

Program EVALPLOT  
(Version 2018-1)

by

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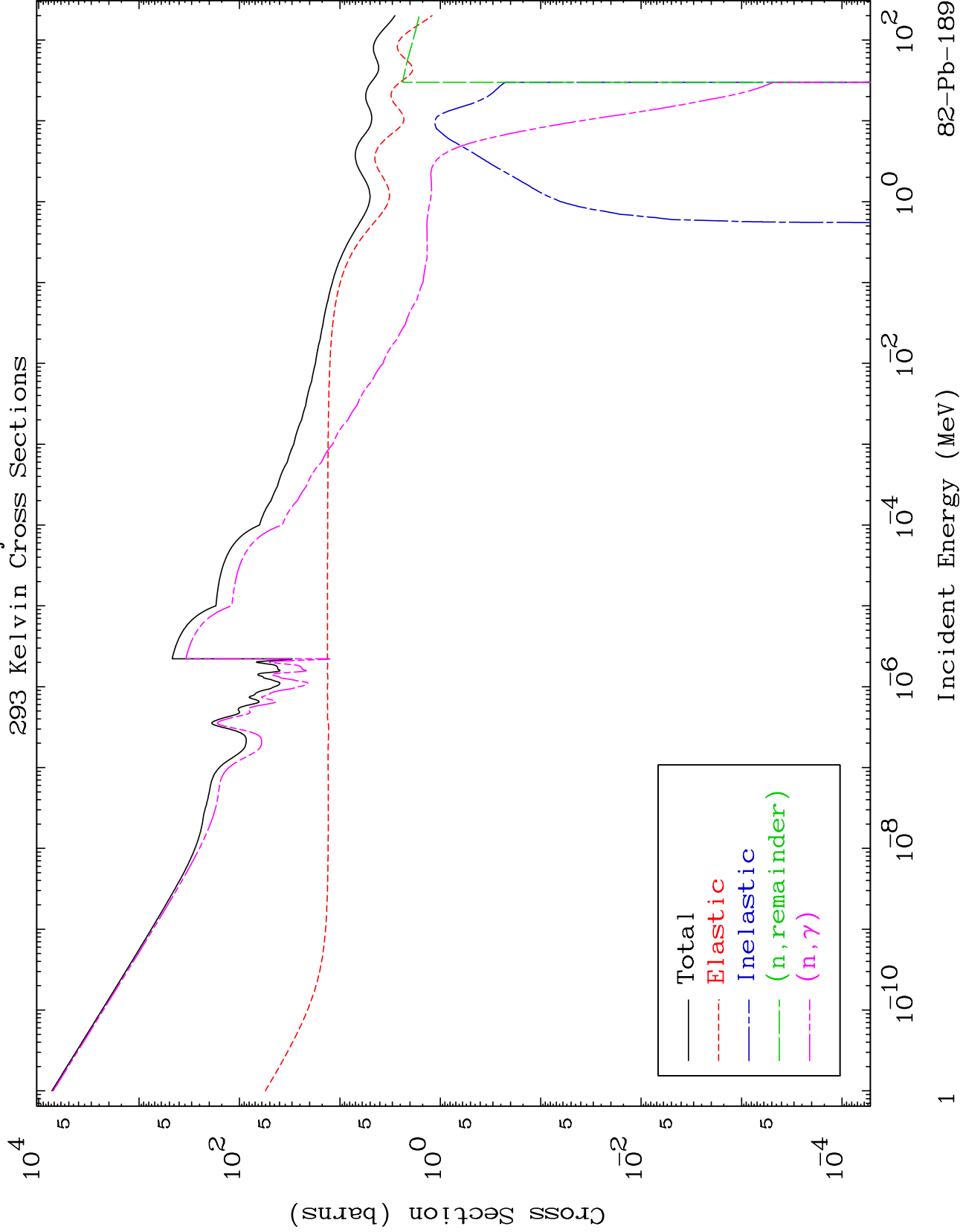
Press Mouse Button to Start

MAT 8180

Major

293 Kelvin Cross Sections

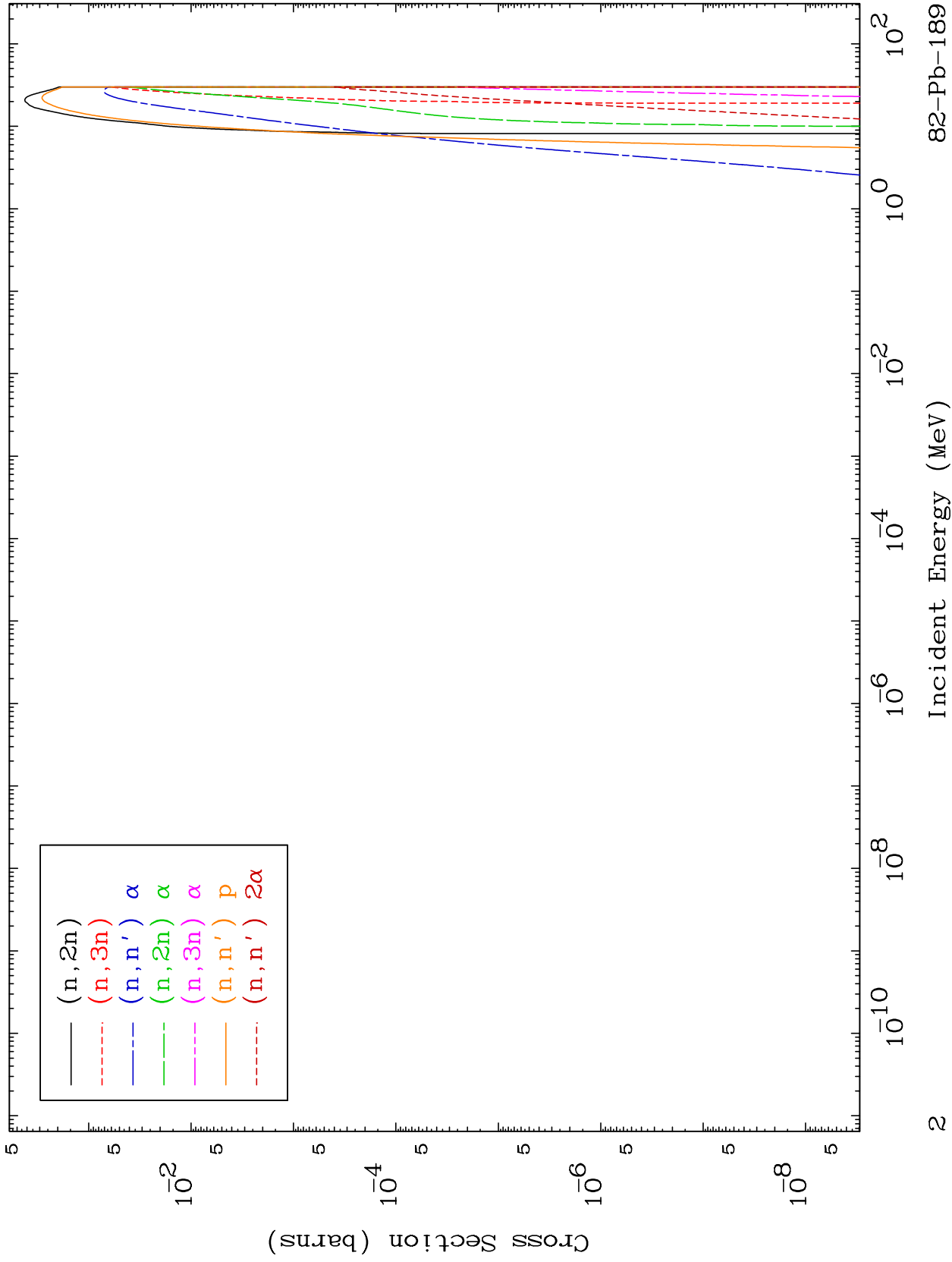
82-Pb-189



MAT 8180

Neutron Production  
293 Kelvin Cross Sections

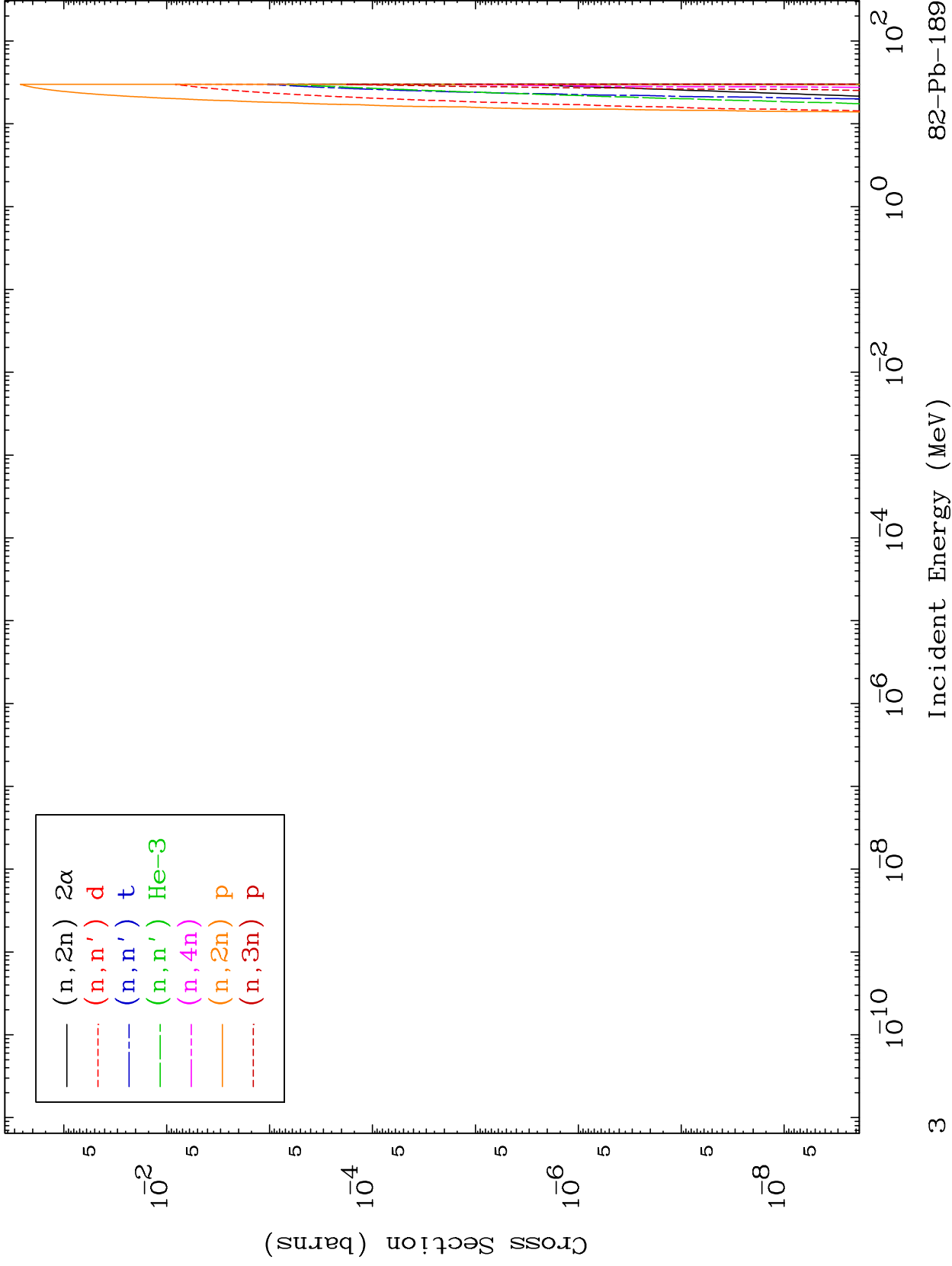
82-Pb-189



MAT 8180

Neutron Production  
293 Kelvin Cross Sections

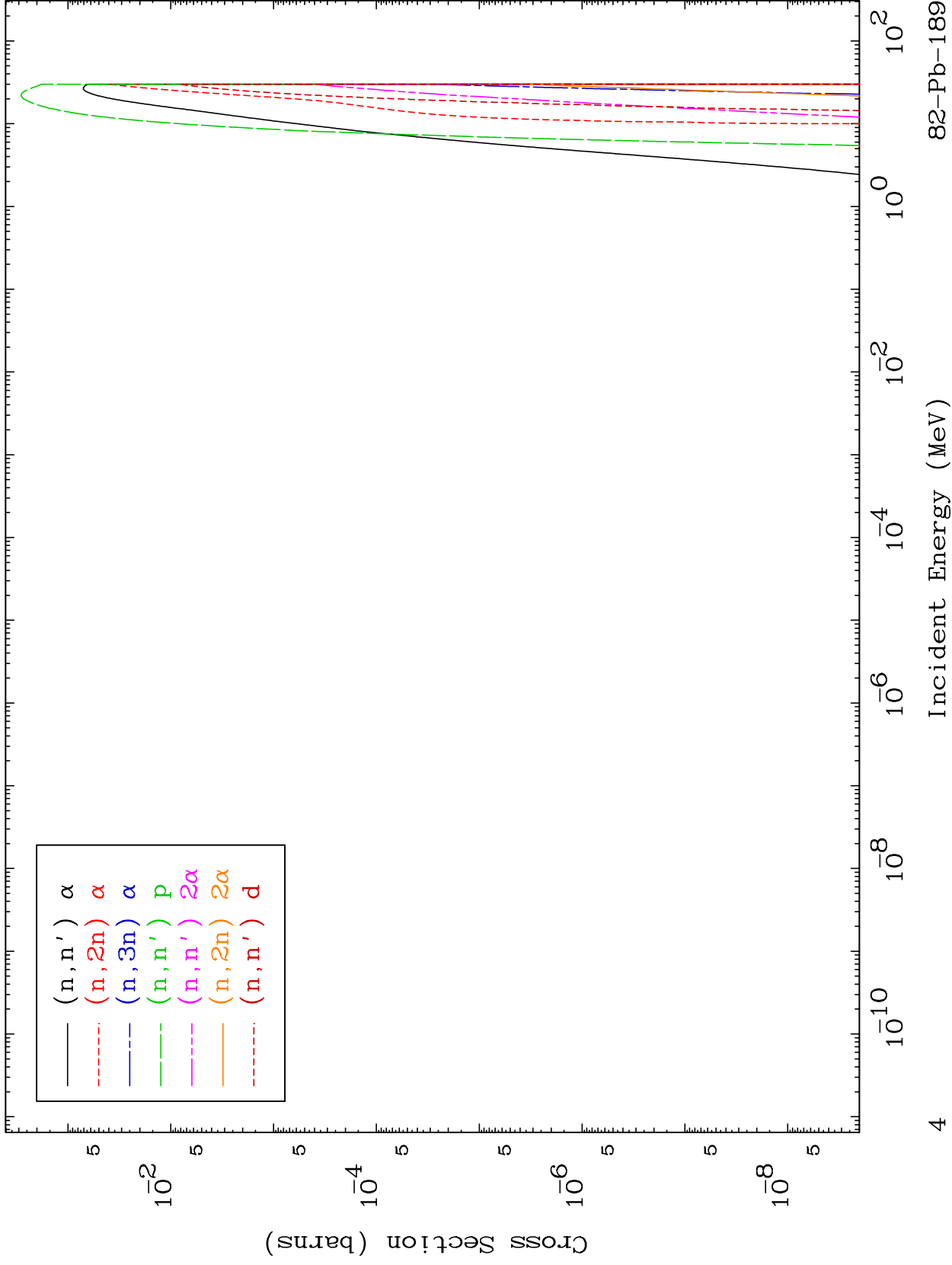
82-Pb-189



MAT 8180

Charged Particle  
293 Kelvin Cross Sections

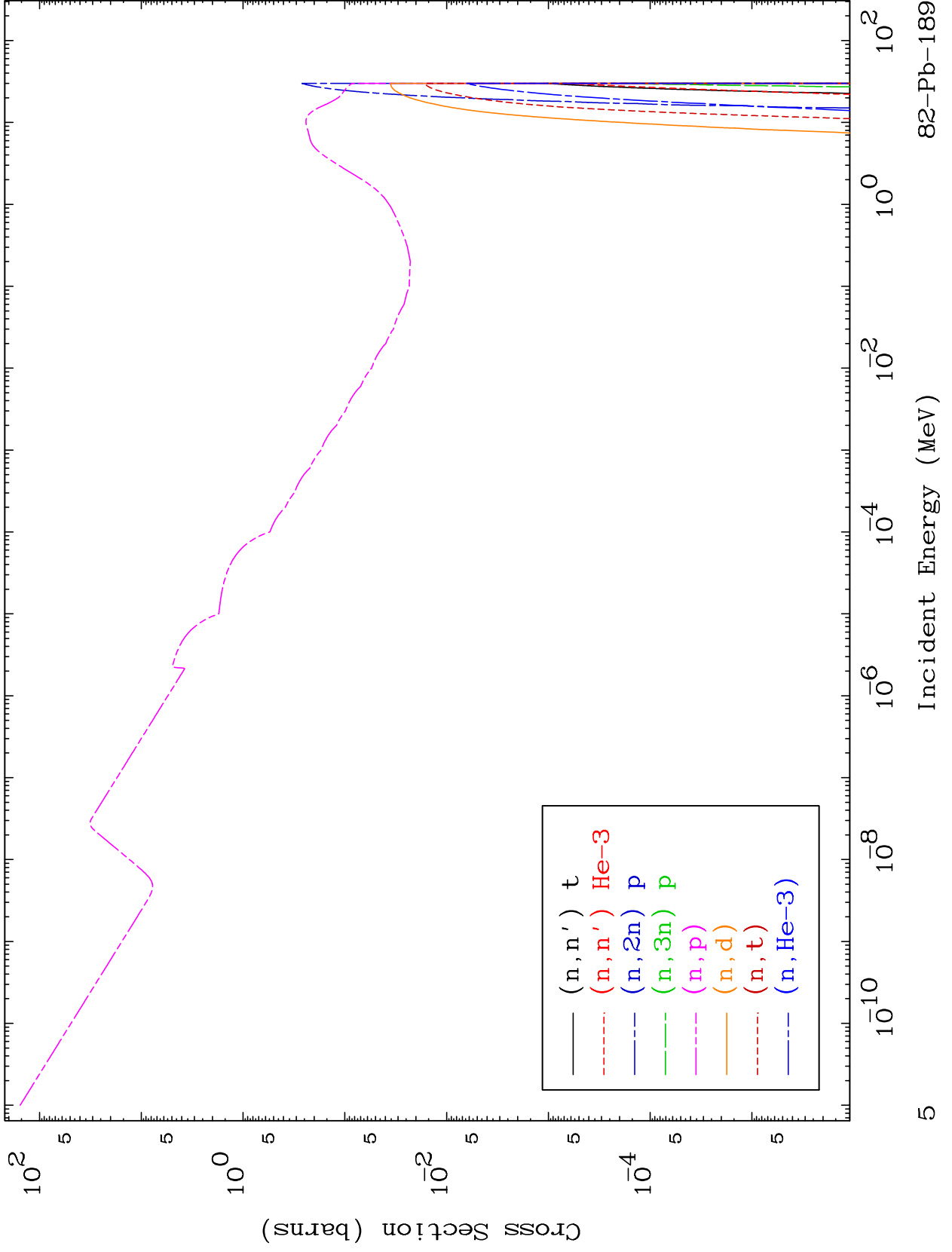
82-Pb-189



MAT 8180

Charged Particle  
293 Kelvin Cross Sections

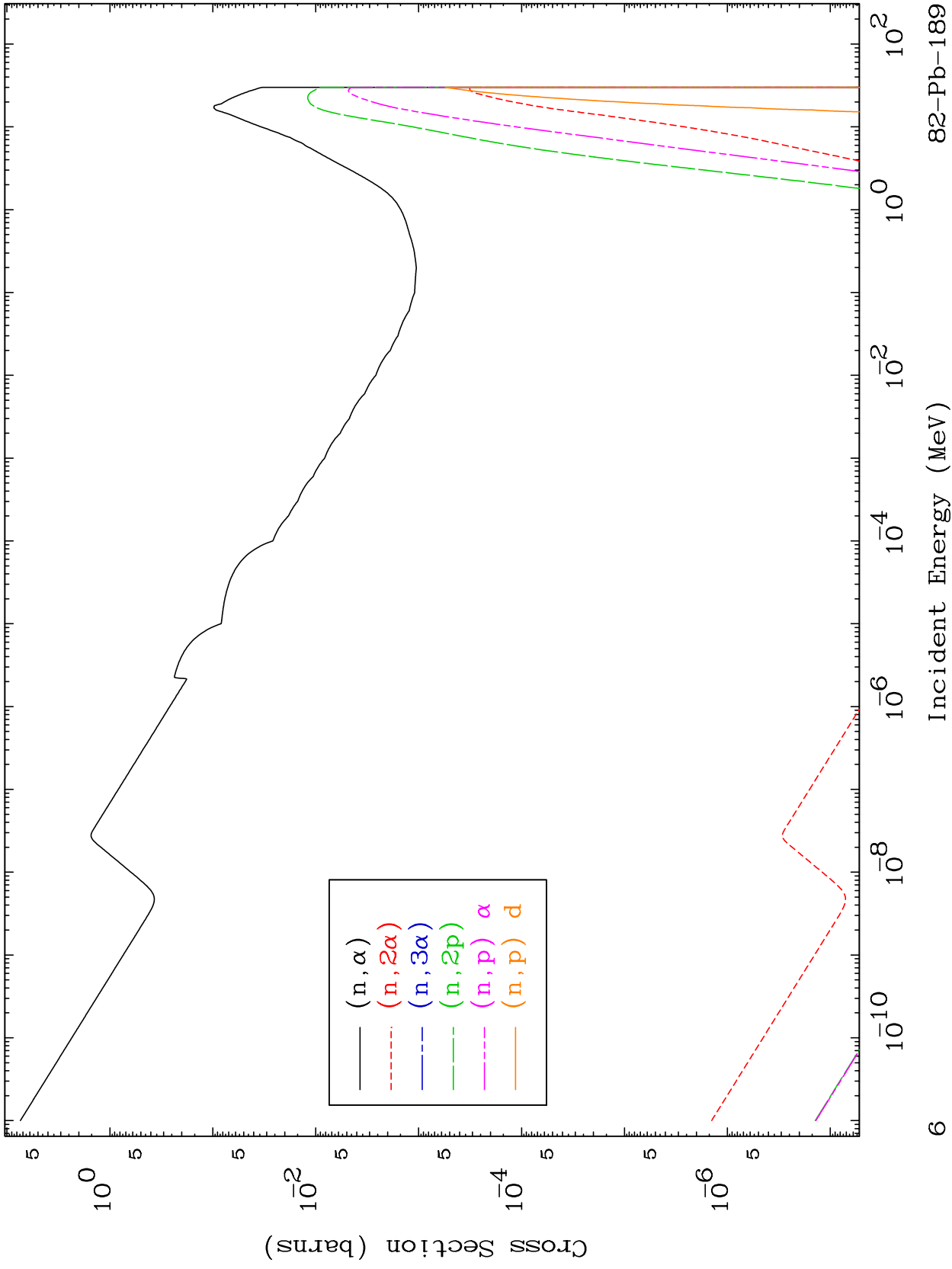
82-Pb-189



MAT 8180

Charged Particle  
293 Kelvin Cross Sections

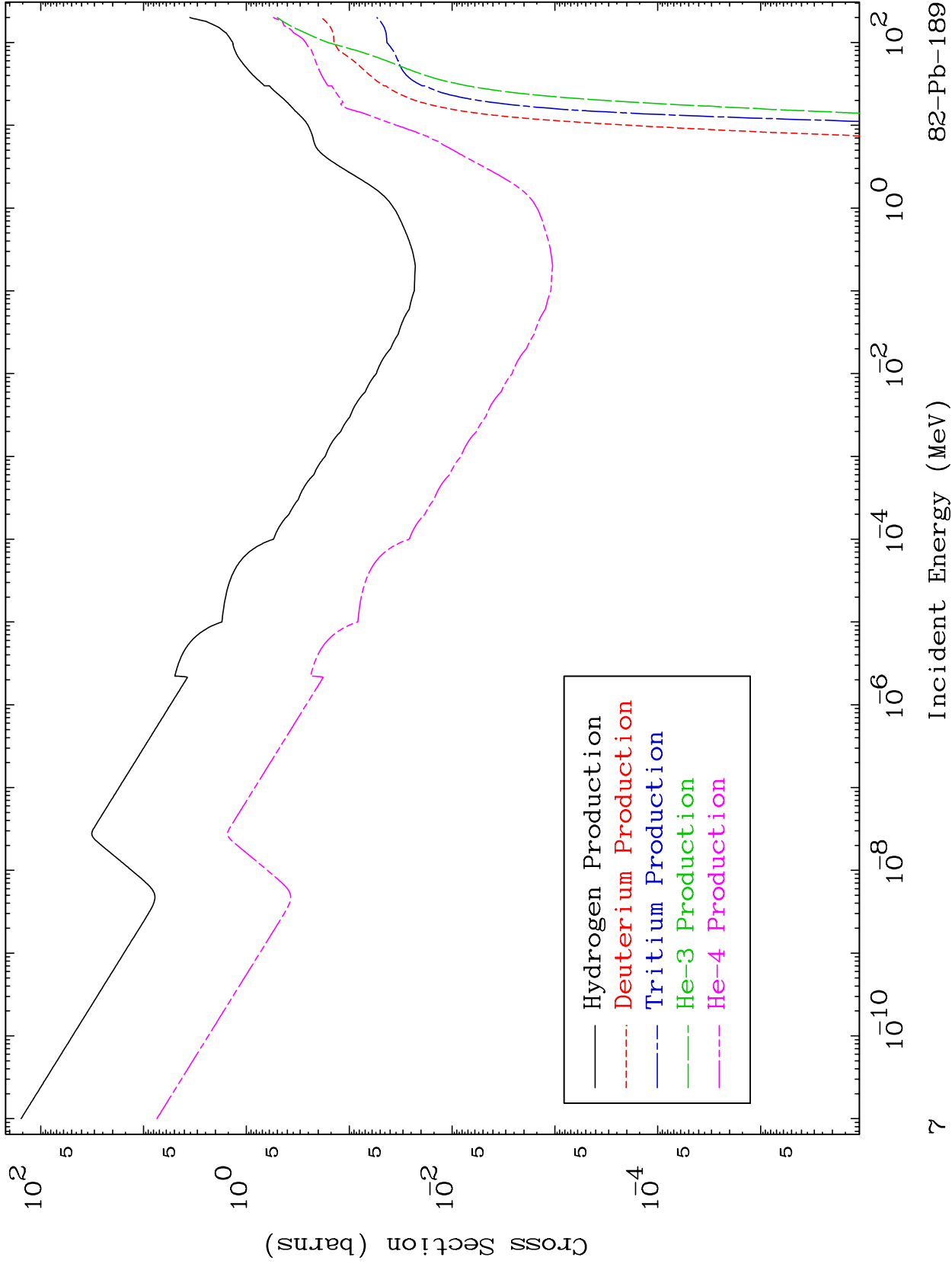
82-Pb-189



MAT 8180

Particle Production  
293 Kelvin Cross Sections

82-Pb-189

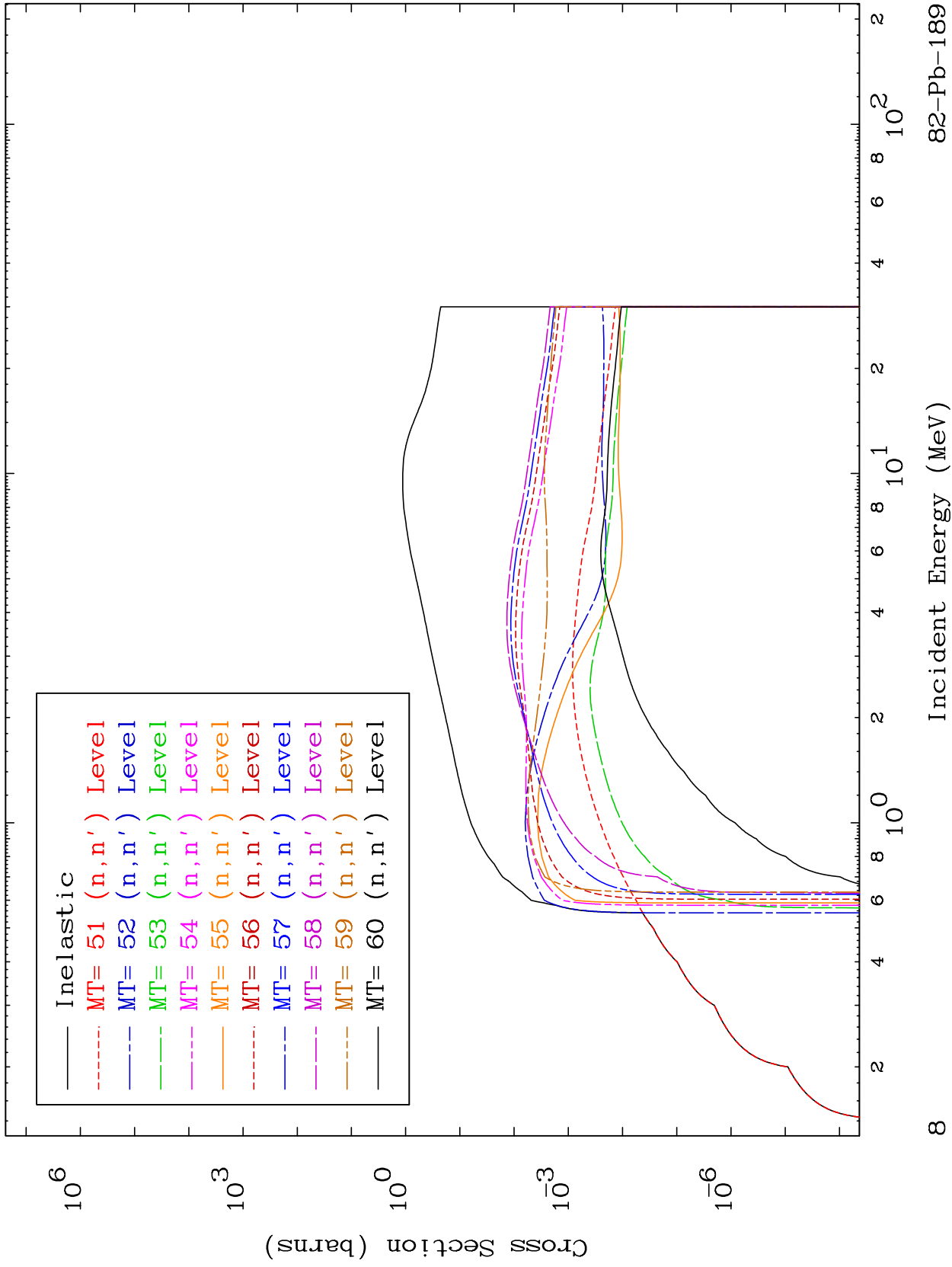




MAT 8180

(n,n') Level  
293 Kelvin Cross Sections

82-Pb-189

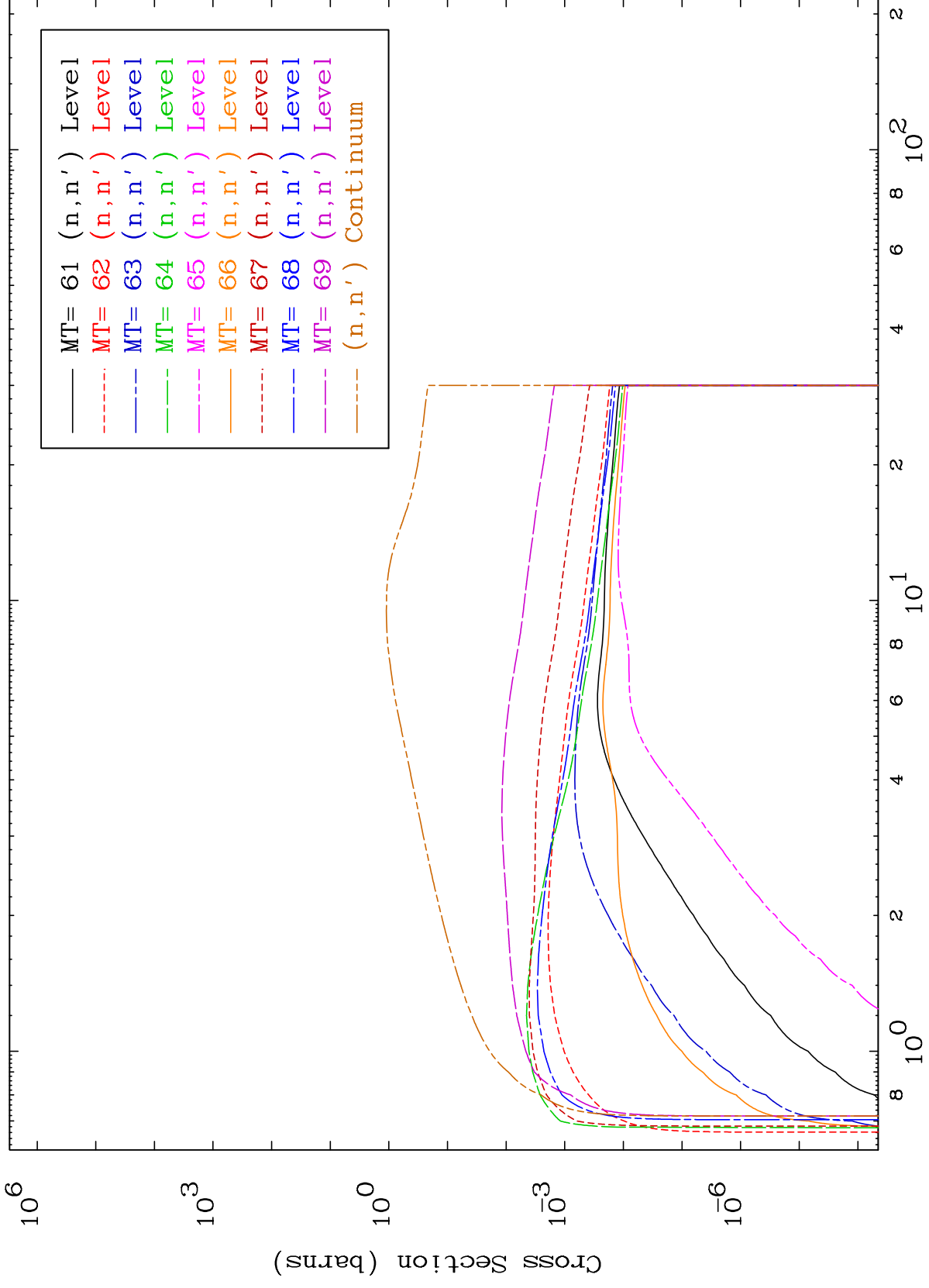


MAT 8180

(n,n') Level

82-Pb-189

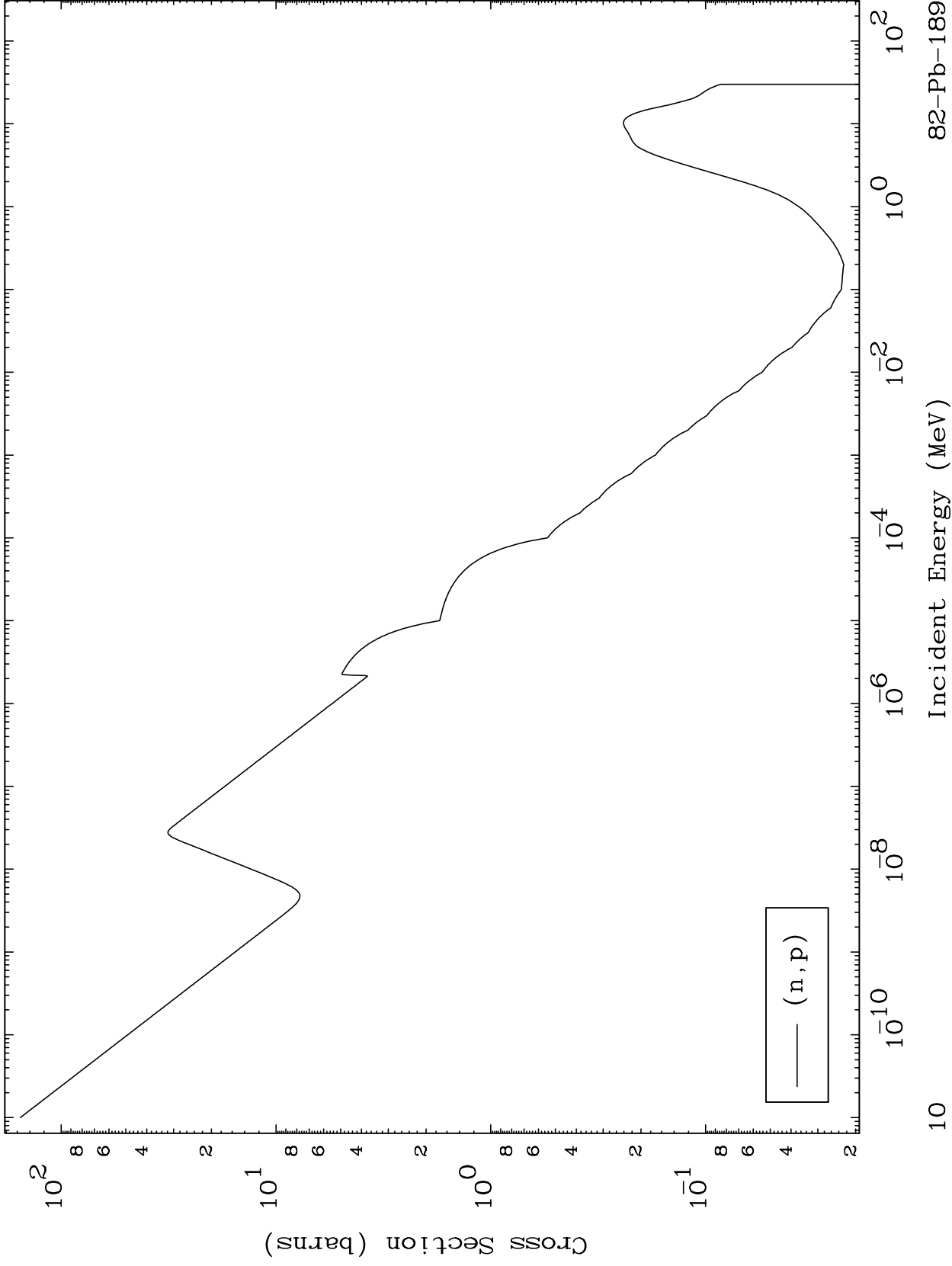
293 Kelvin Cross Sections



MAT 8180

(n,p) Levels  
293 Kelvin Cross Sections

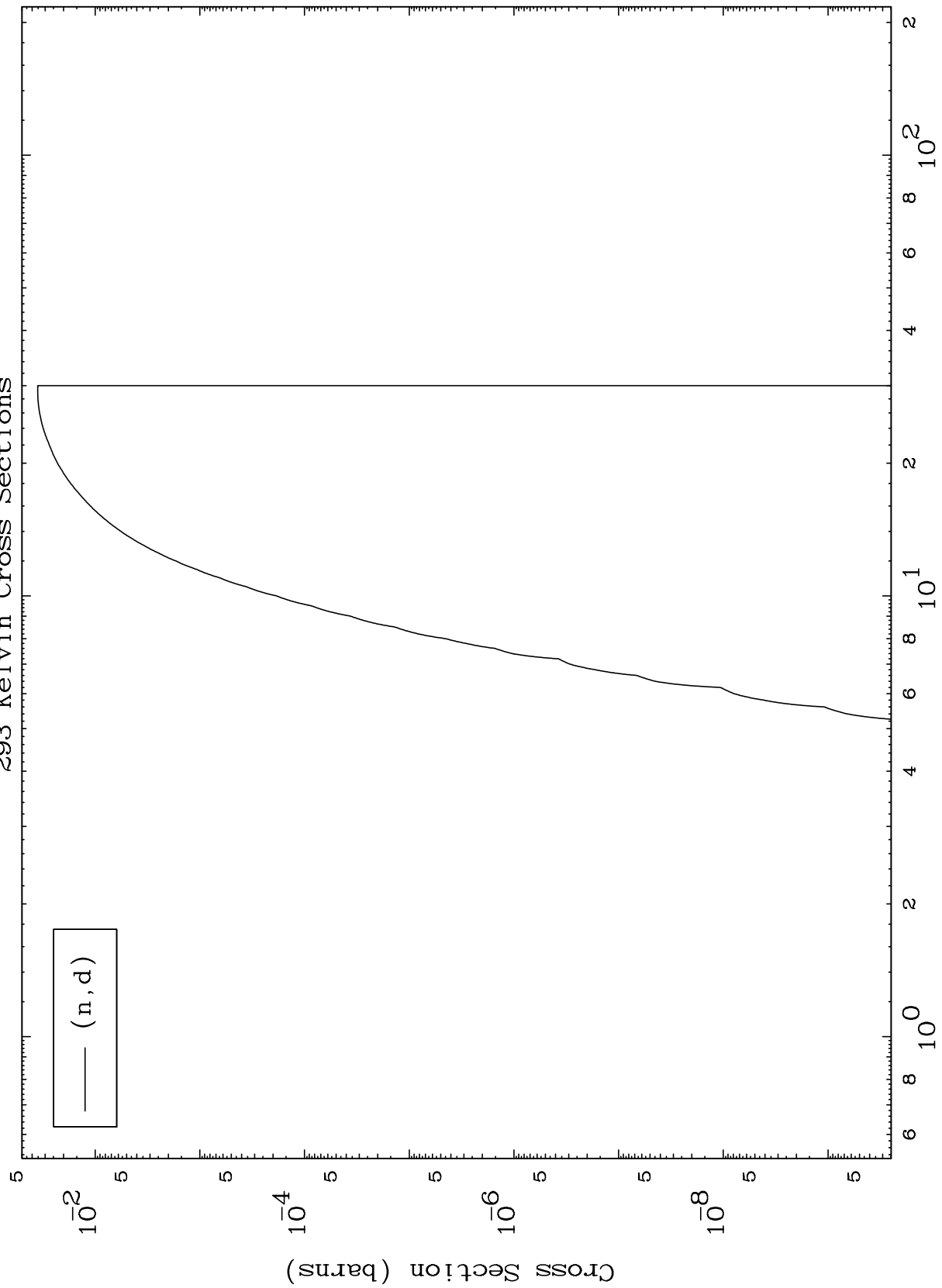
82-Pb-189



MAT 8180

(n,d) Levels  
293 Kelvin Cross Sections

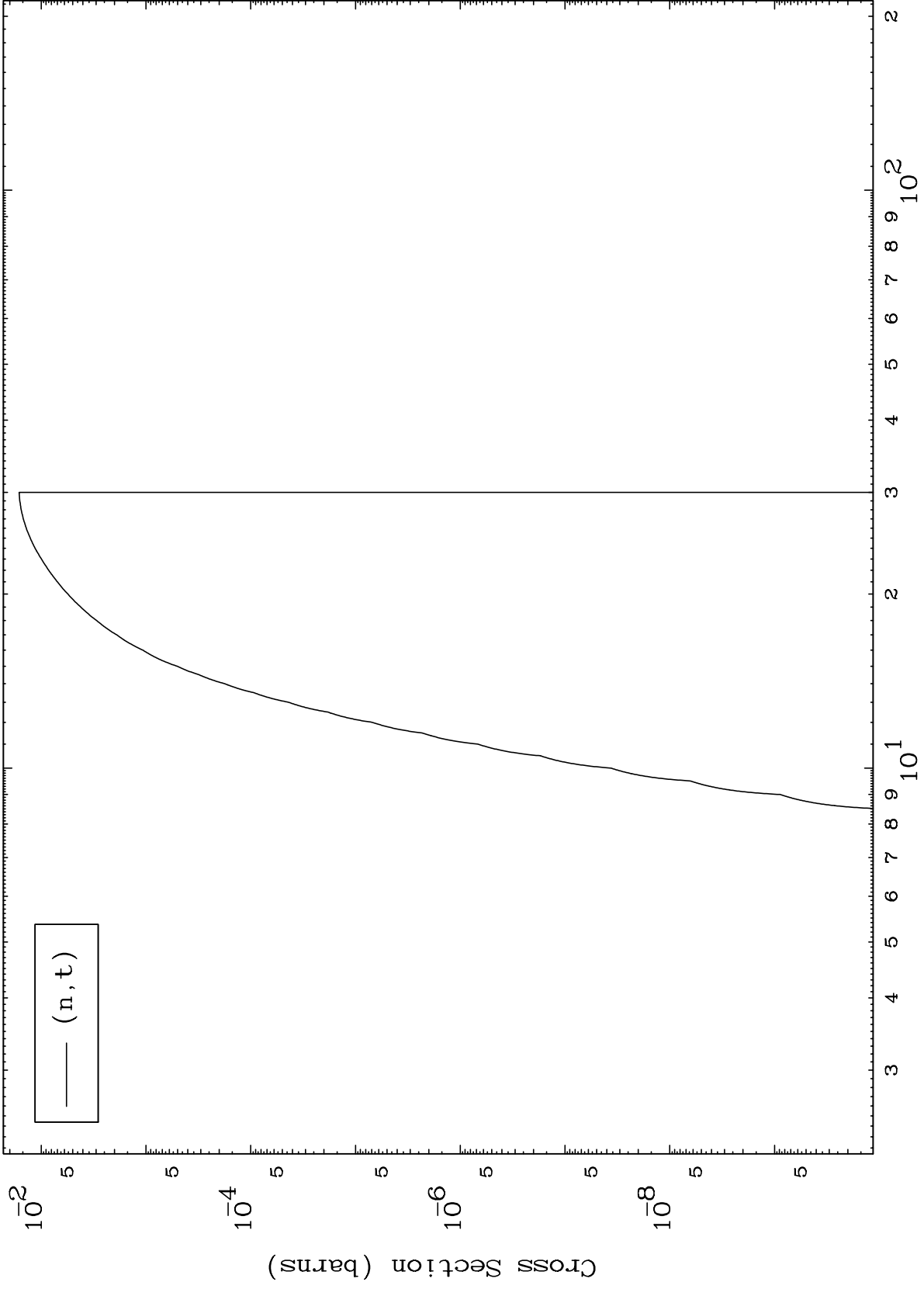
82-Pb-189



MAT 8180

(n,t) Levels  
293 Kelvin Cross Sections

82-Pb-189



12

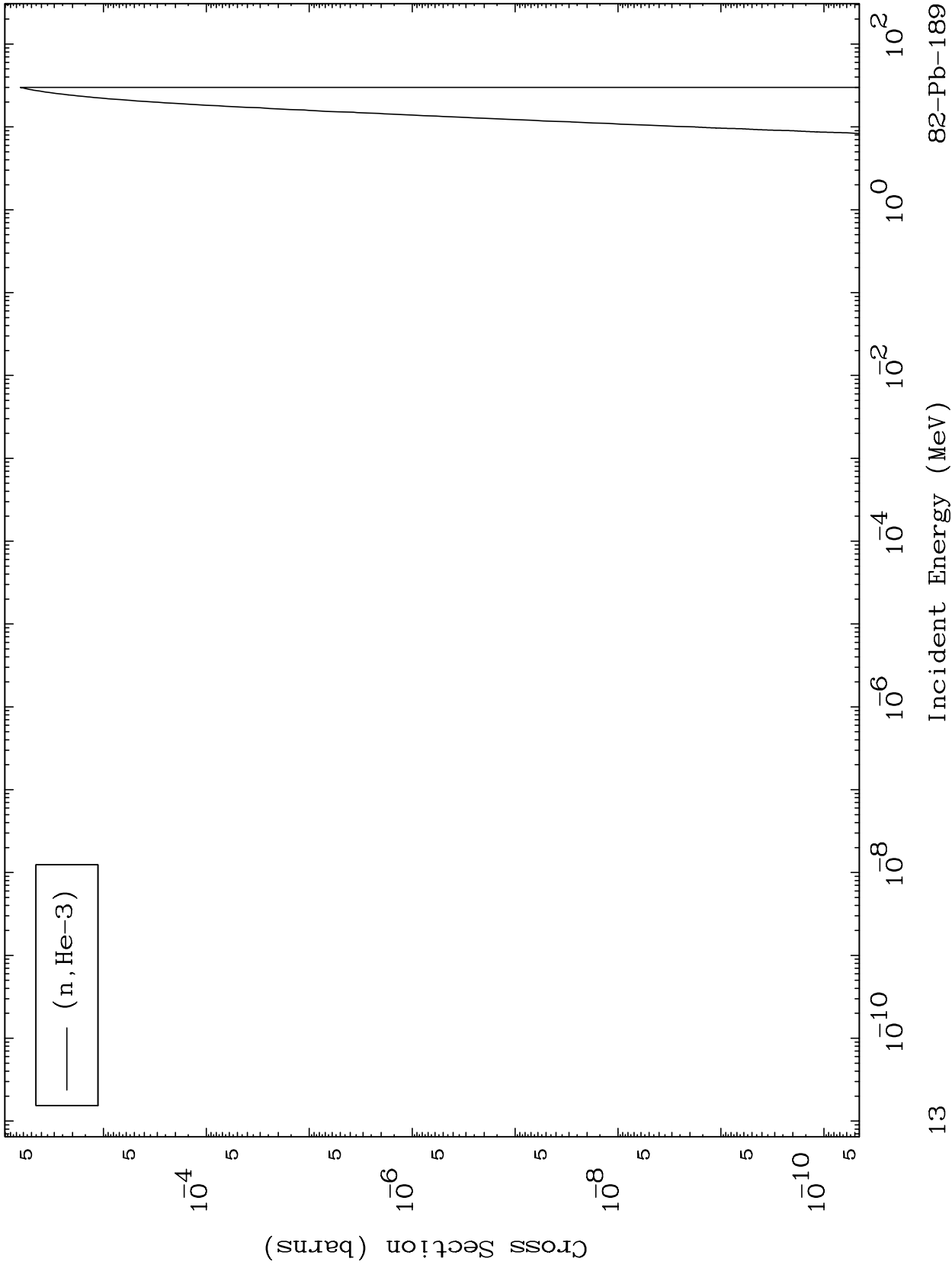
Incident Energy (MeV)

82-Pb-189

MAT 8180

(n,He3) Levels  
293 Kelvin Cross Sections

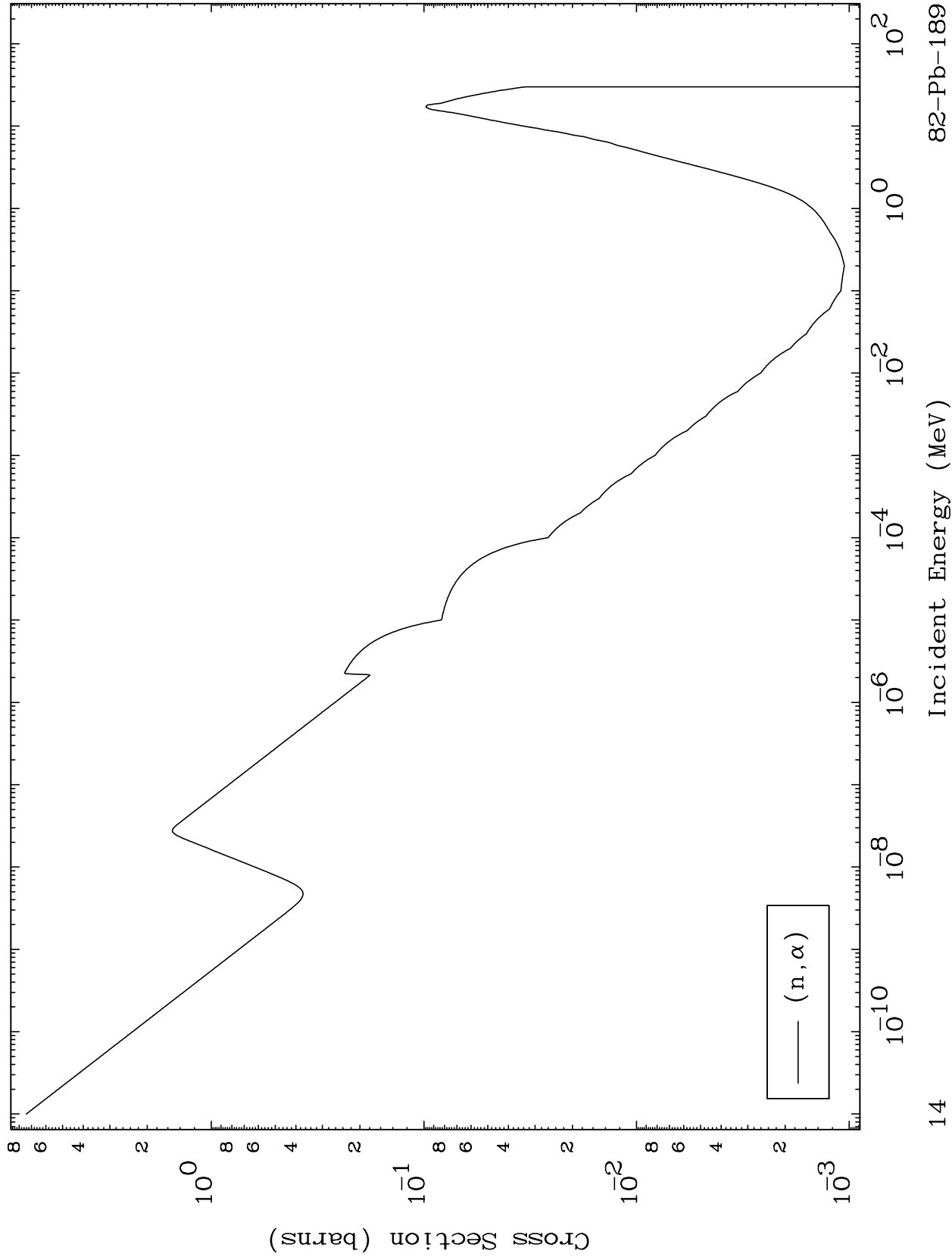
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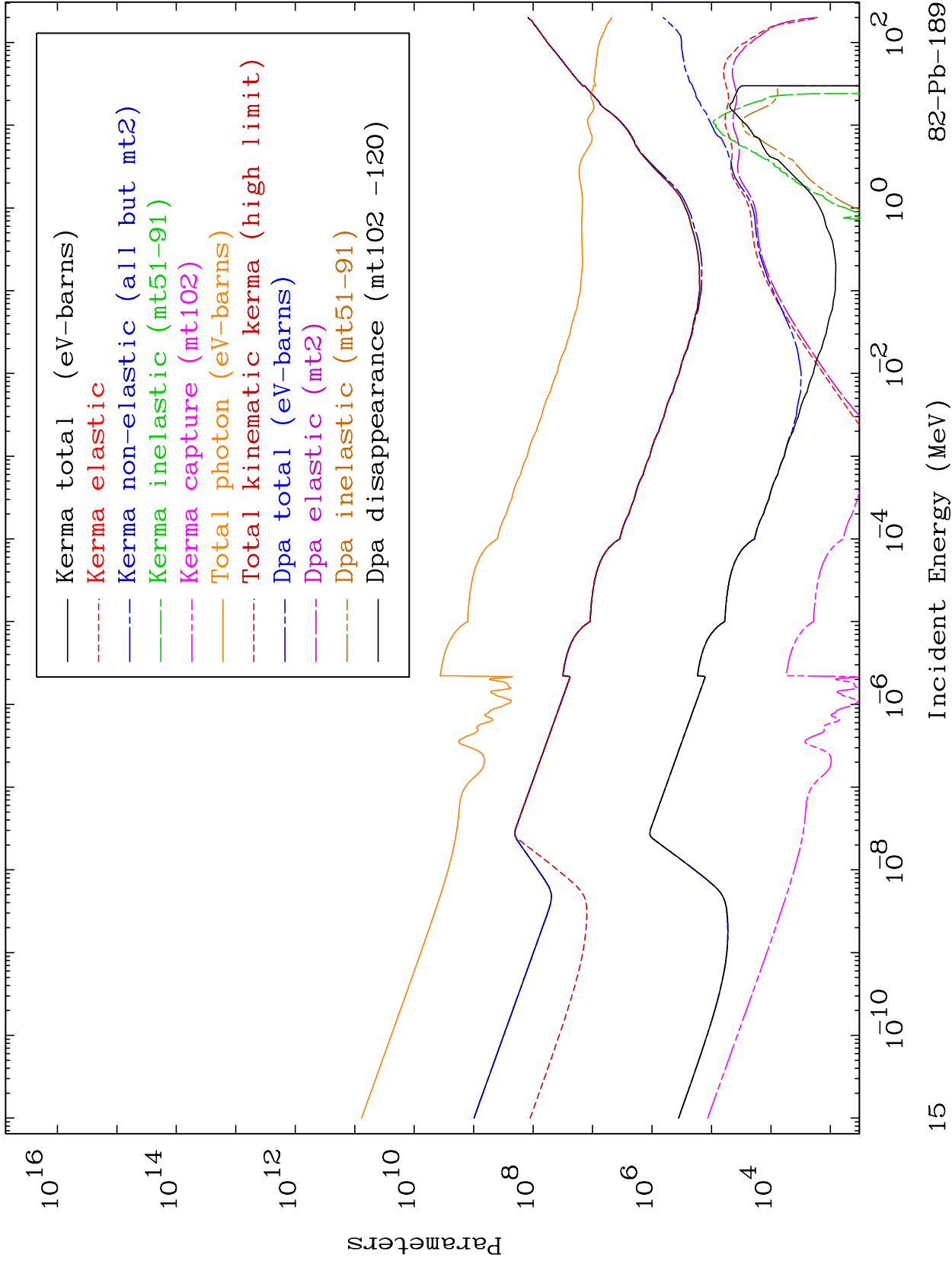


MAT 8180

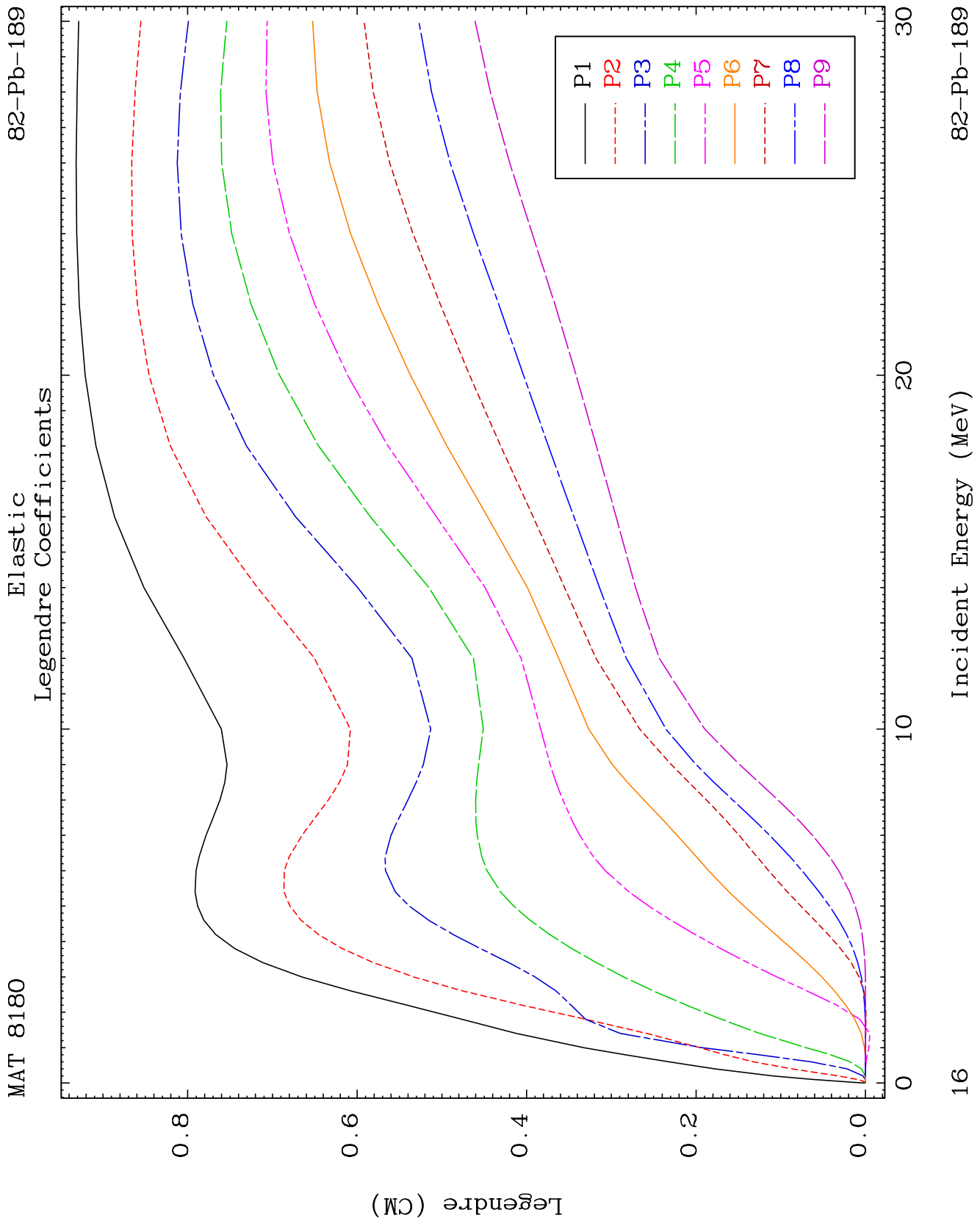
(n,α) Levels  
293 Kelvin Cross Sections

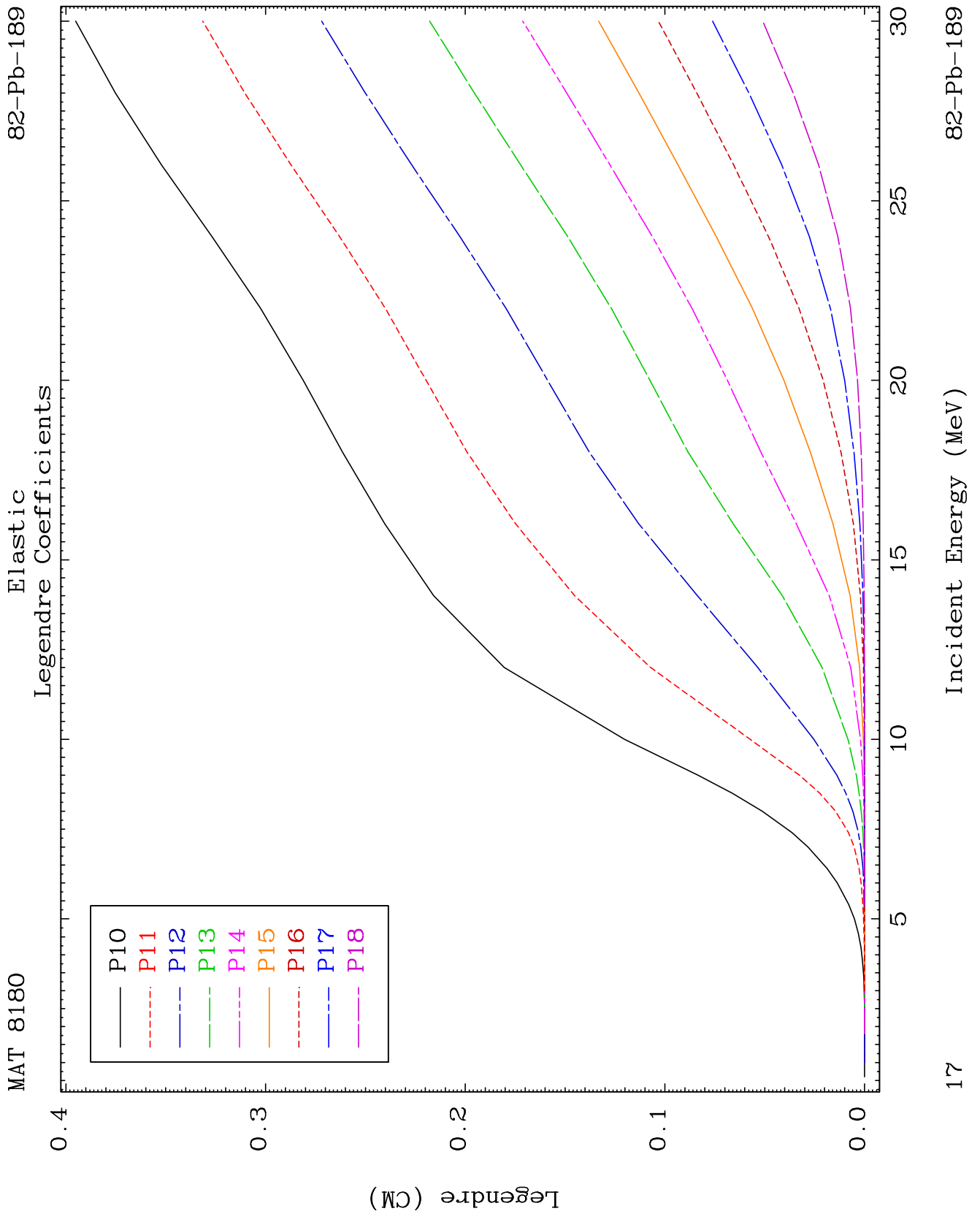
82-Pb-189









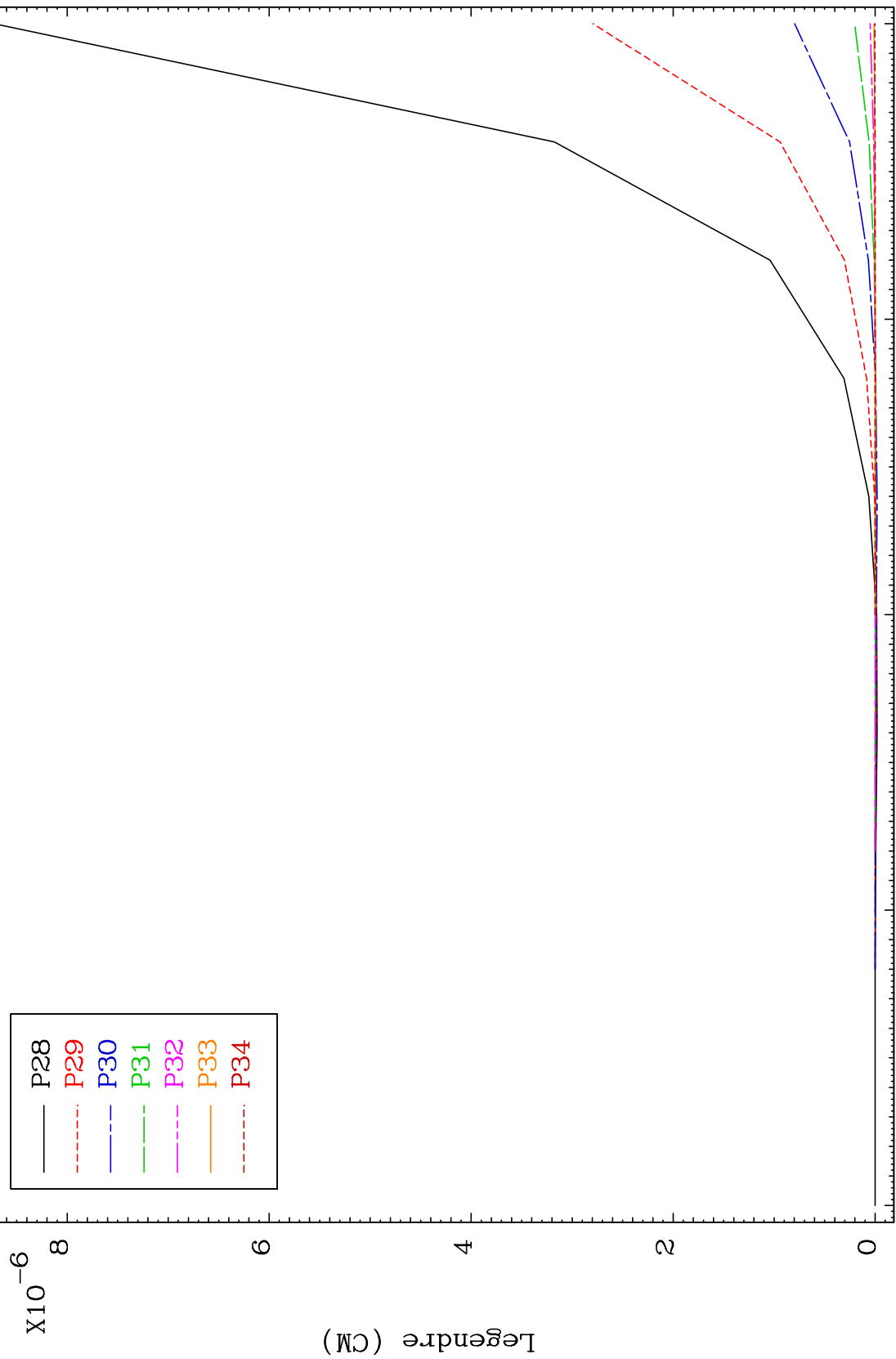
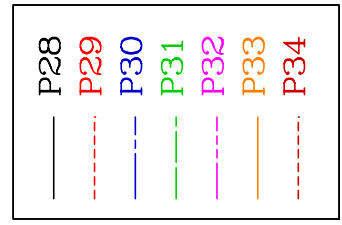




MAT 8180

Elastic Legendre Coefficients

82-Pb-189



19

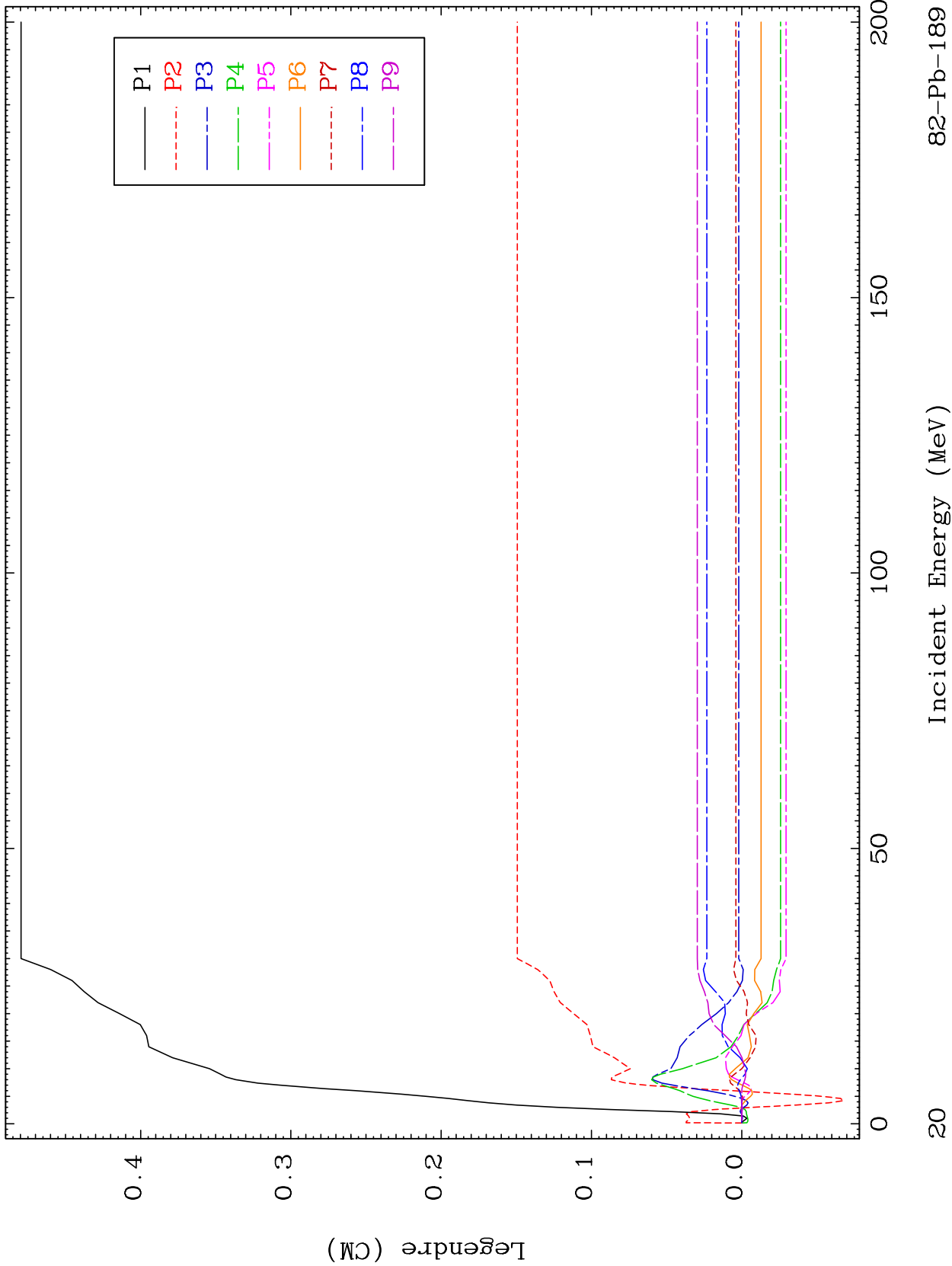
Incident Energy (MeV)

82-Pb-189

MAT 8180

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

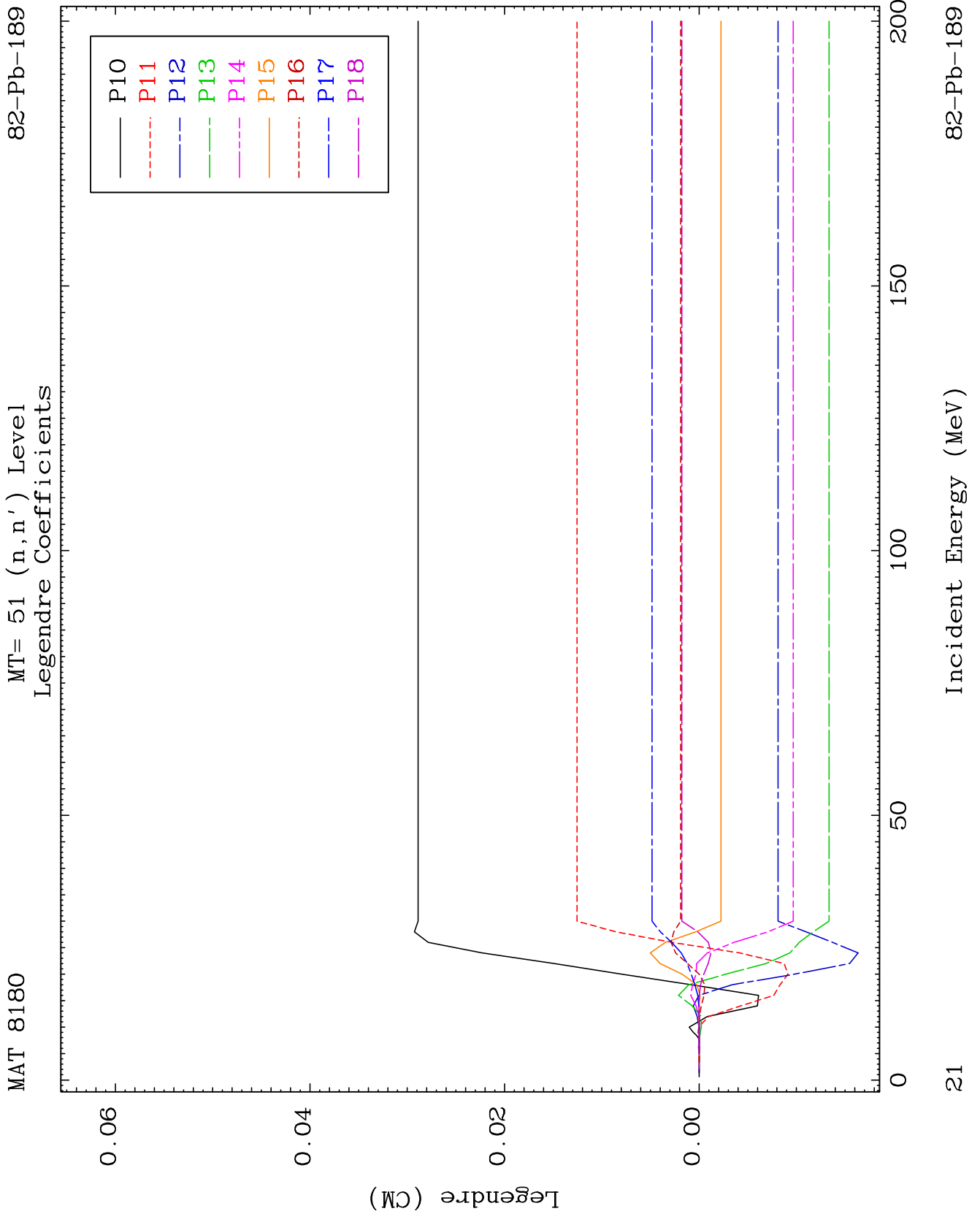
82-Pb-189



82-Pb-189

Incident Energy (MeV)

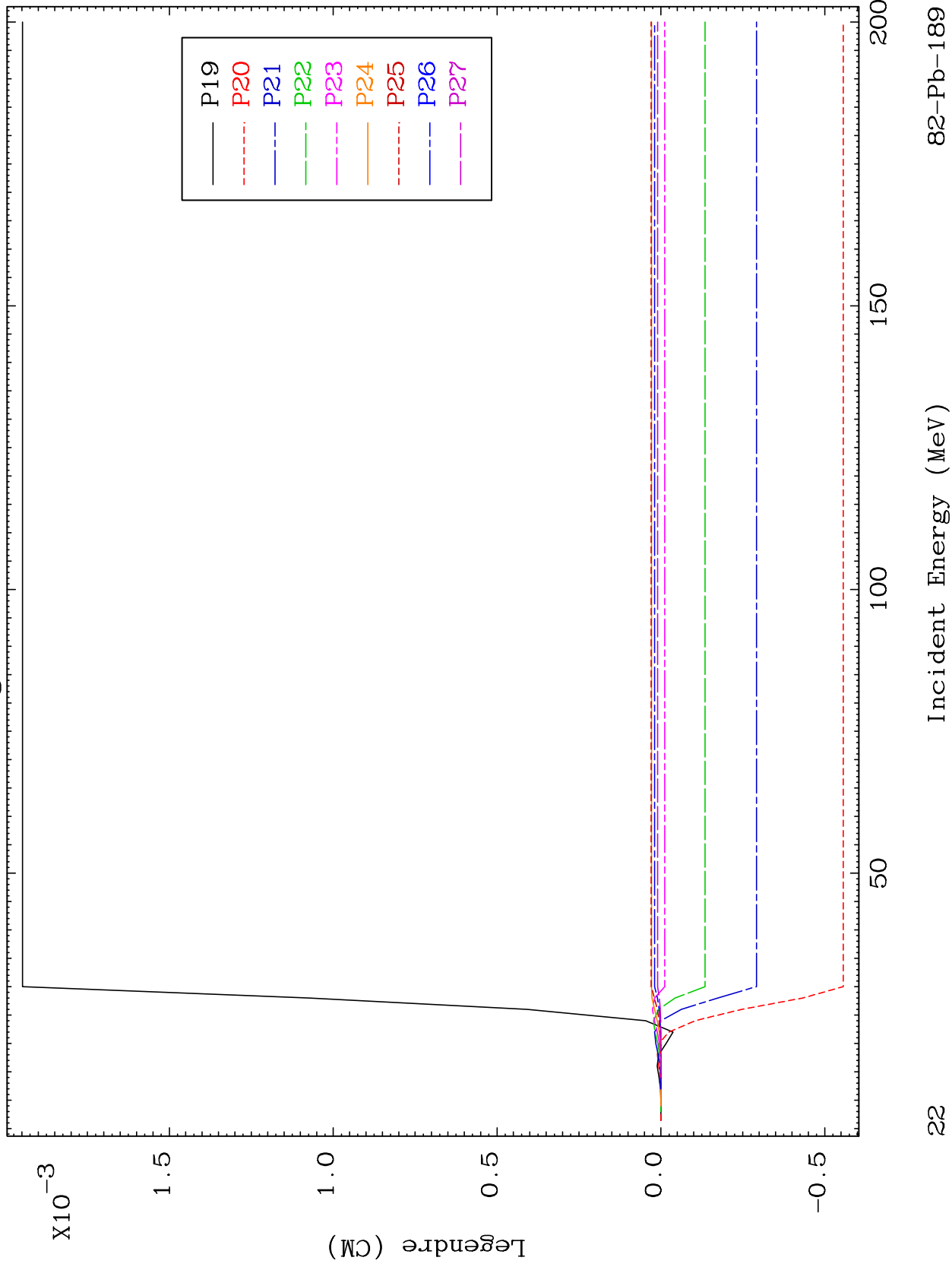
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MAT 8180

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

82-Pb-189



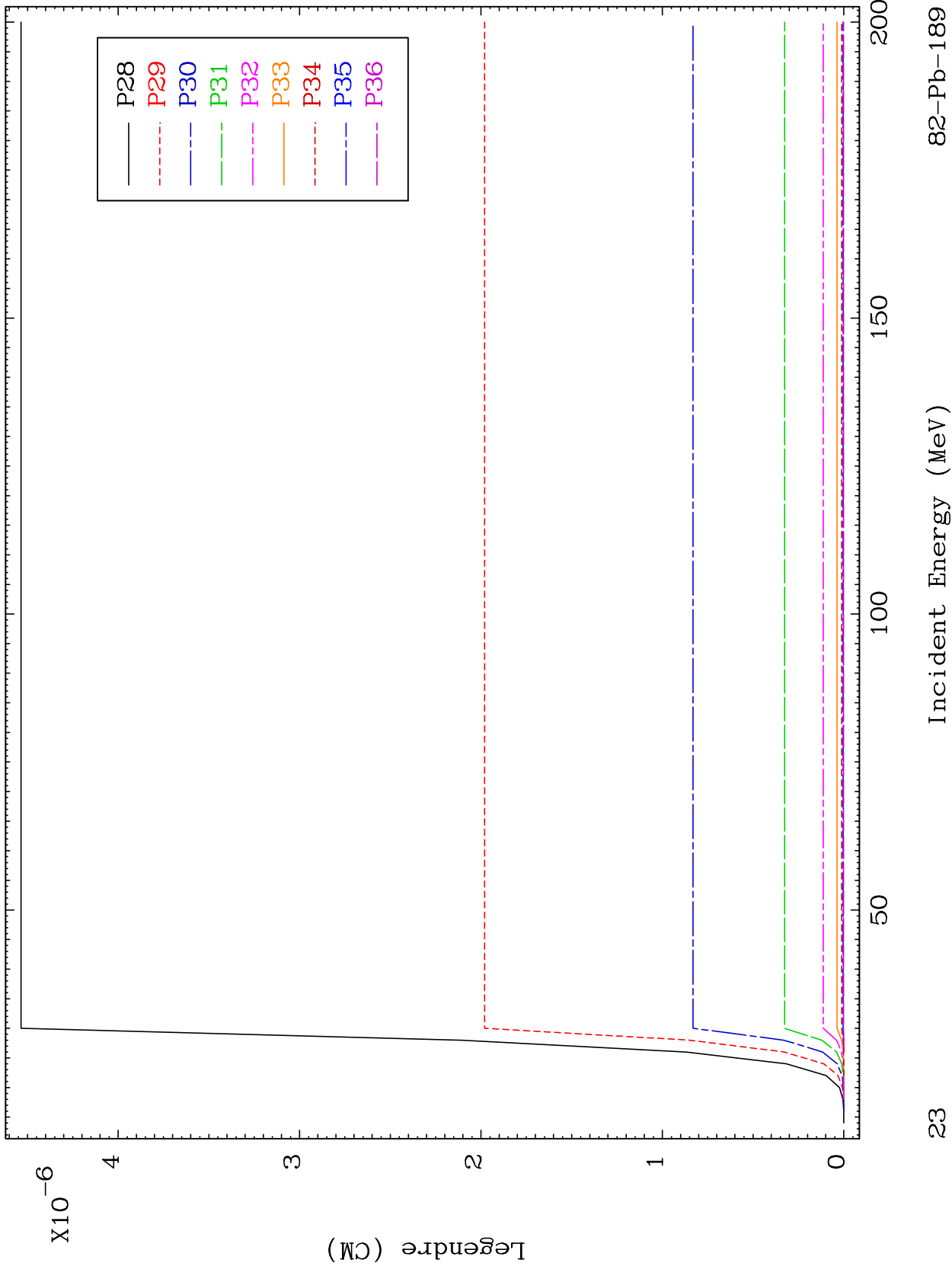
22

82-Pb-189

MAT 8180

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

82-Pb-189

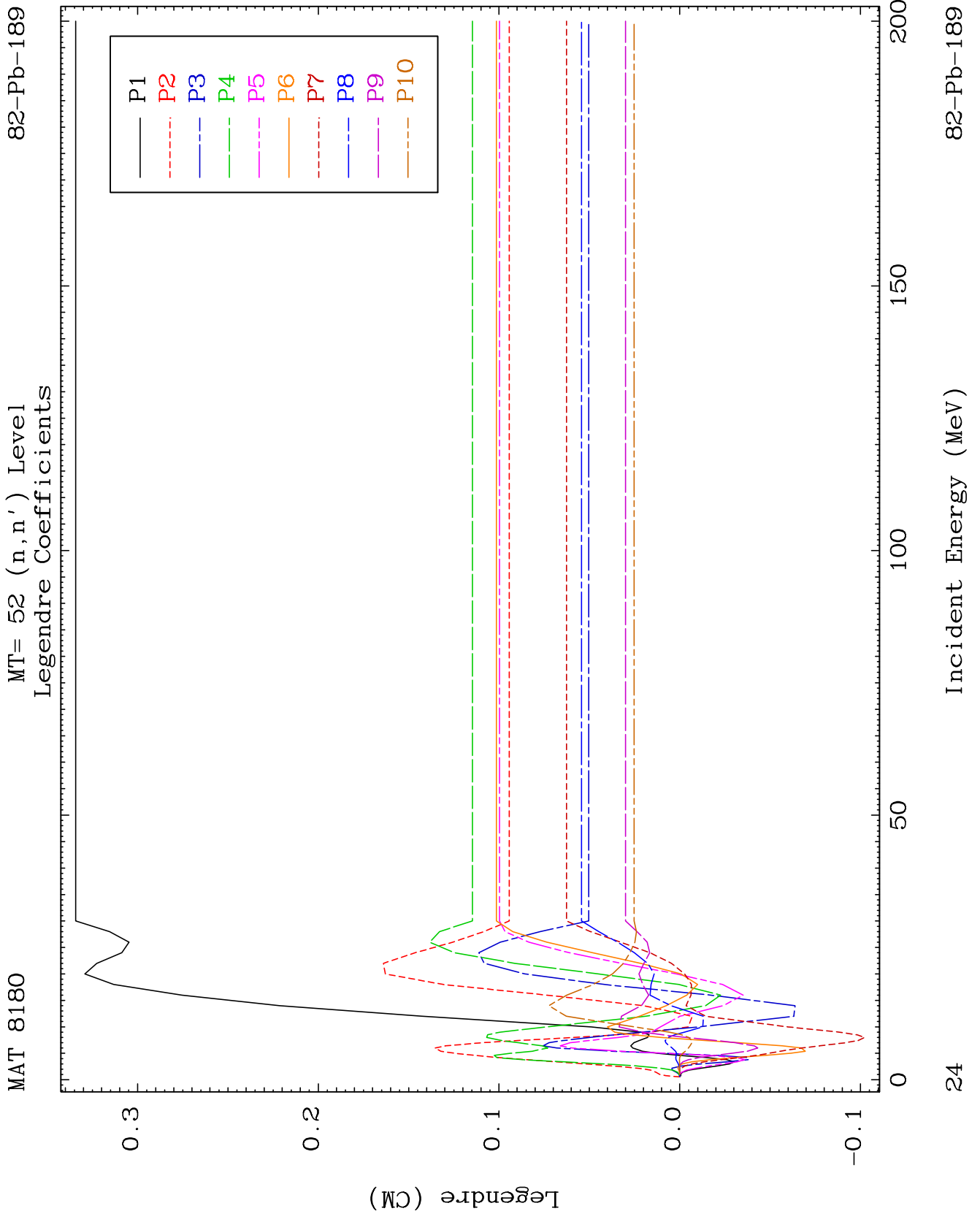


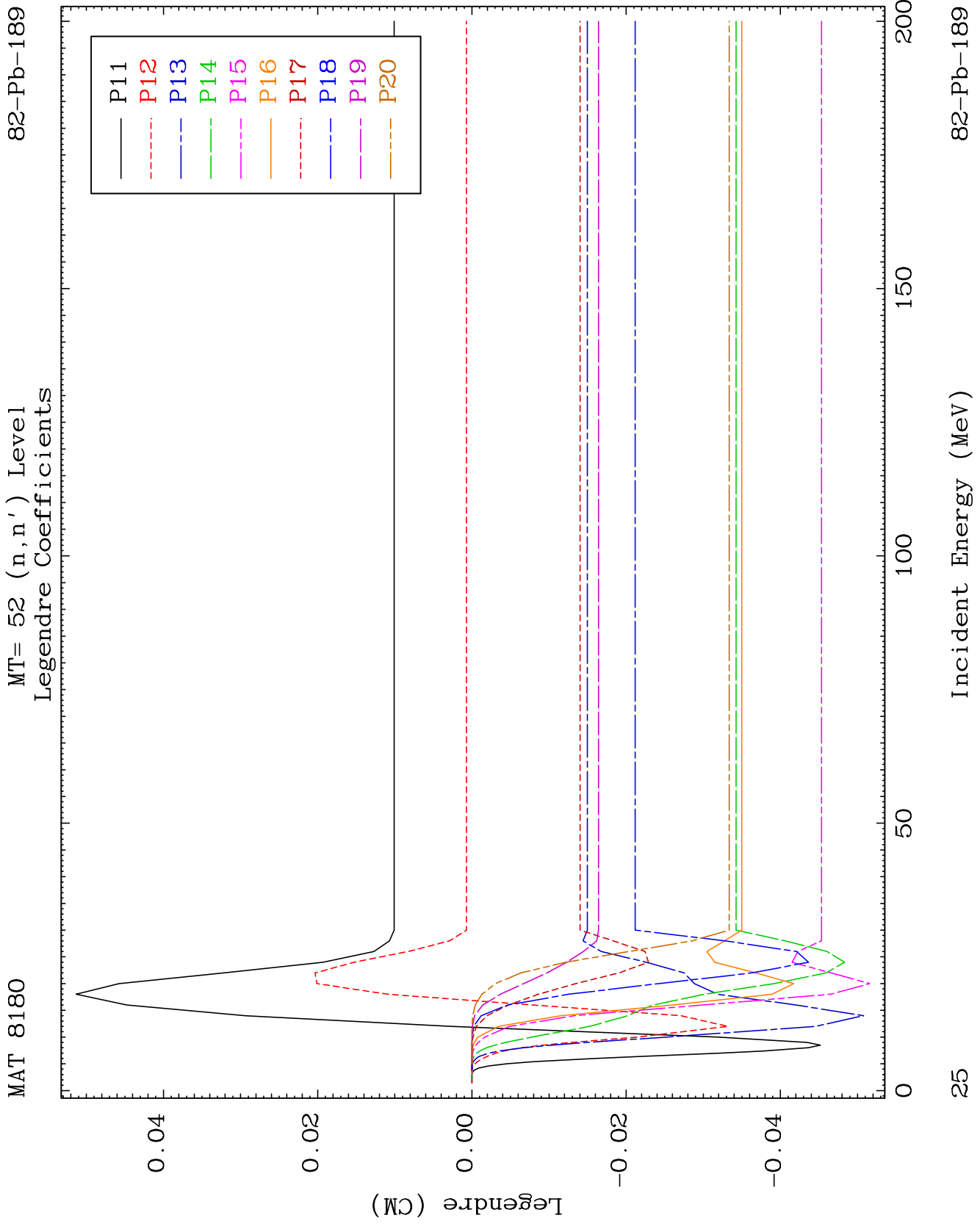
23

Incident Energy (MeV)

82-Pb-189



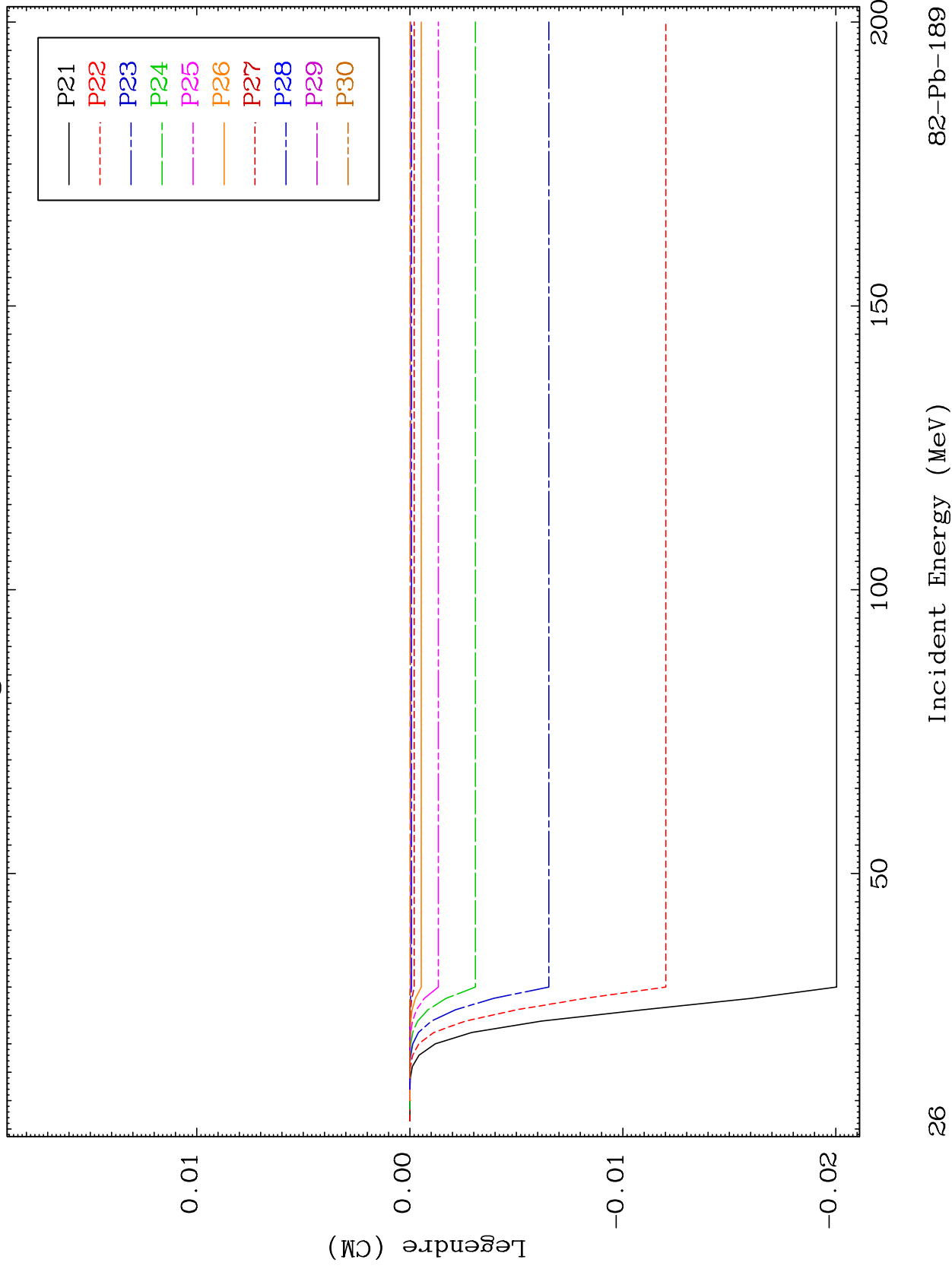




MAT 8180

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

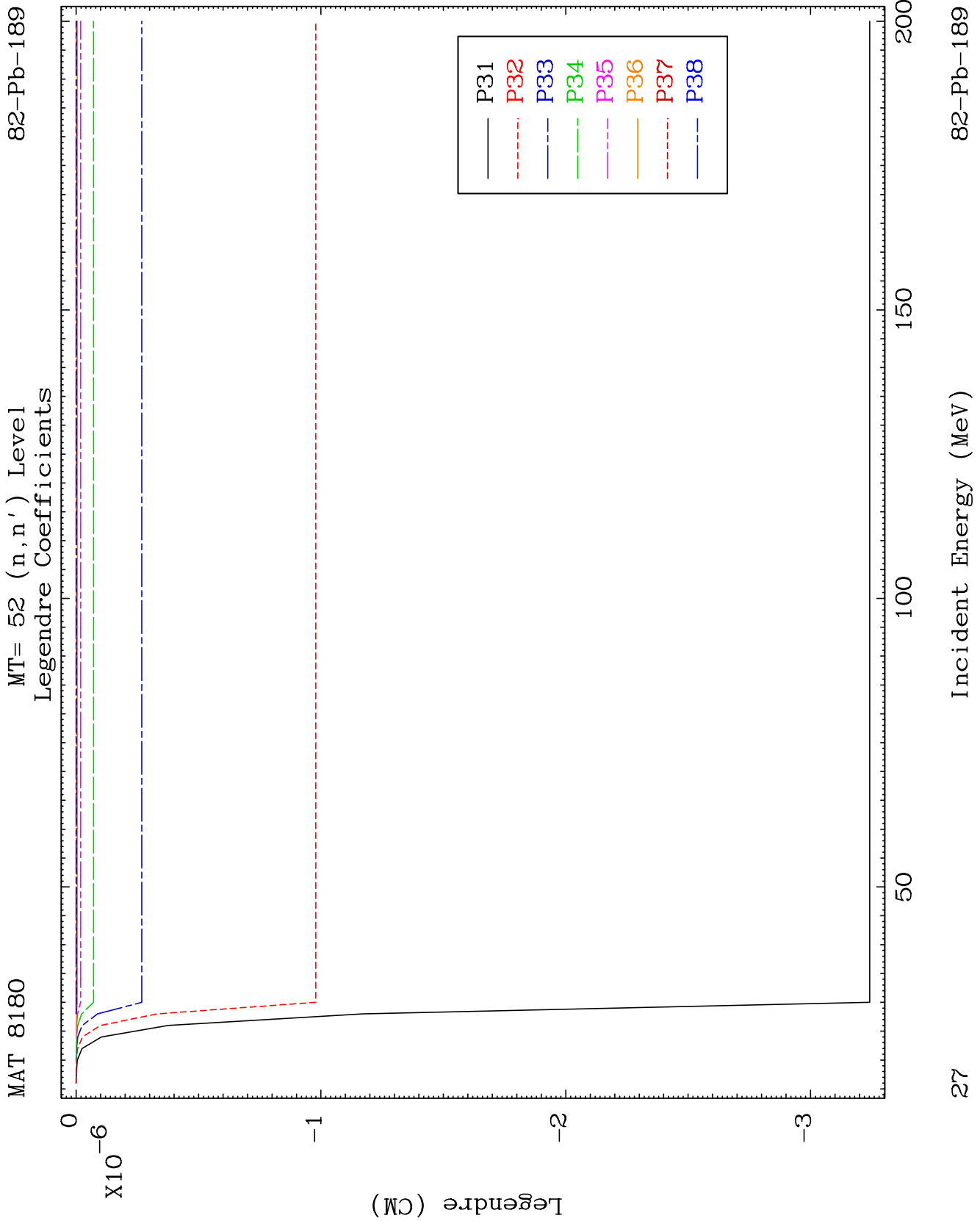
82-Pb-189



26

Incident Energy (MeV)

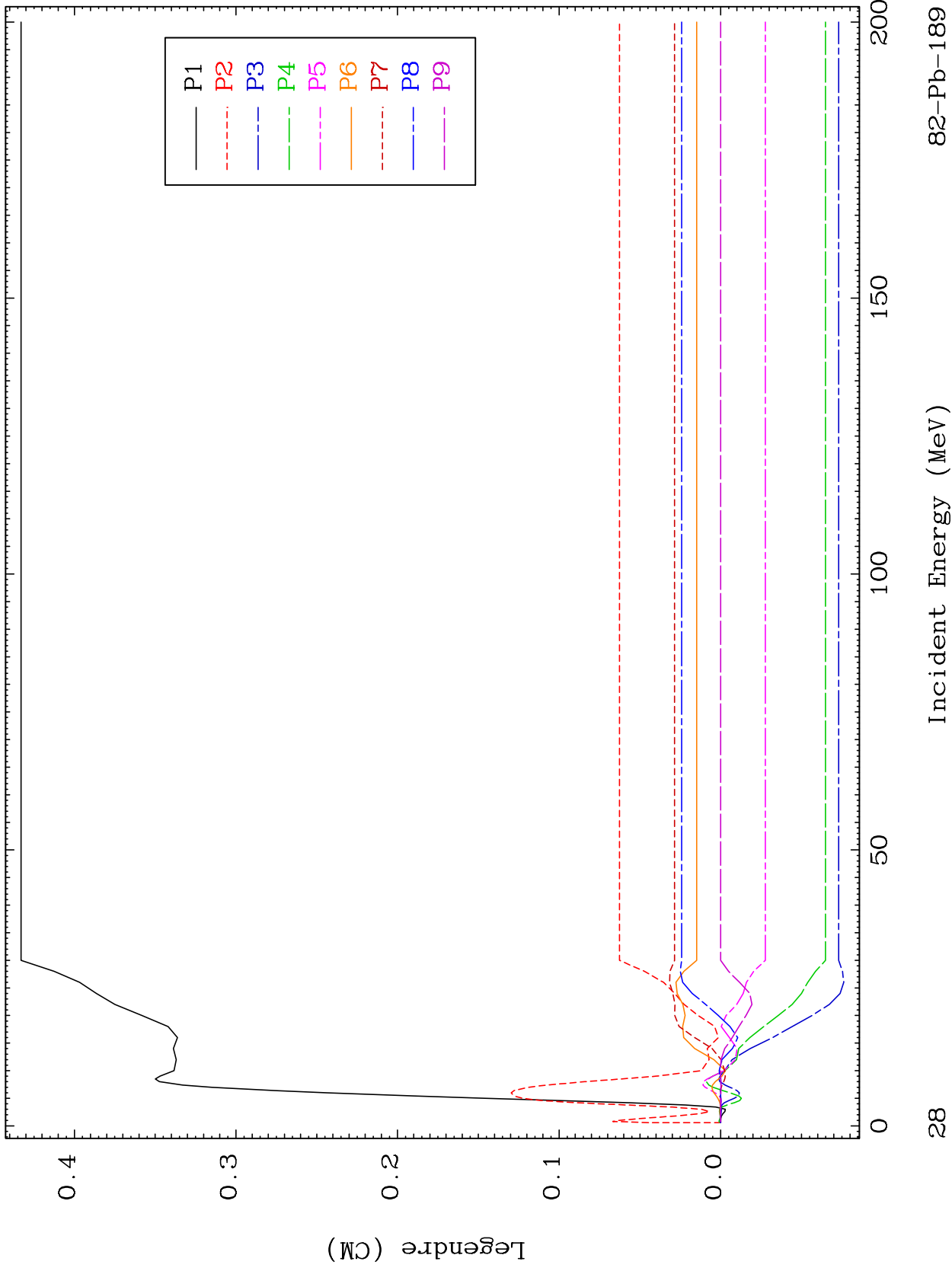
82-Pb-189



MAT 8180

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

82-Pb-189



82-Pb-189

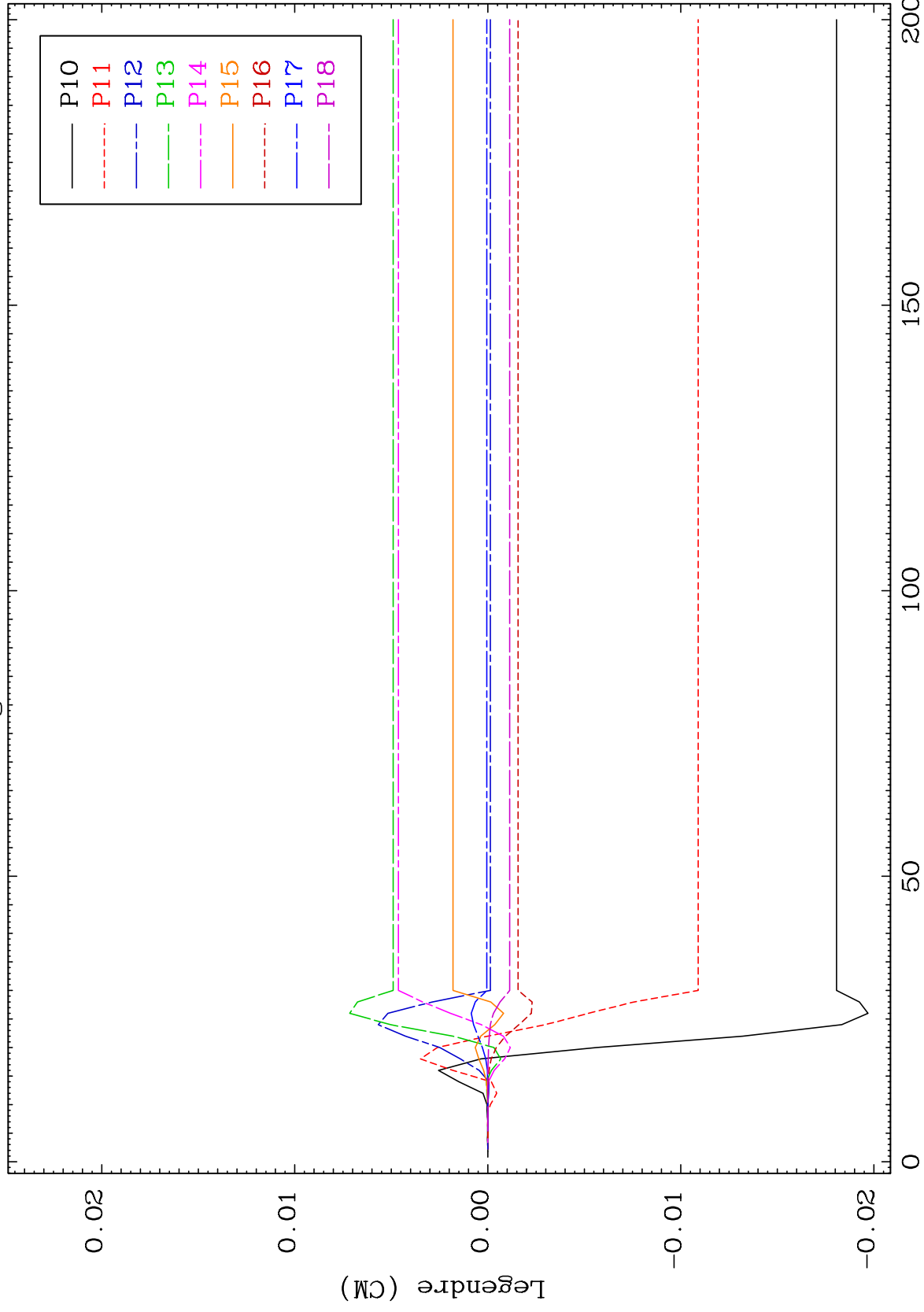
Incident Energy (MeV)

28

MAT 8180

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

82-Pb-189



29

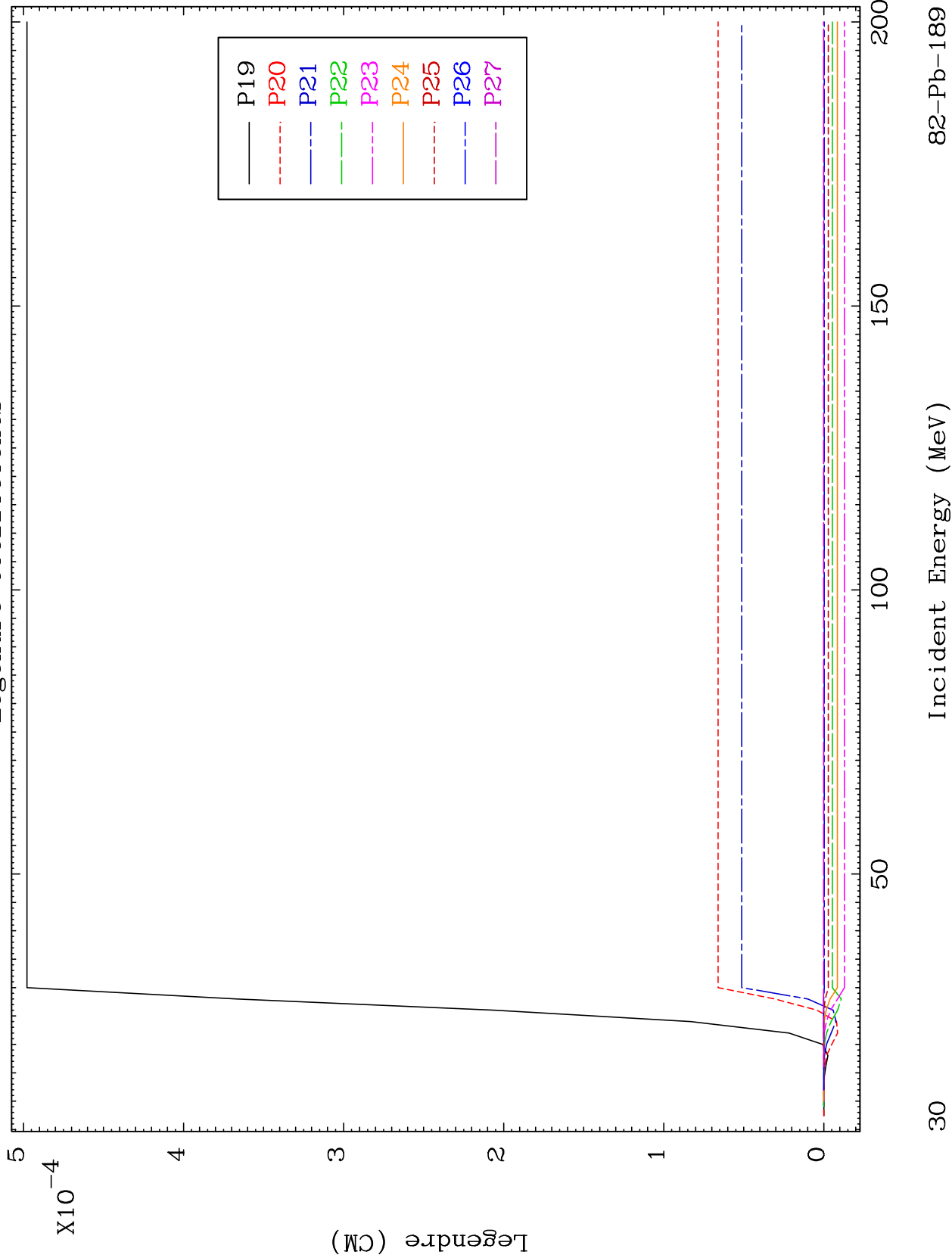
Incident Energy (MeV)

82-Pb-189

MAT 8180

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

82-Pb-189



30

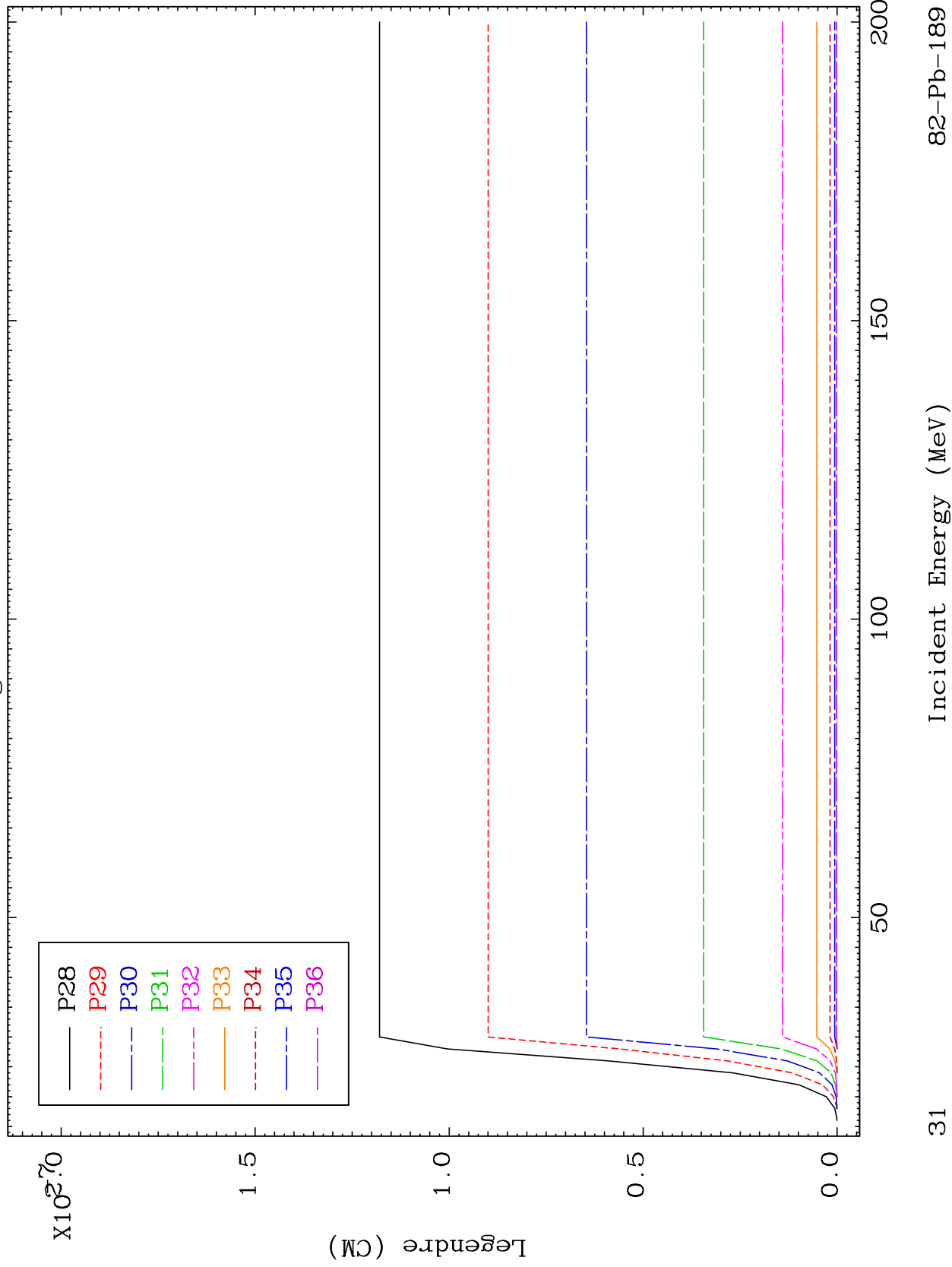
Incident Energy (MeV)

82-Pb-189

MAT 8180

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

82-Pb-189



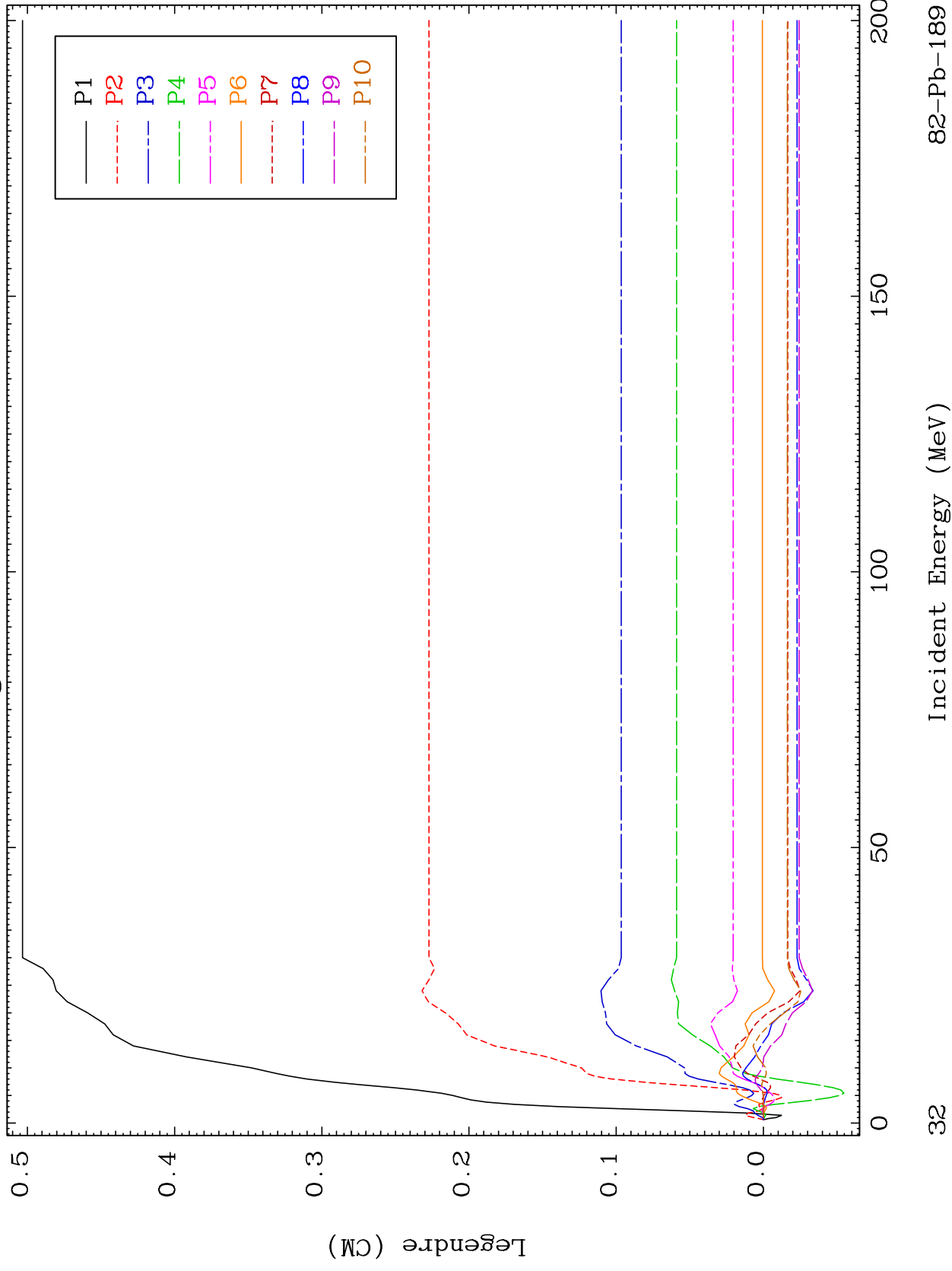


MAT 8180

MT= 54 (n,n') Level

82-Pb-189

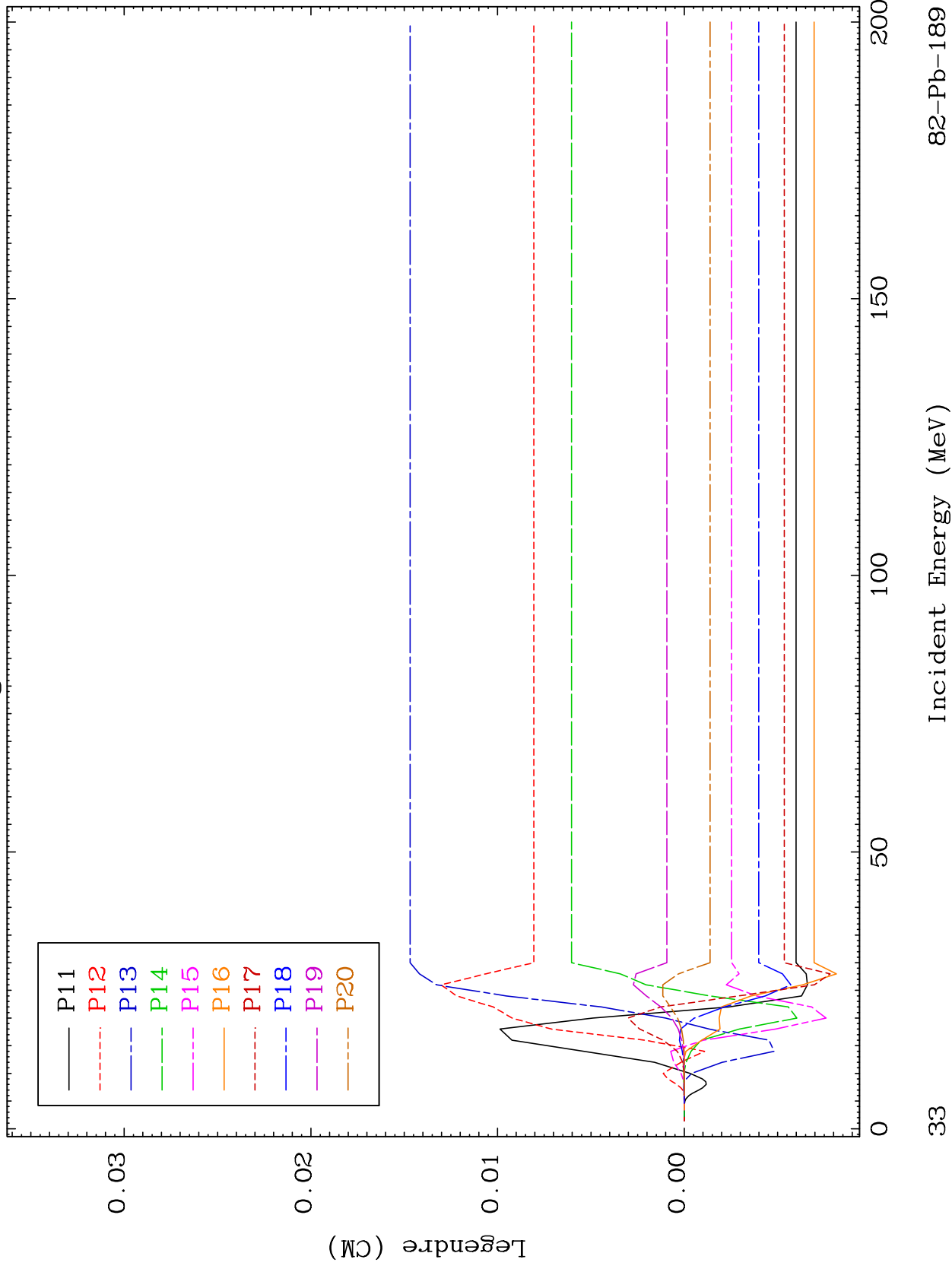
Legendre Coefficients

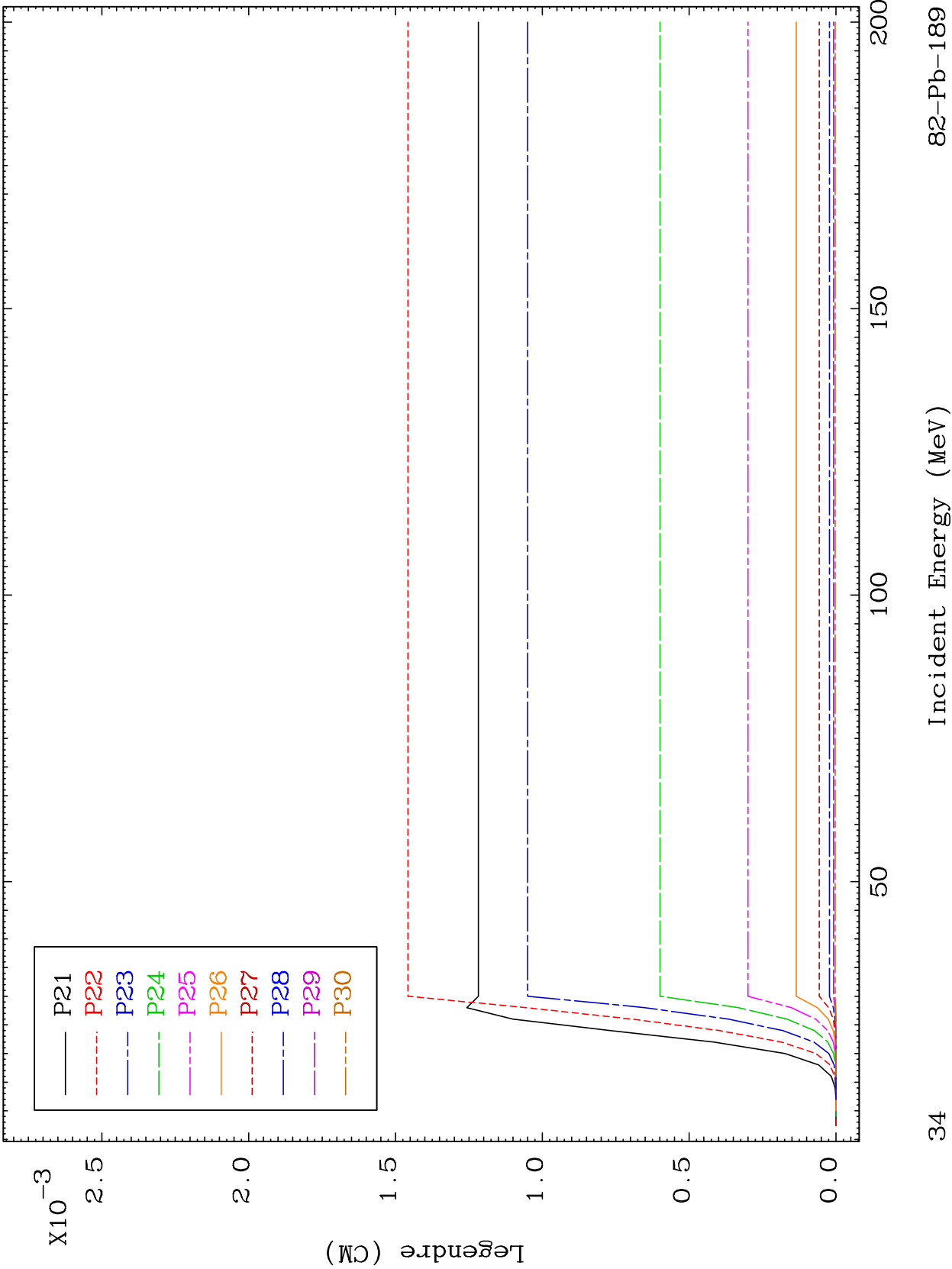


MAT 8180

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

82-Pb-189

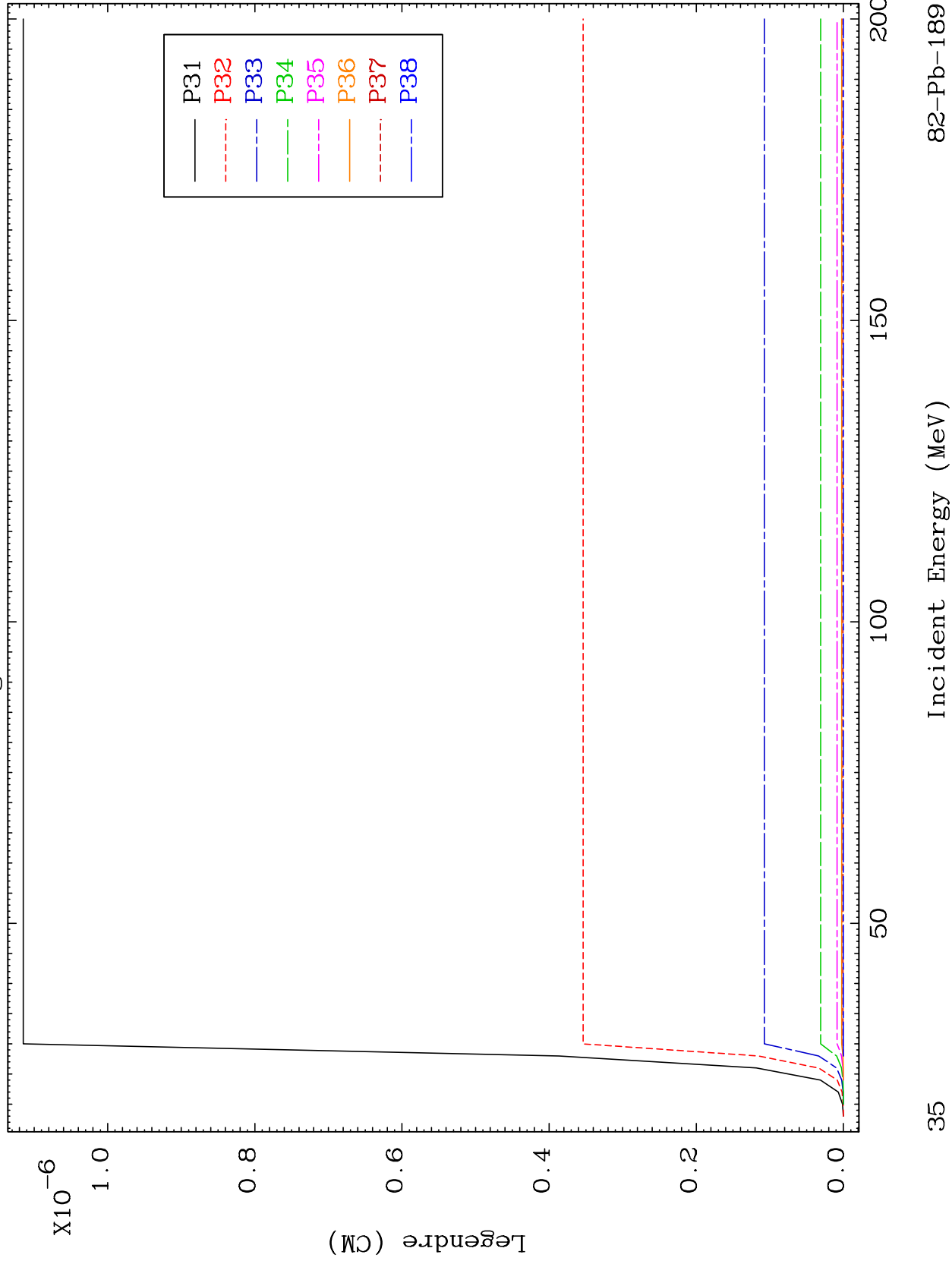


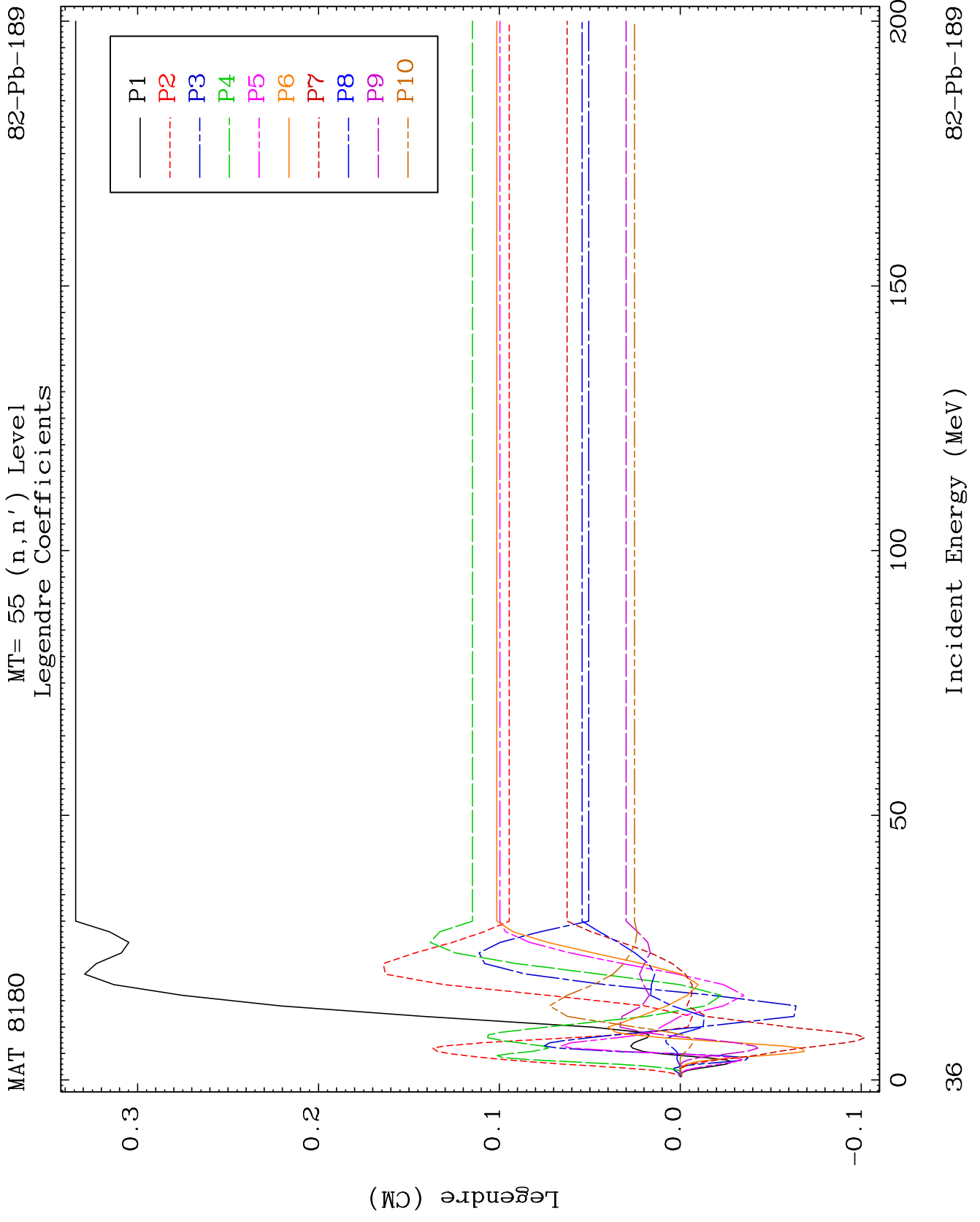


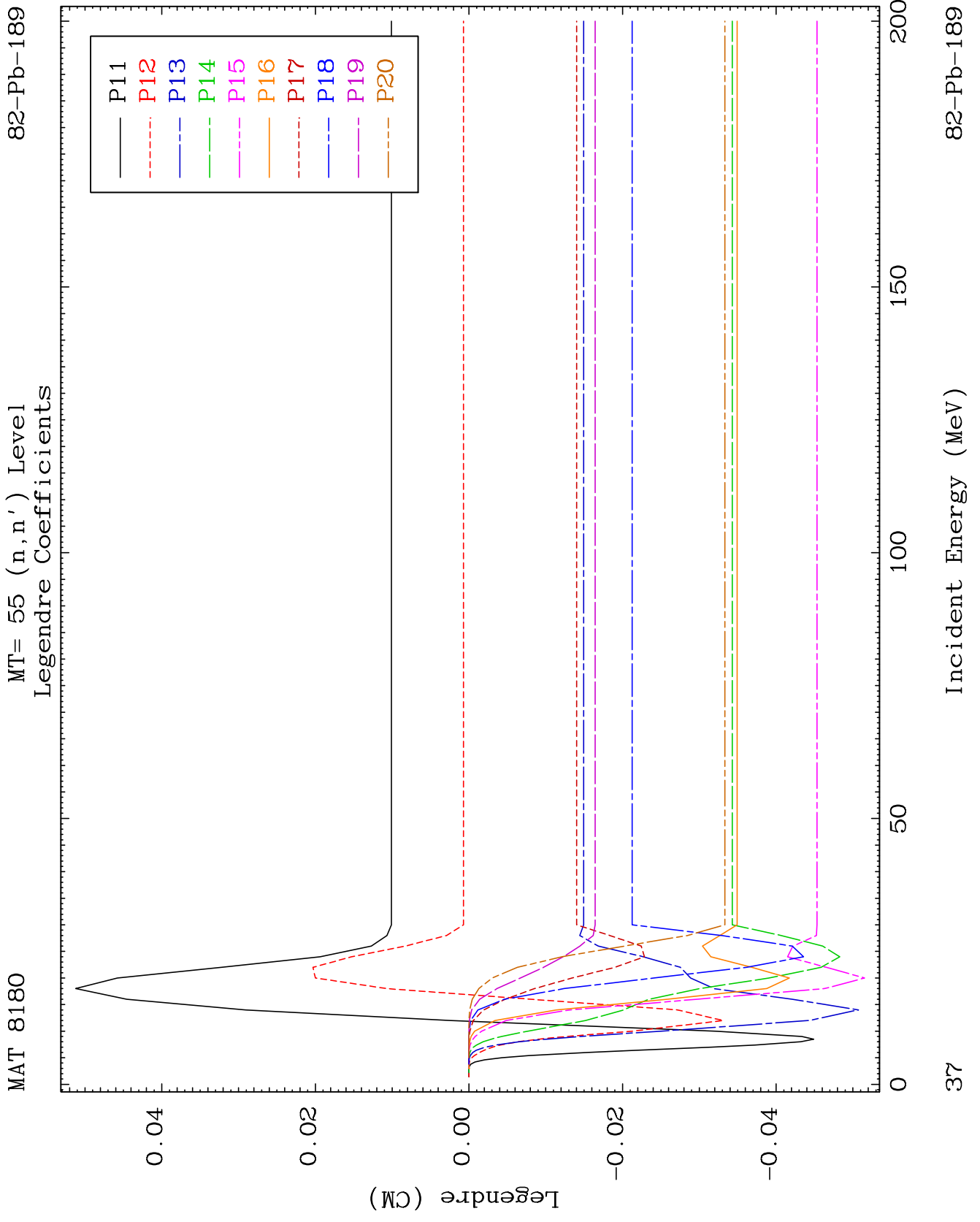
MAT 8180

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

82-Pb-189



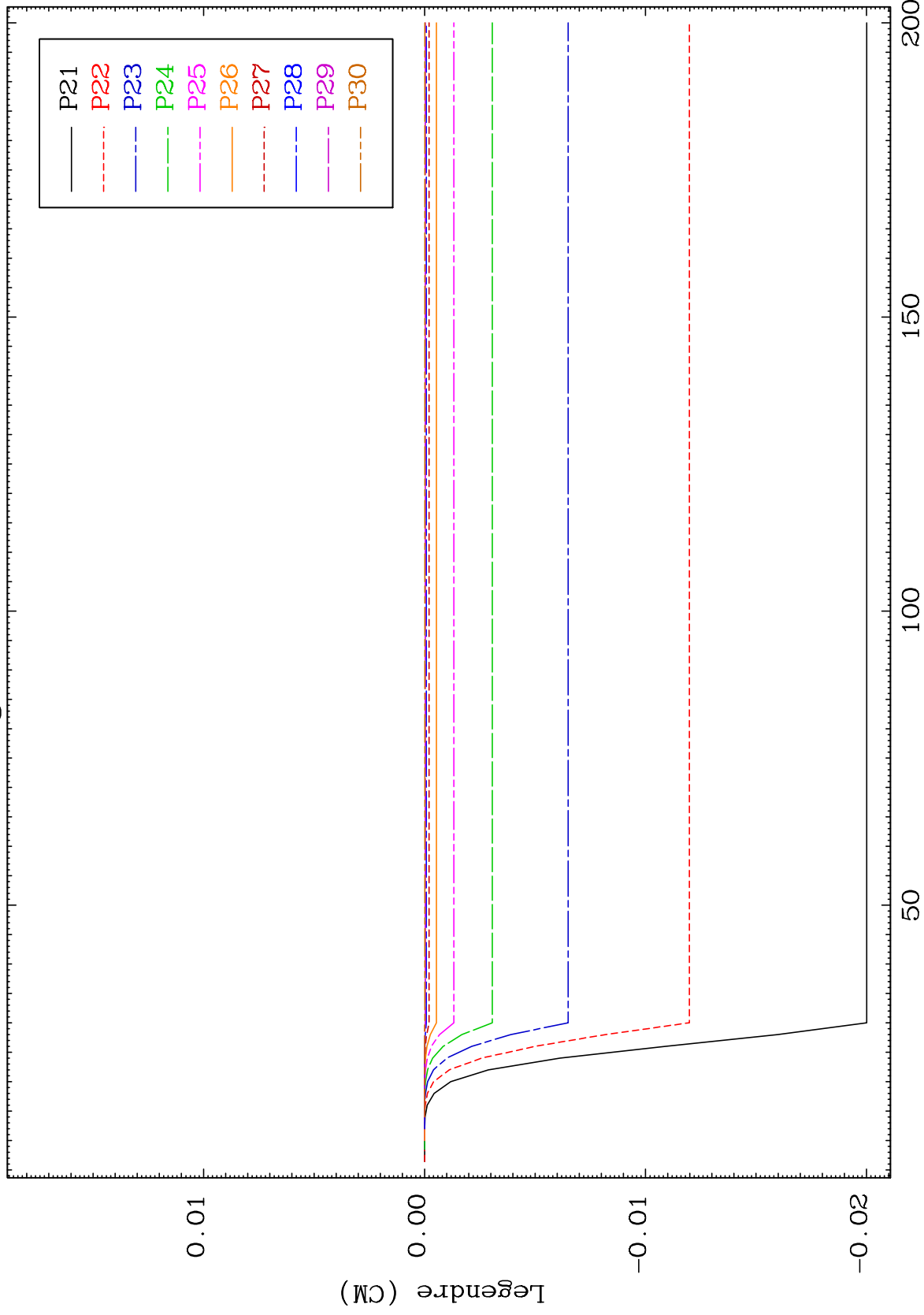




MAT 8180

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

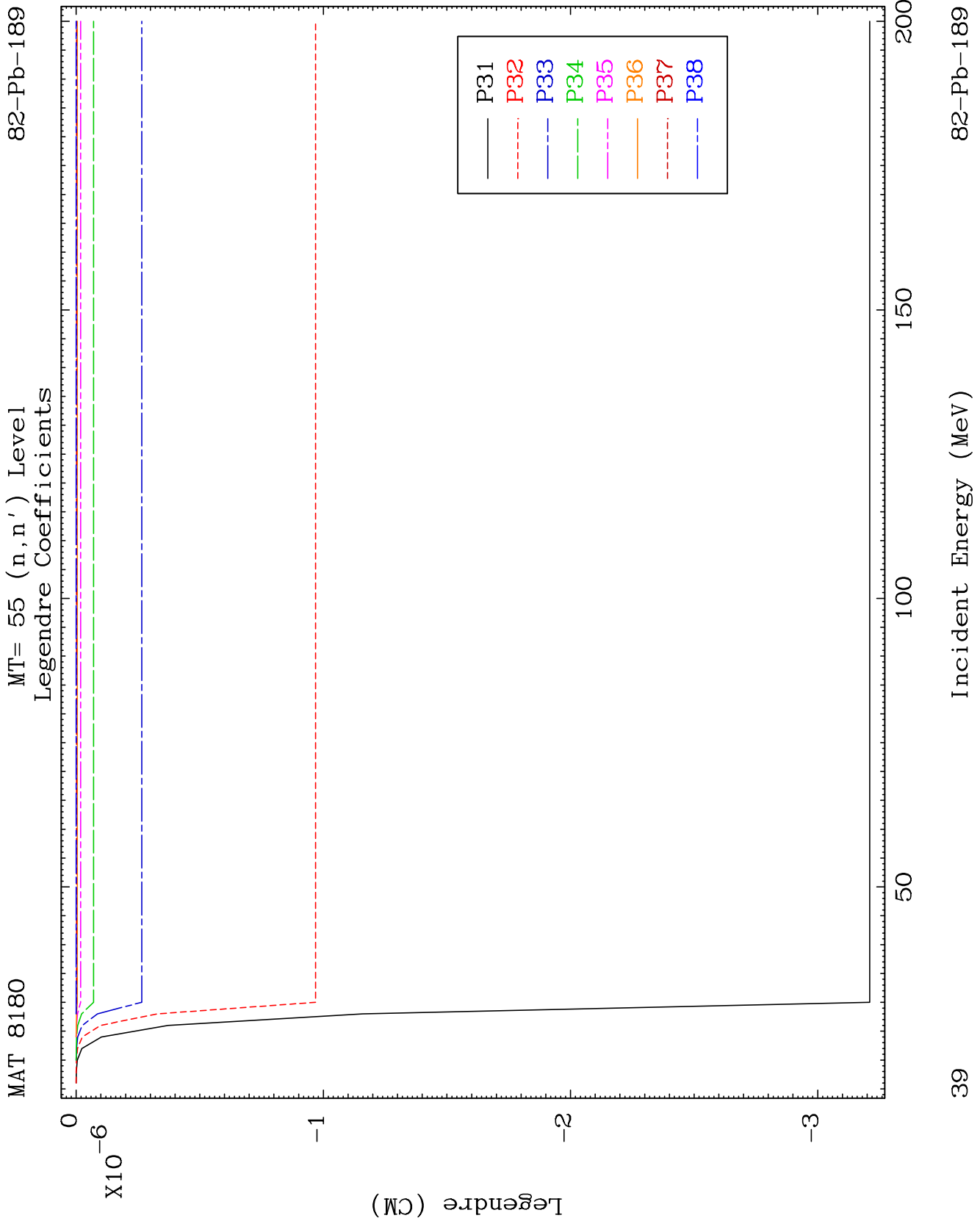
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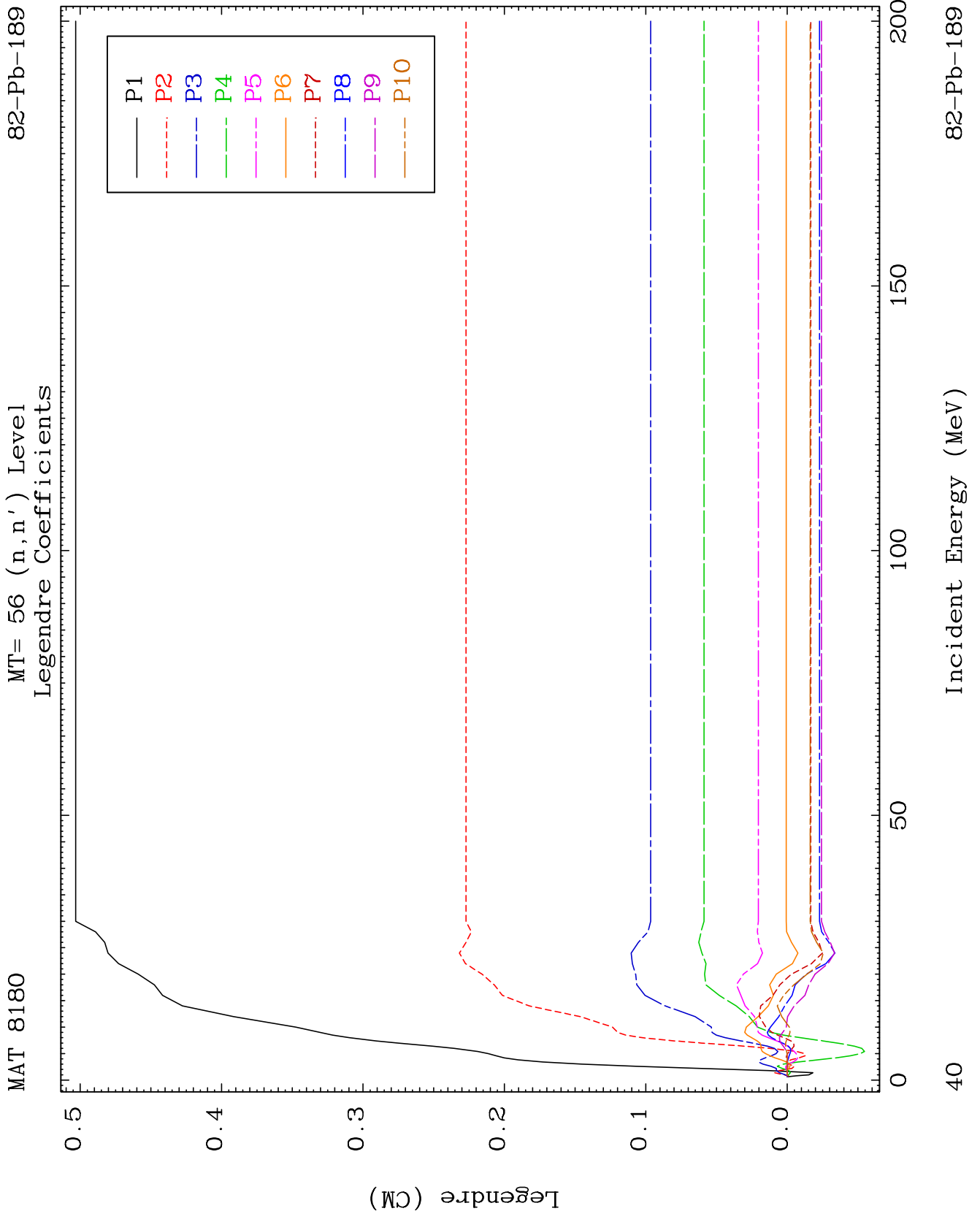
38

Incident Energy (MeV)

82-Pb-189



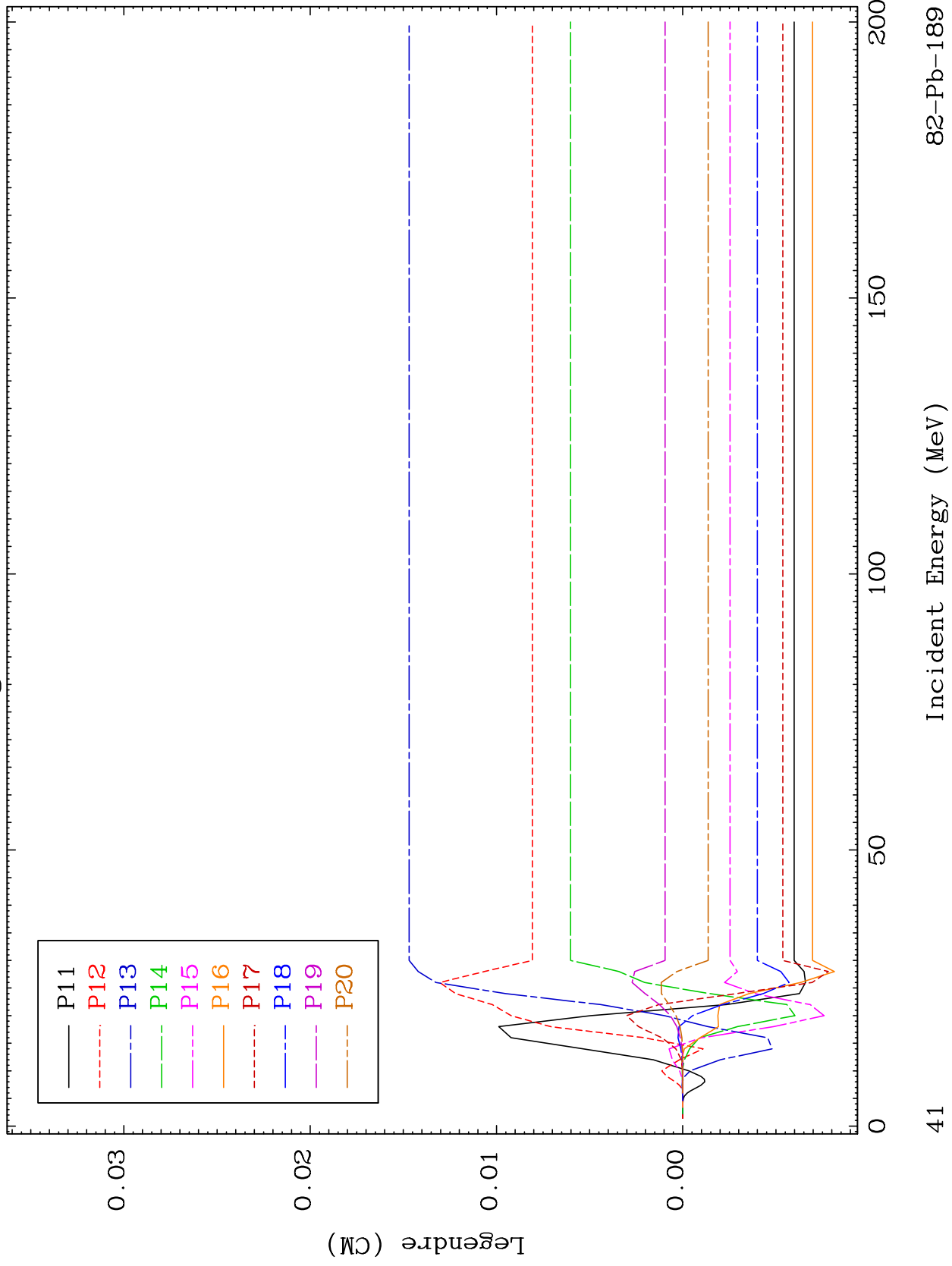




MAT 8180

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

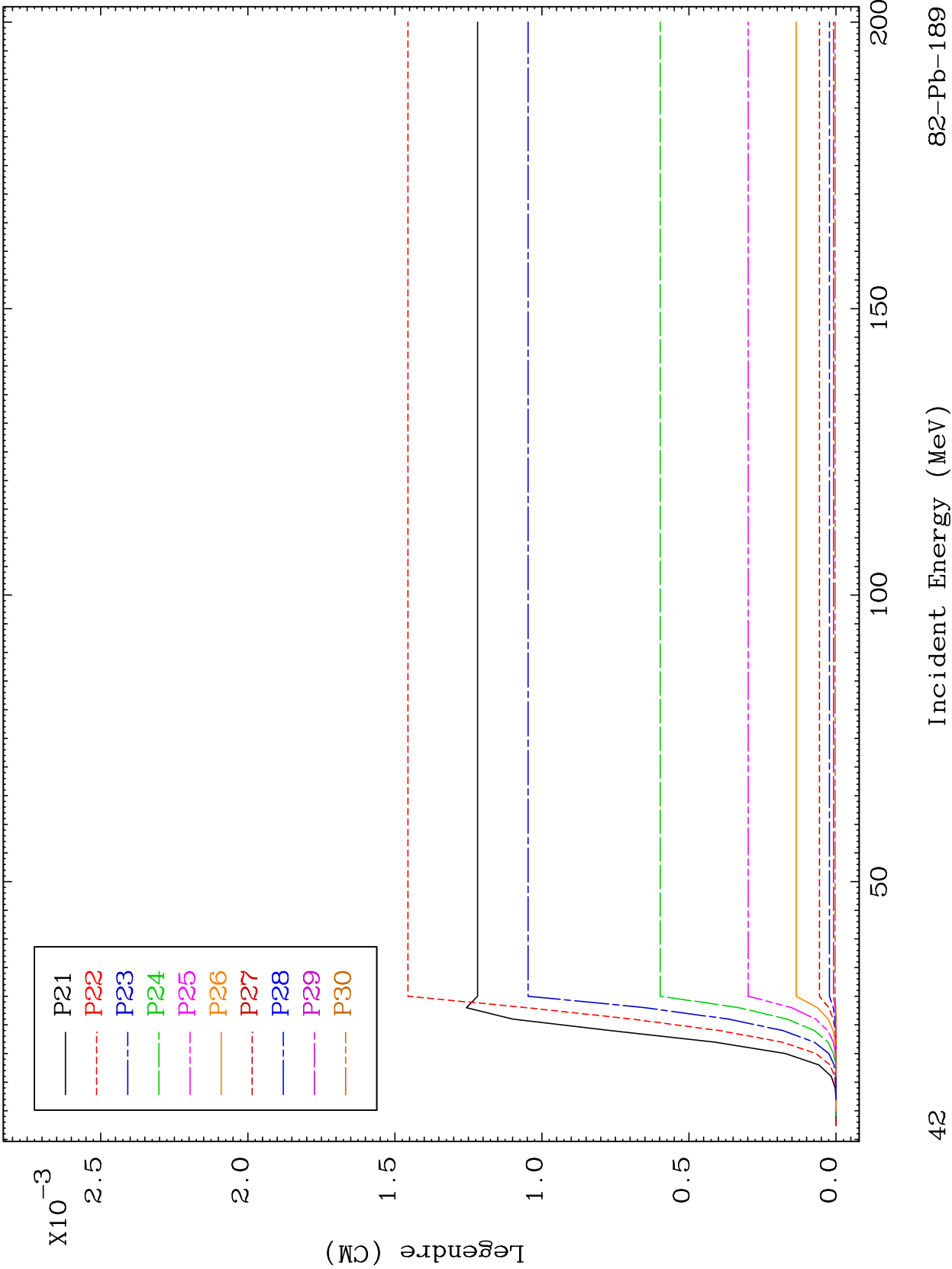
82-Pb-189



MAT 8180

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

82-Pb-189



42

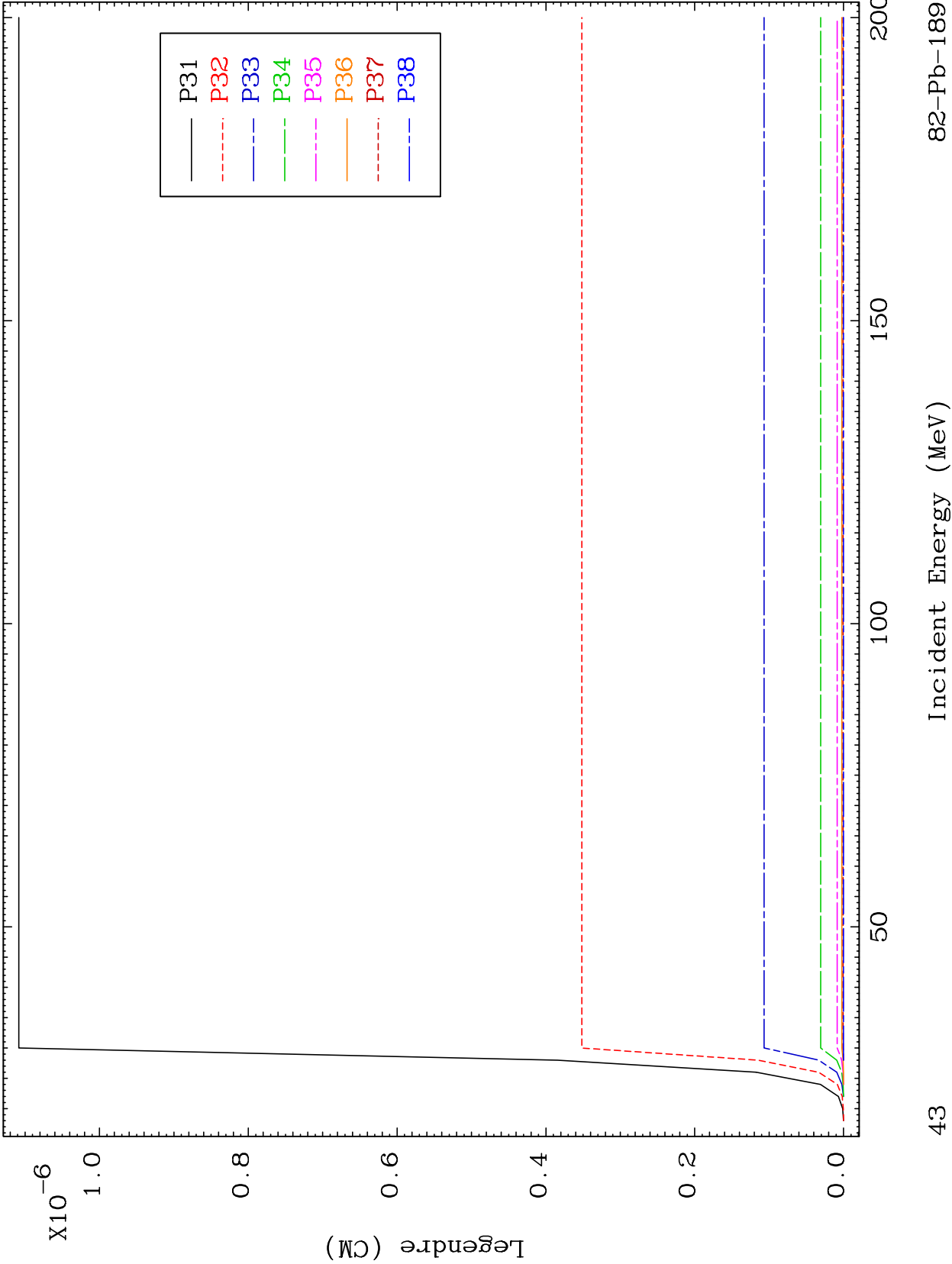
Incident Energy (MeV)

82-Pb-189

MAT 8180

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

82-Pb-189



43

Incident Energy (MeV)

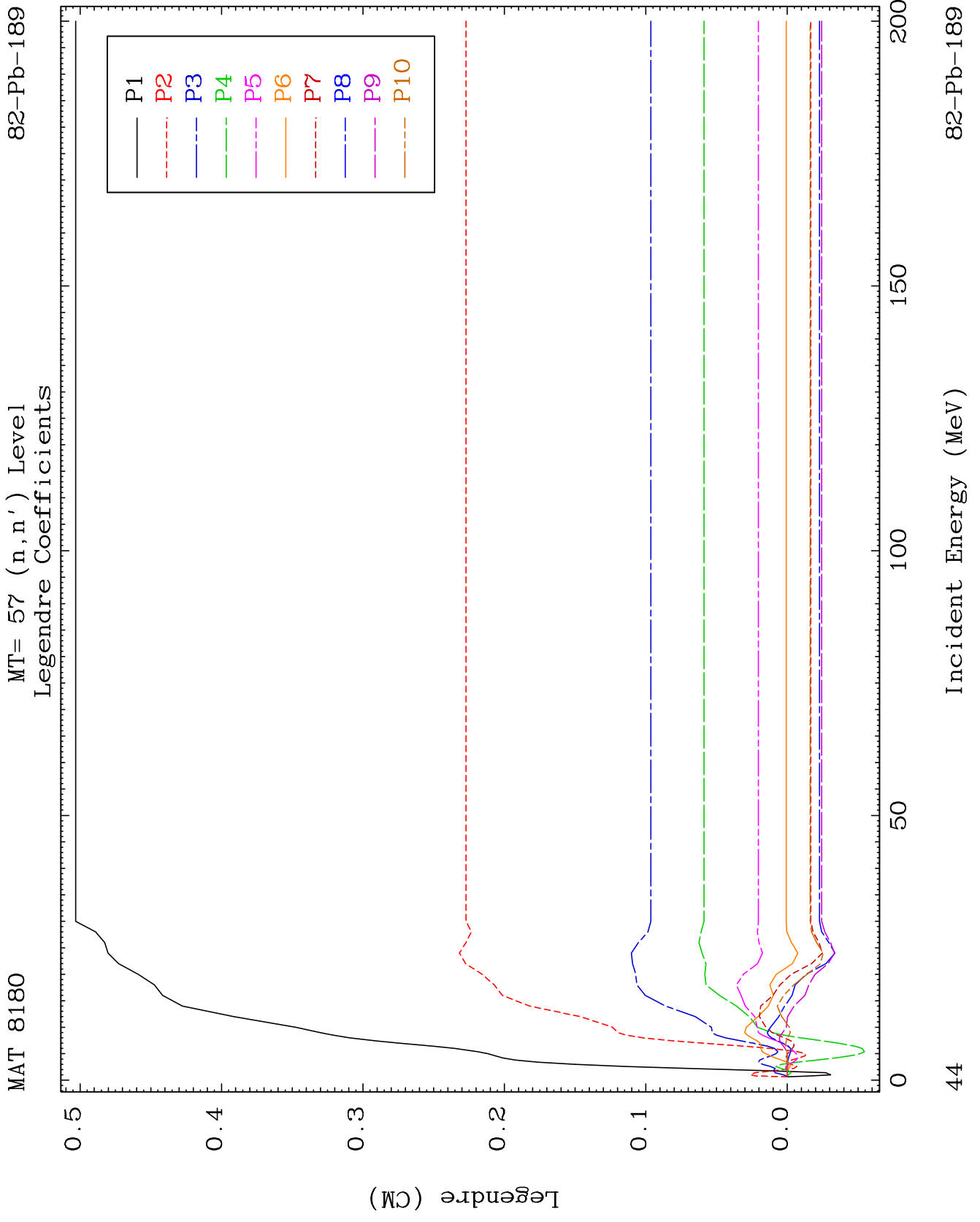
82-Pb-189

200

150

100

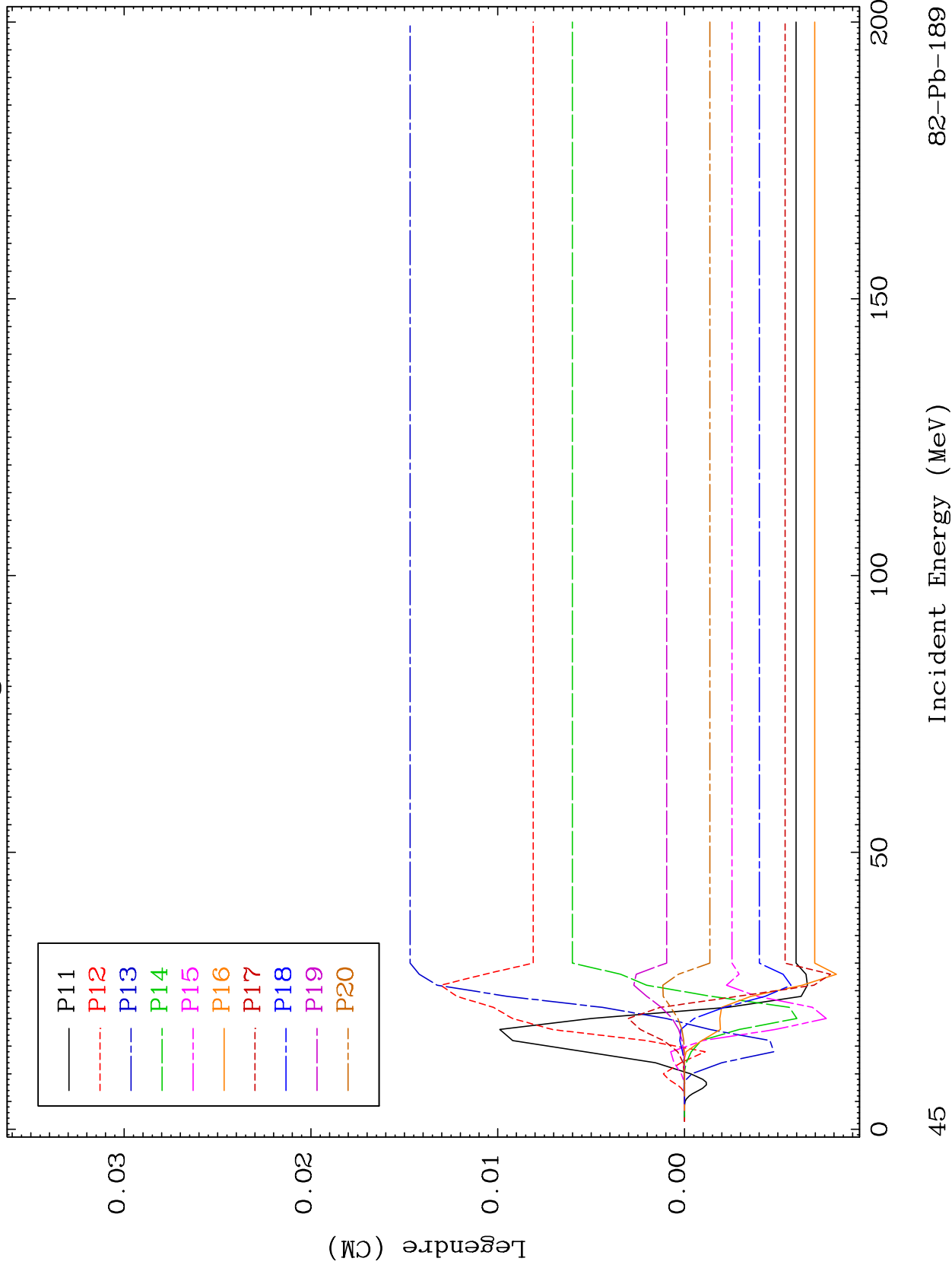
50



MAT 8180

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

82-Pb-189



82-Pb-189

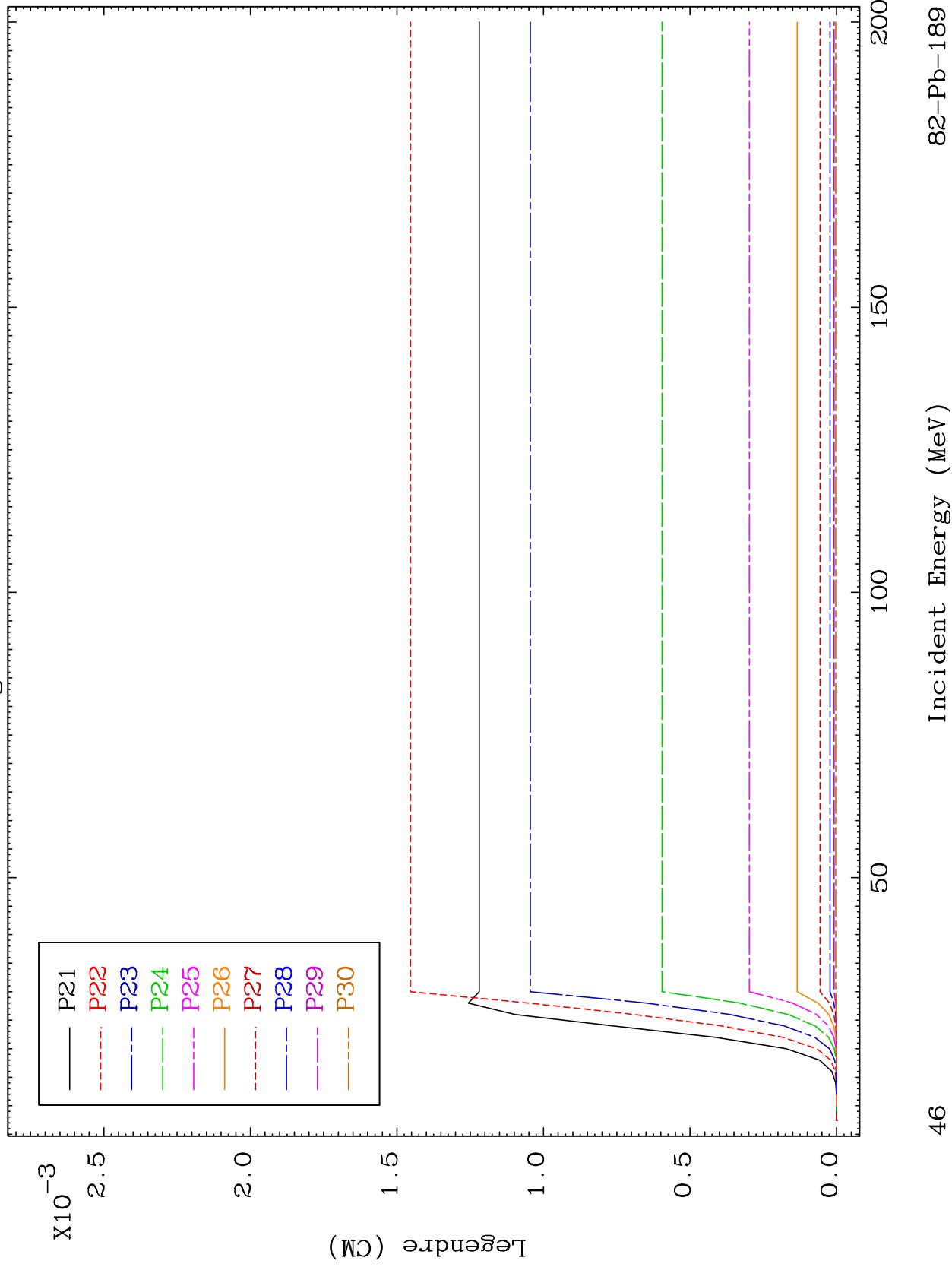
Incident Energy (MeV)

45

MAT 8180

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

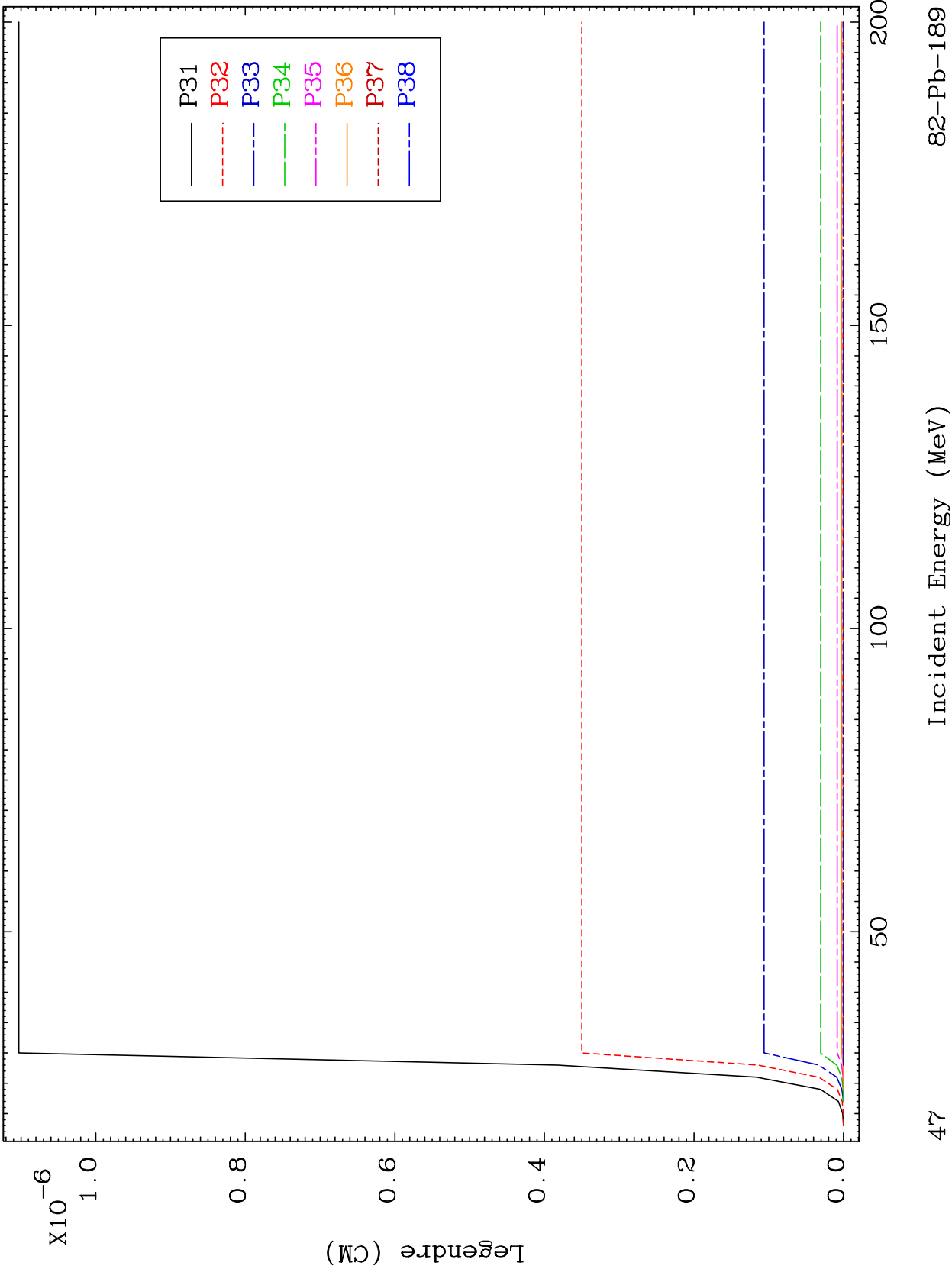
82-Pb-189



MAT 8180

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

82-Pb-189

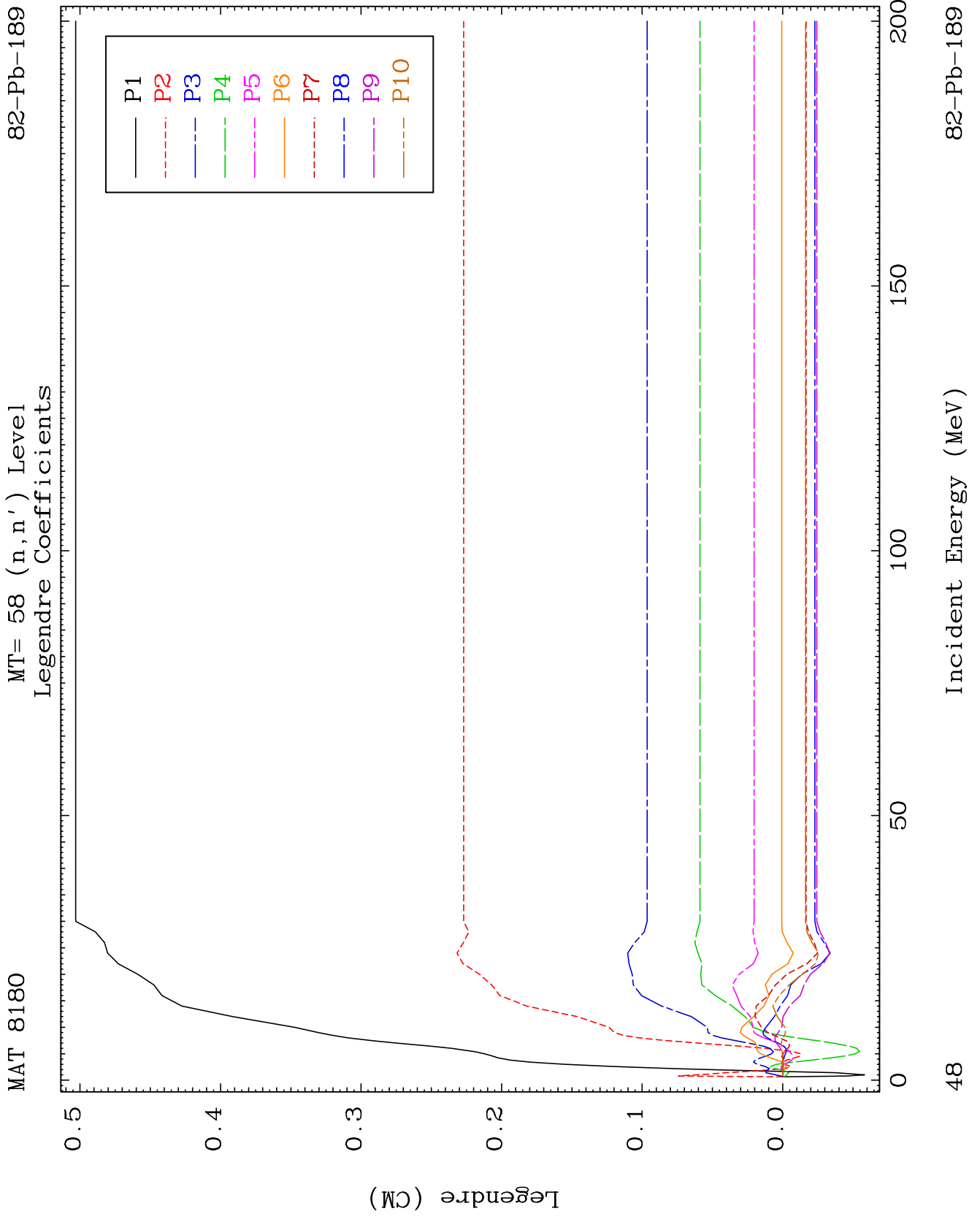


47

Incident Energy (MeV)

82-Pb-189

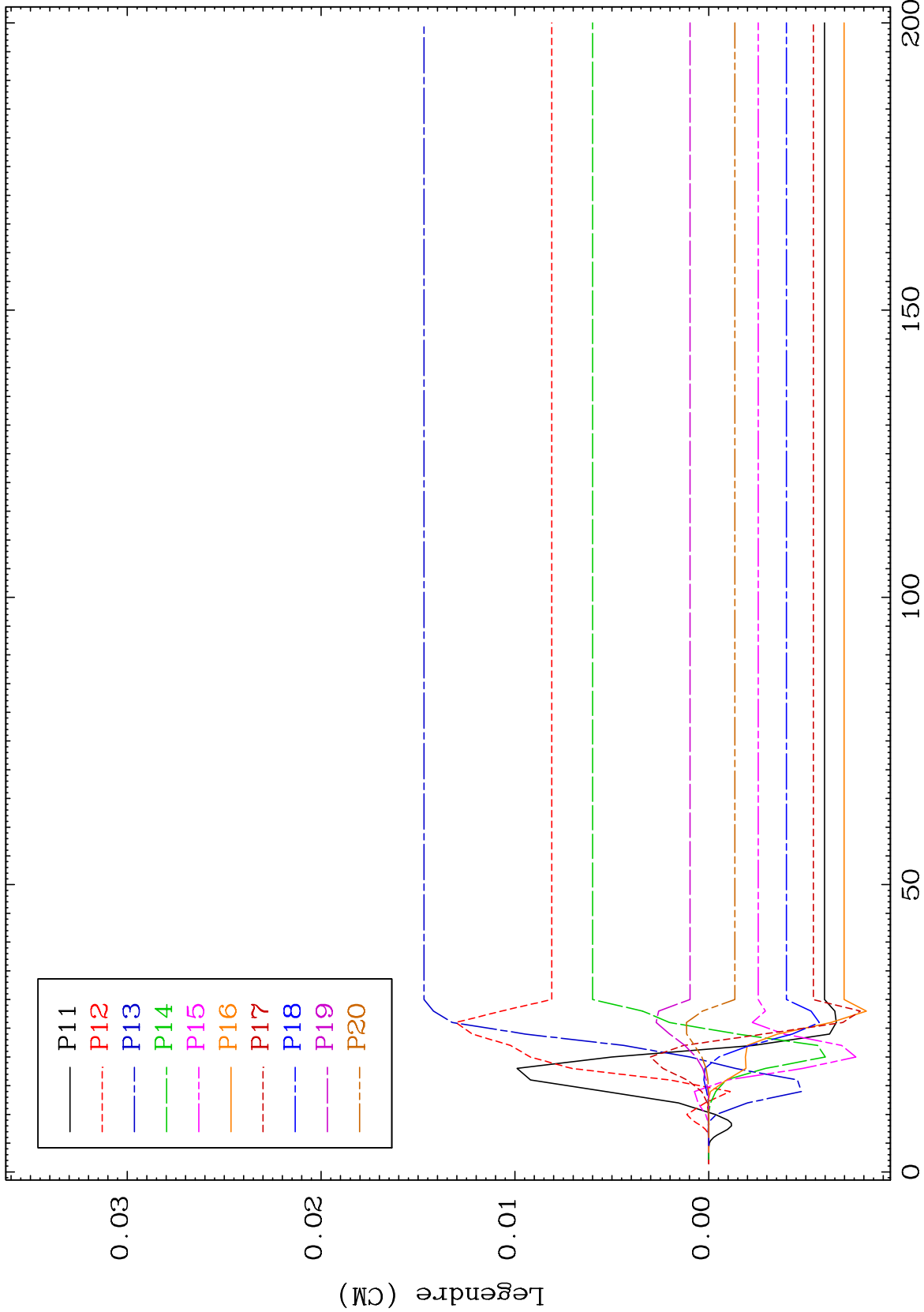




MAT 8180

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

82-Pb-189



49

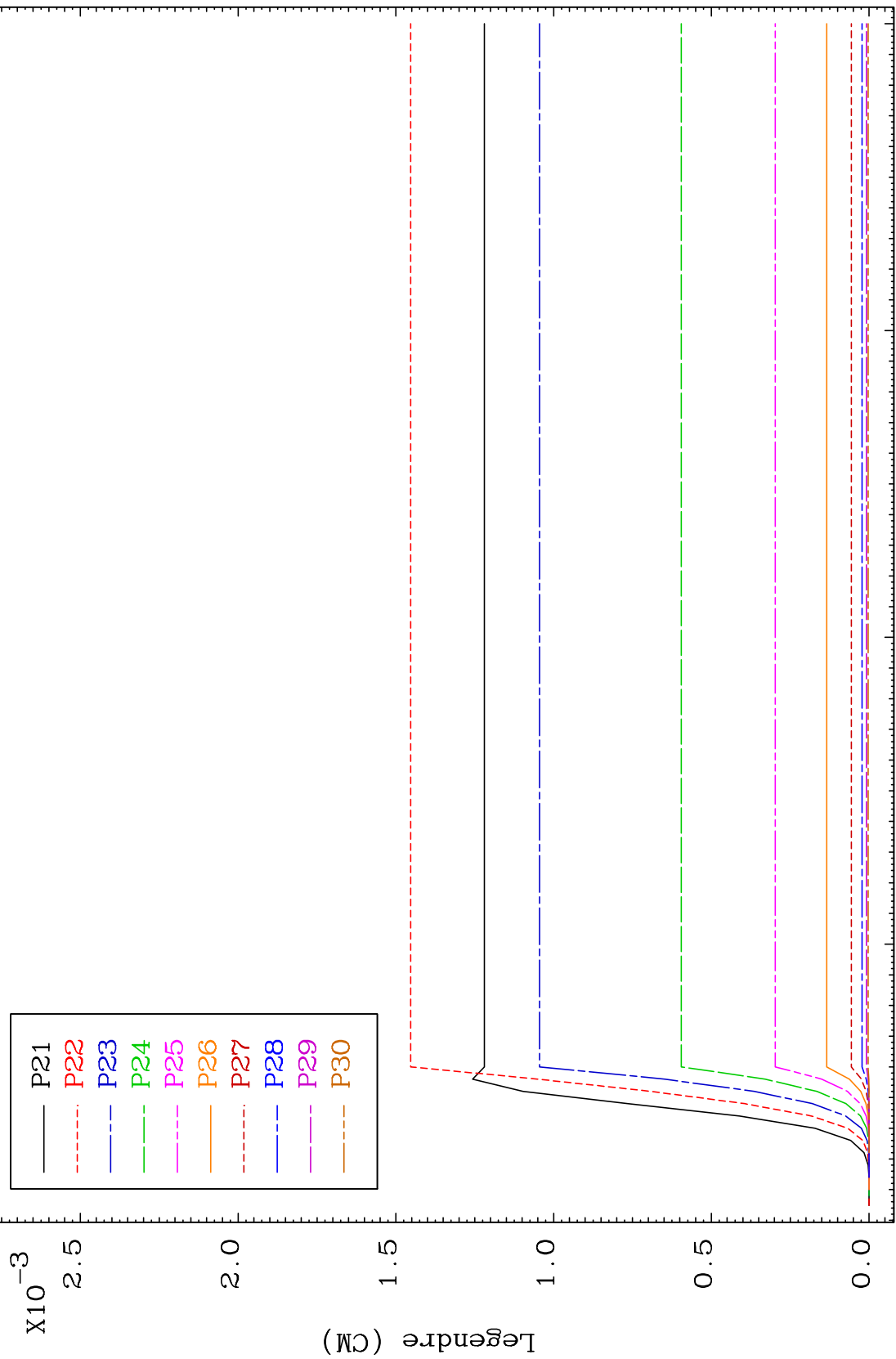
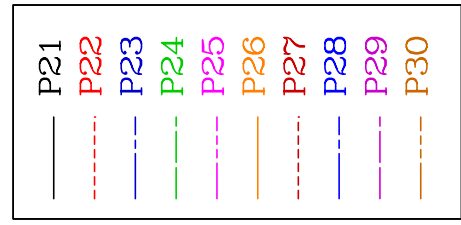
Incident Energy (MeV)

82-Pb-189

MAT 8180

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

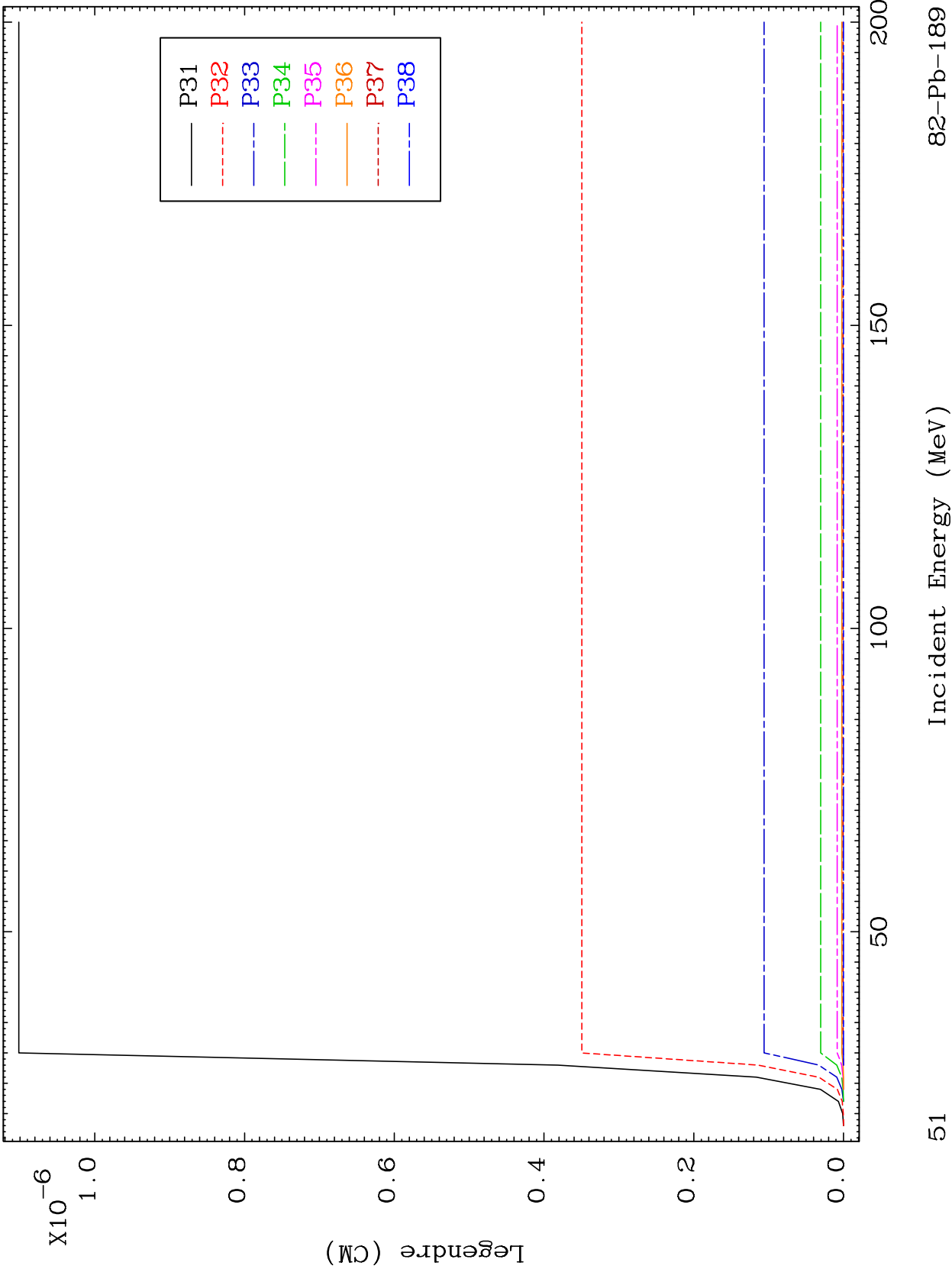
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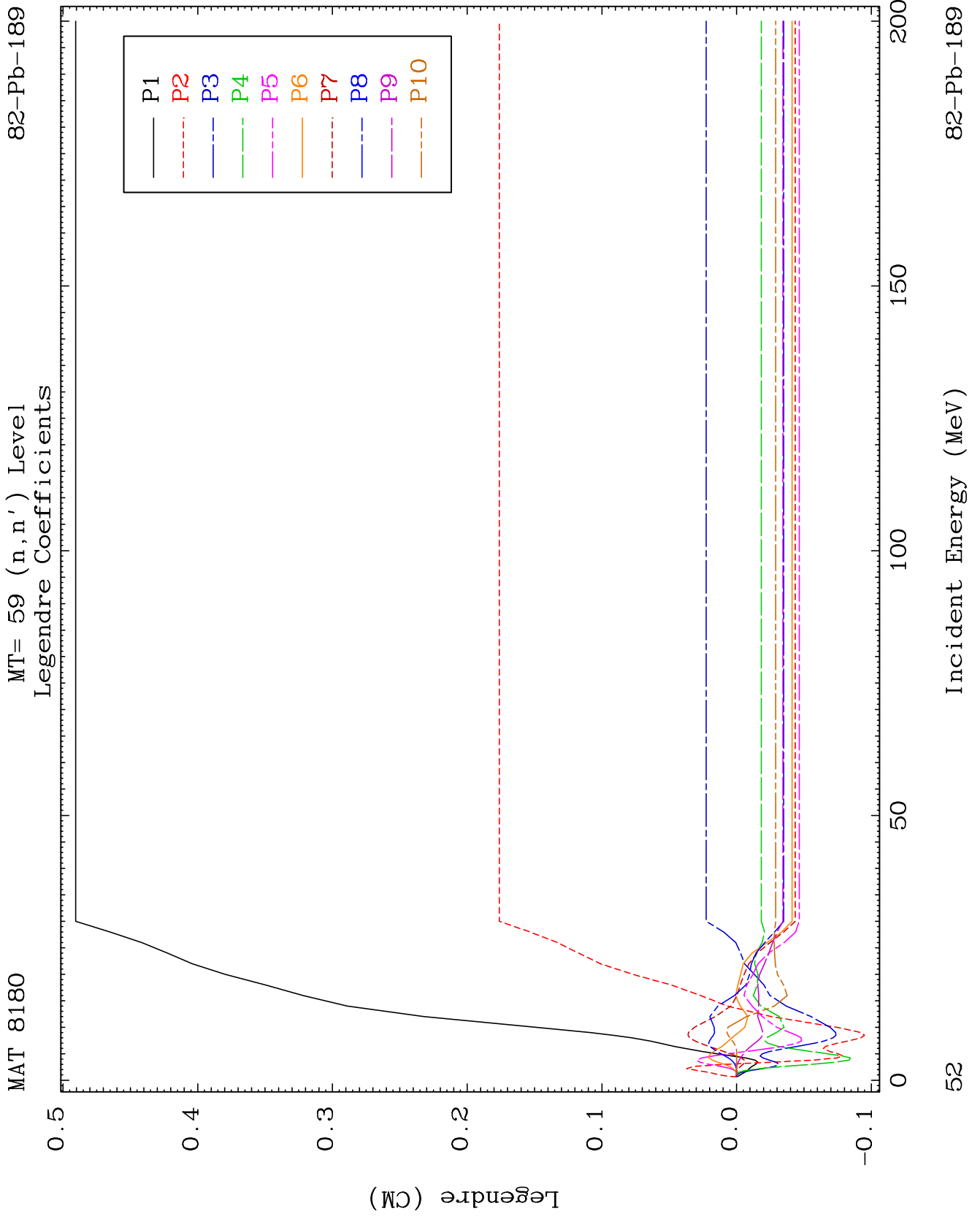


50

Incident Energy (MeV)

82-Pb-189





82-Pb-189

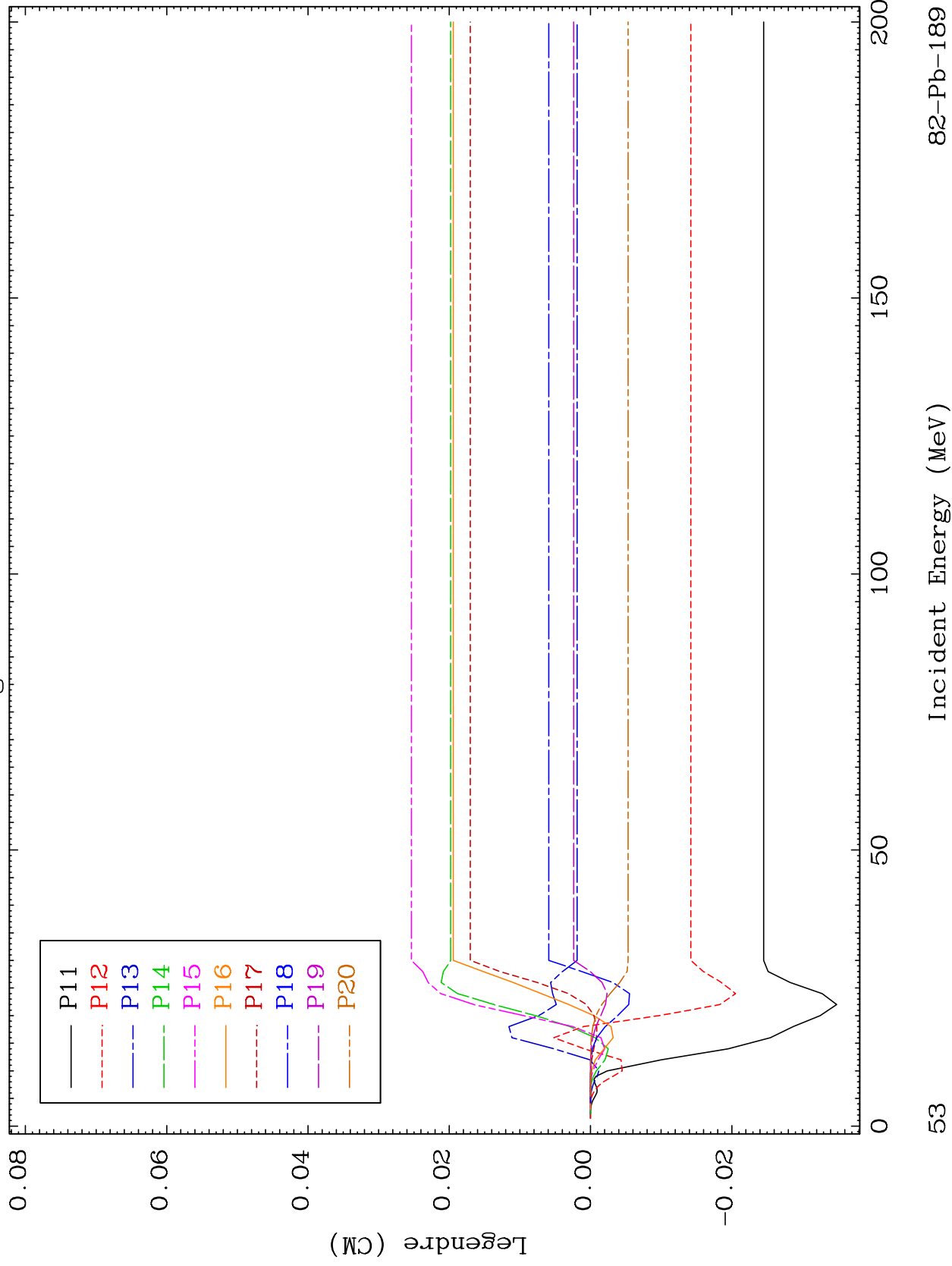
Incident Energy (MeV)

52

MAT 8180

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

82-Pb-189



53

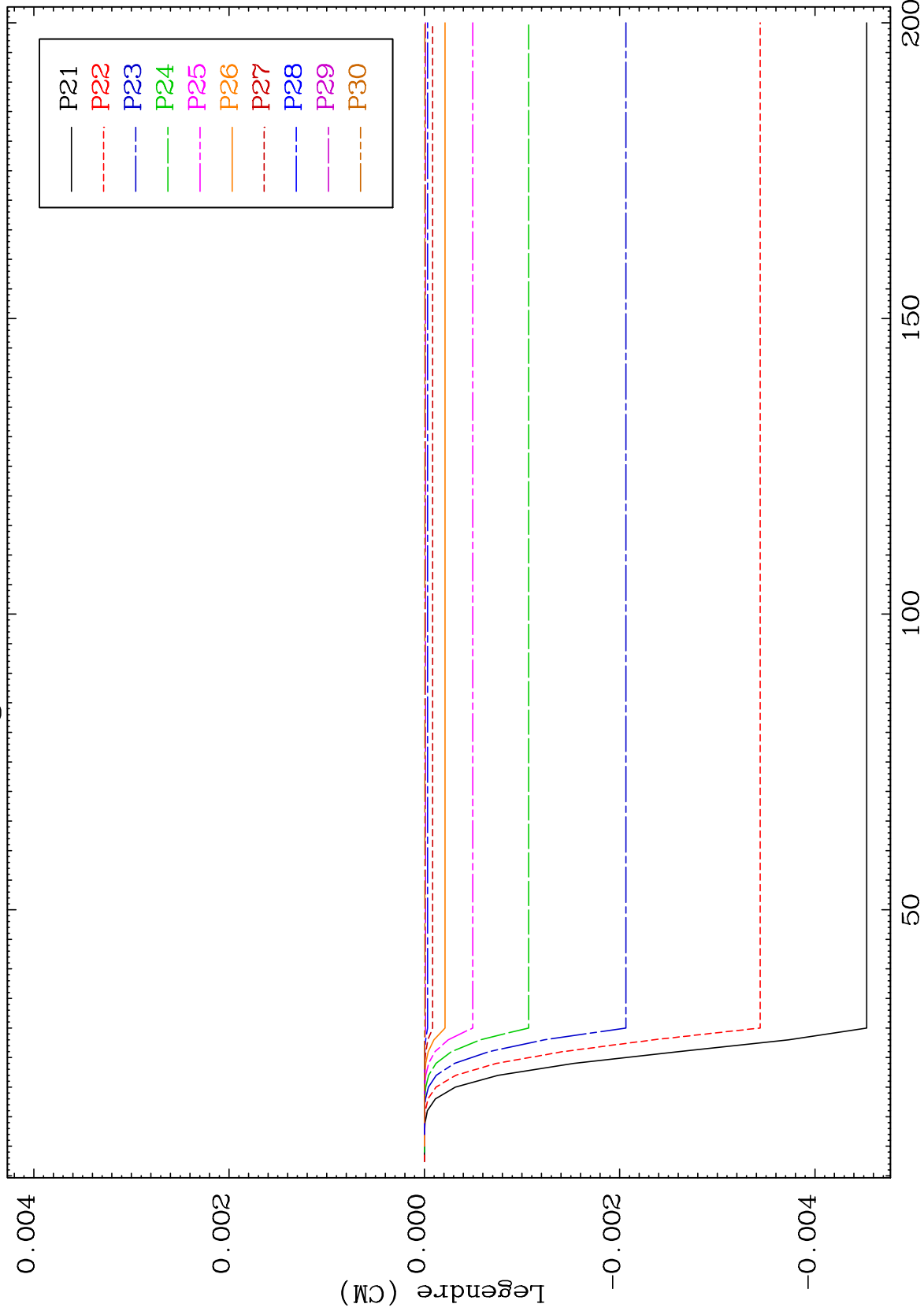
Incident Energy (MeV)

82-Pb-189

MAT 8180

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

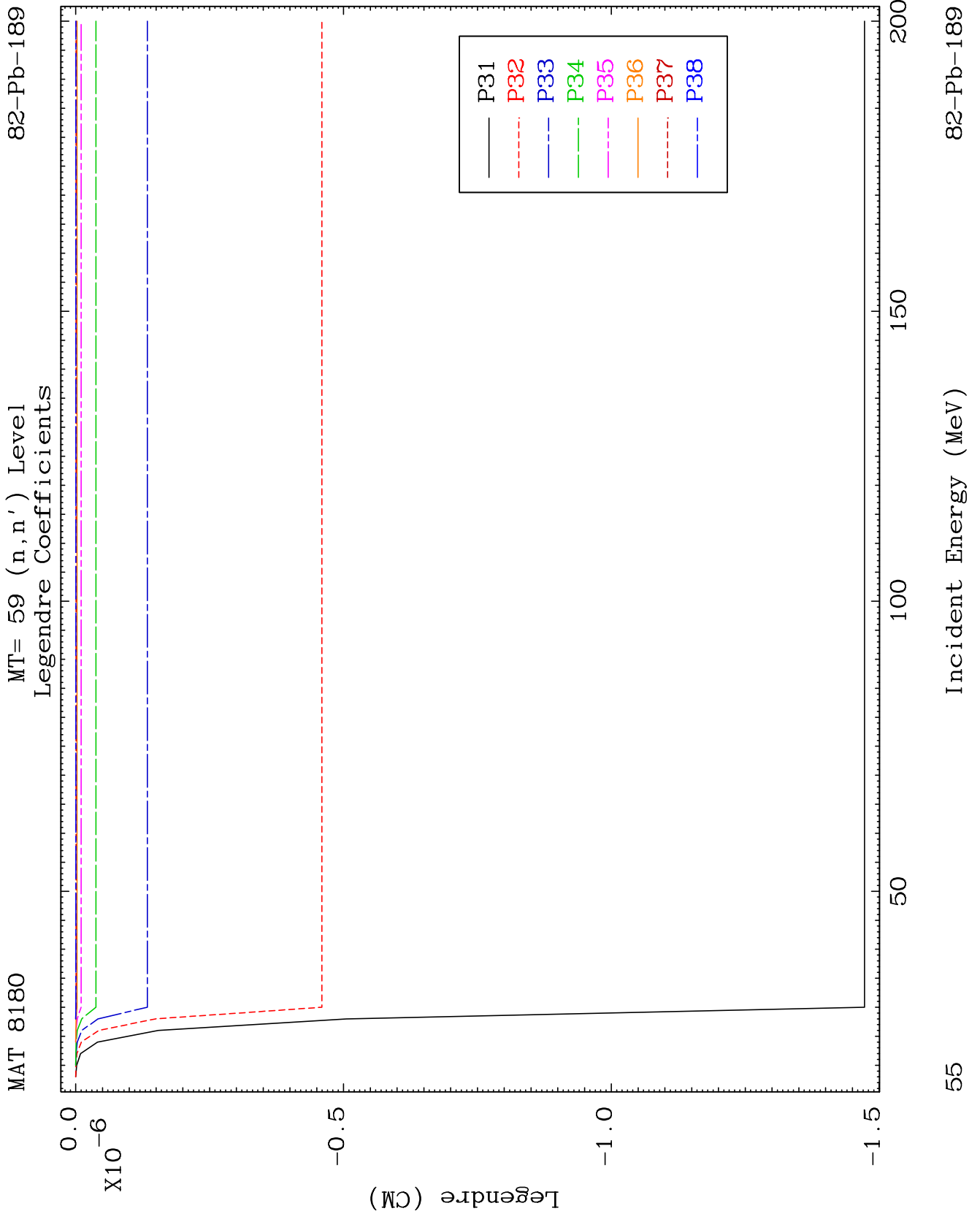
82-Pb-189



54

Incident Energy (MeV)

82-Pb-189

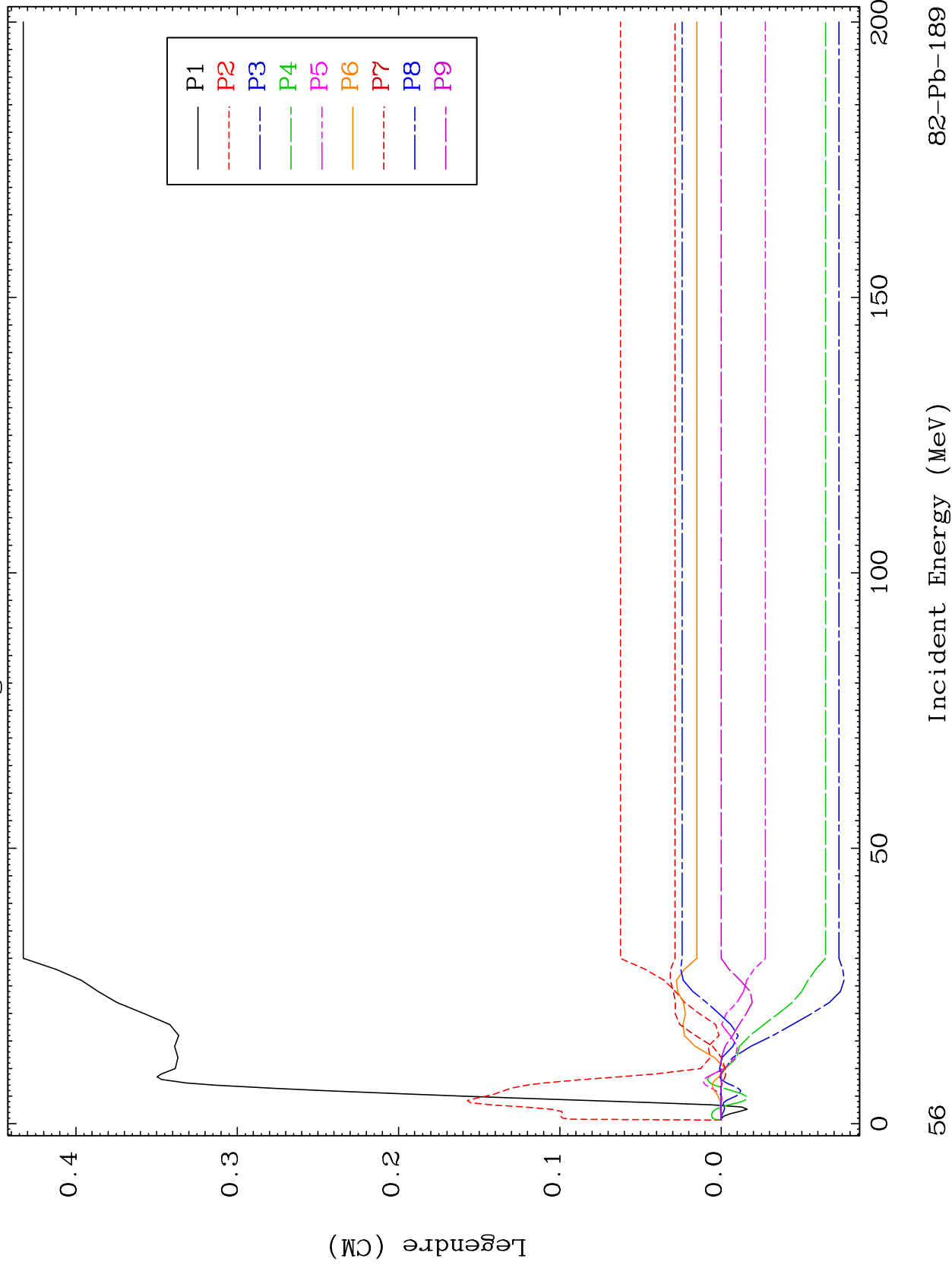




MAT 8180

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

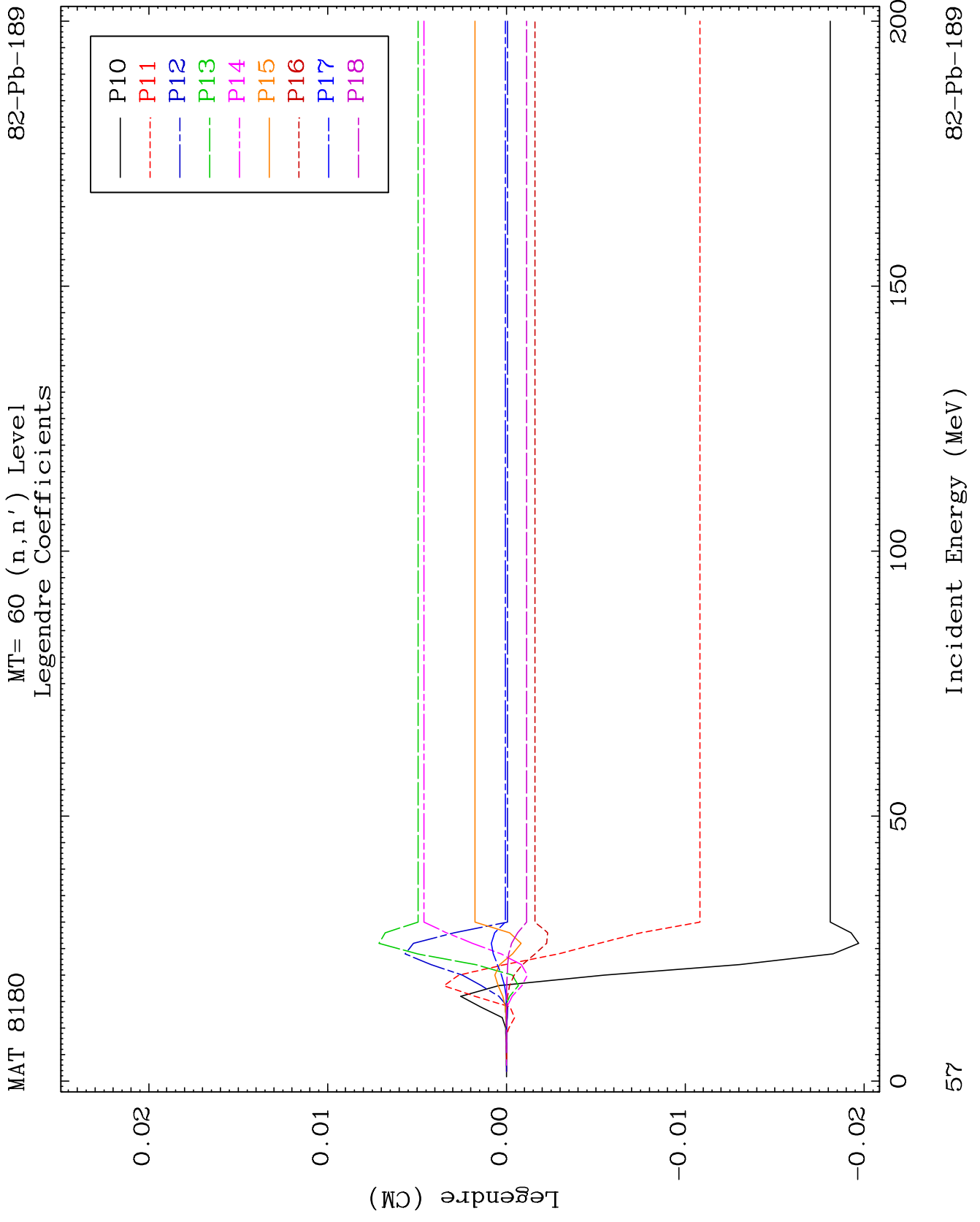
82-Pb-189



56

Incident Energy (MeV)

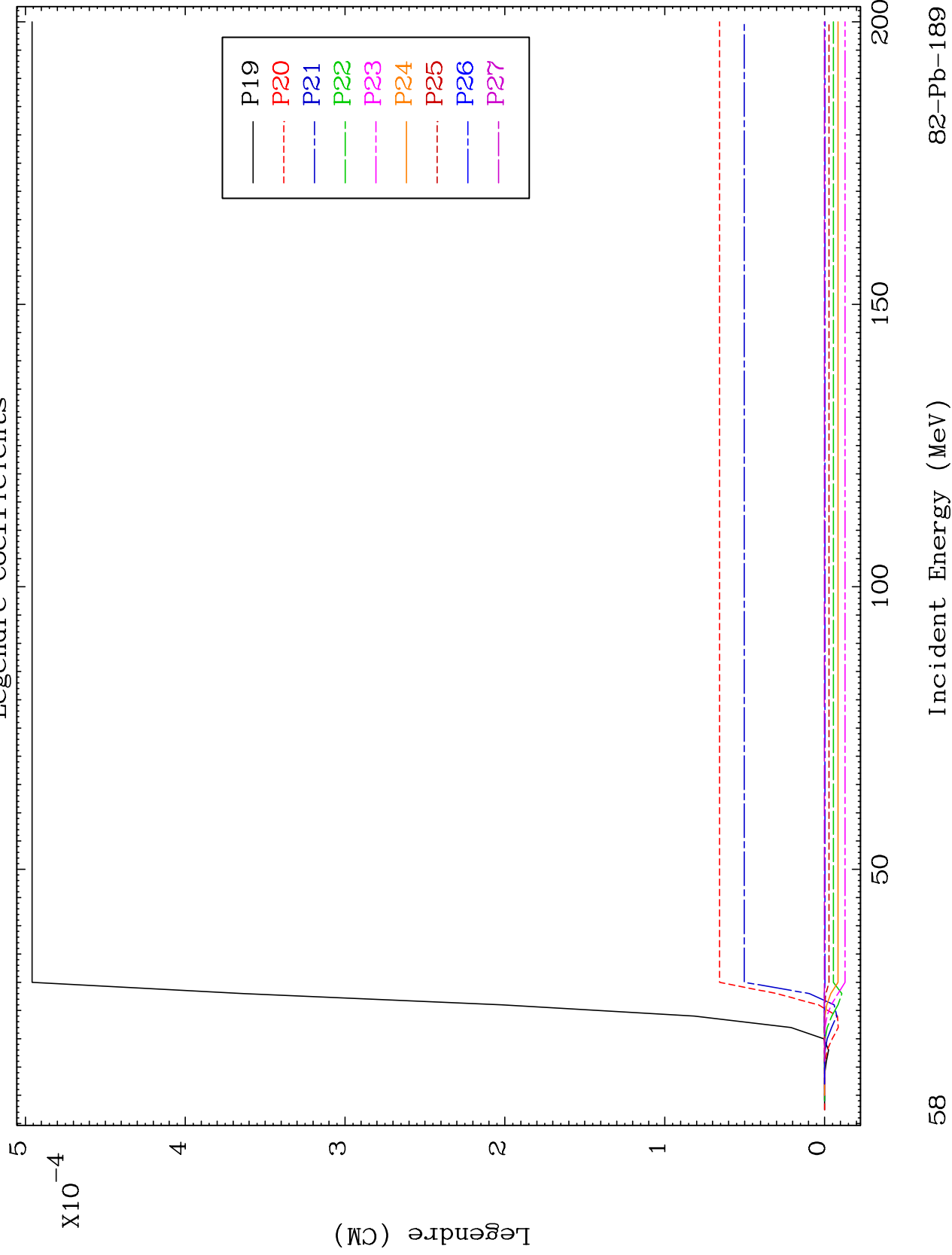
82-Pb-189



MAT 8180

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

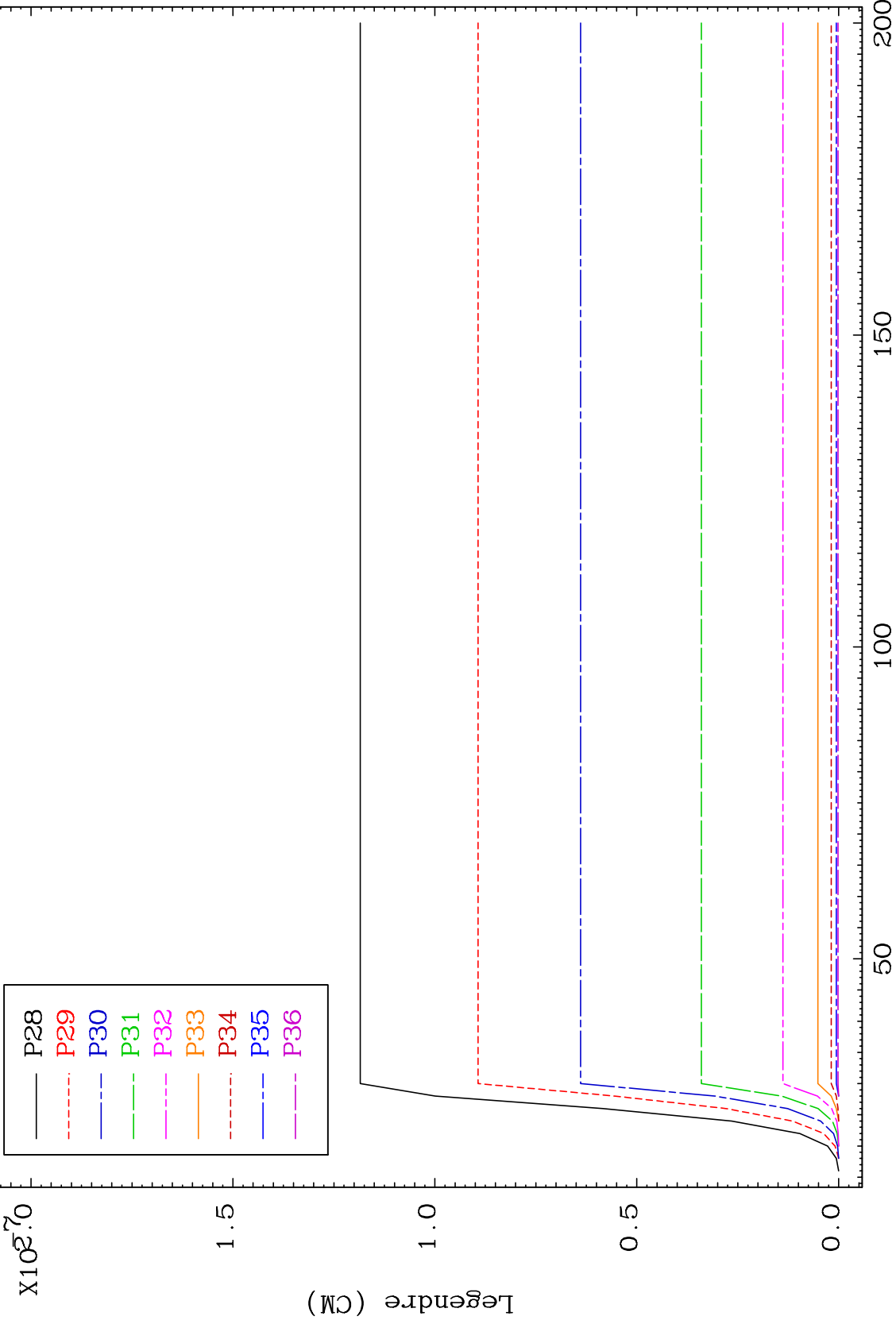
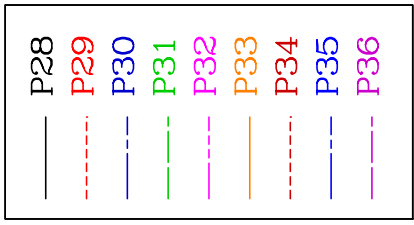
82-Pb-189



MAT 8180

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

82-Pb-189

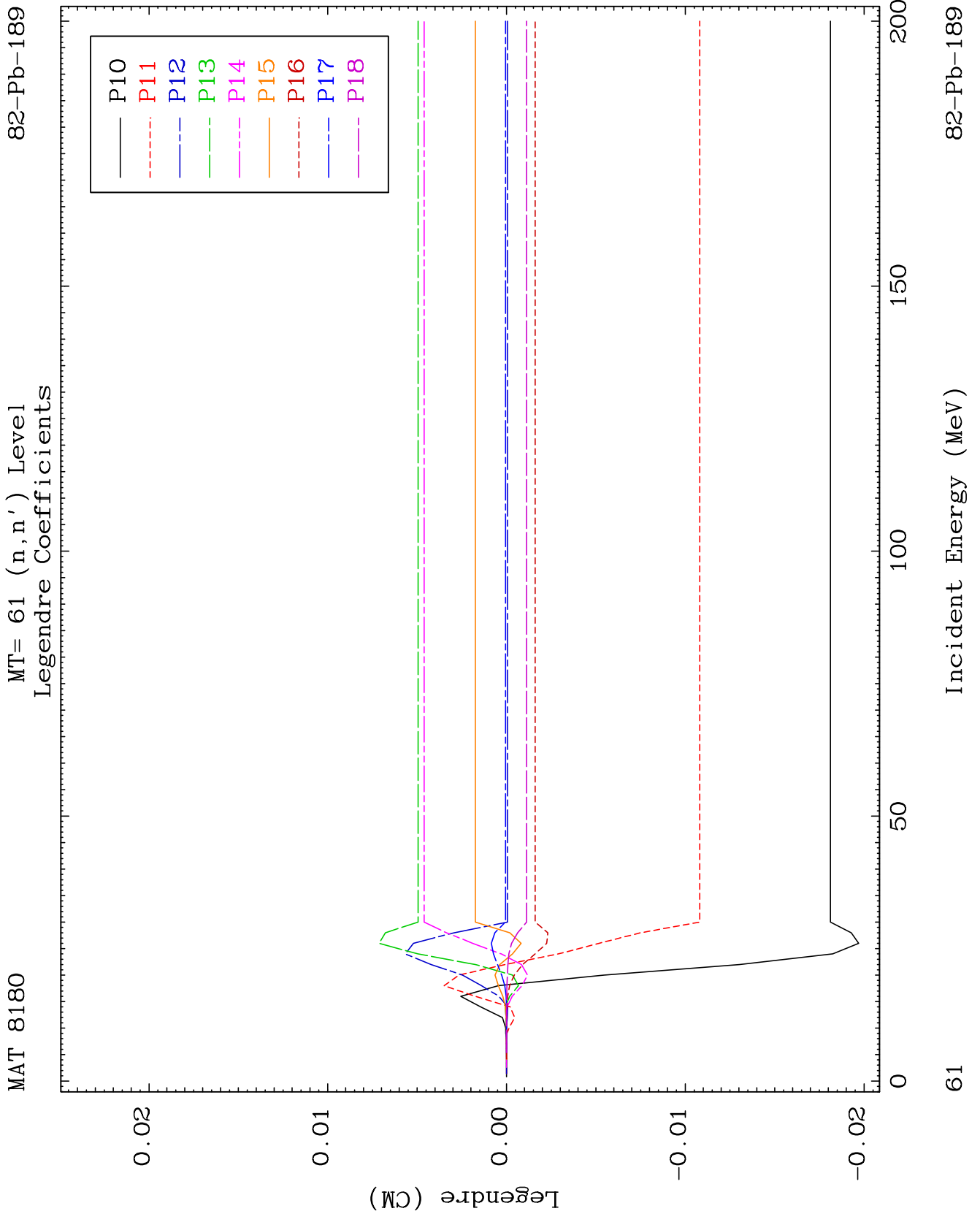


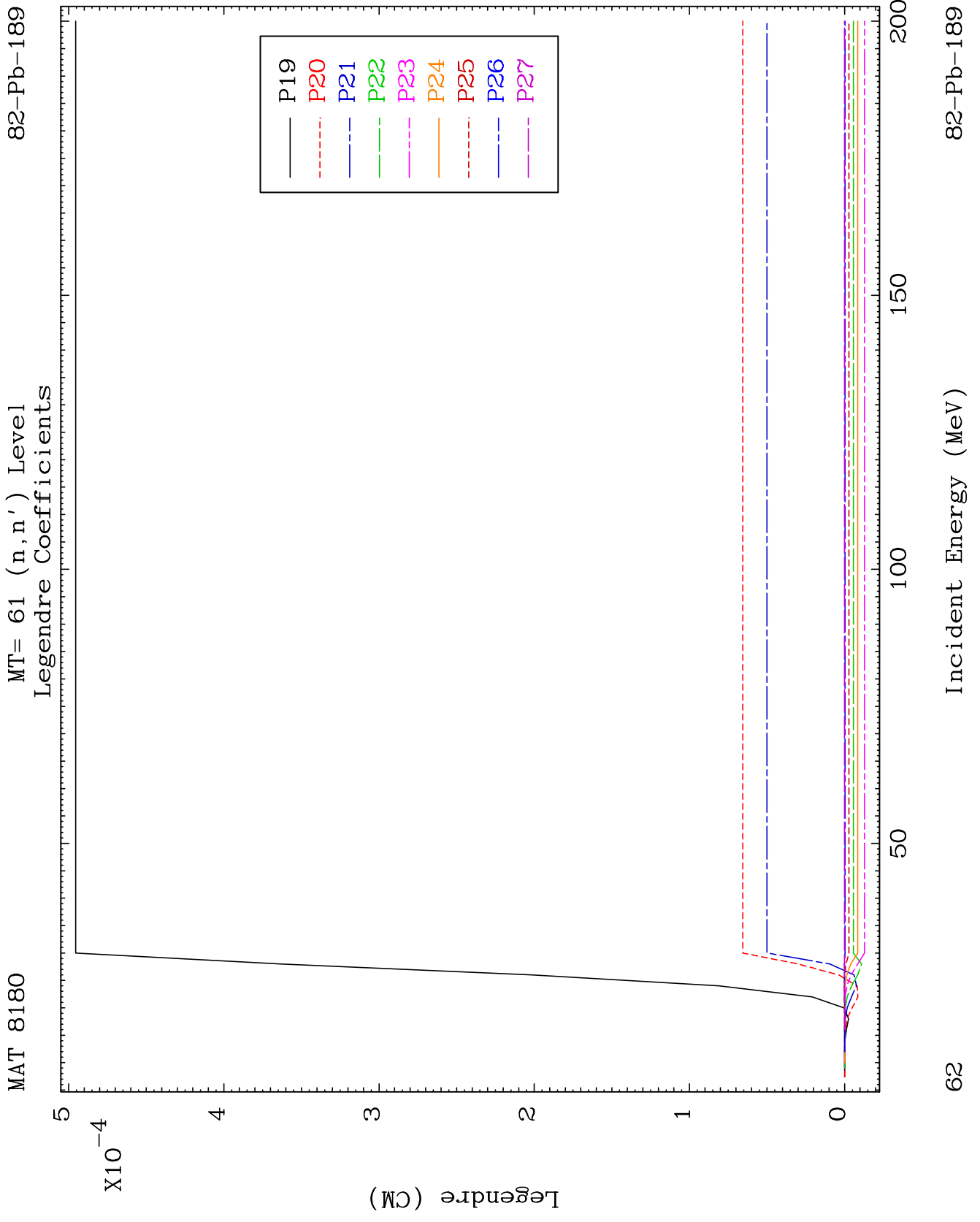
59

Incident Energy (MeV)

82-Pb-189



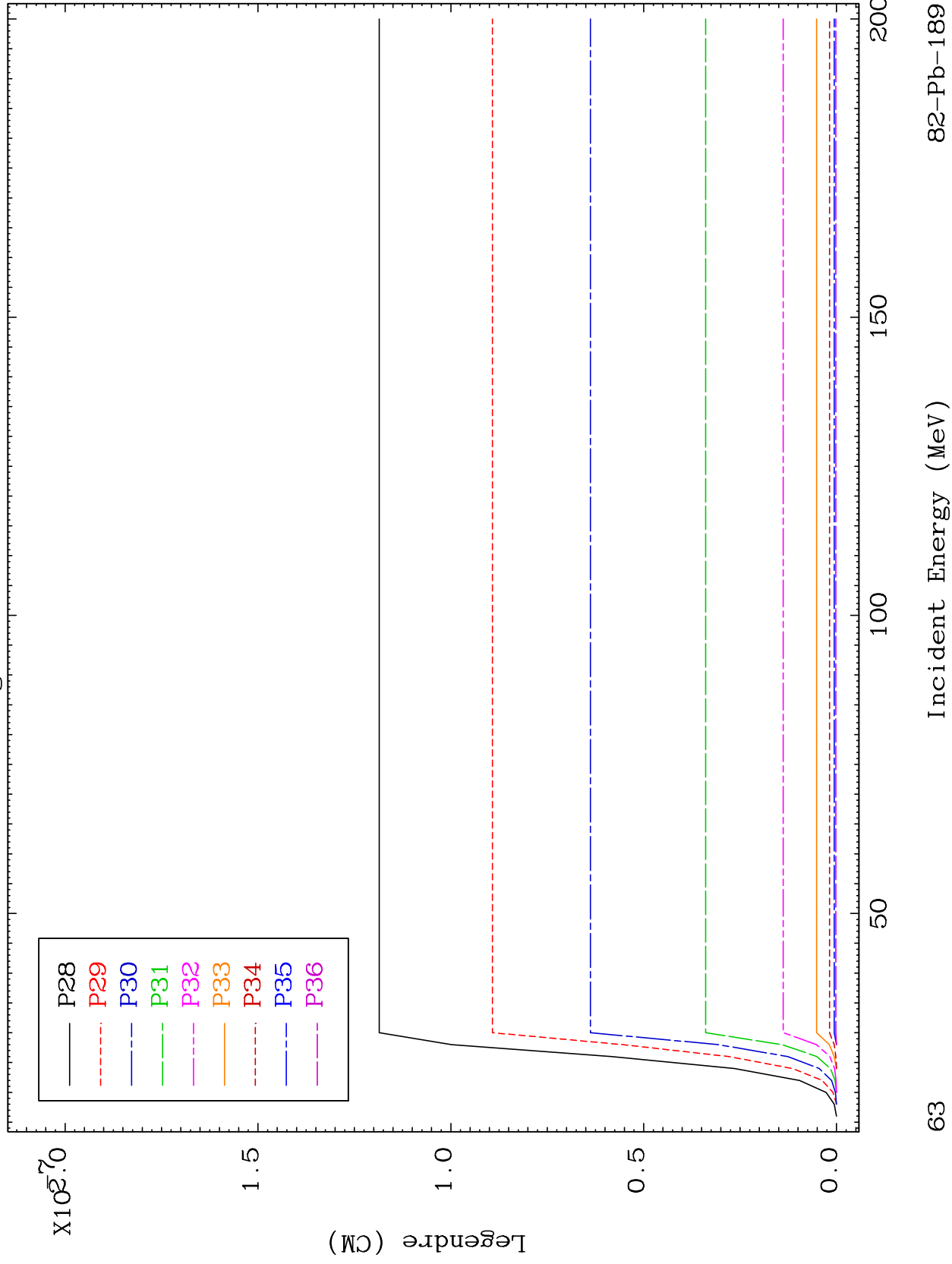




MAT 8180

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

82-Pb-189

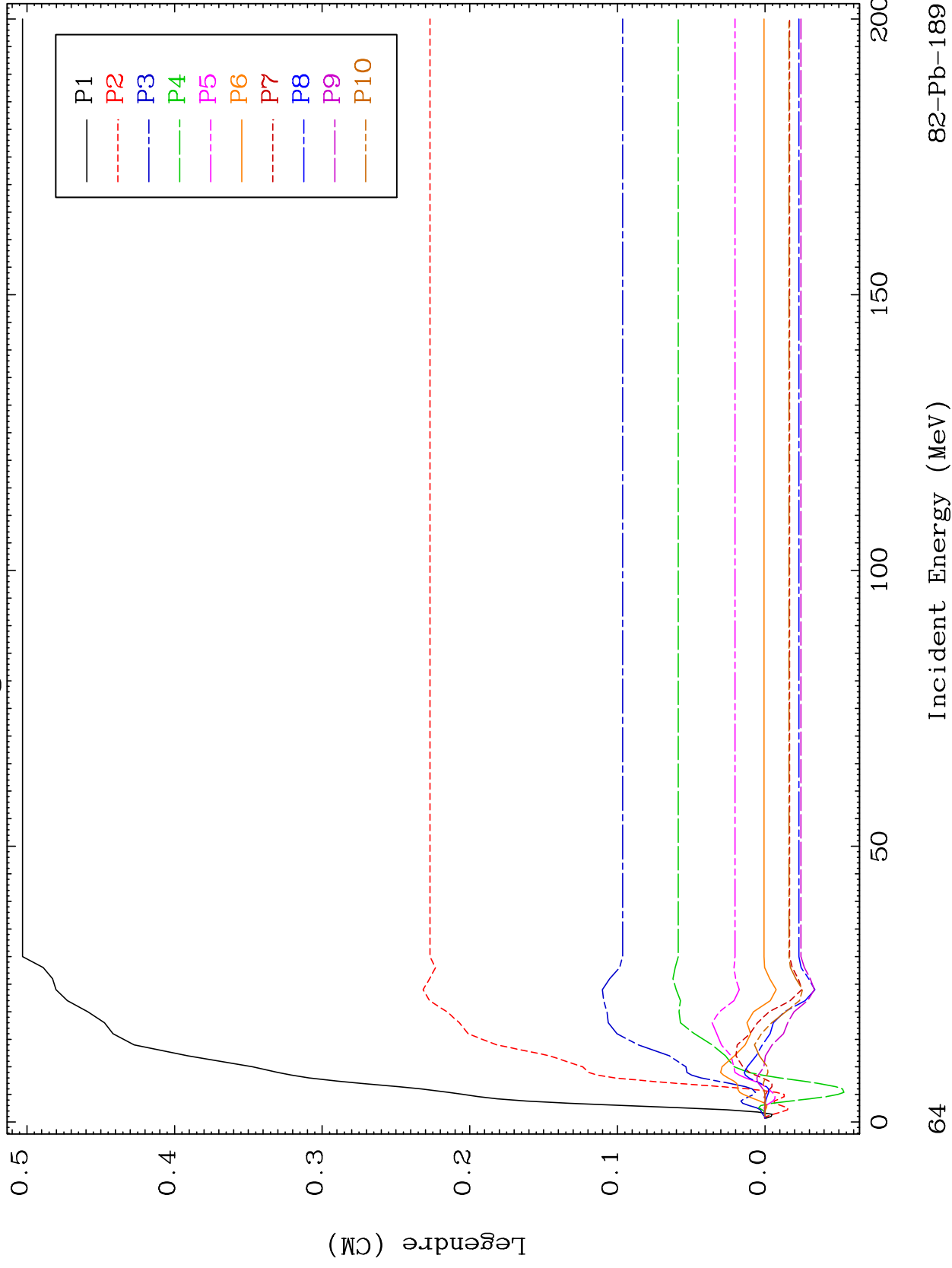




MAT 8180

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

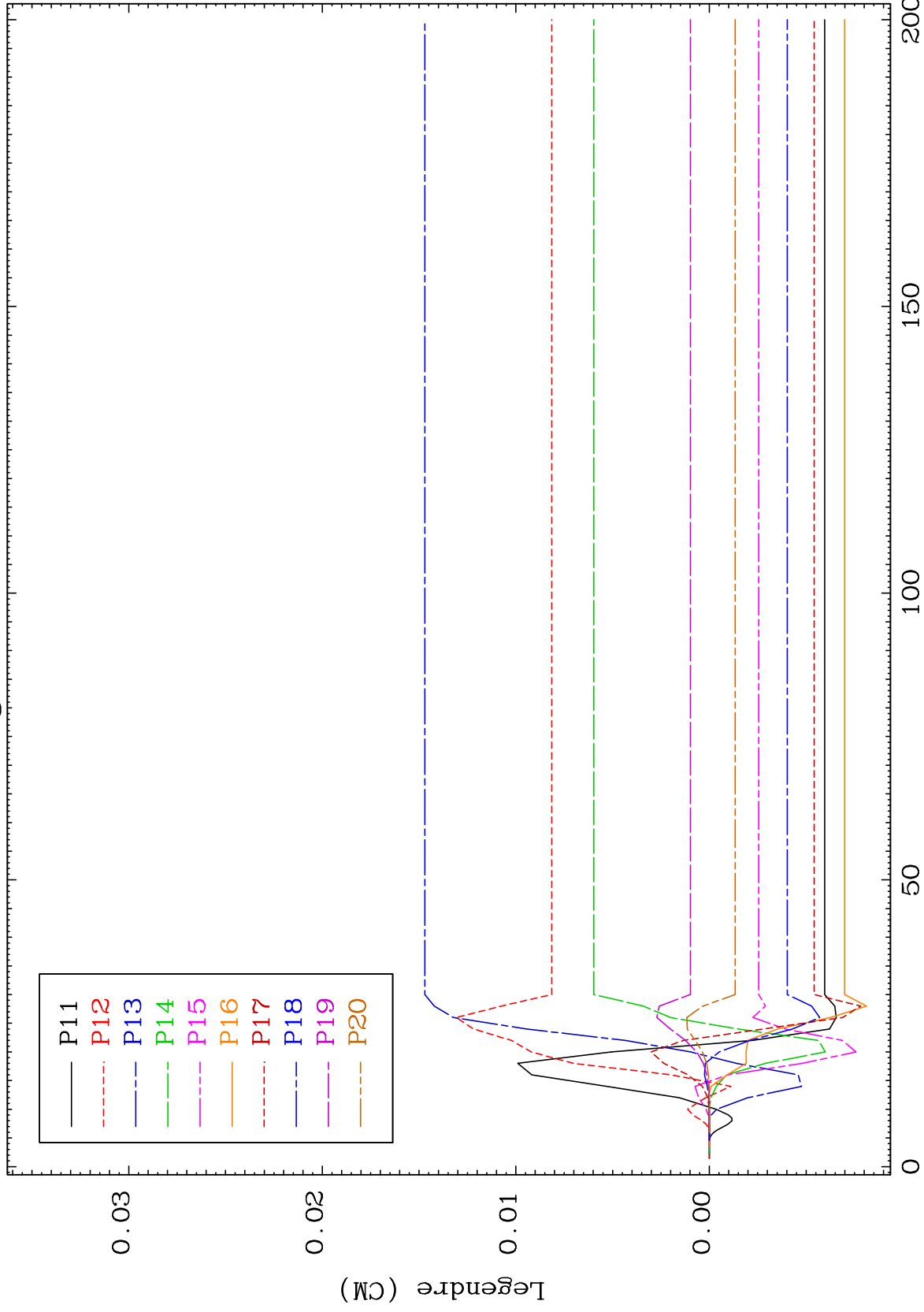
82-Pb-189



MAT 8180

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

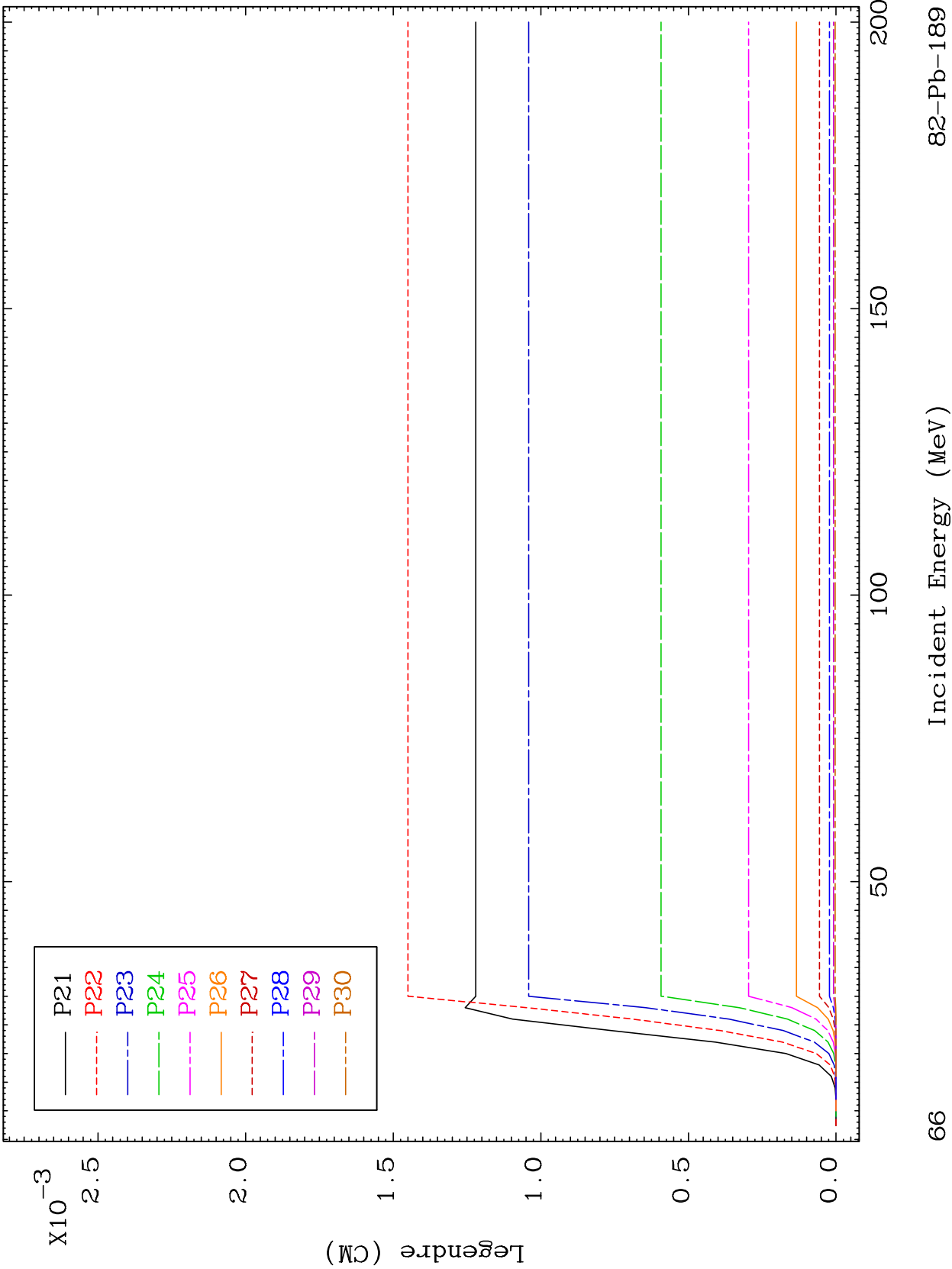
82-Pb-189



65

Incident Energy (MeV)

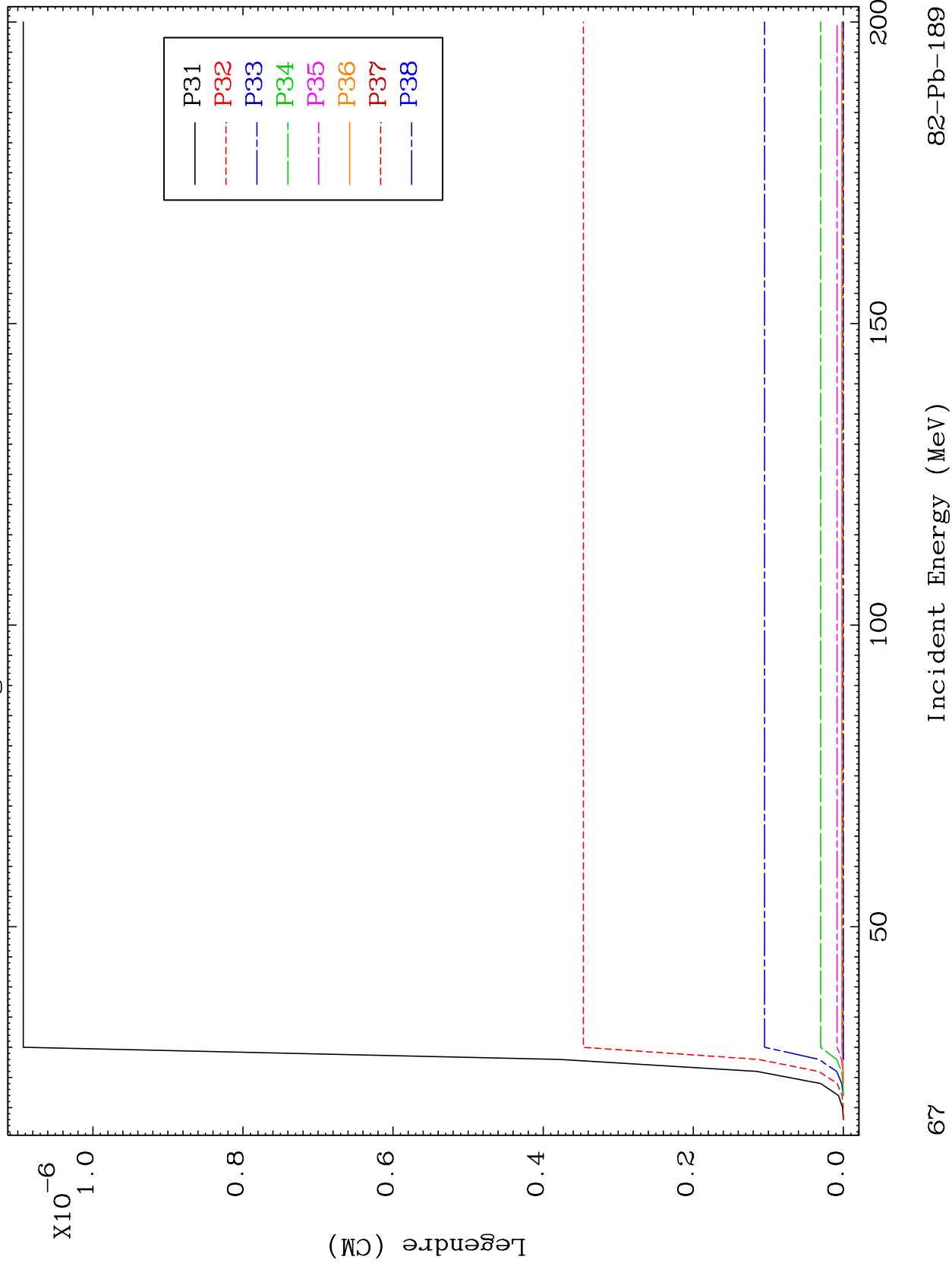
82-Pb-189



MAT 8180

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

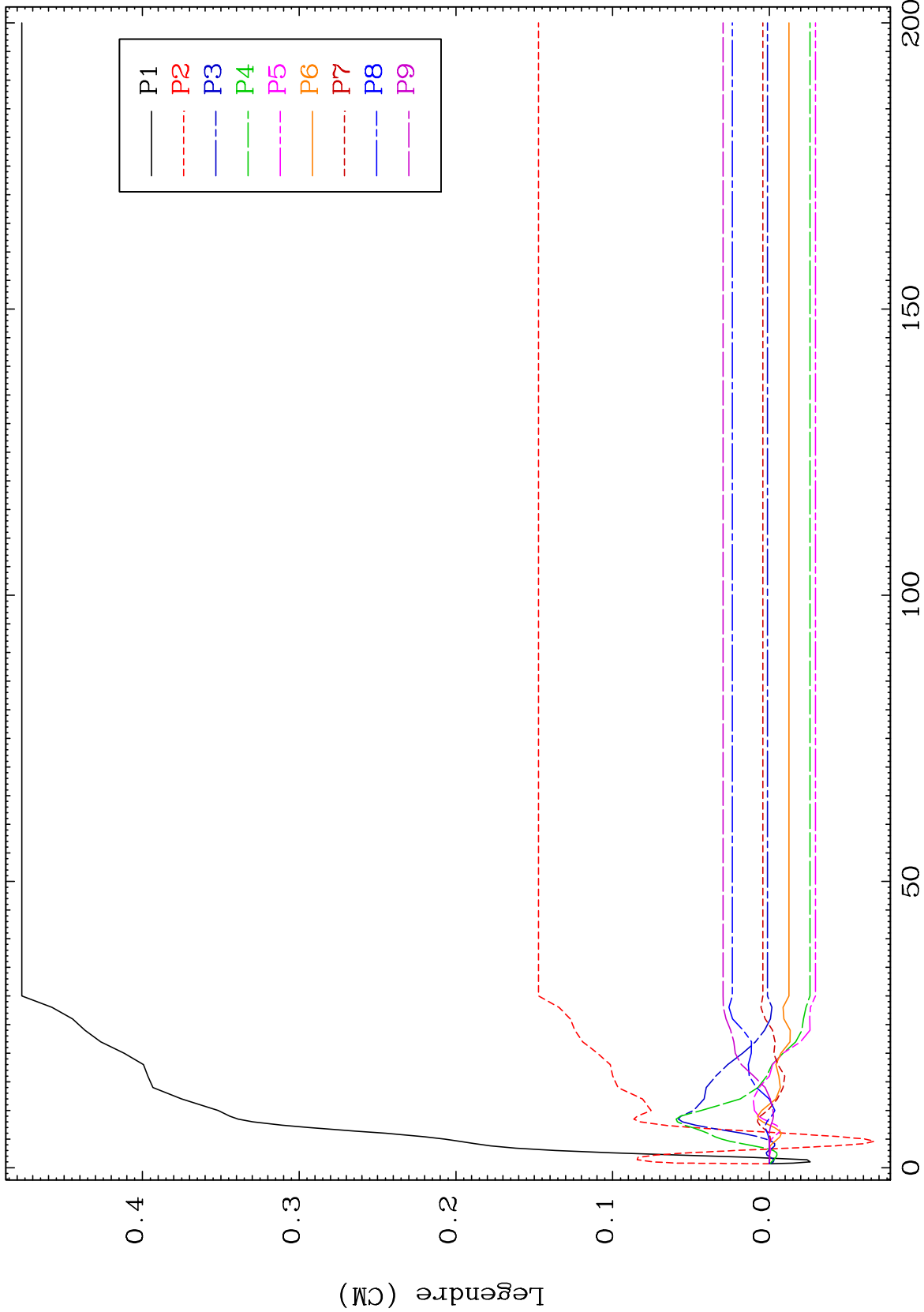
82-Pb-189



MAT 8180

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

82-Pb-189



68

Incident Energy (MeV)

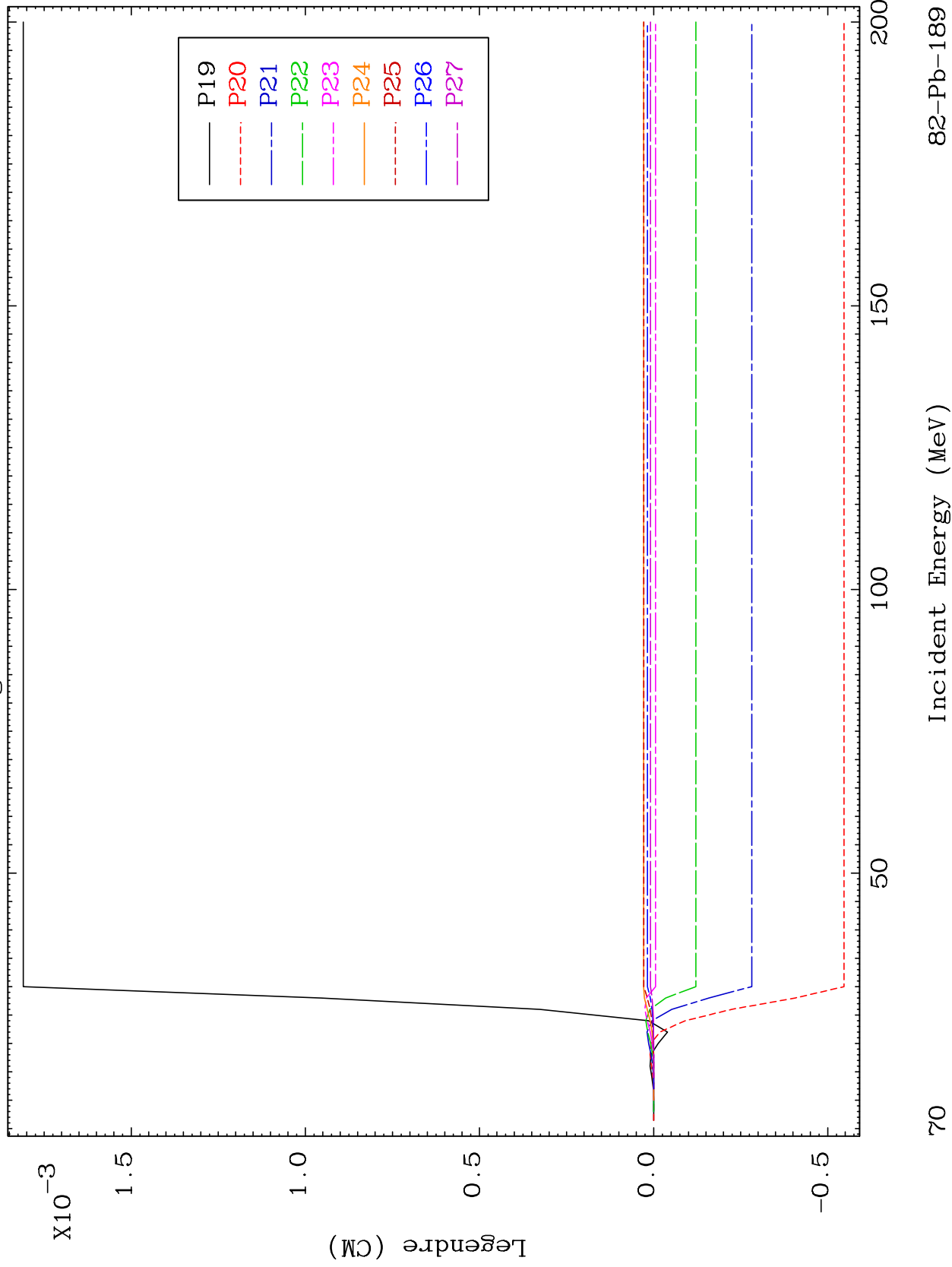
82-Pb-189



MAT 8180

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

82-Pb-189



70

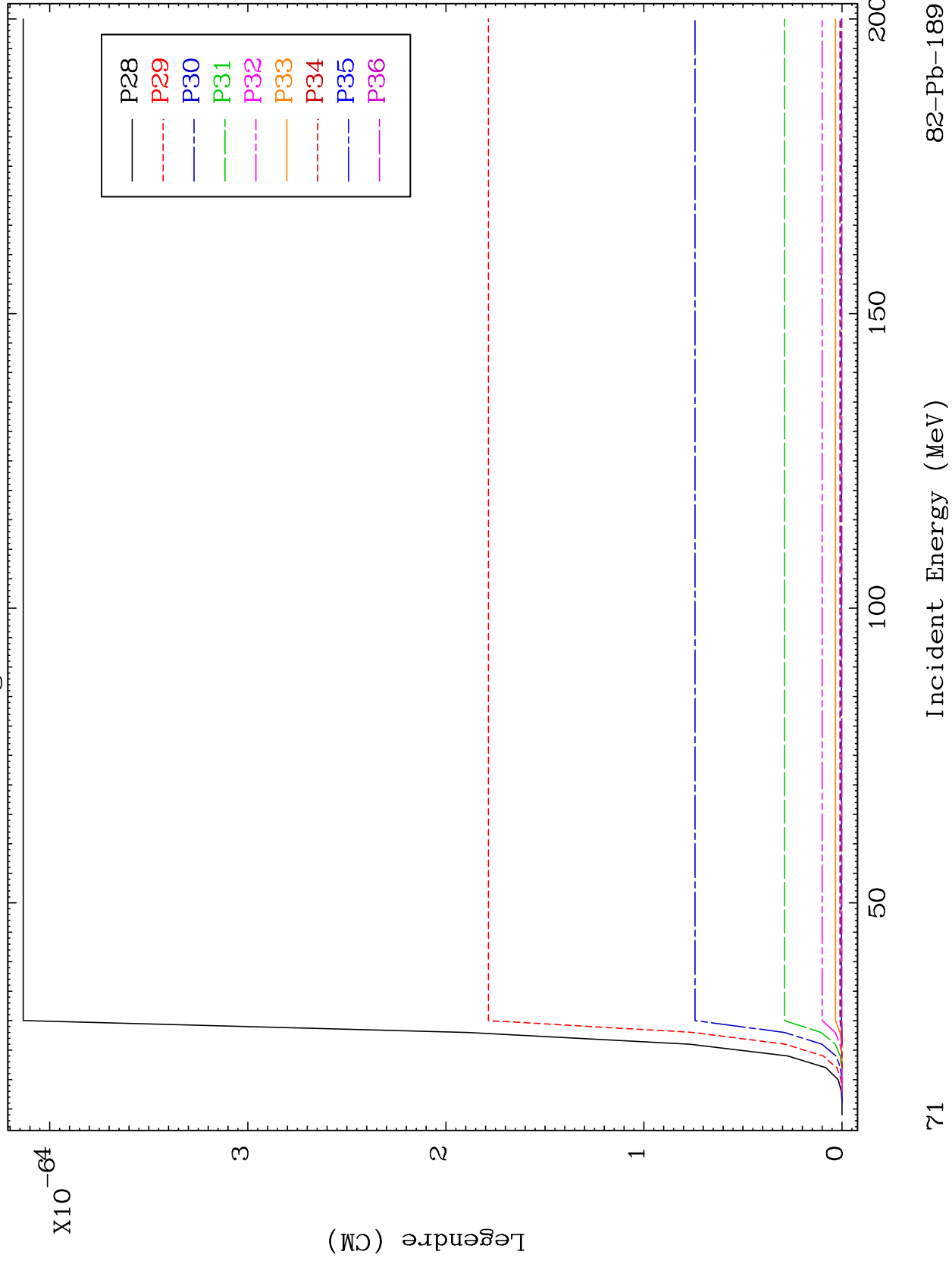
Incident Energy (MeV)

82-Pb-189

MAT 8180

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

82-Pb-189

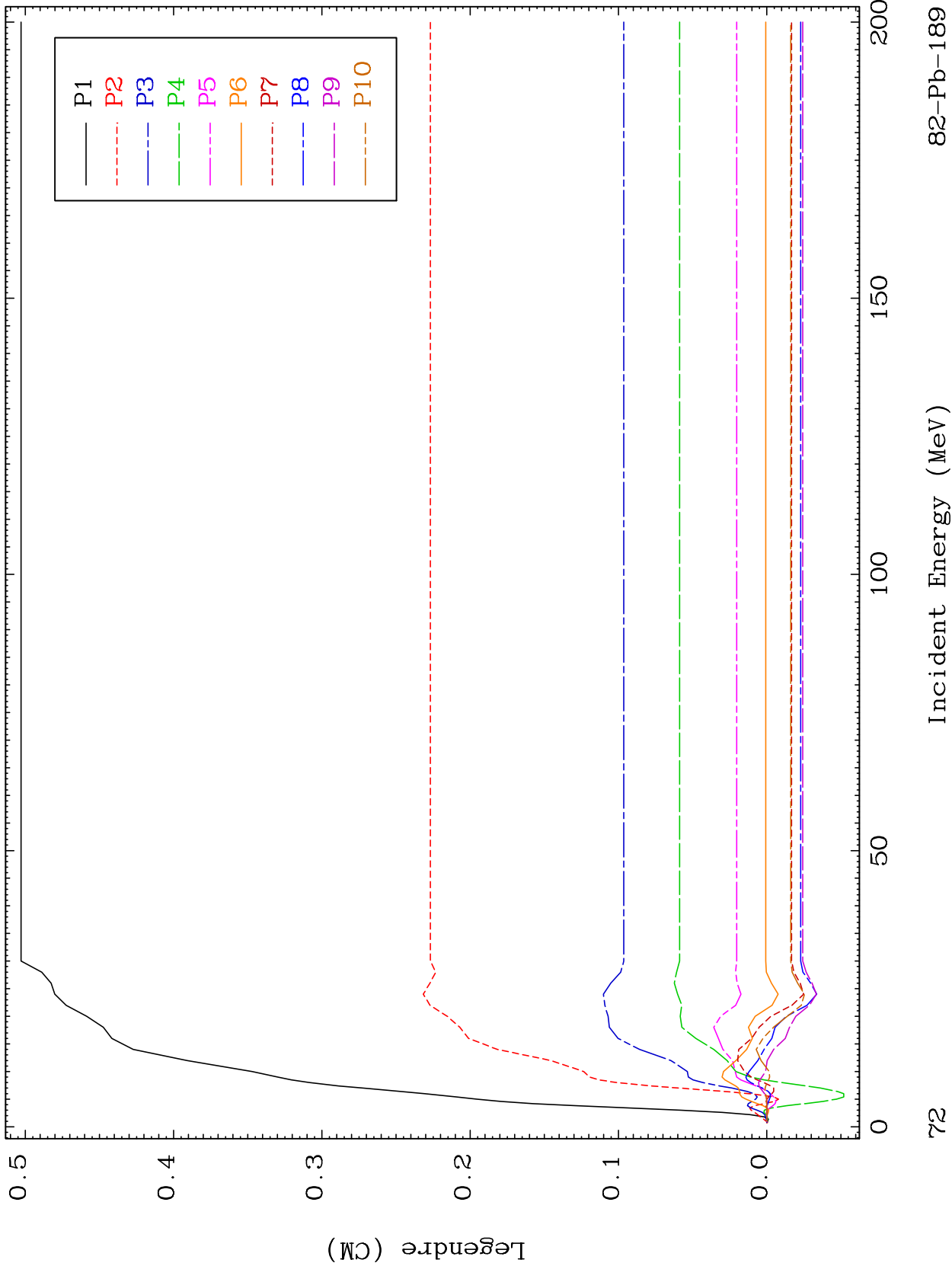




MAT 8180

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

82-Pb-189



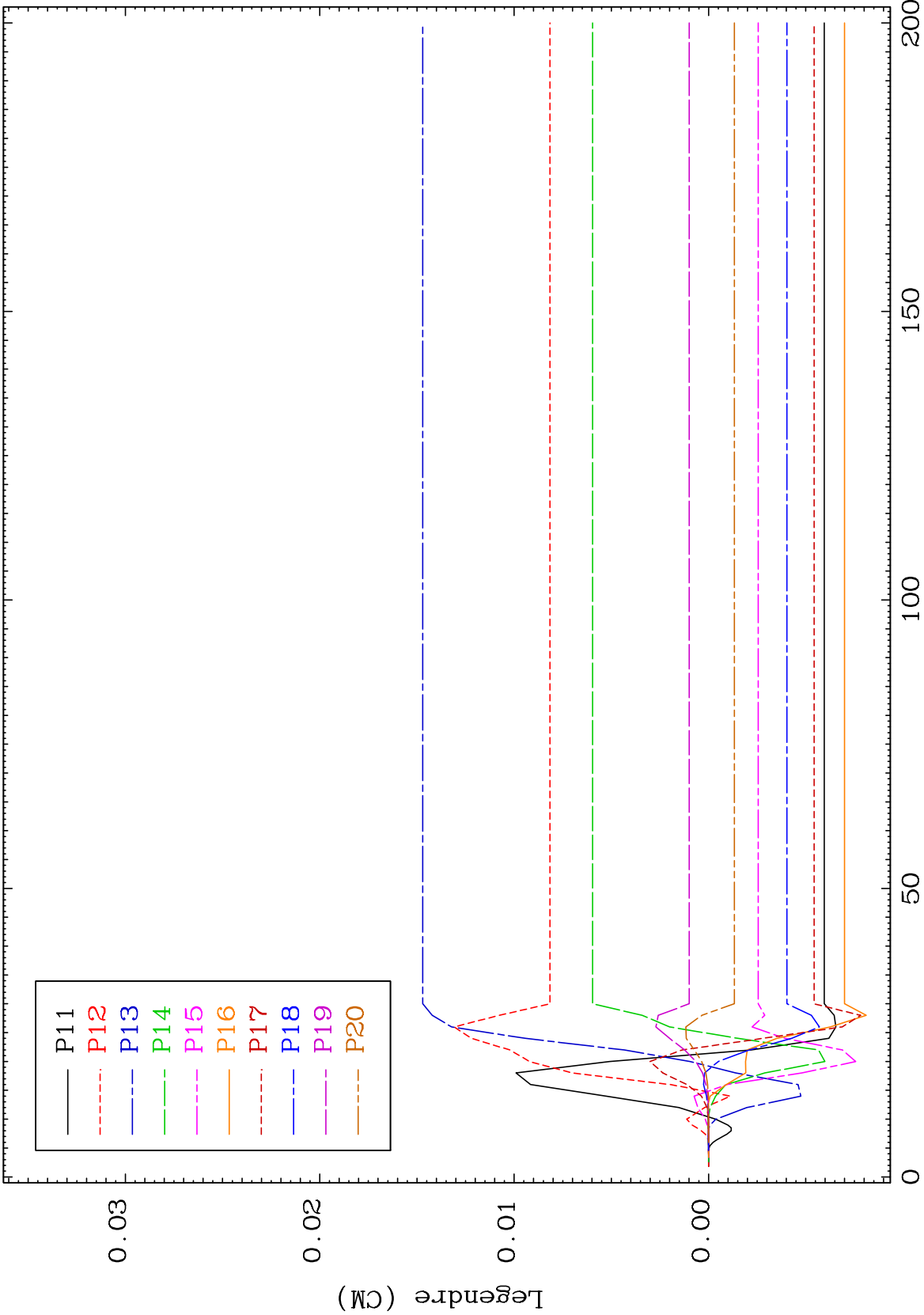
72

82-Pb-189

MAT 8180

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

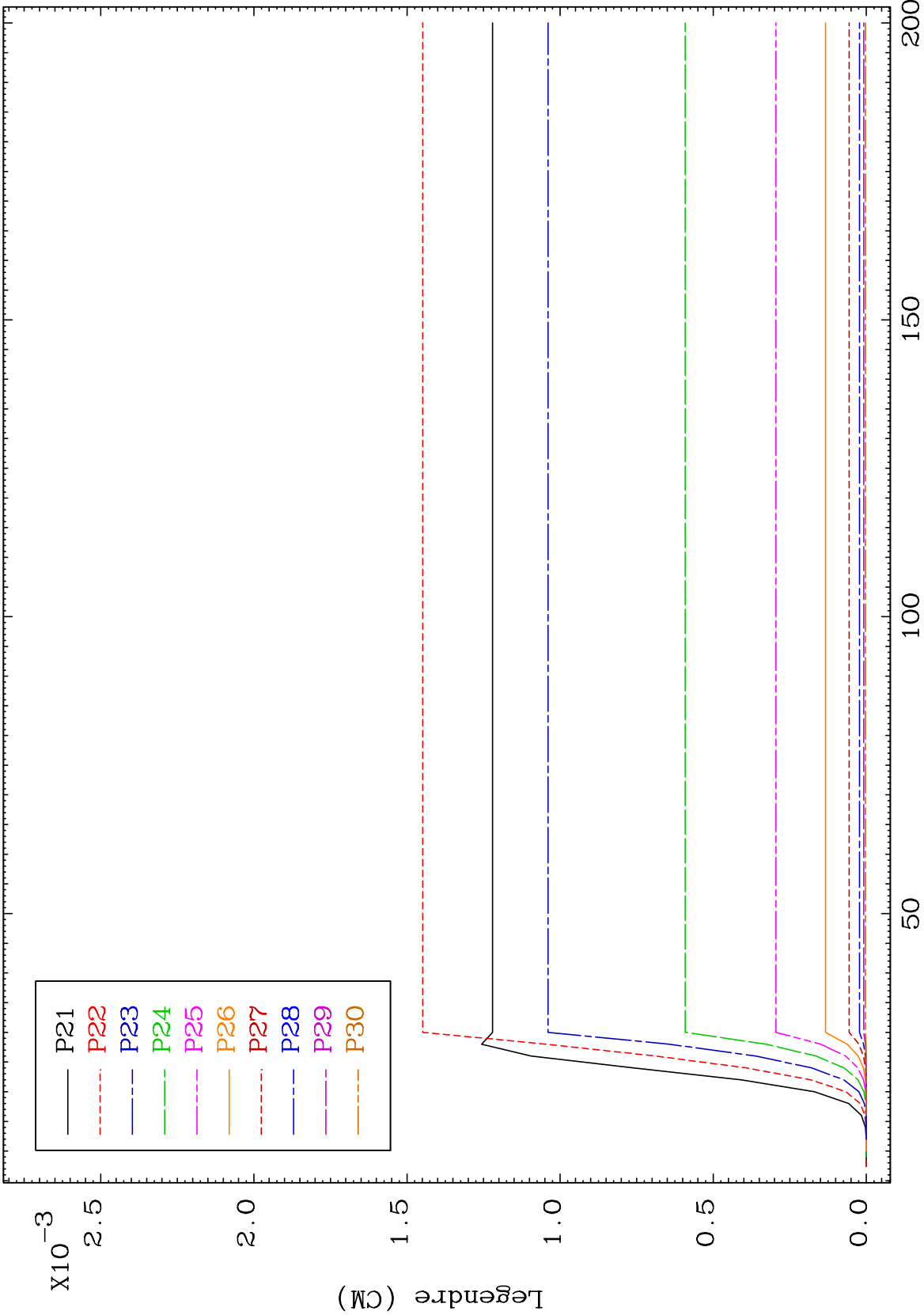
82-Pb-189



73

Incident Energy (MeV)

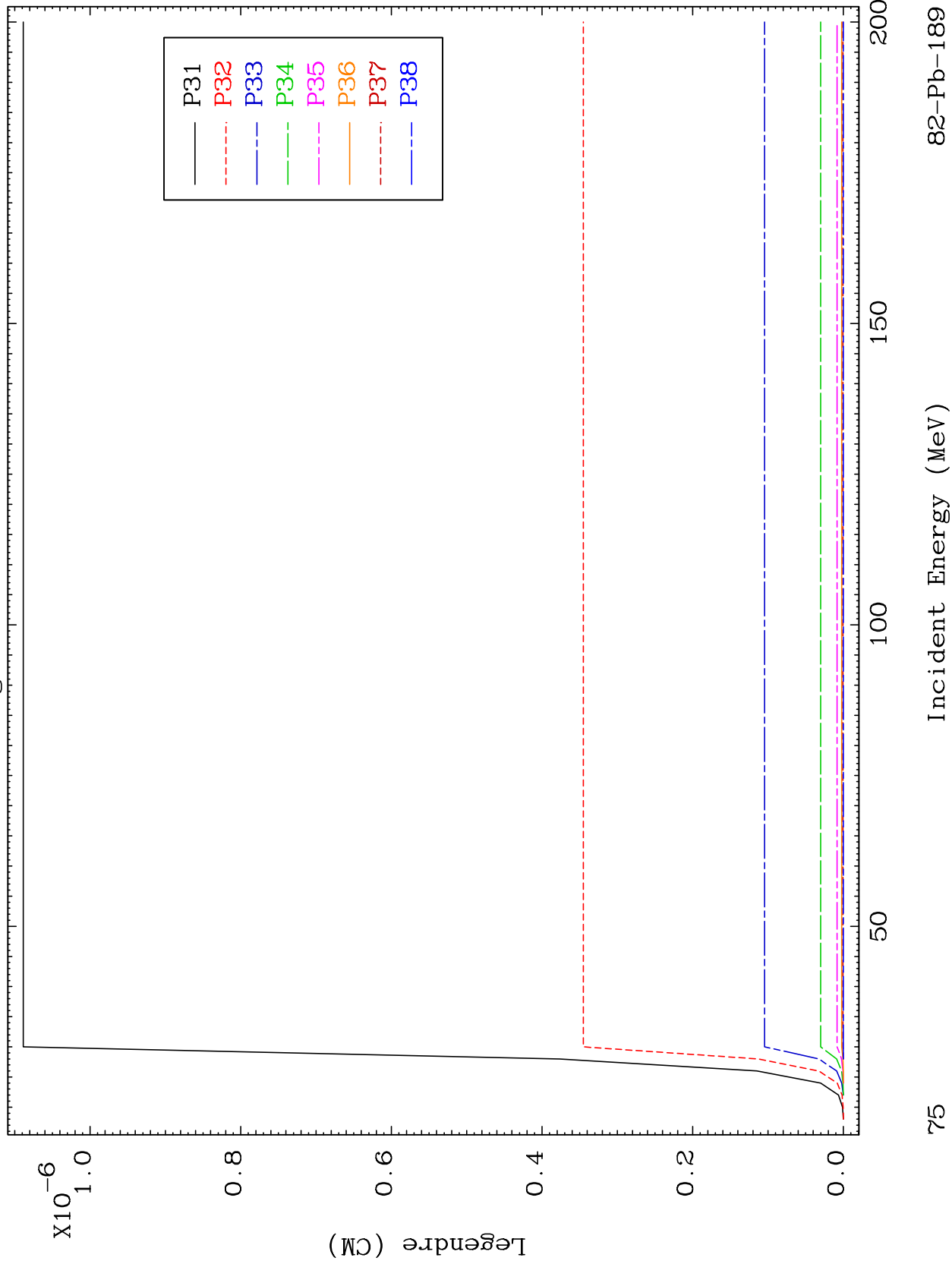
82-Pb-189



MAT 8180

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

82-Pb-189



75

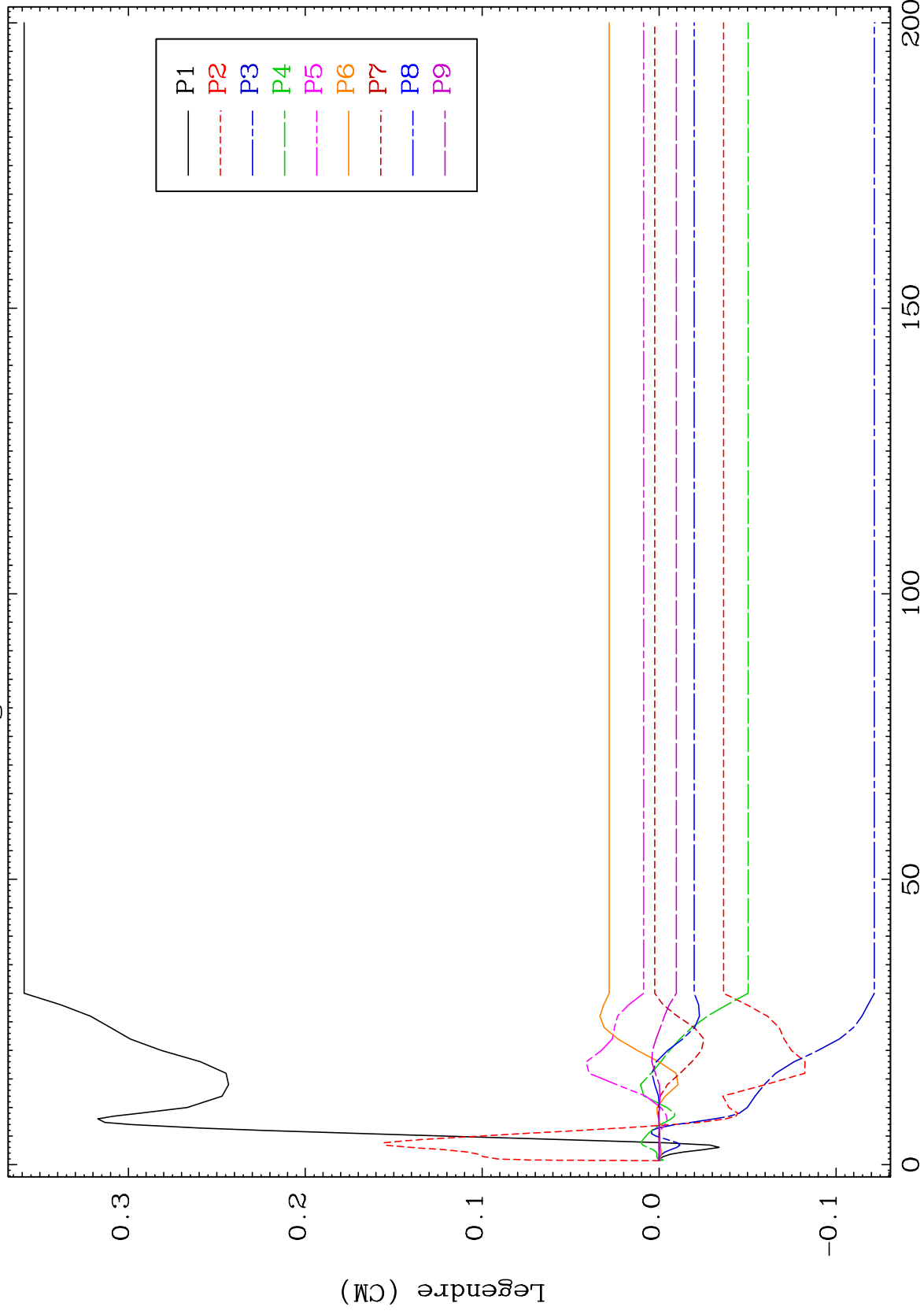
Incident Energy (MeV)

82-Pb-189

MAT 8180

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

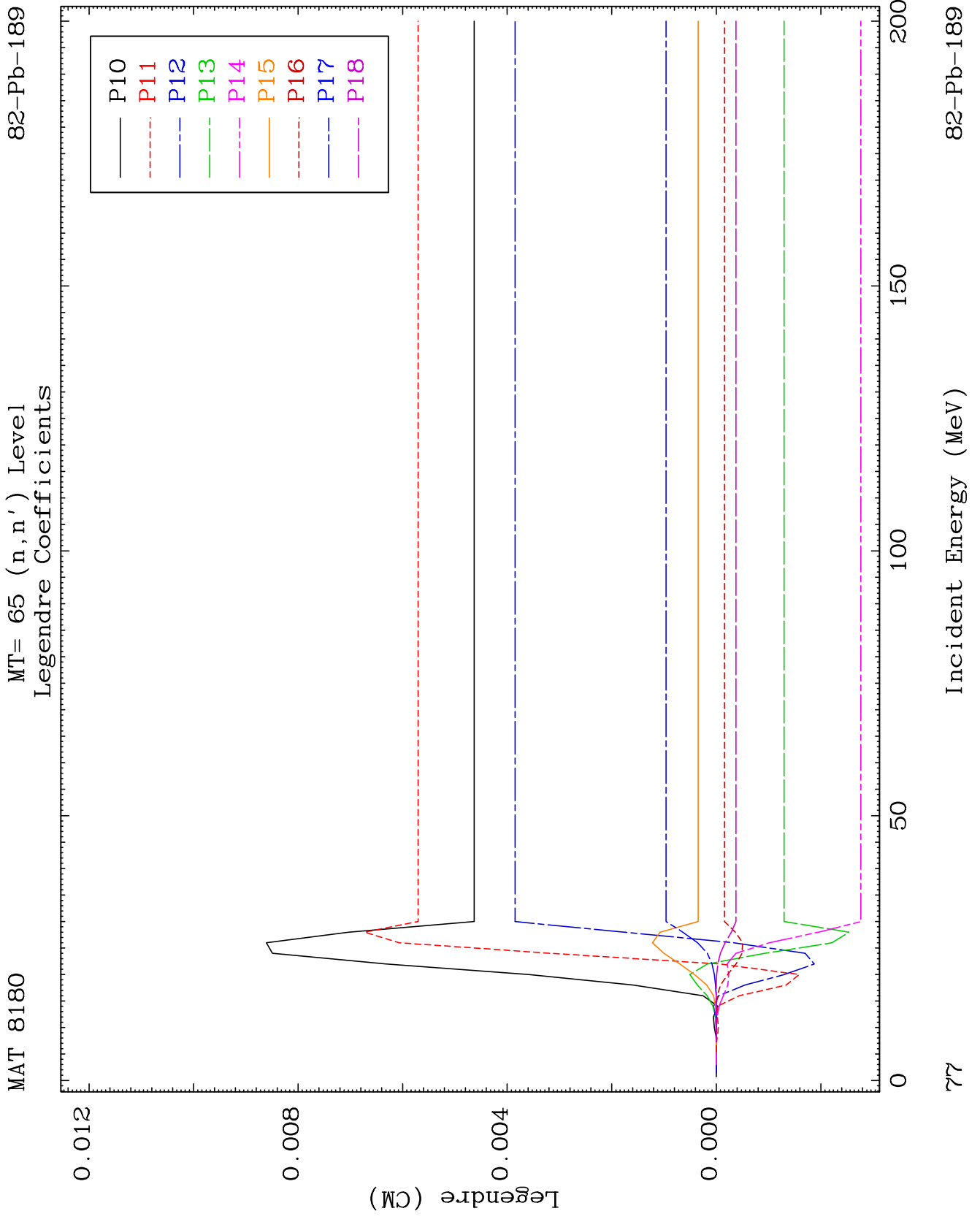
82-Pb-189



76

Incident Energy (MeV)

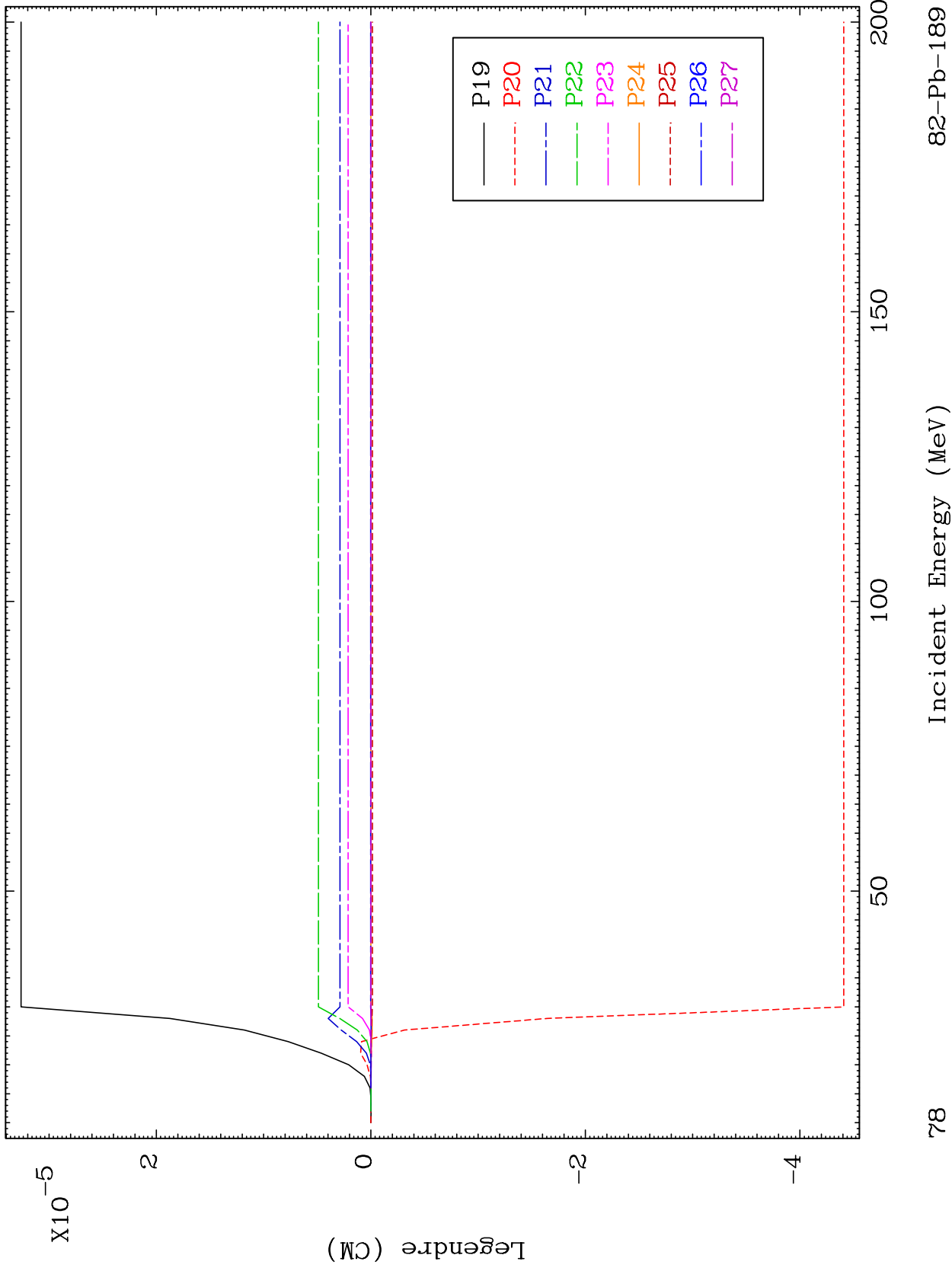
82-Pb-189

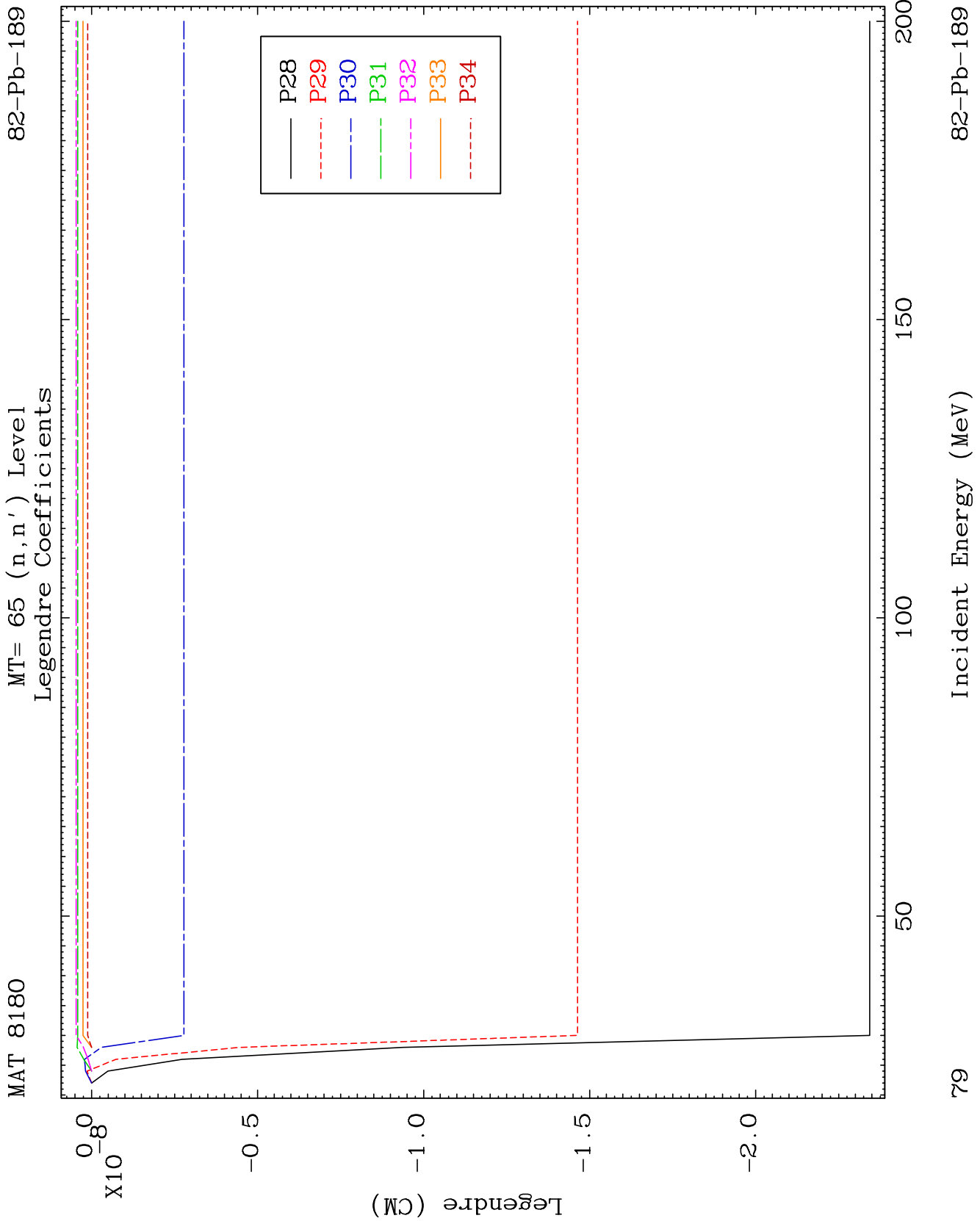


MAT 8180

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

82-Pb-189



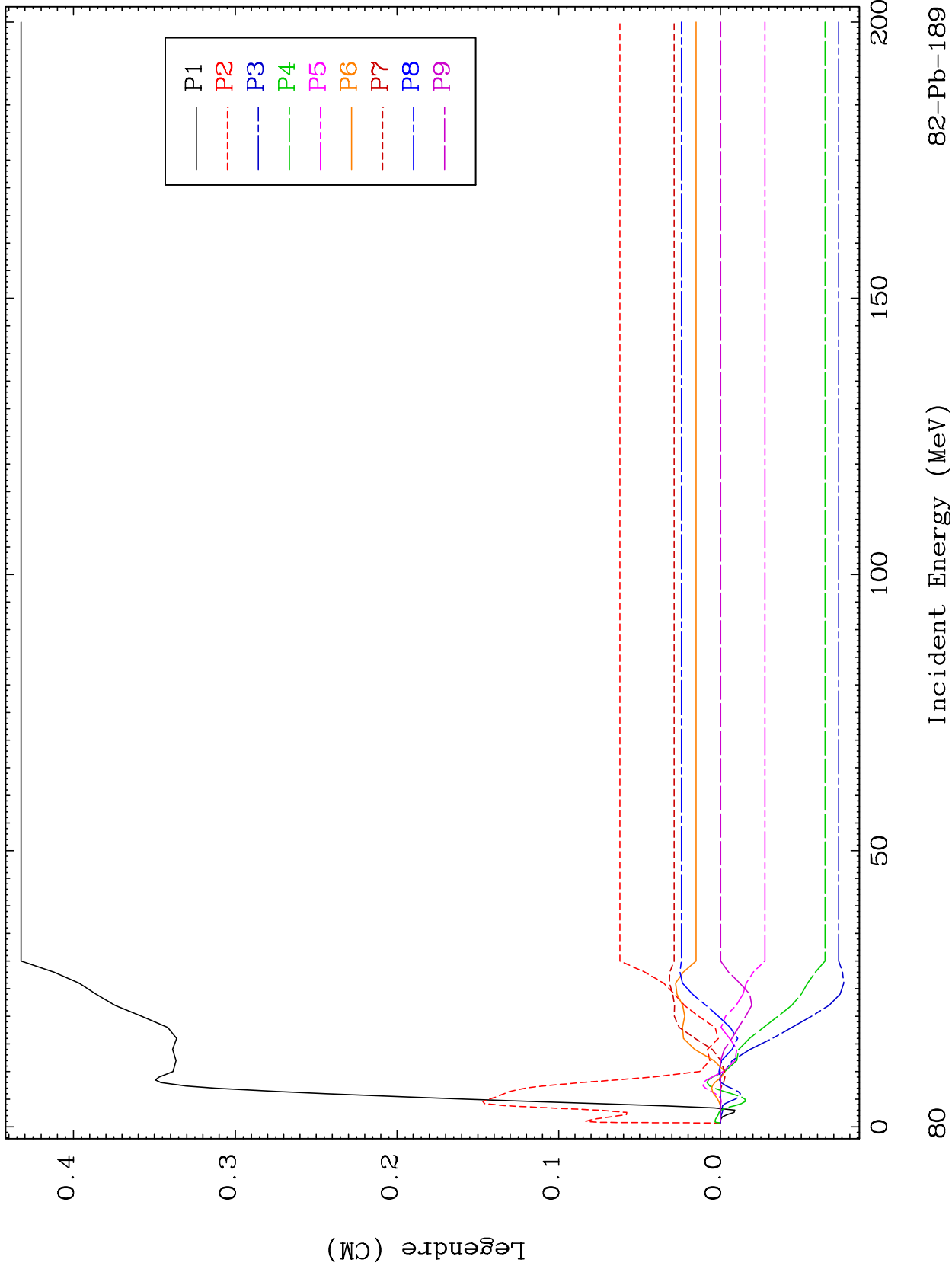




MAT 8180

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

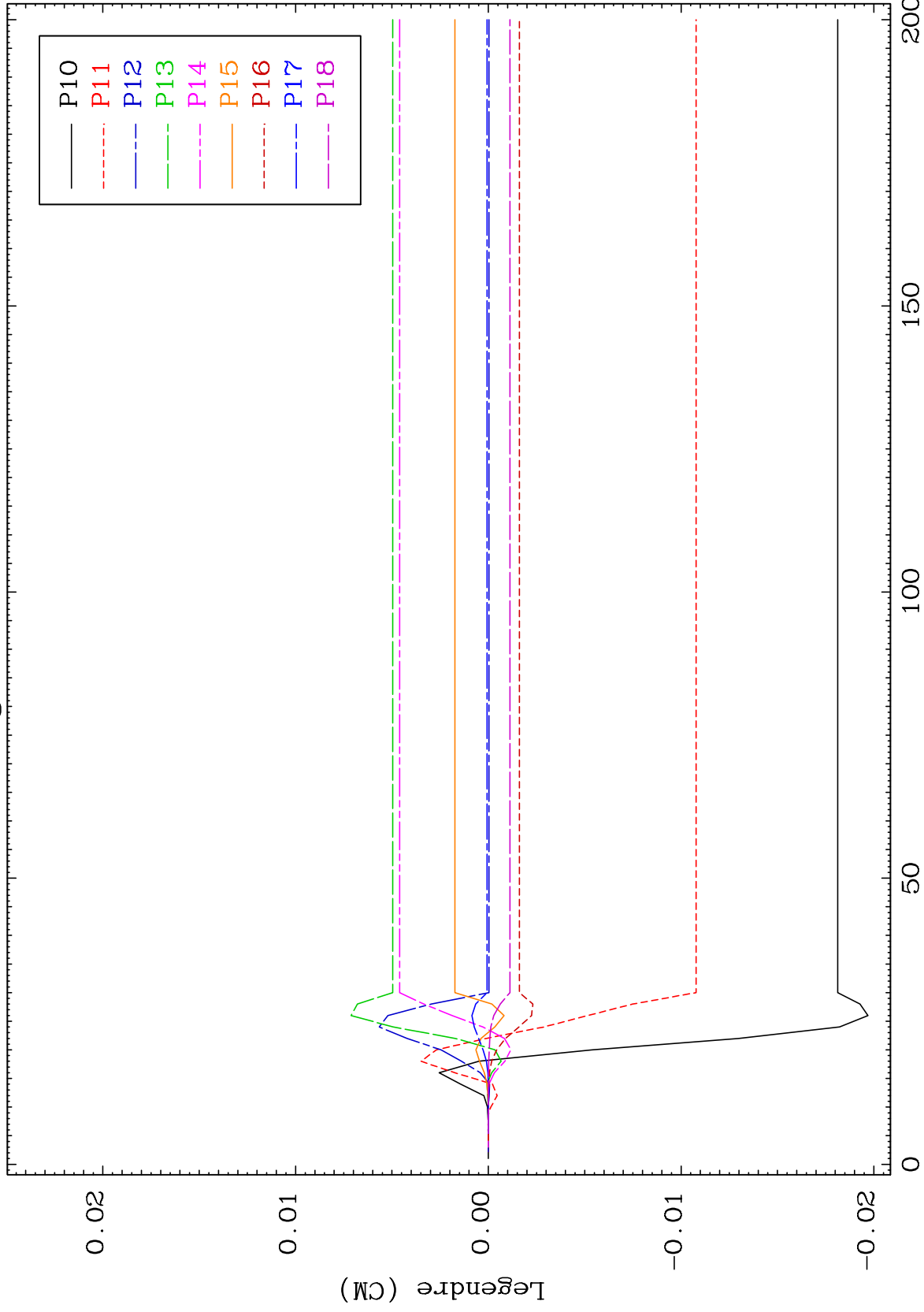
82-Pb-189



MAT 8180

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

82-Pb-189



81

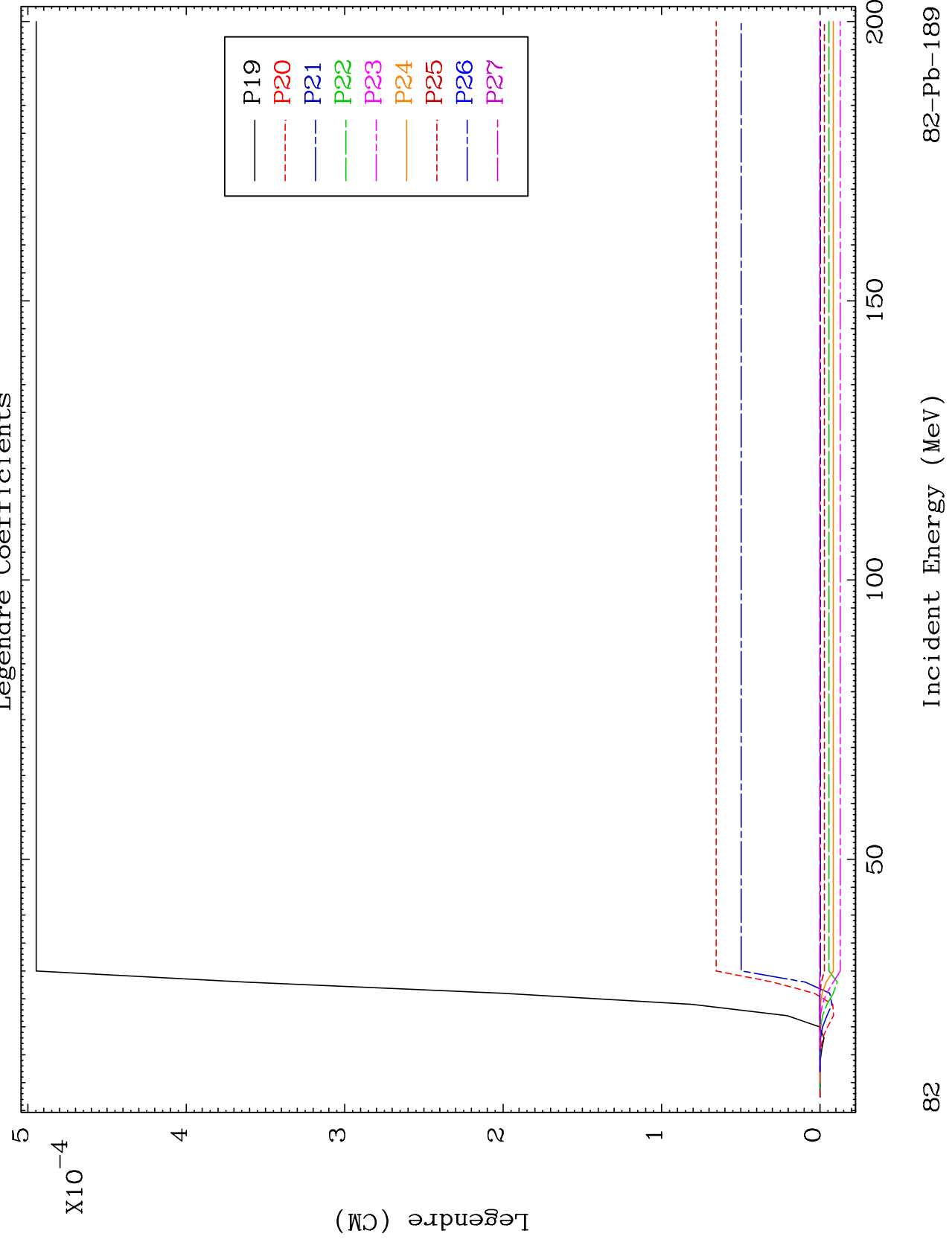
Incident Energy (MeV)

82-Pb-189

MAT 8180

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

82-Pb-189



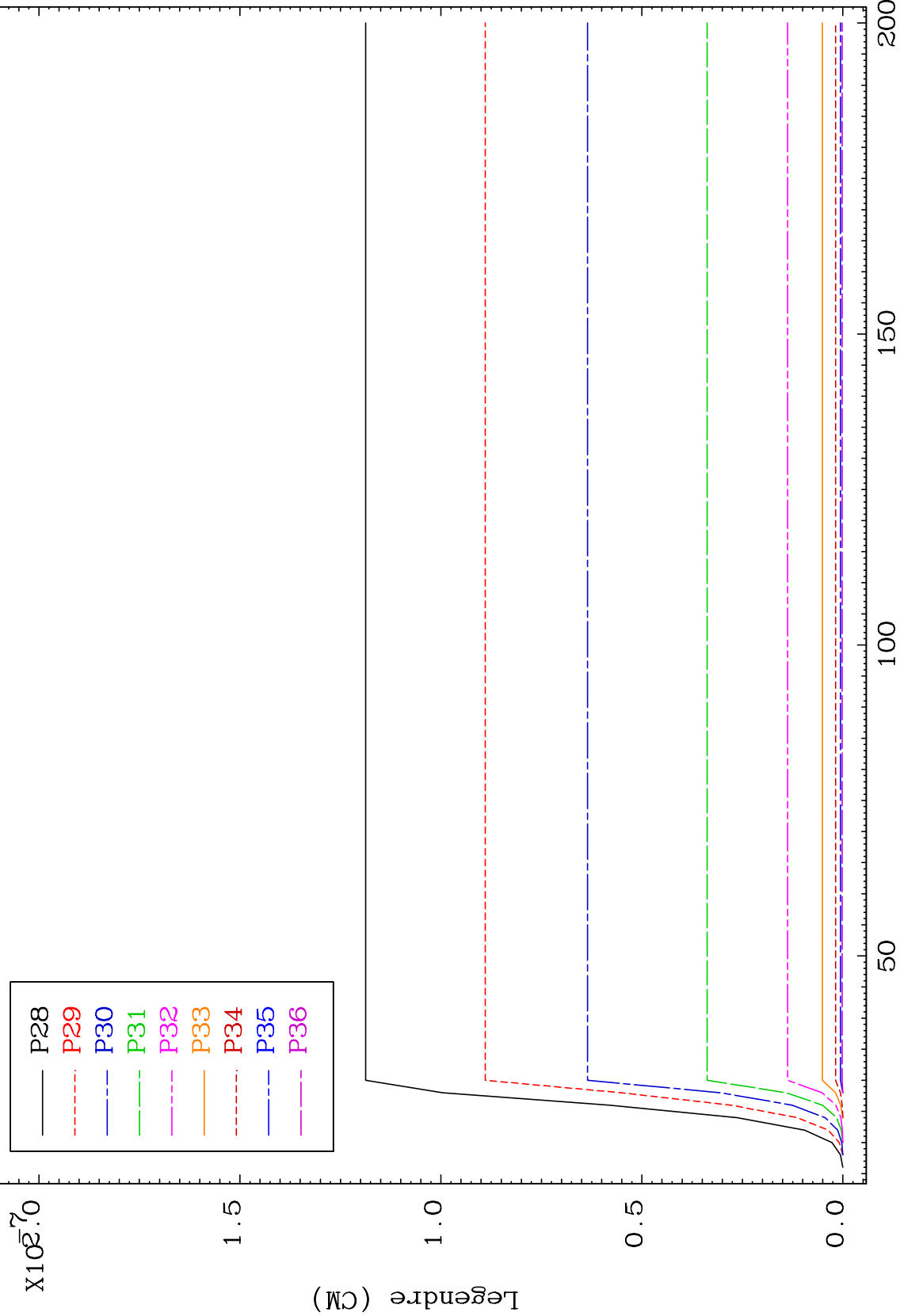
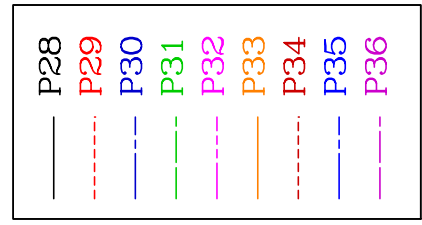
82

82-Pb-189

MAT 8180

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

82-Pb-189



83

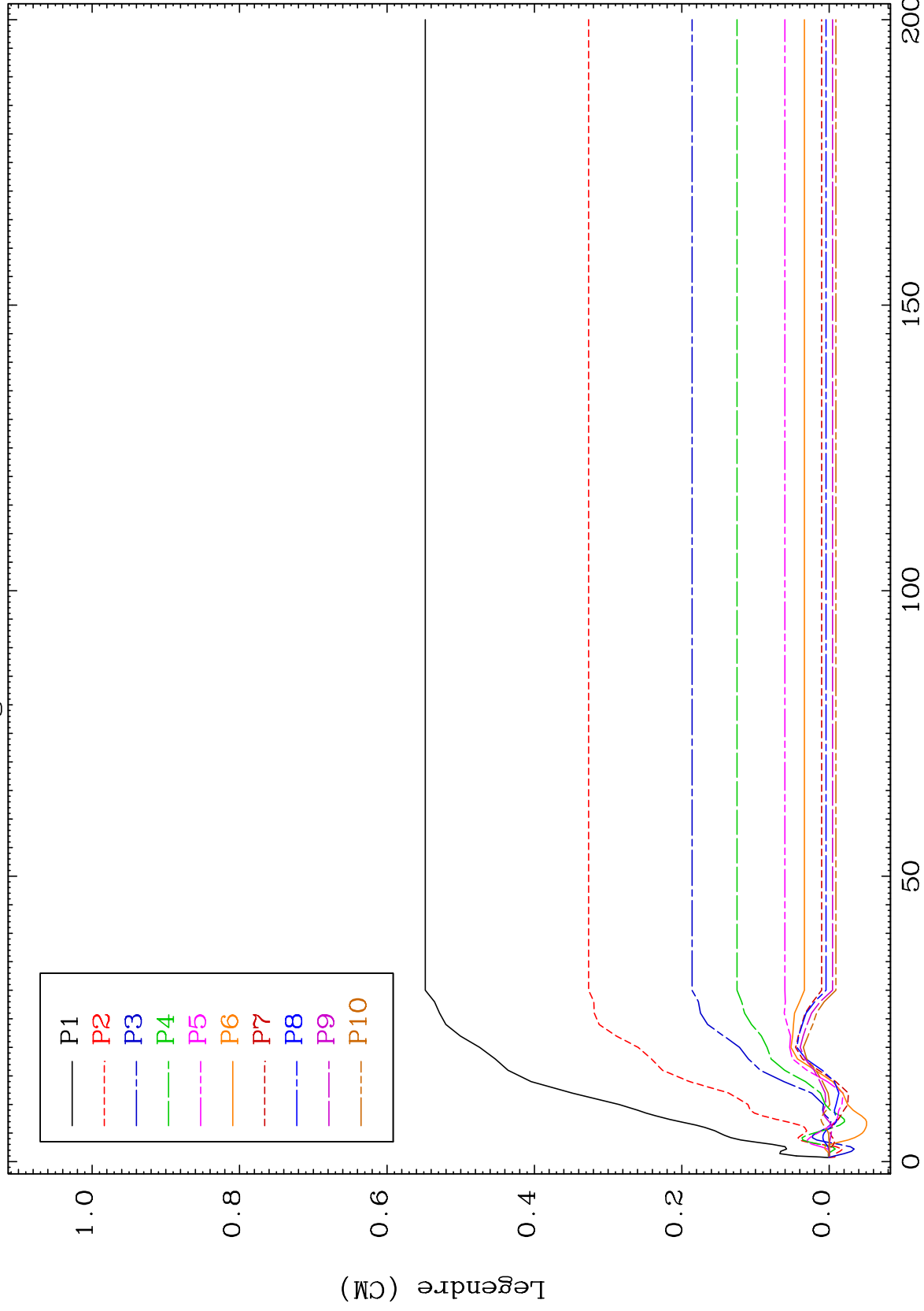
Incident Energy (MeV)

82-Pb-189

MAT 8180

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

82-Pb-189



84

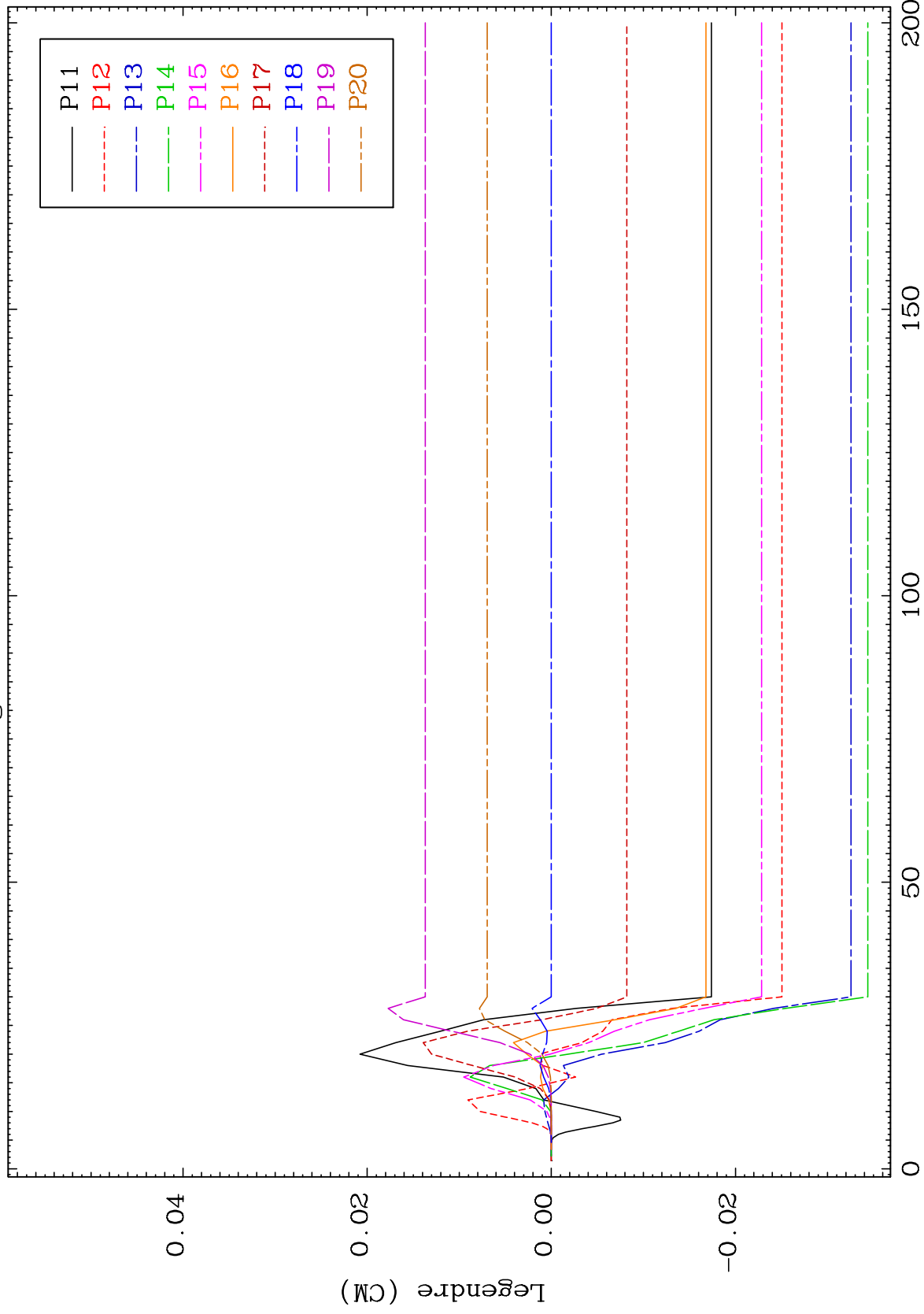
Incident Energy (MeV)

82-Pb-189

MAT 8180

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

82-Pb-189



85

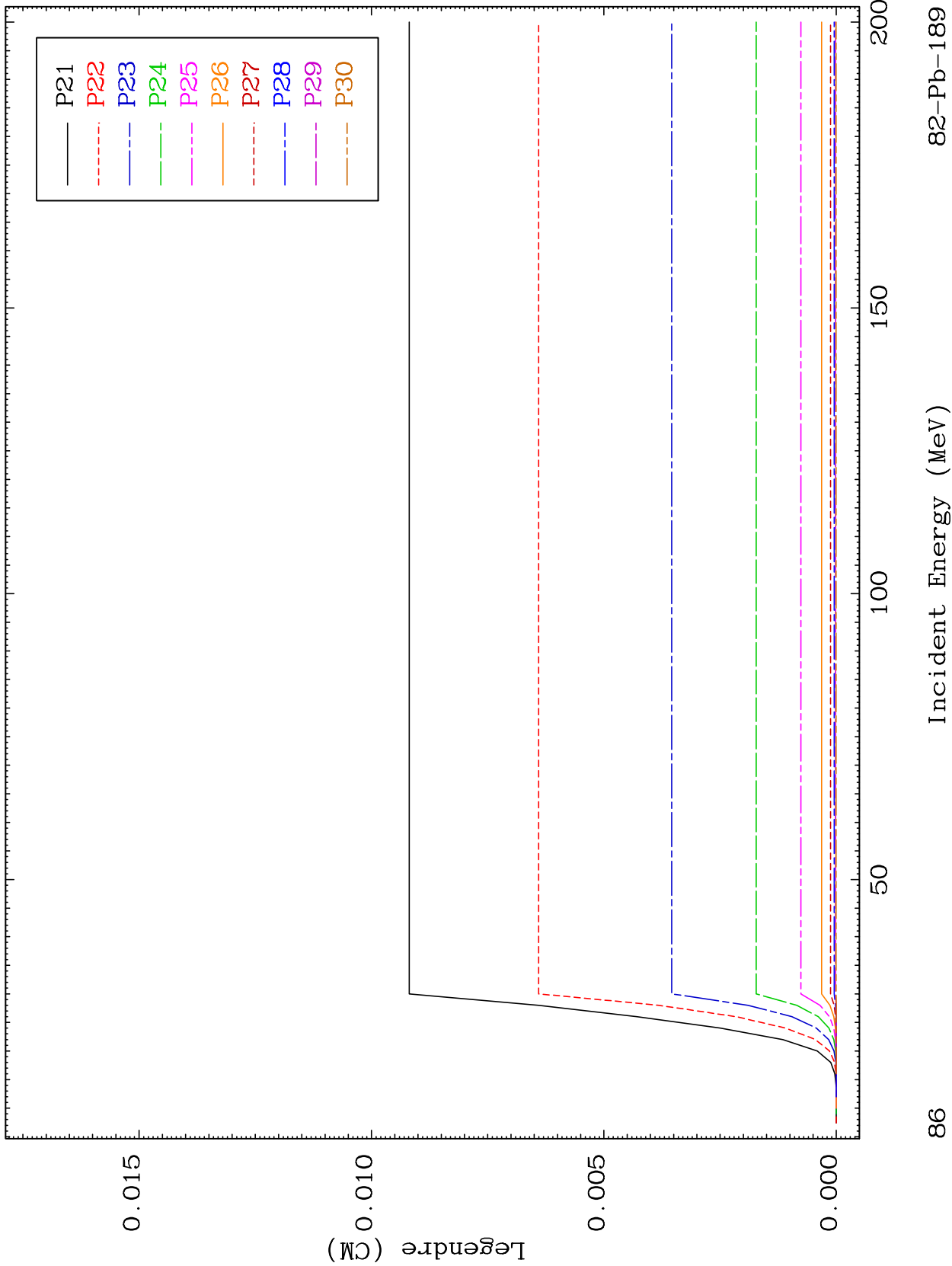
Incident Energy (MeV)

82-Pb-189

MAT 8180

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

82-Pb-189

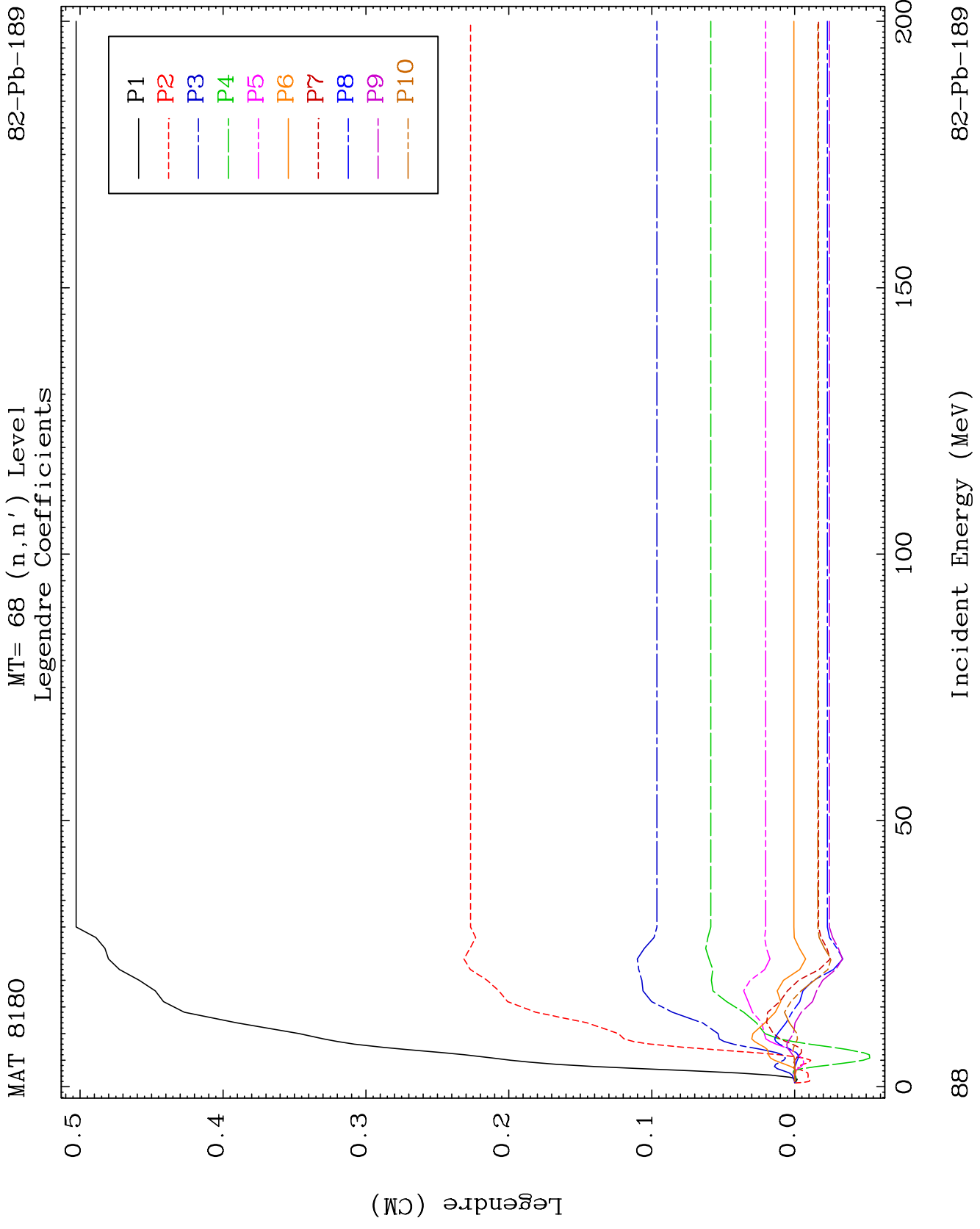


86

82-Pb-189



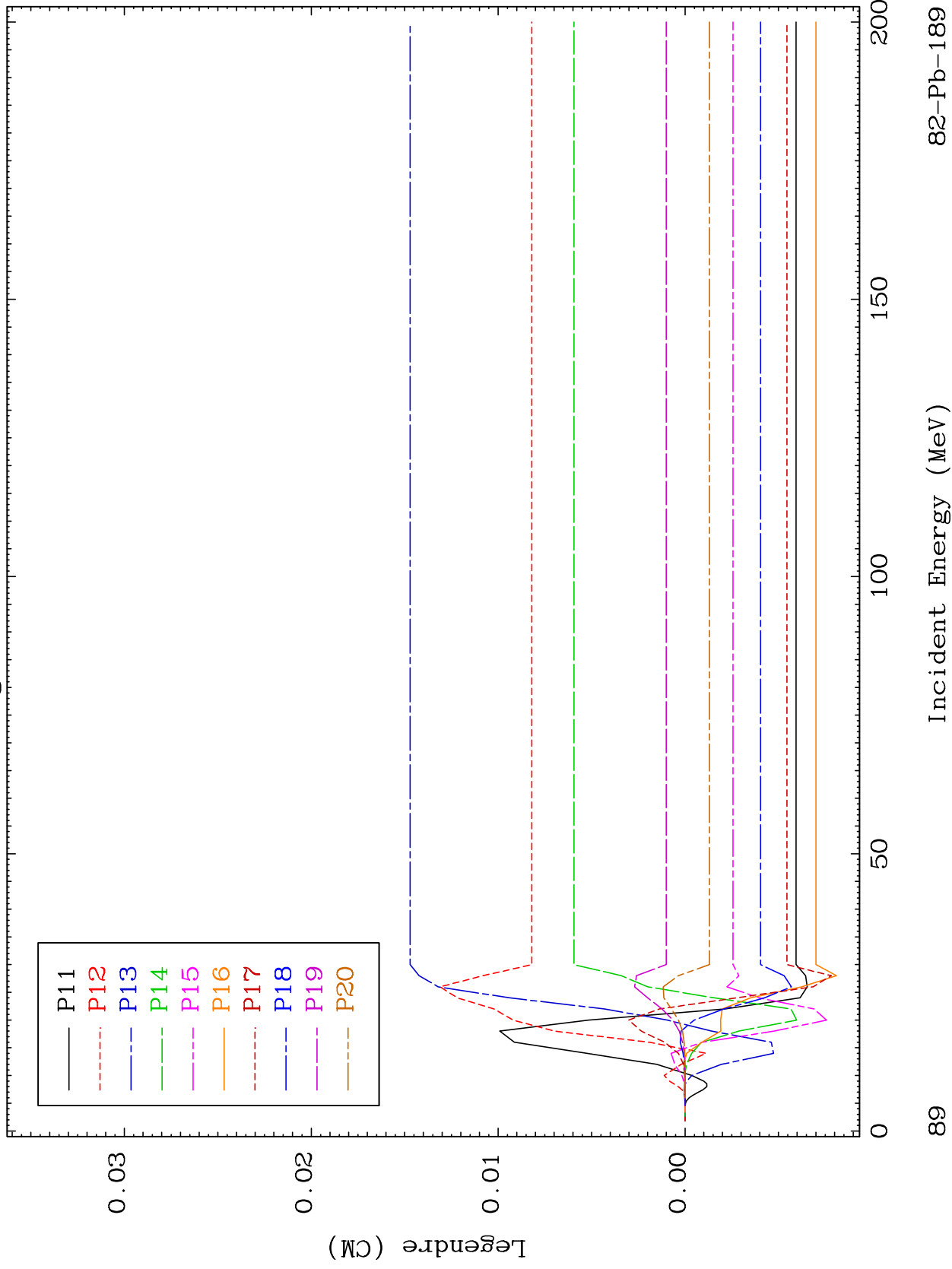




MAT 8180

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

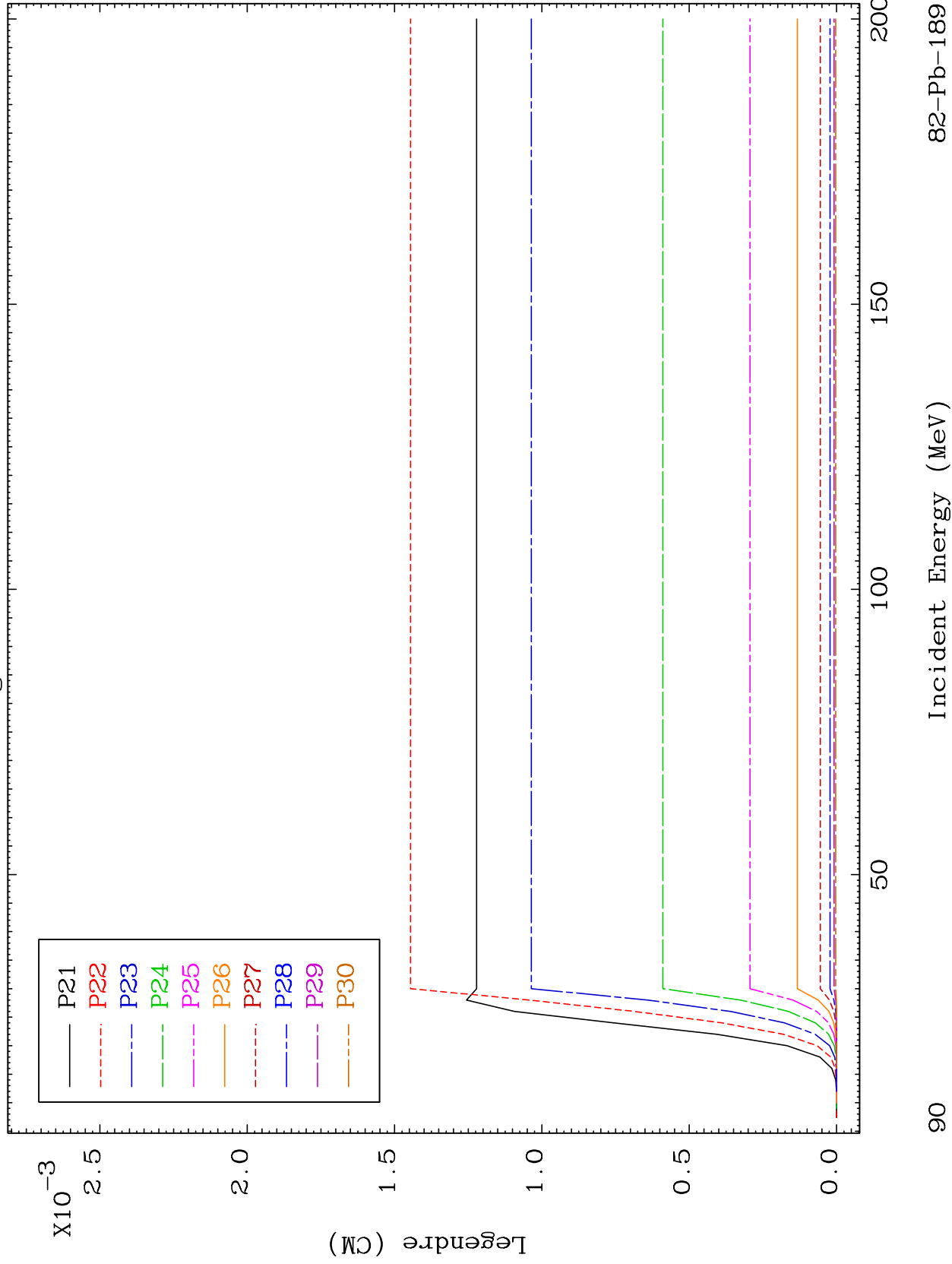
82-Pb-189



MAT 8180

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

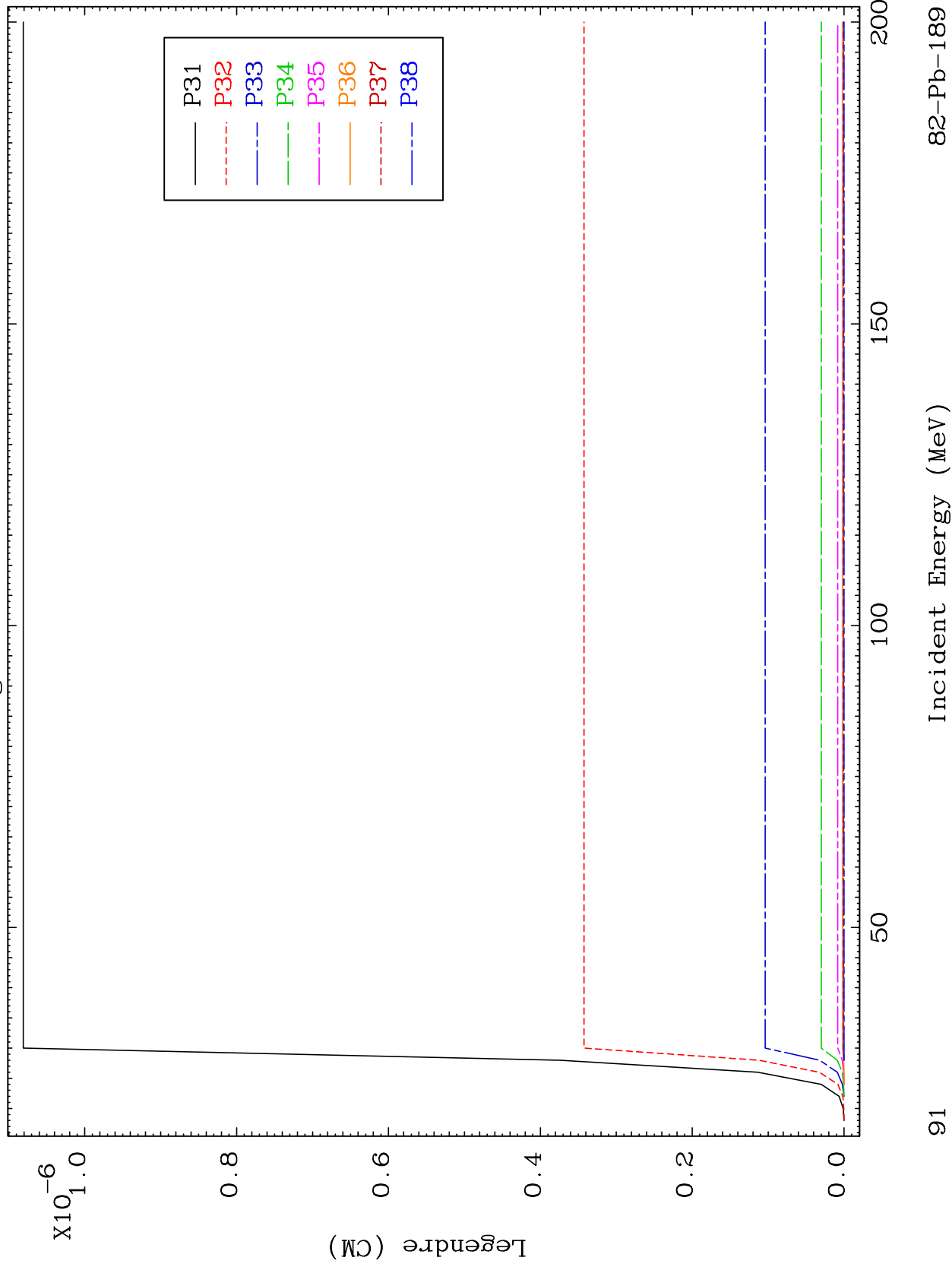
82-Pb-189



MAT 8180

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

82-Pb-189



91

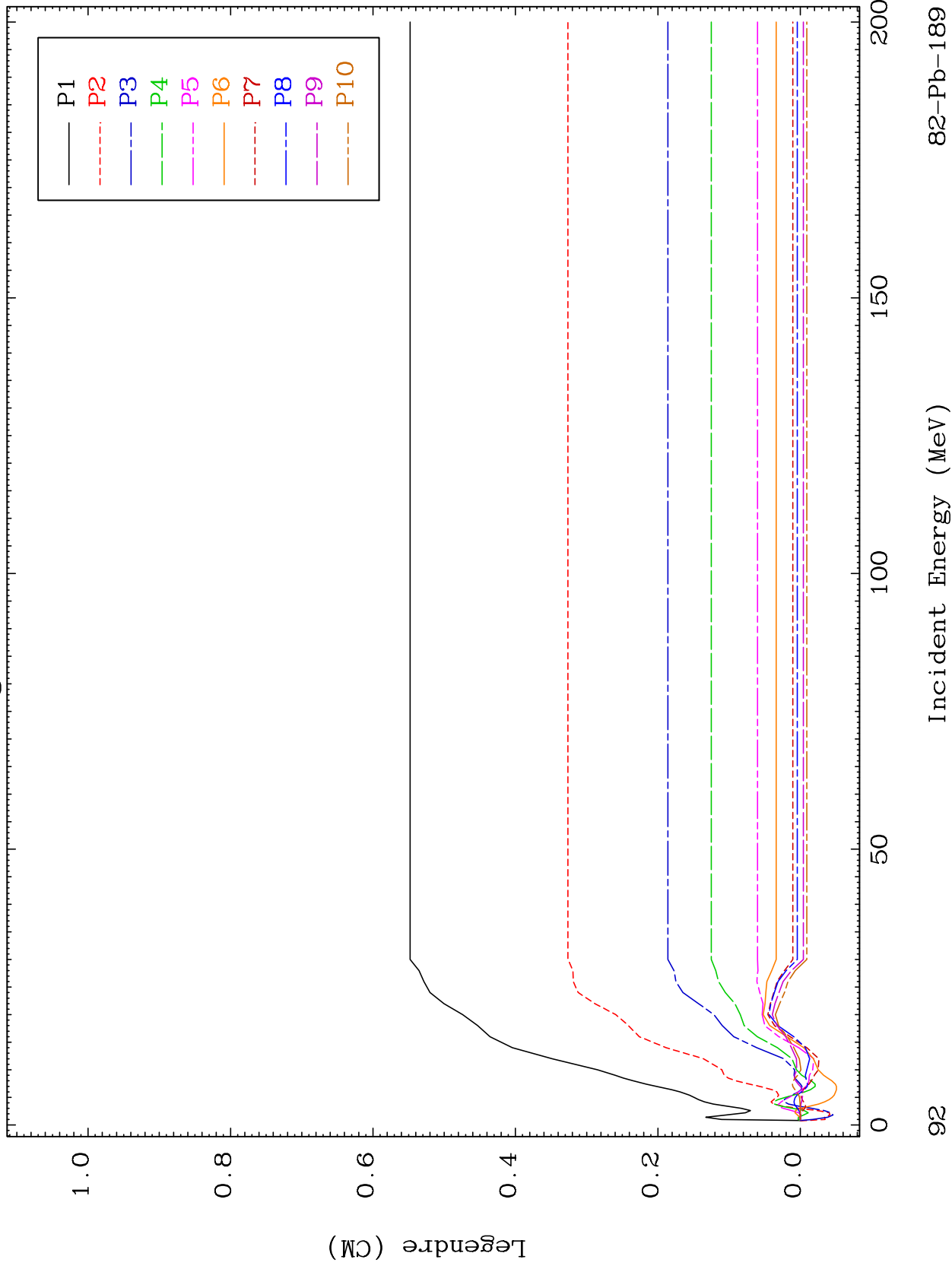
Incident Energy (MeV)

82-Pb-189

MAT 8180

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

82-Pb-189



82-Pb-189

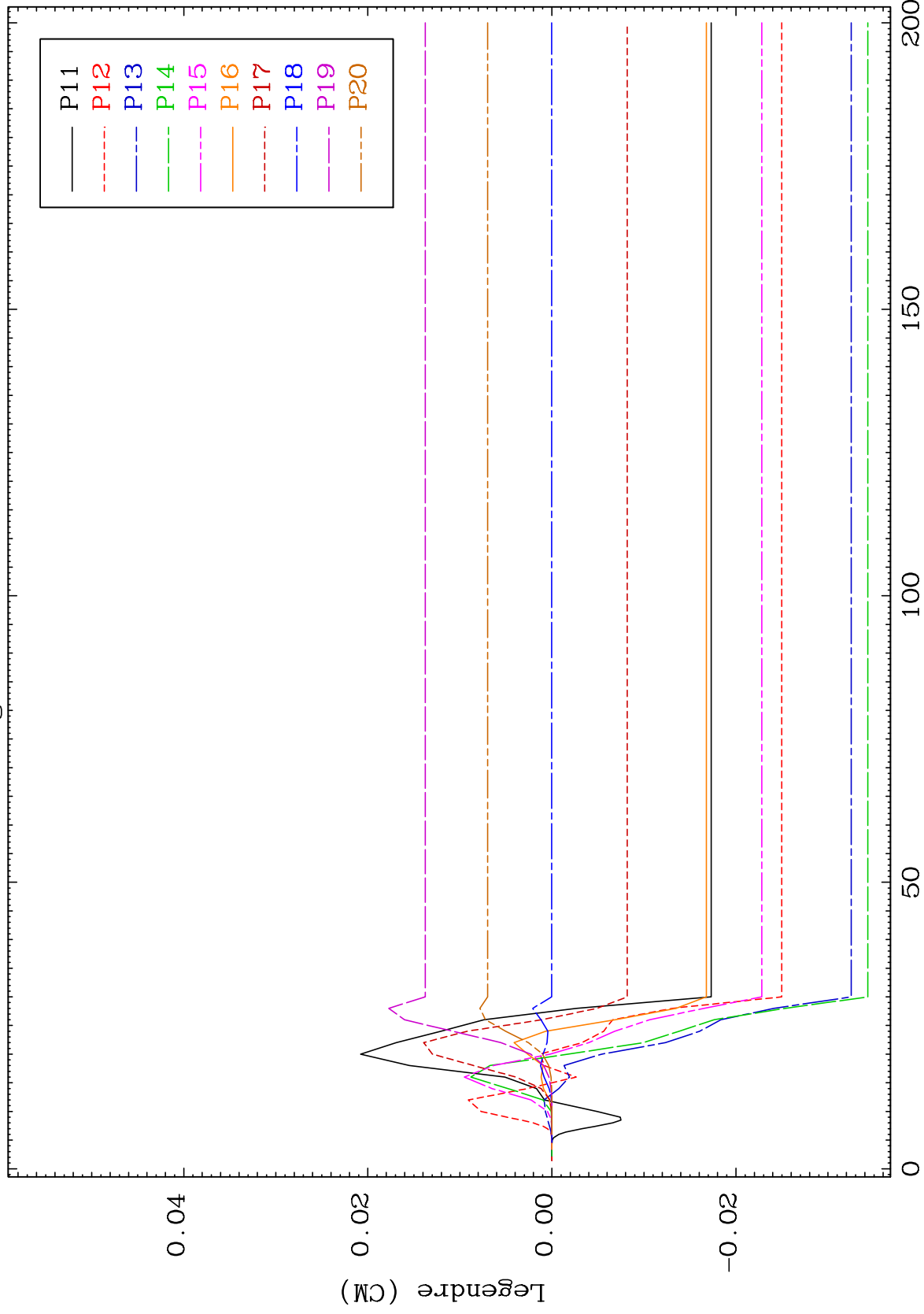
Incident Energy (MeV)

92

MAT 8180

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

82-Pb-189



93

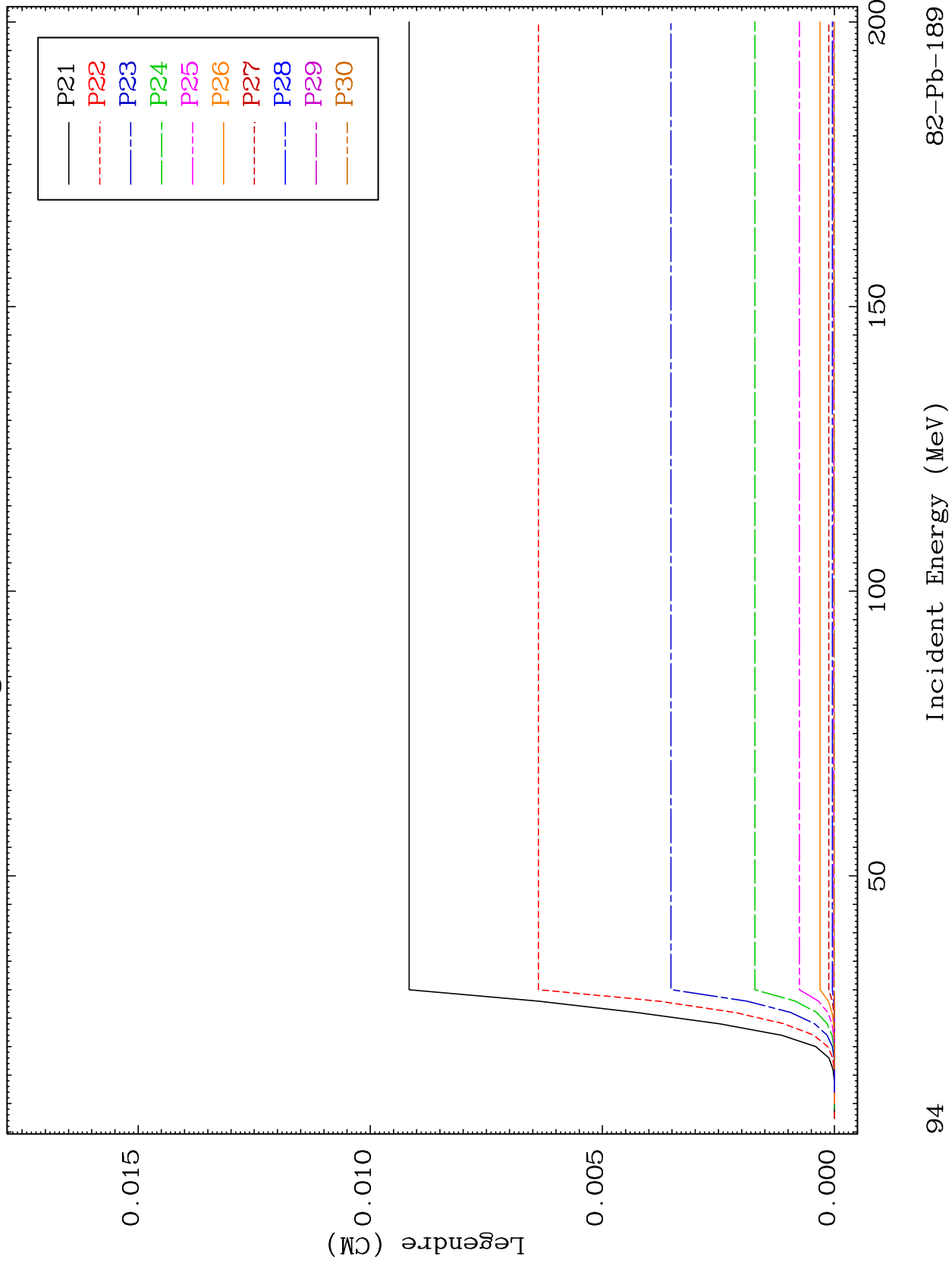
Incident Energy (MeV)

82-Pb-189

MAT 8180

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

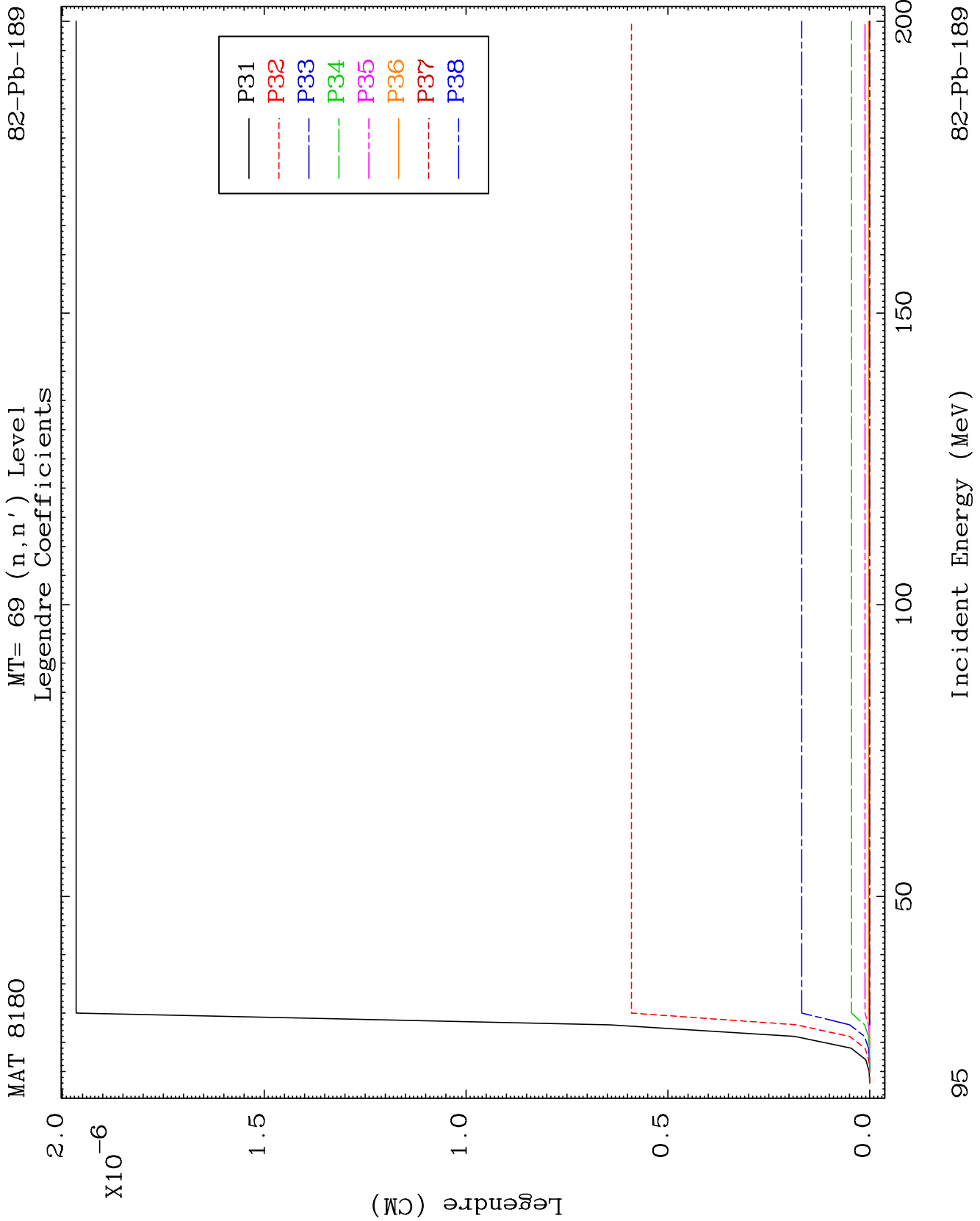
82-Pb-189



94

Incident Energy (MeV)

82-Pb-189

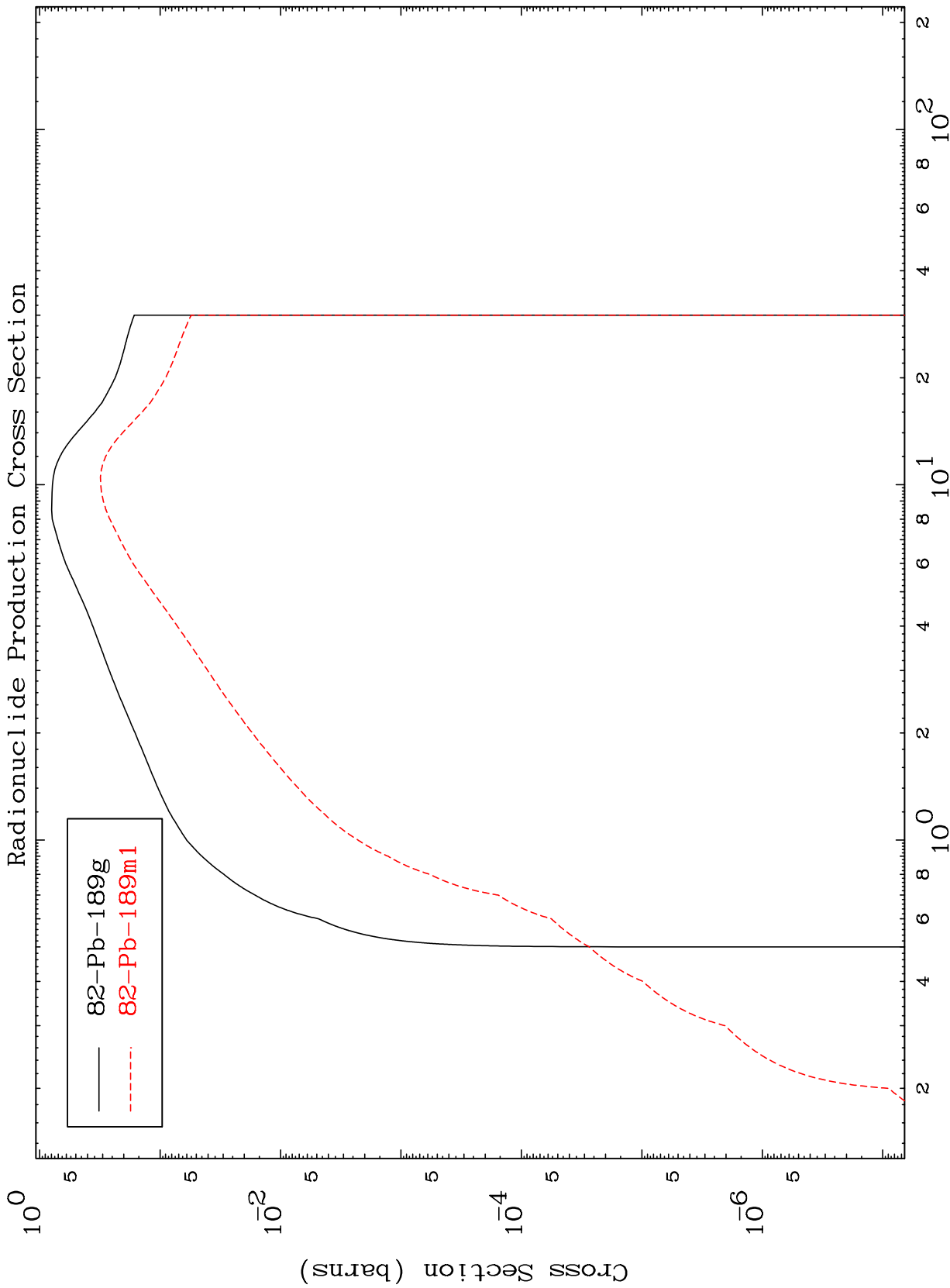




MAT 8180

82-Pb-189

Inelastic  
Radionuclide Production Cross Section



82-Pb-189g  
82-Pb-189m1

82-Pb-189

Incident Energy (MeV)

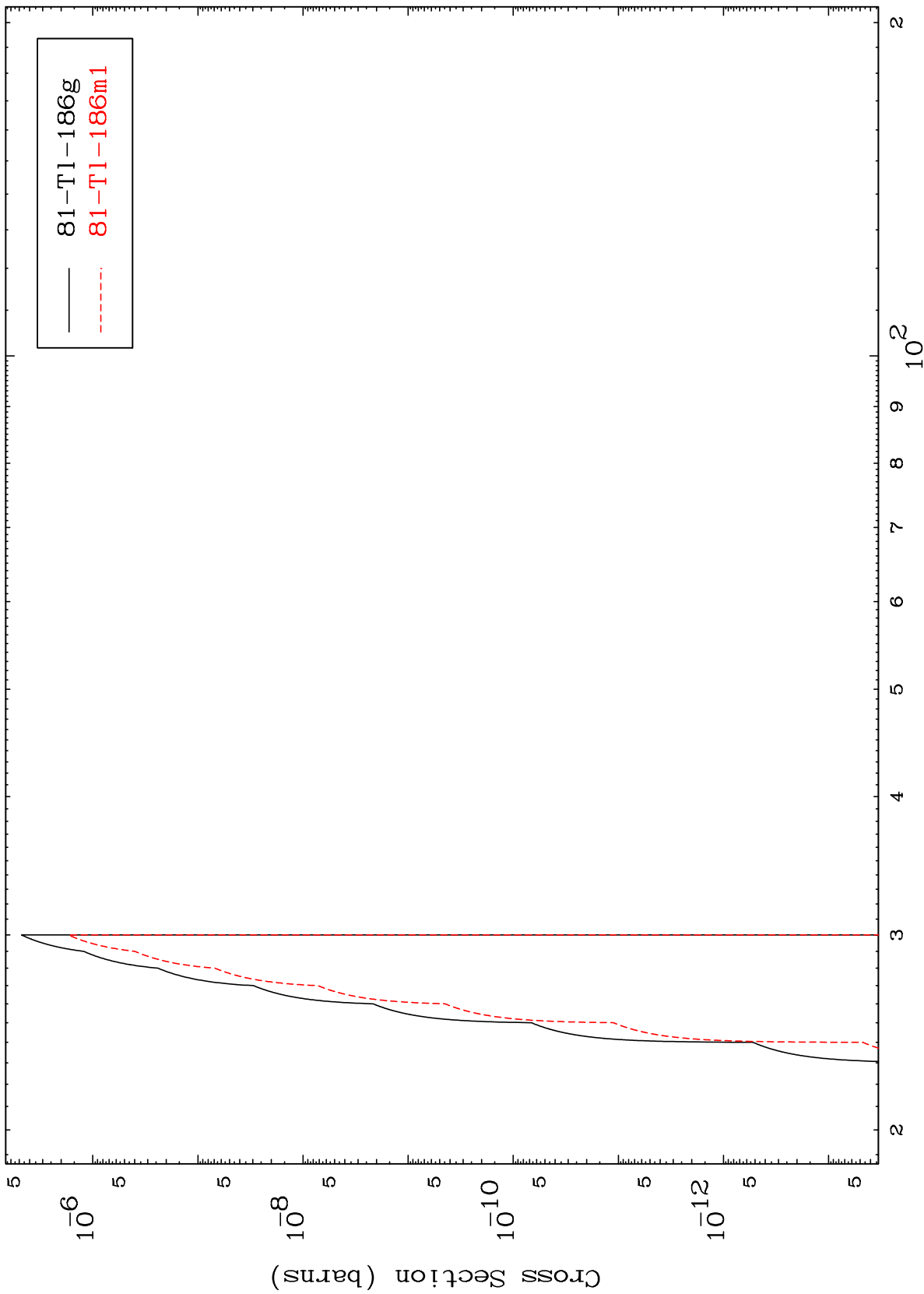
96

MAT 8180

(n,2n) d

82-Pb-189

Radionuclide Production Cross Section



97

Incident Energy (MeV)

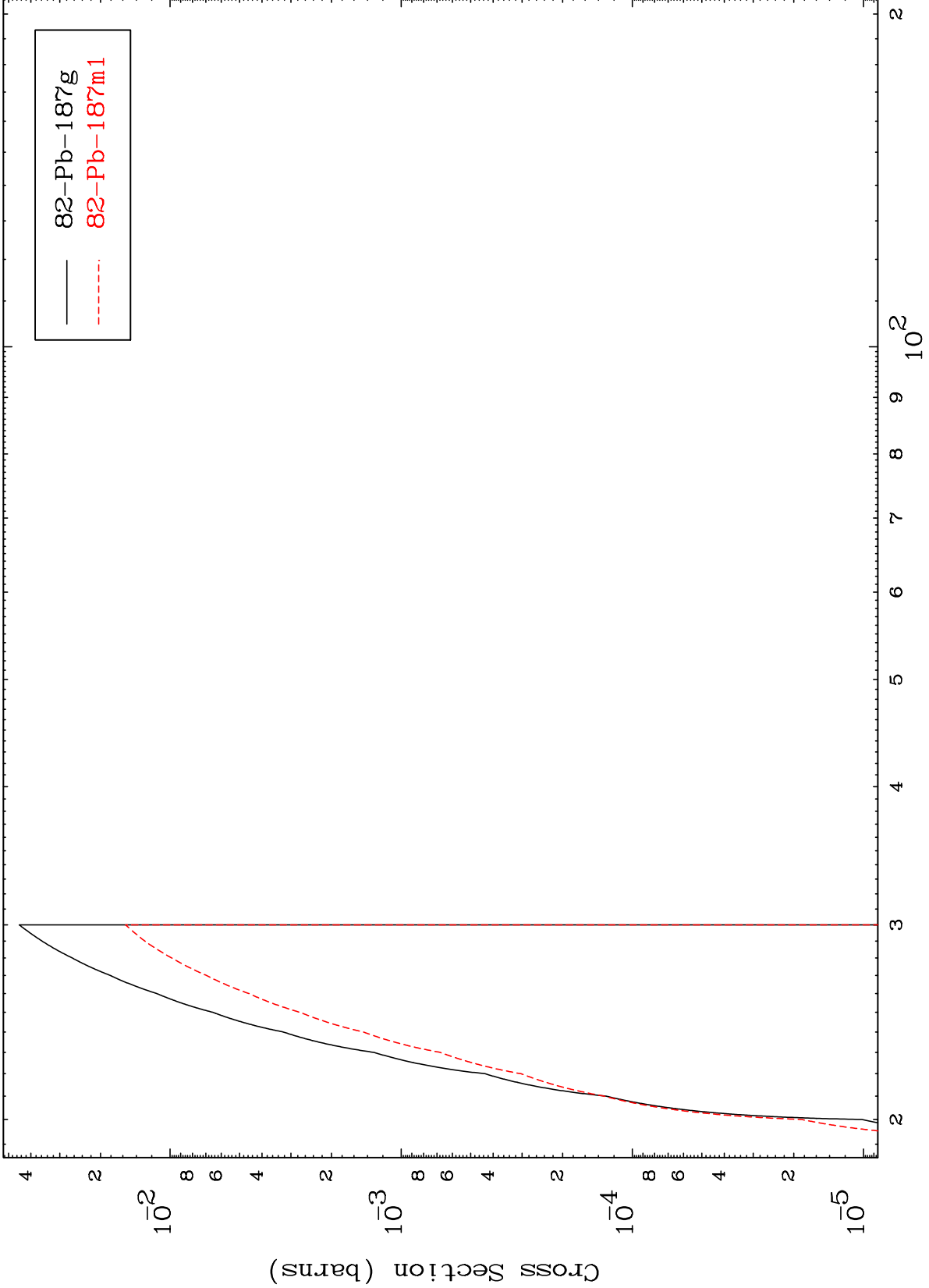
82-Pb-189

MAT 8180

(n,3n)

82-Pb-189

Radionuclide Production Cross Section



98

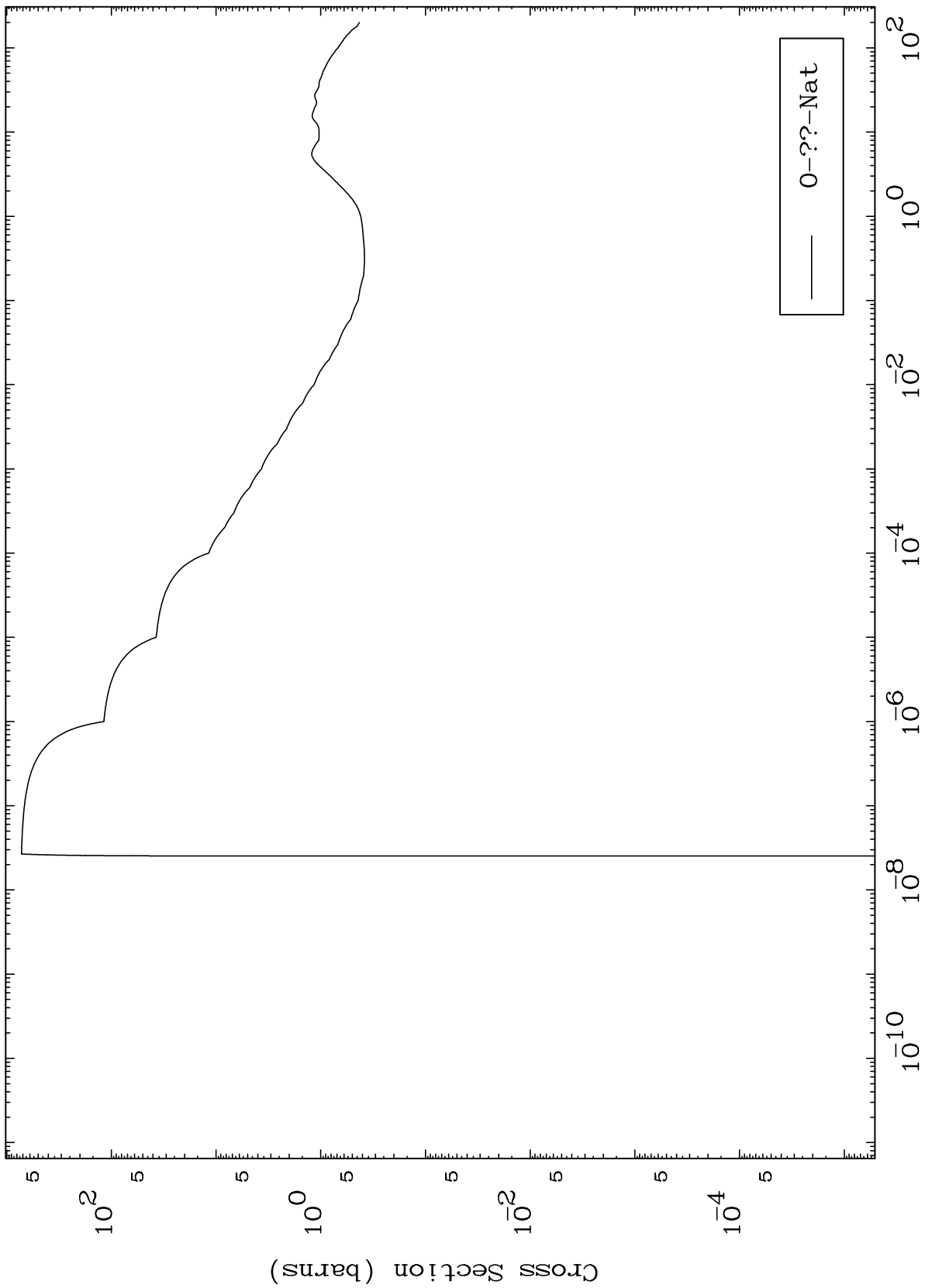
Incident Energy (MeV)

82-Pb-189

MAT 8180

82-Pb-189

Fission  
Radionuclide Production Cross Section



99

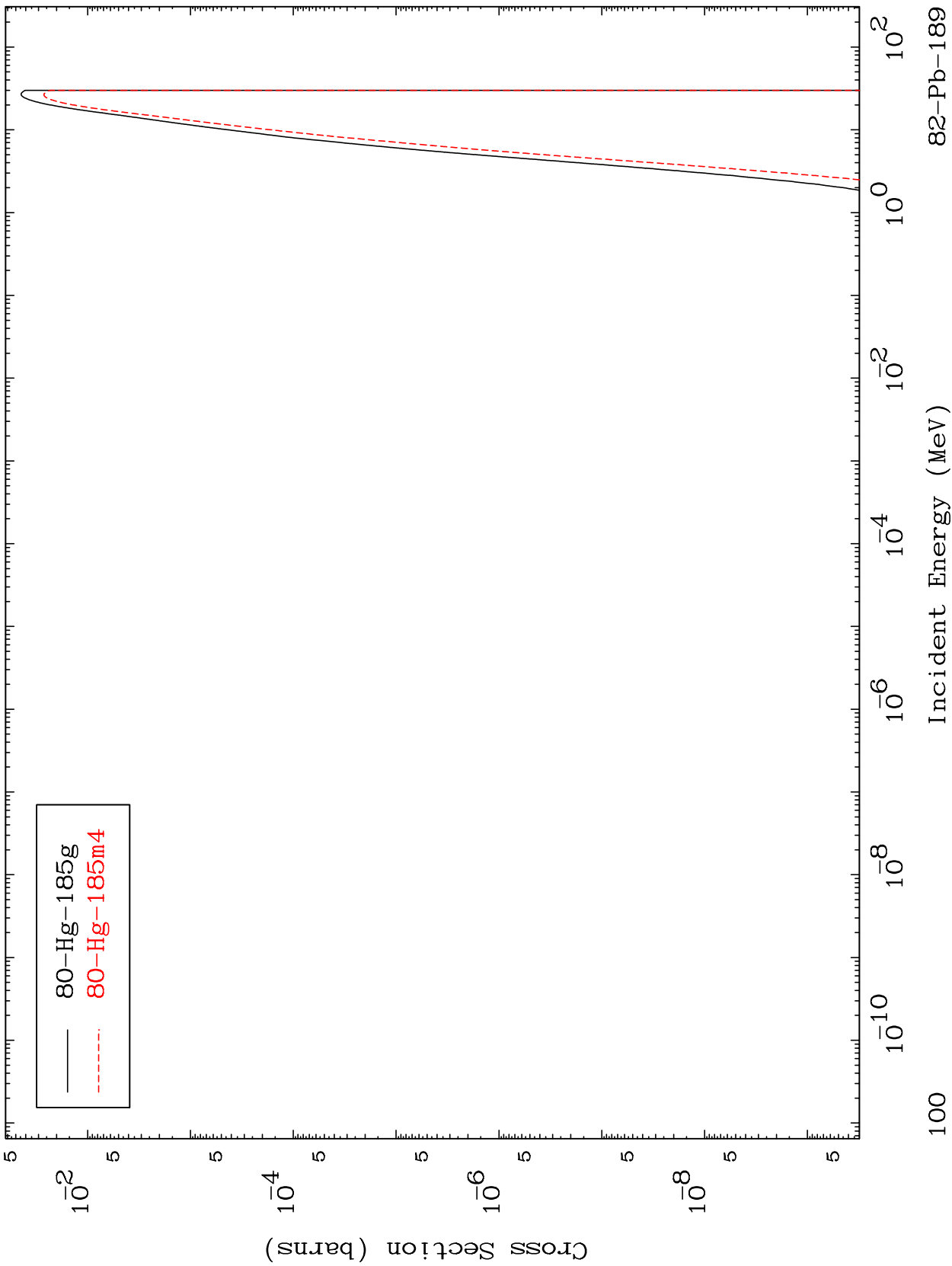
82-Pb-189

MAT 8180

$(n, n') \alpha$

82-Pb-189

Radionuclide Production Cross Section



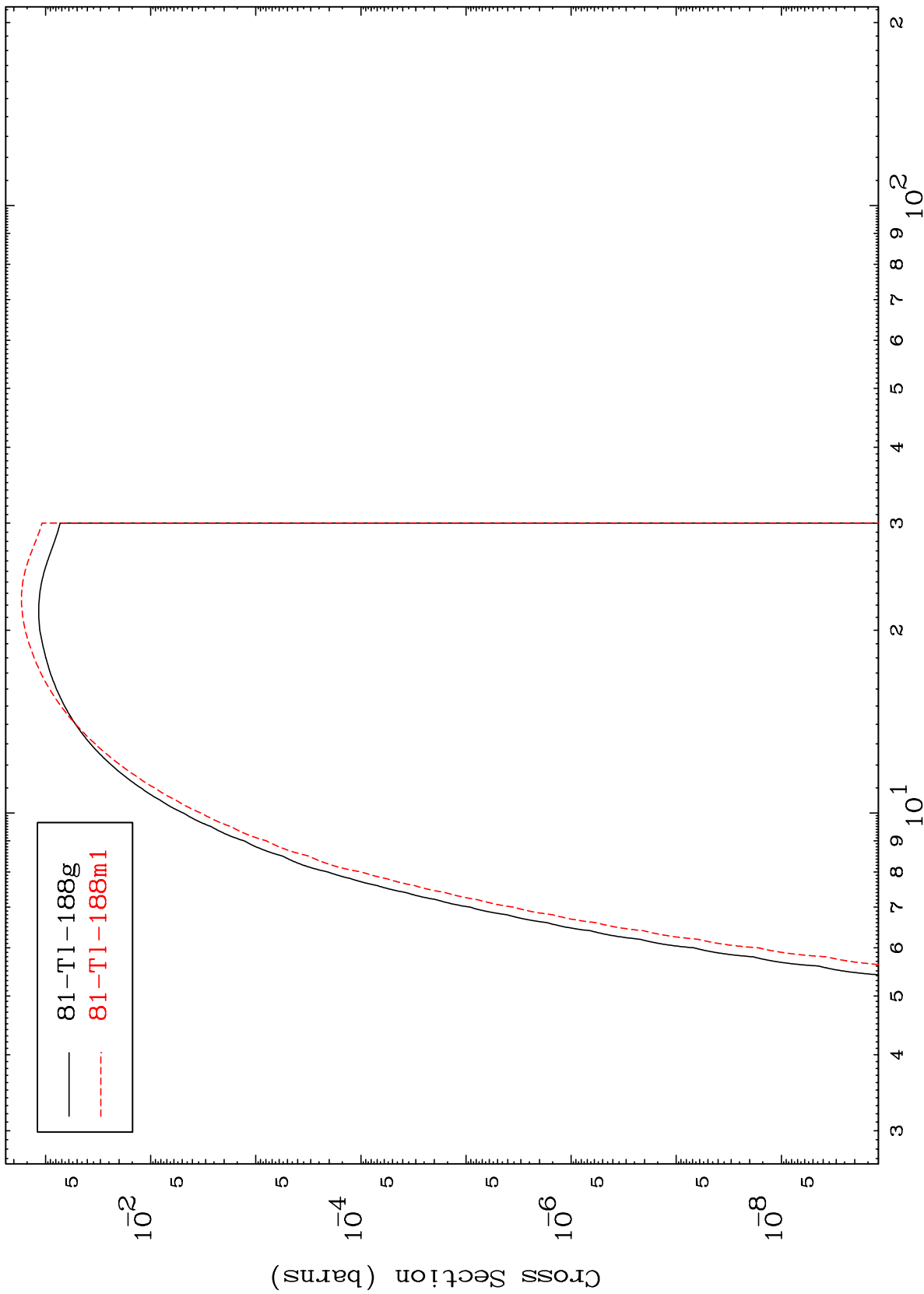
80-Hg-185g  
80-Hg-185m4

MAT 8180

(n,n') p

82-Pb-189

Radionuclide Production Cross Section



101

Incident Energy (MeV)

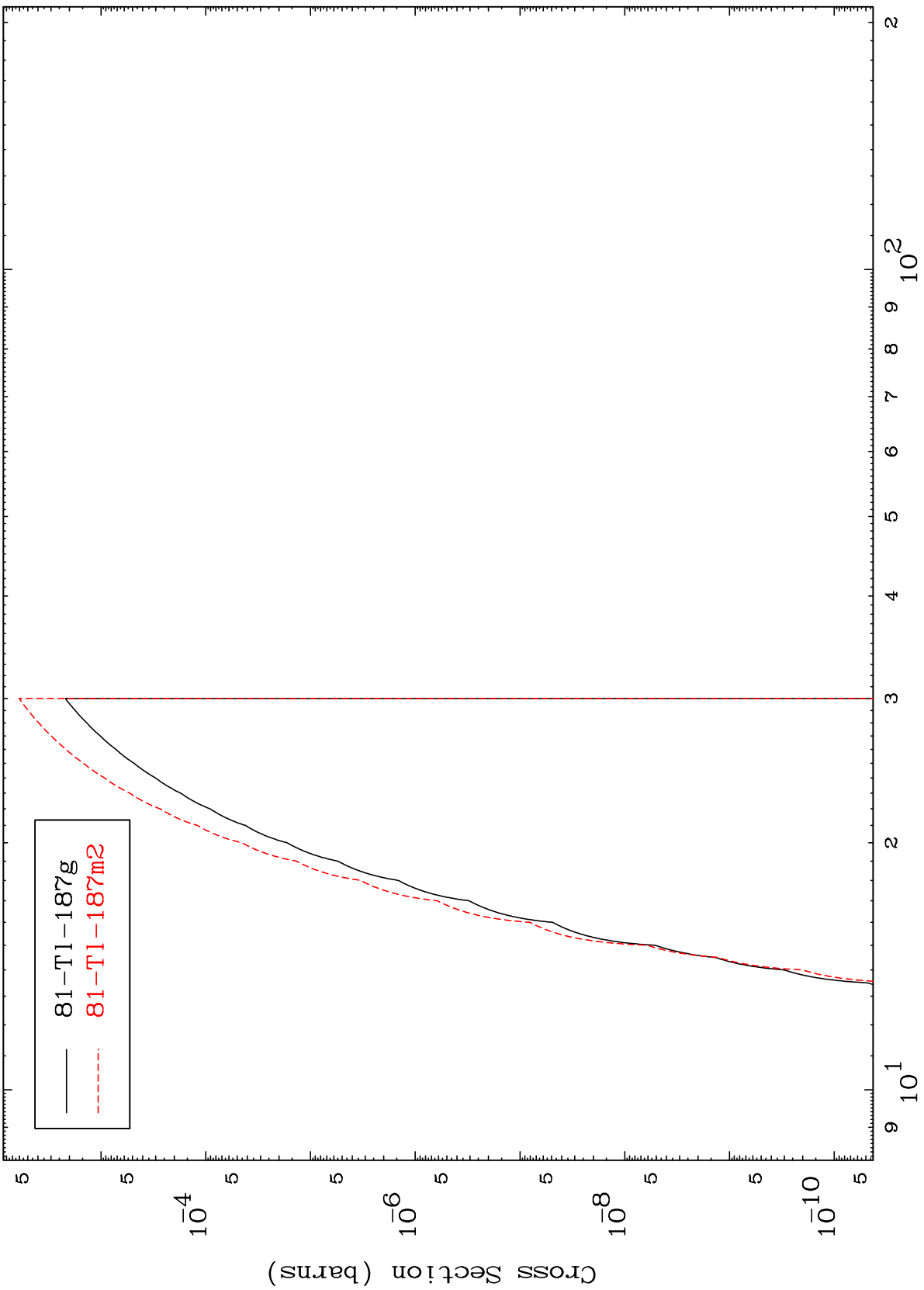
82-Pb-189

MAT 8180

(n,n') d

82-Pb-189

Radionuclide Production Cross Section



102

Incident Energy (MeV)

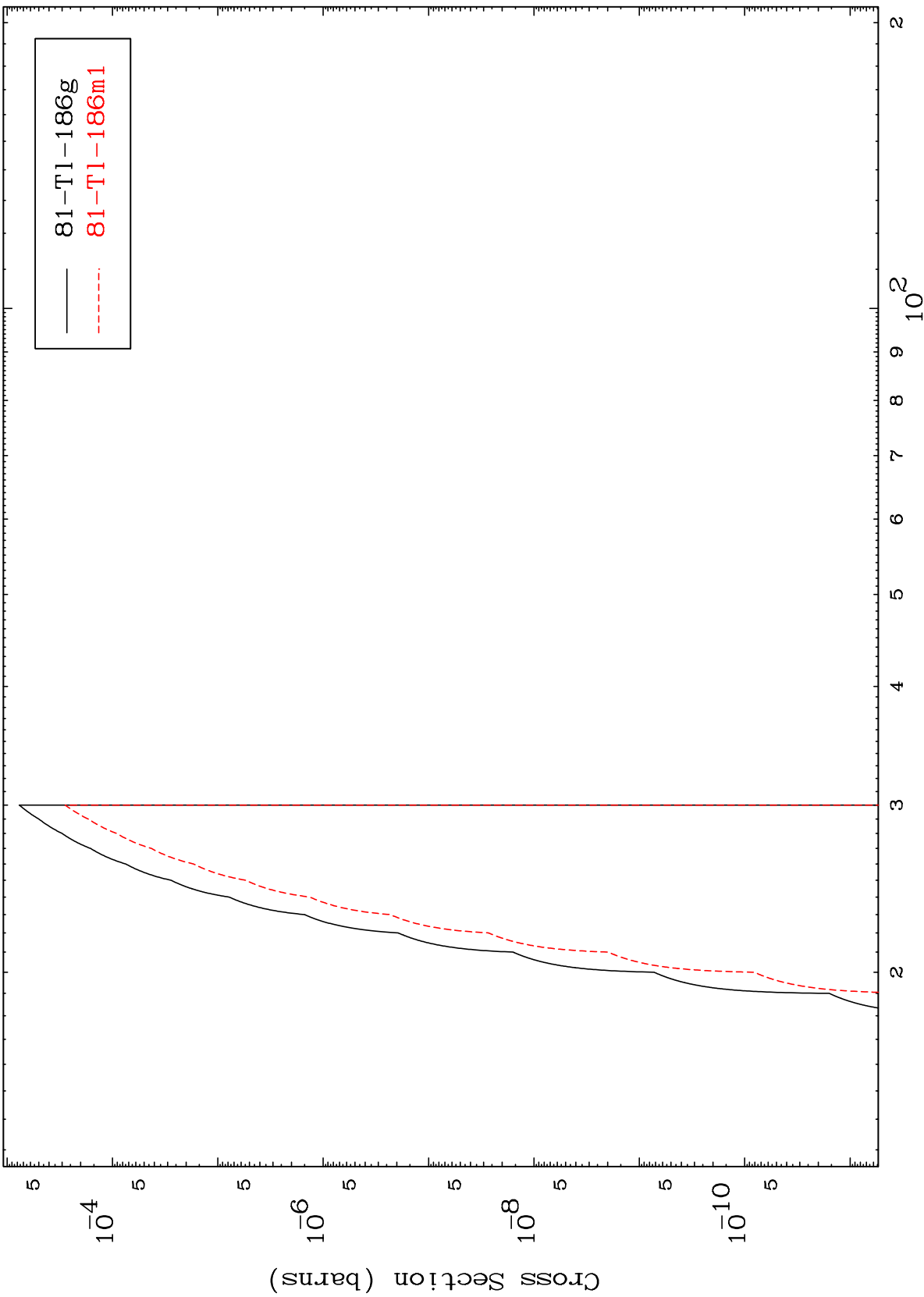
82-Pb-189

MAT 8180

(n,n') t

82-Pb-189

Radionuclide Production Cross Section



81-Tl-186g  
81-Tl-186m1

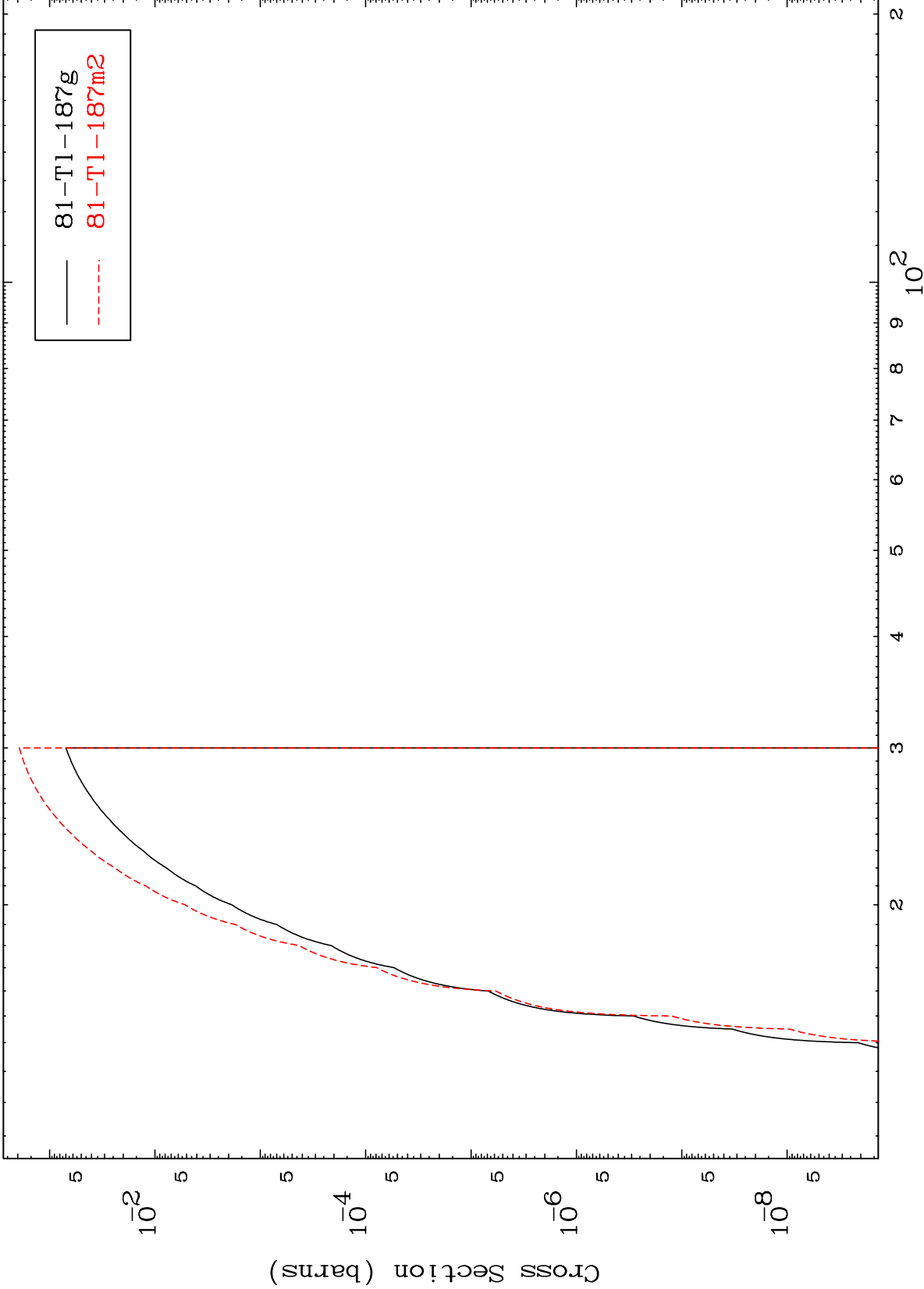
103

Incident Energy (MeV)

82-Pb-189



Radionuclide Production Cross Section



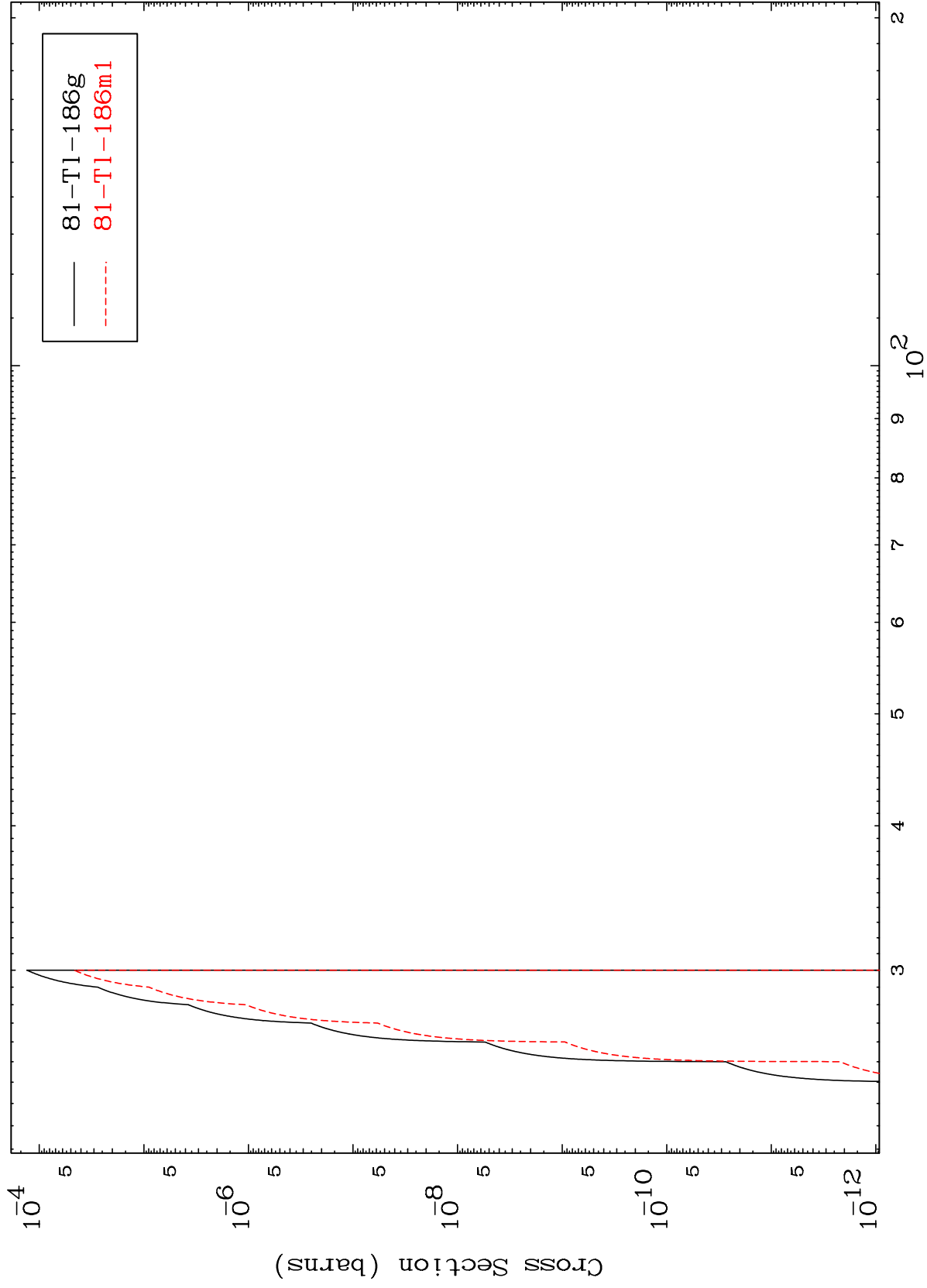
81-Tl-187g  
81-Tl-187m2

MAT 8180

(n,3n) p

82-Pb-189

Radionuclide Production Cross Section



105

Incident Energy (MeV)

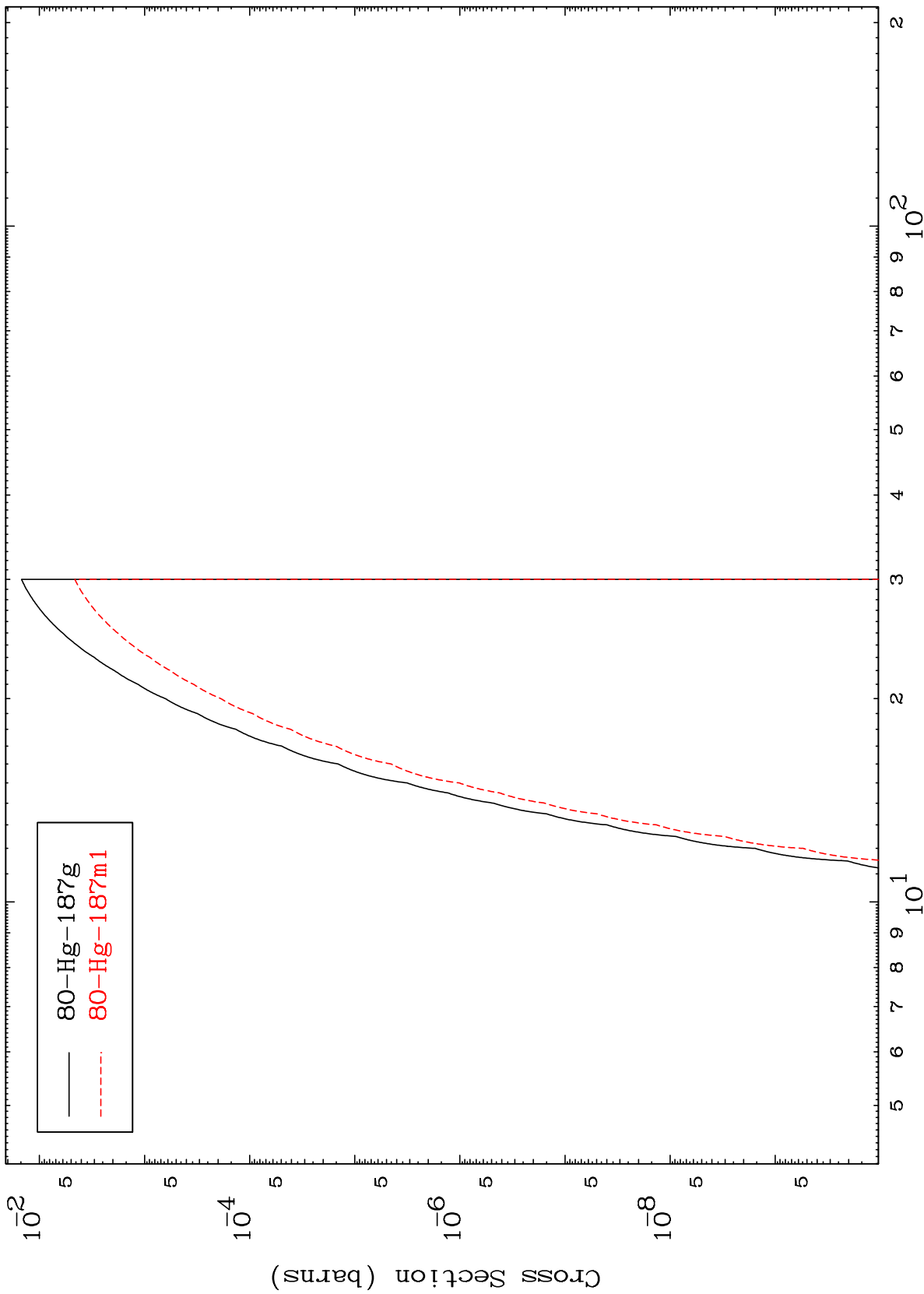
82-Pb-189

MAT 8180

(n,2n) p

82-Pb-189

Radionuclide Production Cross Section



106

Incident Energy (MeV)

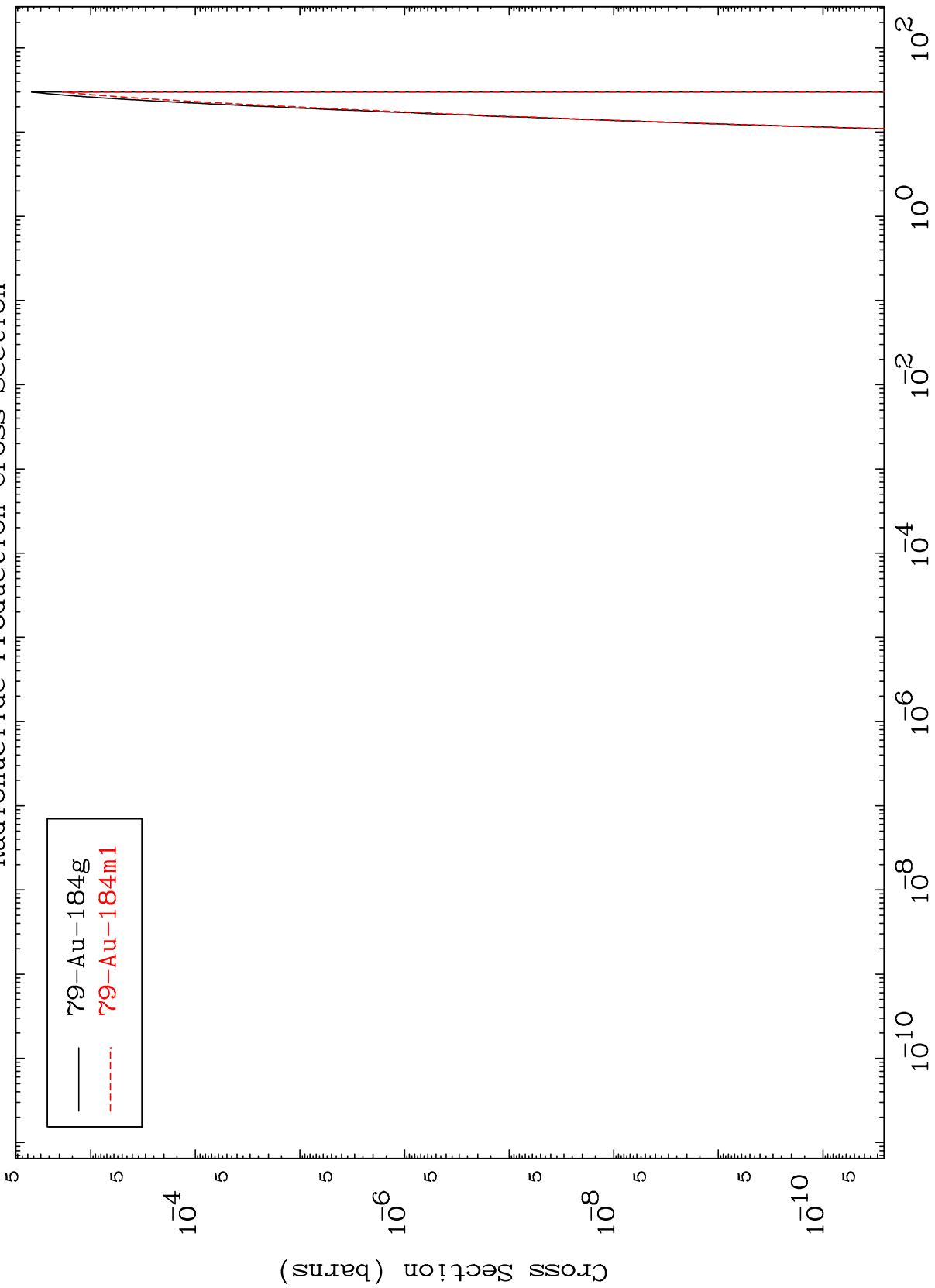
82-Pb-189

MAT 8180

(n,n') p  $\alpha$

82-Pb-189

Radionuclide Production Cross Section



79-Au-184g  
79-Au-184m1

107

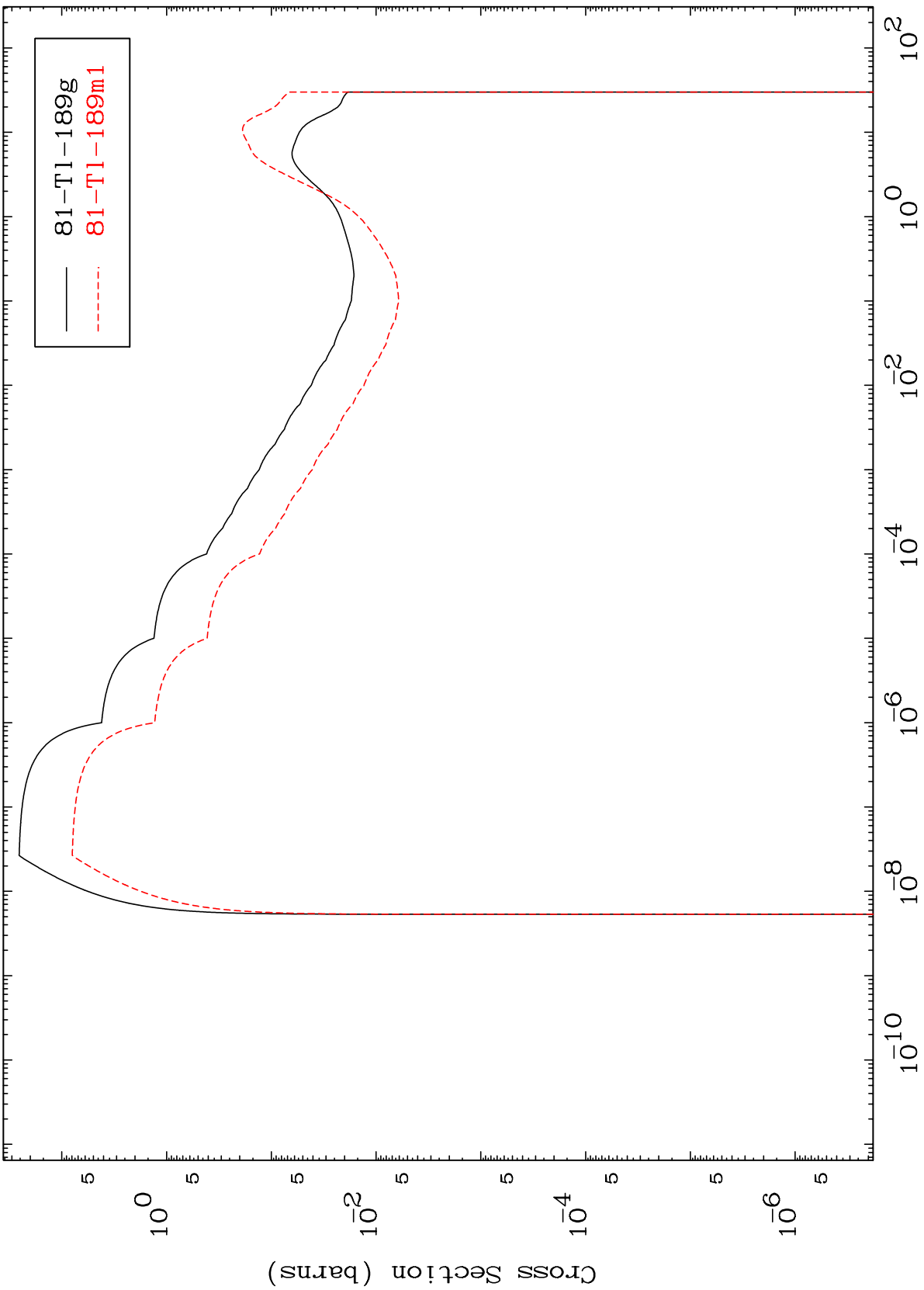
Incident Energy (MeV)

82-Pb-189

MAT 8180

82-Pb-189

(n,p)  
Radionuclide Production Cross Section



108

82-Pb-189

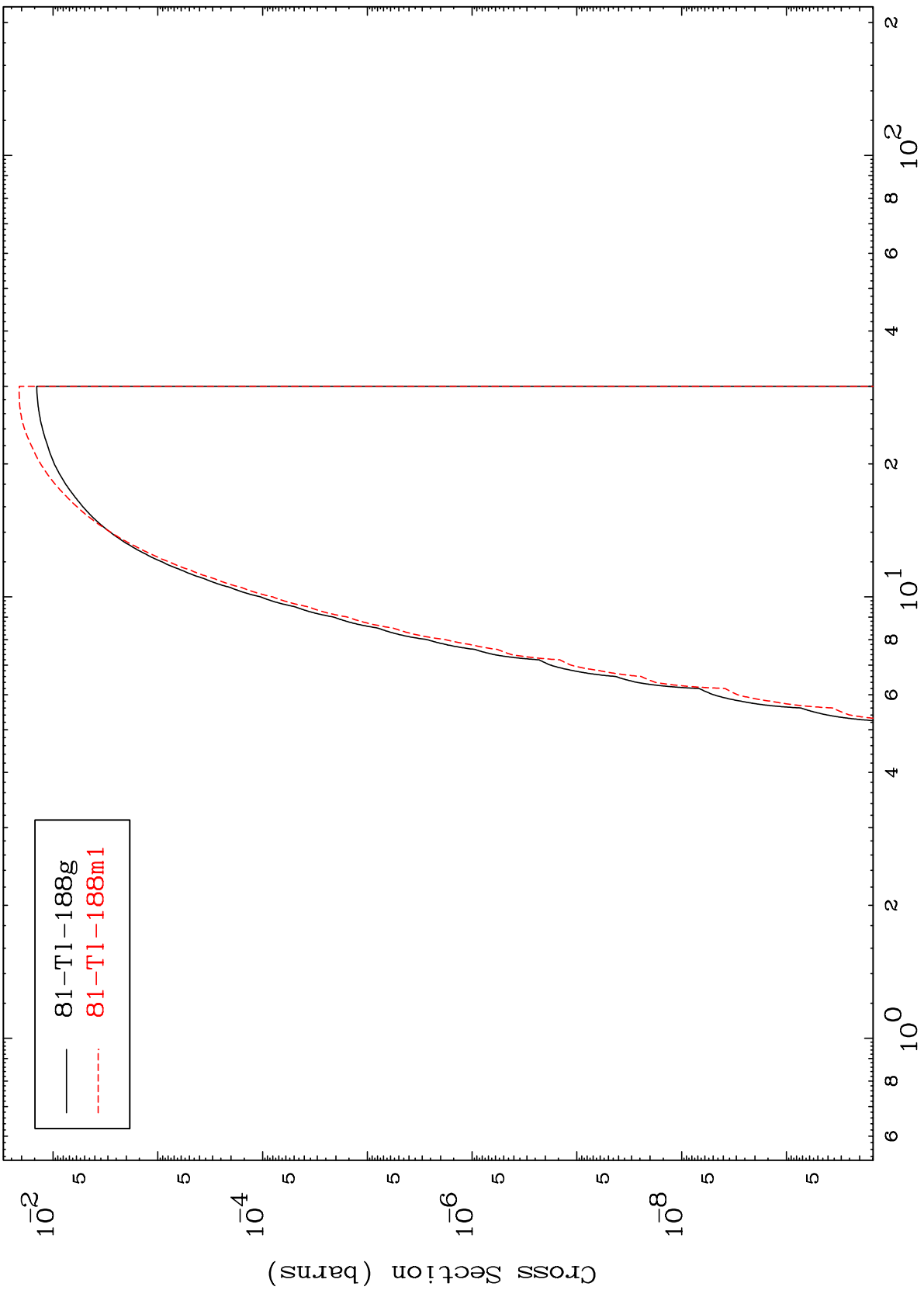
Incident Energy (MeV)

MAT 8180

(n,d)

82-Pb-189

Radionuclide Production Cross Section



109

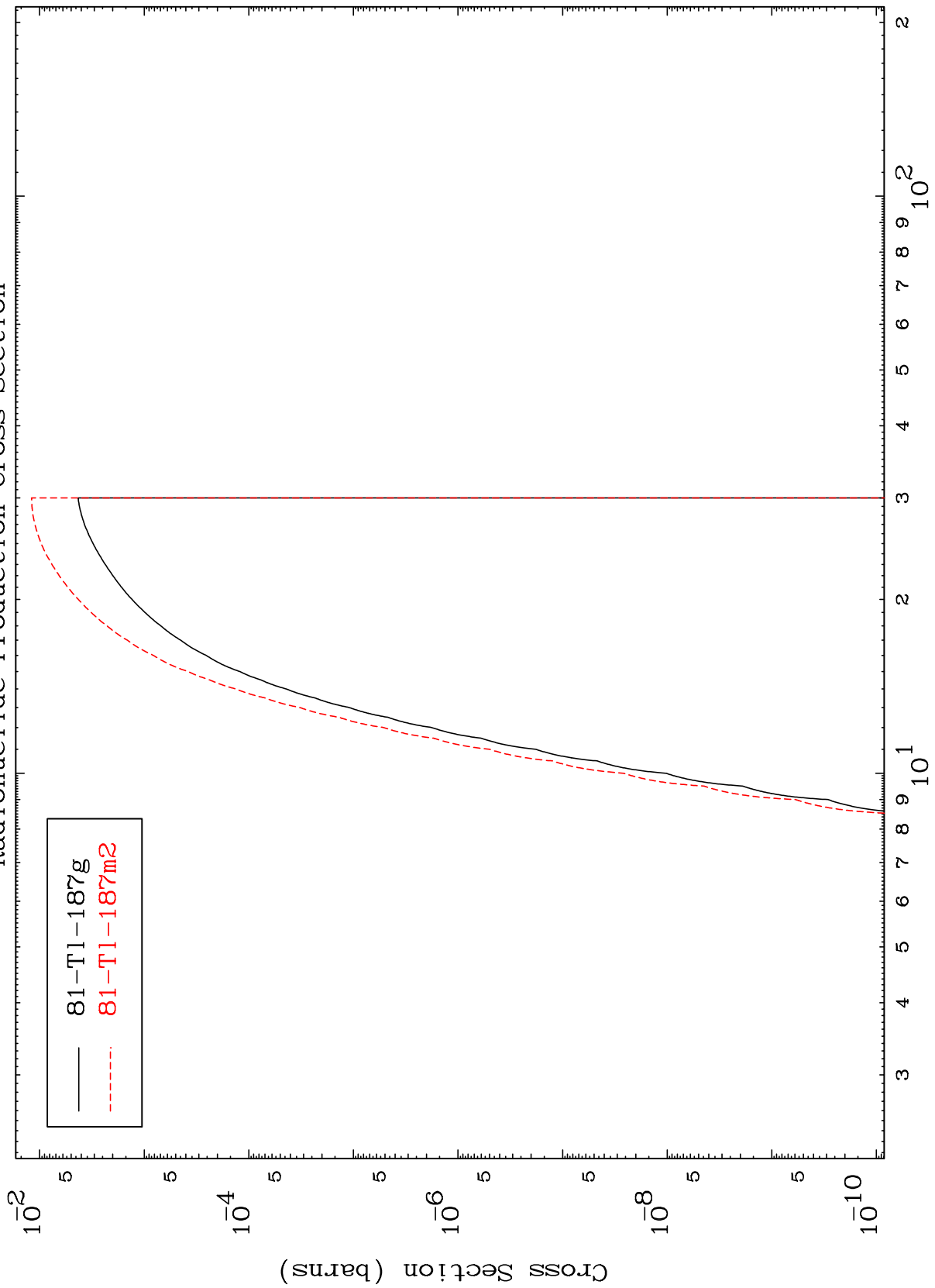
Incident Energy (MeV)

82-Pb-189

MAT 8180

82-Pb-189

(n,t)  
Radionuclide Production Cross Section



110

82-Pb-189

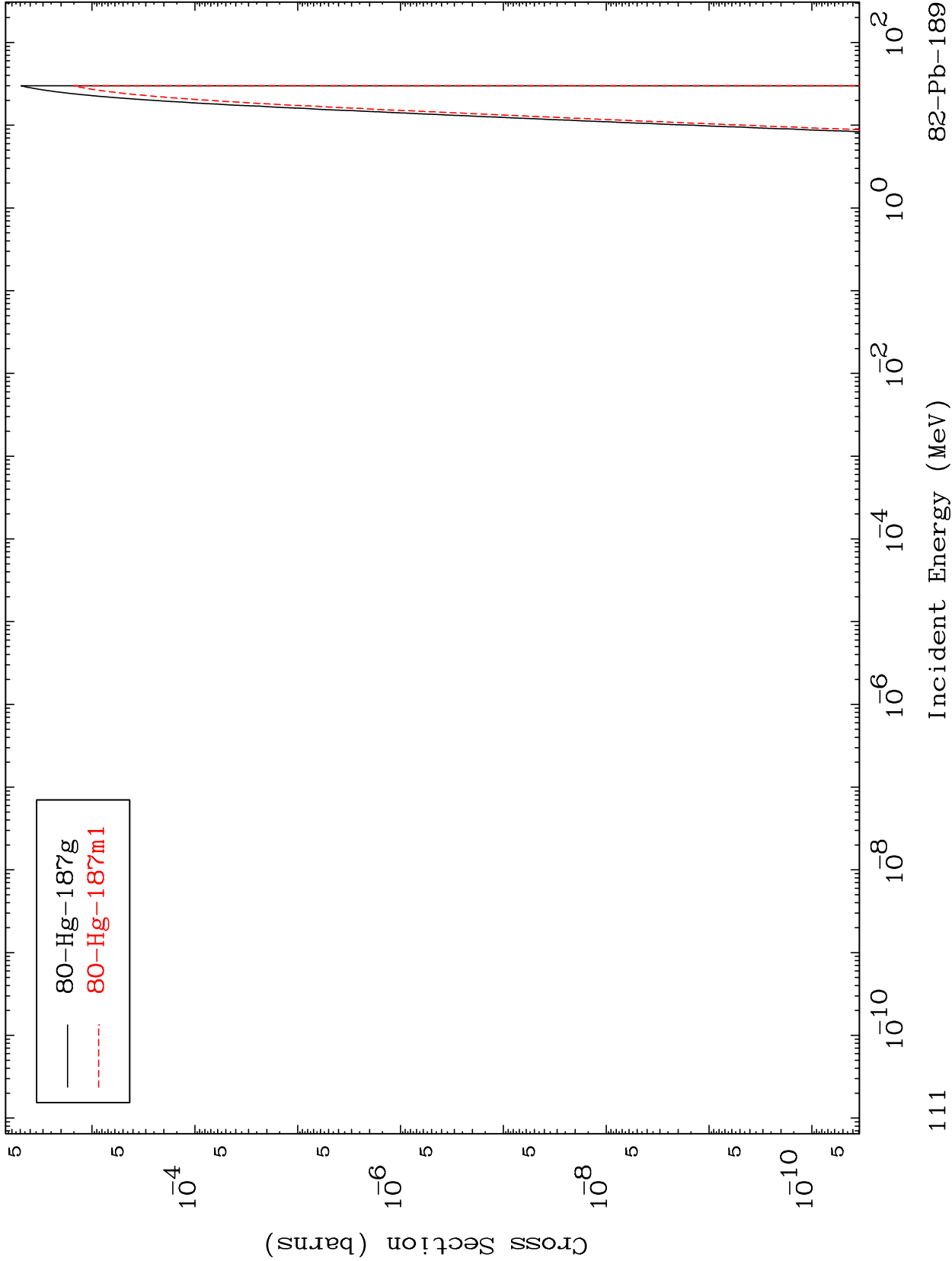
Incident Energy (MeV)

MAT 8180

(n,He-3)

82-Pb-189

Radionuclide Production Cross Section



80-Hg-187g  
80-Hg-187m1

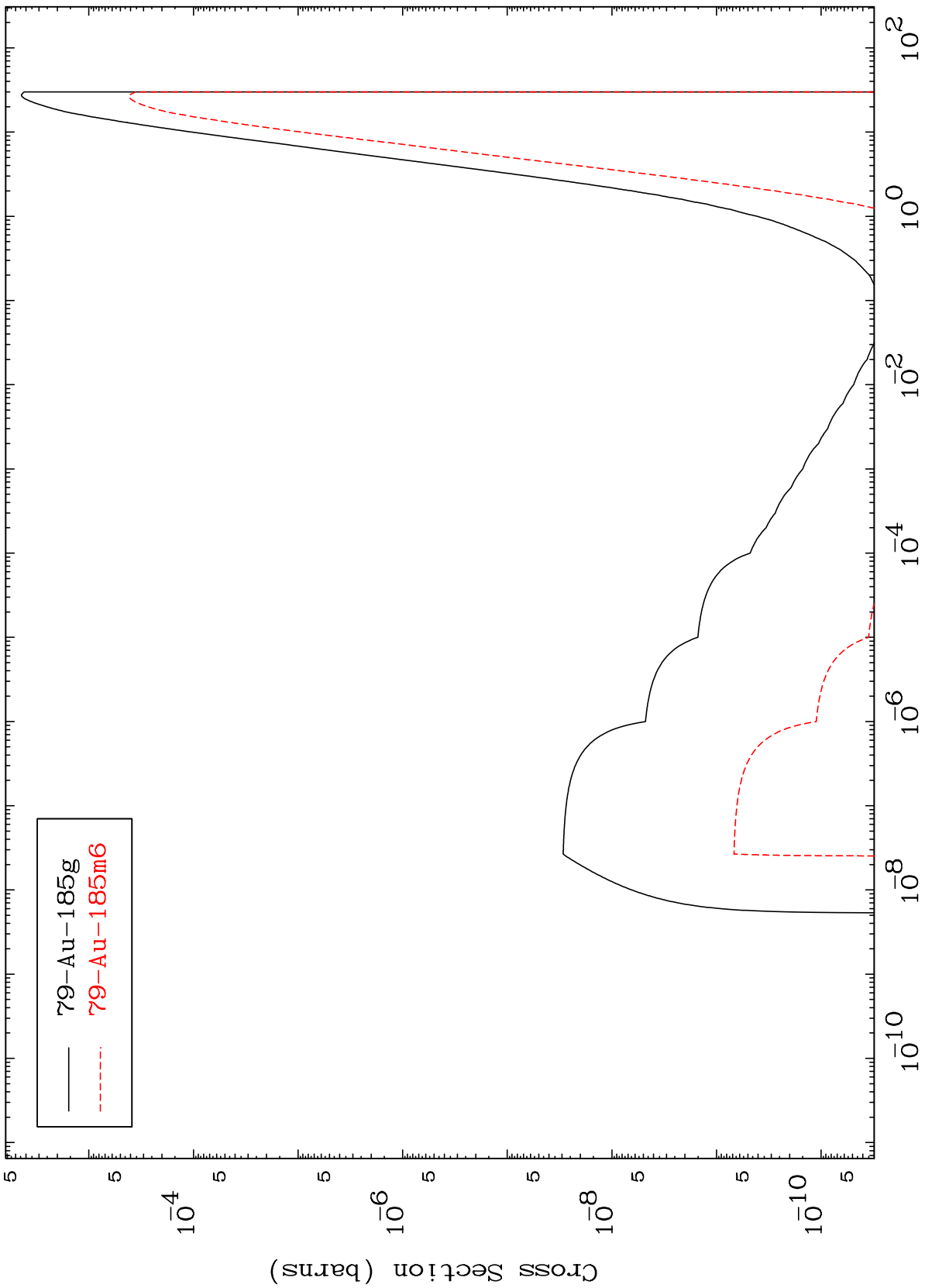


MAT 8180

(n,p)  $\alpha$

82-Pb-189

Radionuclide Production Cross Section



112

Incident Energy (MeV)

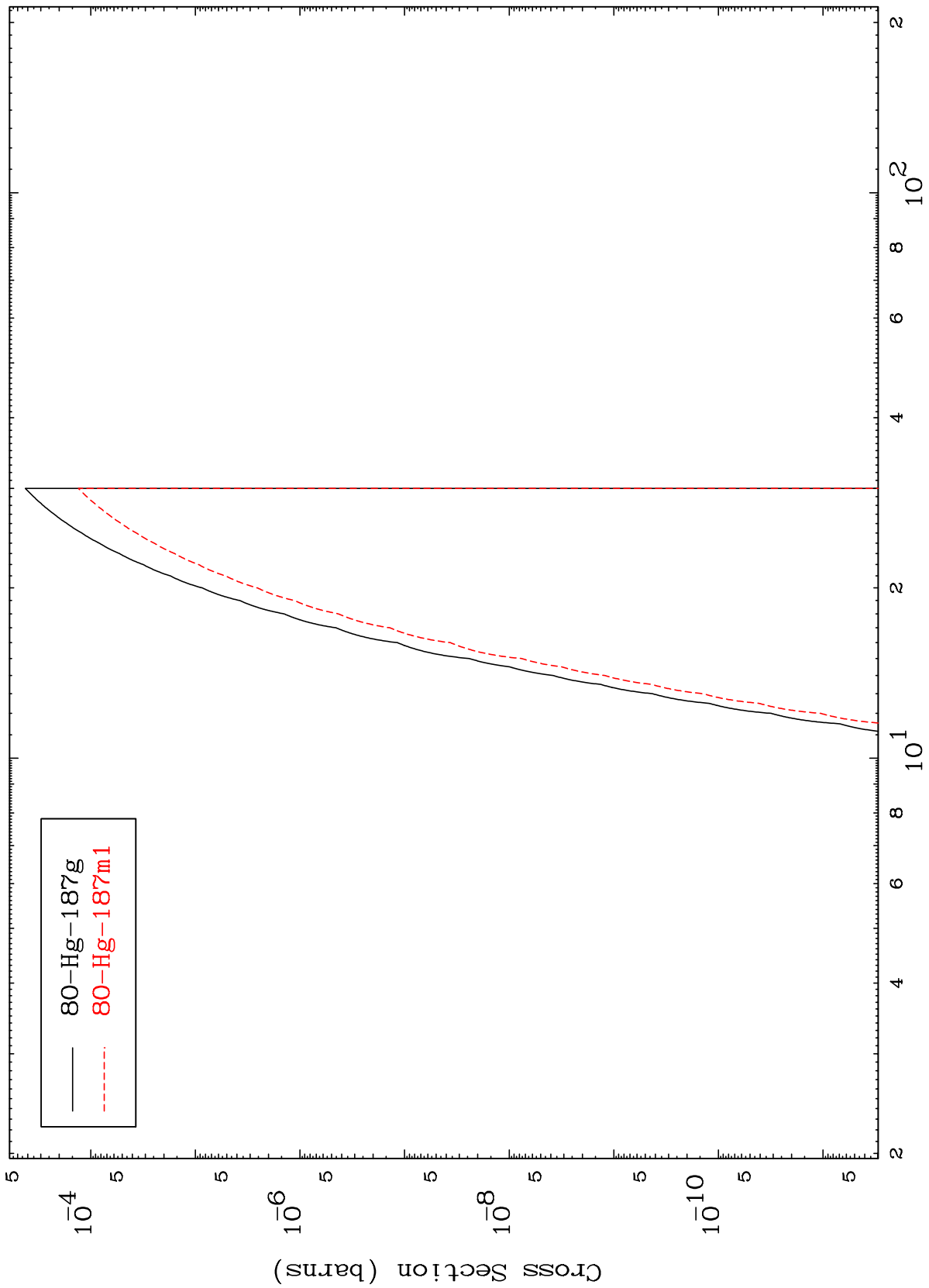
82-Pb-189

MAT 8180

(n,p) d

82-Pb-189

Radionuclide Production Cross Section



113

Incident Energy (MeV)

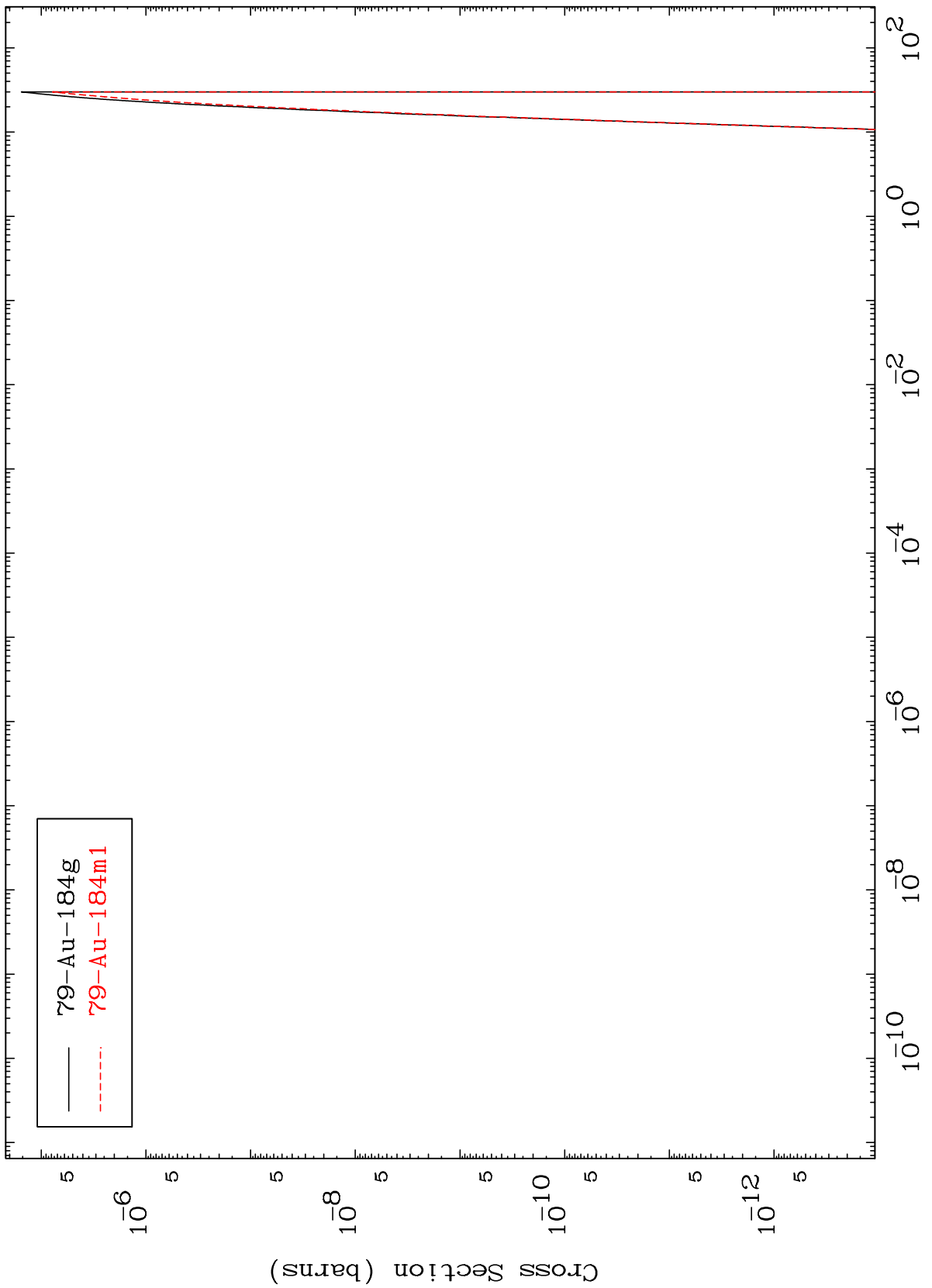
82-Pb-189

MAT 8180

(n,d)  $\alpha$

82-Pb-189

Radionuclide Production Cross Section



79-Au-184g  
79-Au-184m1