

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

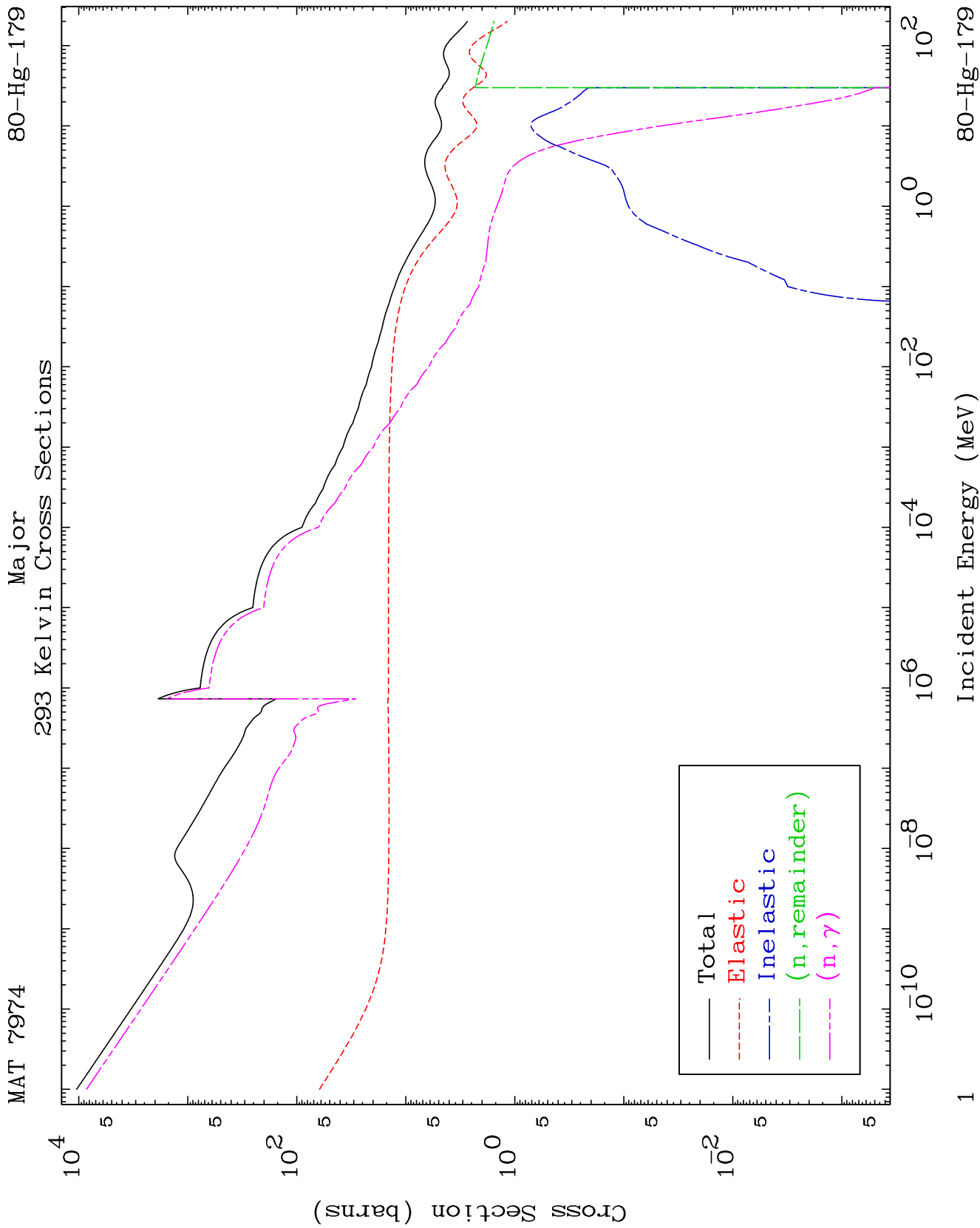
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Tele: 925-443-1911

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Web: redcullen1.net/HOMEPAGE.NEW

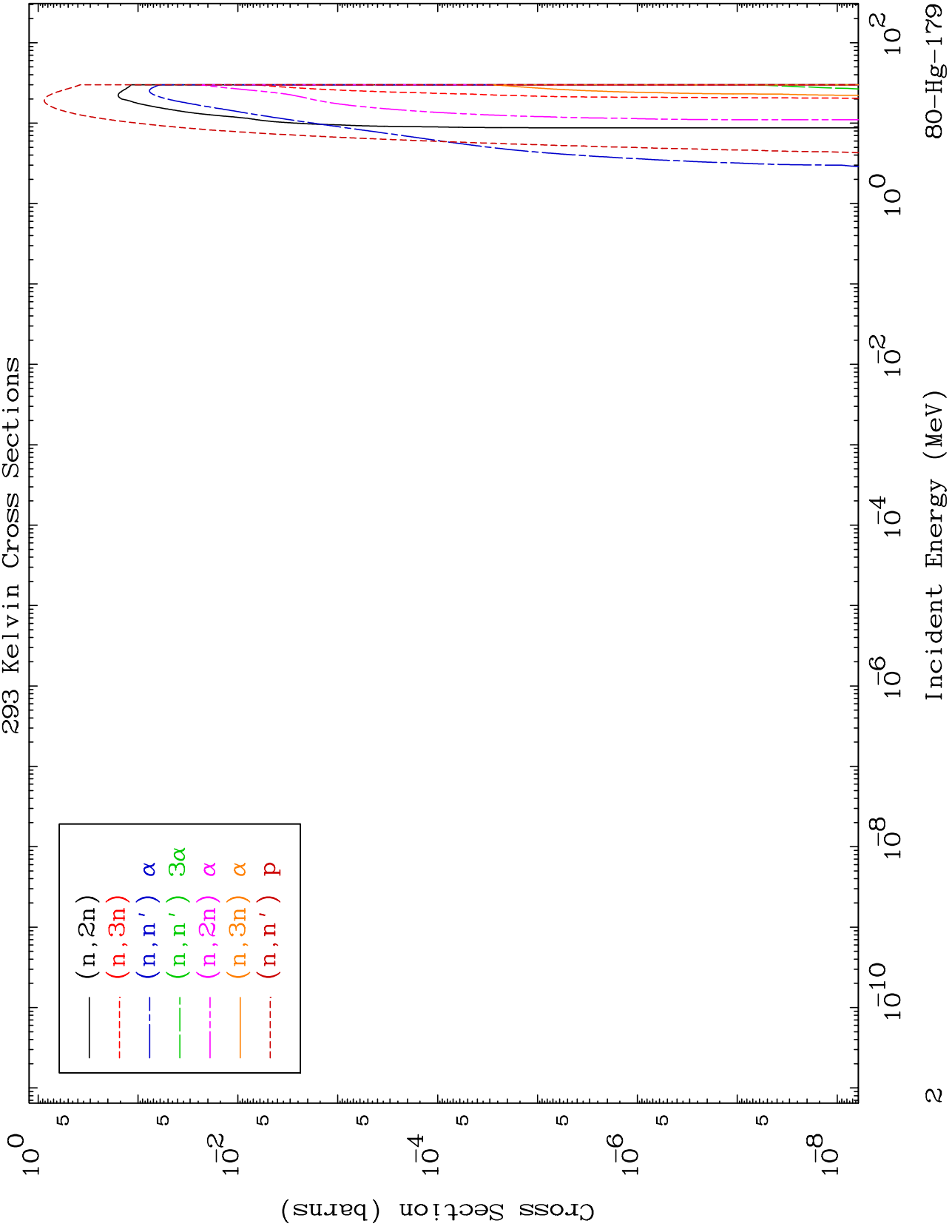
Press Mouse Button to Start



MAT 7974

Neutron Production
293 Kelvin Cross Sections

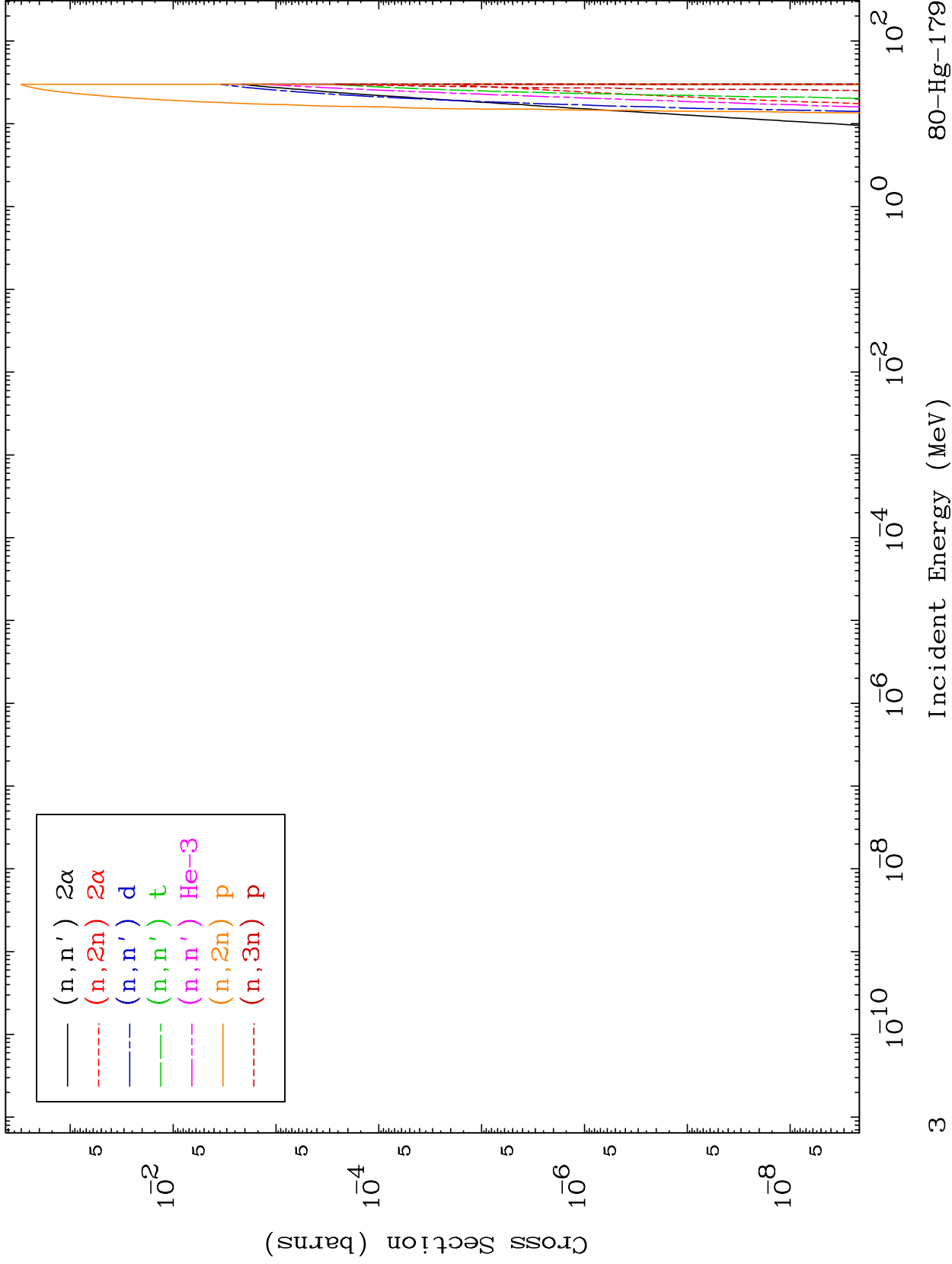
80-Hg-179



MAT 7974

Neutron Production
293 Kelvin Cross Sections

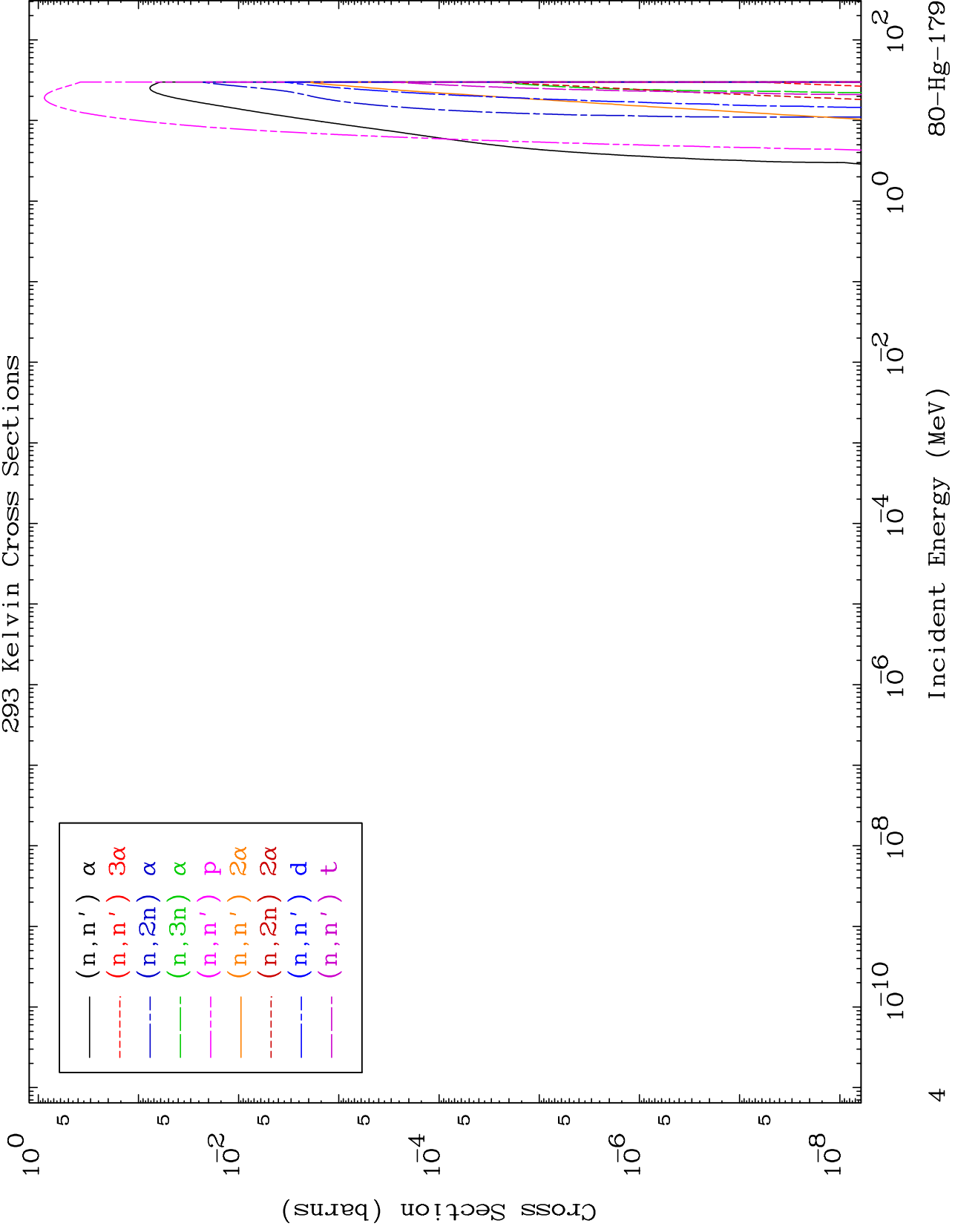
80-Hg-179



MAT 7974

Charged Particle
293 Kelvin Cross Sections

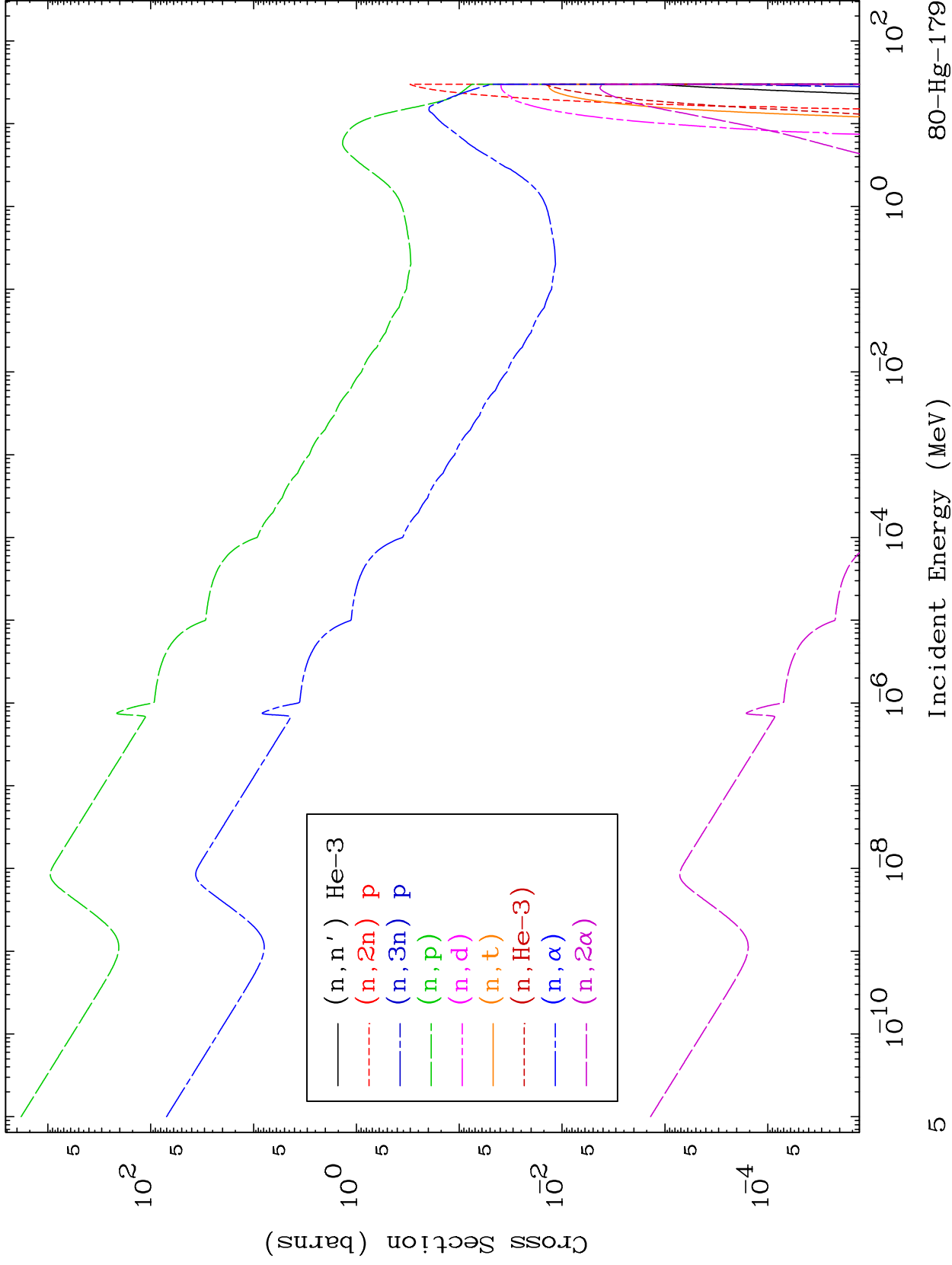
80-Hg-179



MAT 7974

Charged Particle
293 Kelvin Cross Sections

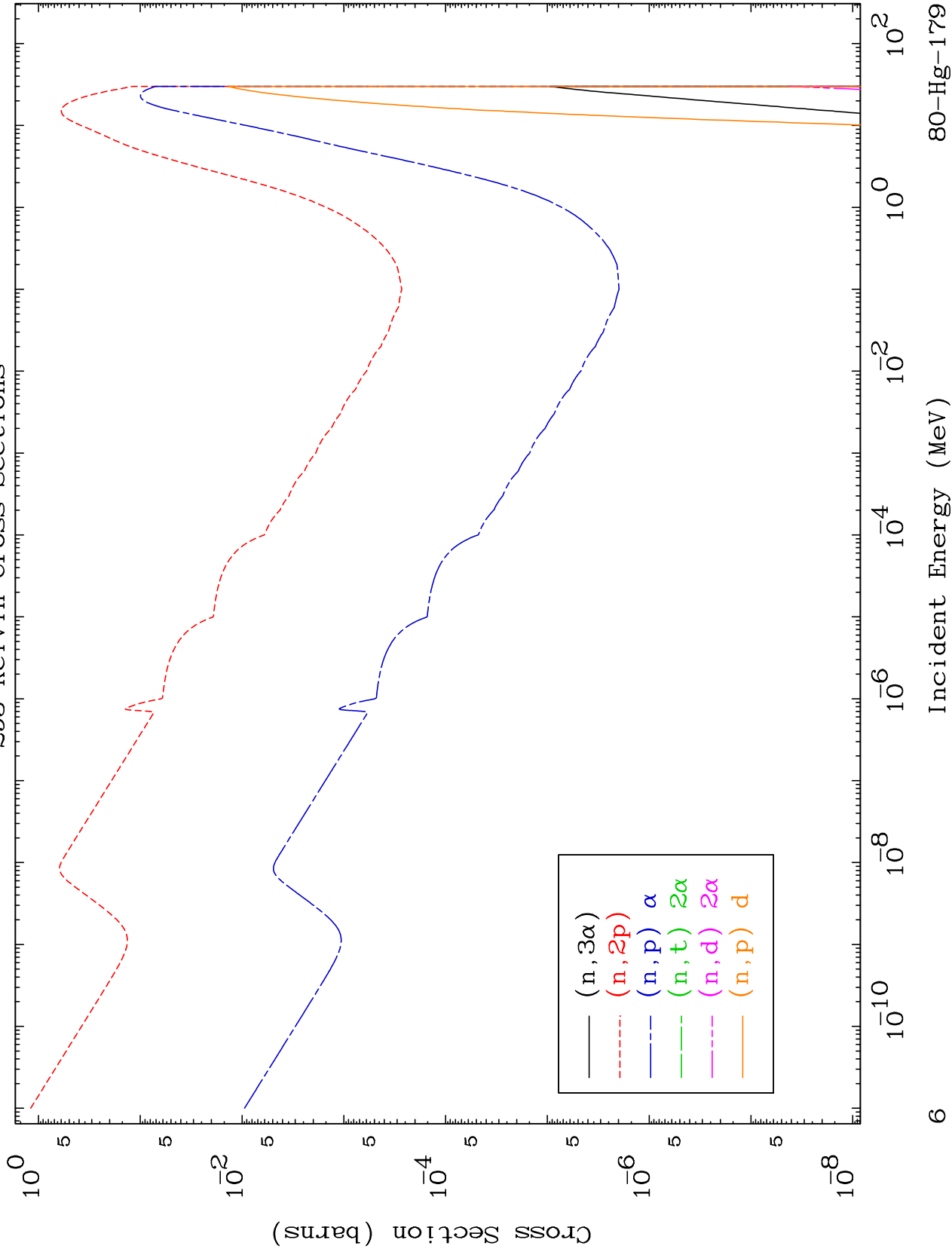
80-Hg-179



MAT 7974

Charged Particle
293 Kelvin Cross Sections

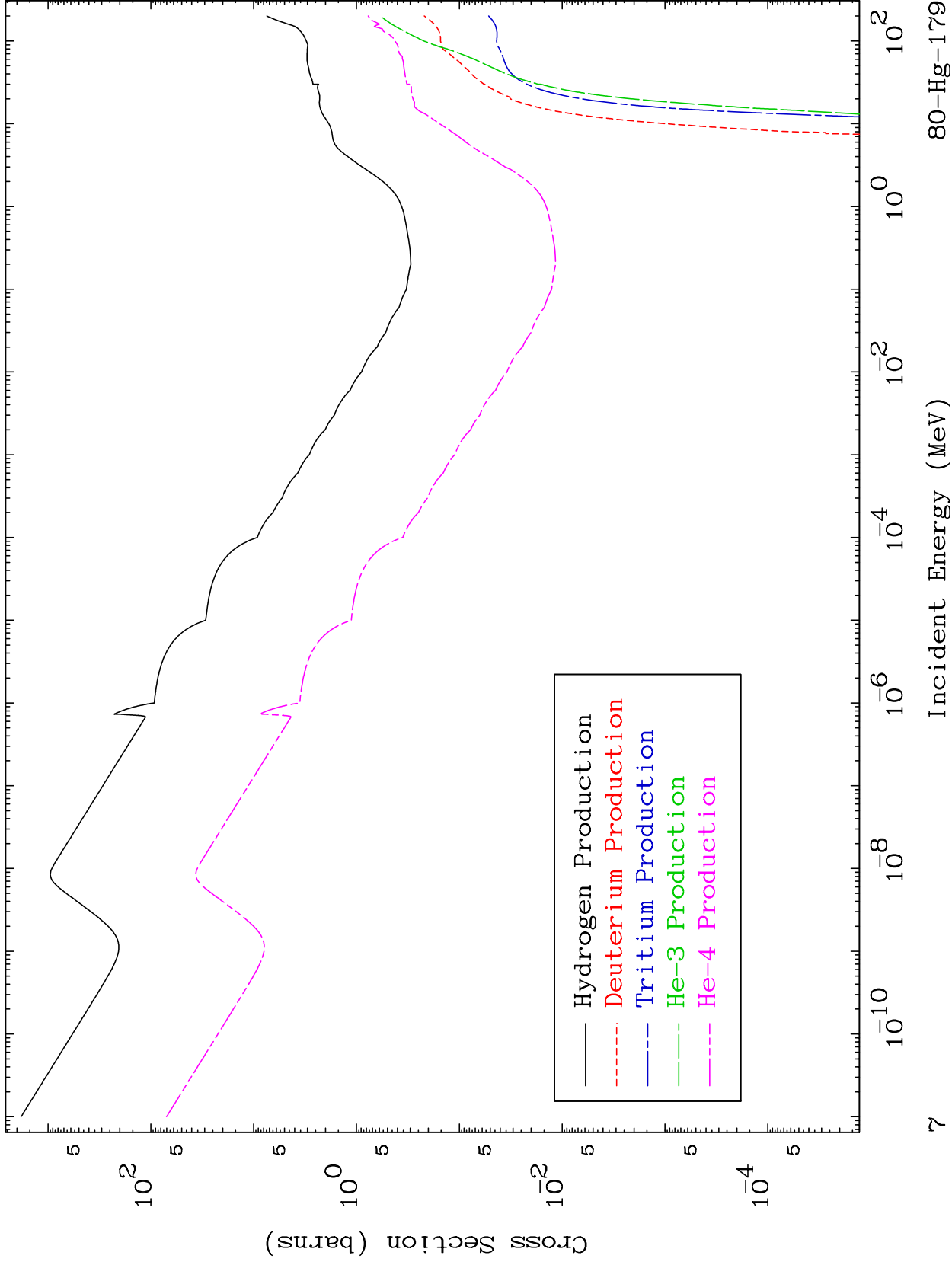
80-Hg-179



MAT 7974

Particle Production
293 Kelvin Cross Sections

80-Hg-179

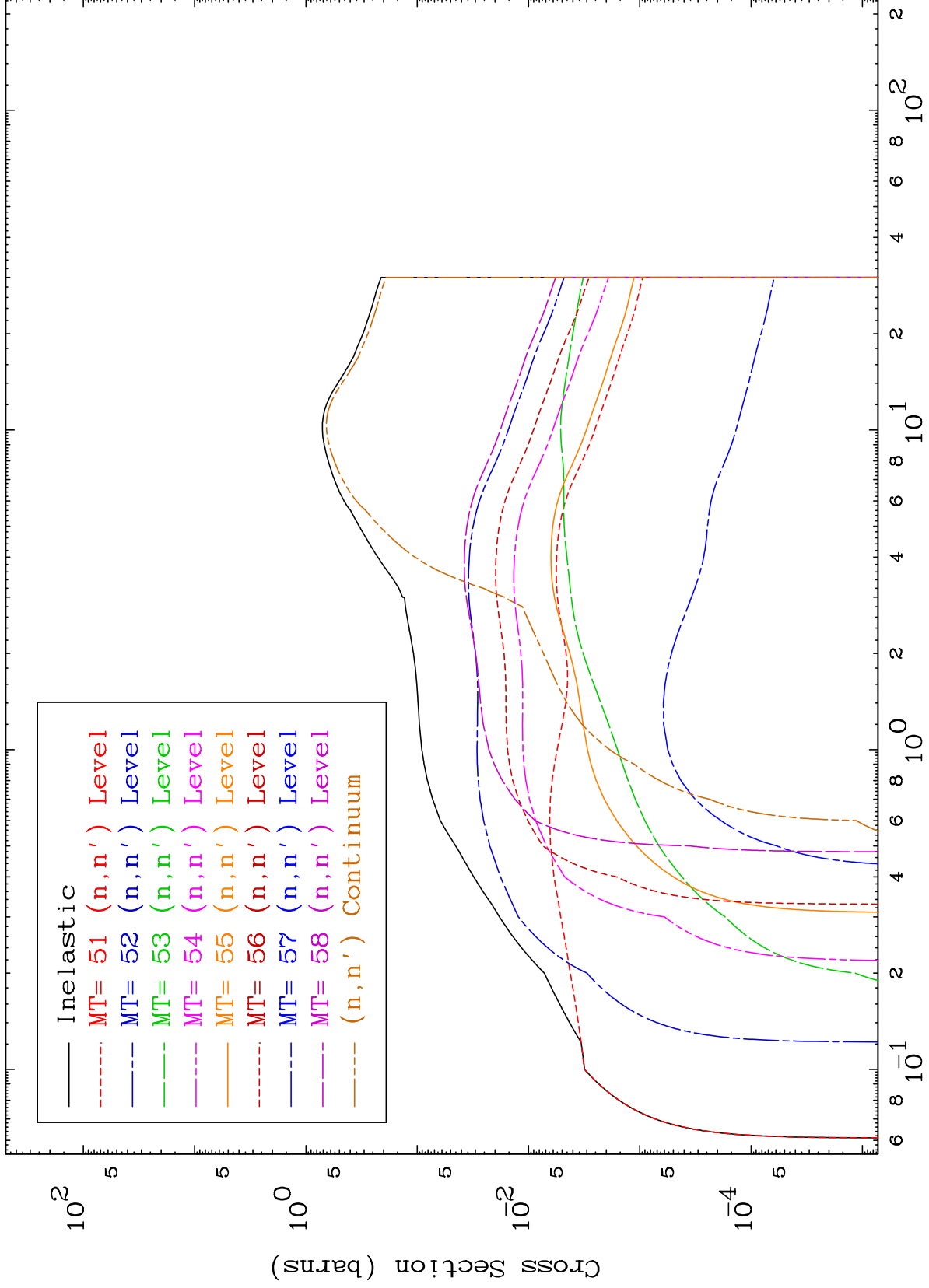


MAT 7974

(n,n') Level

80-Hg-179

293 Kelvin Cross Sections



8

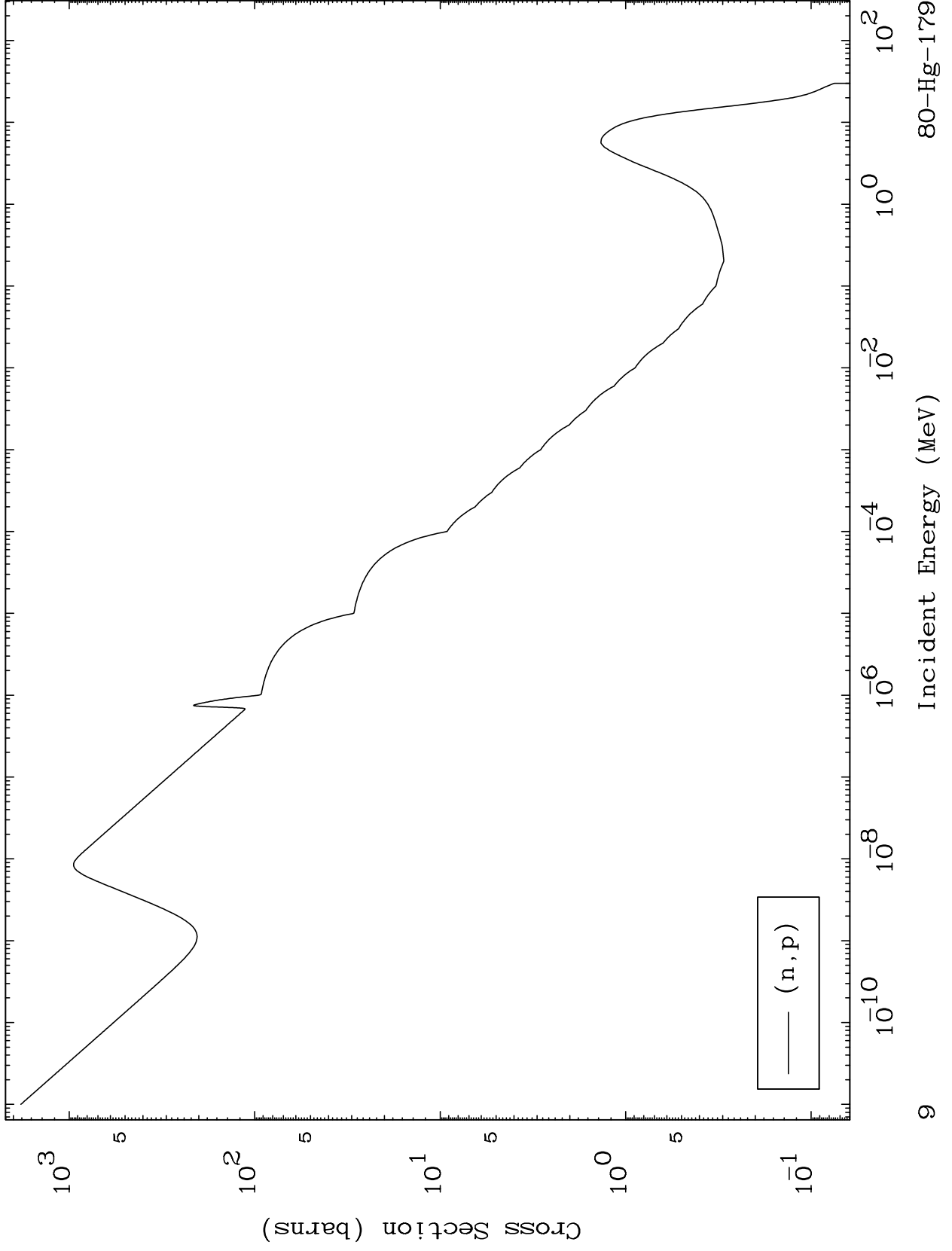
Incident Energy (MeV)

80-Hg-179

MAT 7974

(n,p) Levels
293 Kelvin Cross Sections

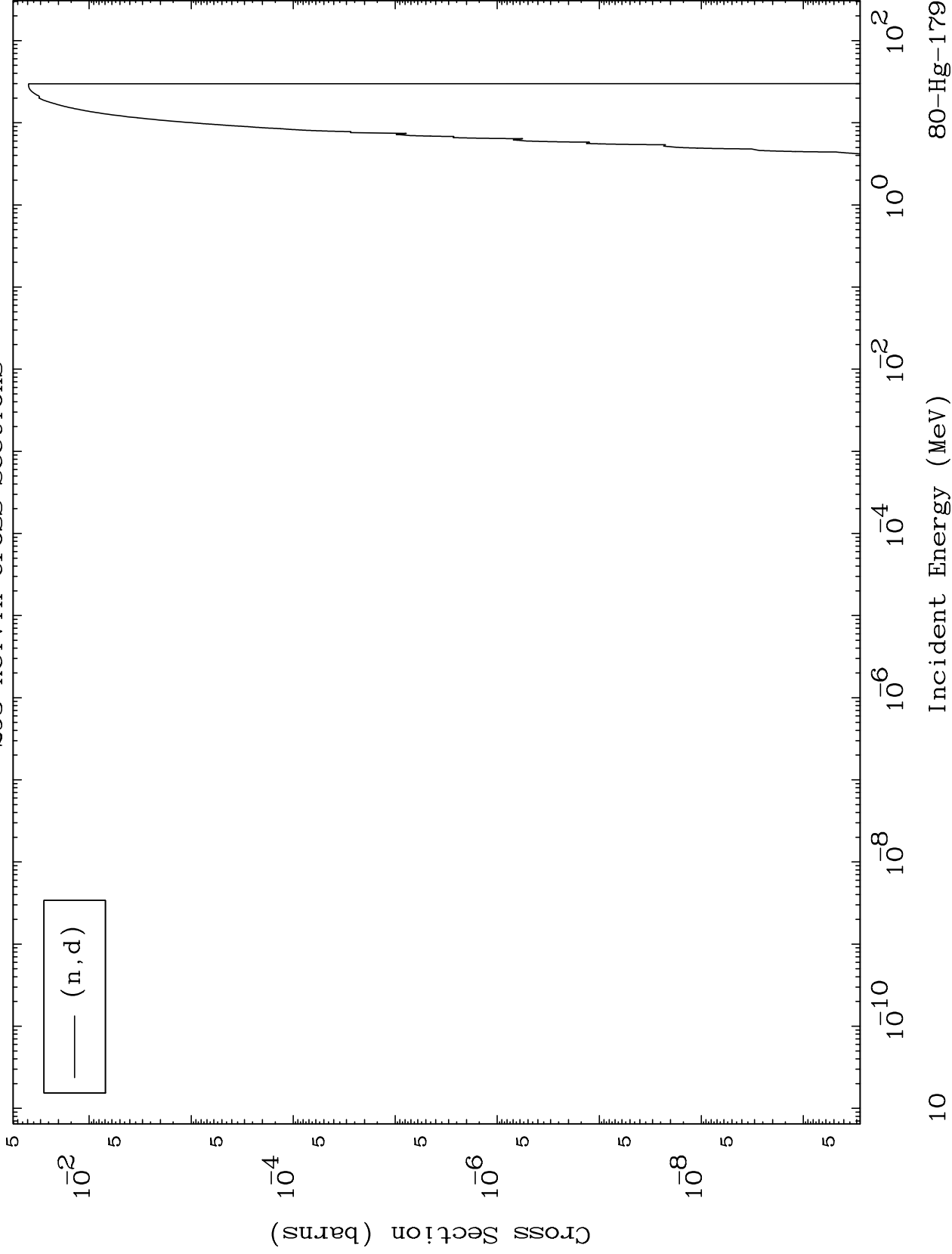
80-Hg-179



MAT 7974

(n,d) Levels
293 Kelvin Cross Sections

80-Hg-179



10

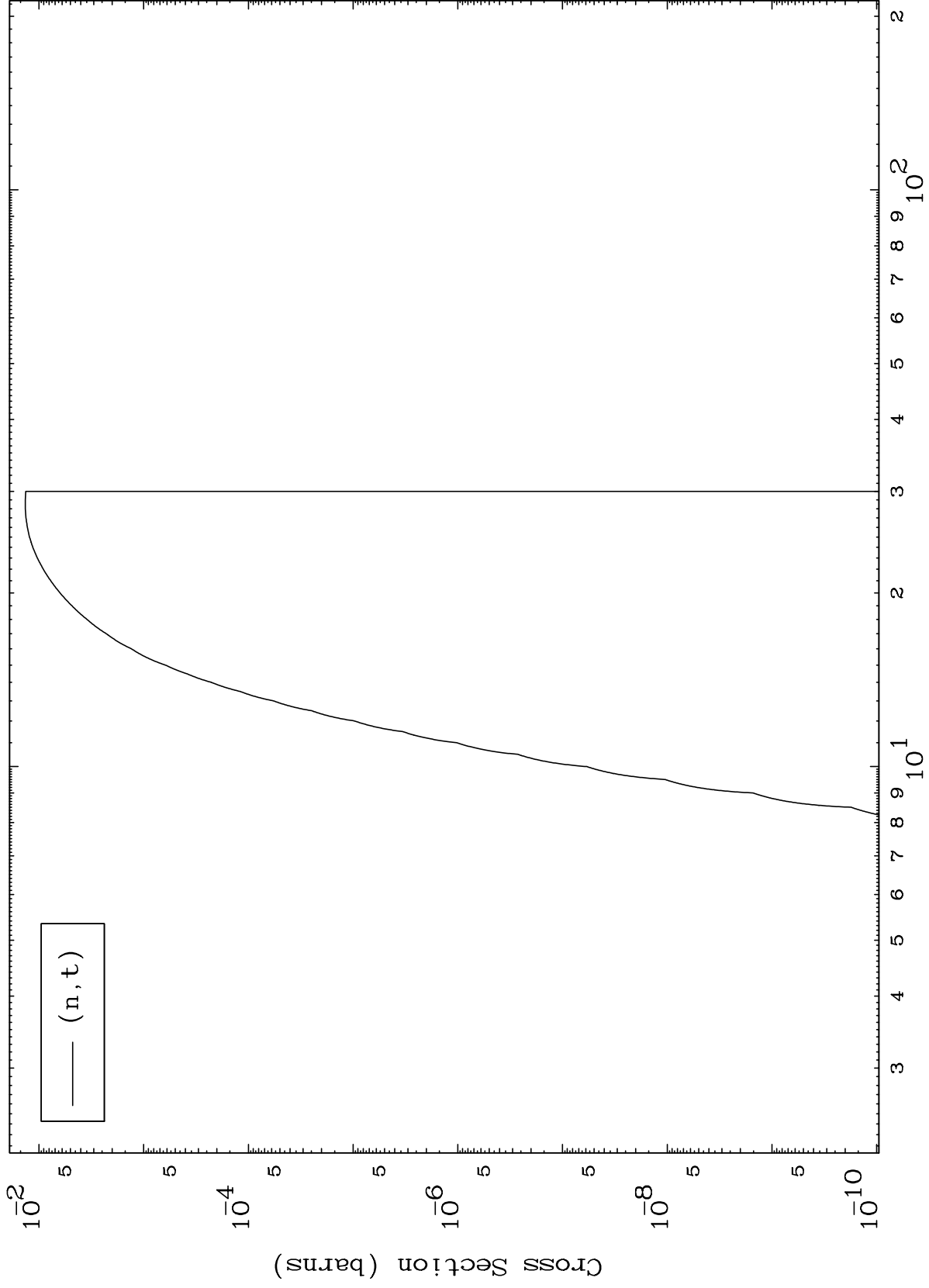
Incident Energy (MeV)

80-Hg-179

MAT 7974

(n,t) Levels
293 Kelvin Cross Sections

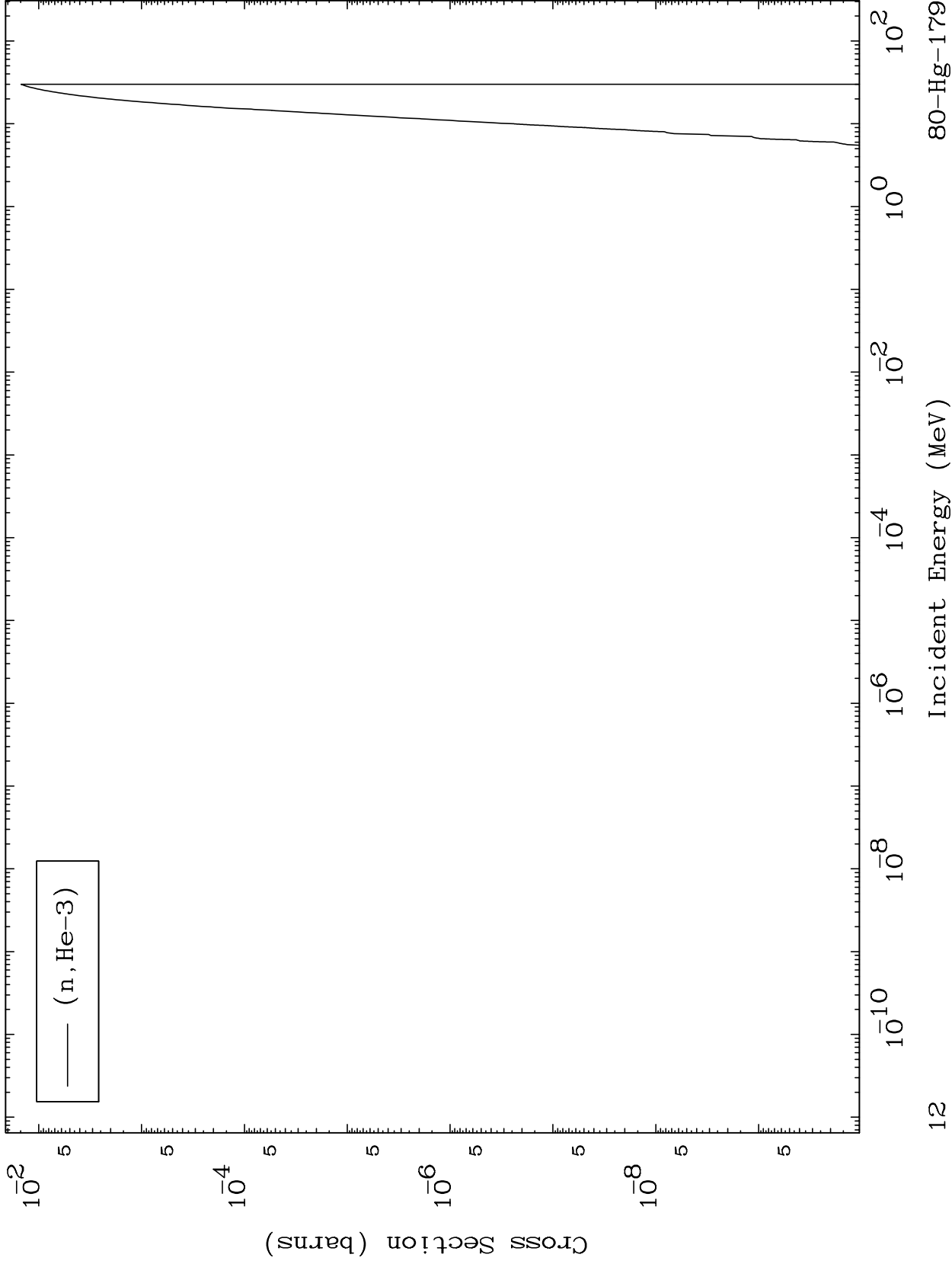
80-Hg-179



MAT 7974

(n,He3) Levels
293 Kelvin Cross Sections

80-Hg-179

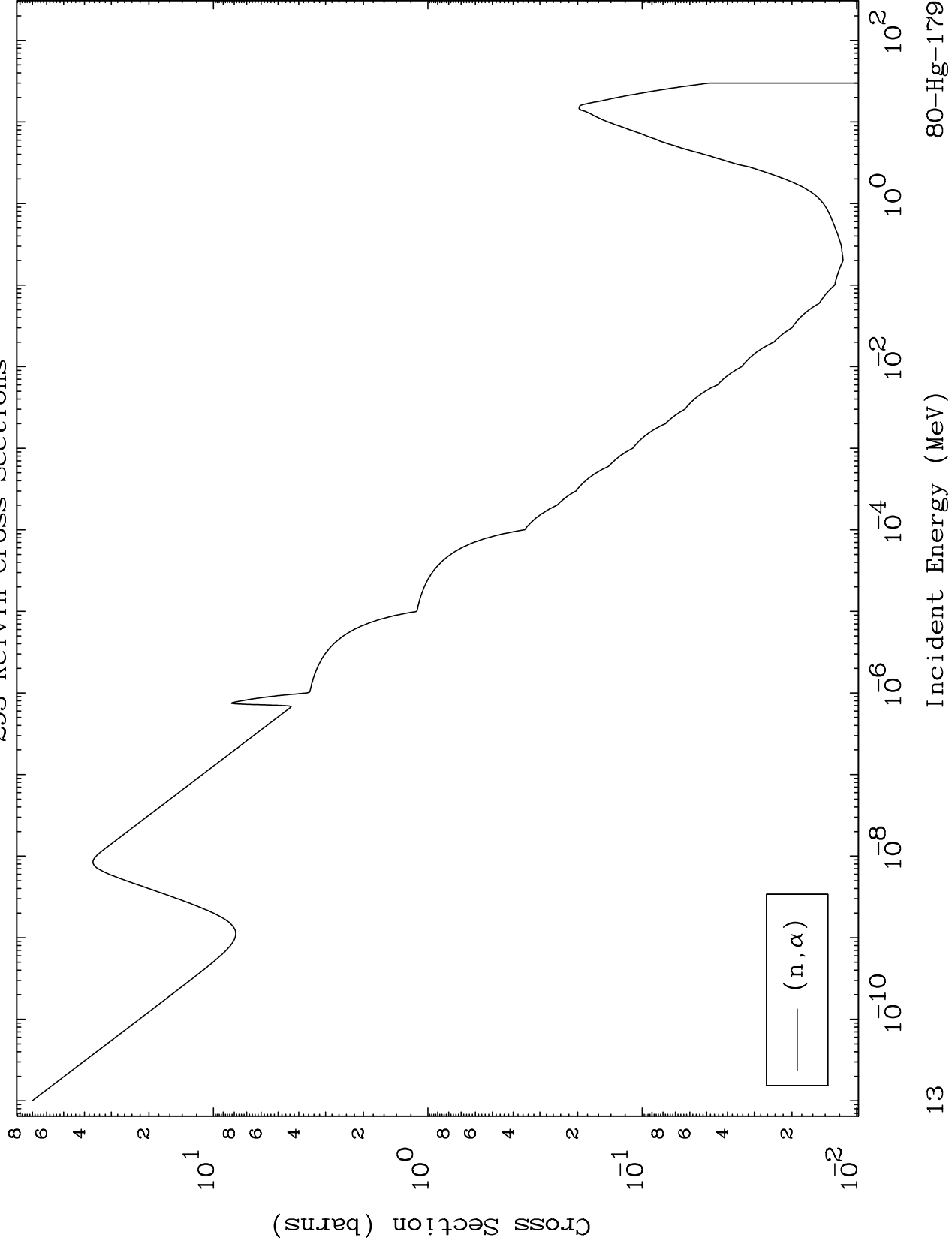


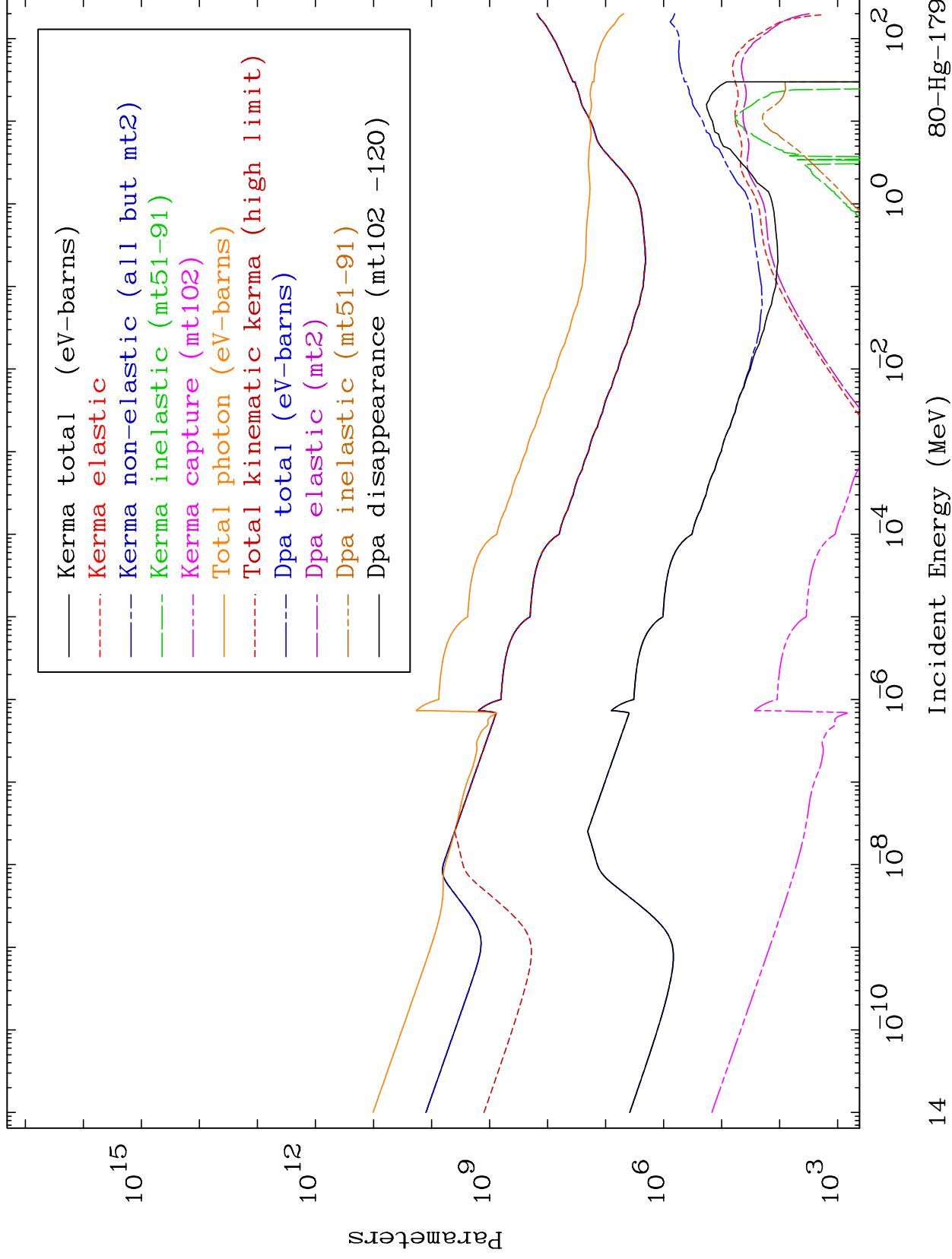
(n, He-3)

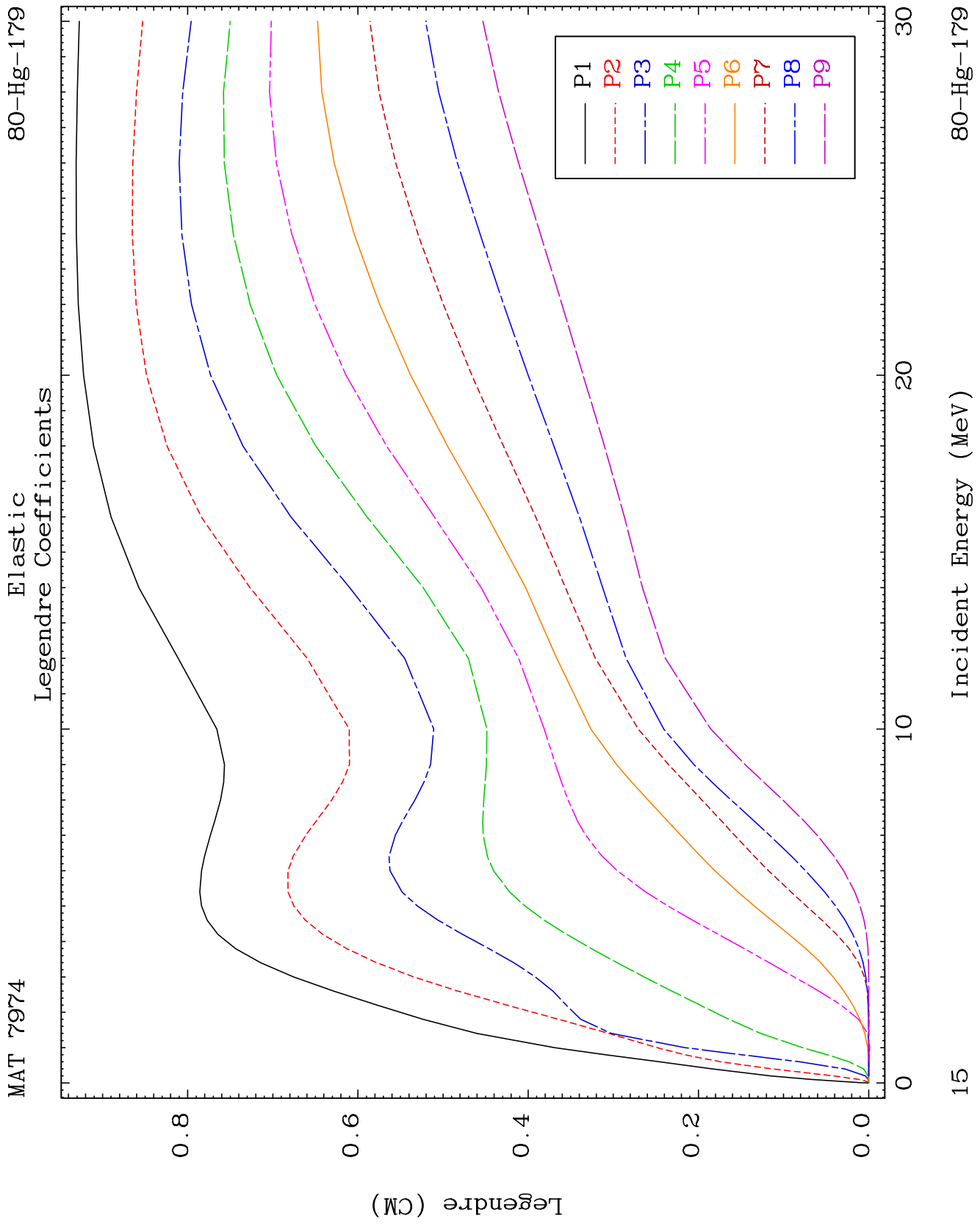
MAT 7974

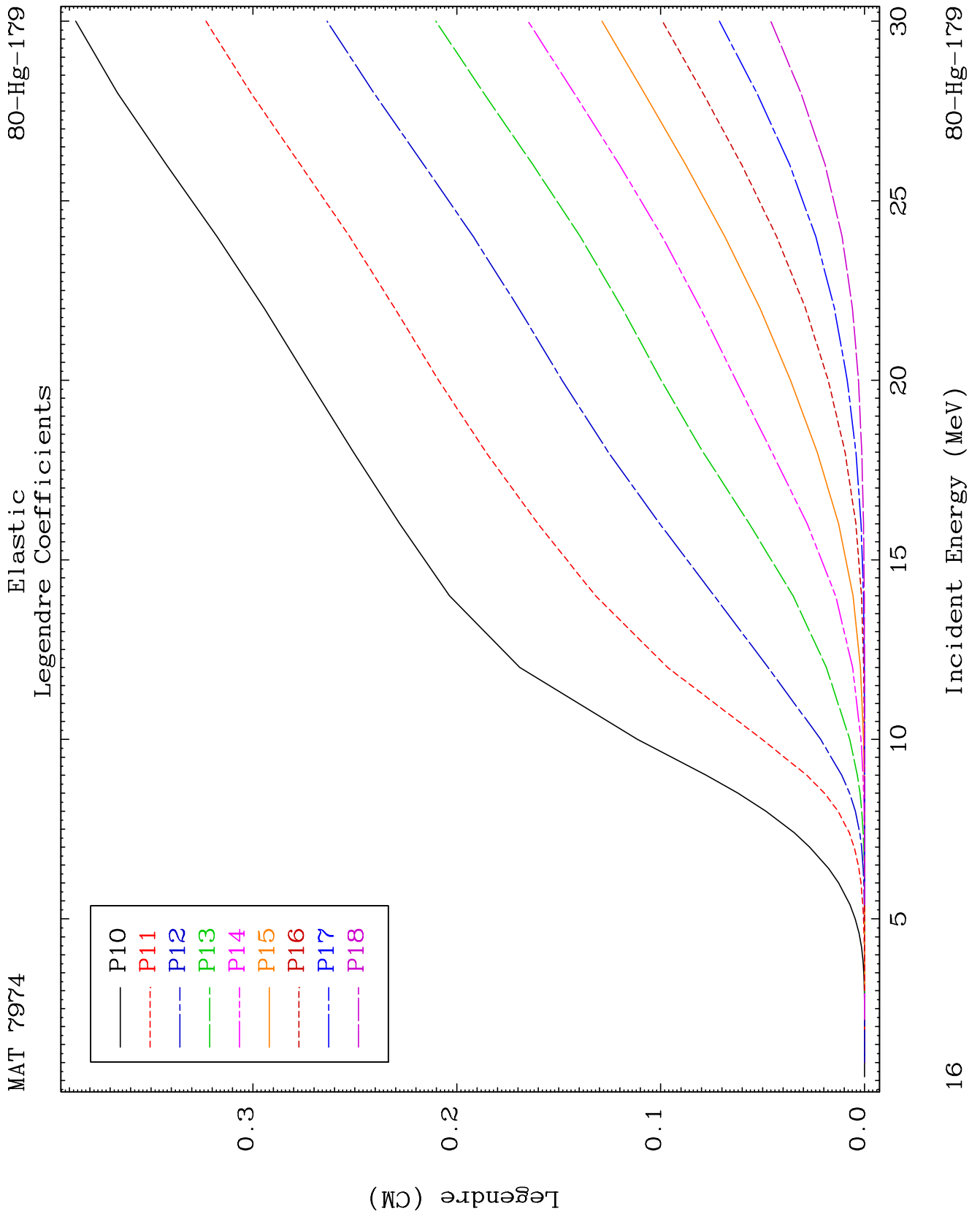
(n, α) Levels
293 Kelvin Cross Sections

80-Hg-179





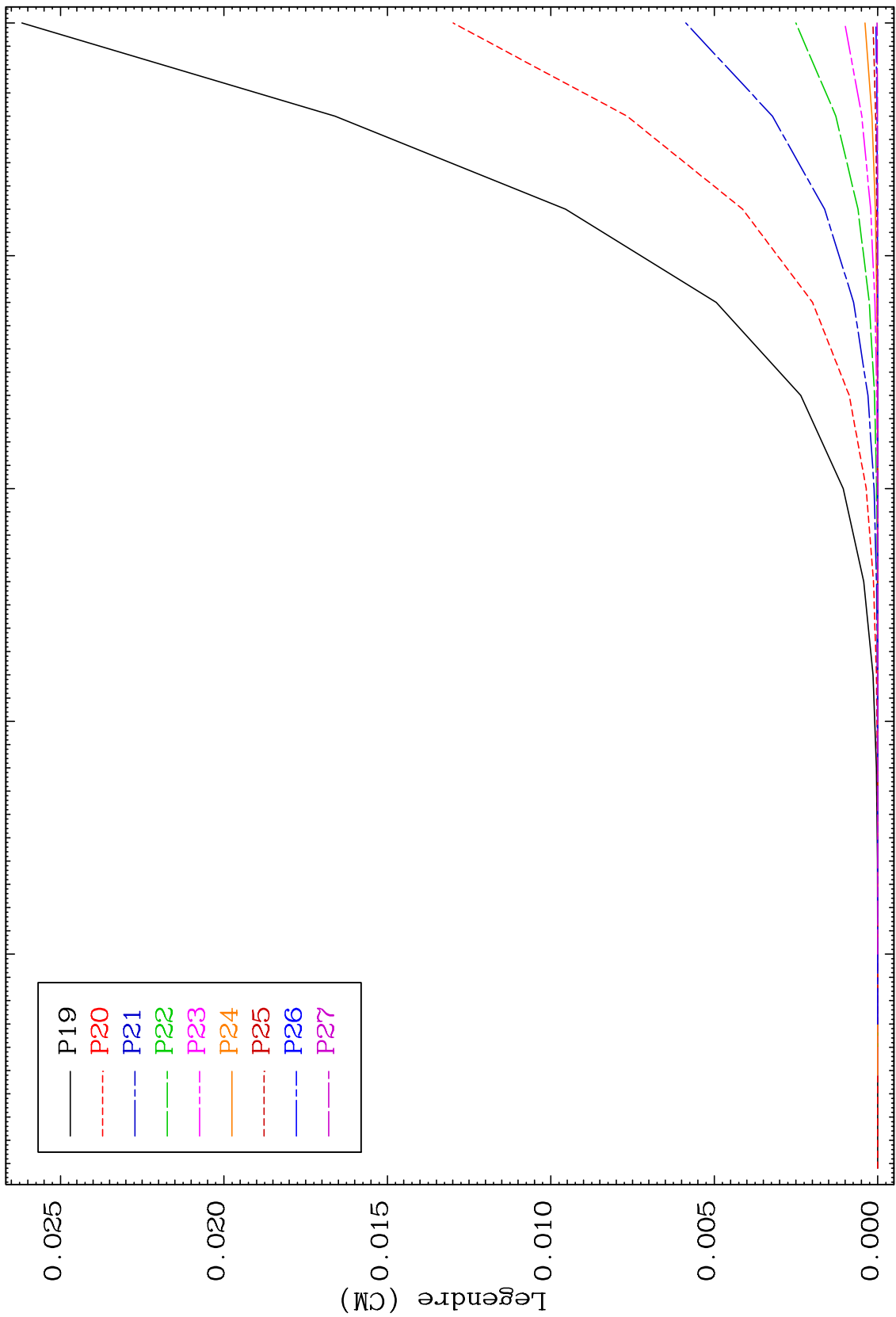




MAT 7974

Elastic Legendre Coefficients

80-Hg-179



17

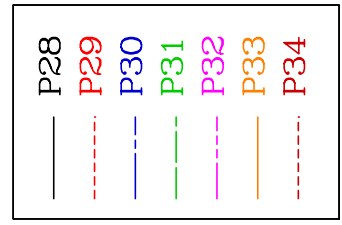
Incident Energy (MeV)

80-Hg-179

MAT 7974

Elastic Legendre Coefficients

80-Hg-179



$\times 10^{-6}$

Legendre (CM)

4

2

0

15

20

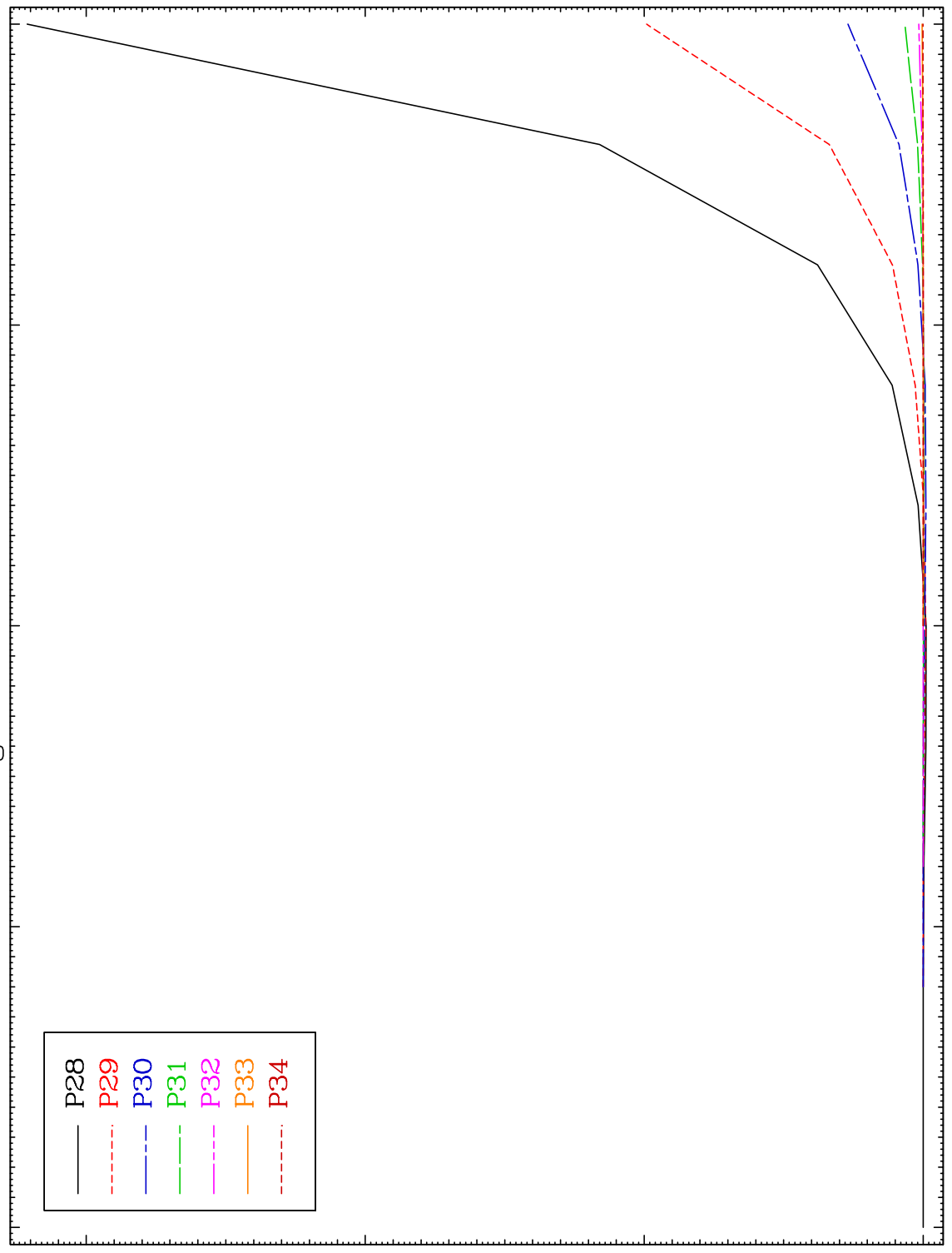
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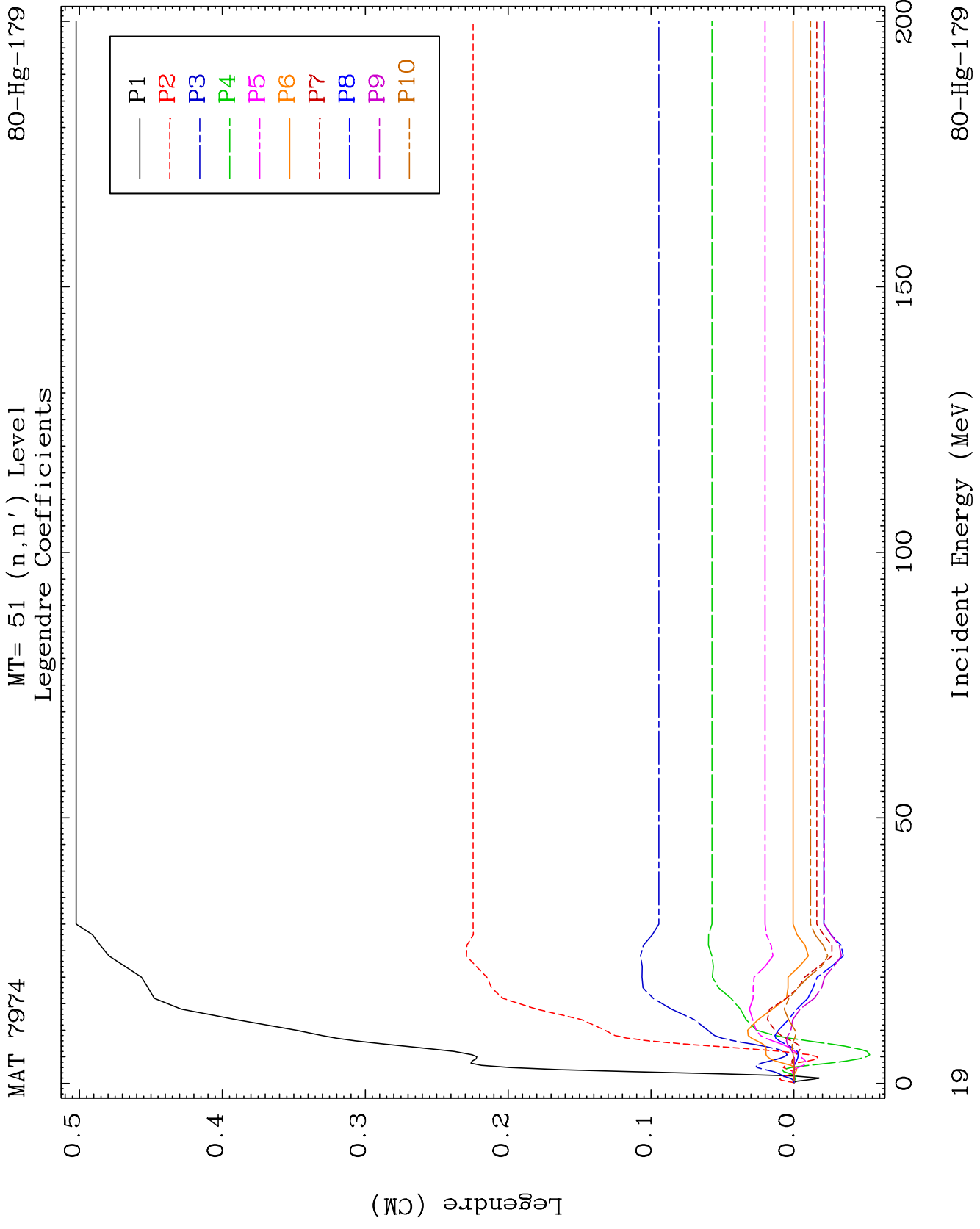
30

18

Incident Energy (MeV)

80-Hg-179

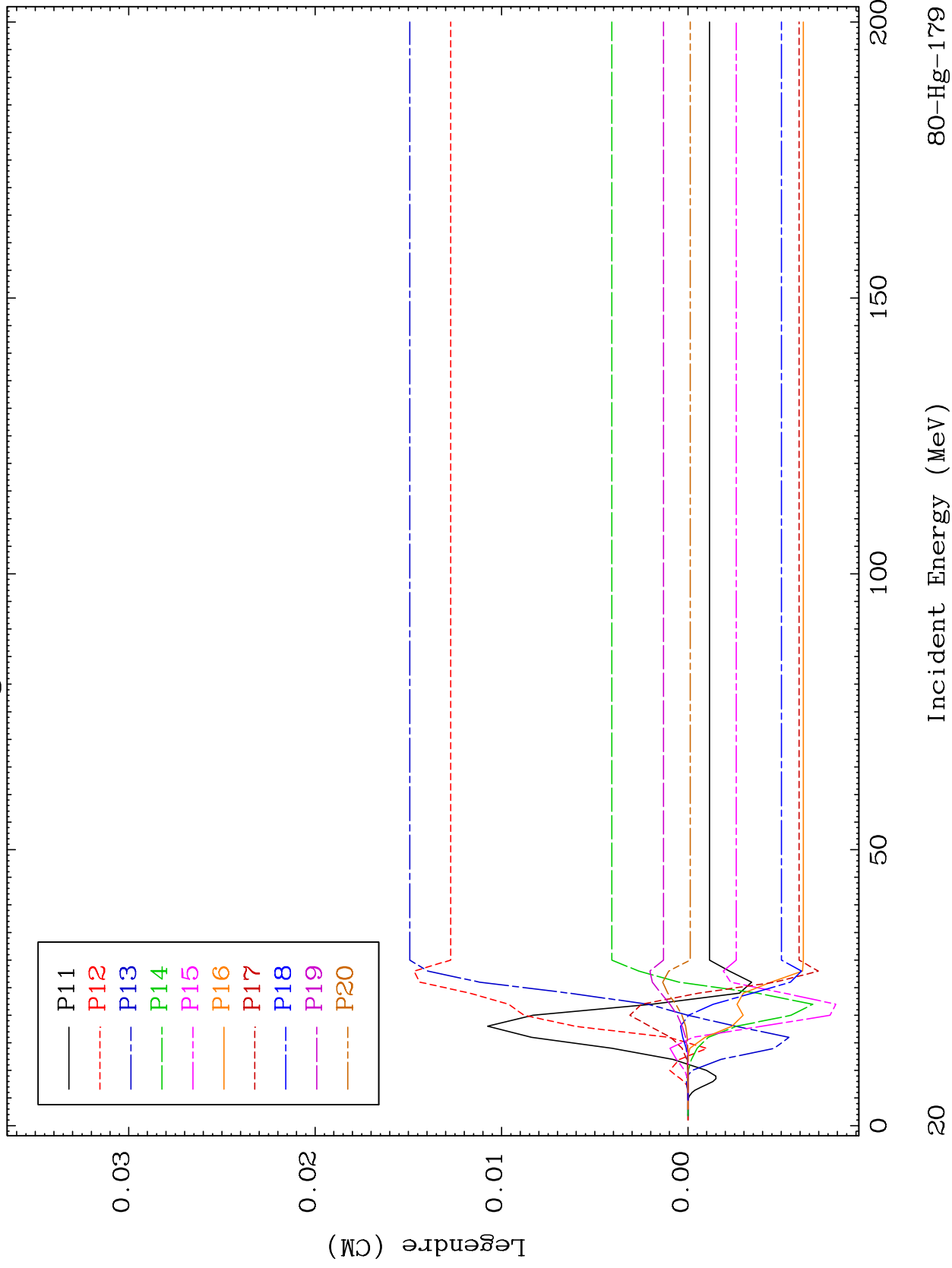




MAT 7974

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

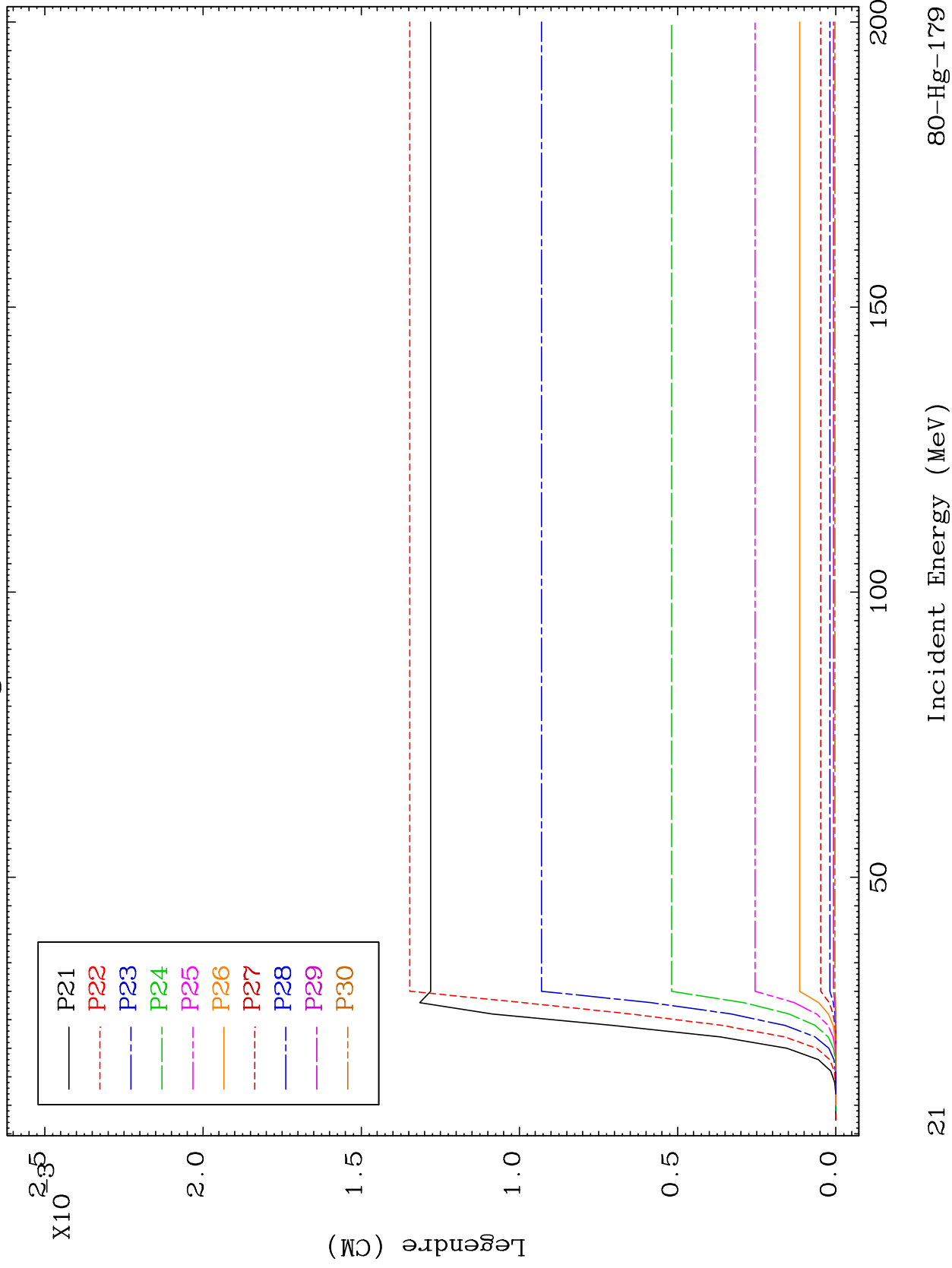
80-Hg-179



MAT 7974

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

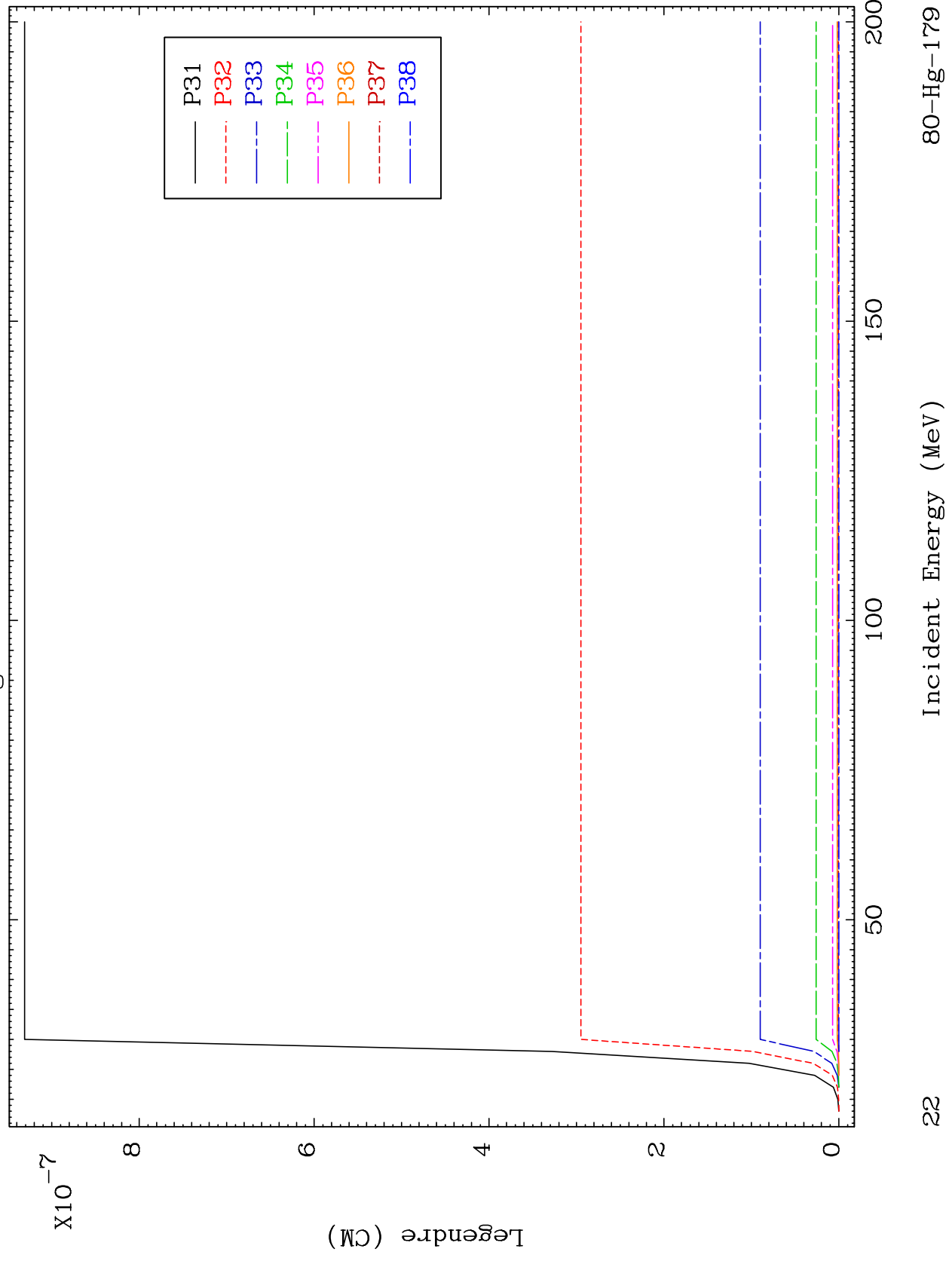
80-Hg-179



MAT 7974

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

80-Hg-179



22

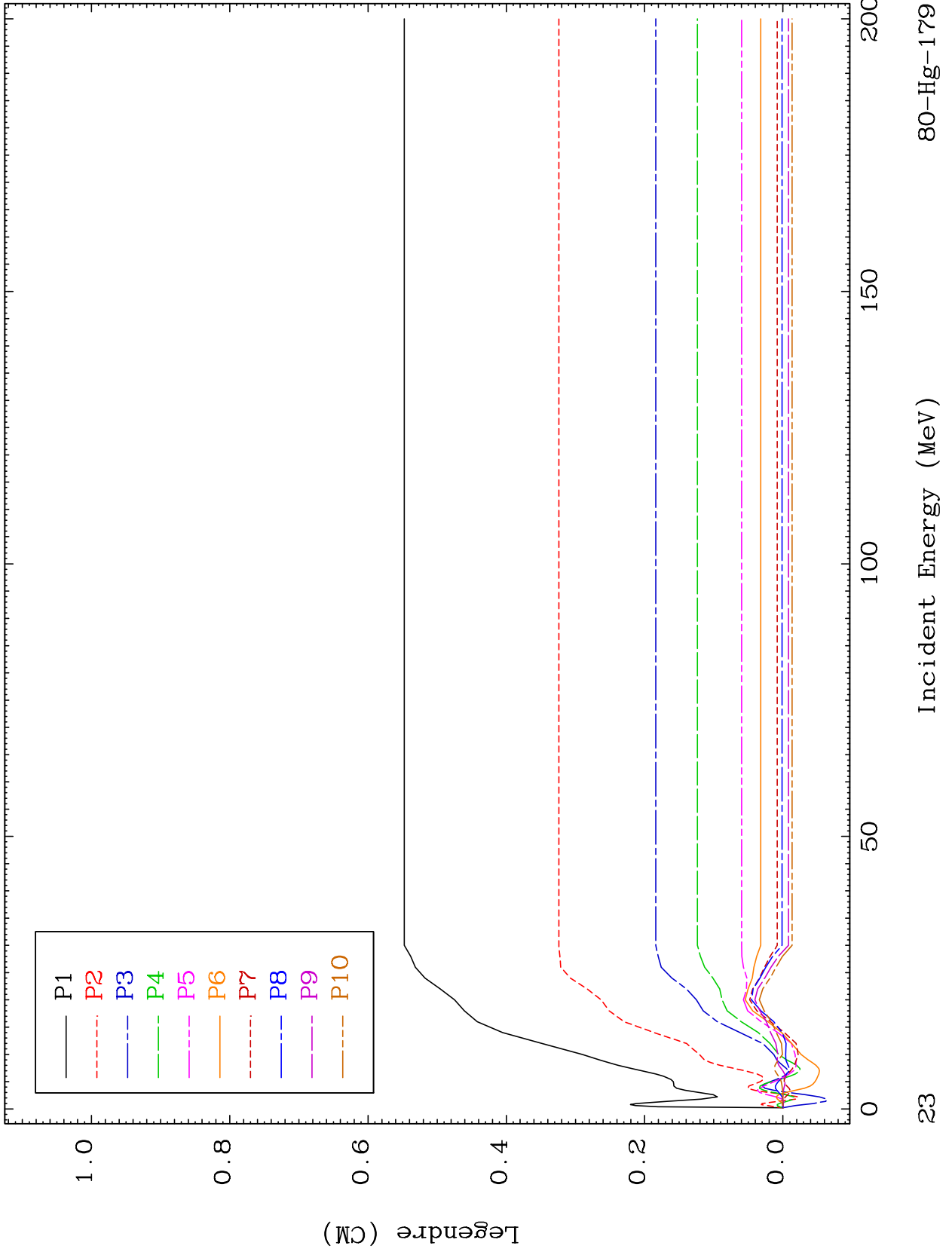
Incident Energy (MeV)

80-Hg-179

MAT 7974

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

80-Hg-179



23

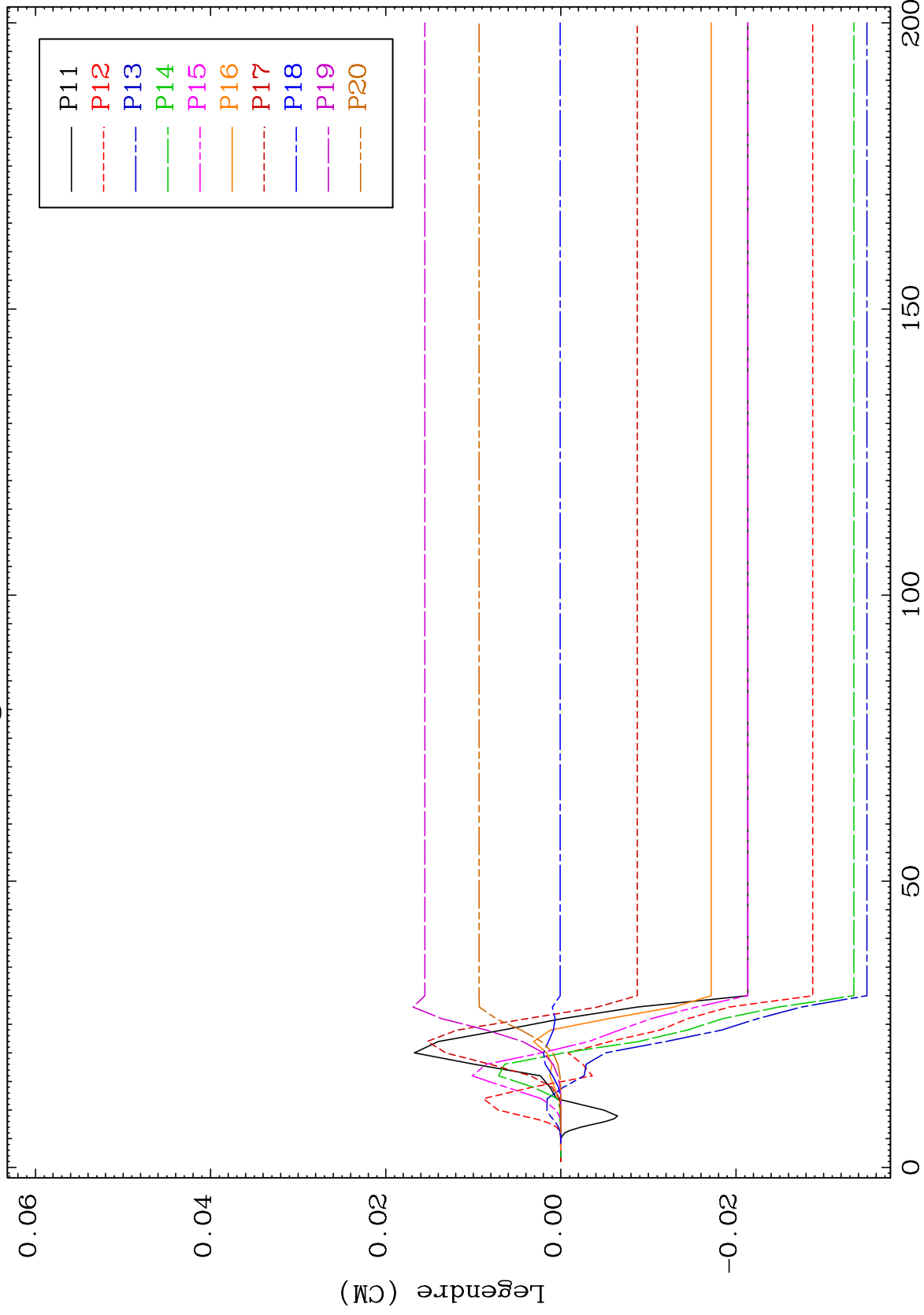
Incident Energy (MeV)

80-Hg-179

MAT 7974

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

80-Hg-179



24

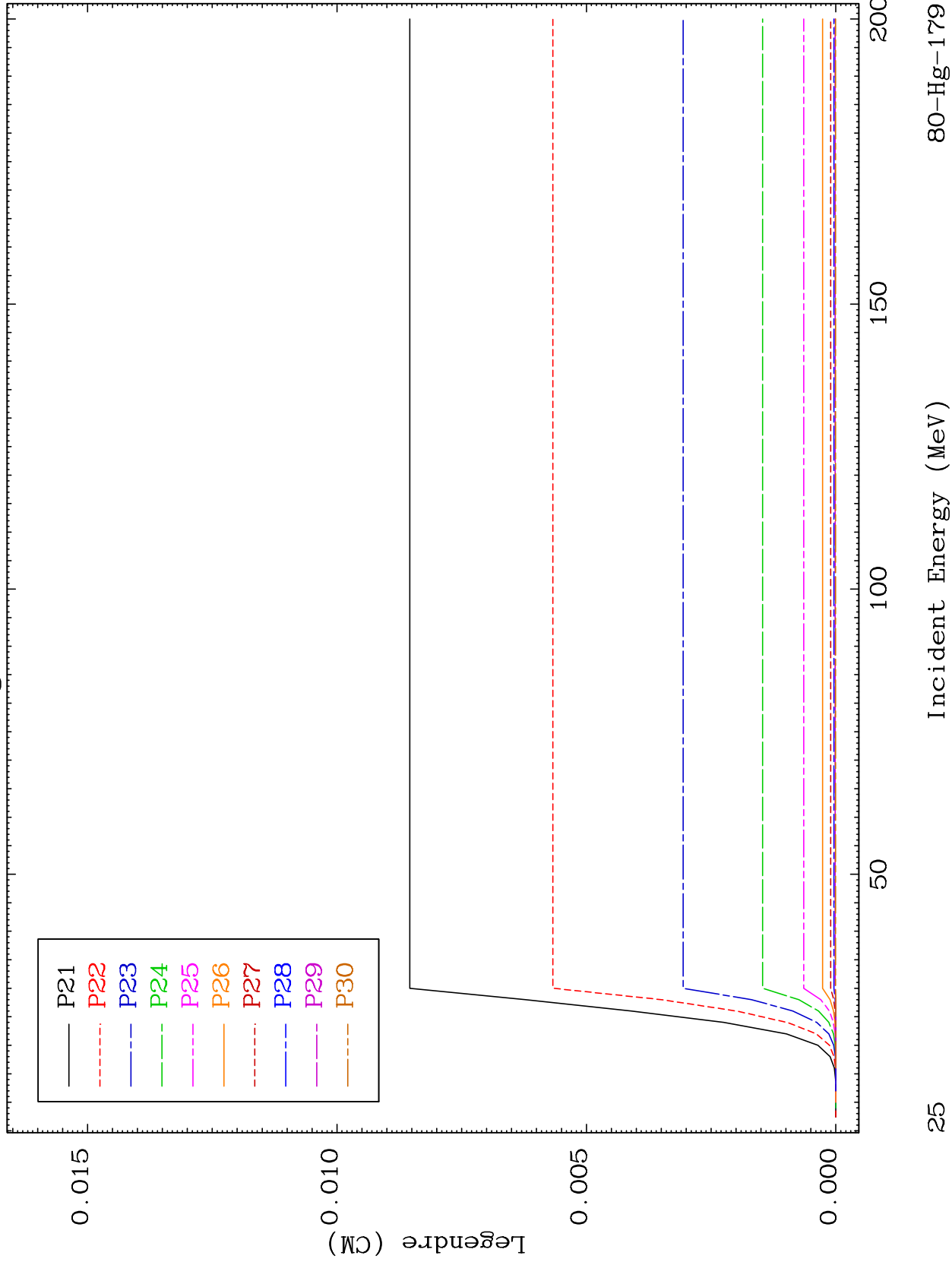
Incident Energy (MeV)

80-Hg-179

MAT 7974

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

80-Hg-179



25

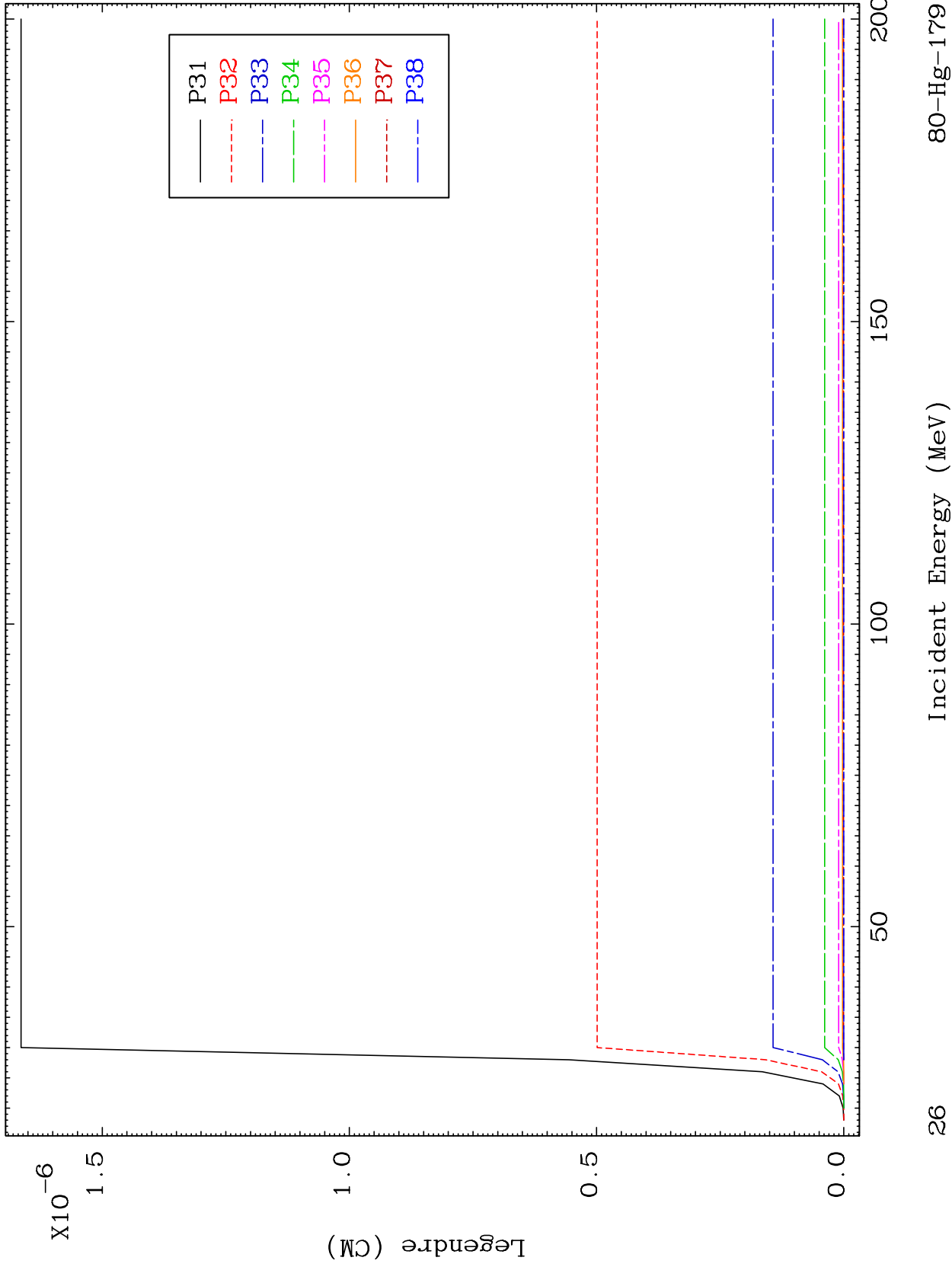
Incident Energy (MeV)

80-Hg-179

MAT 7974

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

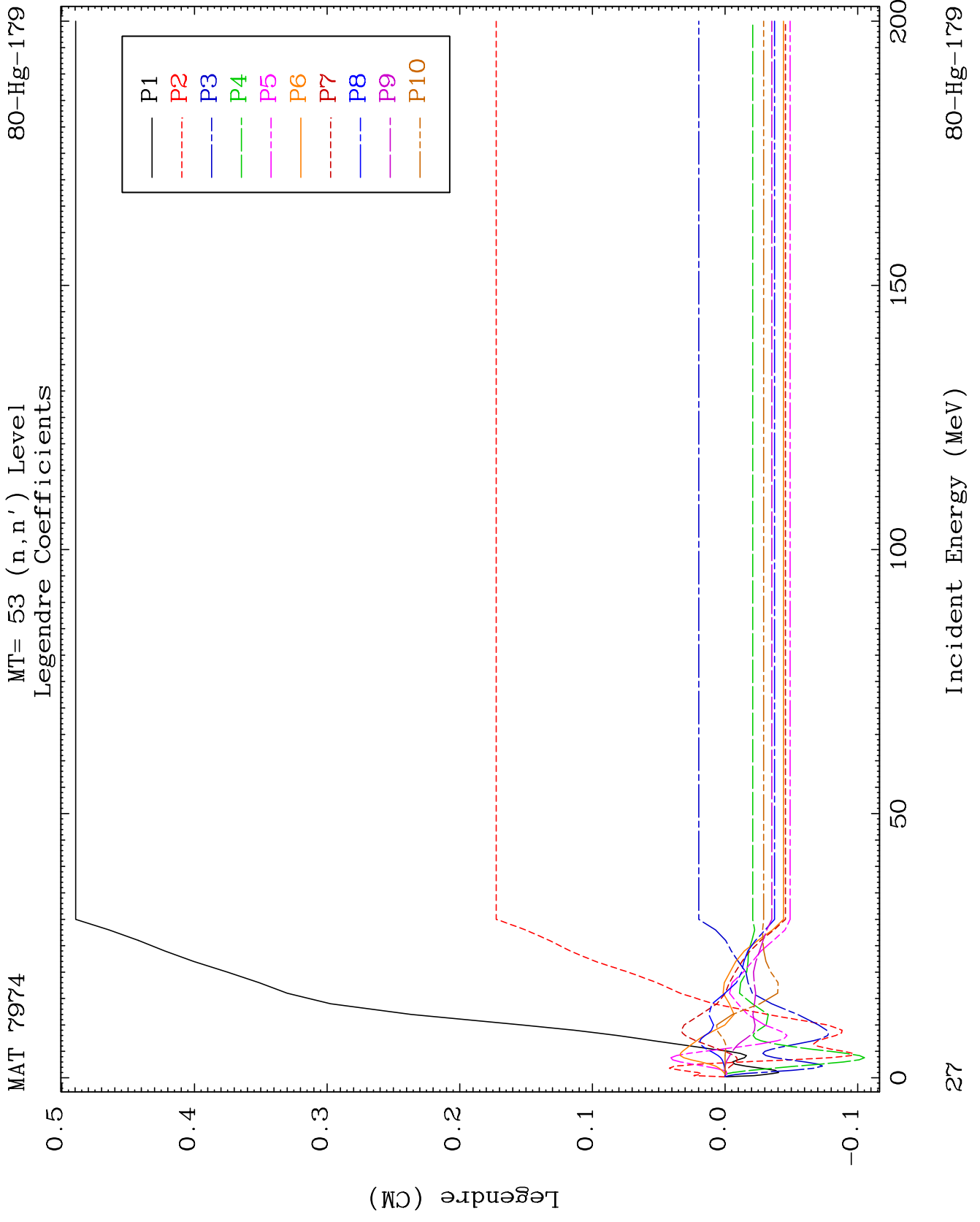
80-Hg-179



26

Incident Energy (MeV)

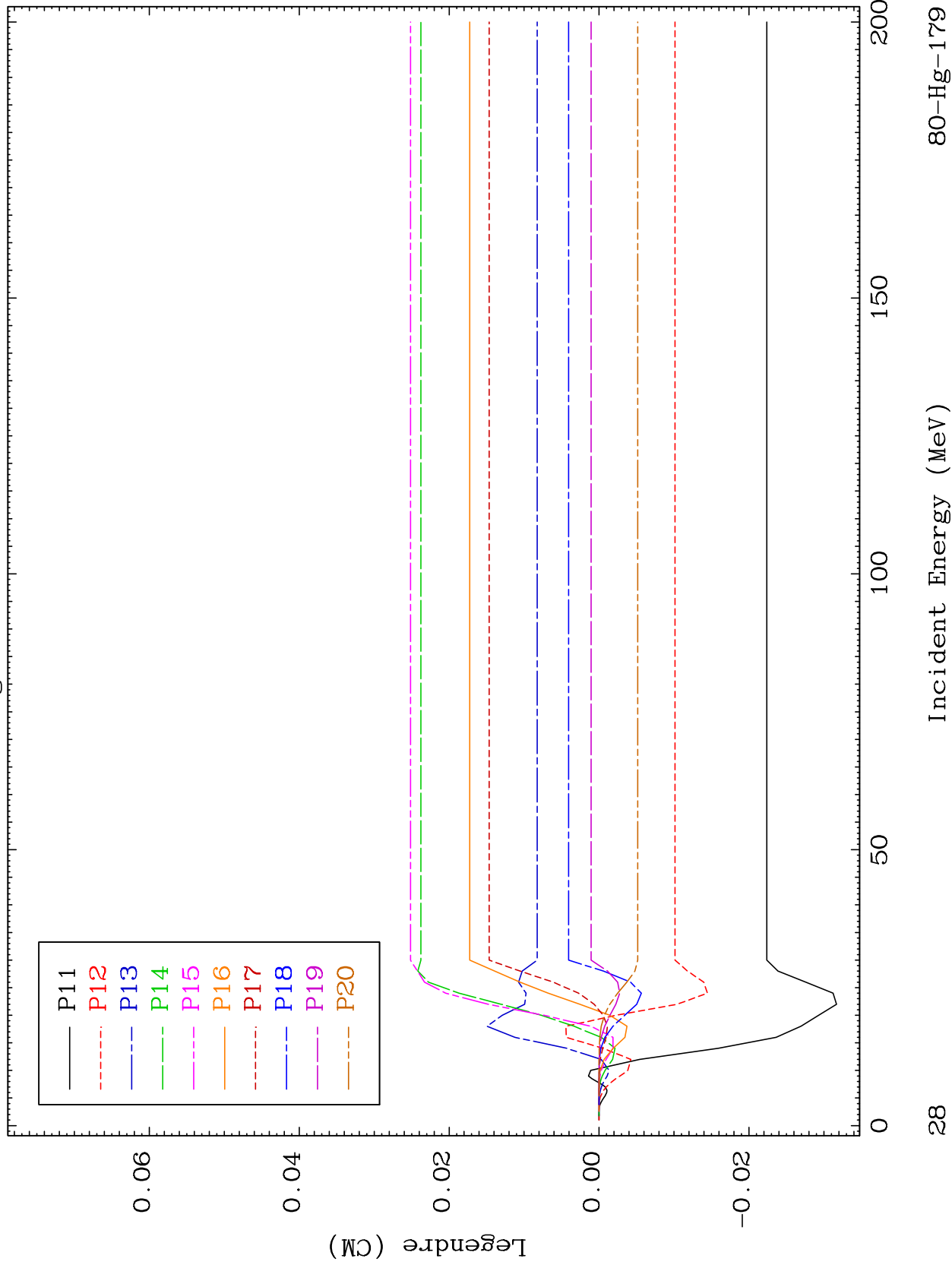
80-Hg-179



MAT 7974

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

80-Hg-179



28

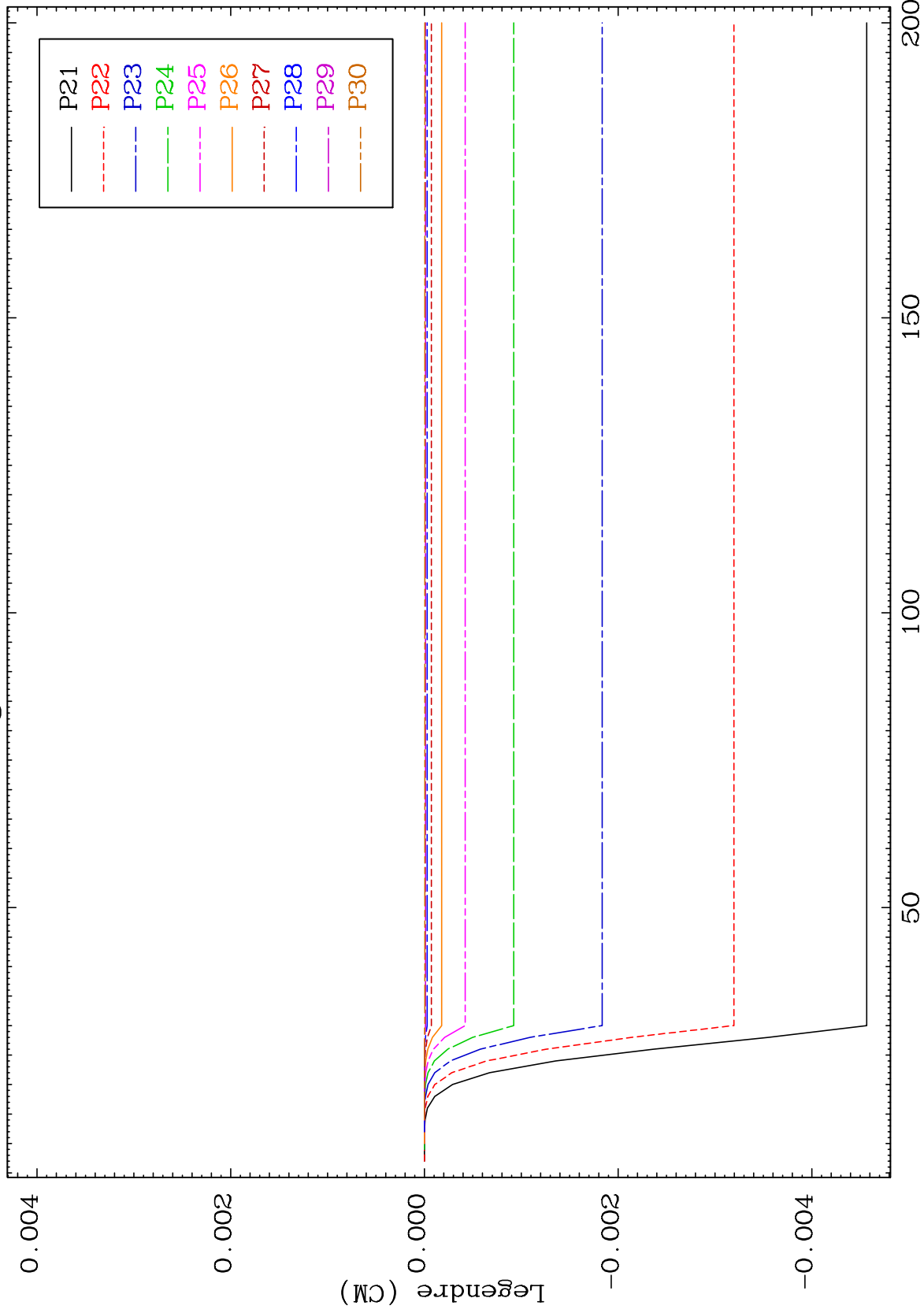
Incident Energy (MeV)

80-Hg-179

MAT 7974

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

80-Hg-179



29

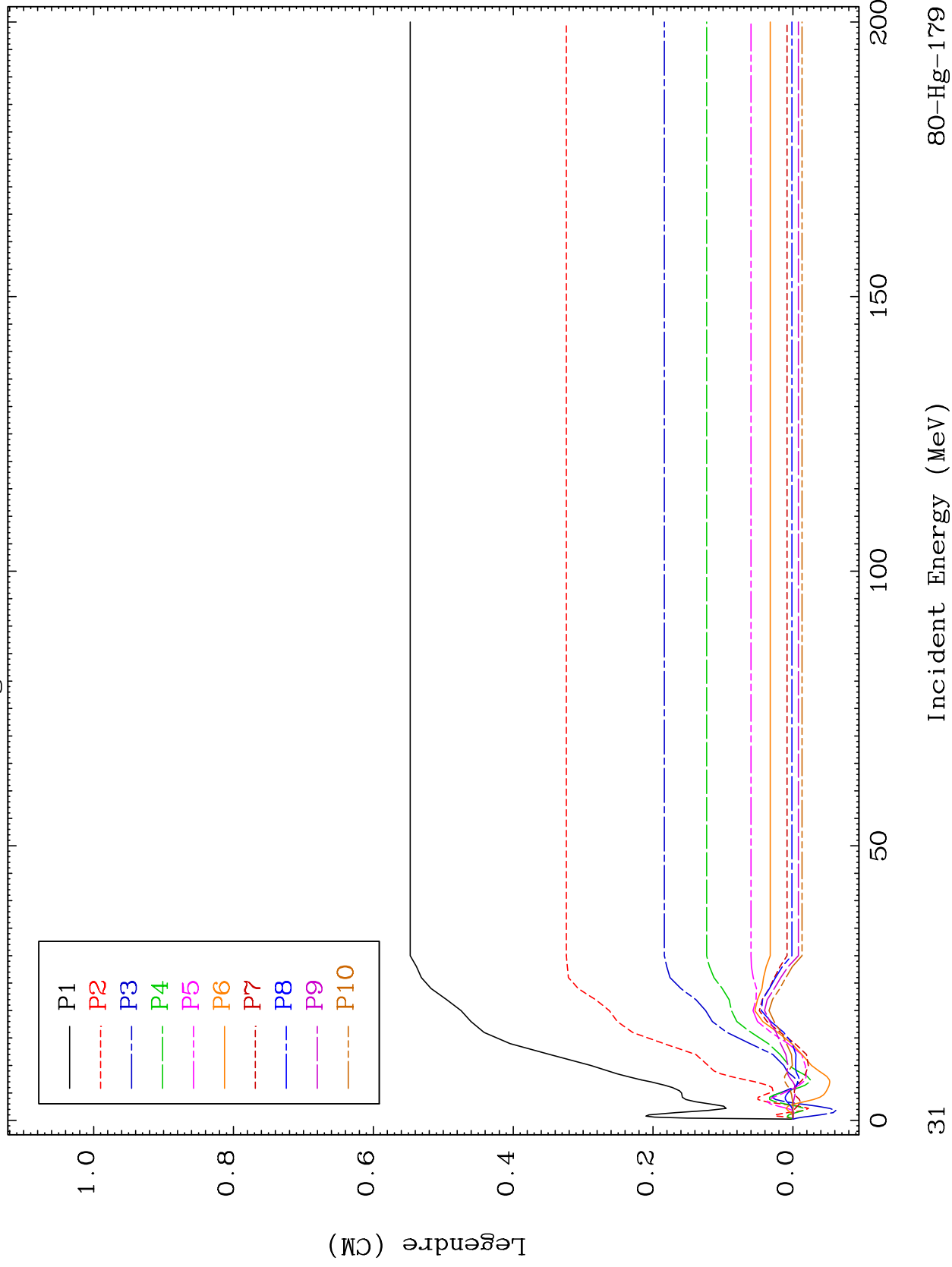
Incident Energy (MeV)

80-Hg-179

MAT 7974

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

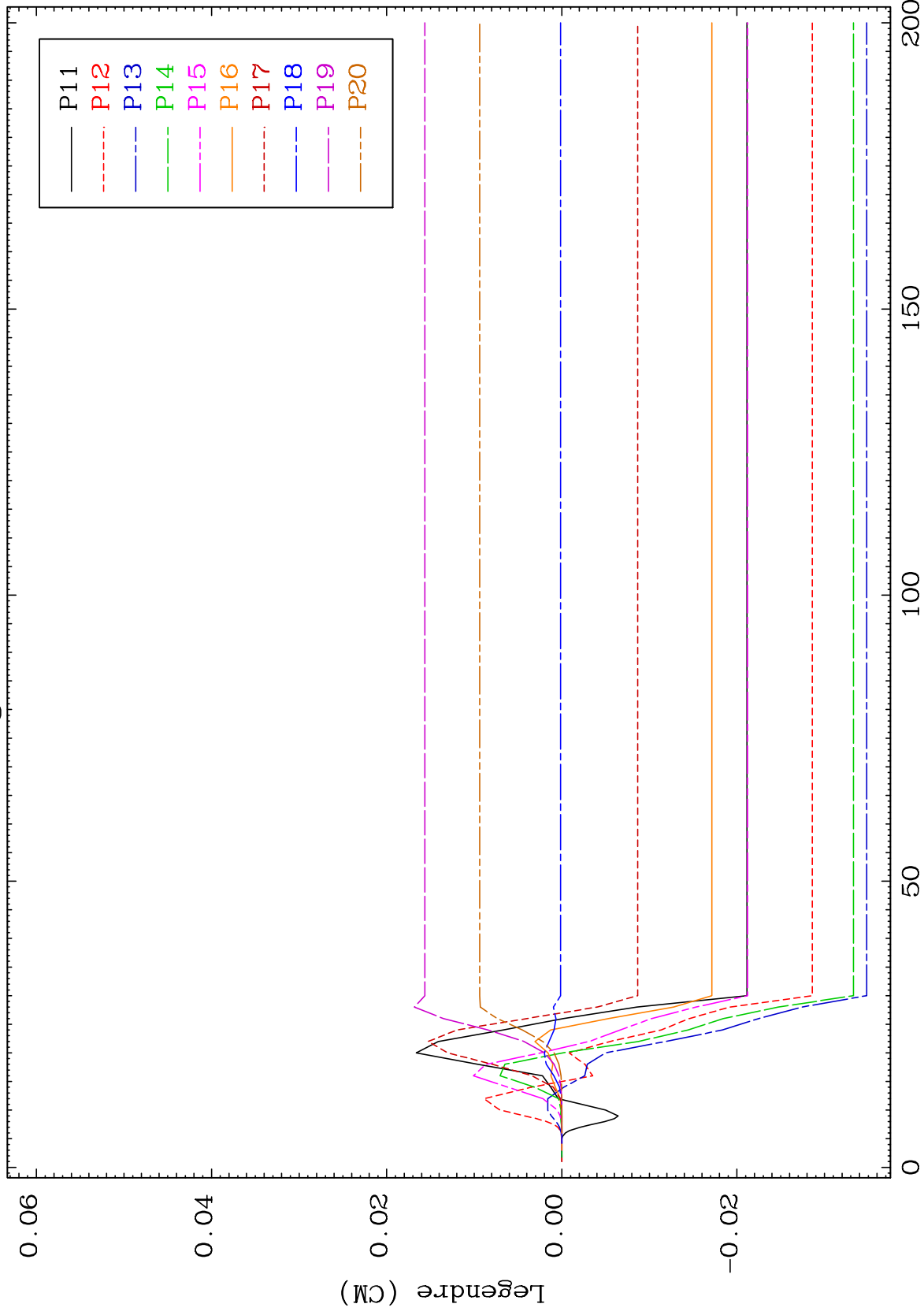
80-Hg-179



MAT 7974

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

80-Hg-179



32

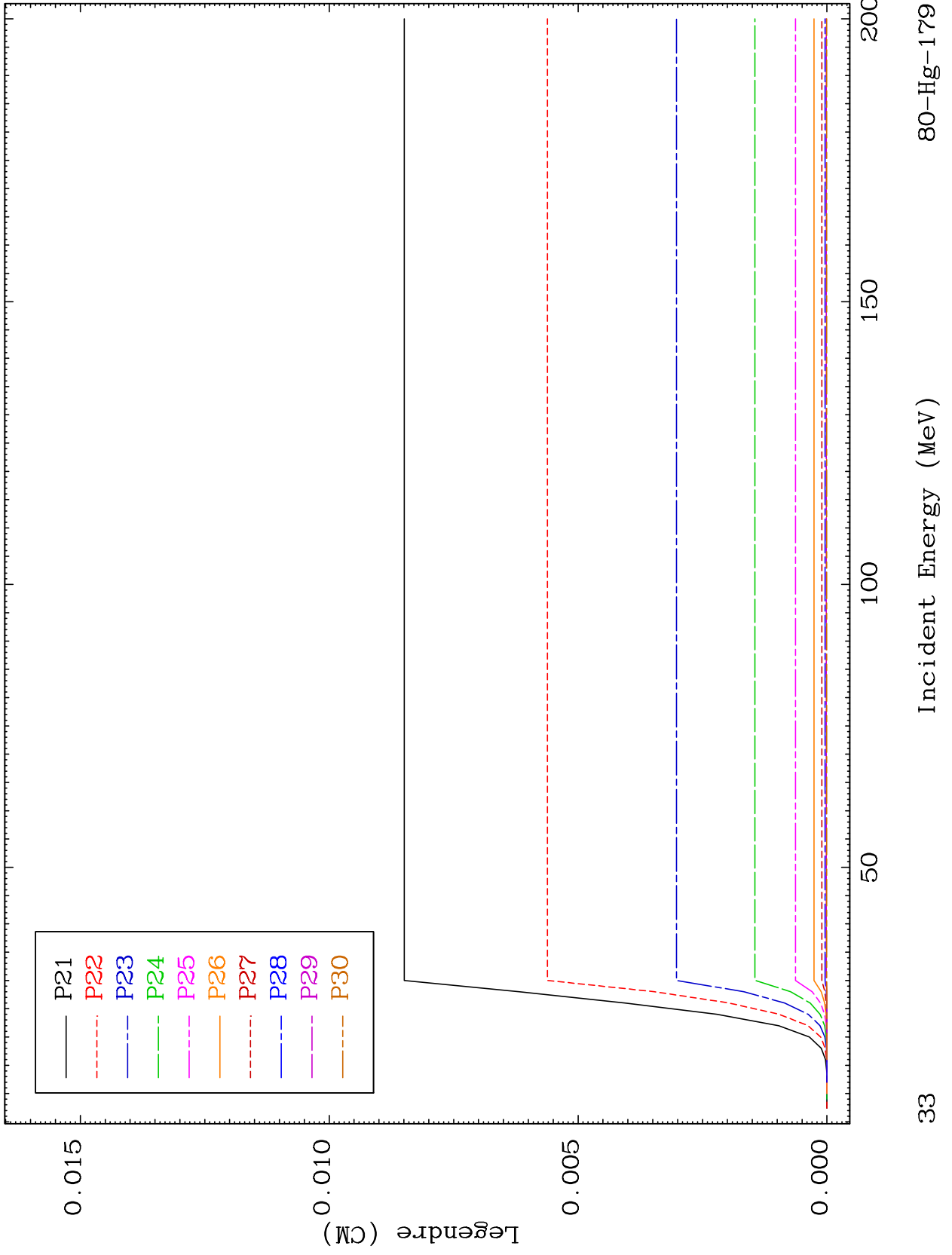
Incident Energy (MeV)

80-Hg-179

MAT 7974

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

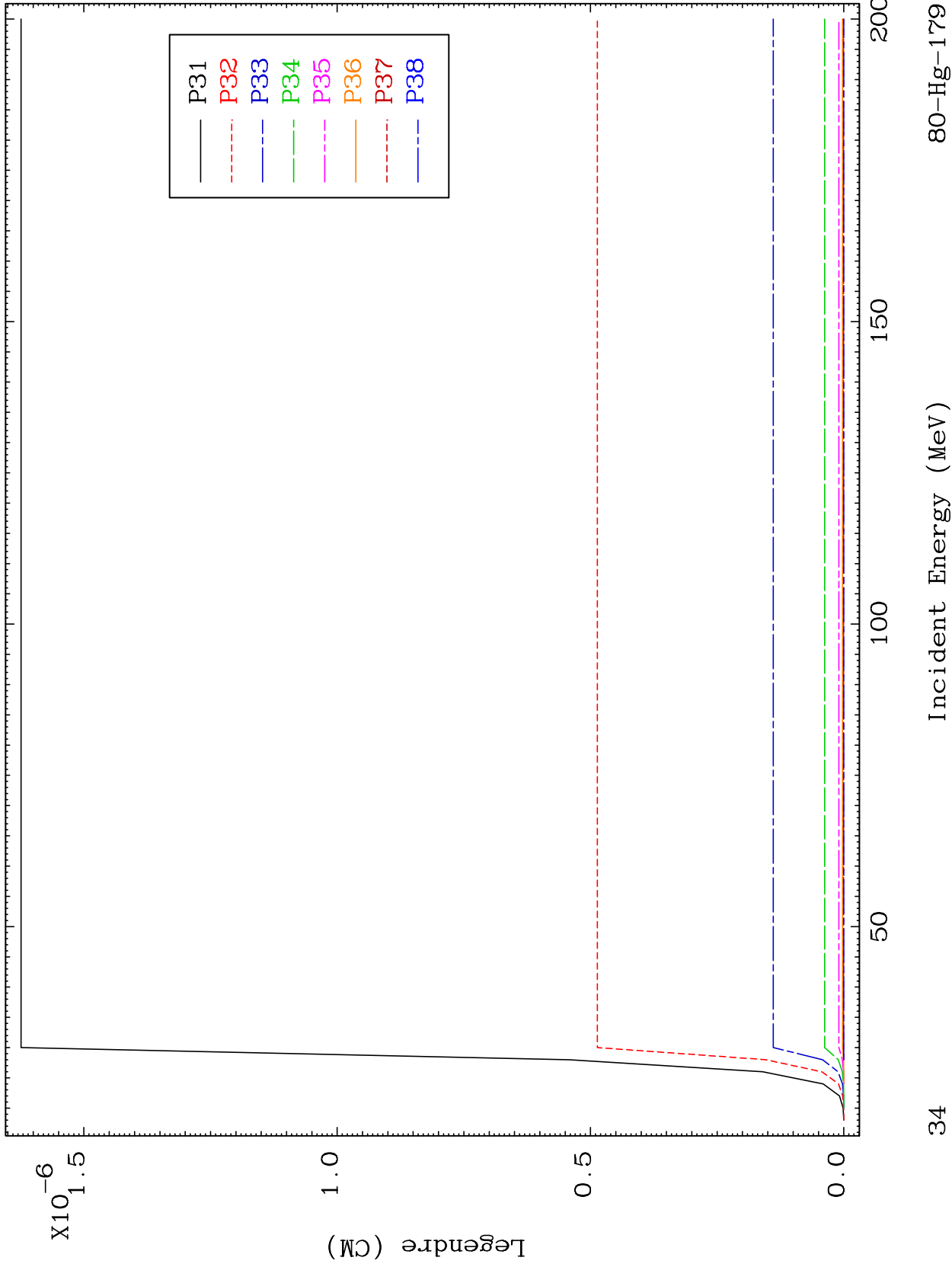
80-Hg-179



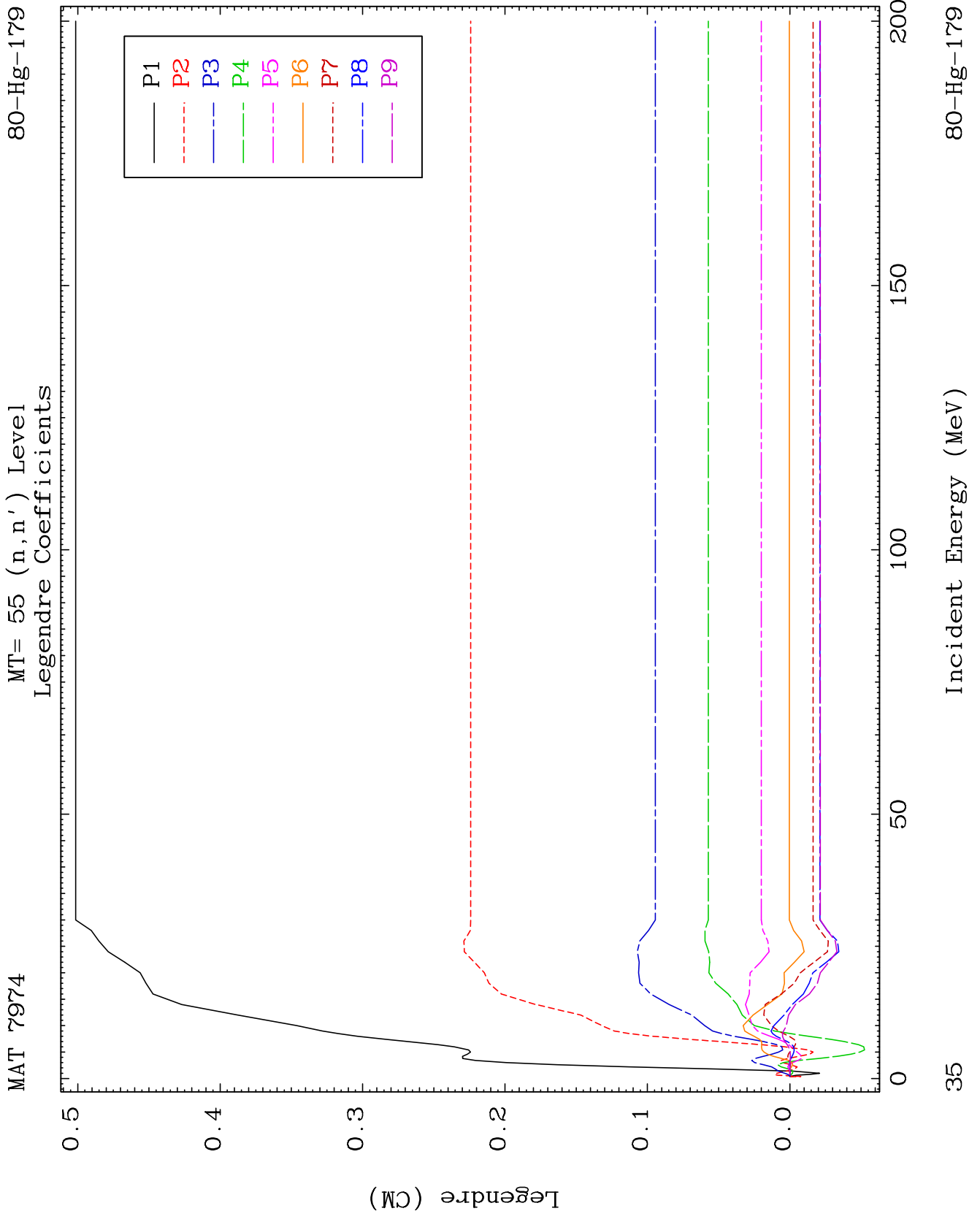
MAT 7974

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

80-Hg-179



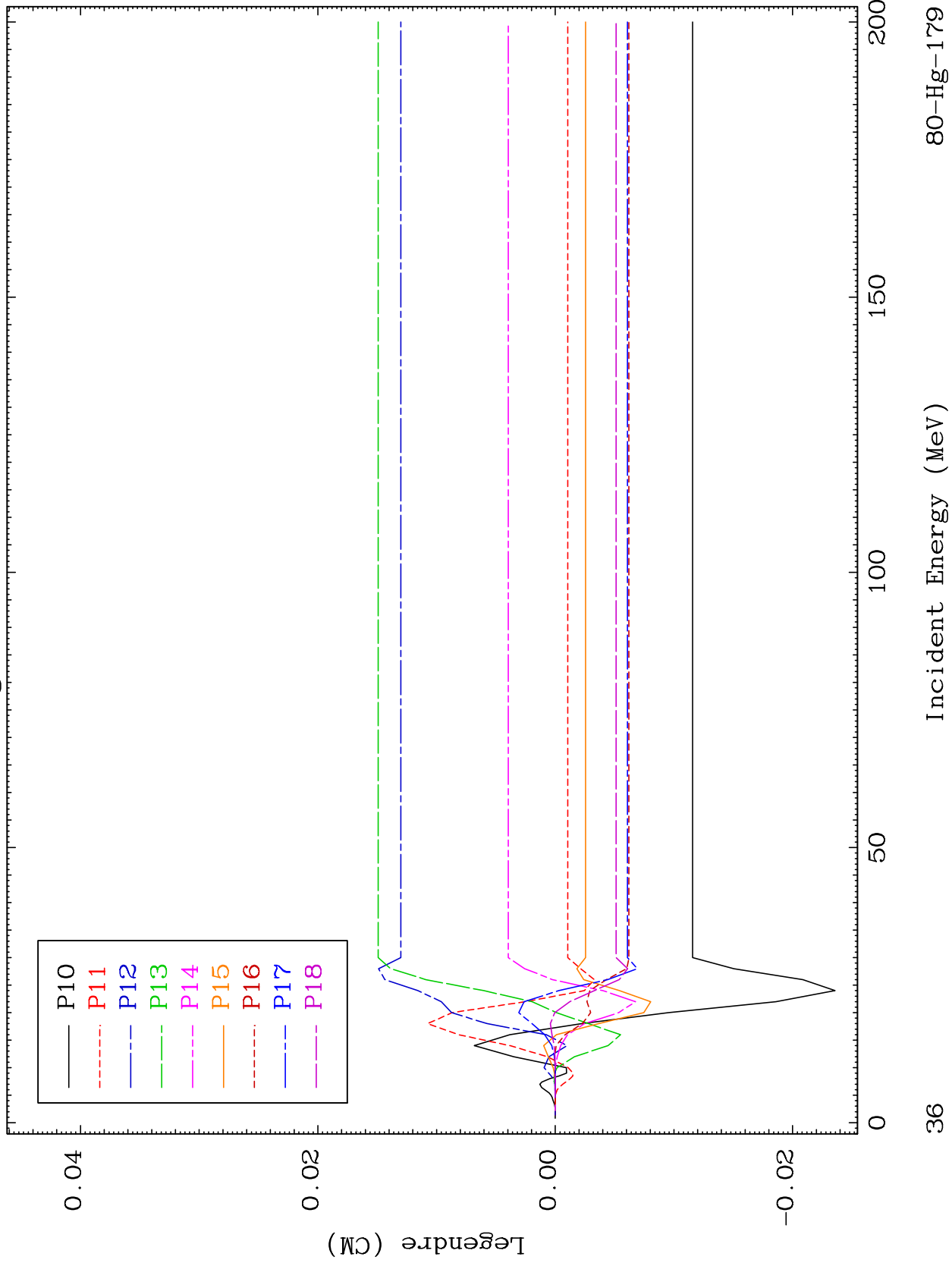
34



MAT 7974

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

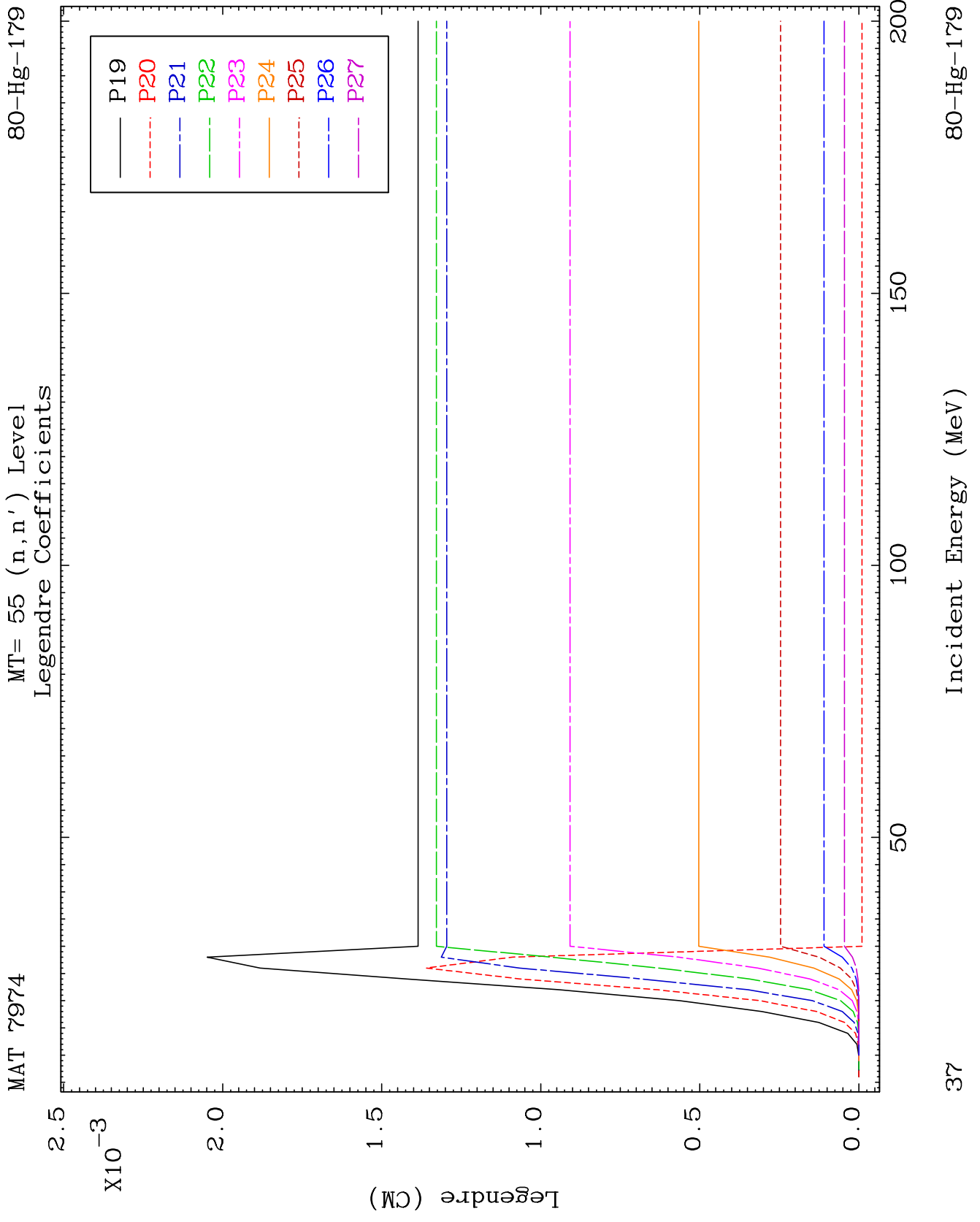
80-Hg-179



36

Incident Energy (MeV)

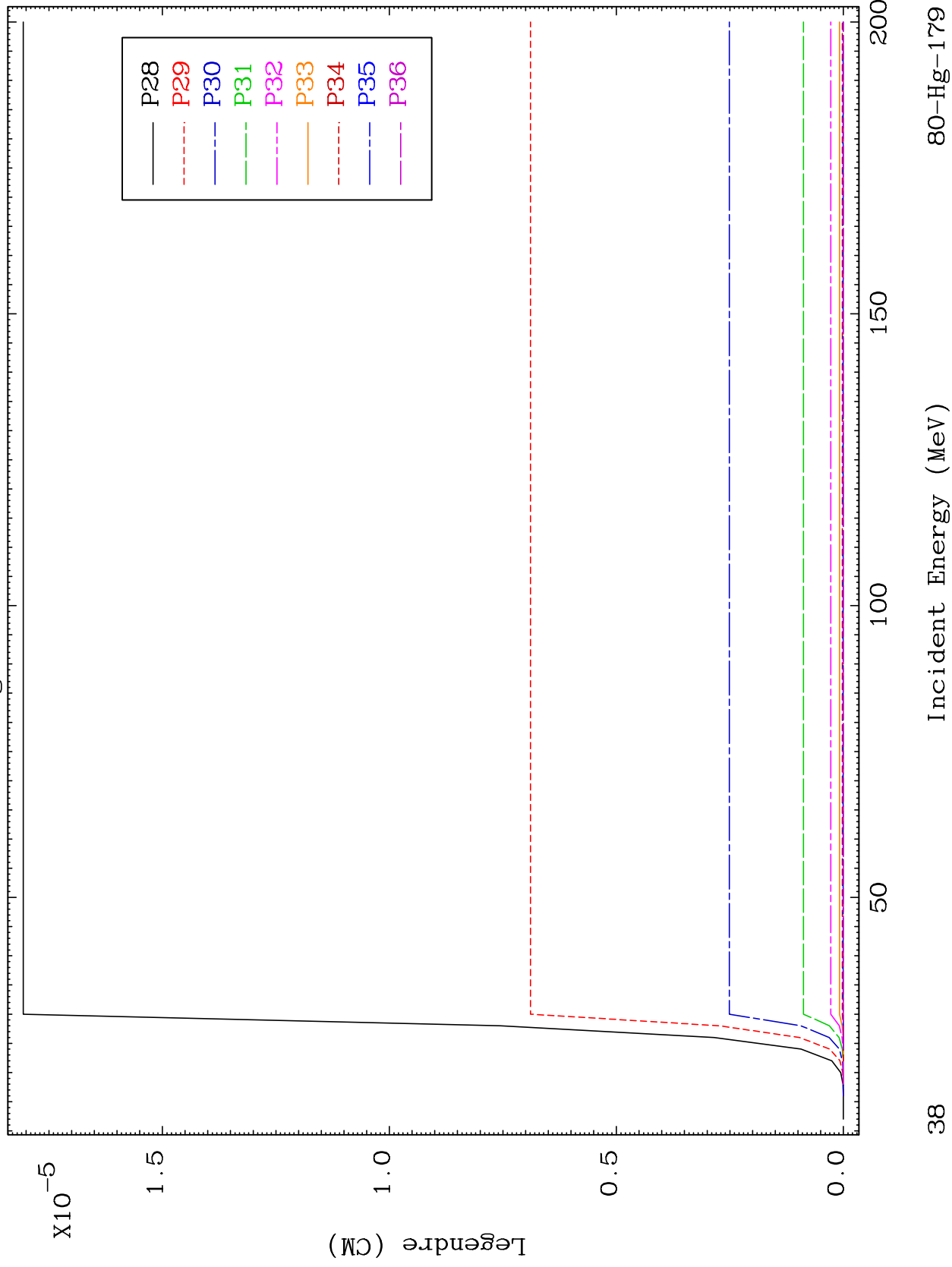
80-Hg-179



MAT 7974

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

80-Hg-179



38

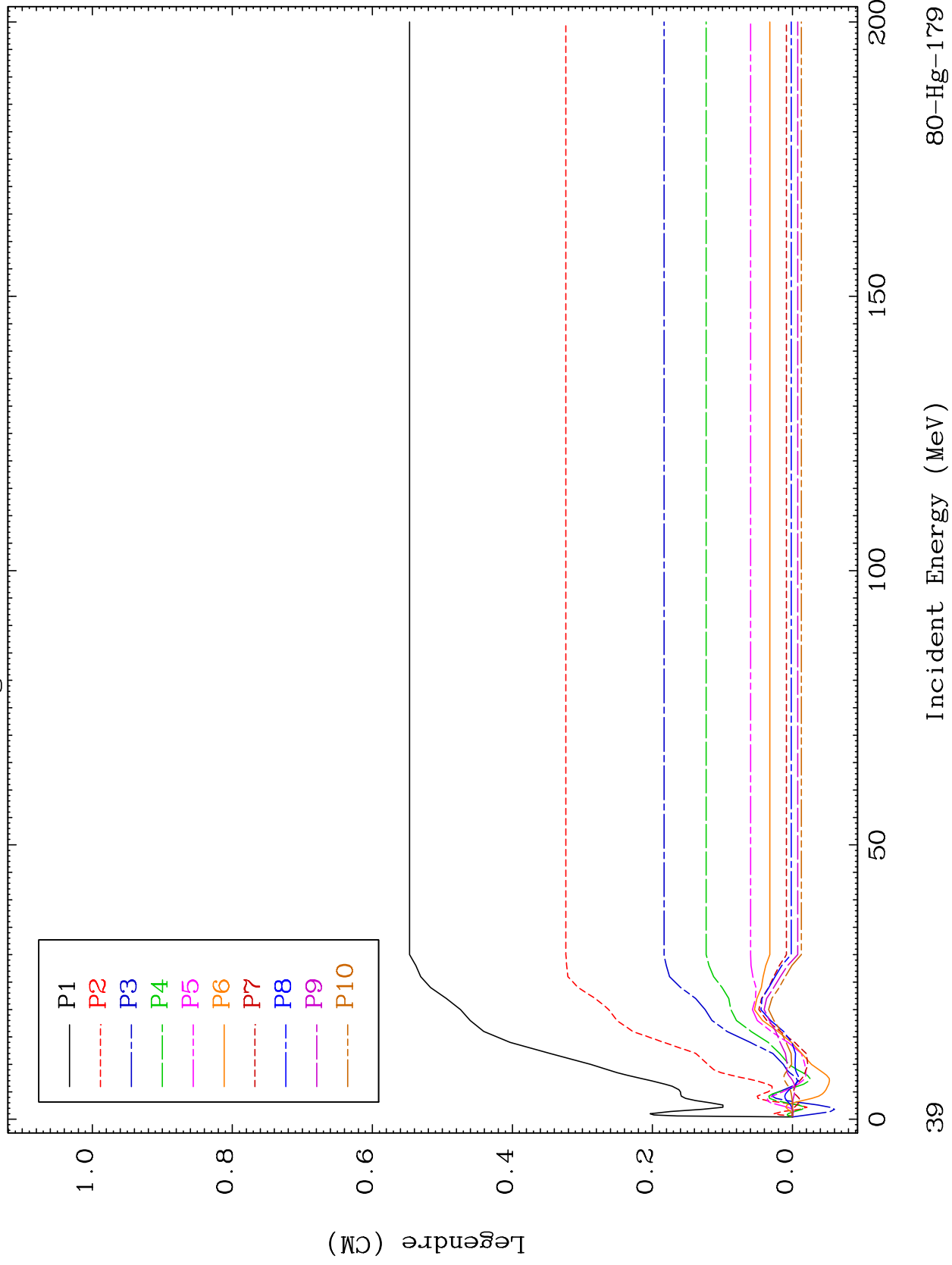
Incident Energy (MeV)

80-Hg-179

MAT 7974

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

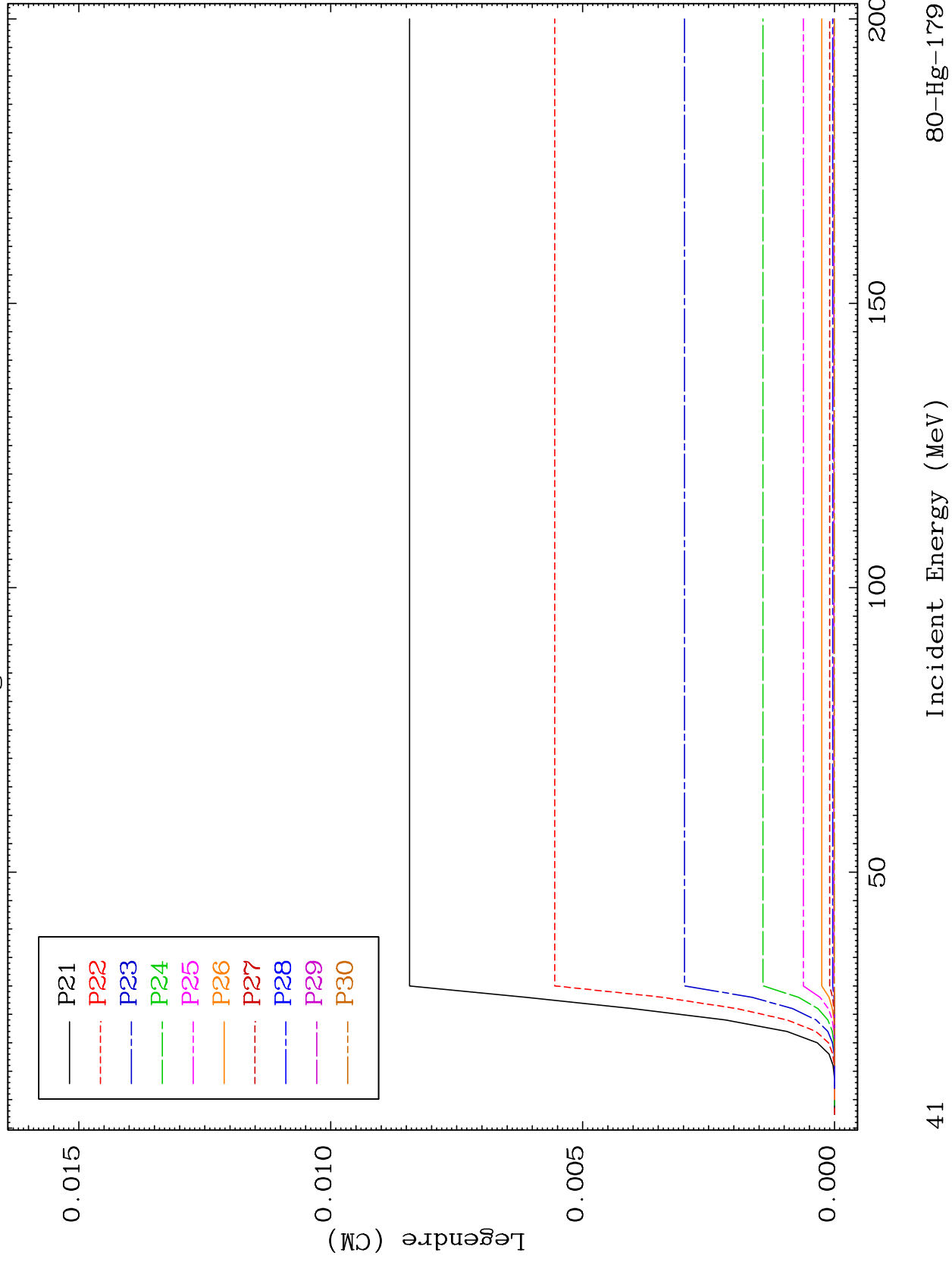
80-Hg-179



MAT 7974

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

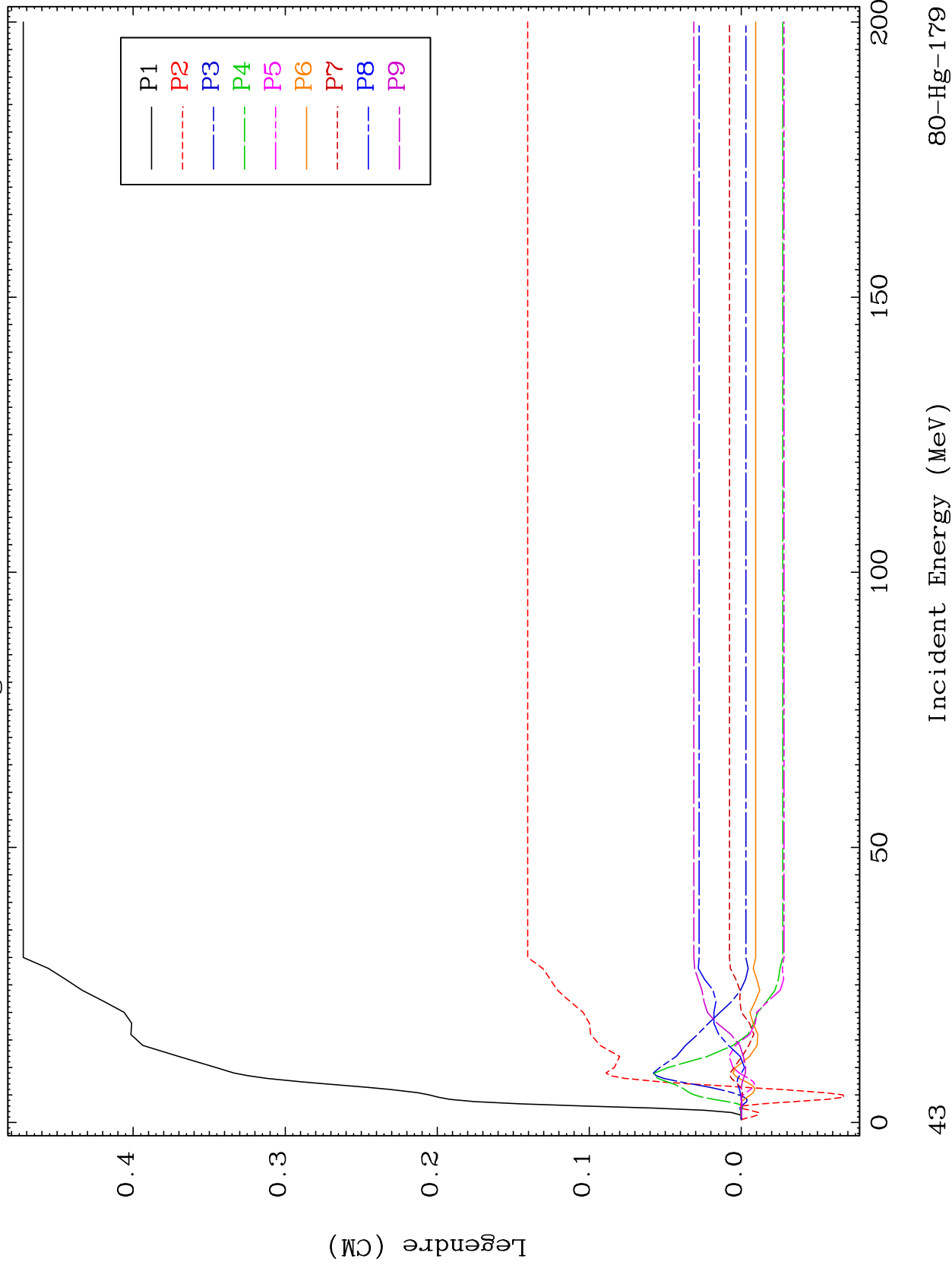
80-Hg-179



MAT 7974

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

80-Hg-179



43

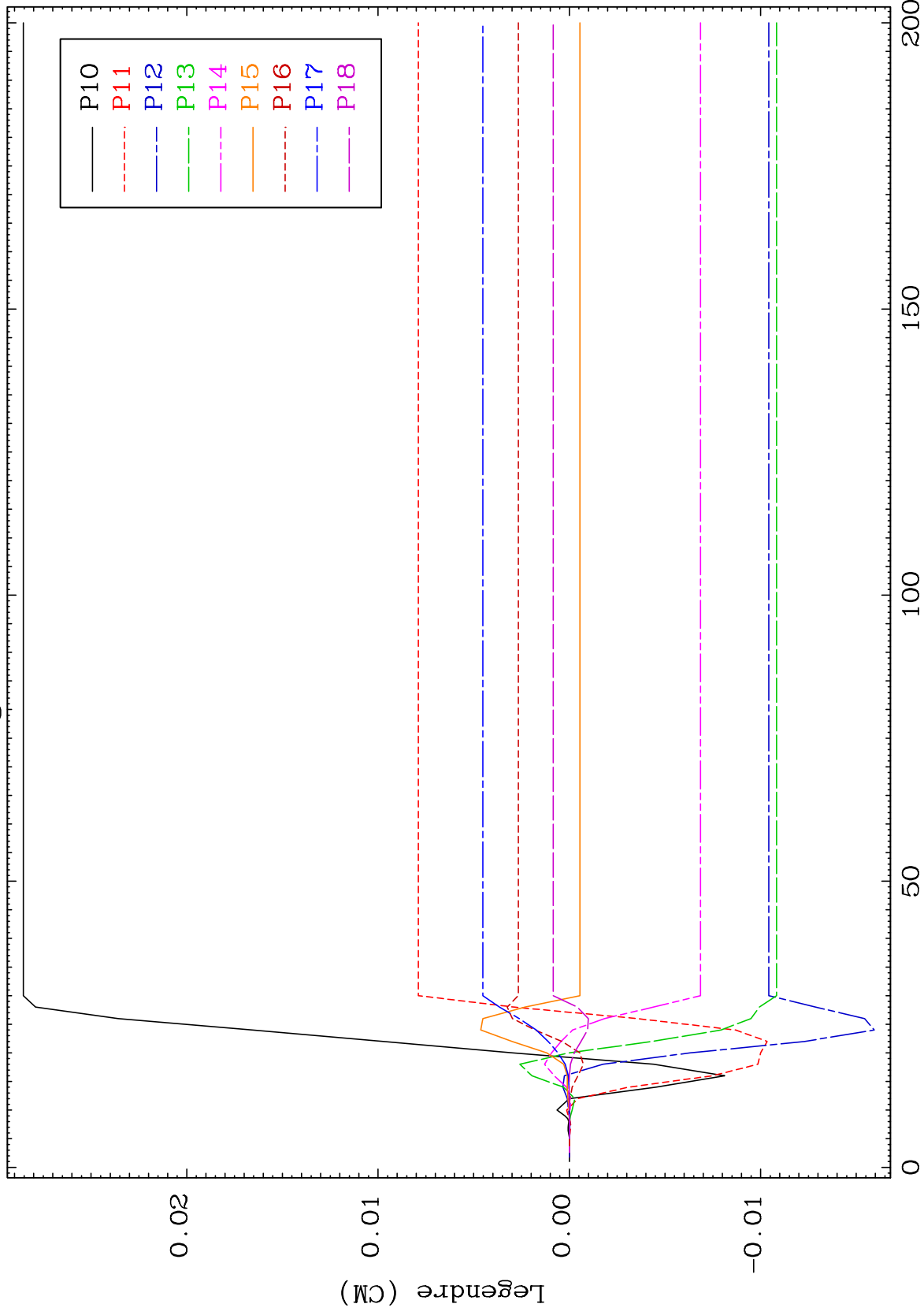
Incident Energy (MeV)

80-Hg-179

MAT 7974

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

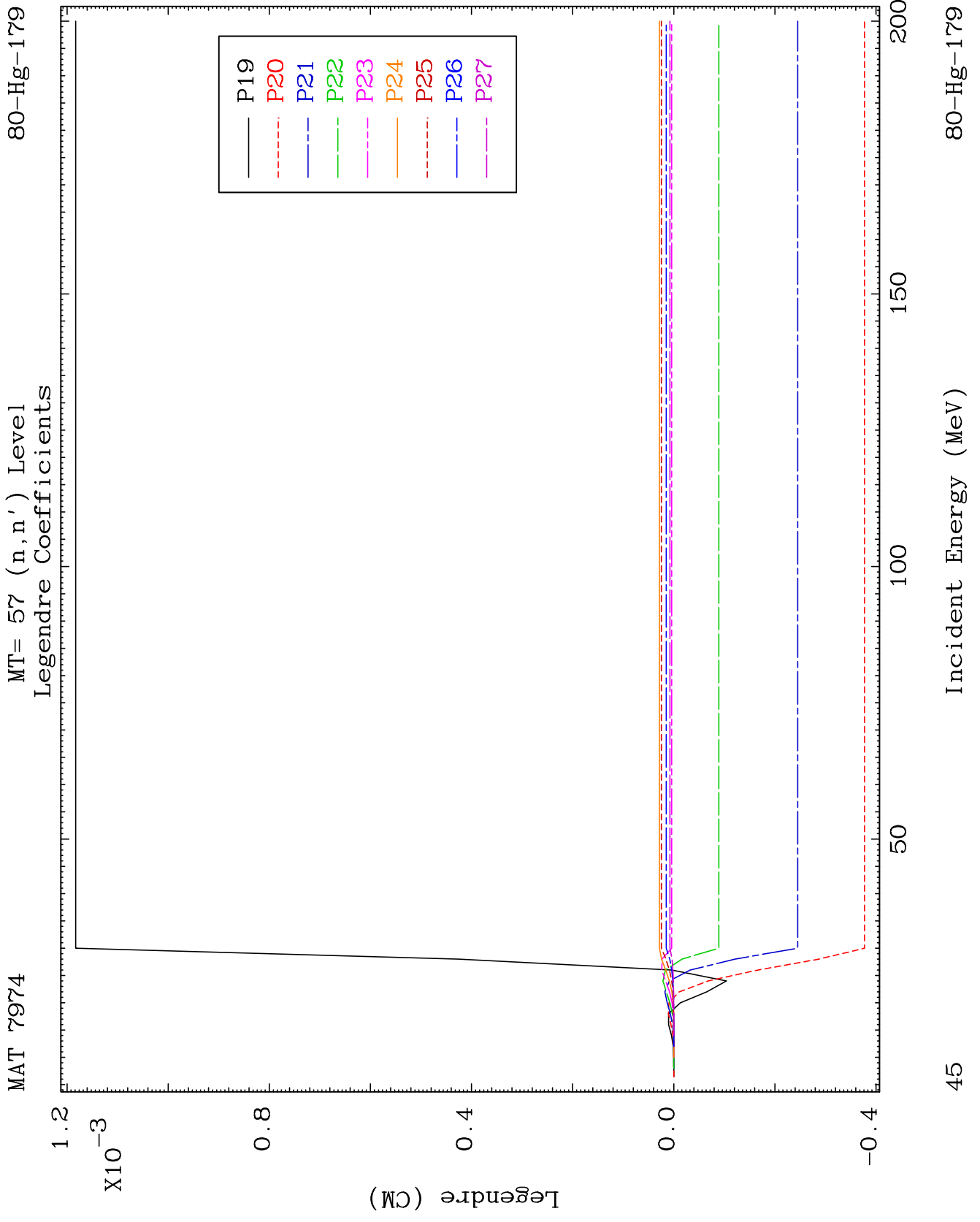
80-Hg-179



44

Incident Energy (MeV)

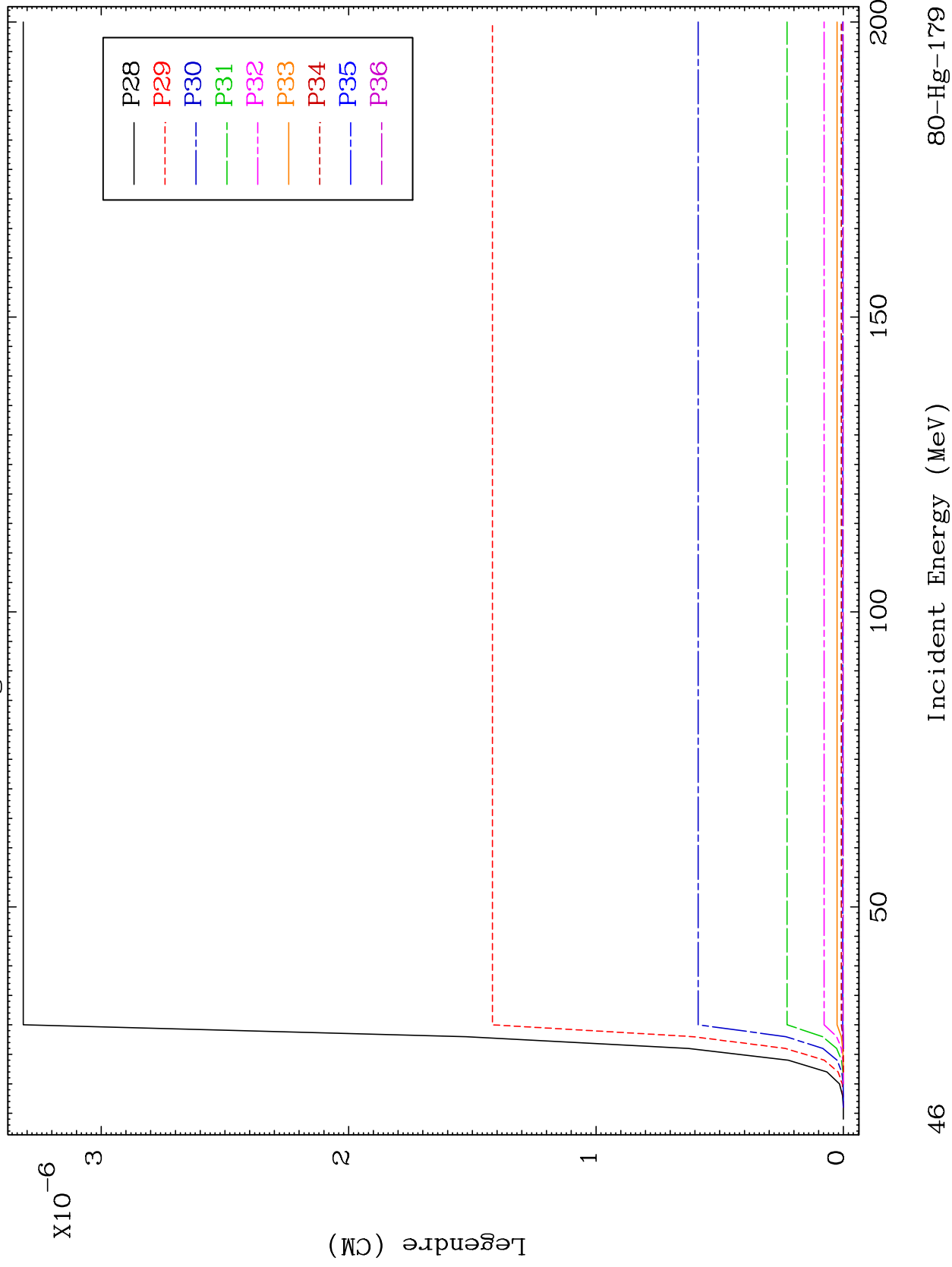
80-Hg-179



MAT 7974

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

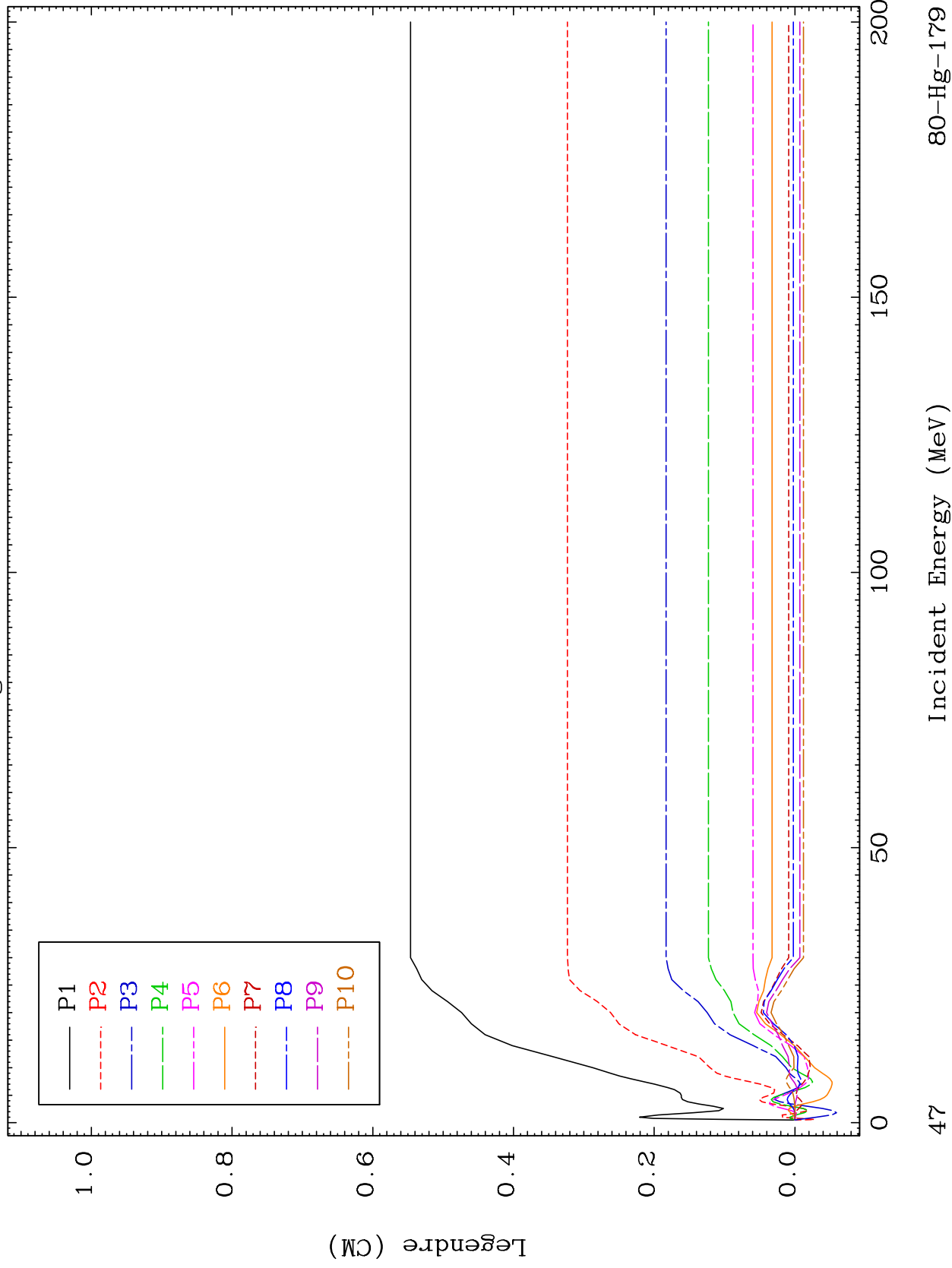
80-Hg-179



MAT 7974

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

80-Hg-179



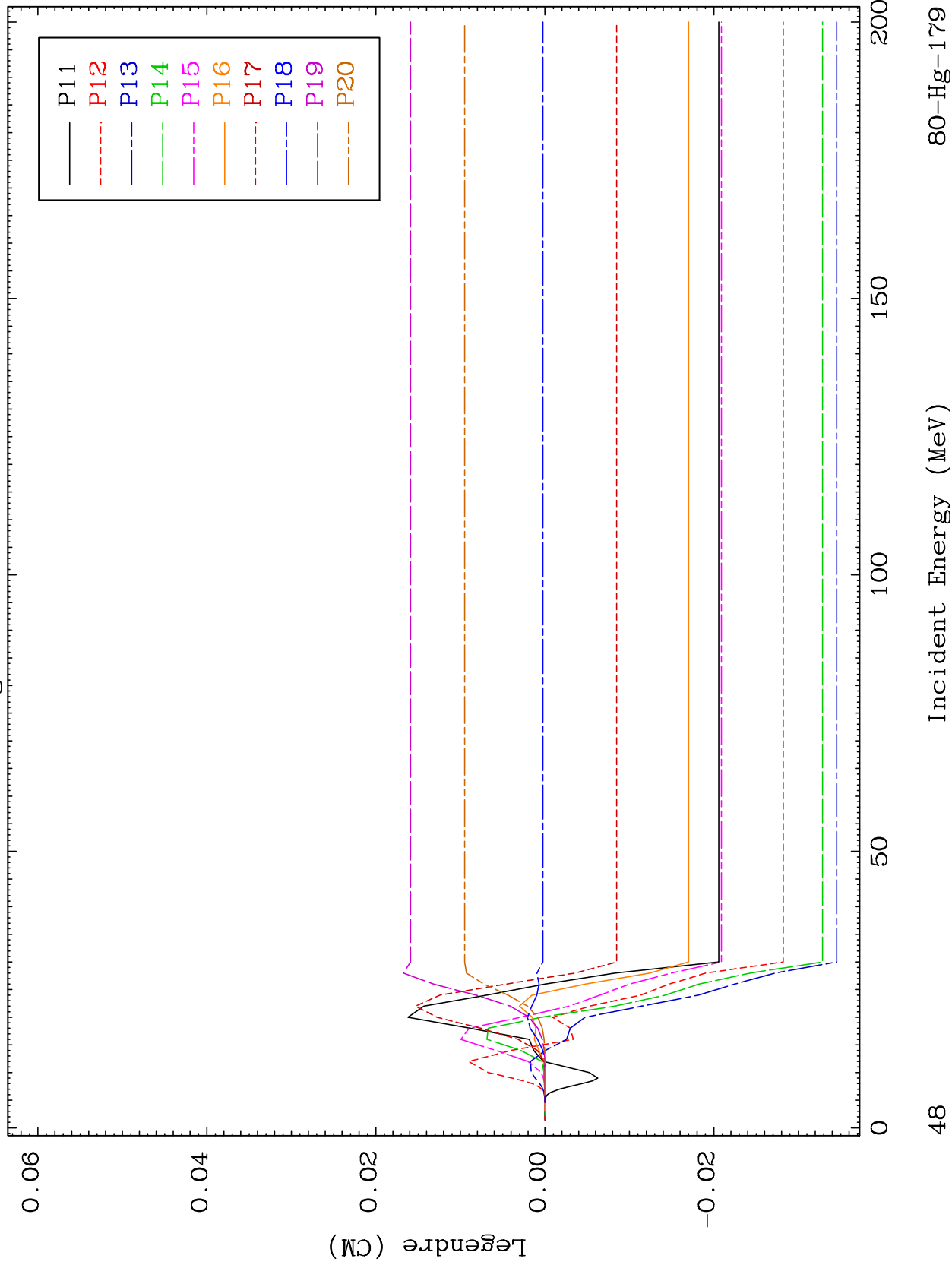
47

80-Hg-179

MAT 7974

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

80-Hg-179



80-Hg-179

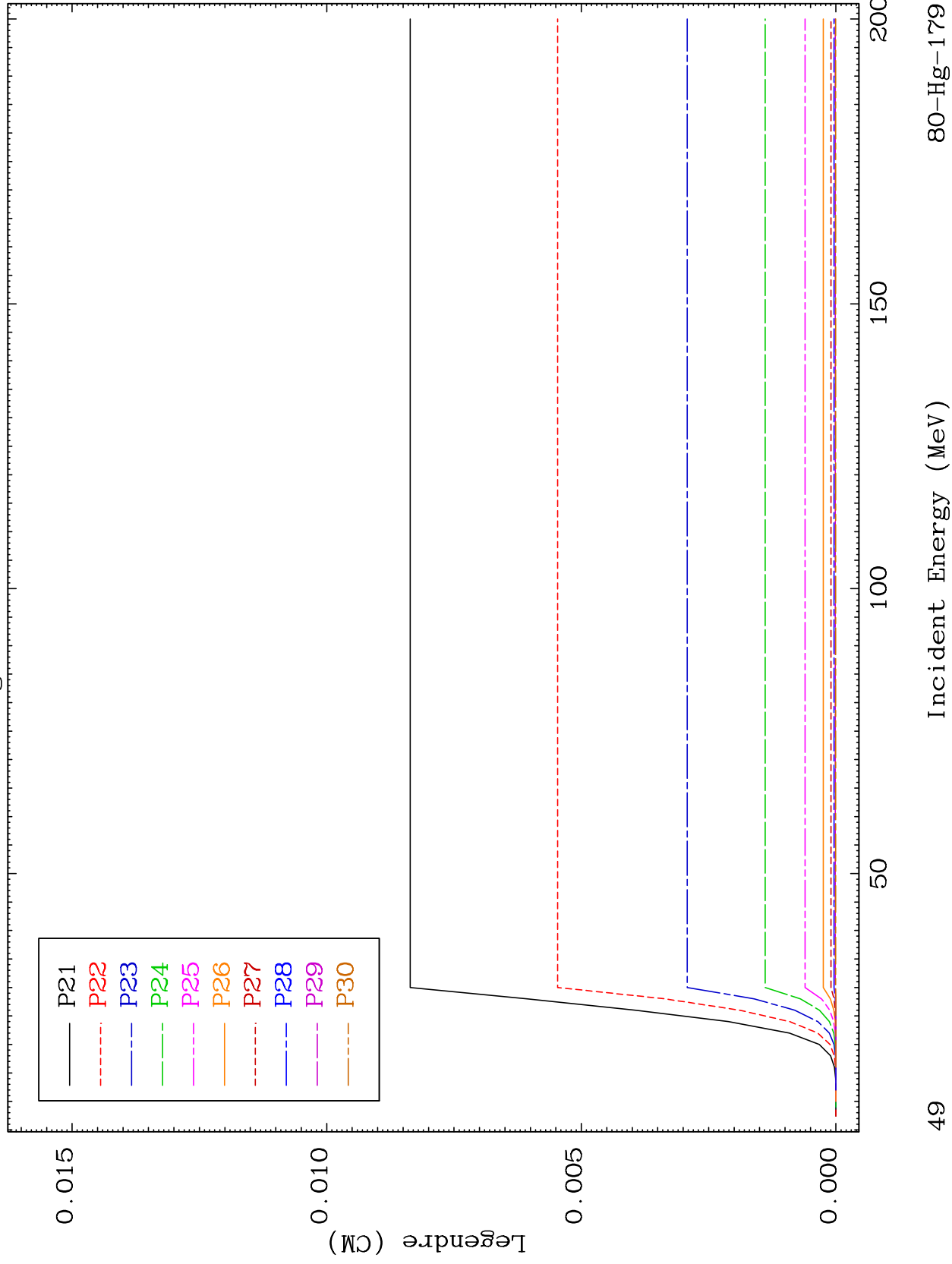
Incident Energy (MeV)

48

MAT 7974

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

80-Hg-179



49

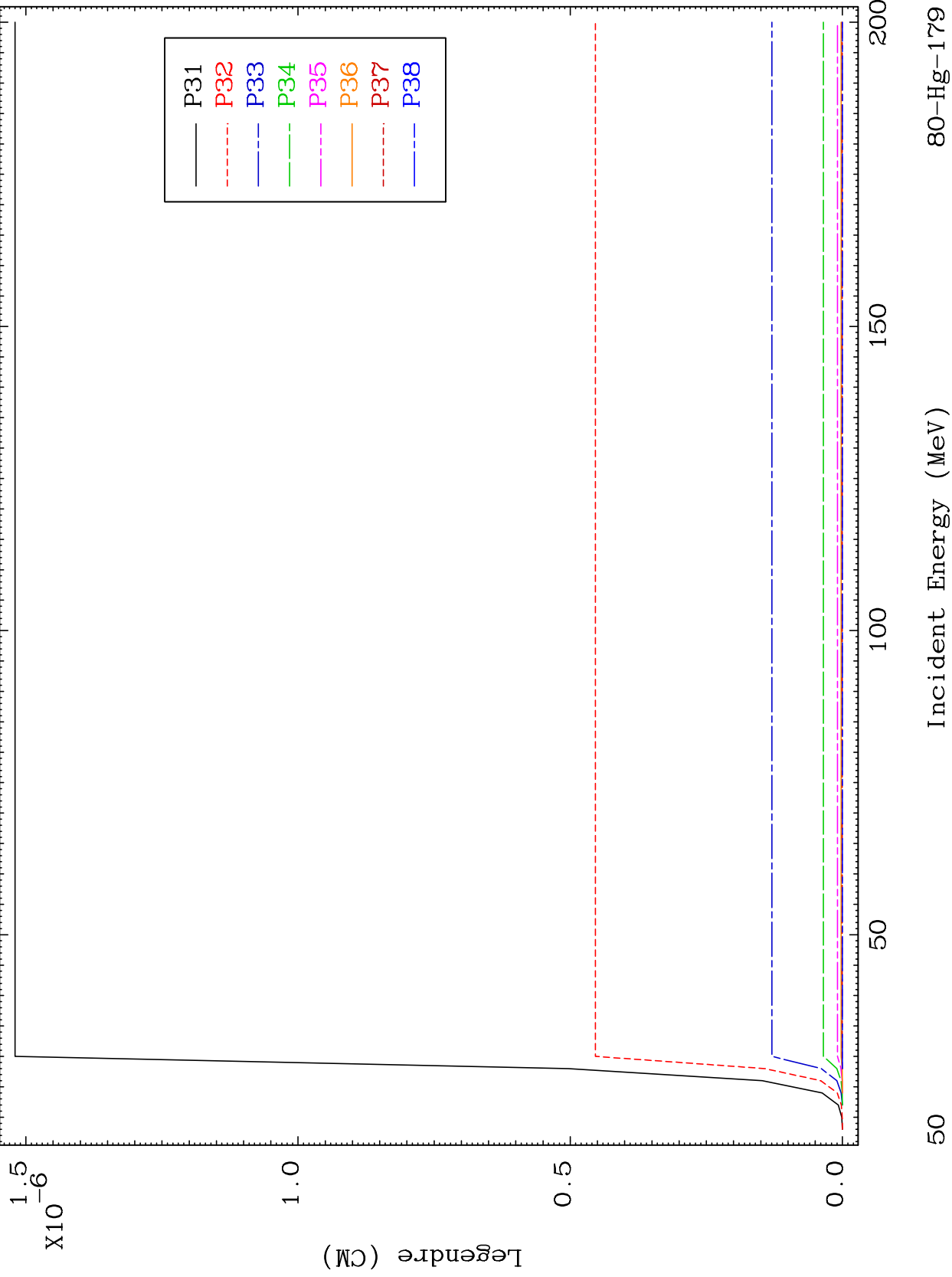
Incident Energy (MeV)

80-Hg-179

MAT 7974

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

80-Hg-179

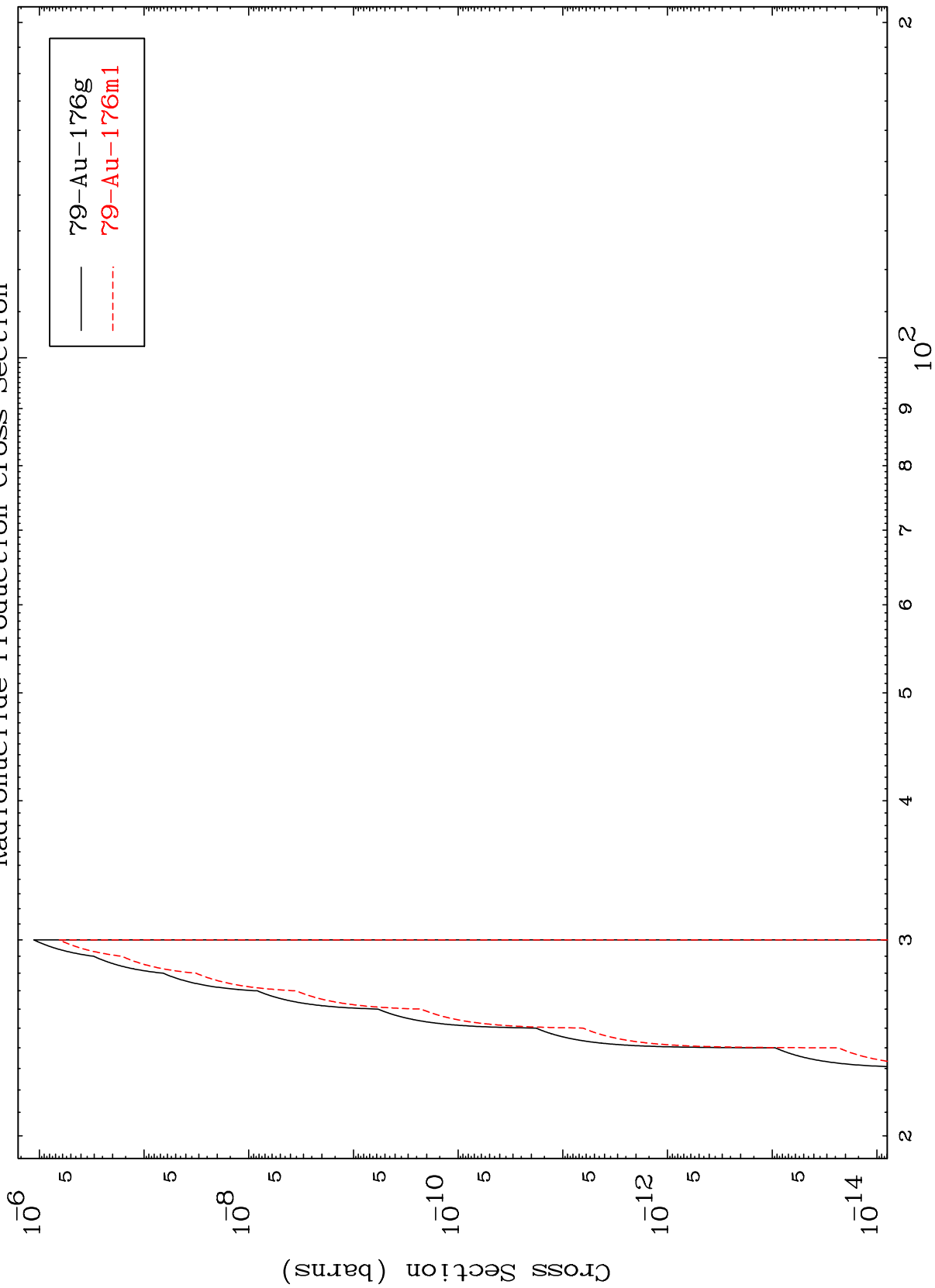


MAT 7974

(n,2n) d

80-Hg-179

Radionuclide Production Cross Section



51

Incident Energy (MeV)

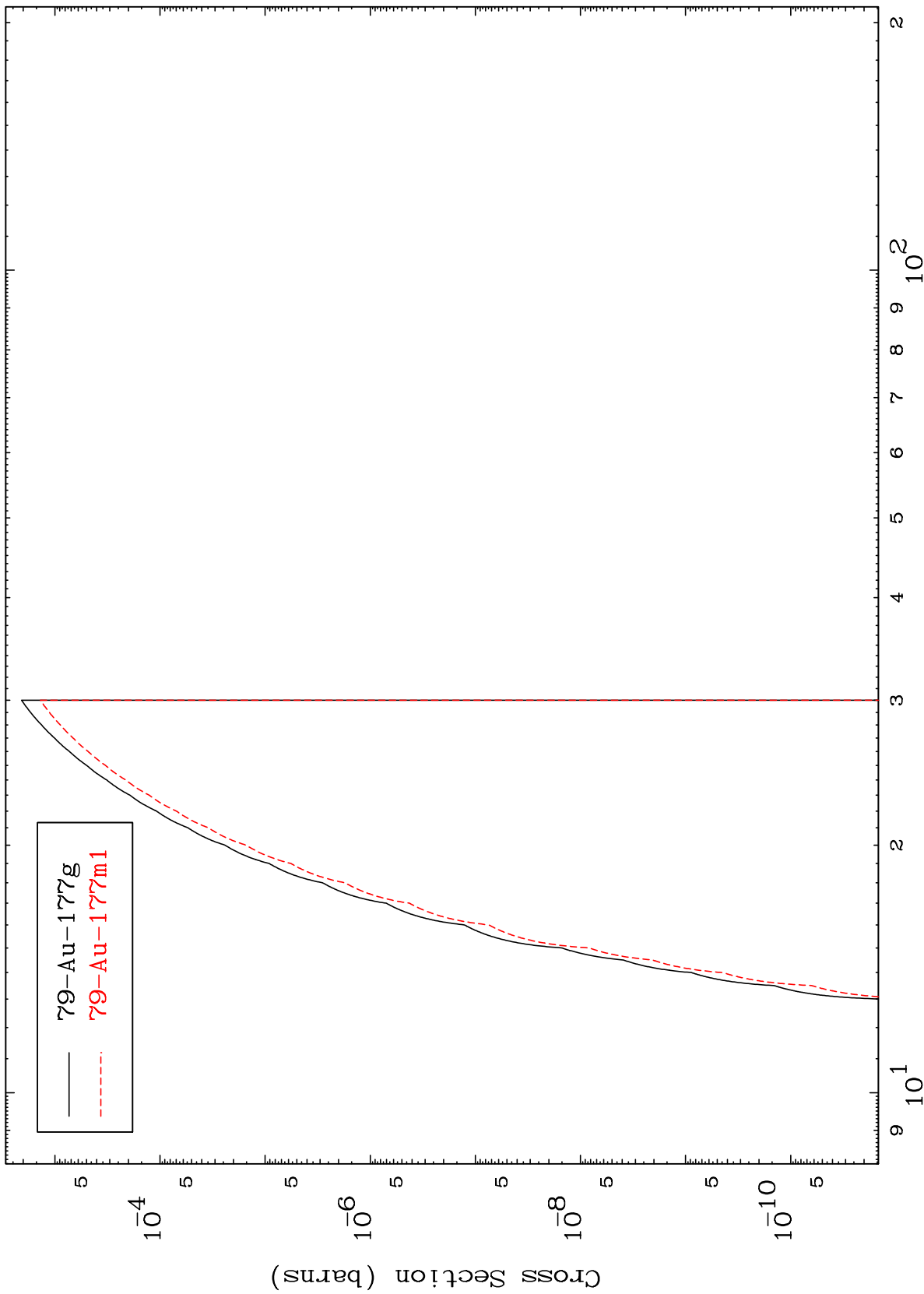
80-Hg-179

MAT 7974

(n,n') d

80-Hg-179

Radionuclide Production Cross Section



52

Incident Energy (MeV)

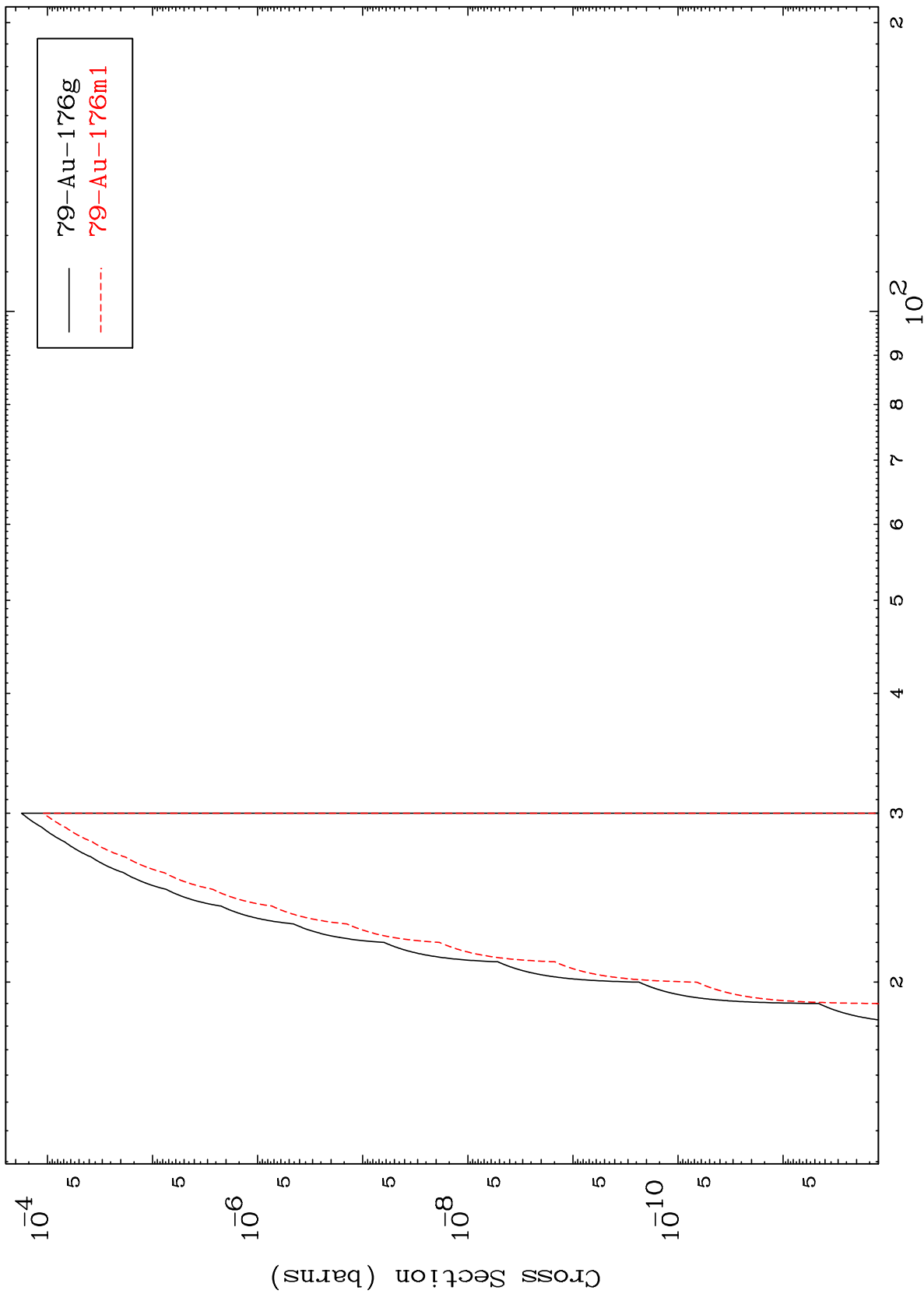
80-Hg-179

MAT 7974

(n,n') t

80-Hg-179

Radionuclide Production Cross Section

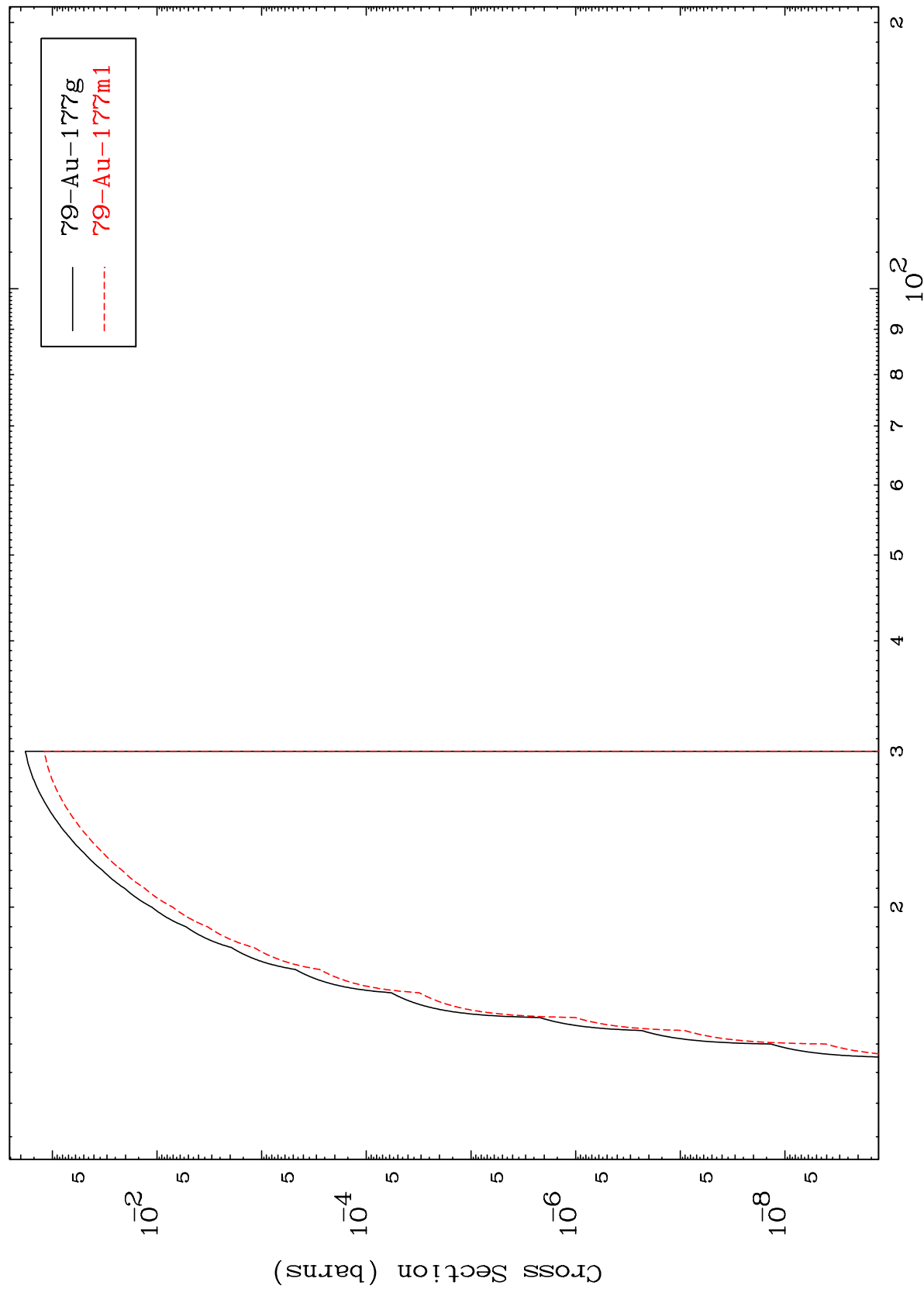


53

Incident Energy (MeV)

80-Hg-179

Radionuclide Production Cross Section

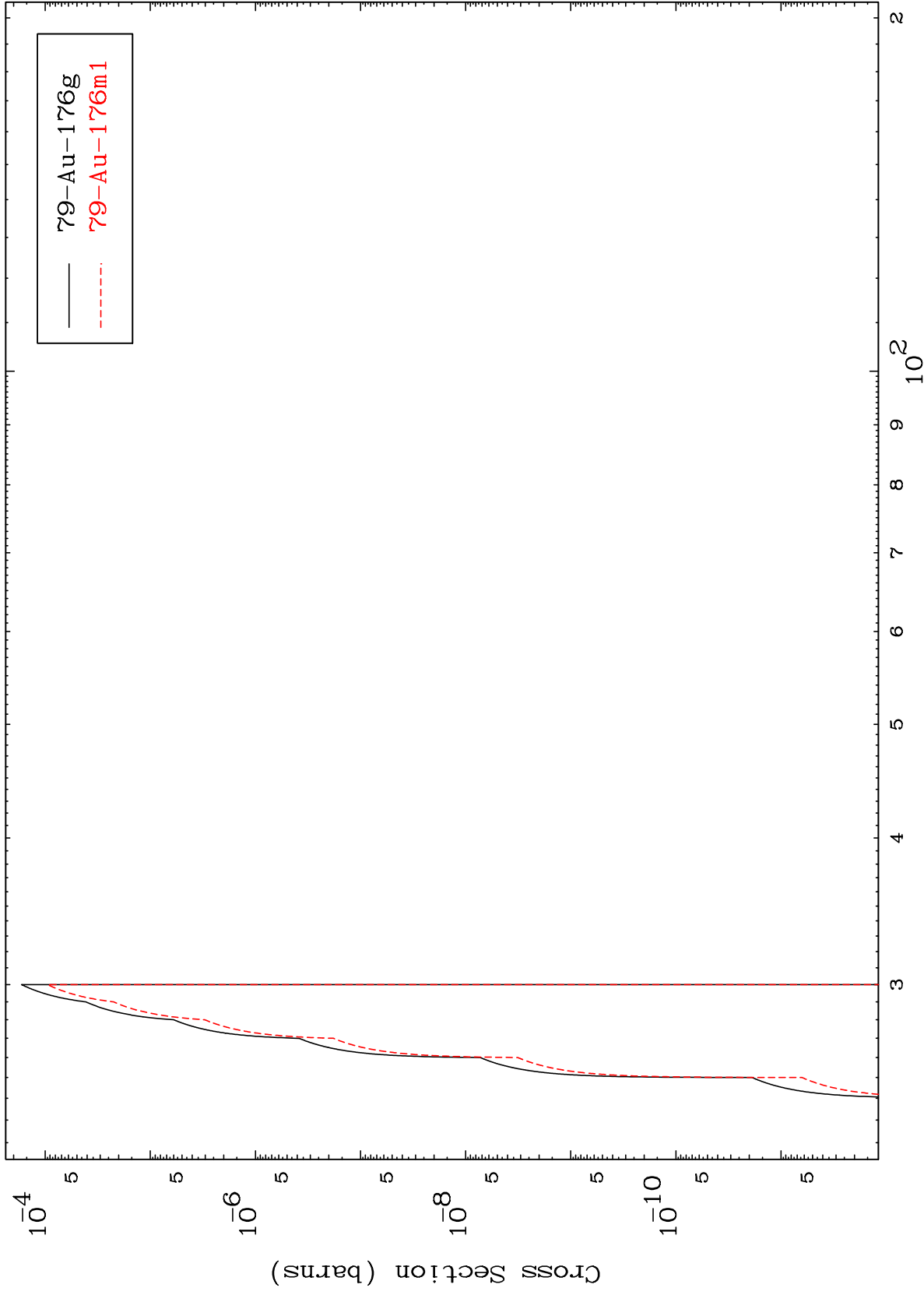


MAT 7974

(n,3n) p

80-Hg-179

Radionuclide Production Cross Section



55

Incident Energy (MeV)

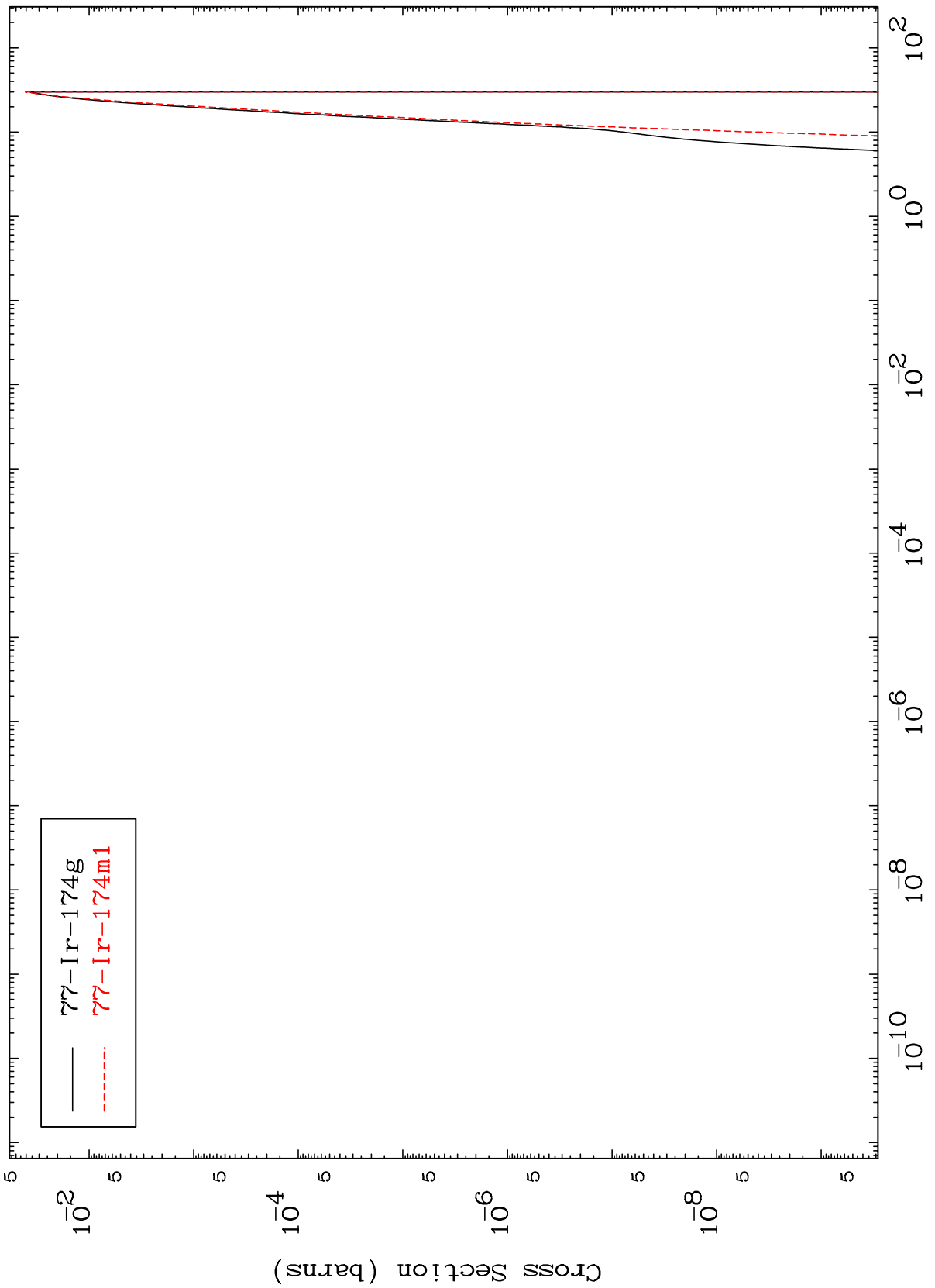
80-Hg-179

MAT 7974

(n,n') p α

80-Hg-179

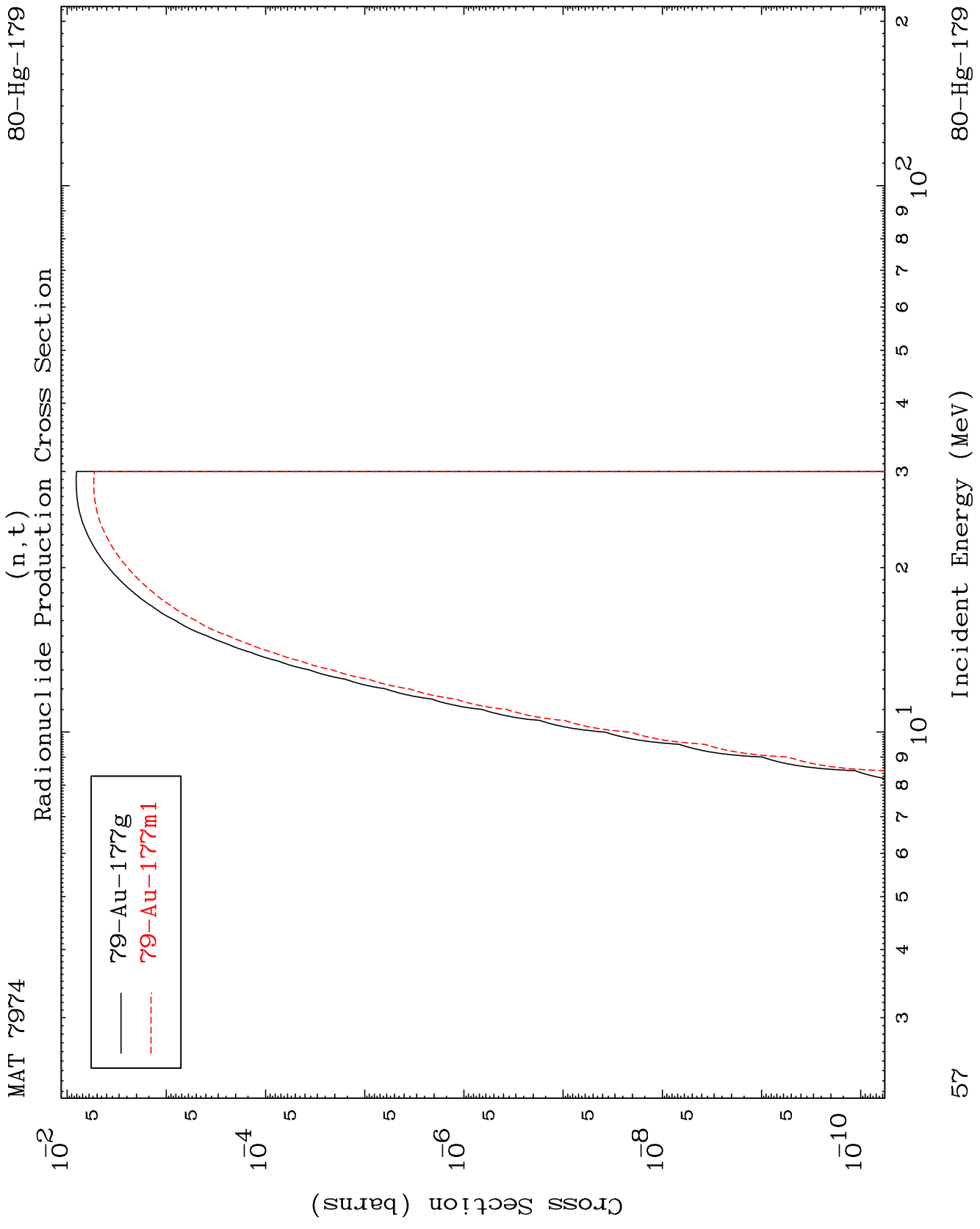
Radionuclide Production Cross Section



56

Incident Energy (MeV)

80-Hg-179

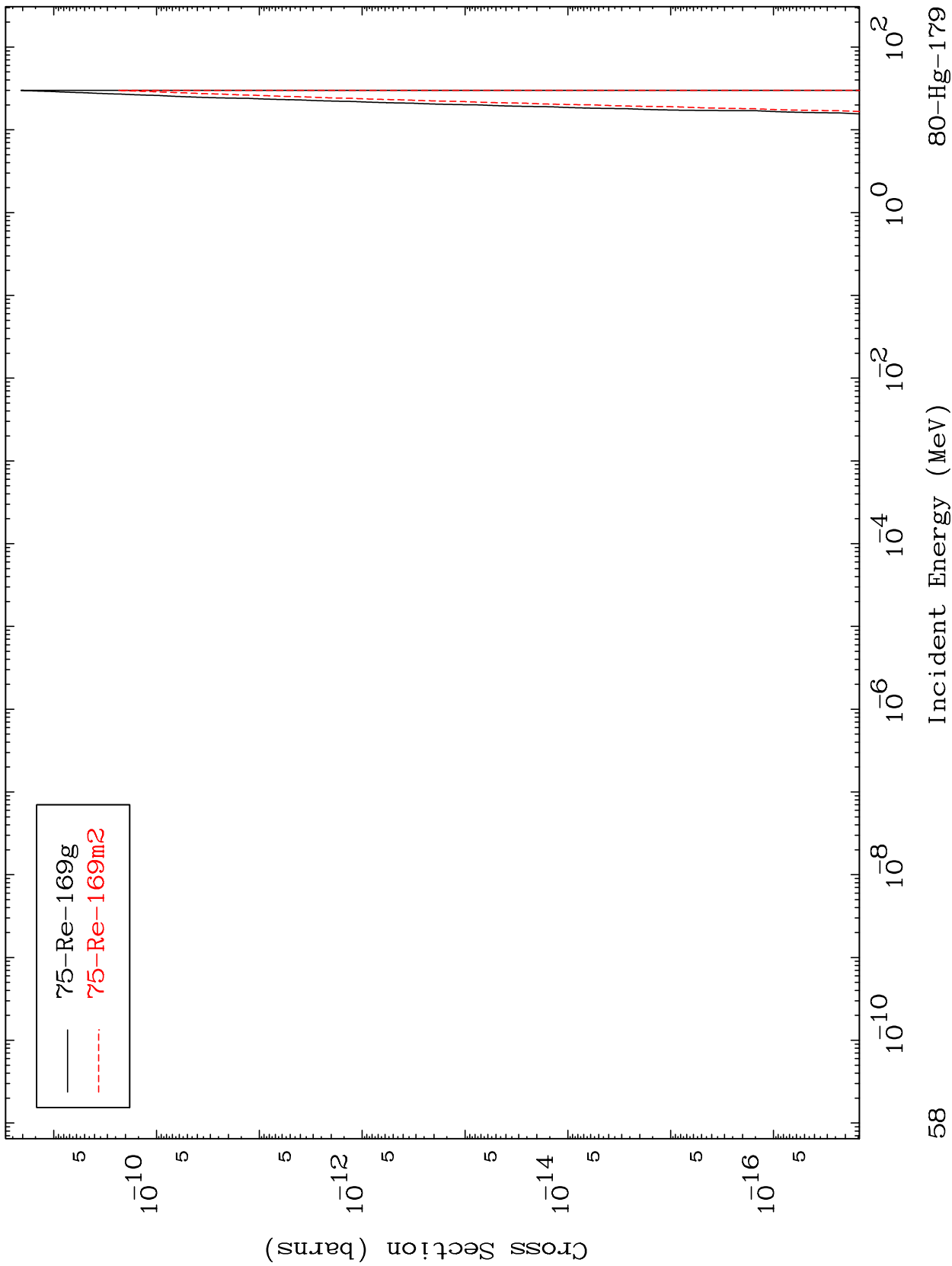


MAT 7974

(n,t) 2 α

80-Hg-179

Radionuclide Production Cross Section

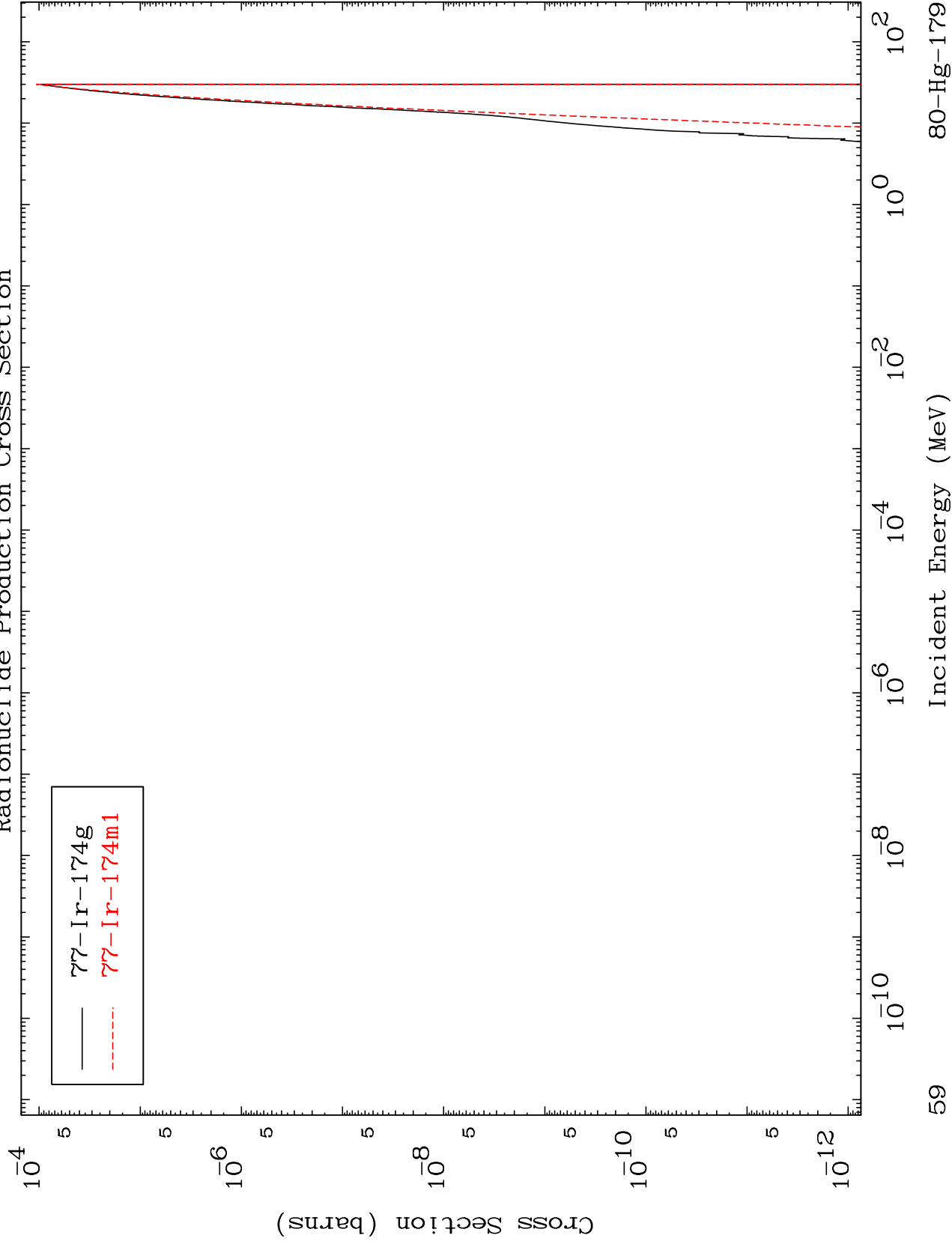


MAT 7974

(n,d) α

80-Hg-179

Radionuclide Production Cross Section



59

Incident Energy (MeV)

80-Hg-179