

Program EVALPLOT  
(Version 2021-1)

by

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(Present Contact Information)

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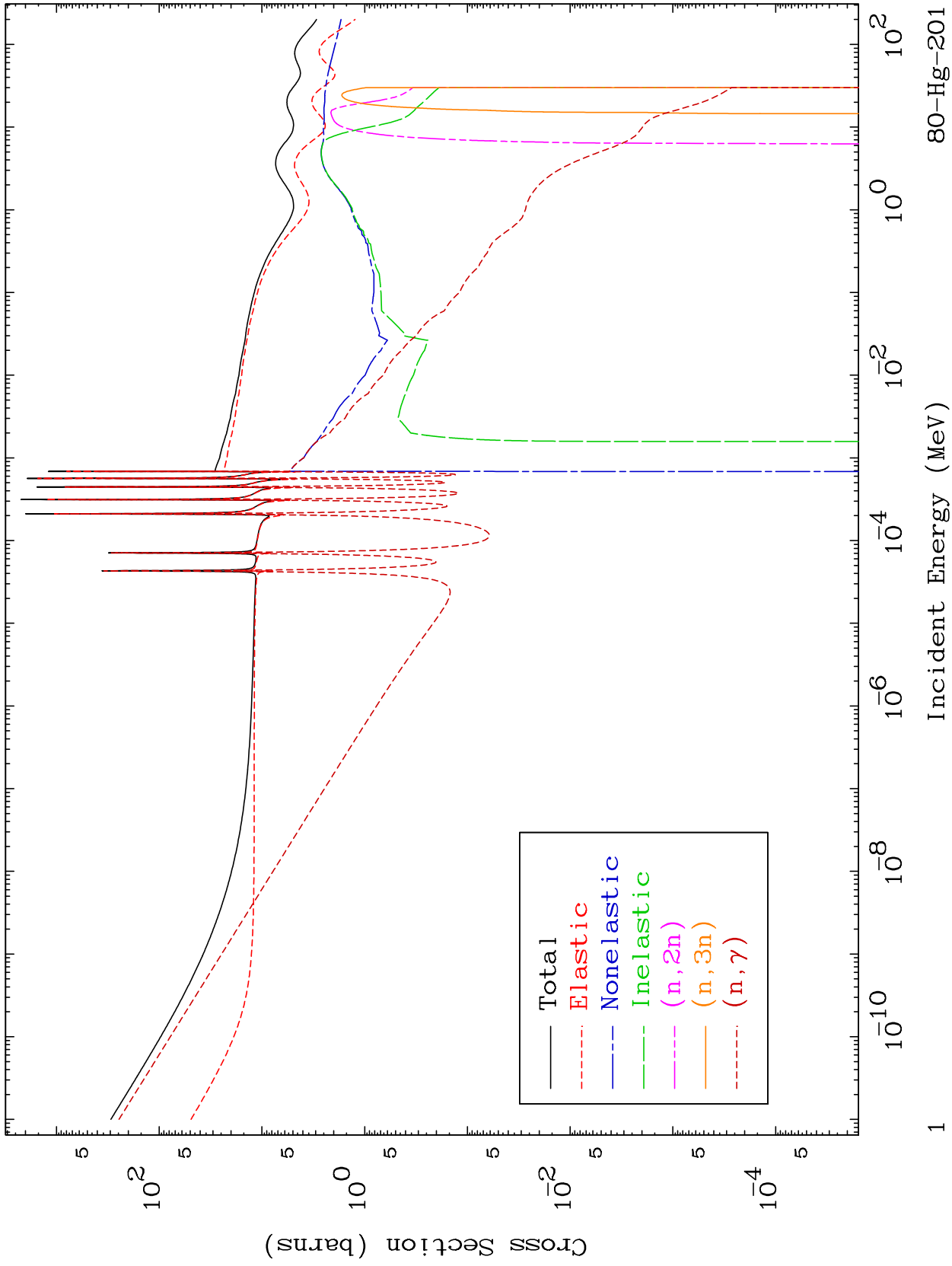
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8040

Neutron Major  
293 Kelvin Cross Sections

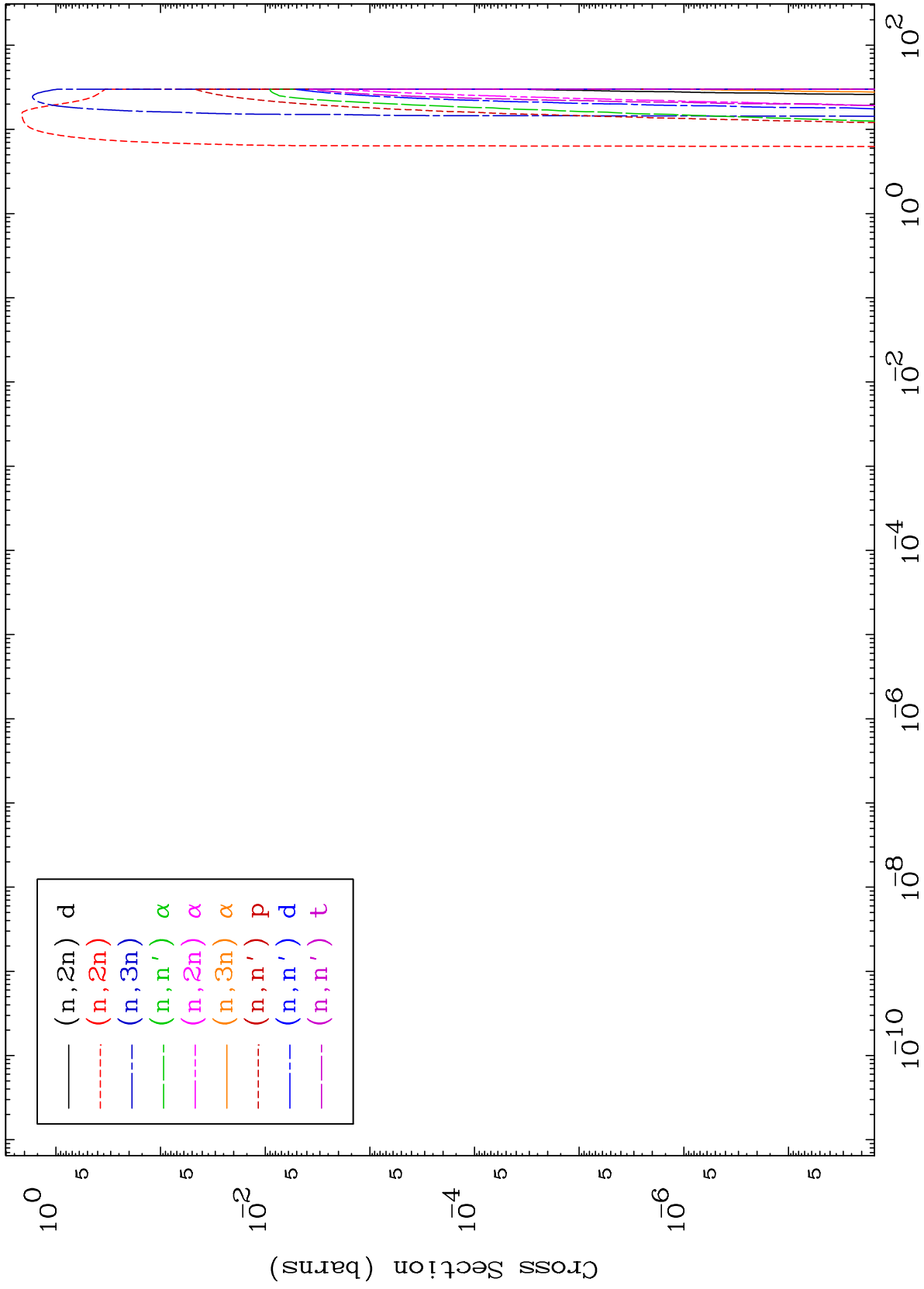
80-Hg-201



MAT 8040

Neutron Absorption  
293 Kelvin Cross Sections

80-Hg-201



2

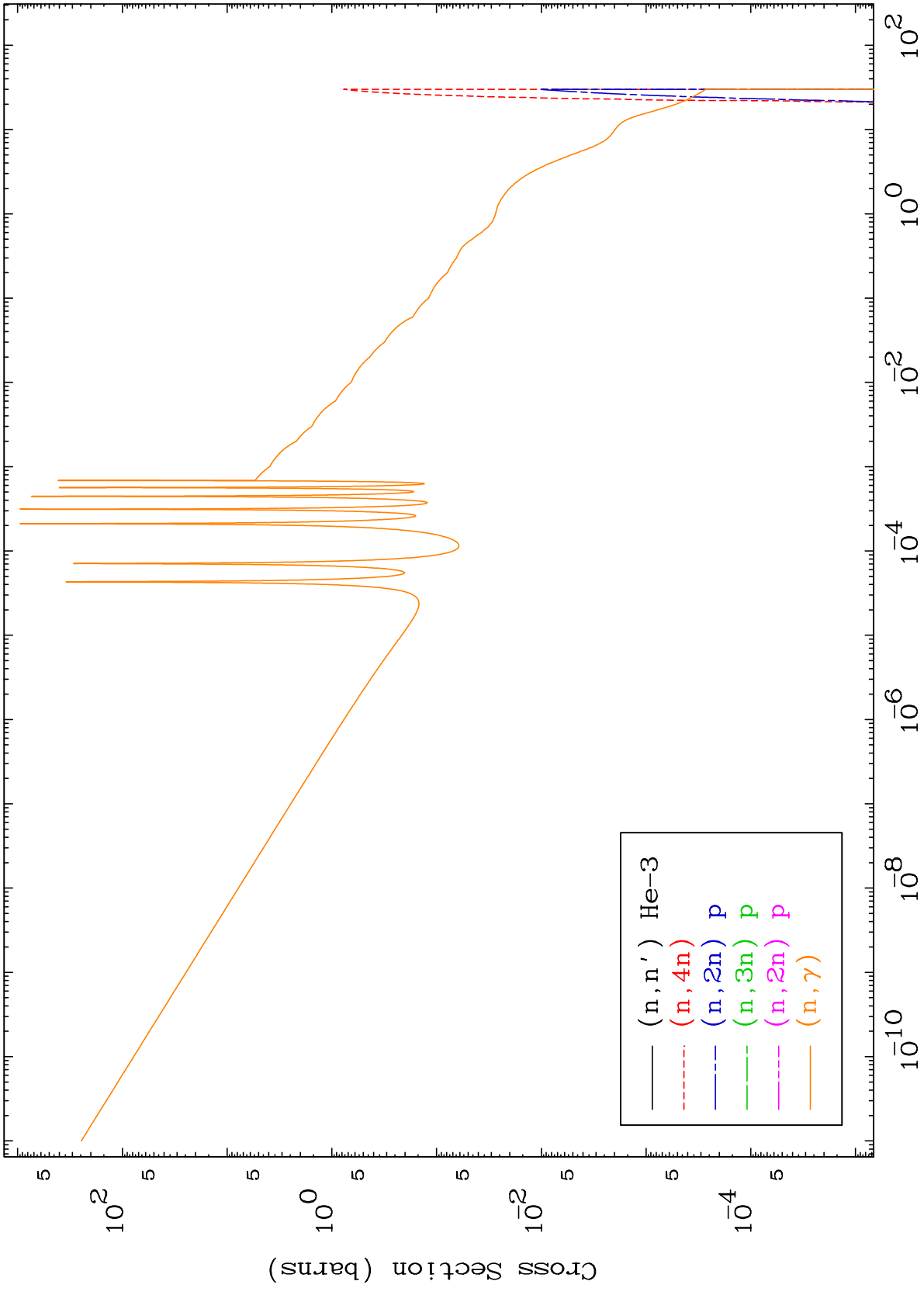
Incident Energy (MeV)

80-Hg-201

MAT 8040

Neutron Absorption  
293 Kelvin Cross Sections

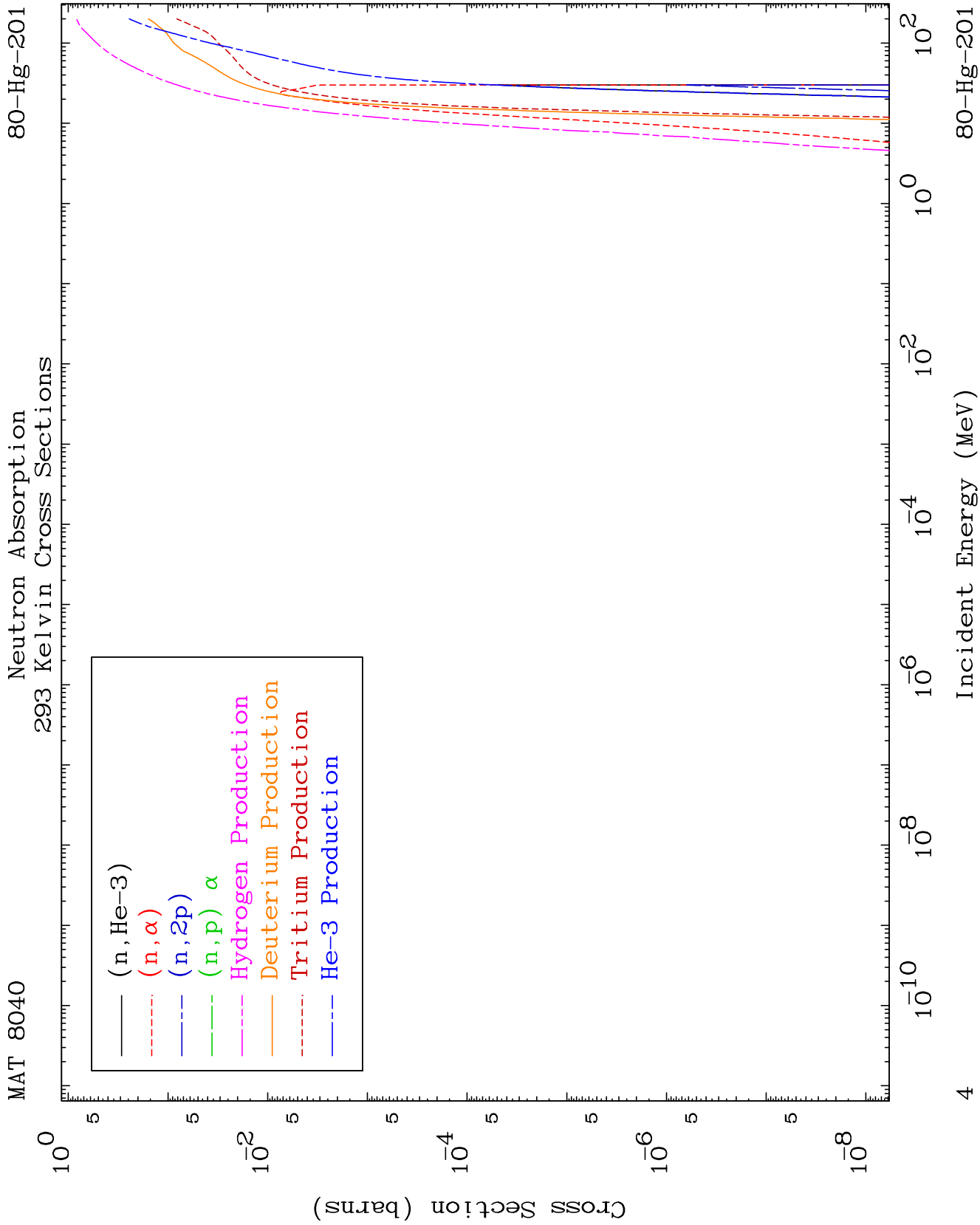
80-Hg-201



3

Incident Energy (MeV)

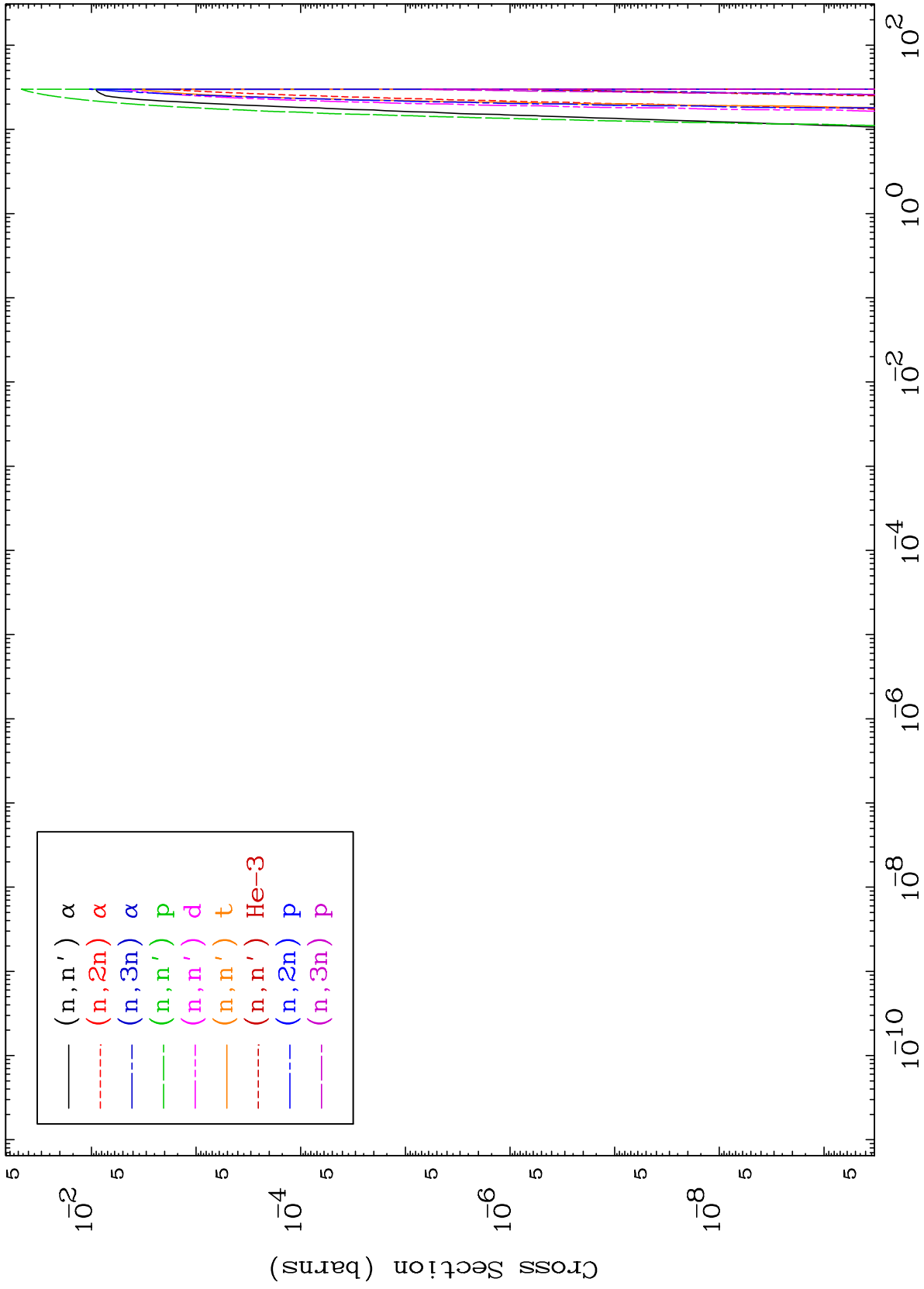
80-Hg-201



MAT 8040

293 Kelvin Cross Sections

80-Hg-201



5

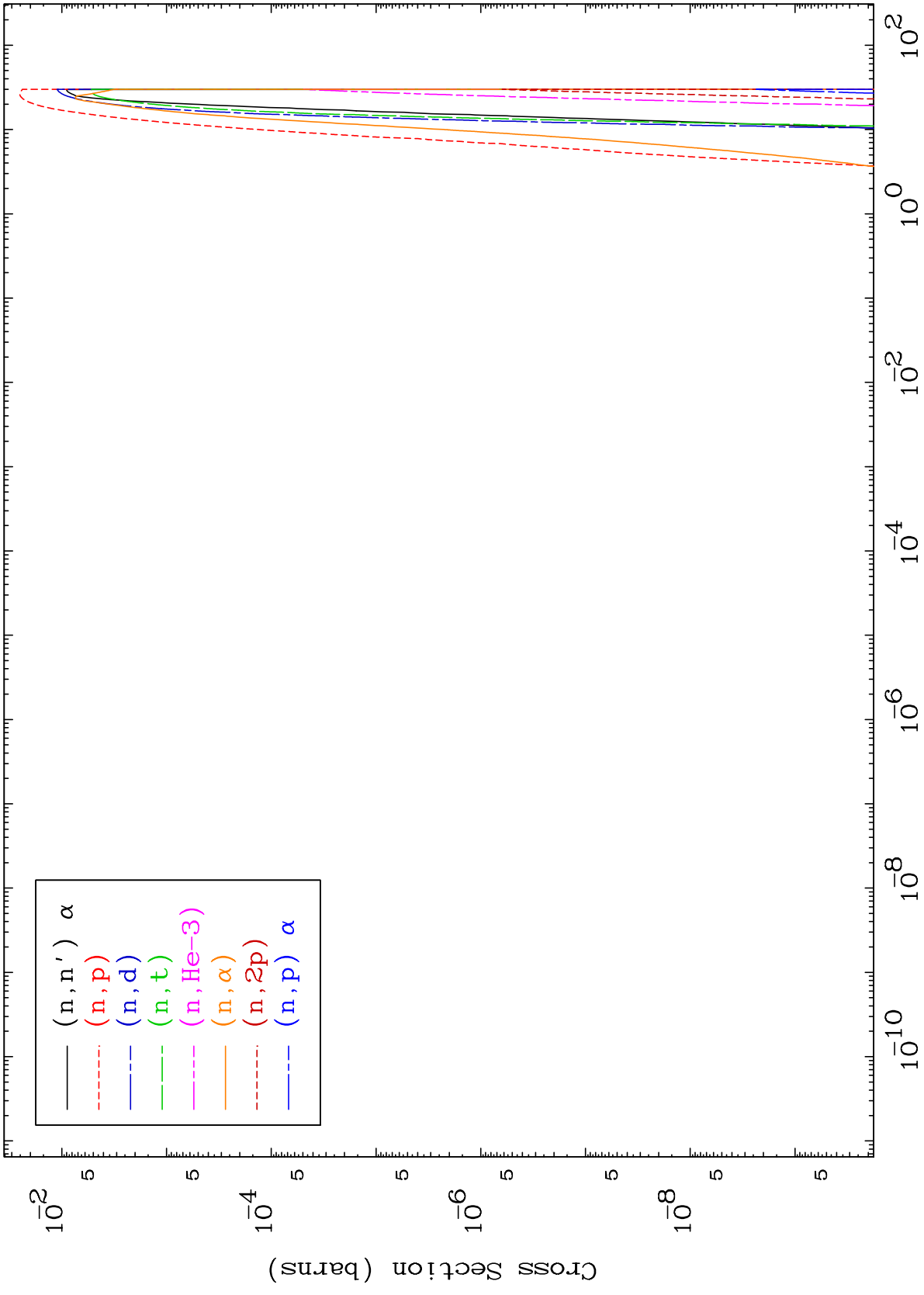
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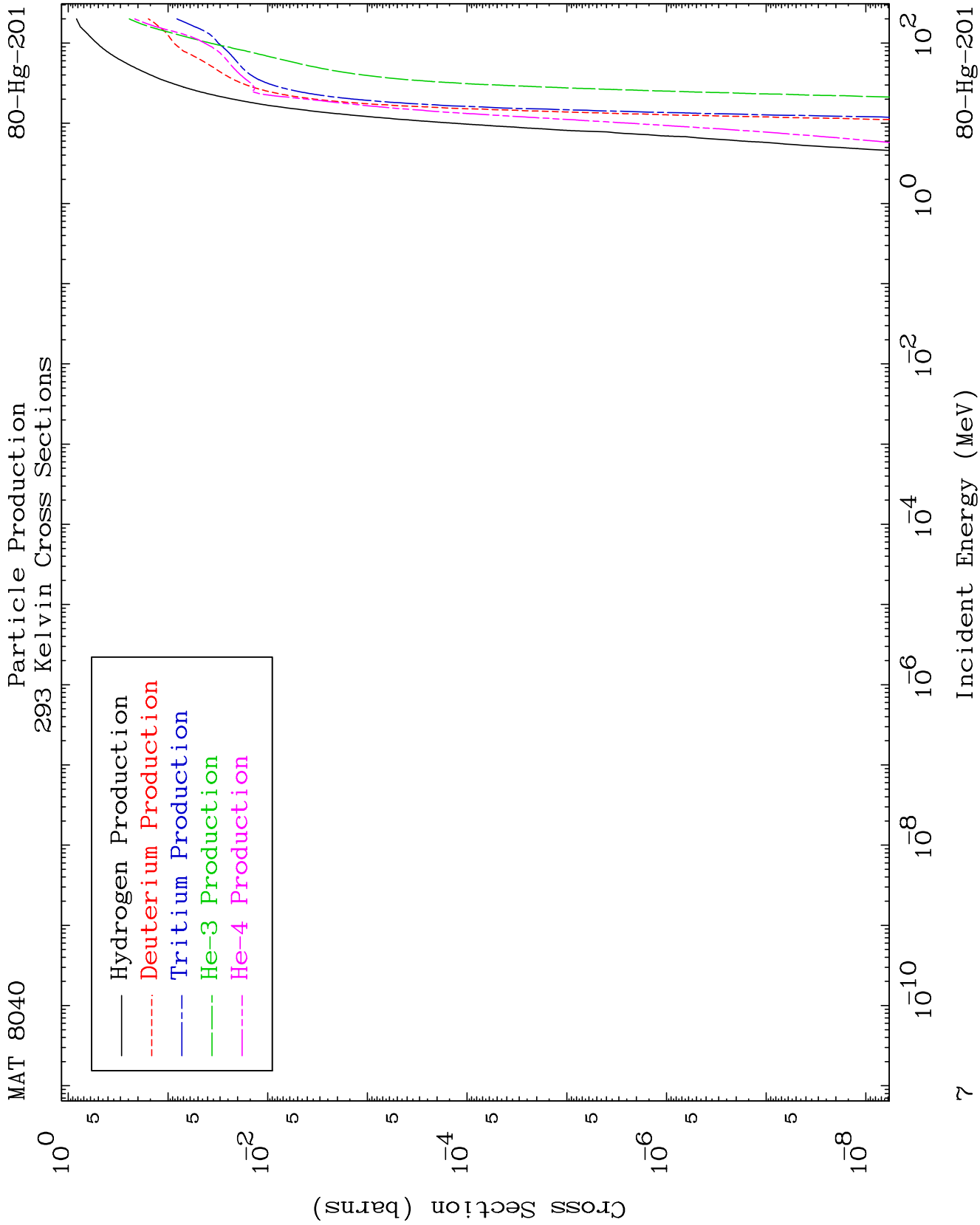
80-Hg-201

MAT 8040

293 Kelvin Cross Sections  
Charged Particle

80-Hg-201



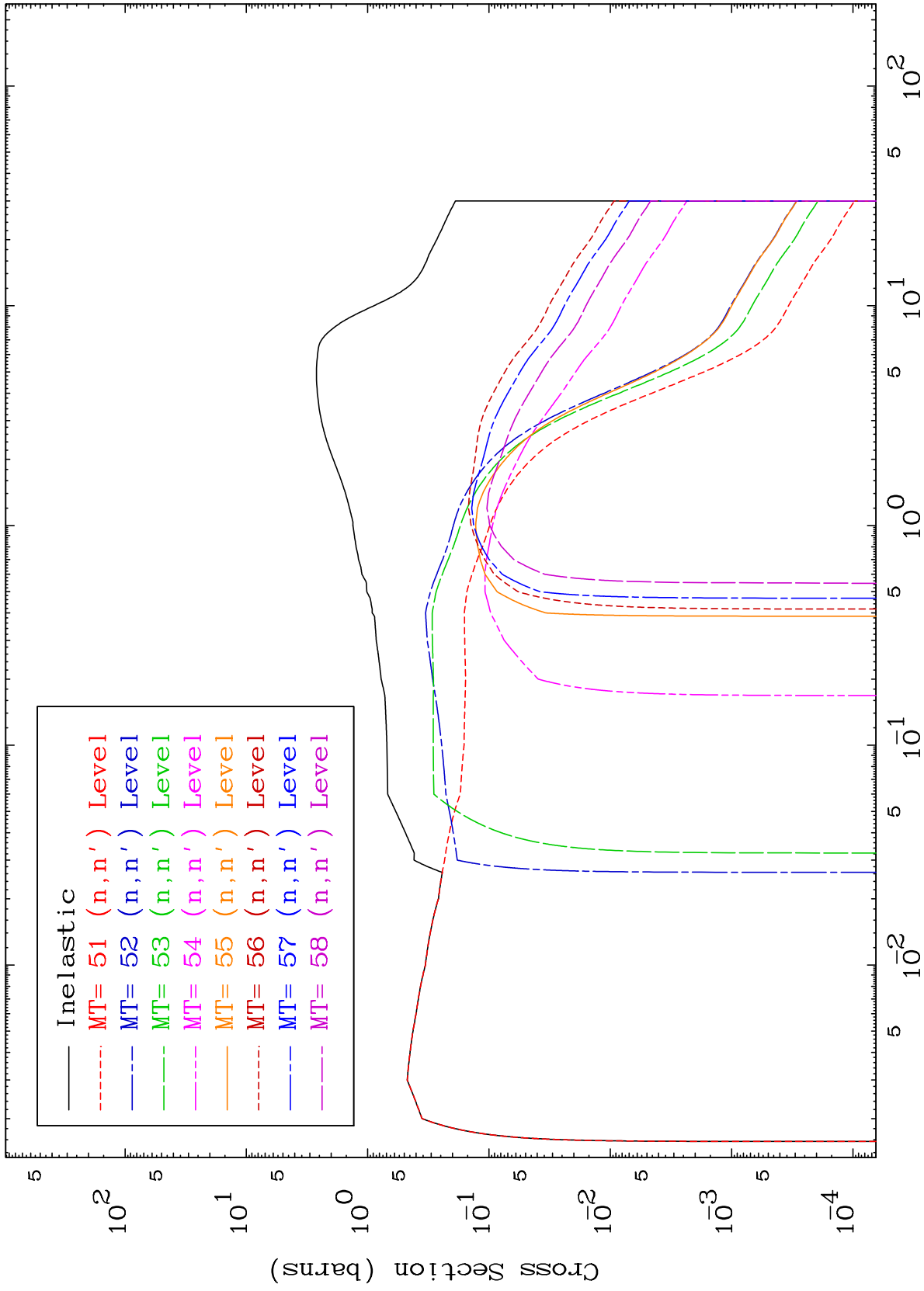




MAT 8040

293 Kelvin Cross Sections

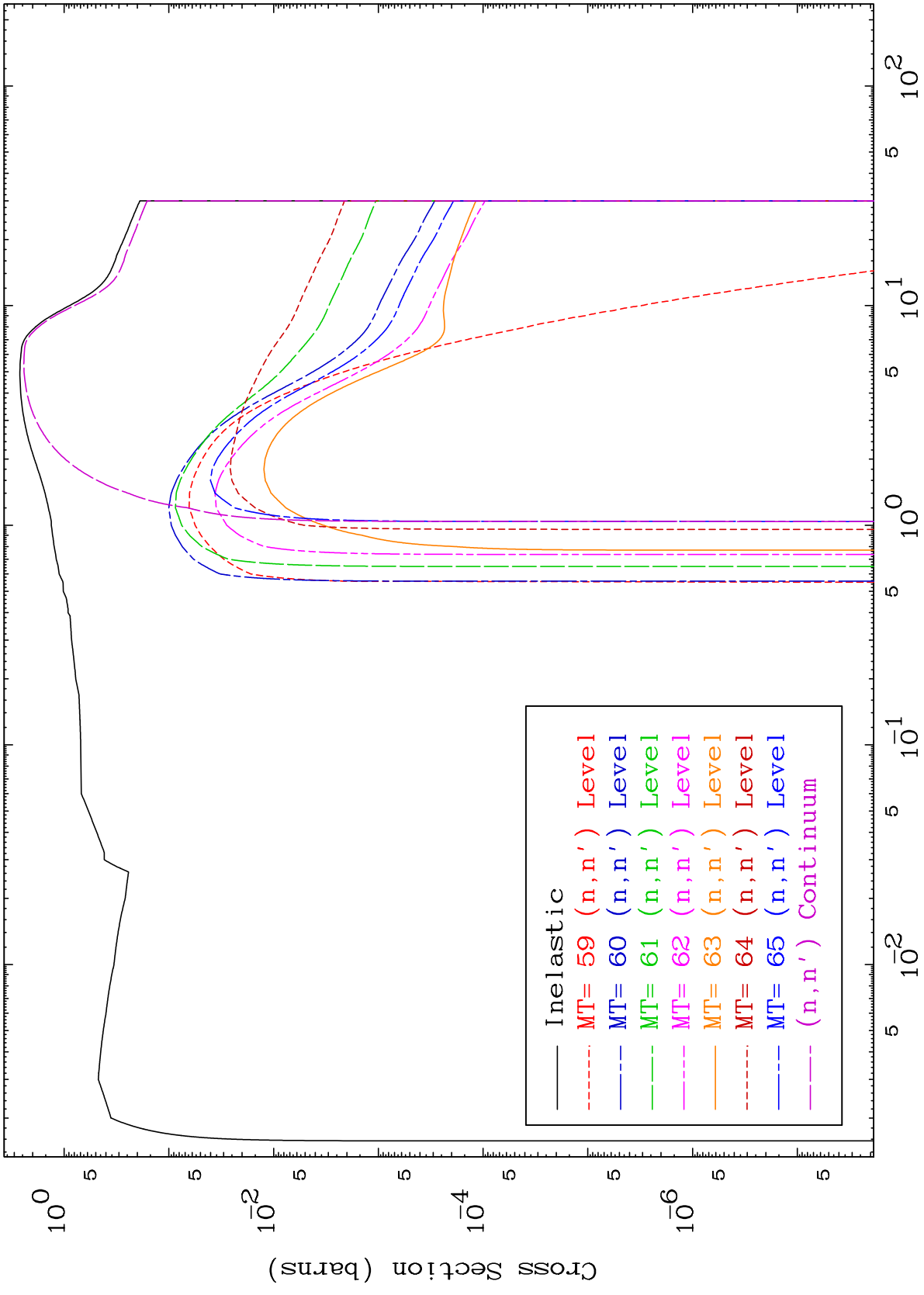
80-Hg-201



MAT 8040

(n,n') Levels  
293 Kelvin Cross Sections

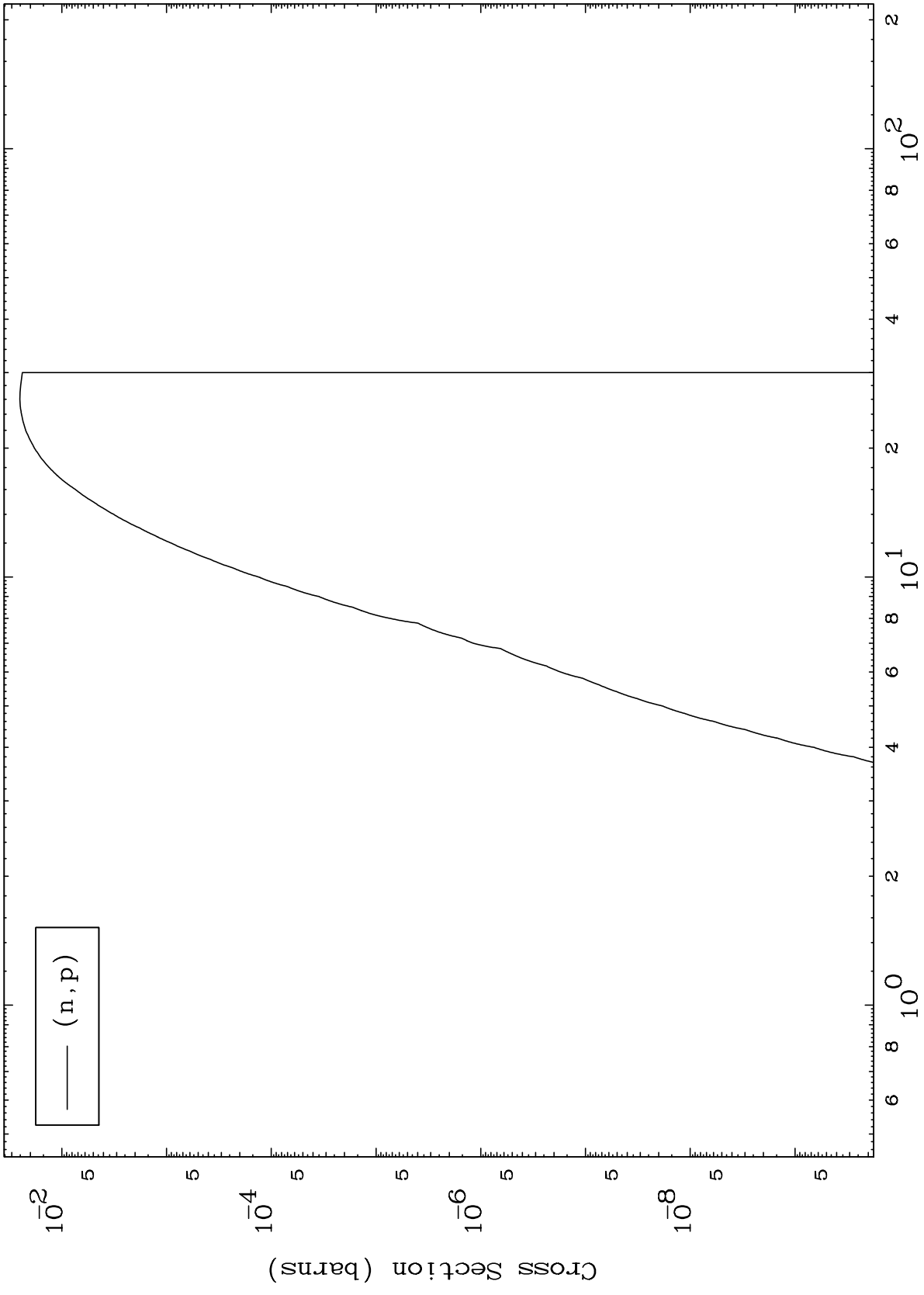
80-Hg-201



MAT 8040

(n,p) Levels  
293 Kelvin Cross Sections

80-Hg-201



10

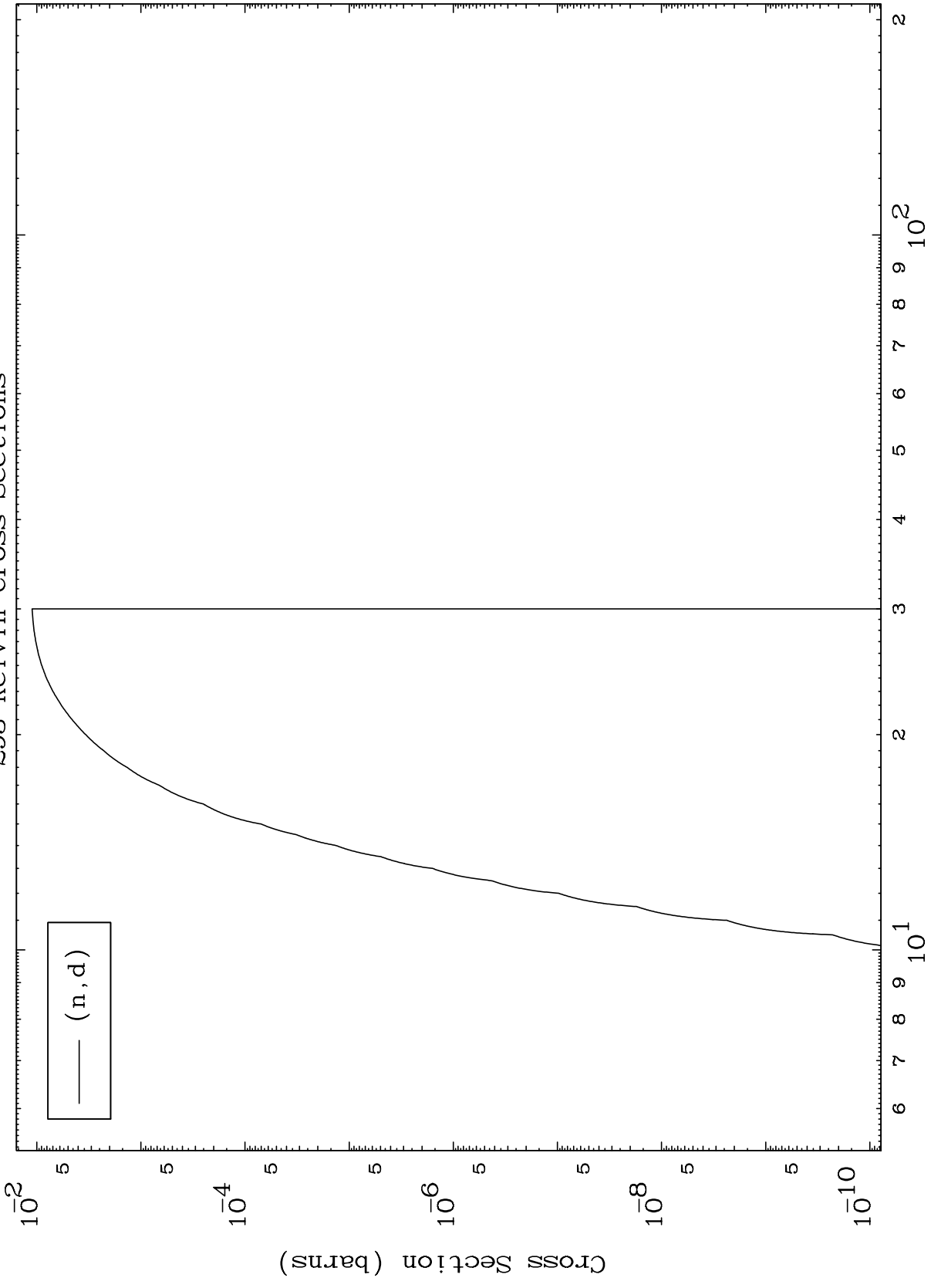
Incident Energy (MeV)

80-Hg-201

MAT 8040

(n,d) Levels  
293 Kelvin Cross Sections

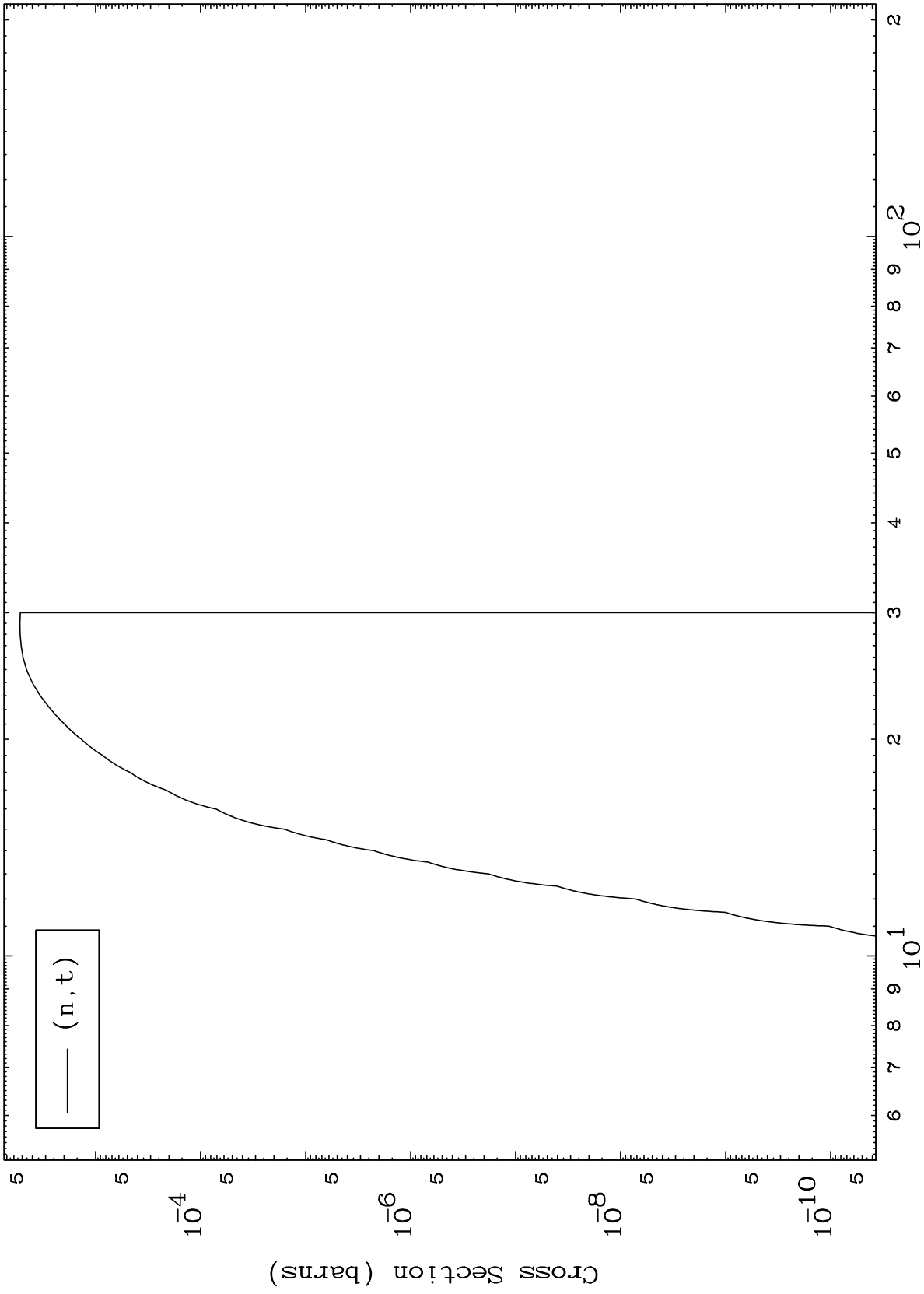
80-Hg-201



MAT 8040

(n,t) Levels  
293 Kelvin Cross Sections

80-Hg-201



12

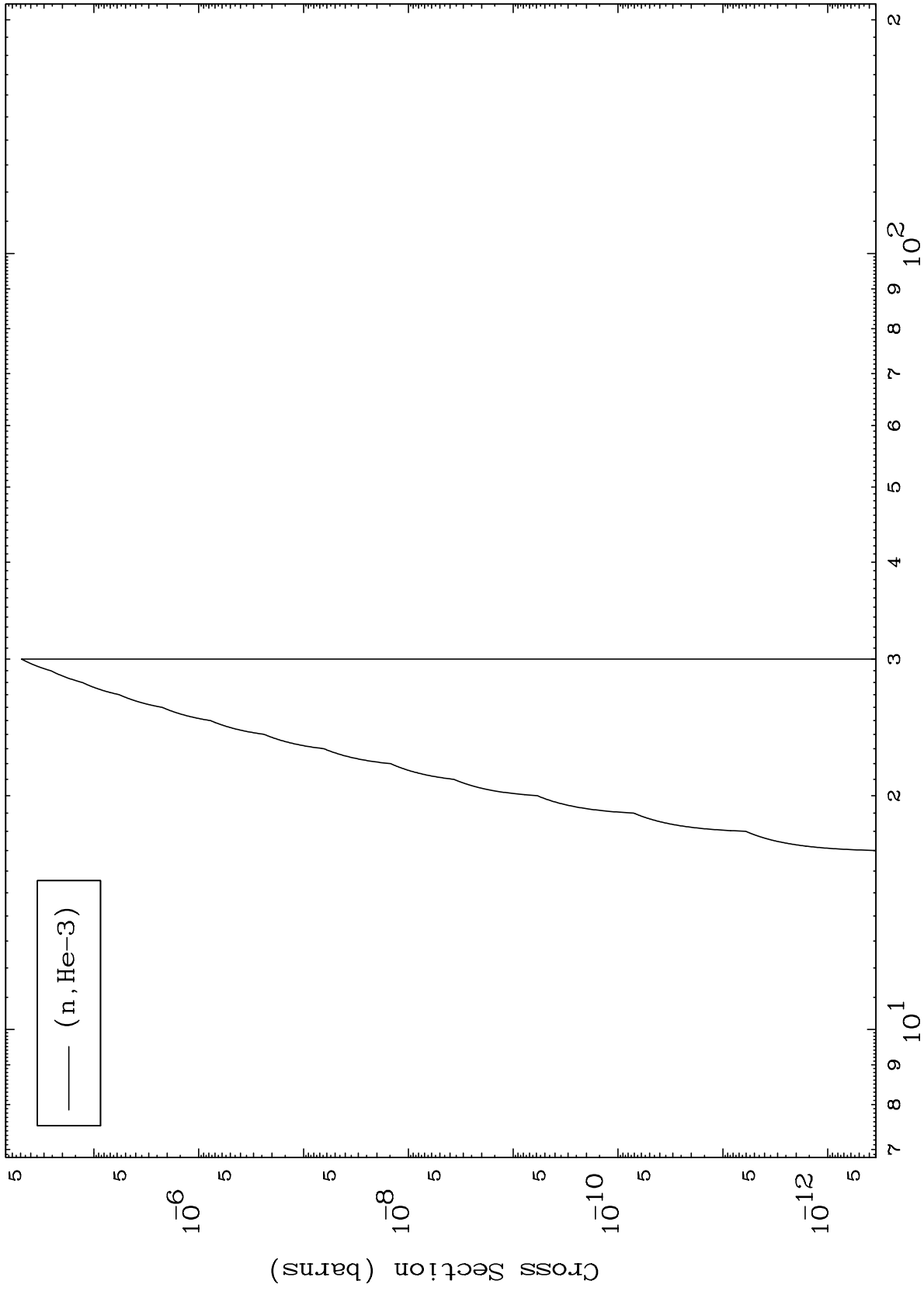
Incident Energy (MeV)

80-Hg-201

MAT 8040

(n,He3) Levels  
293 Kelvin Cross Sections

80-Hg-201



13

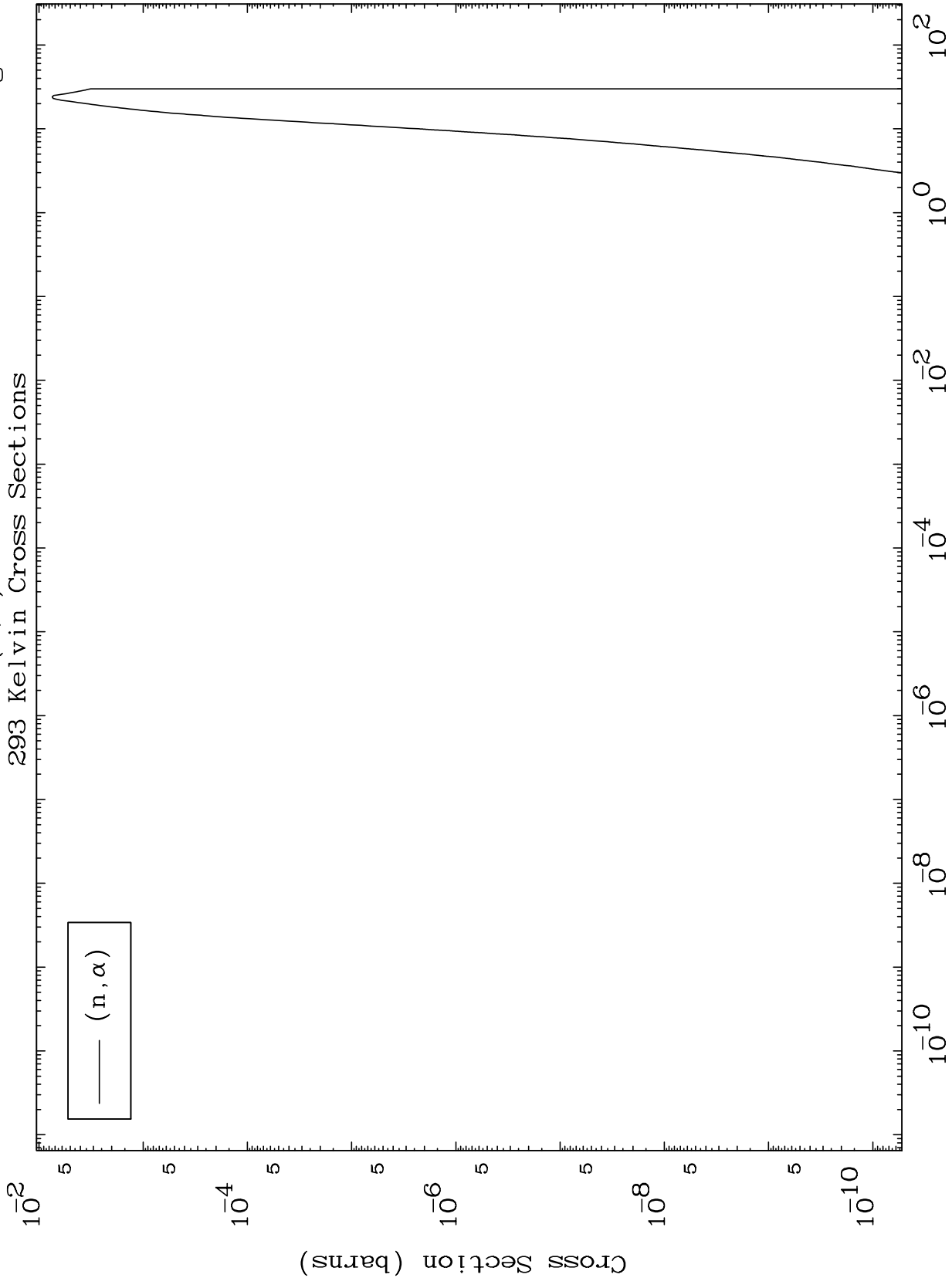
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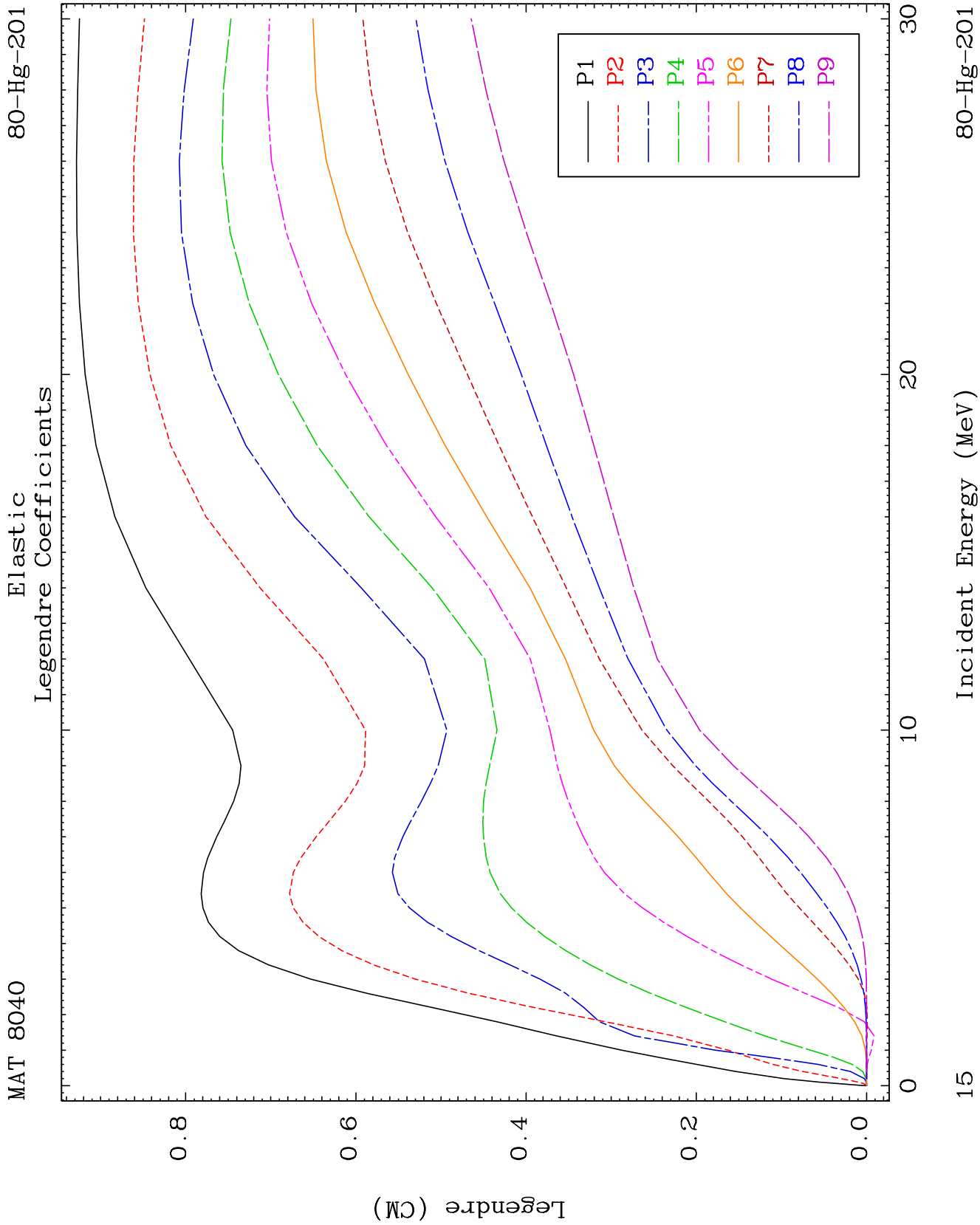
80-Hg-201

MAT 8040

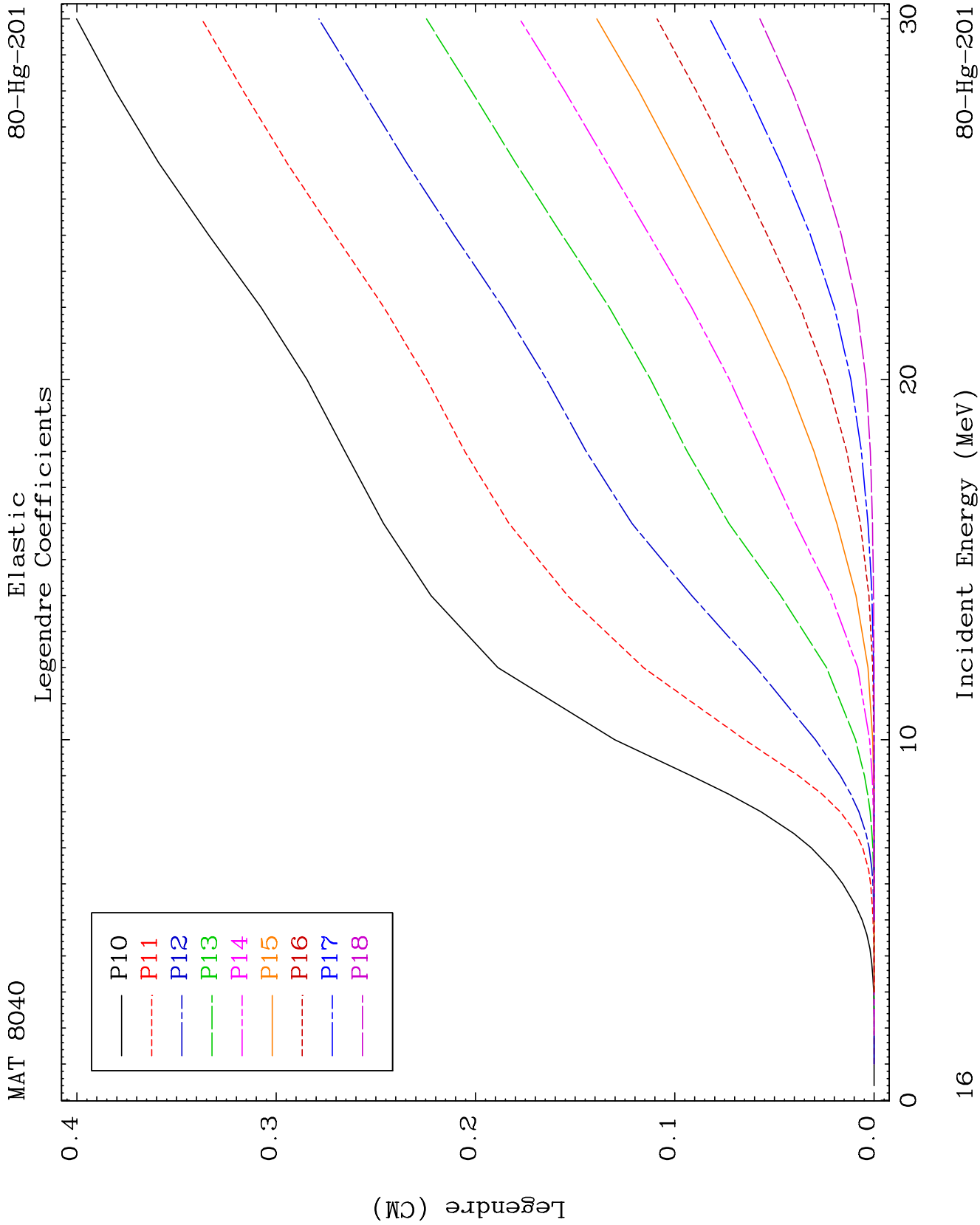
(n,α) Levels  
293 Kelvin Cross Sections

80-Hg-201





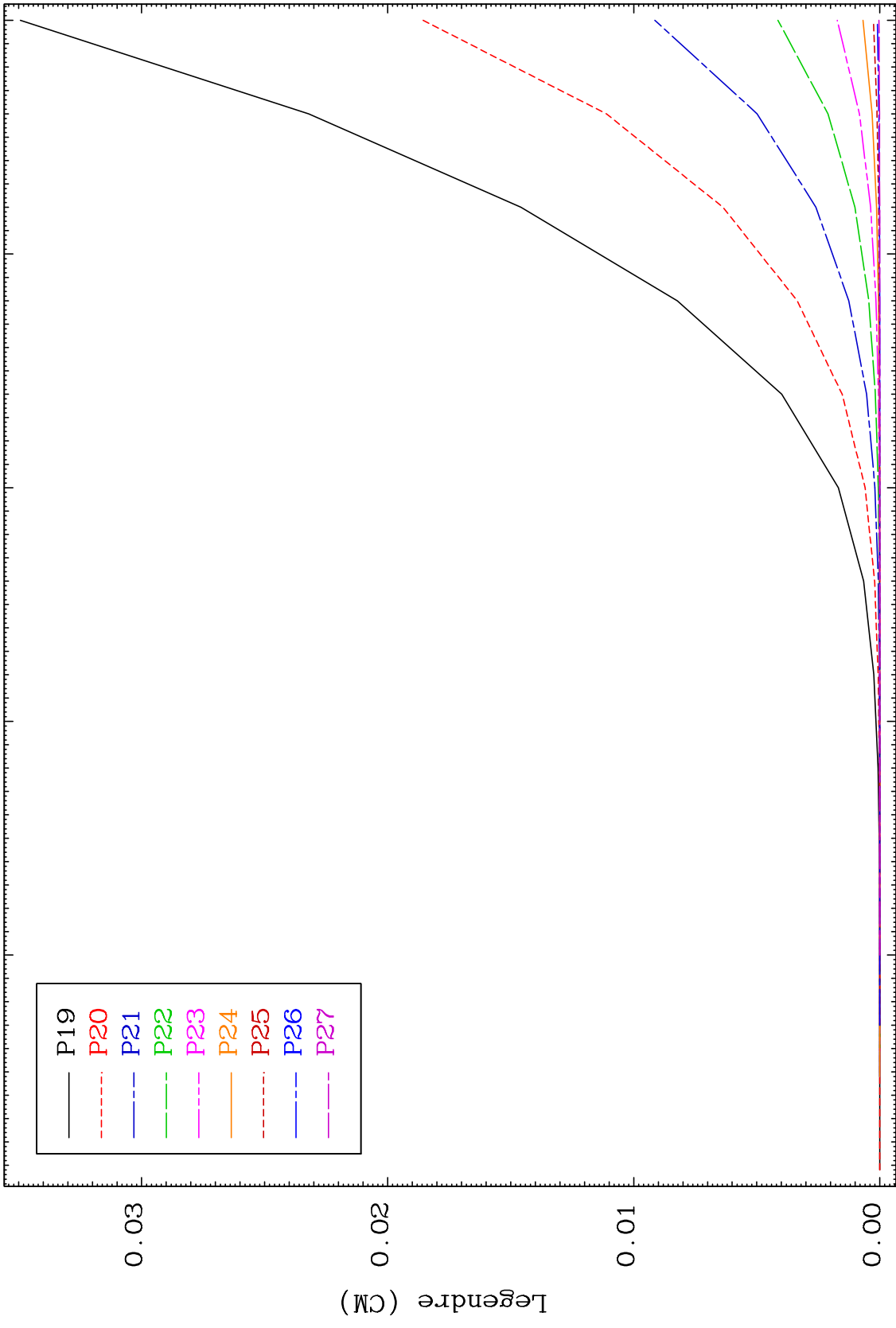




MAT 8040

Elastic Legendre Coefficients

80-Hg-201



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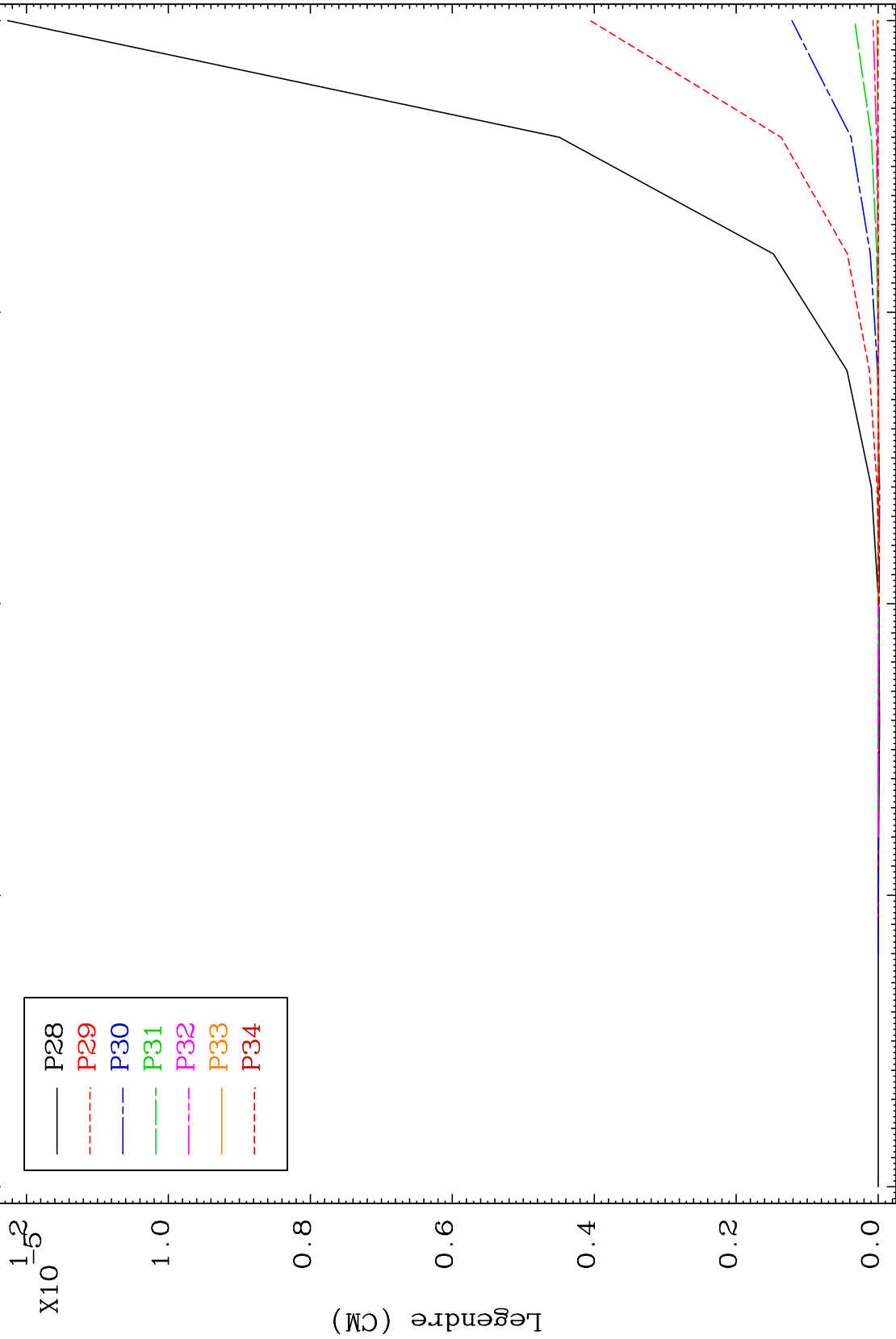
Incident Energy (MeV)

80-Hg-201

MAT 8040

Elastic Legendre Coefficients

80-Hg-201



18

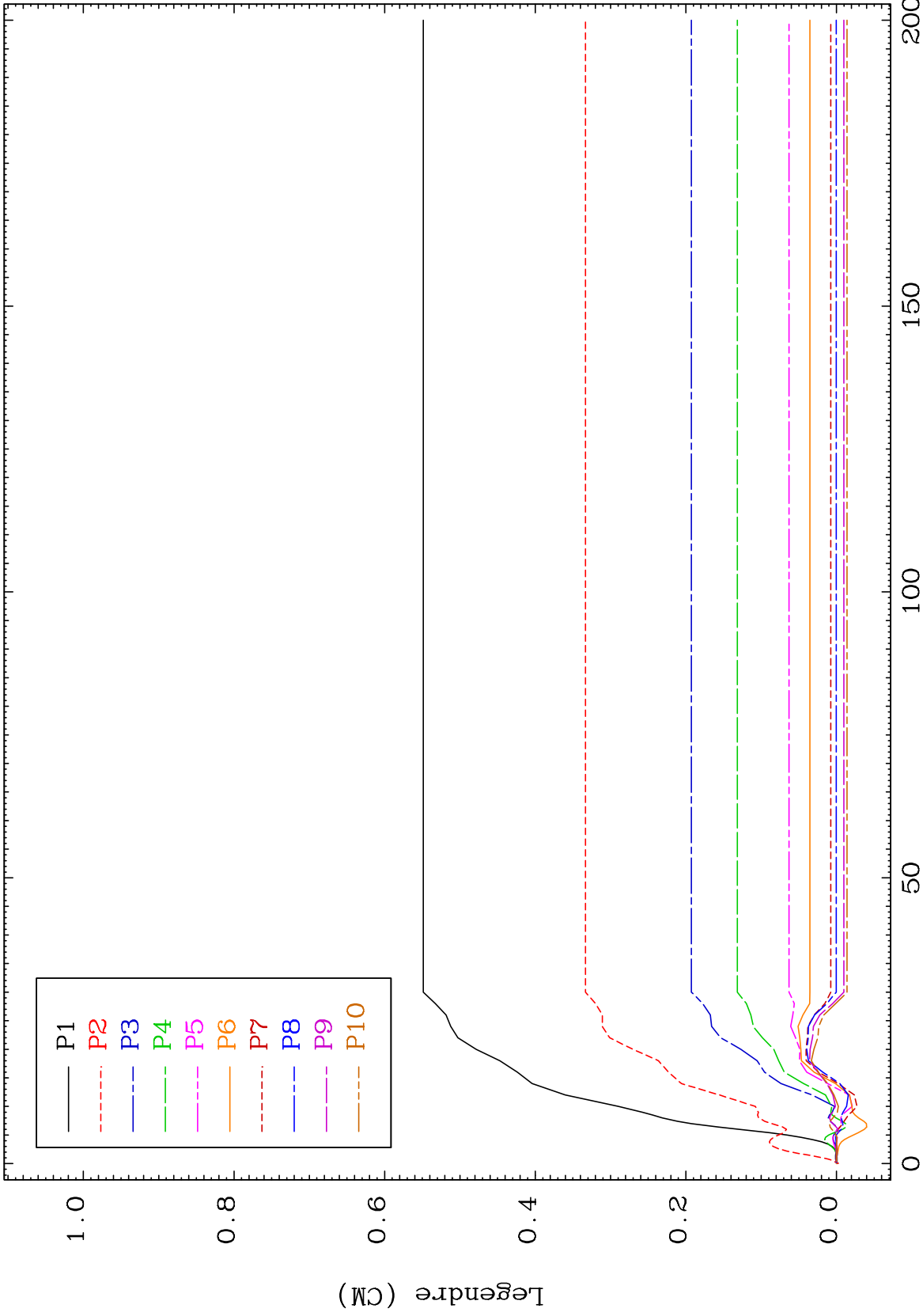
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

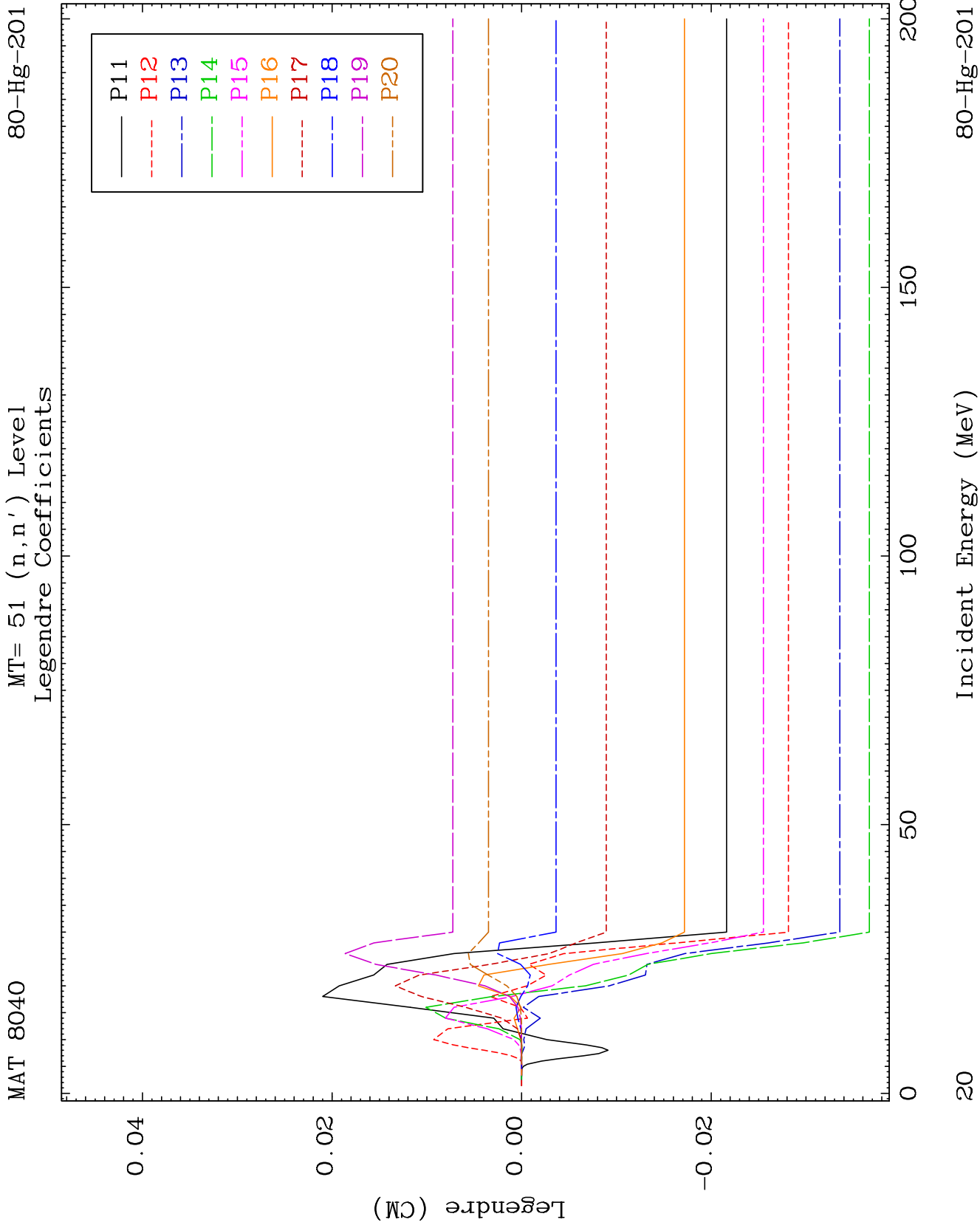
80-Hg-201



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Incident Energy (MeV)

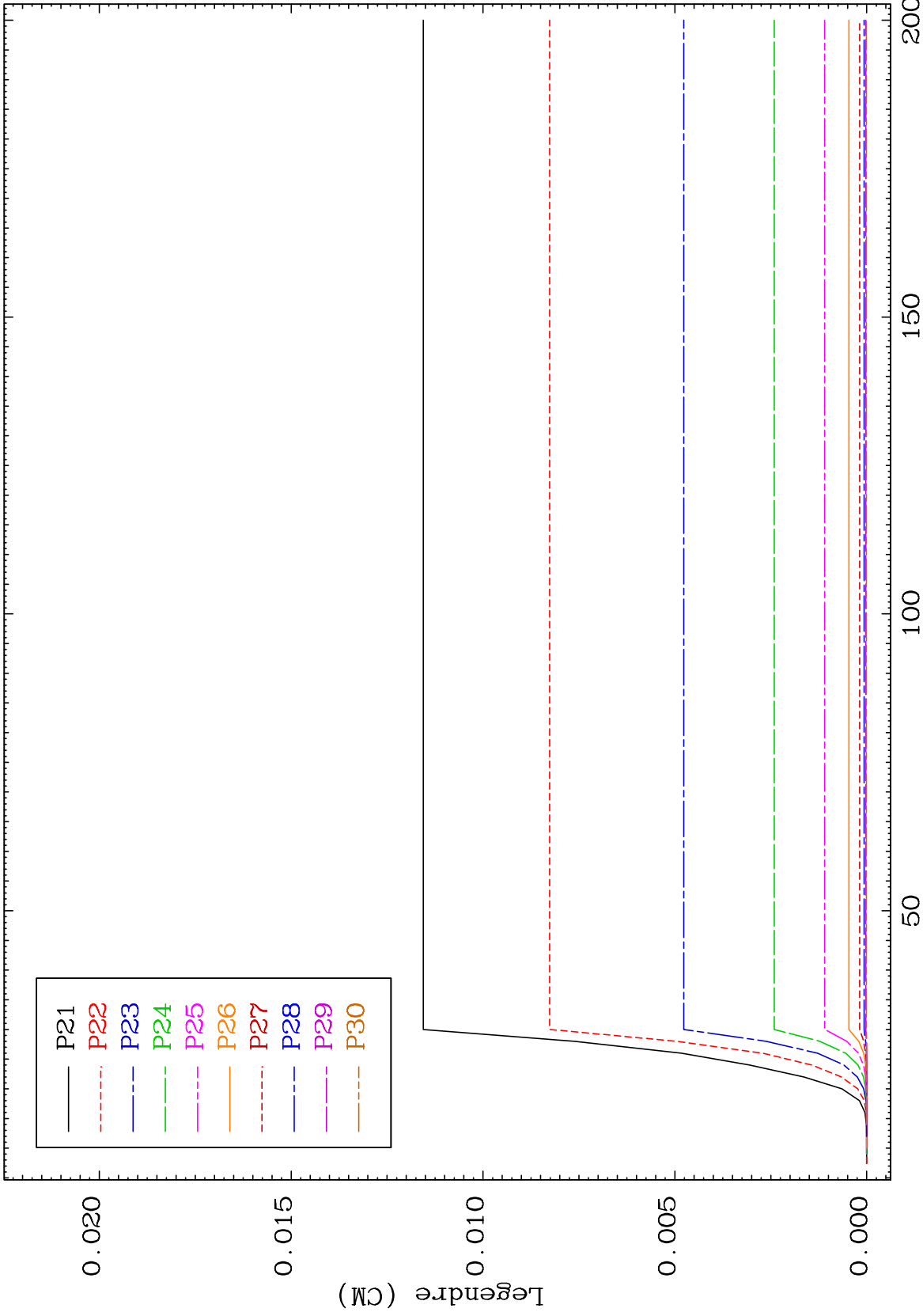
80-Hg-201



MAT 8040

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

80-Hg-201



21

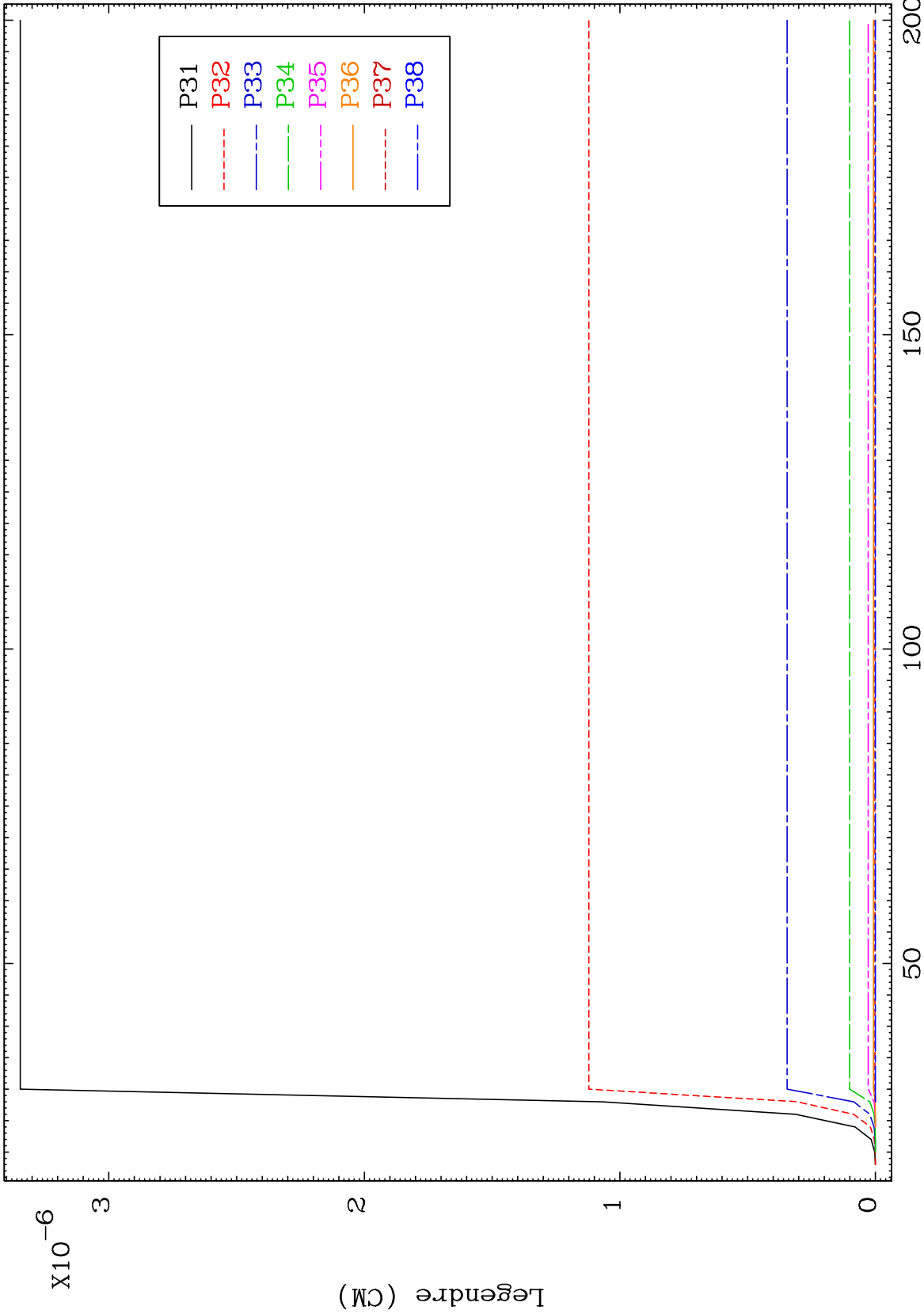
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

80-Hg-201



22

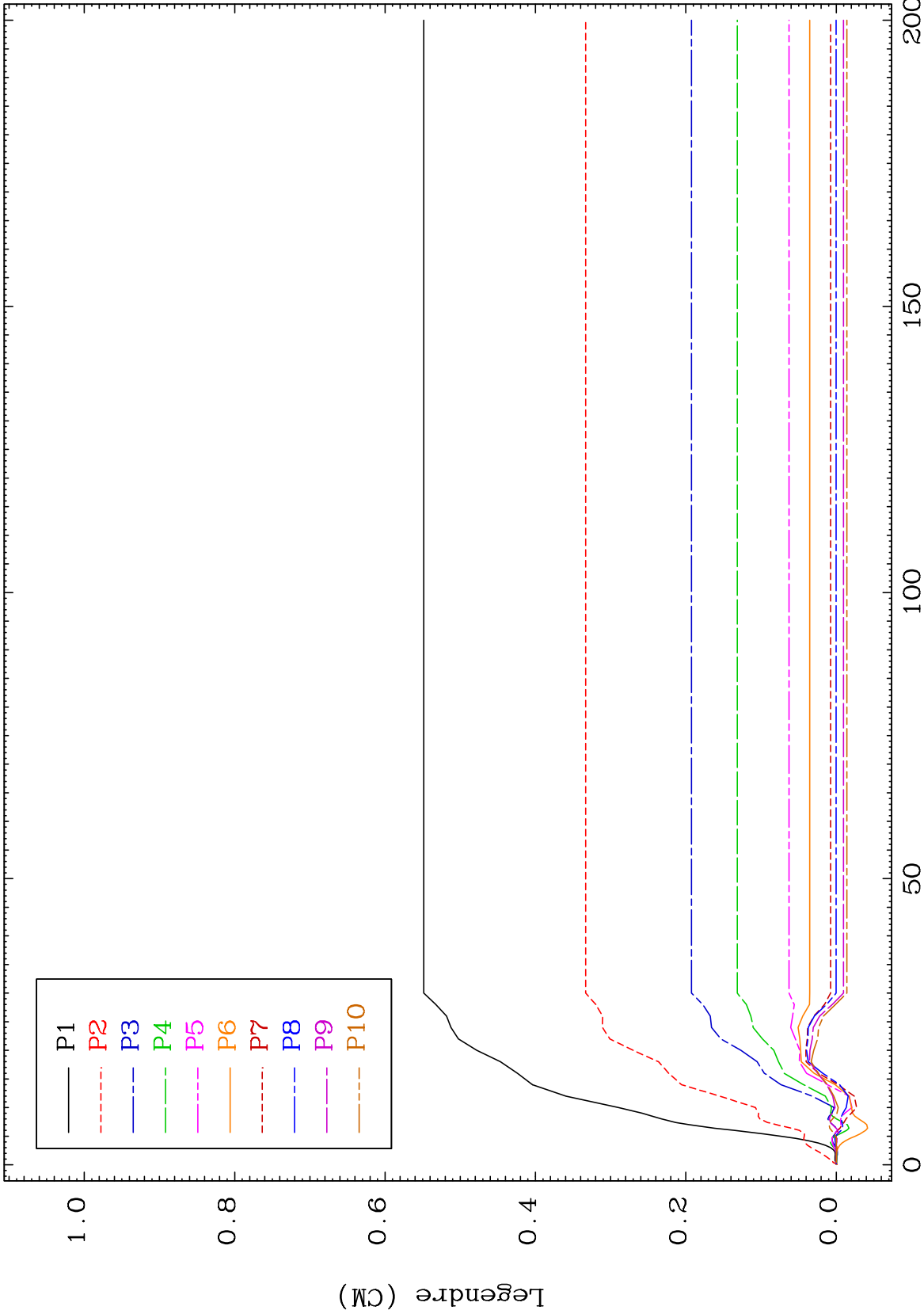
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

80-Hg-201



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80-Hg-201

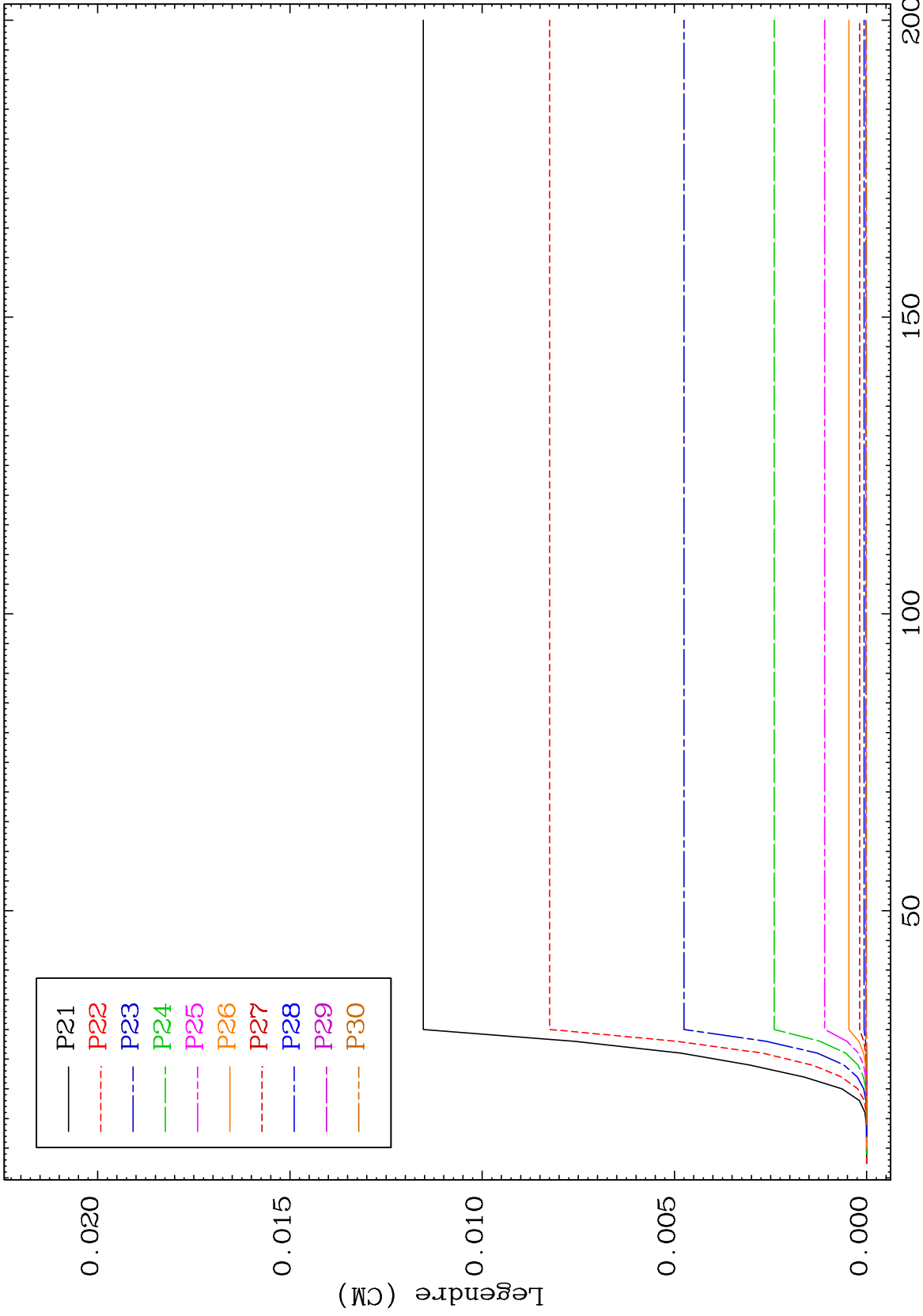




MAT 8040

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

80-Hg-201



25

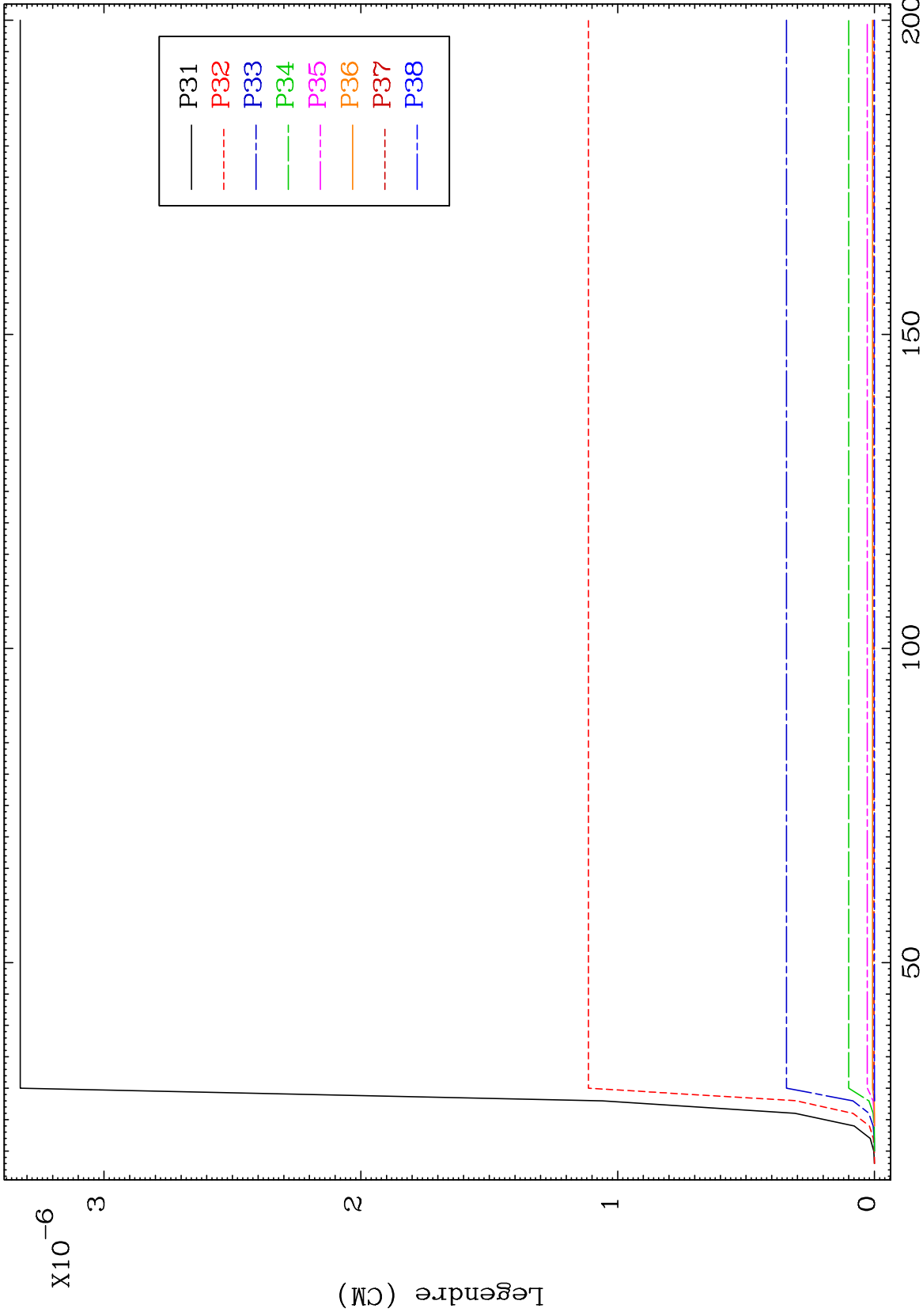
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

80-Hg-201



26

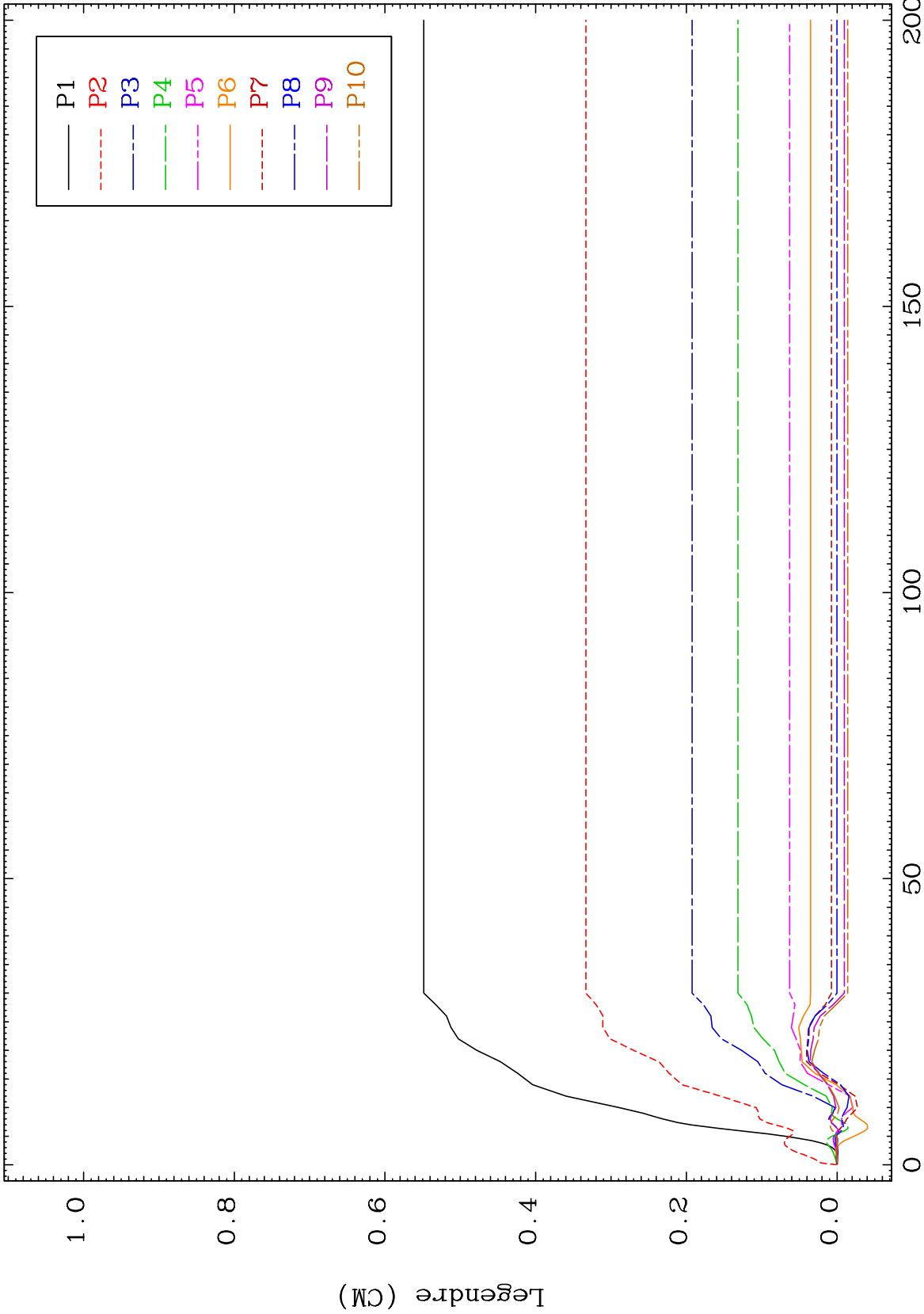
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

80-Hg-201



27

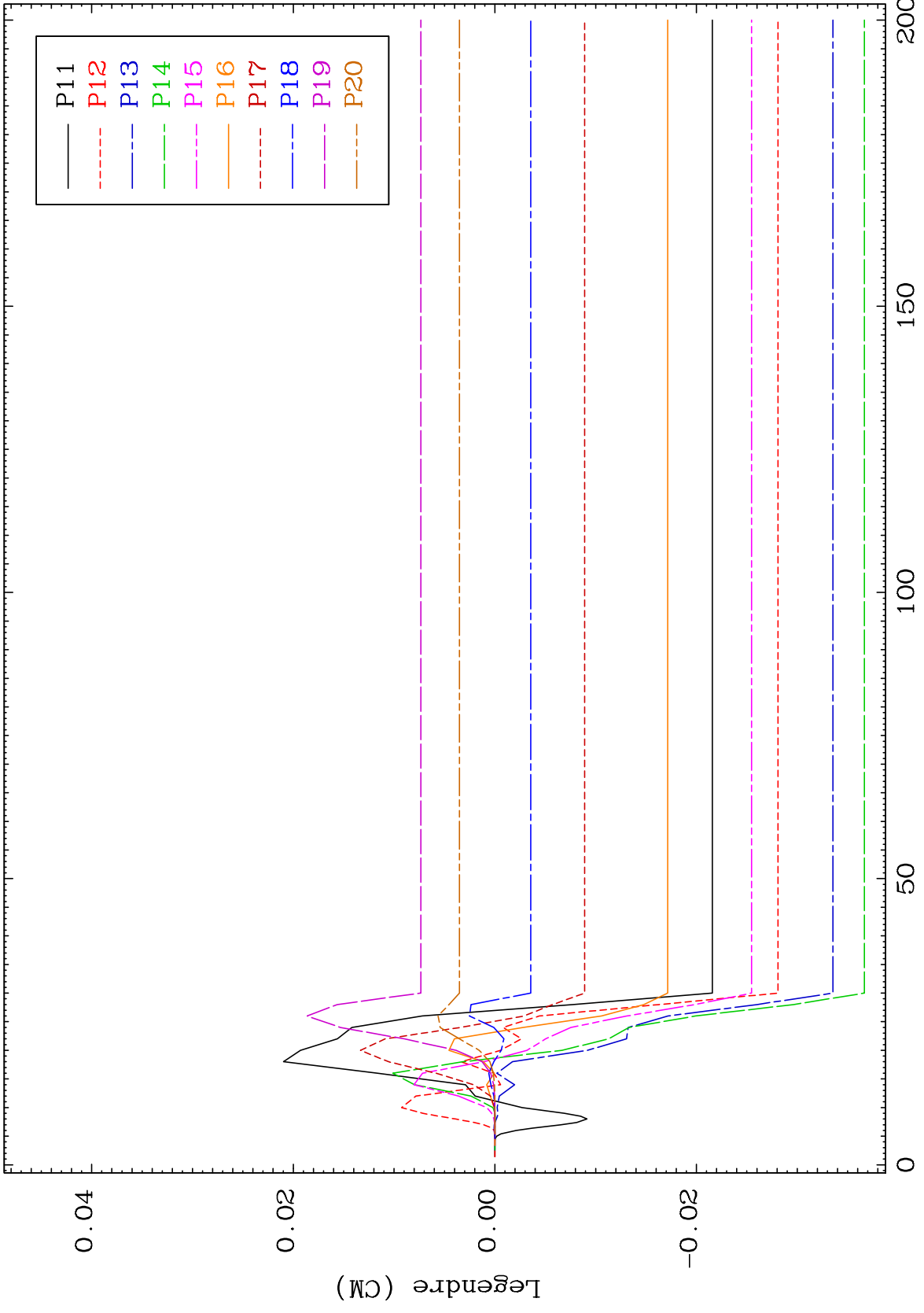
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

80-Hg-201



28

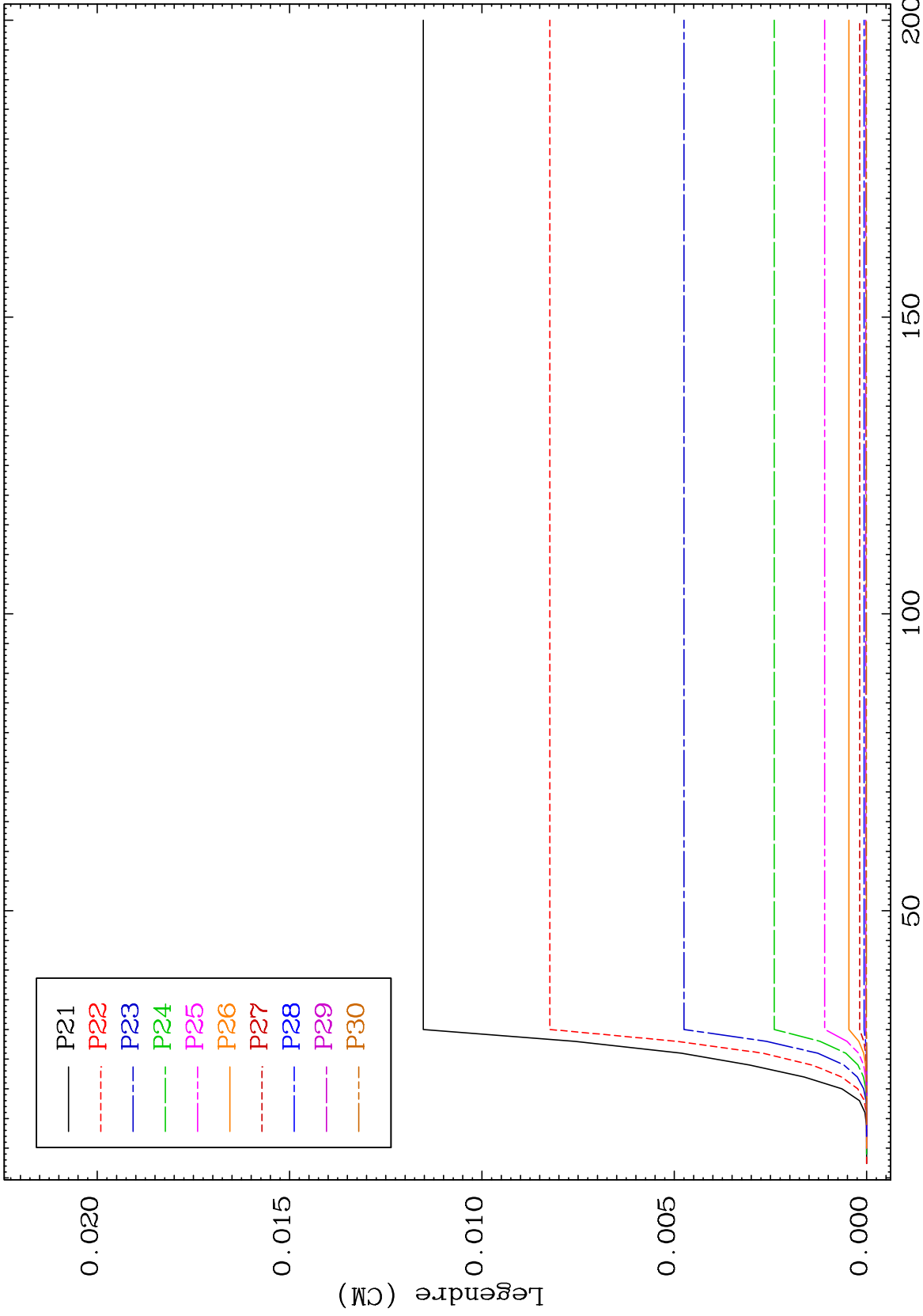
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

80-Hg-201



29

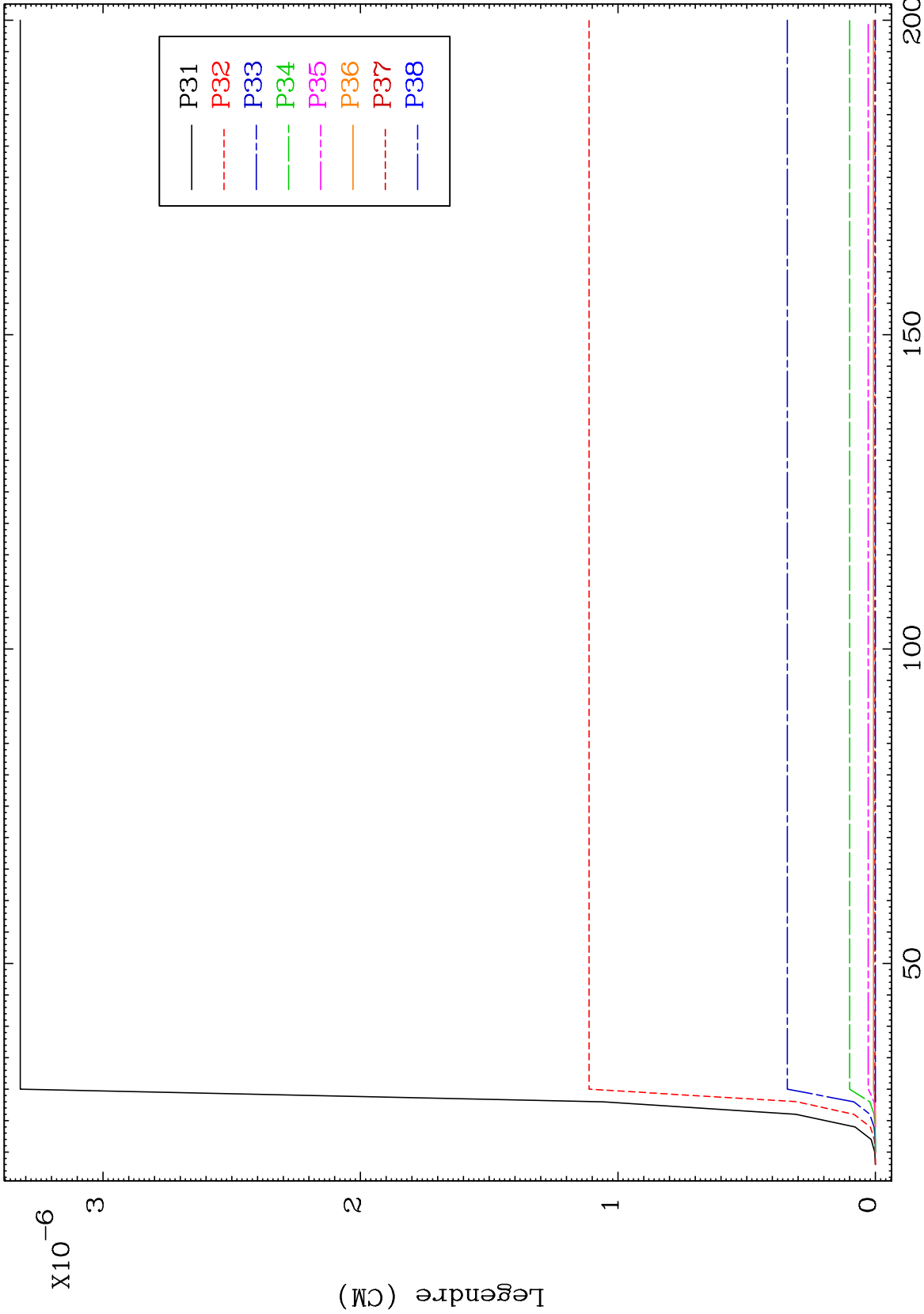
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

80-Hg-201



30

50

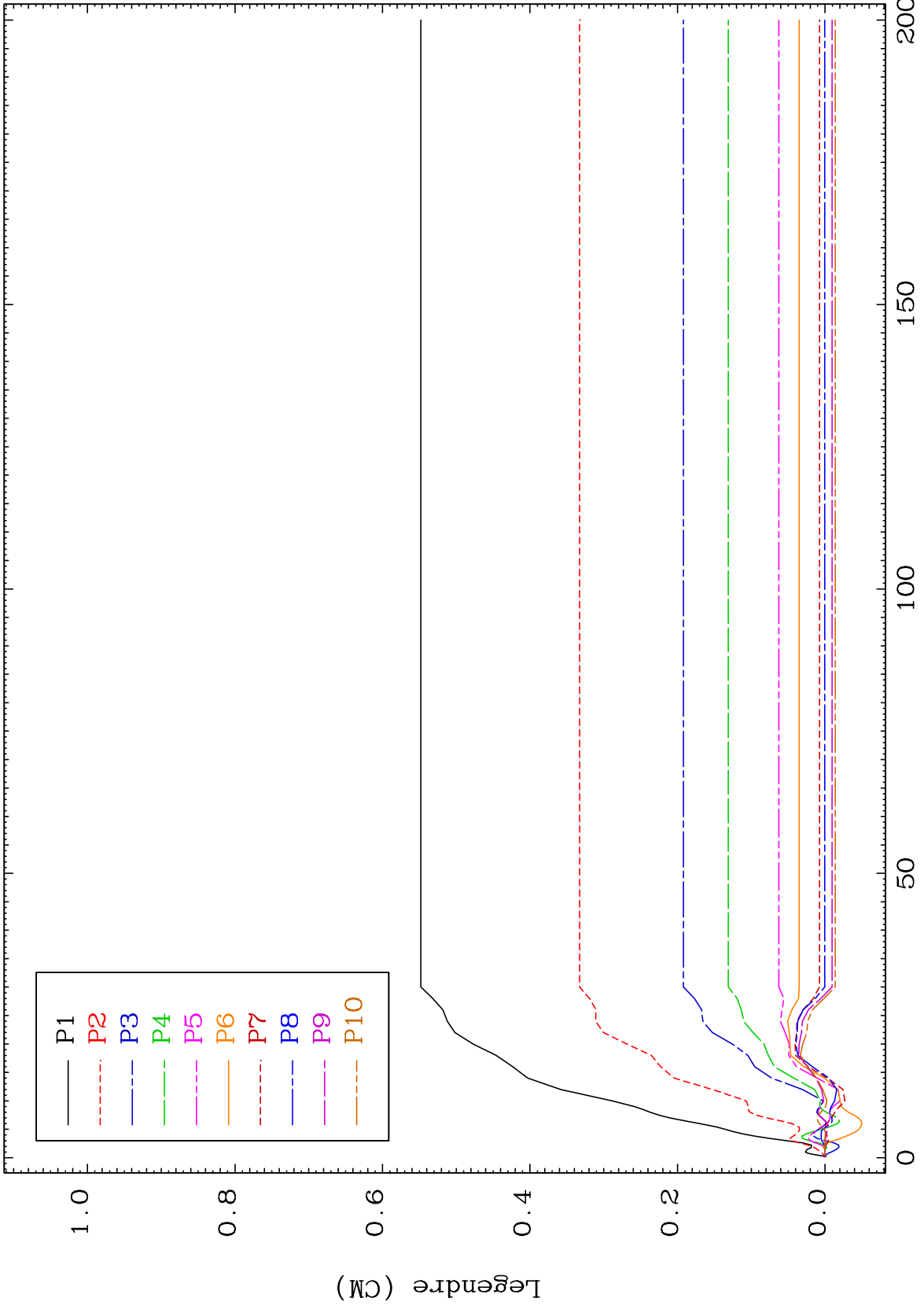
100

150

200

80-Hg-201

MAT 8040 MT= 54 (n,n') Level Legendre Coefficients 80-Hg-201



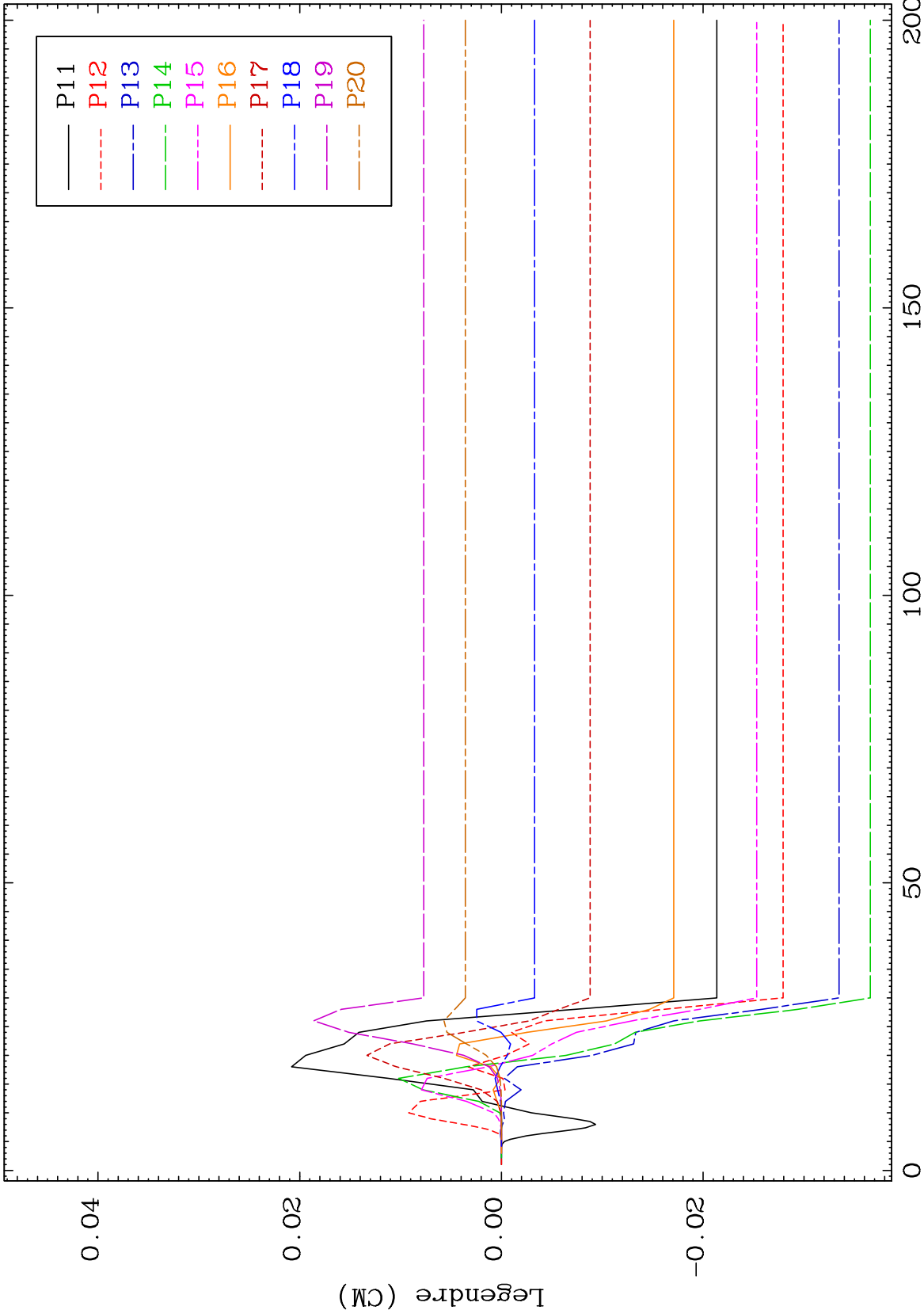
31 80-Hg-201



MAT 8040

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

80-Hg-201



32

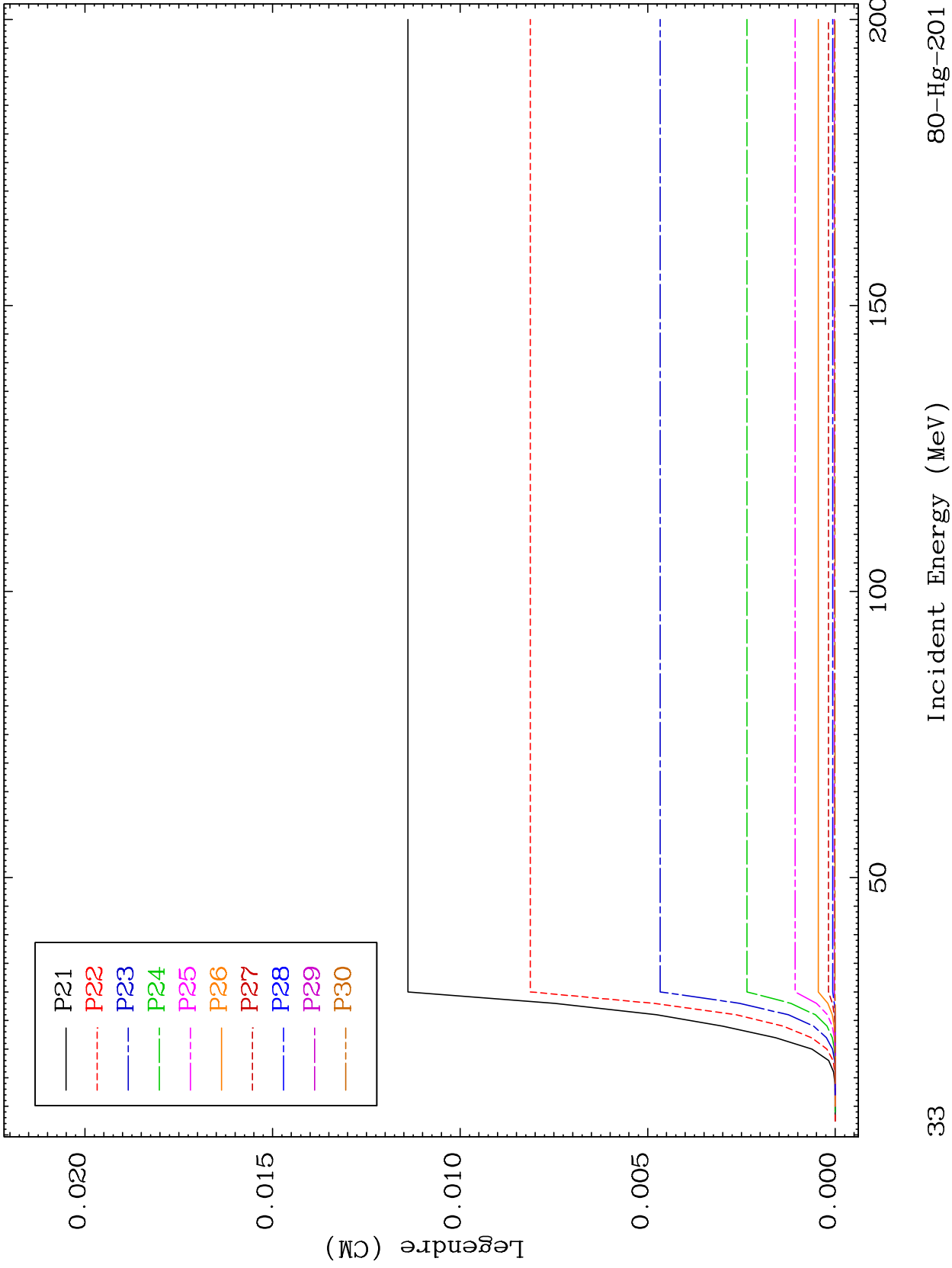
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

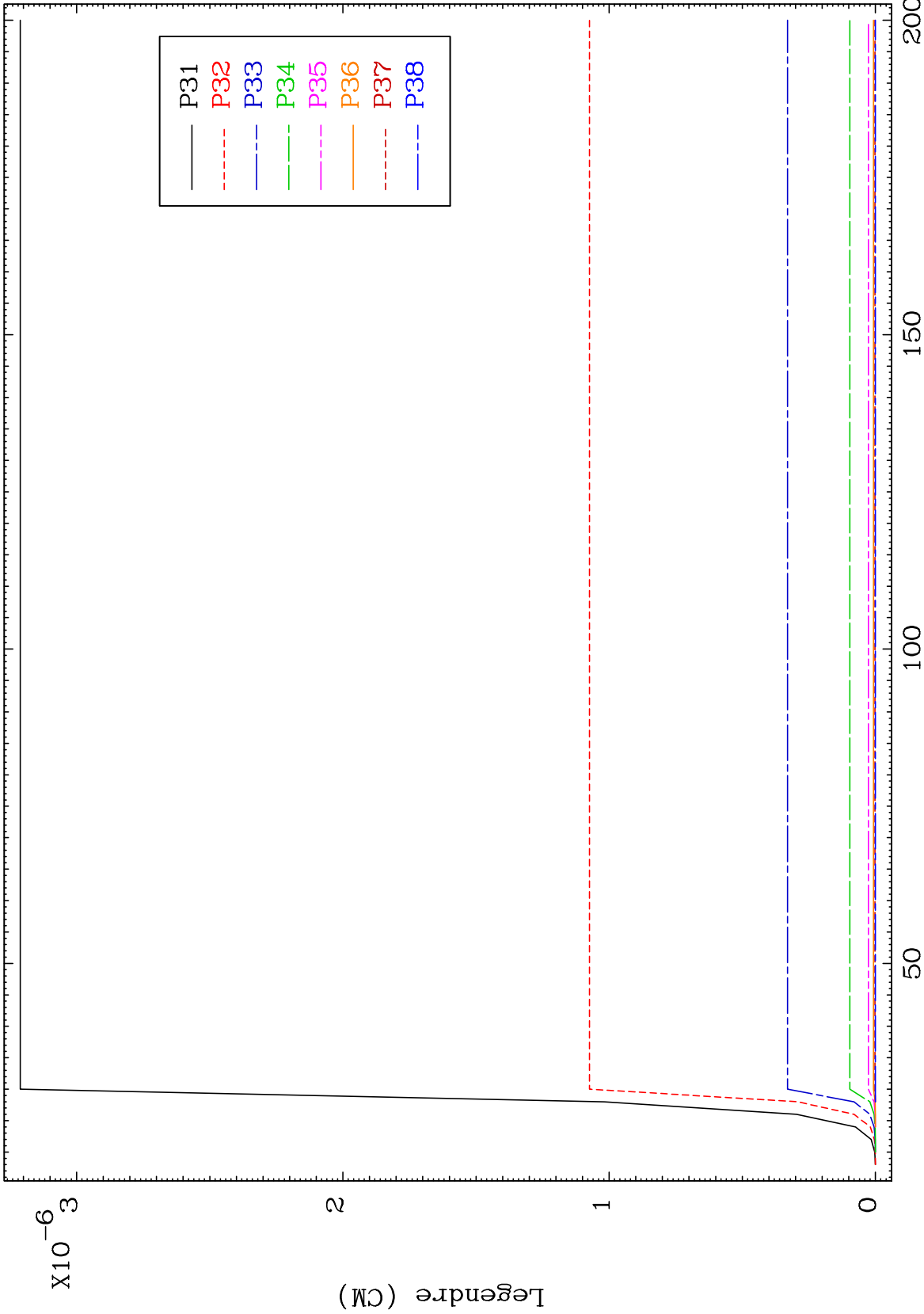
80-Hg-201



MAT 8040

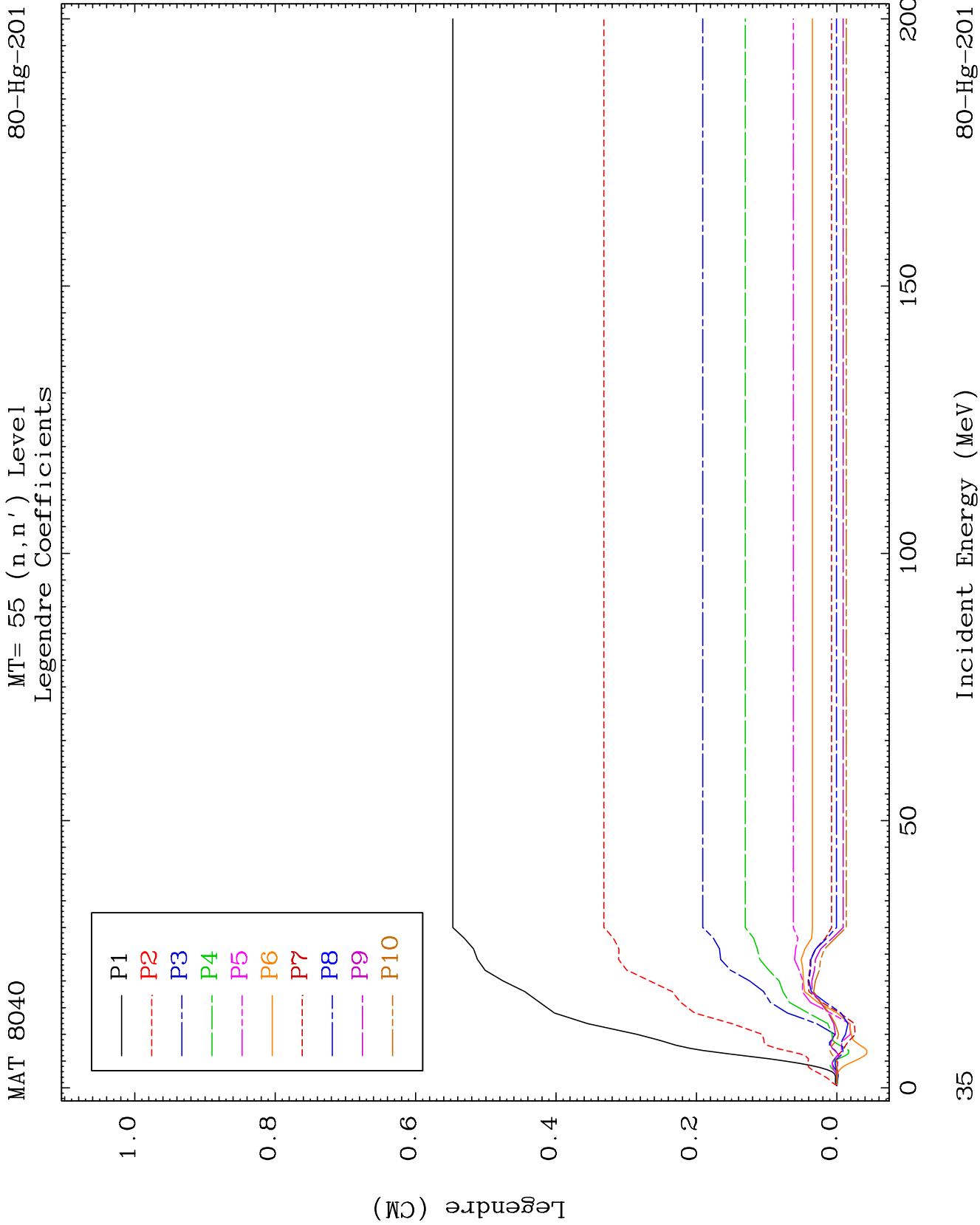
MT= 54 (n,n') Level  
Legendre Coefficients

80-Hg-201



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80-Hg-201



MAT 8040

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

80-Hg-201



36

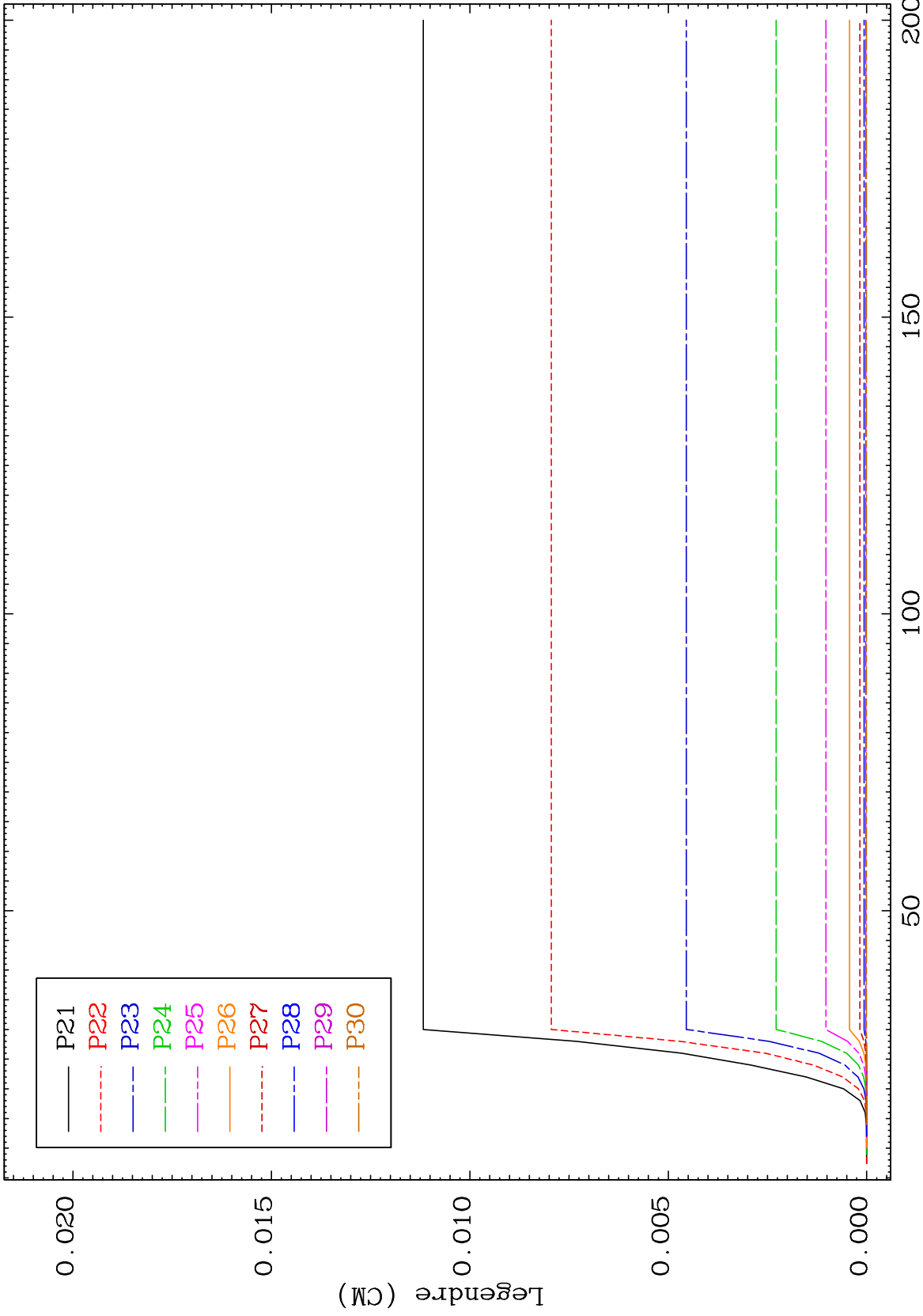
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

80-Hg-201



37

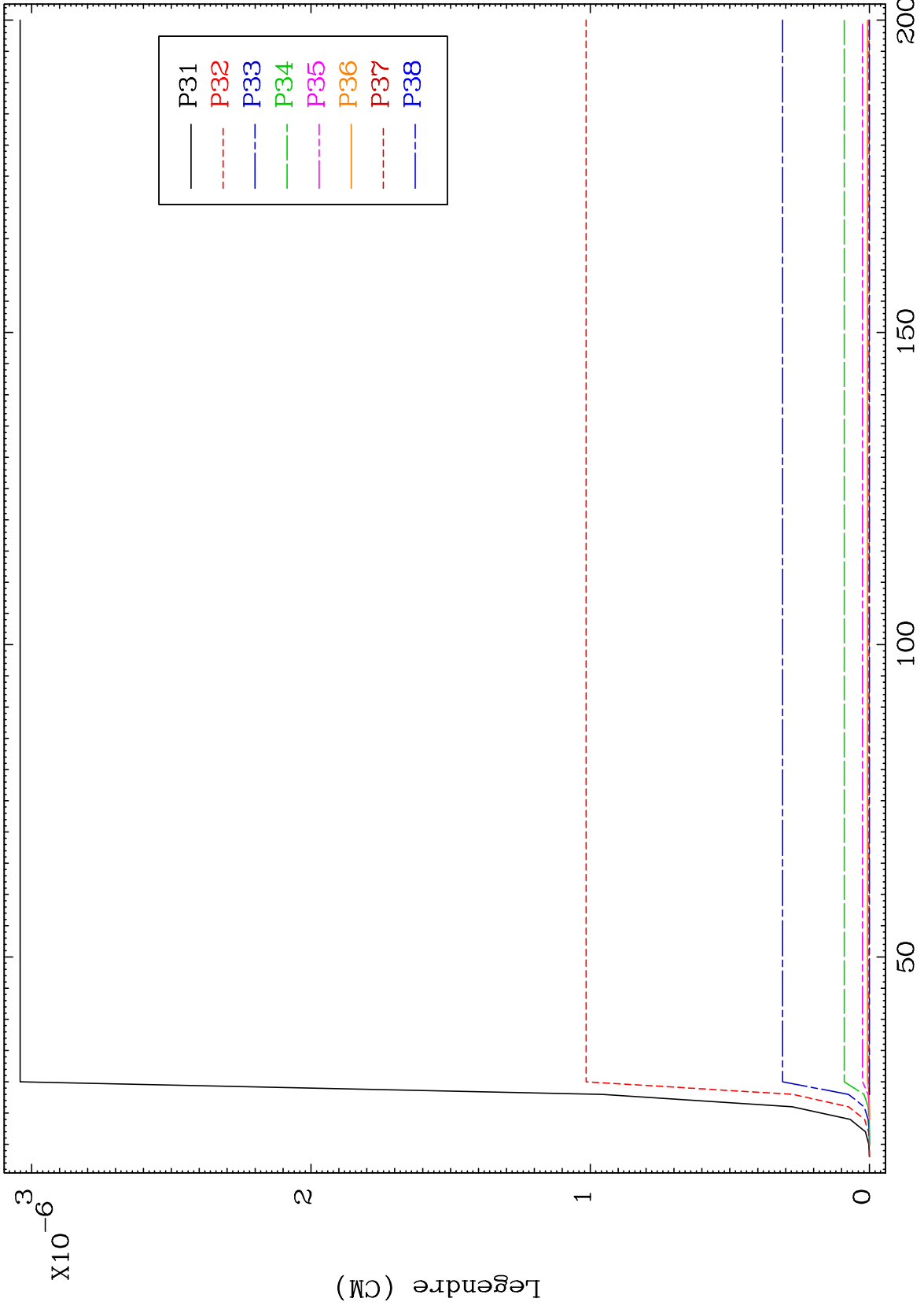
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

80-Hg-201



38

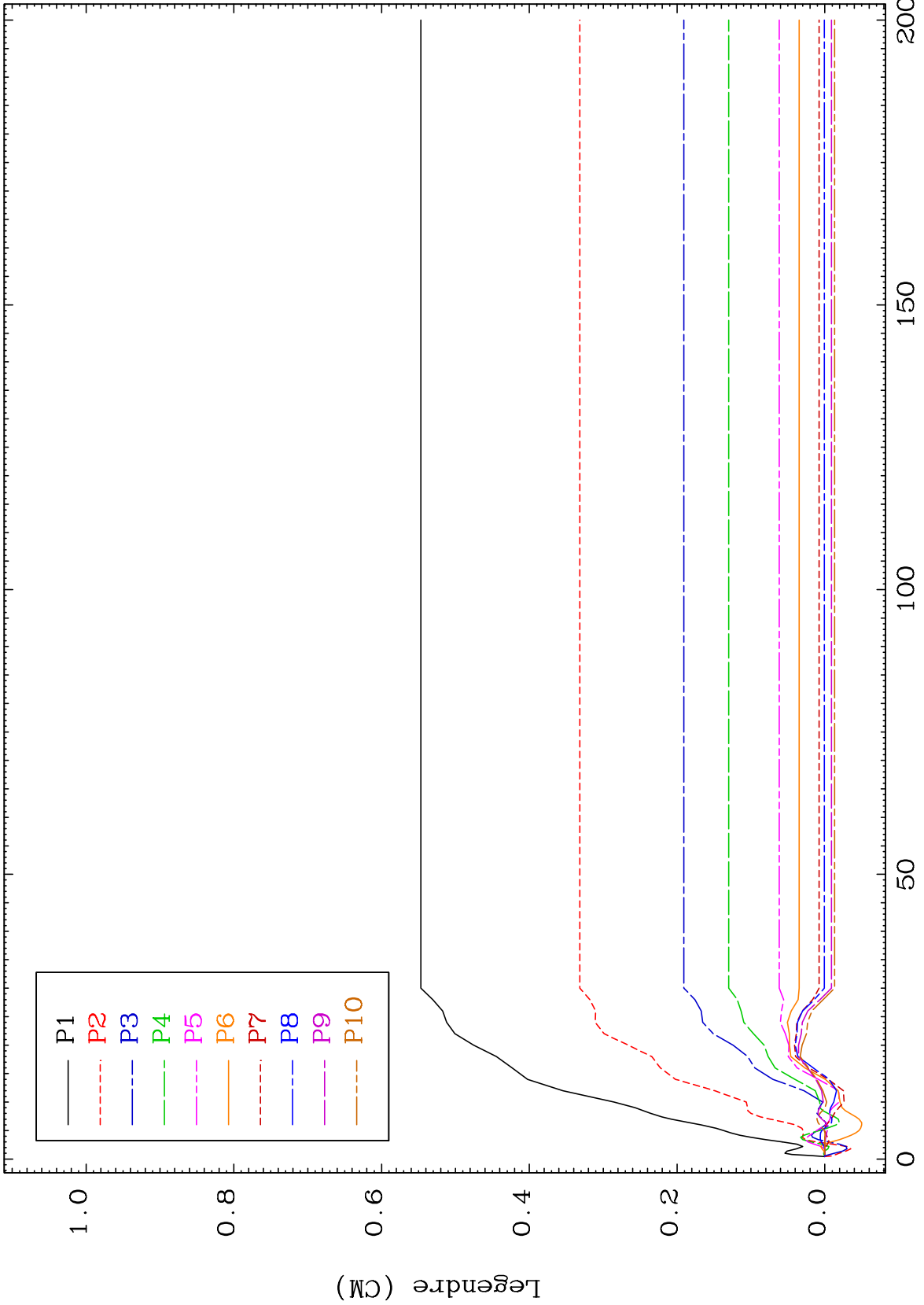
Incident Energy (MeV)

80-Hg-201

MAT 8040 MT= 56 (n,n') Level Legendre Coefficients

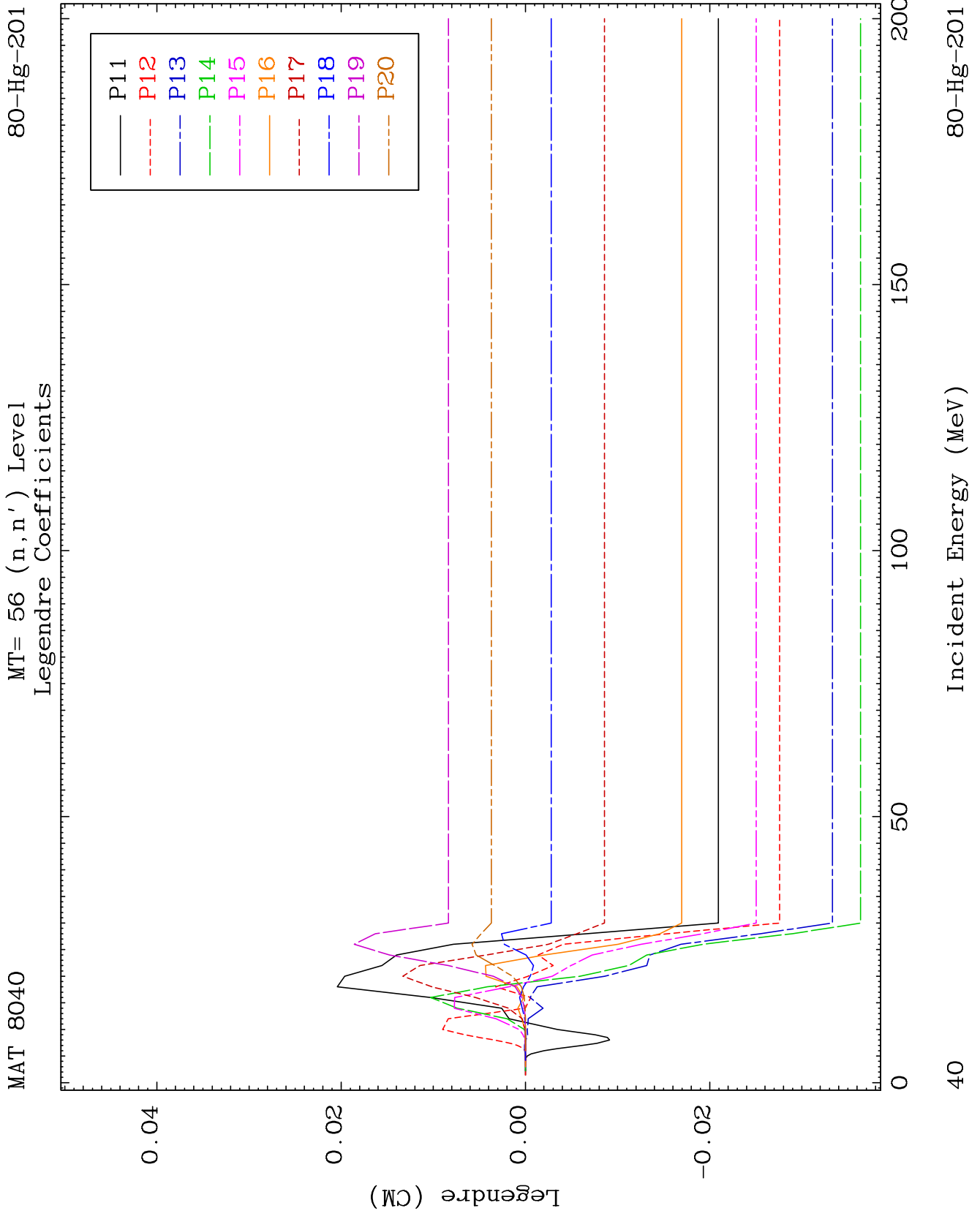
80-Hg-201

80-Hg-201



39

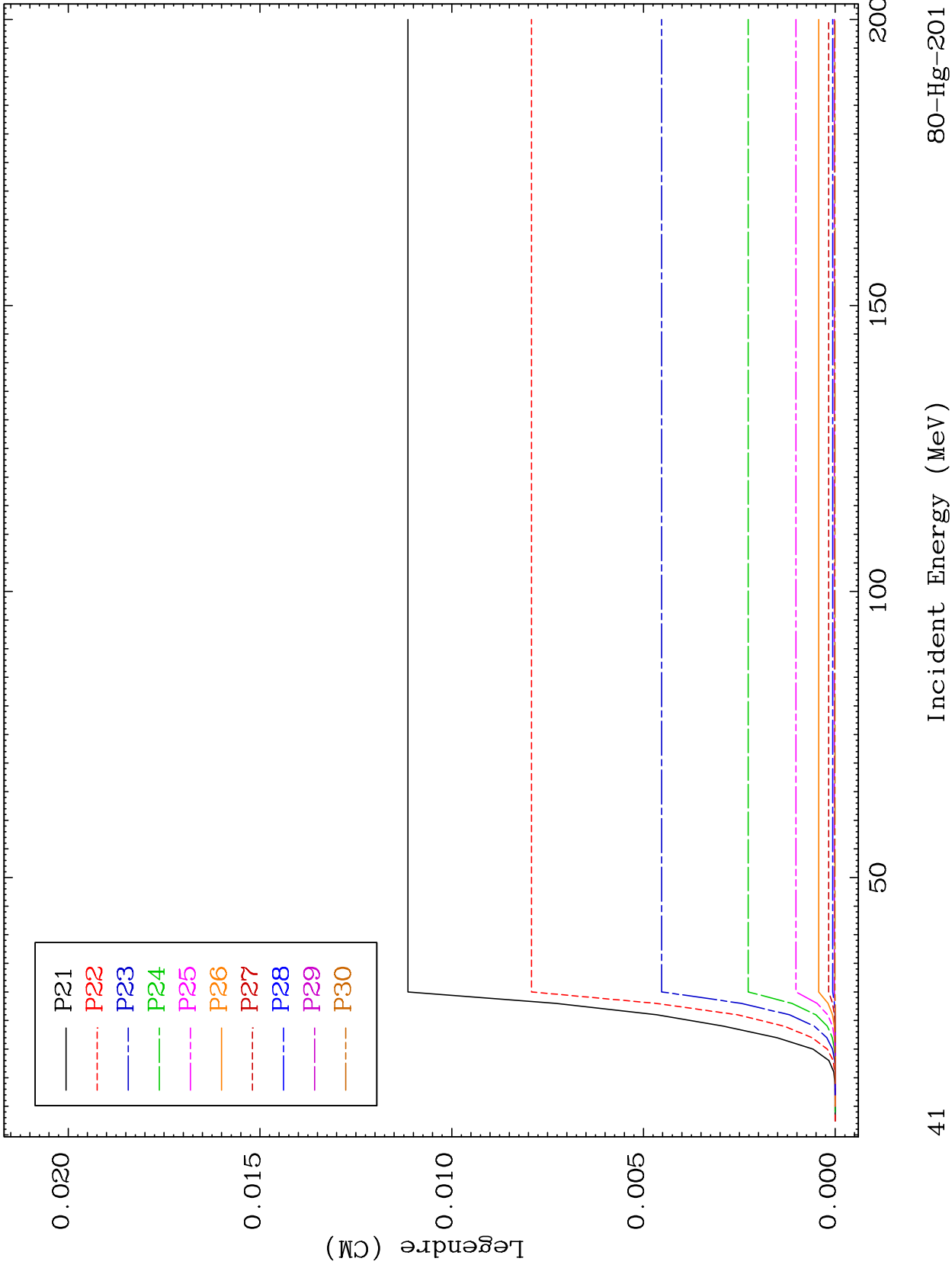




MAT 8040

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

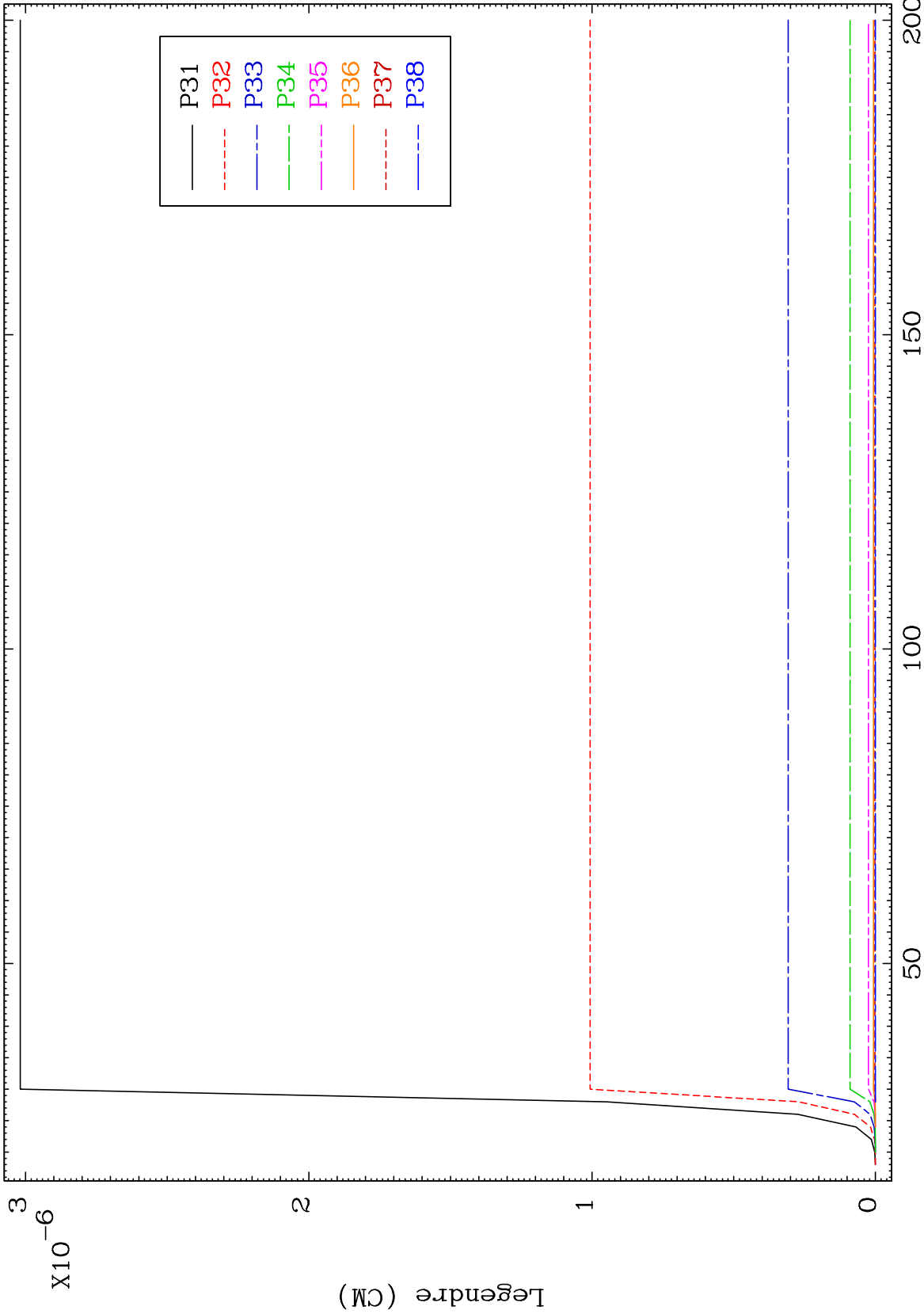
80-Hg-201



MAT 8040

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

80-Hg-201



42

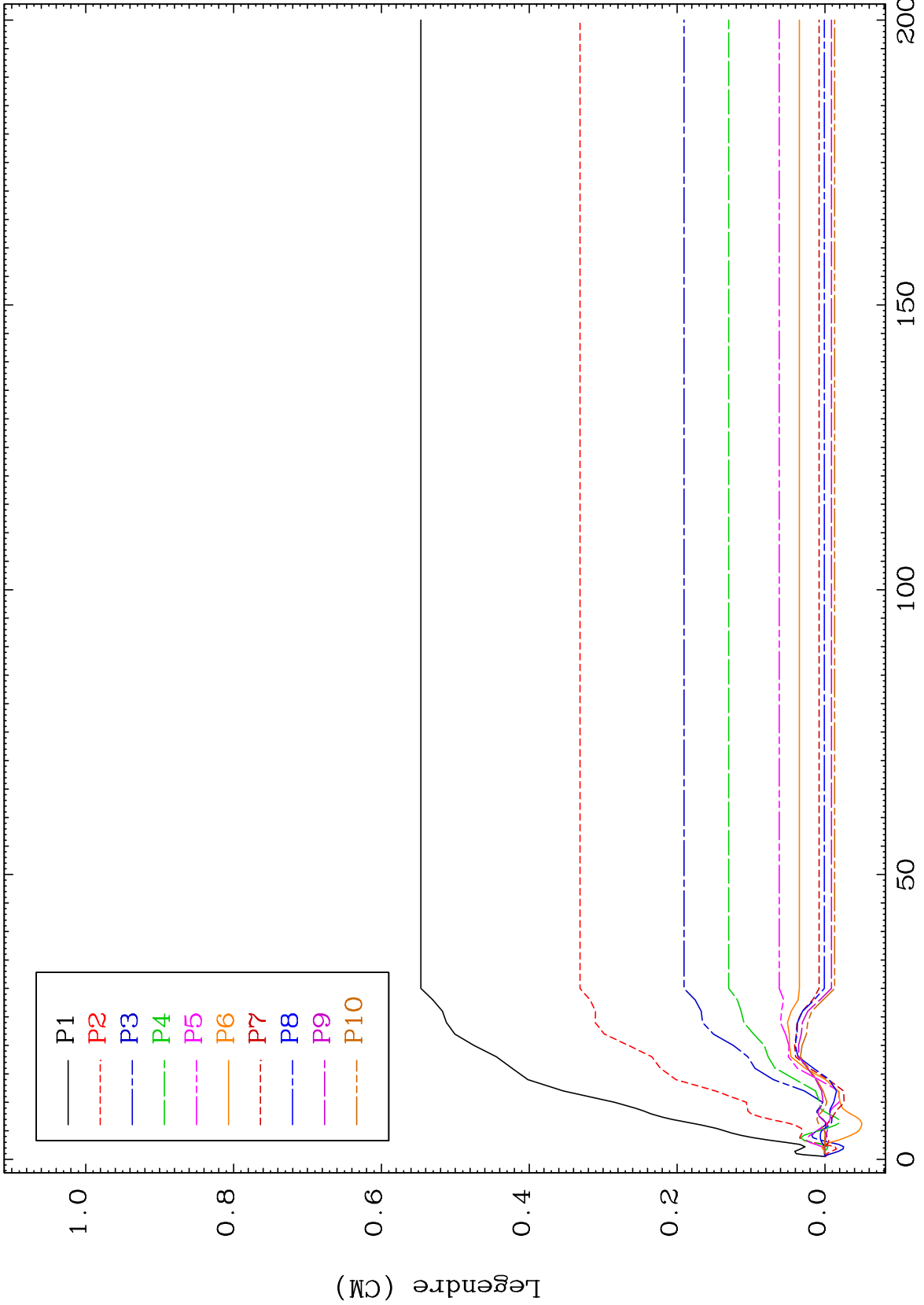
Incident Energy (MeV)

80-Hg-201

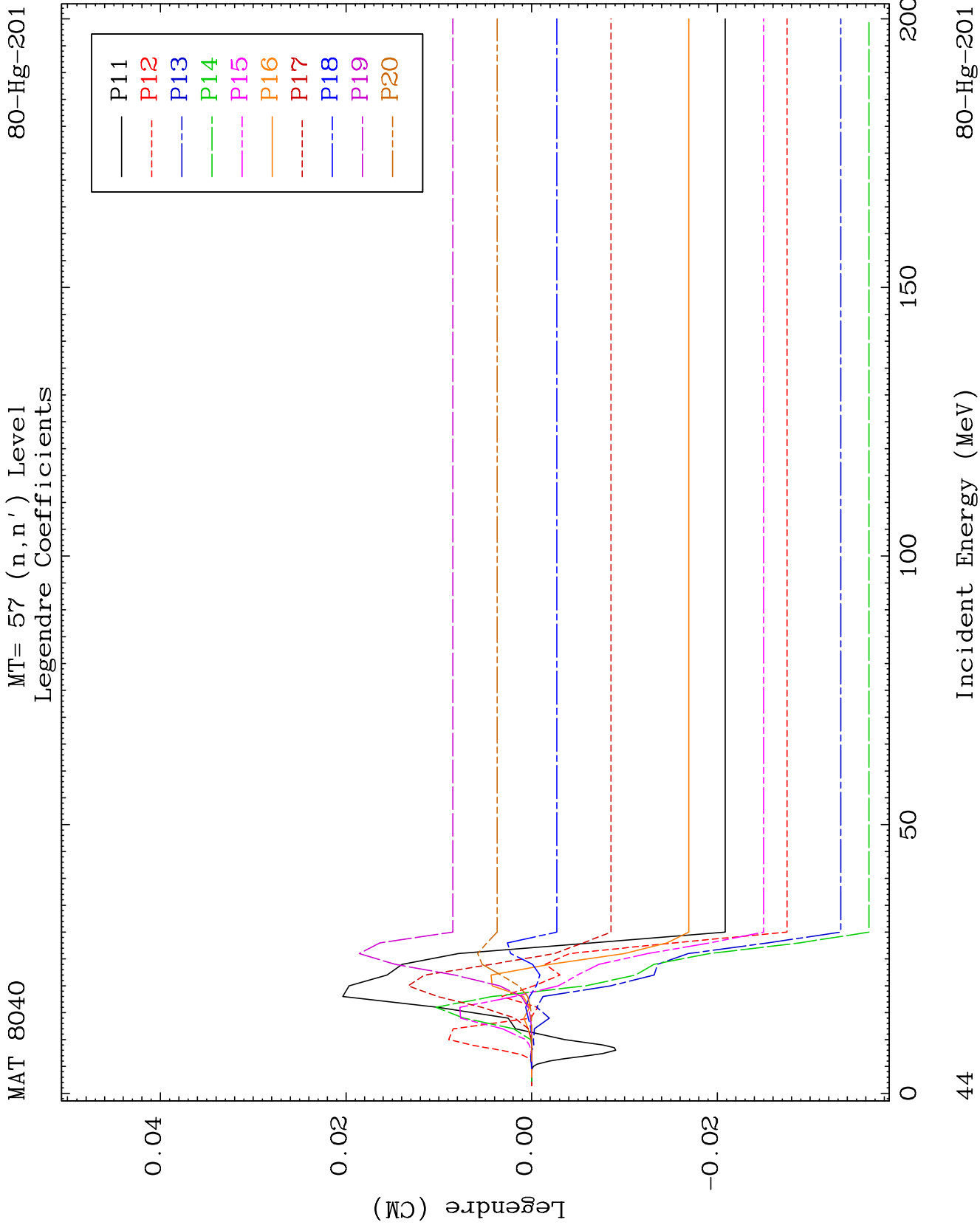
MAT 8040 MT= 57 (n,n') Level Legendre Coefficients

80-Hg-201

80-Hg-201



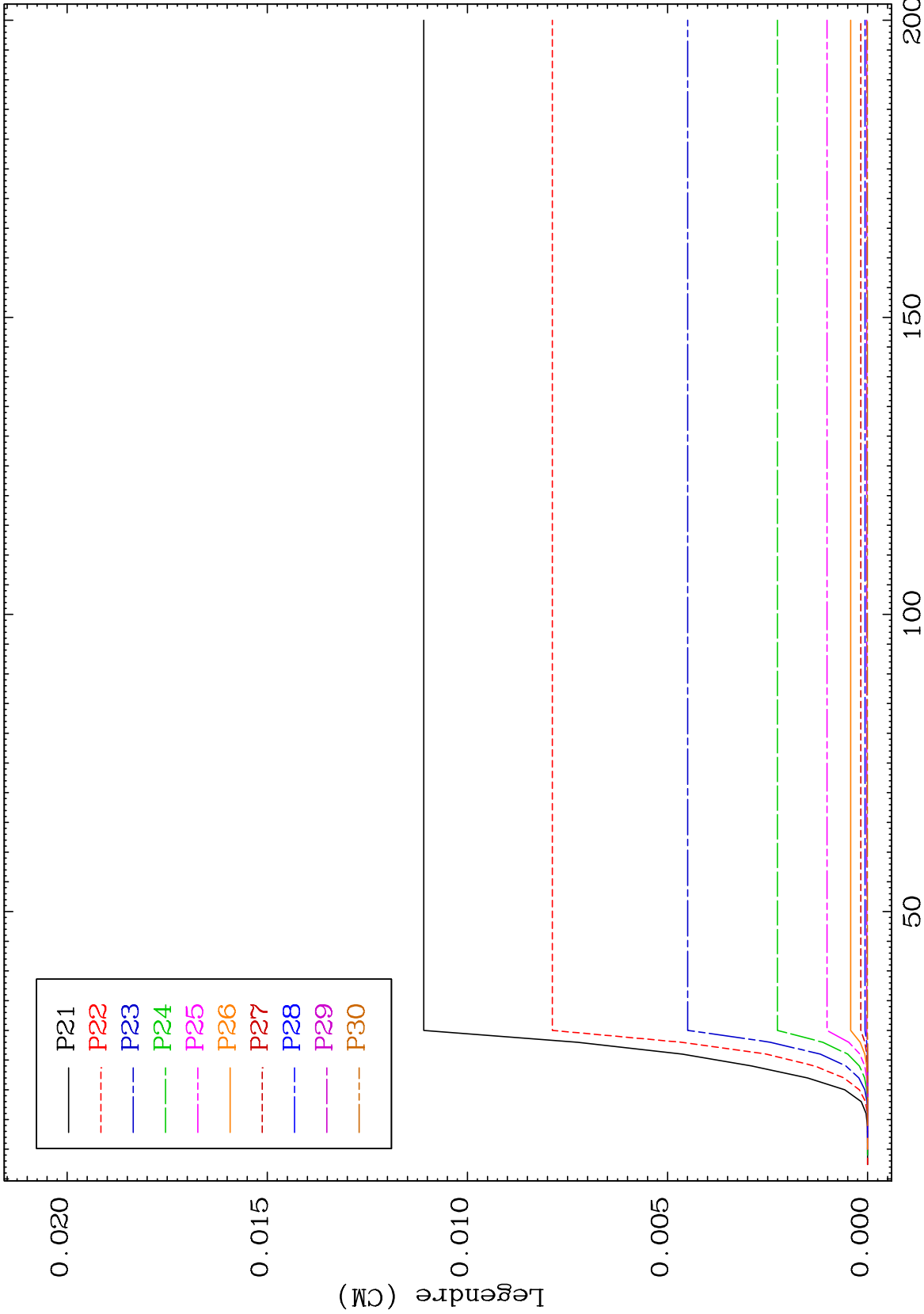
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MAT 8040

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

80-Hg-201



45

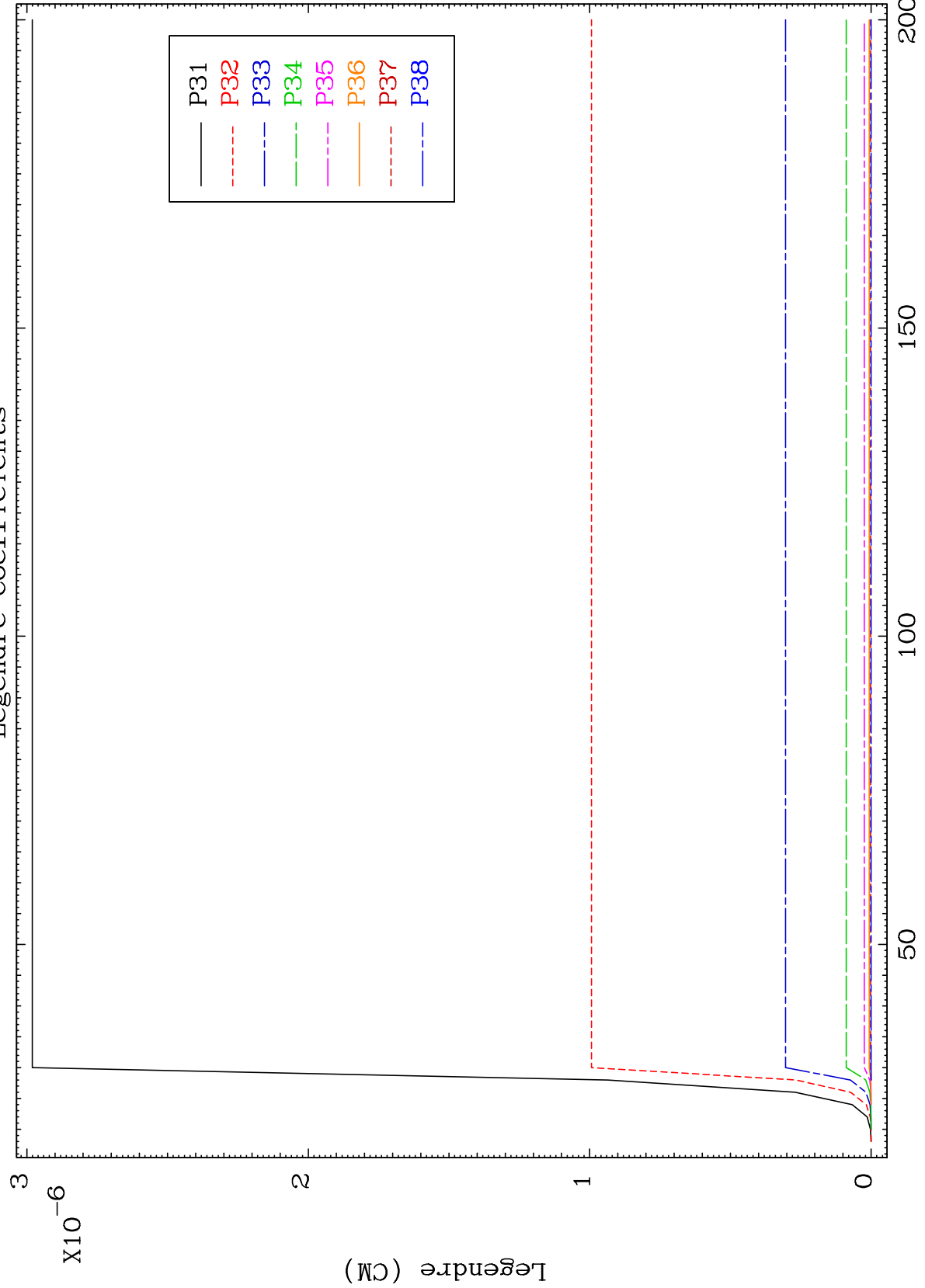
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

80-Hg-201



46

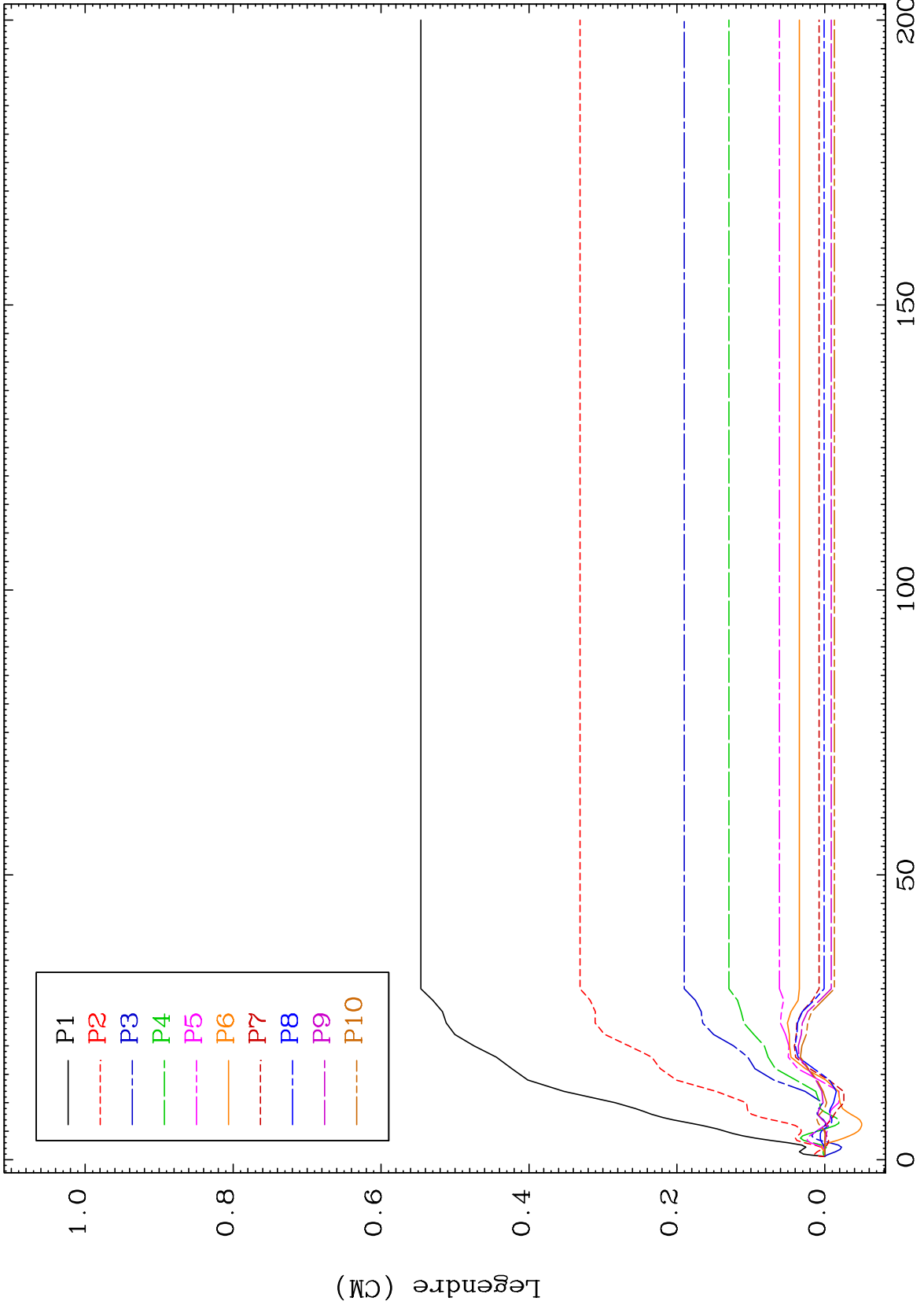
Incident Energy (MeV)

80-Hg-201

MAT 8040 MT= 58 (n,n') Level Legendre Coefficients

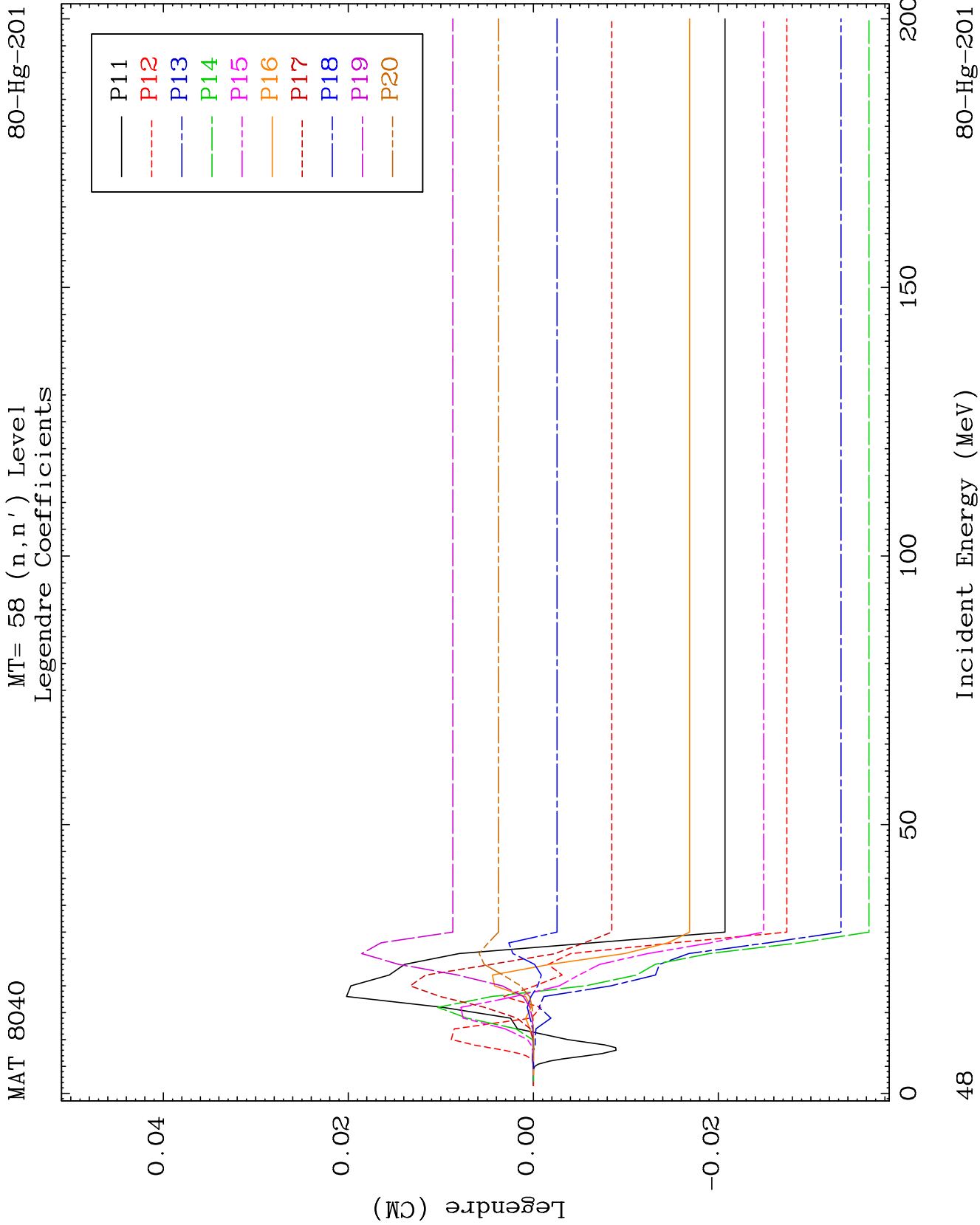
80-Hg-201

80-Hg-201



47

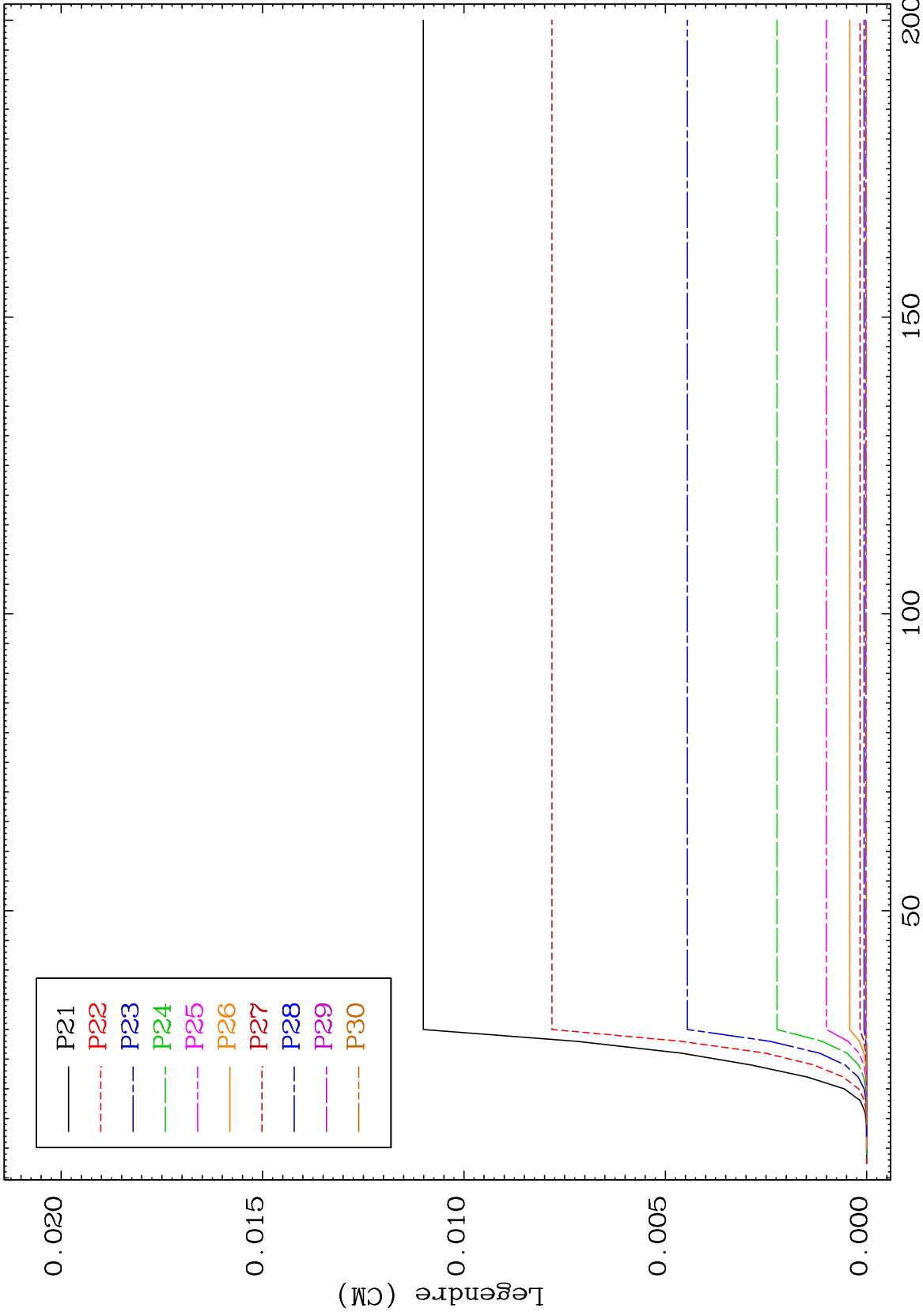




MAT 8040

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

80-Hg-201

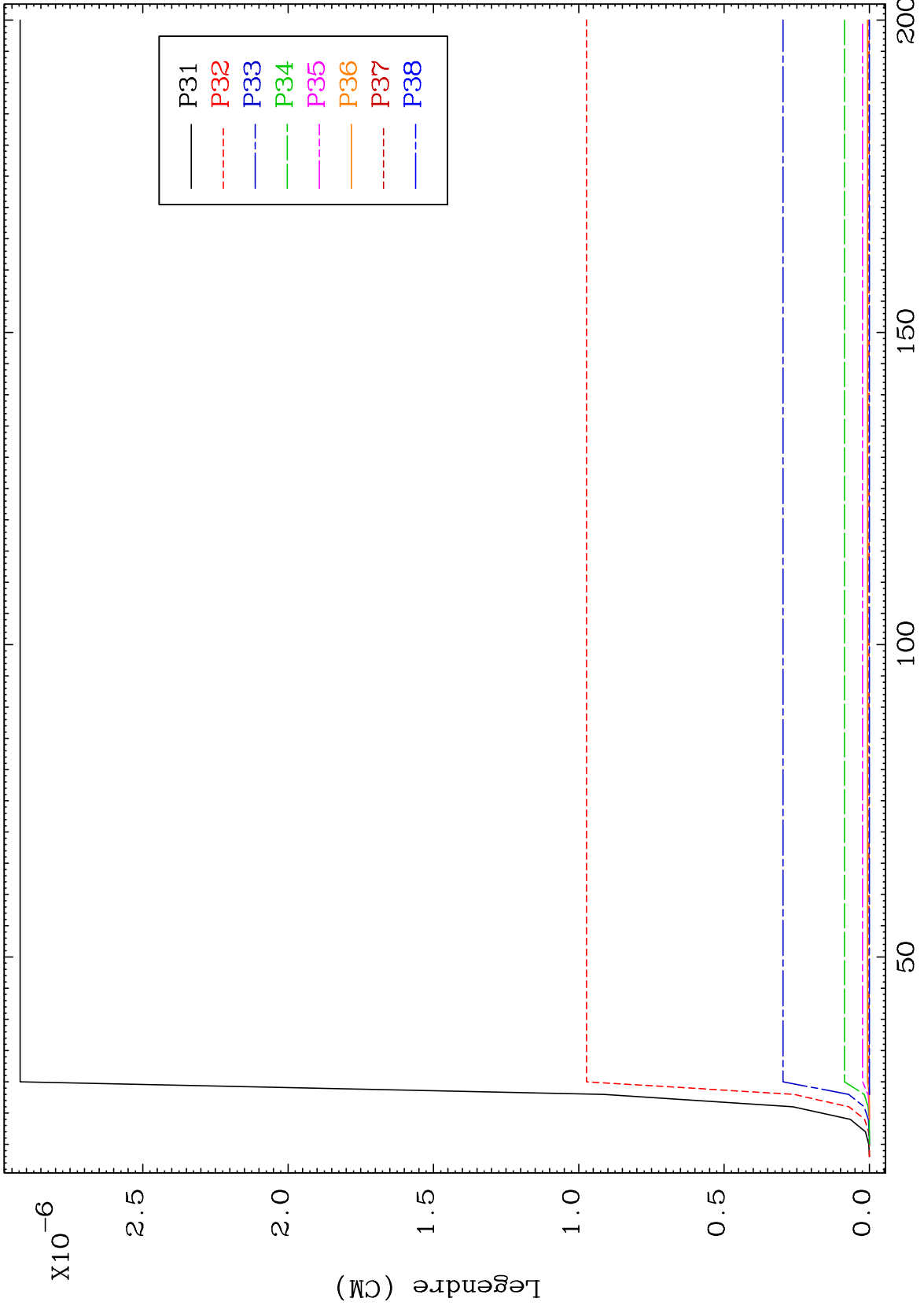


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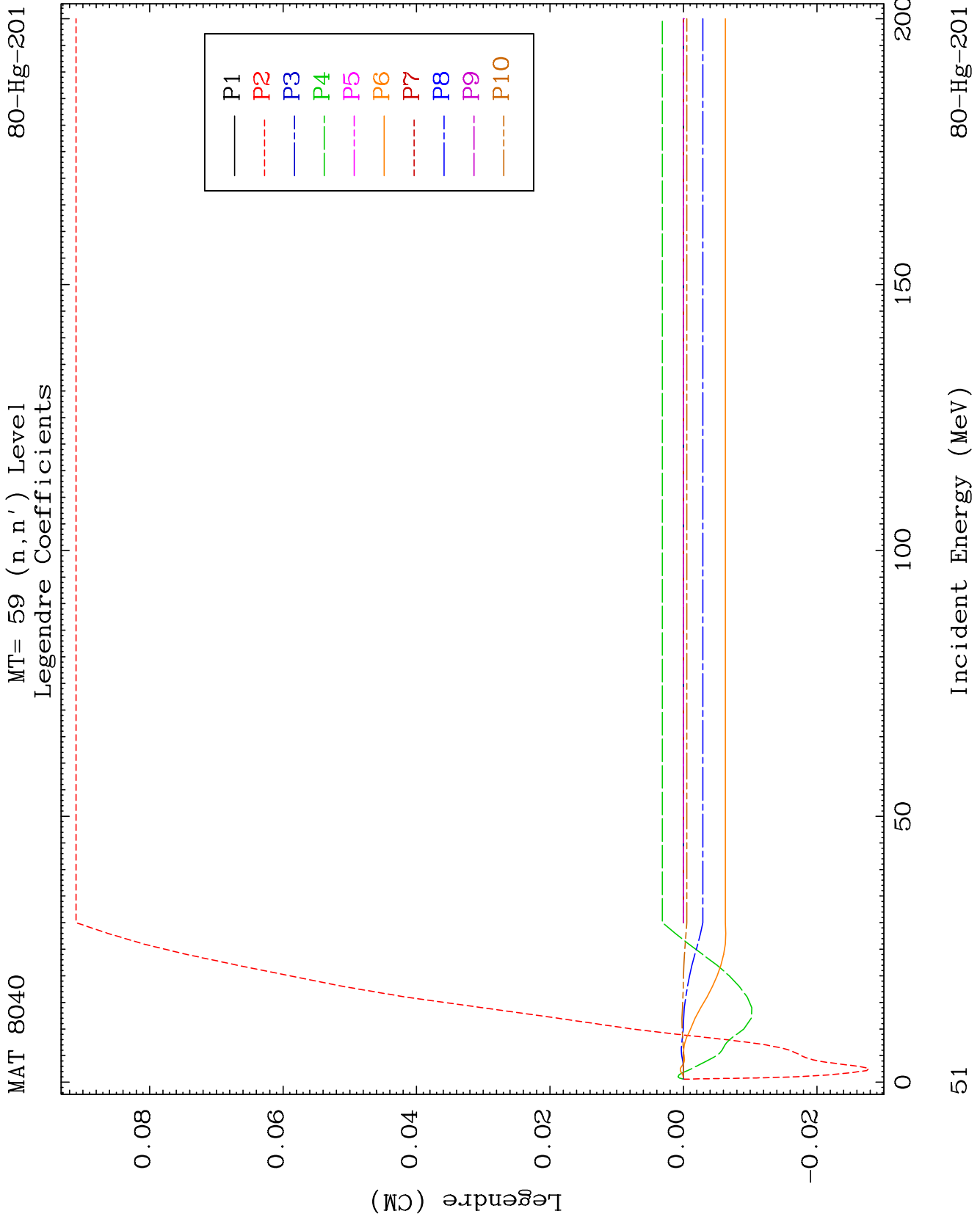
Incident Energy (MeV)

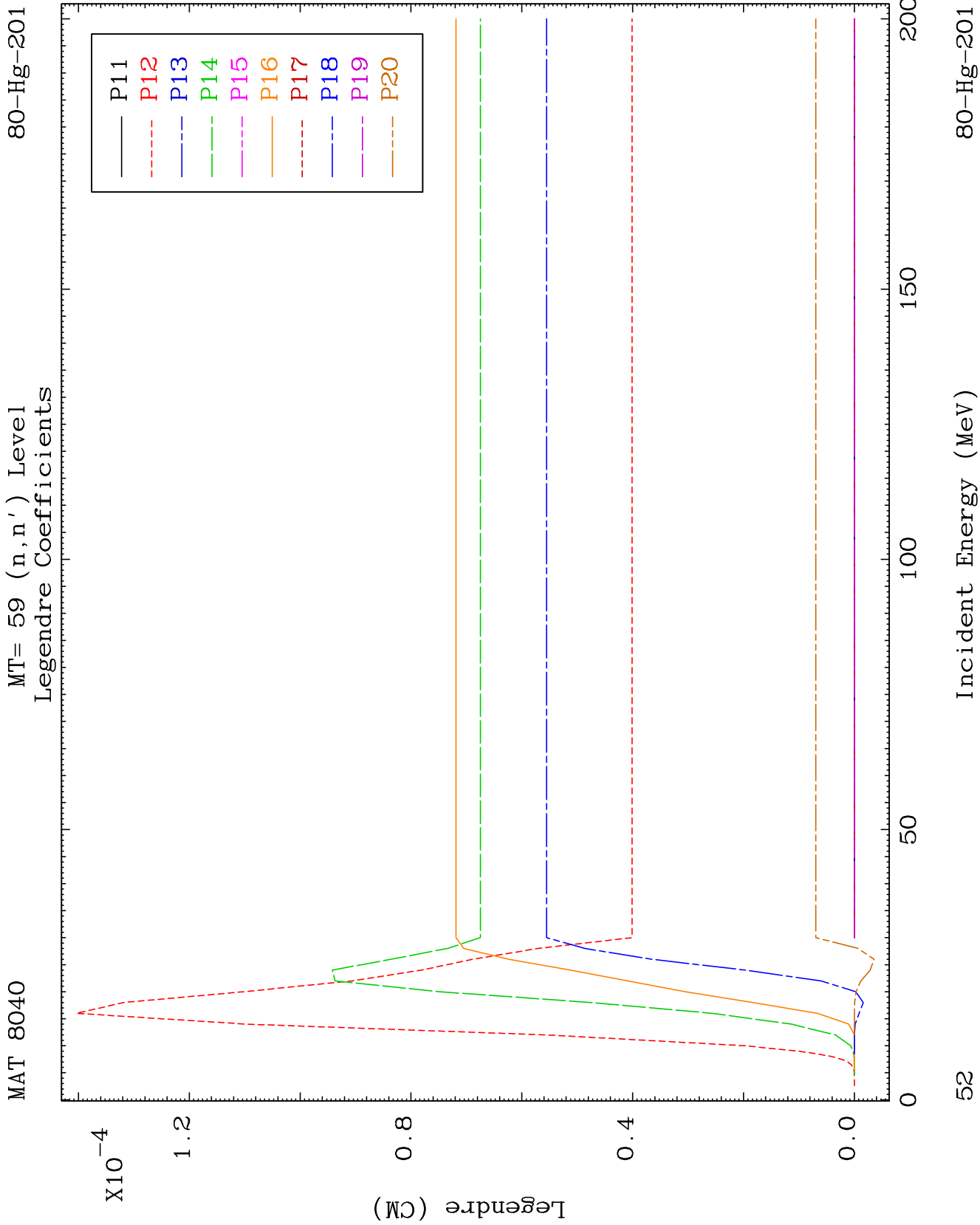
80-Hg-201

MAT 8040 MT= 58 (n,n') Level Legendre Coefficients 80-Hg-201

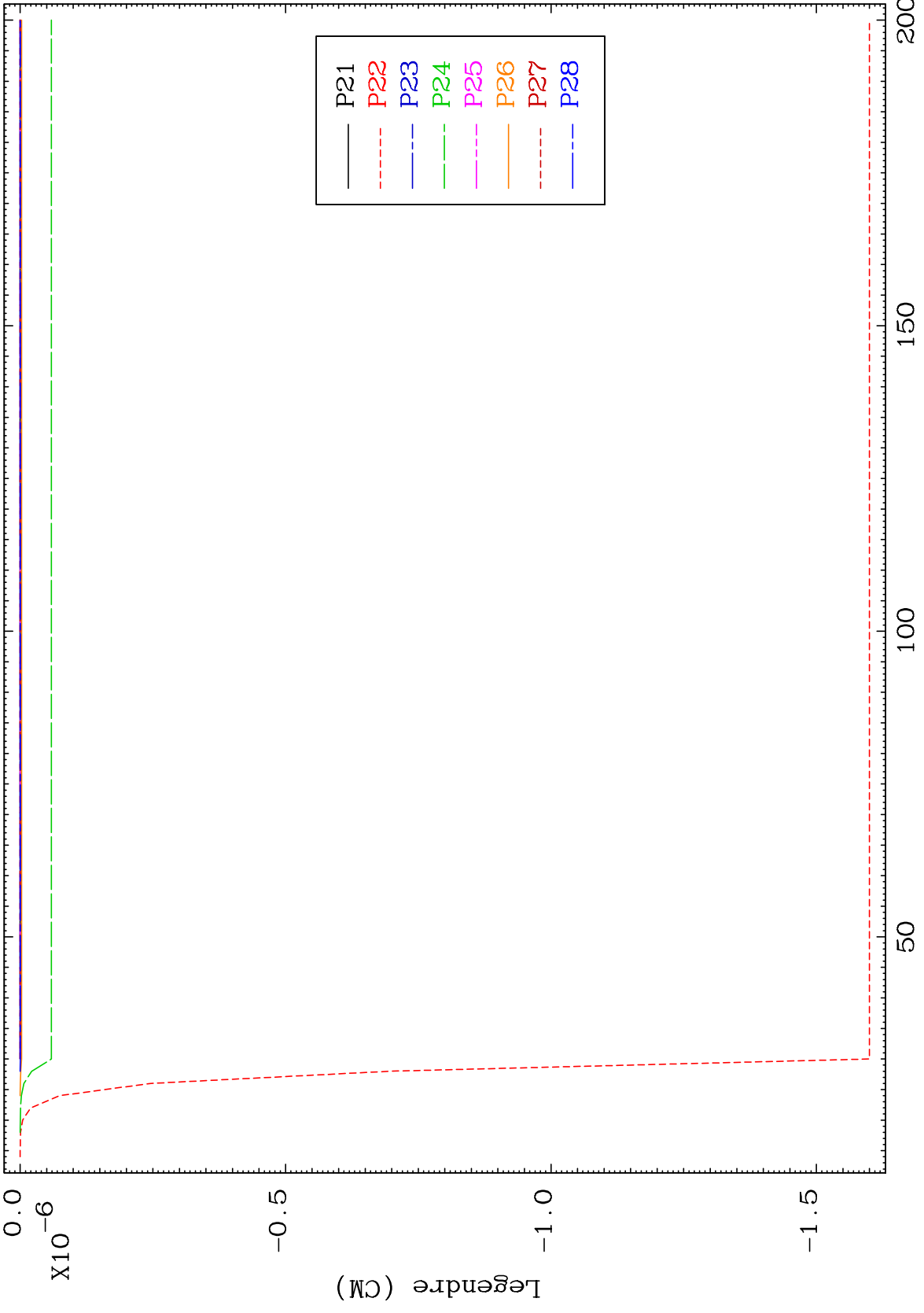


80-Hg-201





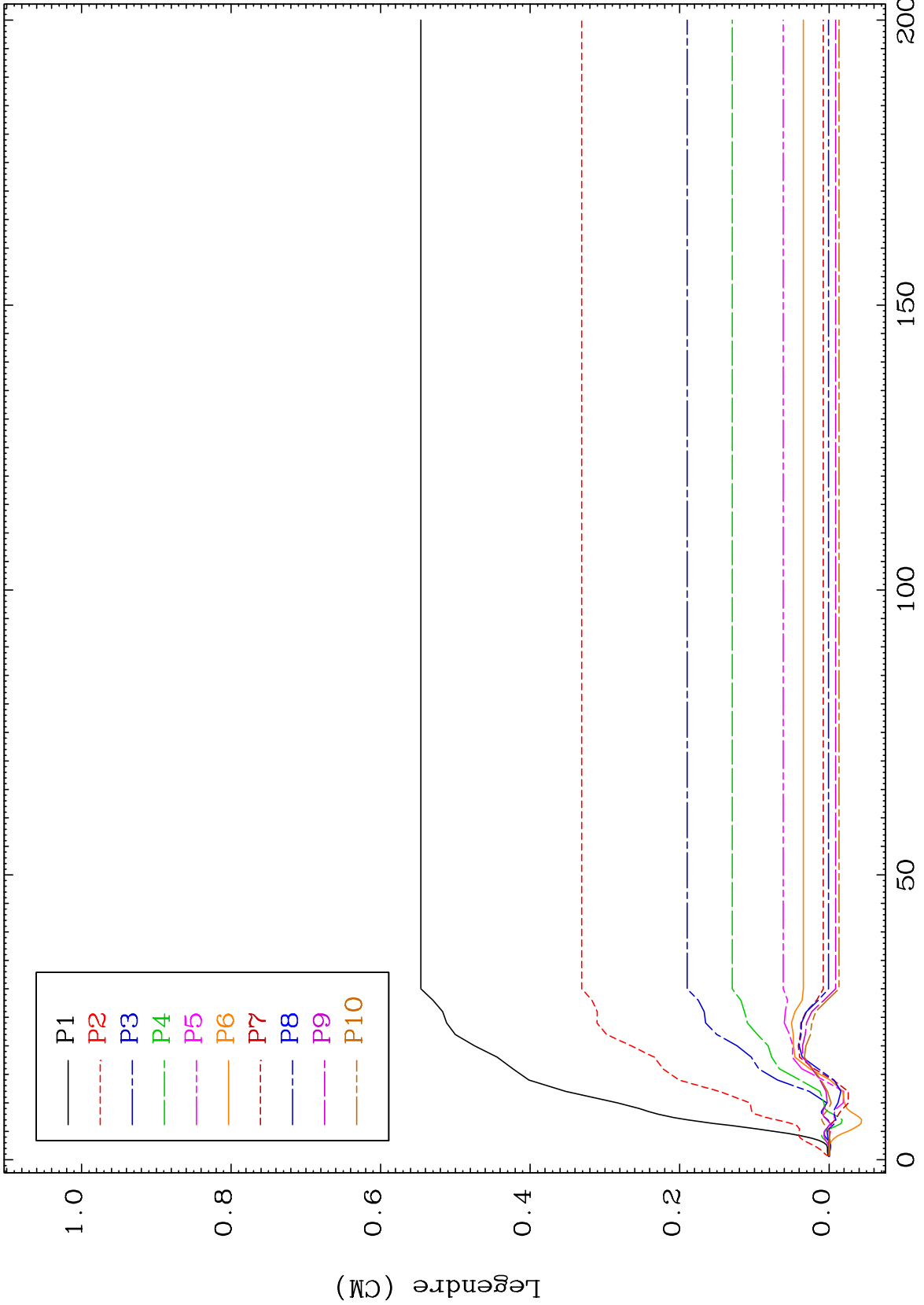
MAT 8040 MT= 59 (n,n') Level Legendre Coefficients 80-Hg-201



MAT 8040 MT= 60 (n,n') Level Legendre Coefficients

80-Hg-201

80-Hg-201



54

MAT 8040 MT= 60 (n,n') Level Legendre Coefficients 80-Hg-201



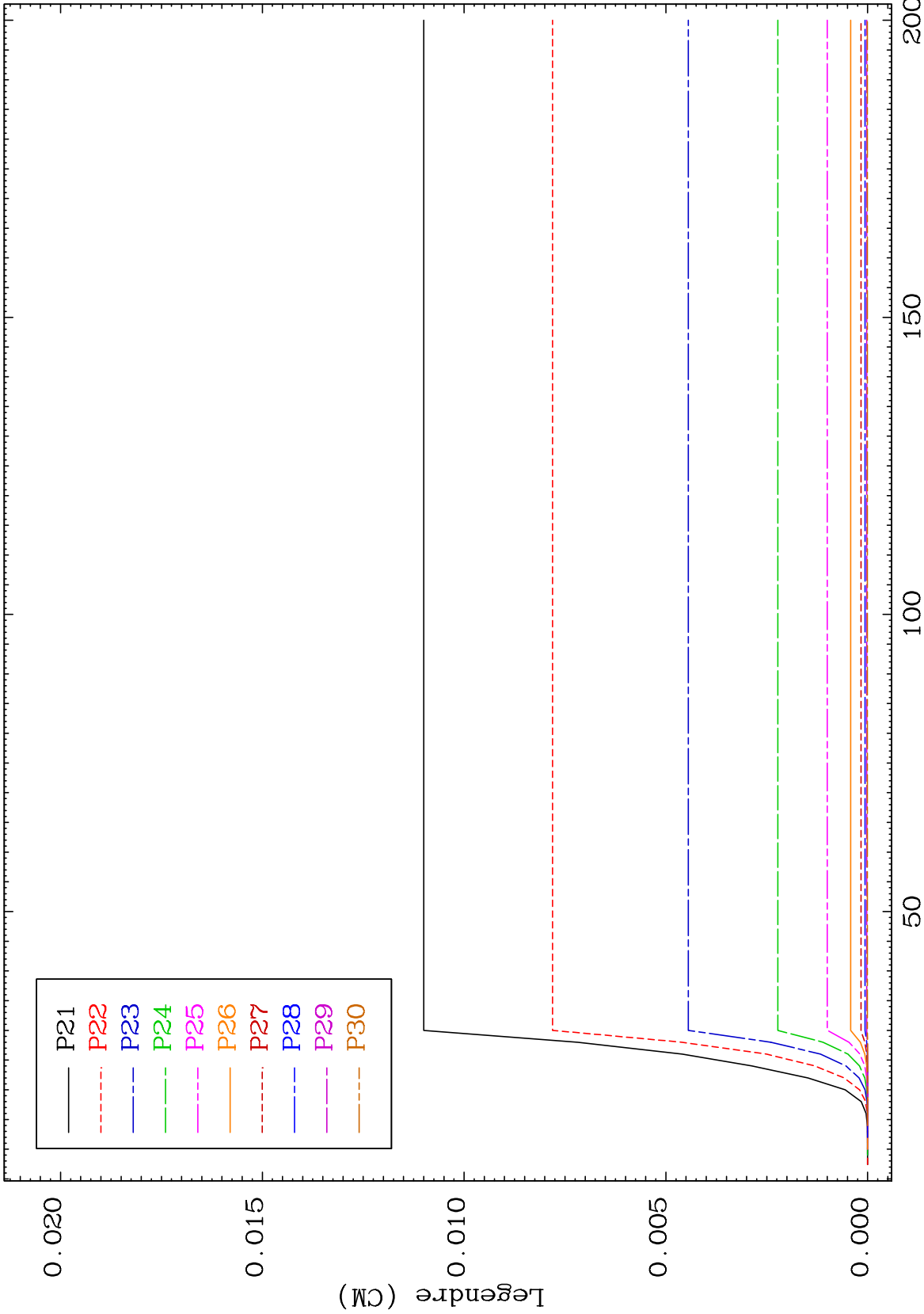
55 Incident Energy (MeV) 80-Hg-201



MAT 8040

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

80-Hg-201

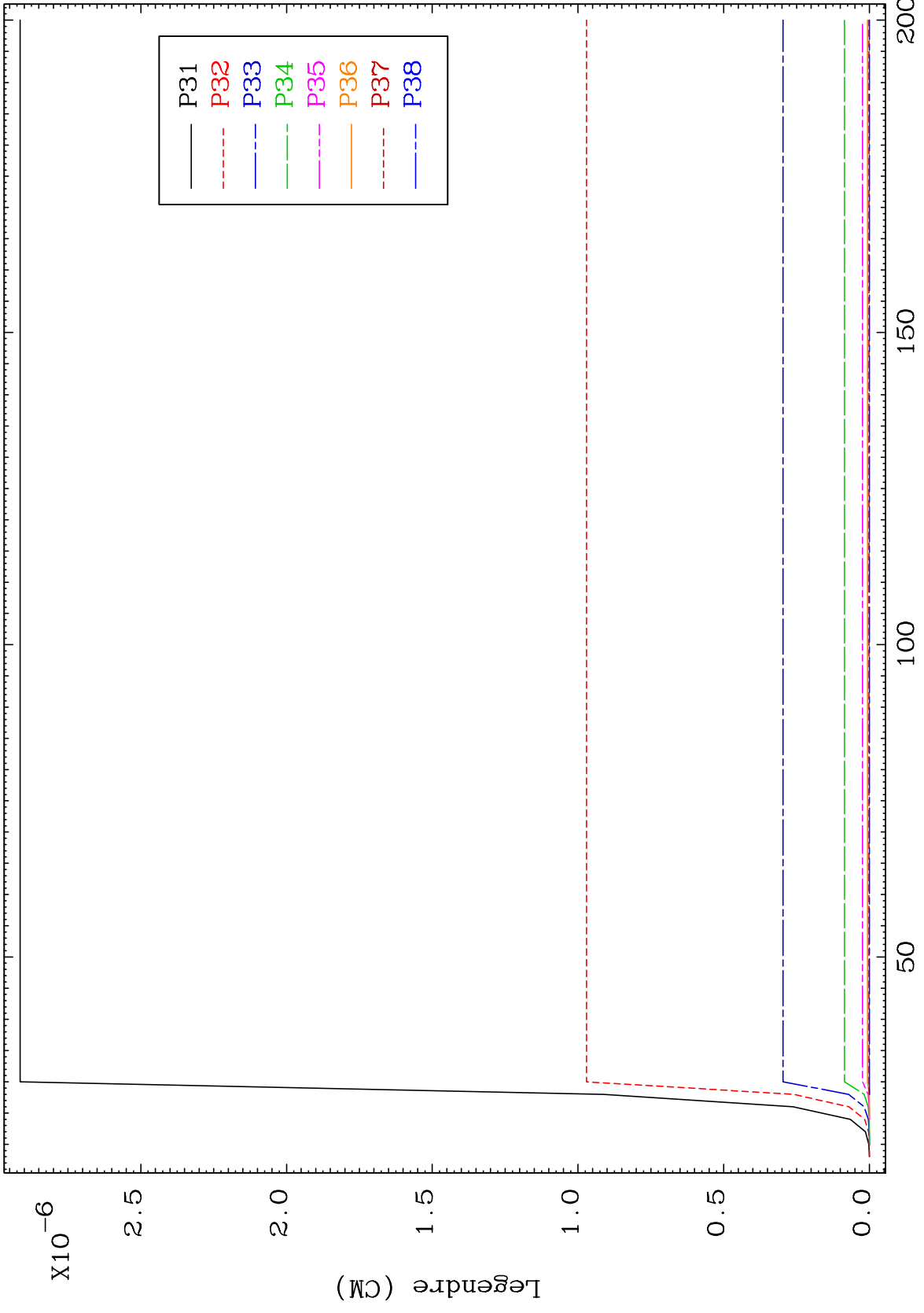


56

Incident Energy (MeV)

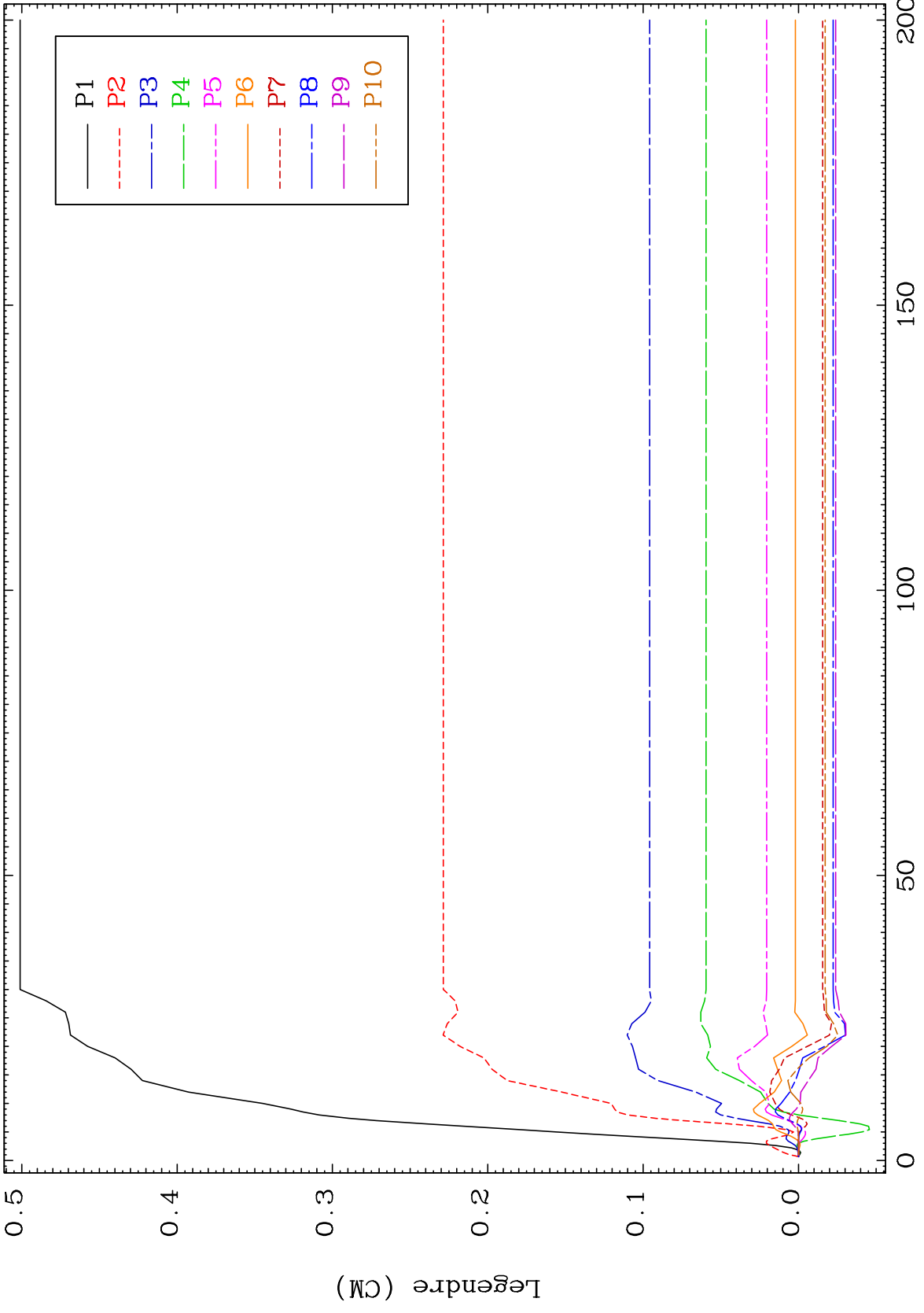
80-Hg-201

MAT 8040 MT= 60 (n,n') Level Legendre Coefficients 80-Hg-201



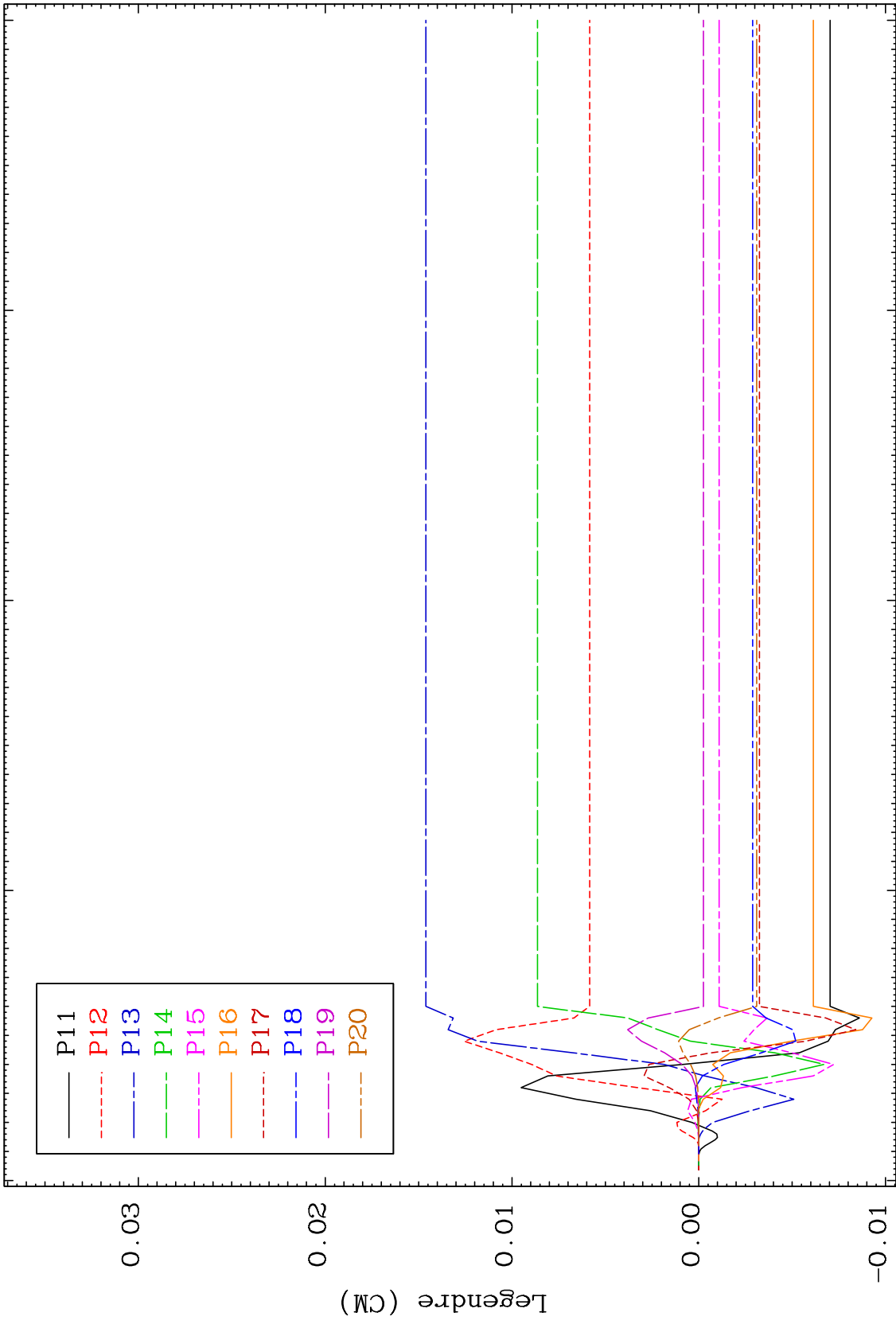
57 80-Hg-201

MAT 8040 MT= 61 (n,n') Level Legendre Coefficients 80-Hg-201



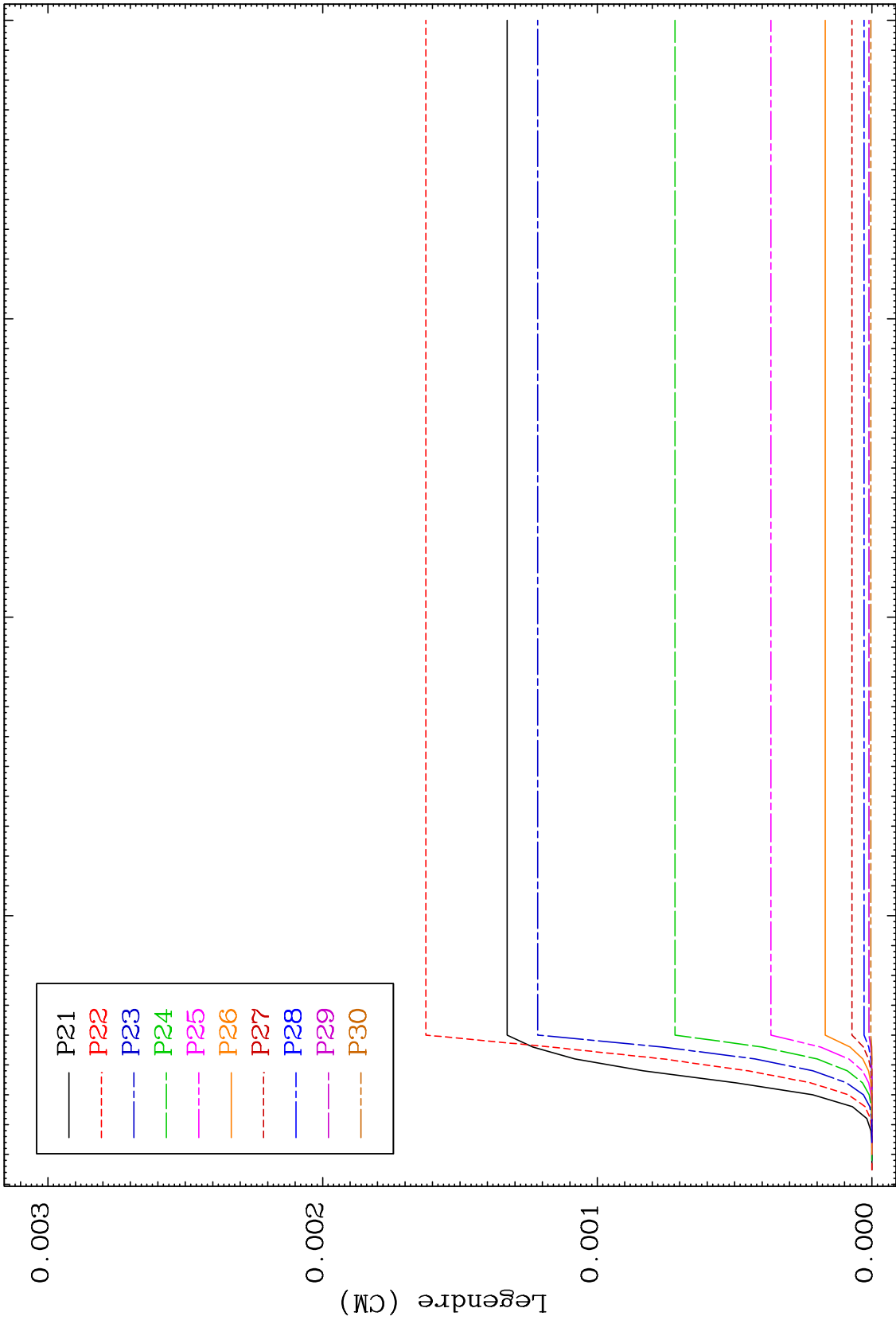
58 Incident Energy (MeV) 80-Hg-201

MAT 8040 MT= 61 (n,n') Level Legendre Coefficients 80-Hg-201



59 Incident Energy (MeV) 80-Hg-201

MAT 8040 MT= 61 (n,n') Level Legendre Coefficients 80-Hg-201



80-Hg-201

Incident Energy (MeV)

60

200

50

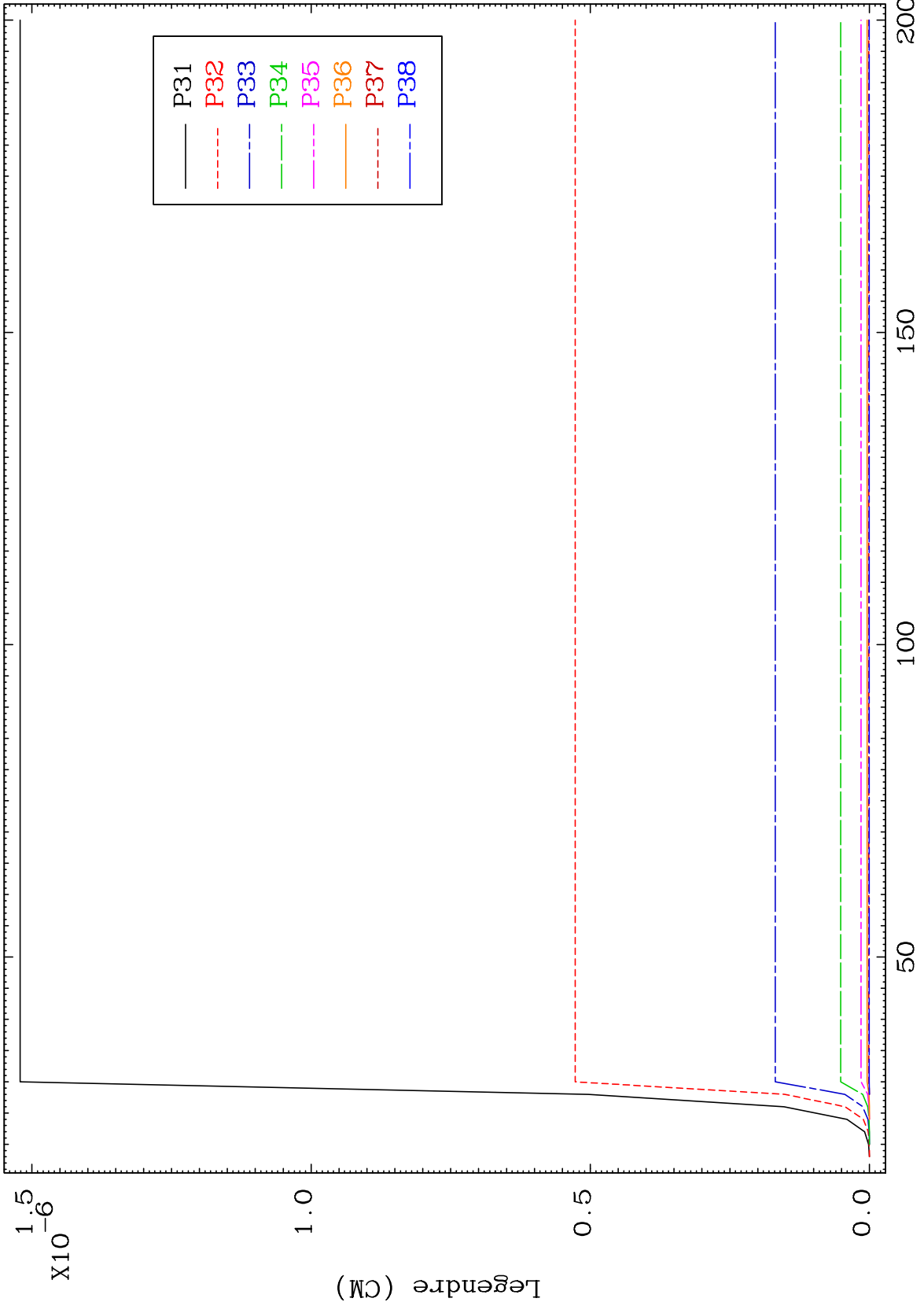
100

150

MAT 8040

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

80-Hg-201



61

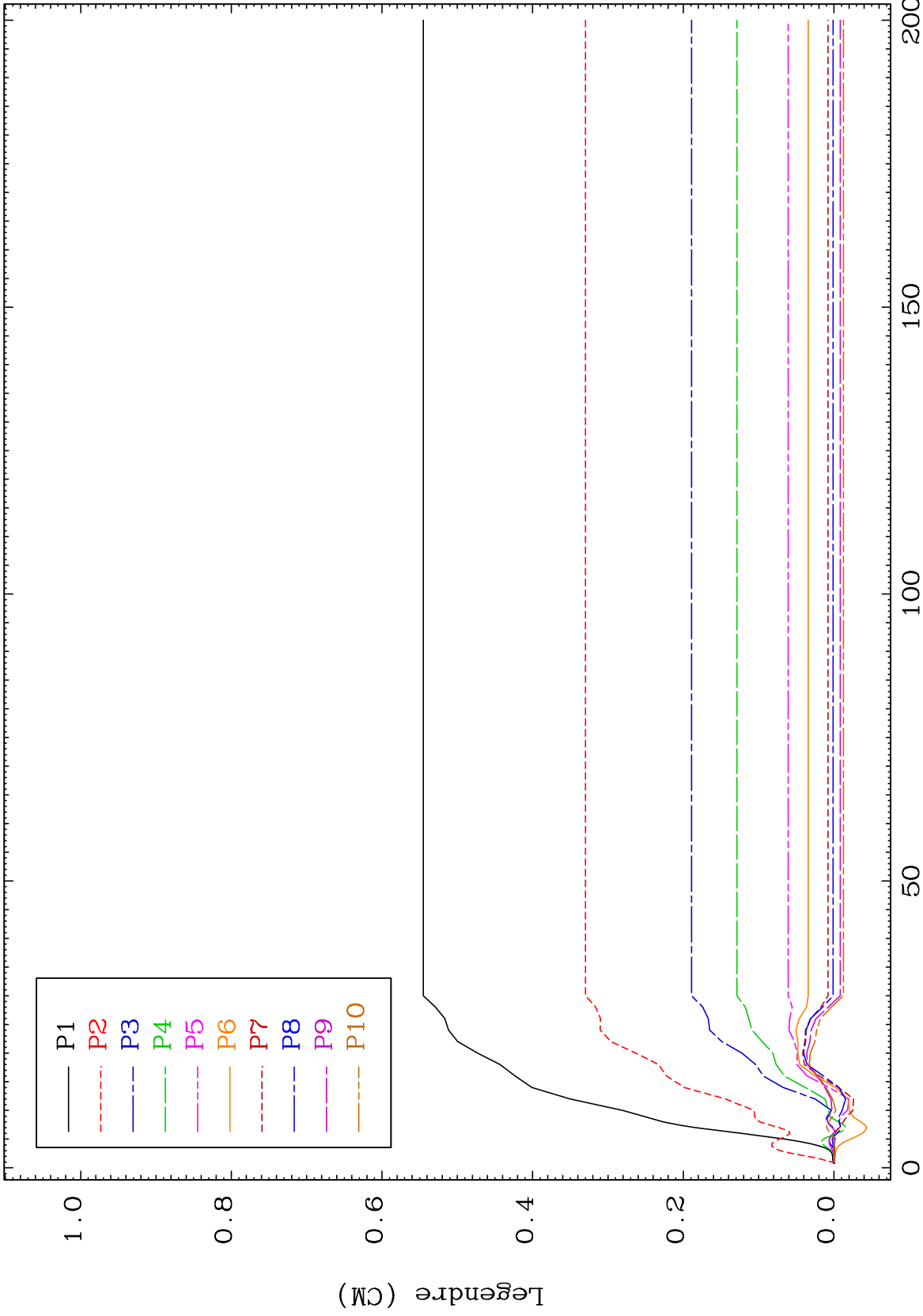
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

80-Hg-201



62

Incident Energy (MeV)

80-Hg-201

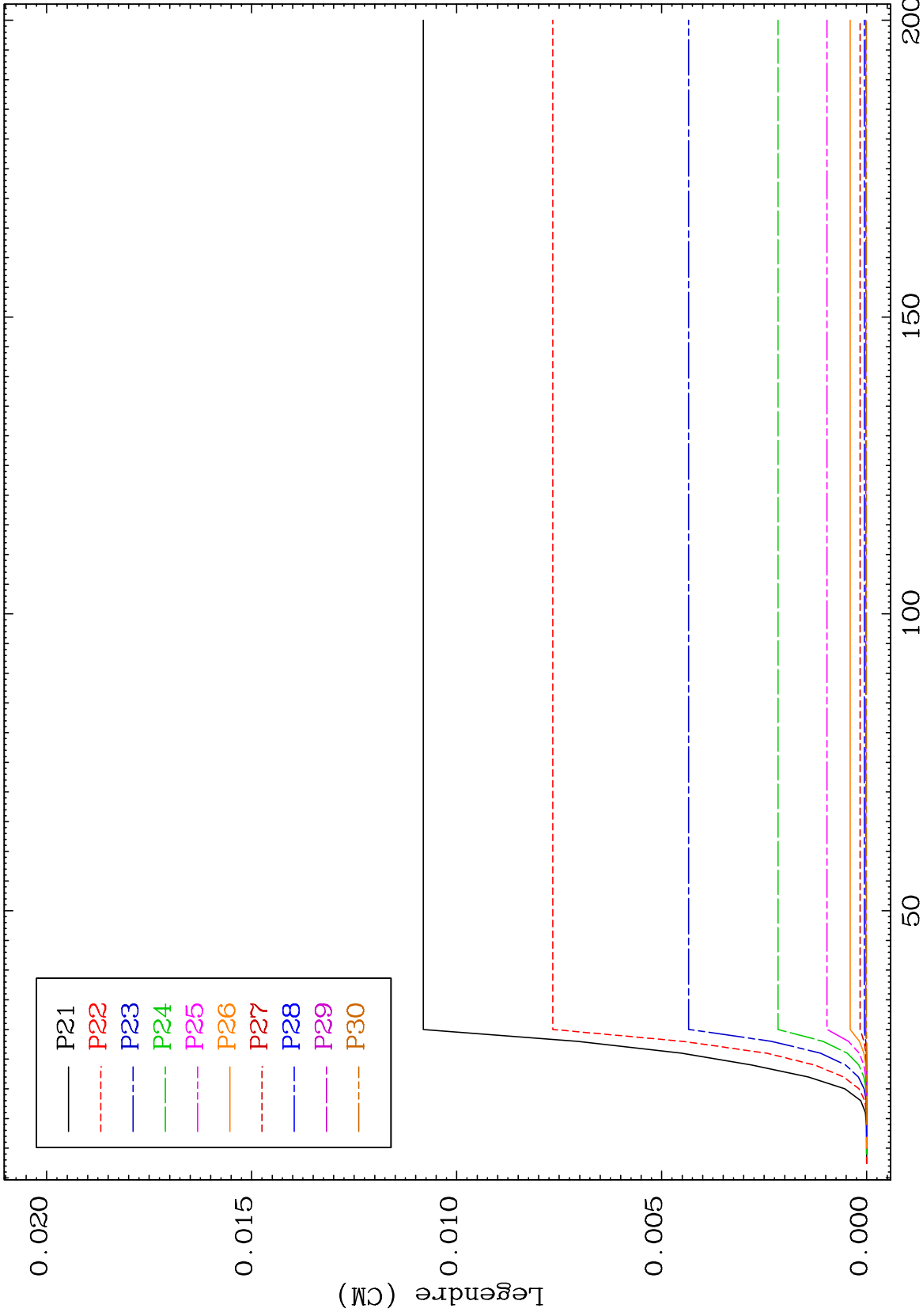




MAT 8040

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

80-Hg-201



64

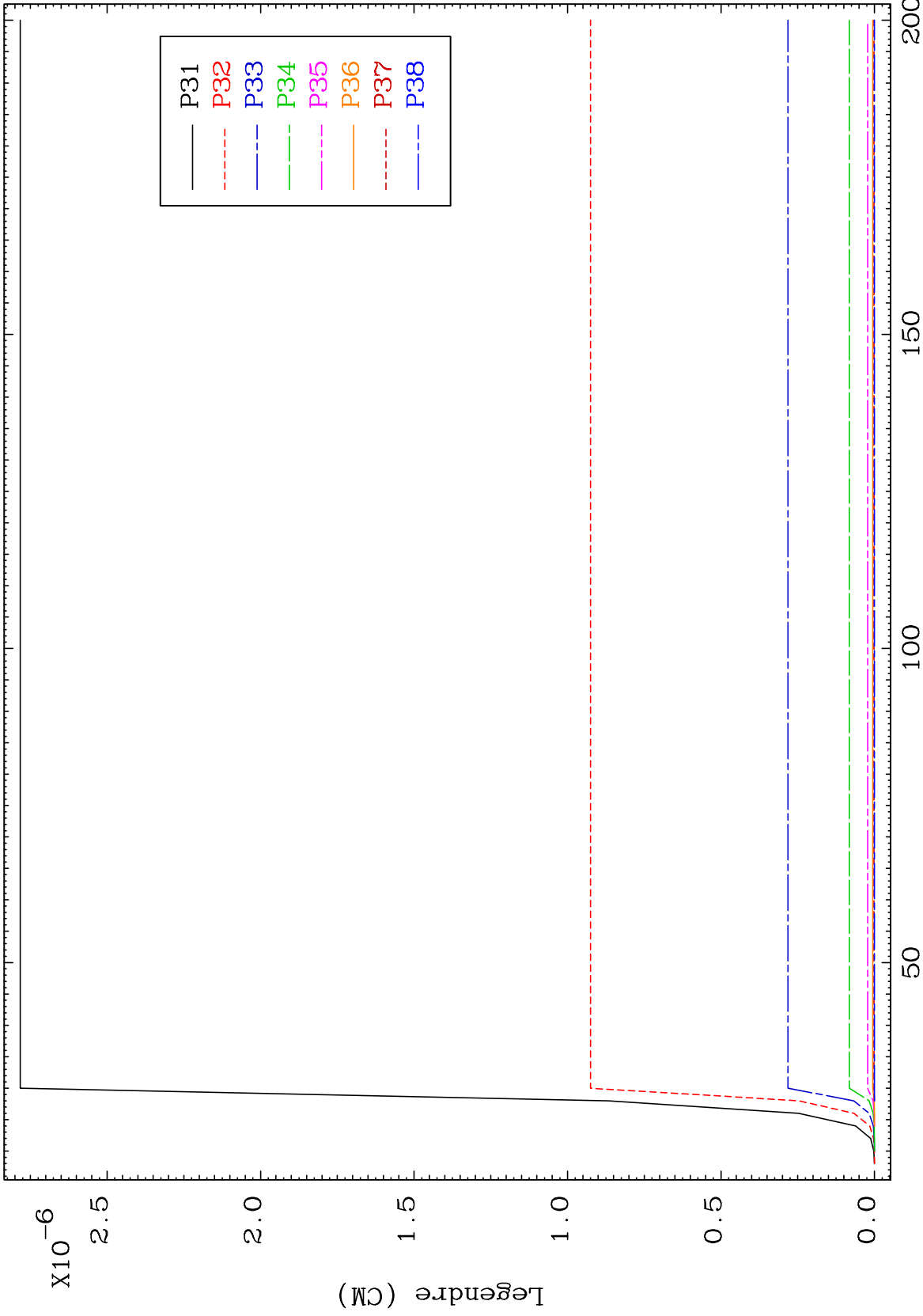
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

80-Hg-201



65

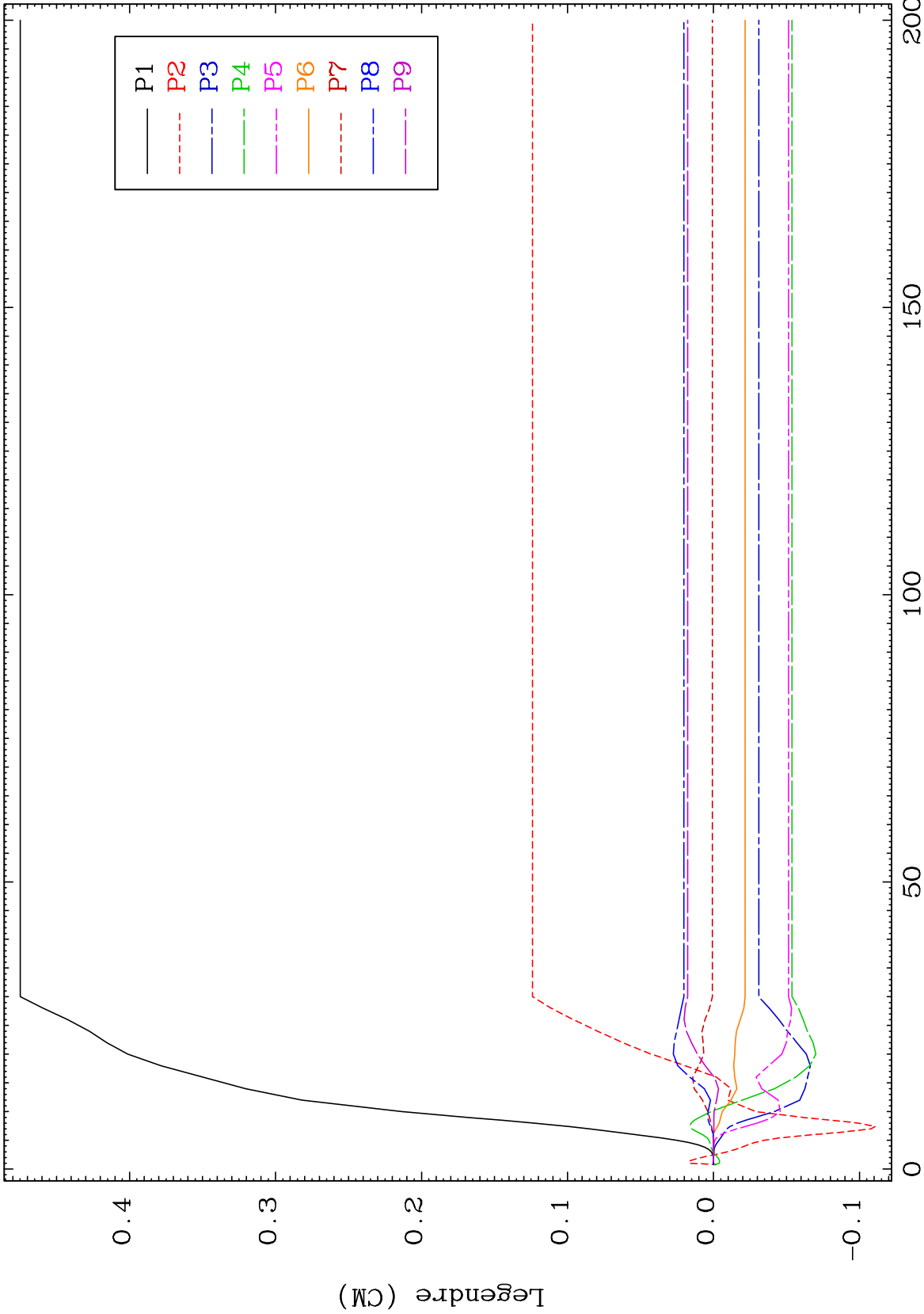
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

80-Hg-201



66

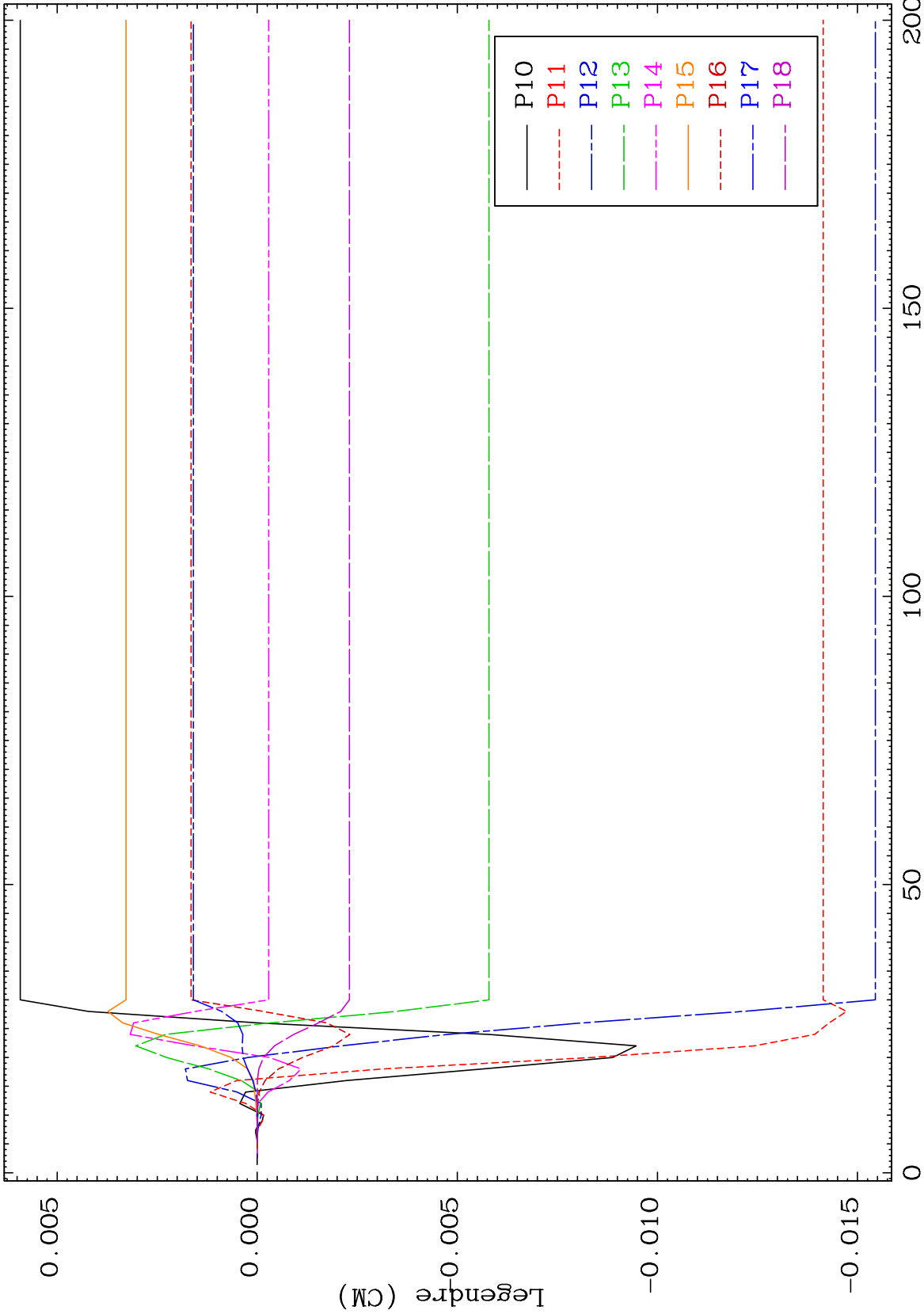
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

80-Hg-201



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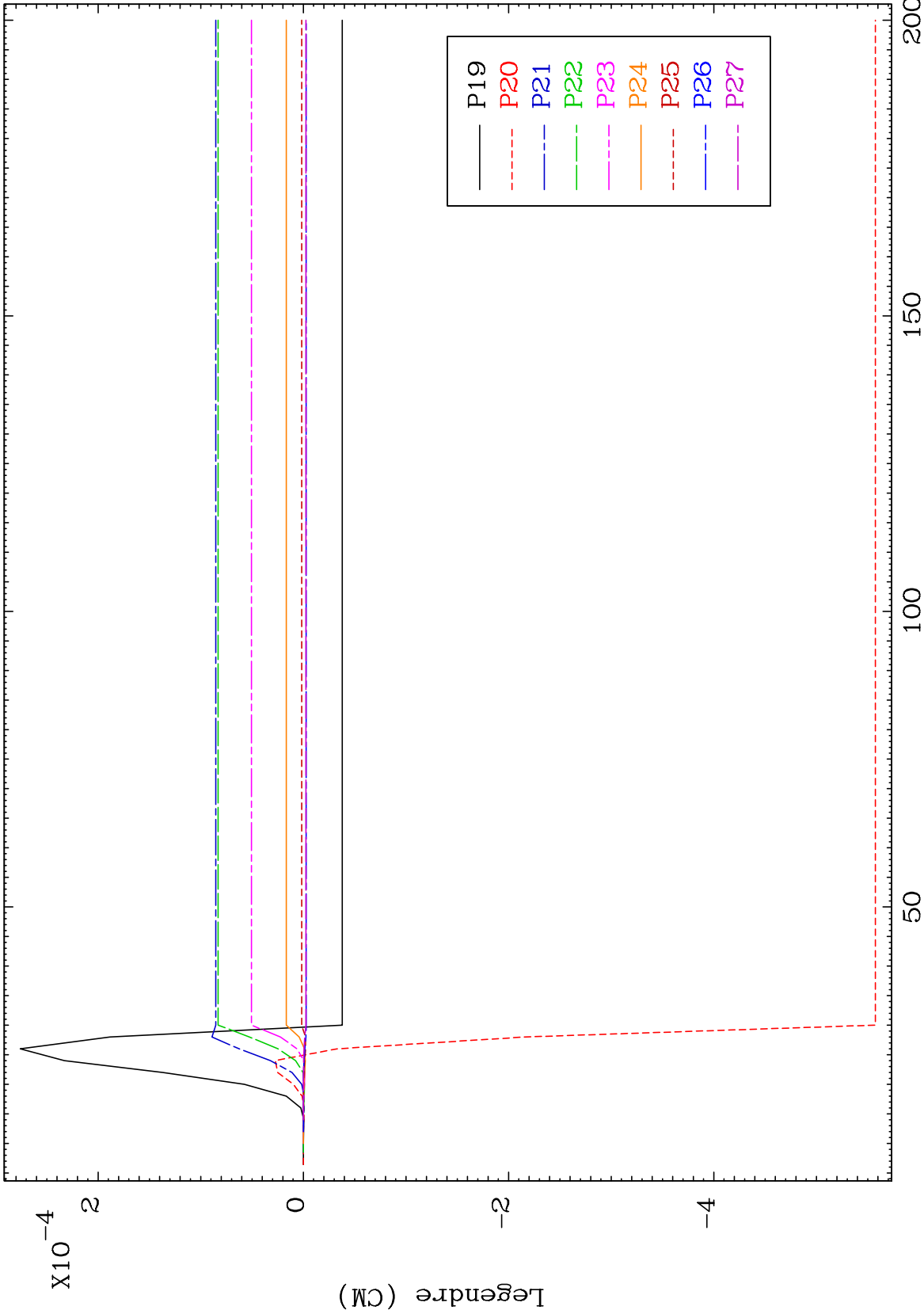
Incident Energy (MeV)

80-Hg-201

MAT 8040

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

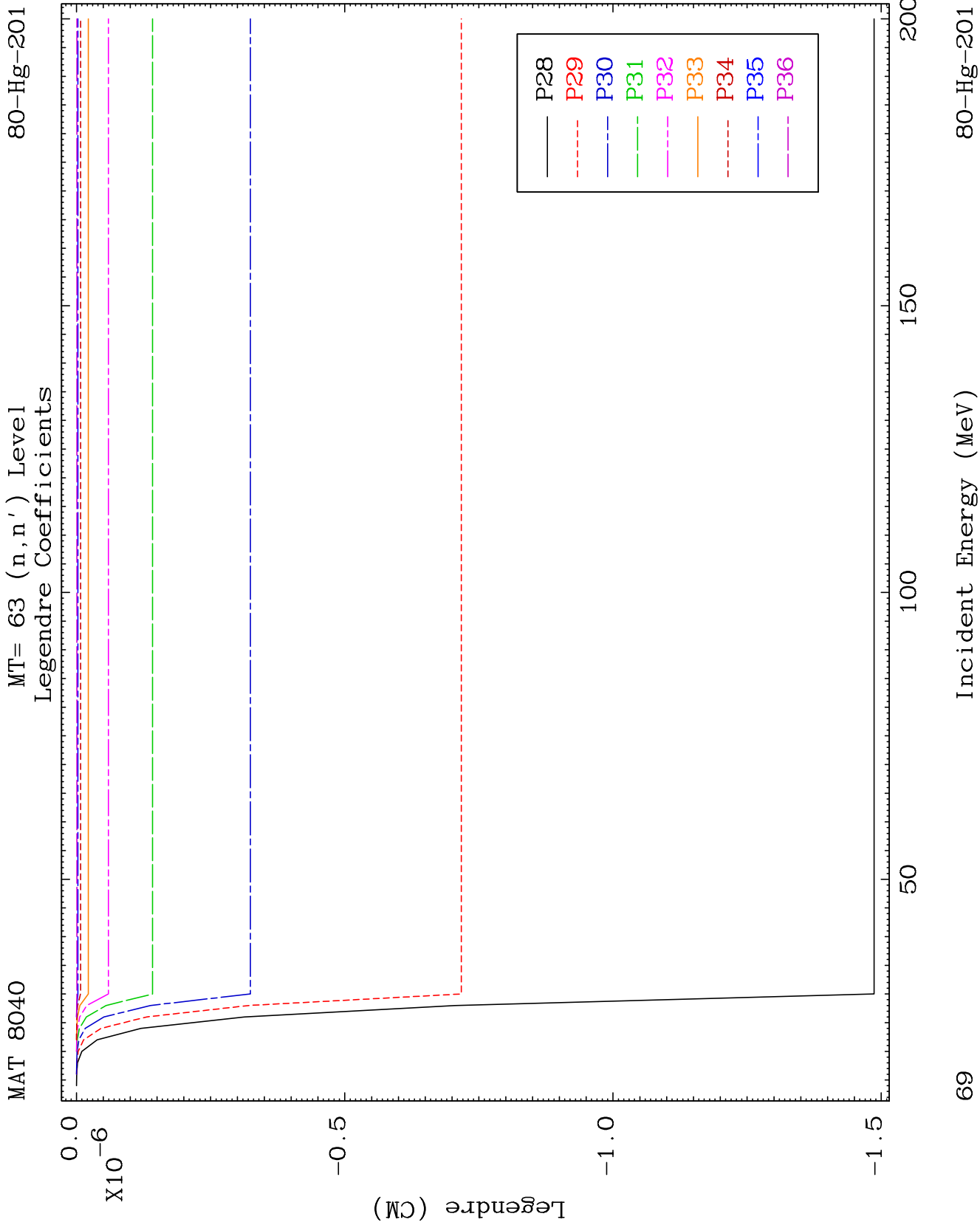
80-Hg-201



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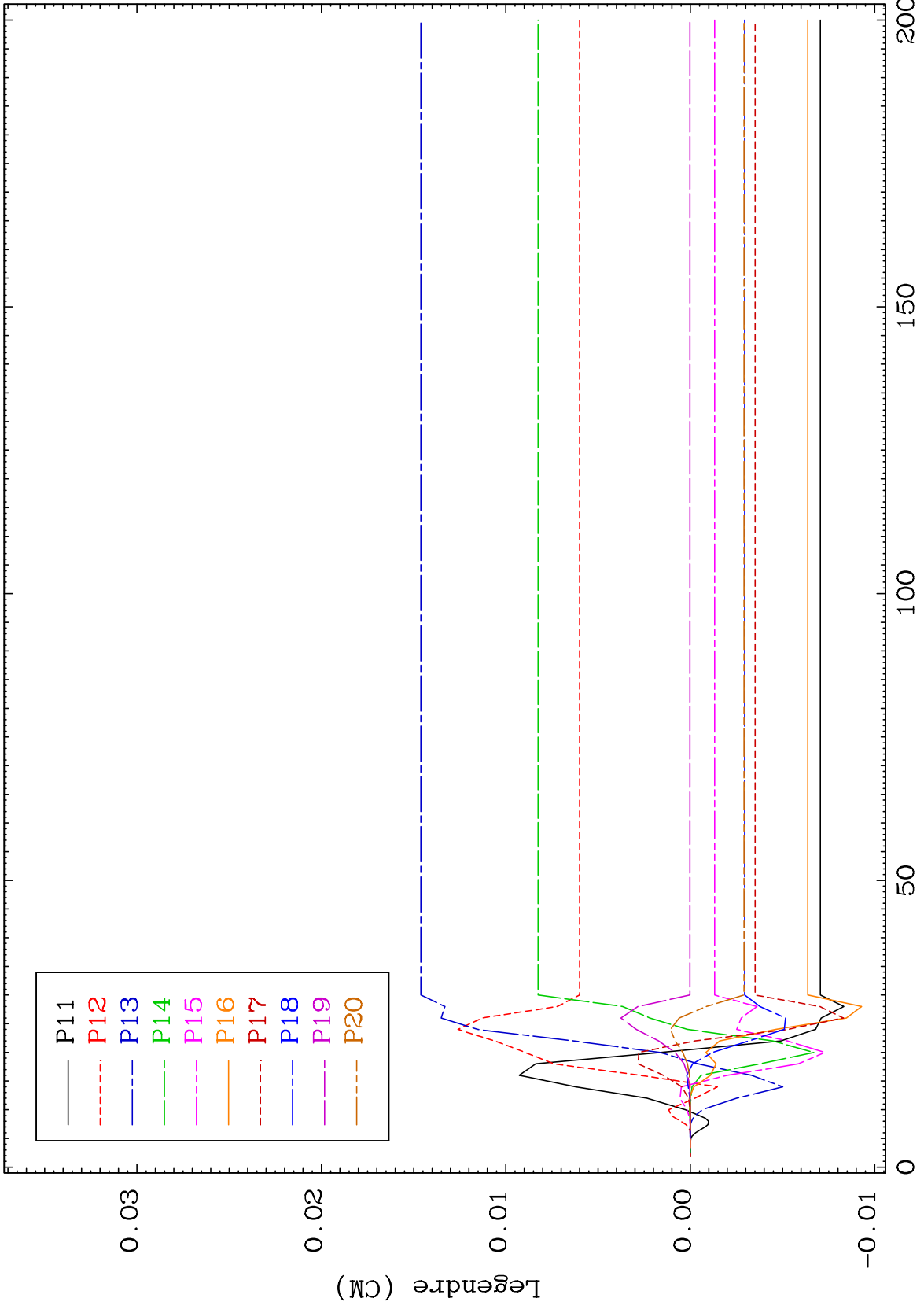
Incident Energy (MeV)

80-Hg-201





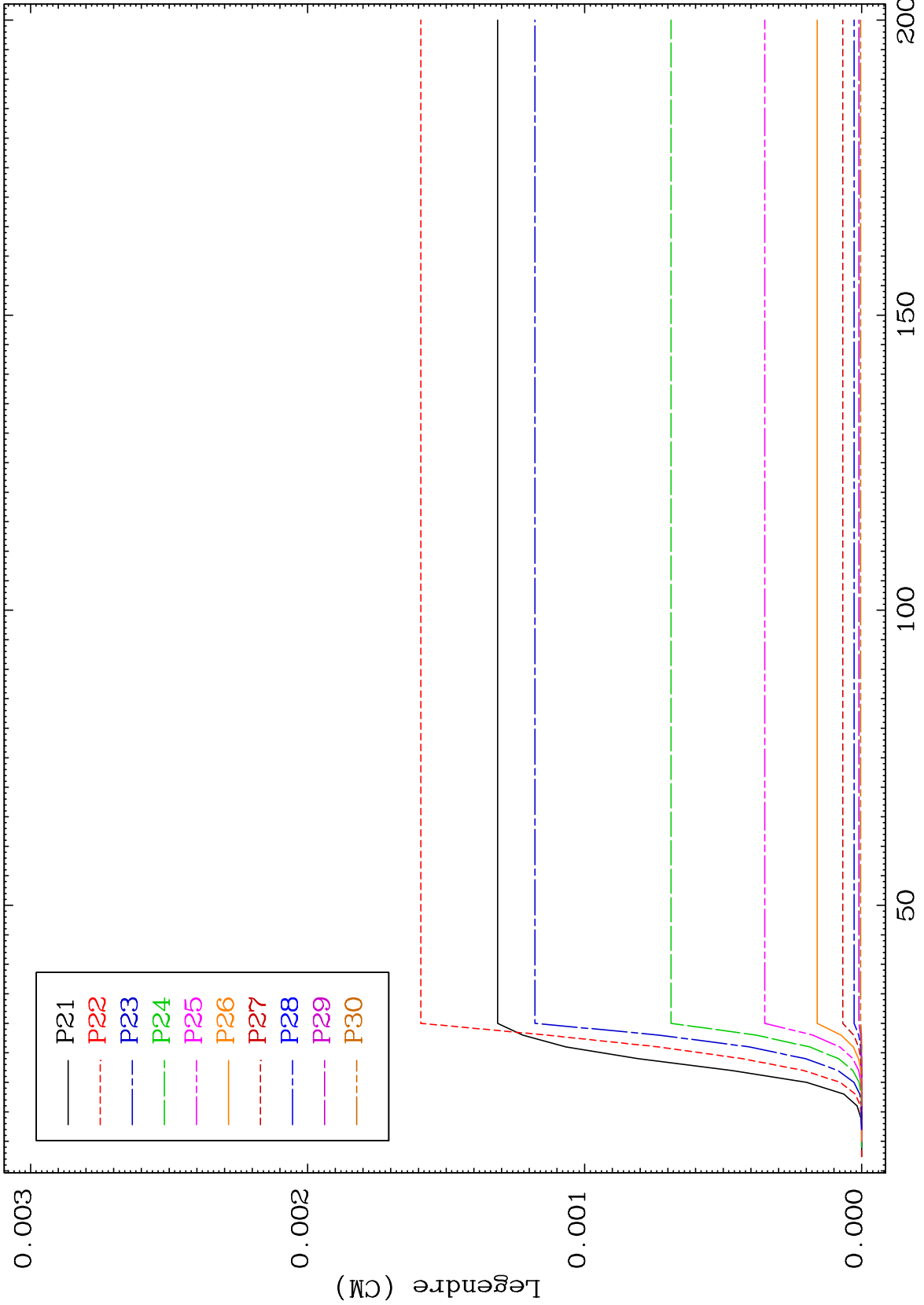
MAT 8040 MT= 64 (n,n') Level Legendre Coefficients 80-Hg-201



71 80-Hg-201



MAT 8040 MT= 64 (n,n') Level Legendre Coefficients 80-Hg-201

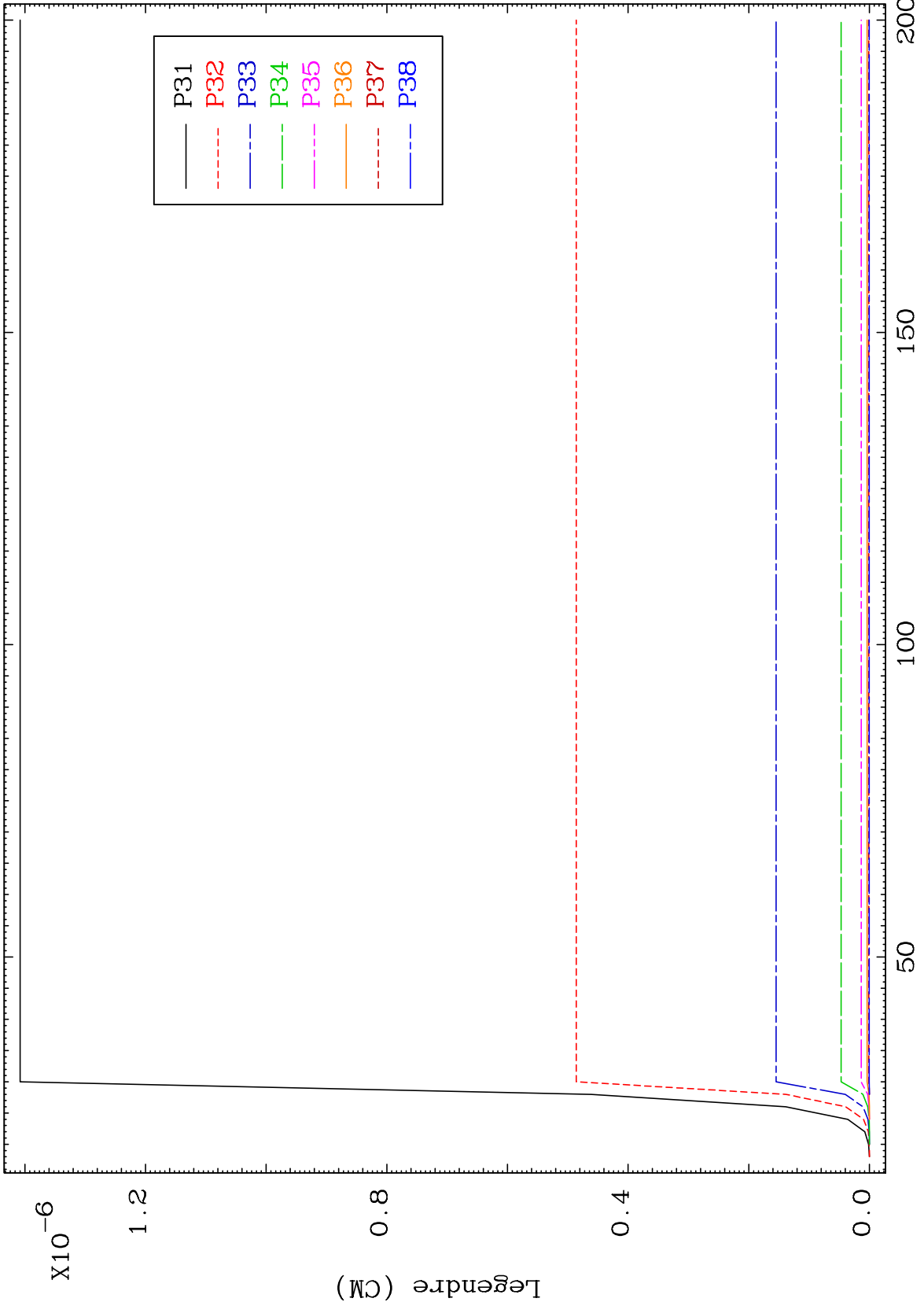


80-Hg-201

Incident Energy (MeV)

72

MAT 8040 MT= 64 (n,n') Level Legendre Coefficients 80-Hg-201

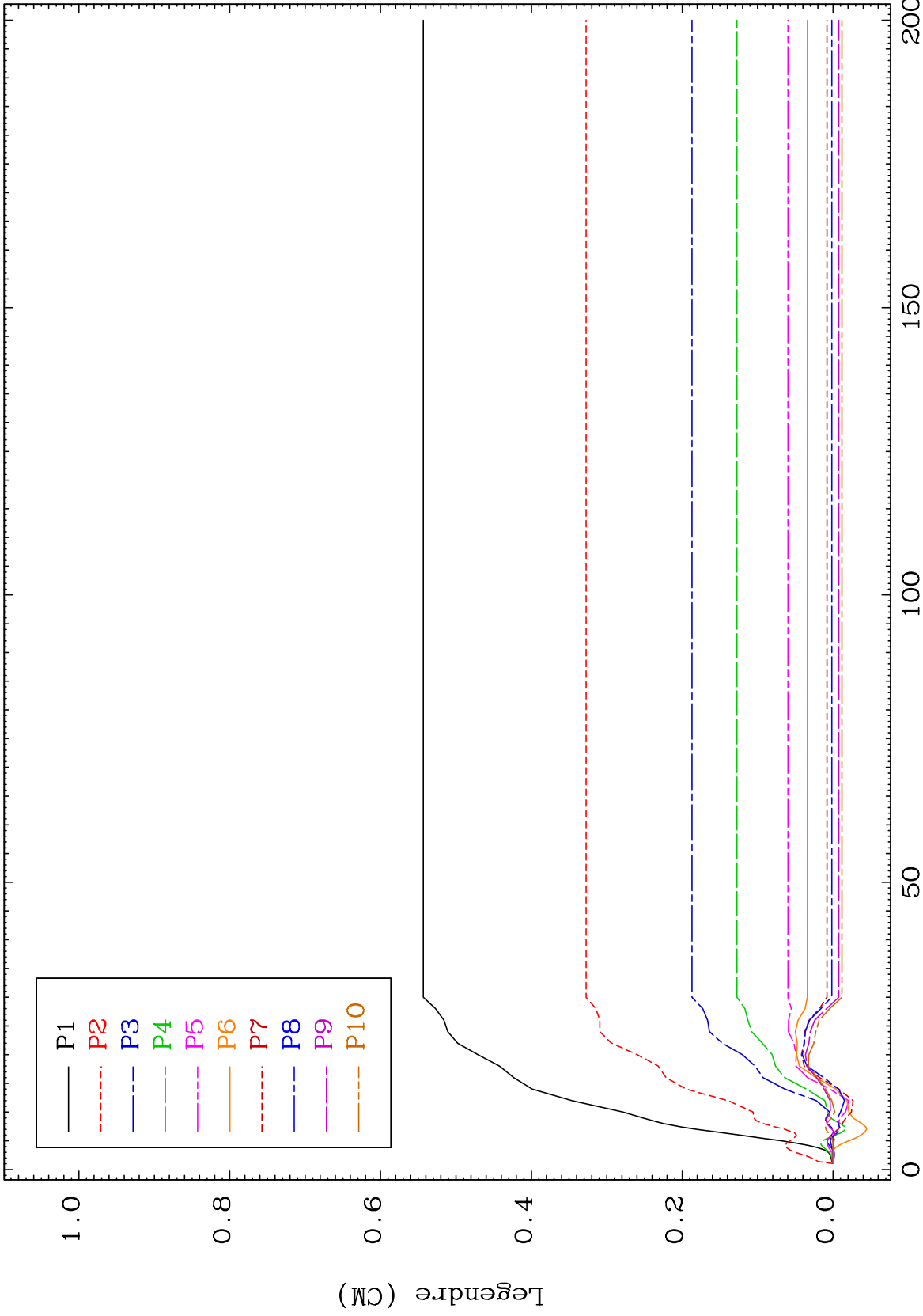


73 80-Hg-201

MAT 8040

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

80-Hg-201

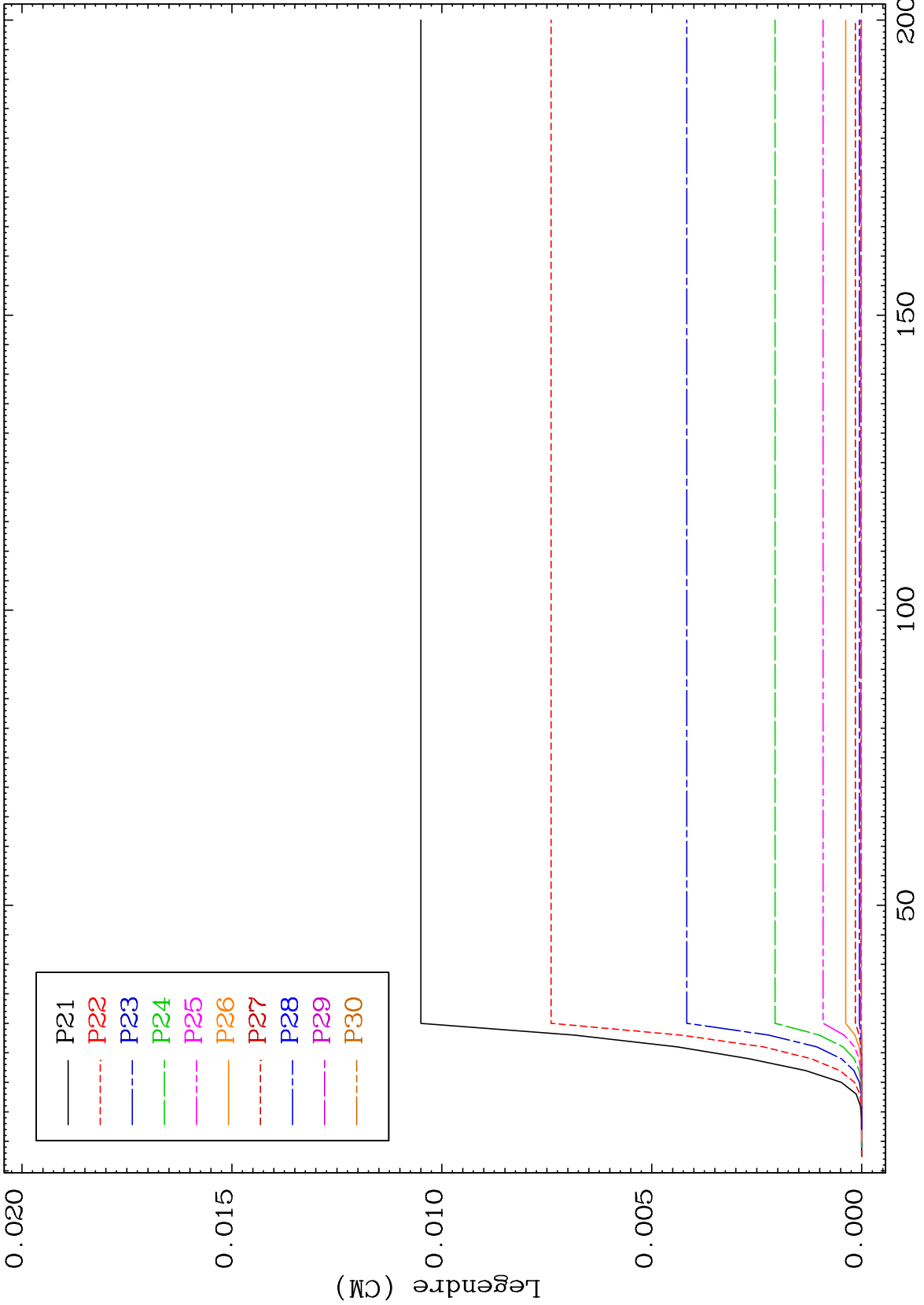


74

80-Hg-201



MAT 8040 MT= 65 (n,n') Level Legendre Coefficients 80-Hg-201

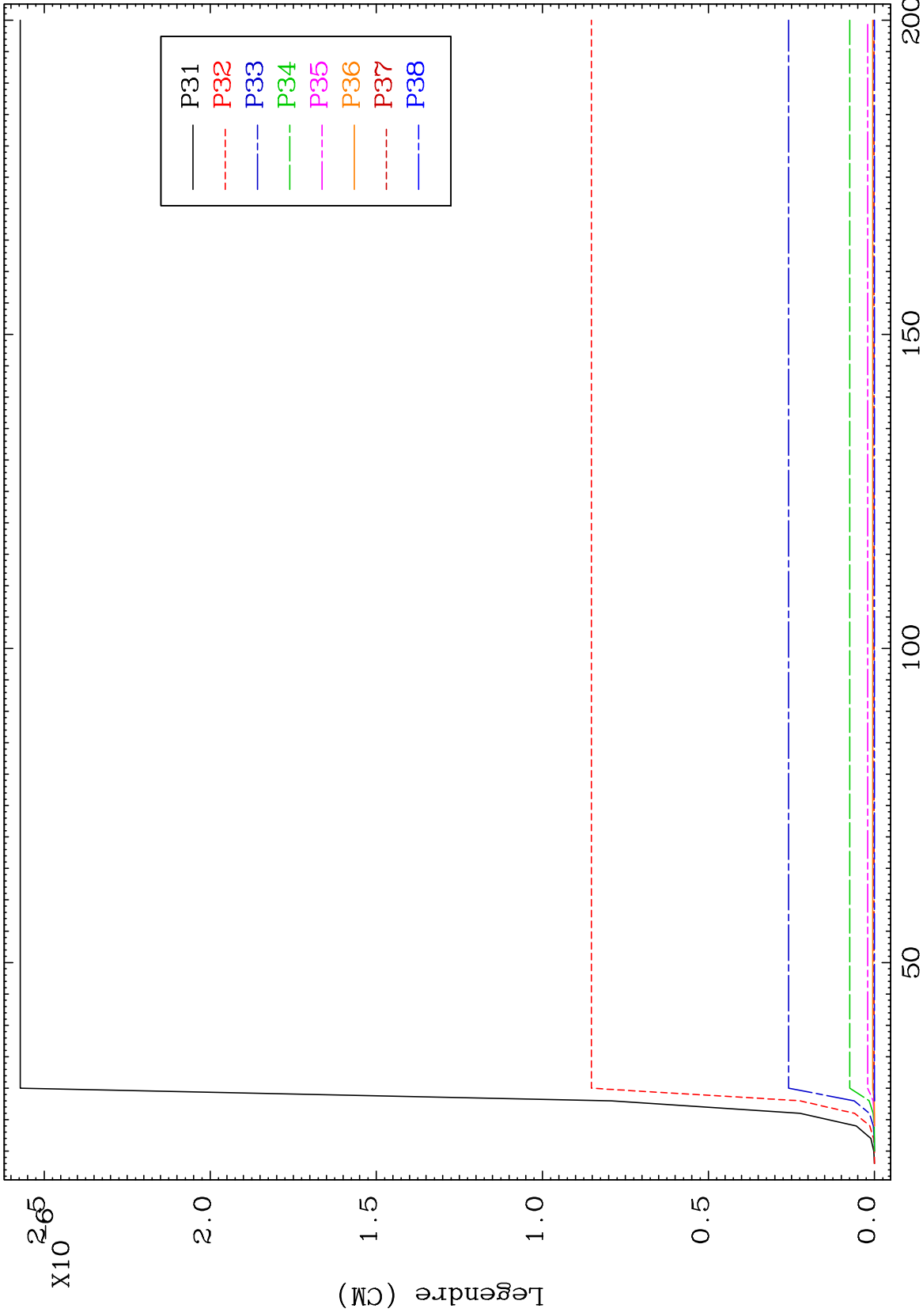


76 Incident Energy (MeV) 80-Hg-201

MAT 8040

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

80-Hg-201



77

Incident Energy (MeV)

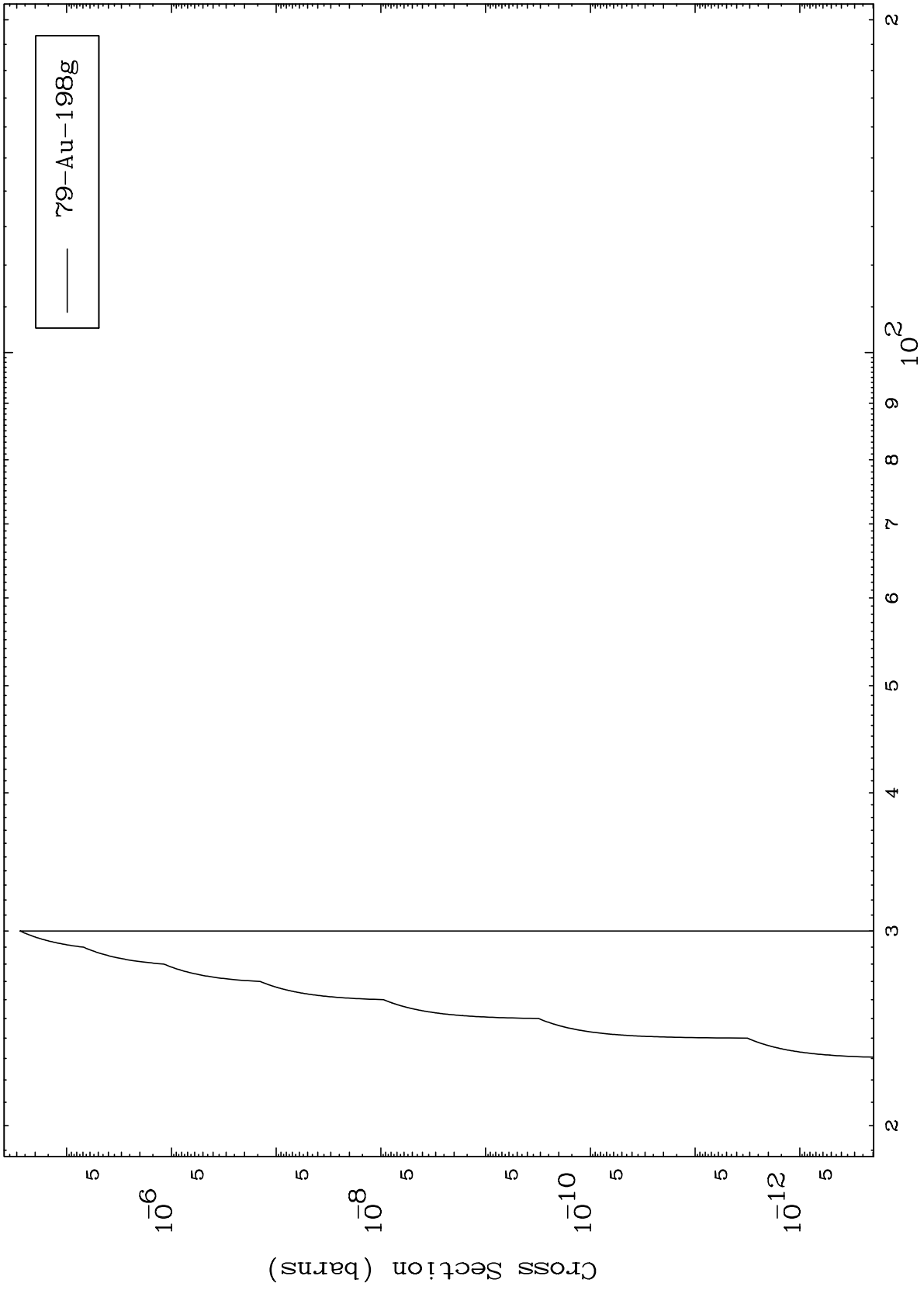
80-Hg-201

MAT 8040

(n,2n) d

80-Hg-201

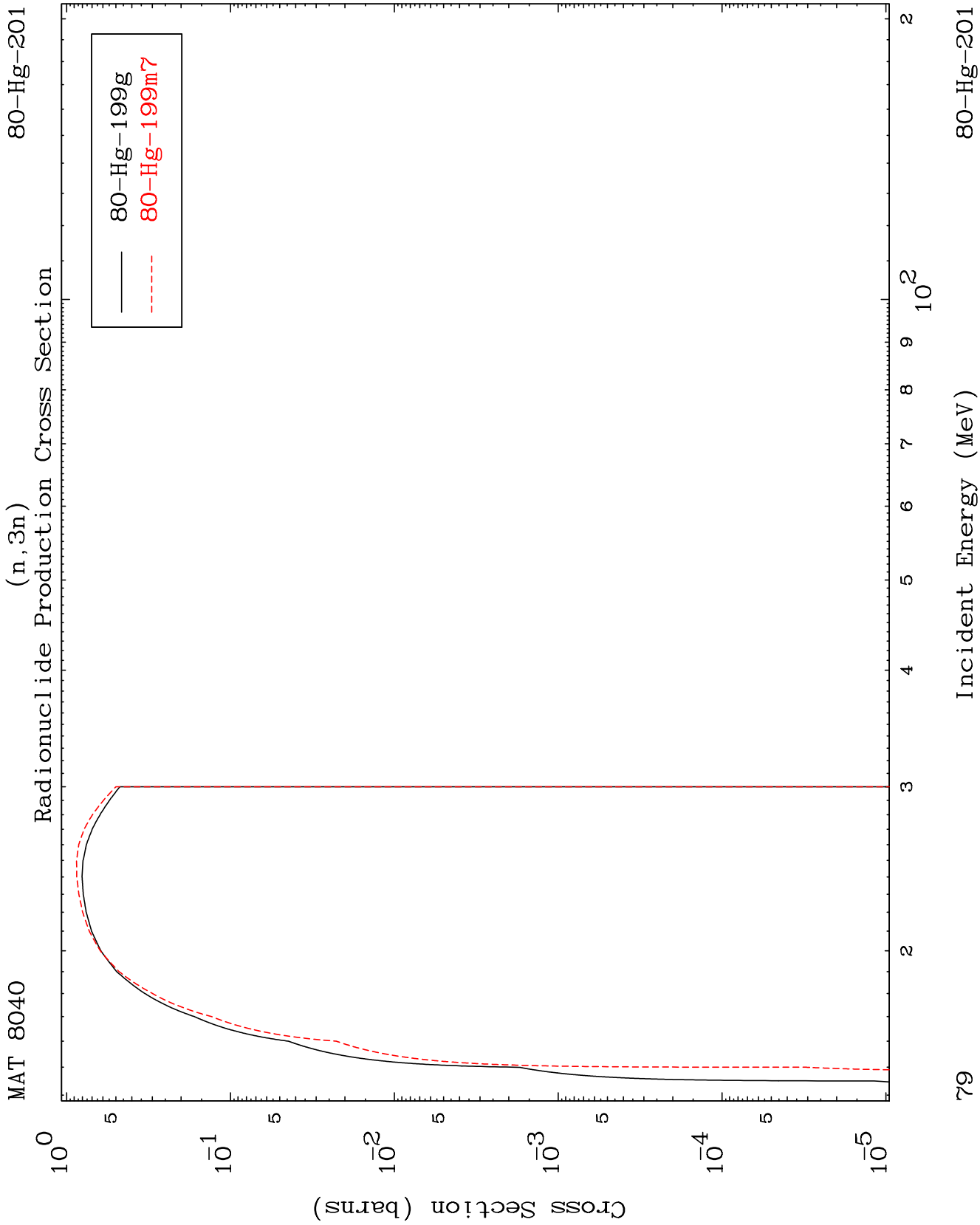
Radionuclide Production Cross Section



78

Incident Energy (MeV)

80-Hg-201

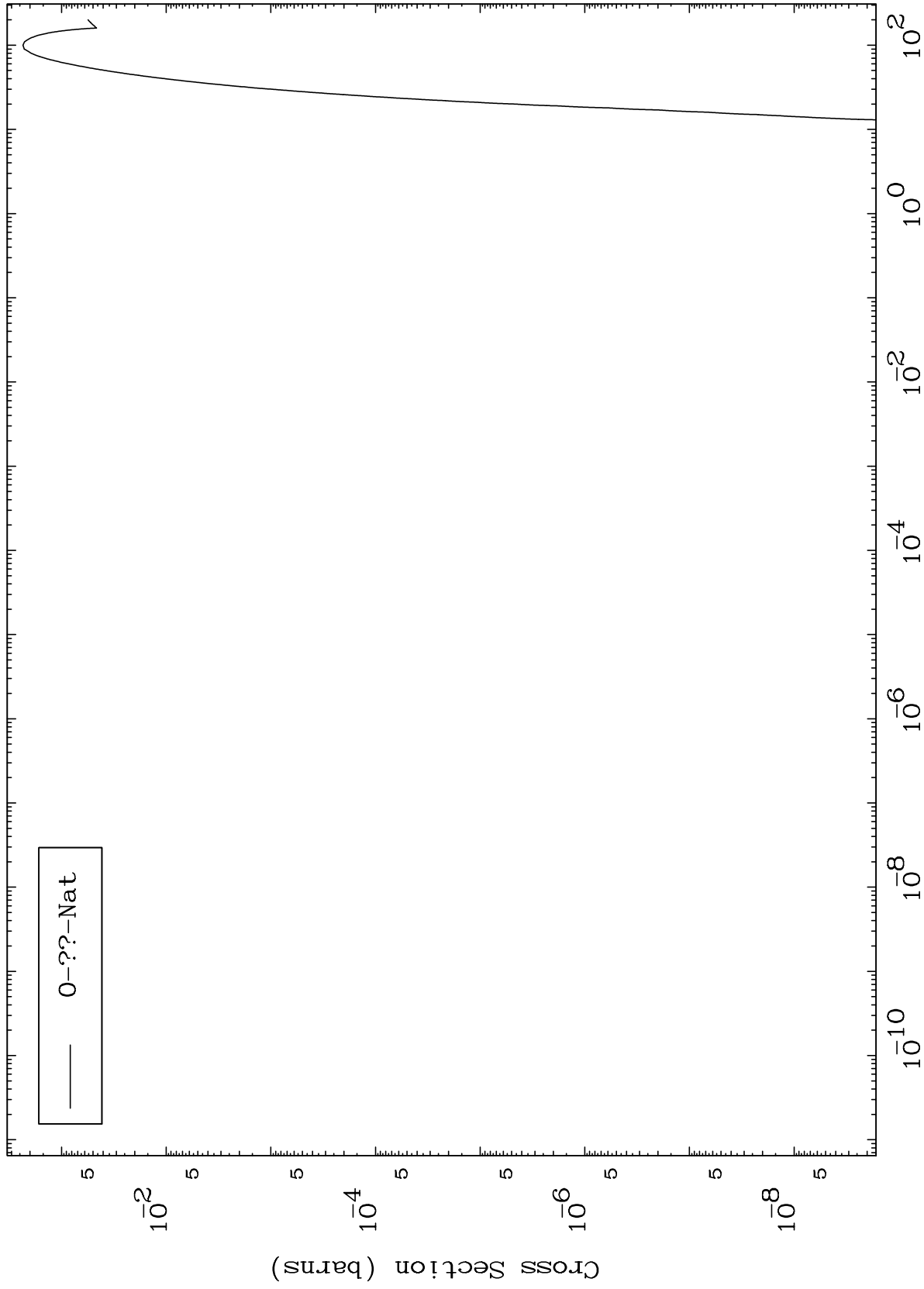




MAT 8040

Fission  
Radionuclide Production Cross Section

80-Hg-201



80

80-Hg-201

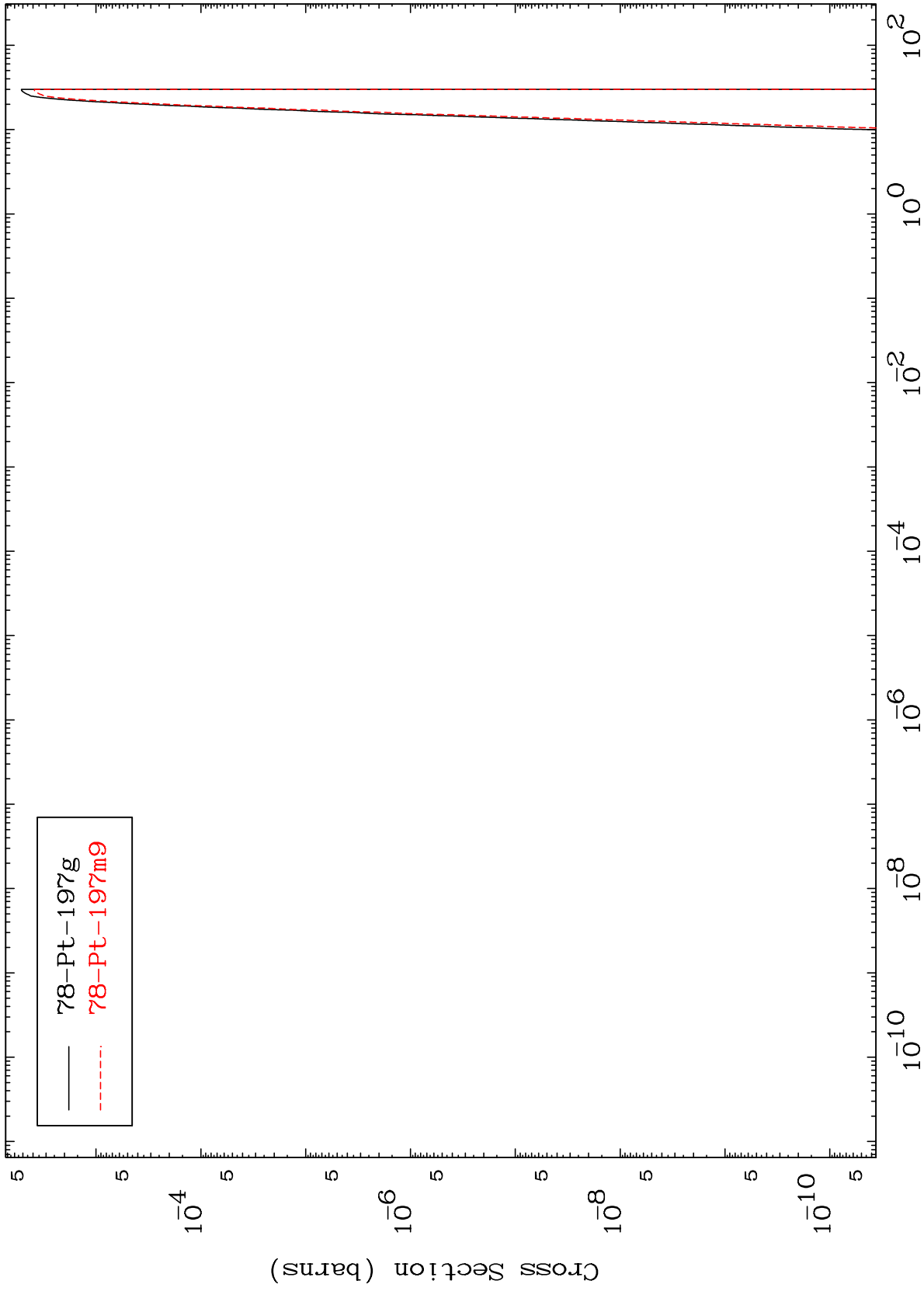
Incident Energy (MeV)

MAT 8040

(n,n')  $\alpha$

80-Hg-201

Radionuclide Production Cross Section



81

Incident Energy (MeV)

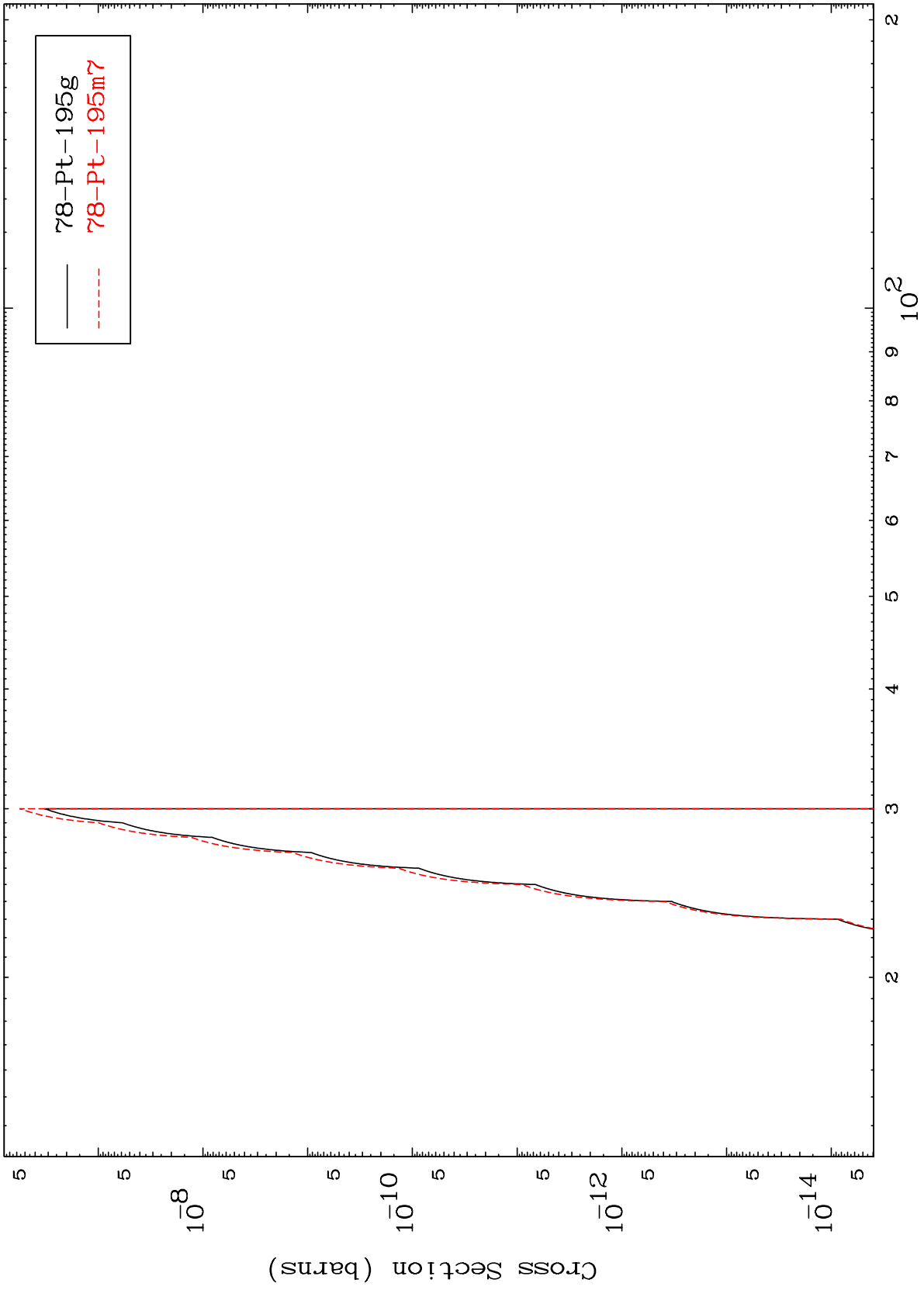
80-Hg-201

MAT 8040

(n,3n)  $\alpha$

80-Hg-201

Radionuclide Production Cross Section



82

Incident Energy (MeV)

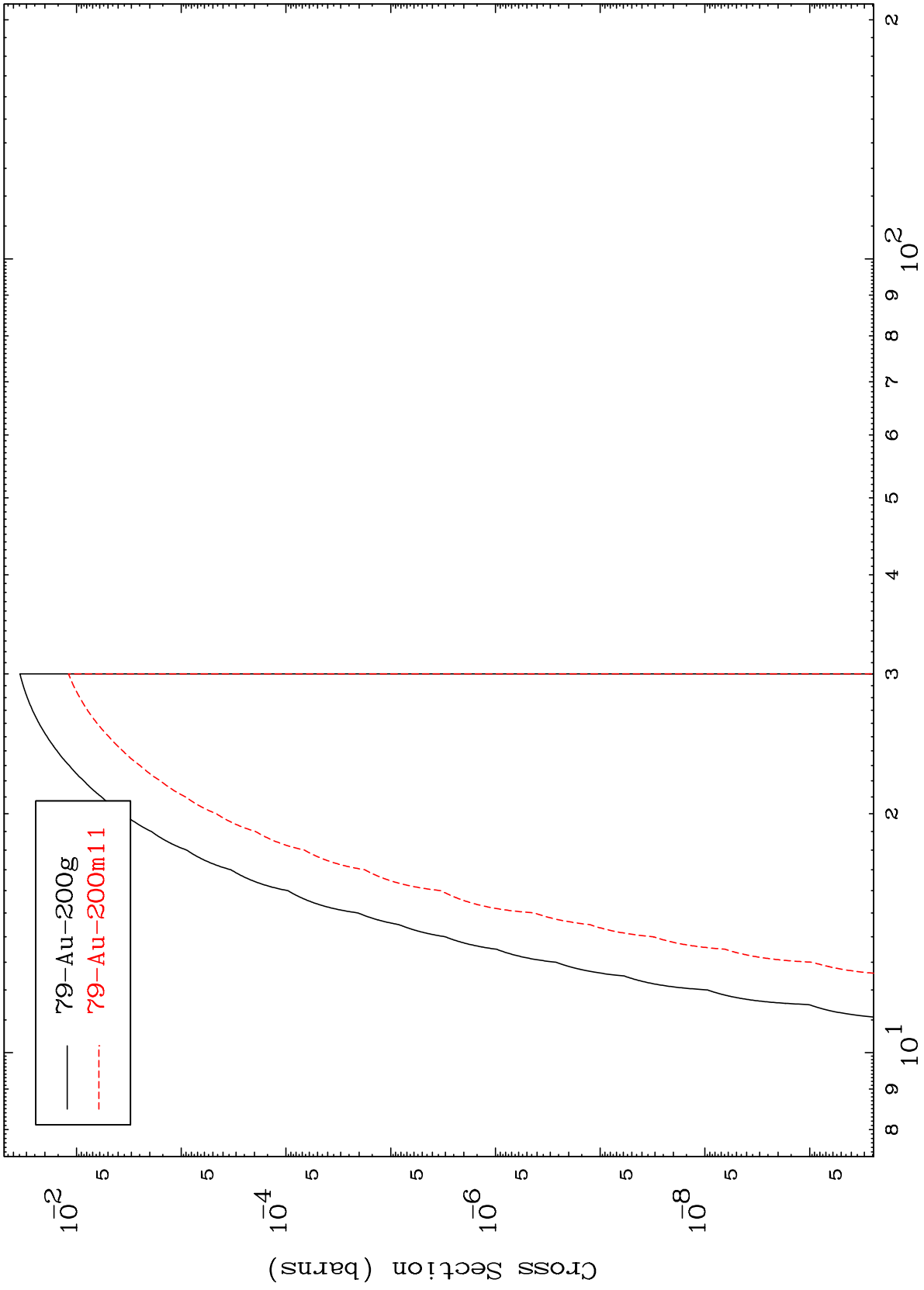
80-Hg-201

MAT 8040

(n,n') p

80-Hg-201

Radionuclide Production Cross Section

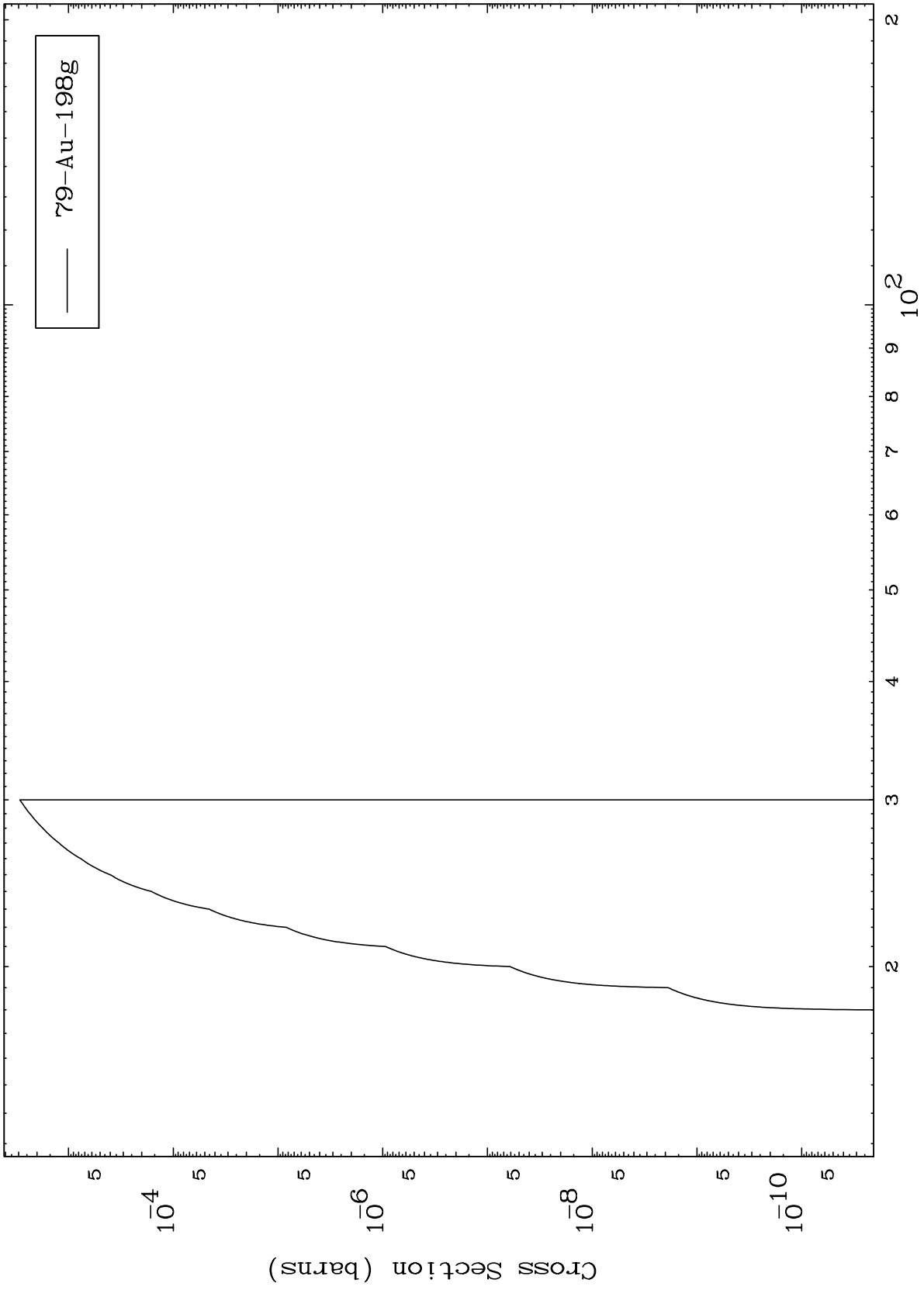


MAT 8040

(n,n') t

80-Hg-201

Radionuclide Production Cross Section



84

Incident Energy (MeV)

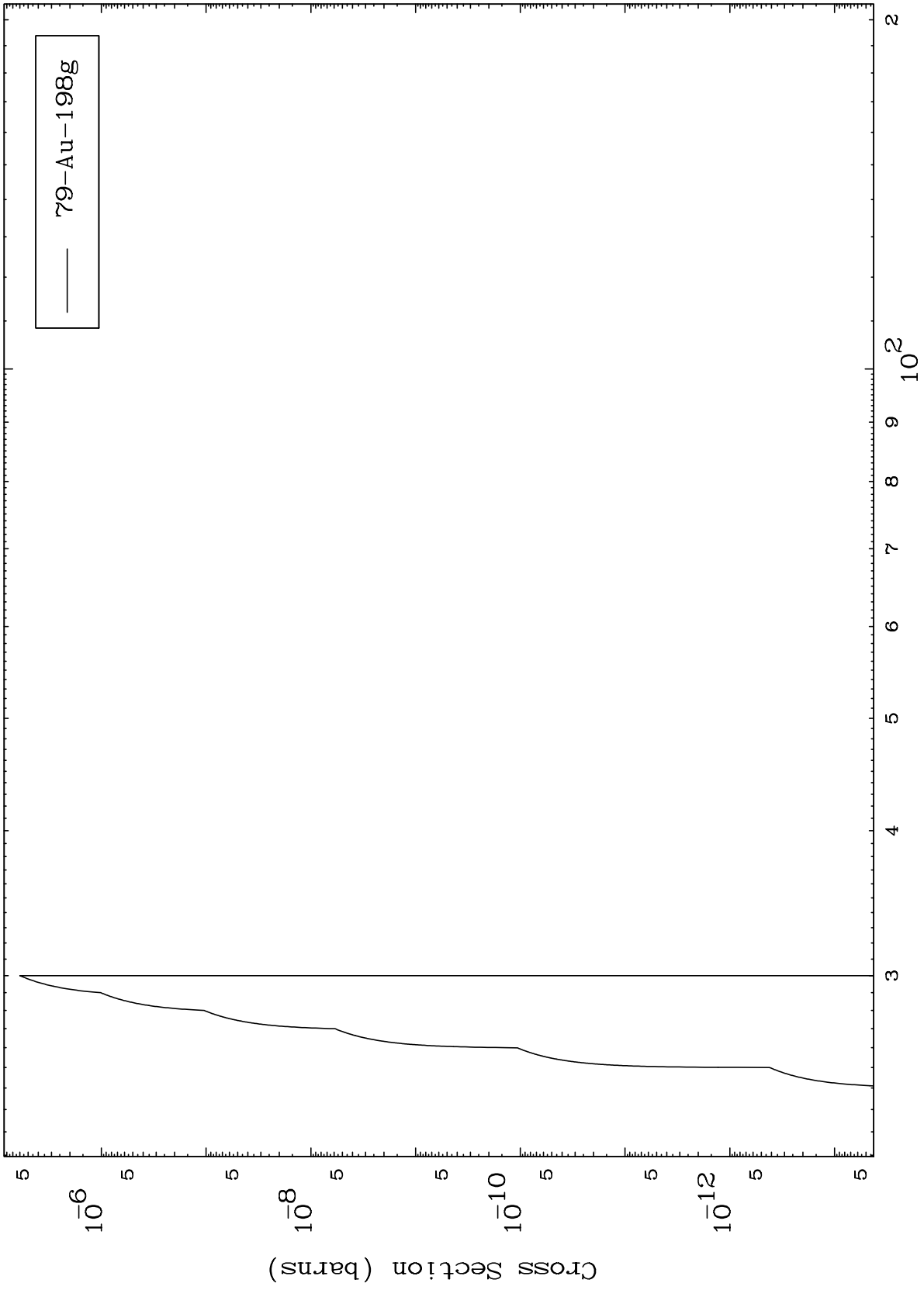
80-Hg-201

MAT 8040

(n,3n) p

80-Hg-201

Radionuclide Production Cross Section



79-Au-198g

85

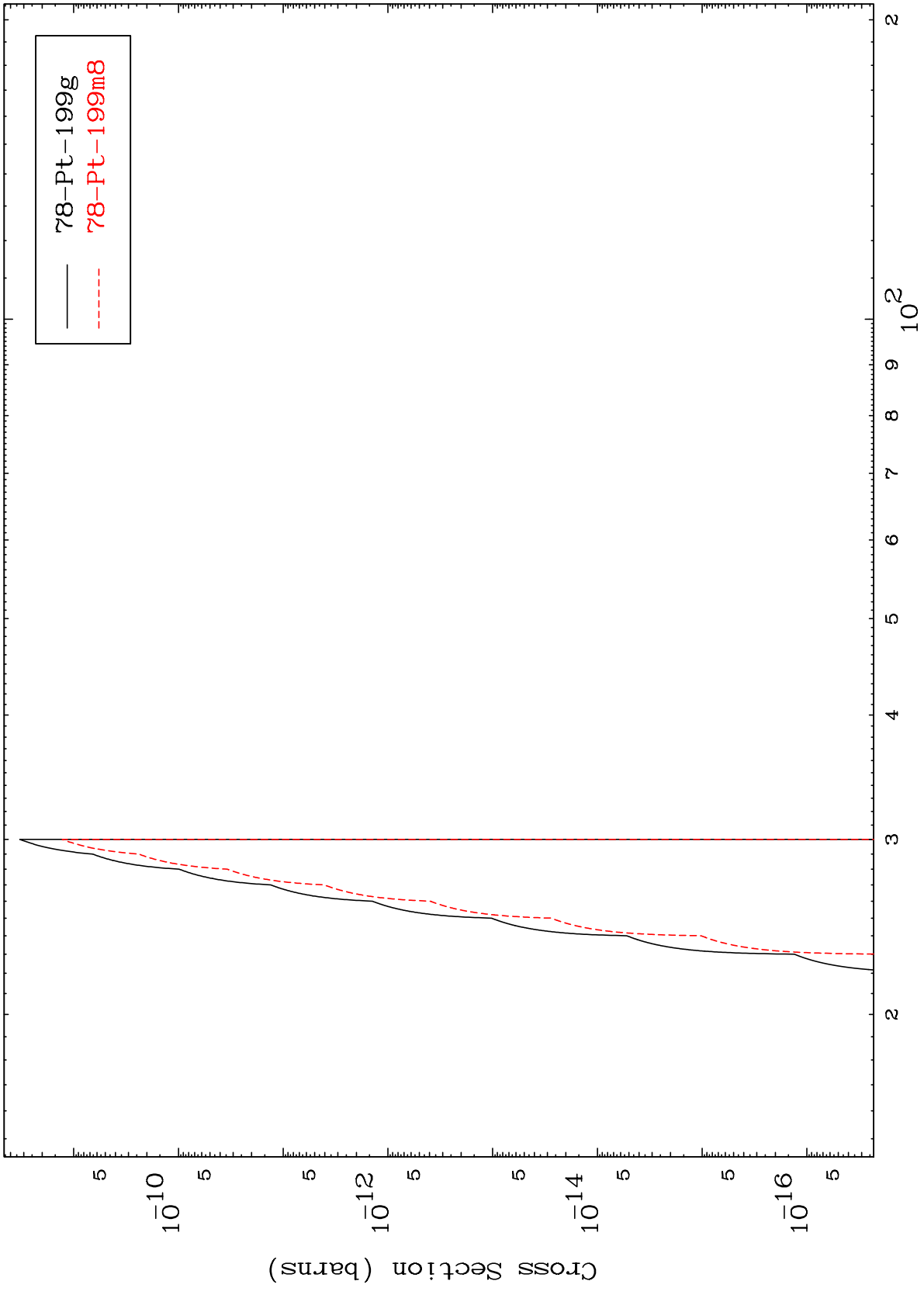
Incident Energy (MeV)

80-Hg-201

MAT 8040

80-Hg-201

(n,2n) p  
Radionuclide Production Cross Section

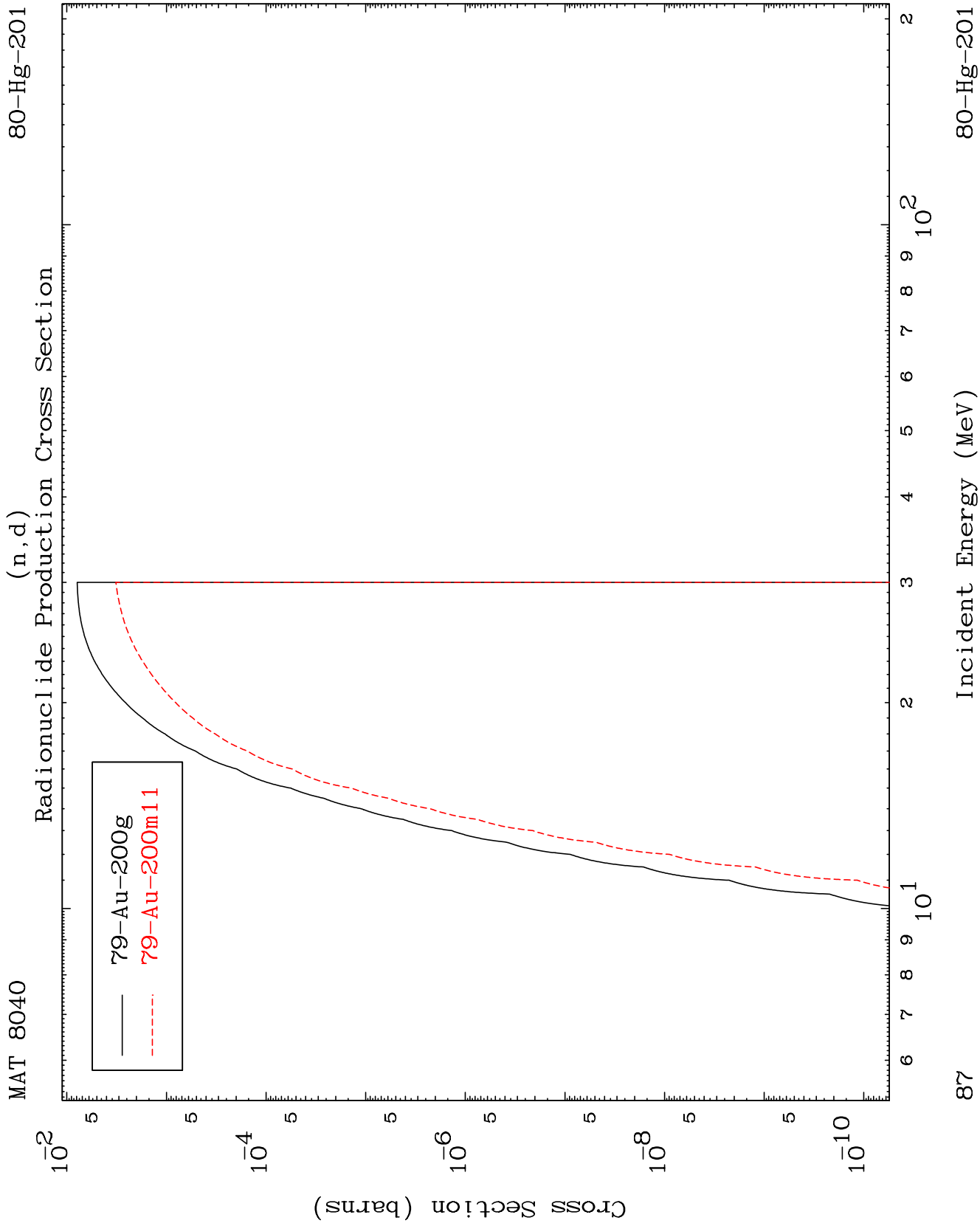


78-Pt-199g  
78-Pt-199m8

86

80-Hg-201

Incident Energy (MeV)



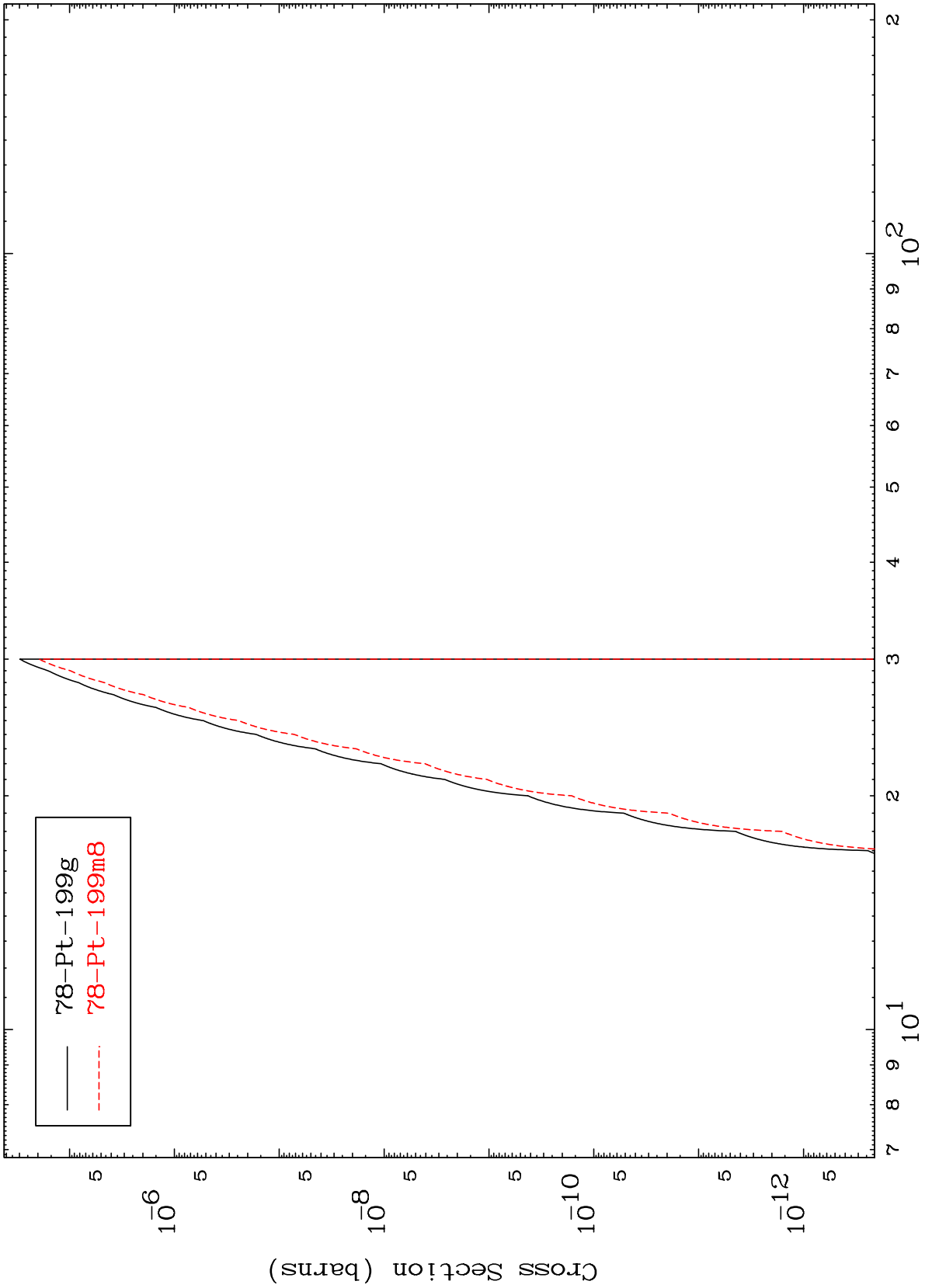


MAT 8040

(n,He-3)

80-Hg-201

Radionuclide Production Cross Section



78-Pt-199g  
78-Pt-199m8

88

Incident Energy (MeV)

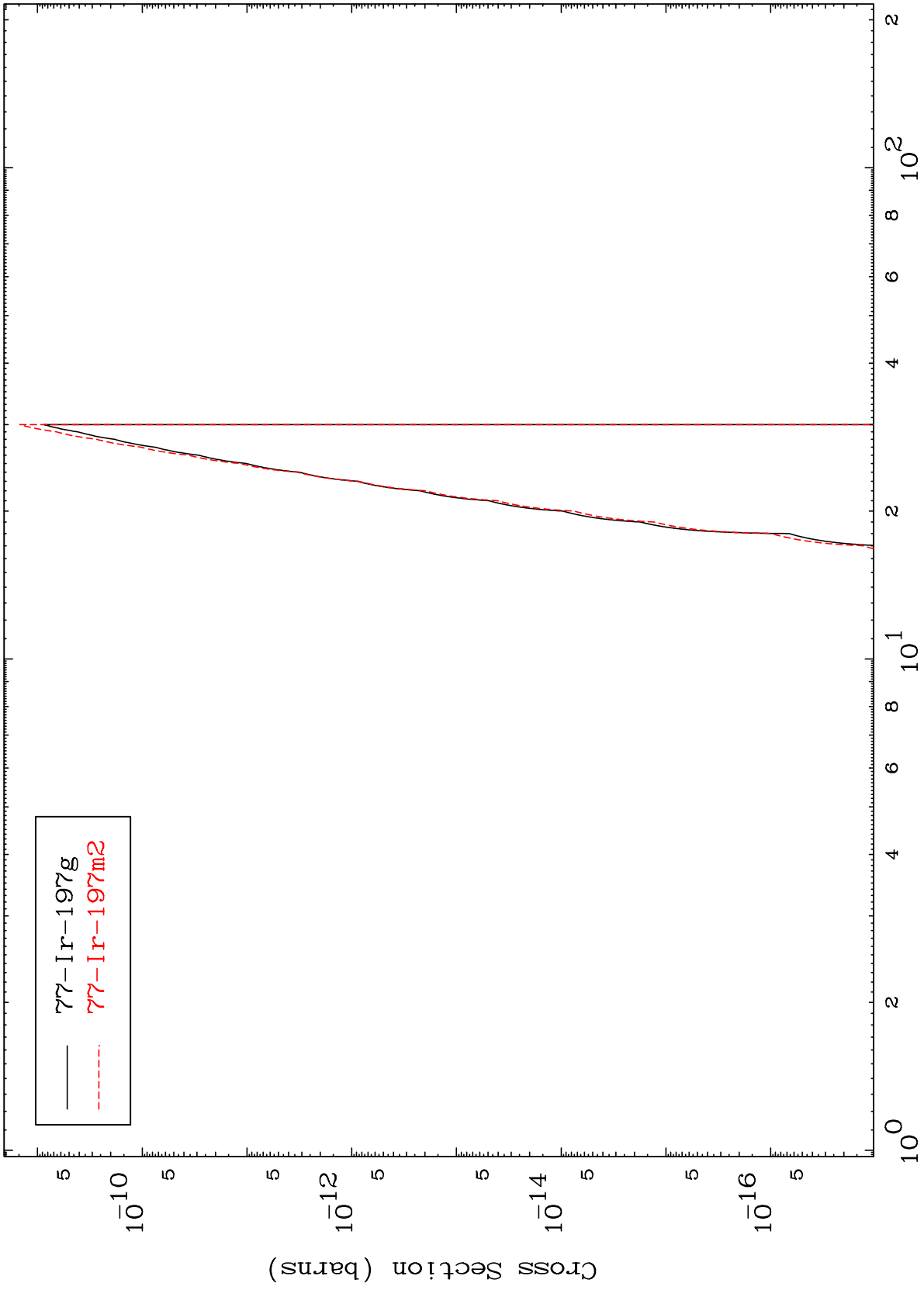
80-Hg-201

MAT 8040

(n,p)  $\alpha$

80-Hg-201

Radionuclide Production Cross Section



89

Incident Energy (MeV)

80-Hg-201