

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

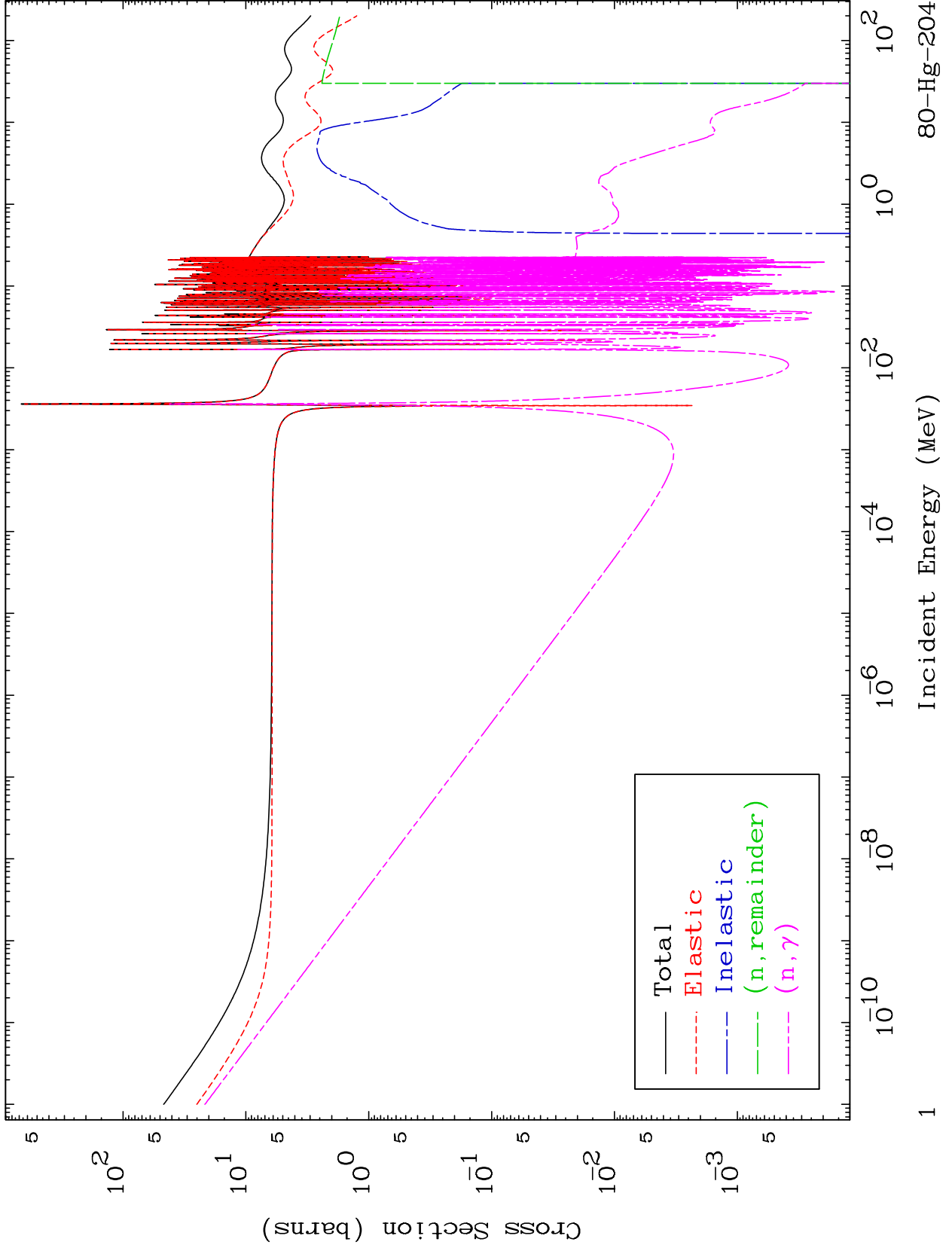
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 8049

Major
293 Kelvin Cross Sections

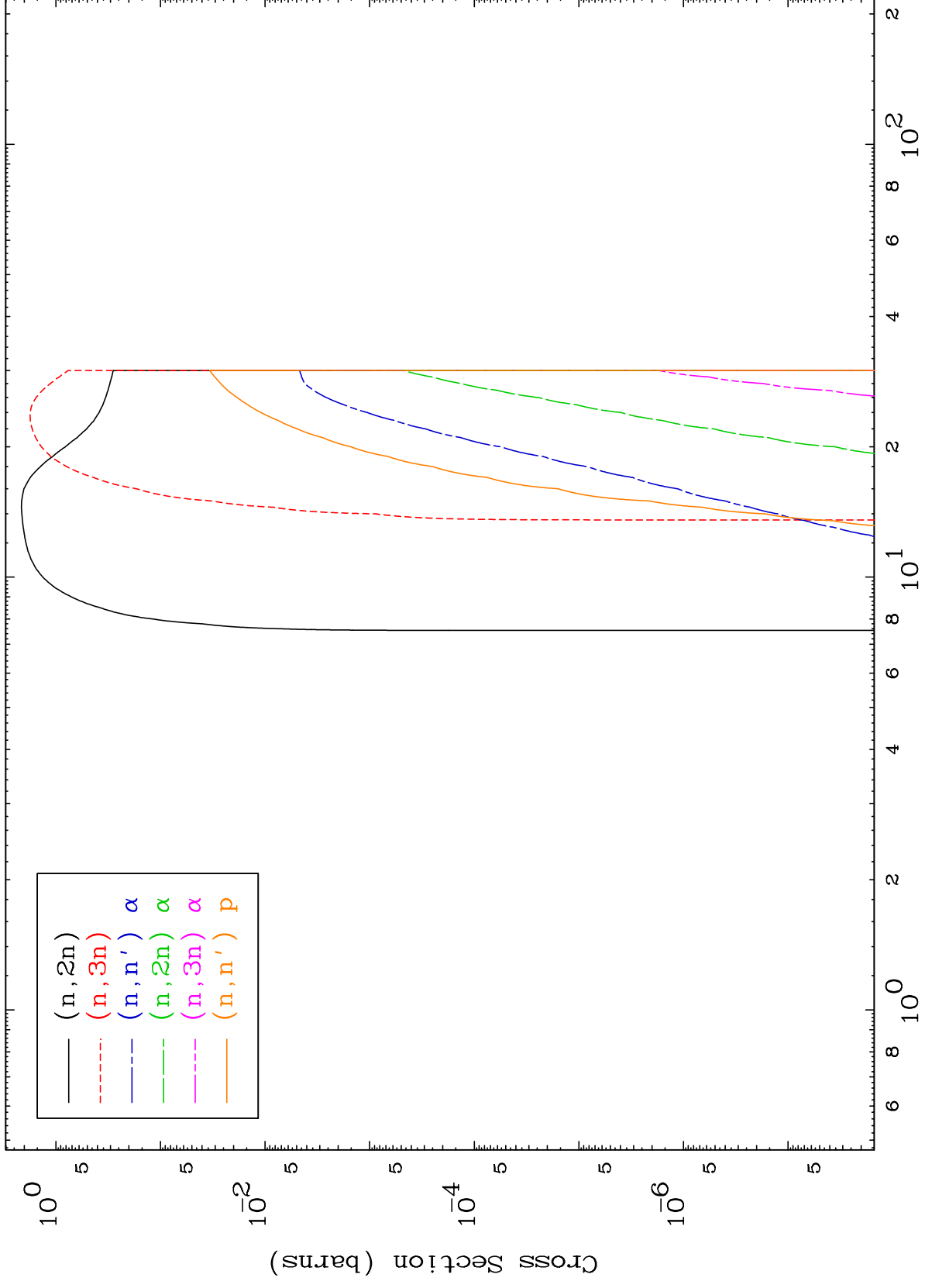
80-Hg-204

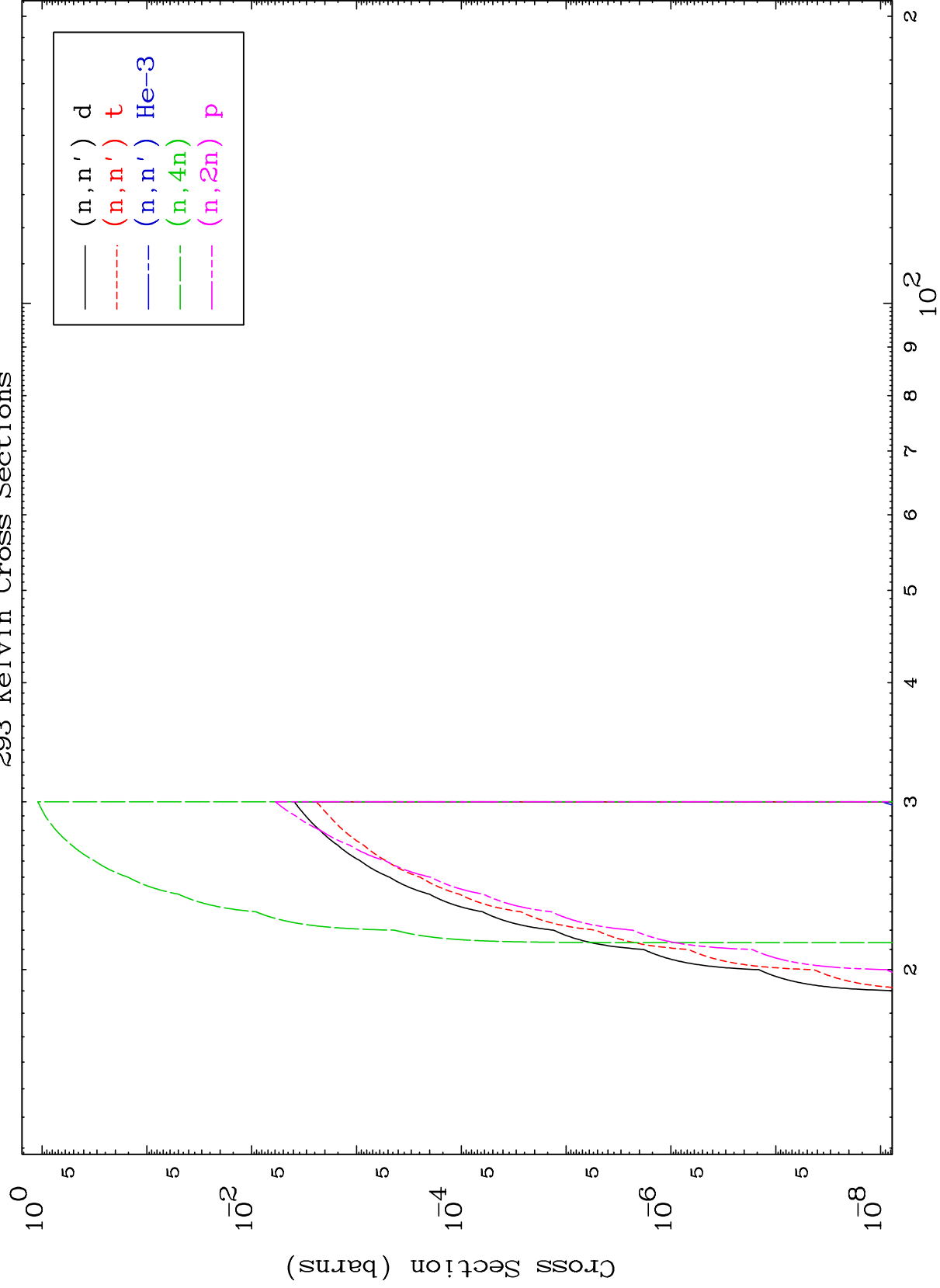


MAT 8049

Neutron Production
293 Kelvin Cross Sections

80-Hg-204

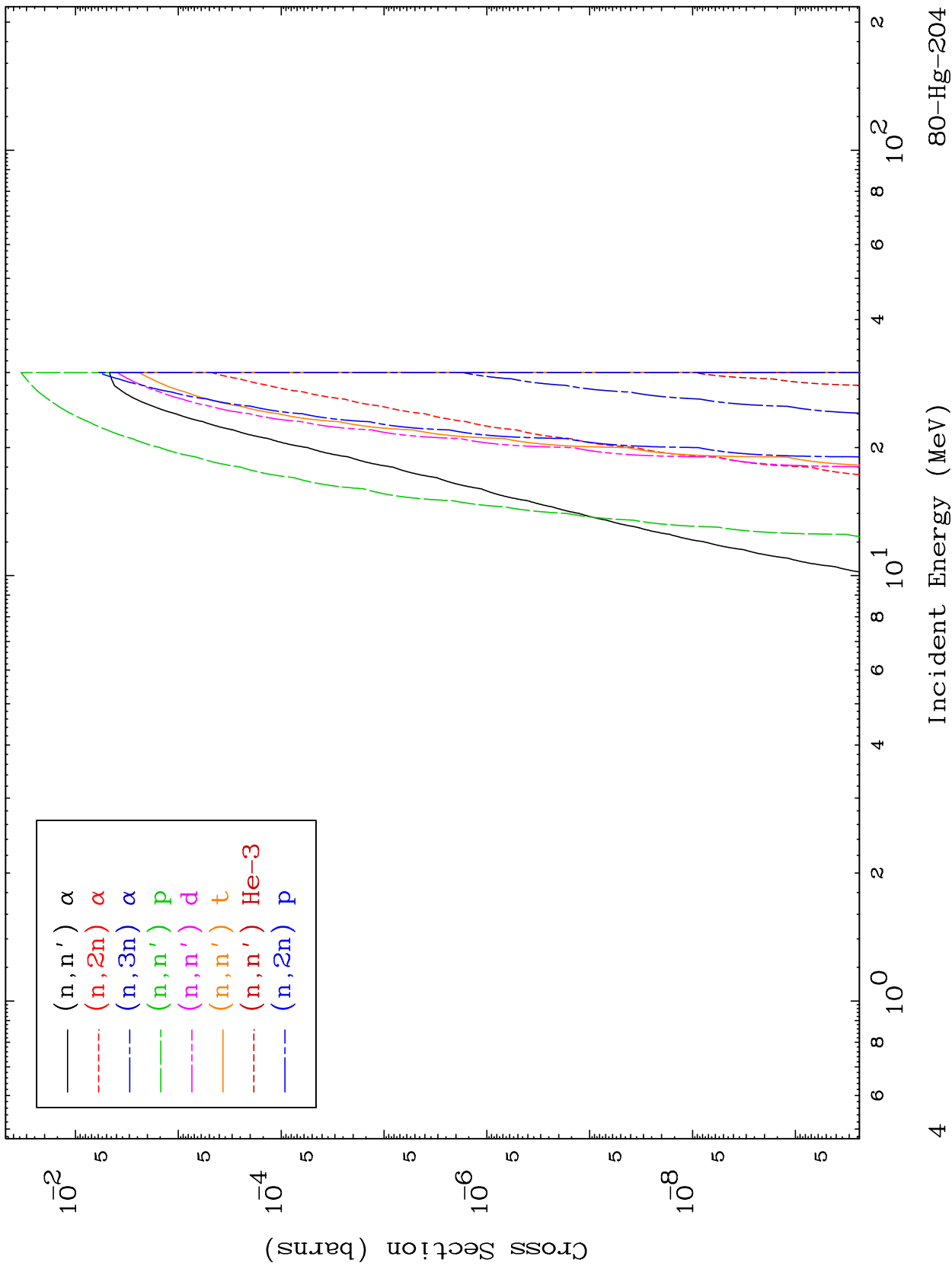




MAT 8049

Charged Particle
293 Kelvin Cross Sections

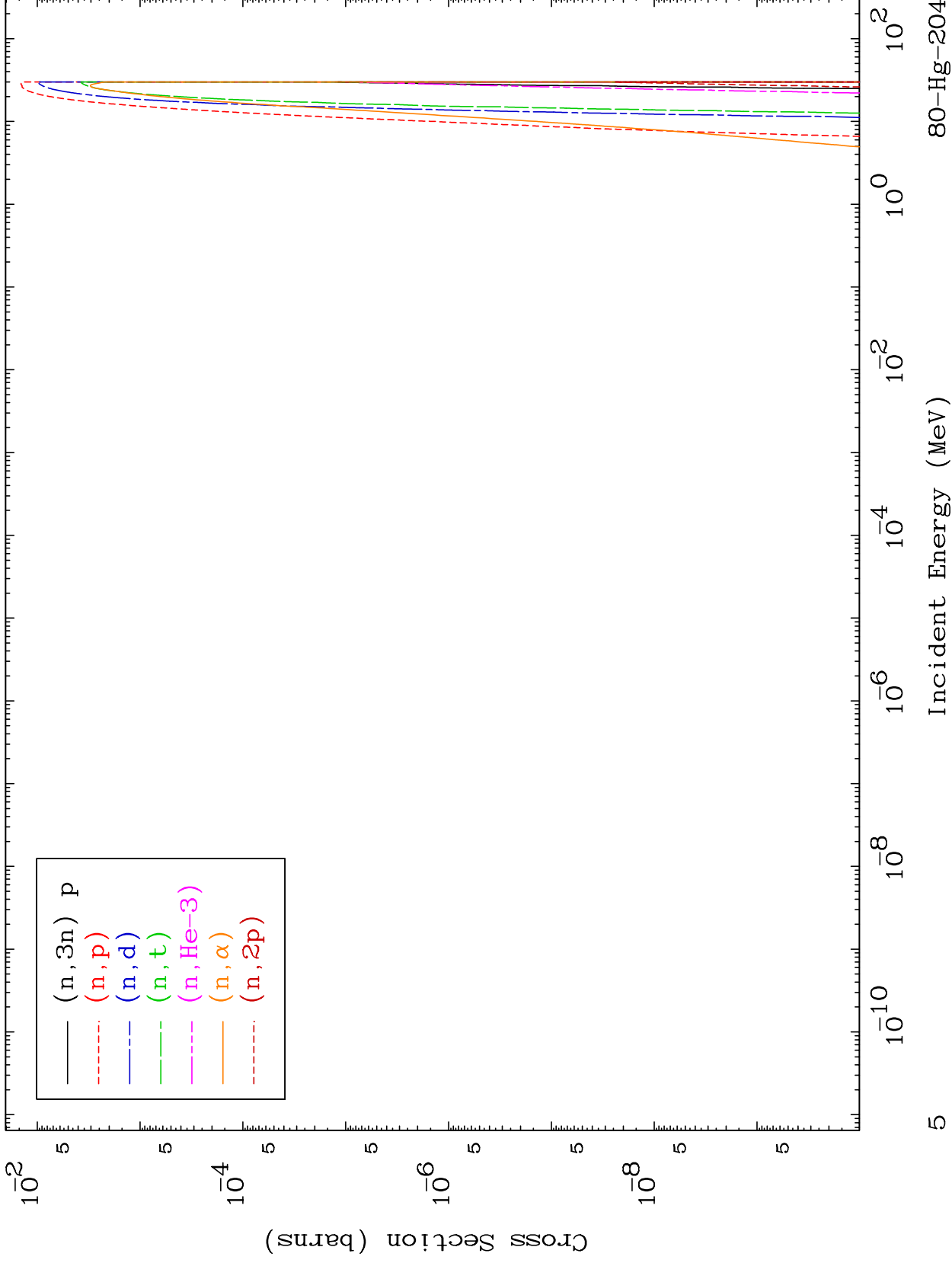
80-Hg-204



MAT 8049

Charged Particle
293 Kelvin Cross Sections

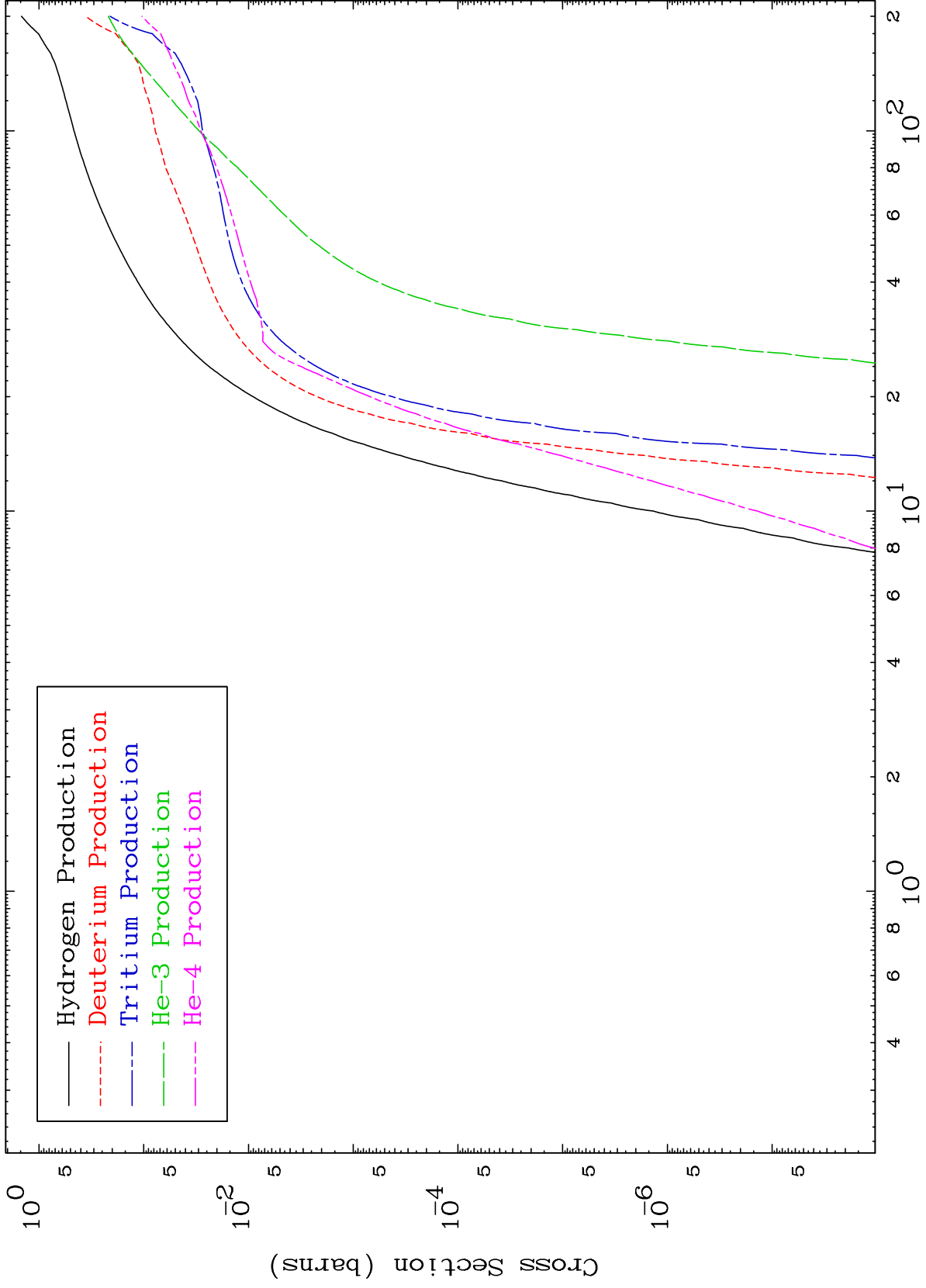
80-Hg-204



MAT 8049

Particle Production
293 Kelvin Cross Sections

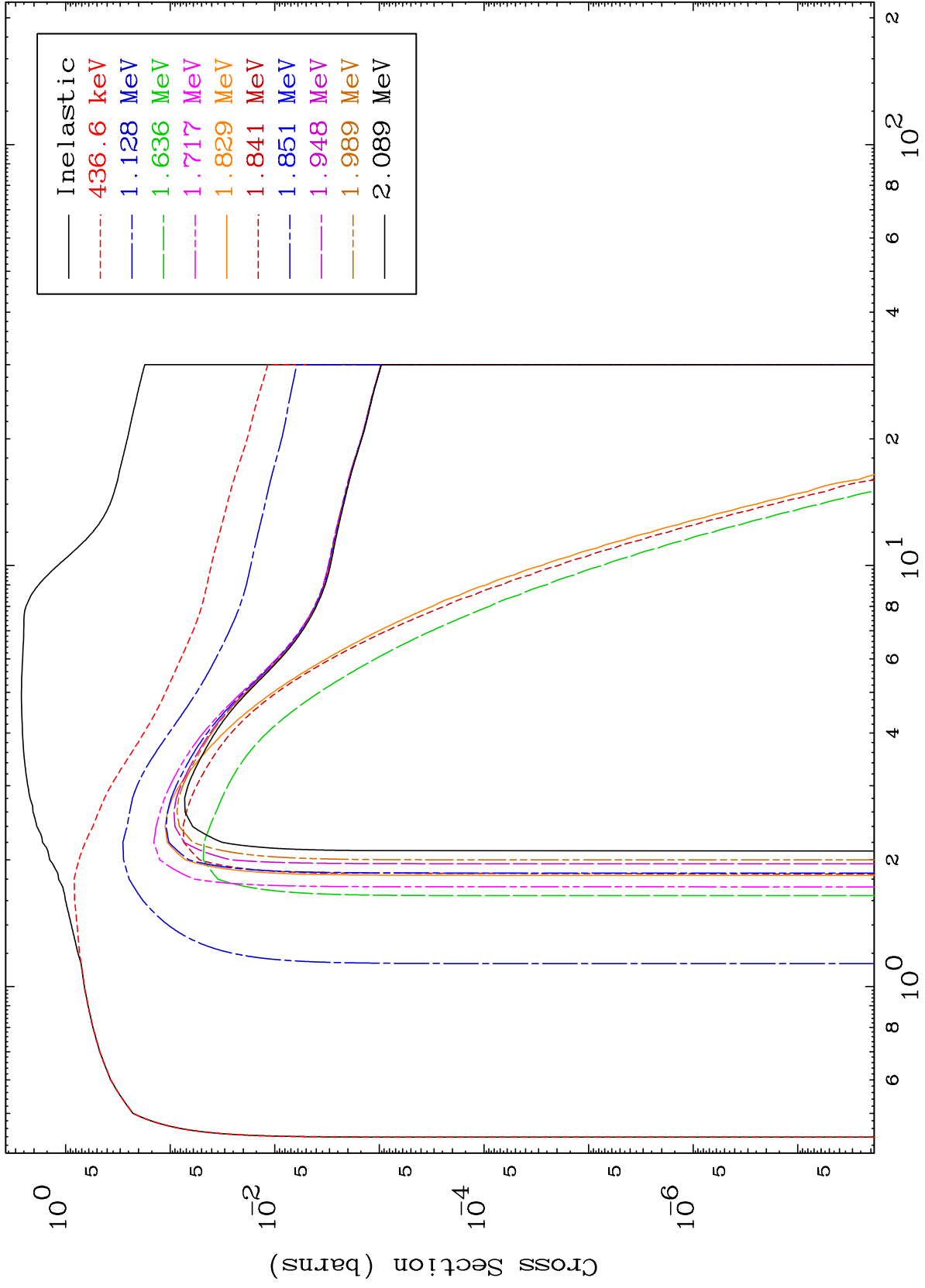
80-Hg-204



MAT 8049

(n,n') Level
293 Kelvin Cross Sections

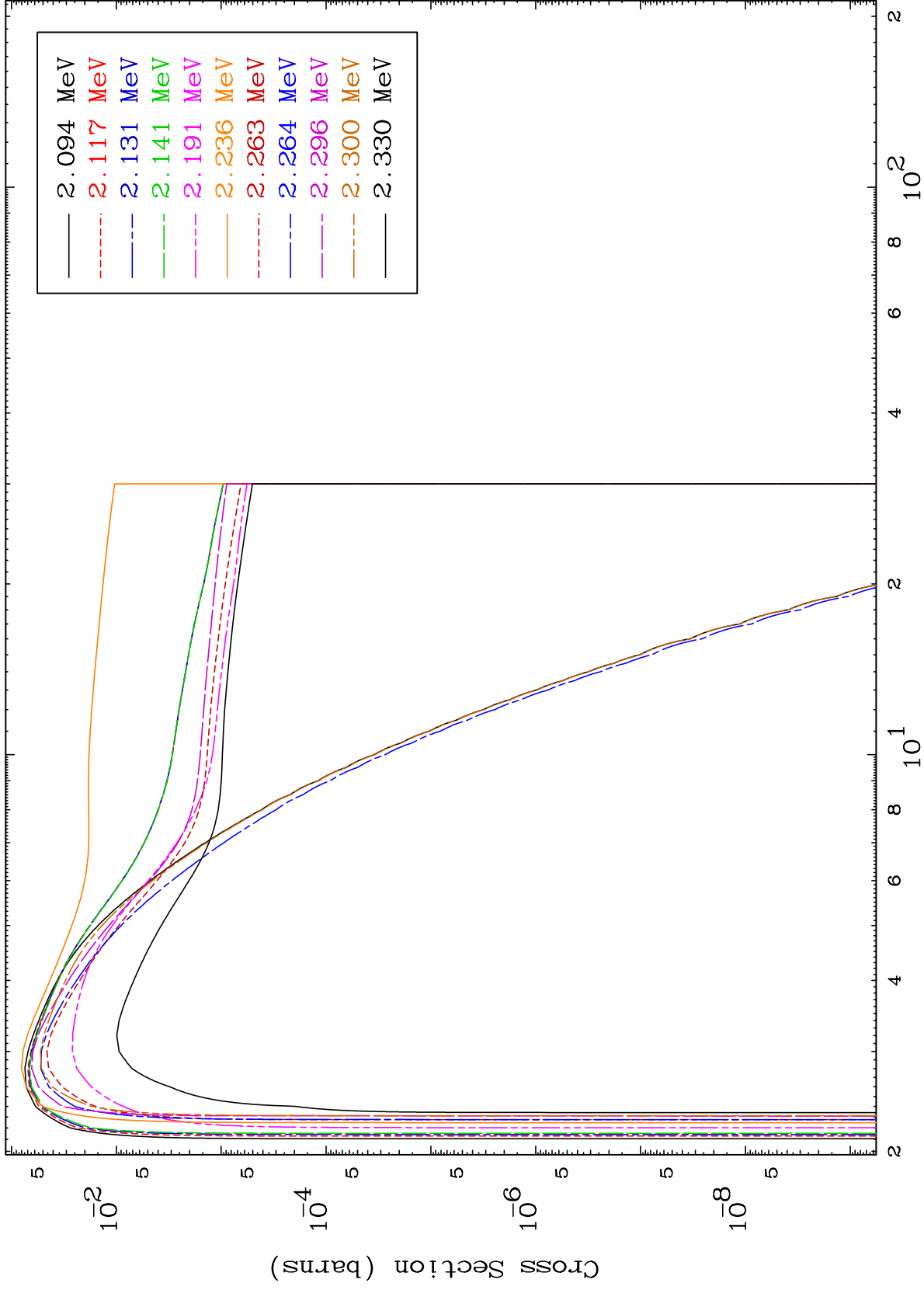
80-Hg-204



MAT 8049

(n,n') Level
293 Kelvin Cross Sections

80-Hg-204



8

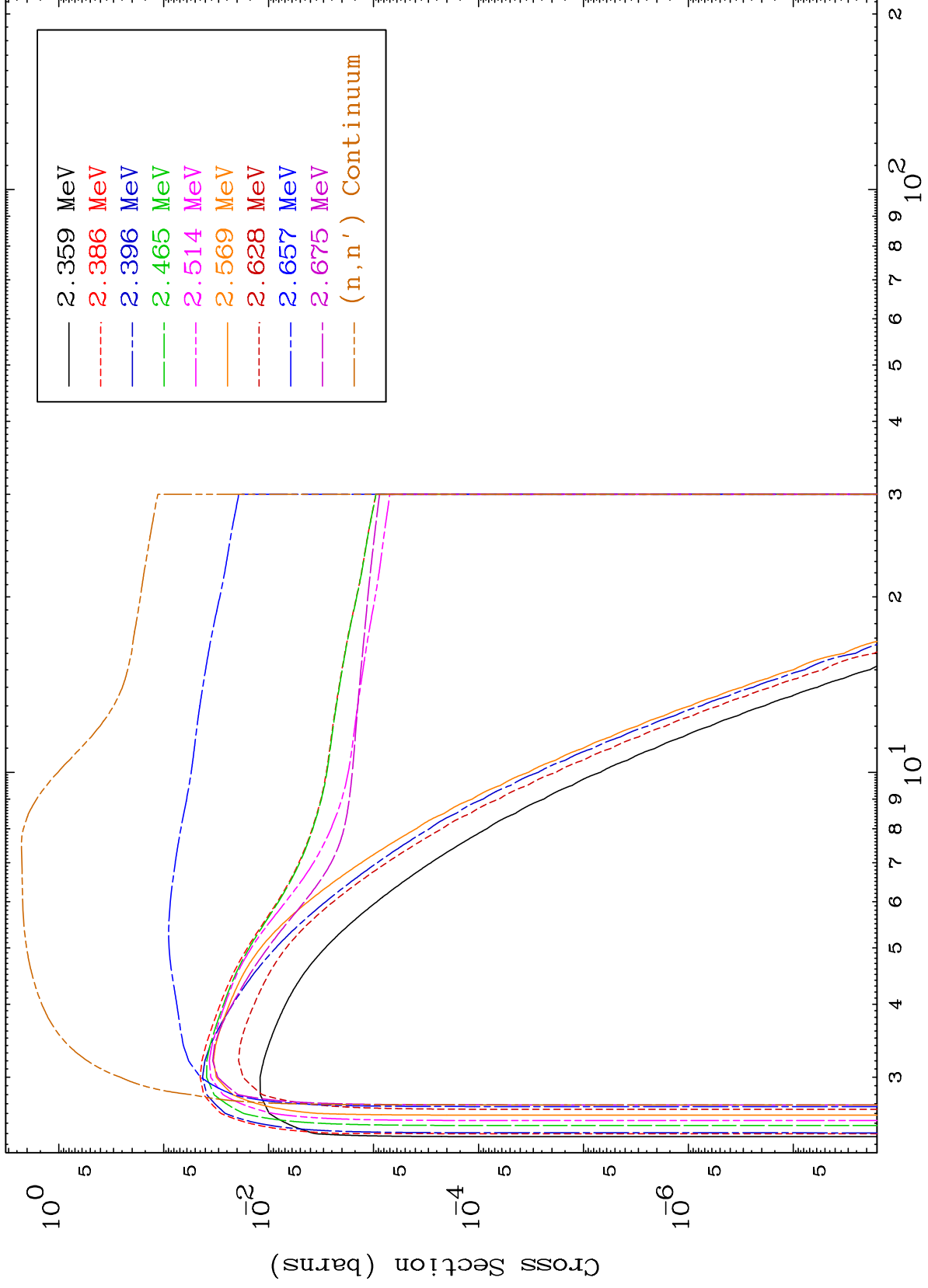
Incident Energy (MeV)

80-Hg-204

MAT 8049

(n,n') Level
293 Kelvin Cross Sections

80-Hg-204



9

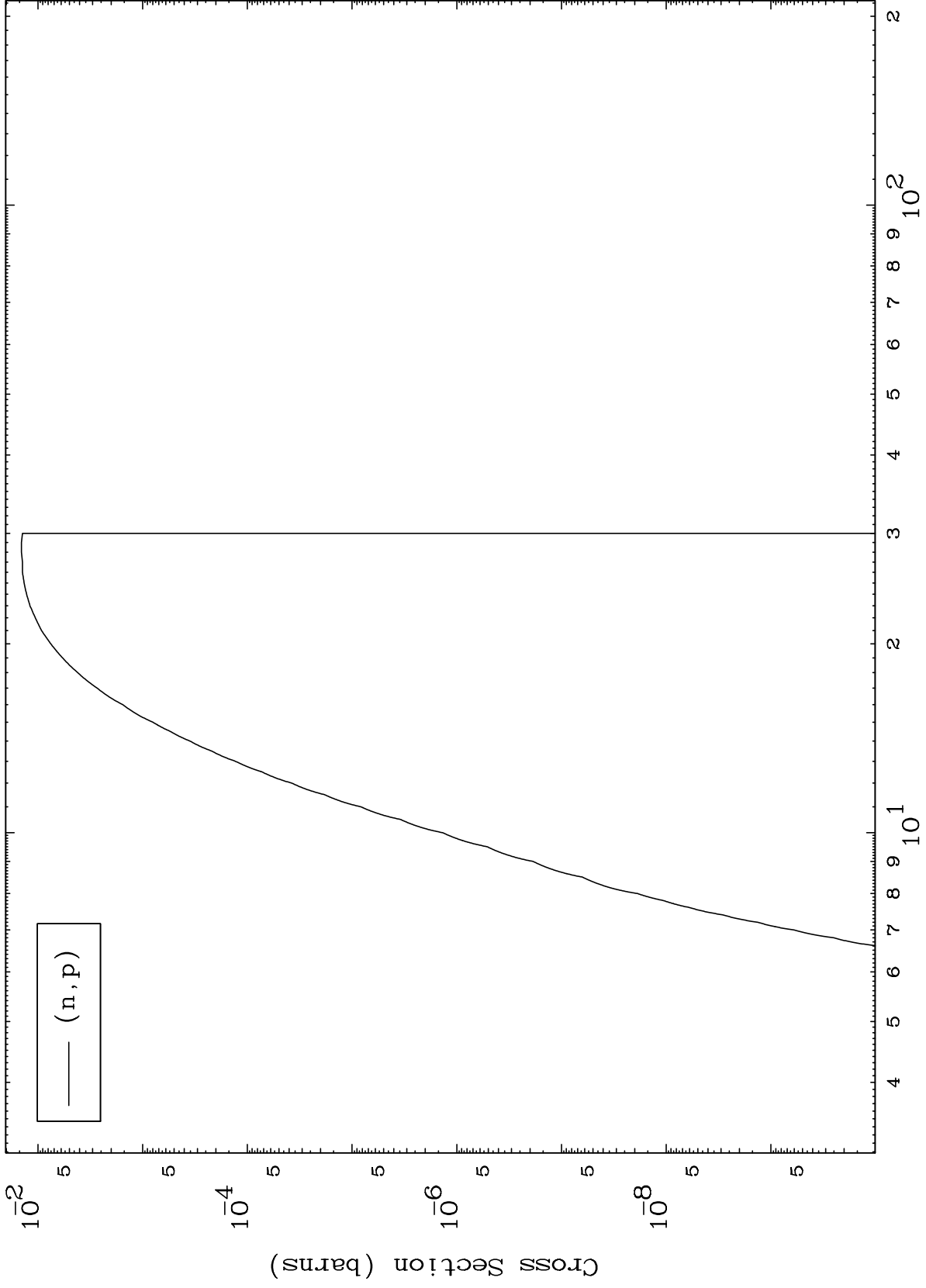
Incident Energy (MeV)

80-Hg-204

MAT 8049

(n,p) Levels
293 Kelvin Cross Sections

80-Hg-204



10

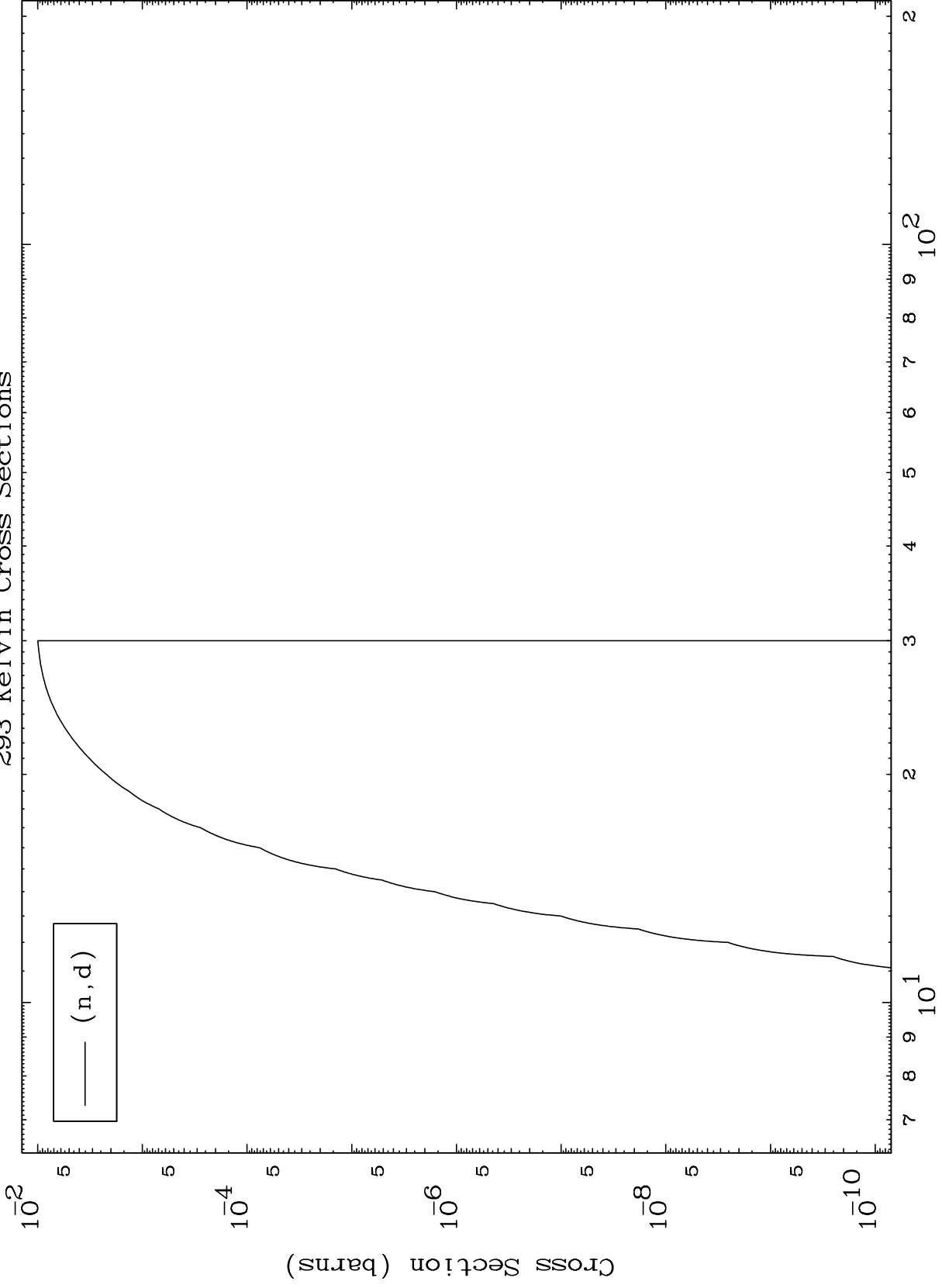
Incident Energy (MeV)

80-Hg-204

MAT 8049

(n,d) Levels
293 Kelvin Cross Sections

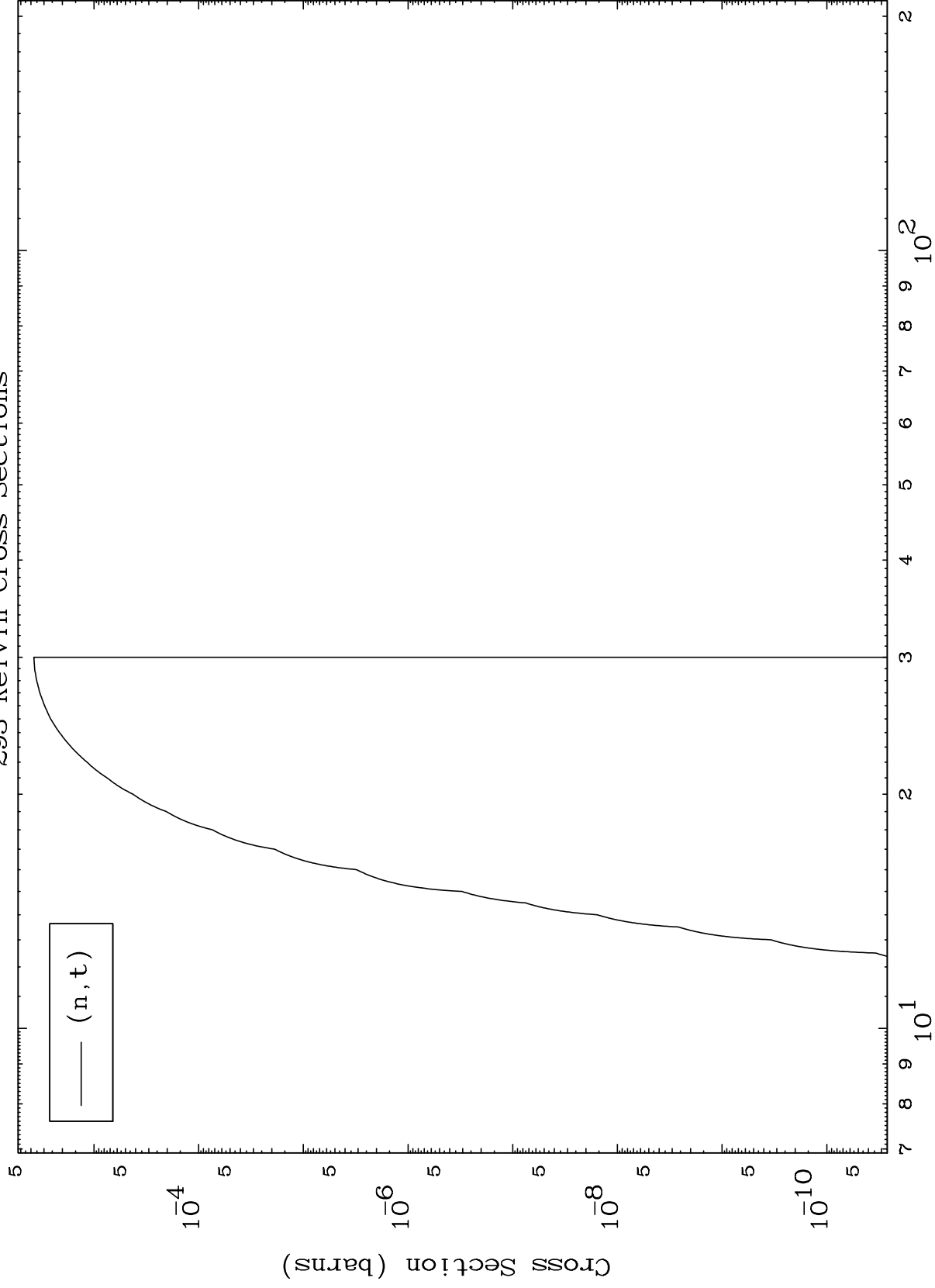
80-Hg-204



MAT 8049

(n,t) Levels
293 Kelvin Cross Sections

80-Hg-204



12

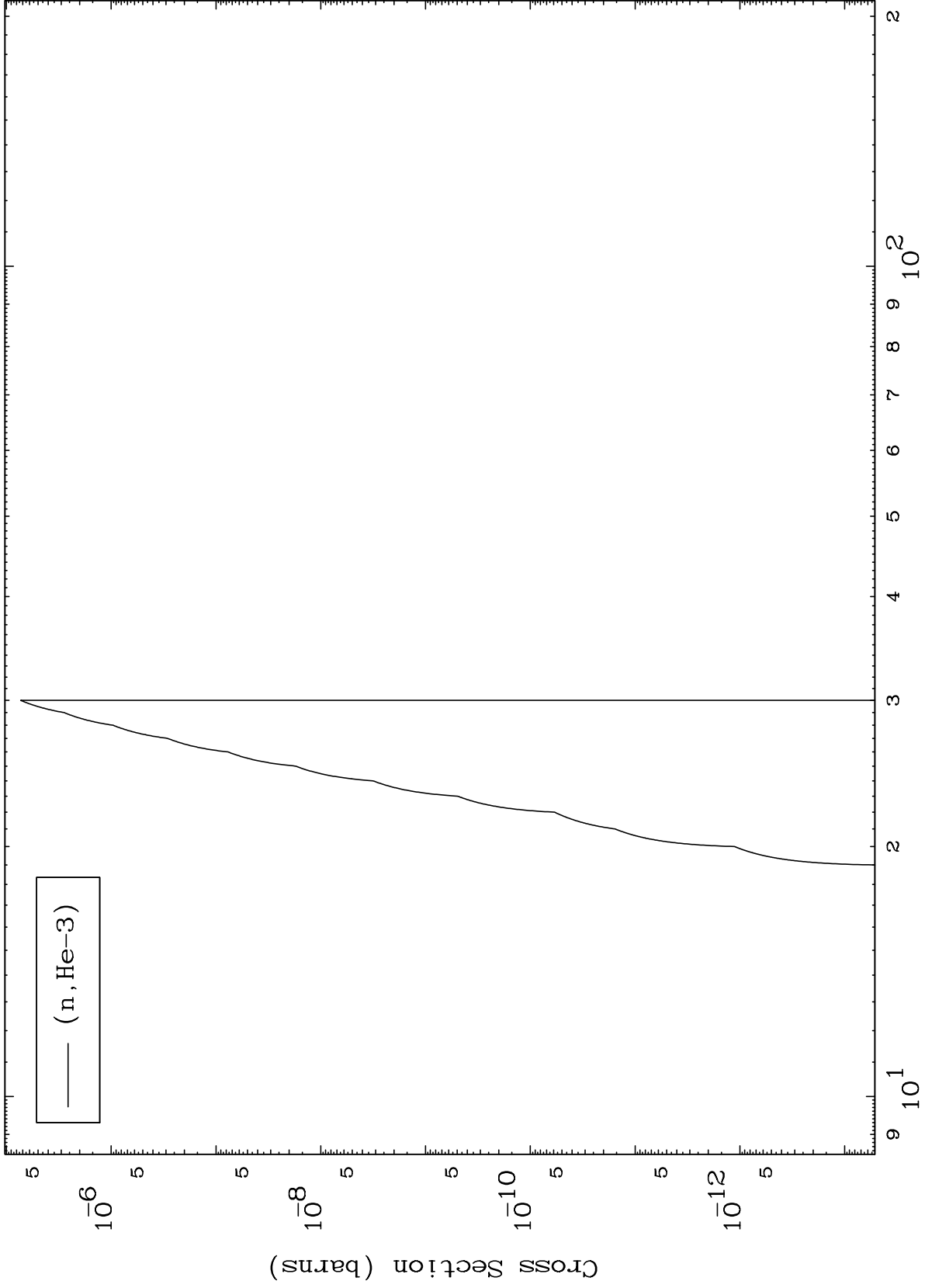
Incident Energy (MeV)

80-Hg-204

MAT 8049

(n,He3) Levels
293 Kelvin Cross Sections

80-Hg-204



13

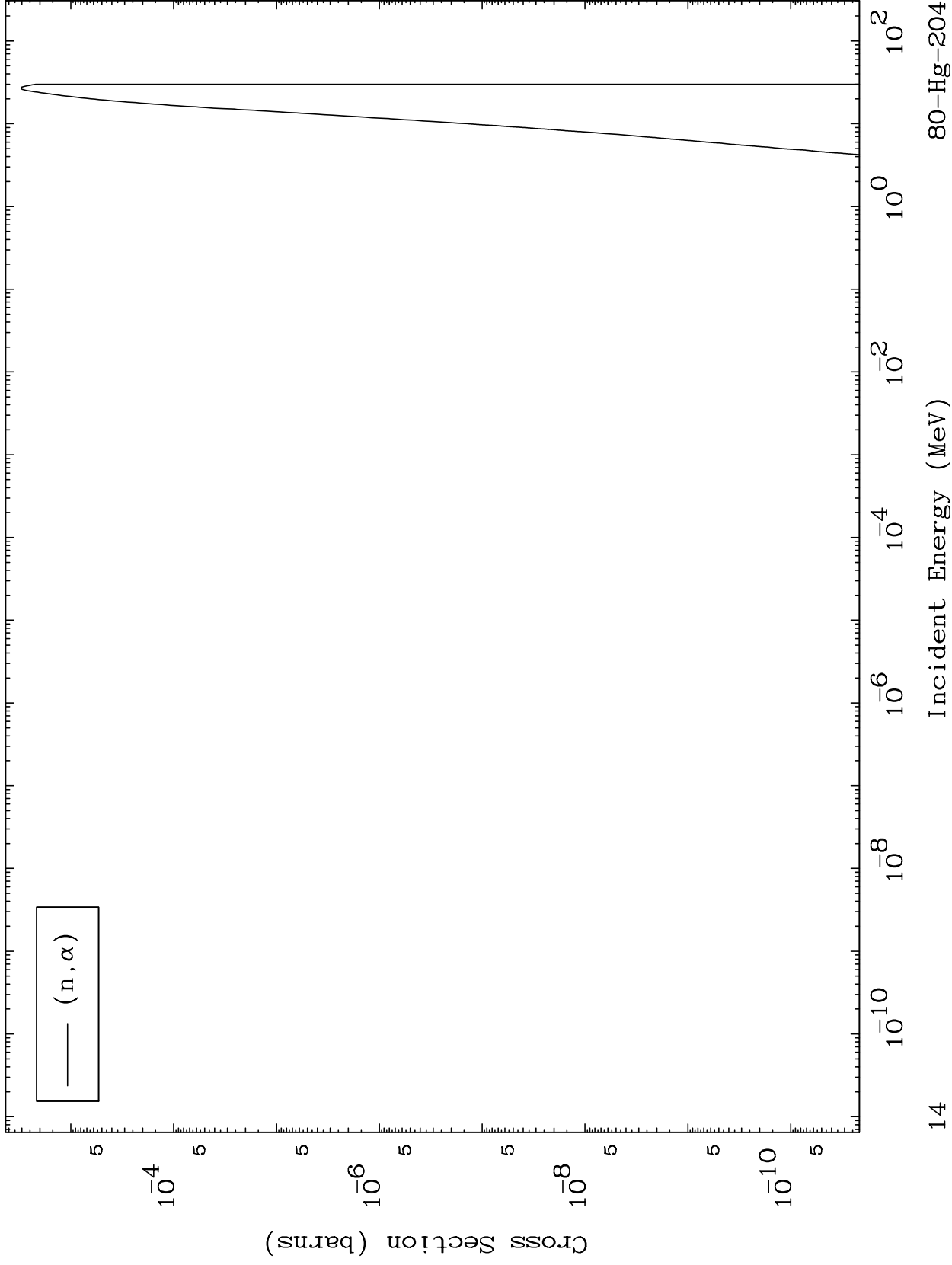
Incident Energy (MeV)

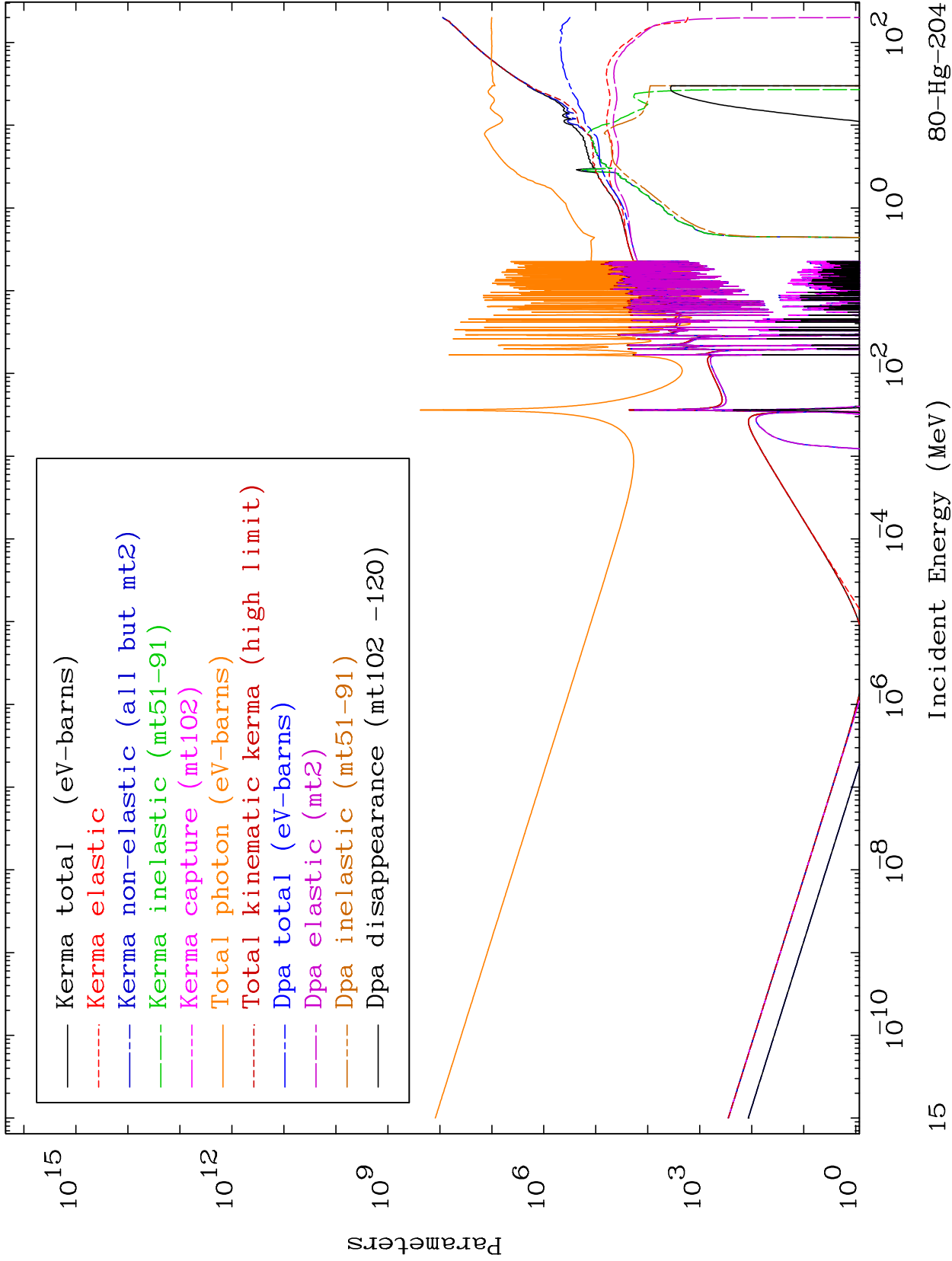
80-Hg-204

MAT 8049

(n, α) Levels
293 Kelvin Cross Sections

80-Hg-204

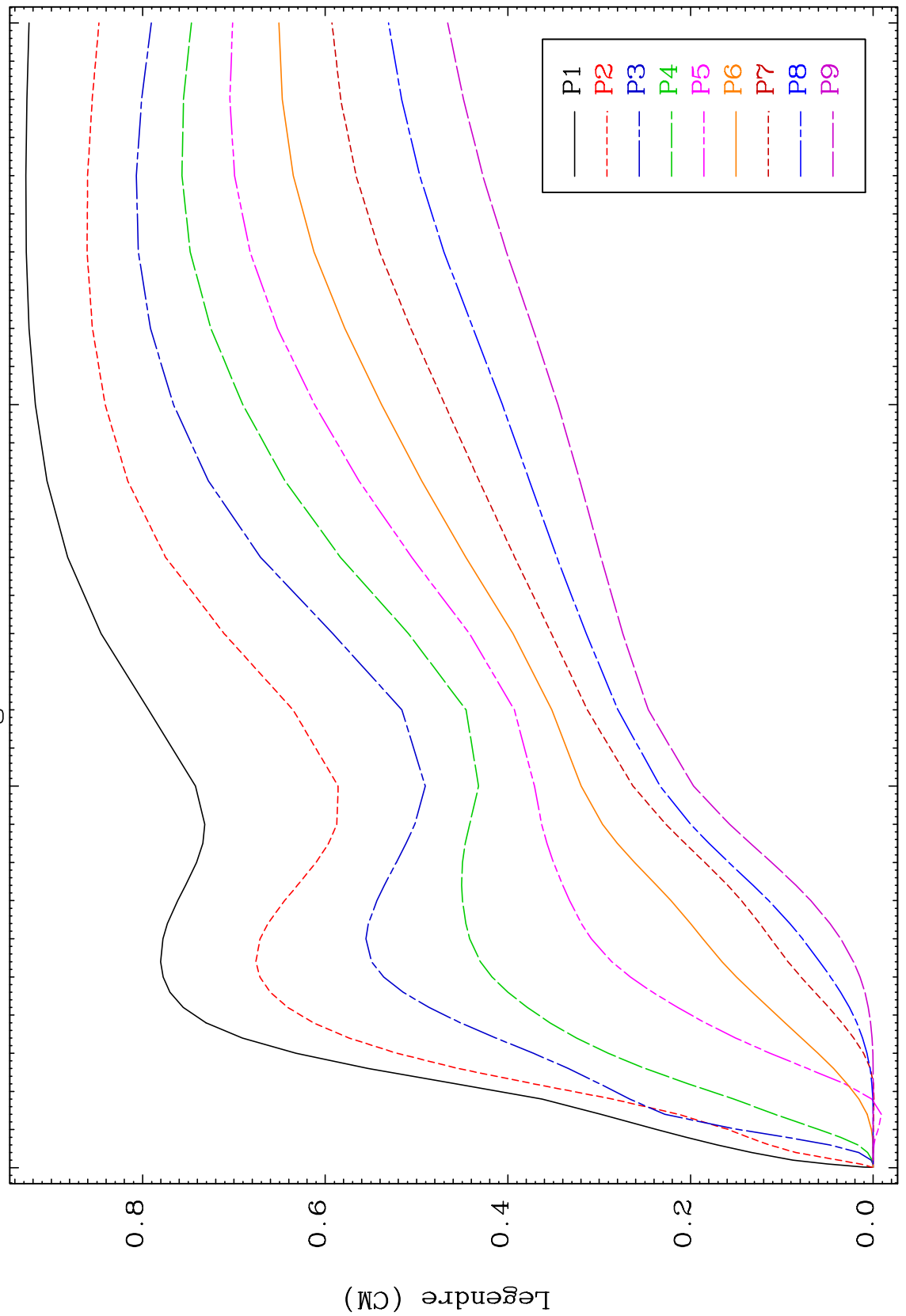




MAT 8049

80-Hg-204

Elastic Legendre Coefficients



16

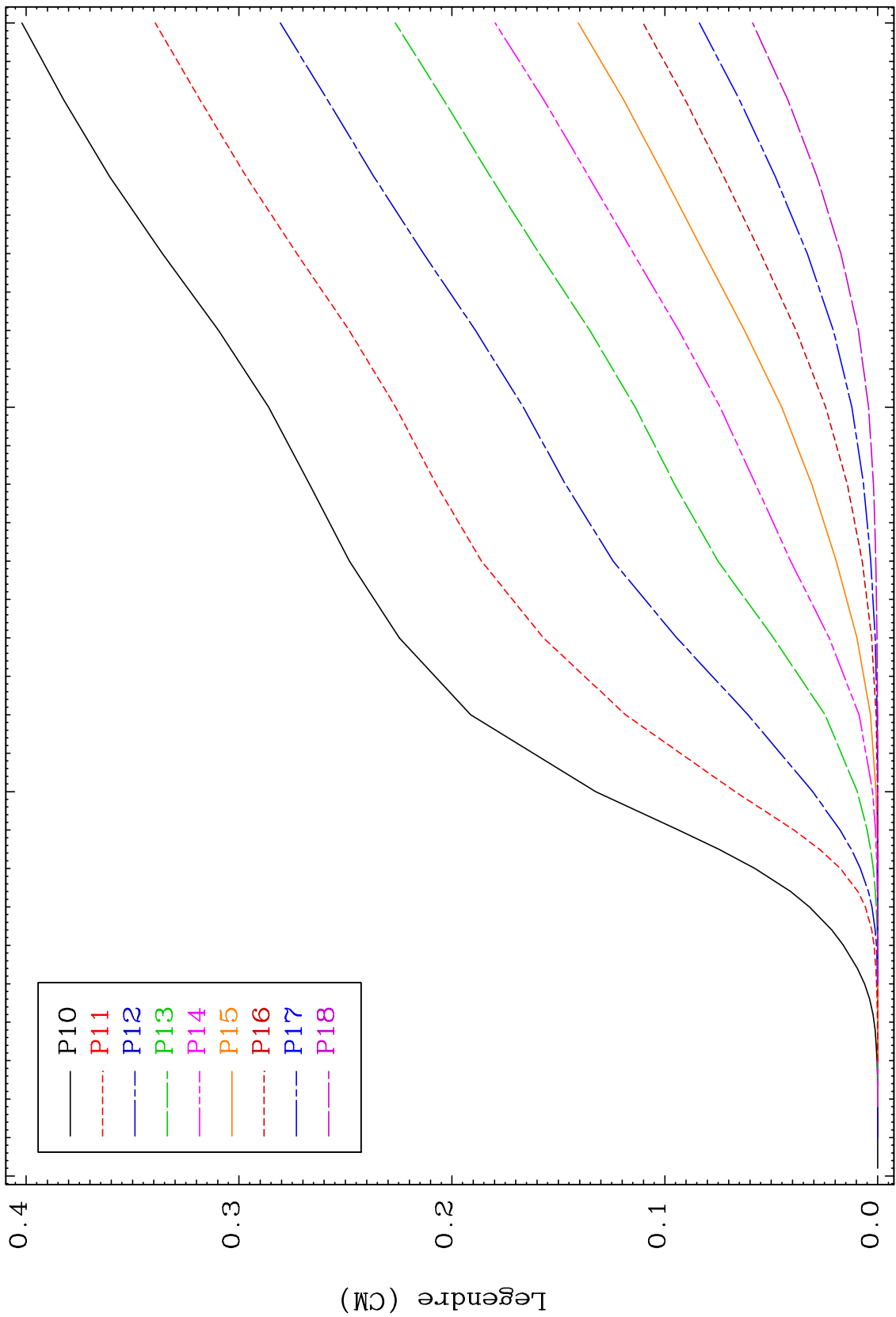
Incident Energy (MeV)

80-Hg-204

MAT 8049

Elastic Legendre Coefficients

80-Hg-204



17

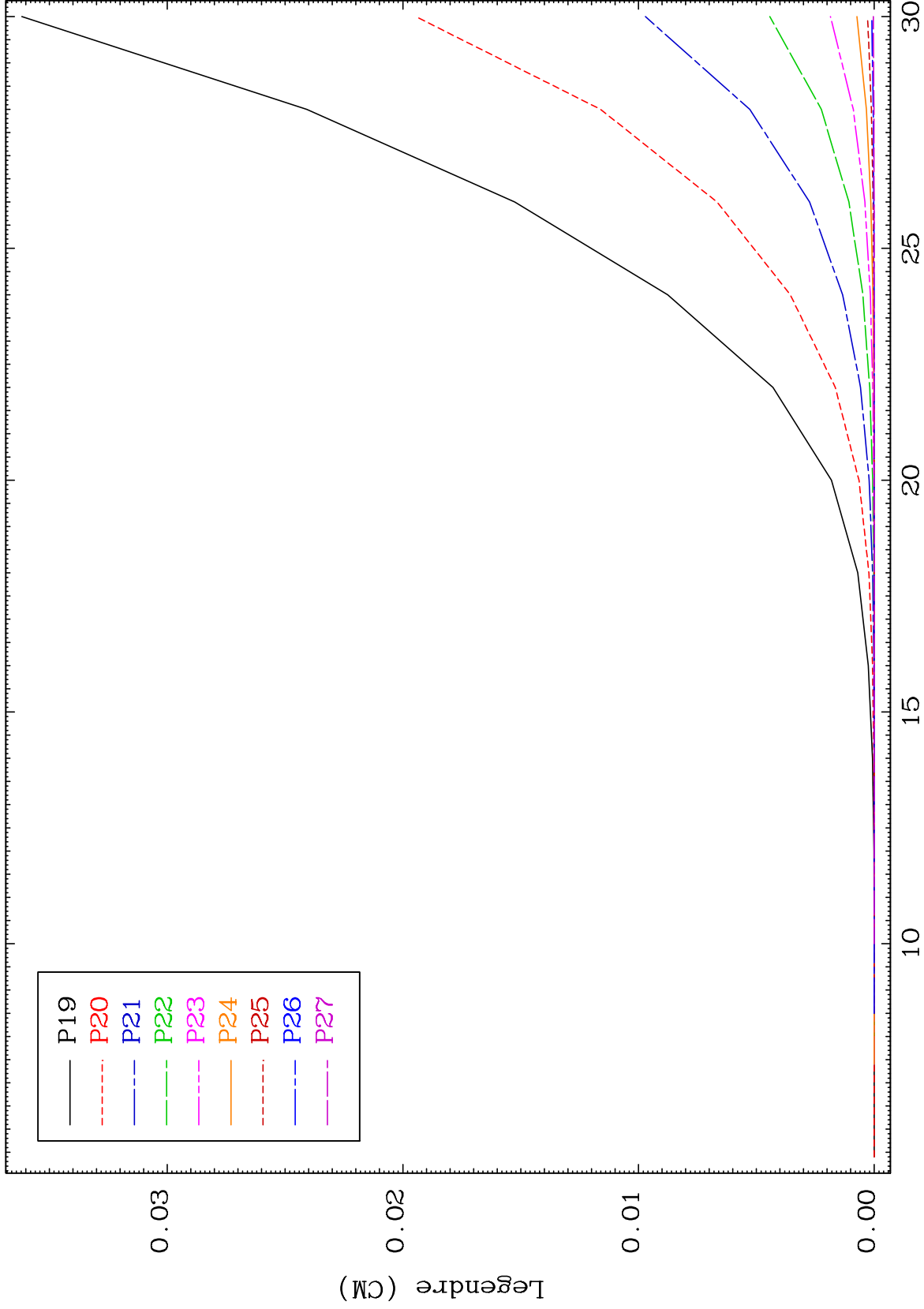
Incident Energy (MeV)

80-Hg-204

MAT 8049

Elastic
Legendre Coefficients

80-Hg-204



18

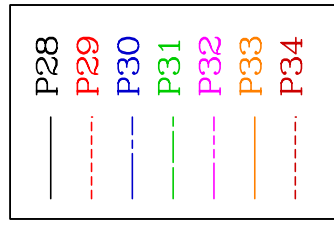
Incident Energy (MeV)

80-Hg-204

MAT 8049

Elastic Legendre Coefficients

80-Hg-204



$\times 10^{-5}$

Legendre (CM)

10

15

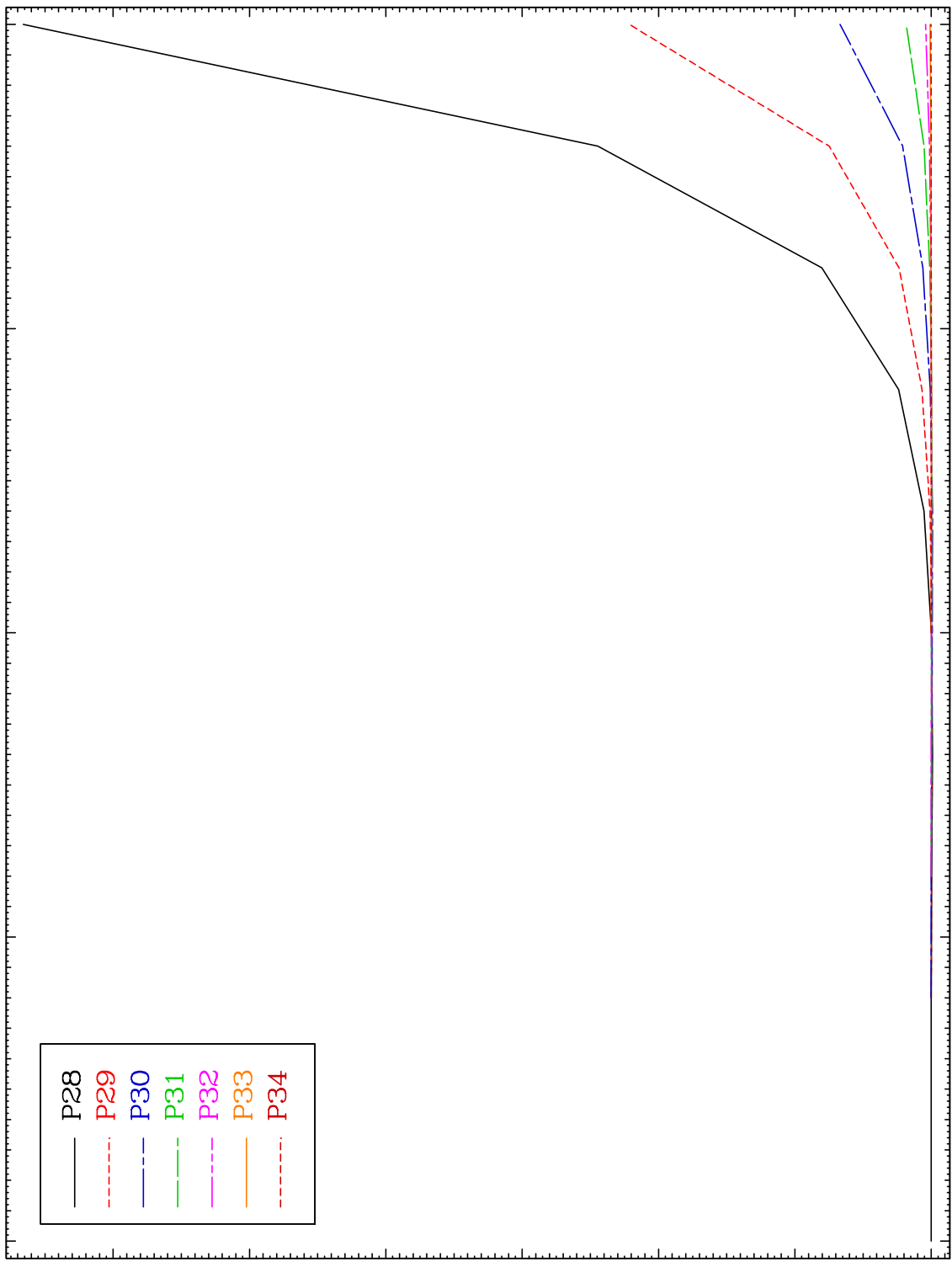
20

25

30

Incident Energy (MeV)

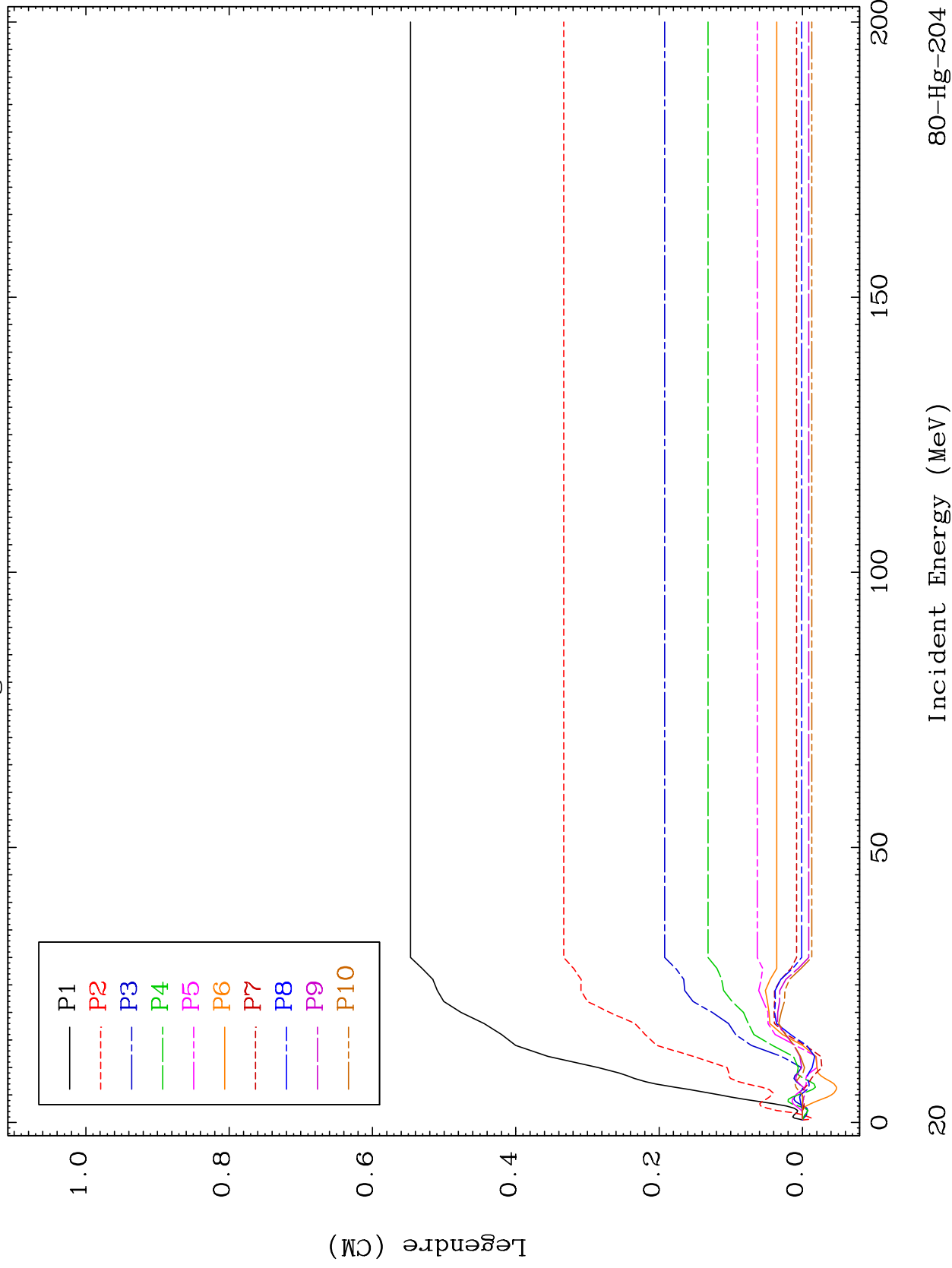
80-Hg-204



MAT 8049

436.6 keV (n,n') Level
Legendre Coefficients

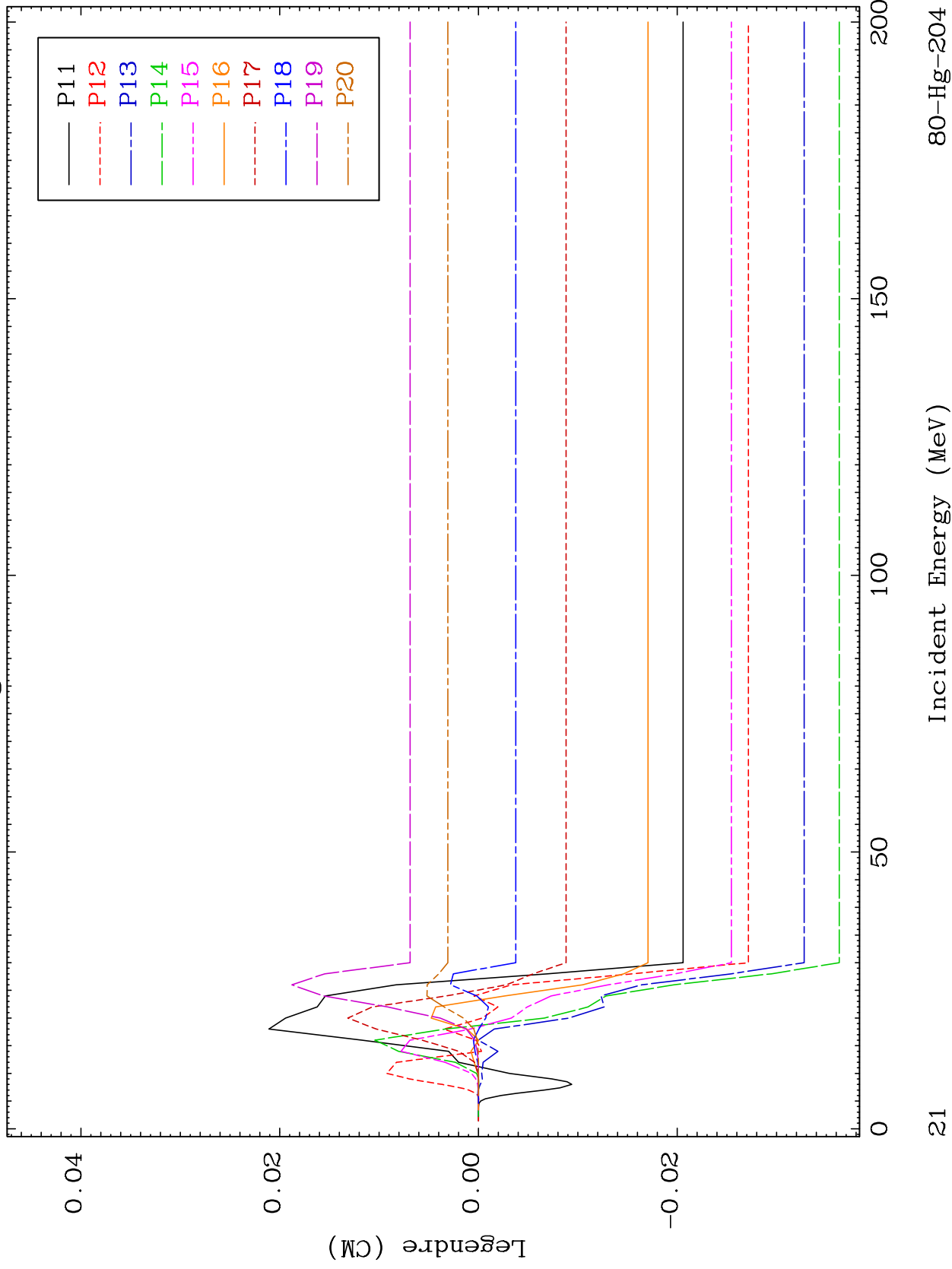
80-Hg-204



MAT 8049

436.6 keV (n,n') Level
Legendre Coefficients

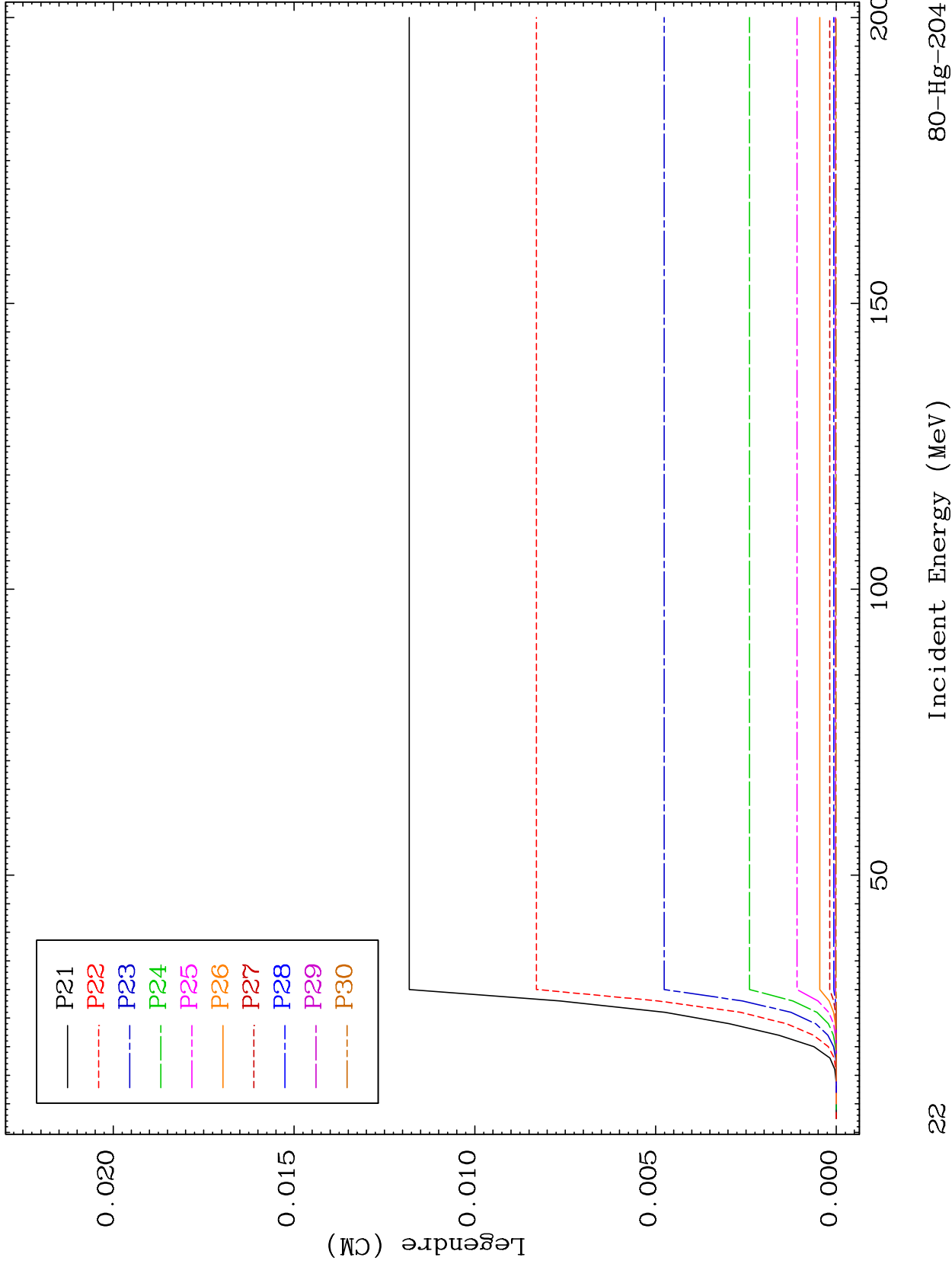
80-Hg-204



21

Incident Energy (MeV)

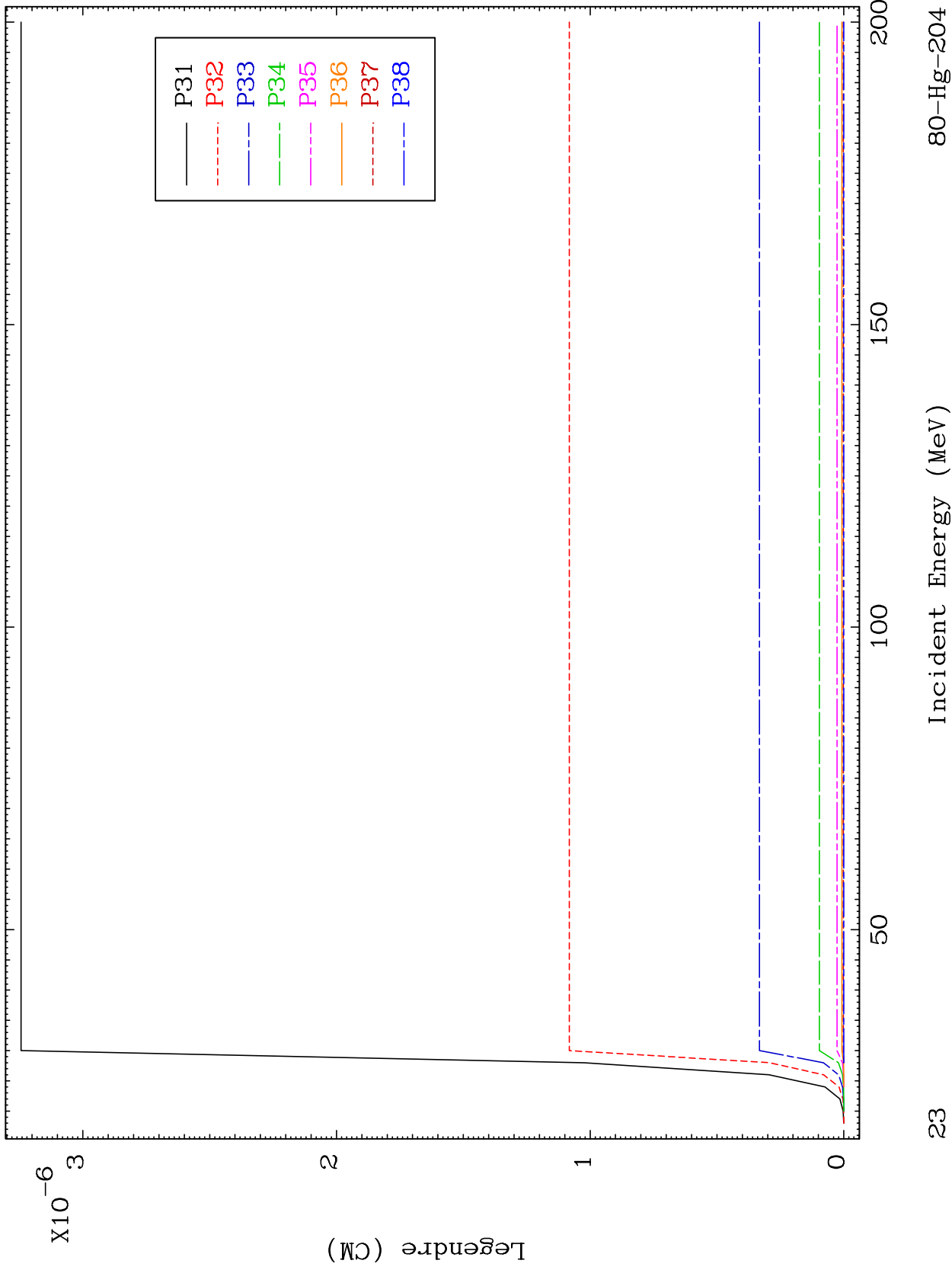
80-Hg-204



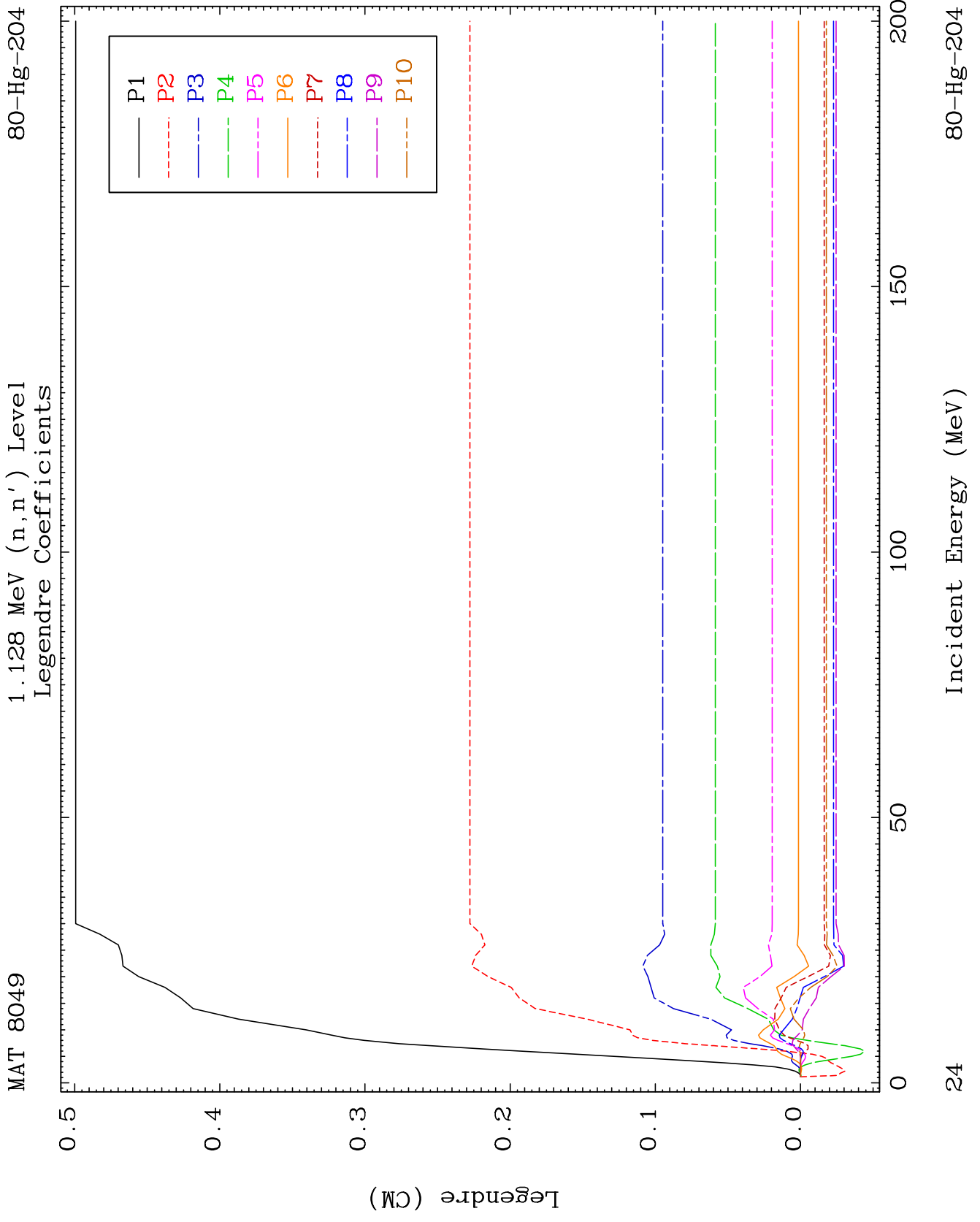
MAT 8049

436.6 keV (n,n') Level
Legendre Coefficients

80-Hg-204



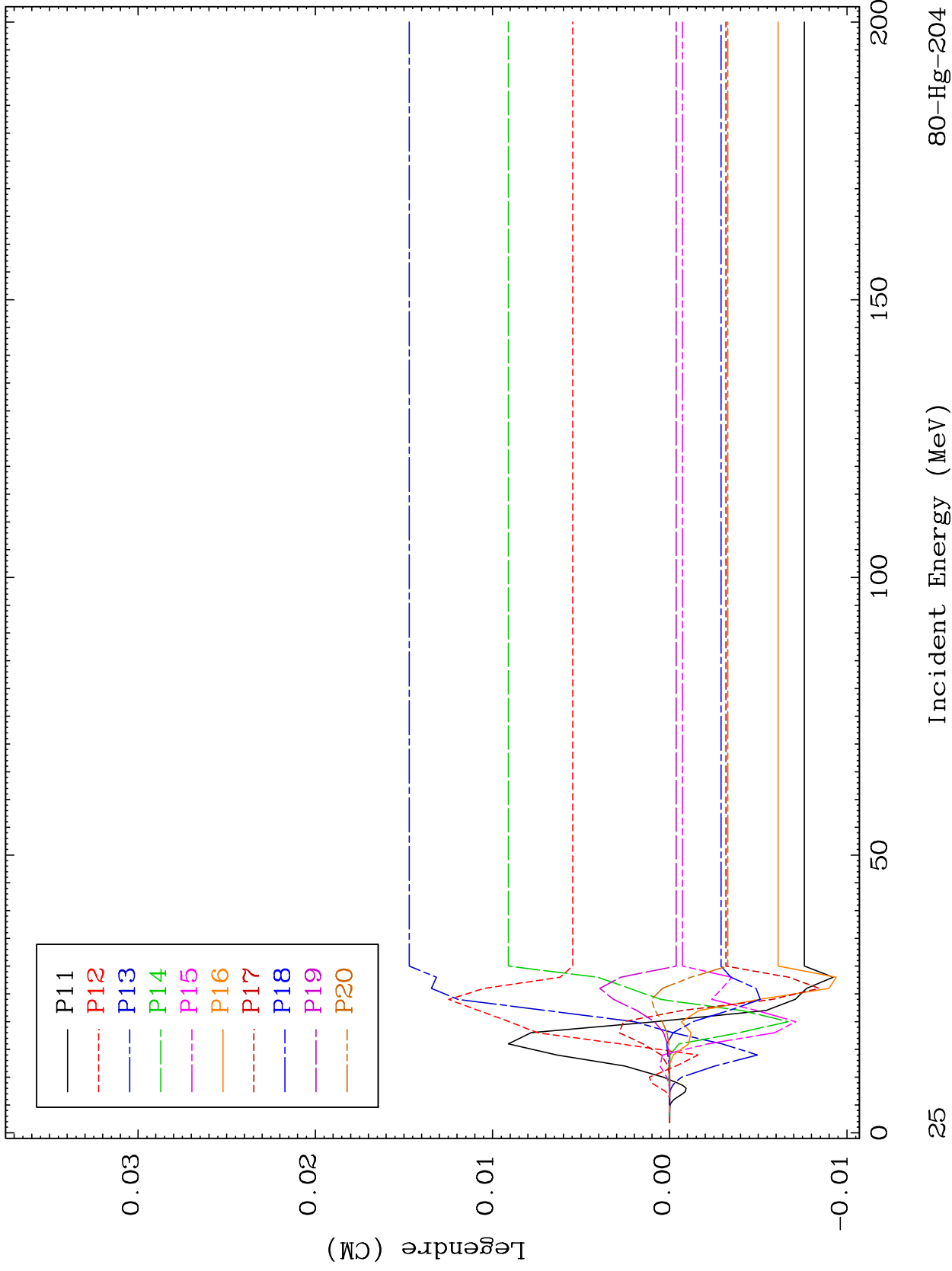
23



MAT 8049

1.128 MeV (n,n') Level
Legendre Coefficients

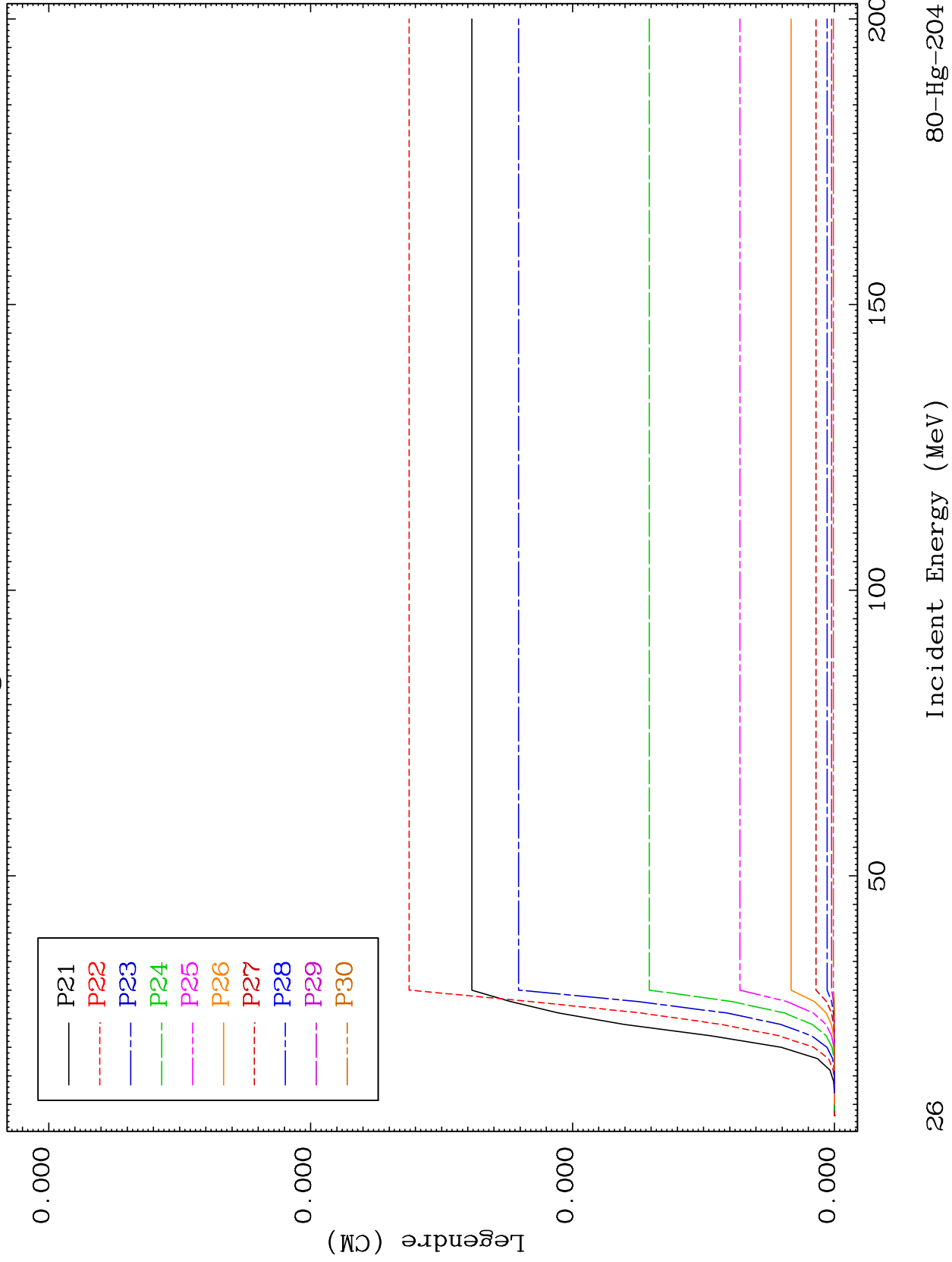
80-Hg-204

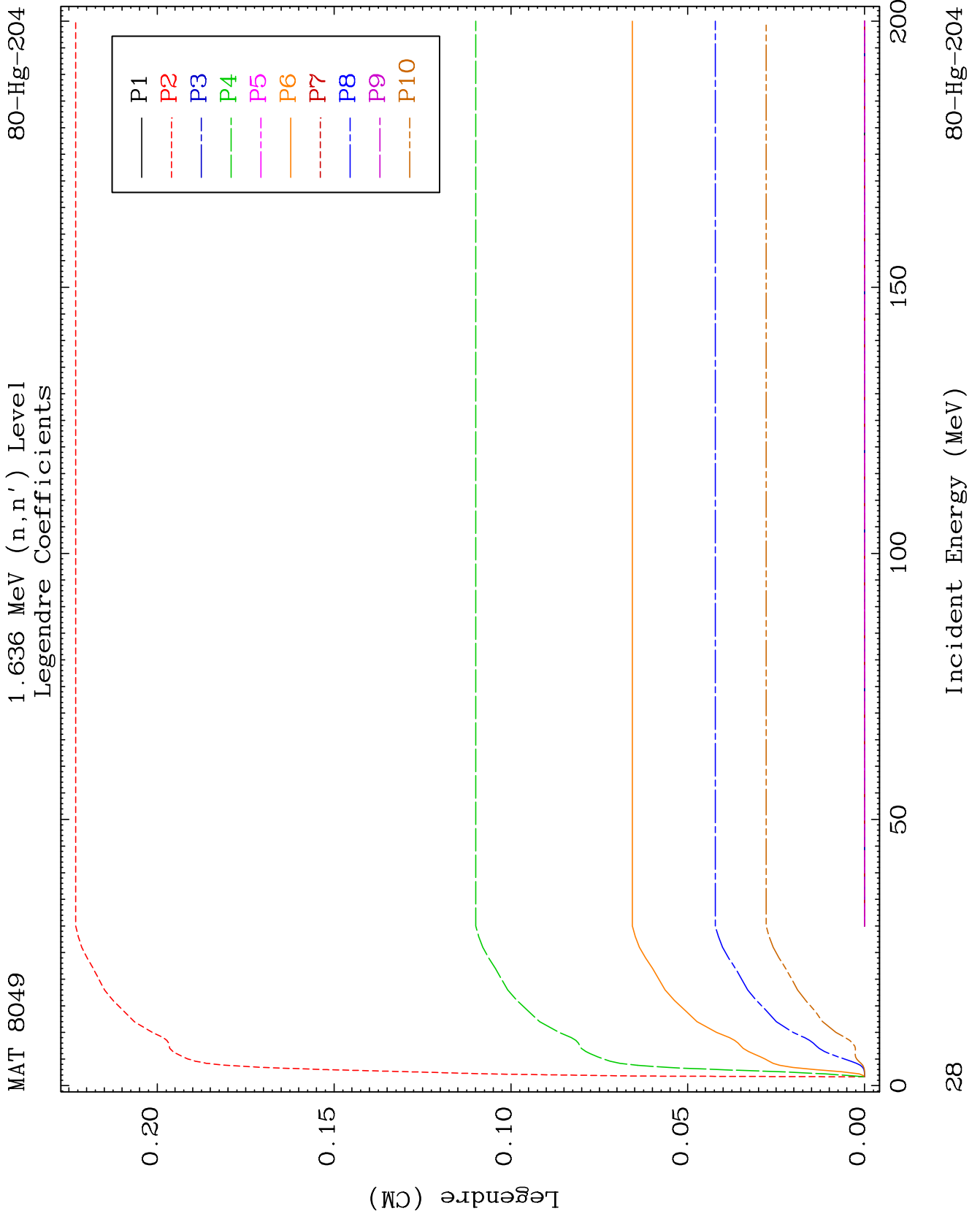


25

Incident Energy (MeV)

80-Hg-204

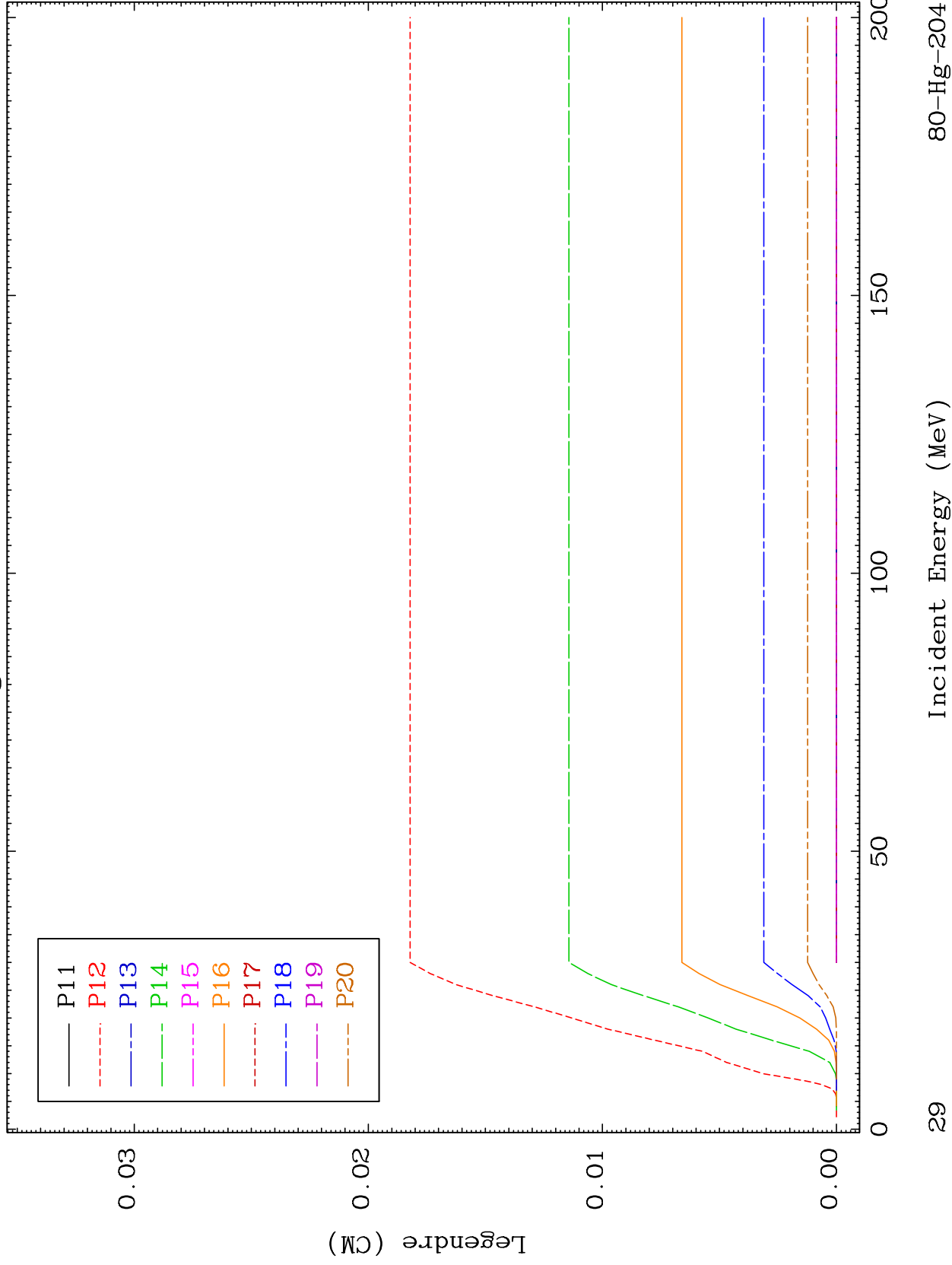




MAT 8049

1.636 MeV (n, n') Level
Legendre Coefficients

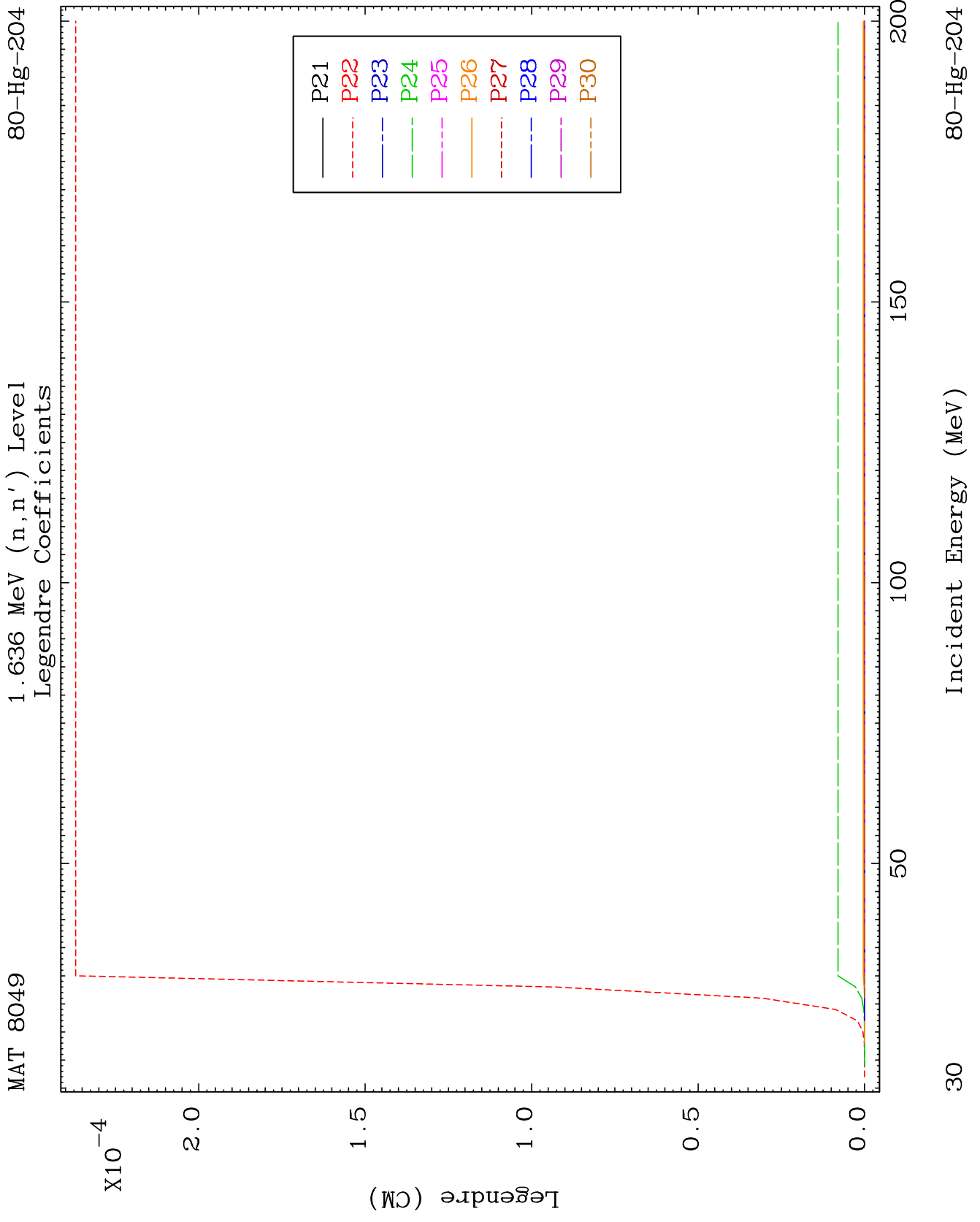
80-Hg-204

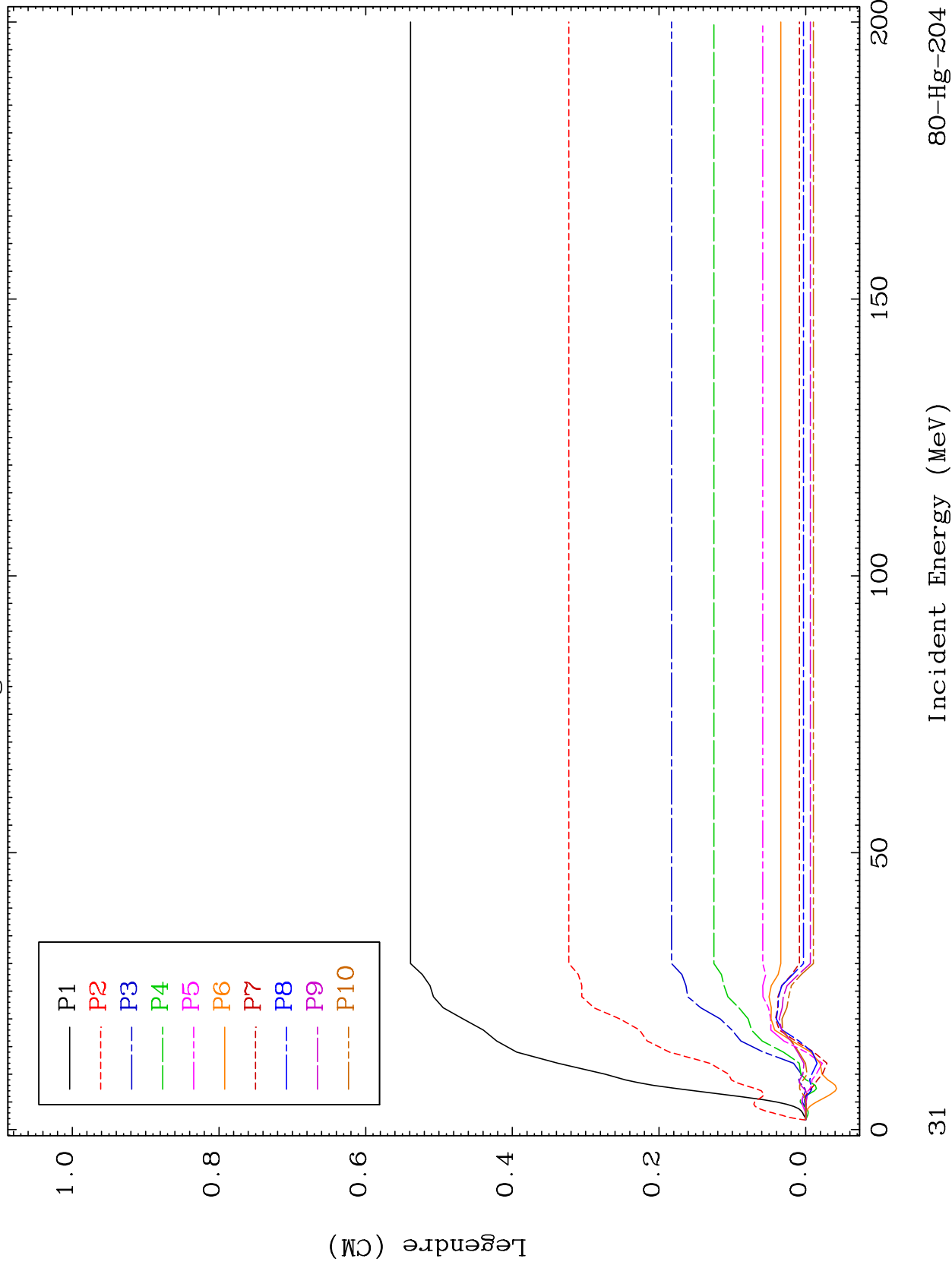


29

Incident Energy (MeV)

80-Hg-204

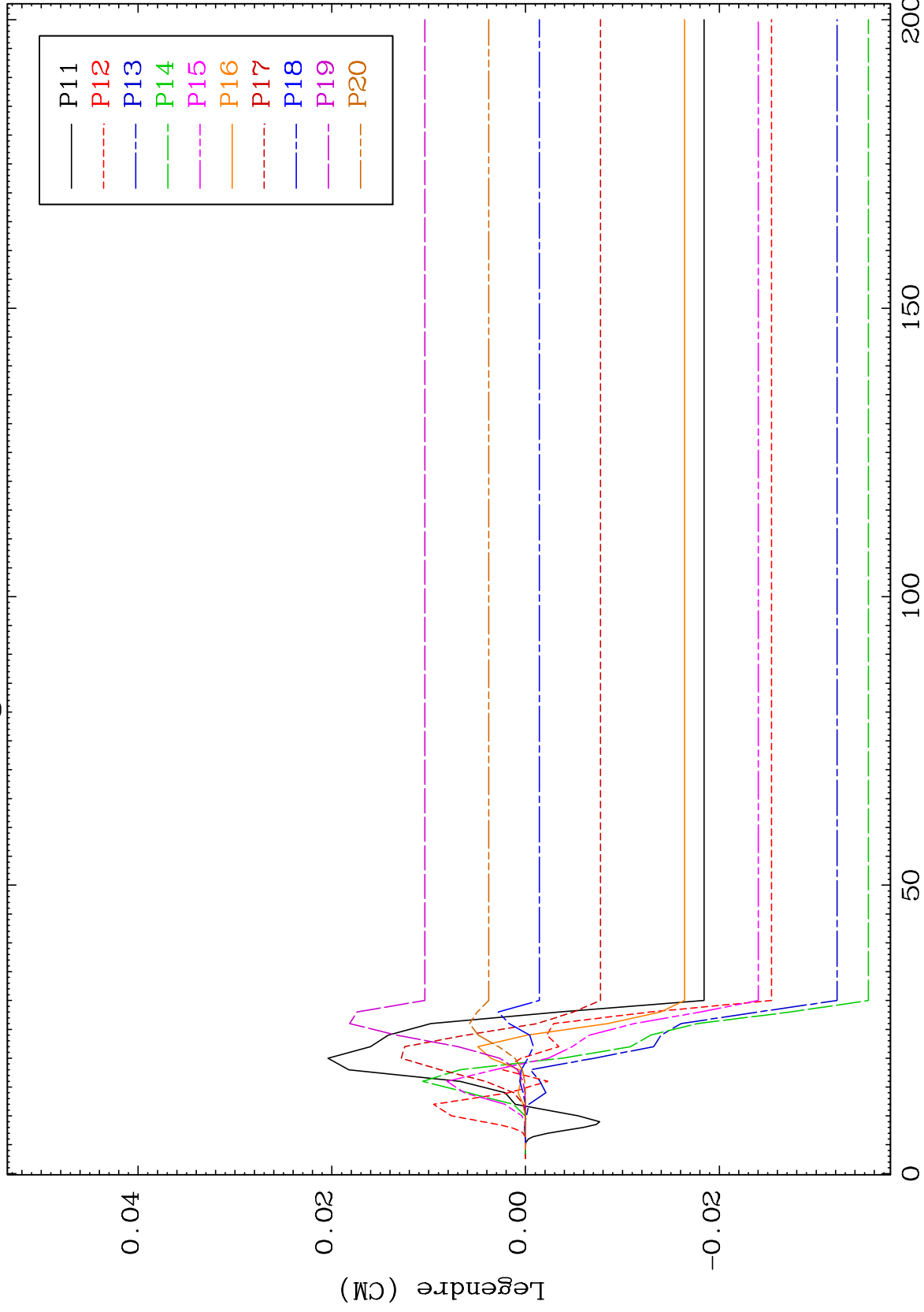




MAT 8049

1.717 MeV (n,n') Level
Legendre Coefficients

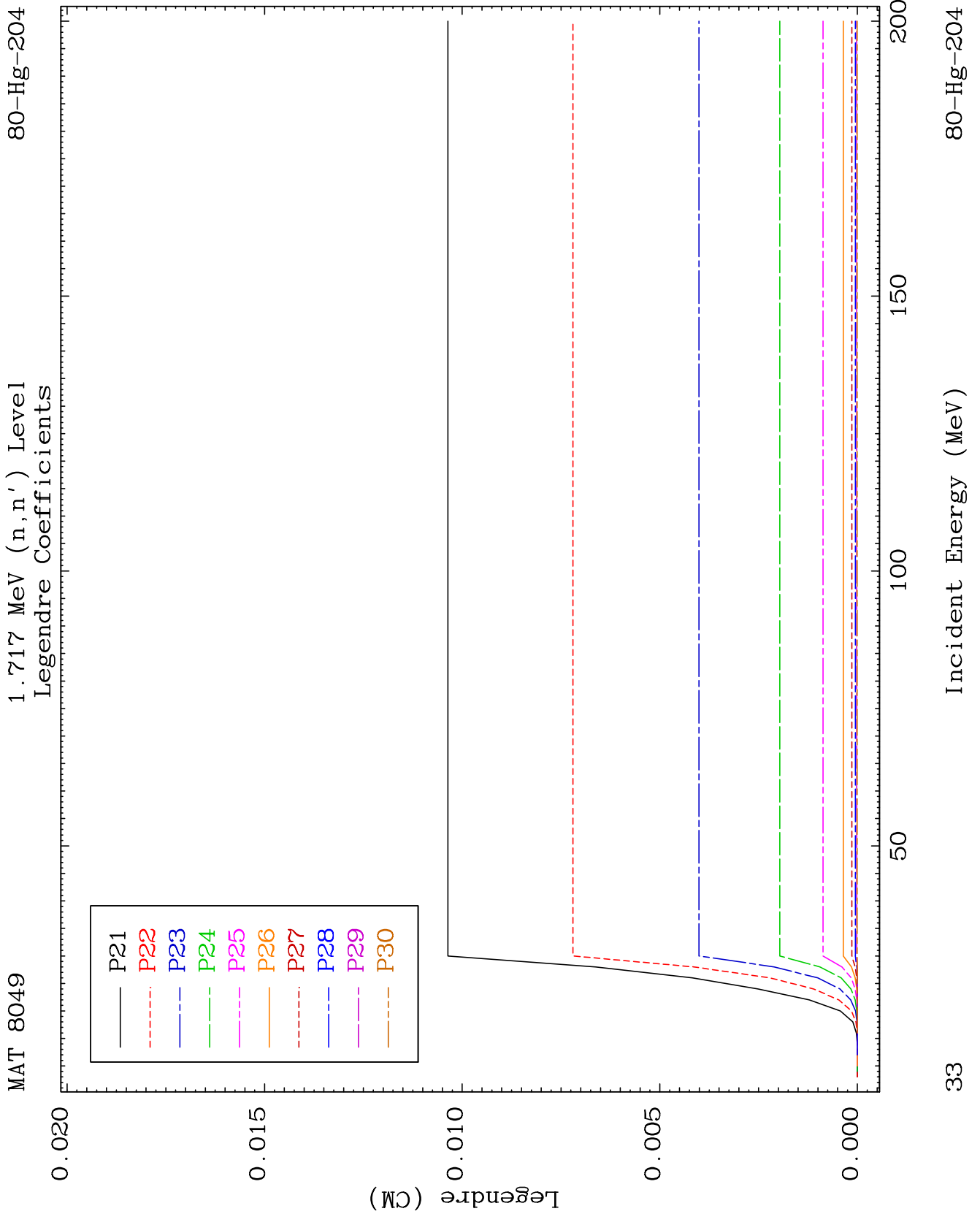
80-Hg-204

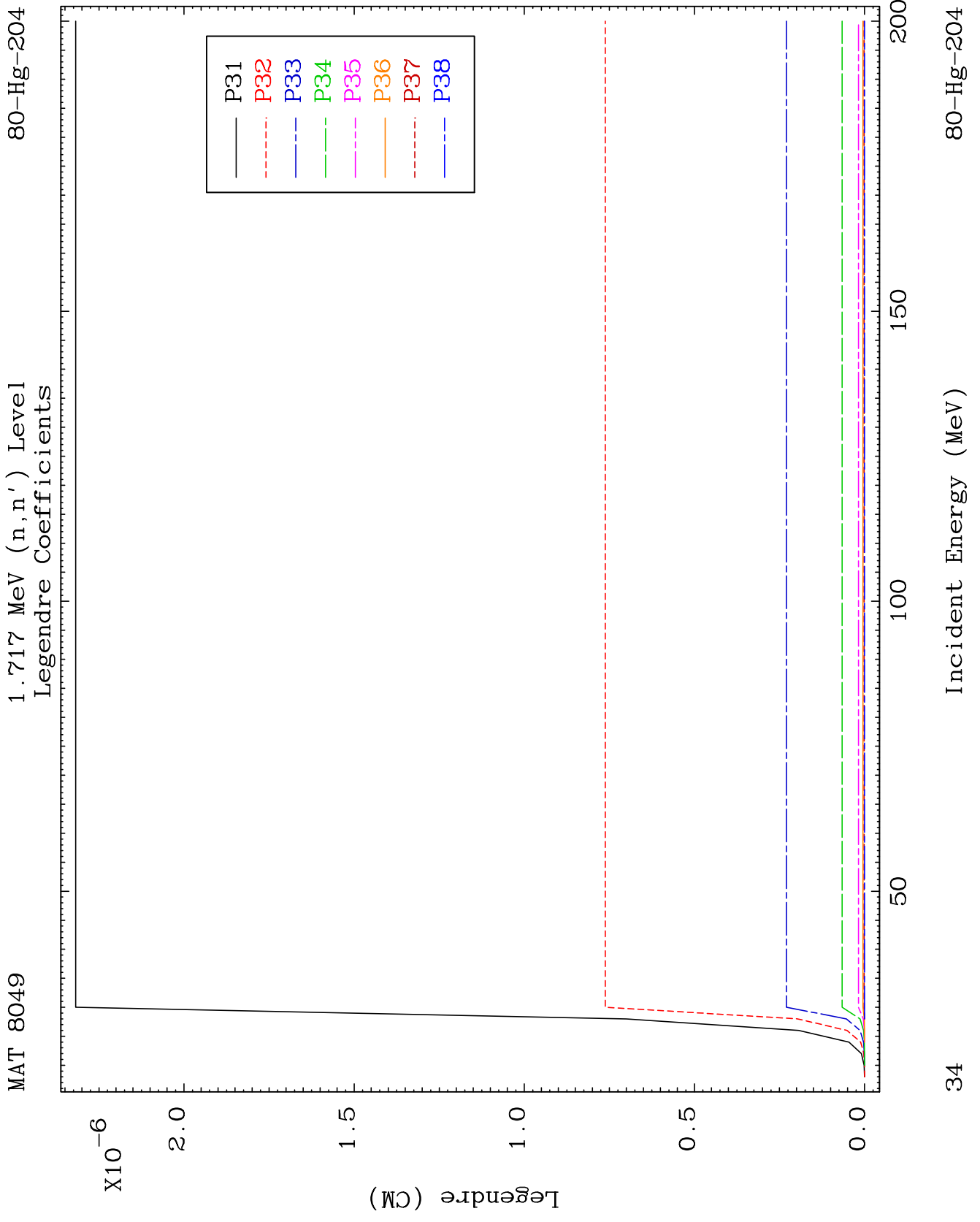


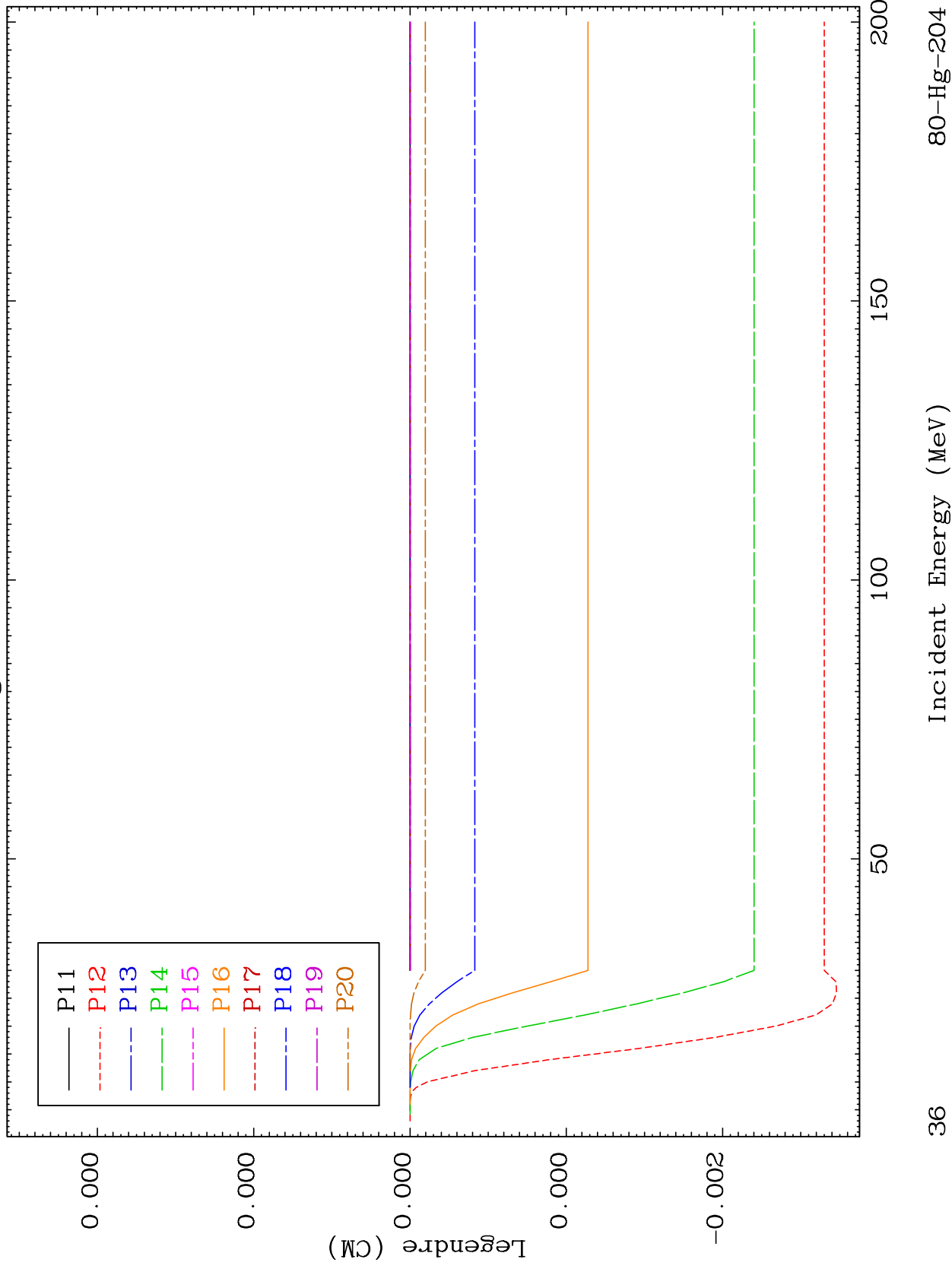
32

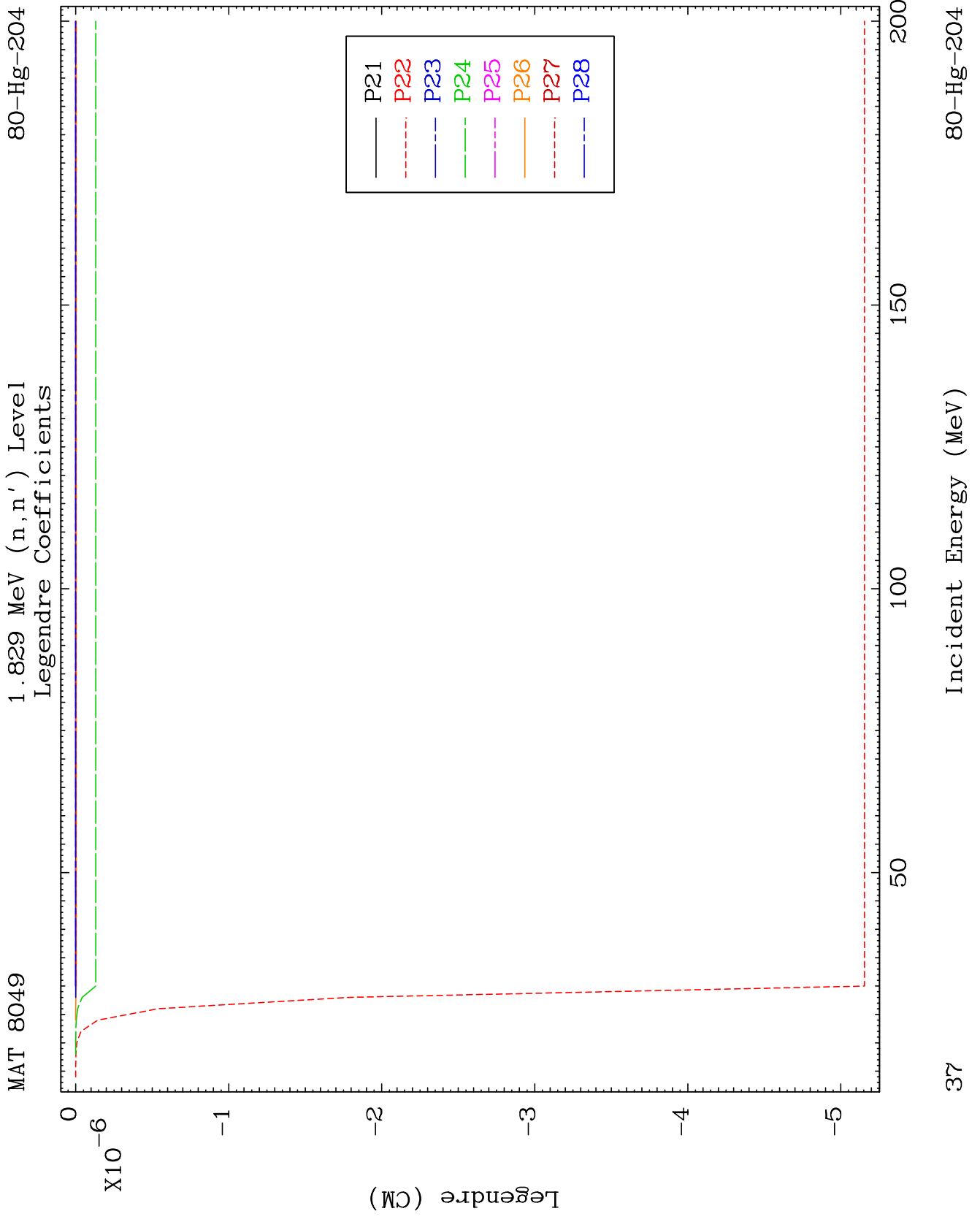
Incident Energy (MeV)

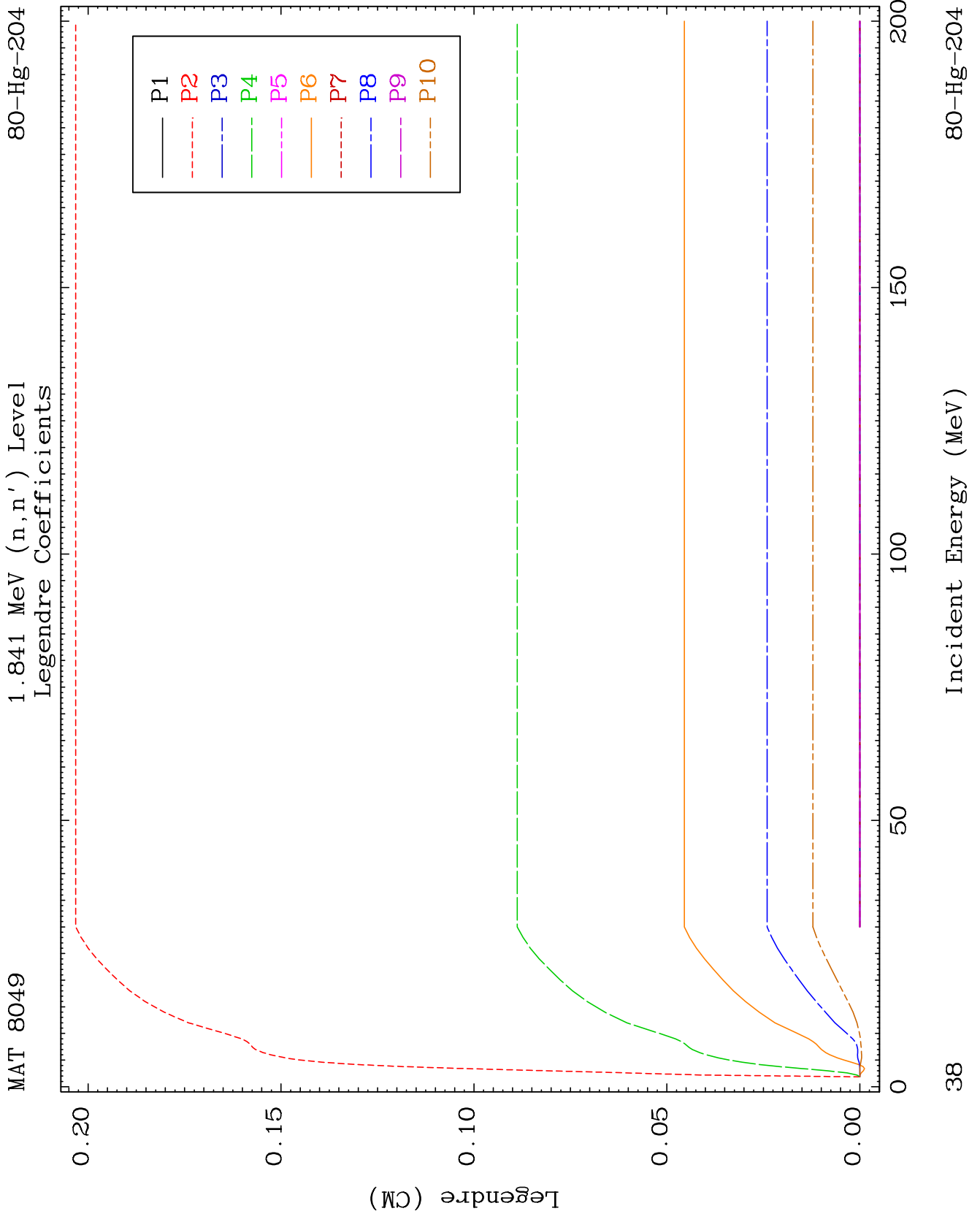
80-Hg-204

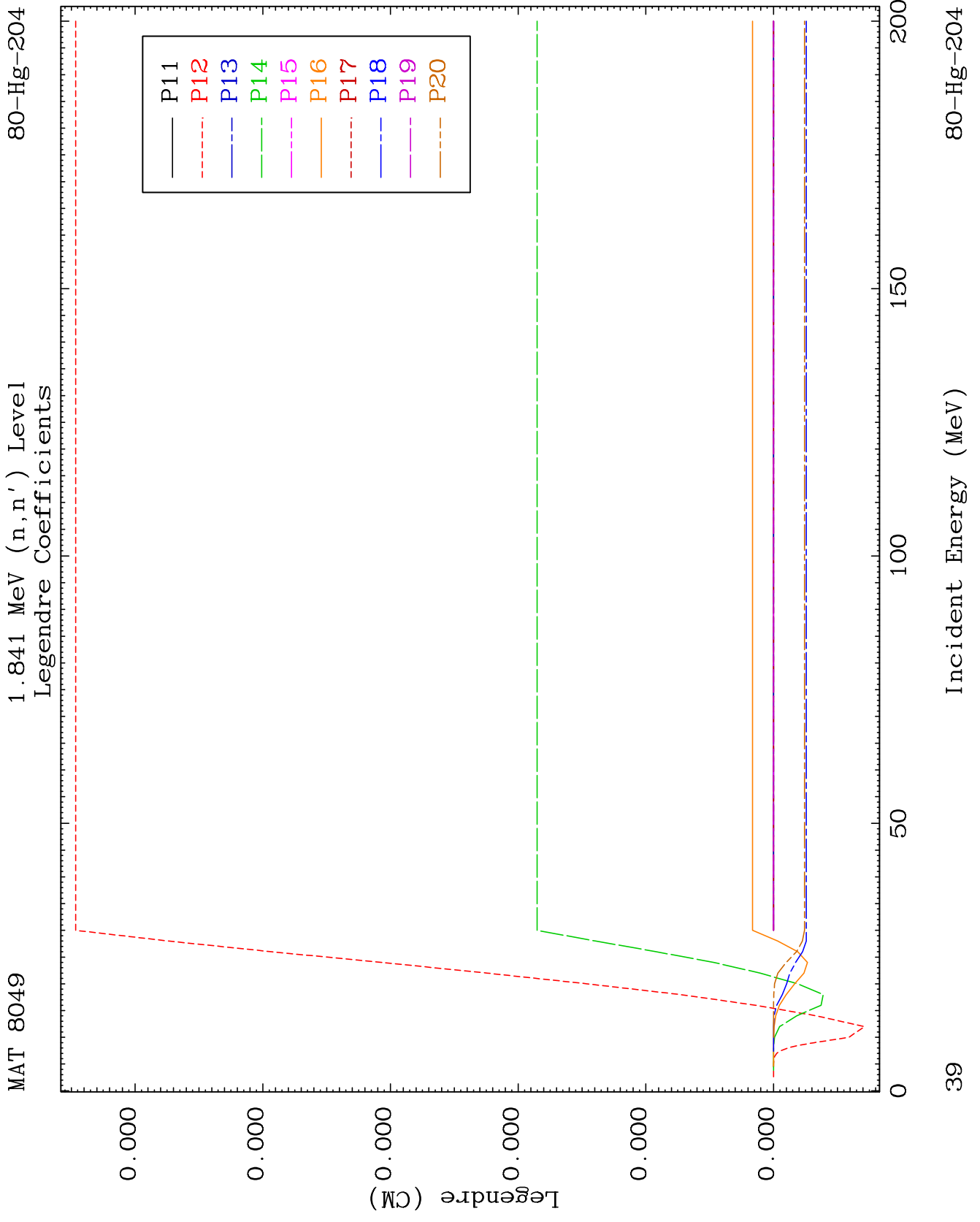


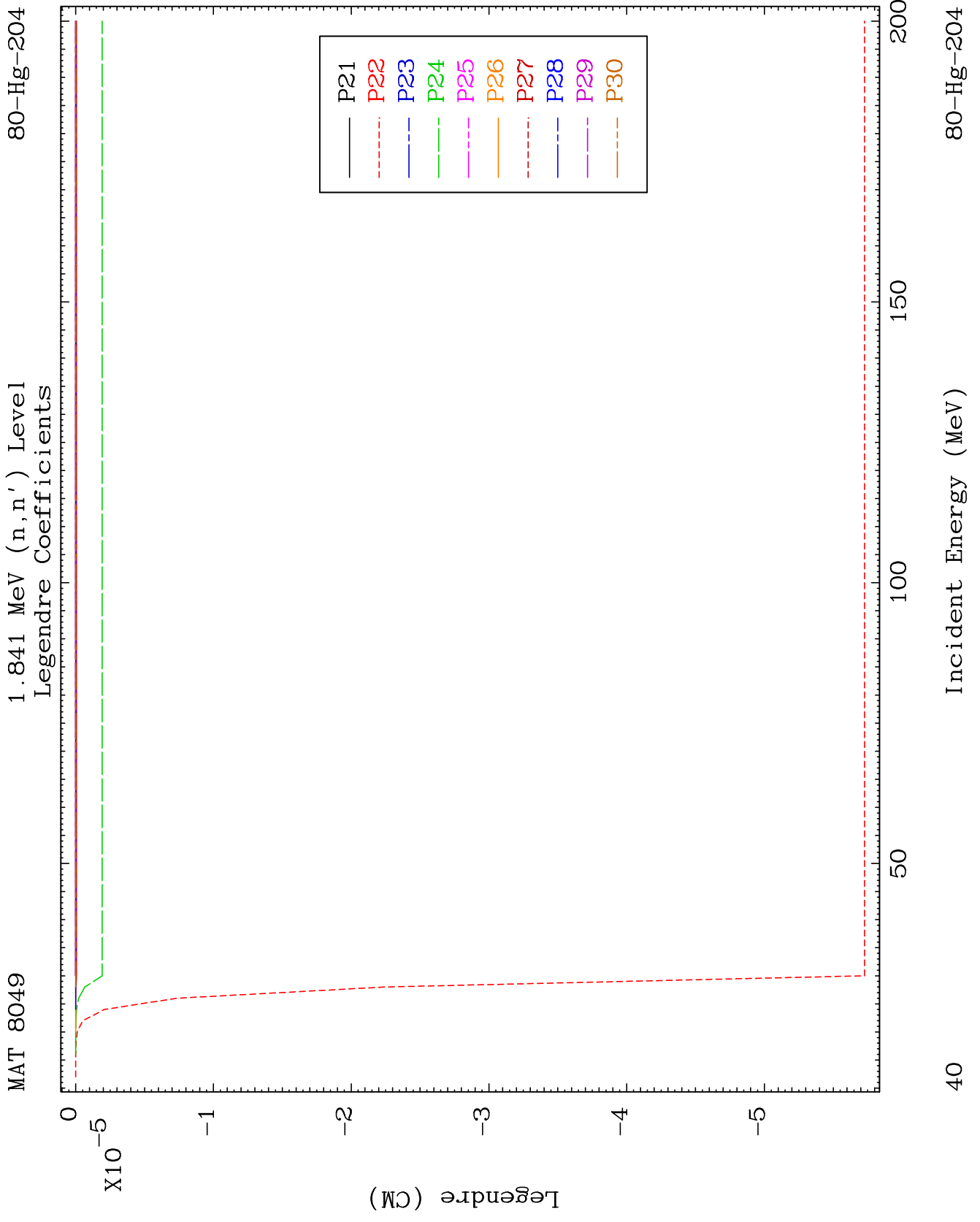








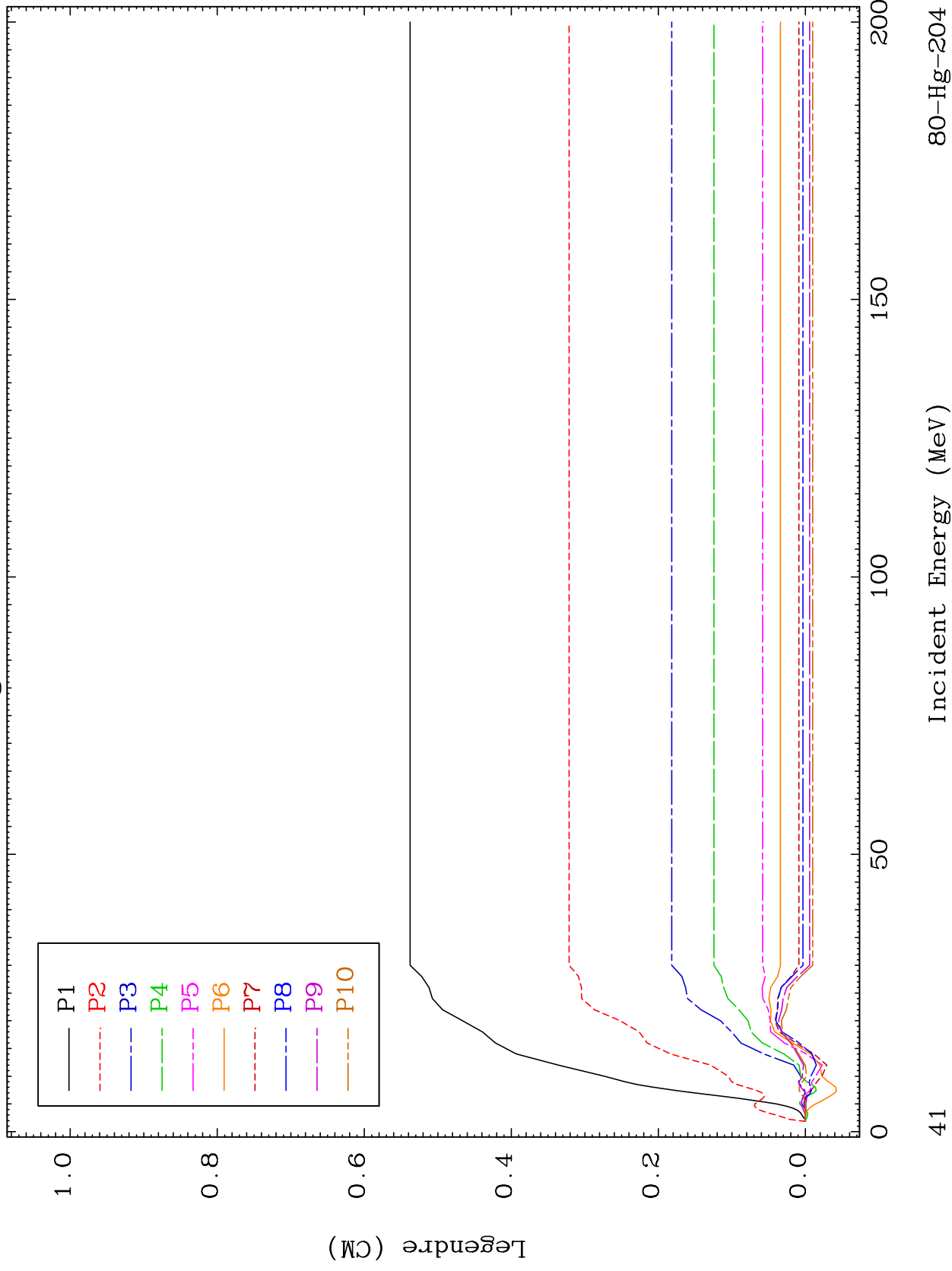




MAT 8049

1.851 MeV (n,n') Level
Legendre Coefficients

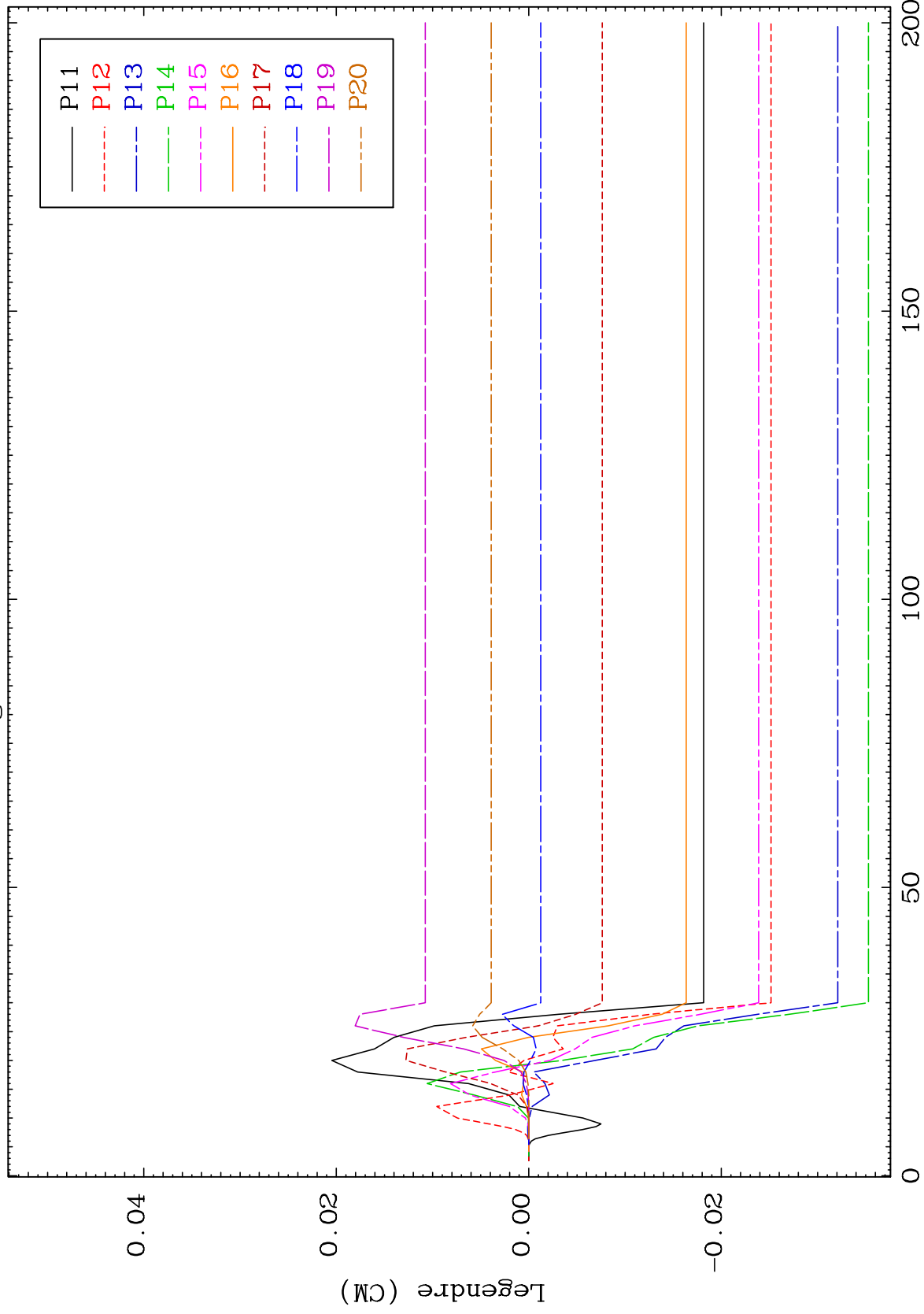
80-Hg-204



MAT 8049

1.851 MeV (n,n') Level
Legendre Coefficients

80-Hg-204



42

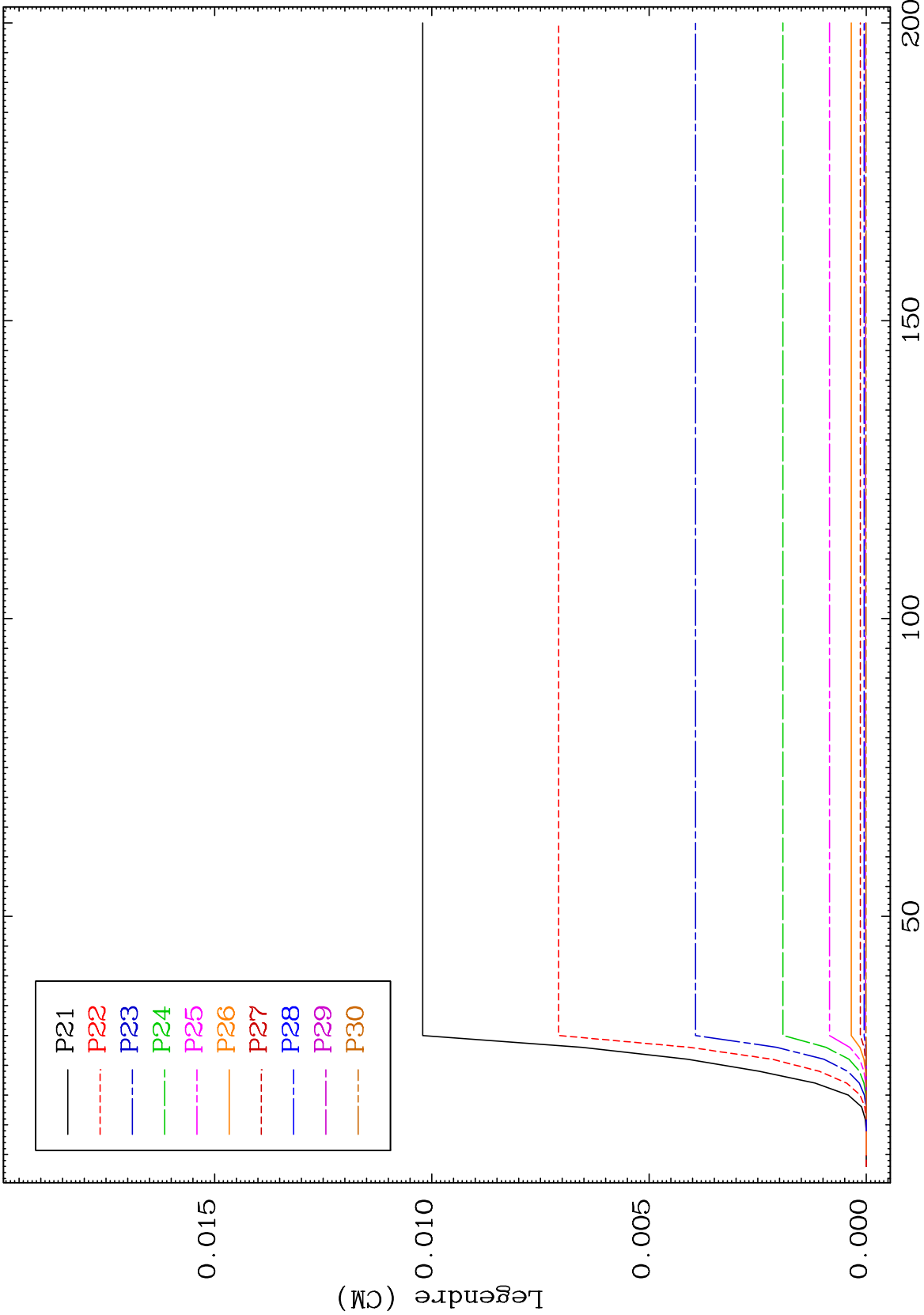
Incident Energy (MeV)

80-Hg-204

MAT 8049

1.851 MeV (n,n') Level
Legendre Coefficients

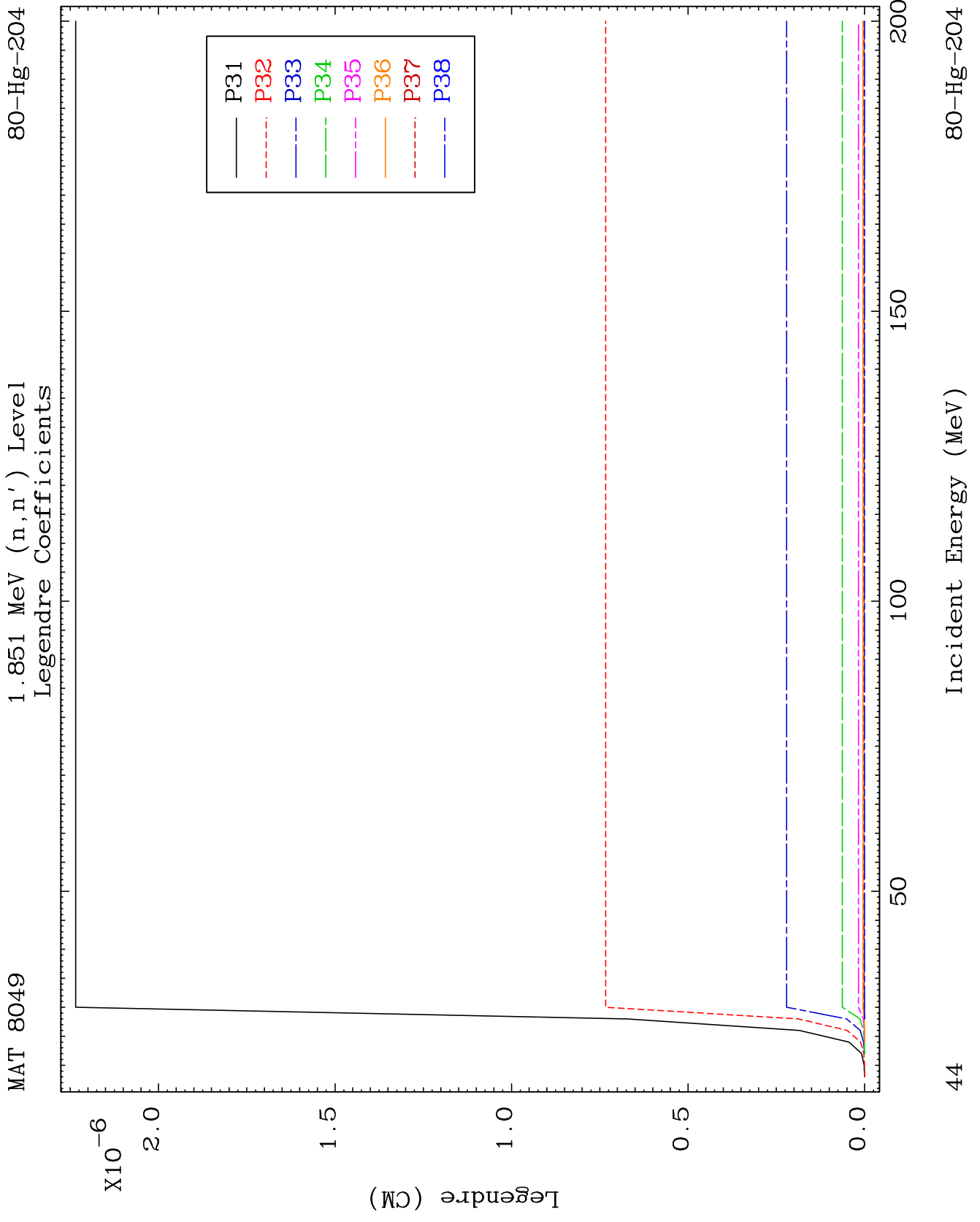
80-Hg-204



43

Incident Energy (MeV)

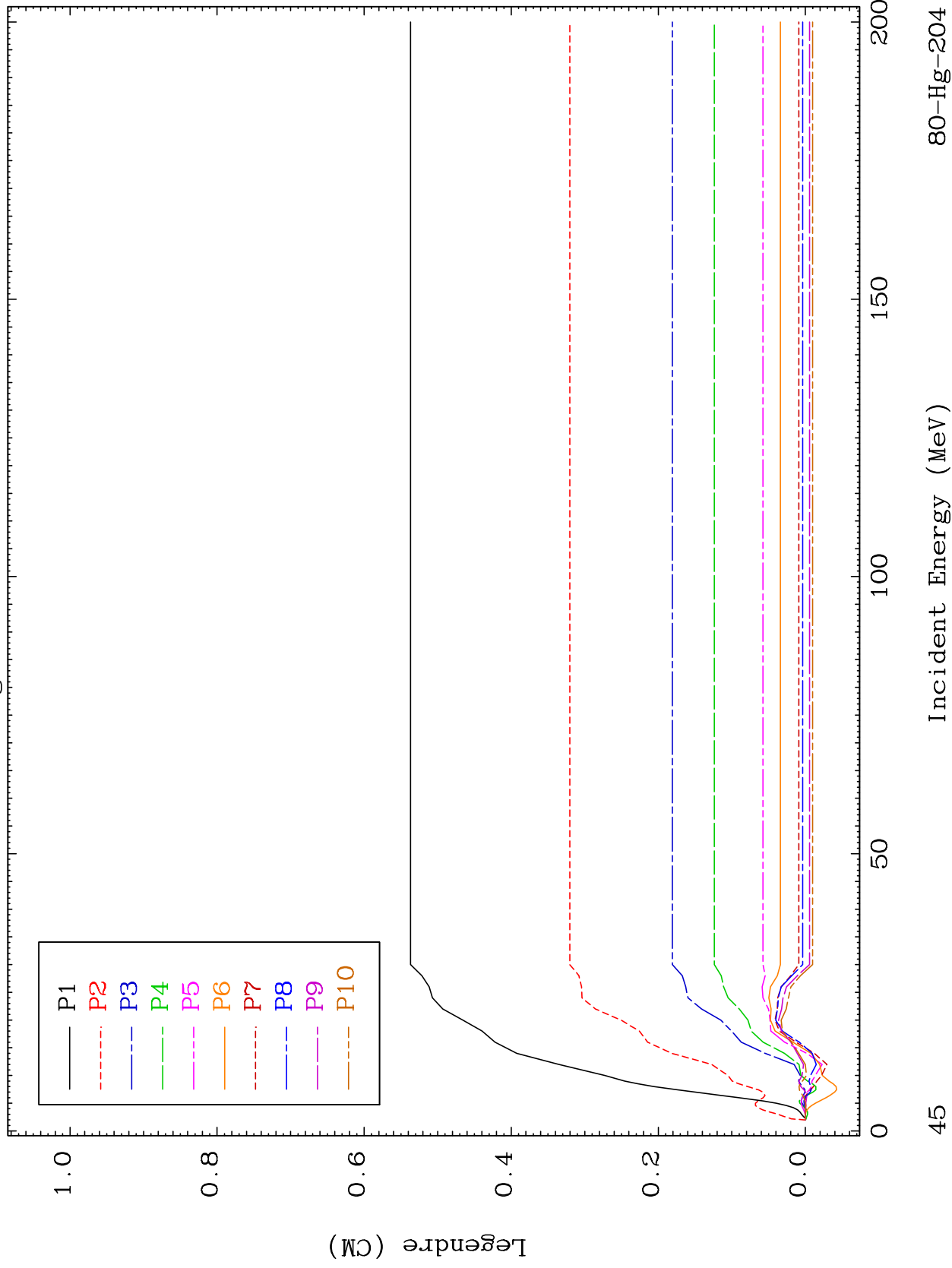
80-Hg-204



MAT 8049

1.948 MeV (n, n') Level
Legendre Coefficients

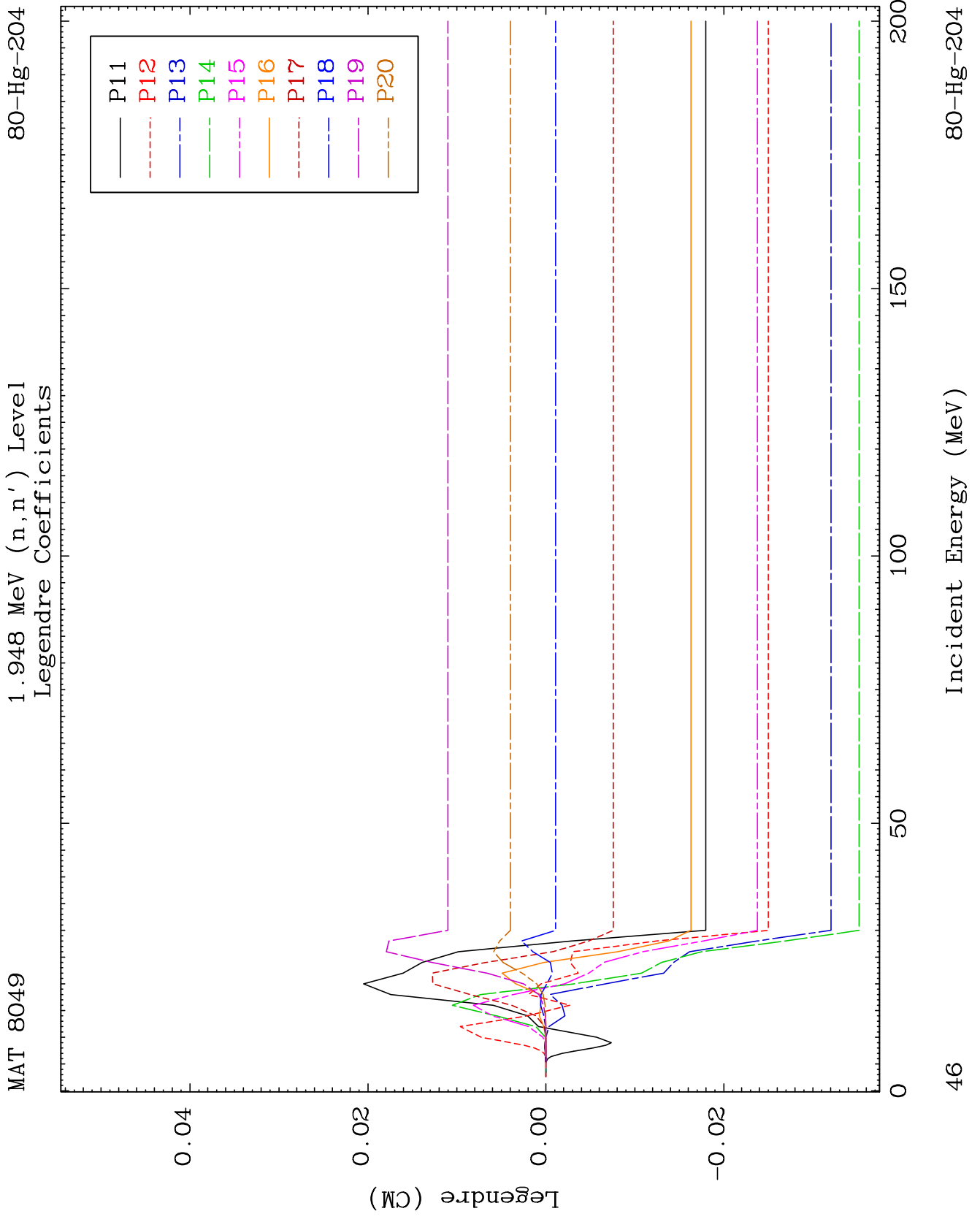
80-Hg-204



80-Hg-204

Incident Energy (MeV)

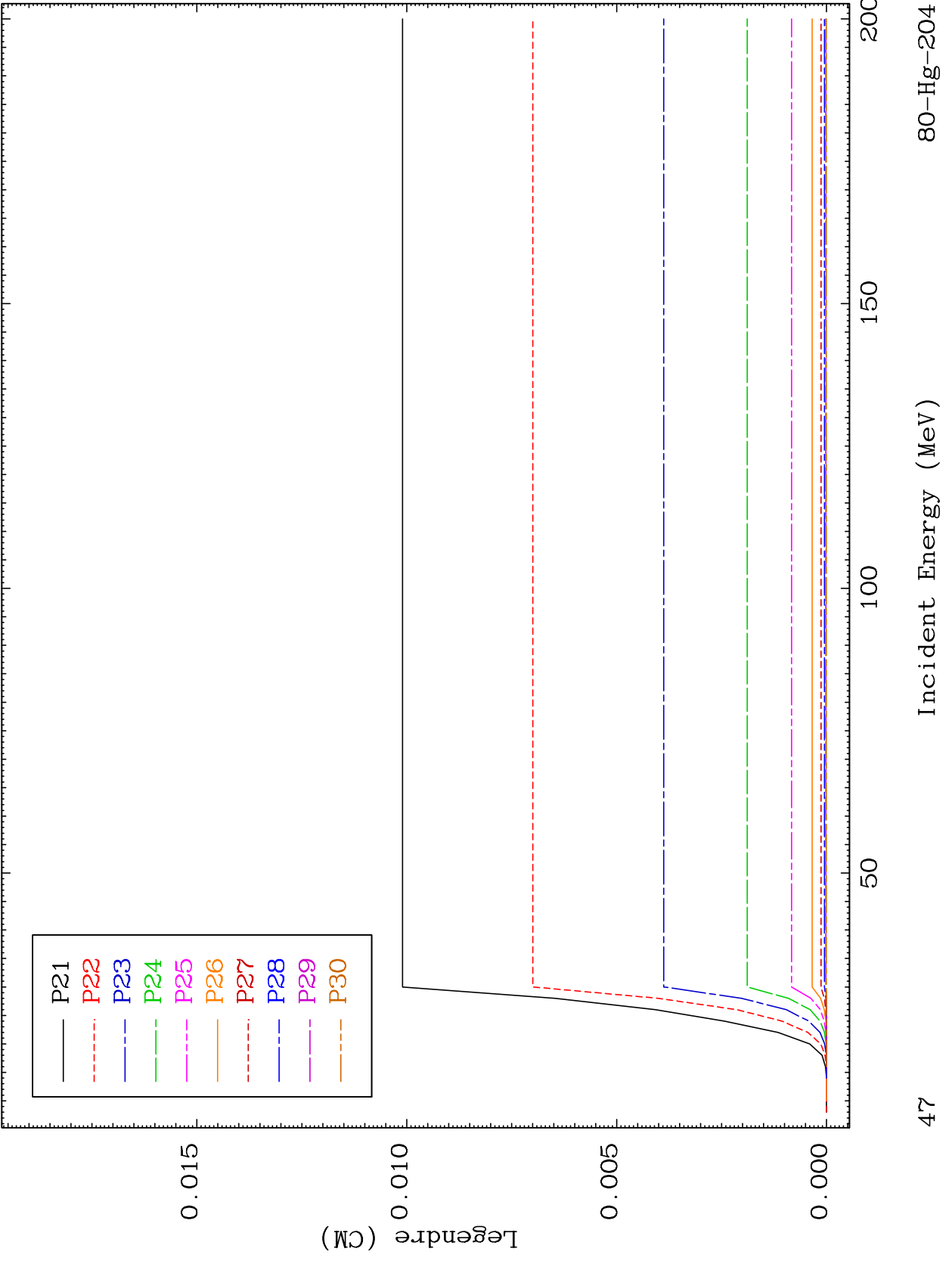
45



MAT 8049

1.948 MeV (n,n') Level
Legendre Coefficients

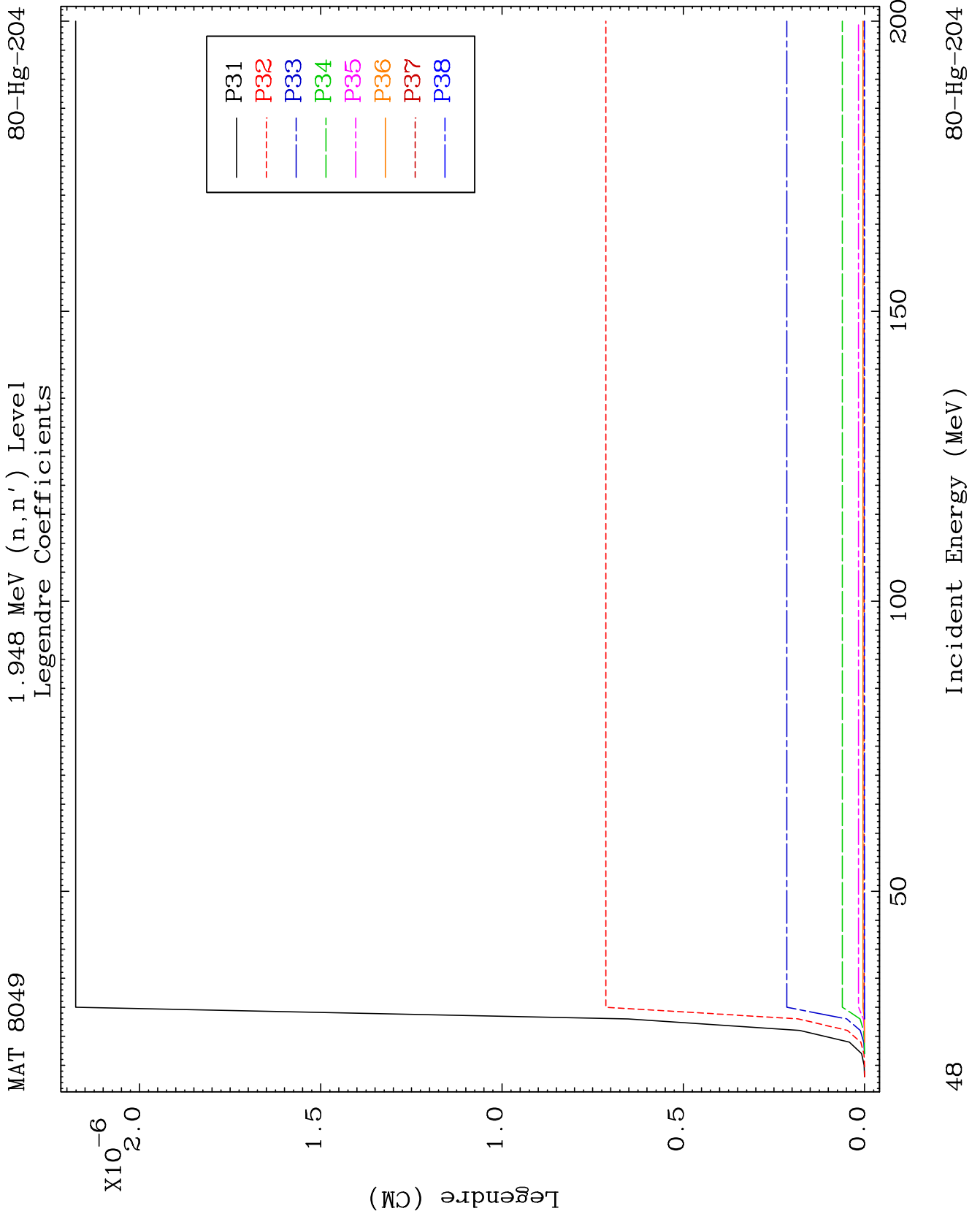
80-Hg-204



47

Incident Energy (MeV)

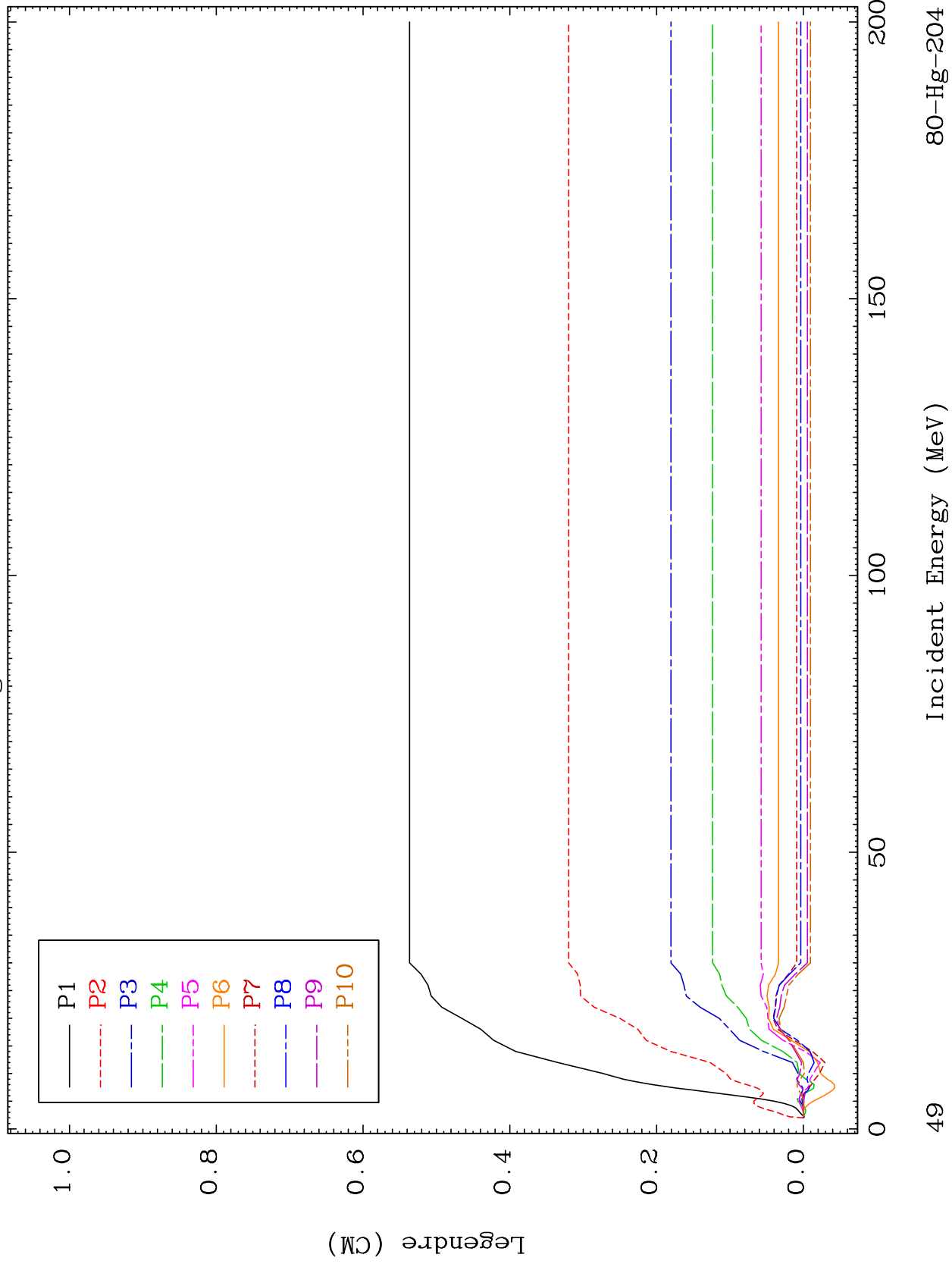
80-Hg-204

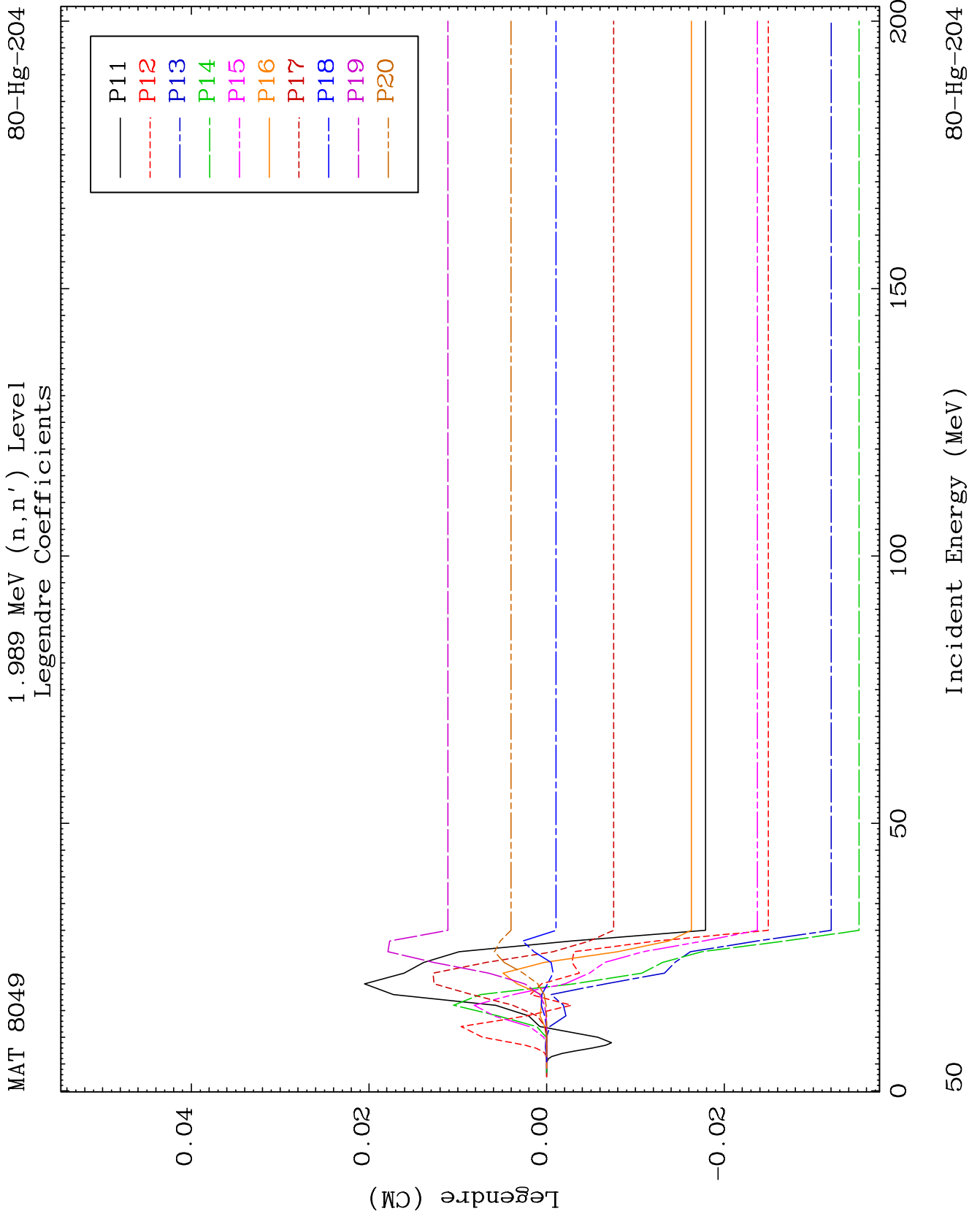


MAT 8049

1.989 MeV (n, n') Level
Legendre Coefficients

80-Hg-204

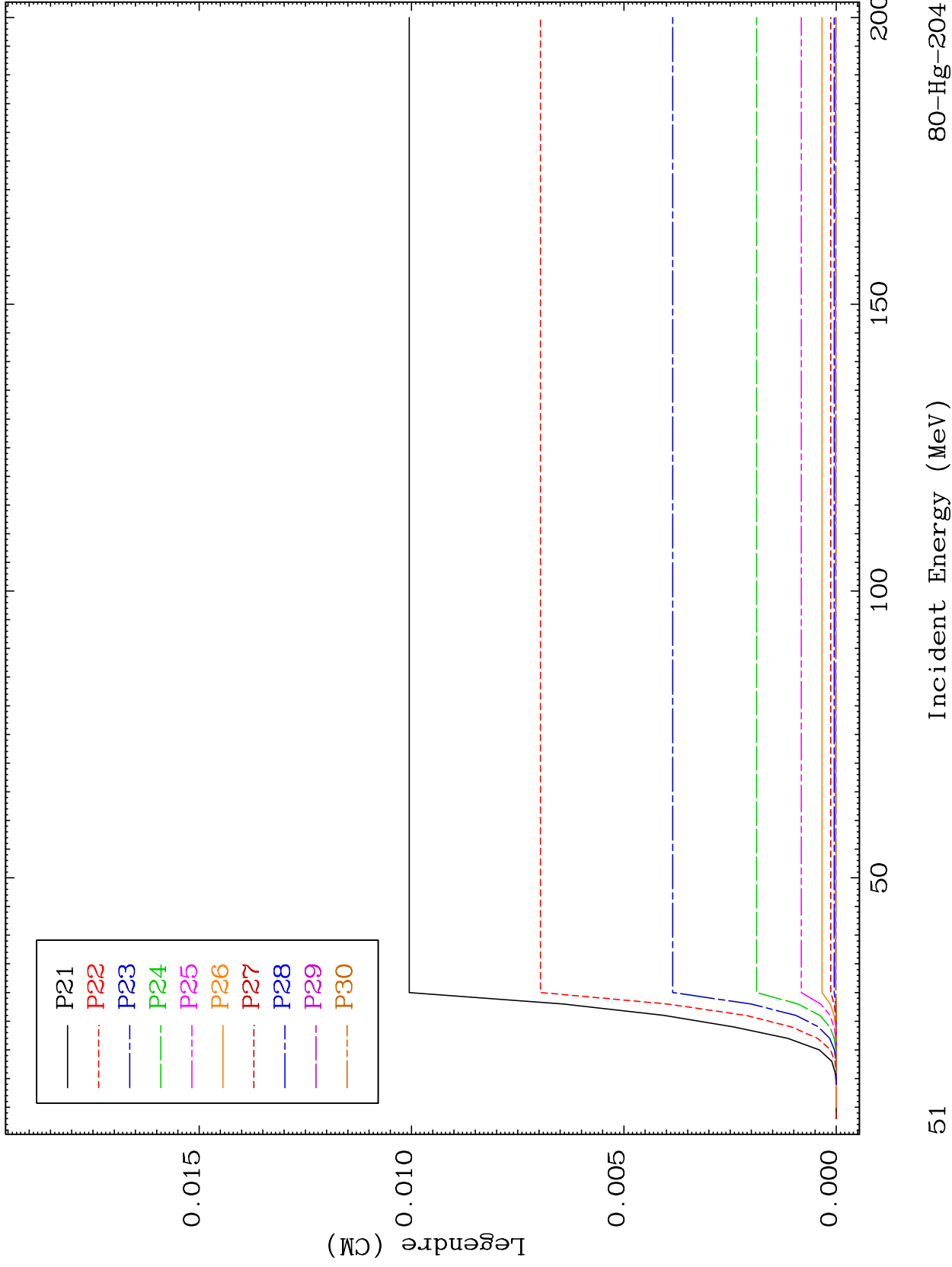




MAT 8049

1.989 MeV (n,n') Level
Legendre Coefficients

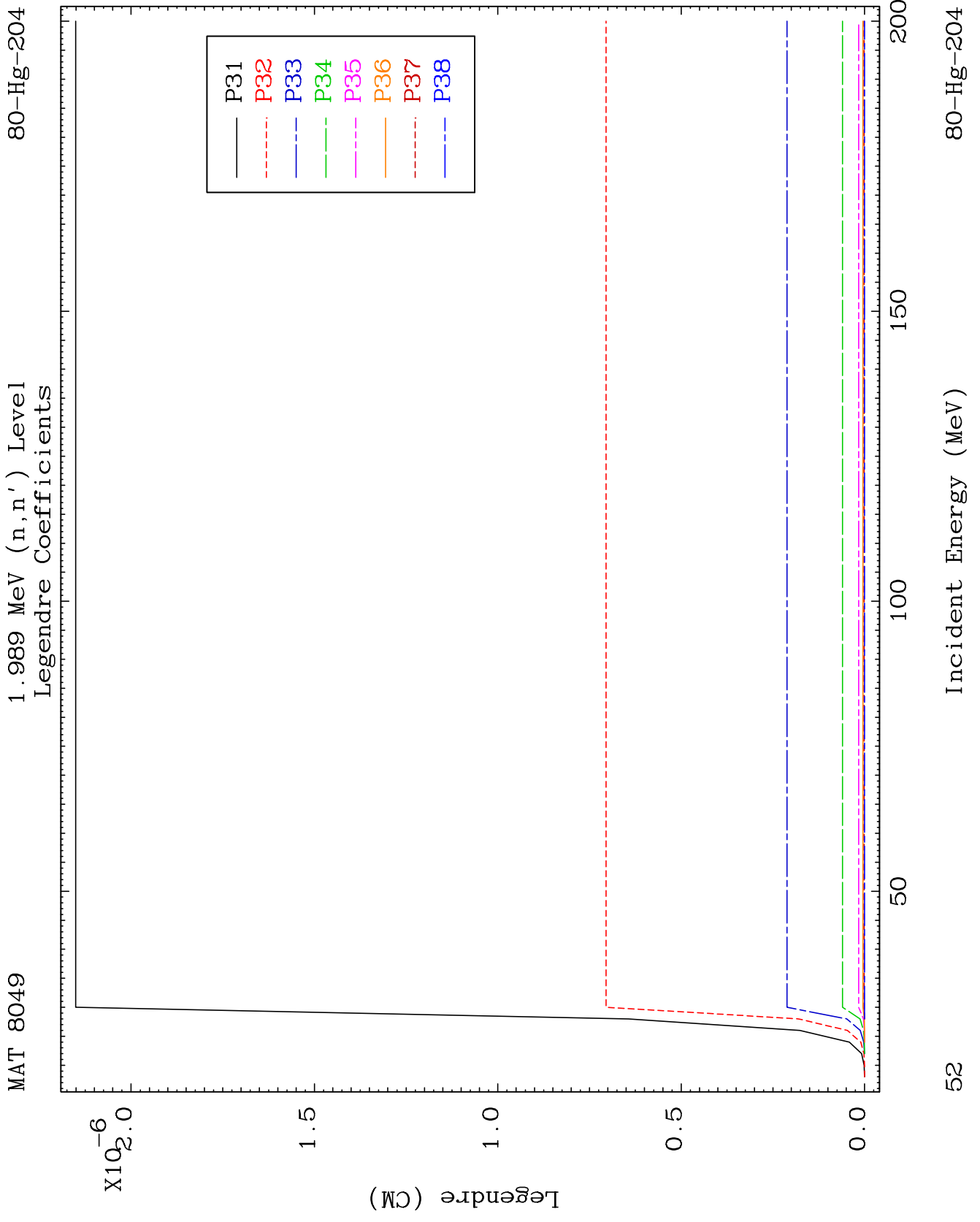
80-Hg-204

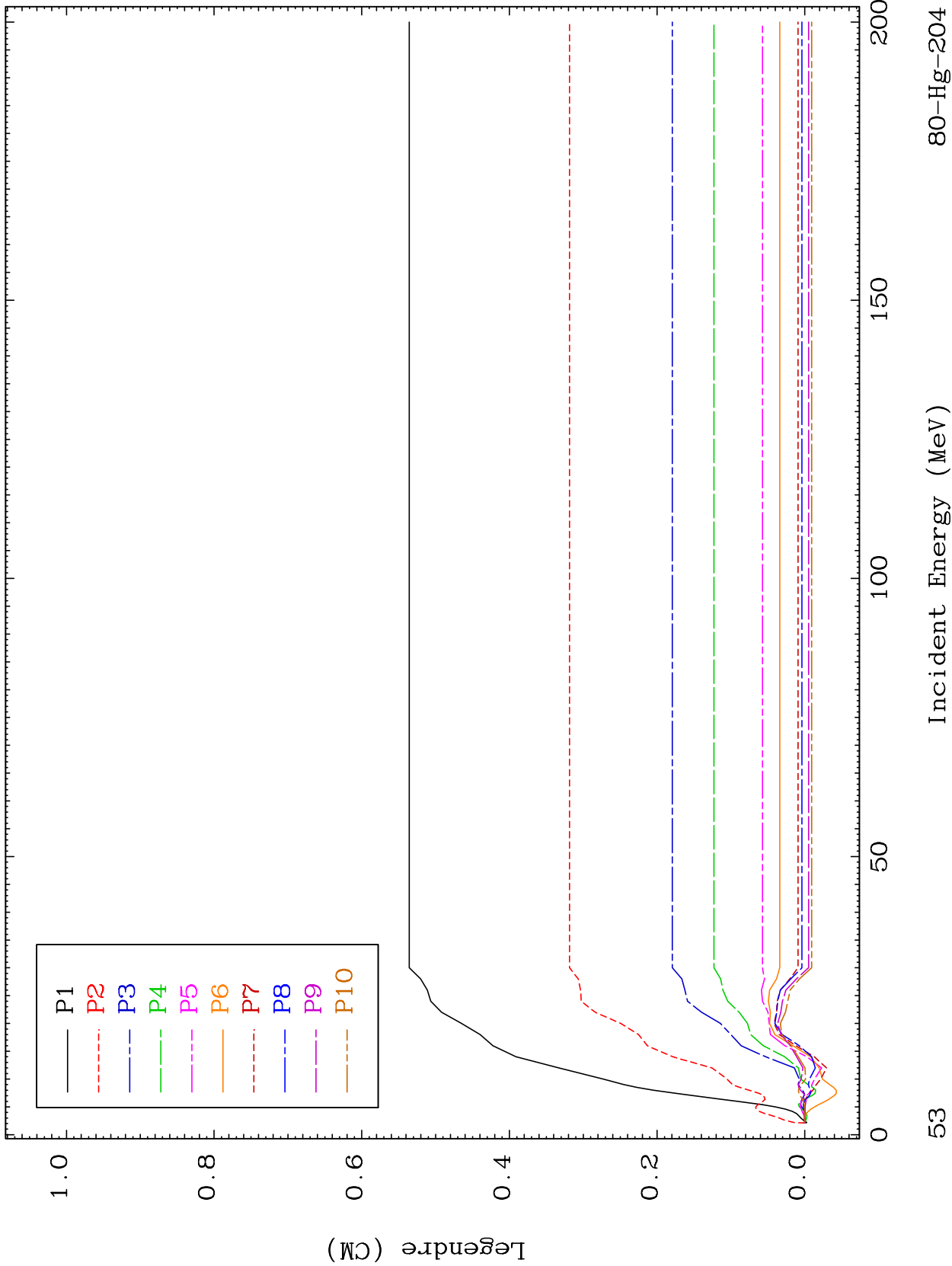


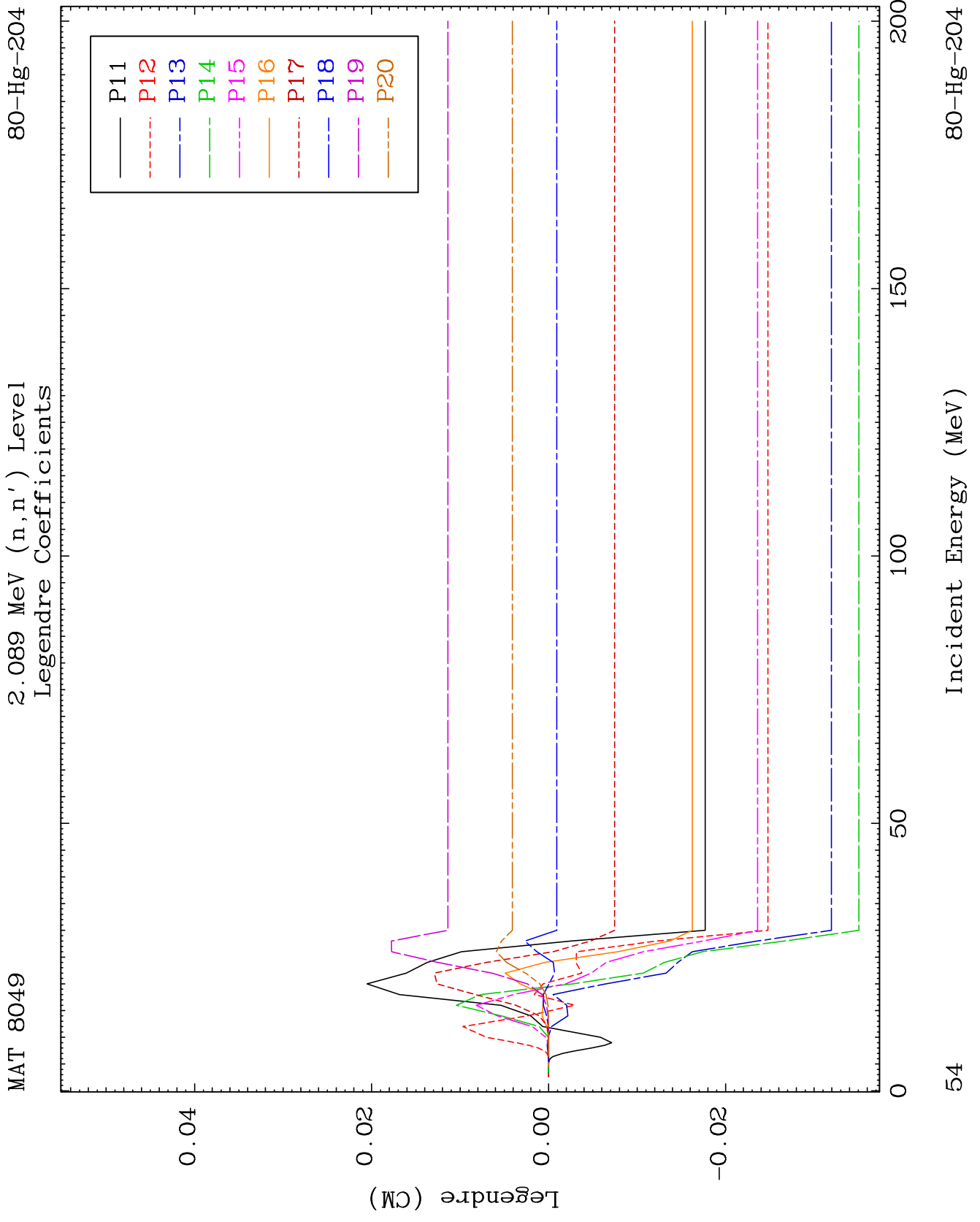
51

Incident Energy (MeV)

80-Hg-204



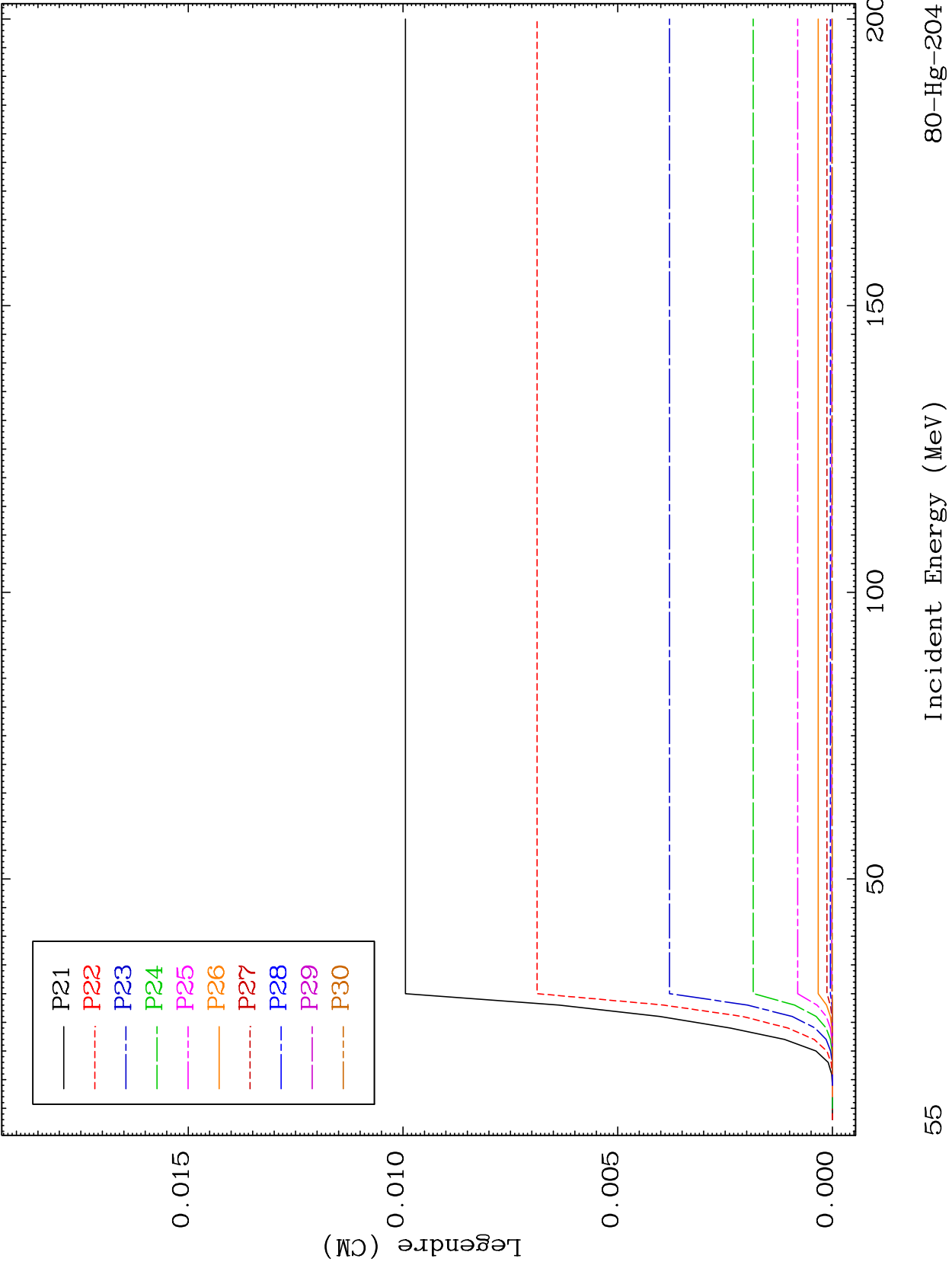




MAT 8049

2.089 MeV (n, n') Level
Legendre Coefficients

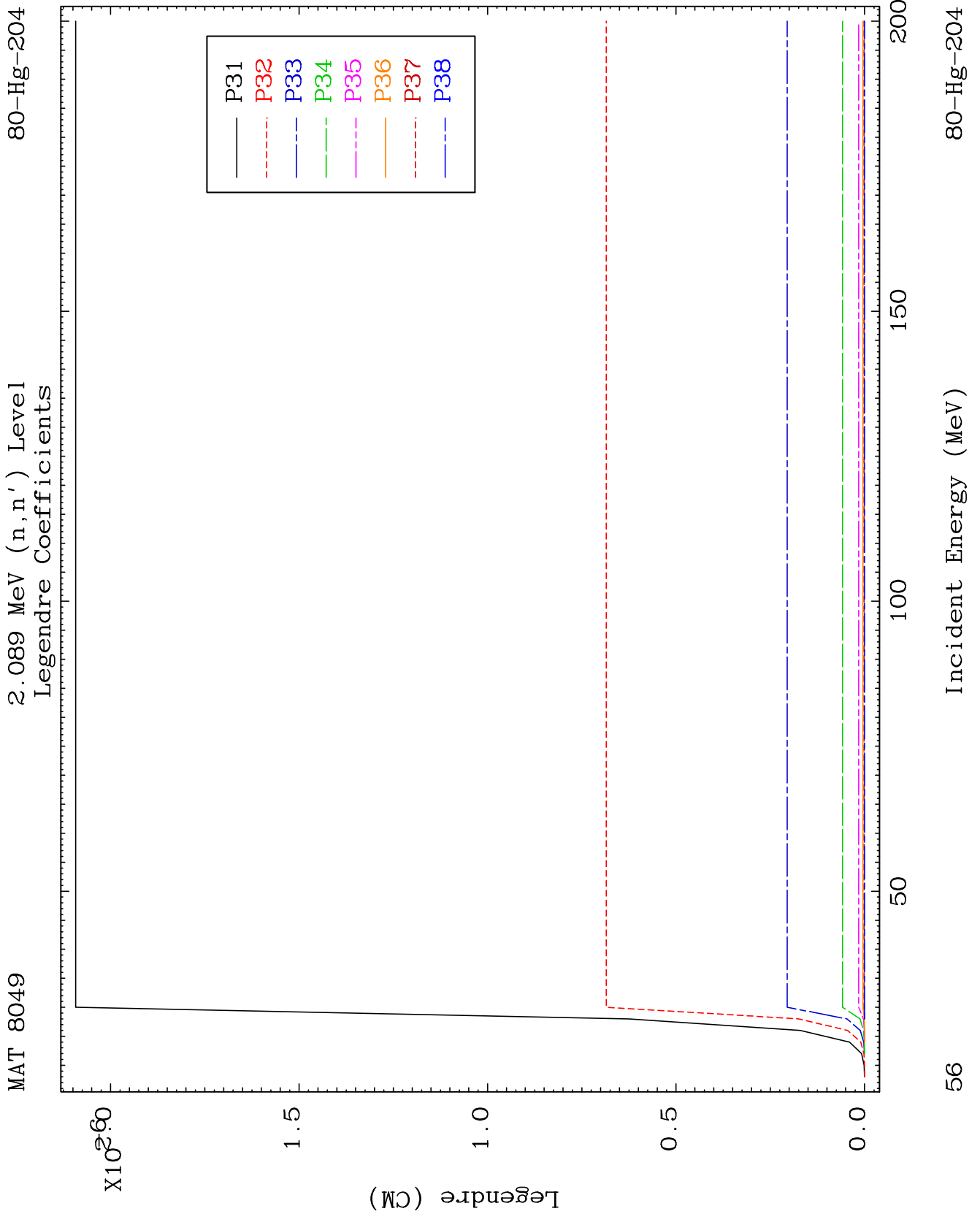
80-Hg-204

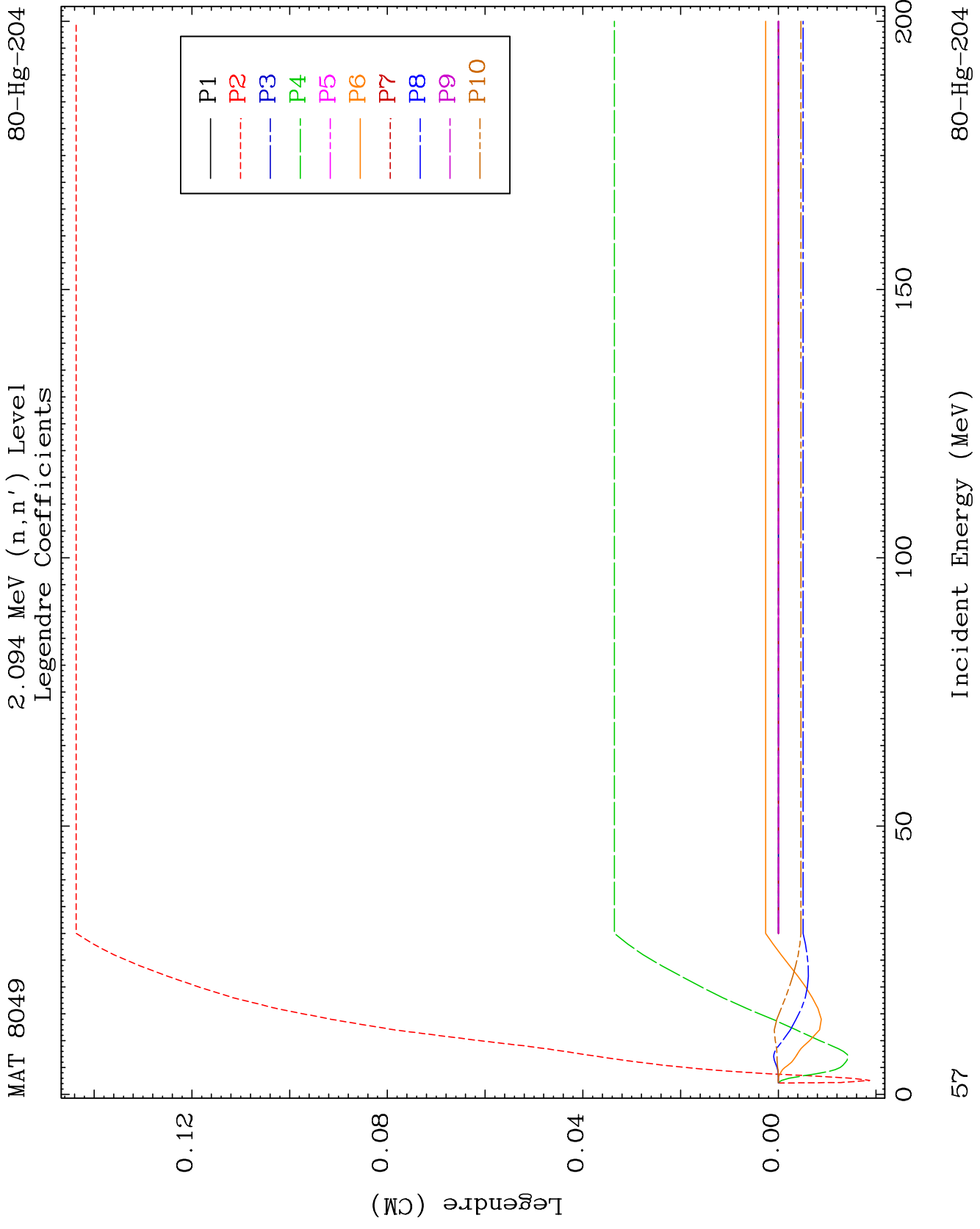


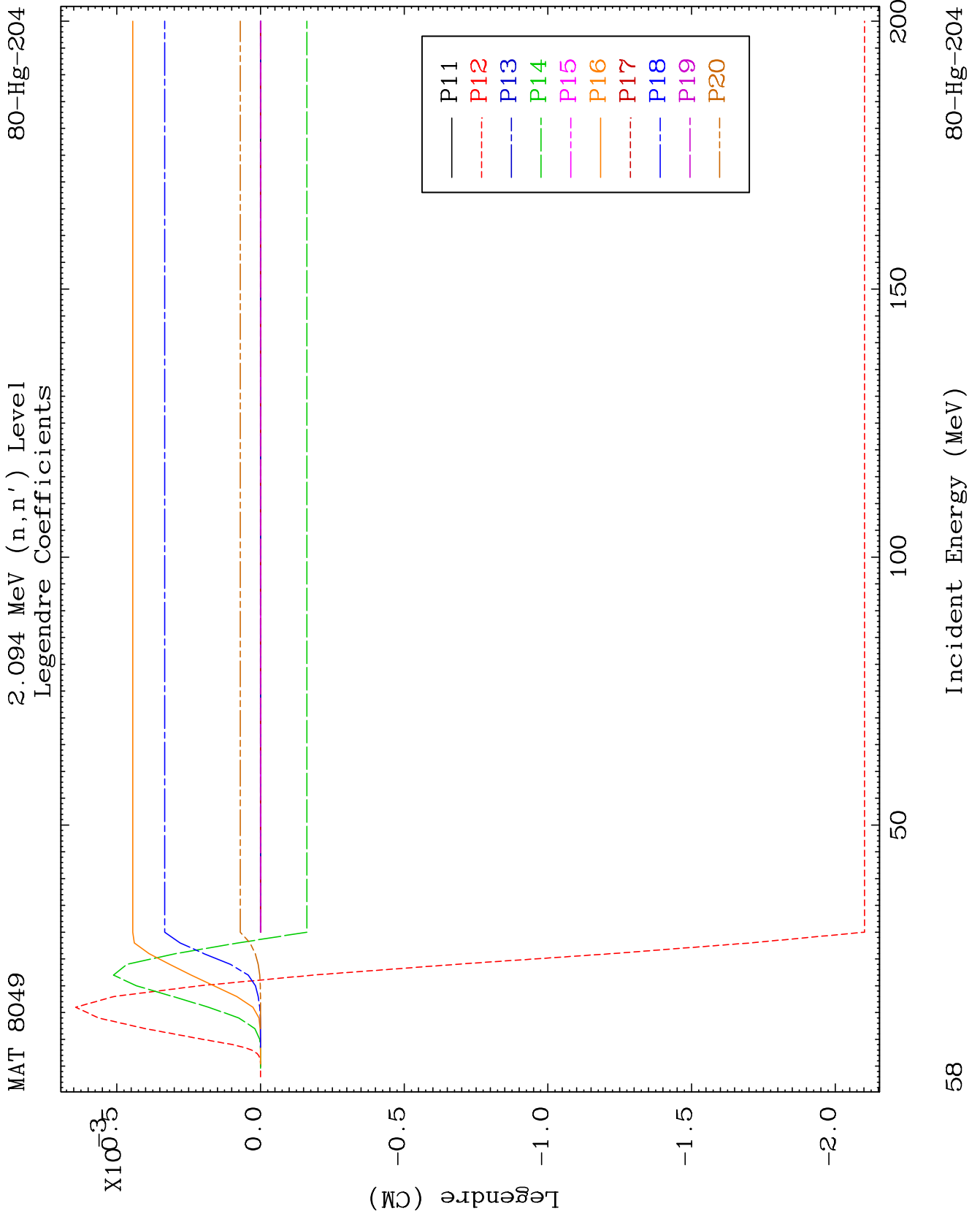
55

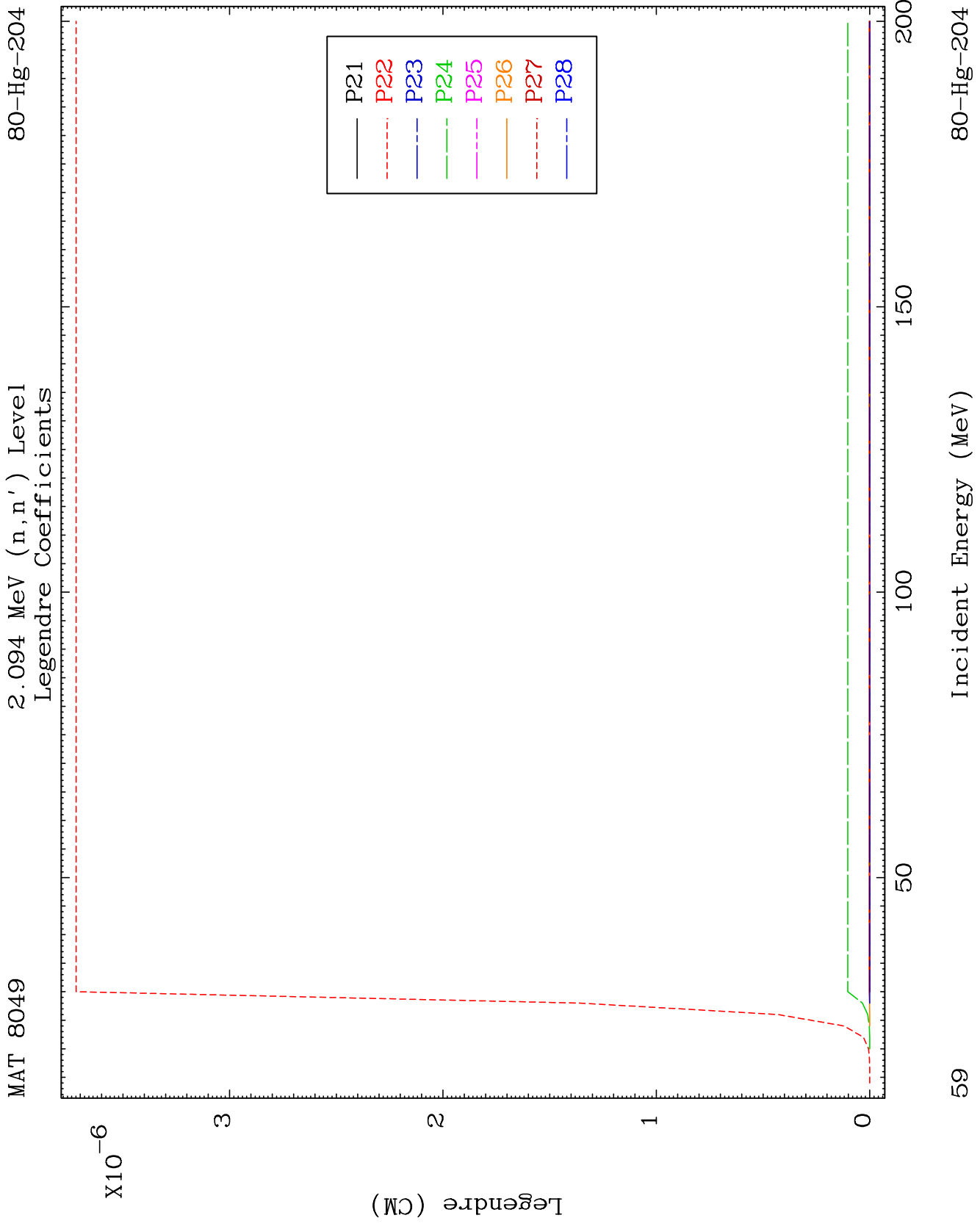
Incident Energy (MeV)

80-Hg-204





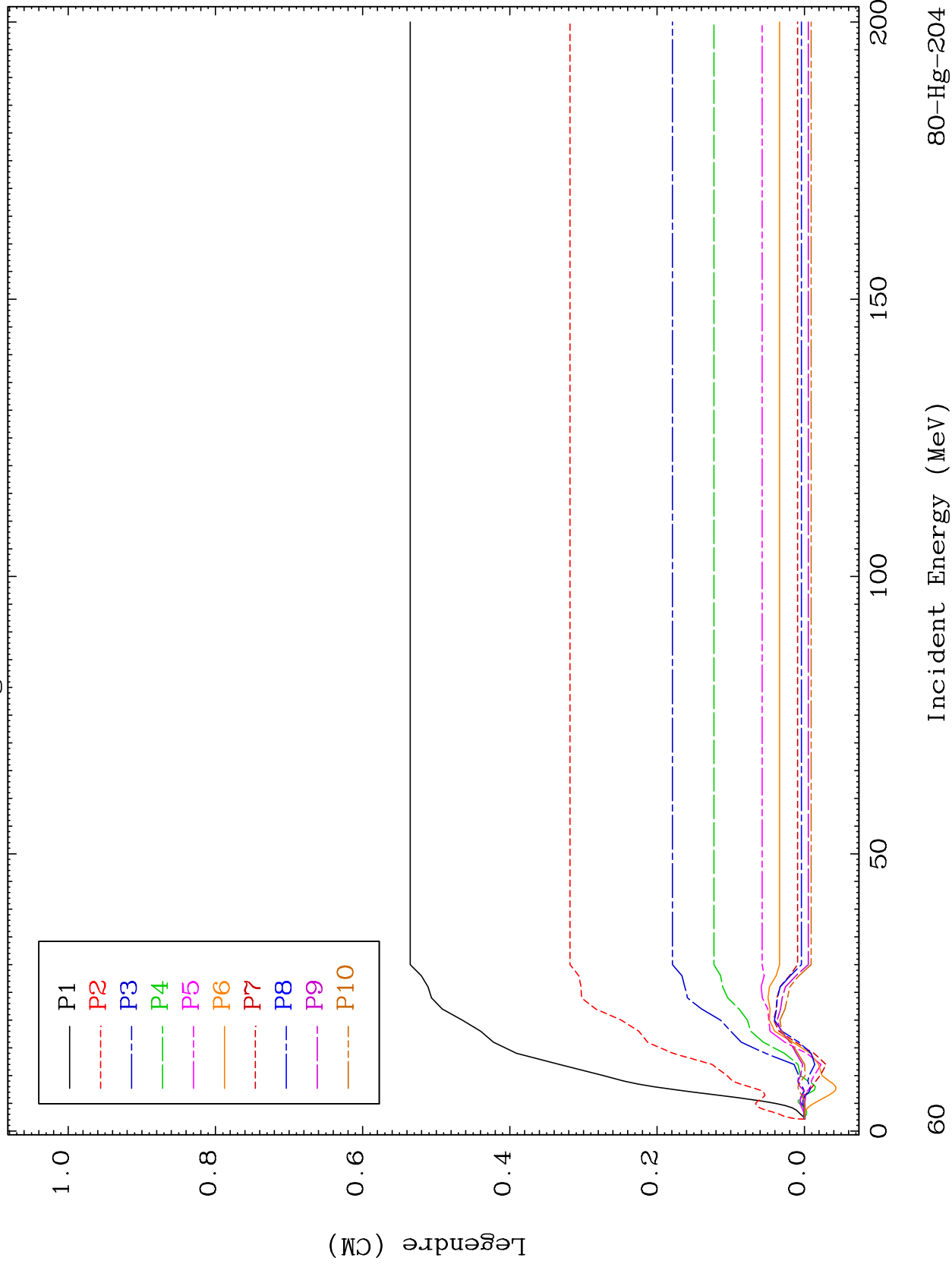


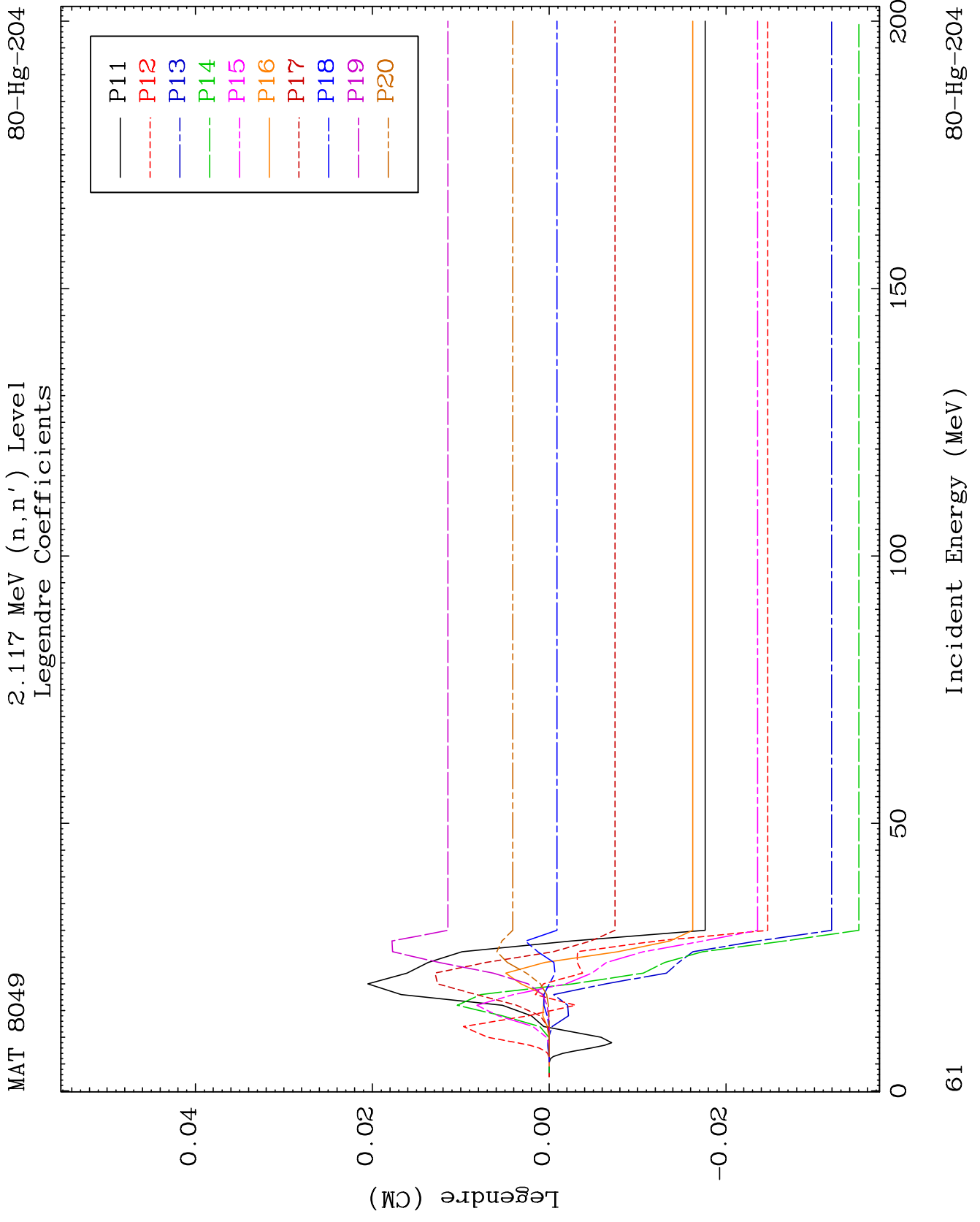


MAT 8049

2.117 MeV (n,n') Level
Legendre Coefficients

80-Hg-204

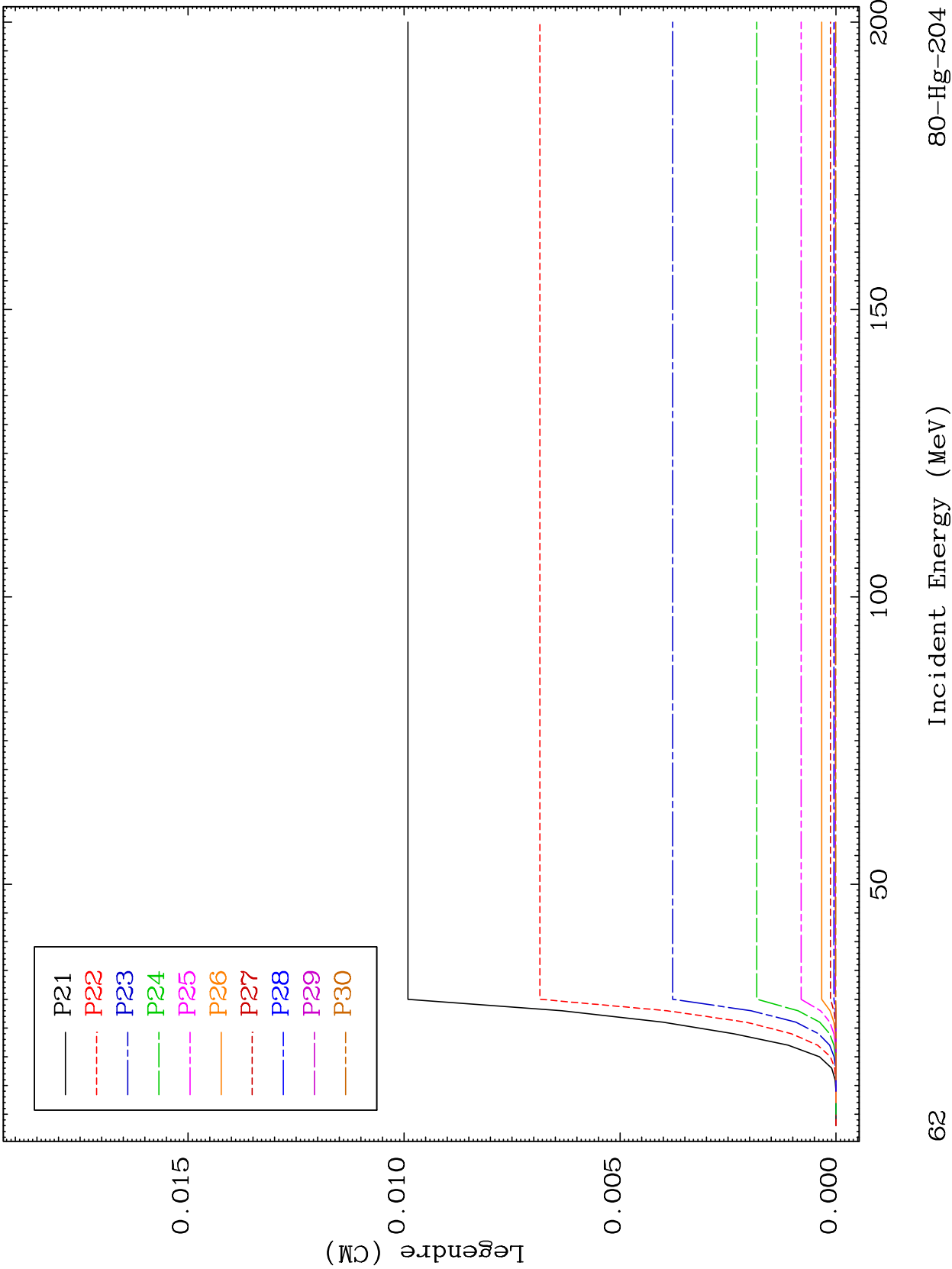




MAT 8049

2.117 MeV (n,n') Level
Legendre Coefficients

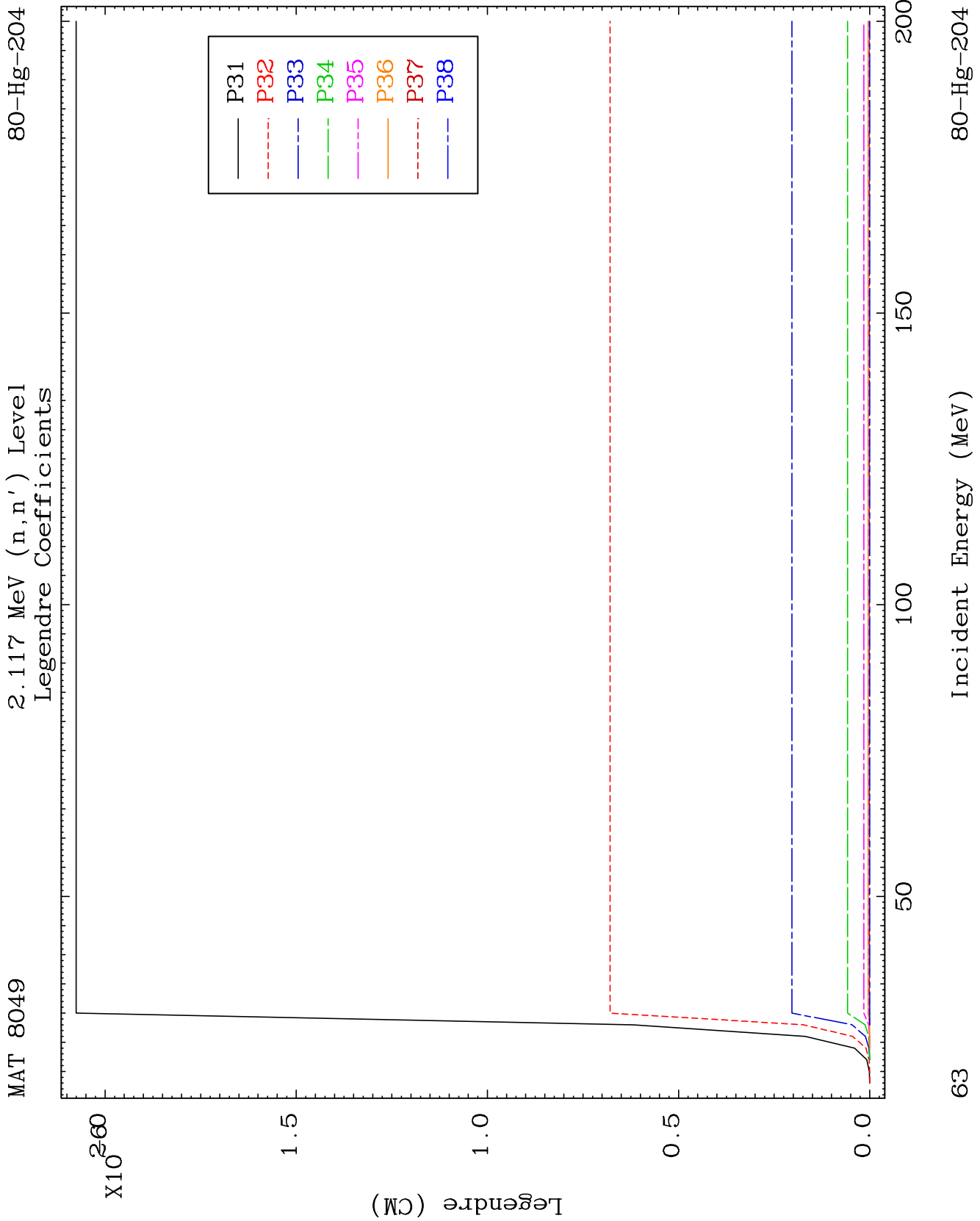
80-Hg-204

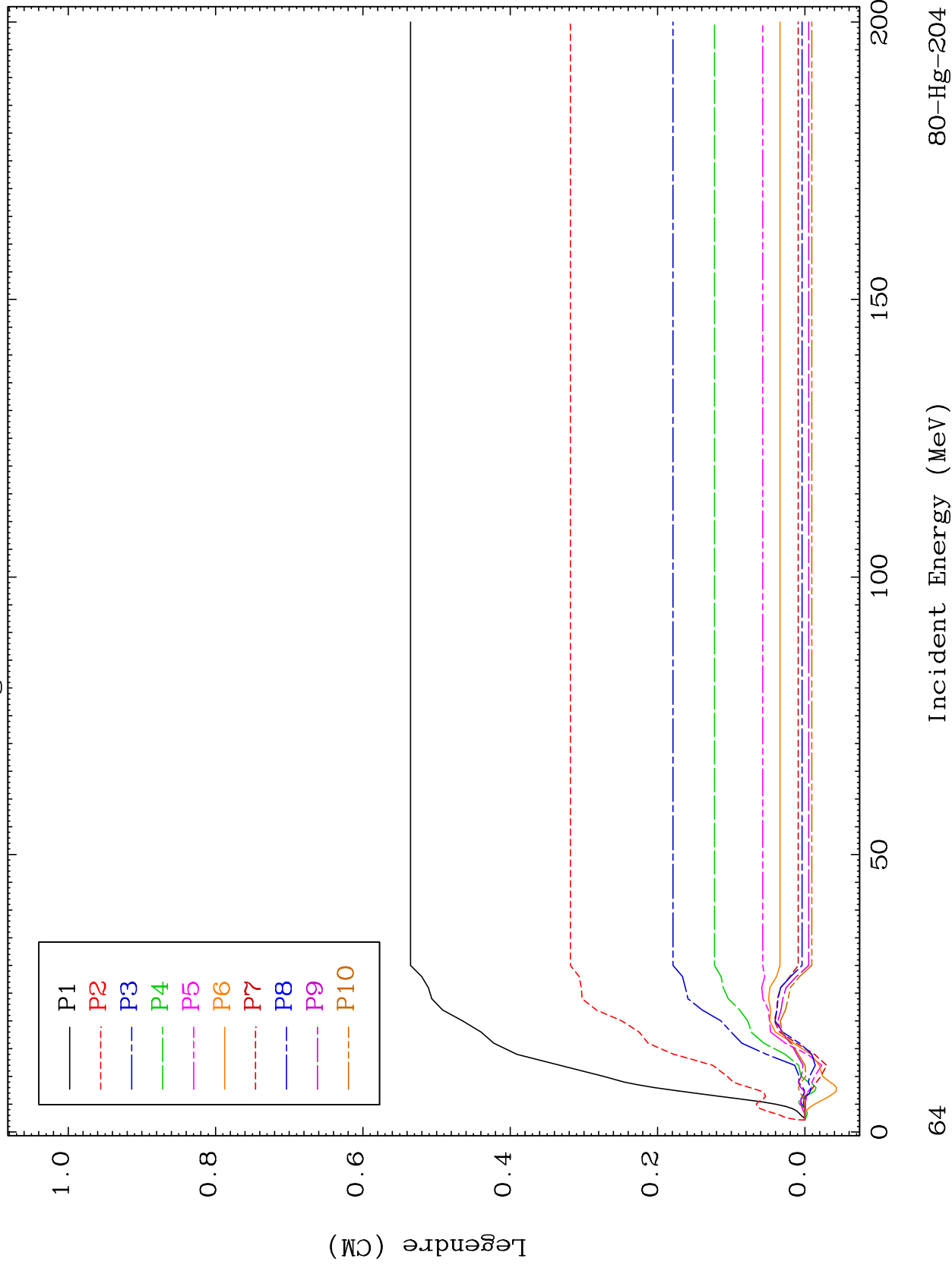


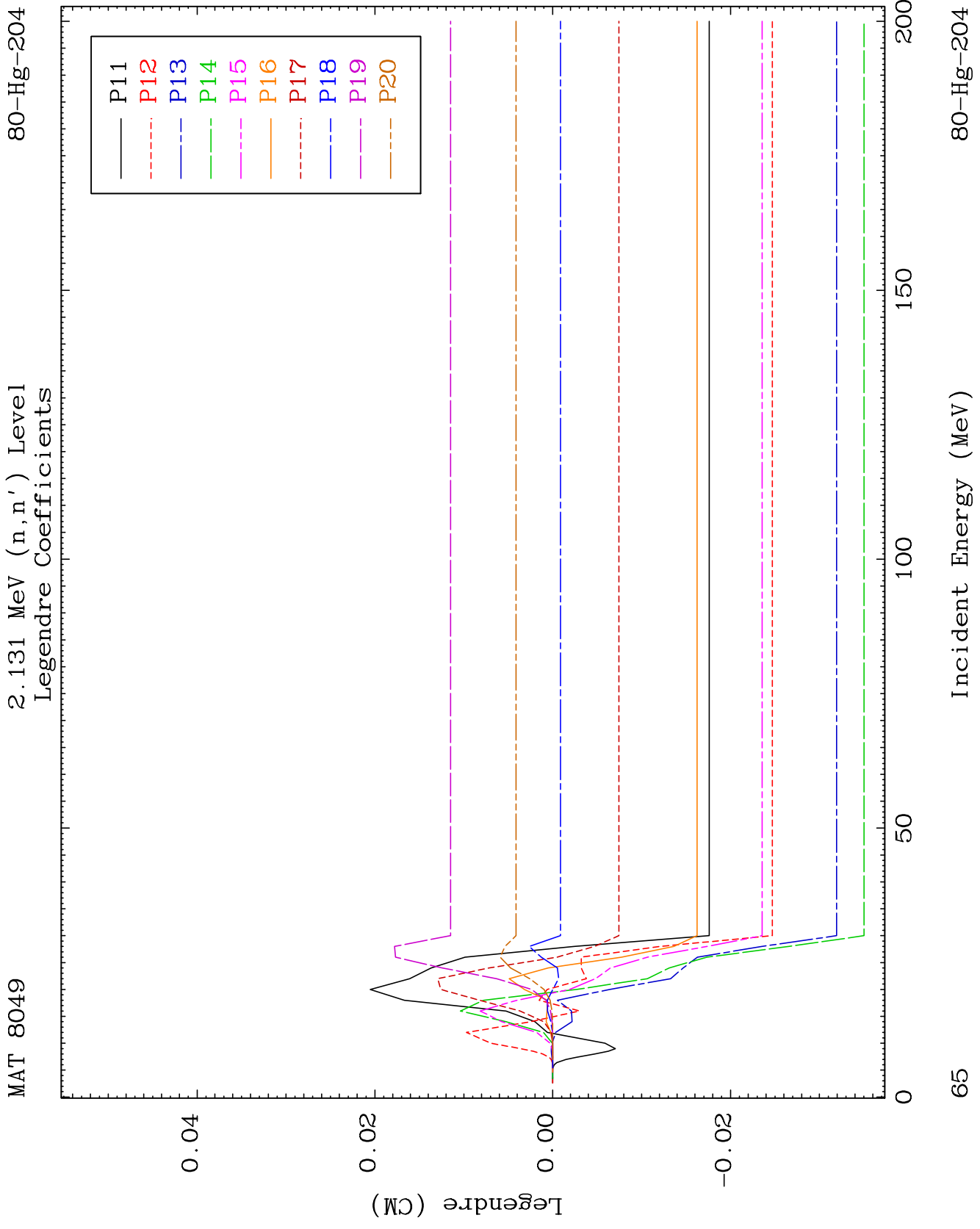
62

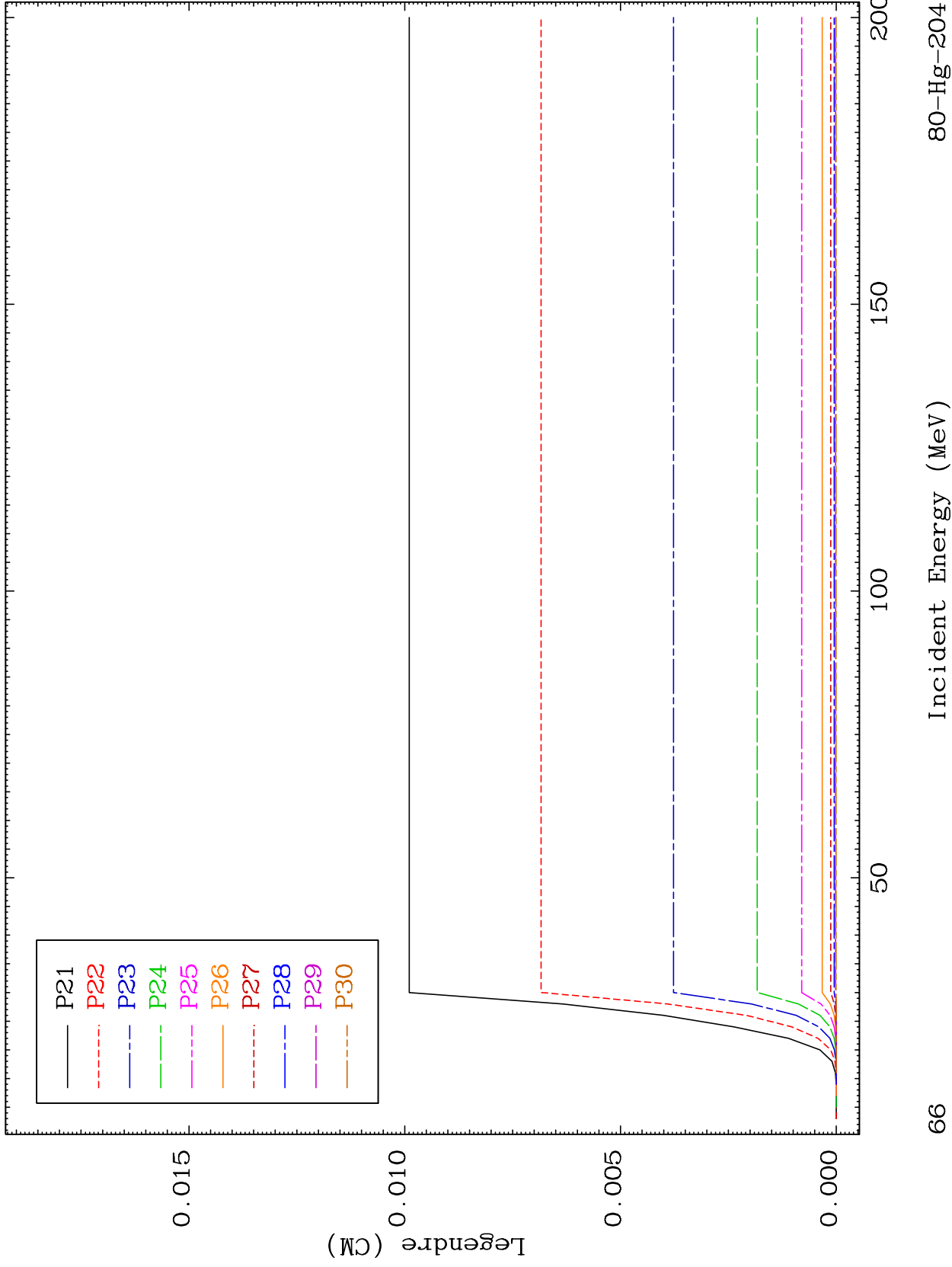
Incident Energy (MeV)

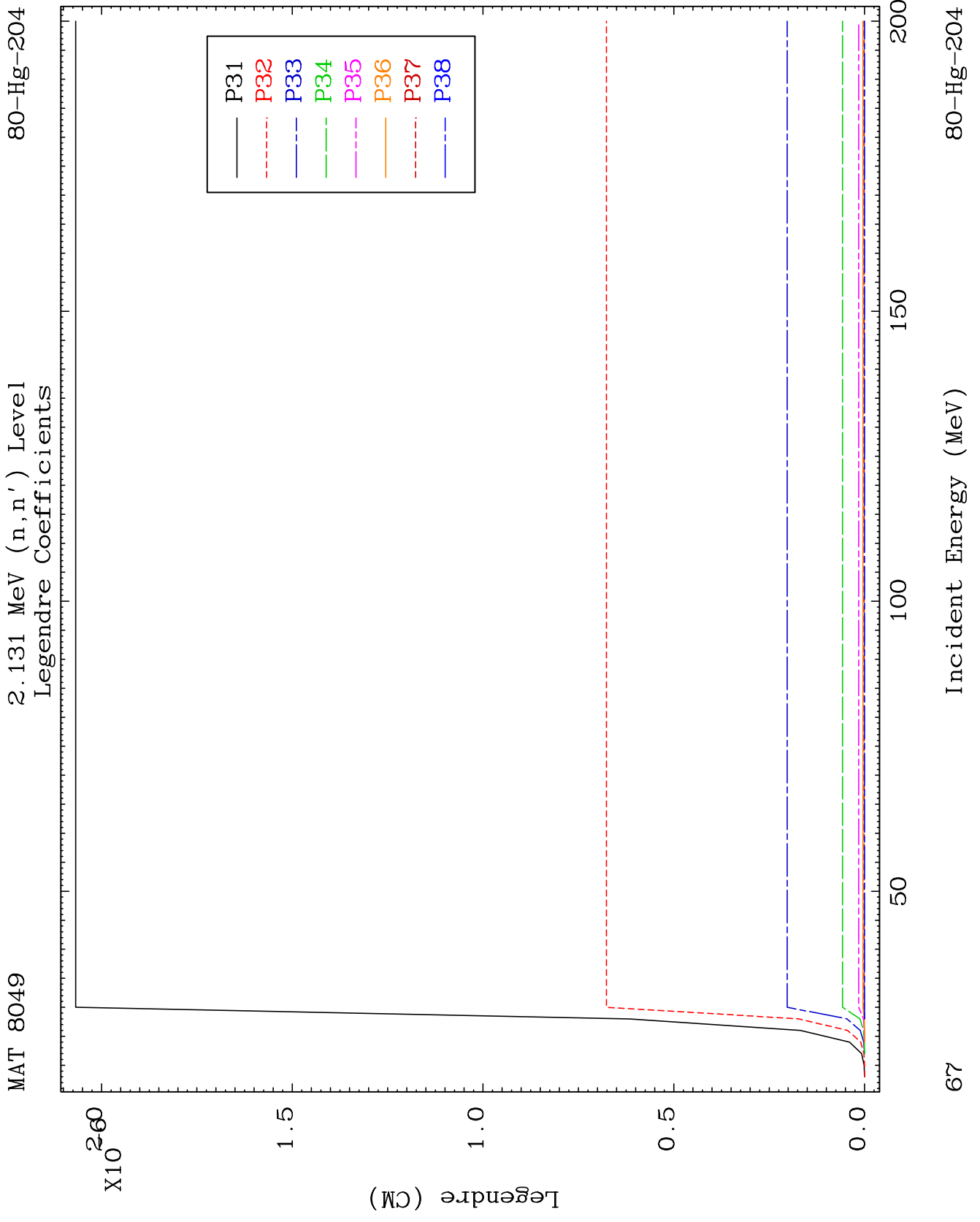
80-Hg-204







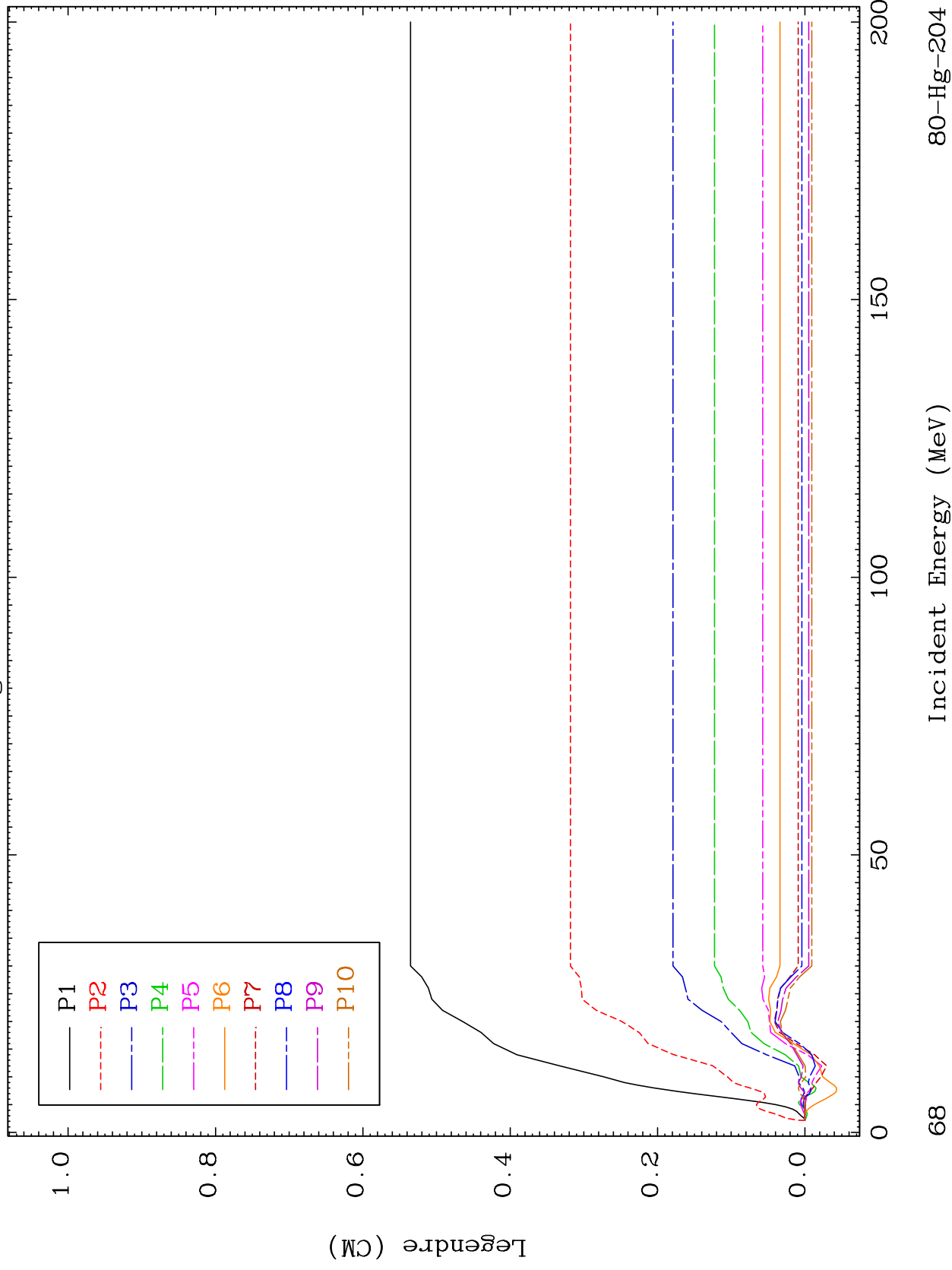




MAT 8049

2.141 MeV (n, n') Level
Legendre Coefficients

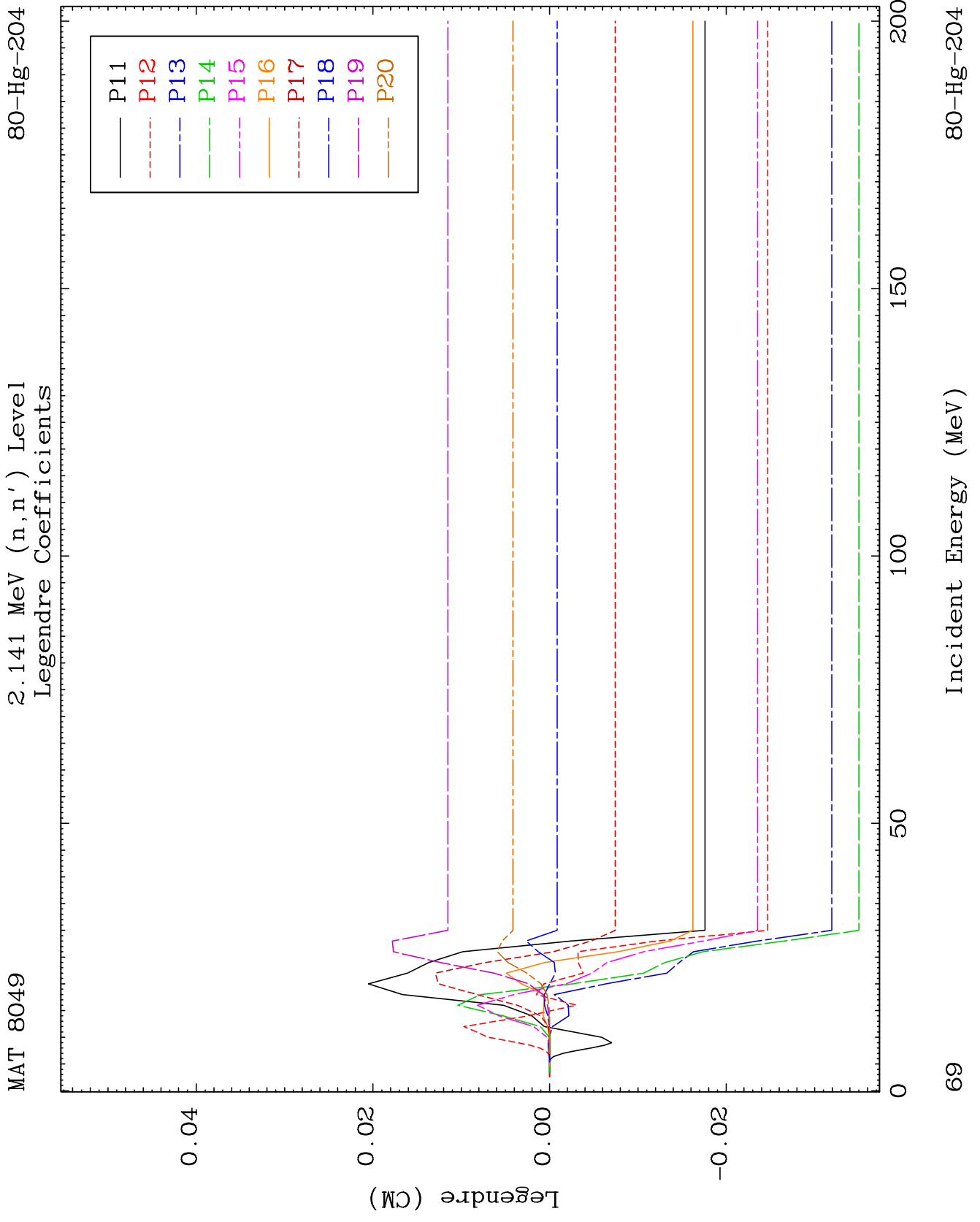
80-Hg-204



68

Incident Energy (MeV)

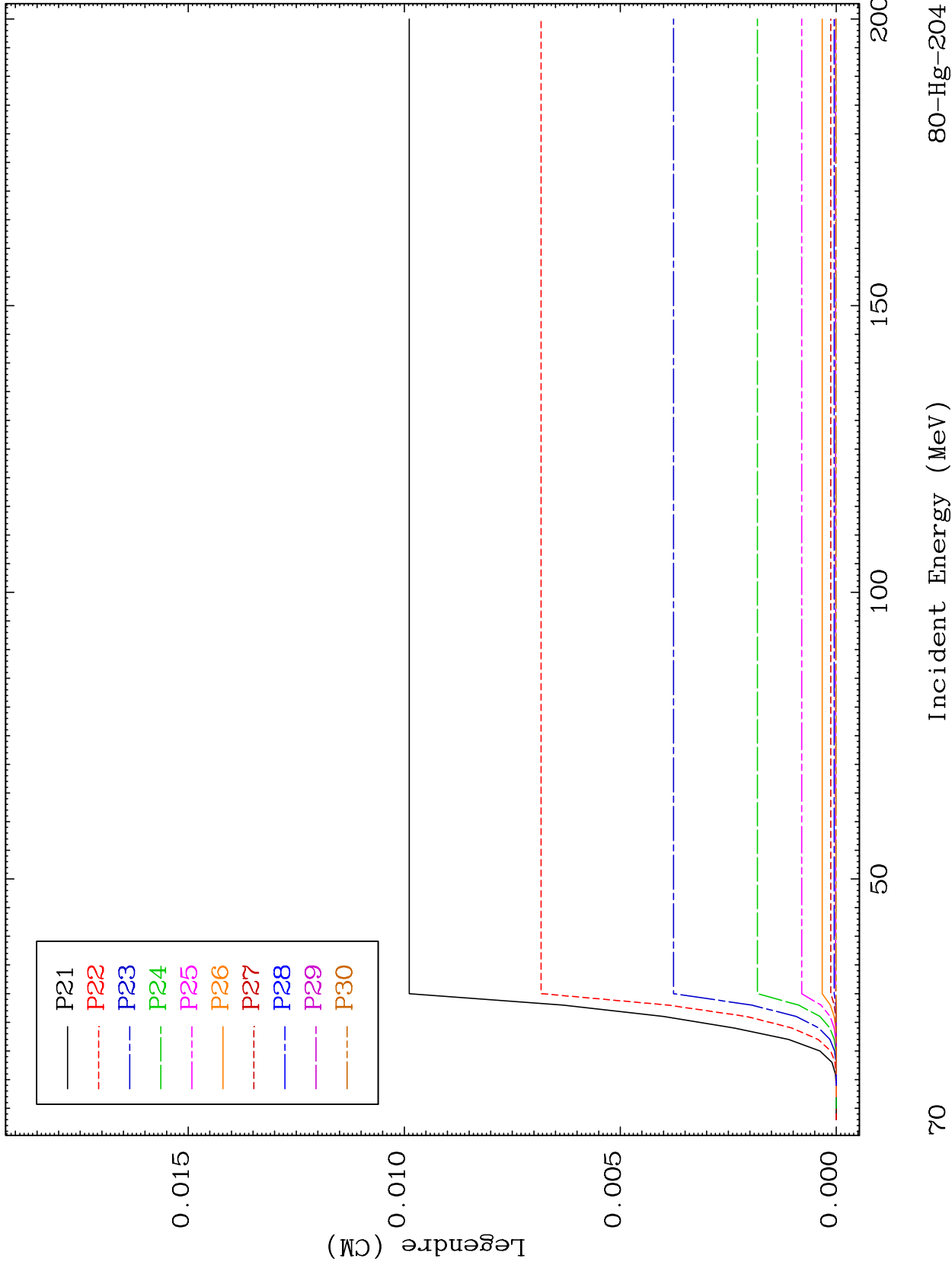
80-Hg-204



MAT 8049

2.141 MeV (n,n') Level
Legendre Coefficients

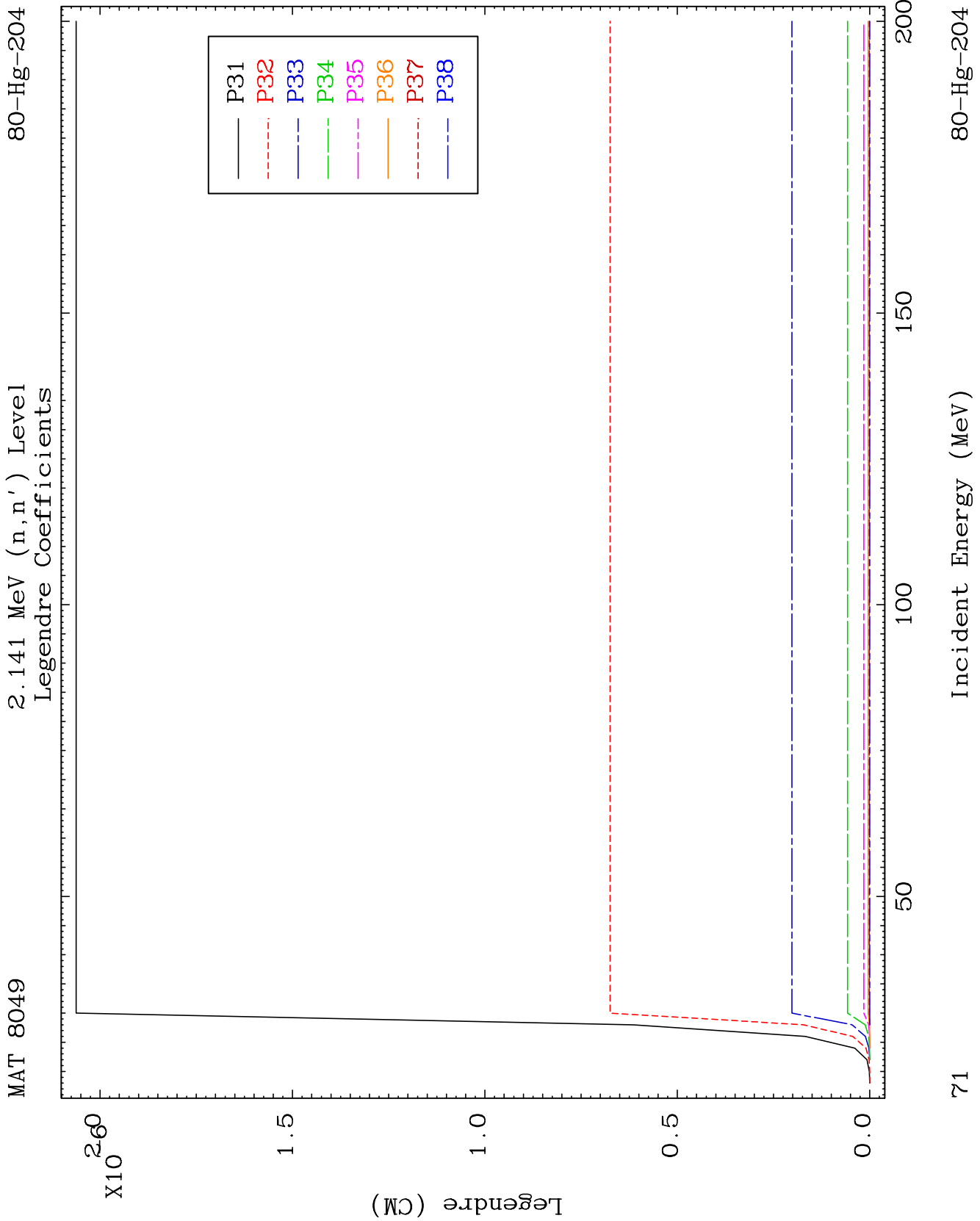
80-Hg-204



70

Incident Energy (MeV)

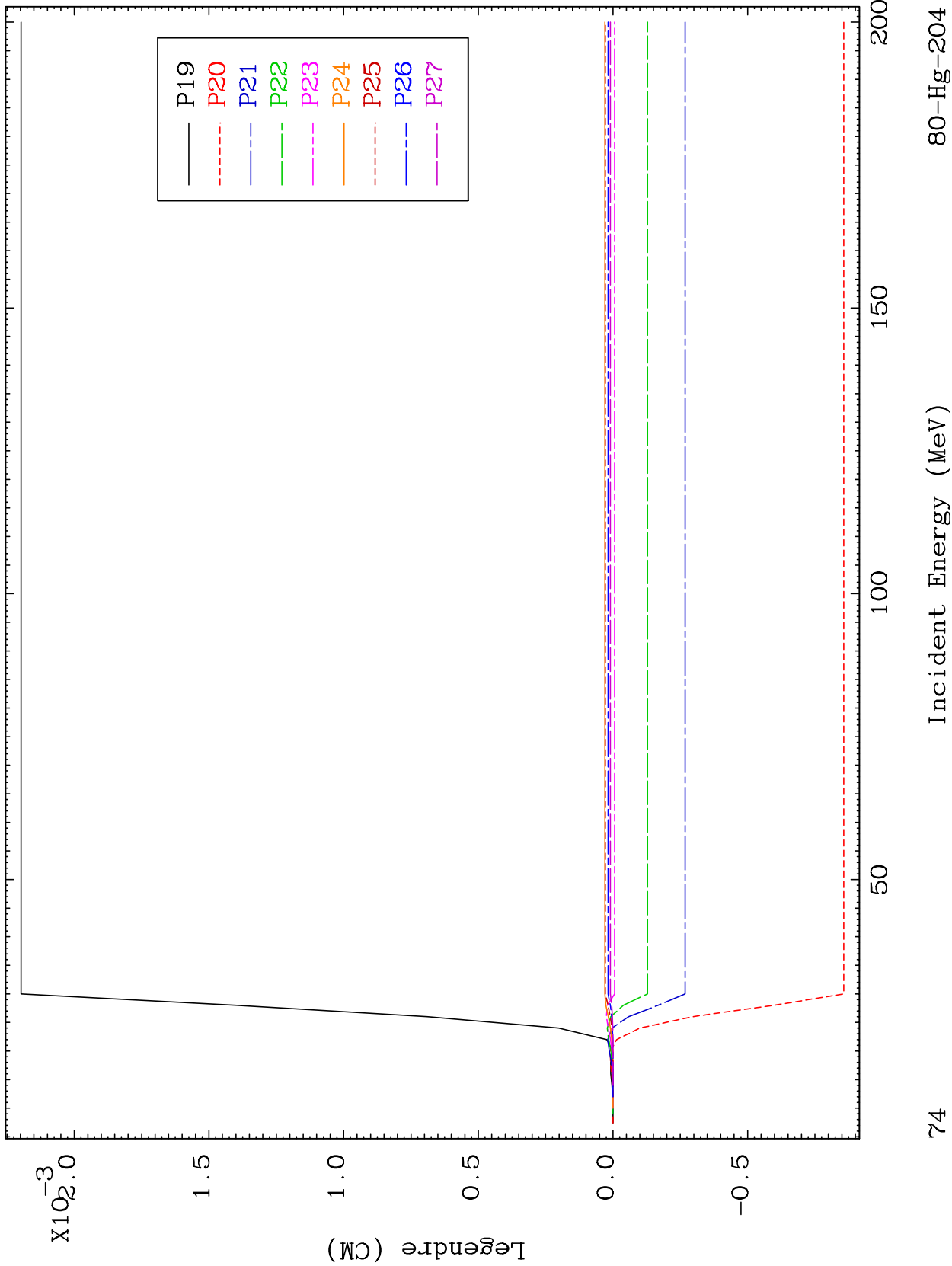
80-Hg-204



MAT 8049

2.191 MeV (n, n') Level
Legendre Coefficients

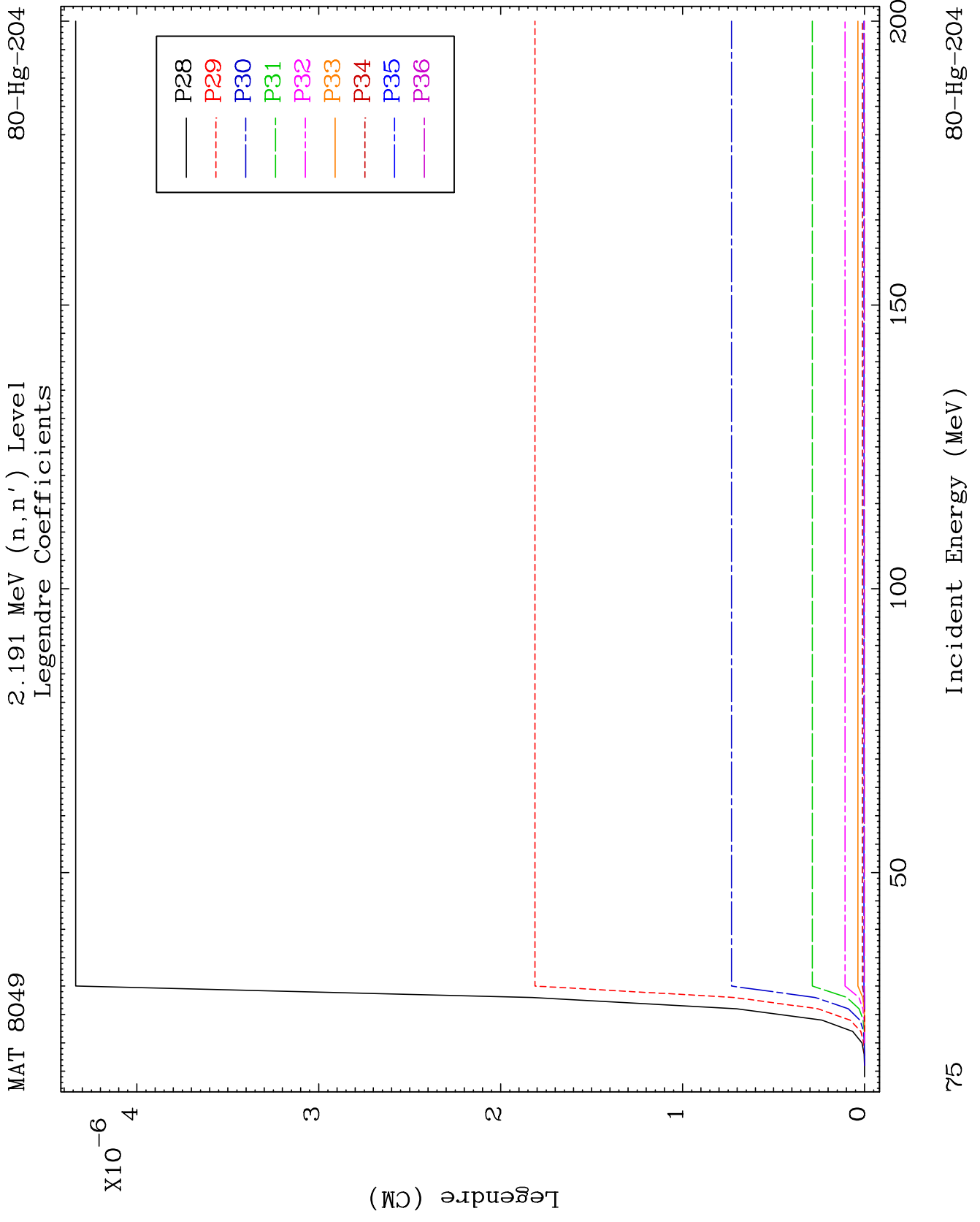
80-Hg-204

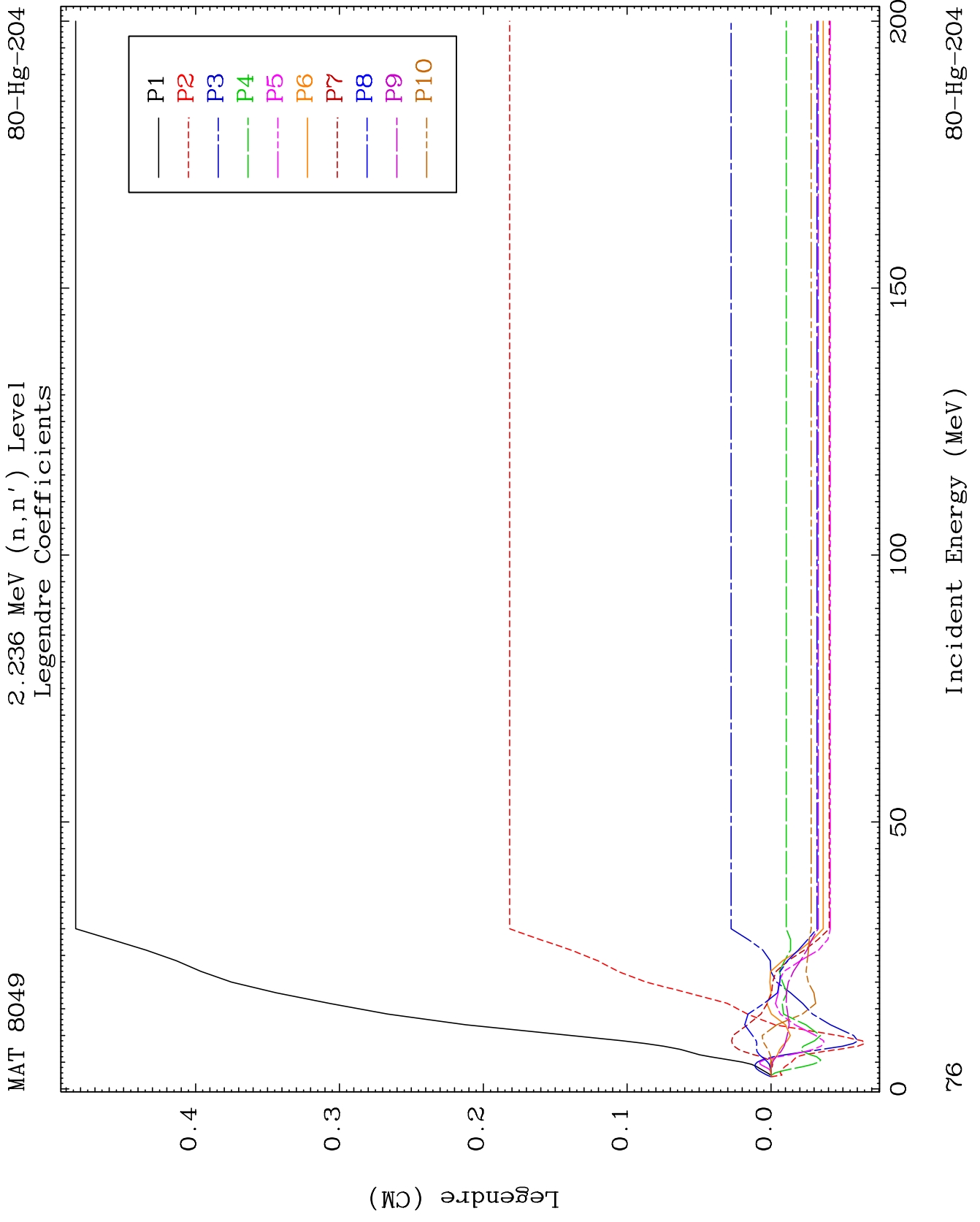


74

Incident Energy (MeV)

80-Hg-204

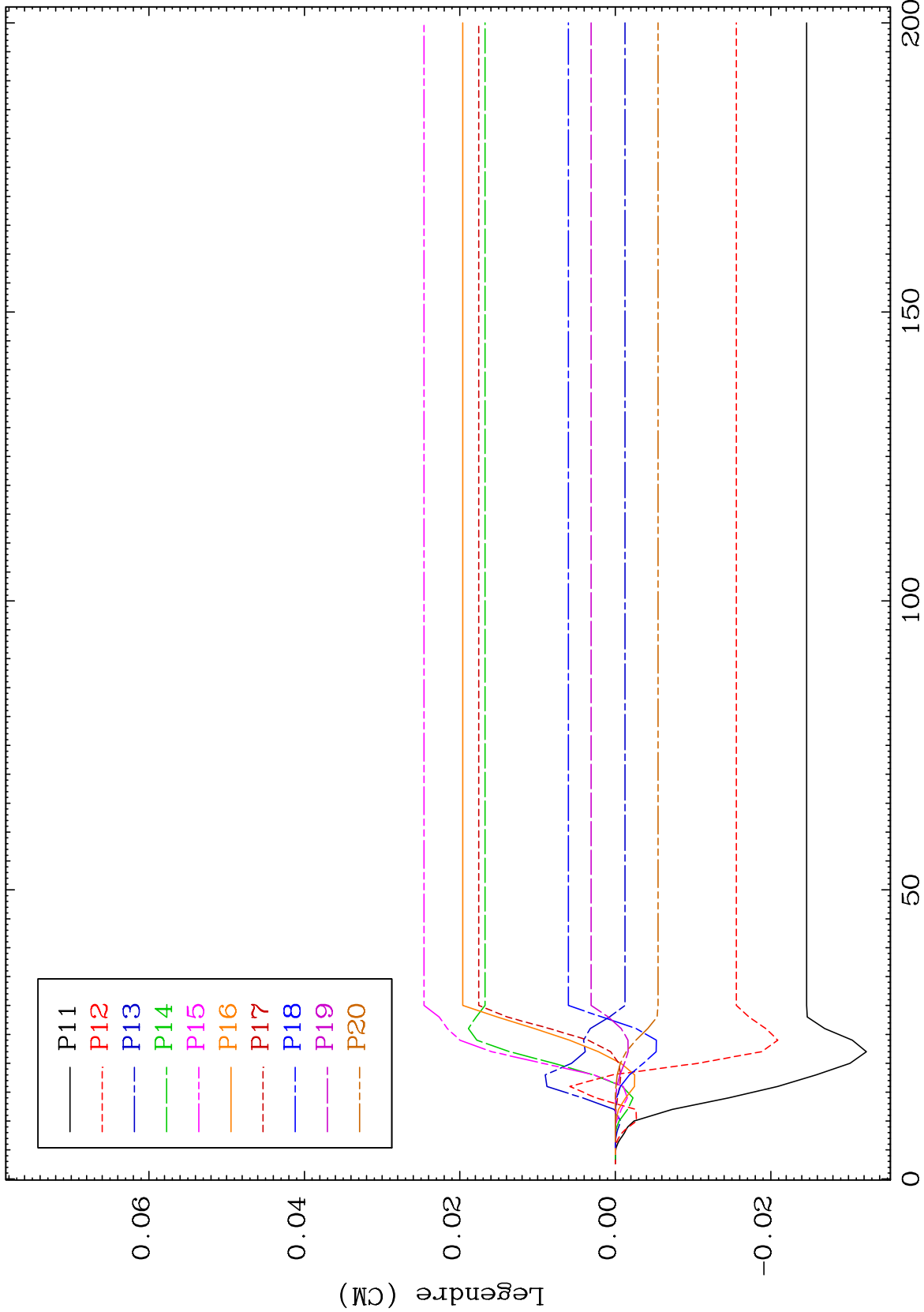




MAT 8049

2.236 MeV (n, n') Level
Legendre Coefficients

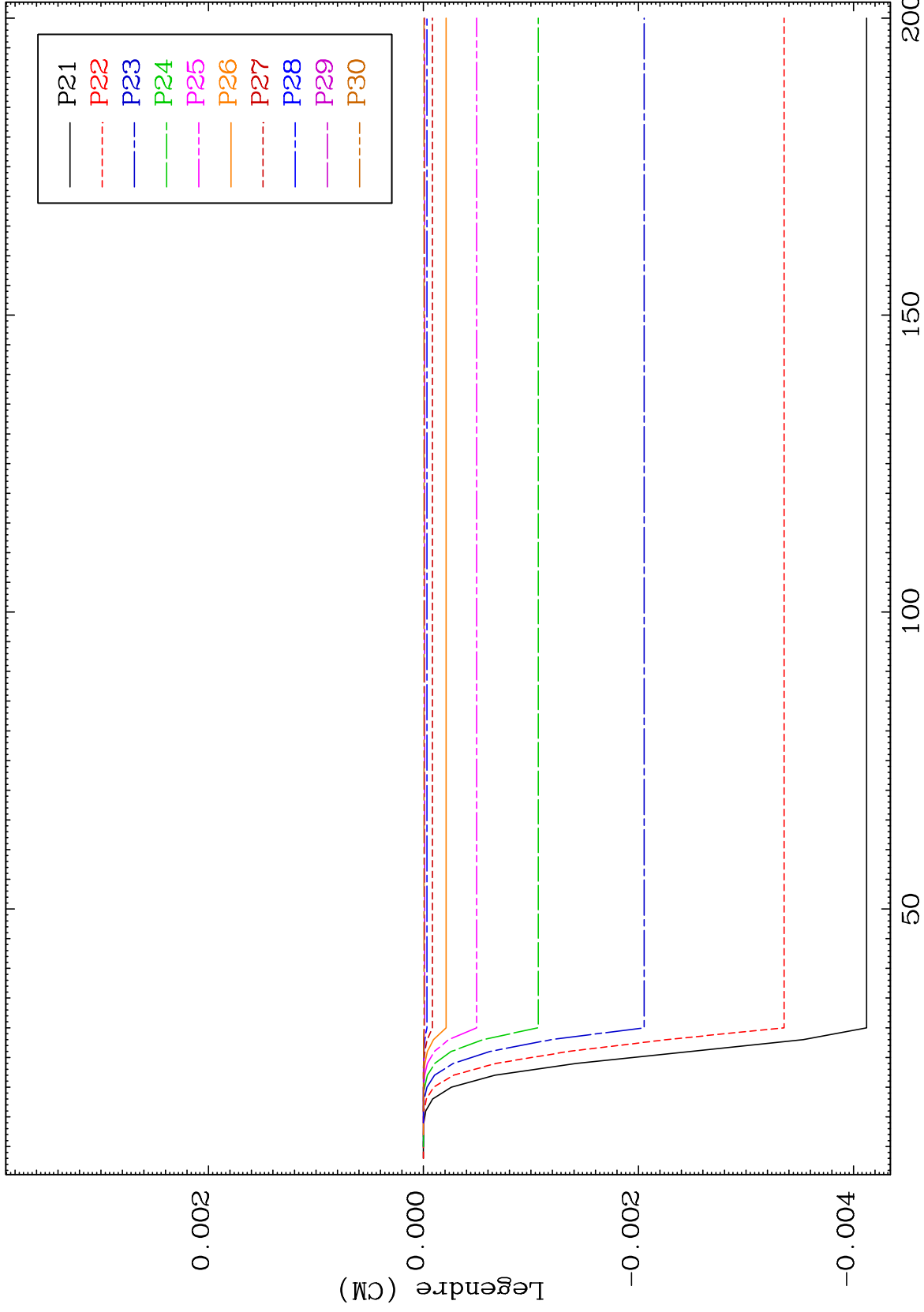
80-Hg-204



MAT 8049

2.236 MeV (n,n') Level
Legendre Coefficients

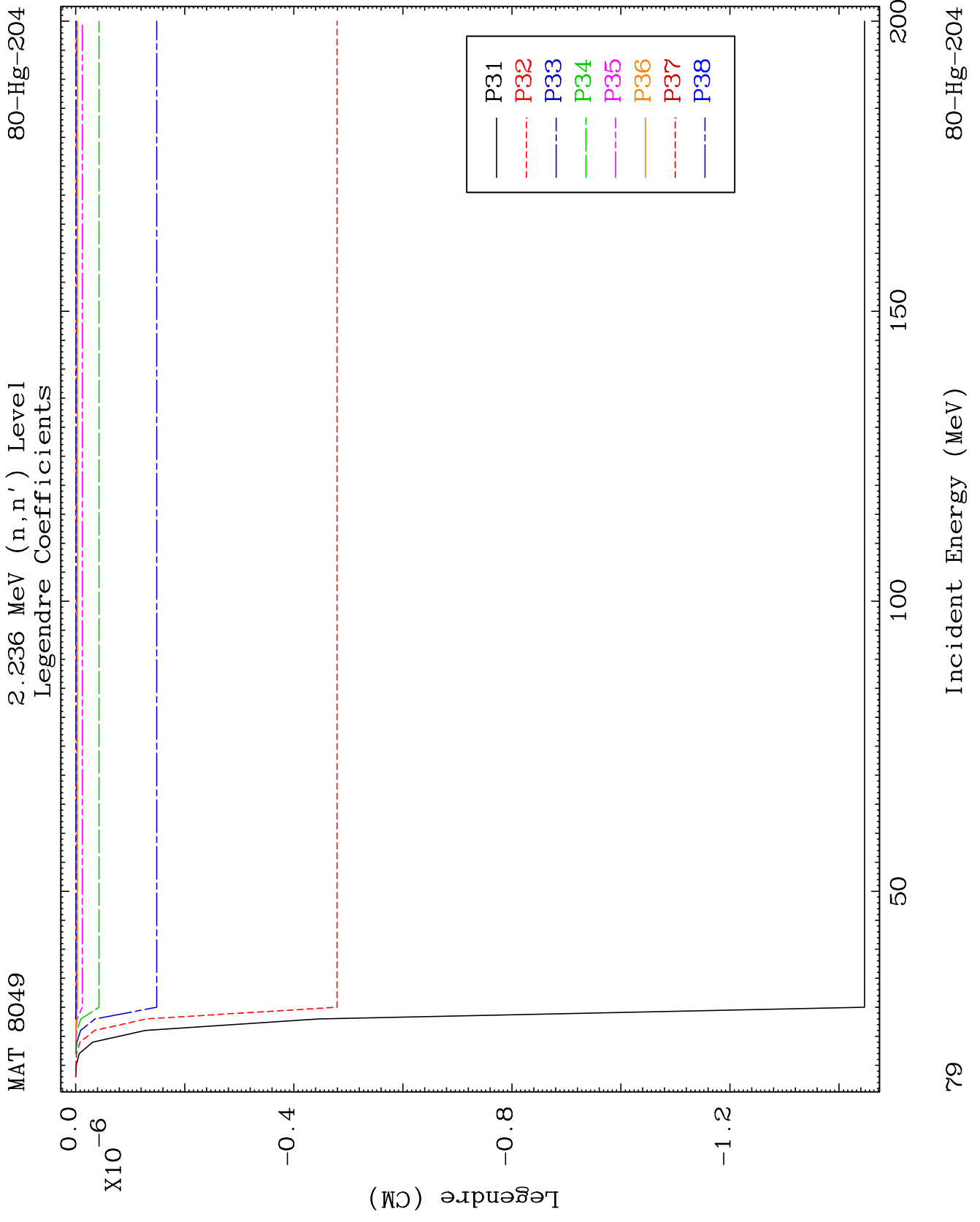
80-Hg-204

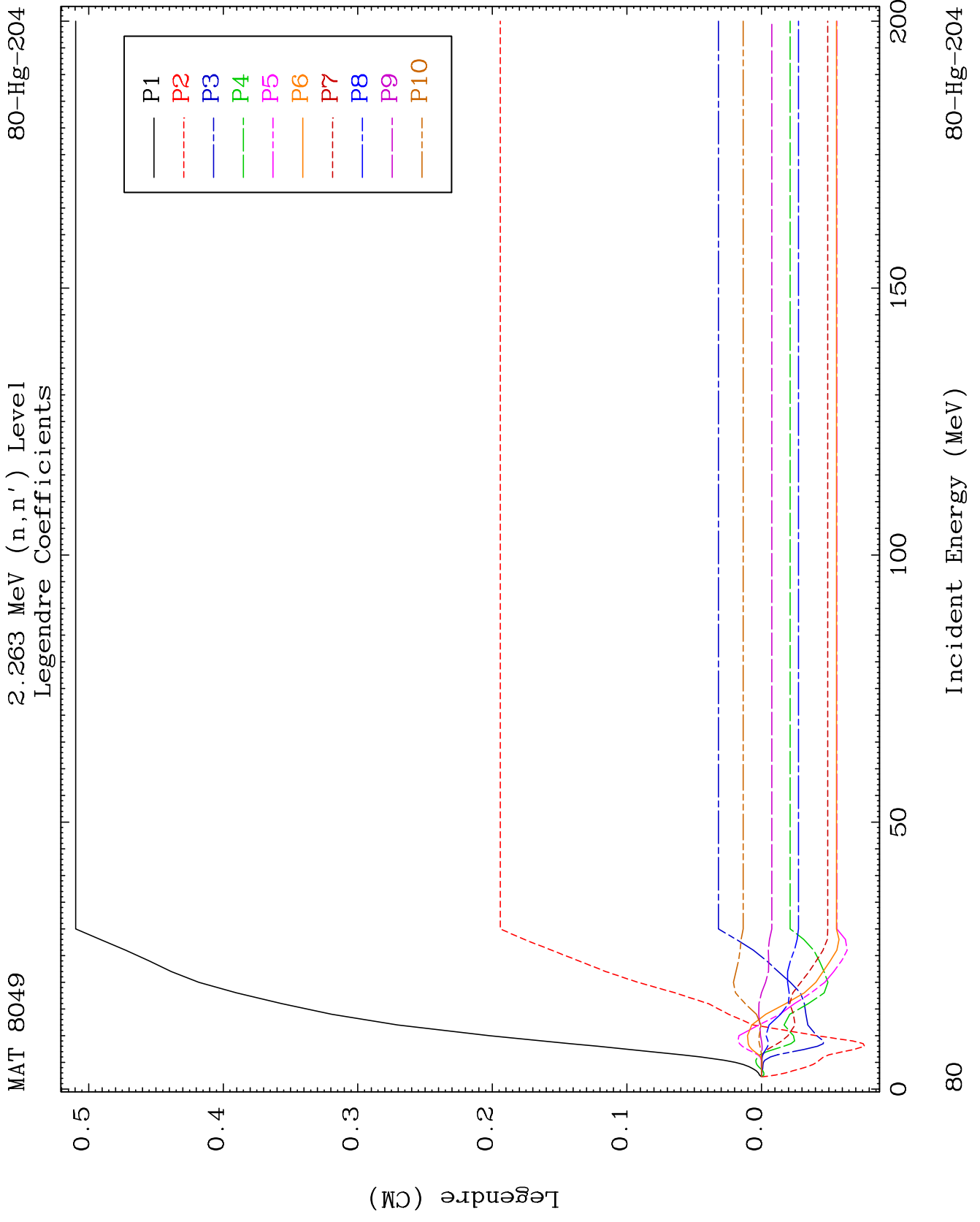


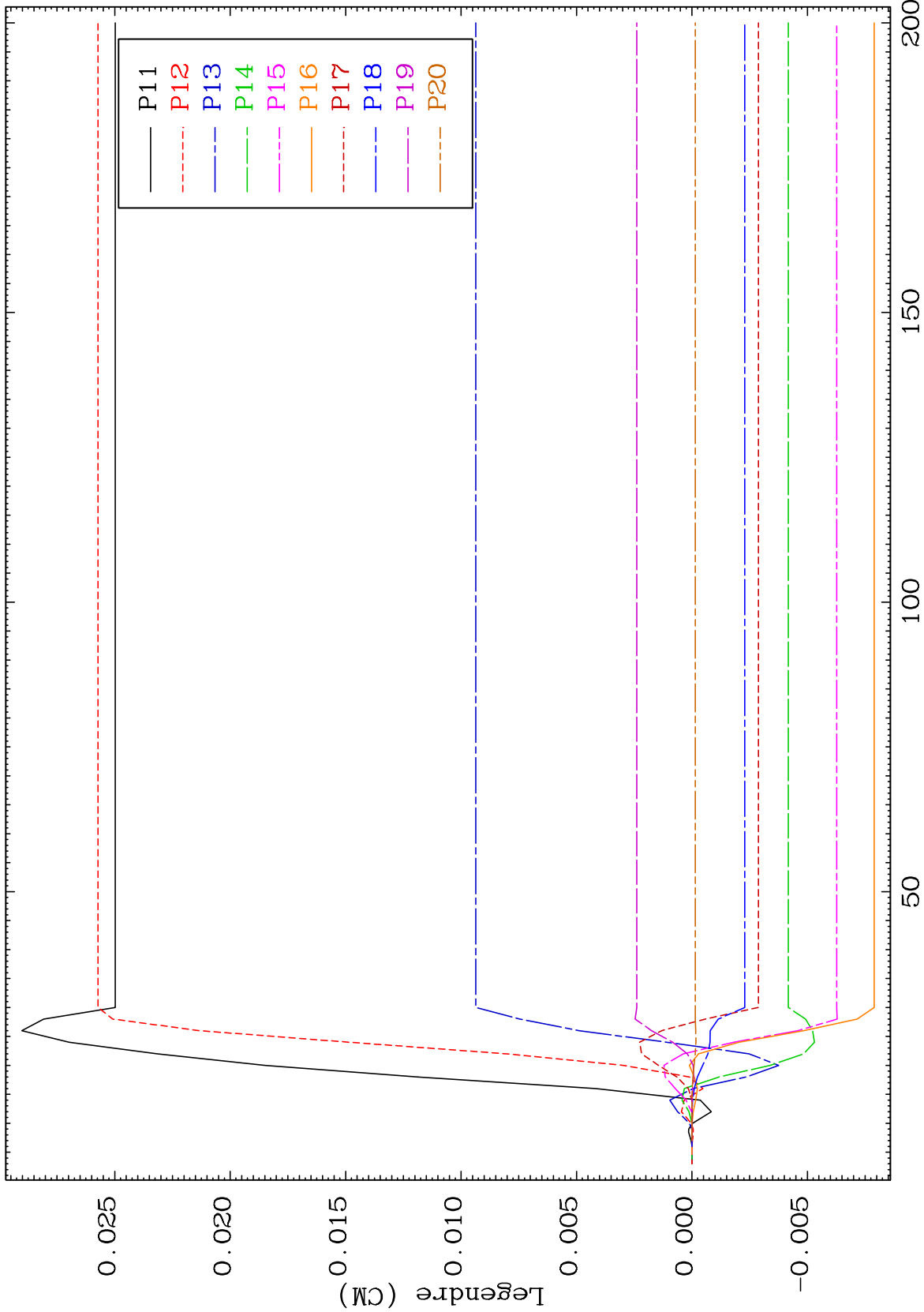
78

Incident Energy (MeV)

80-Hg-204



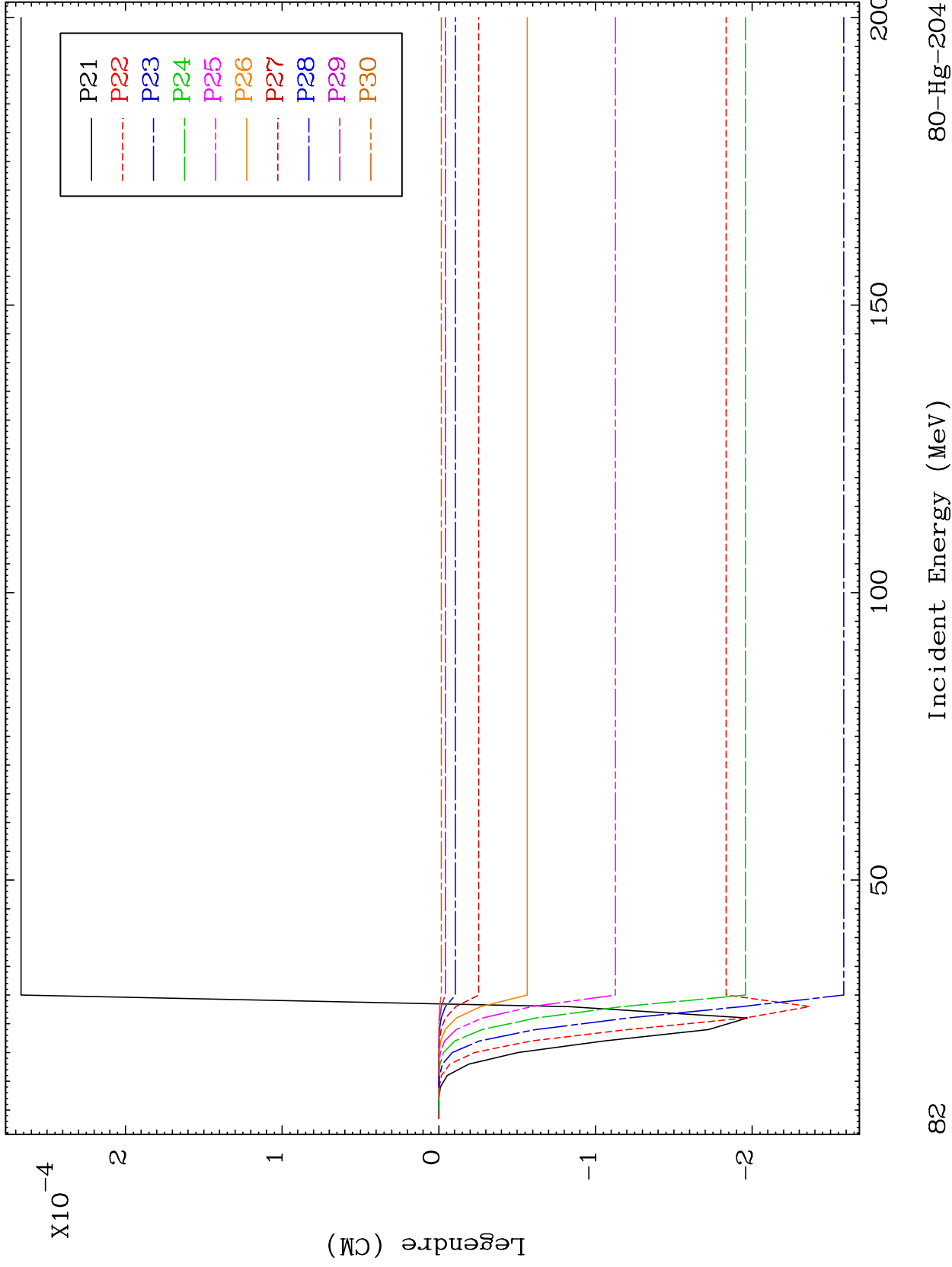




MAT 8049

2.263 MeV (n,n') Level
Legendre Coefficients

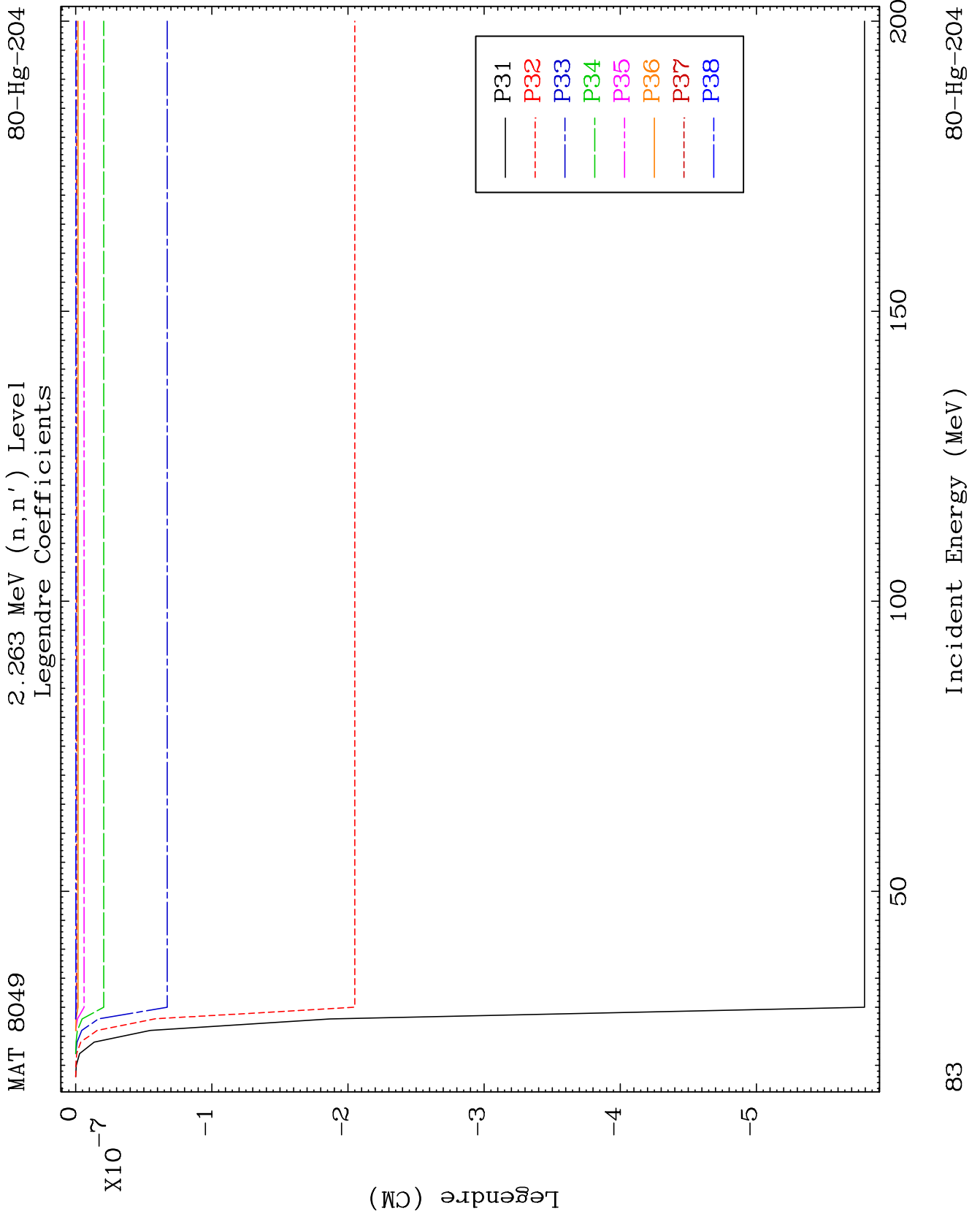
80-Hg-204

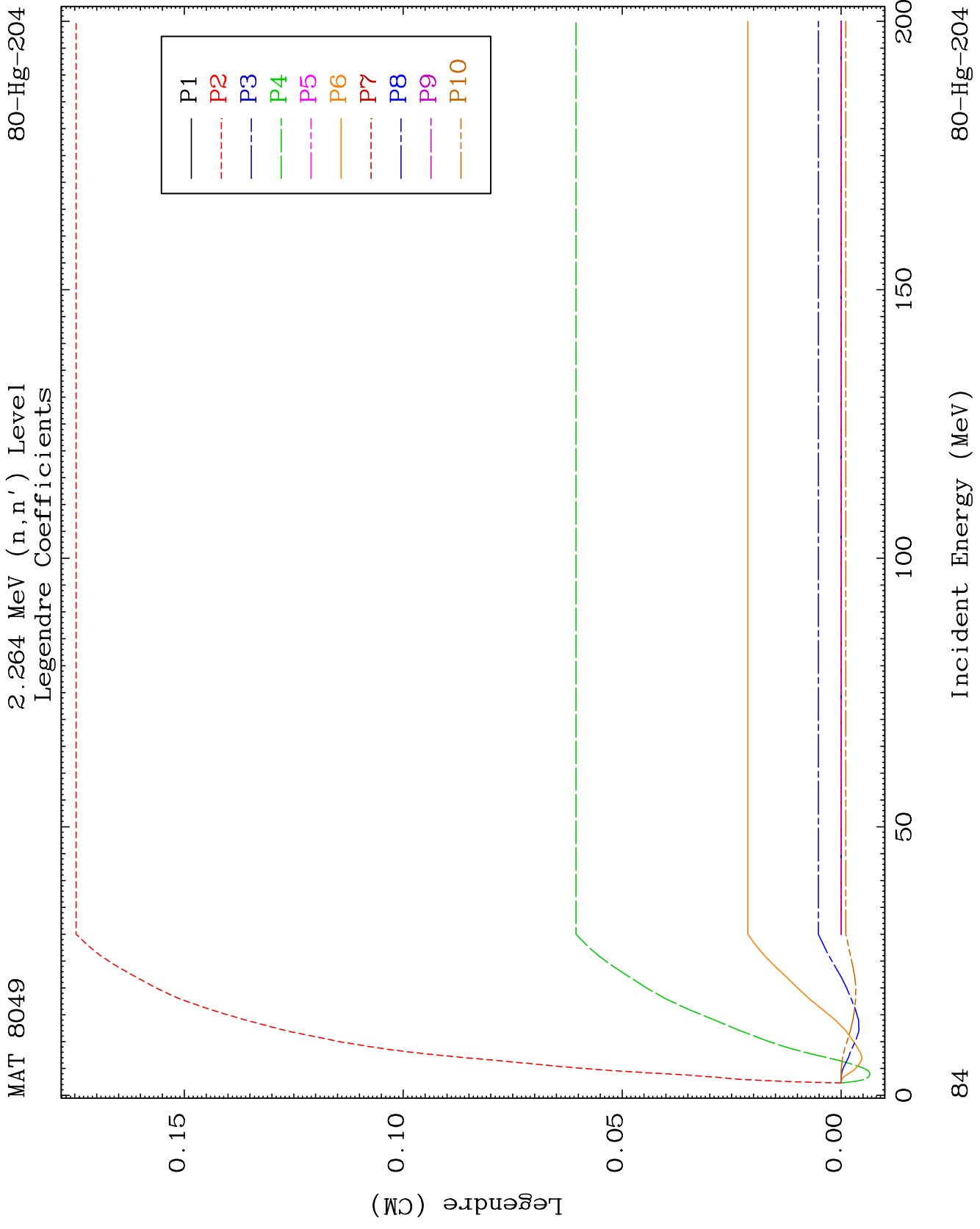


82

Incident Energy (MeV)

80-Hg-204

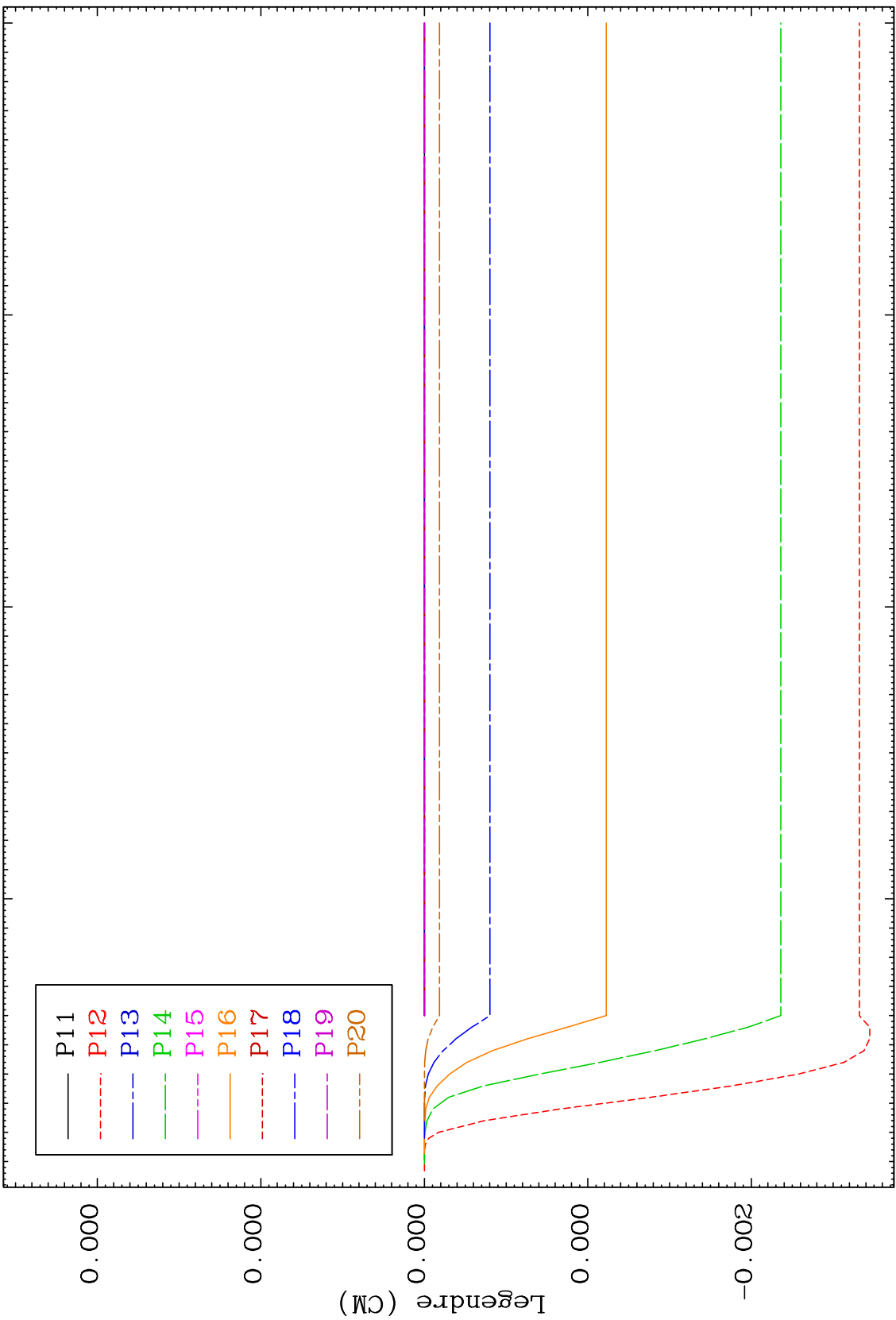




MAT 8049

2.264 MeV (n, n') Level
Legendre Coefficients

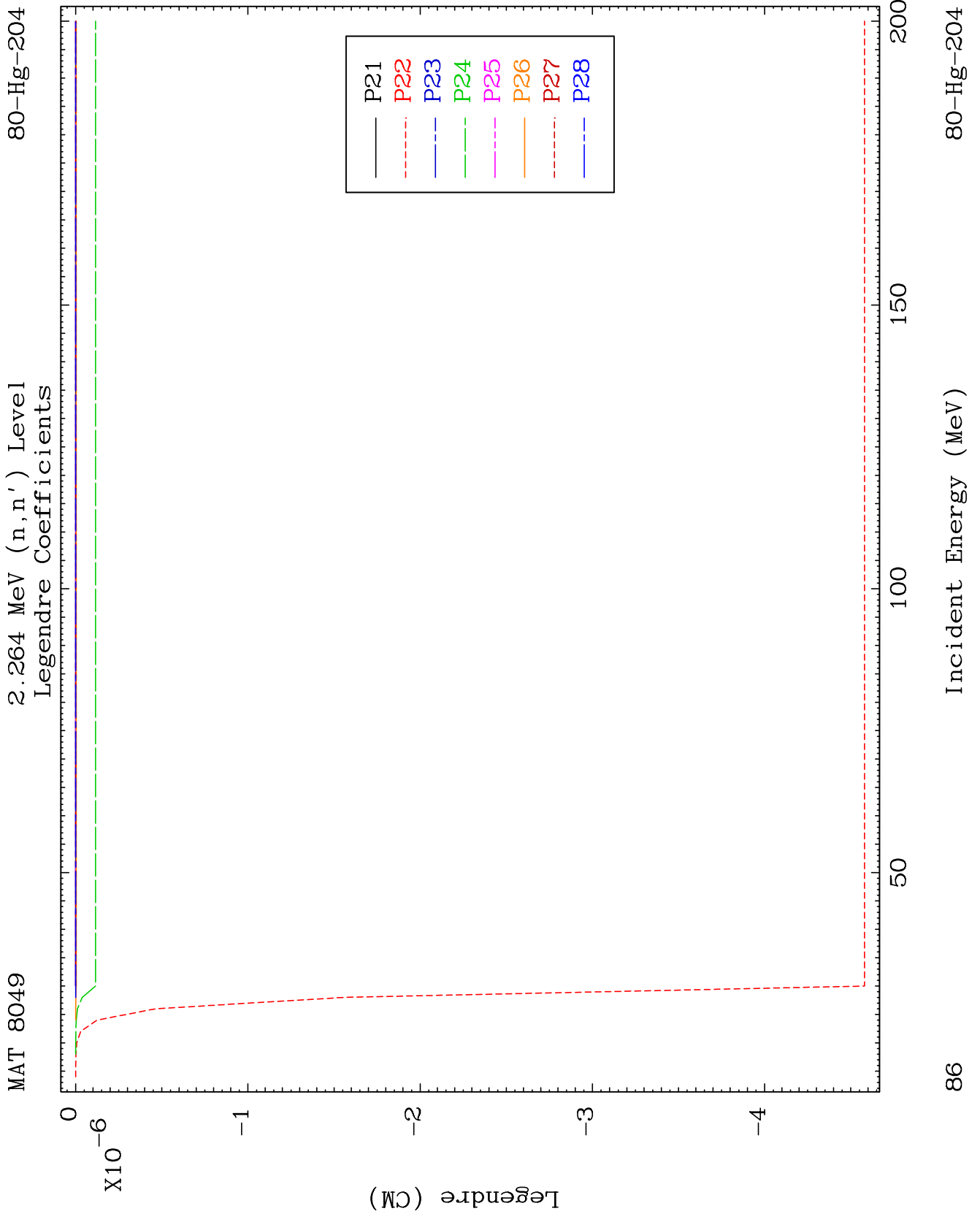
80-Hg-204

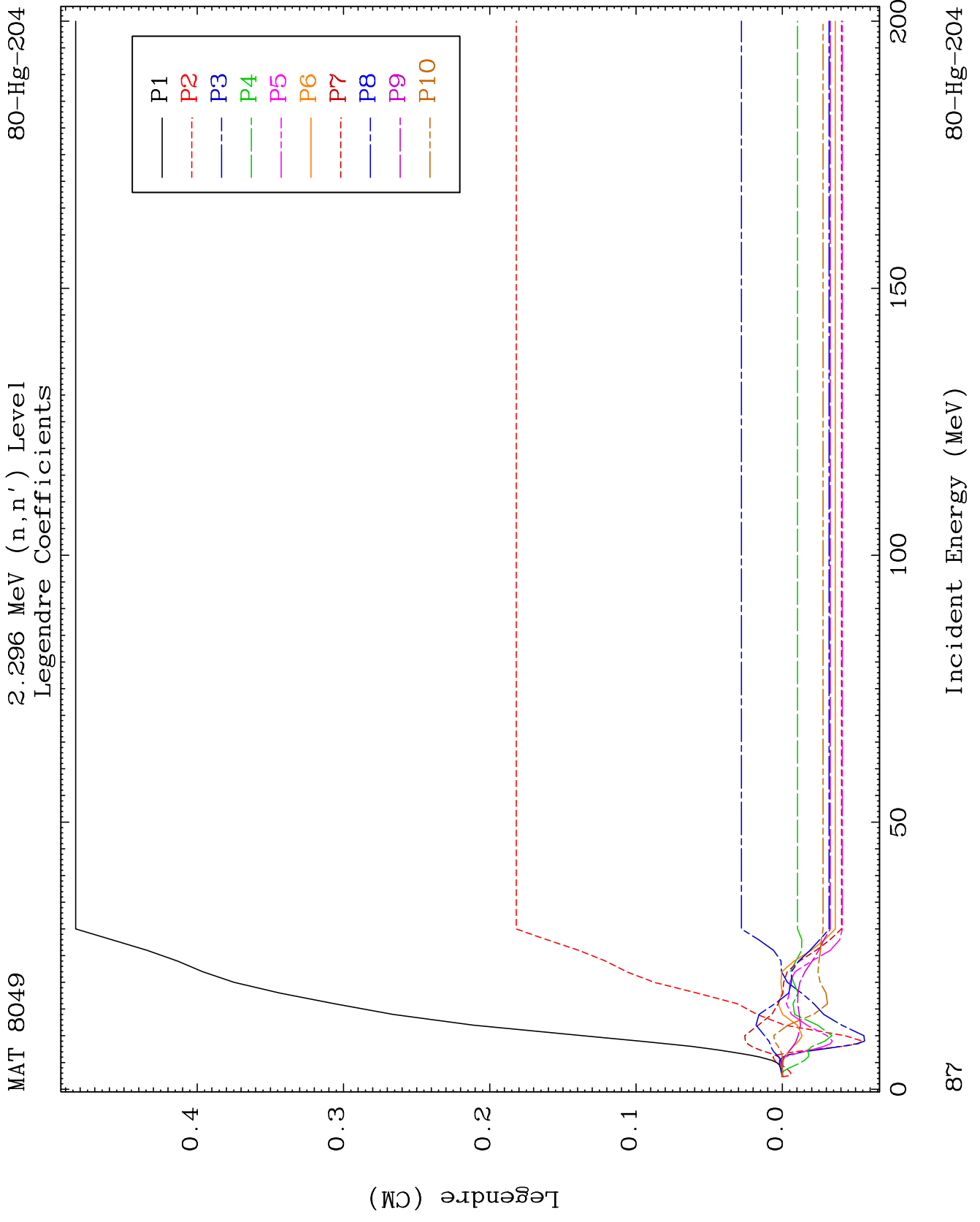


85

Incident Energy (MeV)

80-Hg-204

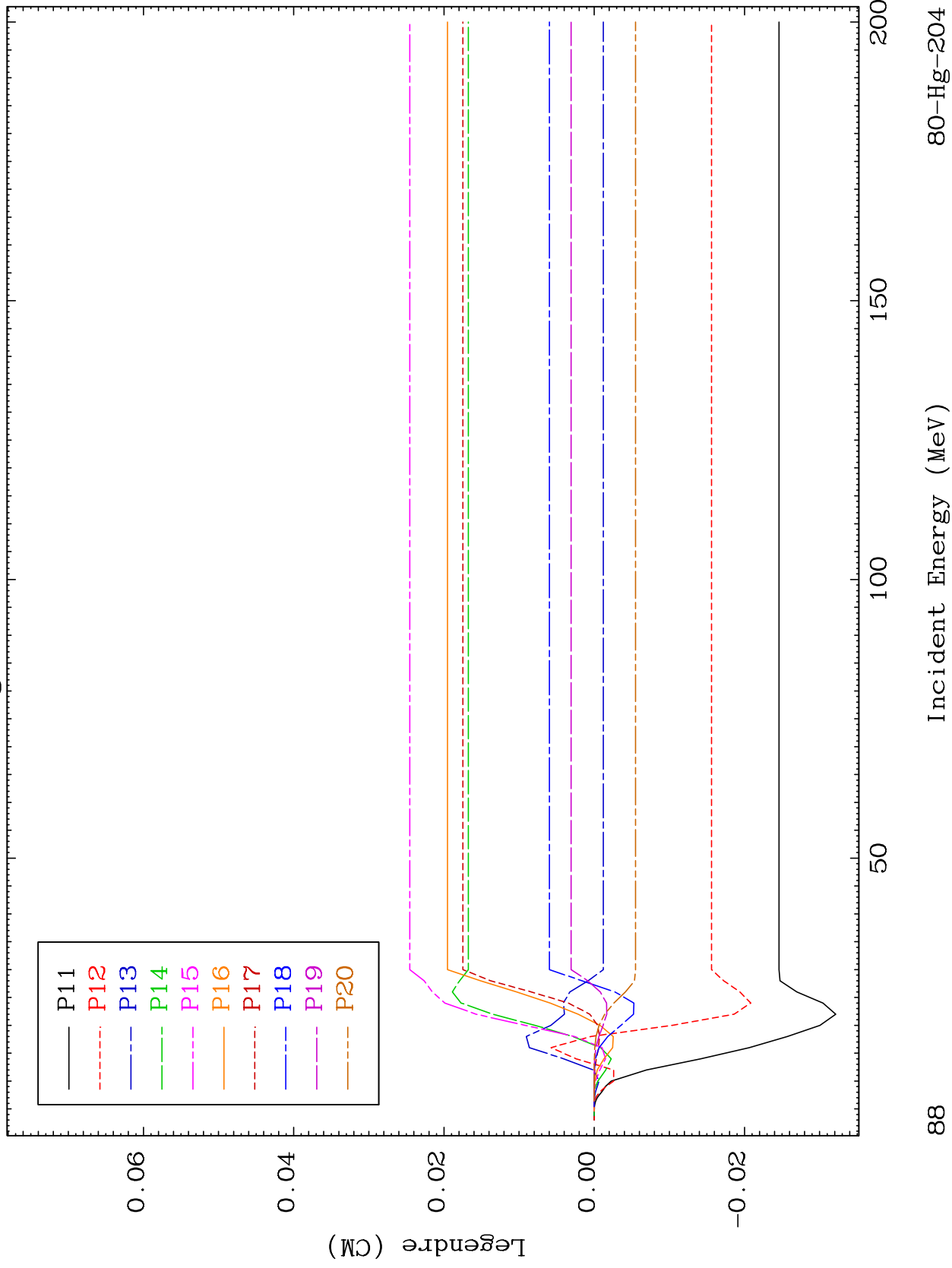




MAT 8049

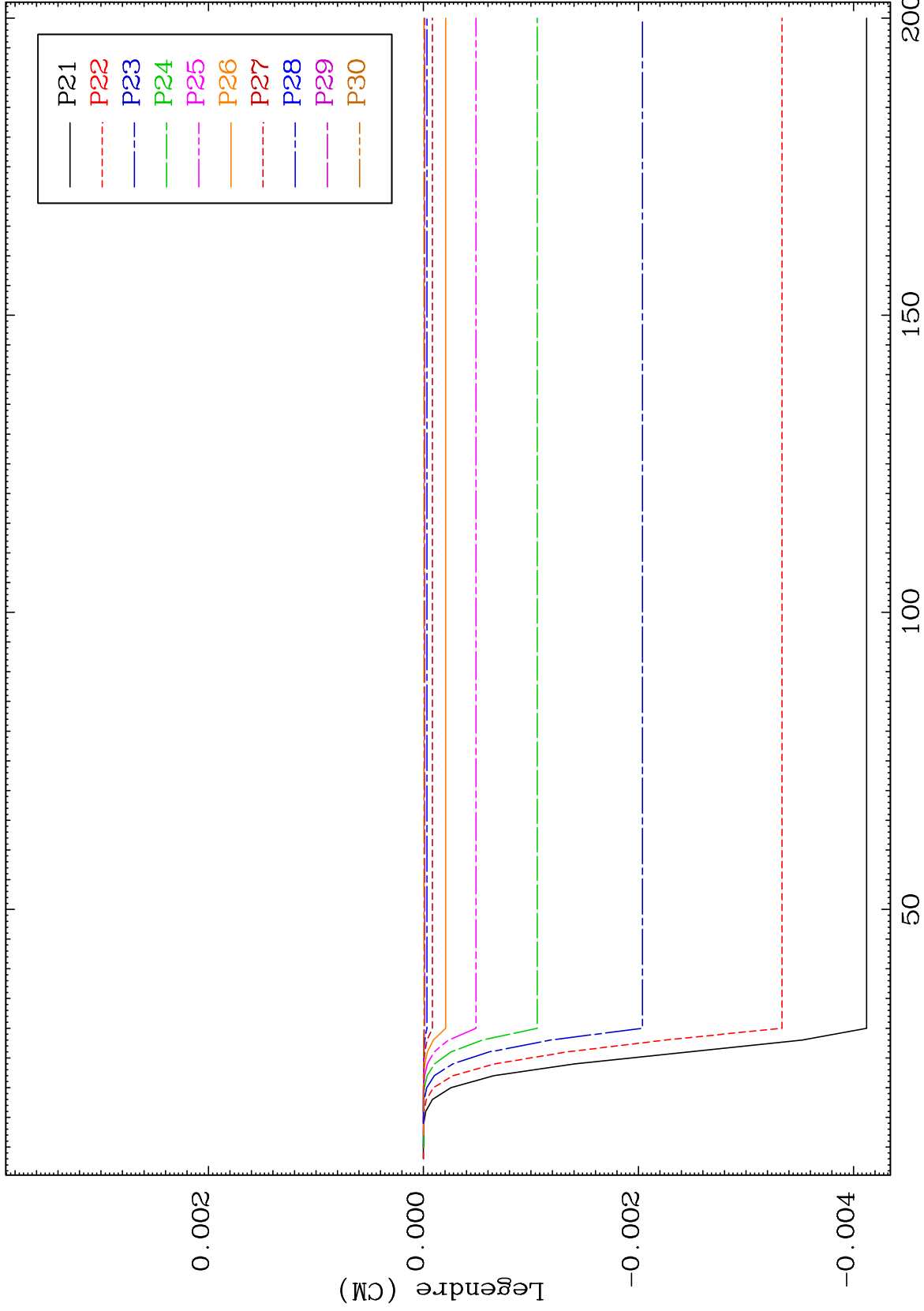
2.296 MeV (n,n') Level
Legendre Coefficients

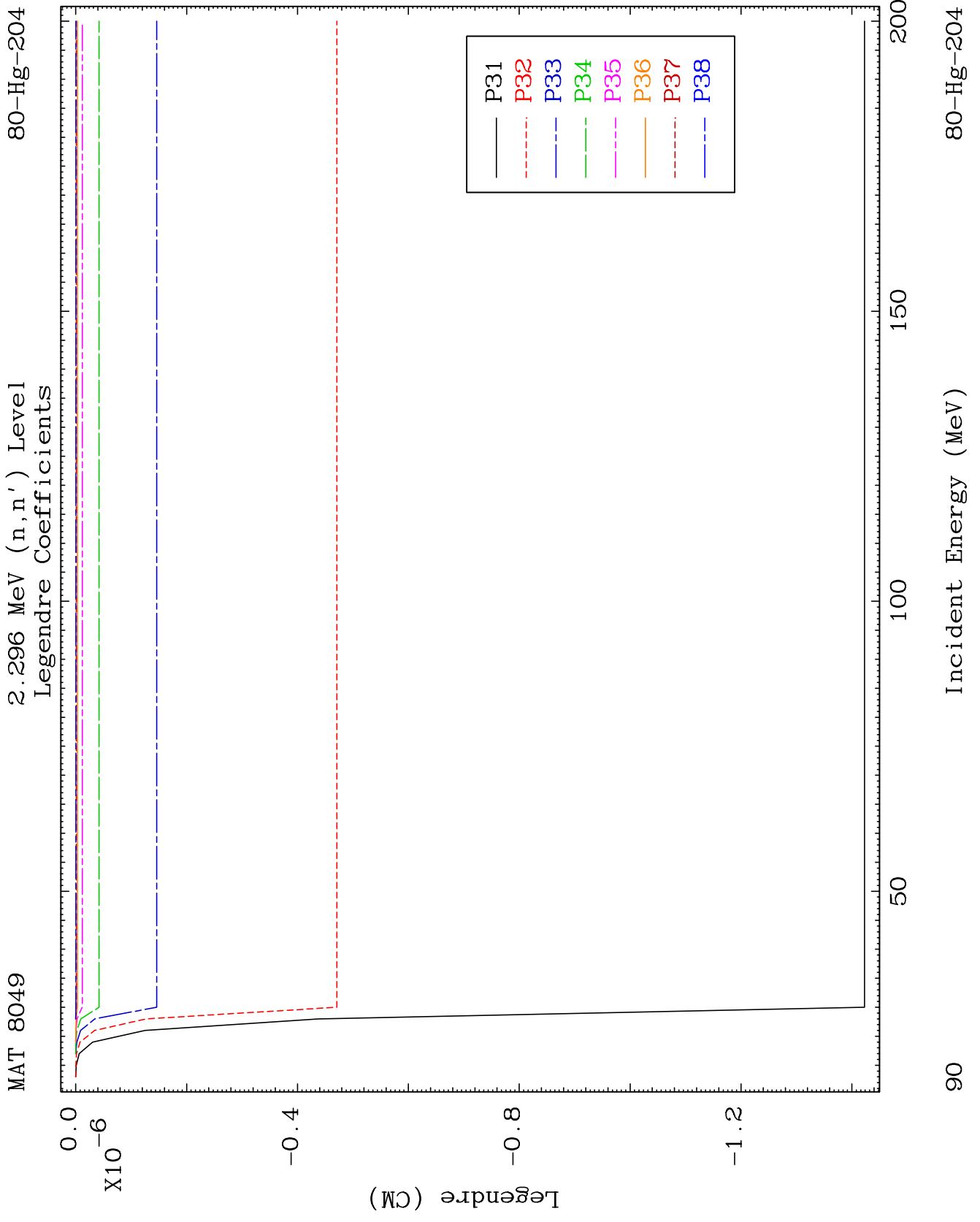
80-Hg-204

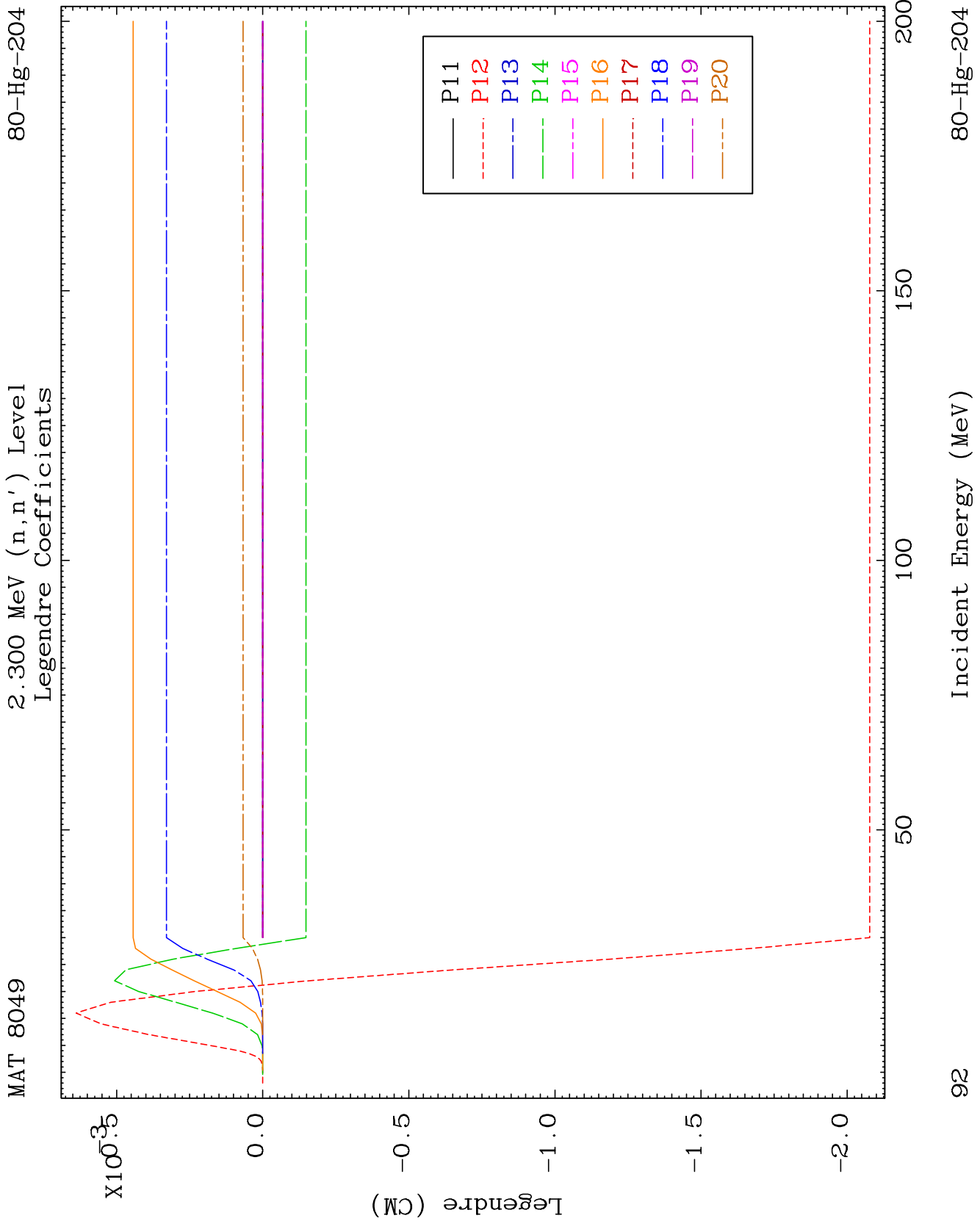


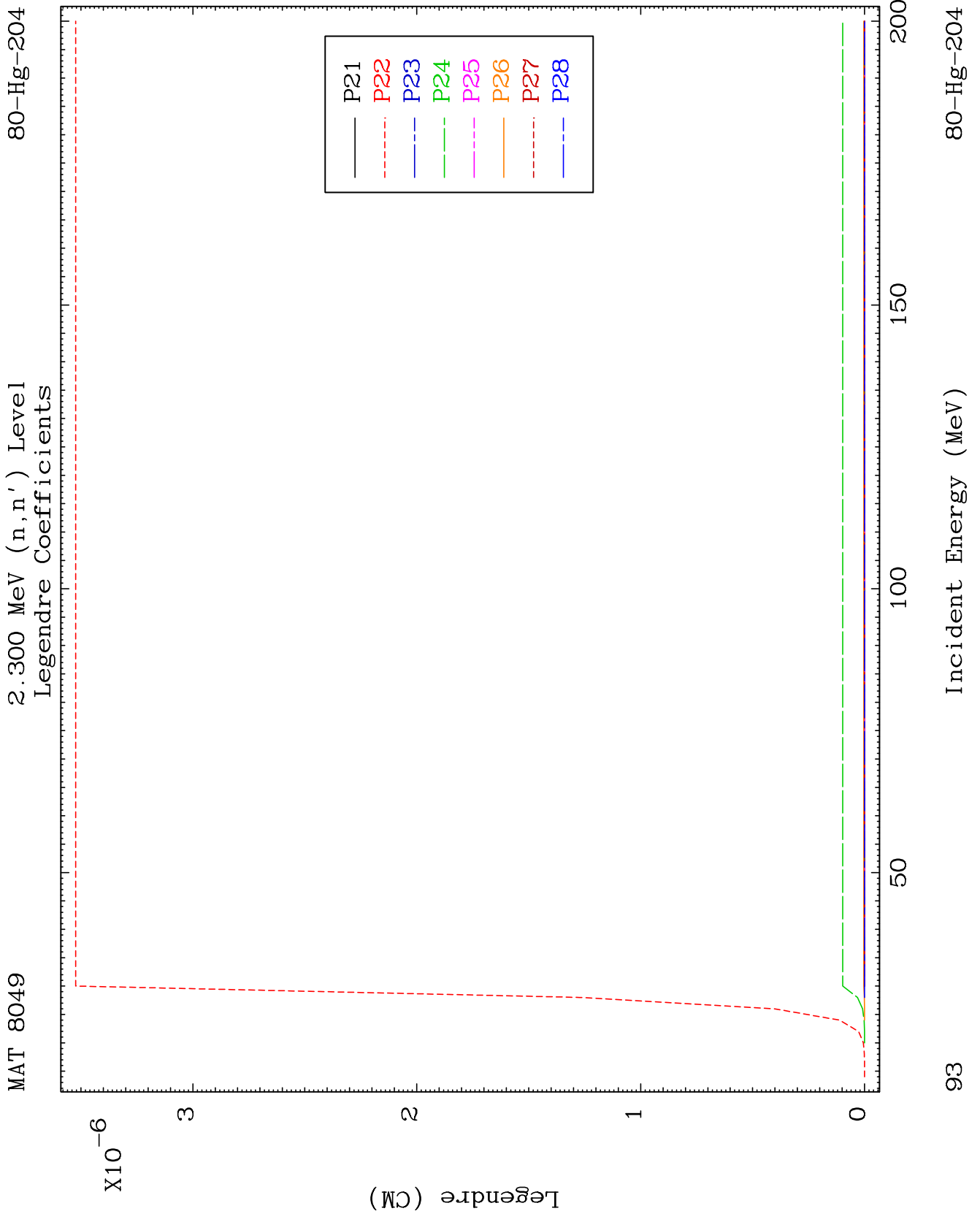
88

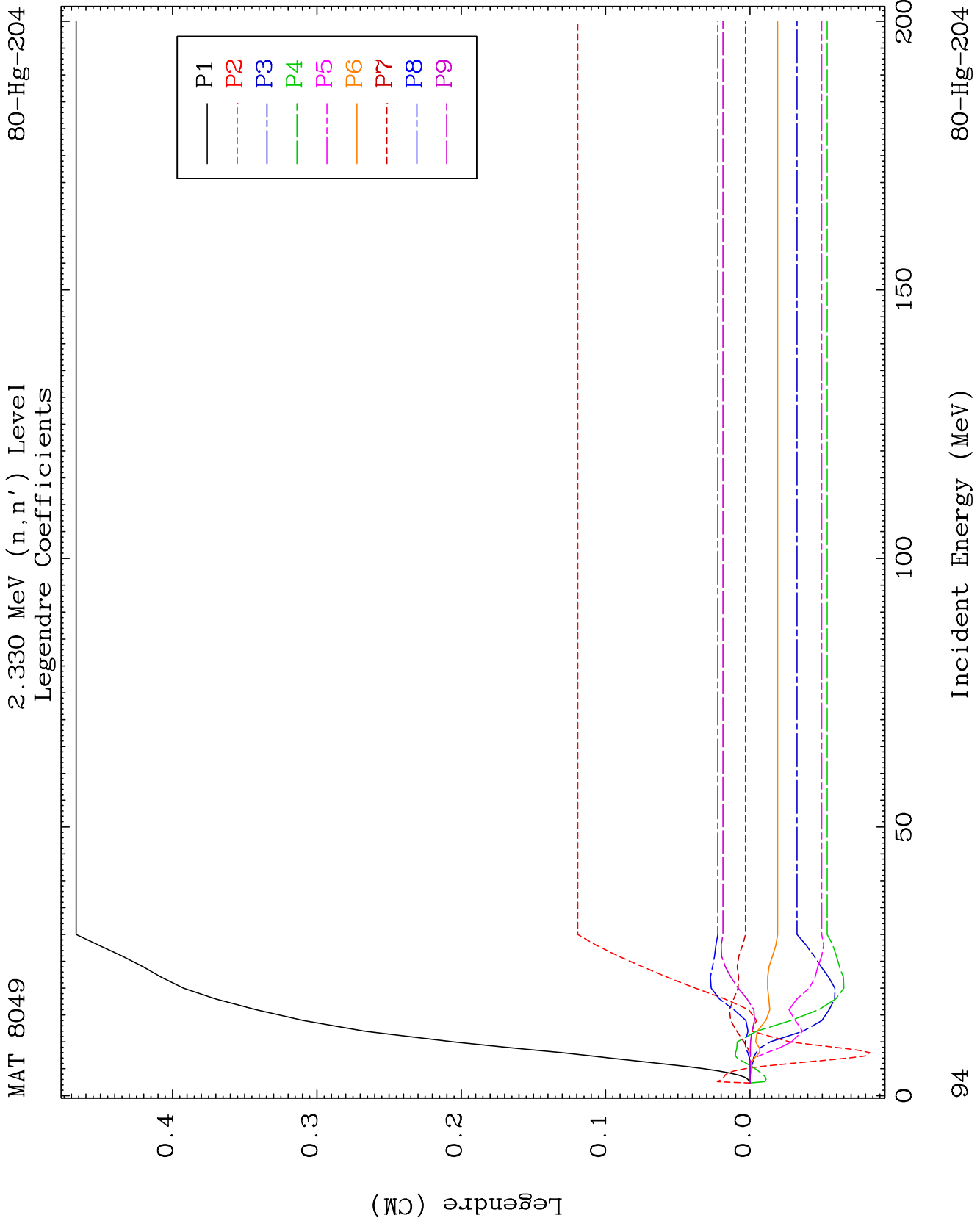
80-Hg-204







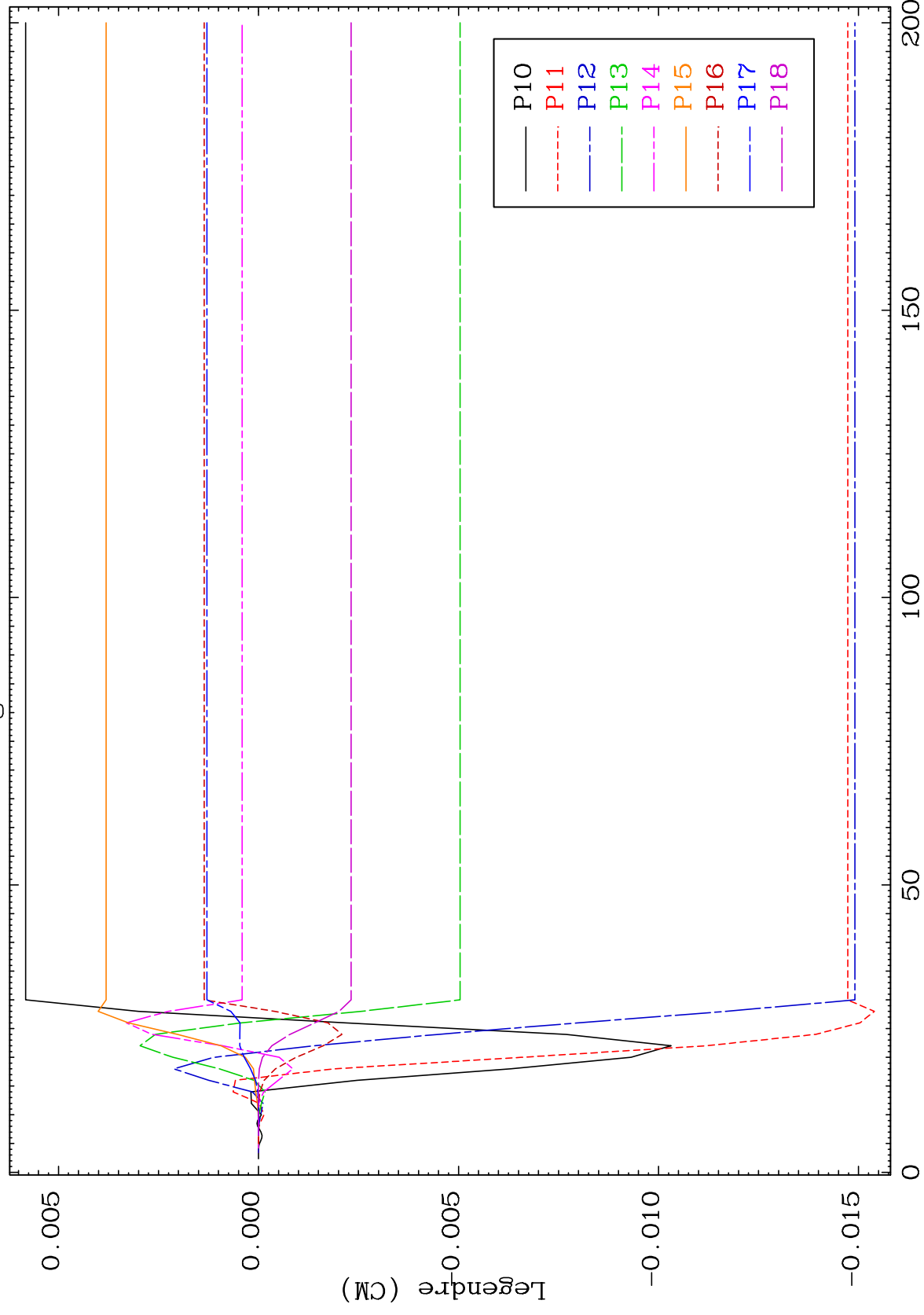




MAT 8049

2.330 MeV (n,n') Level
Legendre Coefficients

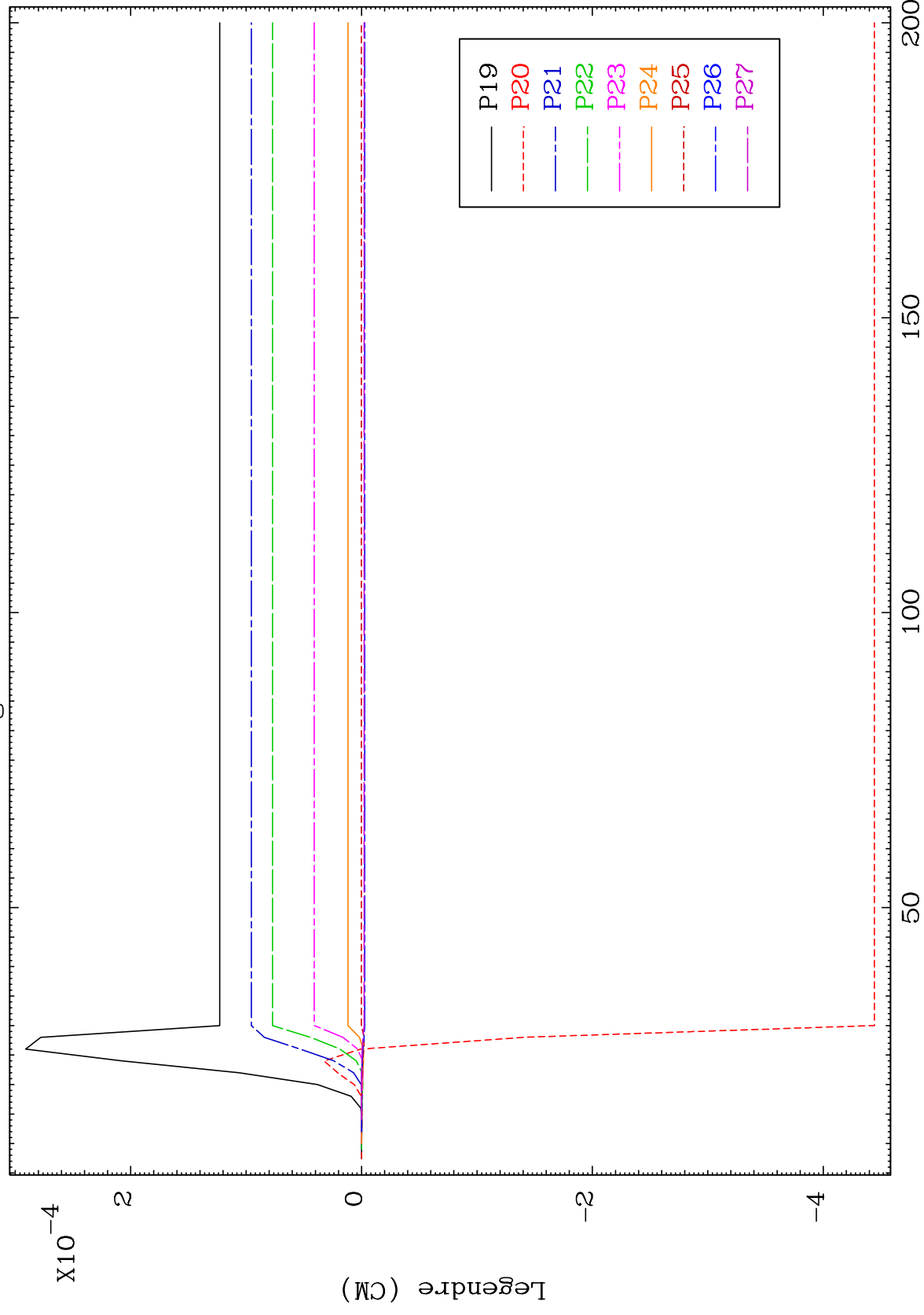
80-Hg-204

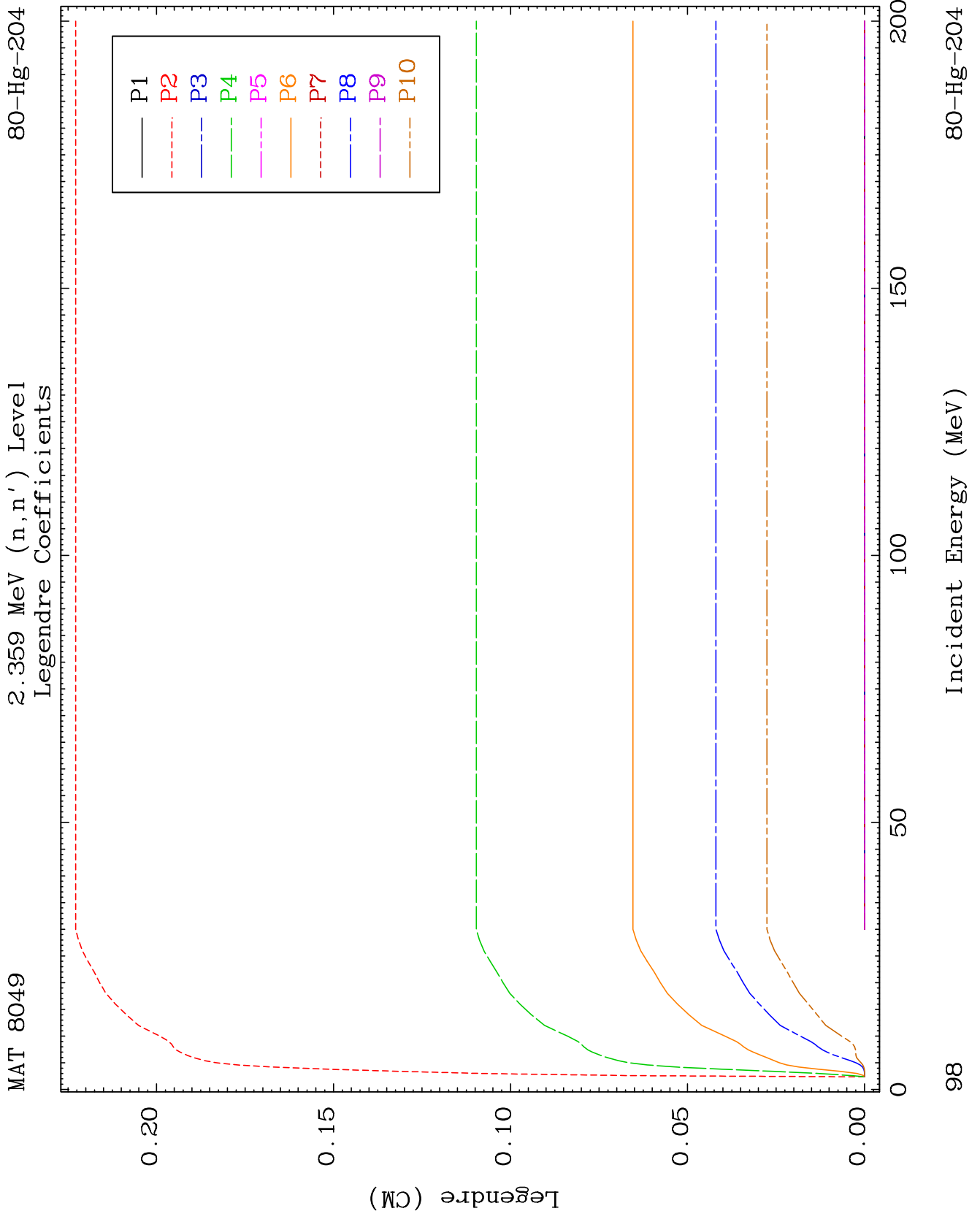


95

Incident Energy (MeV)

80-Hg-204

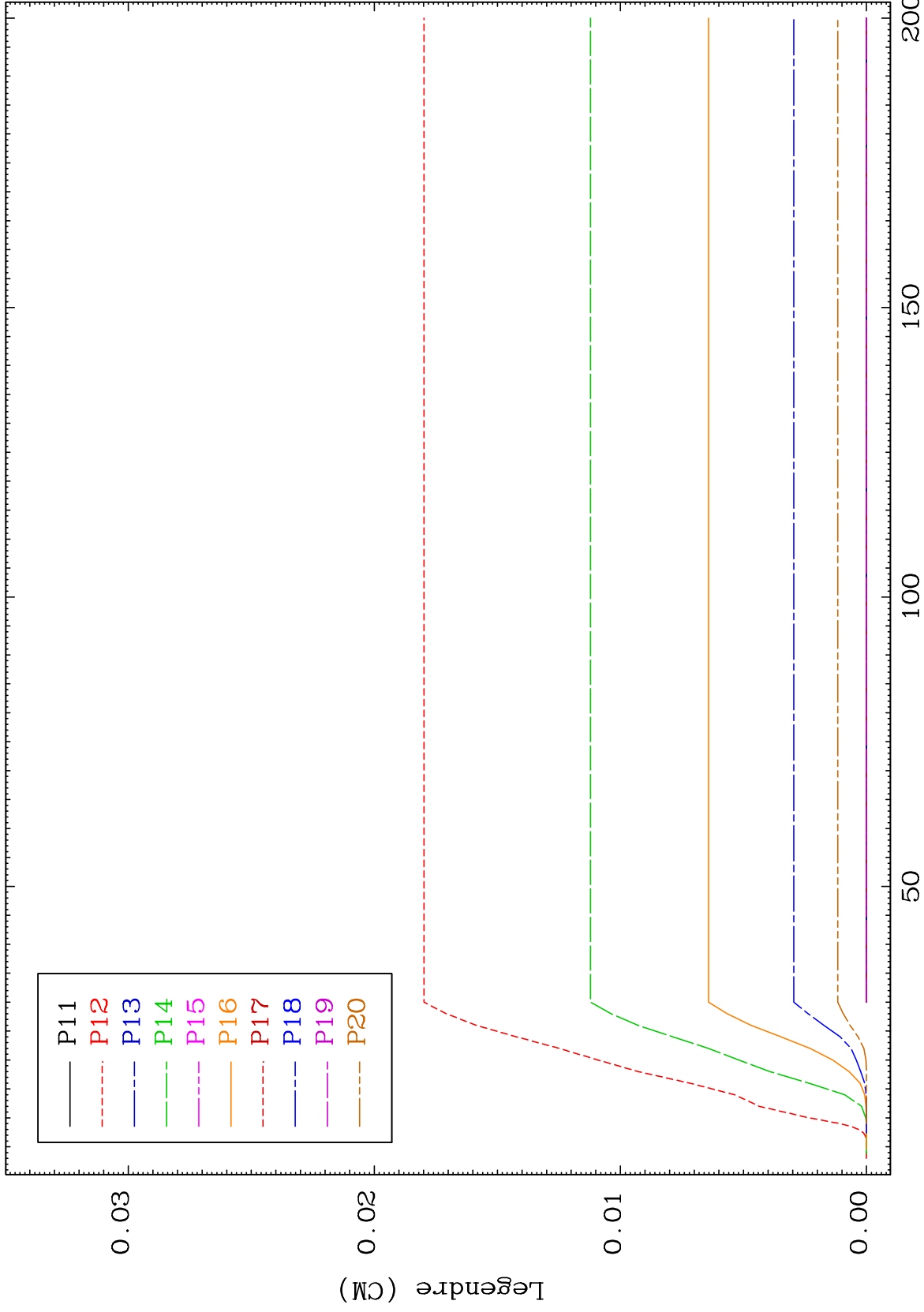




MAT 8049

2.359 MeV (n,n') Level
Legendre Coefficients

80-Hg-204



99

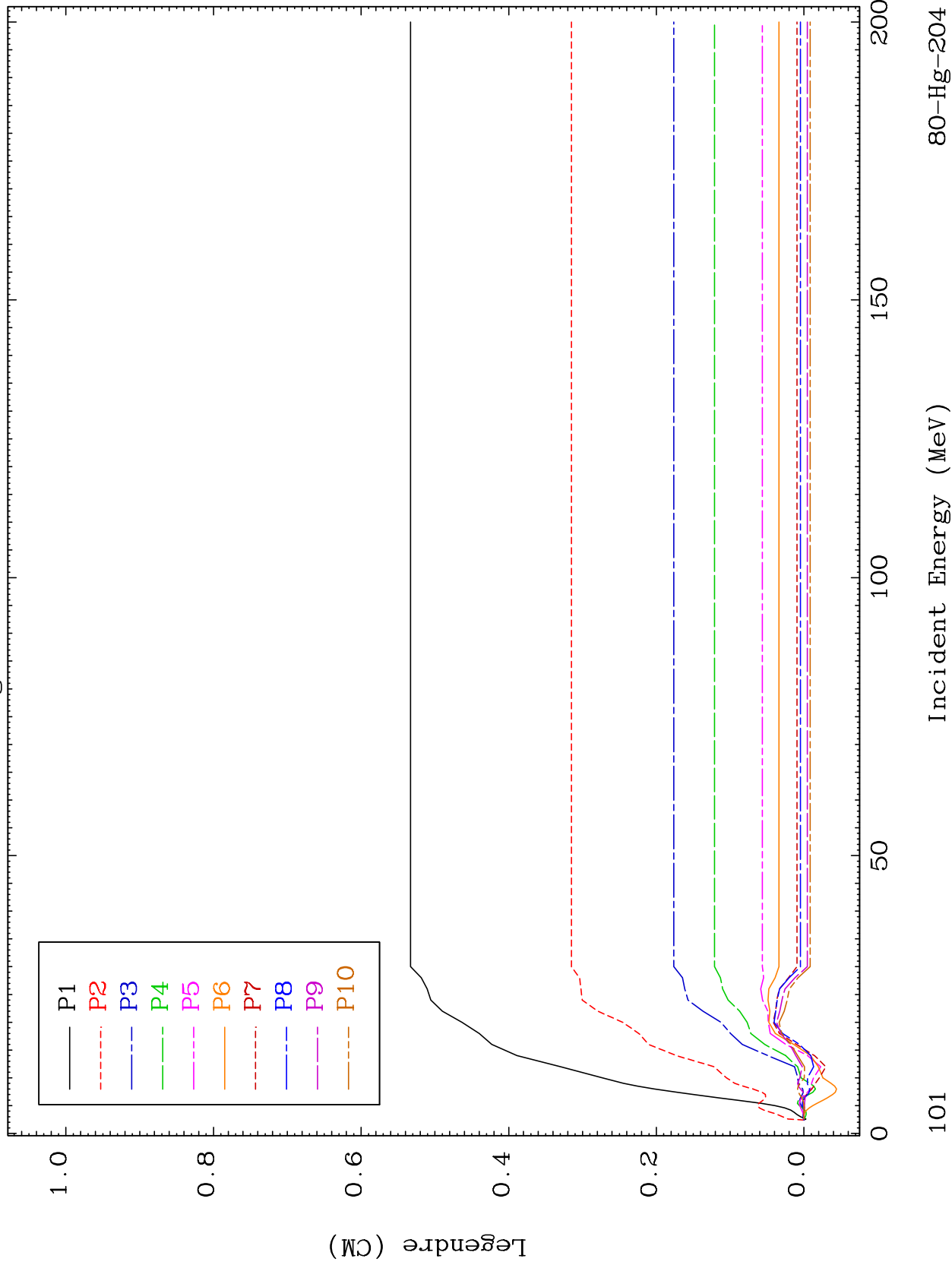
Incident Energy (MeV)

80-Hg-204

MAT 8049

2.386 MeV (n, n') Level
Legendre Coefficients

80-Hg-204

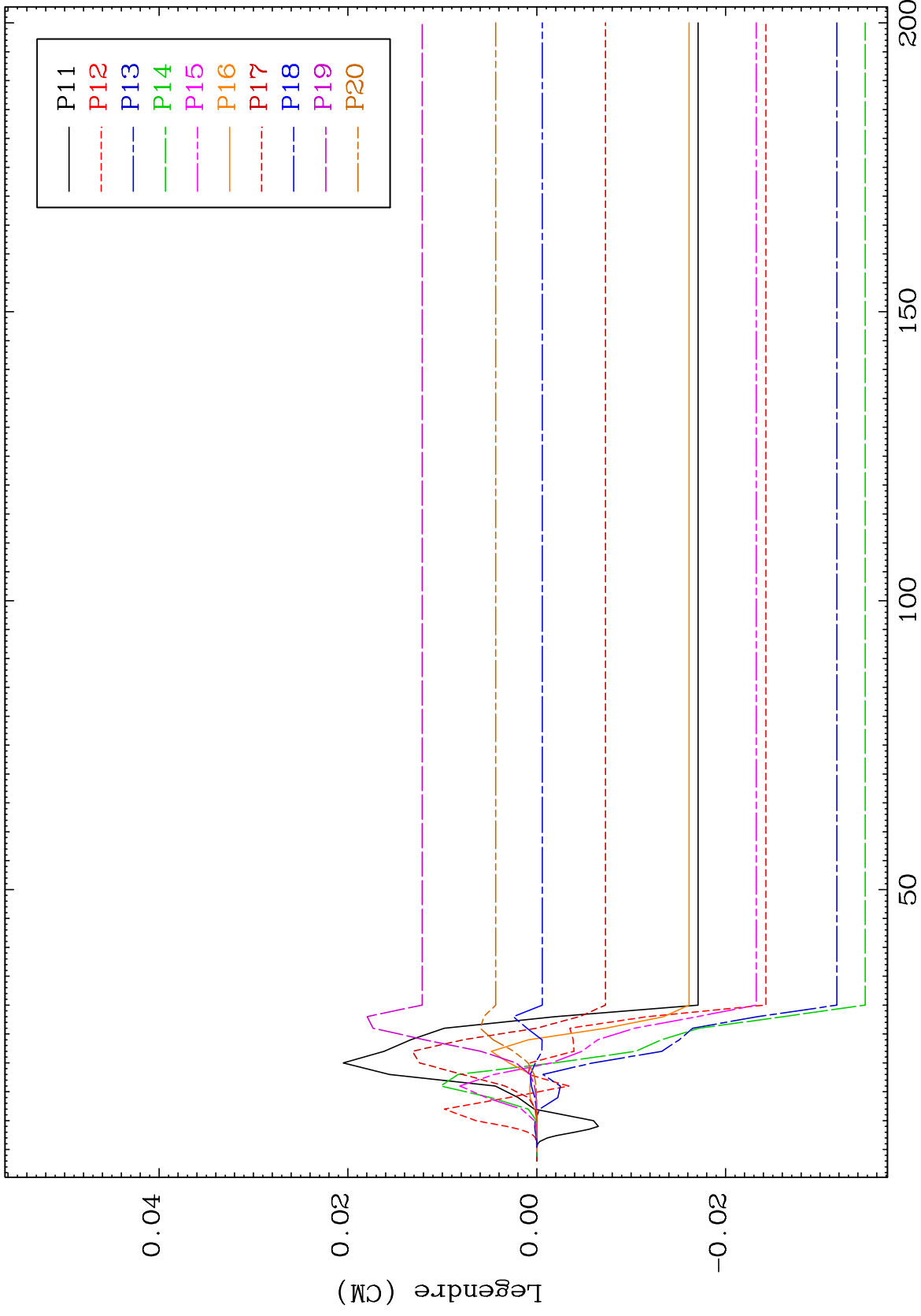


101

MAT 8049

2.386 MeV (n, n') Level
Legendre Coefficients

80-Hg-204



102

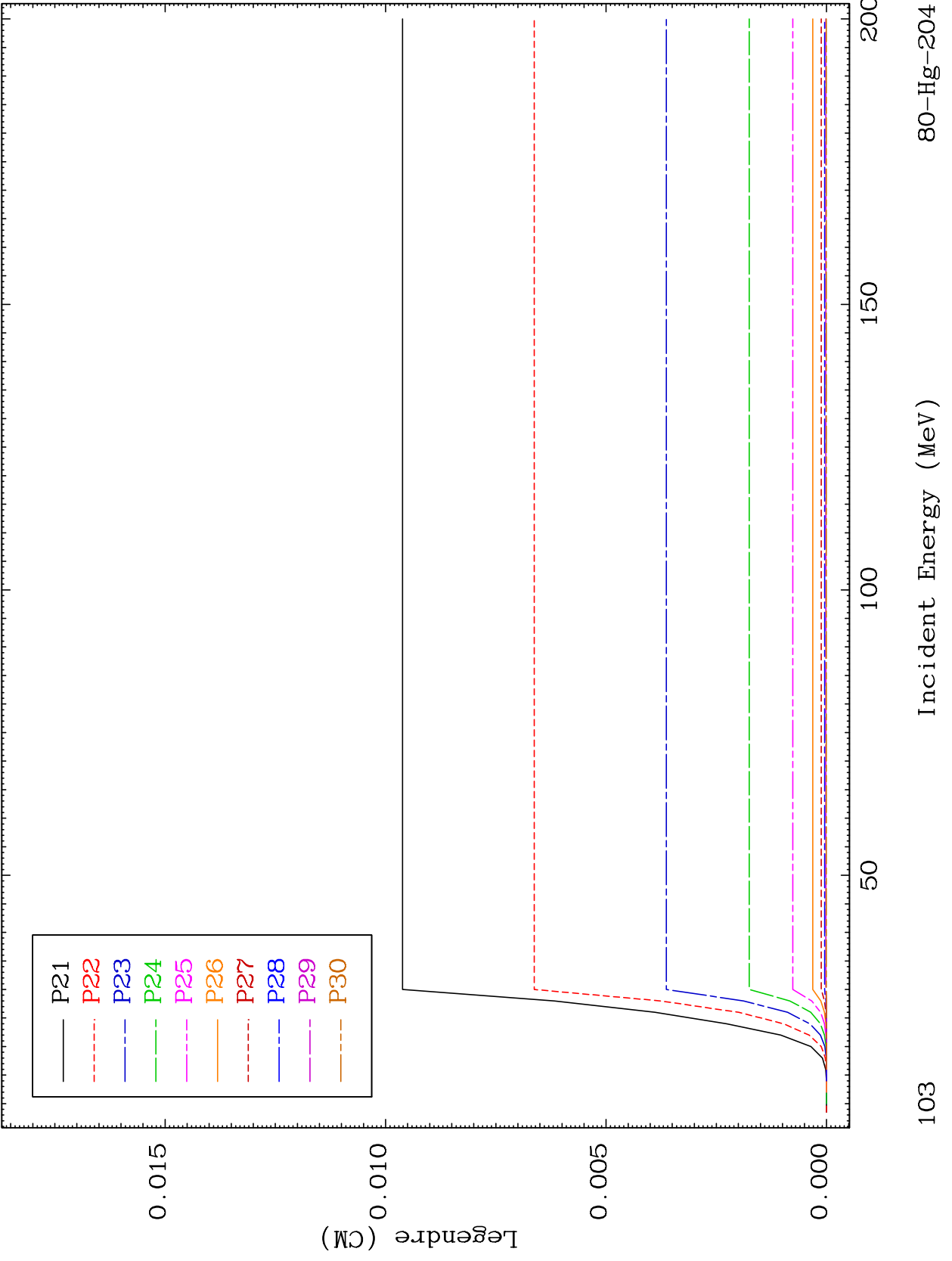
Incident Energy (MeV)

80-Hg-204

MAT 8049

2.386 MeV (n,n') Level
Legendre Coefficients

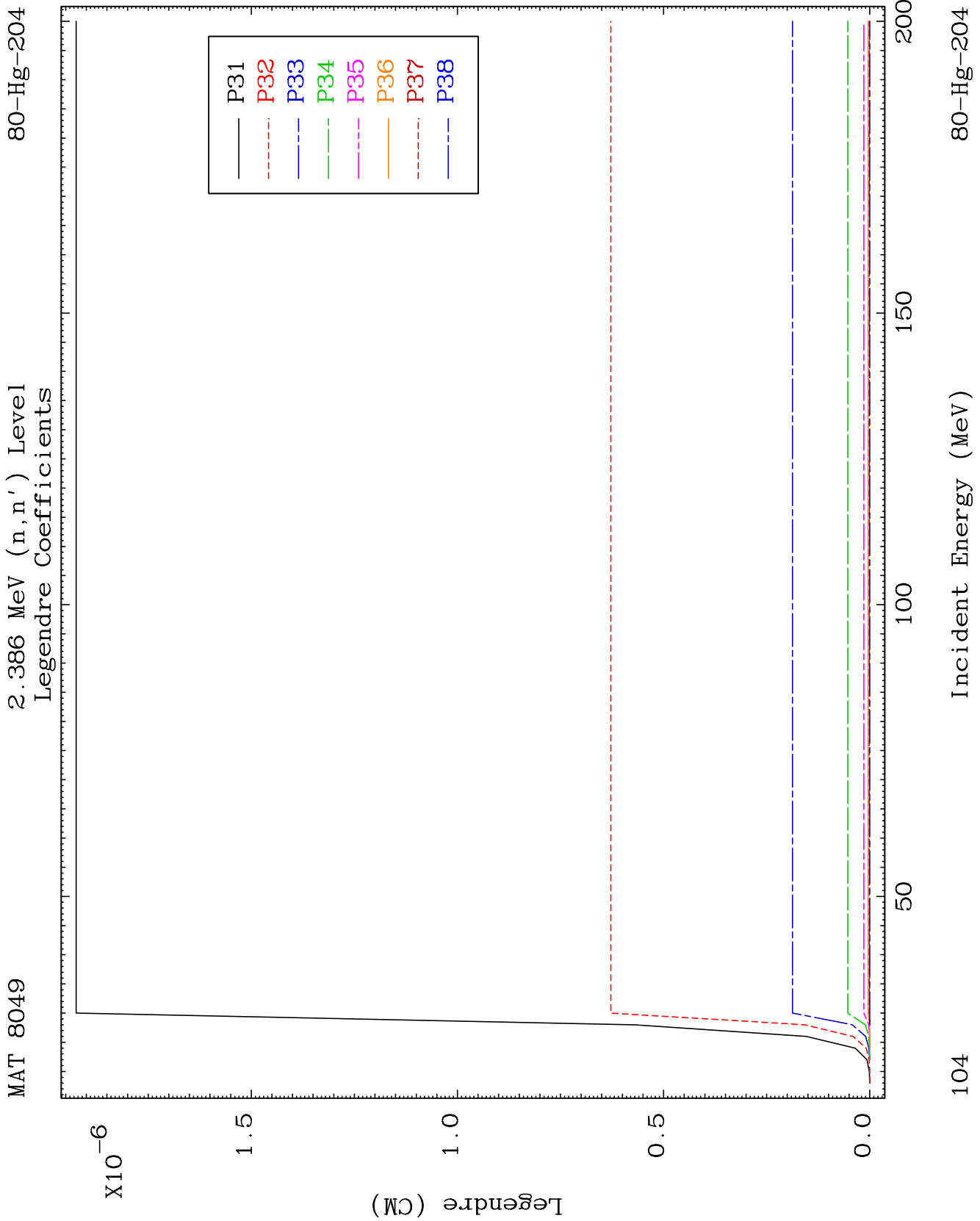
80-Hg-204

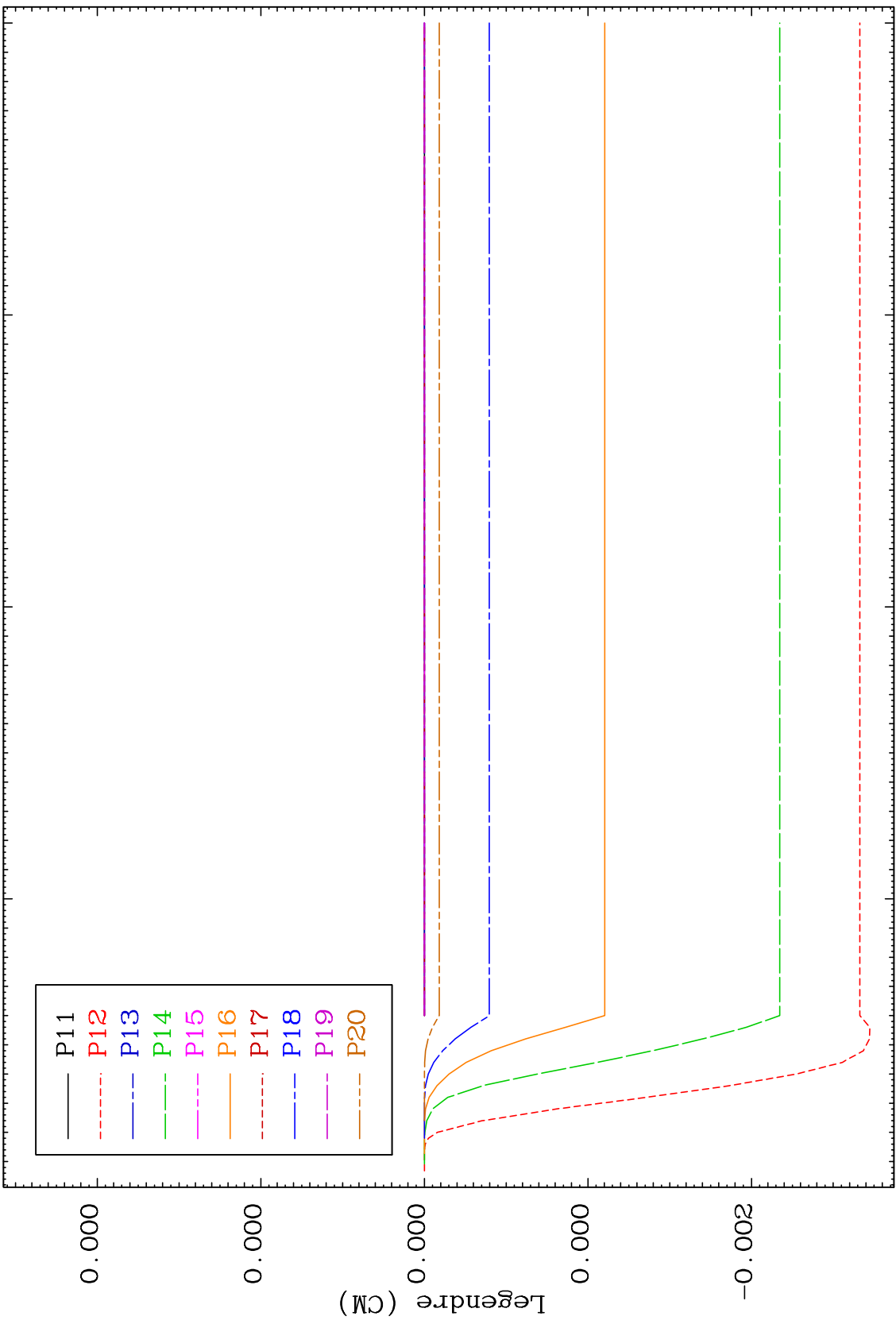


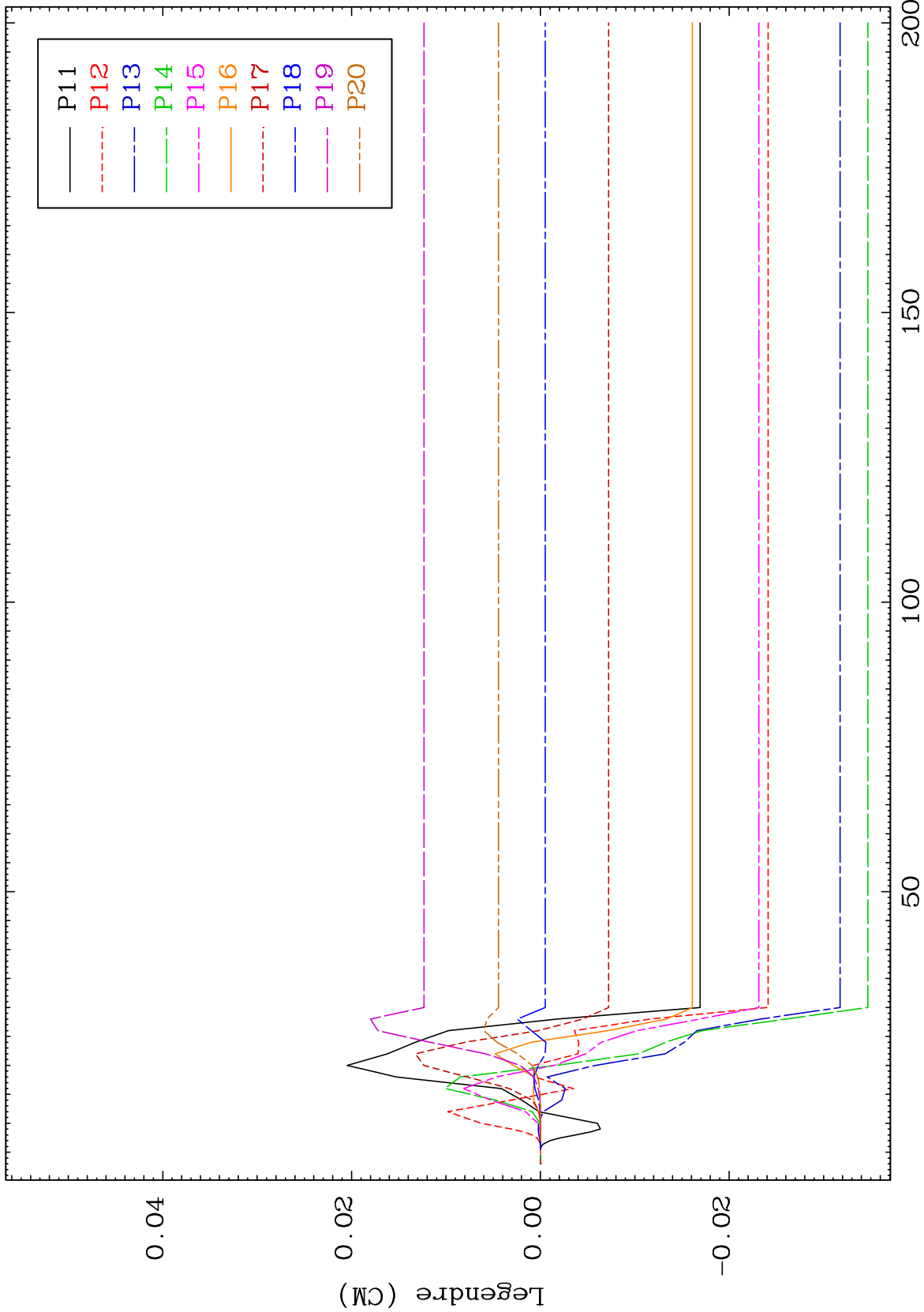
103

Incident Energy (MeV)

80-Hg-204



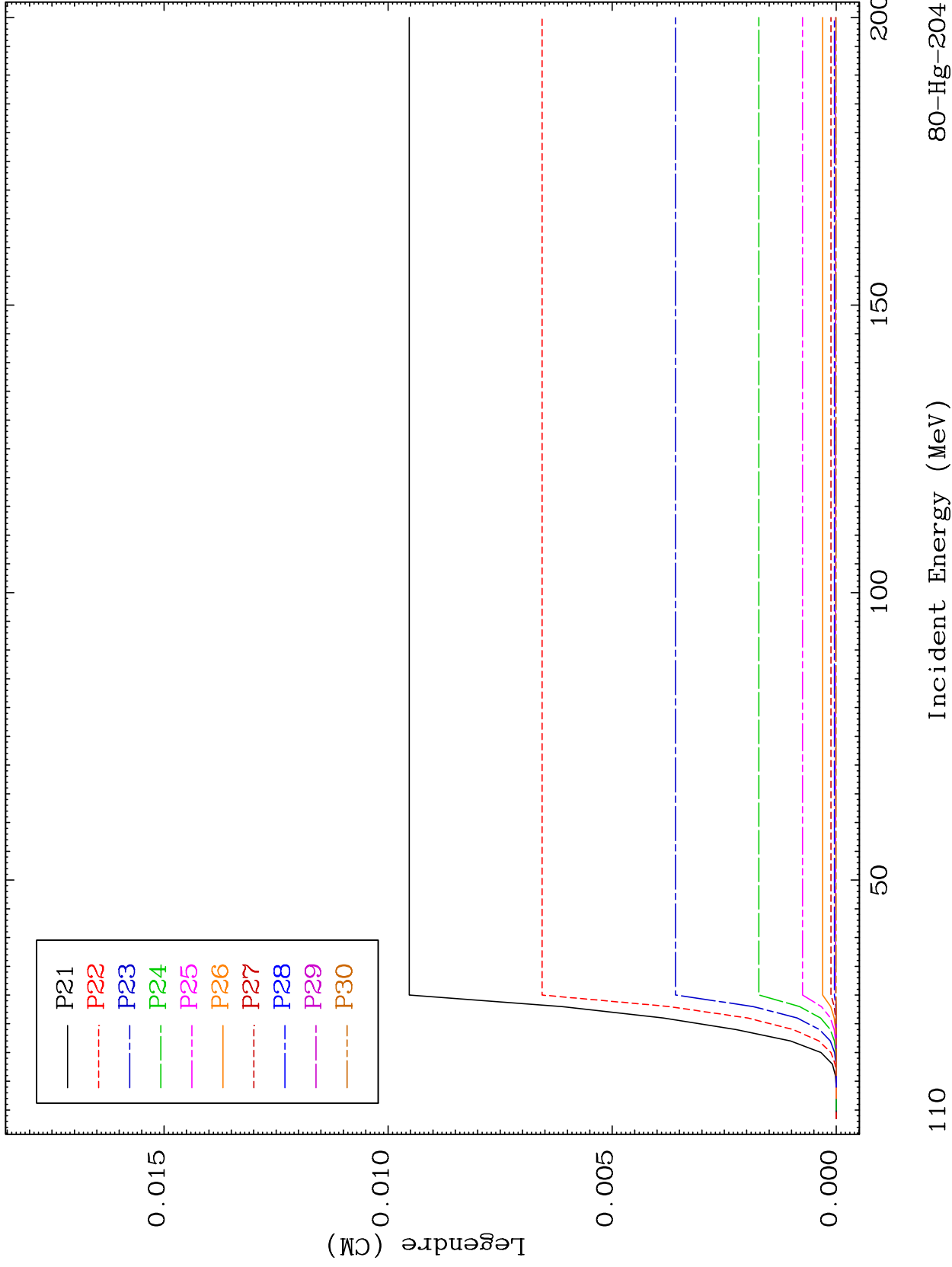




MAT 8049

2.465 MeV (n,n') Level
Legendre Coefficients

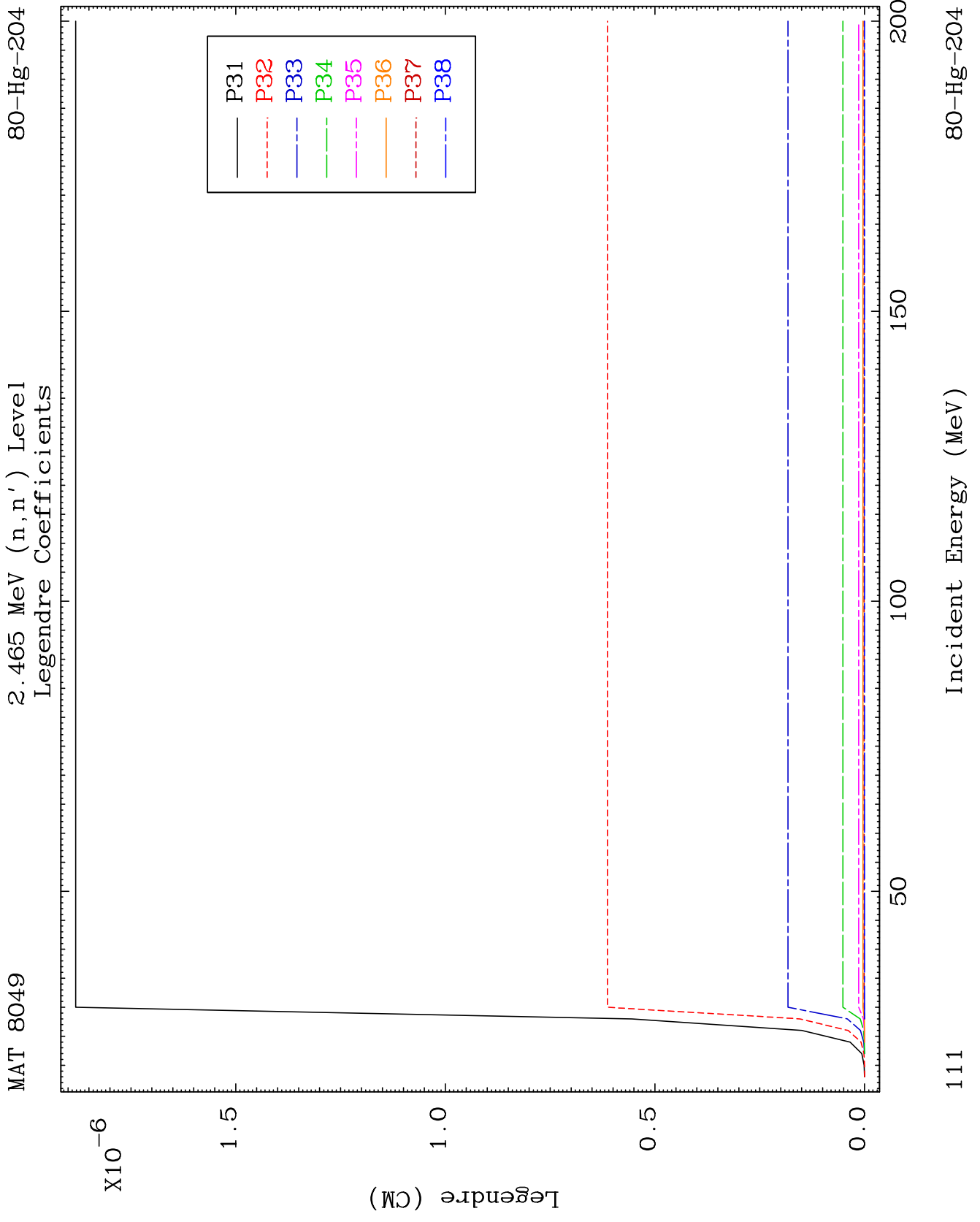
80-Hg-204

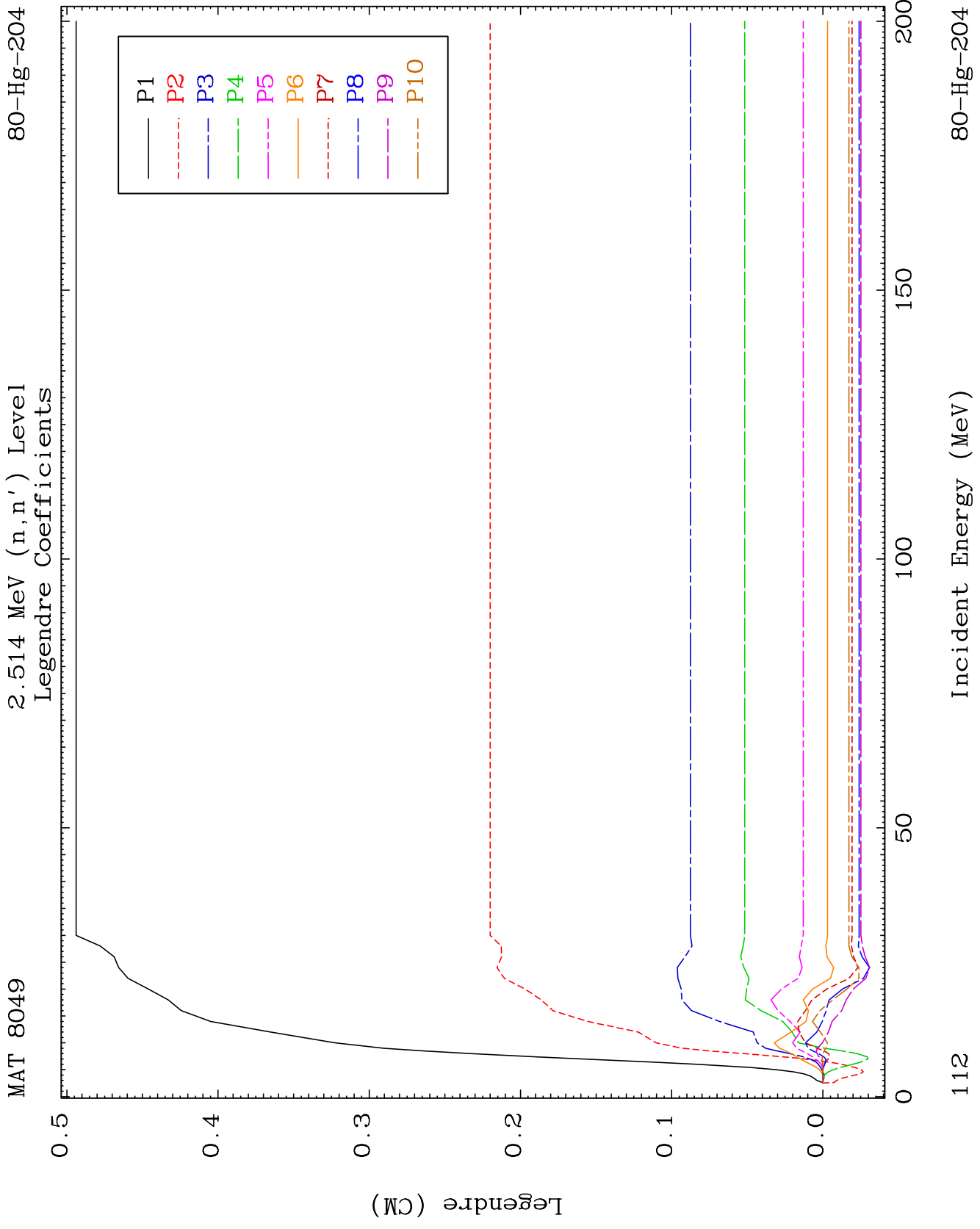


110

Incident Energy (MeV)

80-Hg-204

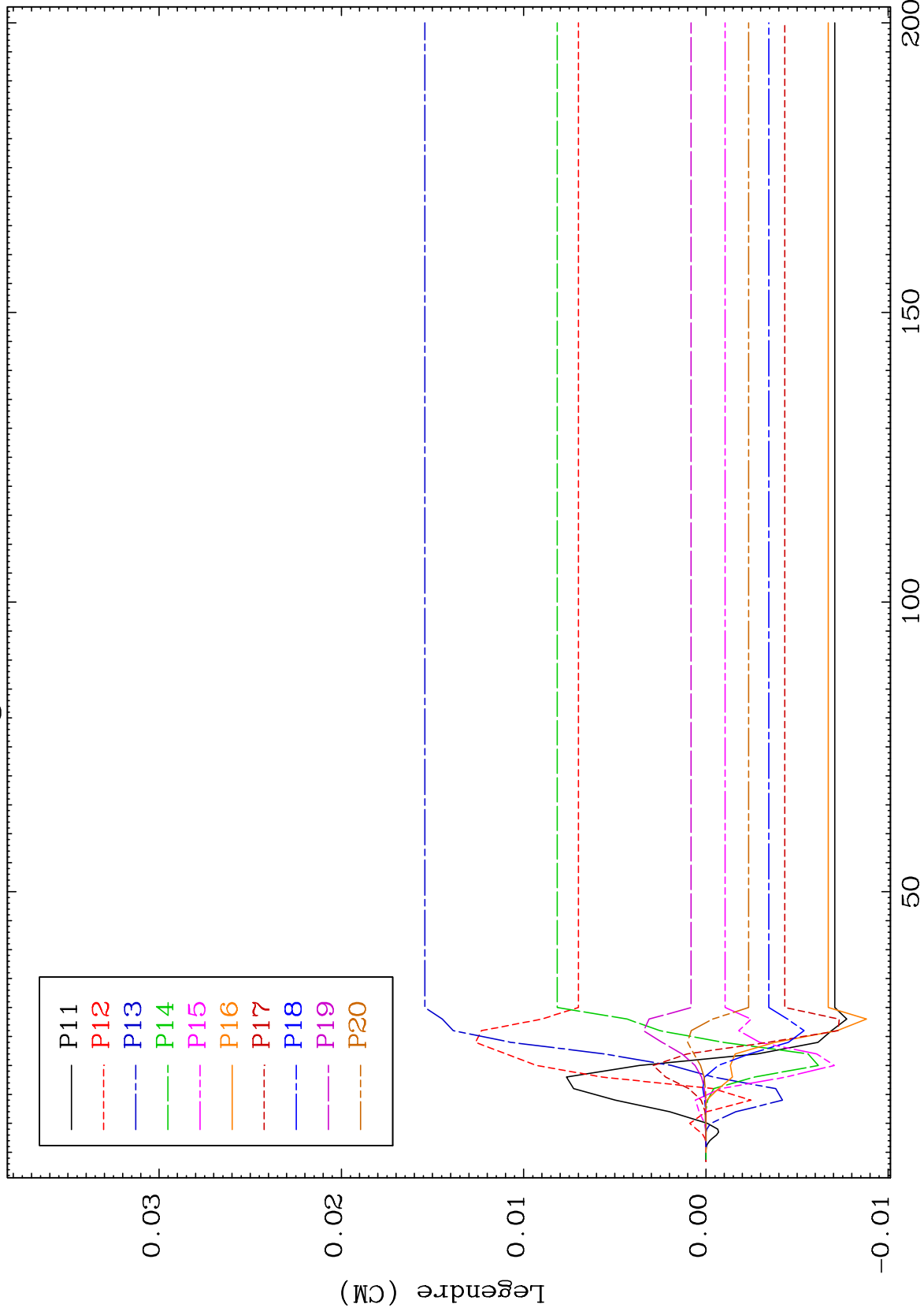




MAT 8049

2.514 MeV (n, n') Level
Legendre Coefficients

80-Hg-204



113

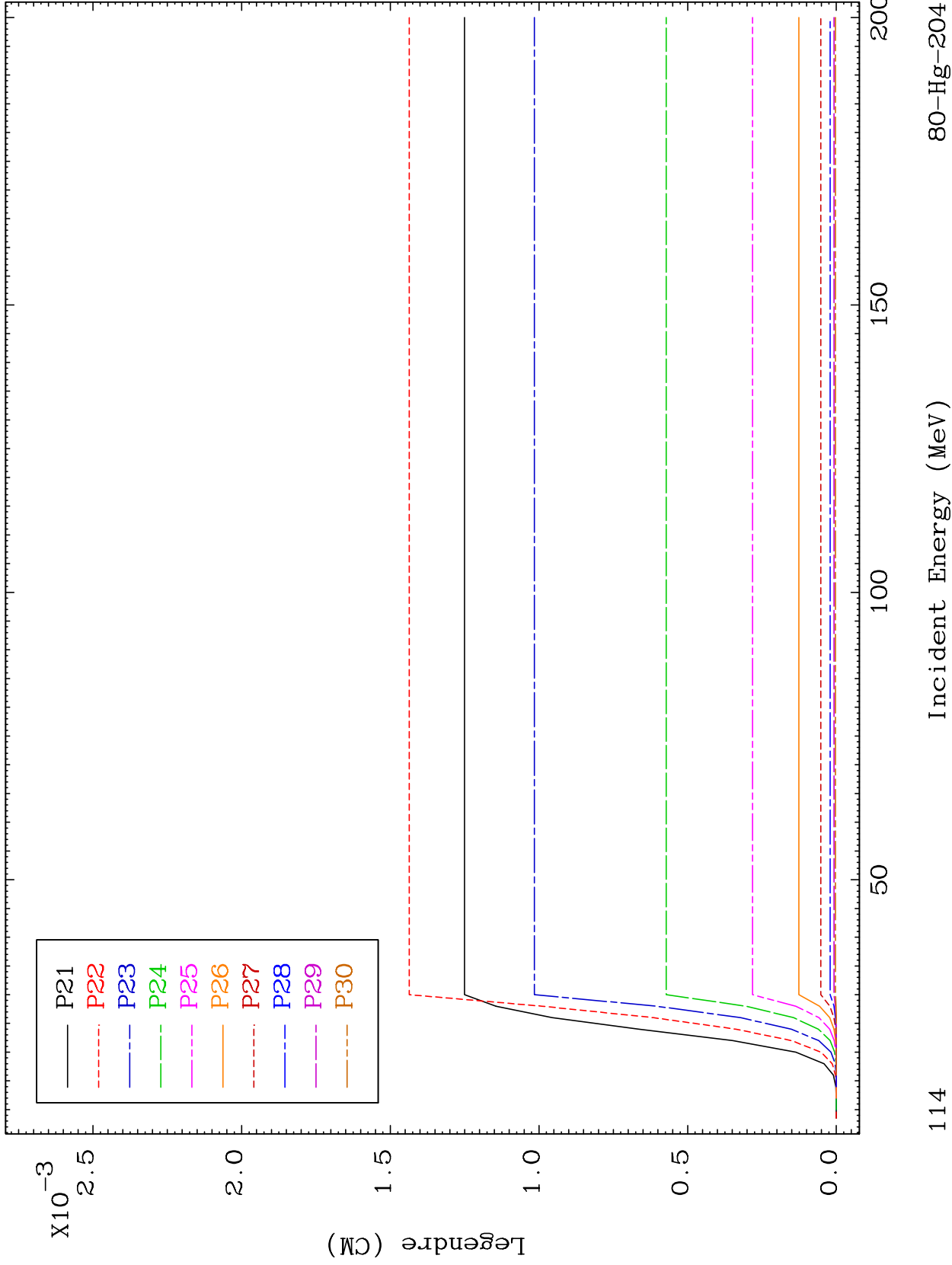
Incident Energy (MeV)

80-Hg-204

MAT 8049

2.514 MeV (n,n') Level
Legendre Coefficients

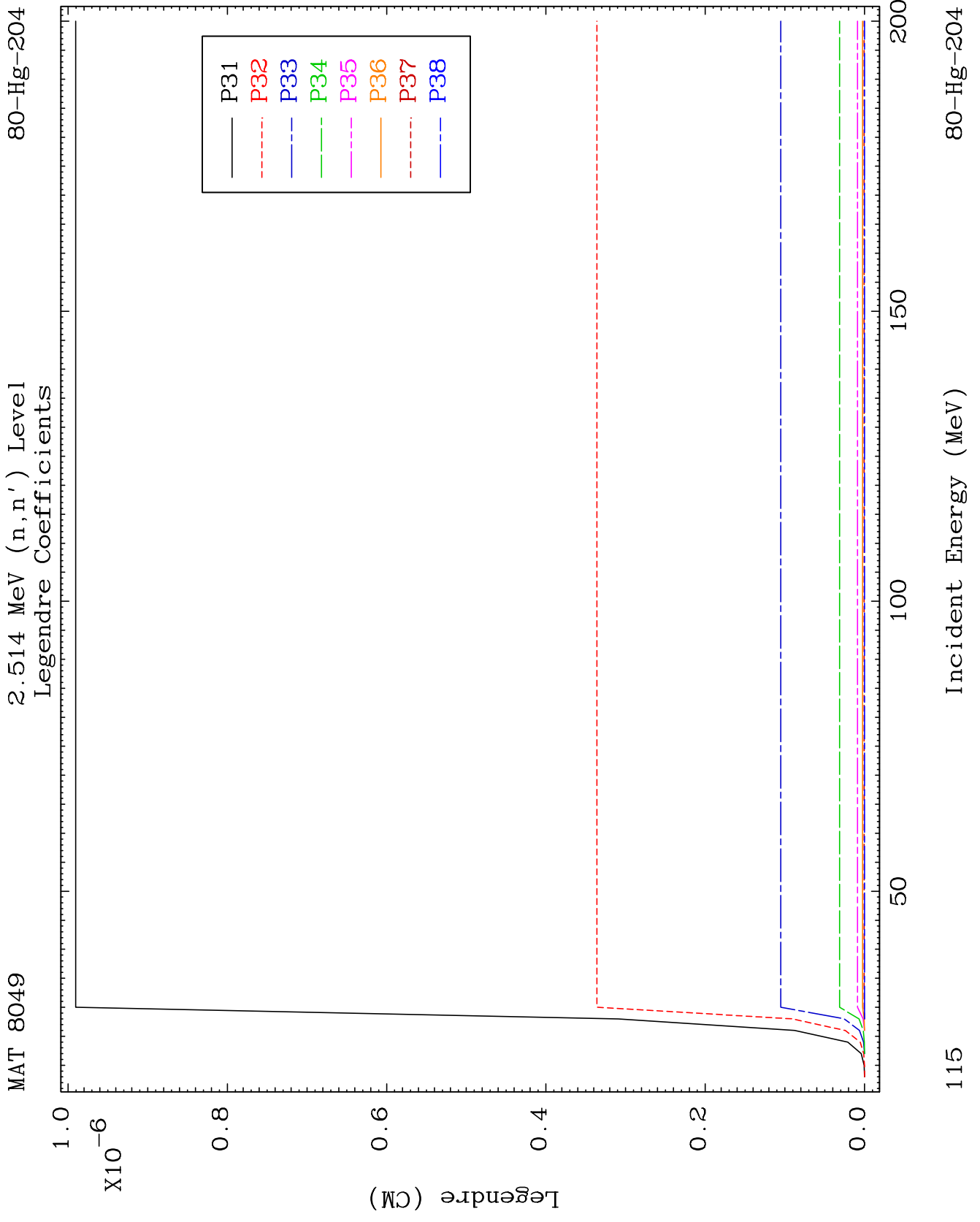
80-Hg-204

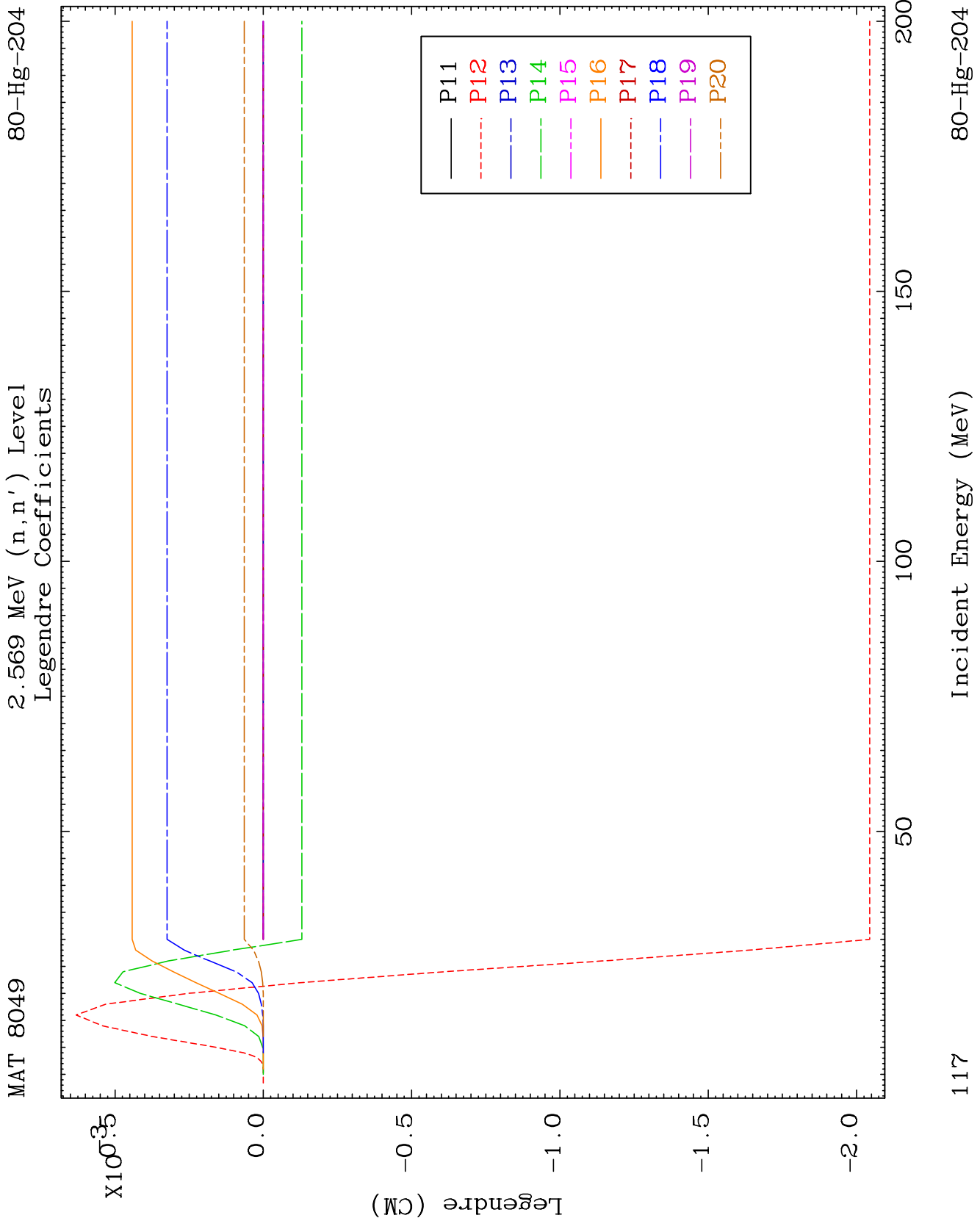


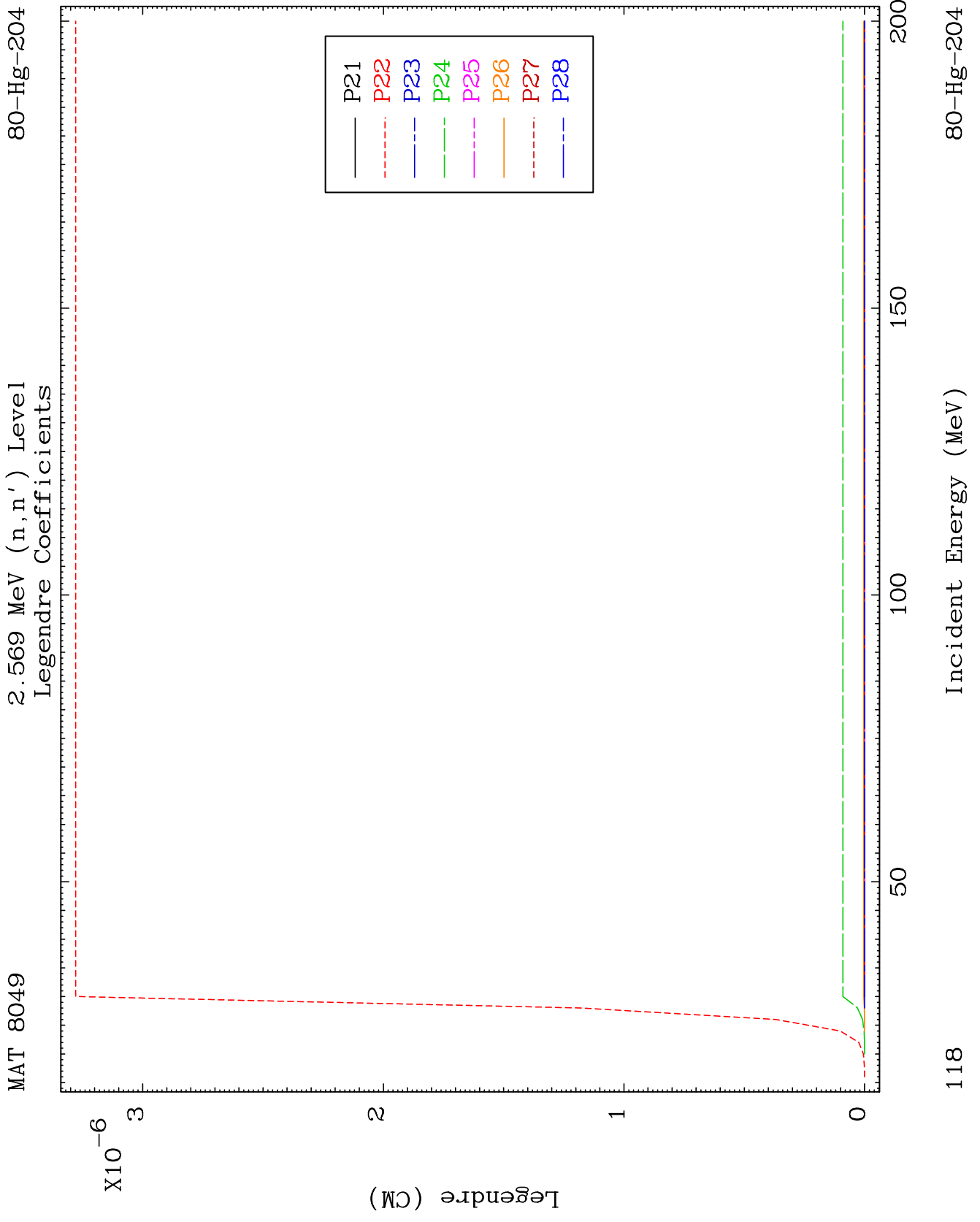
114

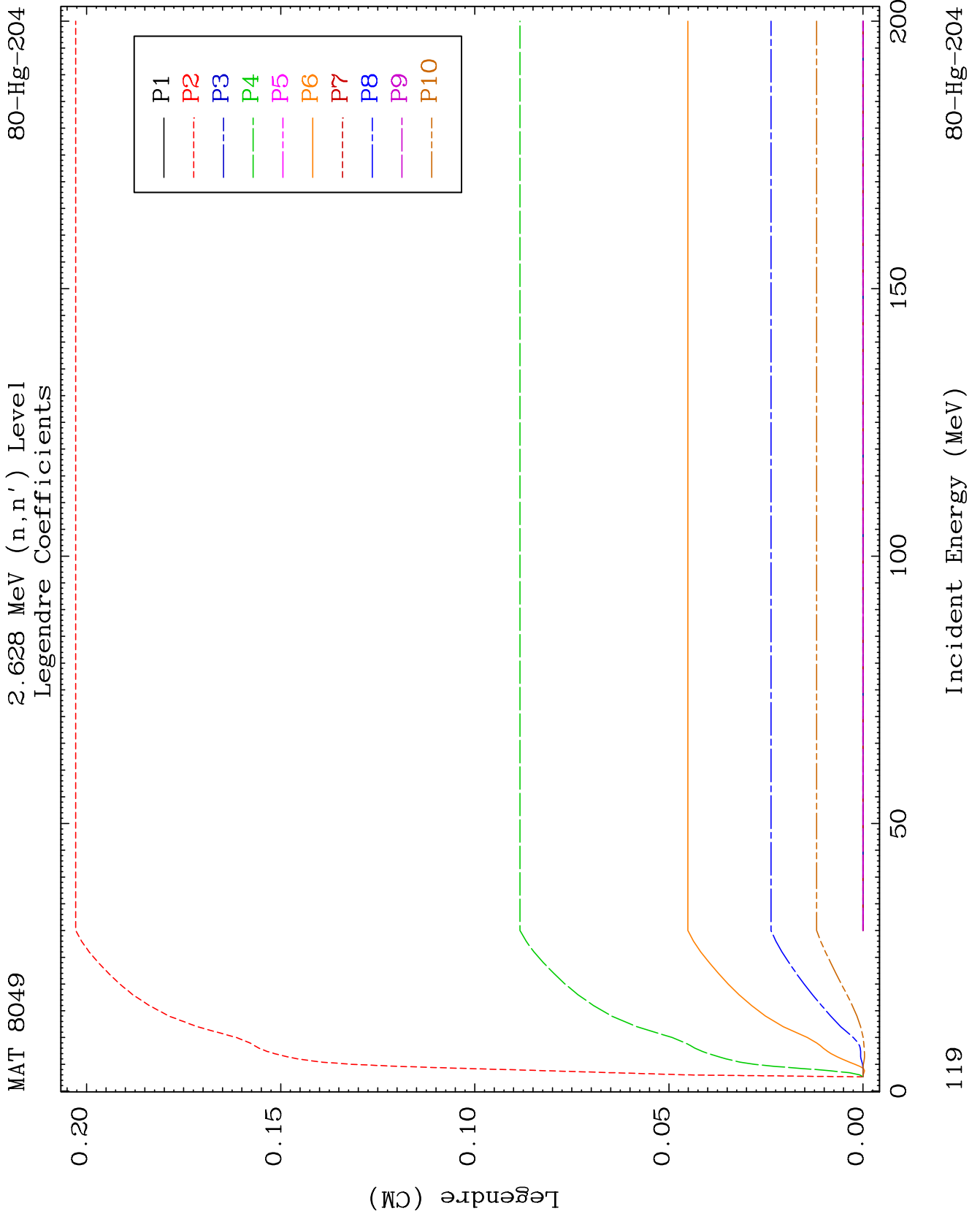
Incident Energy (MeV)

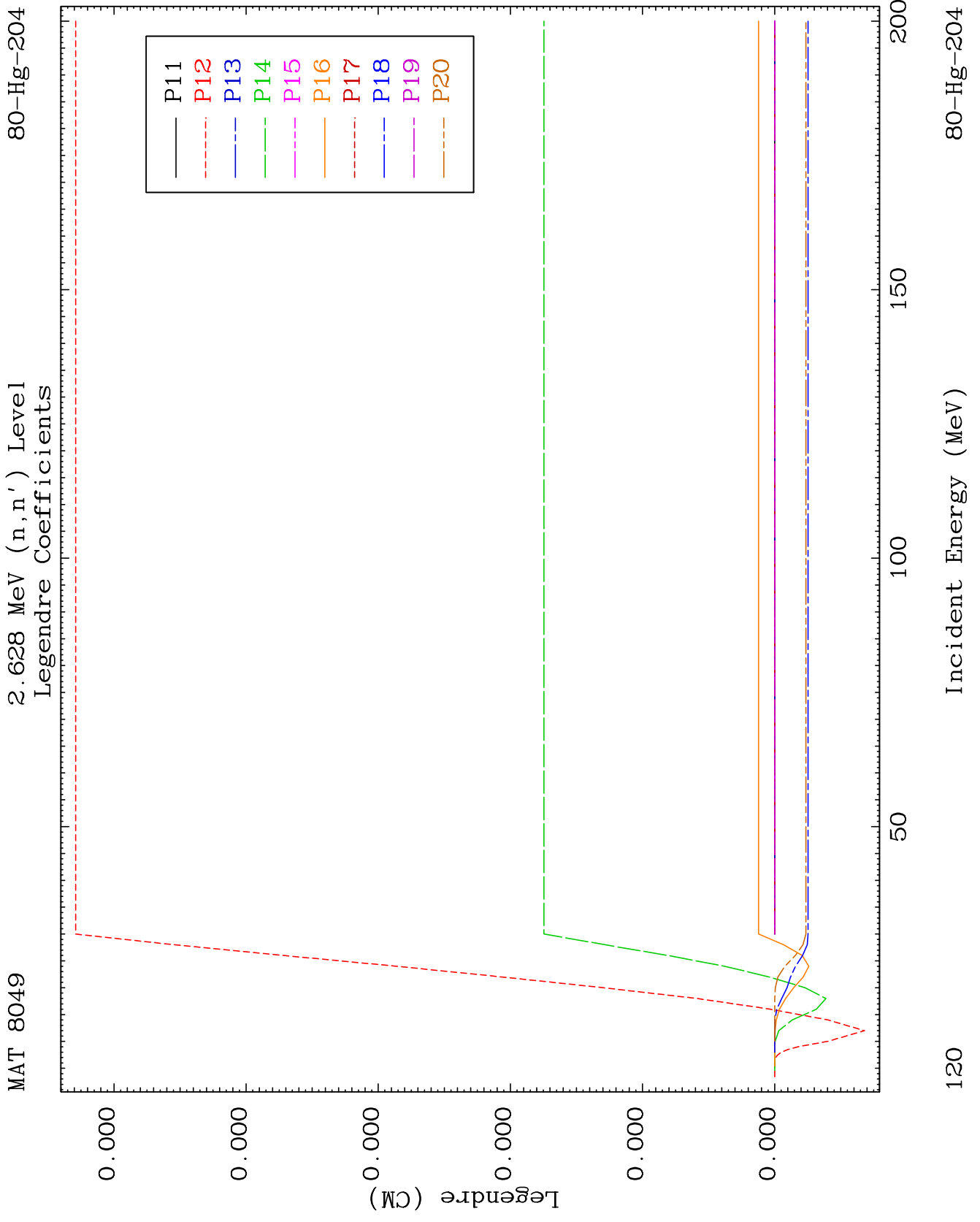
80-Hg-204

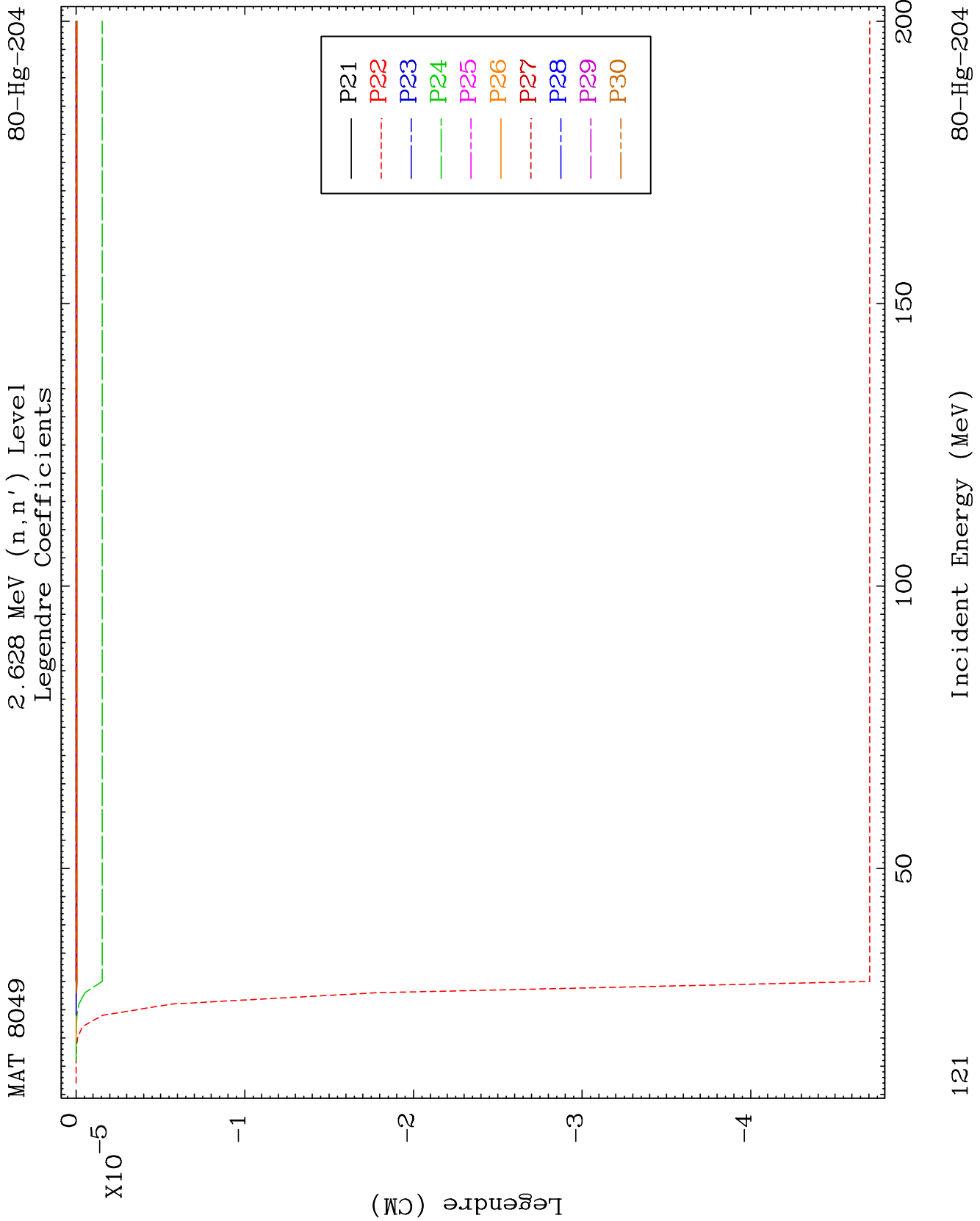








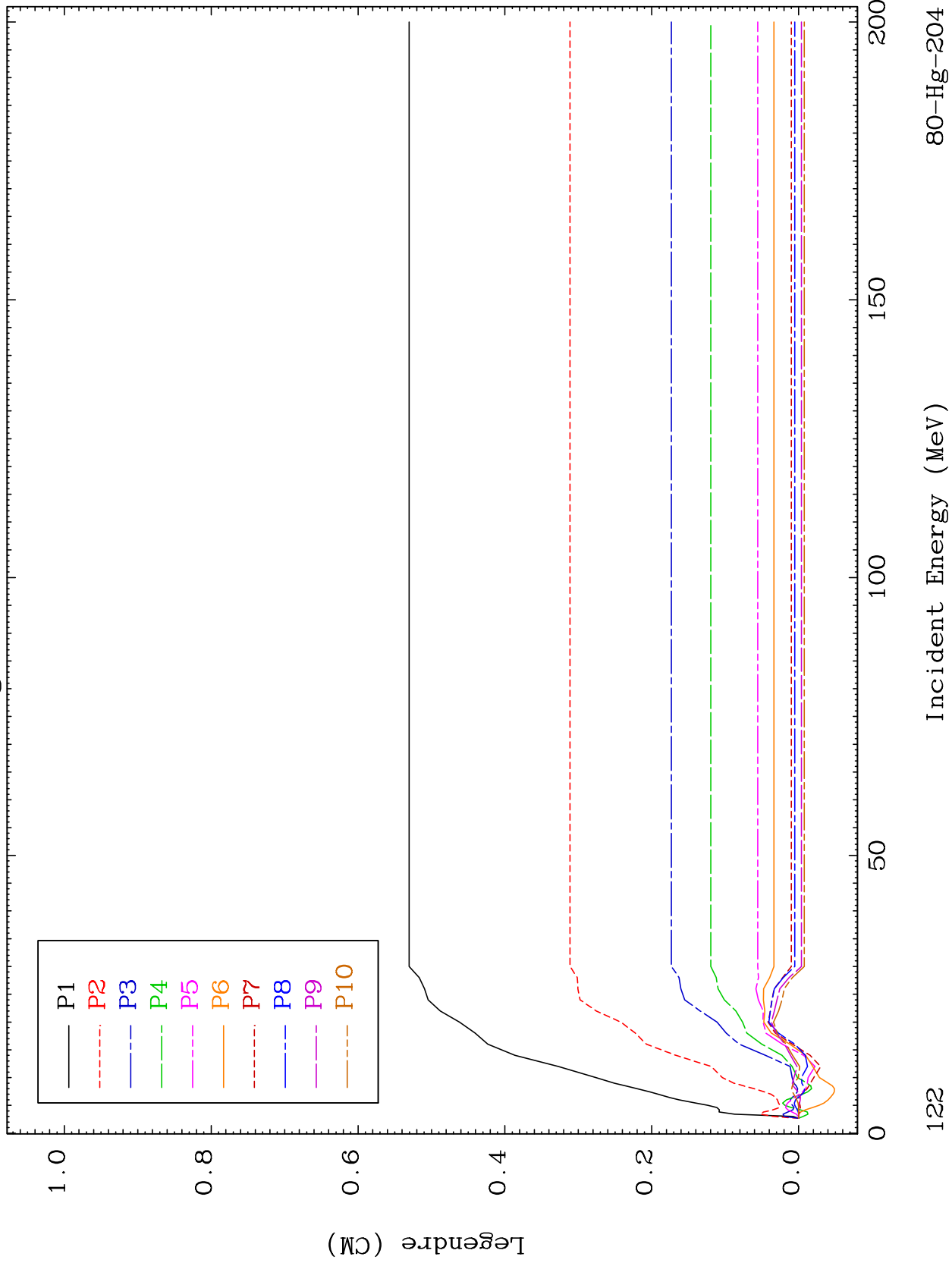




MAT 8049

2.657 MeV (n,n') Level
Legendre Coefficients

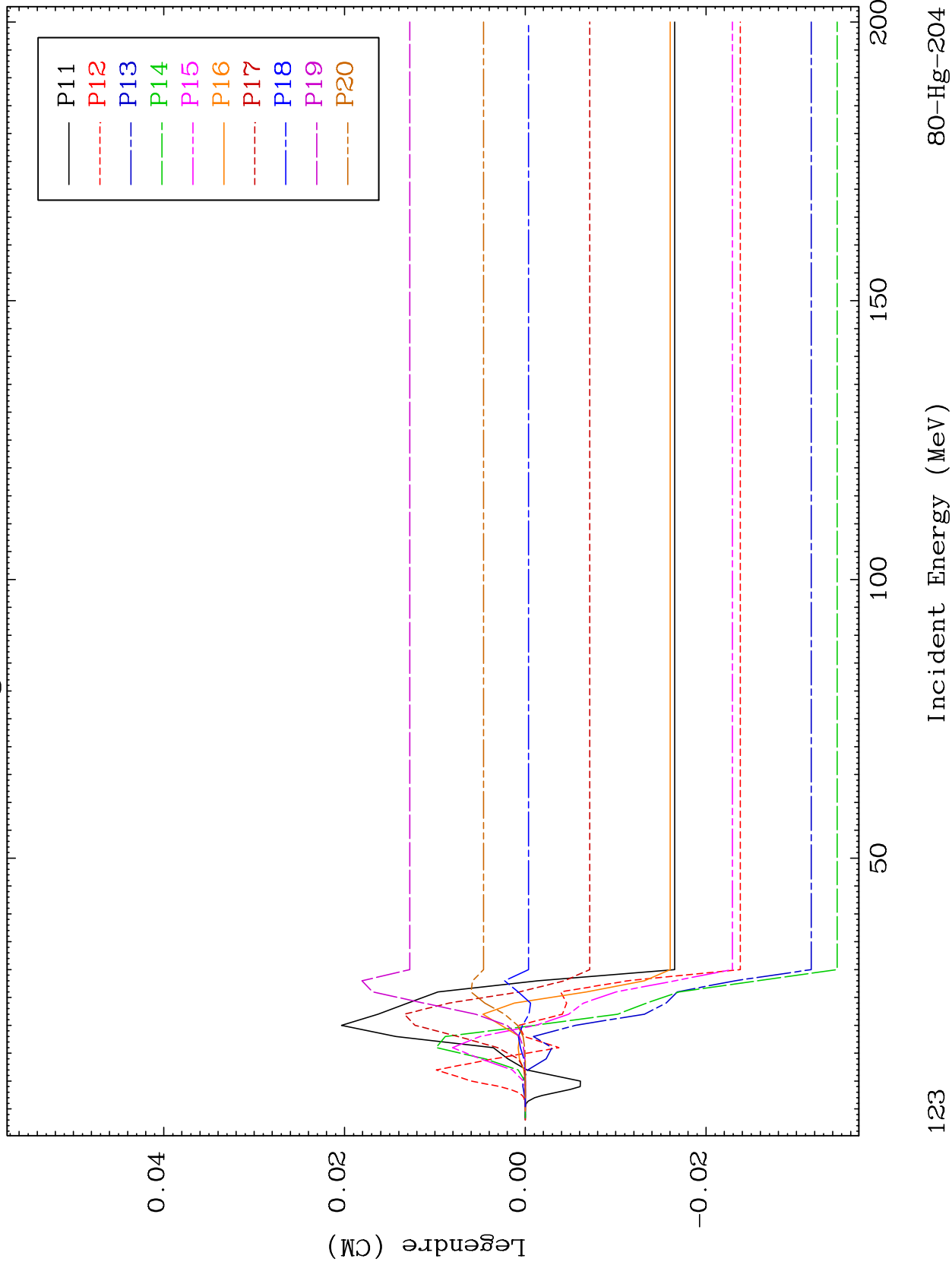
80-Hg-204



MAT 8049

2.657 MeV (n,n') Level
Legendre Coefficients

80-Hg-204



123

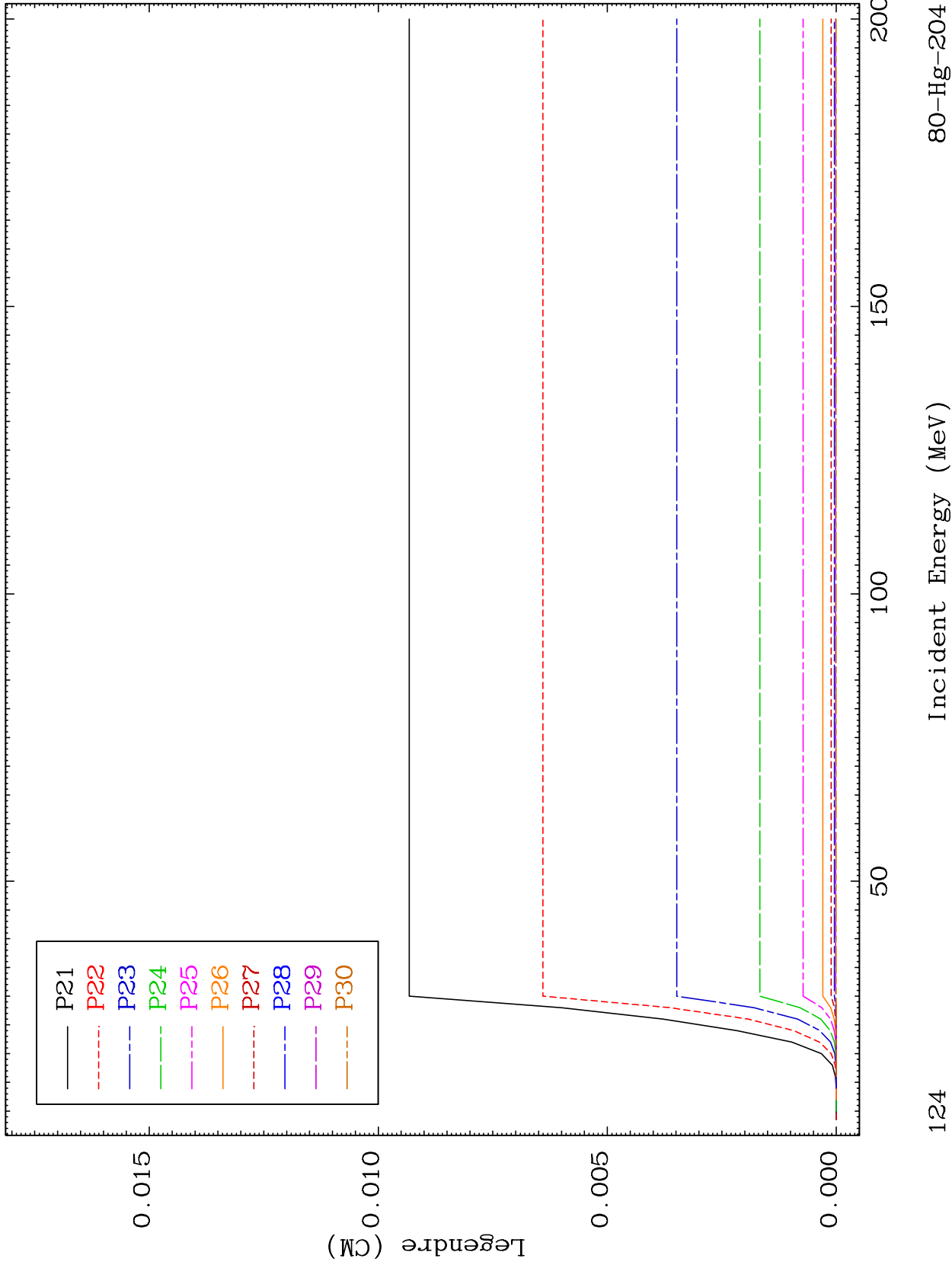
Incident Energy (MeV)

80-Hg-204

MAT 8049

2.657 MeV (n,n') Level
Legendre Coefficients

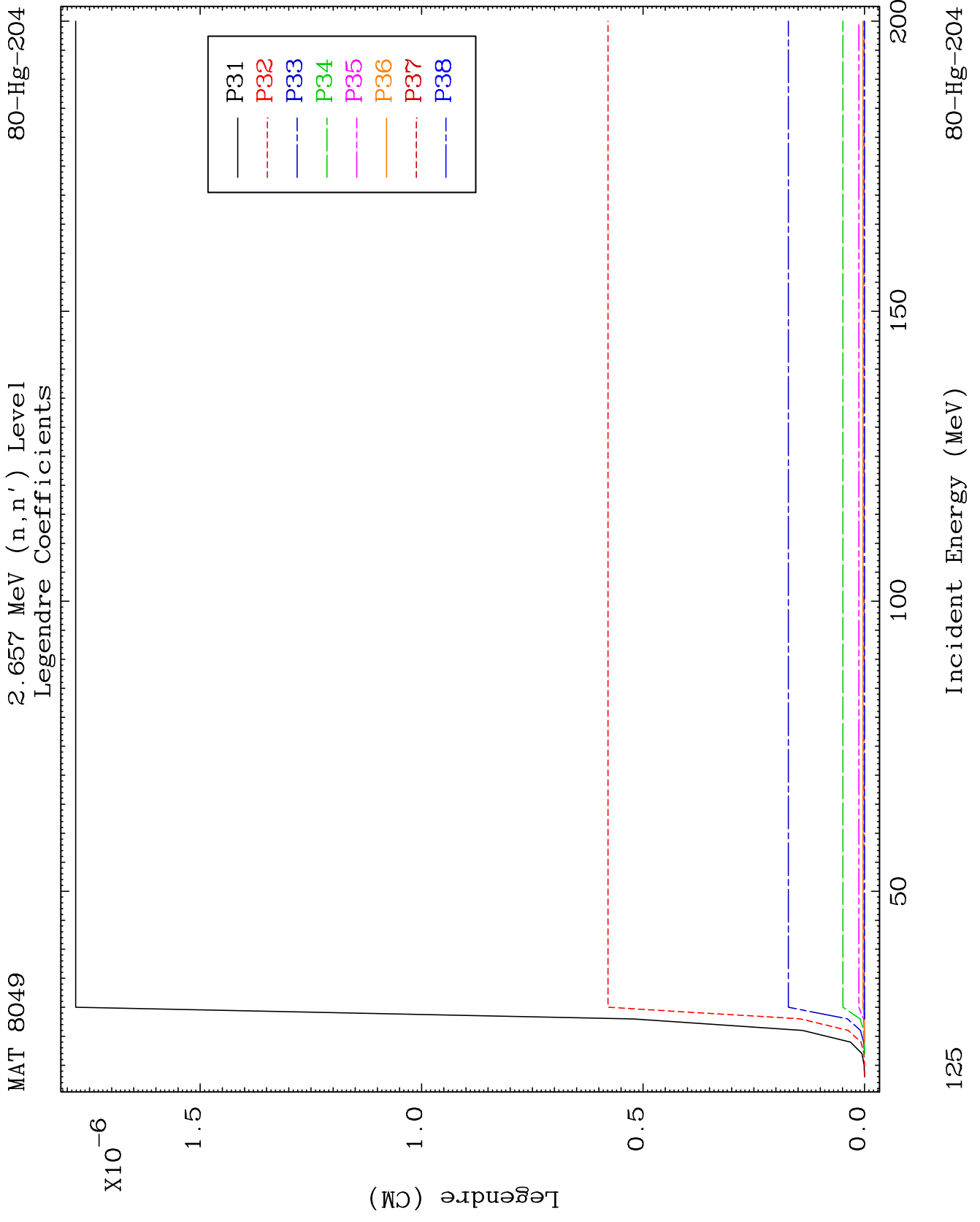
80-Hg-204

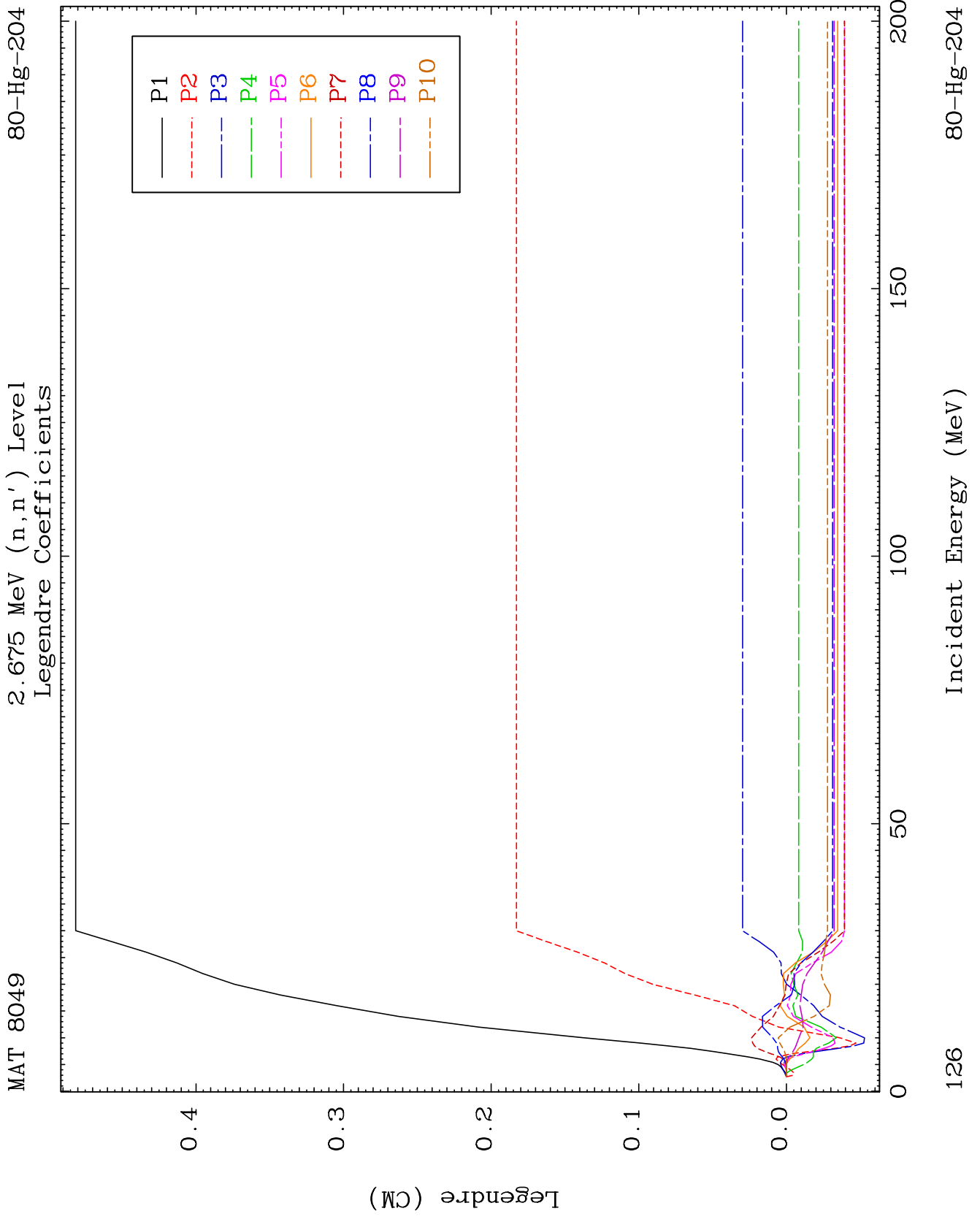


124

Incident Energy (MeV)

80-Hg-204

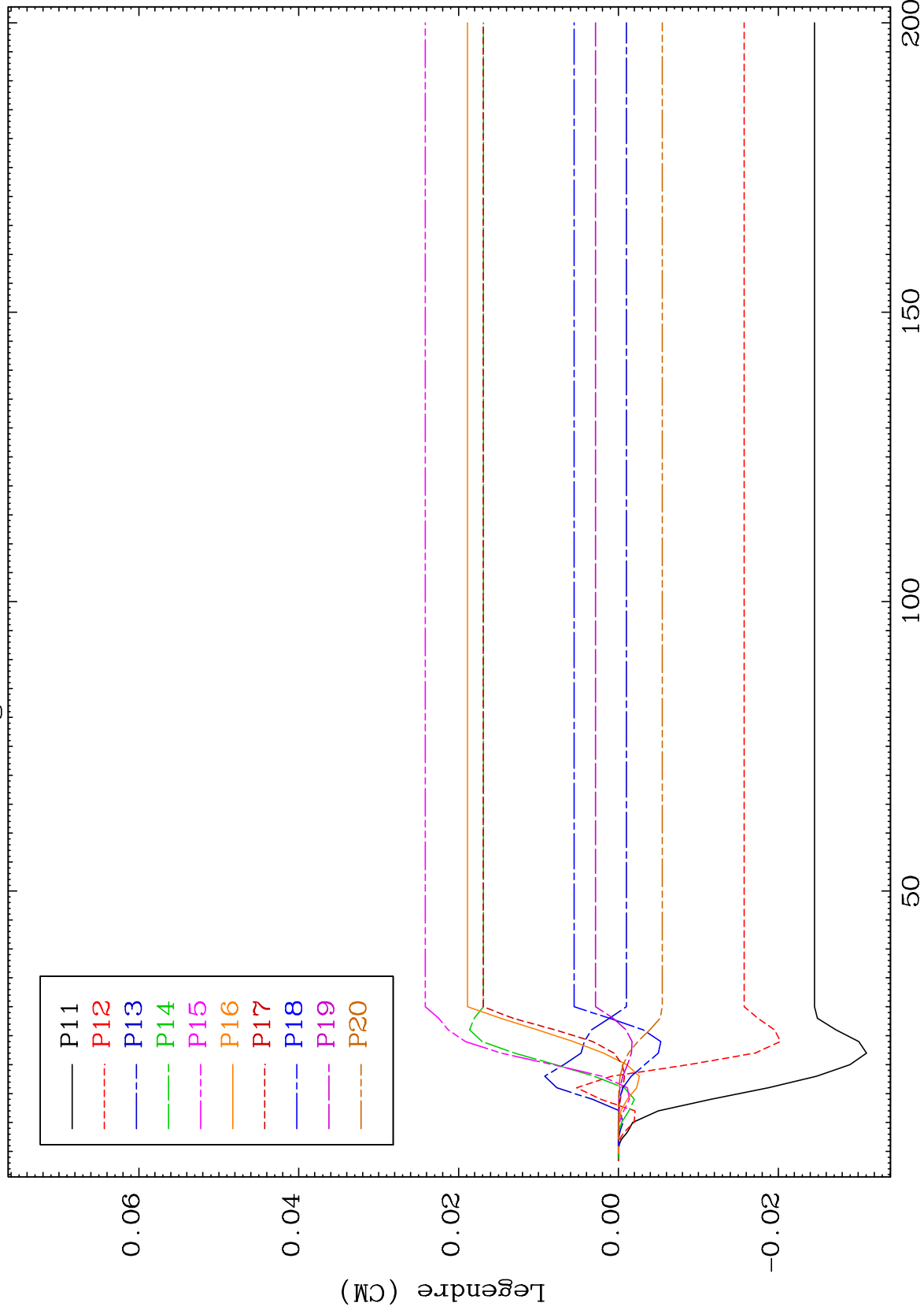




MAT 8049

2.675 MeV (n,n') Level
Legendre Coefficients

80-Hg-204



127

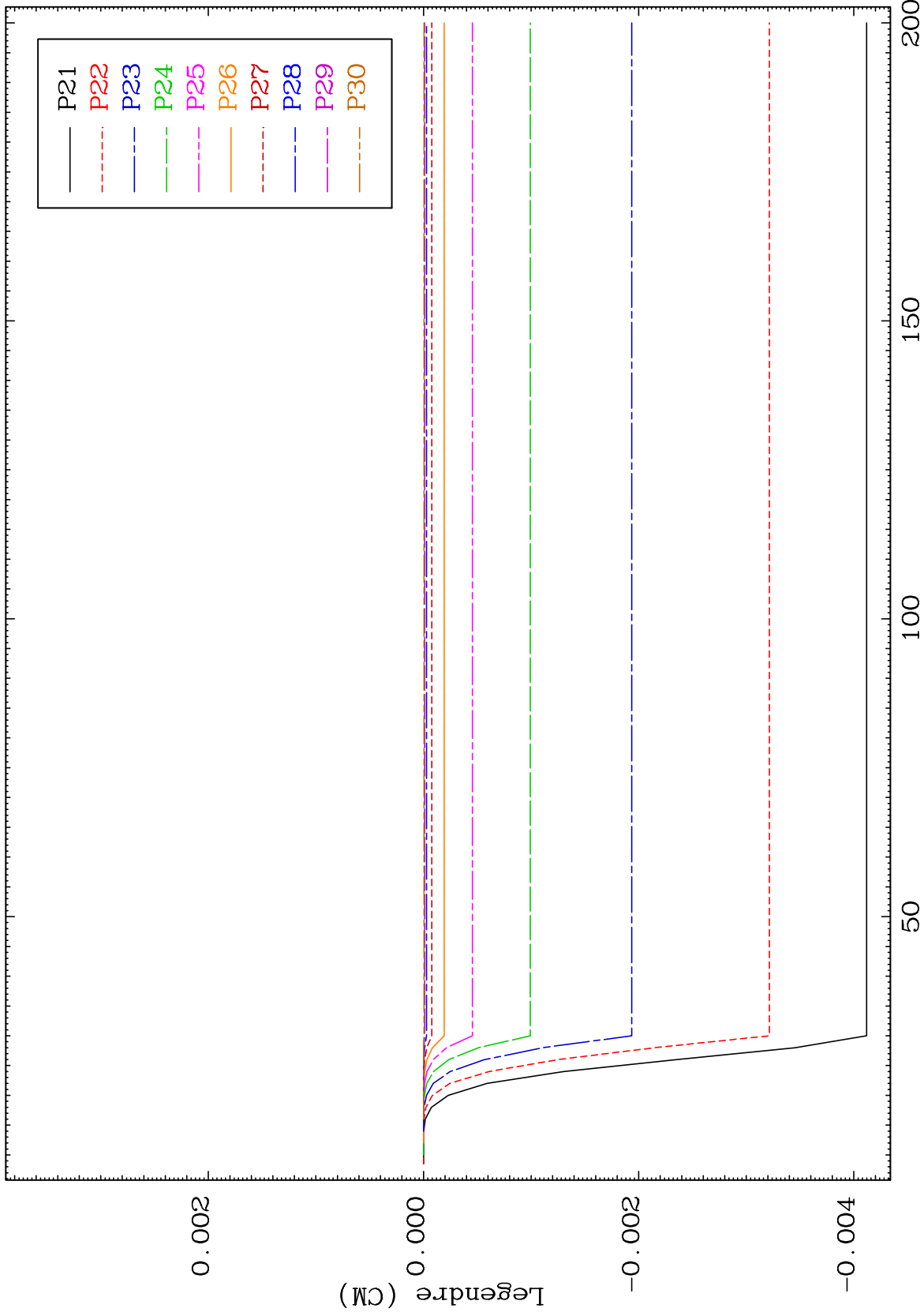
Incident Energy (MeV)

80-Hg-204

MAT 8049

2.675 MeV (n,n') Level
Legendre Coefficients

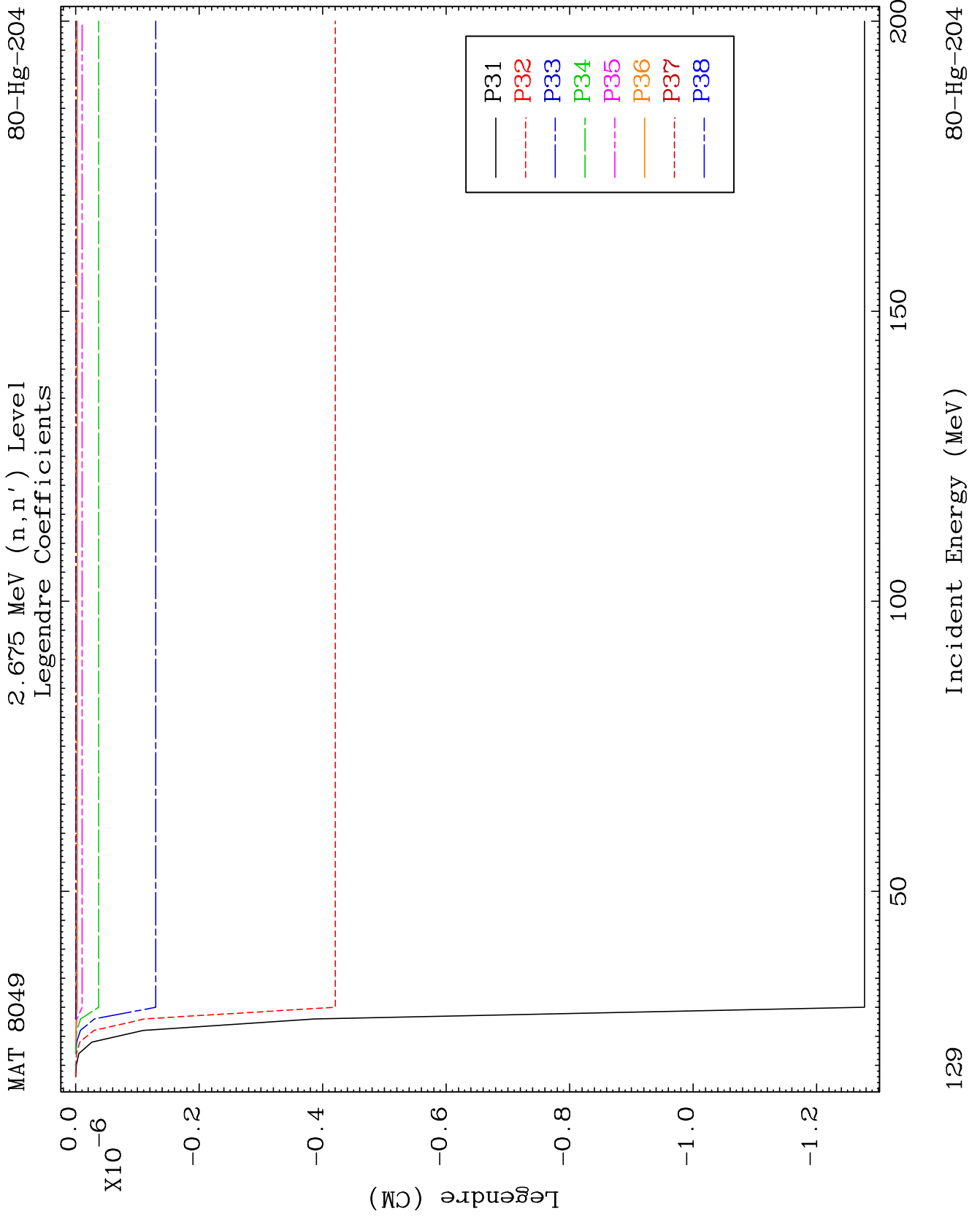
80-Hg-204



128

Incident Energy (MeV)

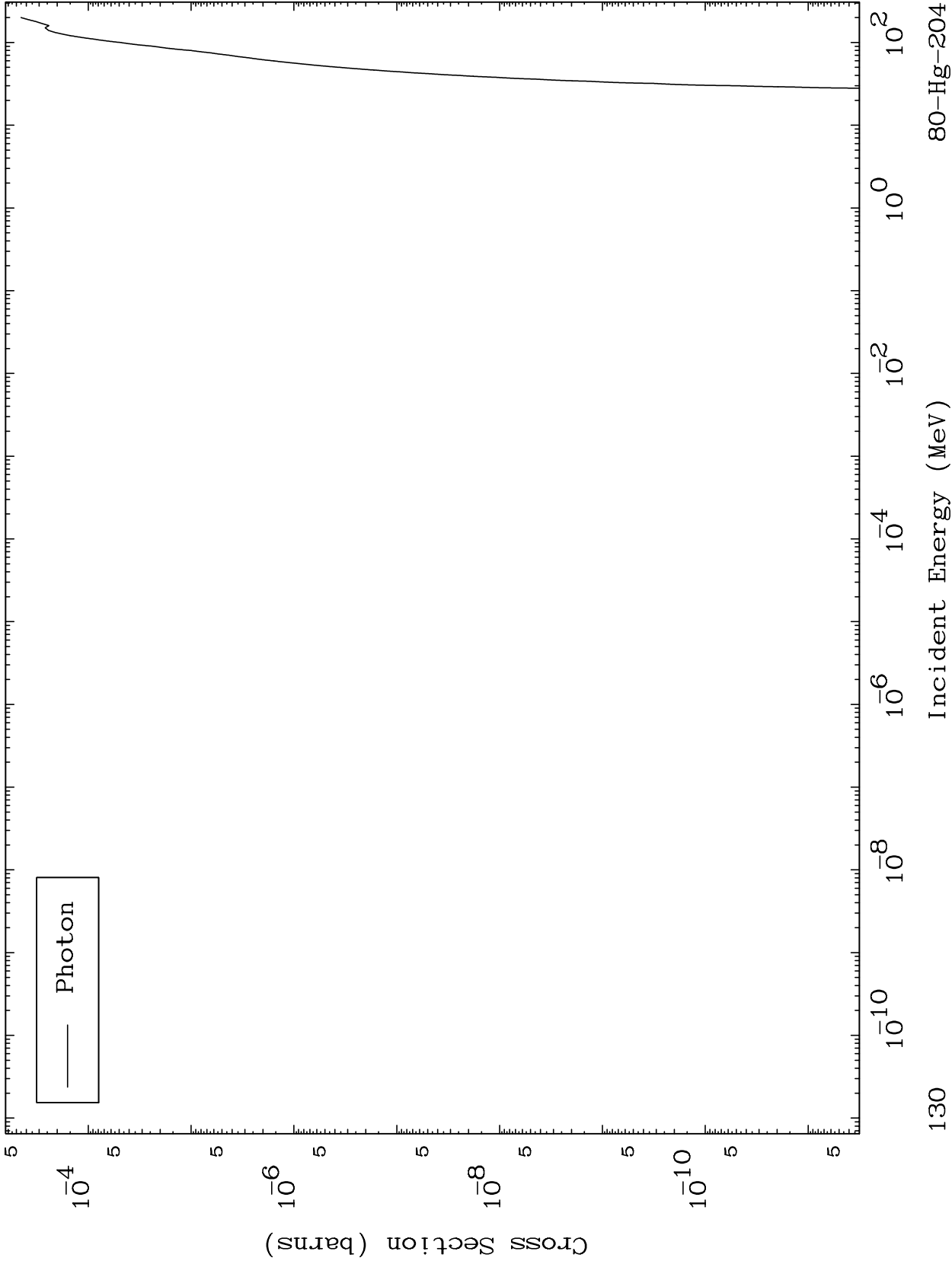
80-Hg-204



MAT 8049

Fission
Radionuclide Production Cross Section

80-Hg-204

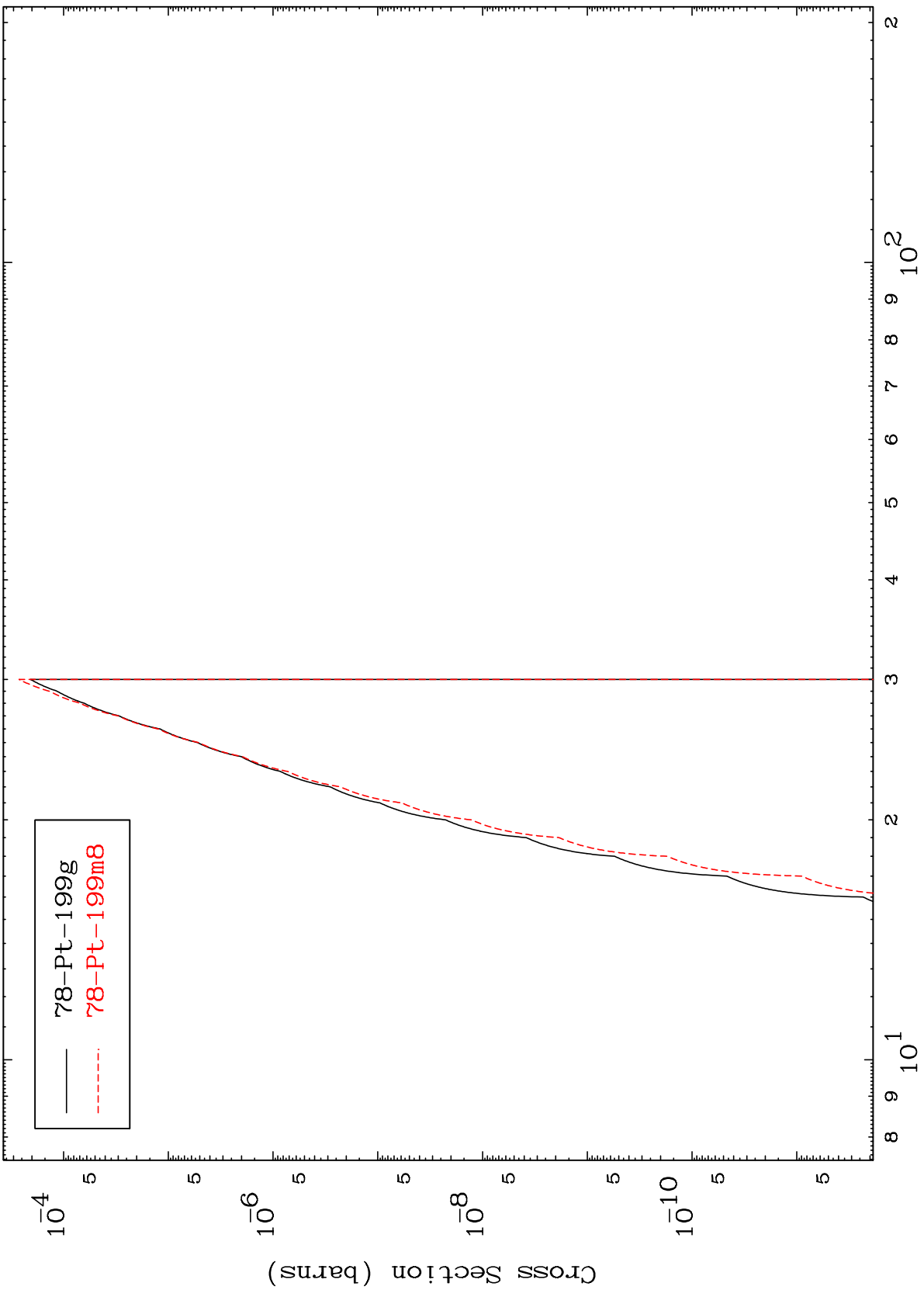


MAT 8049

$(n,2n) \alpha$

80-Hg-204

Radionuclide Production Cross Section



131

Incident Energy (MeV)

80-Hg-204