

Program EVALPLOT
(Version 2021-1)

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

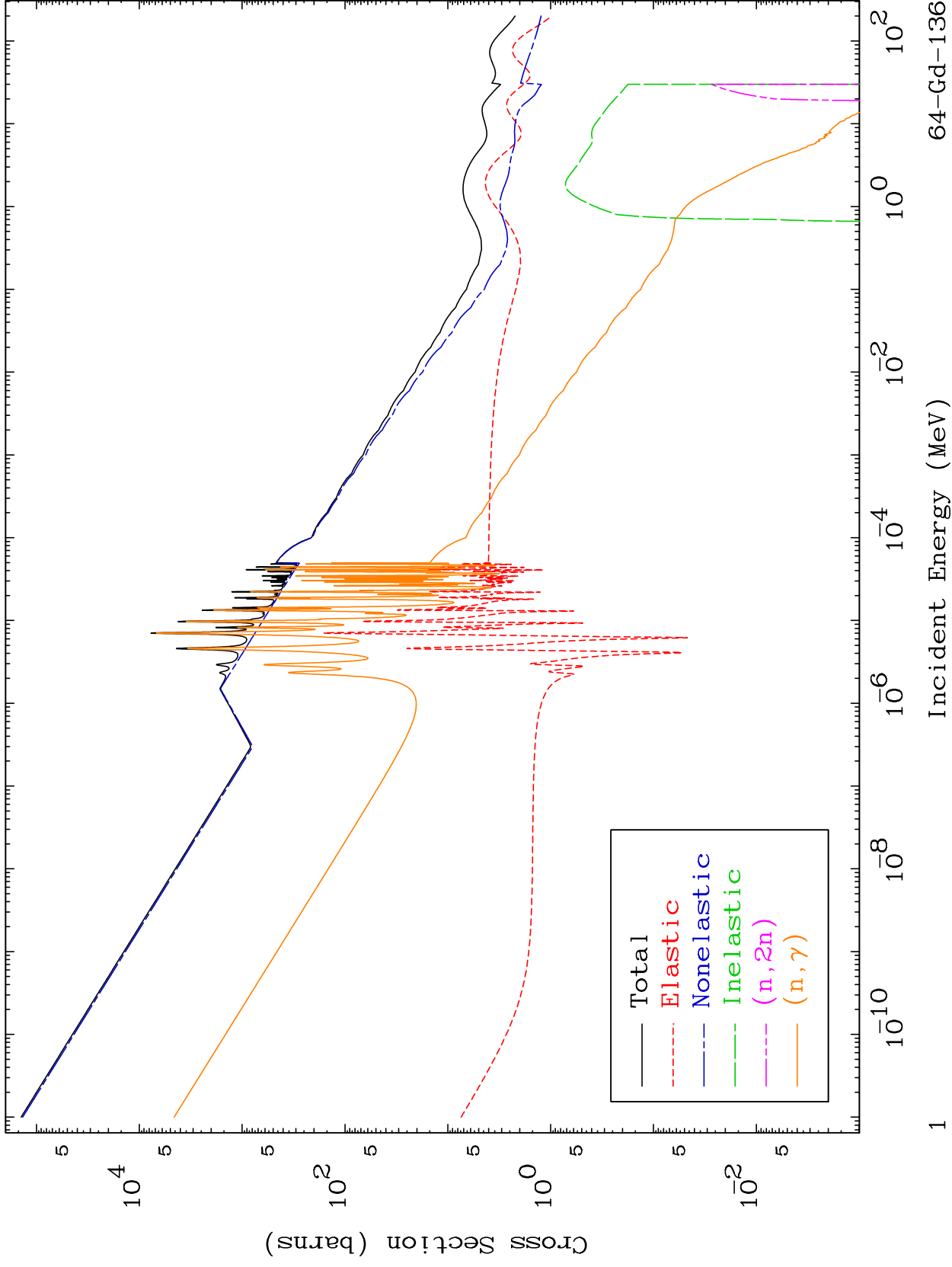
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6377

Neutron Major
293 Kelvin Cross Sections

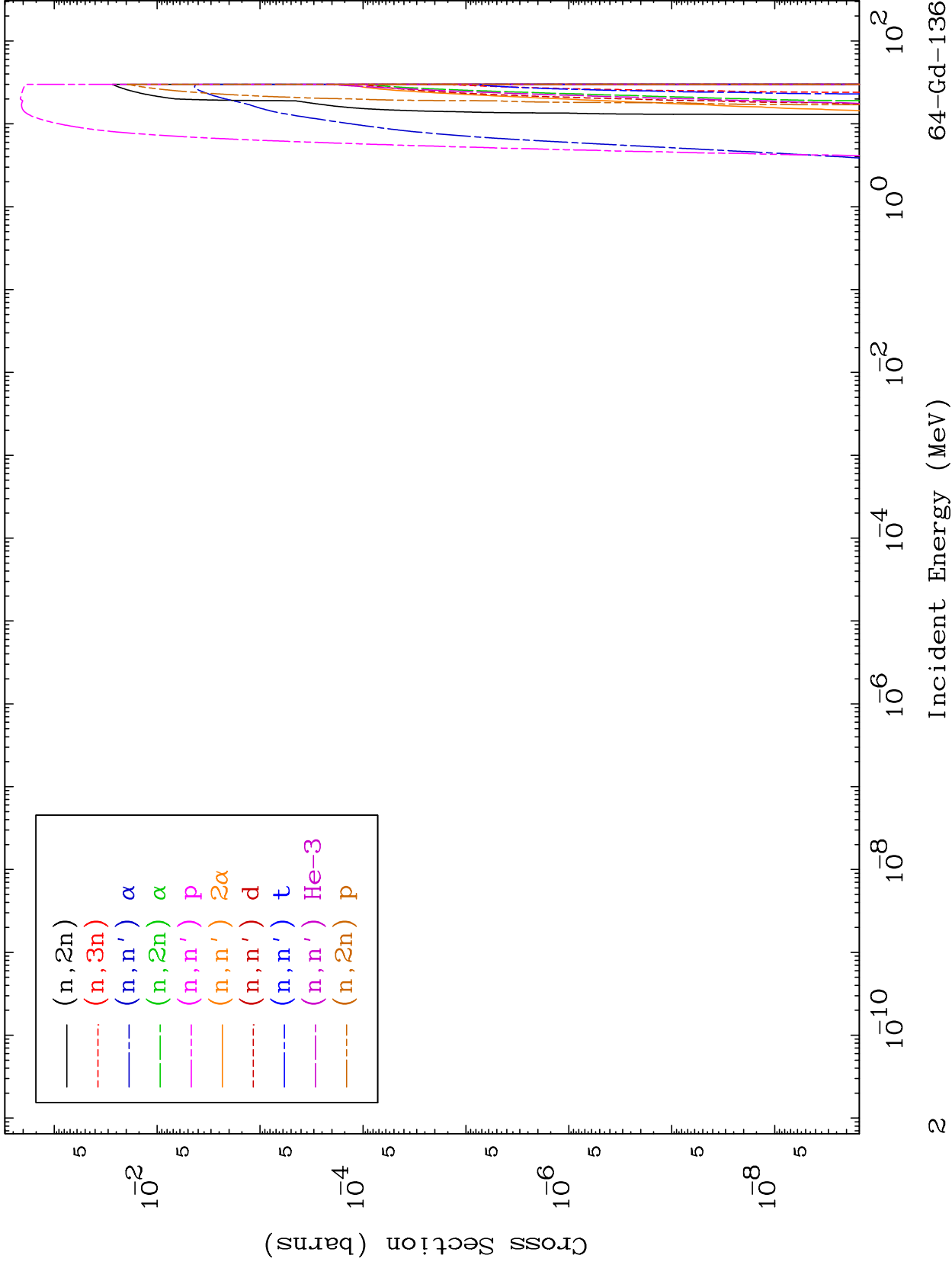
64-Gd-136



MAT 6377

Neutron Absorption
293 Kelvin Cross Sections

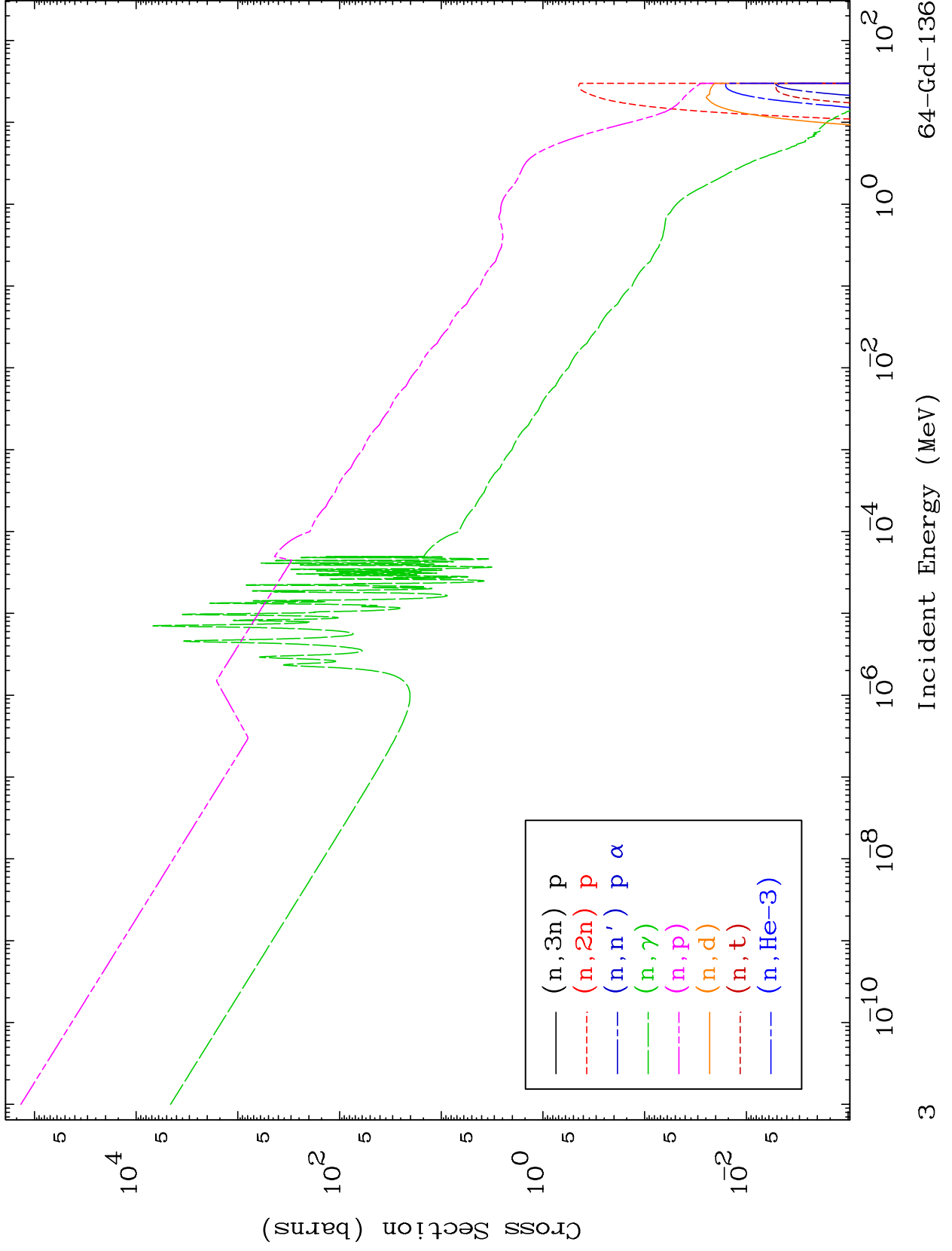
64-Gd-136



MAT 63777

Neutron Absorption
293 Kelvin Cross Sections

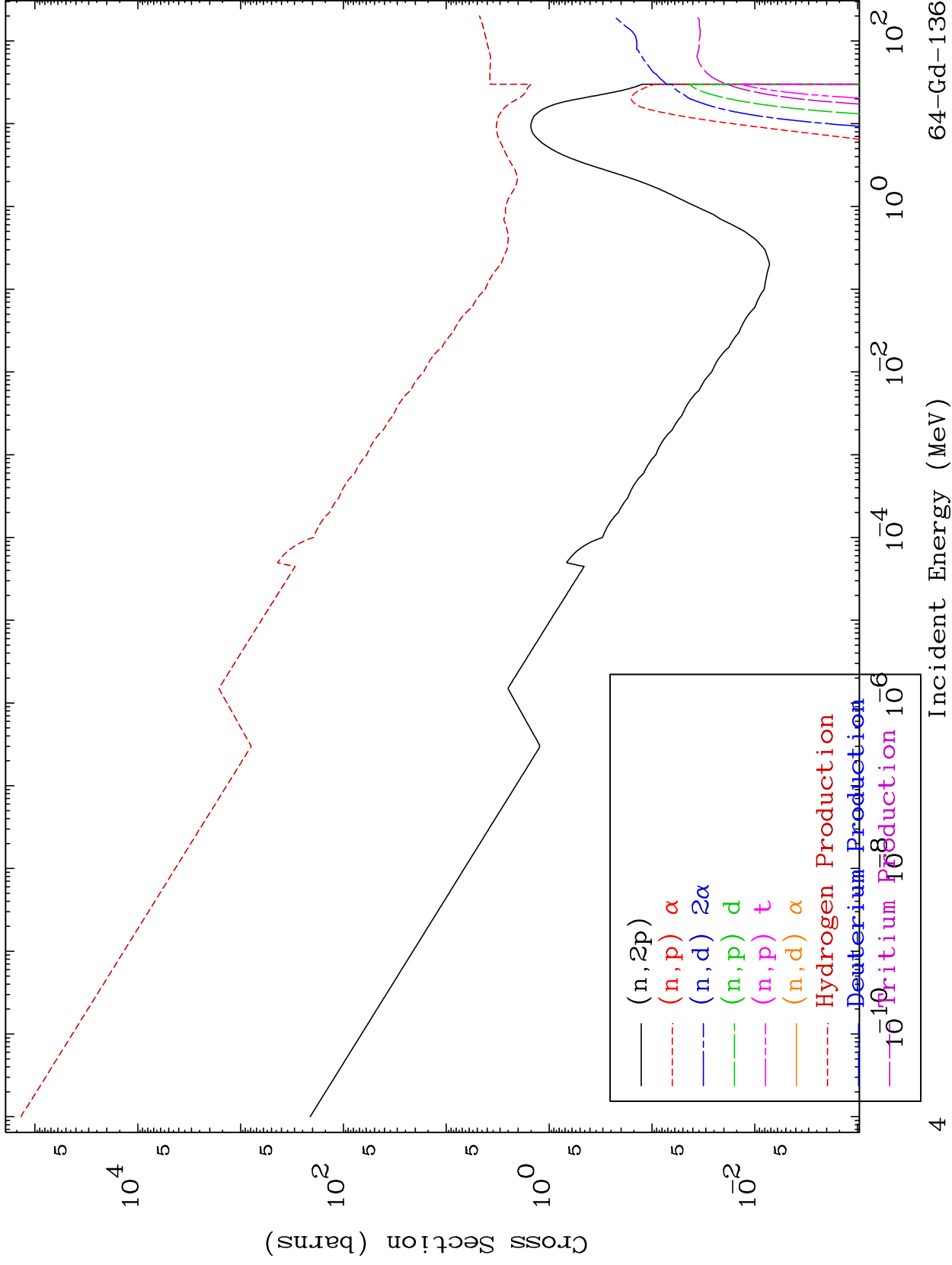
64-Gd-136



MAT 6377

Neutron Absorption
293 Kelvin Cross Sections

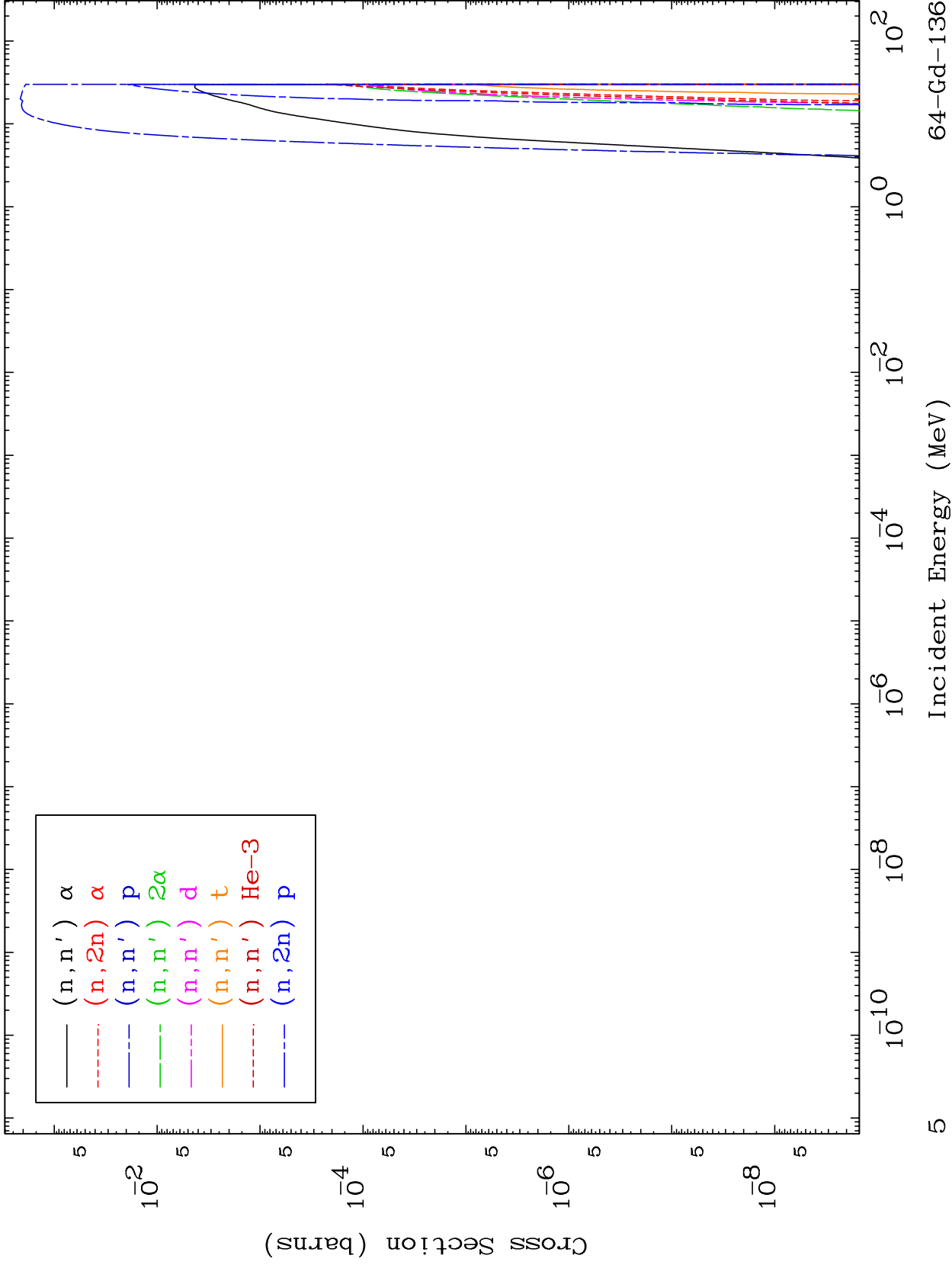
64-Gd-136



MAT 6377

Charged Particle
293 Kelvin Cross Sections

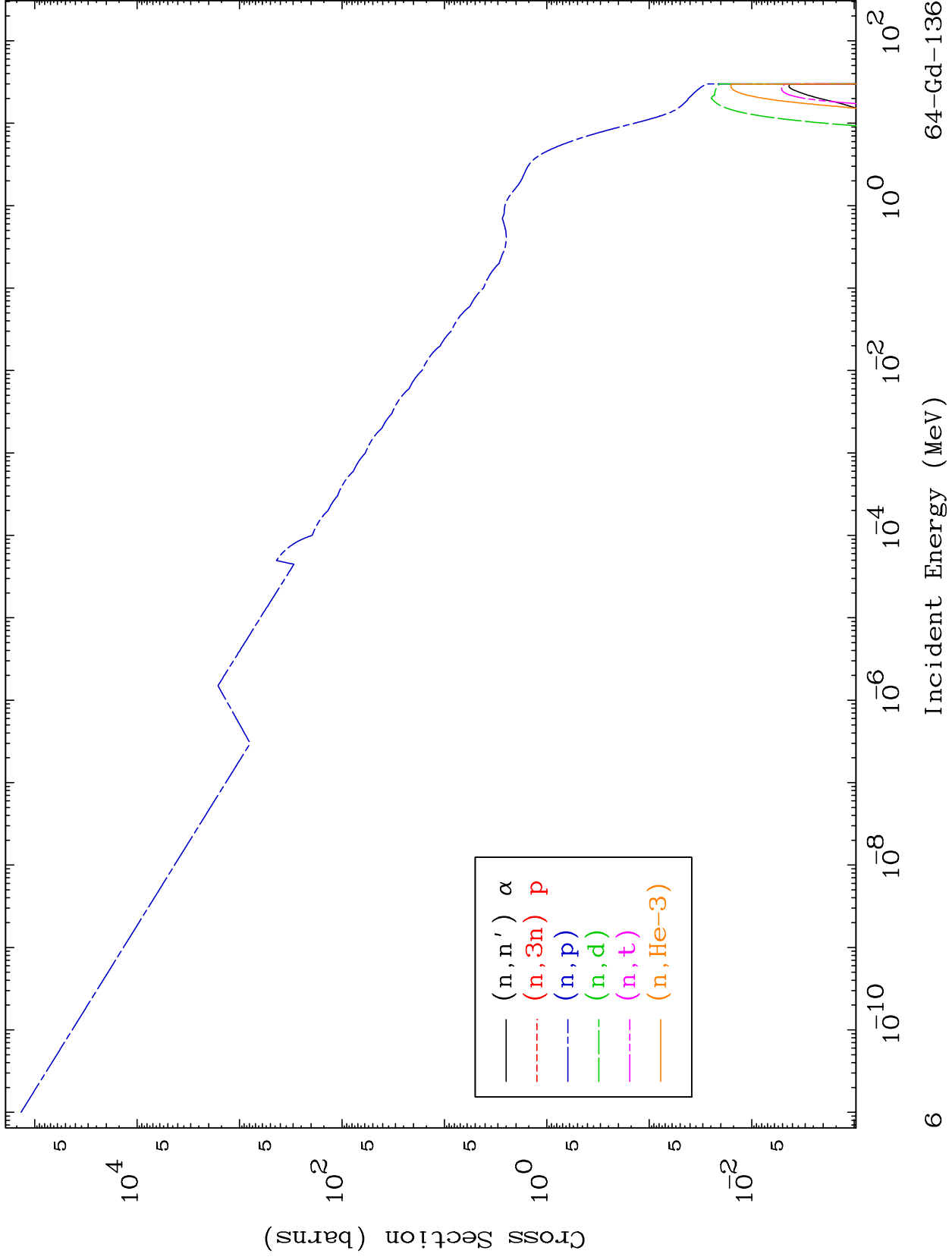
64-Gd-136



MAT 63777

Charged Particle
293 Kelvin Cross Sections

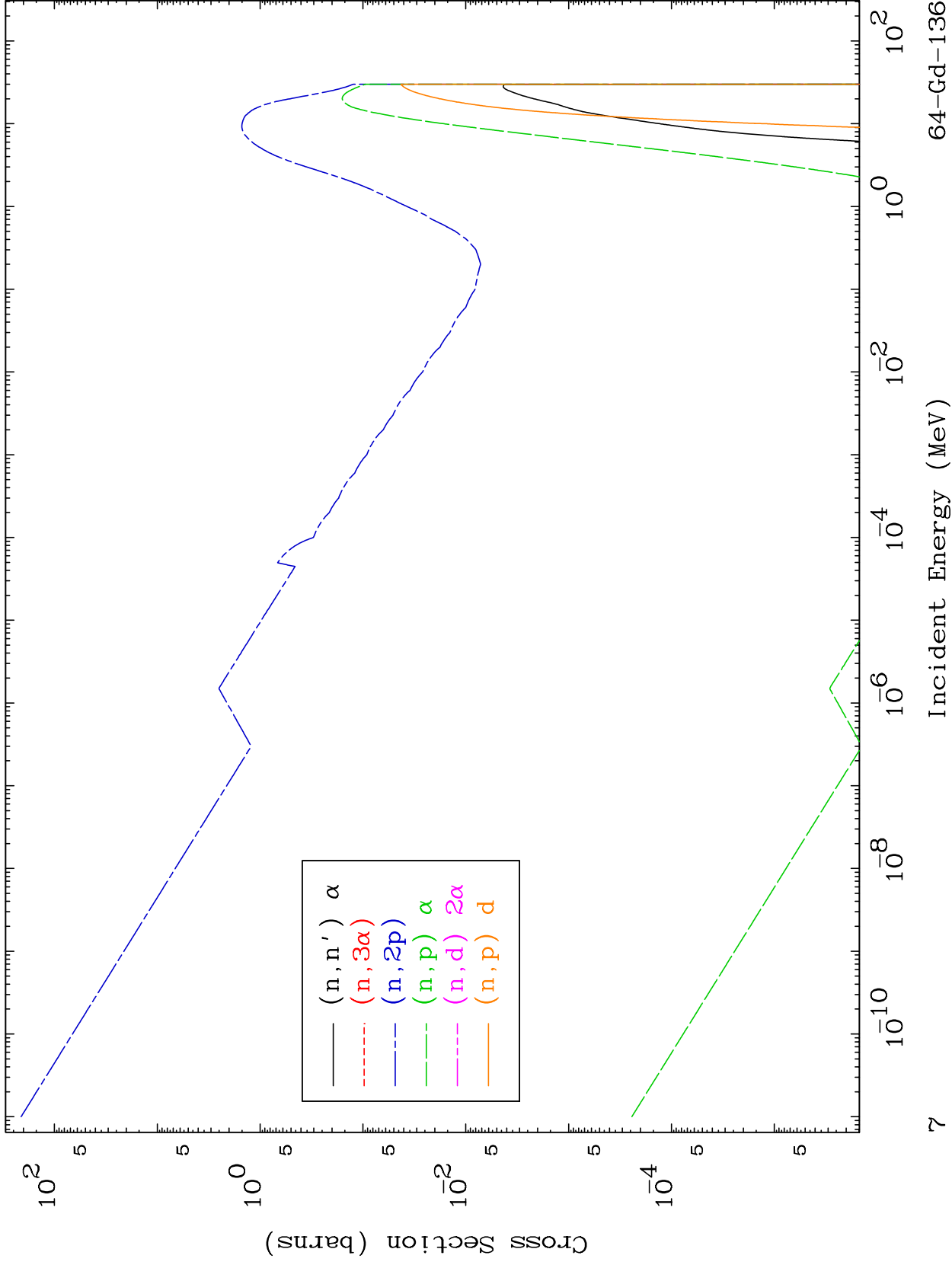
64-Gd-136

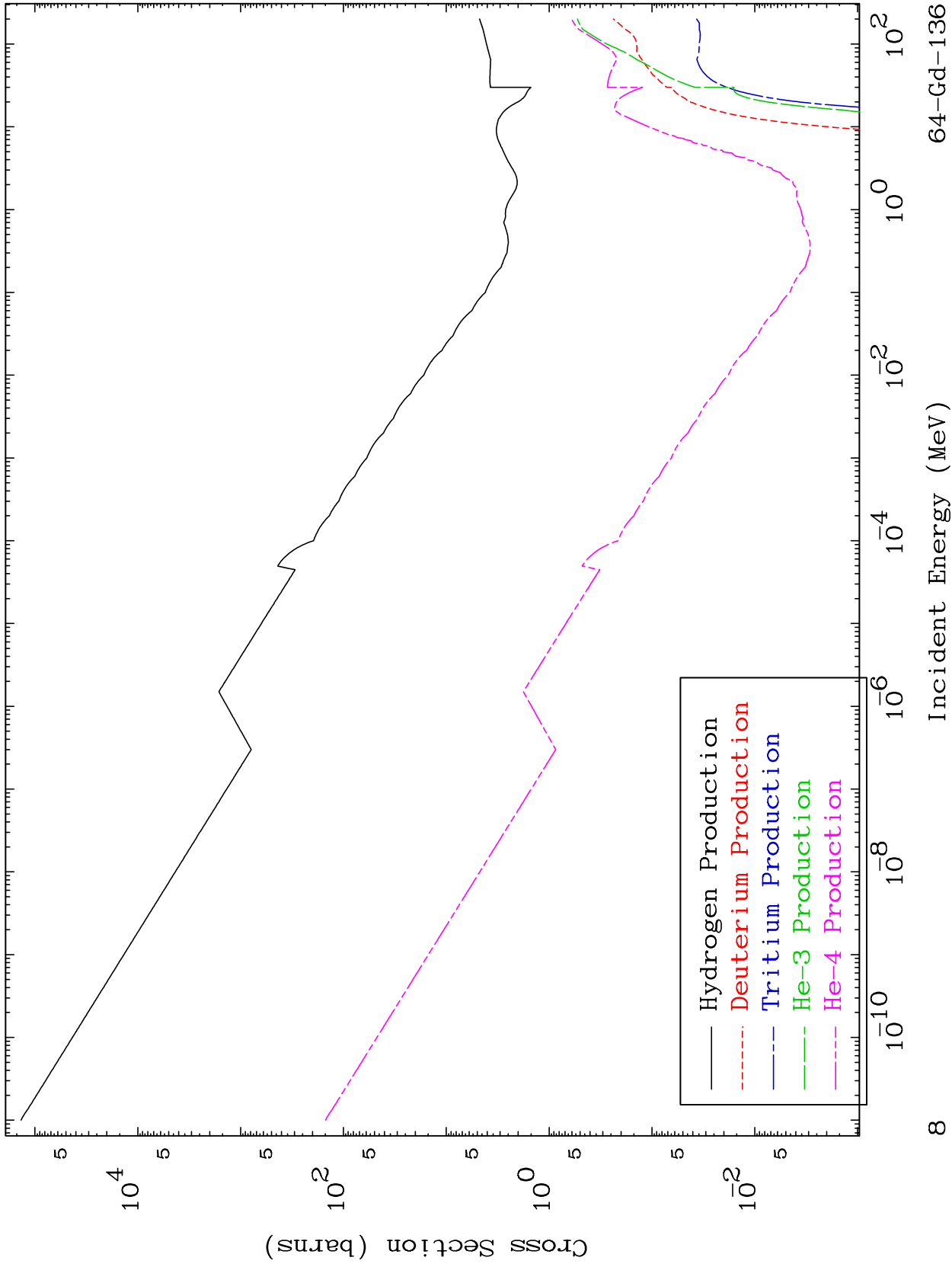


MAT 6377

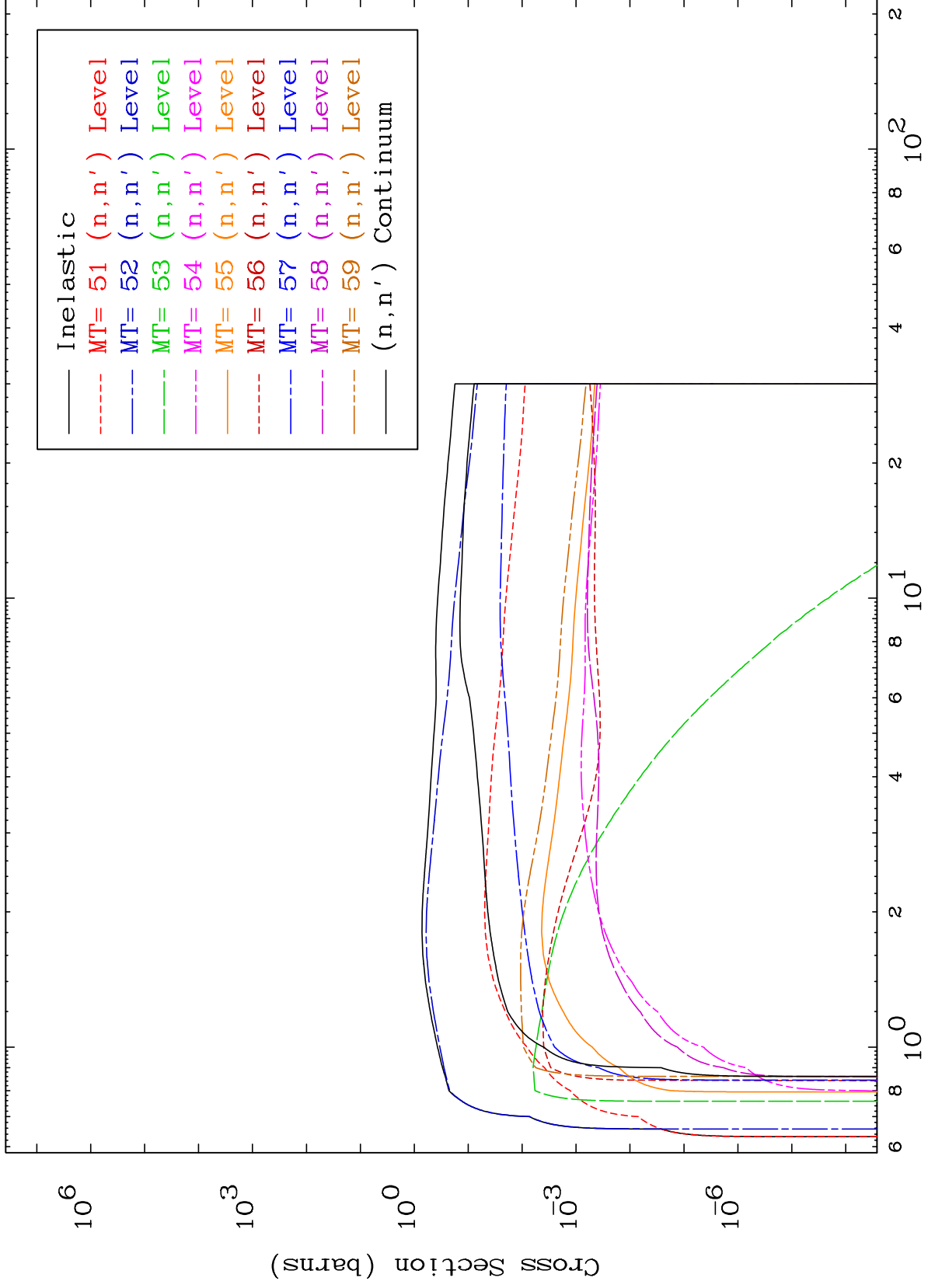
Charged Particle
293 Kelvin Cross Sections

64-Gd-136





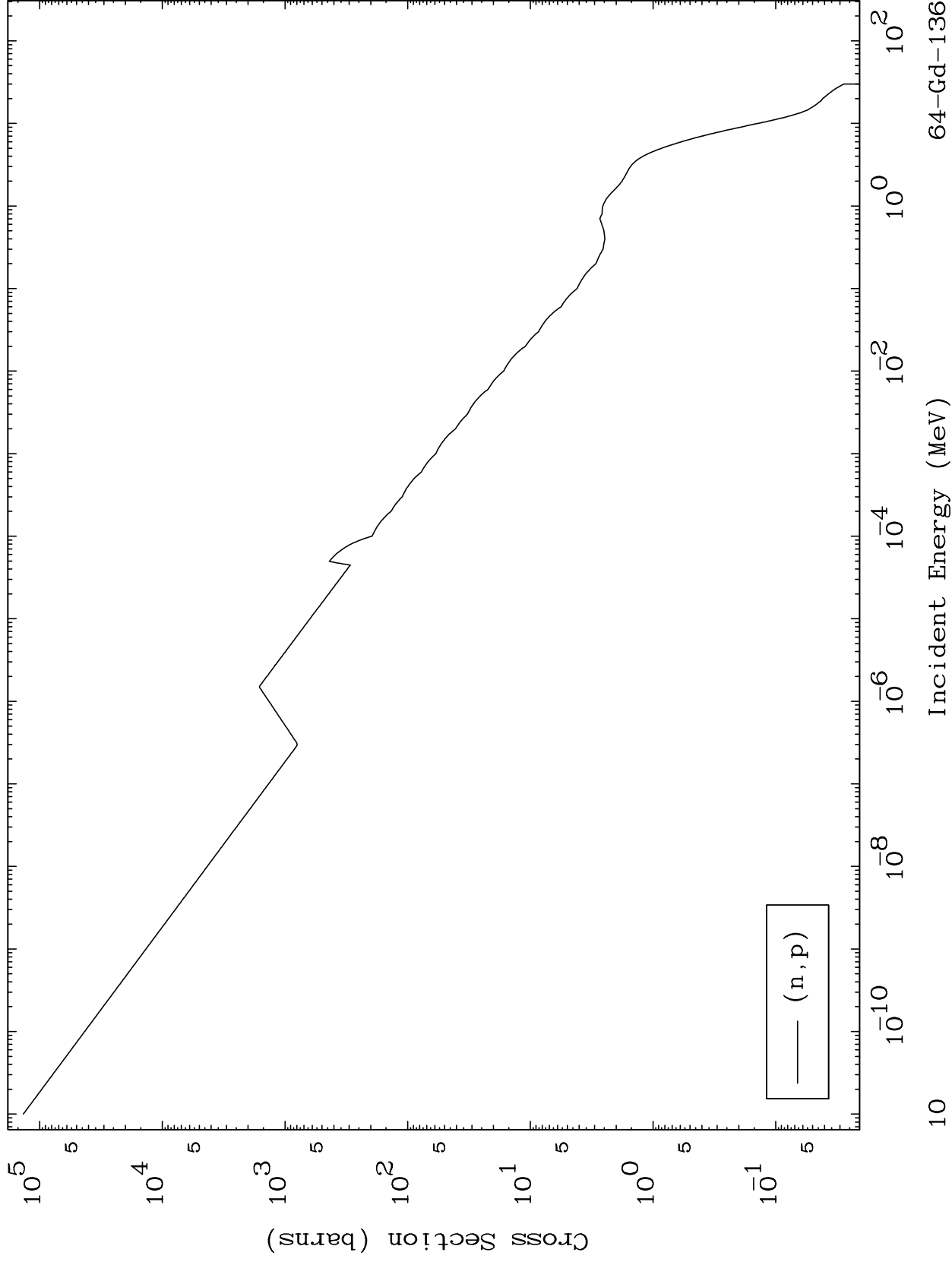
293 Kelvin Cross Sections



MAT 63777

(n,p) Levels
293 Kelvin Cross Sections

64-Gd-136



10

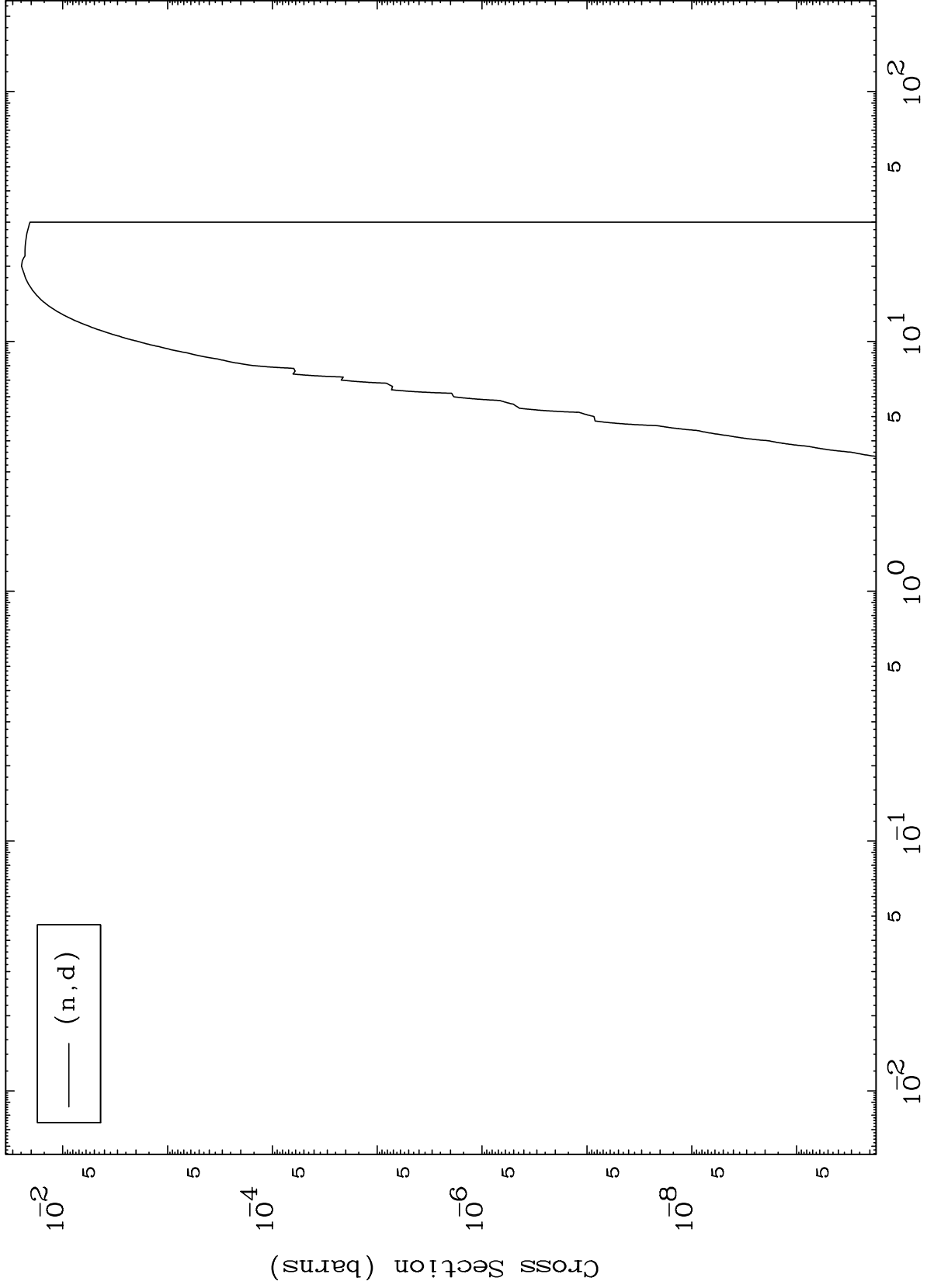
Incident Energy (MeV)

64-Gd-136

MAT 6377

(n,d) Levels
293 Kelvin Cross Sections

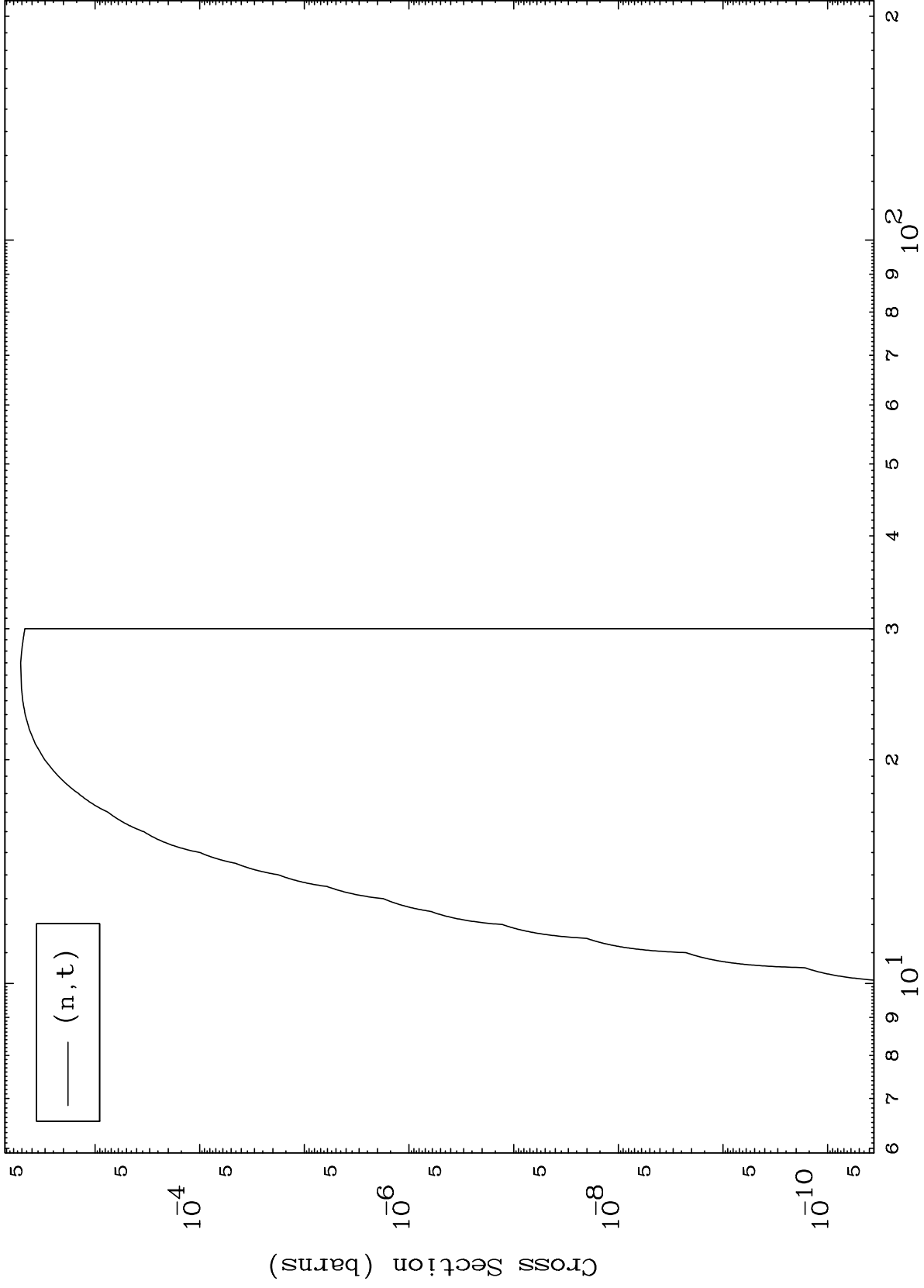
64-Gd-136



MAT 6377

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-136



12

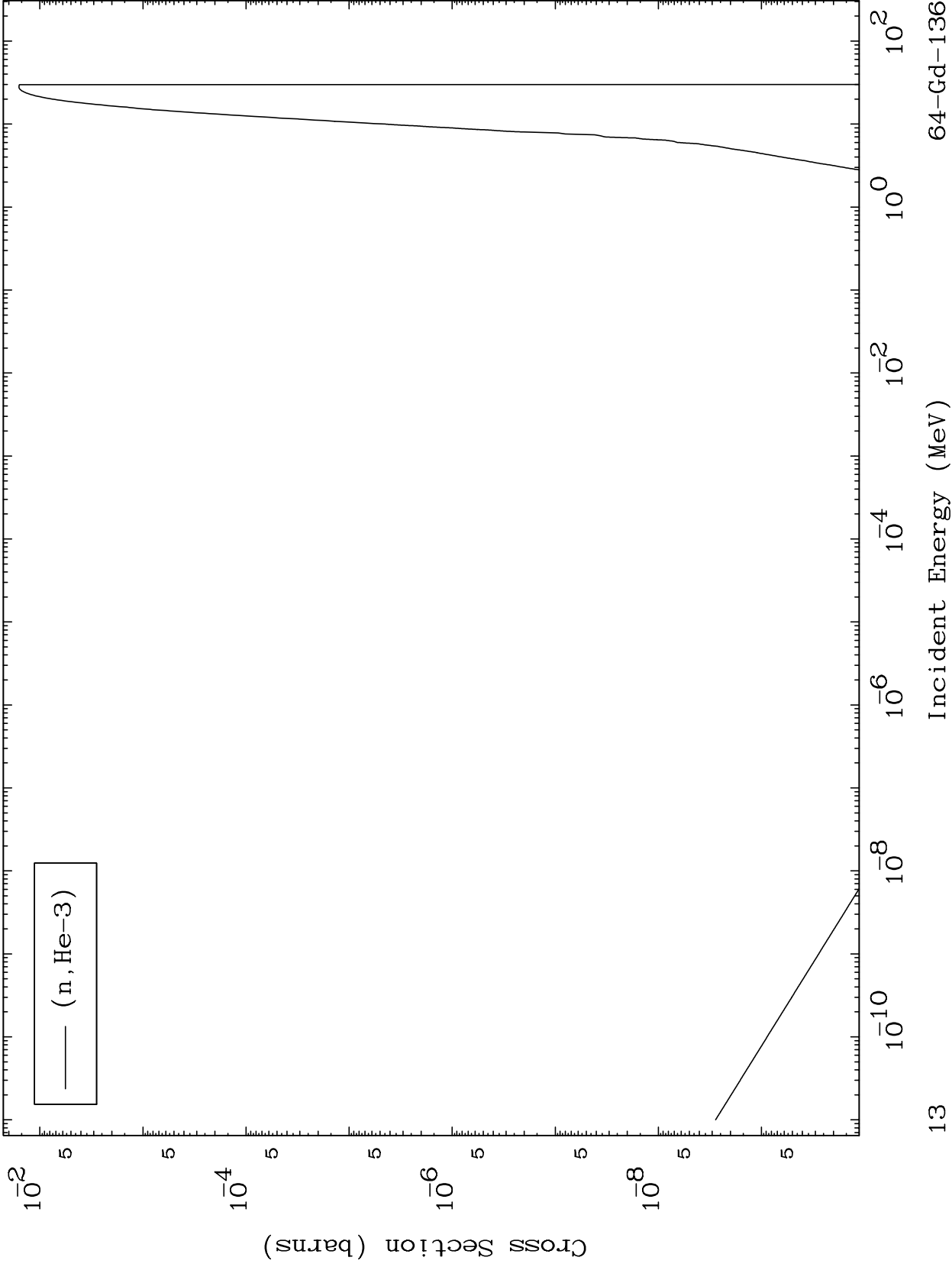
Incident Energy (MeV)

64-Gd-136

MAT 6377

(n,He3) Levels
293 Kelvin Cross Sections

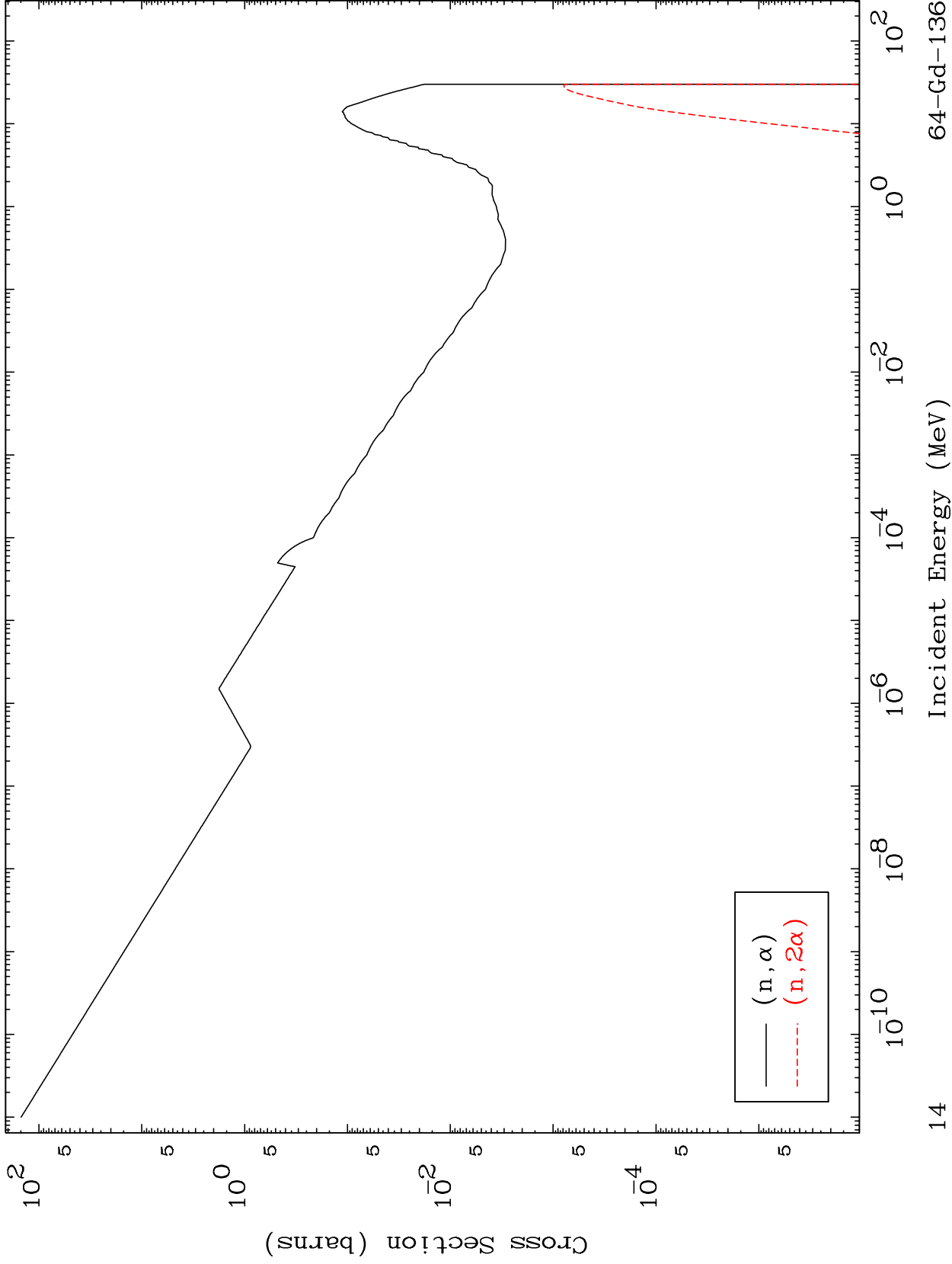
64-Gd-136



MAT 63777

(n, α) Levels
293 Kelvin Cross Sections

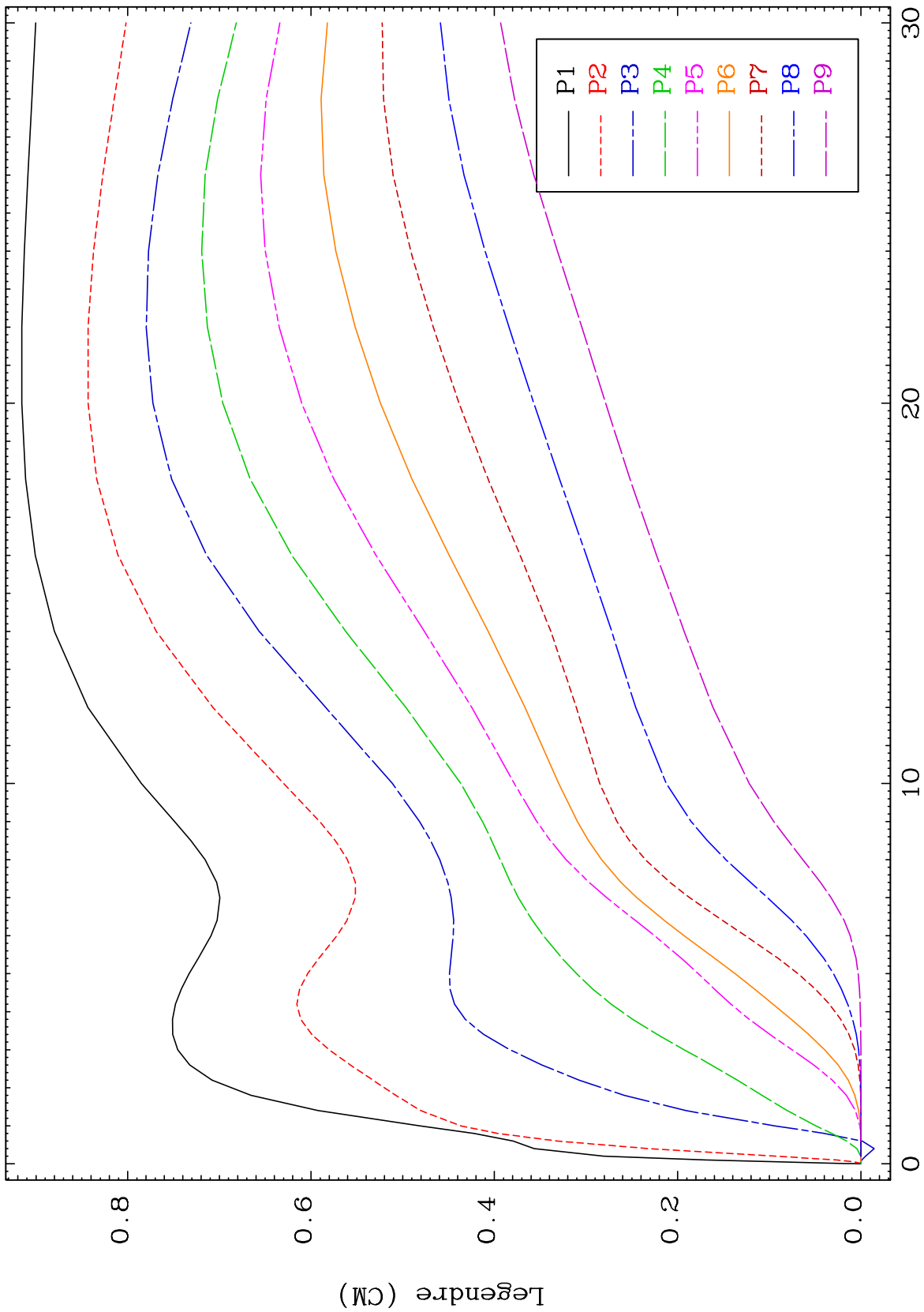
64-Gd-136



MAT 6377

Elastic Legendre Coefficients

64-Gd-136



15

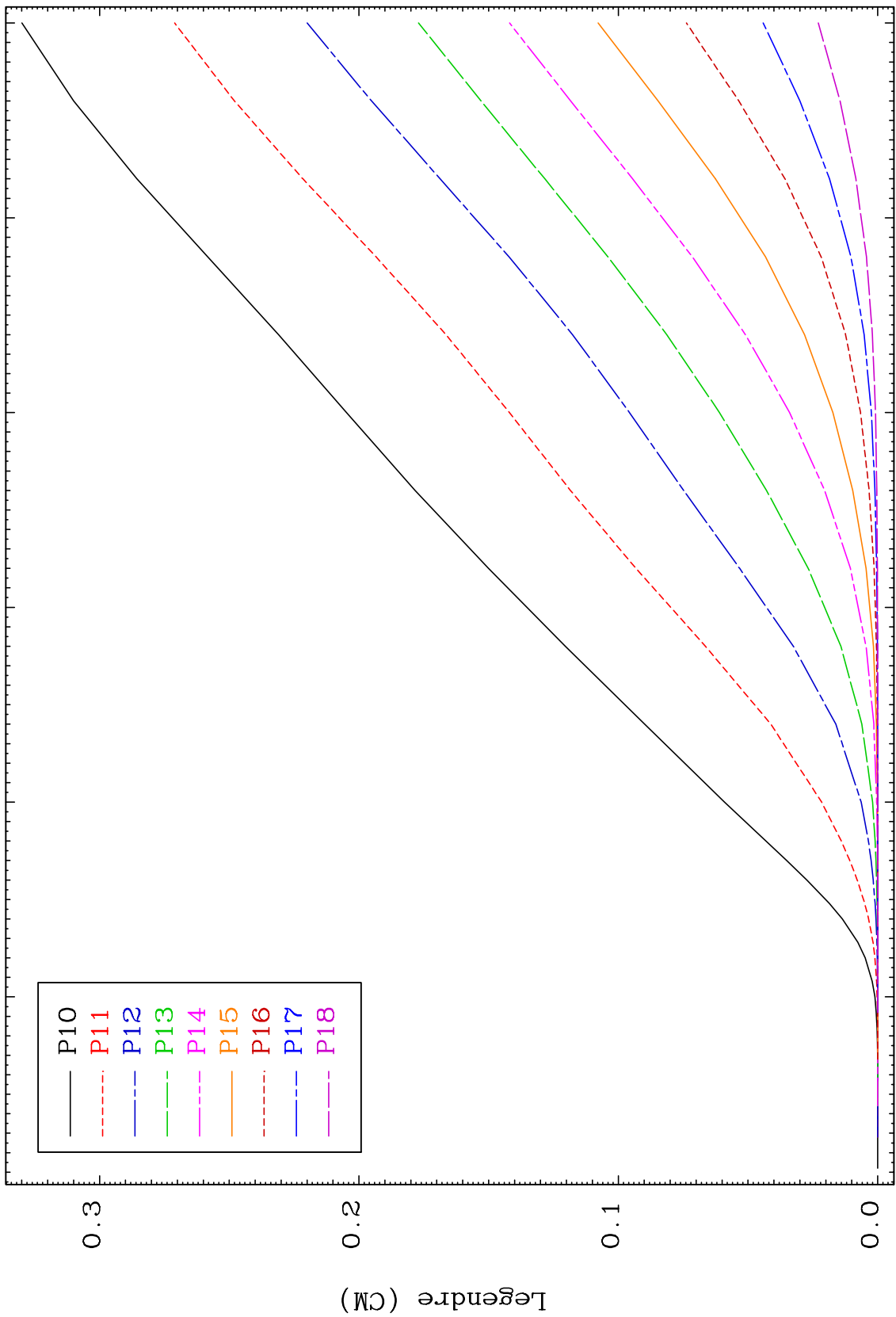
Incident Energy (MeV)

64-Gd-136

MAT 6377

Elastic Legendre Coefficients

64-Gd-136



16

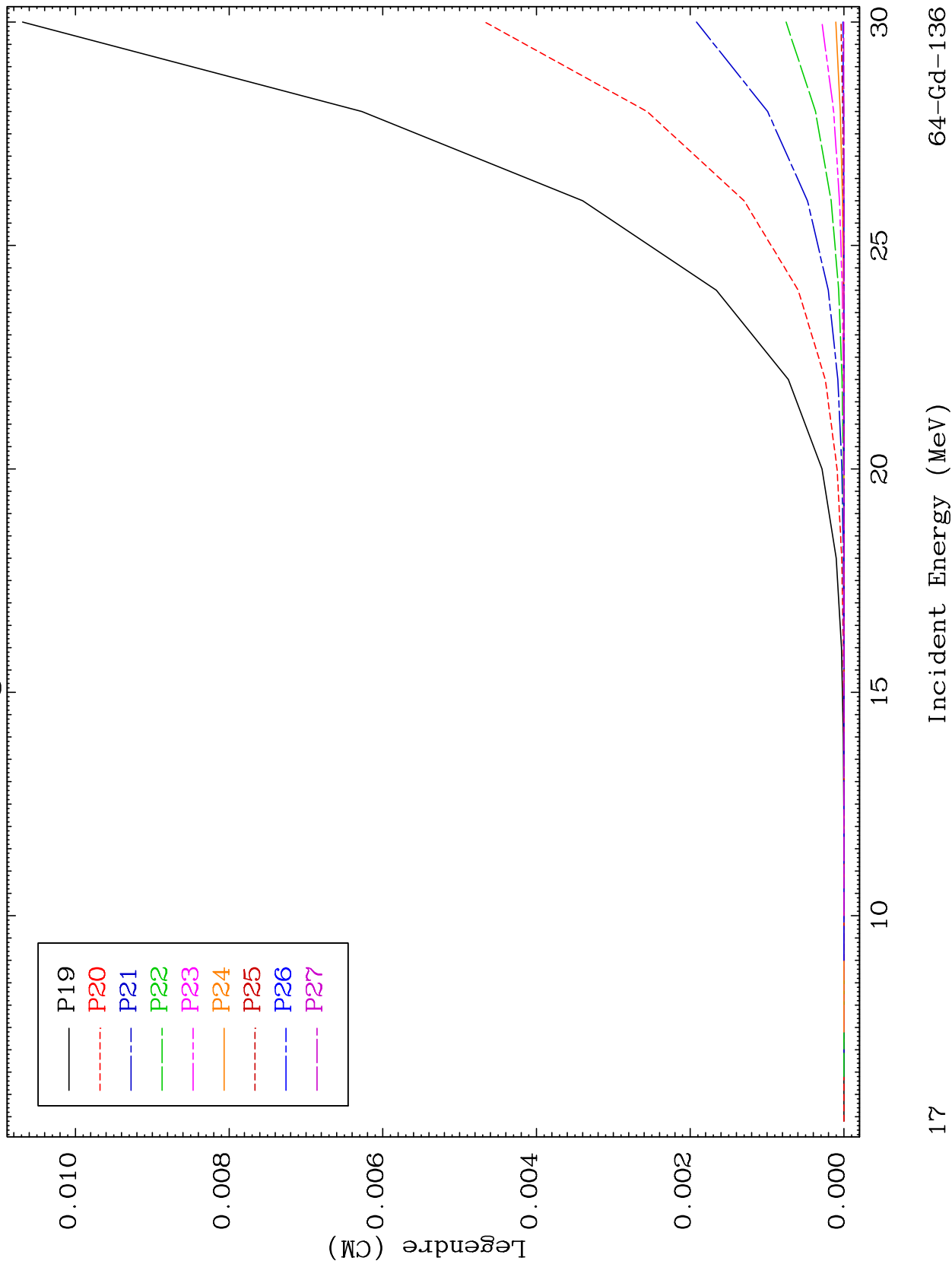
Incident Energy (MeV)

64-Gd-136

MAT 6377

Elastic Legendre Coefficients

64-Gd-136



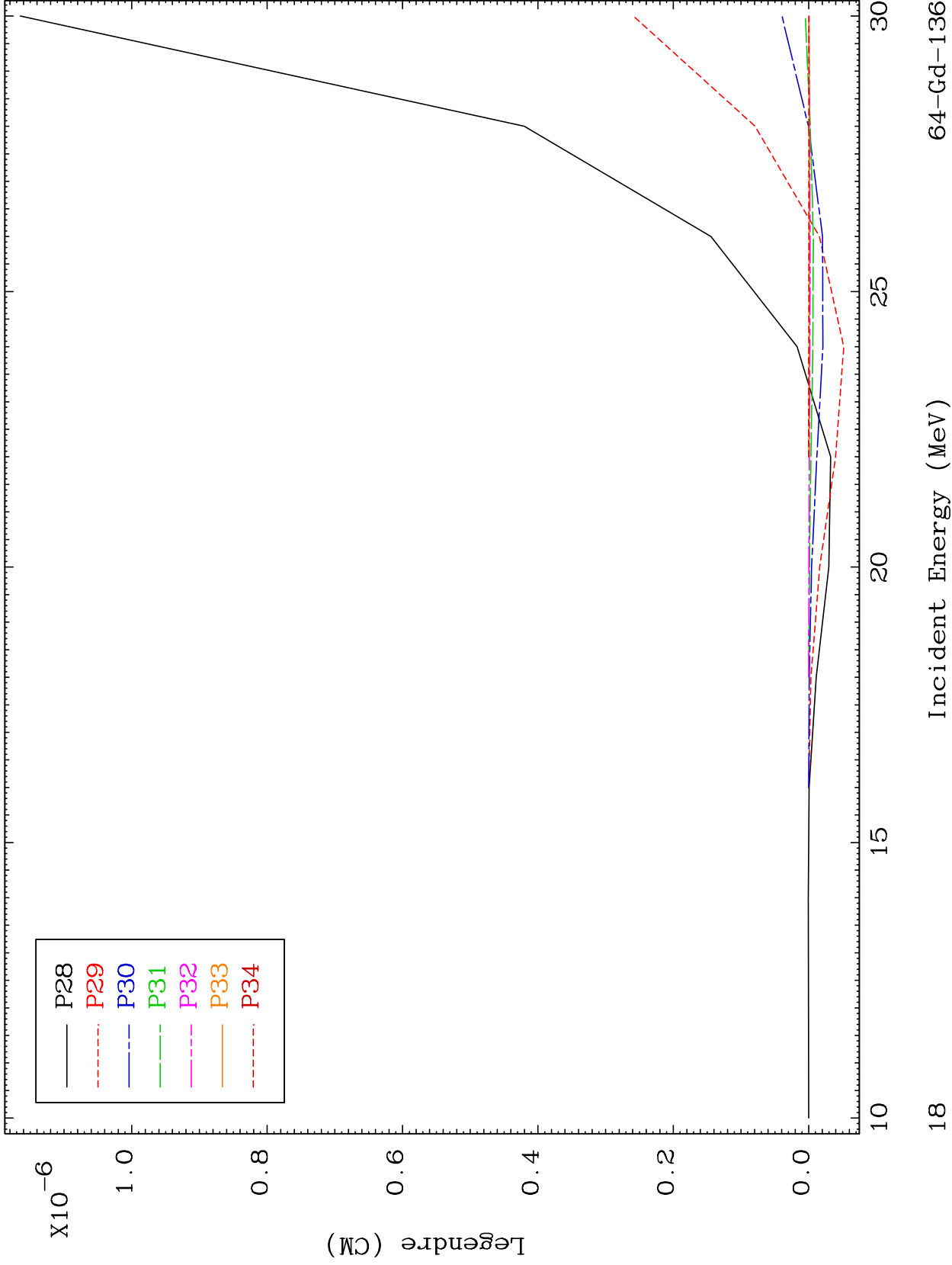
17

64-Gd-136

MAT 6377

Elastic
Legendre Coefficients

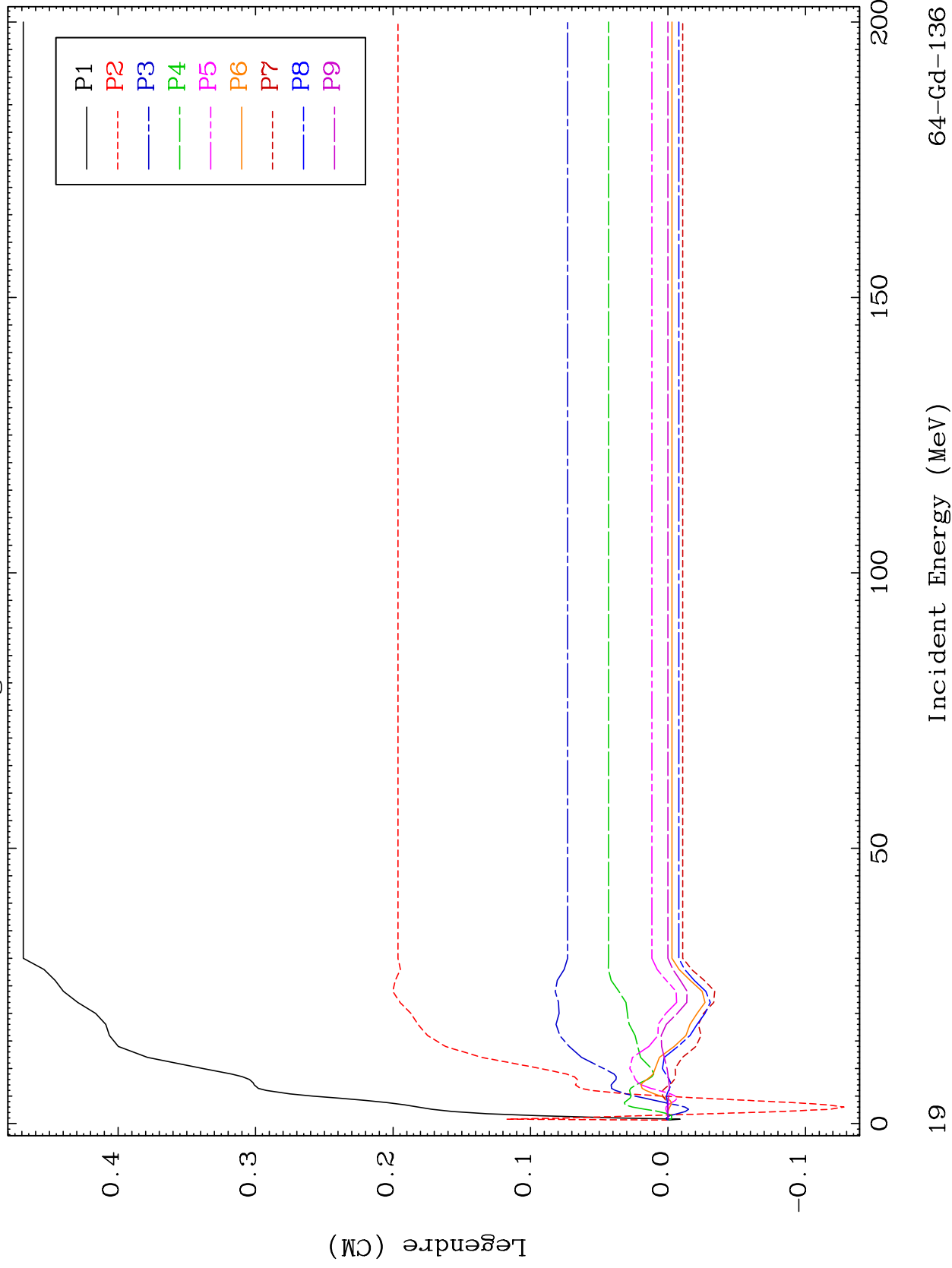
64-Gd-136



MAT 6377

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

64-Gd-136



64-Gd-136

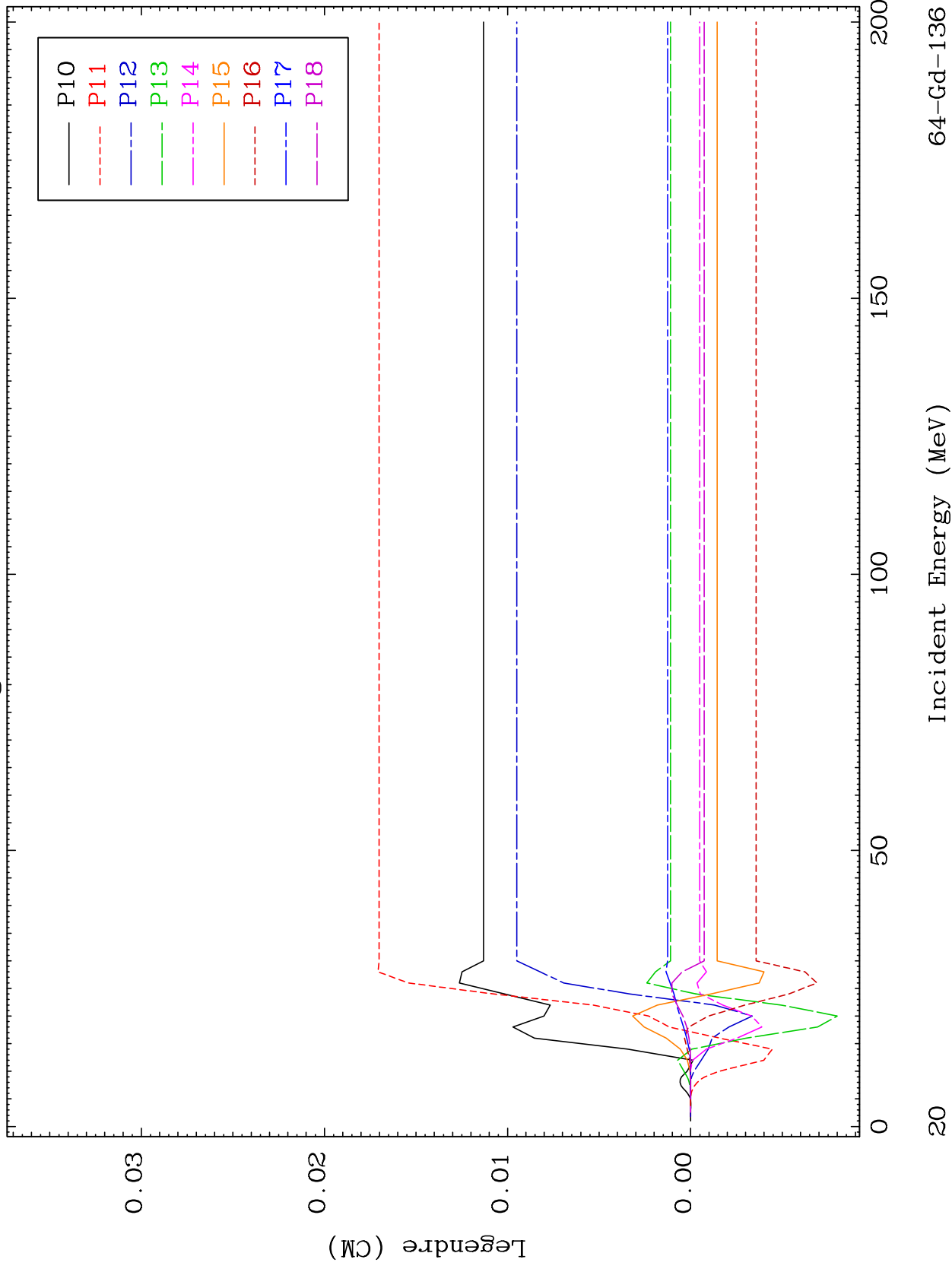
Incident Energy (MeV)

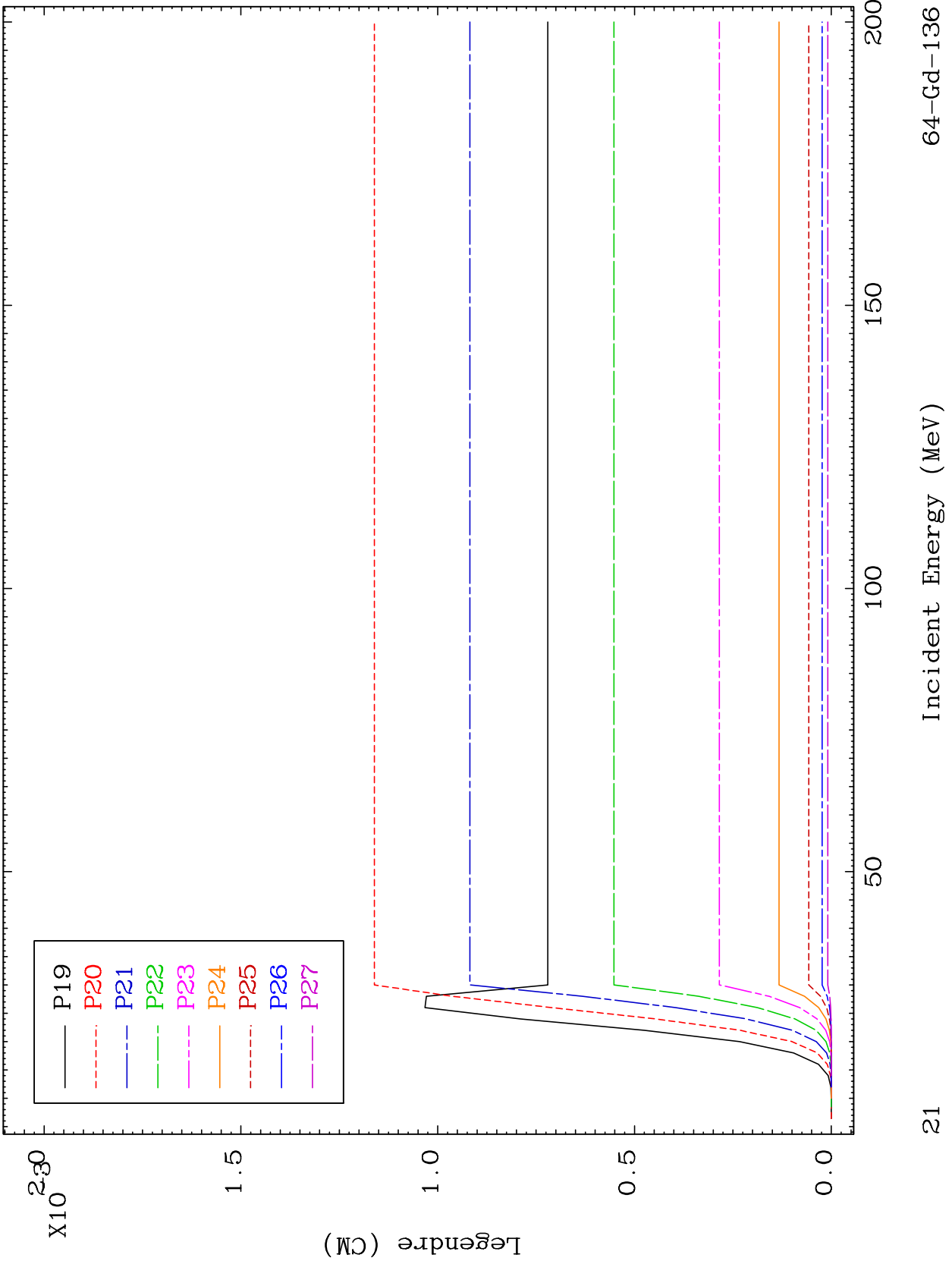
19

MAT 6377

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

64-Gd-136

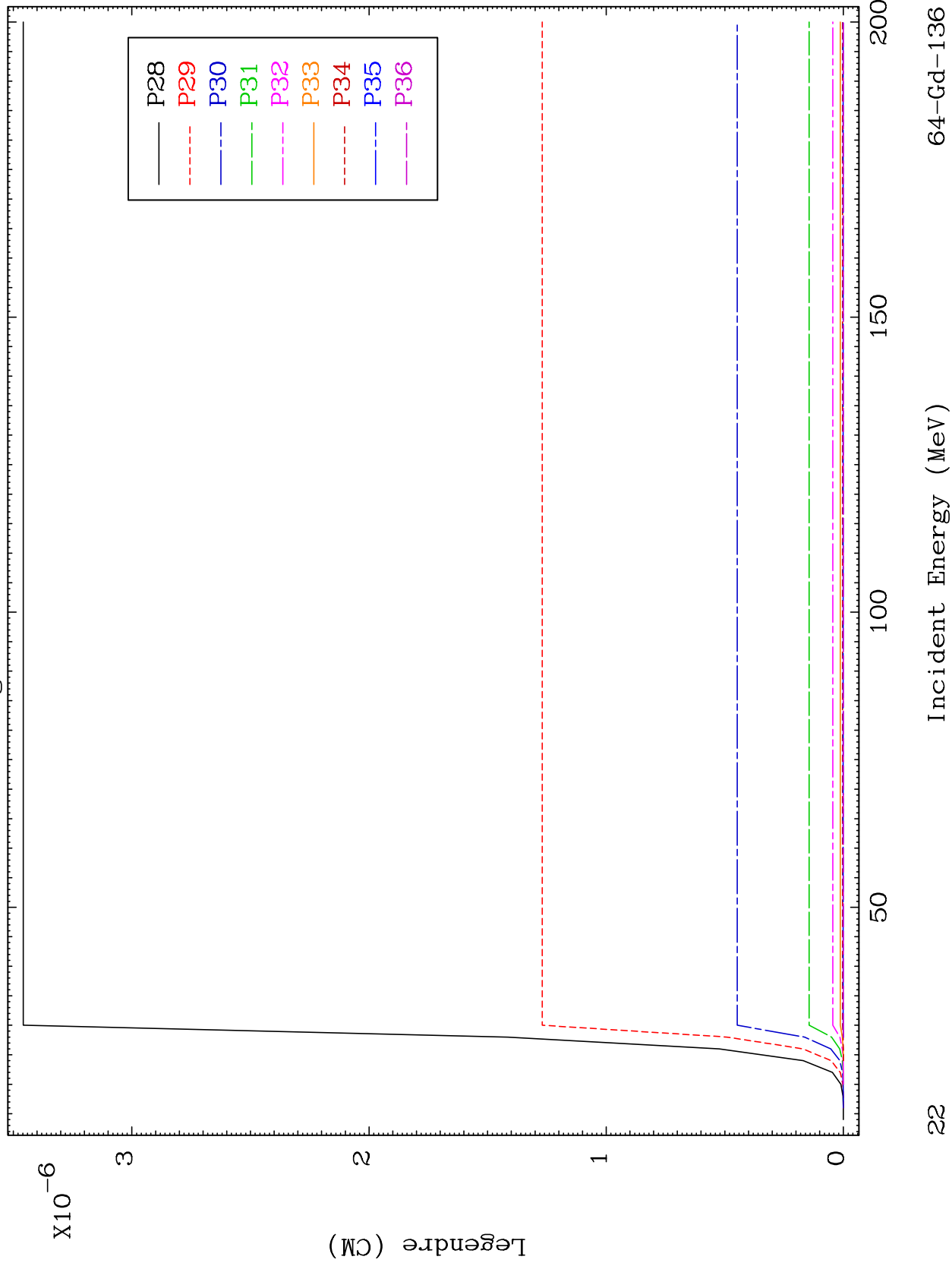


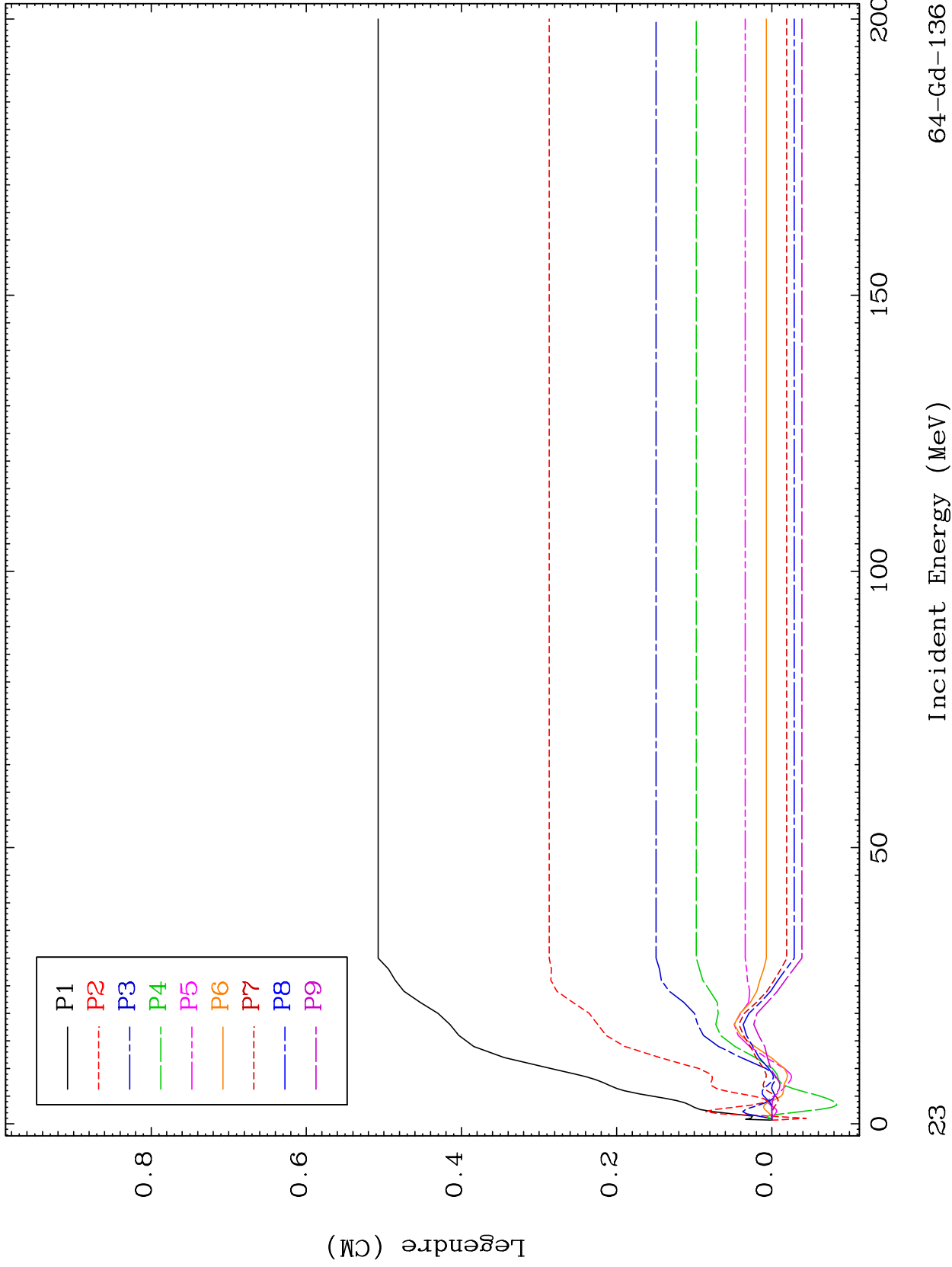


MAT 6377

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

64-Gd-136

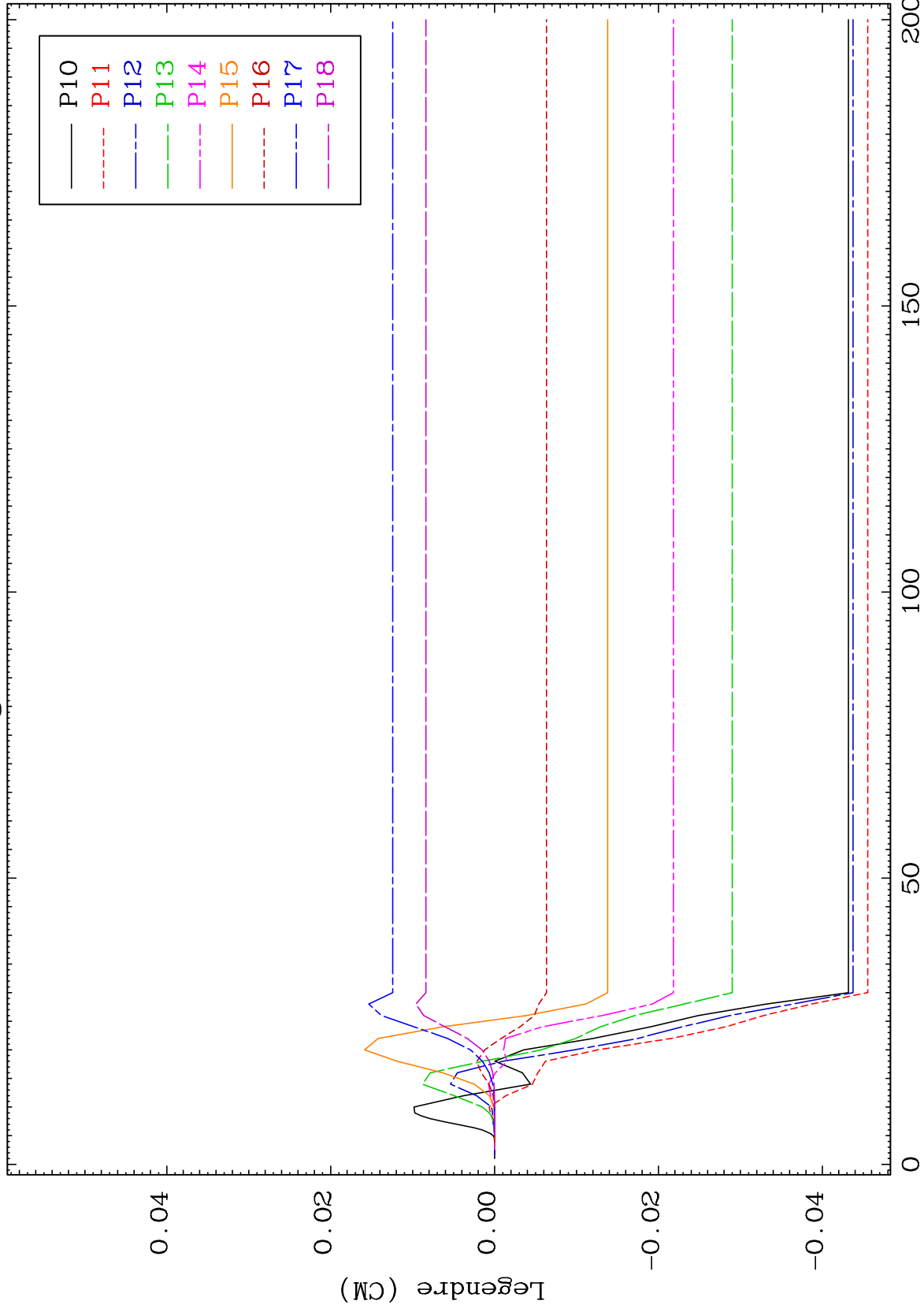




MAT 6377

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

64-Gd-136



24

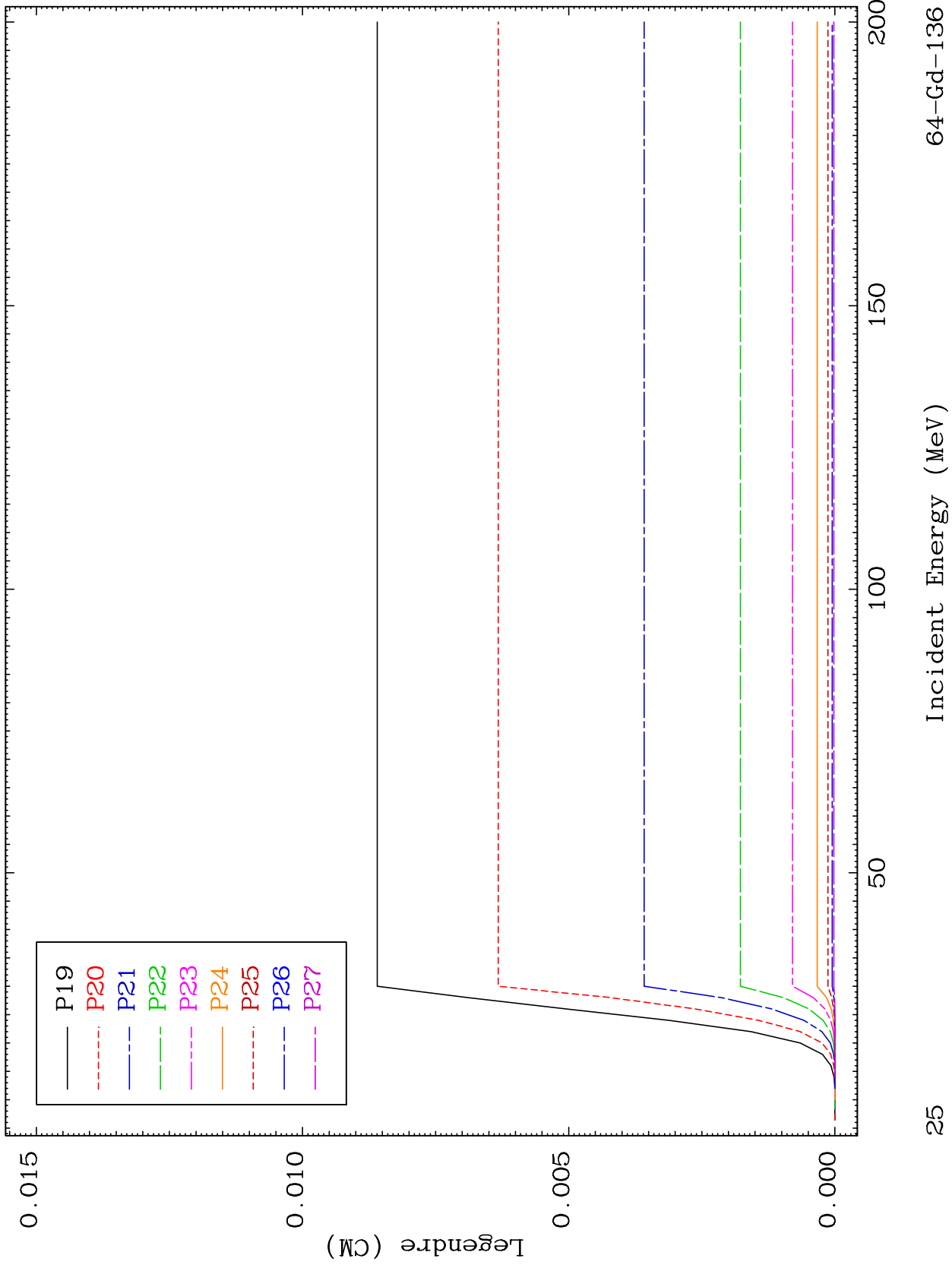
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



25

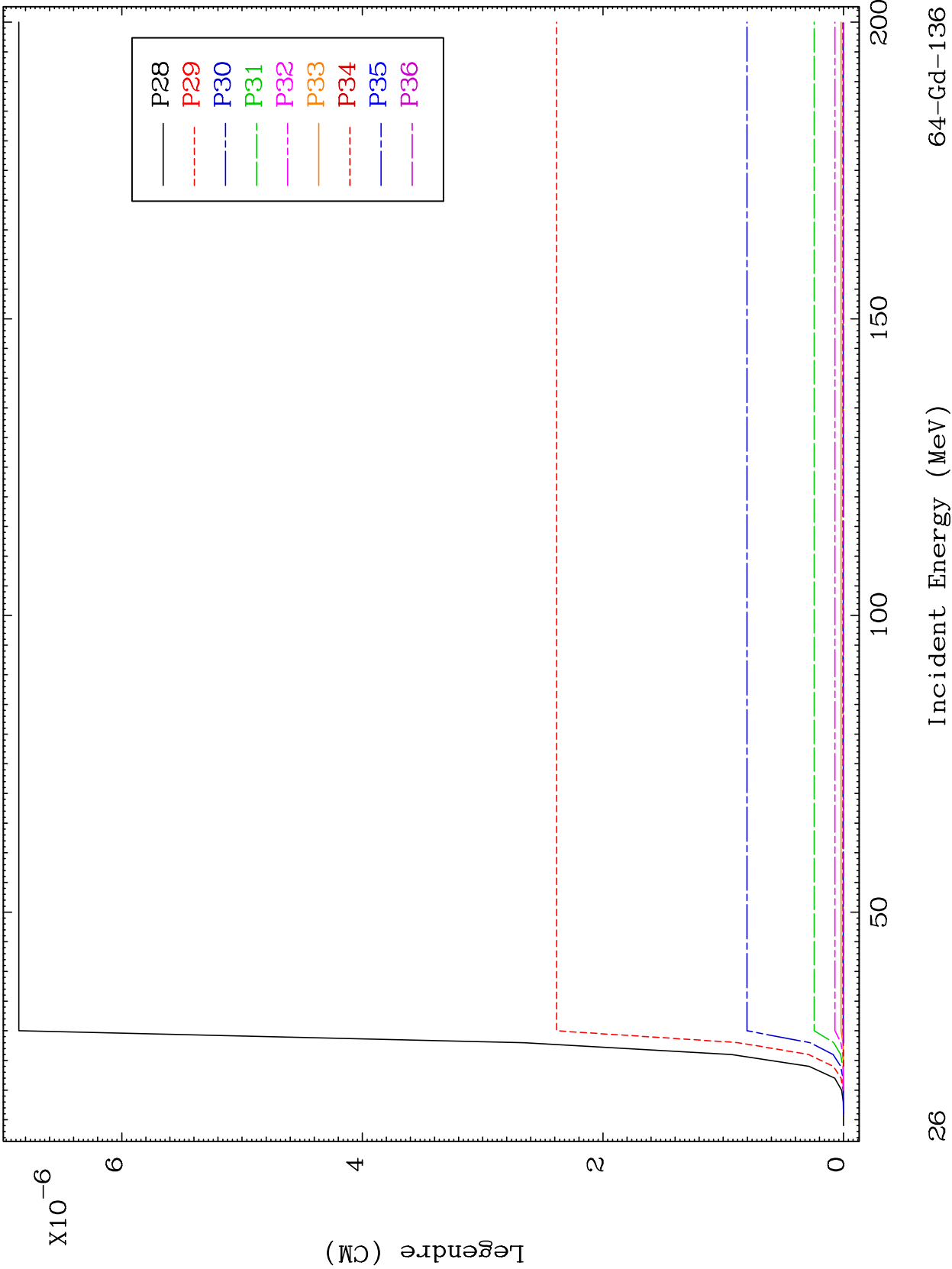
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



26

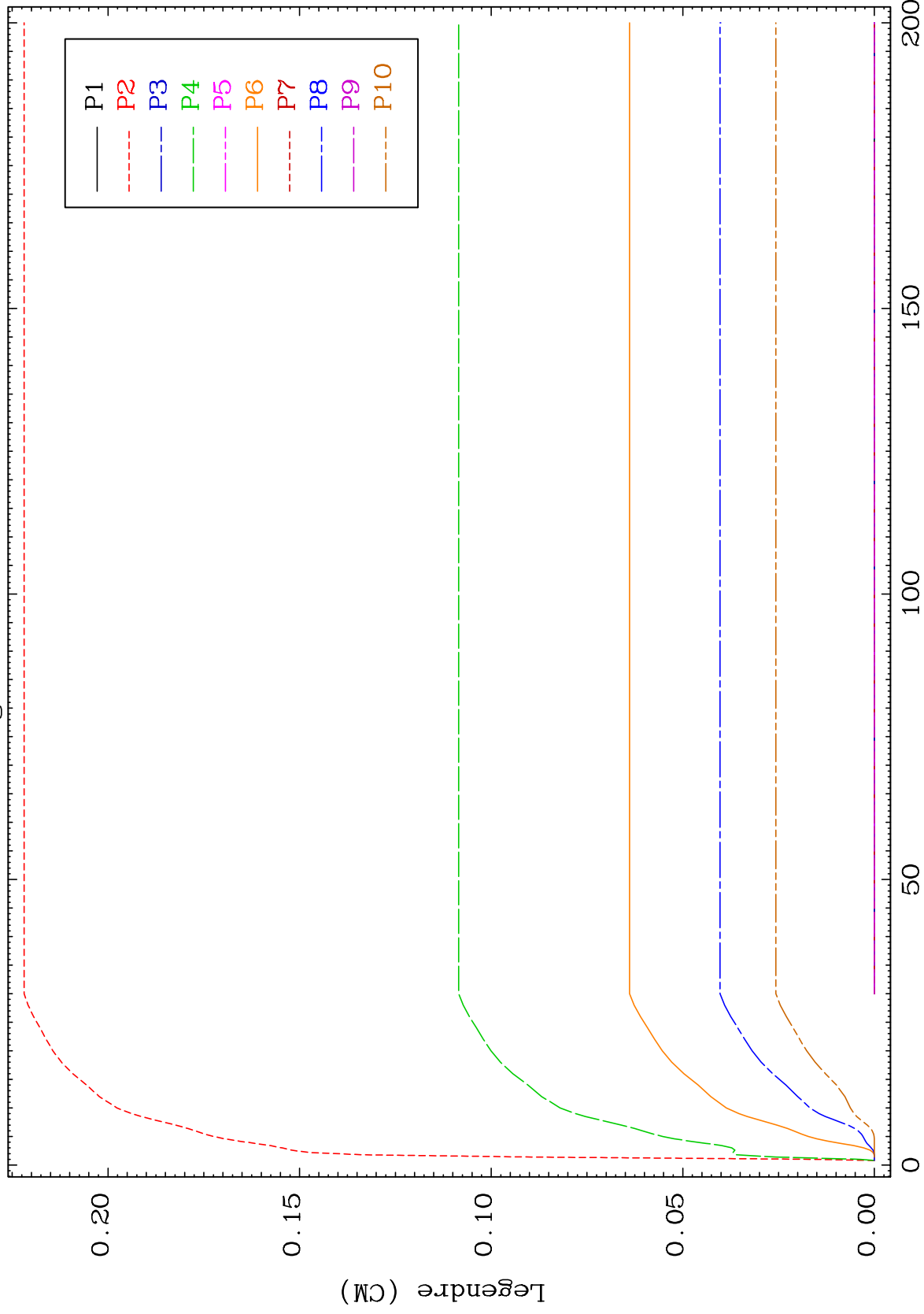
Incident Energy (MeV)

64-Gd-136

MAT 63777

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

64-Gd-136



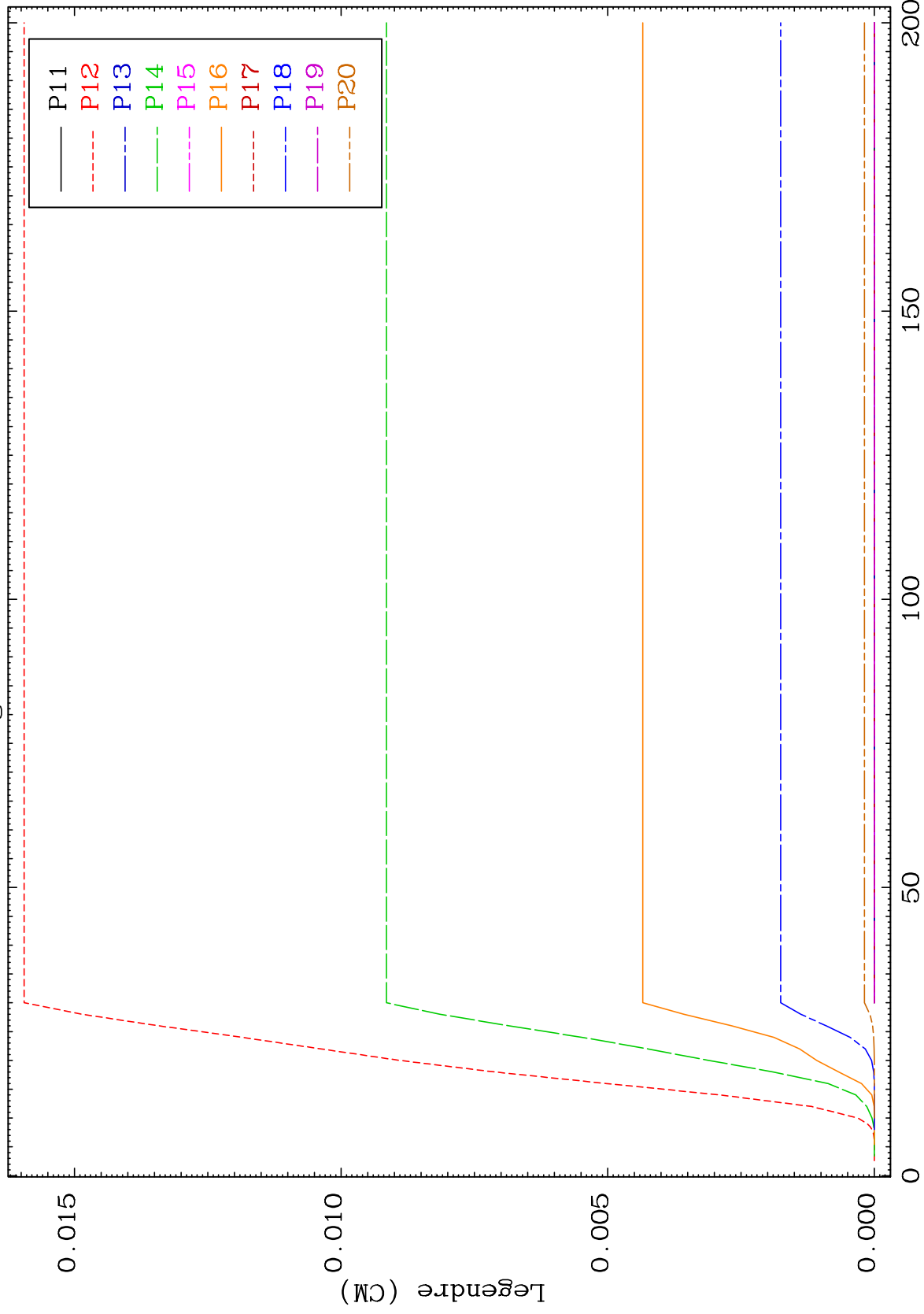
27

64-Gd-136

MAT 63777

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

64-Gd-136



28

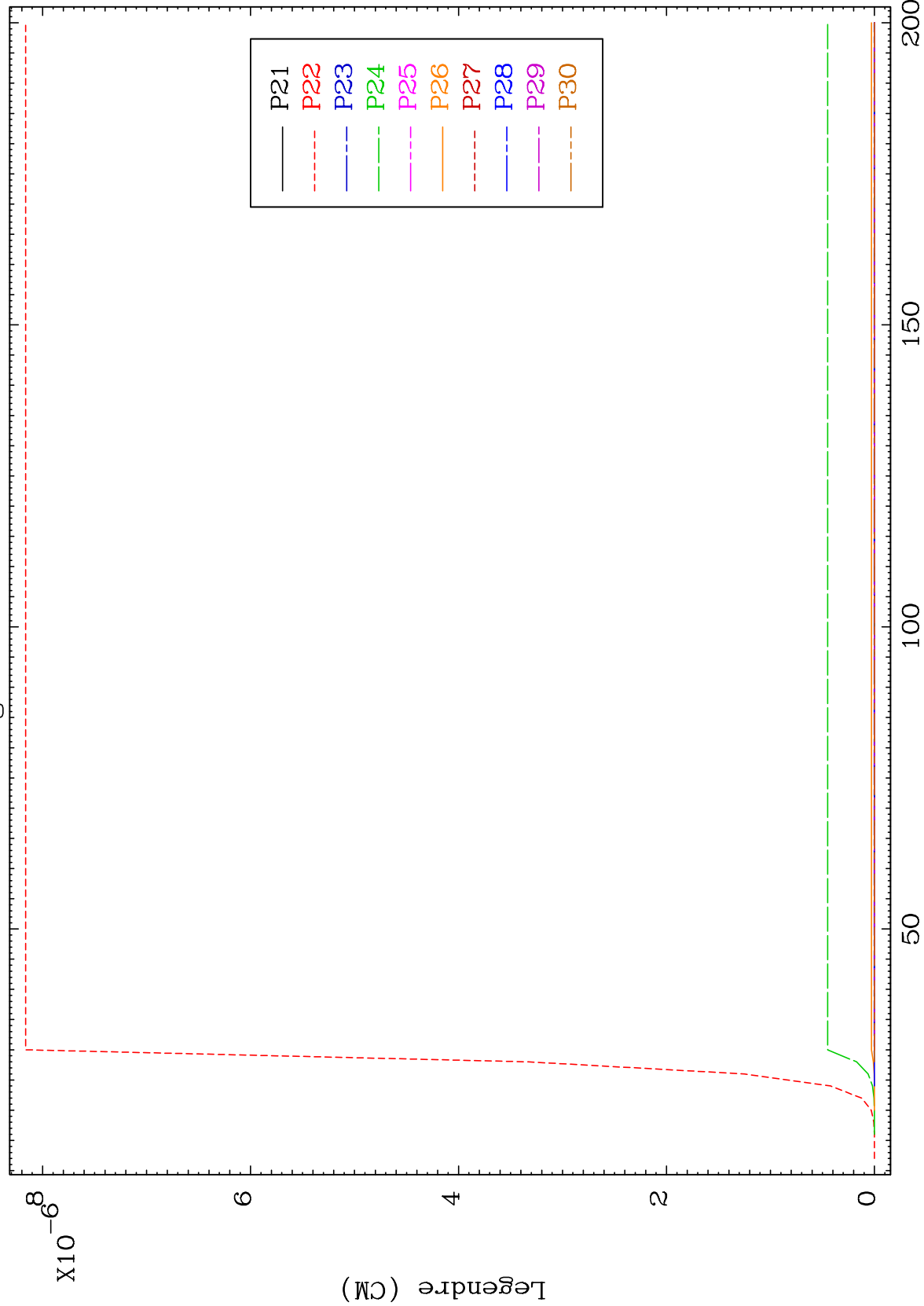
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



29

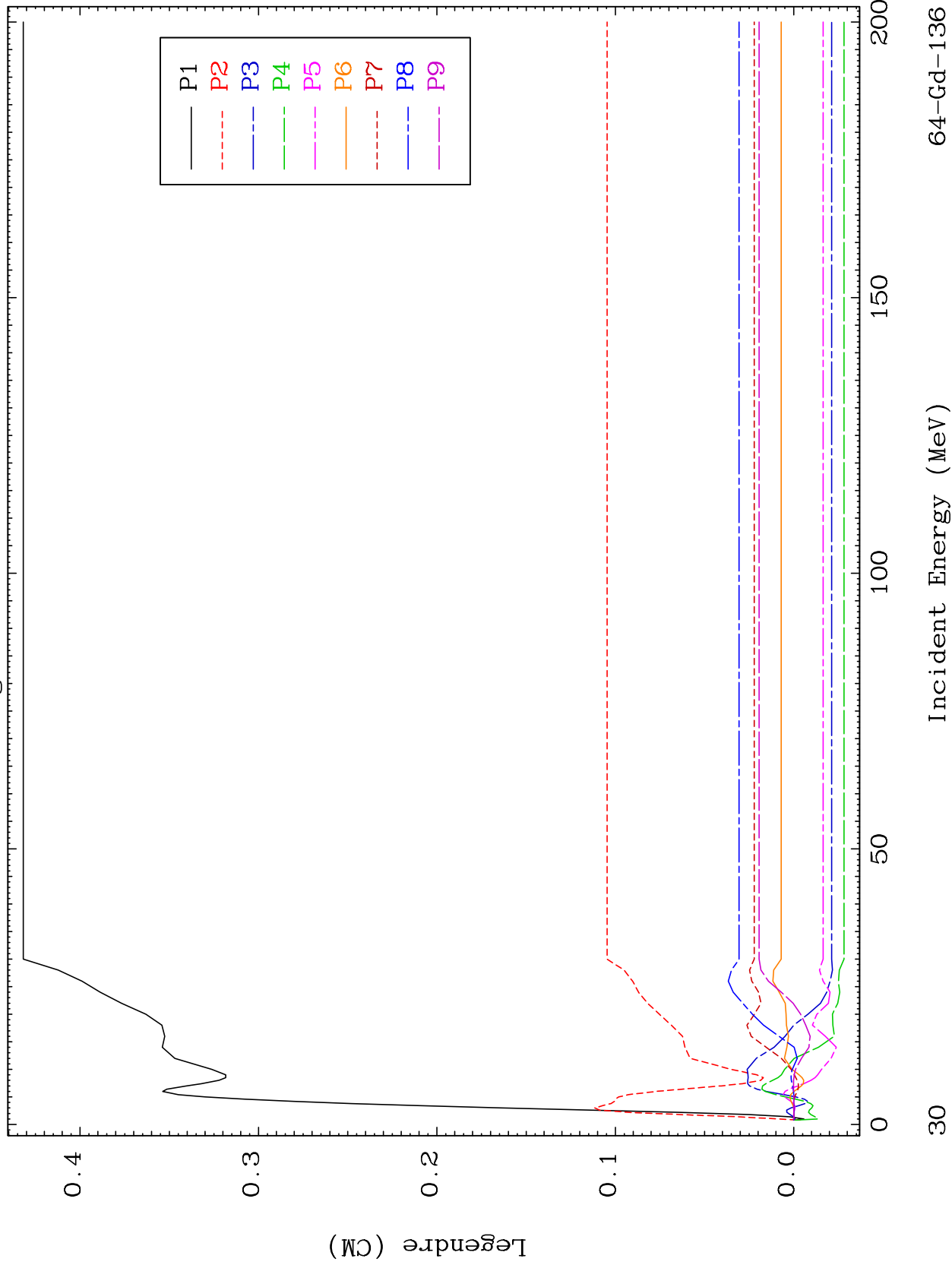
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



64-Gd-136

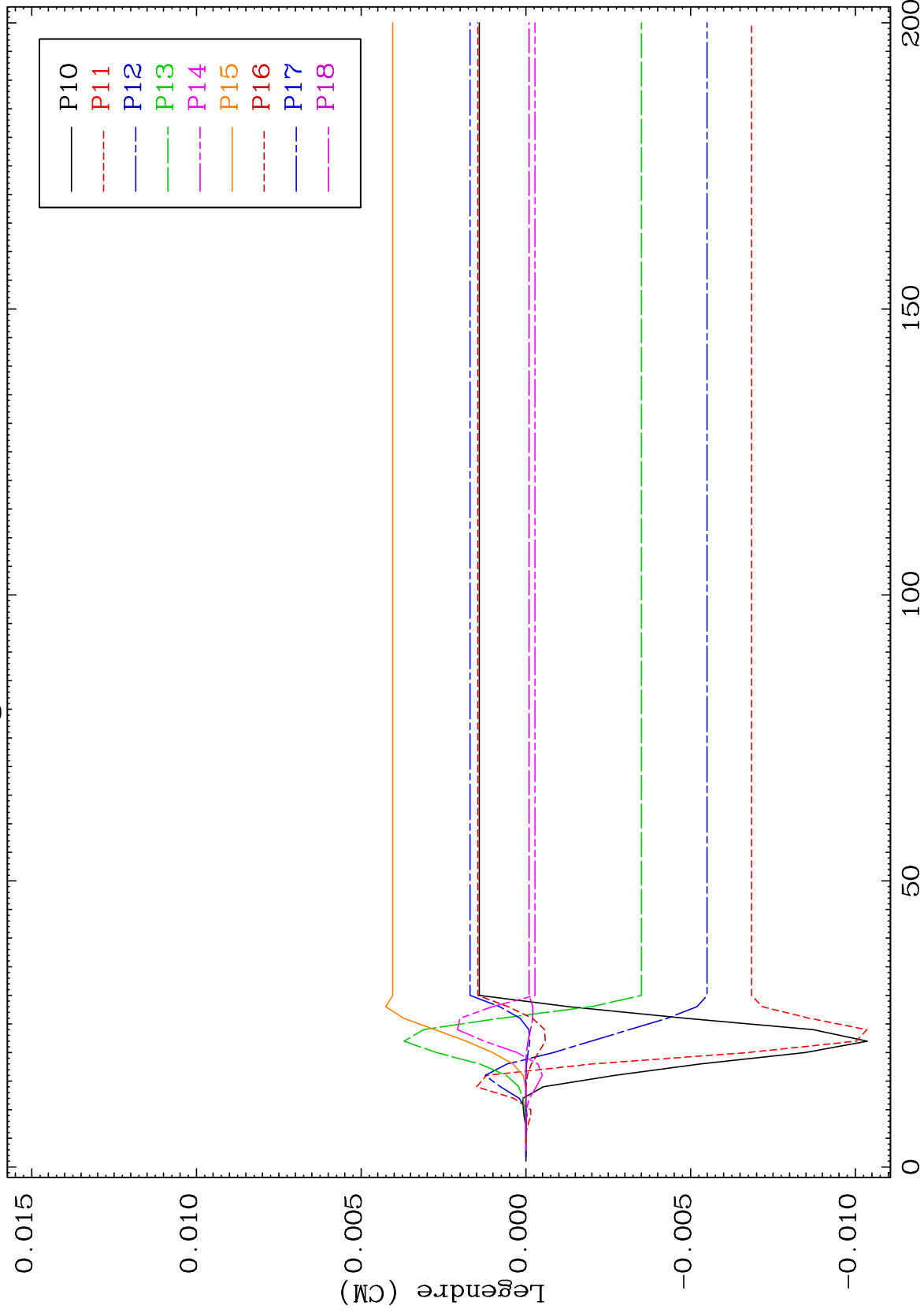
Incident Energy (MeV)

30

MAT 6377

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

64-Gd-136



31

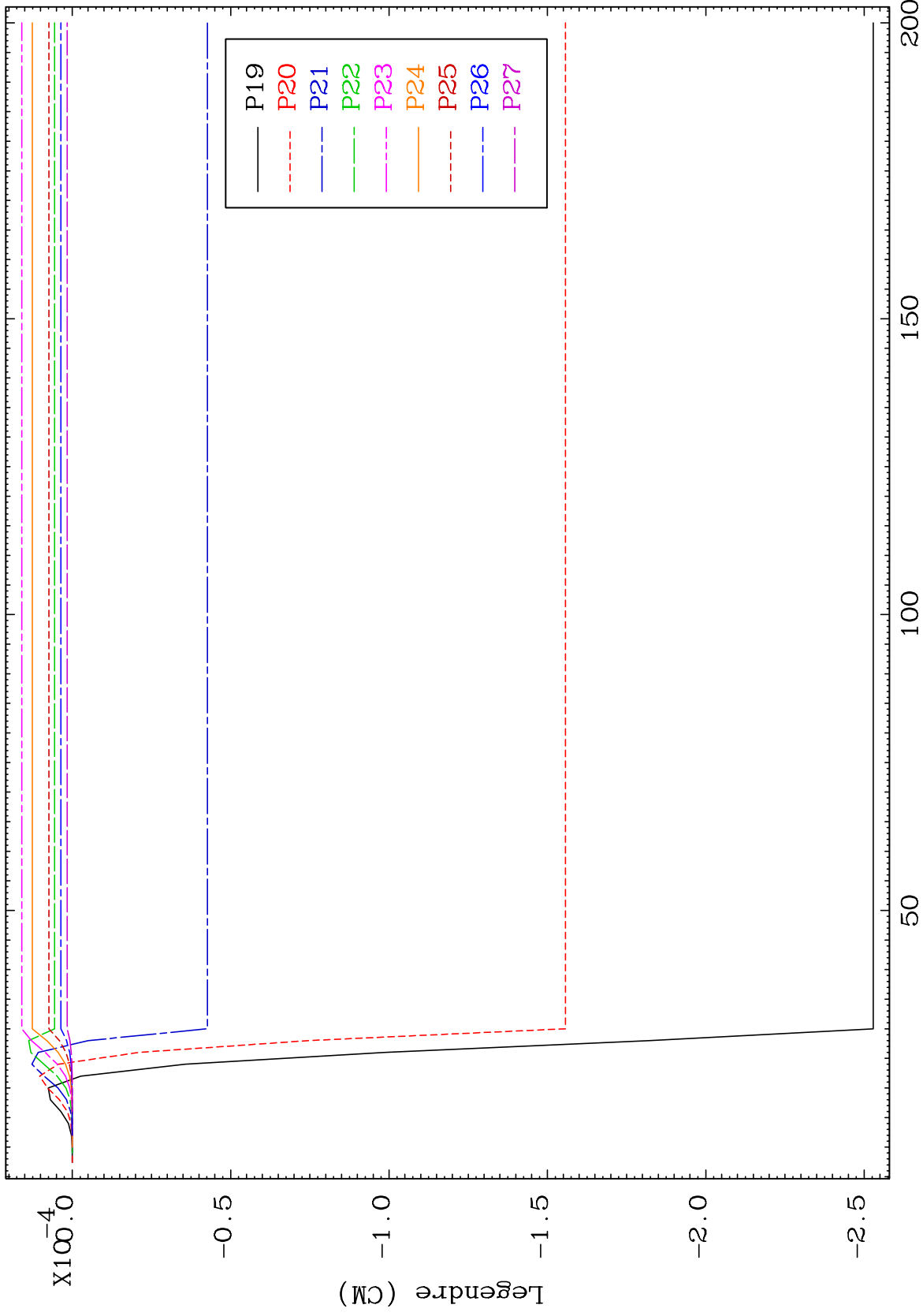
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



32

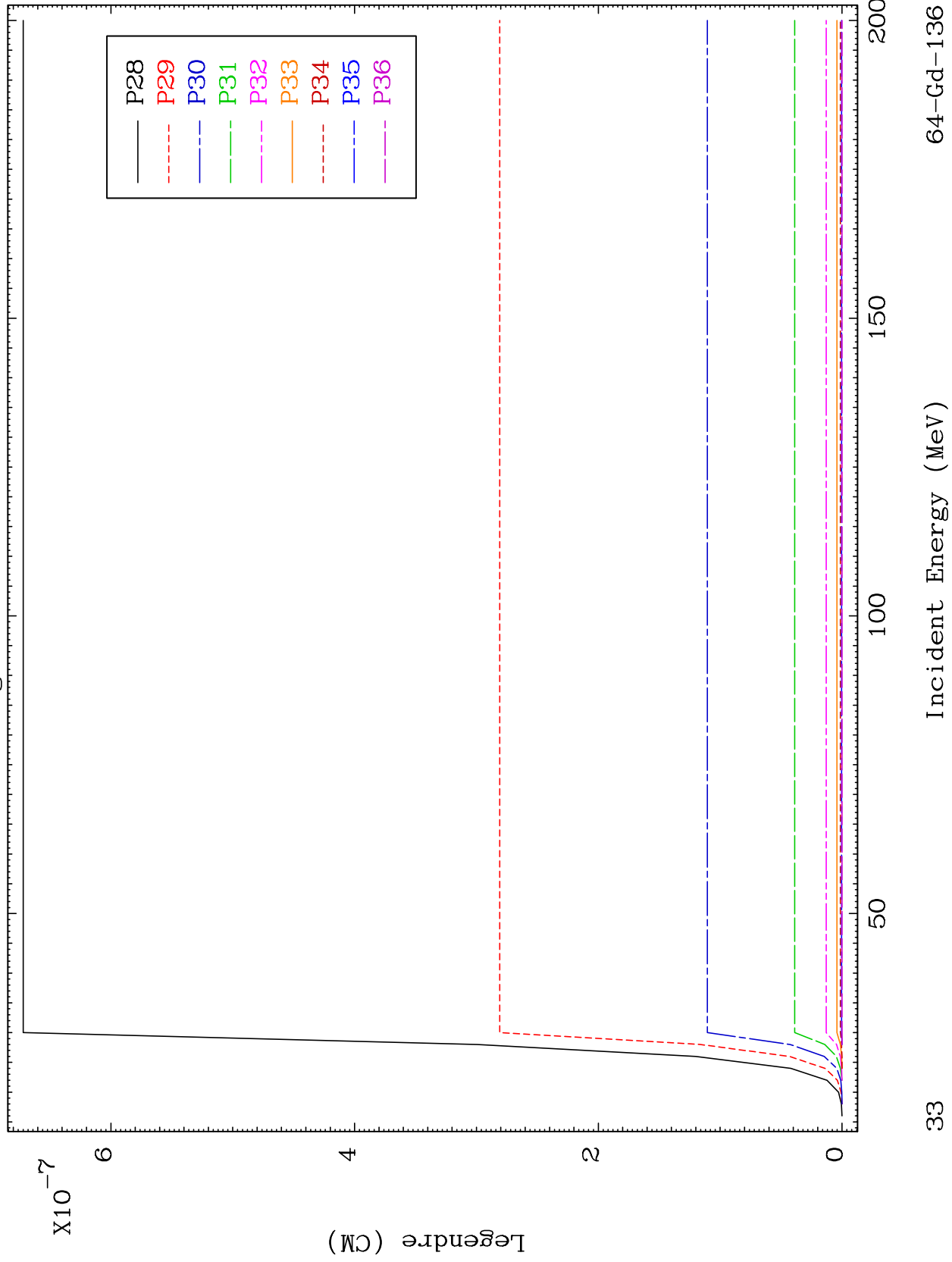
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

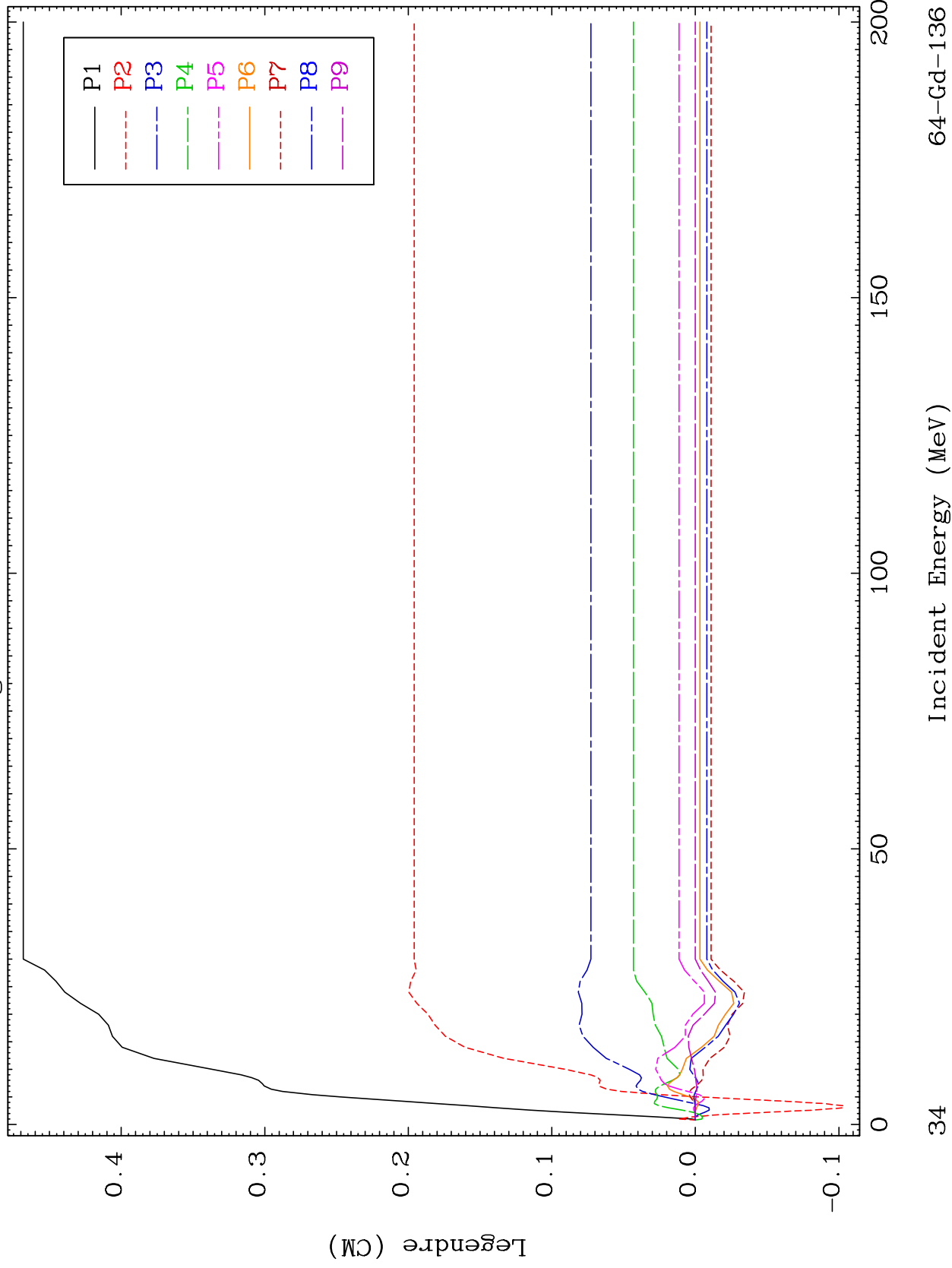
64-Gd-136



MAT 6377

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

64-Gd-136



64-Gd-136

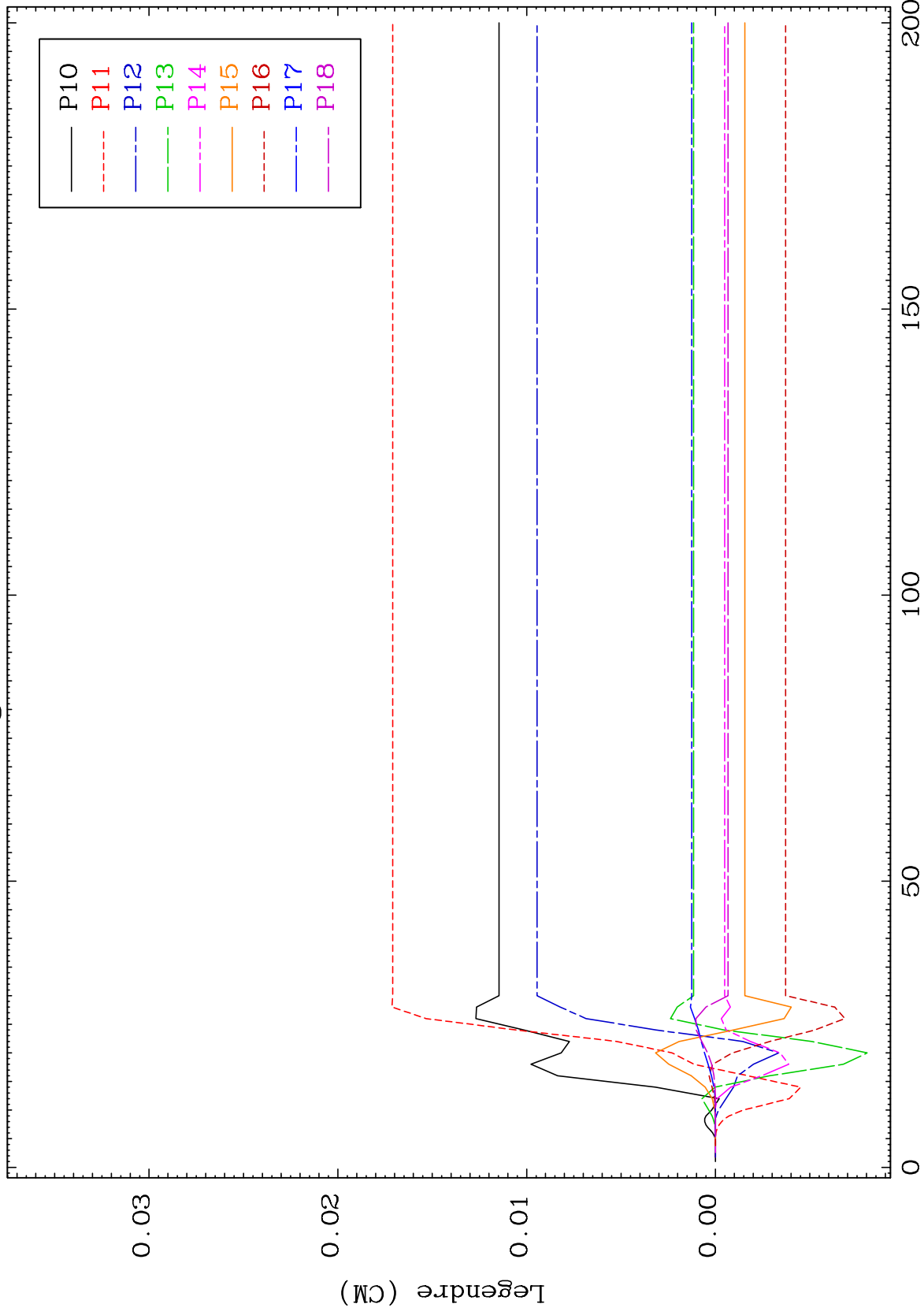
Incident Energy (MeV)

34

MAT 6377

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

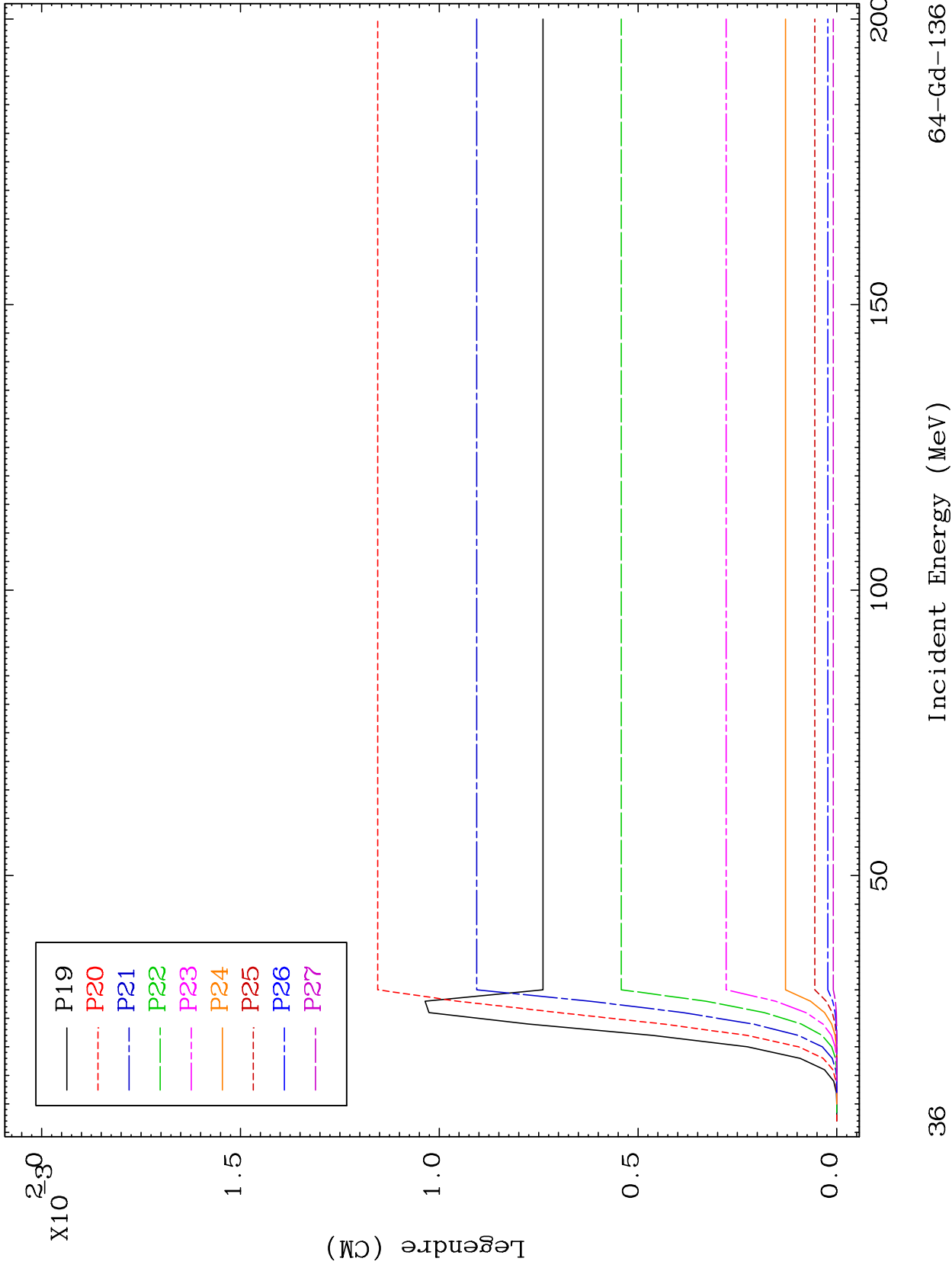
64-Gd-136



64-Gd-136

Incident Energy (MeV)

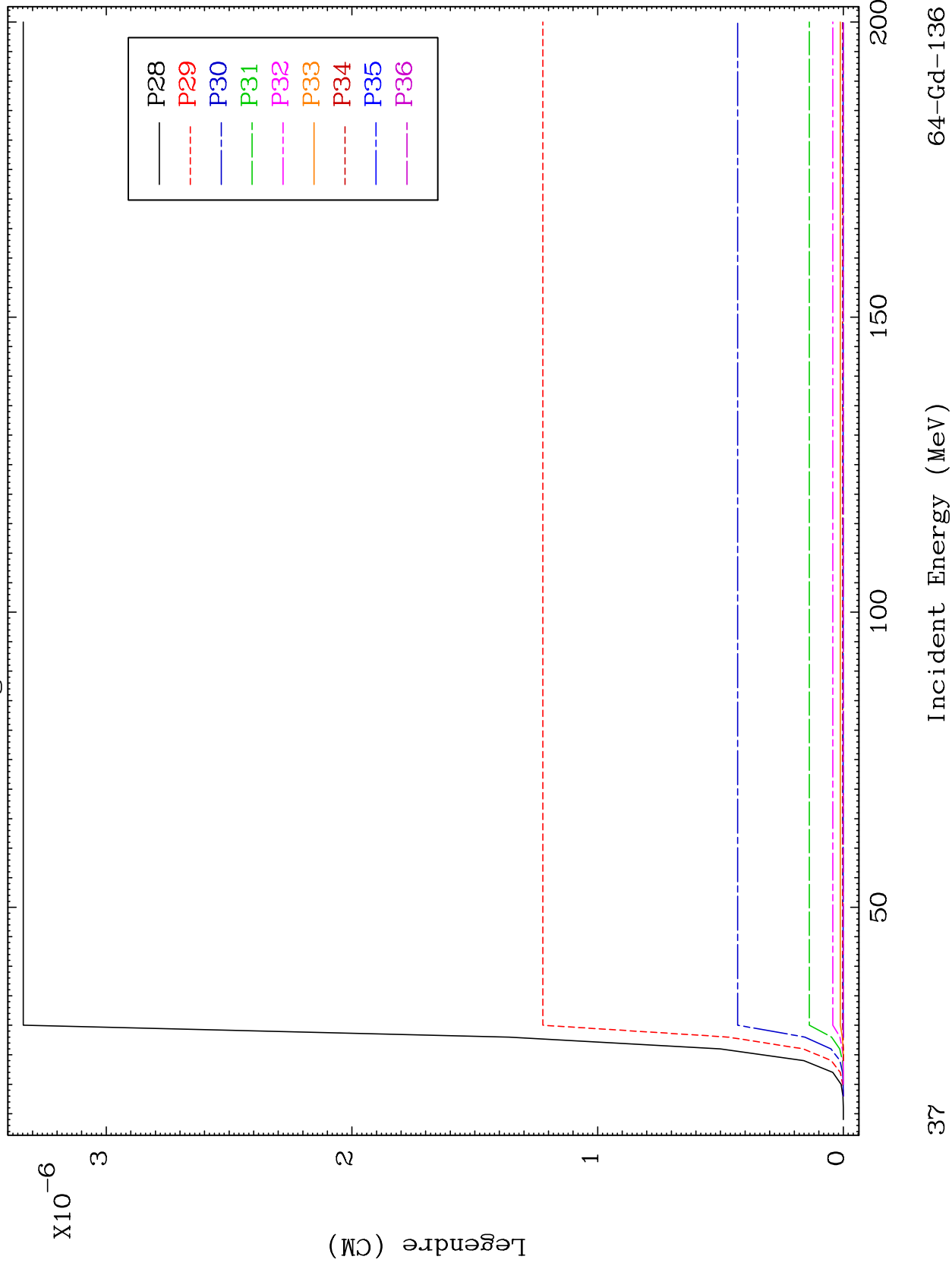
35



MAT 6377

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

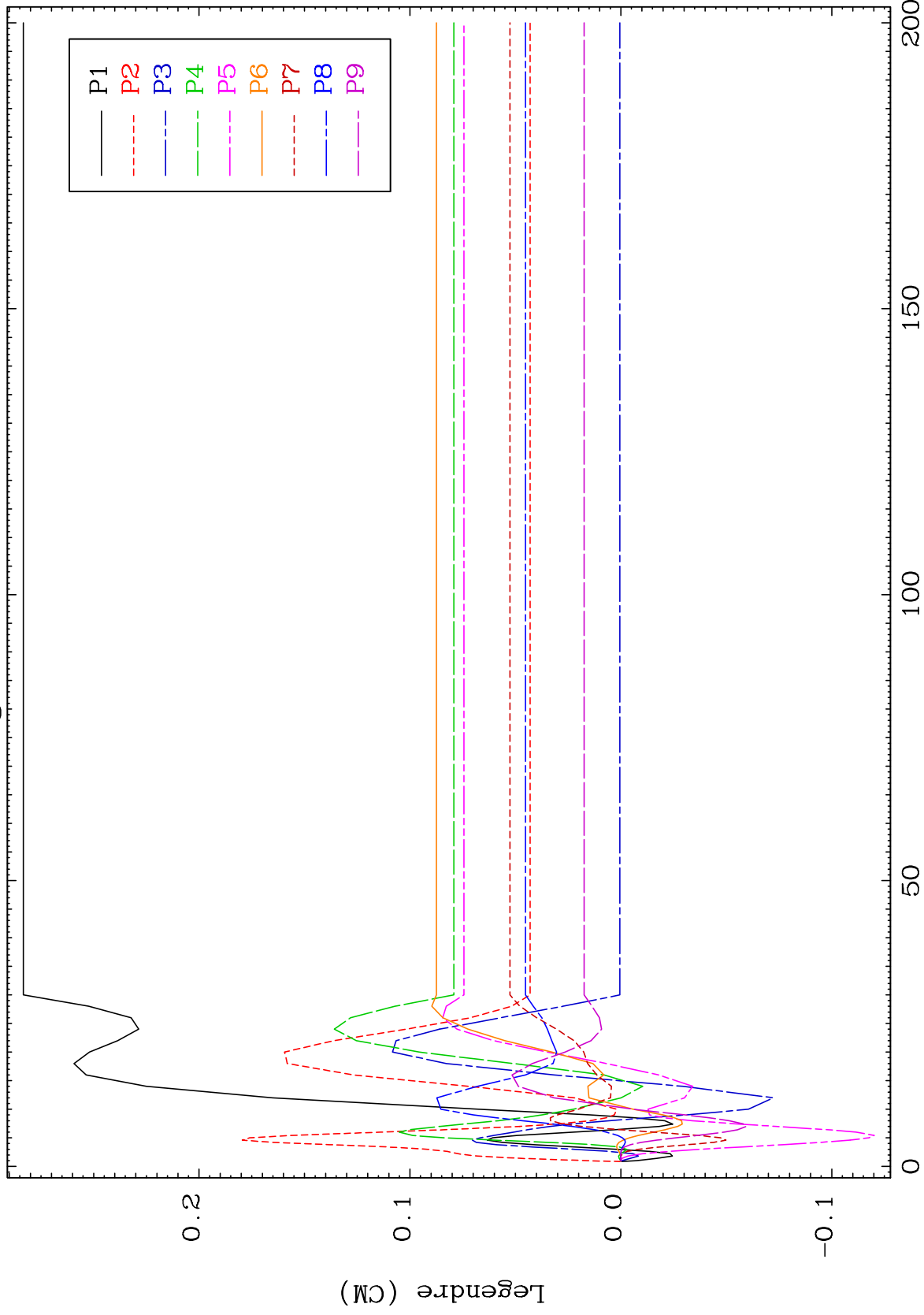
64-Gd-136



MAT 6377

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

64-Gd-136



64-Gd-136

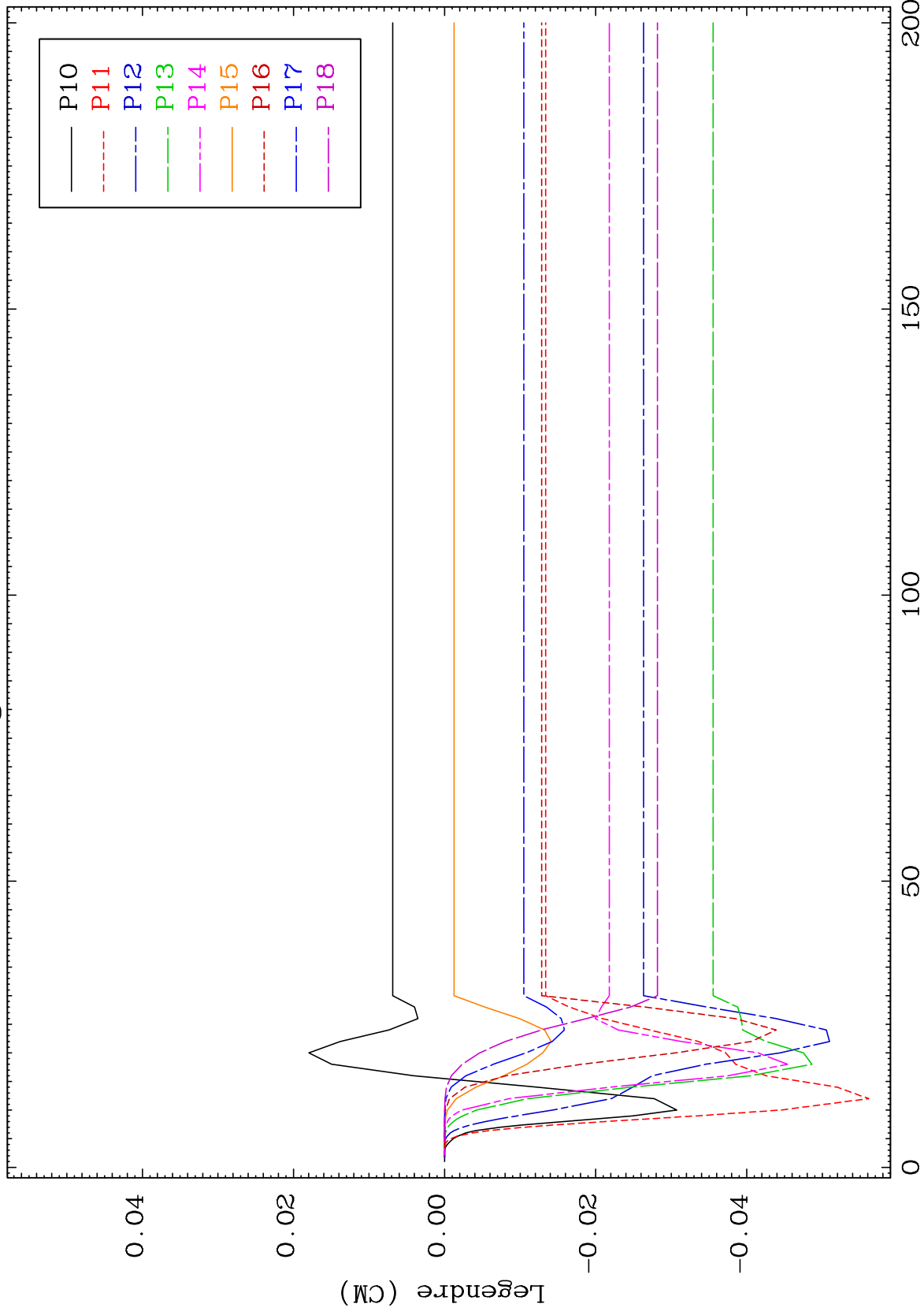
Incident Energy (MeV)

38

MAT 6377

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

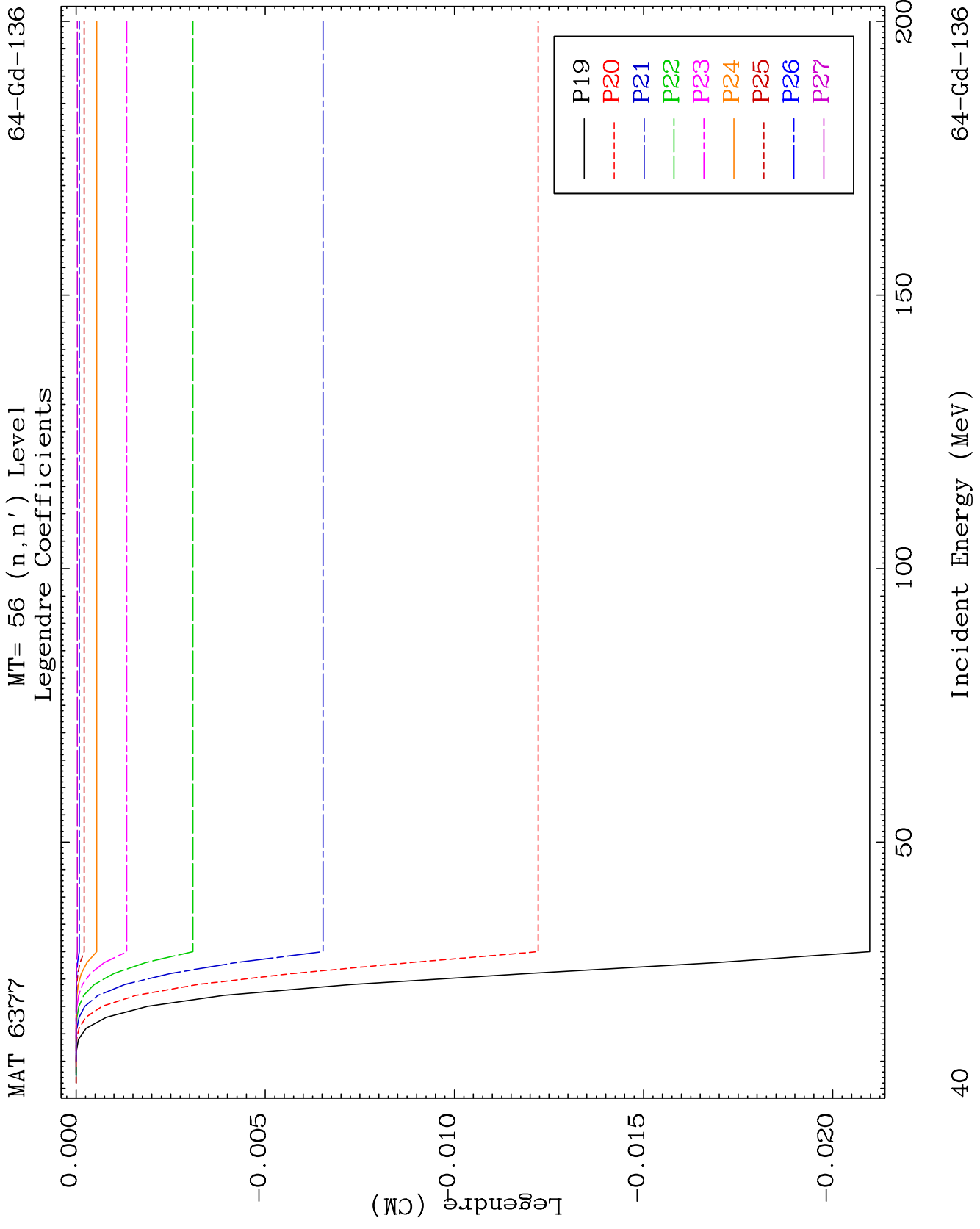
64-Gd-136



39

Incident Energy (MeV)

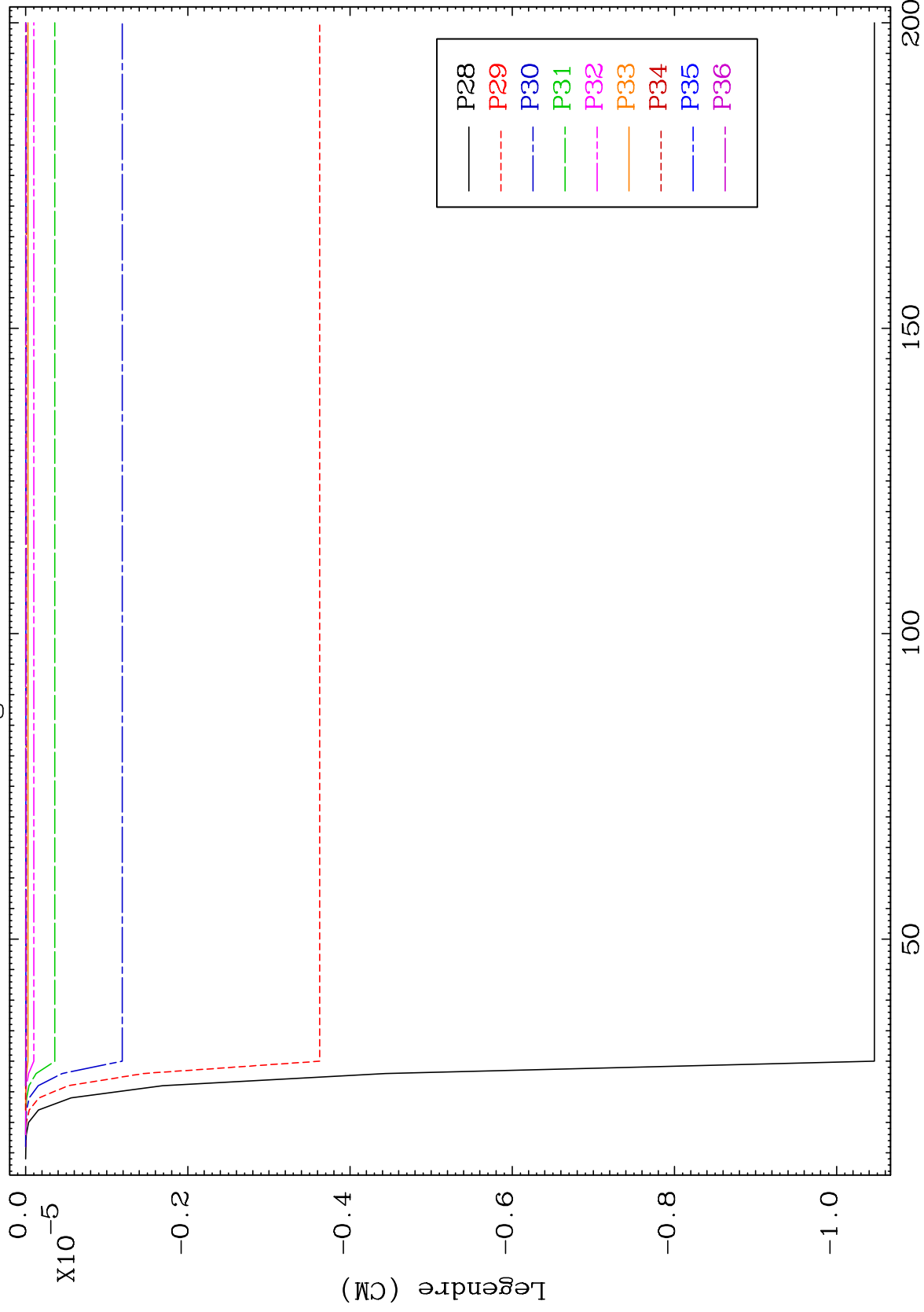
64-Gd-136



MAT 63777

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

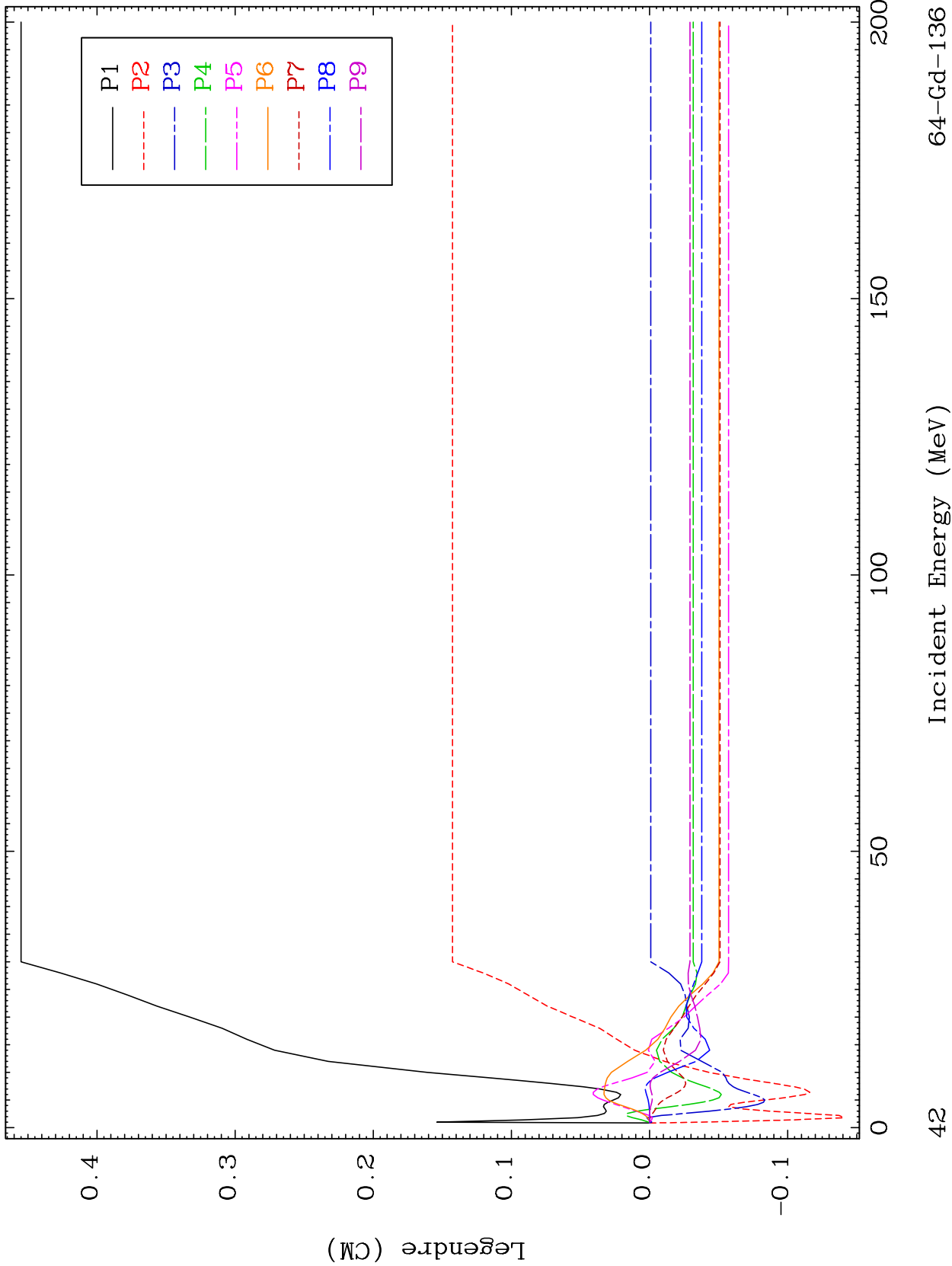
64-Gd-136



MAT 6377

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

64-Gd-136



64-Gd-136

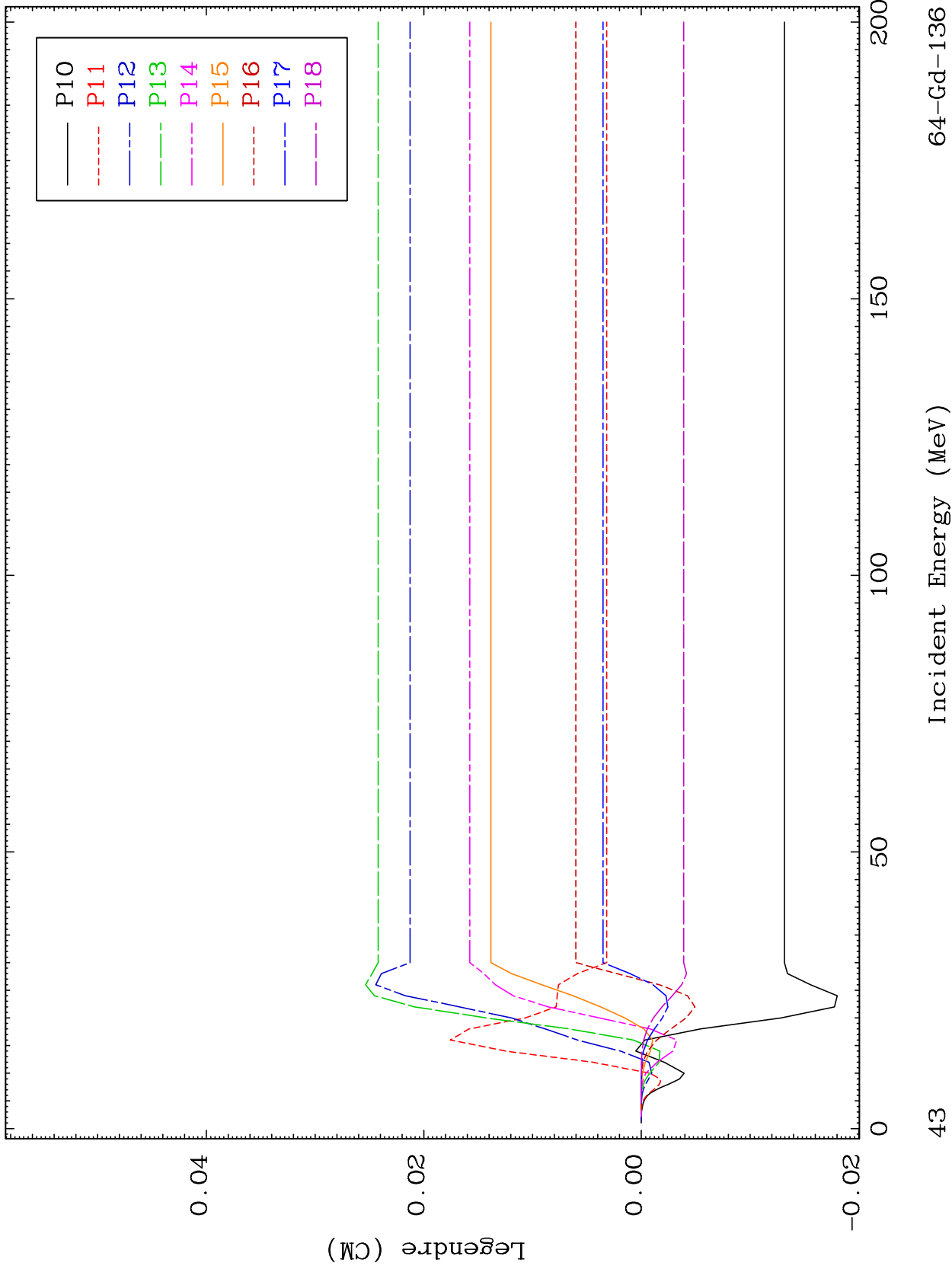
Incident Energy (MeV)

42

MAT 6377

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

64-Gd-136



64-Gd-136

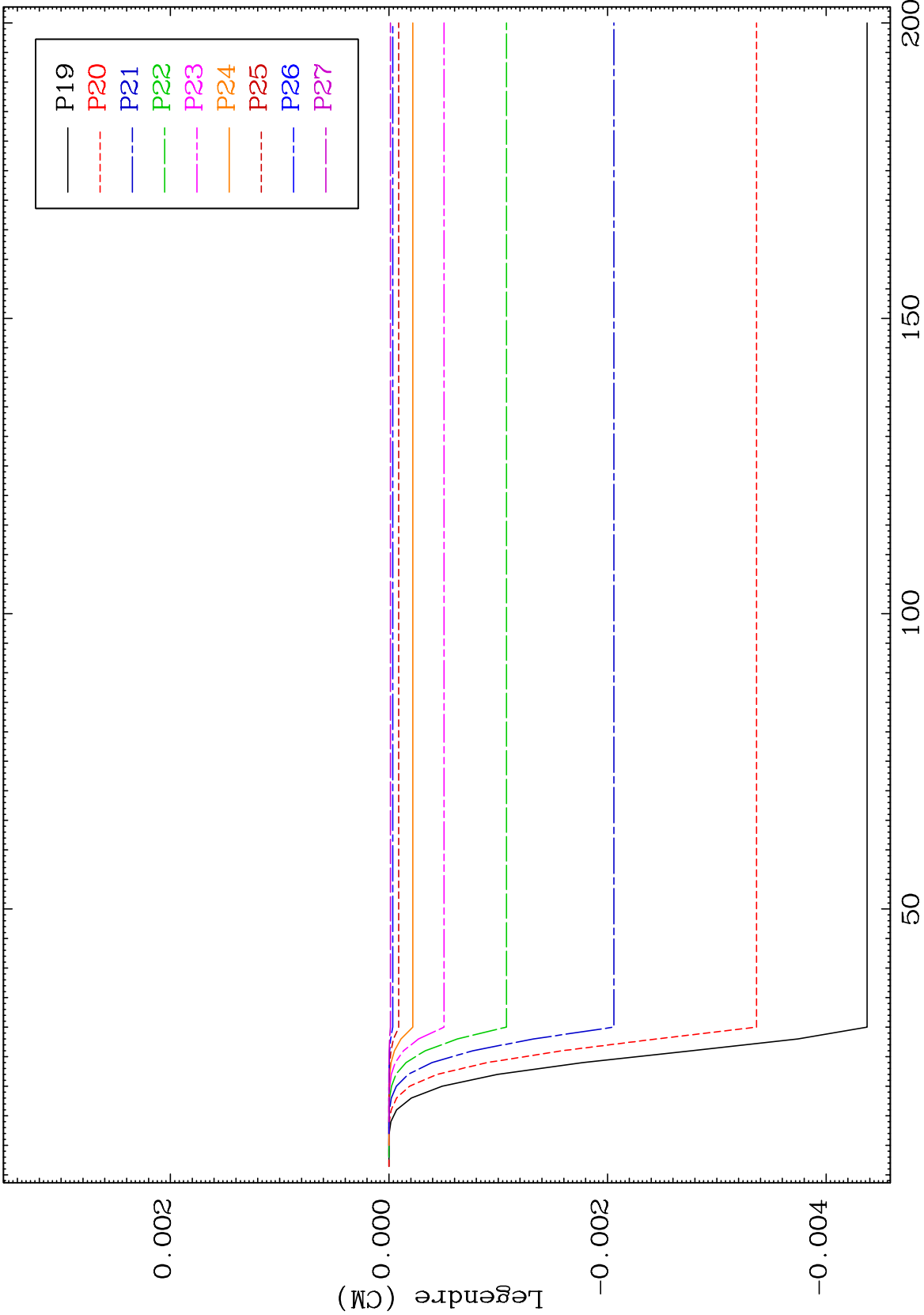
Incident Energy (MeV)

43

MAT 6377

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

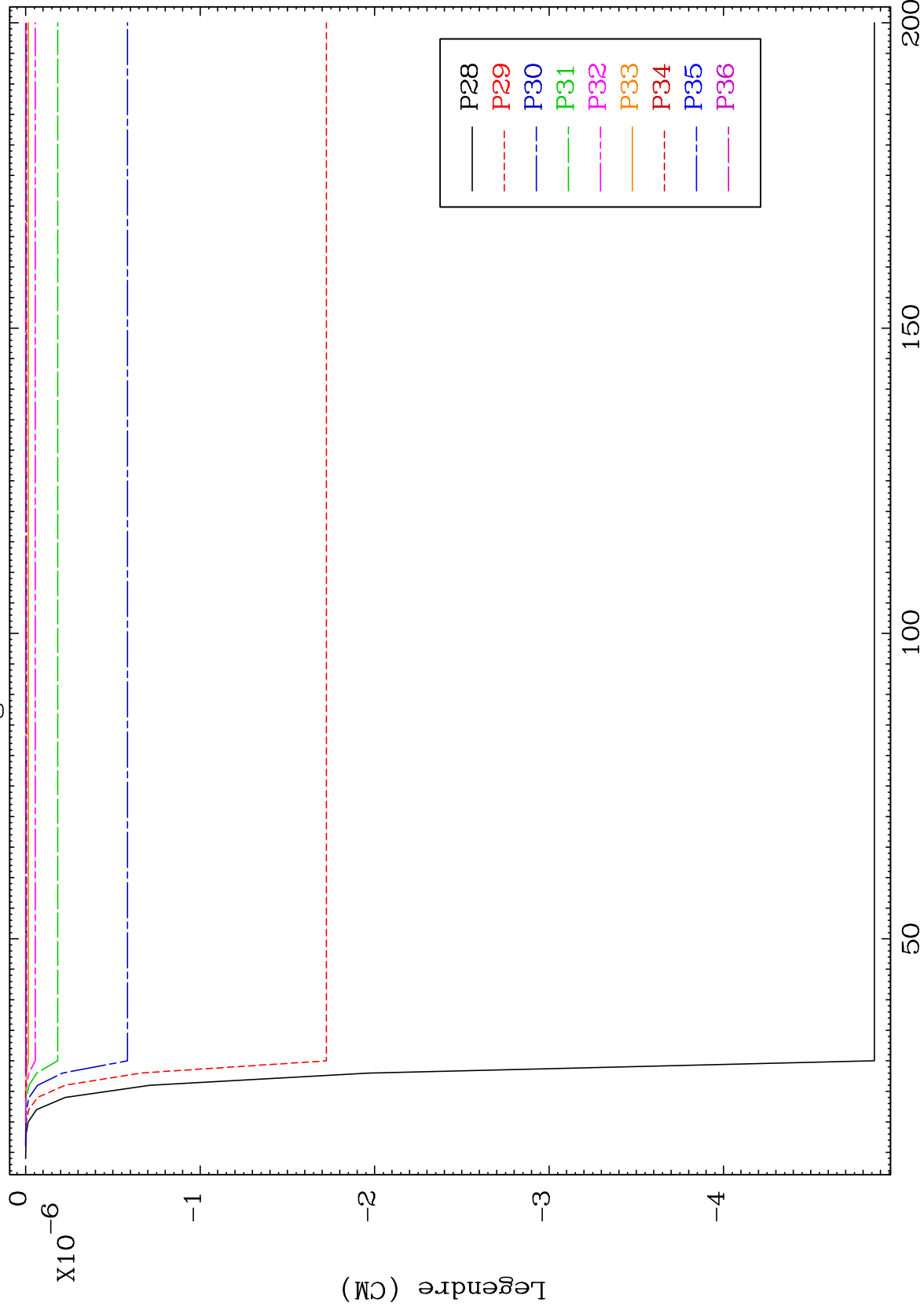
64-Gd-136



MAT 6377

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

64-Gd-136



45

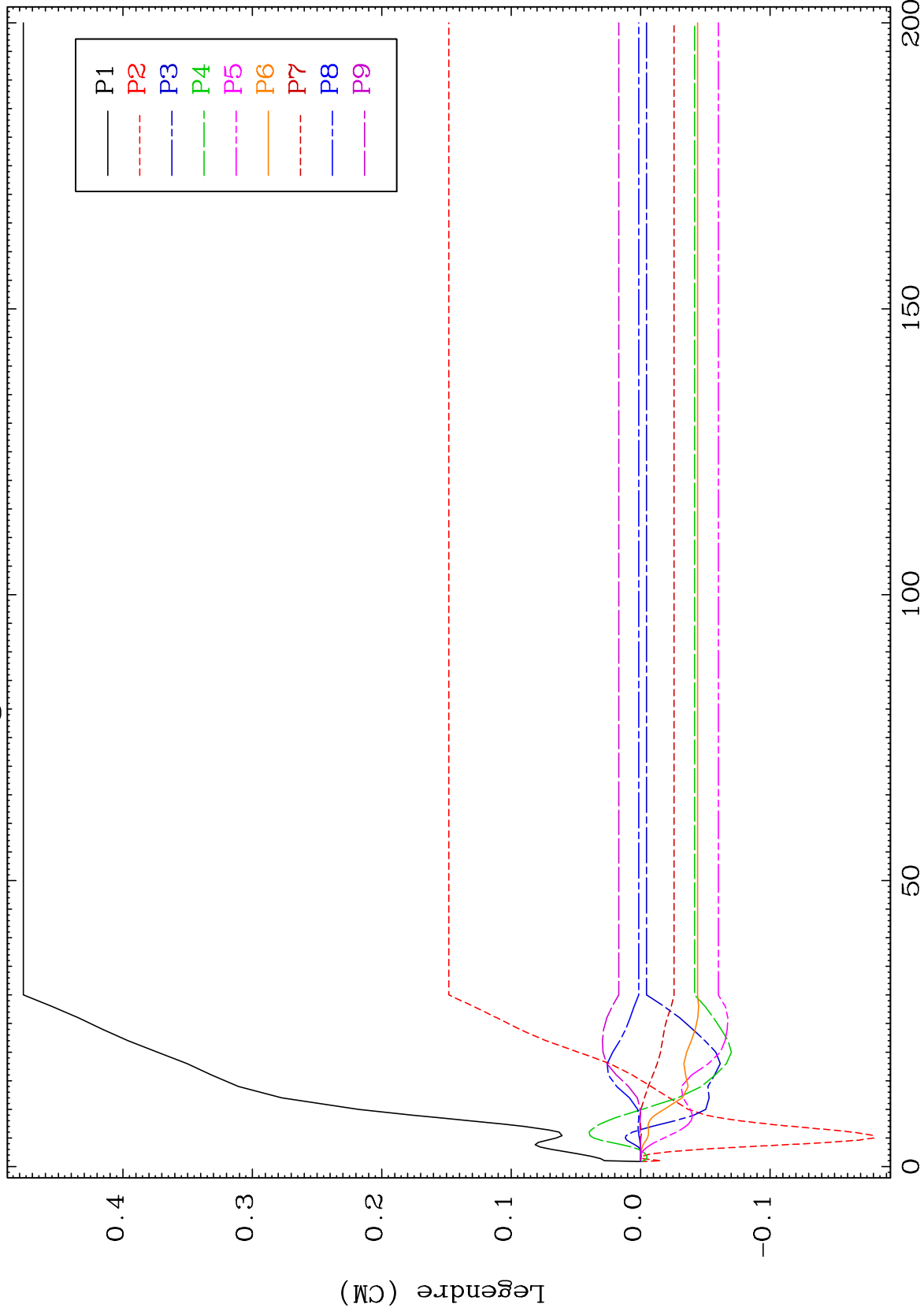
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



64-Gd-136

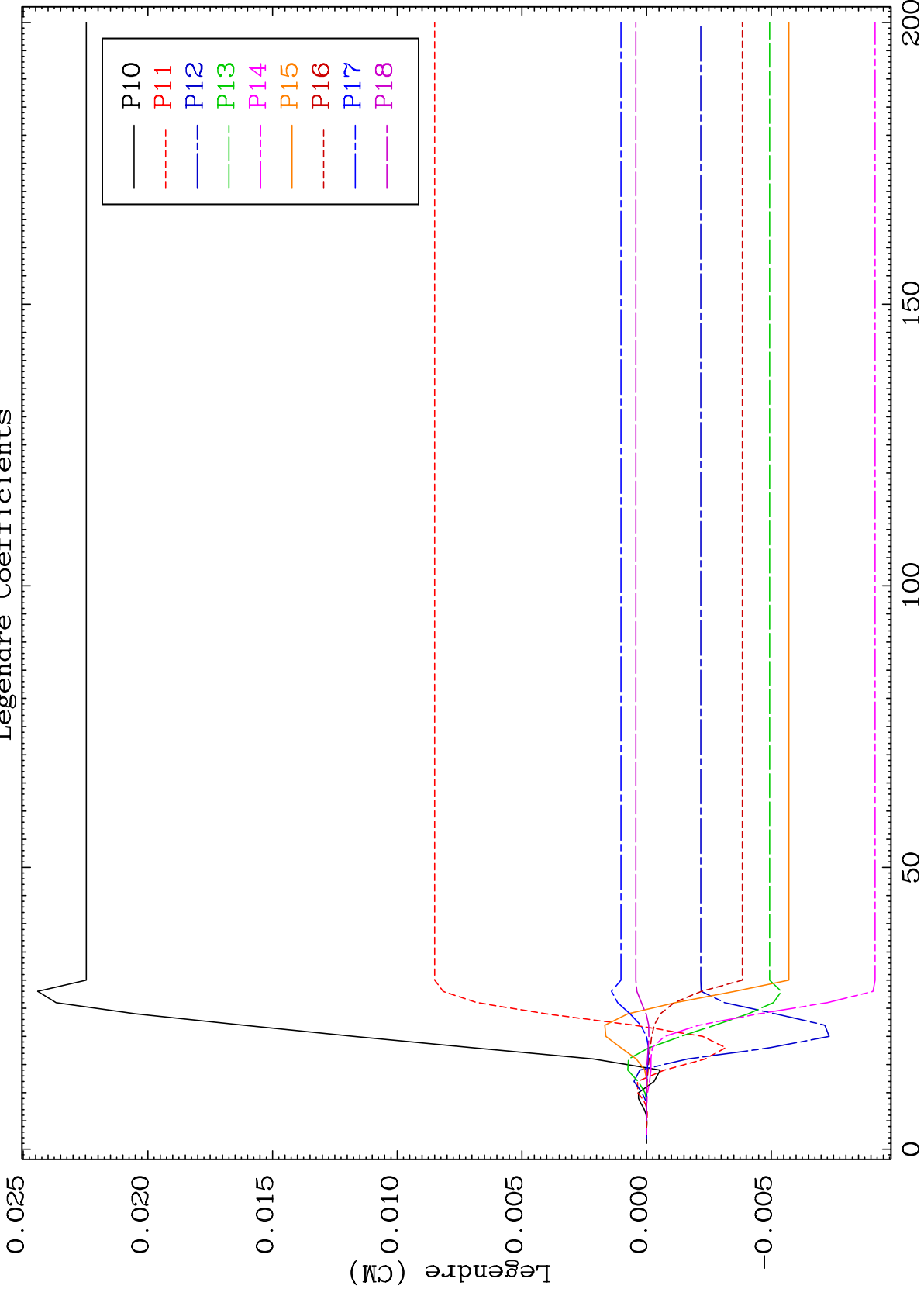
Incident Energy (MeV)

46

MAT 6377

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

64-Gd-136



47

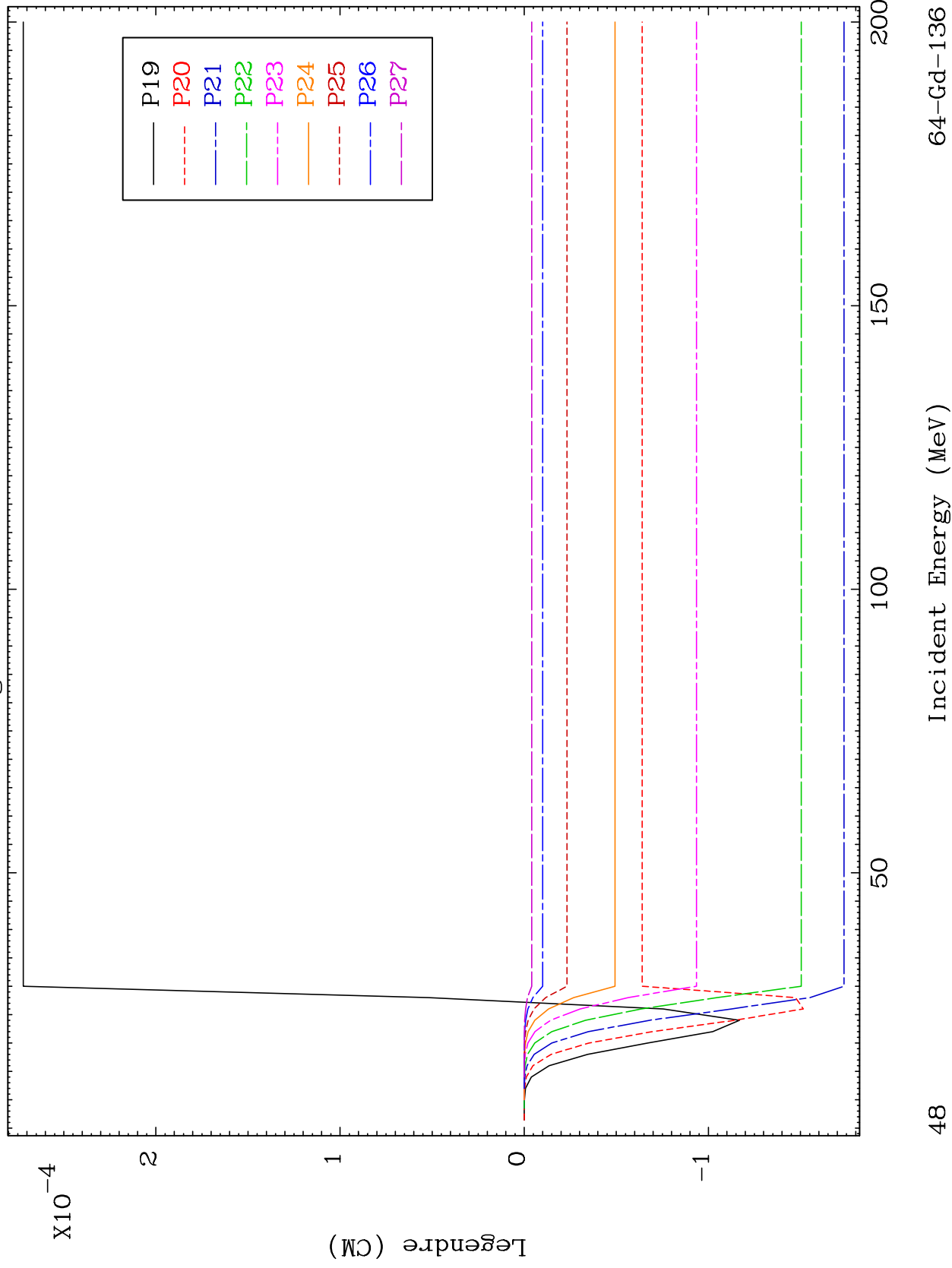
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



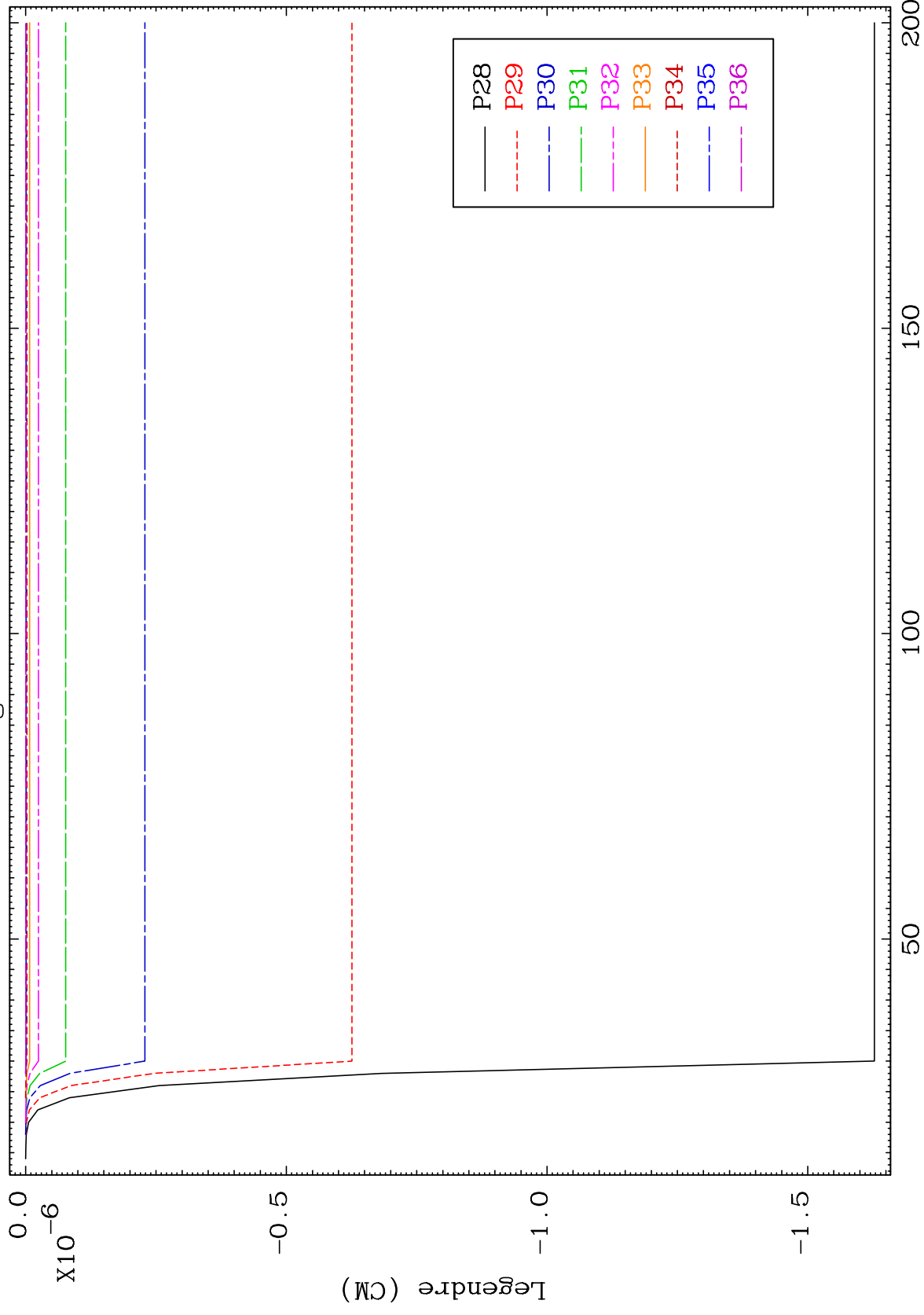
48

64-Gd-136

MAT 6377

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

64-Gd-136



49

Incident Energy (MeV)

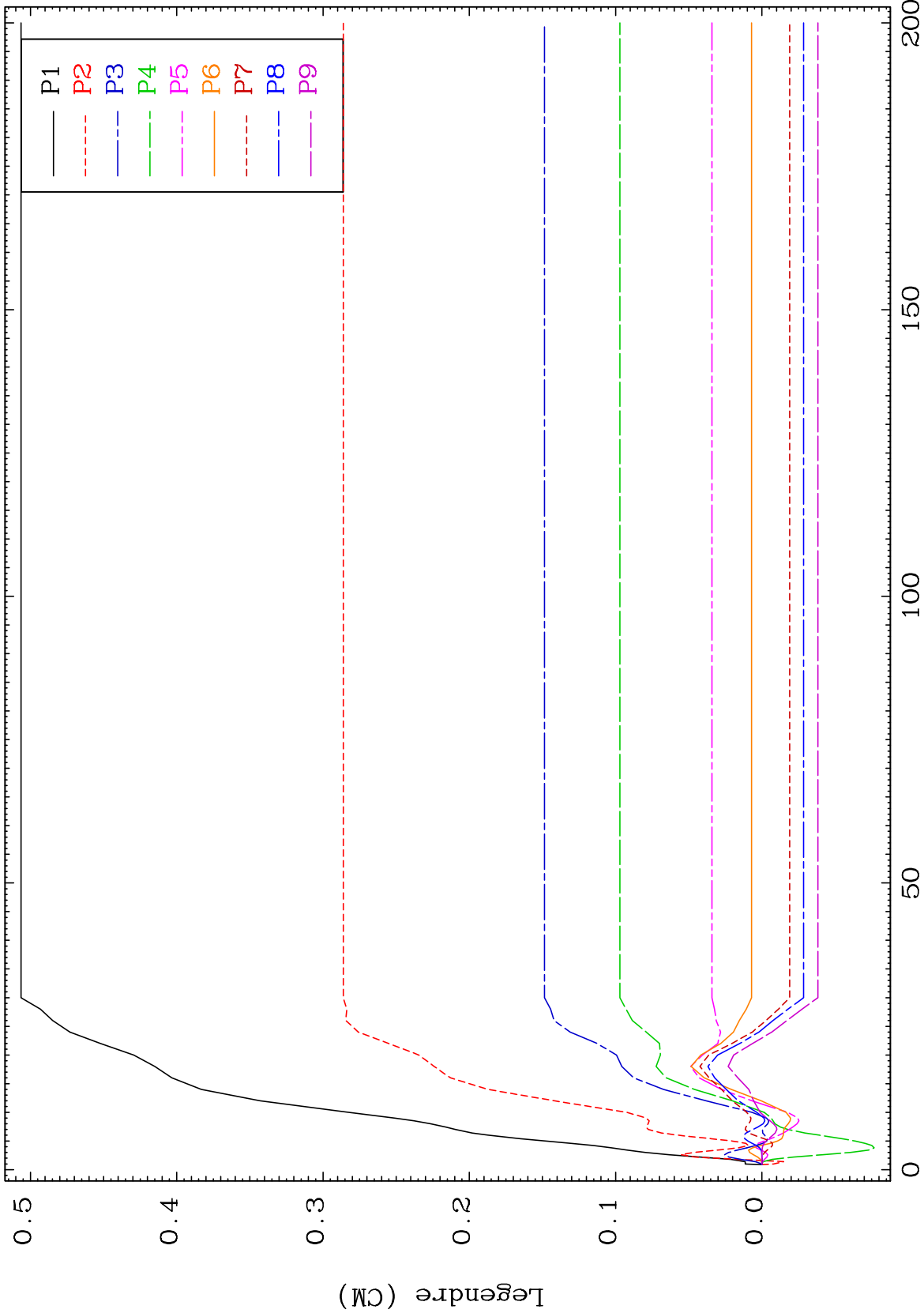
64-Gd-136

MAT 6377

MT= 59 (n,n') Level

64-Gd-136

Legendre Coefficients



64-Gd-136

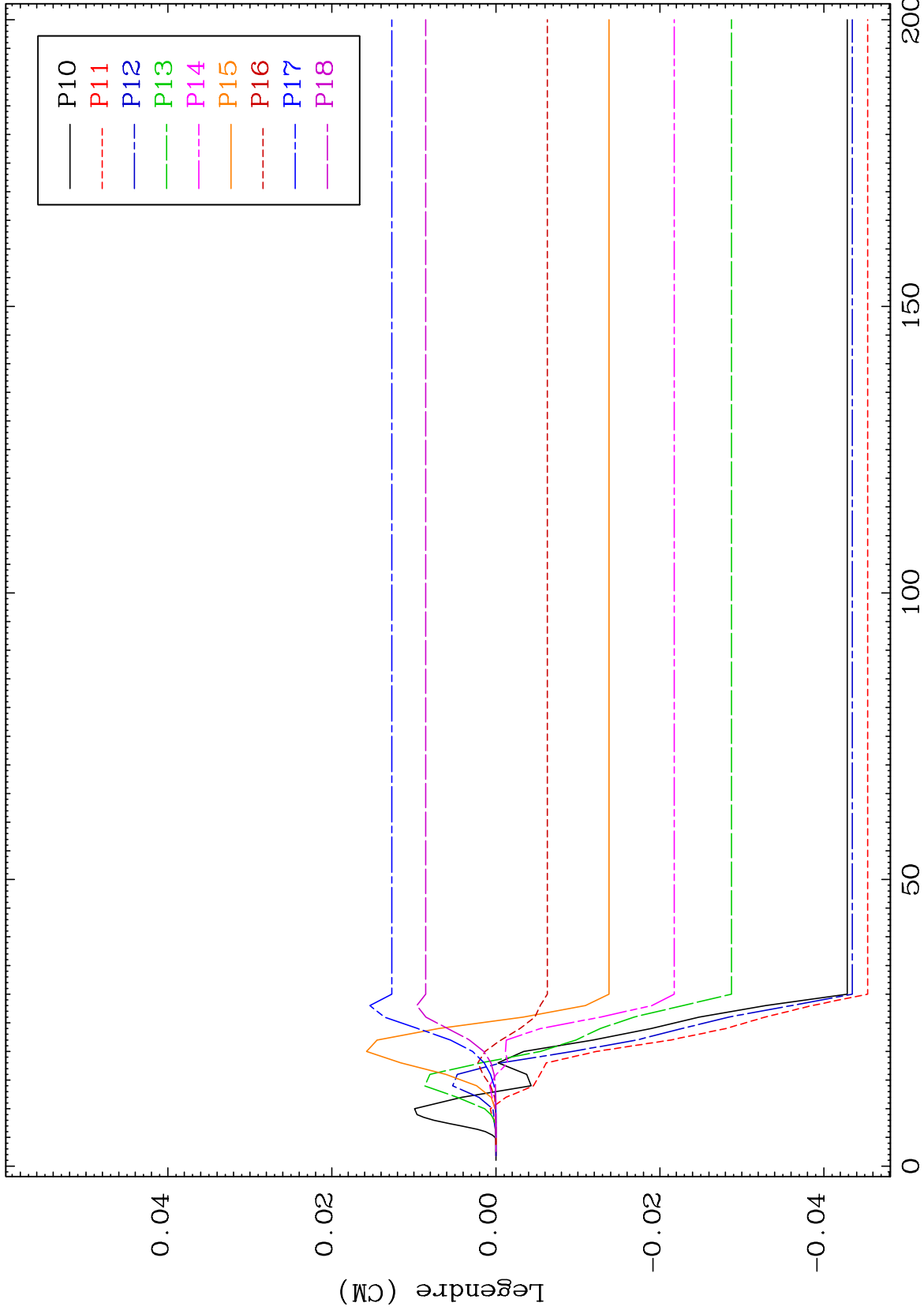
Incident Energy (MeV)

50

MAT 63777

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

64-Gd-136



51

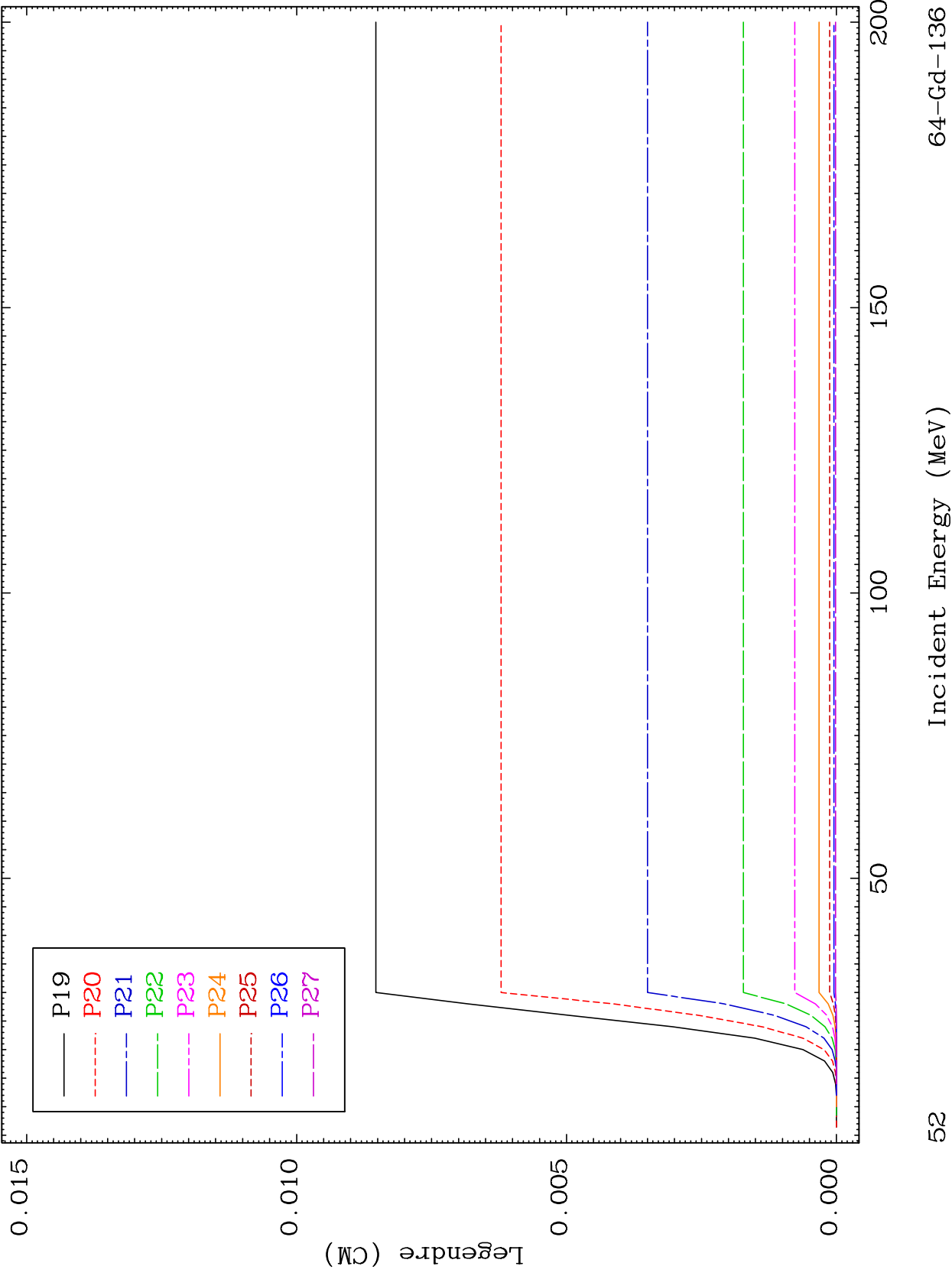
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



52

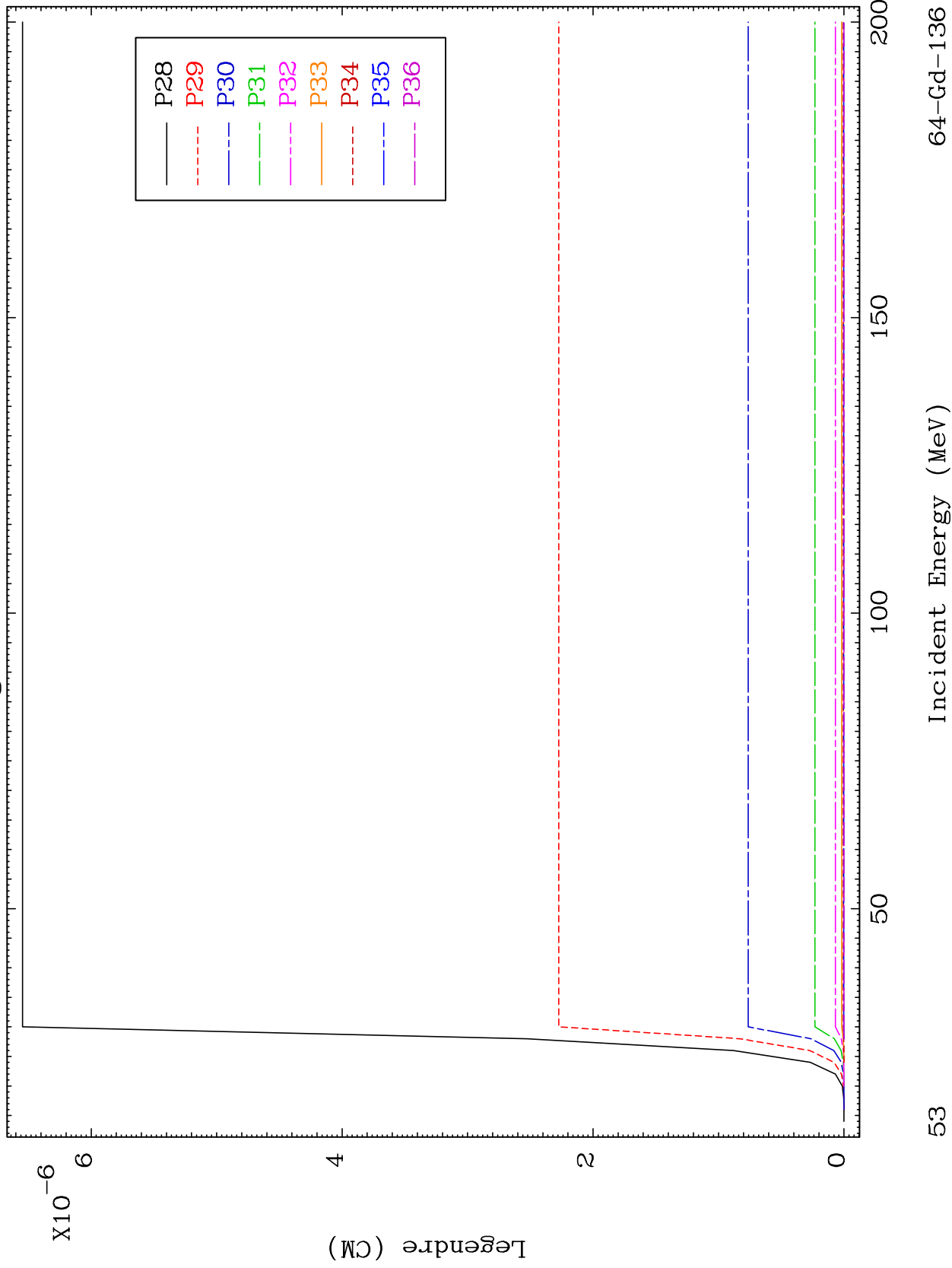
Incident Energy (MeV)

64-Gd-136

MAT 6377

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

64-Gd-136



53

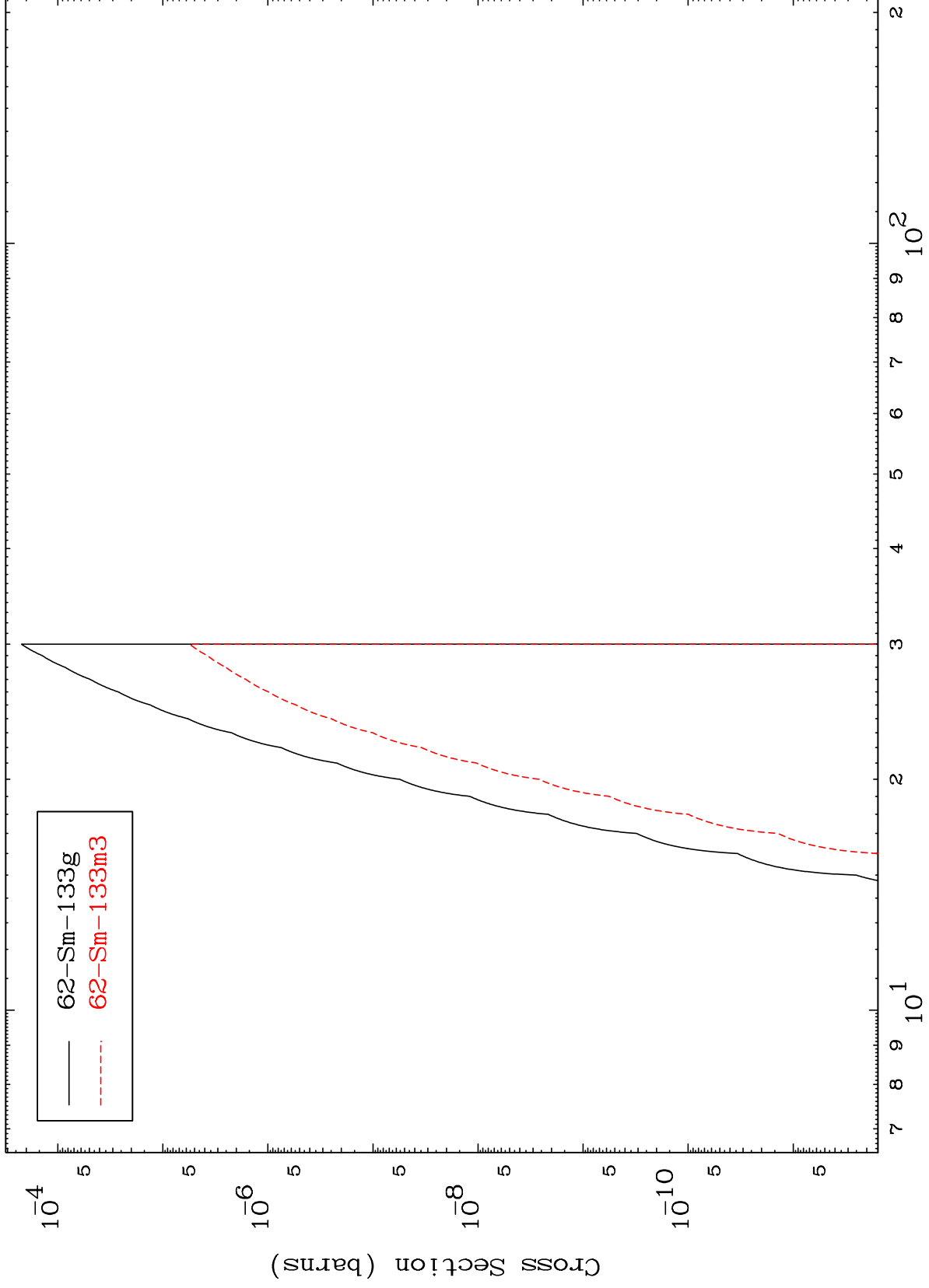
64-Gd-136

MAT 6377

(n,n') He-3

64-Gd-136

Radionuclide Production Cross Section



54

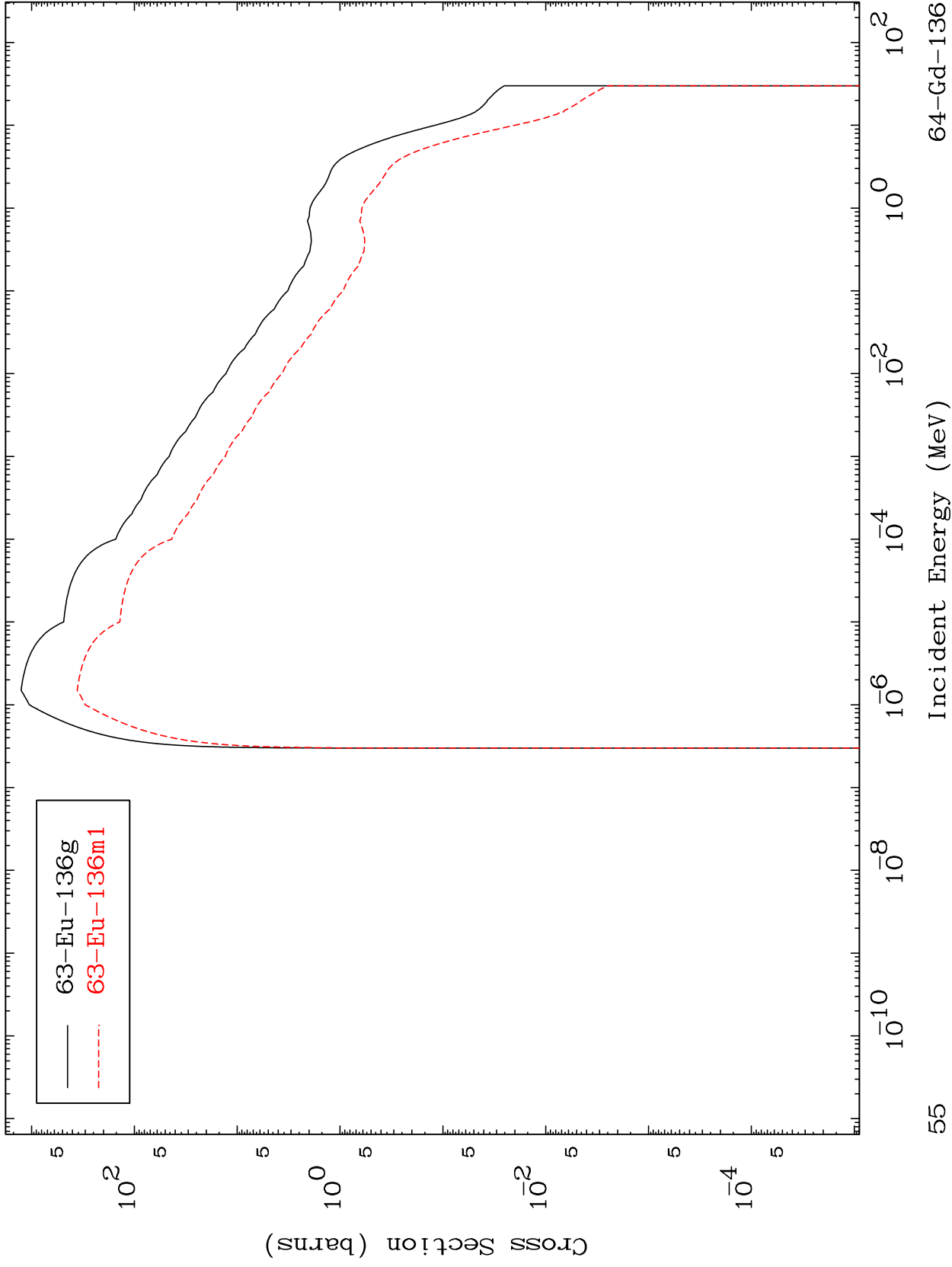
Incident Energy (MeV)

64-Gd-136

MAT 6377

64-Gd-136

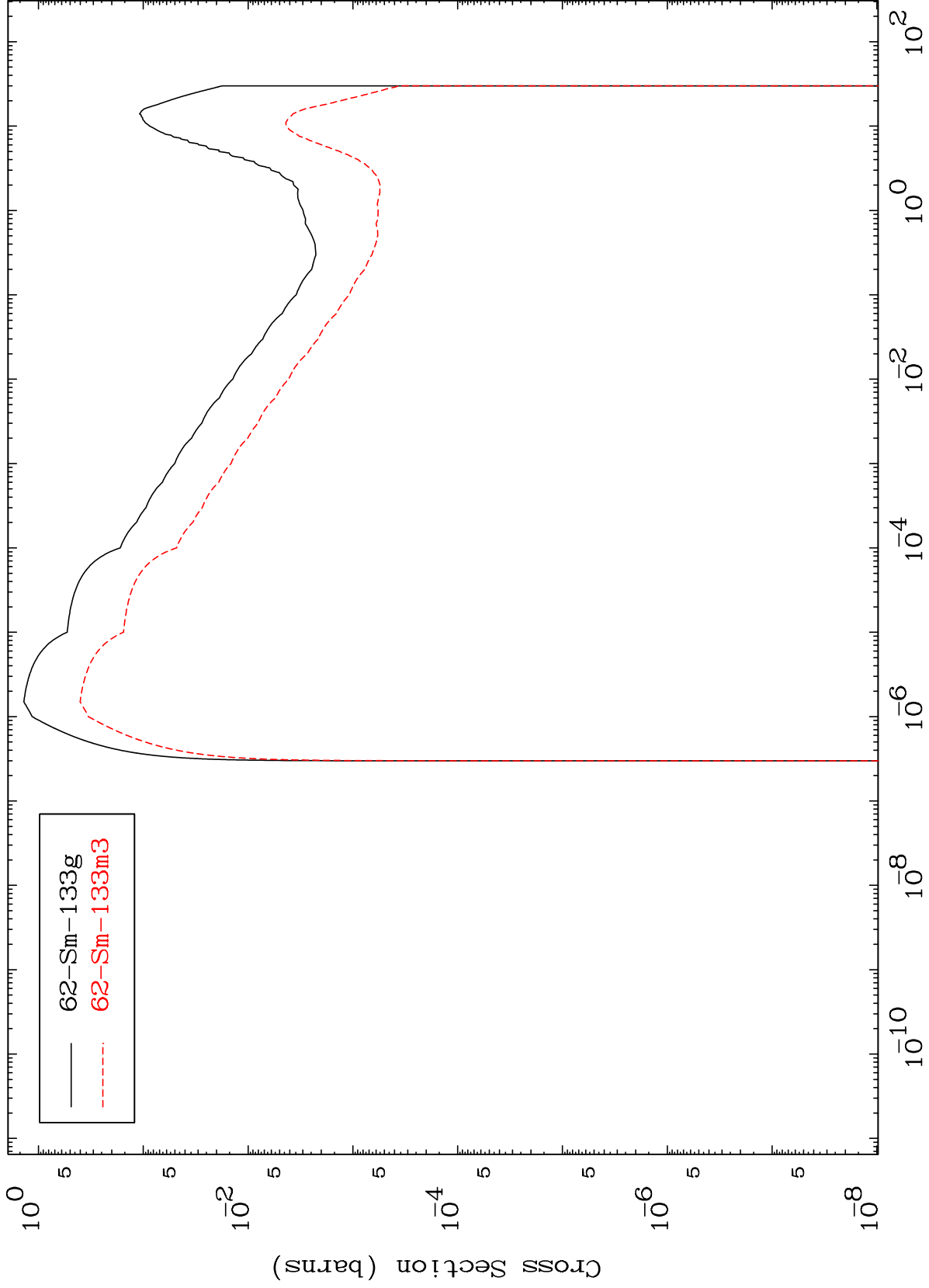
(n,p)
Radionuclide Production Cross Section



MAT 6377

64-Gd-136

Radionuclide Production Cross Section
(n, α)



56

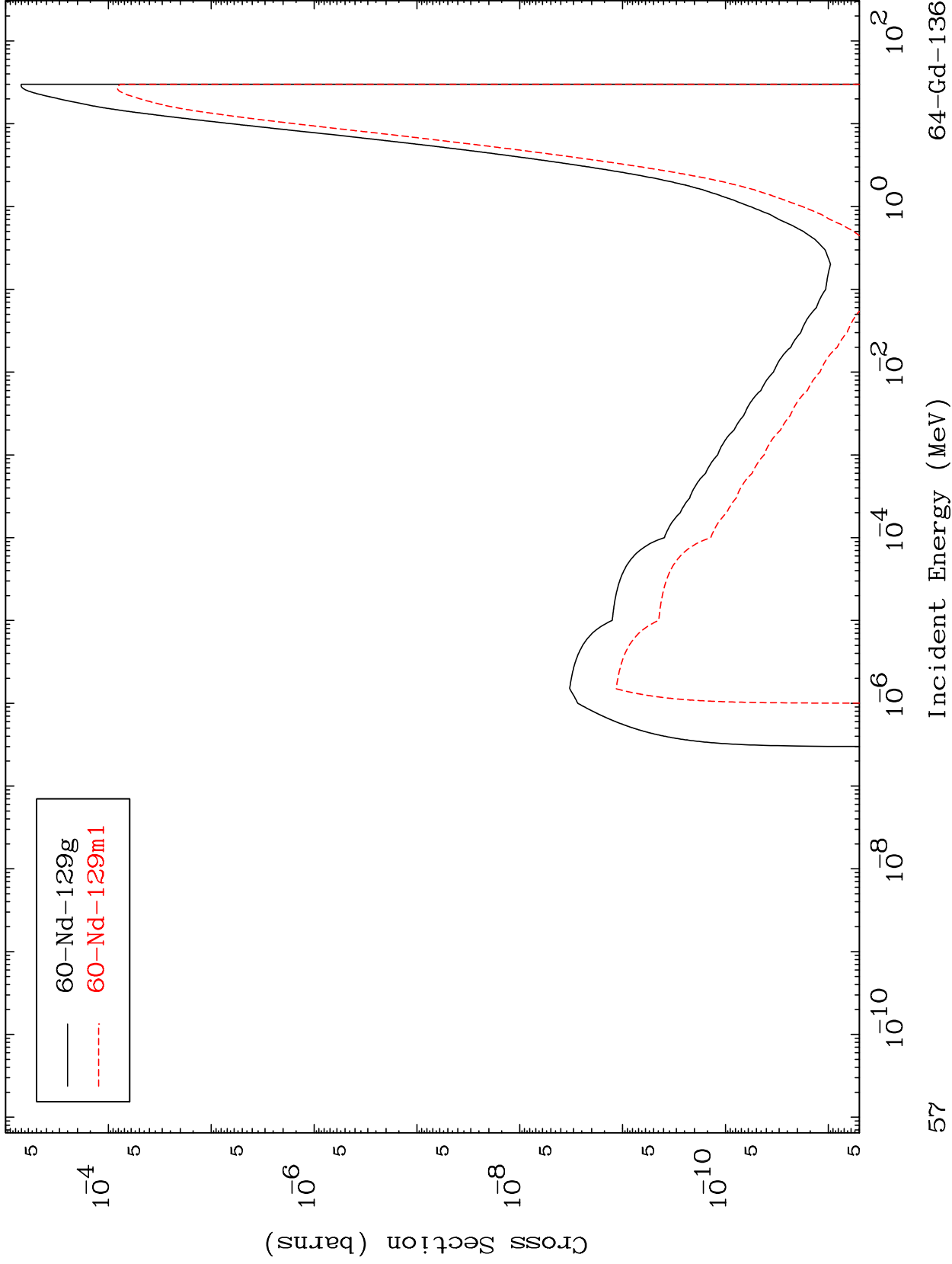
64-Gd-136

MAT 6377

(n,2α)

64-Gd-136

Radionuclide Production Cross Section

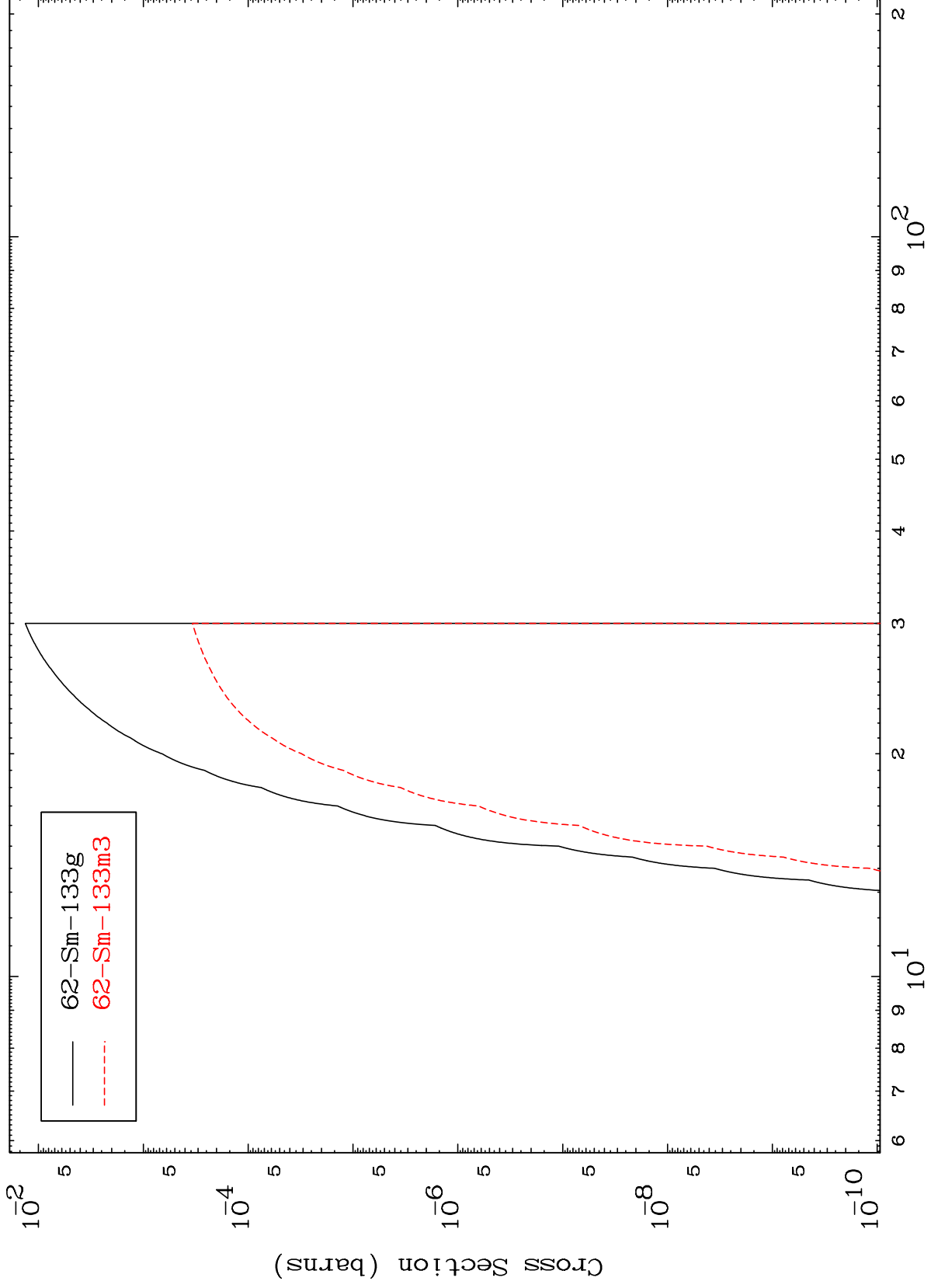


MAT 6377

(n,p) t

64-Gd-136

Radionuclide Production Cross Section



58

Incident Energy (MeV)

64-Gd-136