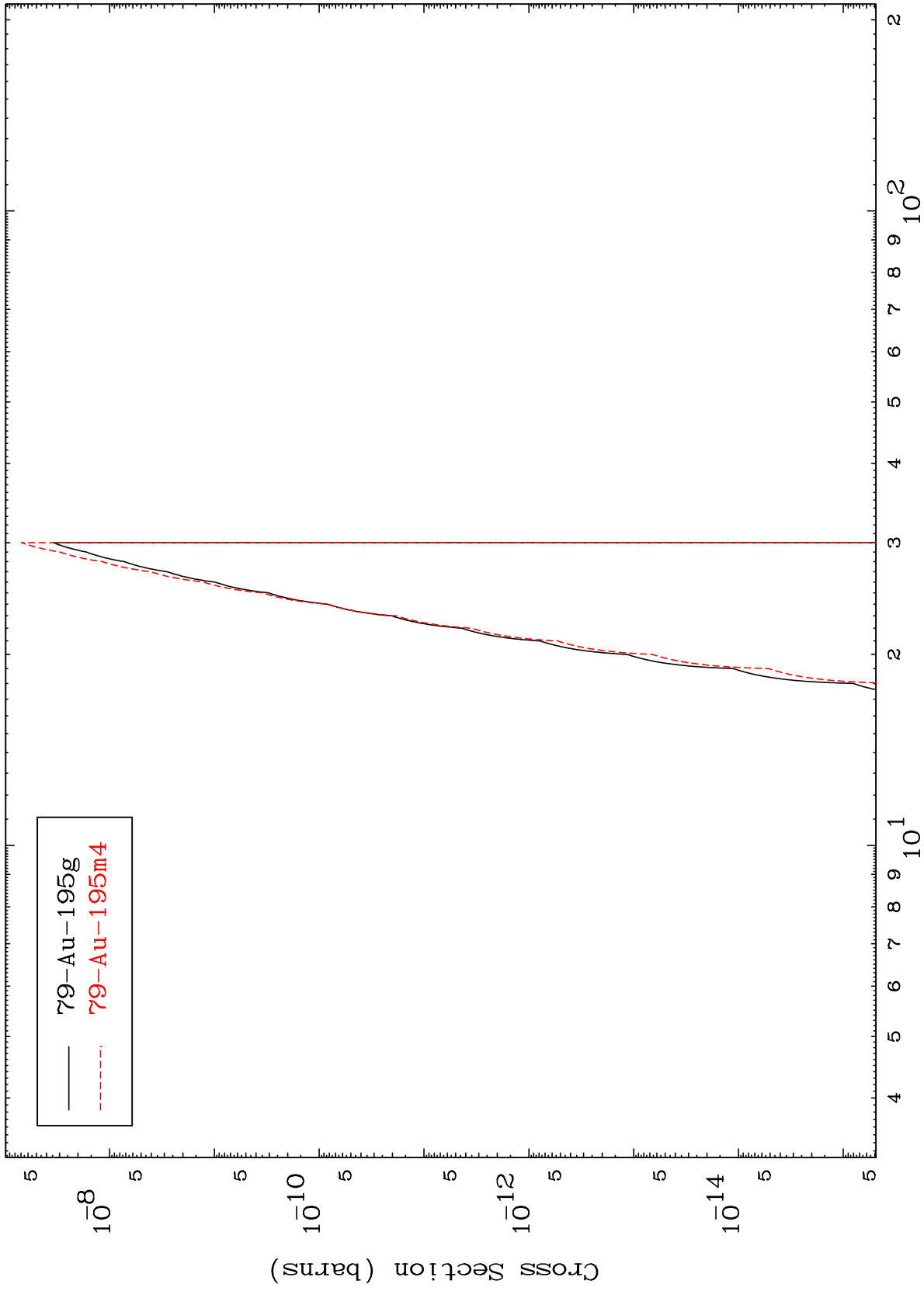
Incident Energy (MeV)

82-Pb-200

MAT 8213

82-Pb-200

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



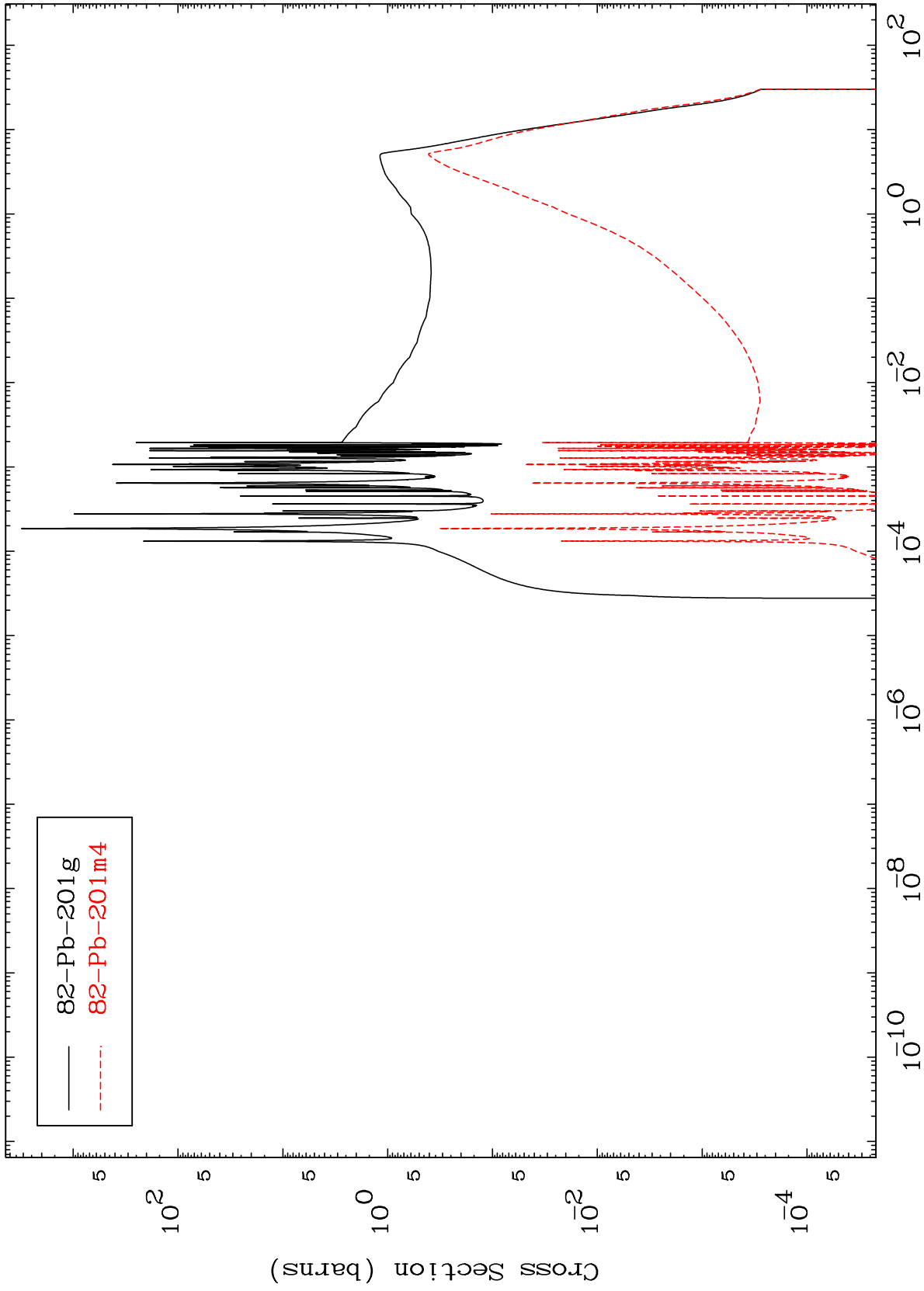
102

82-Pb-200

MAT 8213

82-Pb-200

(n,γ)  
Radionuclide Production Cross Section



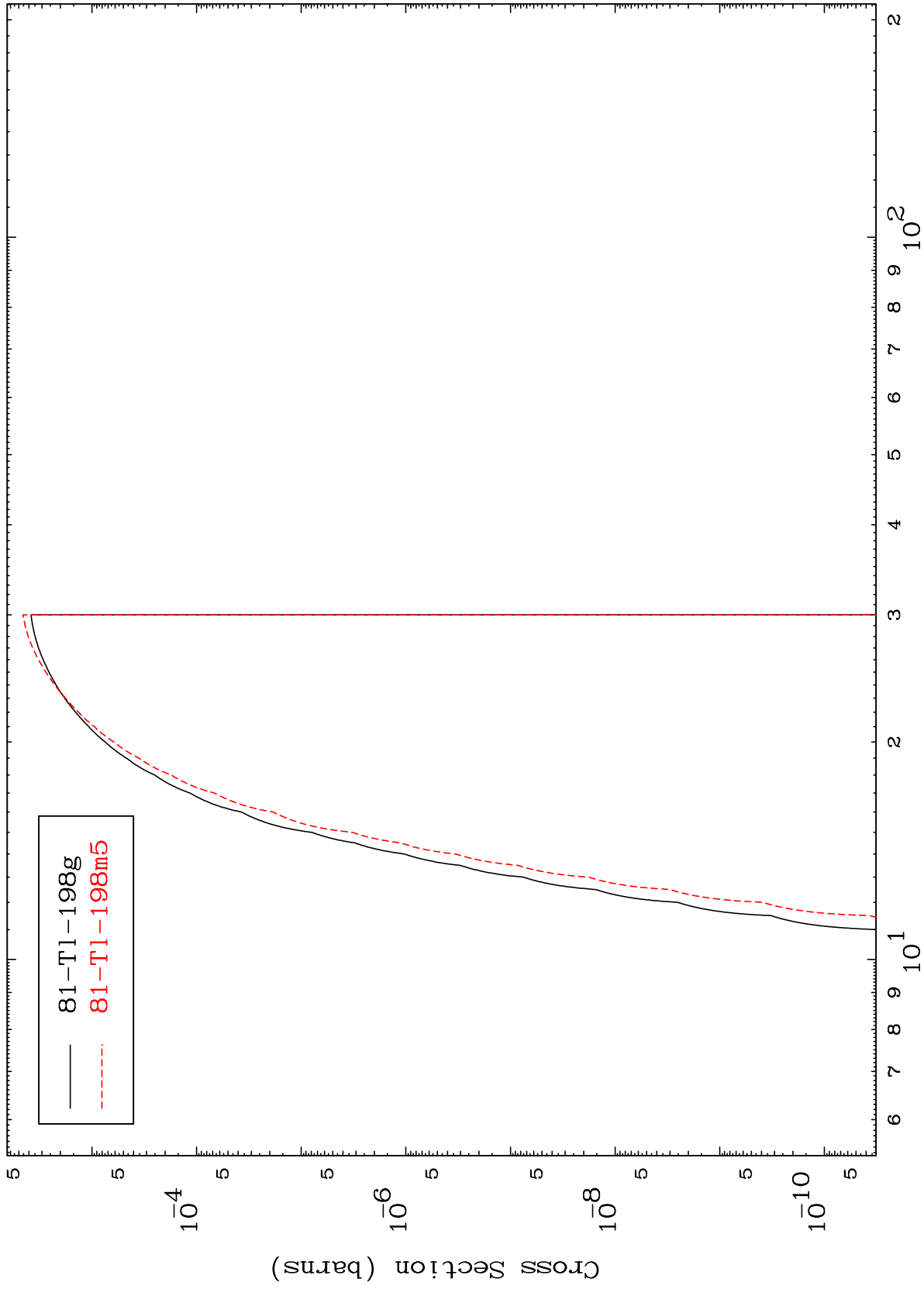
103

82-Pb-200

MAT 8213

82-Pb-200

(n, t)  
Radionuclide Production Cross Section



81-Tl-198g  
81-Tl-198m5

104

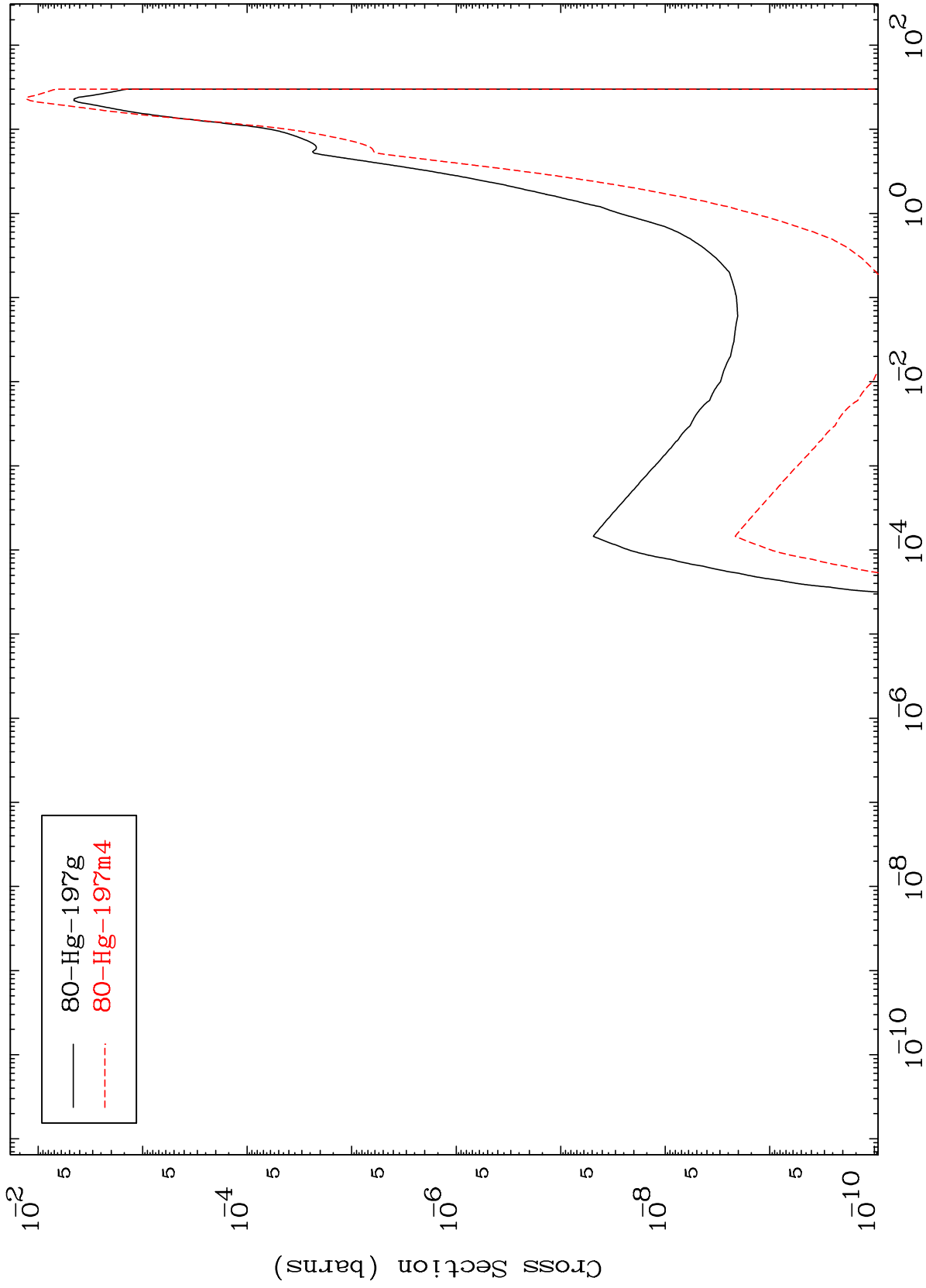
82-Pb-200

MAT 8213

(n,  $\alpha$ )

82-Pb-200

Radionuclide Production Cross Section



105

Incident Energy (MeV)

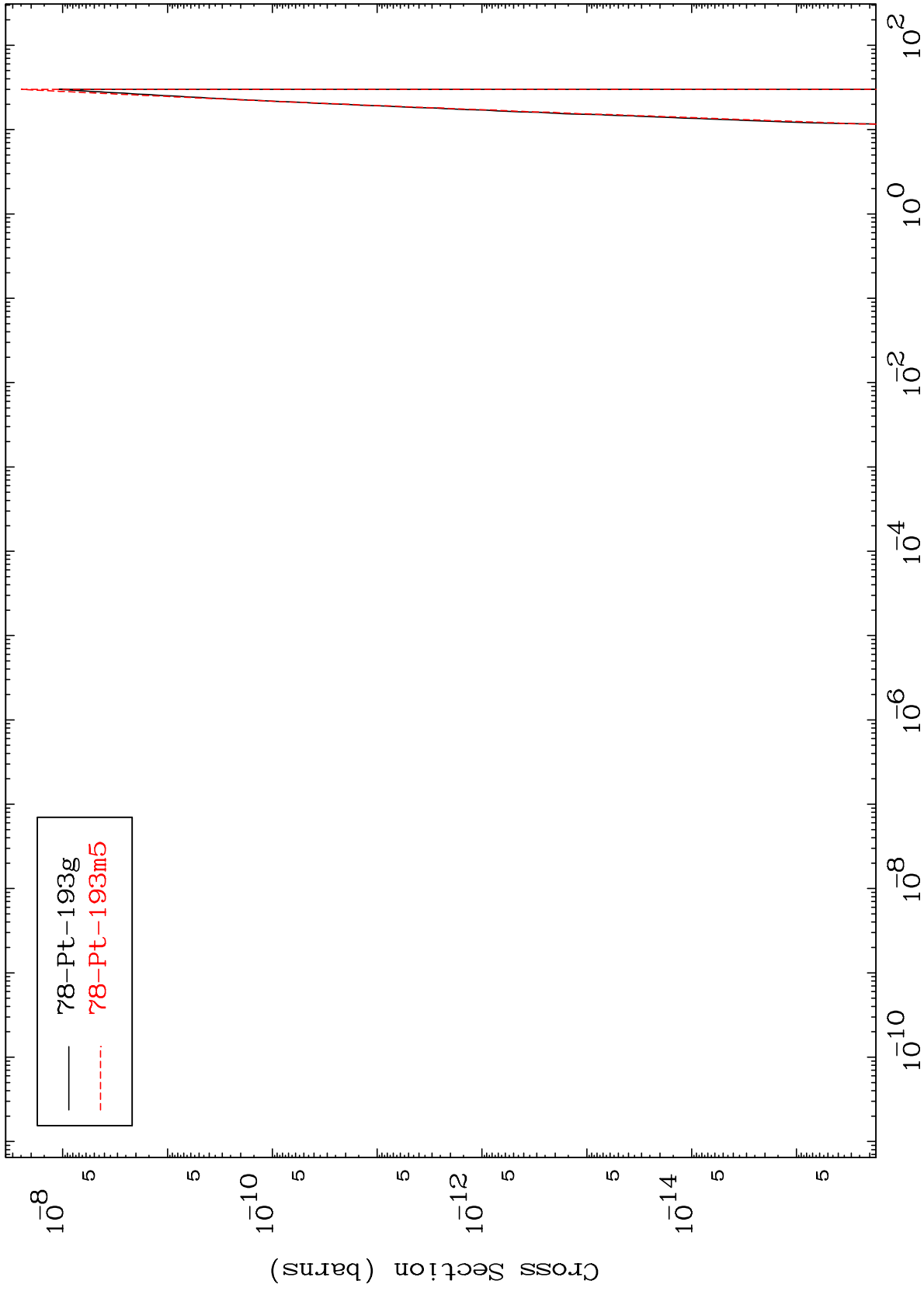
82-Pb-200

MAT 8213

(n,2α)

82-Pb-200

Radionuclide Production Cross Section



106

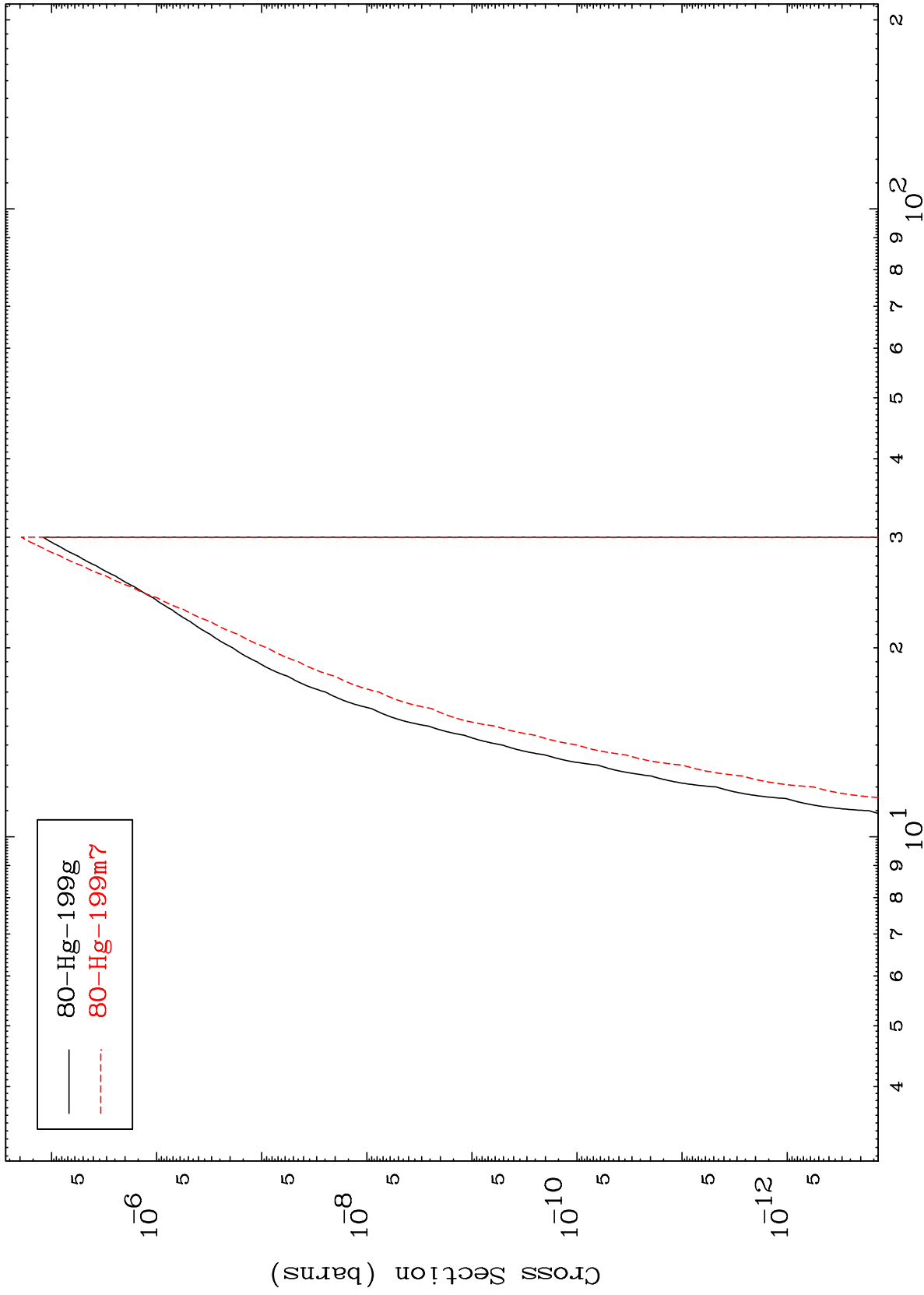
Incident Energy (MeV)

82-Pb-200

MAT 8213

82-Pb-200

(n,2p)  
Radionuclide Production Cross Section



107

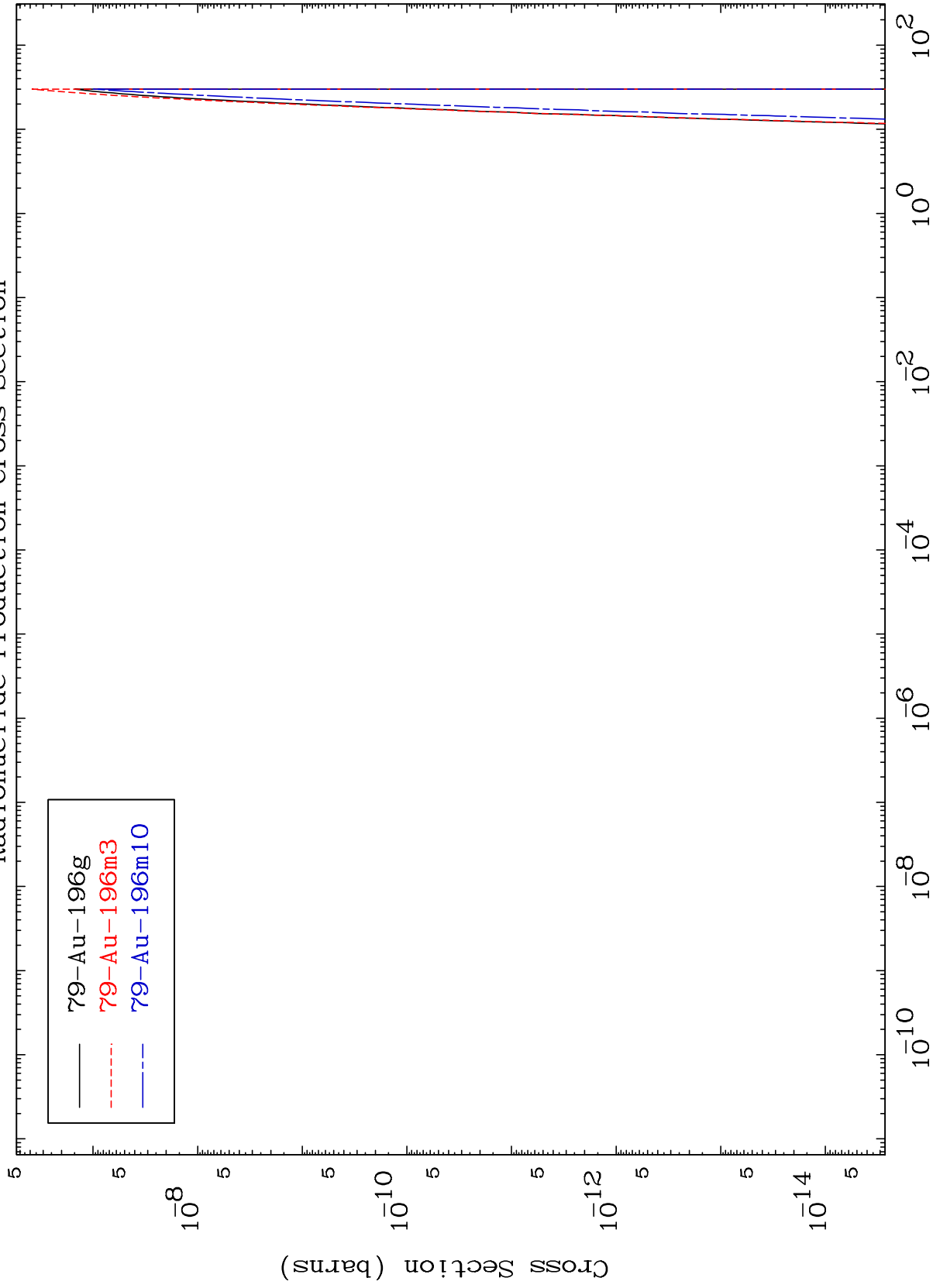
82-Pb-200

MAT 8213

(n,p)  $\alpha$

82-Pb-200

Radionuclide Production Cross Section



108

Incident Energy (MeV)

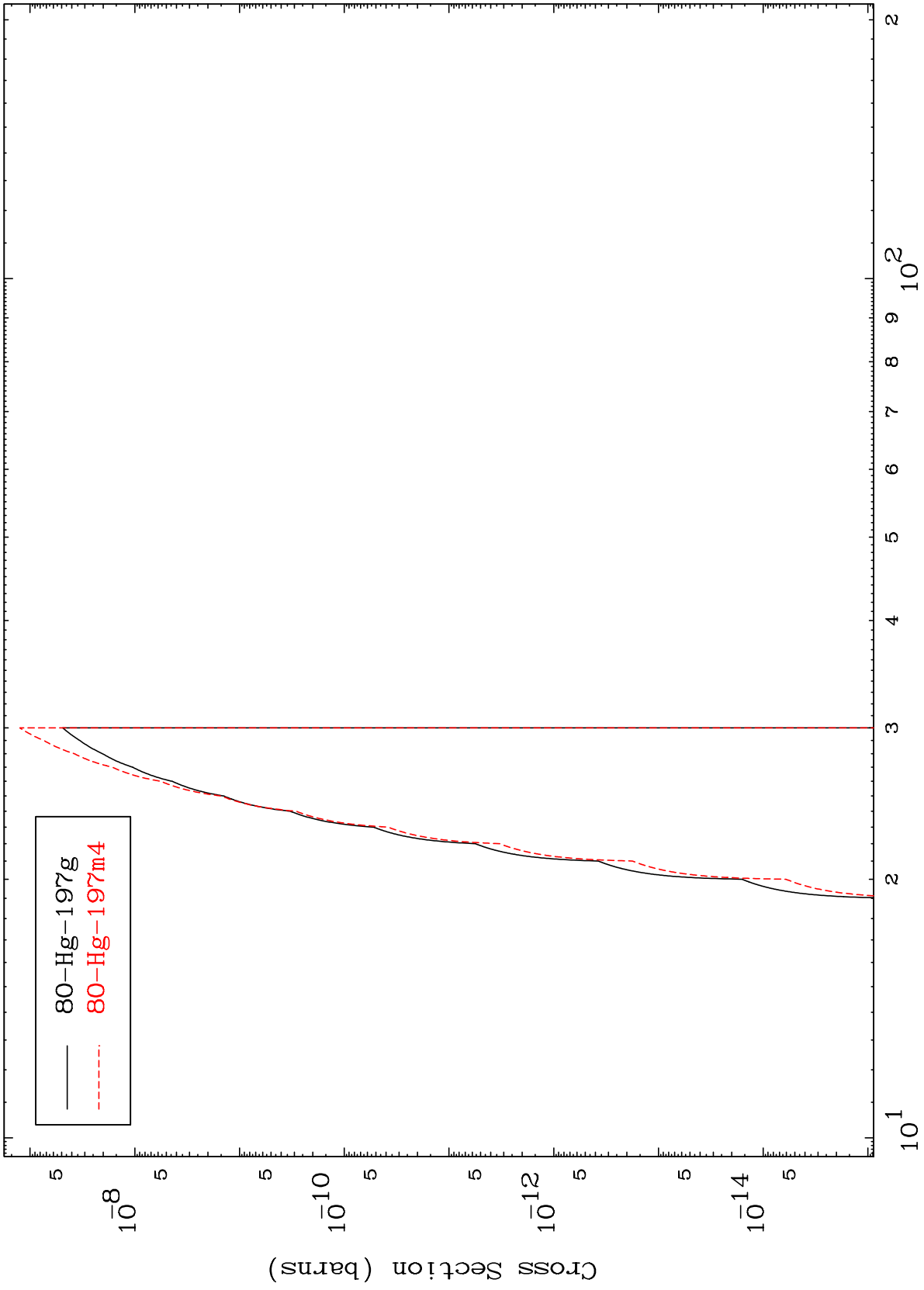
82-Pb-200

MAT 8213

(n,p) t

82-Pb-200

Radionuclide Production Cross Section



Incident Energy (MeV)

82-Pb-200

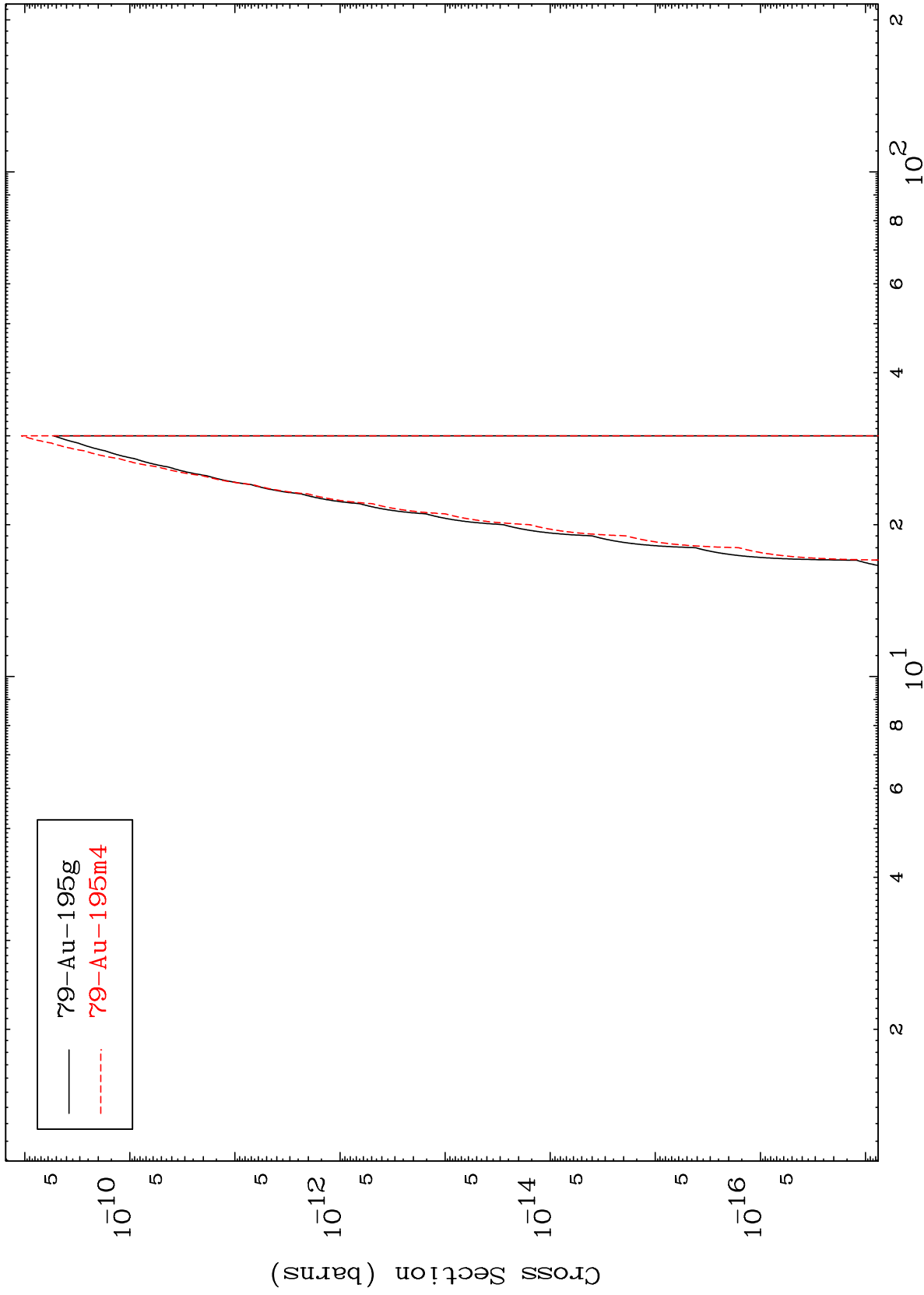
109

MAT 8213

$(n, d) \alpha$

82-Pb-200

Radionuclide Production Cross Section



110

Incident Energy (MeV)

82-Pb-200