

Program EVALPLOT
(Version 2021-1)

by

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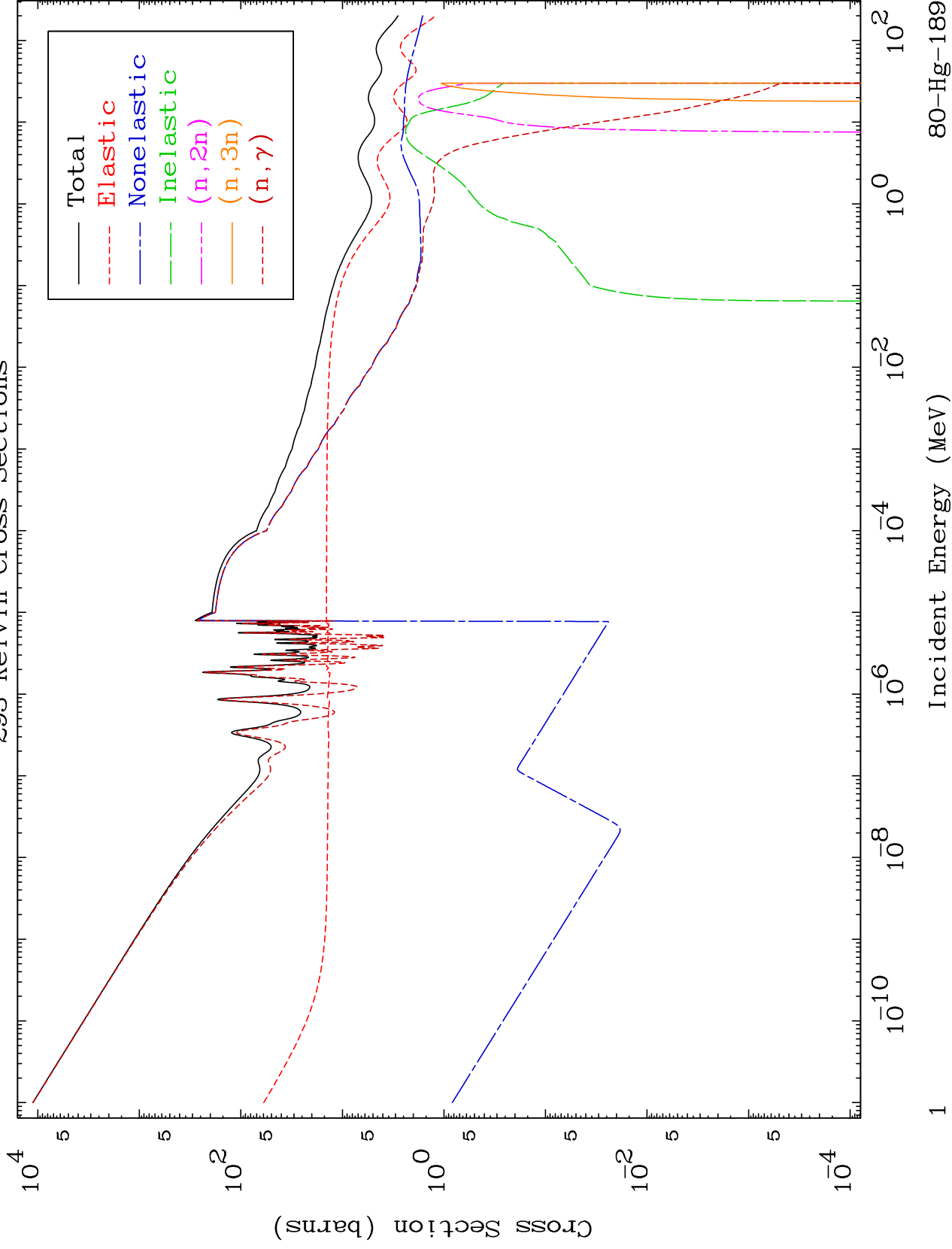
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8004

Neutron Major
293 Kelvin Cross Sections

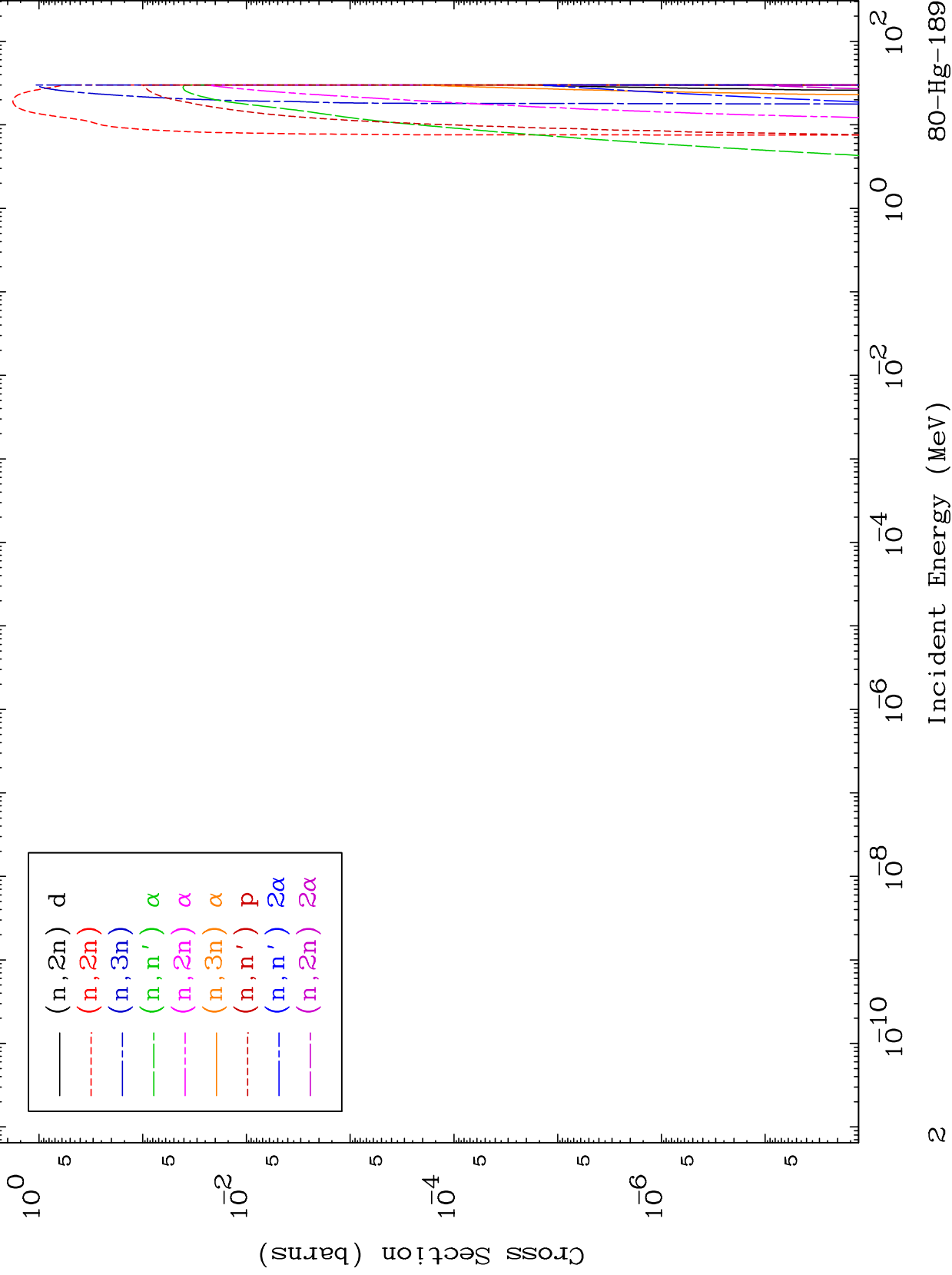
80-Hg-189

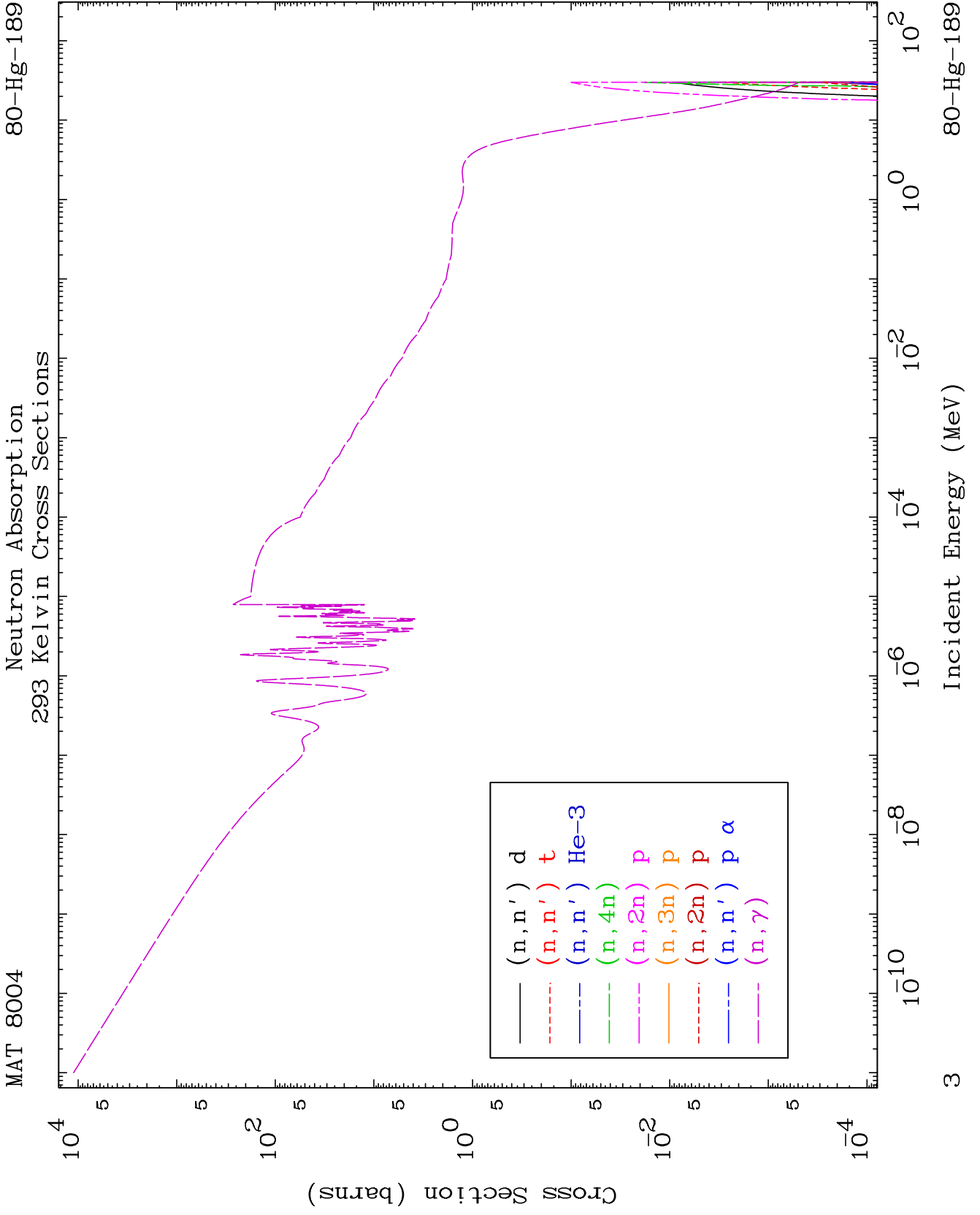


MAT 8004

Neutron Absorption
293 Kelvin Cross Sections

80-Hg-189

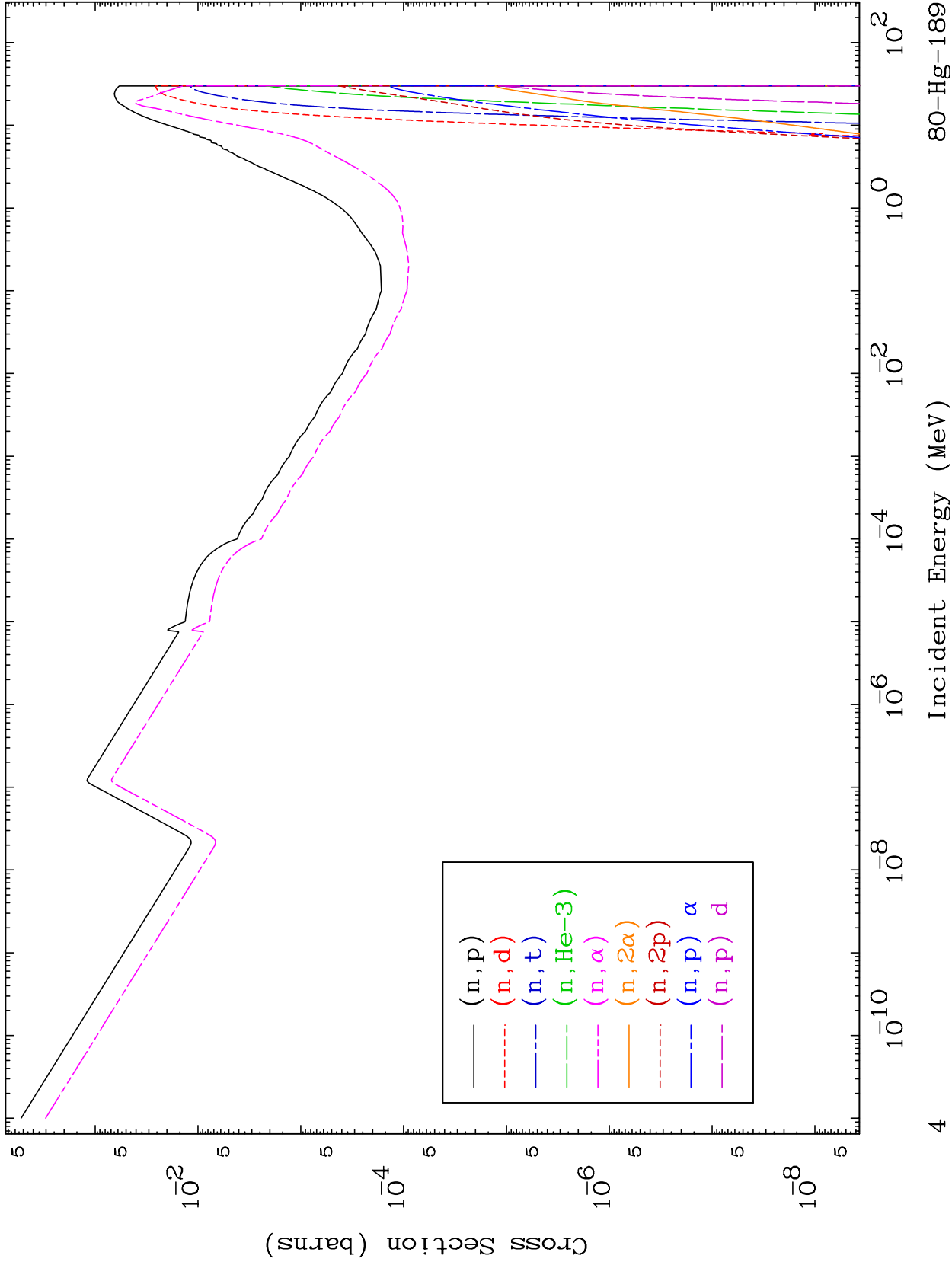




MAT 8004

Neutron Absorption
293 Kelvin Cross Sections

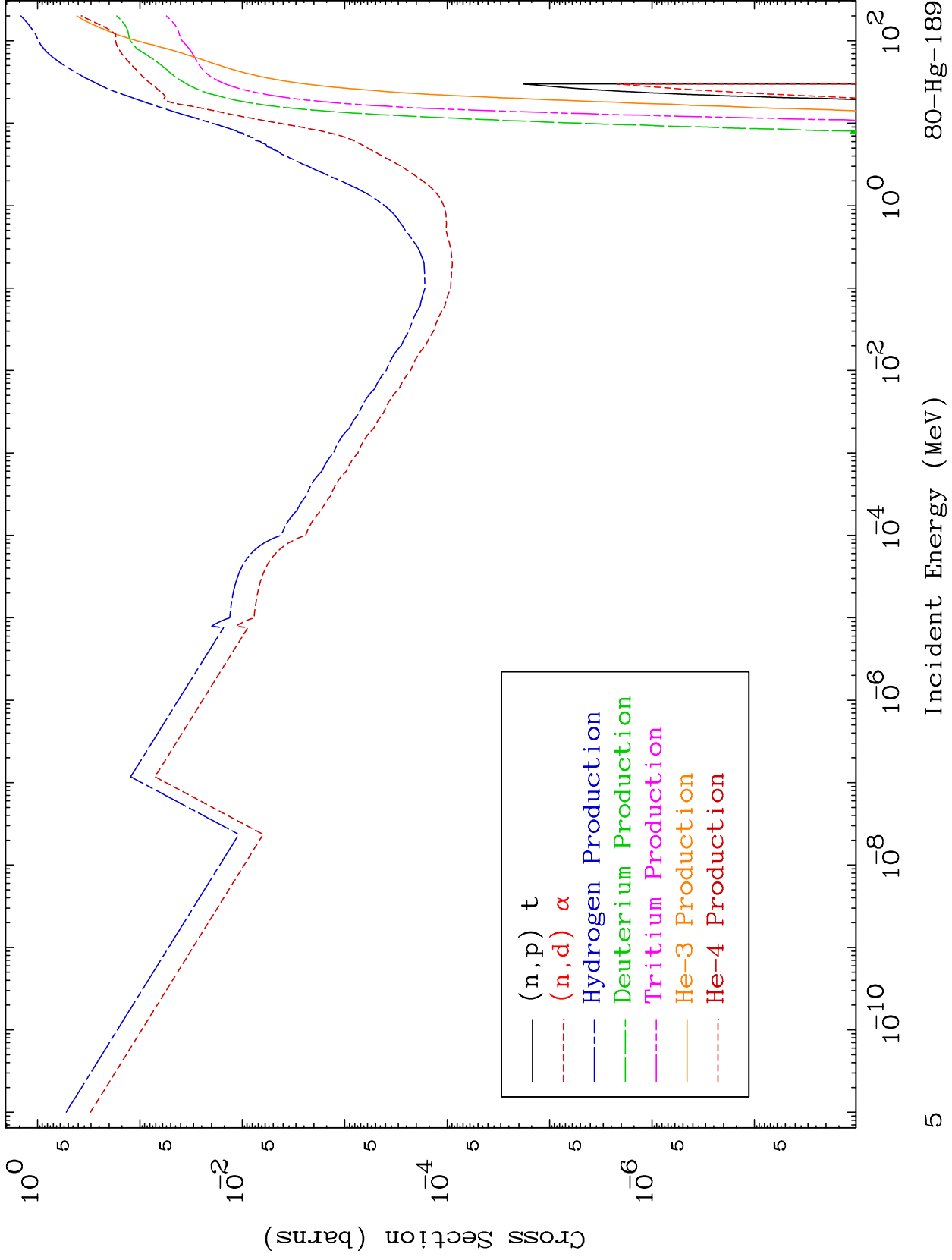
80-Hg-189



MAT 8004

Neutron Absorption
293 Kelvin Cross Sections

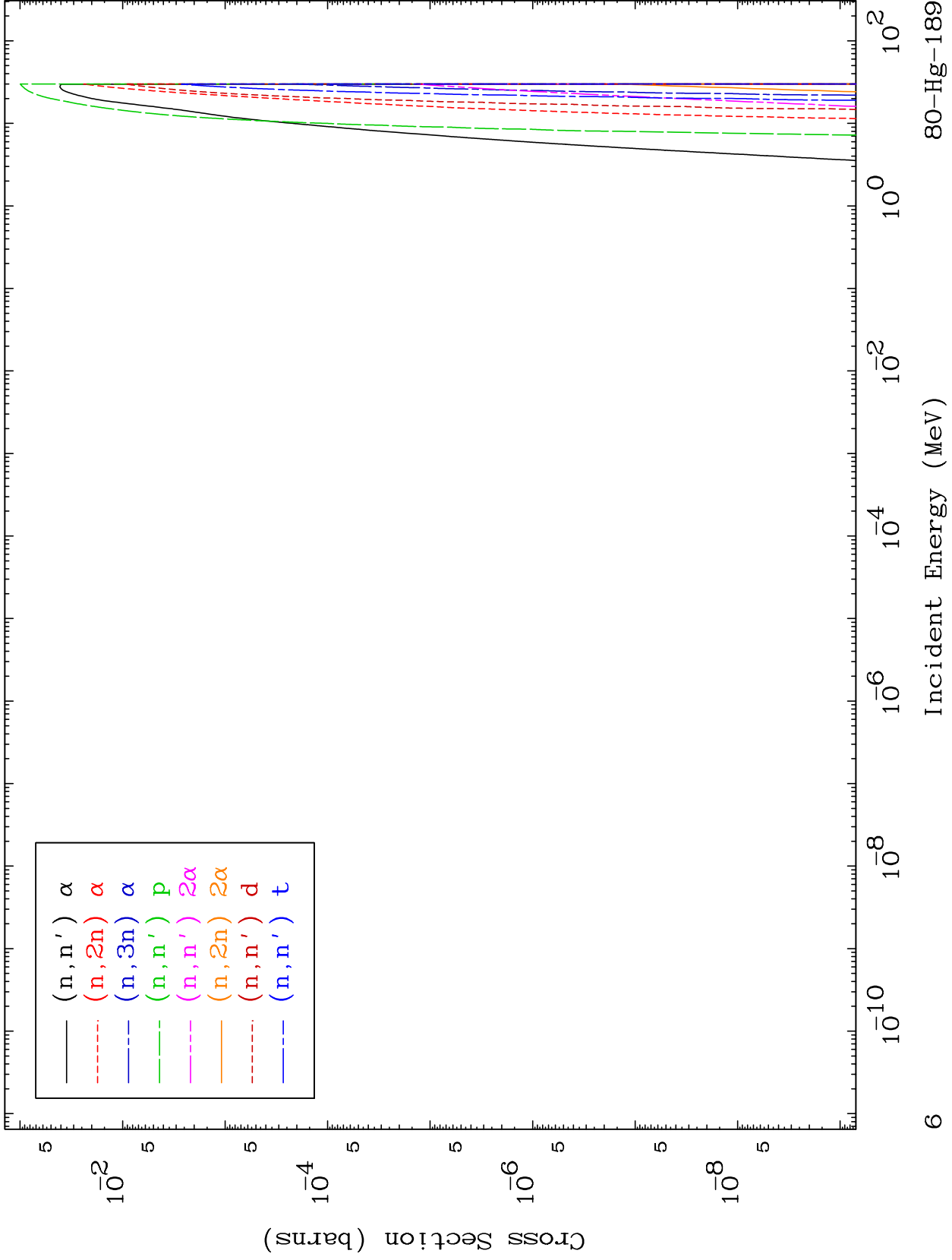
80-Hg-189

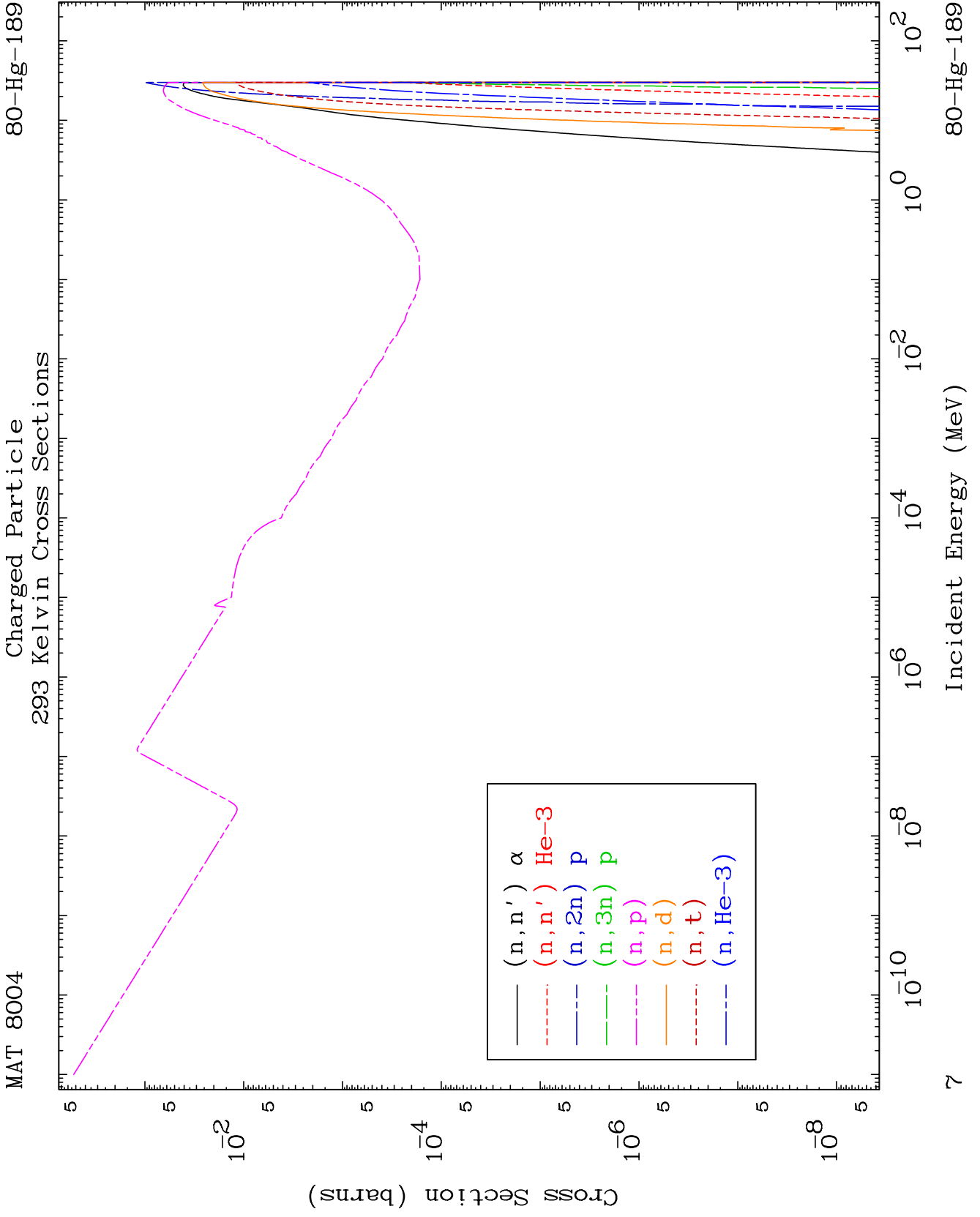


MAT 8004

Charged Particle
293 Kelvin Cross Sections

80-Hg-189

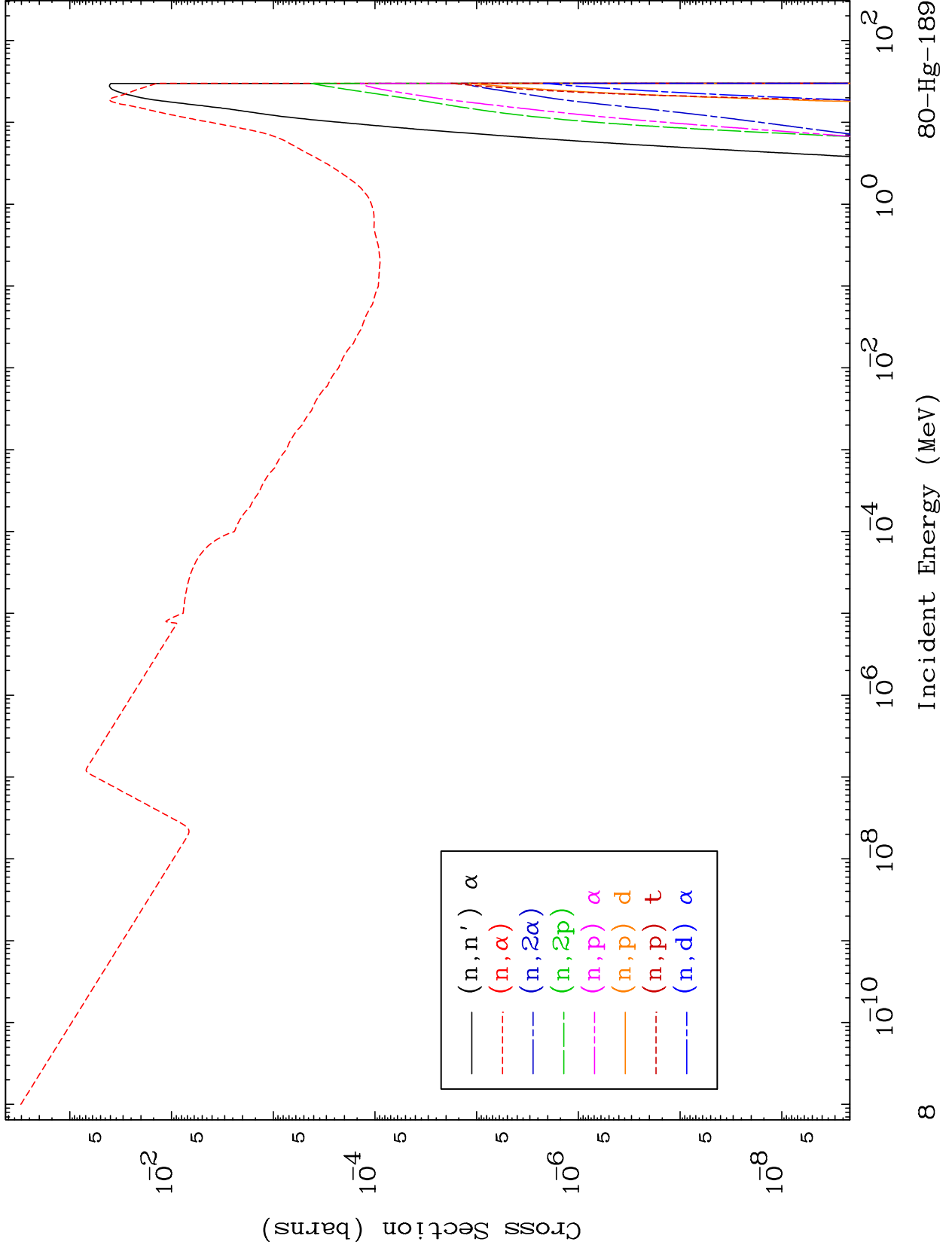




MAT 8004

Charged Particle
293 Kelvin Cross Sections

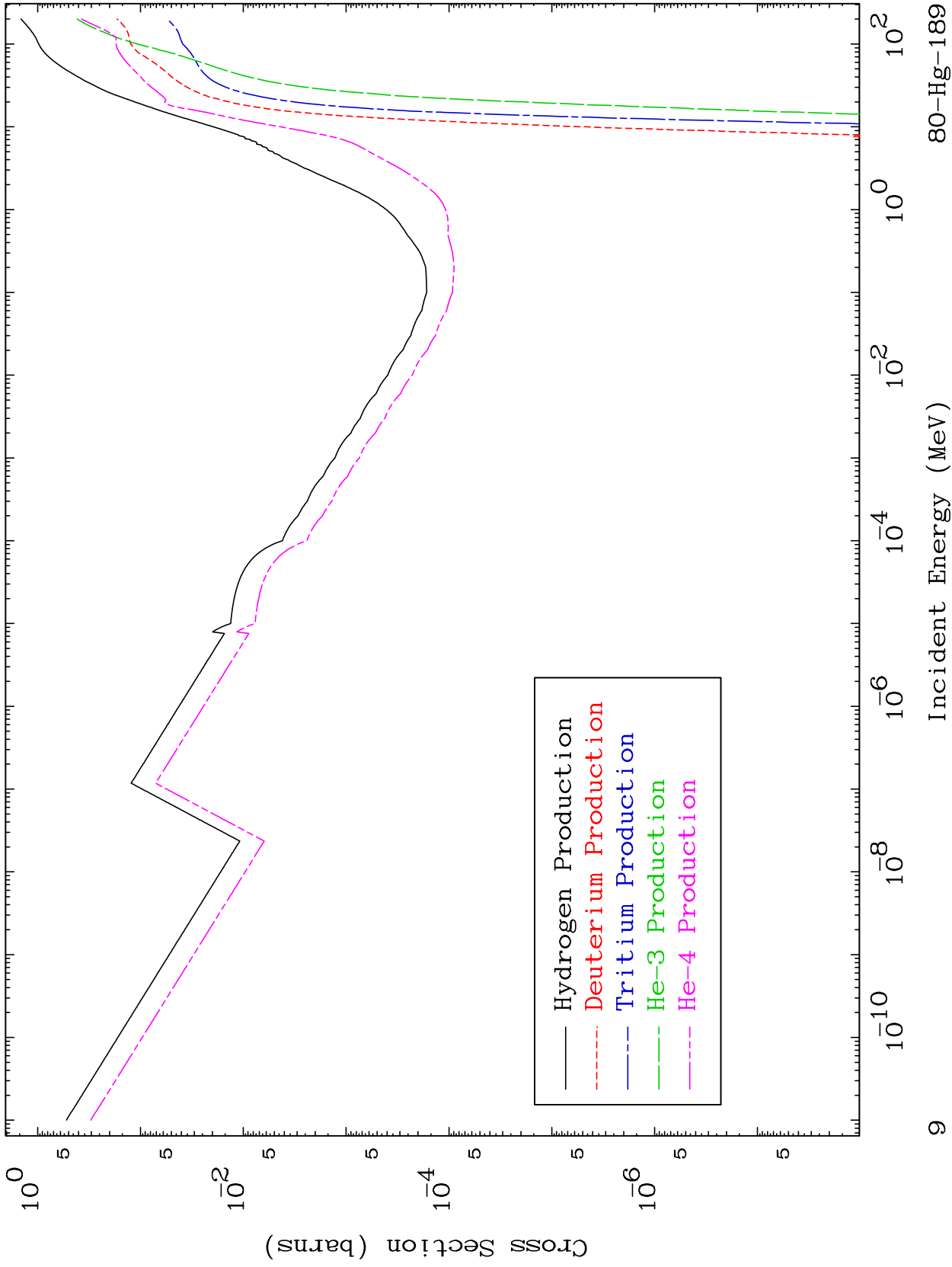
80-Hg-189



MAT 8004

Particle Production
293 Kelvin Cross Sections

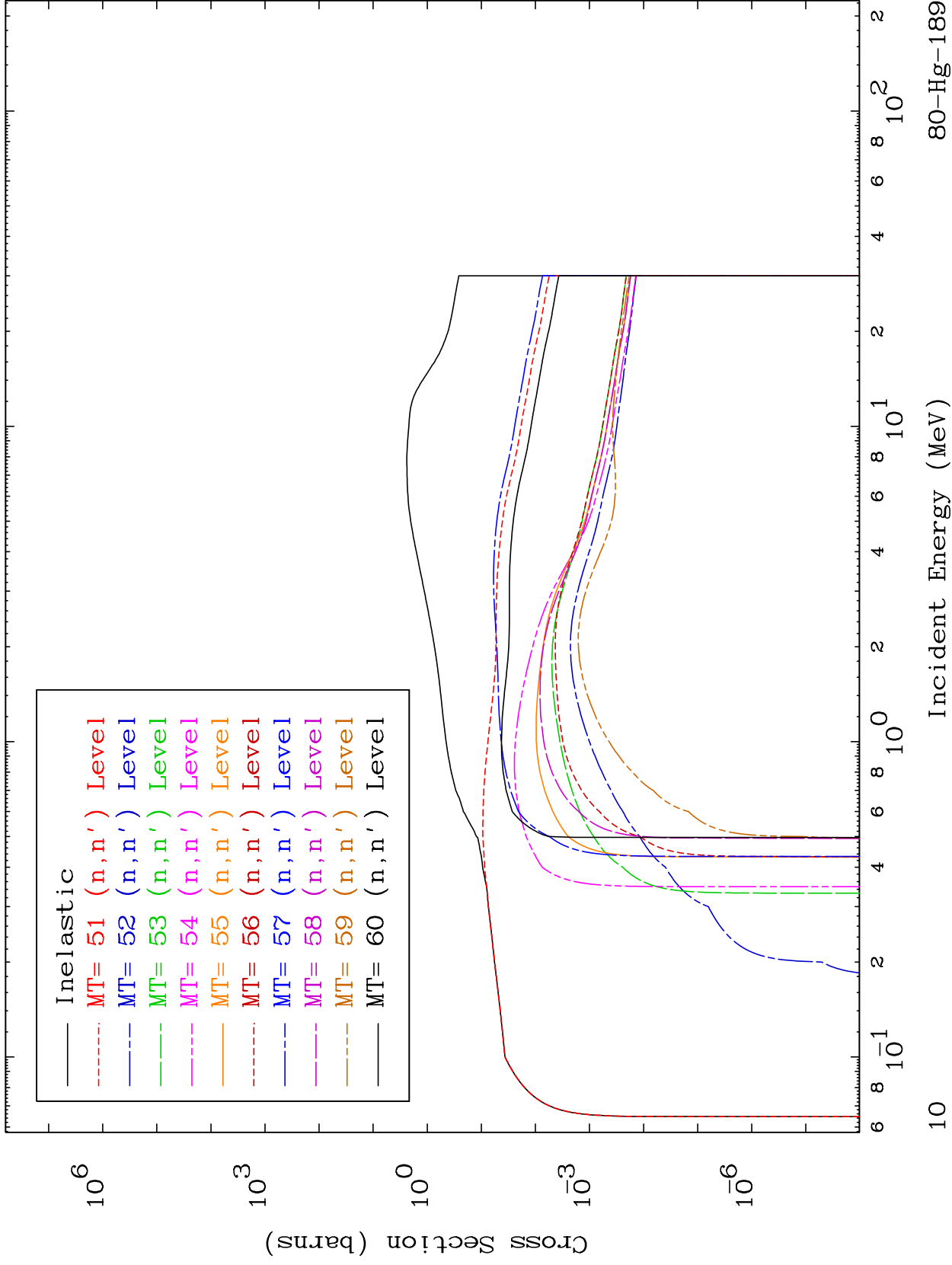
80-Hg-189



MAT 8004

(n,n') Levels
293 Kelvin Cross Sections

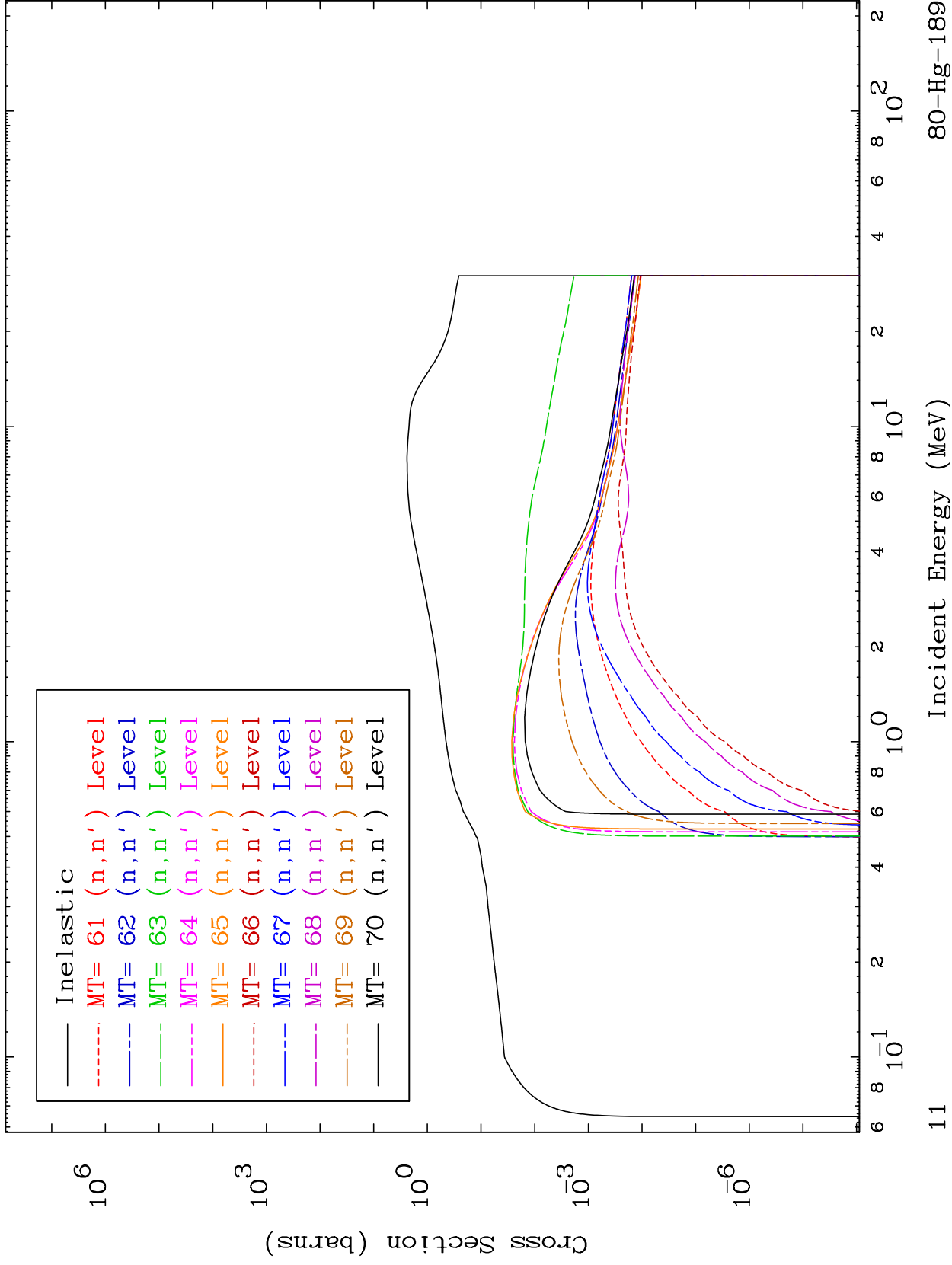
80-Hg-189



MAT 8004

(n,n') Levels
293 Kelvin Cross Sections

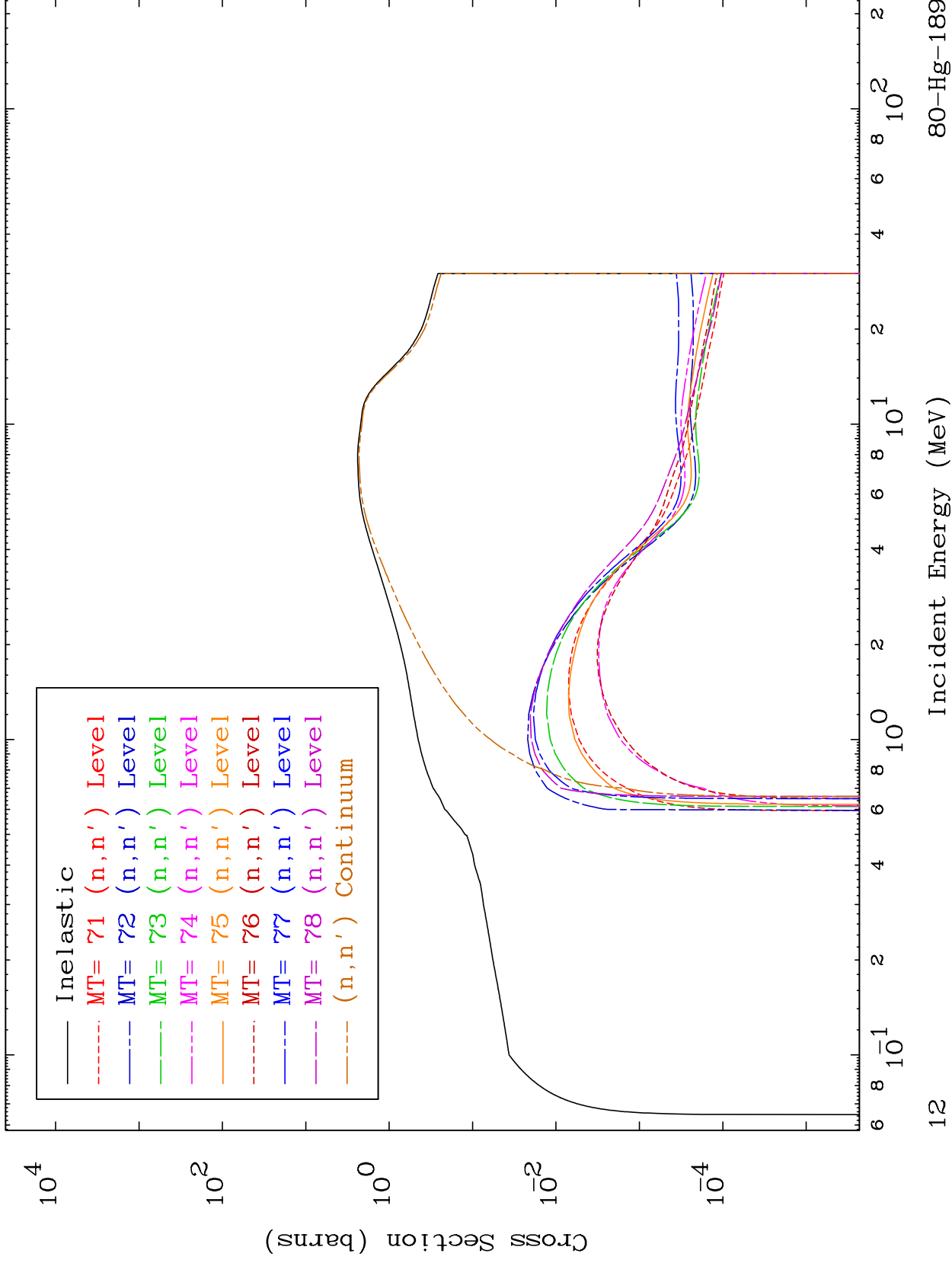
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MAT 8004

(n,n') Levels
293 Kelvin Cross Sections

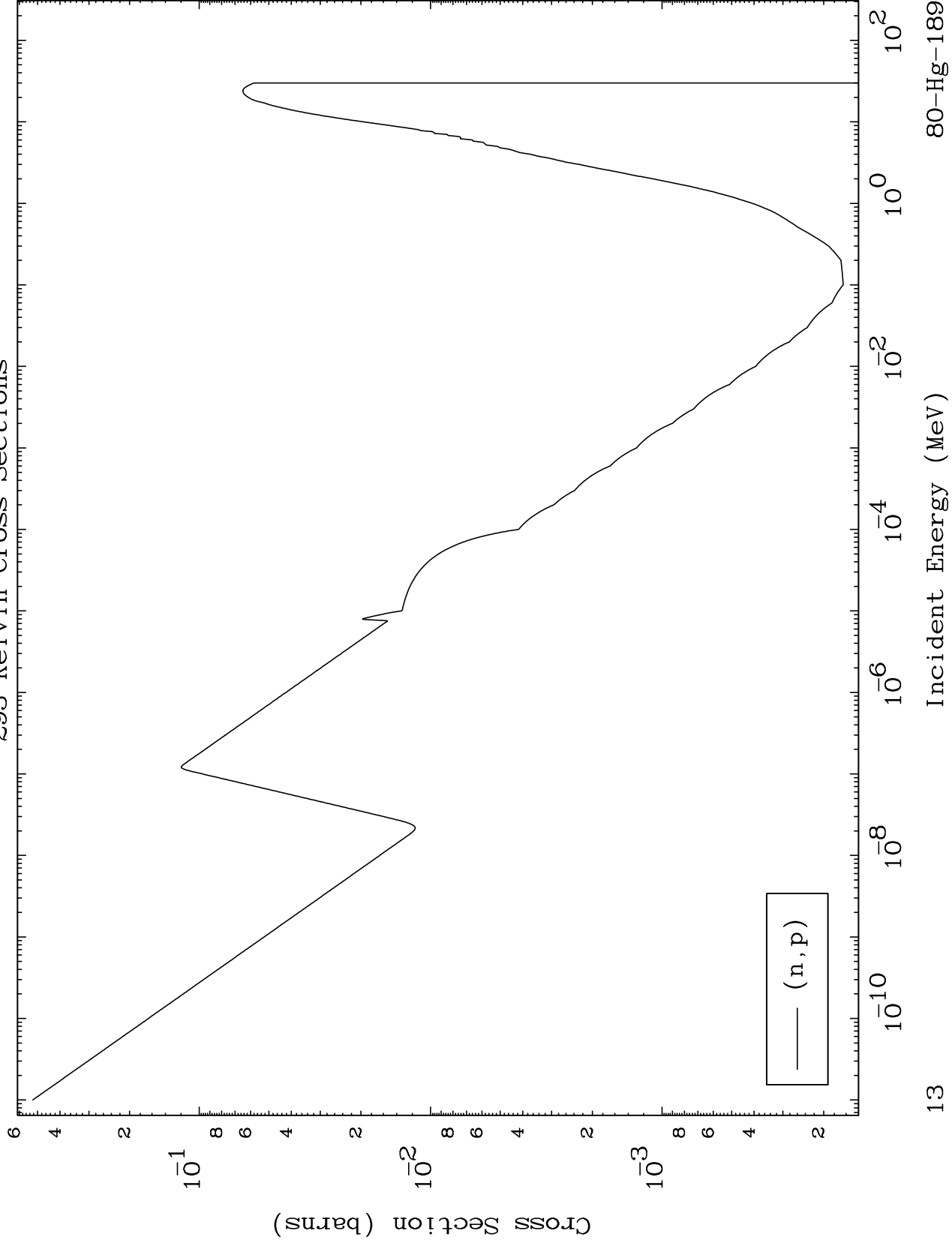
80-Hg-189



MAT 8004

(n,p) Levels
293 Kelvin Cross Sections

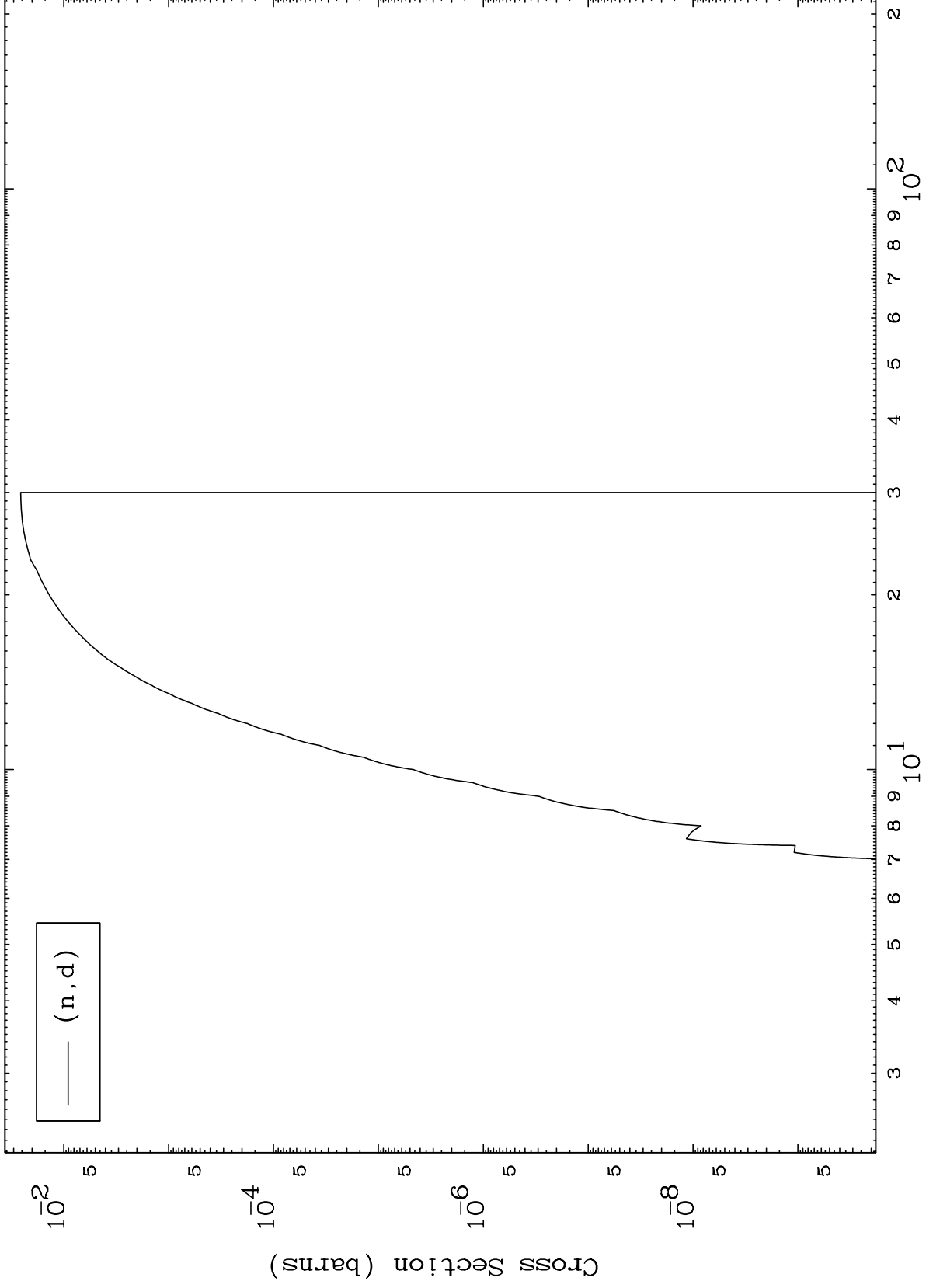
80-Hg-189



MAT 8004

(n,d) Levels
293 Kelvin Cross Sections

80-Hg-189



14

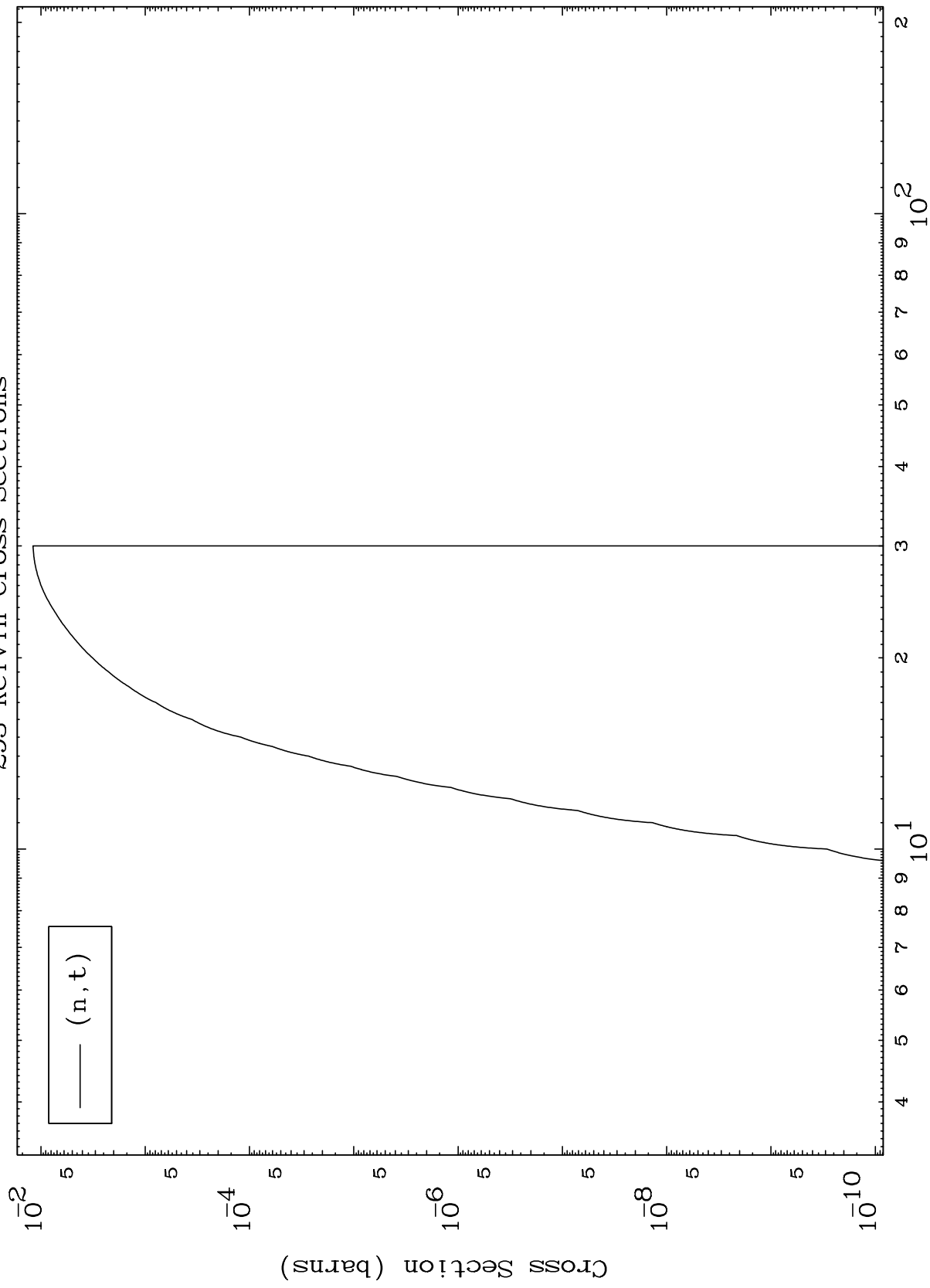
Incident Energy (MeV)

80-Hg-189

MAT 8004

80-Hg-189

(n,t) Levels
293 Kelvin Cross Sections



80-Hg-189

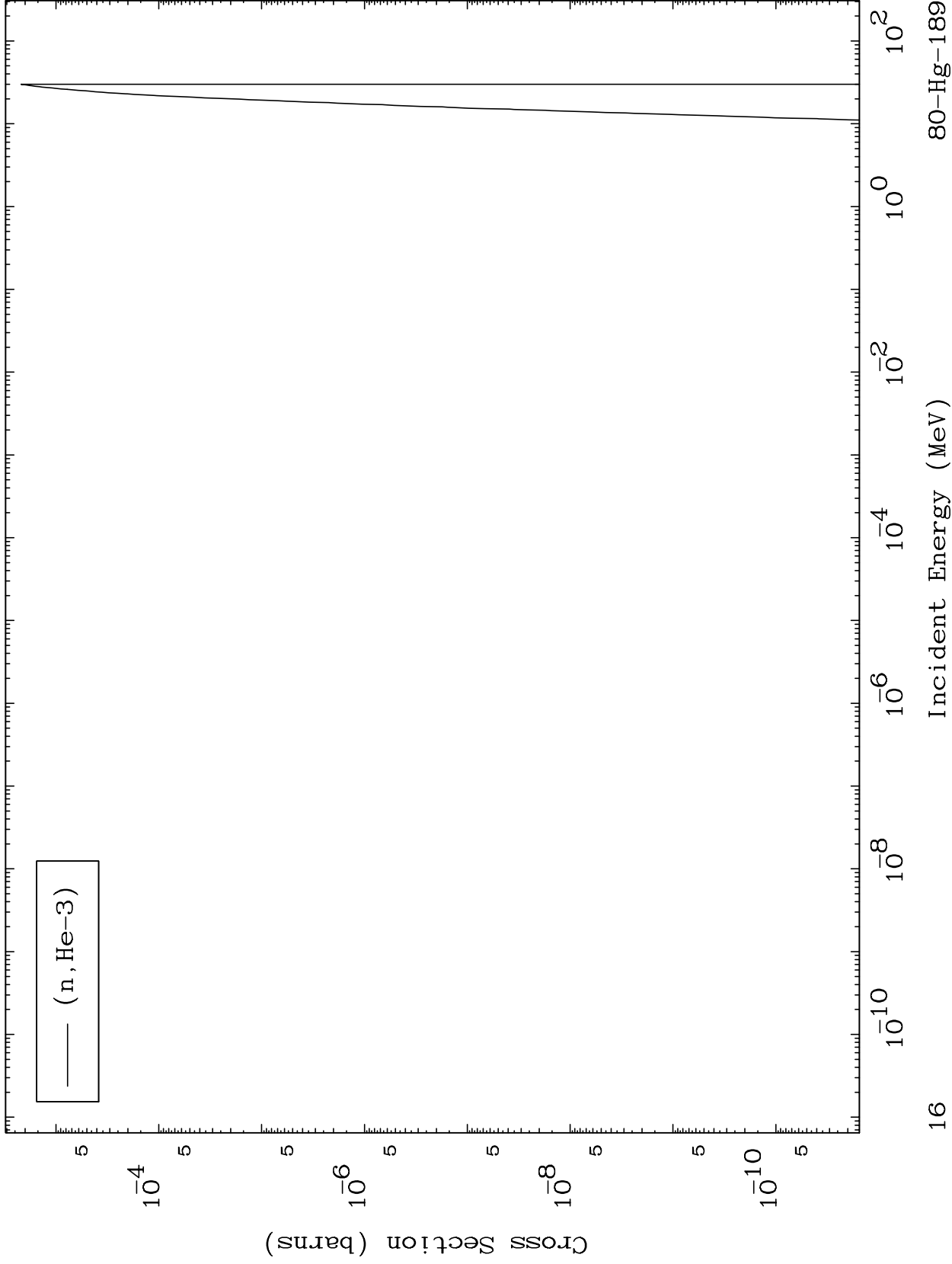
Incident Energy (MeV)

15

MAT 8004

(n,He3) Levels
293 Kelvin Cross Sections

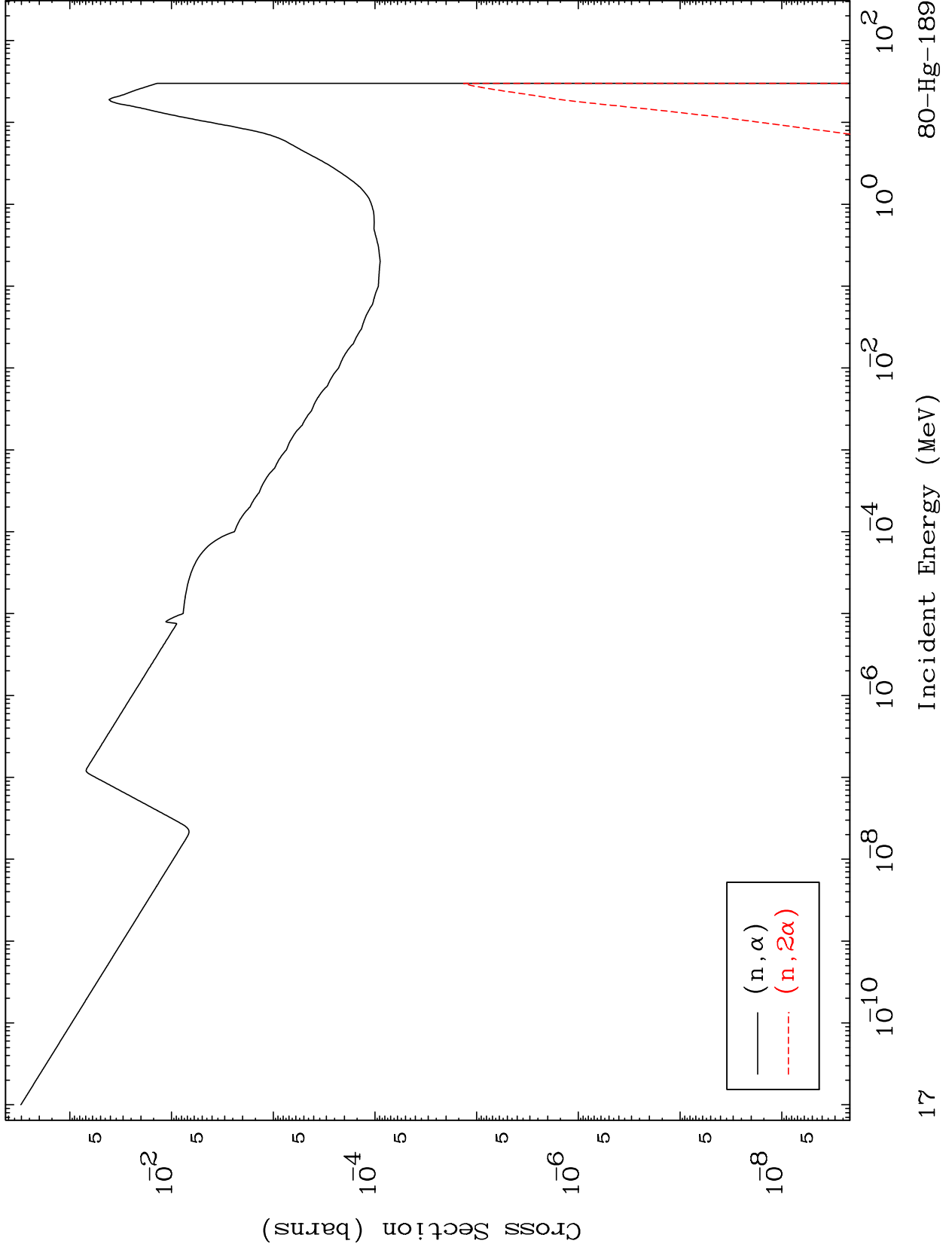
80-Hg-189

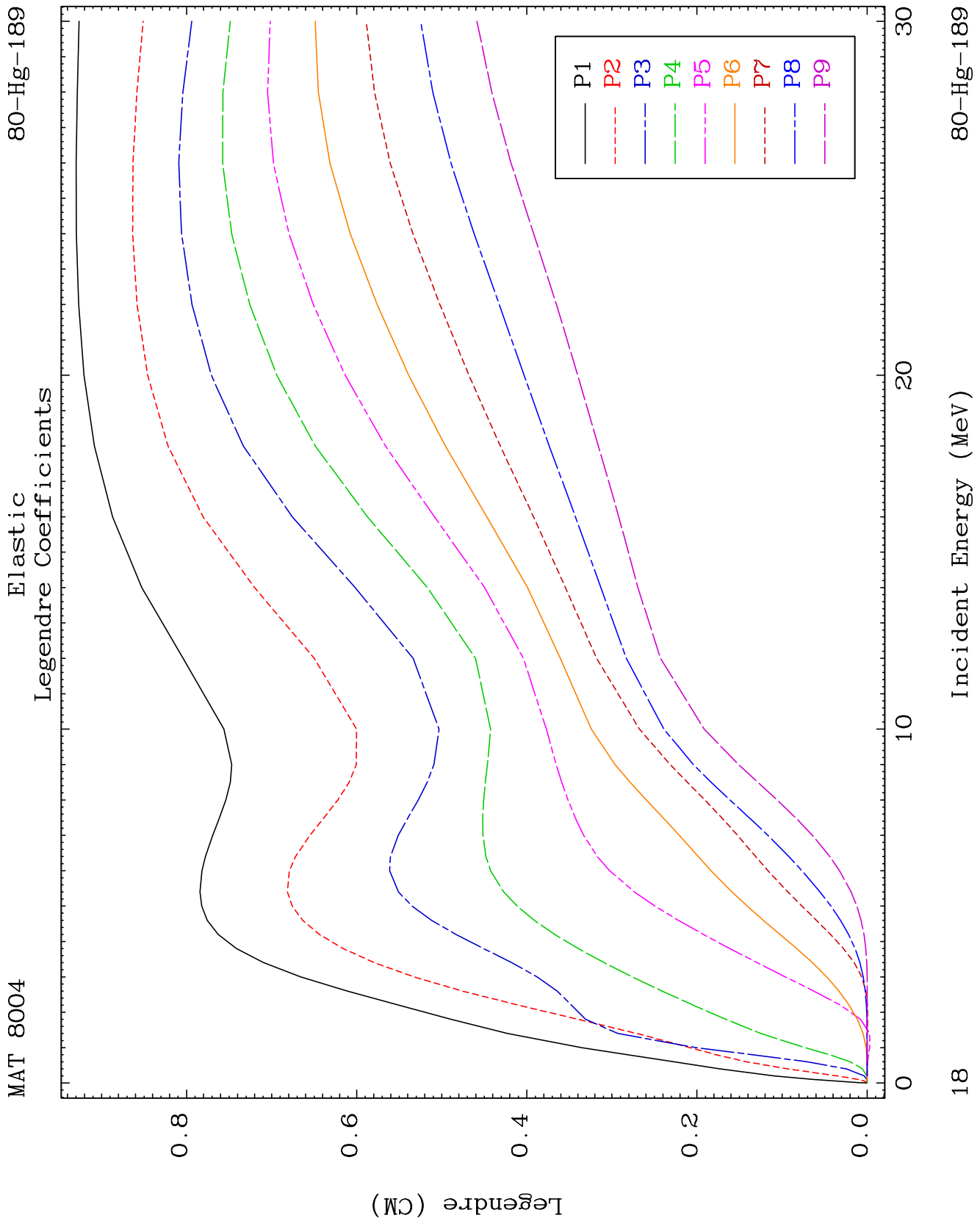


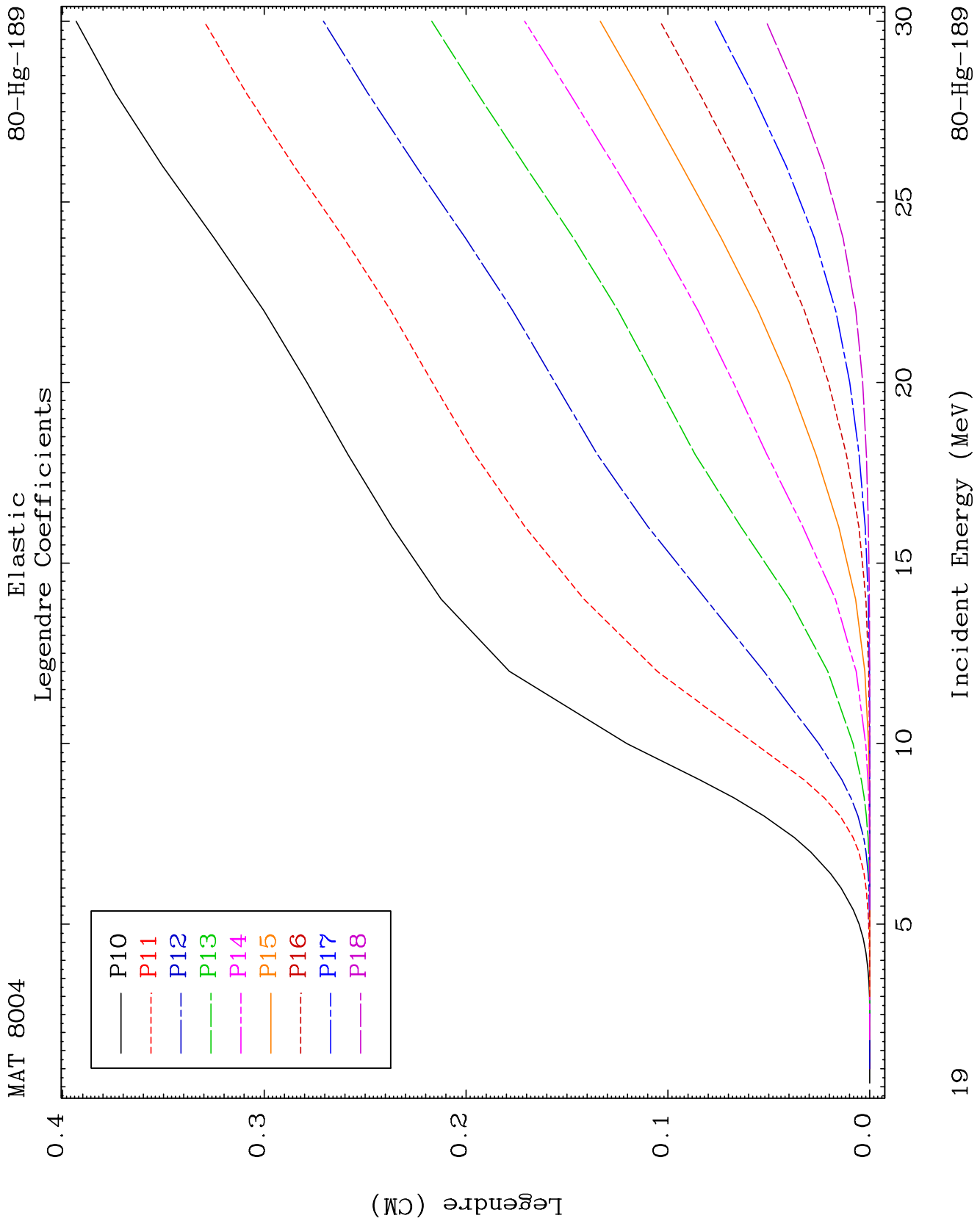
MAT 8004

(n, α) Levels
293 Kelvin Cross Sections

80-Hg-189



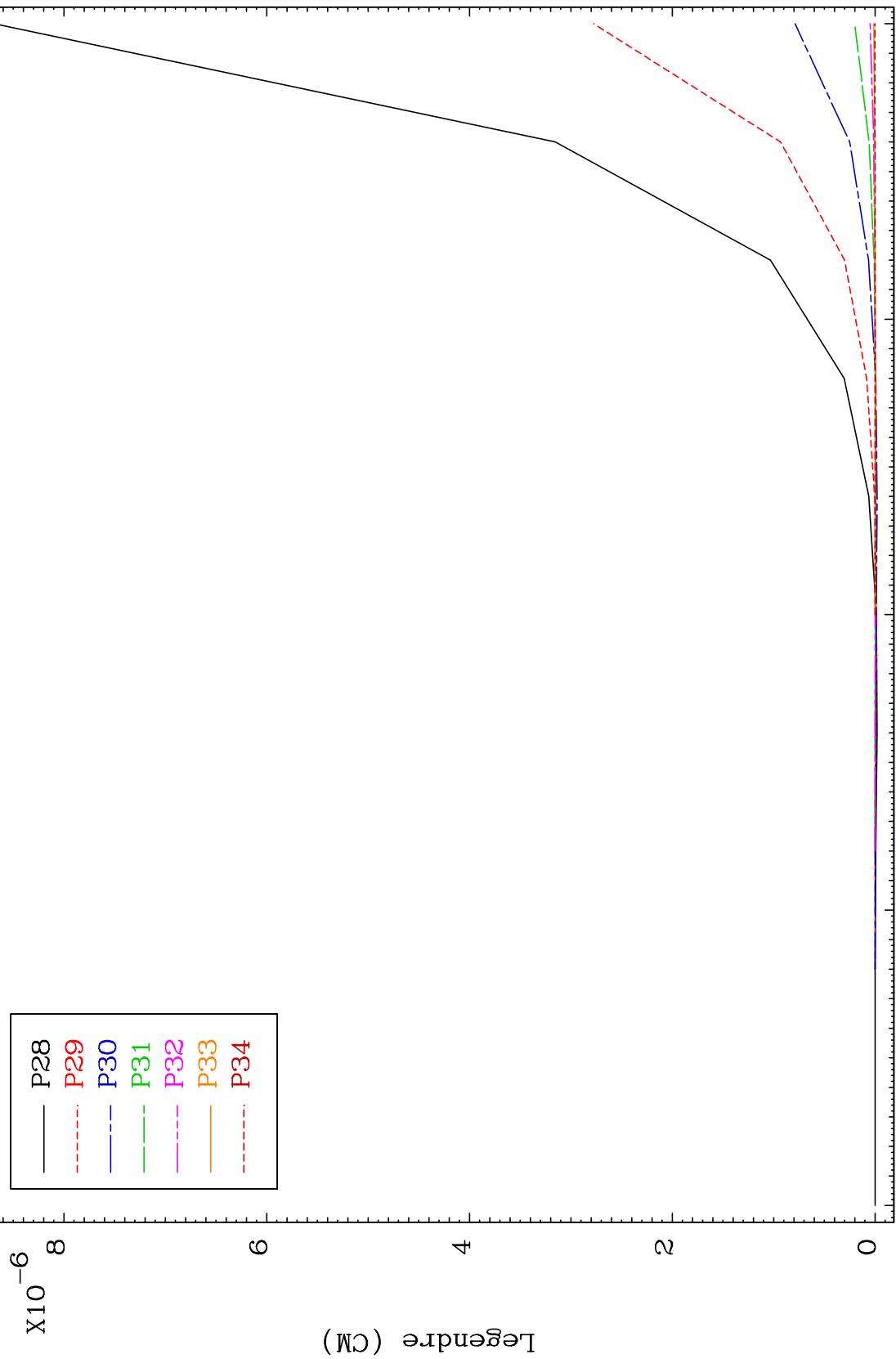
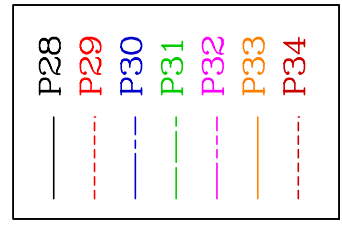




MAT 8004

Elastic Legendre Coefficients

80-Hg-189



21

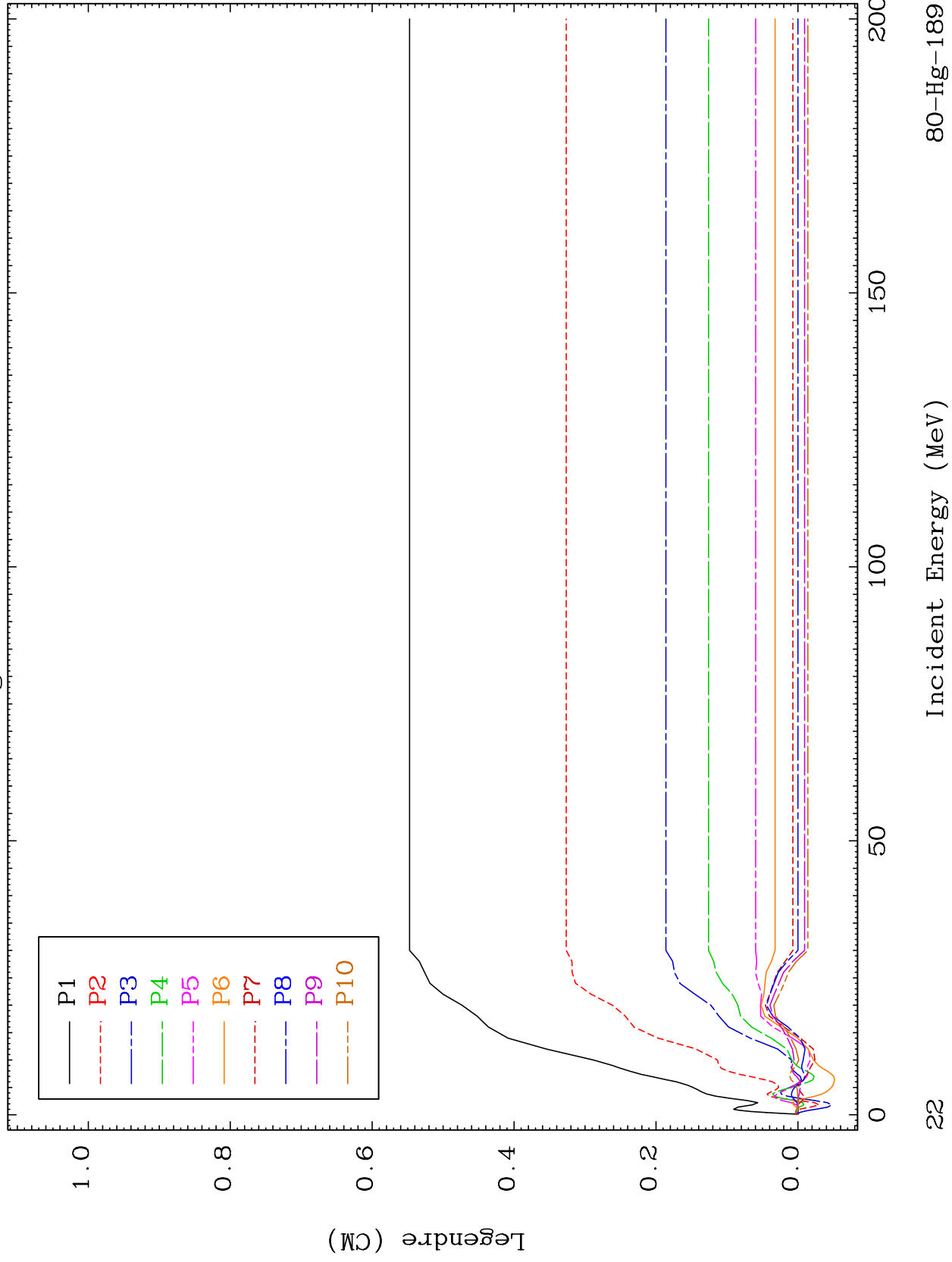
Incident Energy (MeV)

80-Hg-189

MAT 8004

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

80-Hg-189



22

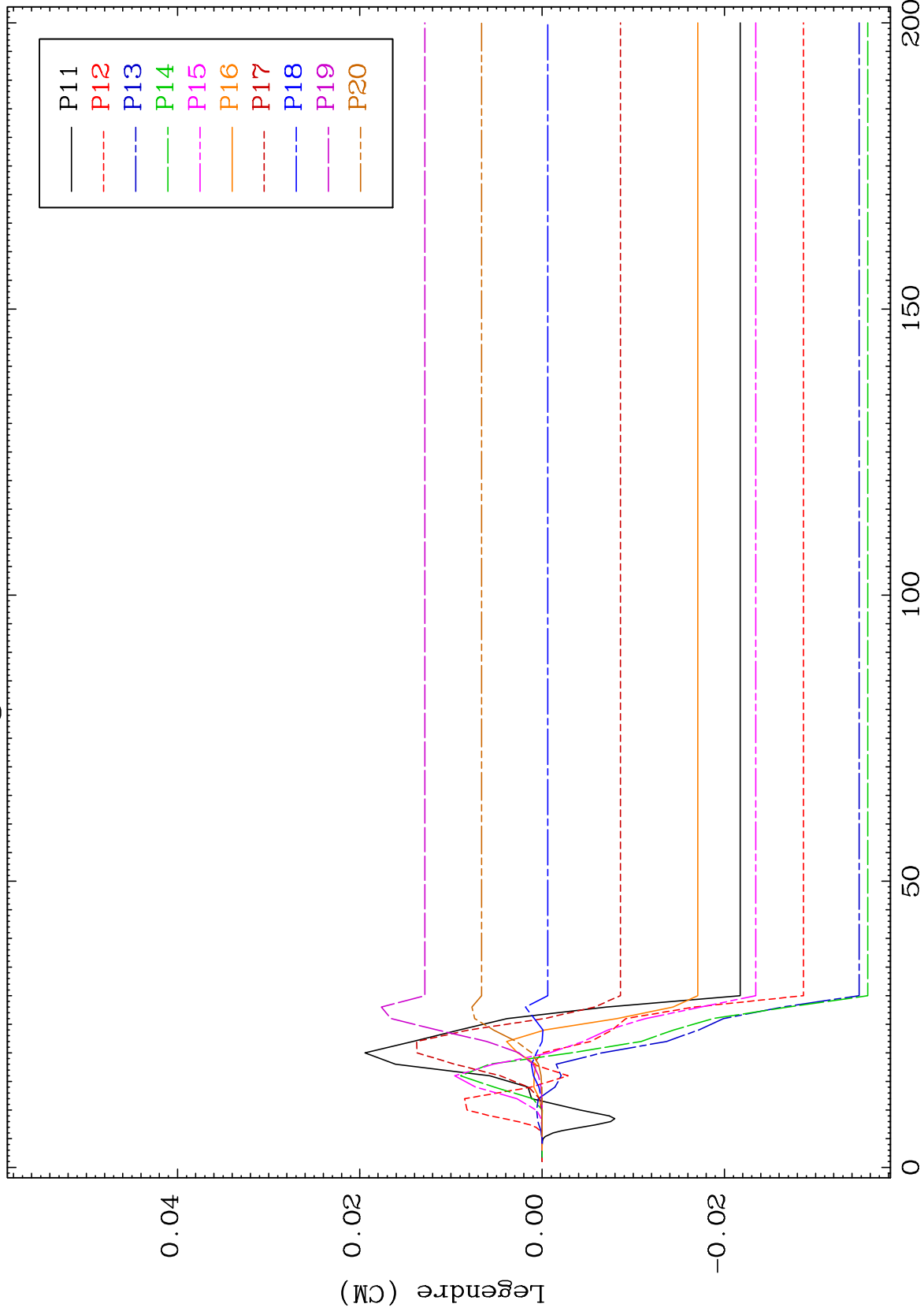
Incident Energy (MeV)

80-Hg-189

MAT 8004

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

80-Hg-189



23

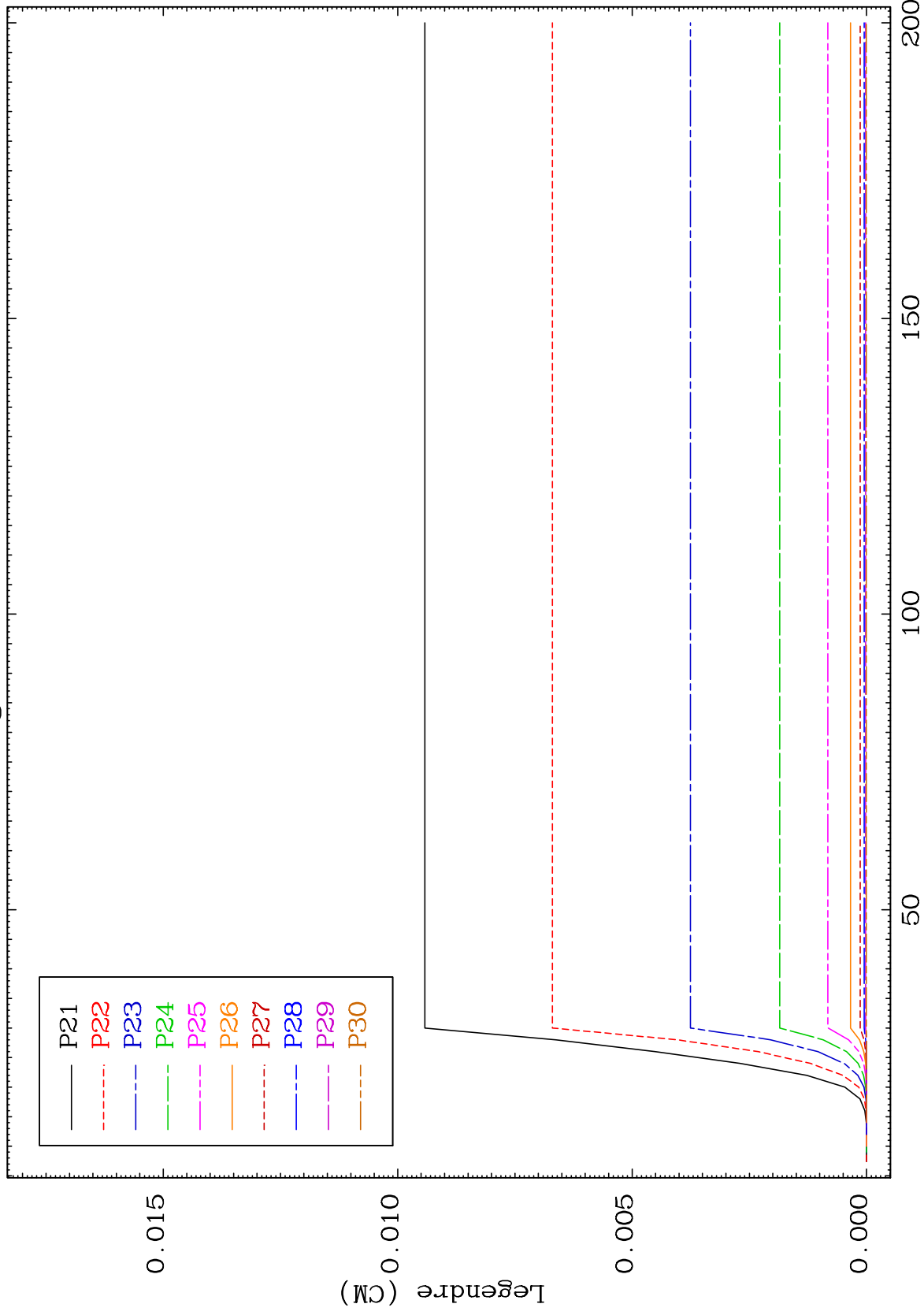
Incident Energy (MeV)

80-Hg-189

MAT 8004

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

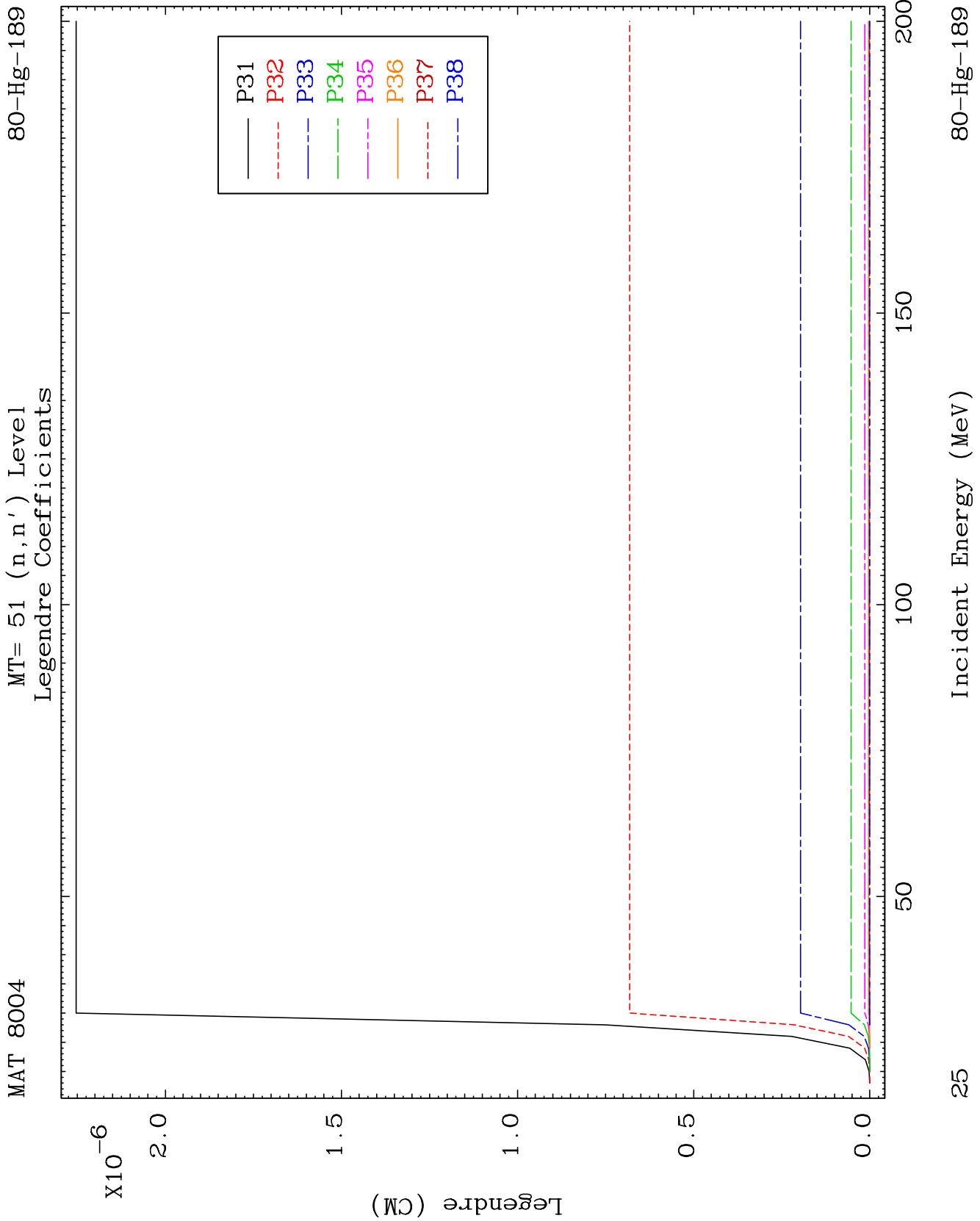
80-Hg-189



24

Incident Energy (MeV)

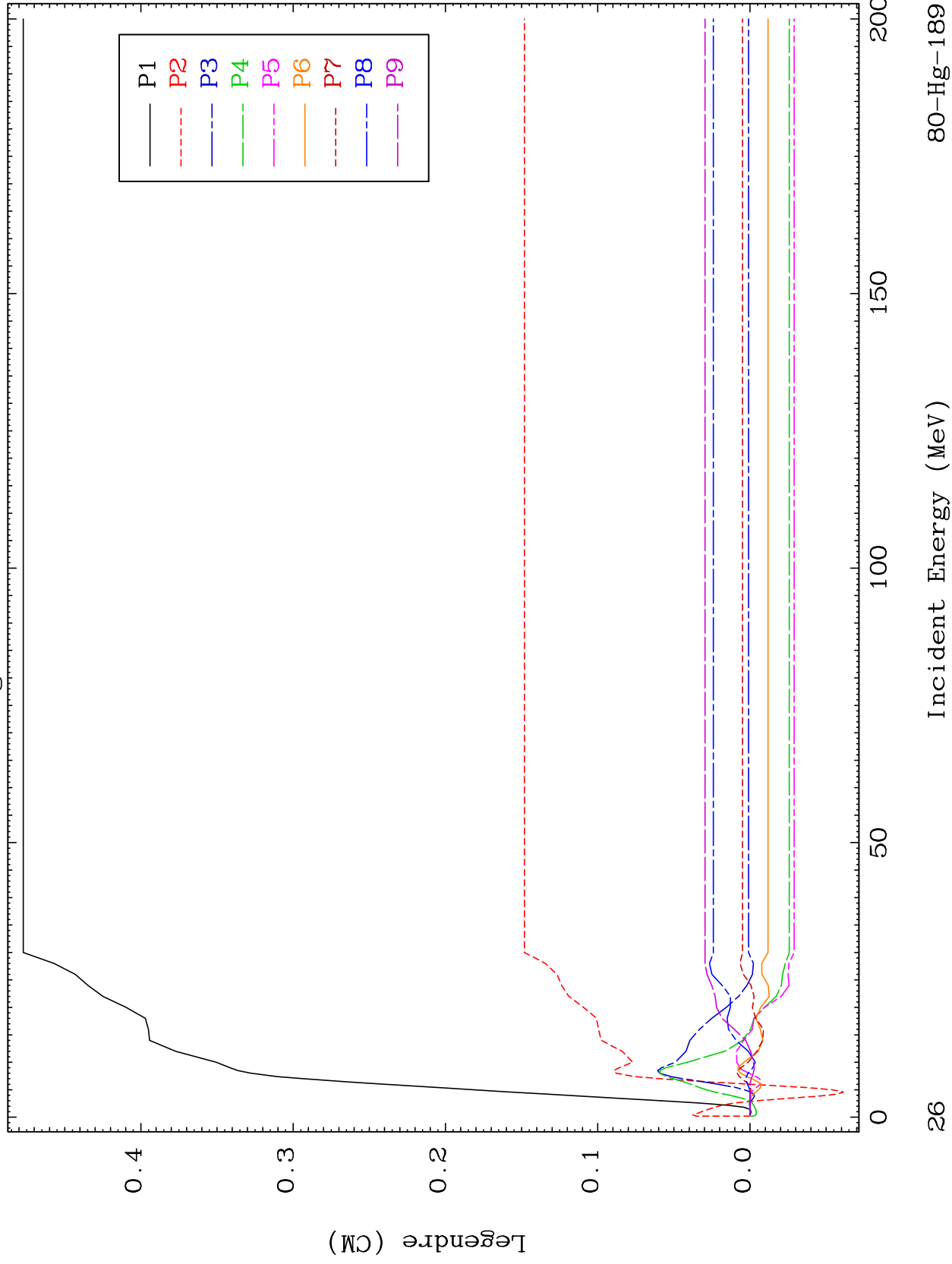
80-Hg-189



MAT 8004

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

80-Hg-189



26

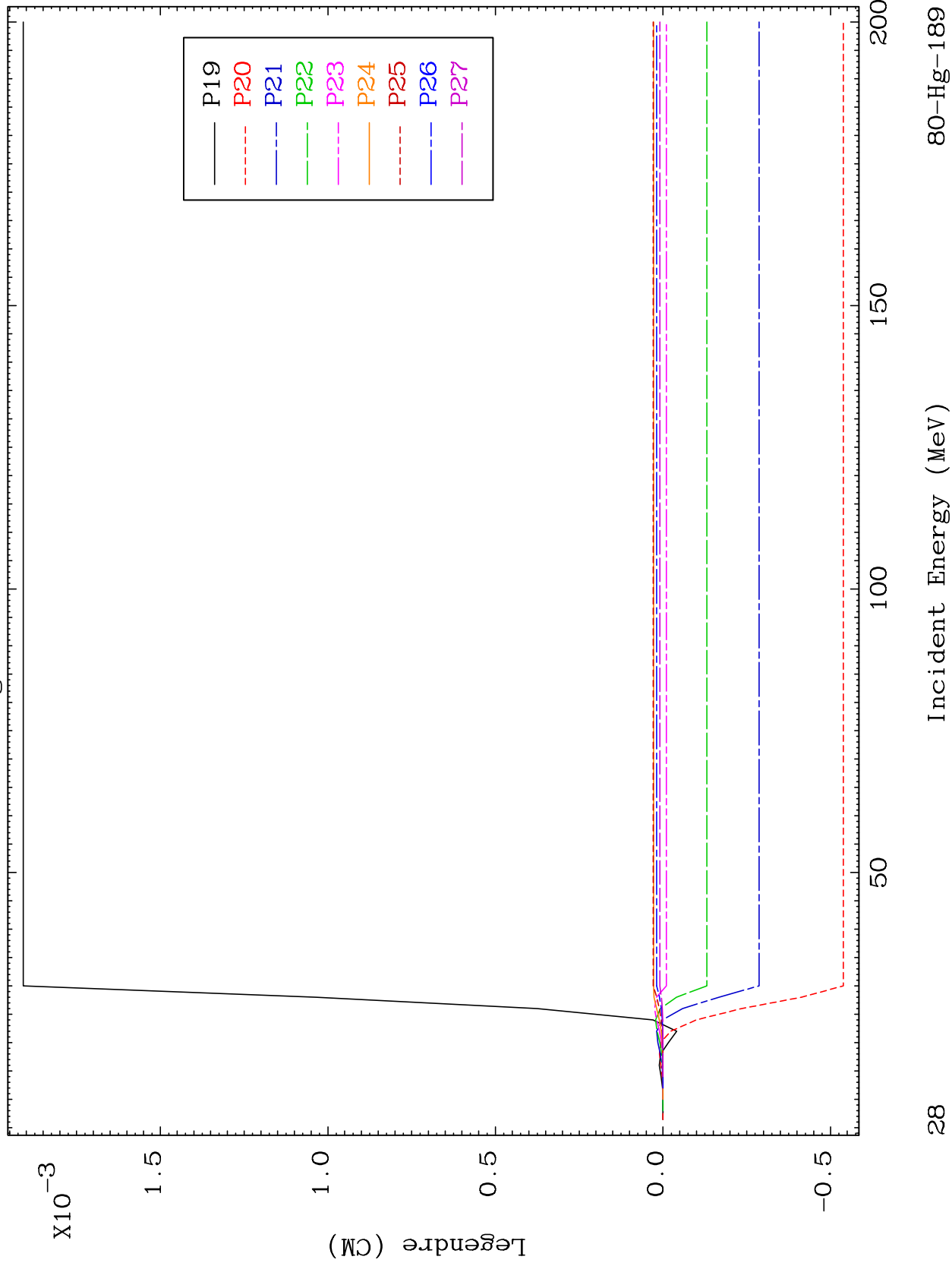
Incident Energy (MeV)

80-Hg-189

MAT 8004

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

80-Hg-189



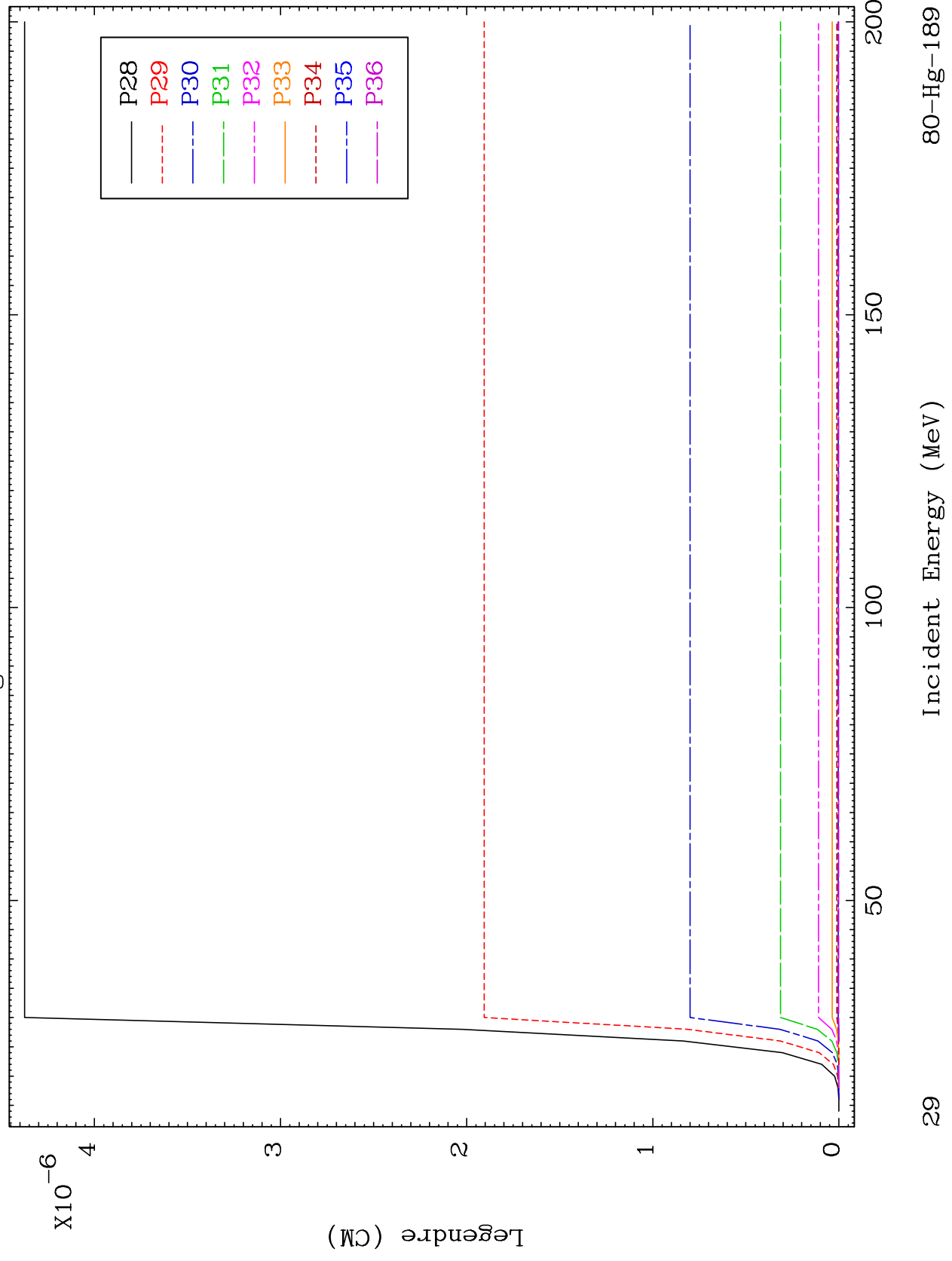
28

80-Hg-189

MAT 8004

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

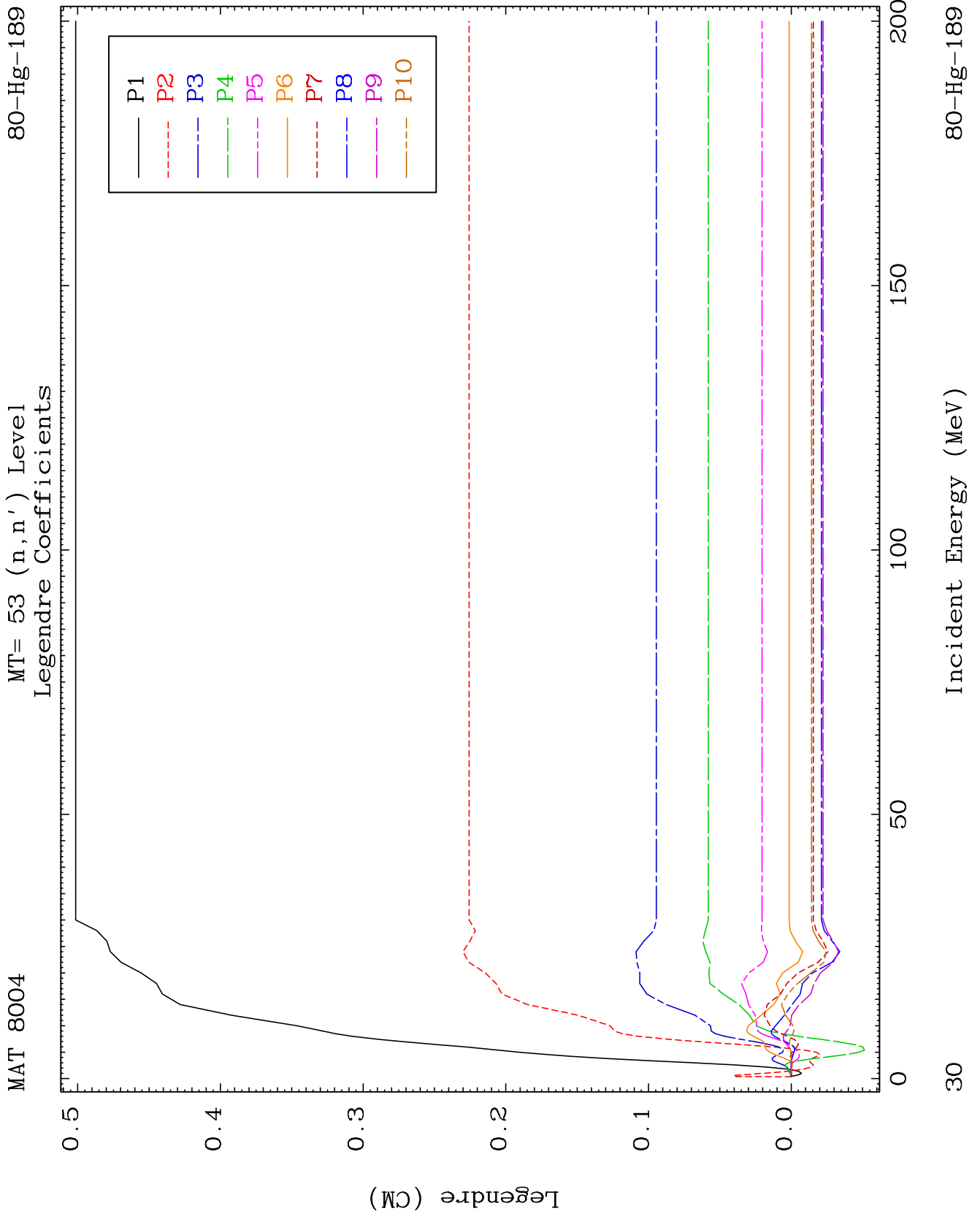
80-Hg-189



29

Incident Energy (MeV)

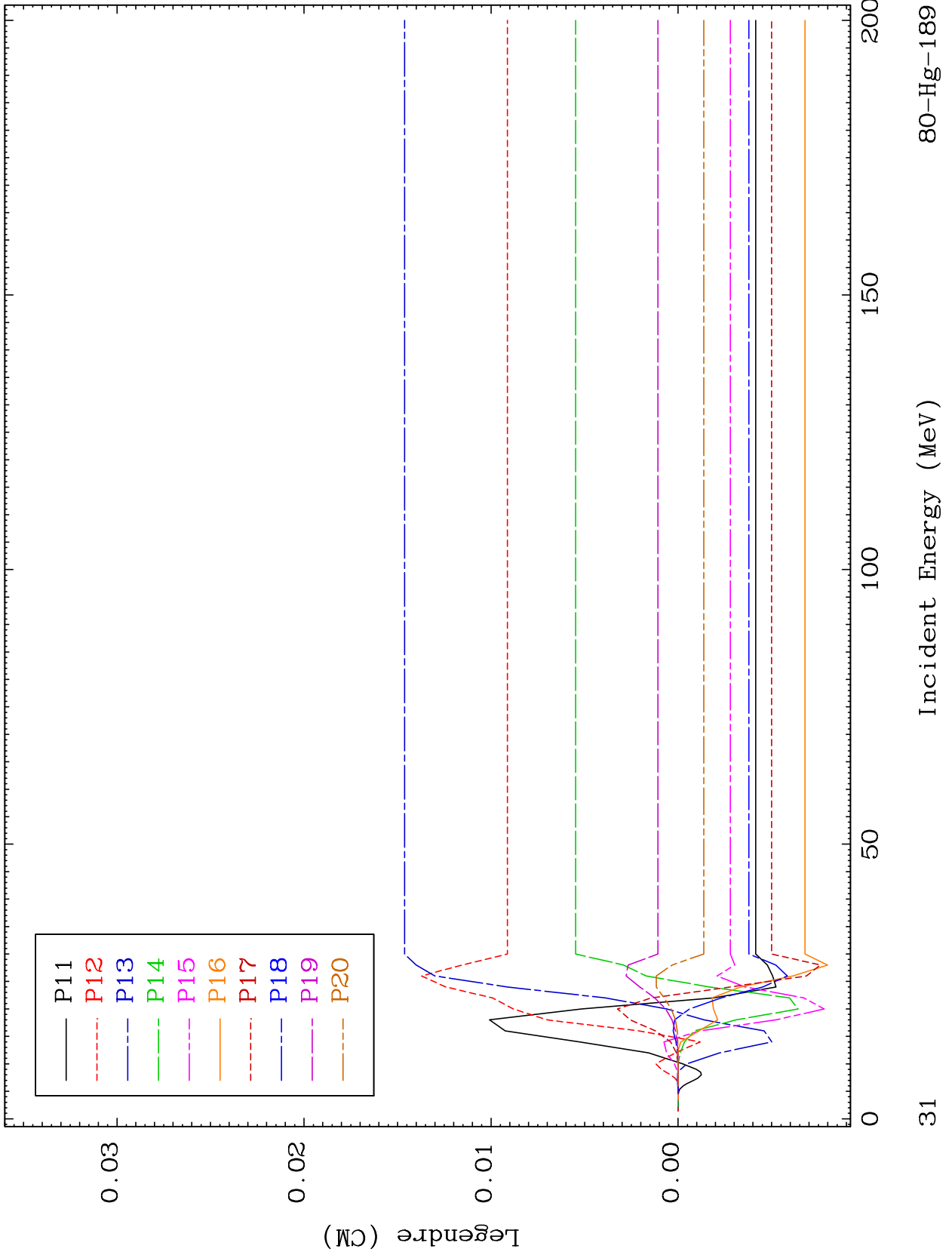
80-Hg-189



MAT 8004

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

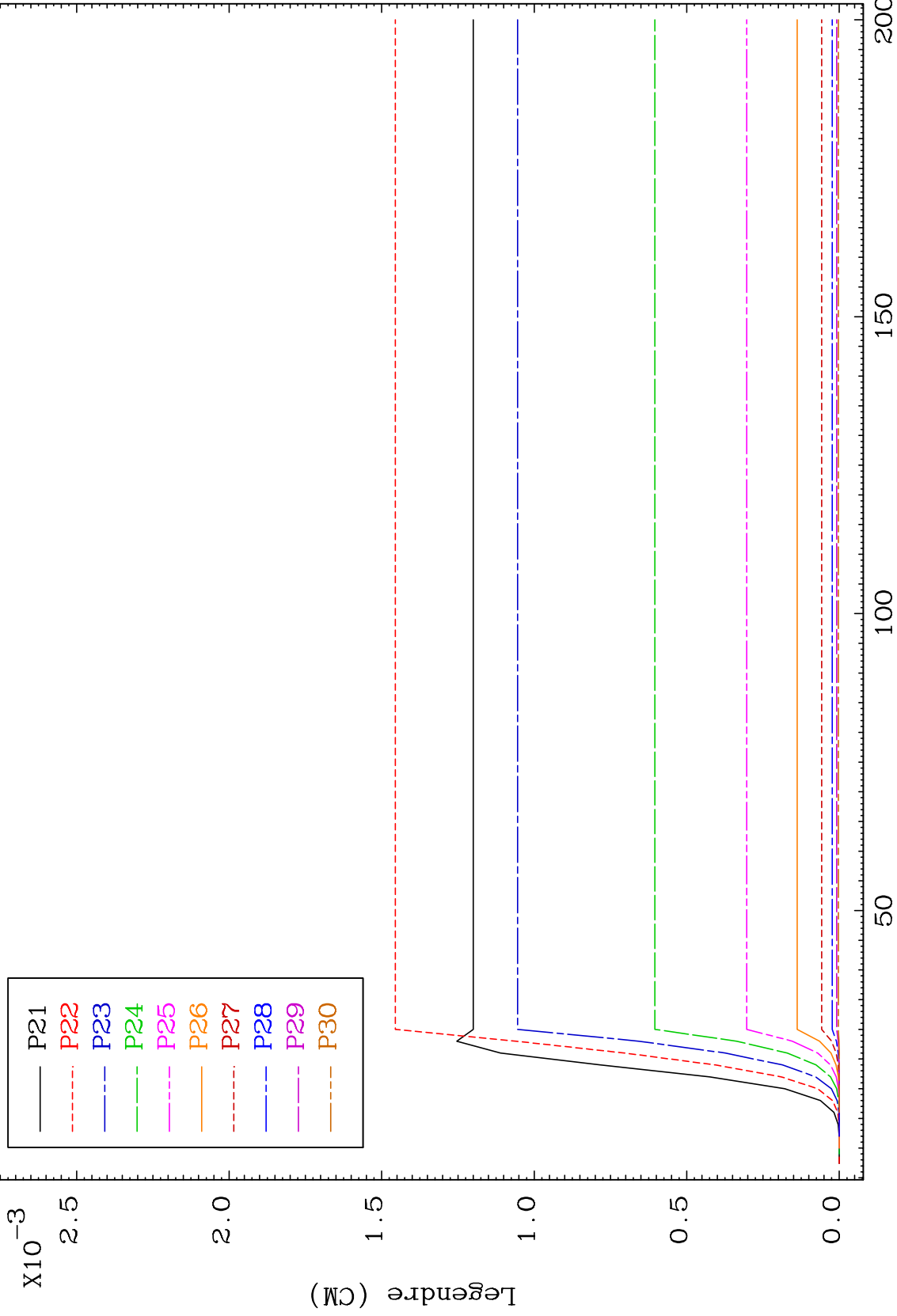
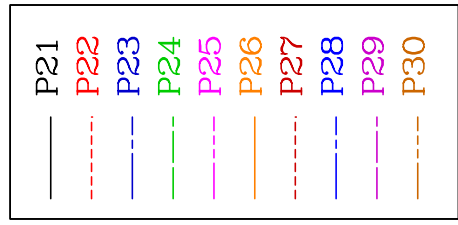
80-Hg-189



MAT 8004

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

80-Hg-189



32

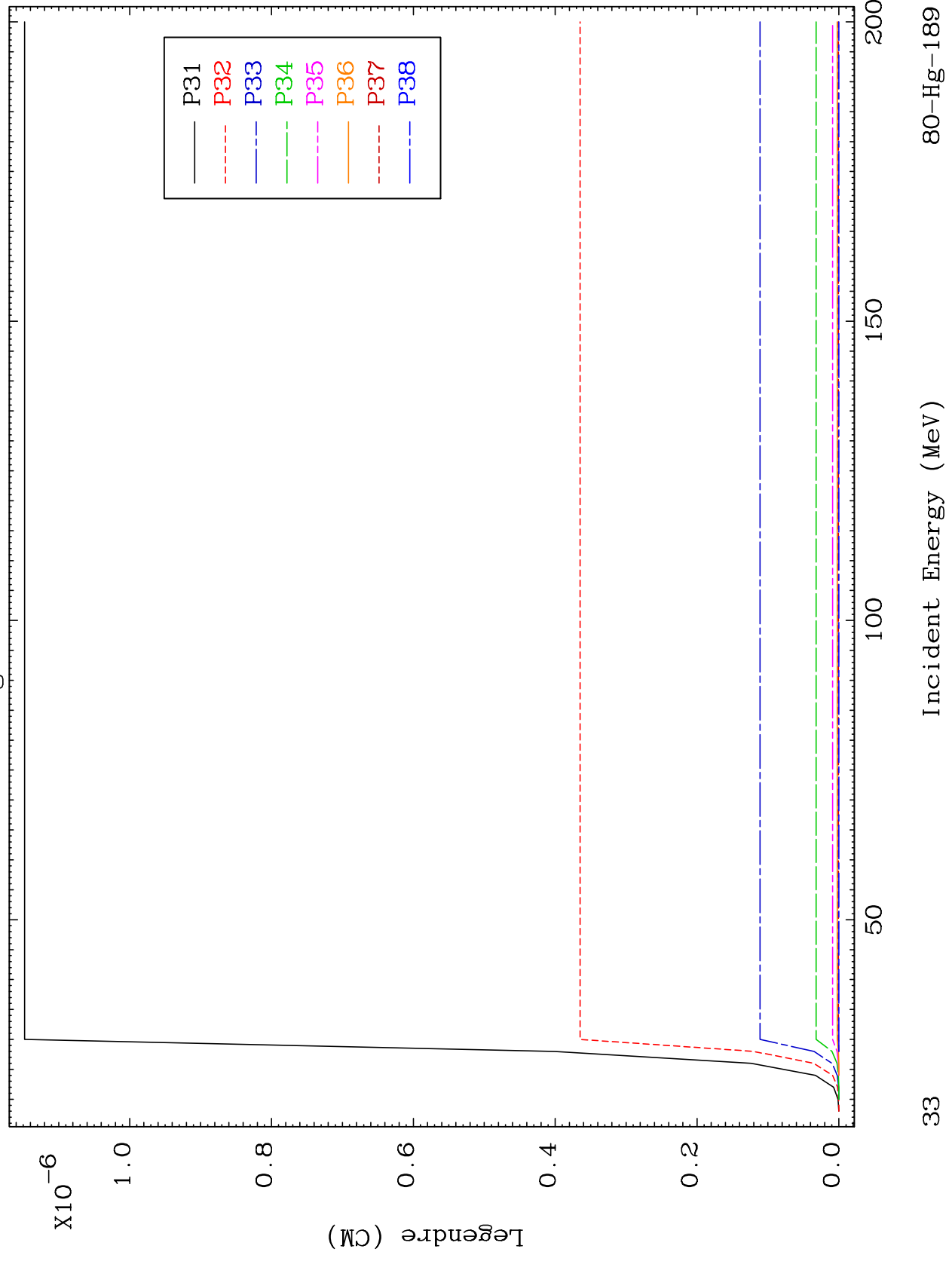
Incident Energy (MeV)

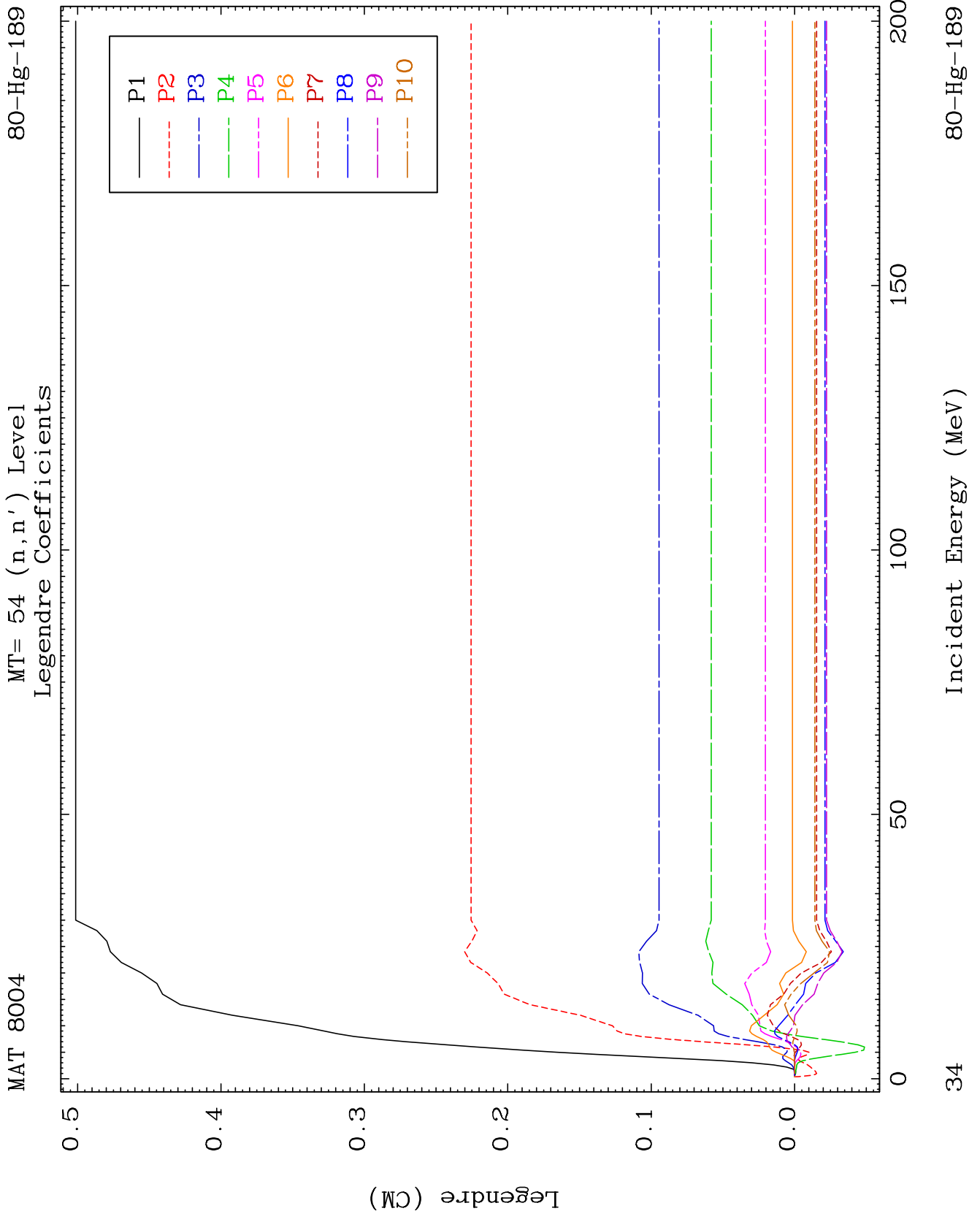
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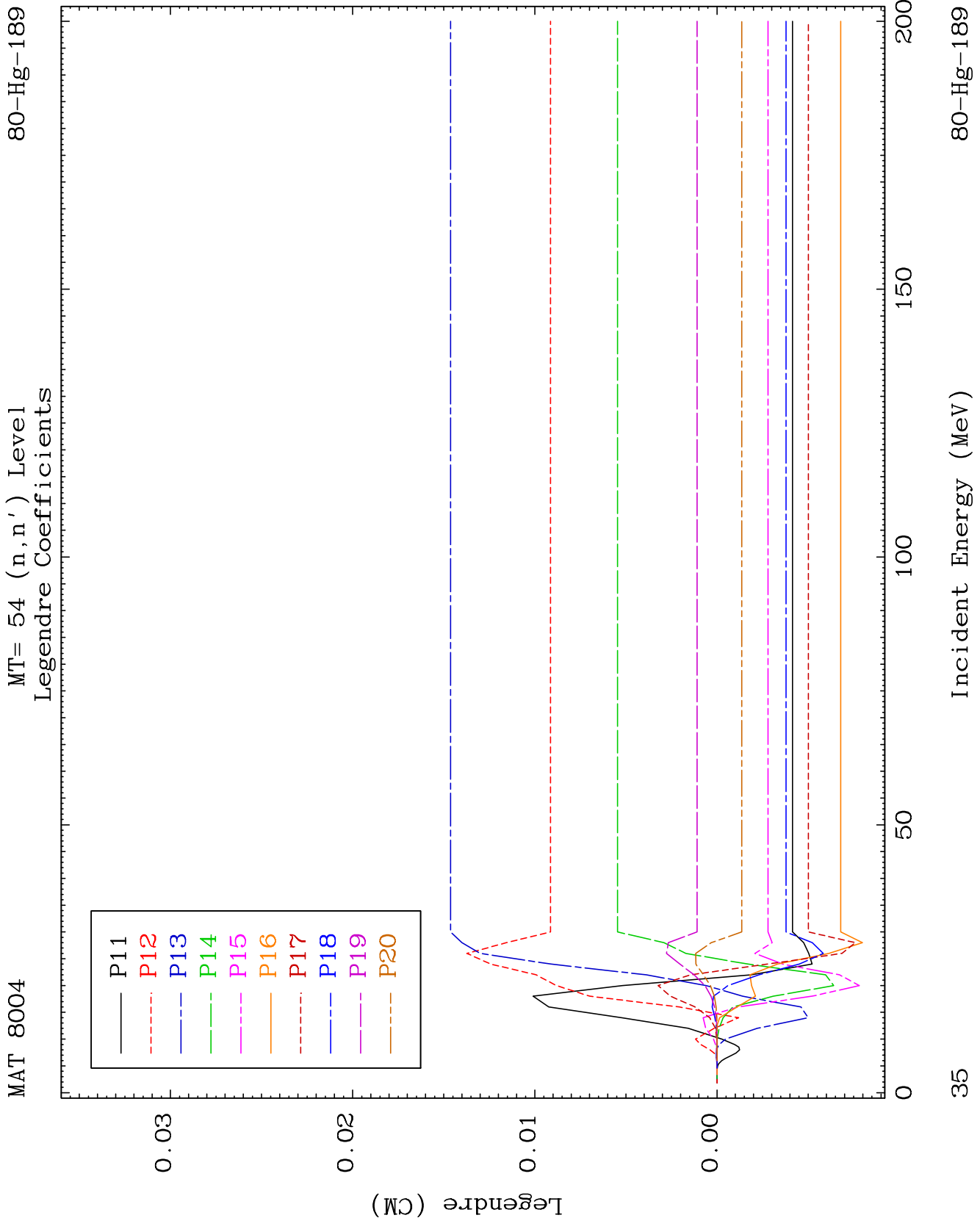
MAT 8004

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

80-Hg-189



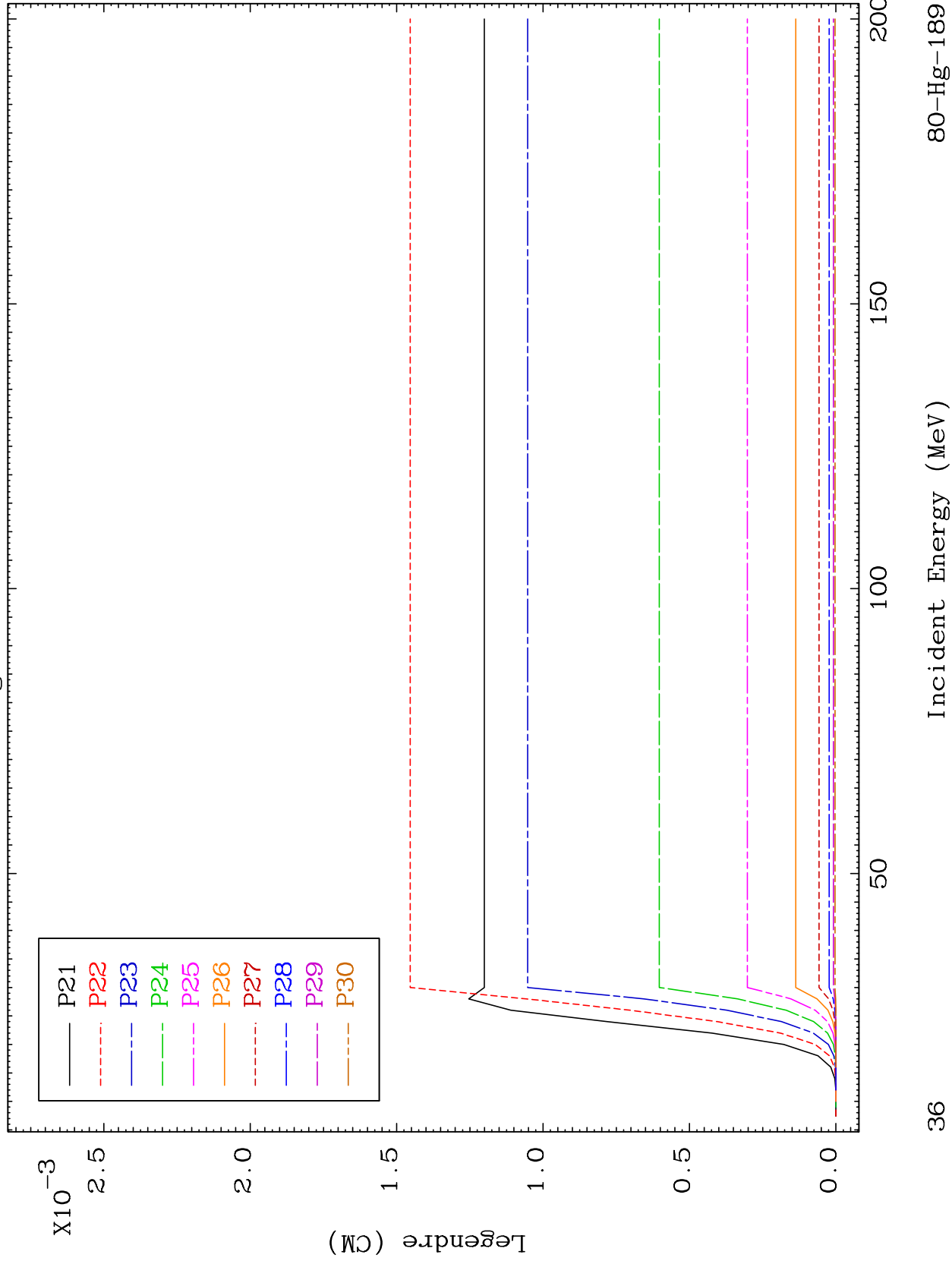




MAT 8004

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

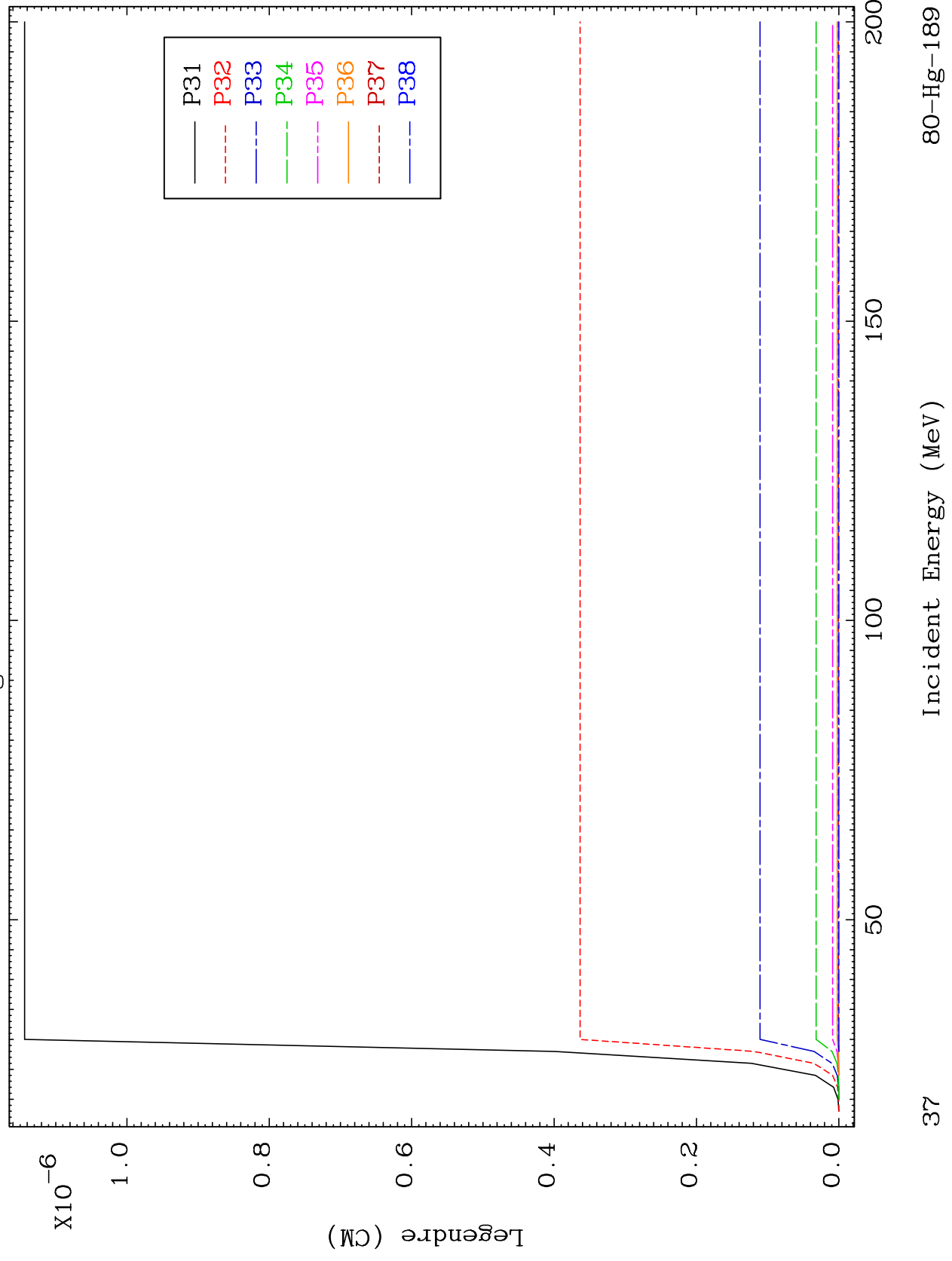
80-Hg-189



MAT 8004

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

80-Hg-189



37

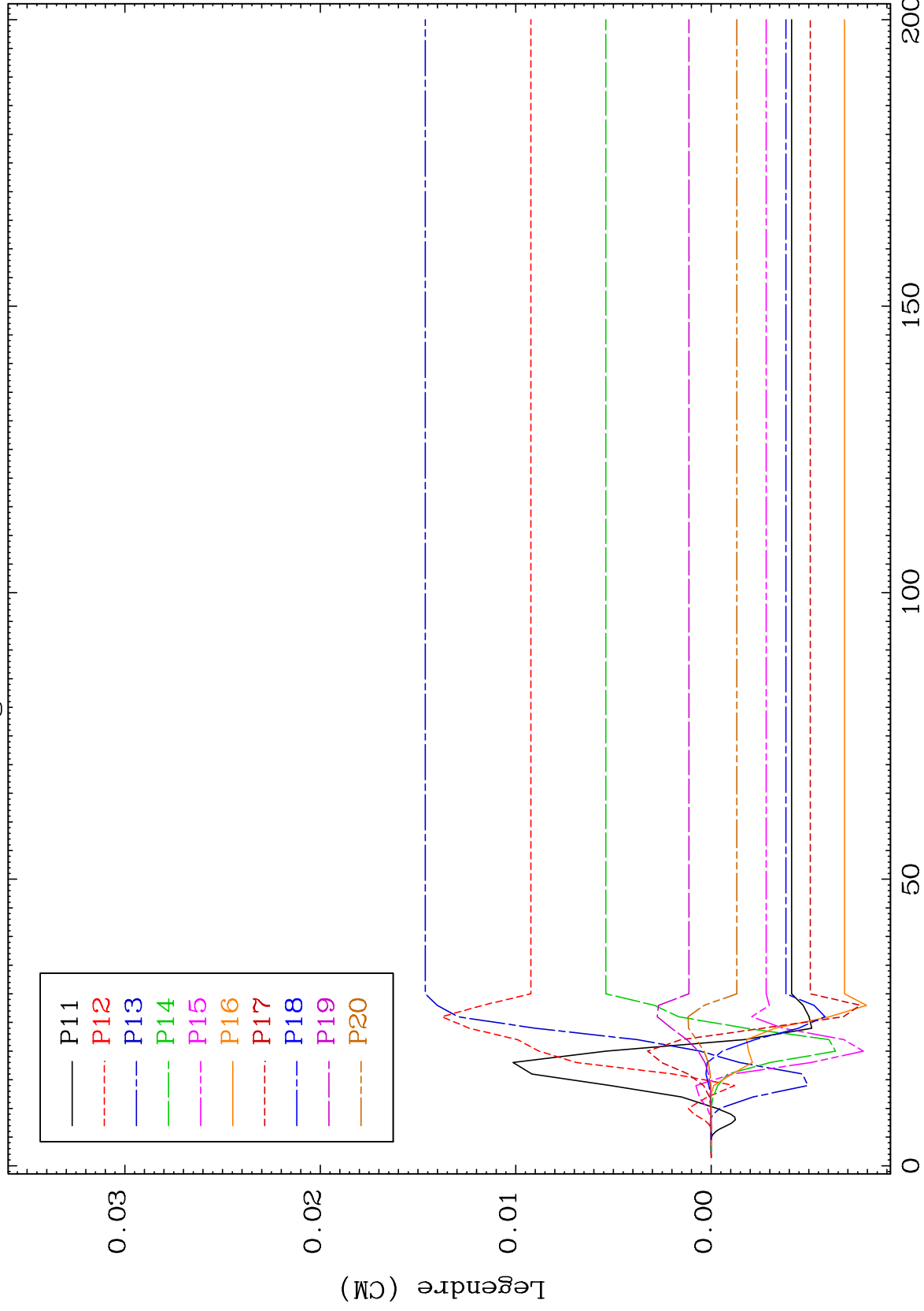
Incident Energy (MeV)

80-Hg-189

MAT 8004

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

80-Hg-189



39

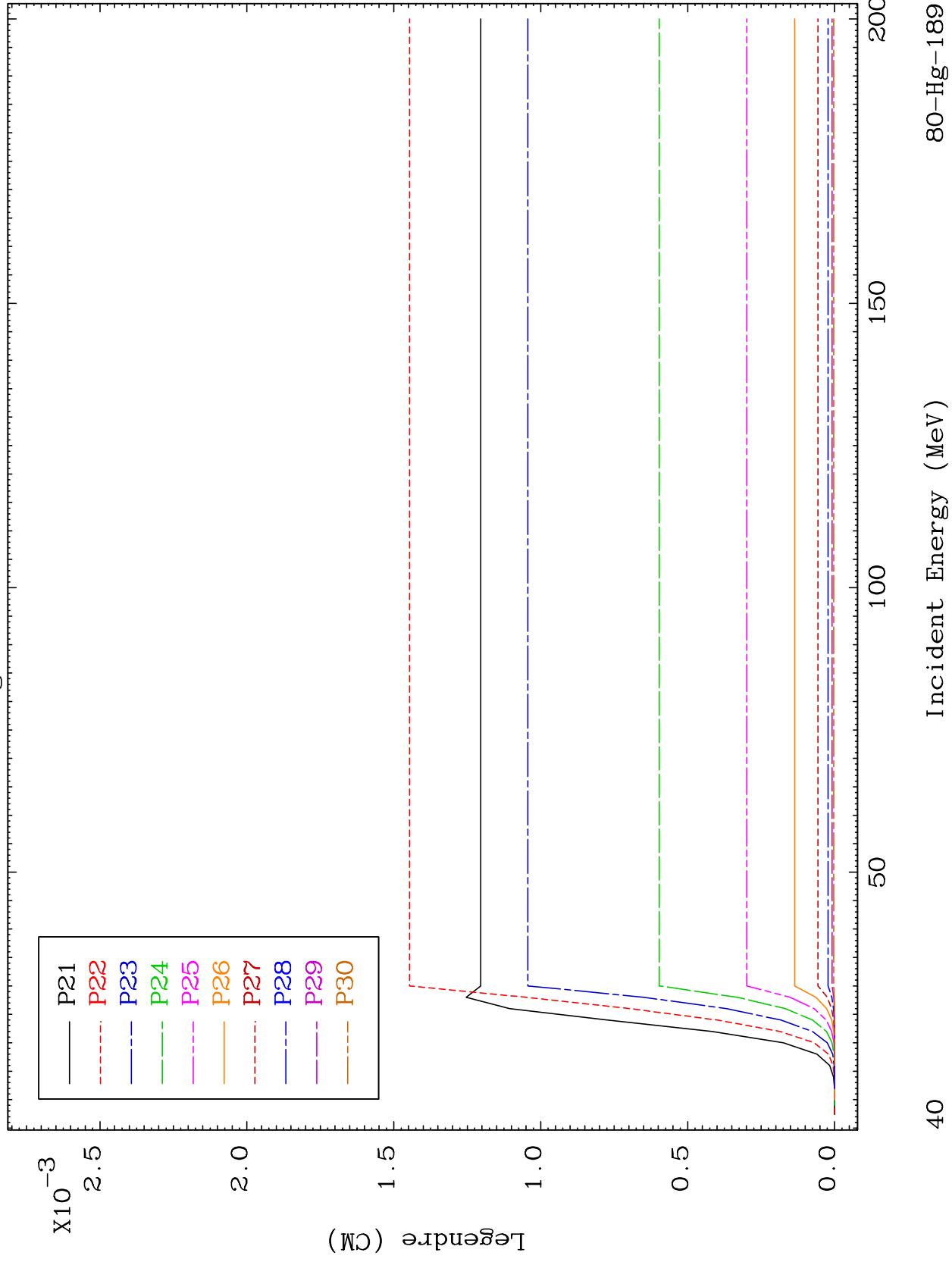
Incident Energy (MeV)

80-Hg-189

MAT 8004

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

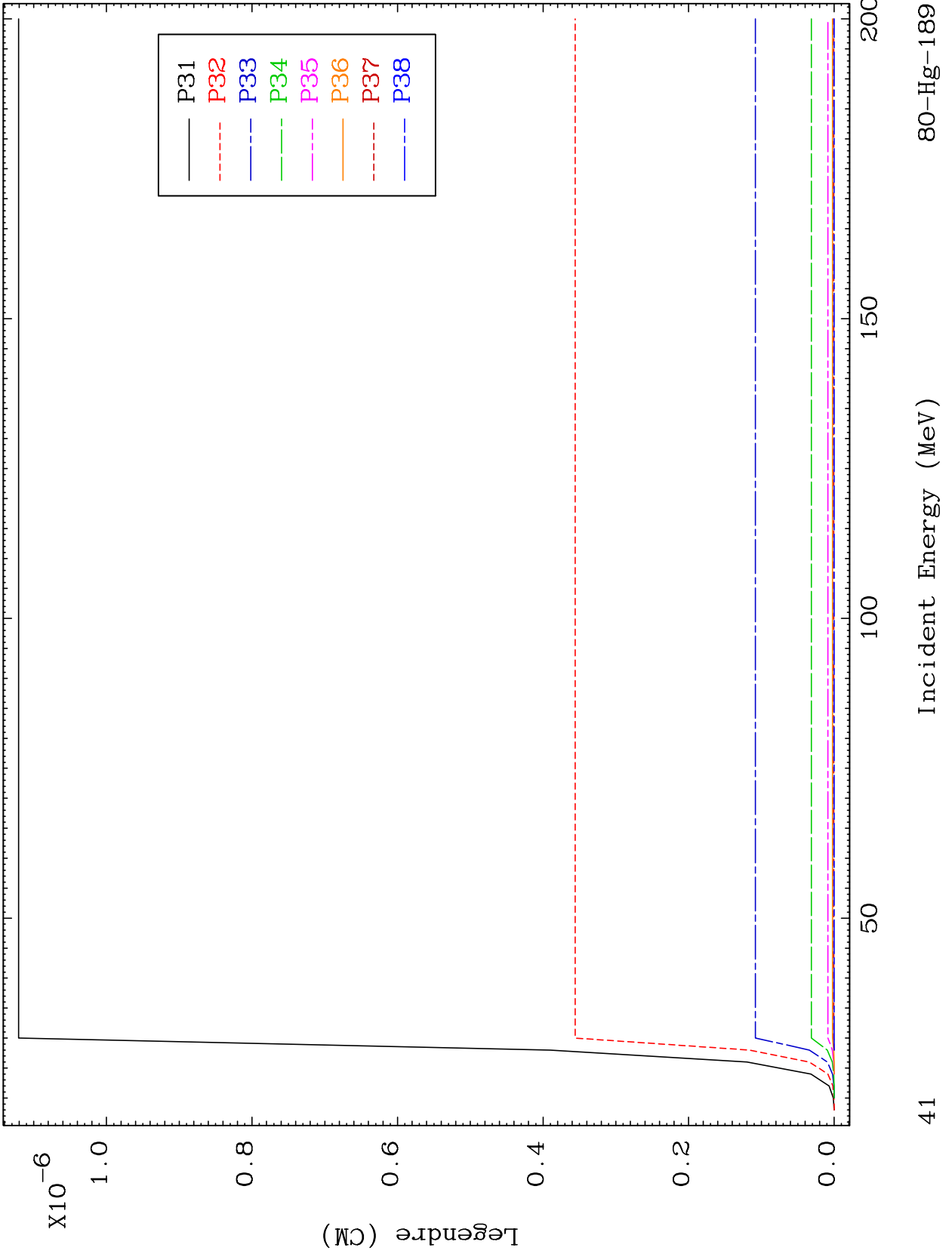
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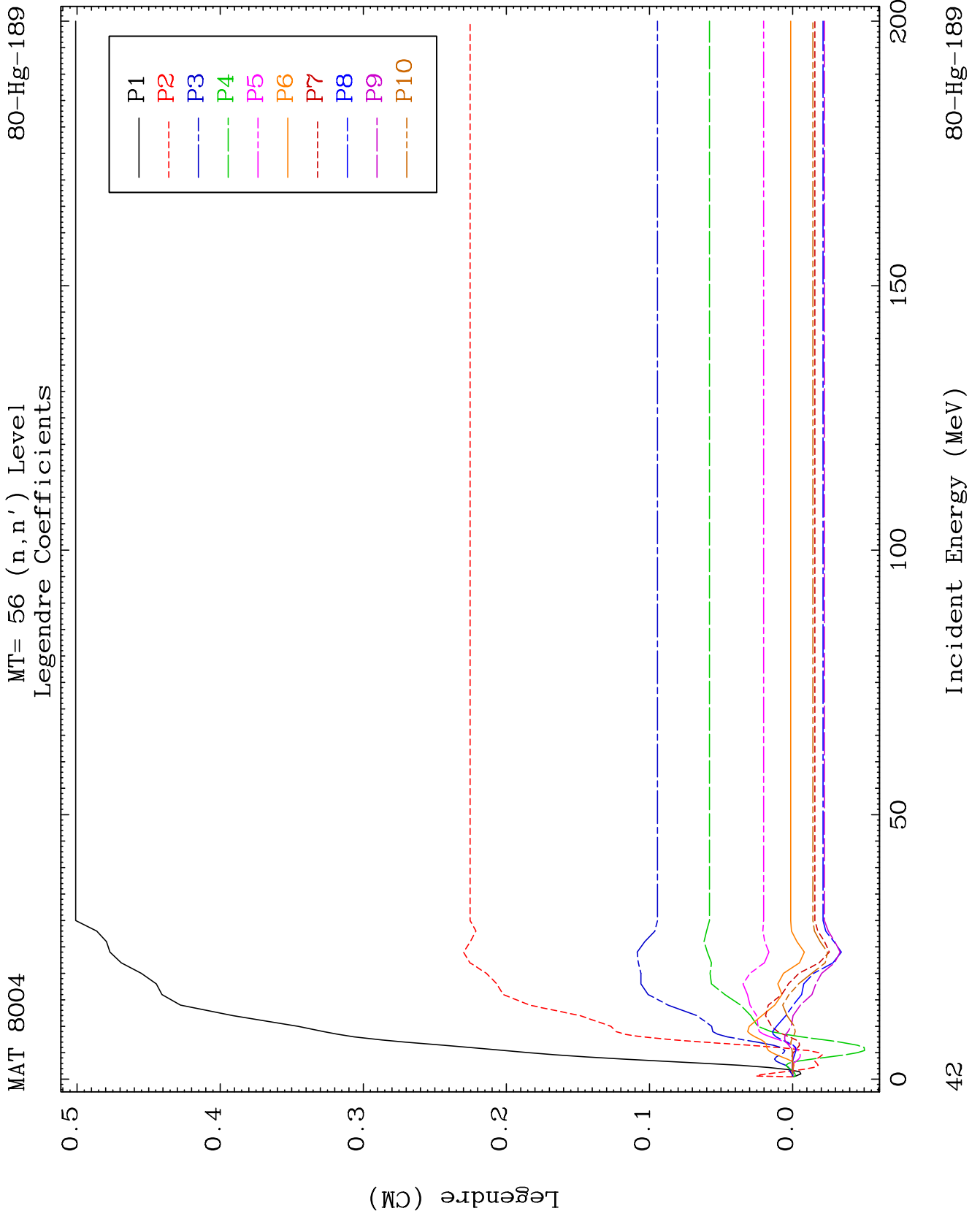


MAT 8004

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

80-Hg-189

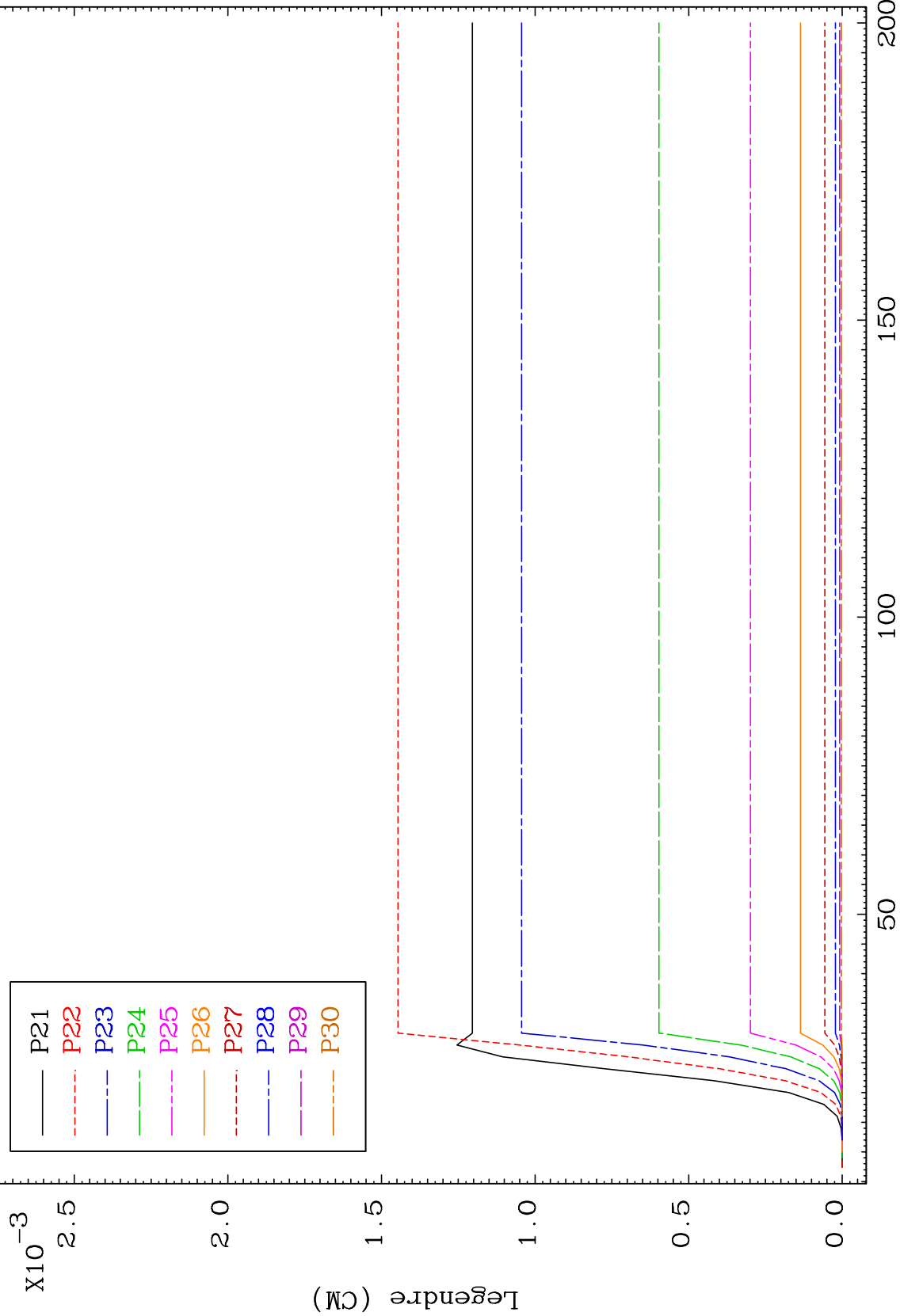
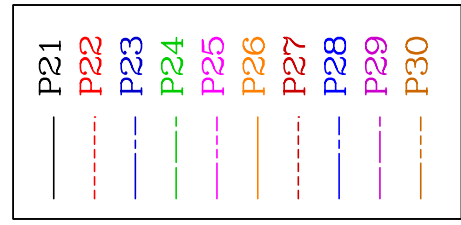




MAT 8004

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

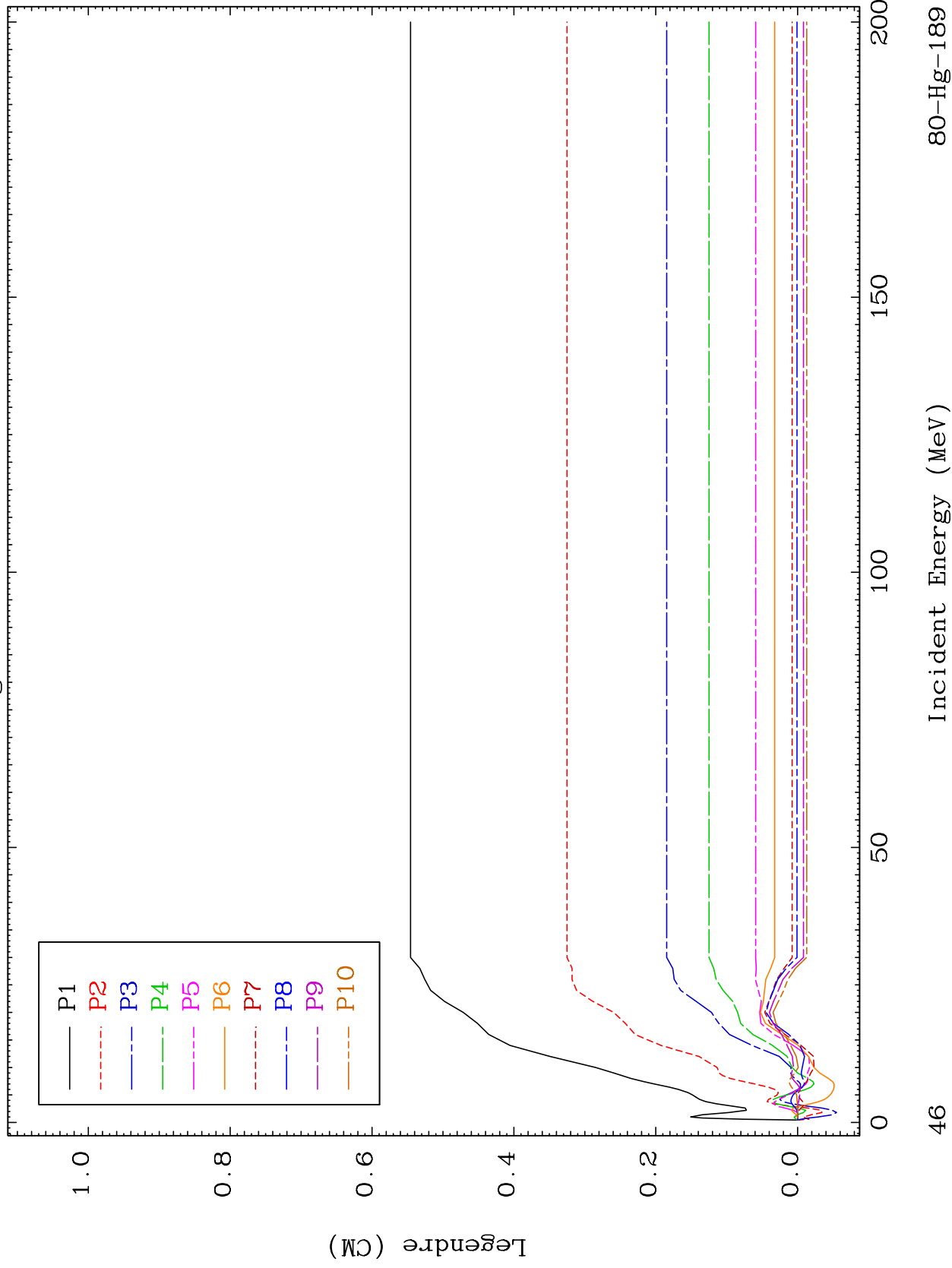
80-Hg-189



MAT 8004

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

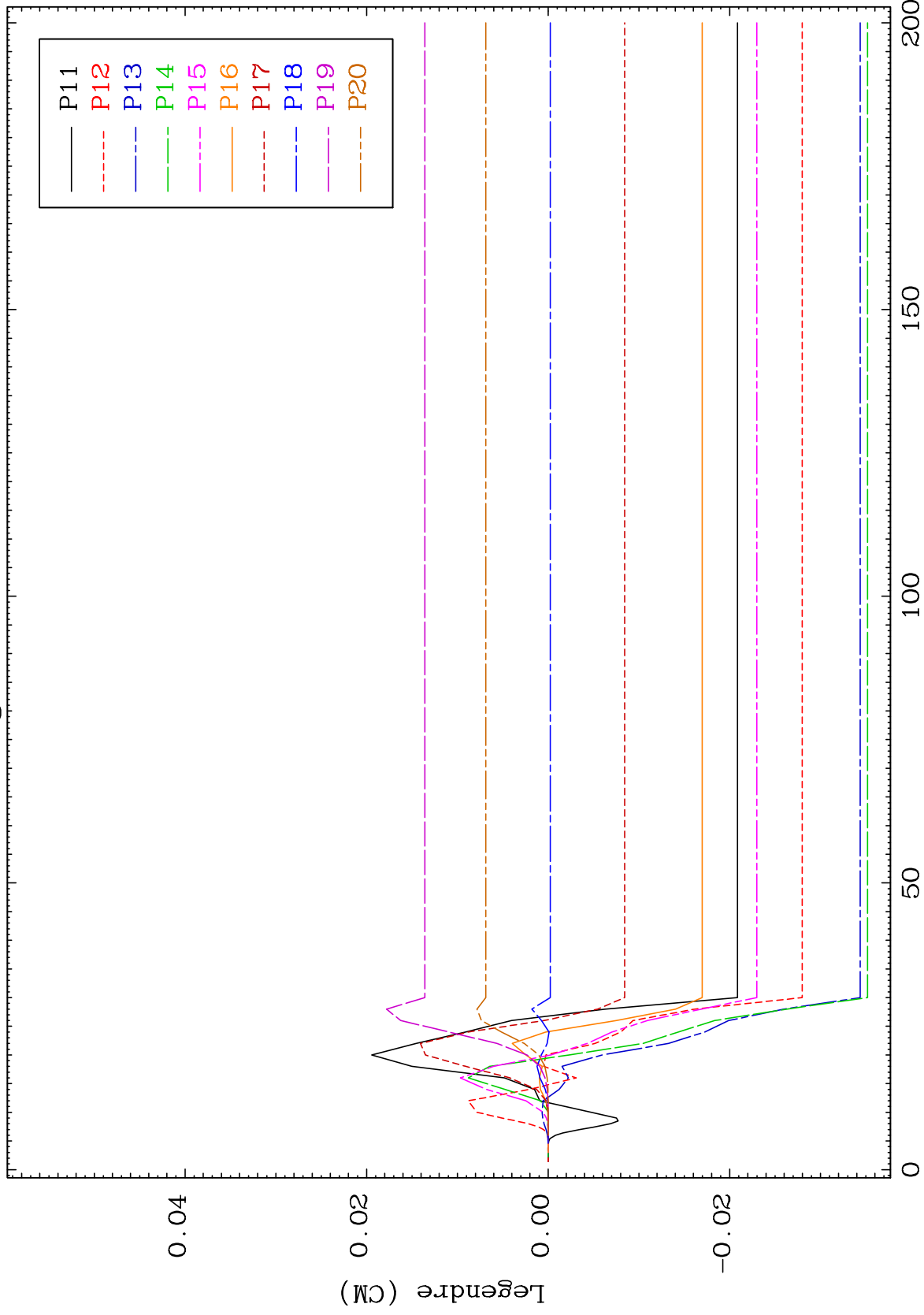
80-Hg-189



MAT 8004

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

80-Hg-189



47

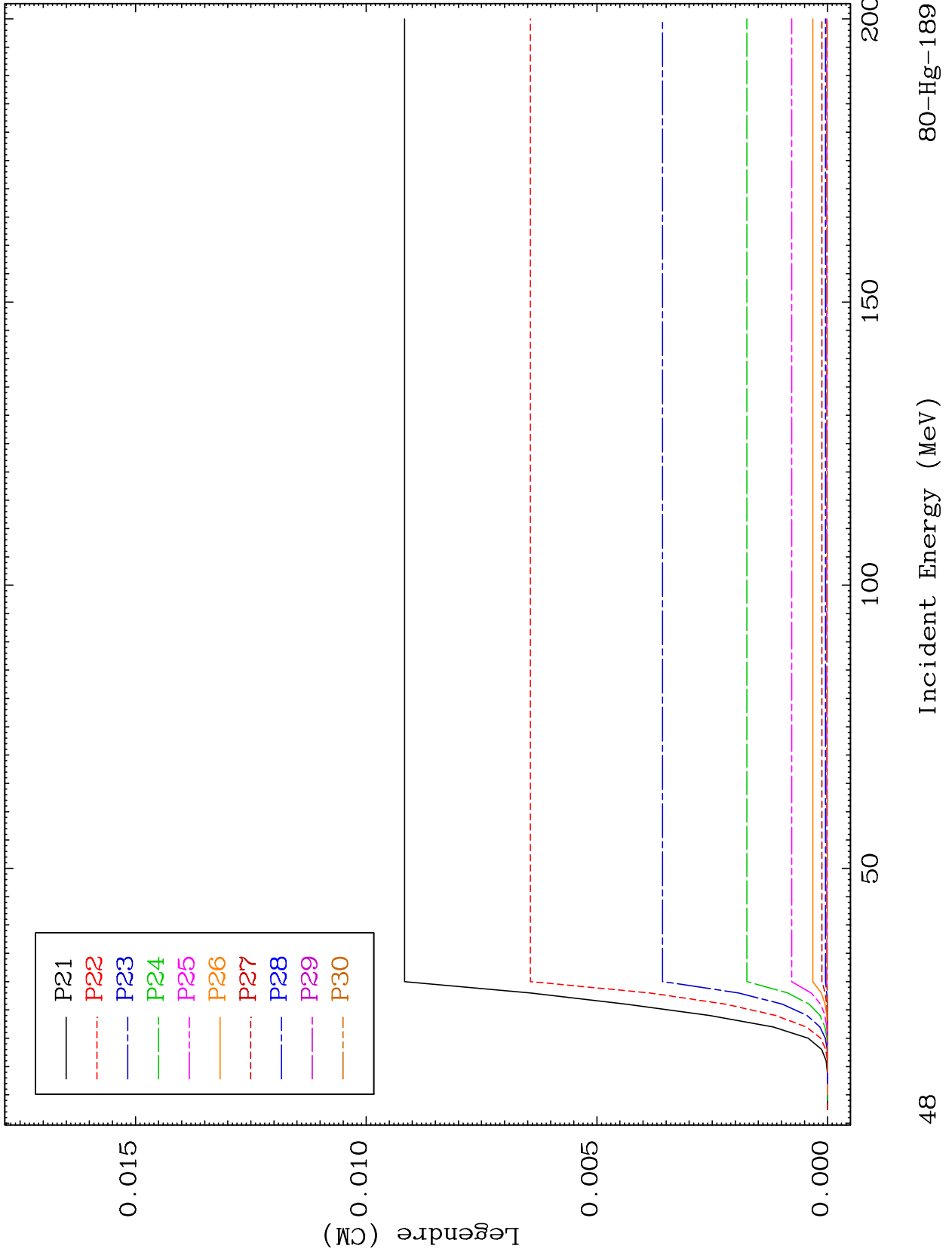
Incident Energy (MeV)

80-Hg-189

MAT 8004

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

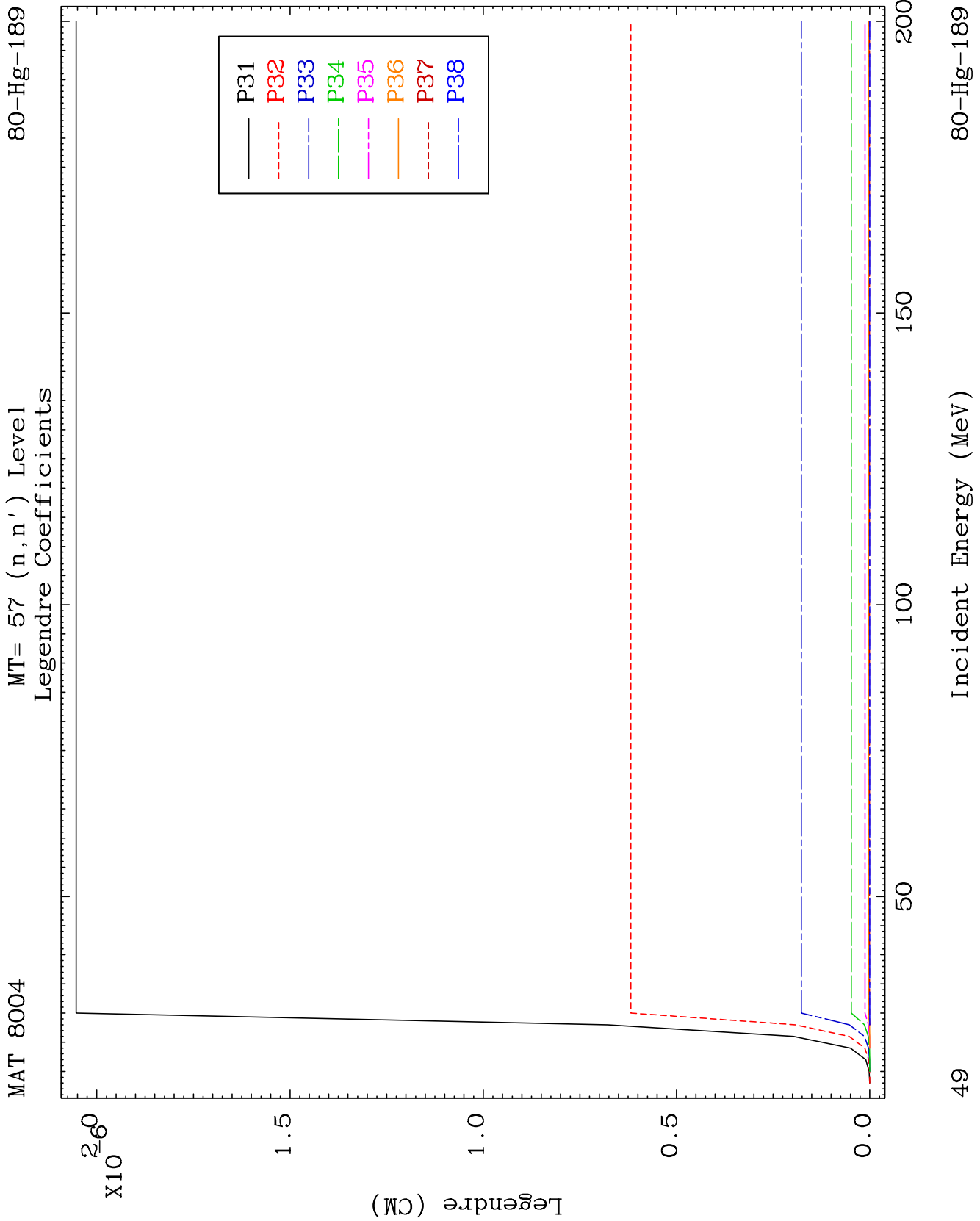
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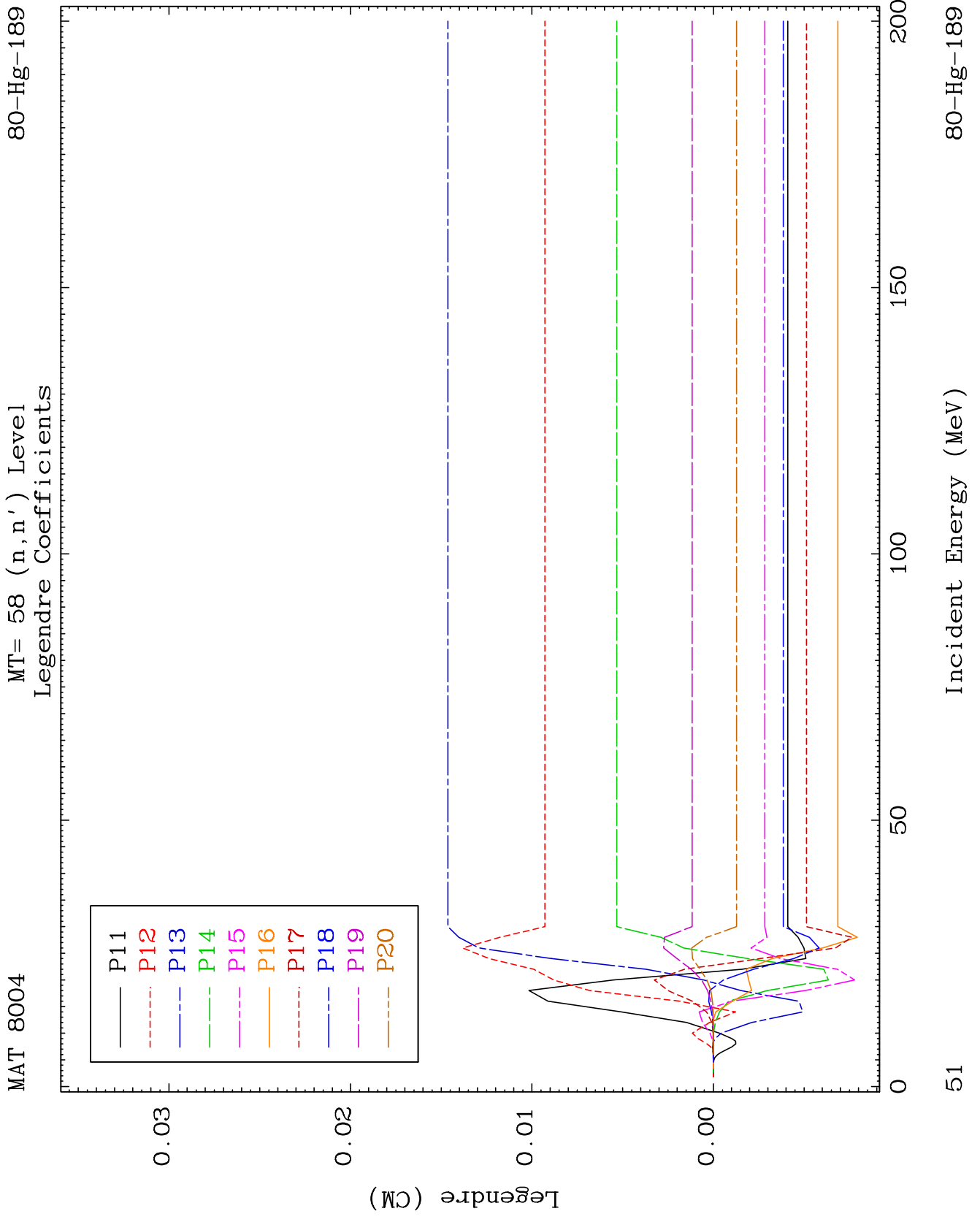


48

Incident Energy (MeV)

80-Hg-189

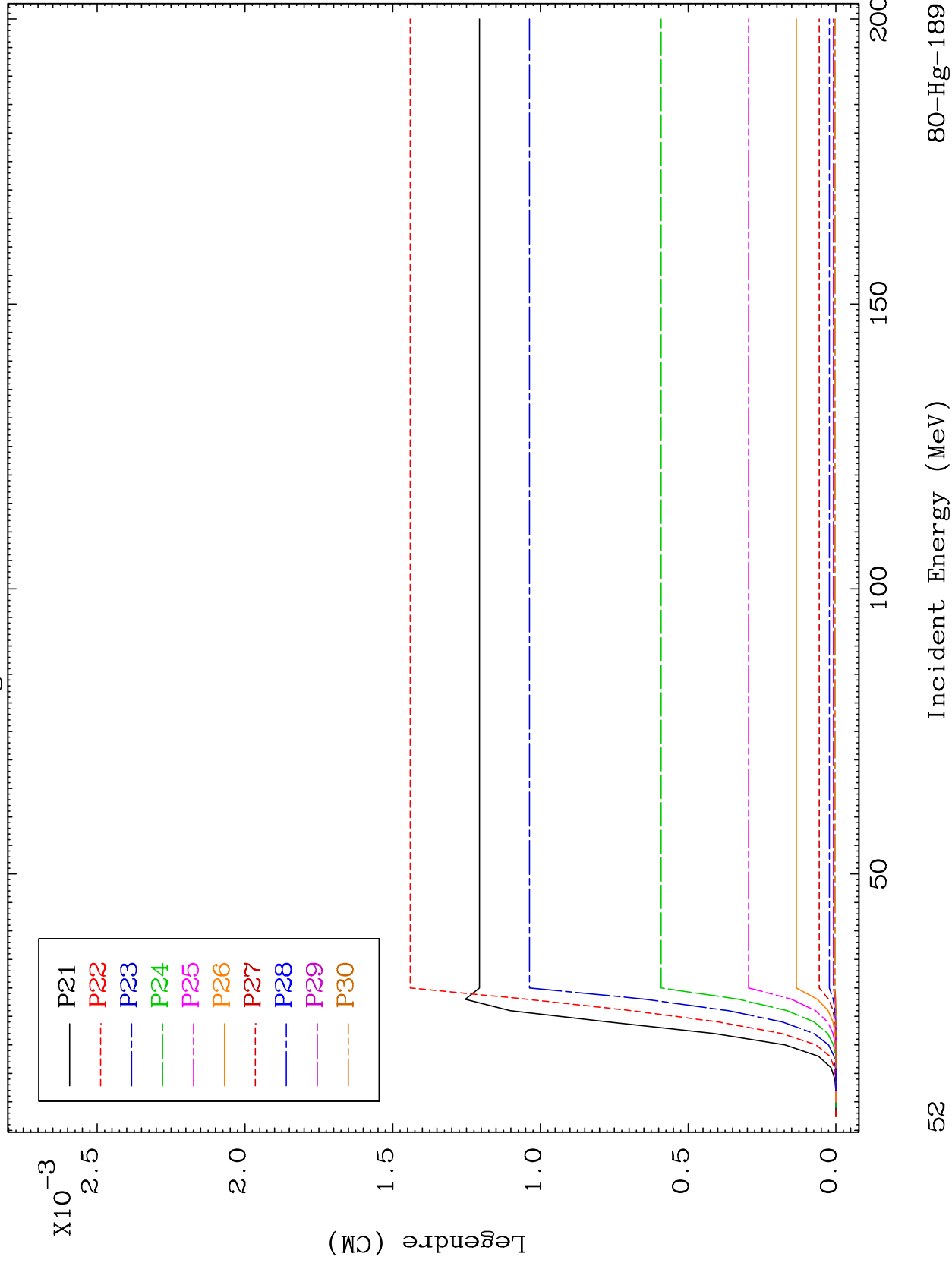




MAT 8004

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

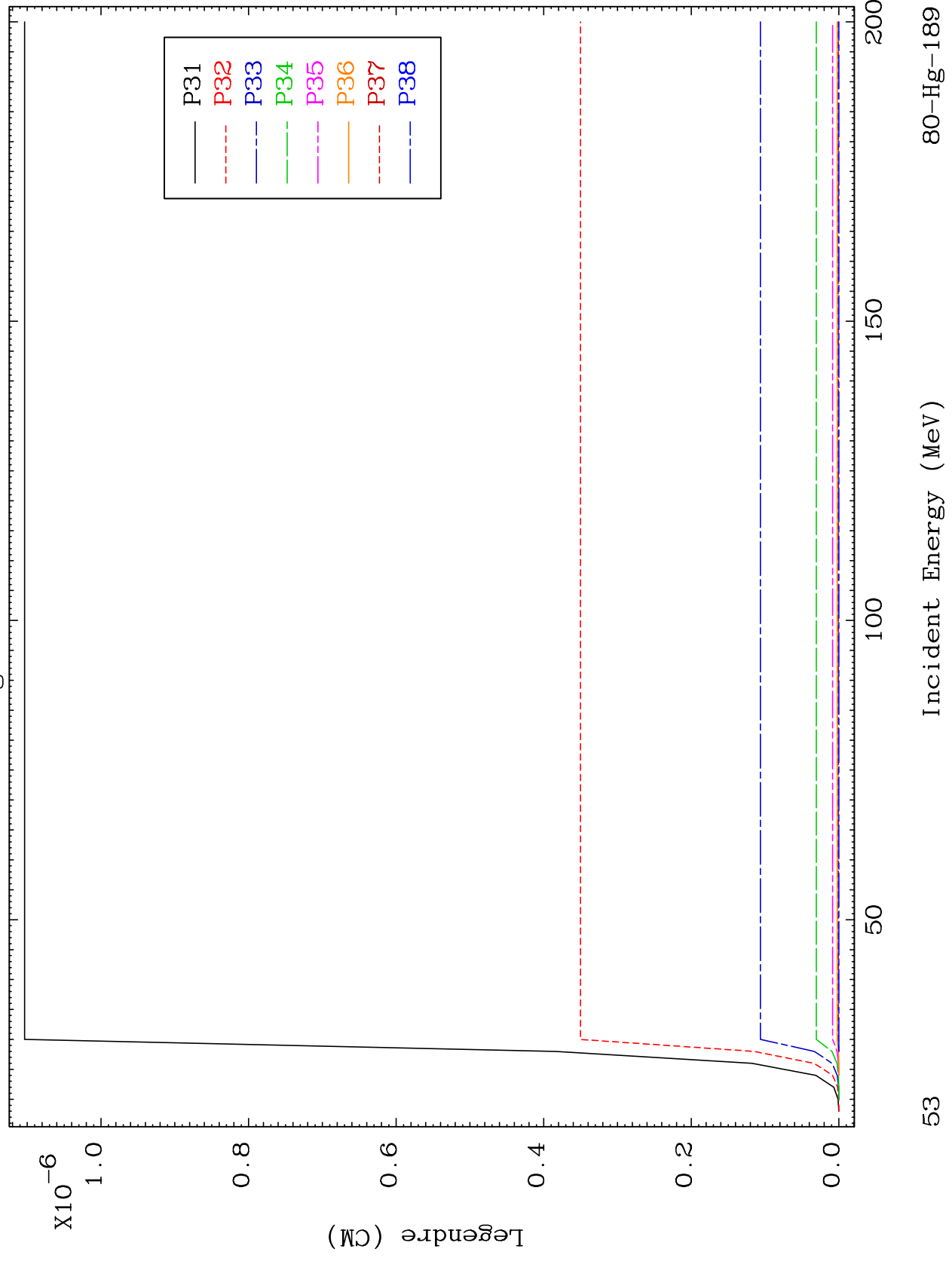
80-Hg-189



MAT 8004

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

80-Hg-189

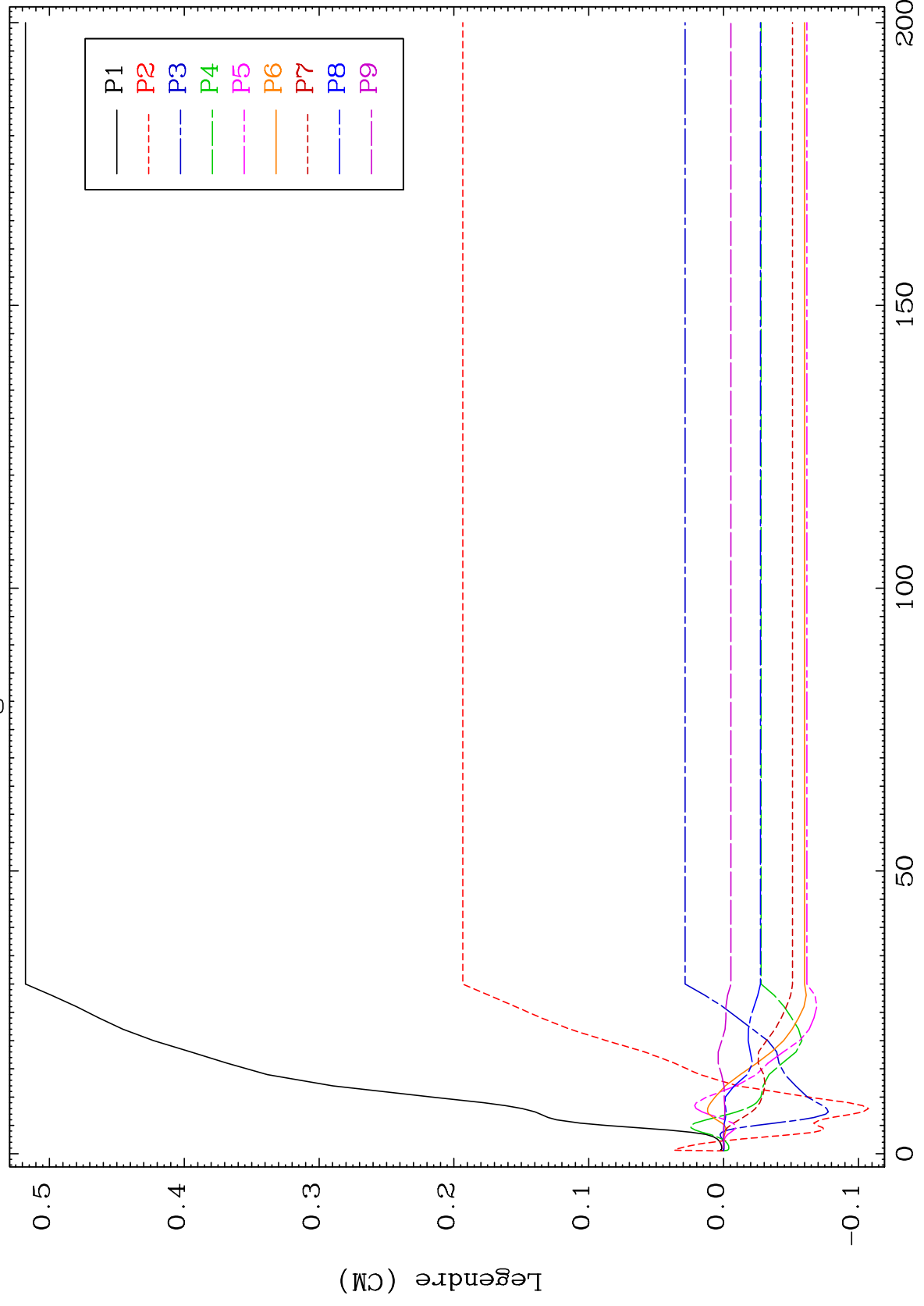


53

MAT 8004

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

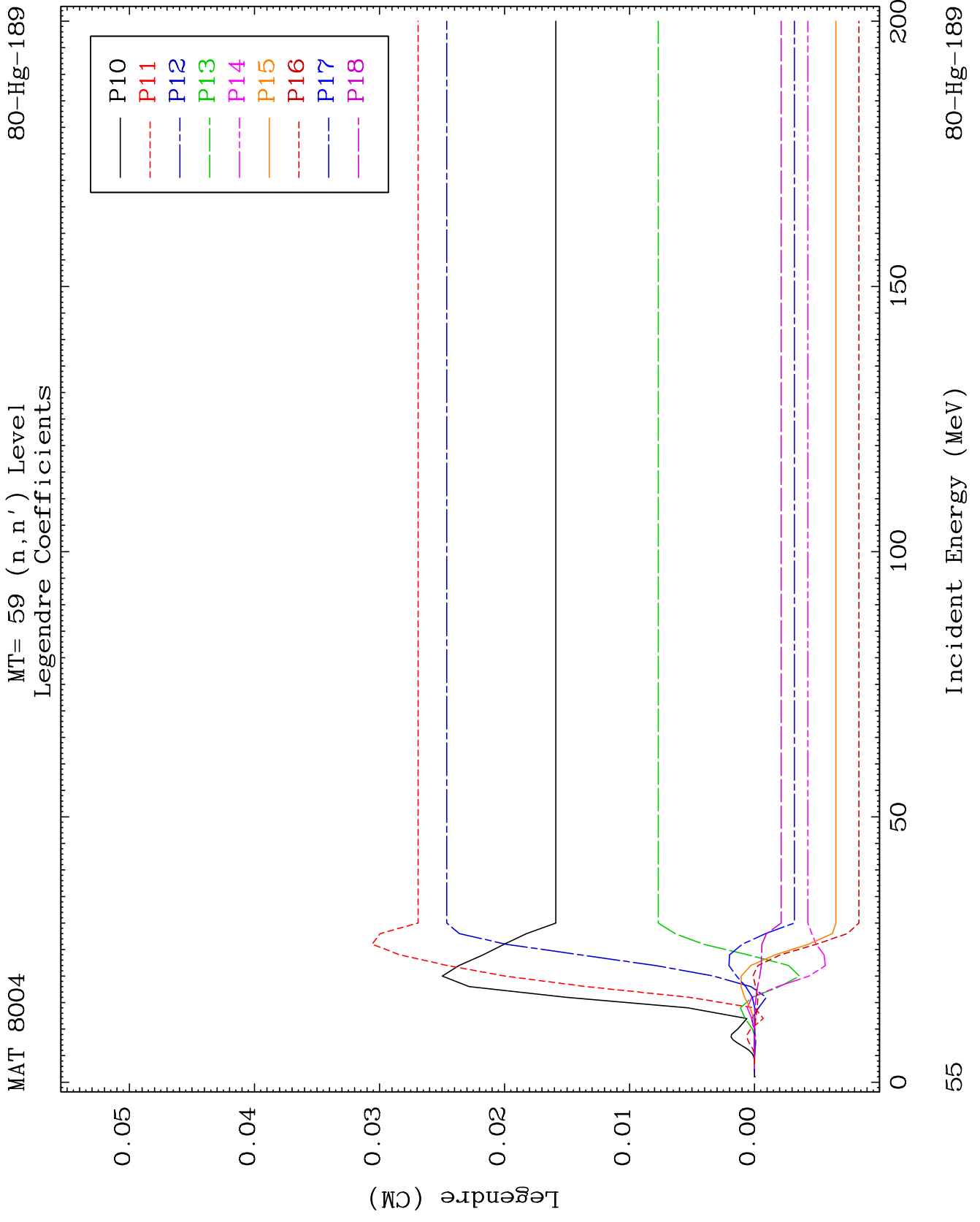
80-Hg-189



54

Incident Energy (MeV)

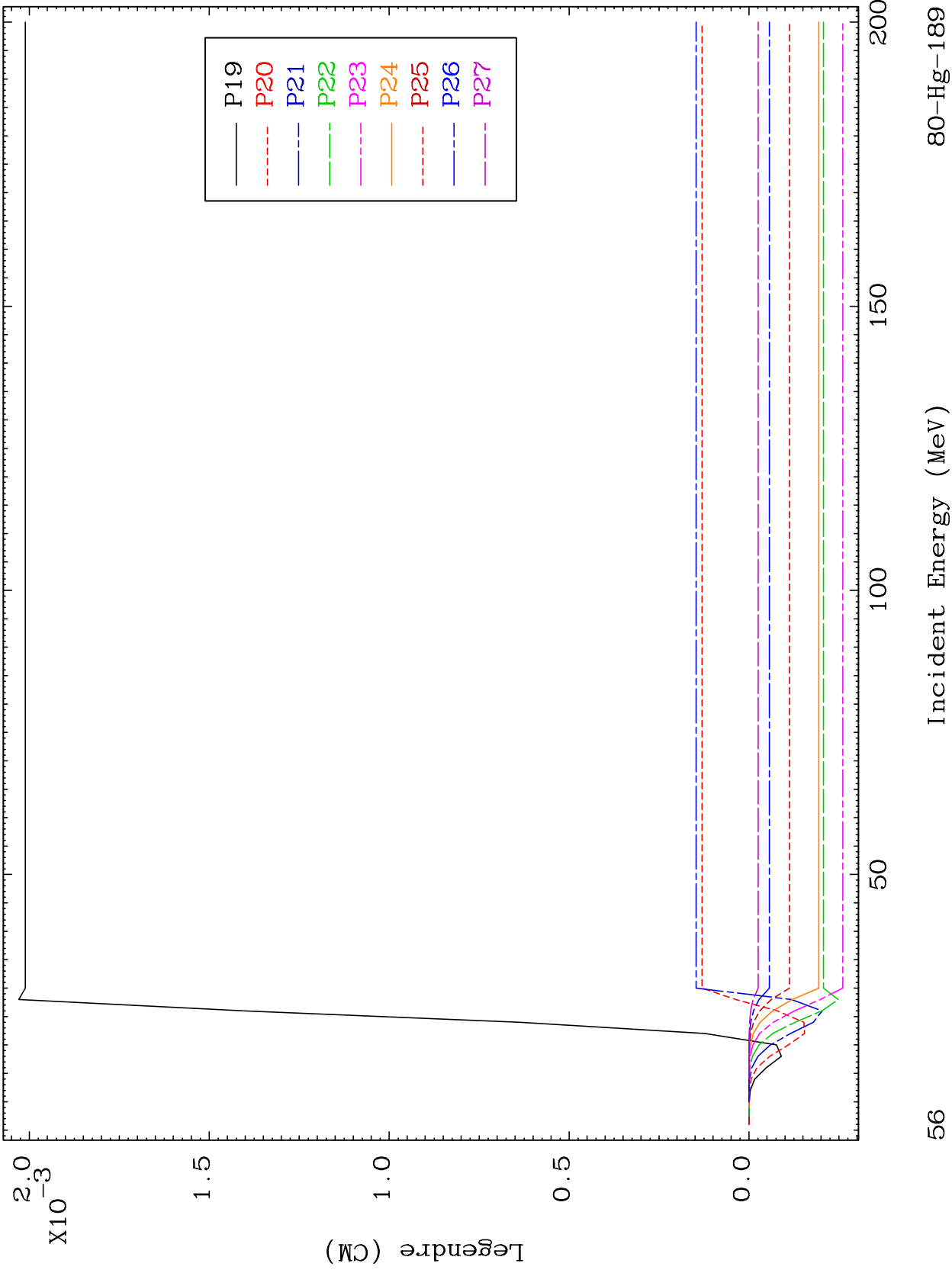
80-Hg-189



MAT 8004

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

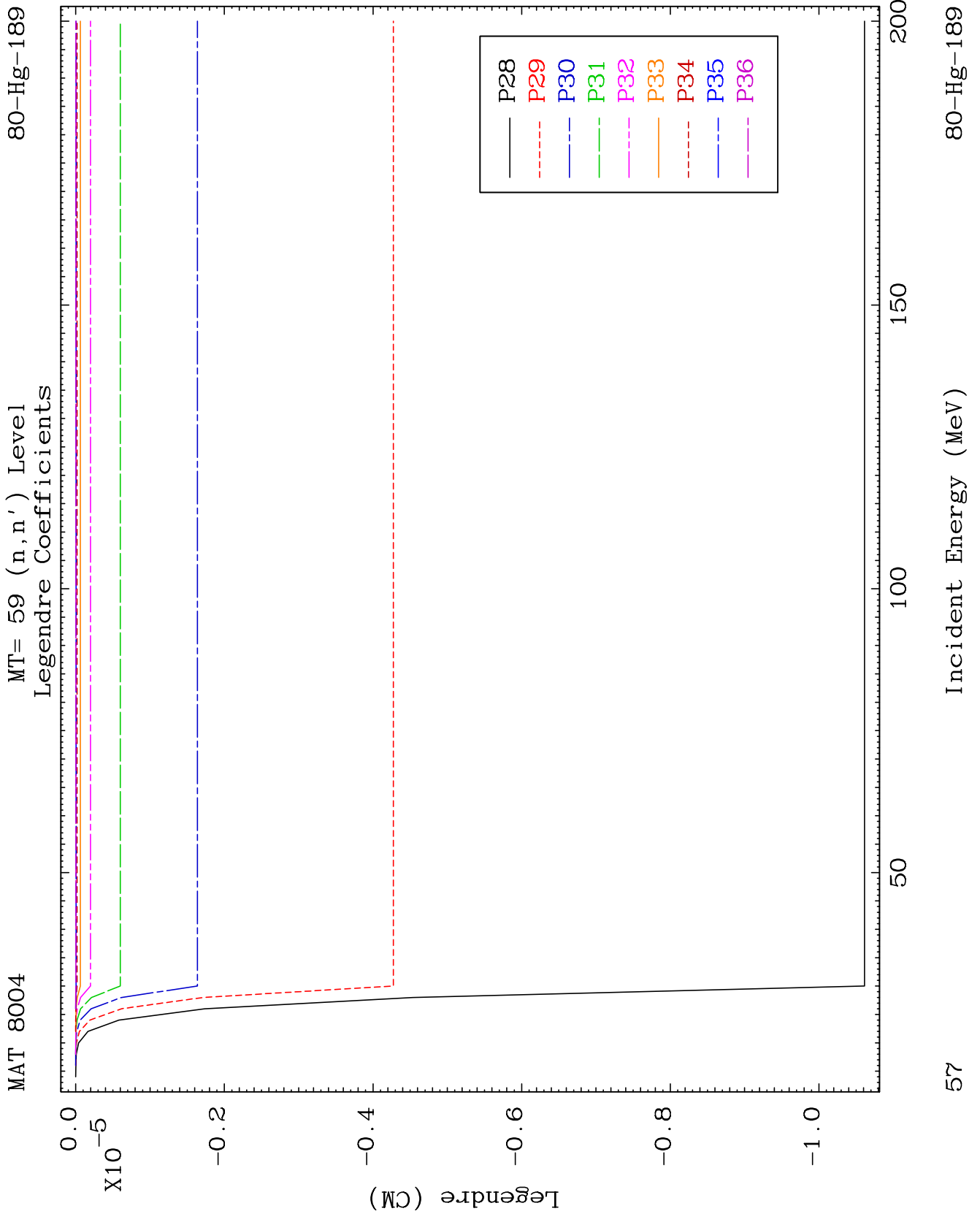
80-Hg-189



56

Incident Energy (MeV)

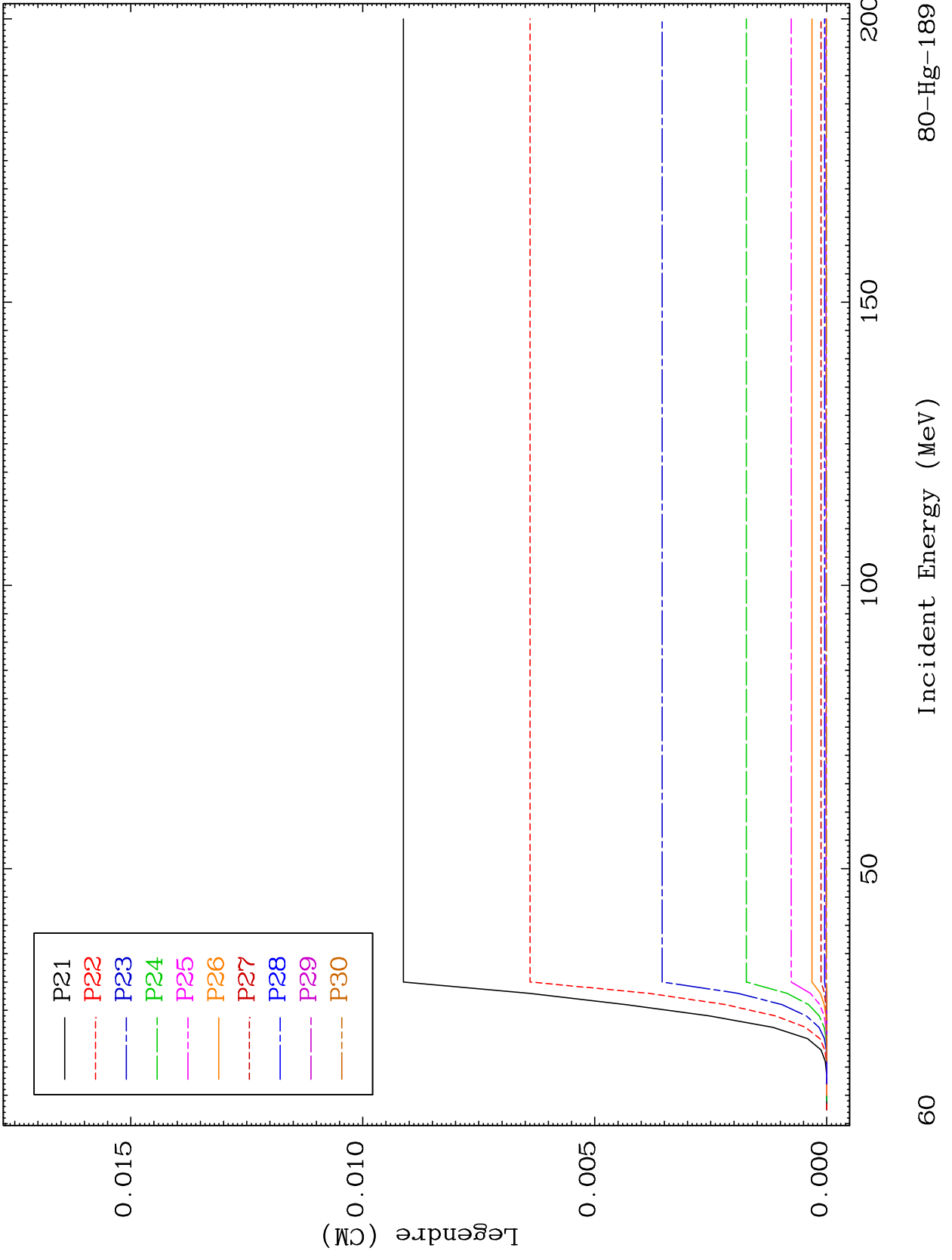
80-Hg-189



MAT 8004

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

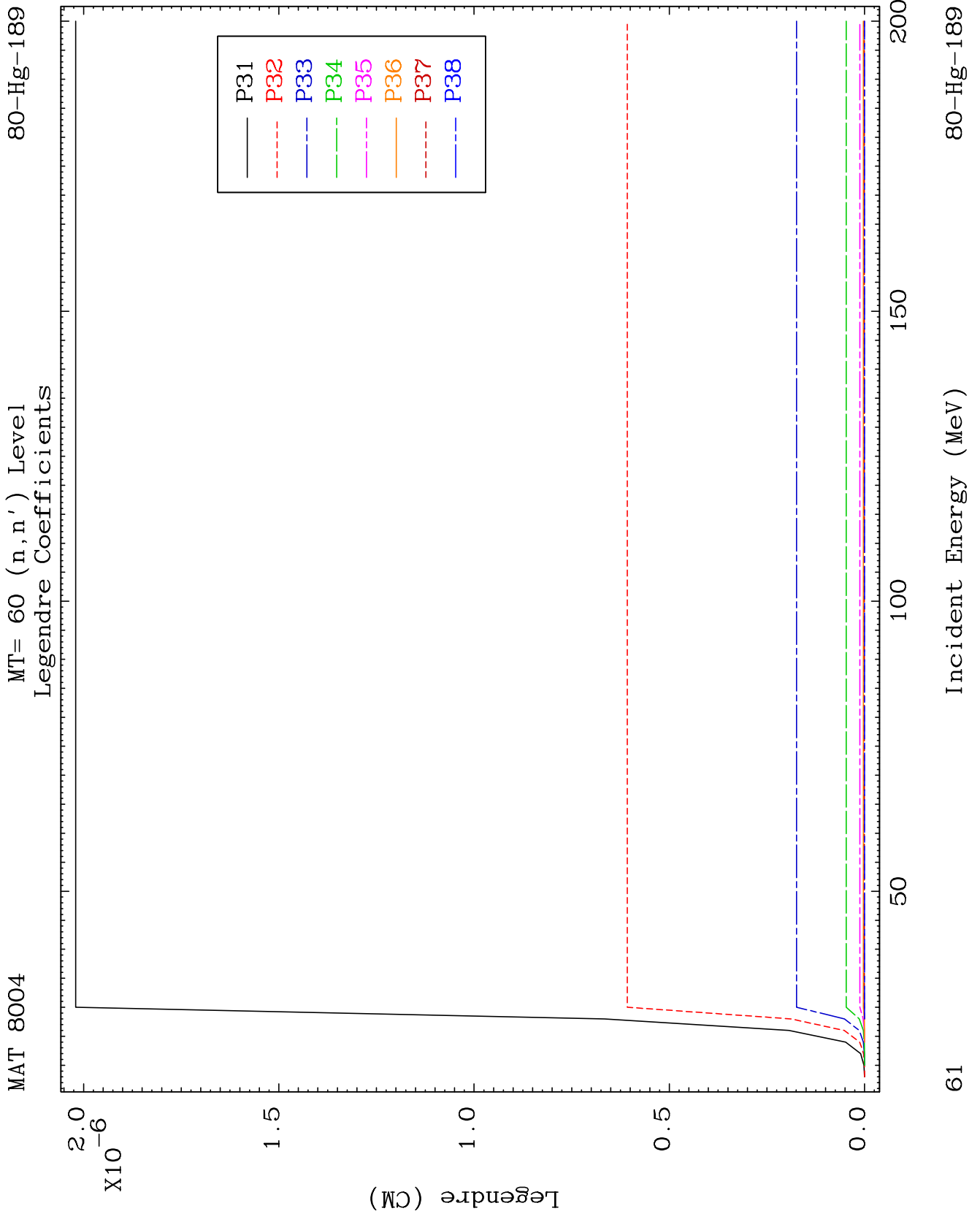
80-Hg-189



60

Incident Energy (MeV)

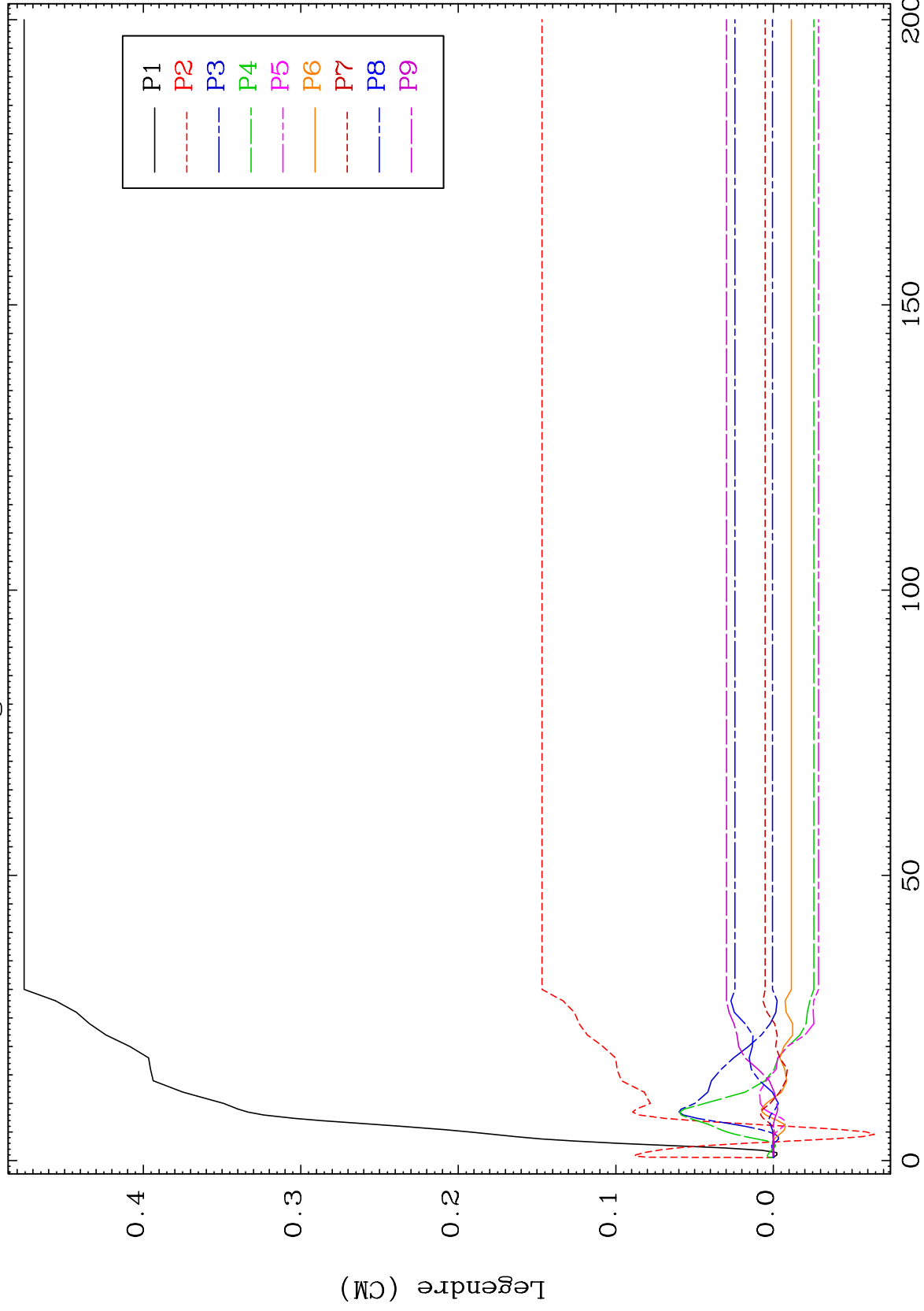
80-Hg-189



MAT 8004

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

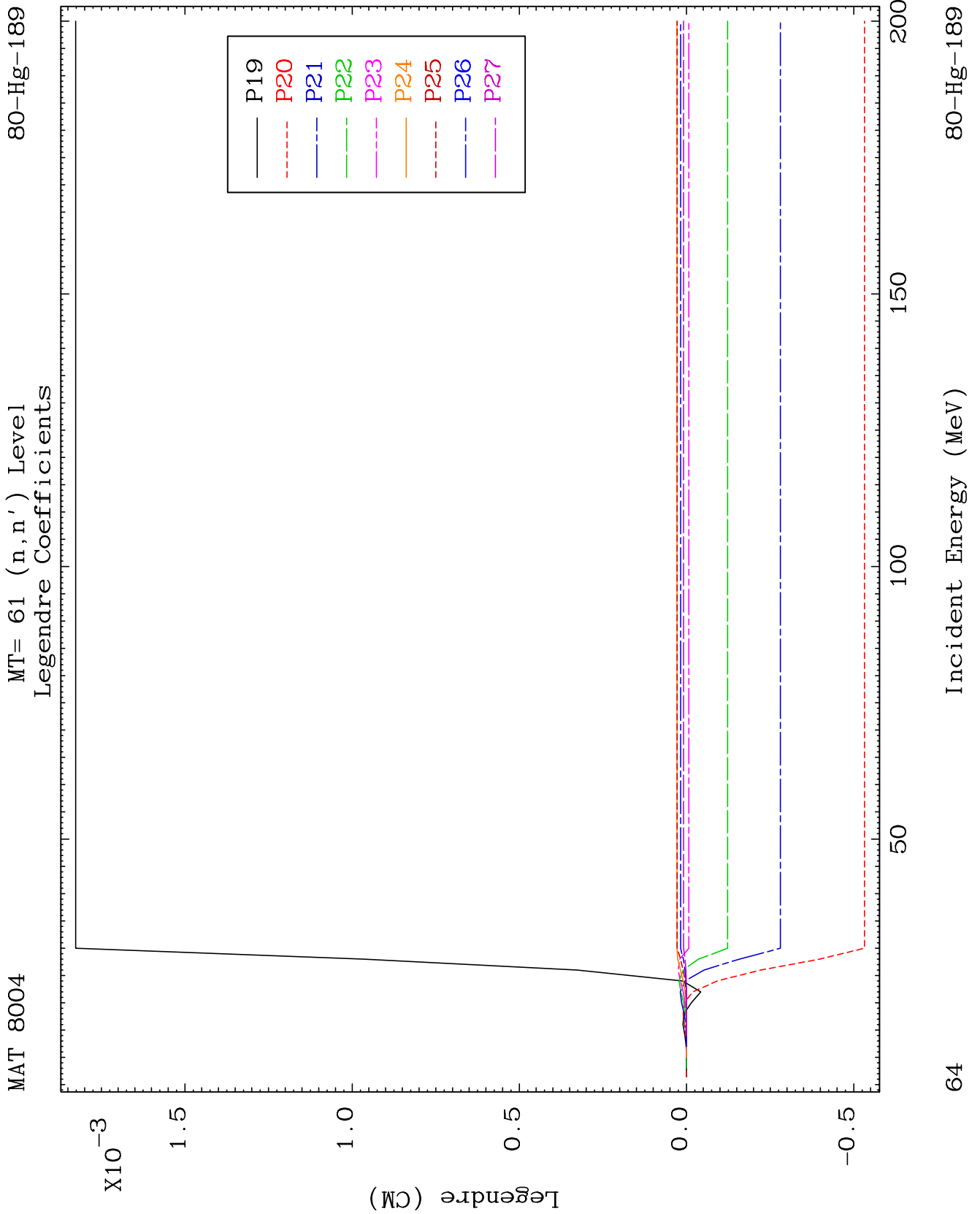
80-Hg-189



62

Incident Energy (MeV)

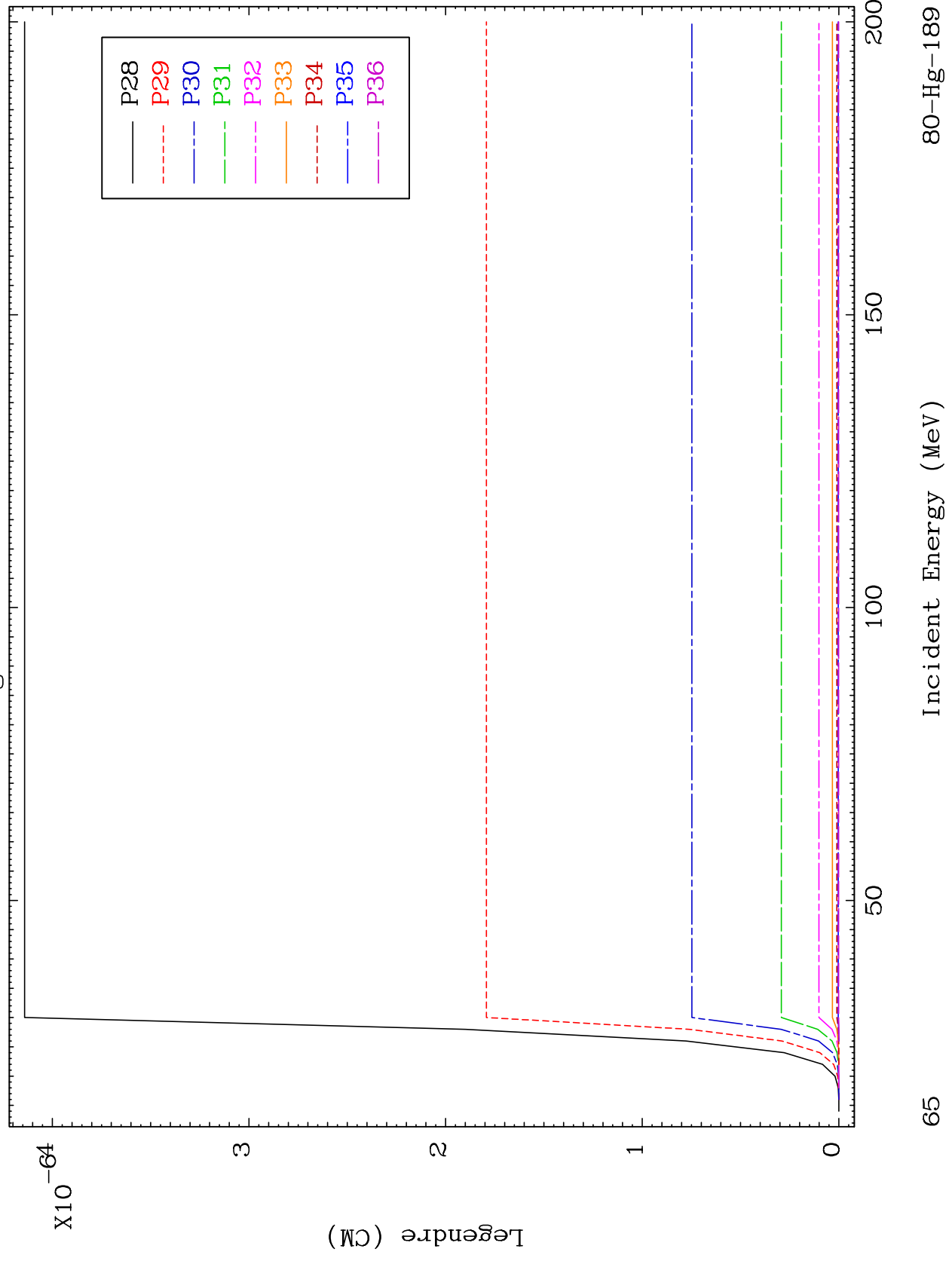
80-Hg-189



MAT 8004

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

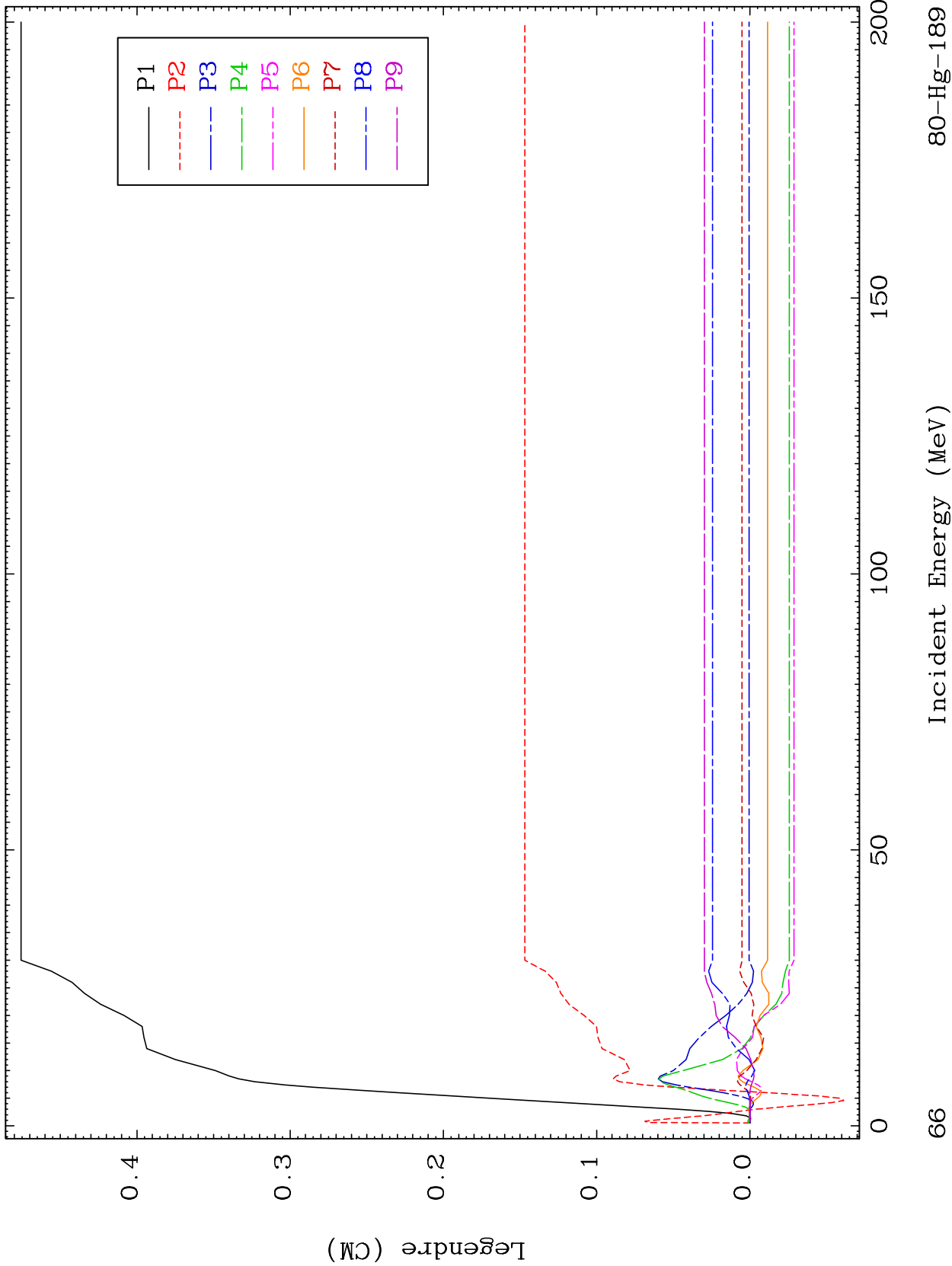
80-Hg-189



MAT 8004

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

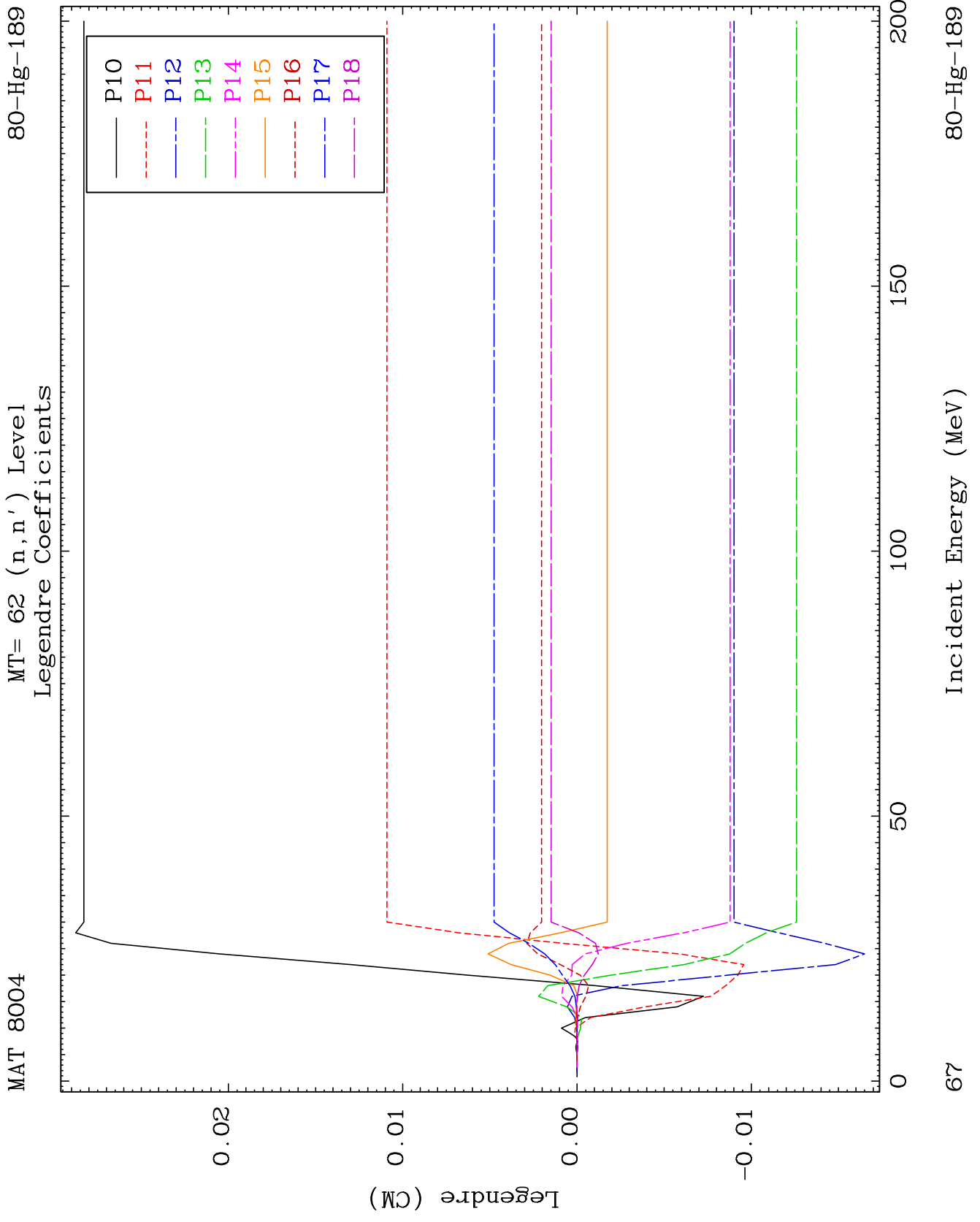
80-Hg-189



66

Incident Energy (MeV)

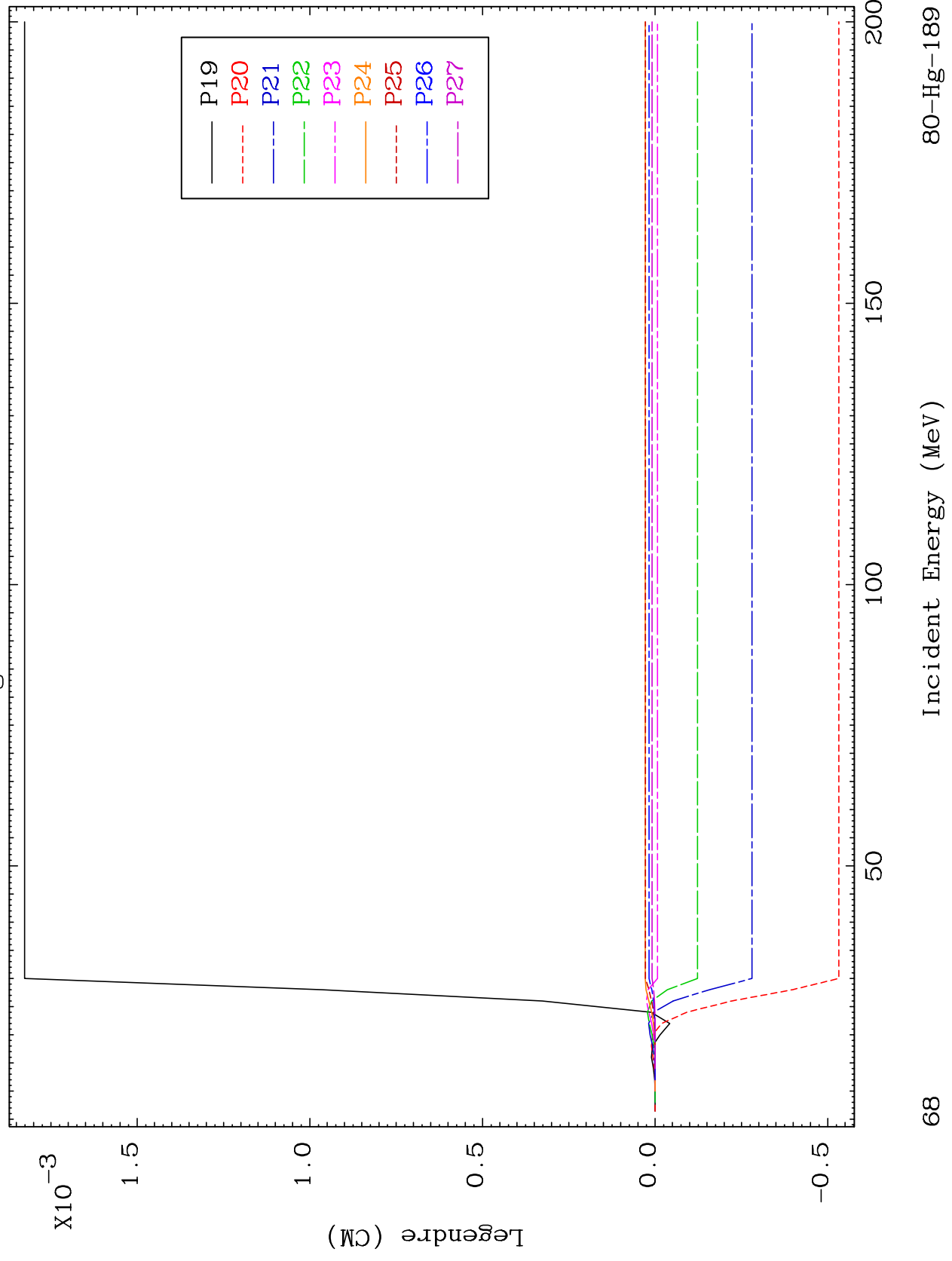
80-Hg-189



MAT 8004

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

80-Hg-189



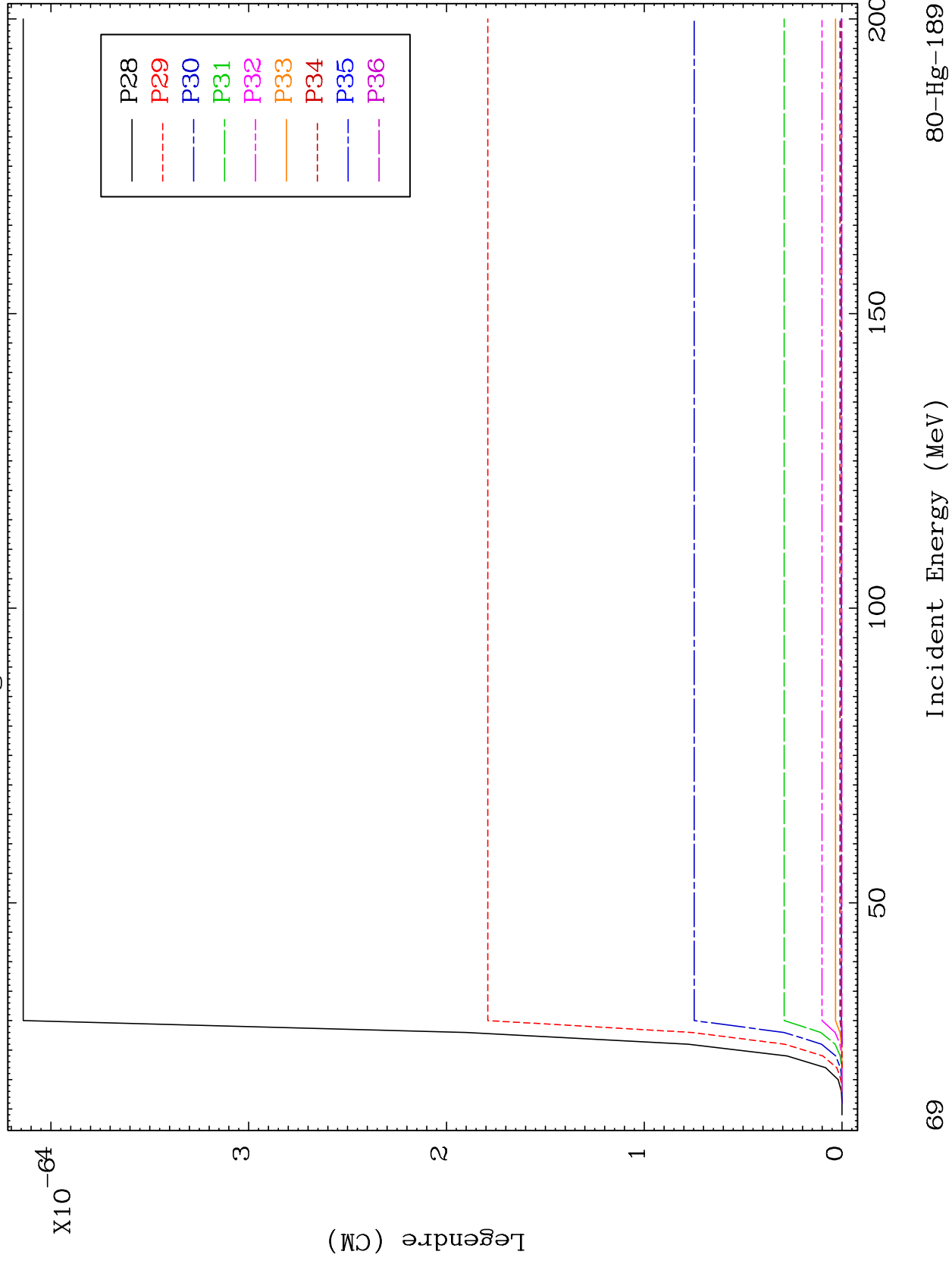
68

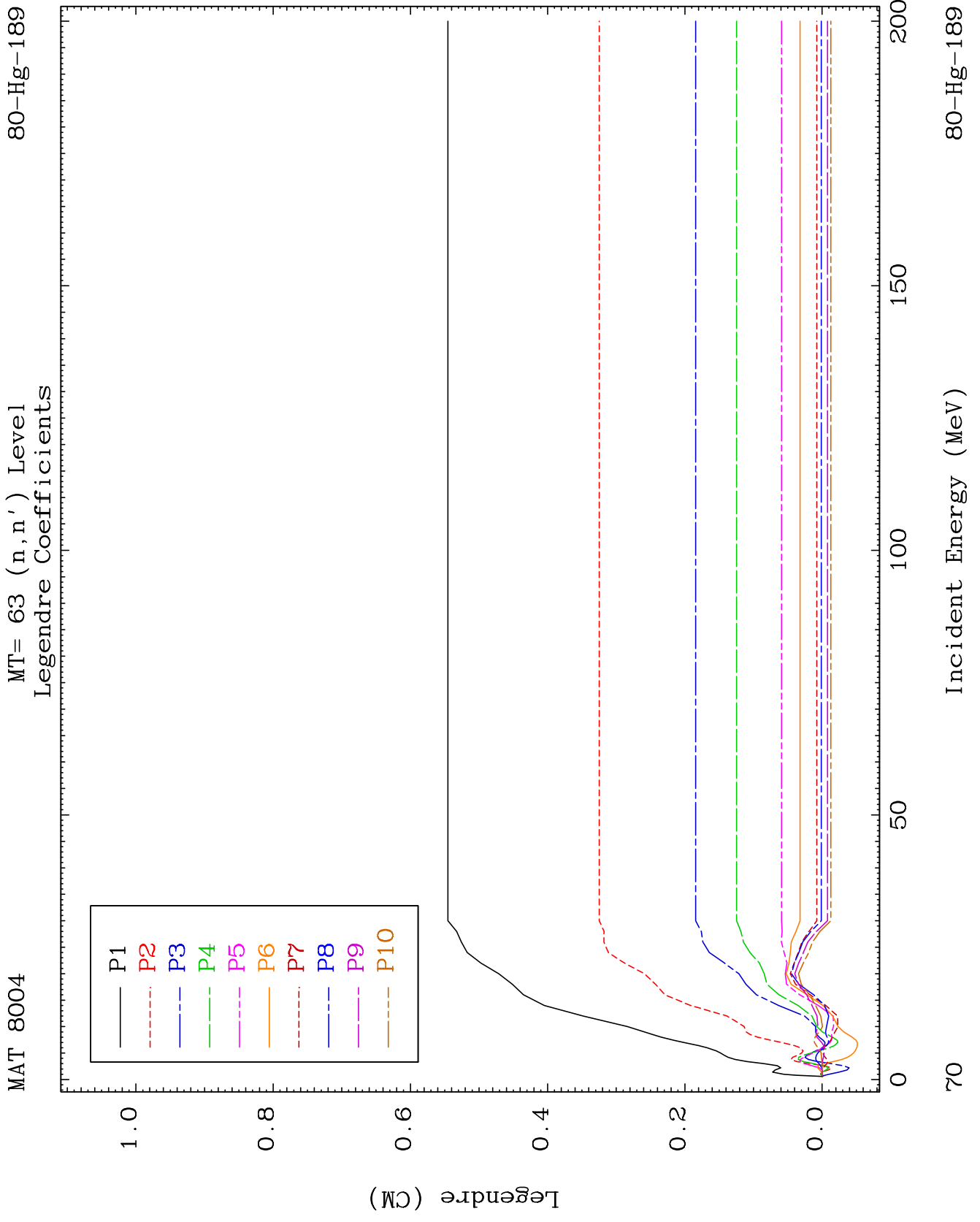
80-Hg-189

MAT 8004

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

80-Hg-189

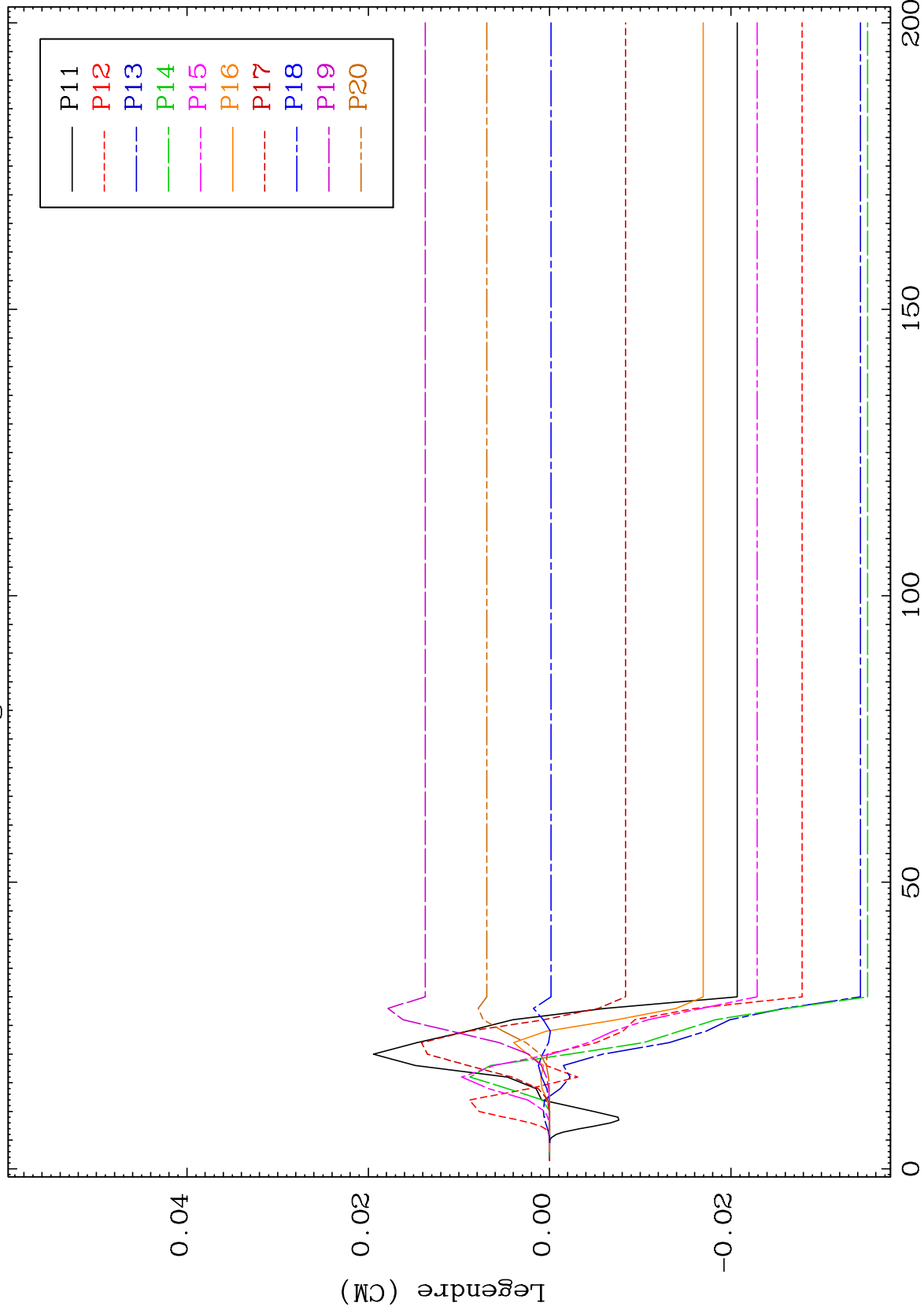




MAT 8004

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

80-Hg-189



71

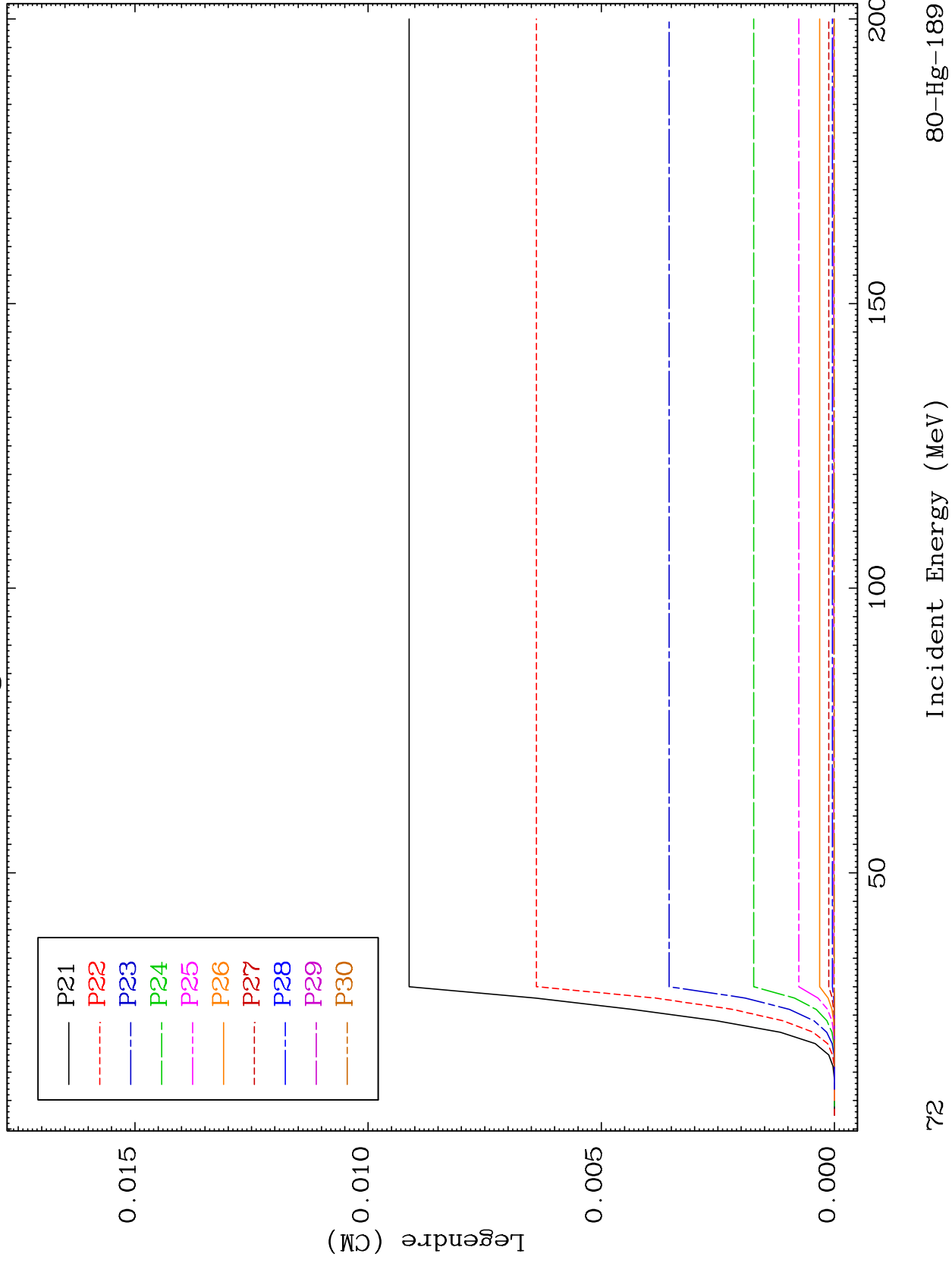
Incident Energy (MeV)

80-Hg-189

MAT 8004

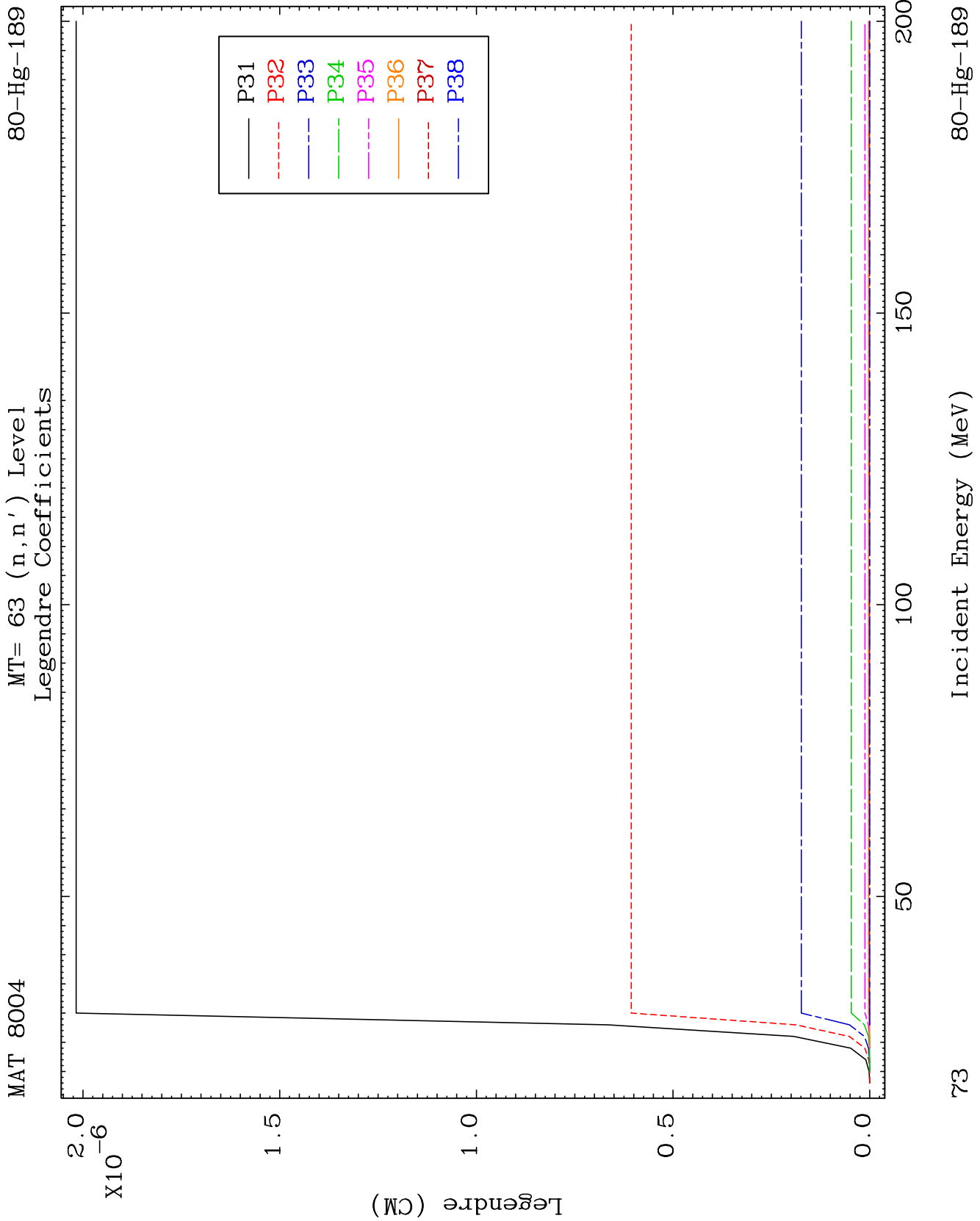
MT= 63 (n,n') Level
Legendre Coefficients

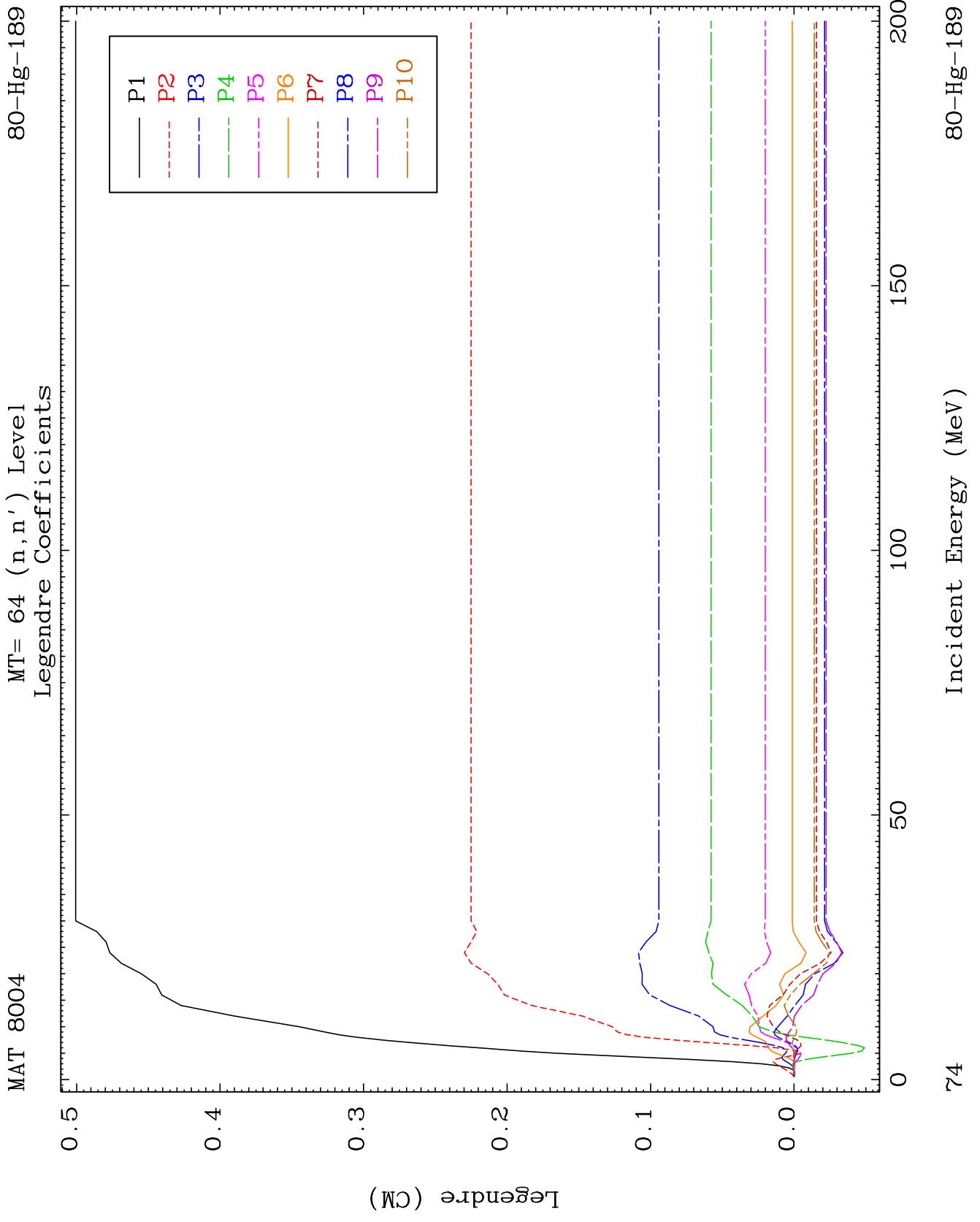
80-Hg-189

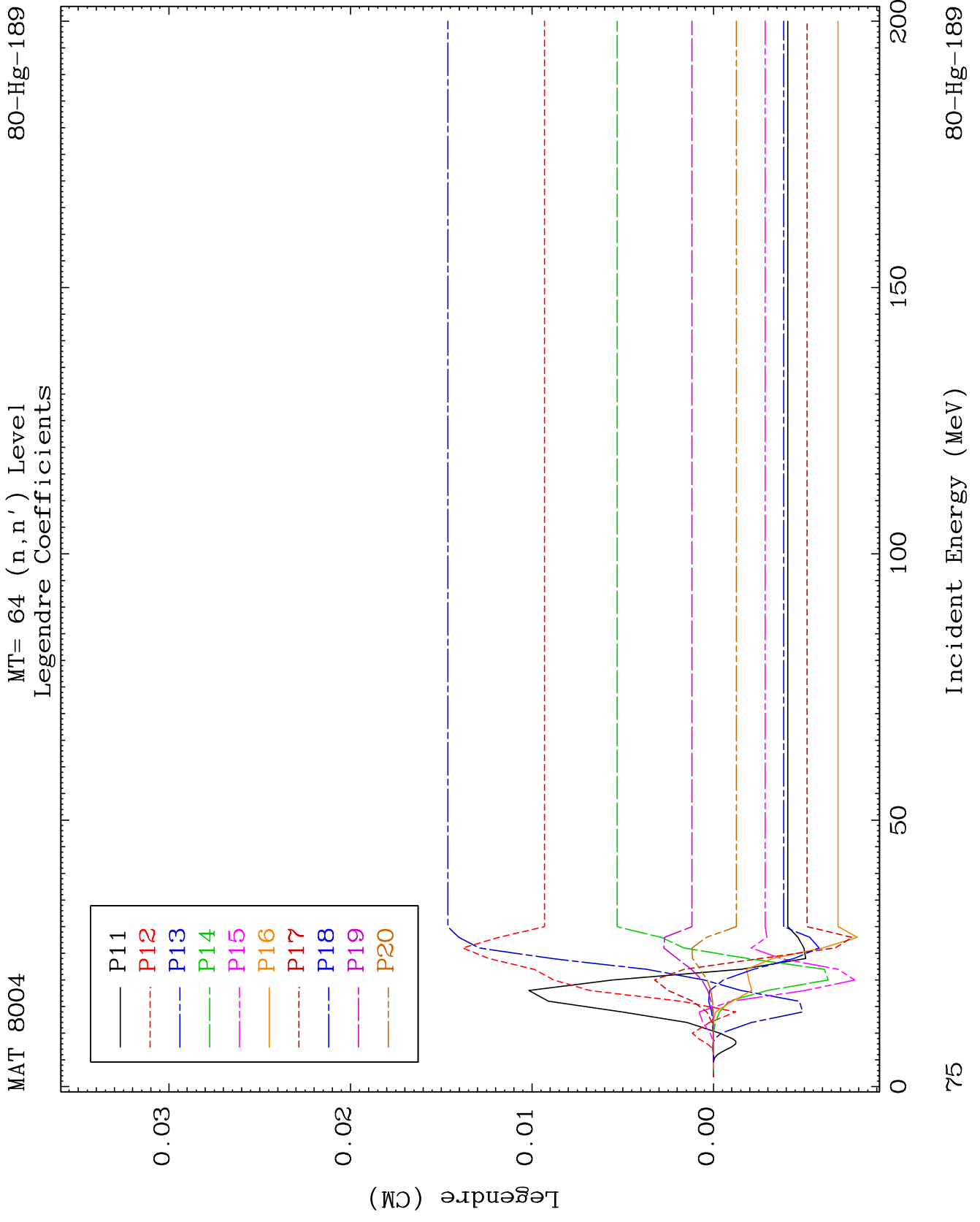


72

80-Hg-189



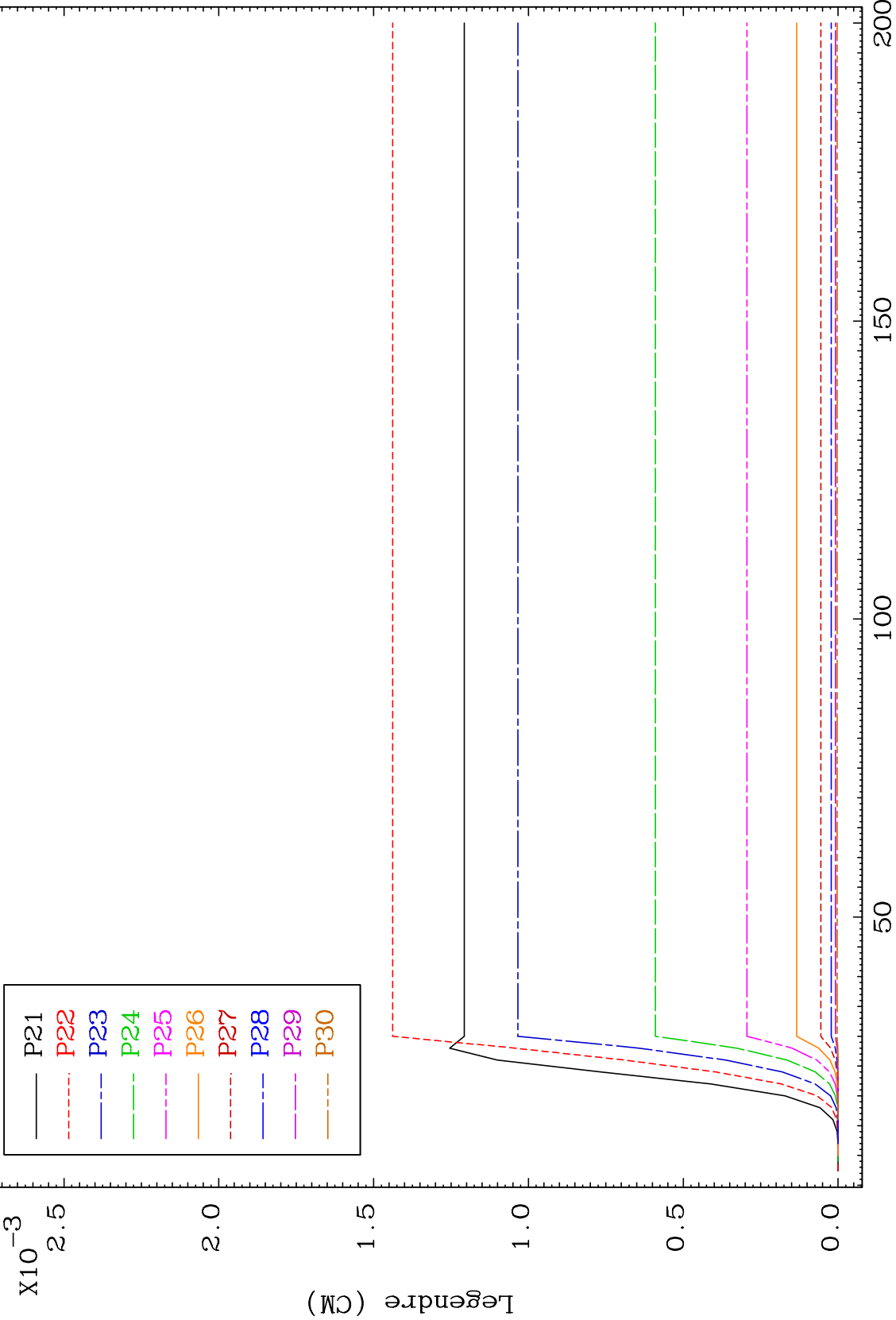
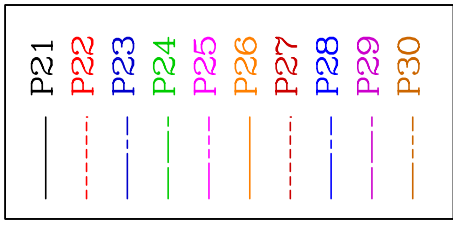




MAT 8004

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

80-Hg-189



76

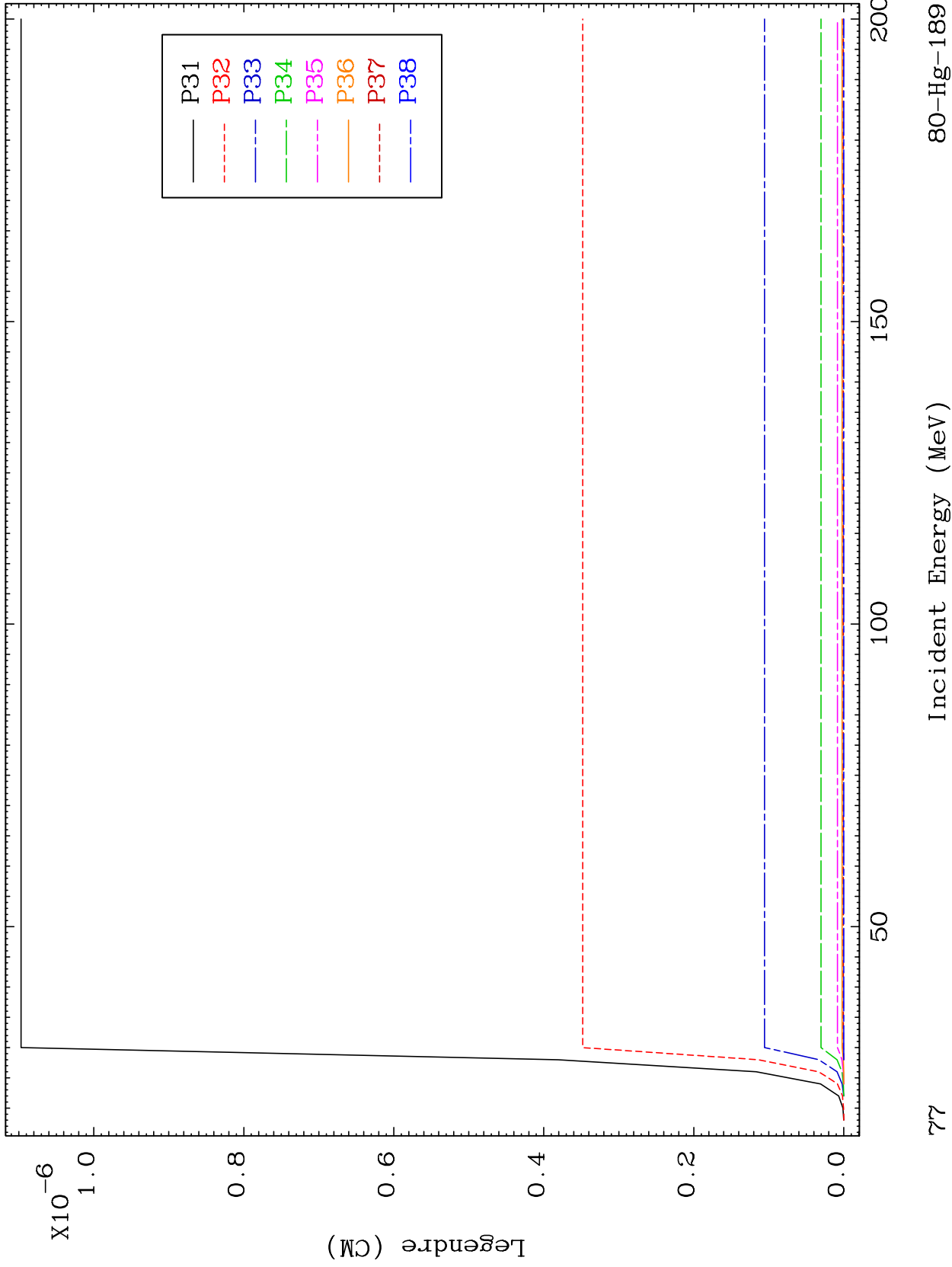
Incident Energy (MeV)

80-Hg-189

MAT 8004

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

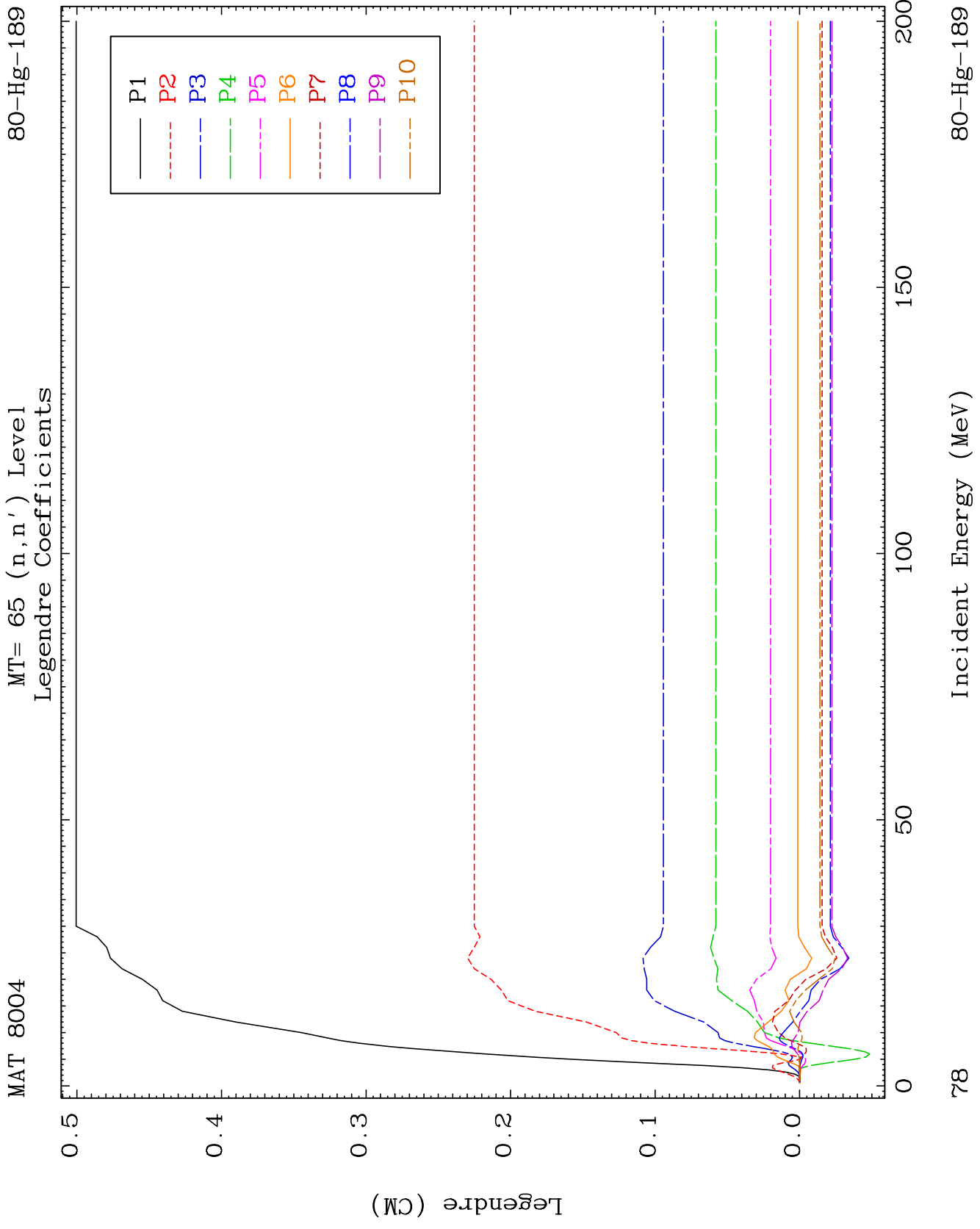
80-Hg-189

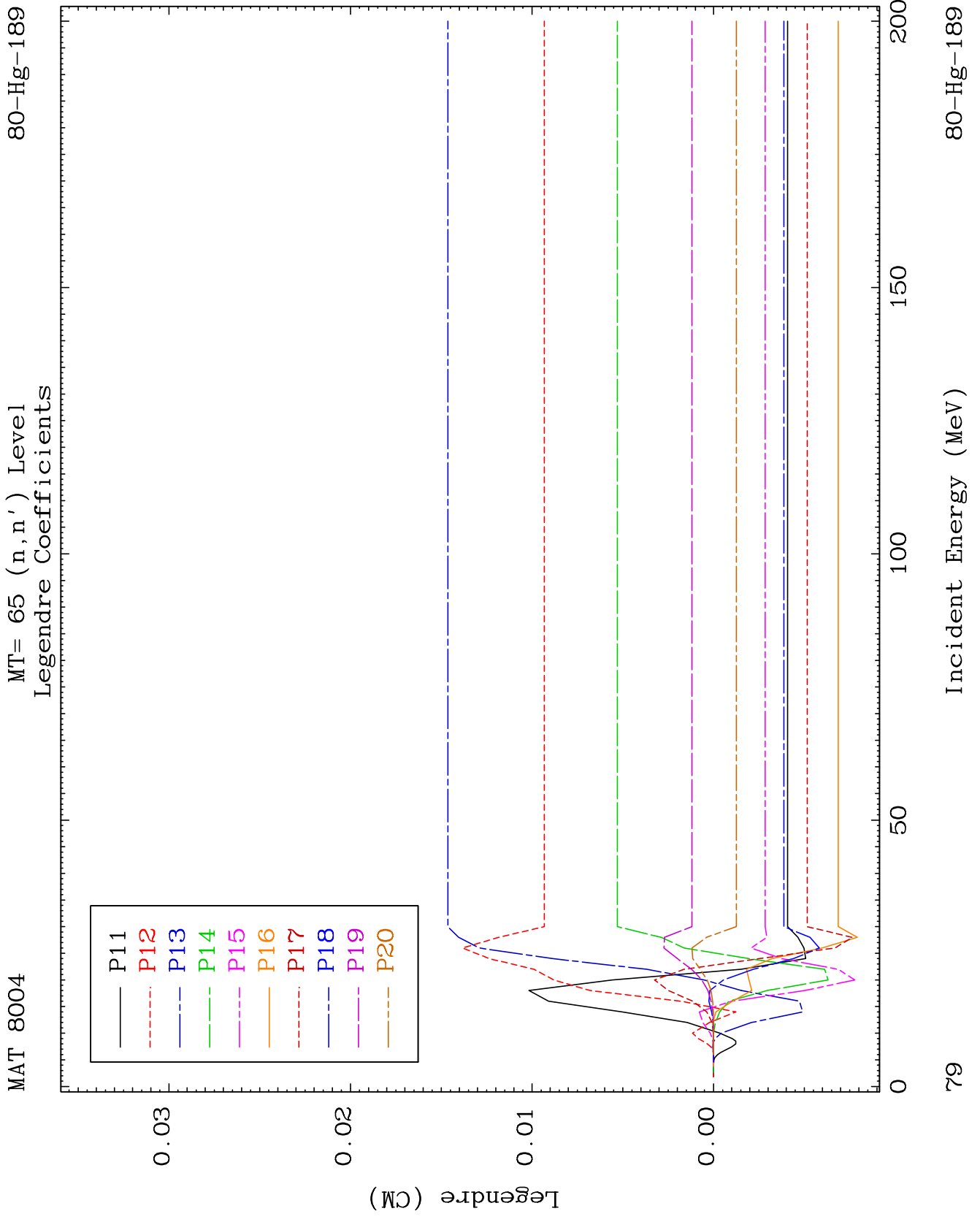


77

Incident Energy (MeV)

80-Hg-189

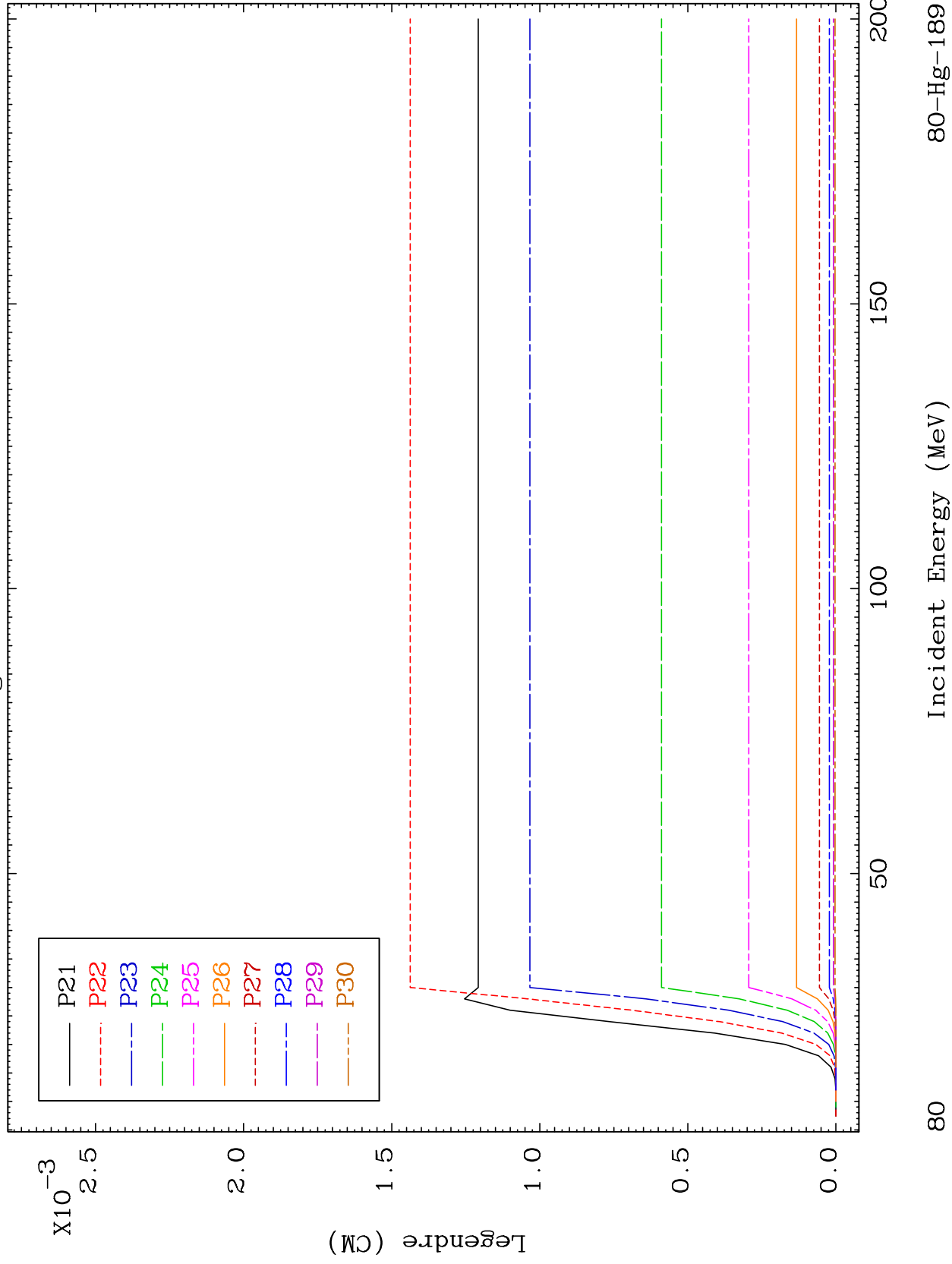




MAT 8004

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

80-Hg-189



80

Incident Energy (MeV)

80-Hg-189

MAT 8004

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

80-Hg-189

$\times 10^{-6}$
1.0

0.8

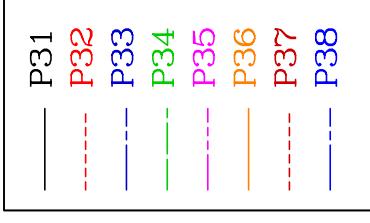
0.6

0.4

0.2

0.0

Legendre (CM)



50

100

150

200

81

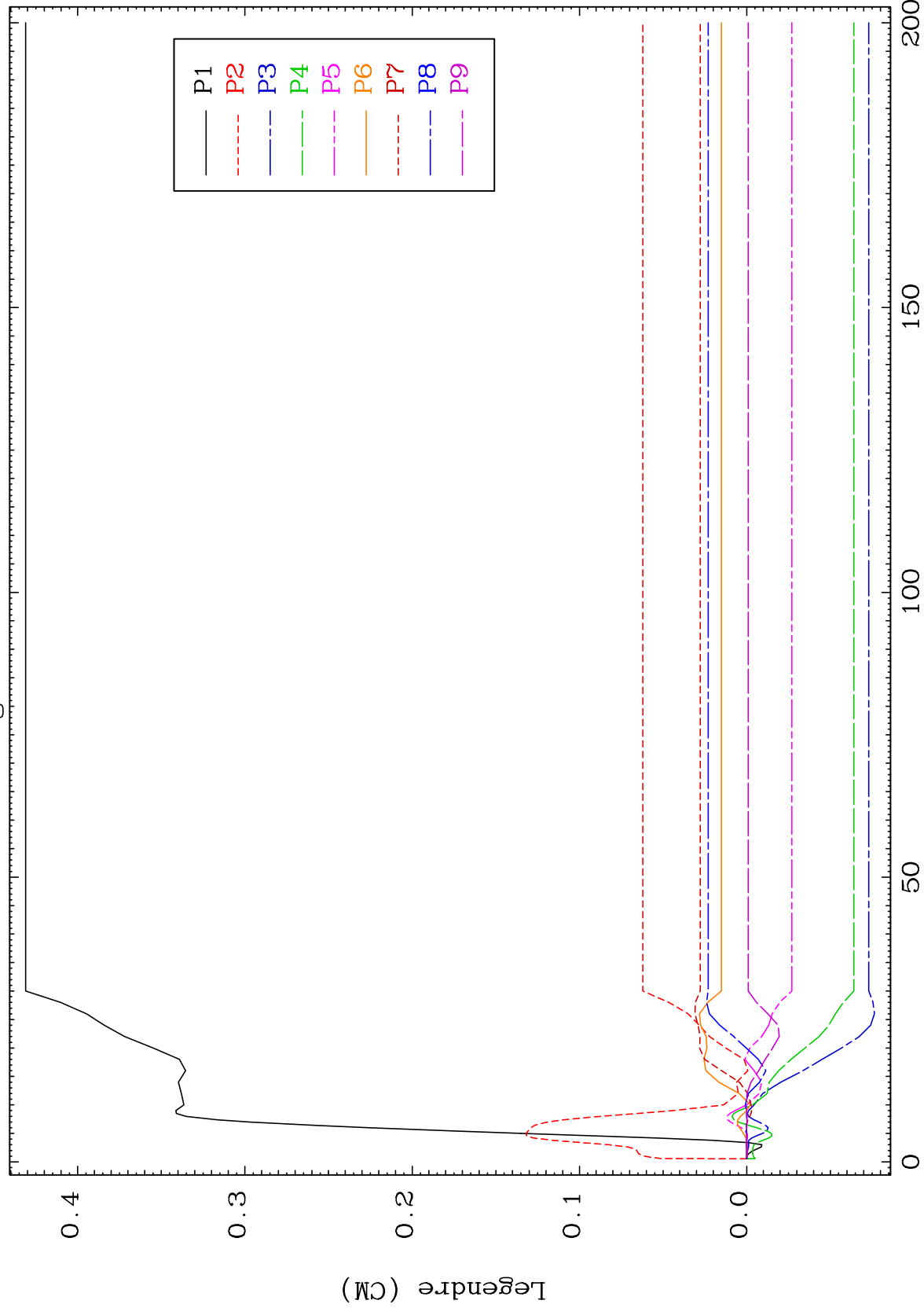
Incident Energy (MeV)

80-Hg-189

MAT 8004

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

80-Hg-189



82

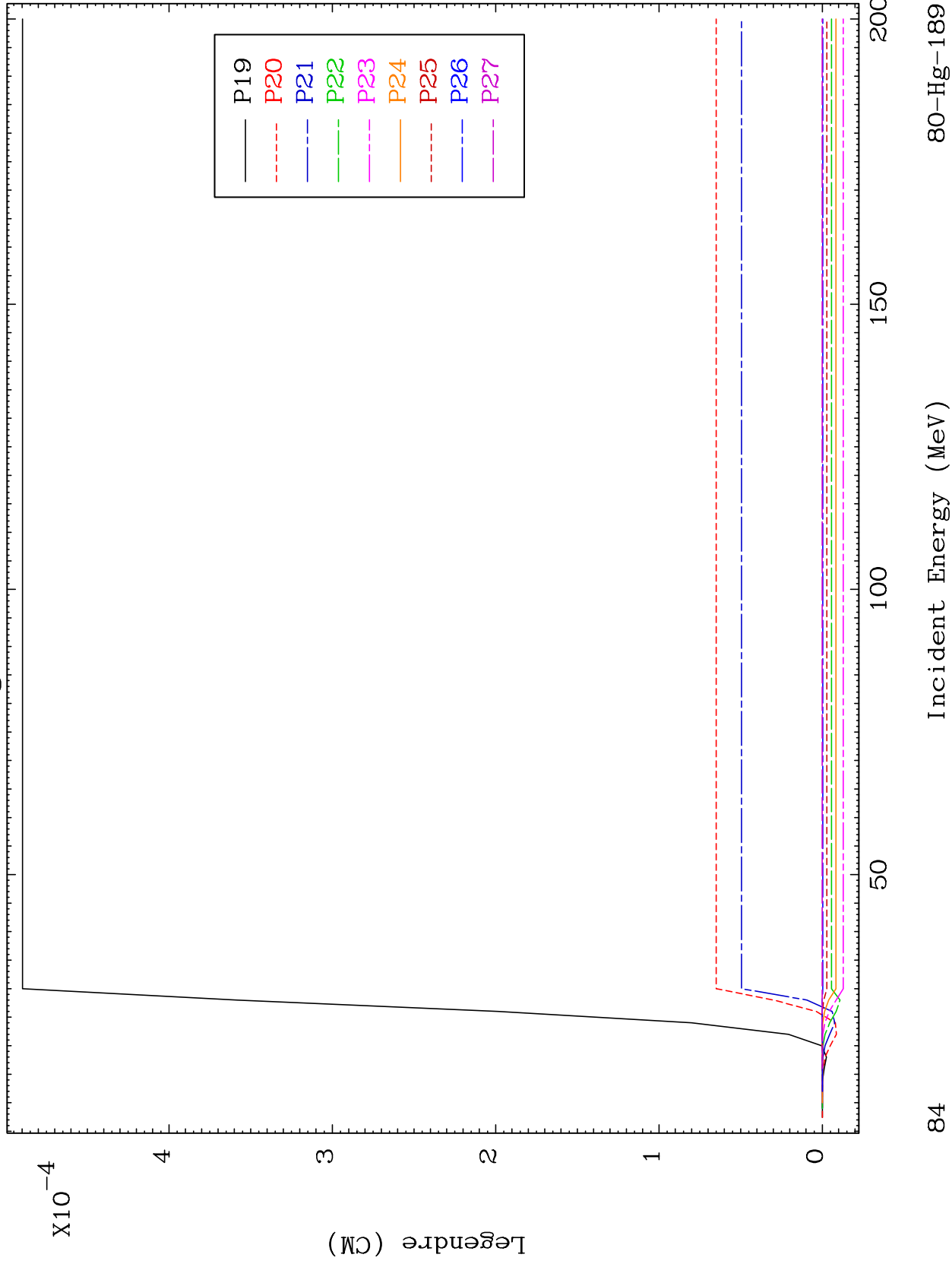
Incident Energy (MeV)

80-Hg-189

MAT 8004

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

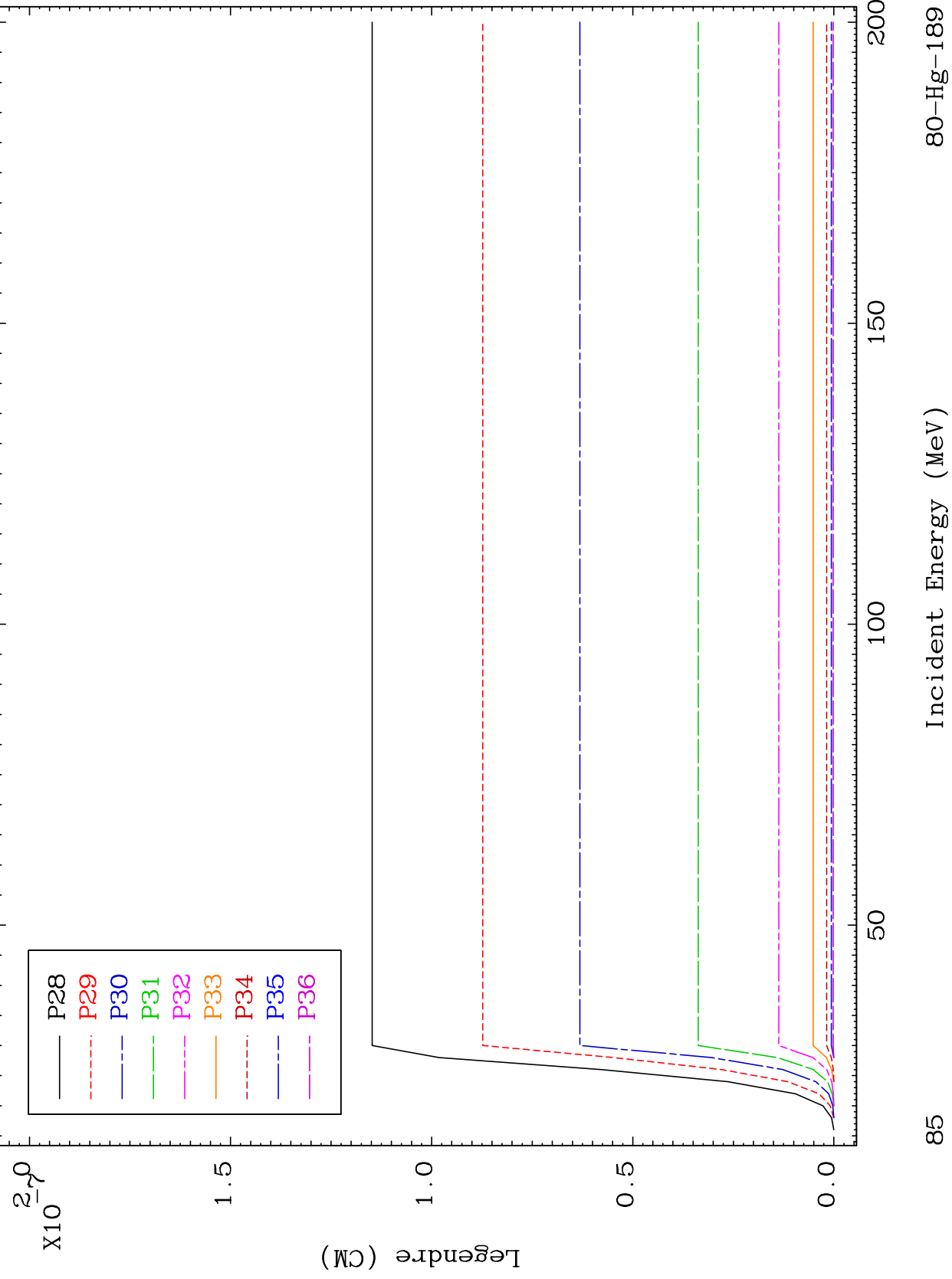
80-Hg-189



MAT 8004

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

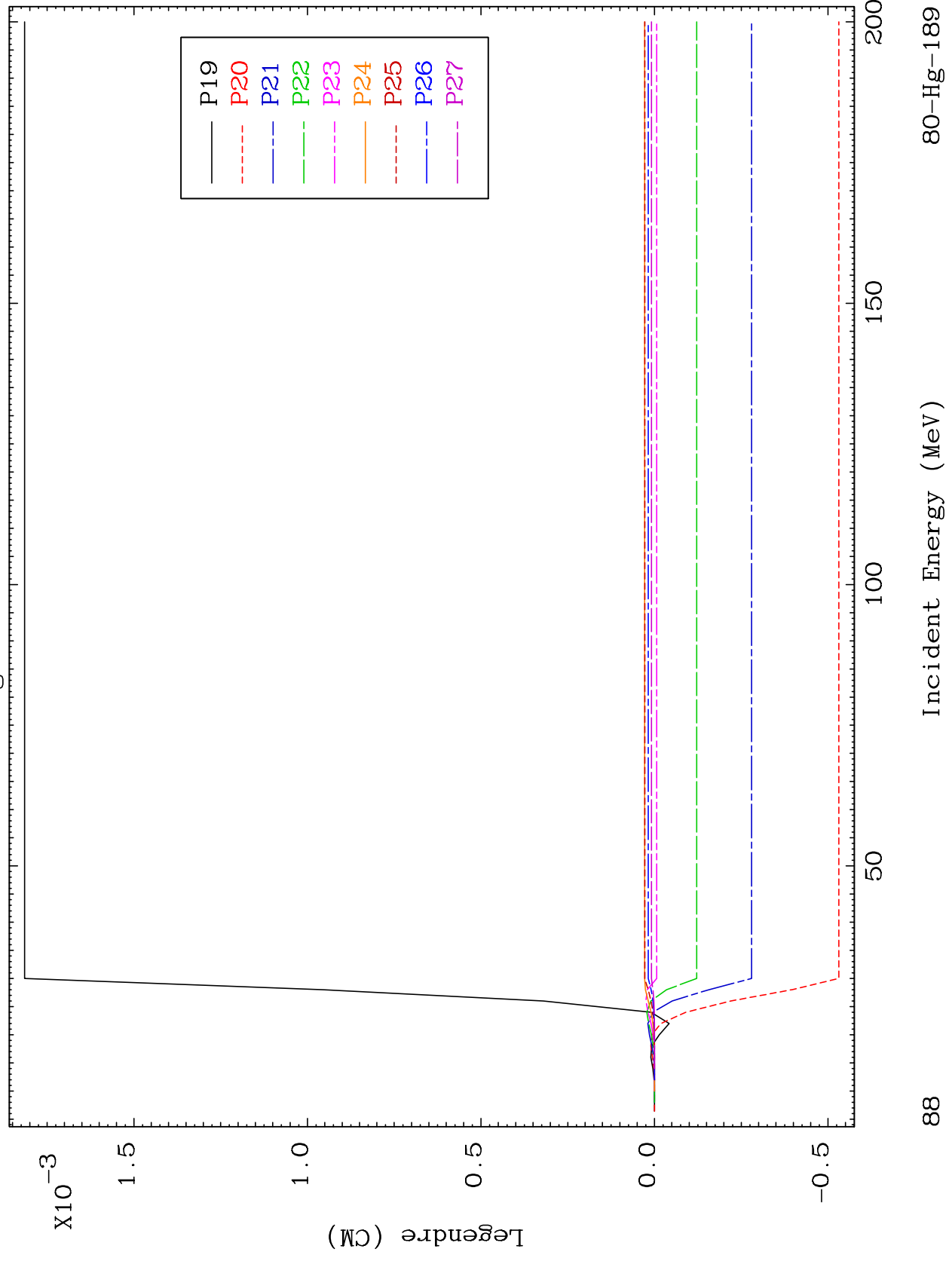
80-Hg-189



MAT 8004

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

80-Hg-189



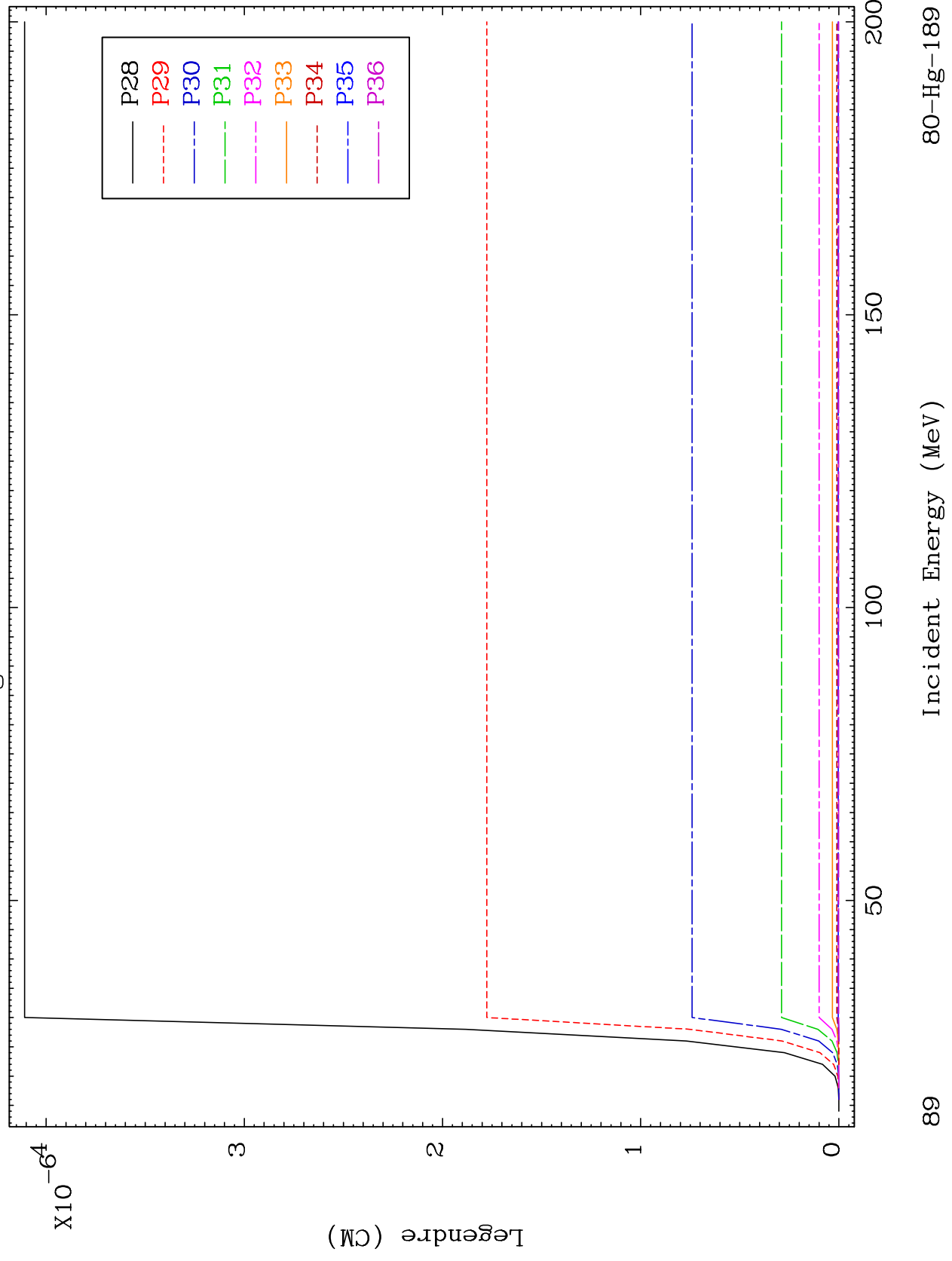
88

80-Hg-189

MAT 8004

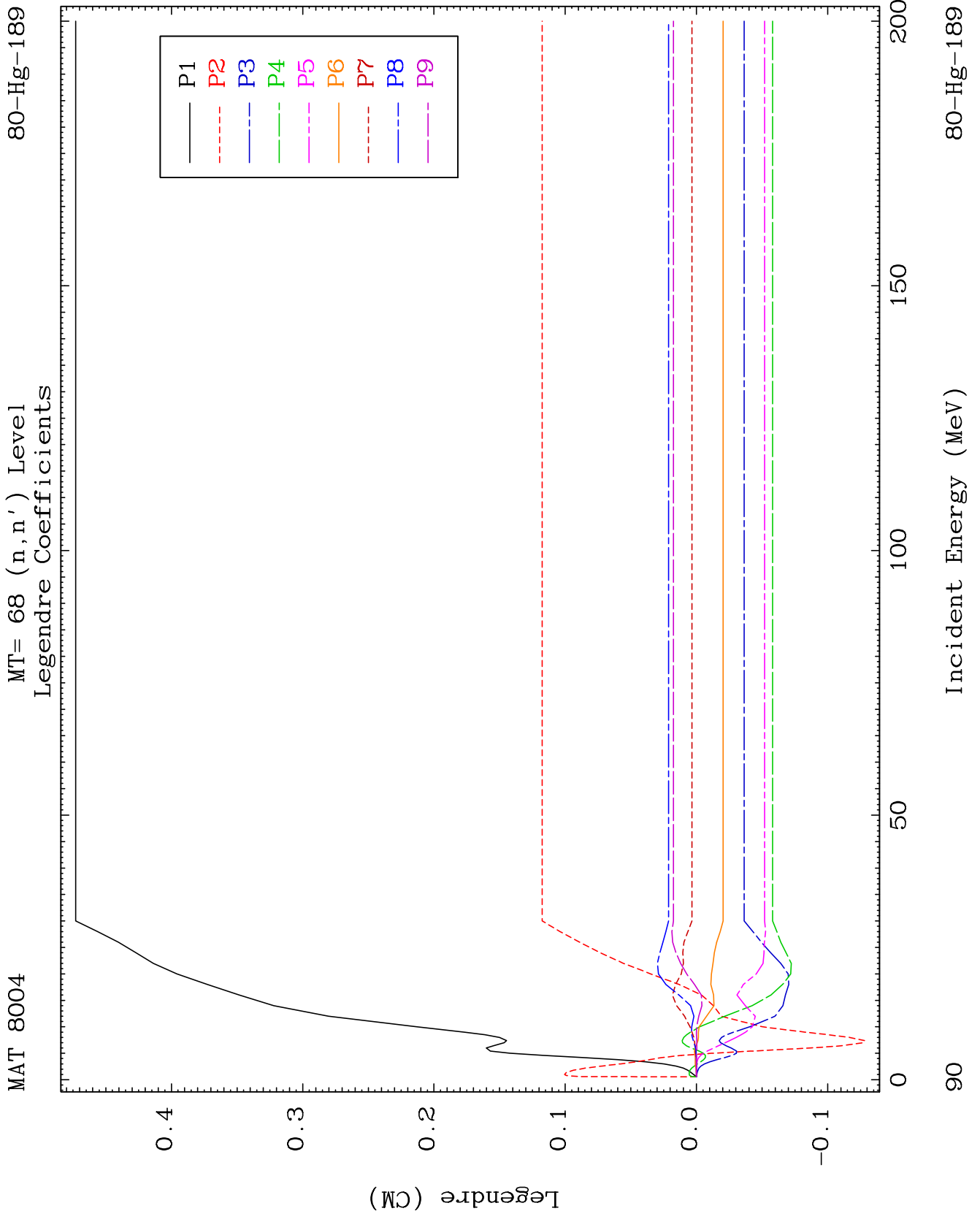
MT= 67 (n,n') Level
Legendre Coefficients

80-Hg-189



89

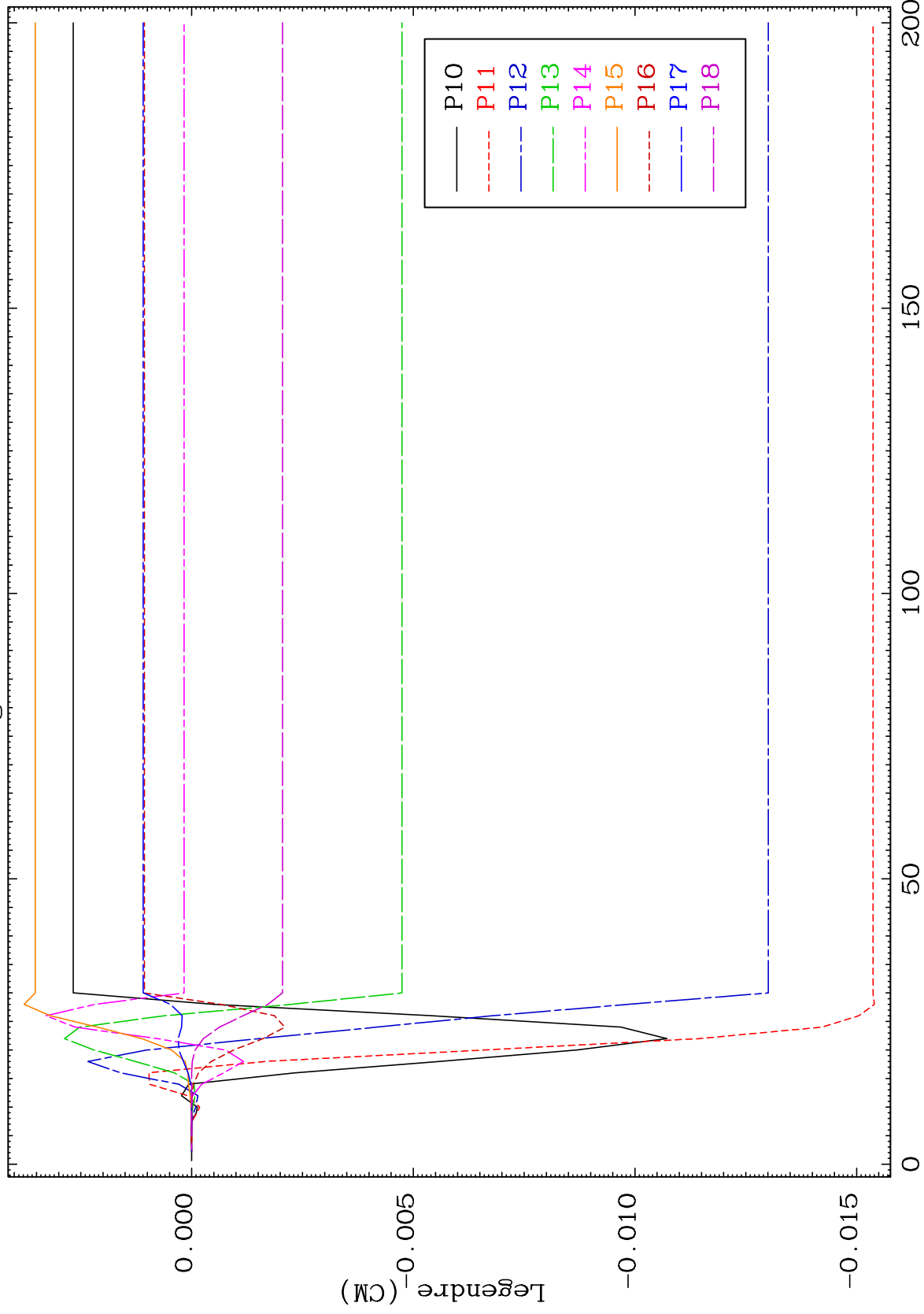
80-Hg-189



MAT 8004

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

80-Hg-189



91

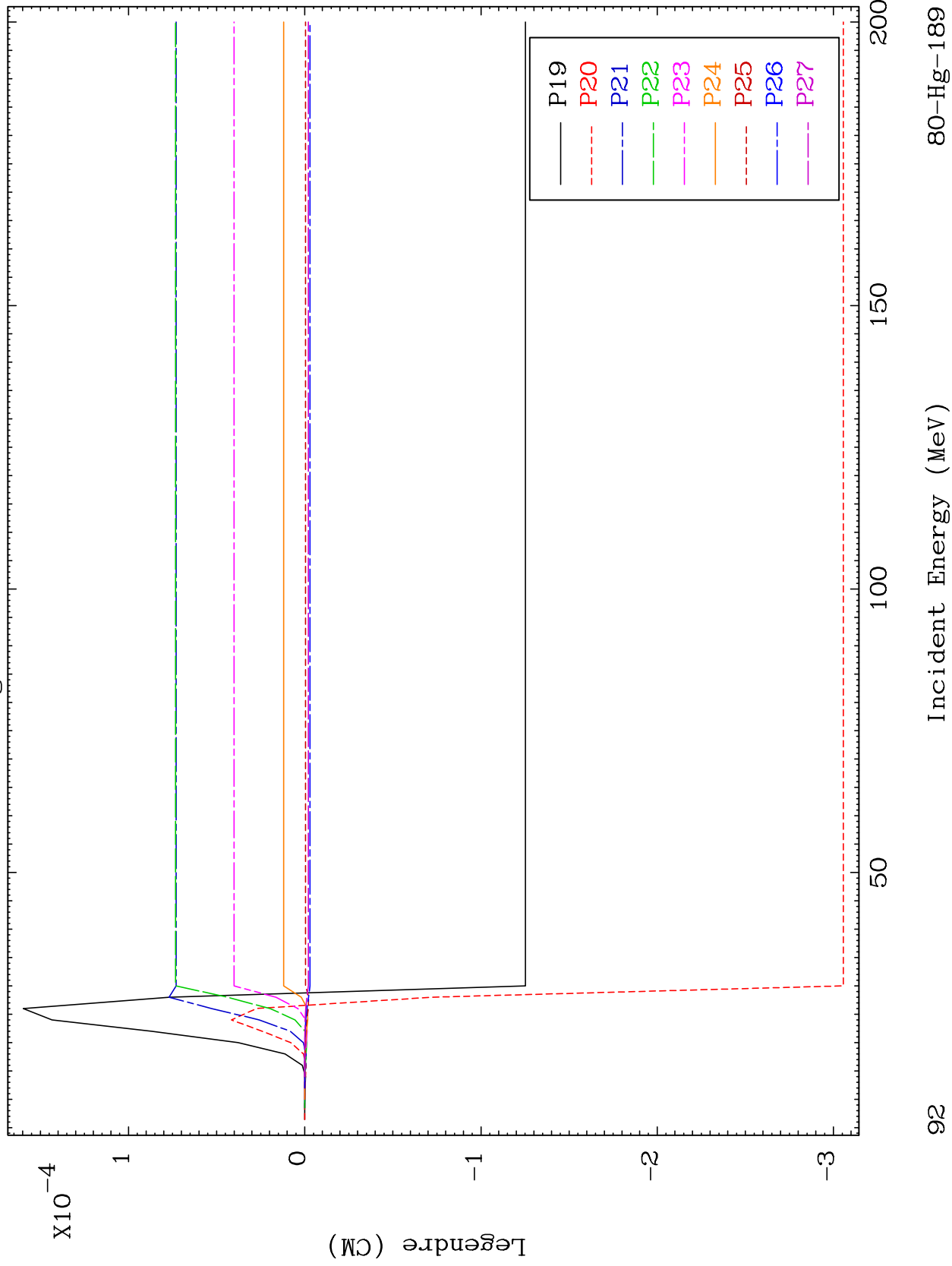
Incident Energy (MeV)

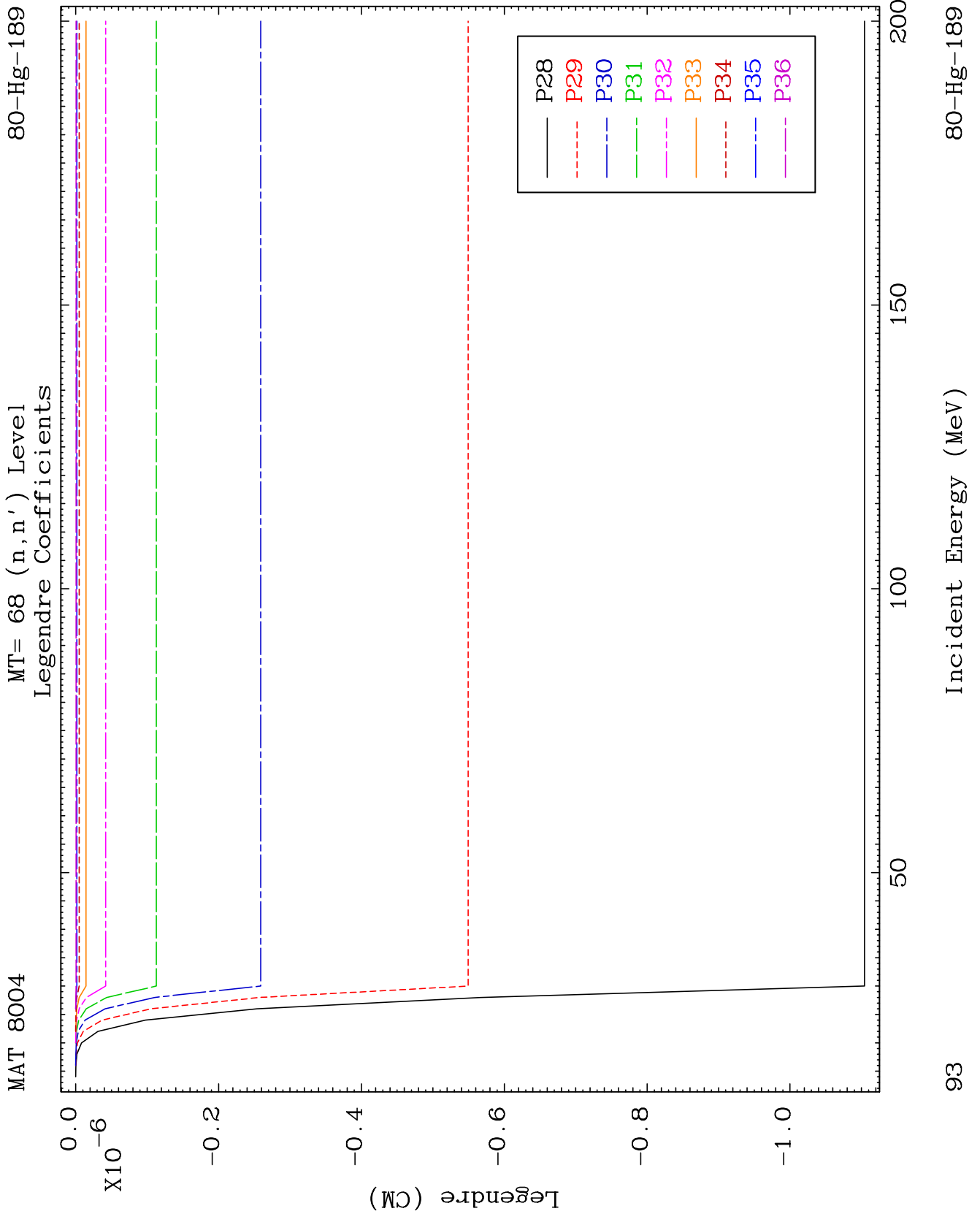
80-Hg-189

MAT 8004

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

80-Hg-189

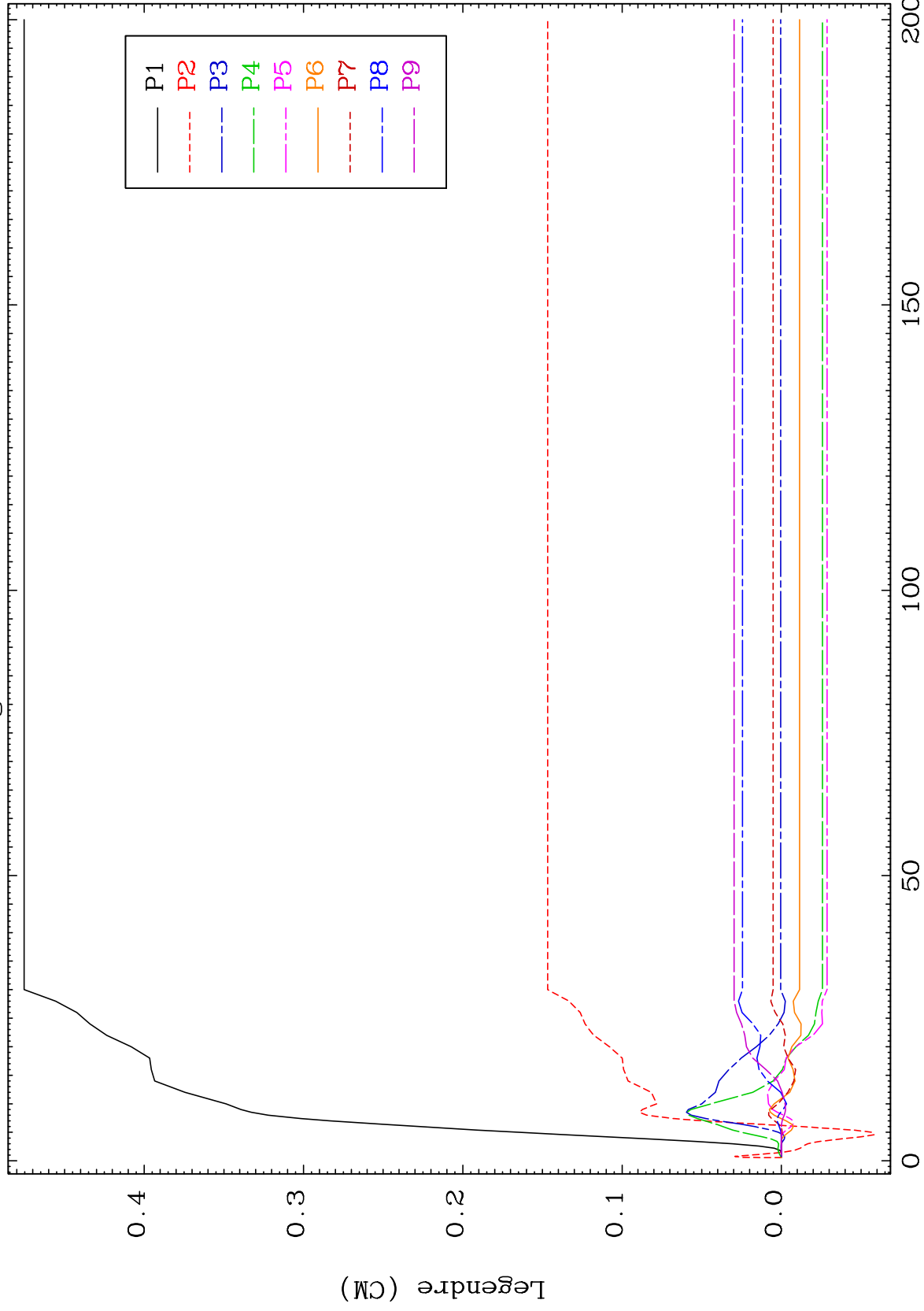




MAT 8004

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

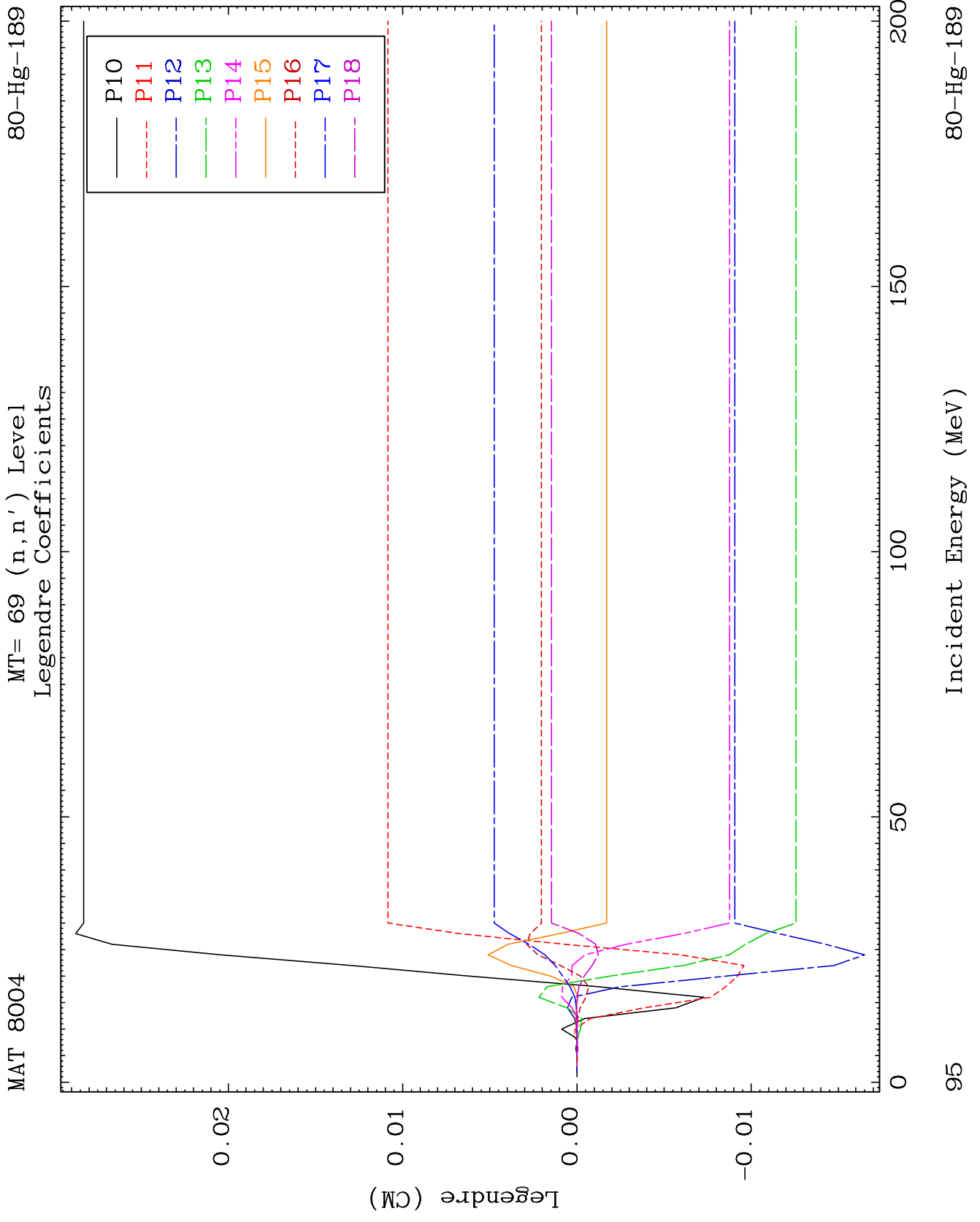
80-Hg-189

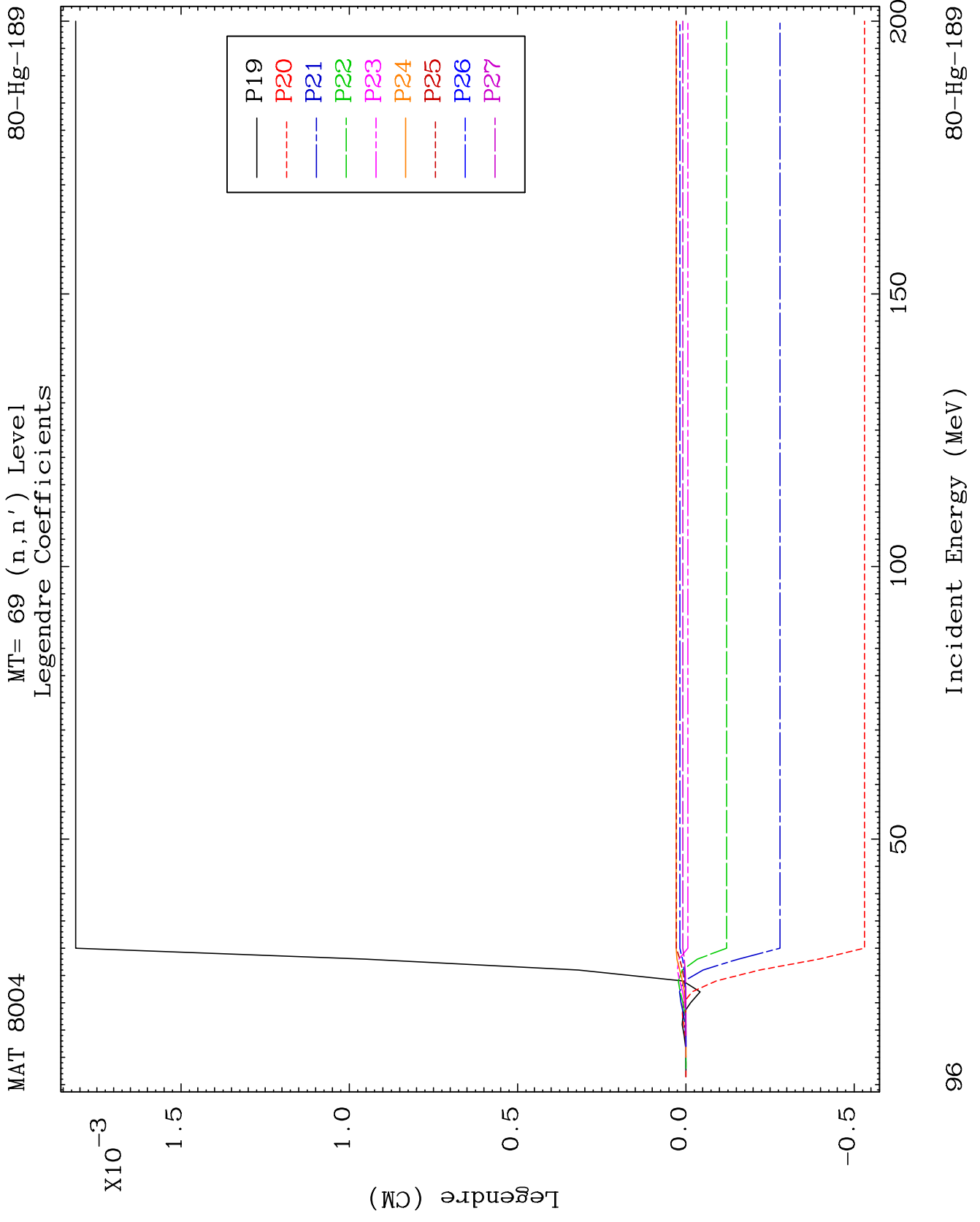


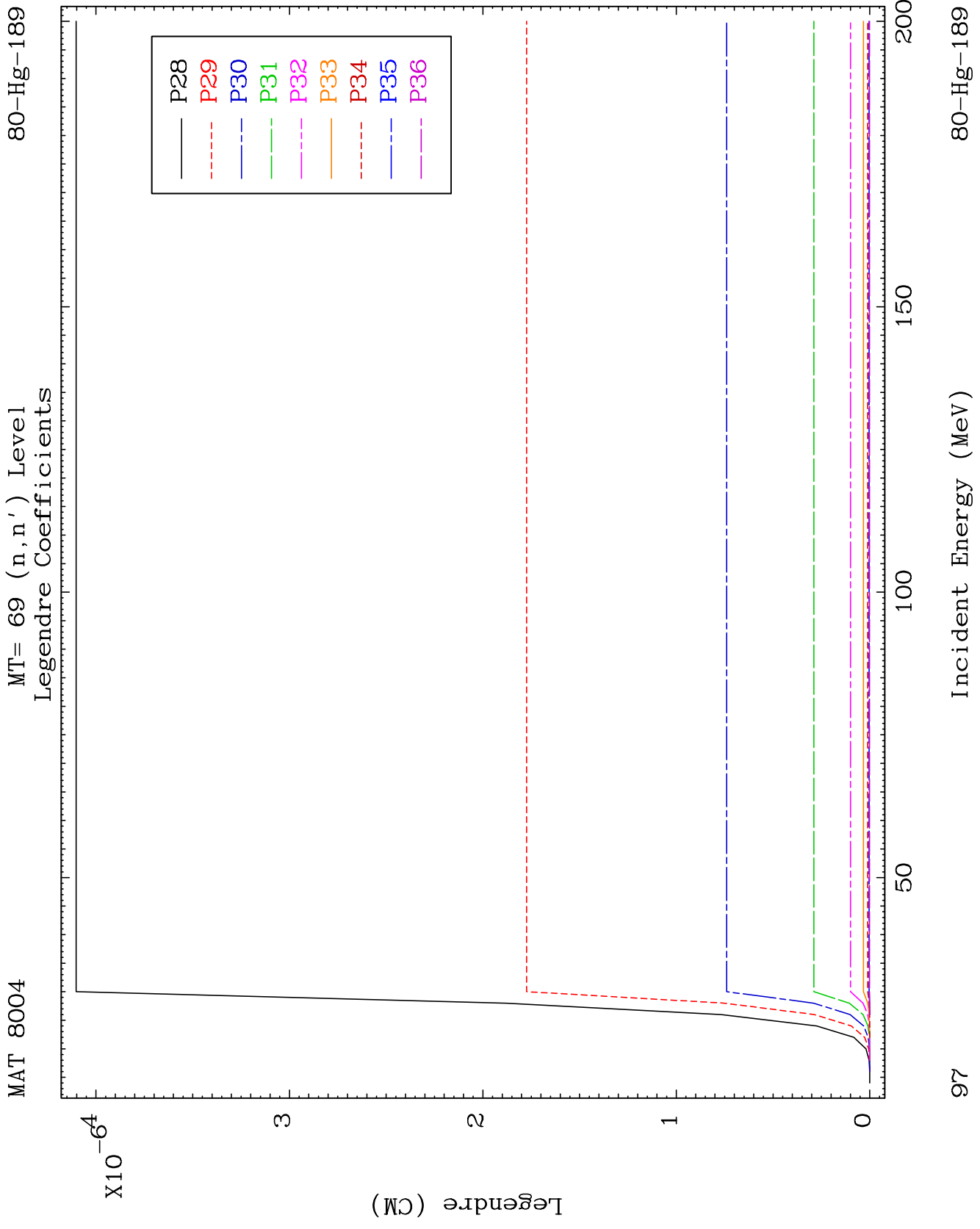
94

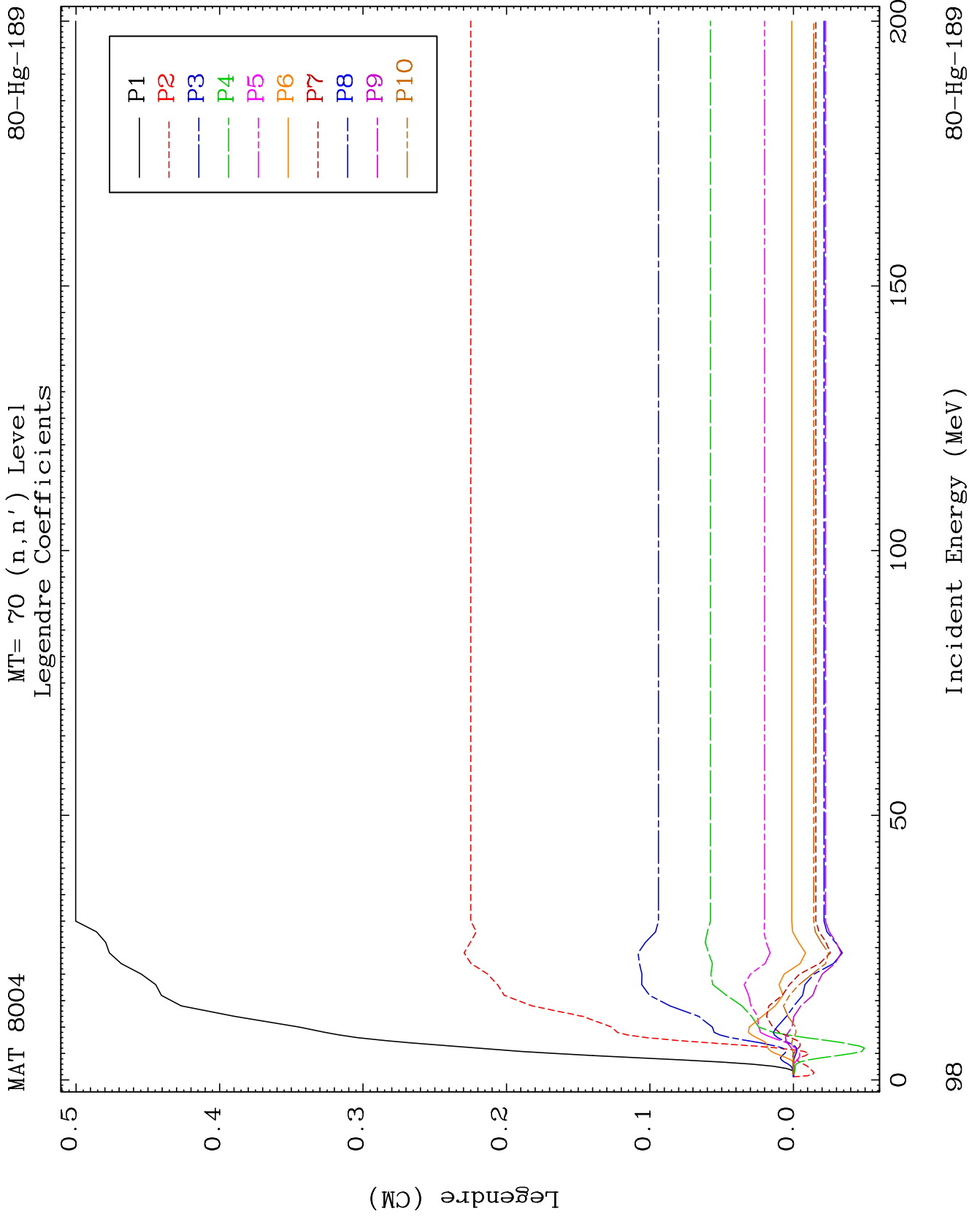
Incident Energy (MeV)

80-Hg-189





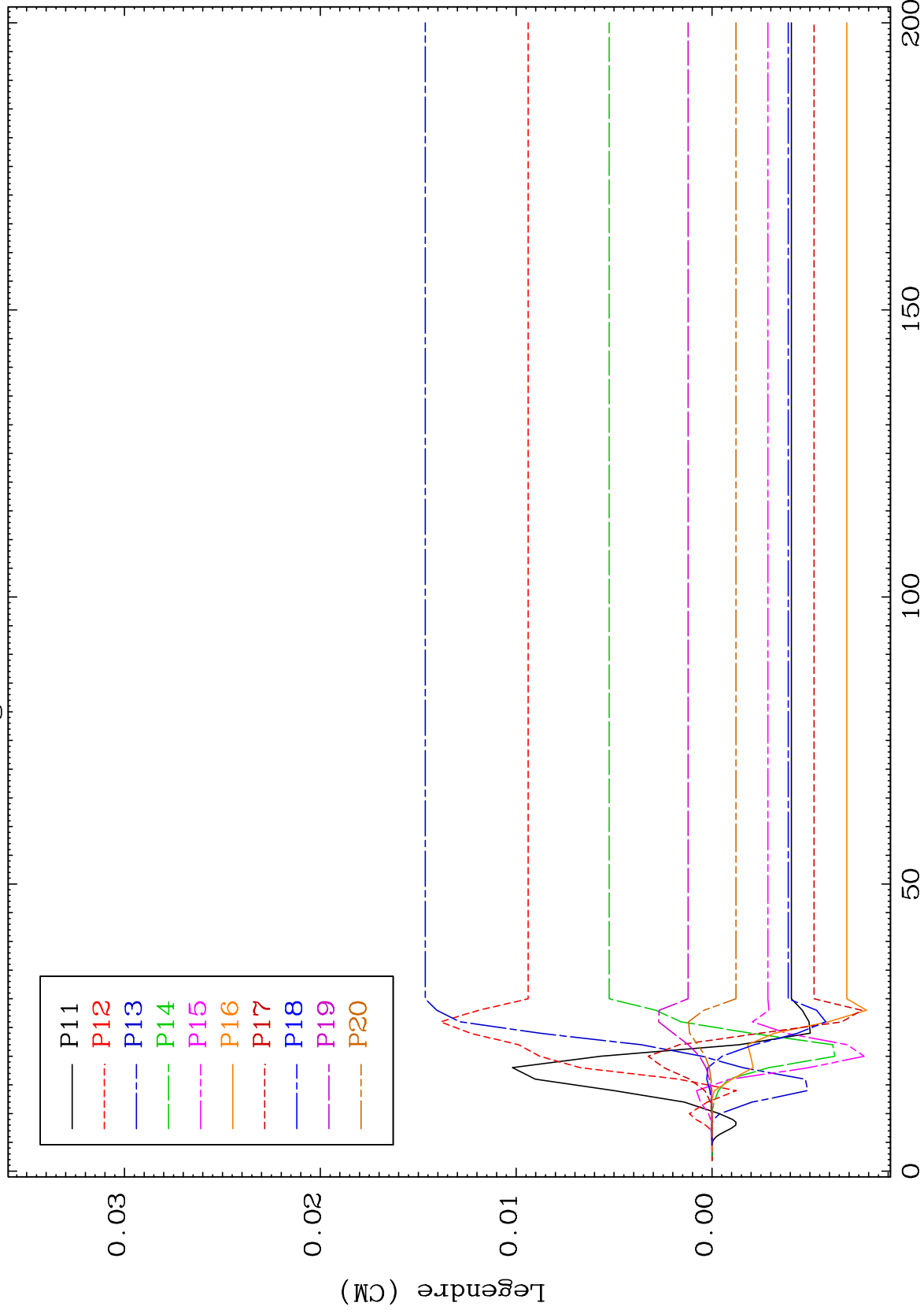




MAT 8004

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

80-Hg-189



99

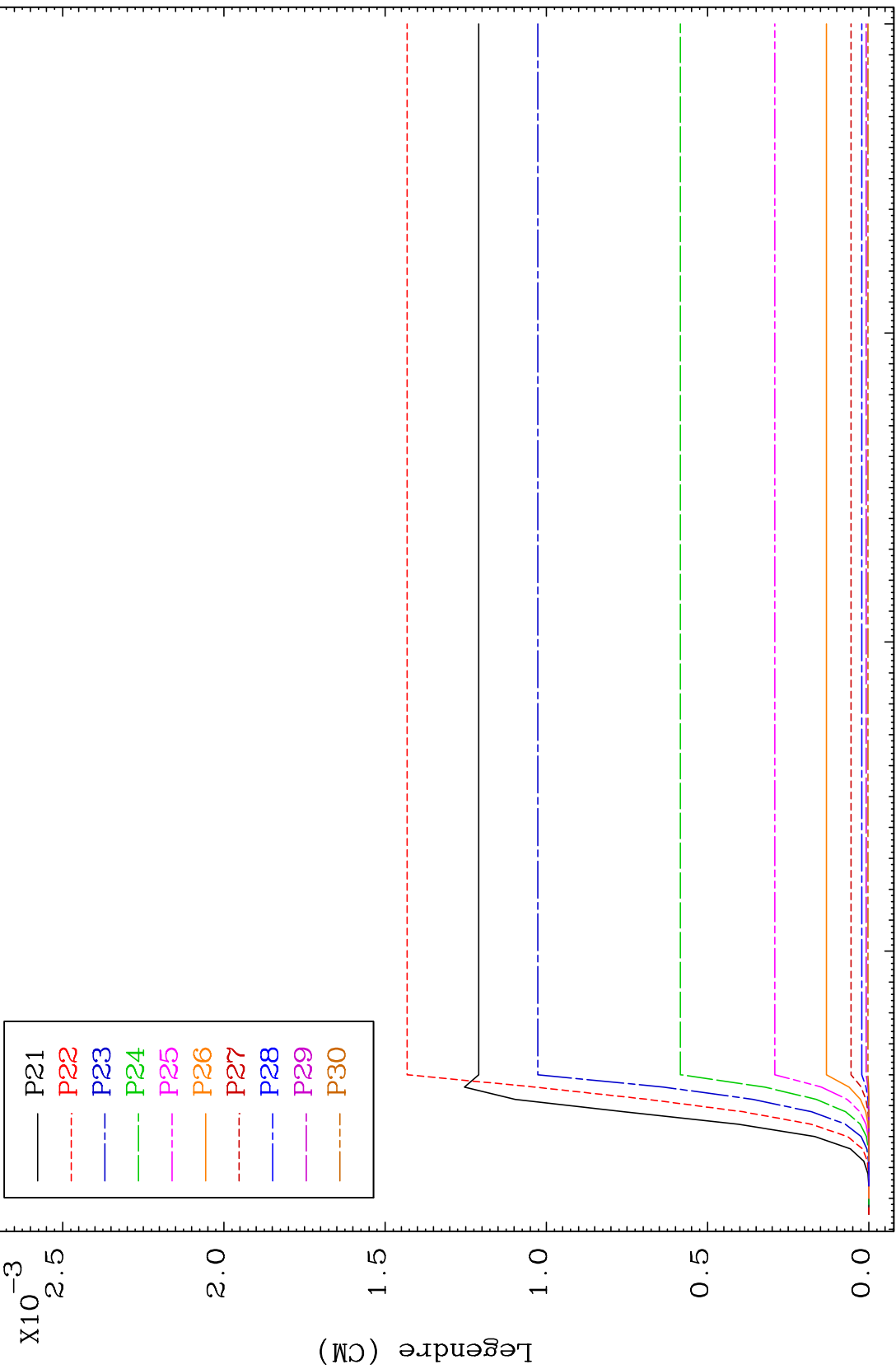
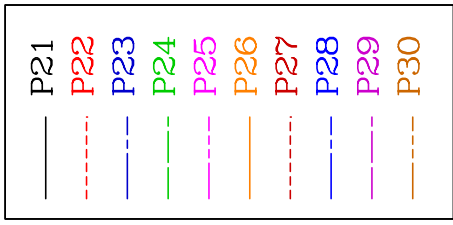
Incident Energy (MeV)

80-Hg-189

MAT 8004

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

80-Hg-189



100

50

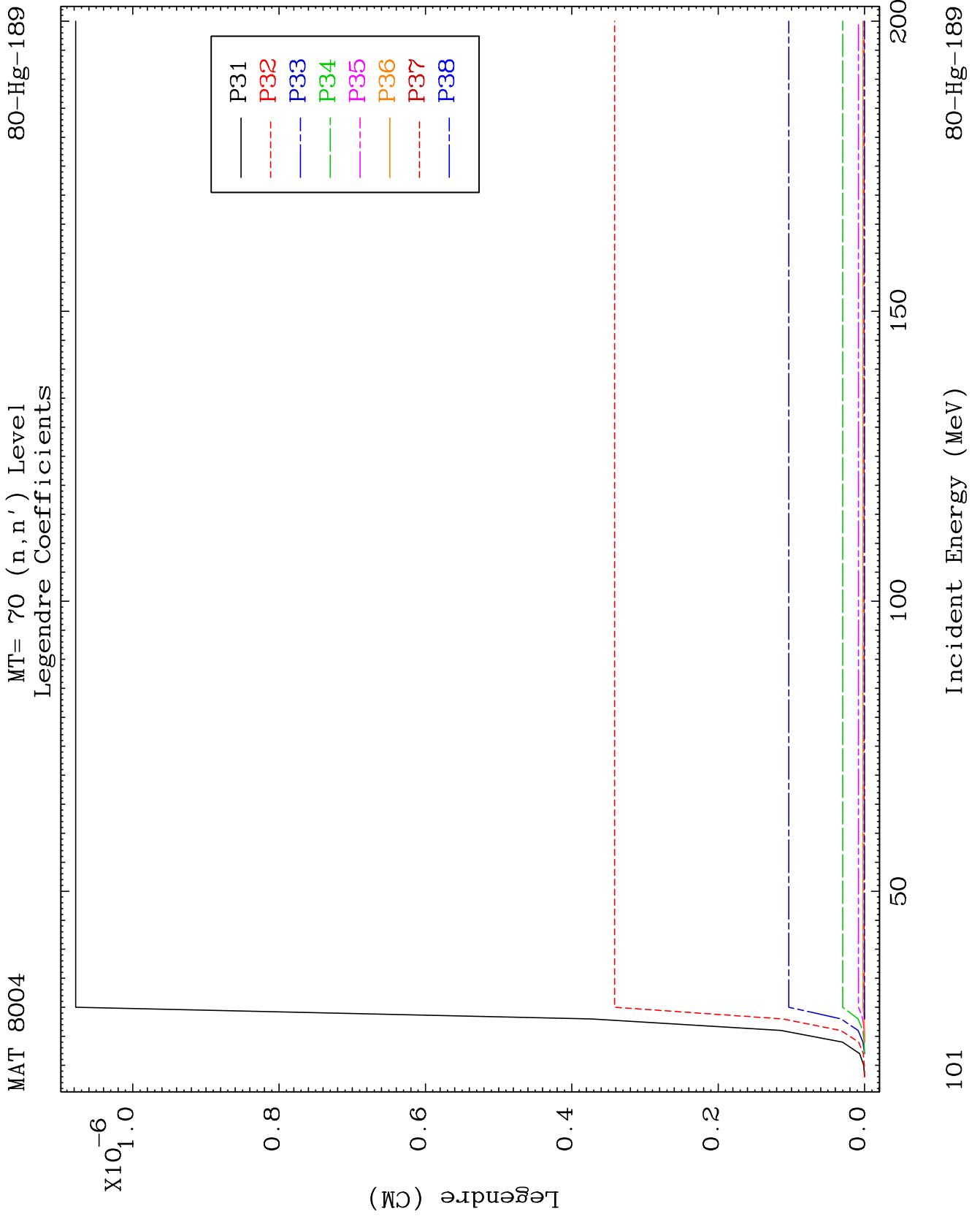
100

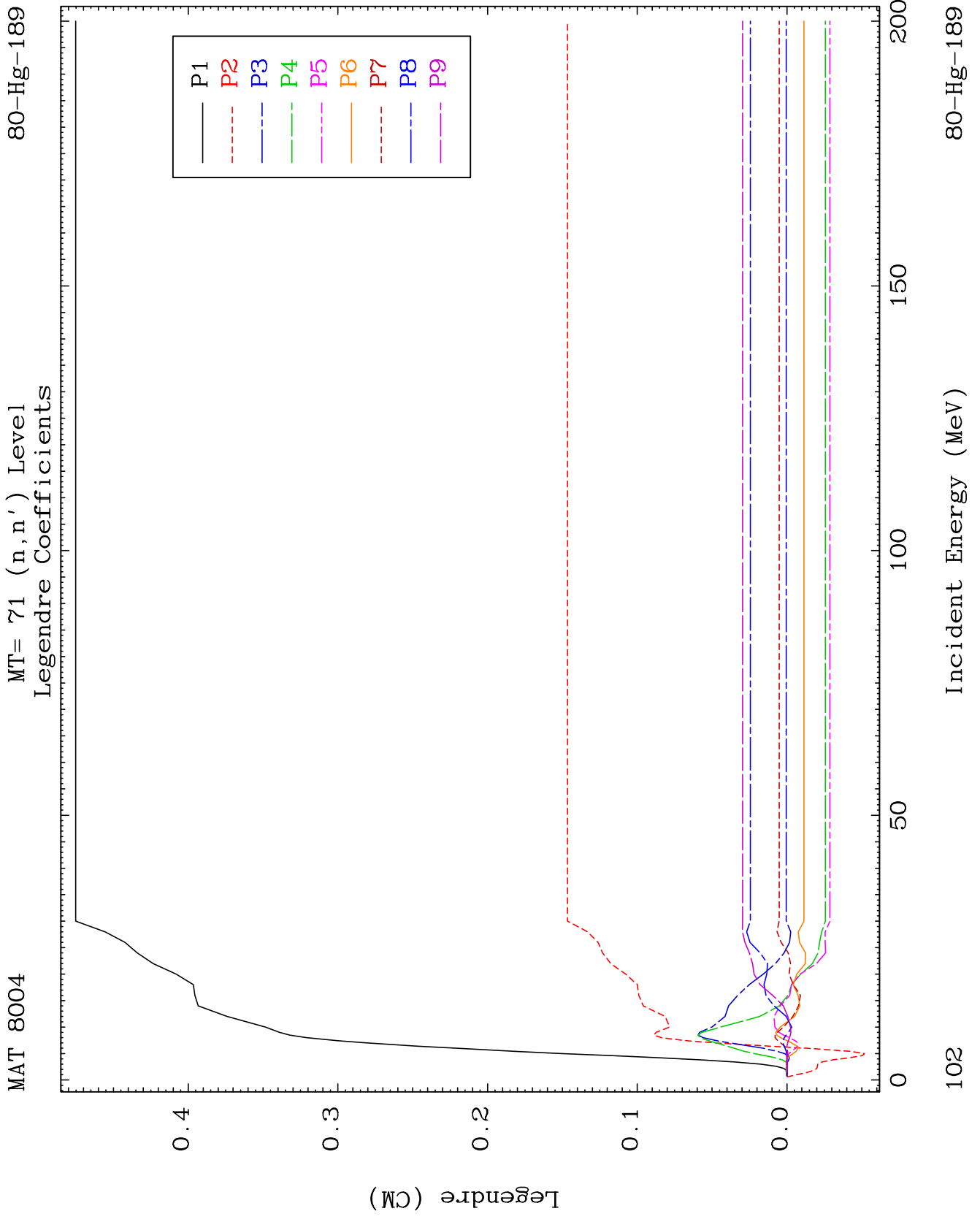
150

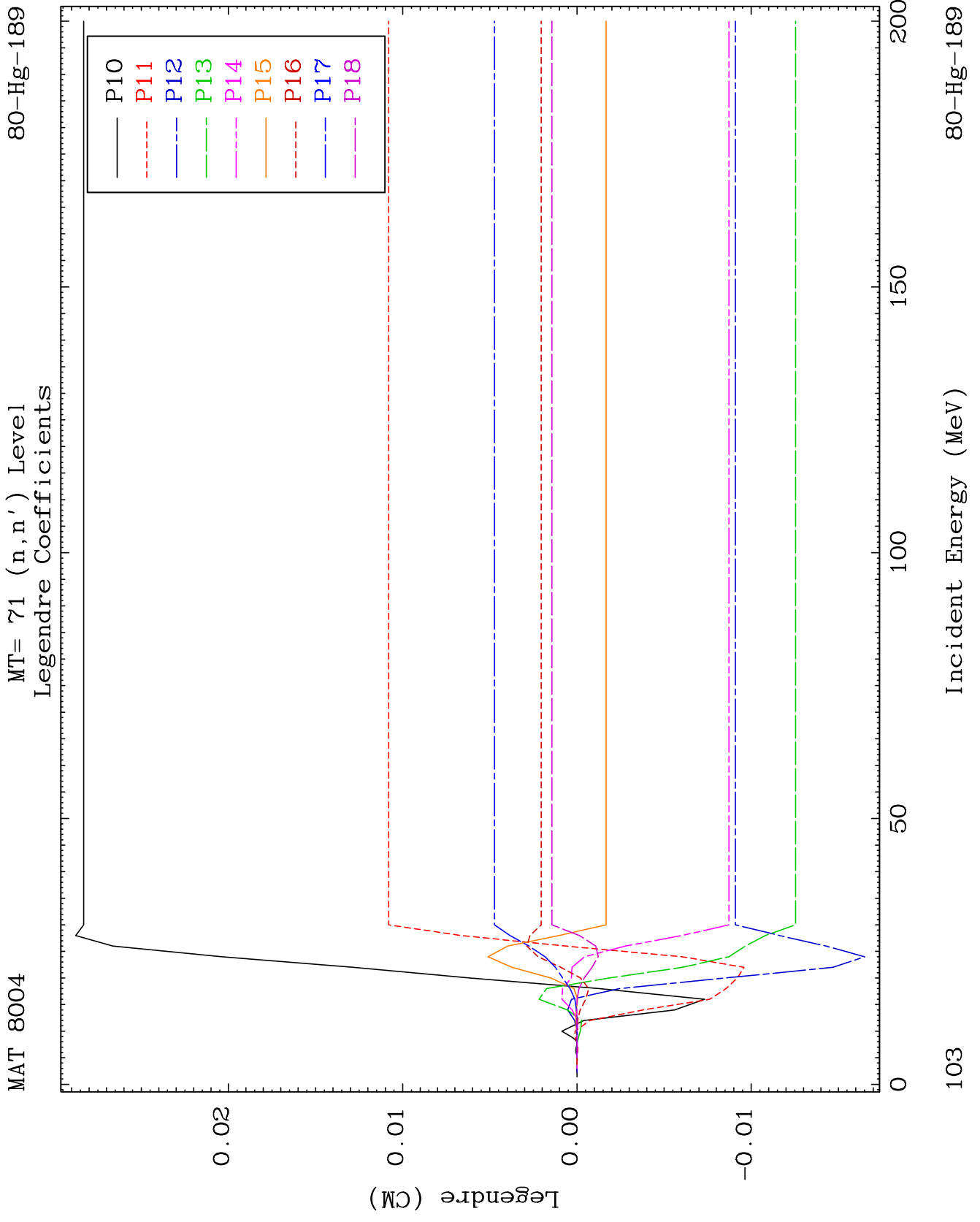
200

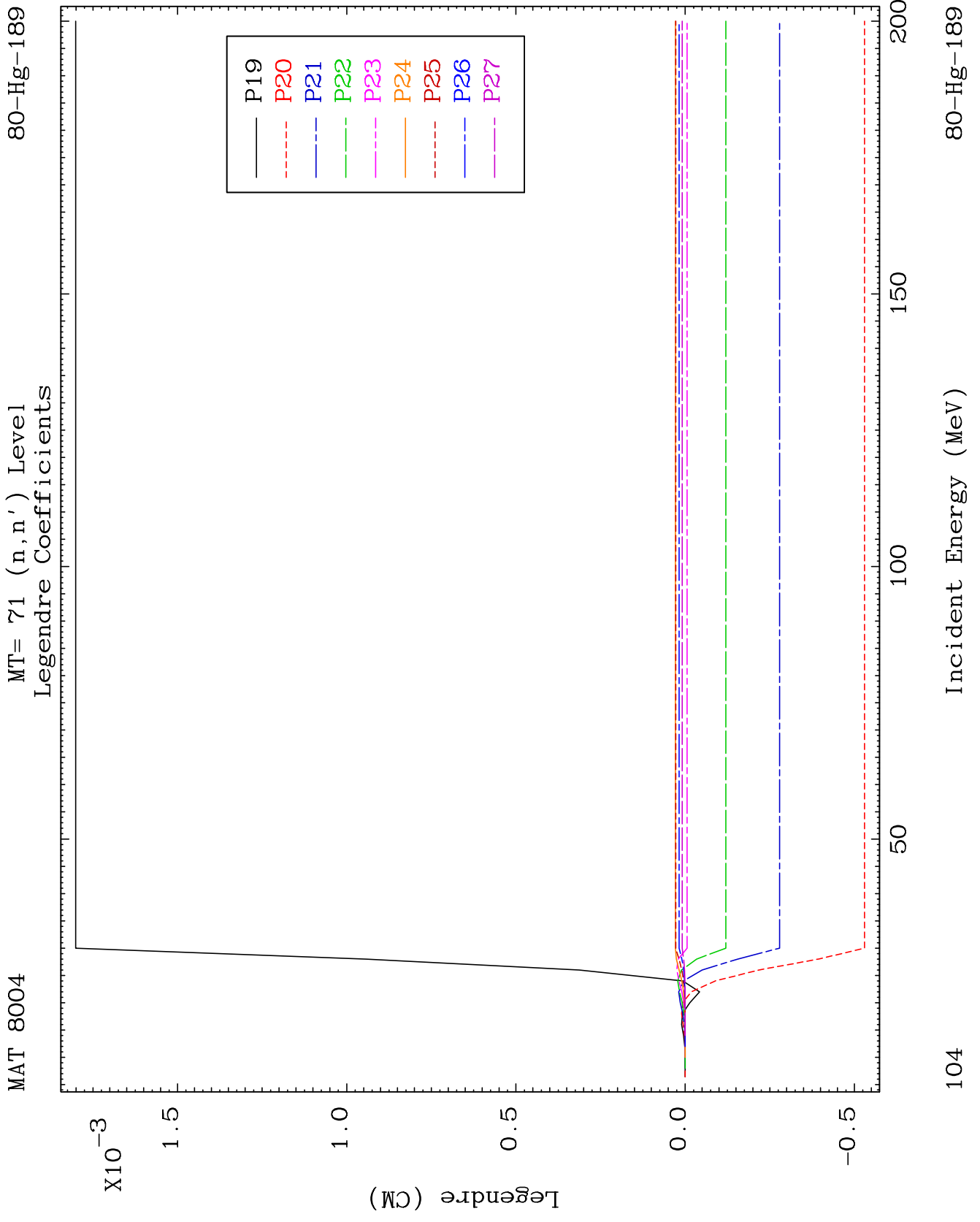
Incident Energy (MeV)

80-Hg-189





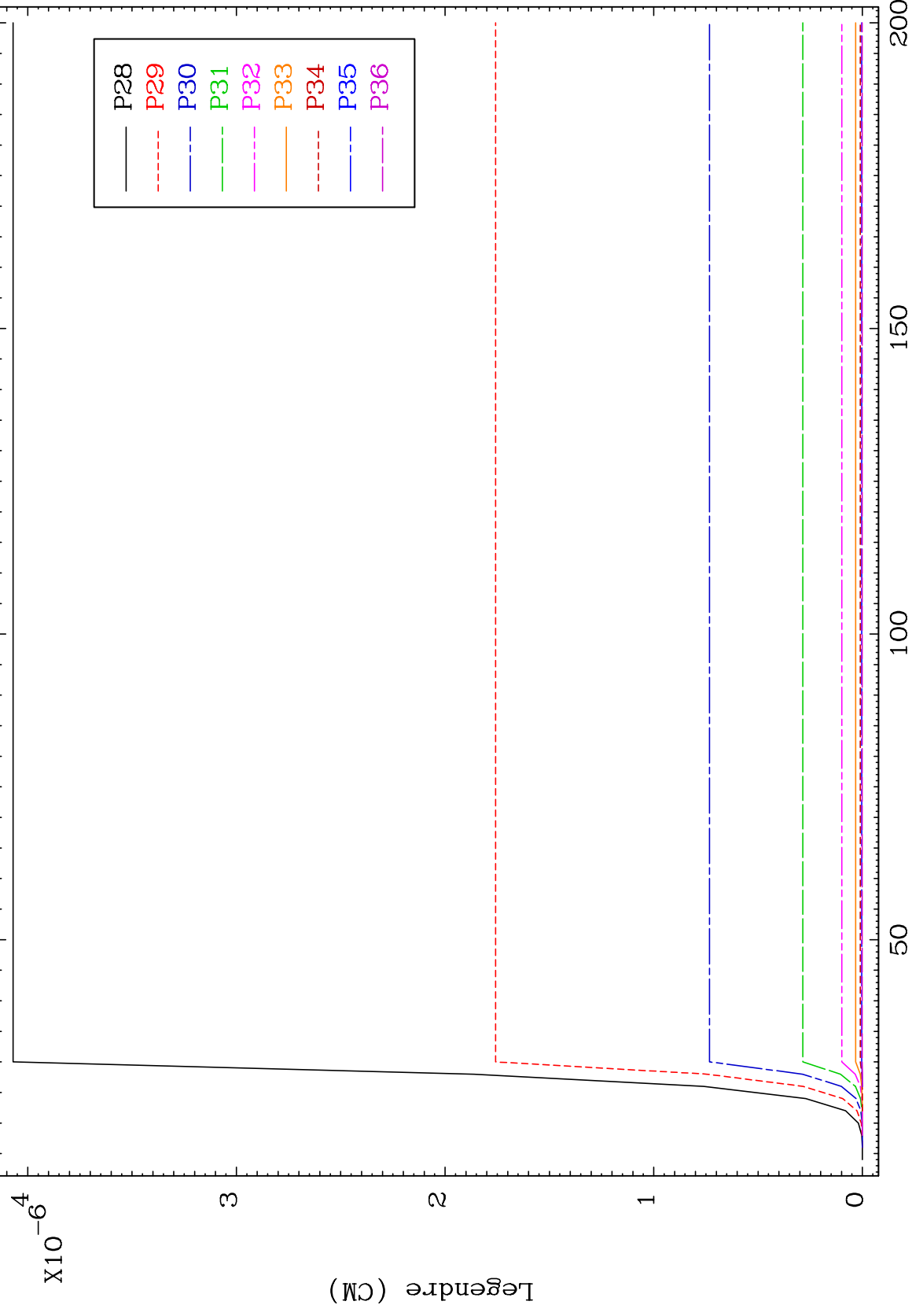




MAT 8004

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

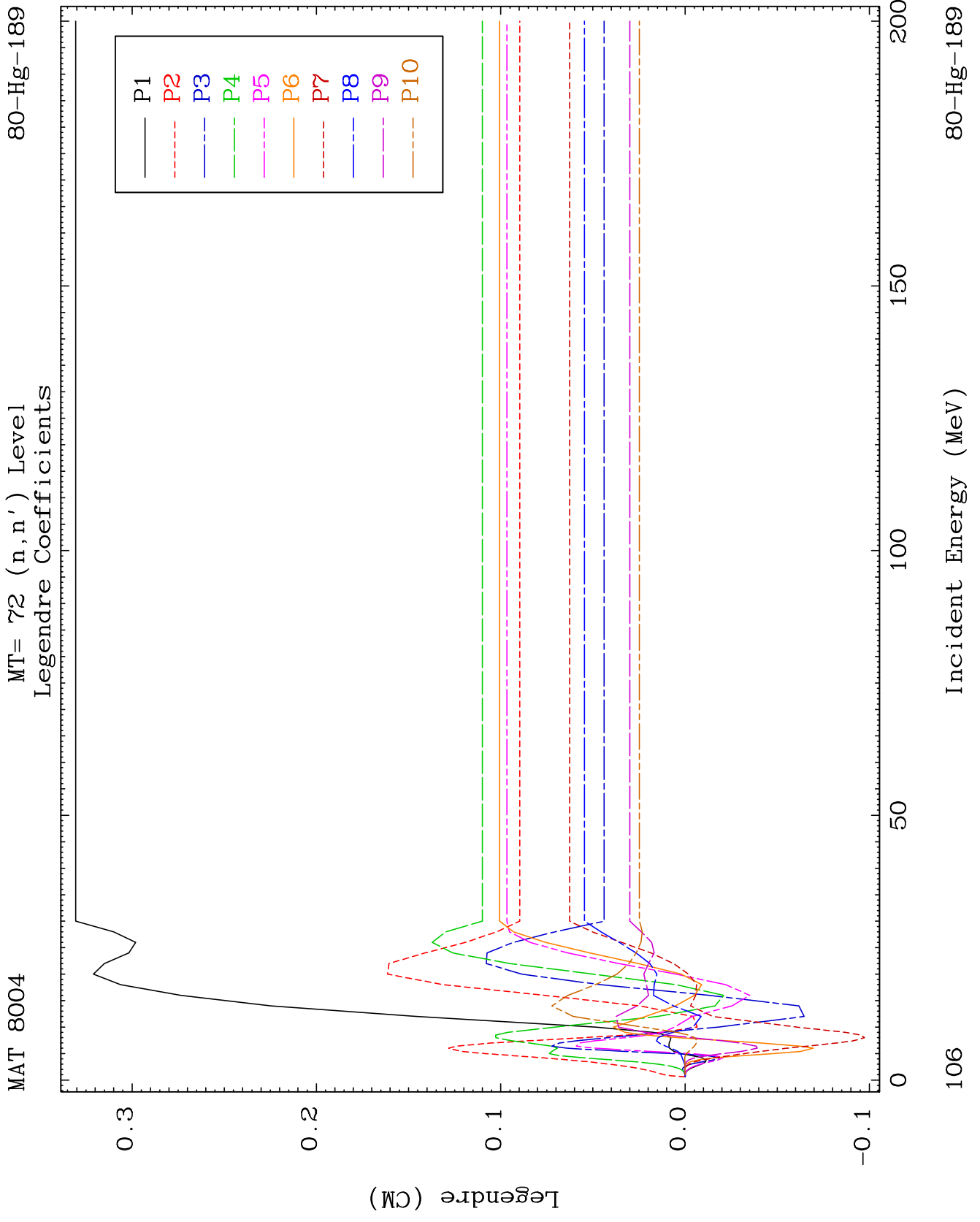
80-Hg-189



105

Incident Energy (MeV)

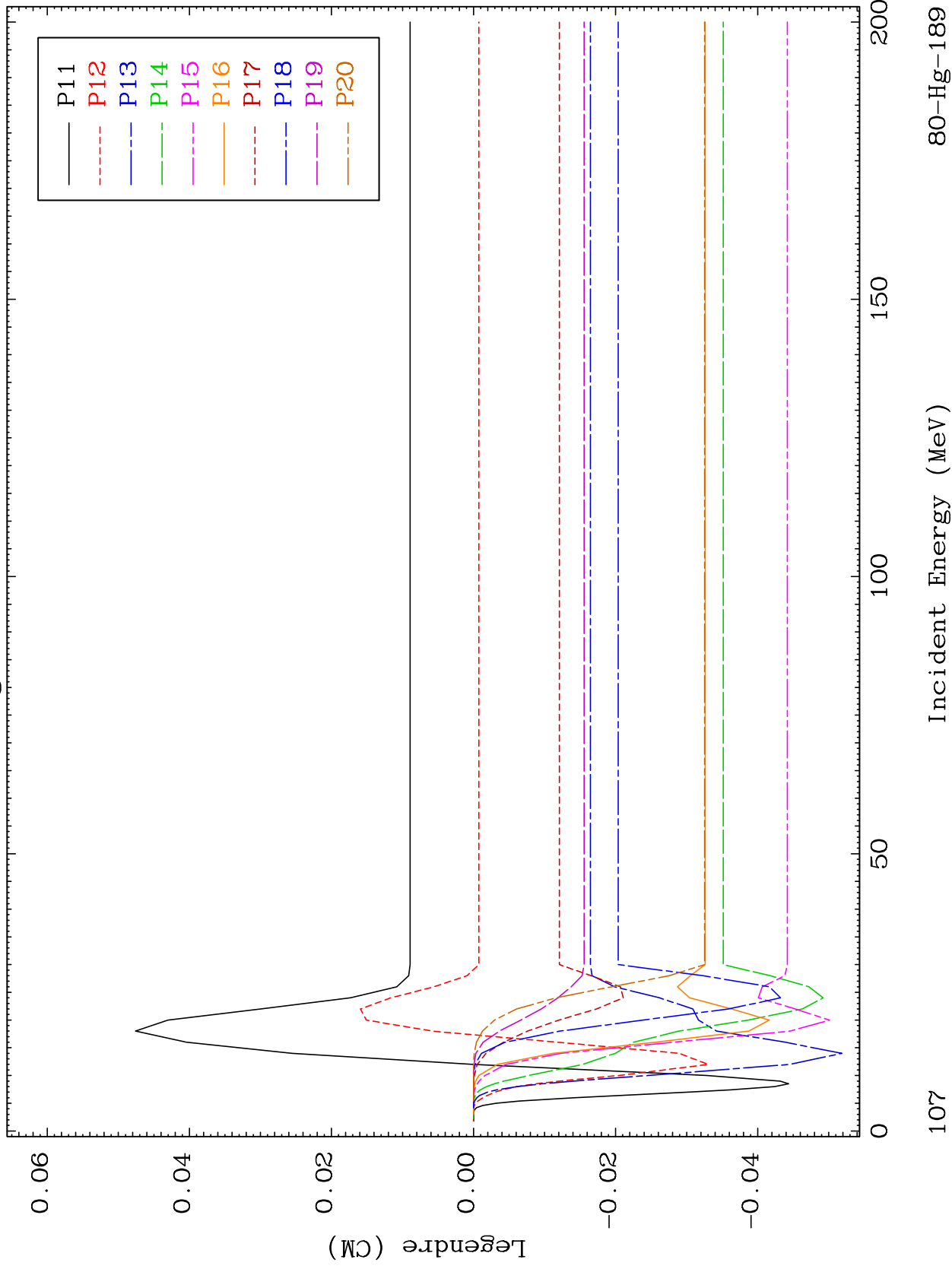
80-Hg-189



MAT 8004

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

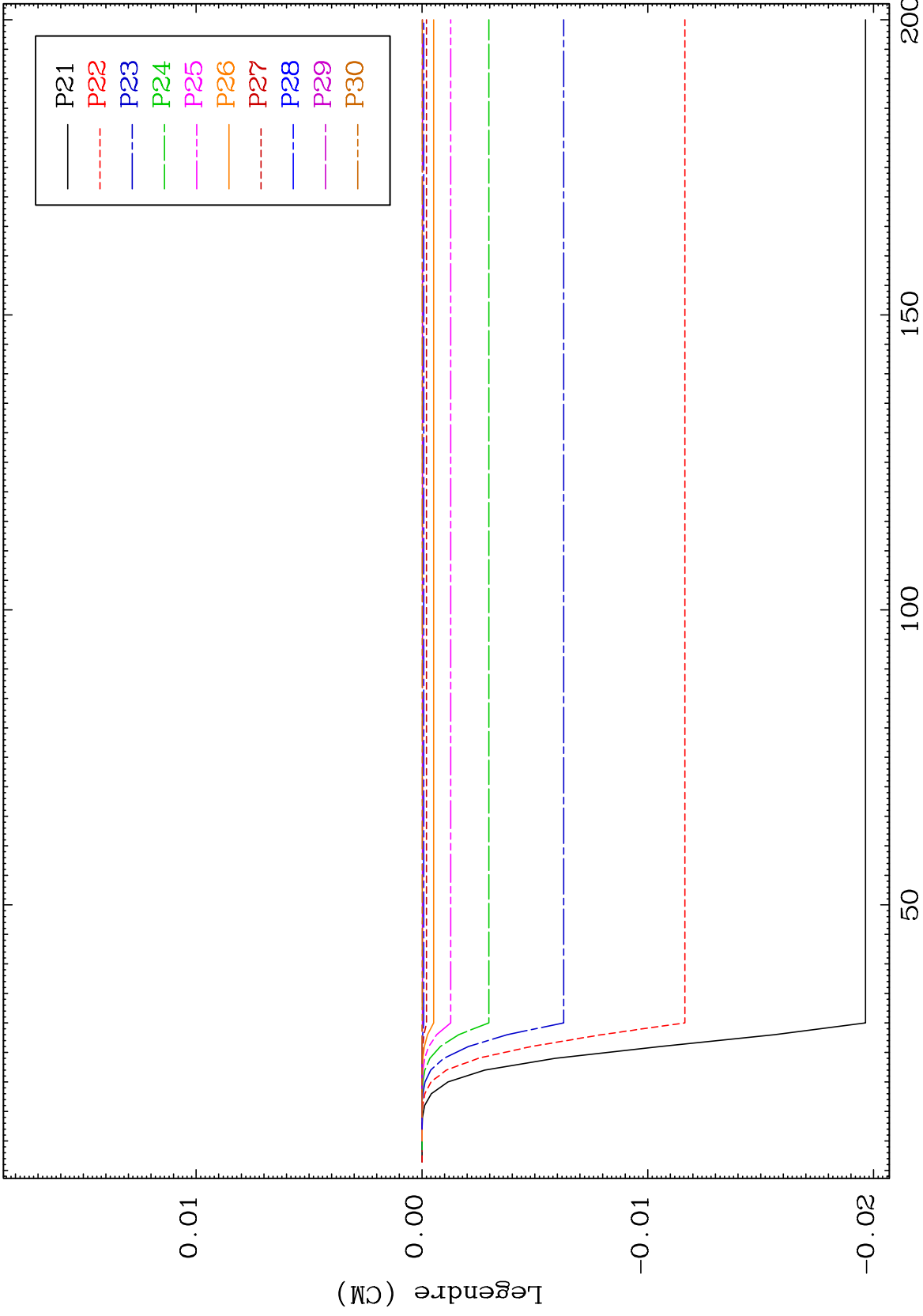
80-Hg-189



MAT 8004

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

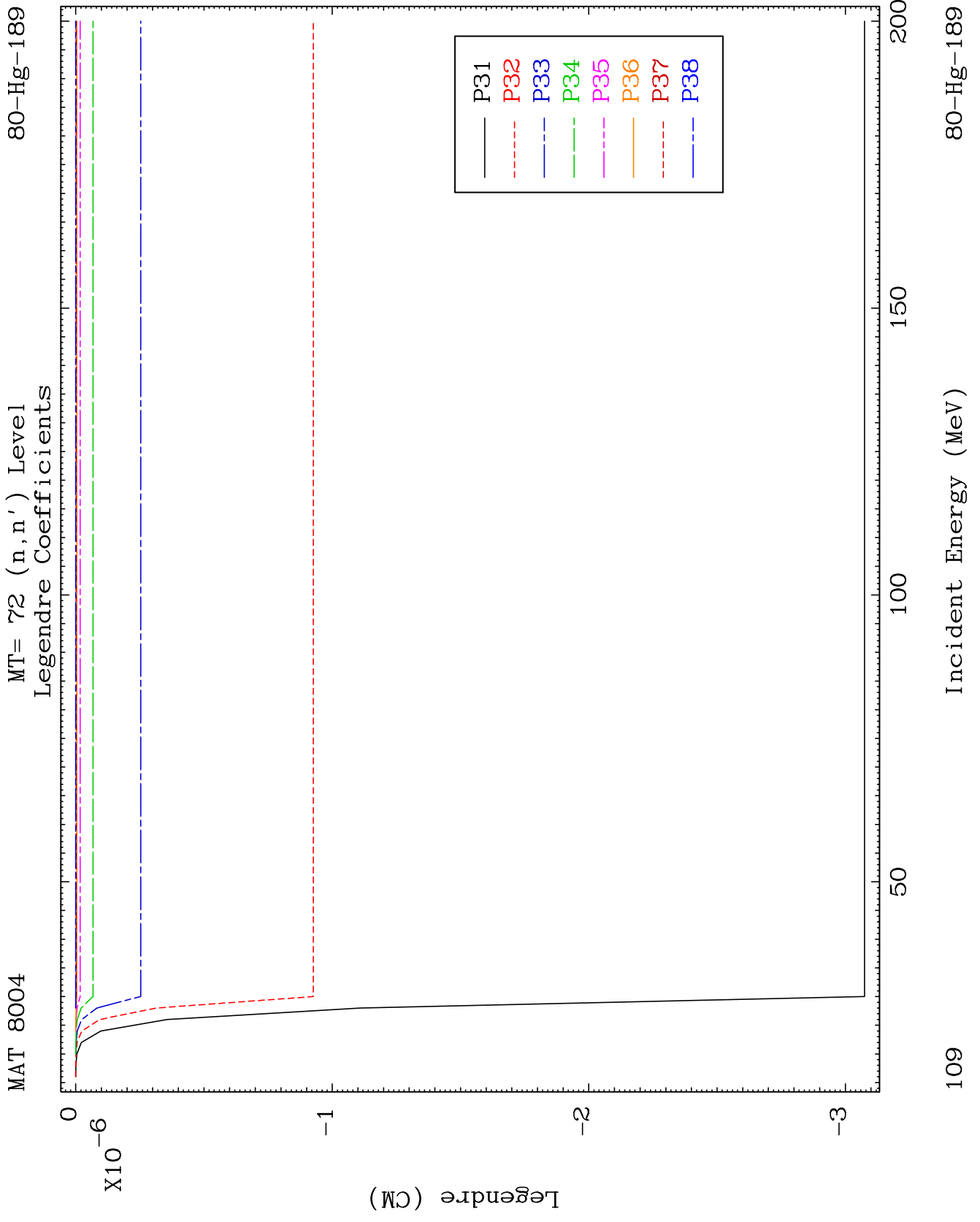
80-Hg-189

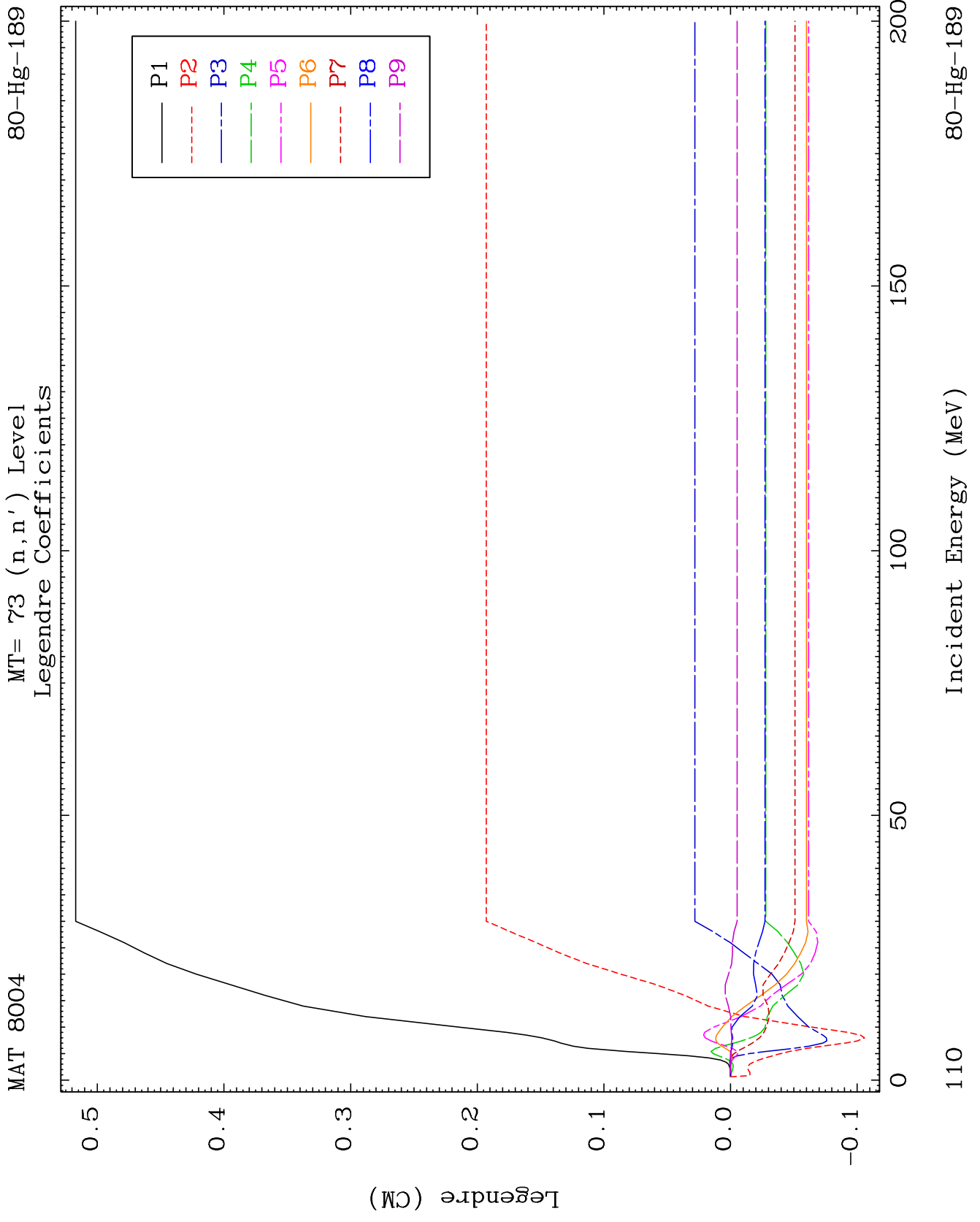


108

Incident Energy (MeV)

80-Hg-189

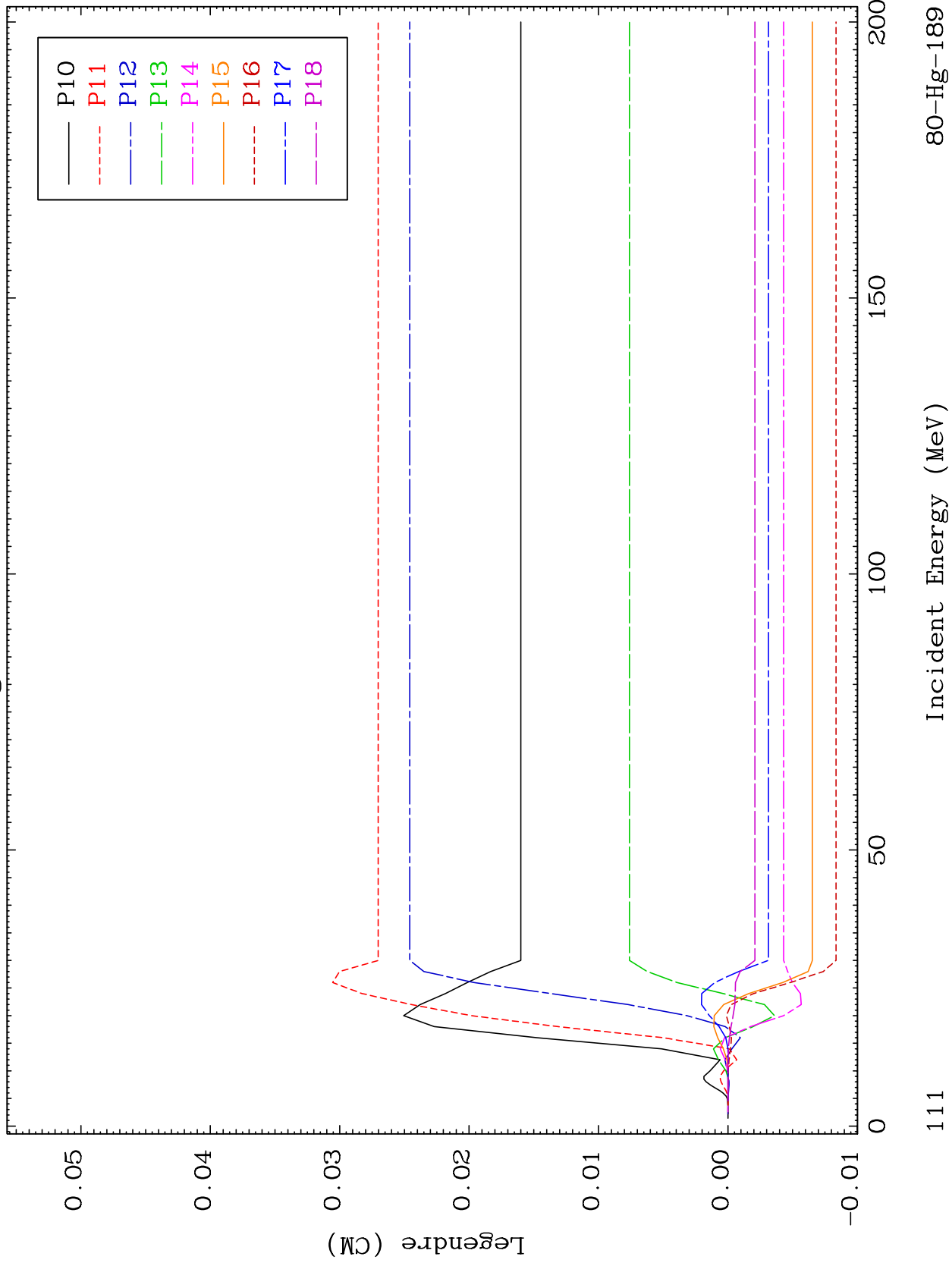




MAT 8004

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

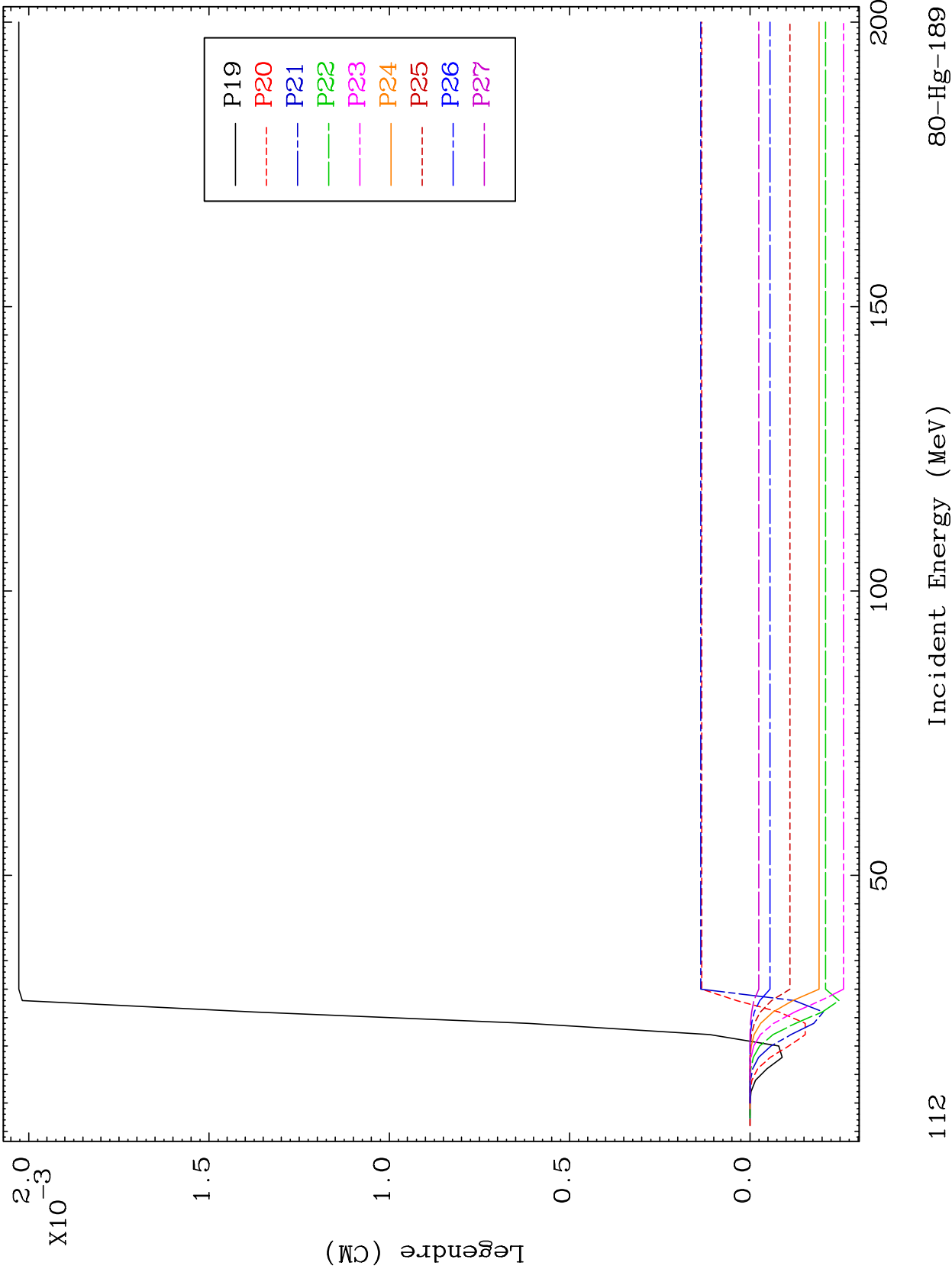
80-Hg-189



MAT 8004

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

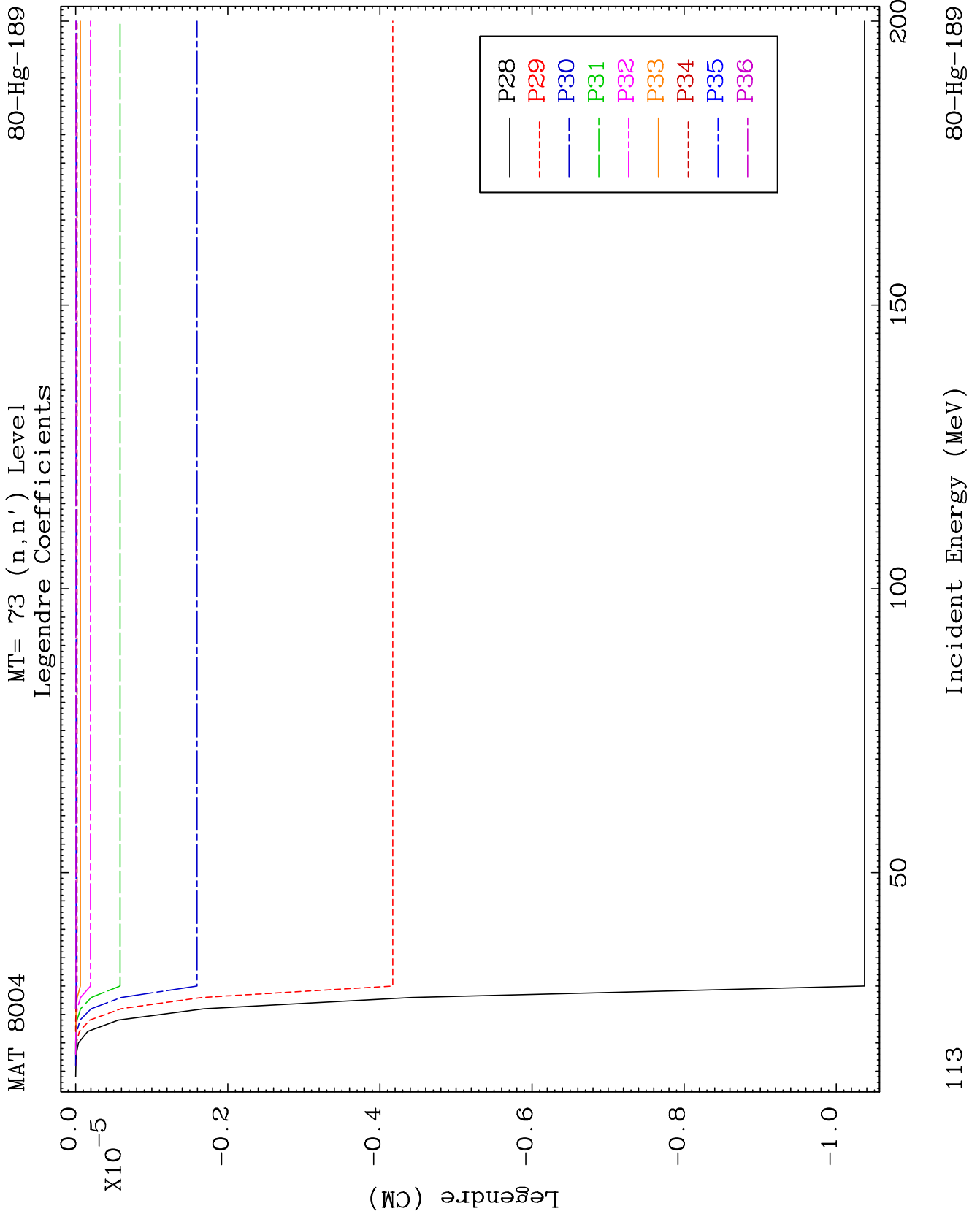
80-Hg-189

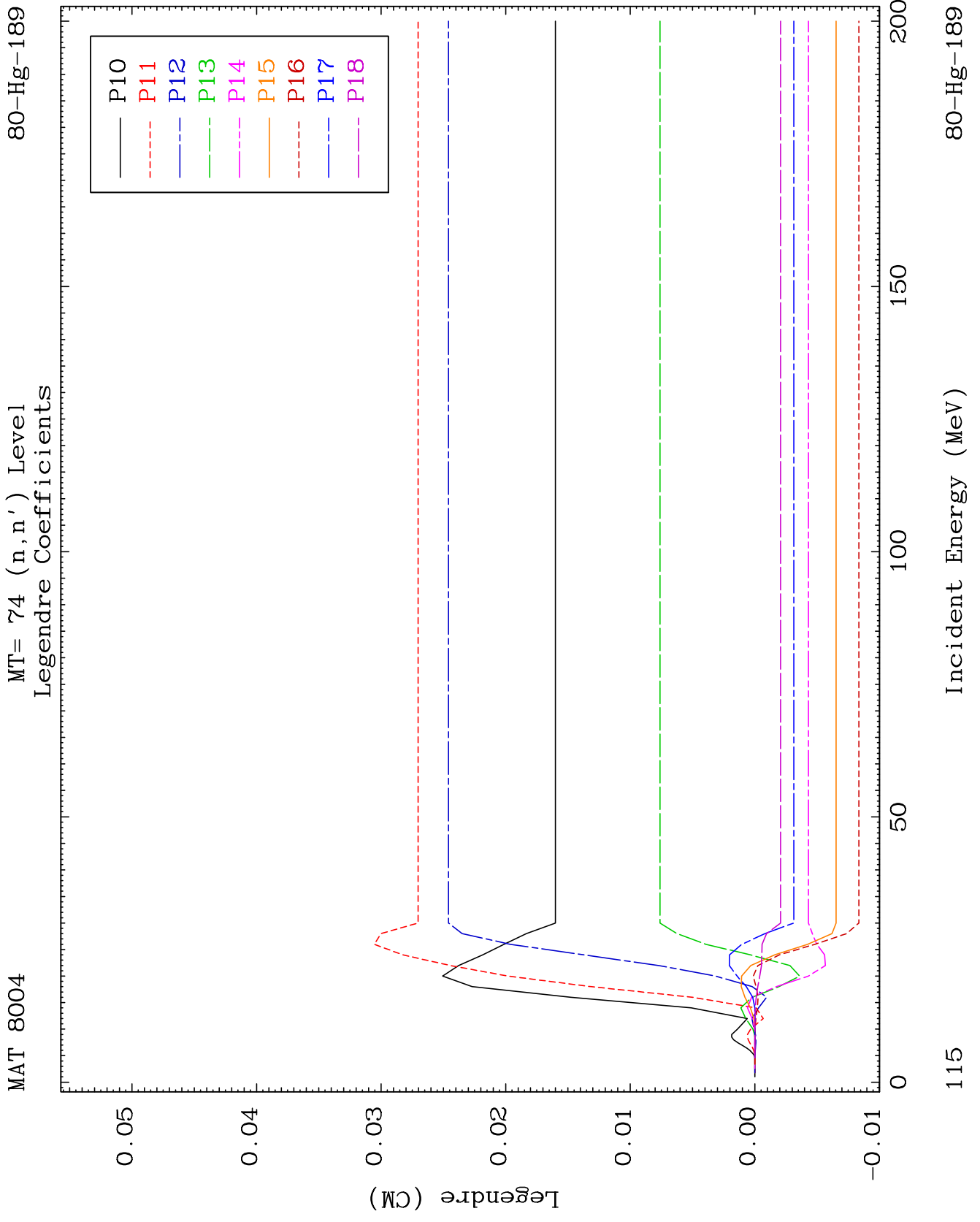


112

Incident Energy (MeV)

80-Hg-189

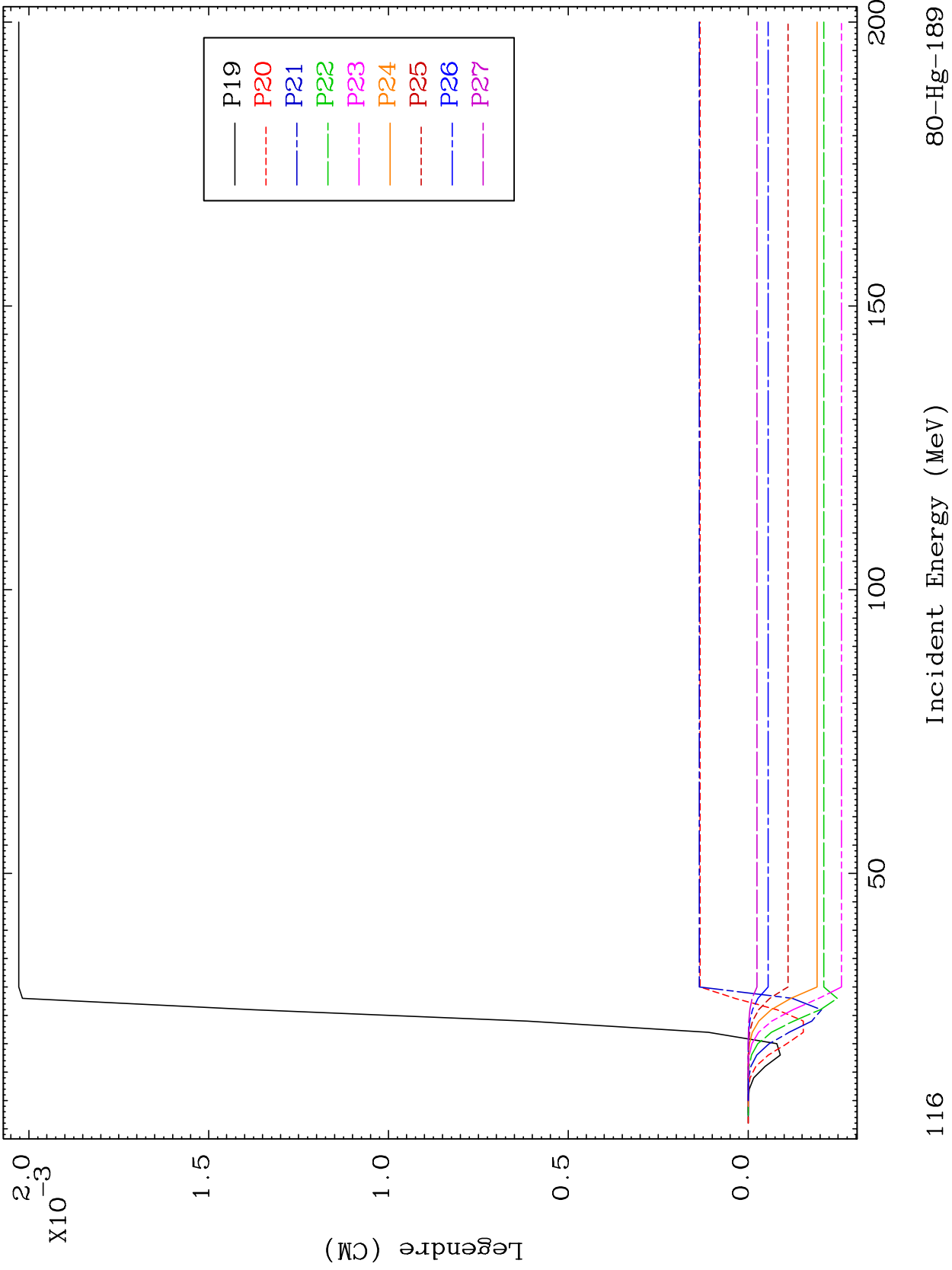




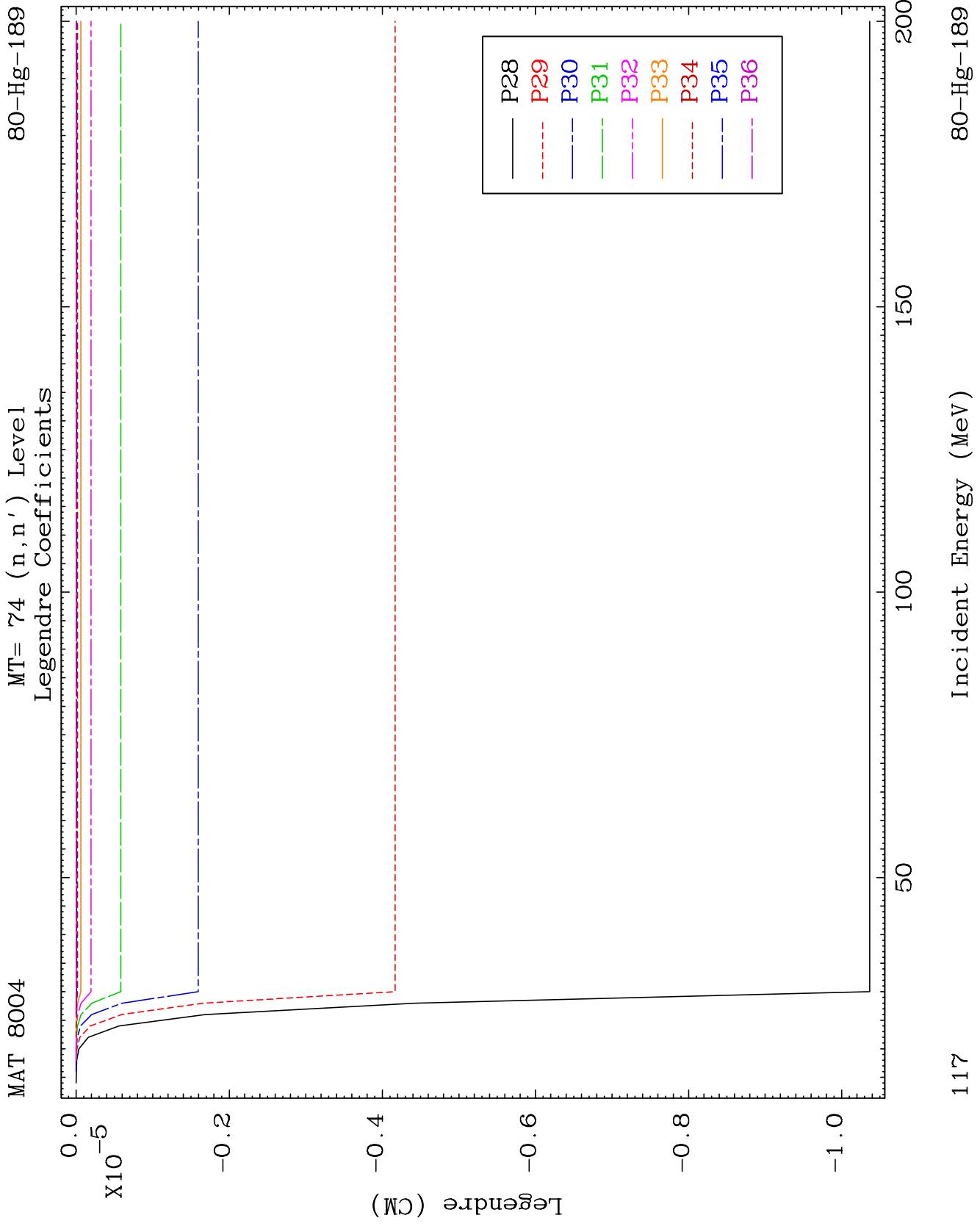
MAT 8004

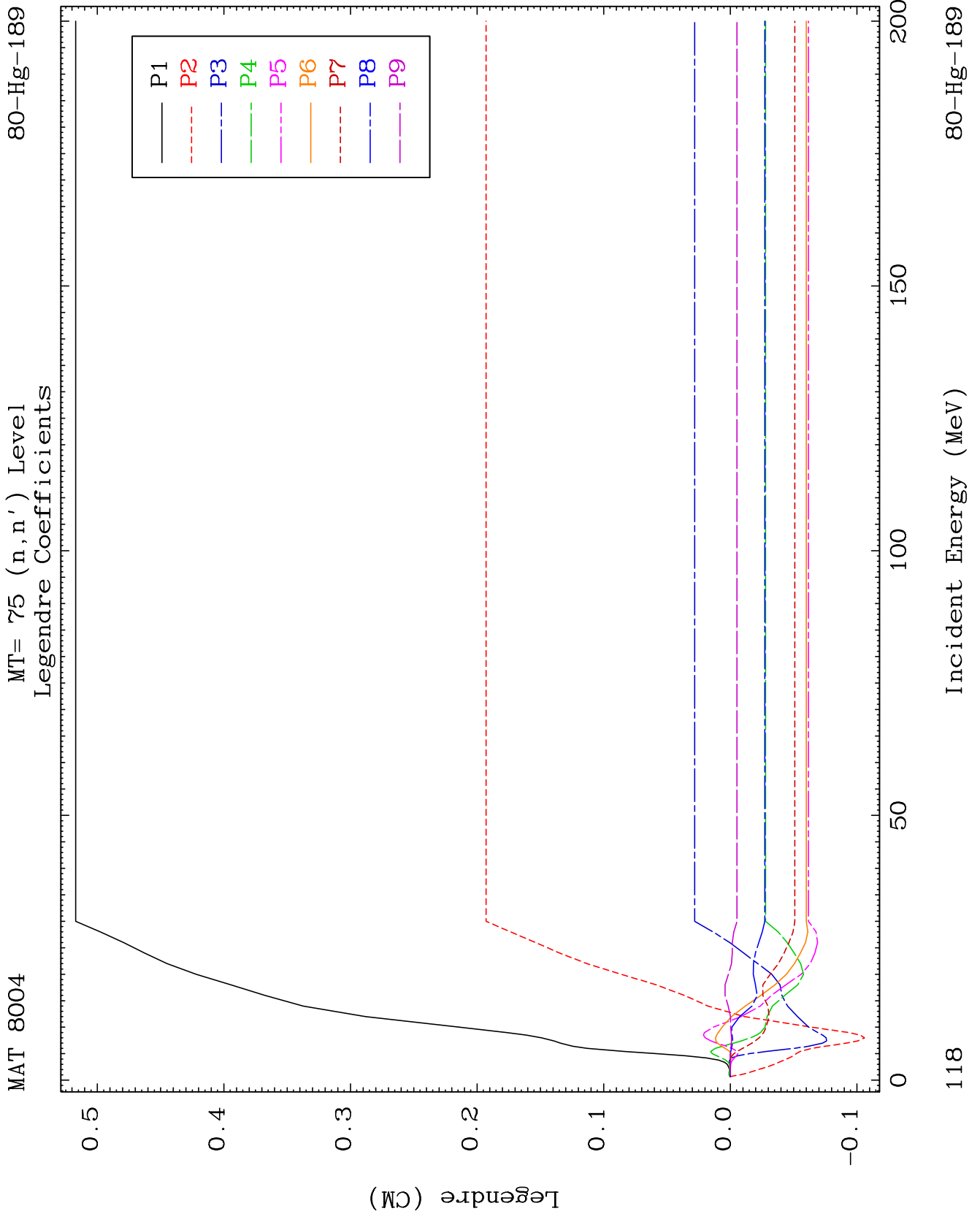
MT= 74 (n,n') Level
Legendre Coefficients

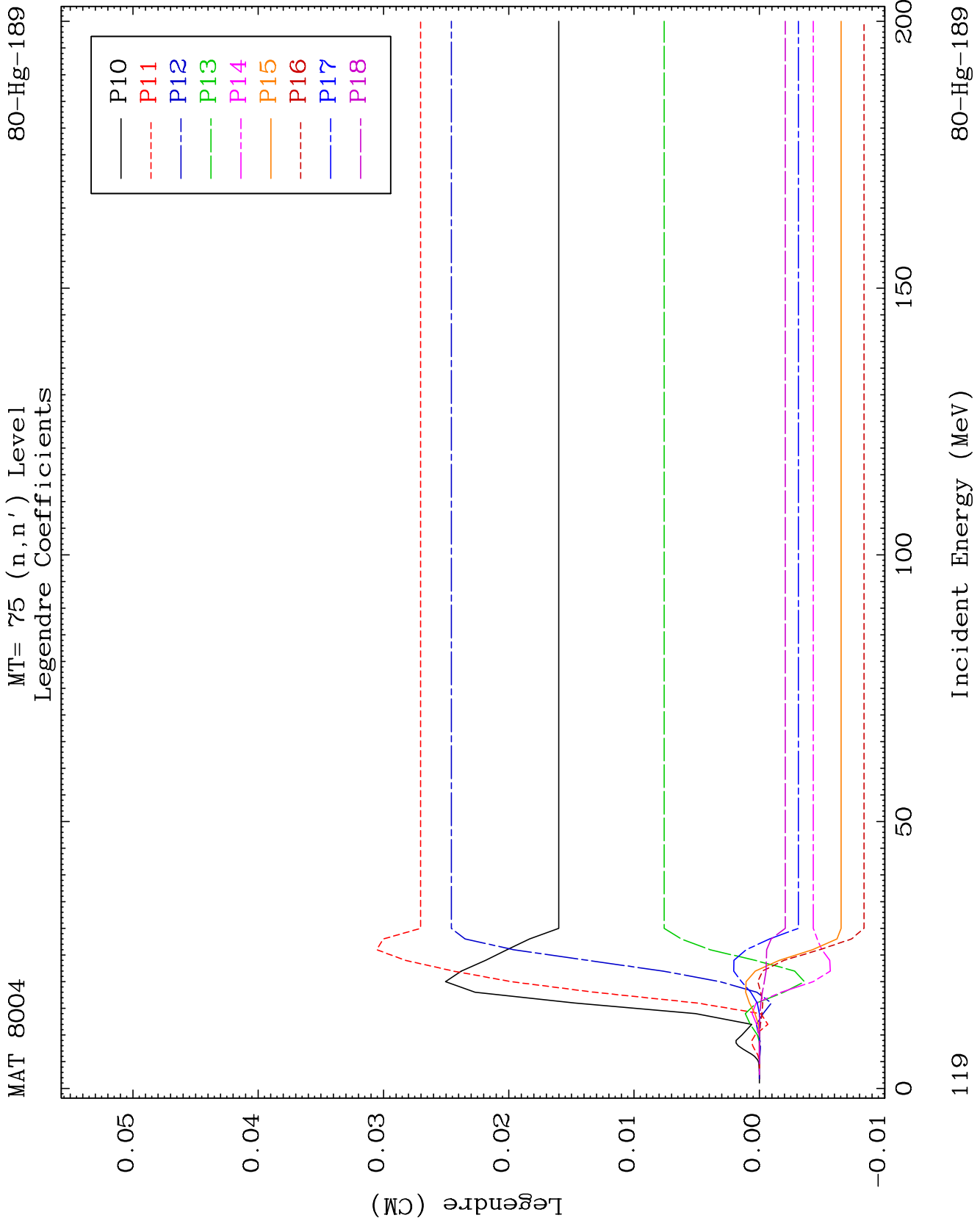
80-Hg-189



116



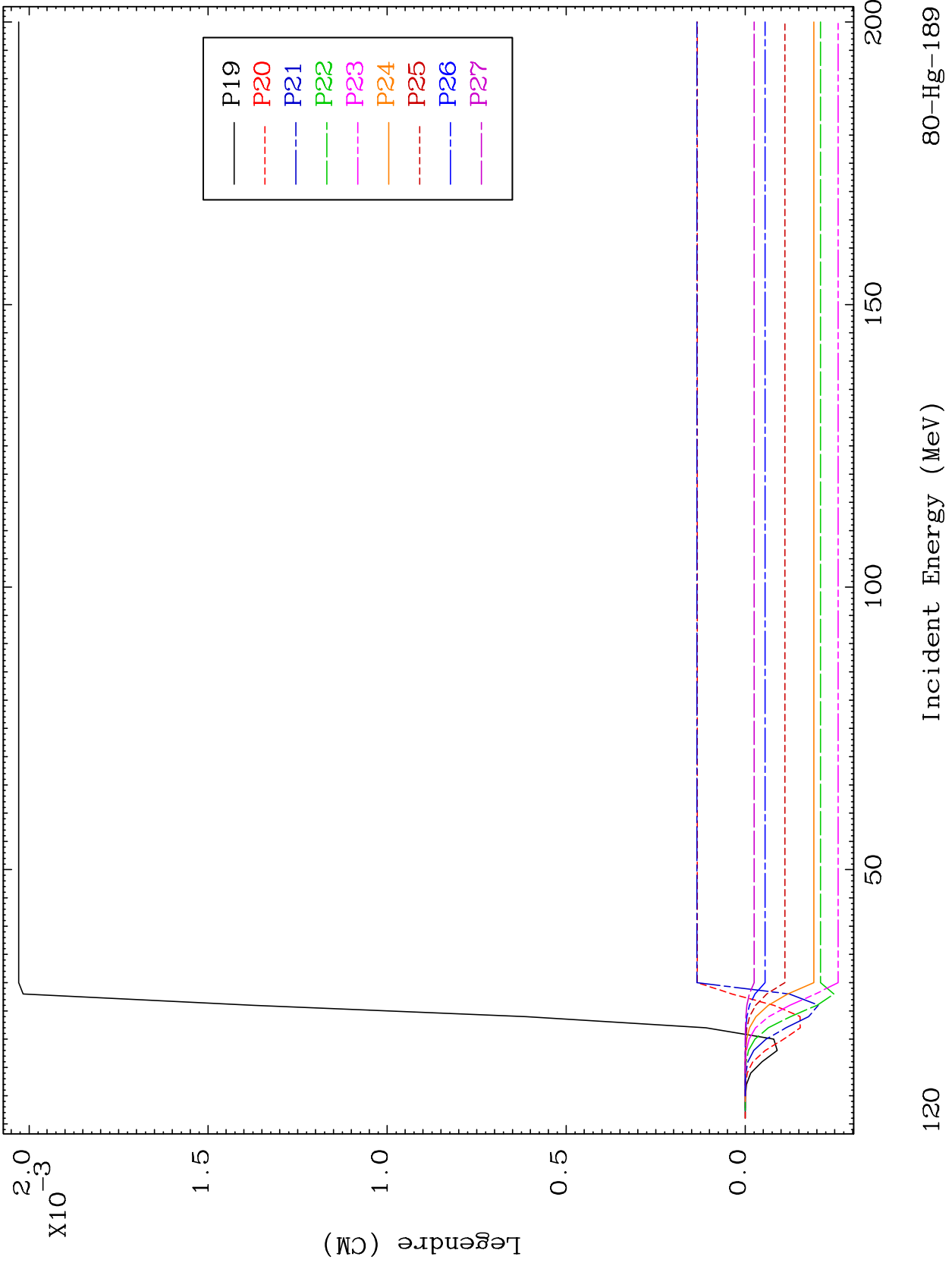




MAT 8004

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

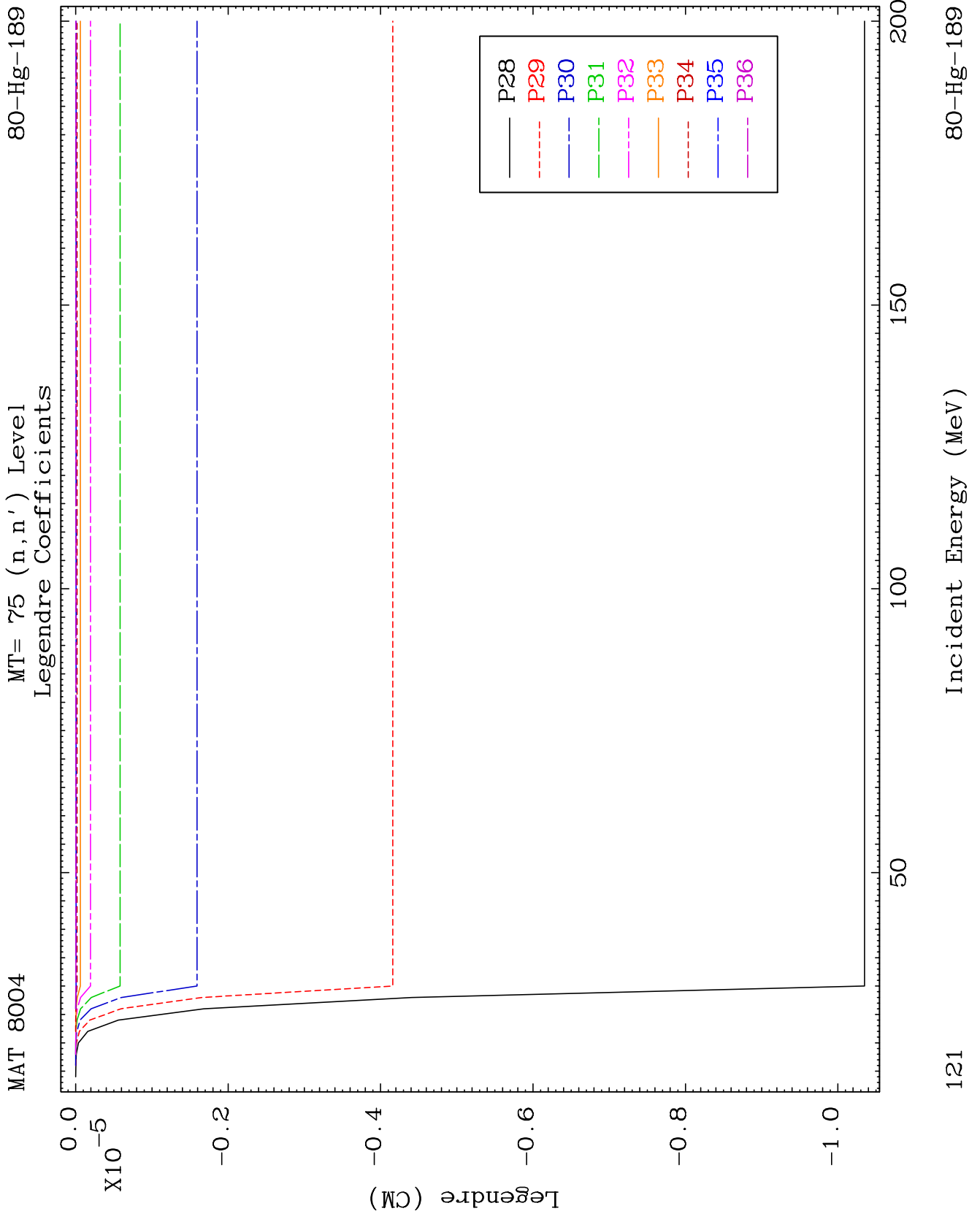
80-Hg-189



120

Incident Energy (MeV)

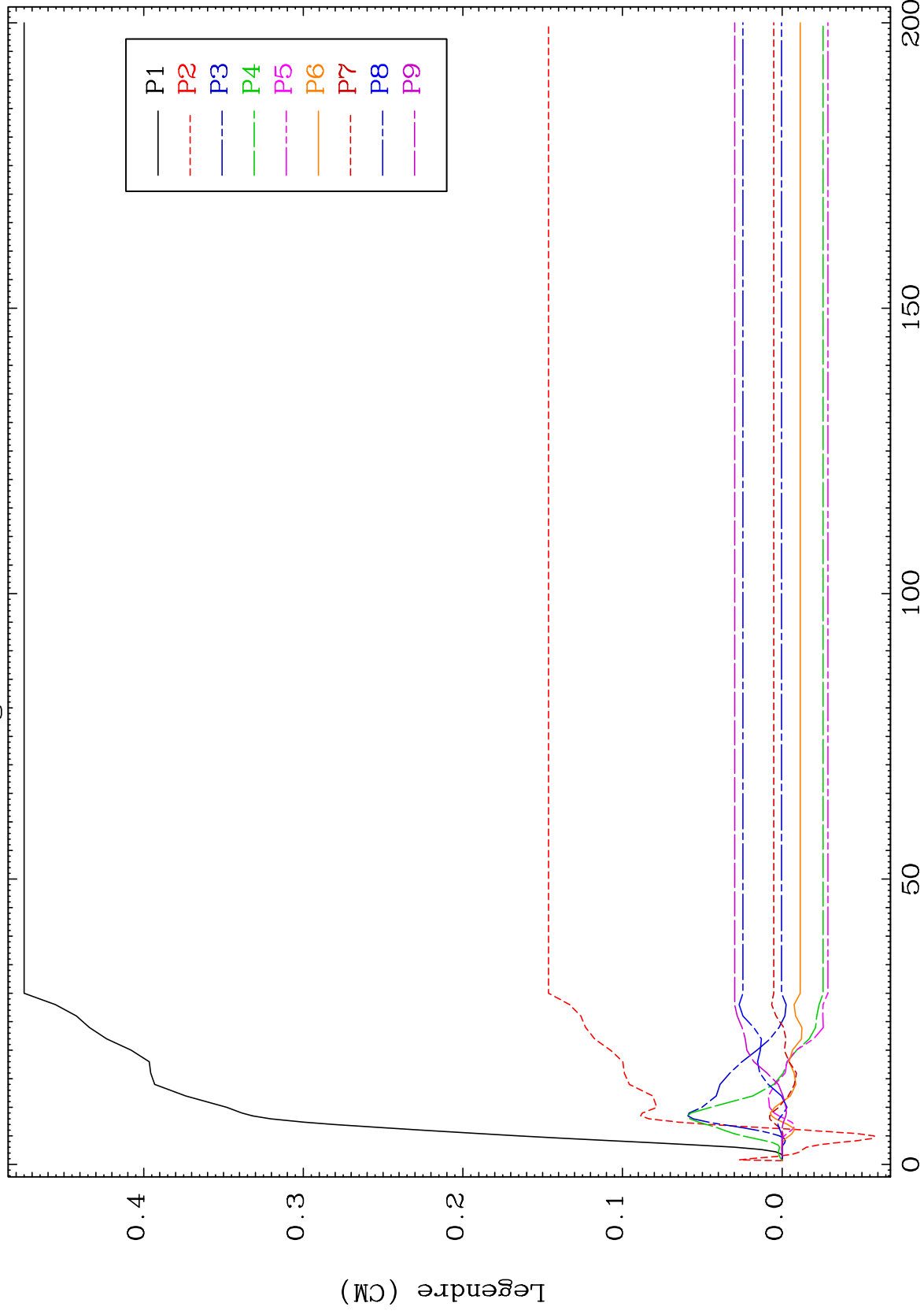
80-Hg-189



MAT 8004

MT= 76 (n,n') Level
Legendre Coefficients

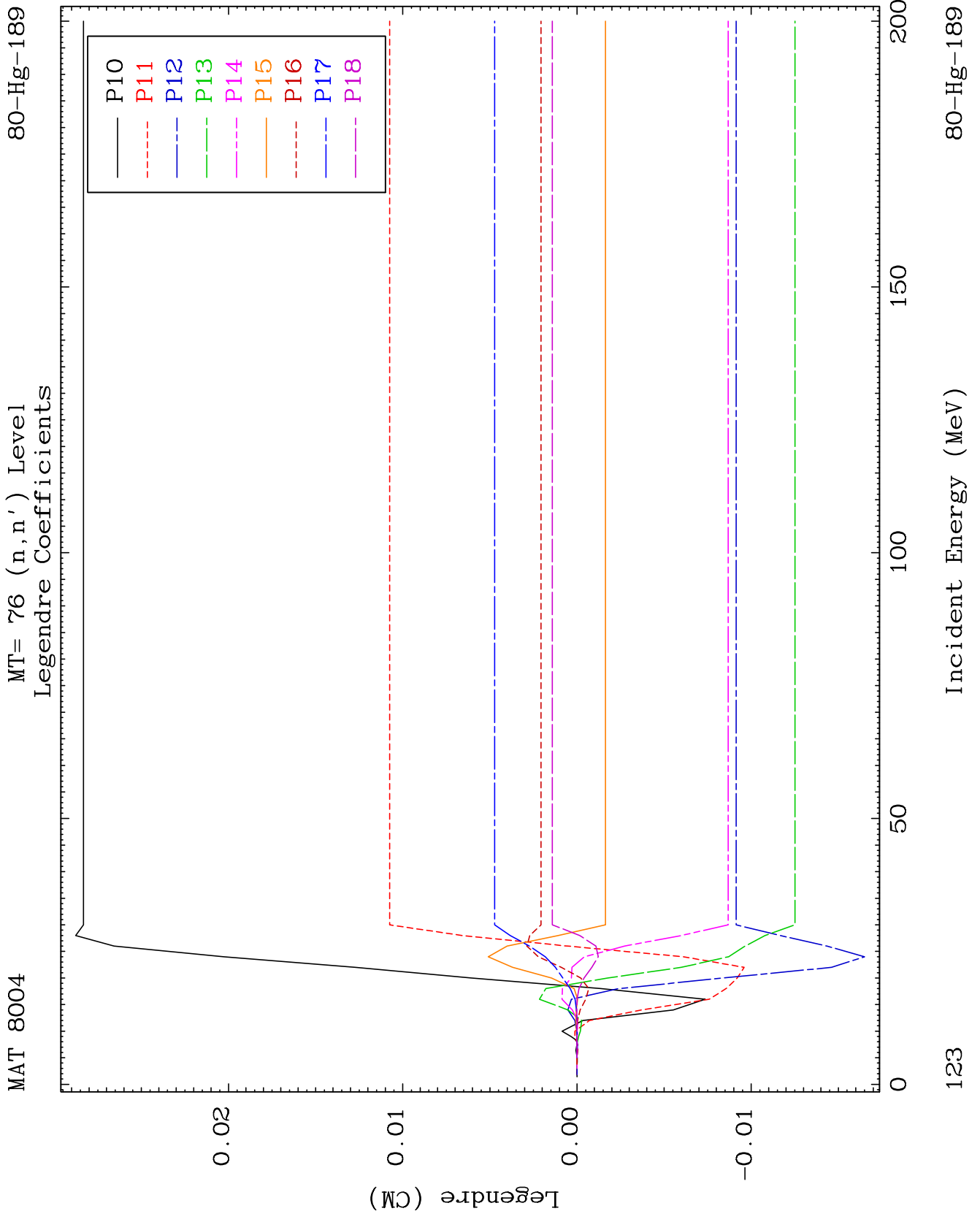
80-Hg-189

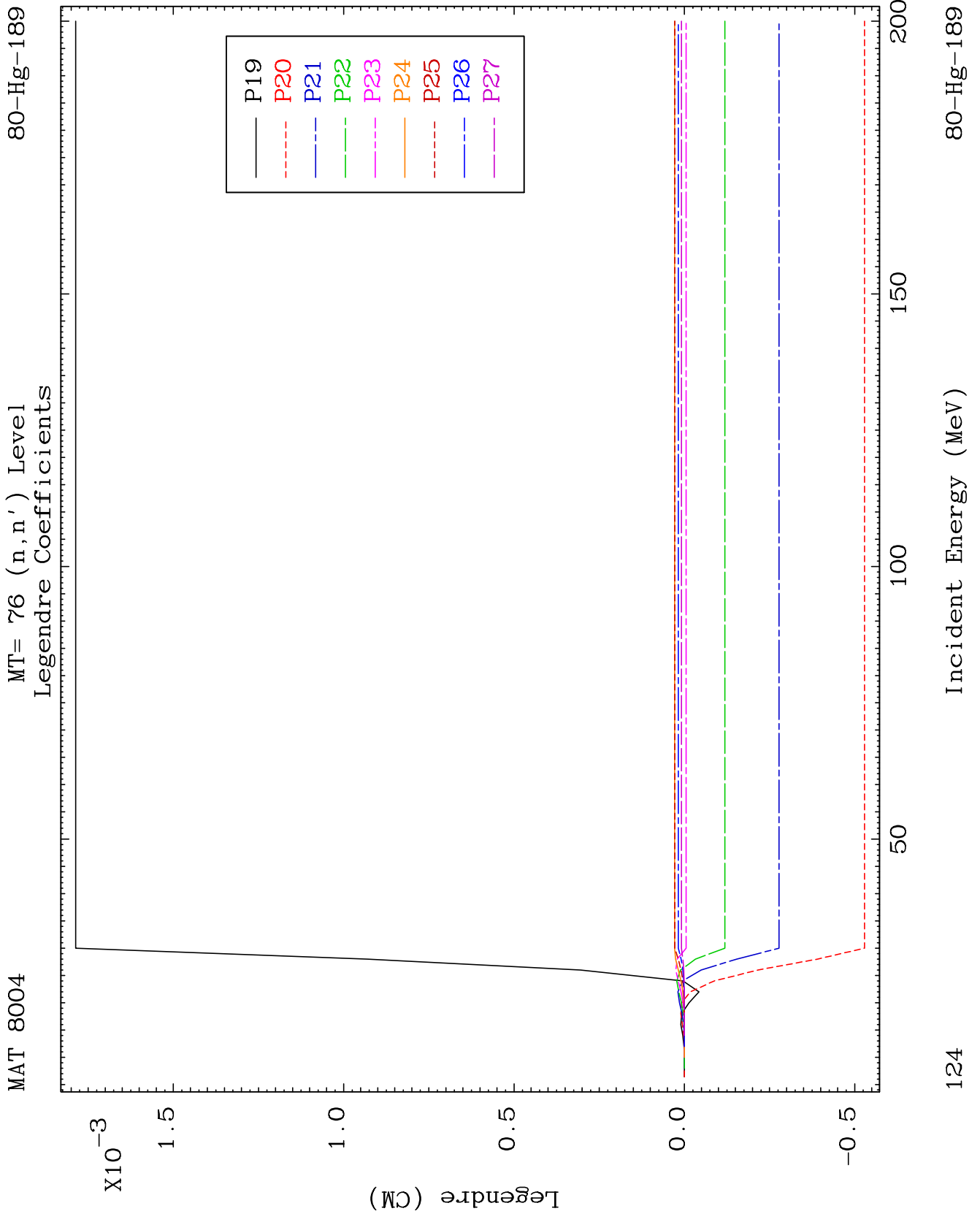


122

Incident Energy (MeV)

80-Hg-189

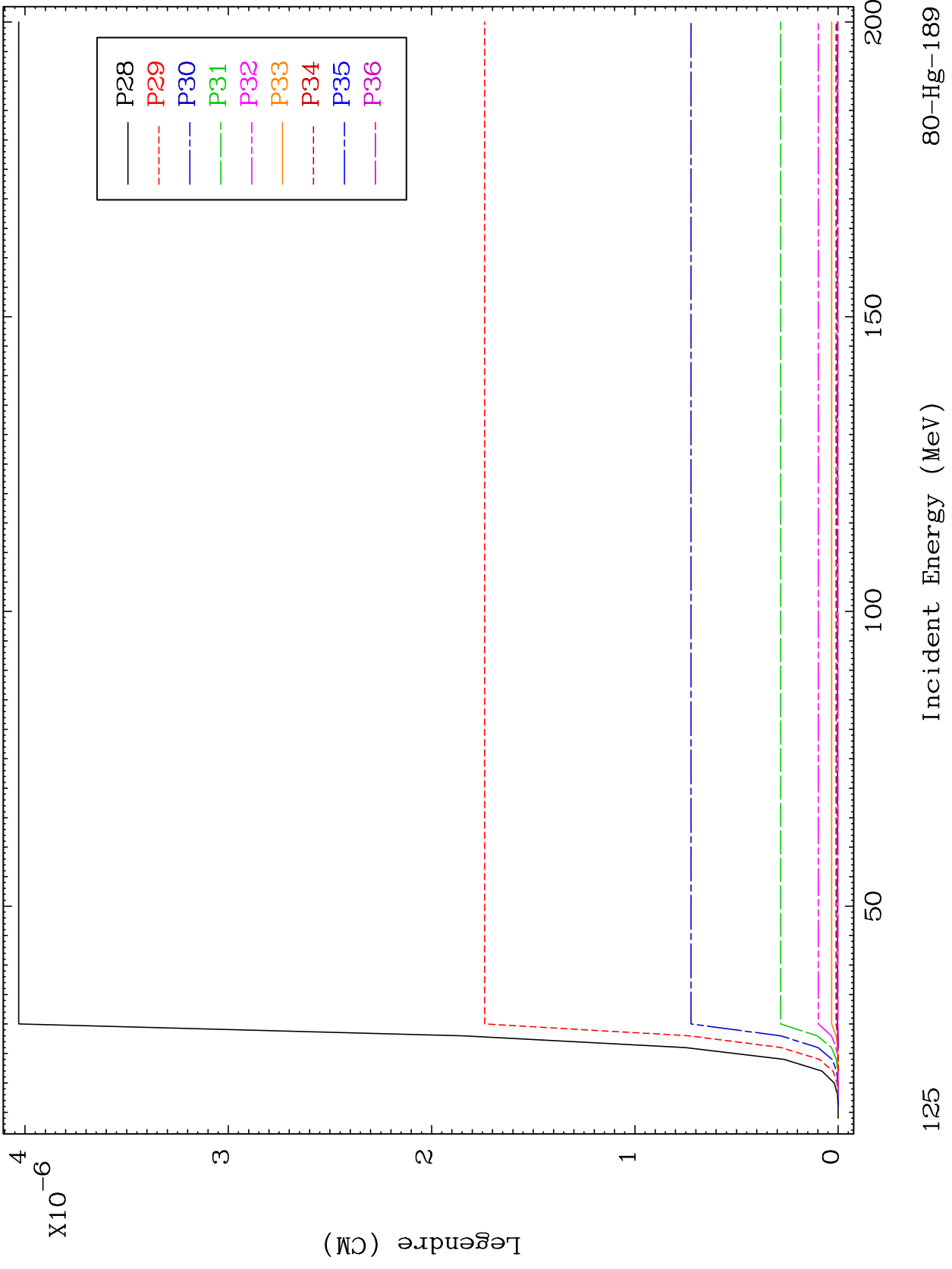




MAT 8004

MT= 76 (n,n') Level
Legendre Coefficients

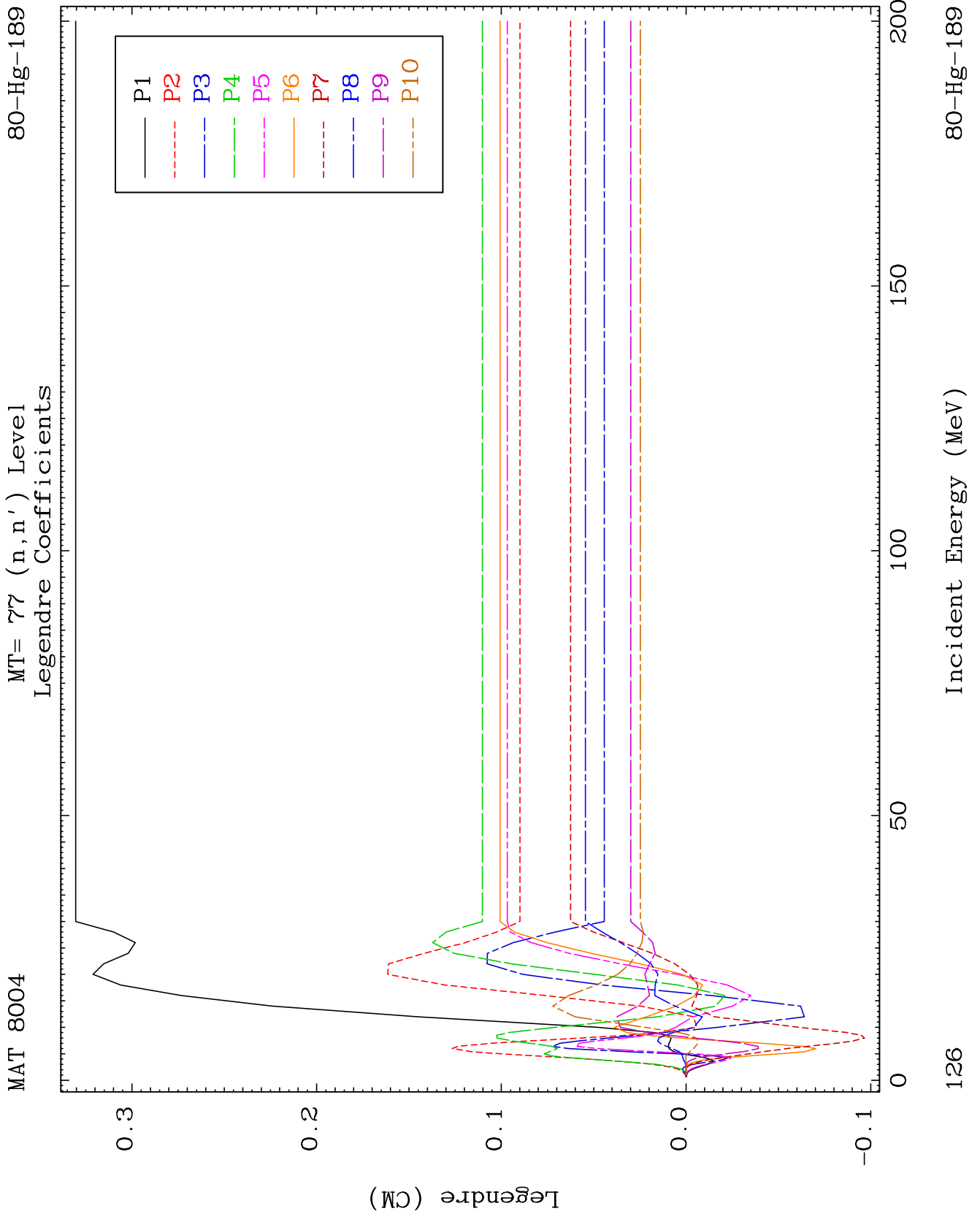
80-Hg-189

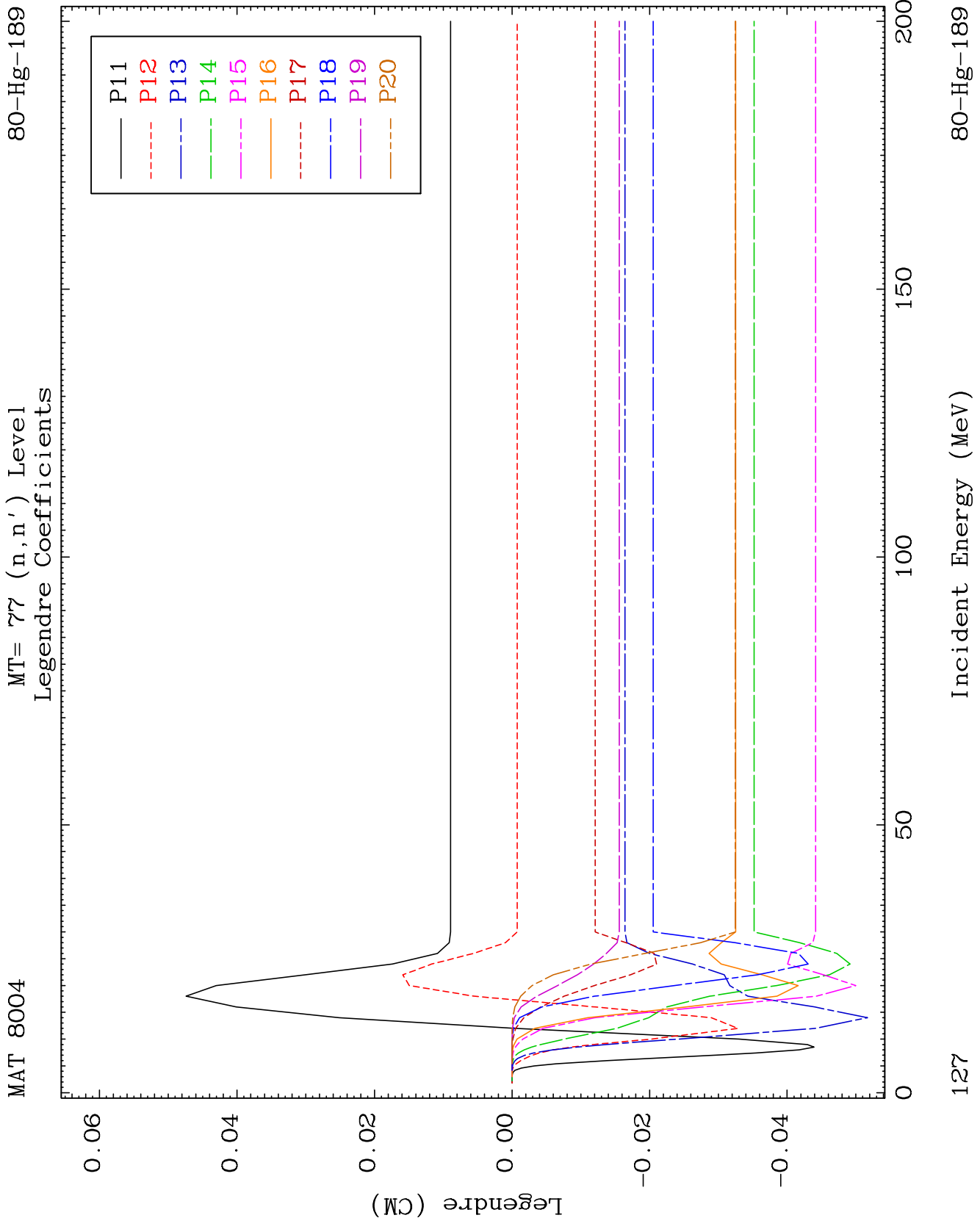


80-Hg-189

Incident Energy (MeV)

125

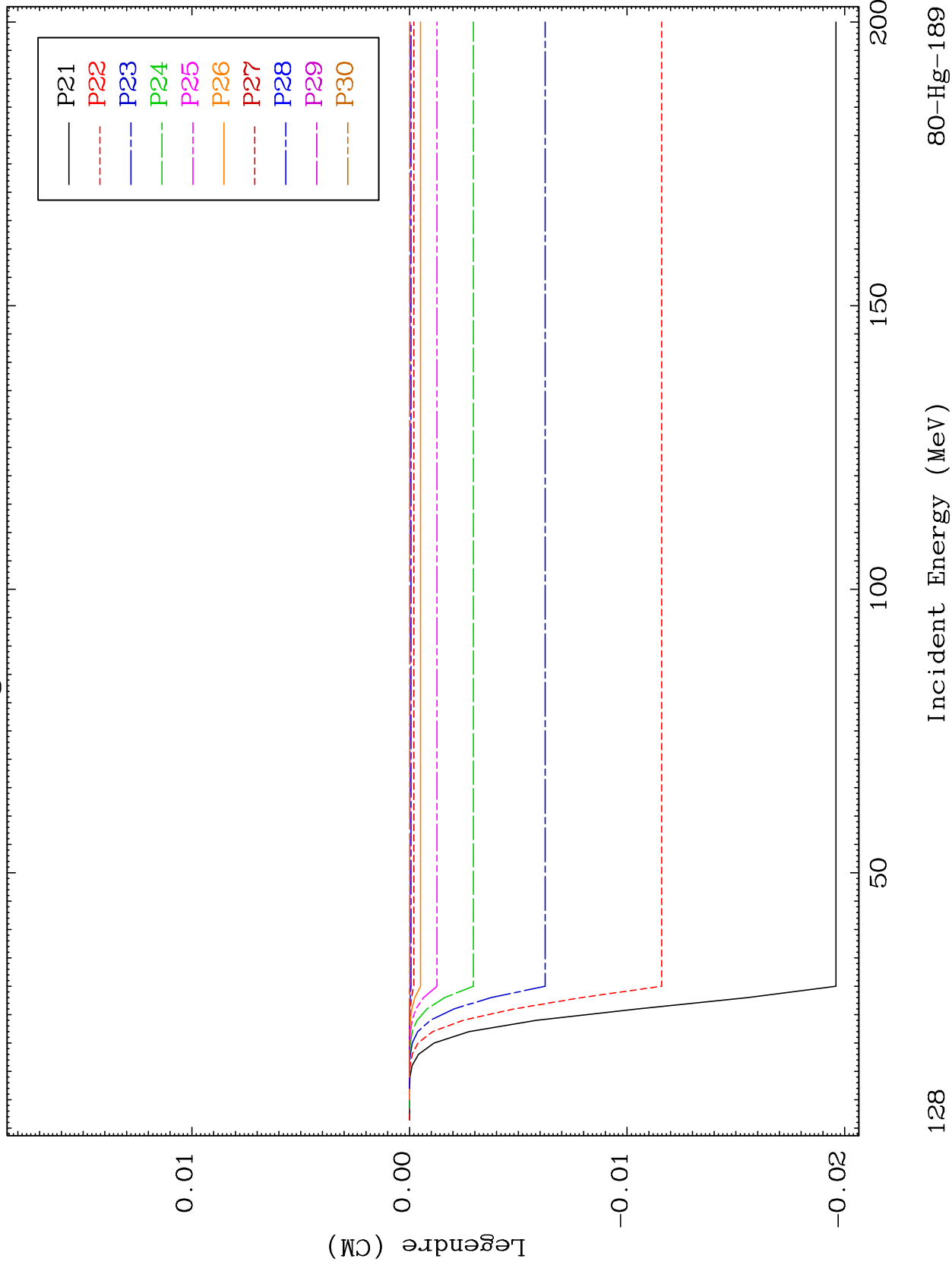




MAT 8004

MT= 77 (n,n') Level
Legendre Coefficients

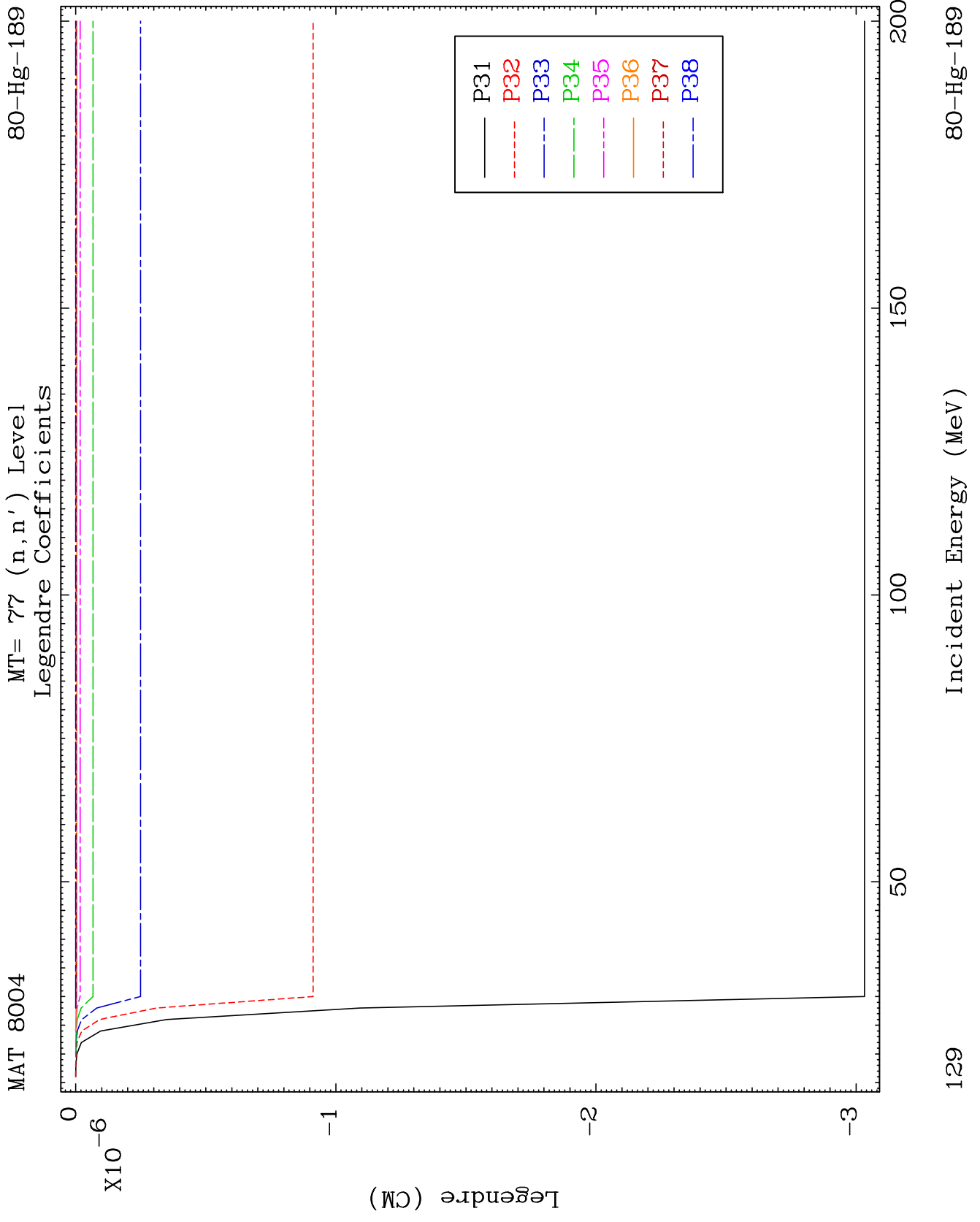
80-Hg-189



128

Incident Energy (MeV)

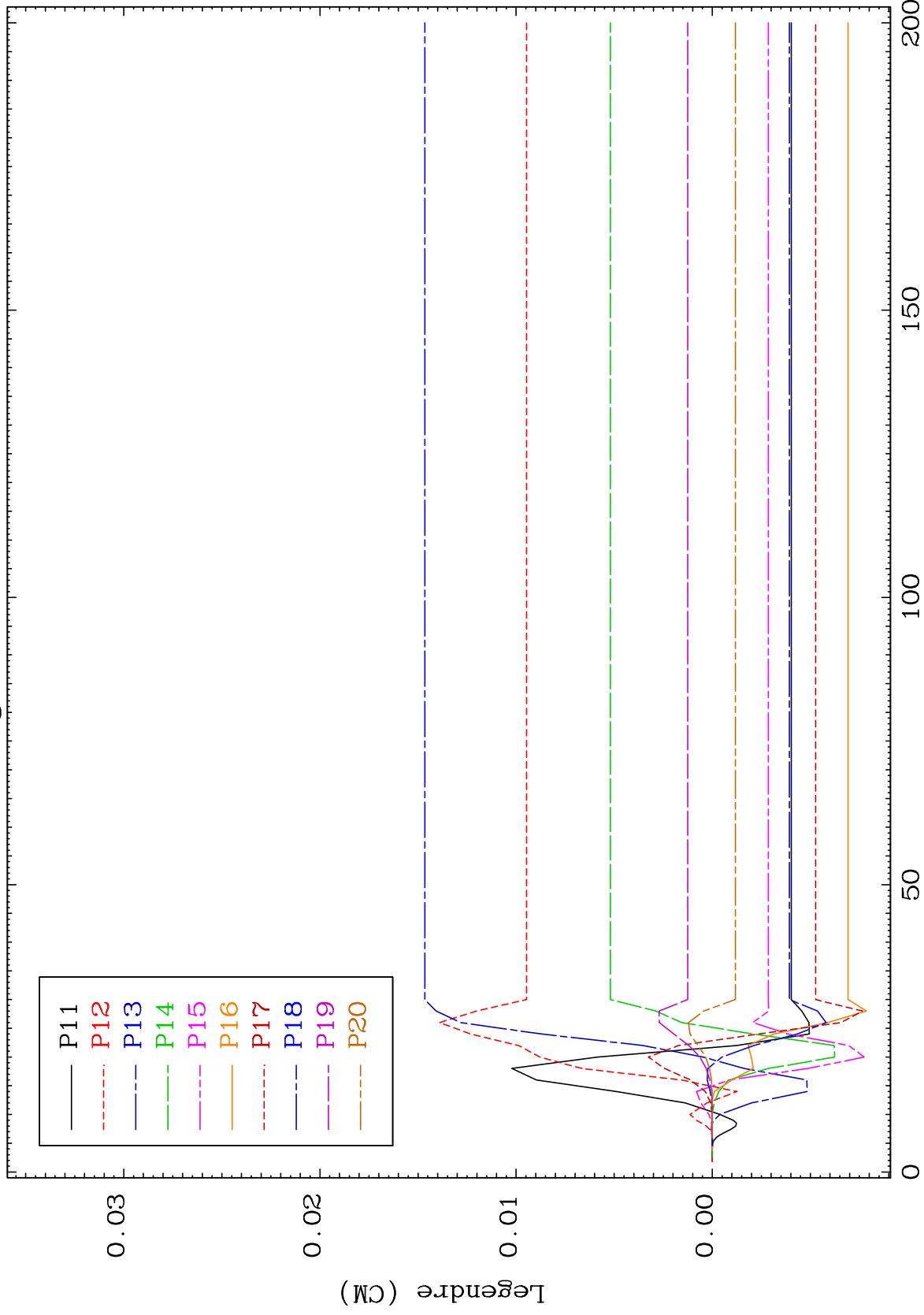
80-Hg-189



MAT 8004

MT= 78 (n,n') Level
Legendre Coefficients

80-Hg-189



131

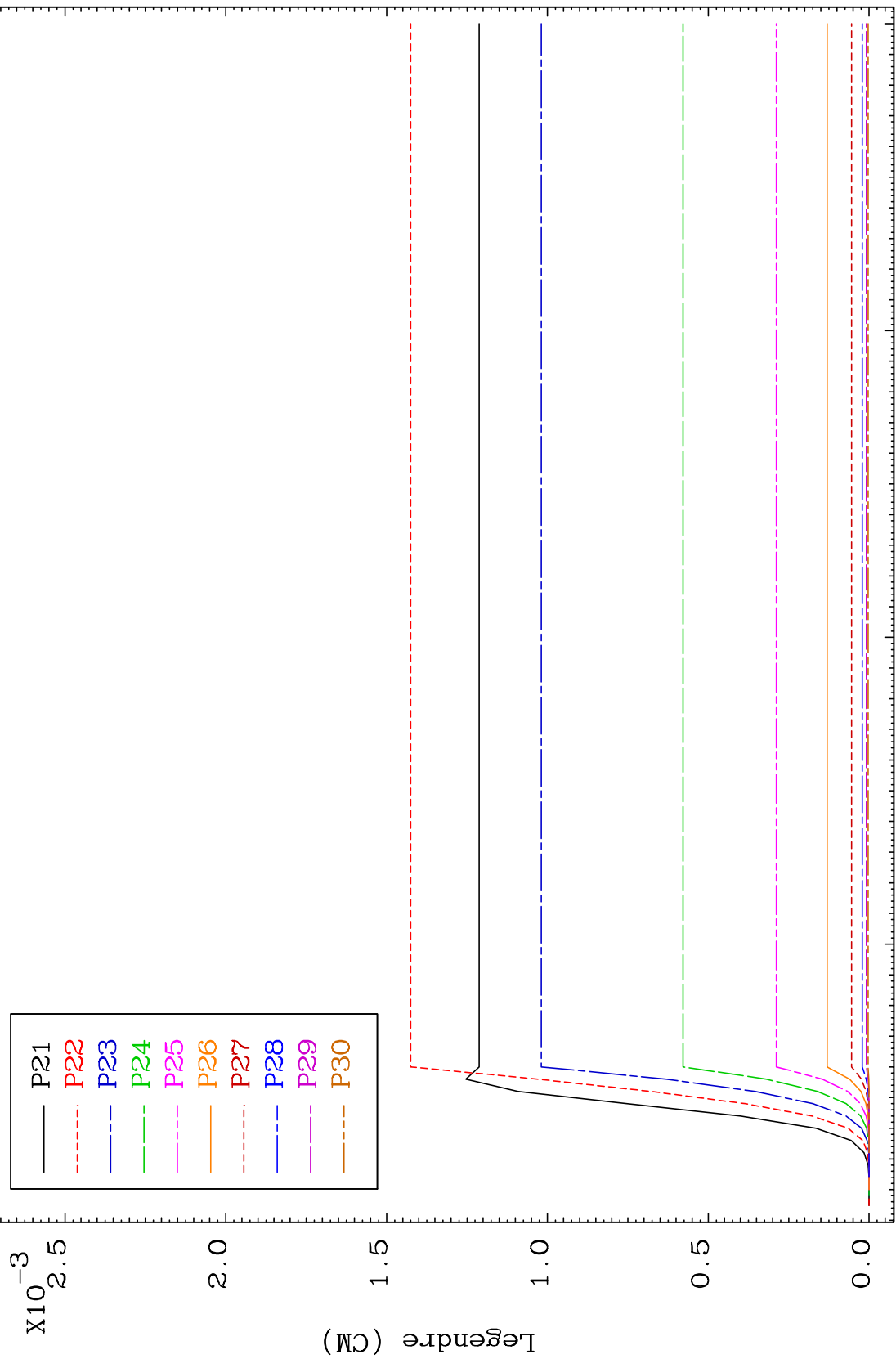
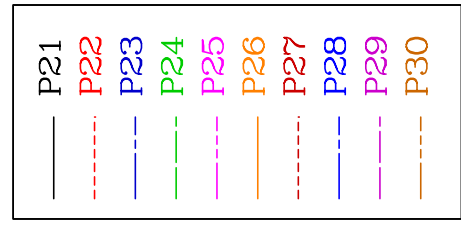
Incident Energy (MeV)

80-Hg-189

MAT 8004

MT= 78 (n,n') Level
Legendre Coefficients

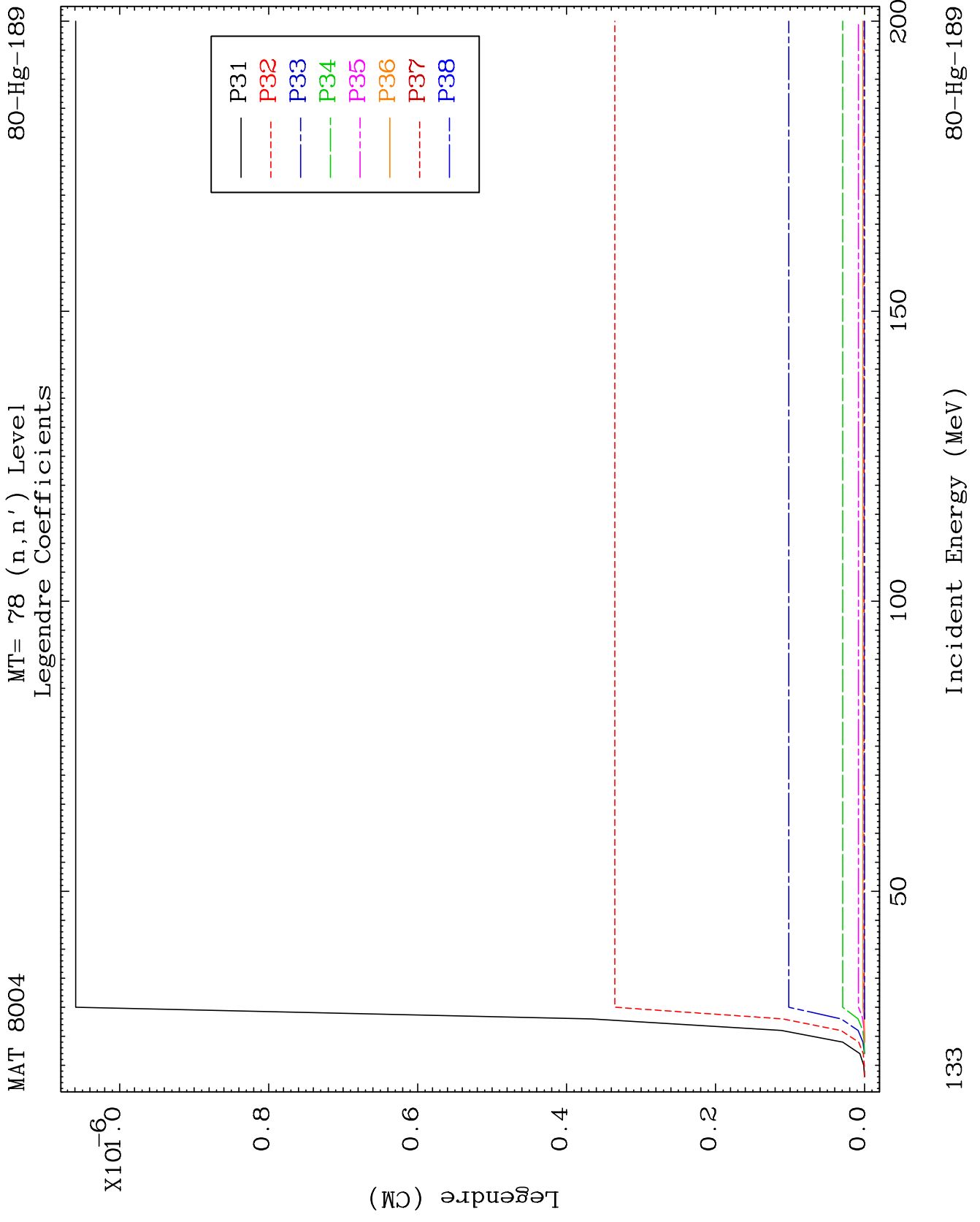
80-Hg-189



132

Incident Energy (MeV)

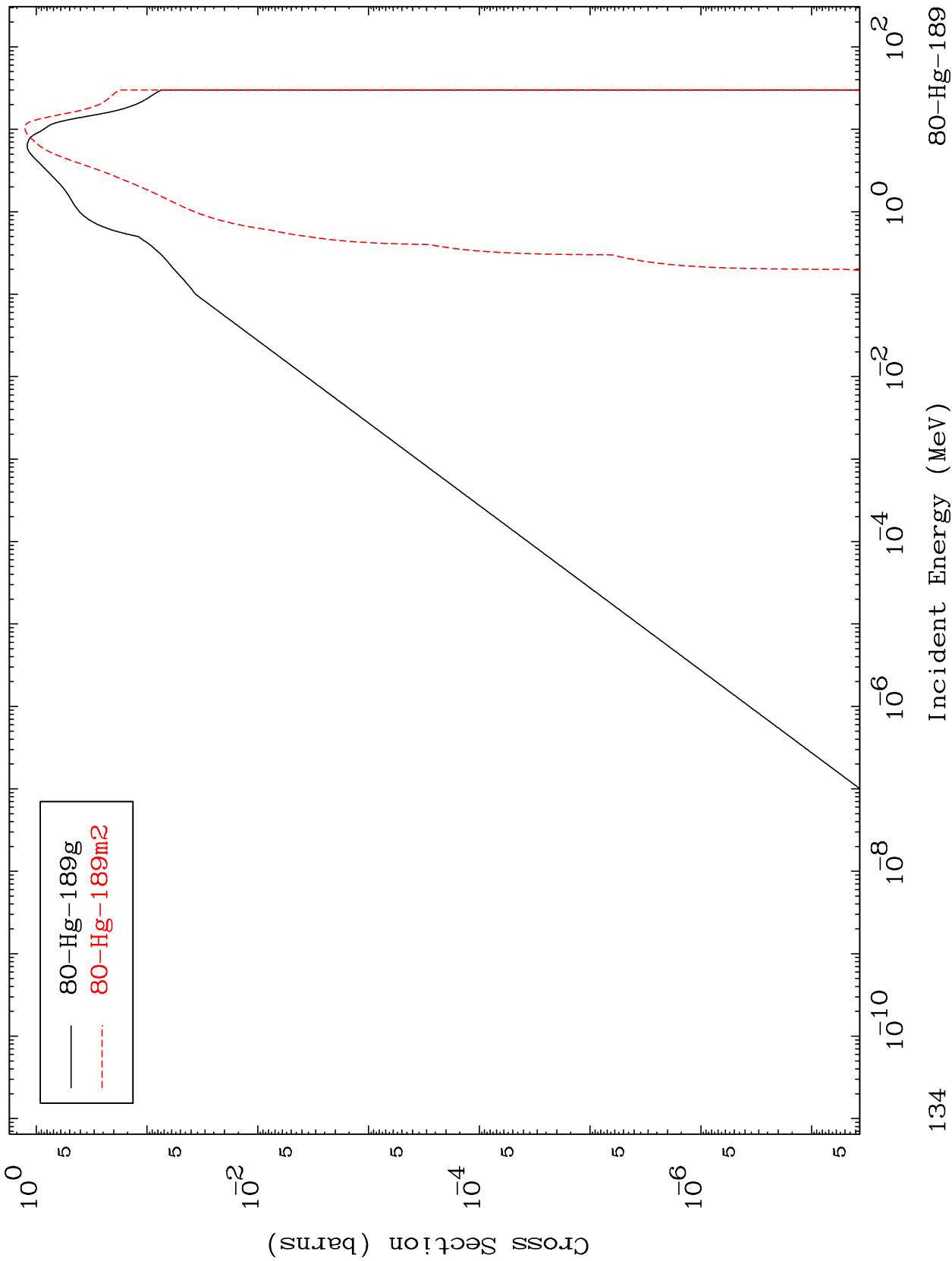
80-Hg-189



MAT 8004

Inelastic
Radionuclide Production Cross Section

80-Hg-189



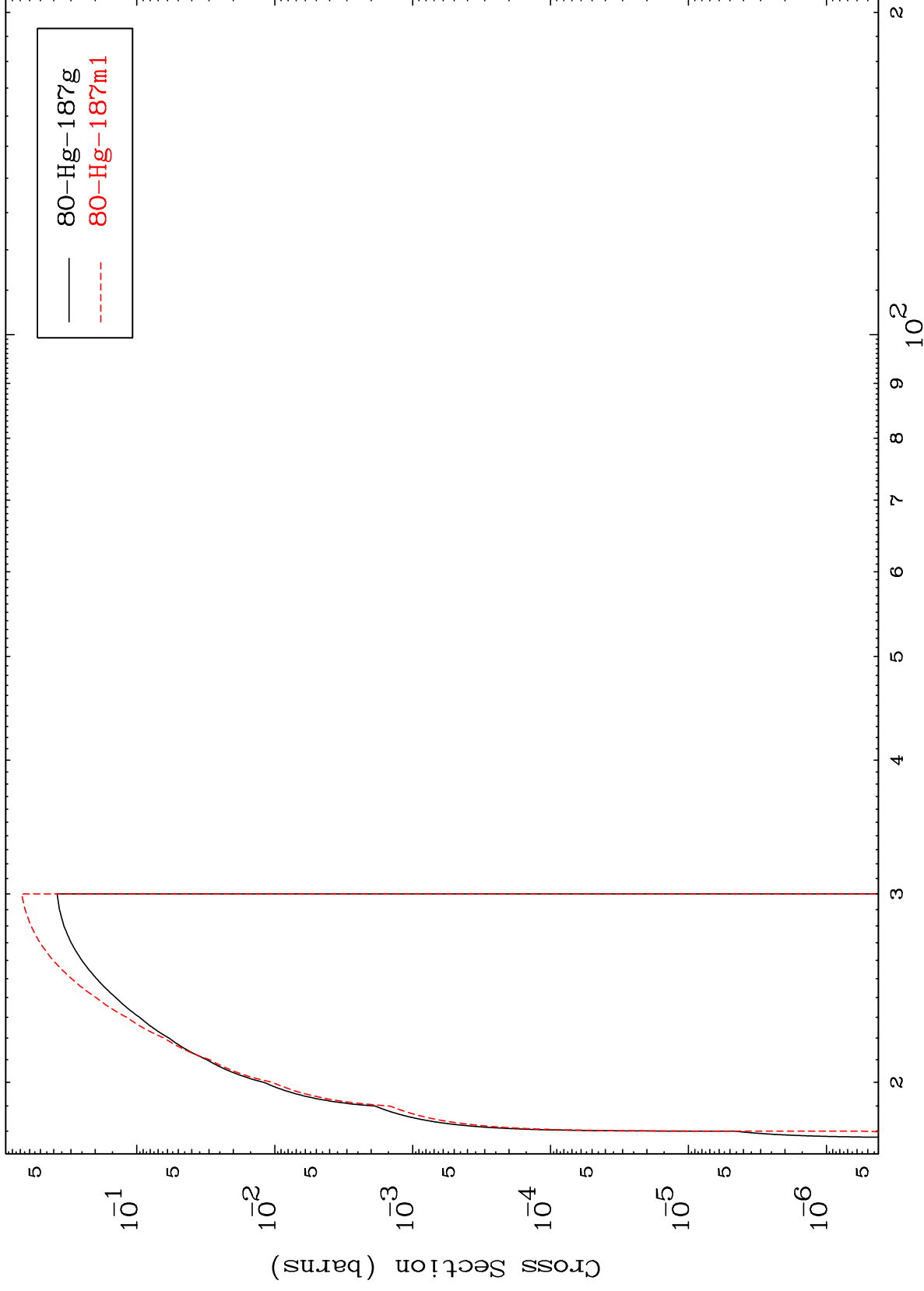
80-Hg-189

MAT 8004

(n,3n)

80-Hg-189

Radionuclide Production Cross Section



135

Incident Energy (MeV)

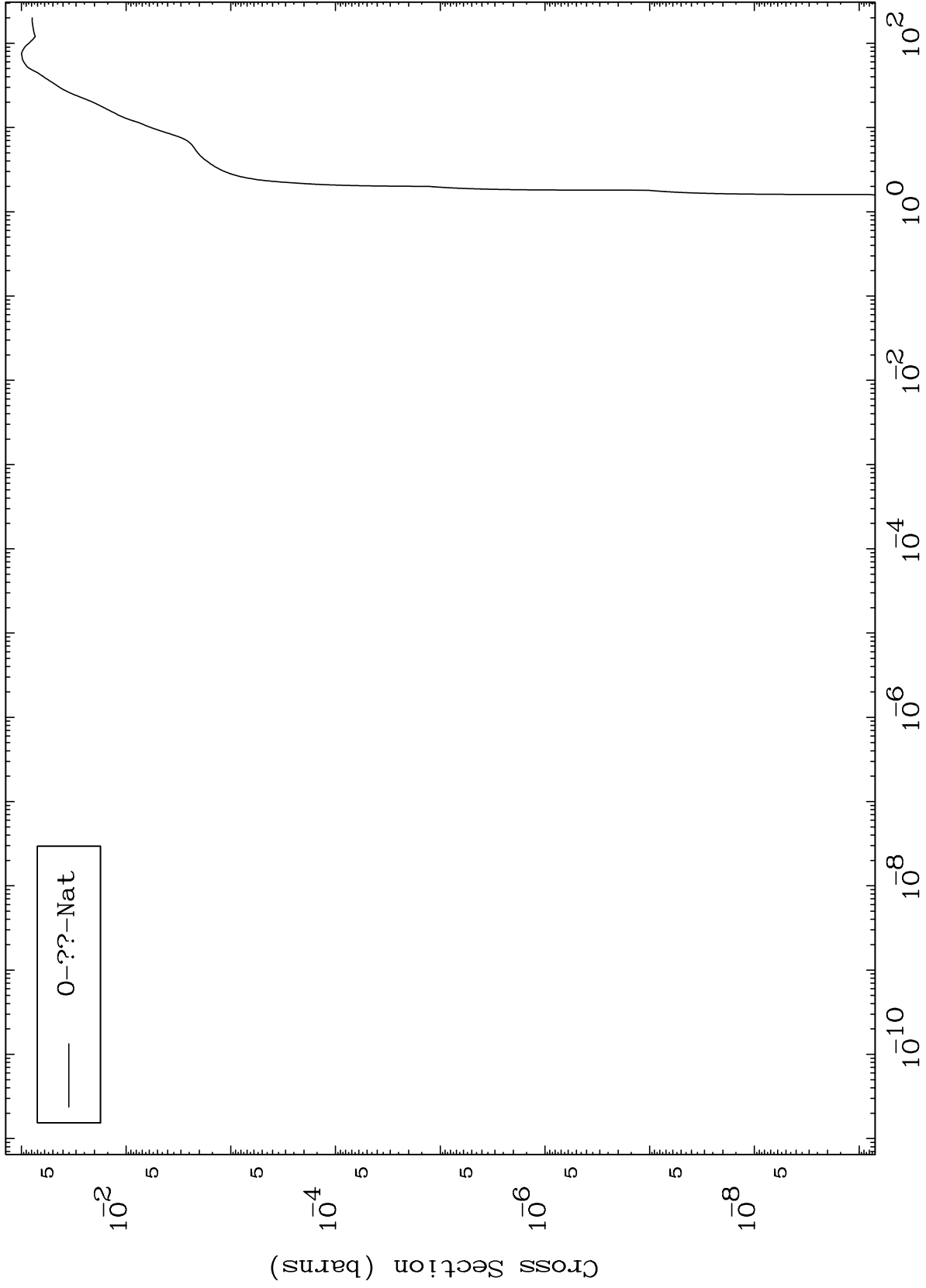
80-Hg-189

MAT 8004

Fission

80-Hg-189

Radionuclide Production Cross Section



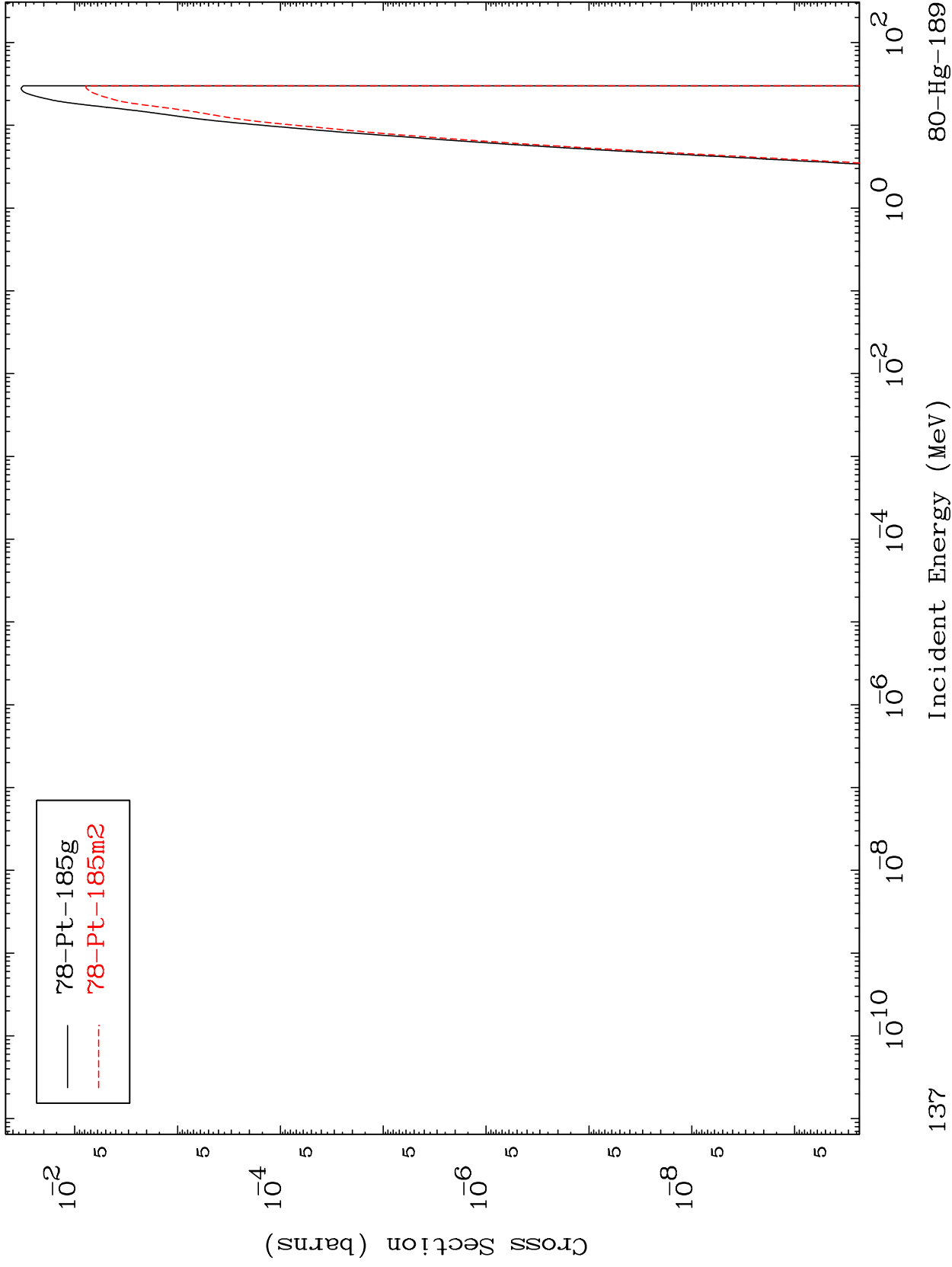
0-??-Nat

MAT 8004

$(n, n') \alpha$

80-Hg-189

Radionuclide Production Cross Section



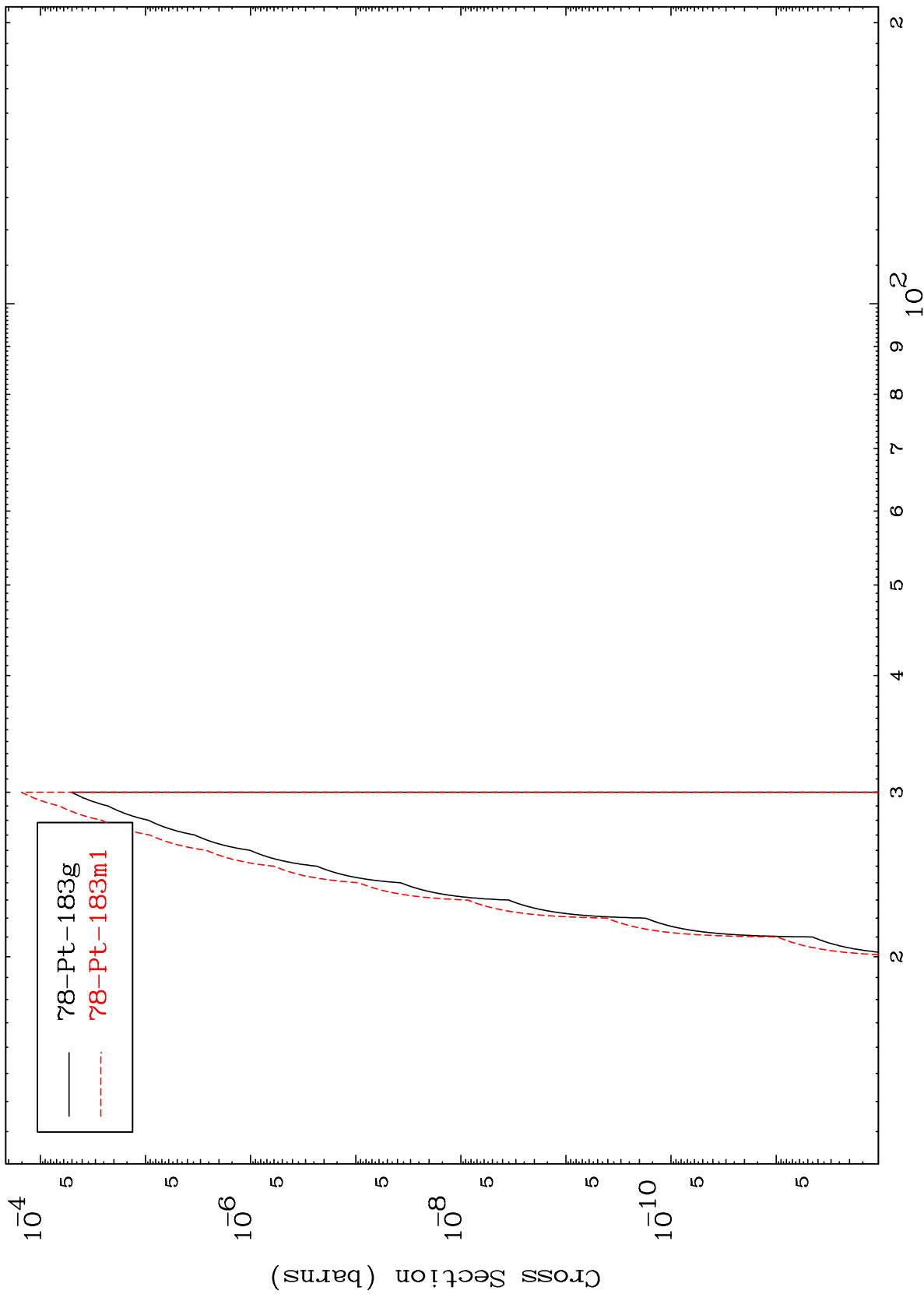
78-Pt-185g
78-Pt-185m2

MAT 8004

80-Hg-189

(n,3n) α

Radionuclide Production Cross Section



138

Incident Energy (MeV)

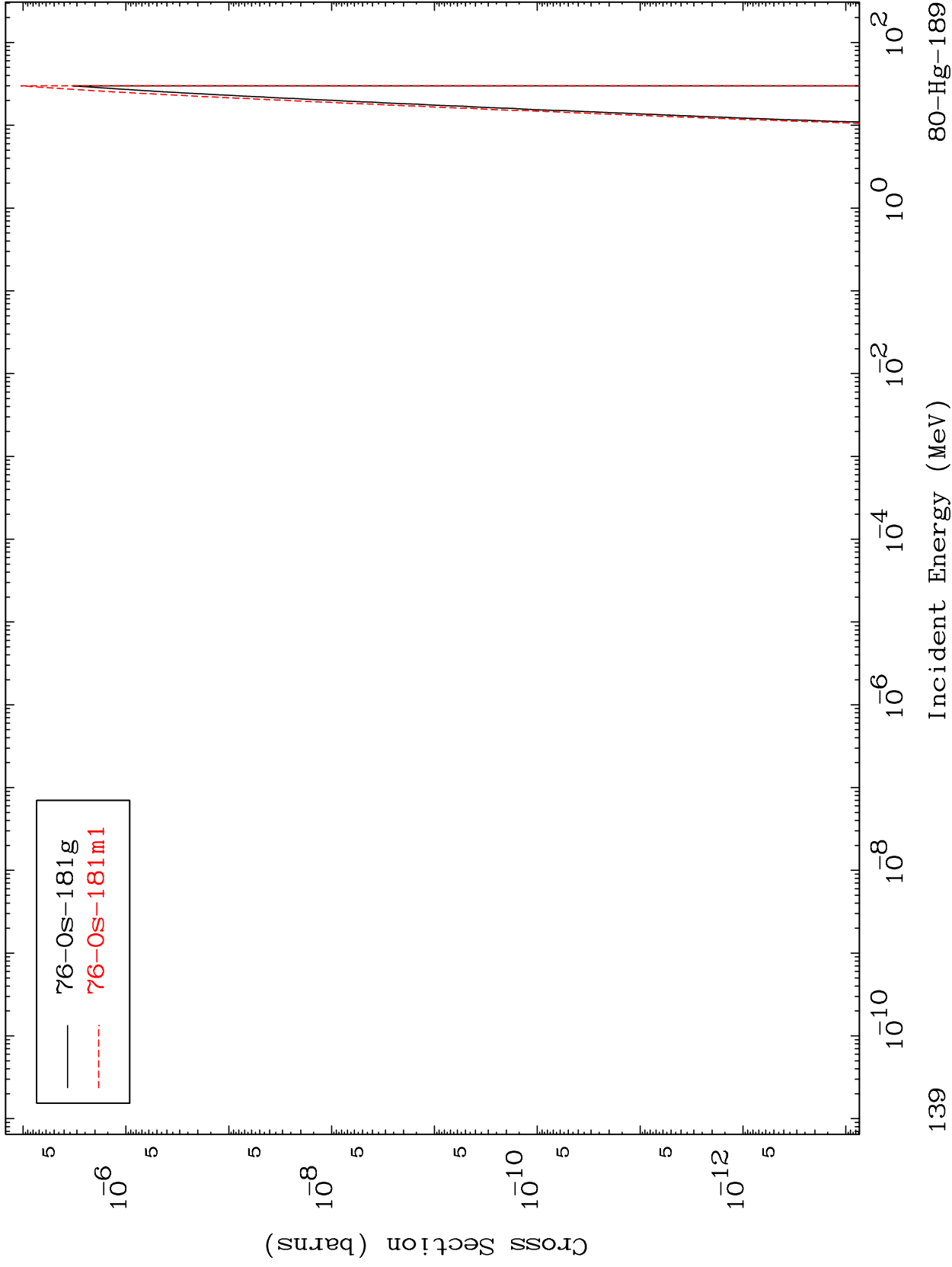
80-Hg-189

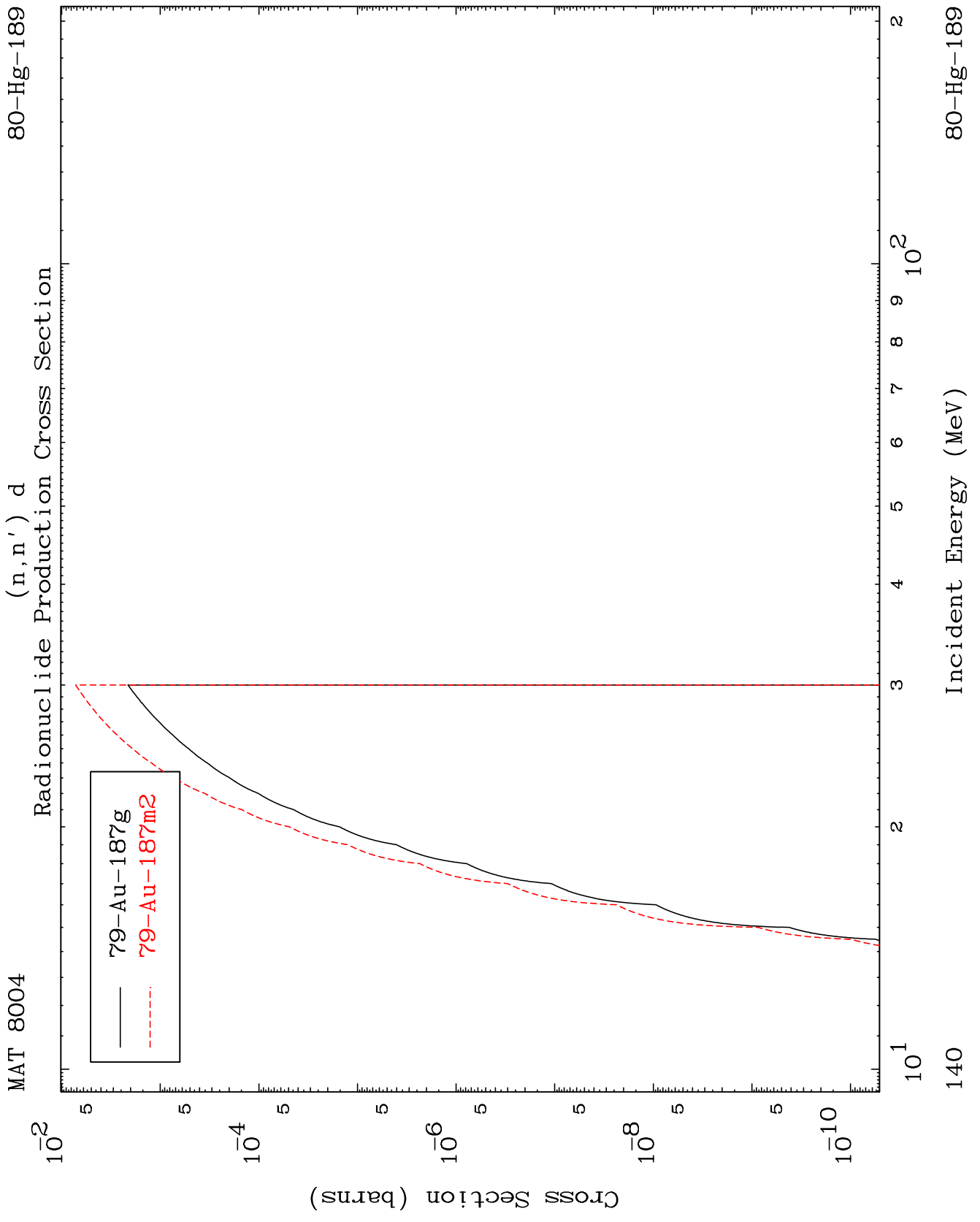
MAT 8004

(n,n') 2α

80-Hg-189

Radionuclide Production Cross Section



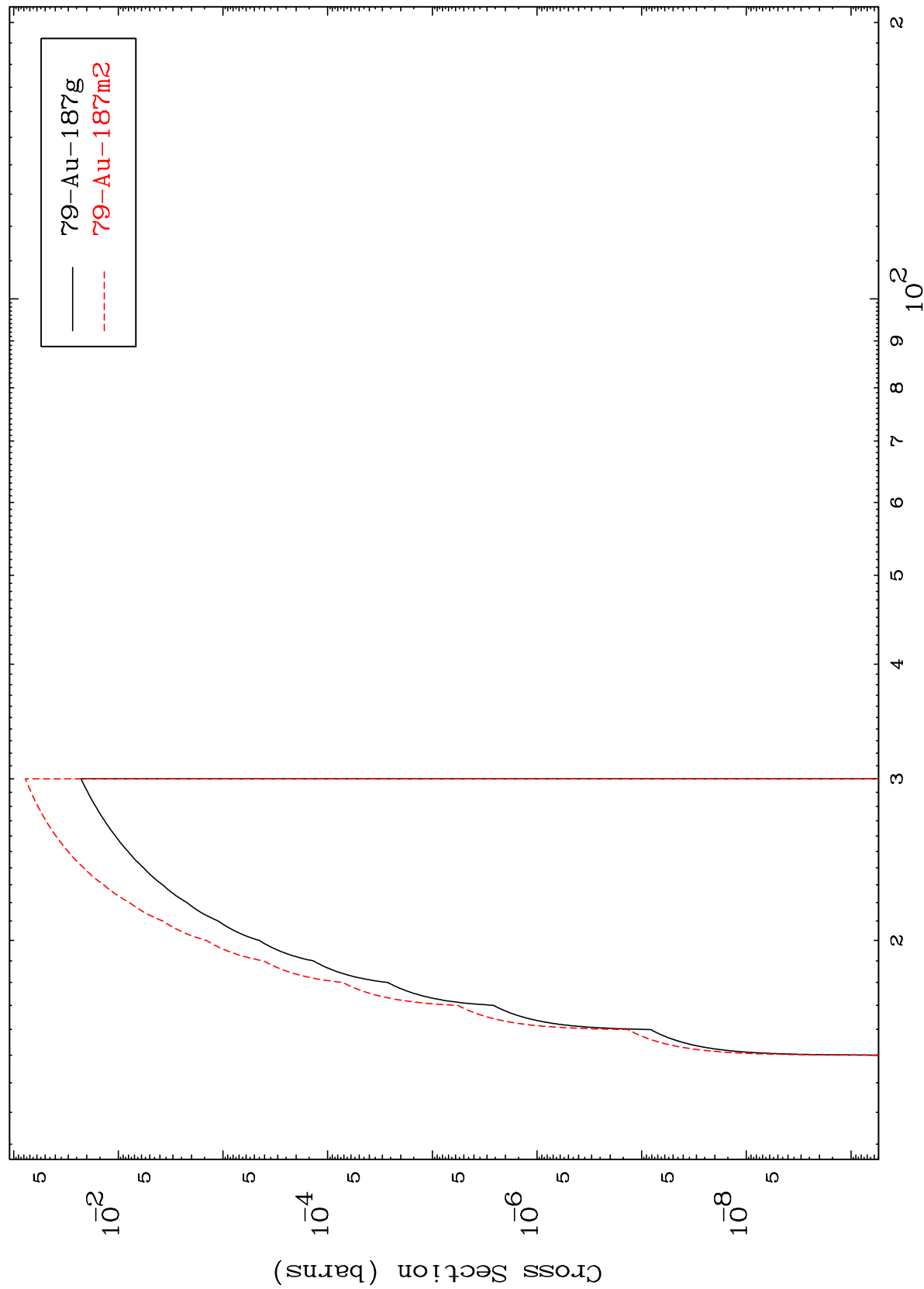


MAT 8004

(n,2n) p

80-Hg-189

Radionuclide Production Cross Section



141

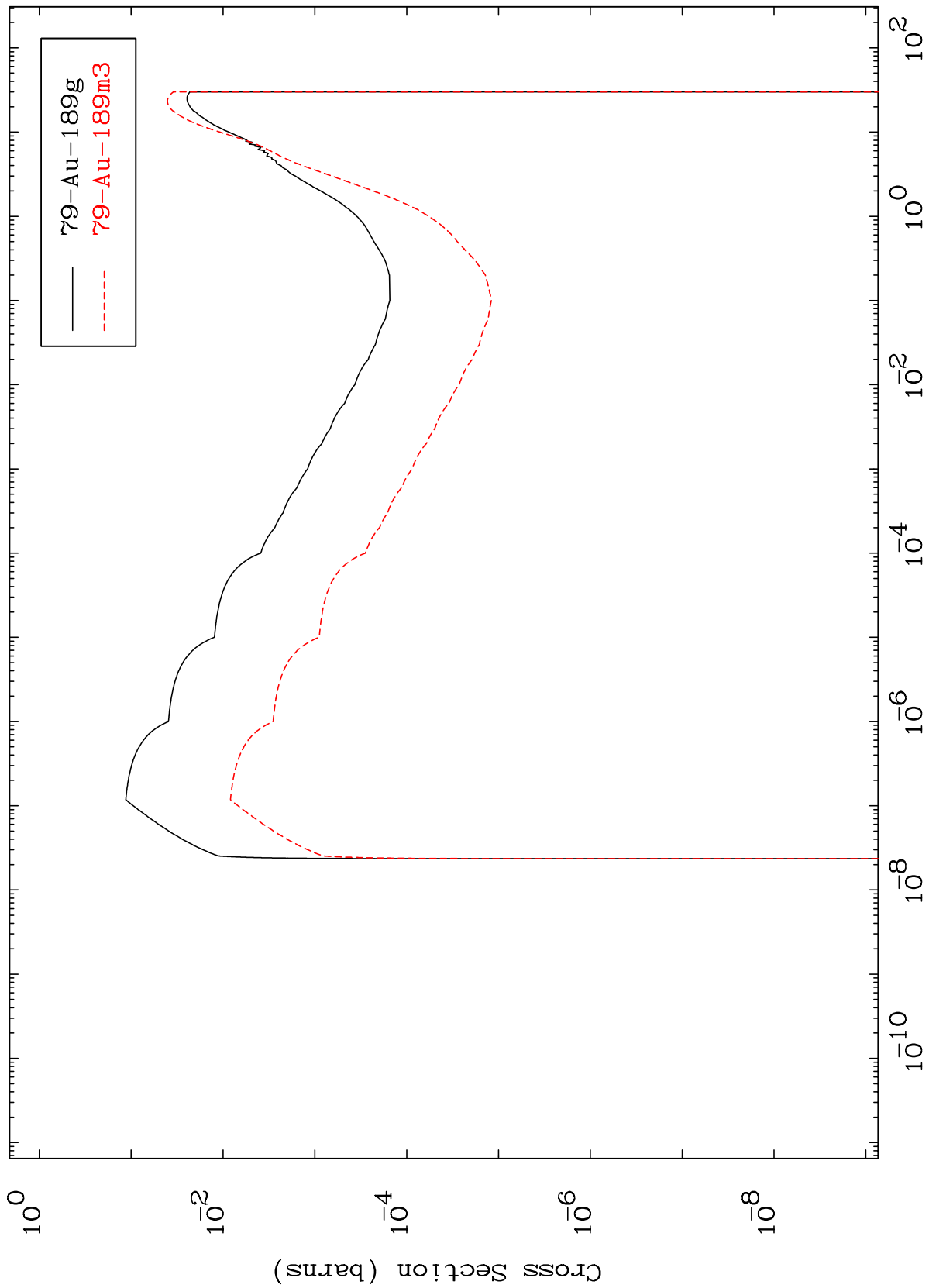
Incident Energy (MeV)

80-Hg-189

MAT 8004

80-Hg-189

(n,p)
Radionuclide Production Cross Section



— 79-Au-189g
- - - 79-Au-189m3

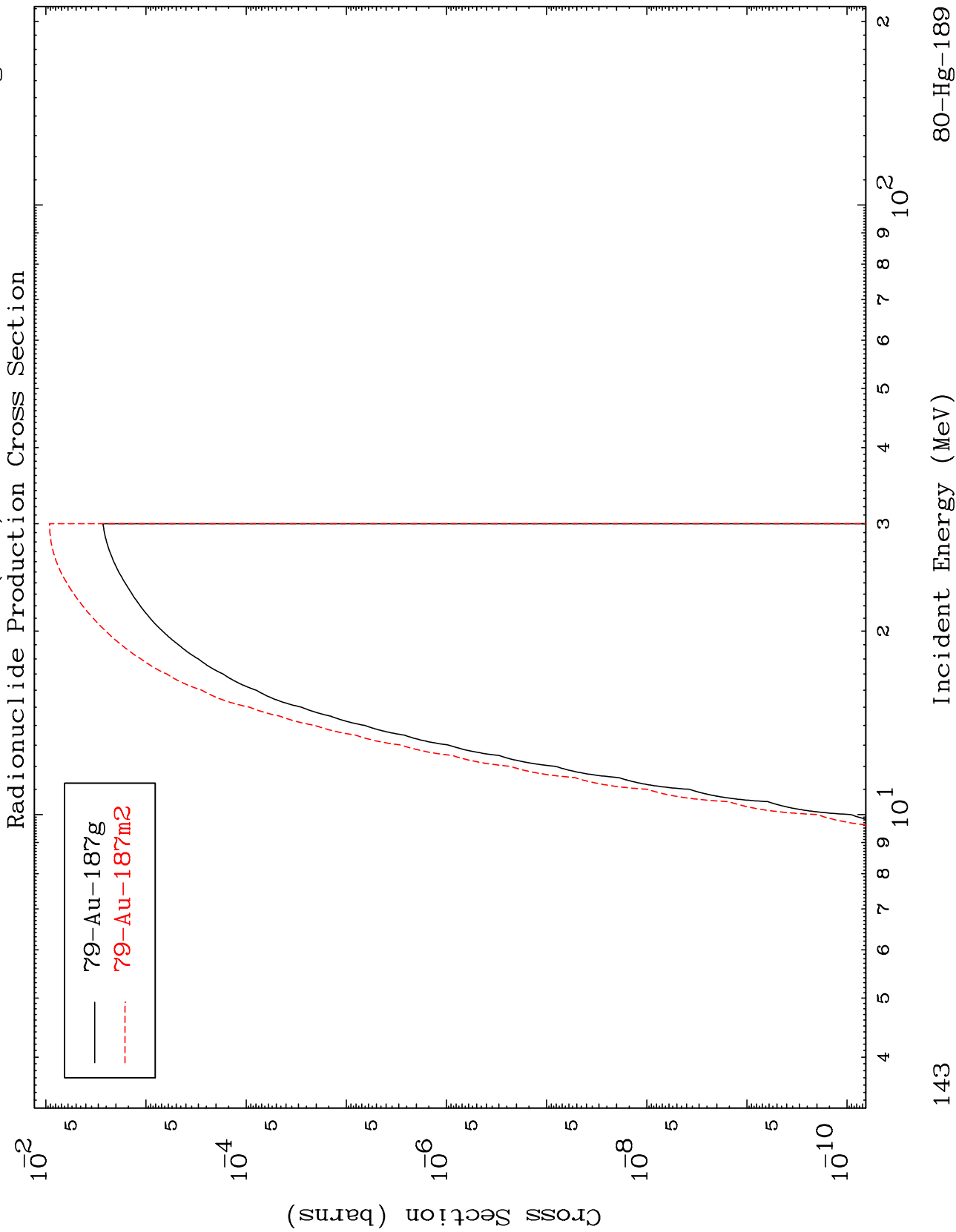
80-Hg-189

Incident Energy (MeV)

142

MAT 8004

80-Hg-189



143

80-Hg-189