

Program EVALPLOT
(Version 2021-1)

by

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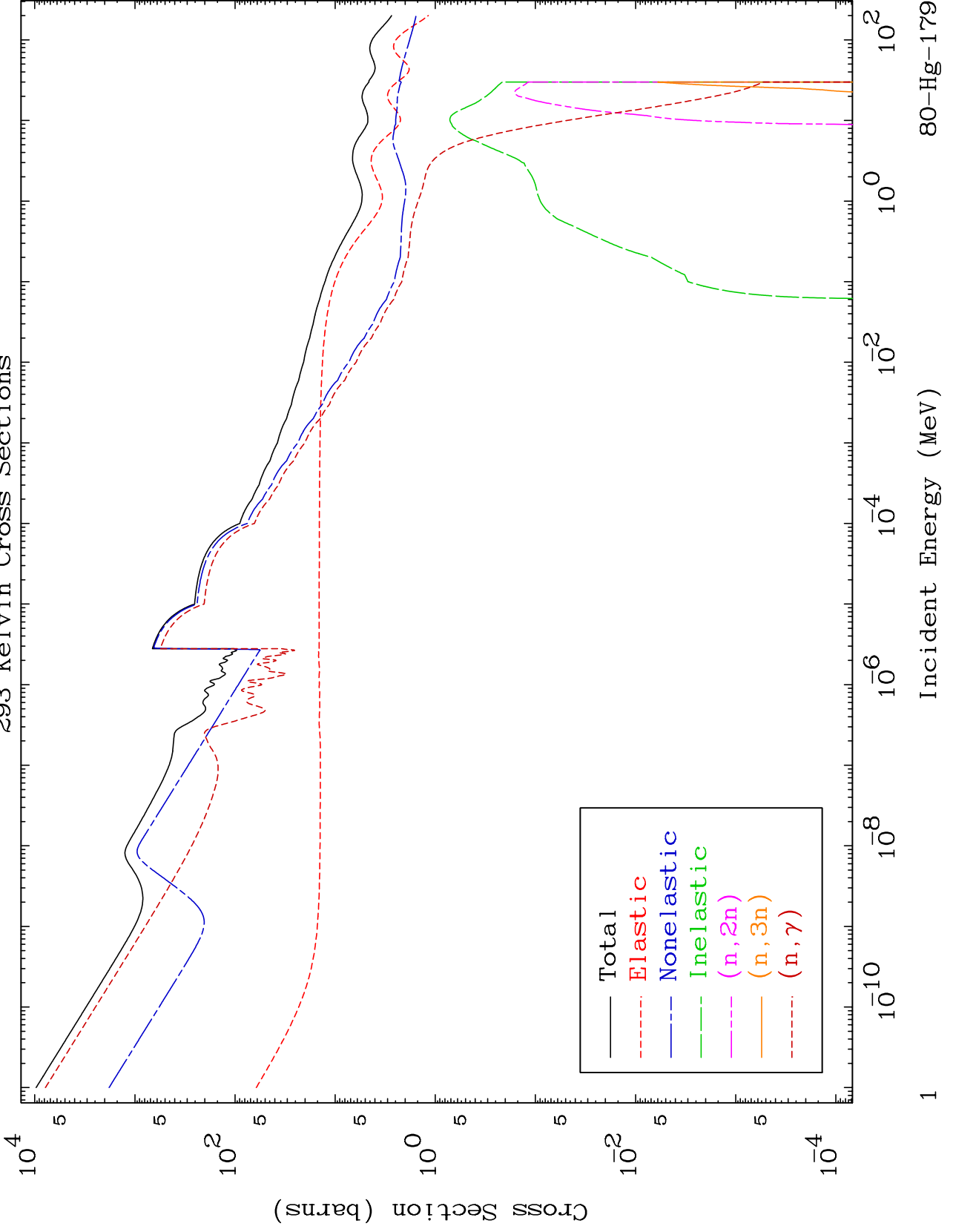
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7974

Neutron Major
293 Kelvin Cross Sections

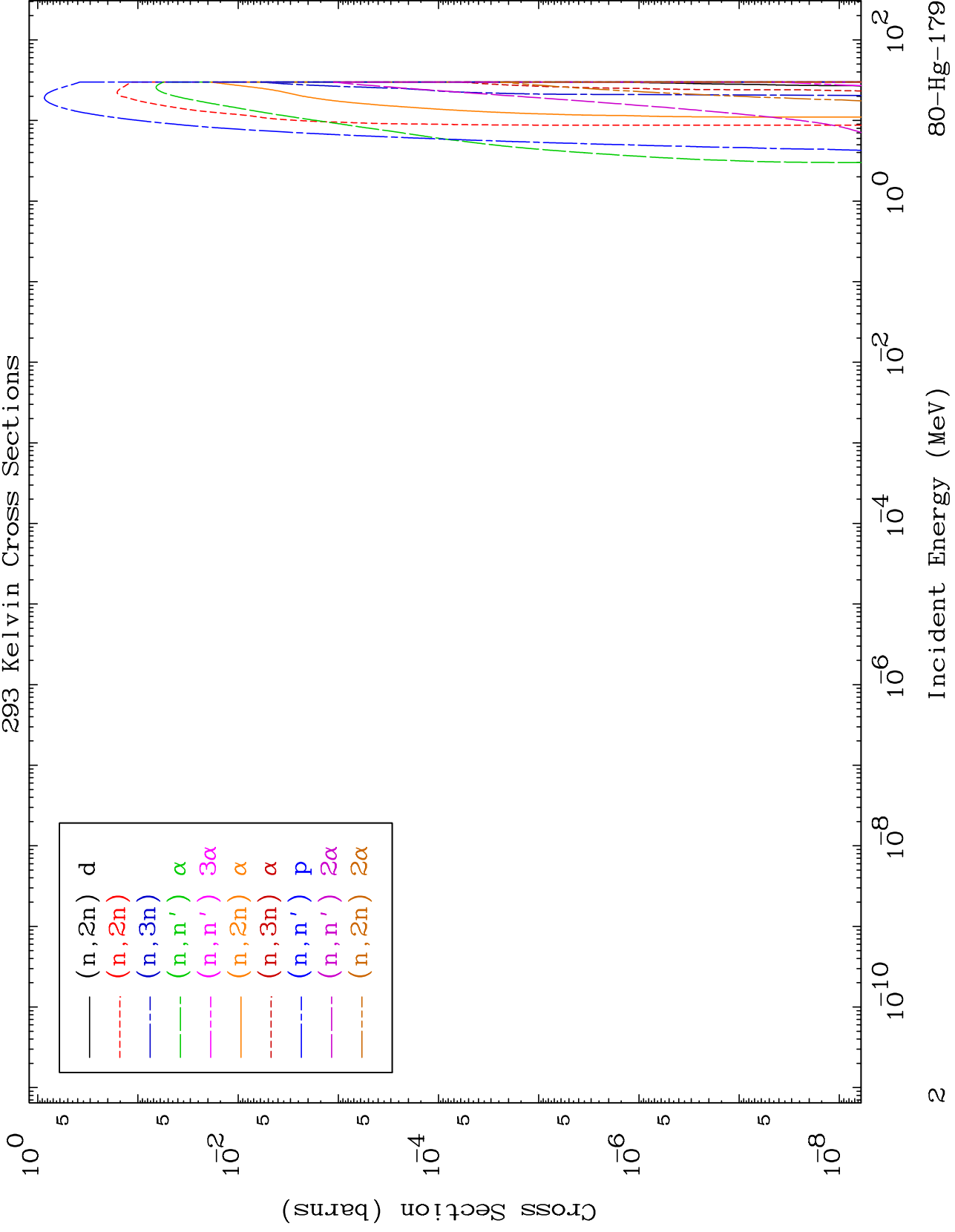
80-Hg-179

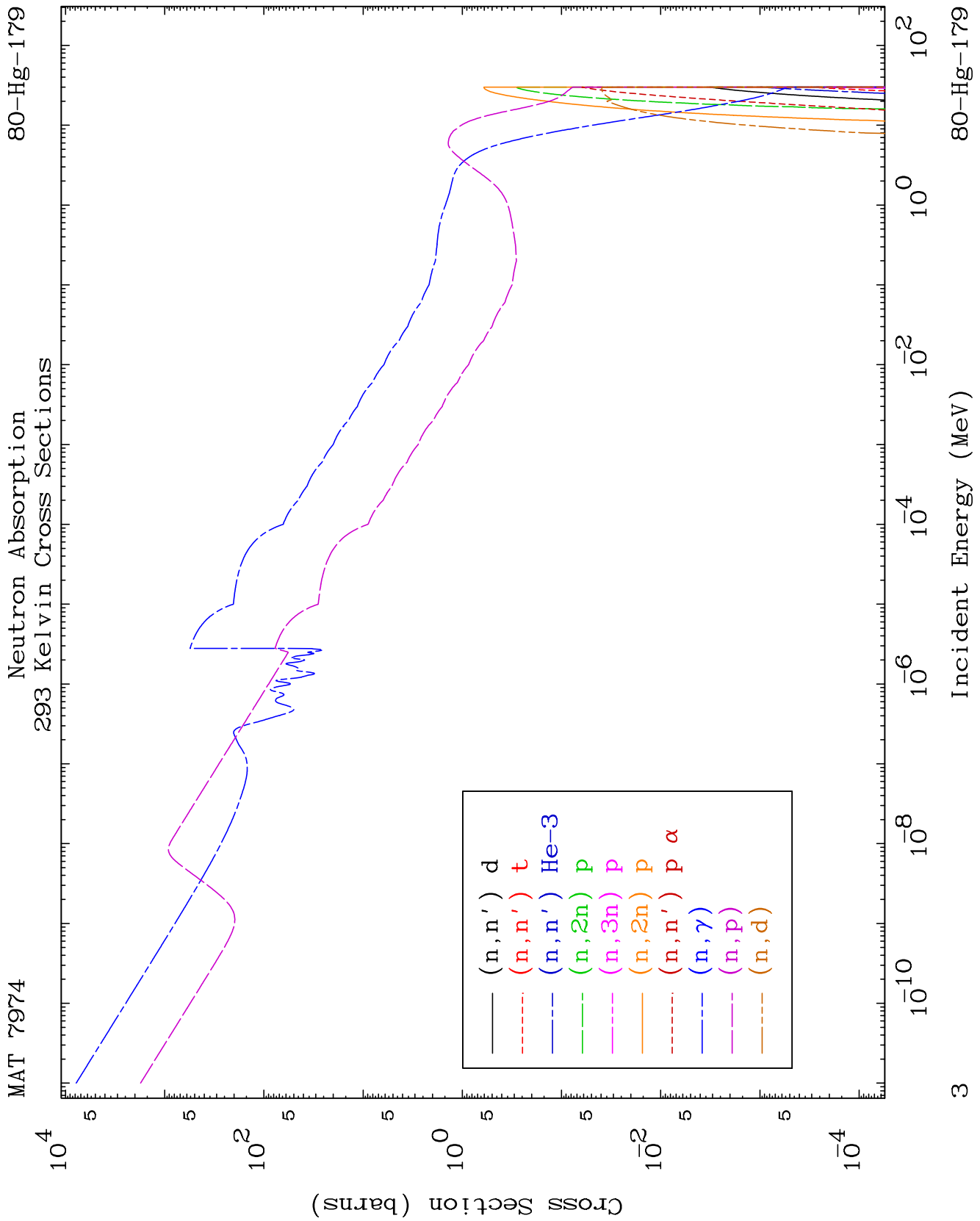


MAT 7974

Neutron Absorption
293 Kelvin Cross Sections

80-Hg-179

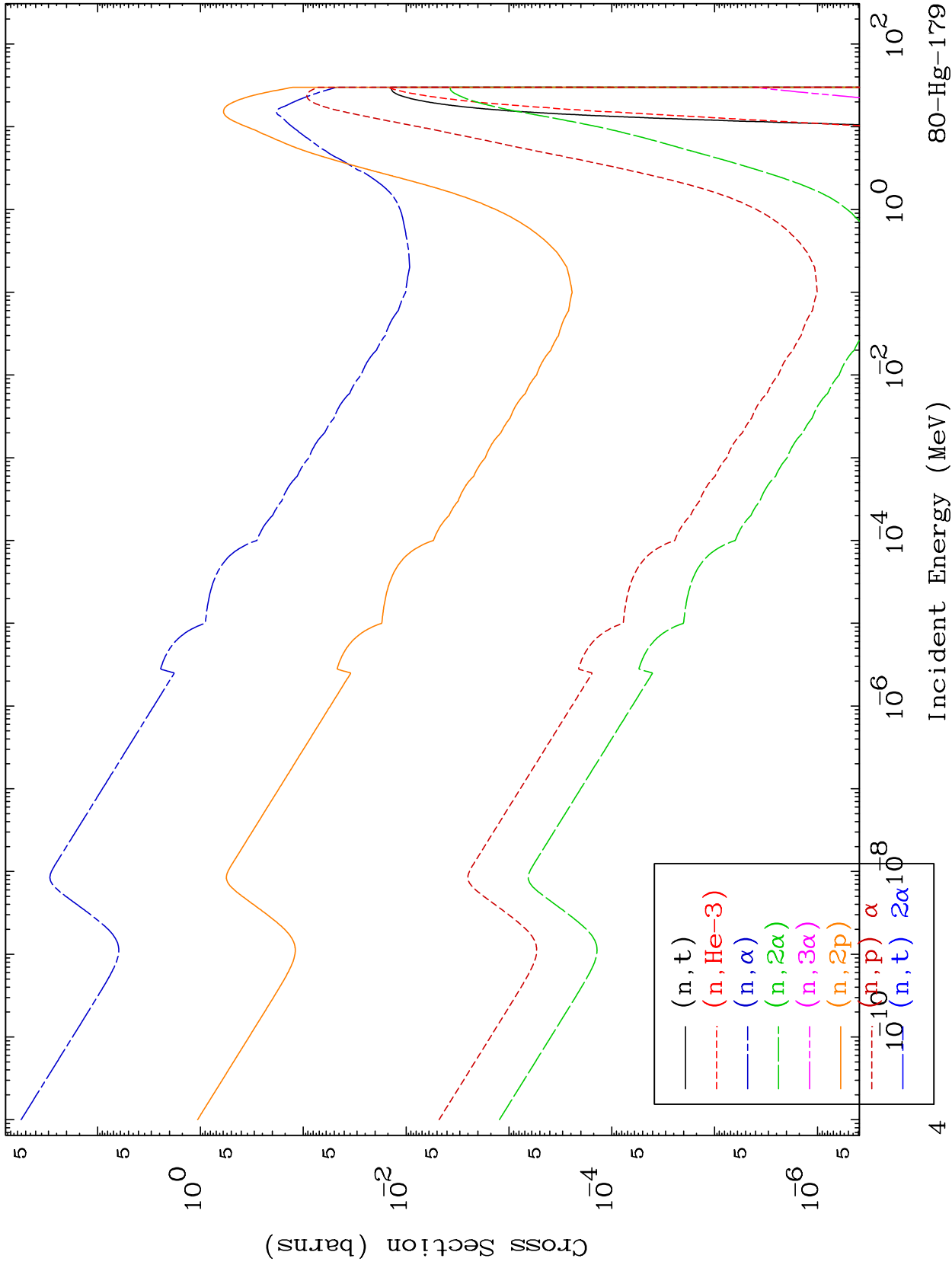


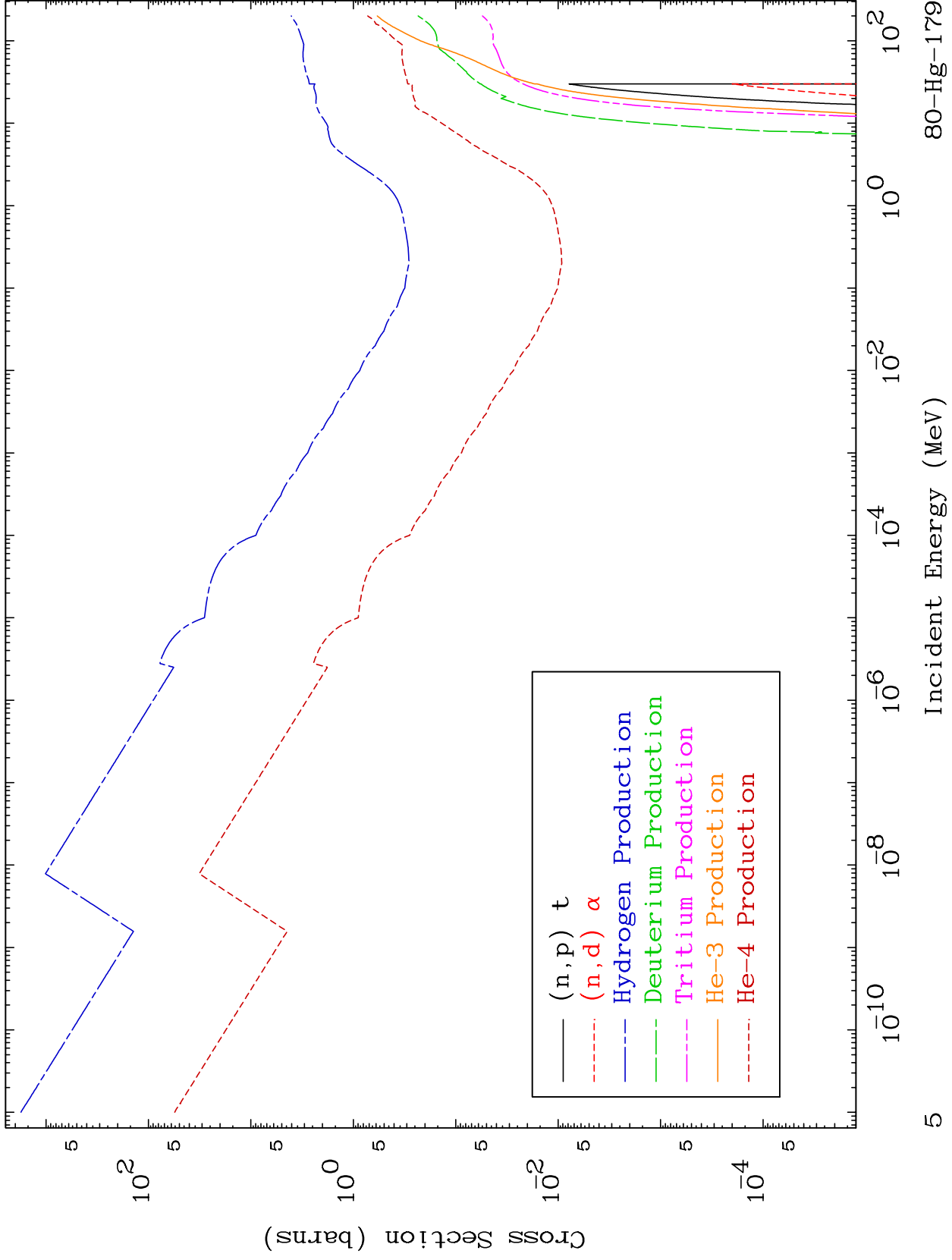


MAT 7974

Neutron Absorption
293 Kelvin Cross Sections

80-Hg-179

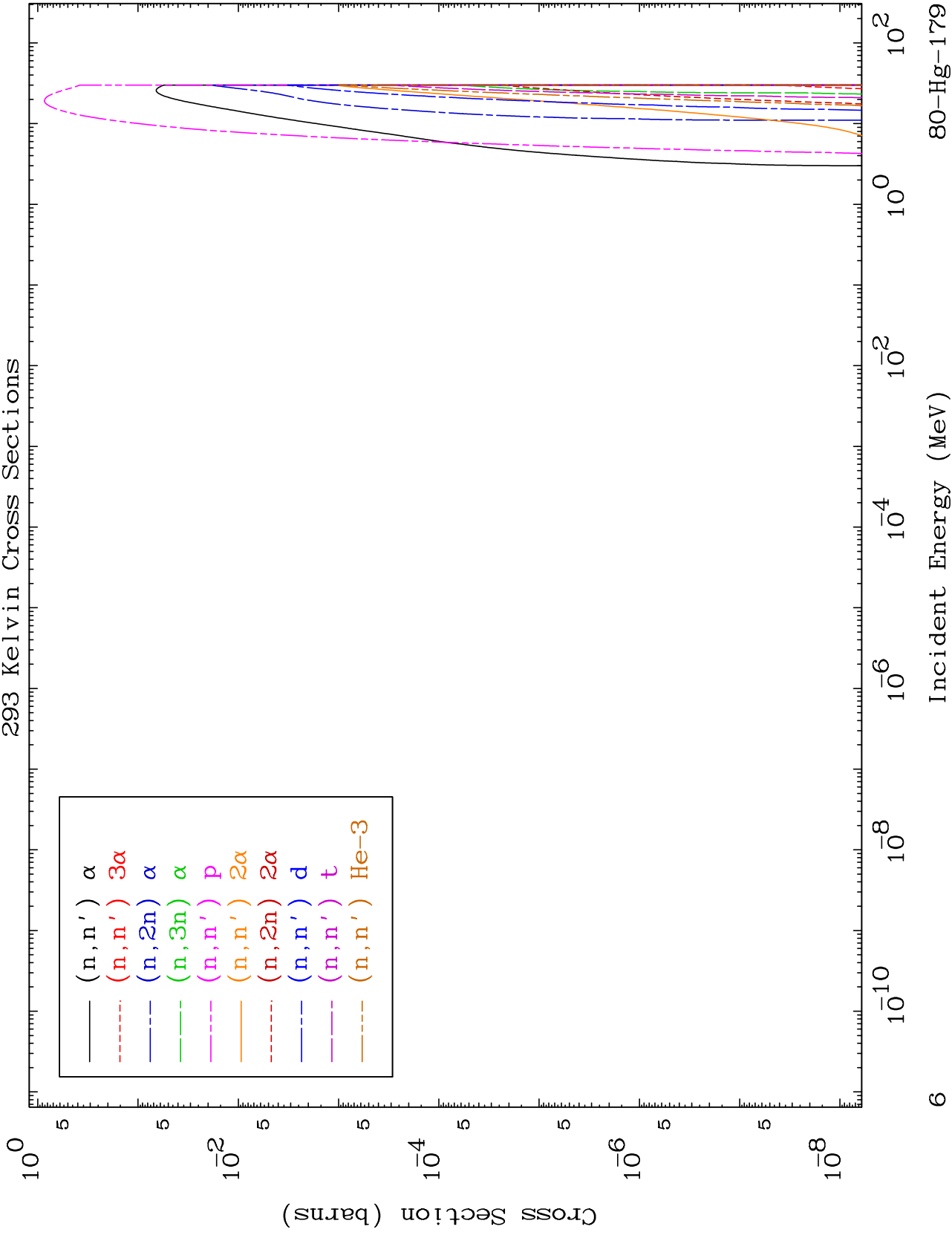




MAT 7974

Charged Particle
293 Kelvin Cross Sections

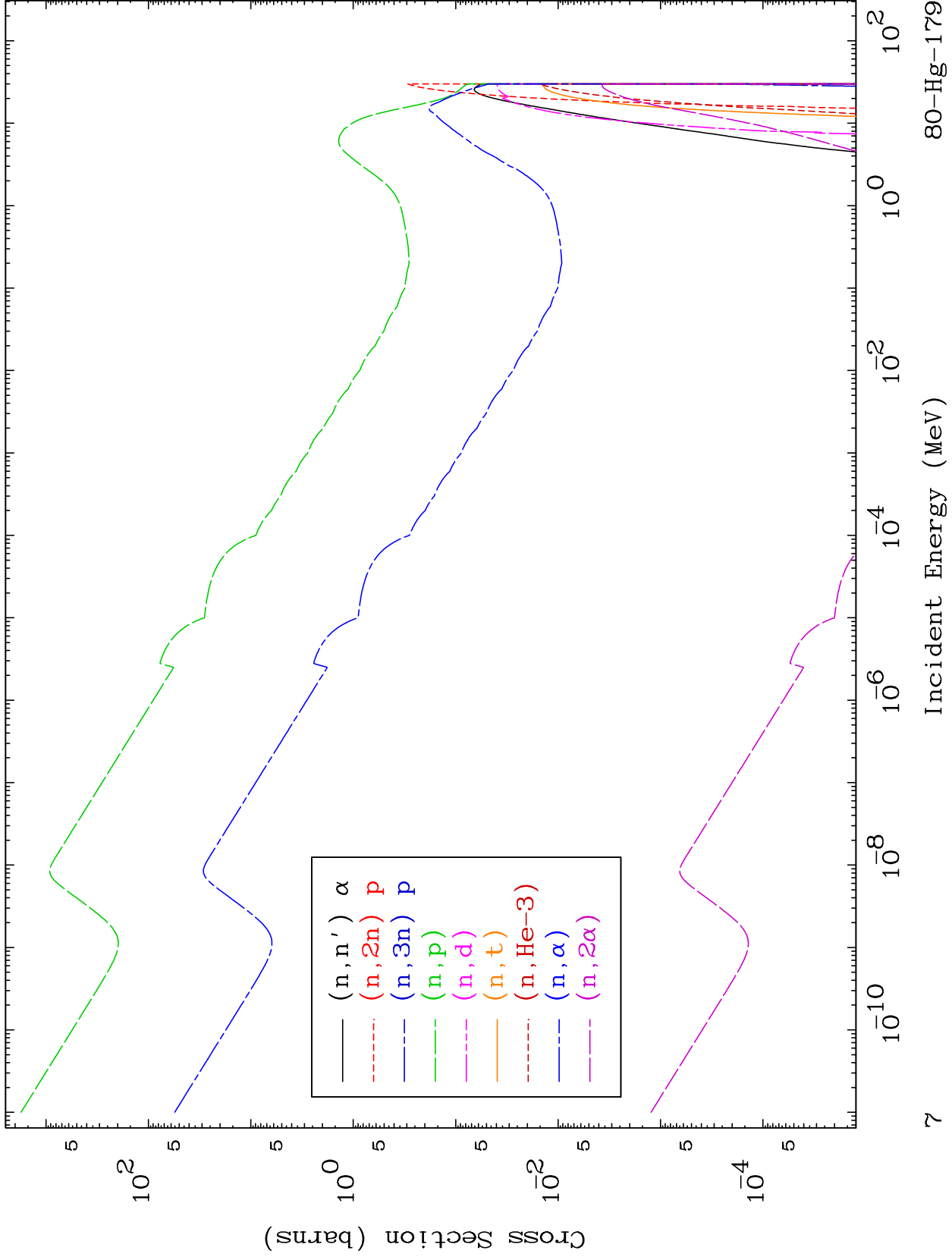
80-Hg-179



MAT 7974

Charged Particle
293 Kelvin Cross Sections

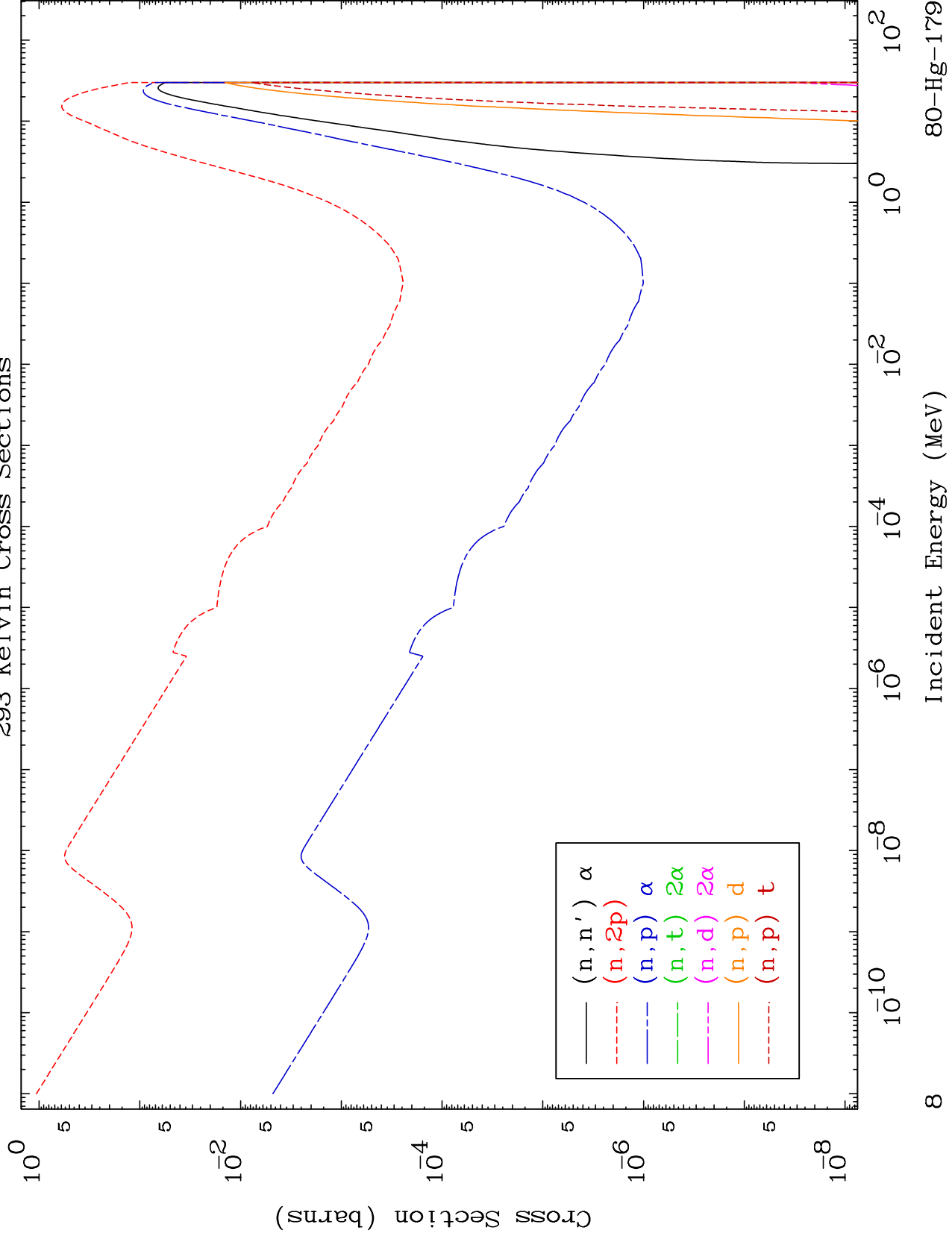
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MAT 7974

Charged Particle
293 Kelvin Cross Sections

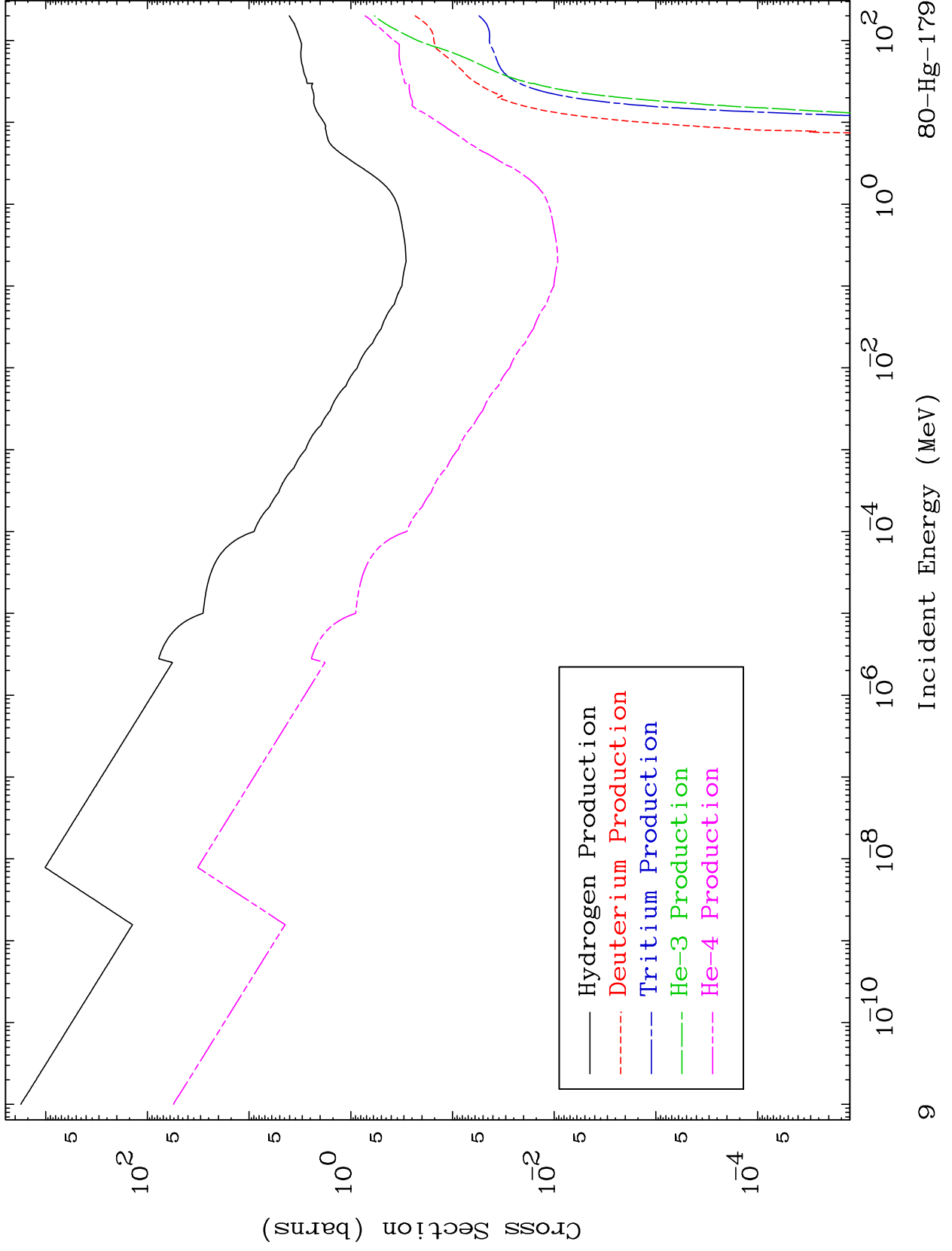
80-Hg-179



MAT 7974

Particle Production
293 Kelvin Cross Sections

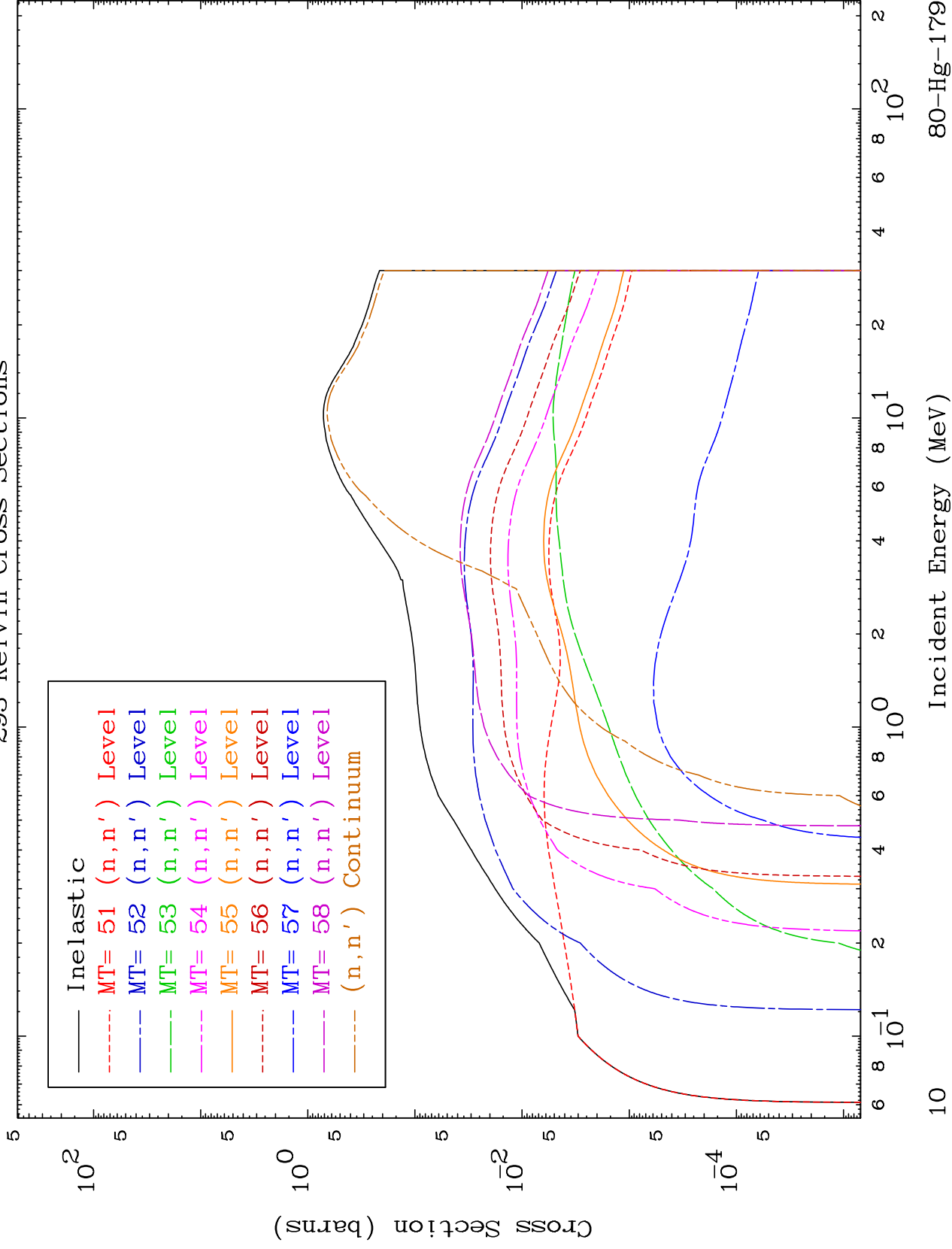
80-Hg-179



MAT 7974

(n,n') Levels
293 Kelvin Cross Sections

80-Hg-179



10

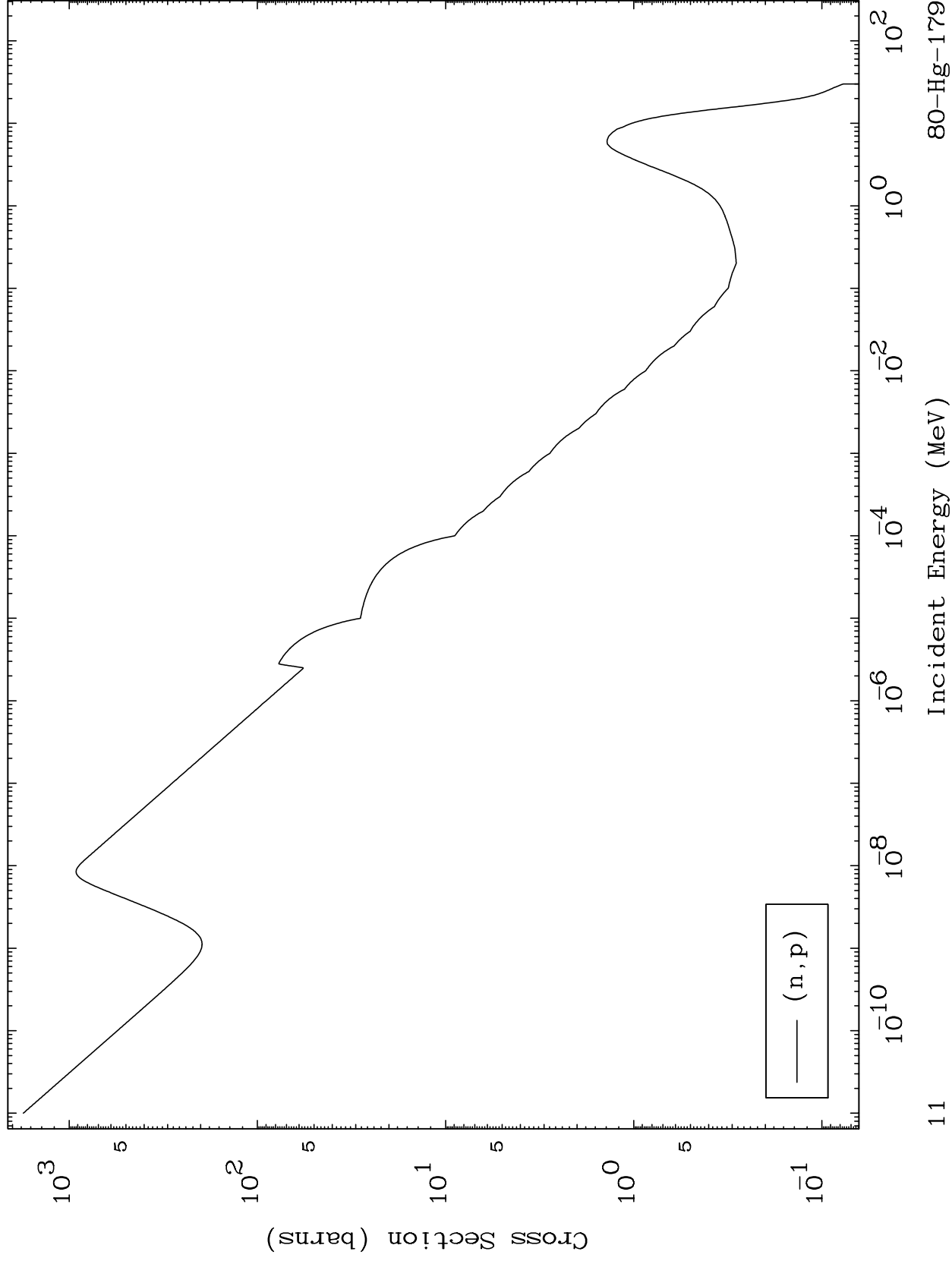
Incident Energy (MeV)

80-Hg-179

MAT 7974

(n,p) Levels
293 Kelvin Cross Sections

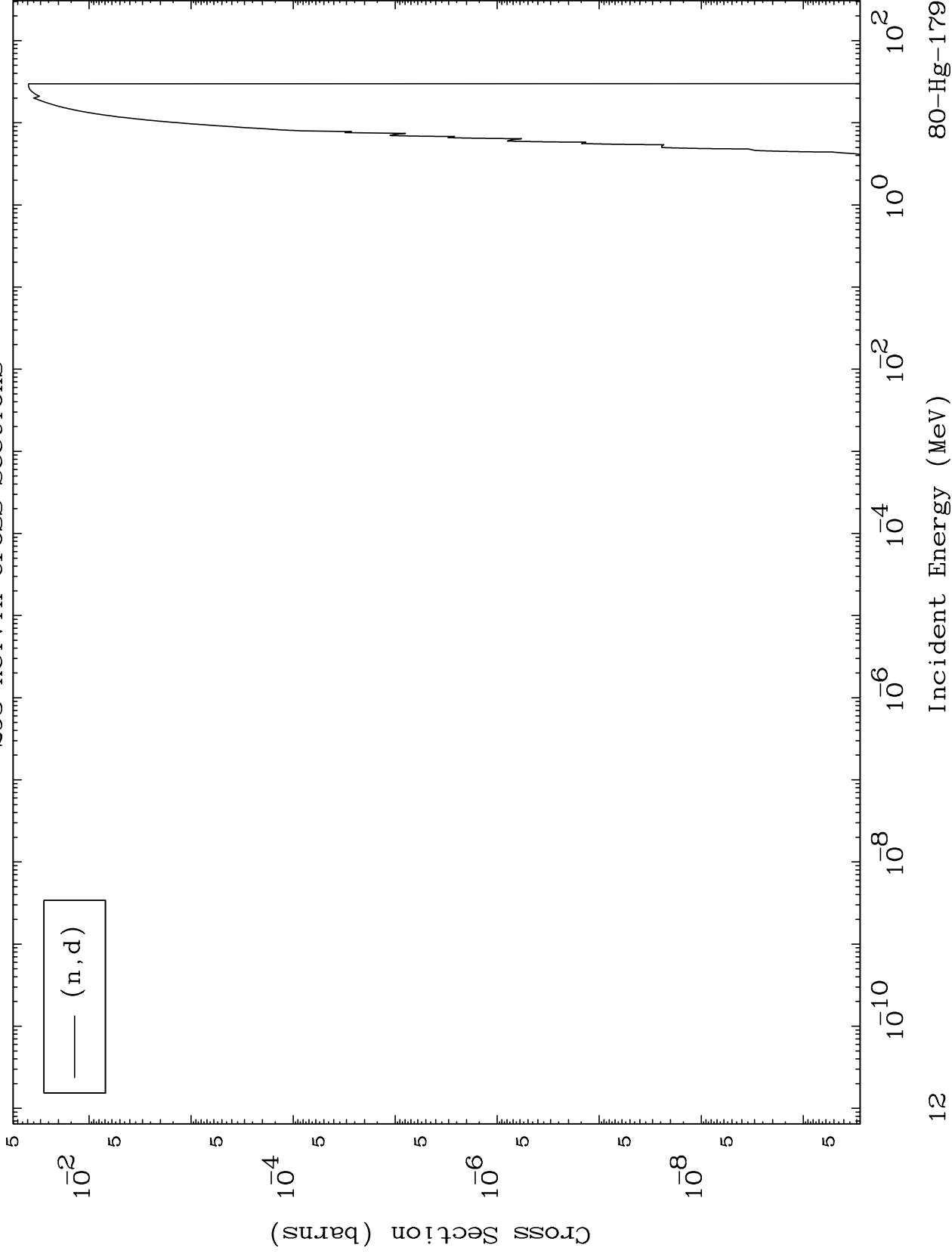
80-Hg-179



MAT 7974

(n,d) Levels
293 Kelvin Cross Sections

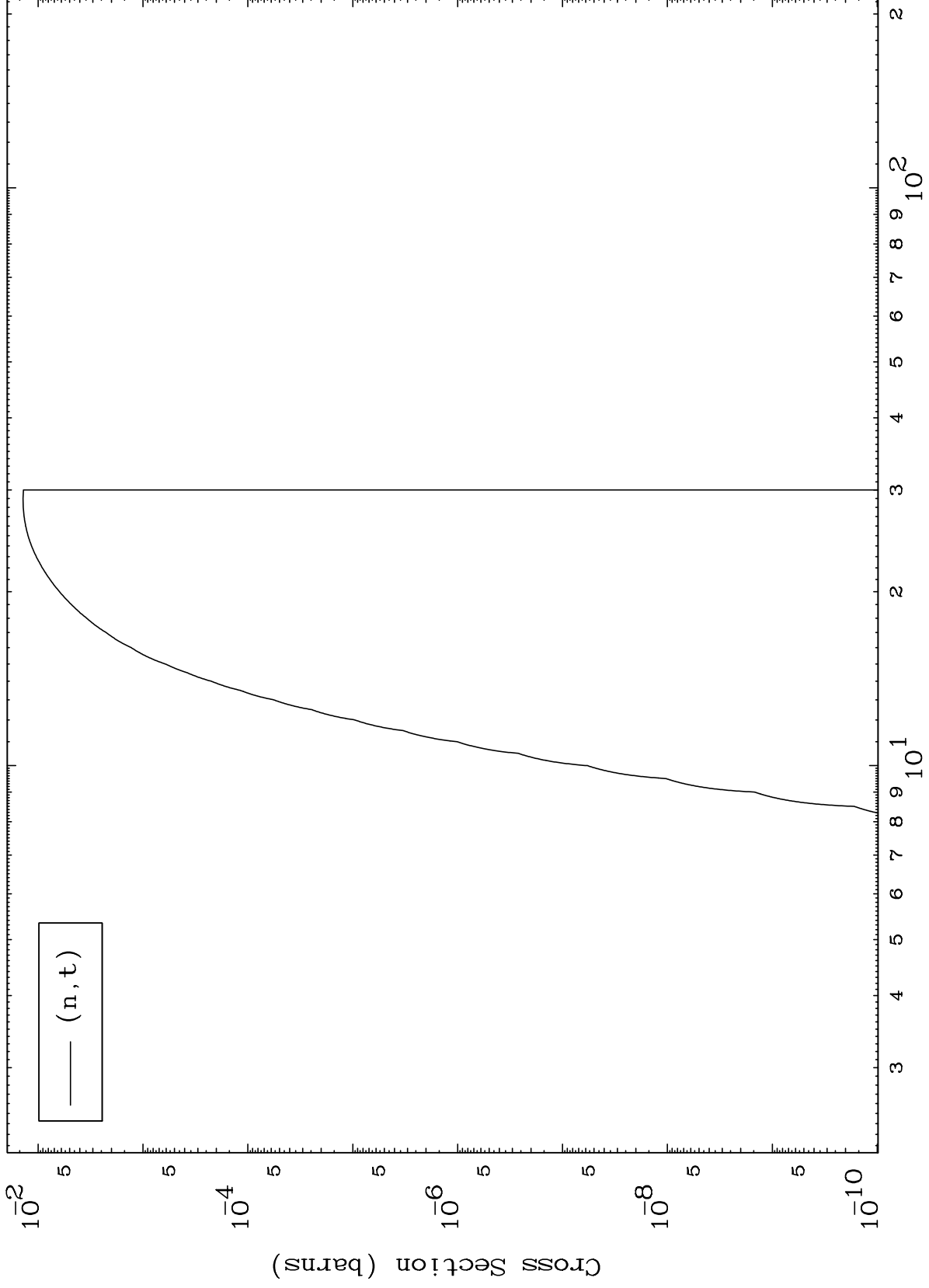
80-Hg-179



MAT 7974

(n,t) Levels
293 Kelvin Cross Sections

80-Hg-179



13

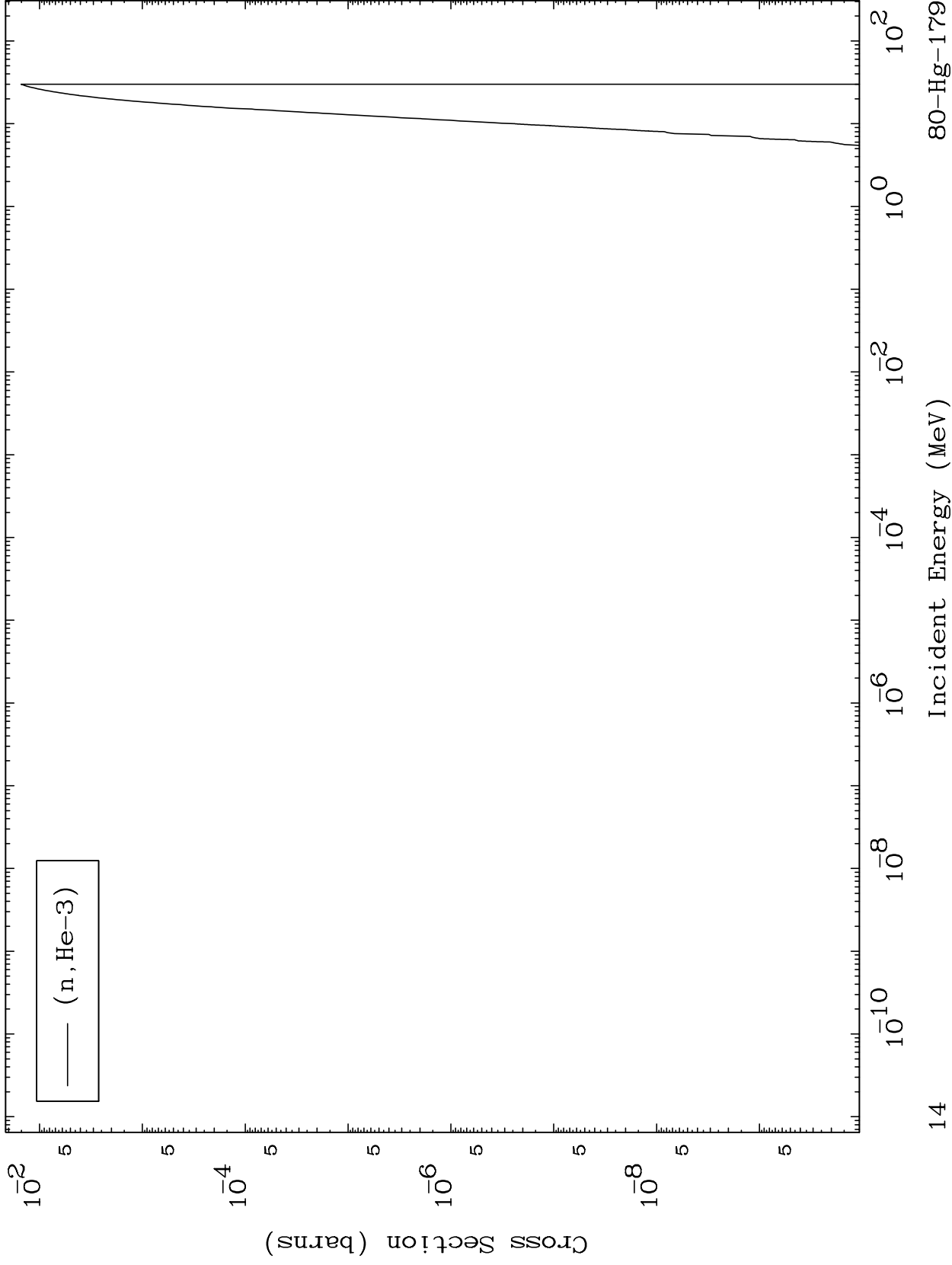
Incident Energy (MeV)

80-Hg-179

MAT 7974

(n,He3) Levels
293 Kelvin Cross Sections

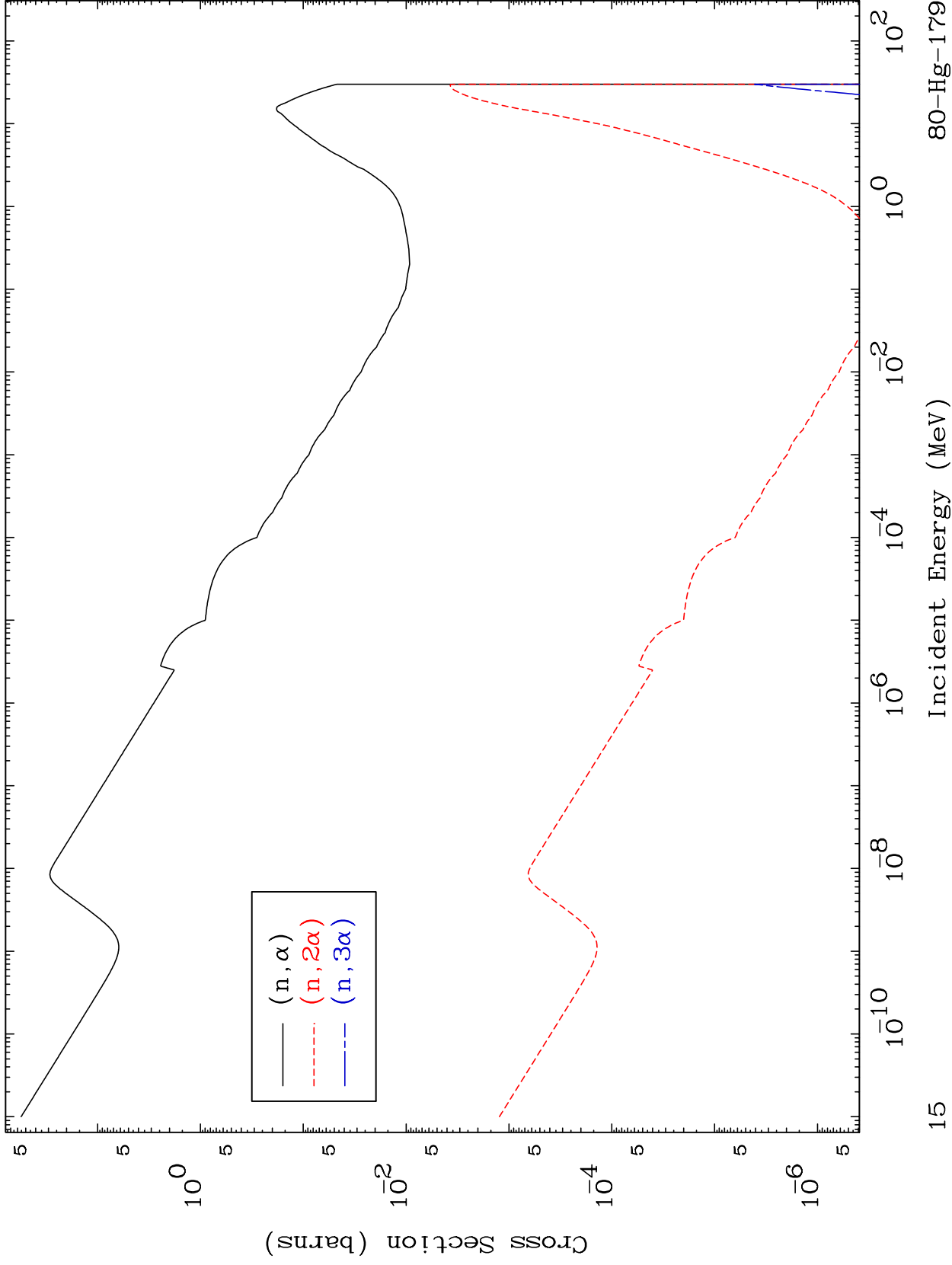
80-Hg-179



MAT 7974

(n,α) Levels
293 Kelvin Cross Sections

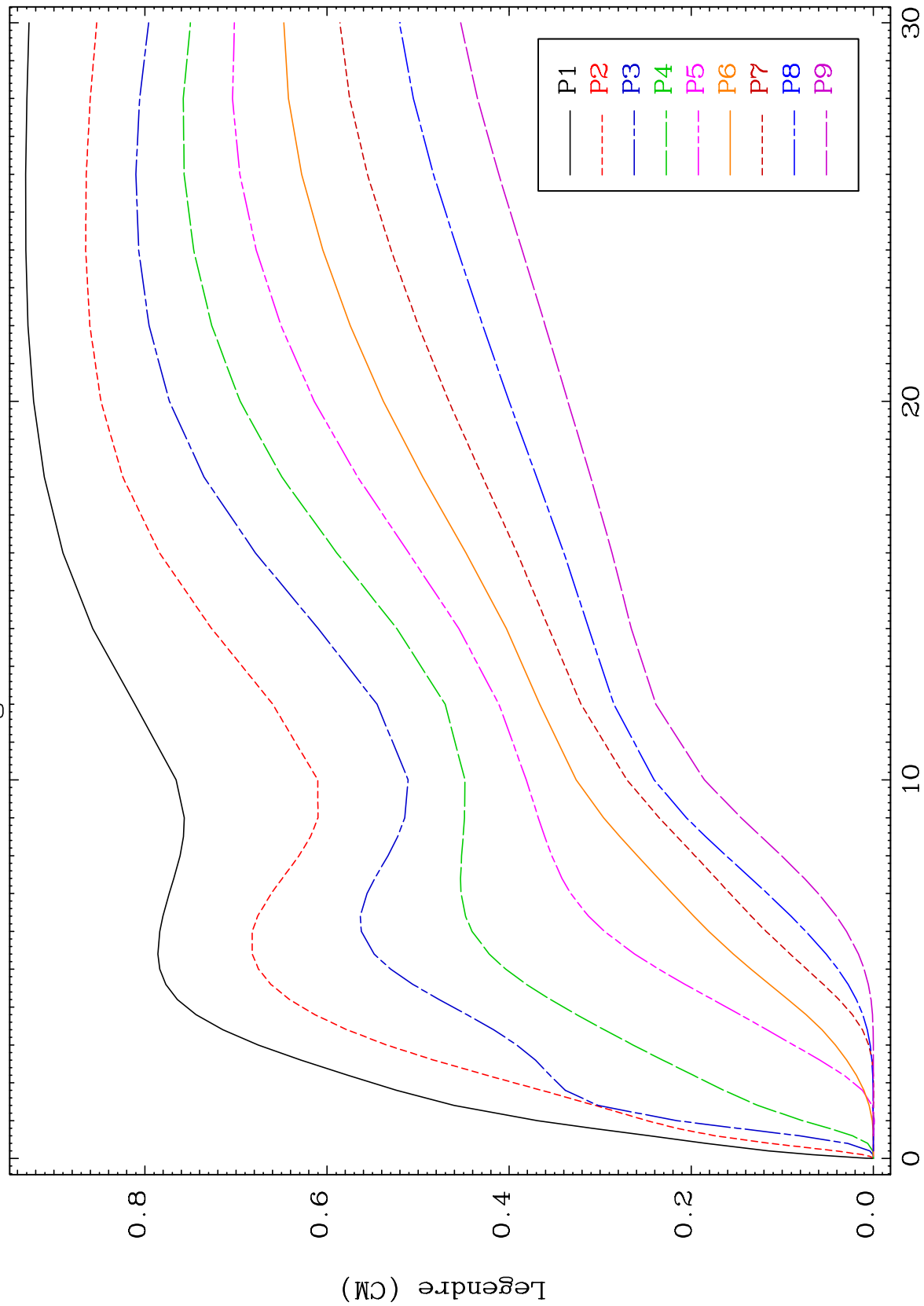
80-Hg-179



MAT 7974

Elastic Legendre Coefficients

80-Hg-179



16

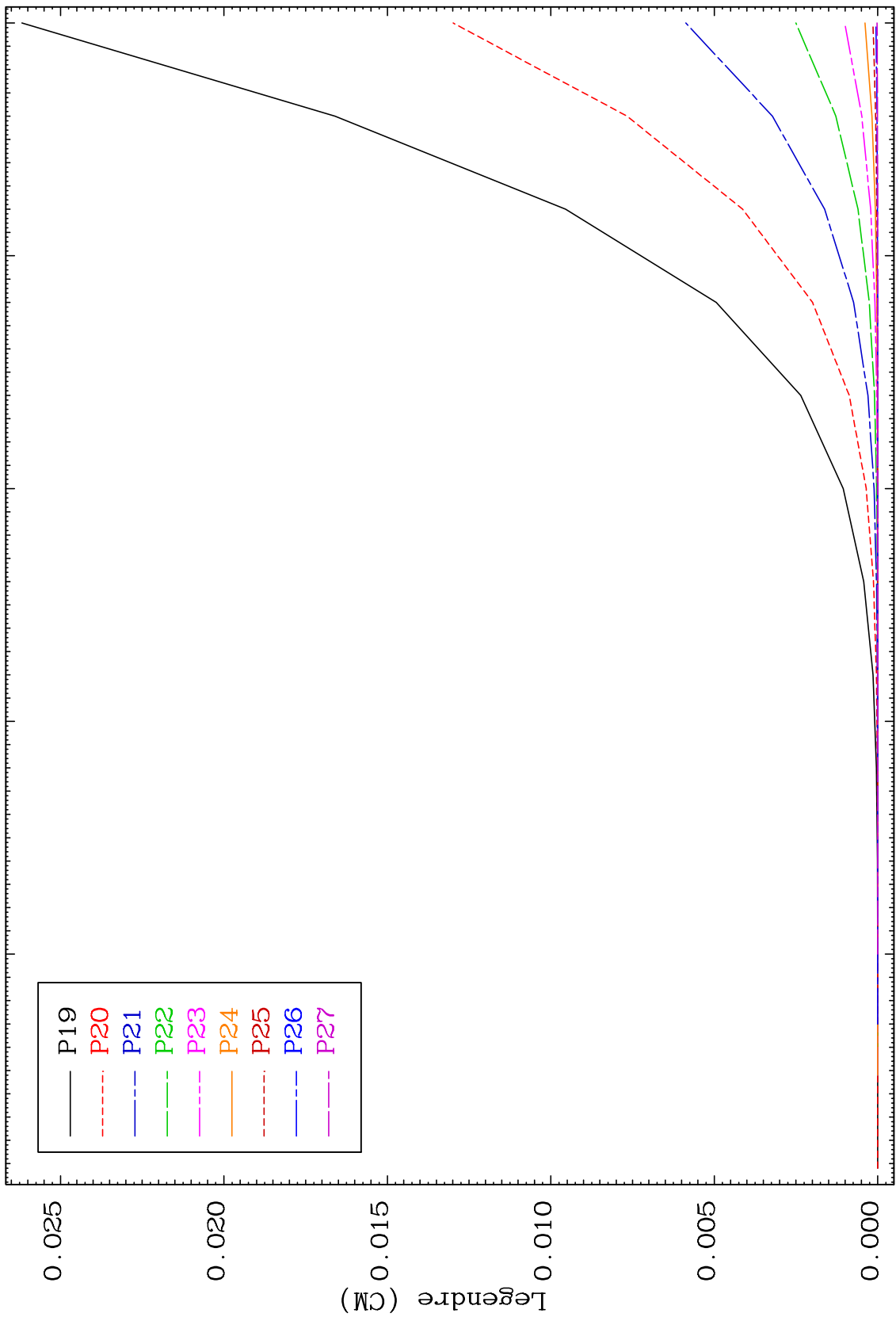
Incident Energy (MeV)

80-Hg-179

MAT 7974

Elastic Legendre Coefficients

80-Hg-179



18

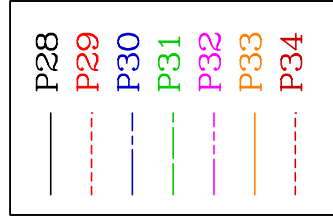
Incident Energy (MeV)

80-Hg-179

MAT 7974

Elastic Legendre Coefficients

80-Hg-179



$\times 10^{-6}$

Legendre (CM)

4

2

0

15

20

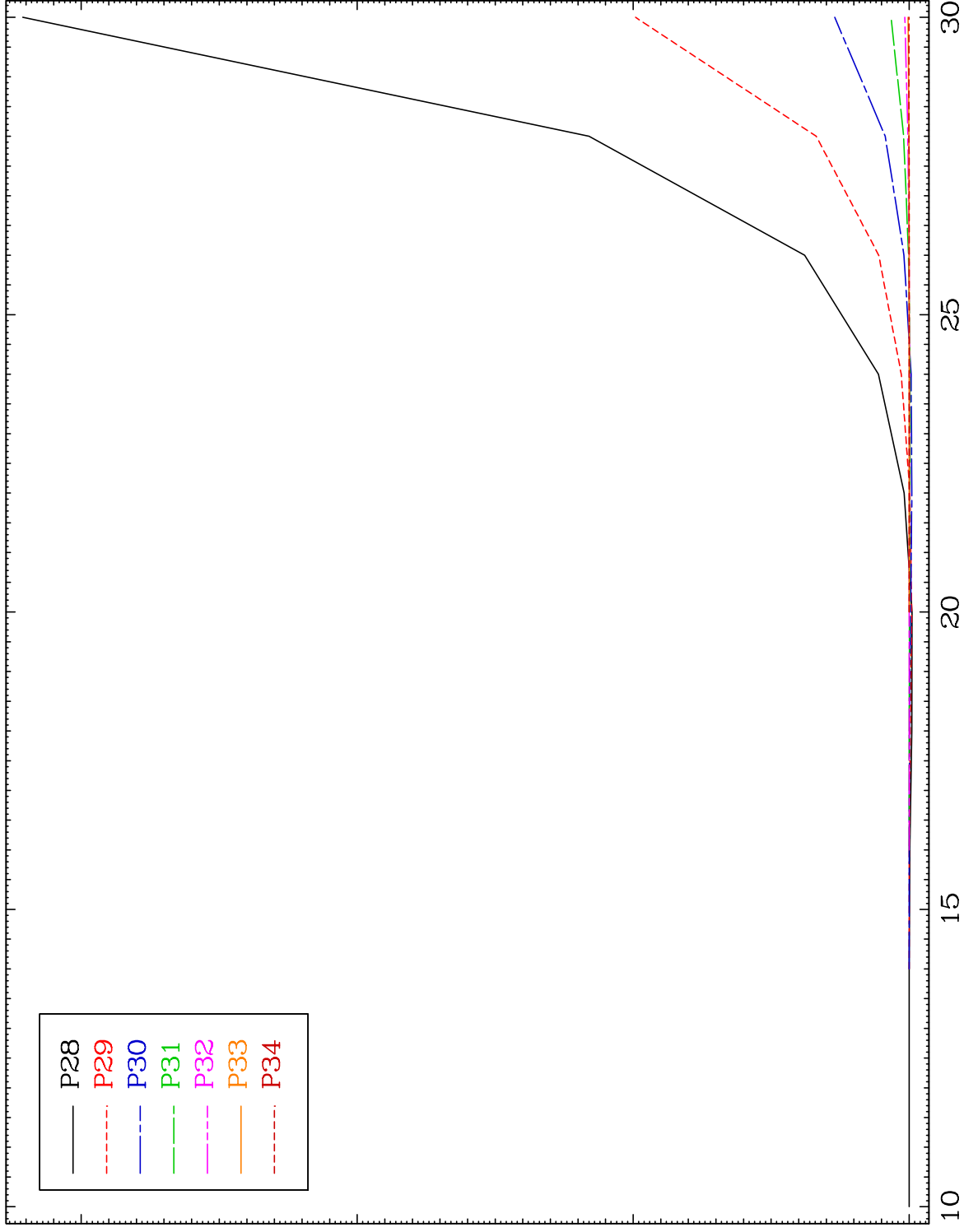
25

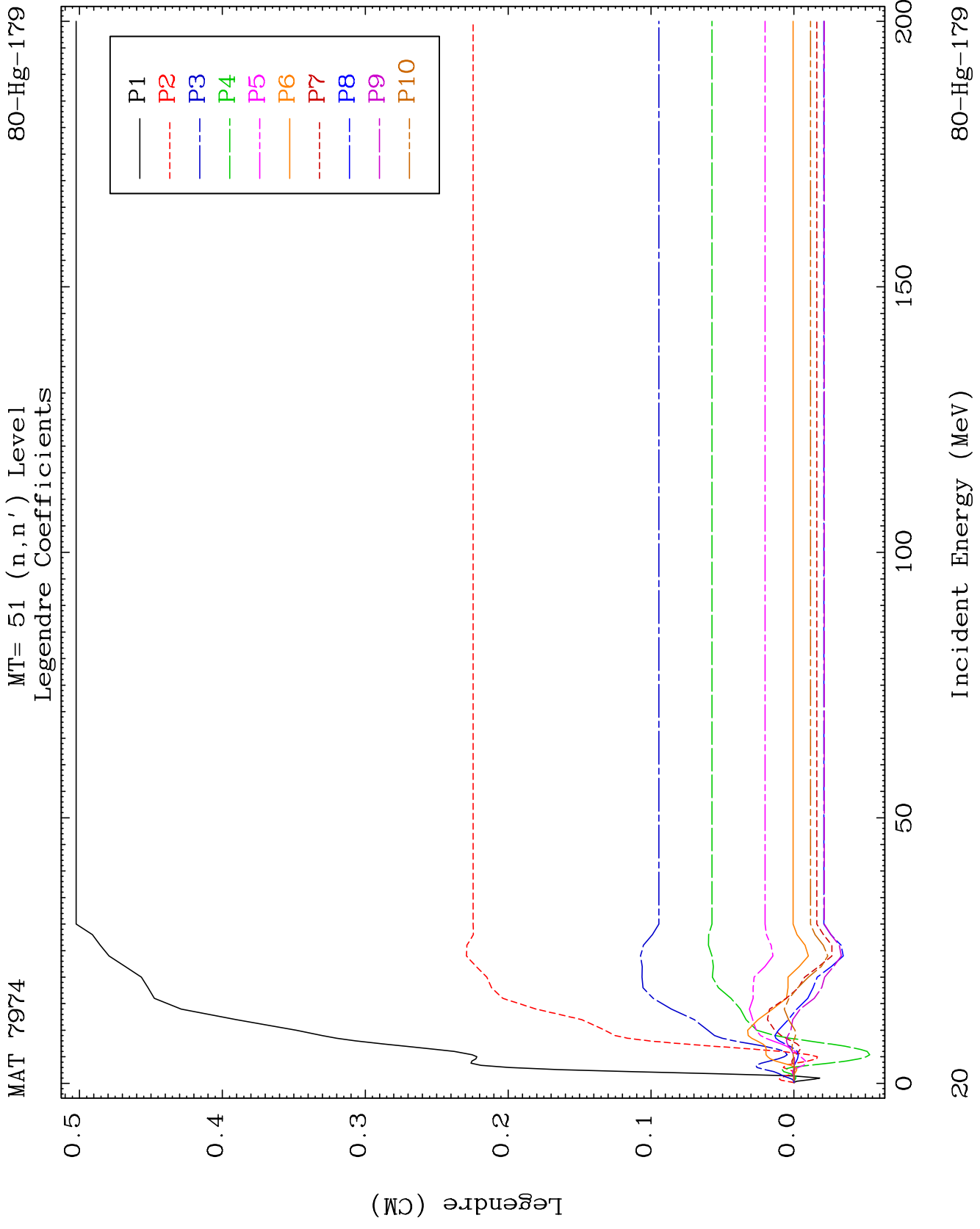
30

19

Incident Energy (MeV)

80-Hg-179

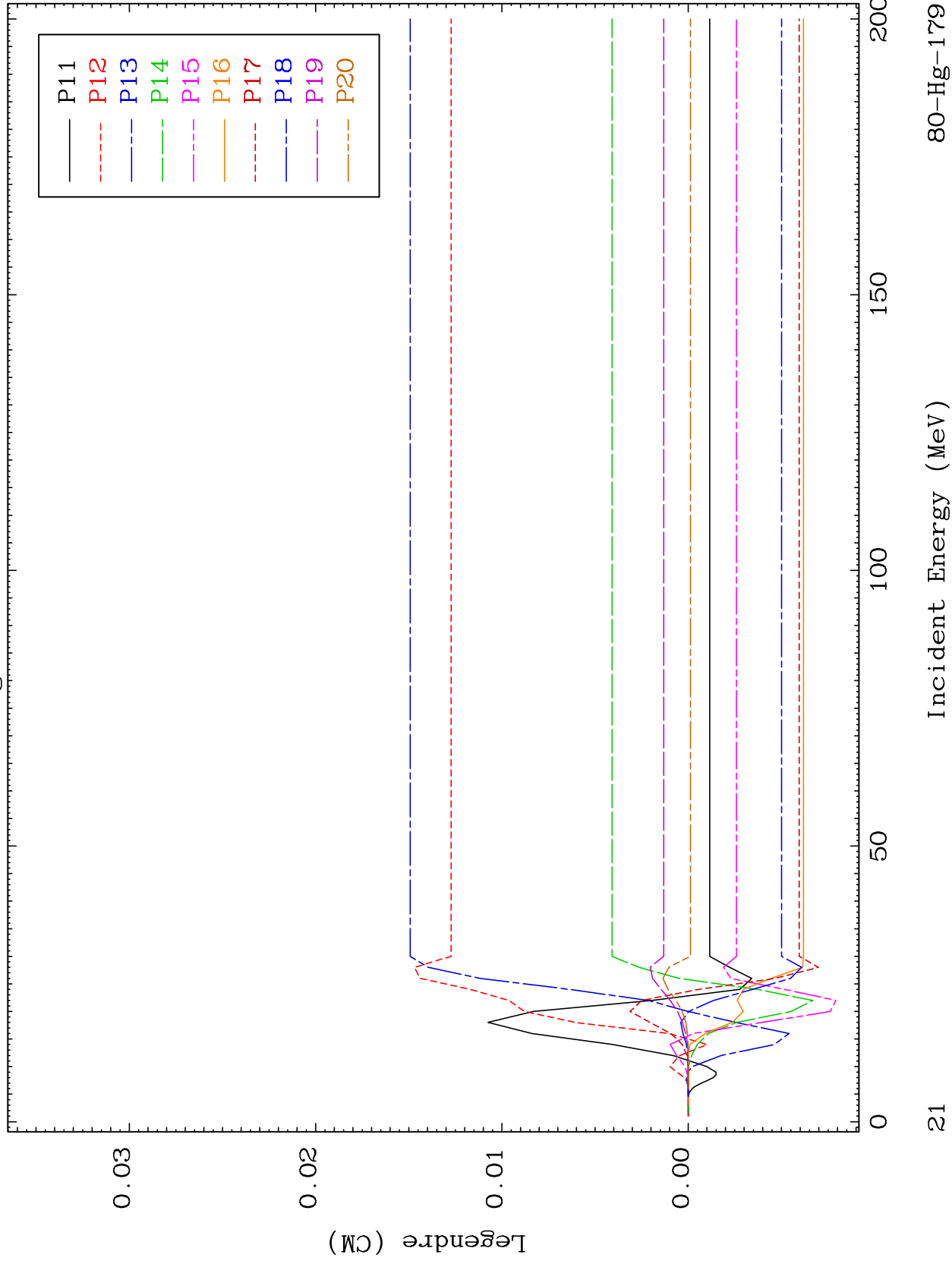




MAT 7974

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

80-Hg-179



21

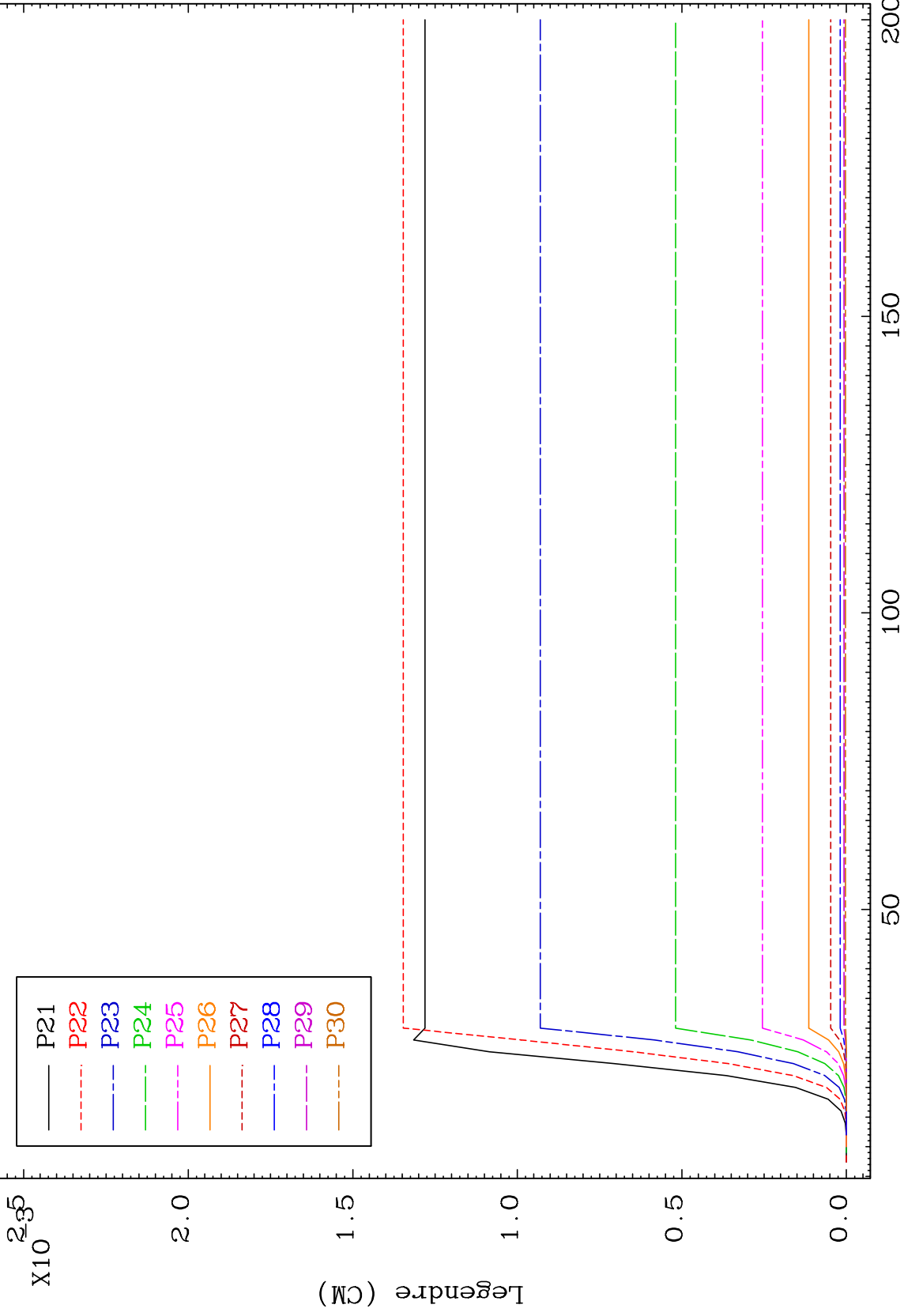
Incident Energy (MeV)

80-Hg-179

MAT 7974

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

80-Hg-179



22

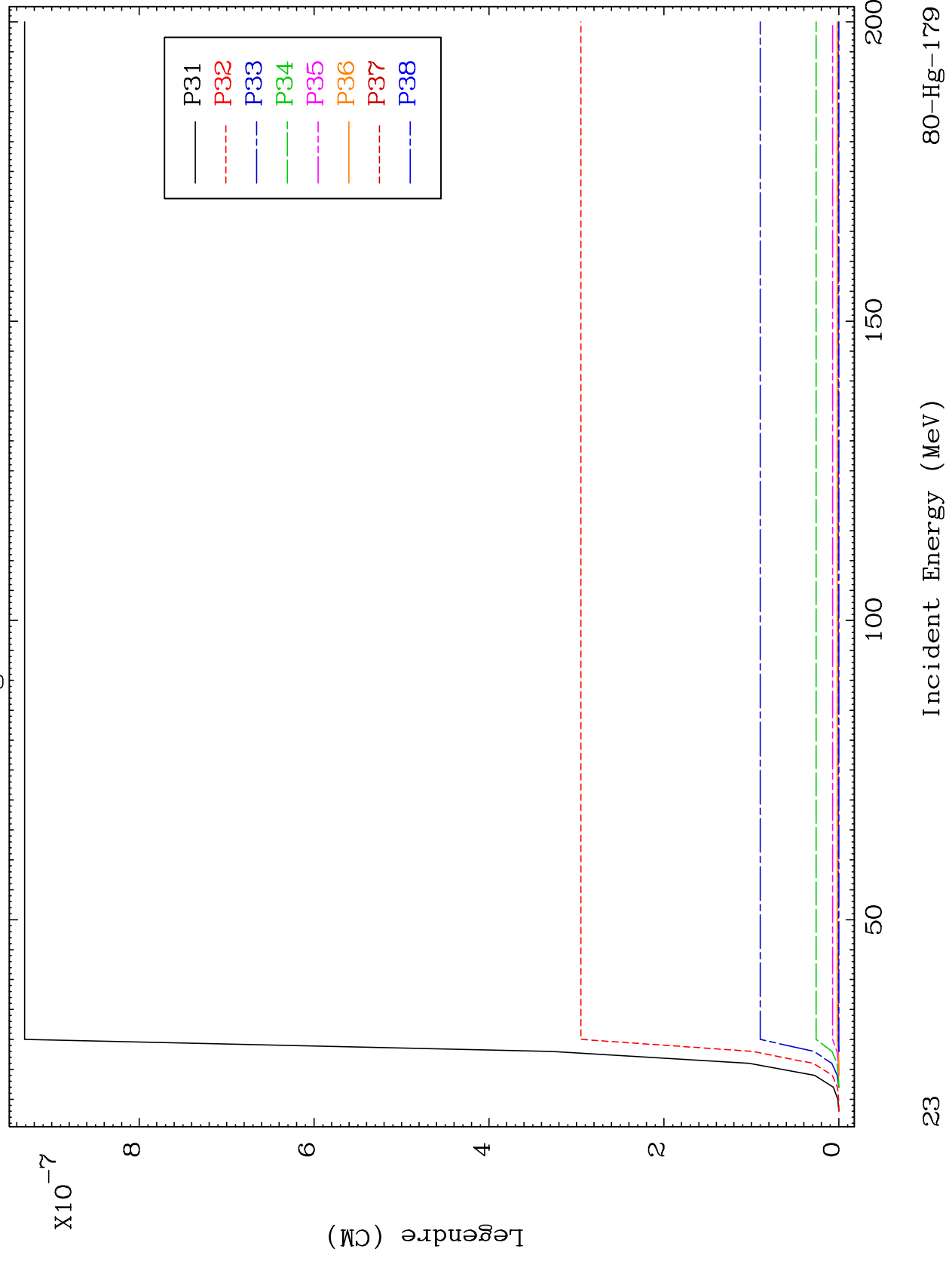
Incident Energy (MeV)

80-Hg-179

MAT 7974

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

80-Hg-179



23

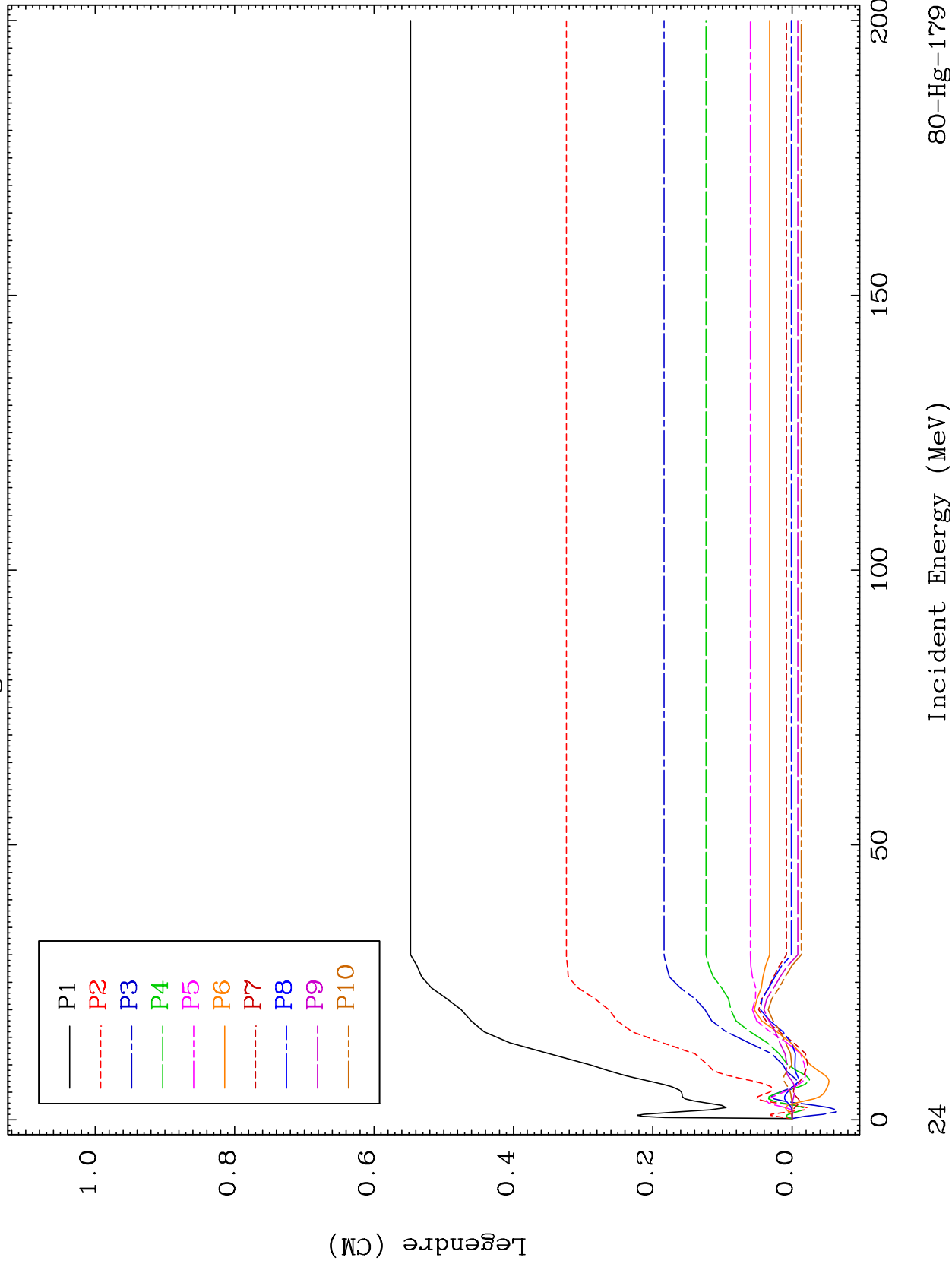
Incident Energy (MeV)

80-Hg-179

MAT 7974

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

80-Hg-179

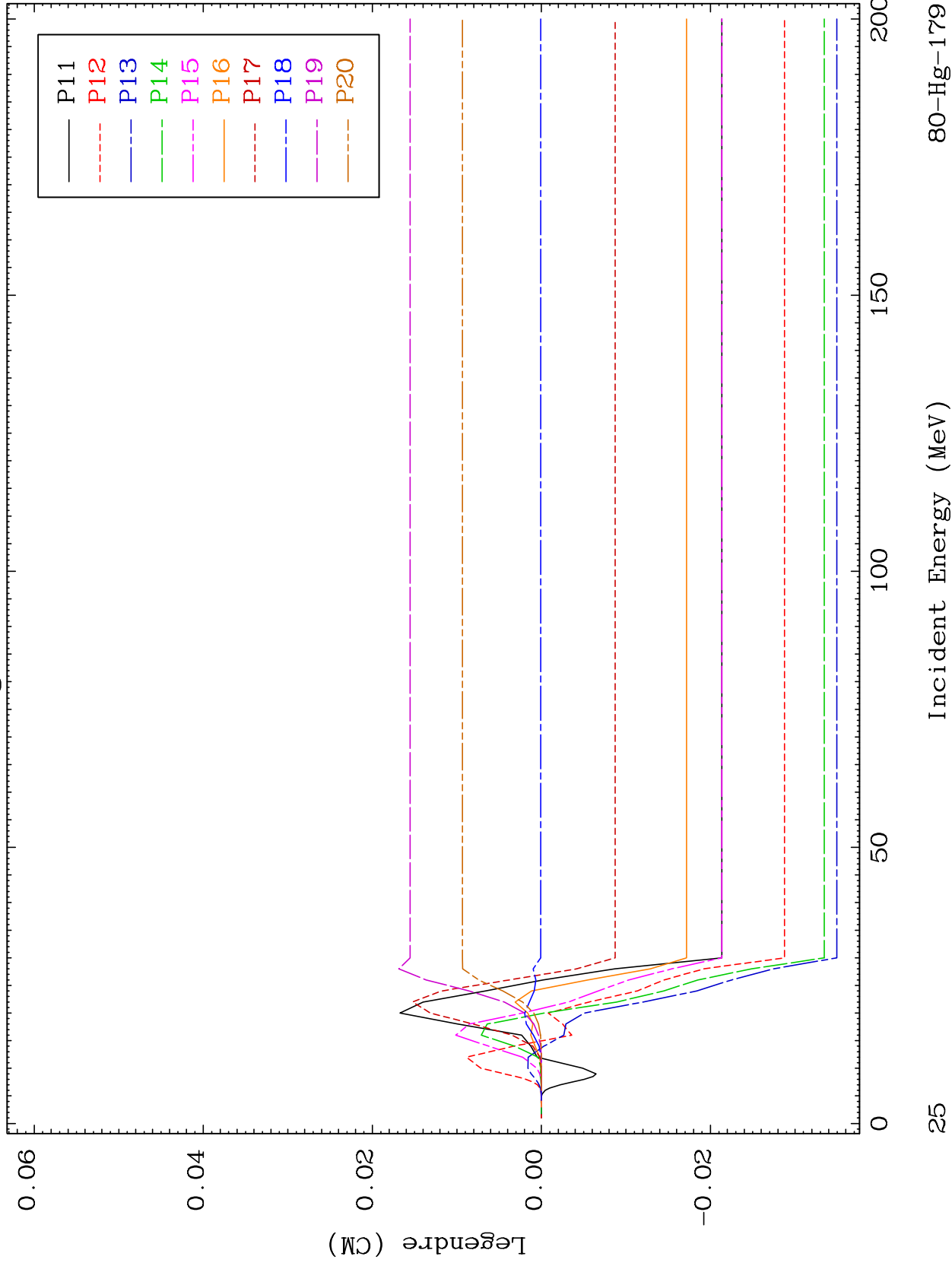


24

MAT 7974

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

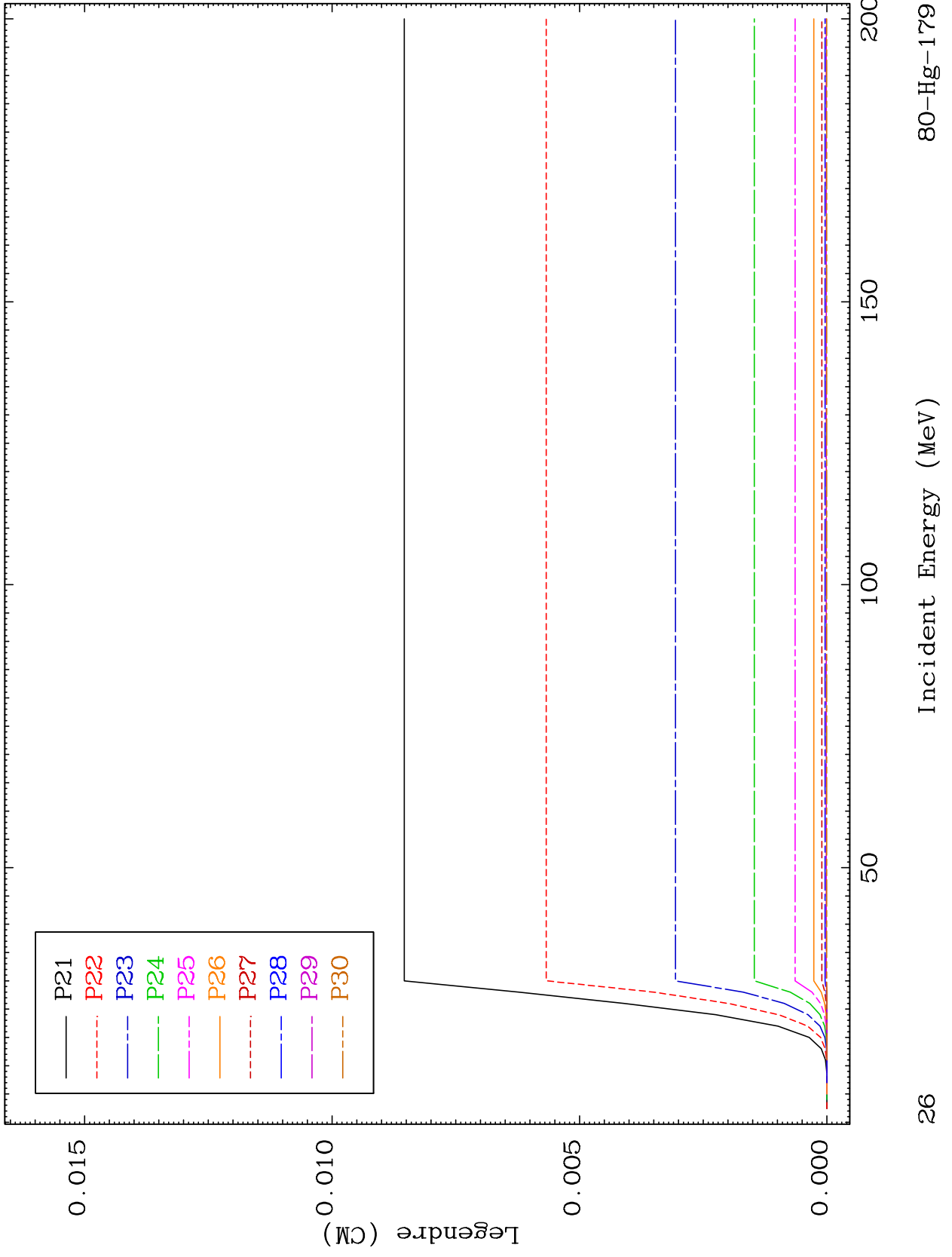
80-Hg-179



MAT 7974

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

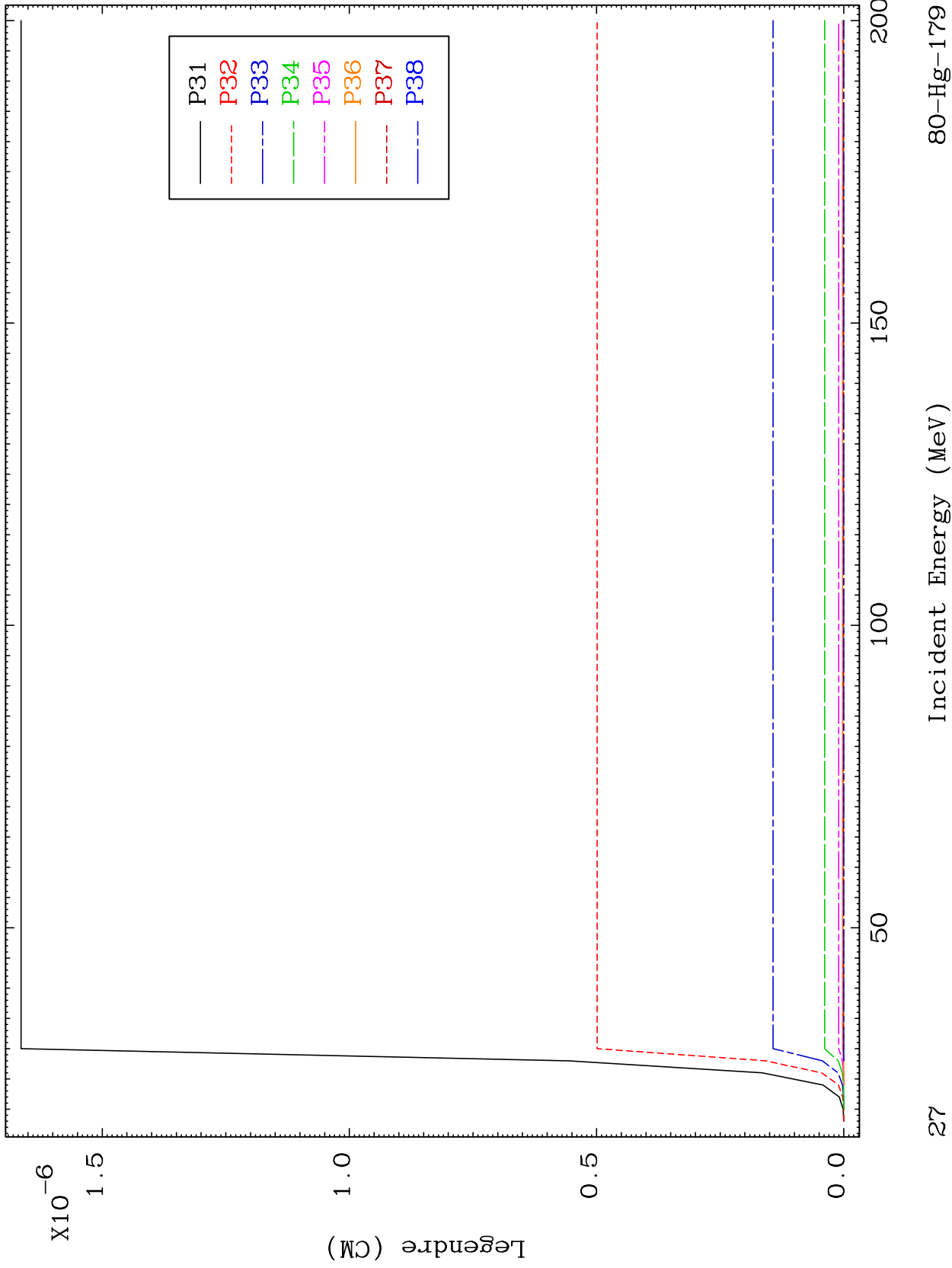
80-Hg-179

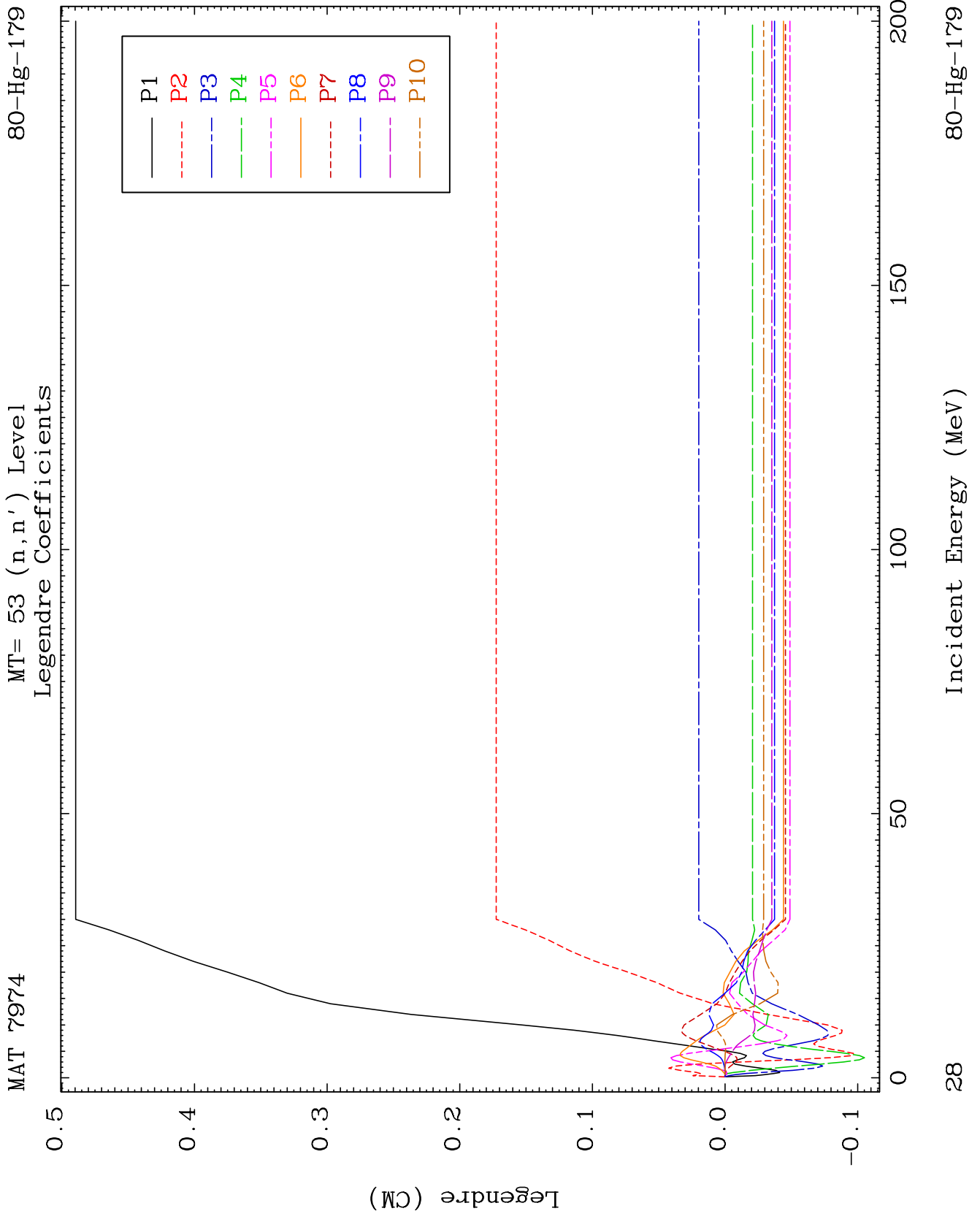


MAT 7974

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

80-Hg-179

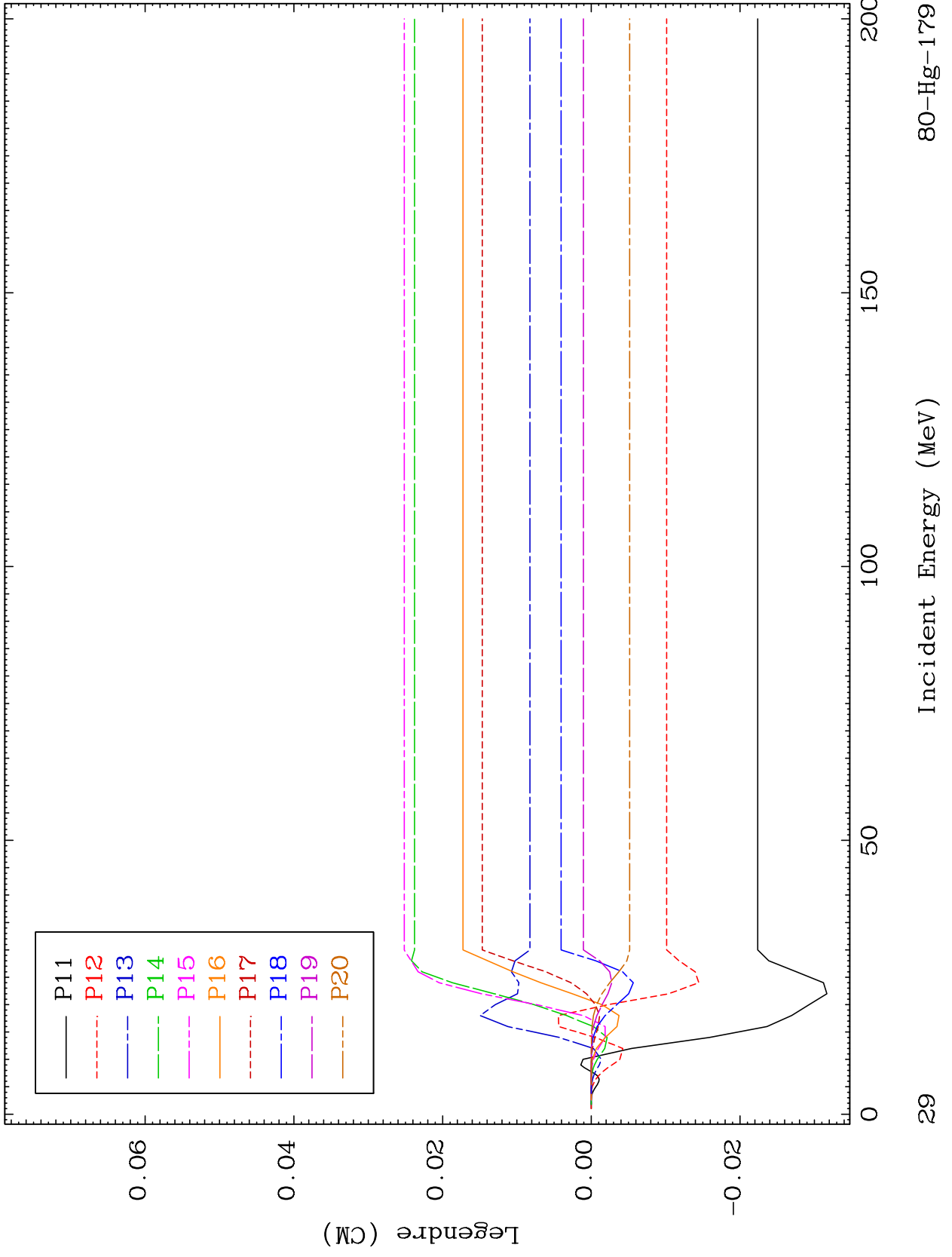




MAT 7974

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

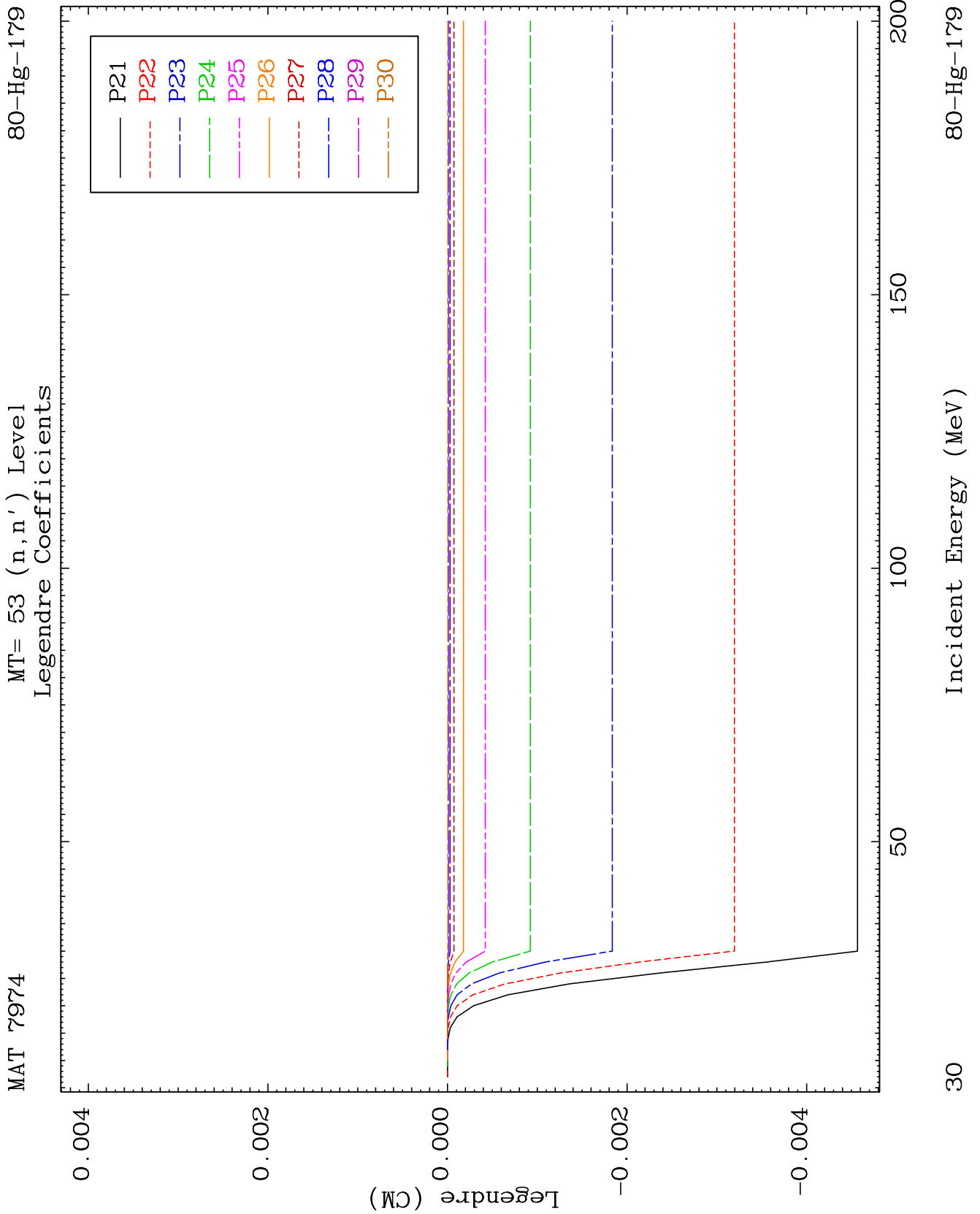
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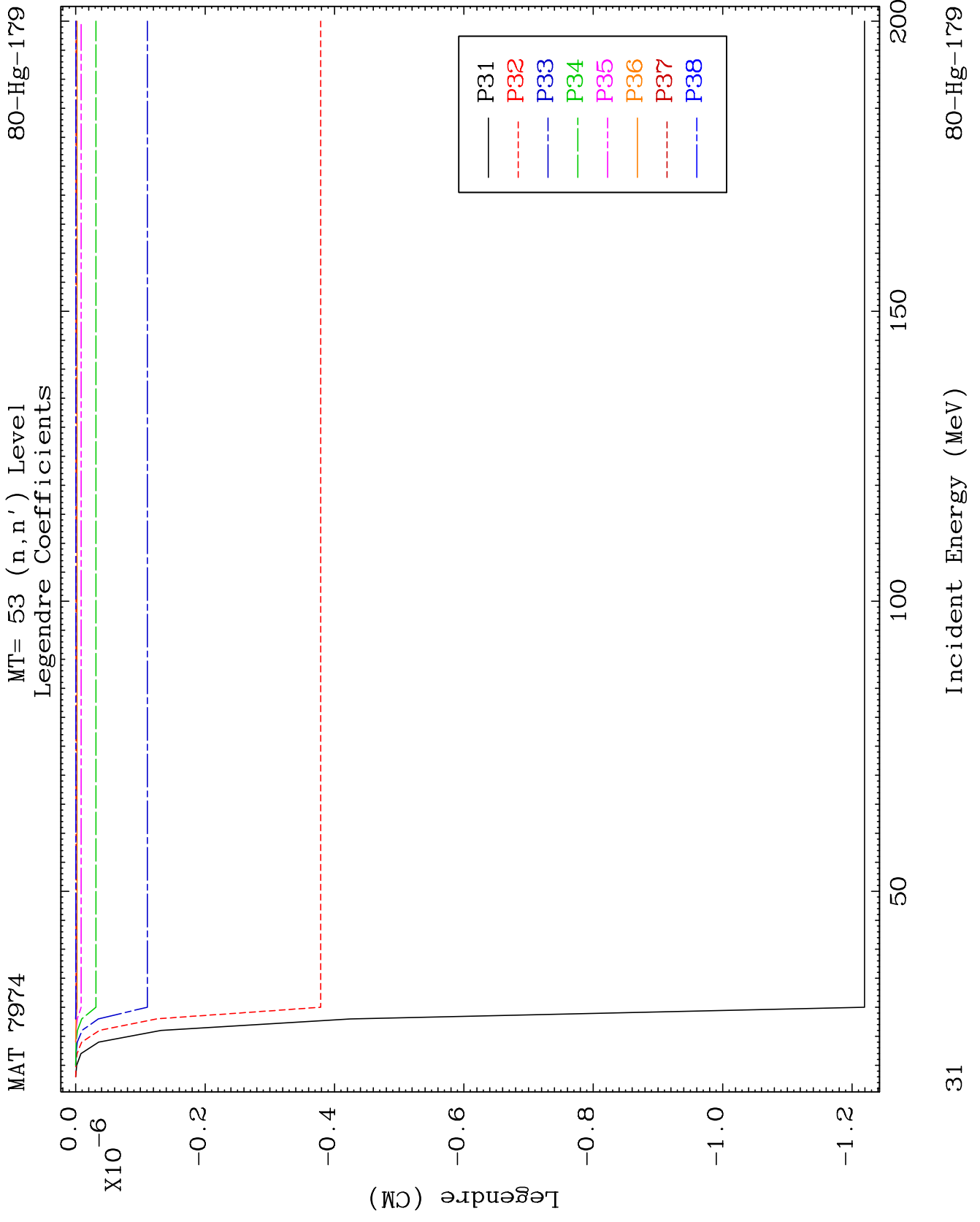


29

Incident Energy (MeV)

80-Hg-179

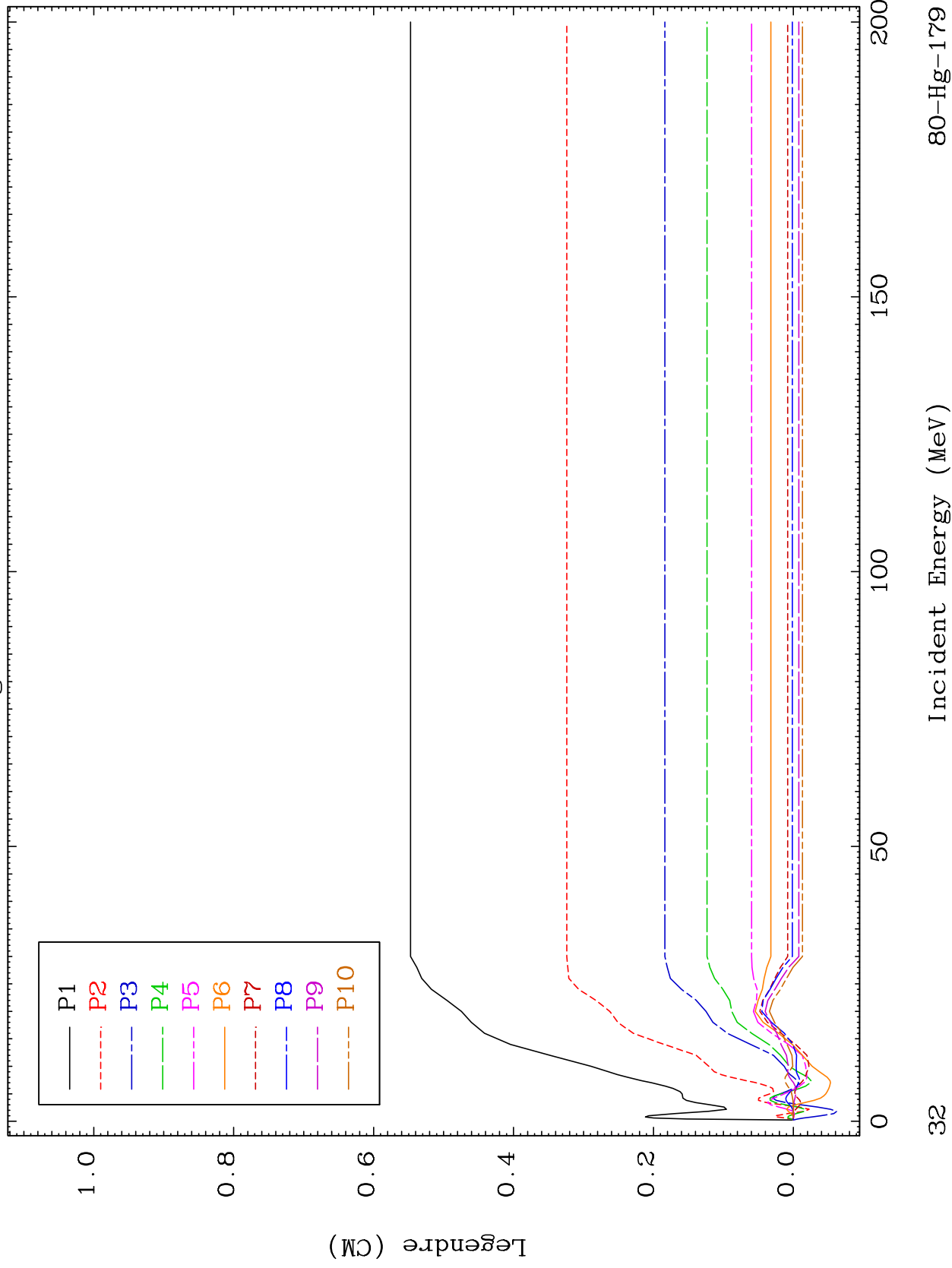




MAT 7974

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

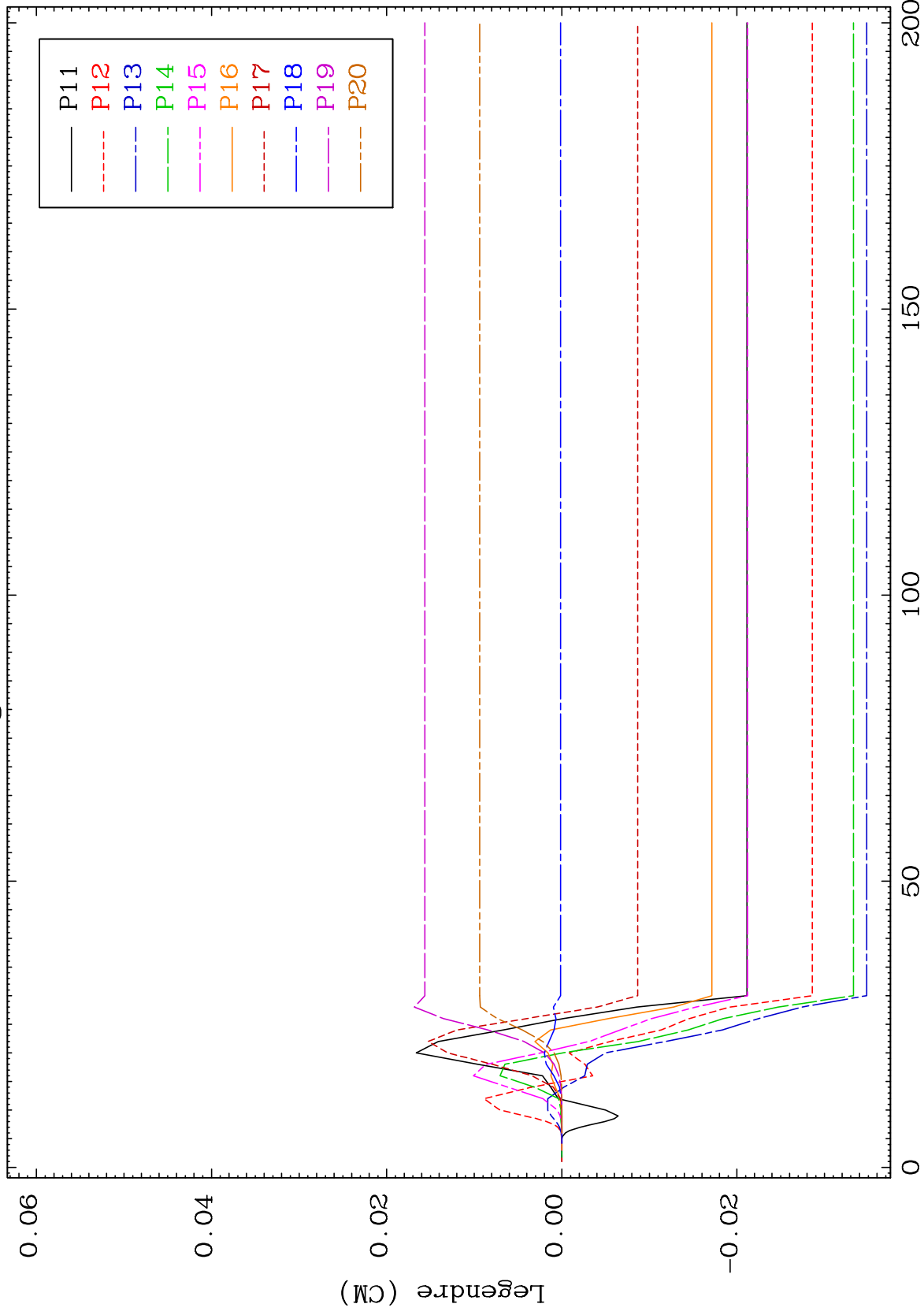
80-Hg-179



MAT 7974

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

80-Hg-179



33

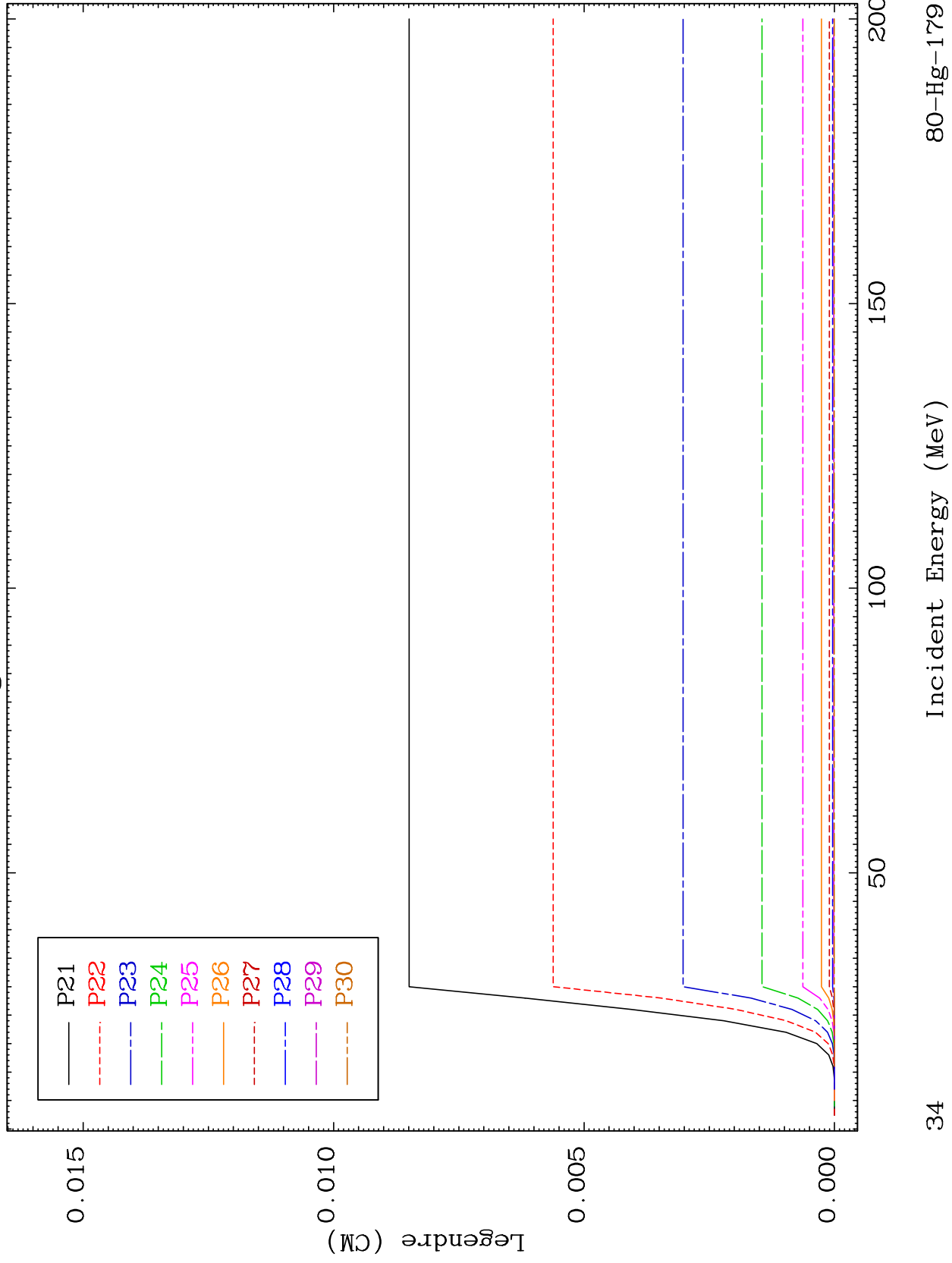
Incident Energy (MeV)

80-Hg-179

MAT 7974

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

80-Hg-179



34

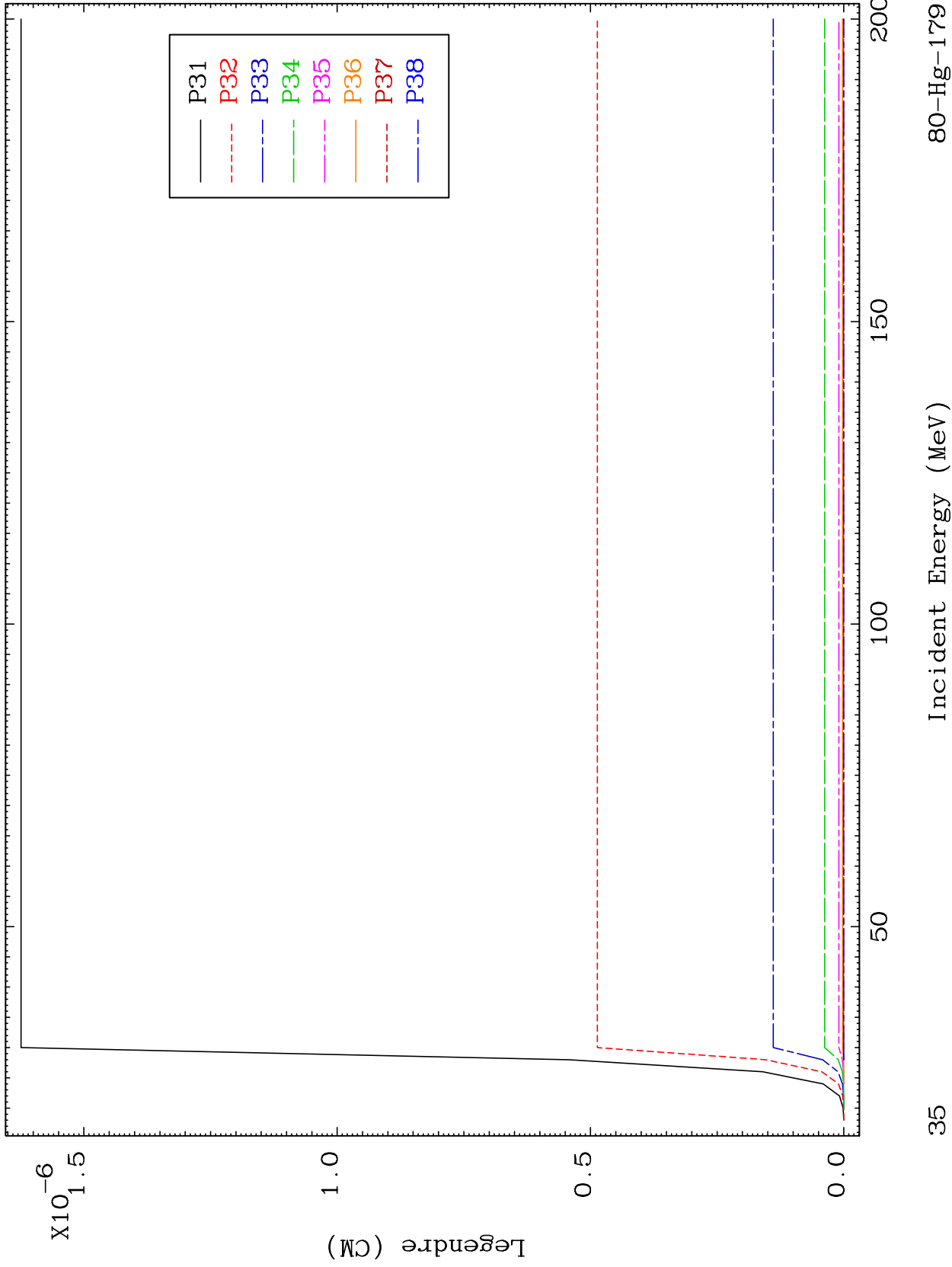
Incident Energy (MeV)

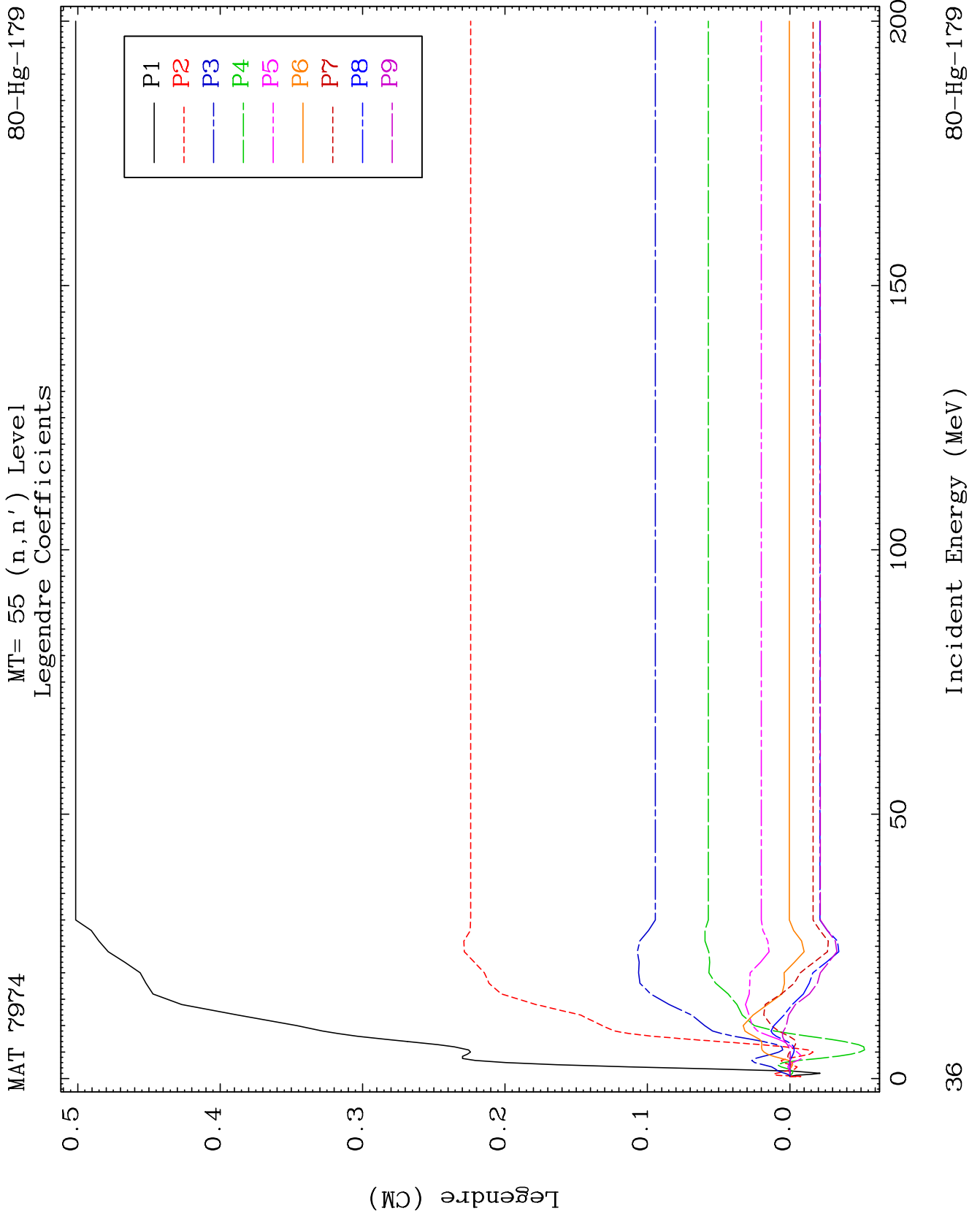
80-Hg-179

MAT 7974

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

80-Hg-179

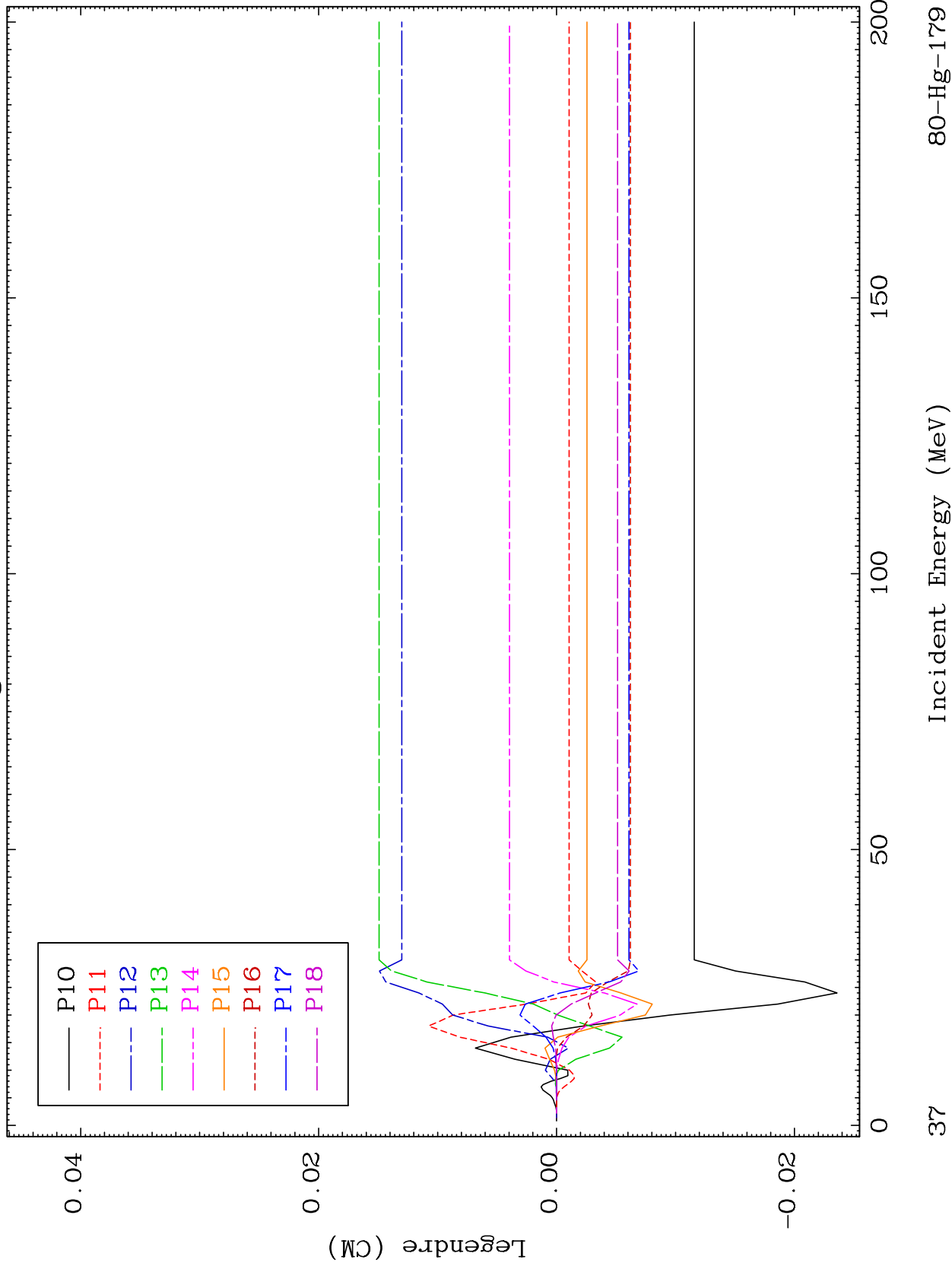




MAT 7974

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

80-Hg-179



37

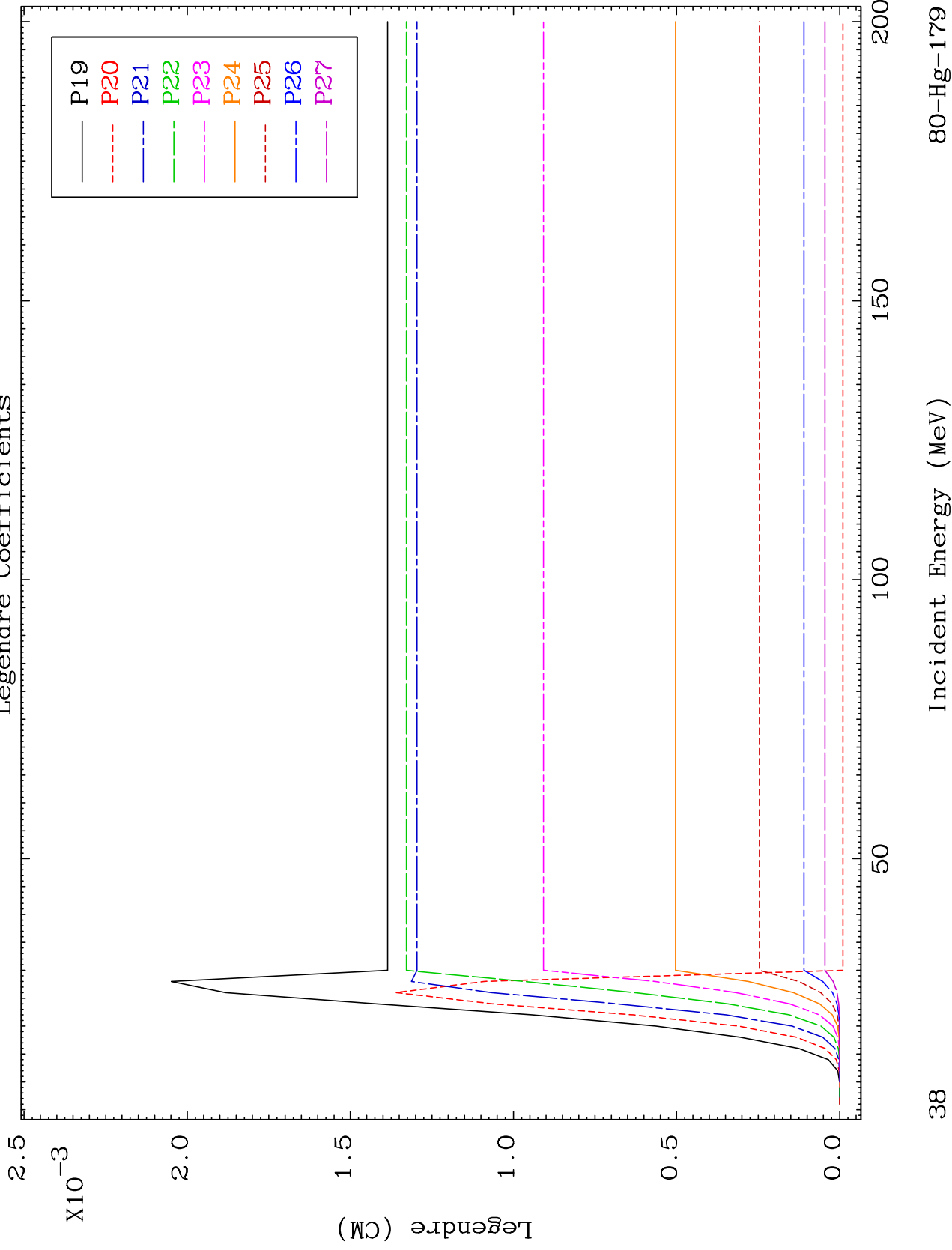
Incident Energy (MeV)

80-Hg-179

MAT 7974

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

80-Hg-179

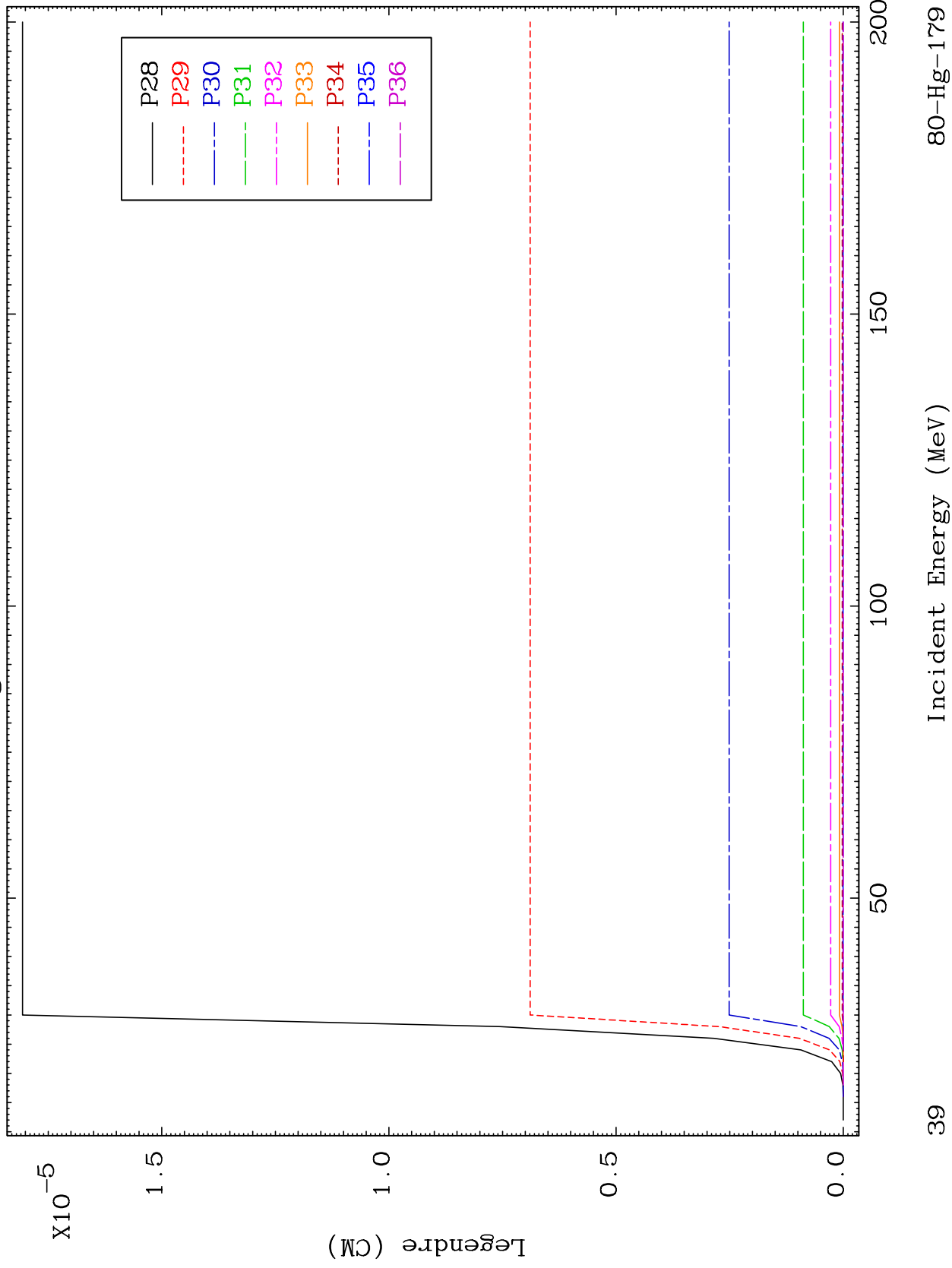


38

MAT 7974

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

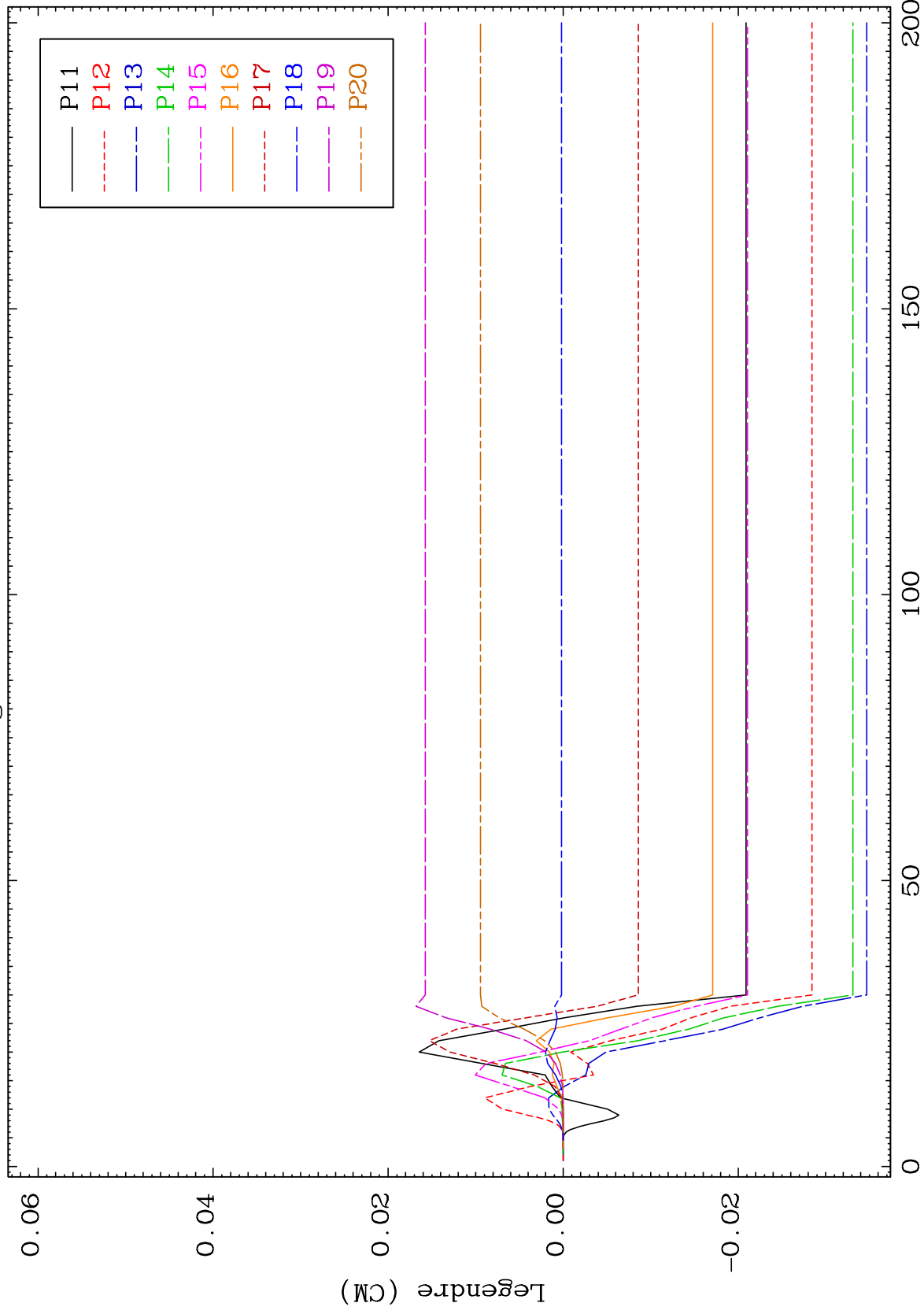
80-Hg-179



MAT 7974

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

80-Hg-179



41

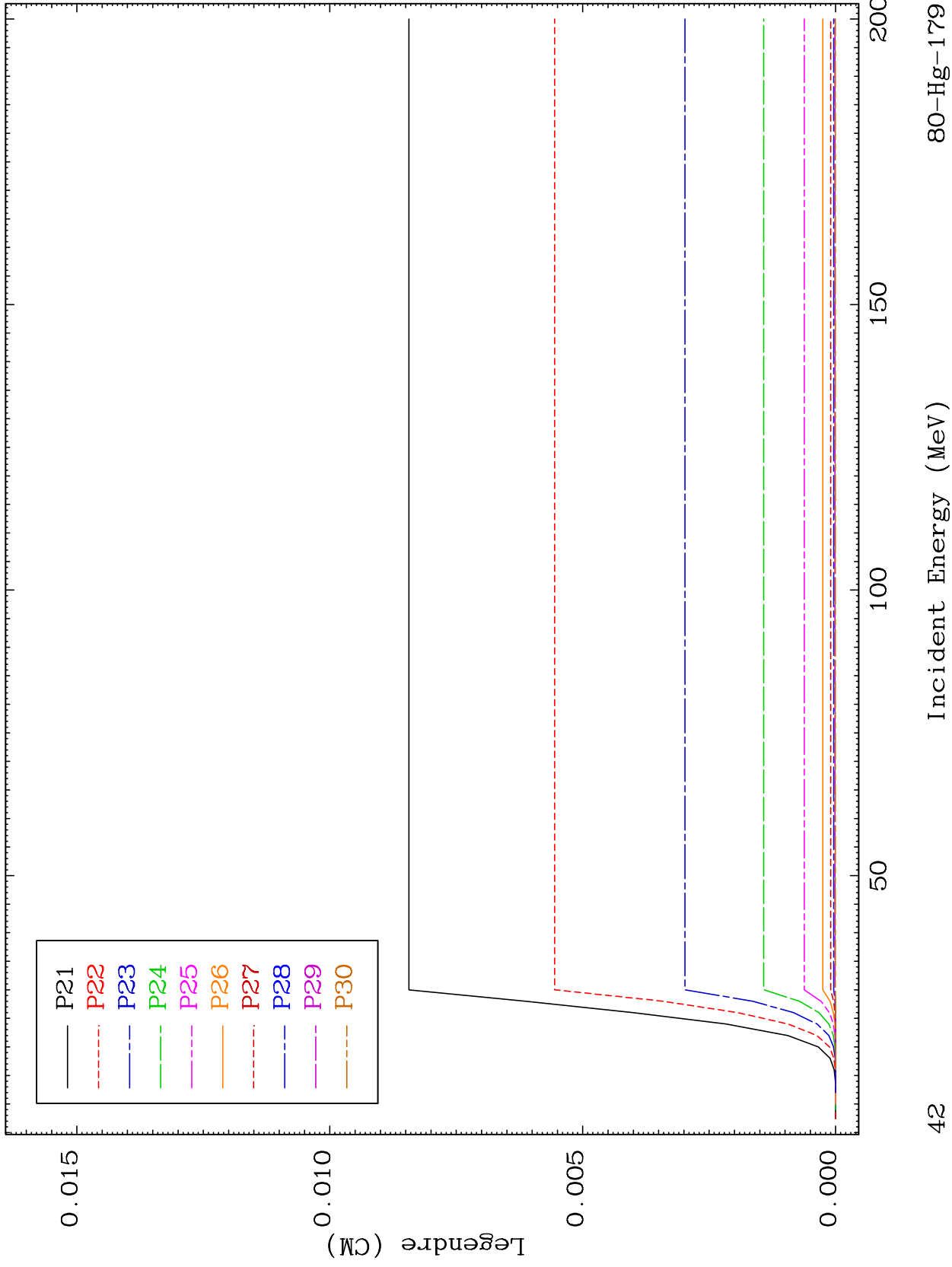
Incident Energy (MeV)

80-Hg-179

MAT 7974

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

80-Hg-179



42

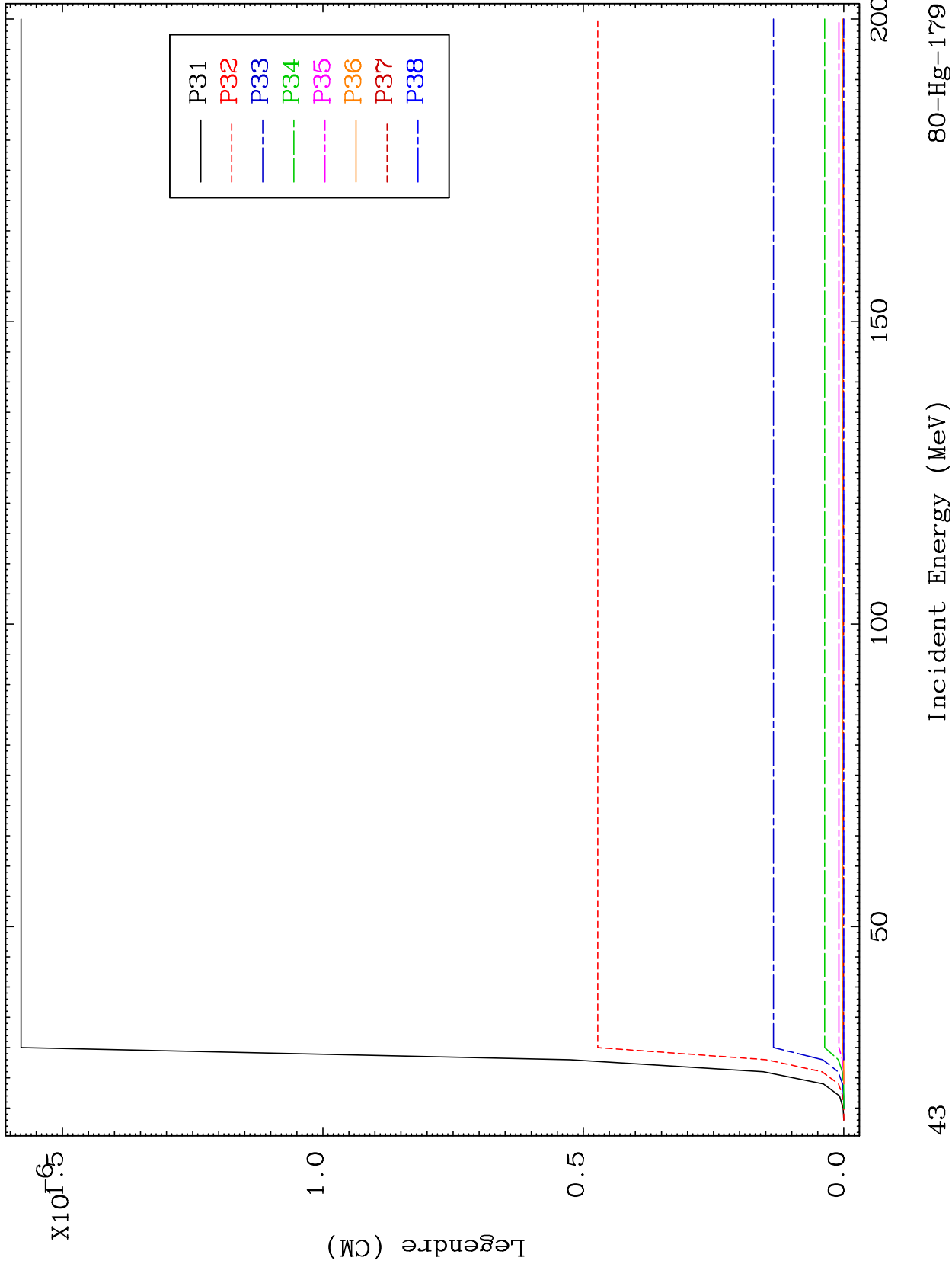
Incident Energy (MeV)

80-Hg-179

MAT 7974

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

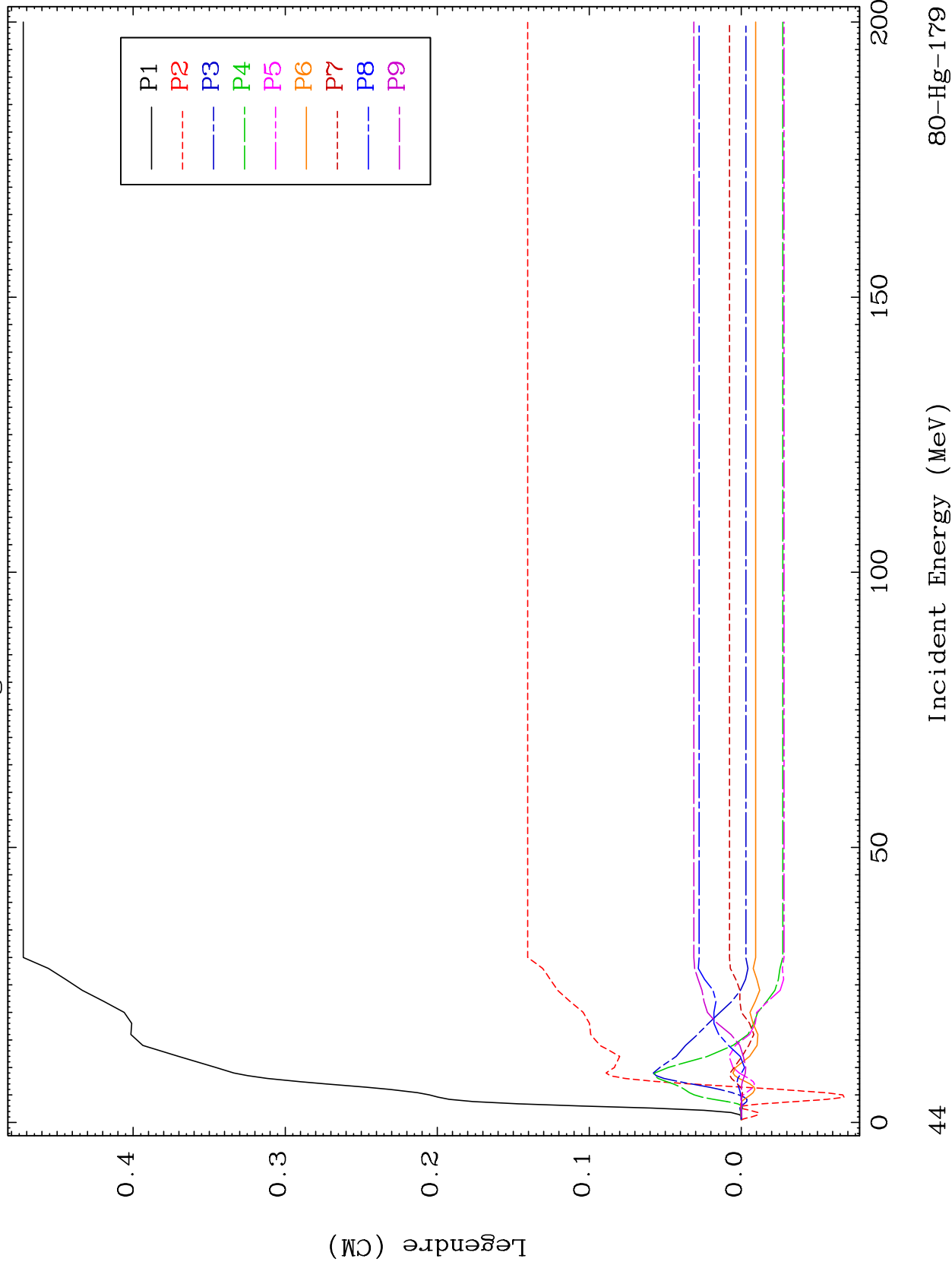
80-Hg-179



MAT 7974

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

80-Hg-179



80-Hg-179

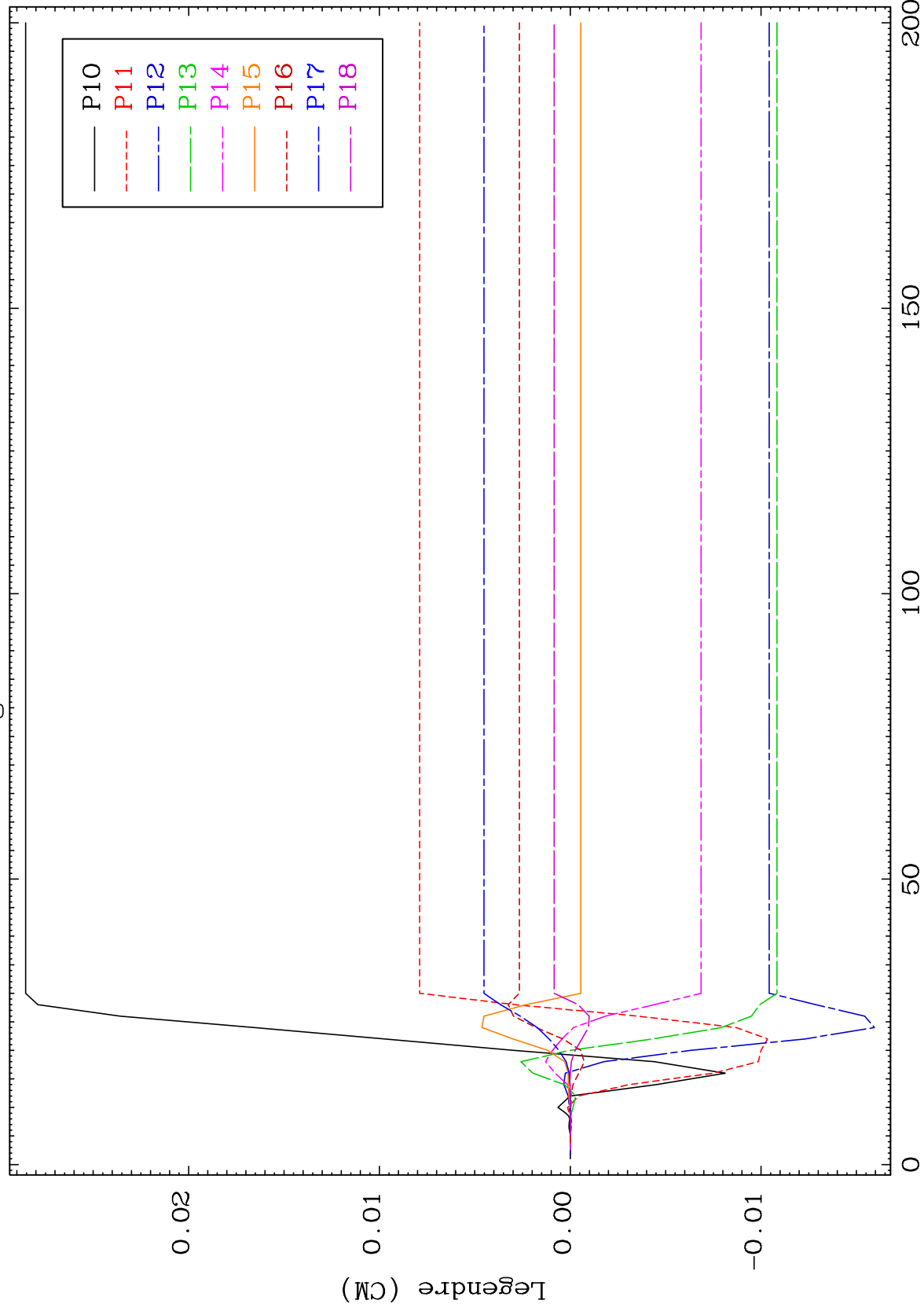
Incident Energy (MeV)

44

MAT 7974

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

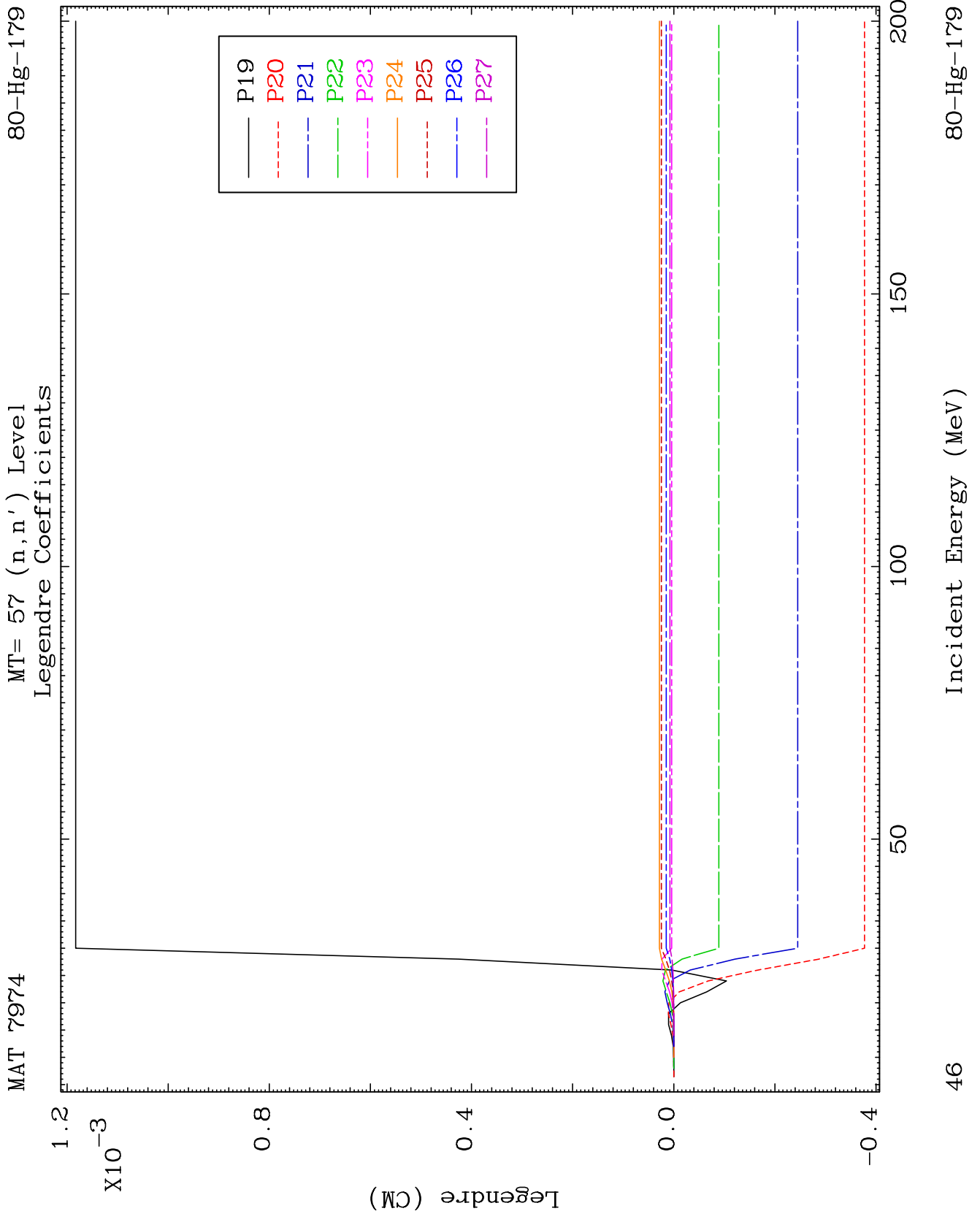
80-Hg-179



80-Hg-179

Incident Energy (MeV)

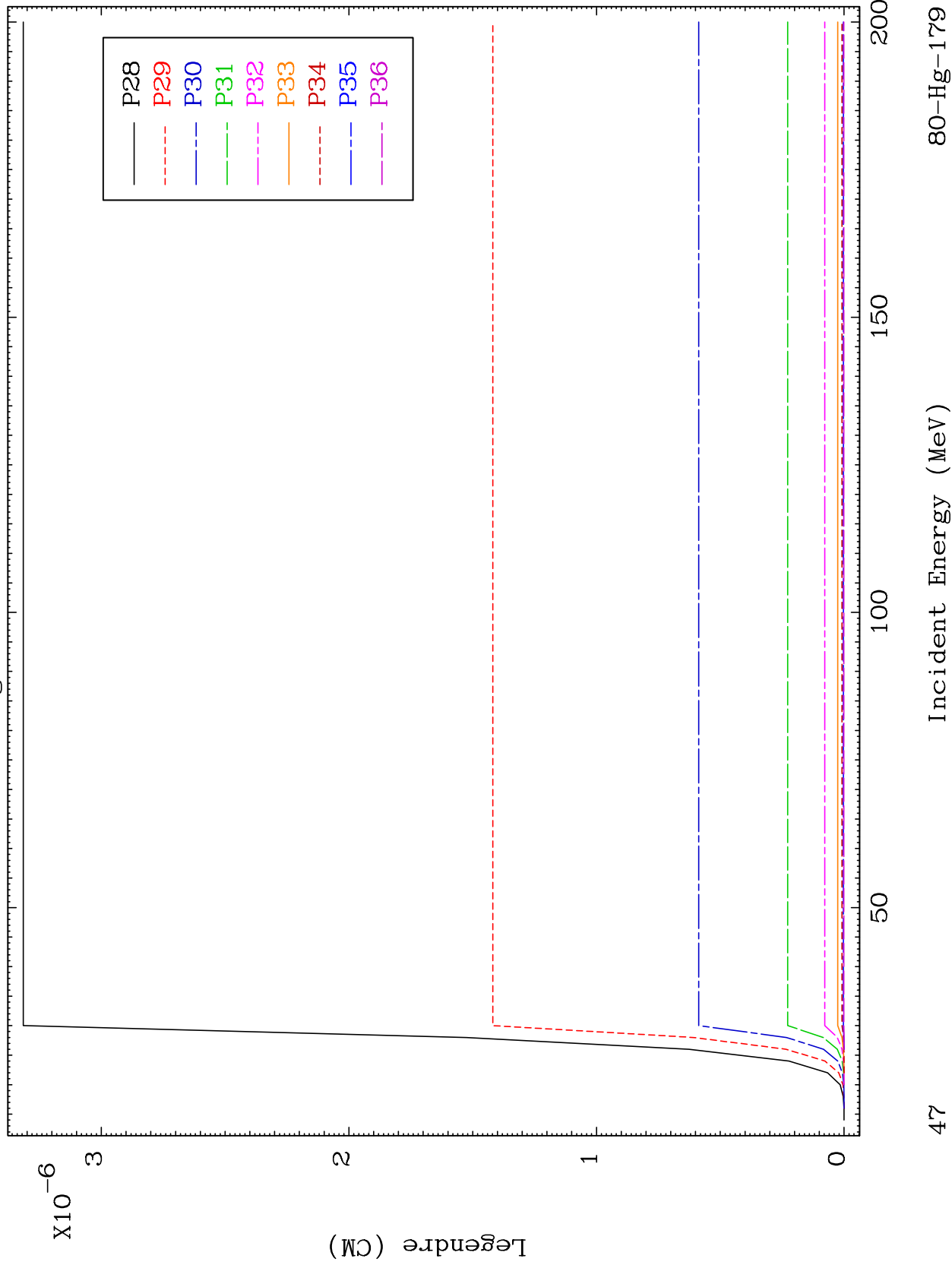
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MAT 7974

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

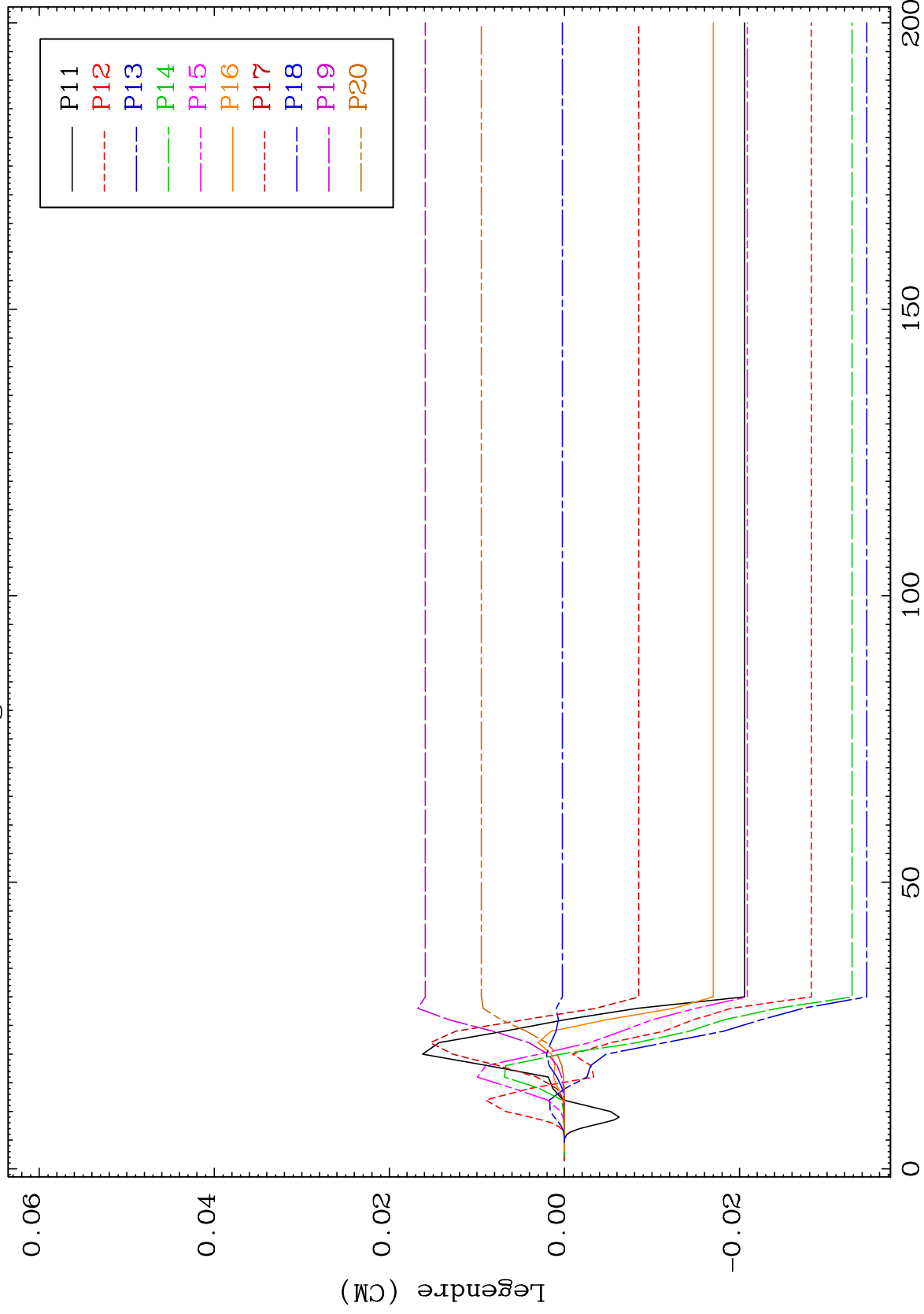
80-Hg-179



MAT 7974

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

80-Hg-179



49

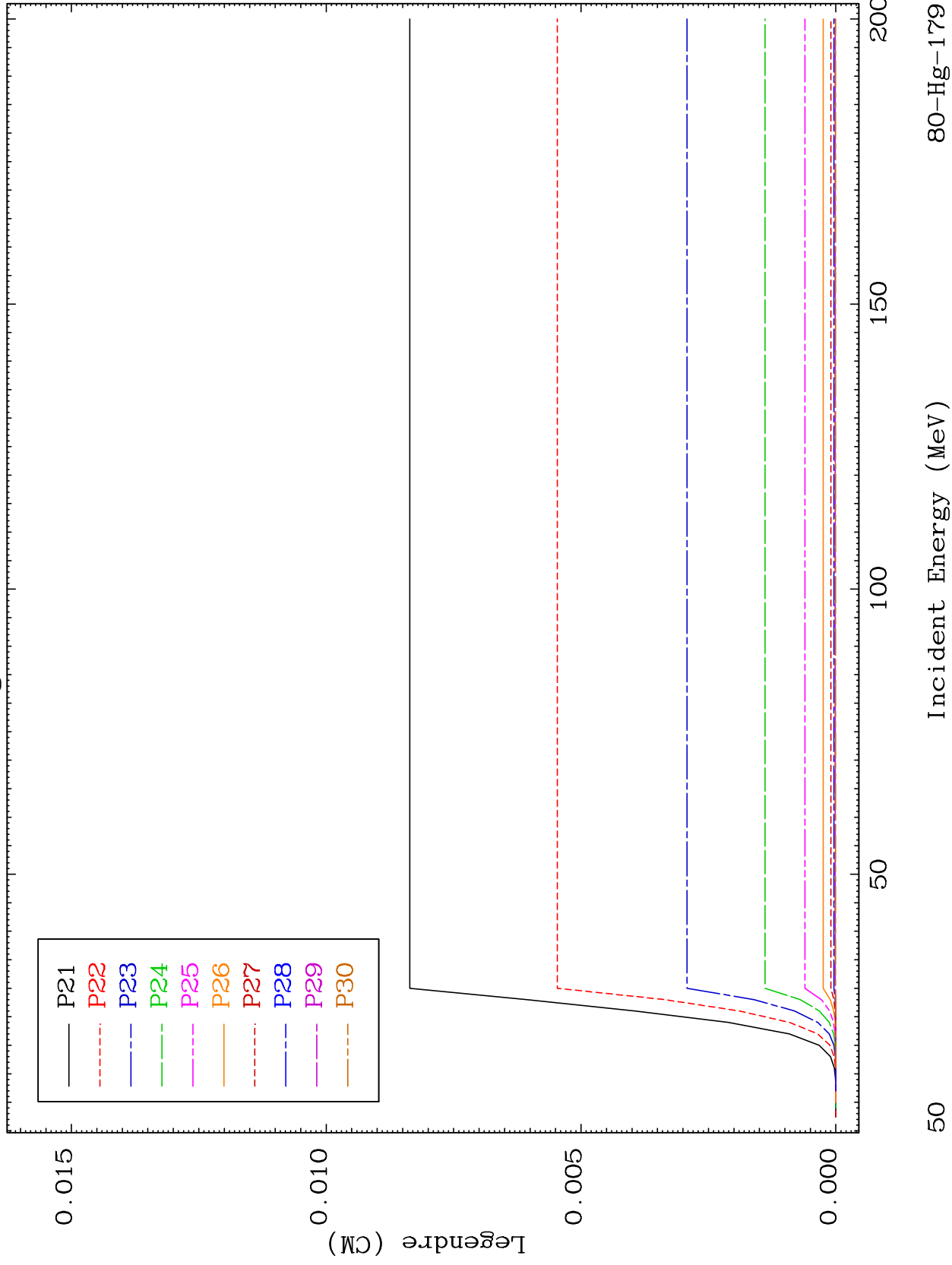
Incident Energy (MeV)

80-Hg-179

MAT 7974

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

80-Hg-179



80-Hg-179

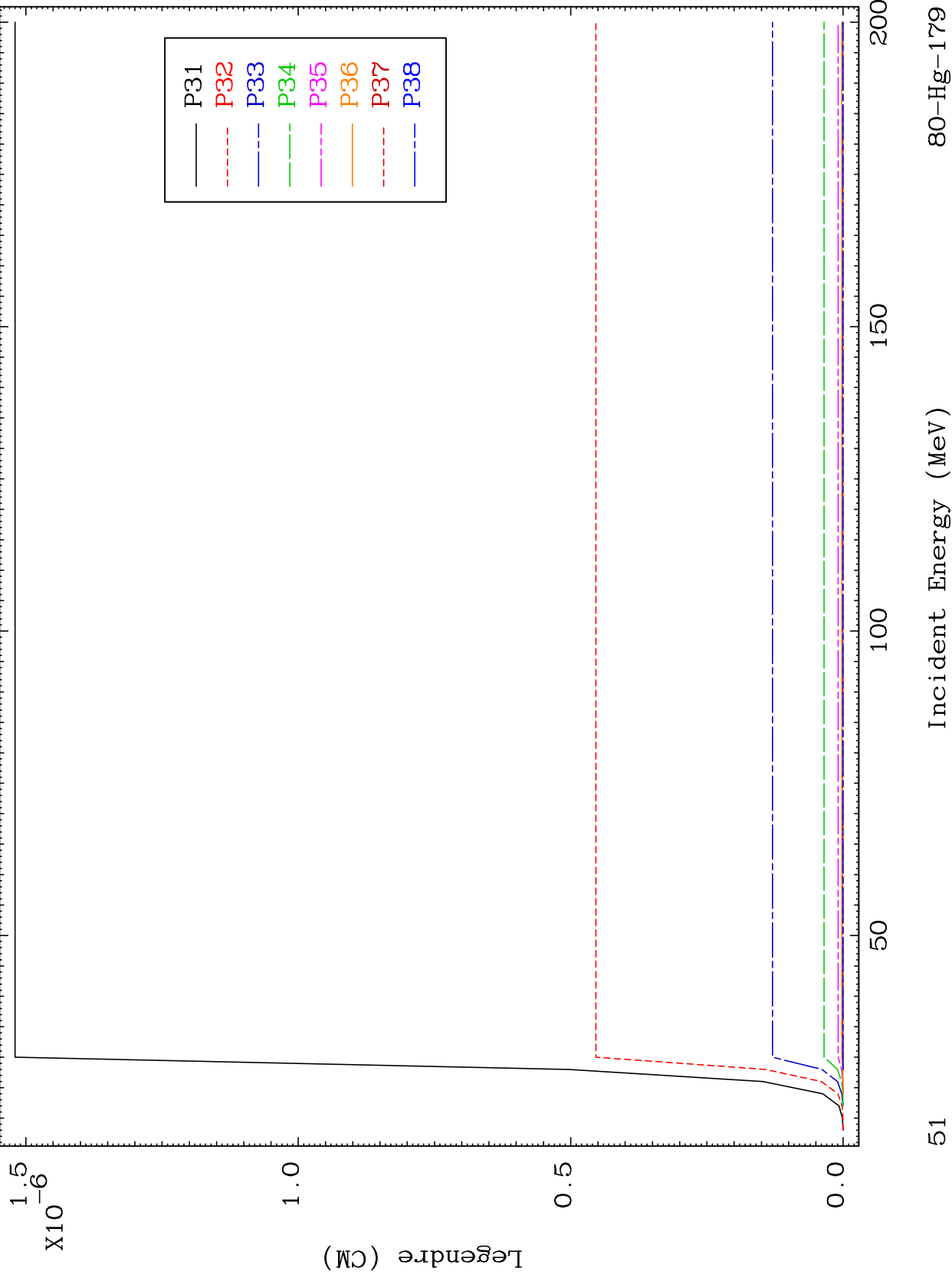
Incident Energy (MeV)

50

MAT 7974

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

80-Hg-179



51

Incident Energy (MeV)

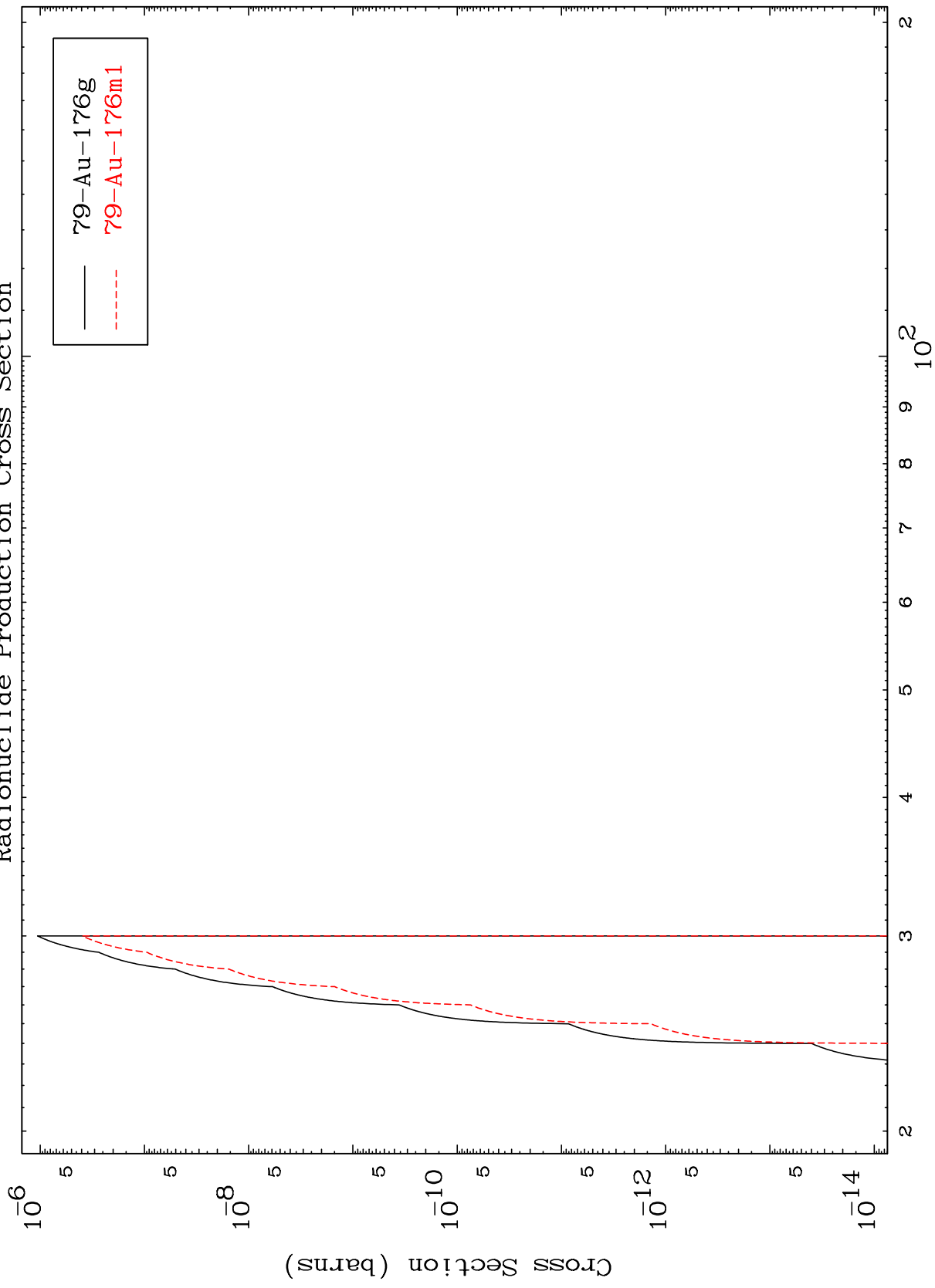
80-Hg-179

MAT 7974

(n,2n) d

80-Hg-179

Radionuclide Production Cross Section



52

Incident Energy (MeV)

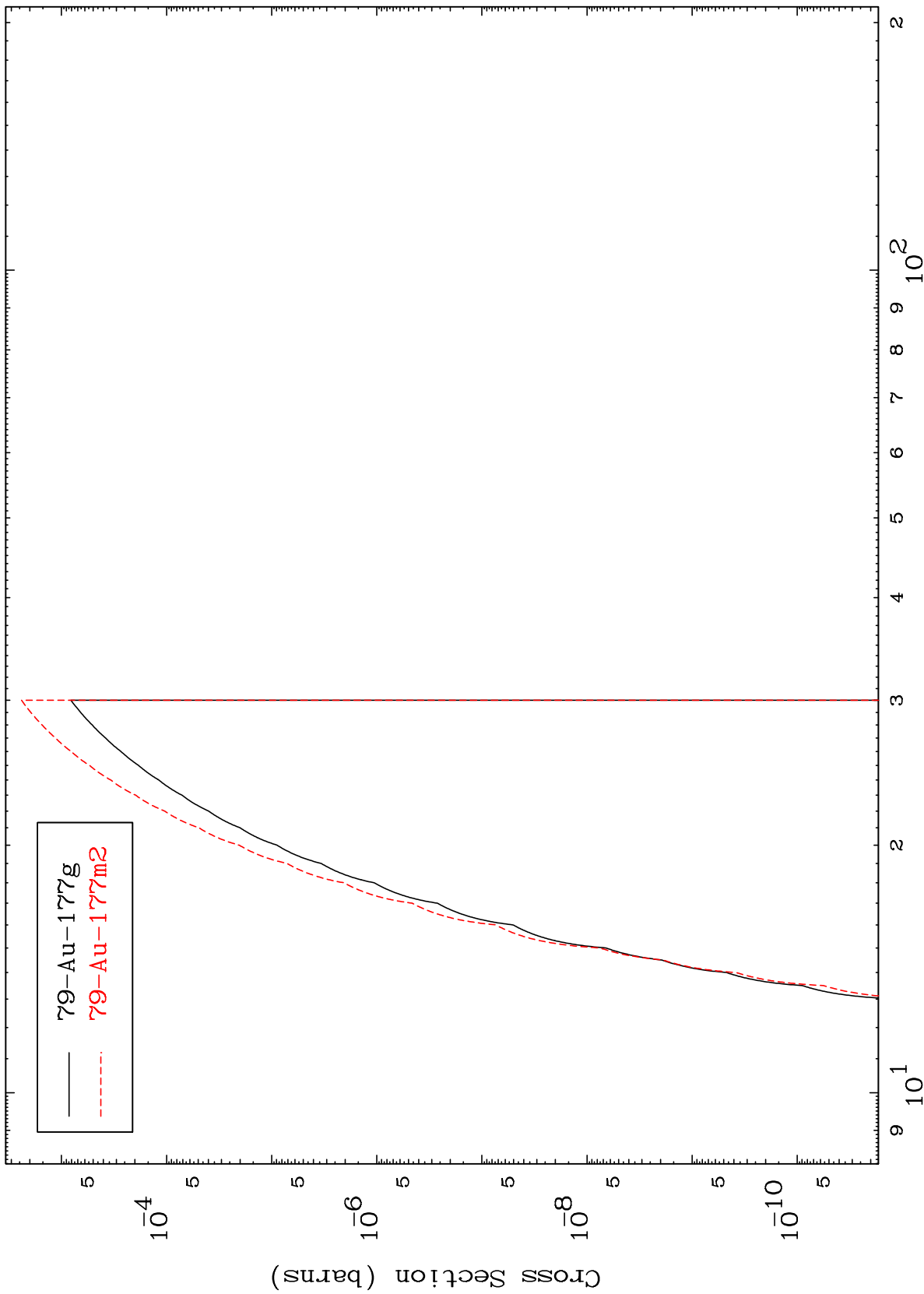
80-Hg-179

MAT 7974

(n,n') d

80-Hg-179

Radionuclide Production Cross Section



79-Au-177g
79-Au-177m2

Incident Energy (MeV)

80-Hg-179

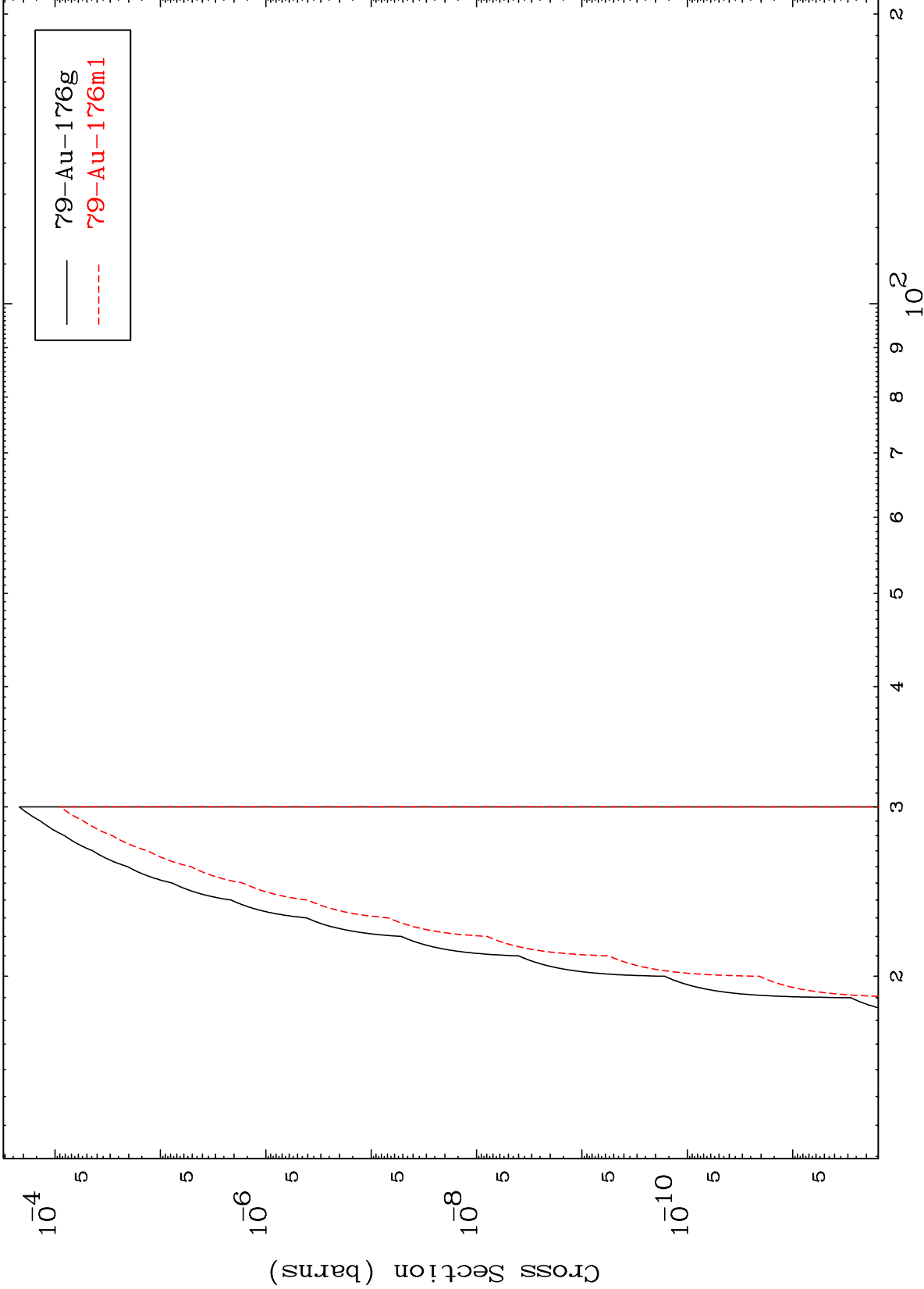
53

MAT 7974

(n,n') t

80-Hg-179

Radionuclide Production Cross Section

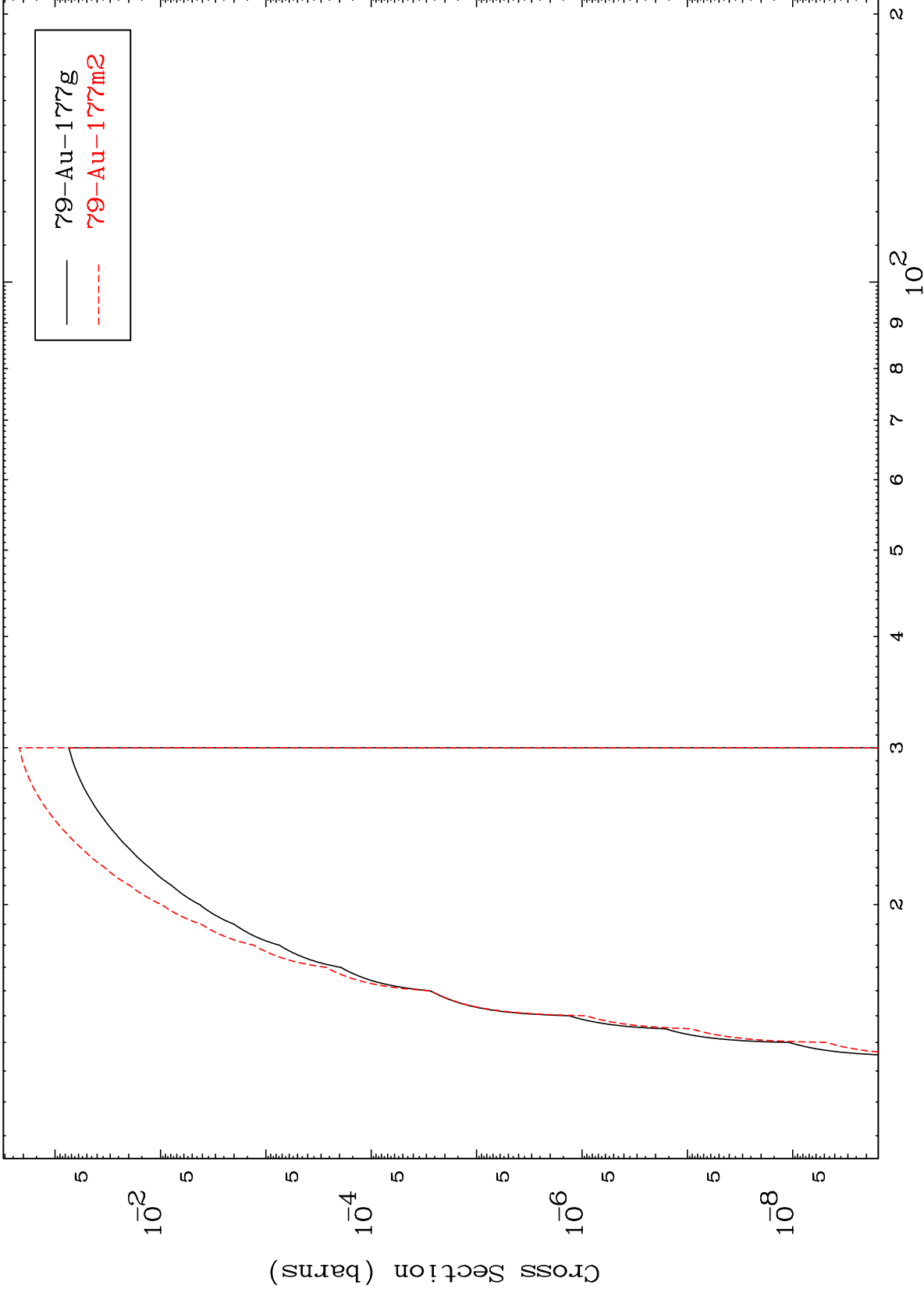


54

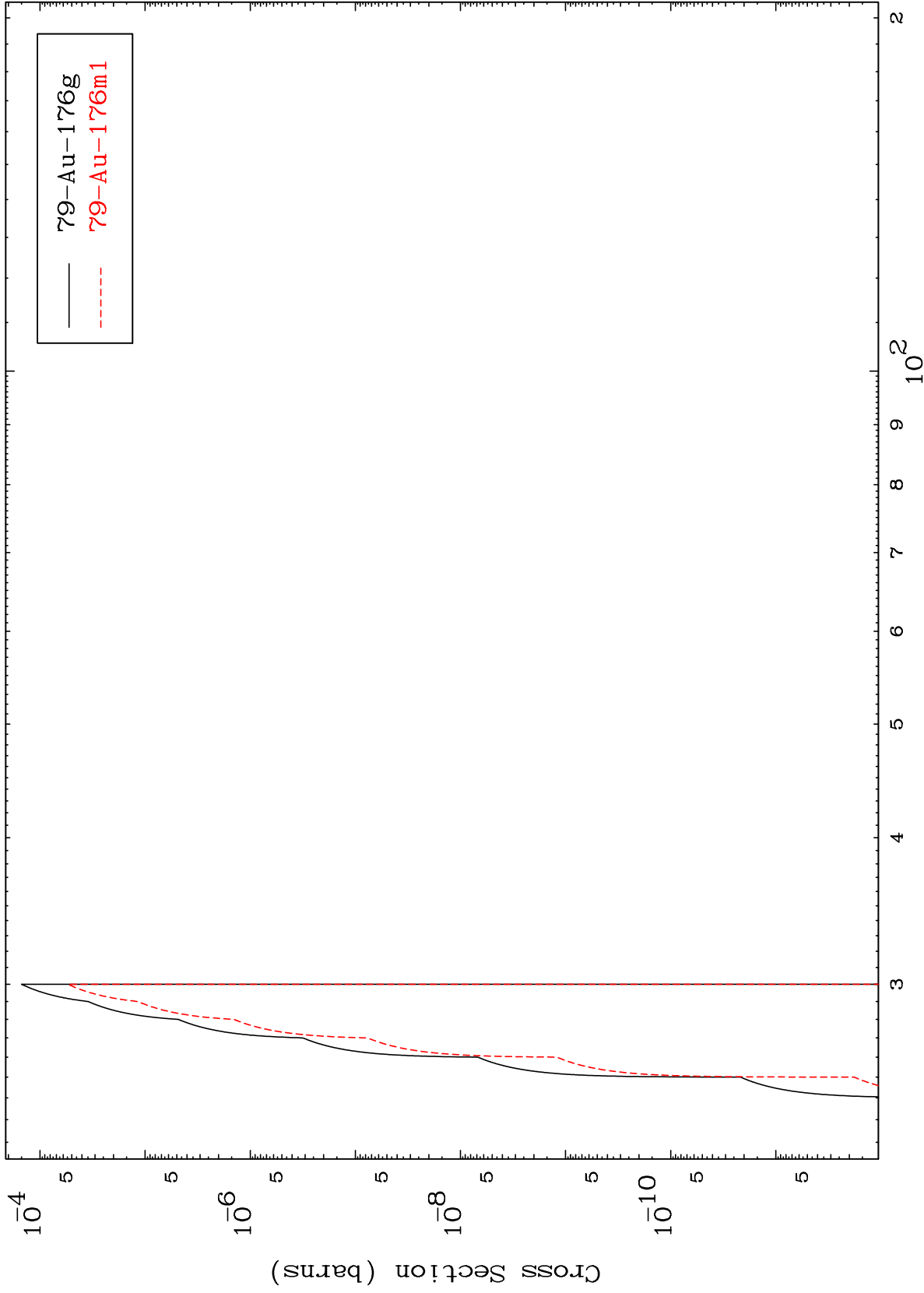
Incident Energy (MeV)

80-Hg-179

Radionuclide Production Cross Section



Radionuclide Production Cross Section

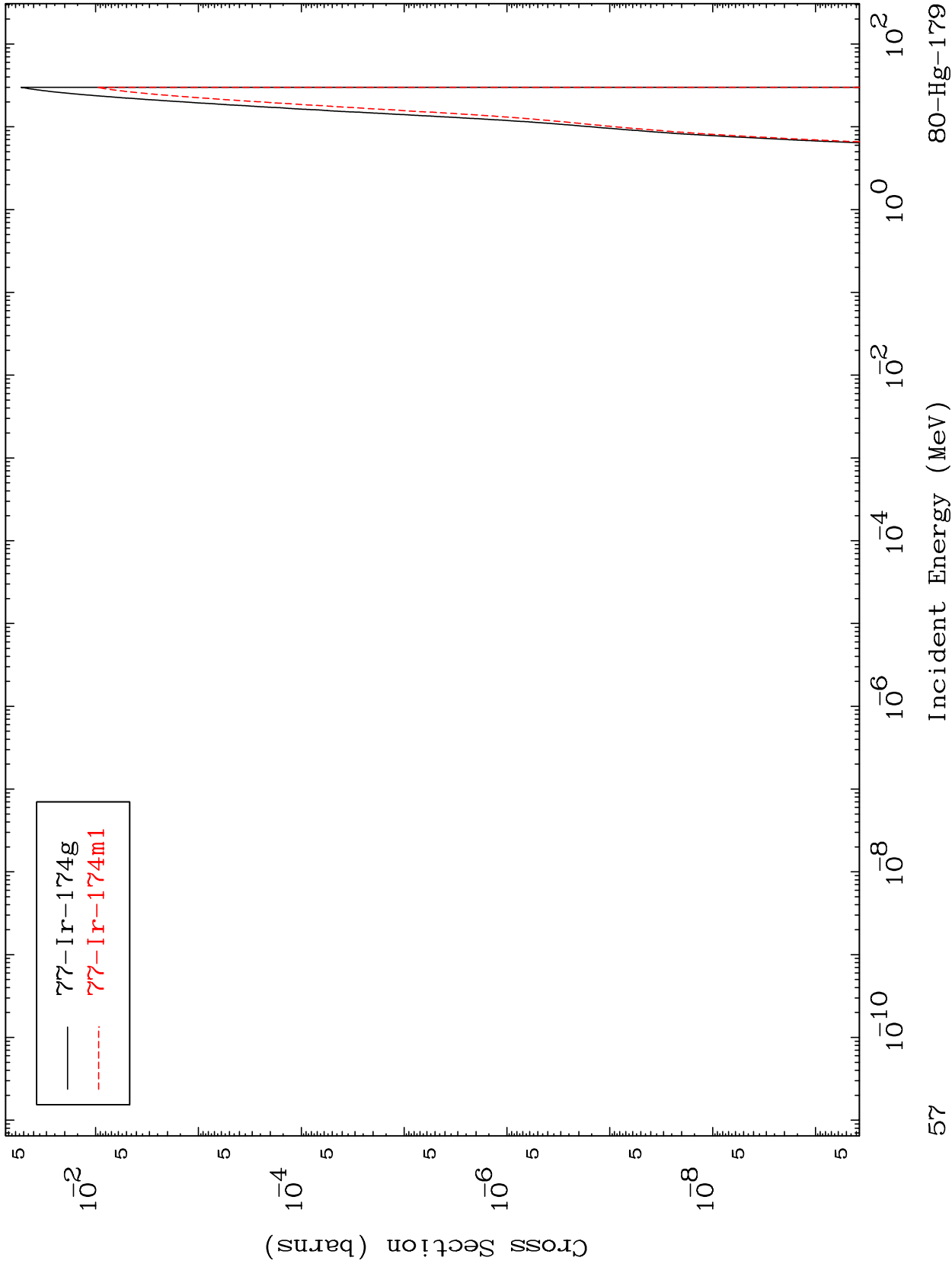


MAT 7974

(n,n') p α

80-Hg-179

Radionuclide Production Cross Section



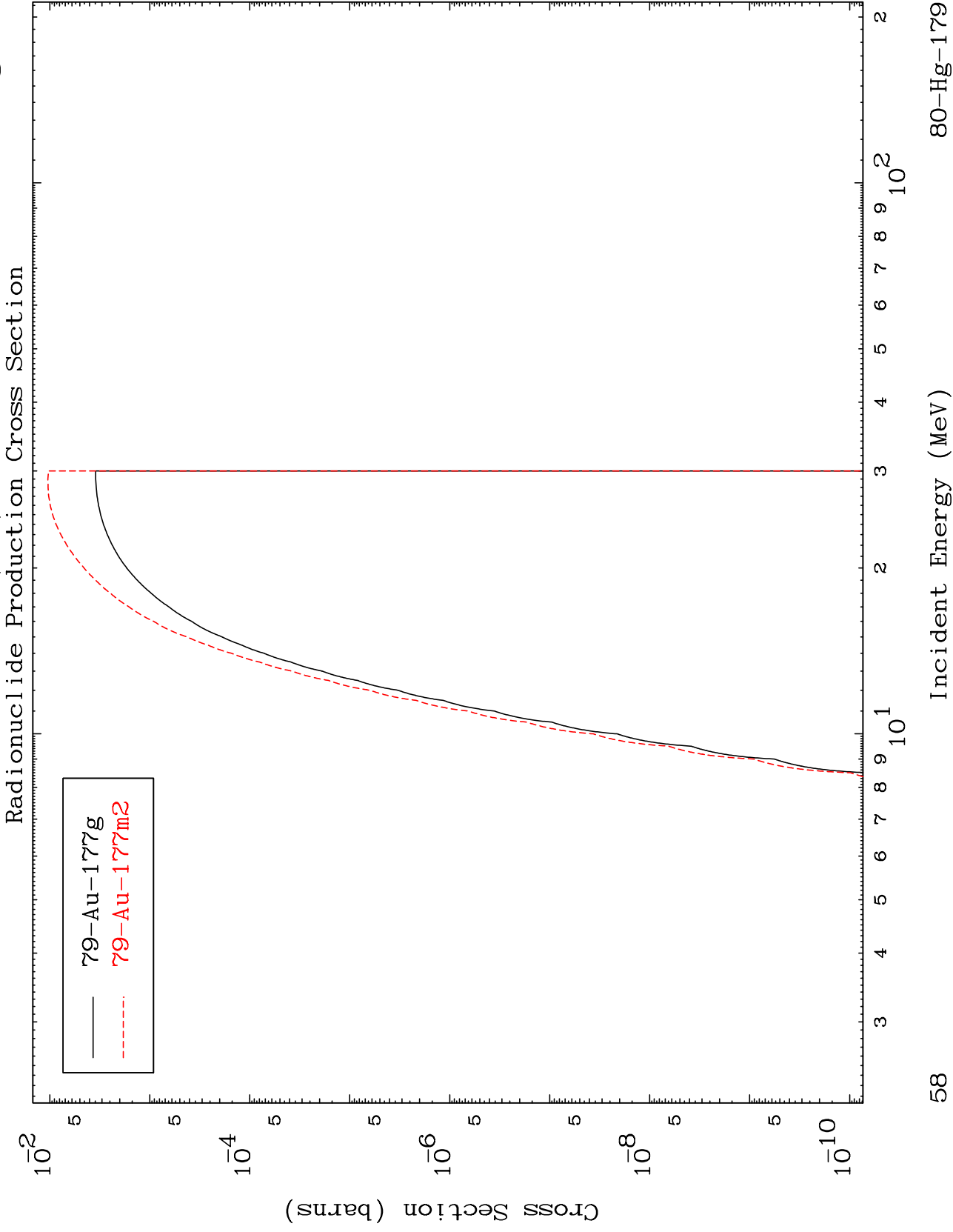
57

Incident Energy (MeV)

80-Hg-179

MAT 7974

80-Hg-179

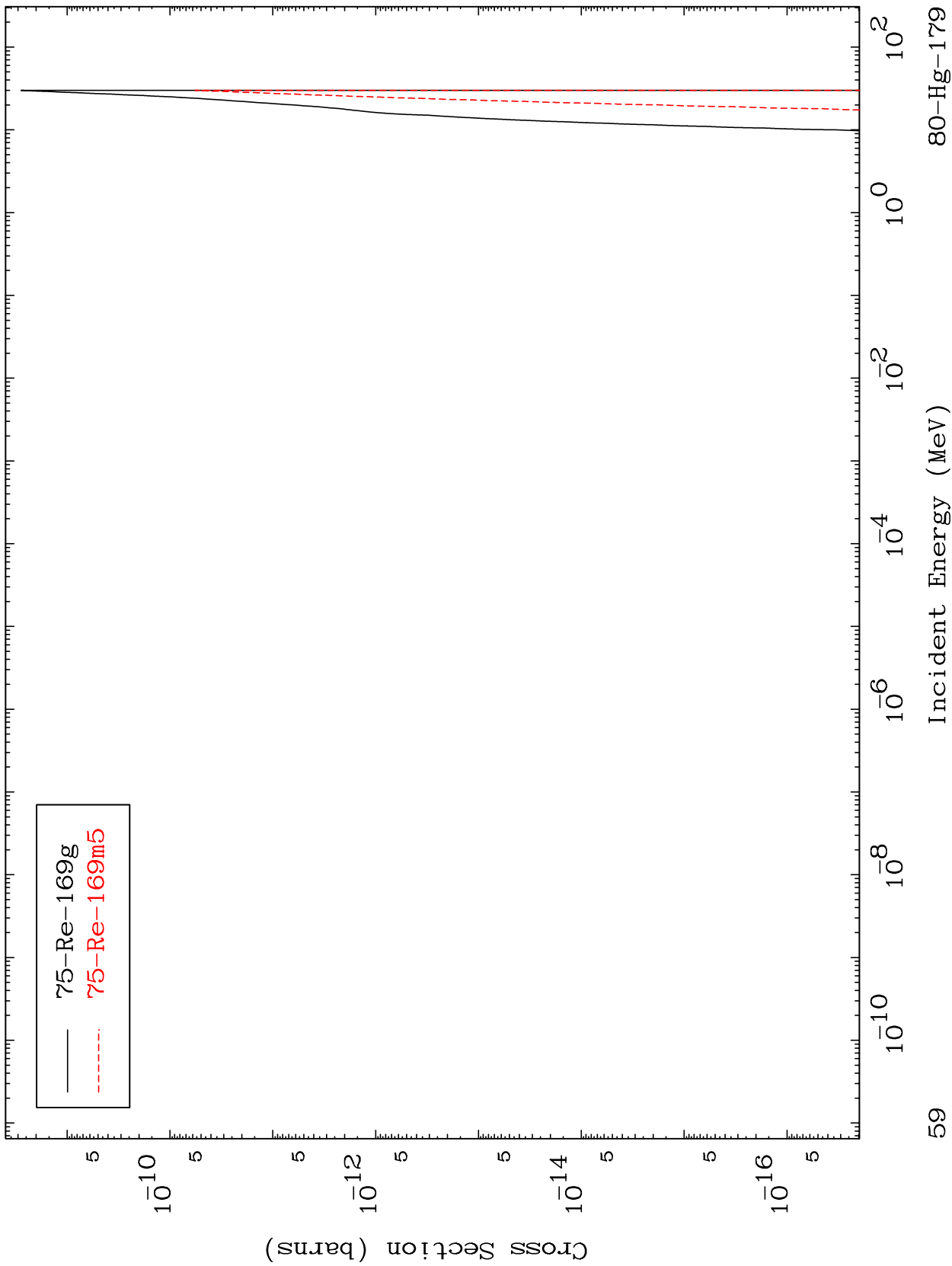


MAT 7974

(n,t) 2 α

80-Hg-179

Radionuclide Production Cross Section

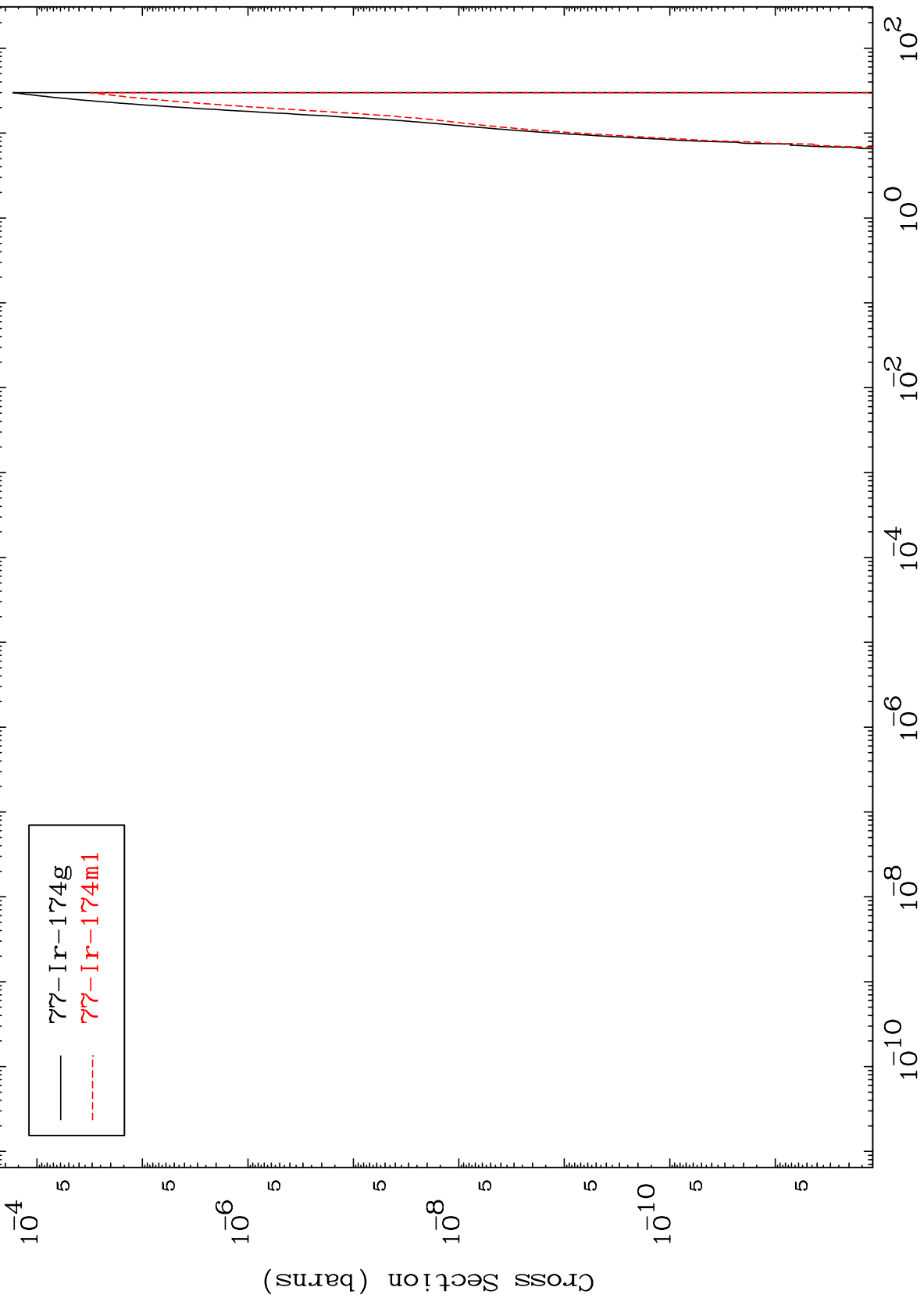


MAT 7974

(n,d) α

80-Hg-179

Radionuclide Production Cross Section



— $^{77}\text{Ir-174g}$
- - - $^{77}\text{Ir-174m1}$

60

Incident Energy (MeV)

80-Hg-179