

Program EVALPLOT
(Version 2015-2)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

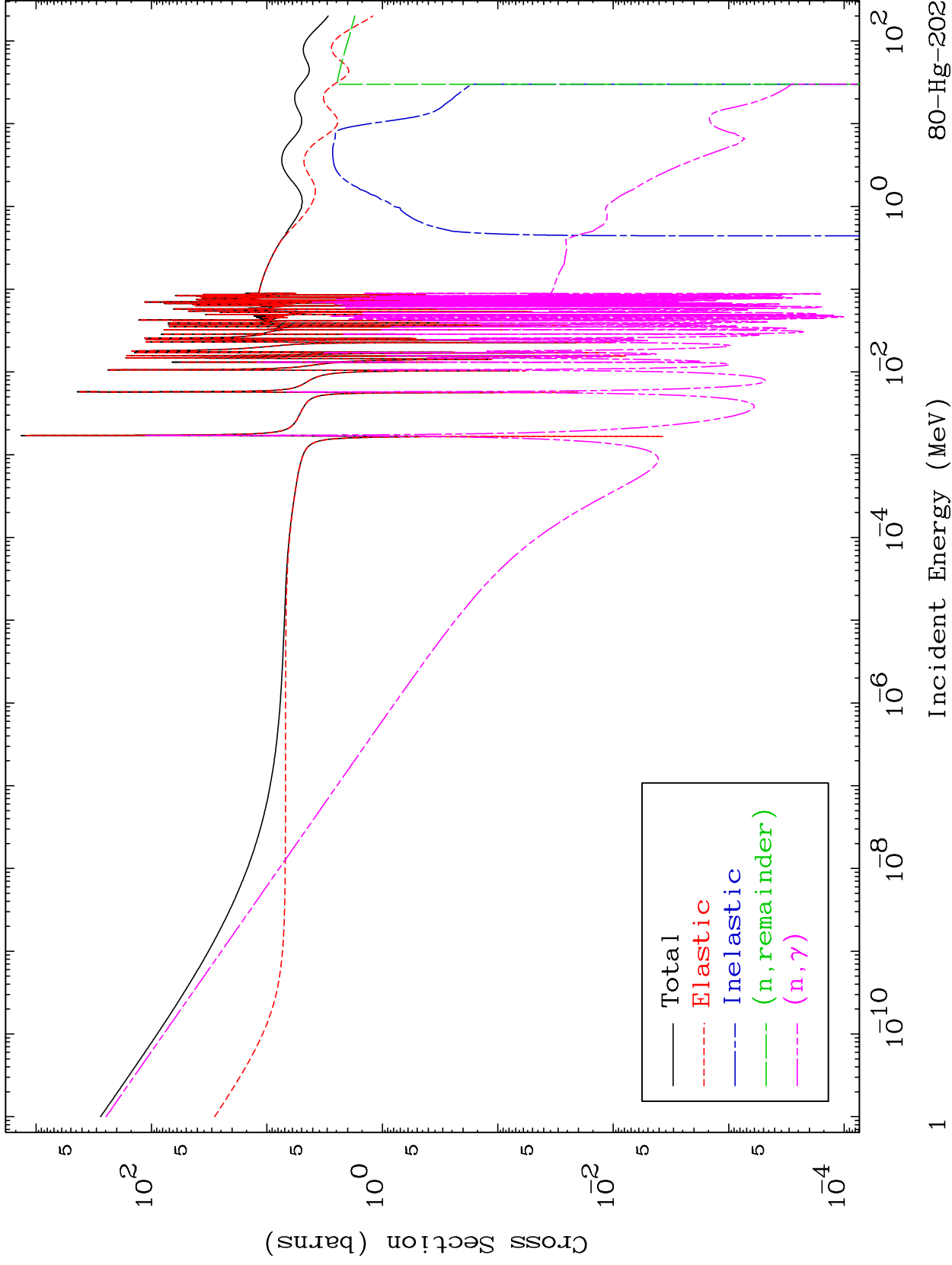
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 8043

Major
293 Kelvin Cross Sections

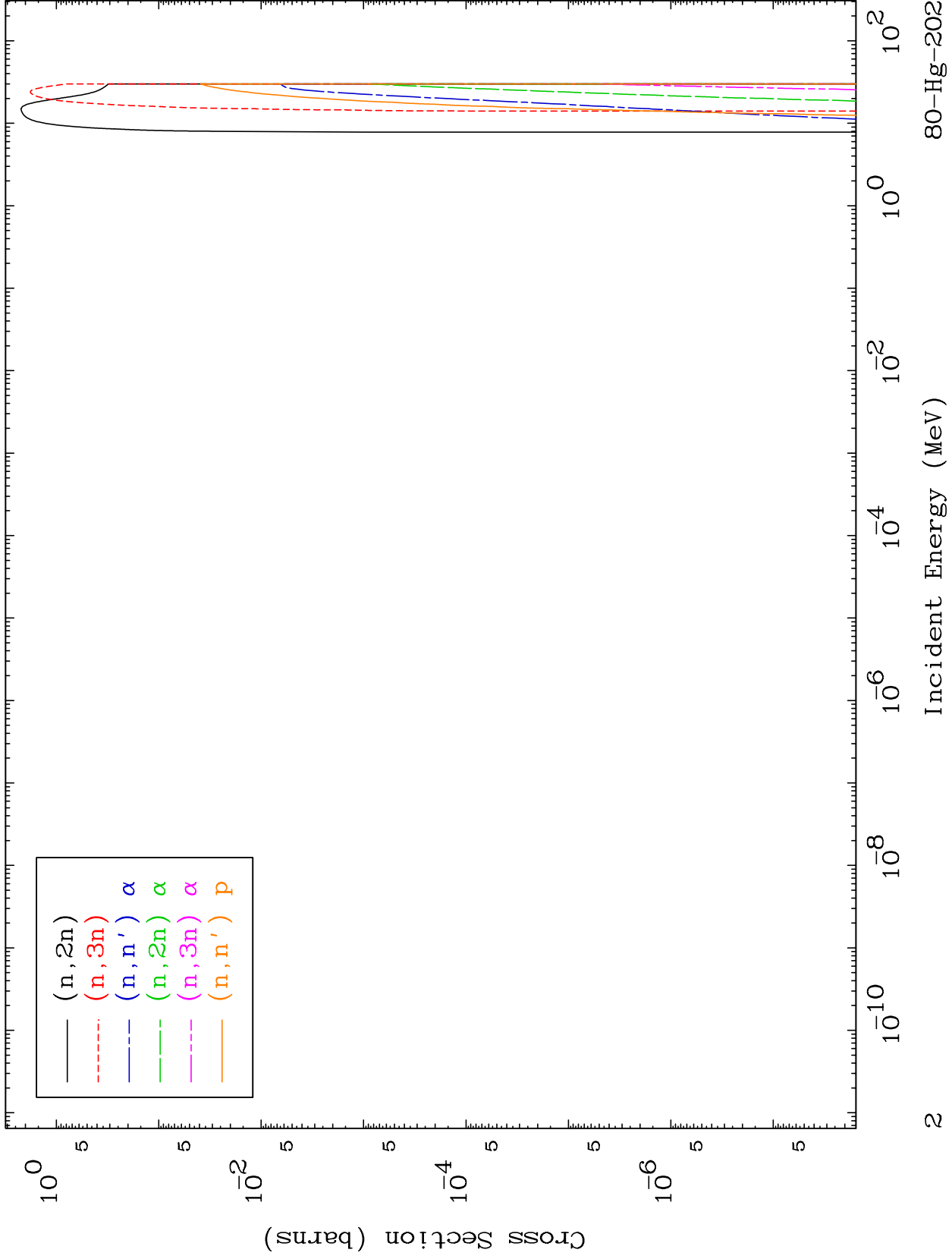
80-Hg-202



MAT 8043

Neutron Production
293 Kelvin Cross Sections

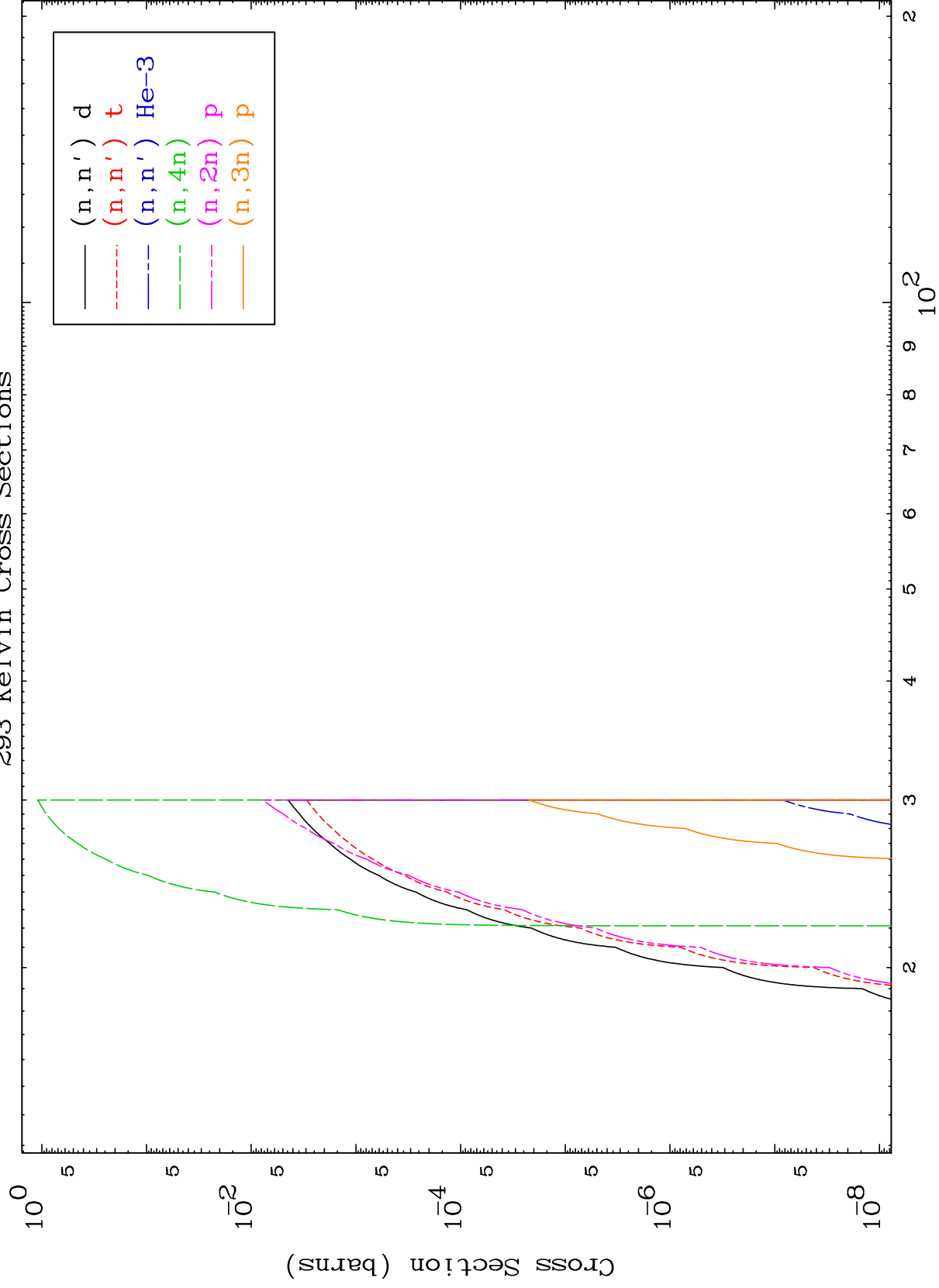
80-Hg-202



MAT 8043

Neutron Production
293 Kelvin Cross Sections

80-Hg-202



3

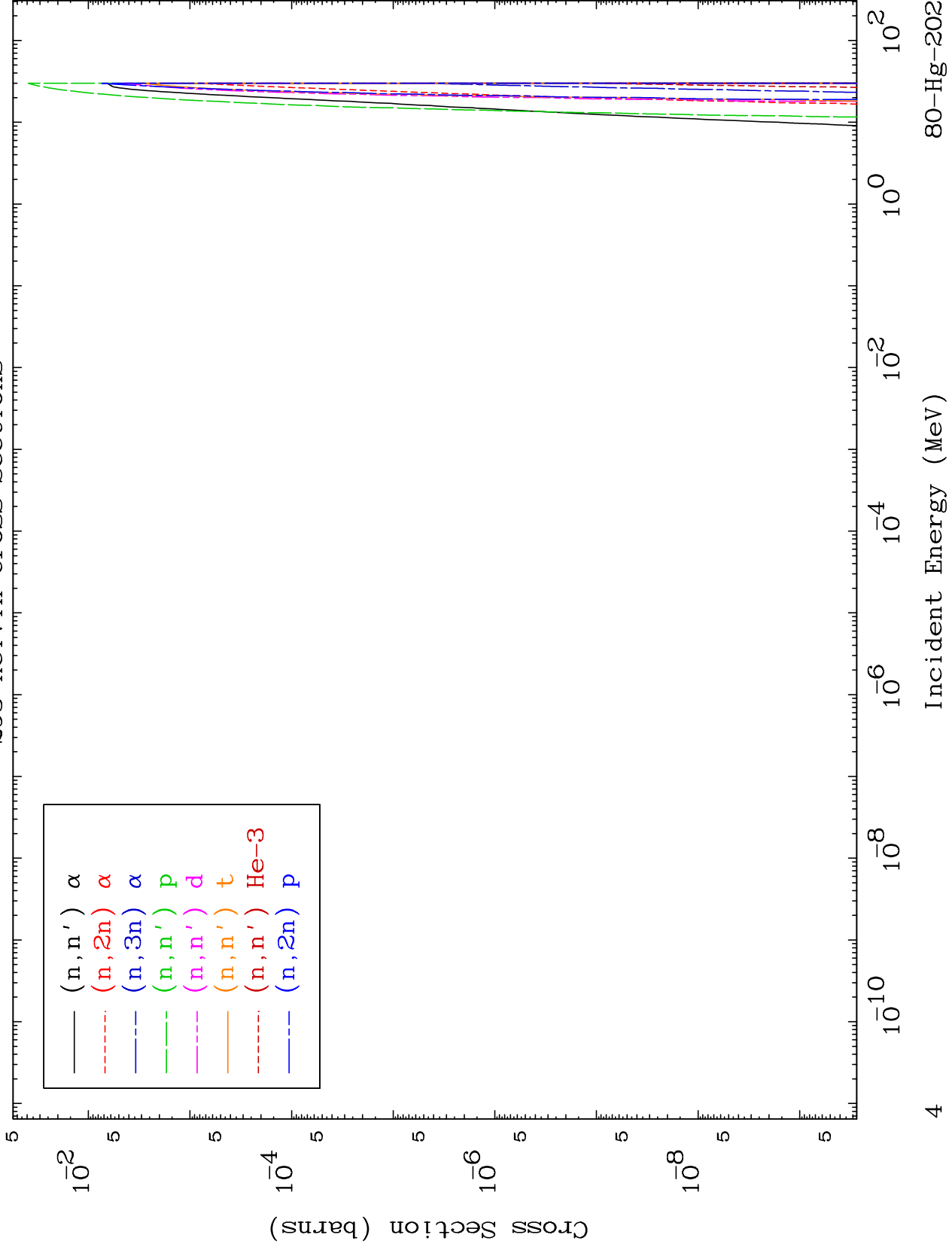
Incident Energy (MeV)

80-Hg-202

MAT 8043

Charged Particle
293 Kelvin Cross Sections

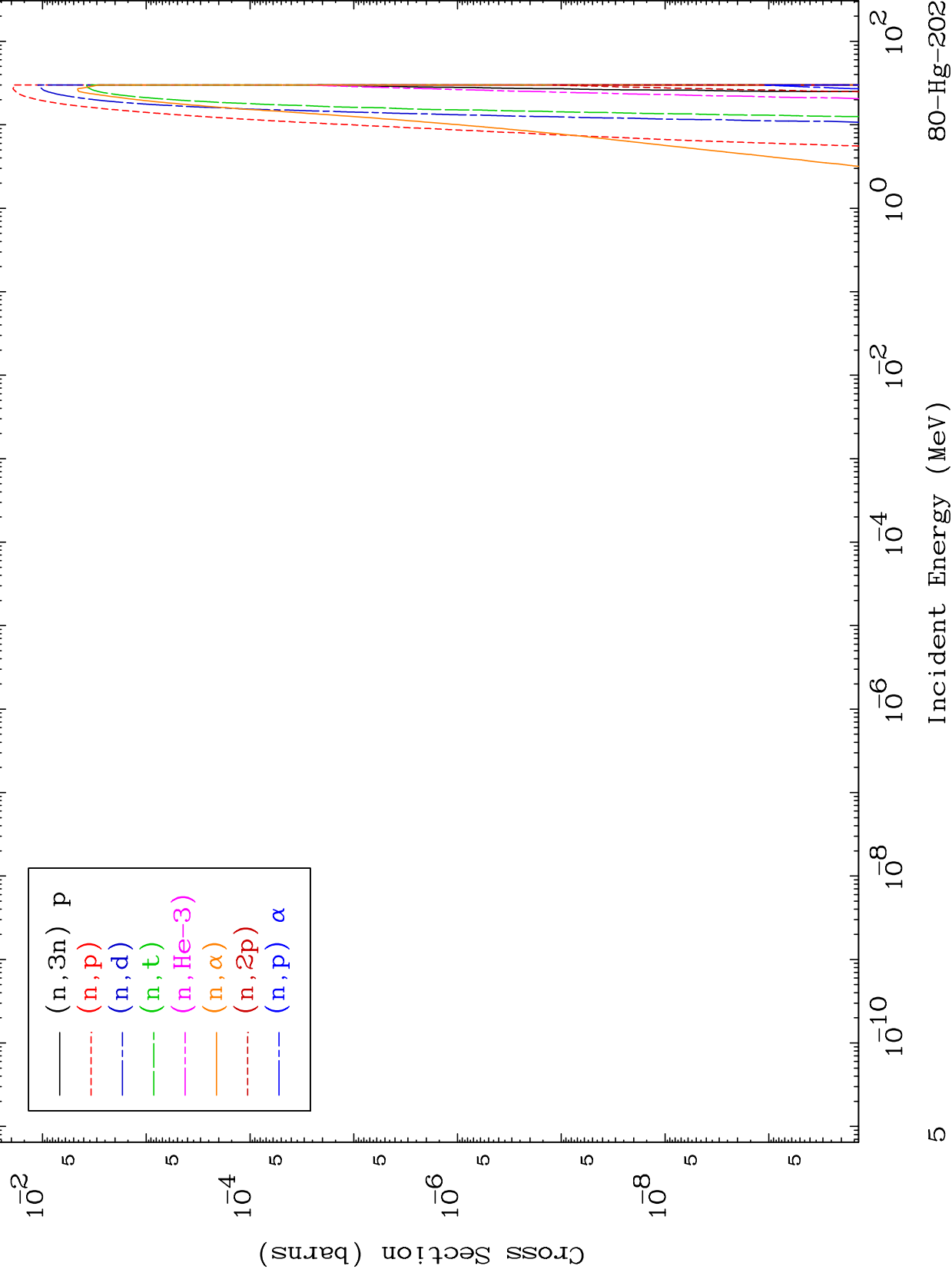
80-Hg-202



MAT 8043

Charged Particle
293 Kelvin Cross Sections

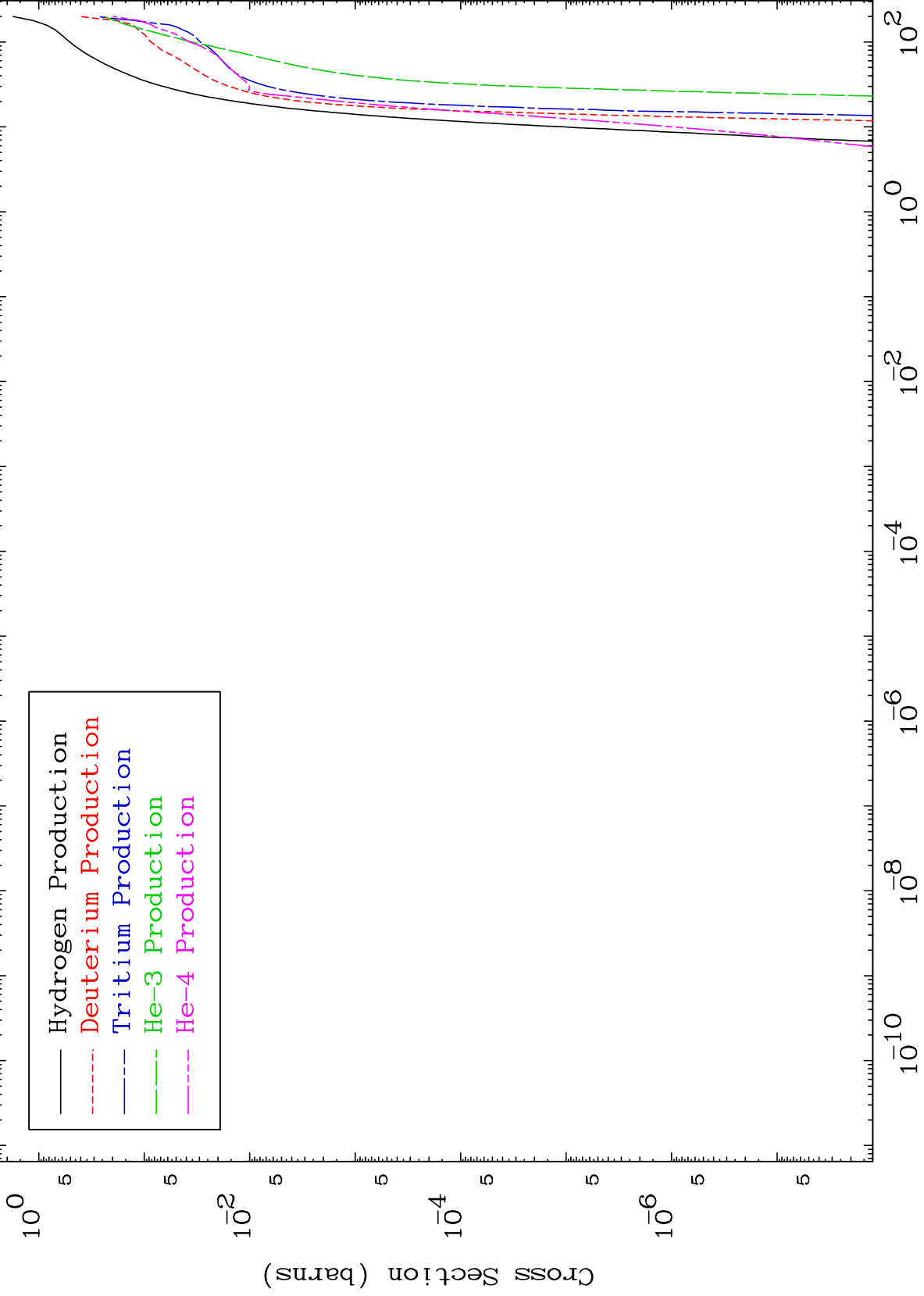
80-Hg-202



MAT 8043

Particle Production
293 Kelvin Cross Sections

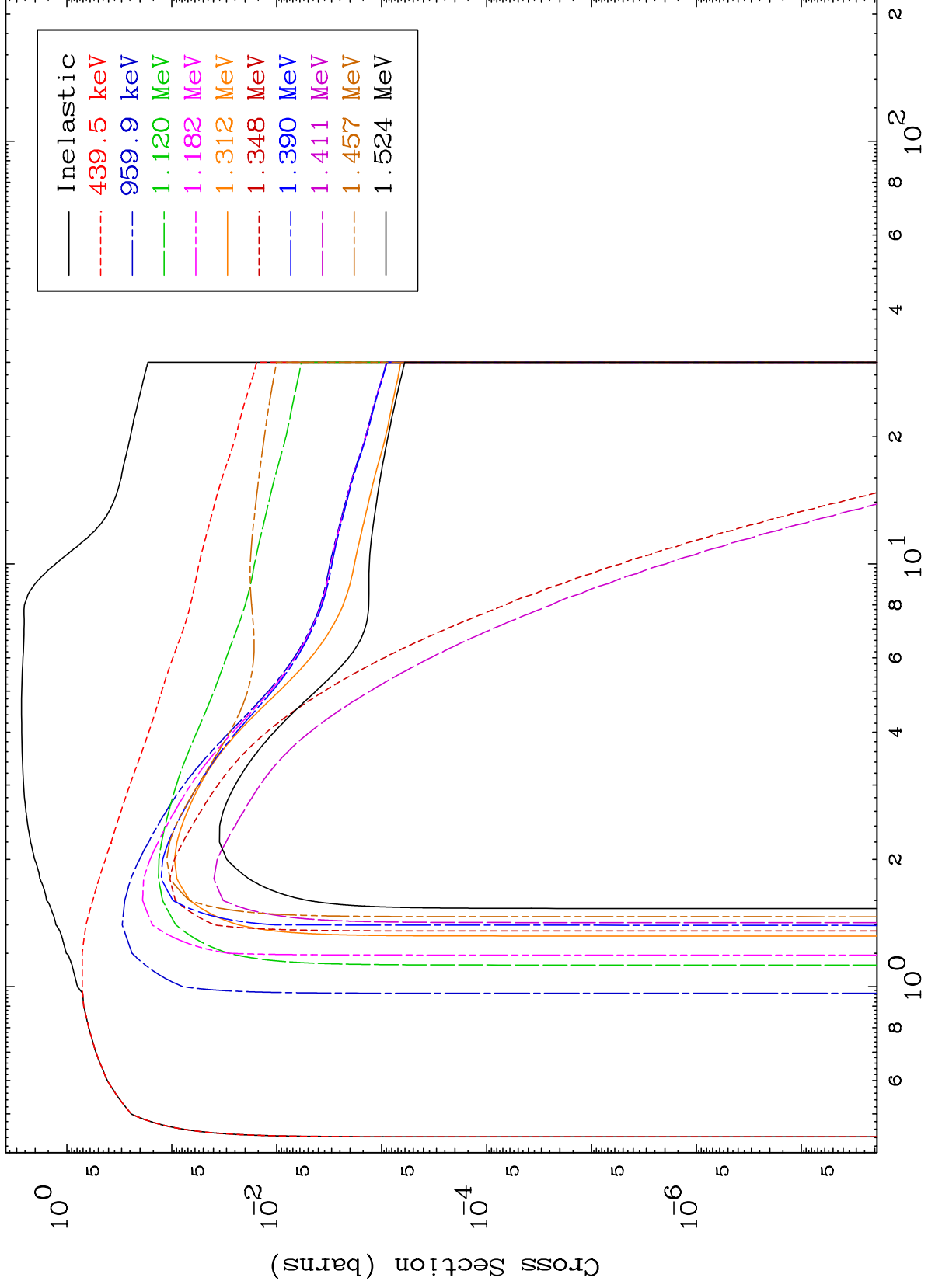
80-Hg-202



MAT 8043

(n,n') Level
293 Kelvin Cross Sections

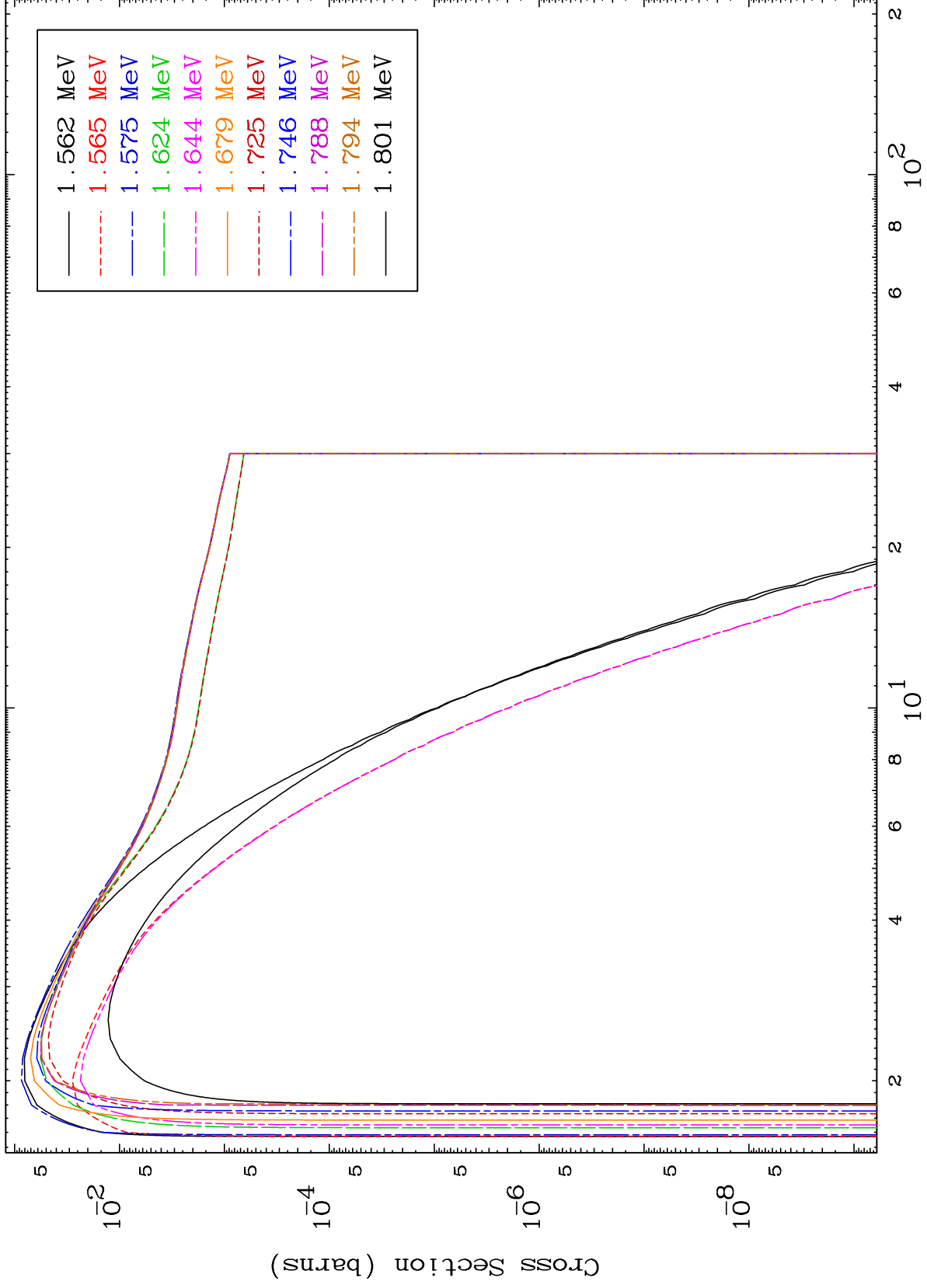
80-Hg-202



MAT 8043

(n,n') Level
293 Kelvin Cross Sections

80-Hg-202



8

Incident Energy (MeV)

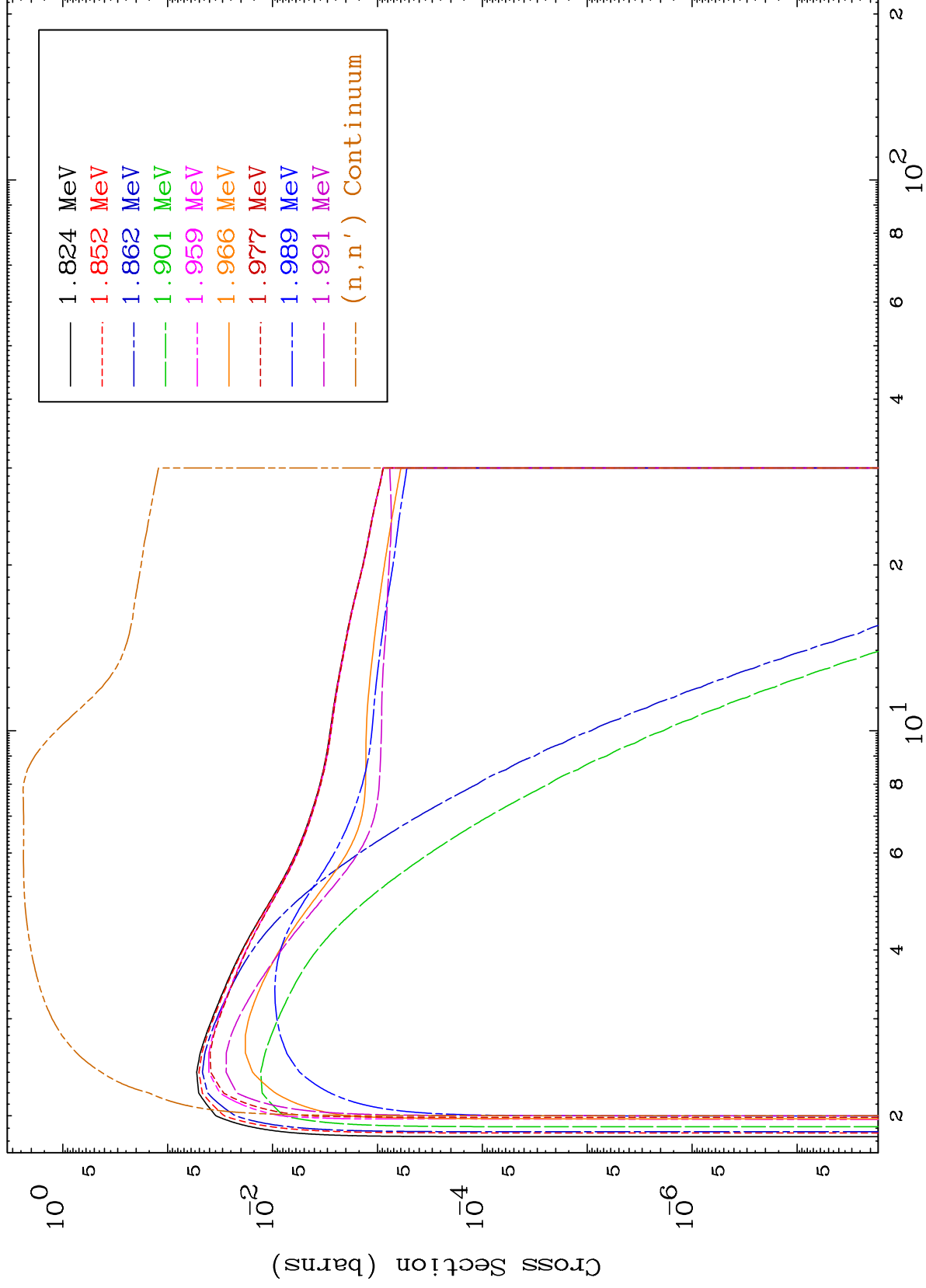
80-Hg-202

MAT 8043

(n,n') Level

80-Hg-202

293 Kelvin Cross Sections



9

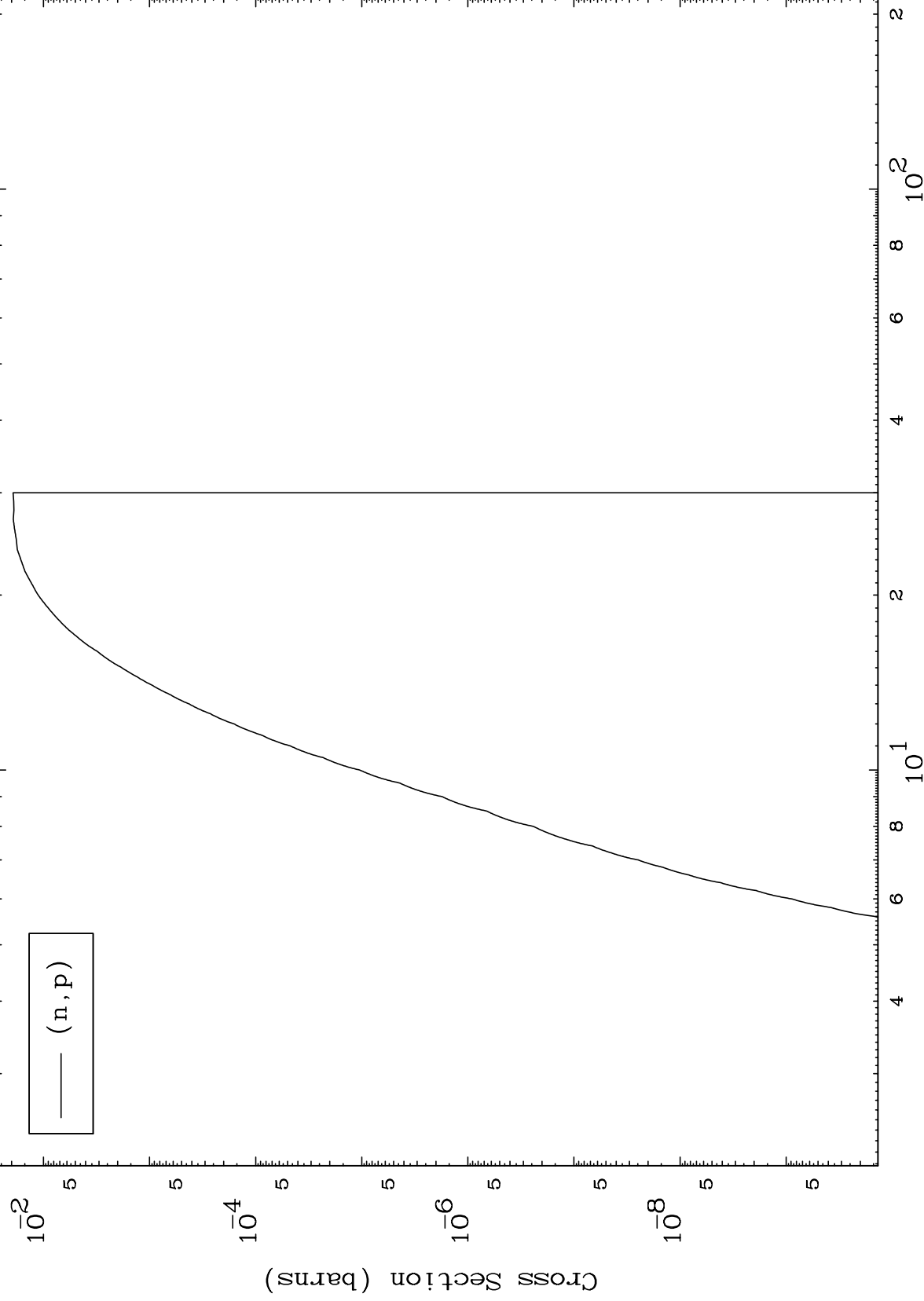
Incident Energy (MeV)

80-Hg-202

MAT 8043

(n,p) Levels
293 Kelvin Cross Sections

80-Hg-202



10

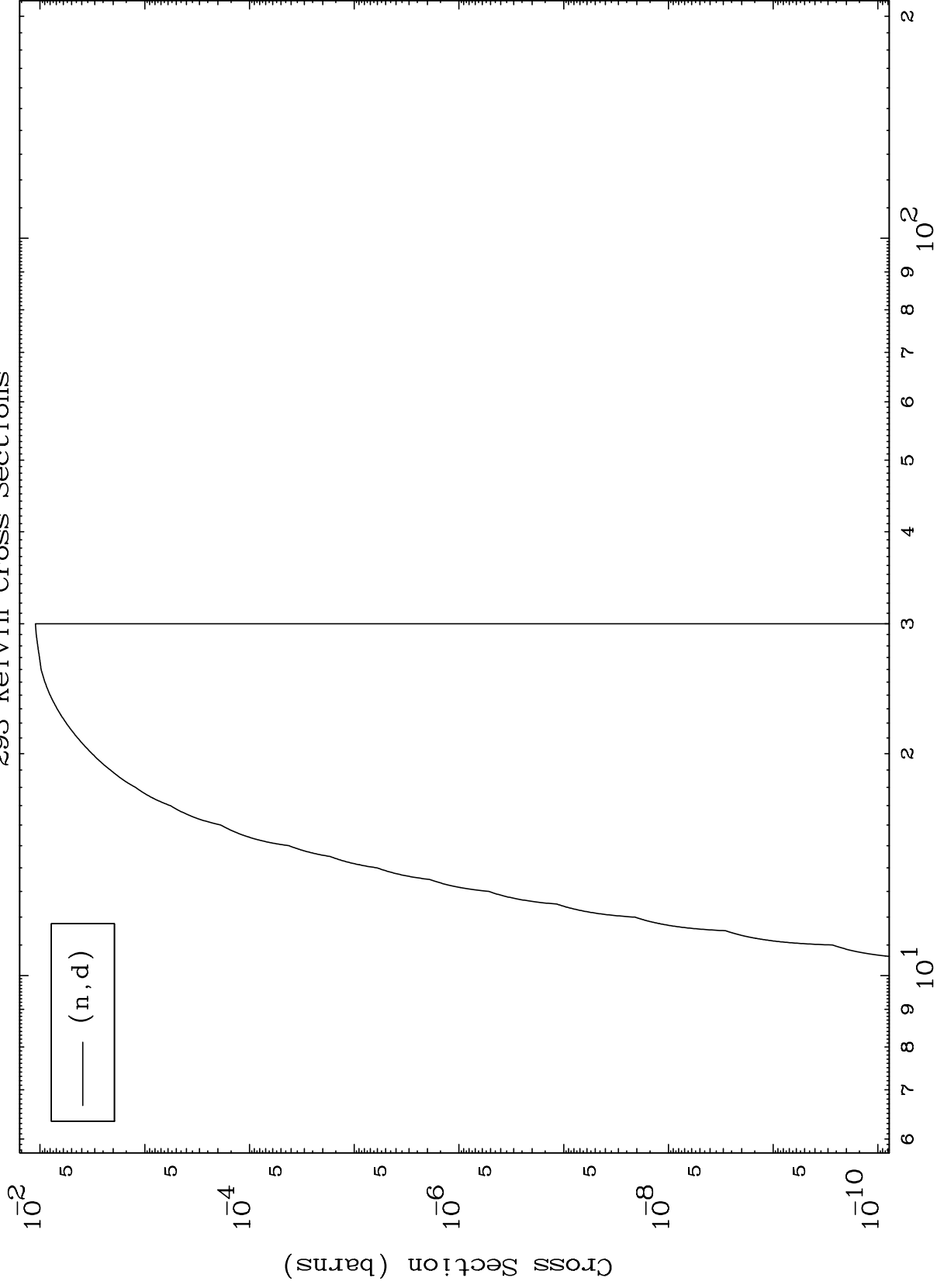
Incident Energy (MeV)

80-Hg-202

MAT 8043

(n,d) Levels
293 Kelvin Cross Sections

80-Hg-202



11

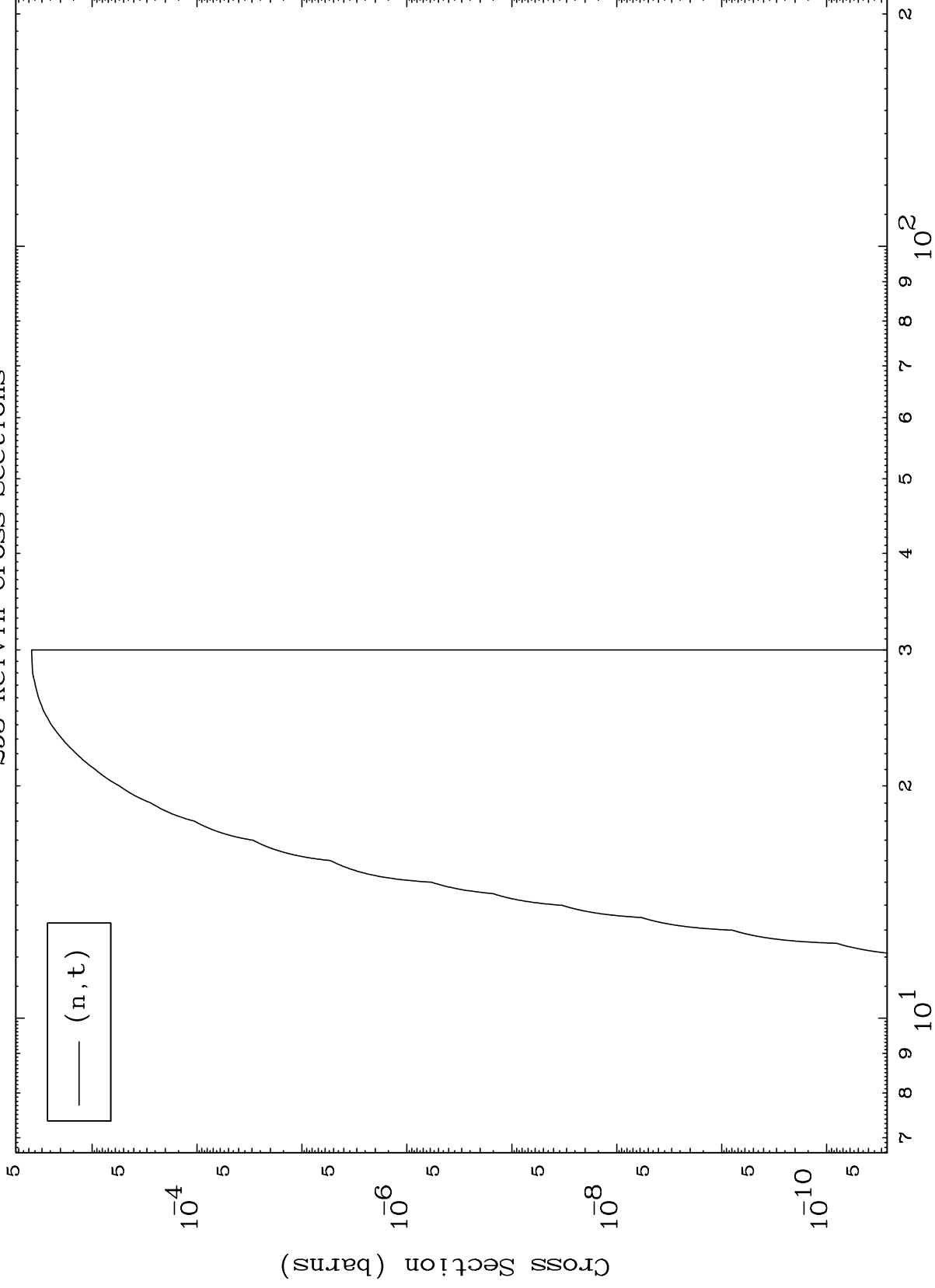
Incident Energy (MeV)

80-Hg-202

MAT 8043

(n,t) Levels
293 Kelvin Cross Sections

80-Hg-202



12

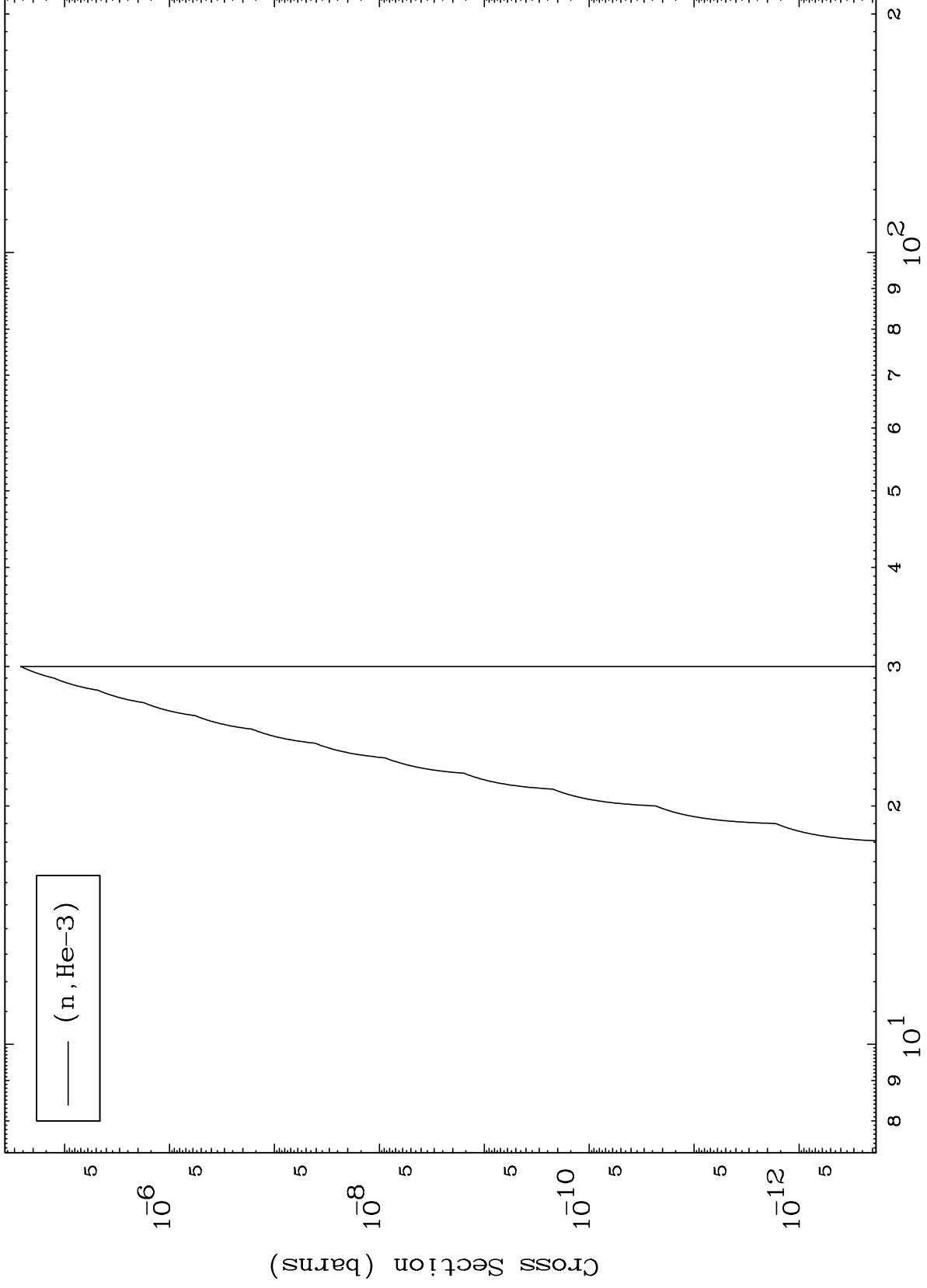
Incident Energy (MeV)

80-Hg-202

MAT 8043

(n,He3) Levels
293 Kelvin Cross Sections

80-Hg-202



13

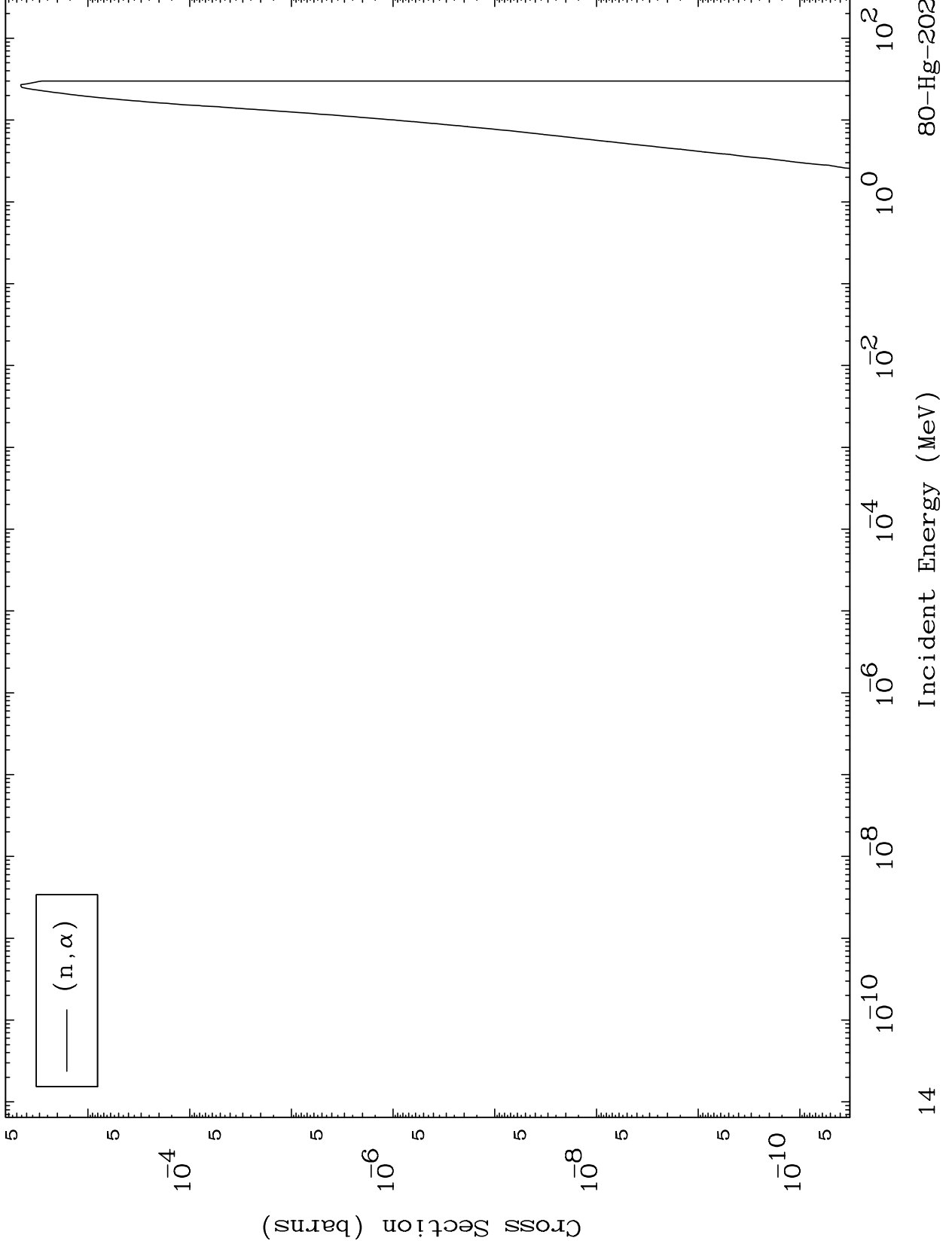
Incident Energy (MeV)

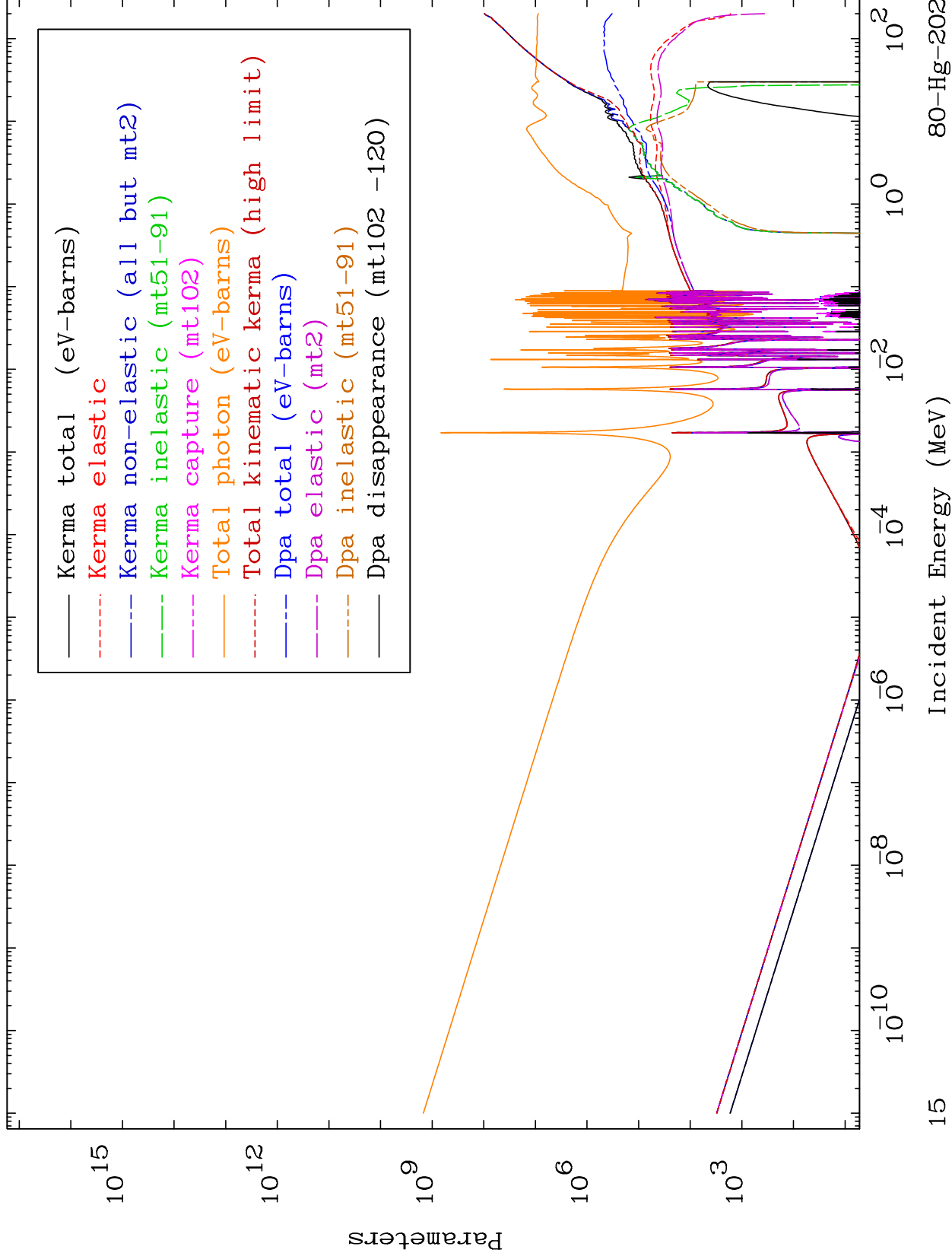
80-Hg-202

MAT 8043

(n, α) Levels
293 Kelvin Cross Sections

80-Hg-202

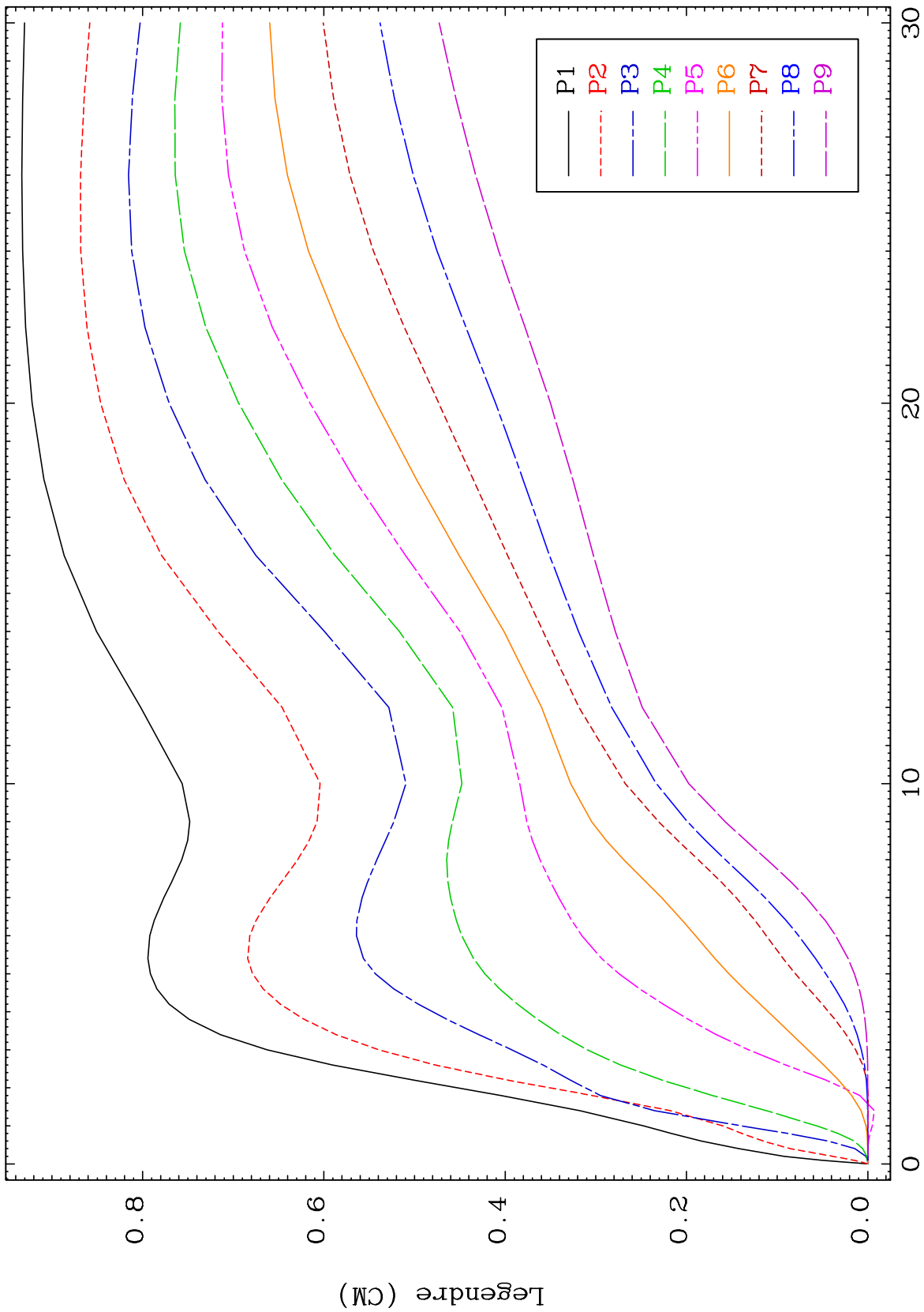




MAT 8043

80-Hg-202

Elastic Legendre Coefficients



80-Hg-202

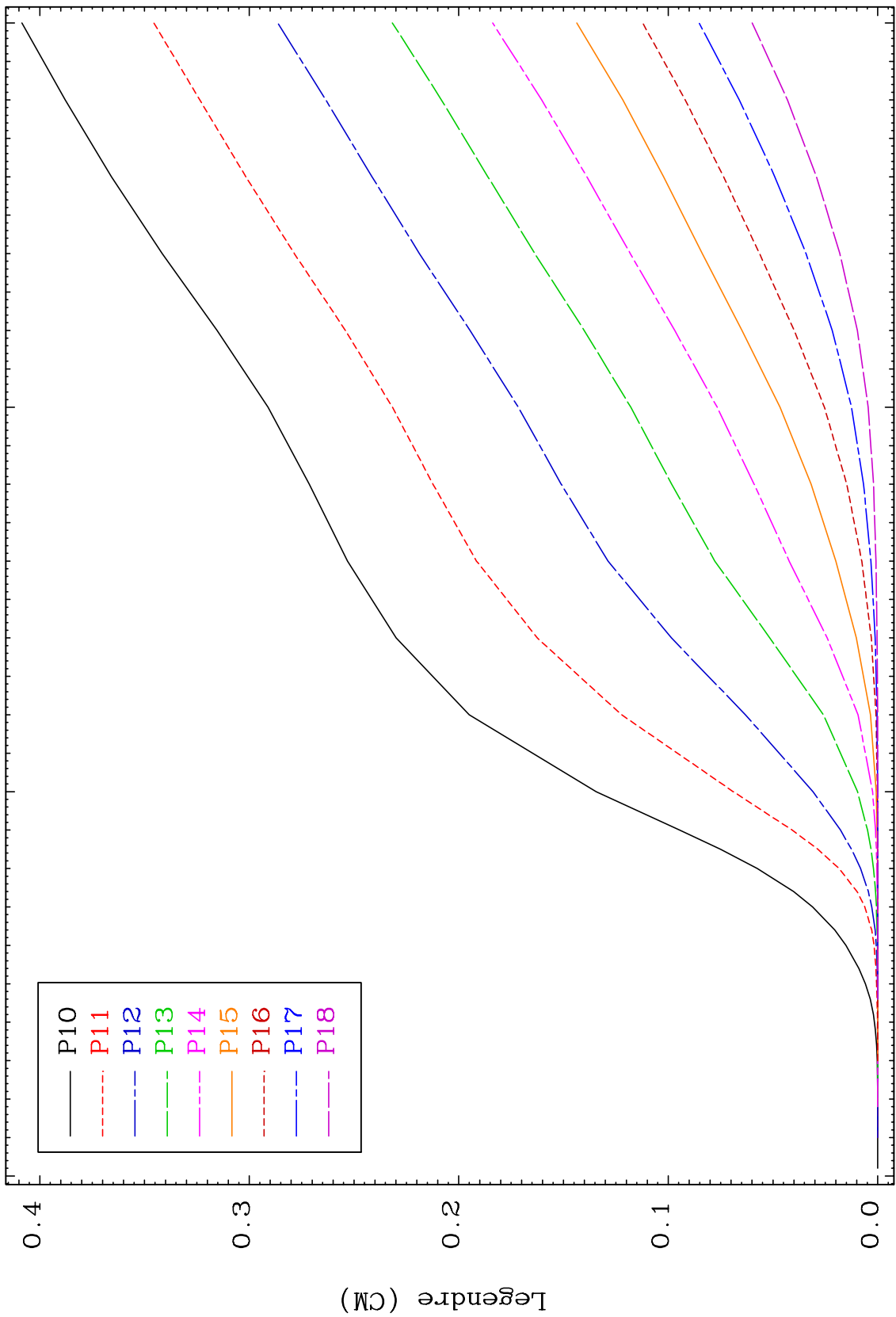
Incident Energy (MeV)

16

MAT 8043

Elastic Legendre Coefficients

80-Hg-202



17

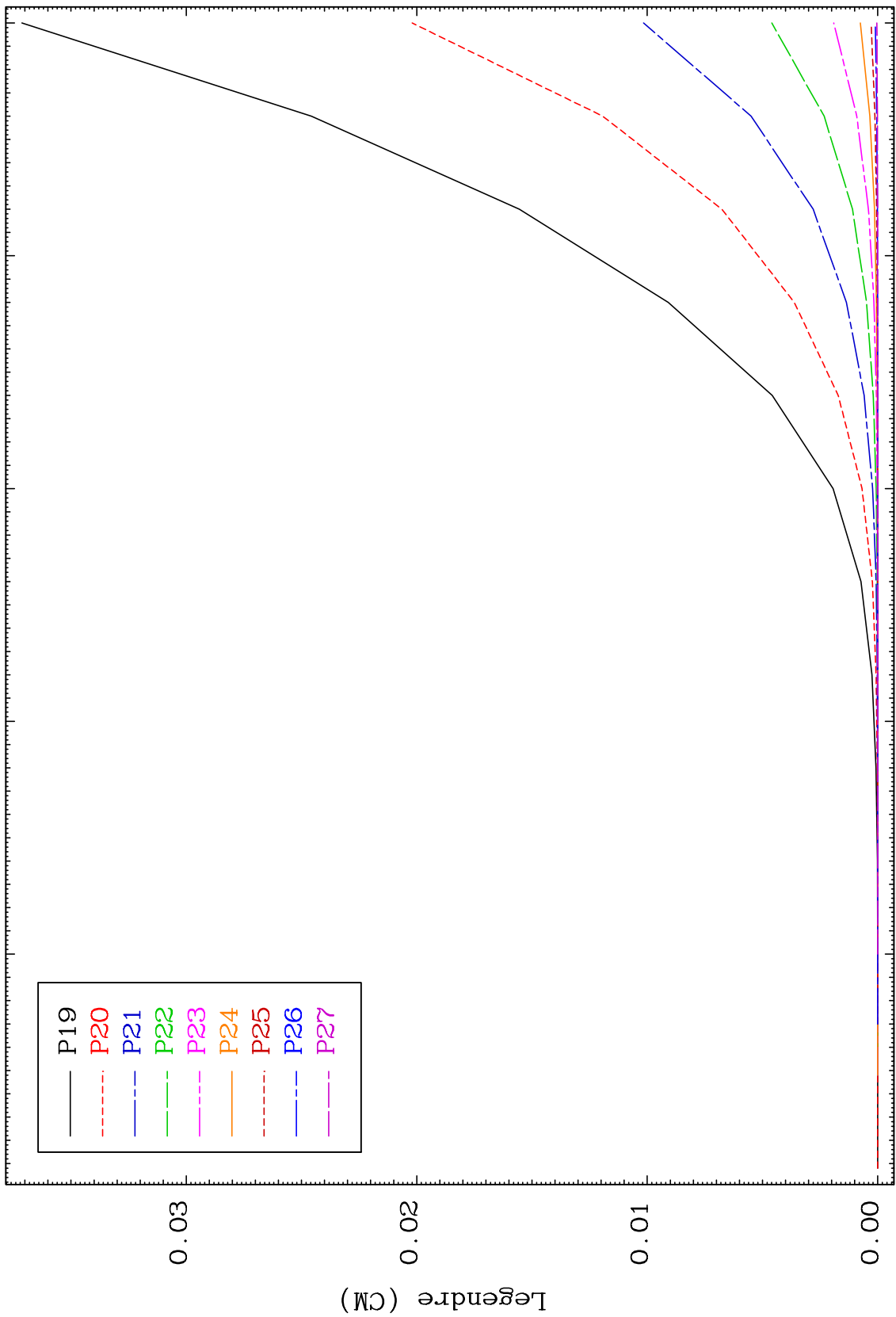
Incident Energy (MeV)

80-Hg-202

MAT 8043

Elastic Legendre Coefficients

80-Hg-202



18

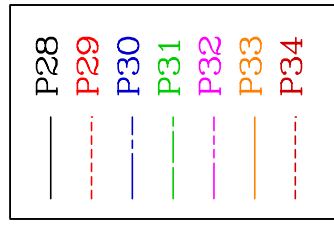
Incident Energy (MeV)

80-Hg-202

MAT 8043

Elastic Legendre Coefficients

80-Hg-202



$\times 10^{-5}$

Legendre (CM)

1.0

0.8

0.6

0.4

0.2

0.0

15

20

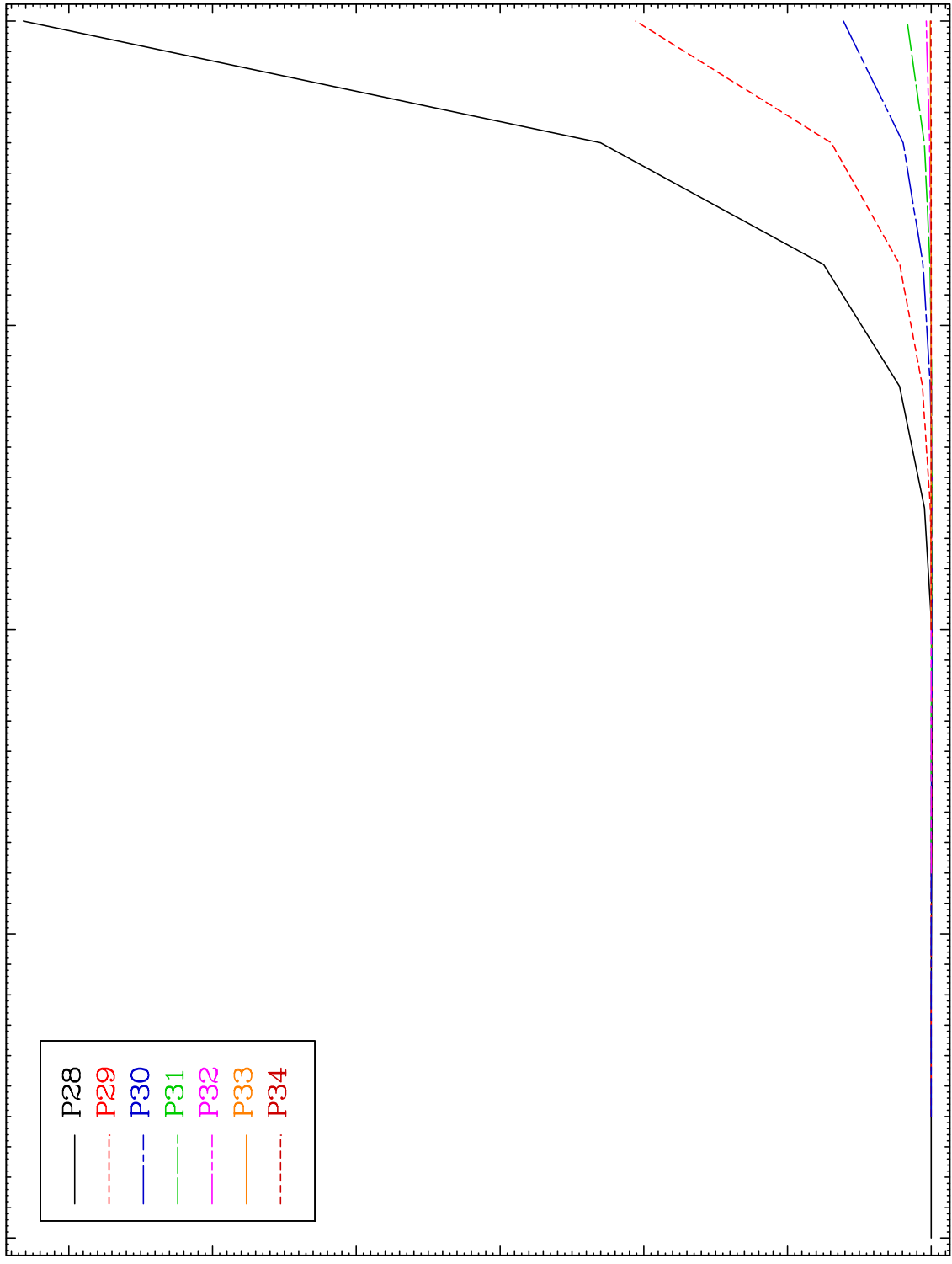
25

30

19

Incident Energy (MeV)

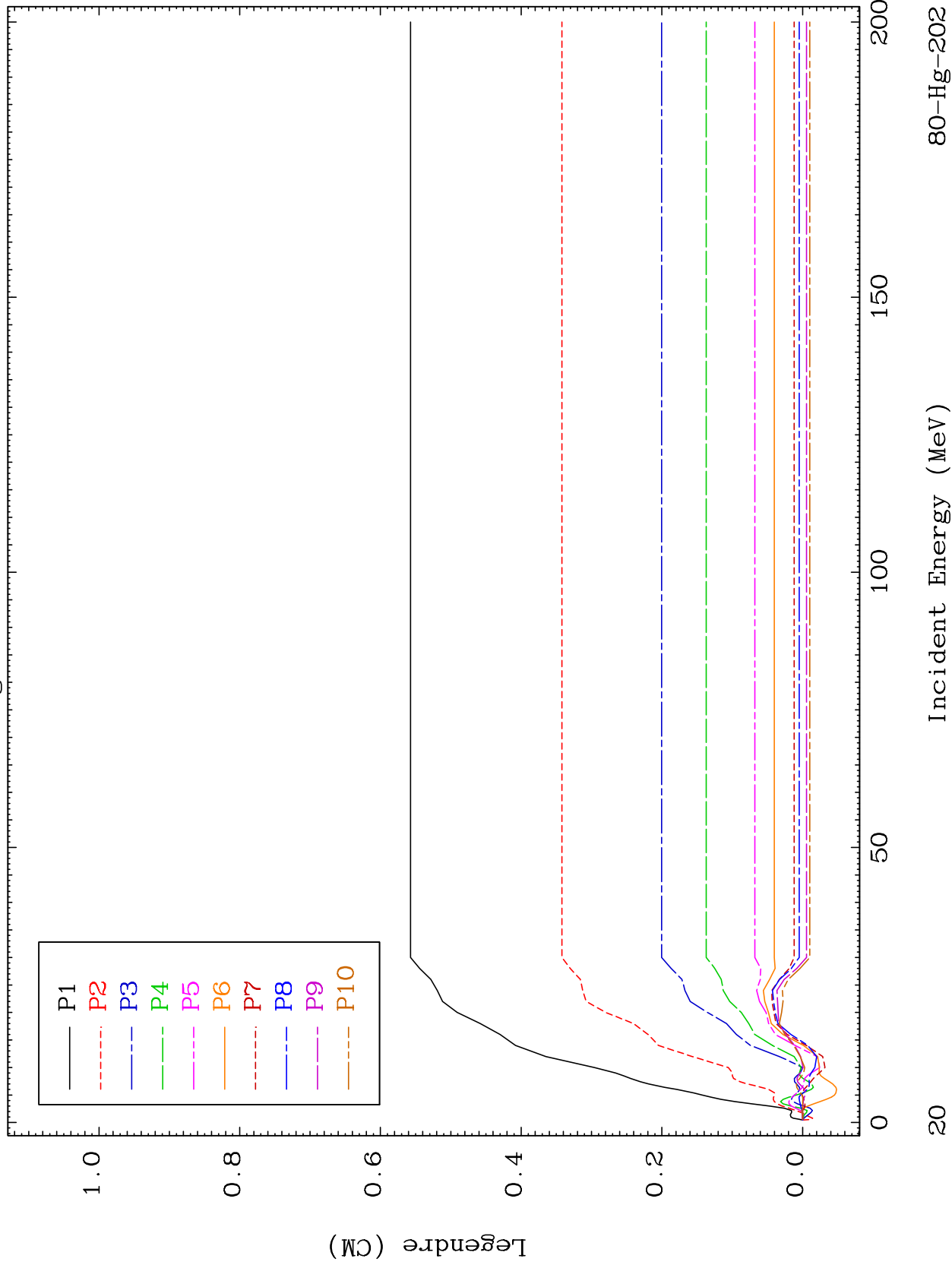
80-Hg-202



MAT 8043

439.5 keV (n, n') Level
Legendre Coefficients

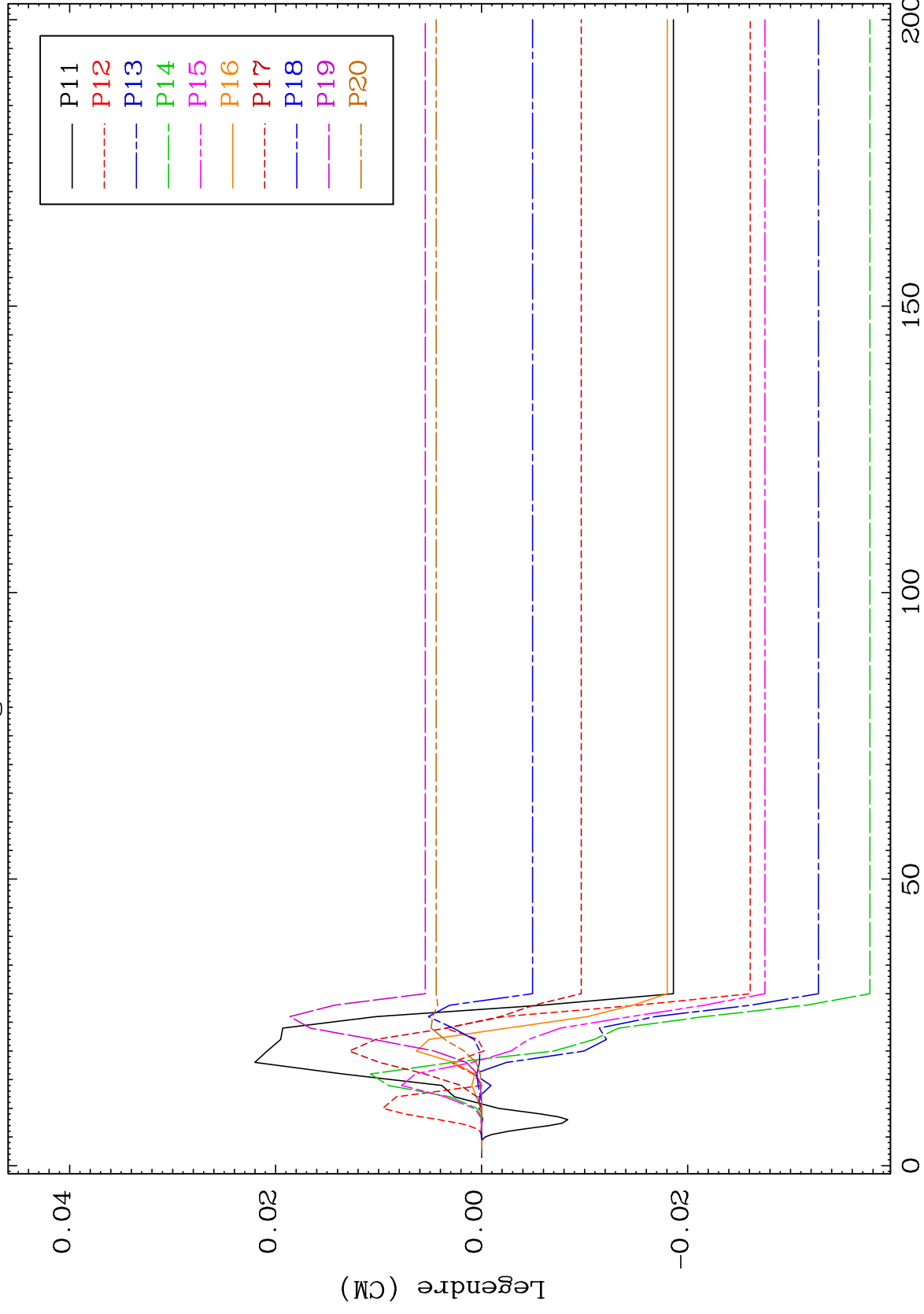
80-Hg-202



MAT 8043

439.5 keV (n,n') Level
Legendre Coefficients

80-Hg-202



21

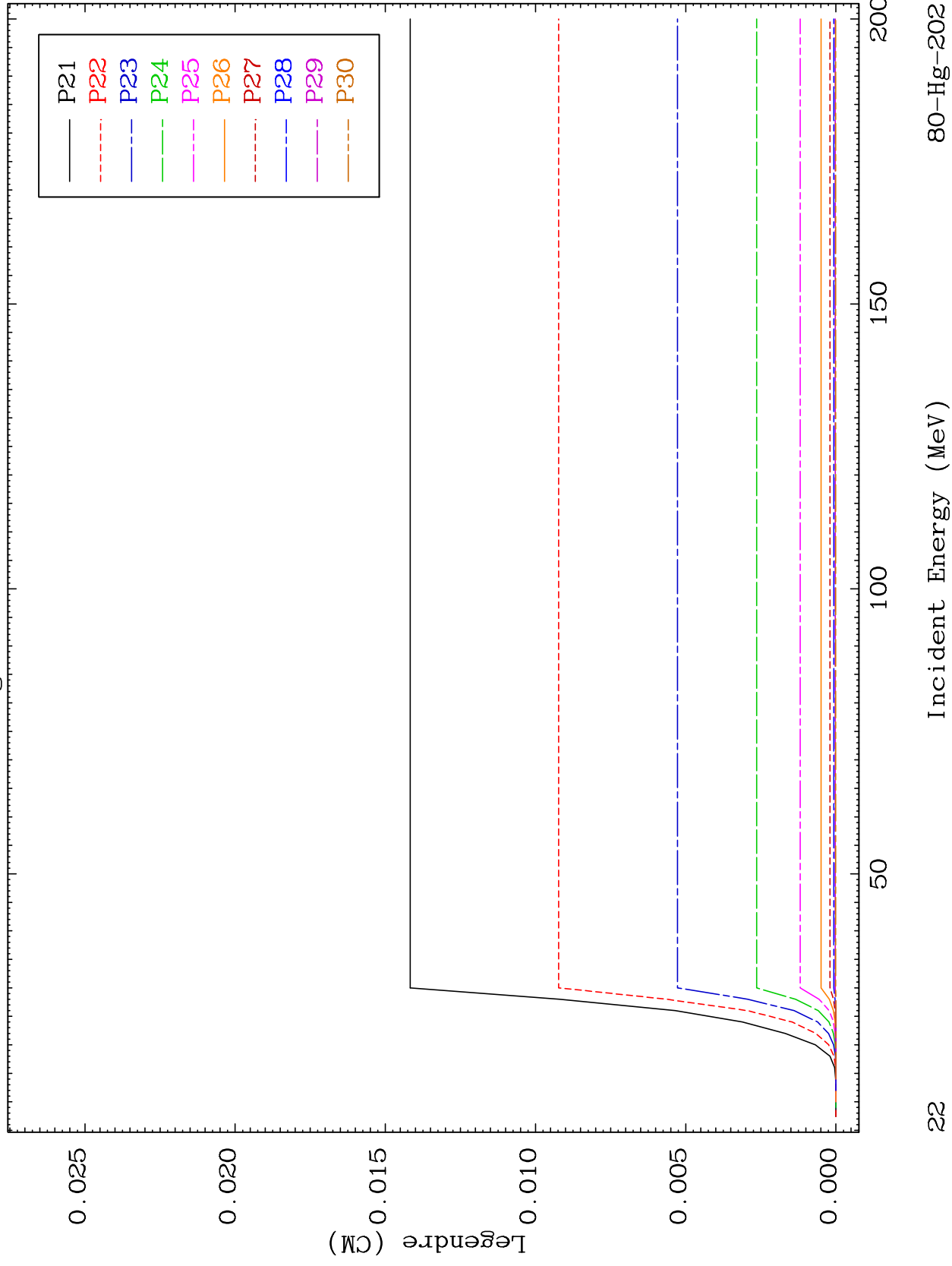
Incident Energy (MeV)

80-Hg-202

MAT 8043

439.5 keV (n,n') Level
Legendre Coefficients

80-Hg-202



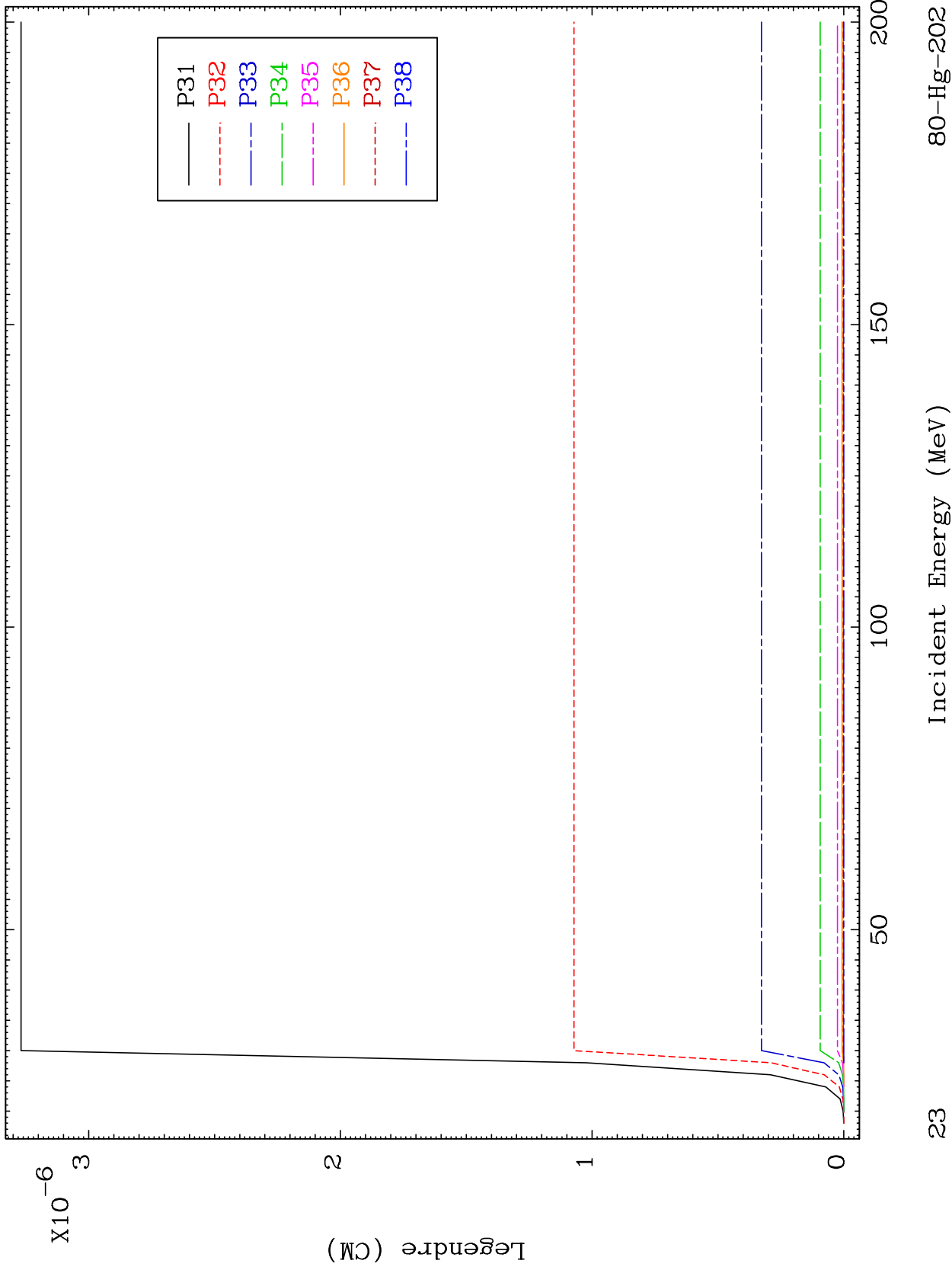
22

80-Hg-202

MAT 8043

439.5 keV (n,n') Level
Legendre Coefficients

80-Hg-202



23

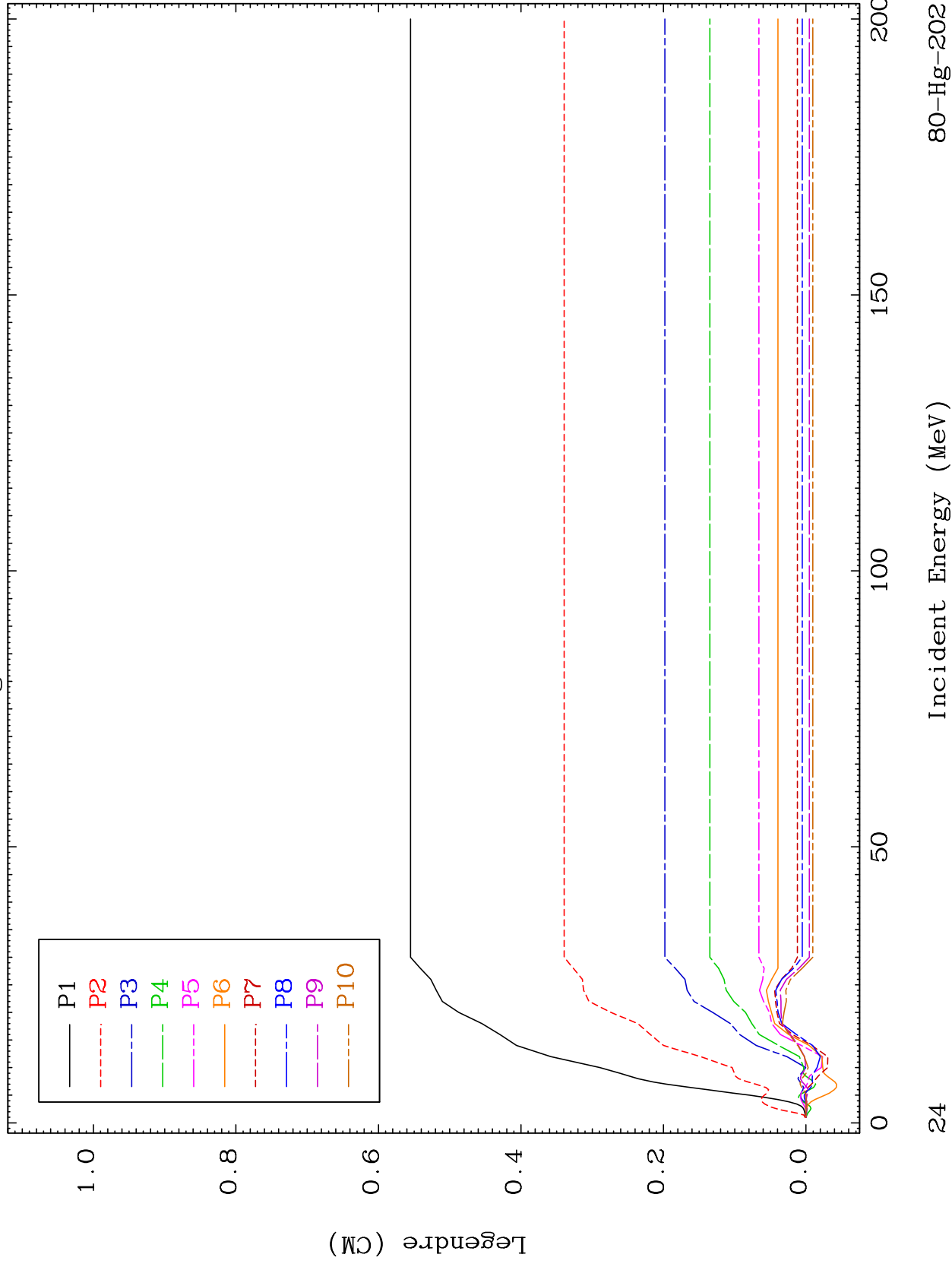
Incident Energy (MeV)

80-Hg-202

MAT 8043

959.9 keV (n,n') Level
Legendre Coefficients

80-Hg-202

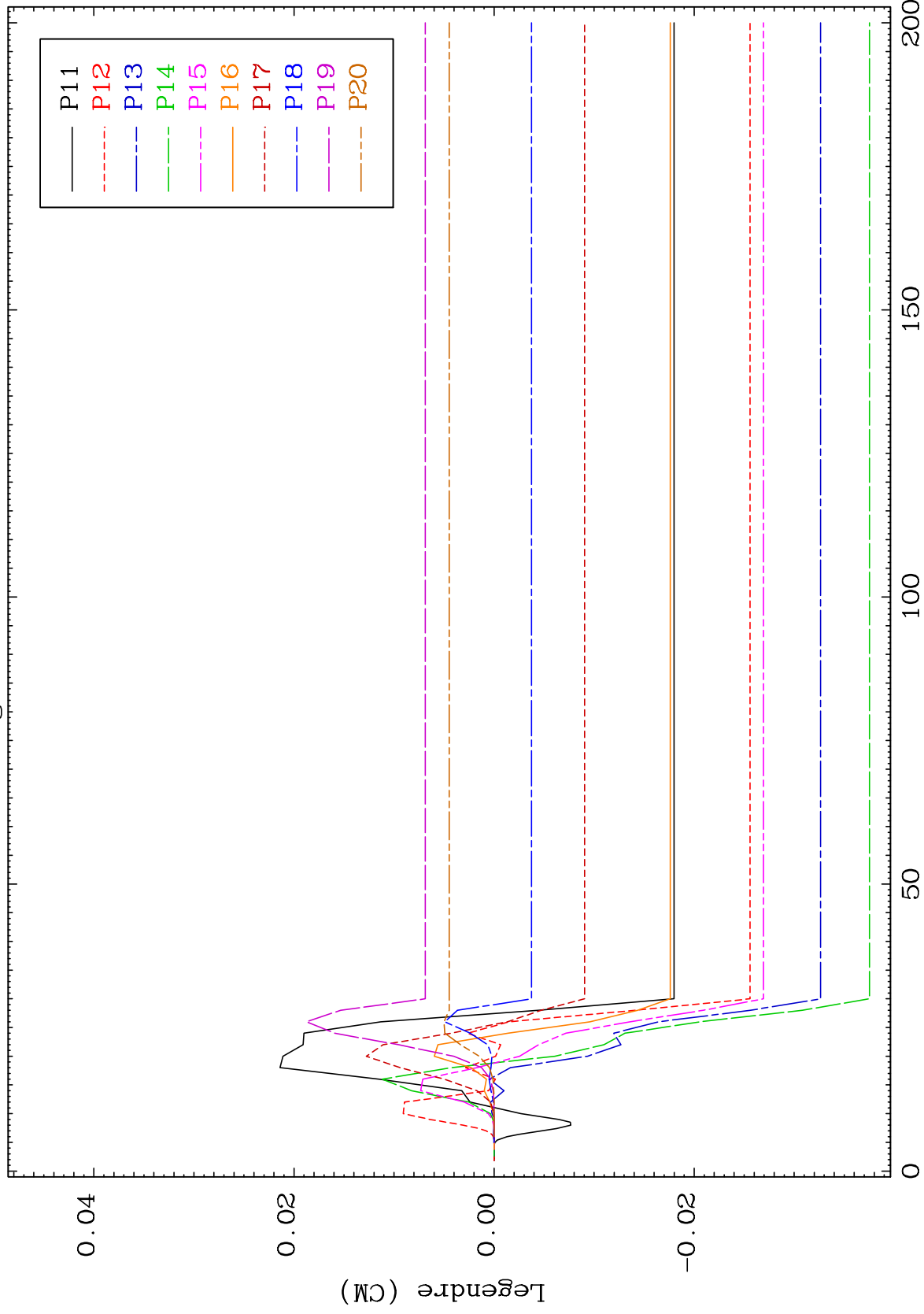


24

MAT 8043

959.9 keV (n,n') Level
Legendre Coefficients

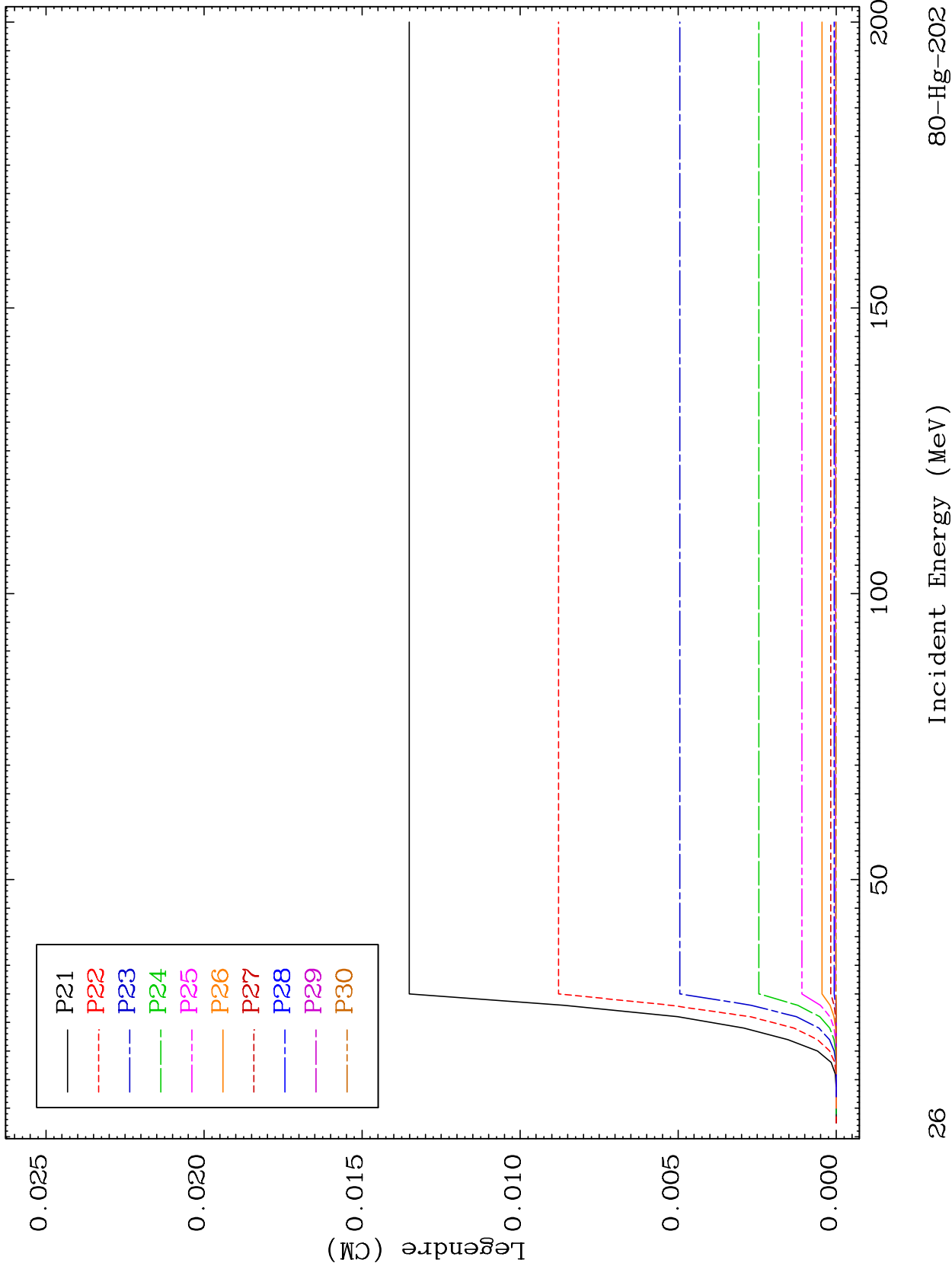
80-Hg-202



25

Incident Energy (MeV)

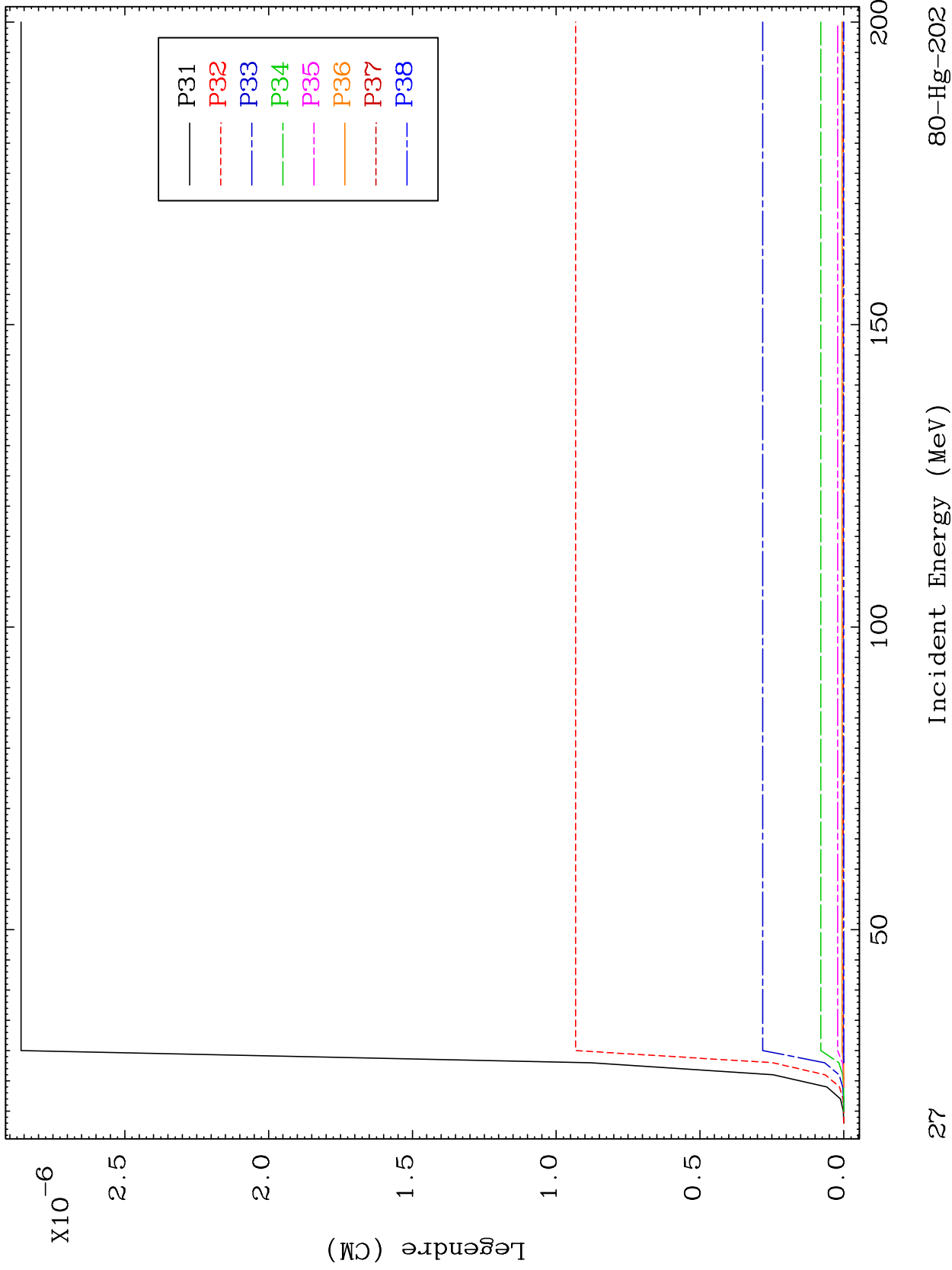
80-Hg-202

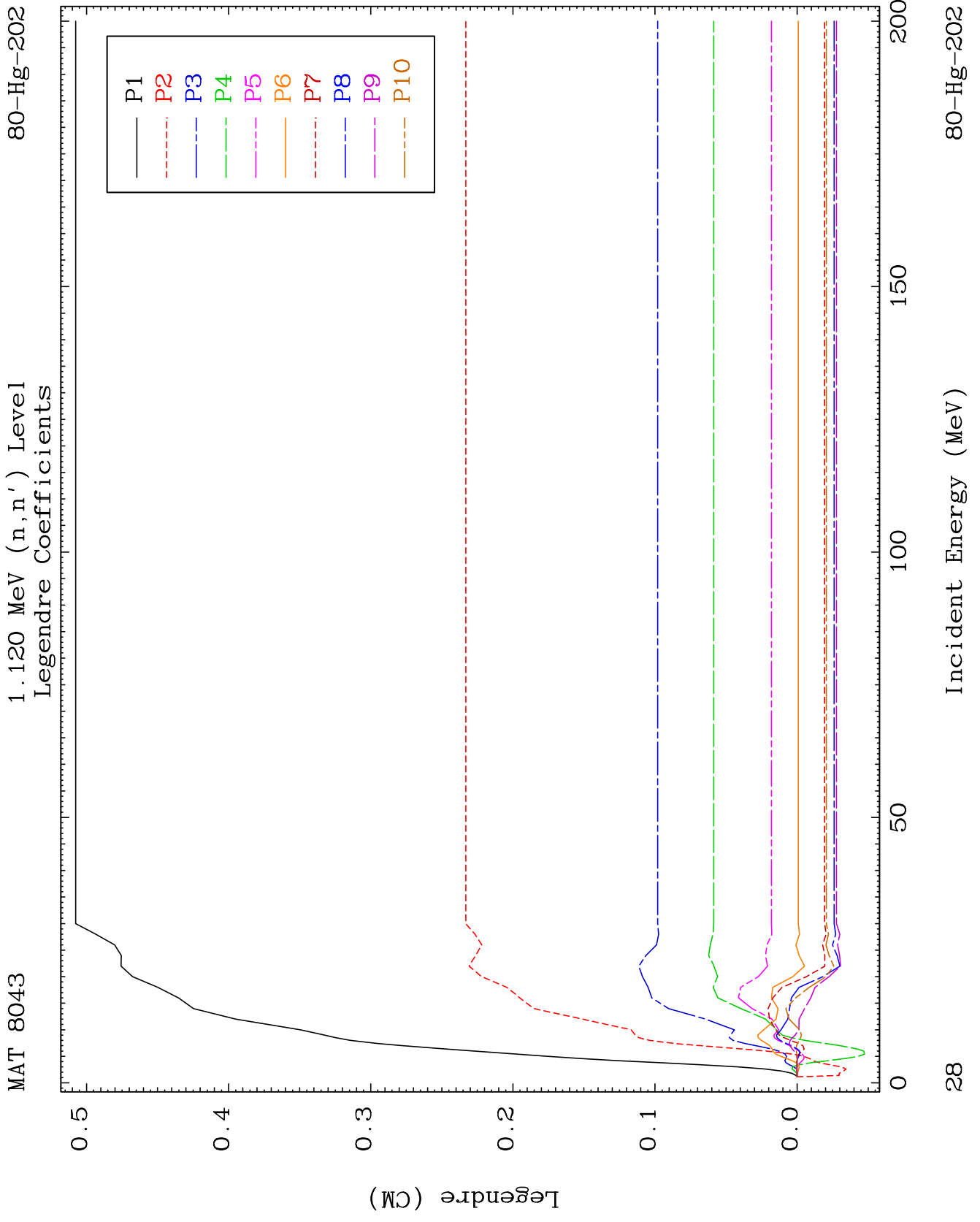


MAT 8043

959.9 keV (n,n') Level
Legendre Coefficients

80-Hg-202

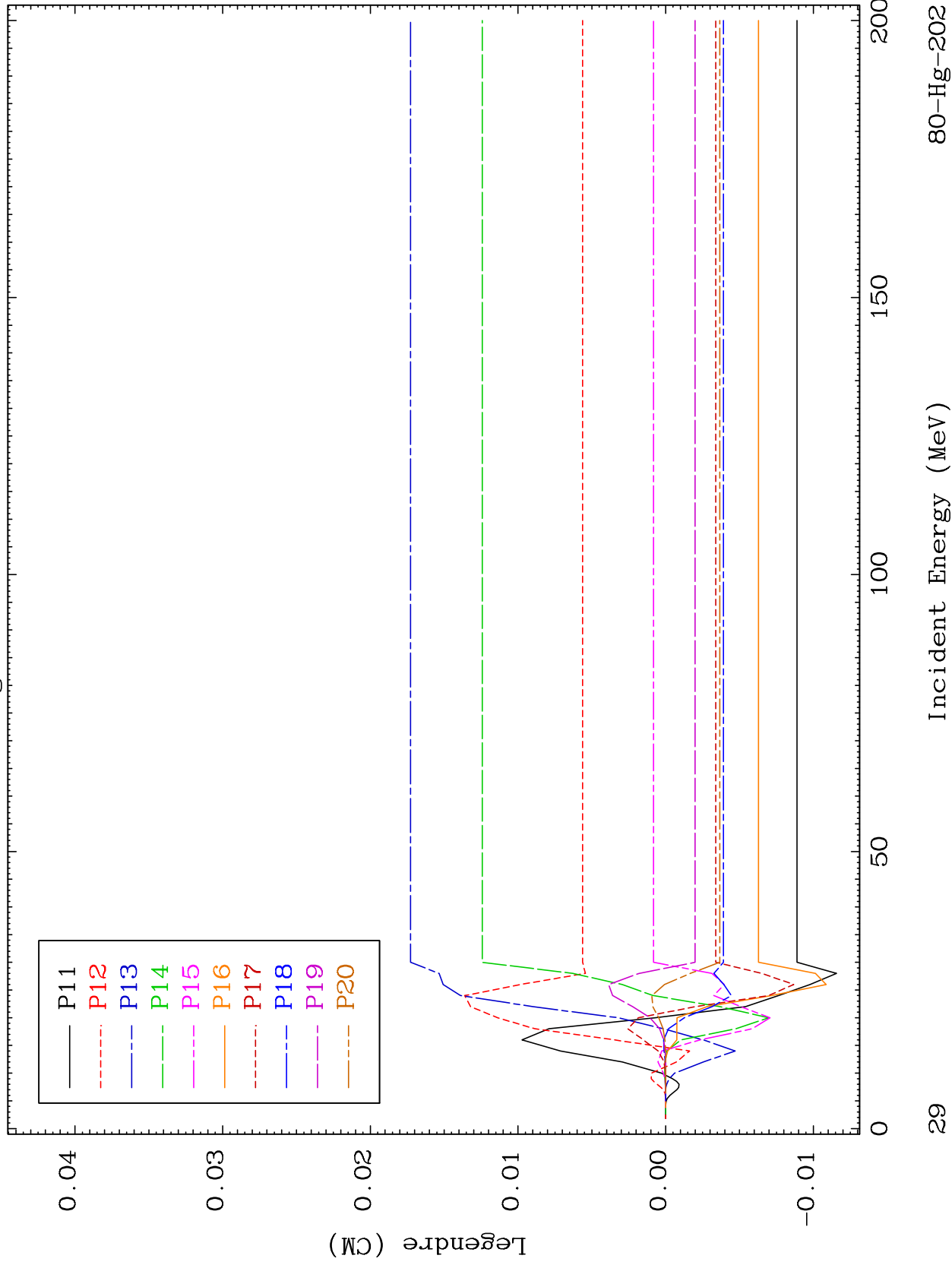




MAT 8043

1.120 MeV (n,n') Level
Legendre Coefficients

80-Hg-202

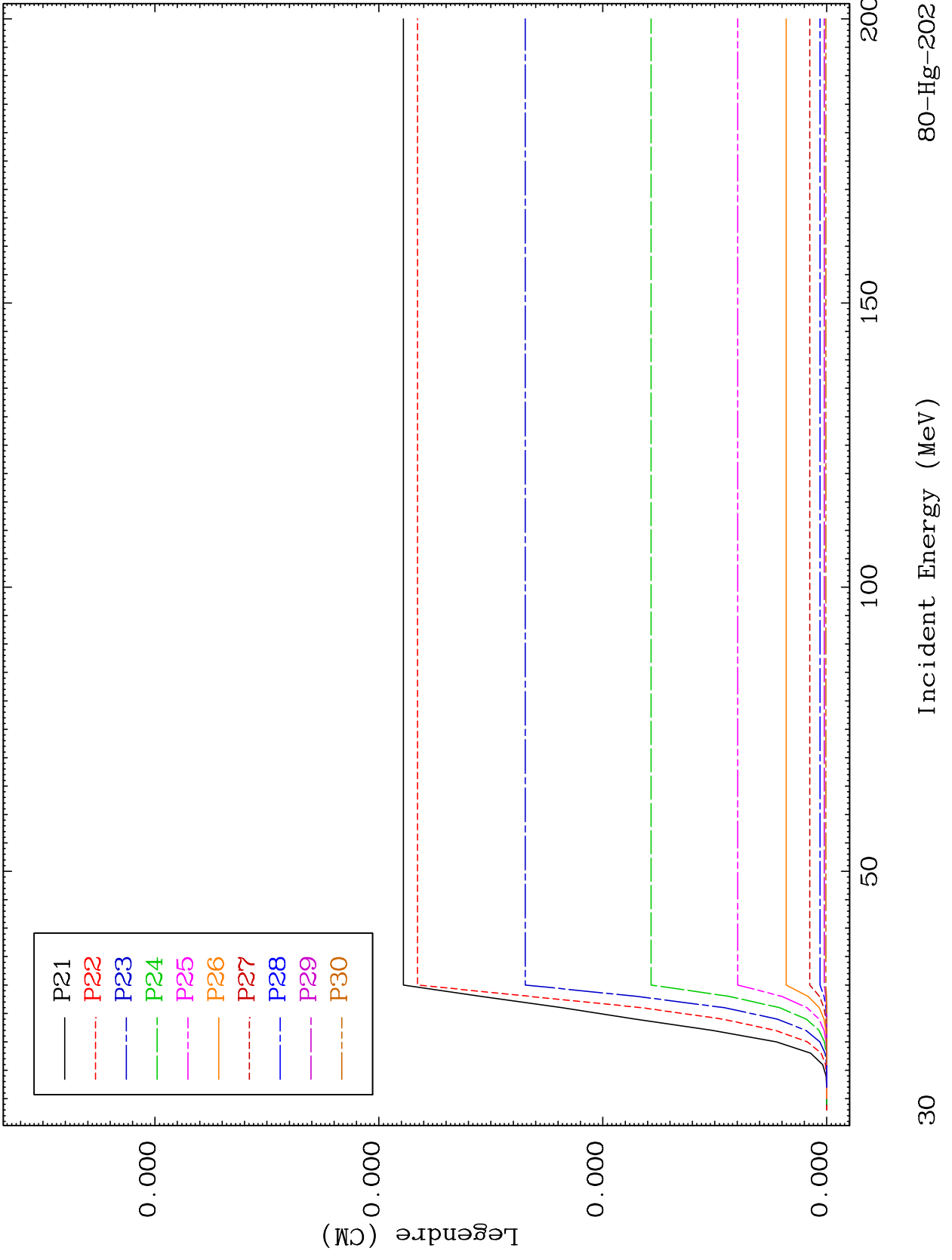


29

MAT 8043

1.120 MeV (n,n') Level
Legendre Coefficients

80-Hg-202



30

Incident Energy (MeV)

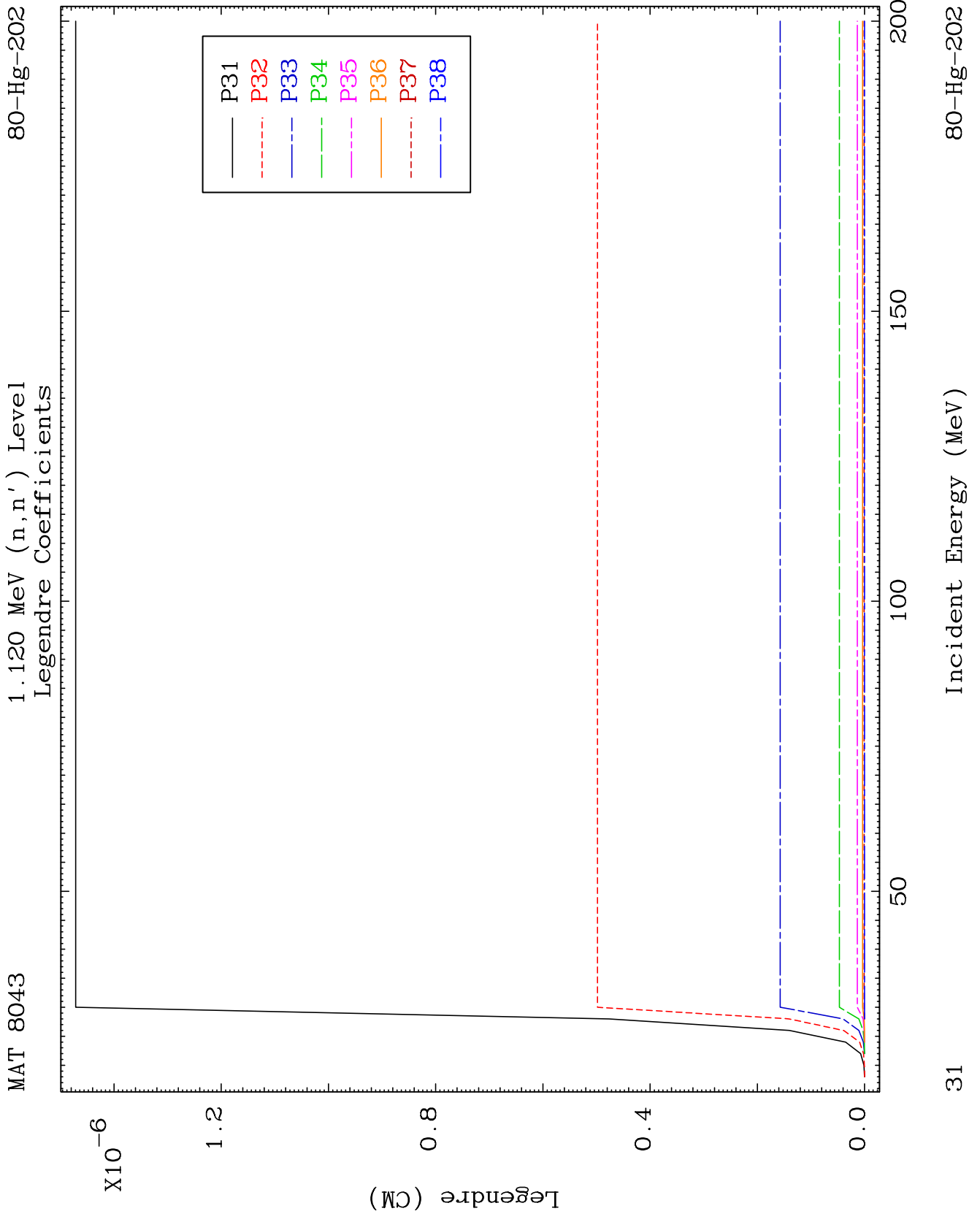
50

100

150

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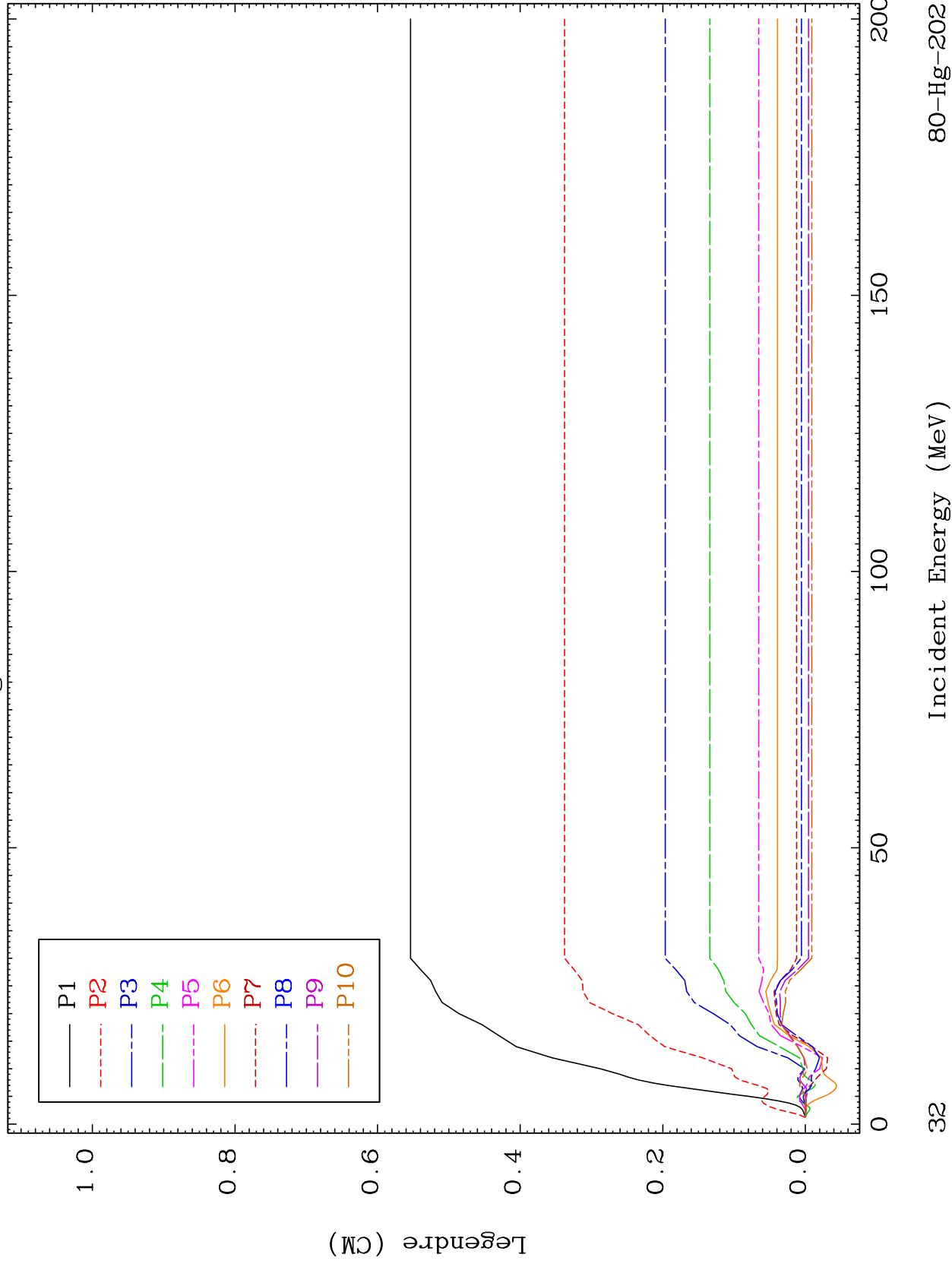
80-Hg-202



MAT 8043

1.182 MeV (n,n') Level
Legendre Coefficients

80-Hg-202



32

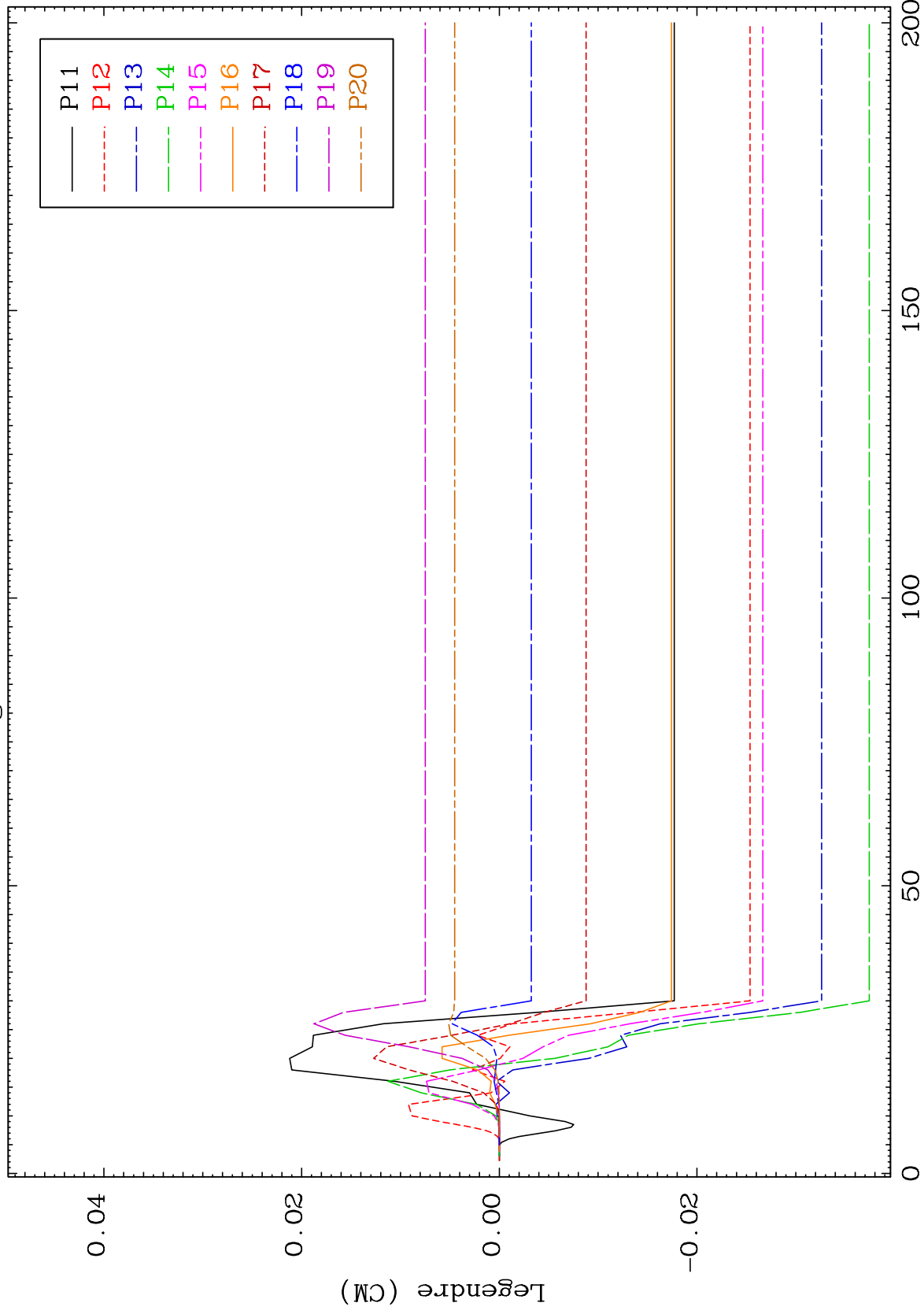
Incident Energy (MeV)

80-Hg-202

MAT 8043

1.182 MeV (n,n') Level
Legendre Coefficients

80-Hg-202



33

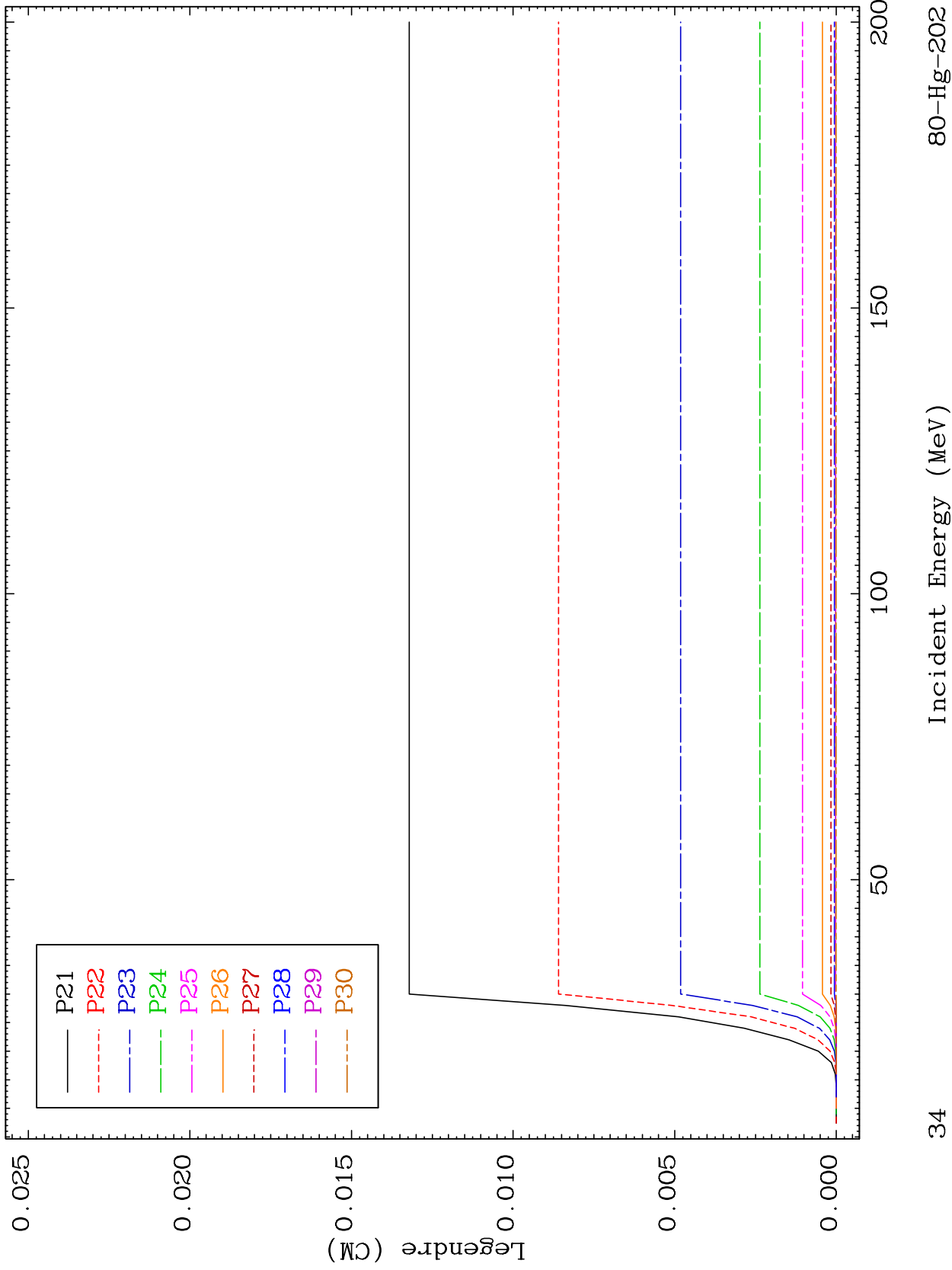
Incident Energy (MeV)

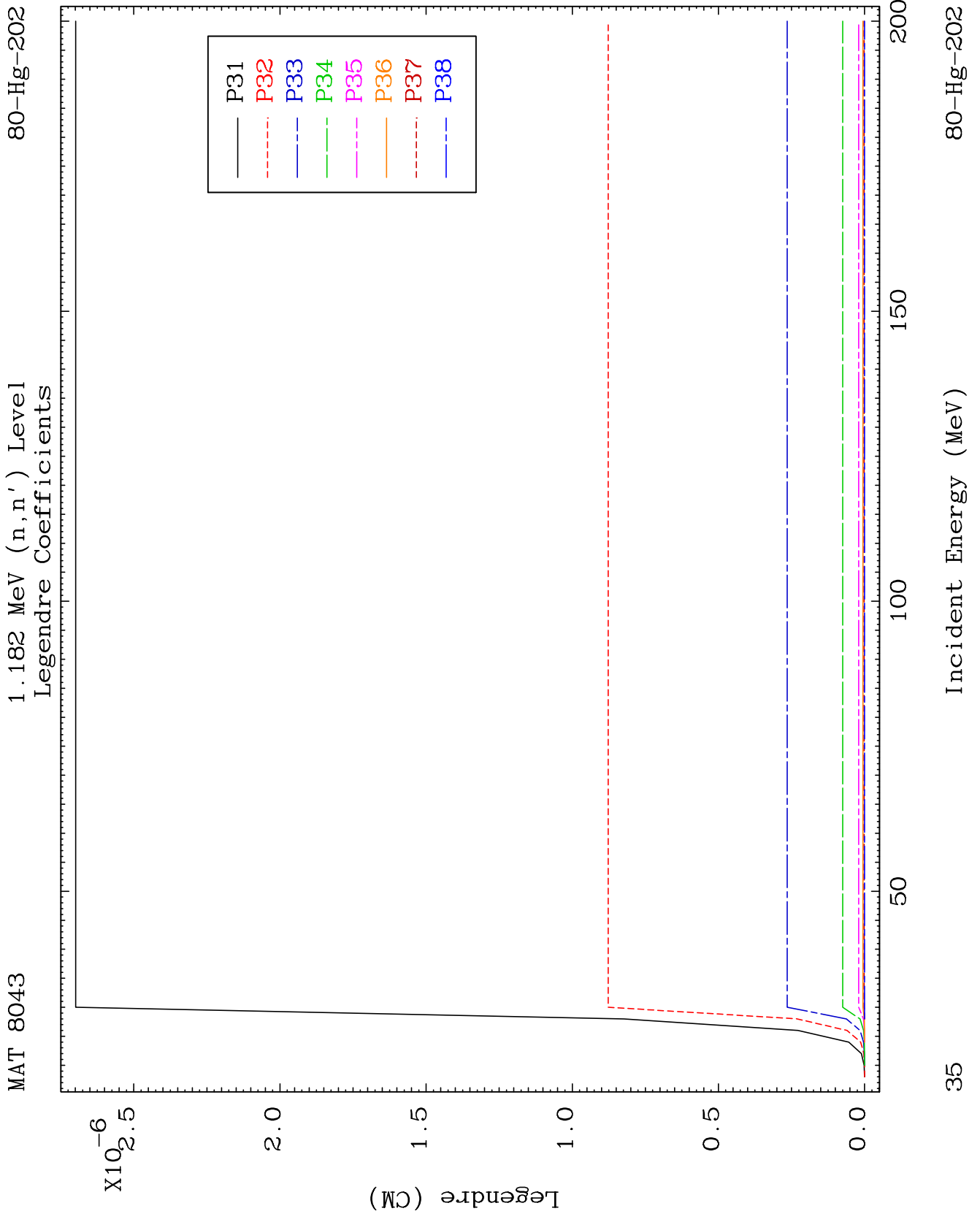
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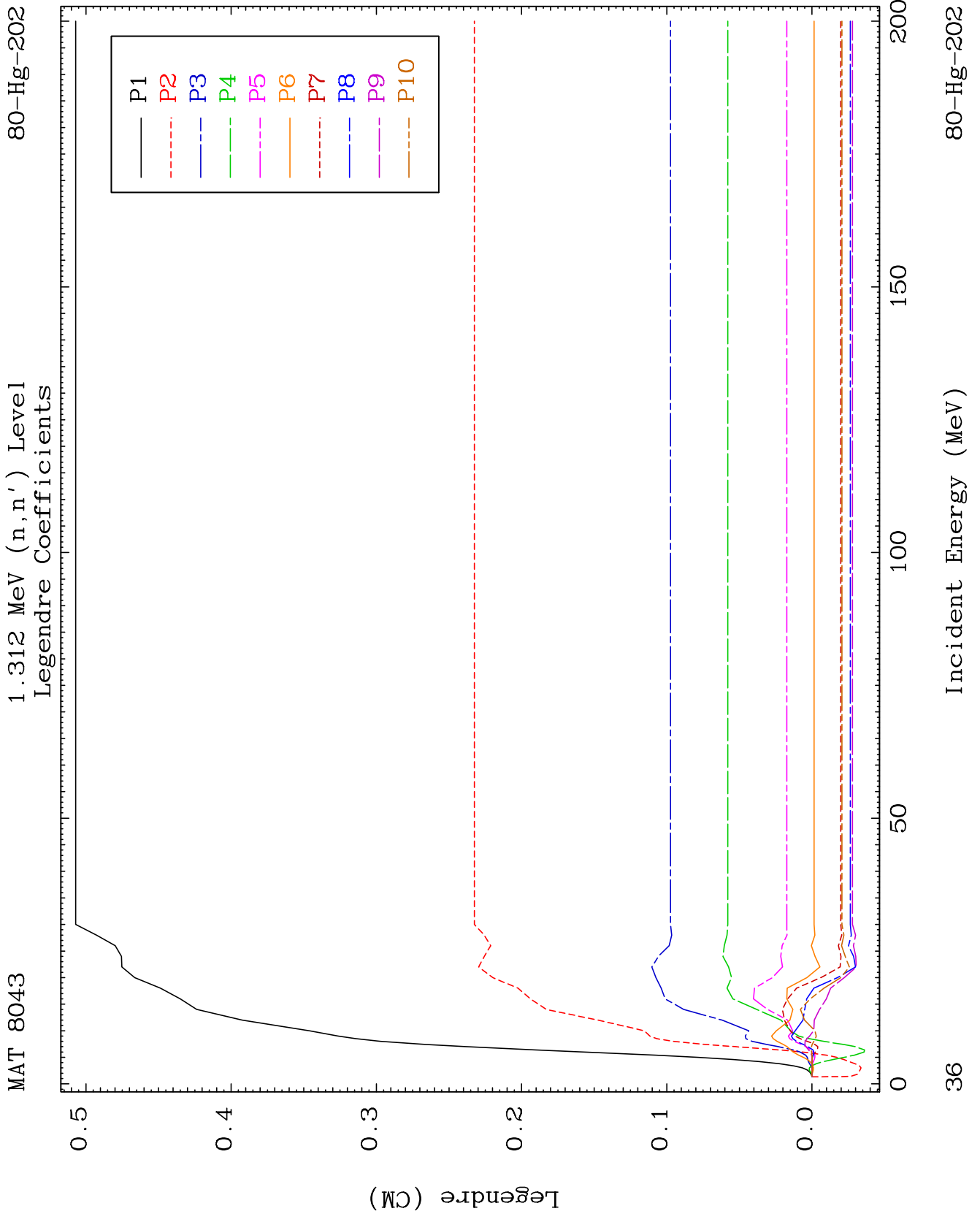
MAT 8043

1.182 MeV (n,n') Level
Legendre Coefficients

80-Hg-202



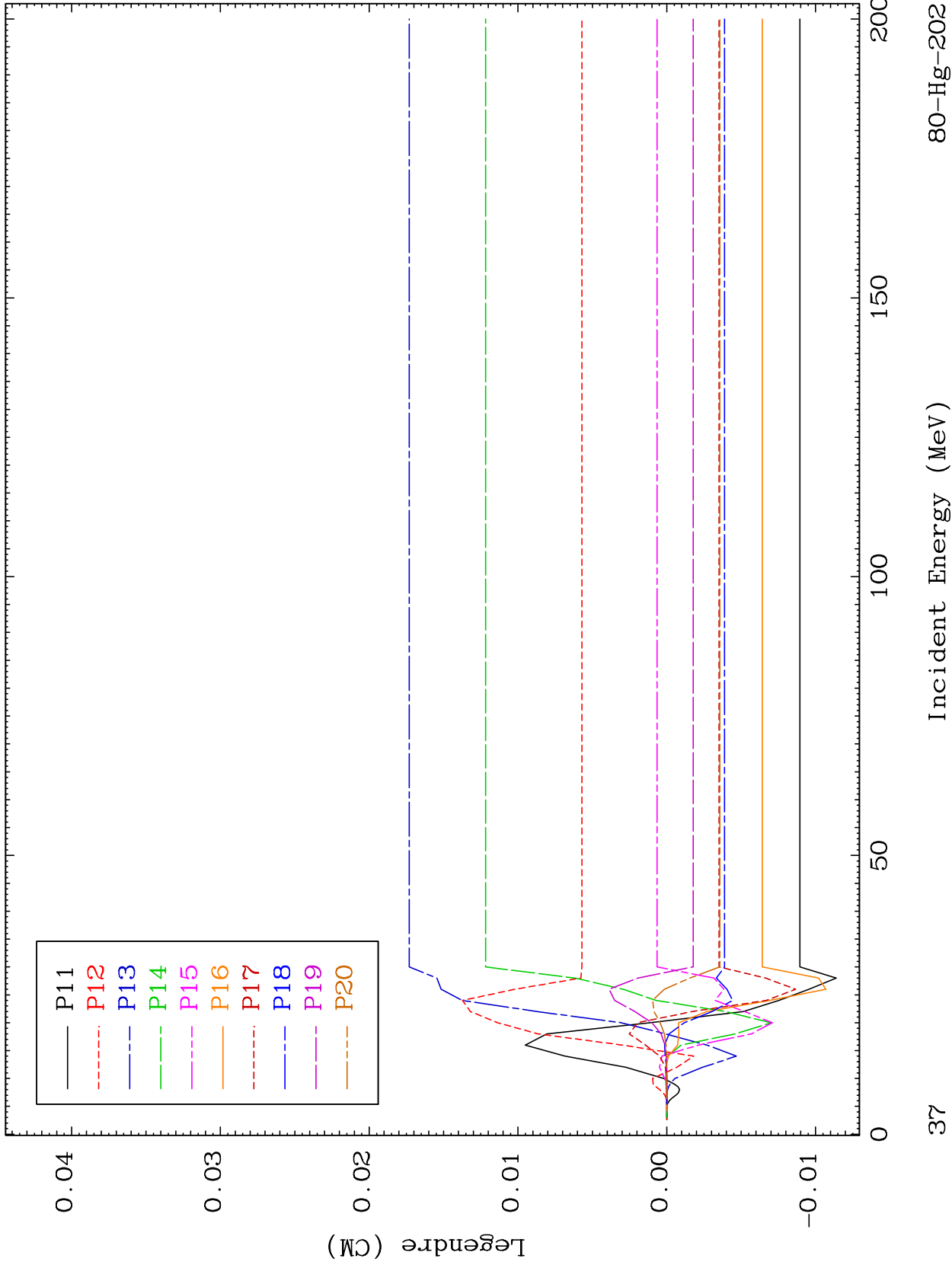




MAT 8043

1.312 MeV (n, n') Level
Legendre Coefficients

80-Hg-202



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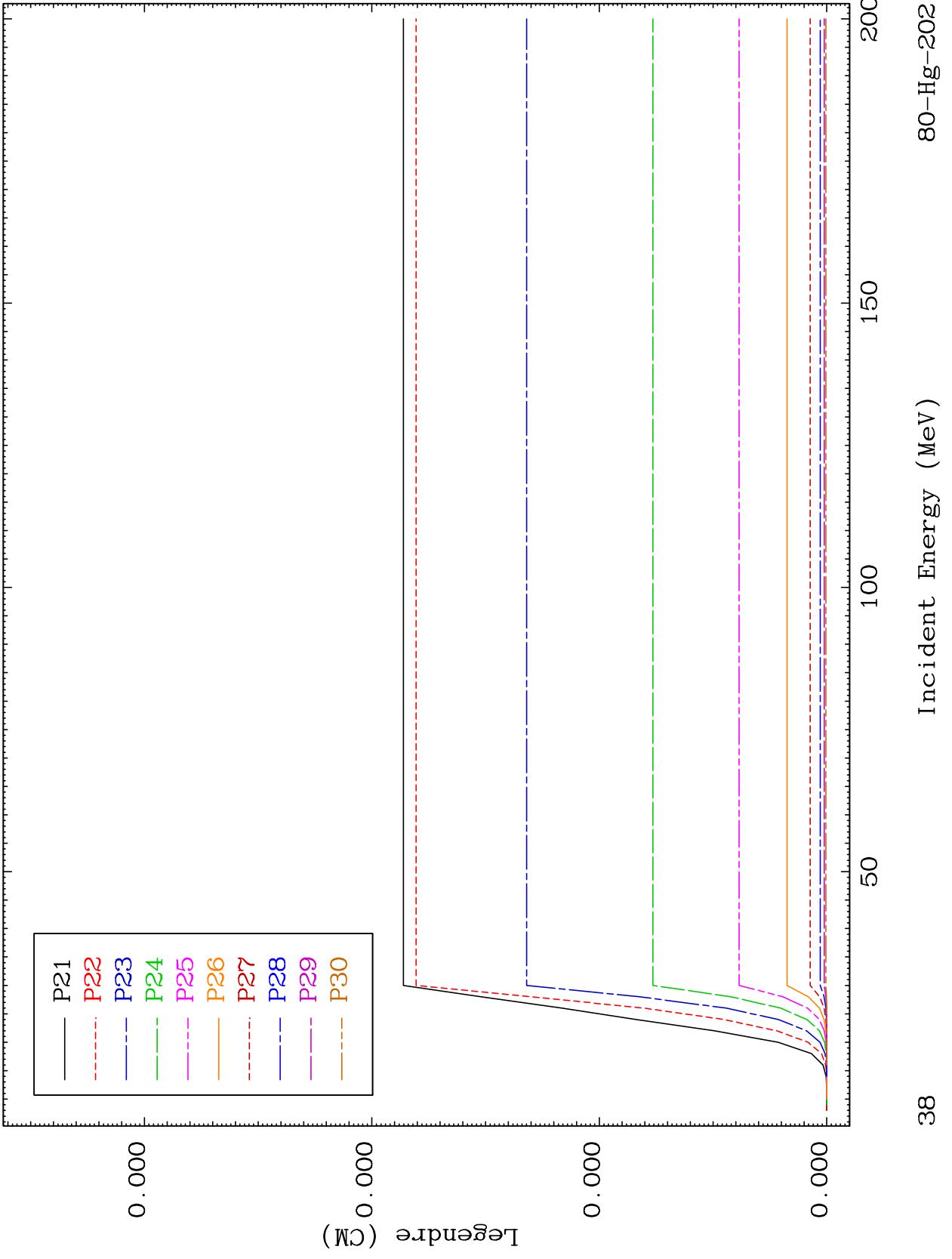
Incident Energy (MeV)

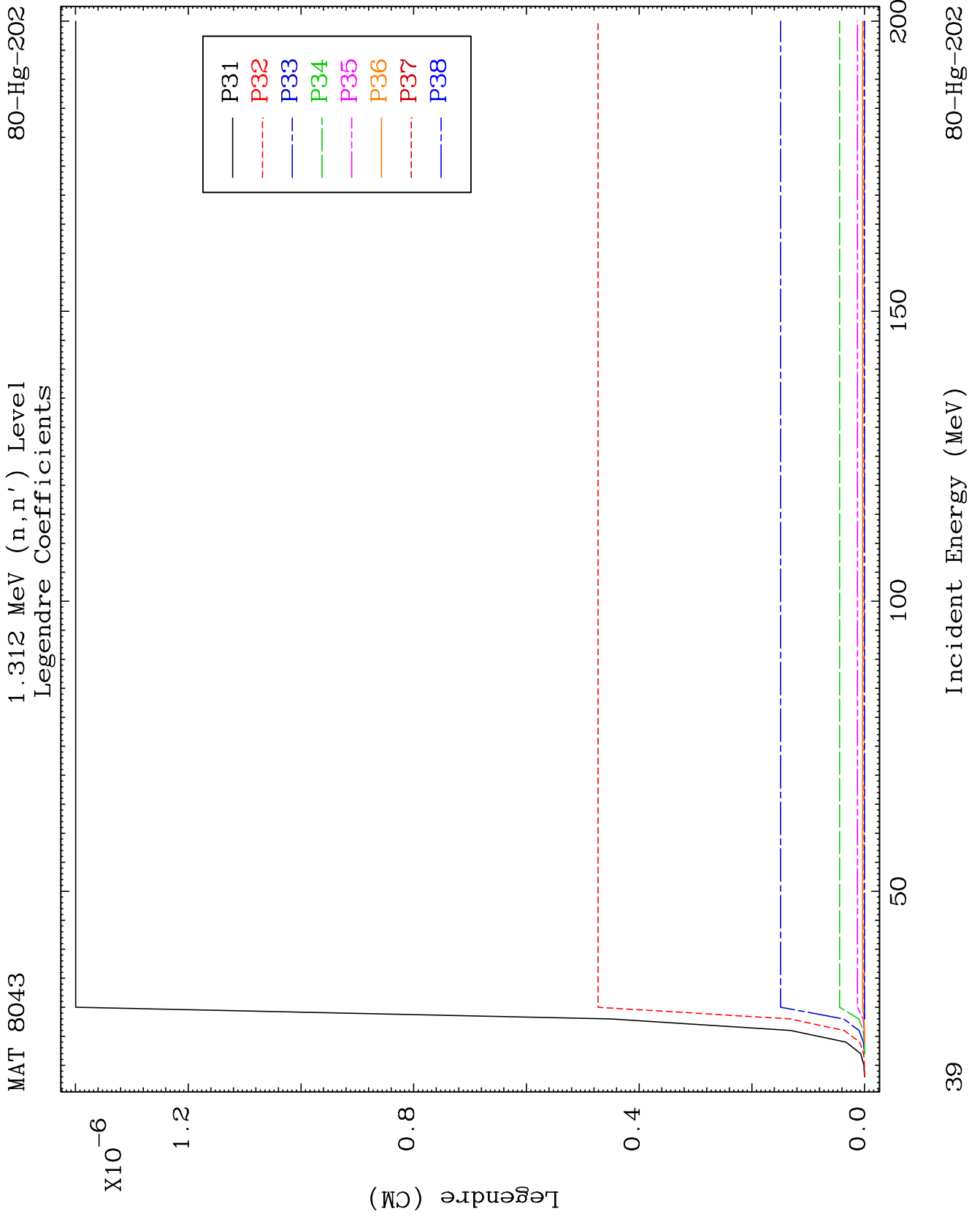
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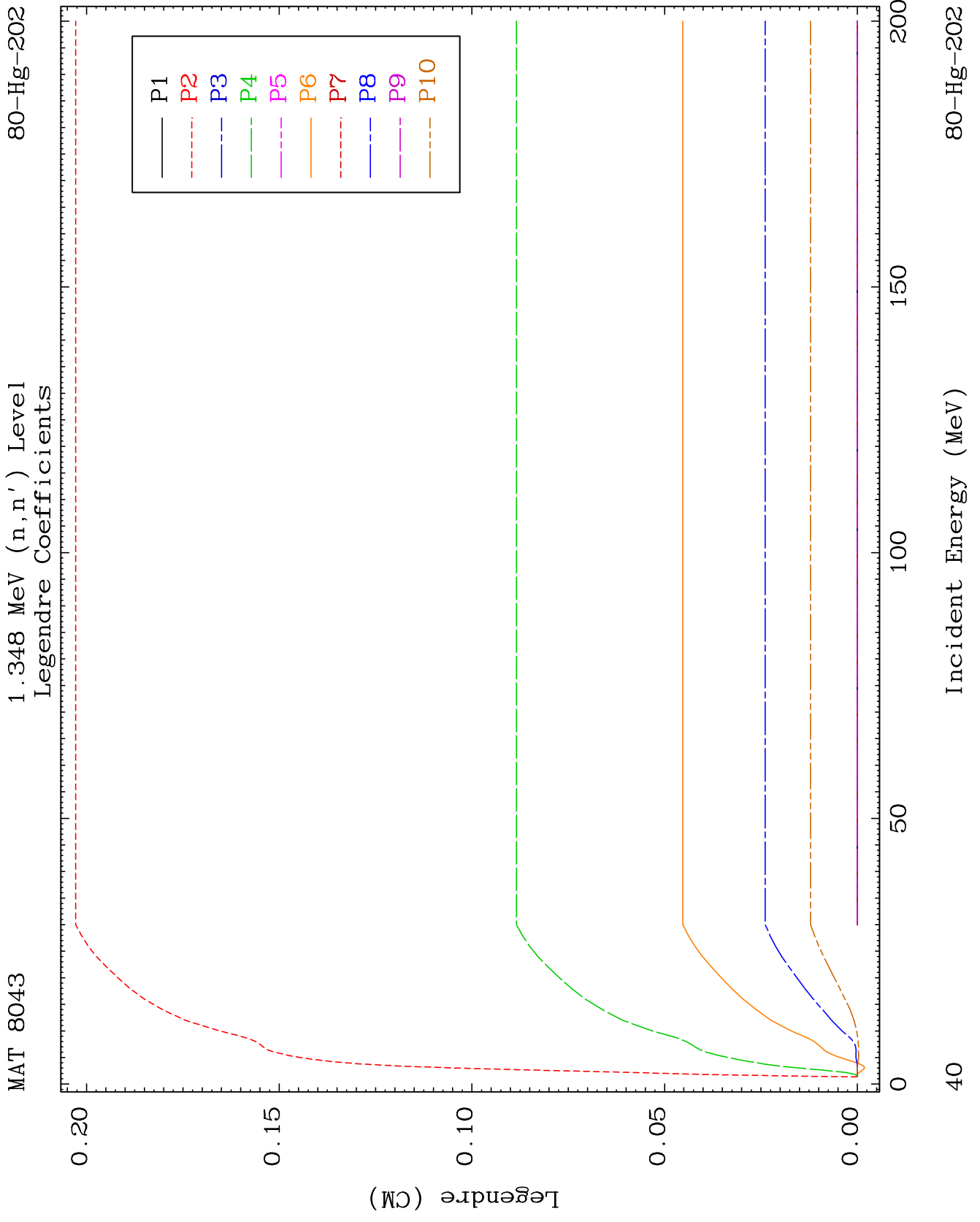
MAT 8043

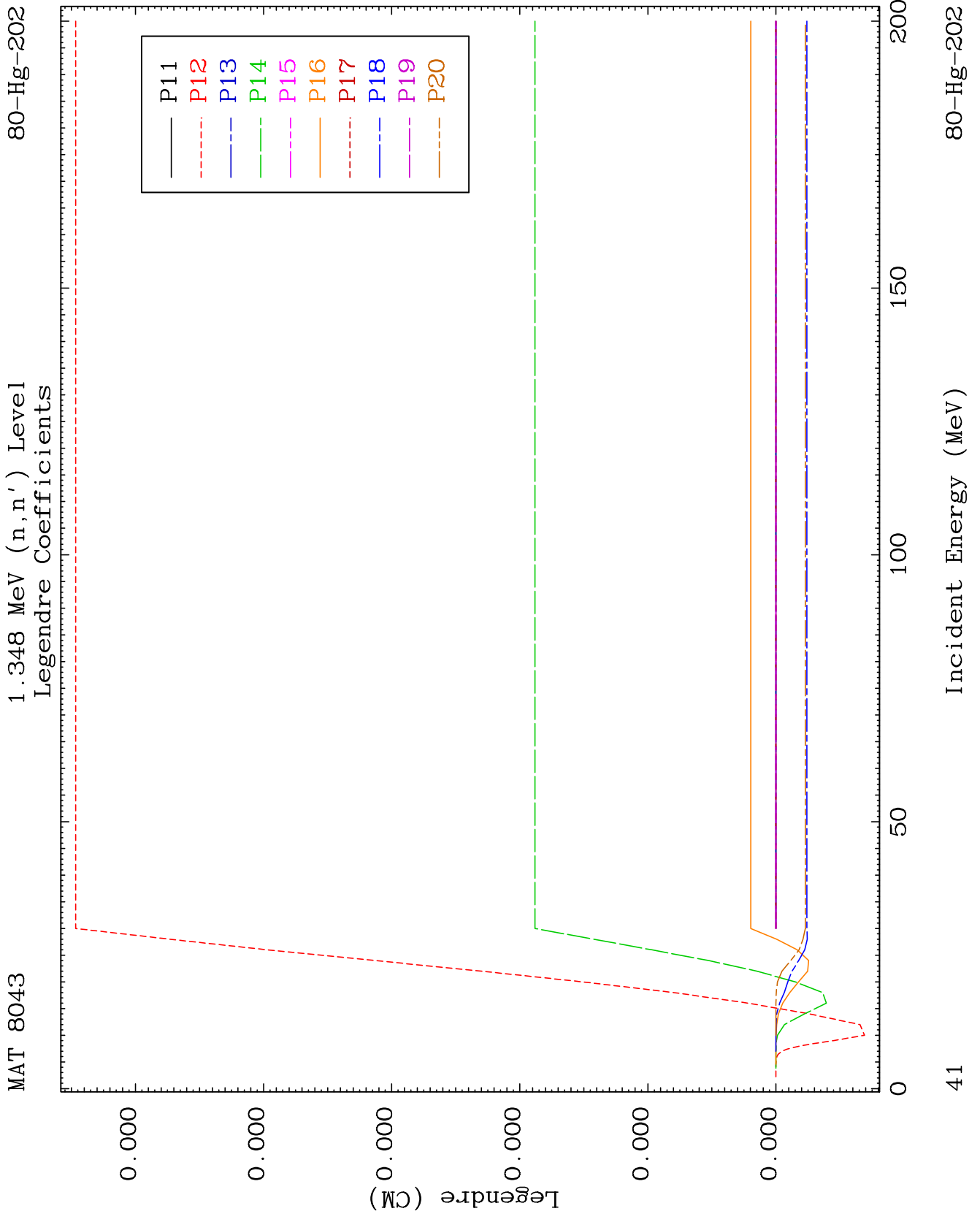
1.312 MeV (n,n') Level
Legendre Coefficients

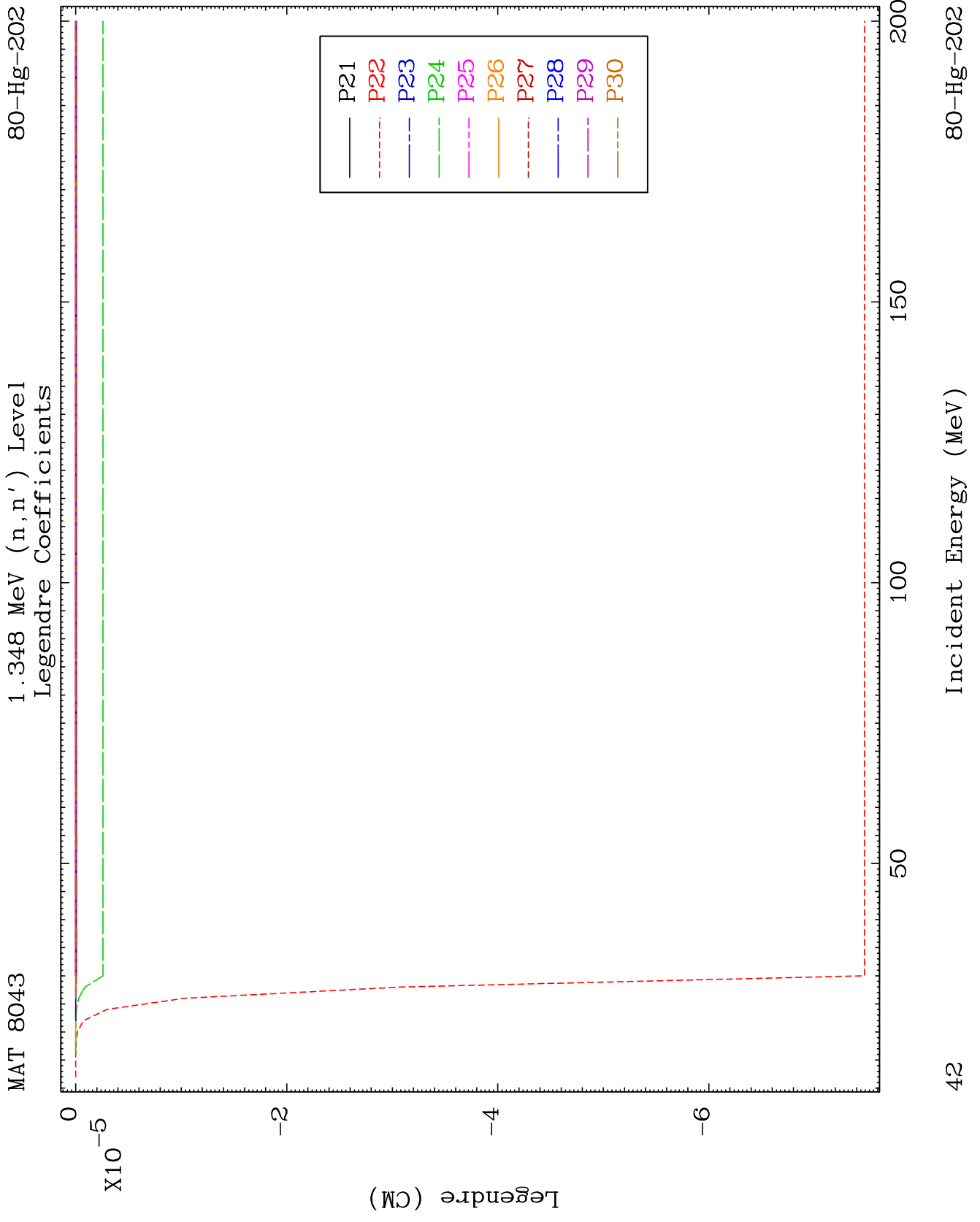
80-Hg-202







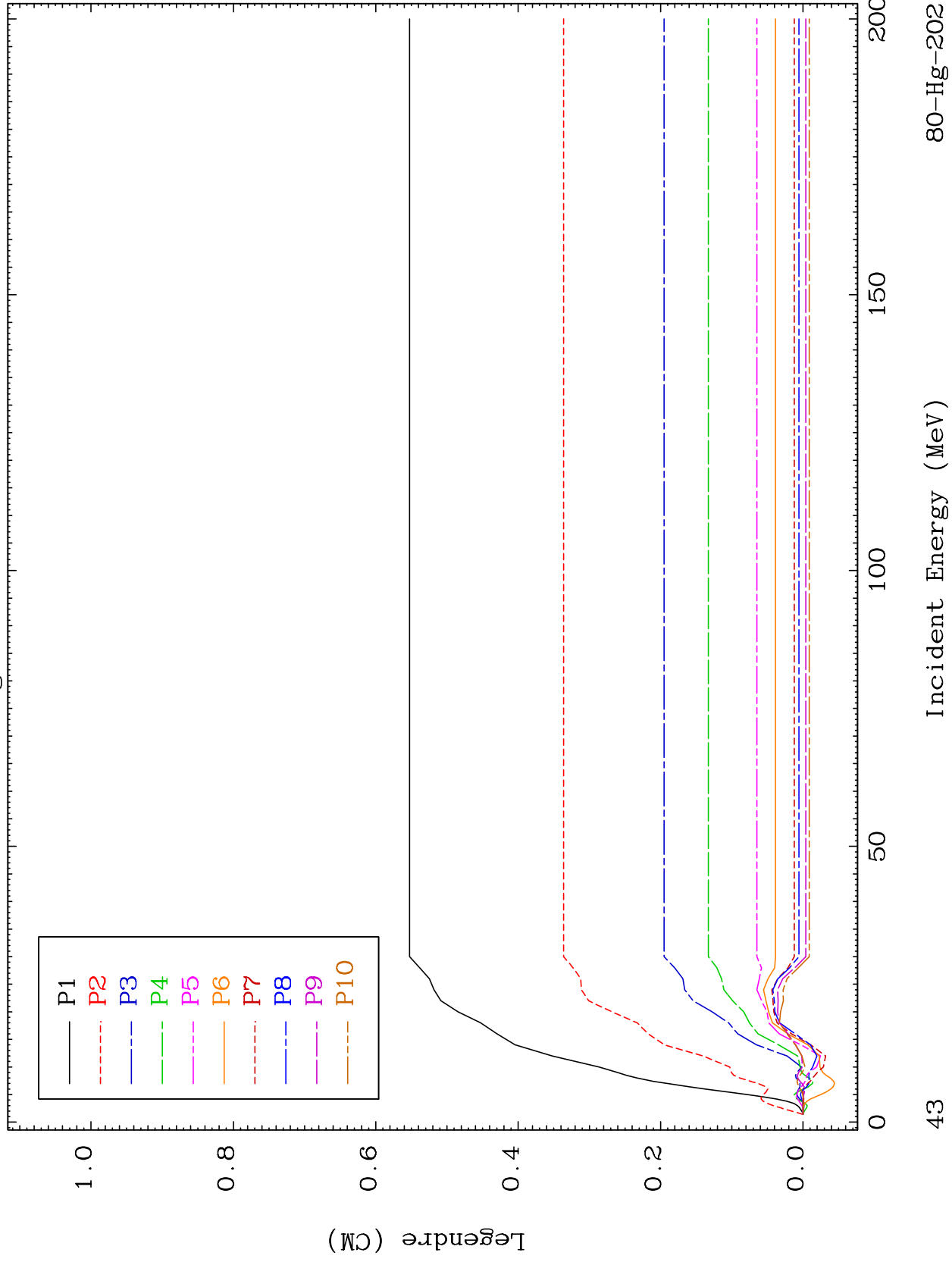




MAT 8043

1.390 MeV (n,n') Level
Legendre Coefficients

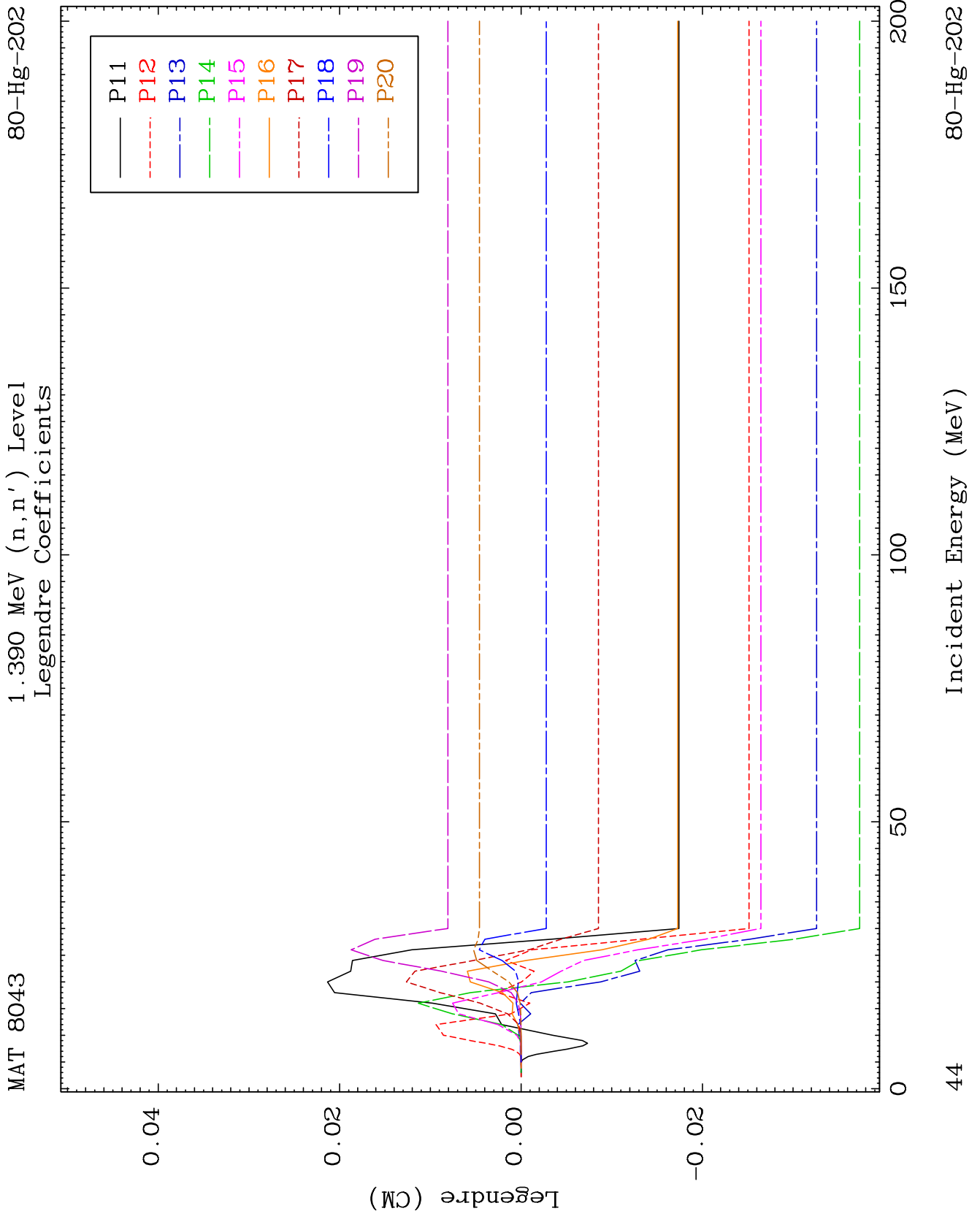
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43

Incident Energy (MeV)

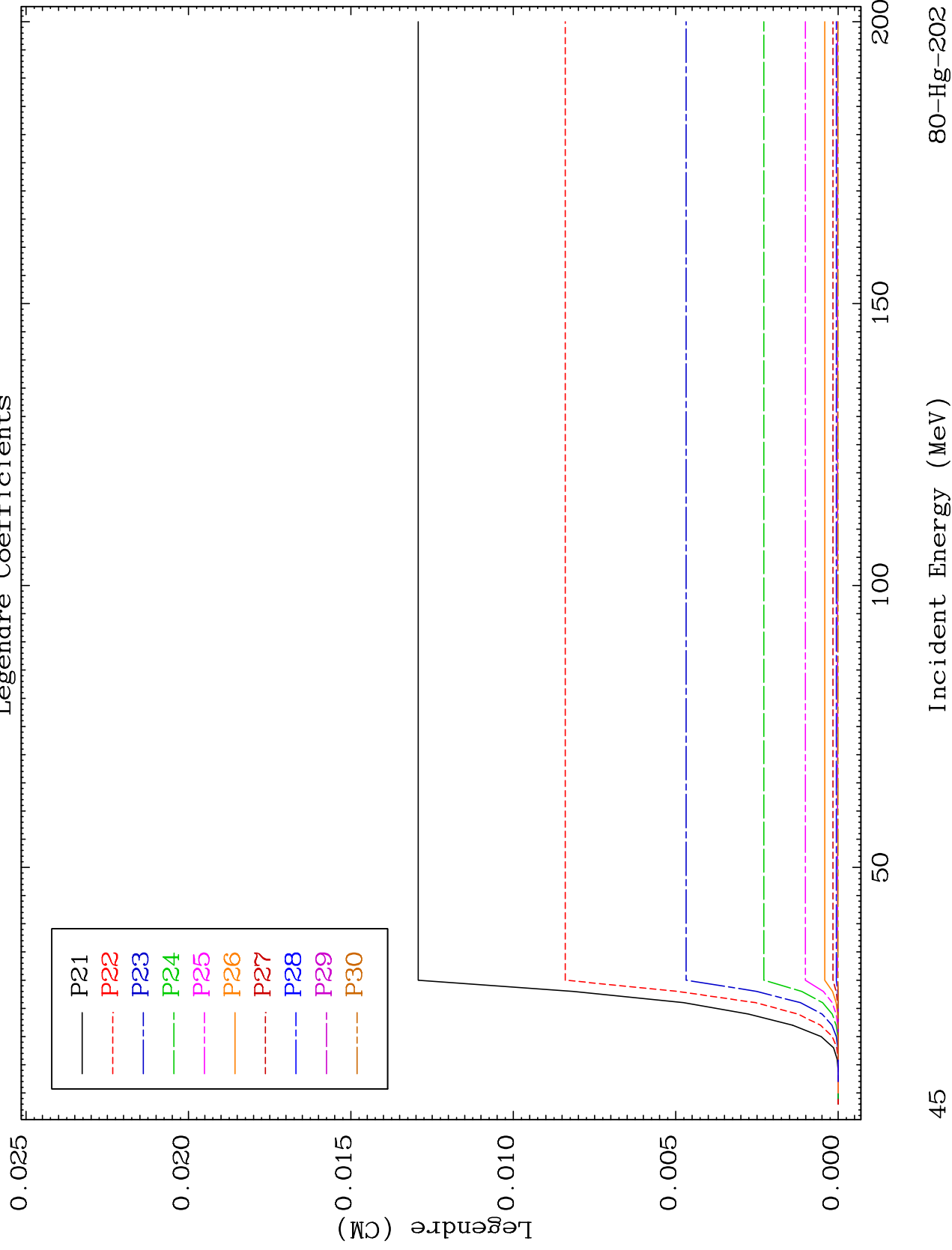
80-Hg-202



MAT 8043

1.390 MeV (n,n') Level
Legendre Coefficients

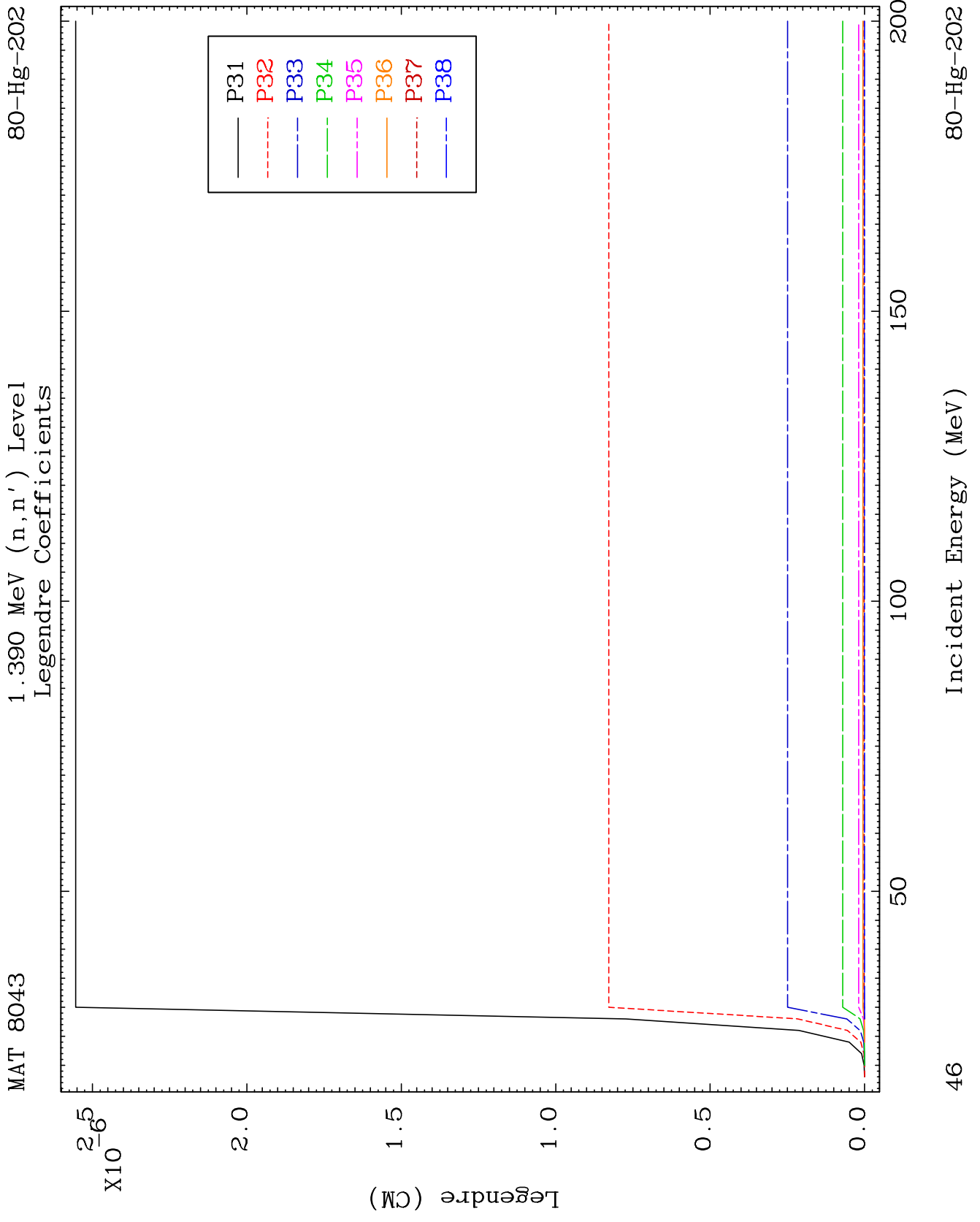
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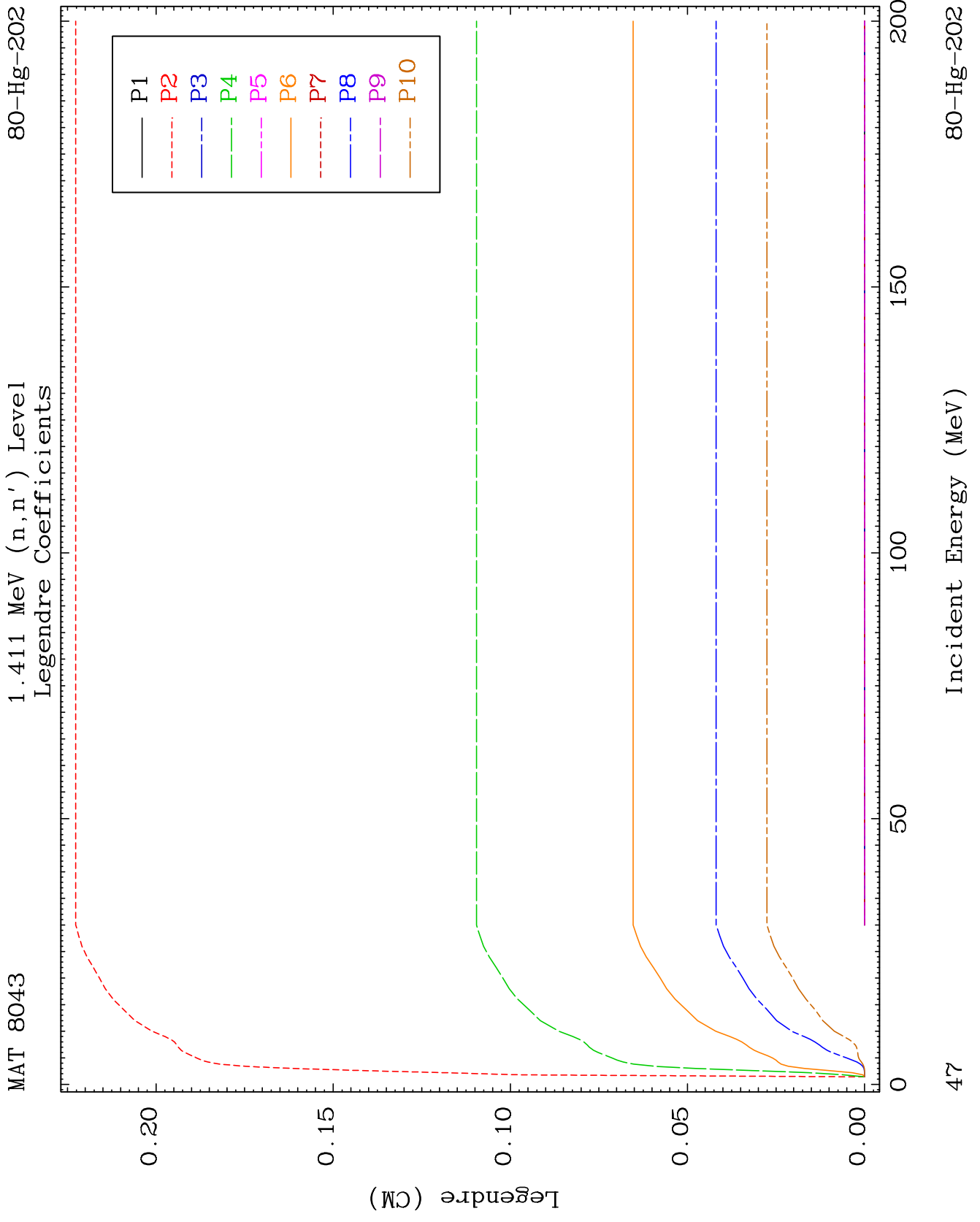


45

Incident Energy (MeV)

80-Hg-202

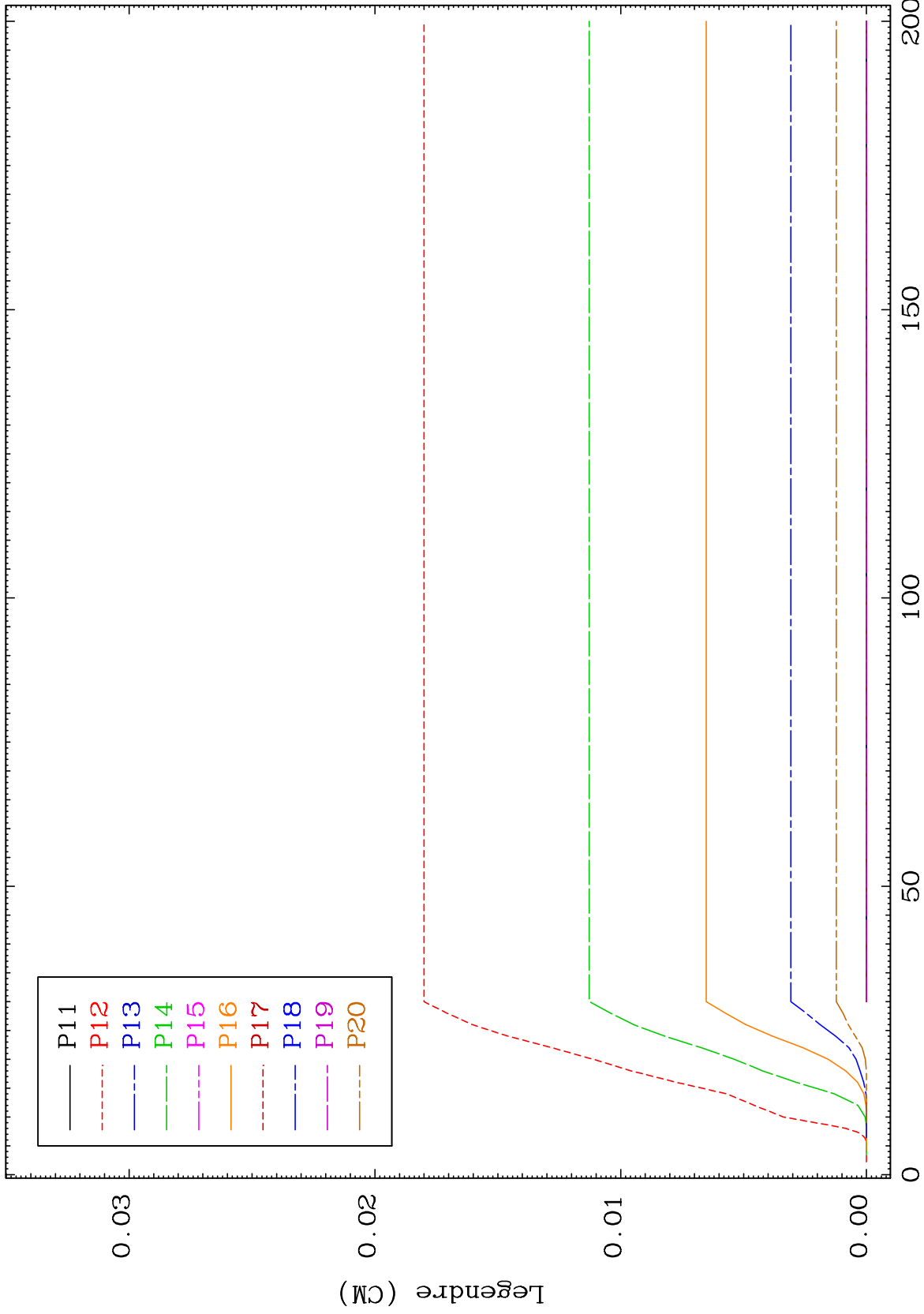




MAT 8043

1.411 MeV (n, n') Level
Legendre Coefficients

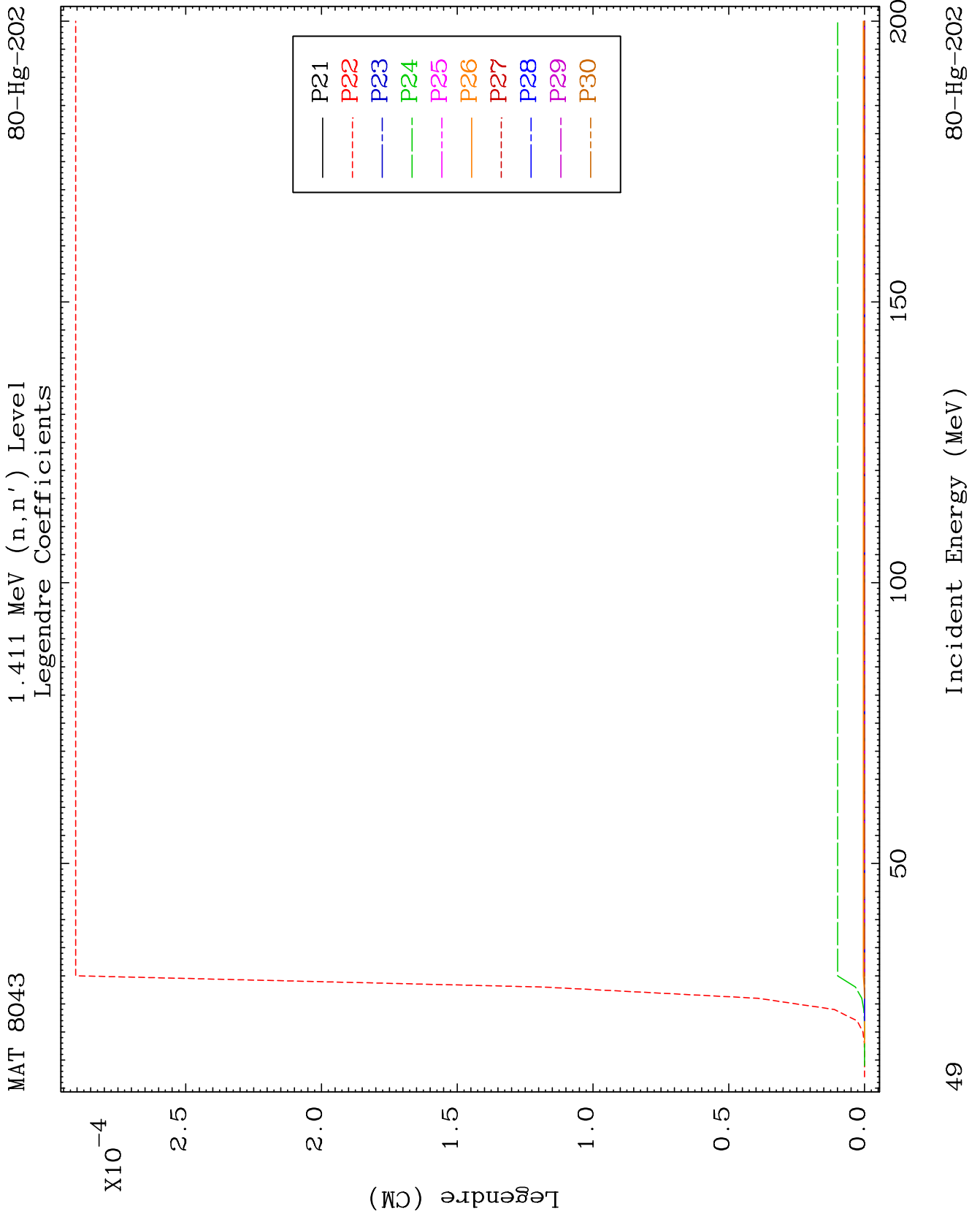
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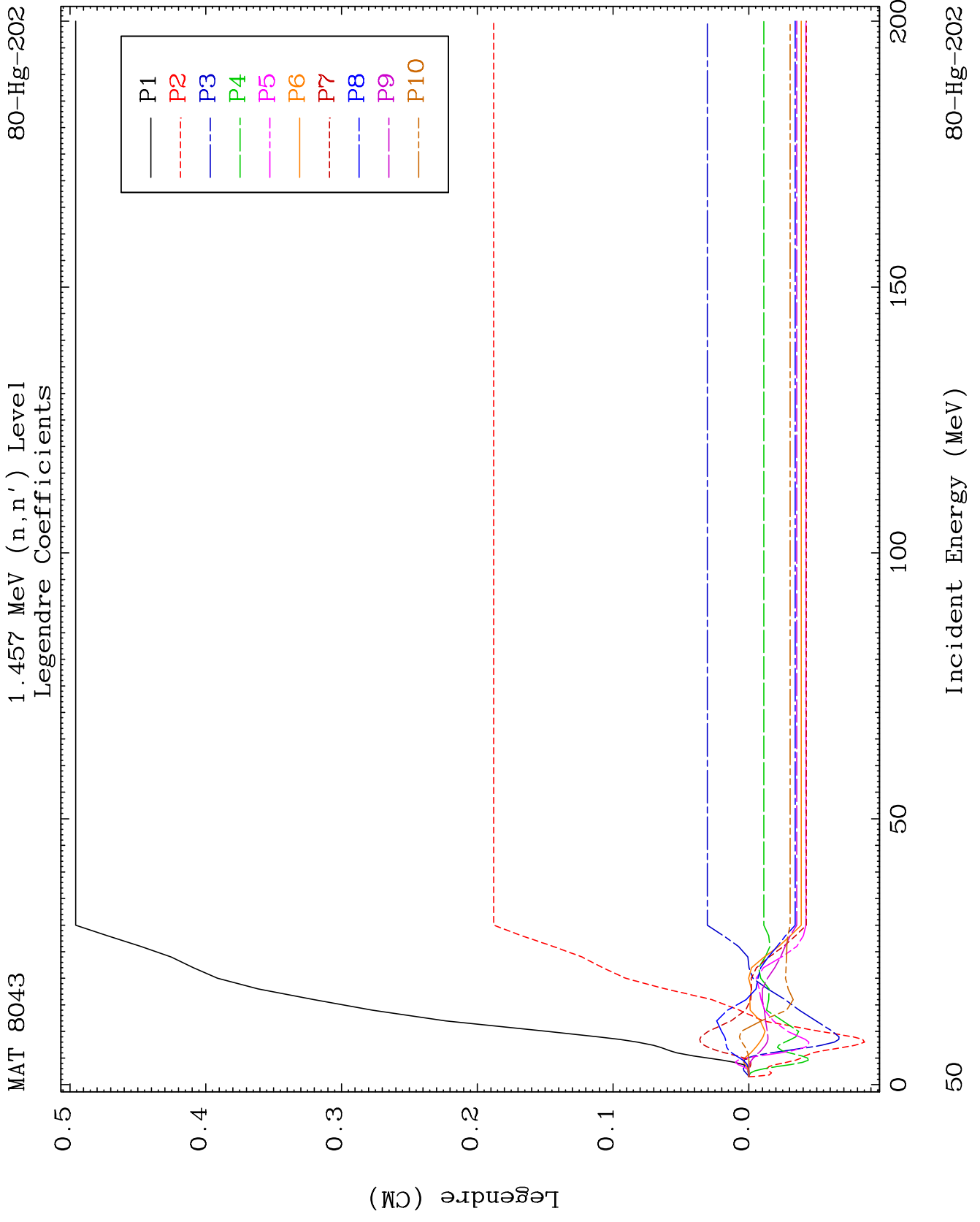


48

Incident Energy (MeV)

80-Hg-202

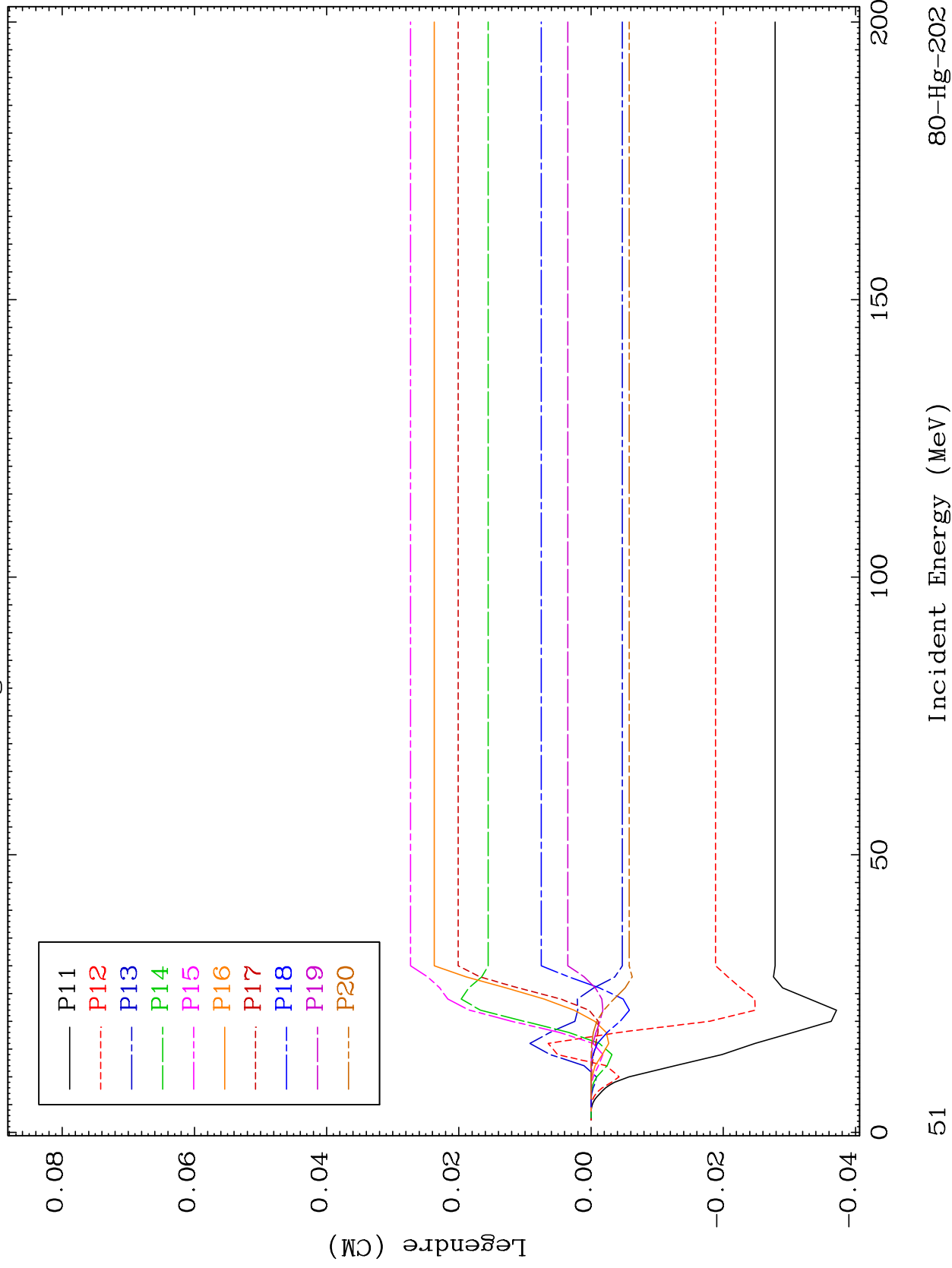




MAT 8043

1.457 MeV (n,n') Level
Legendre Coefficients

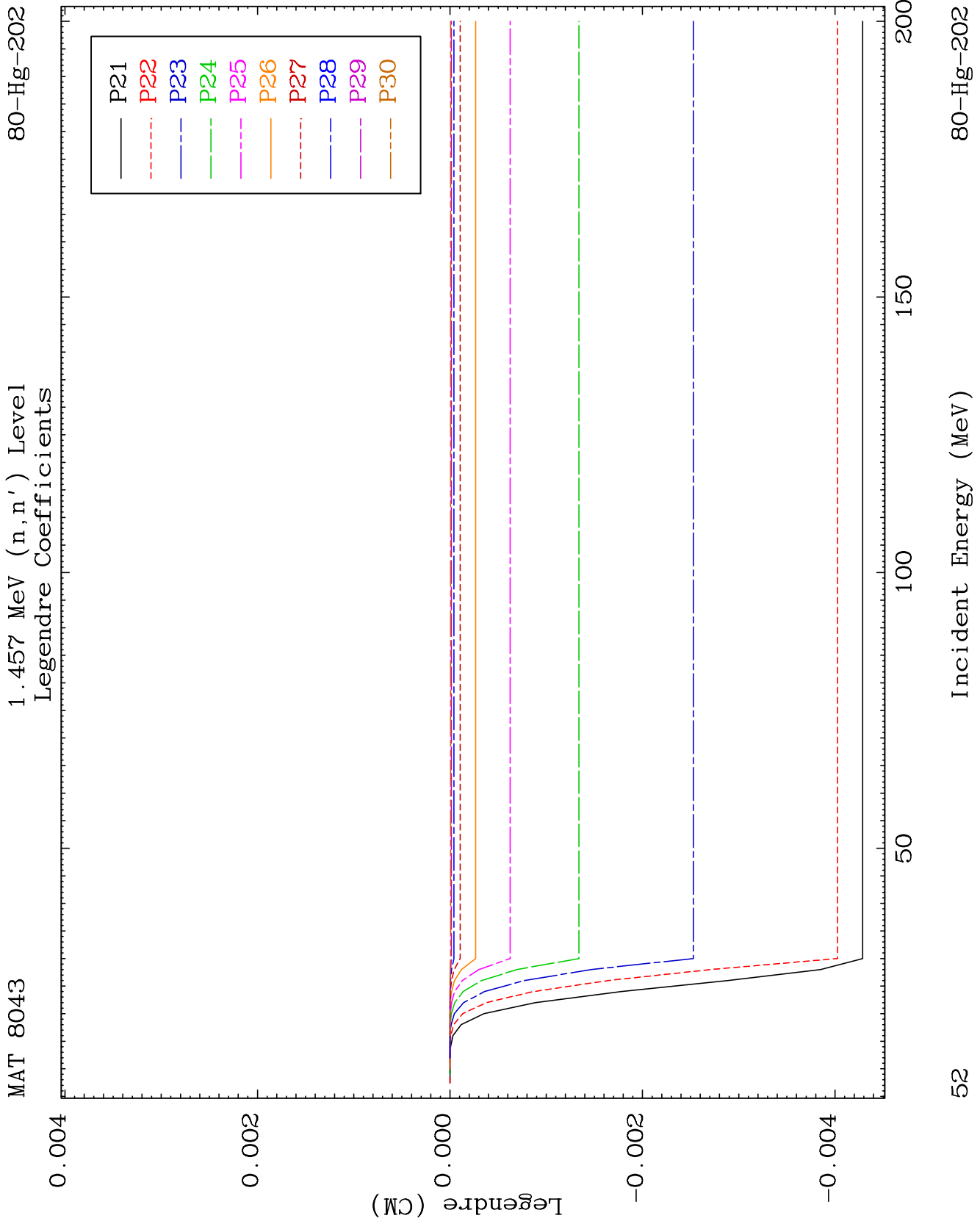
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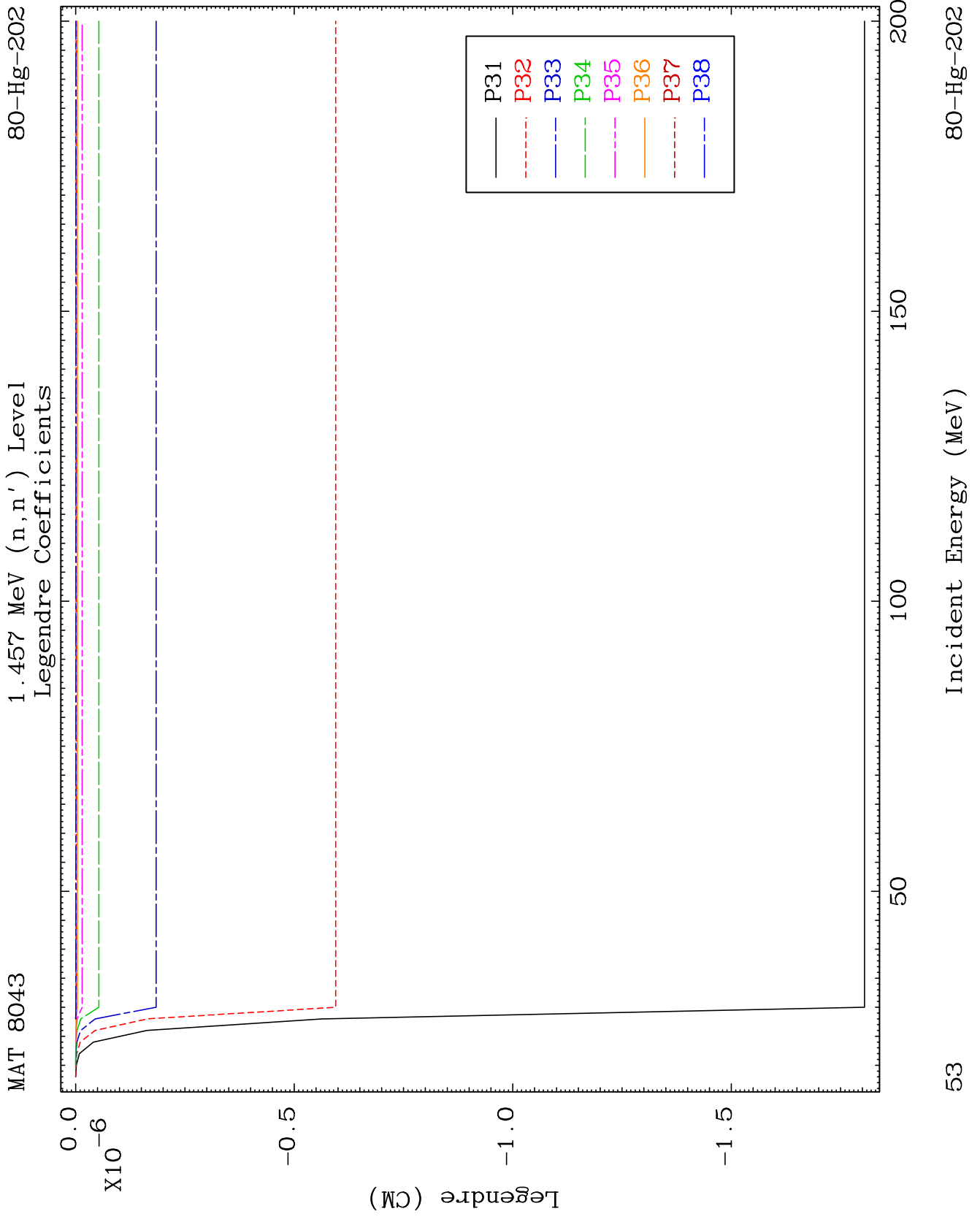


51

Incident Energy (MeV)

80-Hg-202

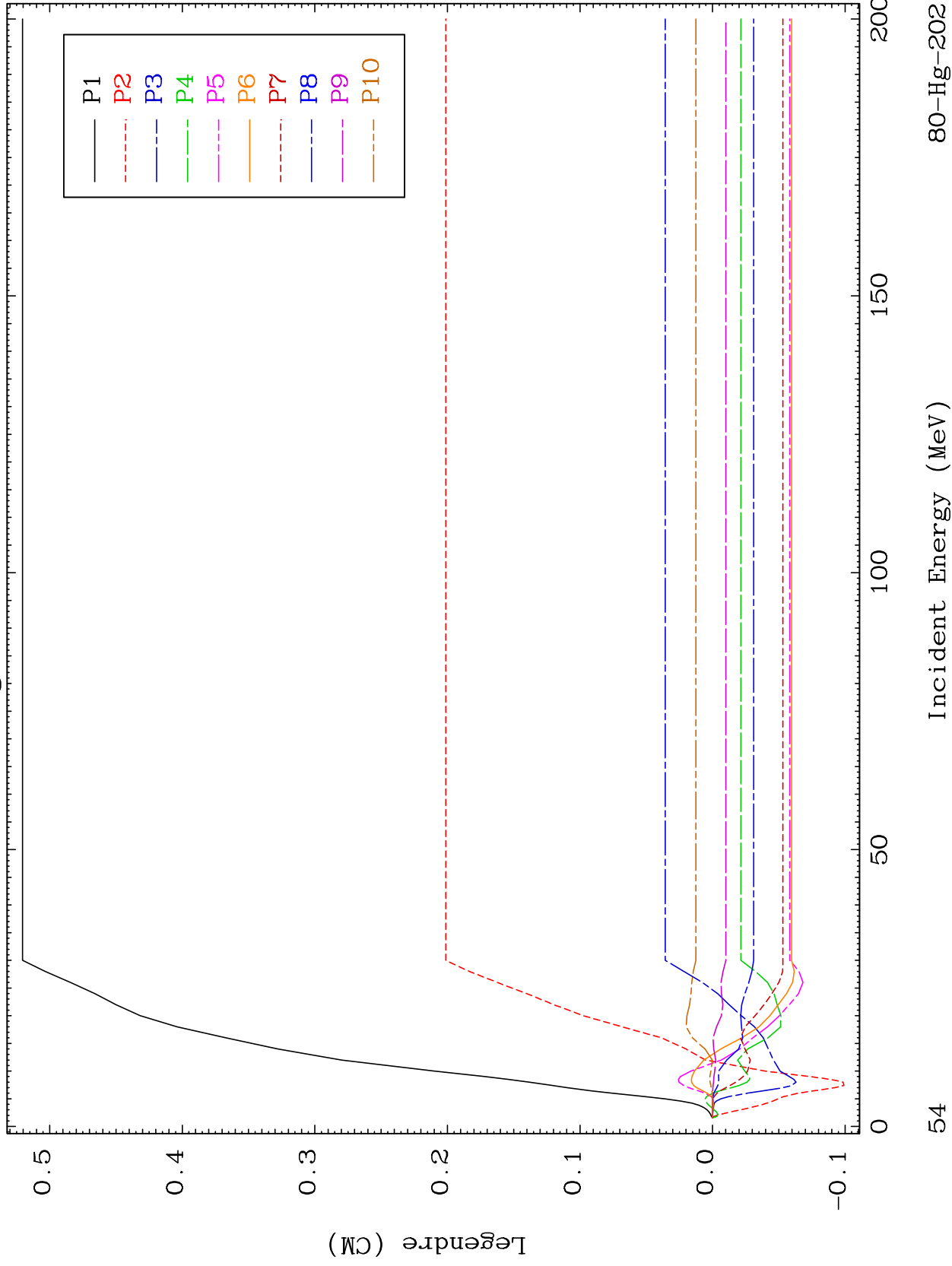




MAT 8043

1.524 MeV (n,n') Level
Legendre Coefficients

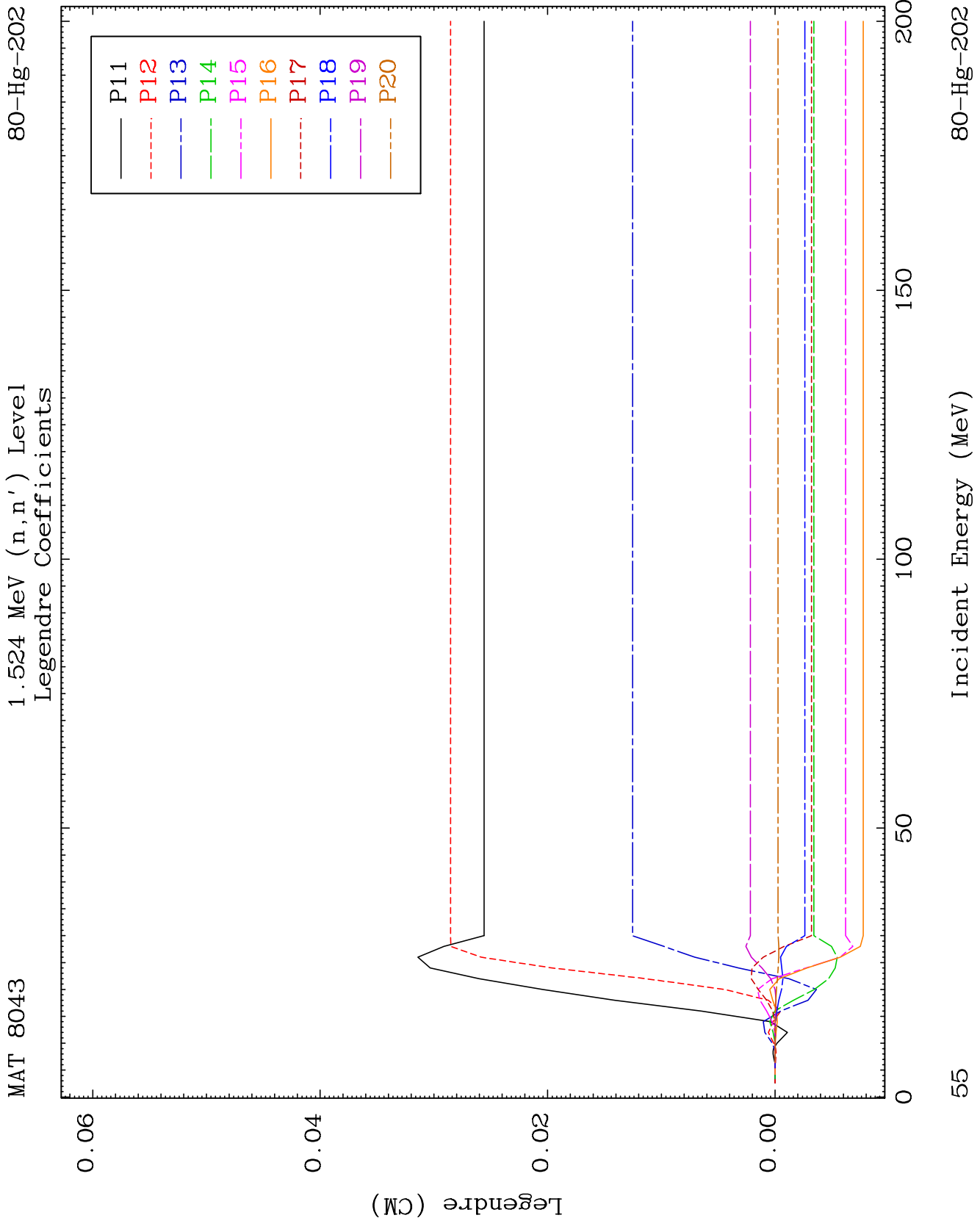
80-Hg-202



80-Hg-202

Incident Energy (MeV)

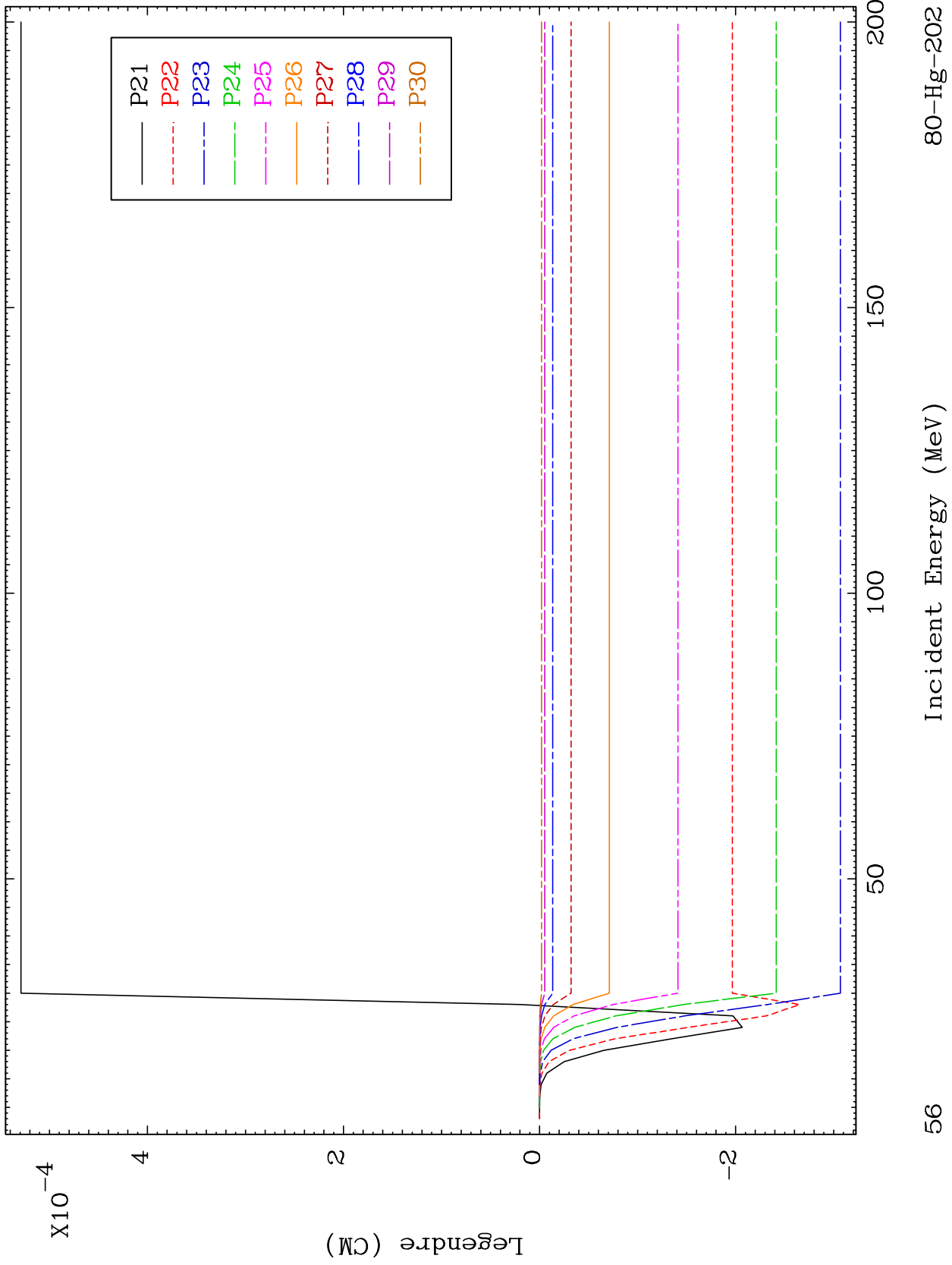
54



MAT 8043

1.524 MeV (n,n') Level
Legendre Coefficients

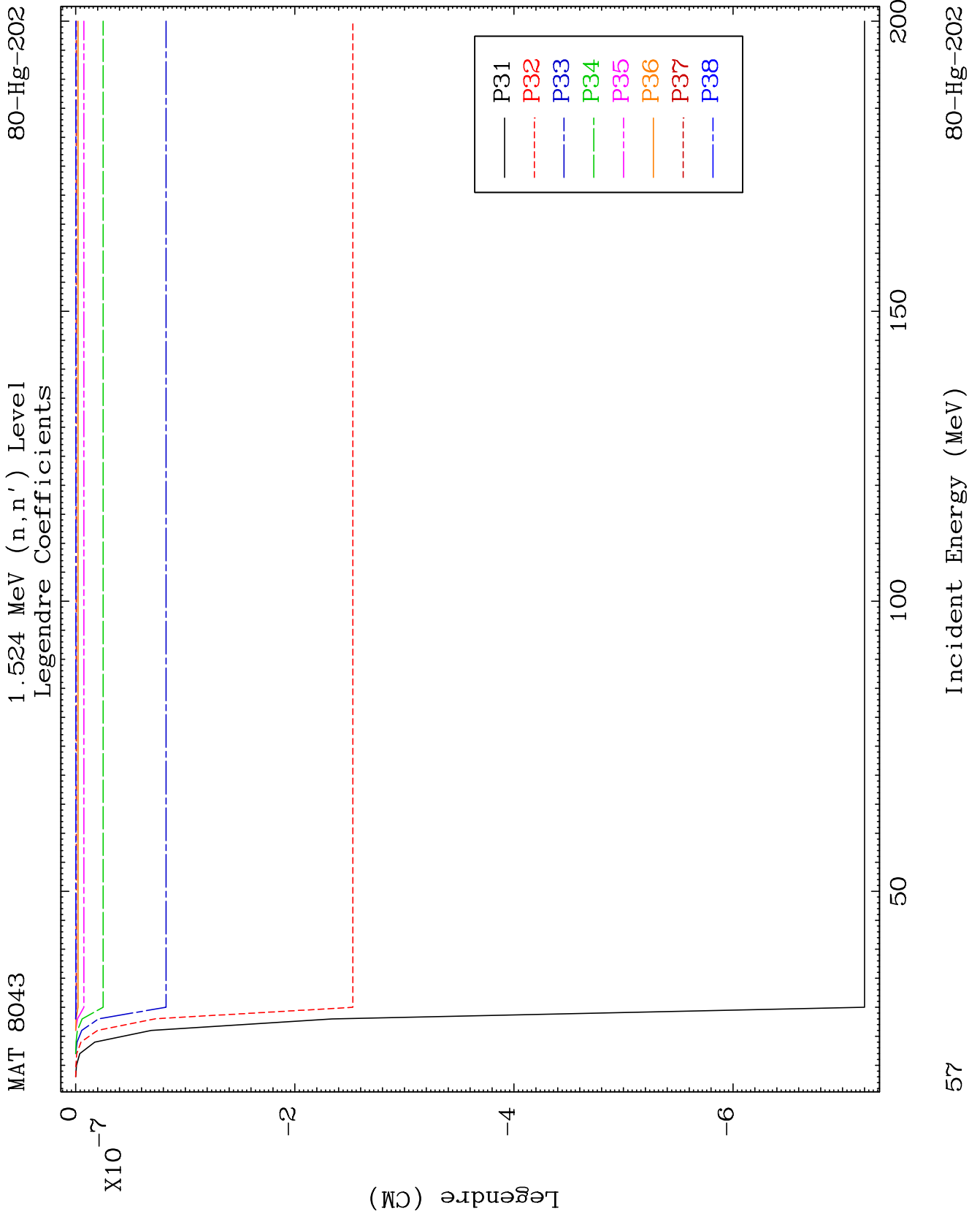
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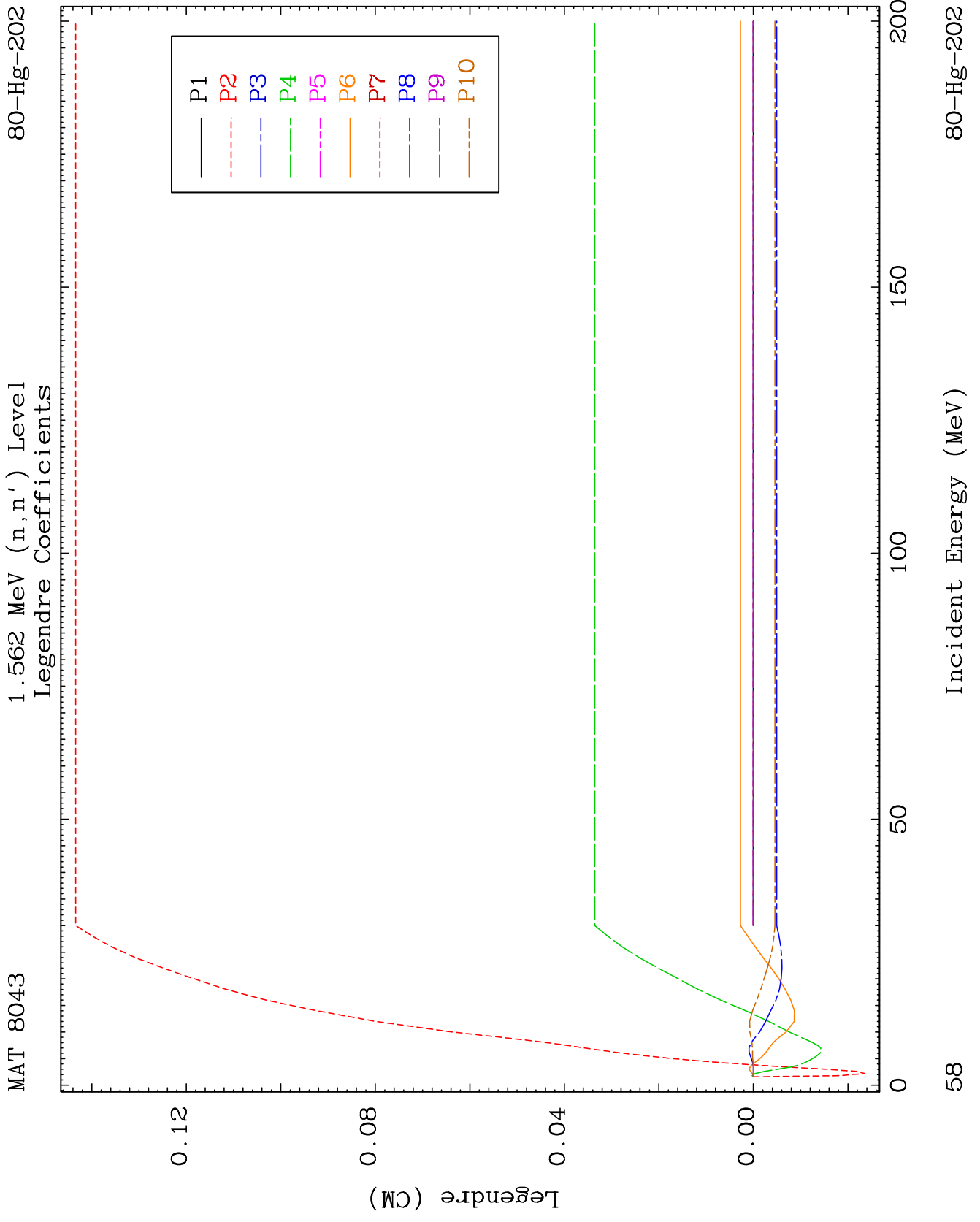


56

Incident Energy (MeV)

80-Hg-202

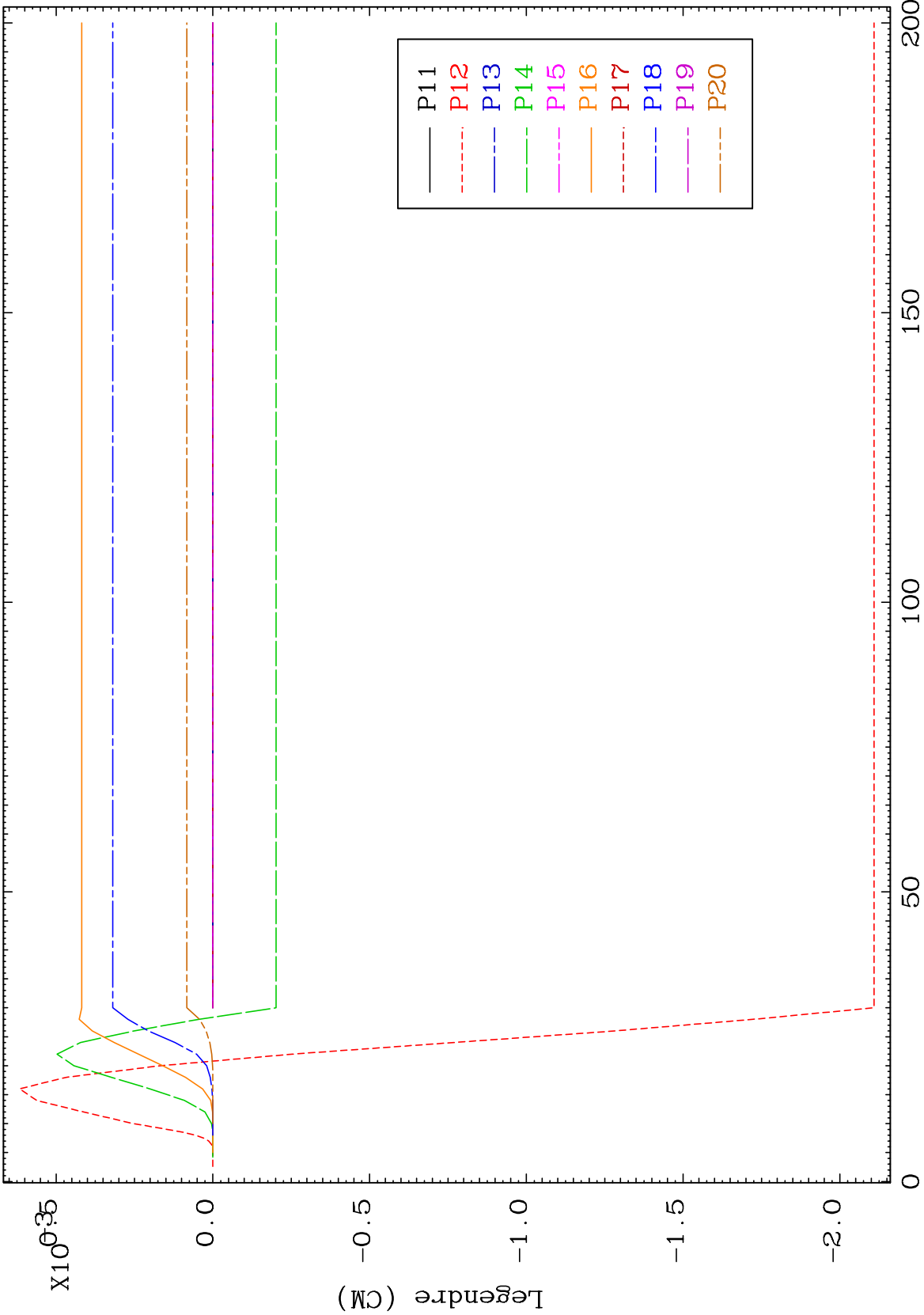




MAT 8043

1.562 MeV (n,n') Level
Legendre Coefficients

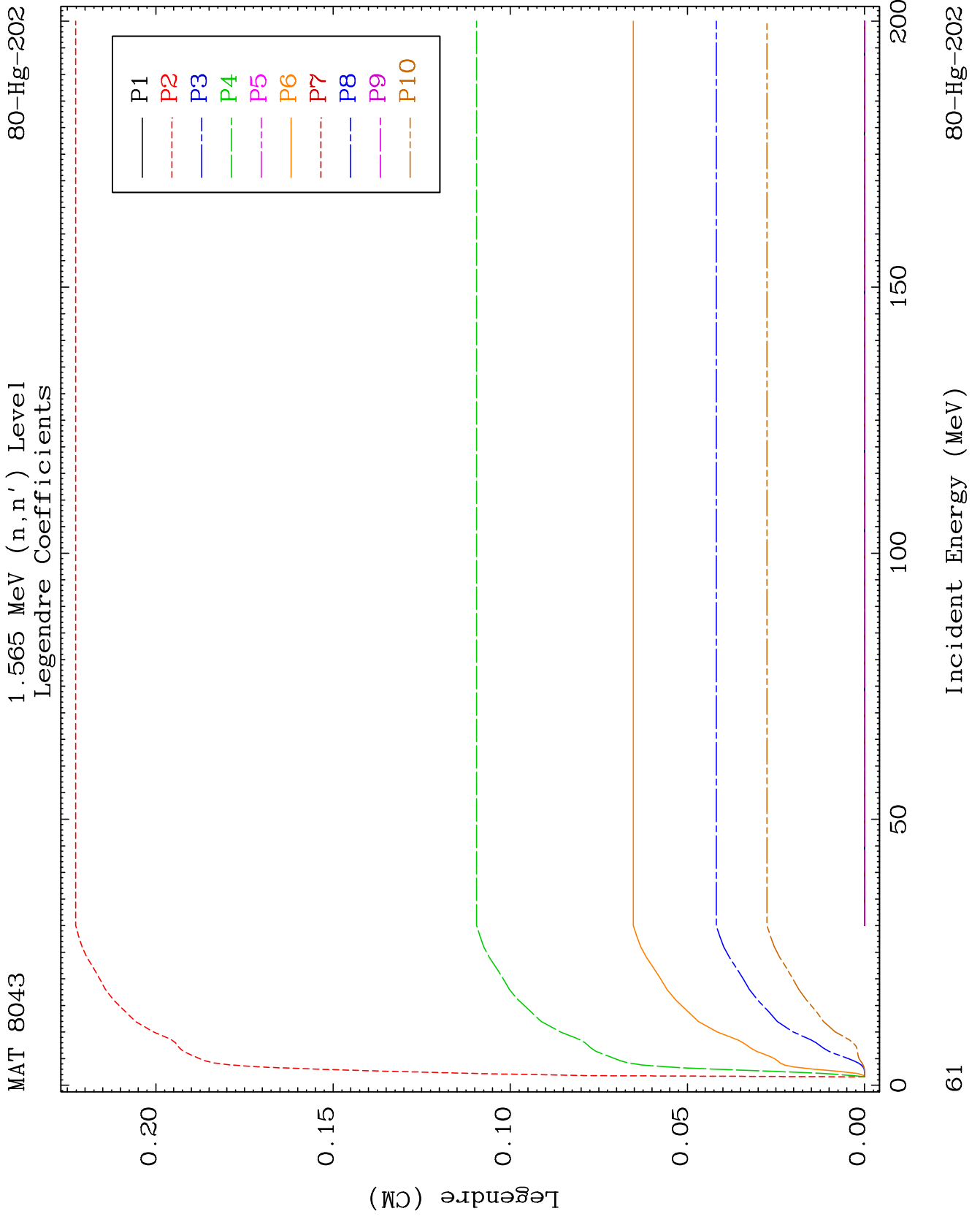
80-Hg-202



59

Incident Energy (MeV)

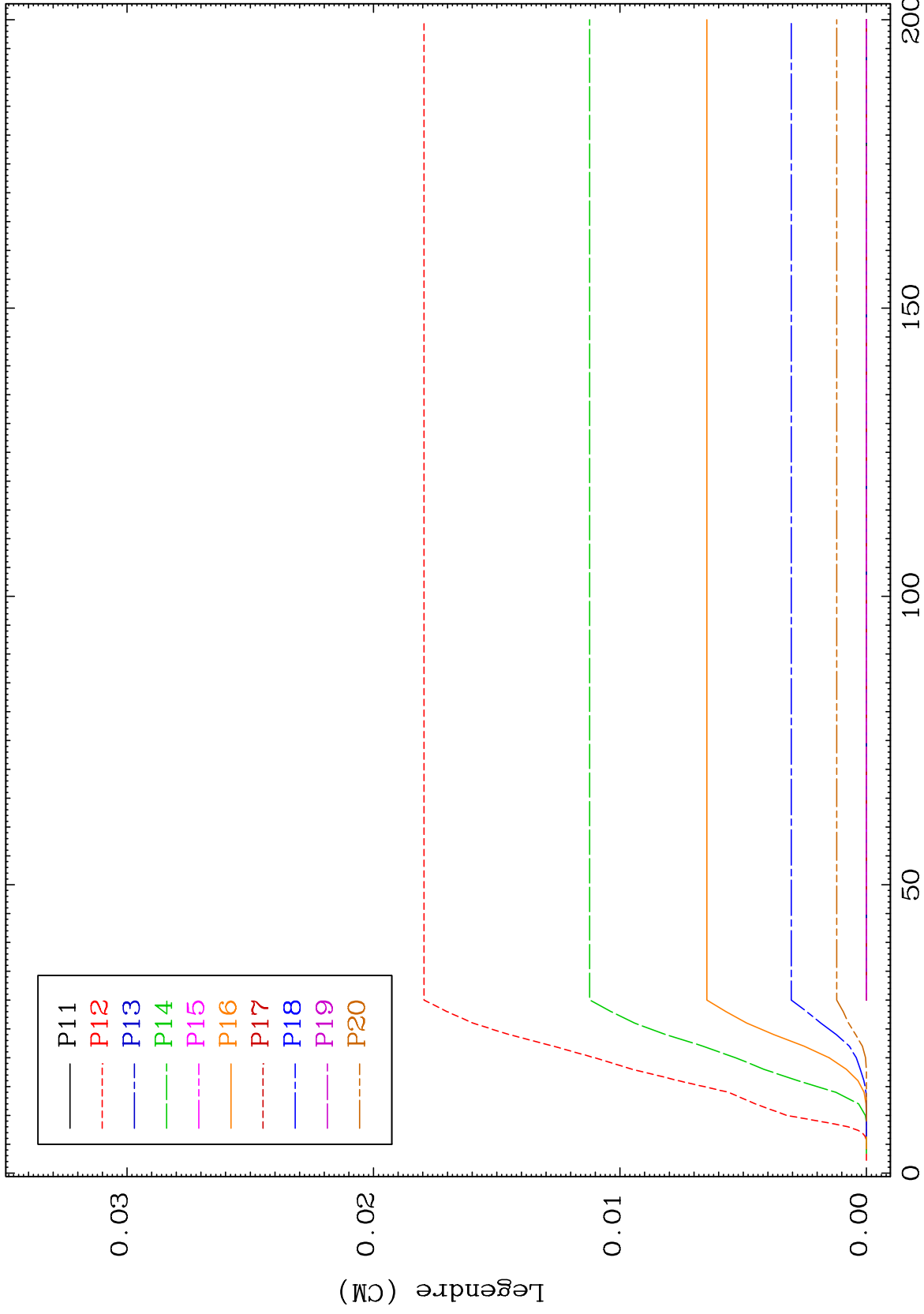
80-Hg-202



MAT 8043

1.565 MeV (n,n') Level
Legendre Coefficients

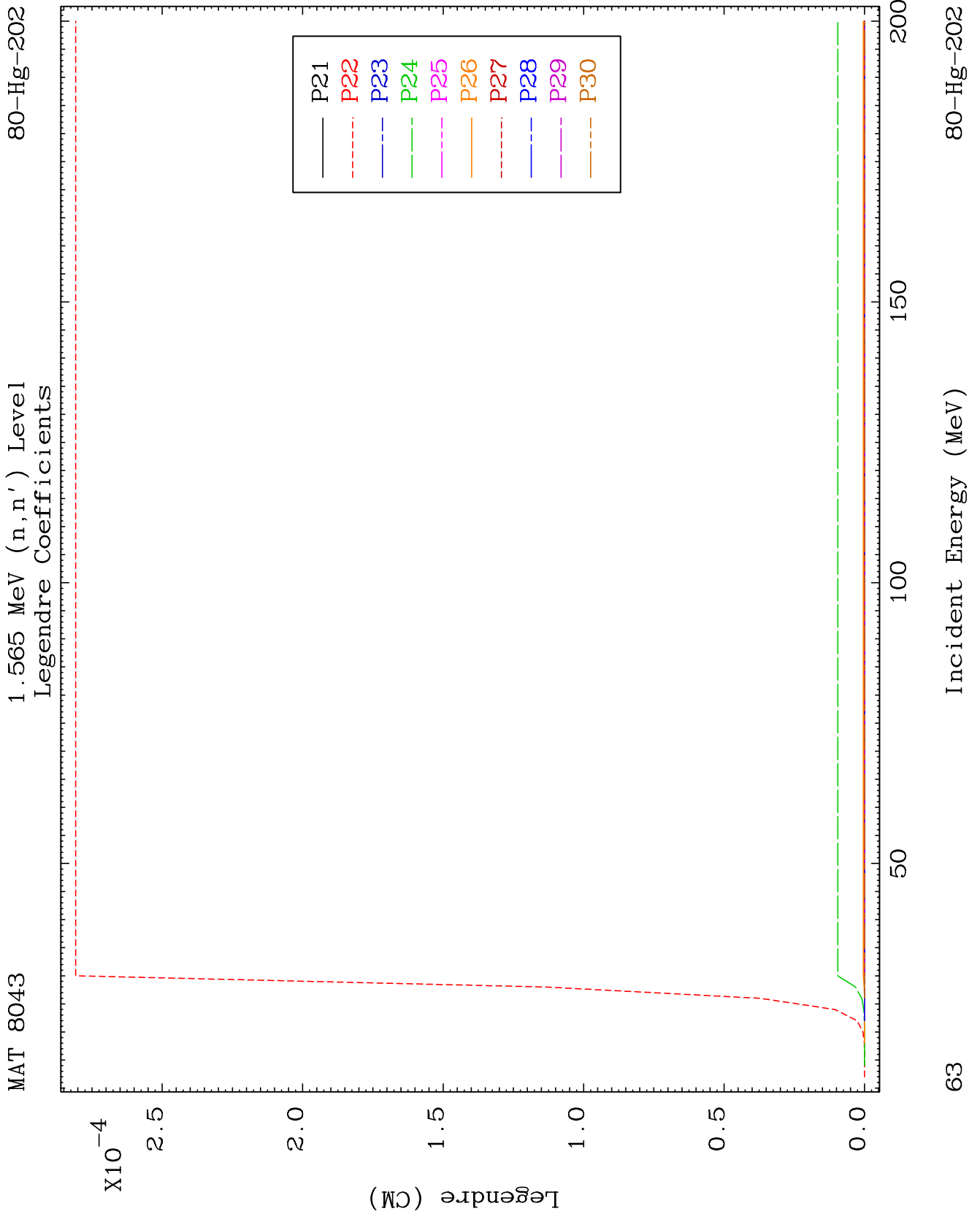
80-Hg-202



62

Incident Energy (MeV)

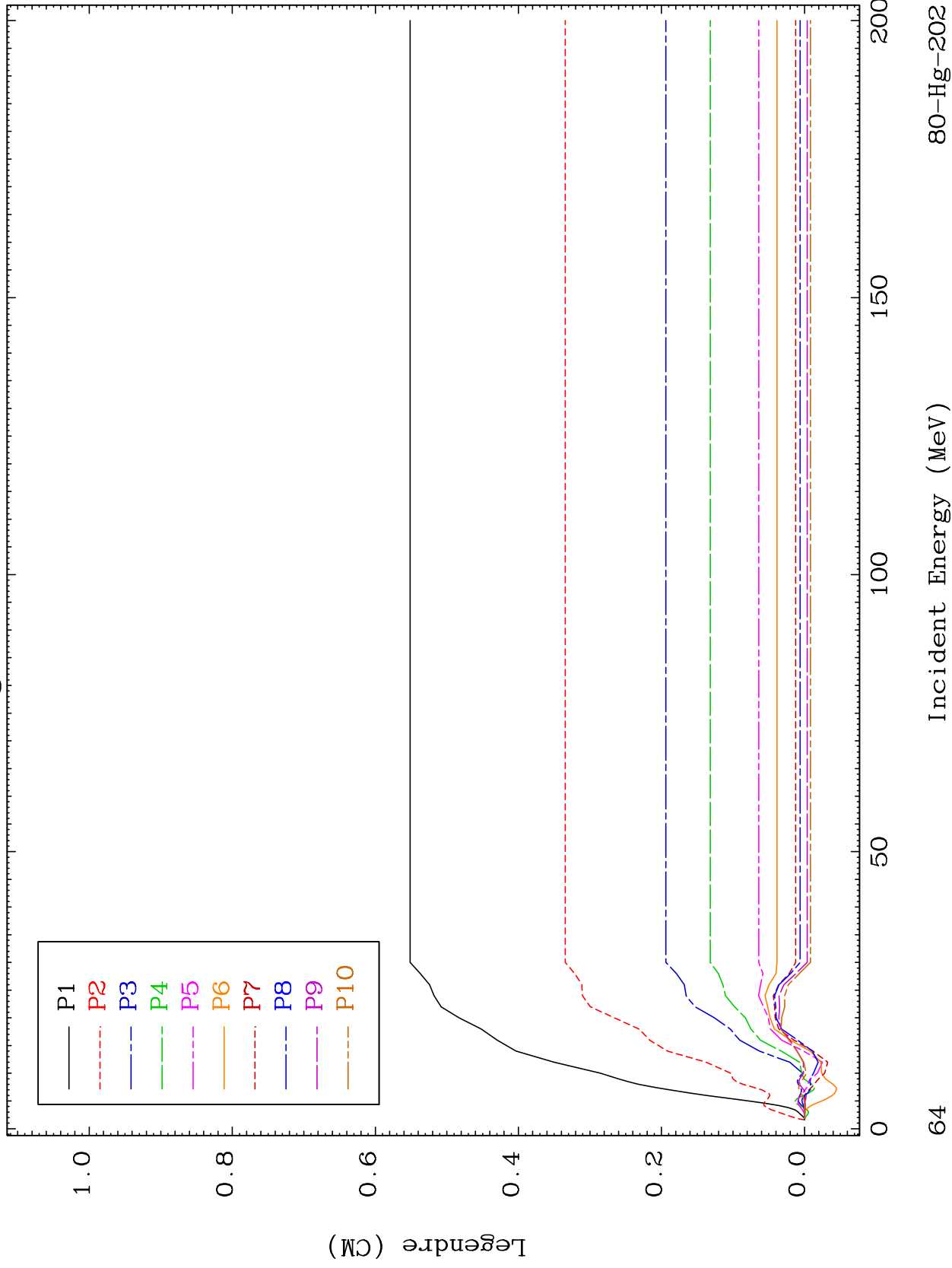
80-Hg-202



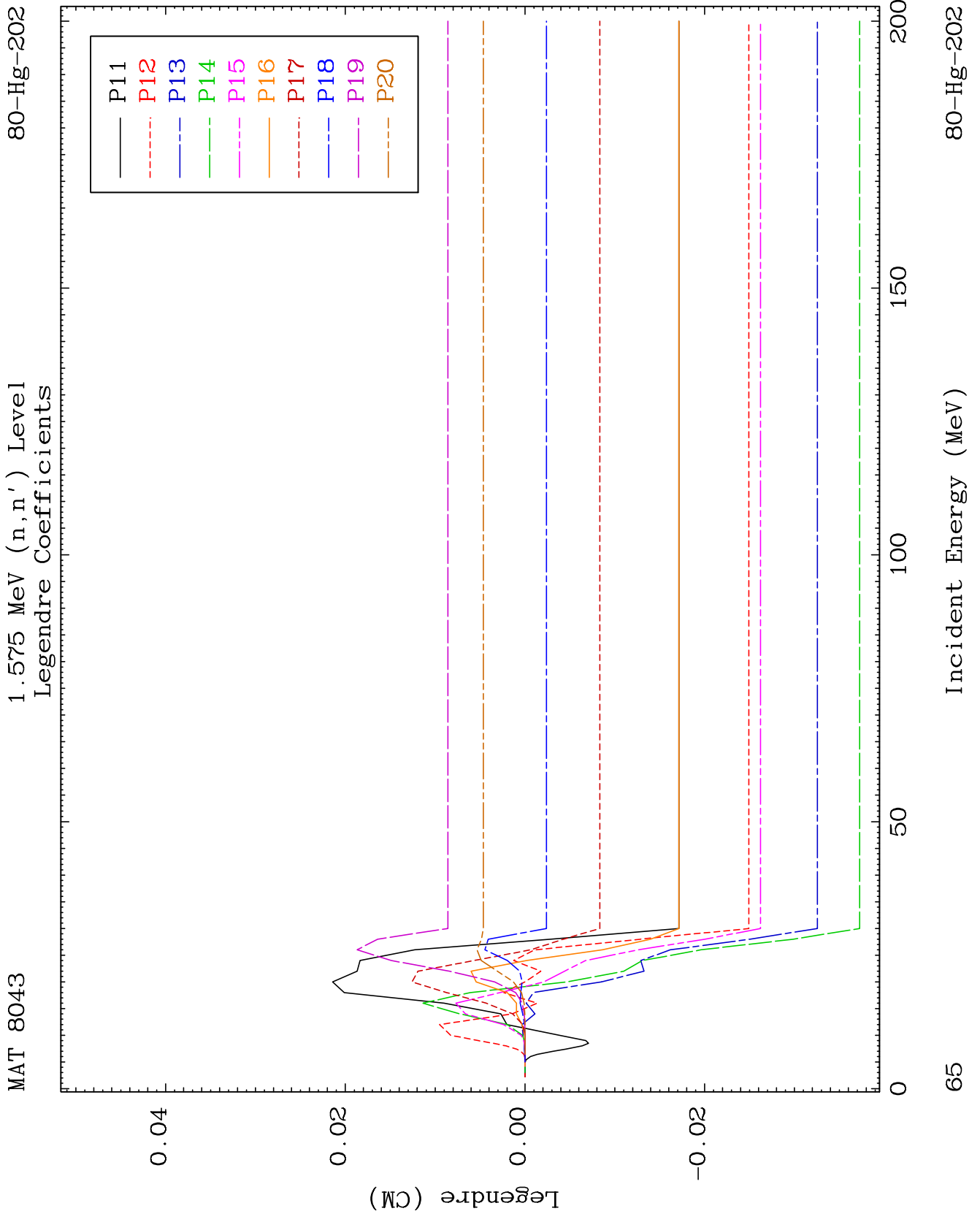
MAT 8043

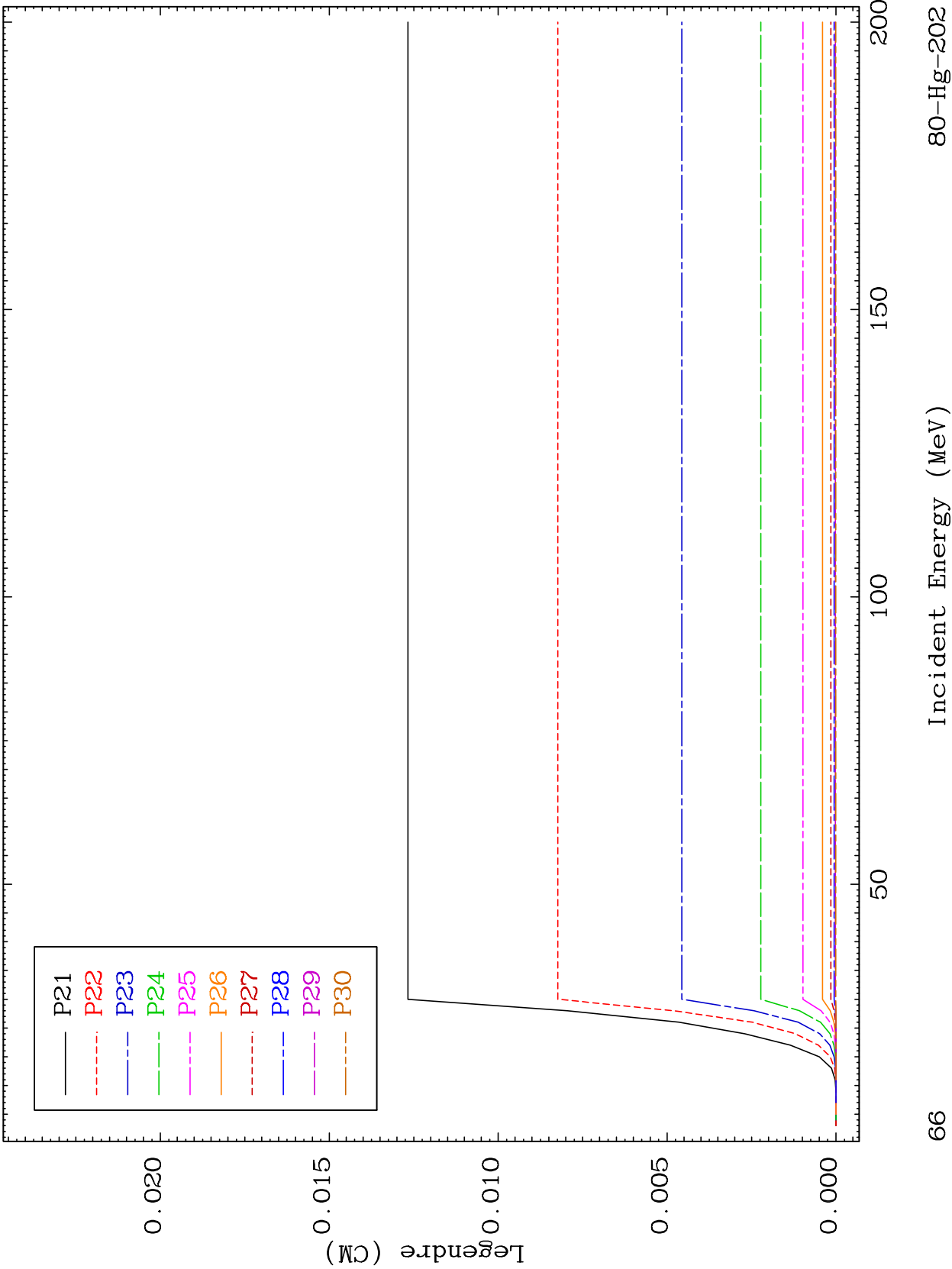
1.575 MeV (n, n') Level
Legendre Coefficients

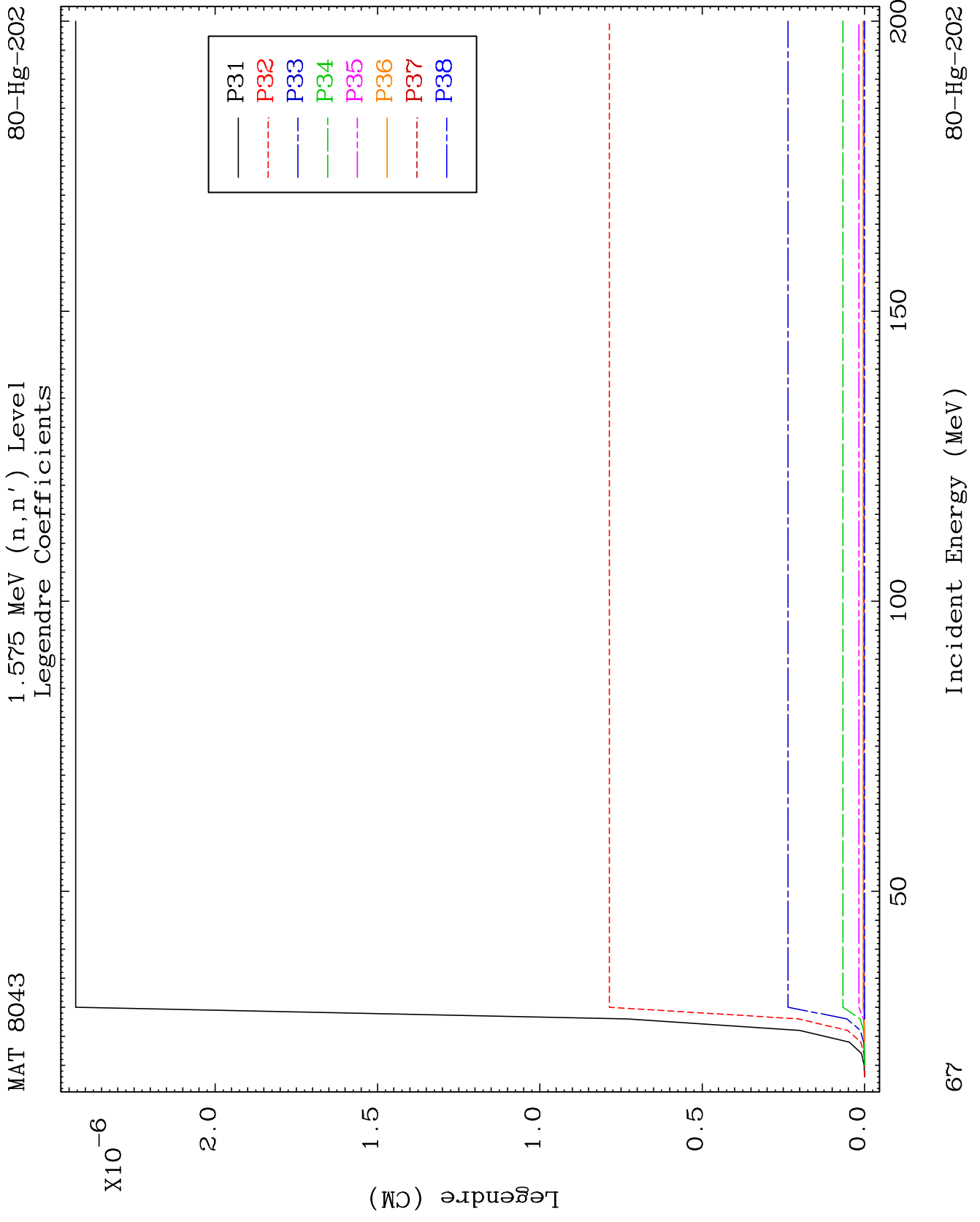
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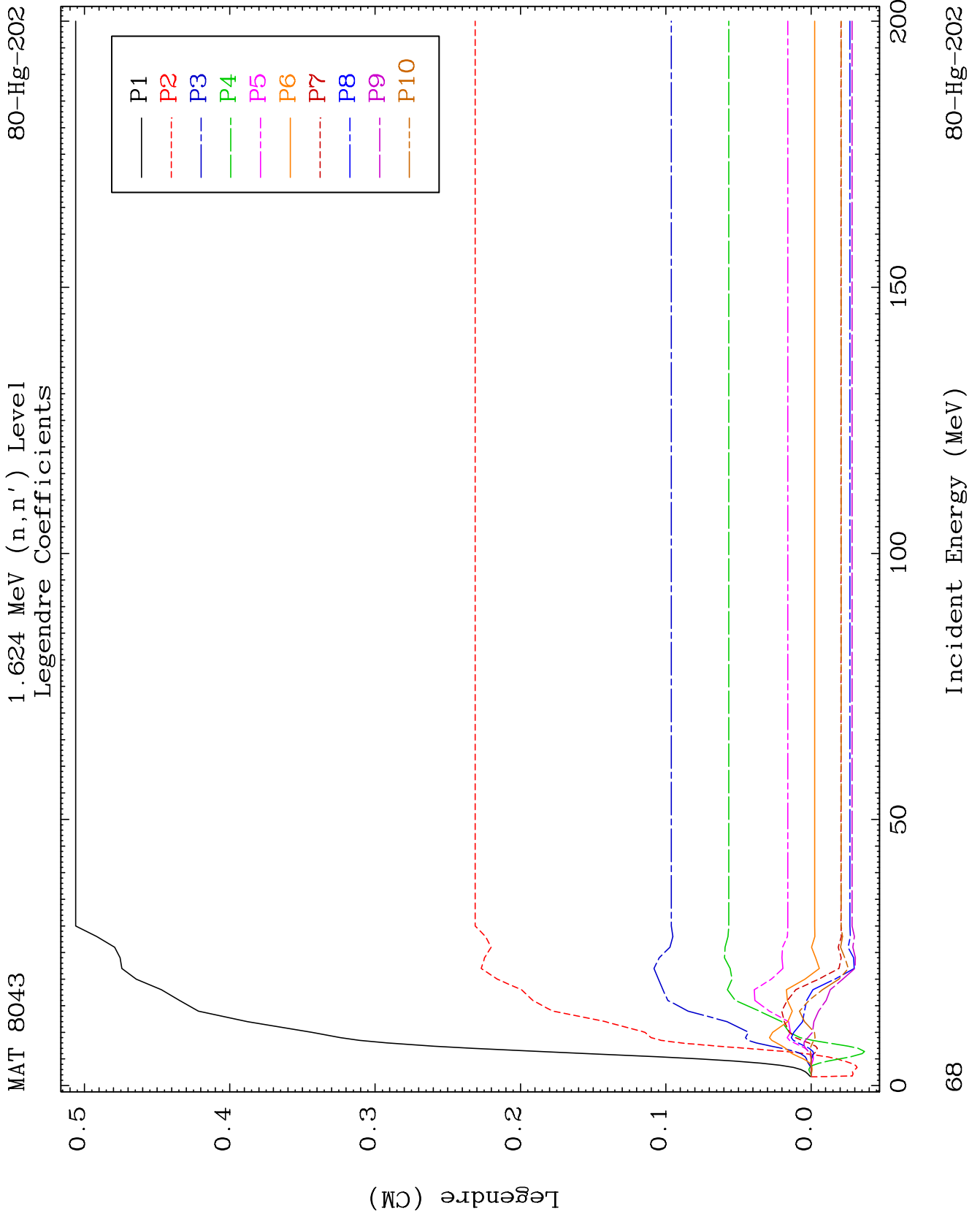


64





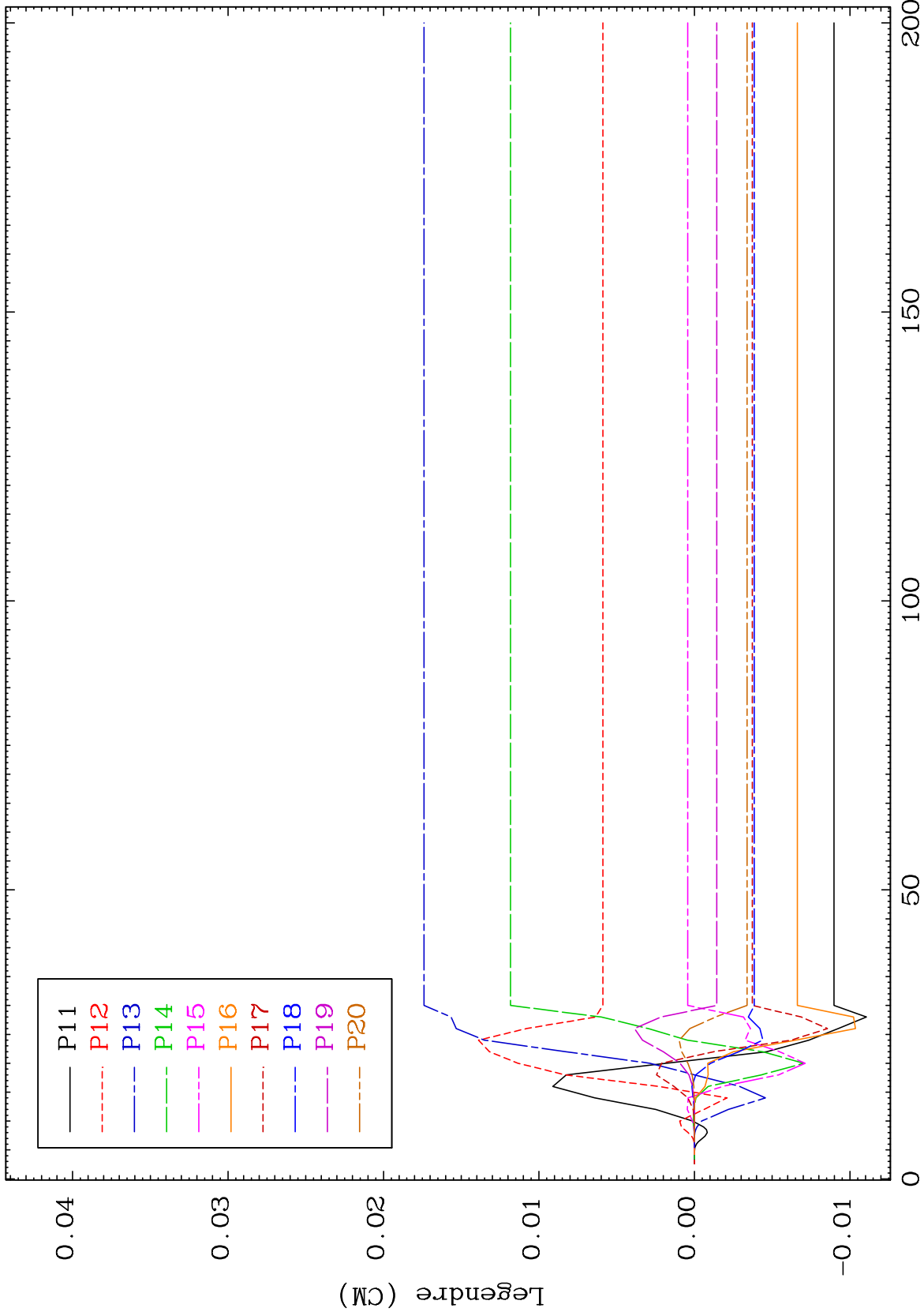




MAT 8043

1.624 MeV (n,n') Level
Legendre Coefficients

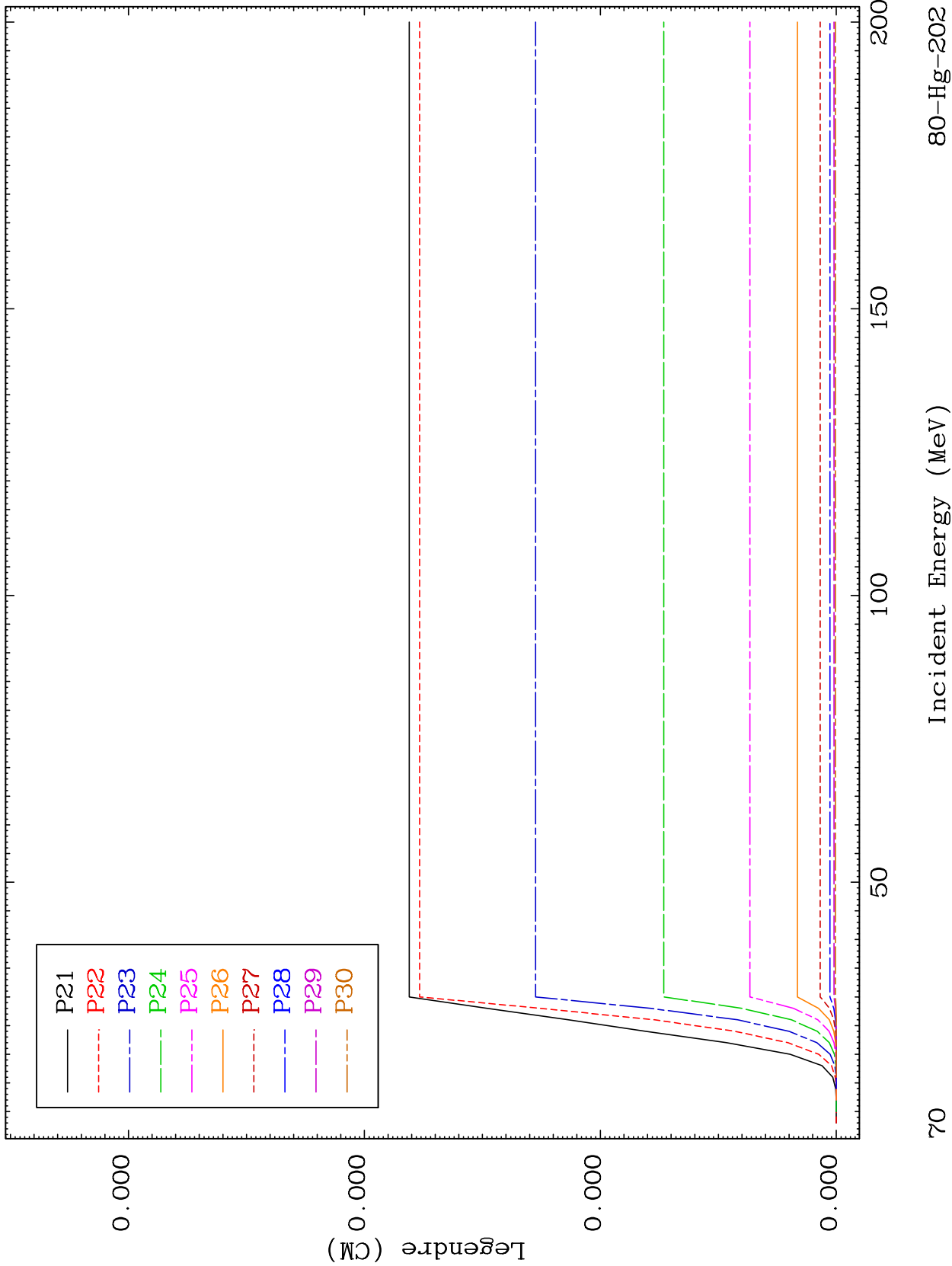
80-Hg-202



MAT 8043

1.624 MeV (n,n') Level
Legendre Coefficients

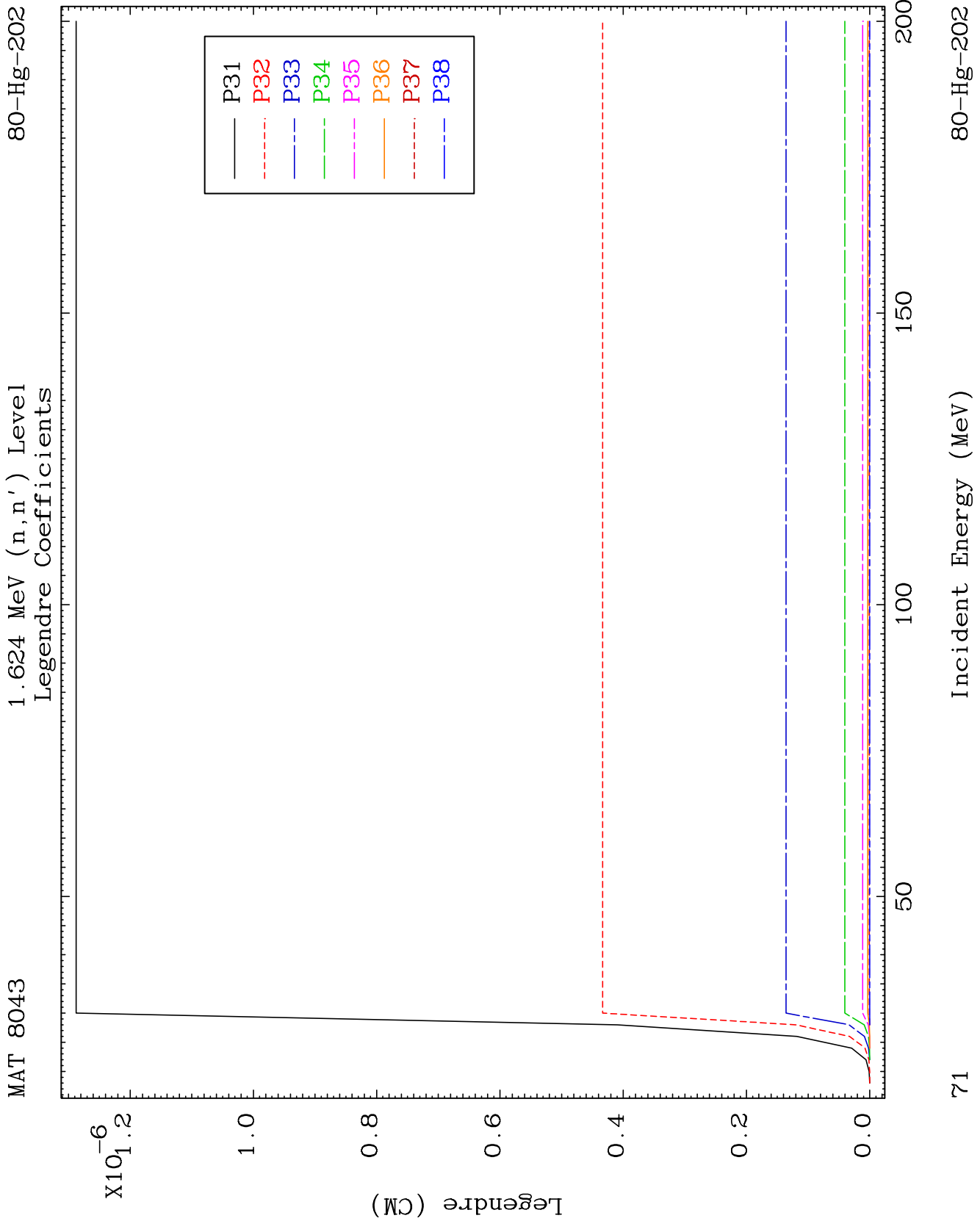
80-Hg-202

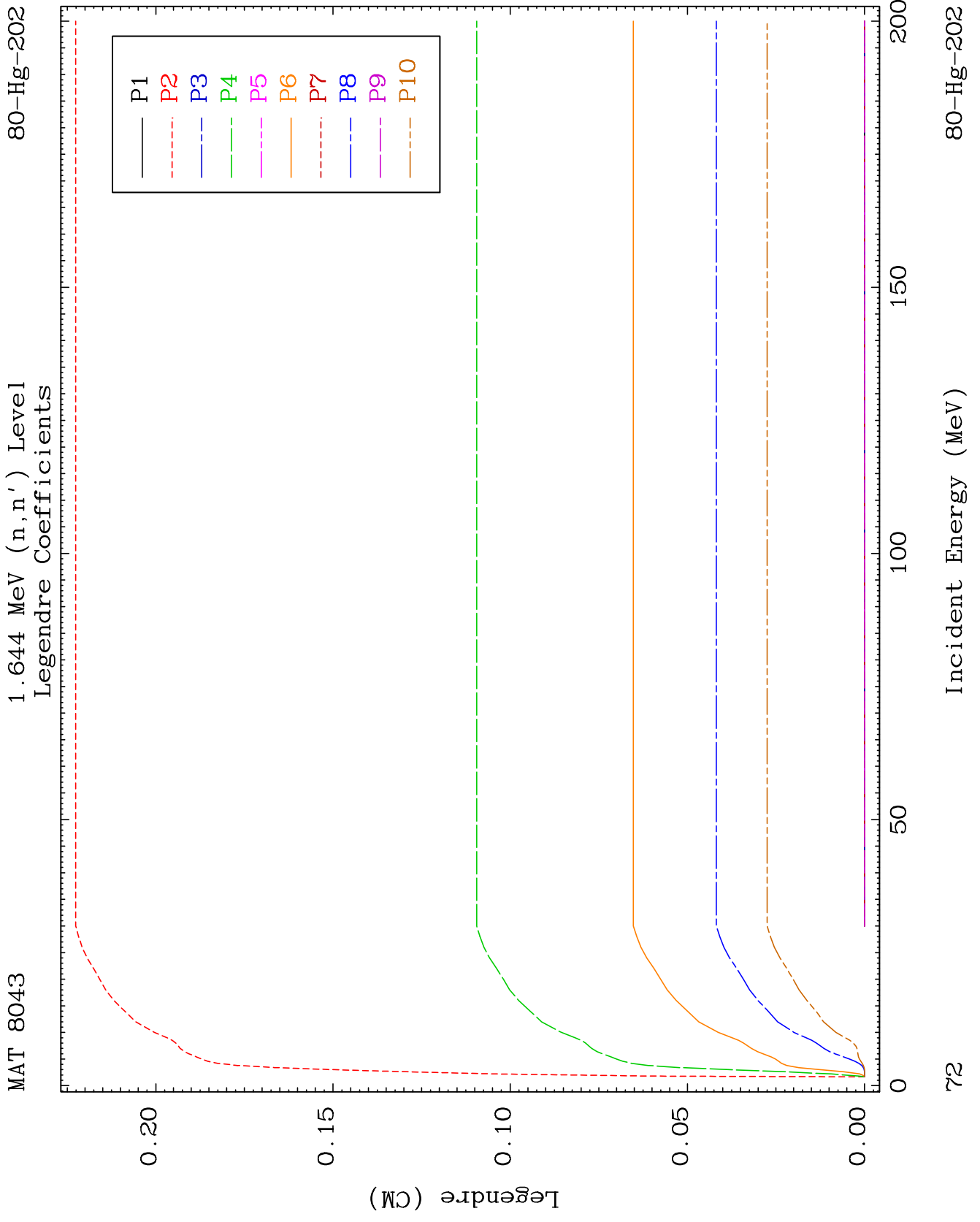


70

Incident Energy (MeV)

80-Hg-202

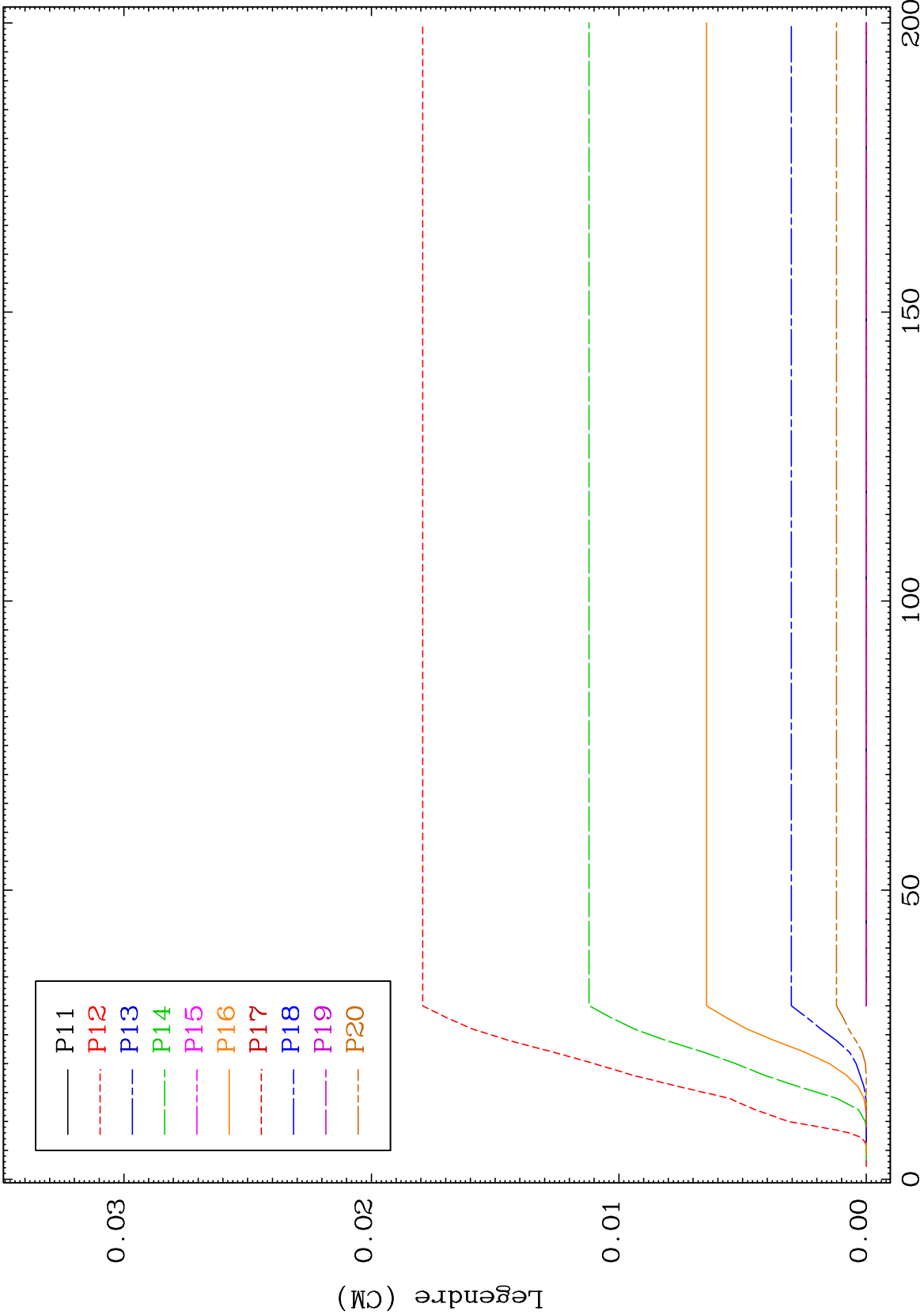




MAT 8043

1.644 MeV (n,n') Level
Legendre Coefficients

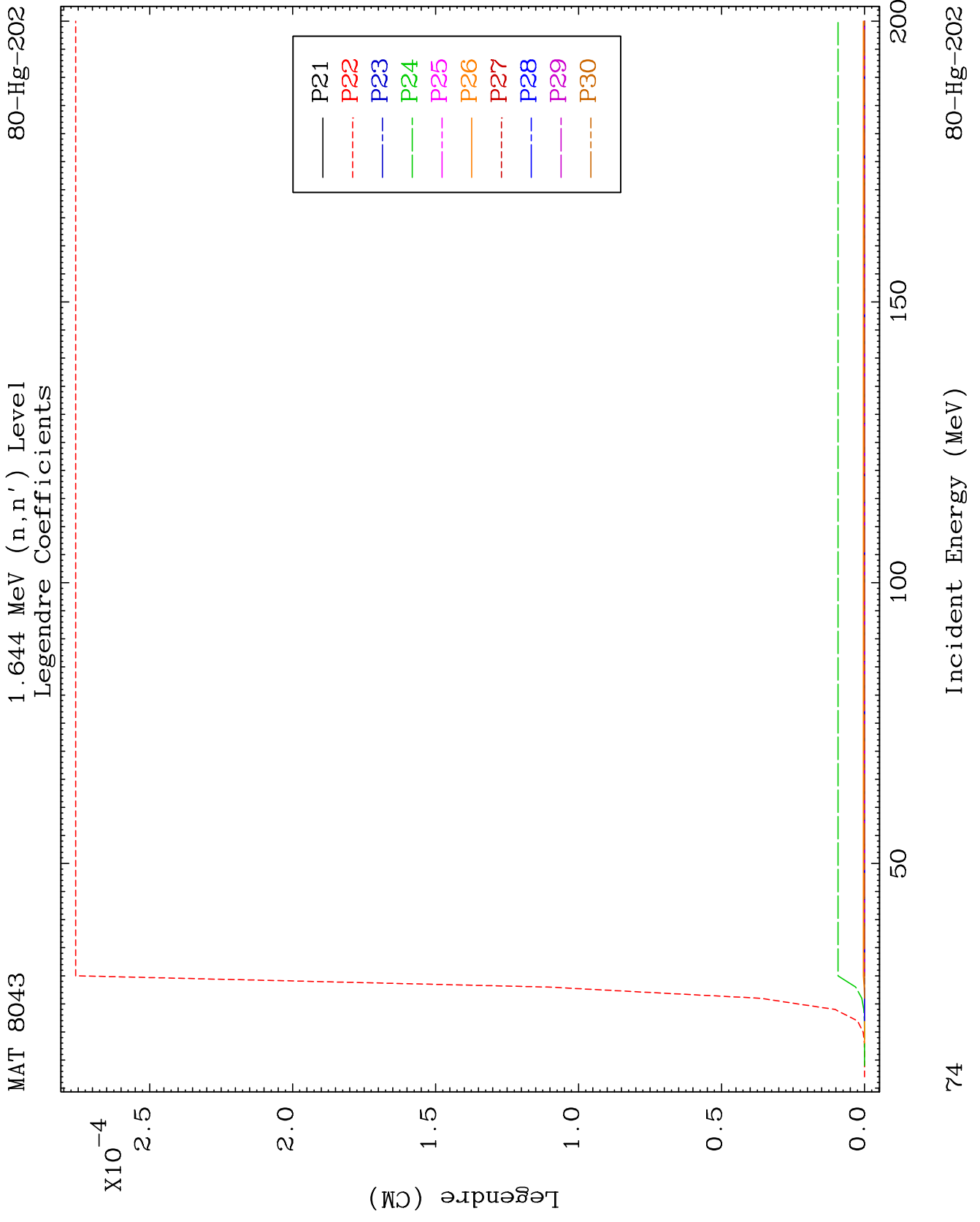
80-Hg-202



73

Incident Energy (MeV)

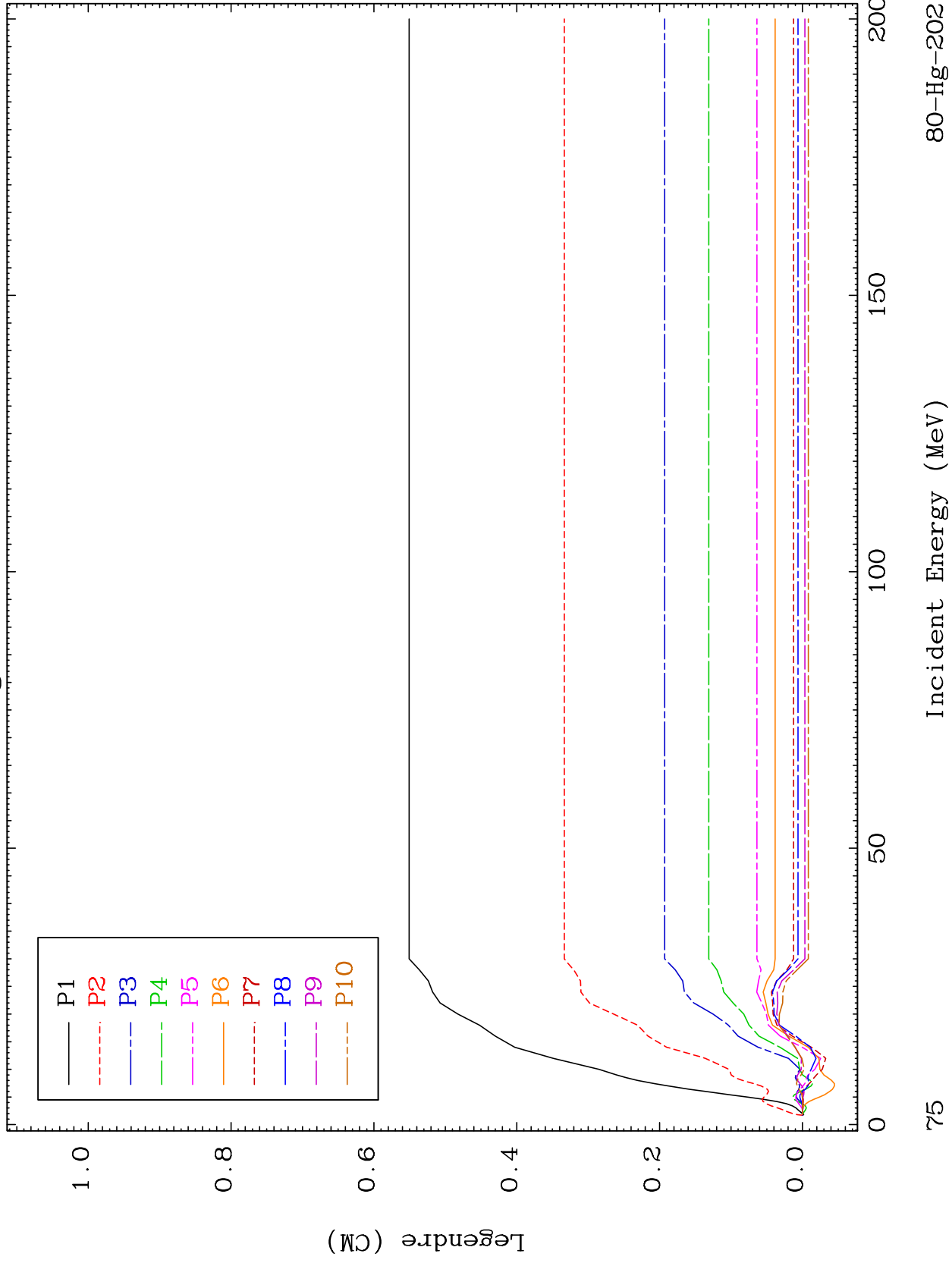
80-Hg-202



MAT 8043

1.679 MeV (n,n') Level
Legendre Coefficients

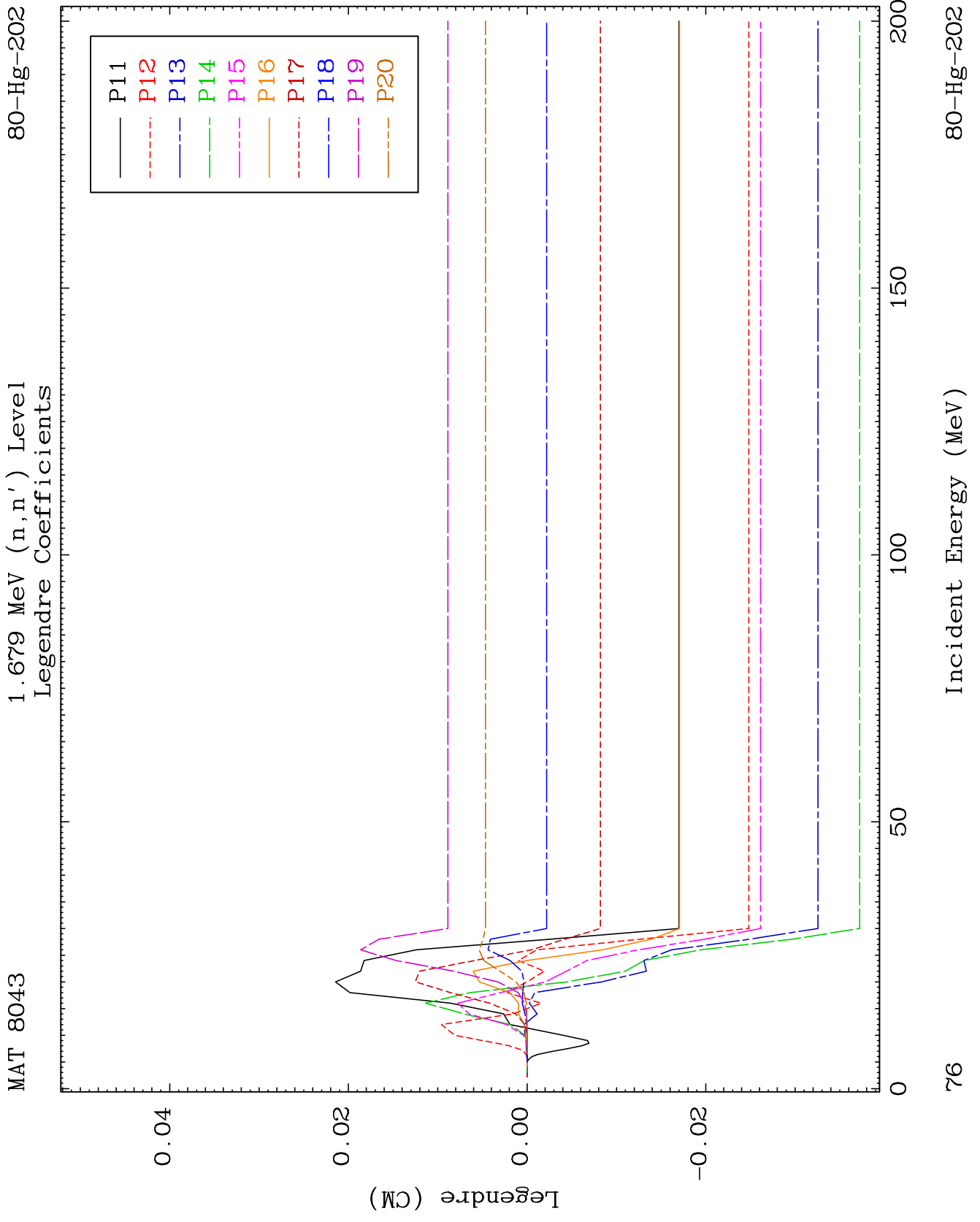
80-Hg-202



80-Hg-202

Incident Energy (MeV)

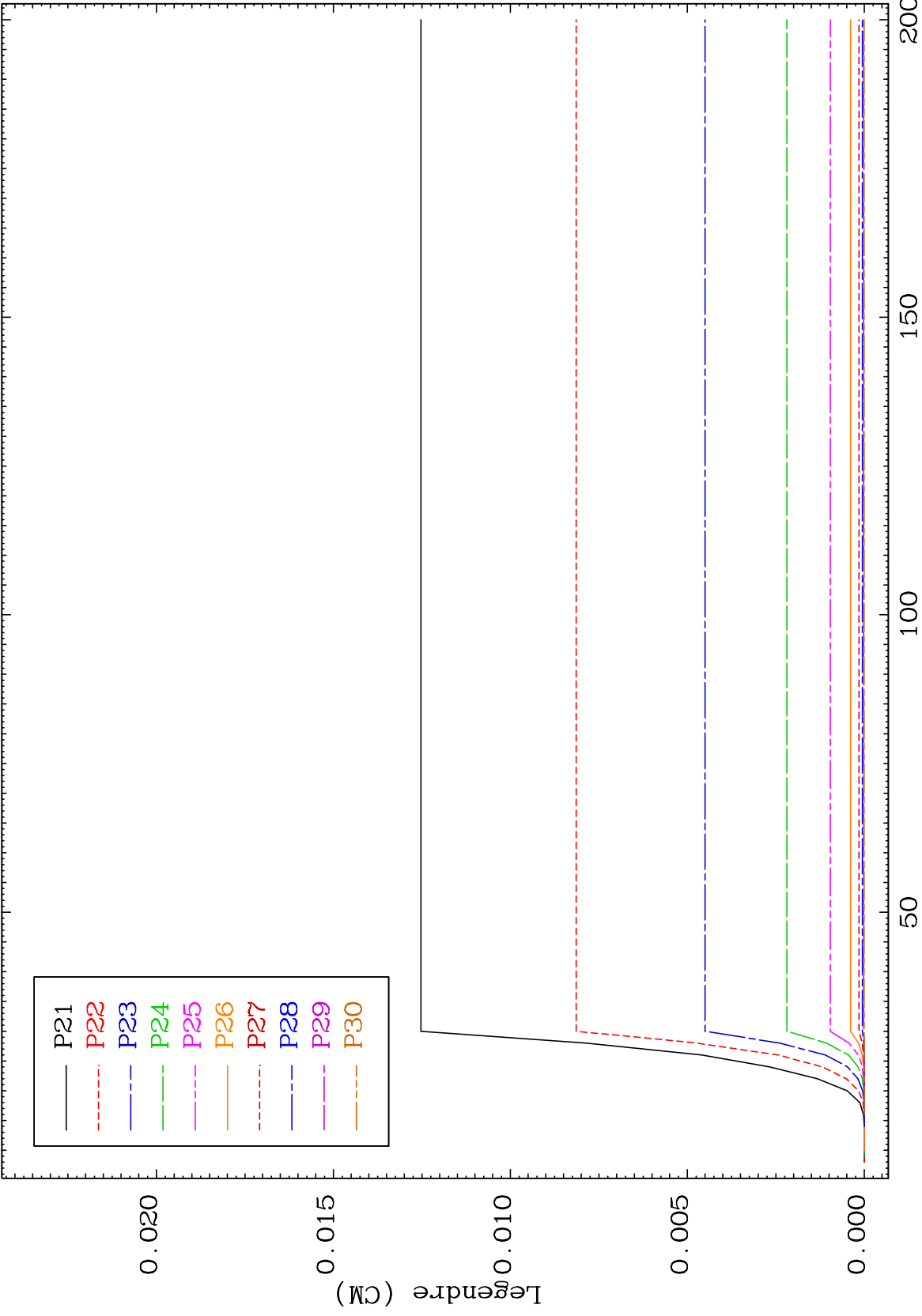
75



MAT 8043

1.679 MeV (n, n') Level
Legendre Coefficients

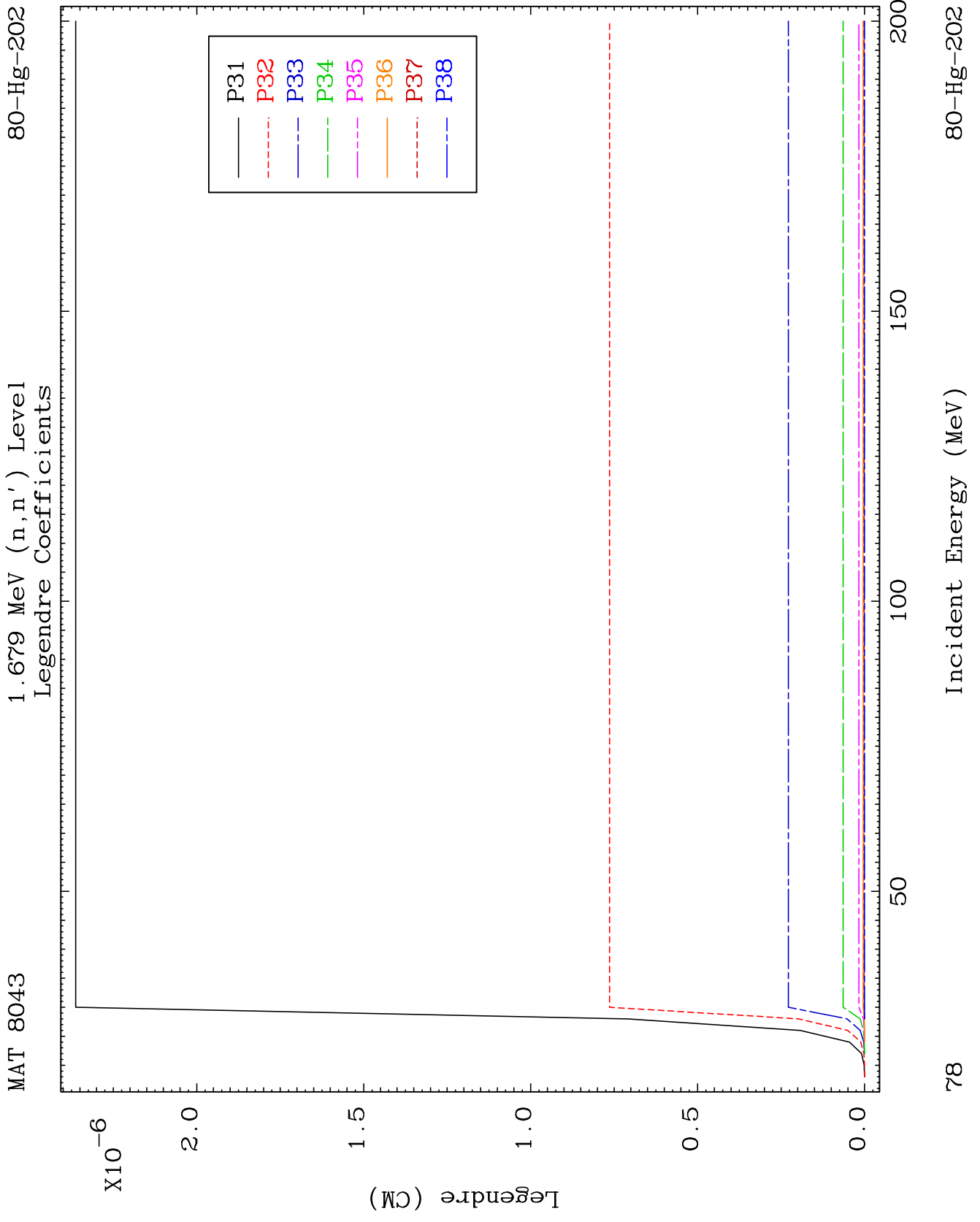
80-Hg-202

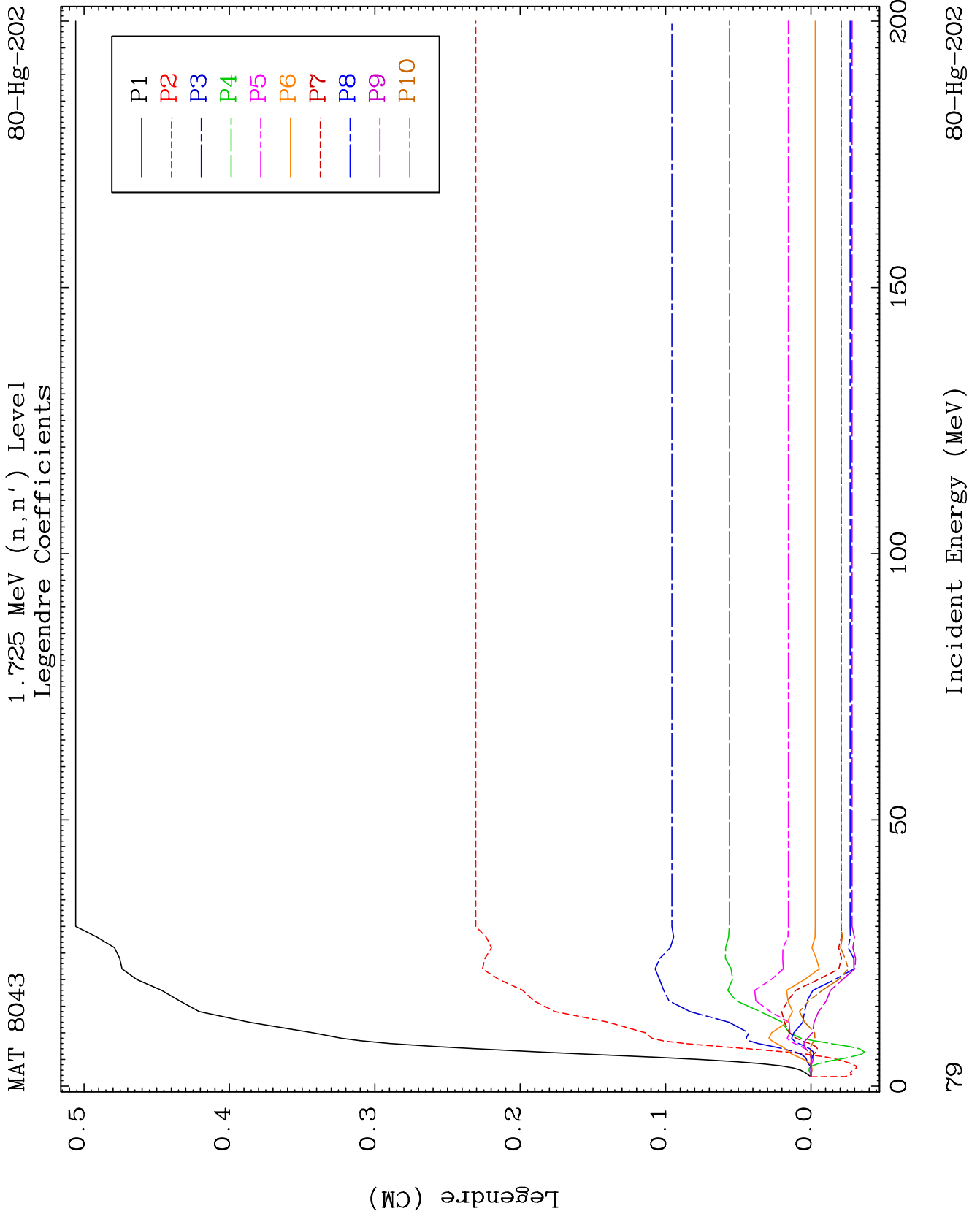


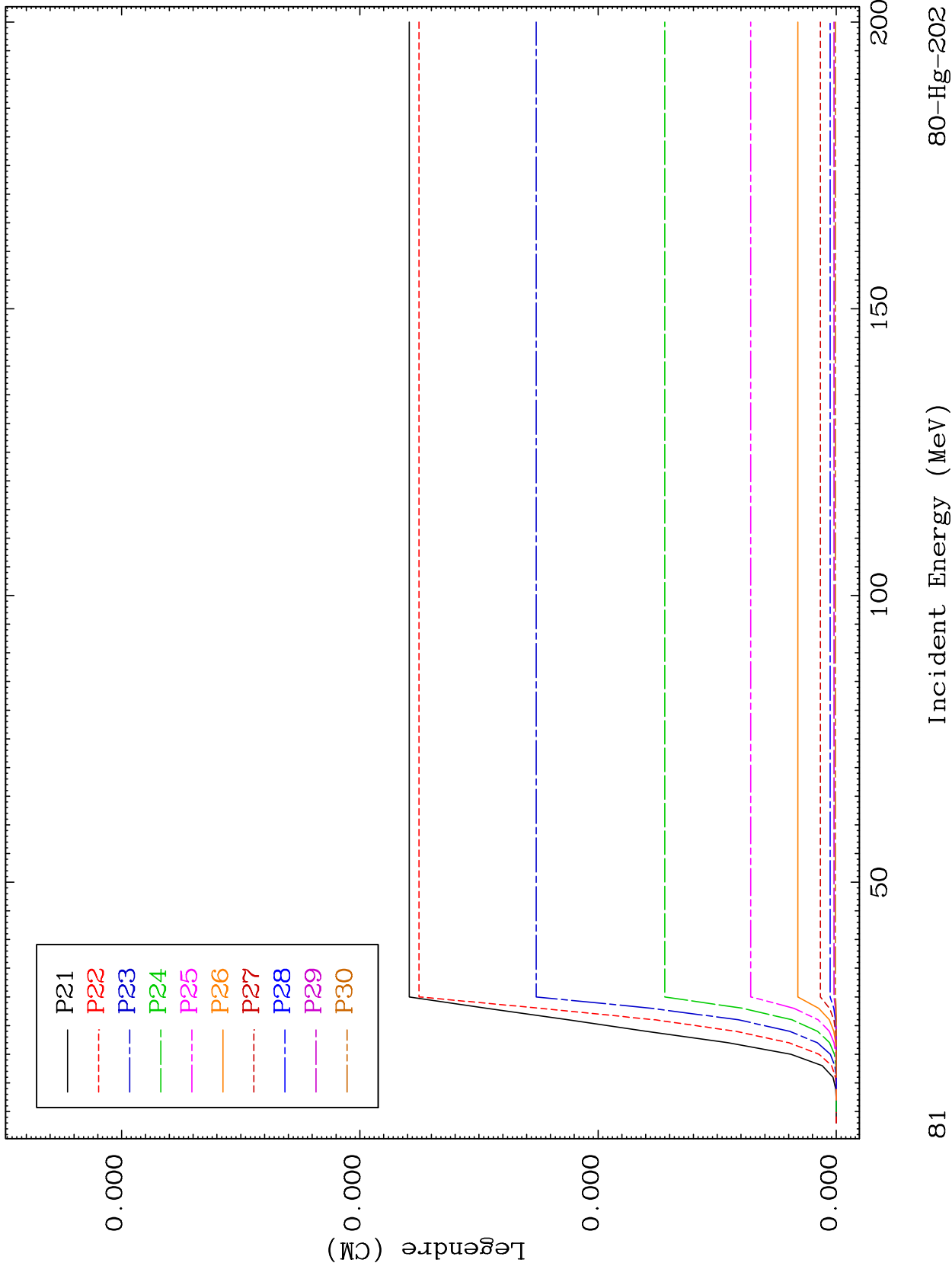
77

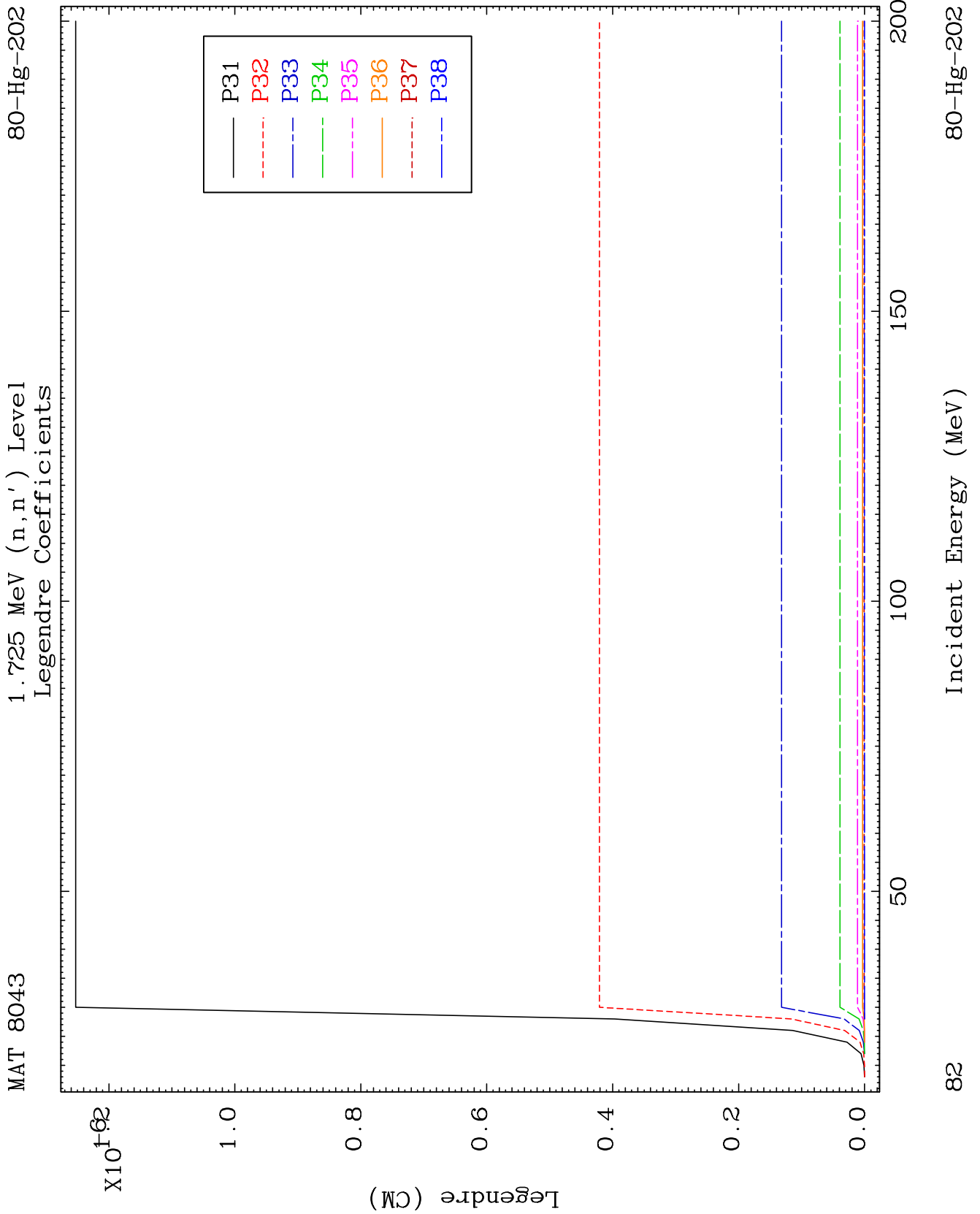
Incident Energy (MeV)

80-Hg-202





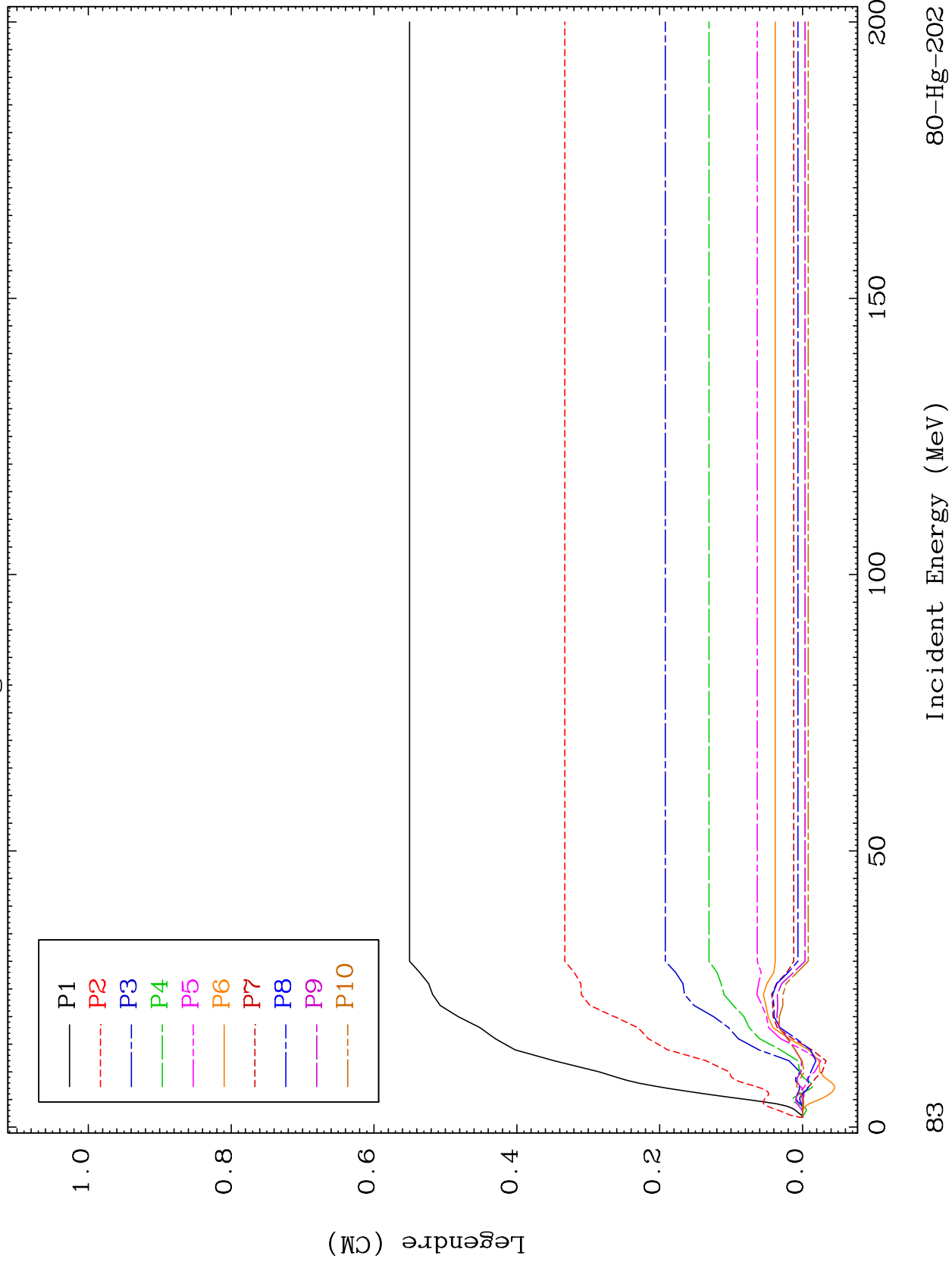




MAT 8043

1.746 MeV (n, n') Level
Legendre Coefficients

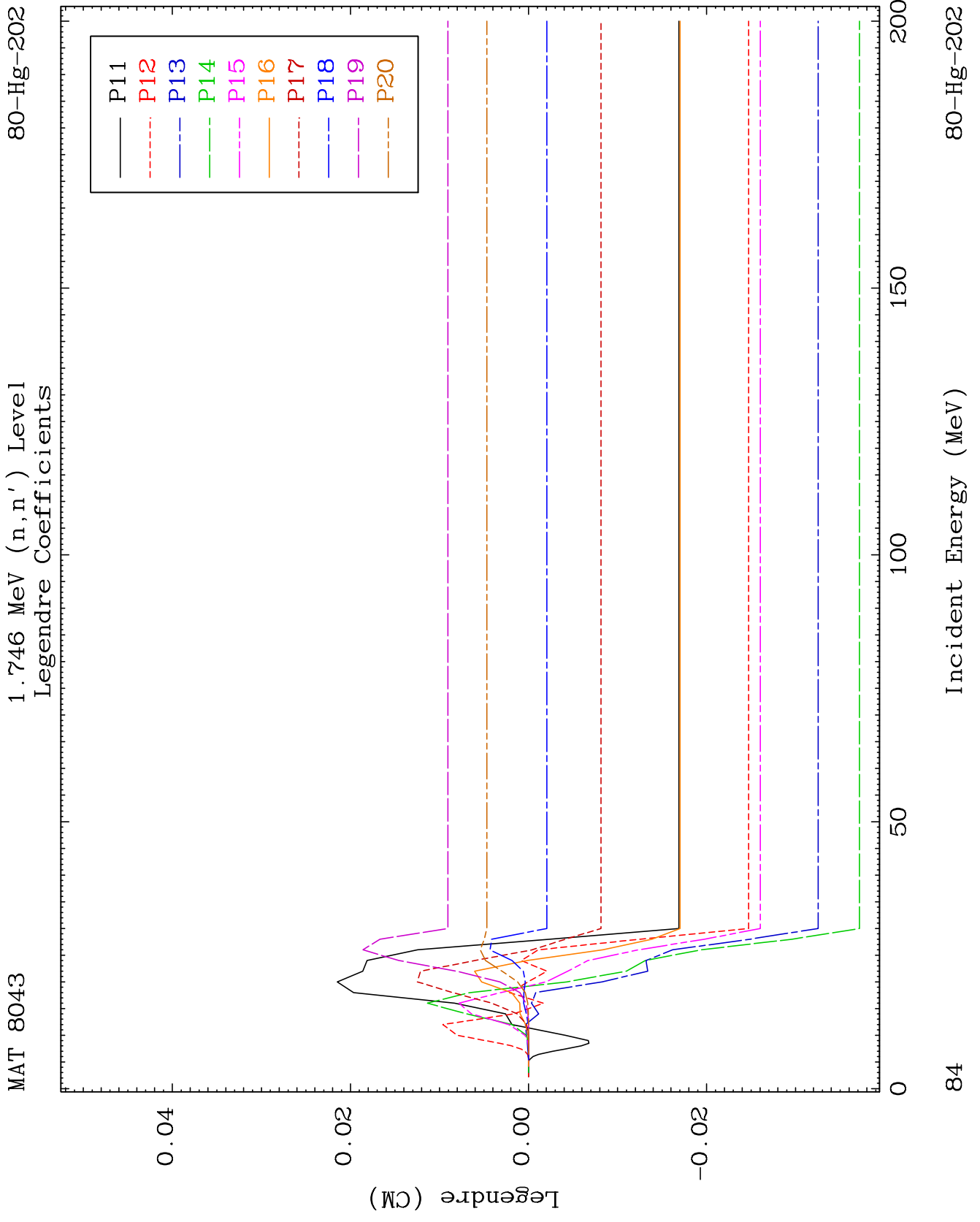
80-Hg-202



83

Incident Energy (MeV)

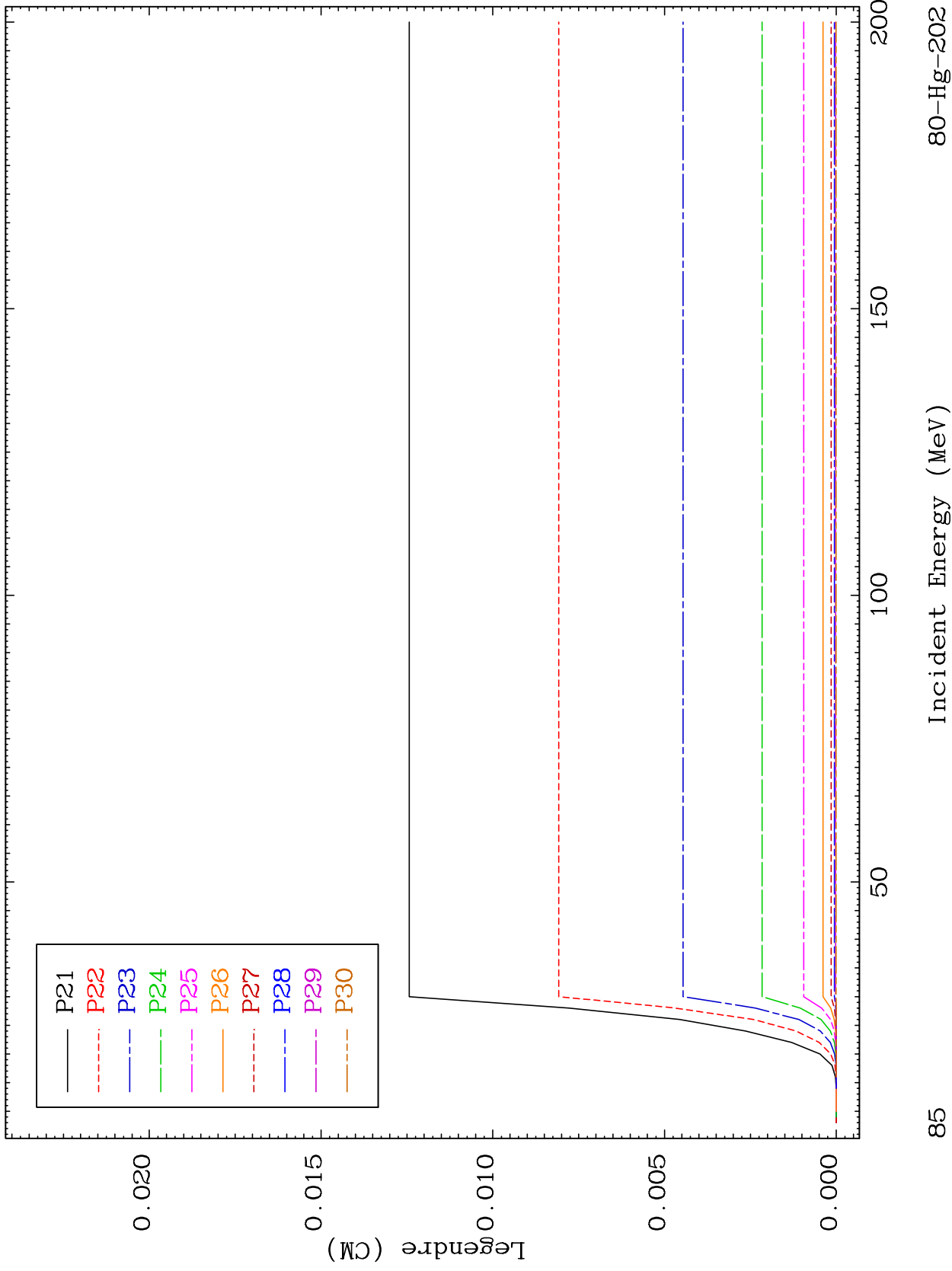
80-Hg-202



MAT 8043

1.746 MeV (n, n') Level
Legendre Coefficients

80-Hg-202



85

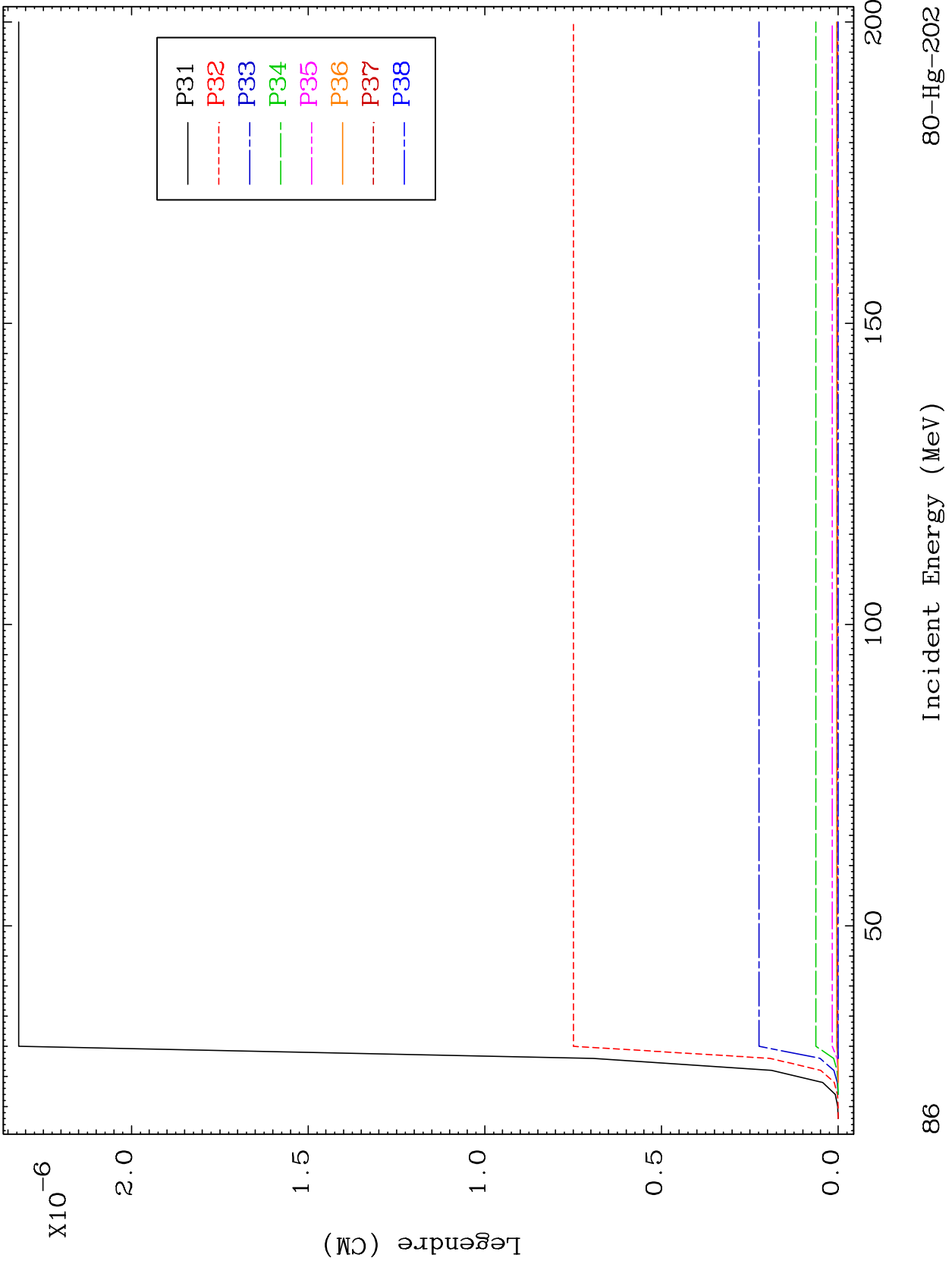
Incident Energy (MeV)

80-Hg-202

MAT 8043

1.746 MeV (n,n') Level
Legendre Coefficients

80-Hg-202



86

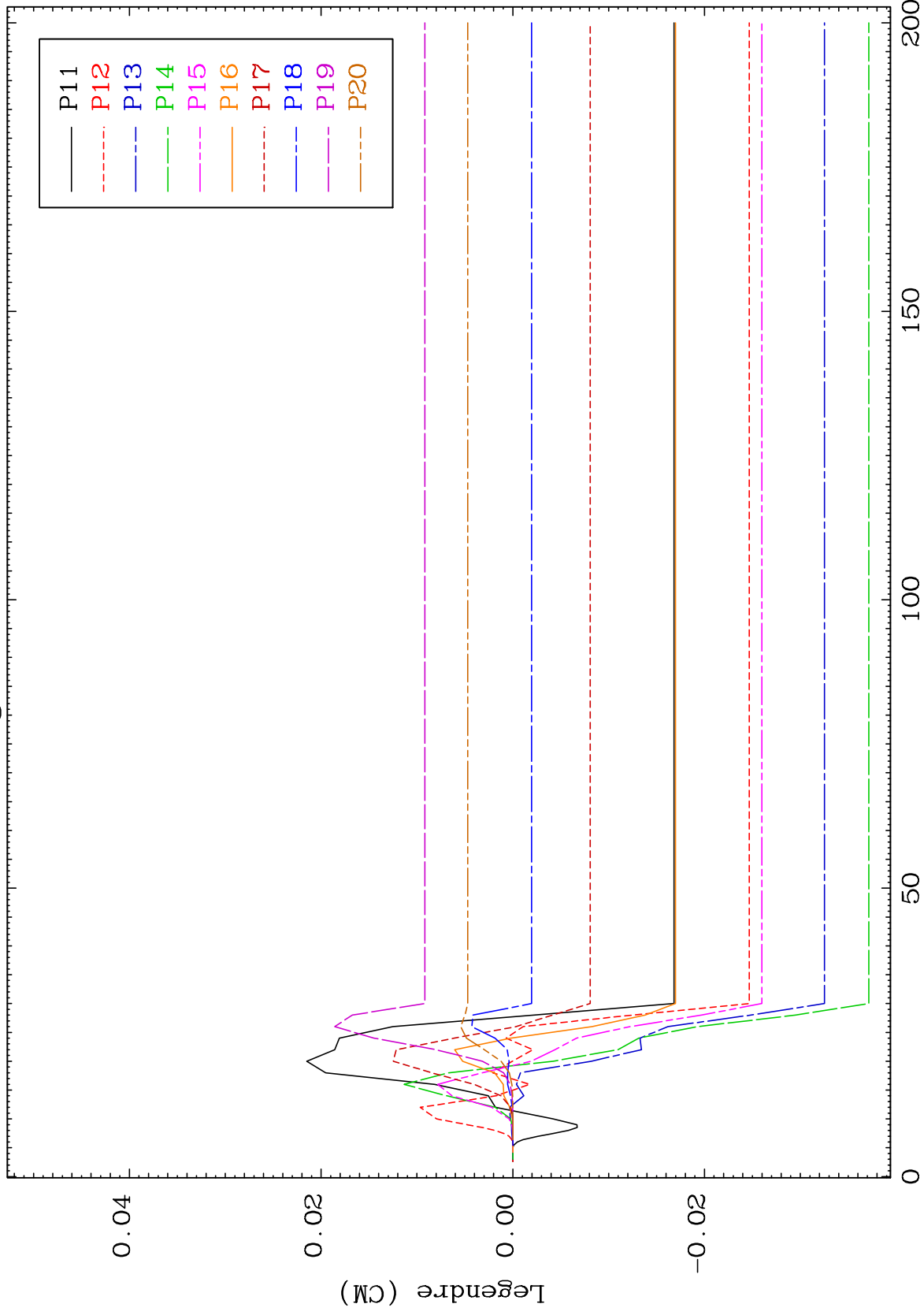
Incident Energy (MeV)

80-Hg-202

MAT 8043

1.788 MeV (n,n') Level
Legendre Coefficients

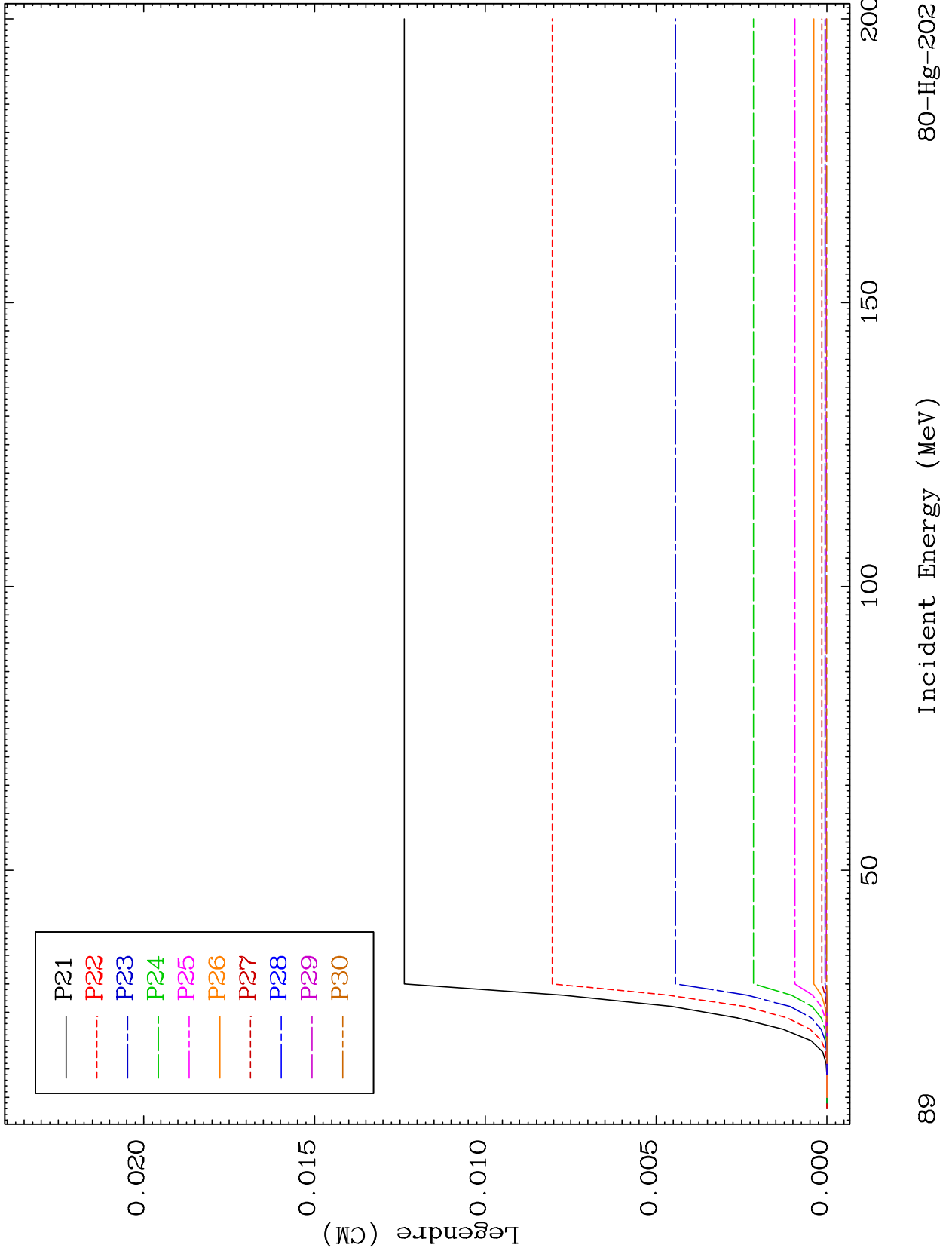
80-Hg-202



88

Incident Energy (MeV)

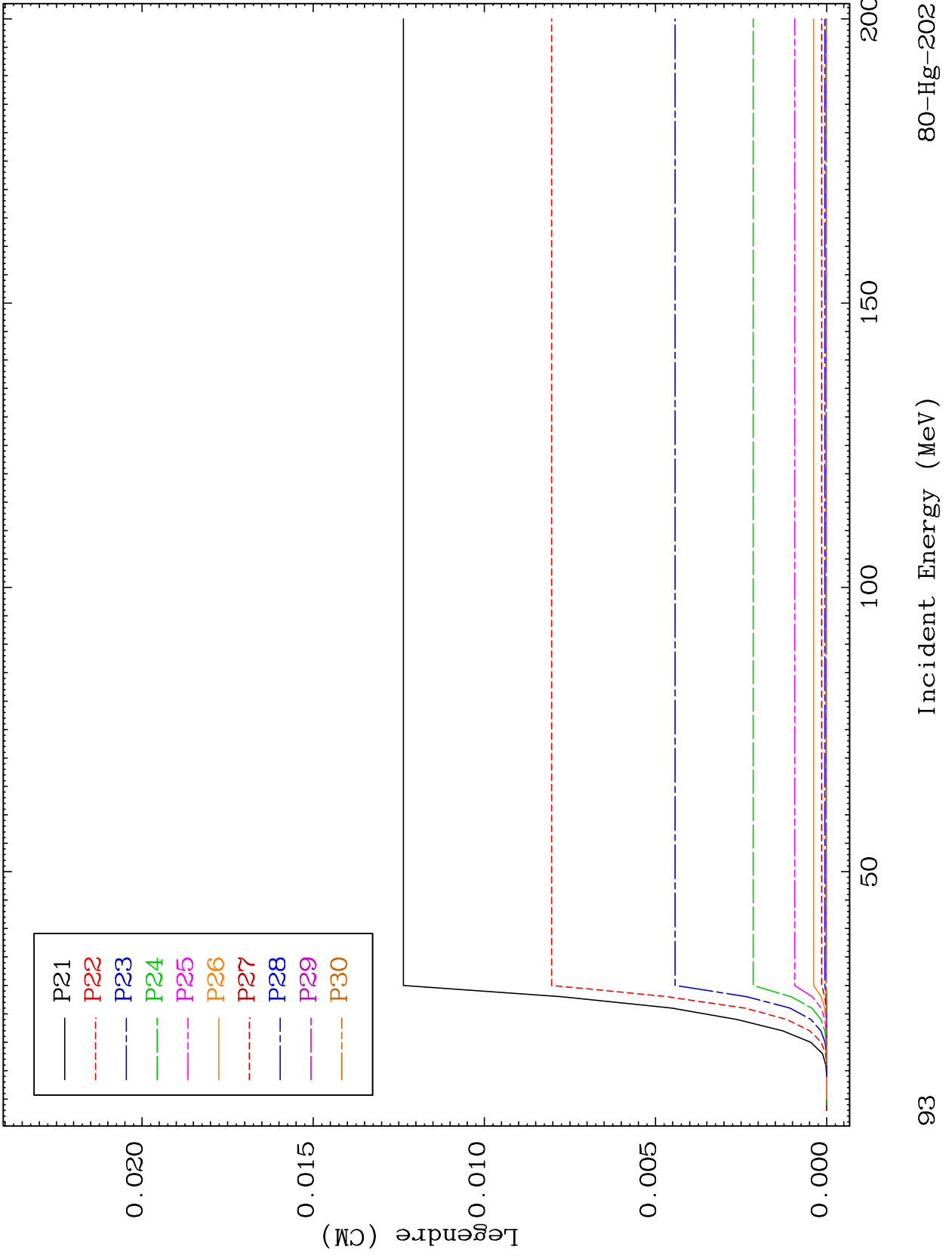
80-Hg-202



MAT 8043

1.794 MeV (n, n') Level
Legendre Coefficients

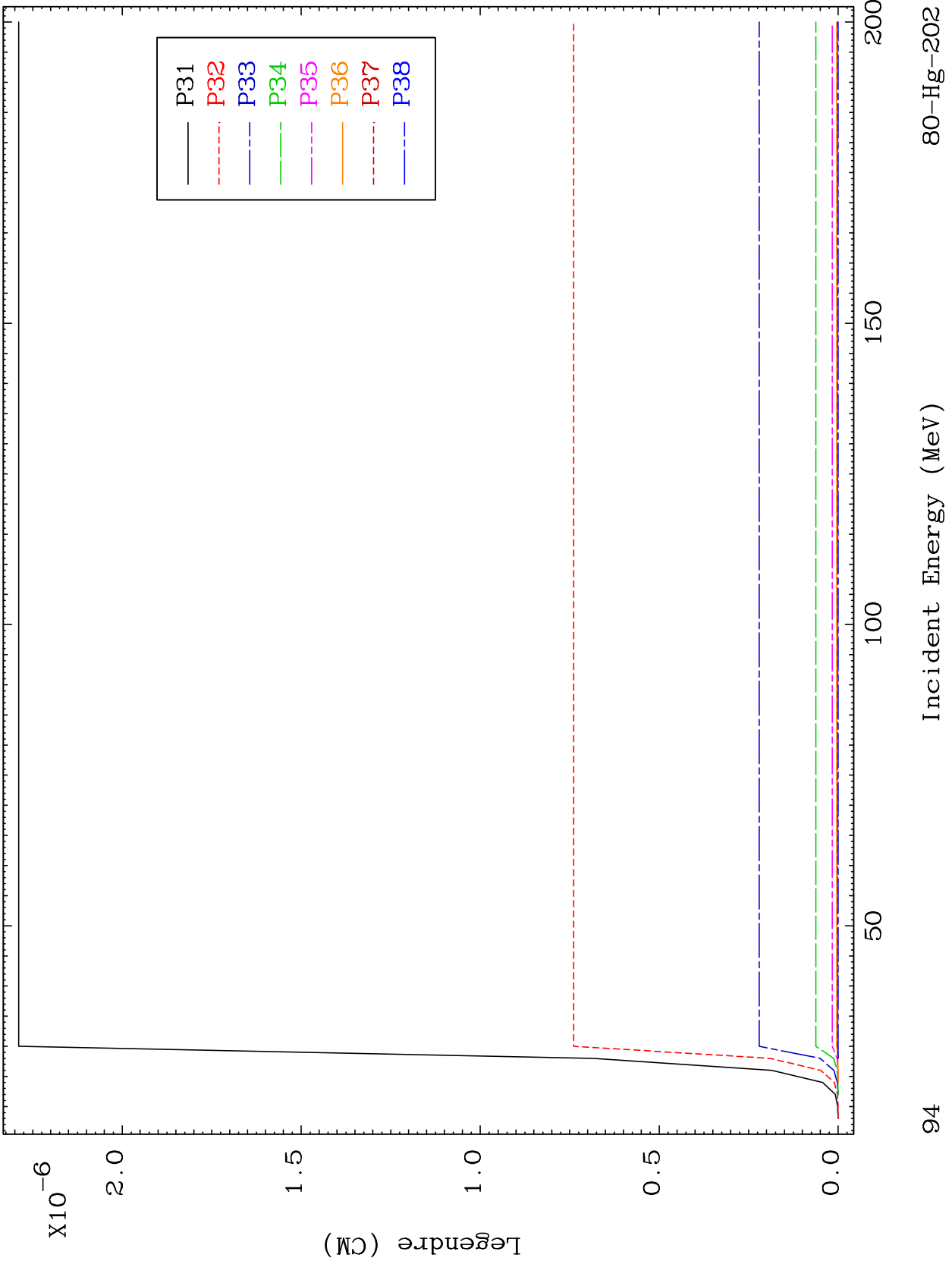
80-Hg-202

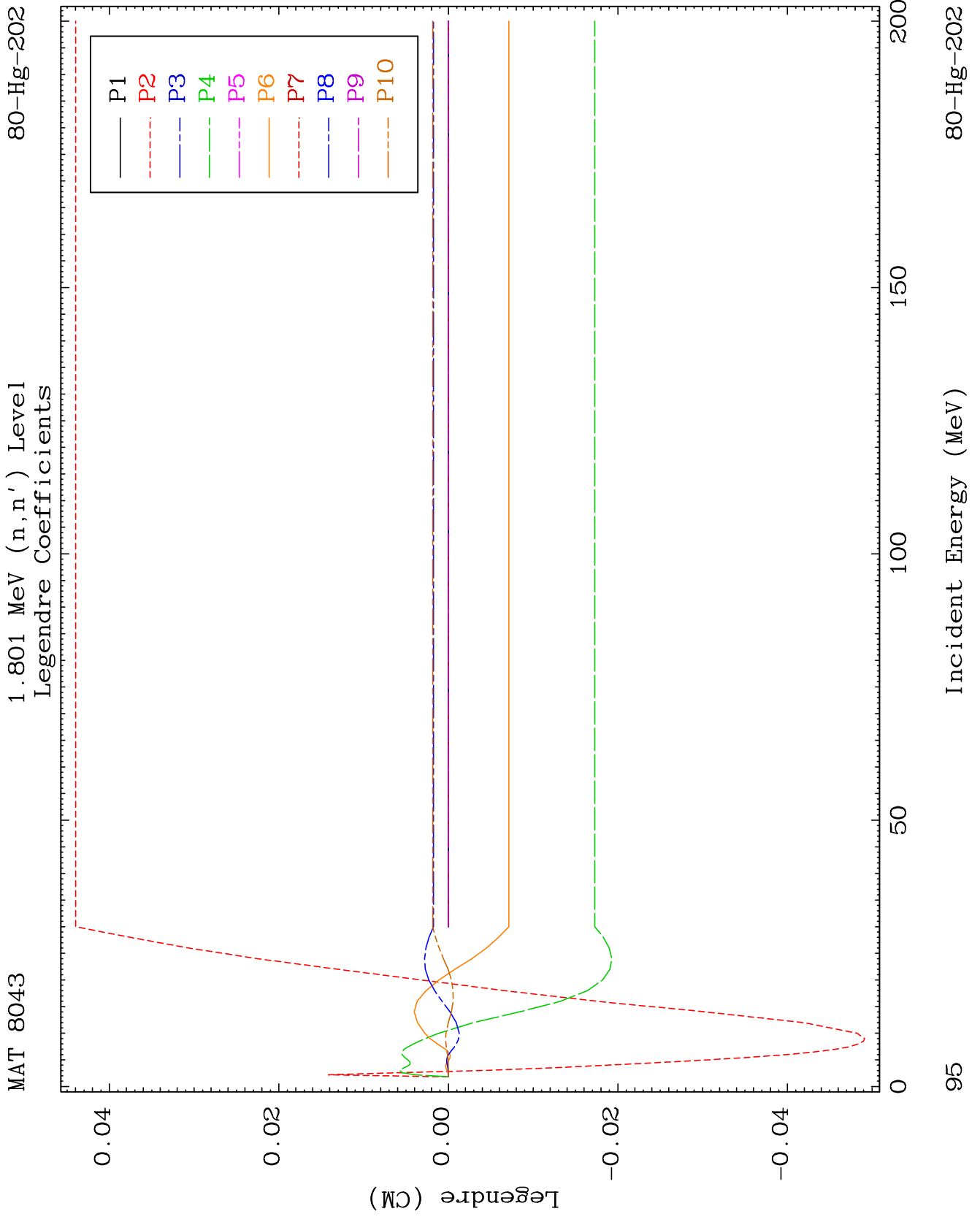


MAT 8043

1.794 MeV (n, n') Level
Legendre Coefficients

80-Hg-202

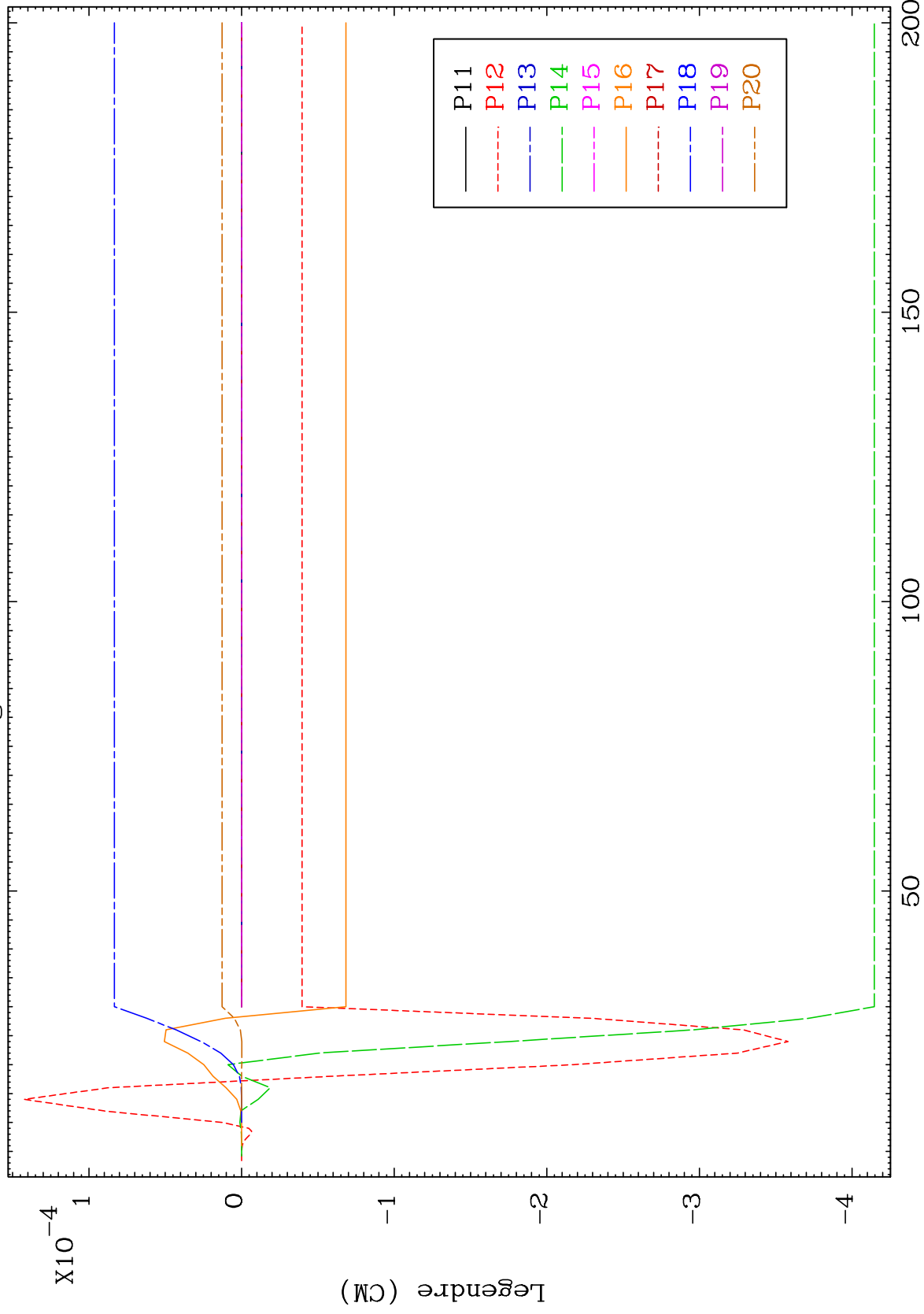




MAT 8043

1.801 MeV (n,n') Level
Legendre Coefficients

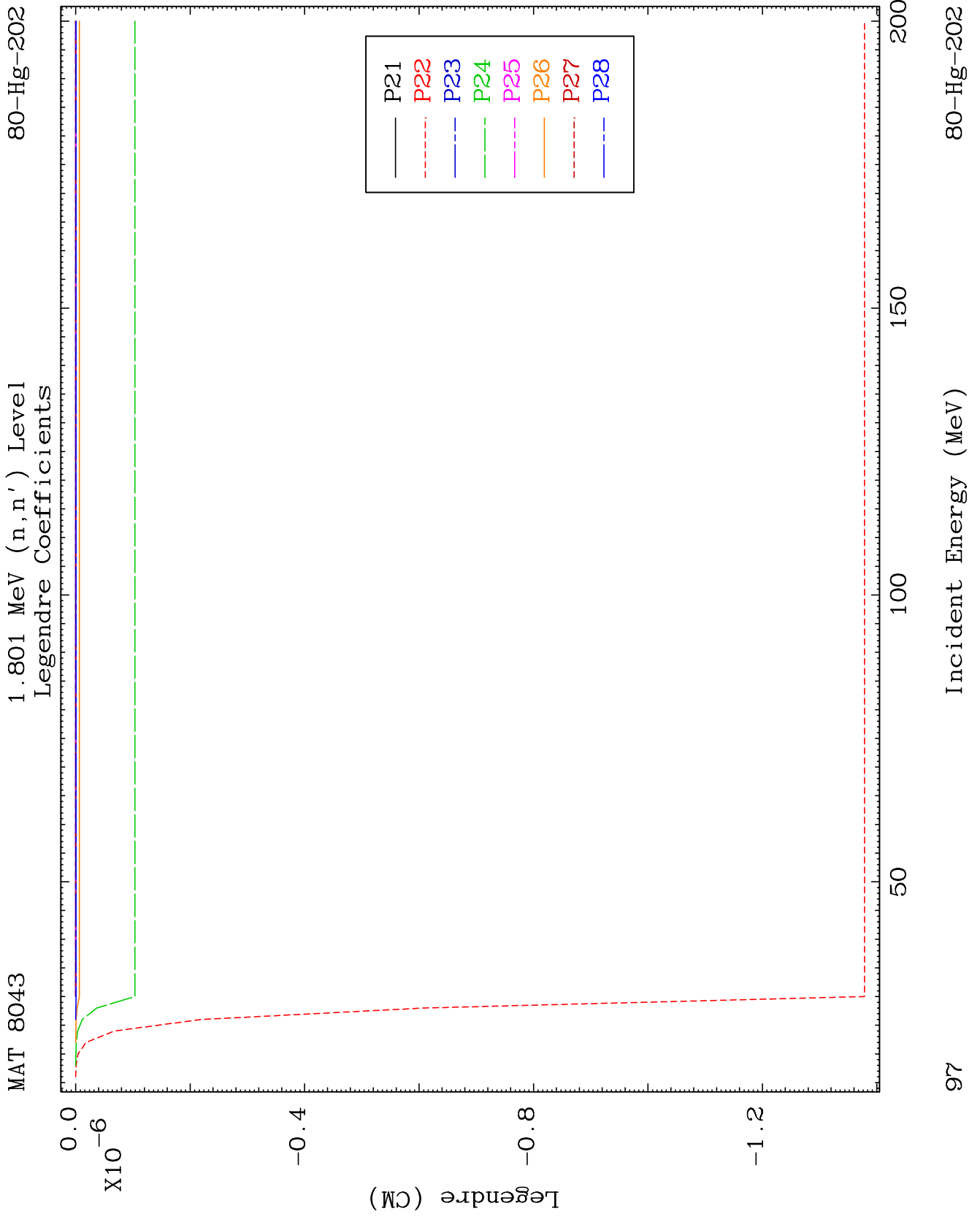
80-Hg-202



96

Incident Energy (MeV)

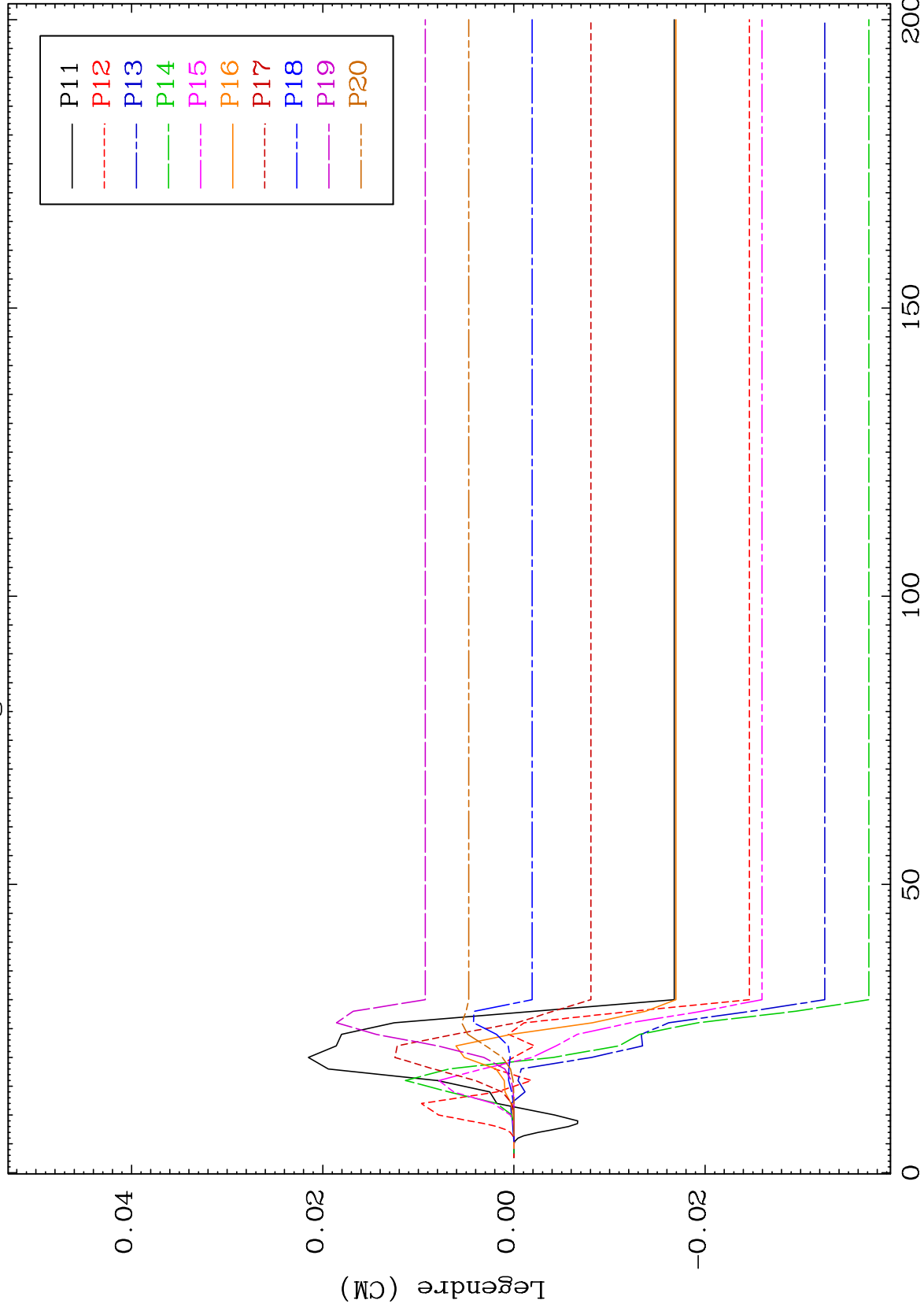
80-Hg-202



MAT 8043

1.824 MeV (n,n') Level
Legendre Coefficients

80-Hg-202



99

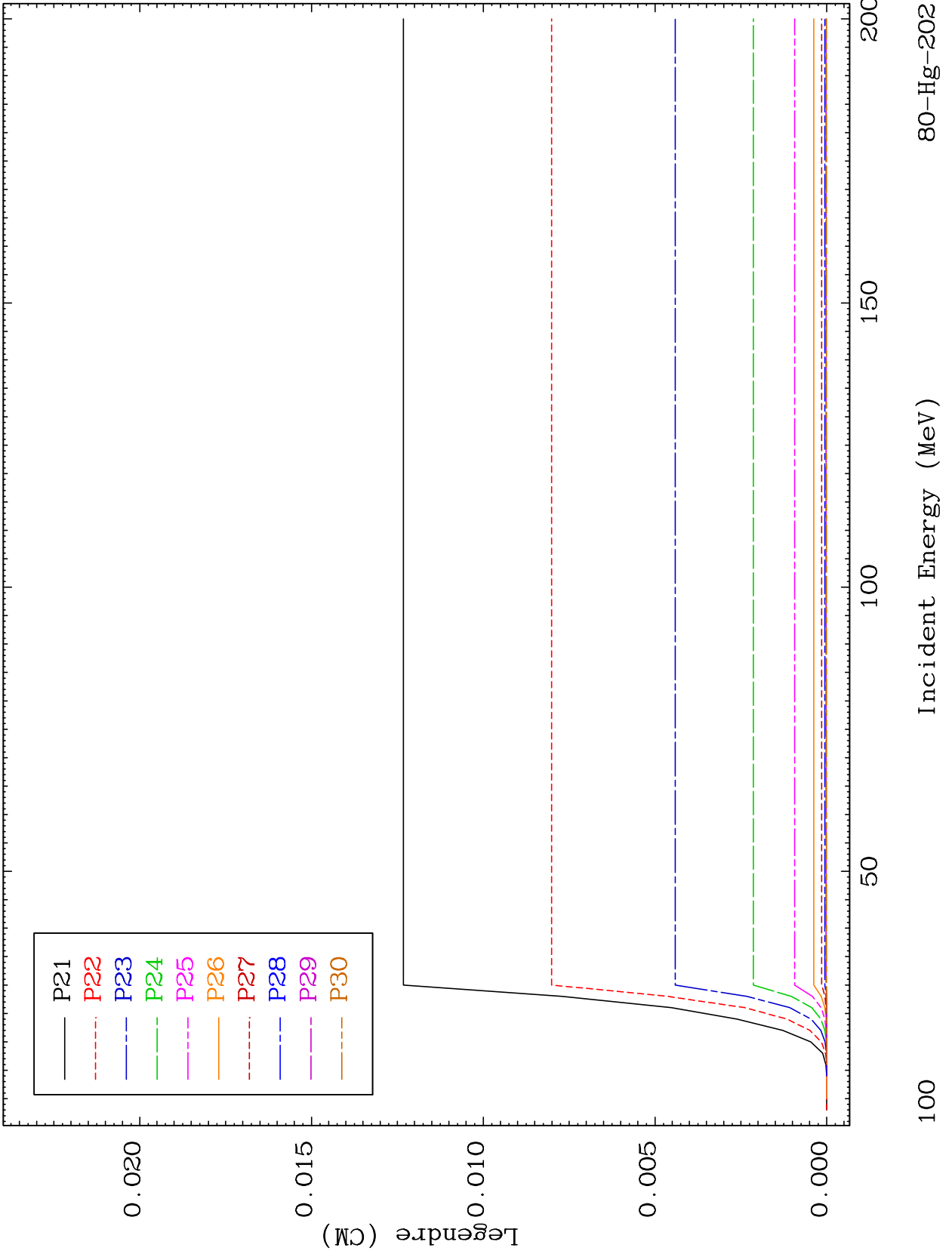
Incident Energy (MeV)

80-Hg-202

MAT 8043

1.824 MeV (n, n') Level
Legendre Coefficients

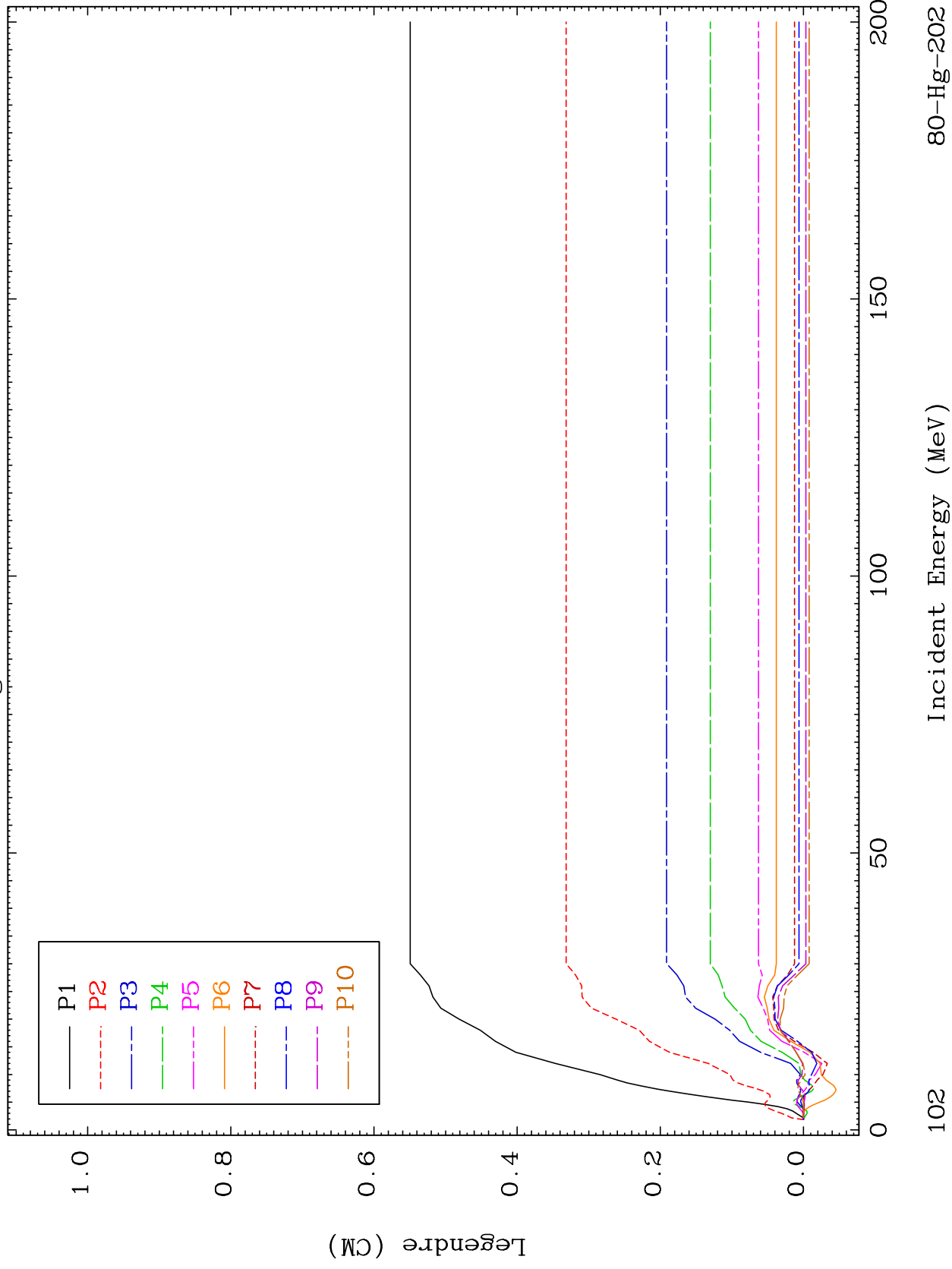
80-Hg-202



MAT 8043

1.852 MeV (n,n') Level
Legendre Coefficients

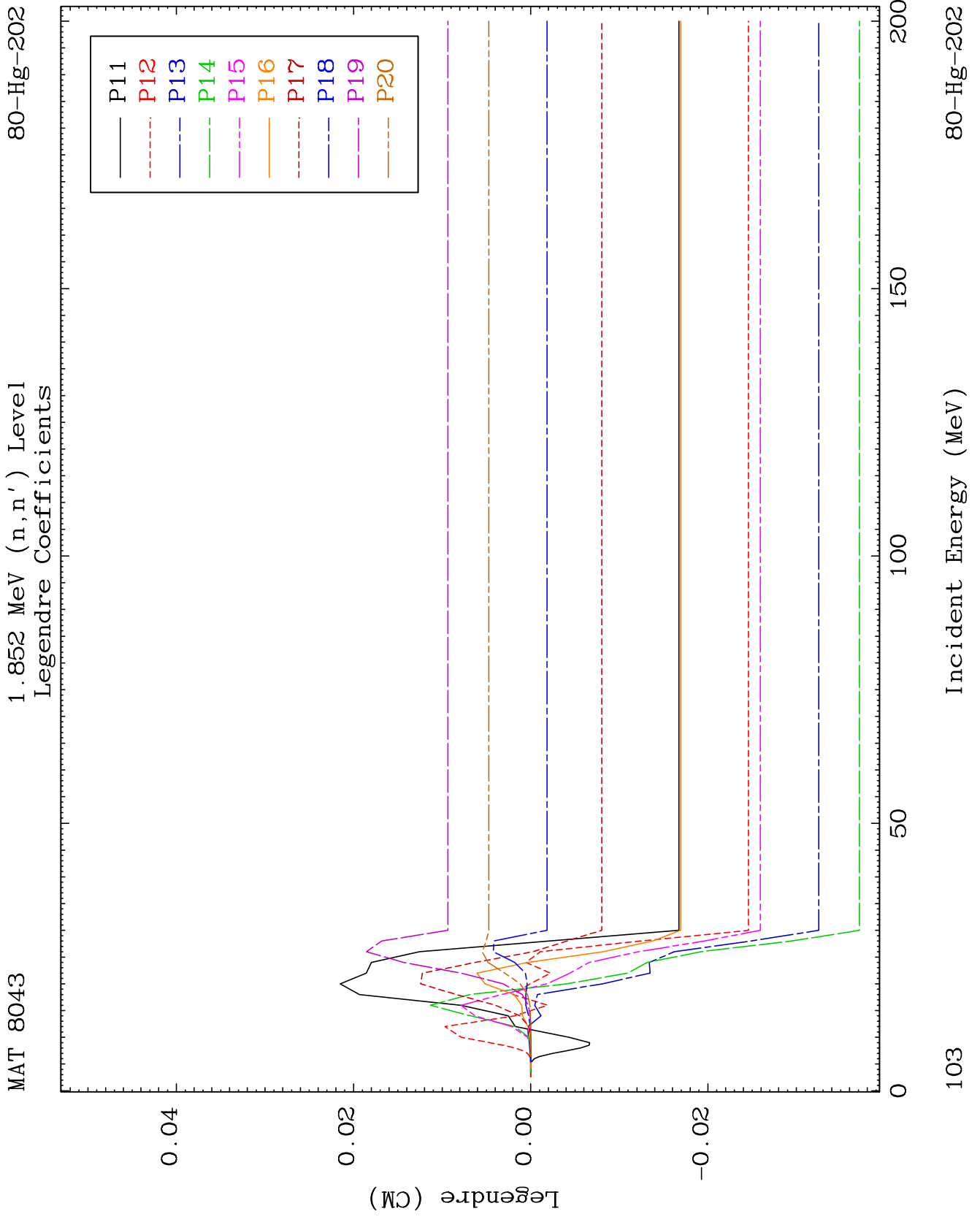
80-Hg-202



80-Hg-202

Incident Energy (MeV)

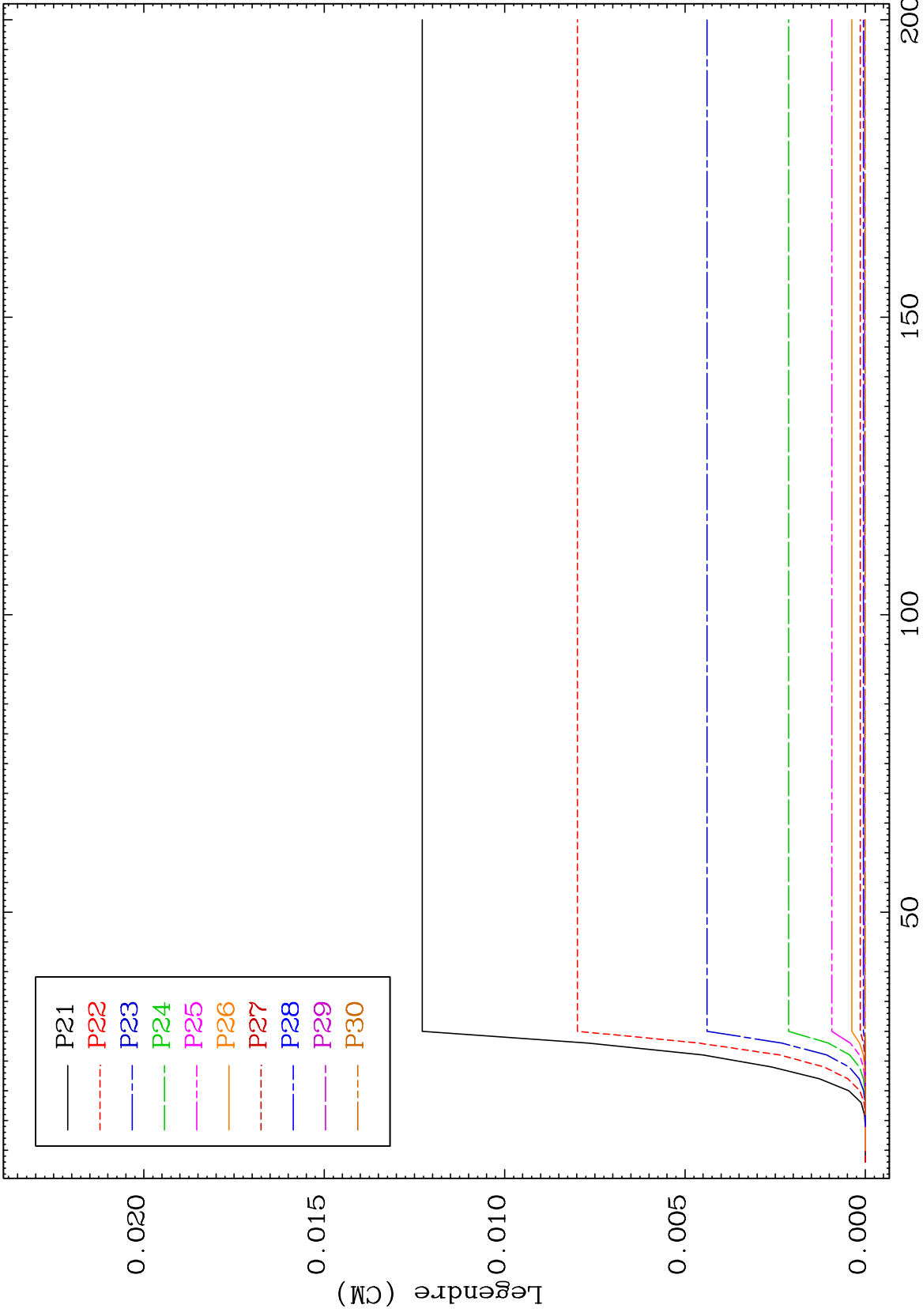
102



MAT 8043

1.852 MeV (n, n') Level
Legendre Coefficients

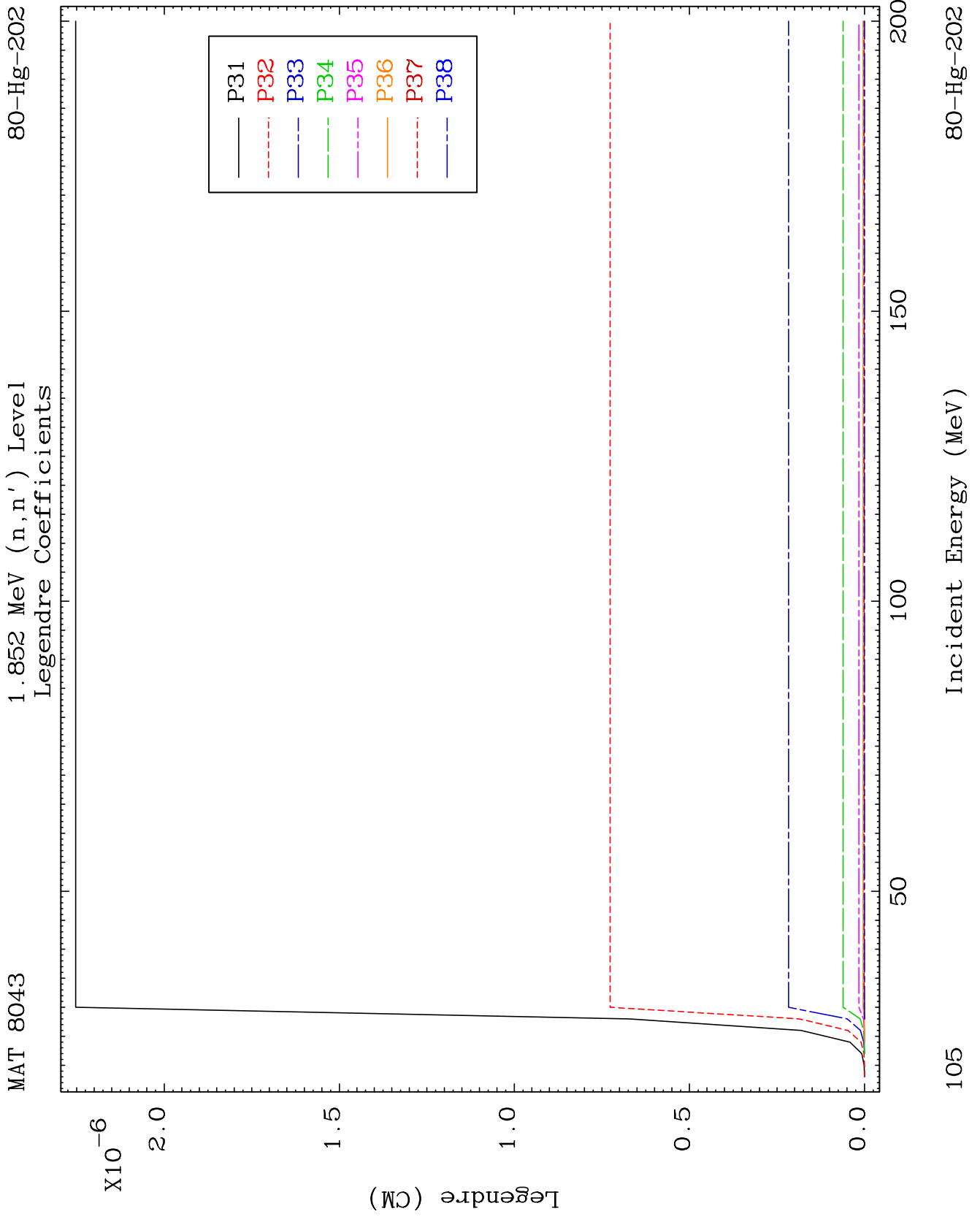
80-Hg-202

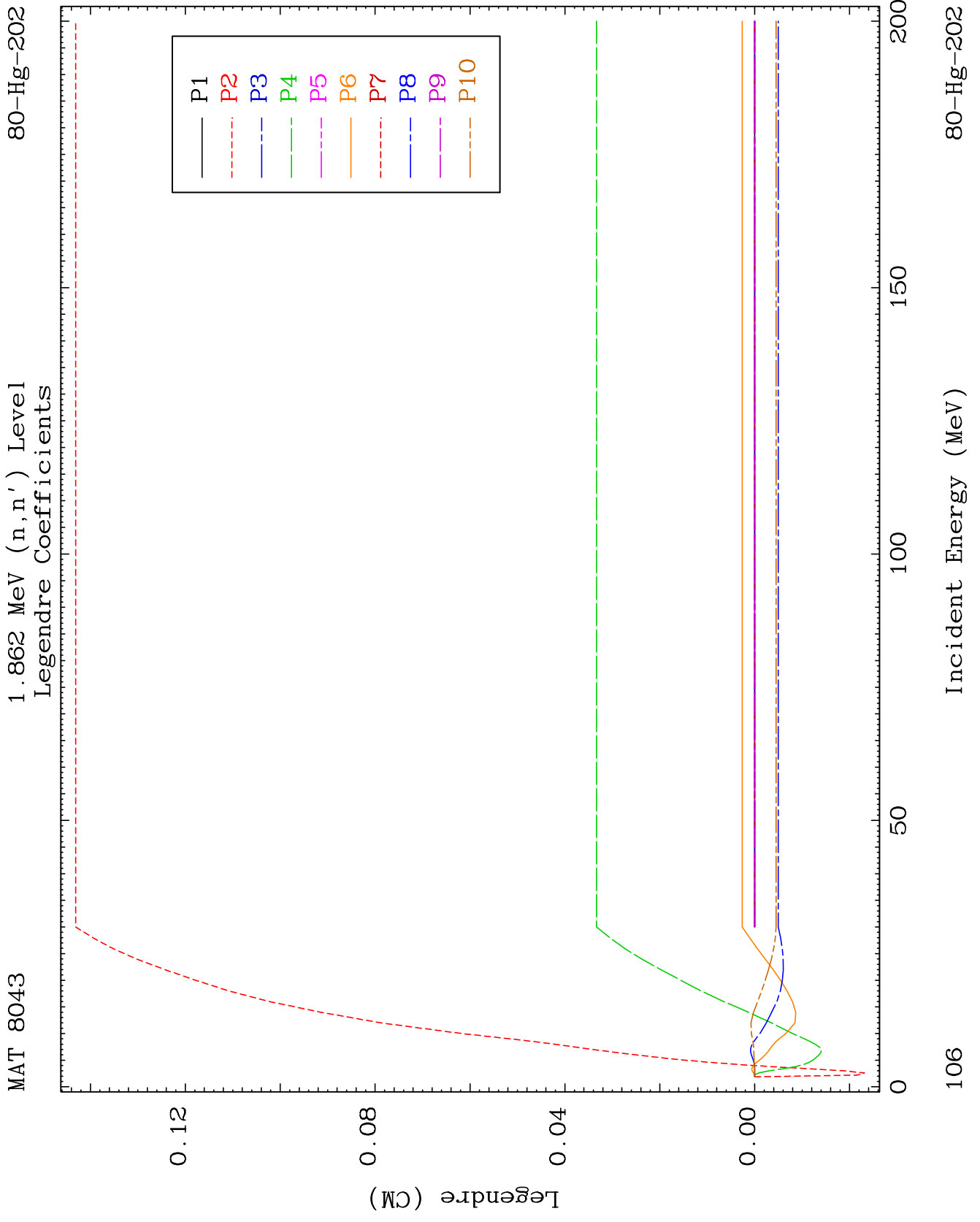


104

Incident Energy (MeV)

80-Hg-202

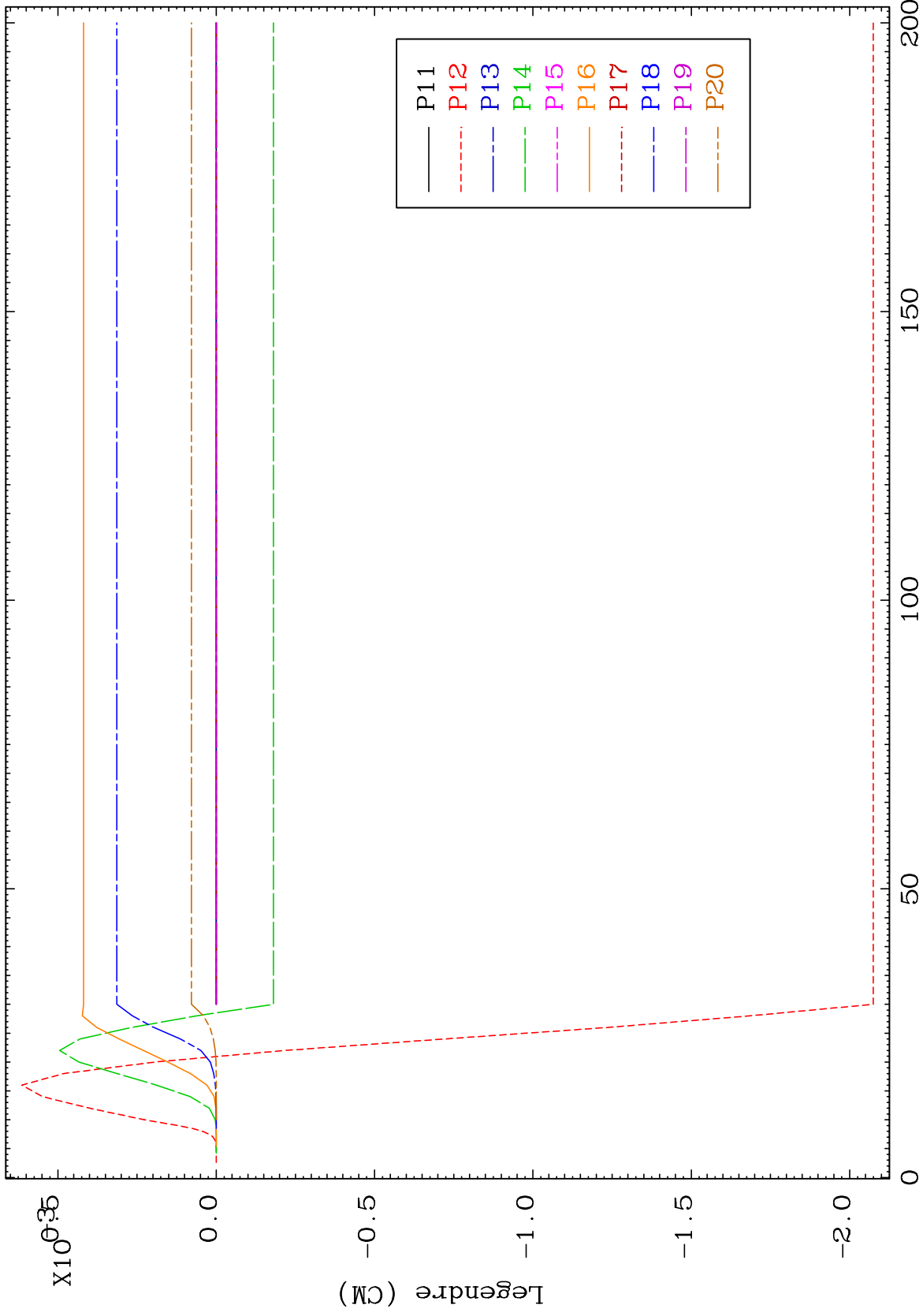




MAT 8043

1.862 MeV (n,n') Level
Legendre Coefficients

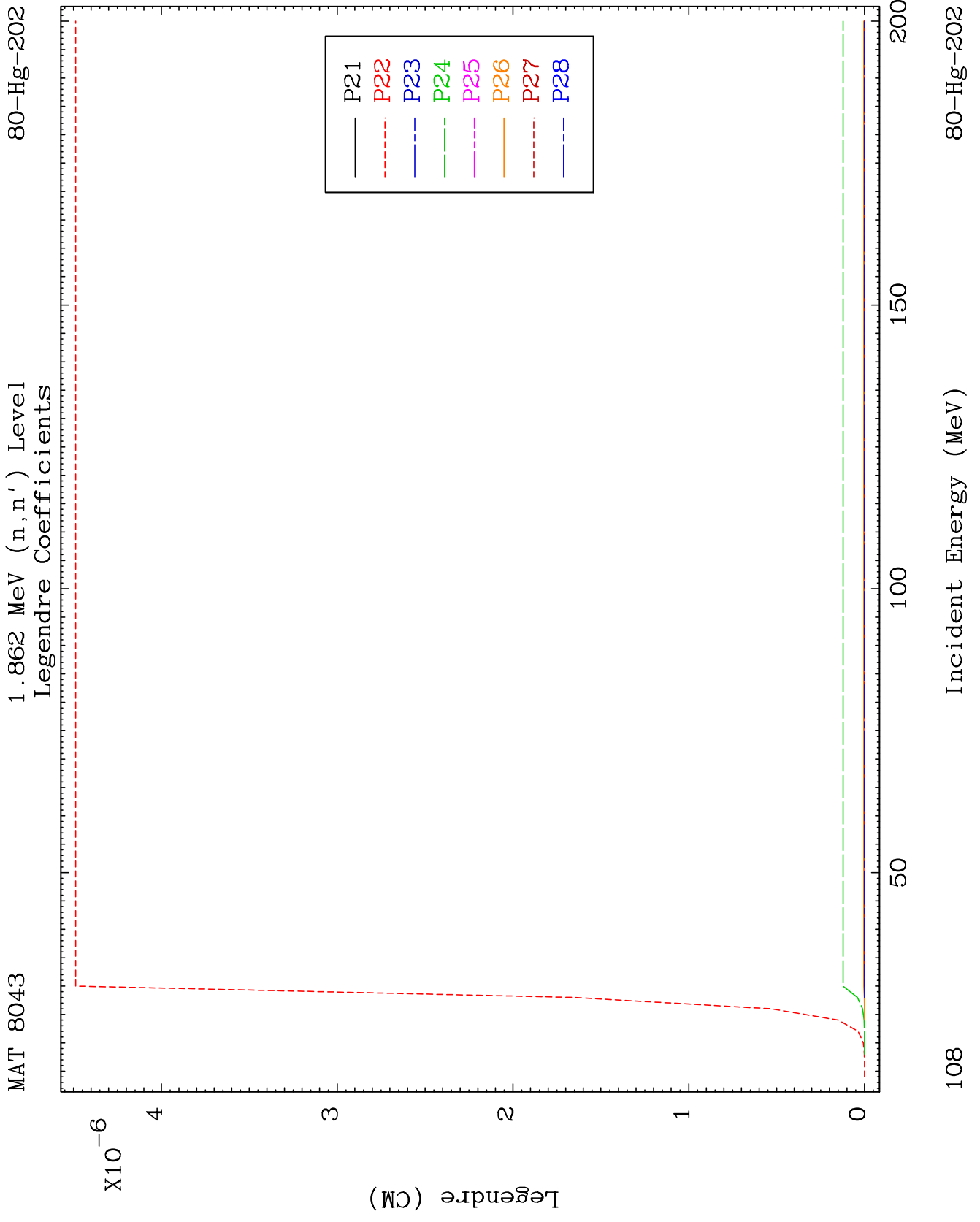
80-Hg-202



107

Incident Energy (MeV)

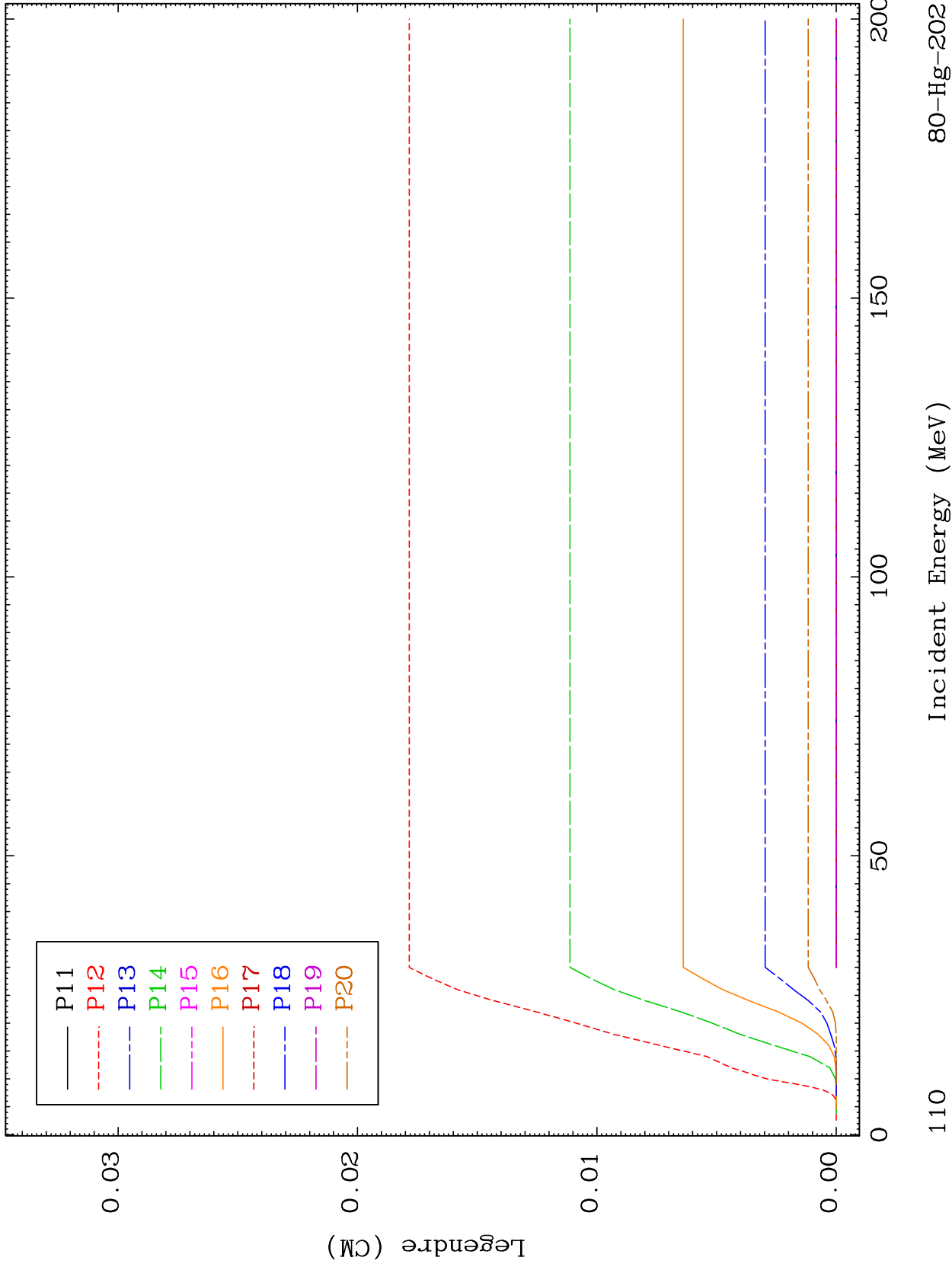
80-Hg-202



MAT 8043

1.901 MeV (n,n') Level
Legendre Coefficients

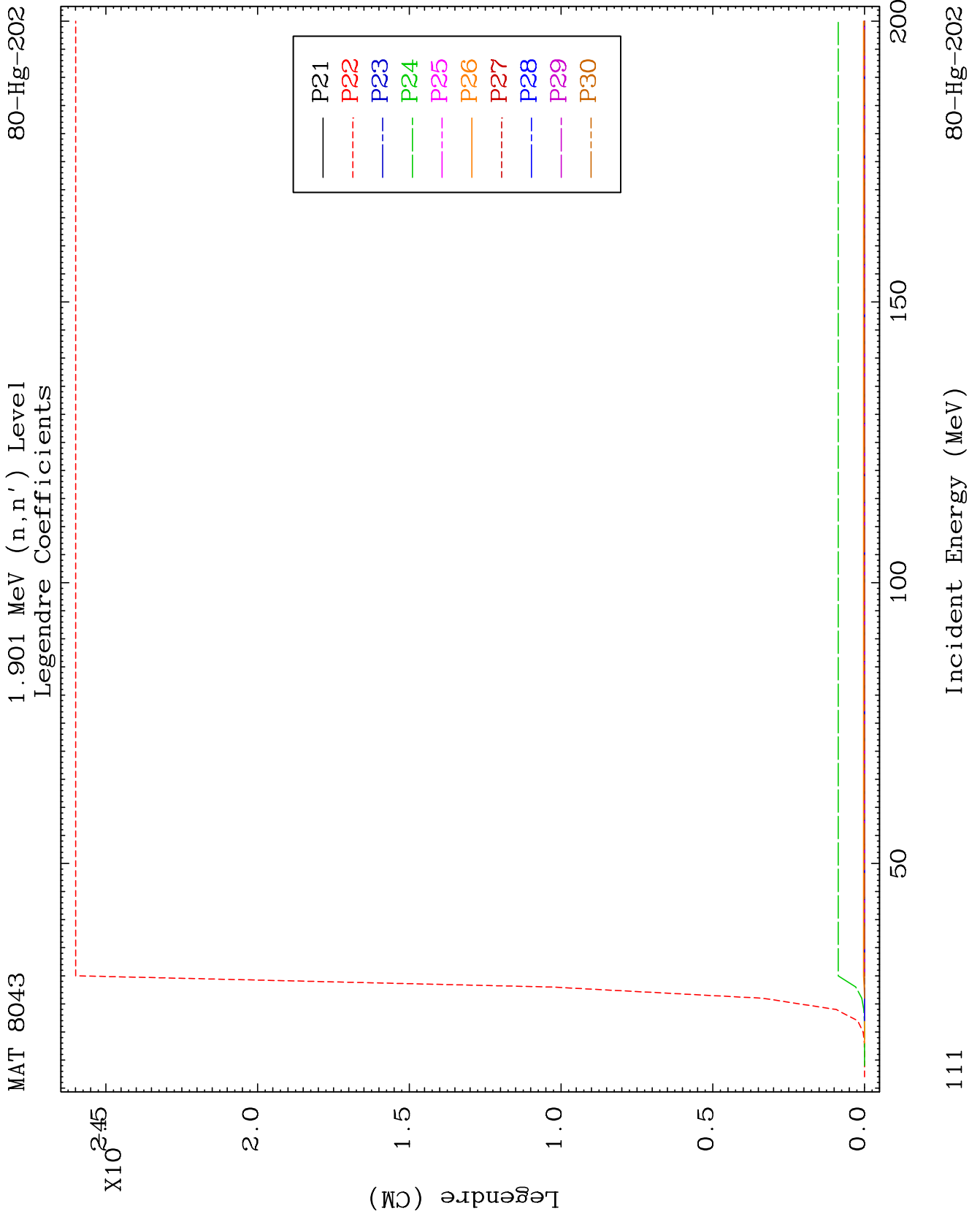
80-Hg-202



80-Hg-202

Incident Energy (MeV)

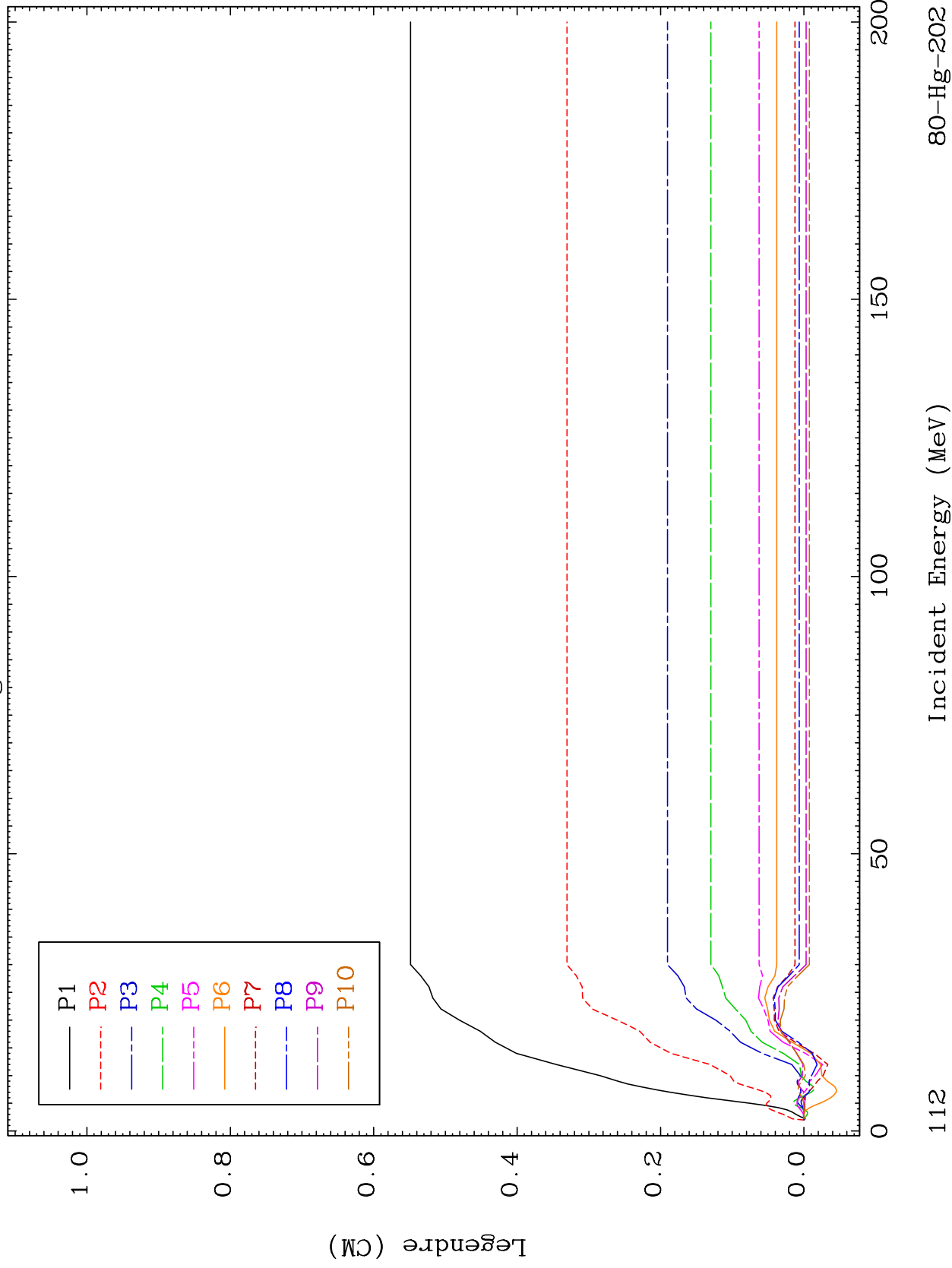
110



MAT 8043

1.959 MeV (n,n') Level
Legendre Coefficients

80-Hg-202



112

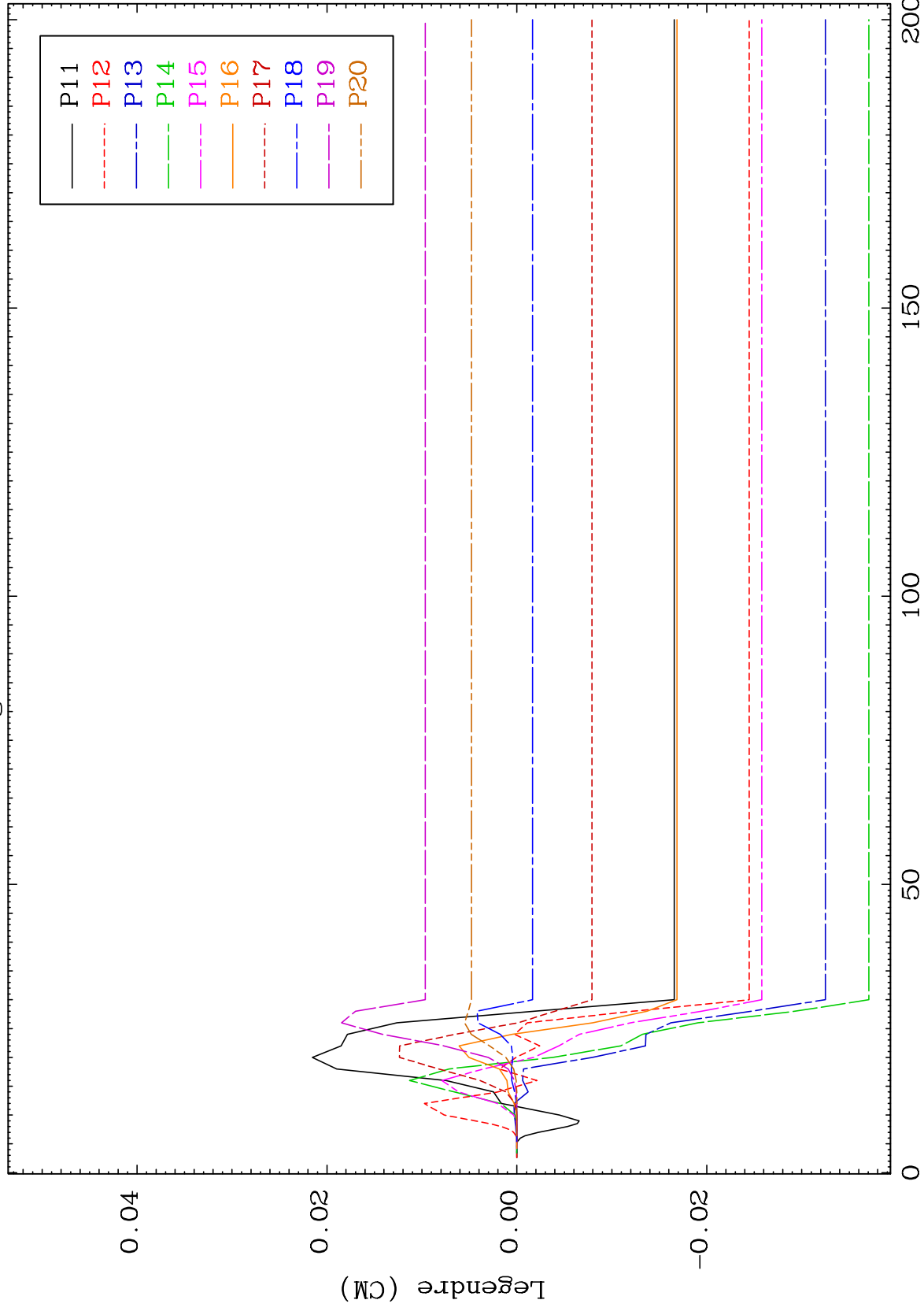
Incident Energy (MeV)

80-Hg-202

MAT 8043

1.959 MeV (n,n') Level
Legendre Coefficients

80-Hg-202



113

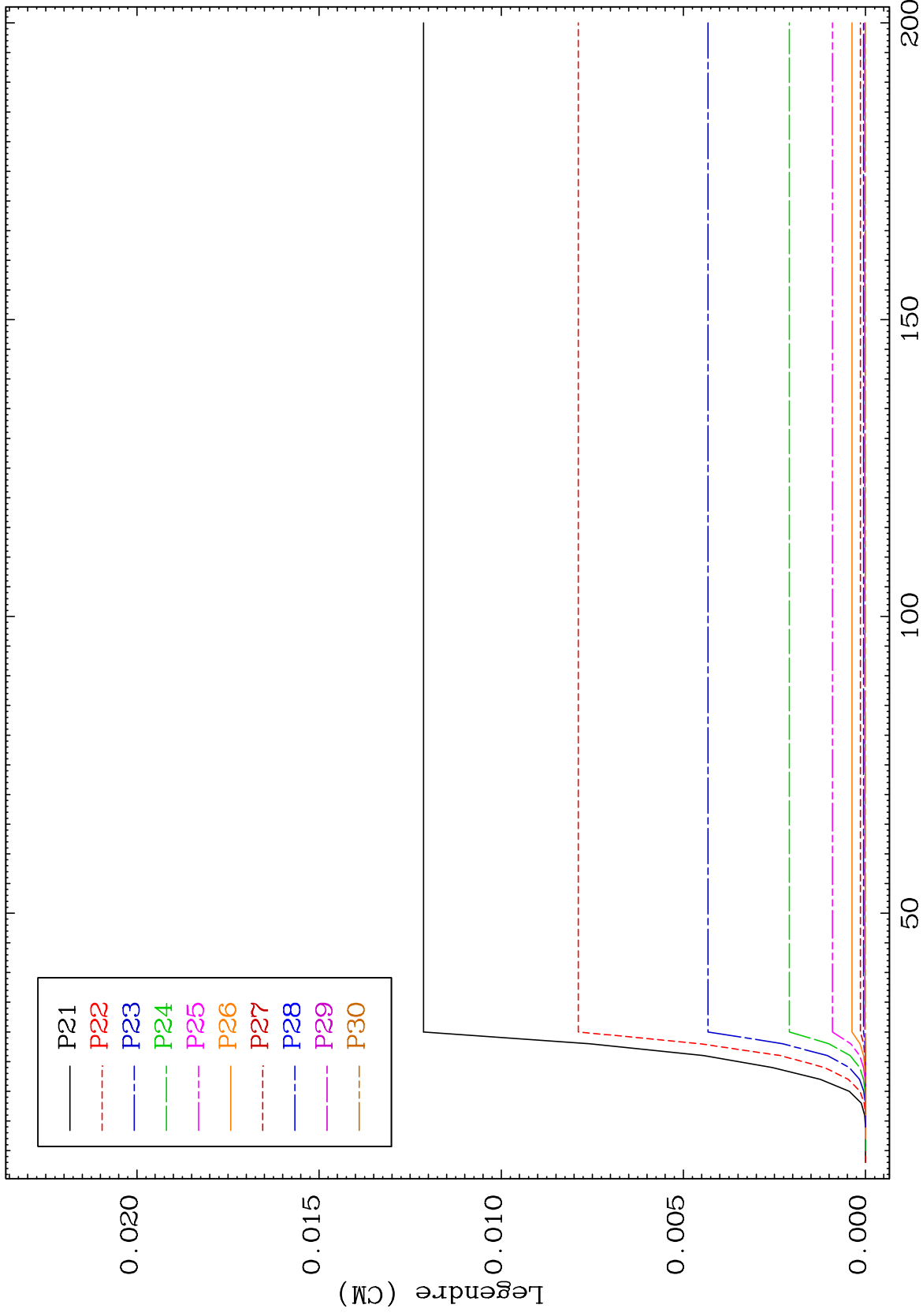
Incident Energy (MeV)

80-Hg-202

MAT 8043

1.959 MeV (n,n') Level
Legendre Coefficients

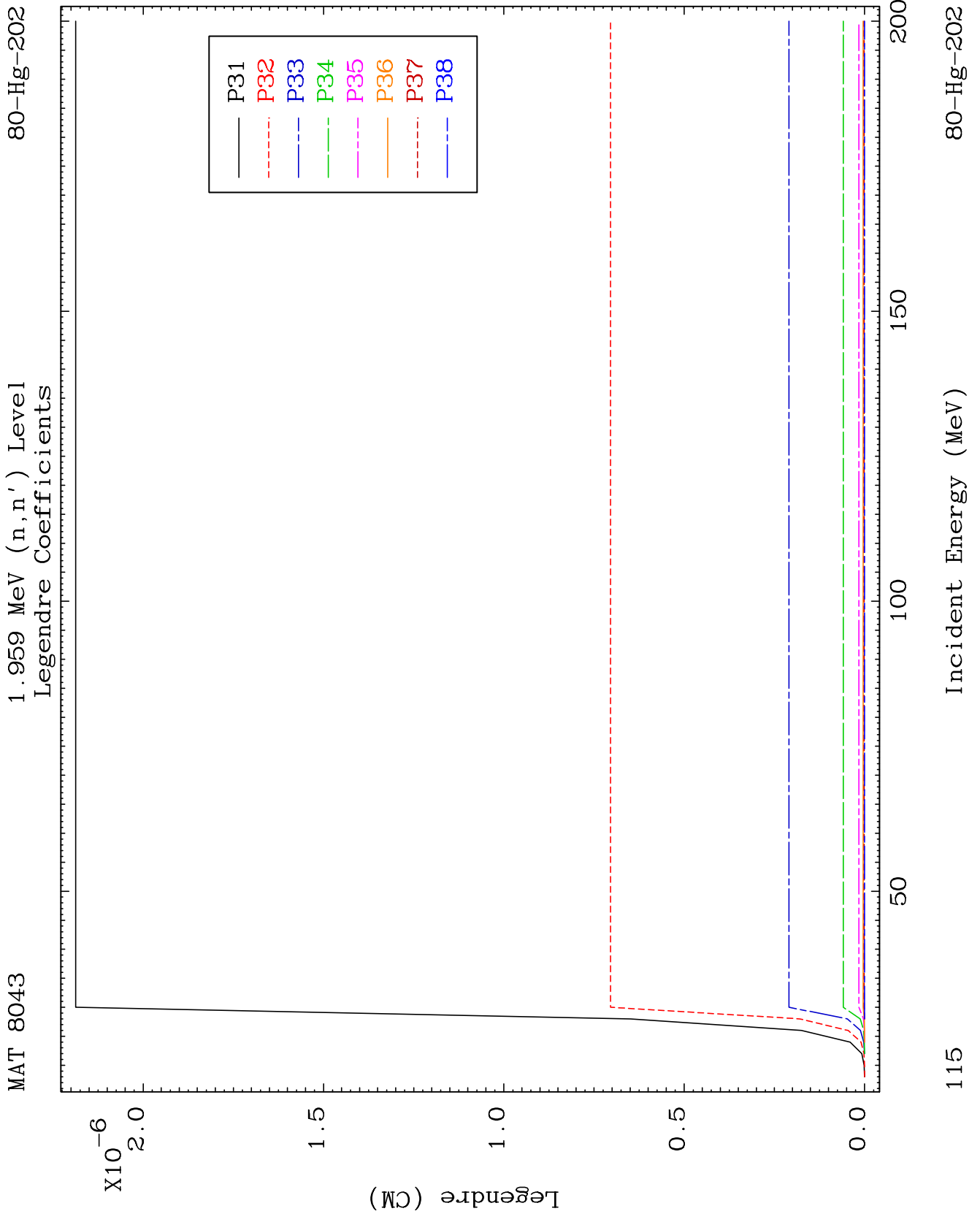
80-Hg-202

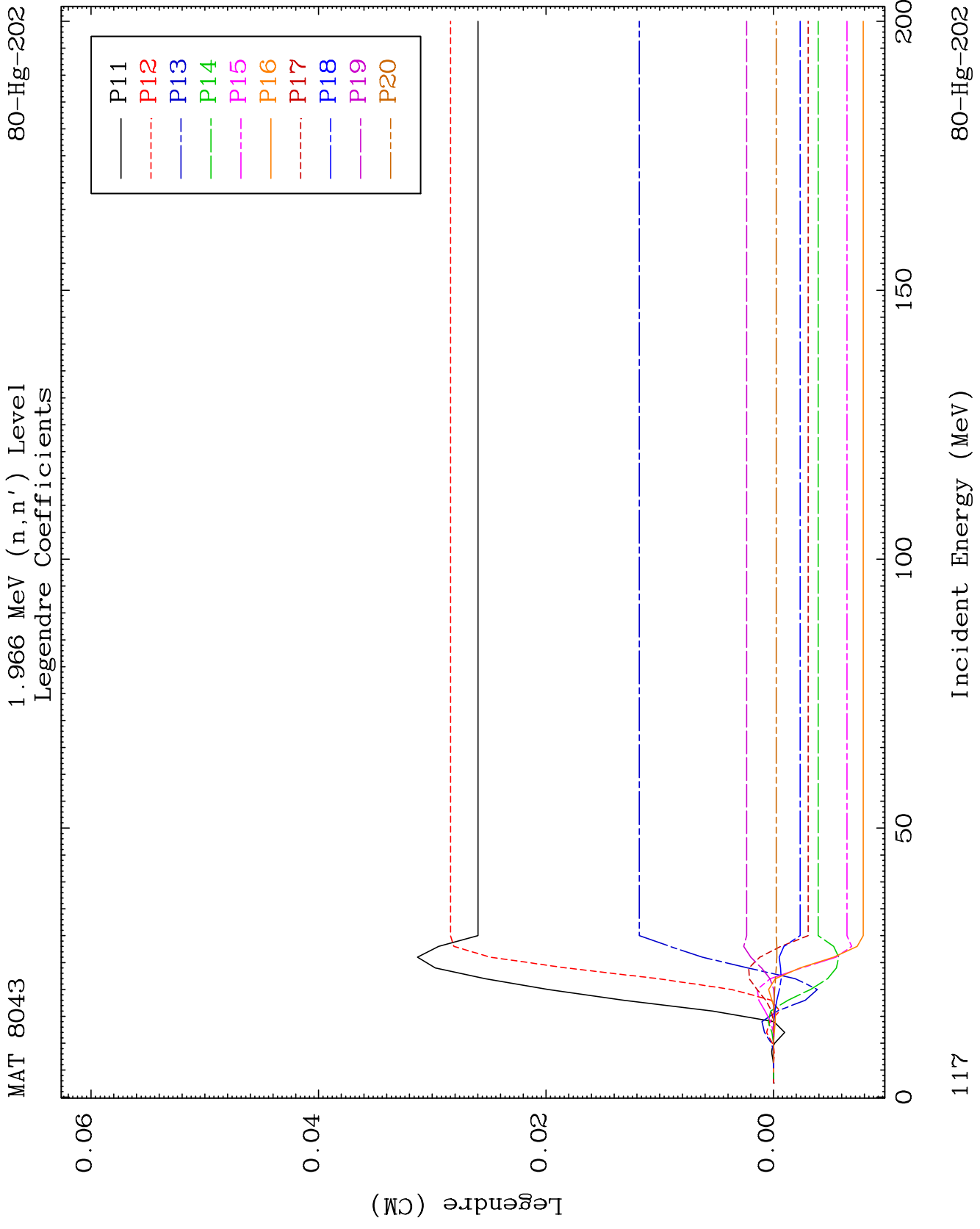


114

Incident Energy (MeV)

80-Hg-202

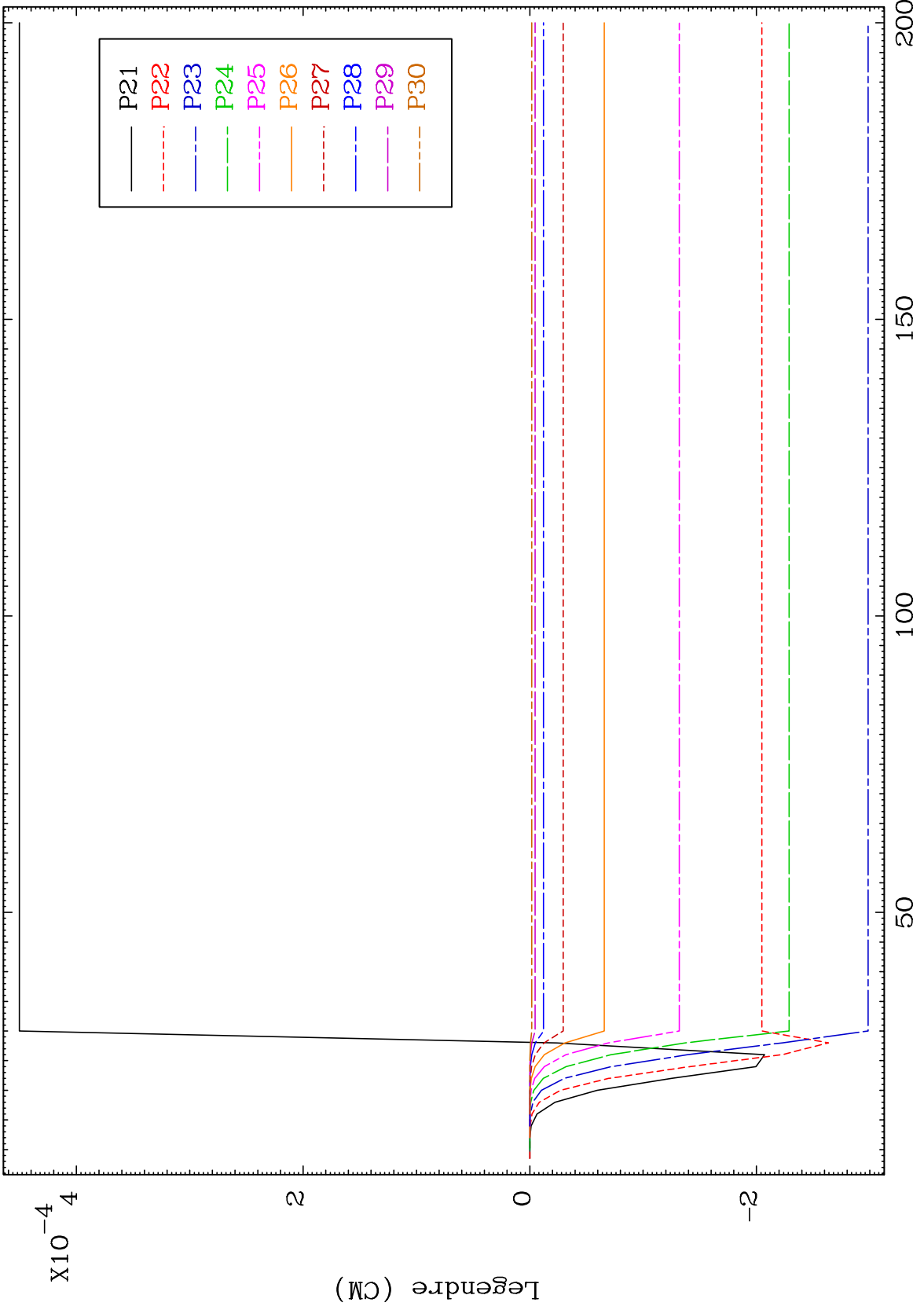




MAT 8043

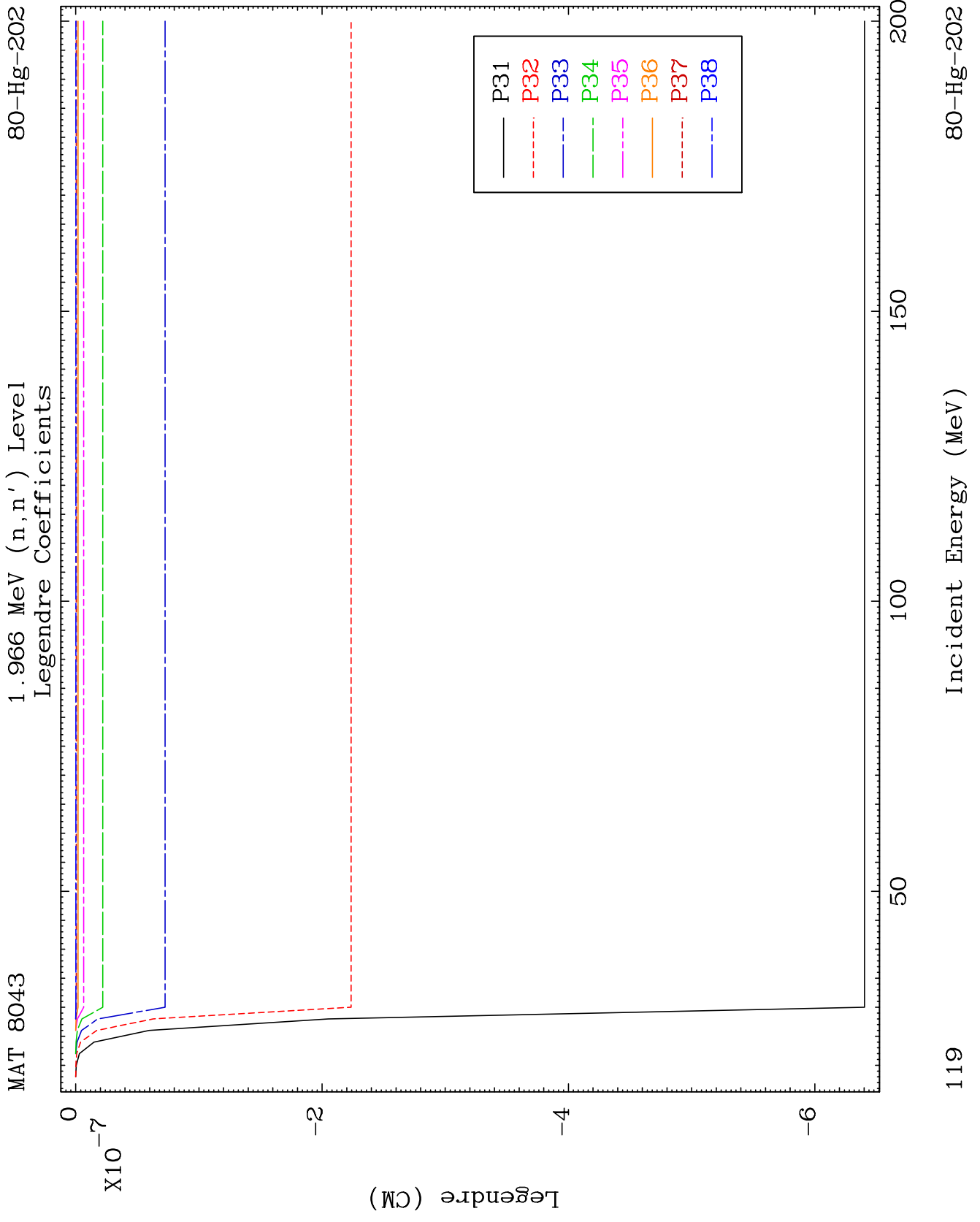
1.966 MeV (n,n') Level
Legendre Coefficients

80-Hg-202



118

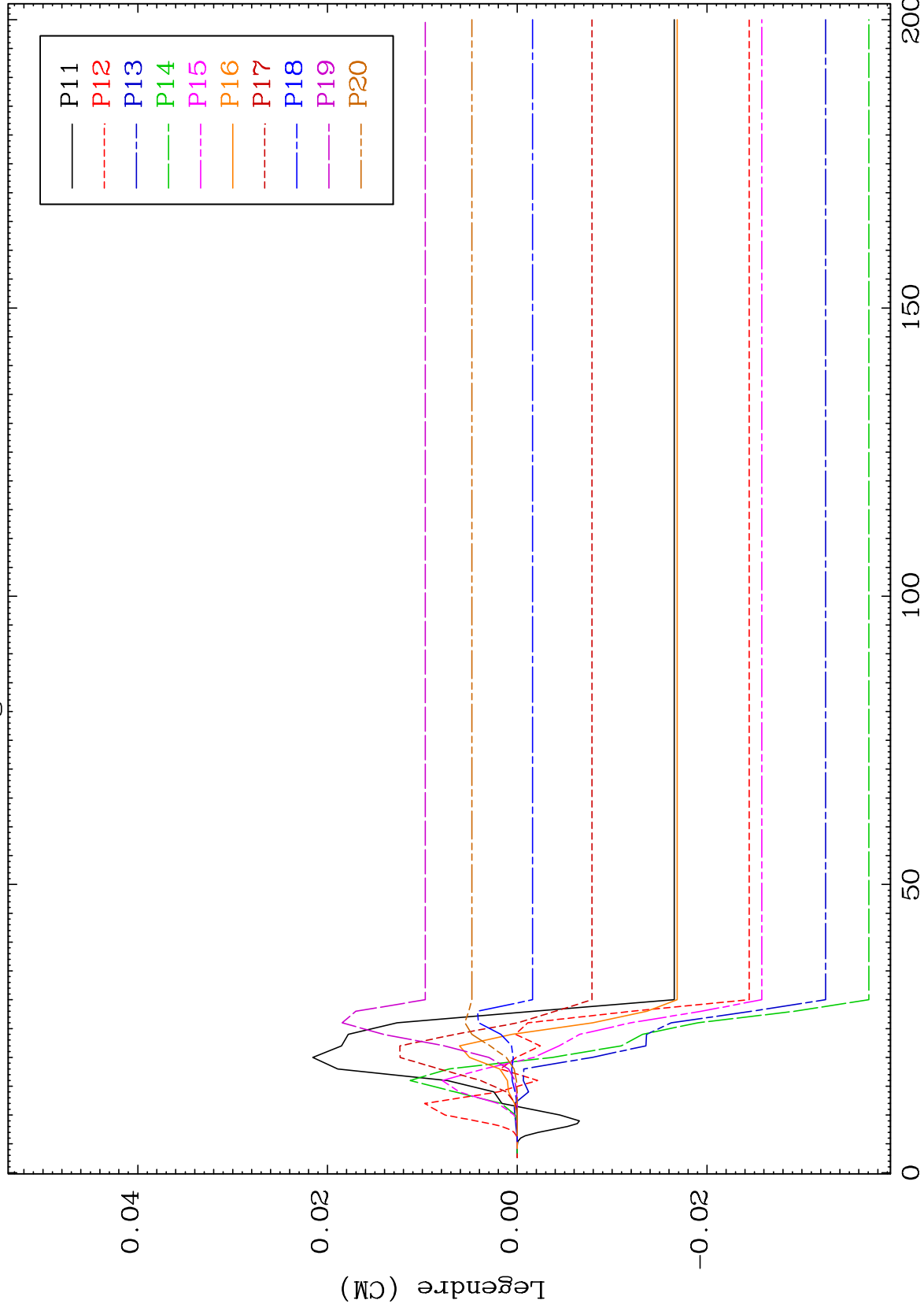
80-Hg-202



MAT 8043

1.977 MeV (n,n') Level
Legendre Coefficients

80-Hg-202



121

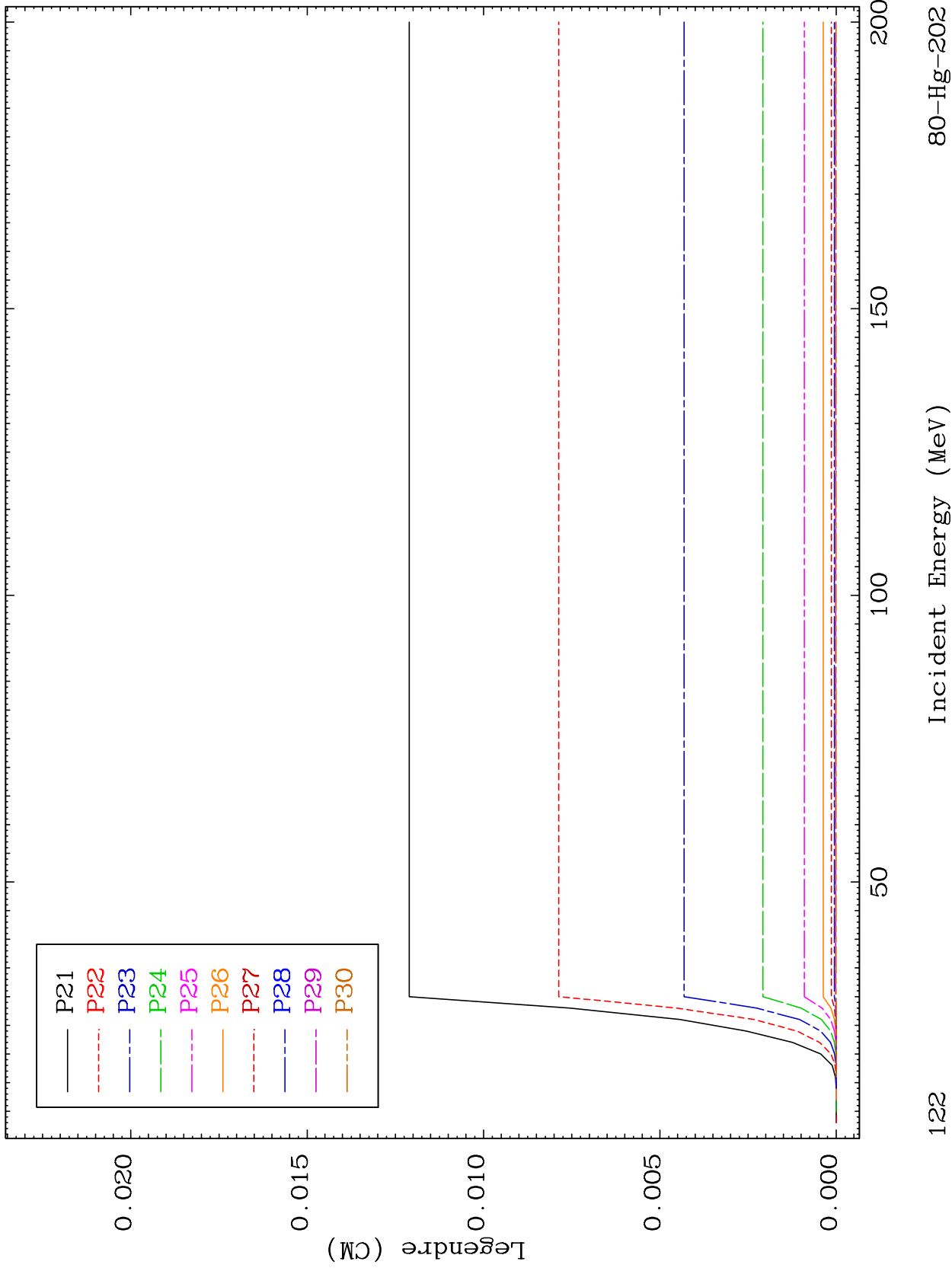
Incident Energy (MeV)

80-Hg-202

MAT 8043

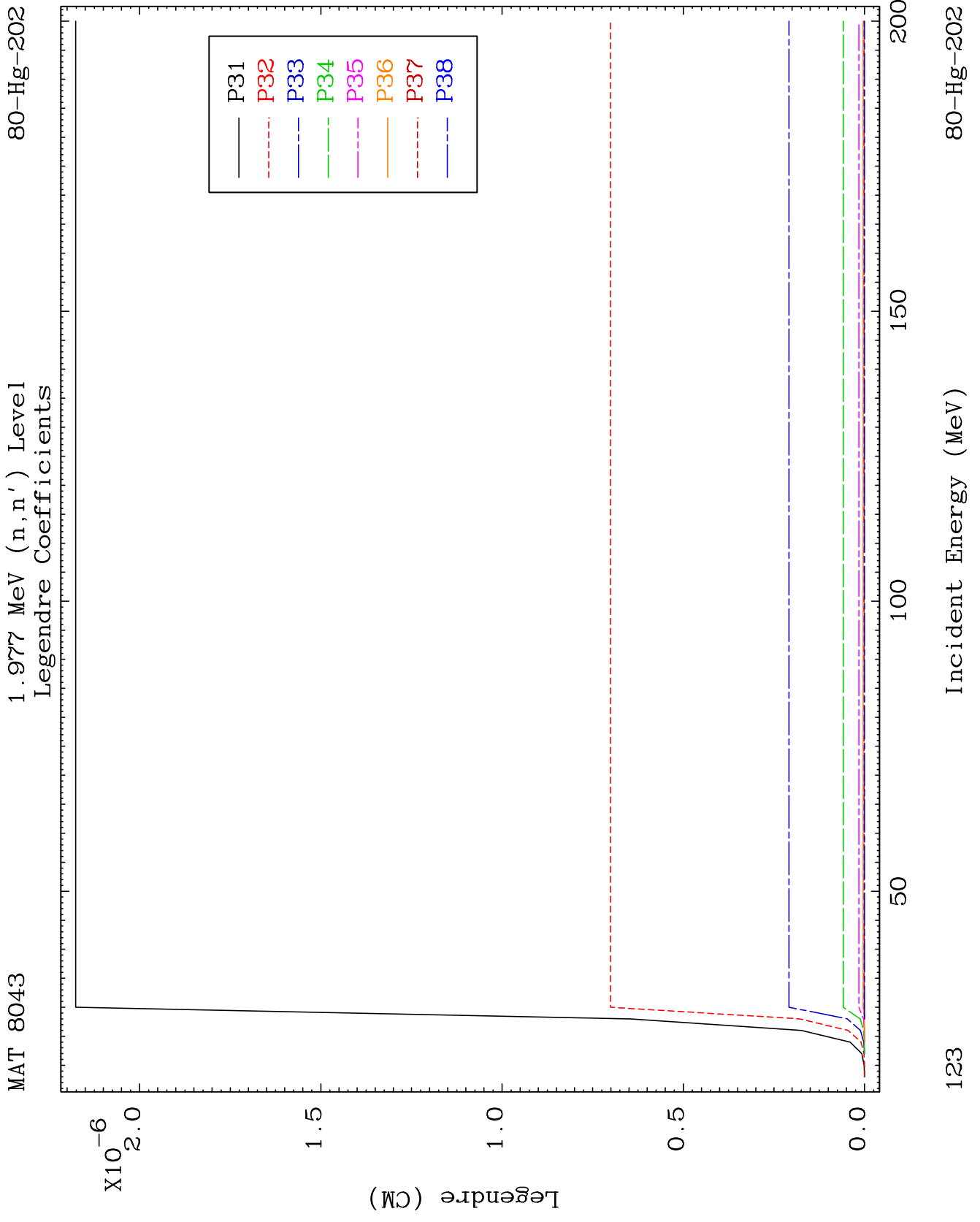
1.977 MeV (n,n') Level
Legendre Coefficients

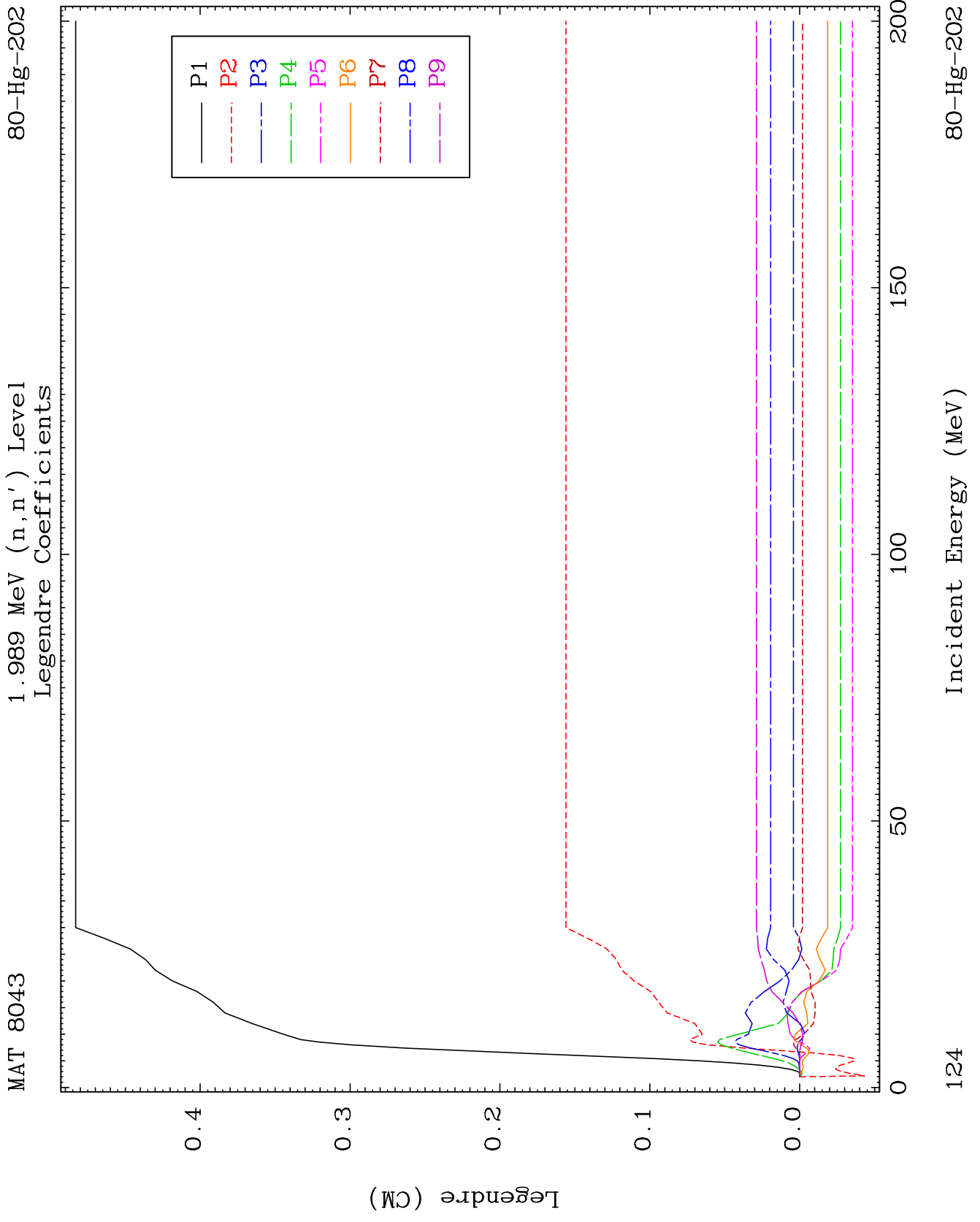
80-Hg-202



122

80-Hg-202

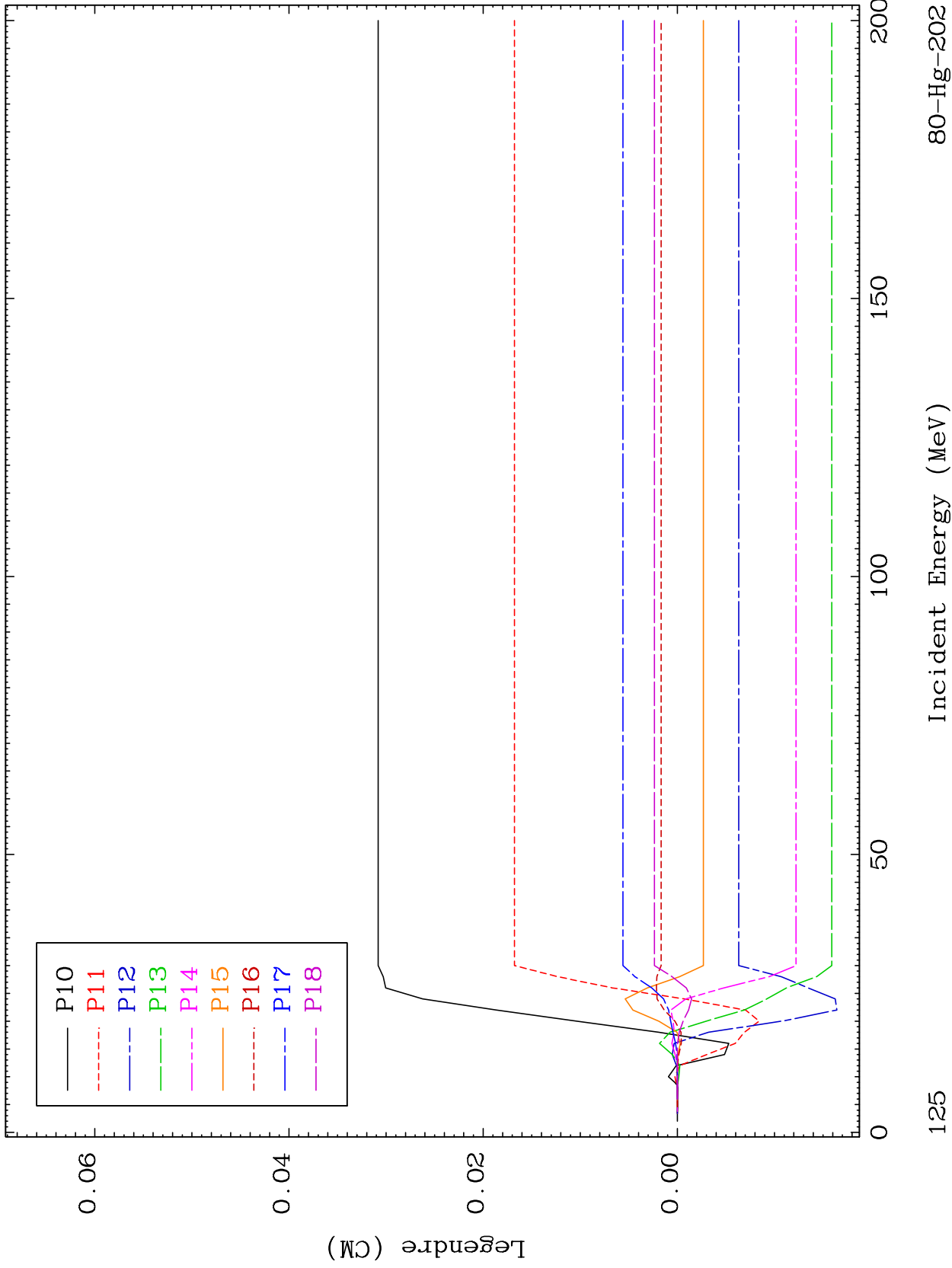




MAT 8043

1.989 MeV (n,n') Level
Legendre Coefficients

80-Hg-202



80-Hg-202

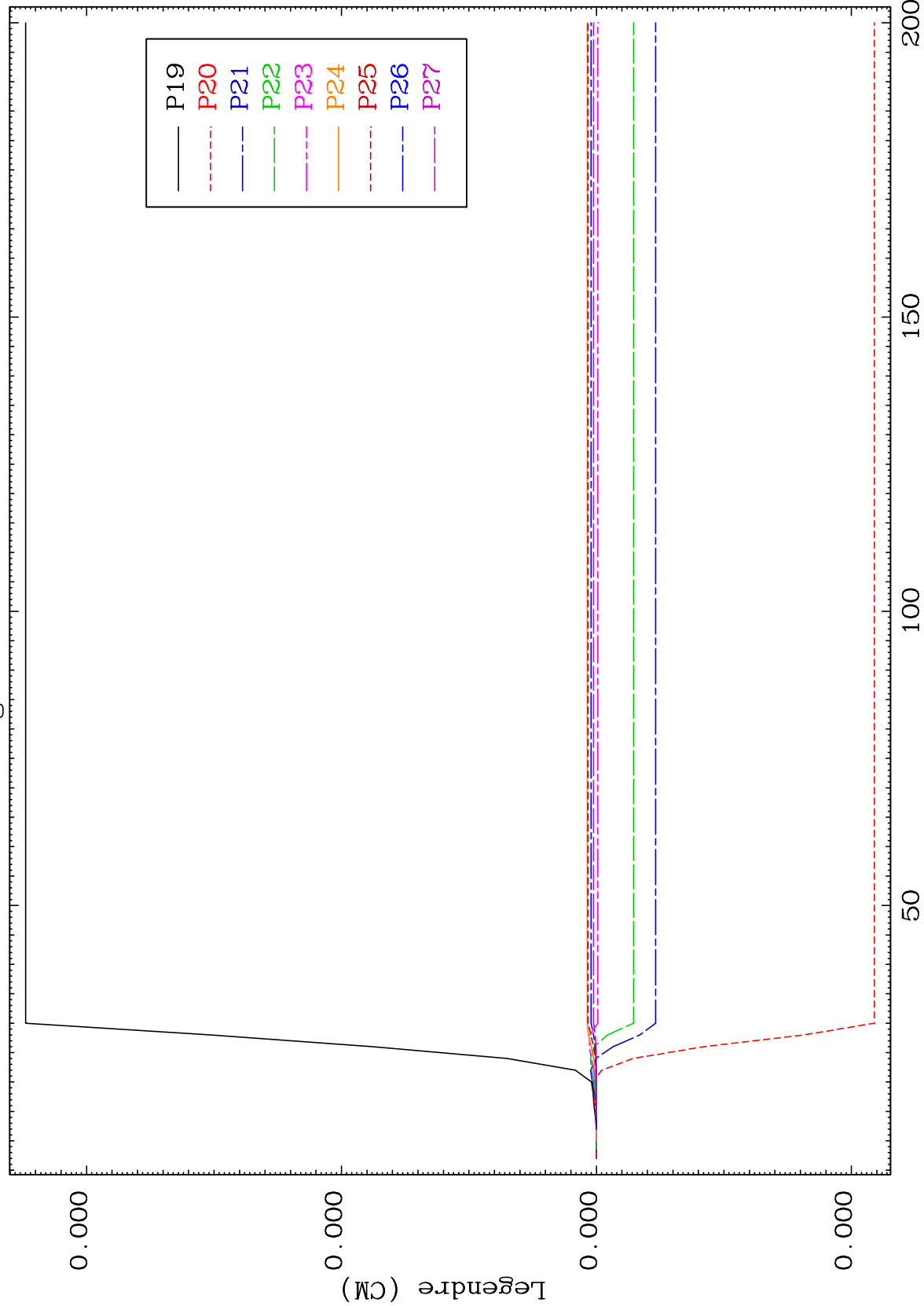
Incident Energy (MeV)

125

MAT 8043

1.989 MeV (n,n') Level
Legendre Coefficients

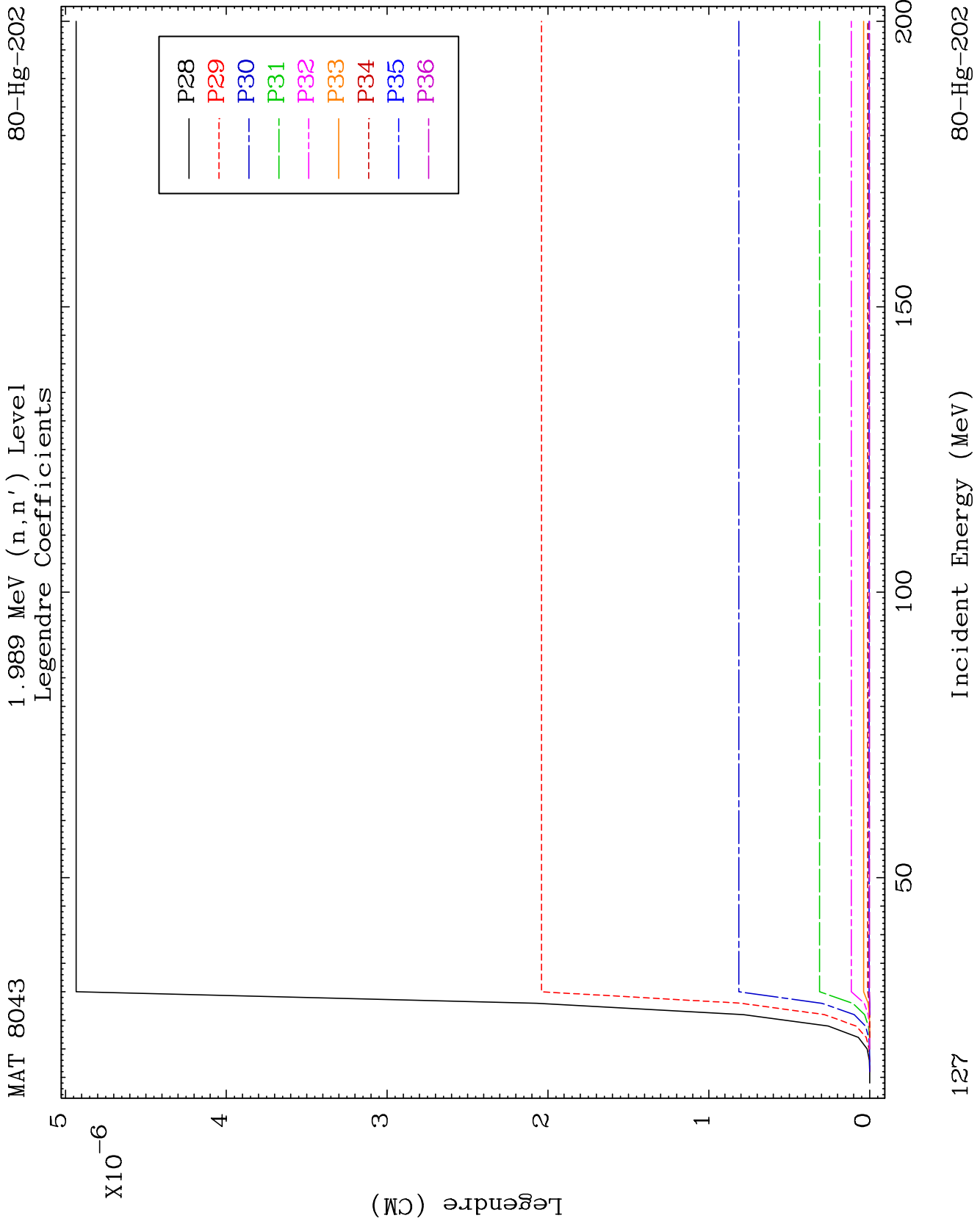
80-Hg-202

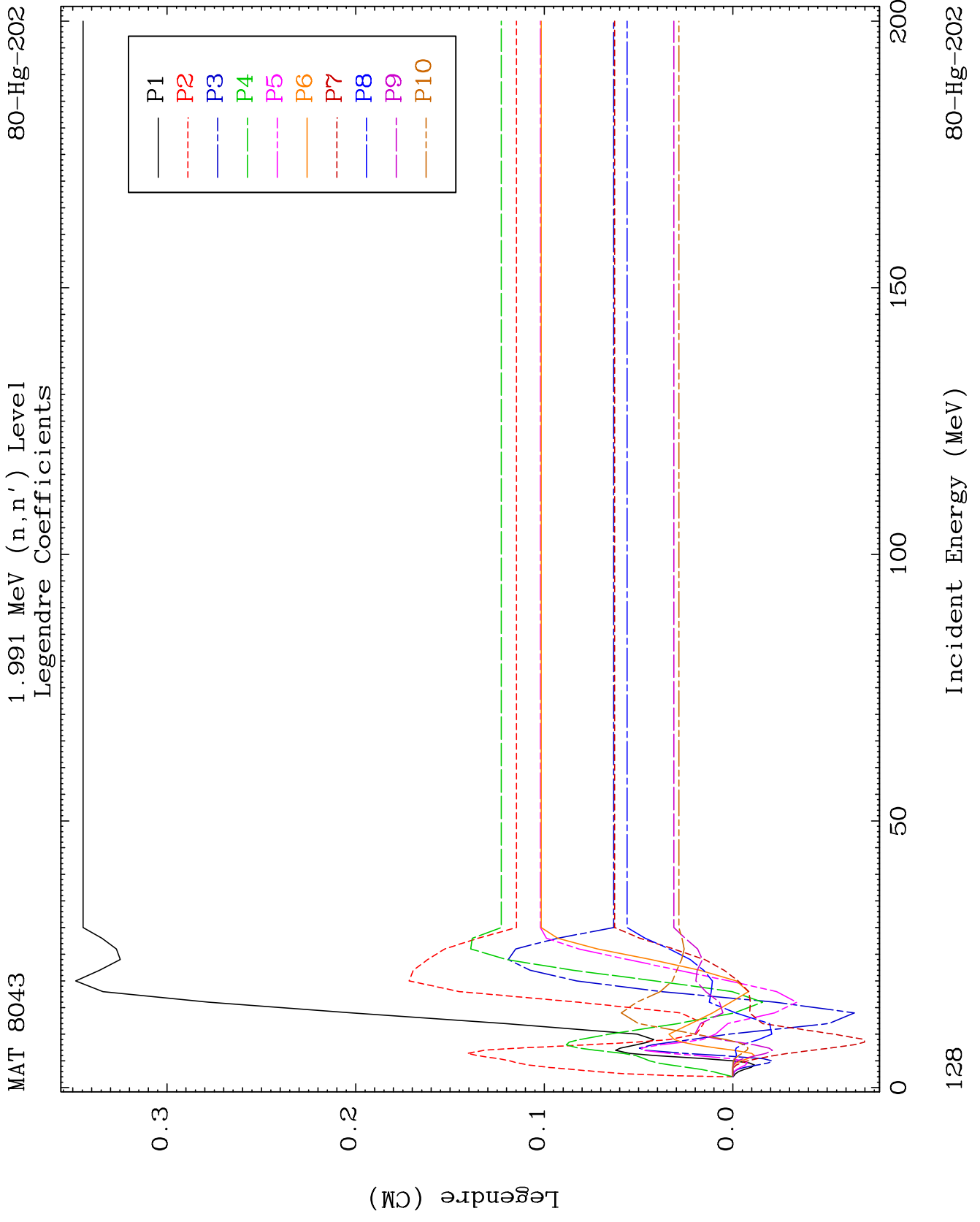


126

Incident Energy (MeV)

80-Hg-202

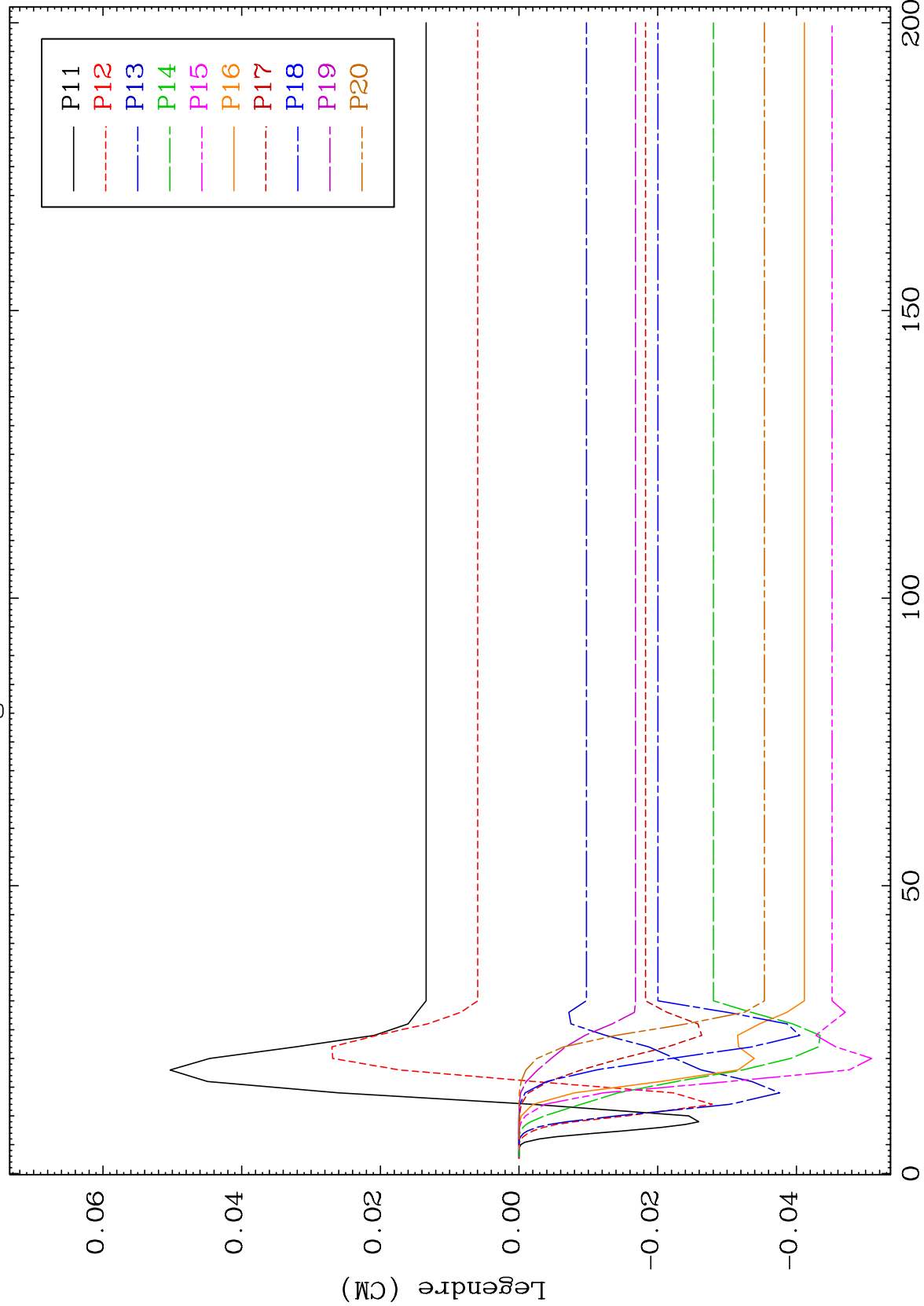




MAT 8043

1.991 MeV (n,n') Level
Legendre Coefficients

80-Hg-202



129

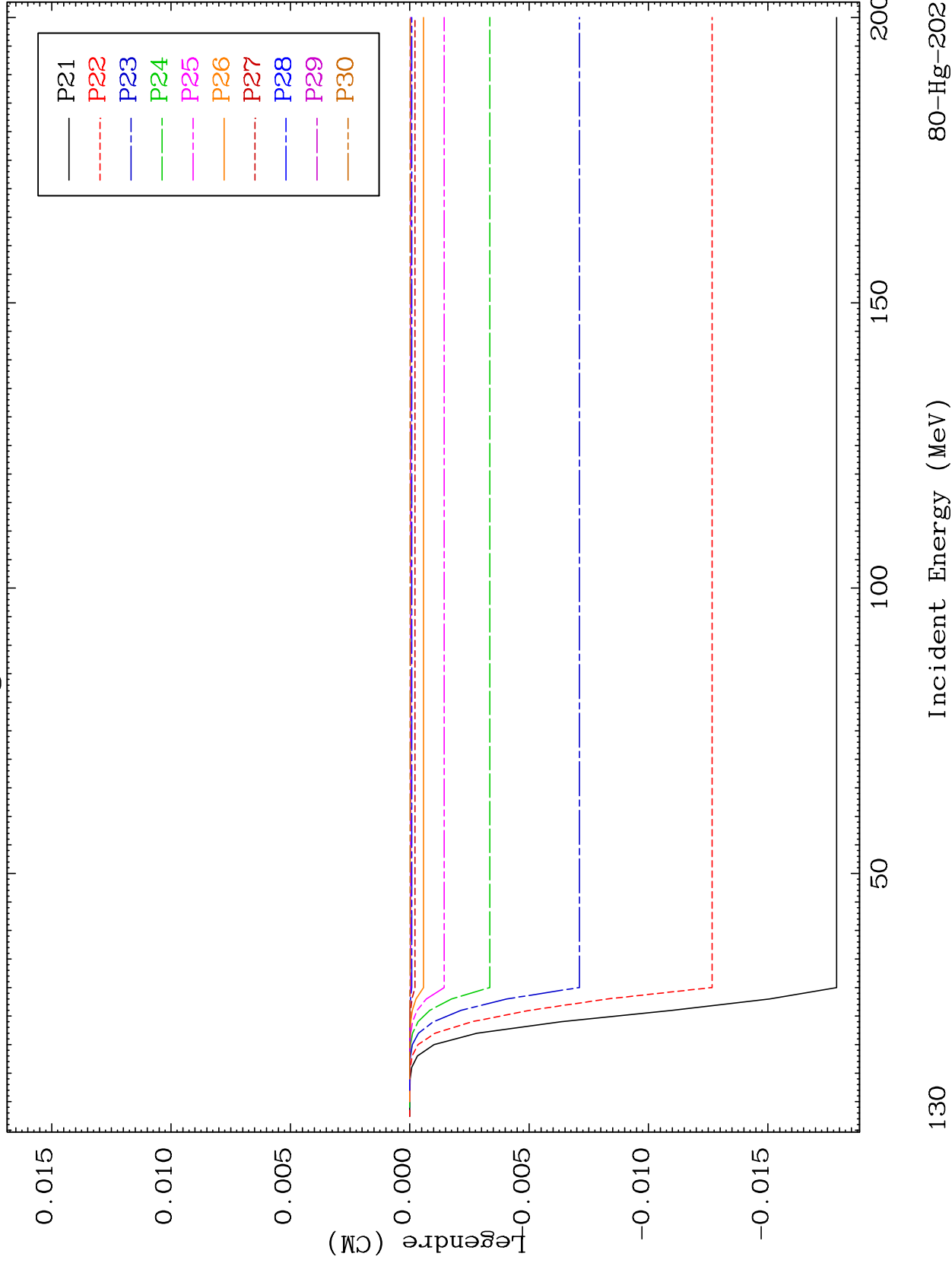
Incident Energy (MeV)

80-Hg-202

MAT 8043

1.991 MeV (n,n') Level
Legendre Coefficients

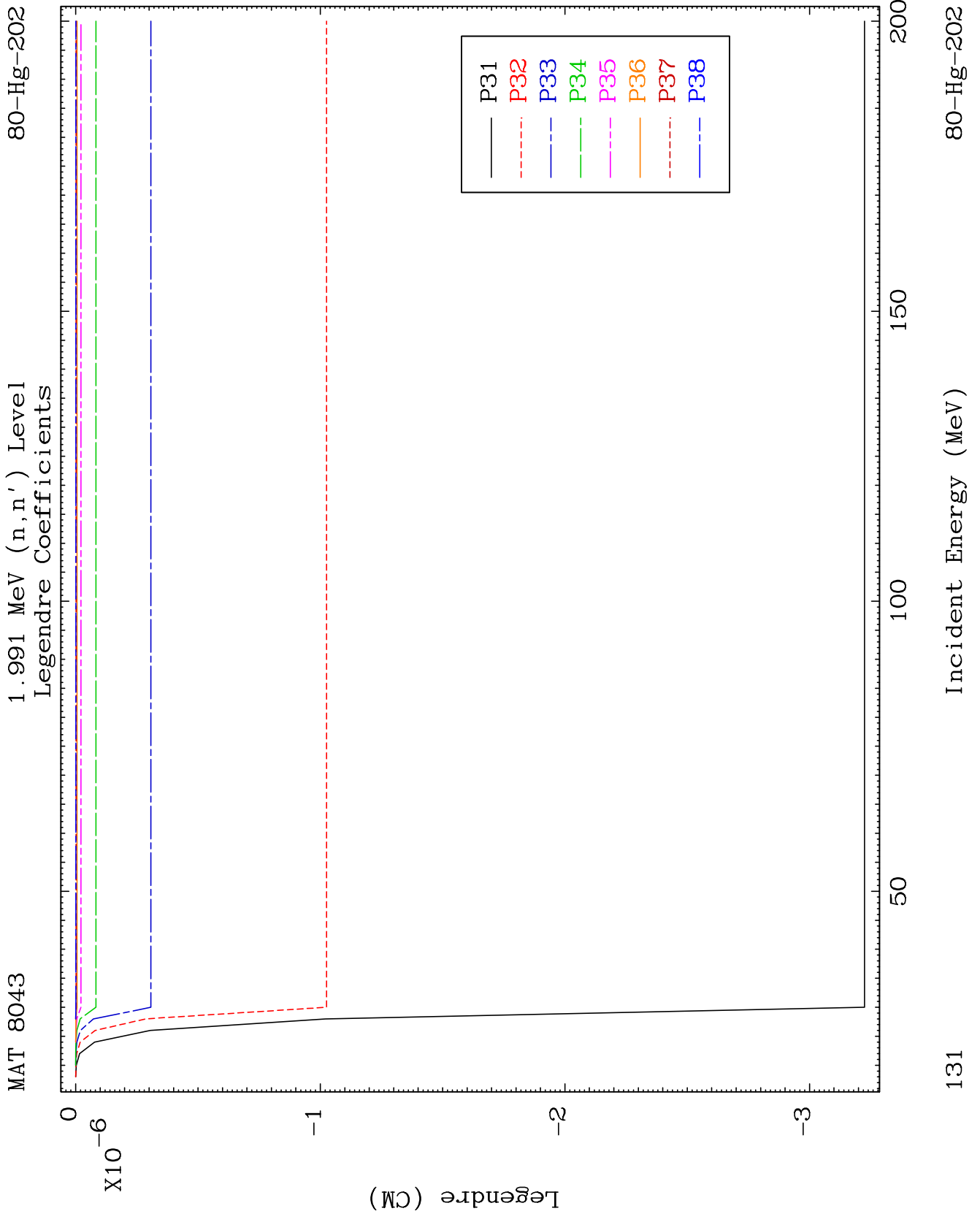
80-Hg-202



130

Incident Energy (MeV)

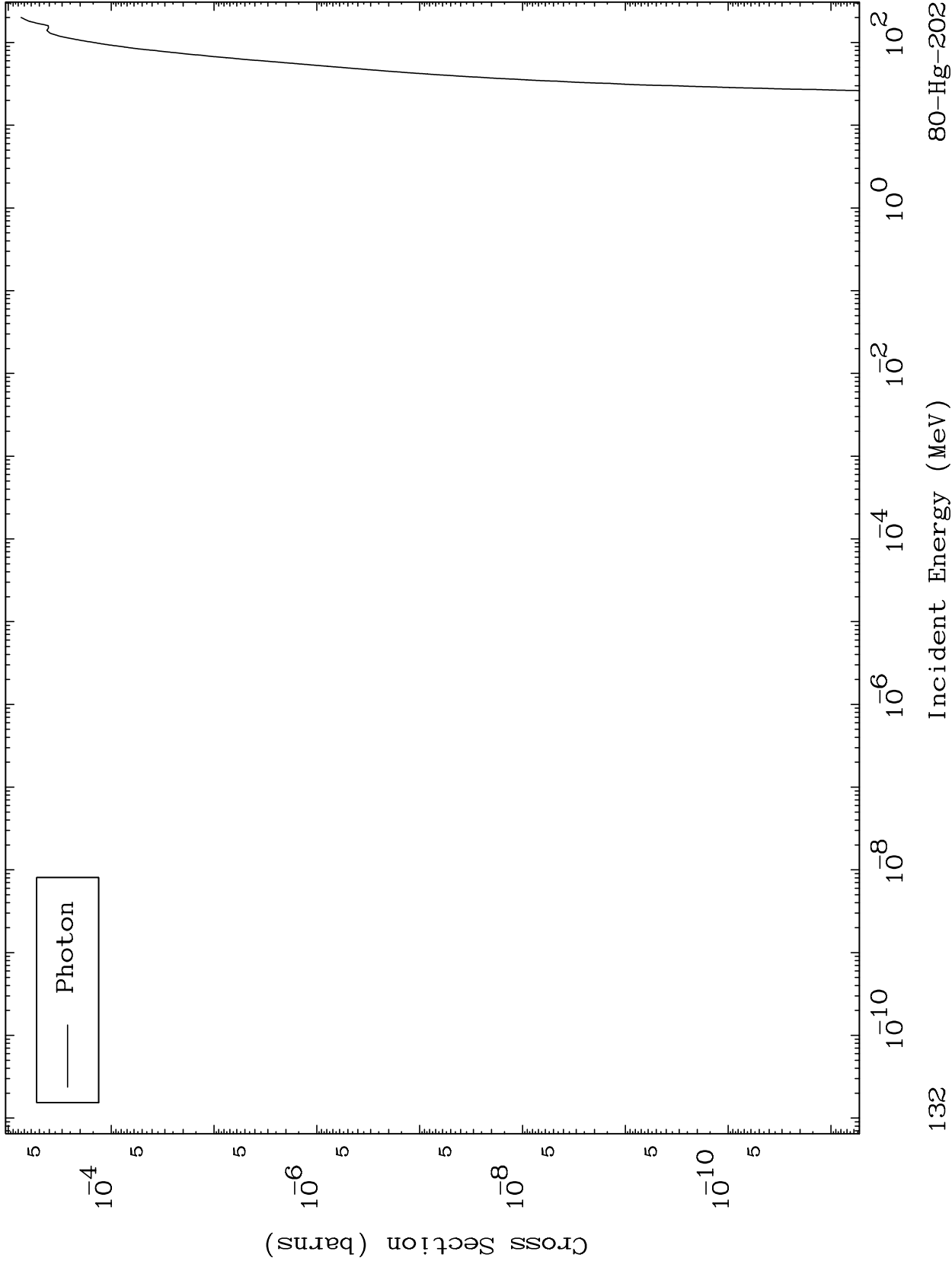
80-Hg-202



MAT 8043

Fission
Radionuclide Production Cross Section

80-Hg-202

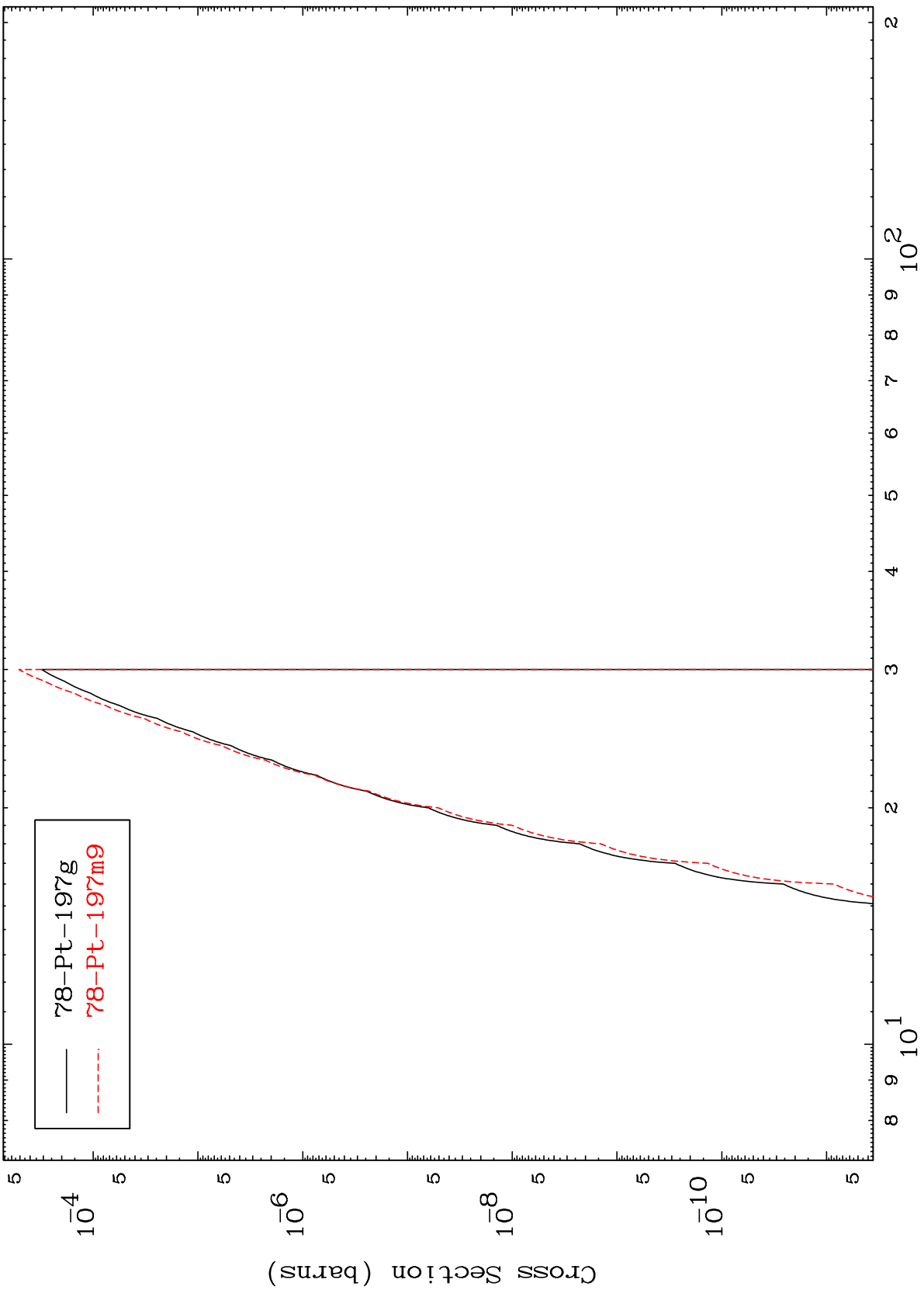


MAT 8043

(n,2n) α

80-Hg-202

Radionuclide Production Cross Section



78-Pt-197g
78-Pt-197m9

133

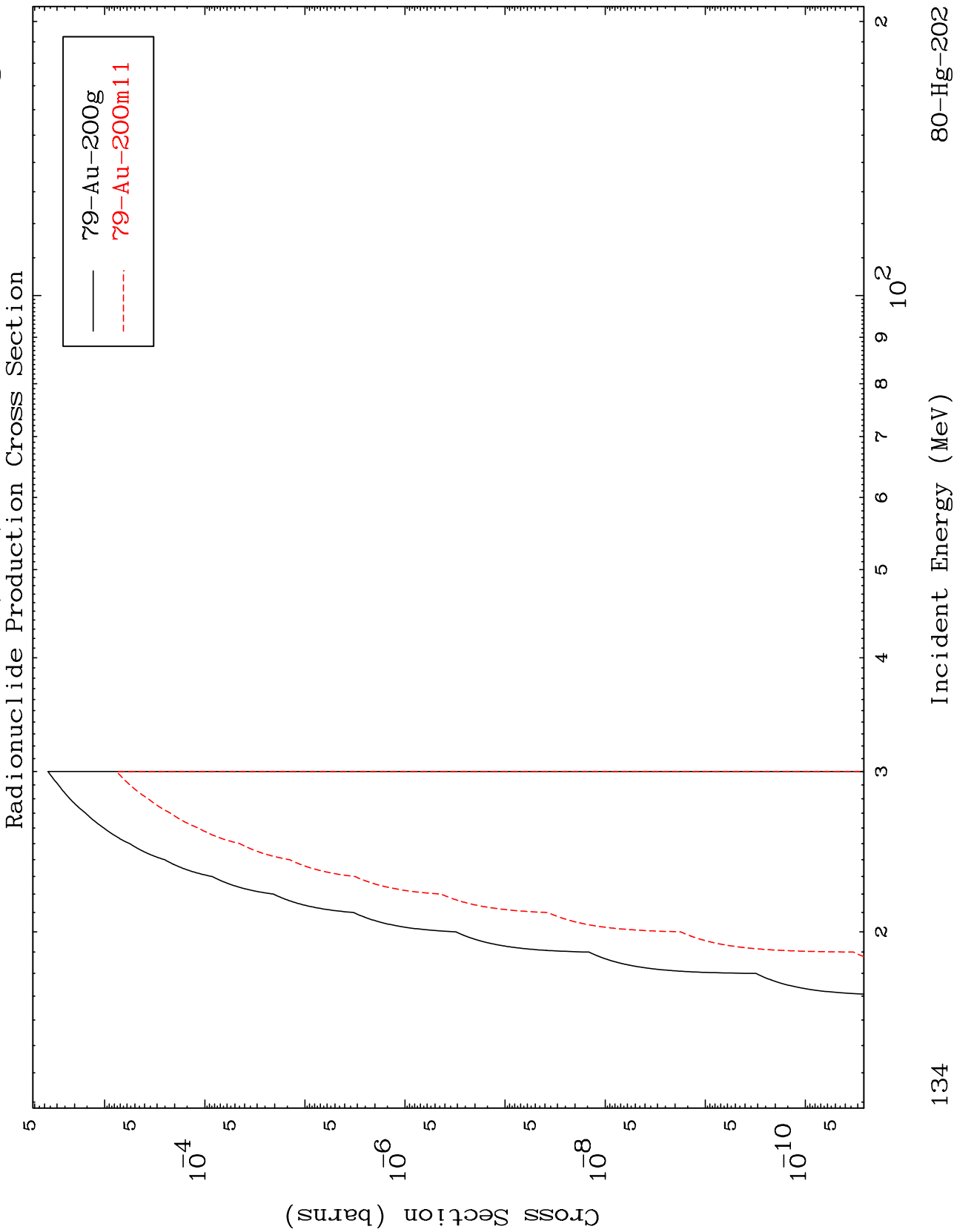
Incident Energy (MeV)

80-Hg-202

MAT 8043

(n,n') d

80-Hg-202



134

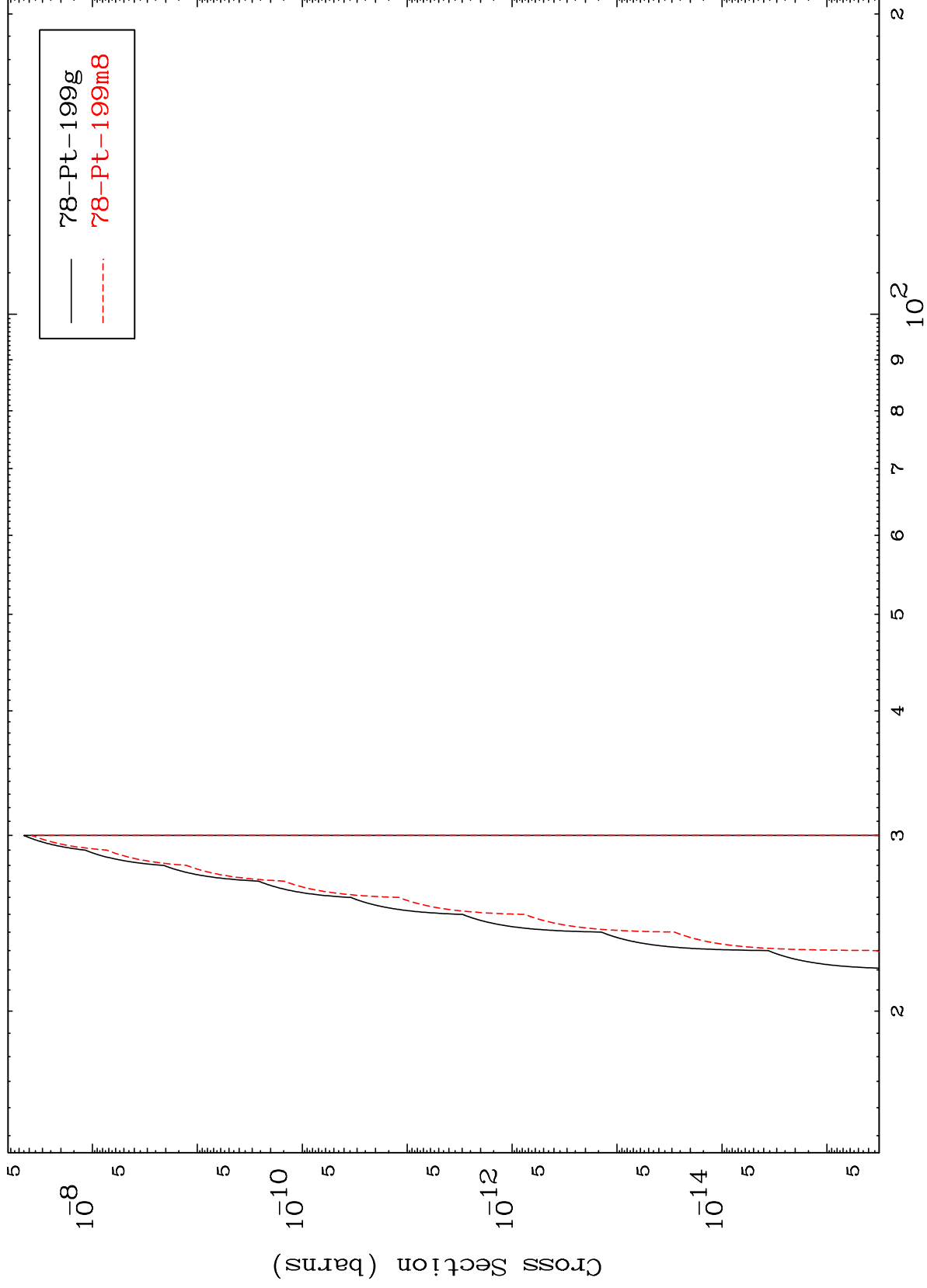
80-Hg-202

MAT 8043

(n,n') He-3

80-Hg-202

Radionuclide Production Cross Section



135

Incident Energy (MeV)

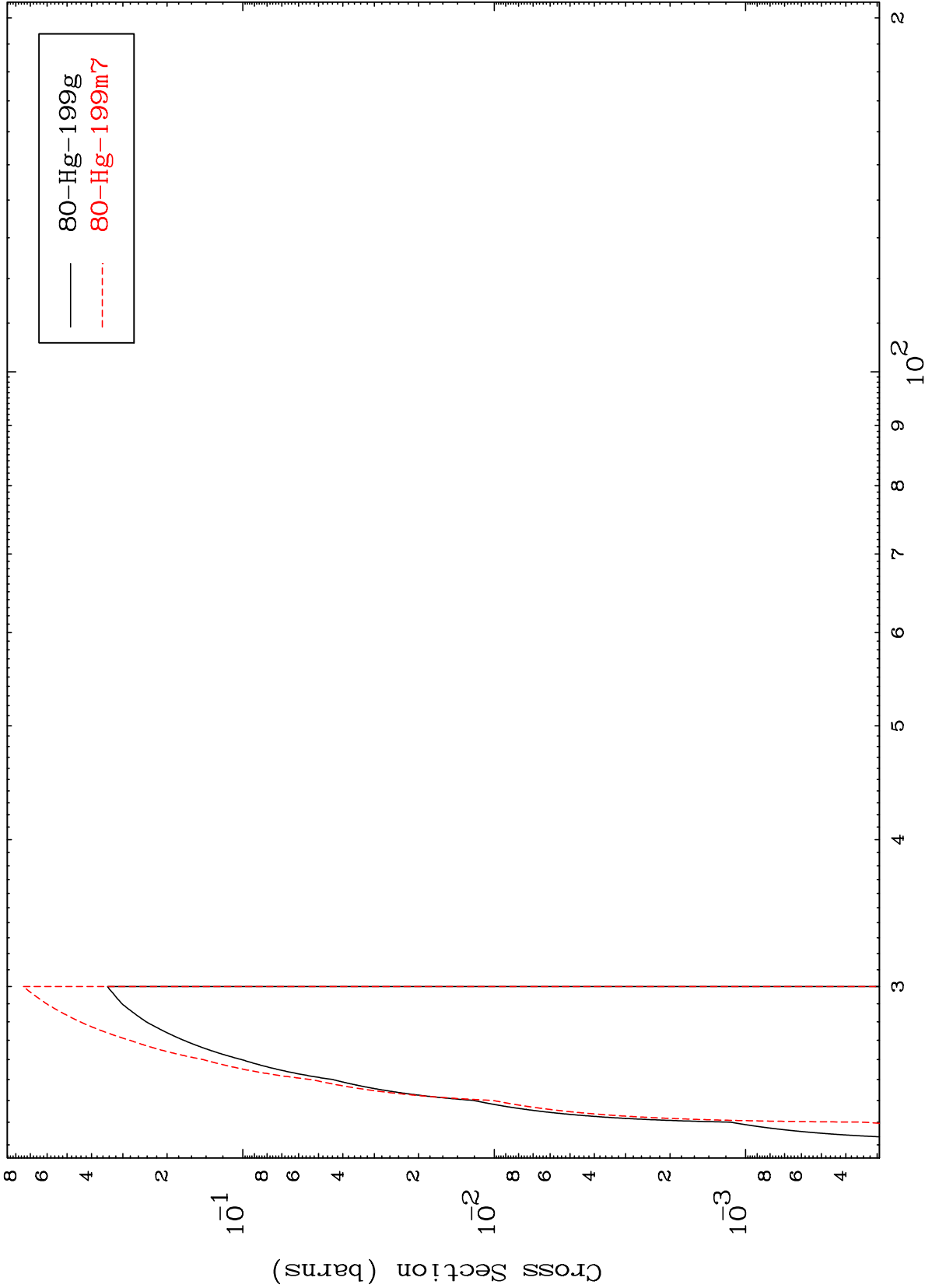
80-Hg-202

MAT 8043

(n,4n)

80-Hg-202

Radionuclide Production Cross Section



136

Incident Energy (MeV)

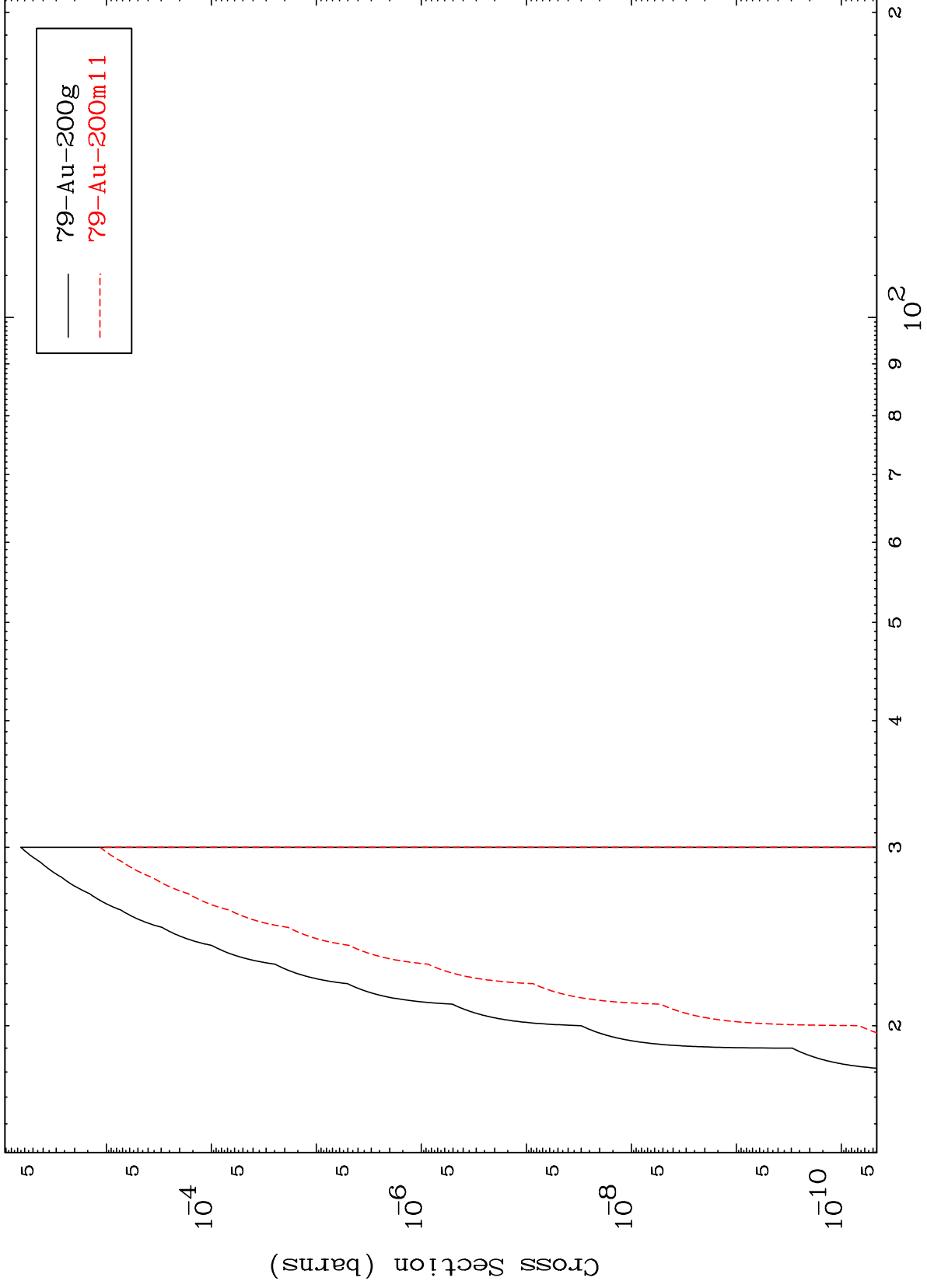
80-Hg-202

MAT 8043

(n,2n) p

80-Hg-202

Radionuclide Production Cross Section



137

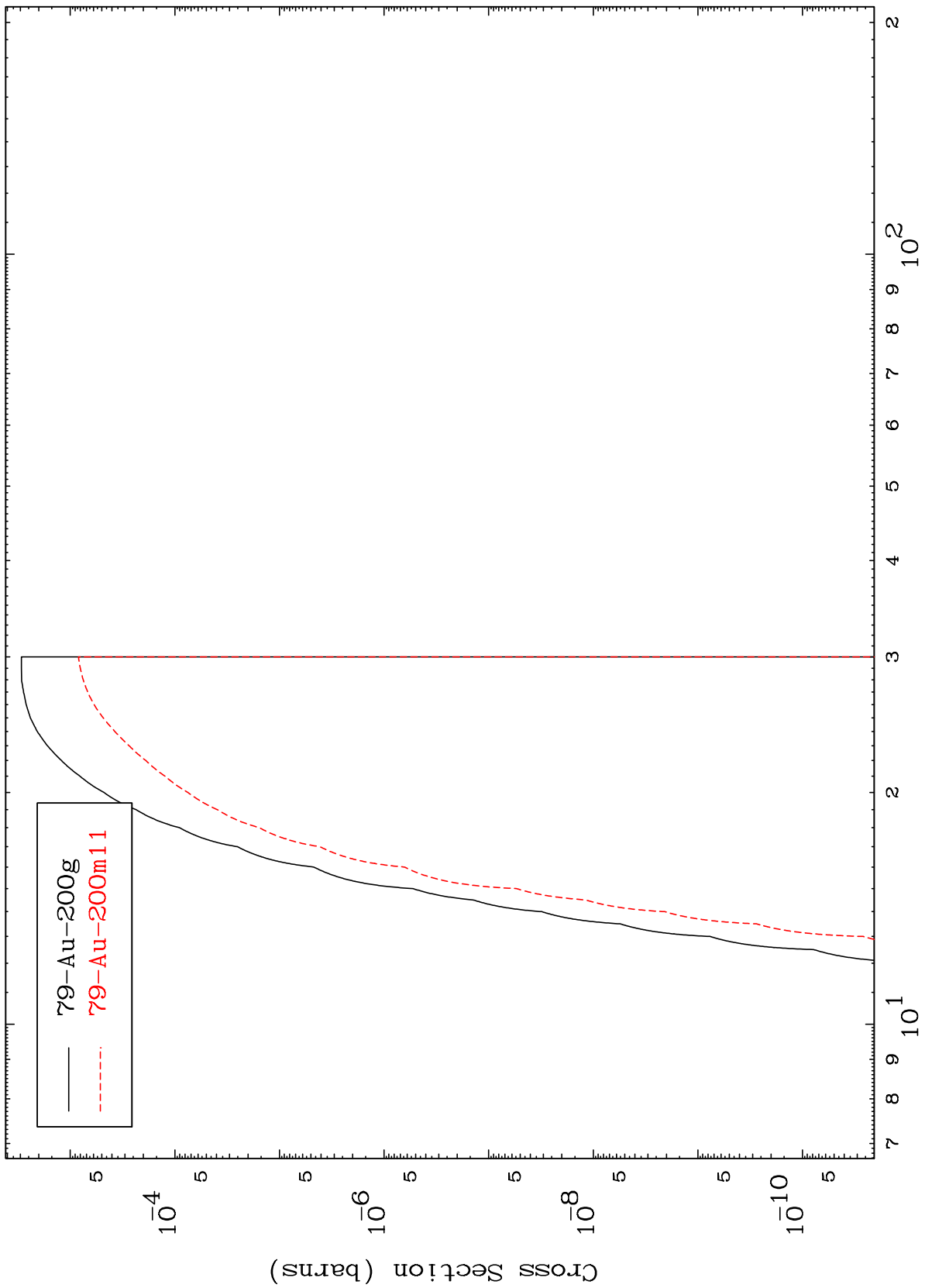
Incident Energy (MeV)

80-Hg-202

MAT 8043

80-Hg-202

(n, t)
Radionuclide Production Cross Section



138

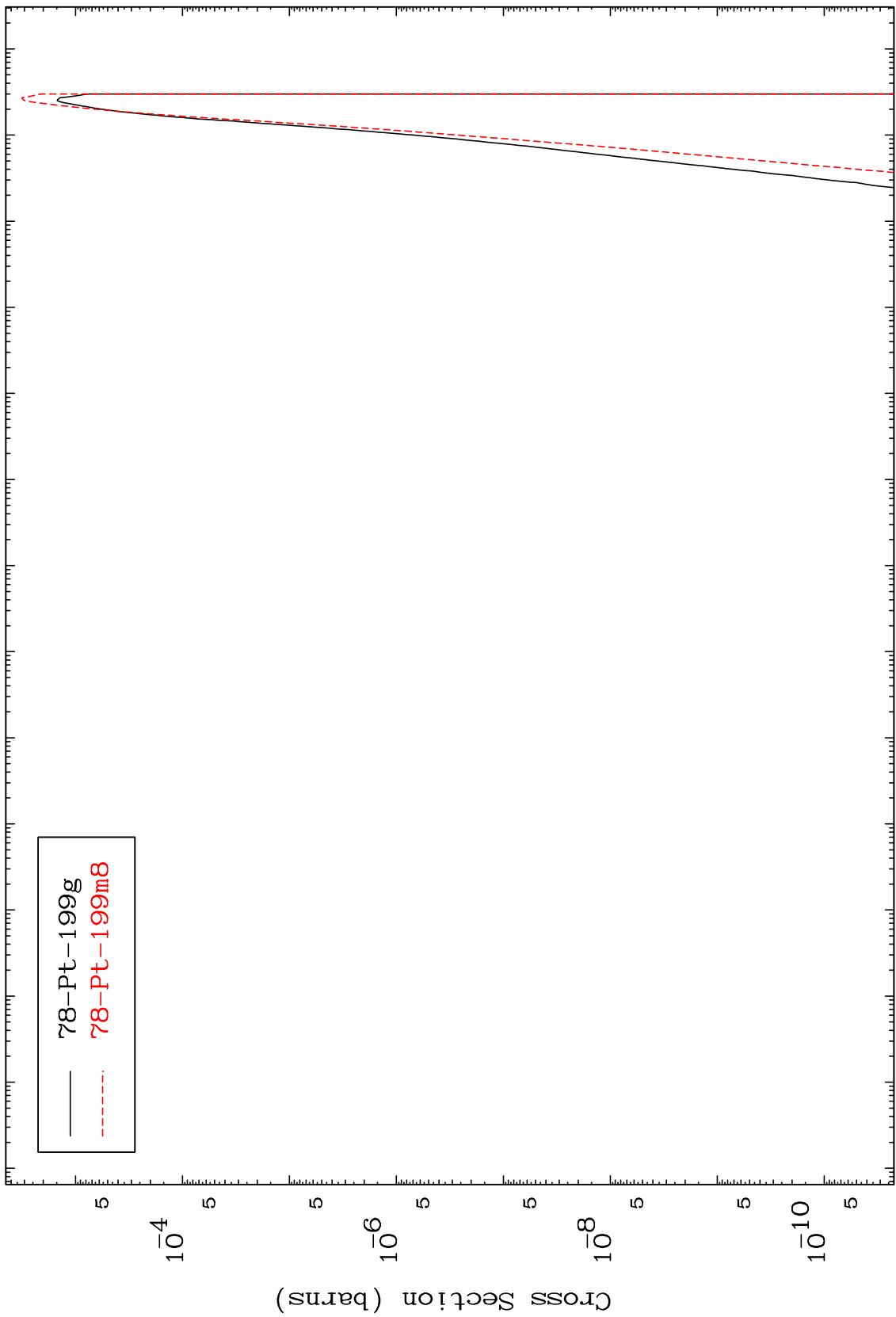
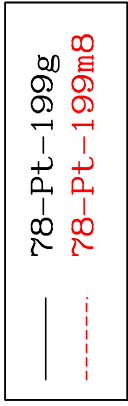
Incident Energy (MeV)

80-Hg-202

MAT 8043

80-Hg-202

Radionuclide Production Cross Section



Incident Energy (MeV)