

Program EVALPLOT
(Version 2018-1)

by

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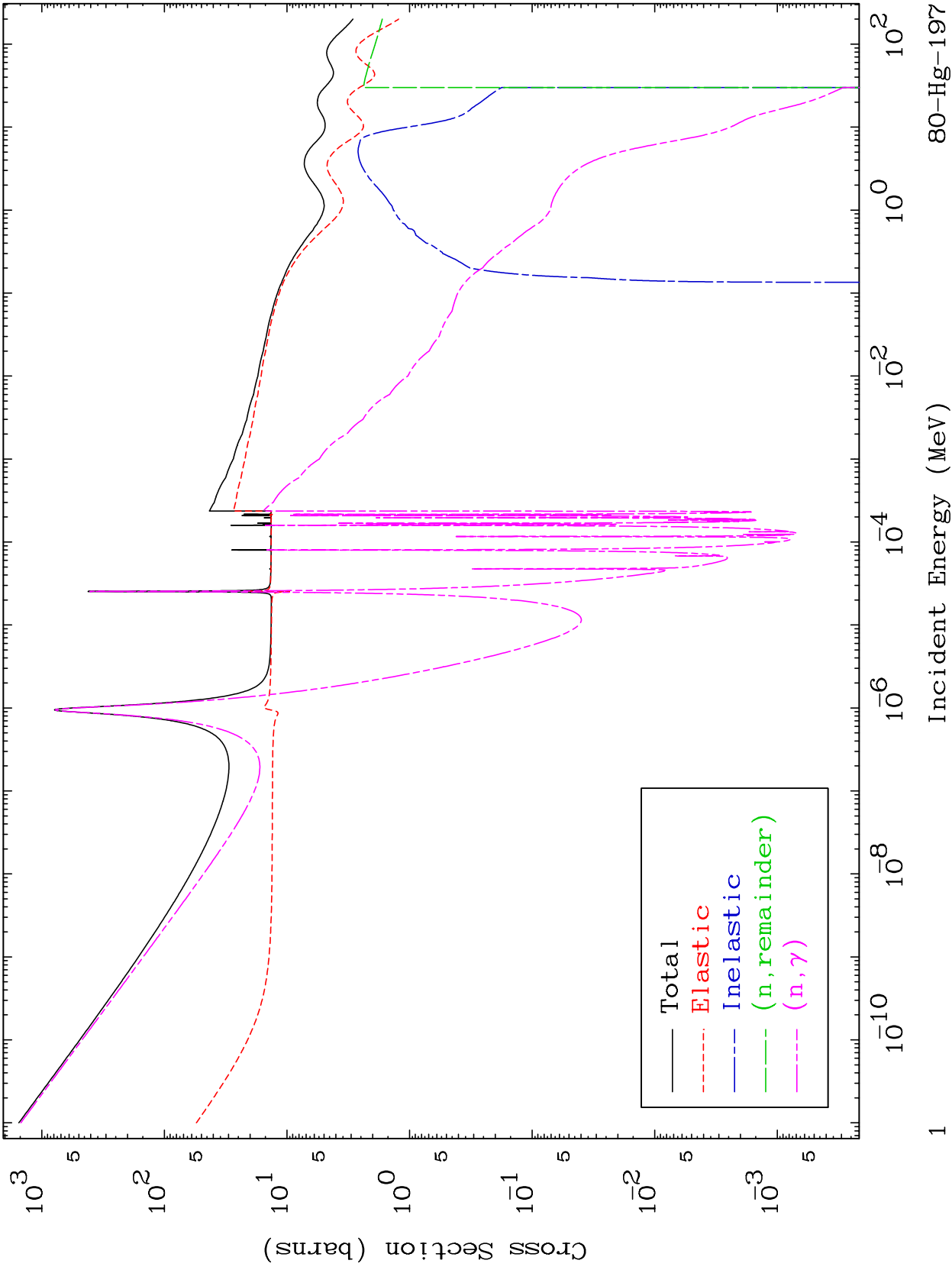
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8028

Major
293 Kelvin Cross Sections

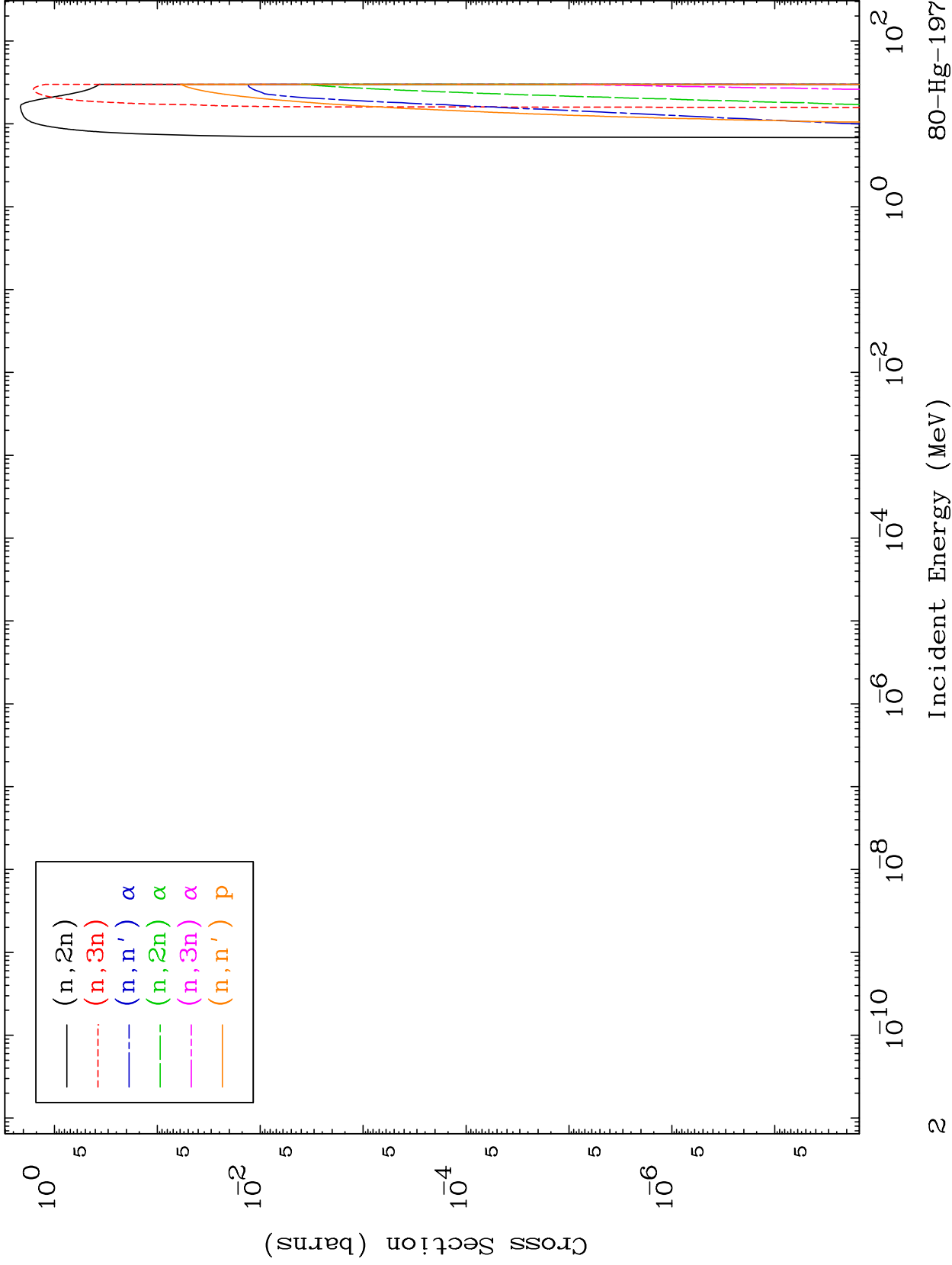
80-Hg-197

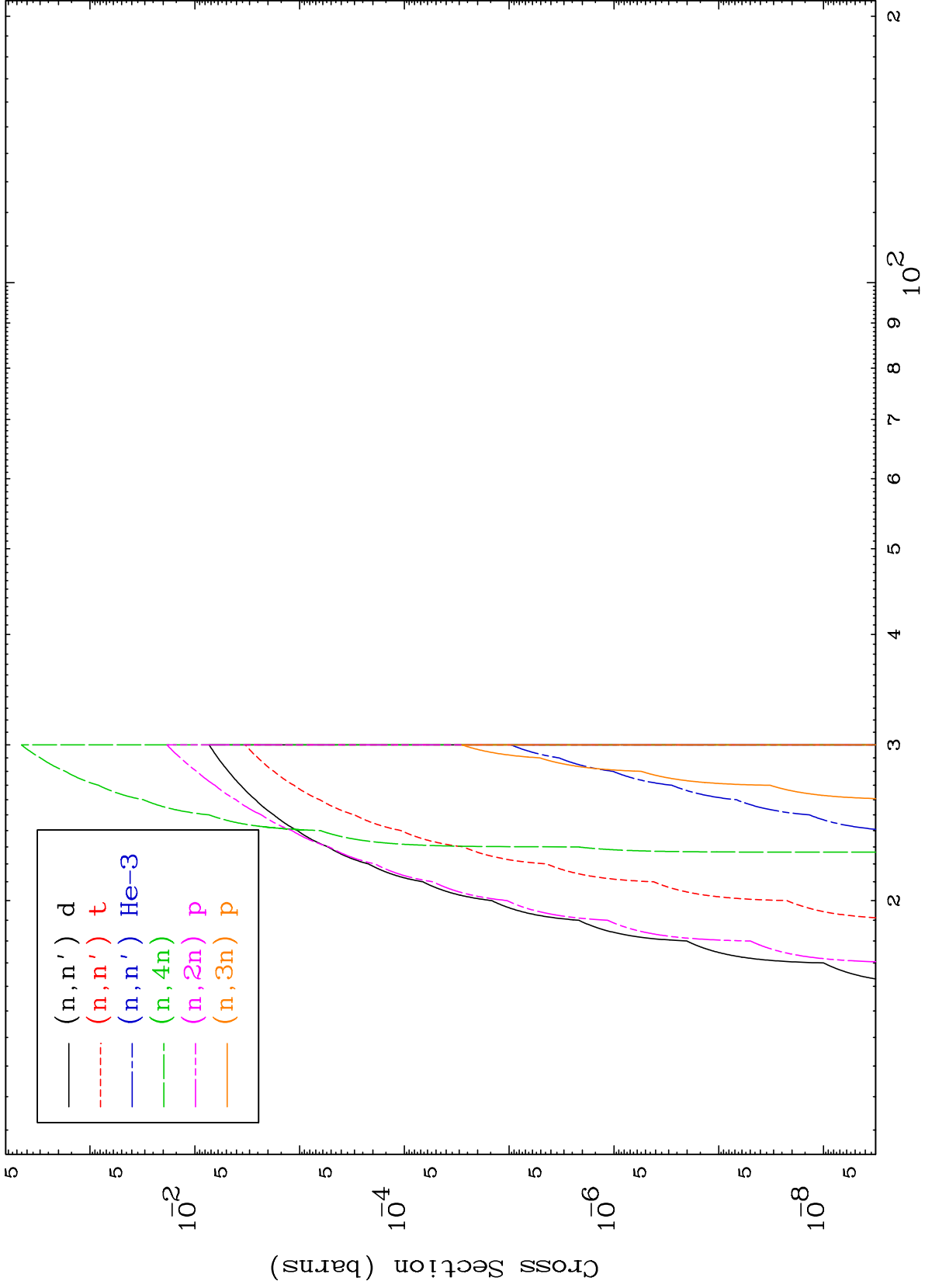


MAT 8028

Neutron Production
293 Kelvin Cross Sections

80-Hg-197

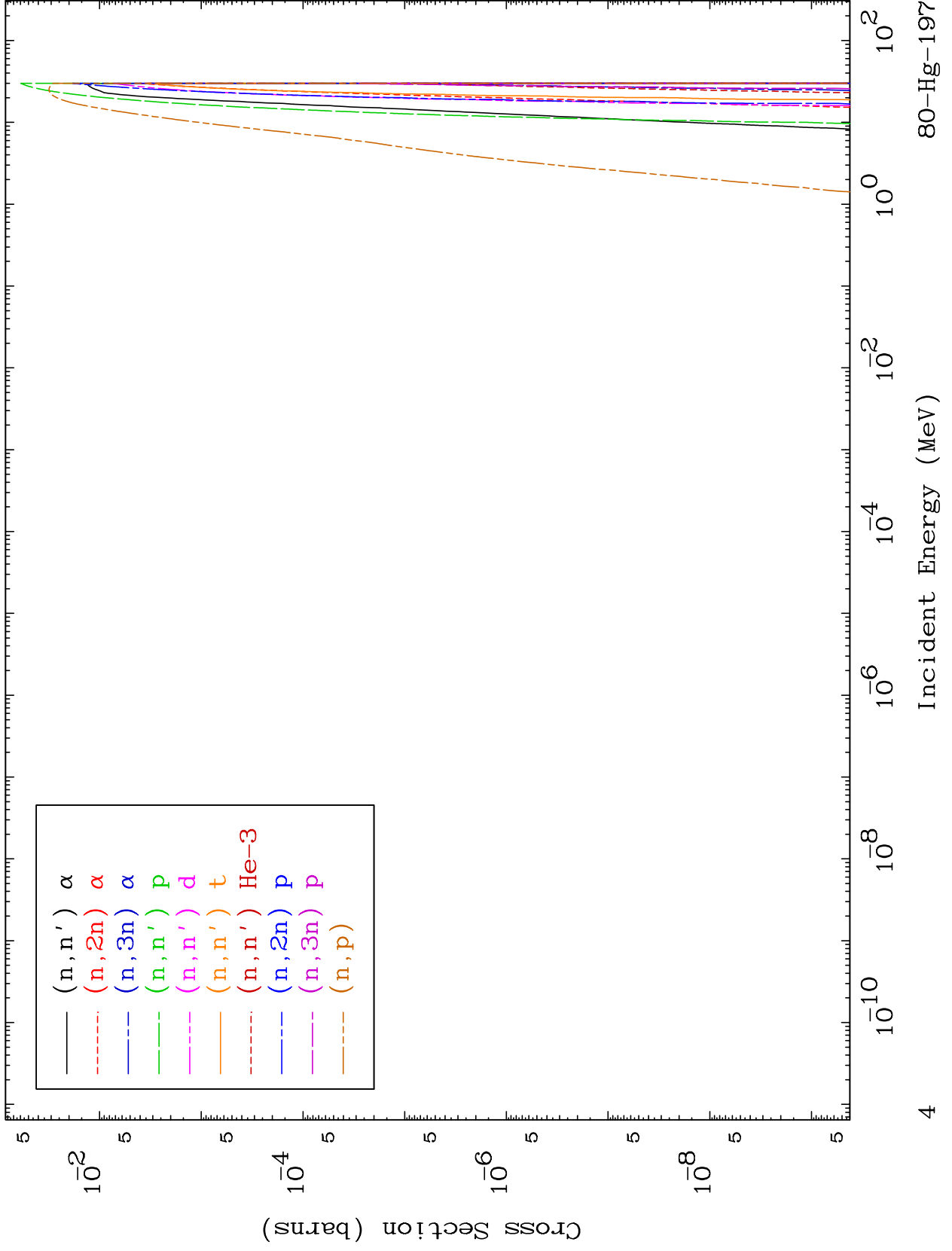




MAT 8028

Charged Particle
293 Kelvin Cross Sections

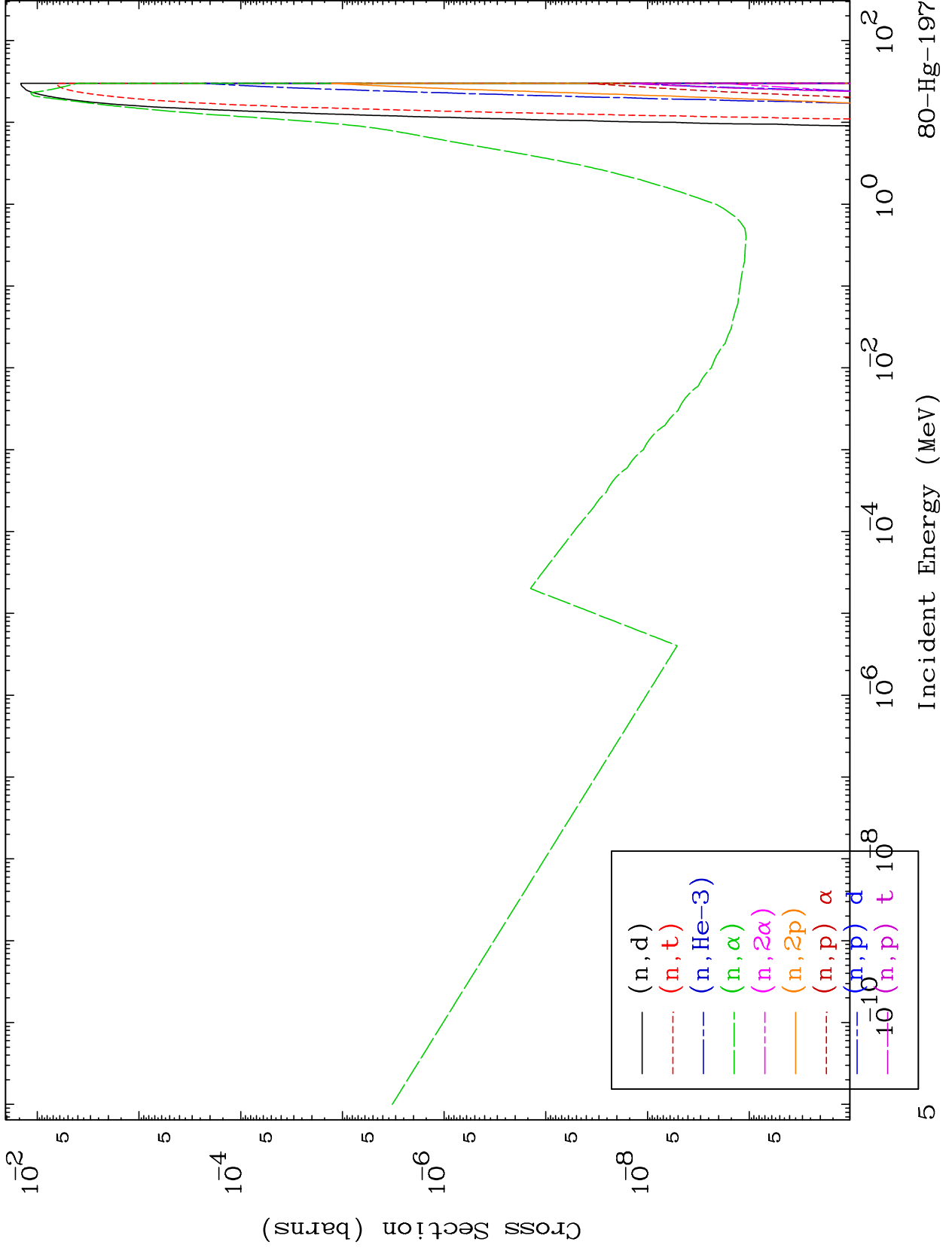
80-Hg-197



MAT 8028

Charged Particle
293 Kelvin Cross Sections

80-Hg-197



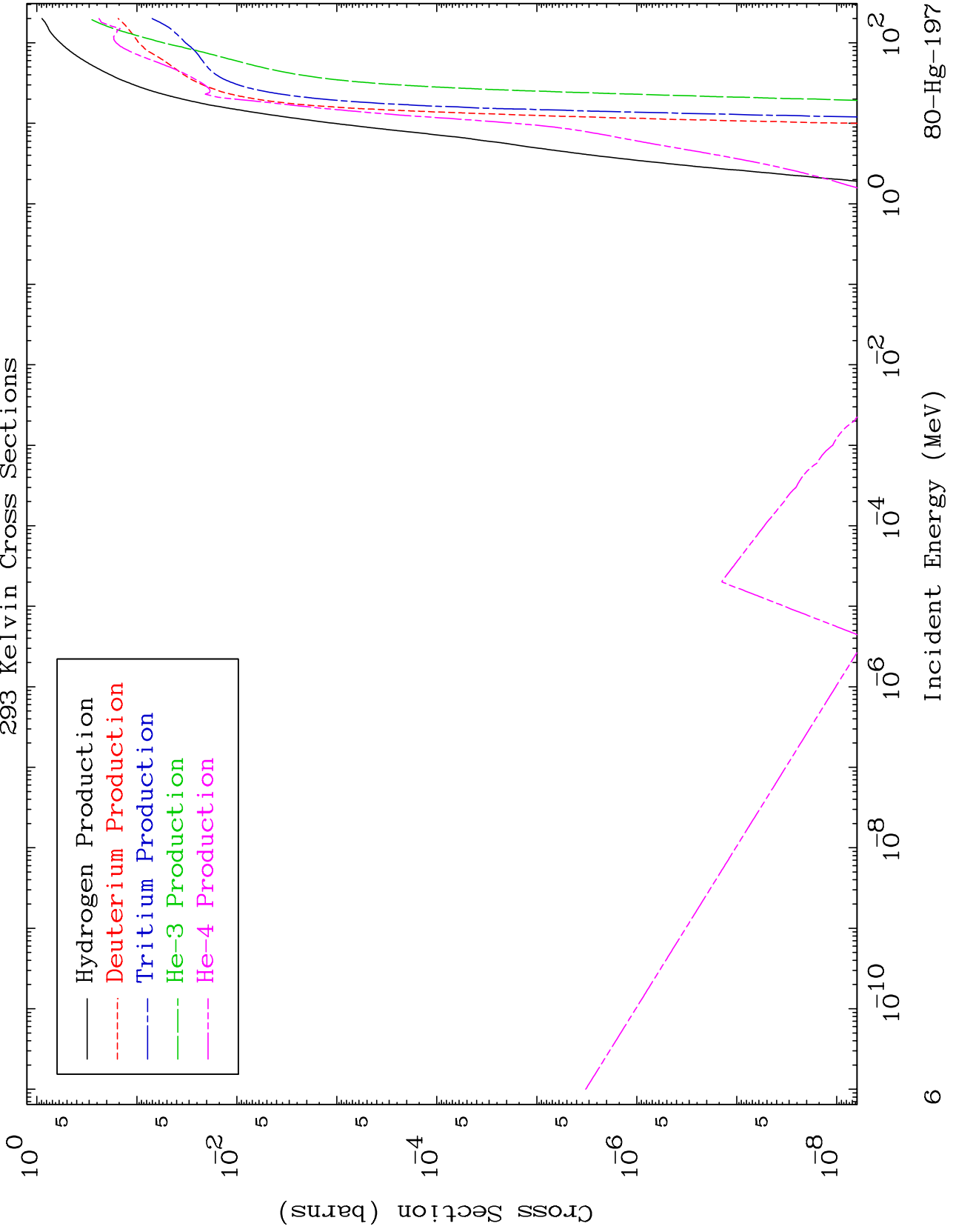
80-Hg-197

Incident Energy (MeV)

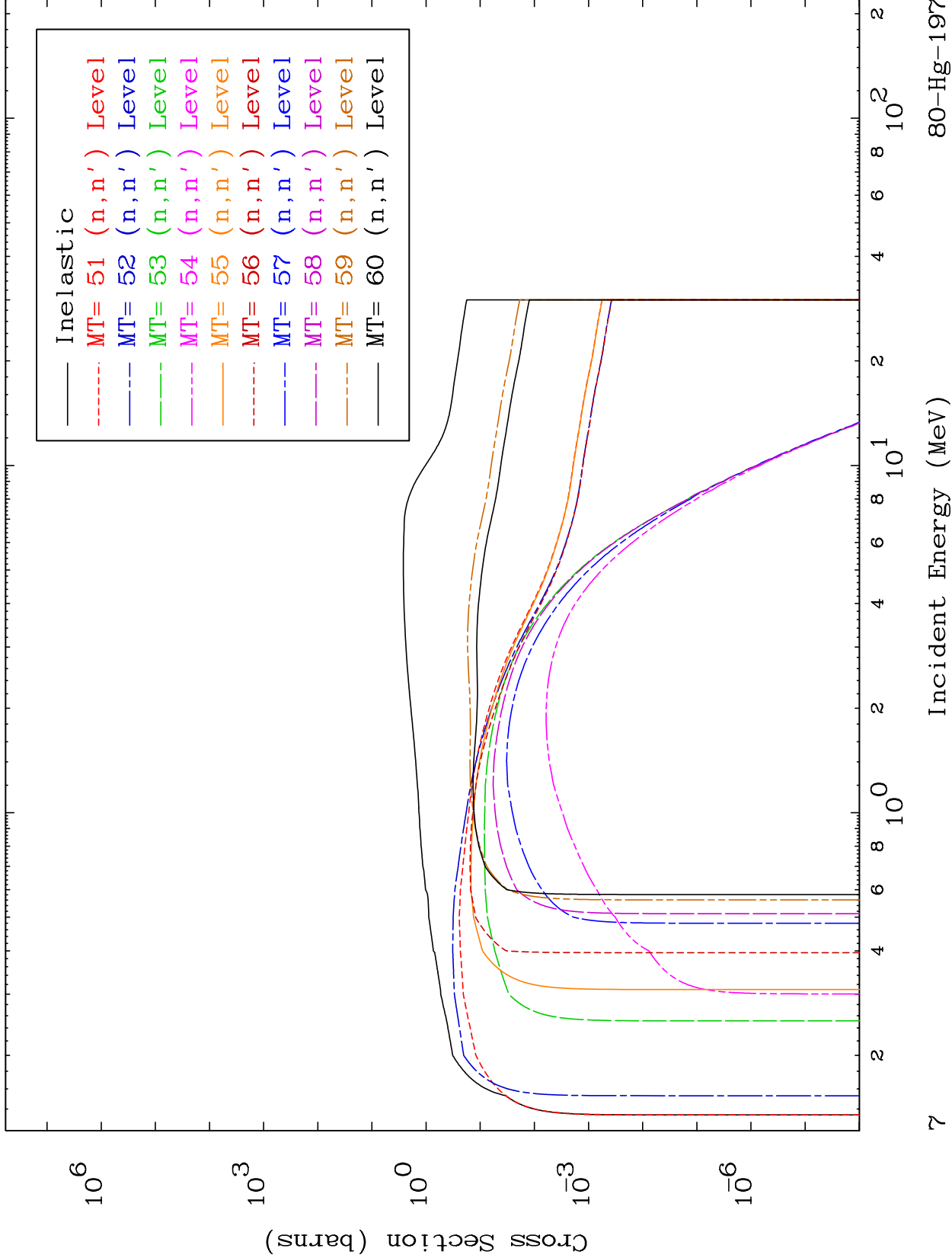
MAT 8028

Particle Production
293 Kelvin Cross Sections

80-Hg-197



293 Kelvin Cross Sections

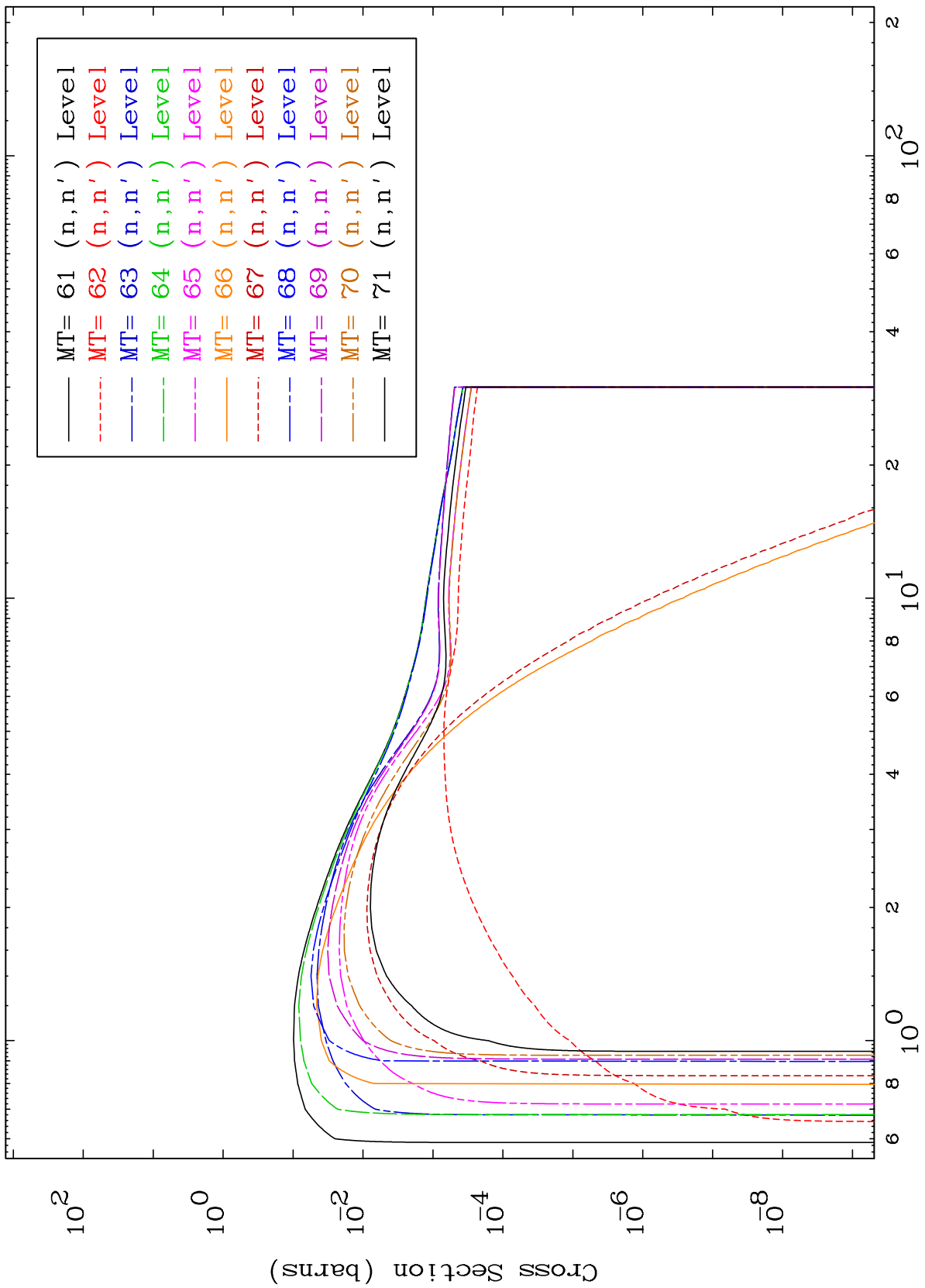


MAT 8028

(n,n') Level

80-Hg-197

293 Kelvin Cross Sections



8

Incident Energy (MeV)

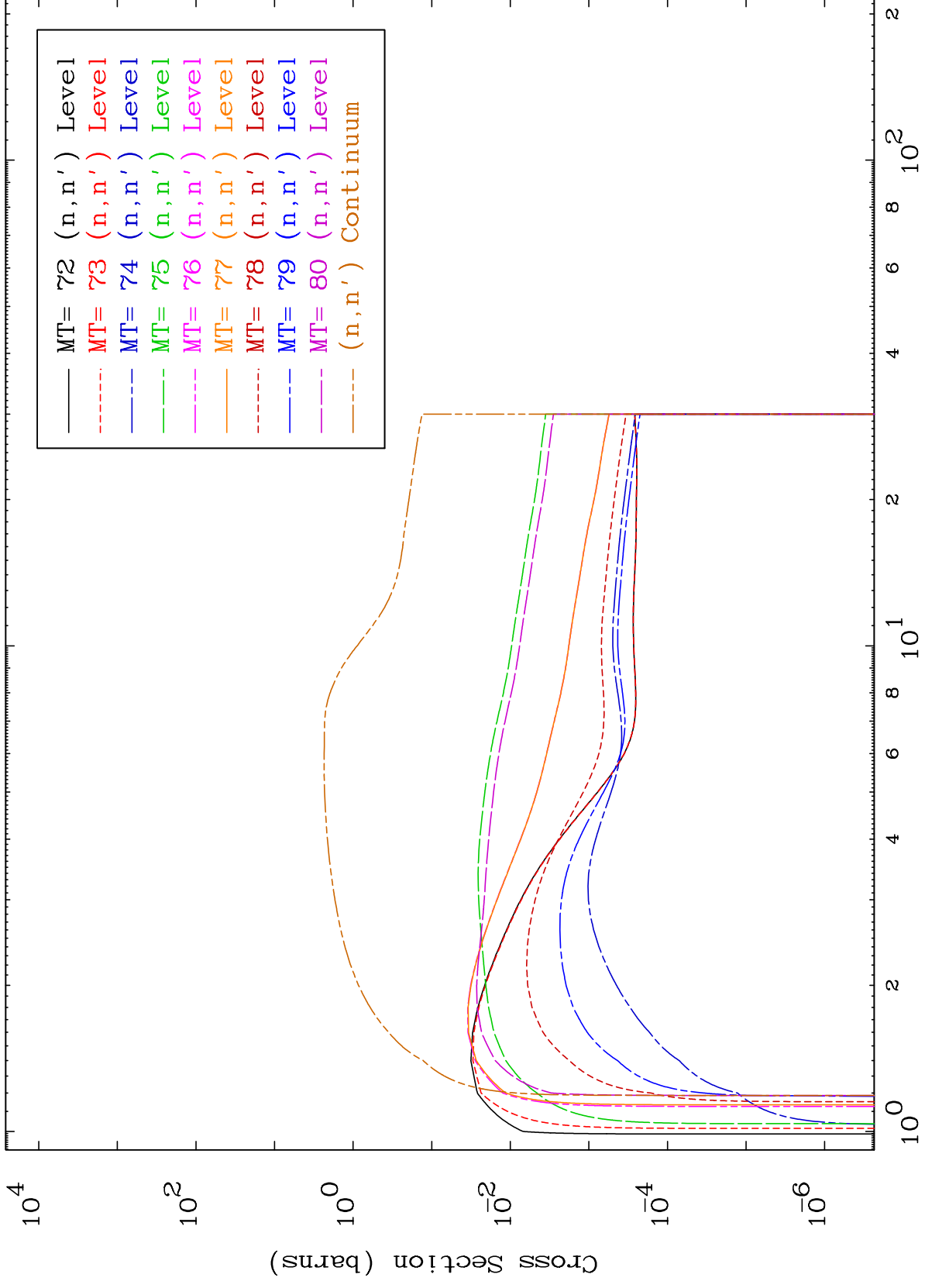
80-Hg-197

MAT 8028

(n,n') Level

80-Hg-197

293 Kelvin Cross Sections



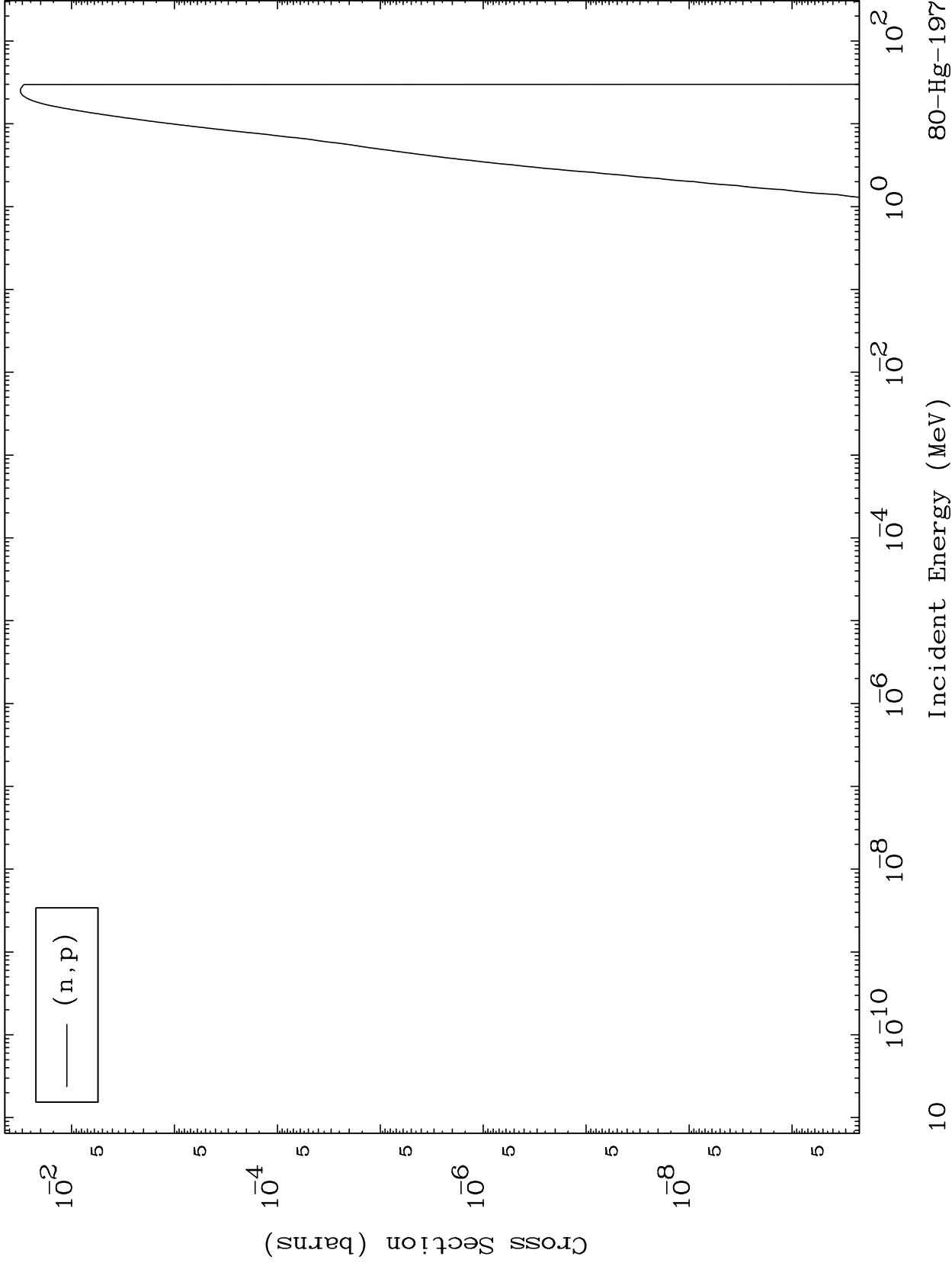
Incident Energy (MeV)

80-Hg-197

MAT 8028

(n,p) Levels
293 Kelvin Cross Sections

80-Hg-197



(n,p)

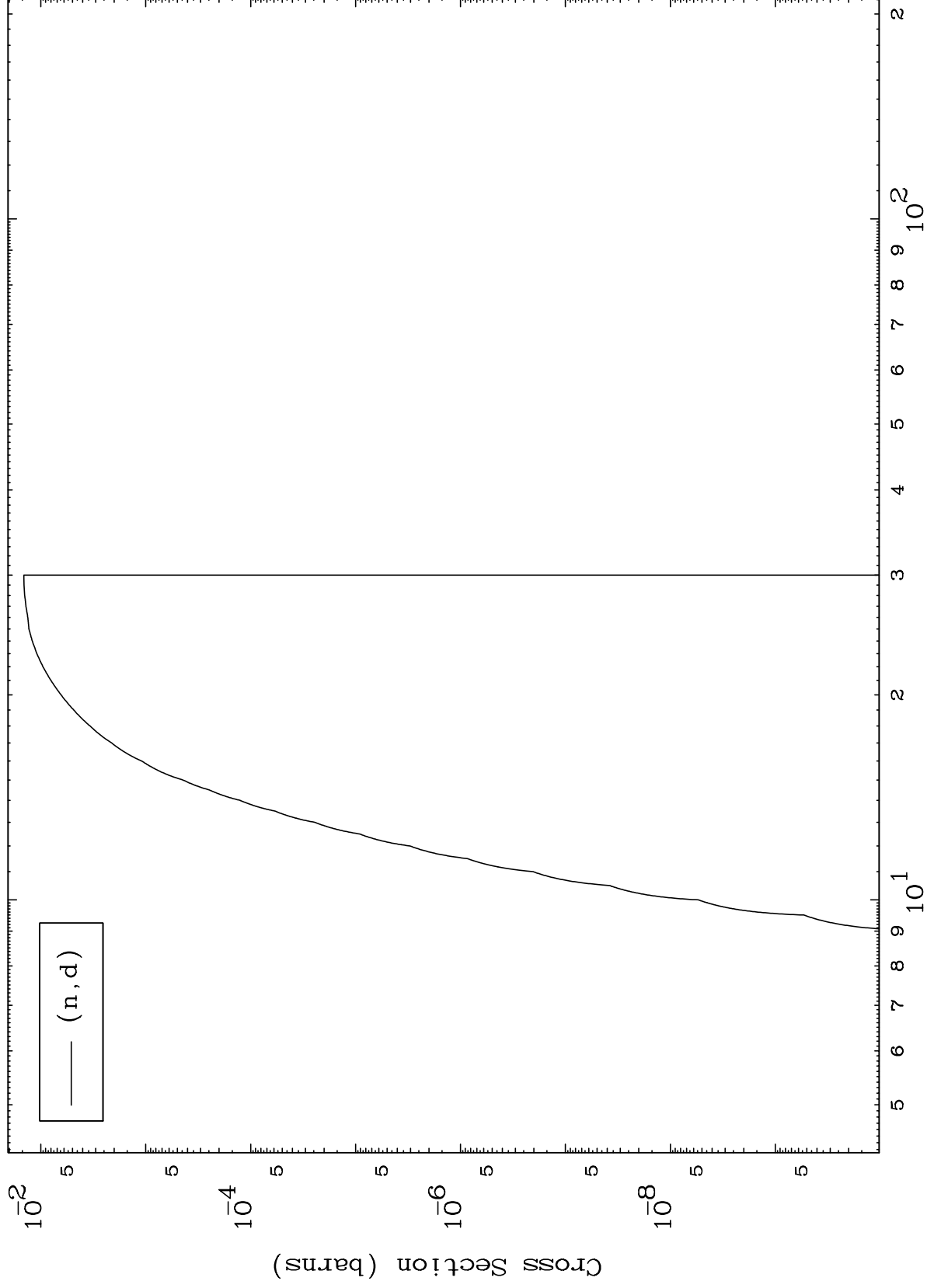
10

80-Hg-197

MAT 8028

(n,d) Levels
293 Kelvin Cross Sections

80-Hg-197



11

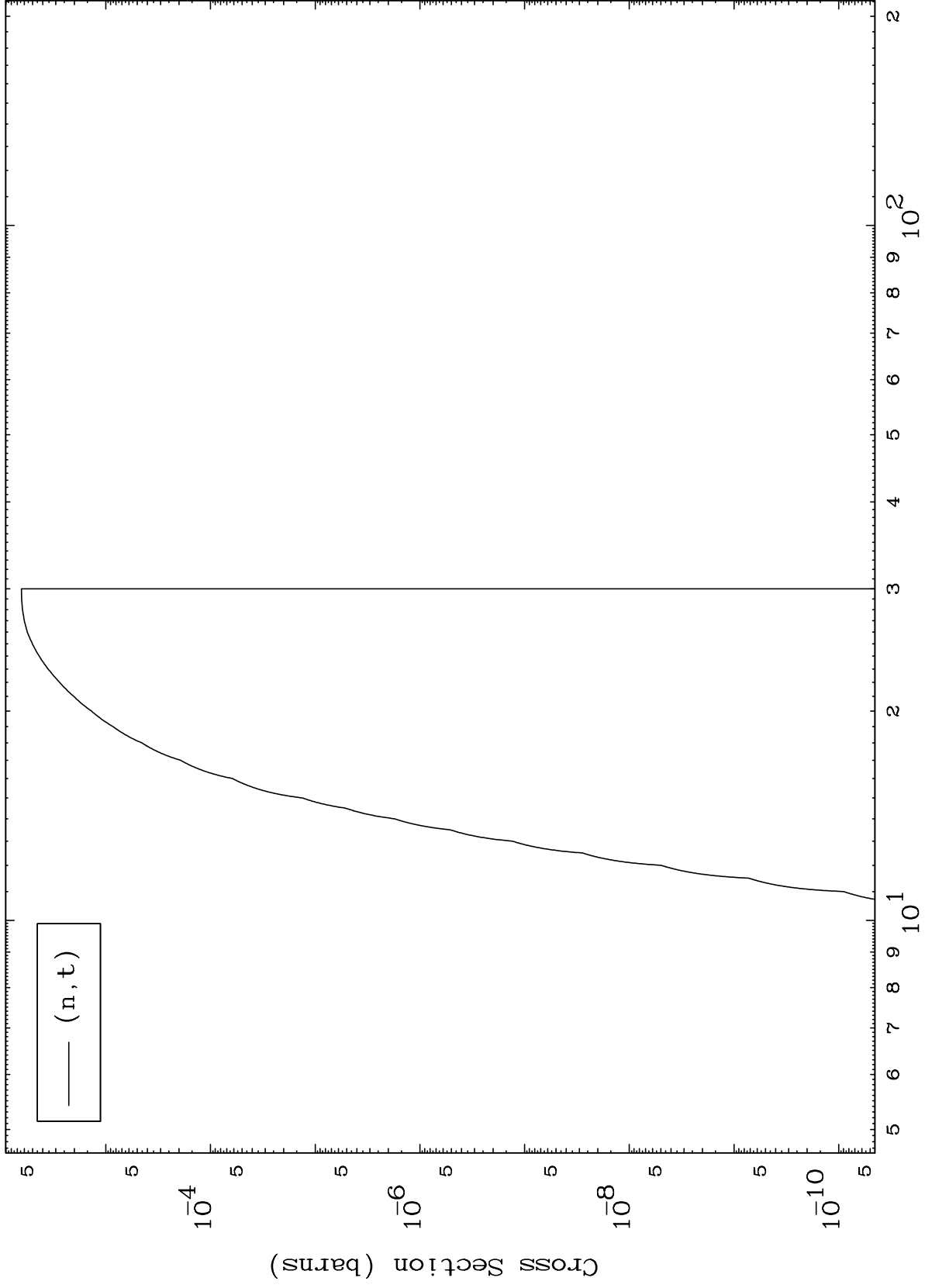
Incident Energy (MeV)

80-Hg-197

MAT 8028

(n,t) Levels
293 Kelvin Cross Sections

80-Hg-197



12

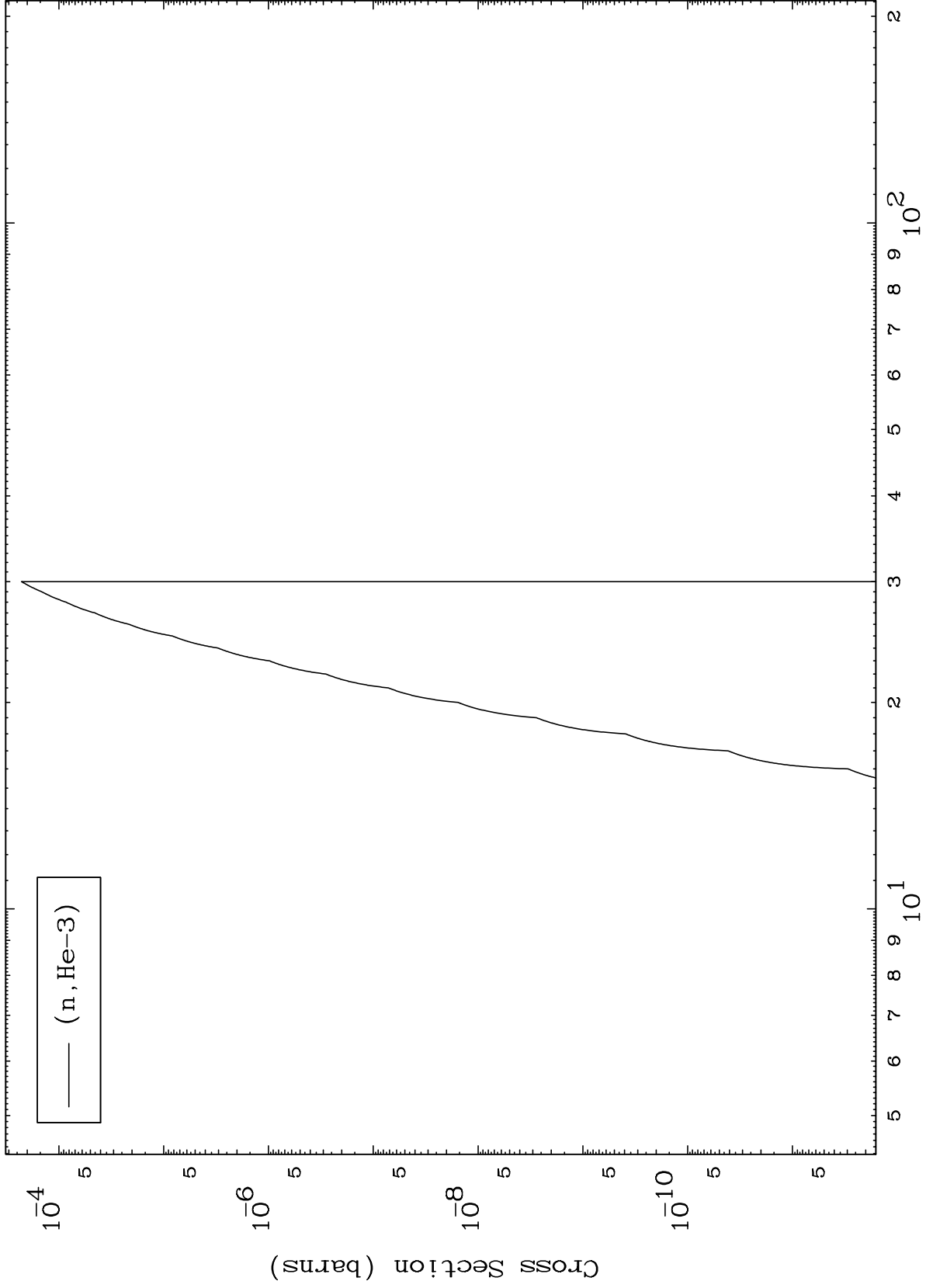
Incident Energy (MeV)

80-Hg-197

MAT 8028

(n,He3) Levels
293 Kelvin Cross Sections

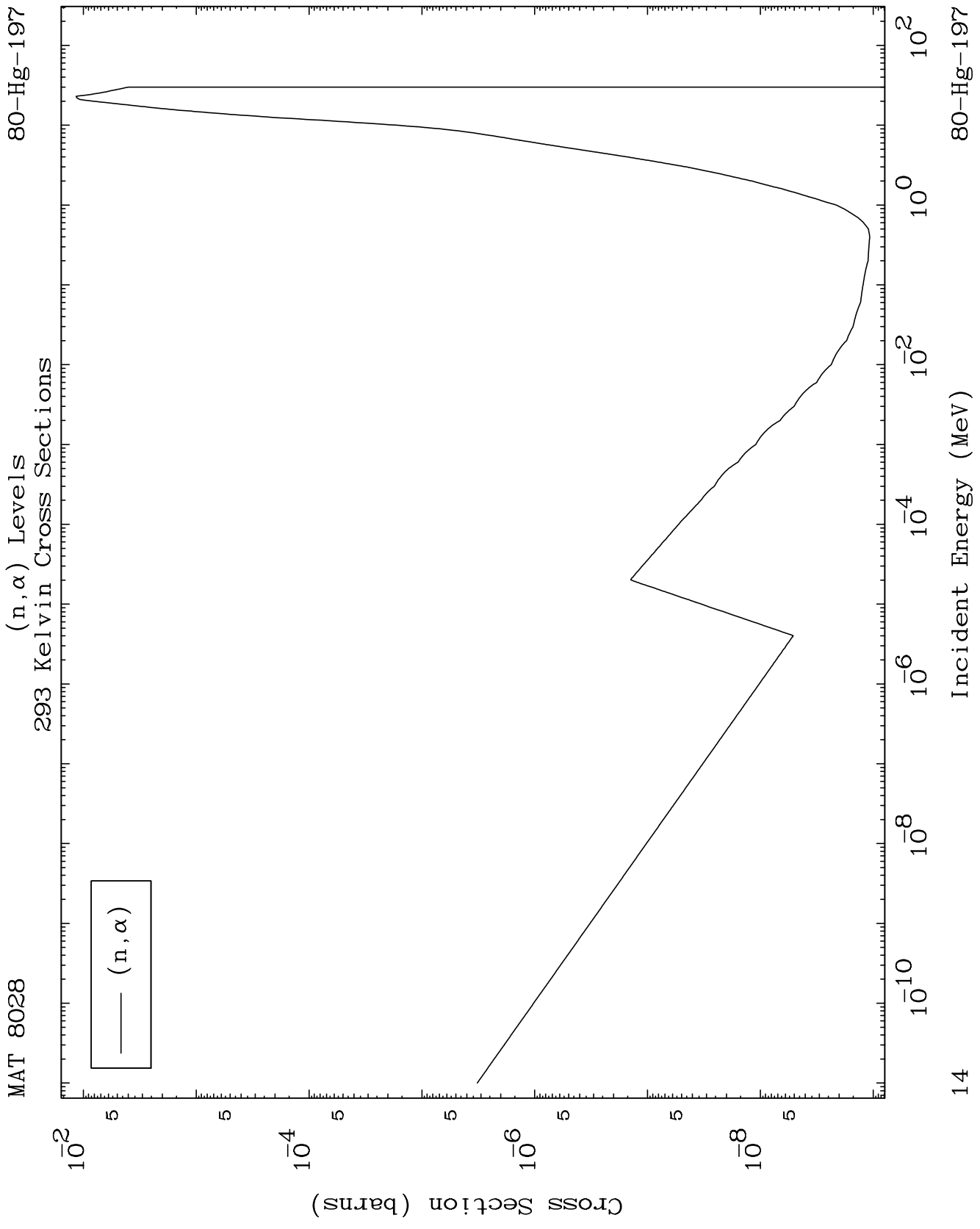
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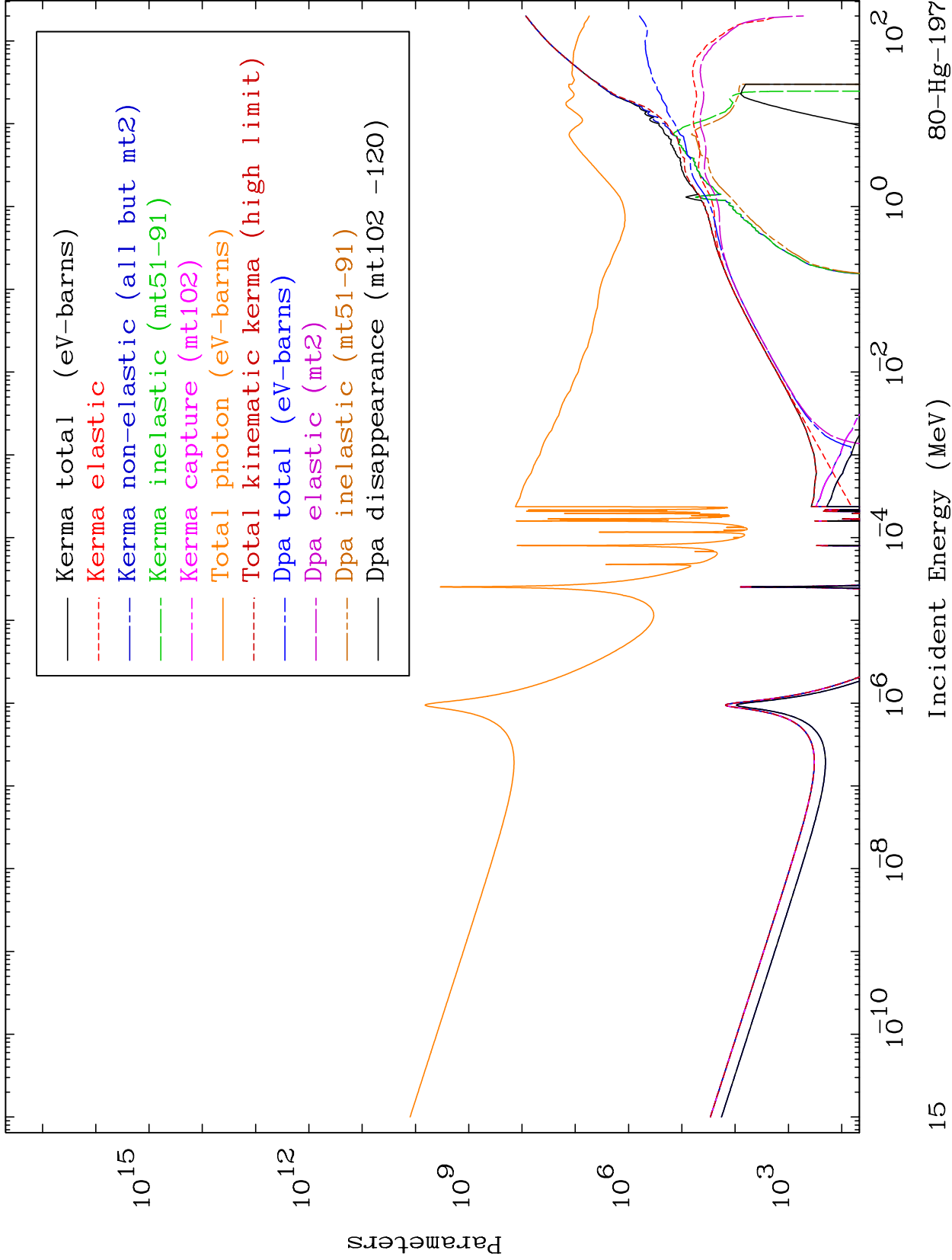


13

Incident Energy (MeV)

80-Hg-197

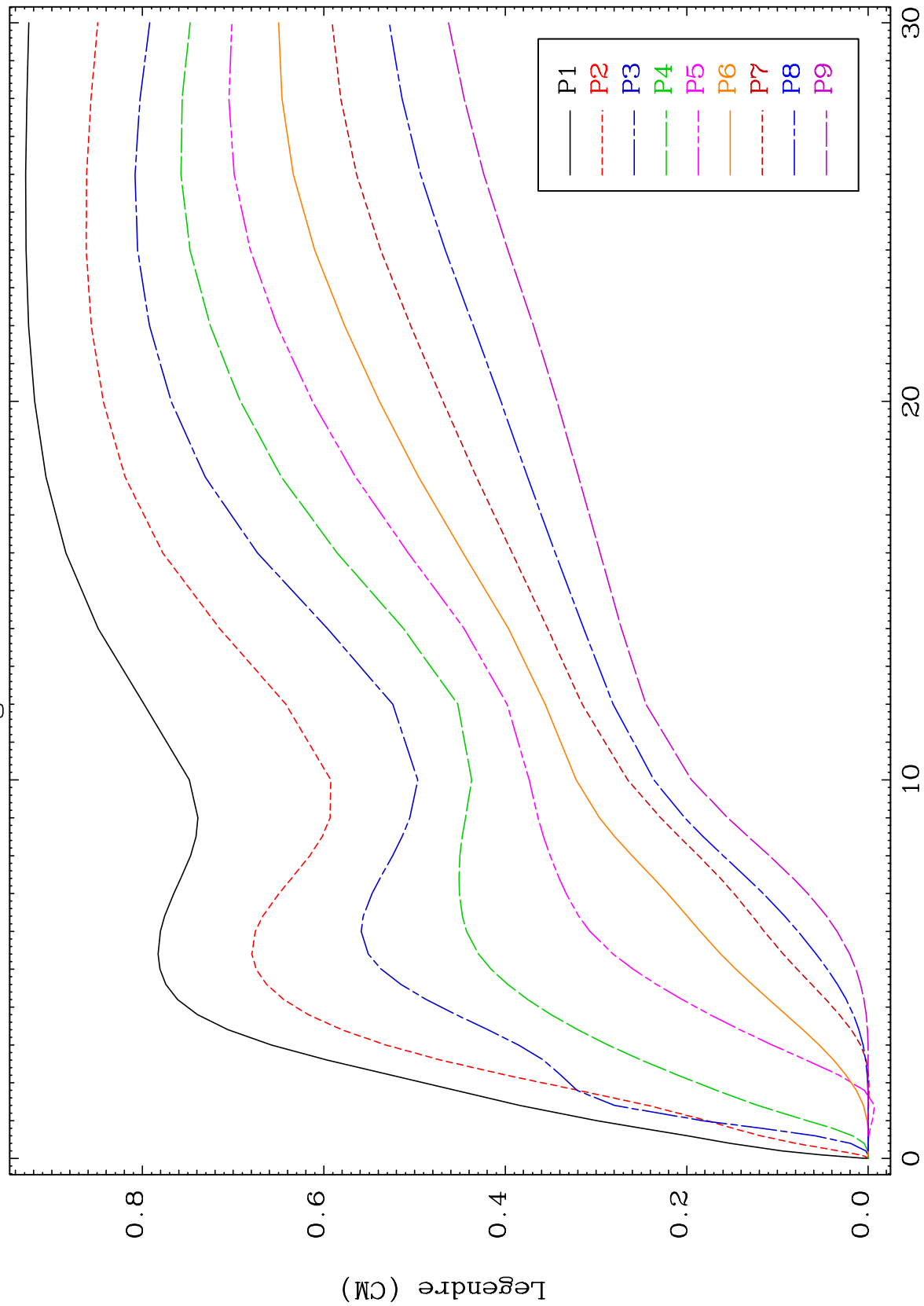




MAT 8028

Elastic Legendre Coefficients

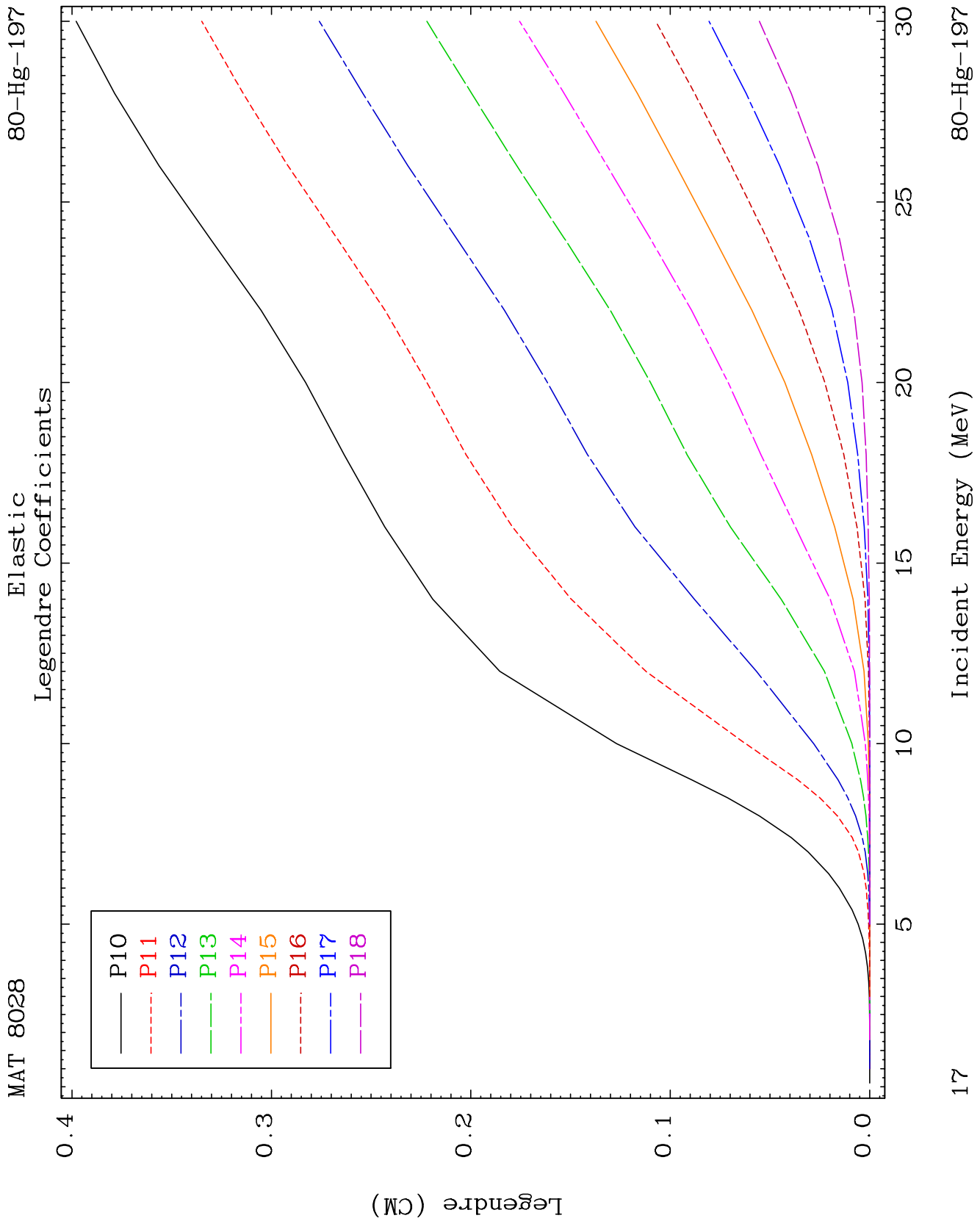
80-Hg-197



16

Incident Energy (MeV)

80-Hg-197



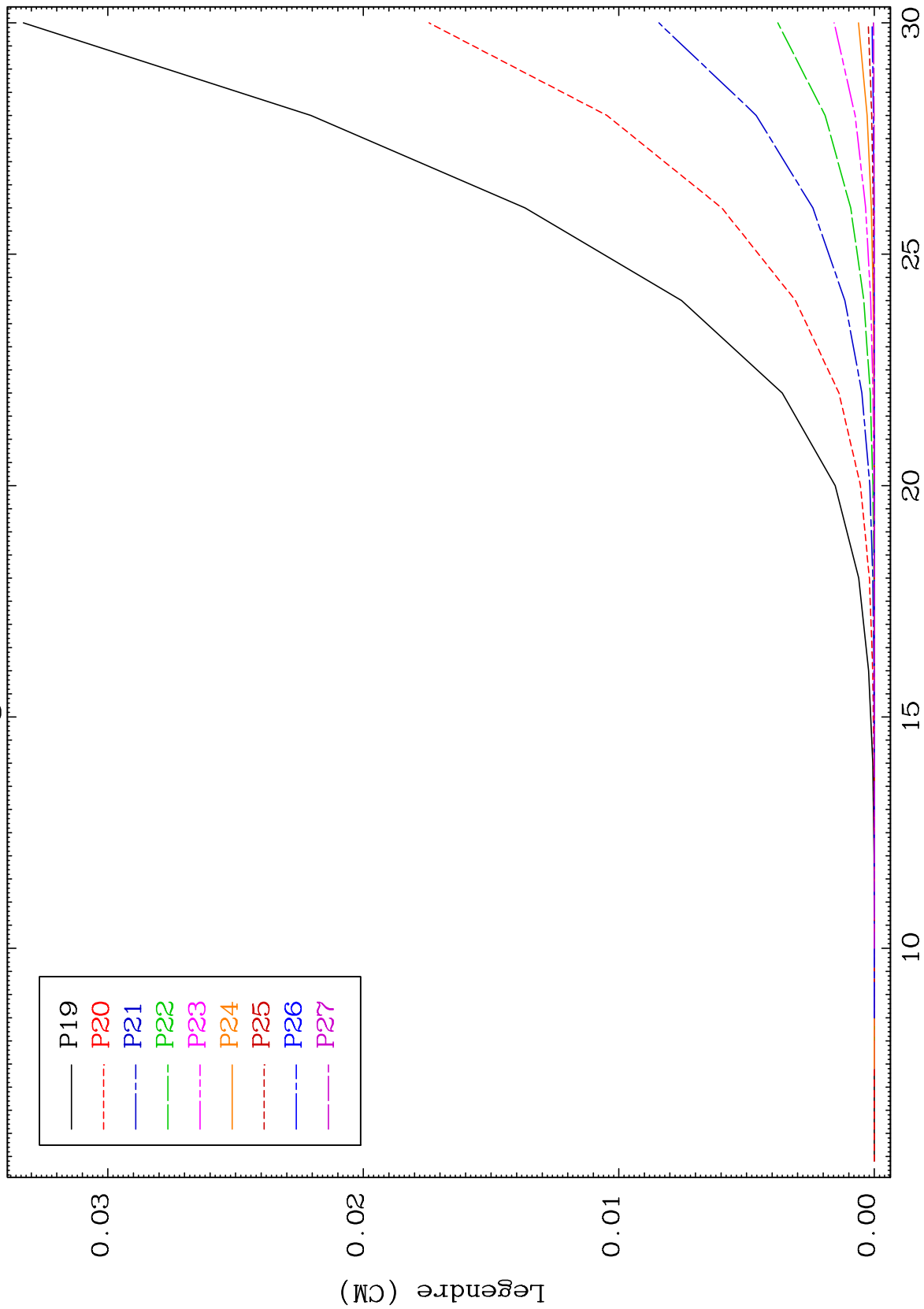
MAT 8028

17

MAT 8028

Elastic Legendre Coefficients

80-Hg-197



18

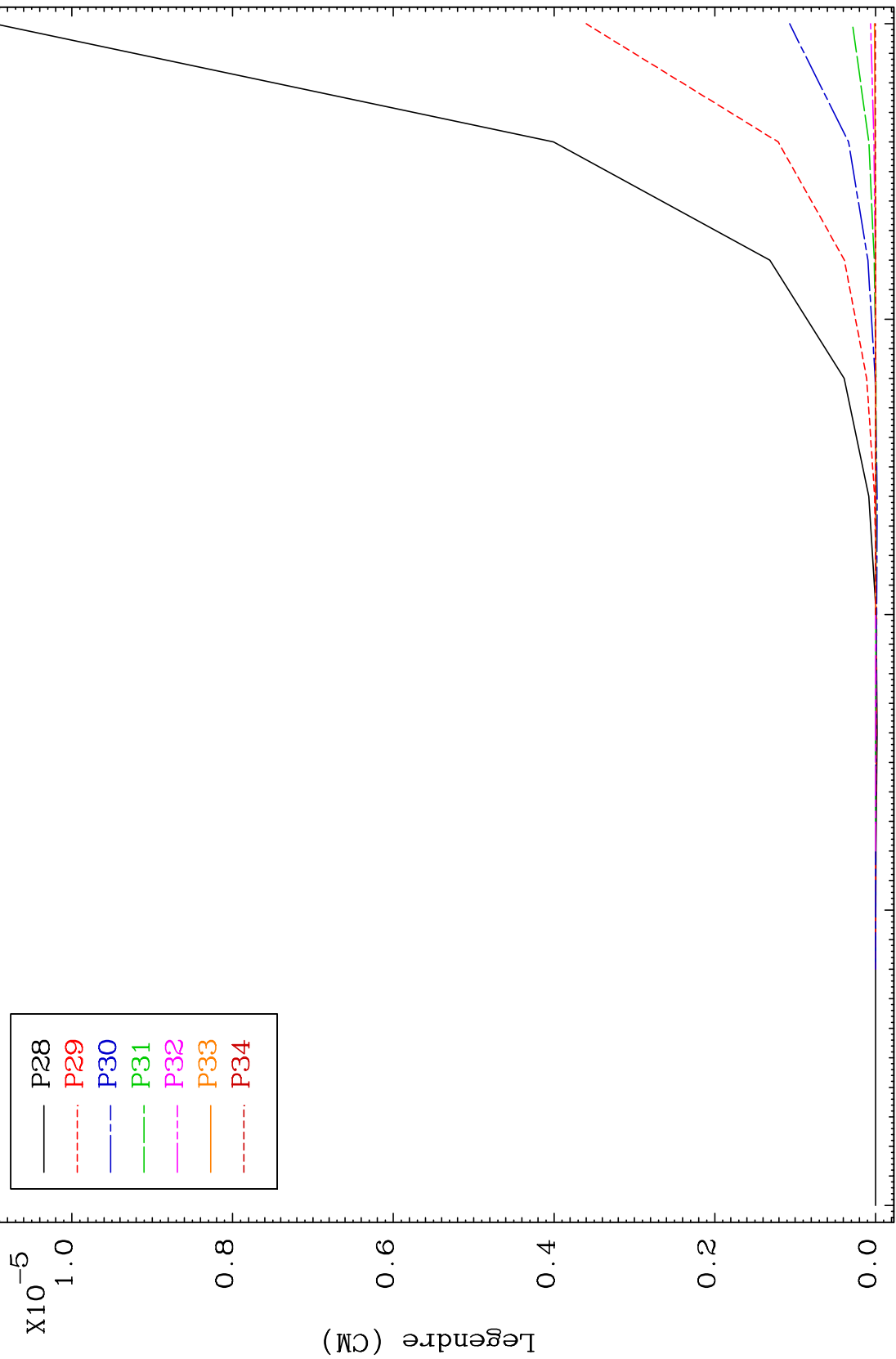
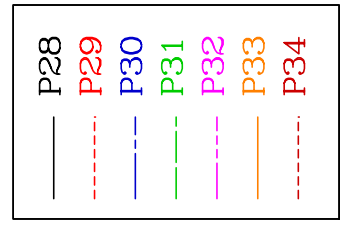
Incident Energy (MeV)

80-Hg-197

MAT 8028

Elastic Legendre Coefficients

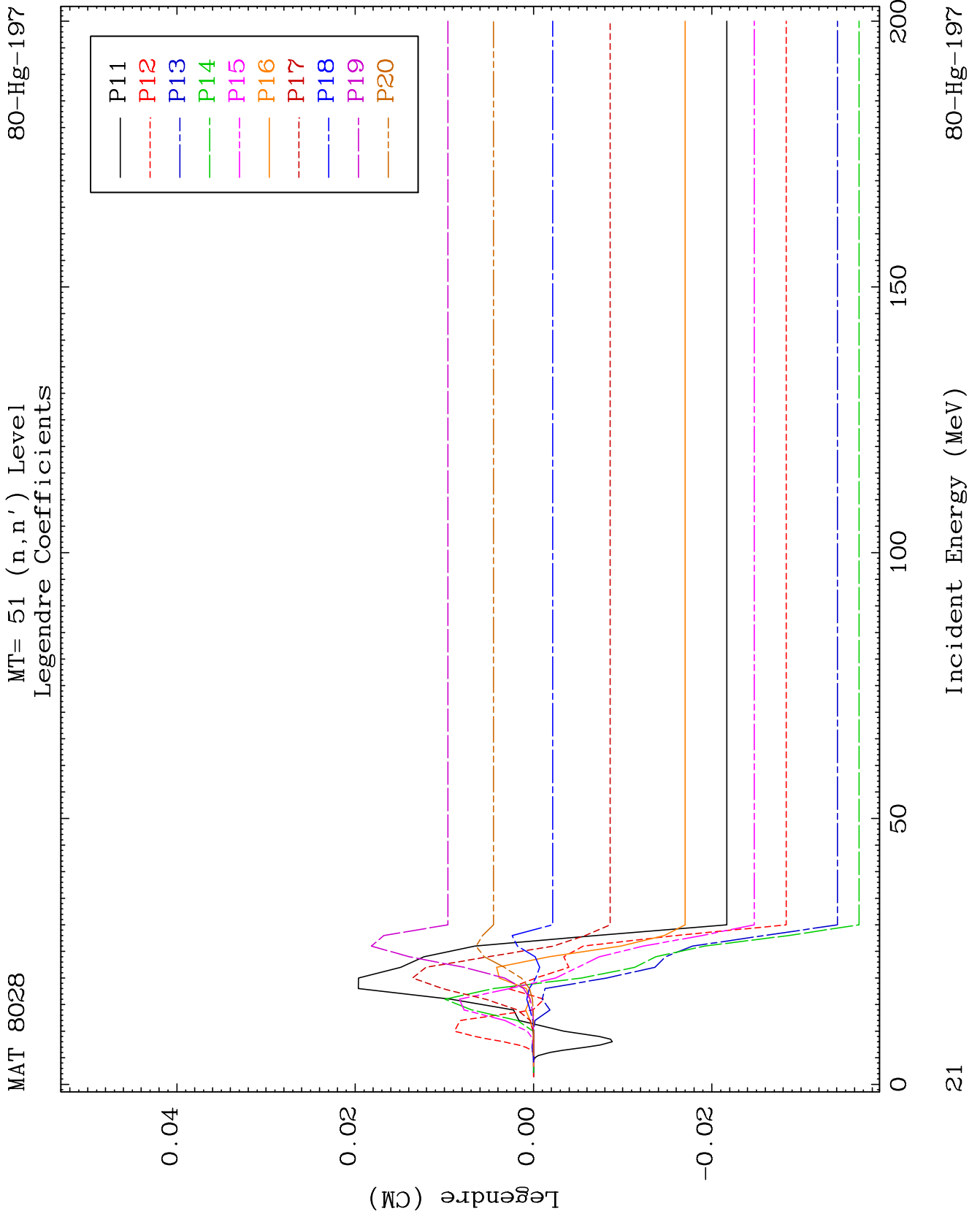
80-Hg-197



80-Hg-197

Incident Energy (MeV)

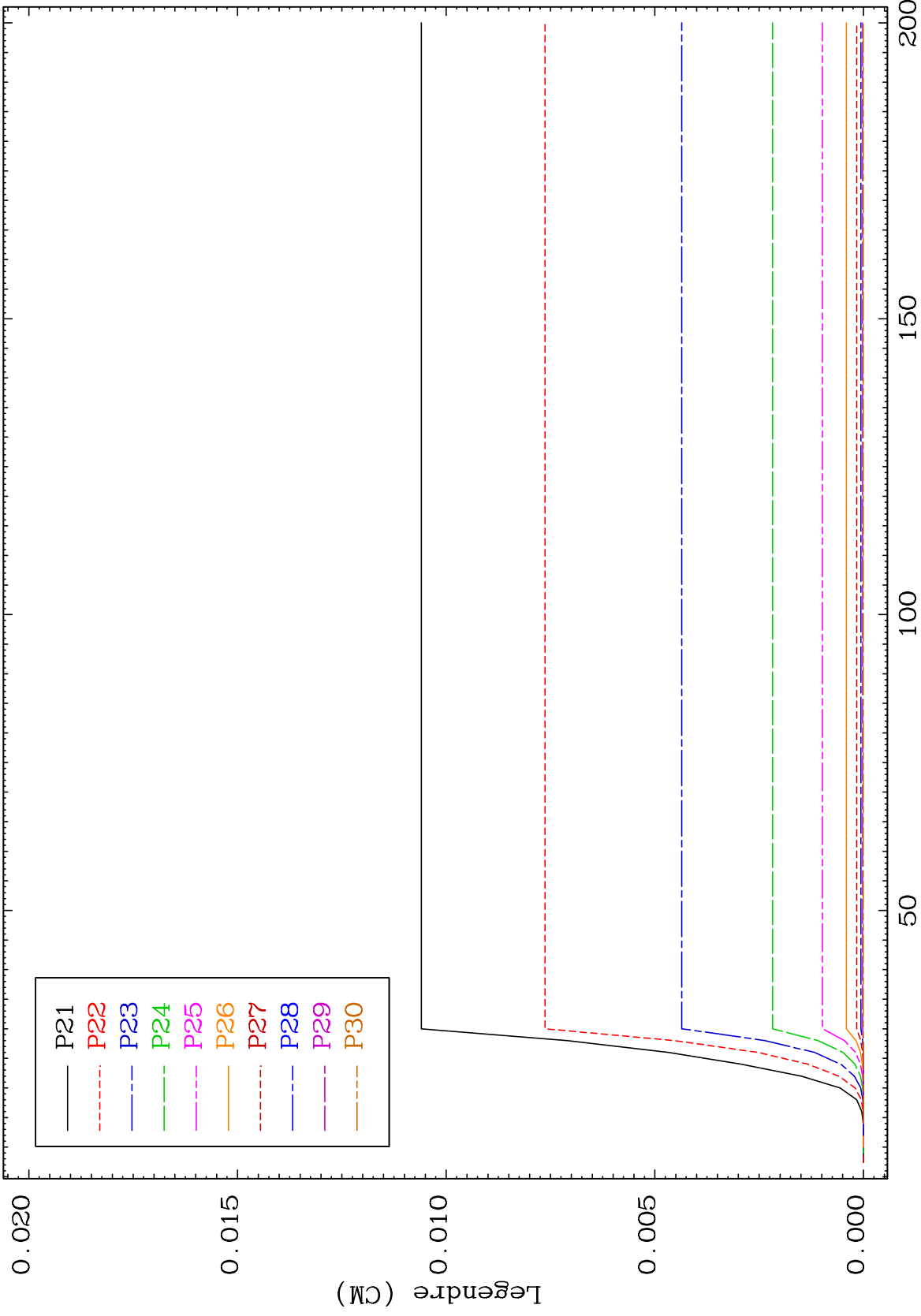
19



MAT 8028

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

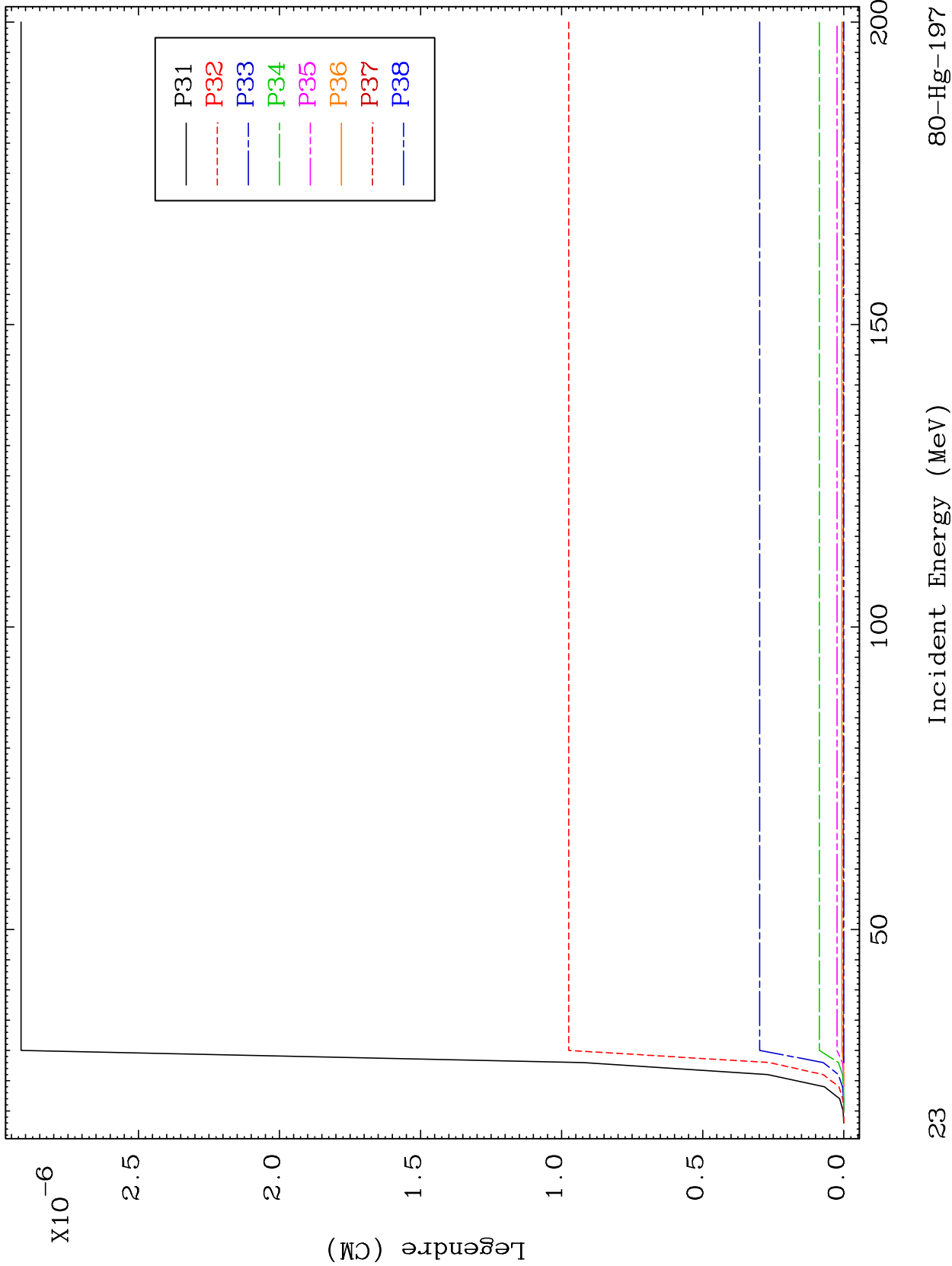
80-Hg-197



22

Incident Energy (MeV)

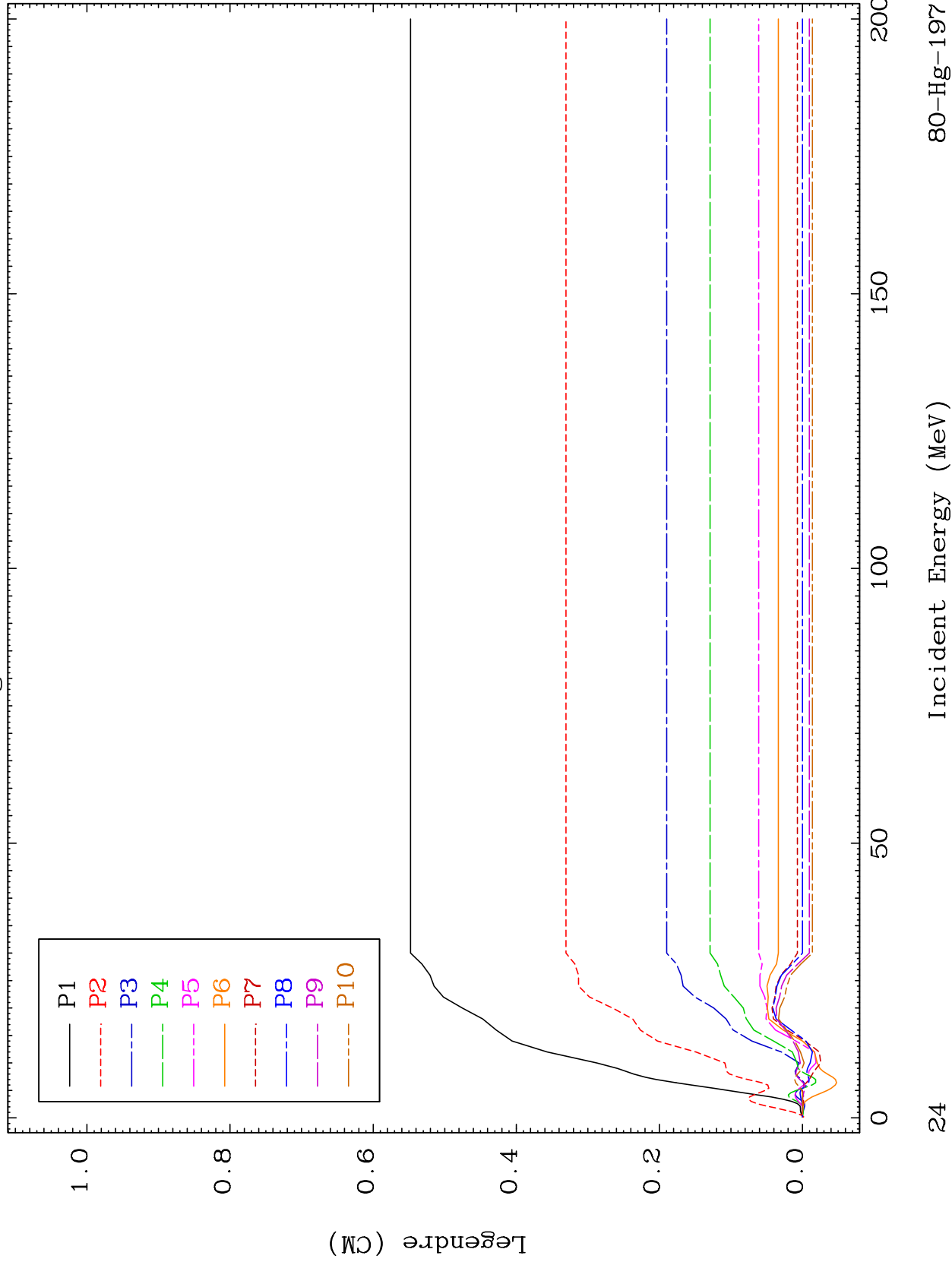
80-Hg-197



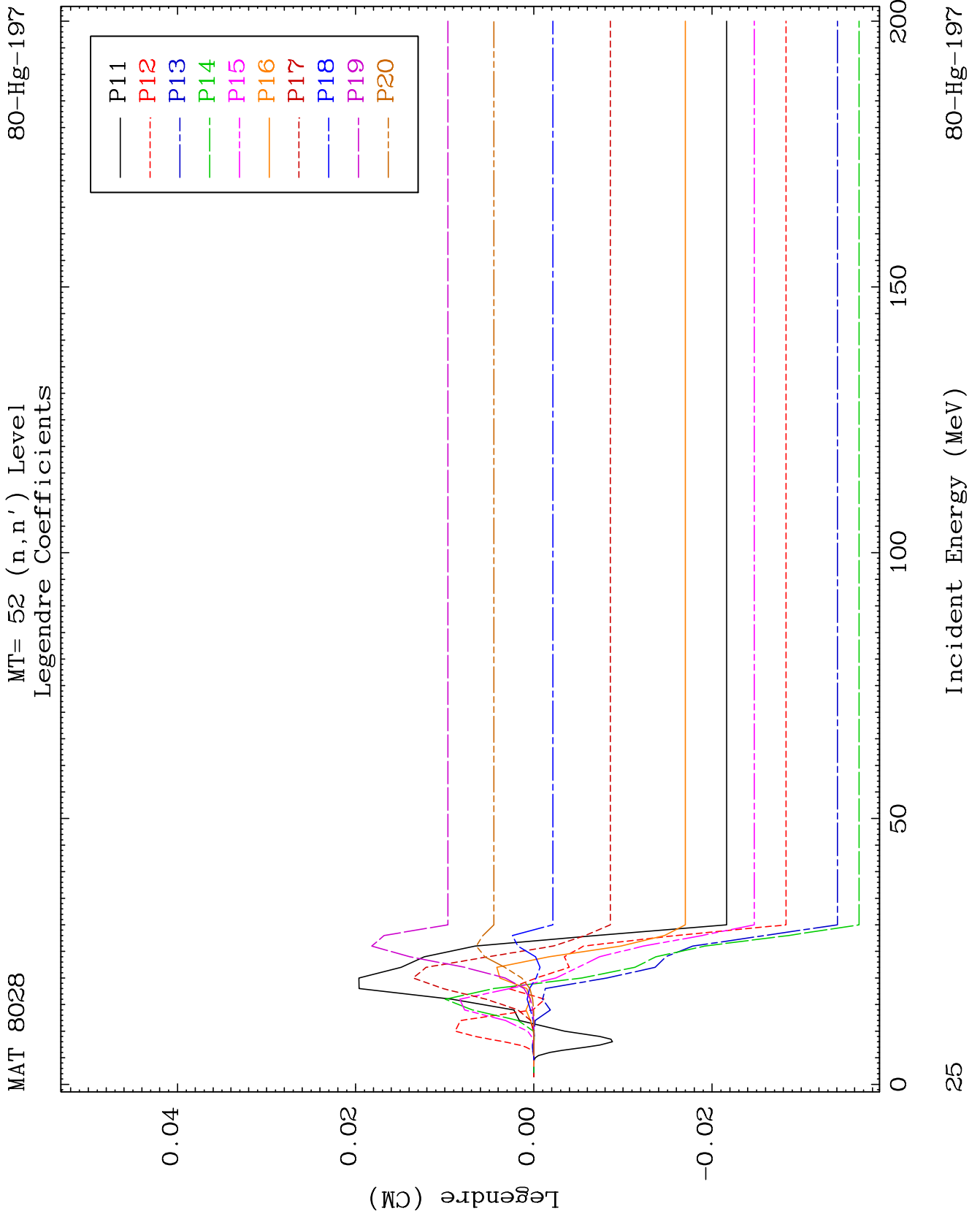
MAT 8028

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

80-Hg-197



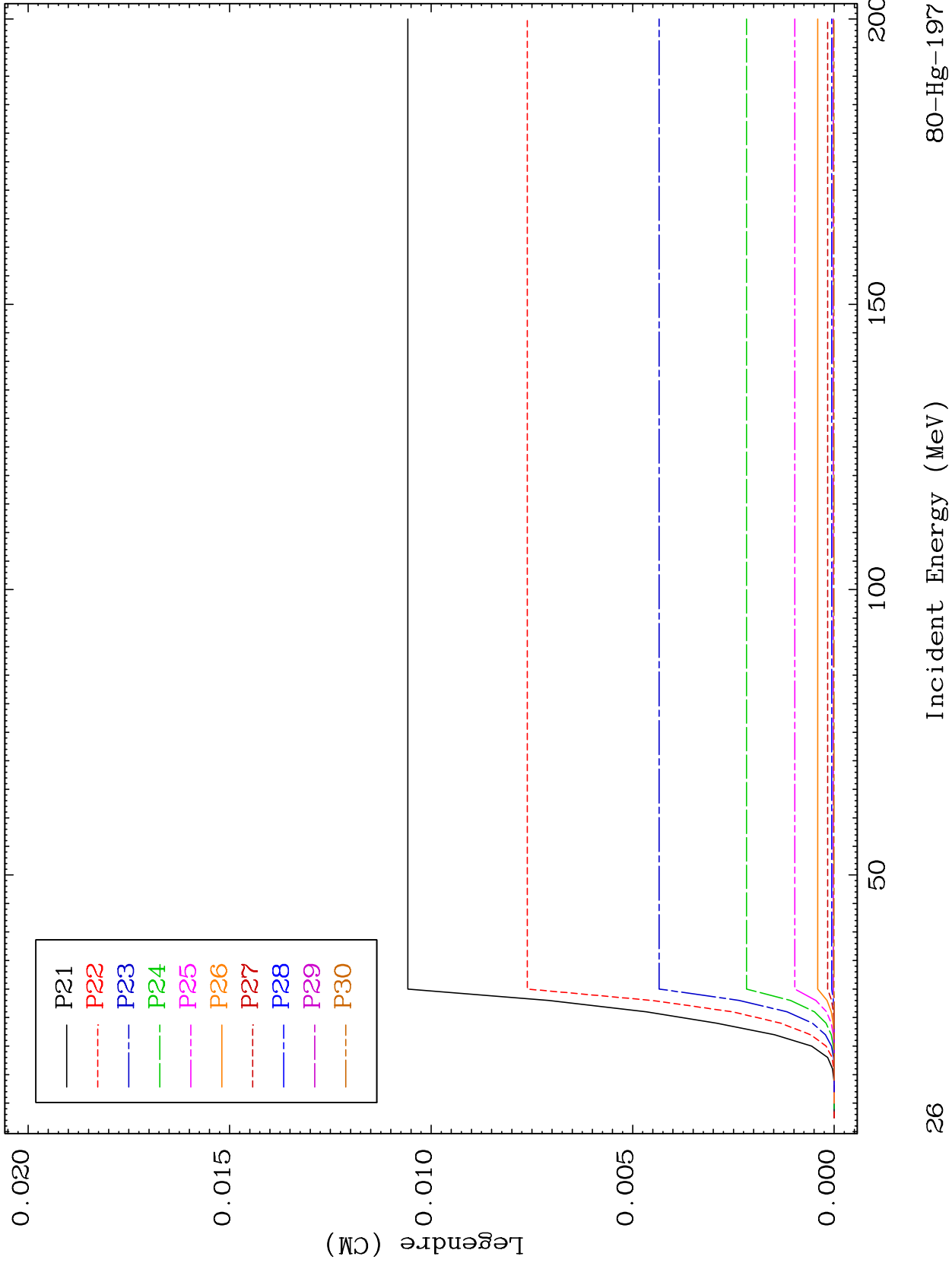
24



MAT 8028

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

80-Hg-197



26

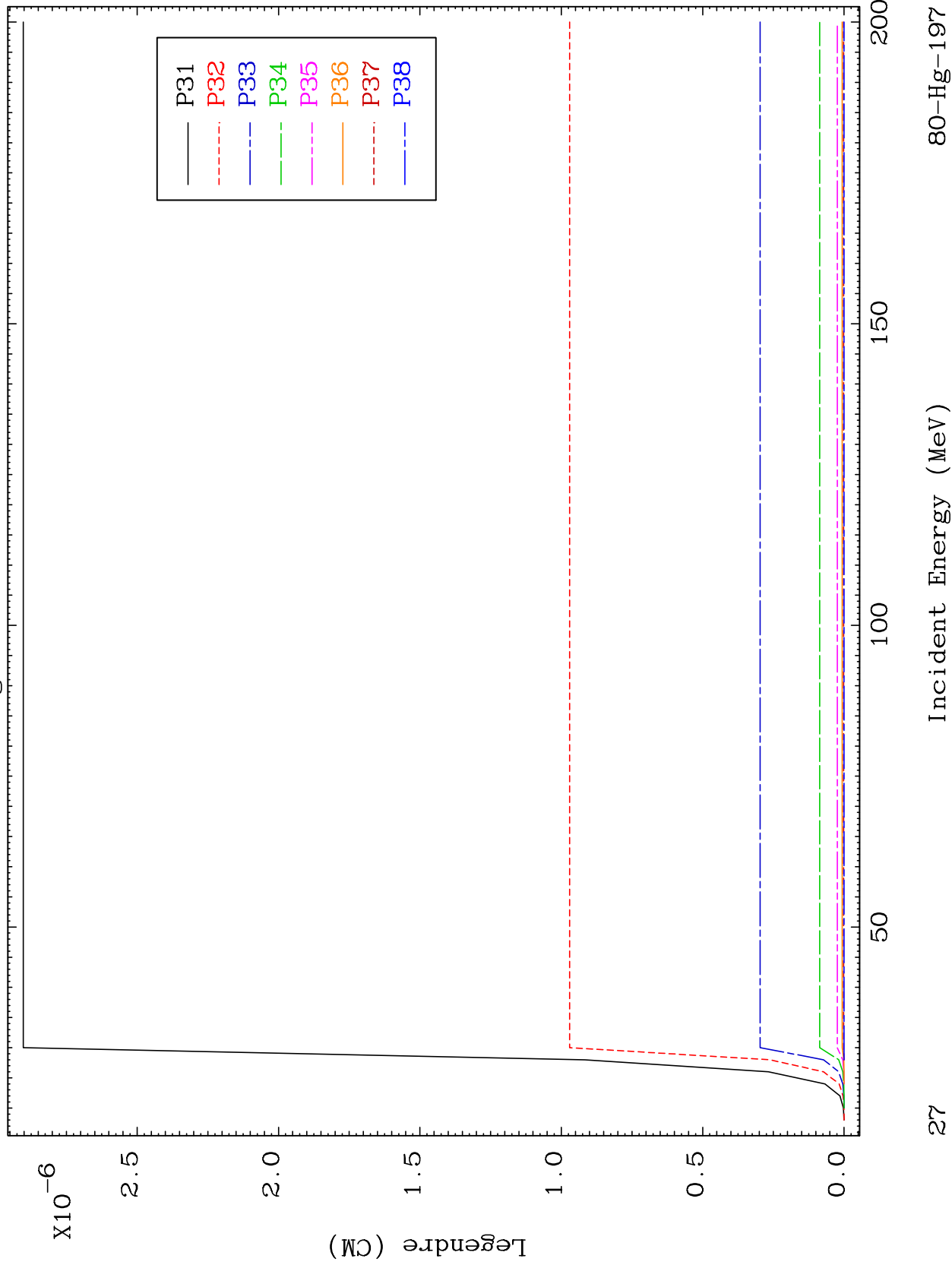
Incident Energy (MeV)

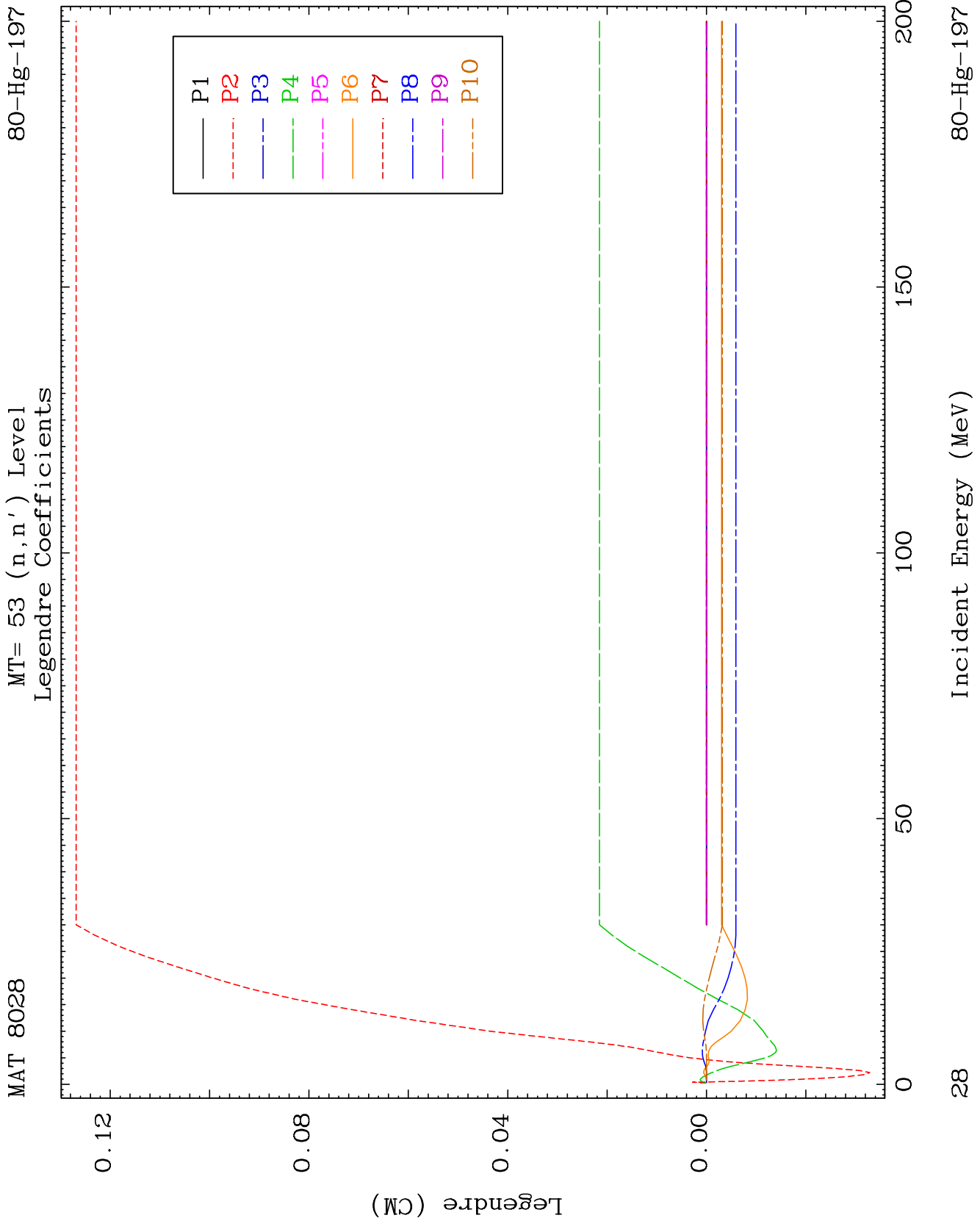
80-Hg-197

MAT 8028

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

80-Hg-197

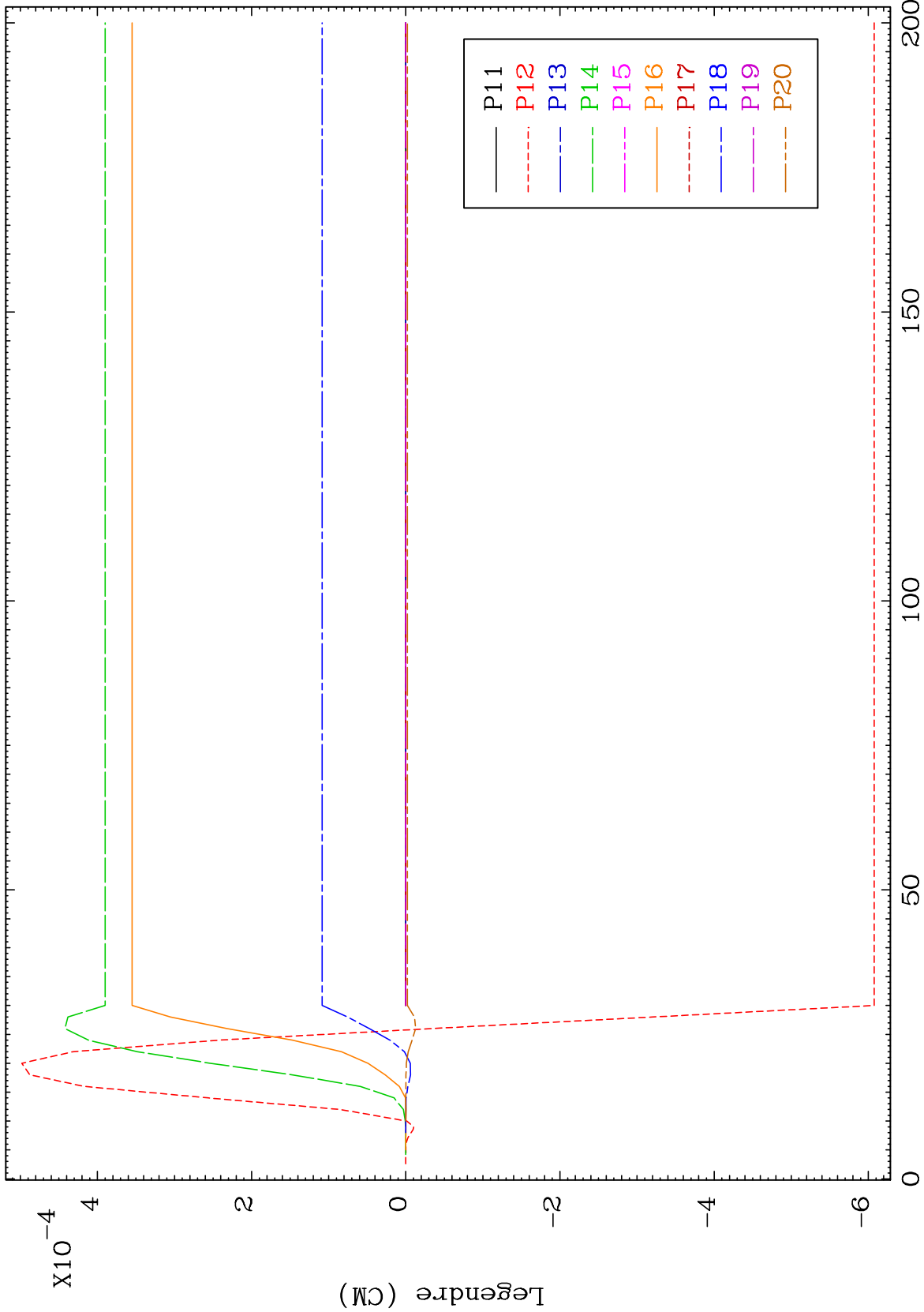




MAT 8028

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

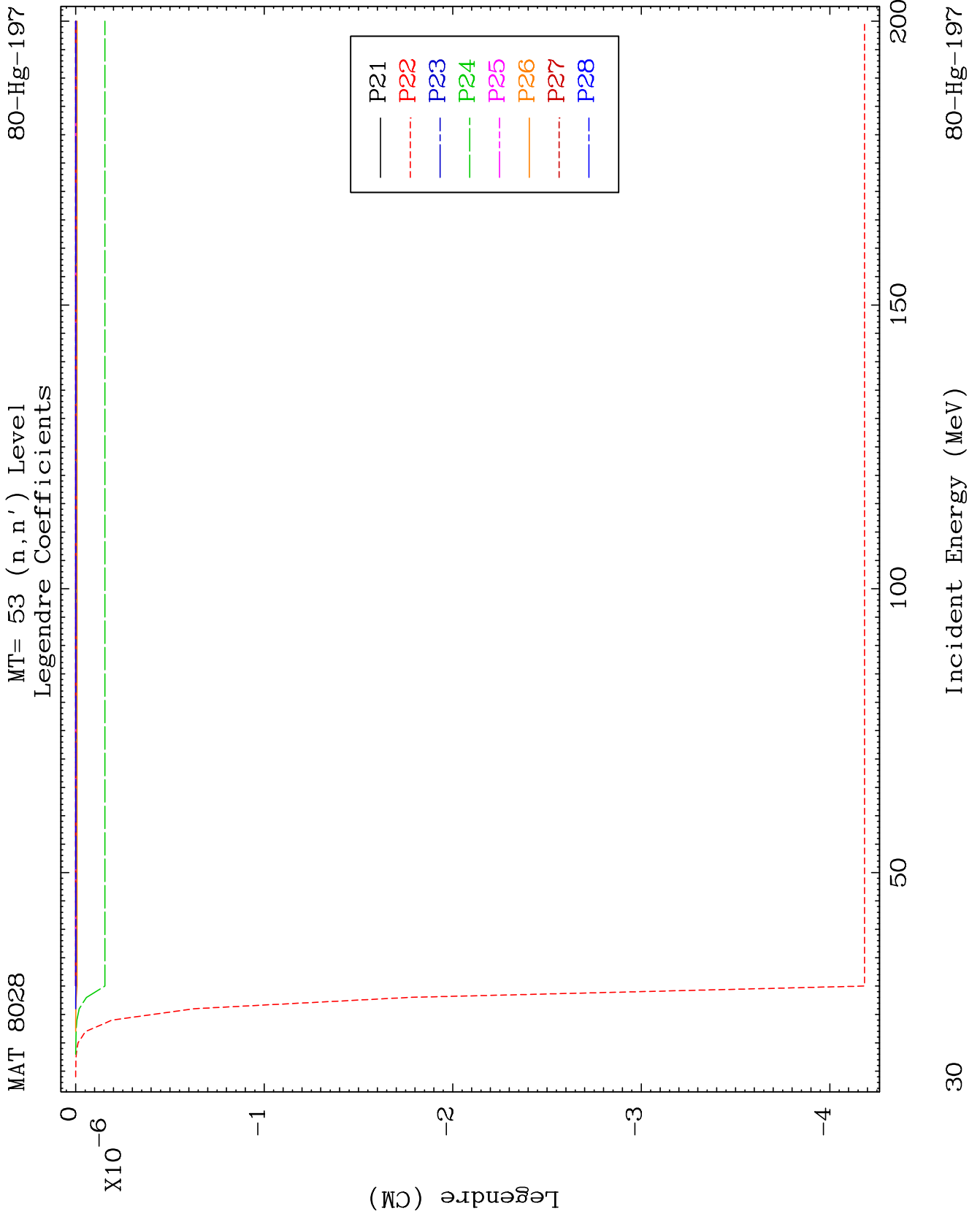
80-Hg-197



29

Incident Energy (MeV)

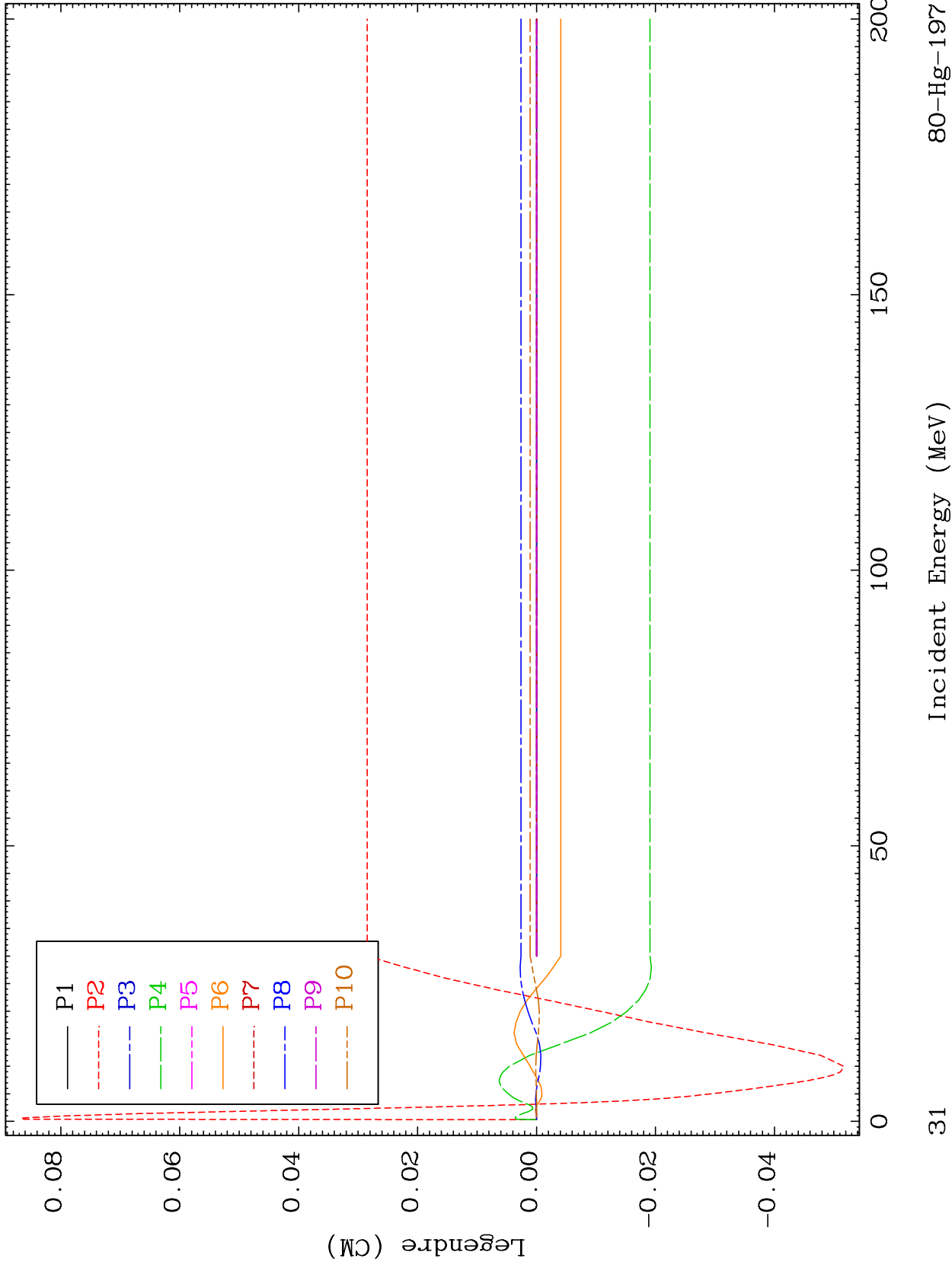
80-Hg-197



MAT 8028

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

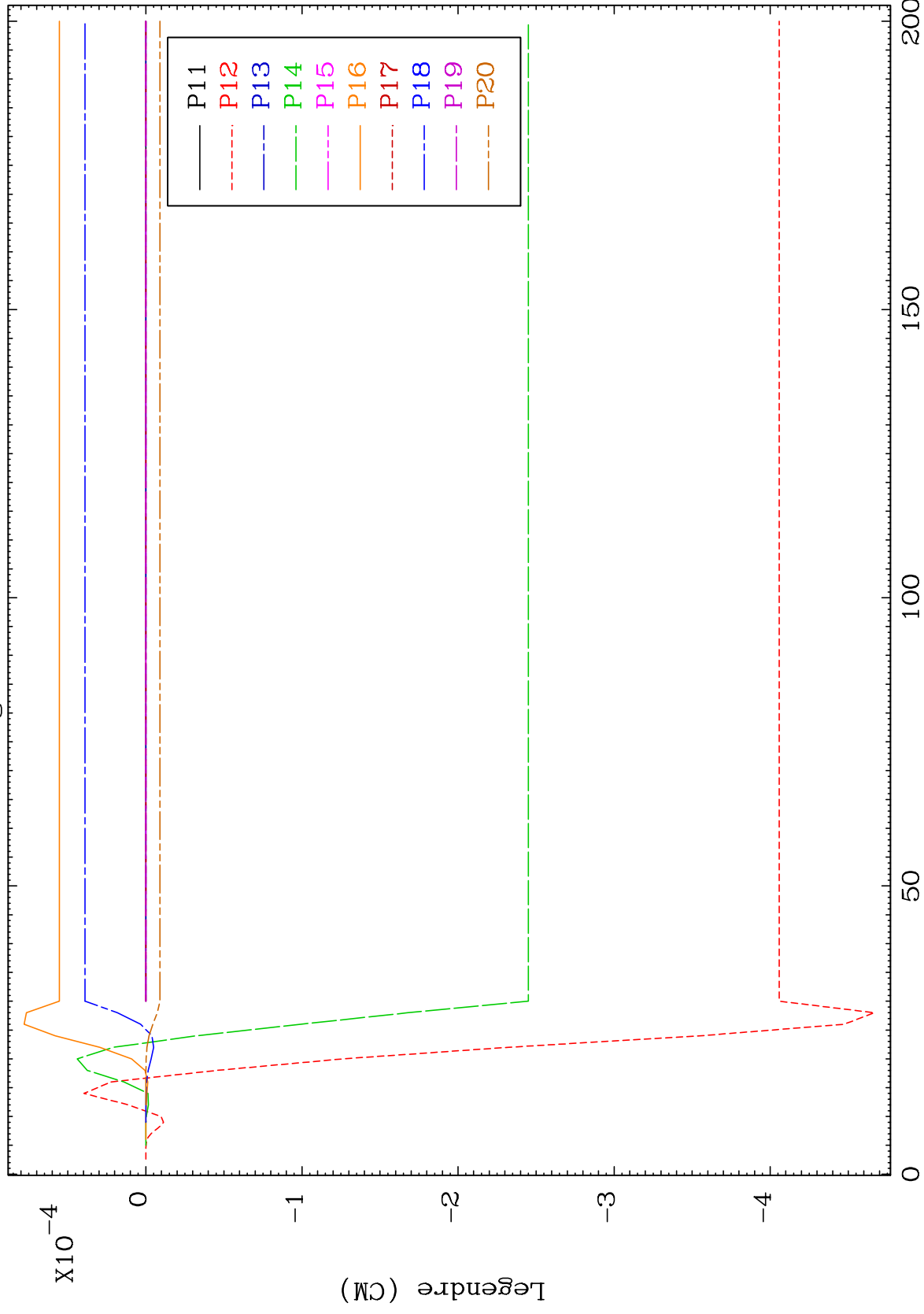
80-Hg-197



MAT 8028

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

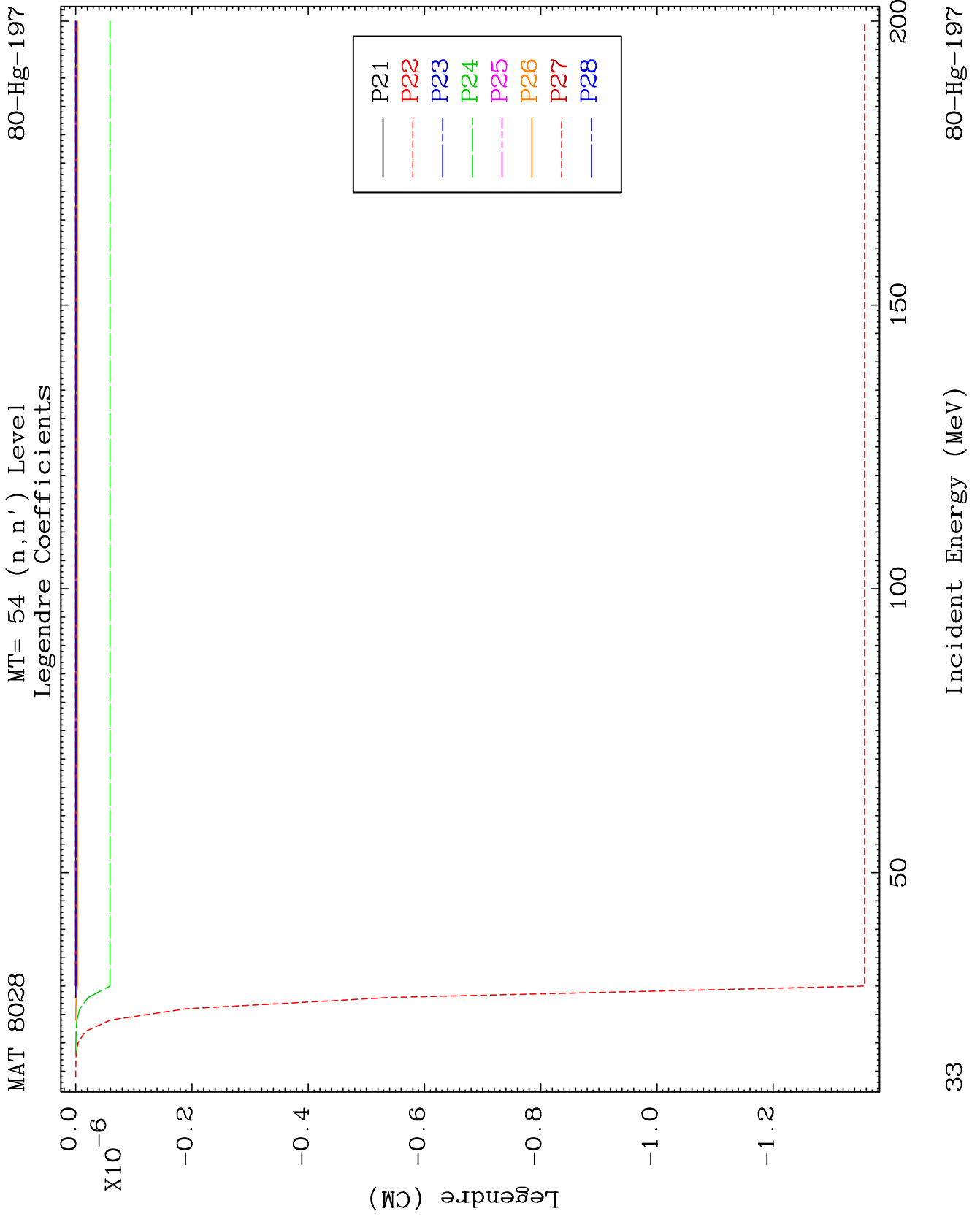
80-Hg-197



32

Incident Energy (MeV)

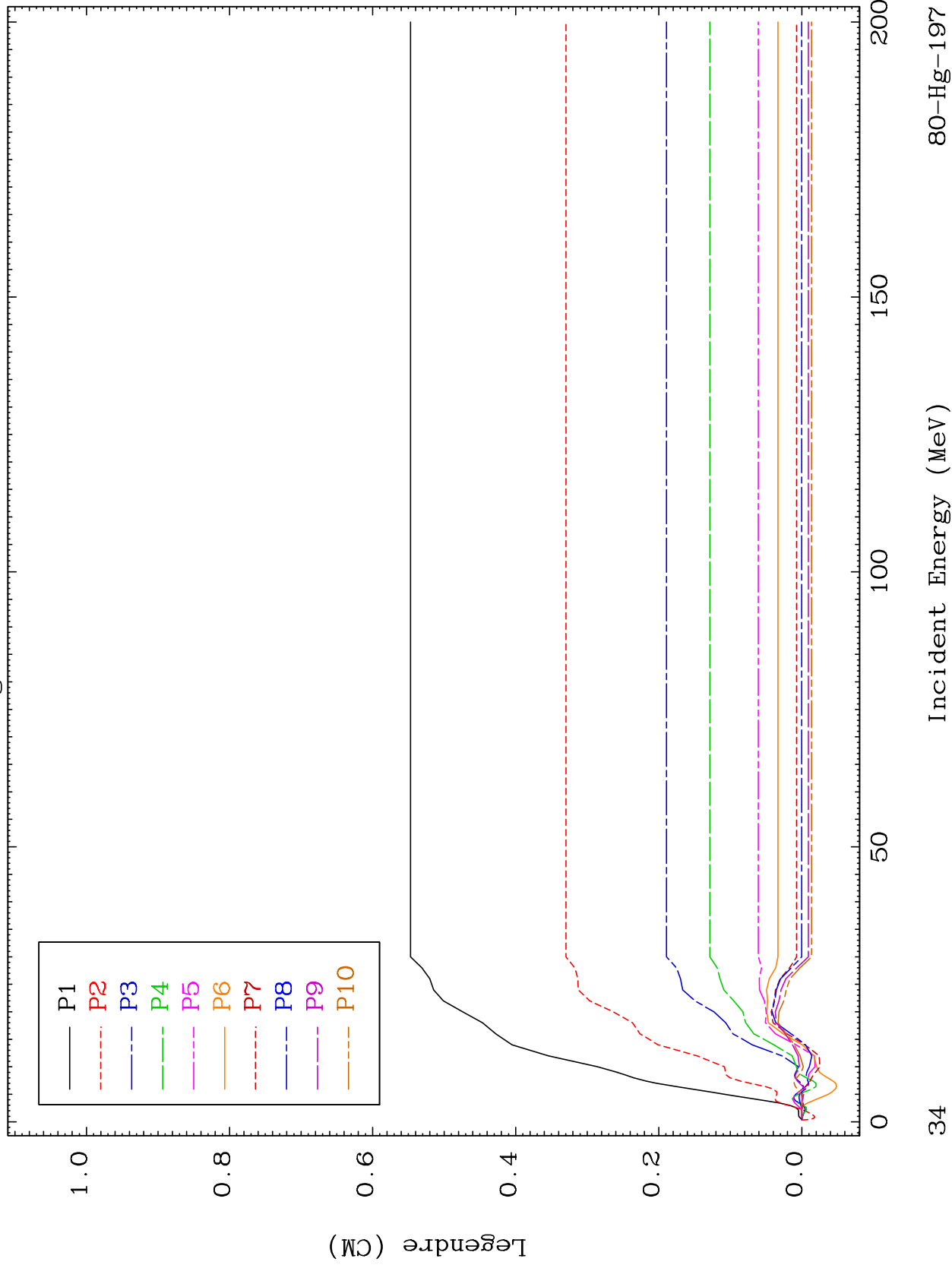
80-Hg-197



MAT 8028

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

80-Hg-197



34

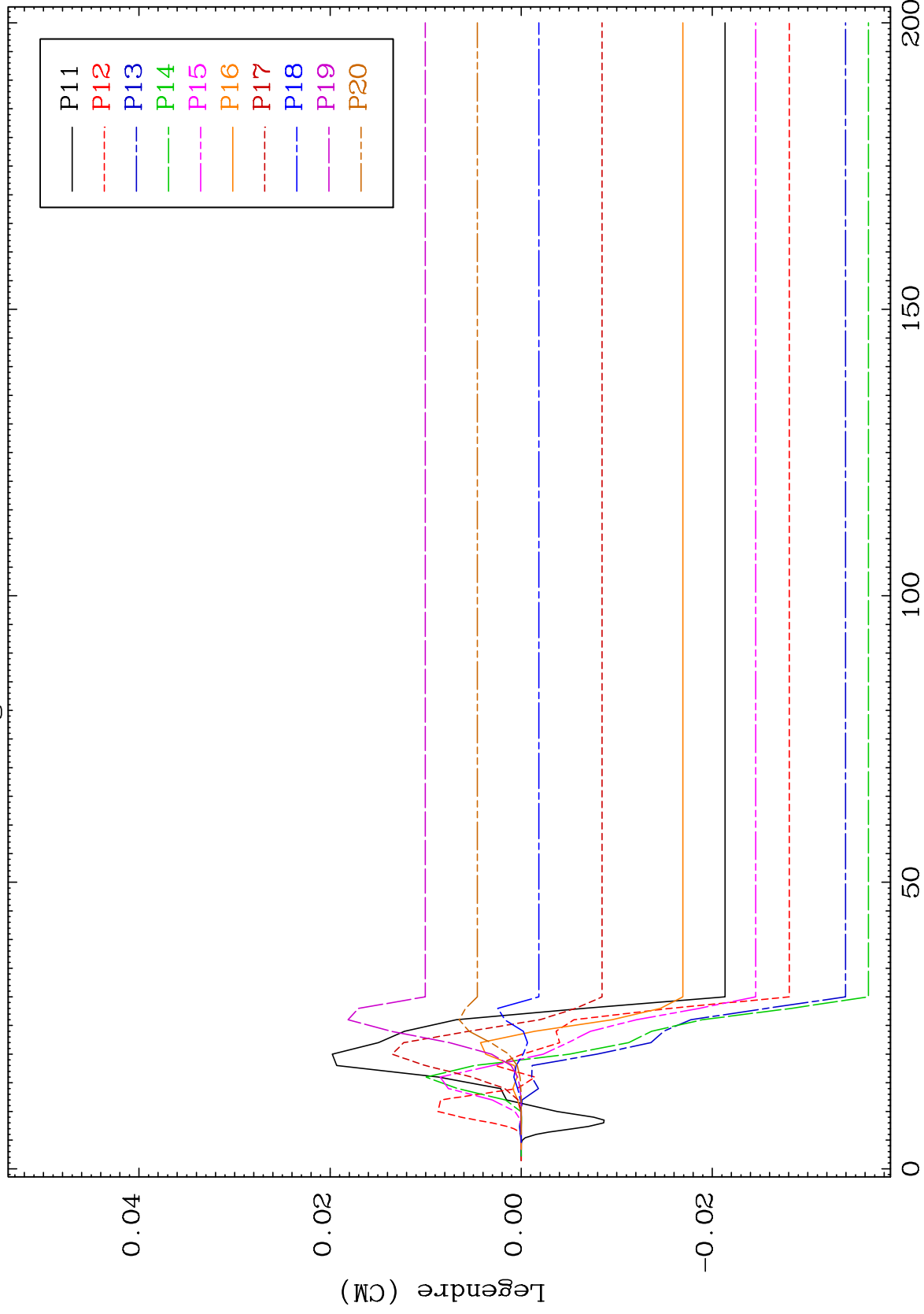
Incident Energy (MeV)

80-Hg-197

MAT 8028

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

80-Hg-197



35

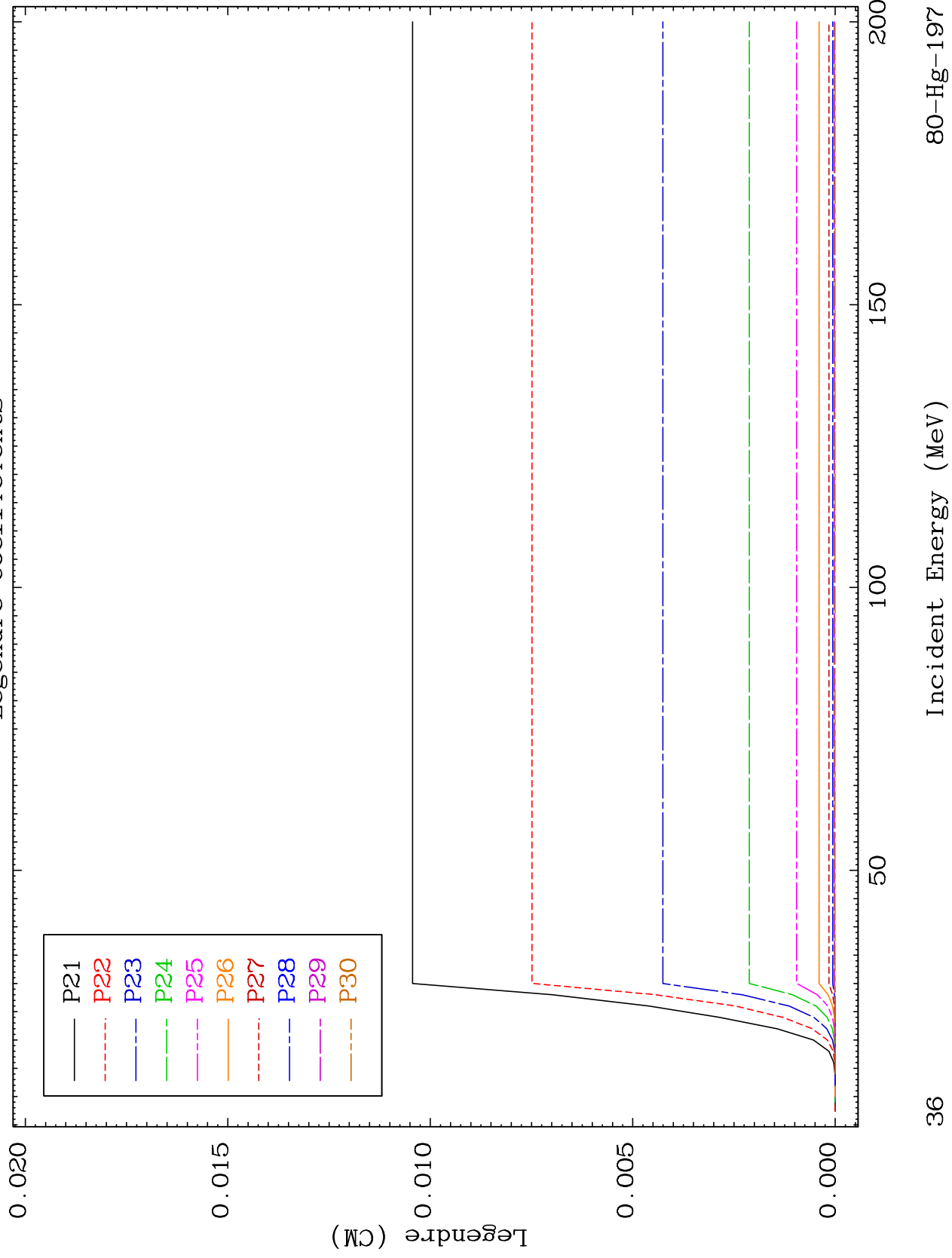
Incident Energy (MeV)

80-Hg-197

MAT 8028

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

80-Hg-197



36

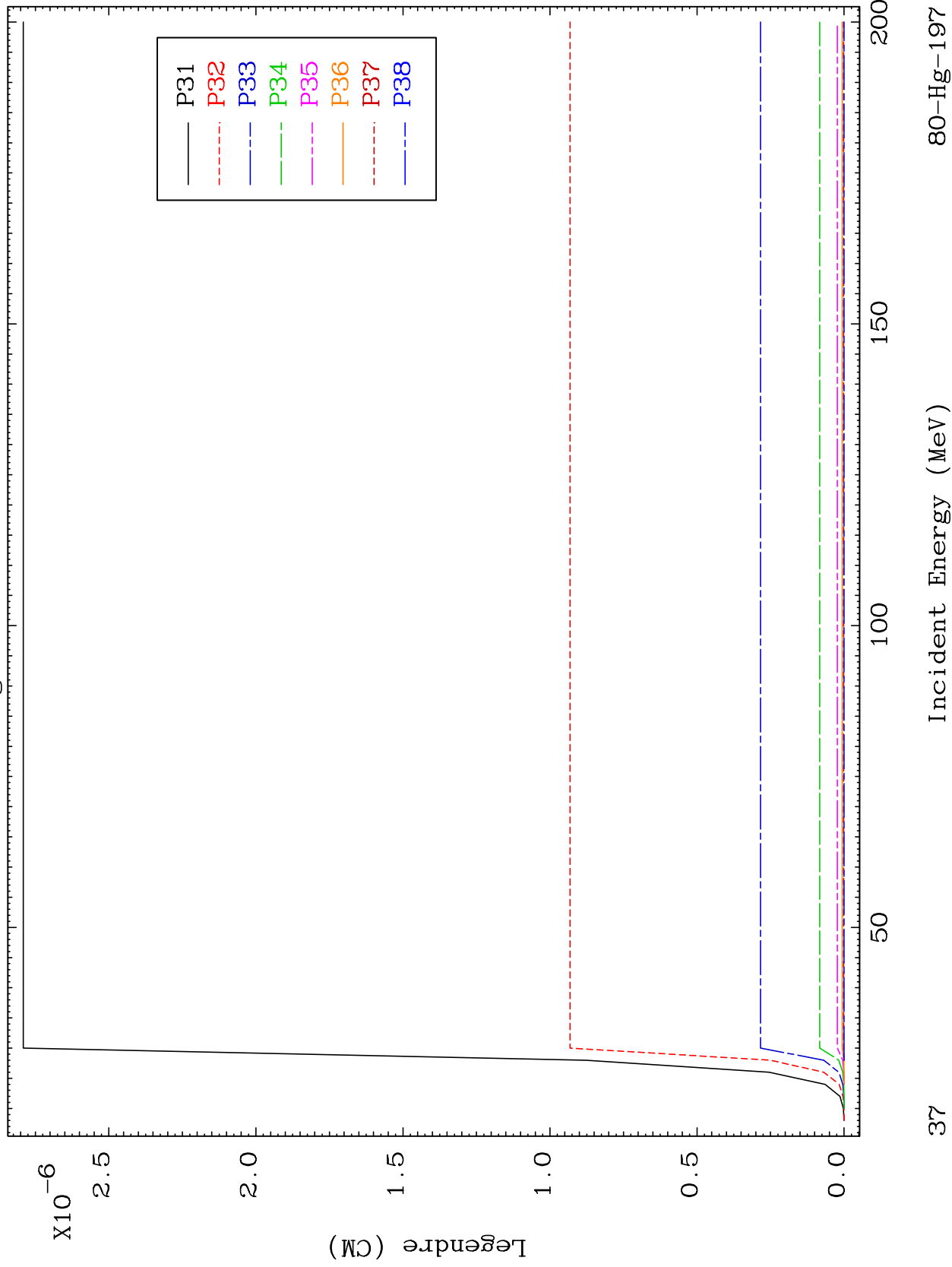
Incident Energy (MeV)

80-Hg-197

MAT 8028

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

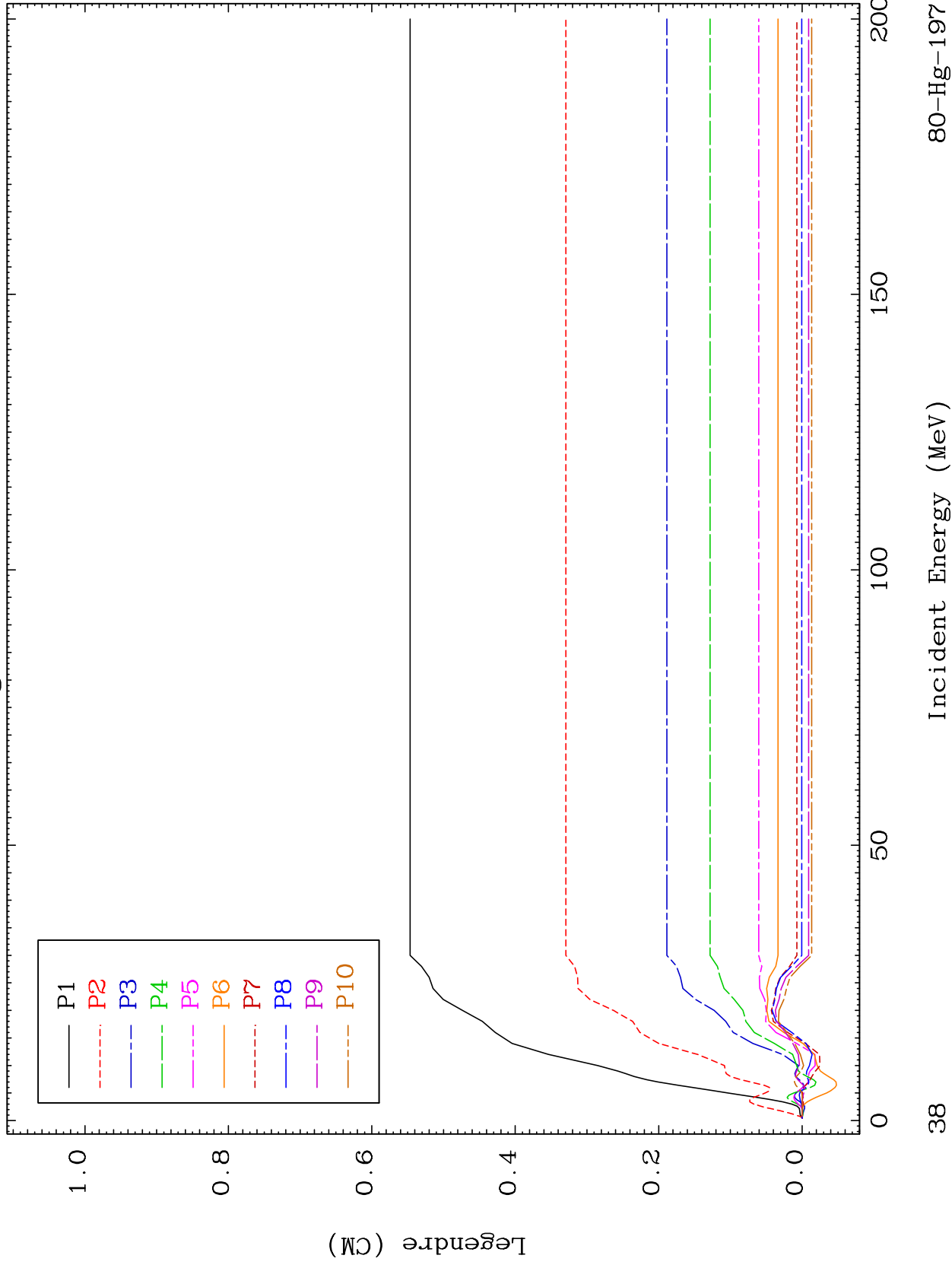
80-Hg-197



MAT 8028

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

80-Hg-197

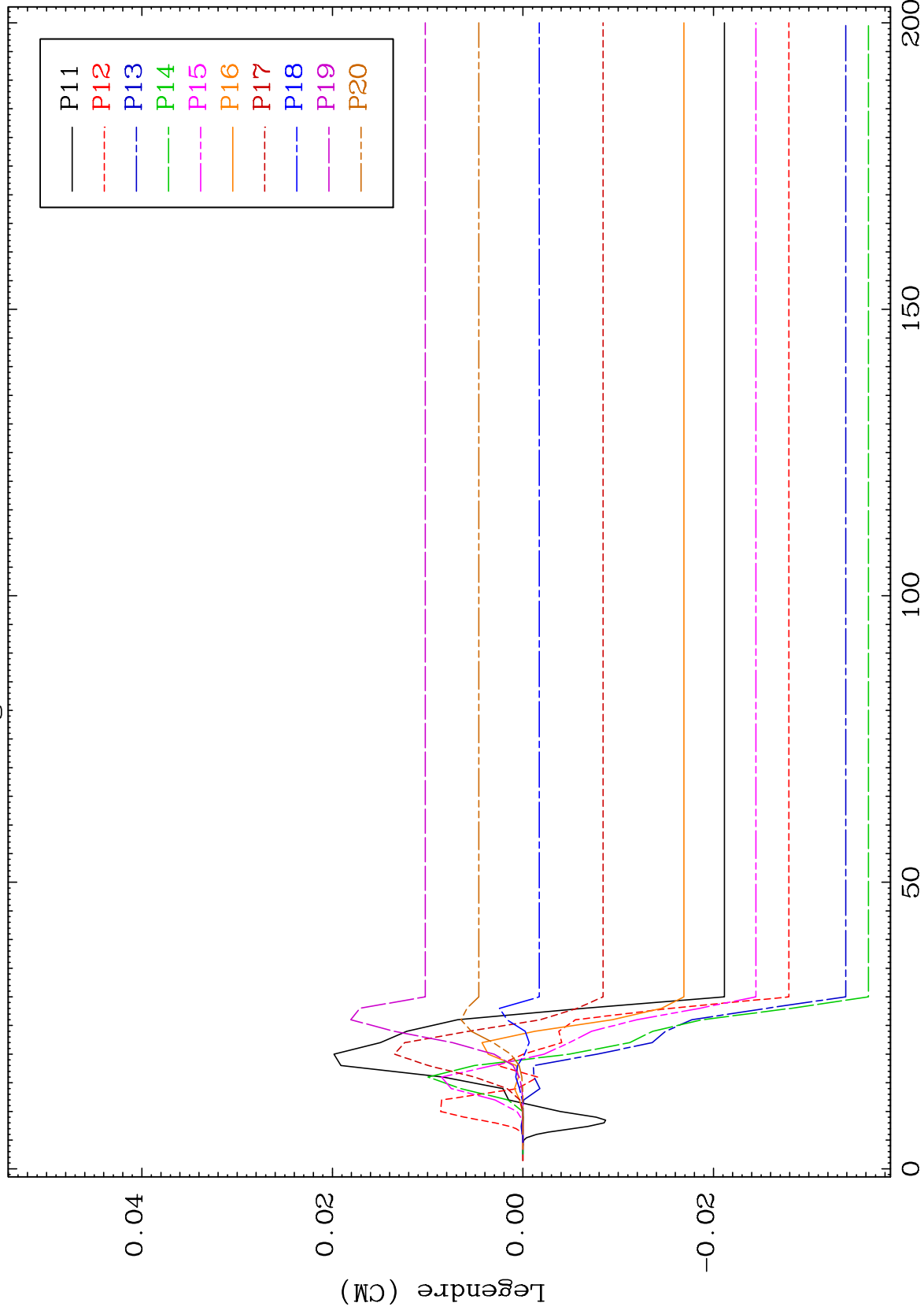


38

MAT 8028

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

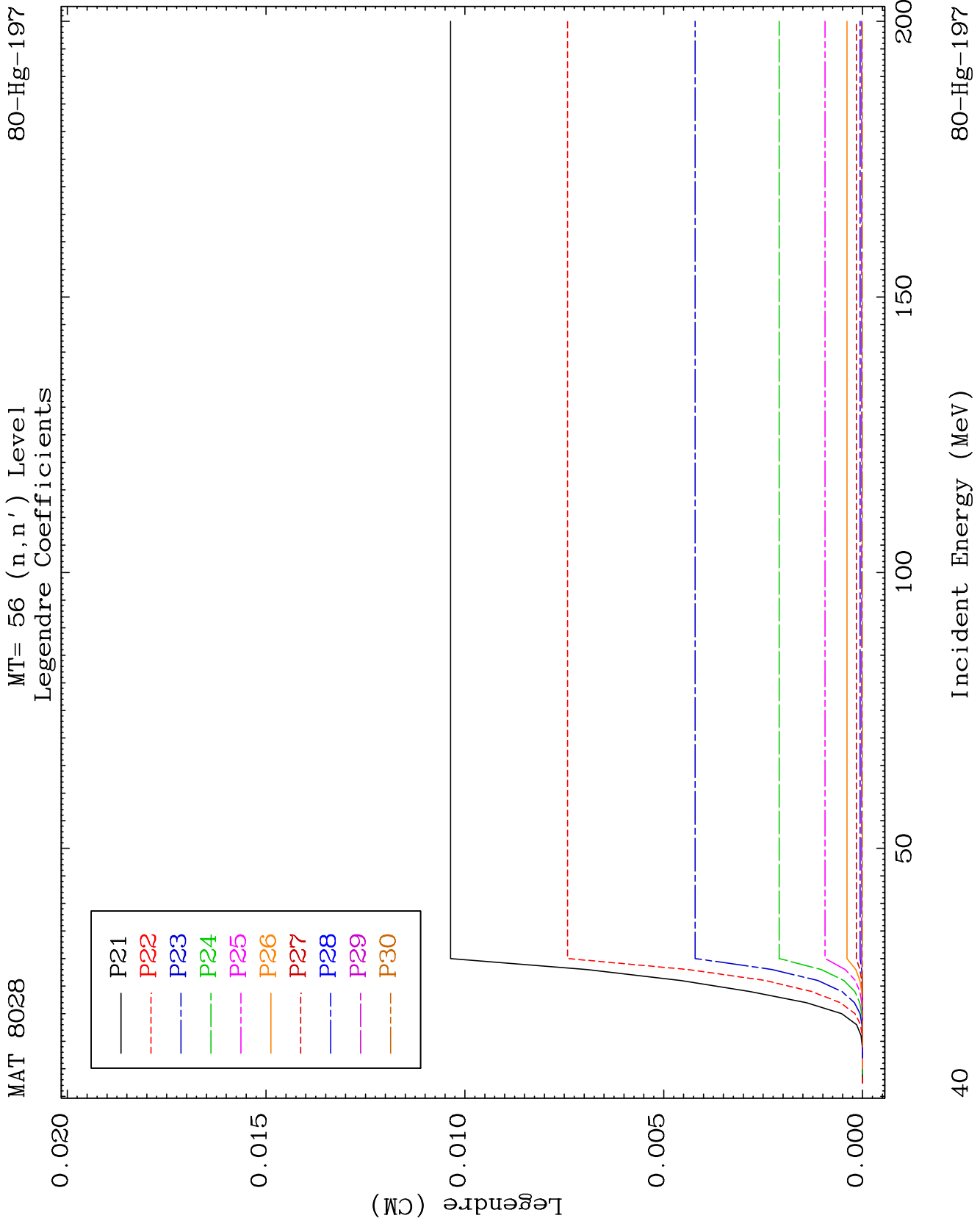
80-Hg-197



39

Incident Energy (MeV)

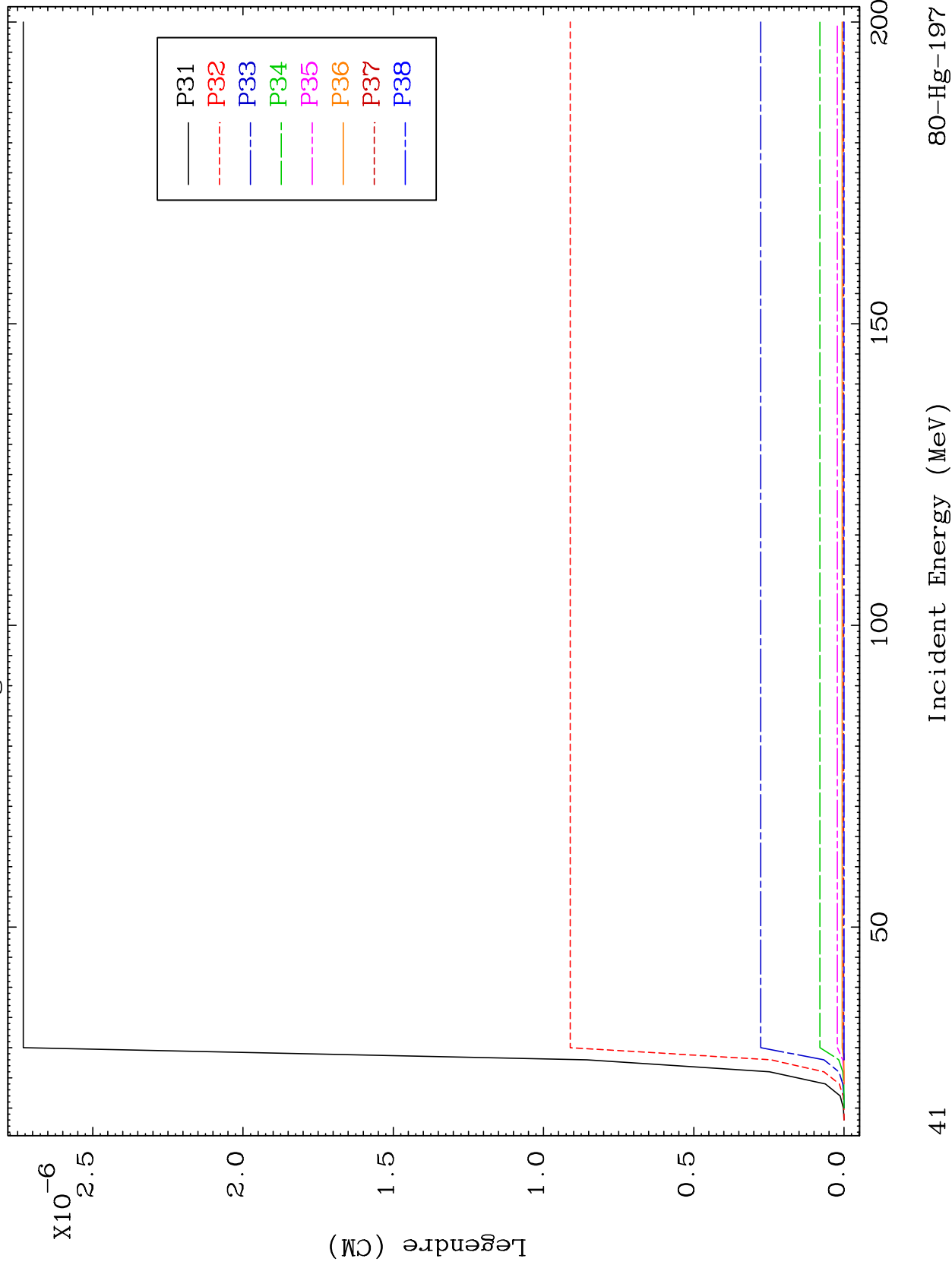
80-Hg-197



MAT 8028

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

80-Hg-197



41

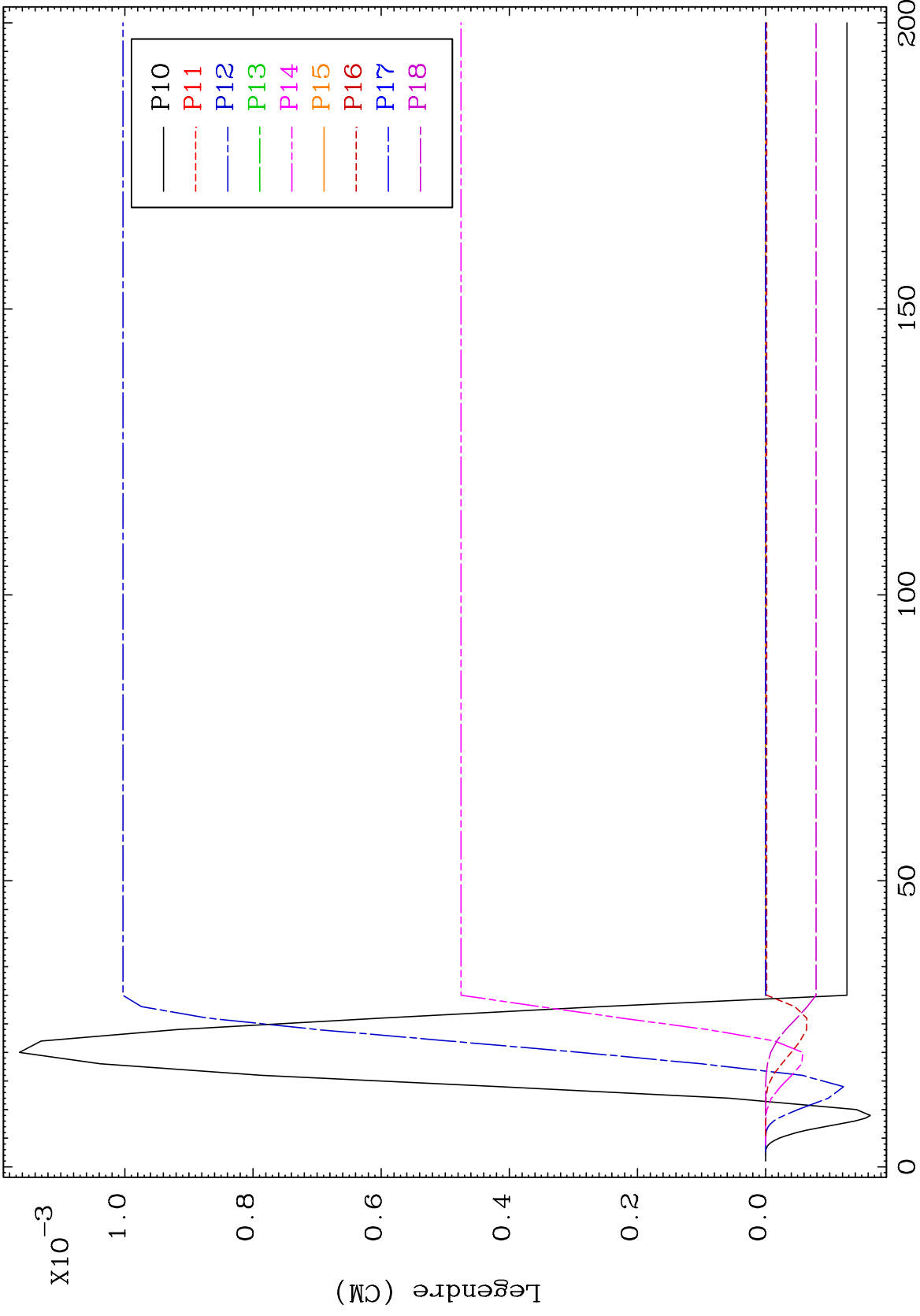
Incident Energy (MeV)

80-Hg-197

MAT 8028

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

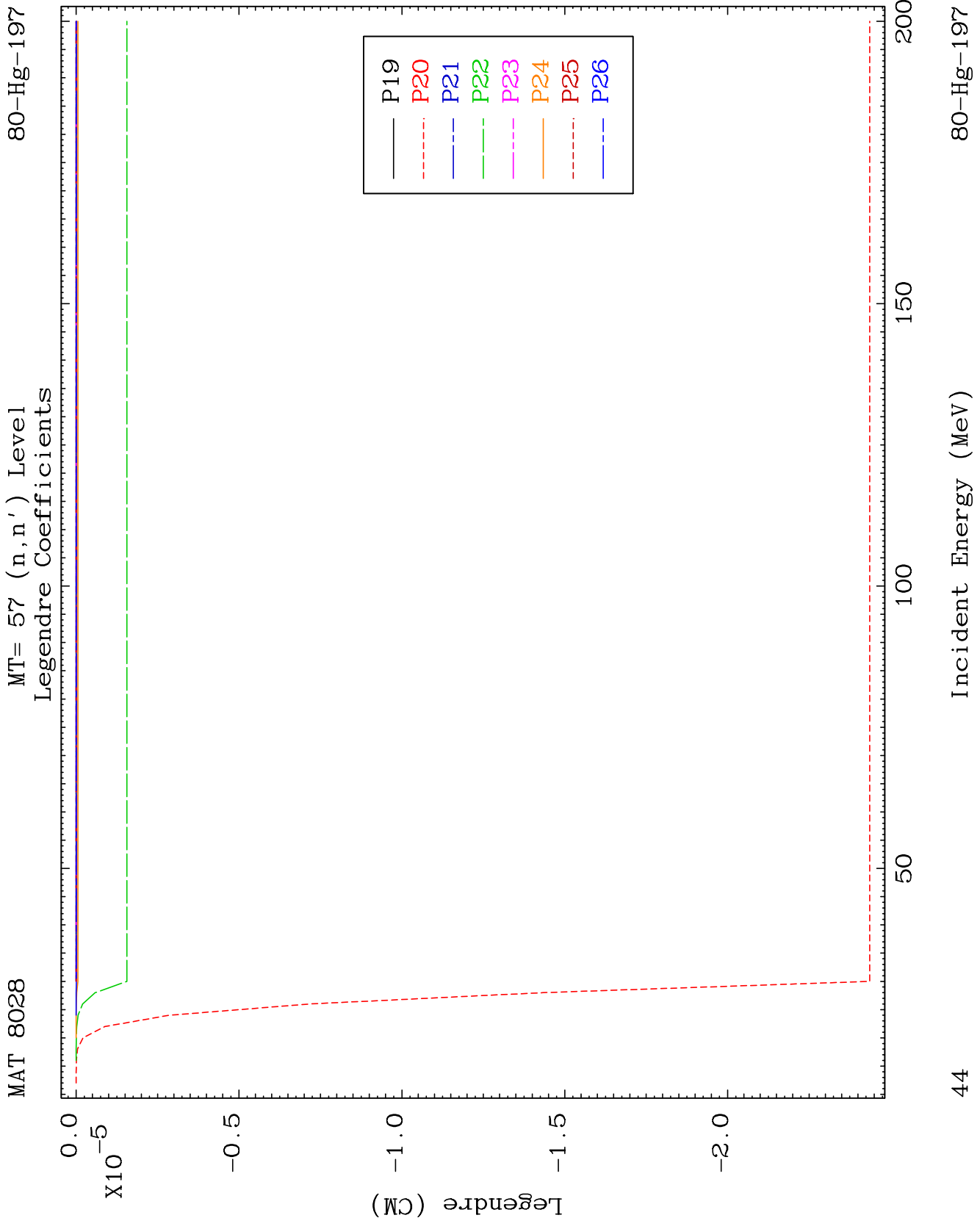
80-Hg-197



43

Incident Energy (MeV)

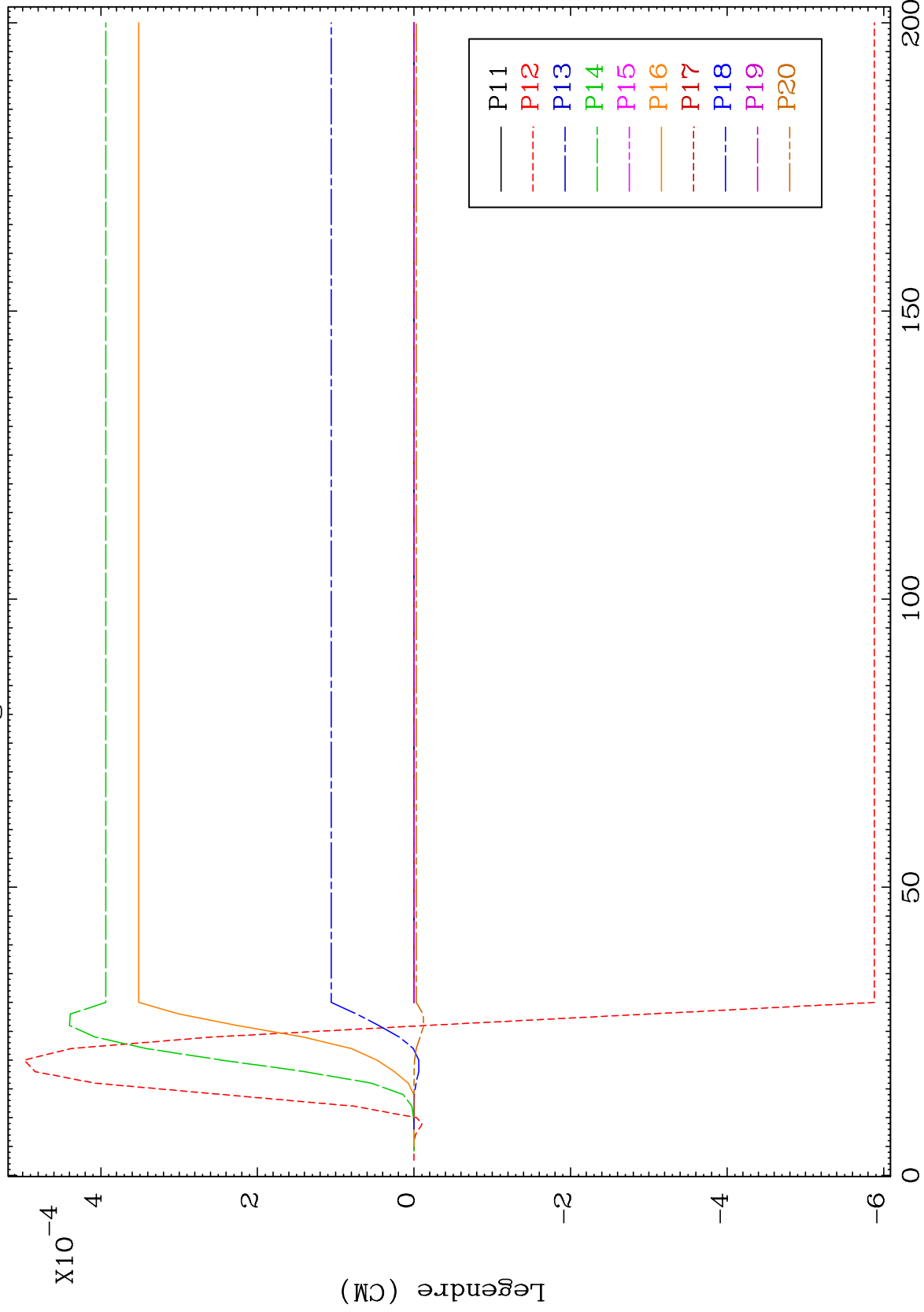
80-Hg-197



MAT 8028

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

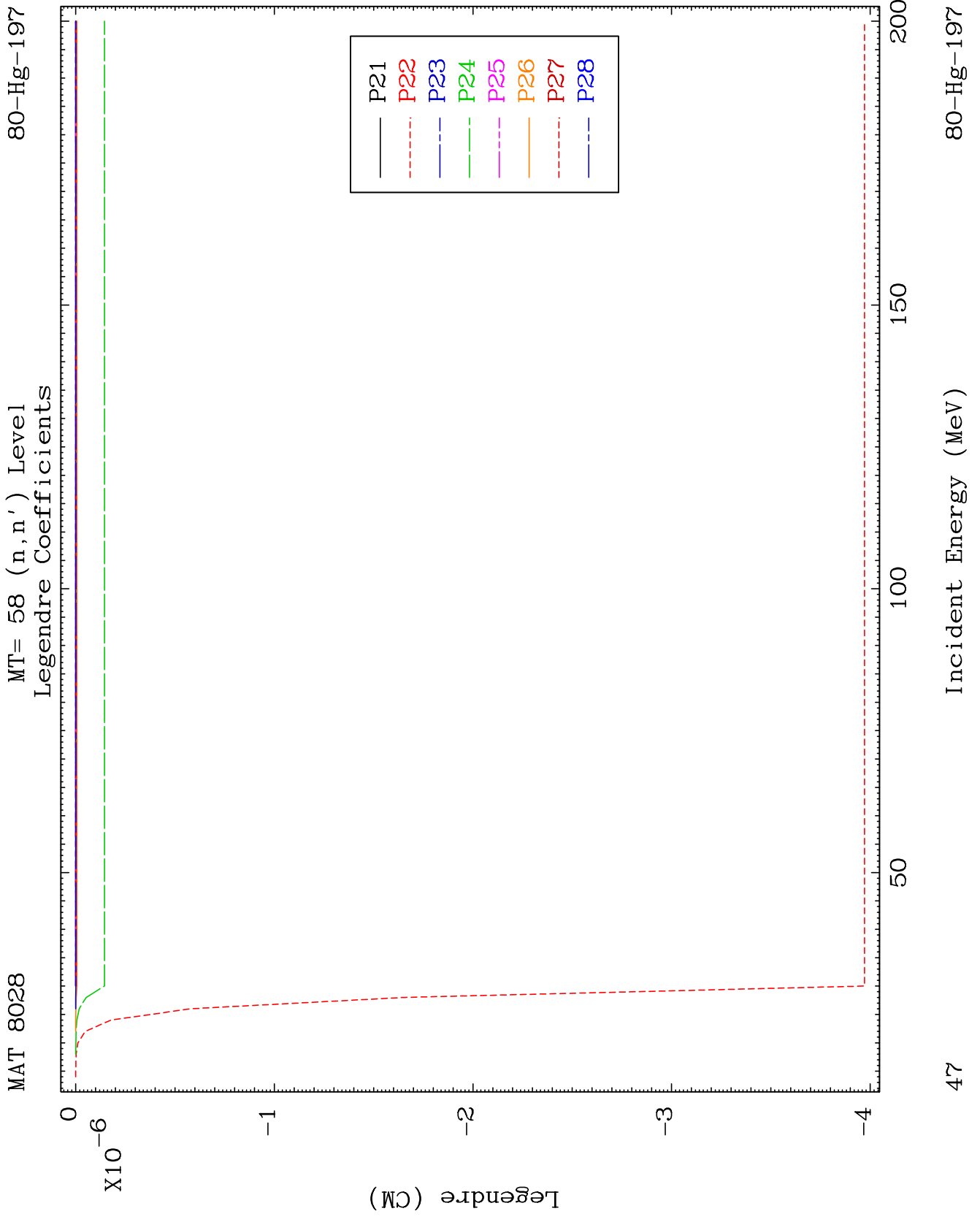
80-Hg-197



46

Incident Energy (MeV)

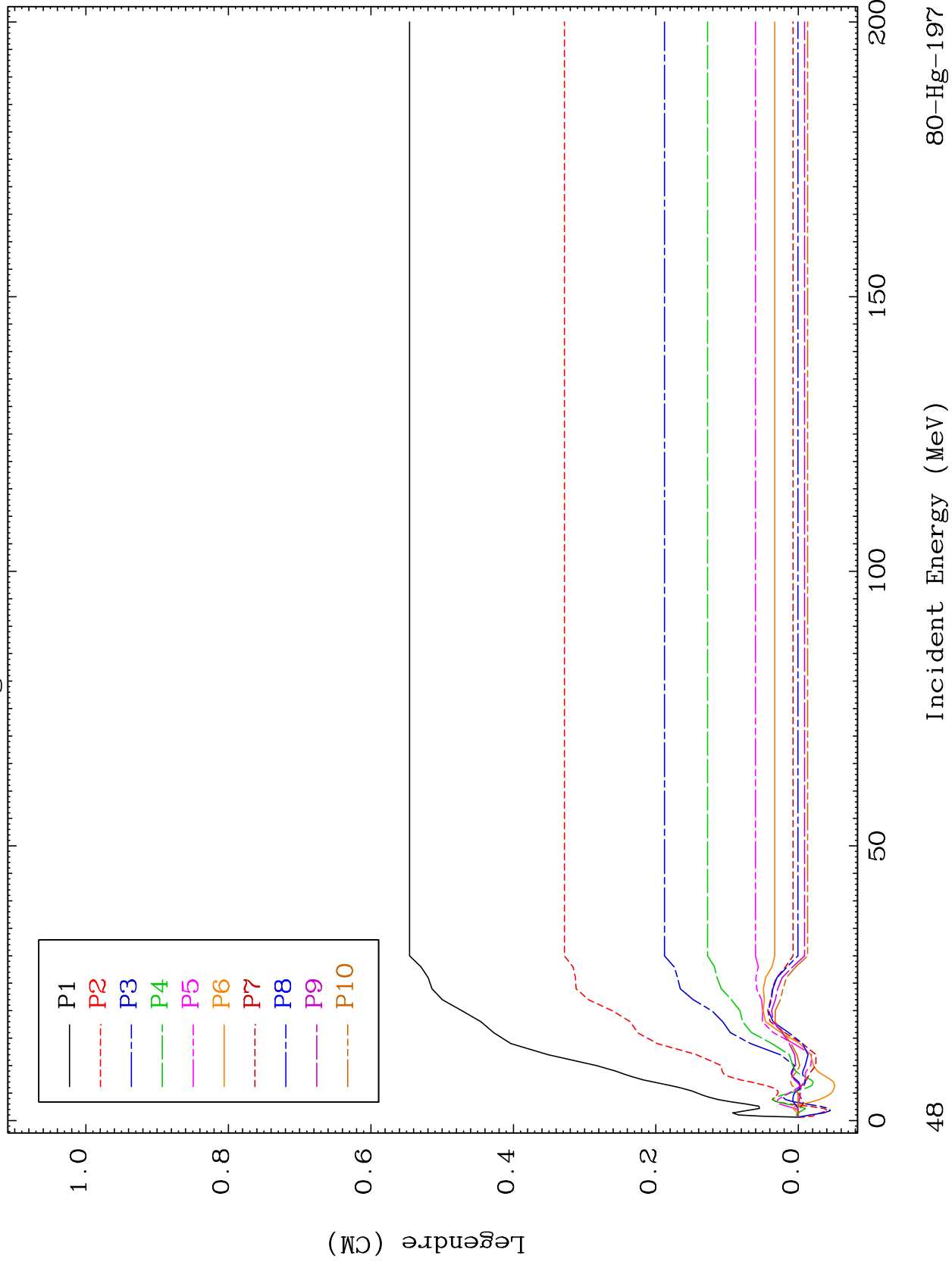
80-Hg-197



MAT 8028

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

80-Hg-197



48

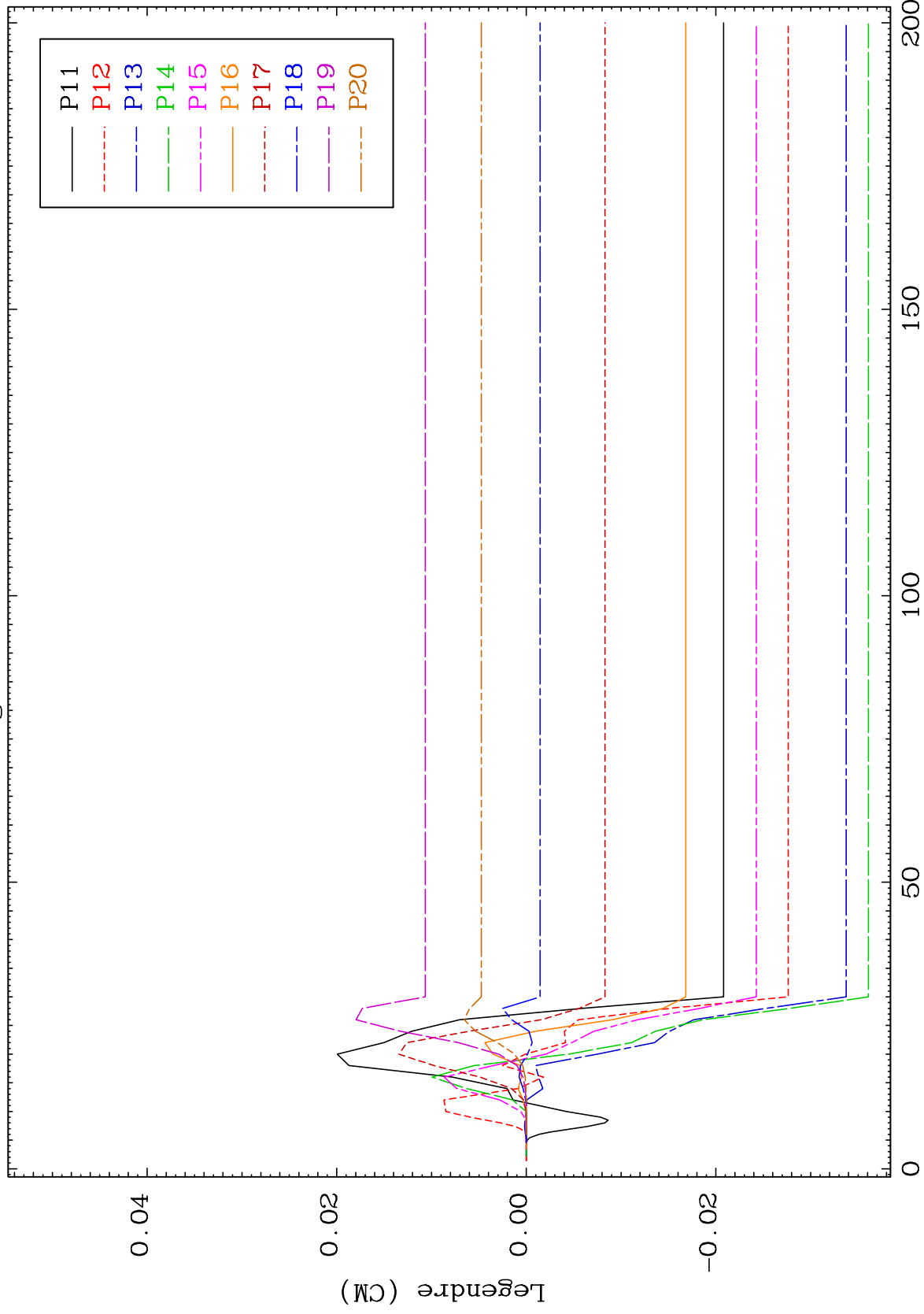
Incident Energy (MeV)

80-Hg-197

MAT 8028

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

80-Hg-197



49

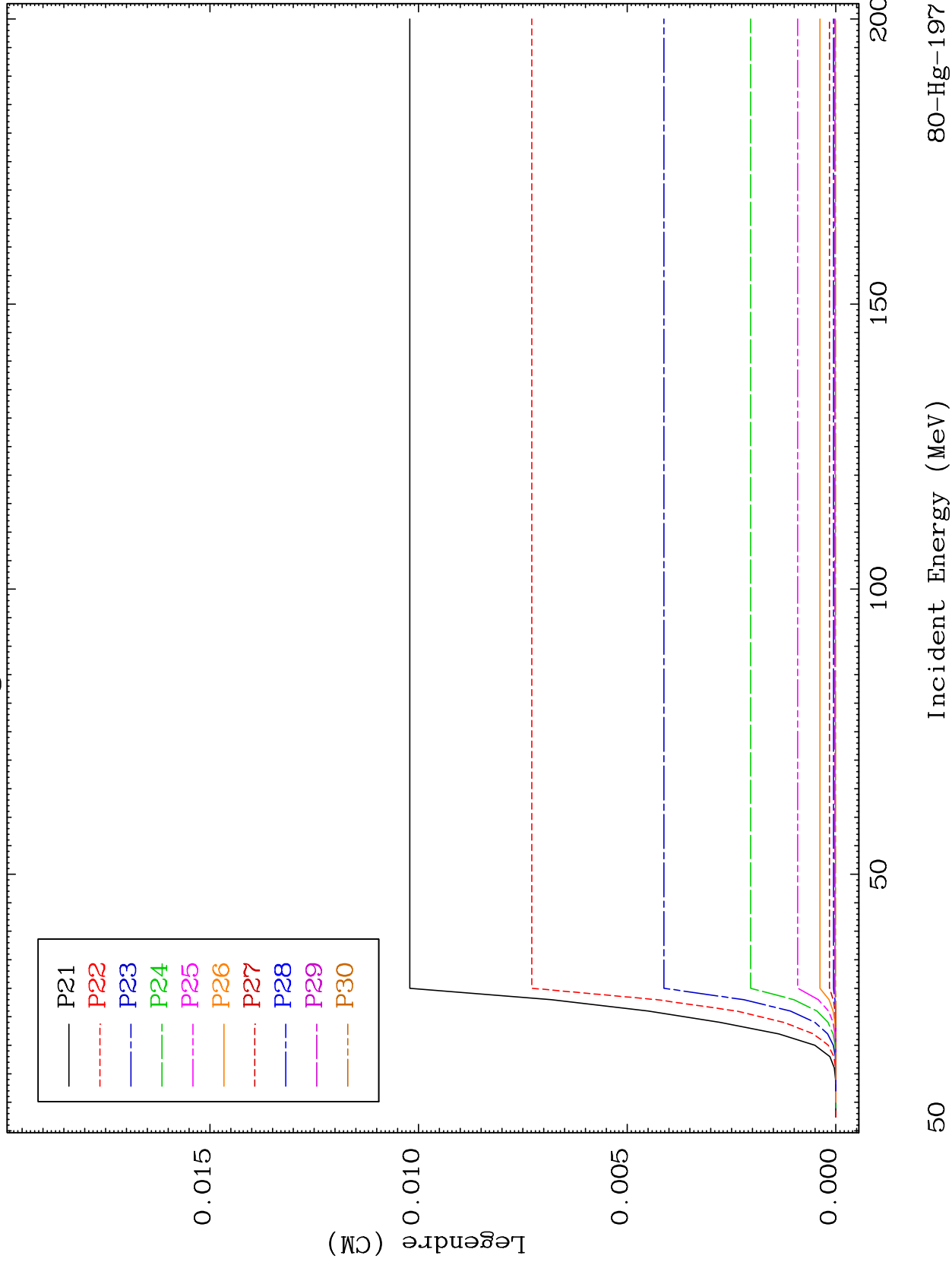
Incident Energy (MeV)

80-Hg-197

MAT 8028

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

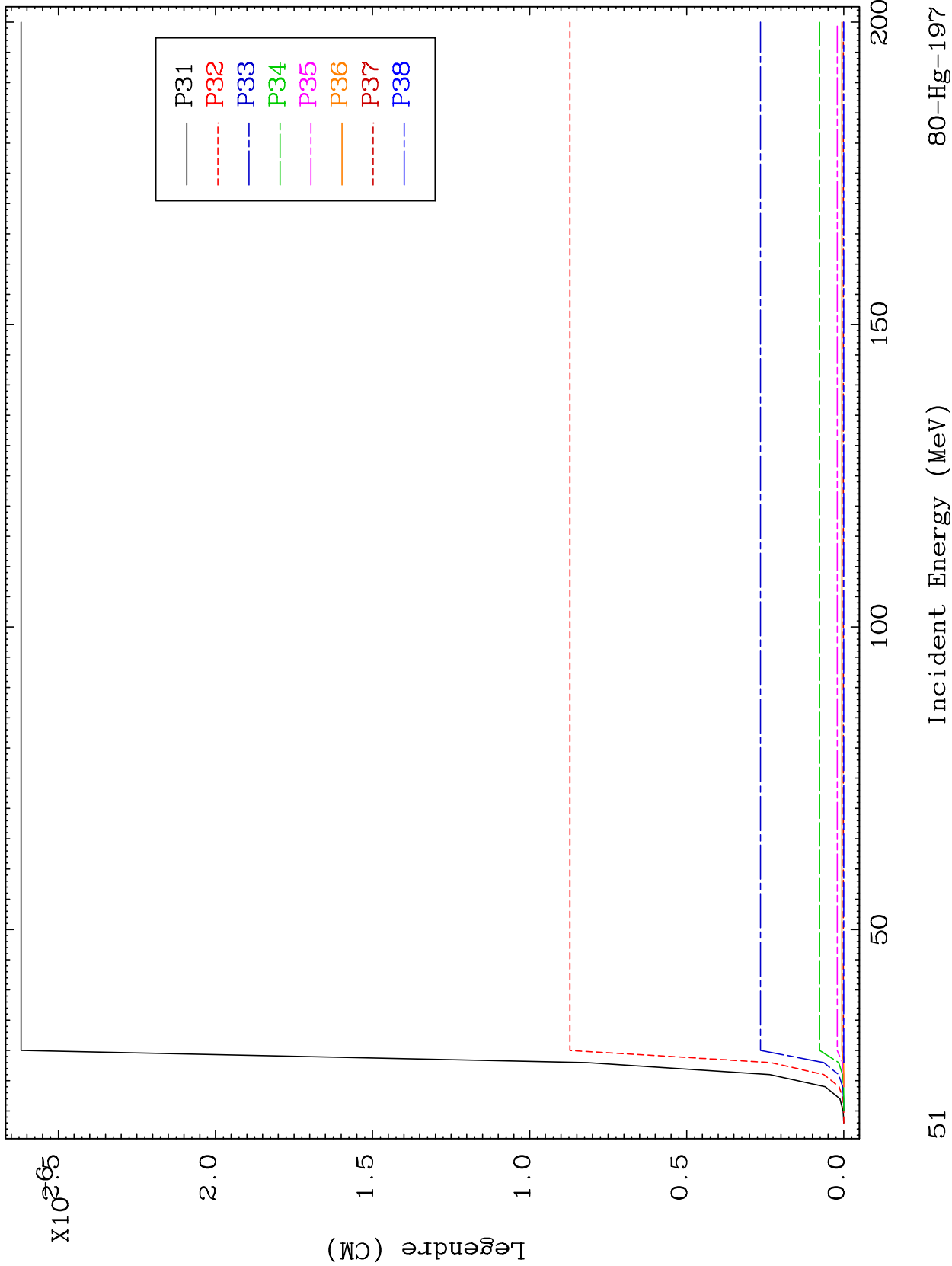
80-Hg-197



80-Hg-197

Incident Energy (MeV)

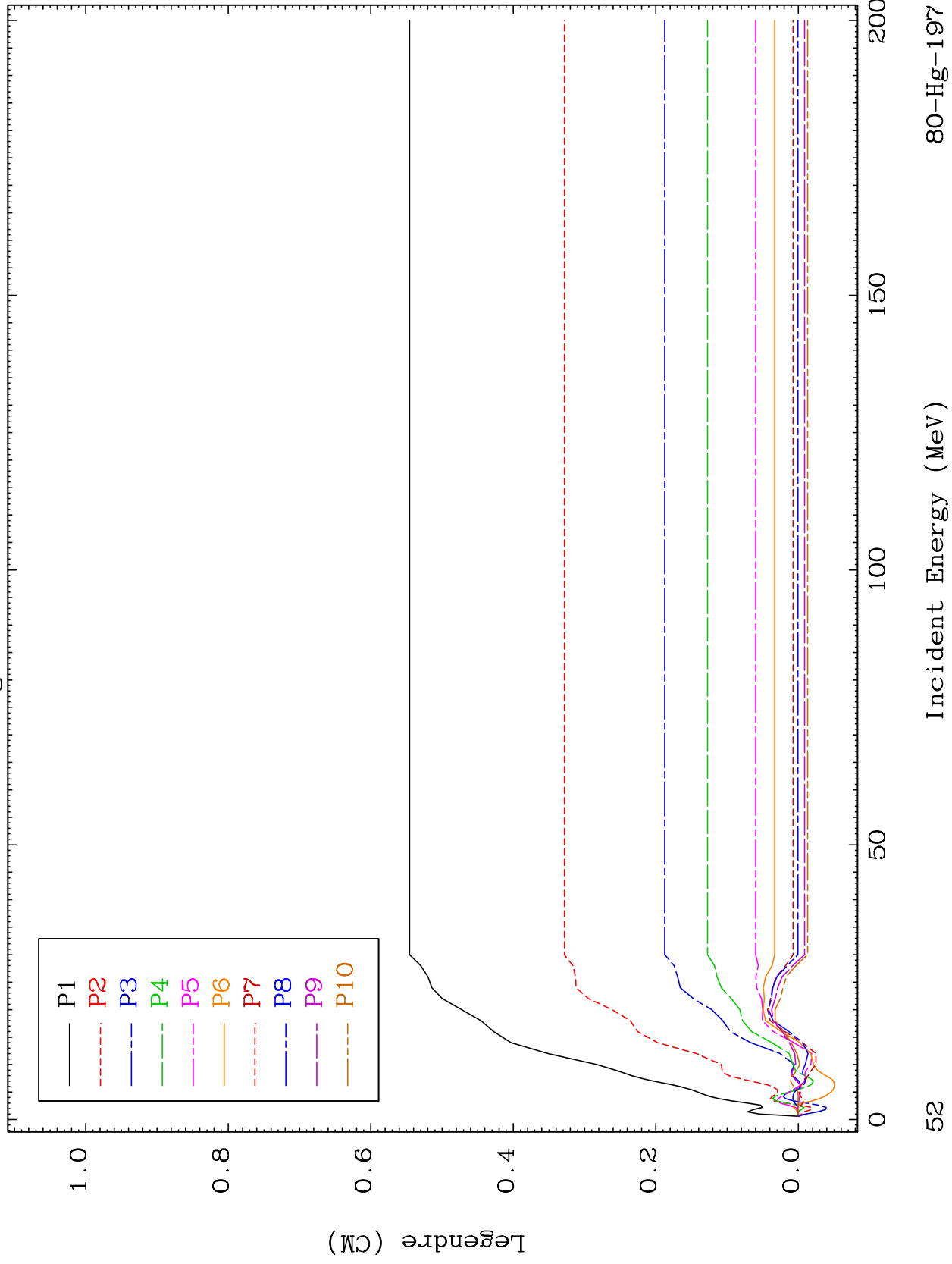
50



MAT 8028

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

80-Hg-197

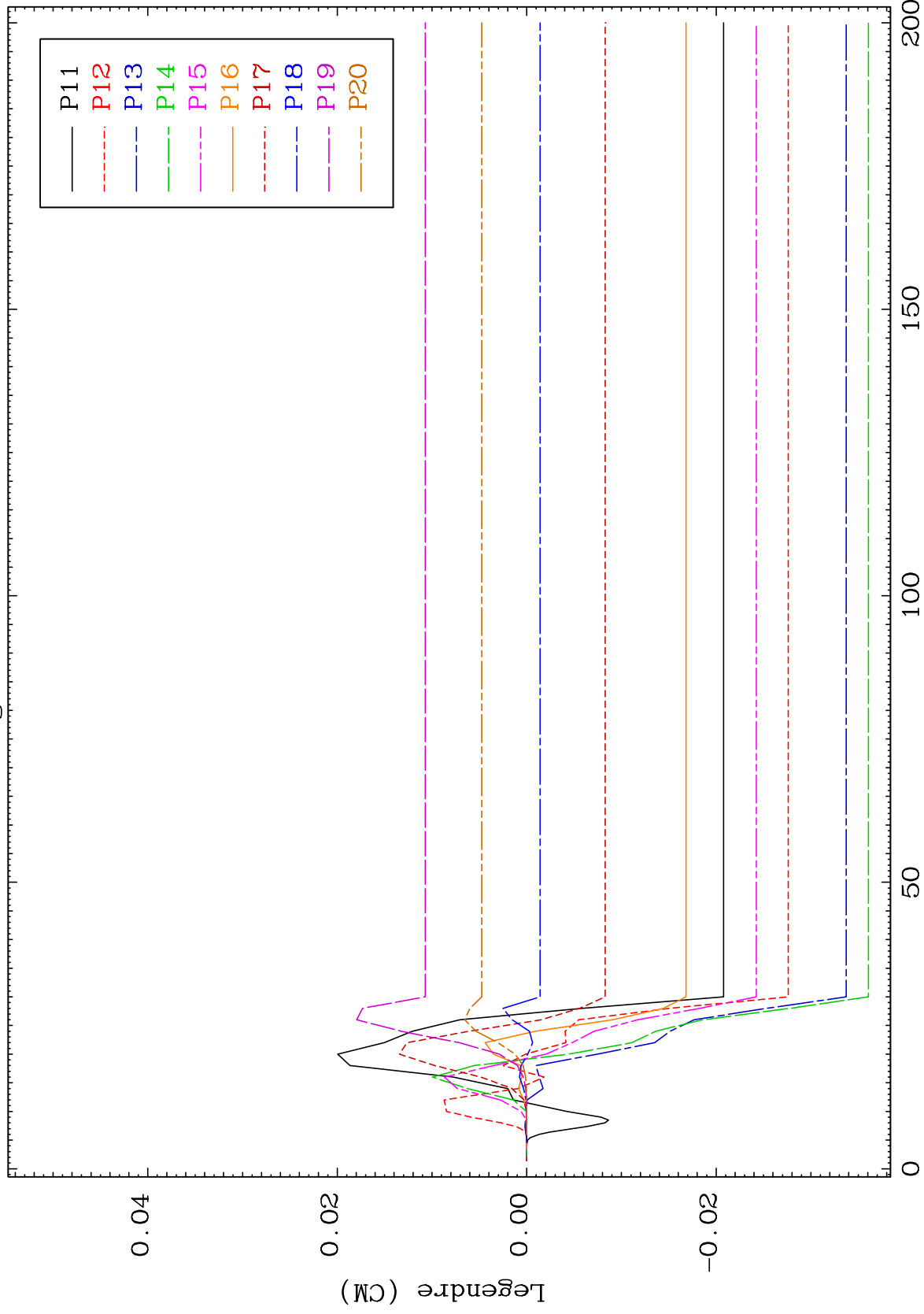


52

MAT 8028

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

80-Hg-197



53

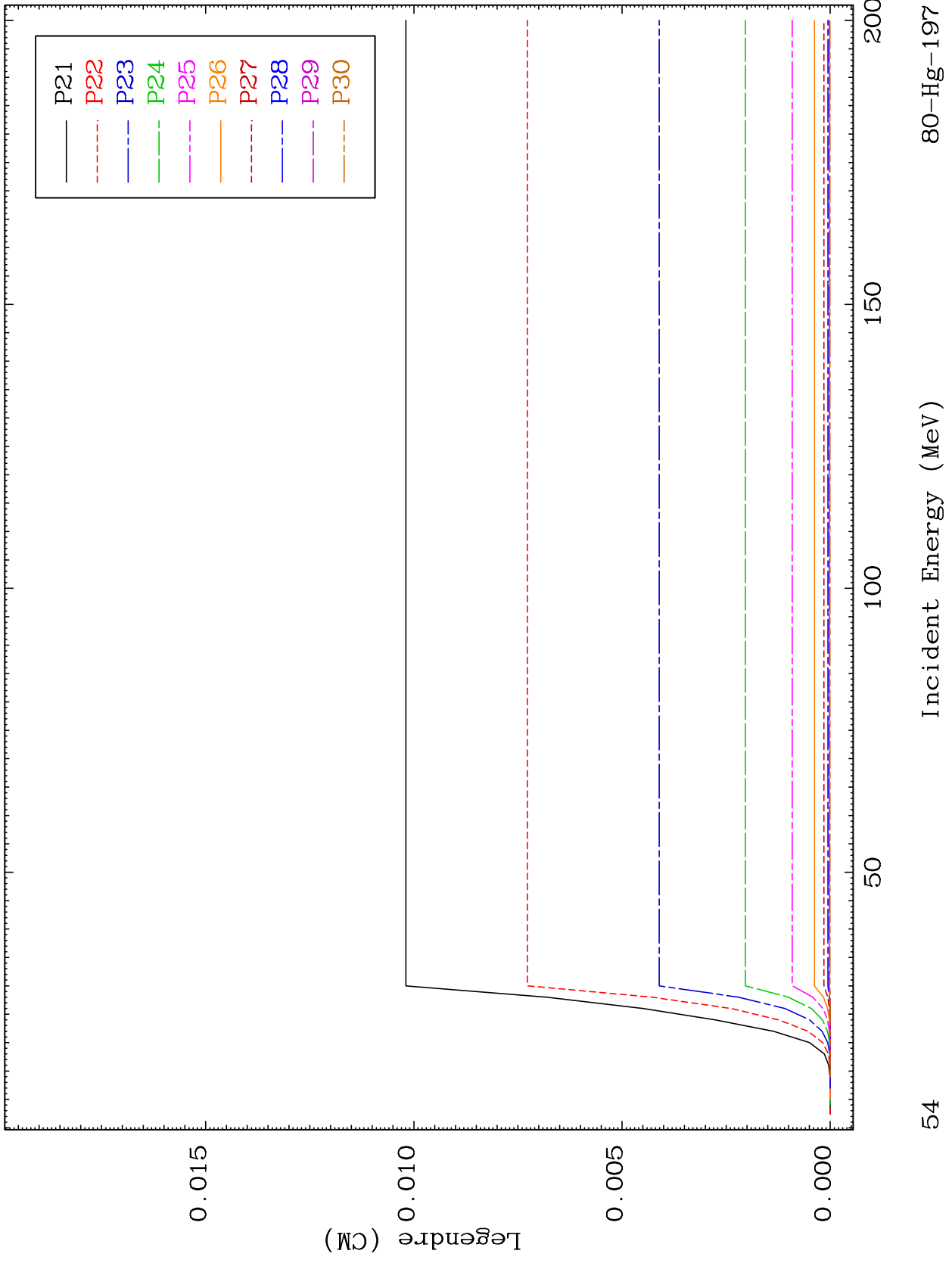
Incident Energy (MeV)

80-Hg-197

MAT 8028

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

80-Hg-197



54

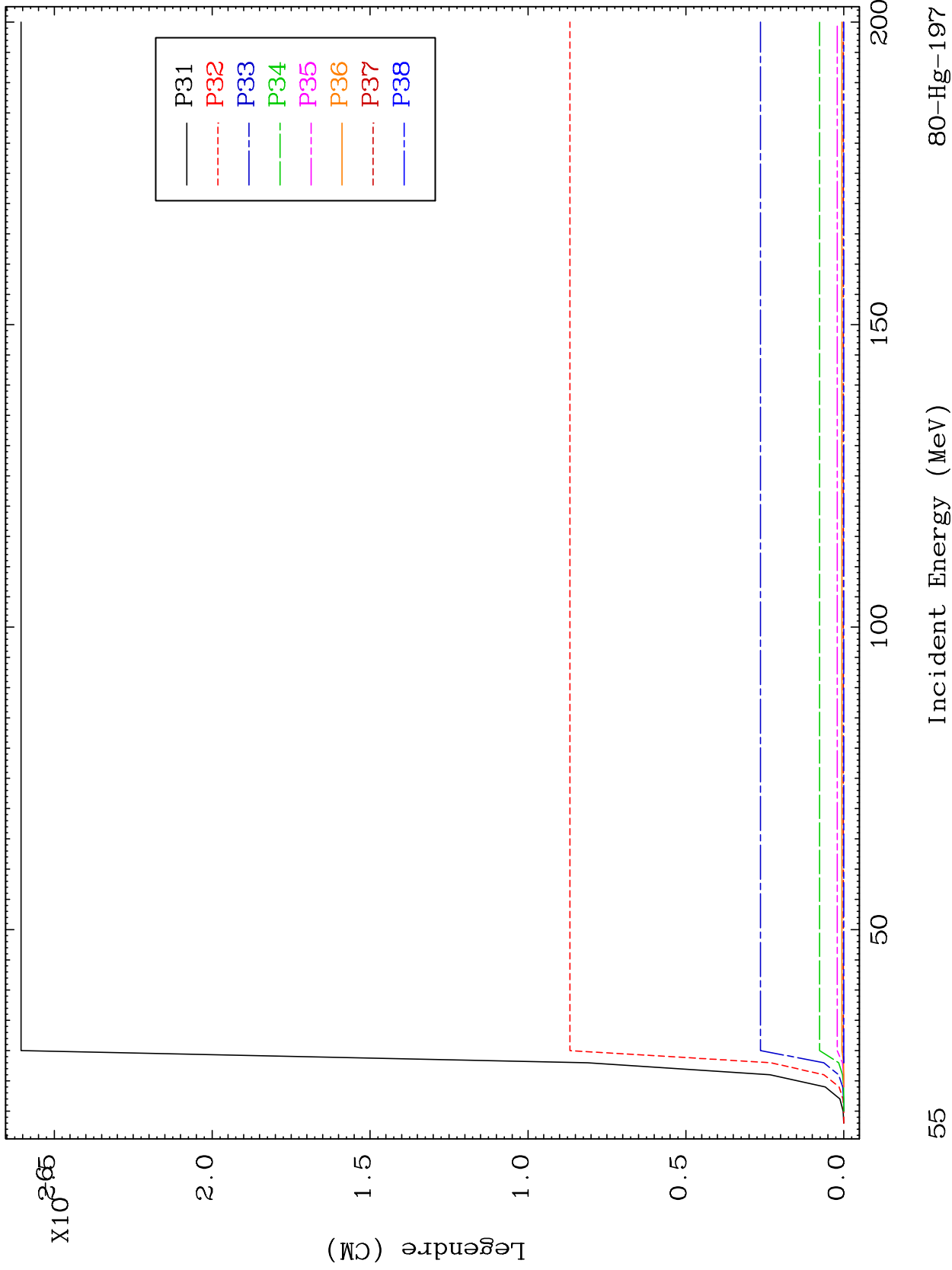
Incident Energy (MeV)

80-Hg-197

MAT 8028

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

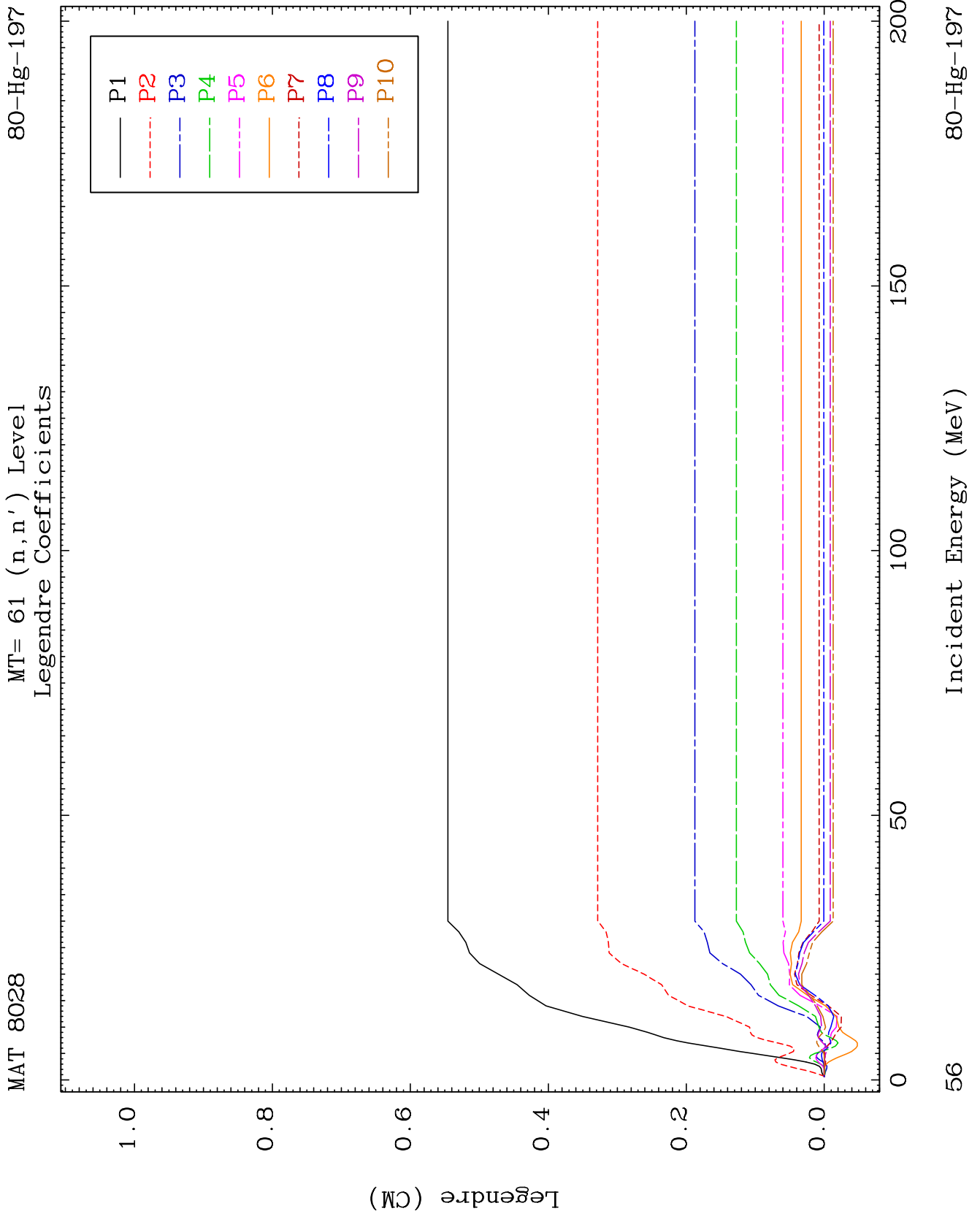
80-Hg-197



55

Incident Energy (MeV)

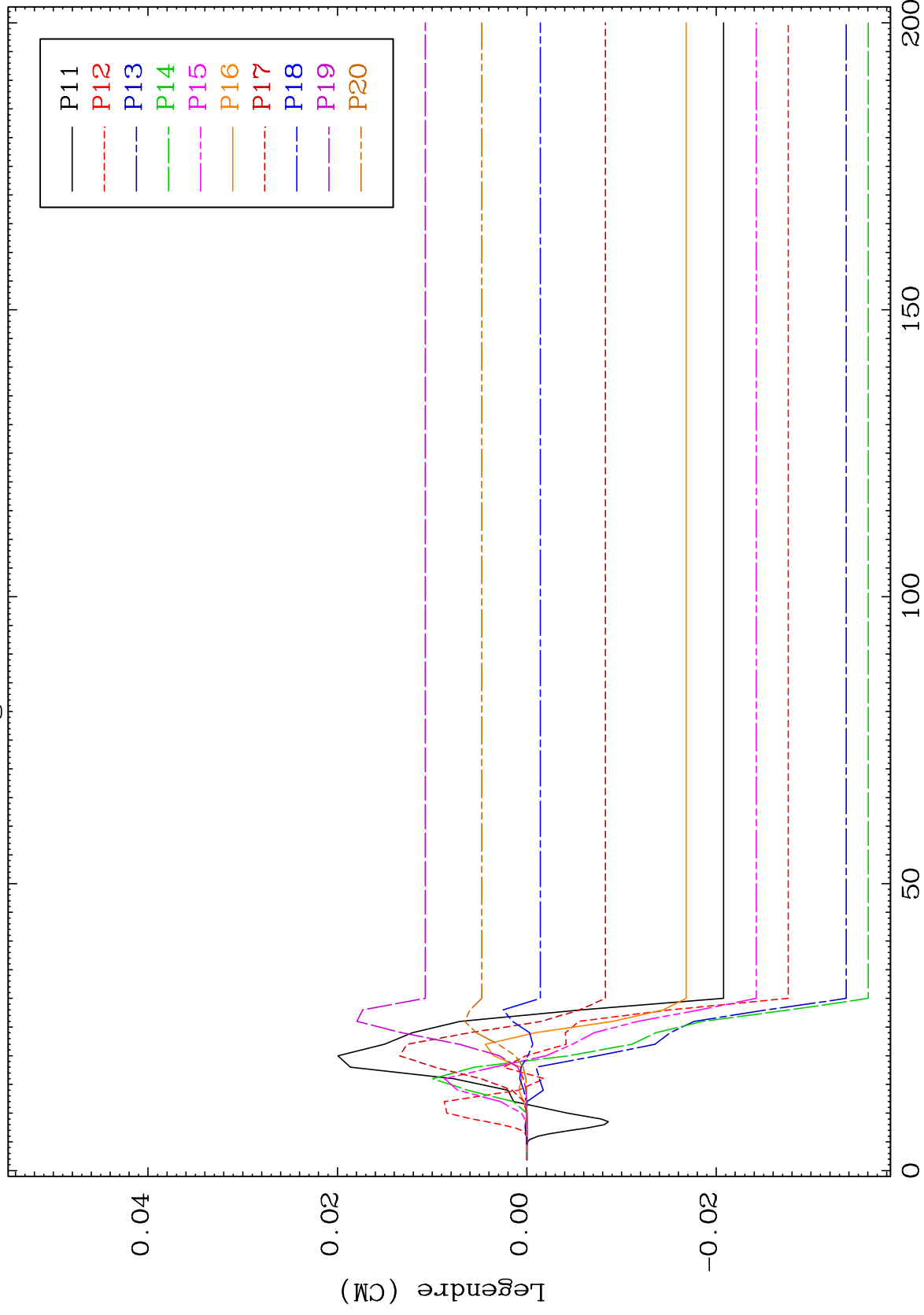
80-Hg-197



MAT 8028

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

80-Hg-197



57

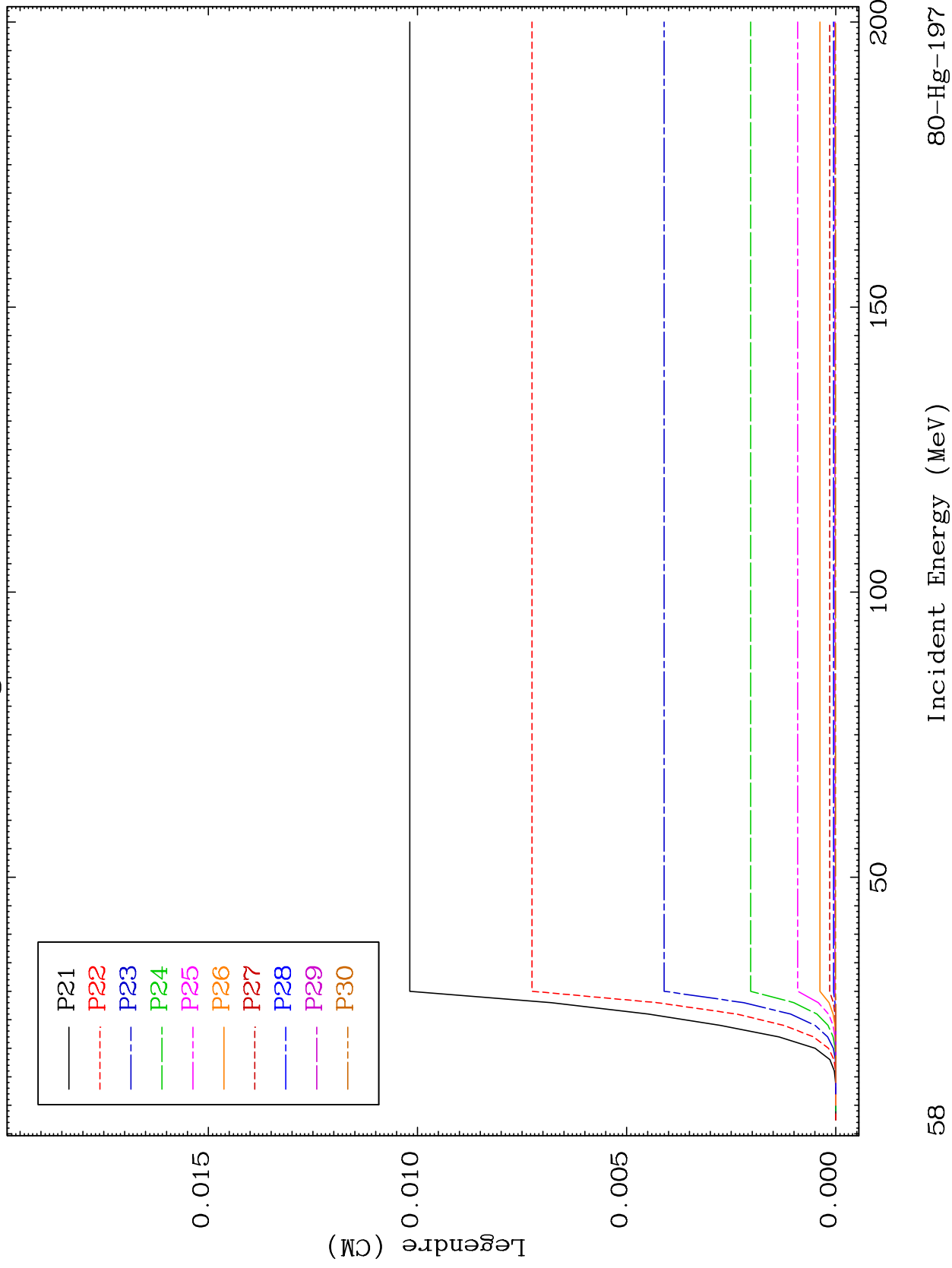
Incident Energy (MeV)

80-Hg-197

MAT 8028

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

80-Hg-197



58

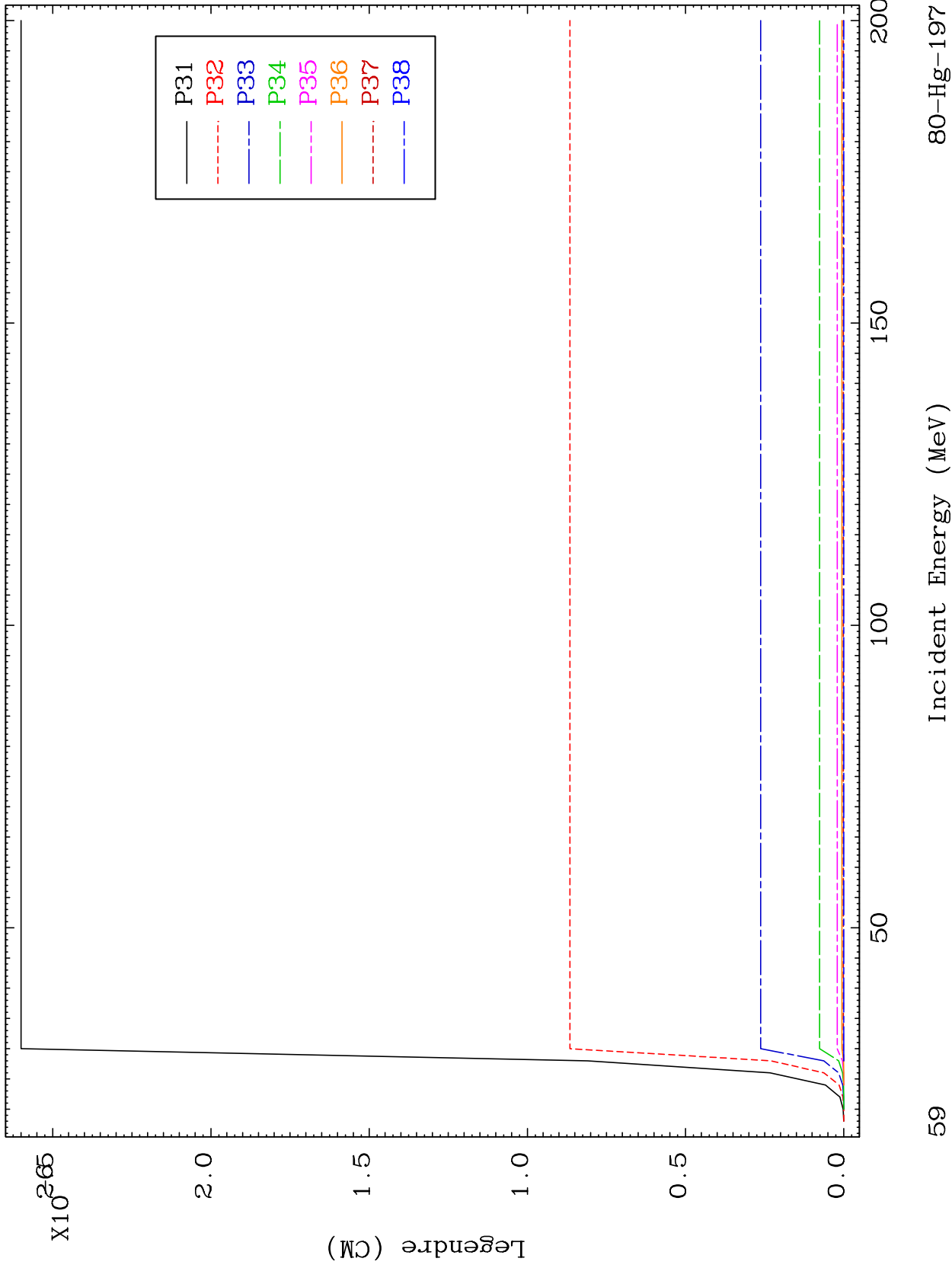
Incident Energy (MeV)

80-Hg-197

MAT 8028

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

80-Hg-197



59

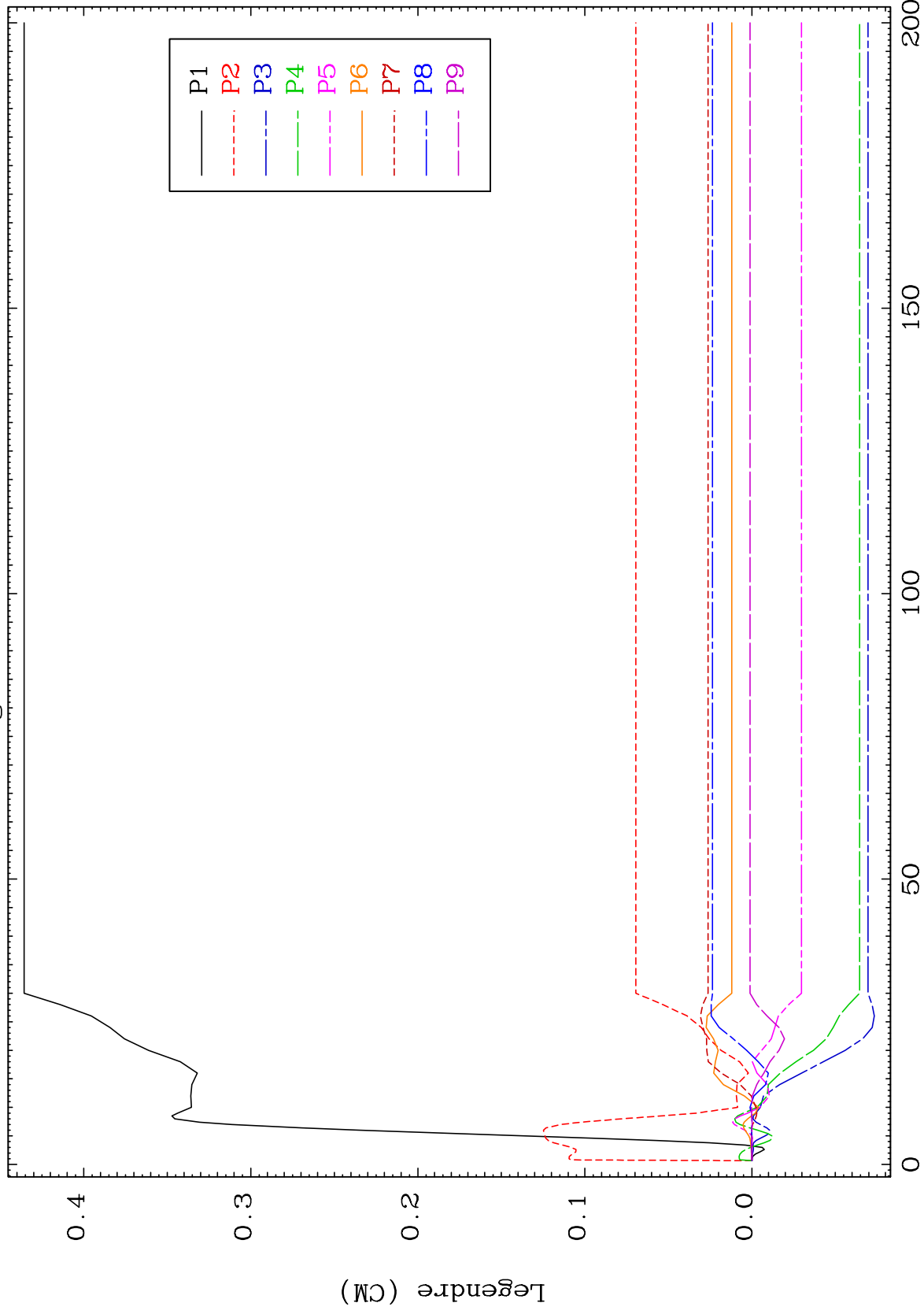
Incident Energy (MeV)

80-Hg-197

MAT 8028

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

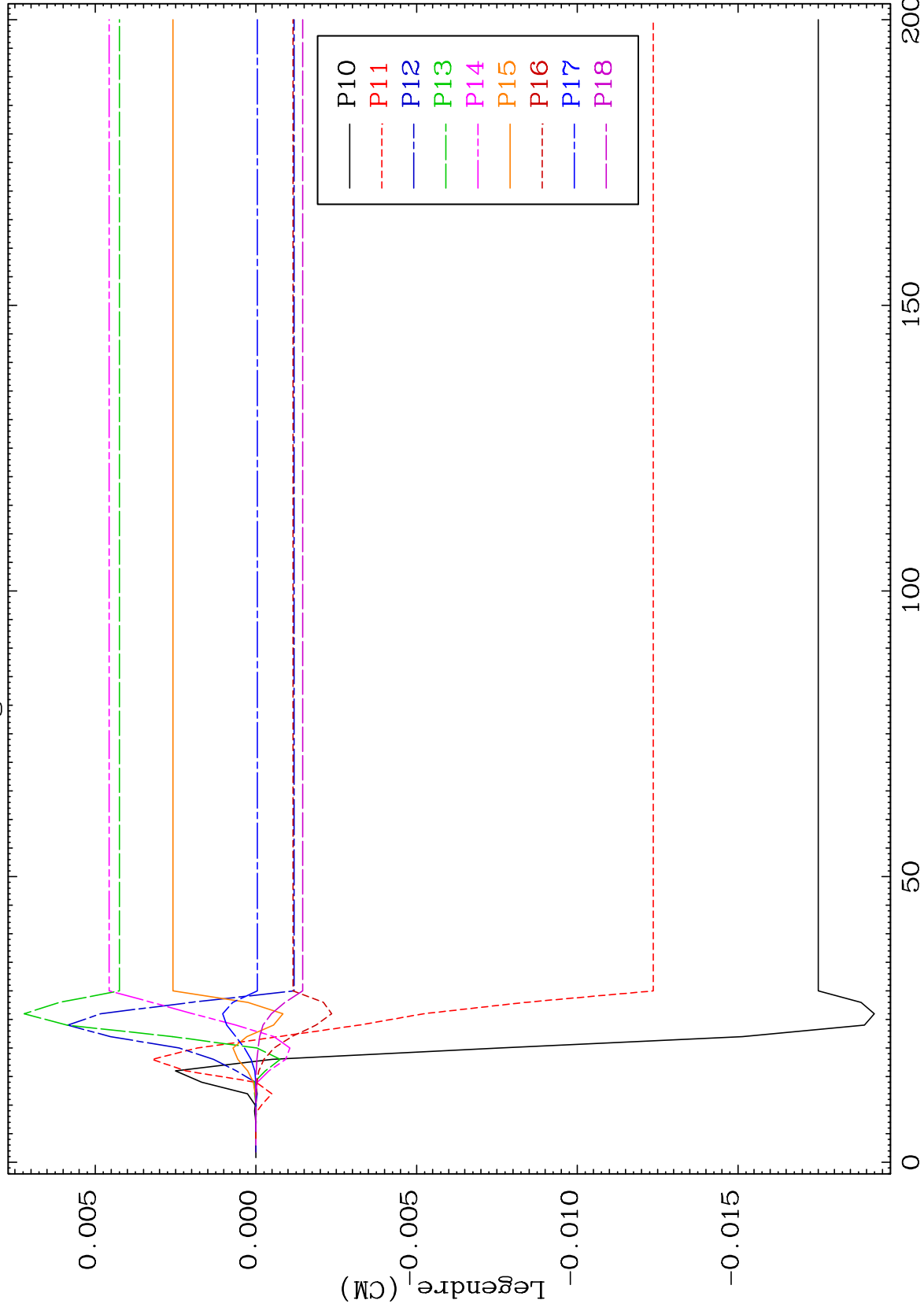
80-Hg-197



MAT 8028

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

80-Hg-197



61

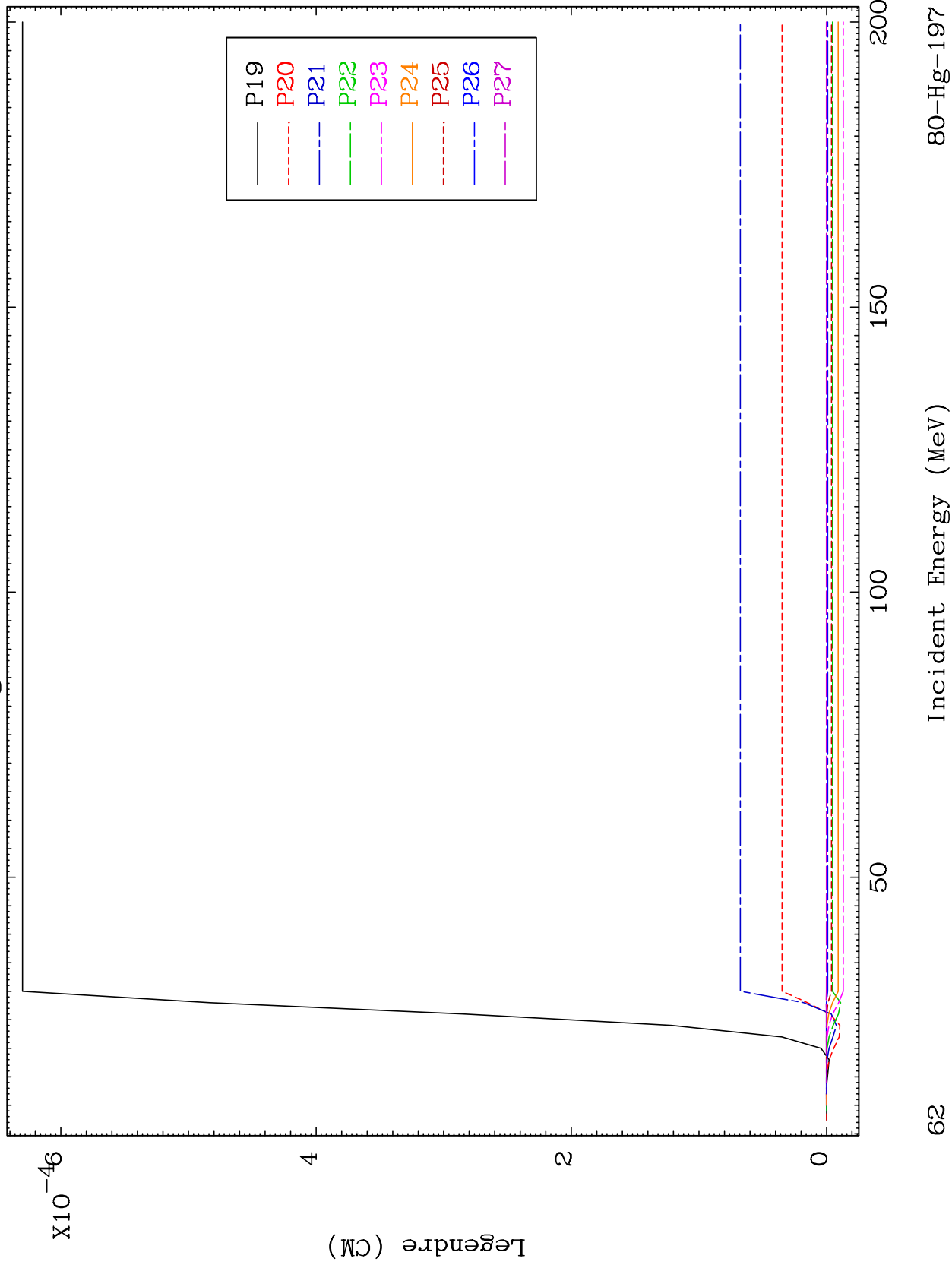
Incident Energy (MeV)

80-Hg-197

MAT 8028

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

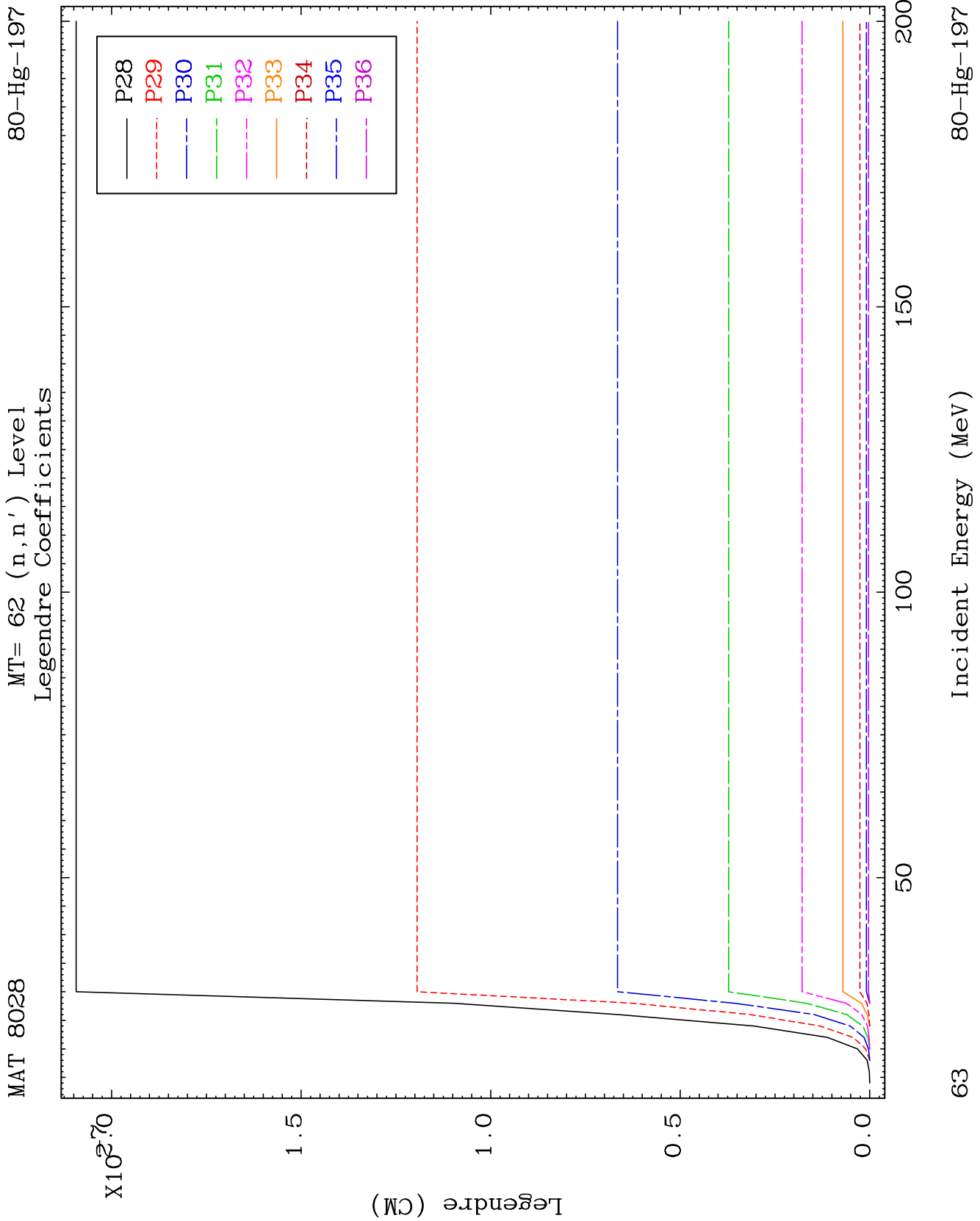
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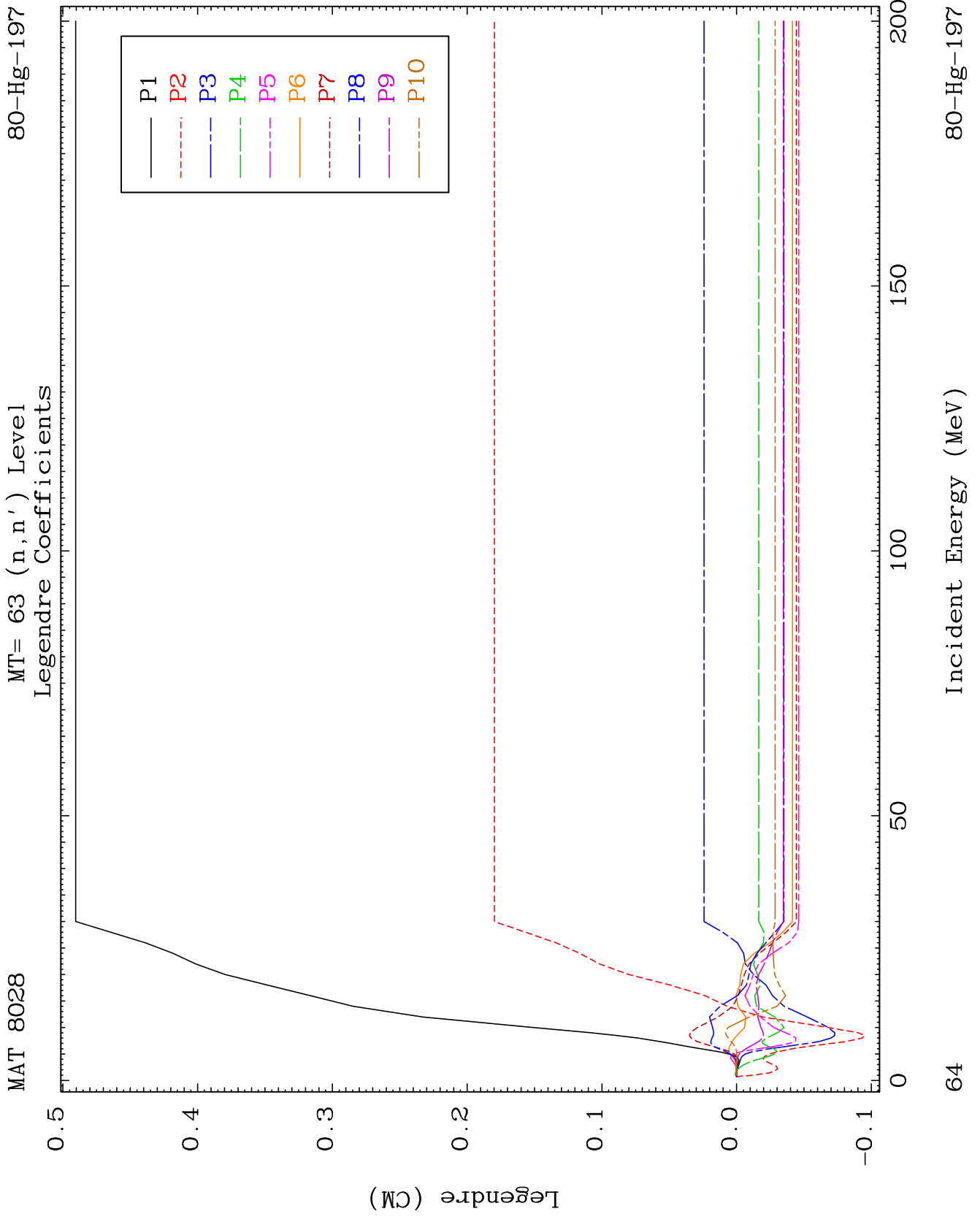


62

Incident Energy (MeV)

80-Hg-197

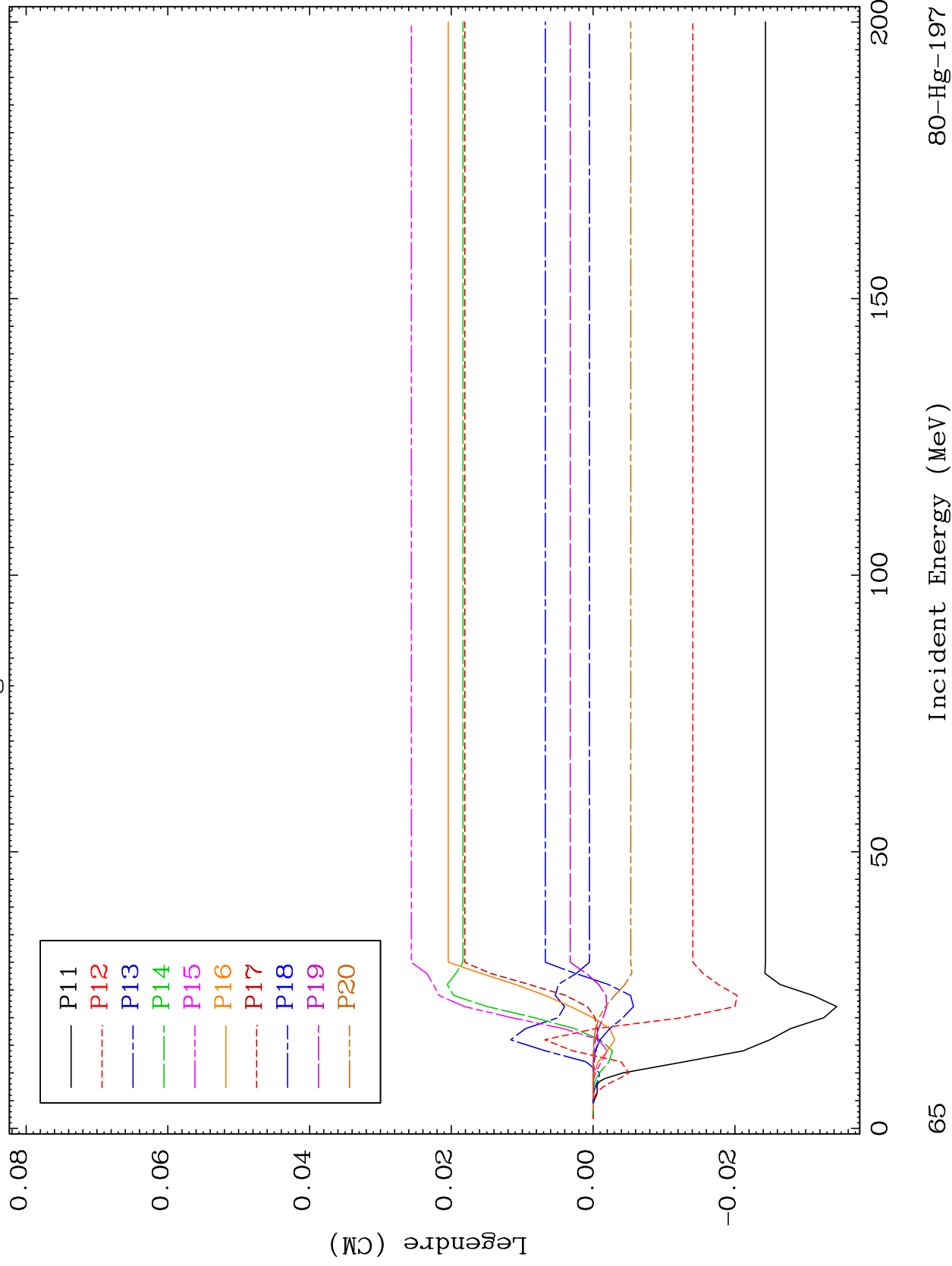




MAT 8028

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

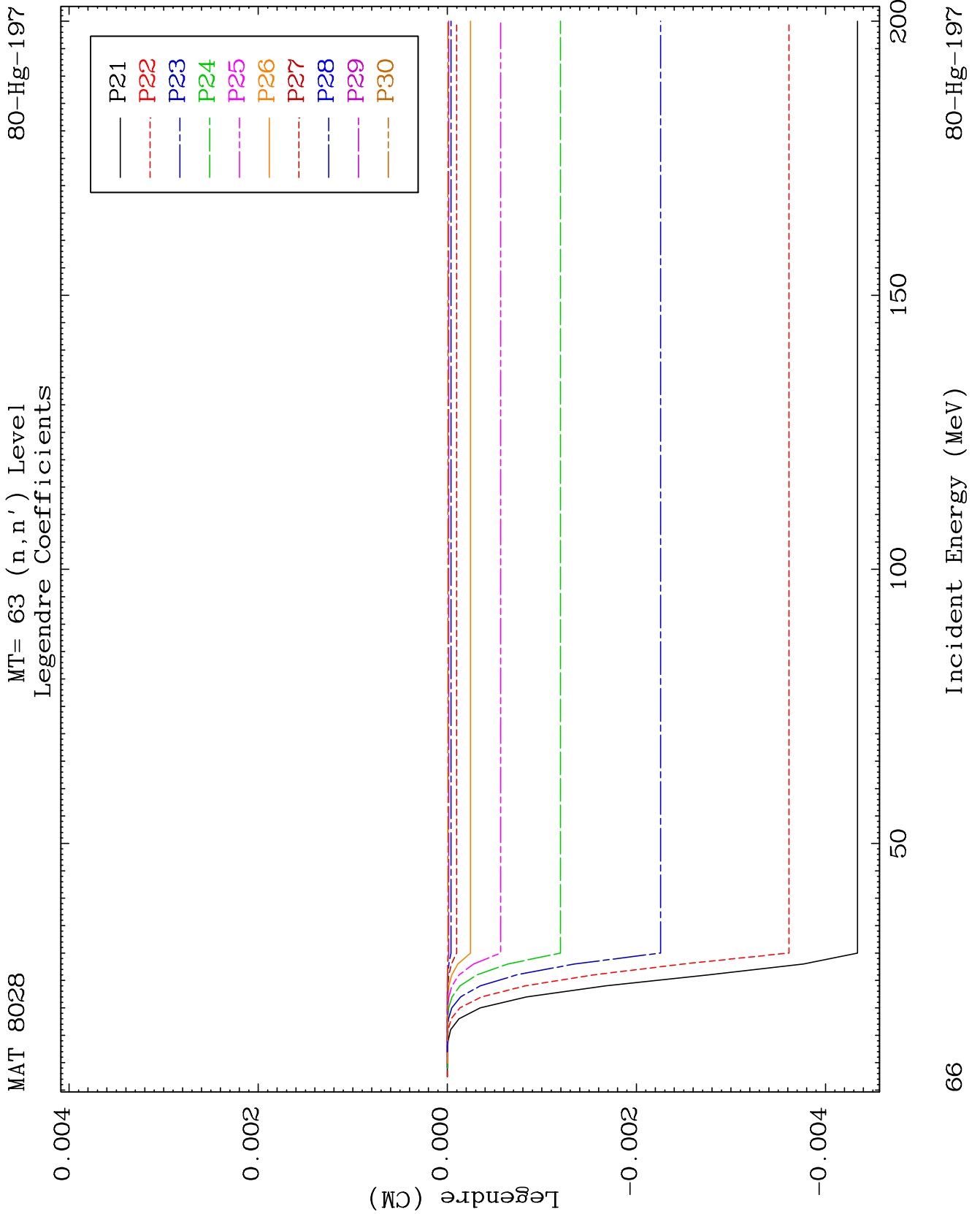
80-Hg-197



80-Hg-197

Incident Energy (MeV)

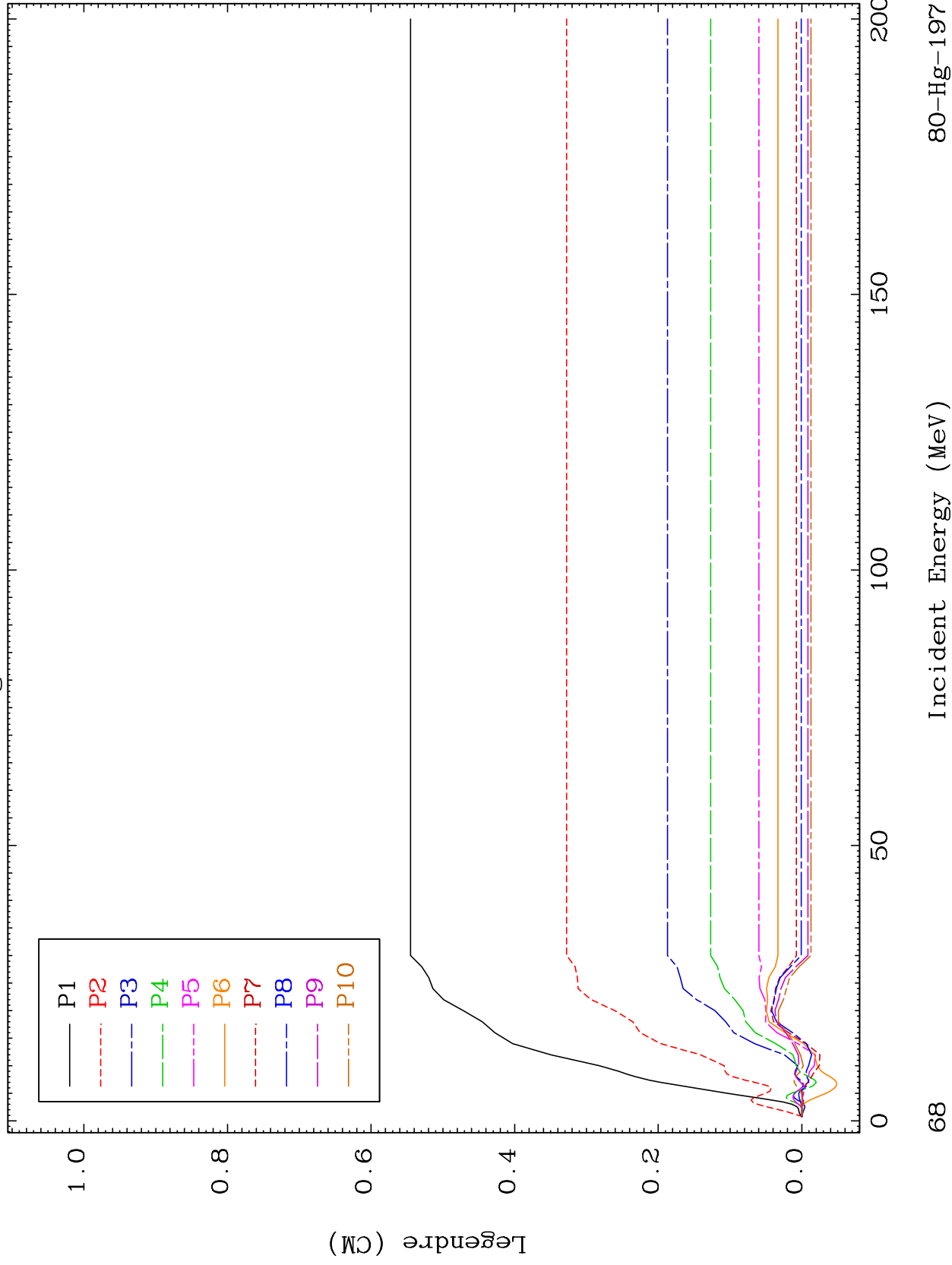
65



MAT 8028

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

80-Hg-197

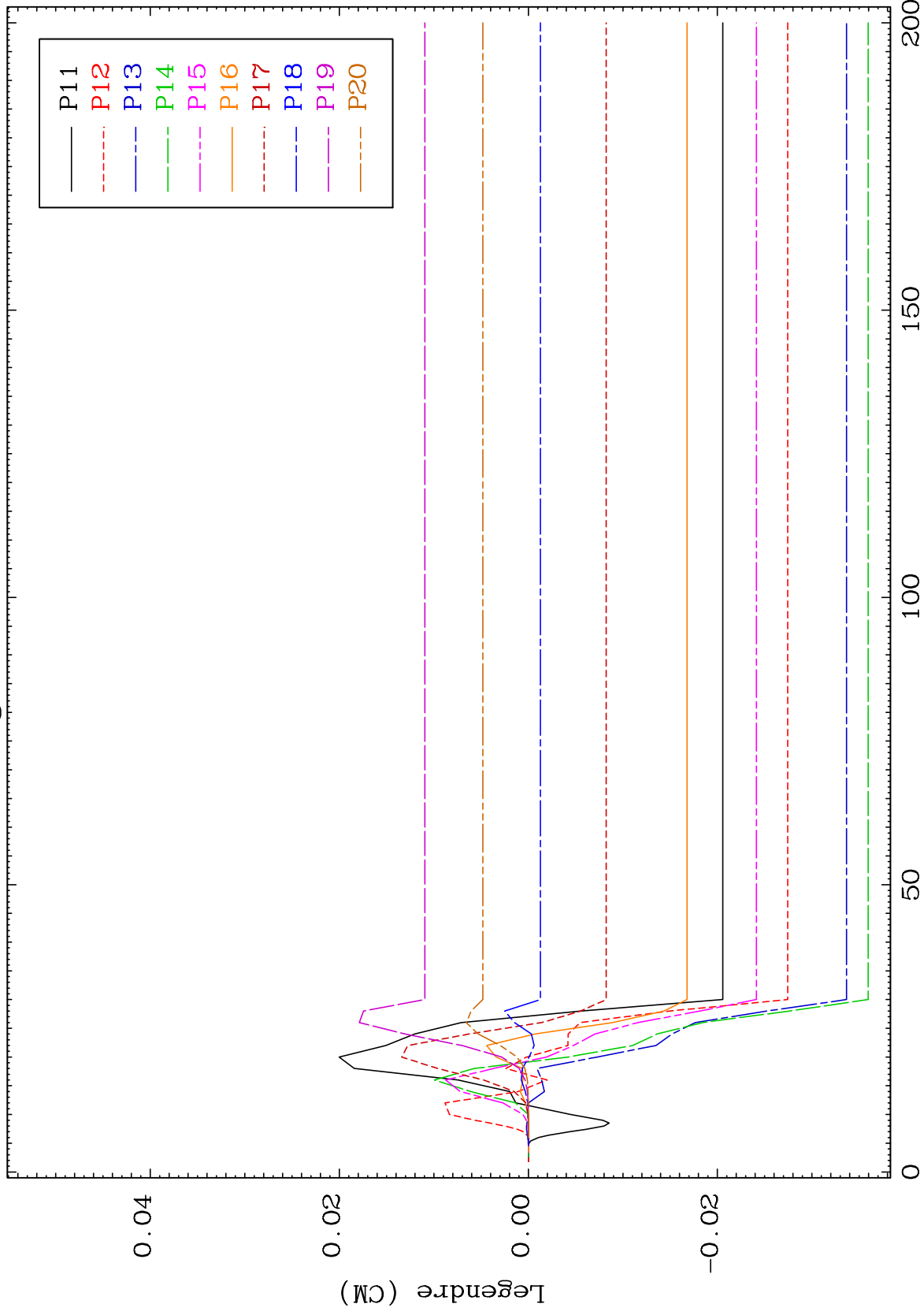


68

MAT 8028

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

80-Hg-197



69

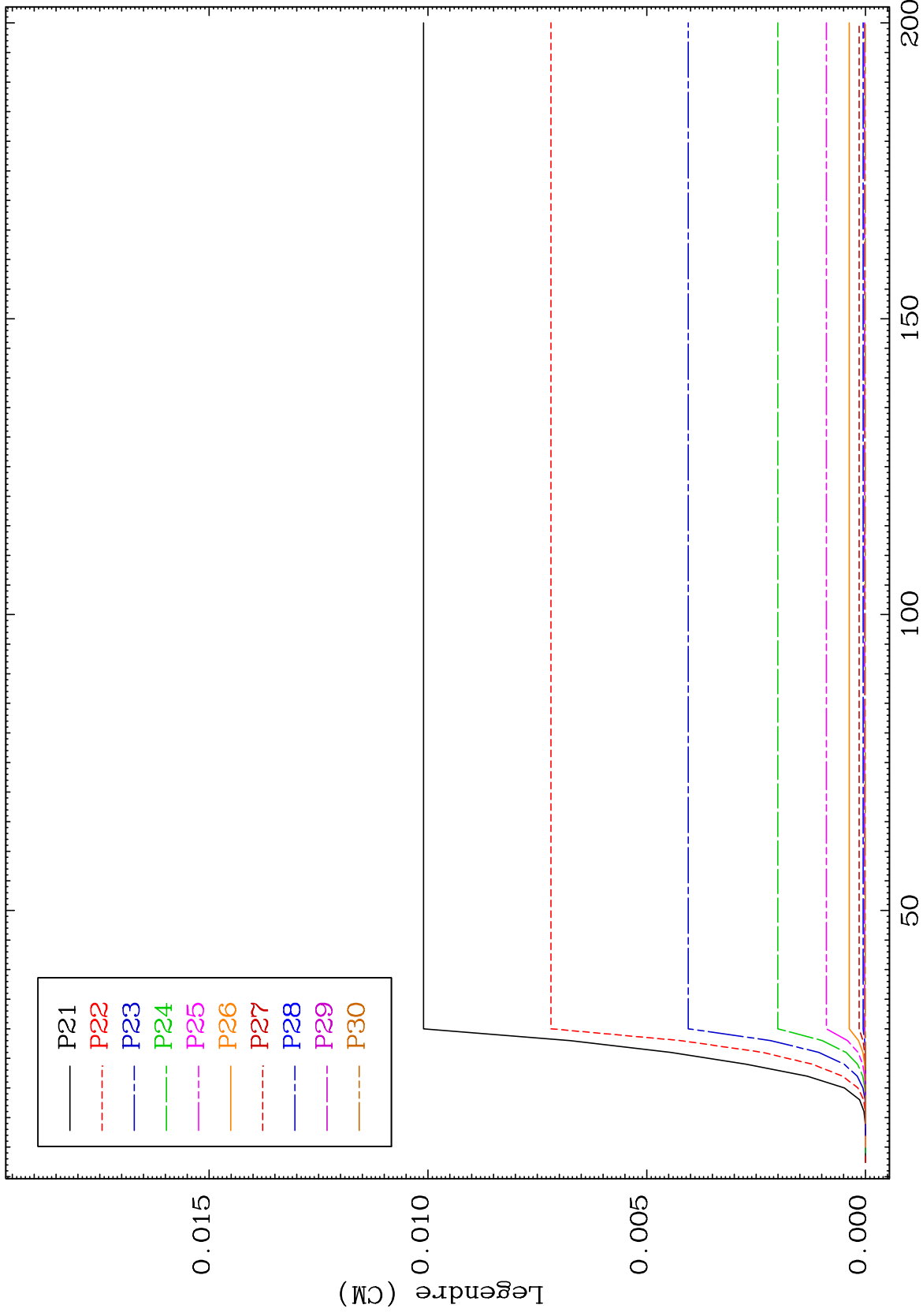
Incident Energy (MeV)

80-Hg-197

MAT 8028

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

80-Hg-197



70

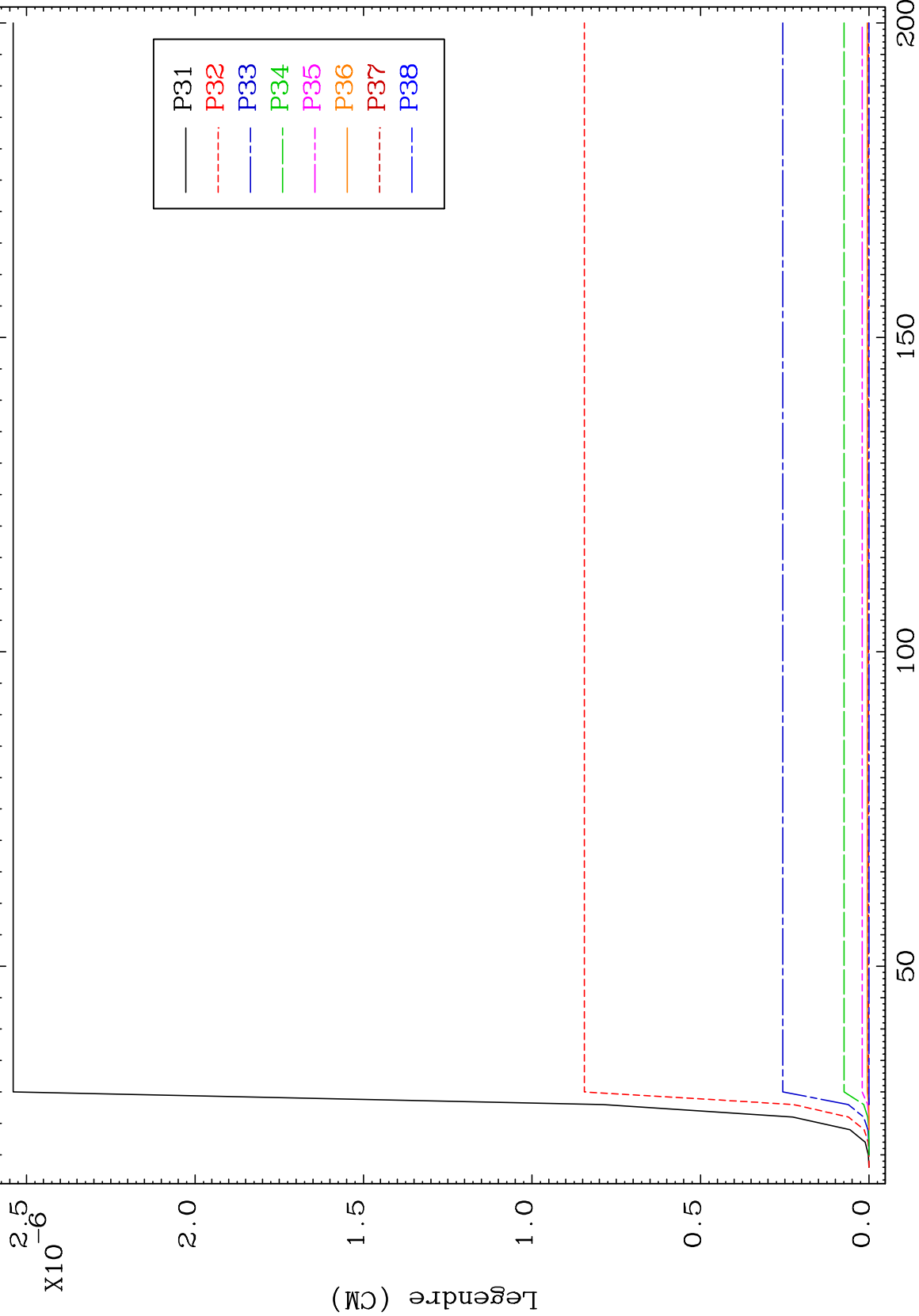
Incident Energy (MeV)

80-Hg-197

MAT 8028

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

80-Hg-197



71

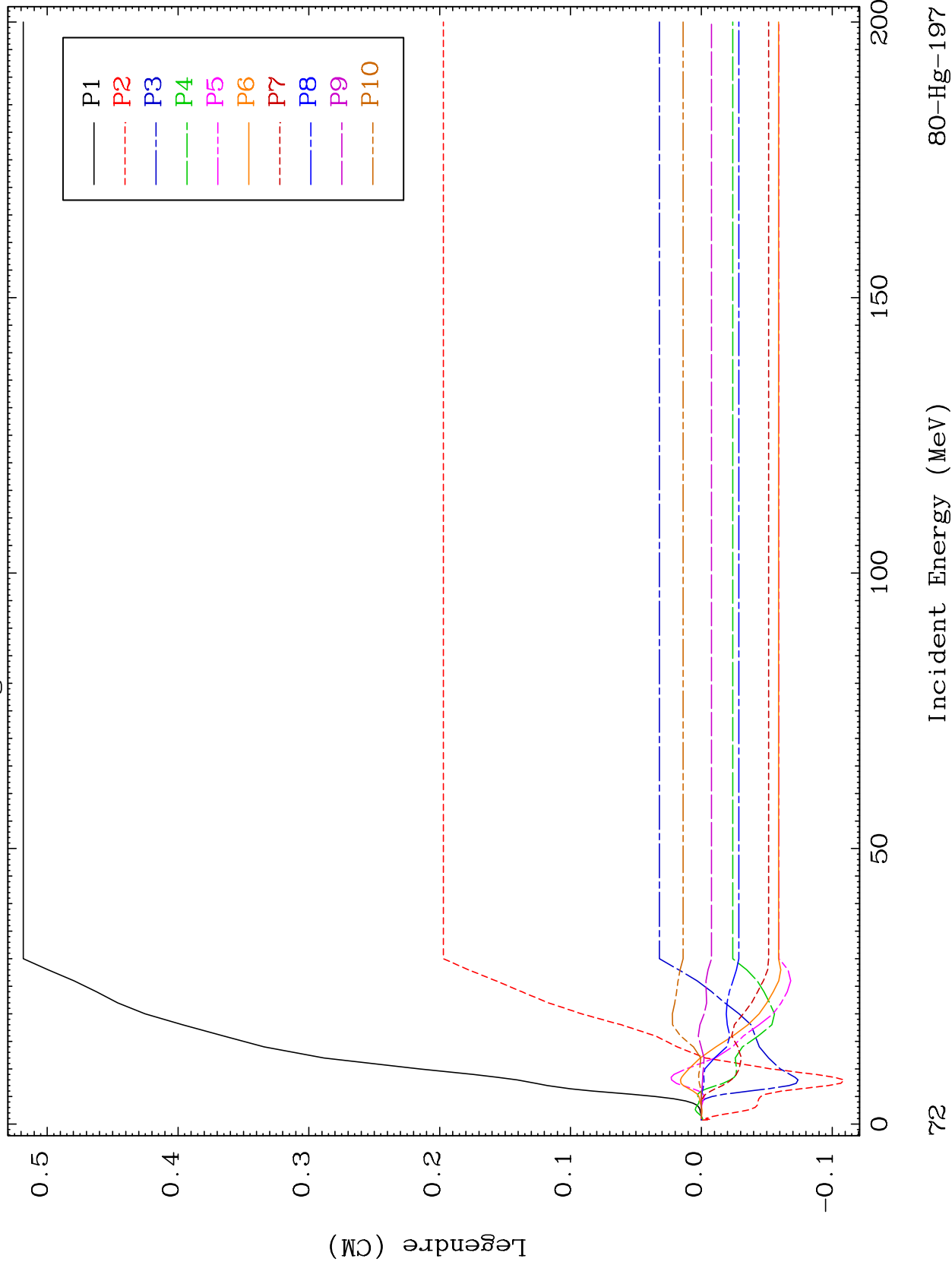
Incident Energy (MeV)

80-Hg-197

MAT 8028

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

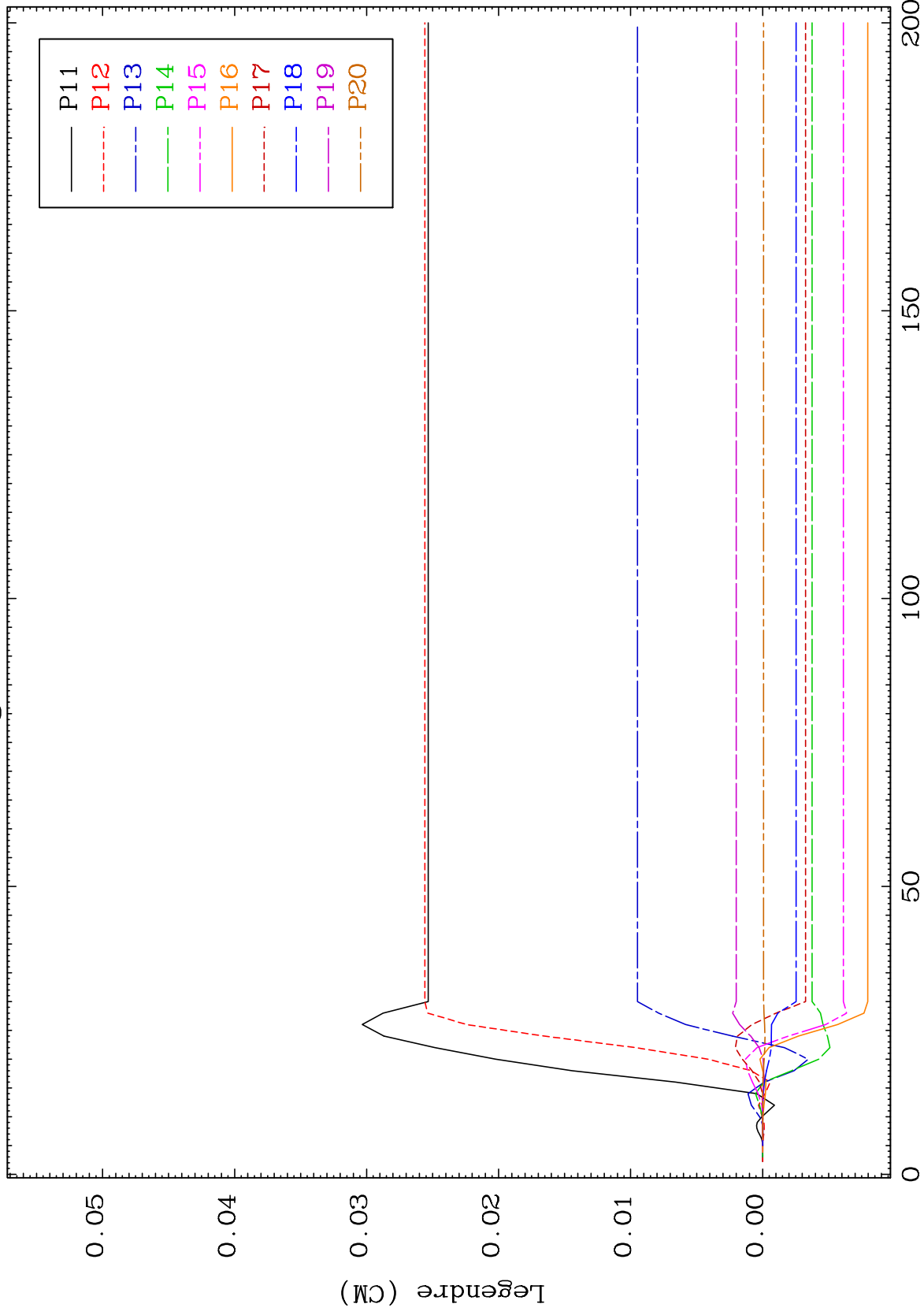
80-Hg-197



MAT 8028

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

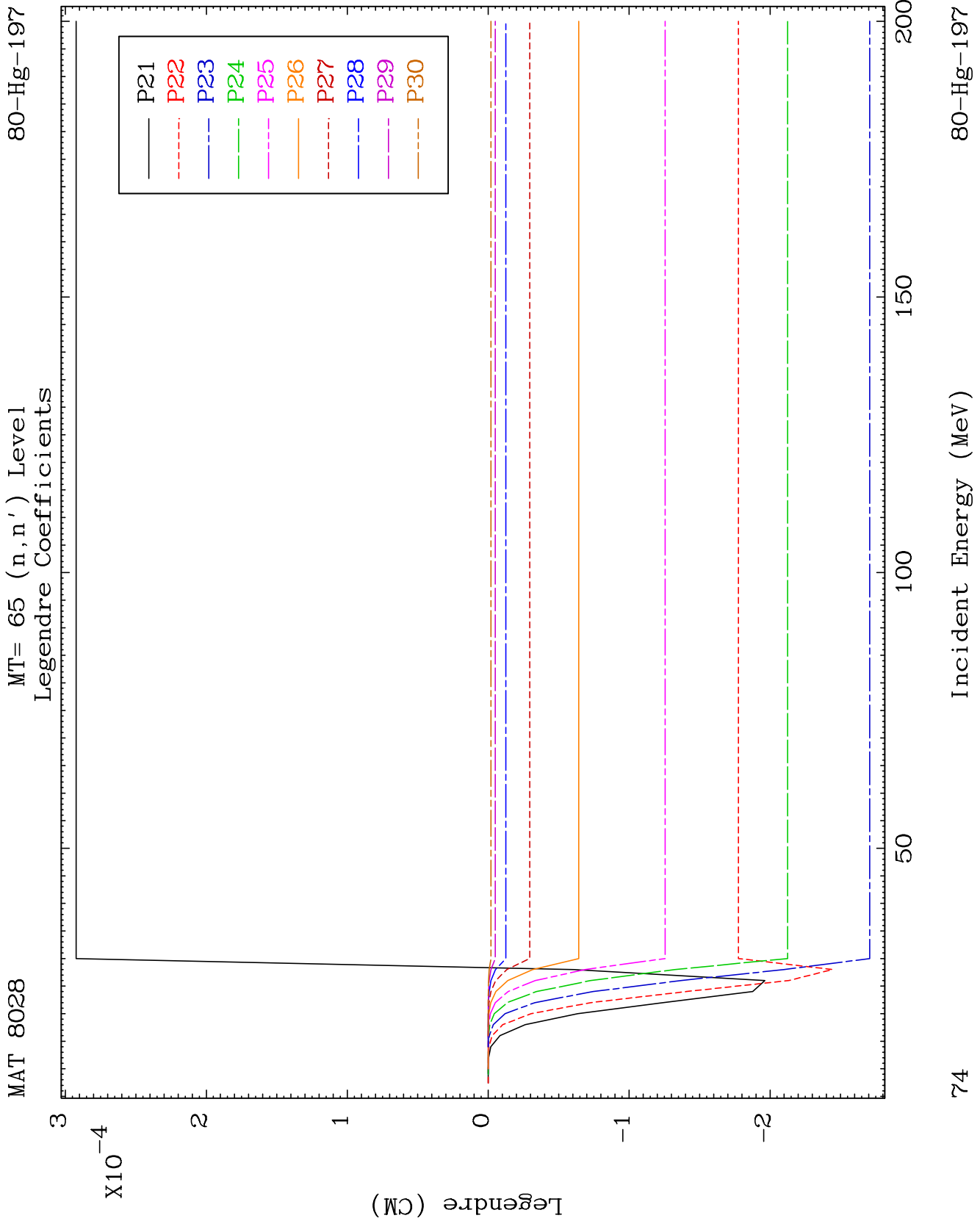
80-Hg-197

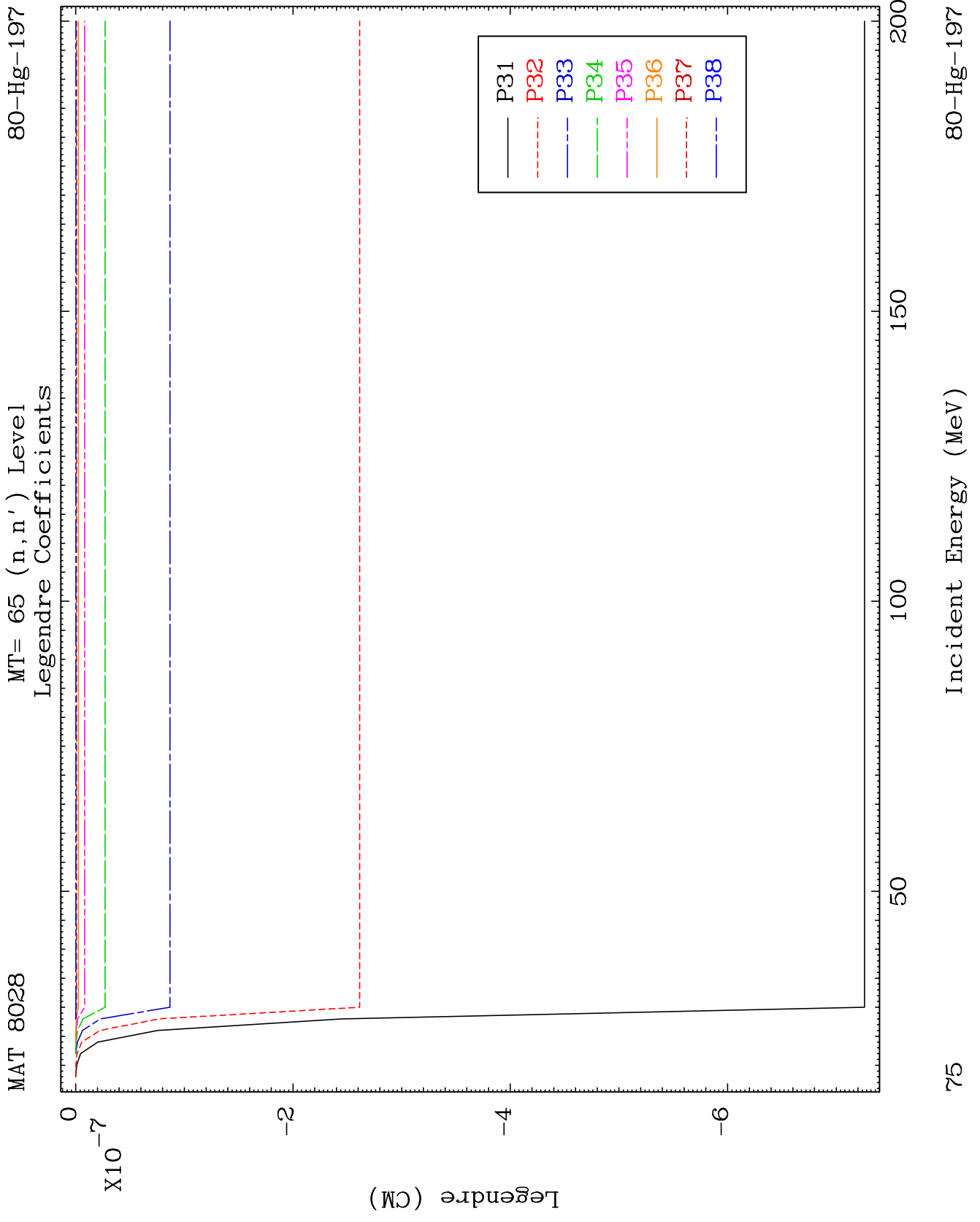


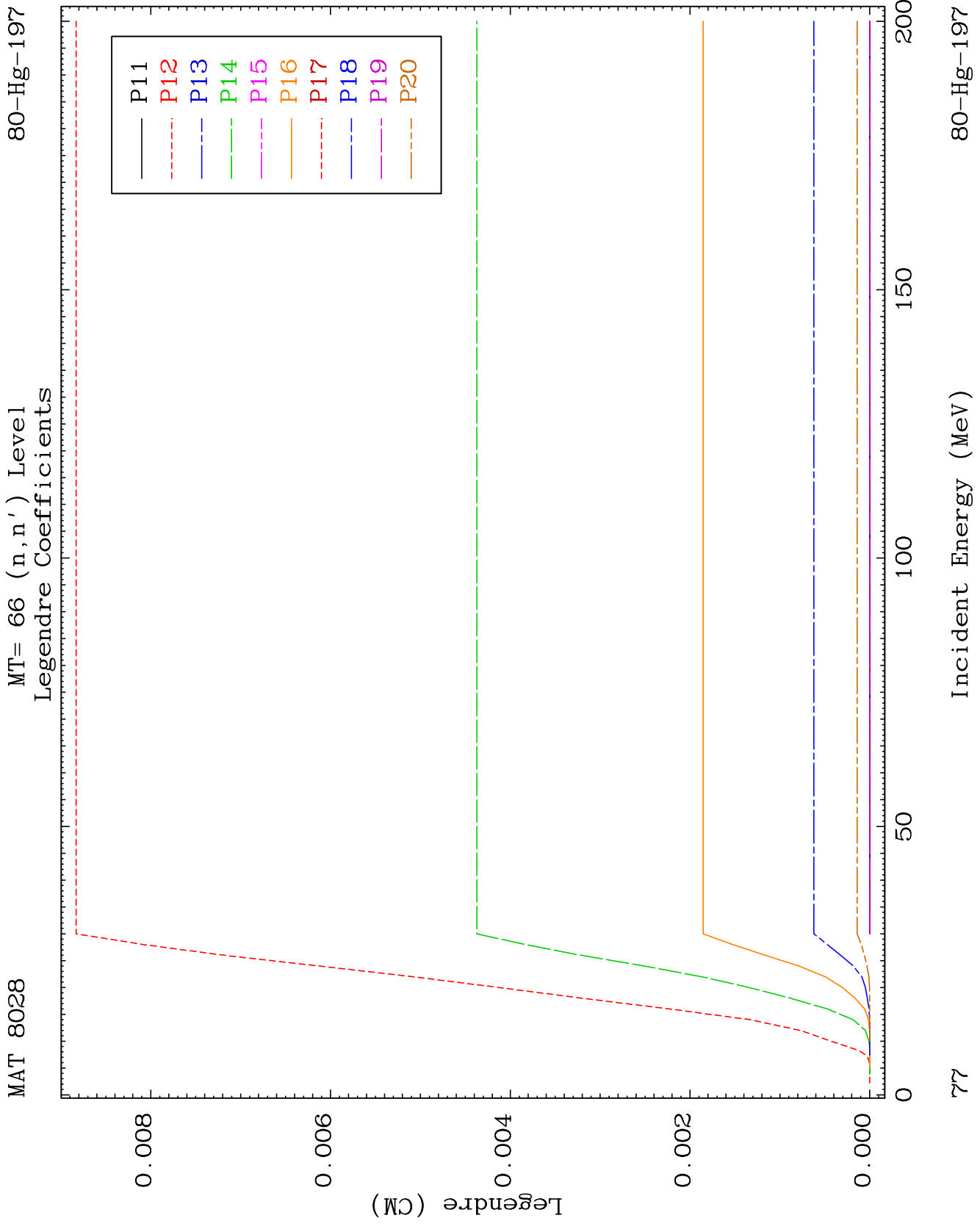
73

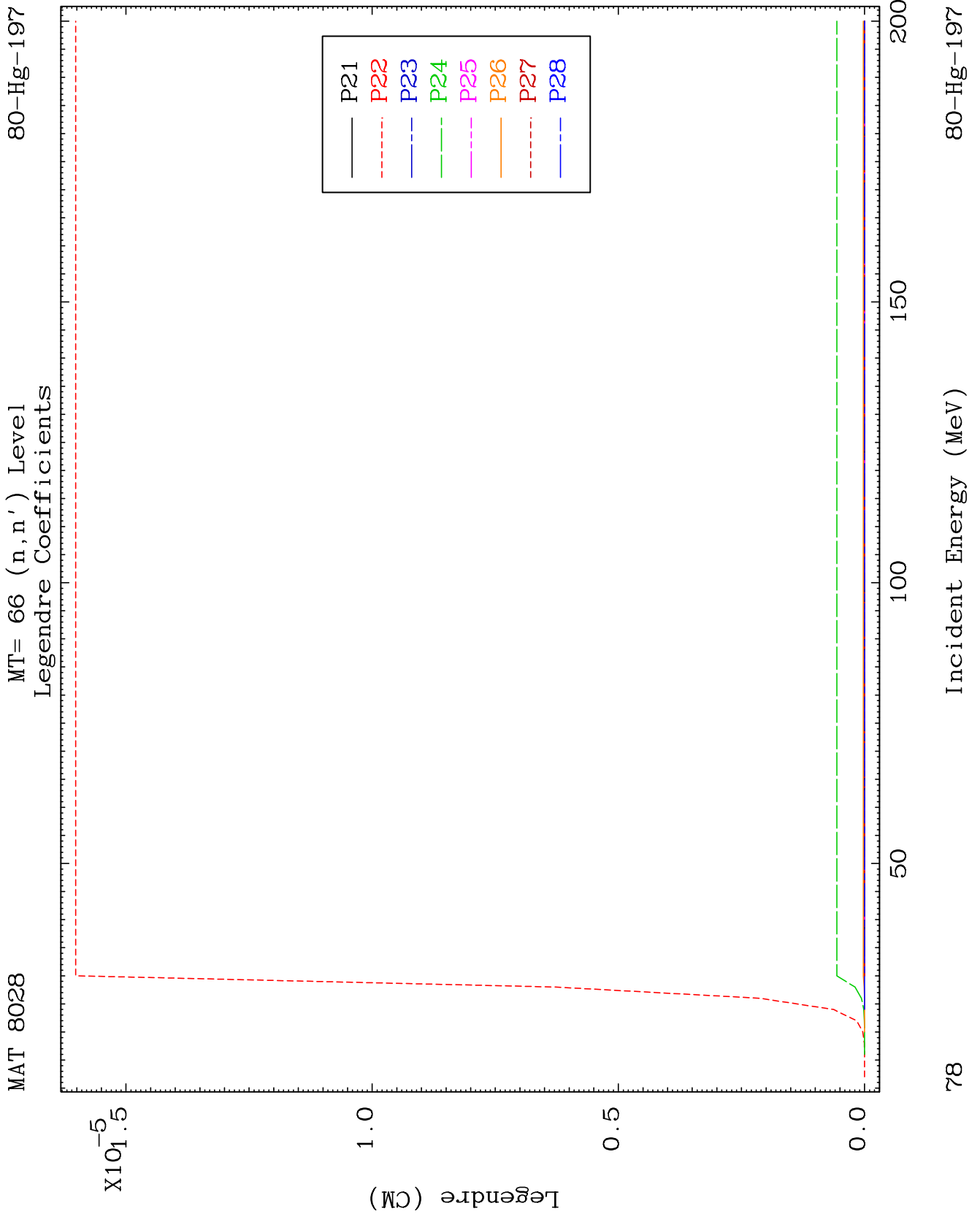
Incident Energy (MeV)

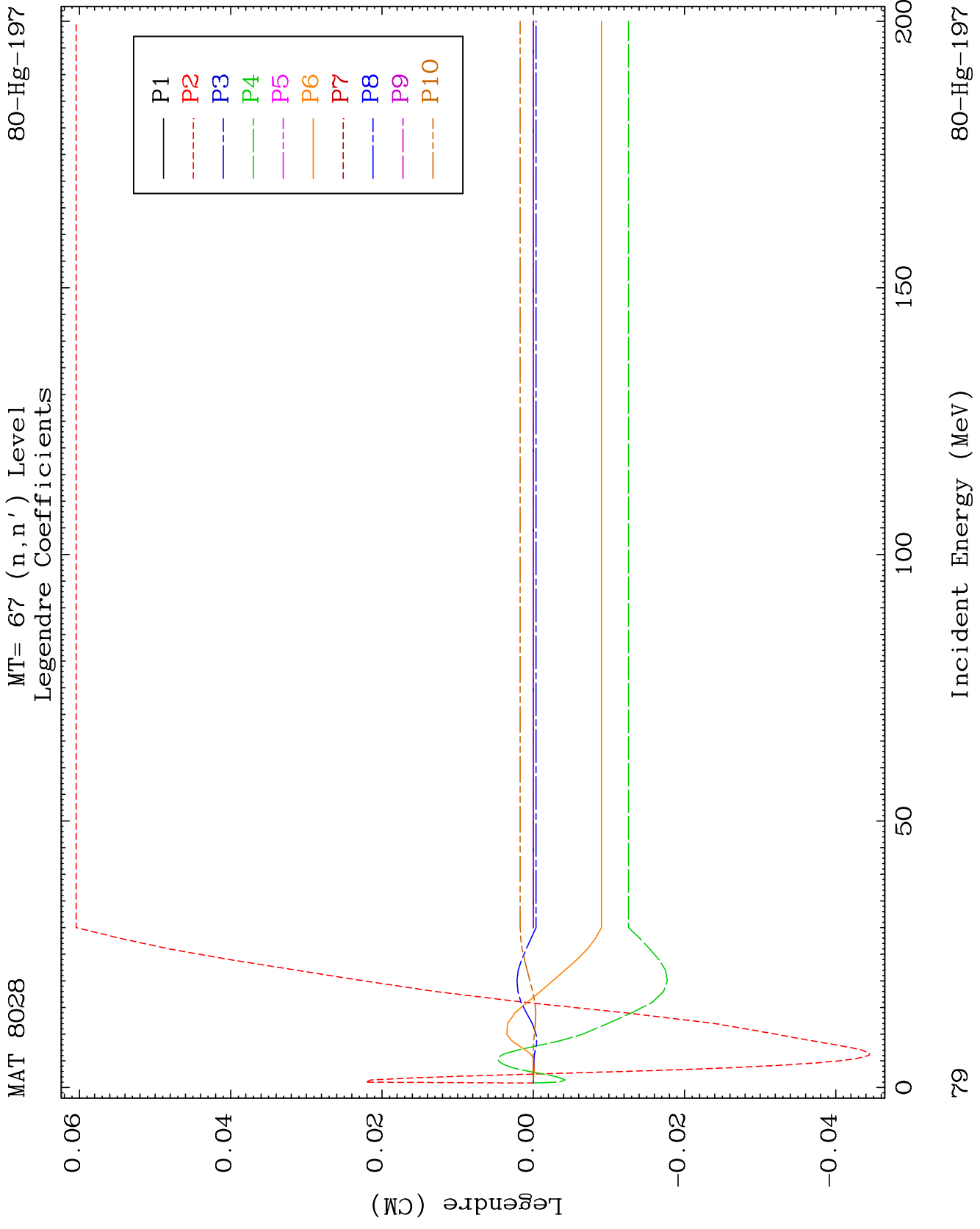
80-Hg-197







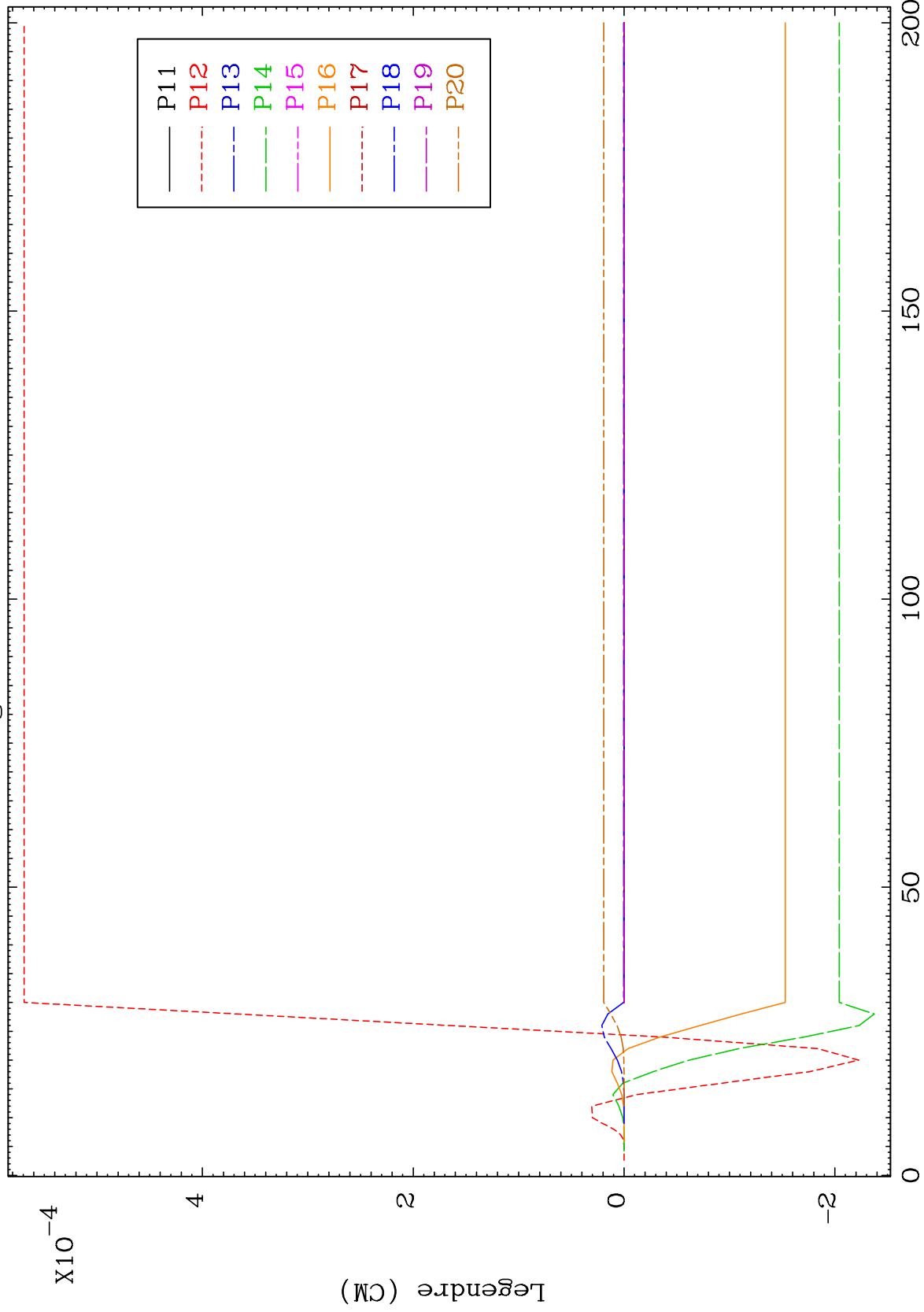




MAT 8028

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

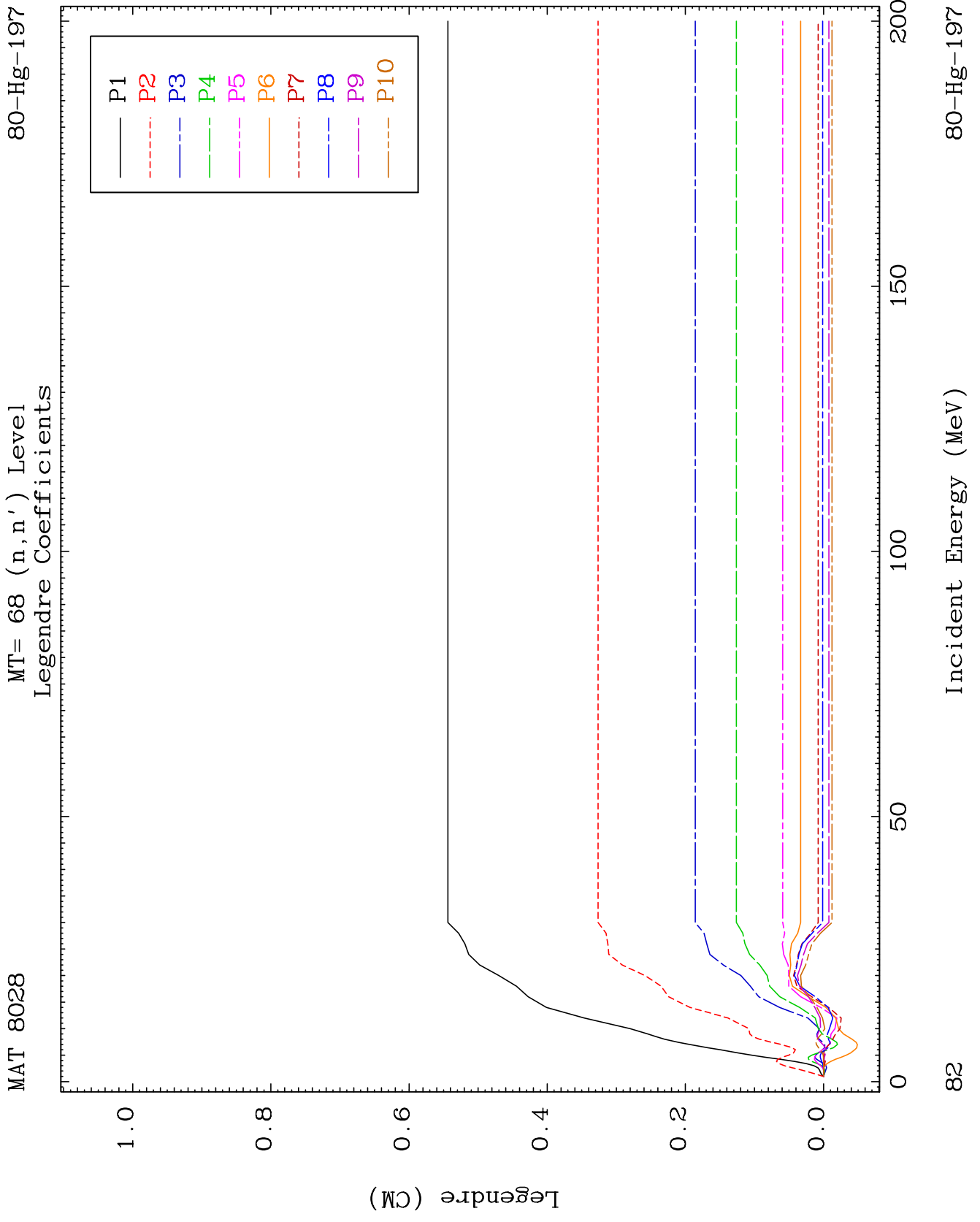
80-Hg-197



80

Incident Energy (MeV)

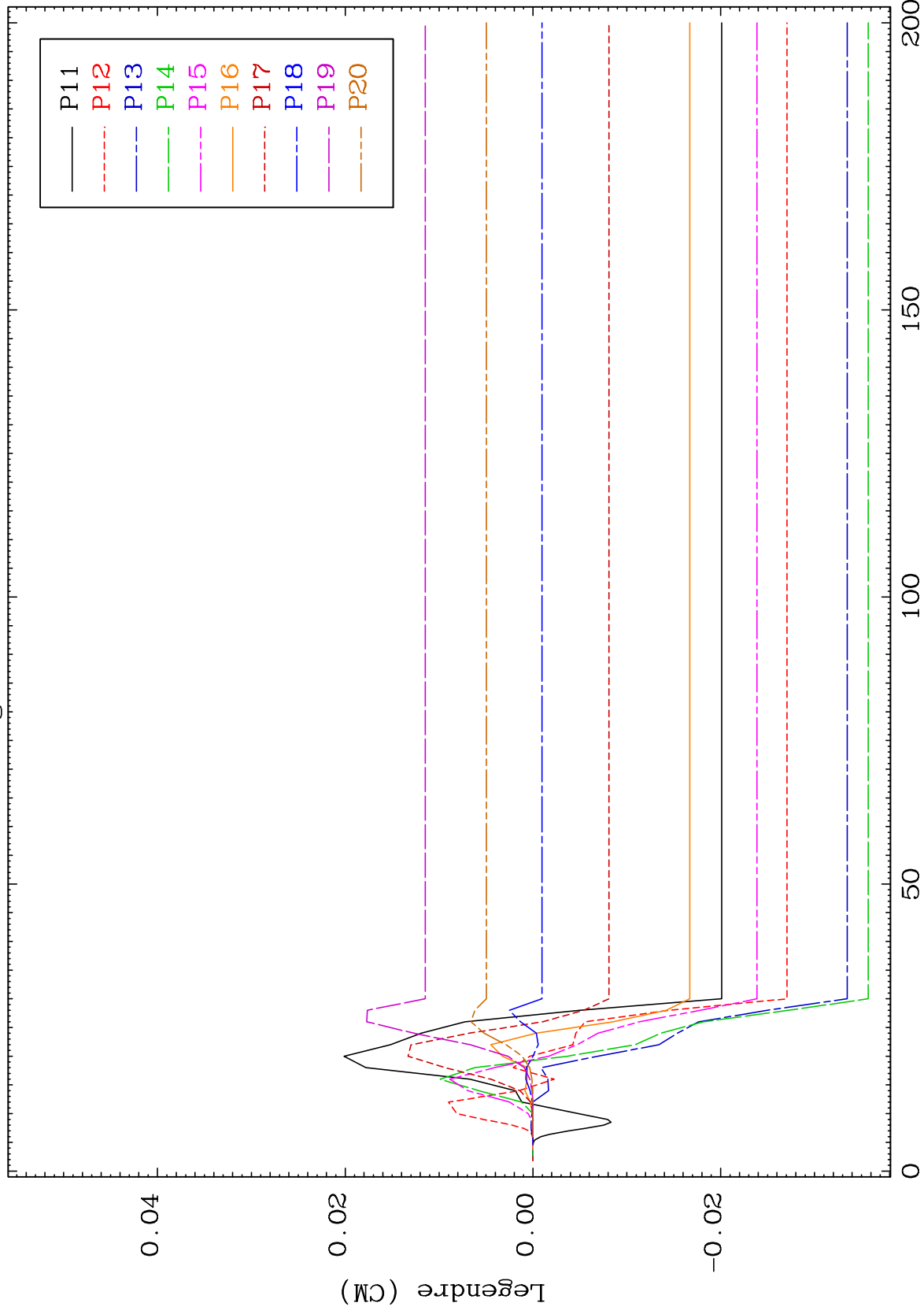
80-Hg-197



MAT 8028

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

80-Hg-197



83

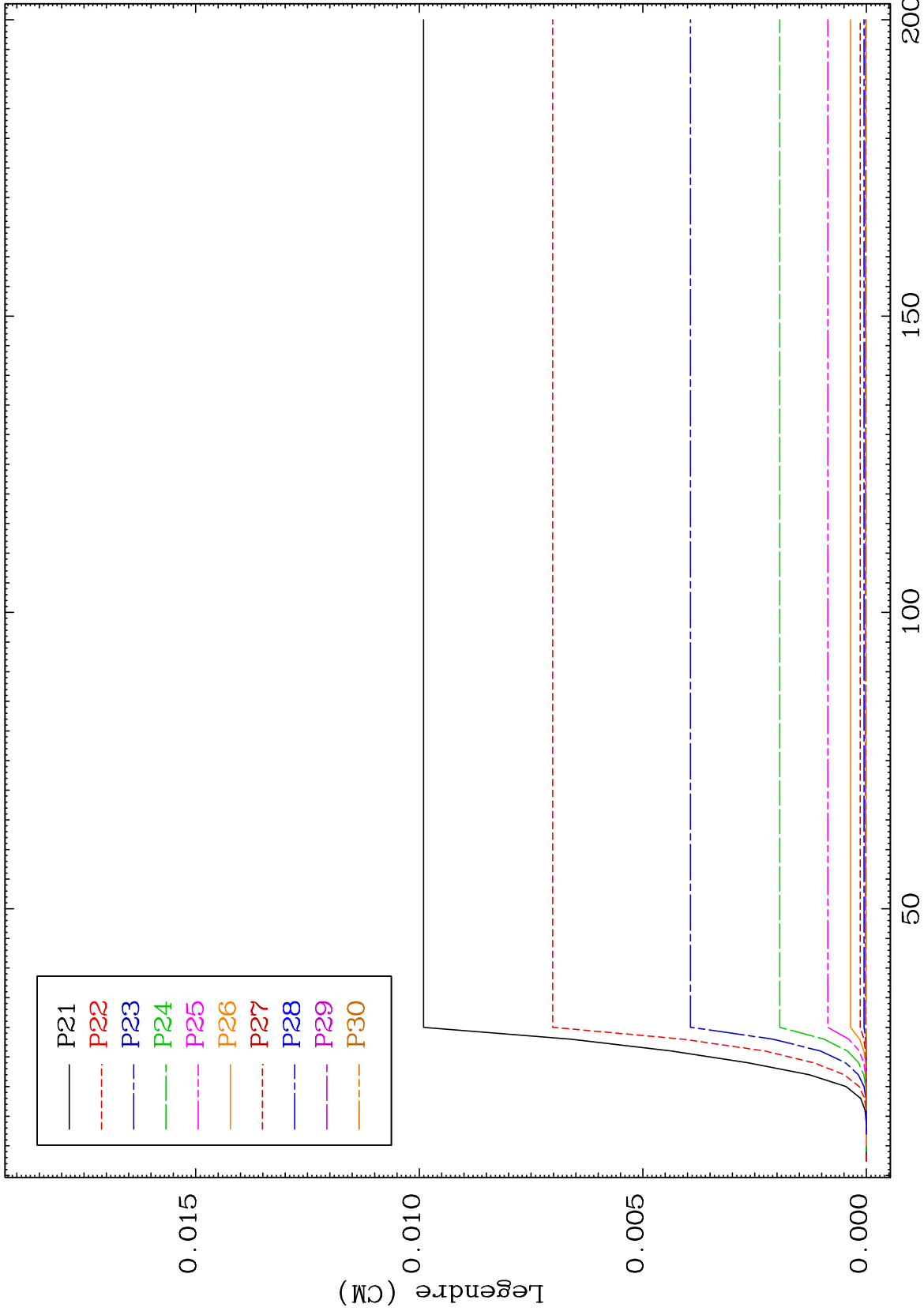
Incident Energy (MeV)

80-Hg-197

MAT 8028

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

80-Hg-197



84

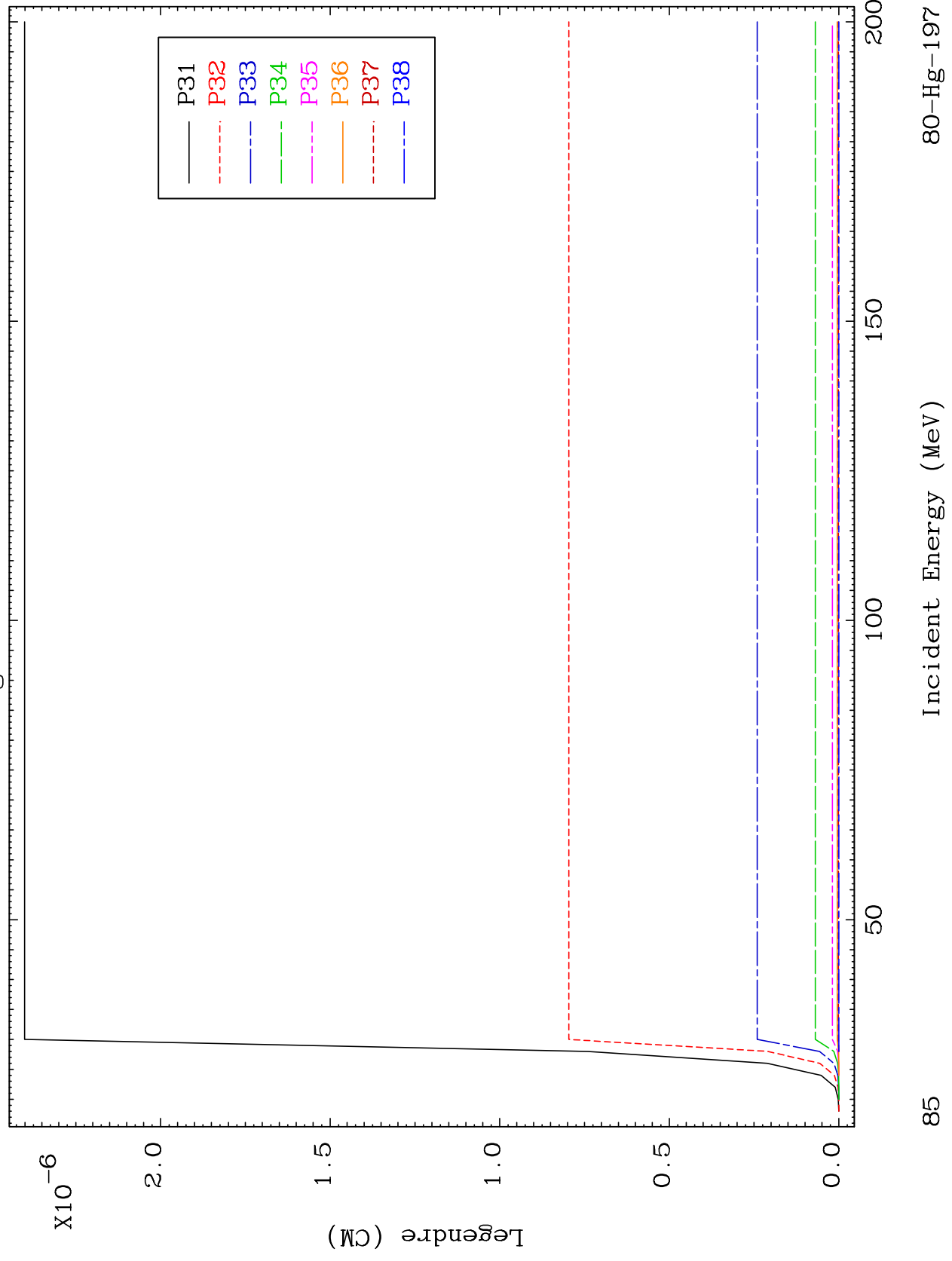
Incident Energy (MeV)

80-Hg-197

MAT 8028

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

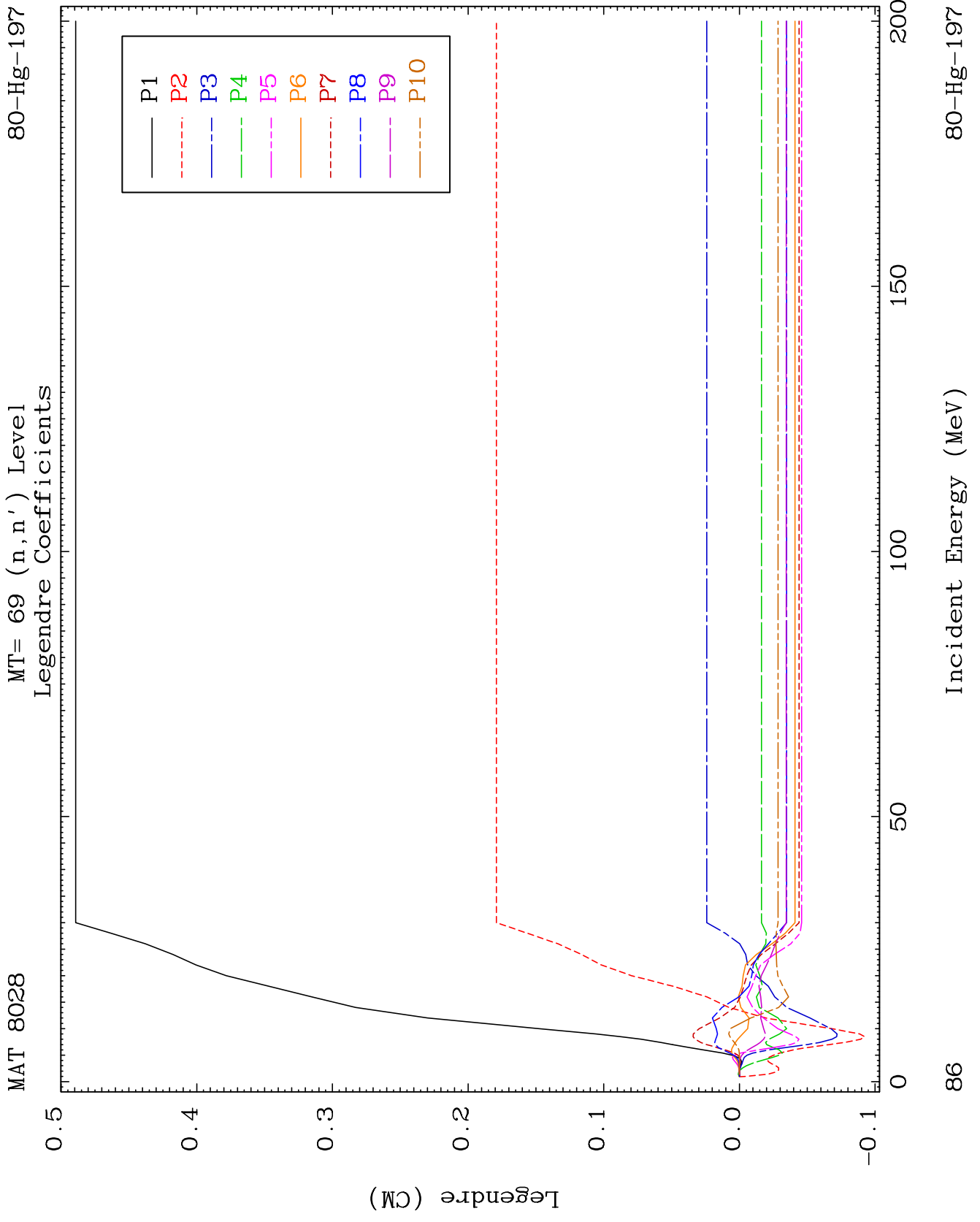
80-Hg-197

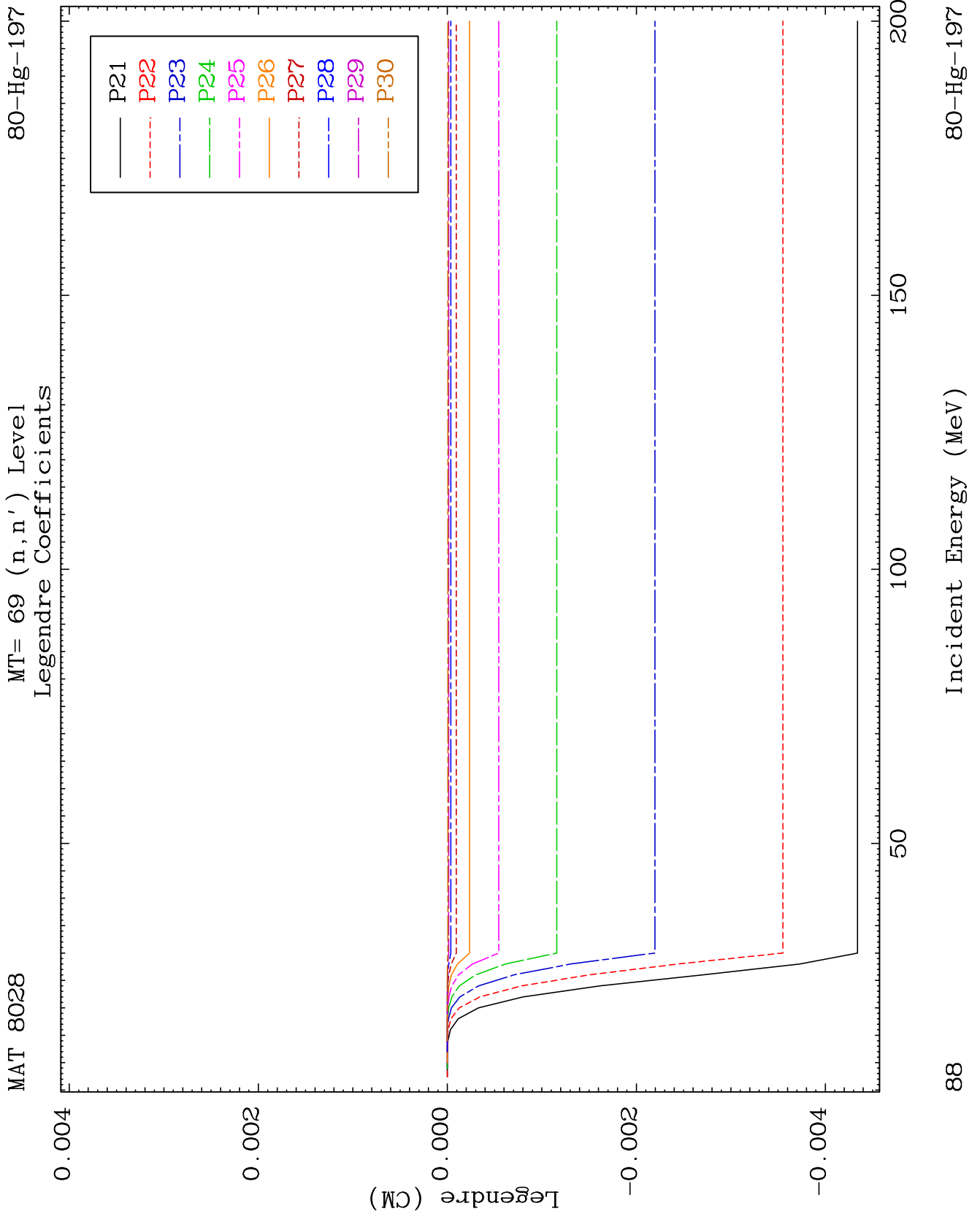


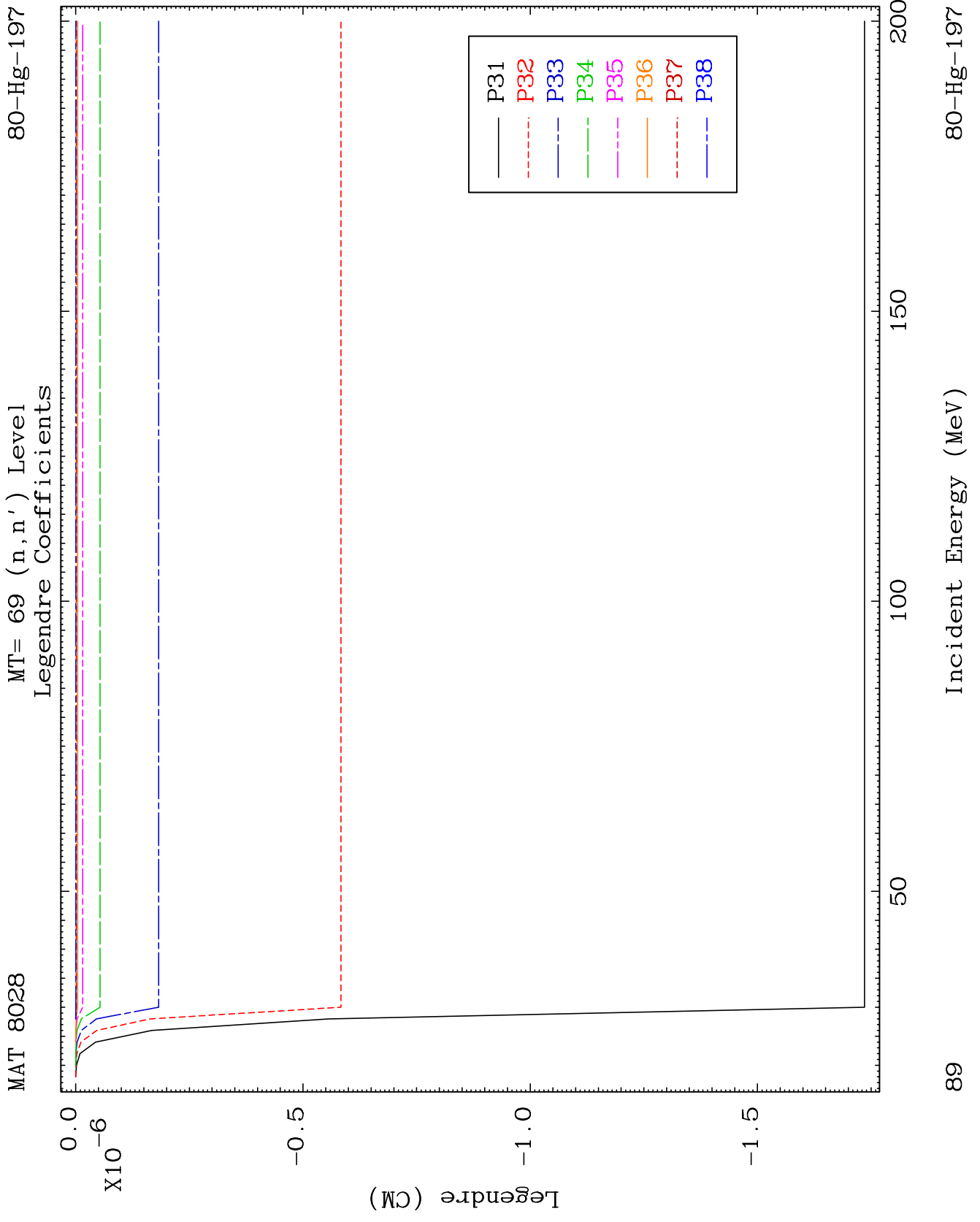
80-Hg-197

Incident Energy (MeV)

85



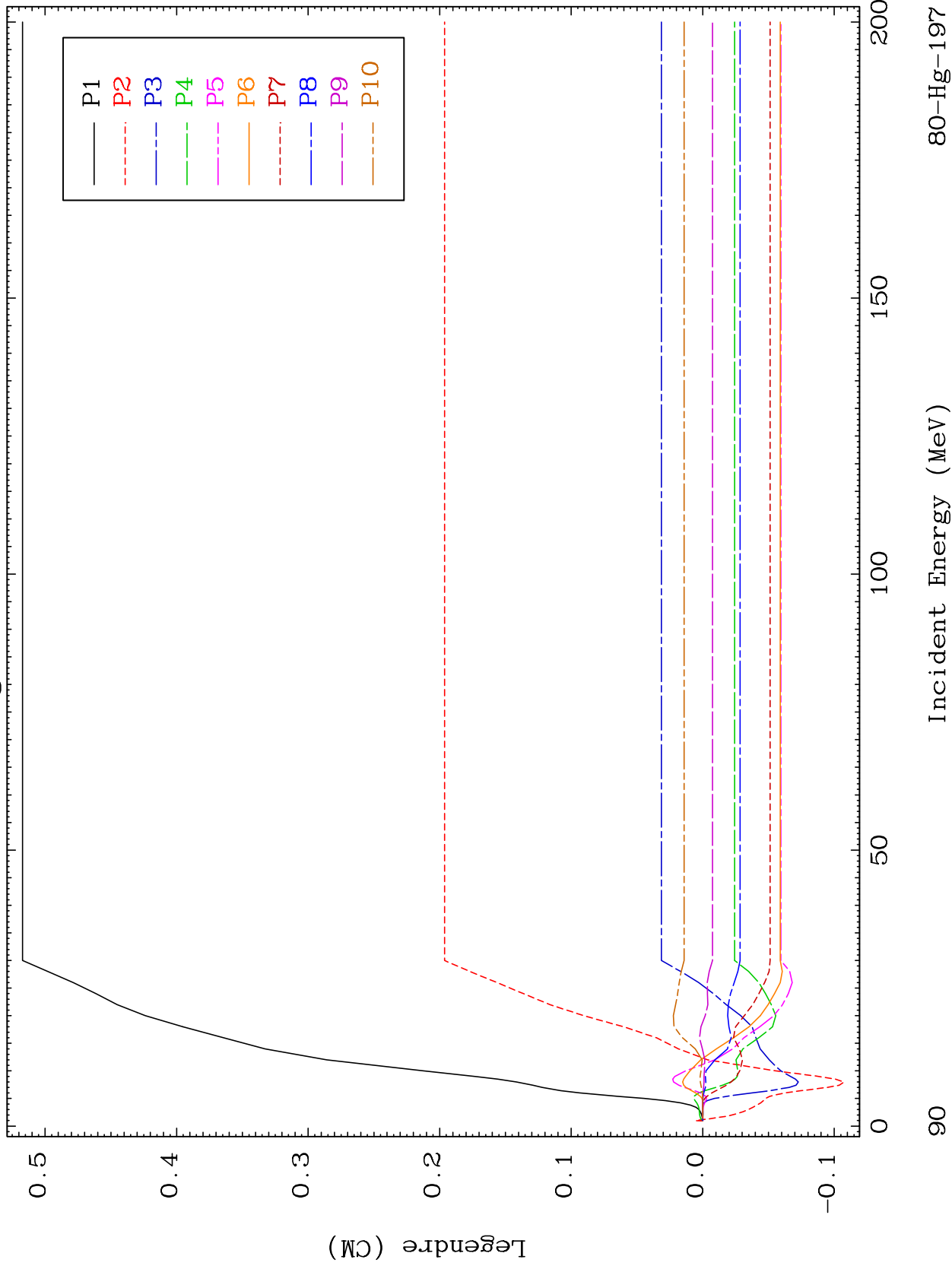




MAT 8028

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

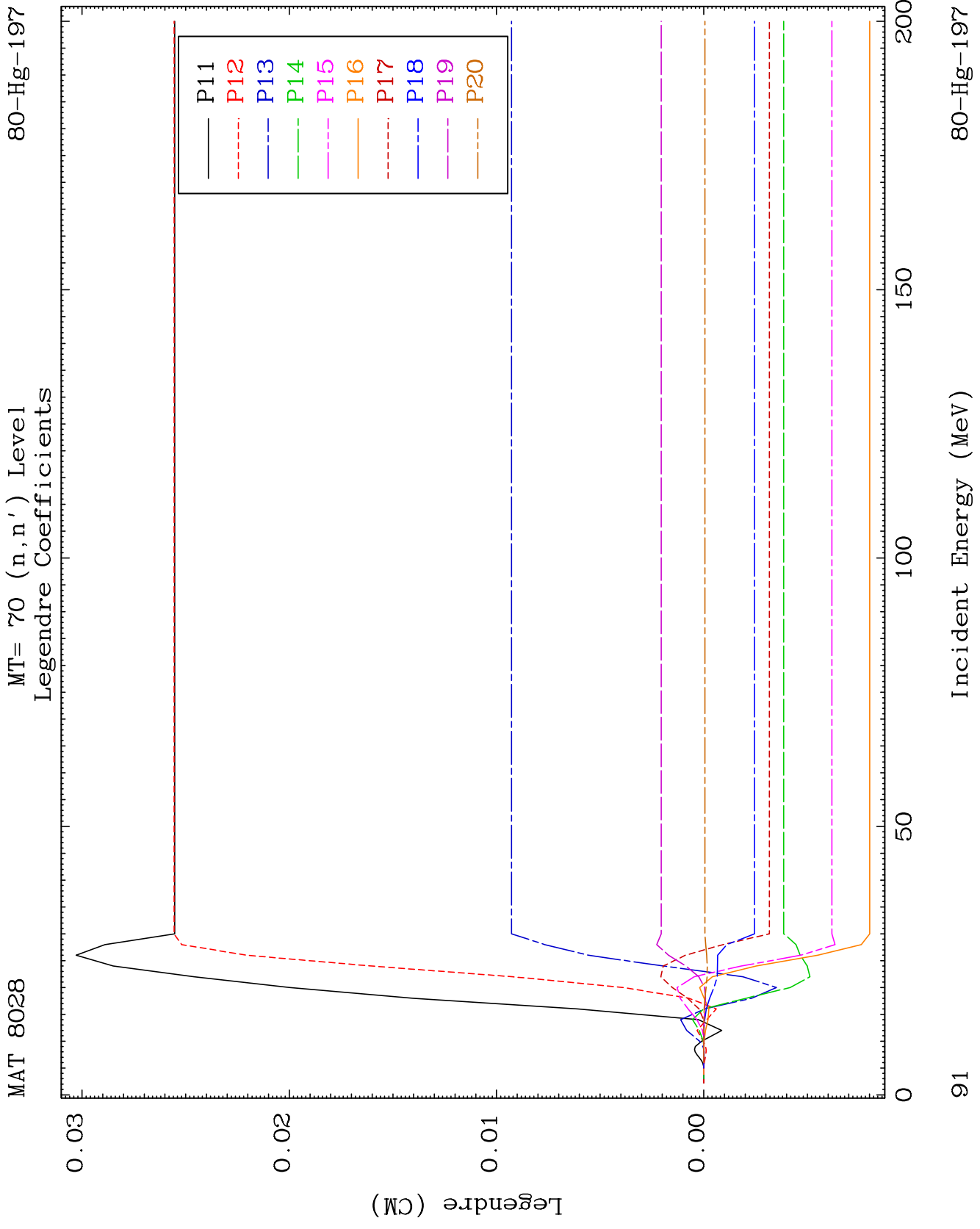
80-Hg-197



80-Hg-197

Incident Energy (MeV)

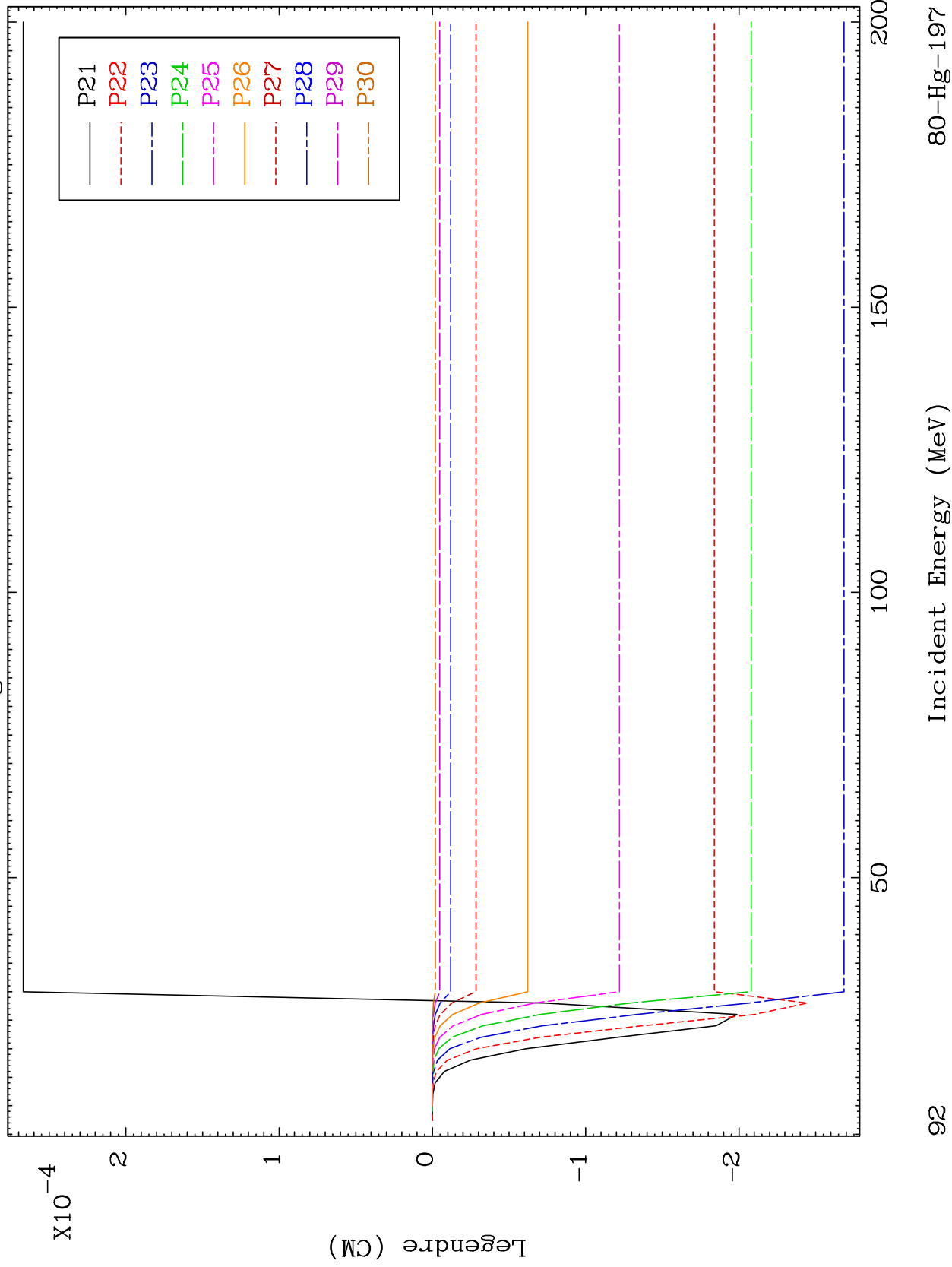
90



MAT 8028

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

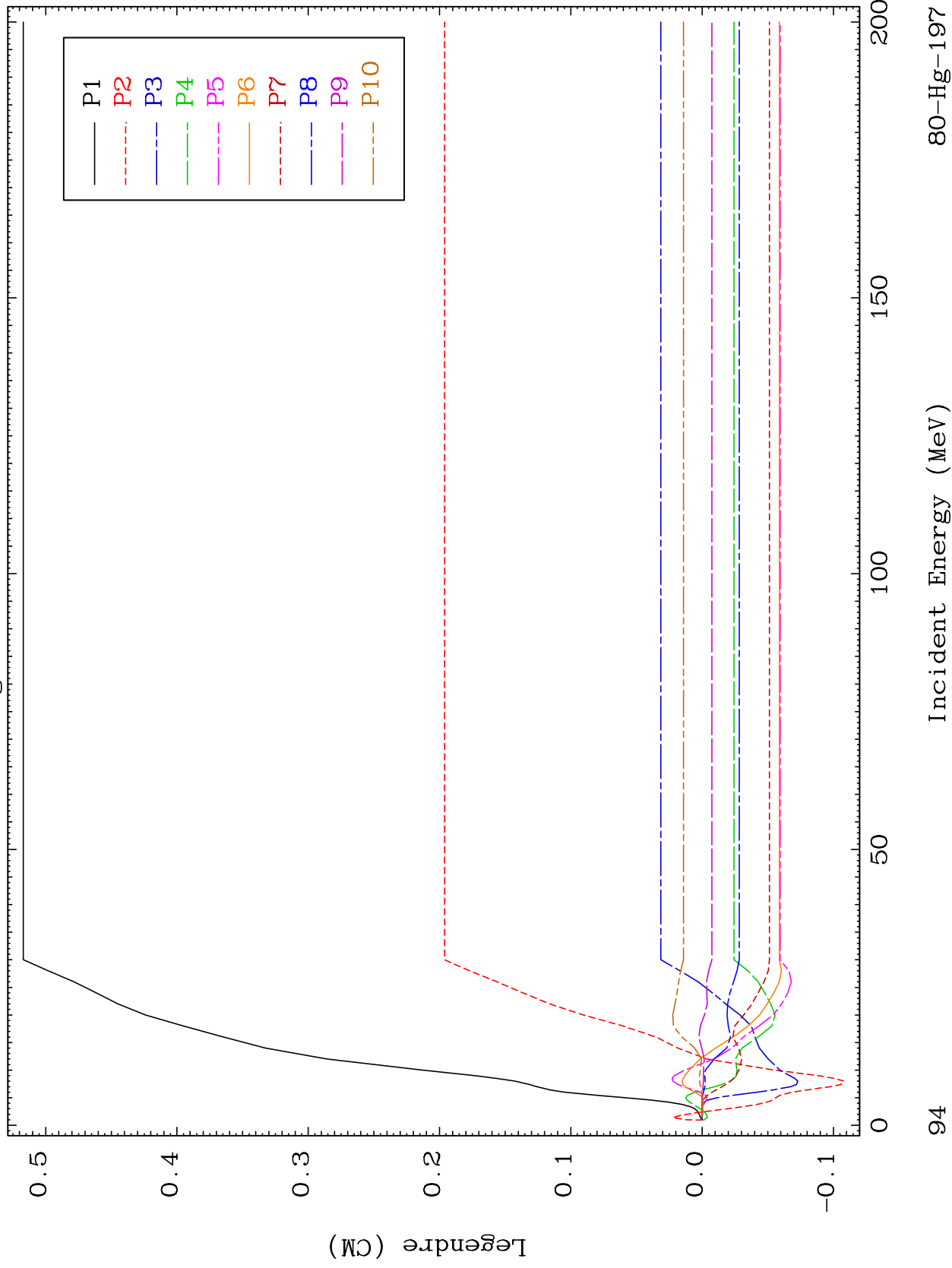
80-Hg-197



MAT 8028

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

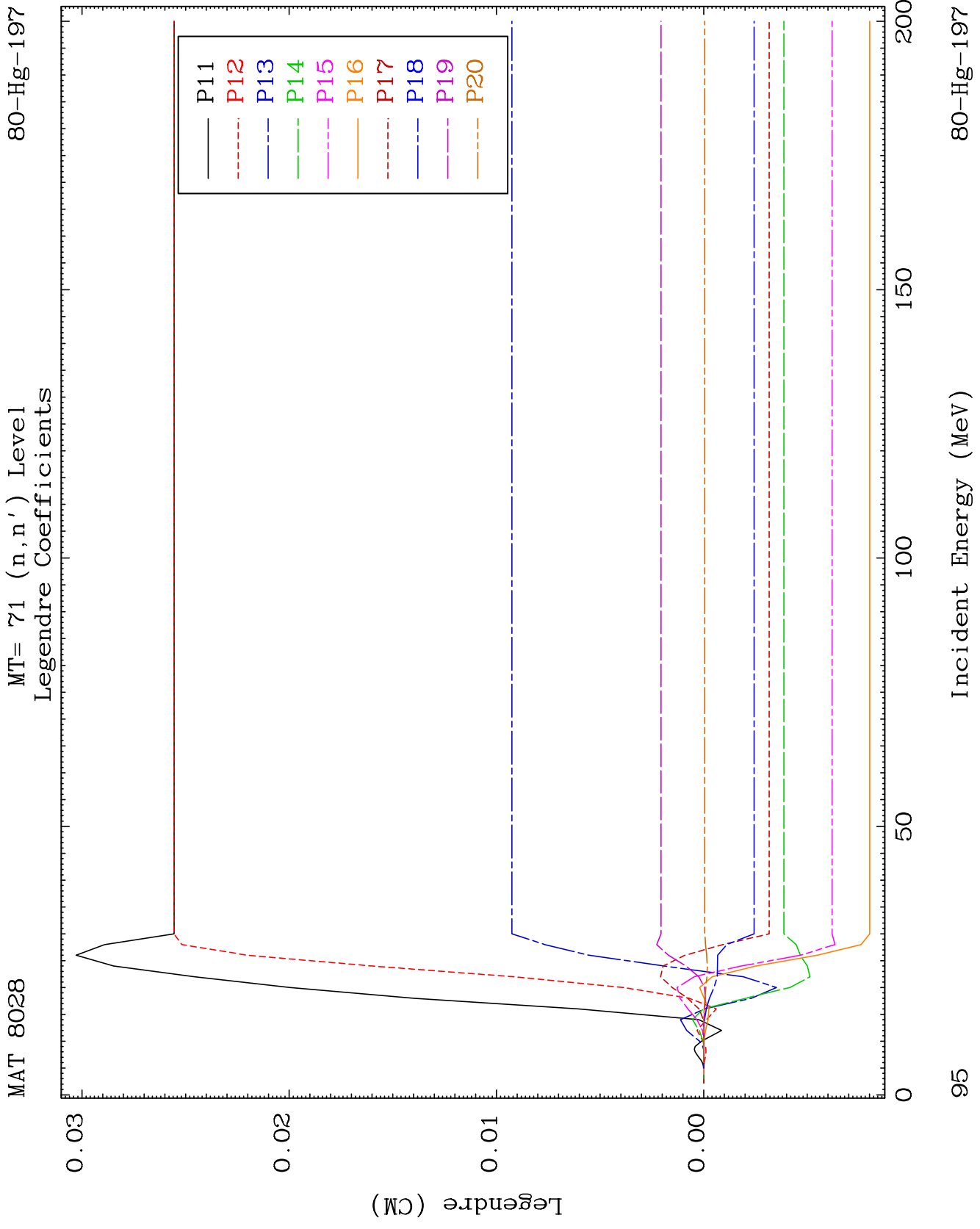
80-Hg-197



80-Hg-197

Incident Energy (MeV)

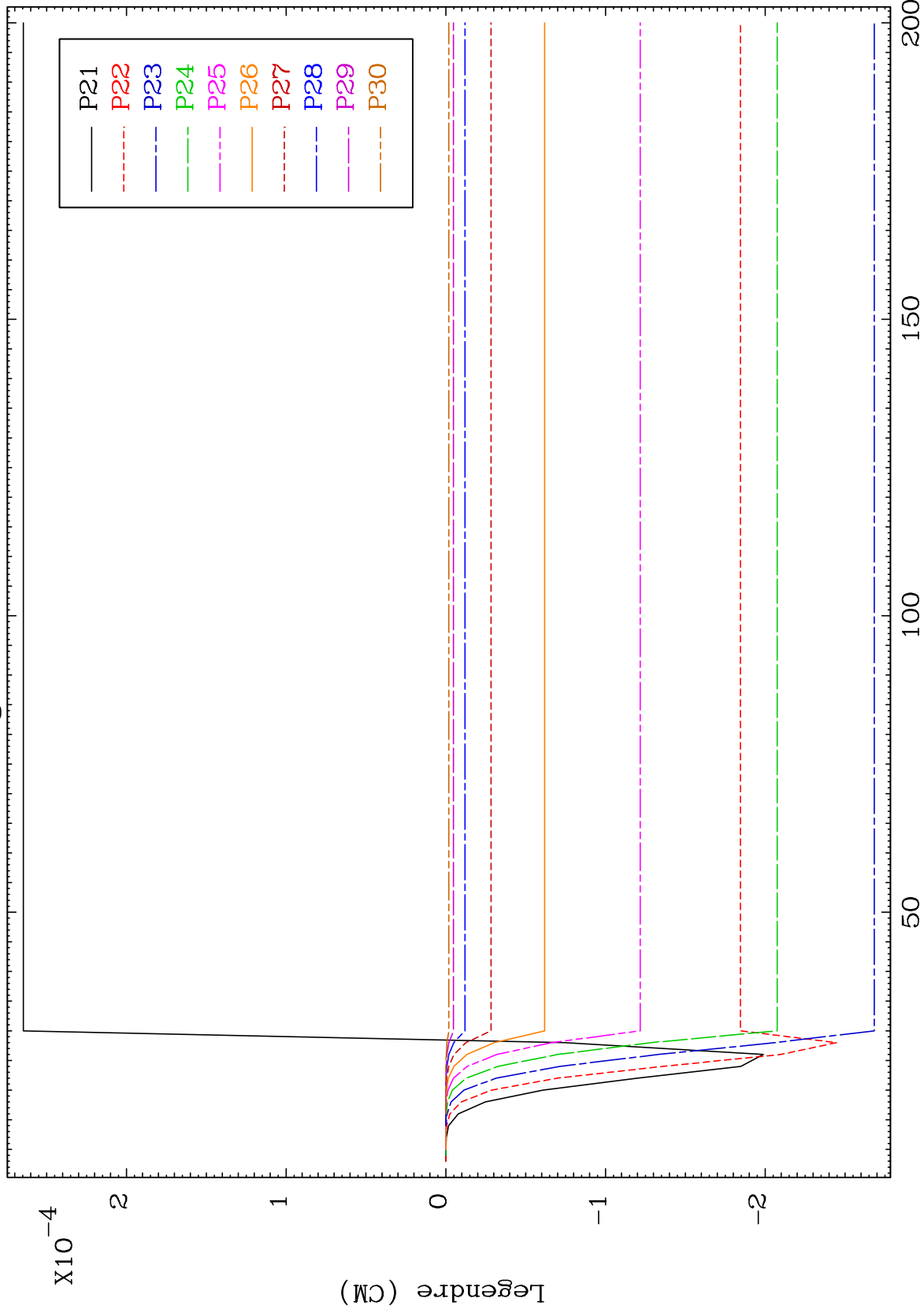
94



MAT 8028

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

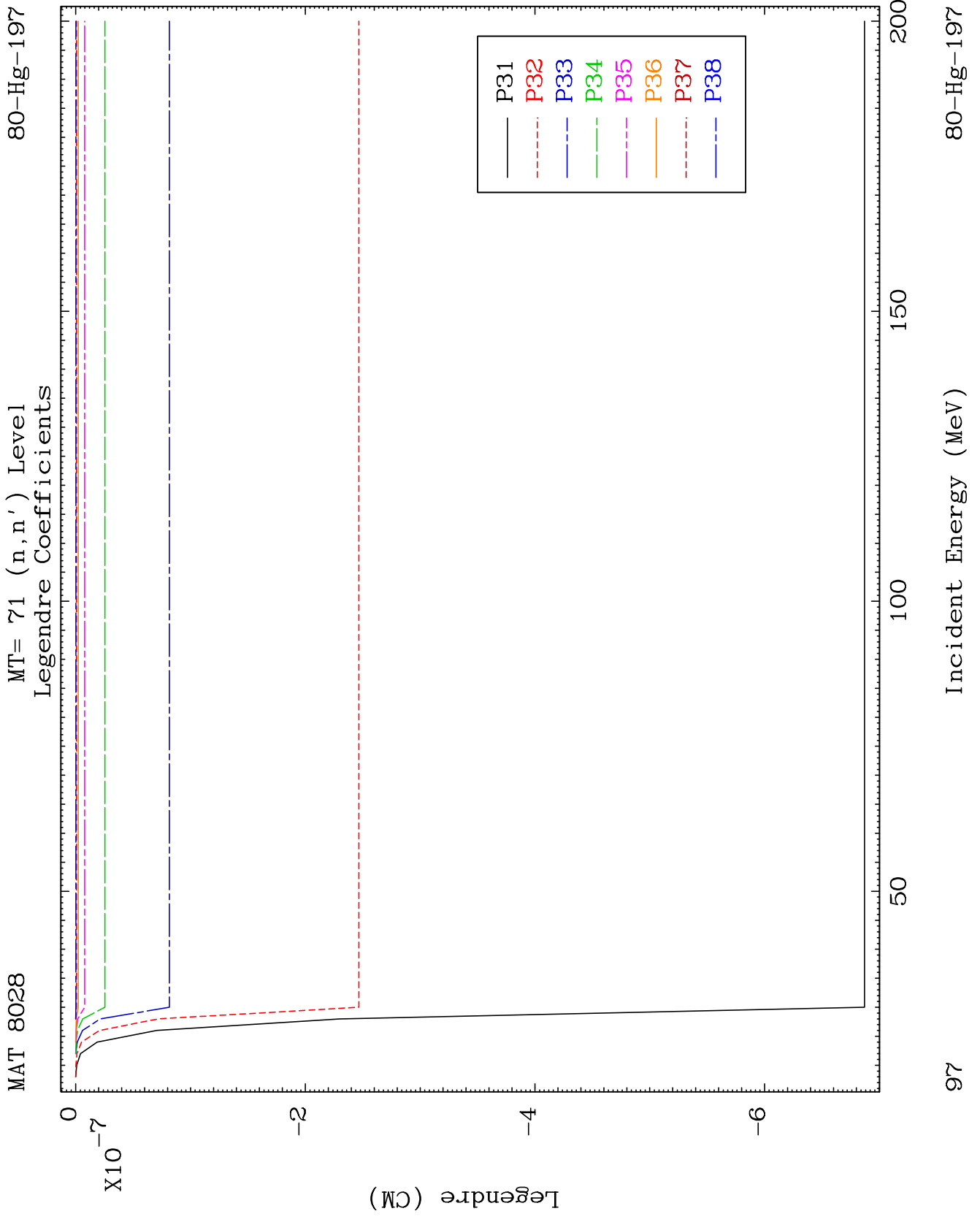
80-Hg-197

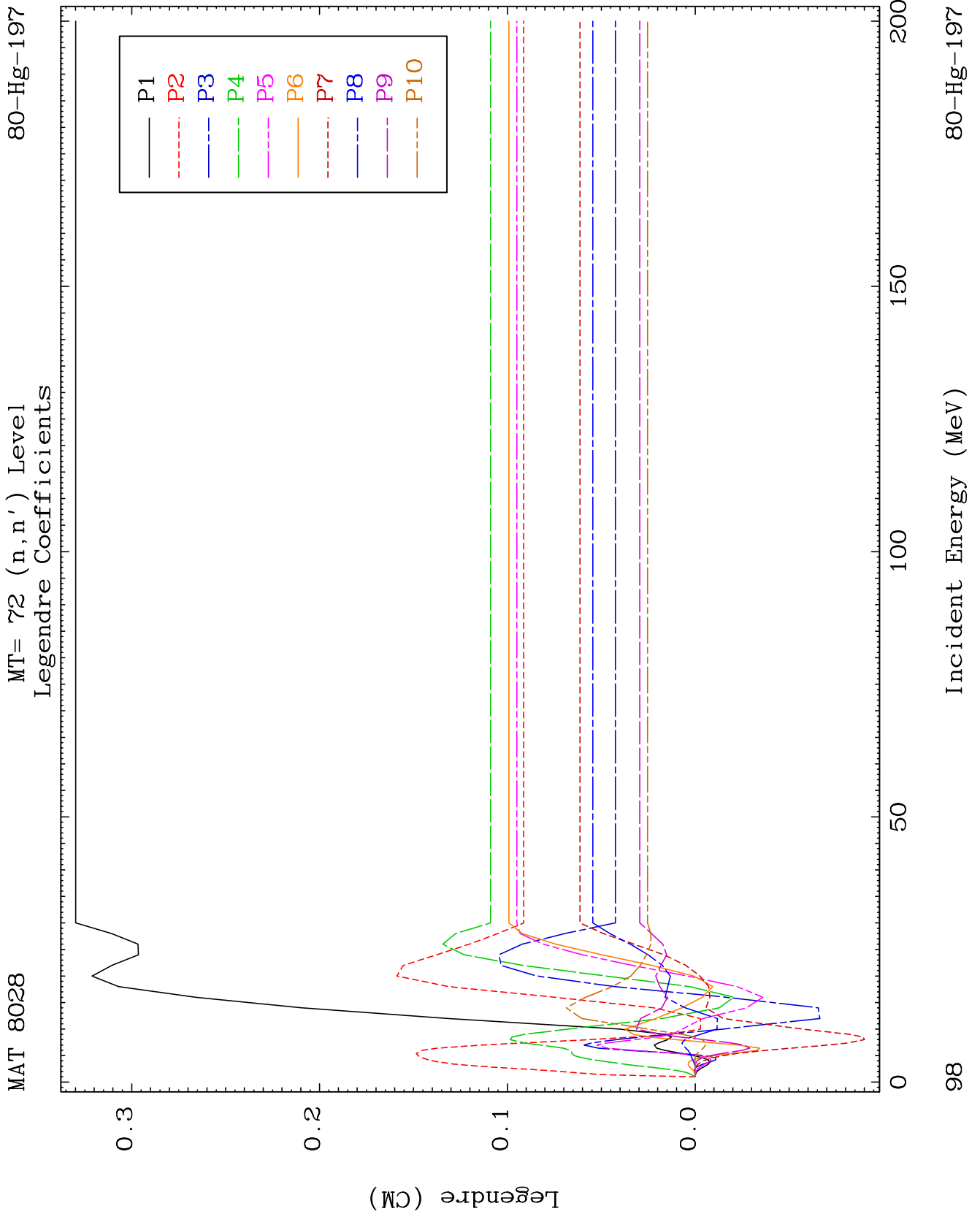


96

Incident Energy (MeV)

80-Hg-197

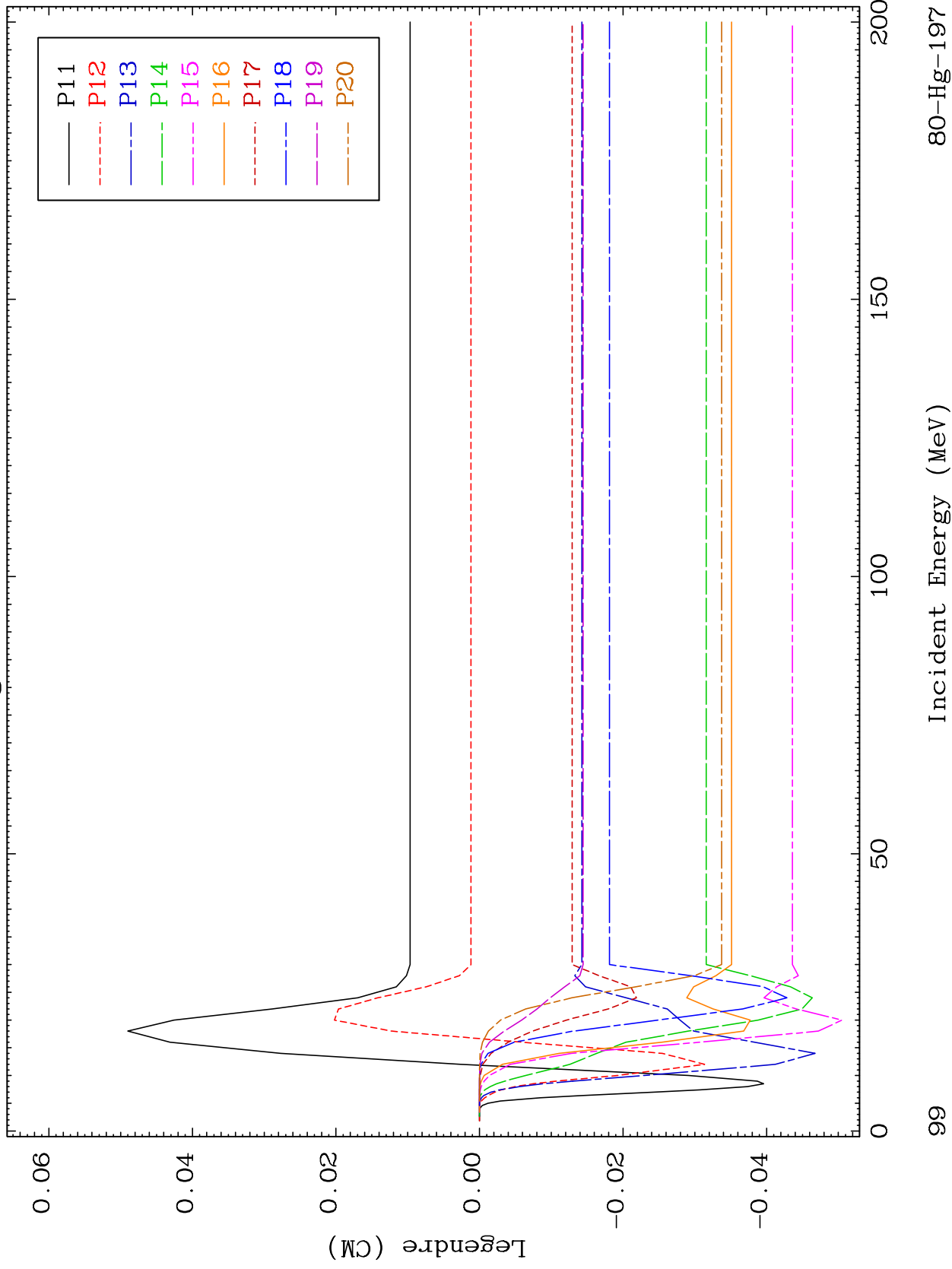


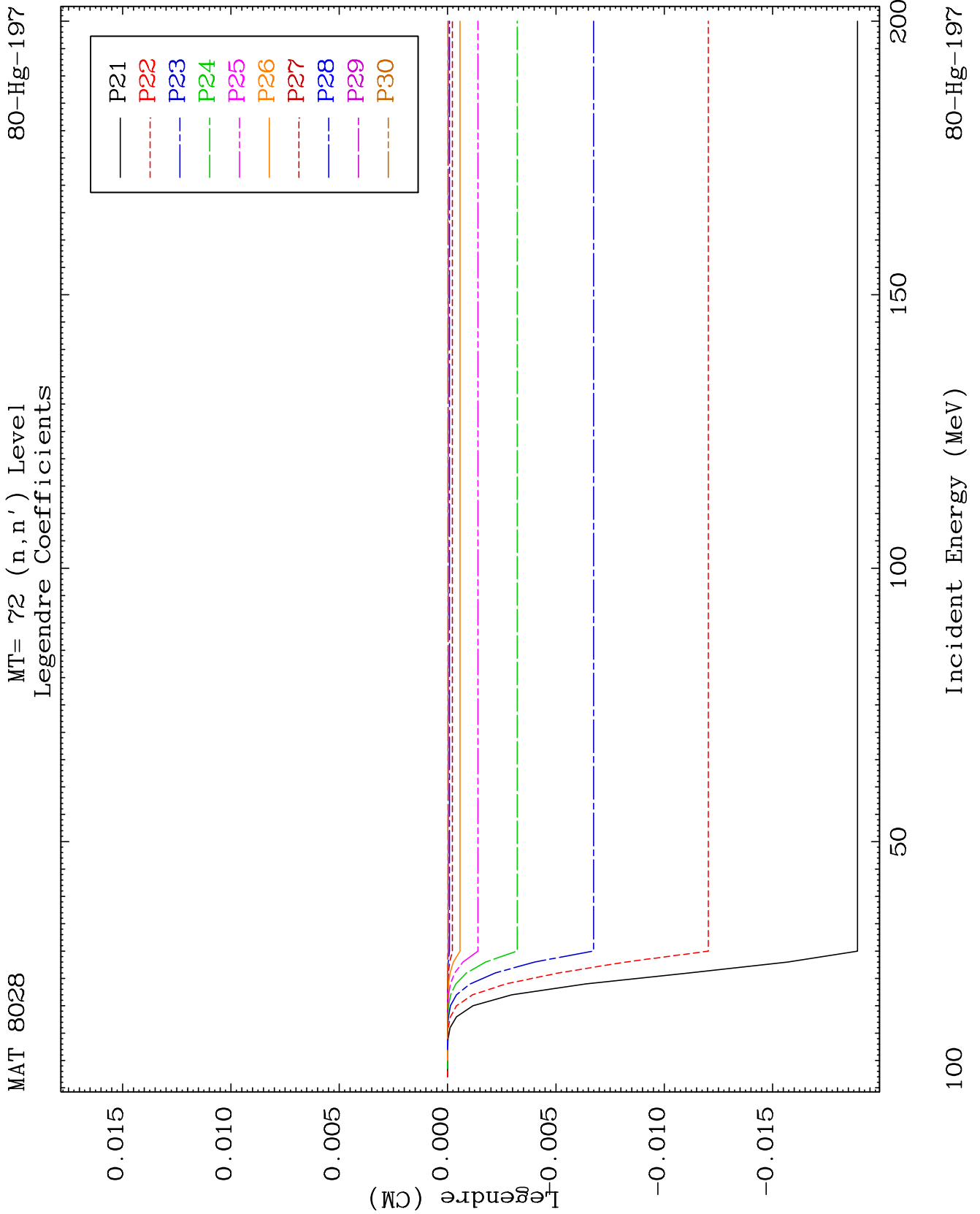


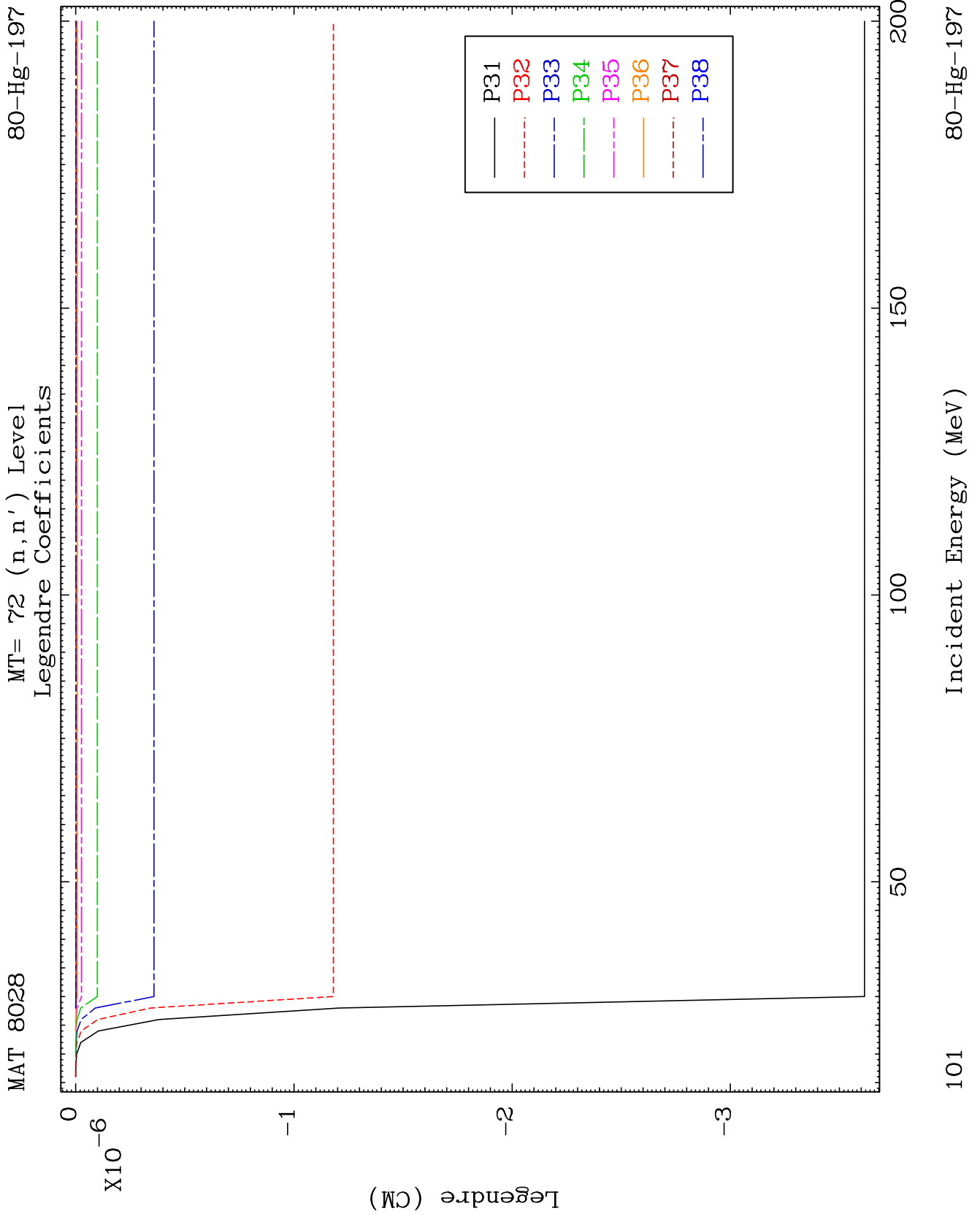
MAT 8028

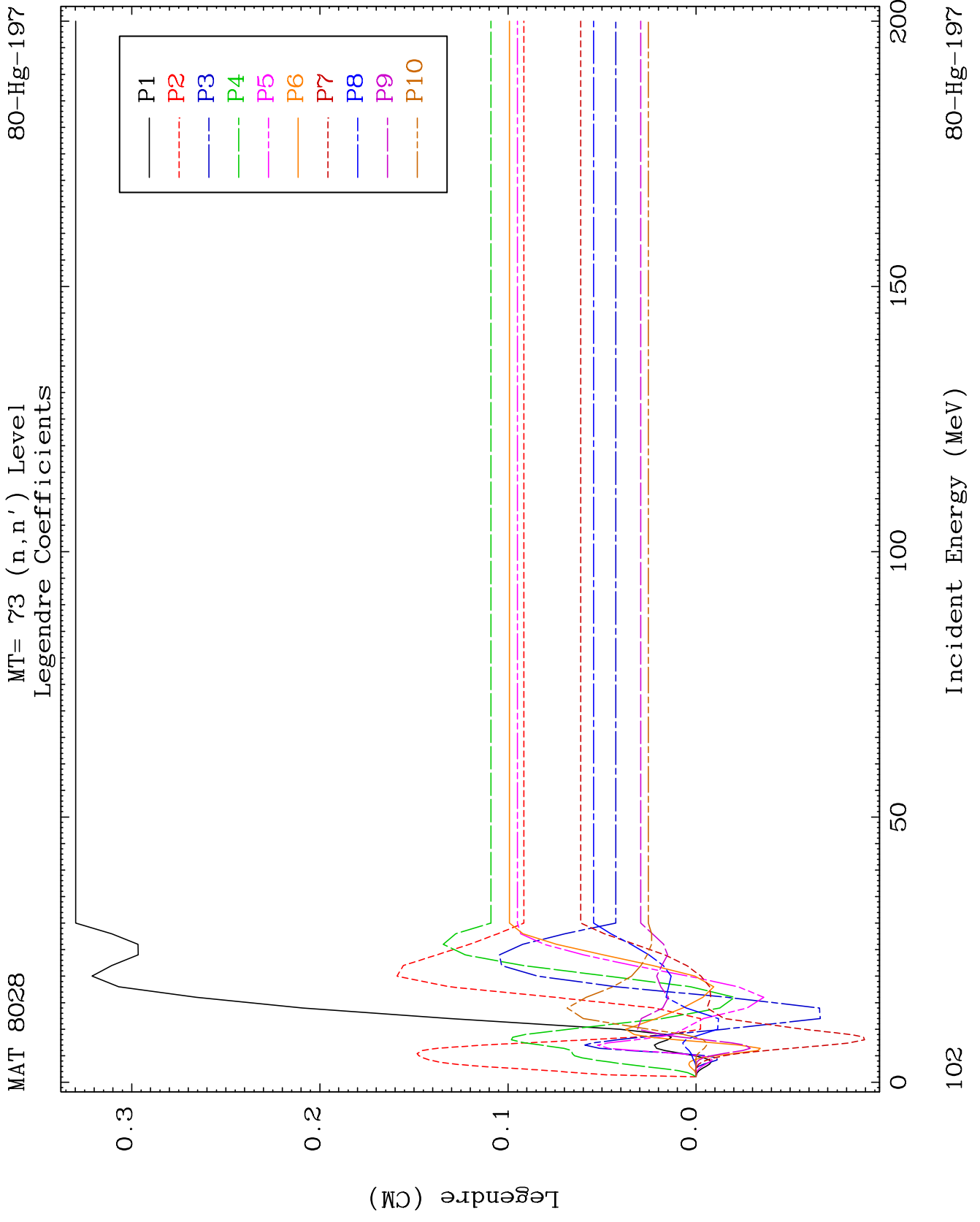
MT= 72 (n,n') Level
Legendre Coefficients

80-Hg-197





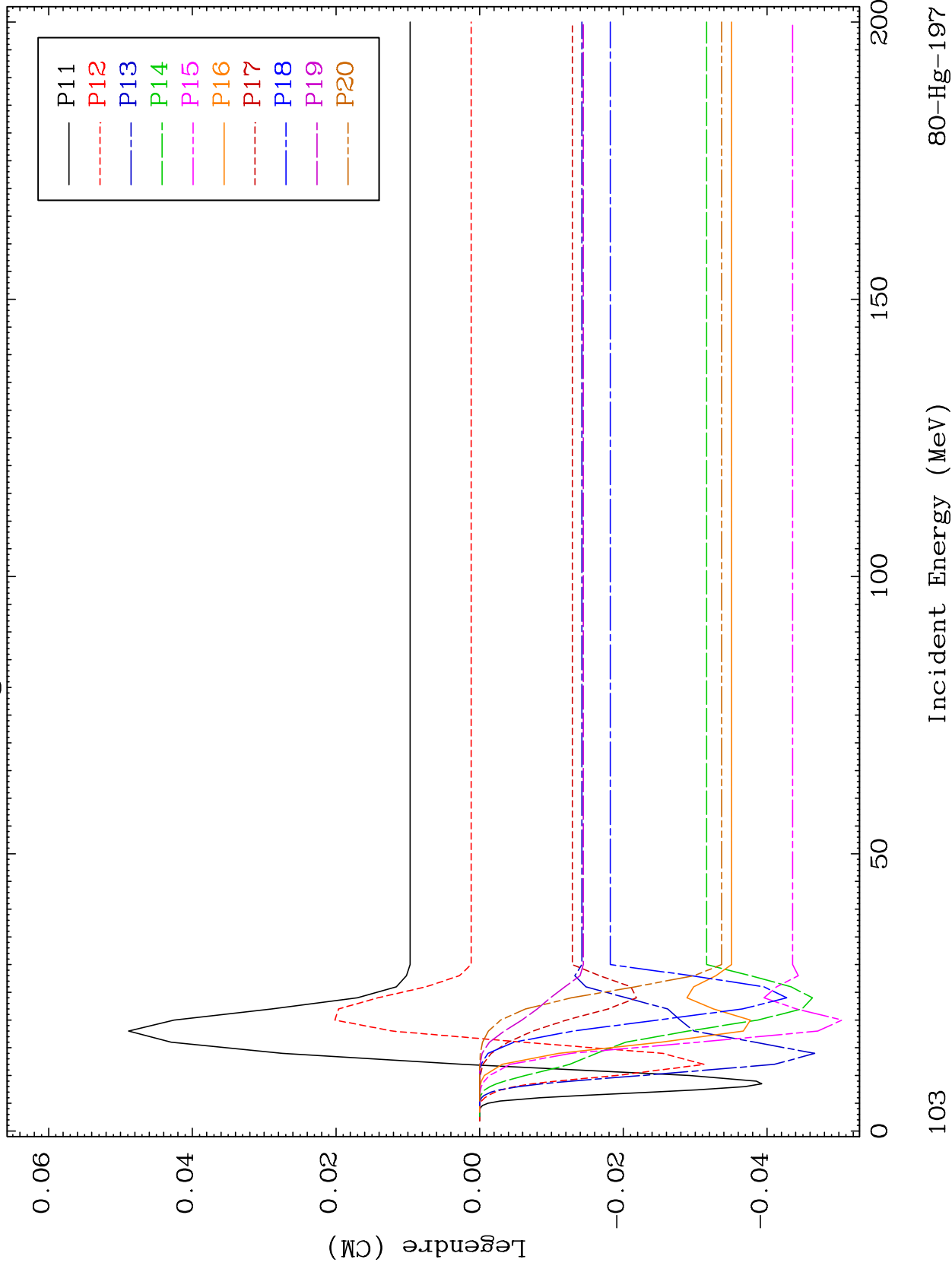




MAT 8028

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

80-Hg-197



103

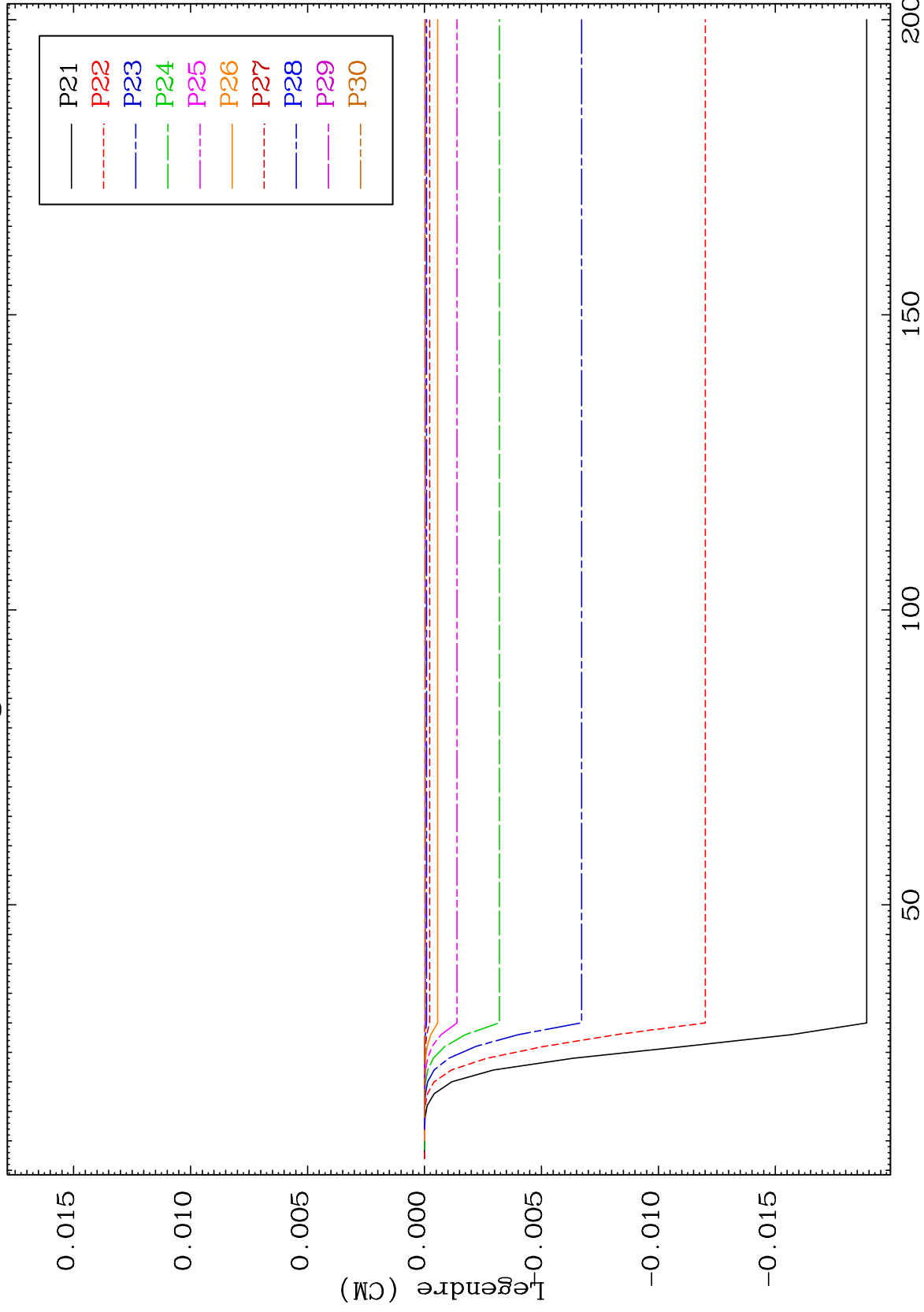
Incident Energy (MeV)

80-Hg-197

MAT 8028

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

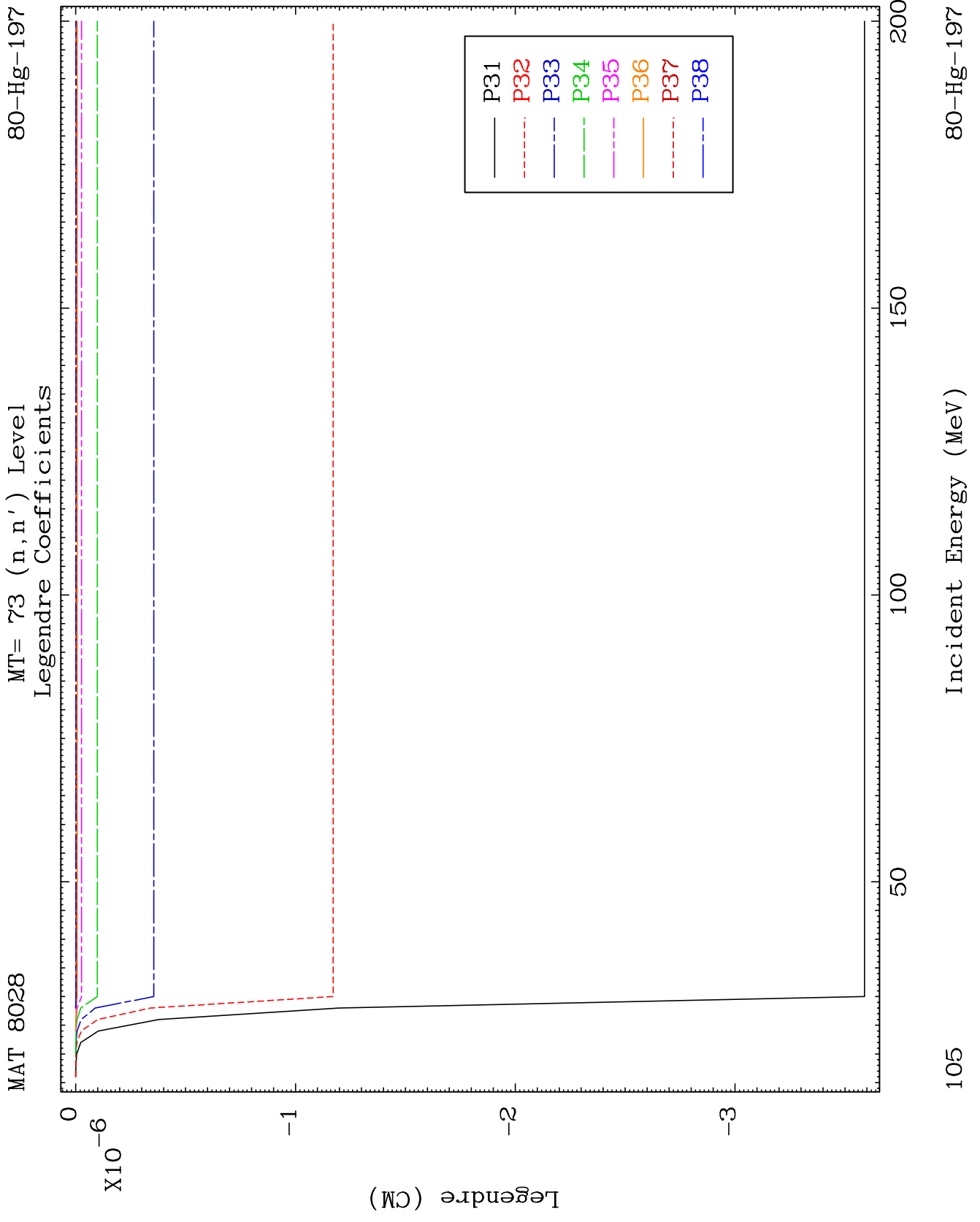
80-Hg-197



104

Incident Energy (MeV)

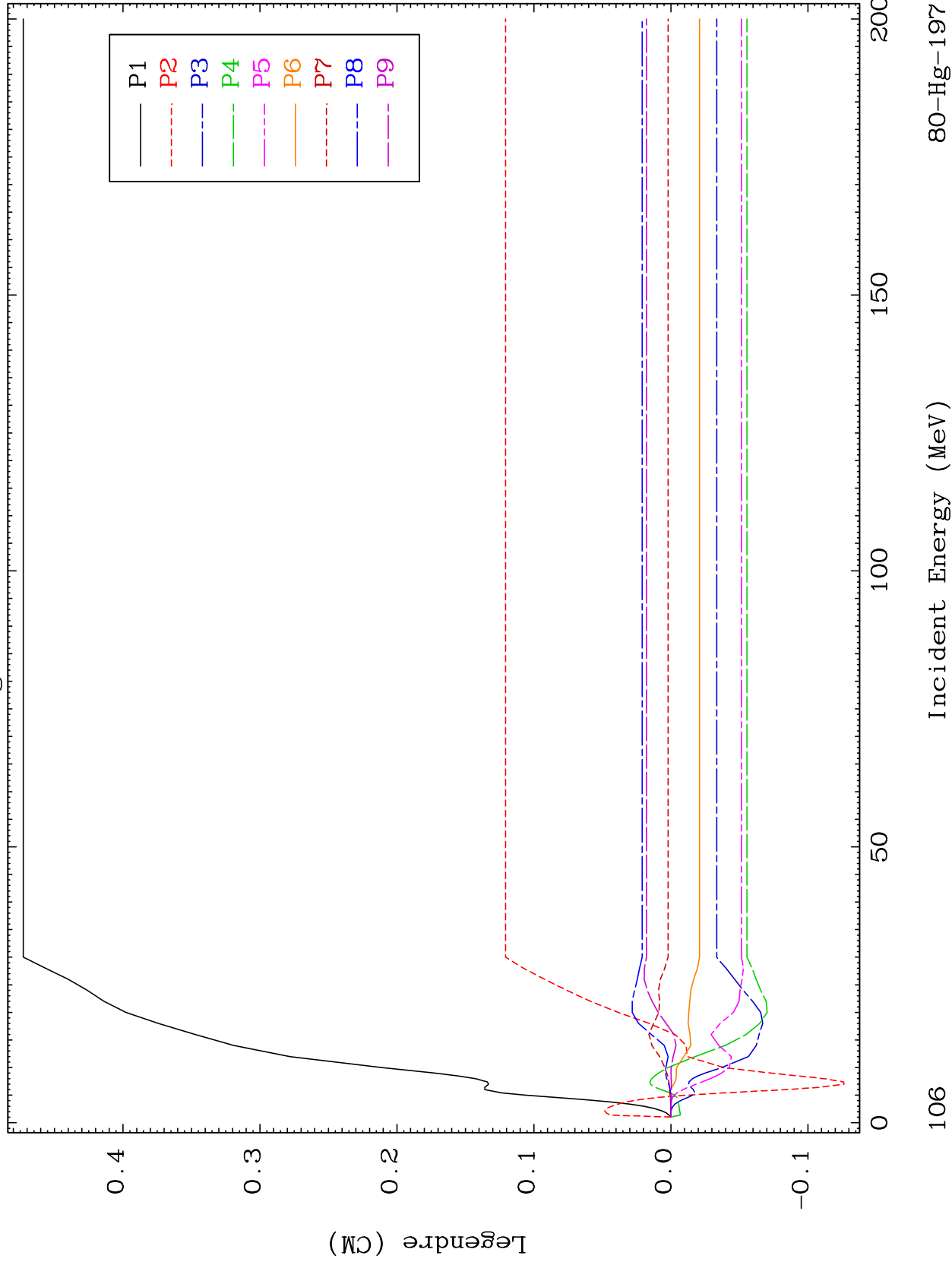
80-Hg-197



MAT 8028

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

80-Hg-197



80-Hg-197

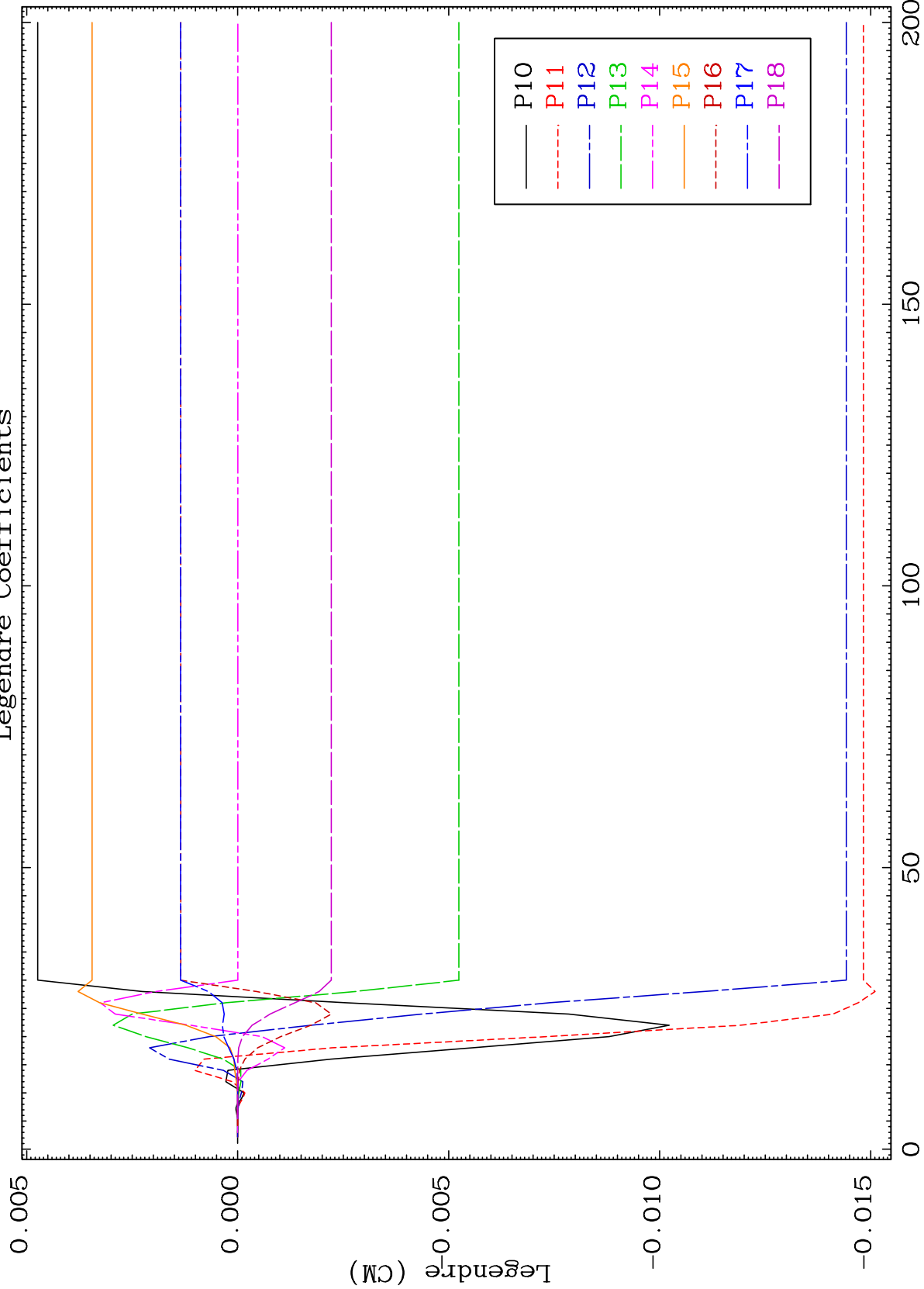
Incident Energy (MeV)

106

MAT 8028

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

80-Hg-197



107

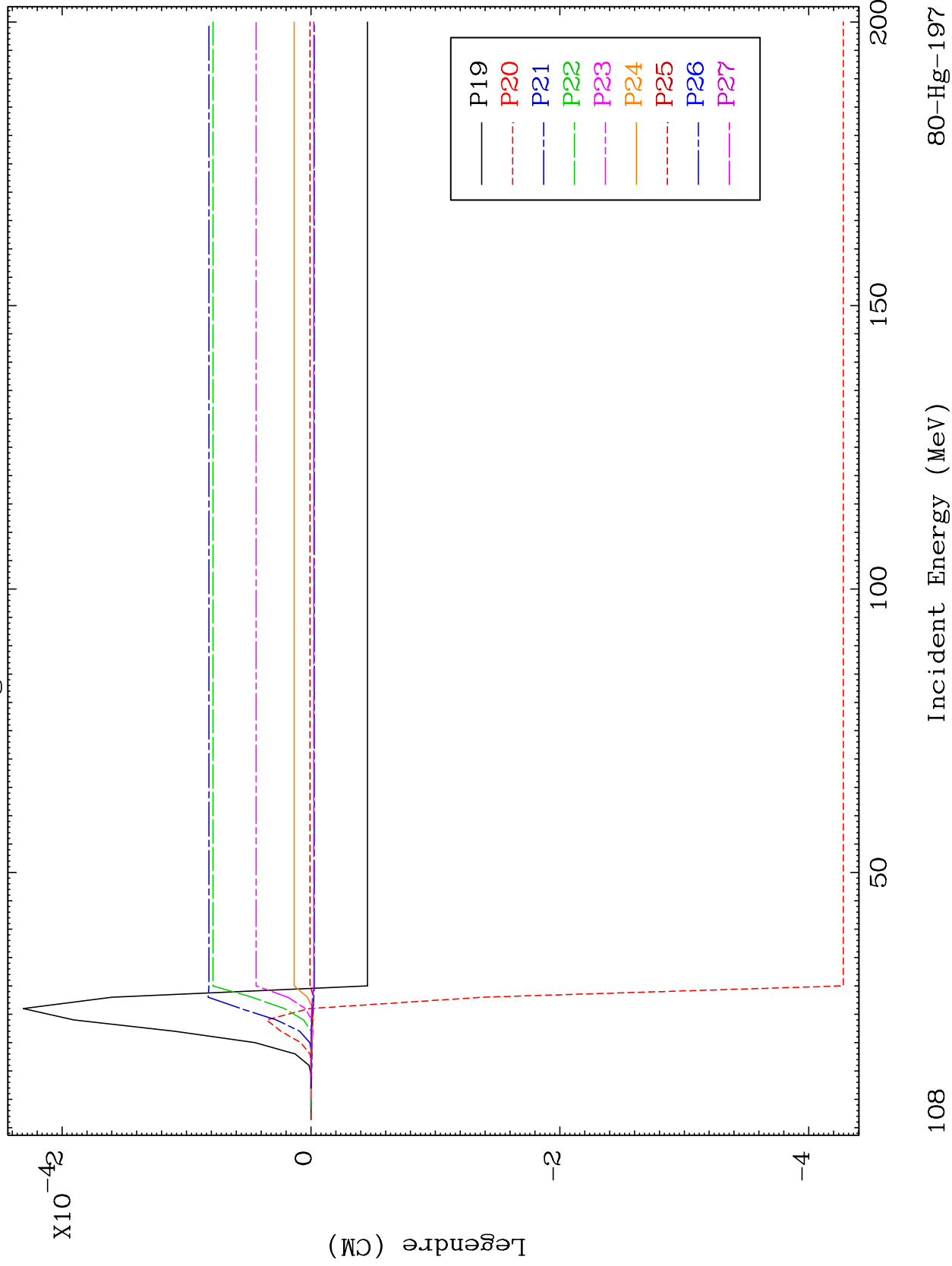
Incident Energy (MeV)

80-Hg-197

MAT 8028

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

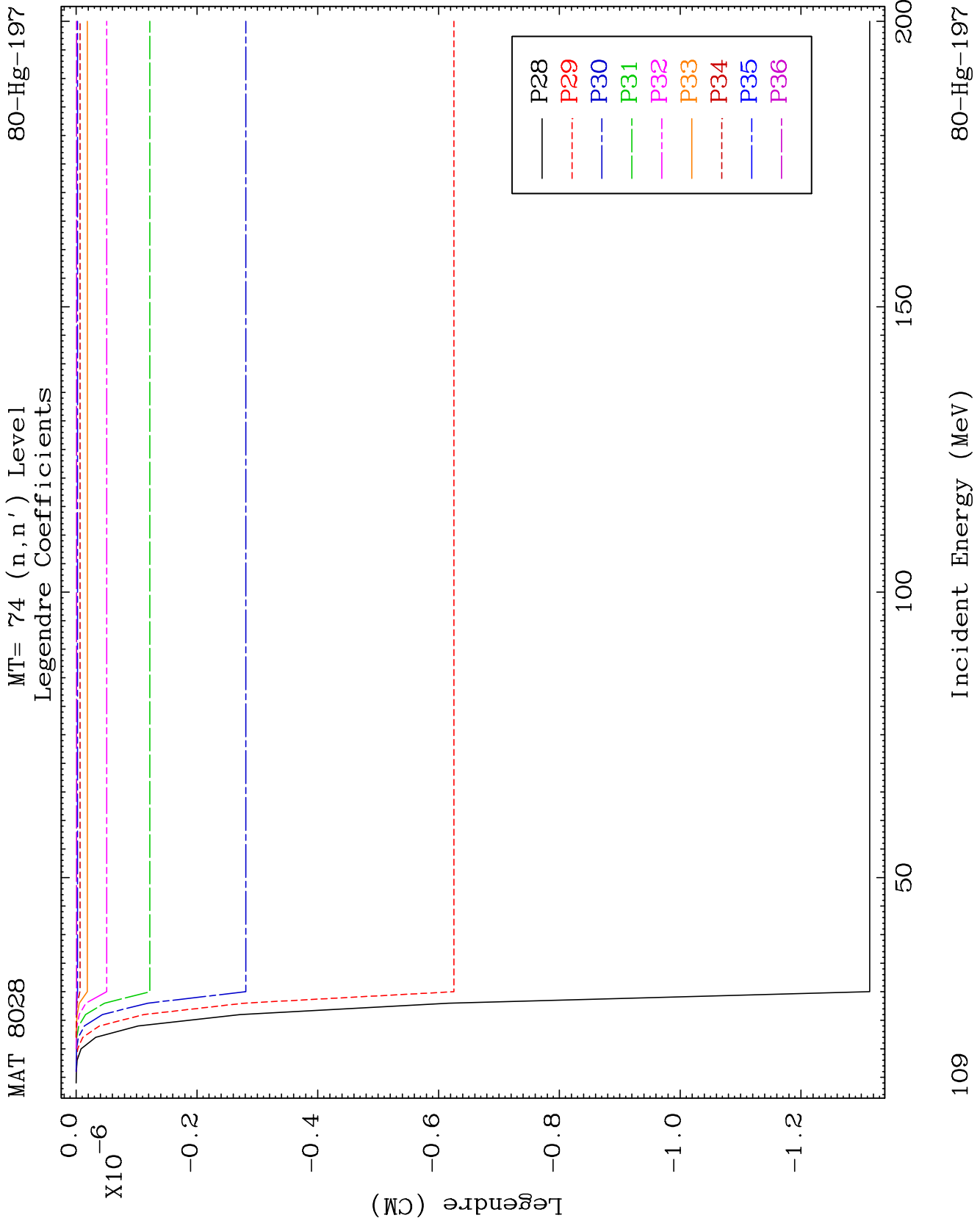
80-Hg-197

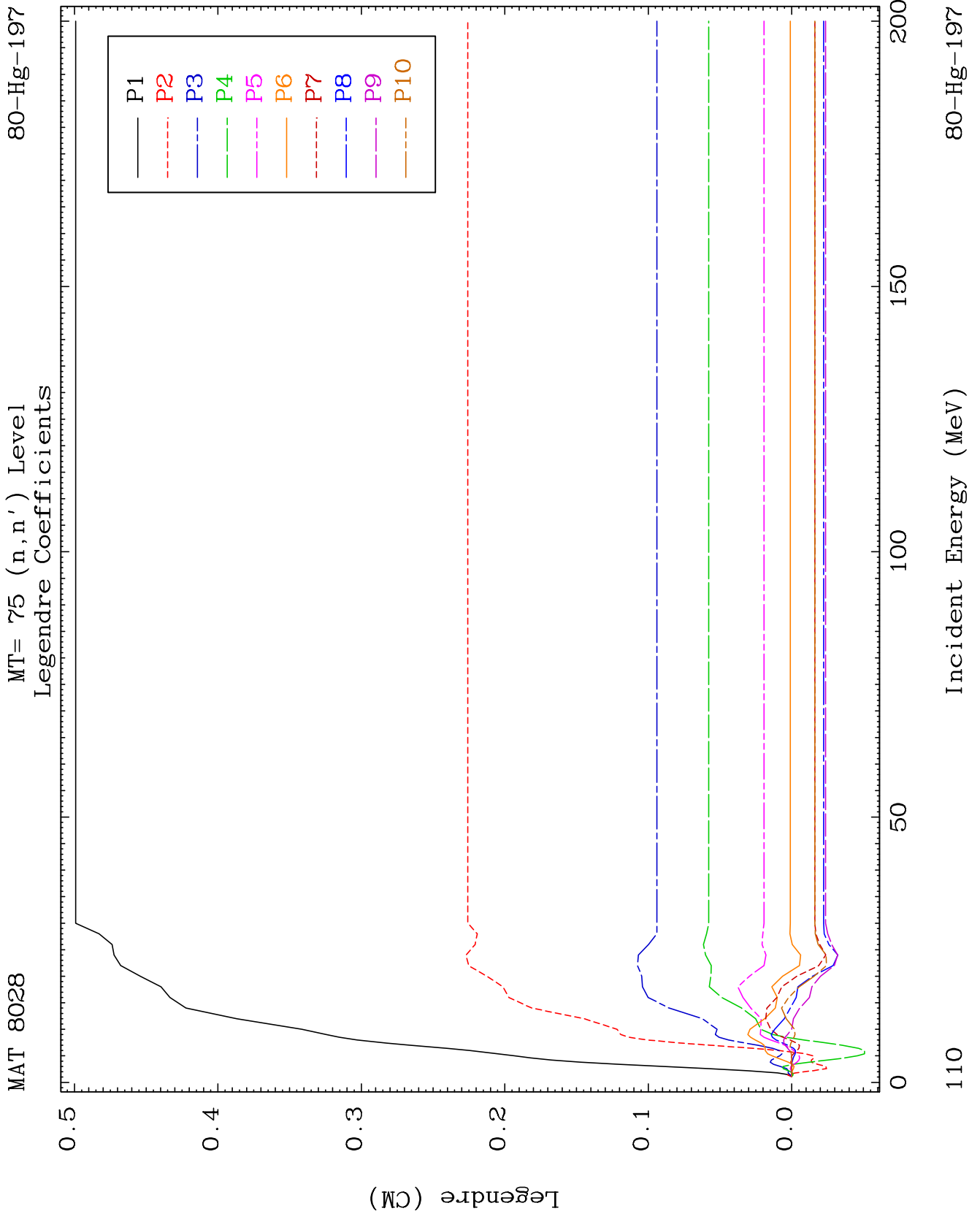


108

Incident Energy (MeV)

80-Hg-197

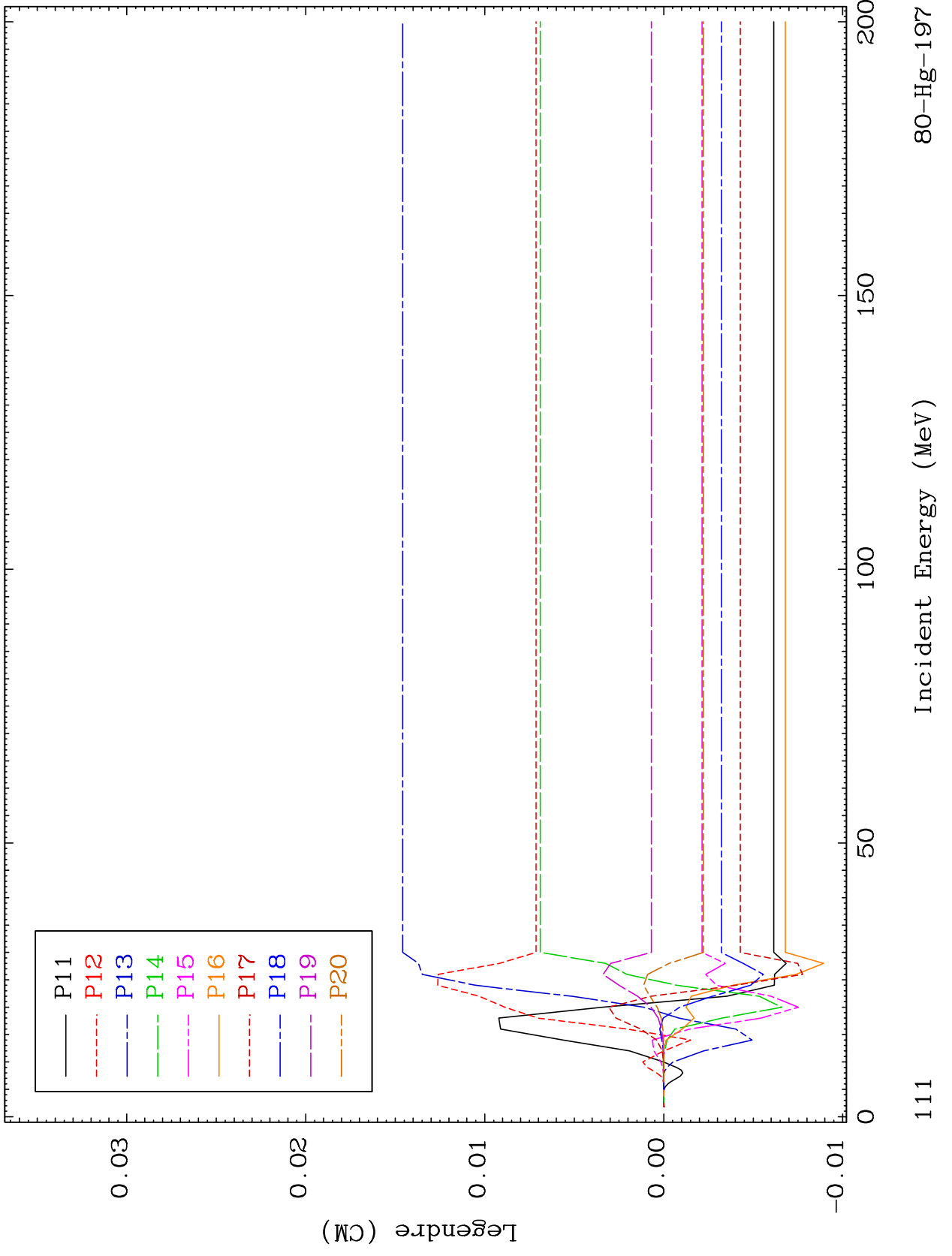




MAT 8028

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

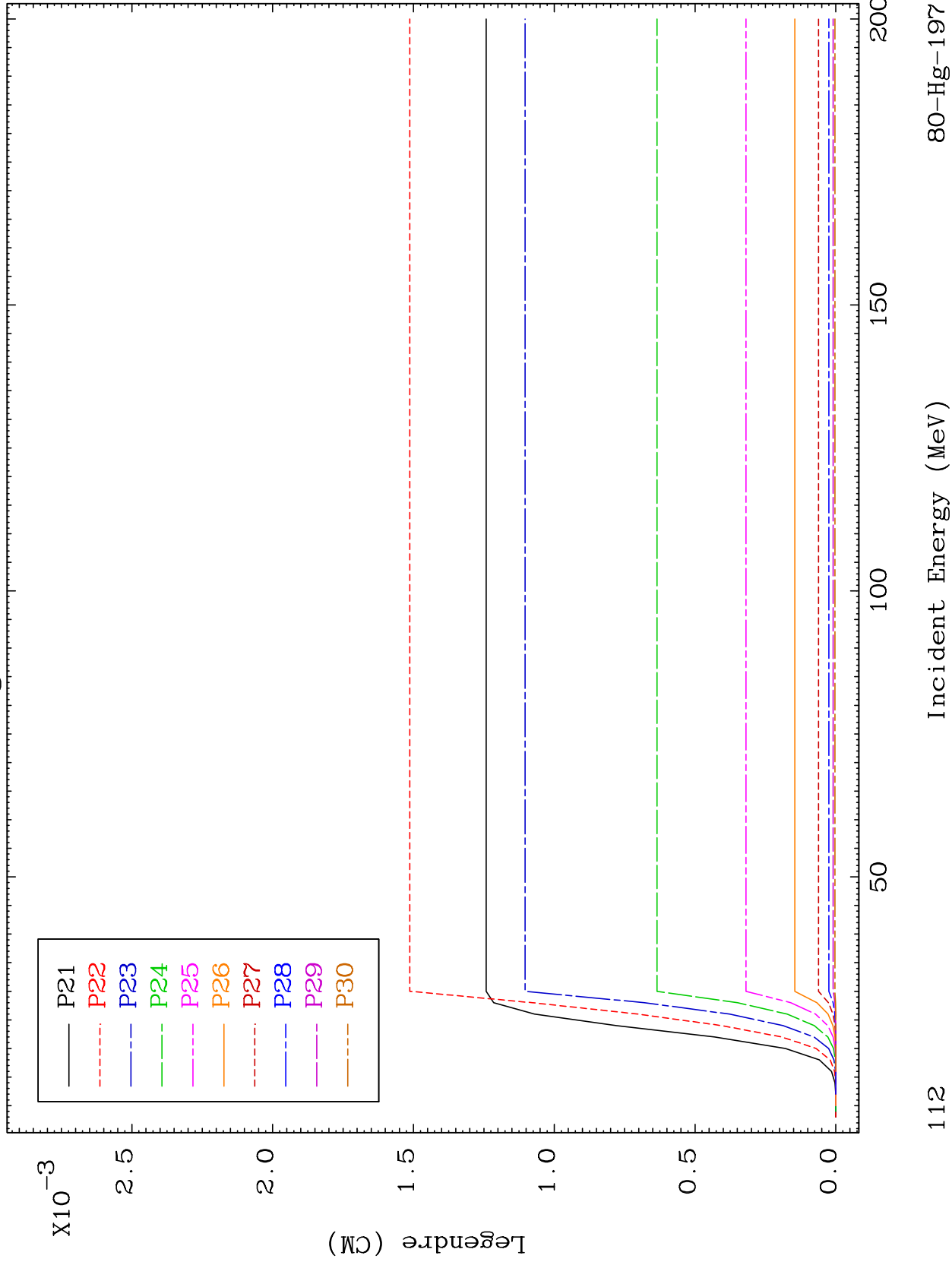
80-Hg-197



MAT 8028

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

80-Hg-197



112

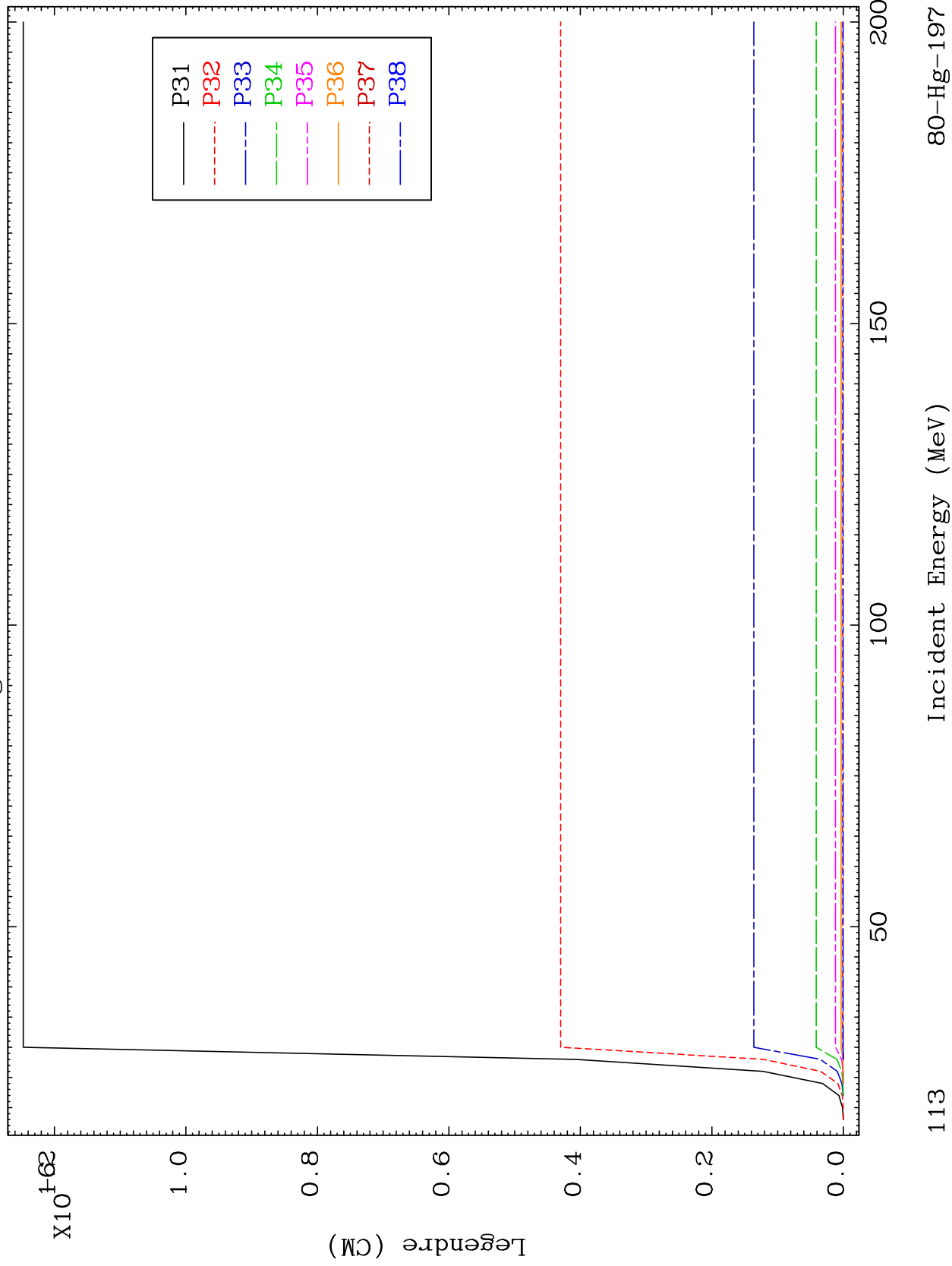
Incident Energy (MeV)

80-Hg-197

MAT 8028

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

80-Hg-197



113

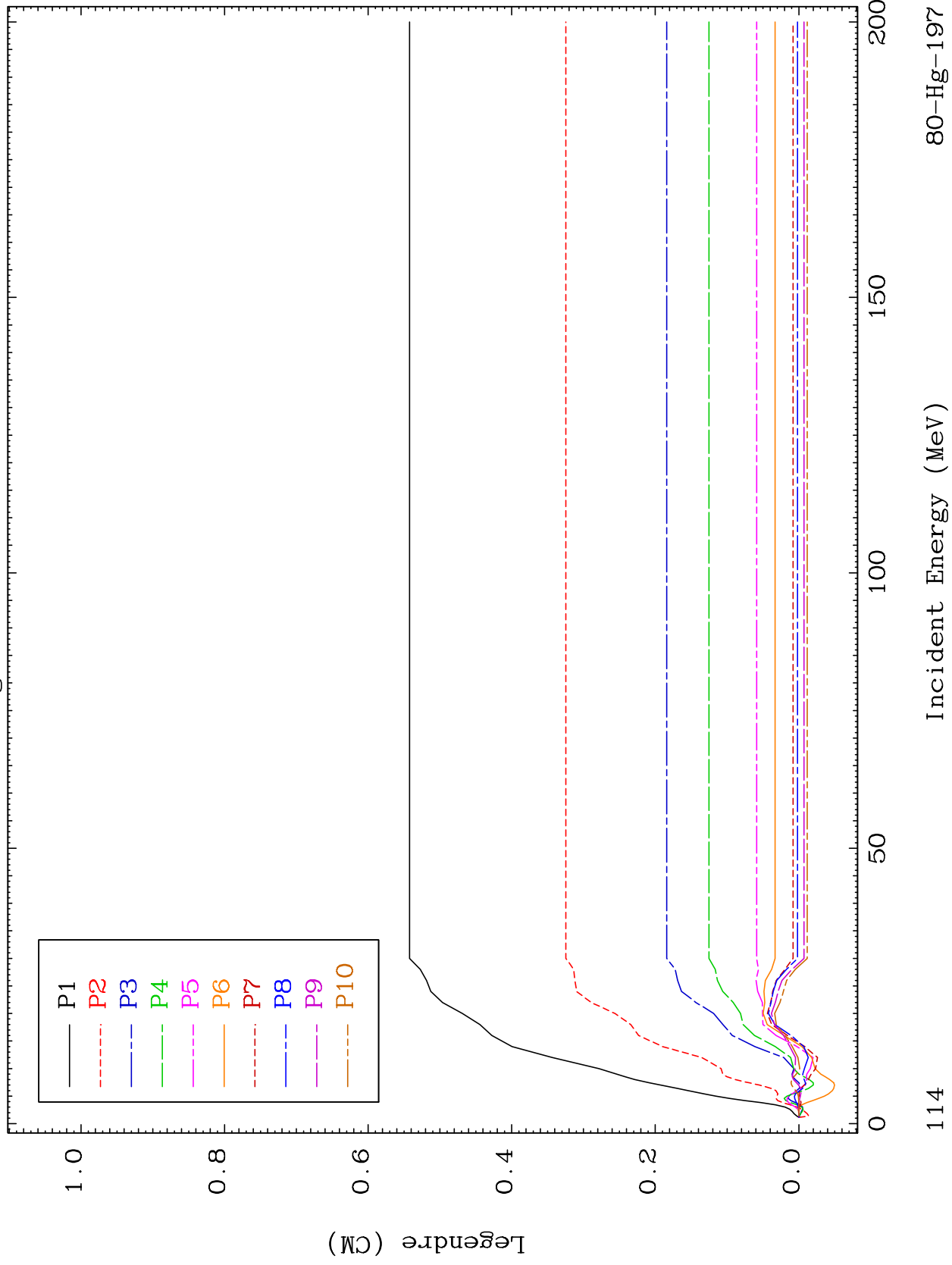
Incident Energy (MeV)

80-Hg-197

MAT 8028

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

80-Hg-197

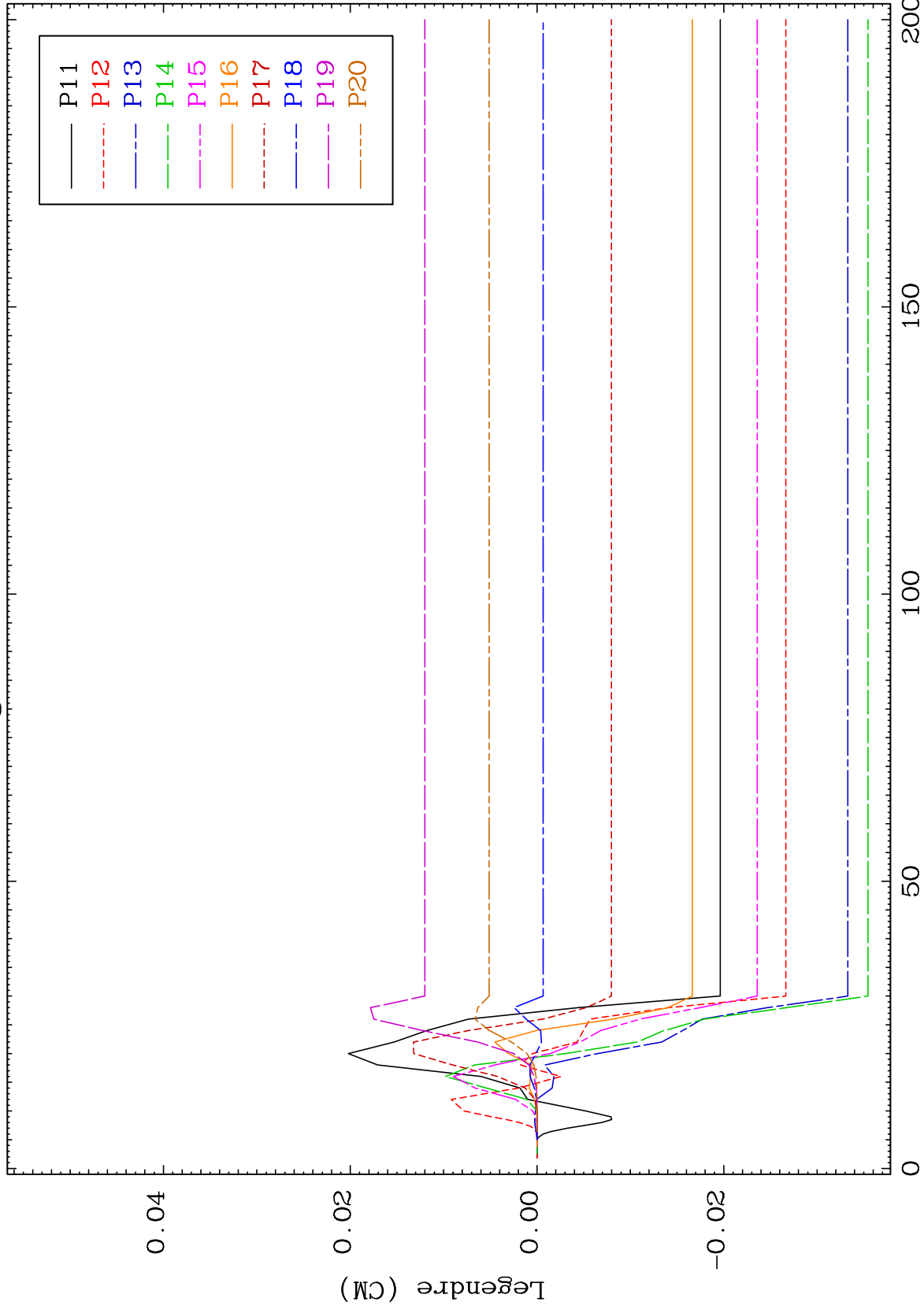


114

MAT 8028

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

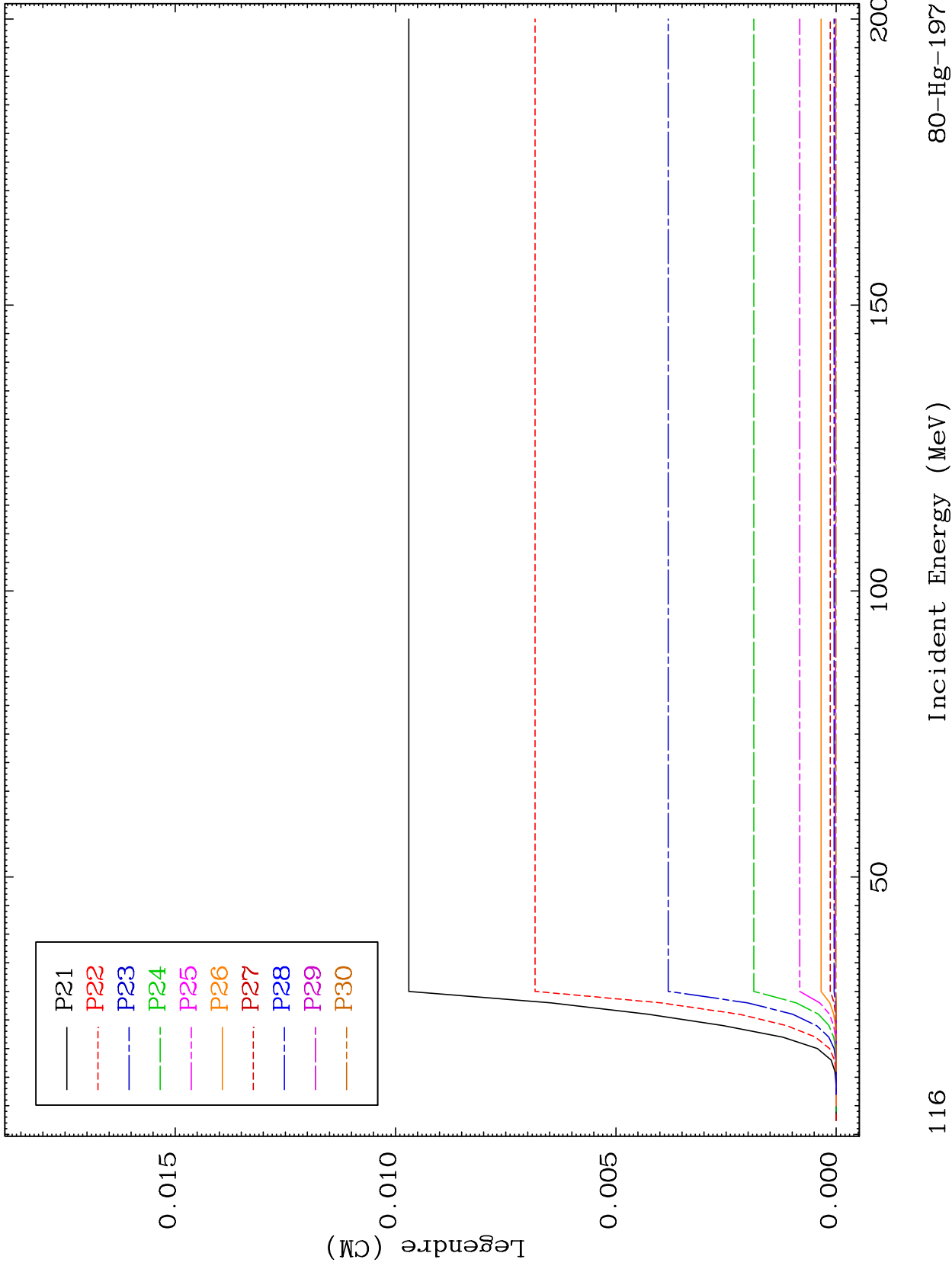
80-Hg-197



80-Hg-197

Incident Energy (MeV)

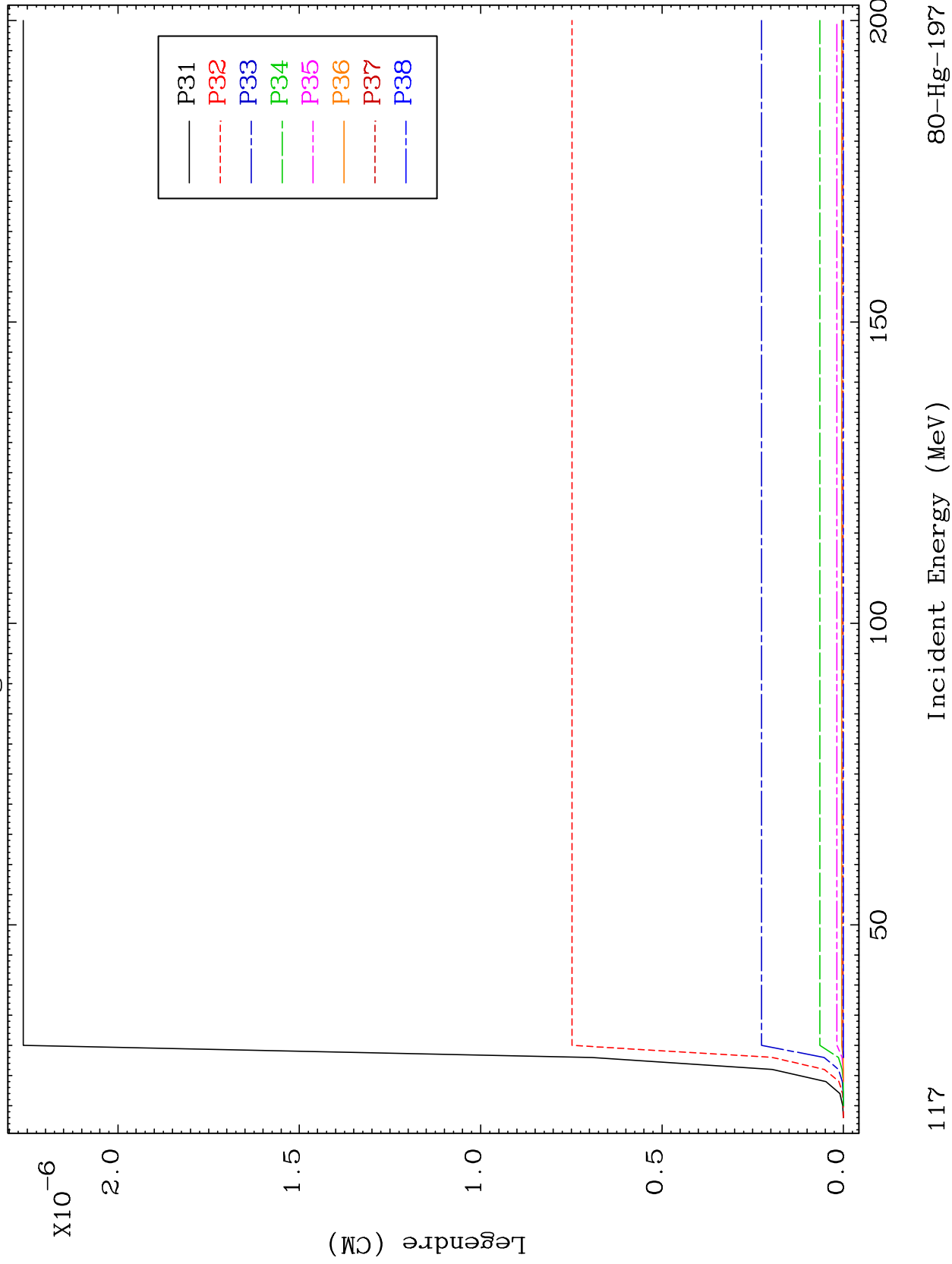
115



MAT 8028

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

80-Hg-197



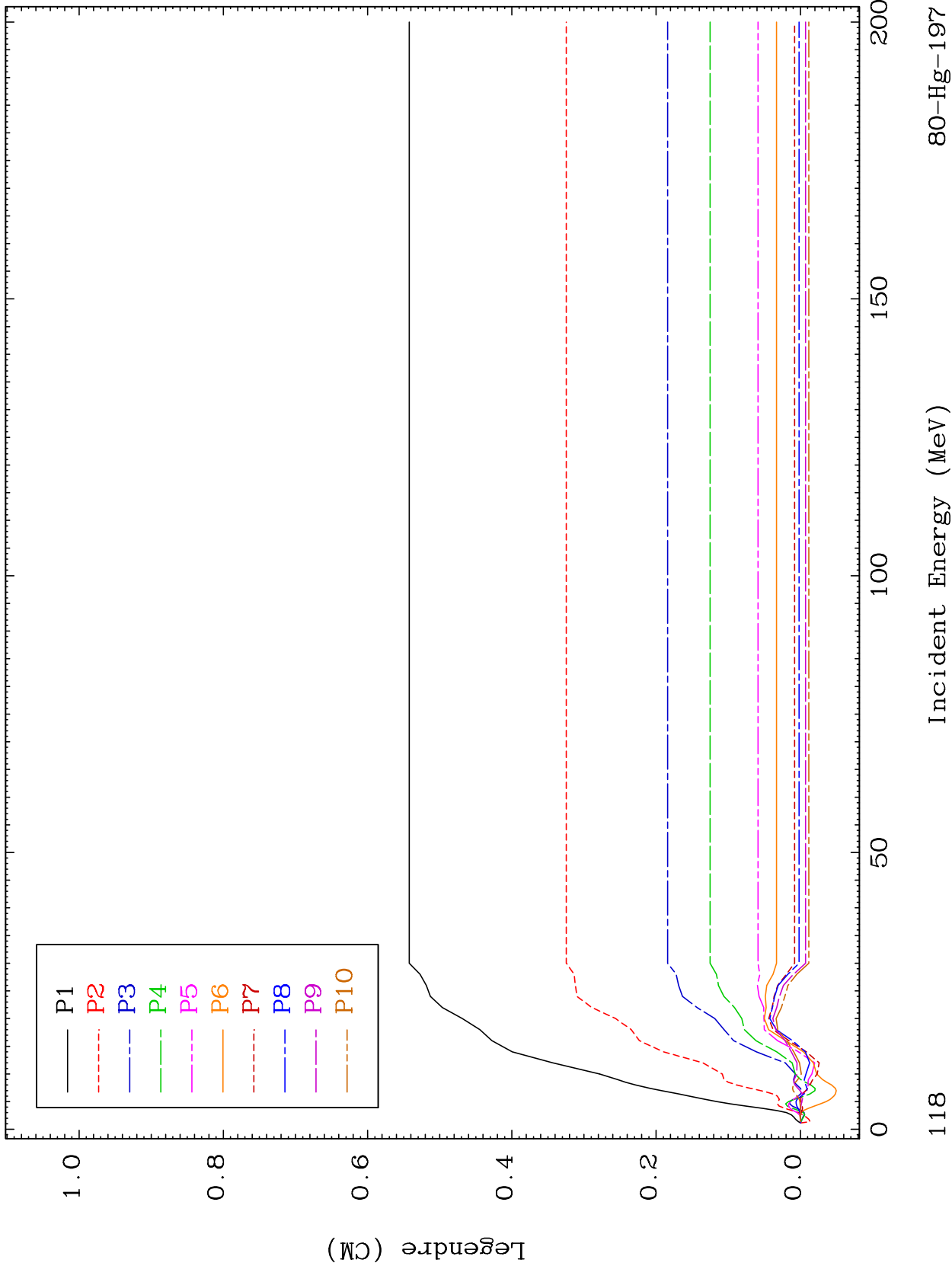
117

80-Hg-197

MAT 8028

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

80-Hg-197

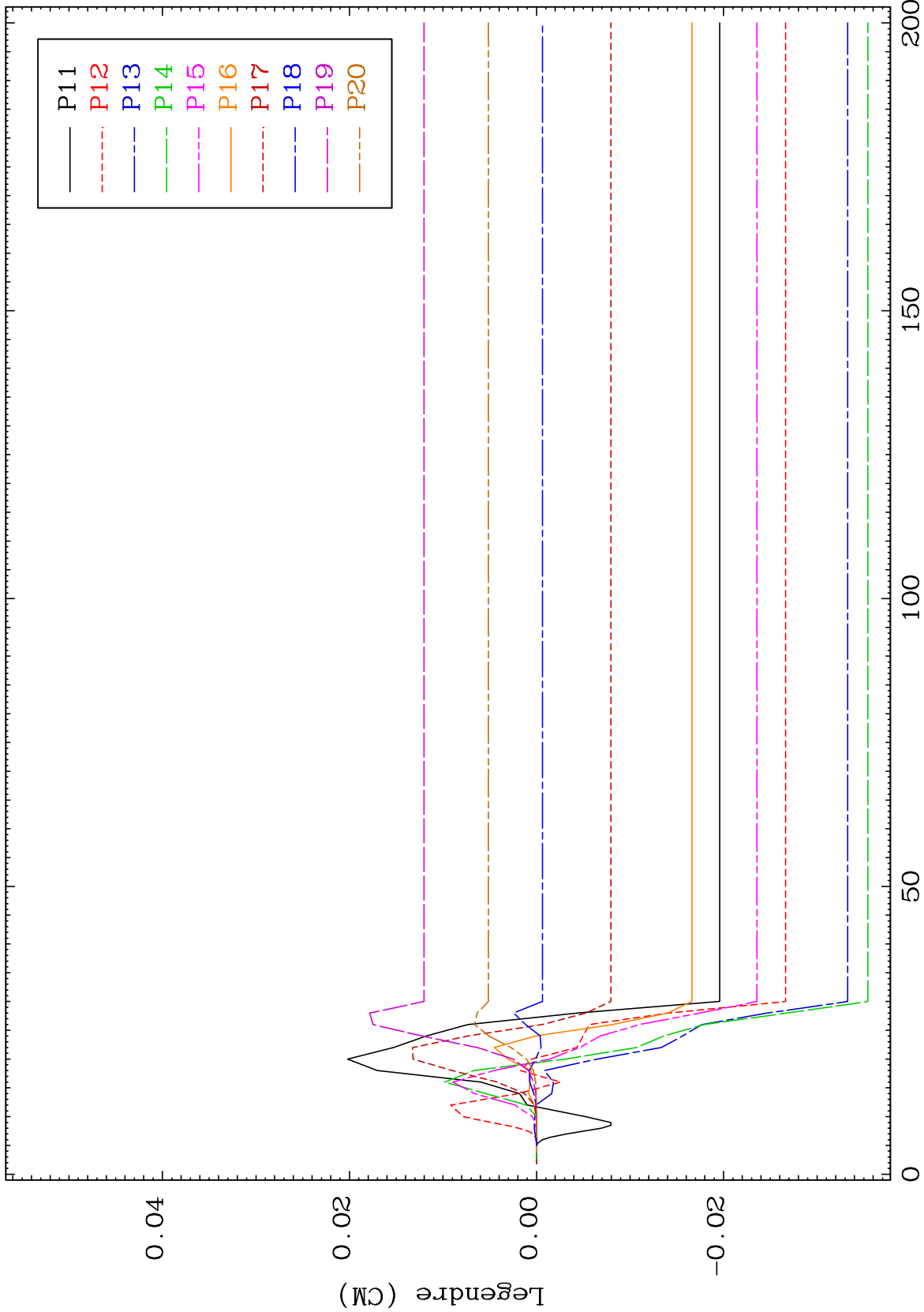


118

MAT 8028

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

80-Hg-197



119

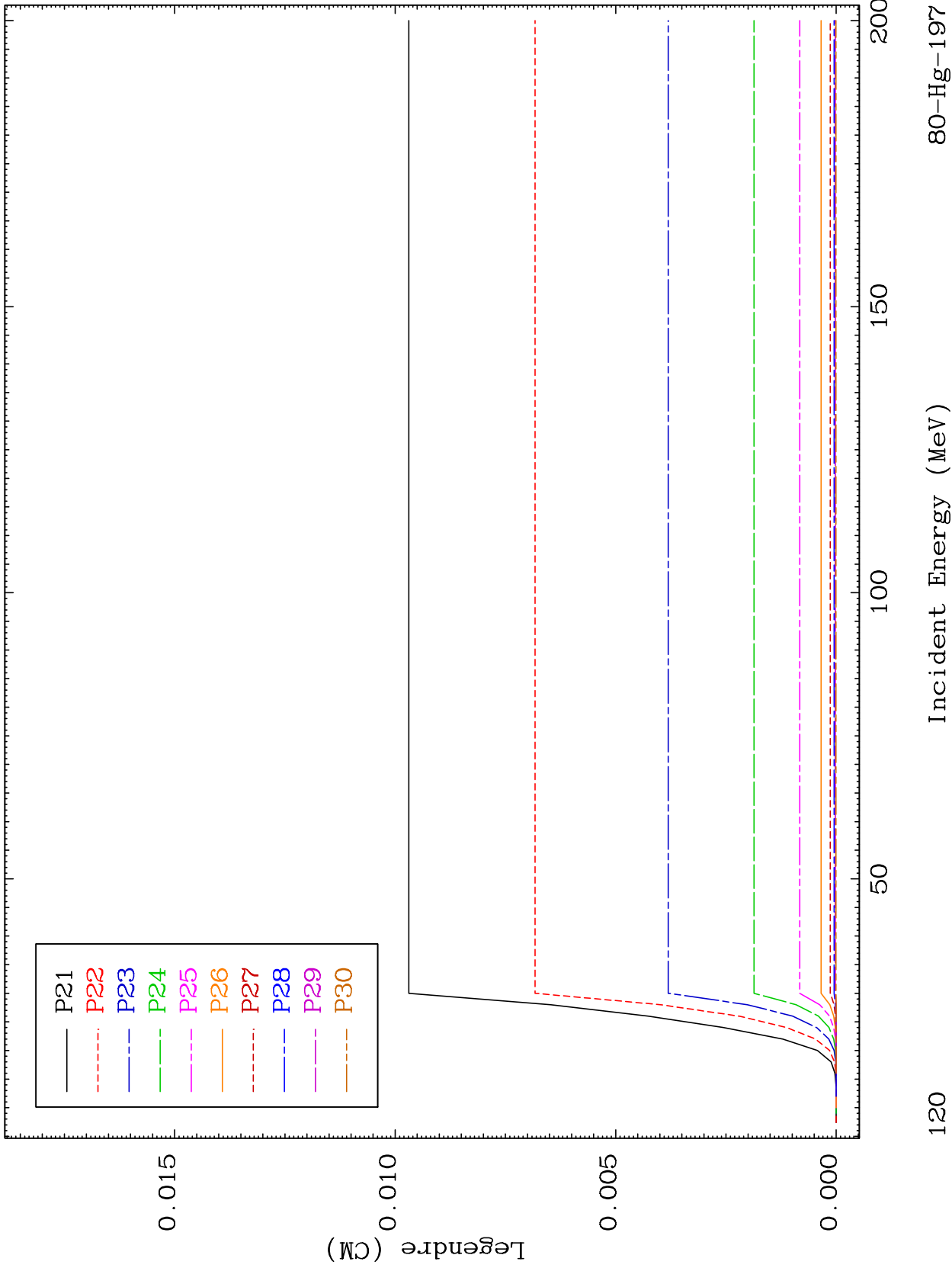
Incident Energy (MeV)

80-Hg-197

MAT 8028

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

80-Hg-197



120

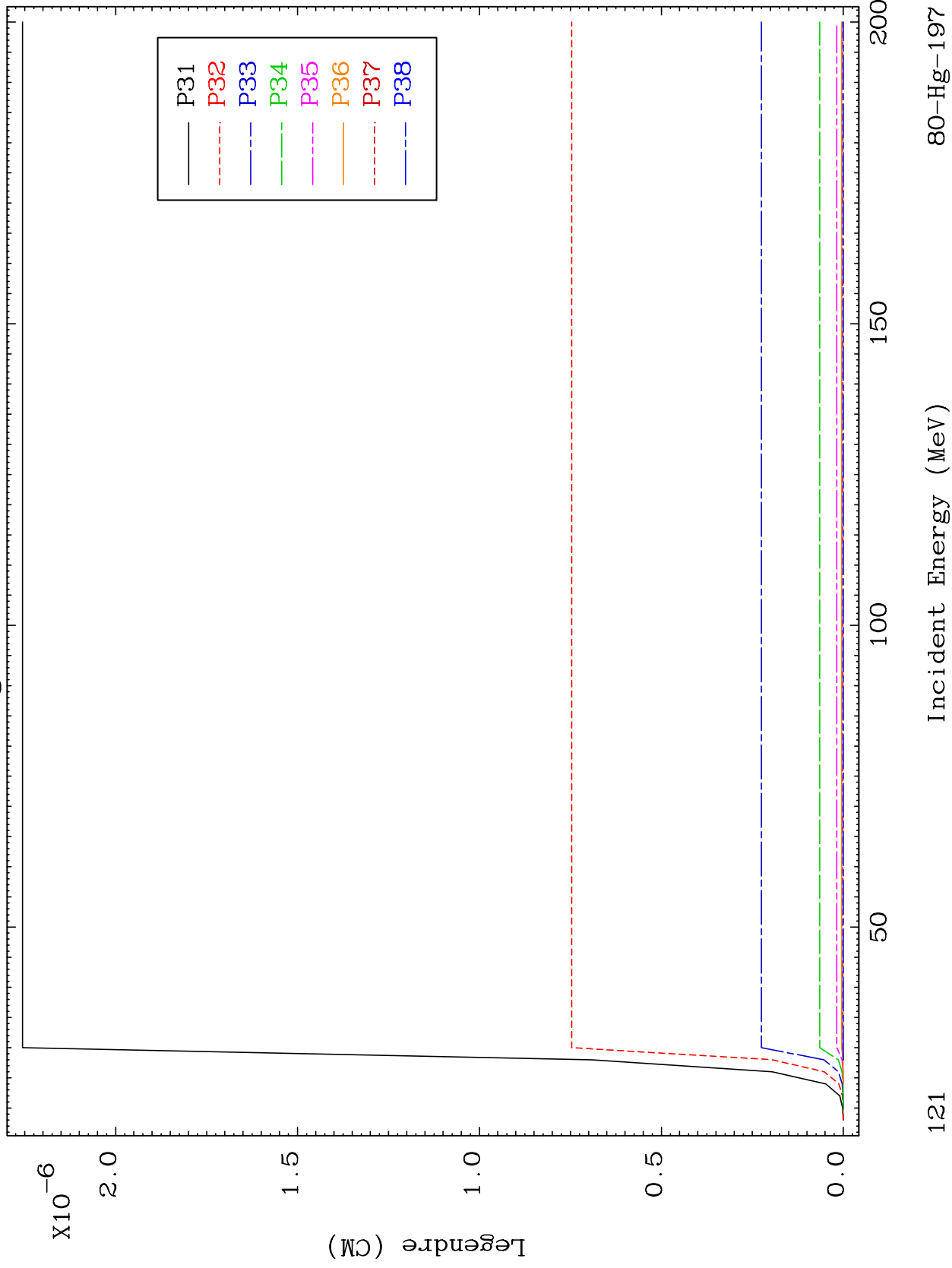
Incident Energy (MeV)

80-Hg-197

MAT 8028

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

80-Hg-197



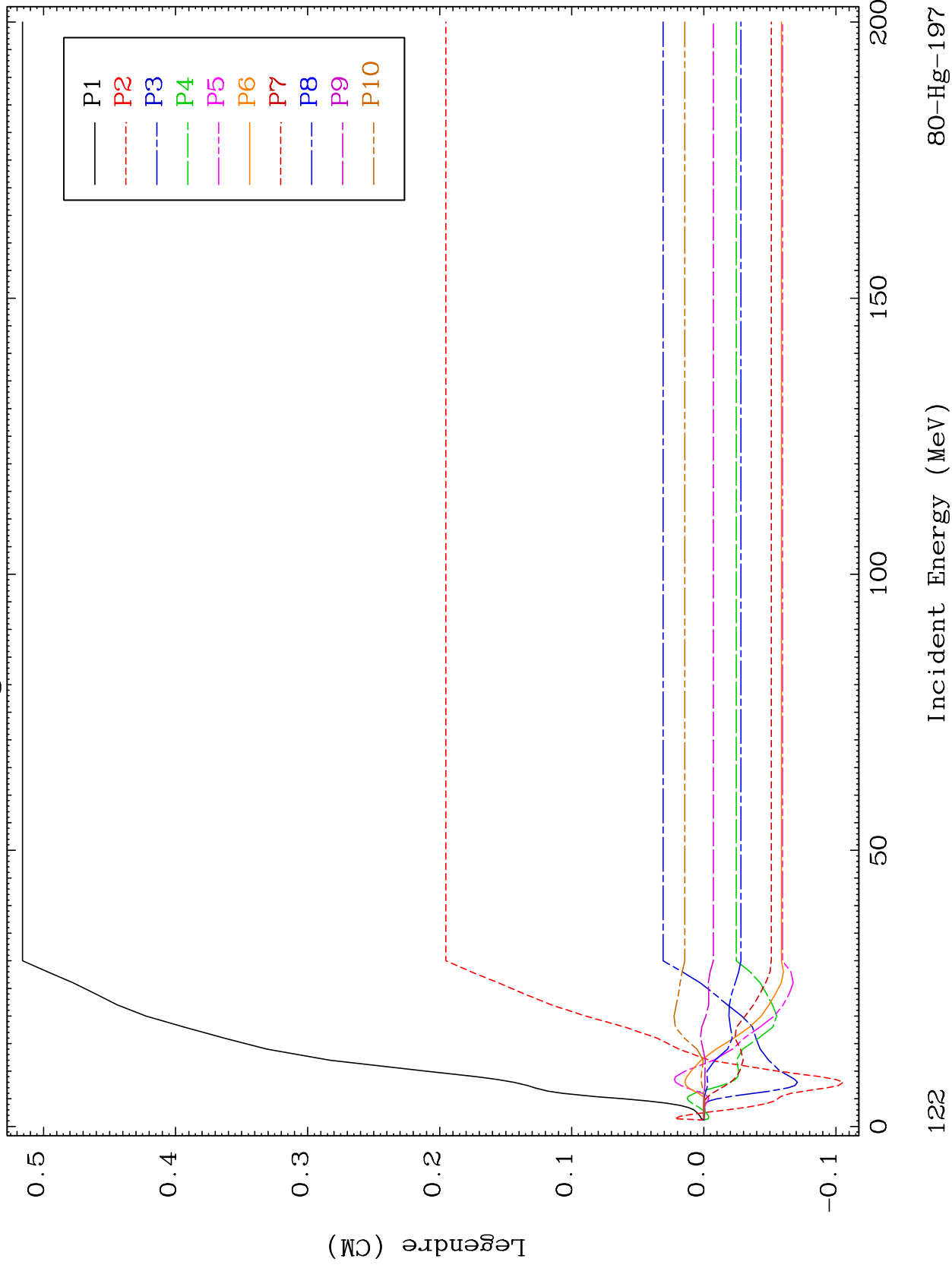
121

80-Hg-197

MAT 8028

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

80-Hg-197

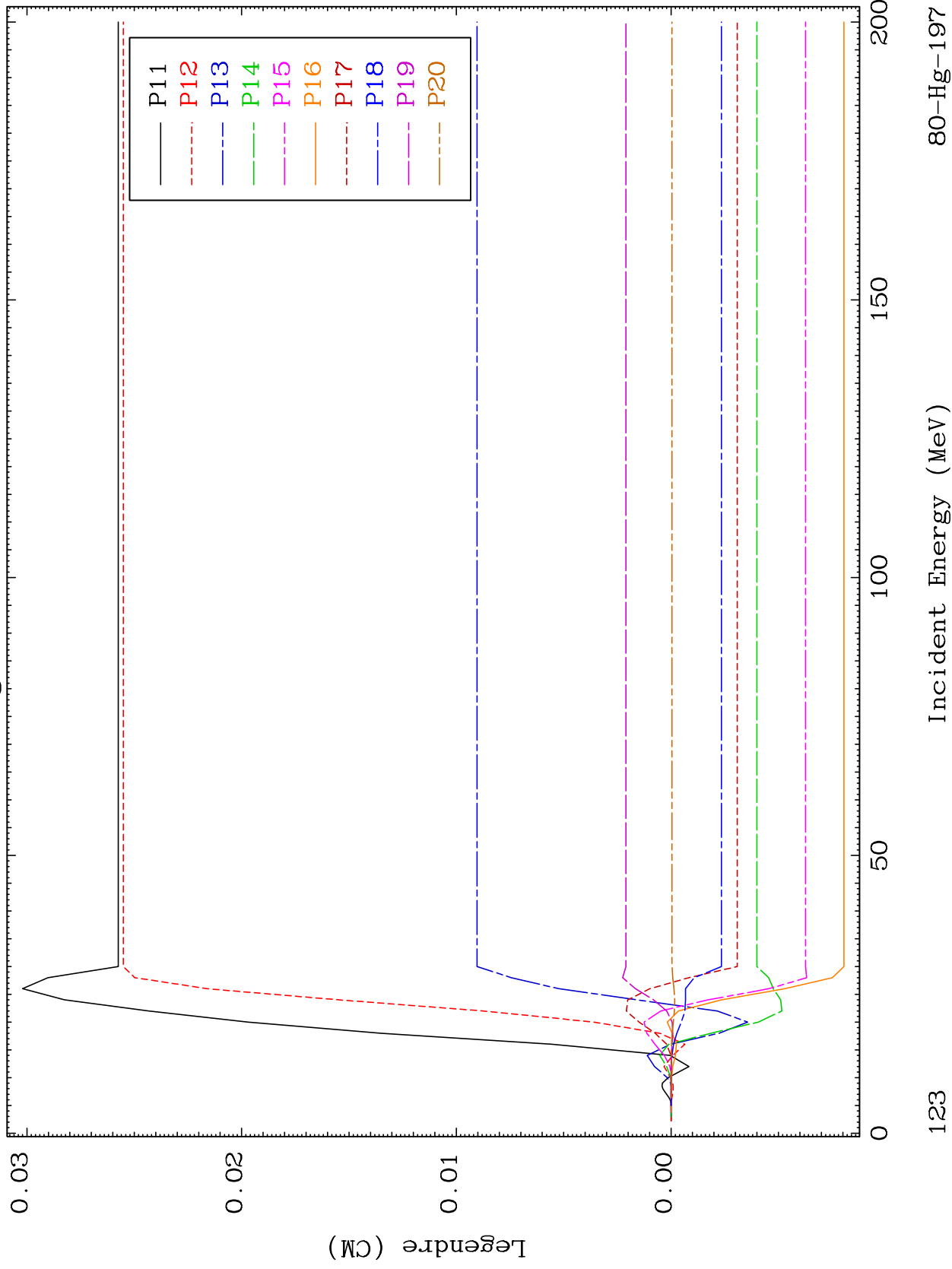


122

MAT 8028

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

80-Hg-197



80-Hg-197

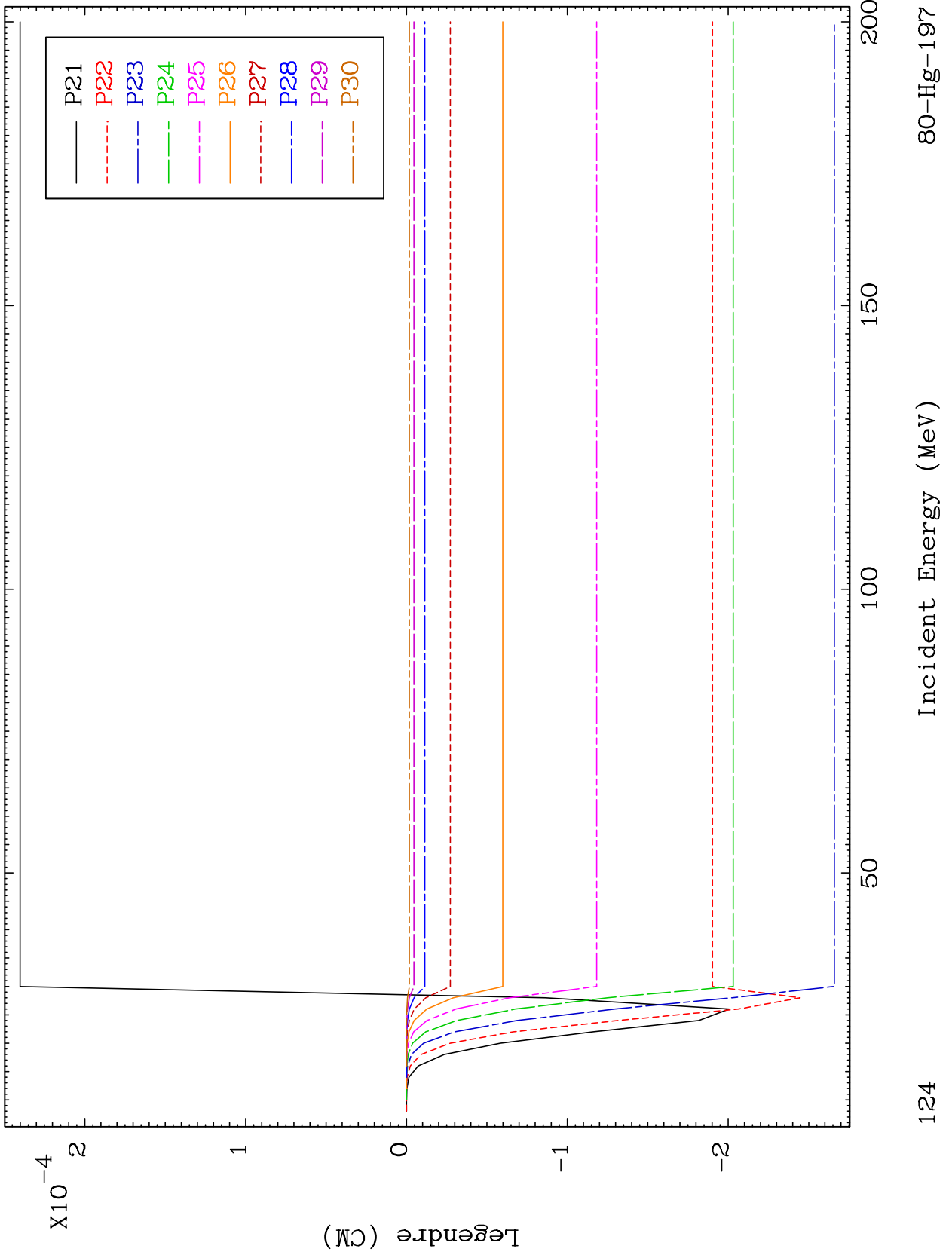
Incident Energy (MeV)

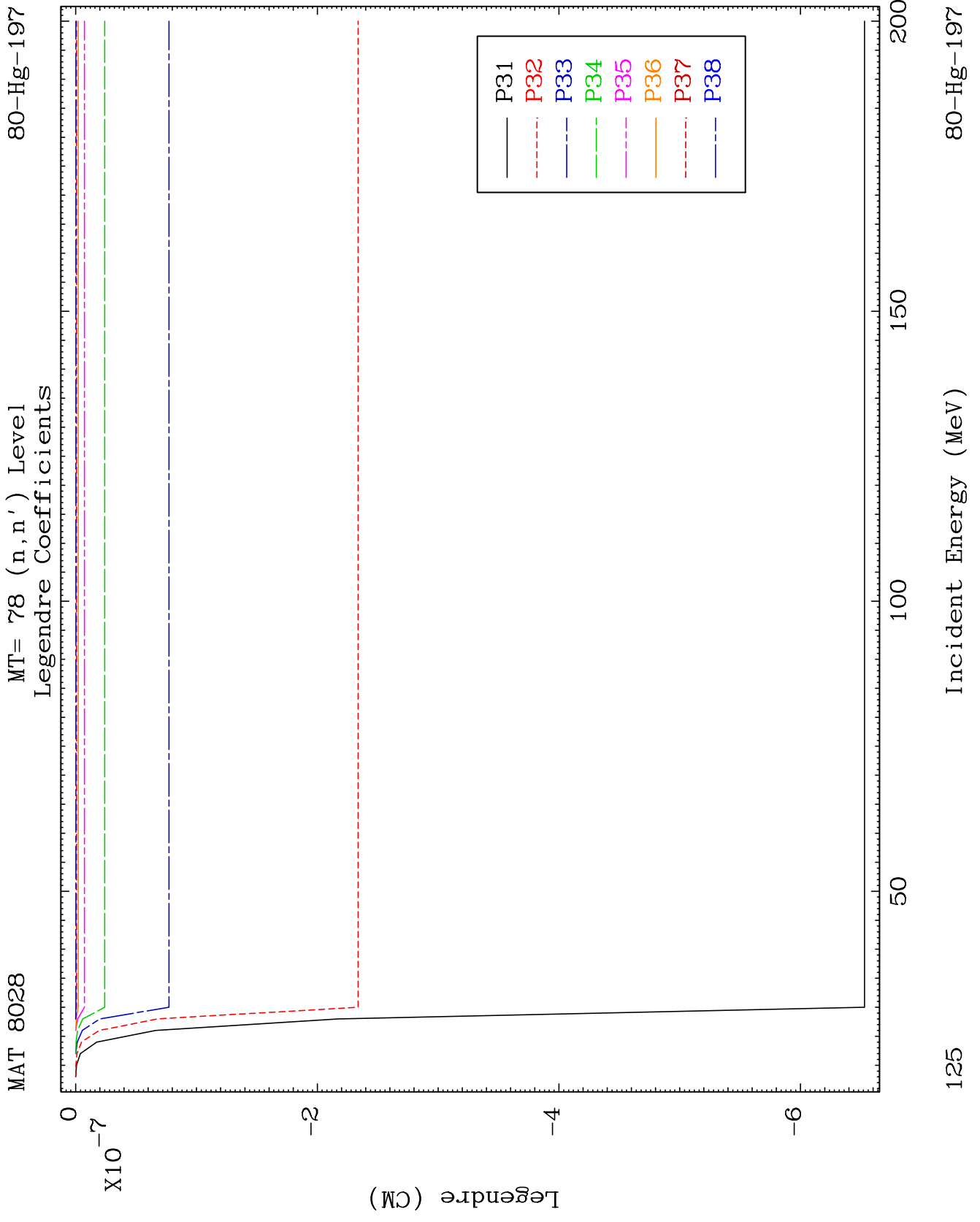
123

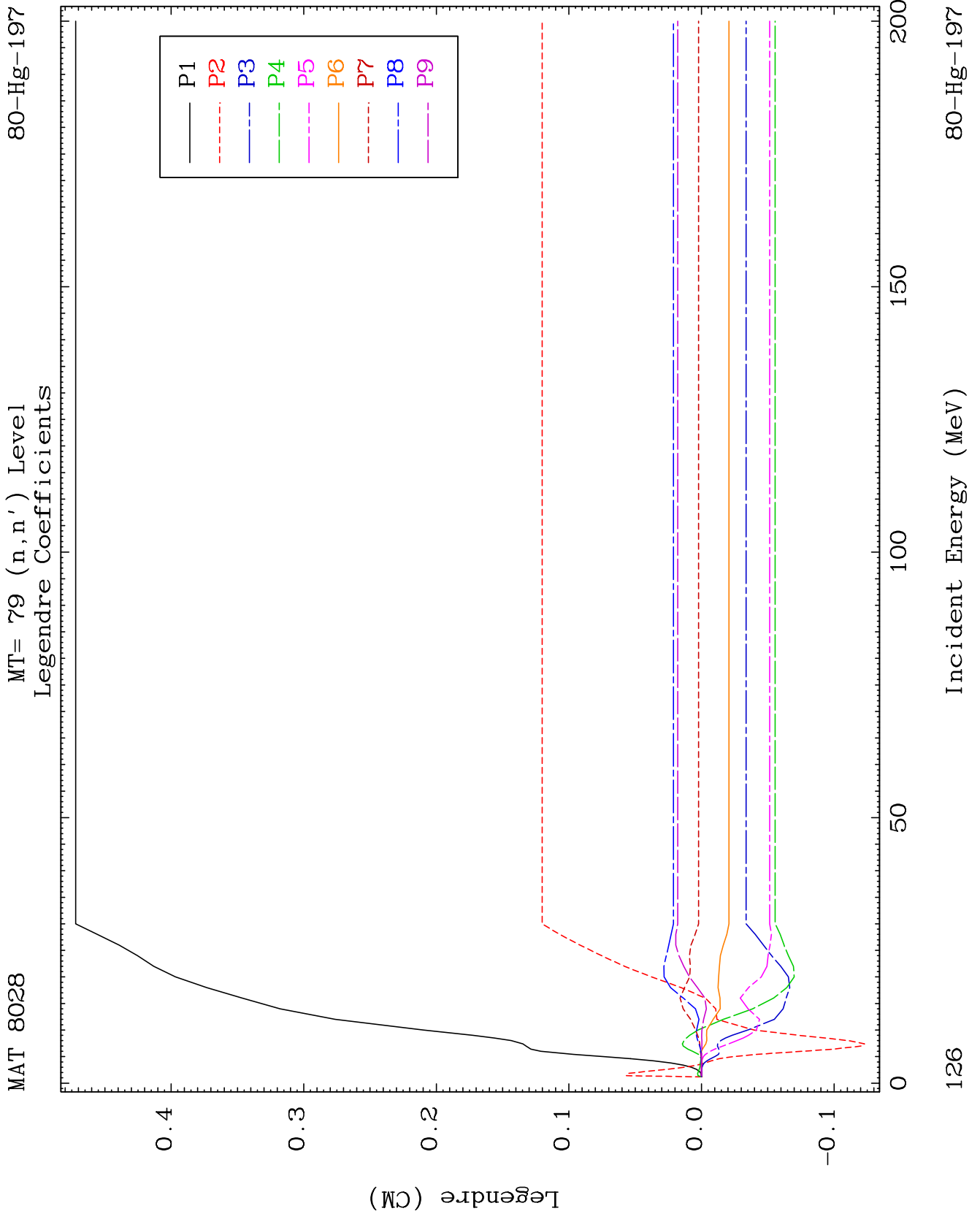
MAT 8028

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

80-Hg-197



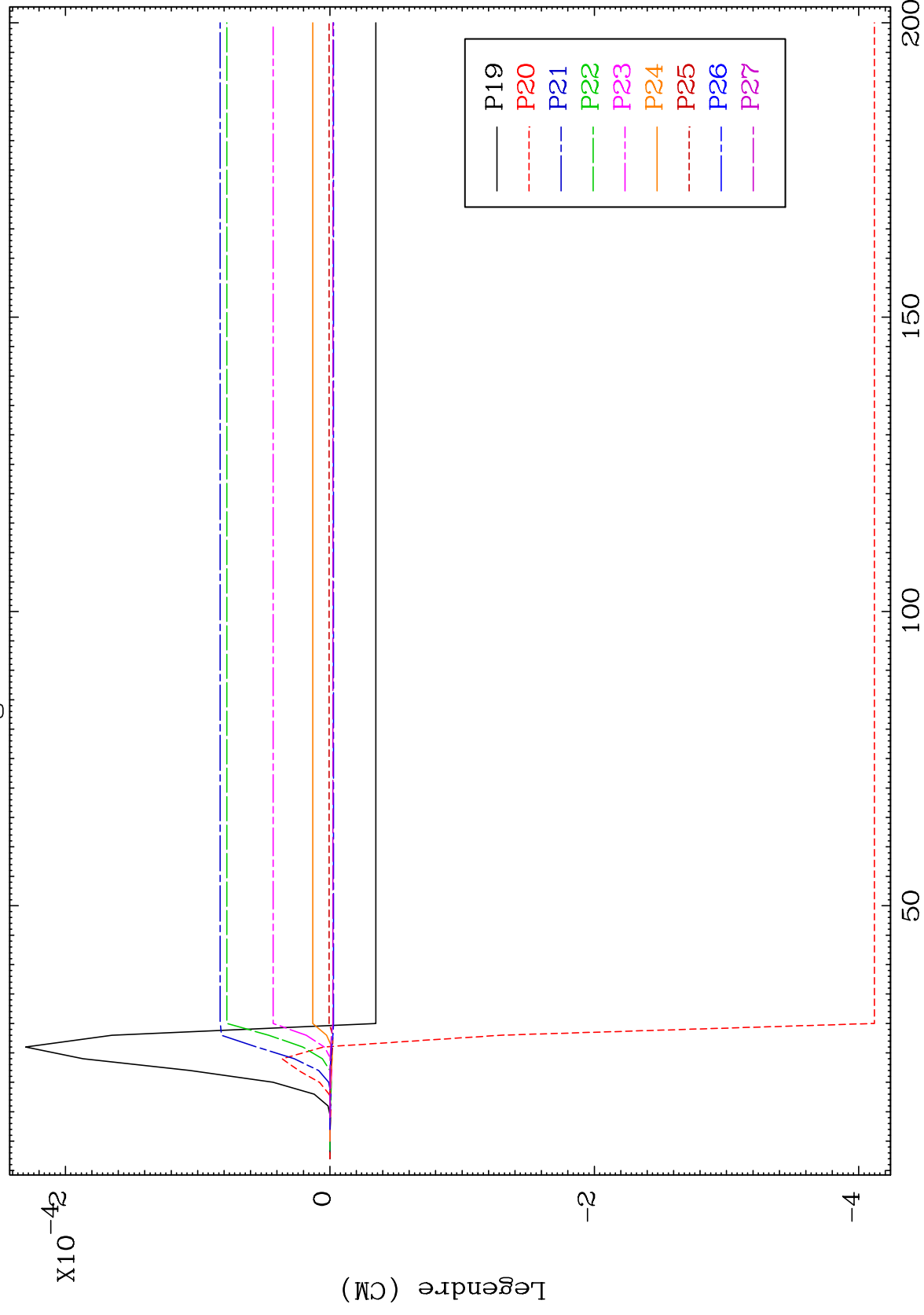




MAT 8028

MT= 79 (n,n') Level
Legendre Coefficients

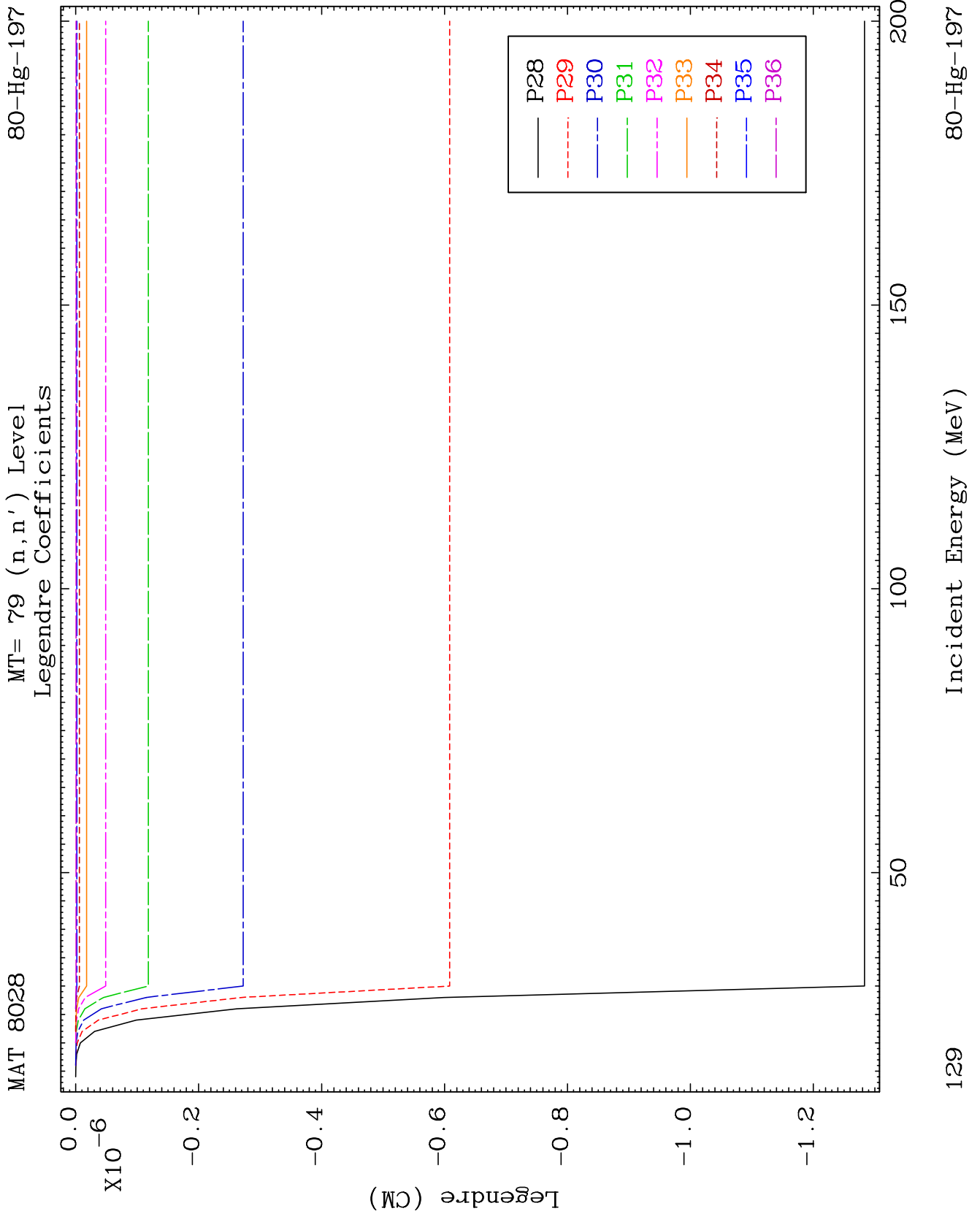
80-Hg-197

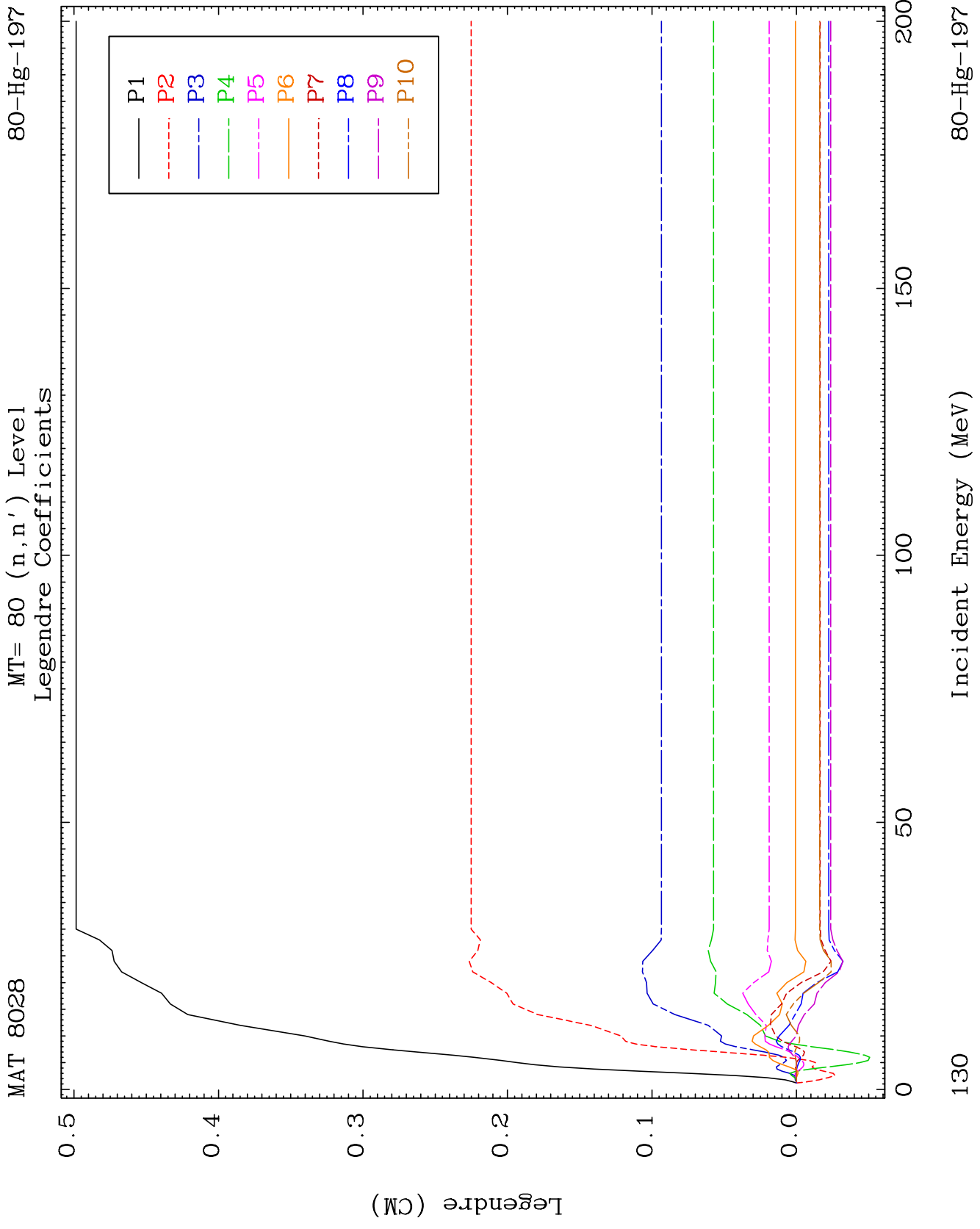


128

Incident Energy (MeV)

80-Hg-197

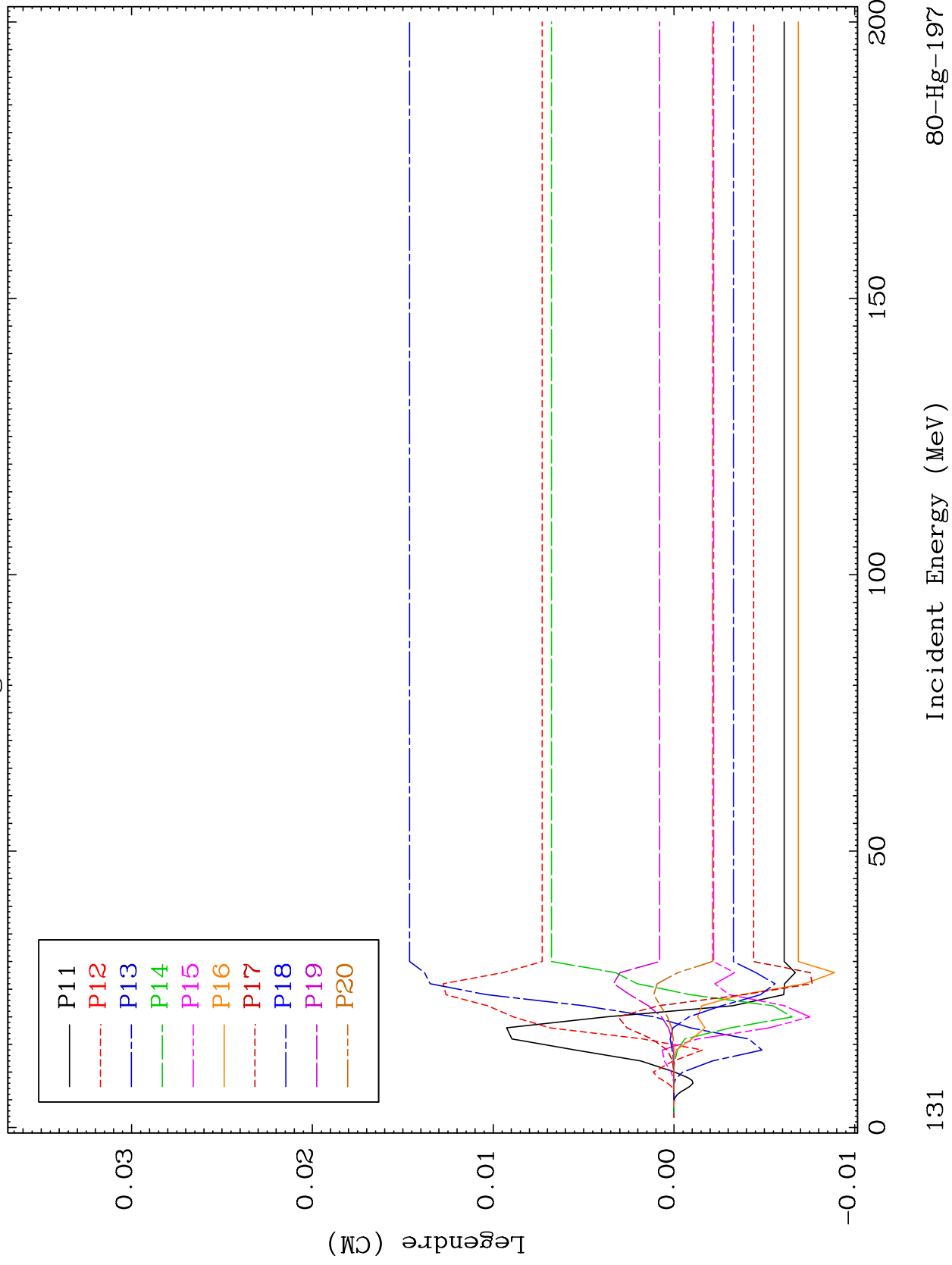




MAT 8028

MT= 80 (n,n') Level
Legendre Coefficients

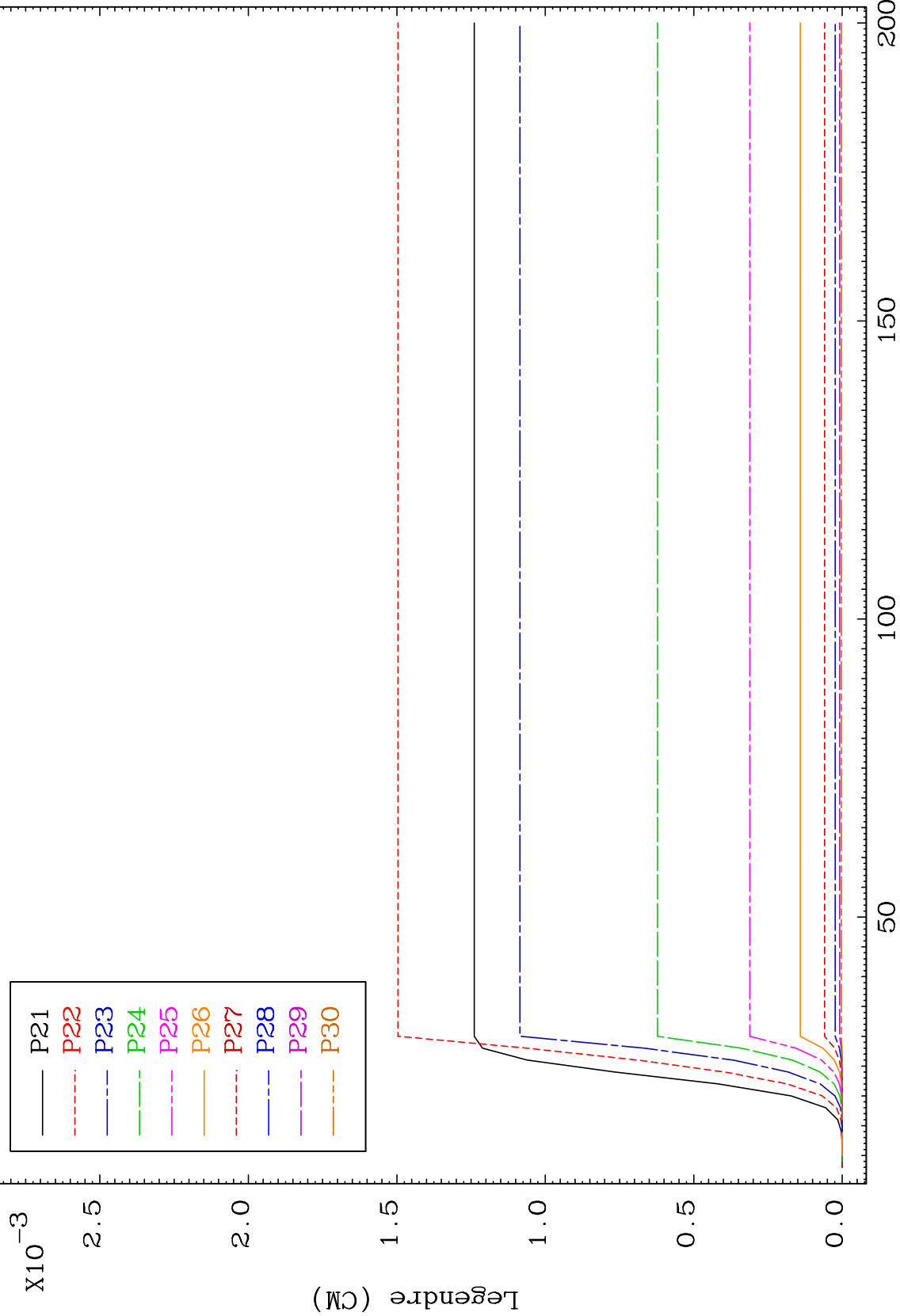
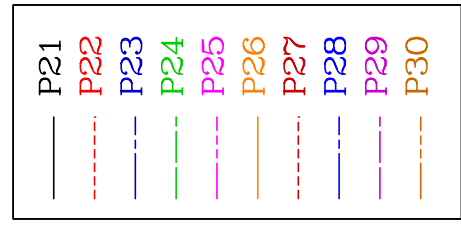
80-Hg-197



MAT 8028

MT= 80 (n,n') Level
Legendre Coefficients

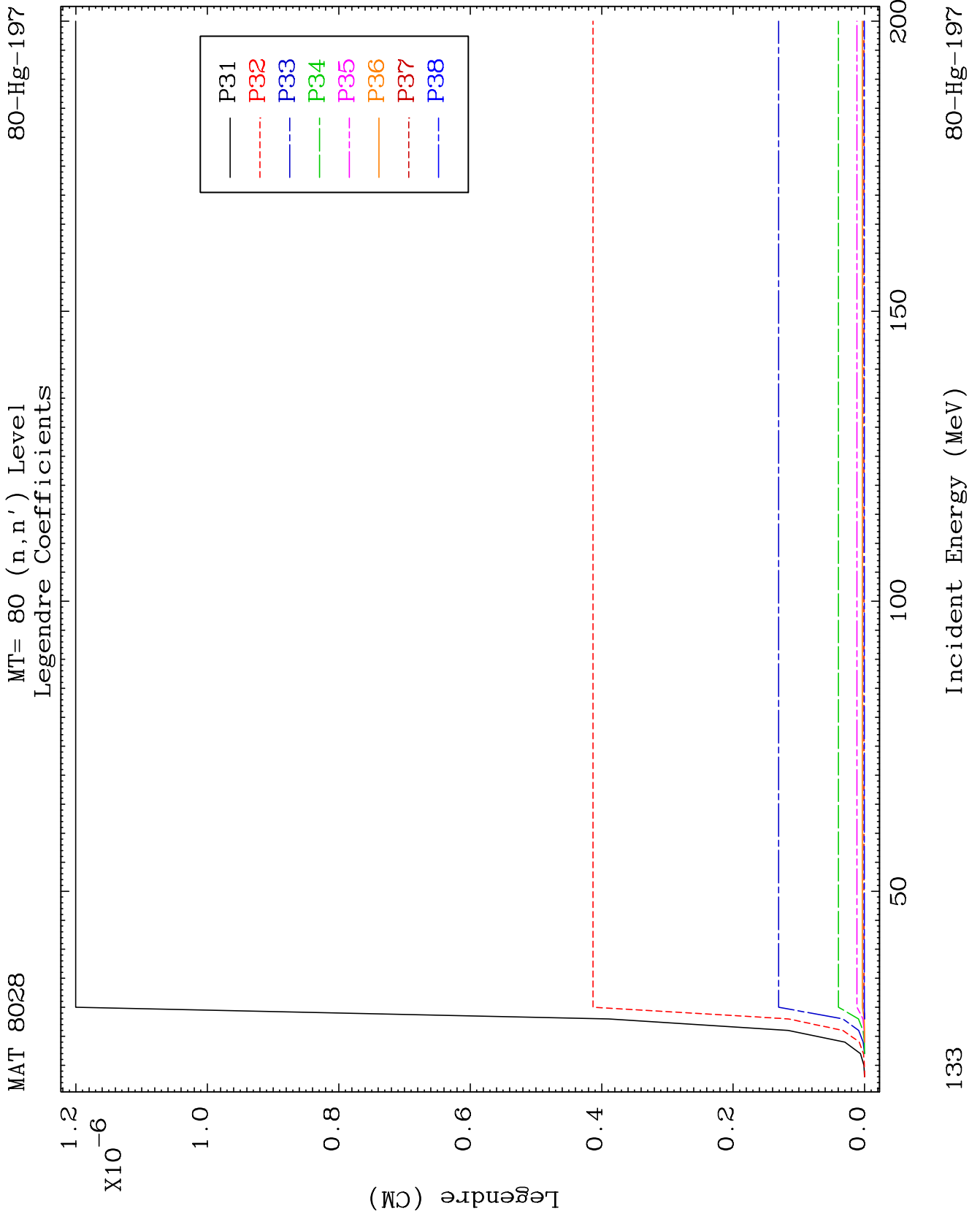
80-Hg-197



132

Incident Energy (MeV)

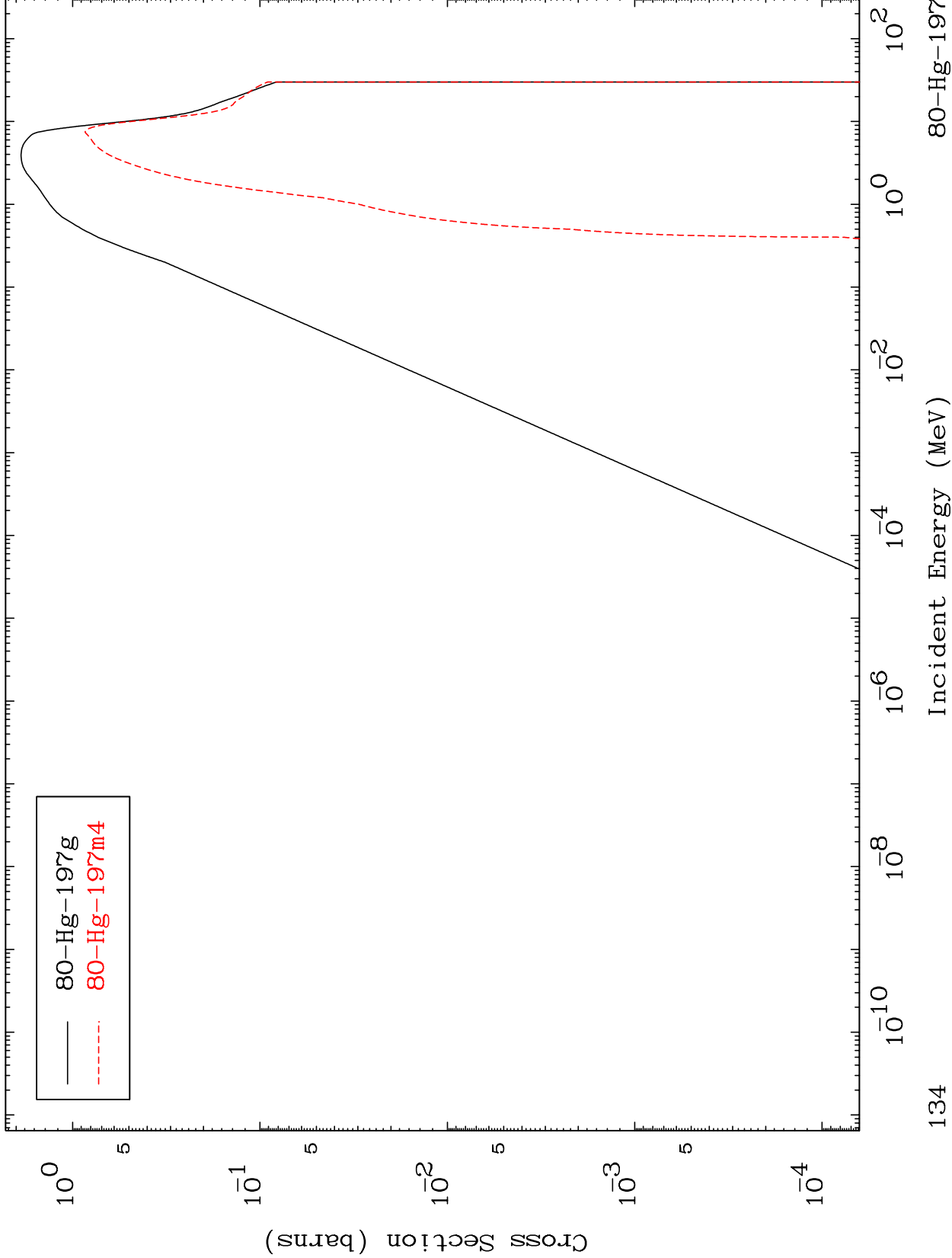
80-Hg-197



MAT 8028

Inelastic
Radionuclide Production Cross Section

80-Hg-197



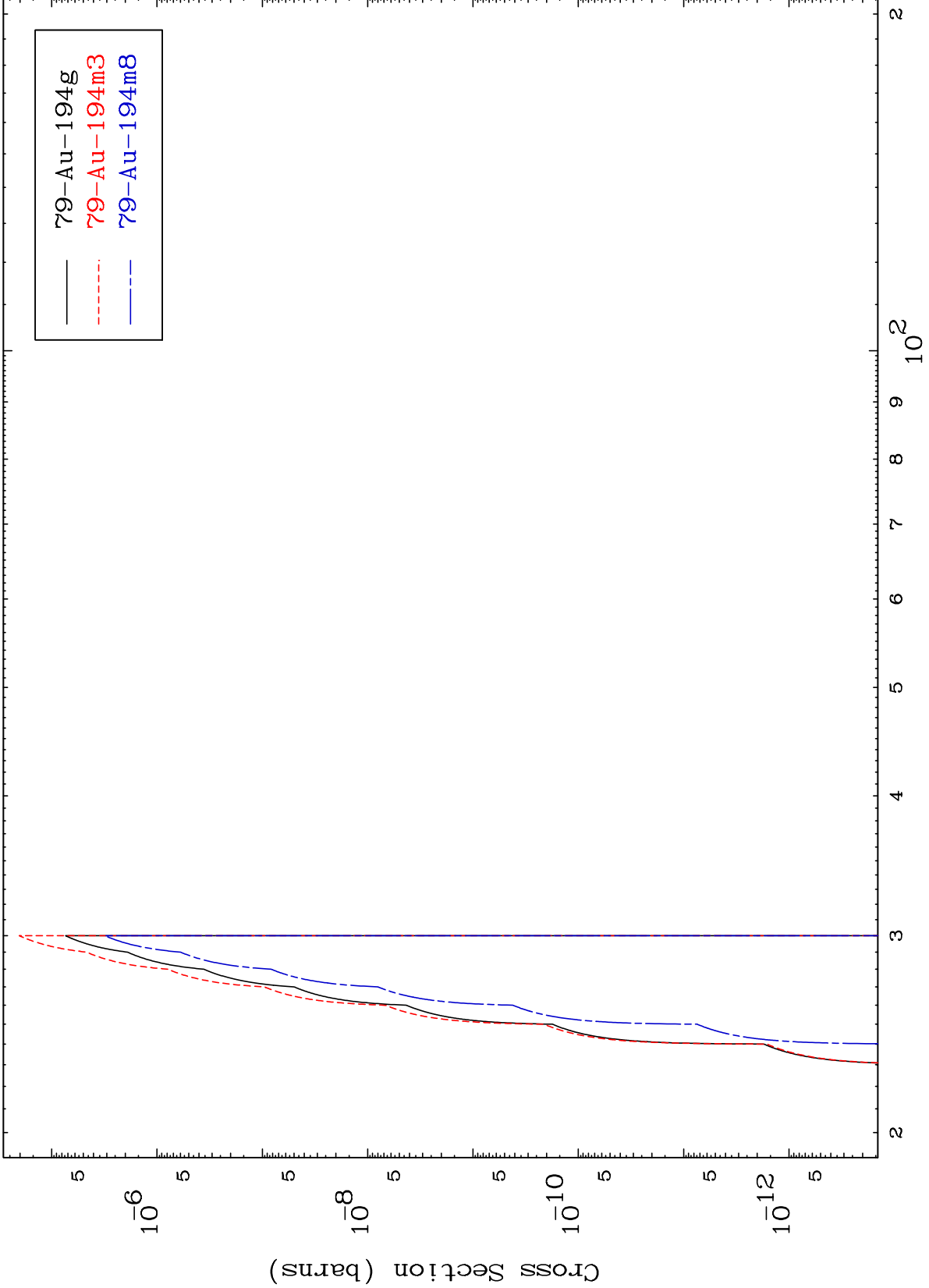
80-Hg-197g
80-Hg-197m4

MAT 8028

(n,2n) d

80-Hg-197

Radionuclide Production Cross Section



135

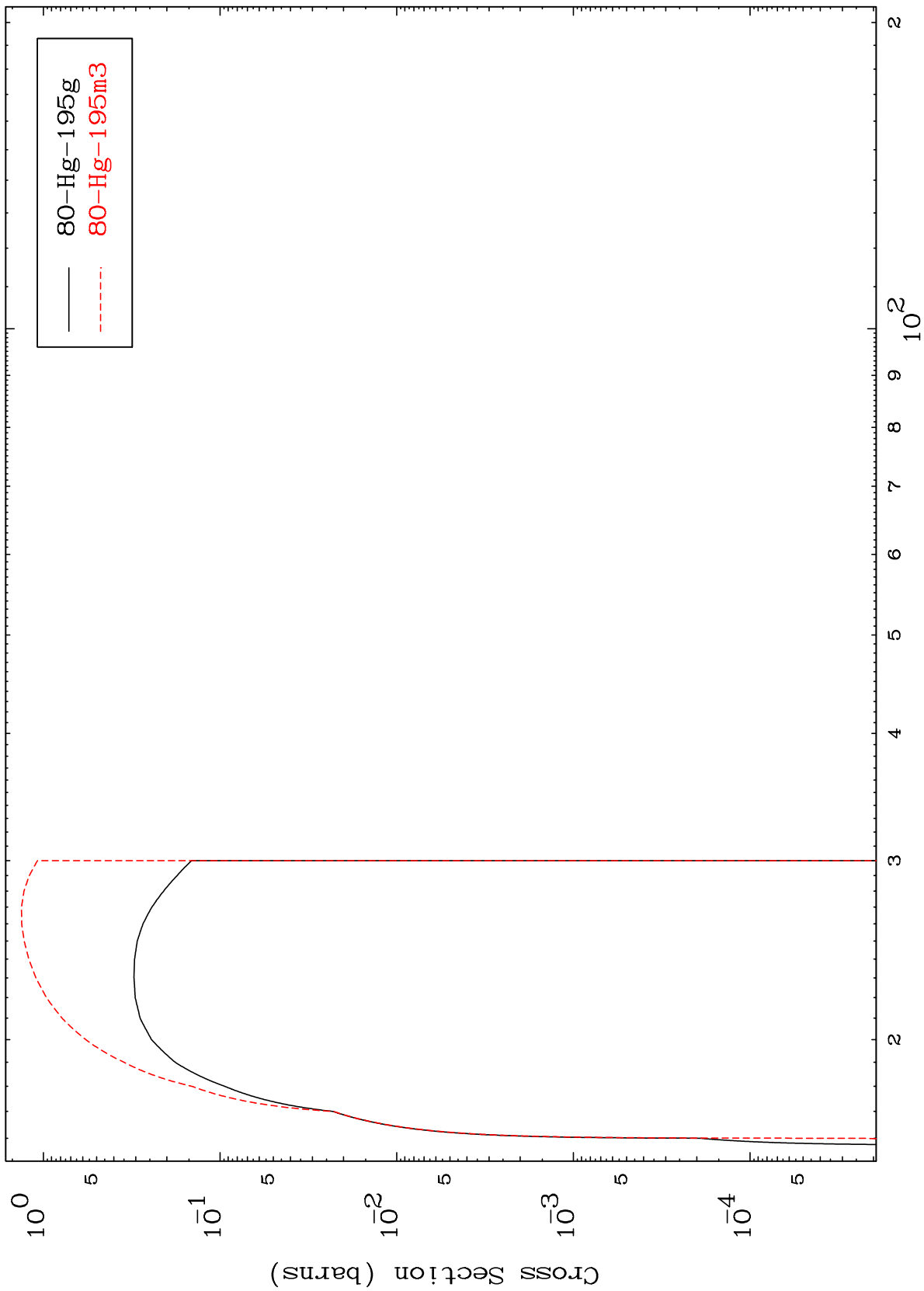
Incident Energy (MeV)

80-Hg-197

MAT 8028

80-Hg-197

(n,3n)
Radionuclide Production Cross Section



136

Incident Energy (MeV)

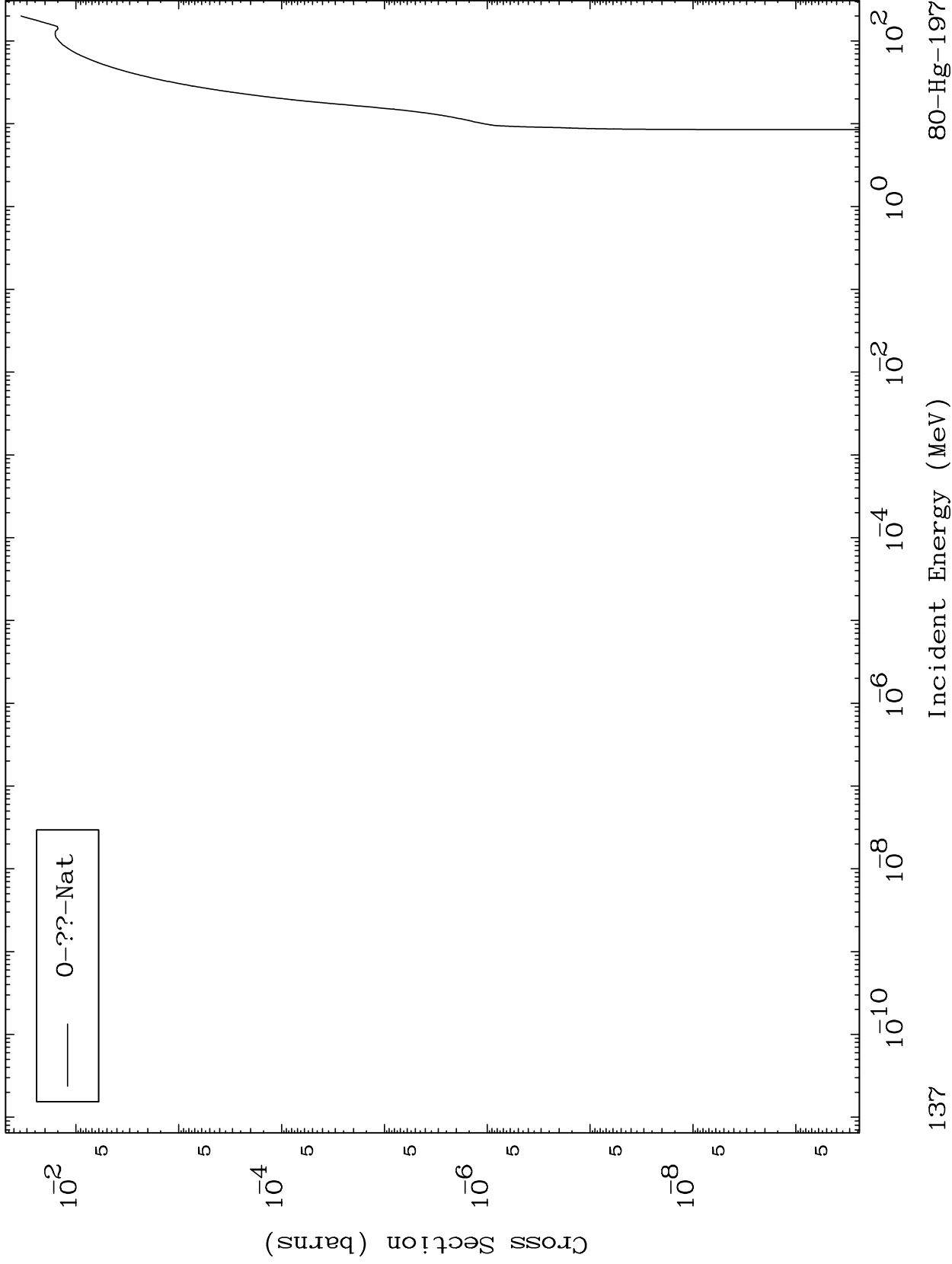
80-Hg-197

MAT 8028

Fission

80-Hg-197

Radionuclide Production Cross Section

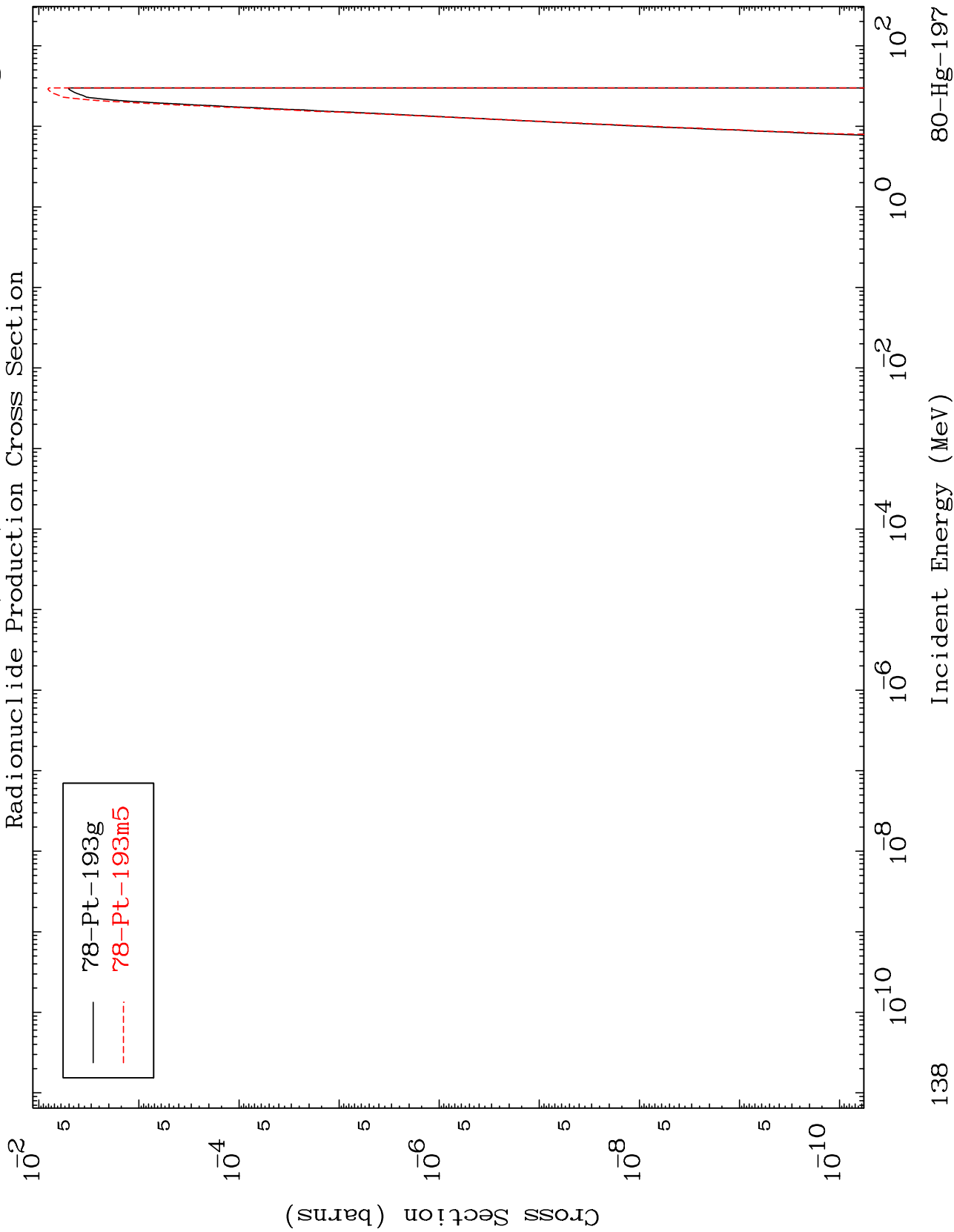


137

MAT 8028

$(n, n') \alpha$

80-Hg-197

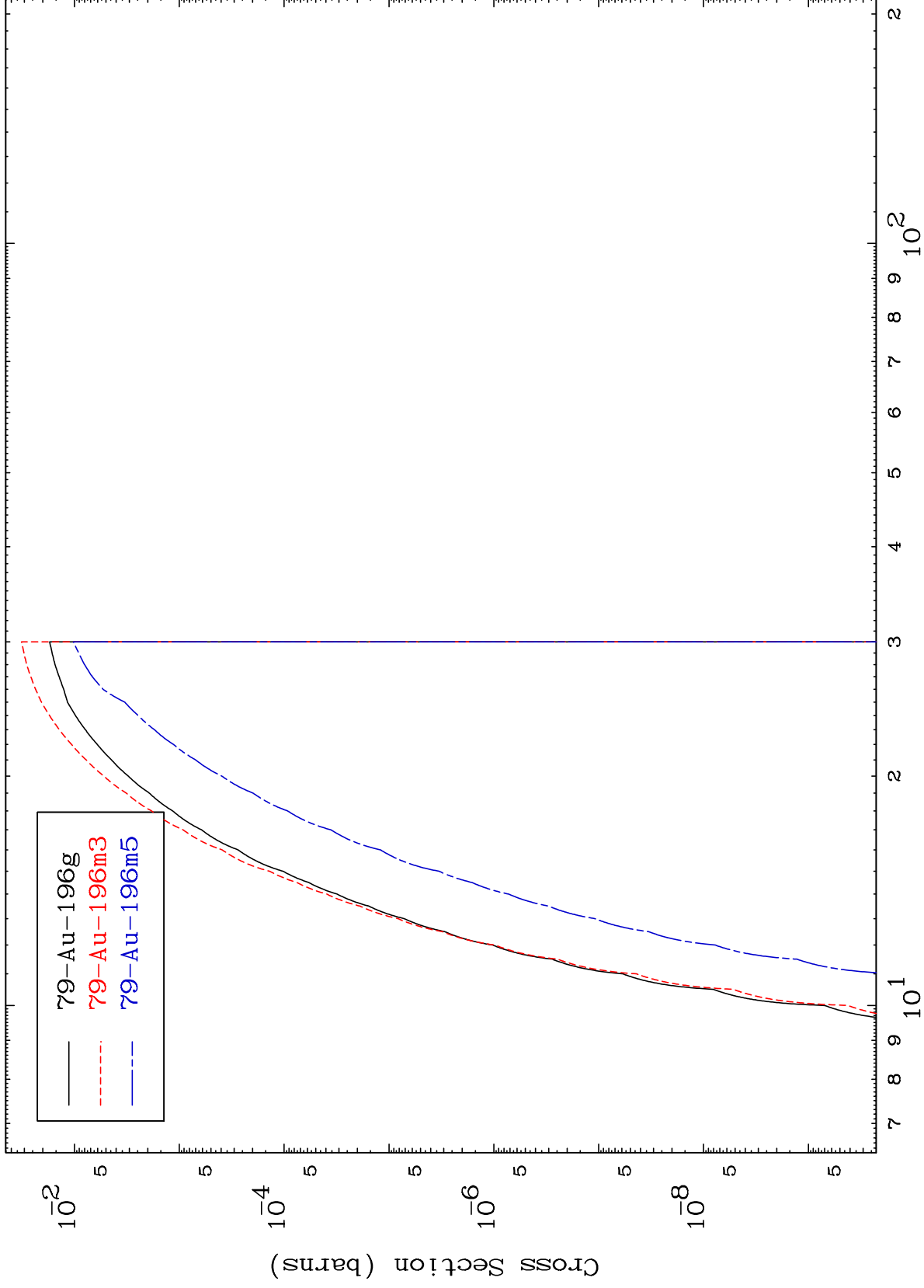


MAT 8028

(n,n') p

80-Hg-197

Radionuclide Production Cross Section



139

Incident Energy (MeV)

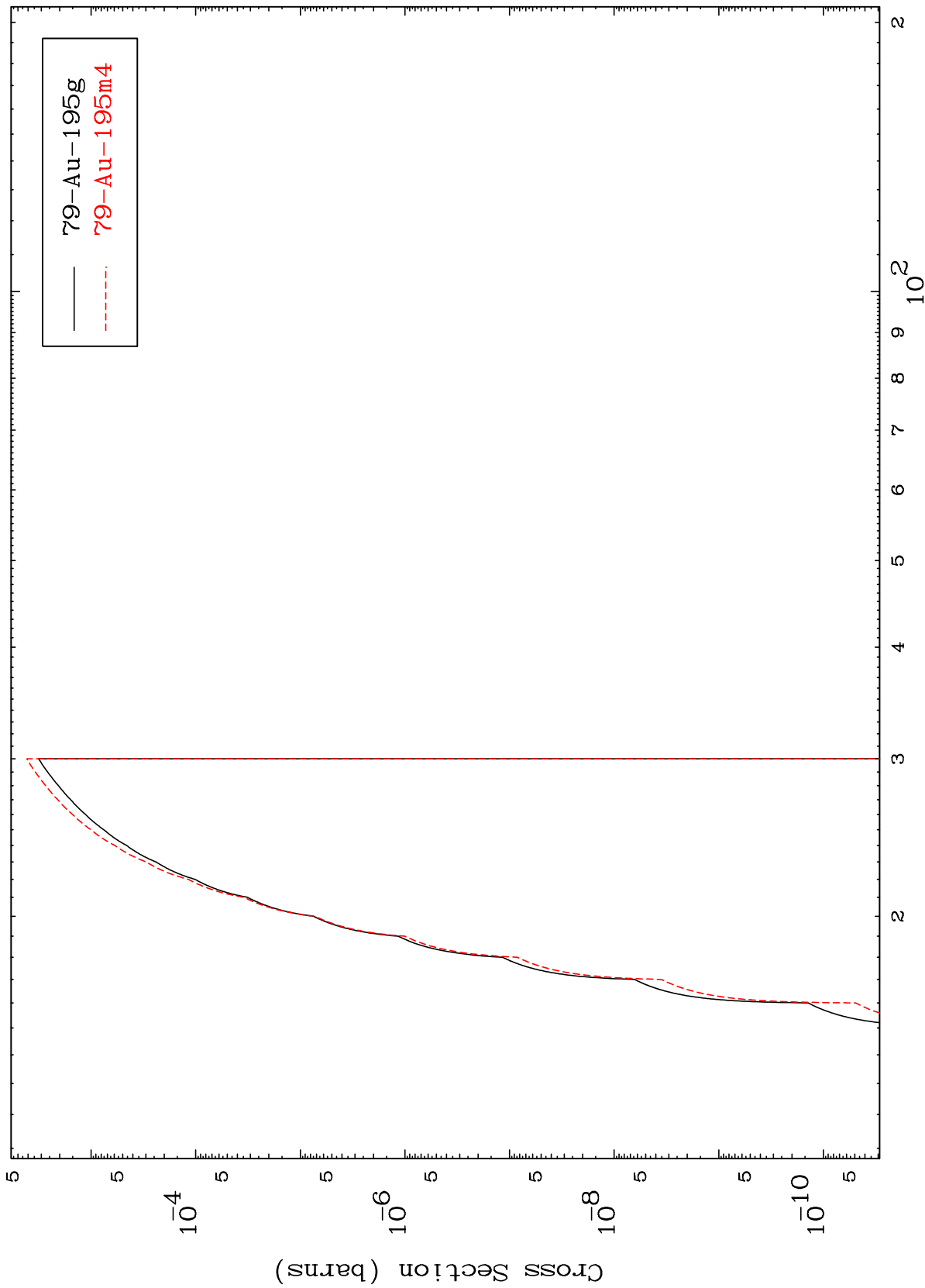
80-Hg-197

MAT 8028

(n,n') d

80-Hg-197

Radionuclide Production Cross Section



140

Incident Energy (MeV)

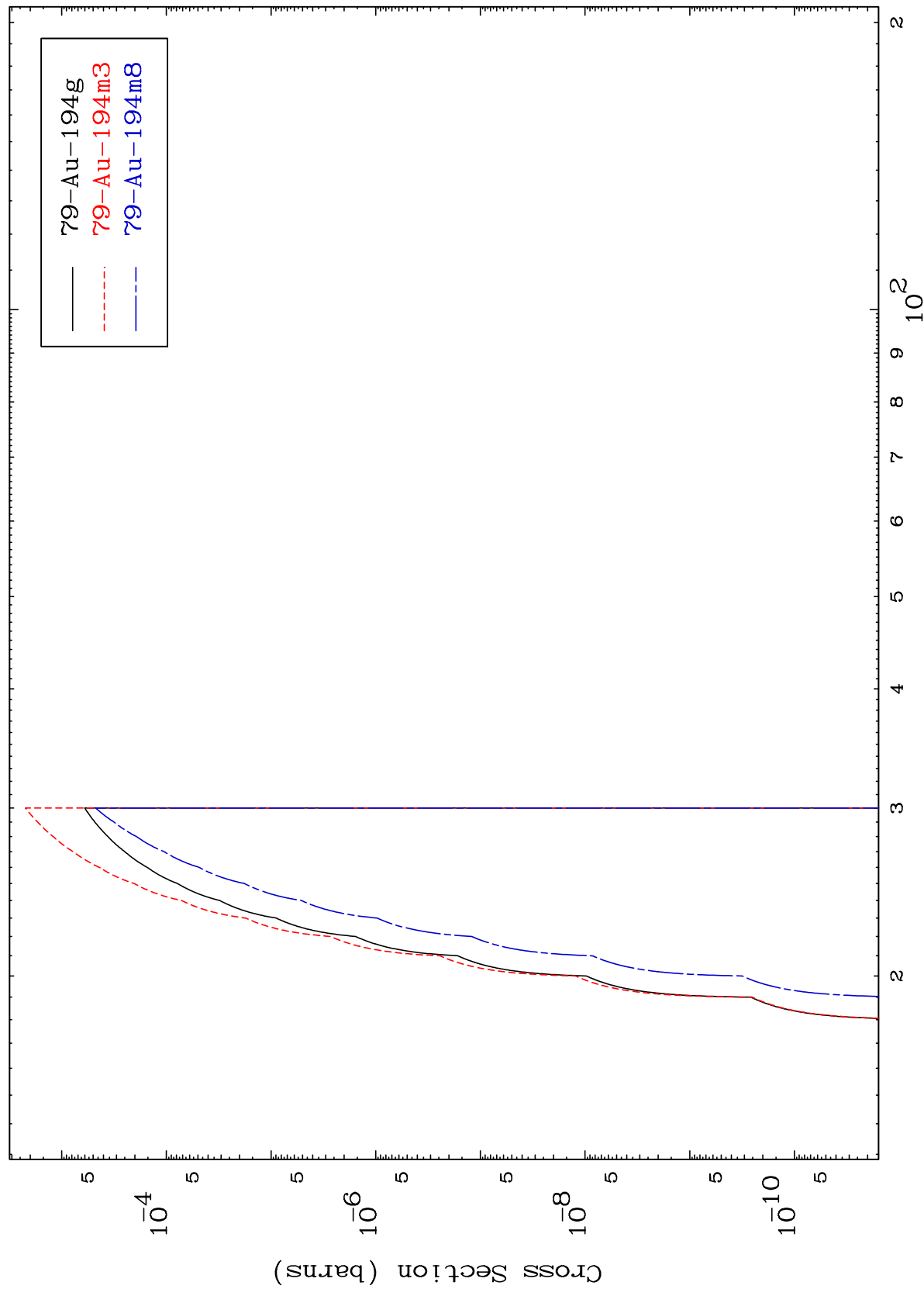
80-Hg-197

MAT 8028

(n,n') t

80-Hg-197

Radionuclide Production Cross Section



141

Incident Energy (MeV)

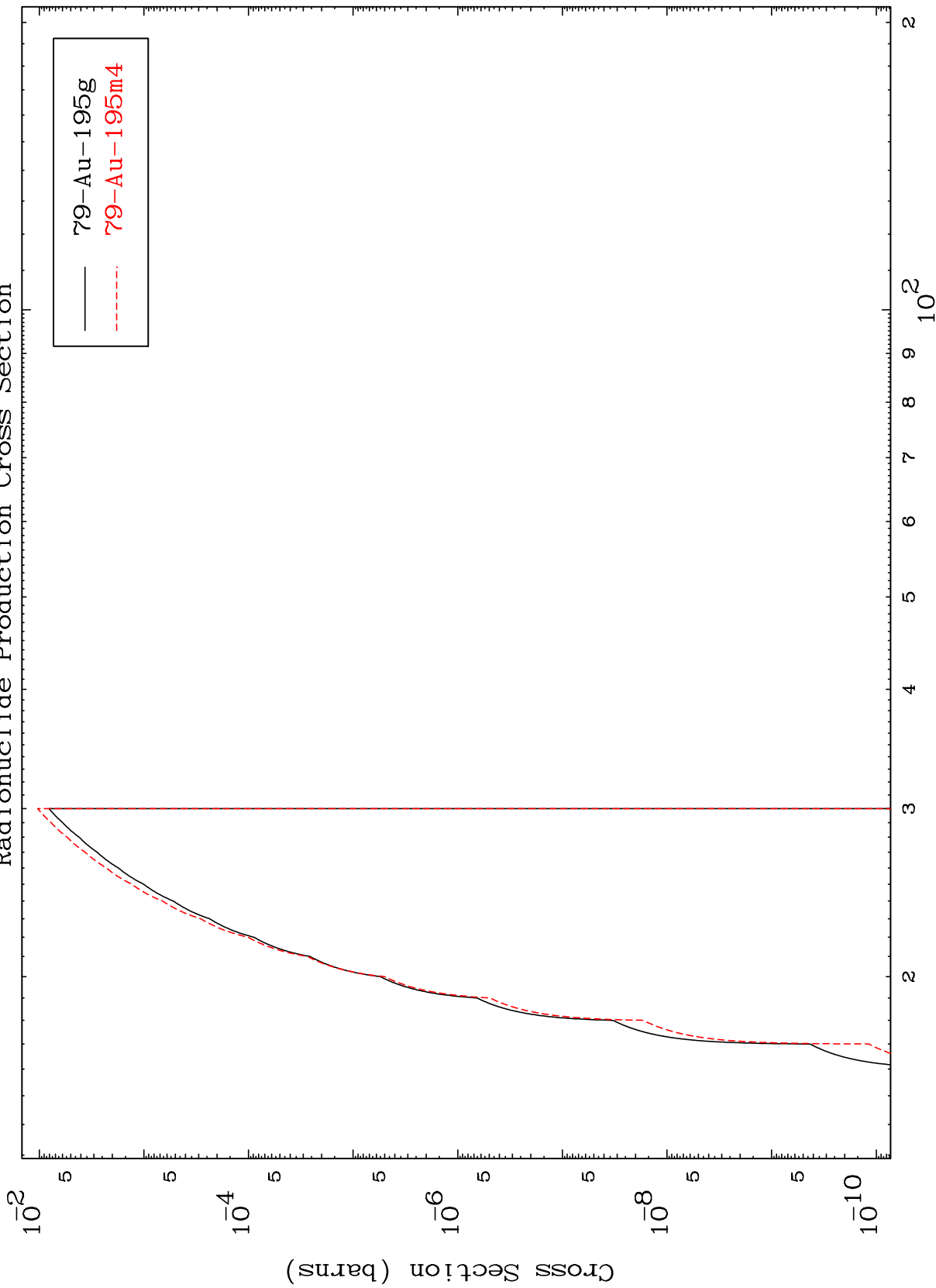
80-Hg-197

MAT 8028

(n,2n) p

80-Hg-197

Radionuclide Production Cross Section



142

Incident Energy (MeV)

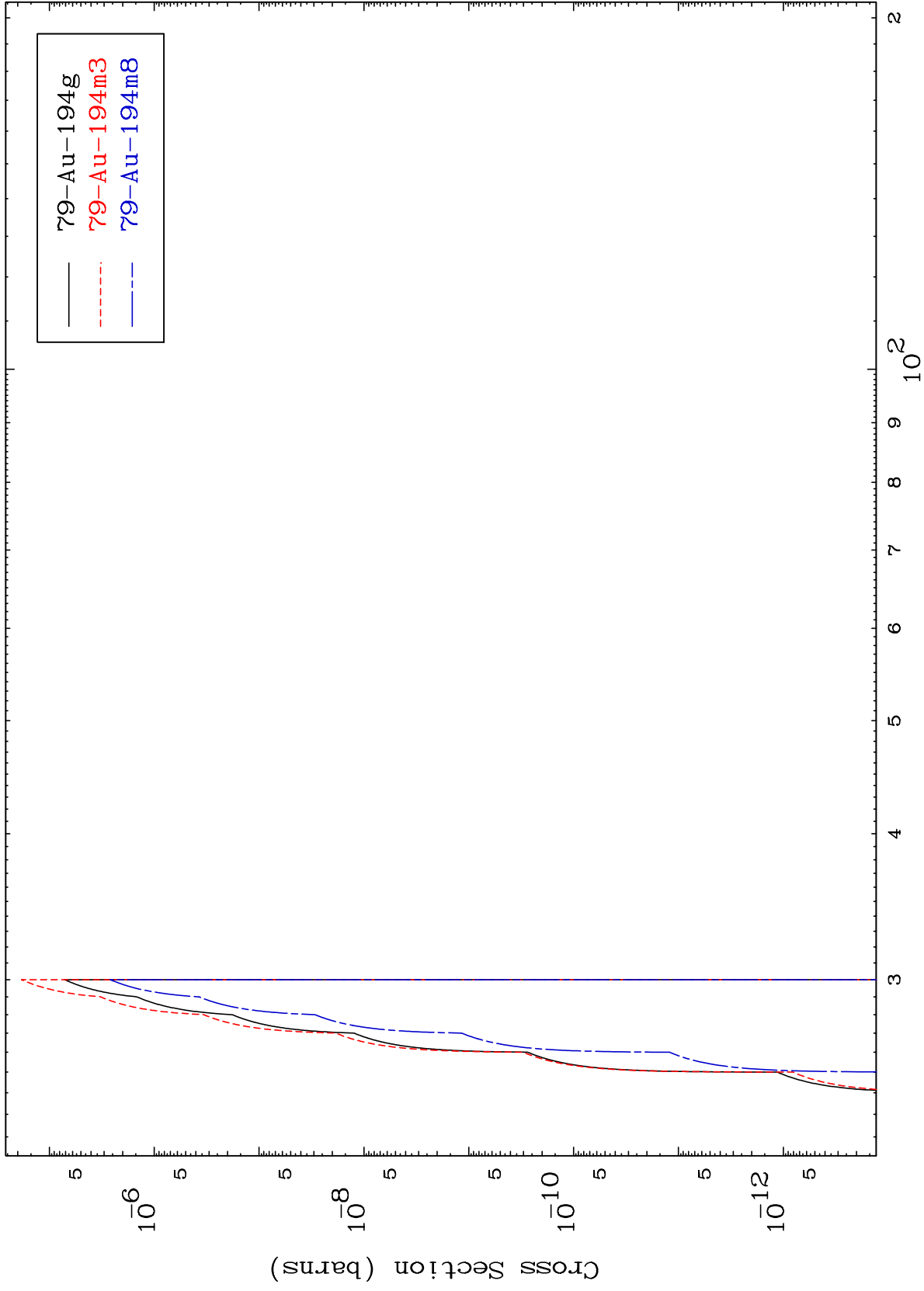
80-Hg-197

MAT 8028

(n,3n) p

80-Hg-197

Radionuclide Production Cross Section



143

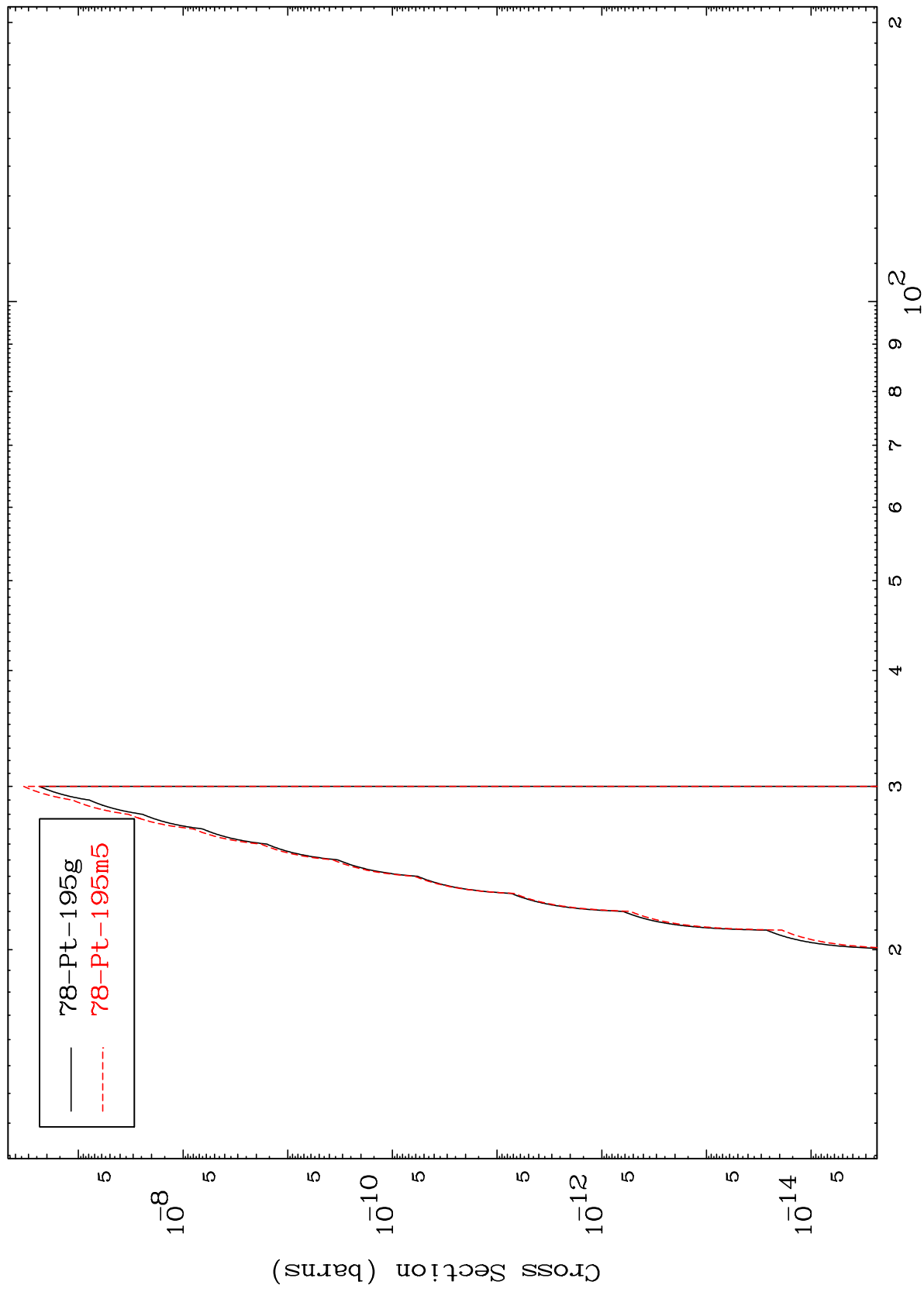
Incident Energy (MeV)

80-Hg-197

MAT 8028

80-Hg-197

(n,2n) p
Radionuclide Production Cross Section



144

Incident Energy (MeV)

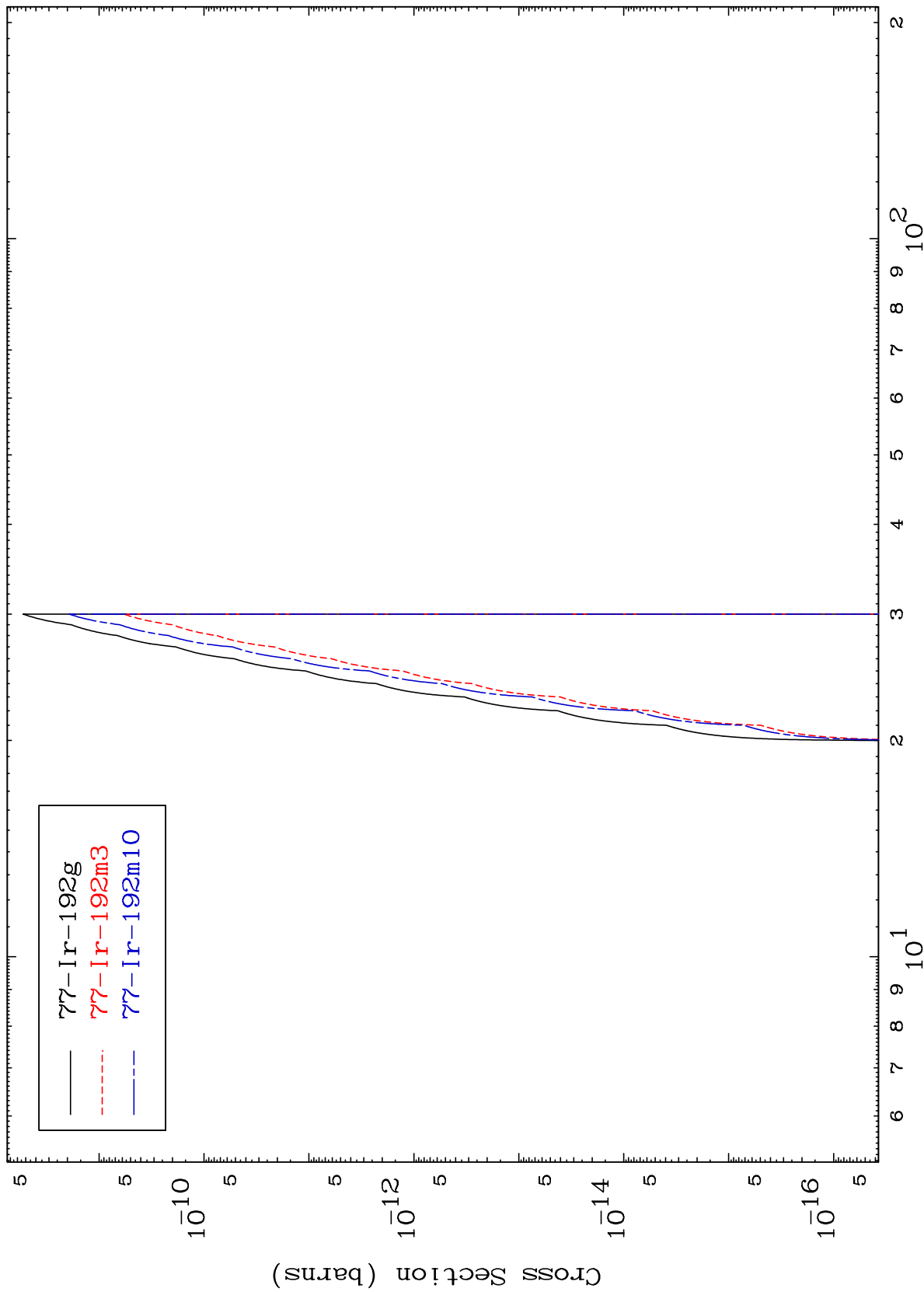
80-Hg-197

MAT 8028

(n,n') p α

80-Hg-197

Radionuclide Production Cross Section



145

Incident Energy (MeV)

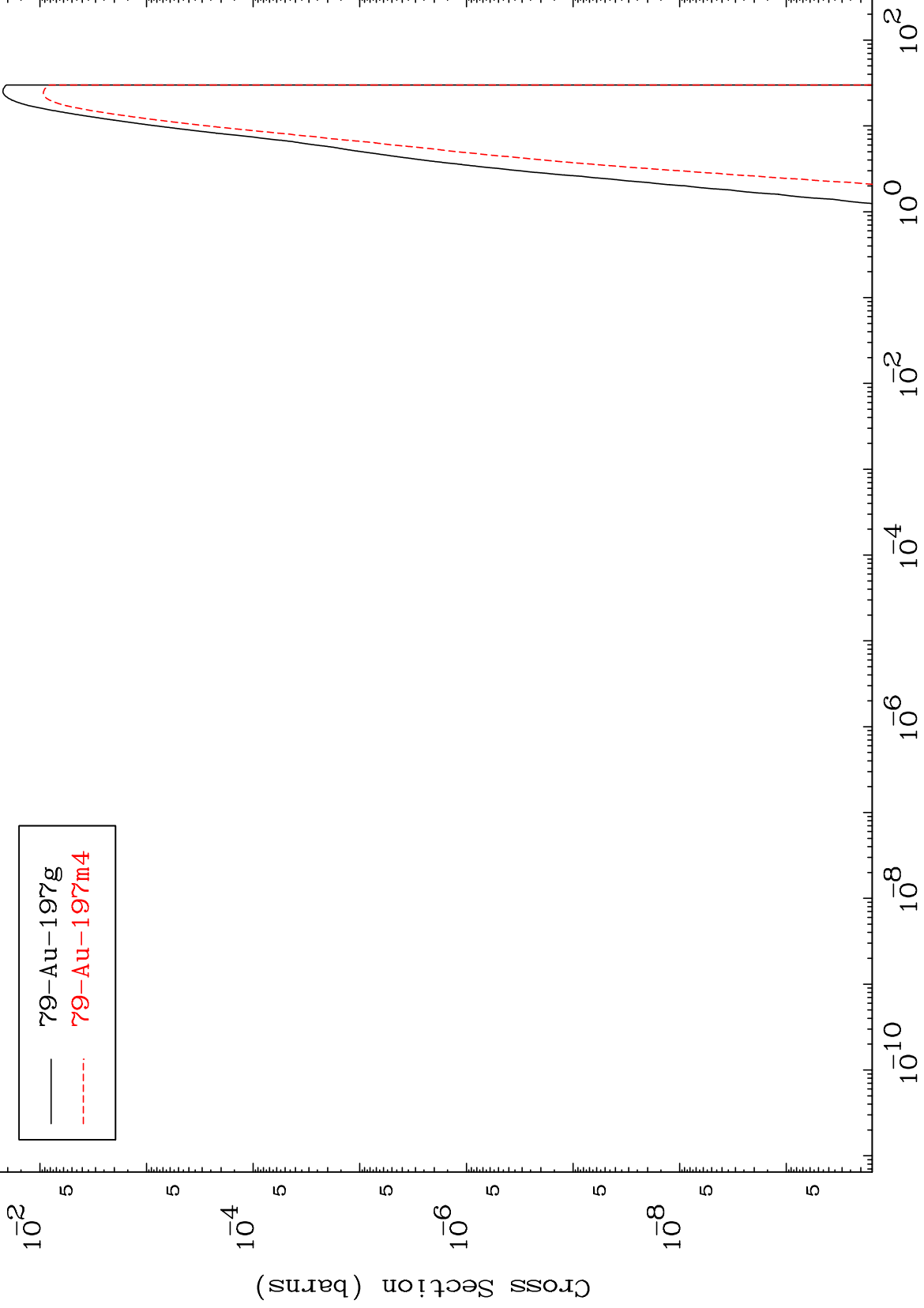
80-Hg-197

MAT 8028

(n,p)

80-Hg-197

Radionuclide Production Cross Section



146

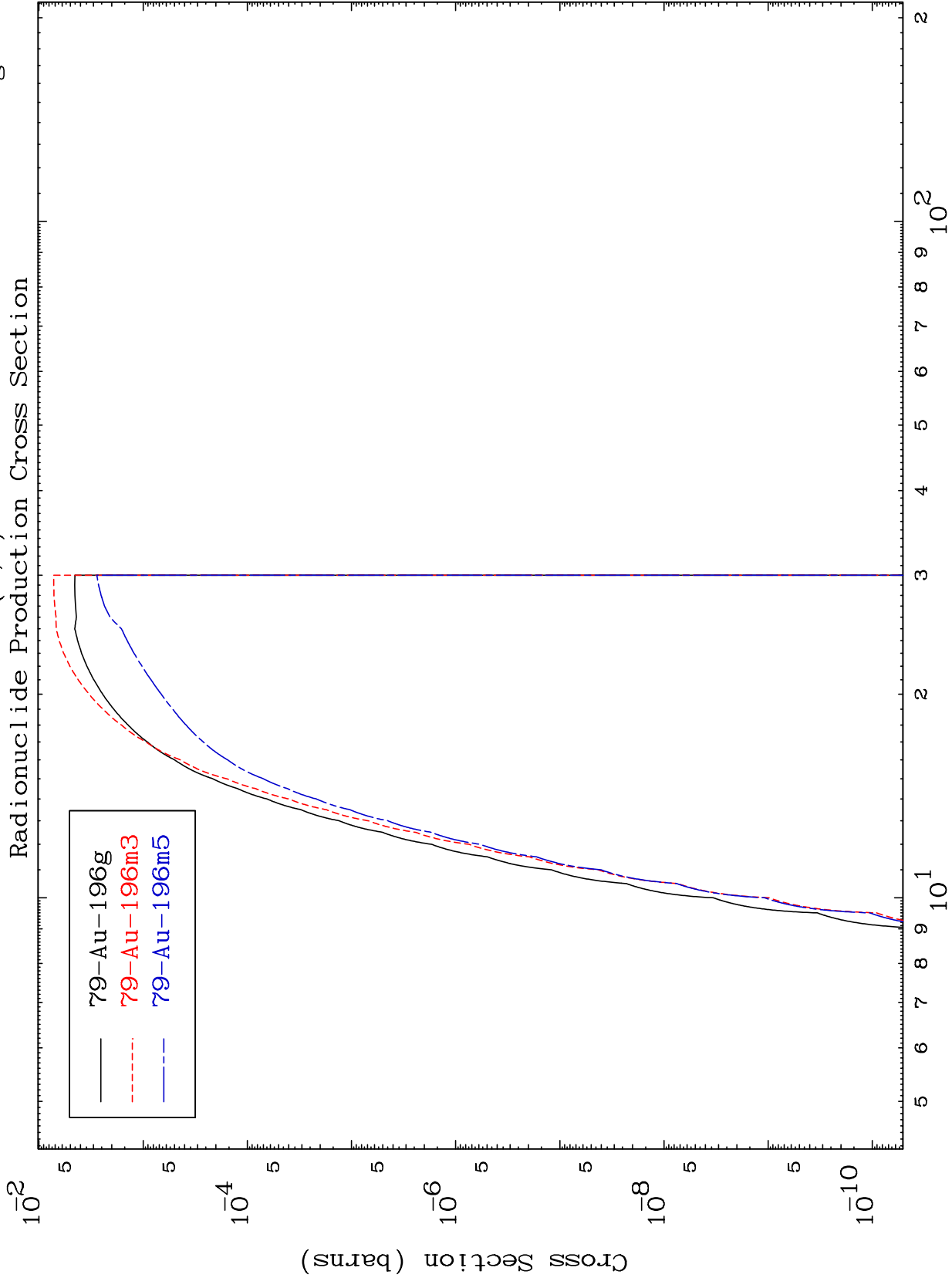
Incident Energy (MeV)

80-Hg-197

MAT 8028

80-Hg-197

(n,d)
Radionuclide Production Cross Section



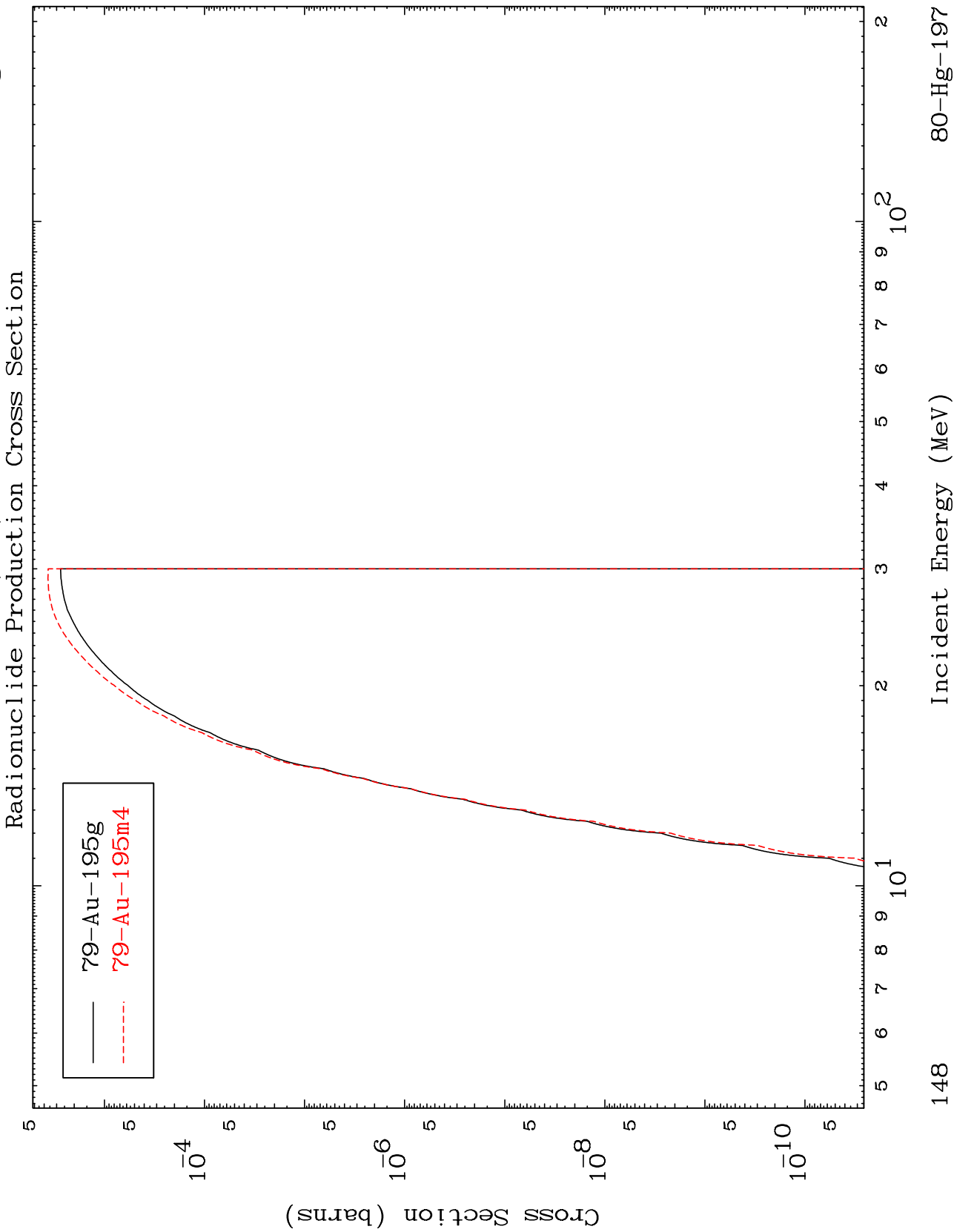
147

Incident Energy (MeV)

80-Hg-197

MAT 8028

80-Hg-197



148

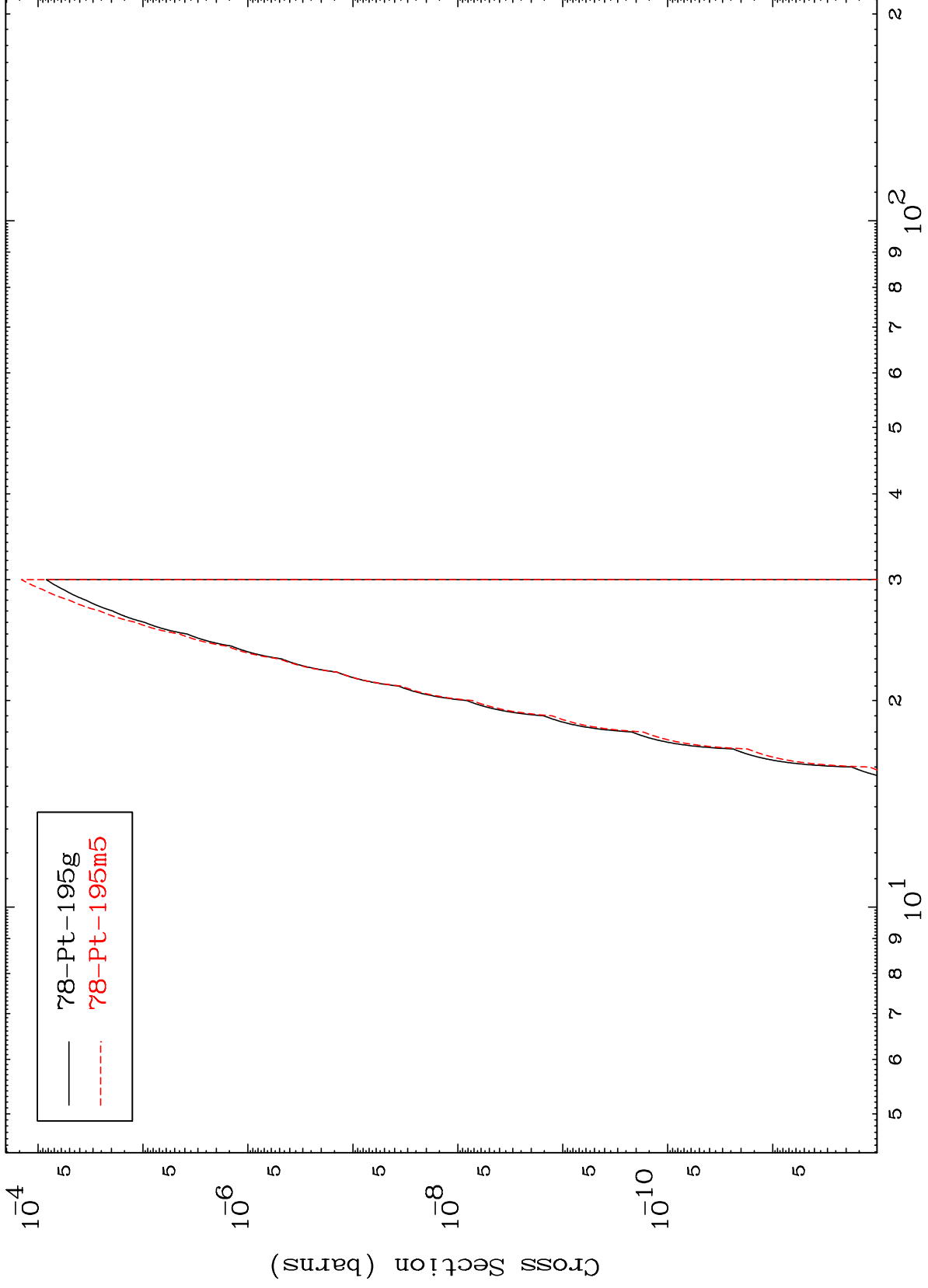
80-Hg-197

MAT 8028

(n,He-3)

80-Hg-197

Radionuclide Production Cross Section



149

Incident Energy (MeV)

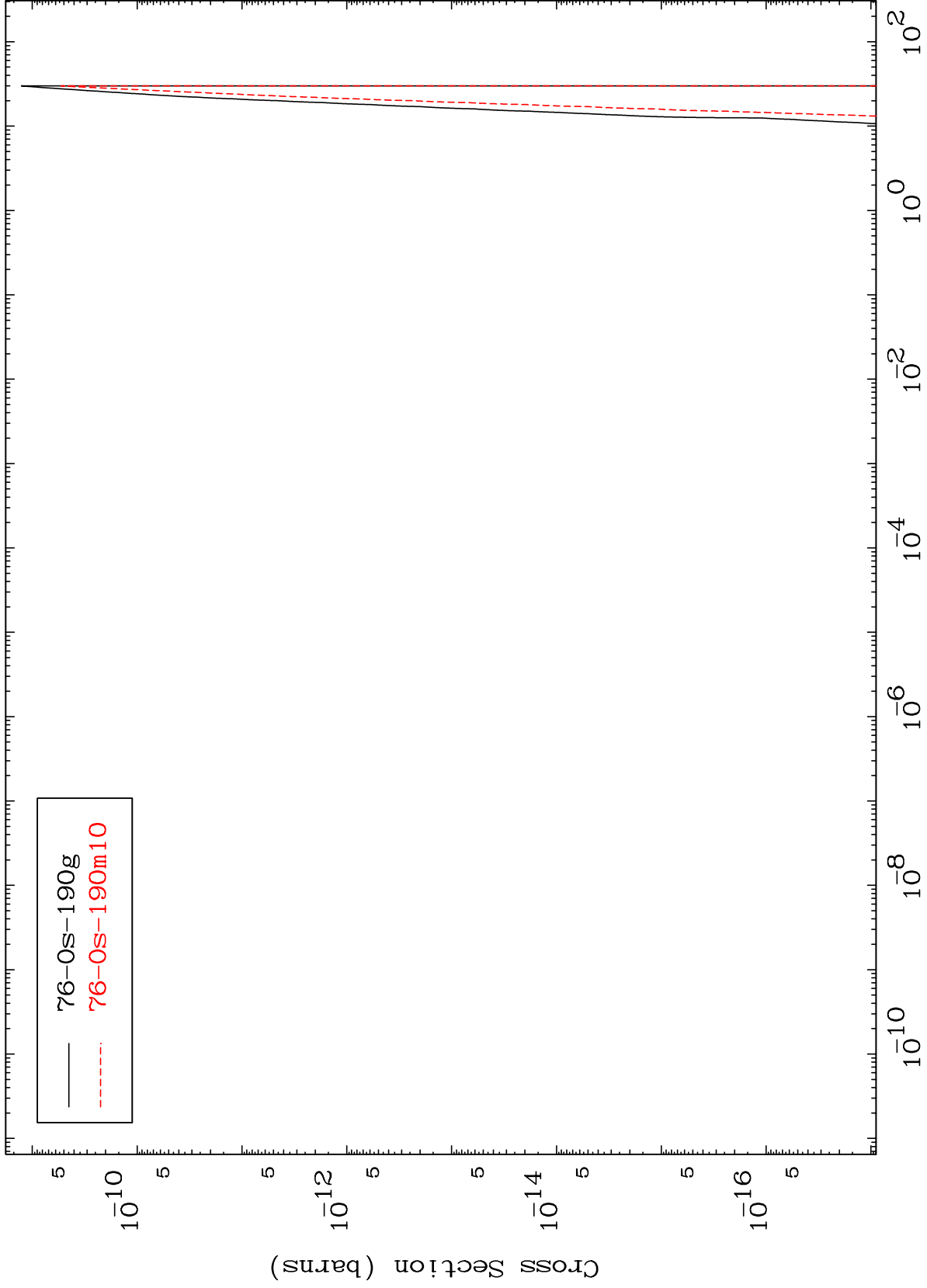
80-Hg-197

MAT 8028

(n,2α)

80-Hg-197

Radionuclide Production Cross Section



150

Incident Energy (MeV)

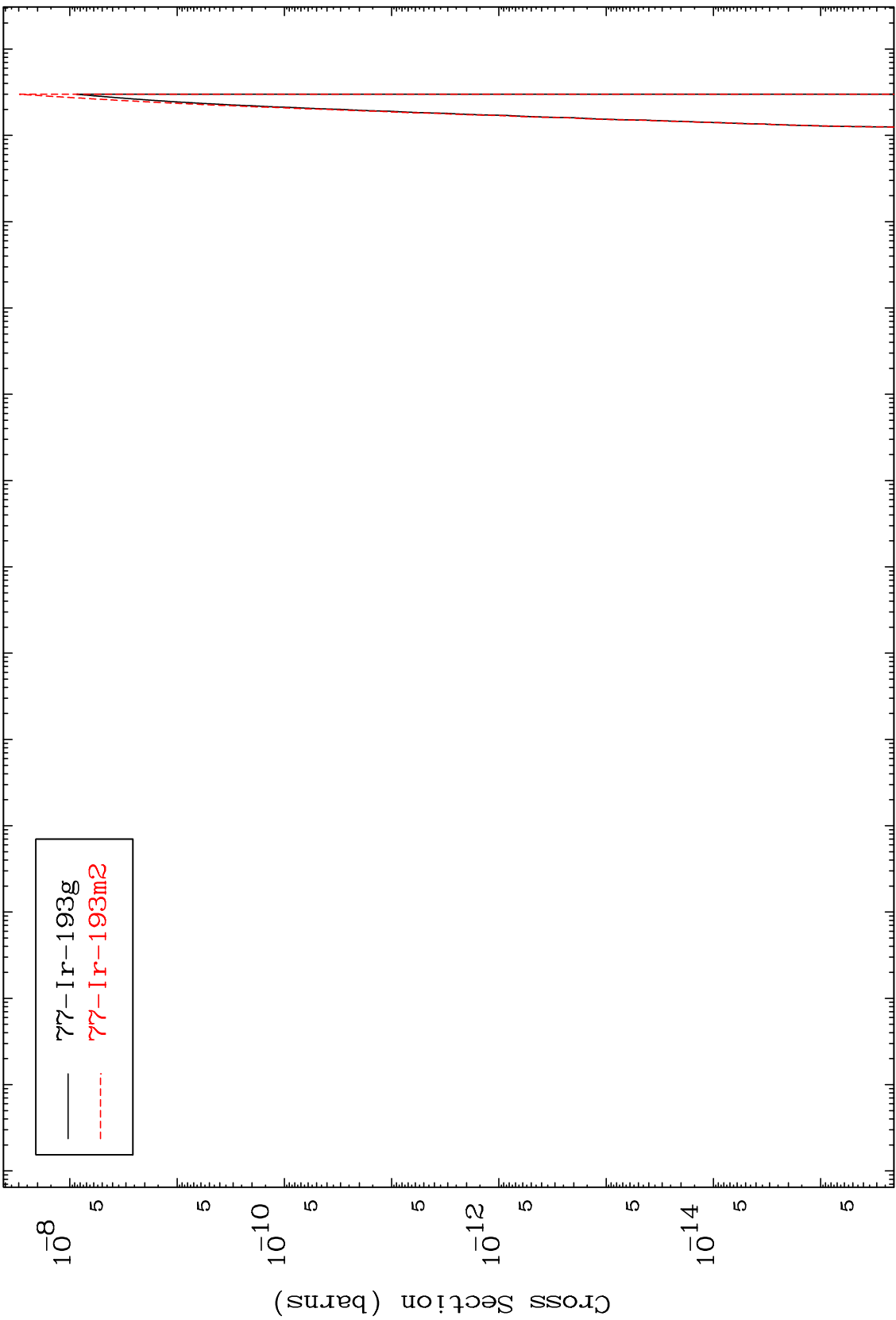
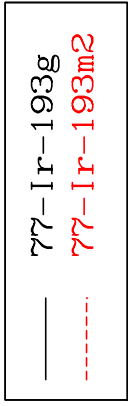
80-Hg-197

MAT 8028

(n,p) α

80-Hg-197

Radionuclide Production Cross Section

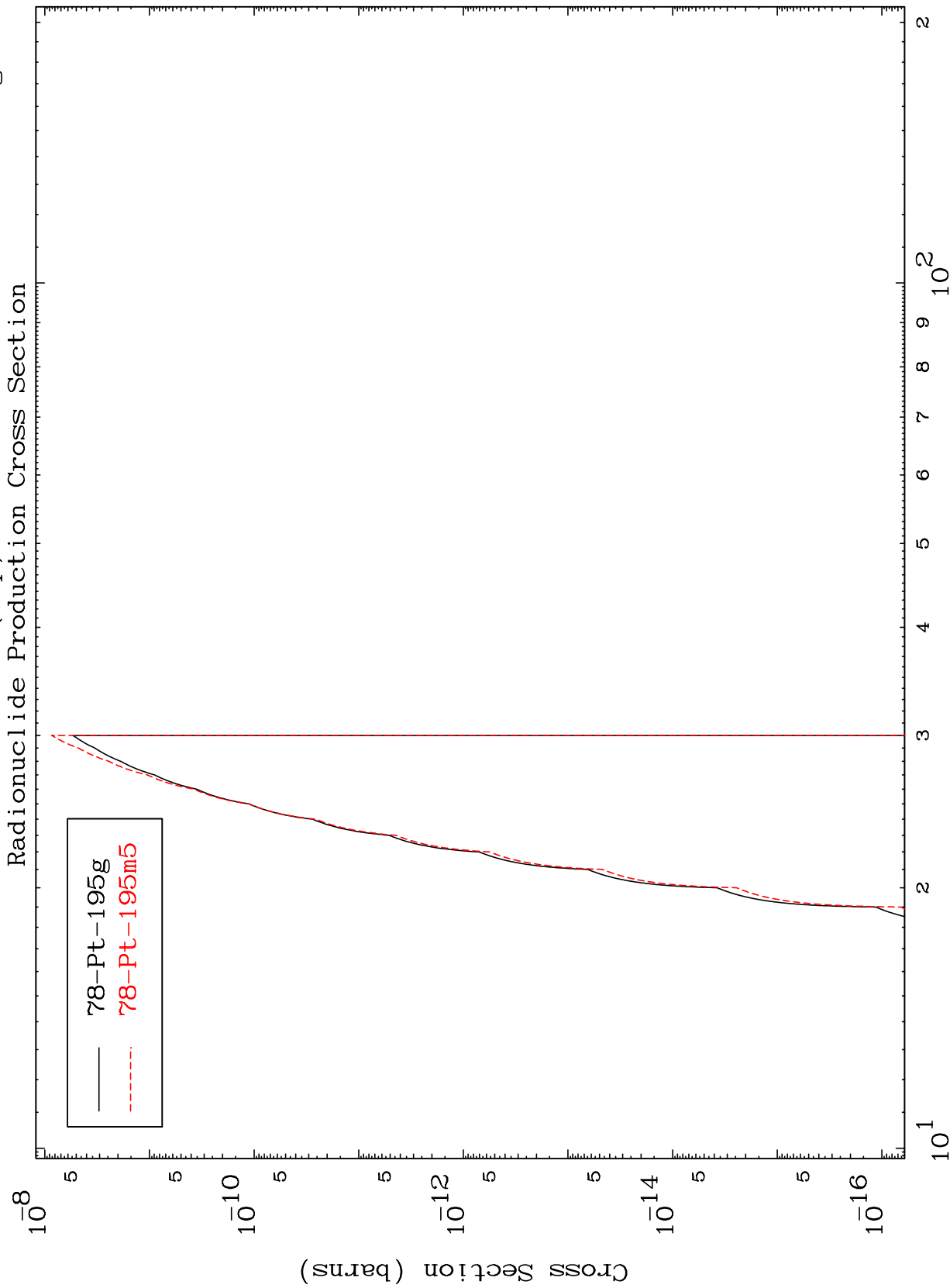


10⁻⁸ 10⁻¹⁰ 10⁻⁶ 10⁻⁴ 10⁰ 10²
Cross Section (barns) Incident Energy (MeV) 80-Hg-197

MAT 8028

(n,p) d

80-Hg-197



152

80-Hg-197