

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

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

Tele: 925-443-1911

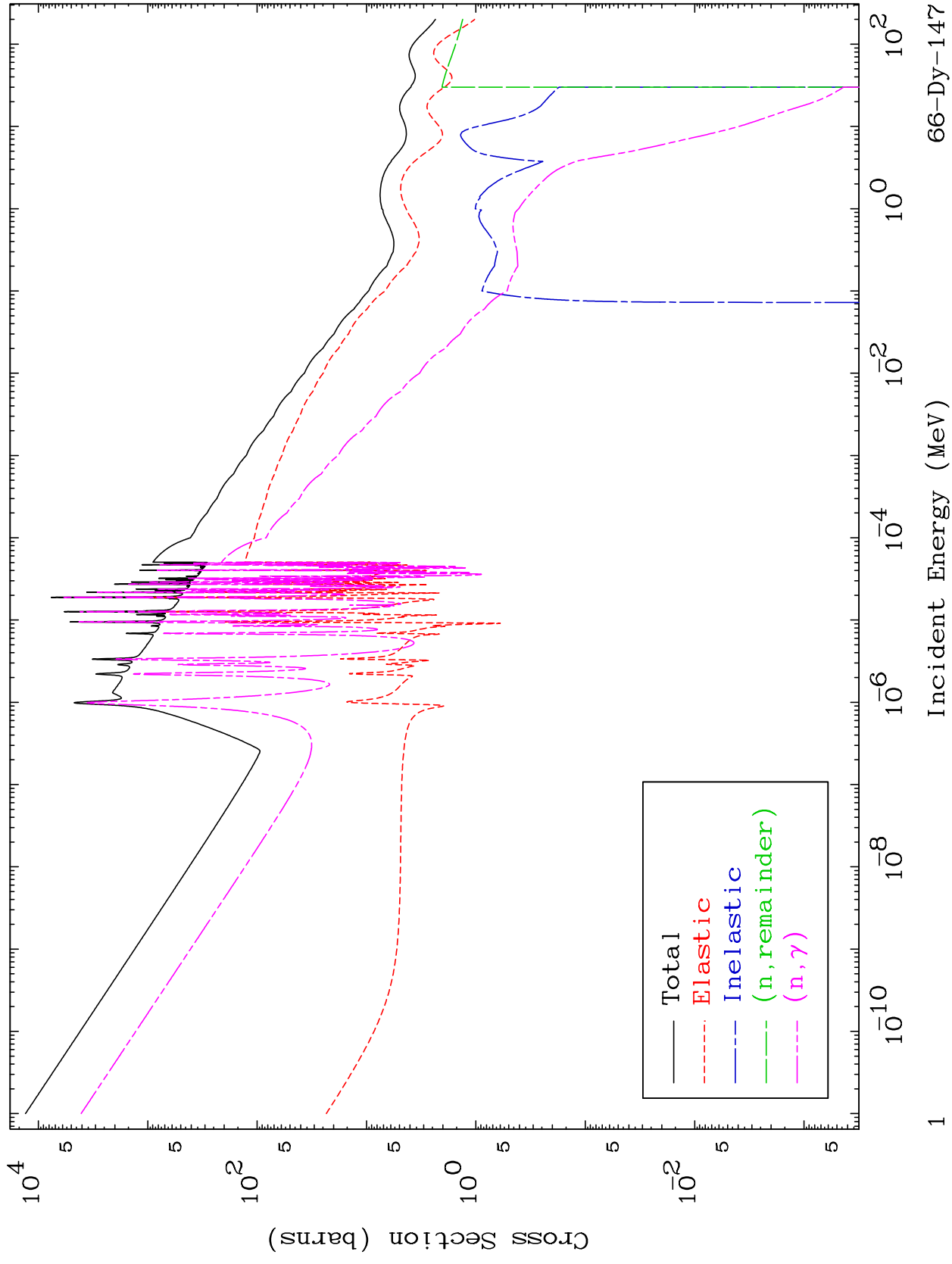
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 6598

Major  
293 Kelvin Cross Sections

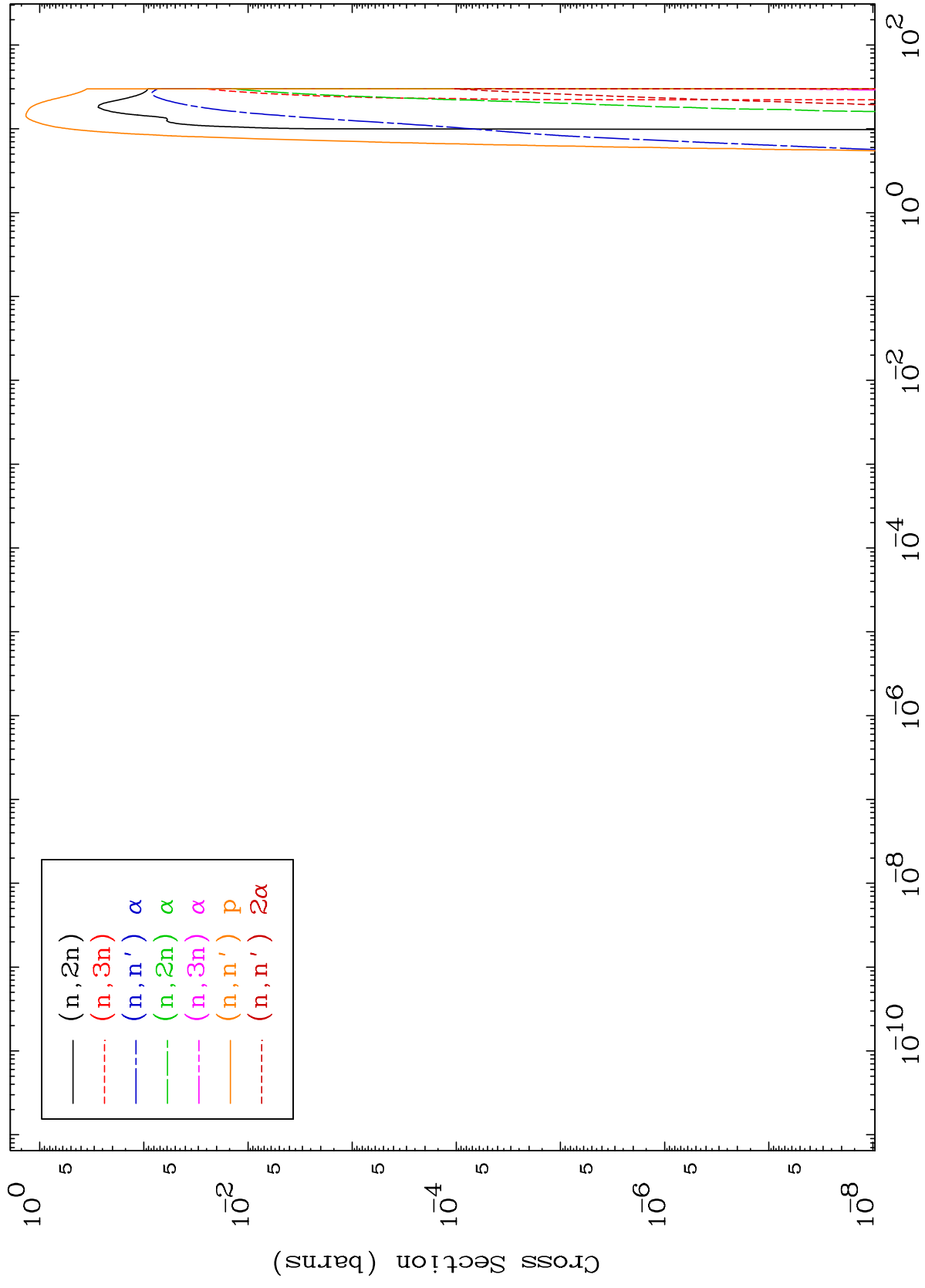
66-Dy-147



MAT 6598

Neutron Production  
293 Kelvin Cross Sections

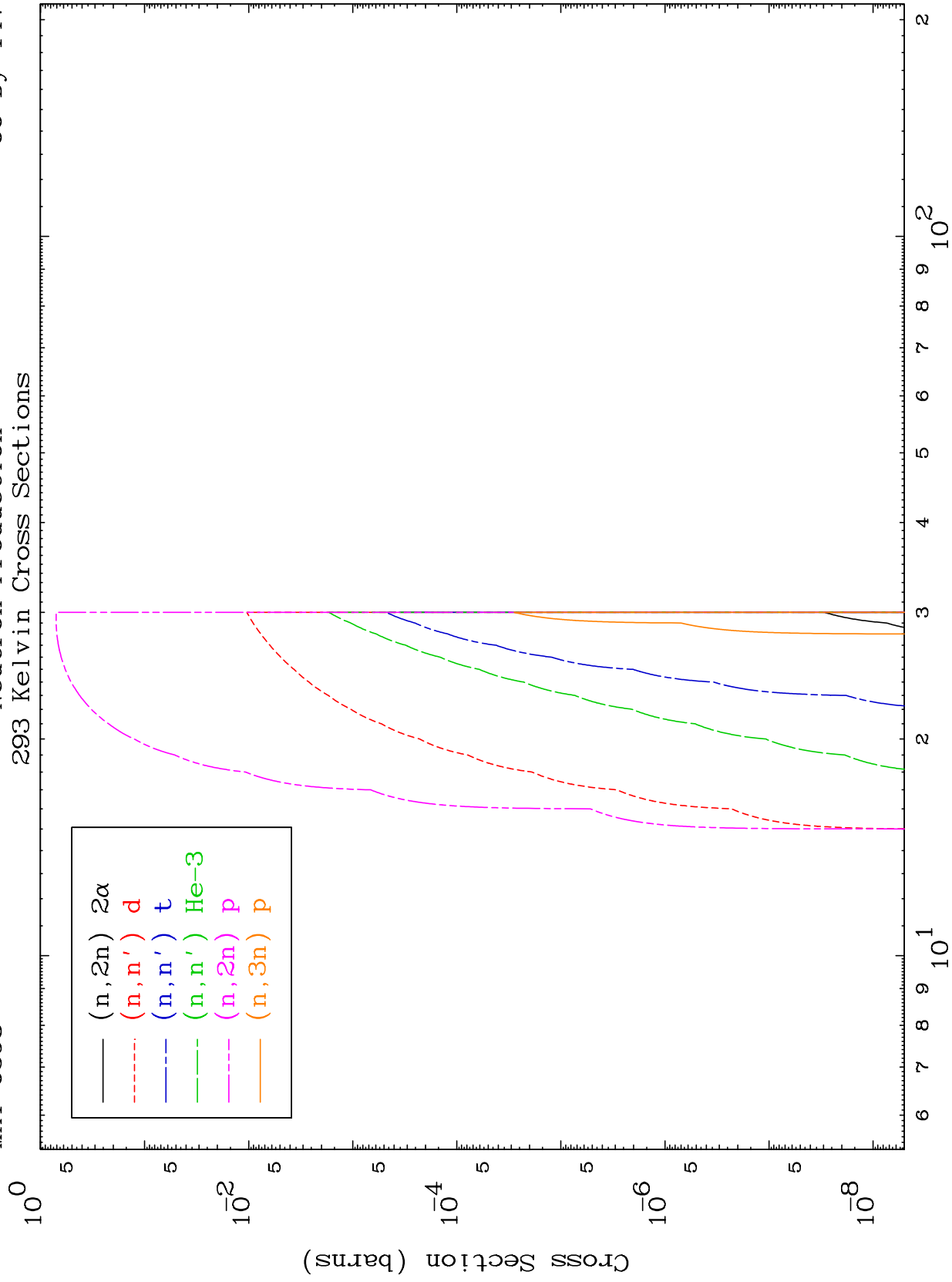
66-Dy-147



MAT 6598

Neutron Production  
293 Kelvin Cross Sections

66-Dy-147



3

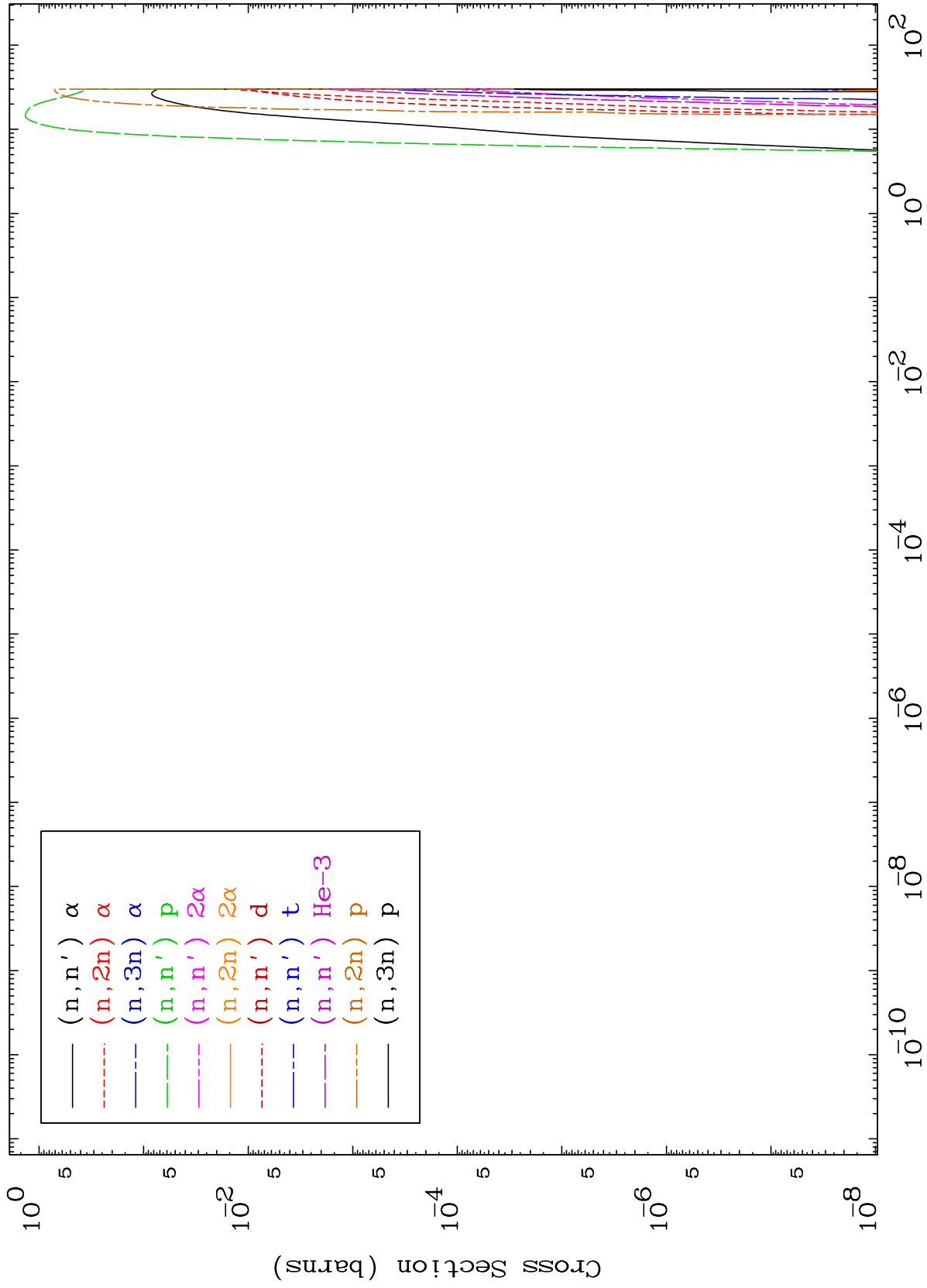
Incident Energy (MeV)

66-Dy-147

MAT 6598

293 Kelvin Cross Sections

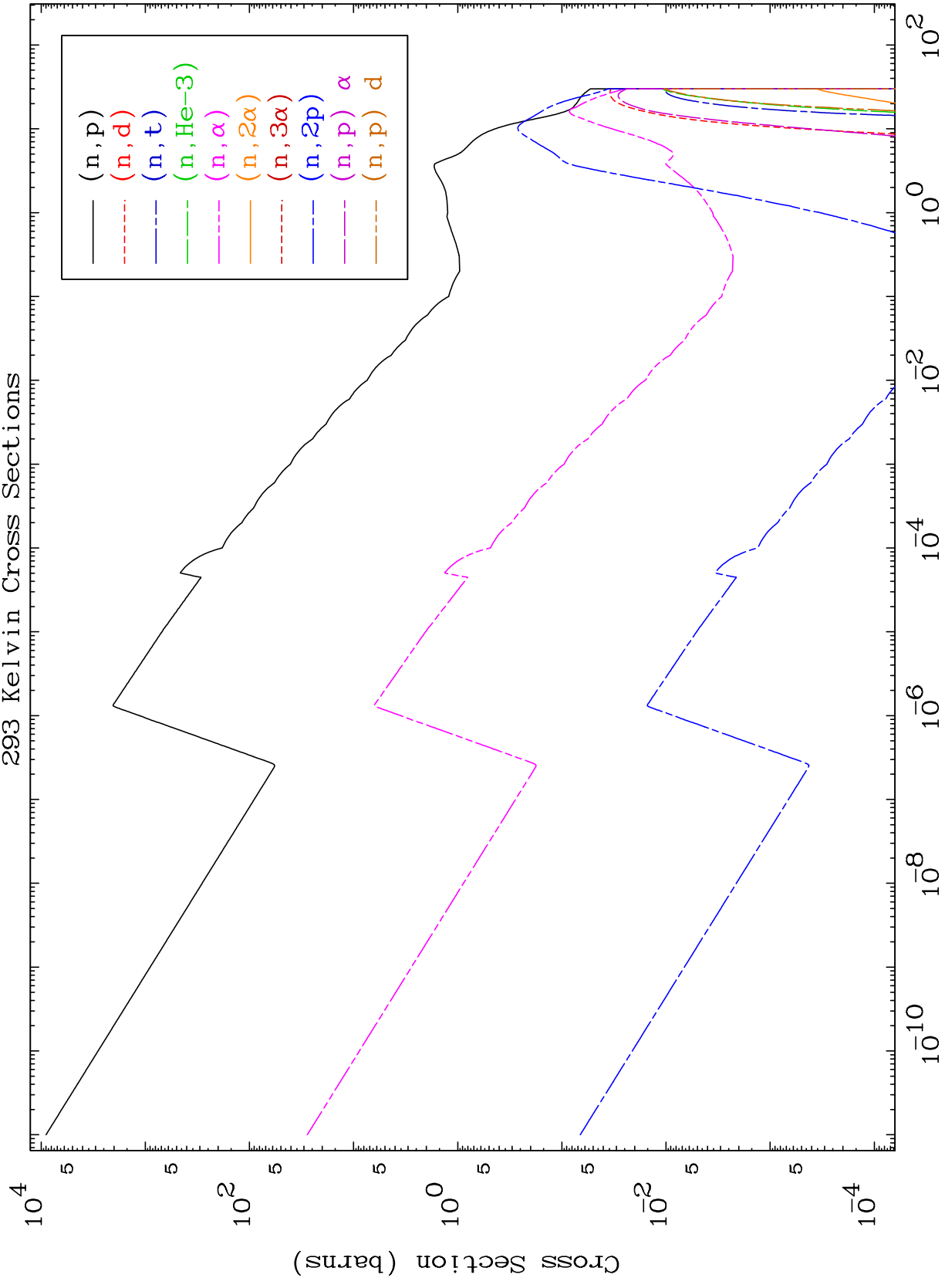
66-Dy-147



MAT 6598

293 Kelvin Cross Sections

66-Dy-147



5

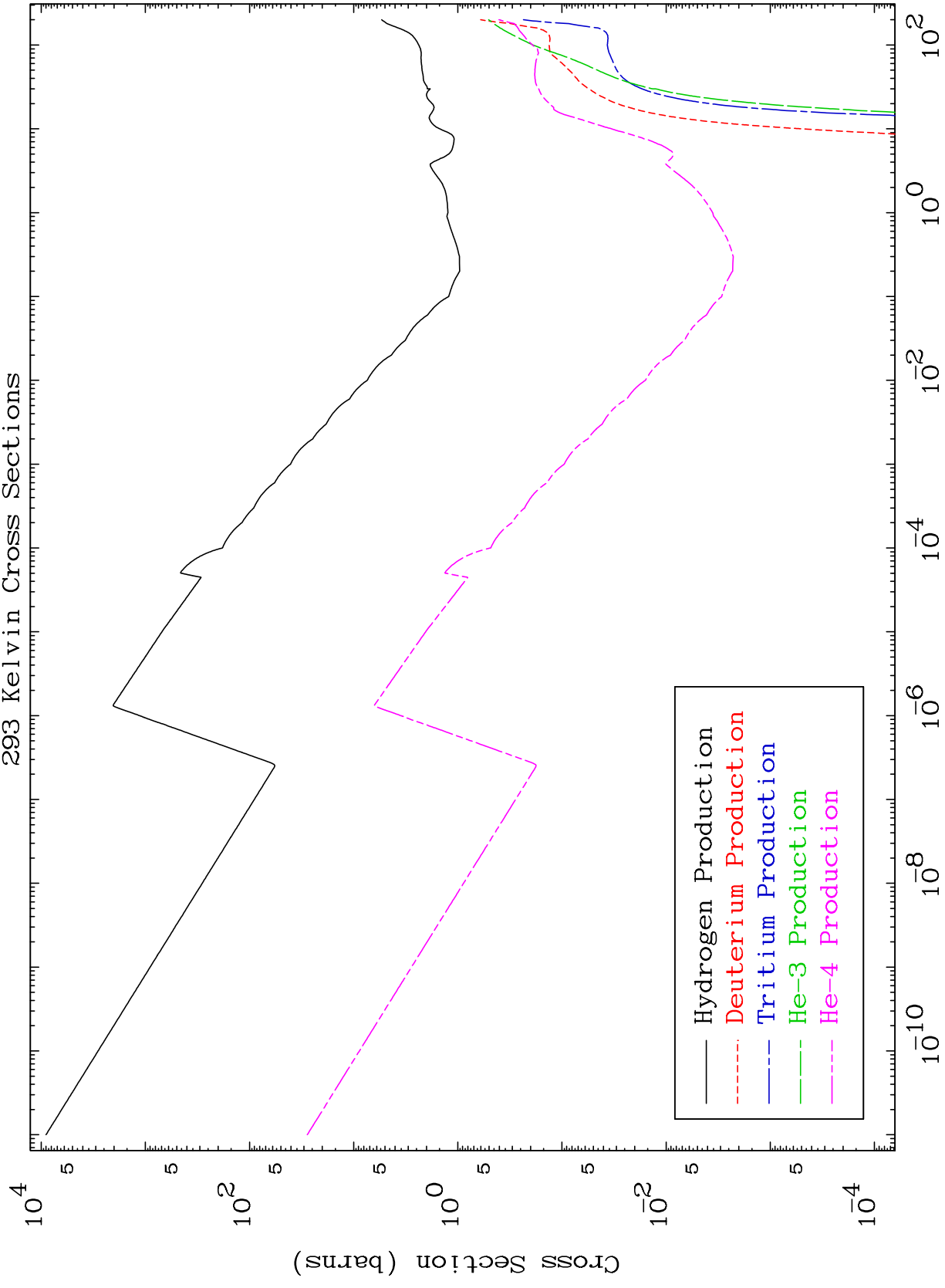
Incident Energy (MeV)

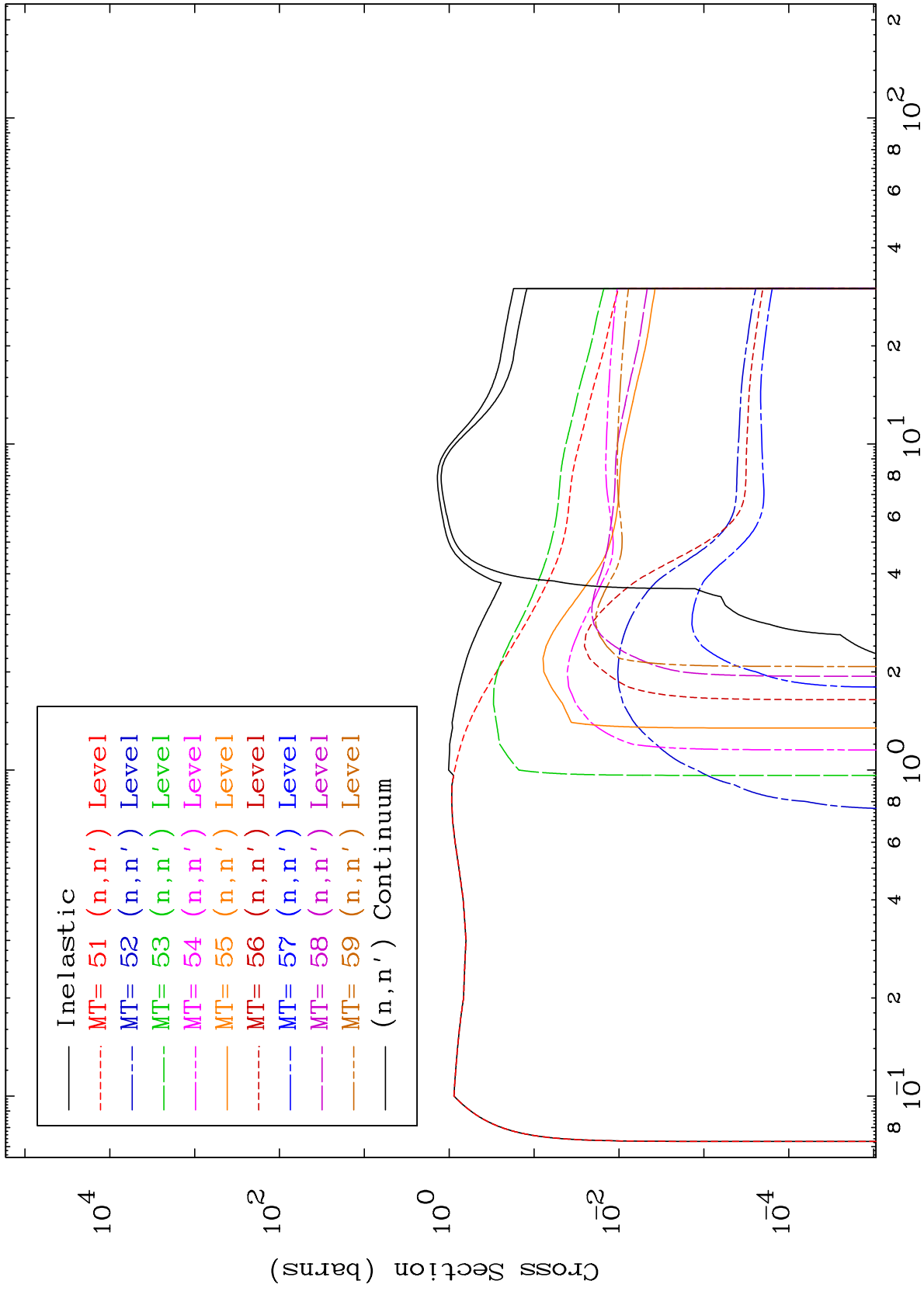
66-Dy-147

MAT 6598

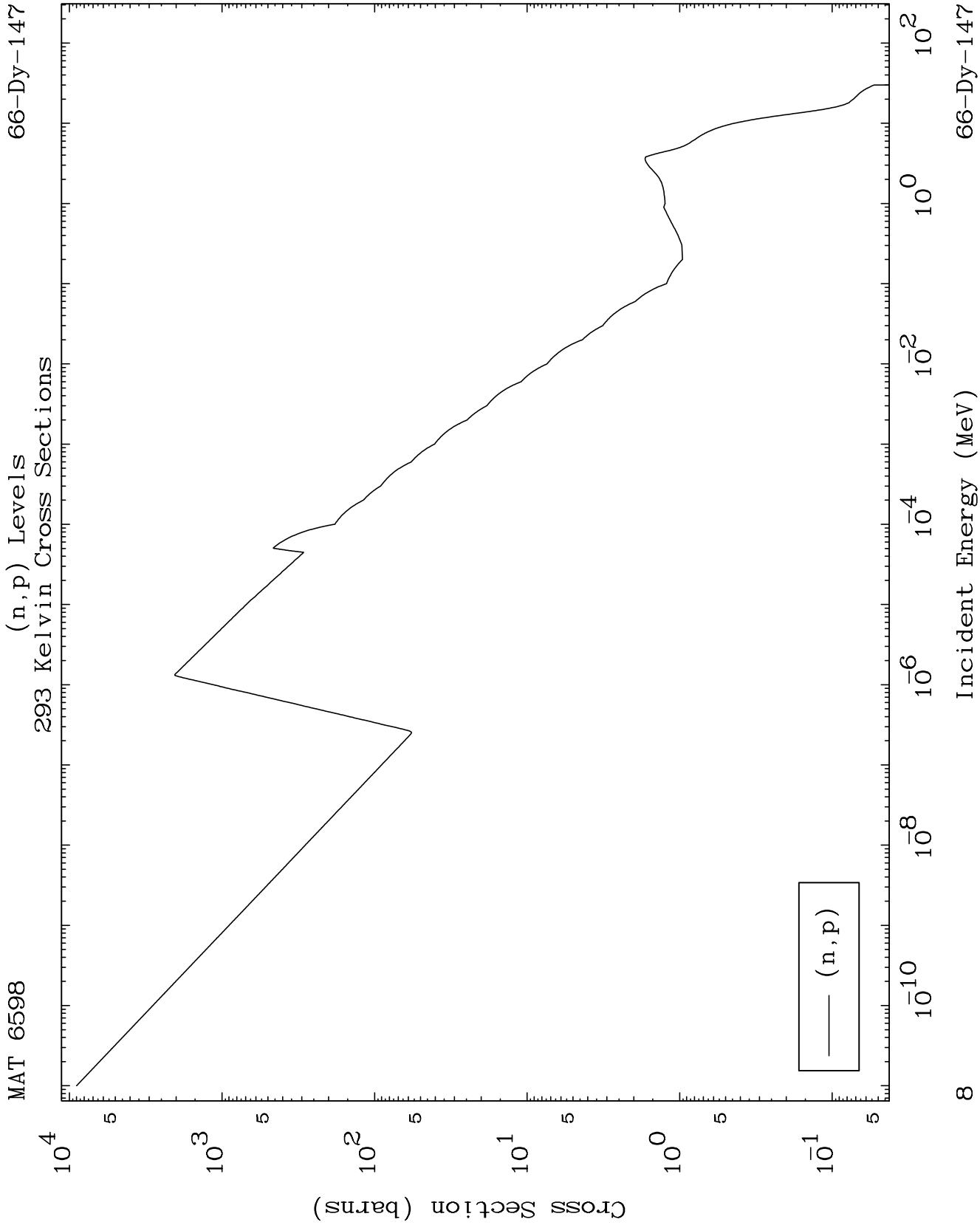
Particle Production  
293 Kelvin Cross Sections

66-Dy-147





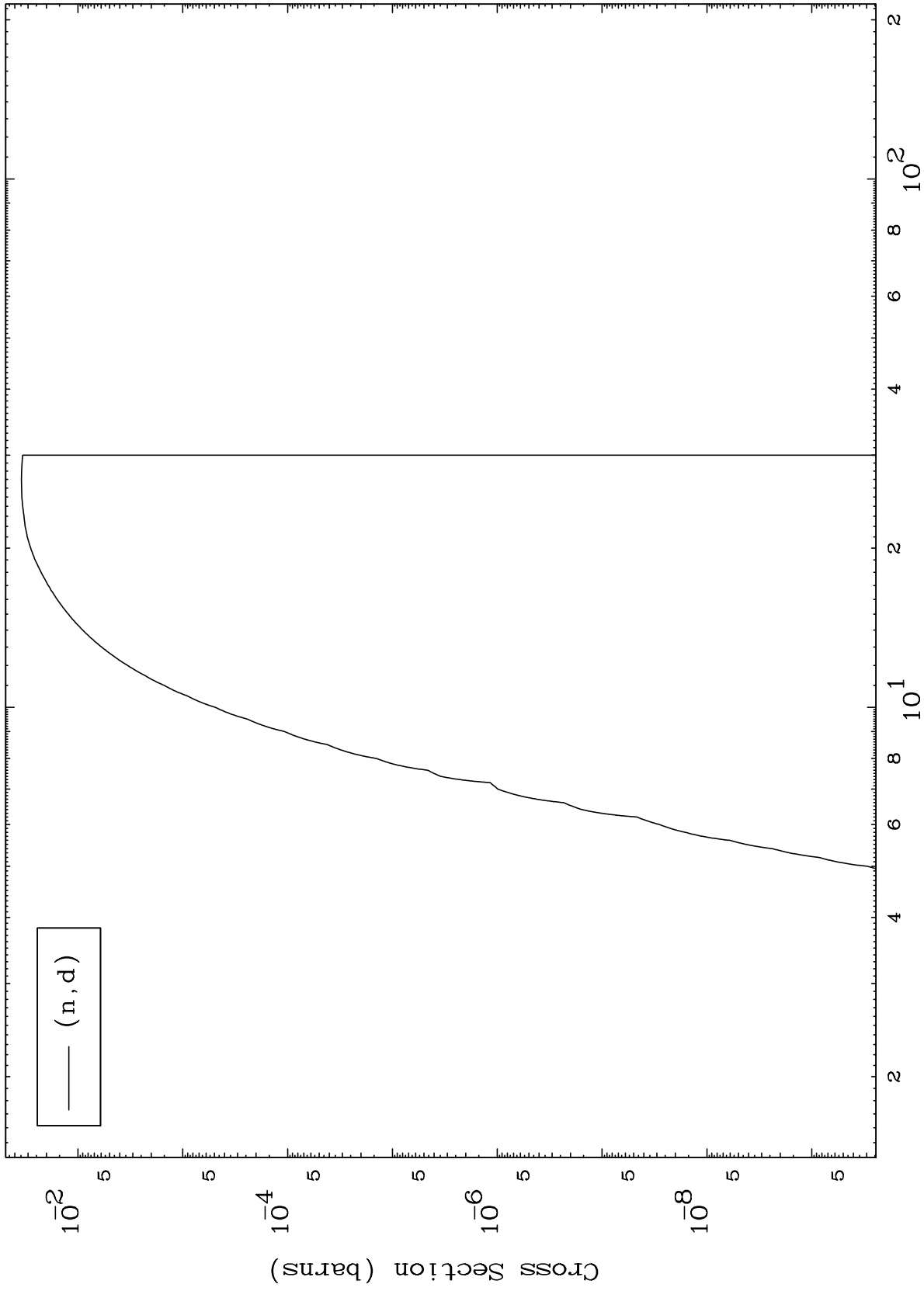




MAT 6598

(n,d) Levels  
293 Kelvin Cross Sections

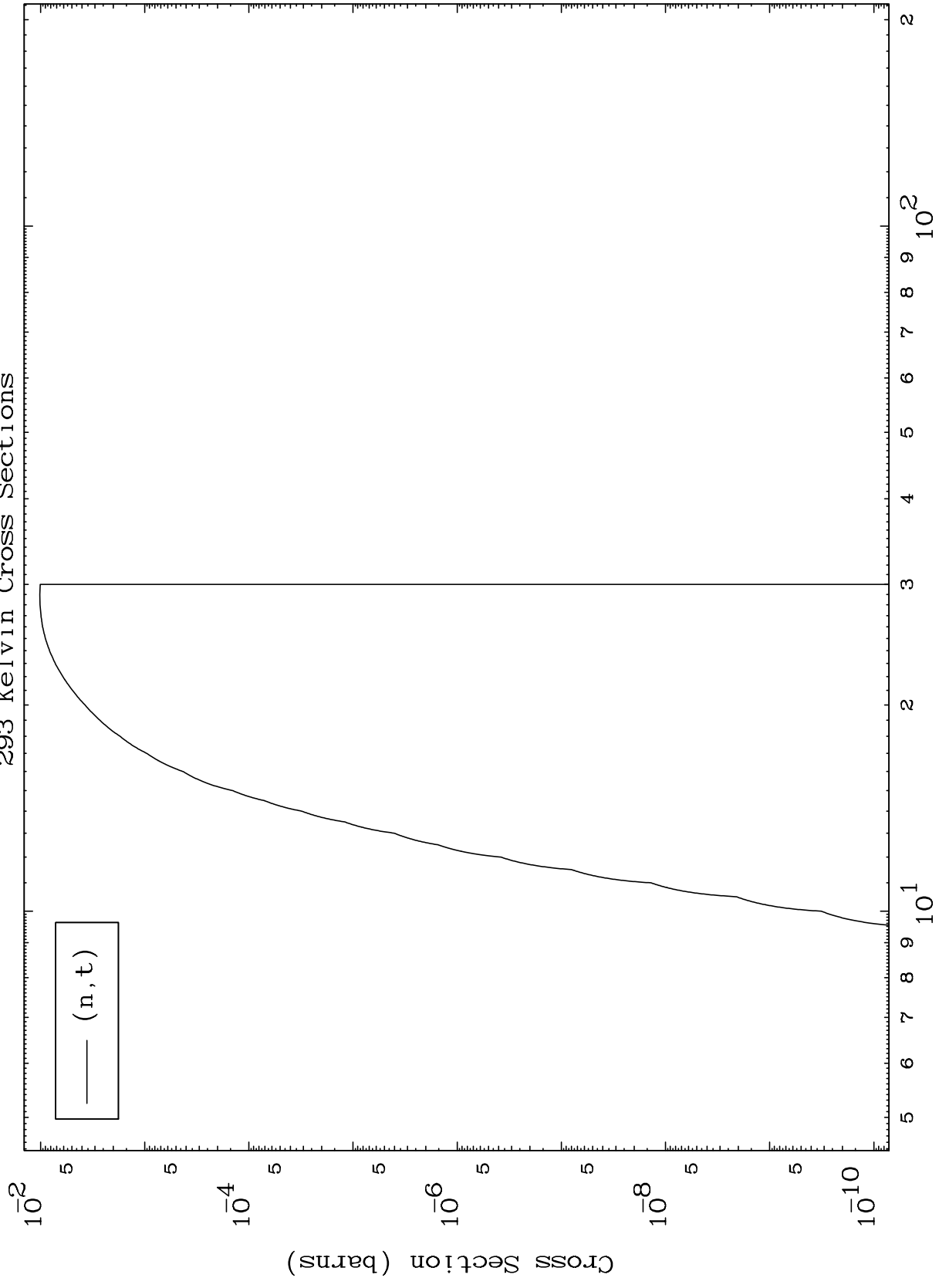
66-Dy-147



MAT 6598

(n,t) Levels  
293 Kelvin Cross Sections

66-Dy-147



10

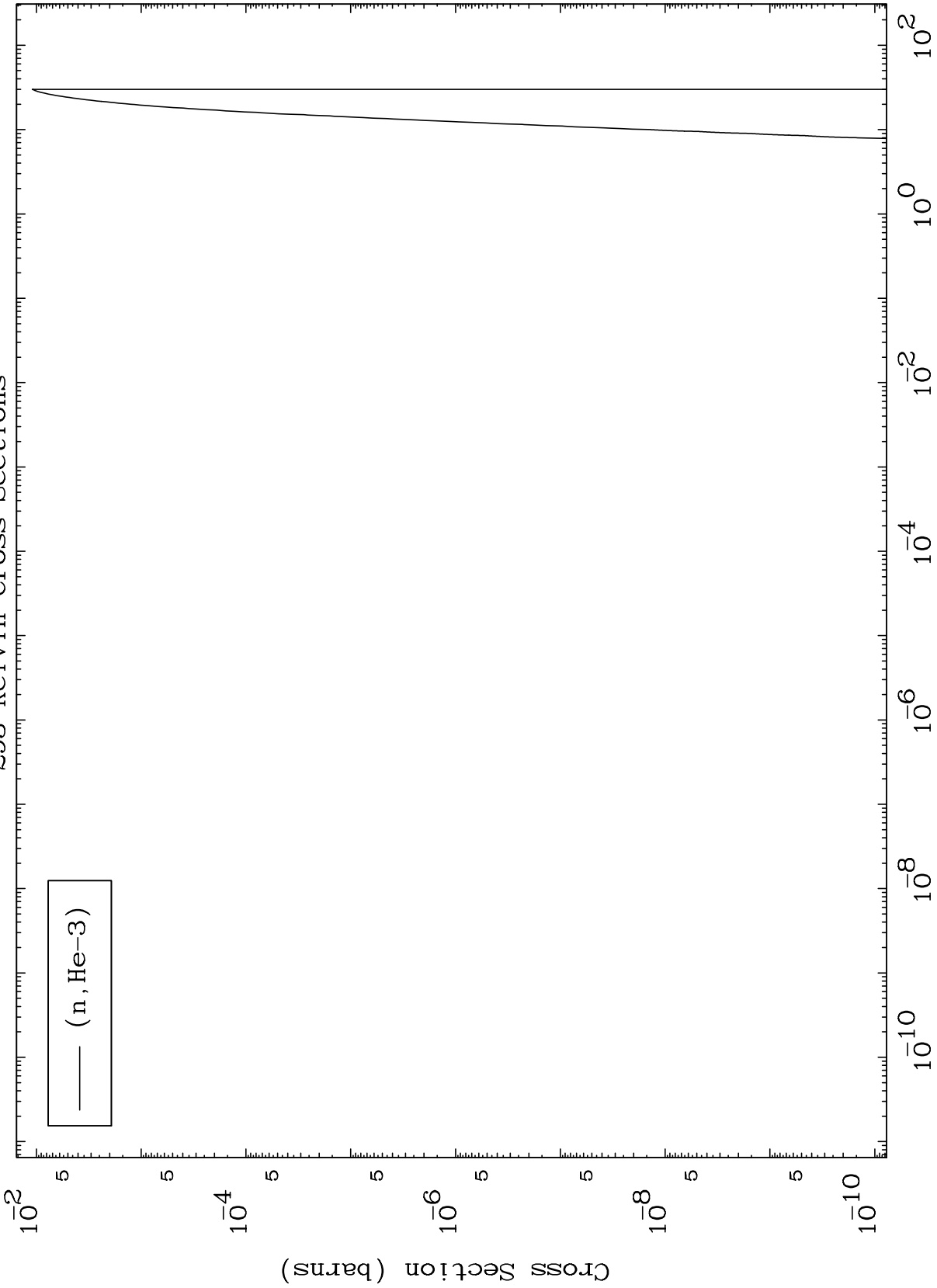
Incident Energy (MeV)

66-Dy-147

MAT 6598

(n,He3) Levels  
293 Kelvin Cross Sections

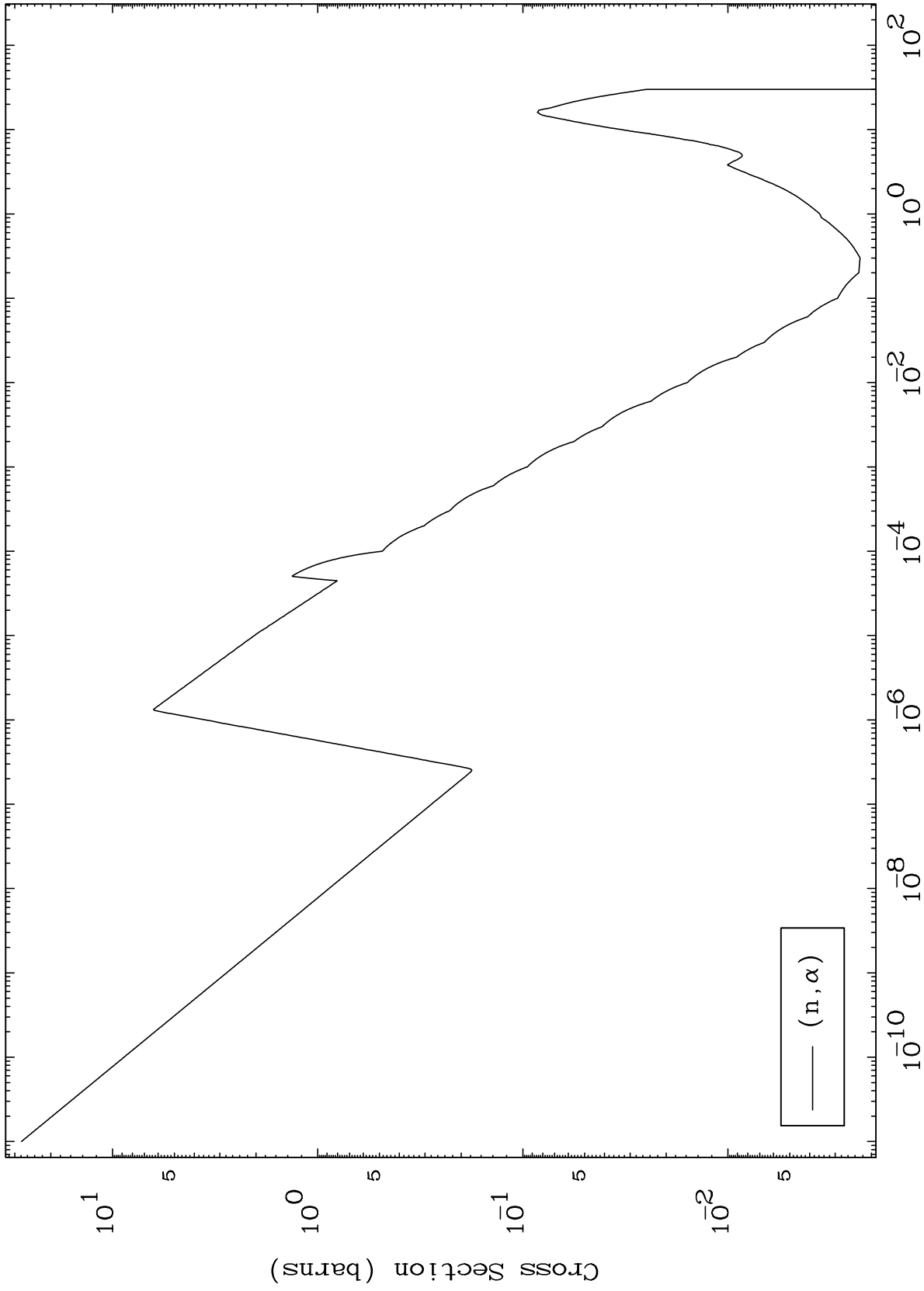
66-Dy-147



MAT 6598

(n,α) Levels  
293 Kelvin Cross Sections

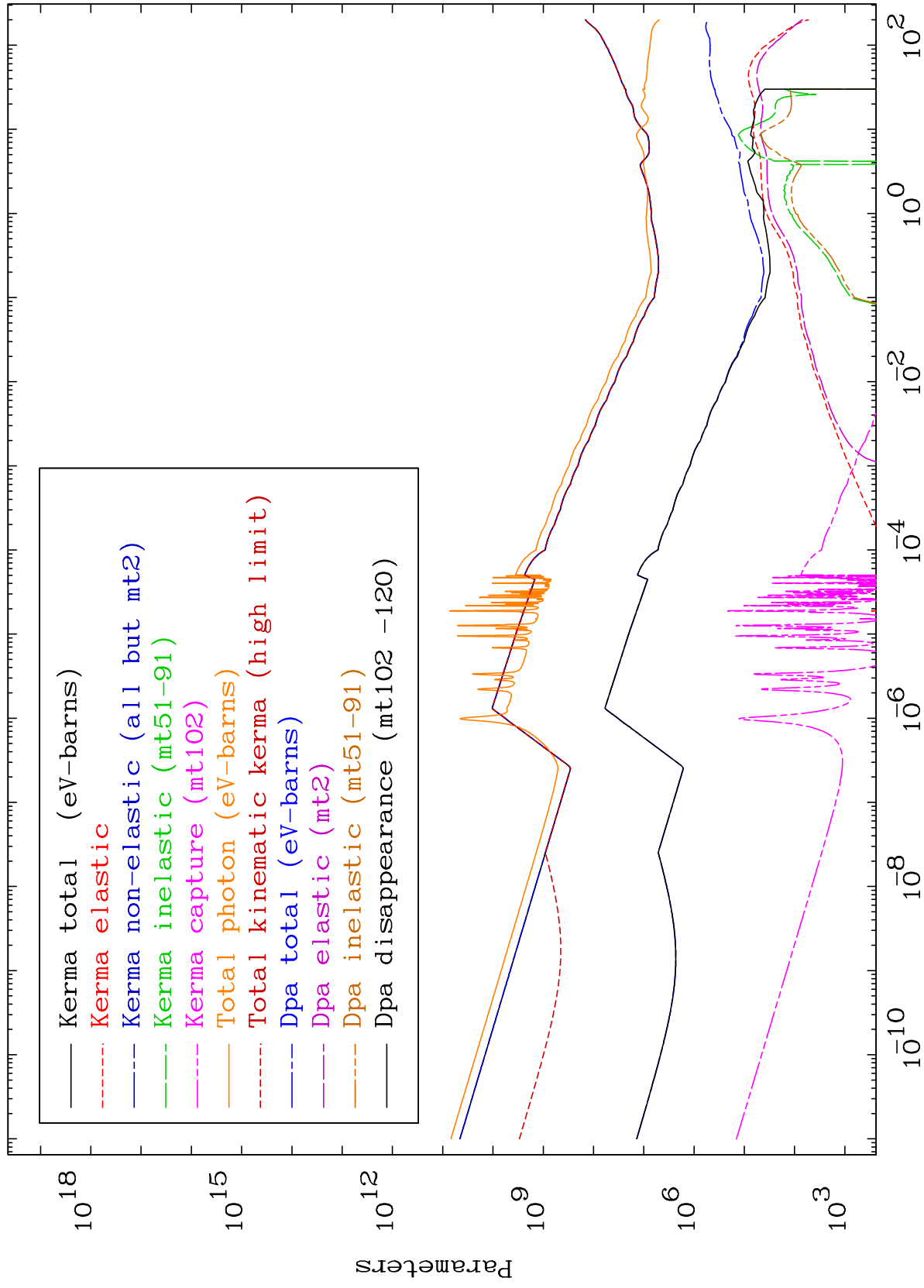
66-Dy-147



12

Incident Energy (MeV)

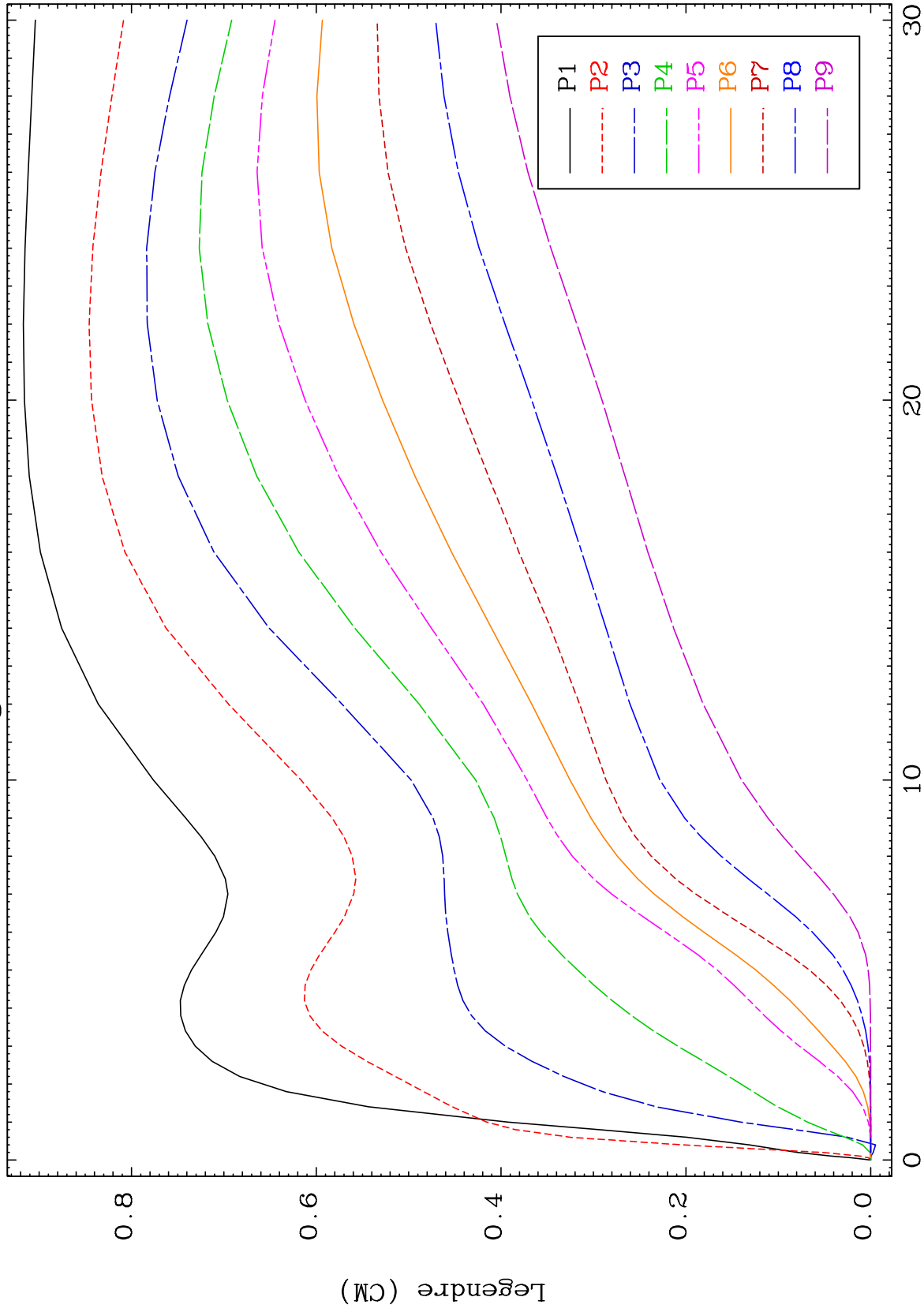
66-Dy-147



MAT 6598

Elastic Legendre Coefficients

66-Dy-147



14

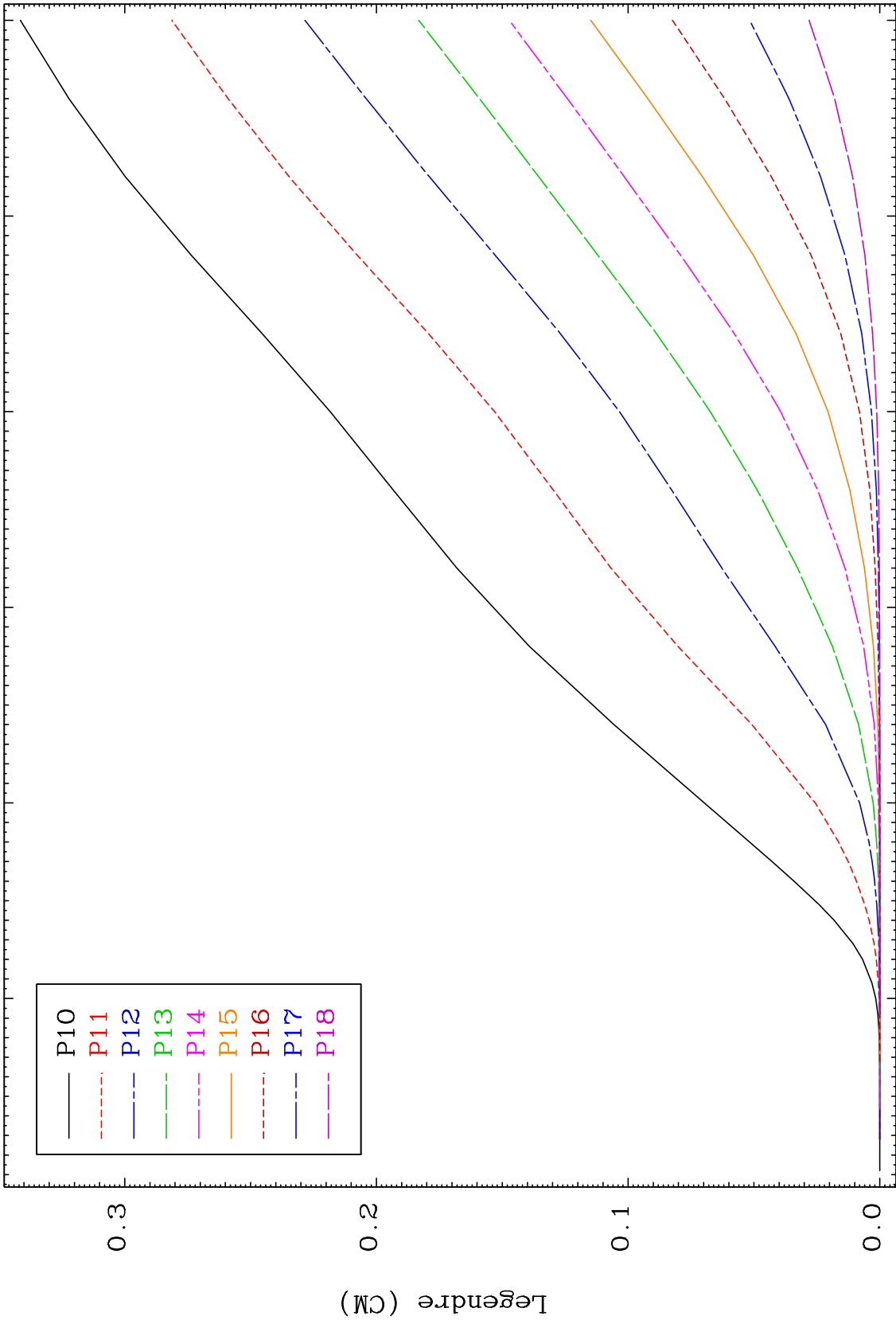
Incident Energy (MeV)

66-Dy-147

MAT 6598

Elastic Legendre Coefficients

66-Dy-147



15

Incident Energy (MeV)

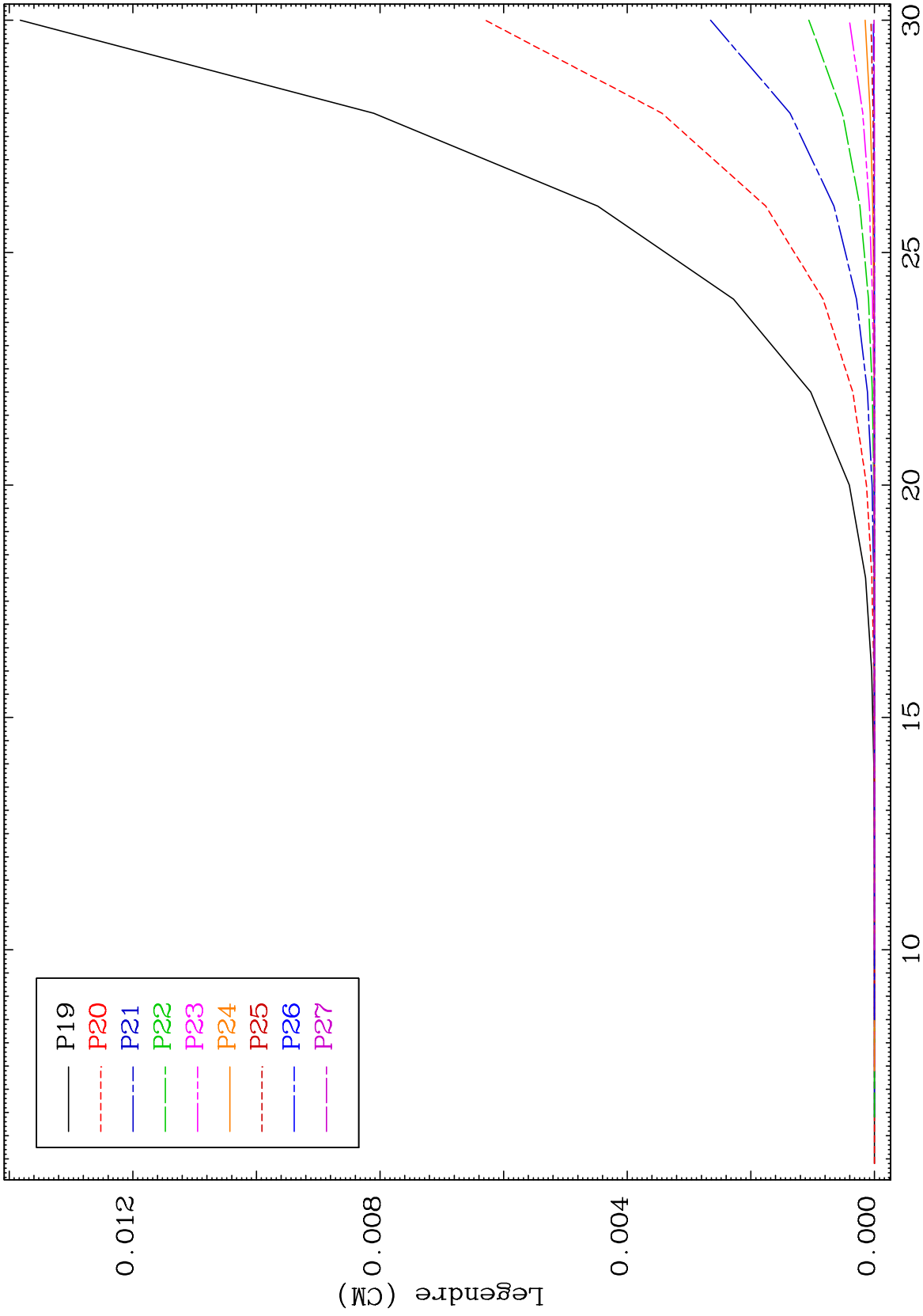
66-Dy-147



MAT 6598

Elastic Legendre Coefficients

66-Dy-147



16

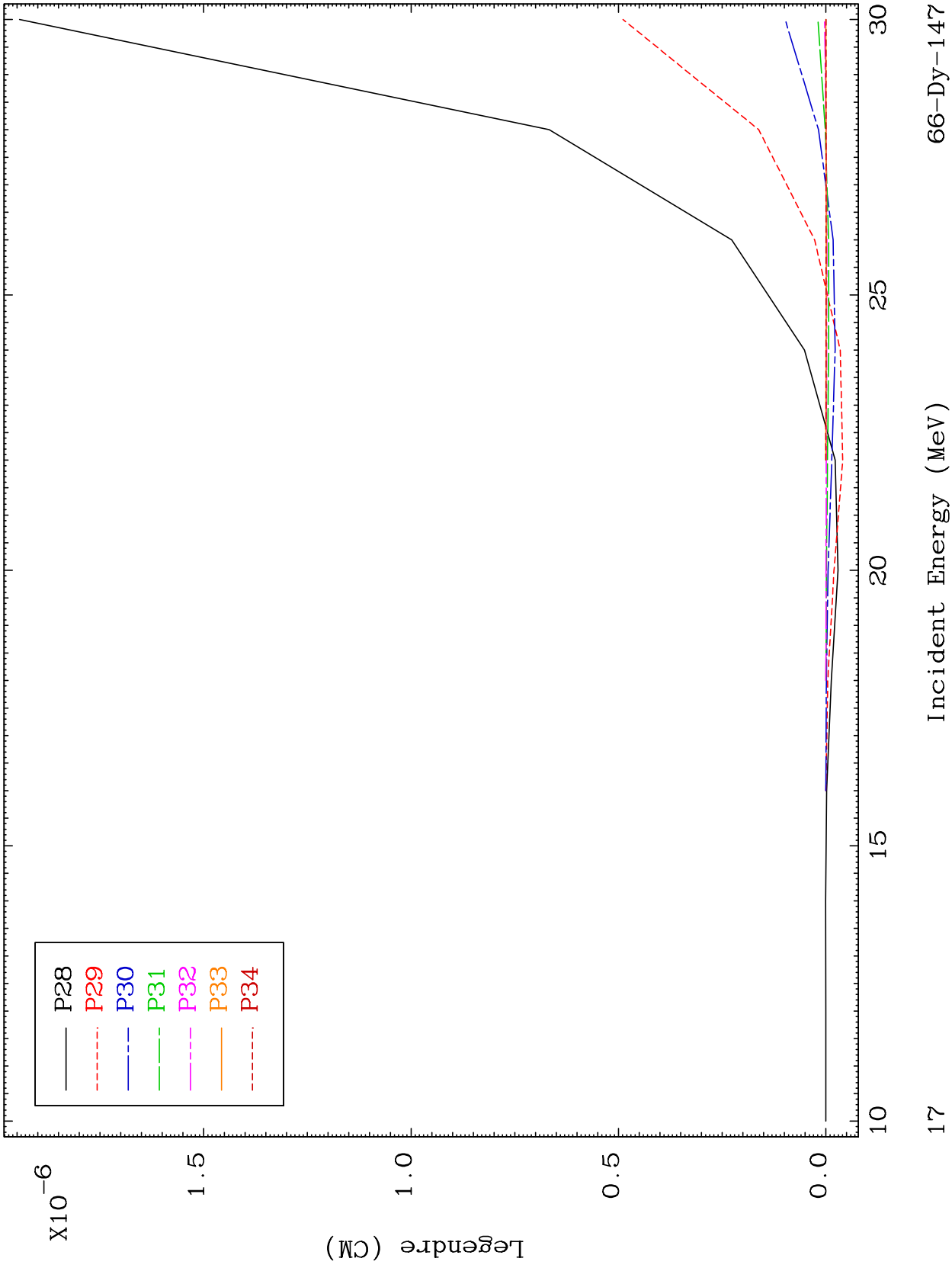
Incident Energy (MeV)

66-Dy-147

MAT 6598

Elastic Legendre Coefficients

66-Dy-147



17

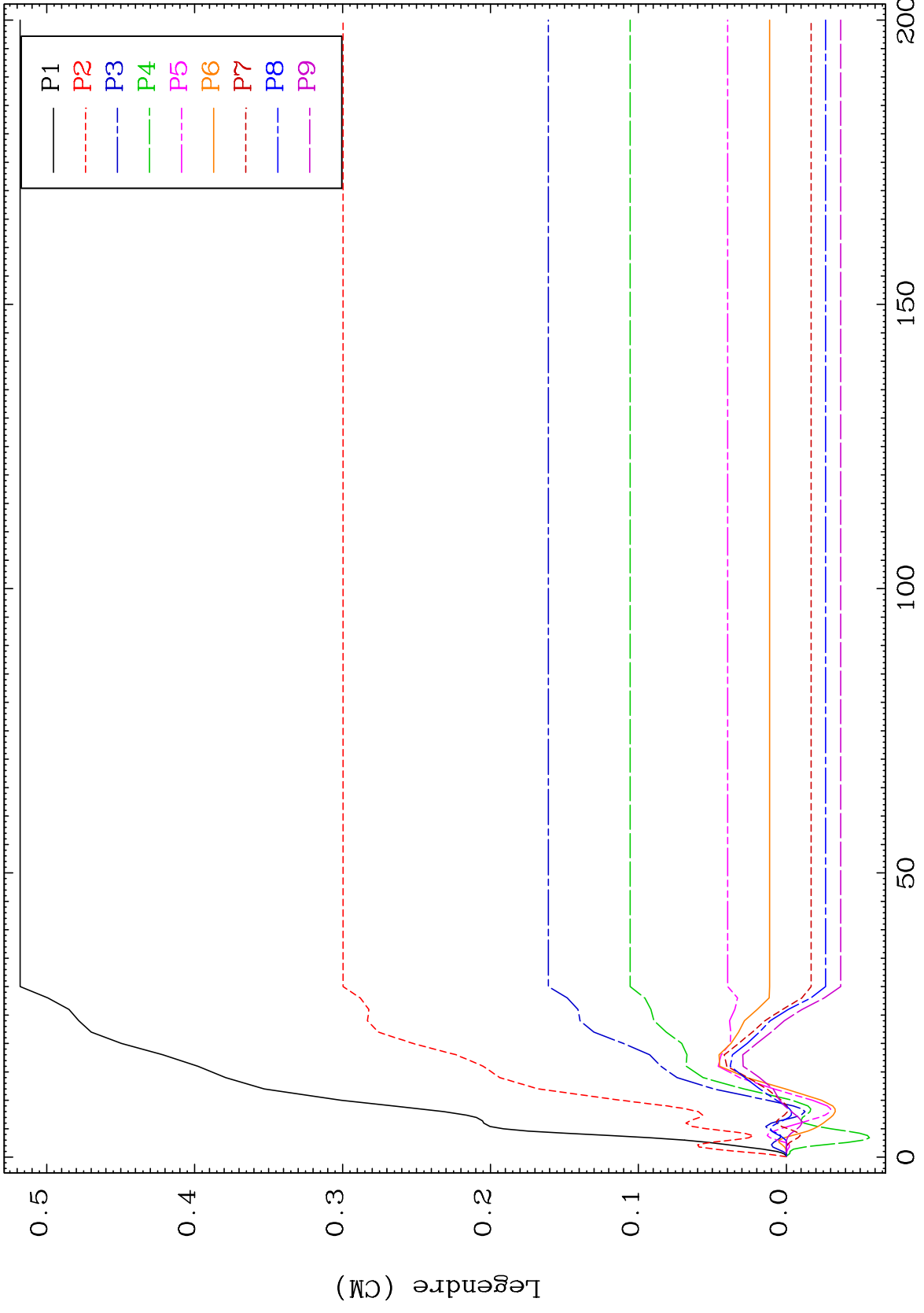
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



66-Dy-147

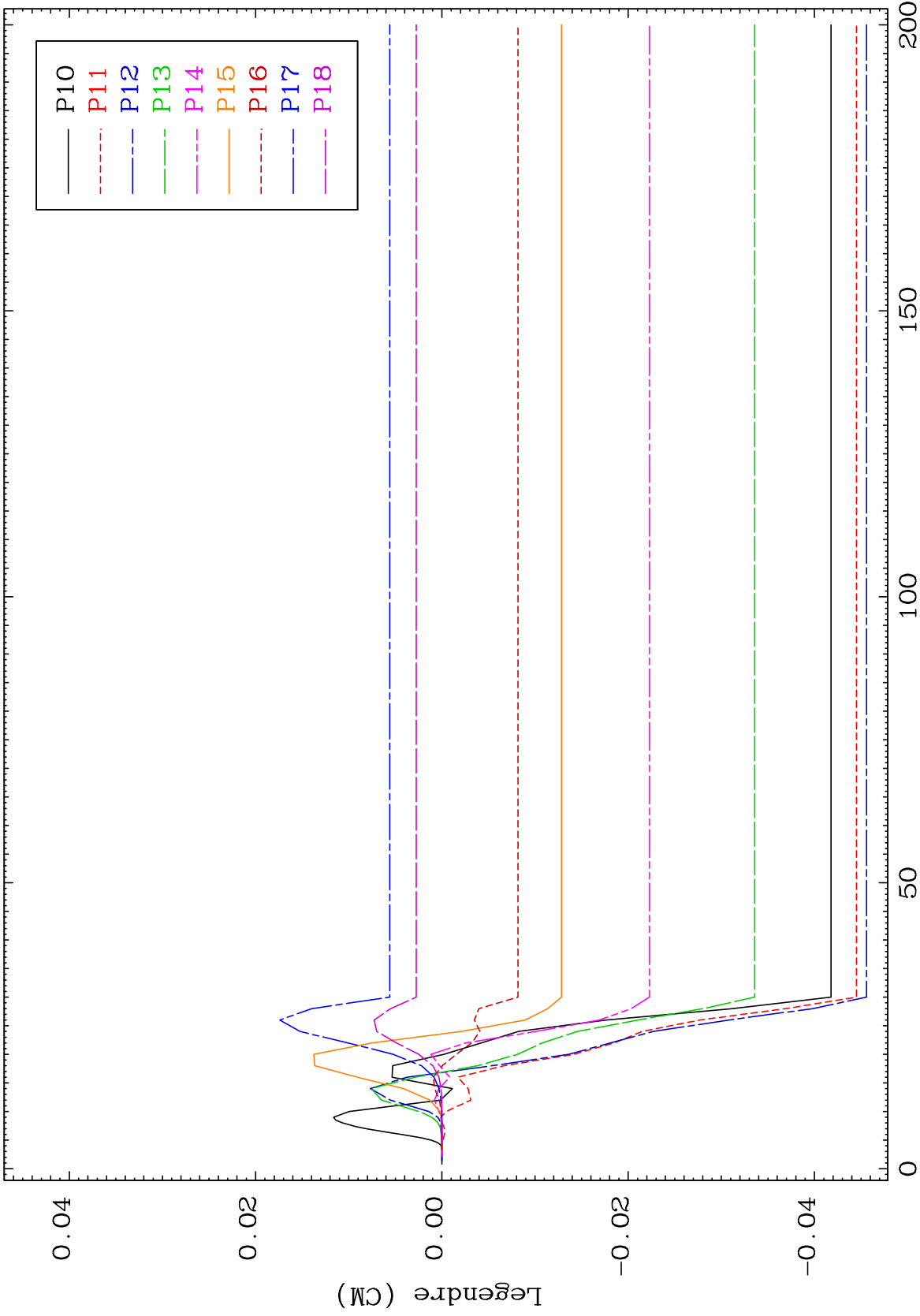
Incident Energy (MeV)

18

MAT 6598

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

66-Dy-147



19

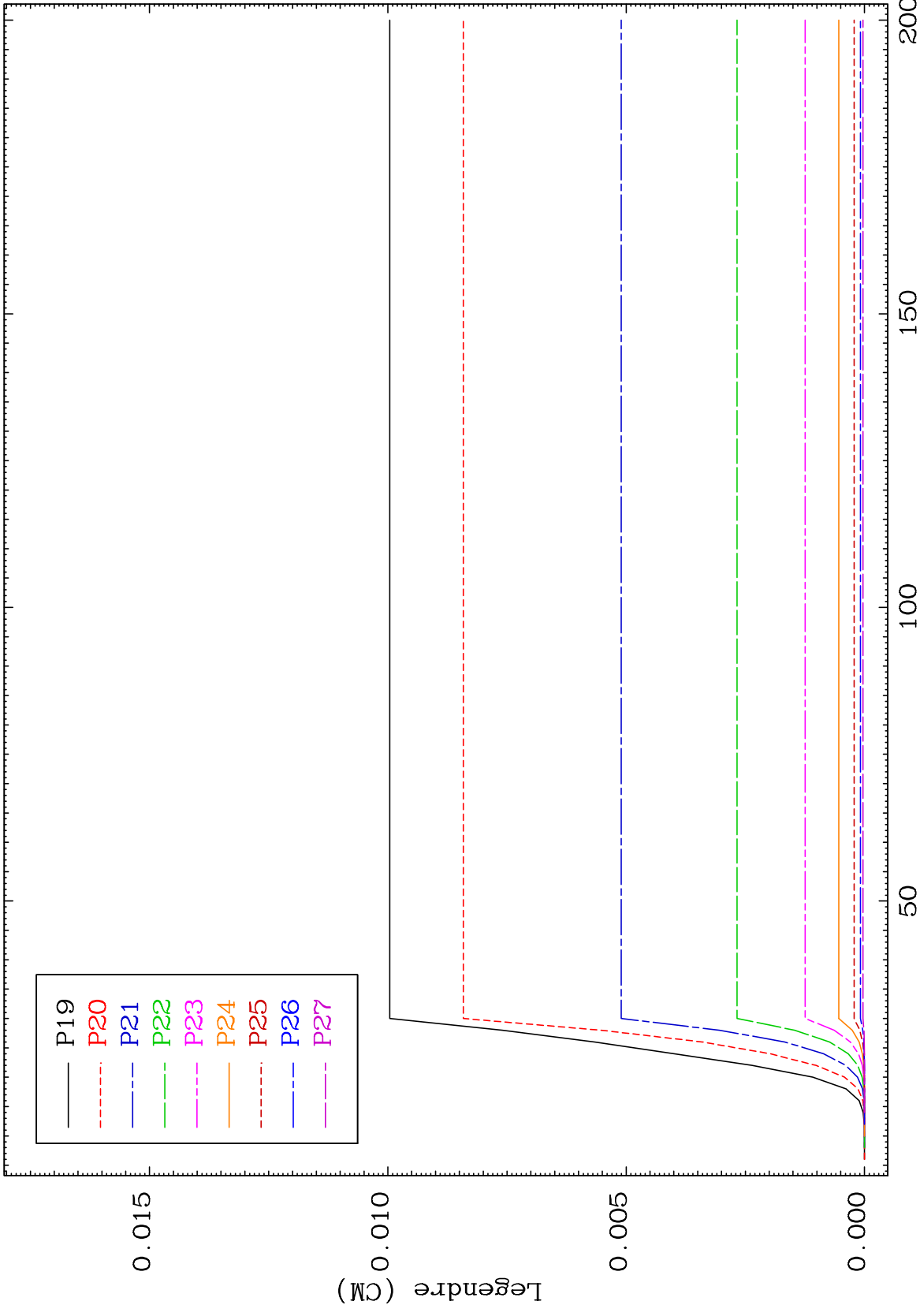
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



20

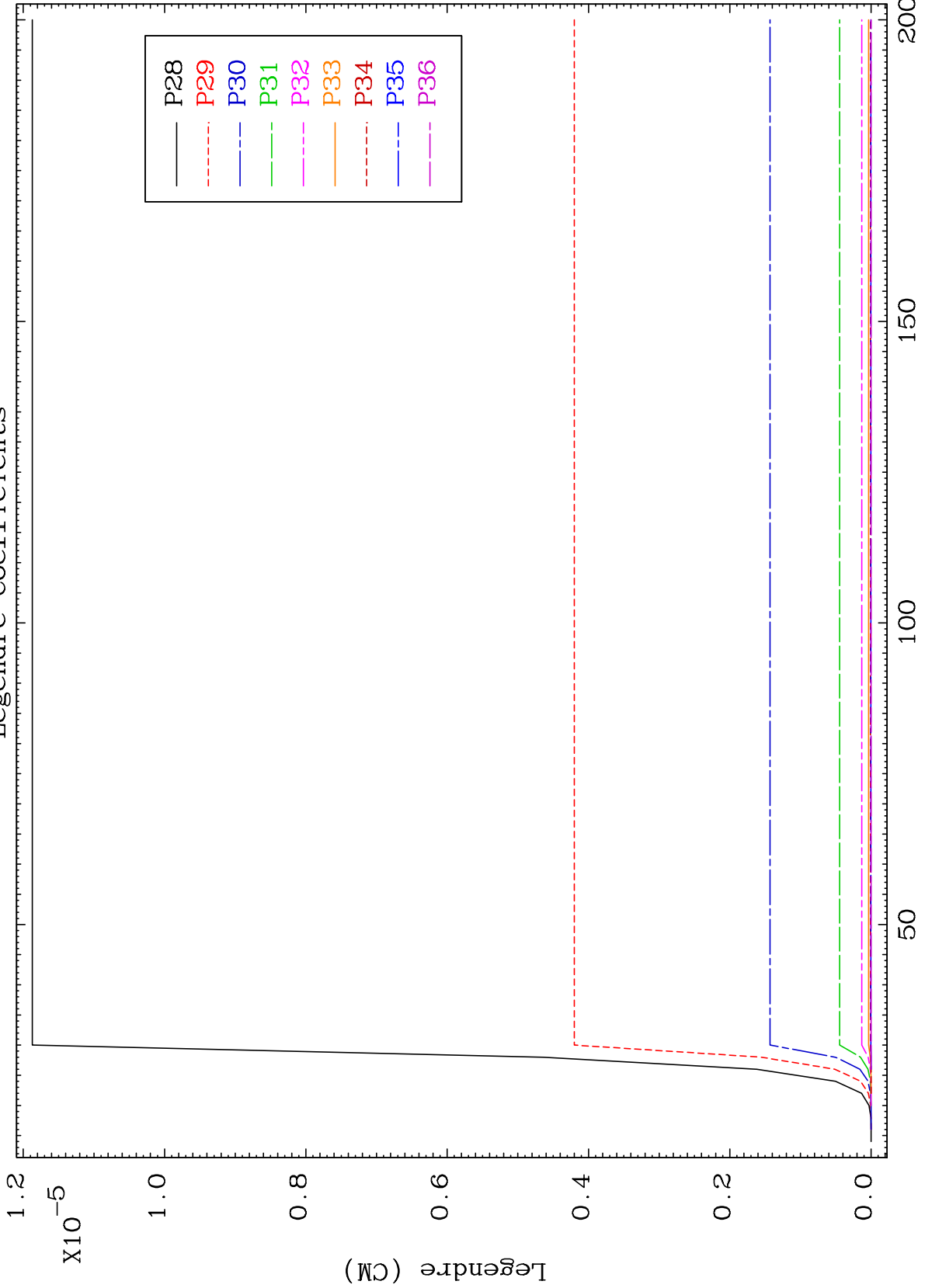
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



21

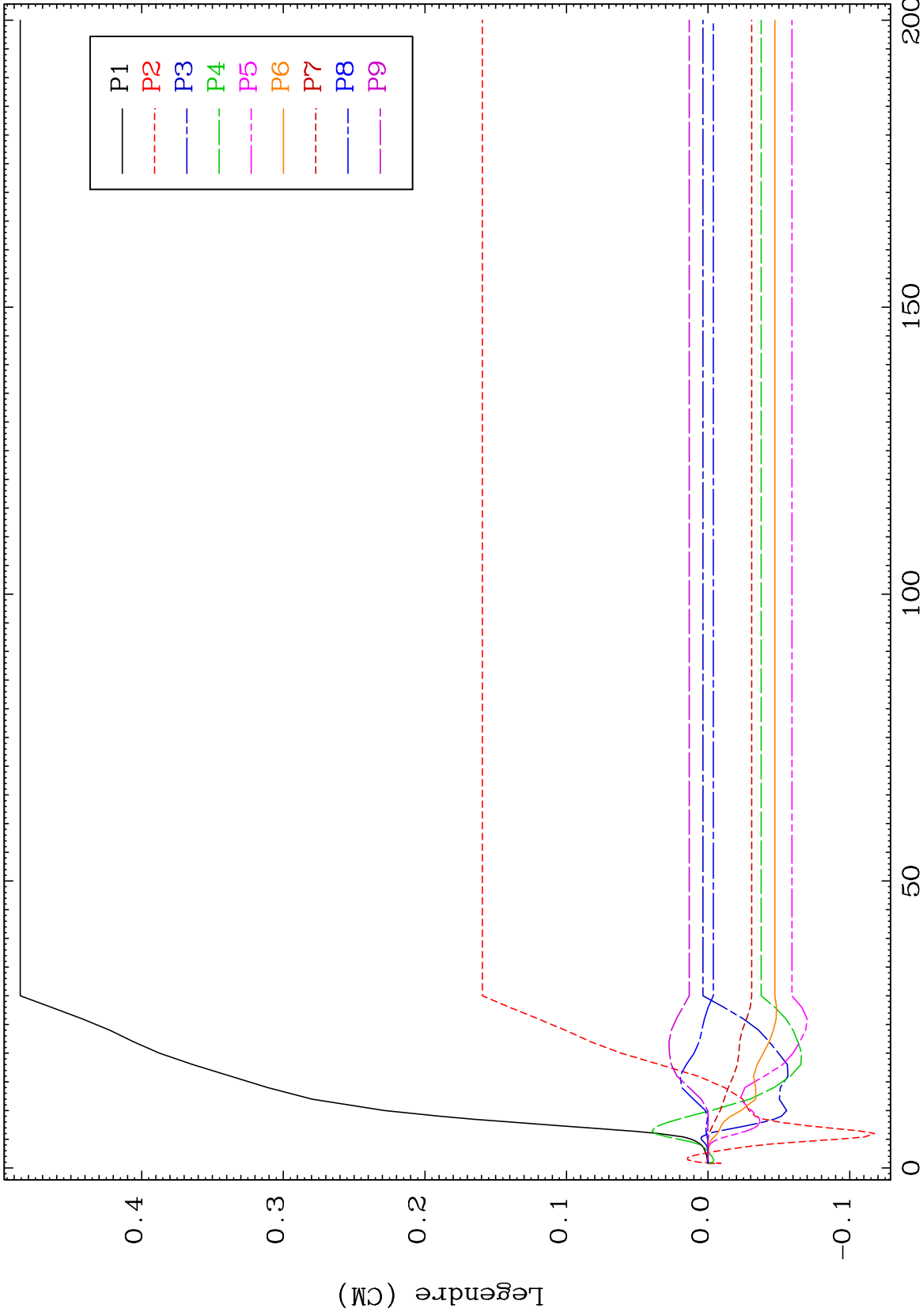
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



22

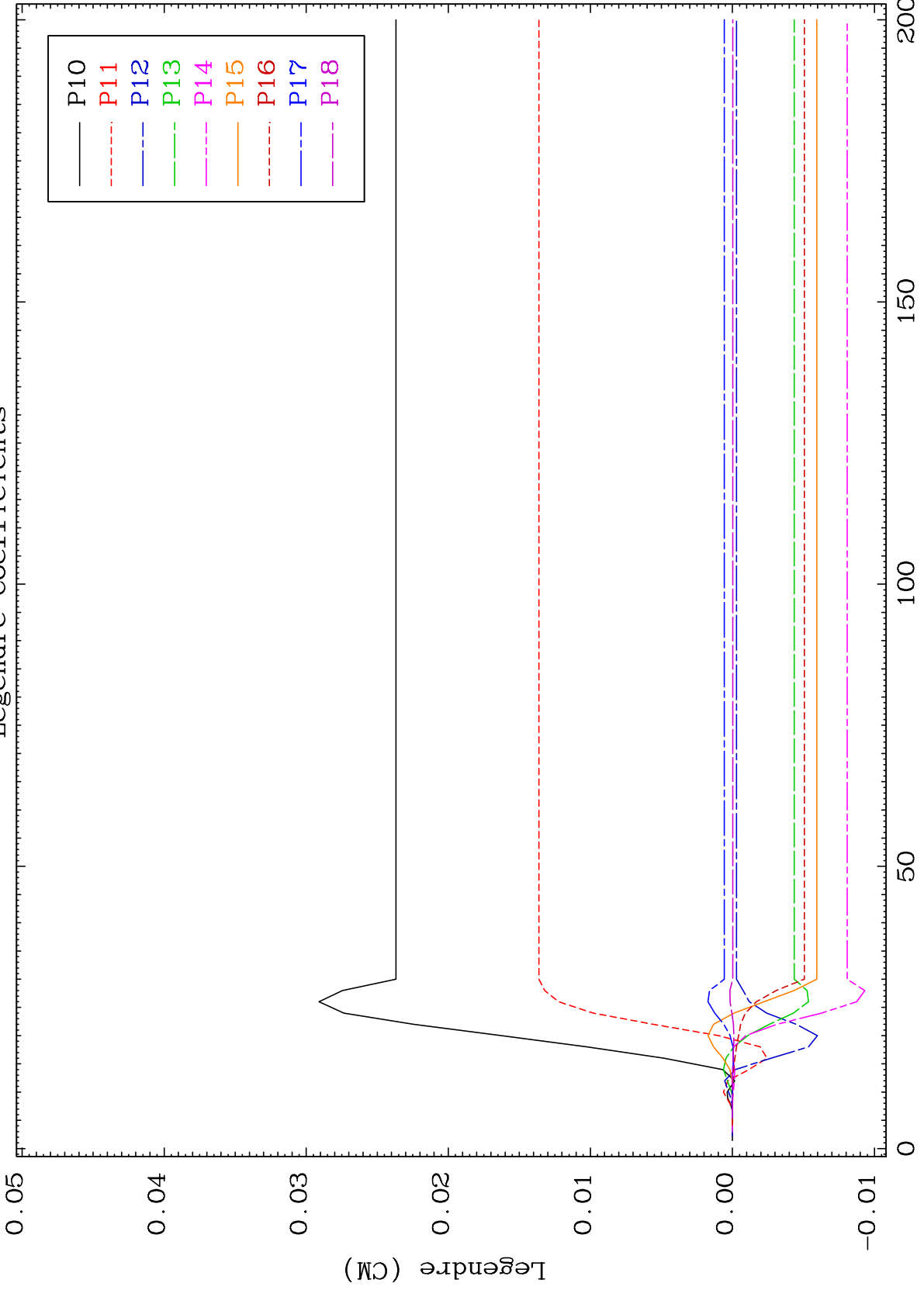
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



23

Incident Energy (MeV)

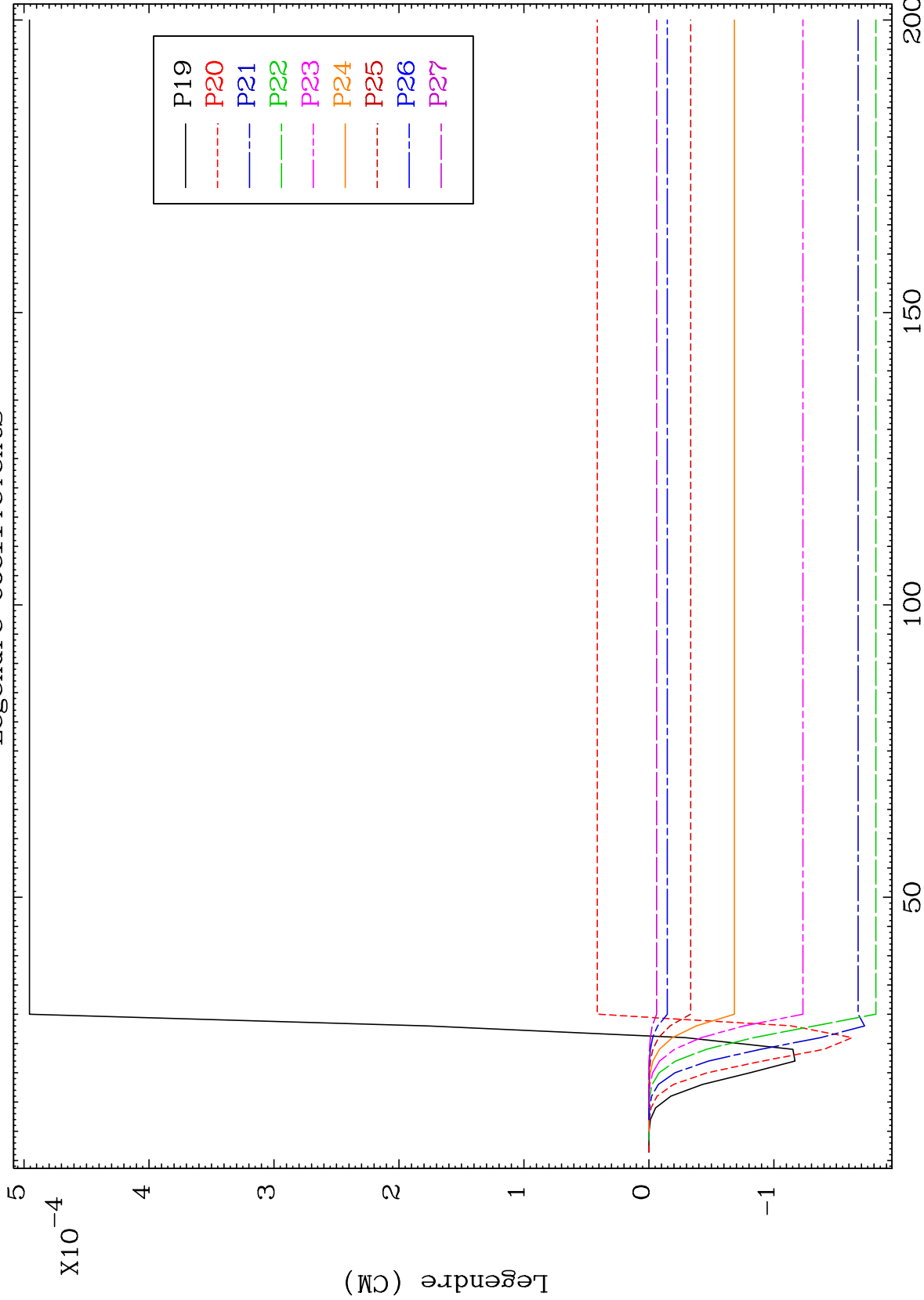
66-Dy-147



MAT 6598

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

66-Dy-147



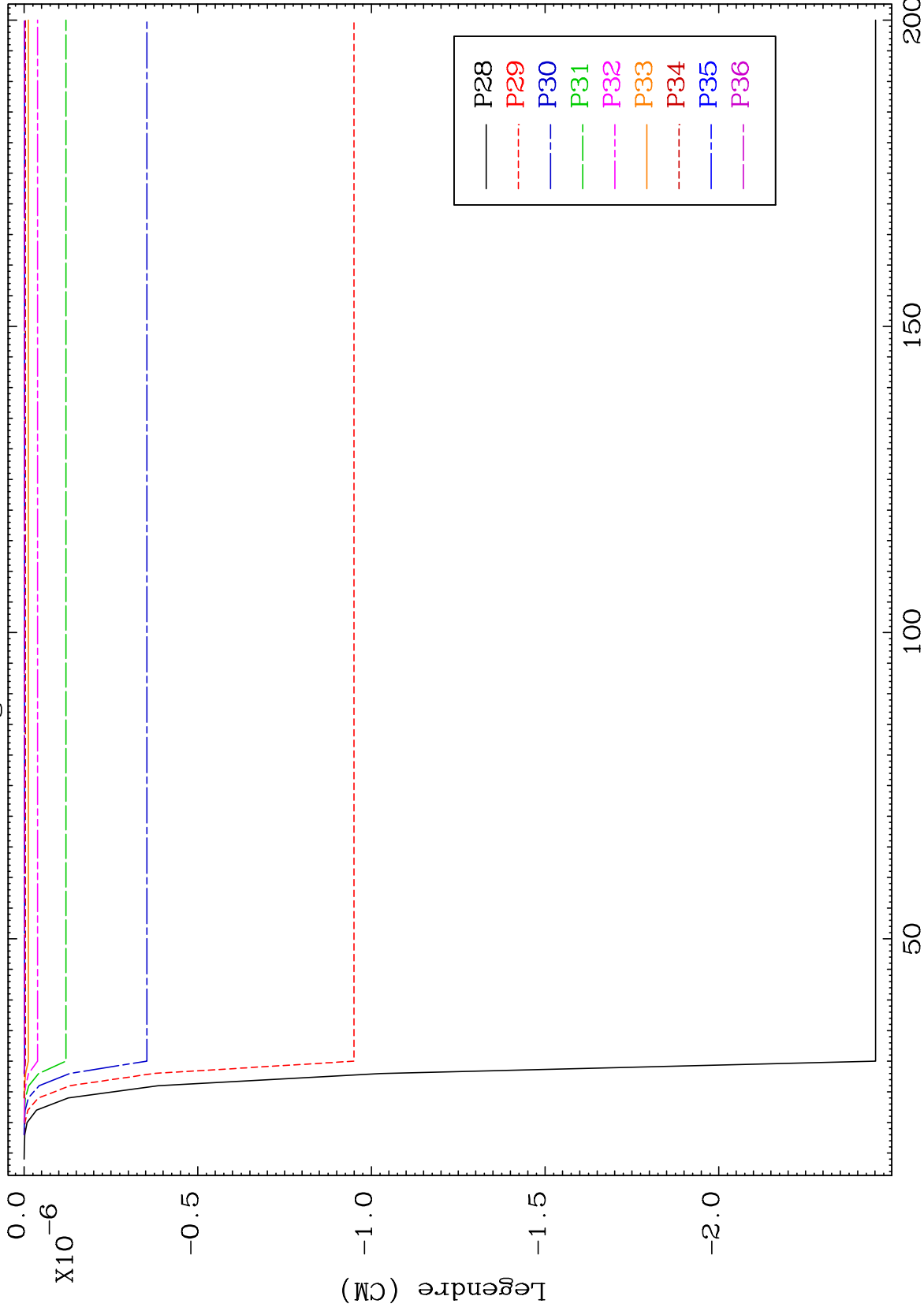
24

66-Dy-147

MAT 6598

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

66-Dy-147



25

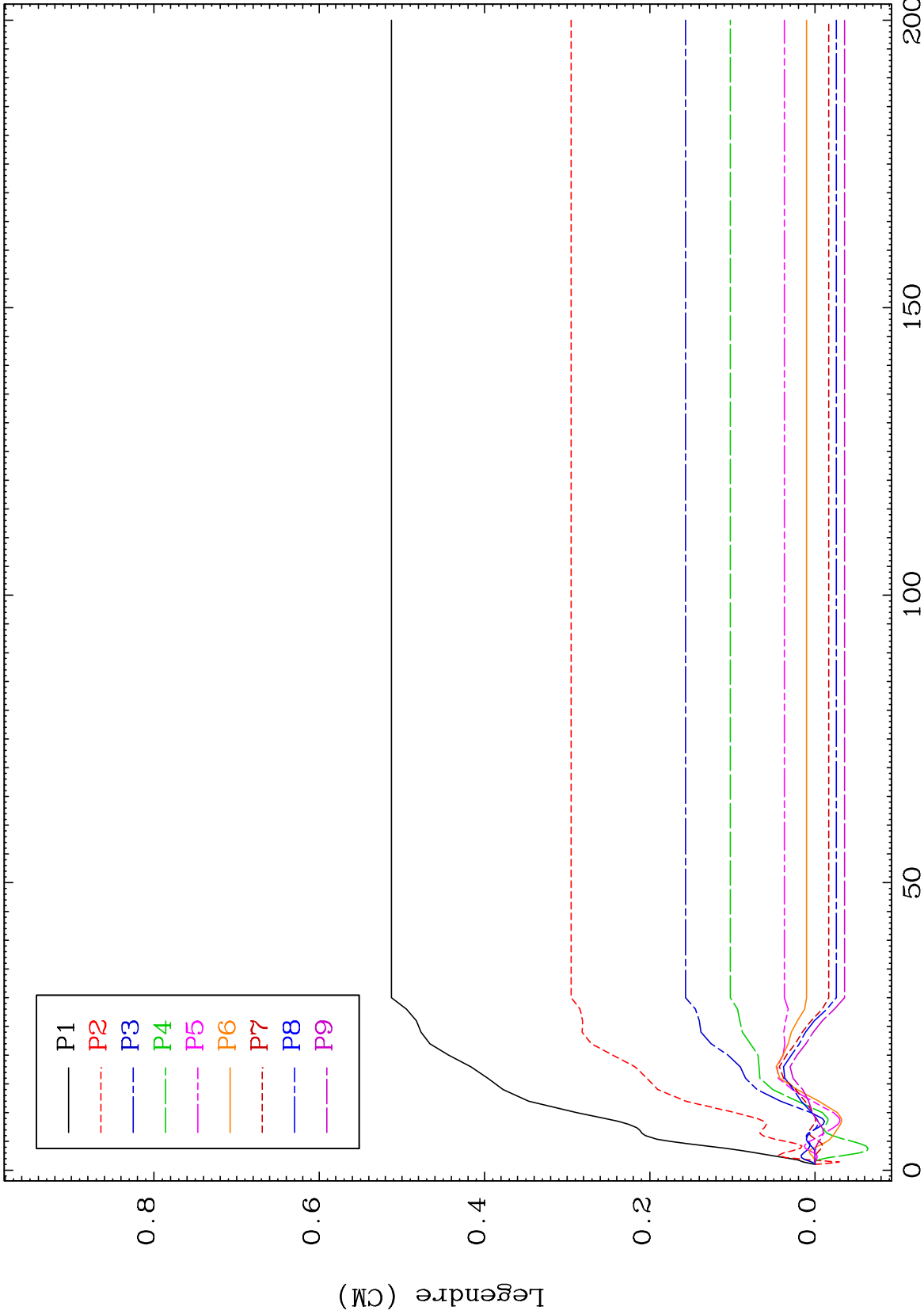
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



26

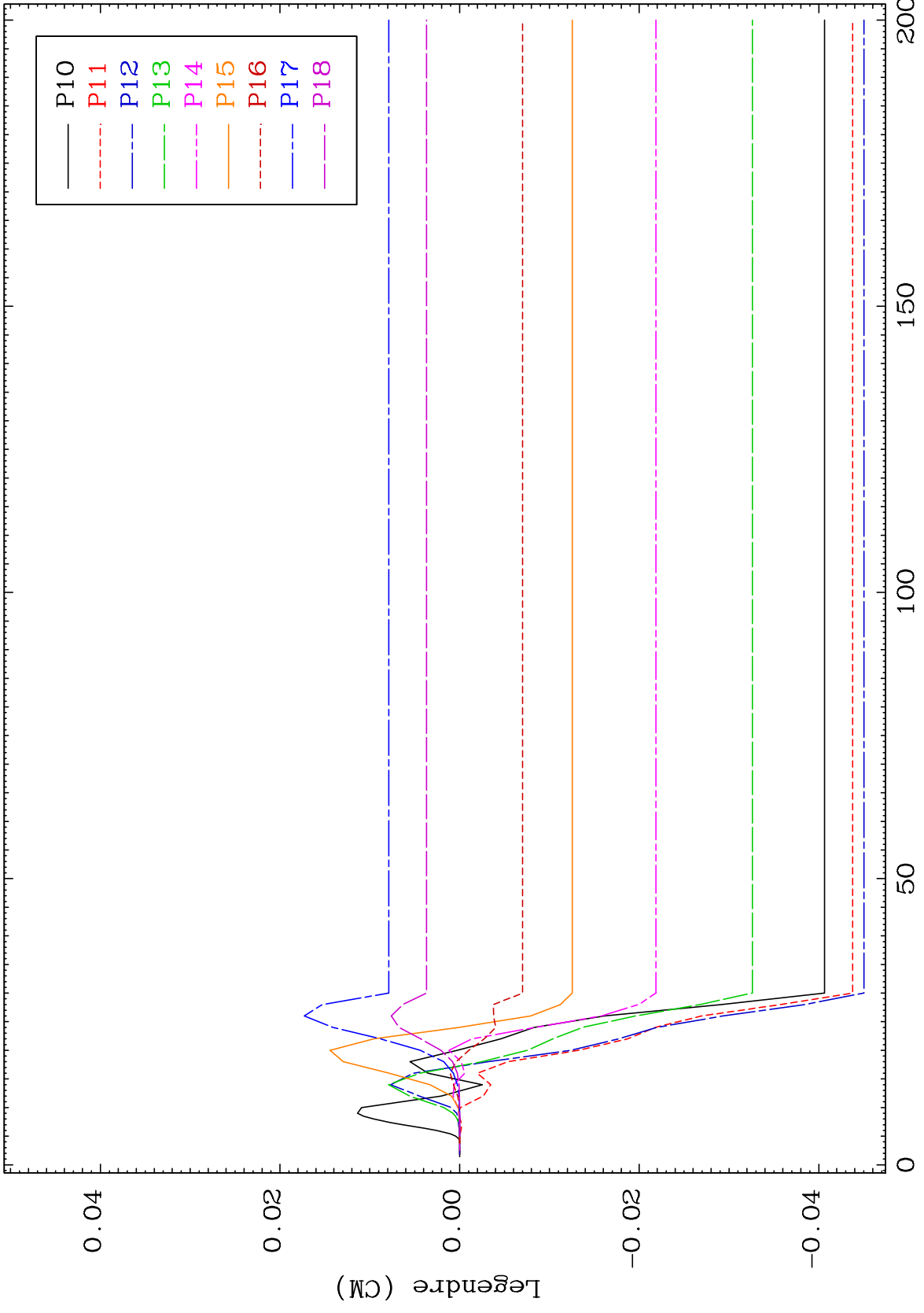
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



27

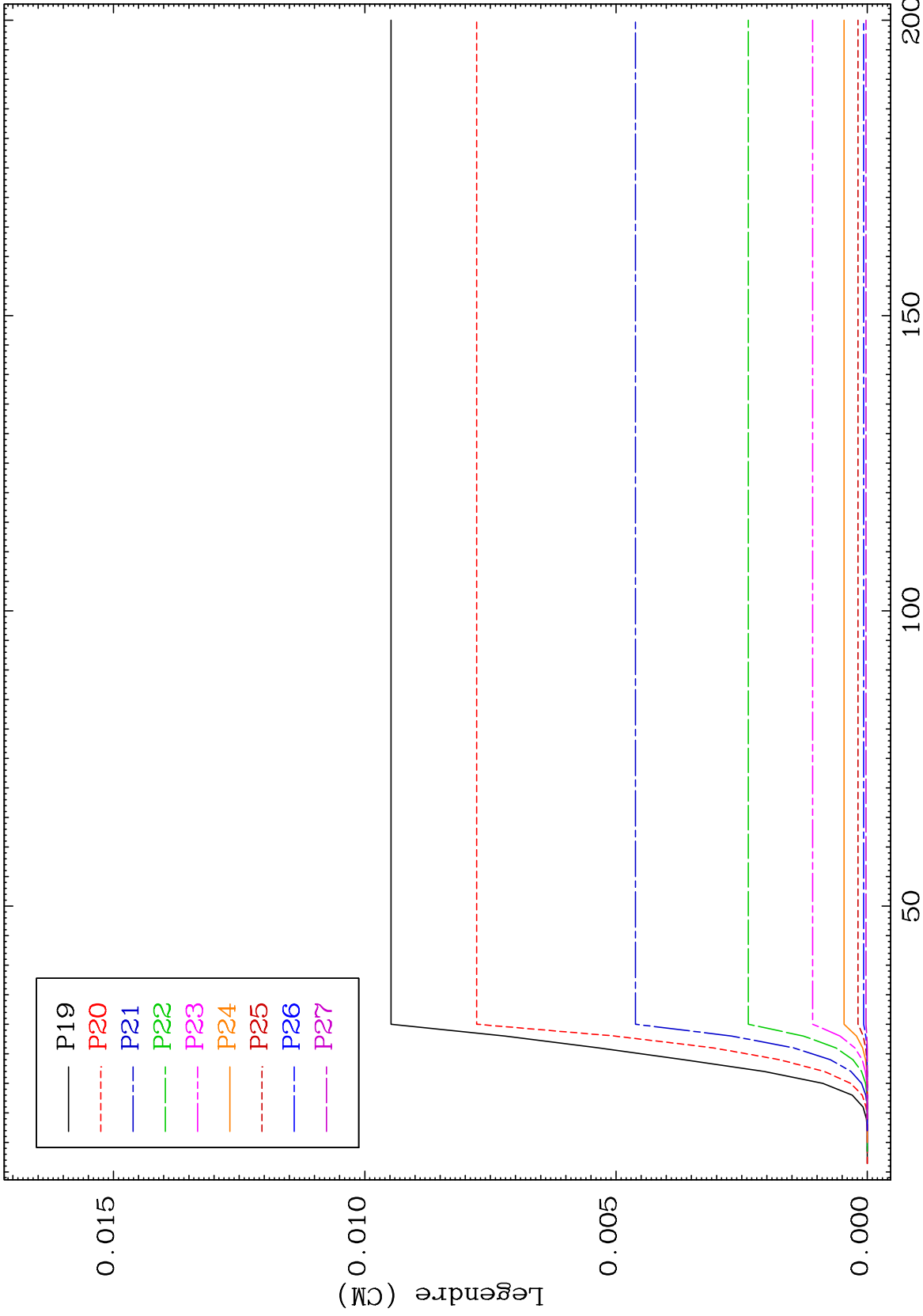
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



28

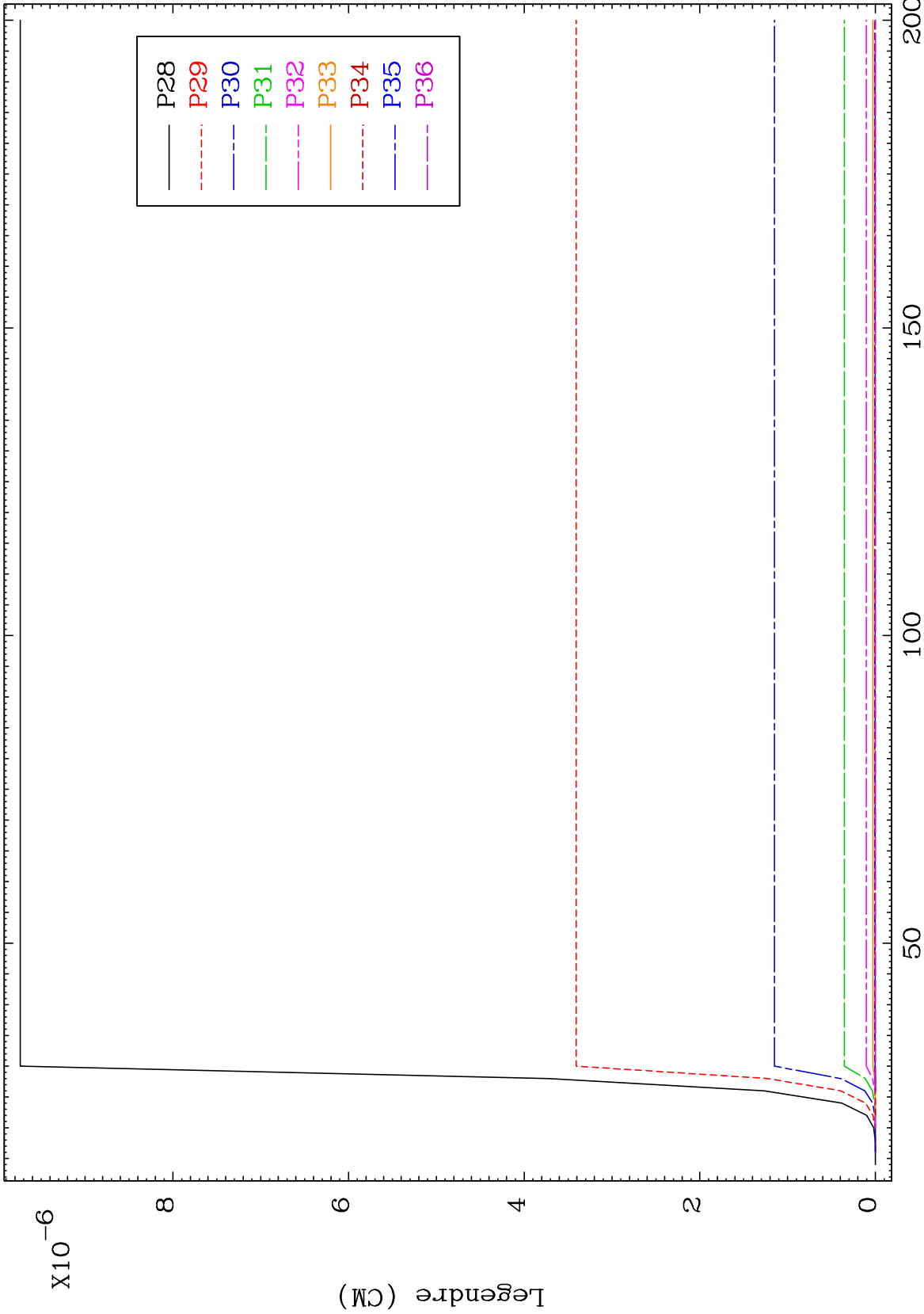
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



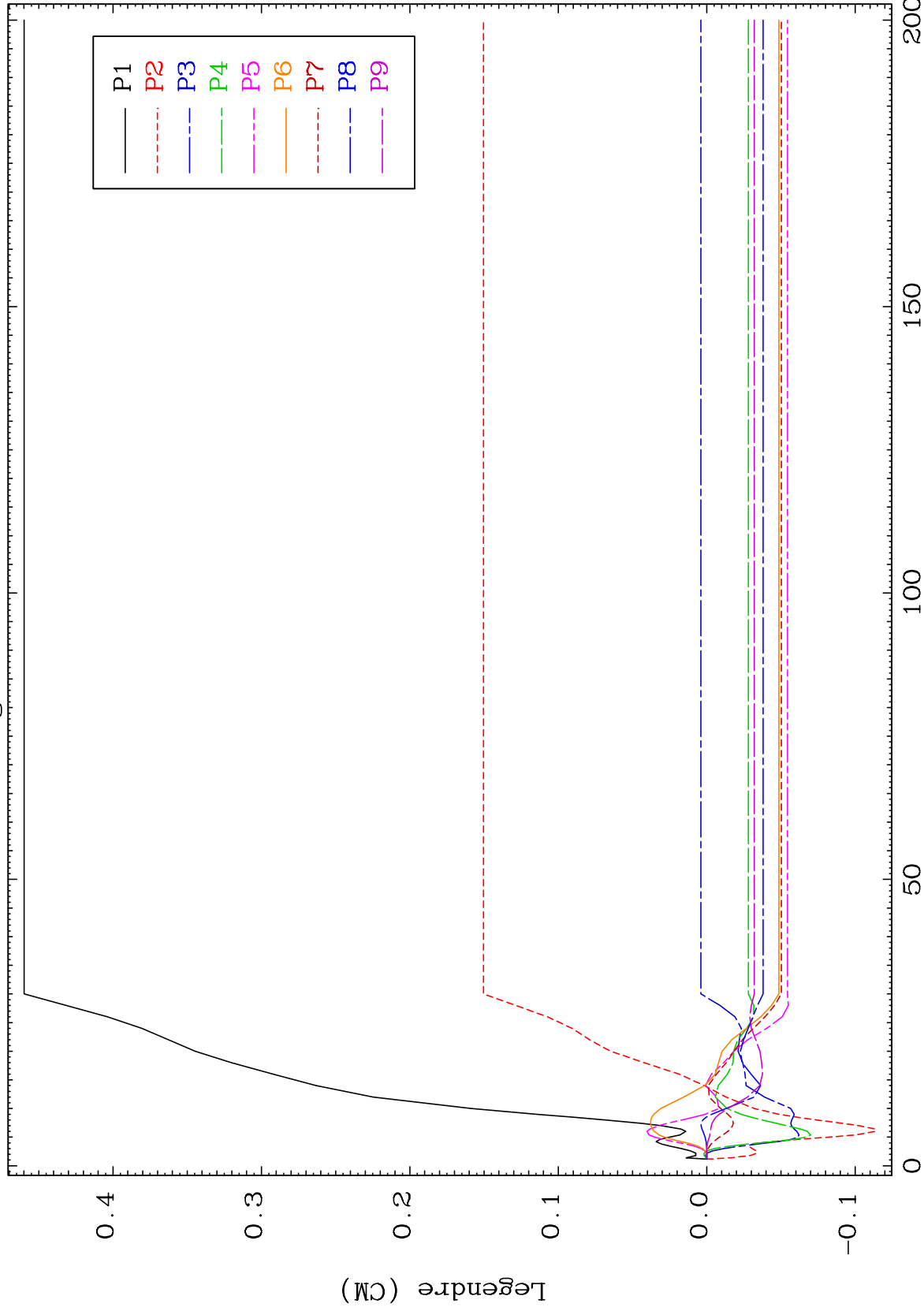
29

66-Dy-147

MAT 6598

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

66-Dy-147



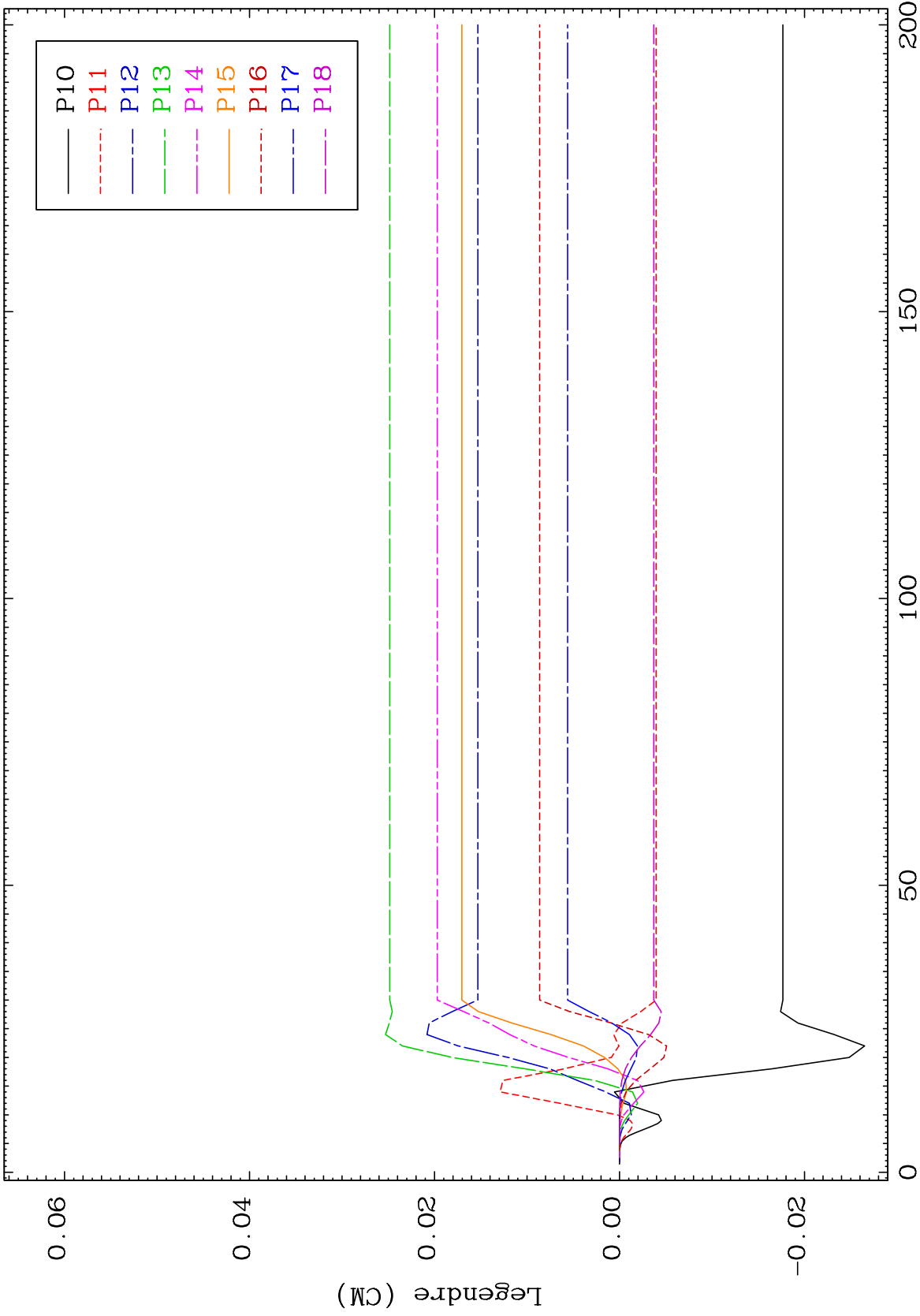
66-Dy-147

Incident Energy (MeV)

MAT 6598

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

66-Dy-147



31

Incident Energy (MeV)

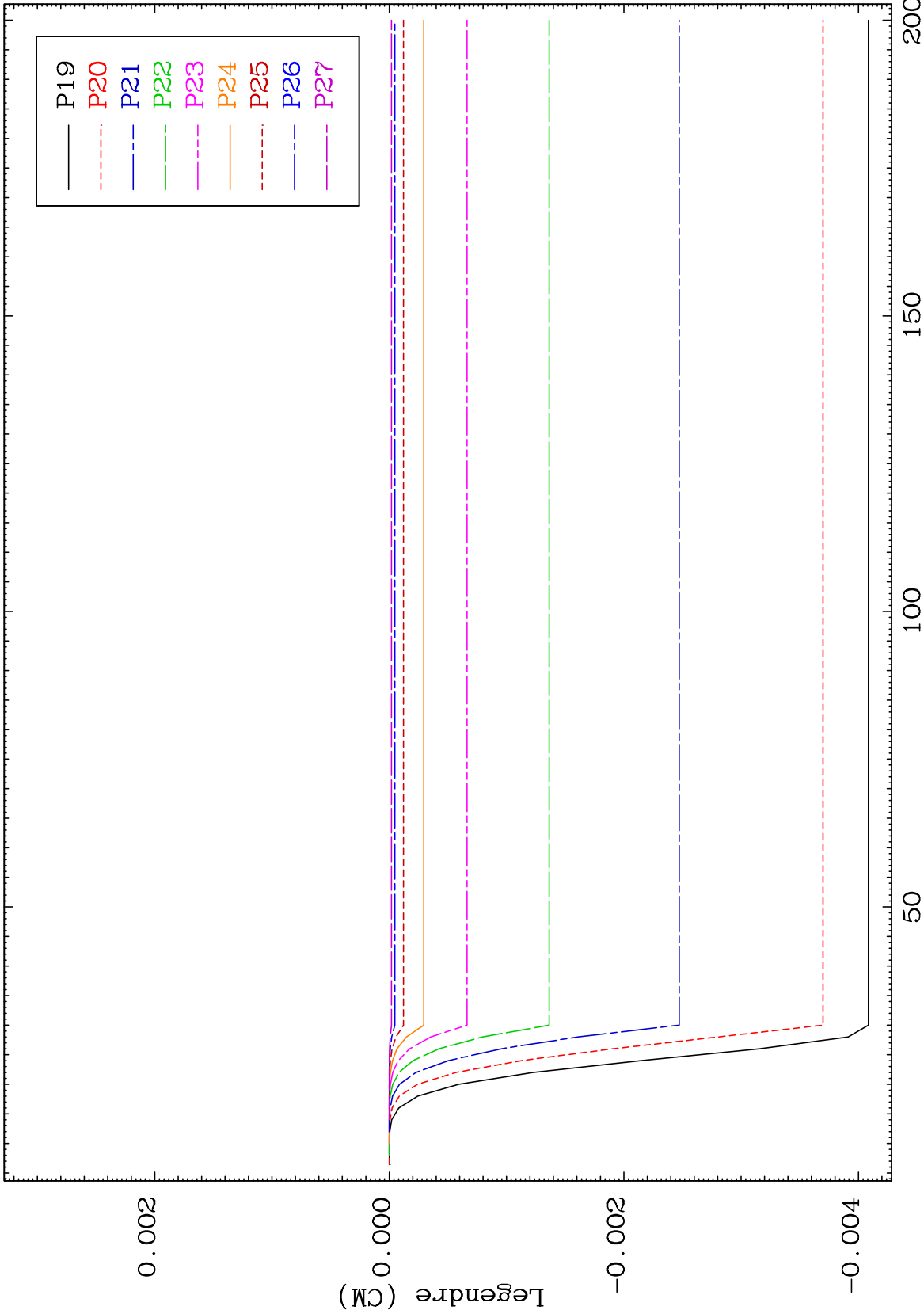
66-Dy-147



MAT 6598

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

66-Dy-147



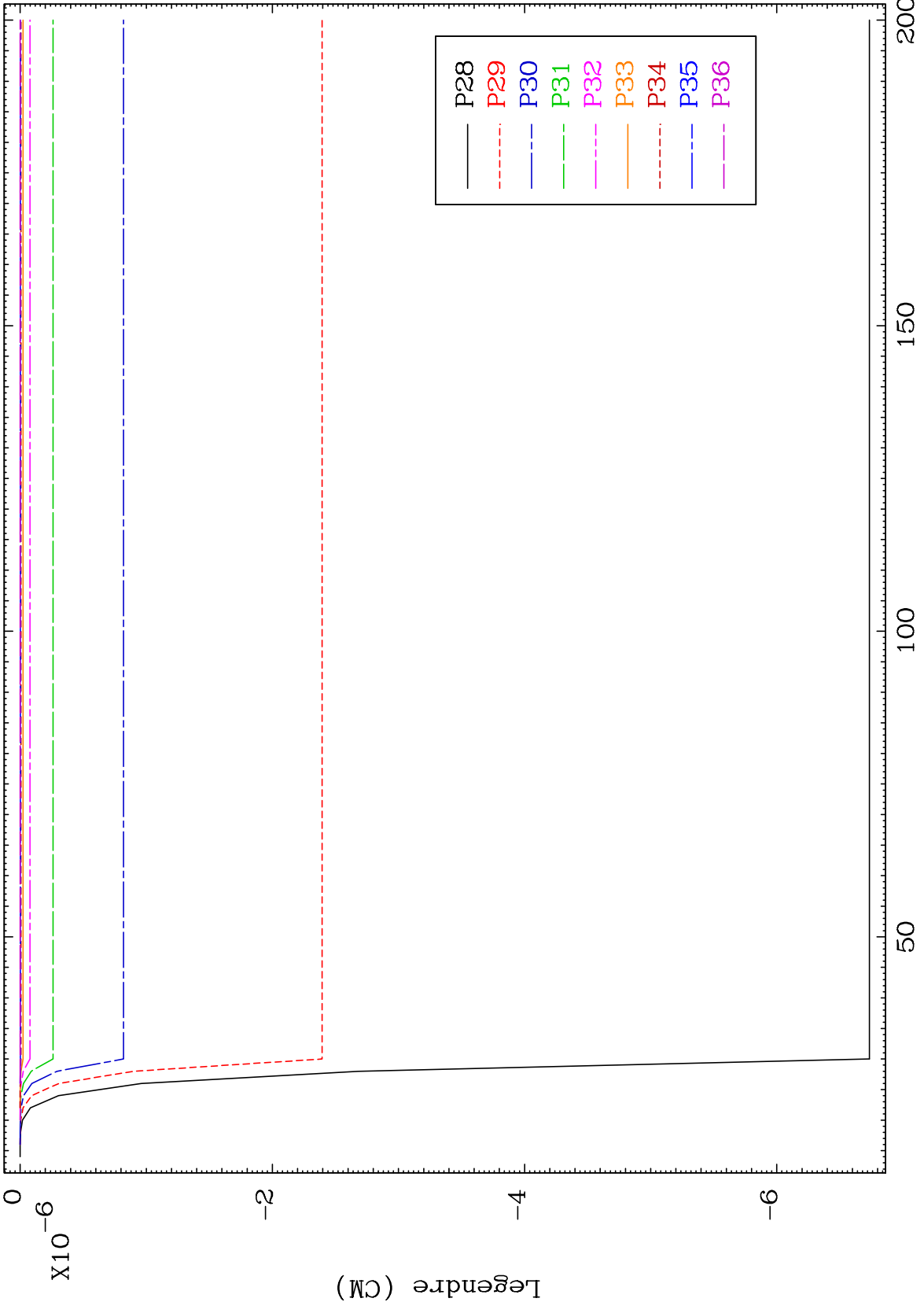
32

Incident Energy (MeV)

66-Dy-147

MAT 6598 MT= 54 (n,n') Level 66-Dy-147

Legendre Coefficients

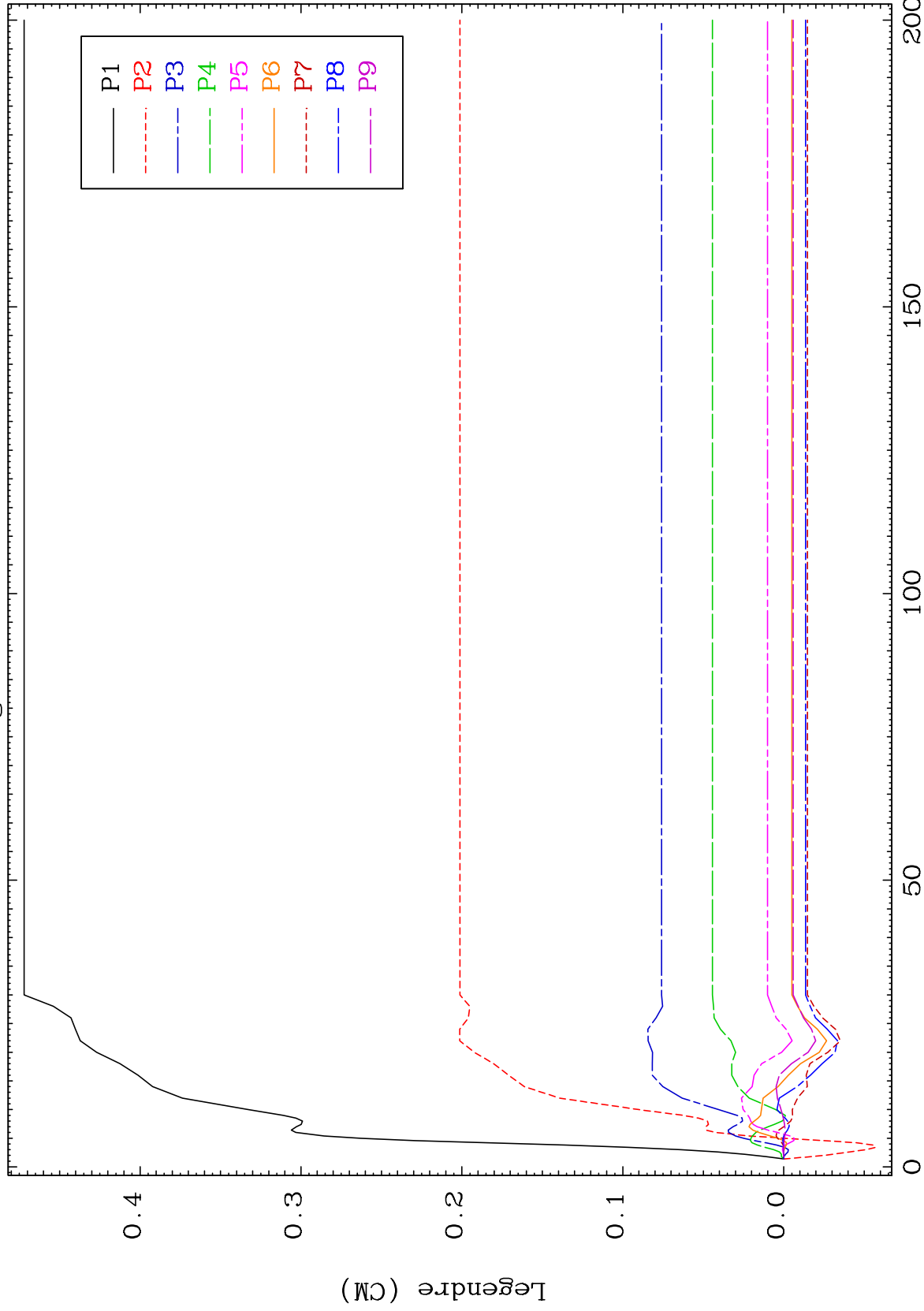


33 66-Dy-147

MAT 6598

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

66-Dy-147



34

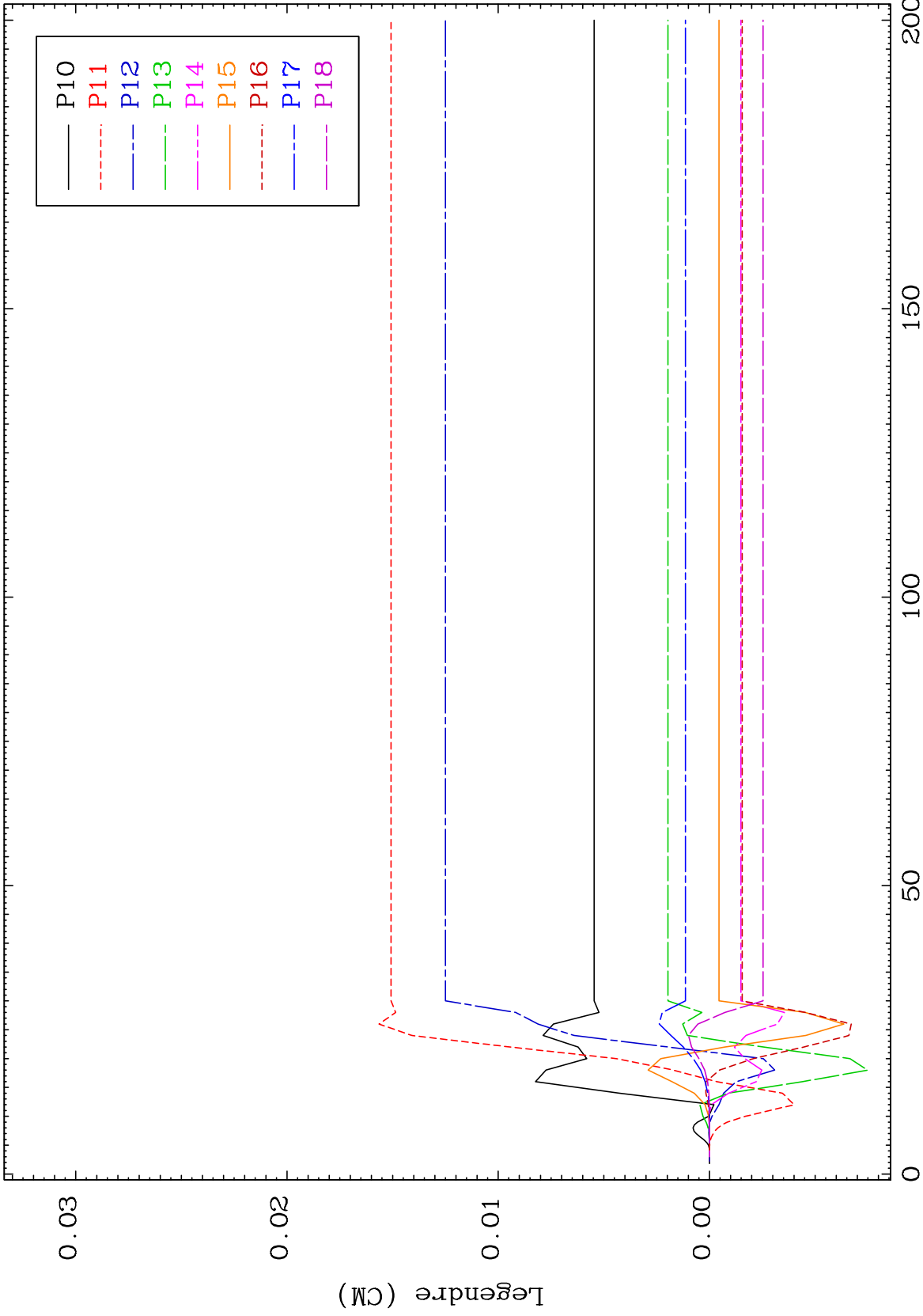
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



35

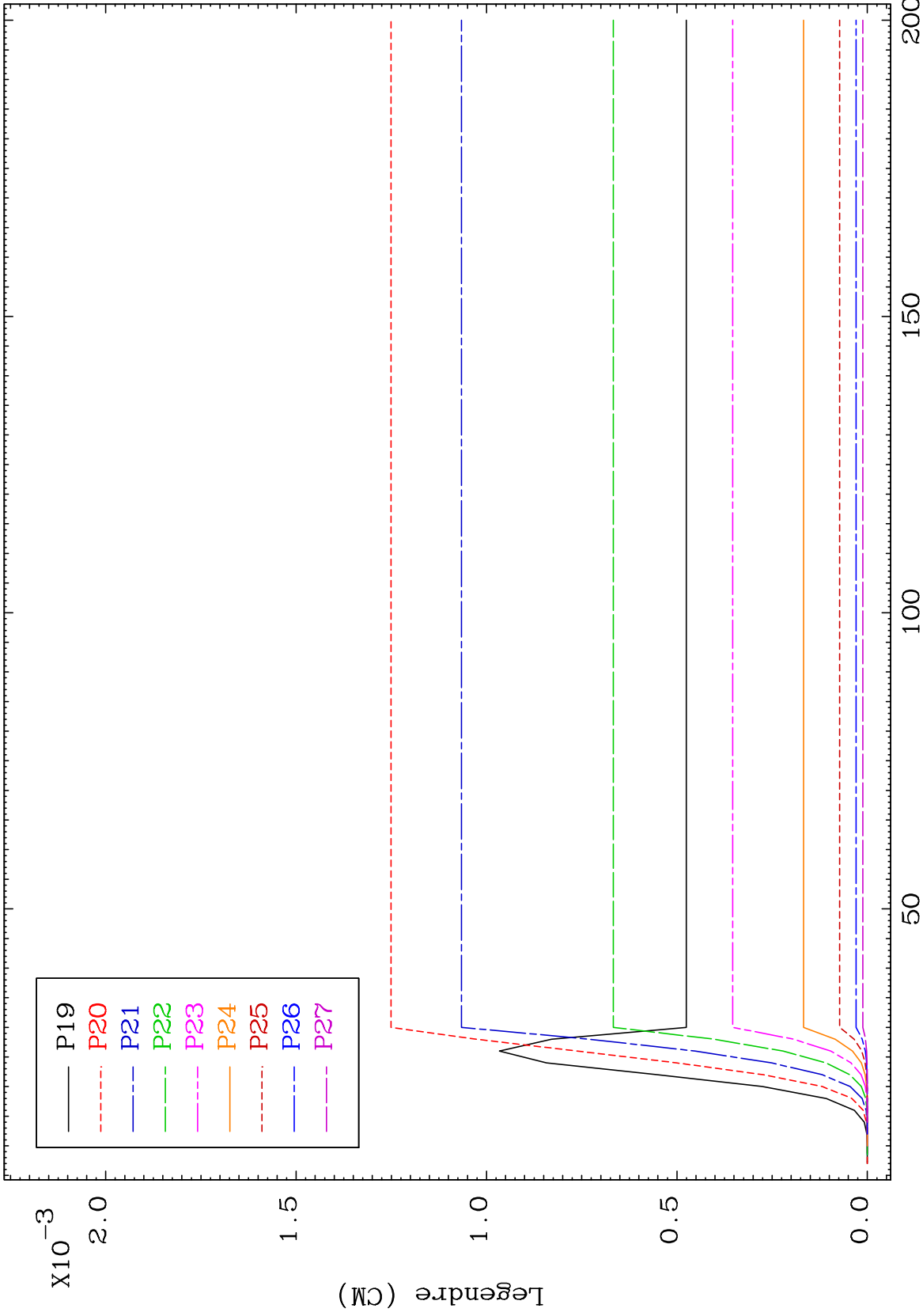
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



36

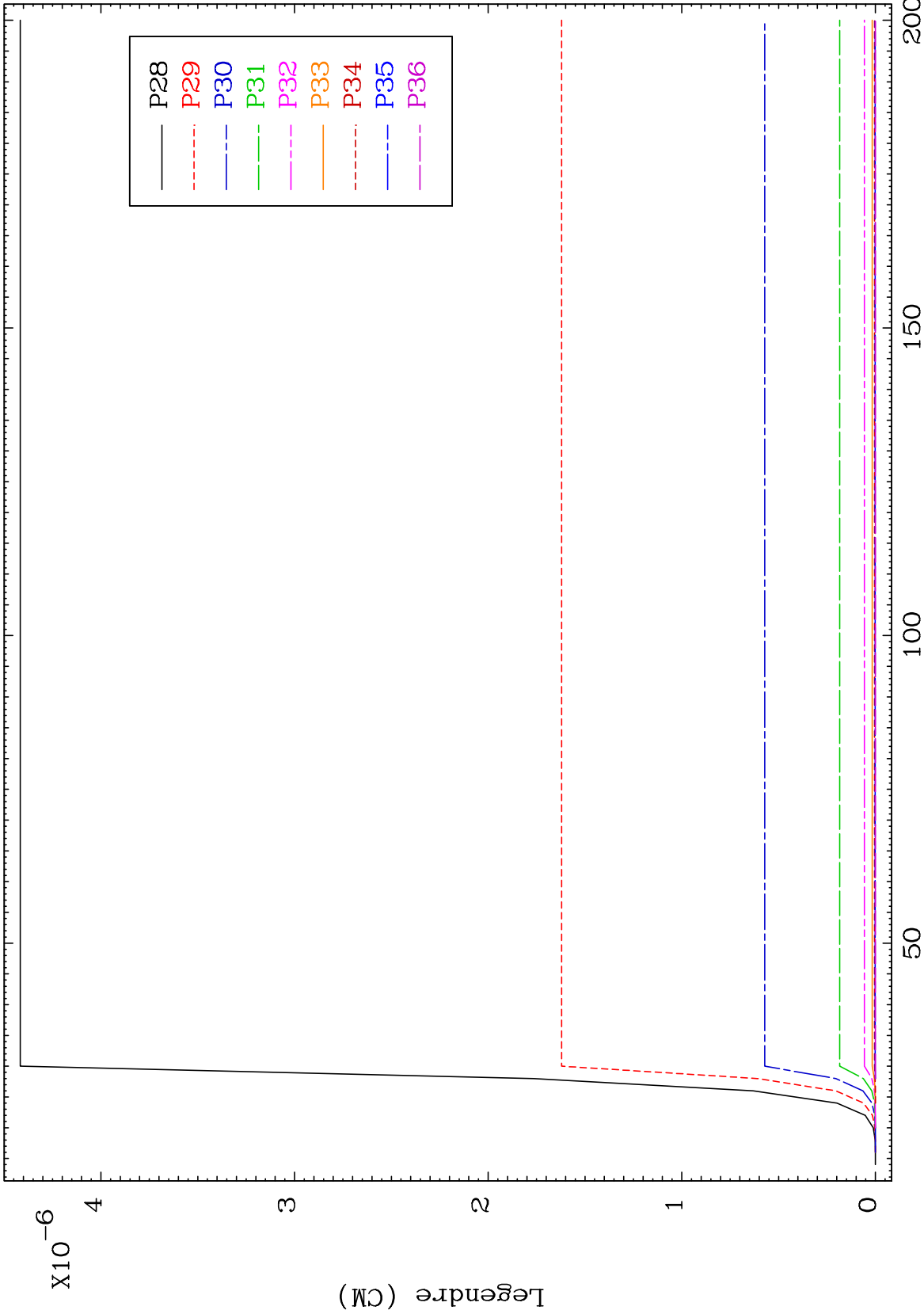
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



37

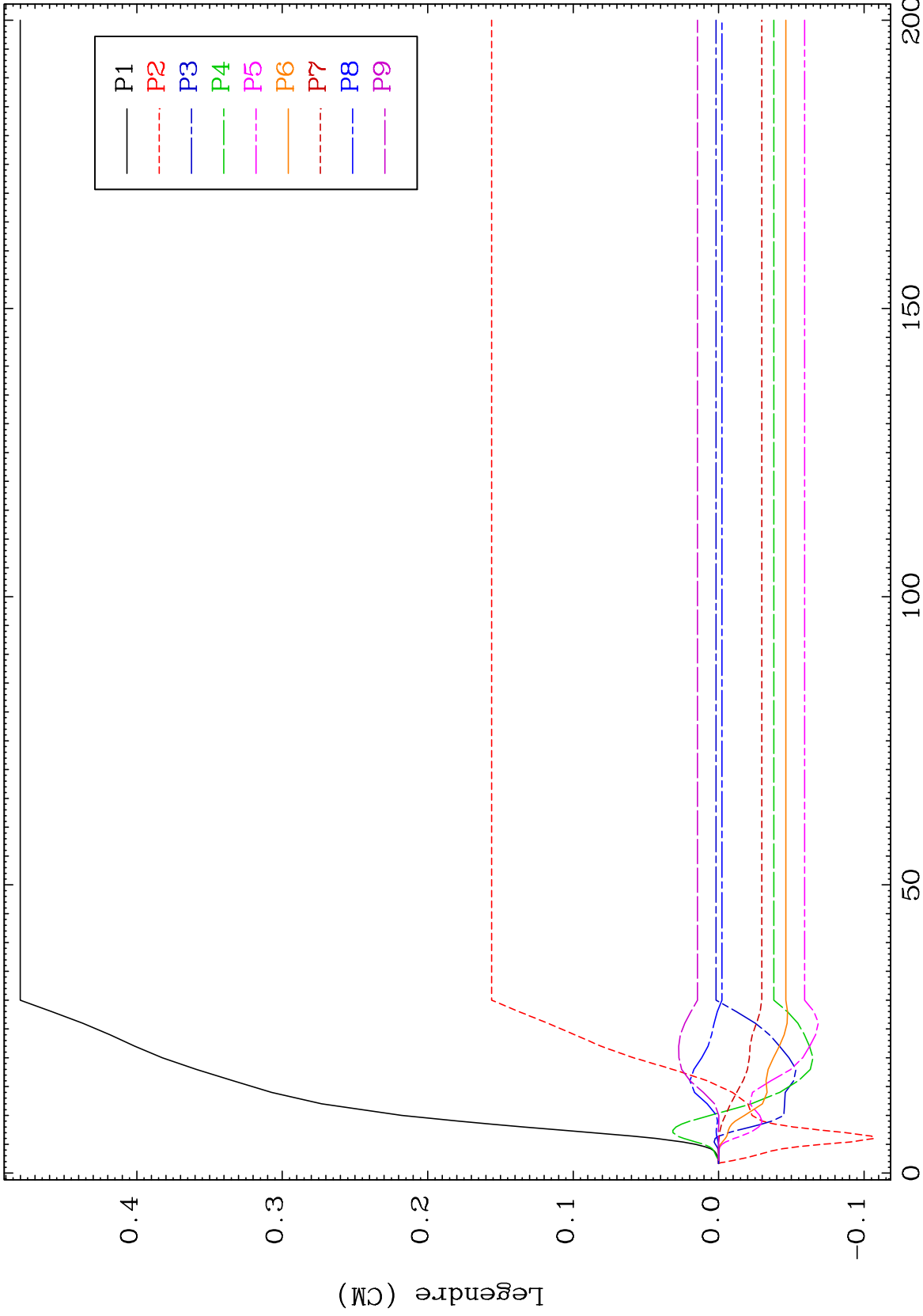
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



38

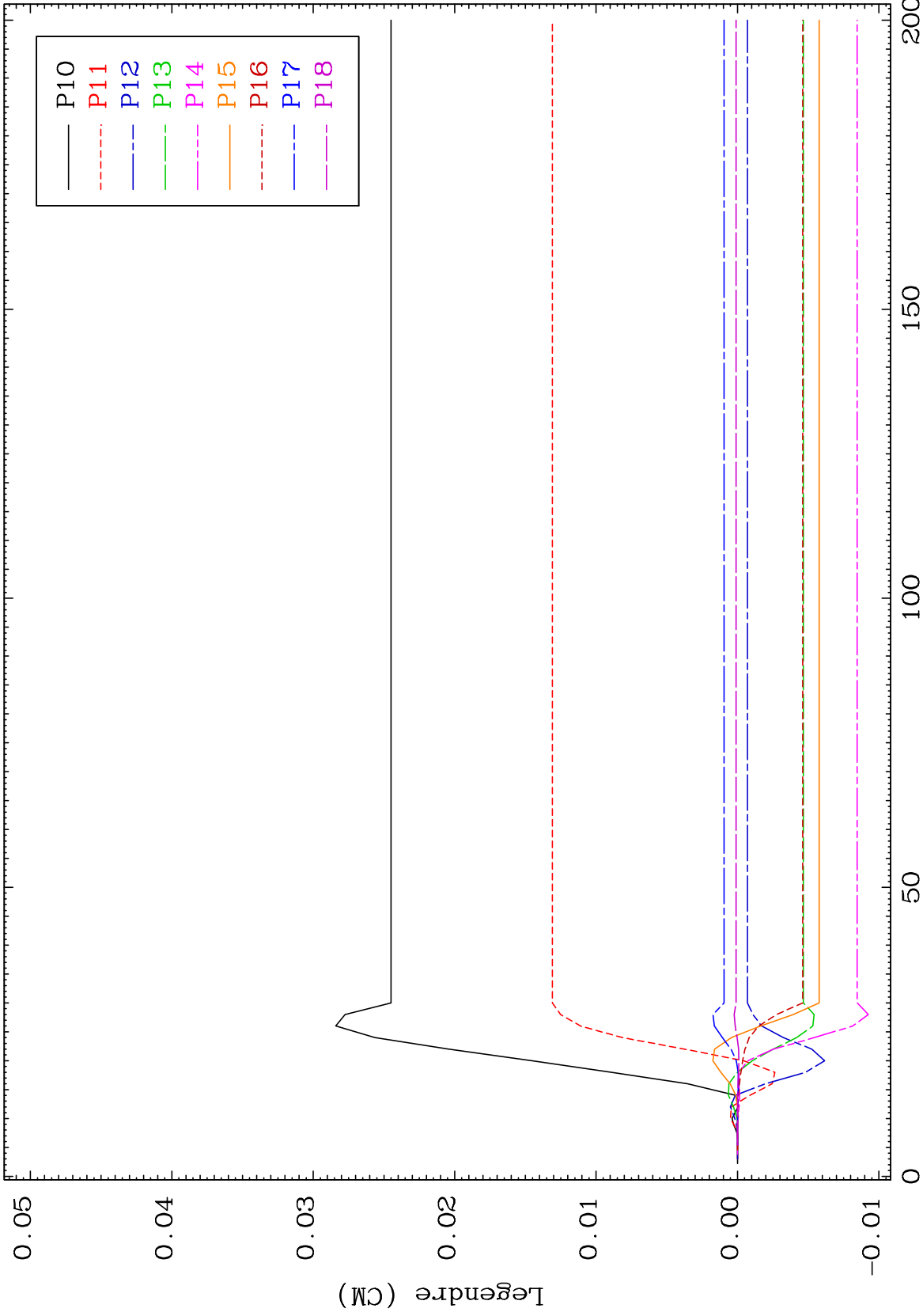
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



39

Incident Energy (MeV)

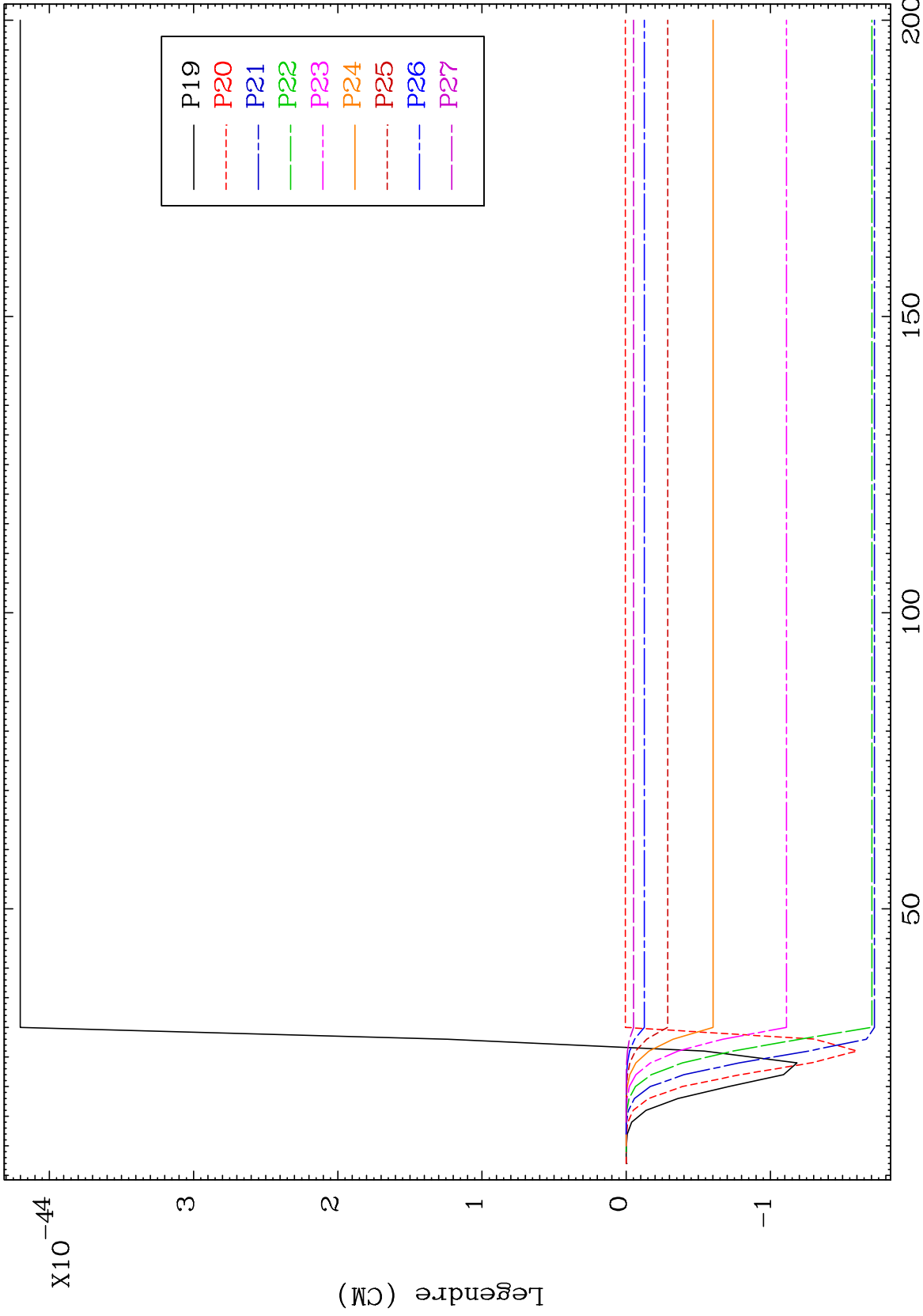
66-Dy-147



MAT 6598

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

66-Dy-147

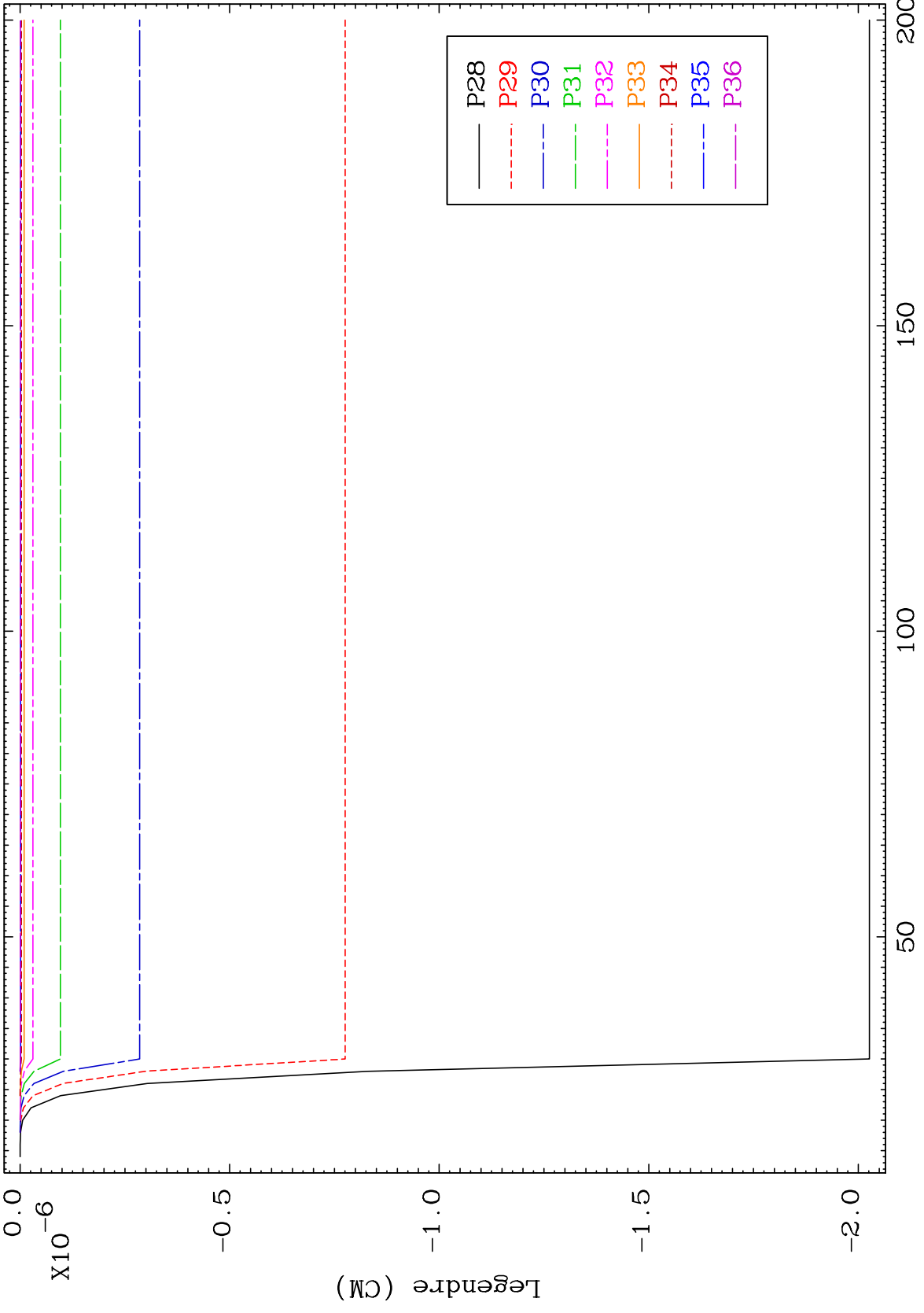


40

Incident Energy (MeV)

66-Dy-147

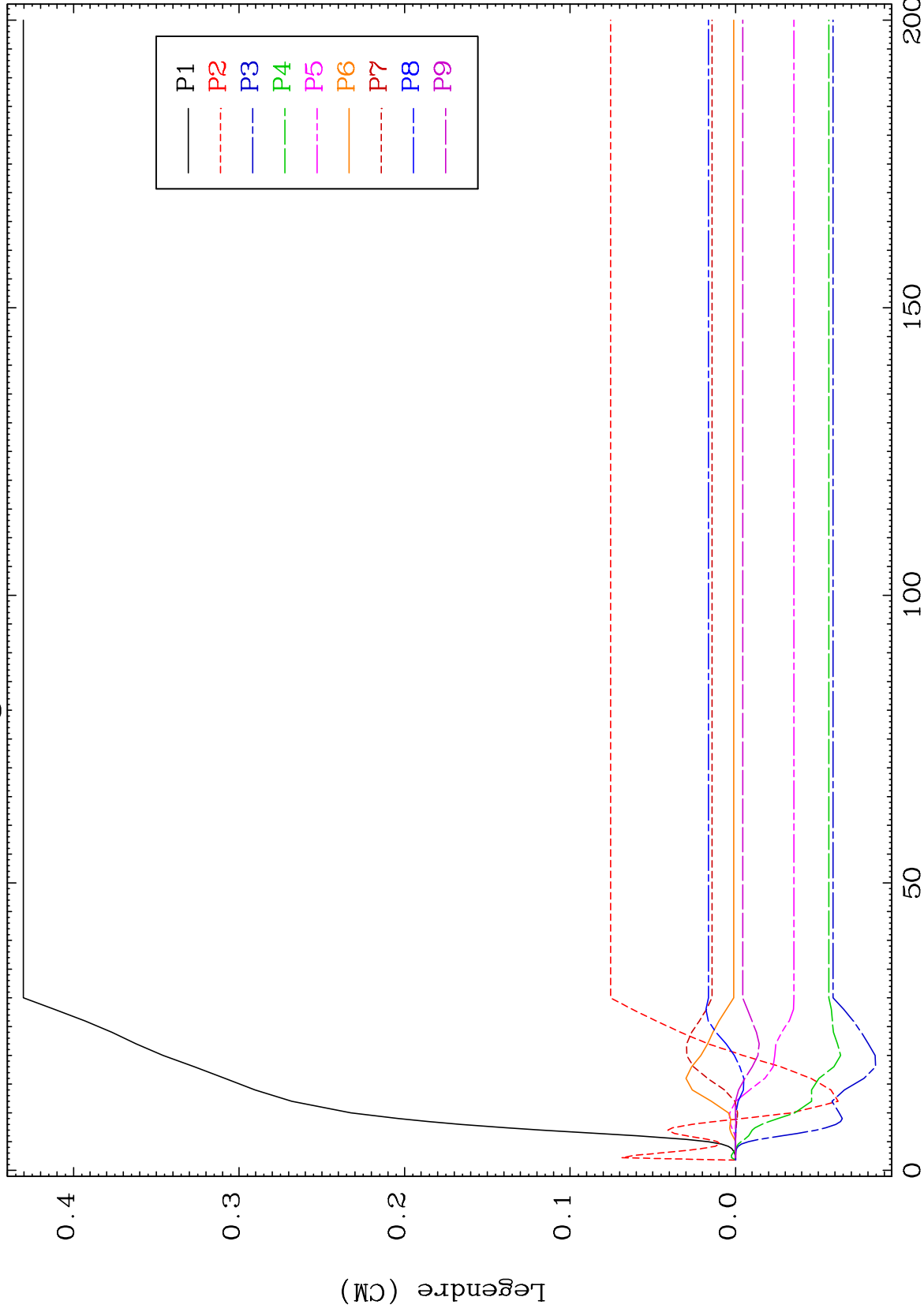
Legendre Coefficients



MAT 6598

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

66-Dy-147



42

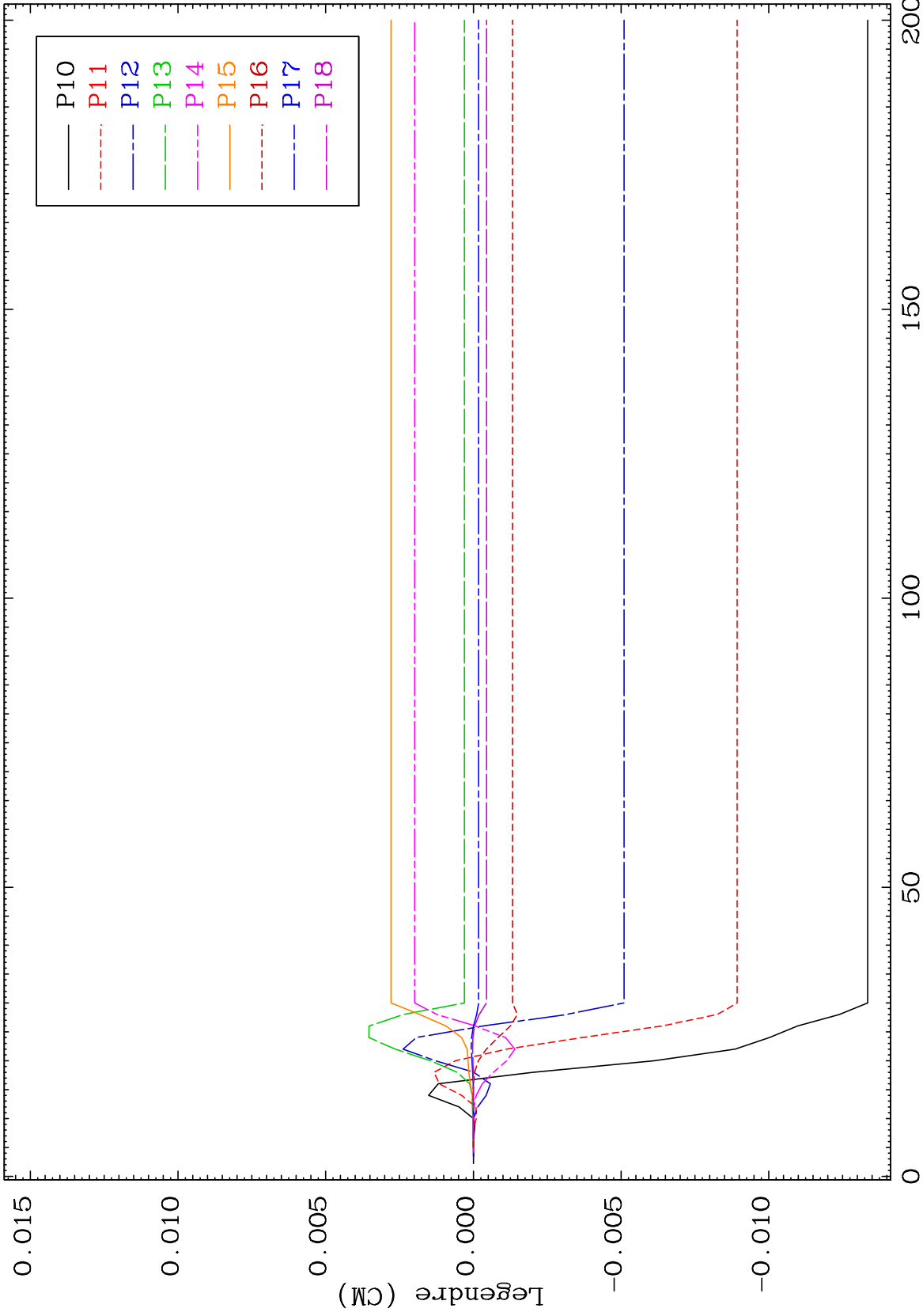
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



43

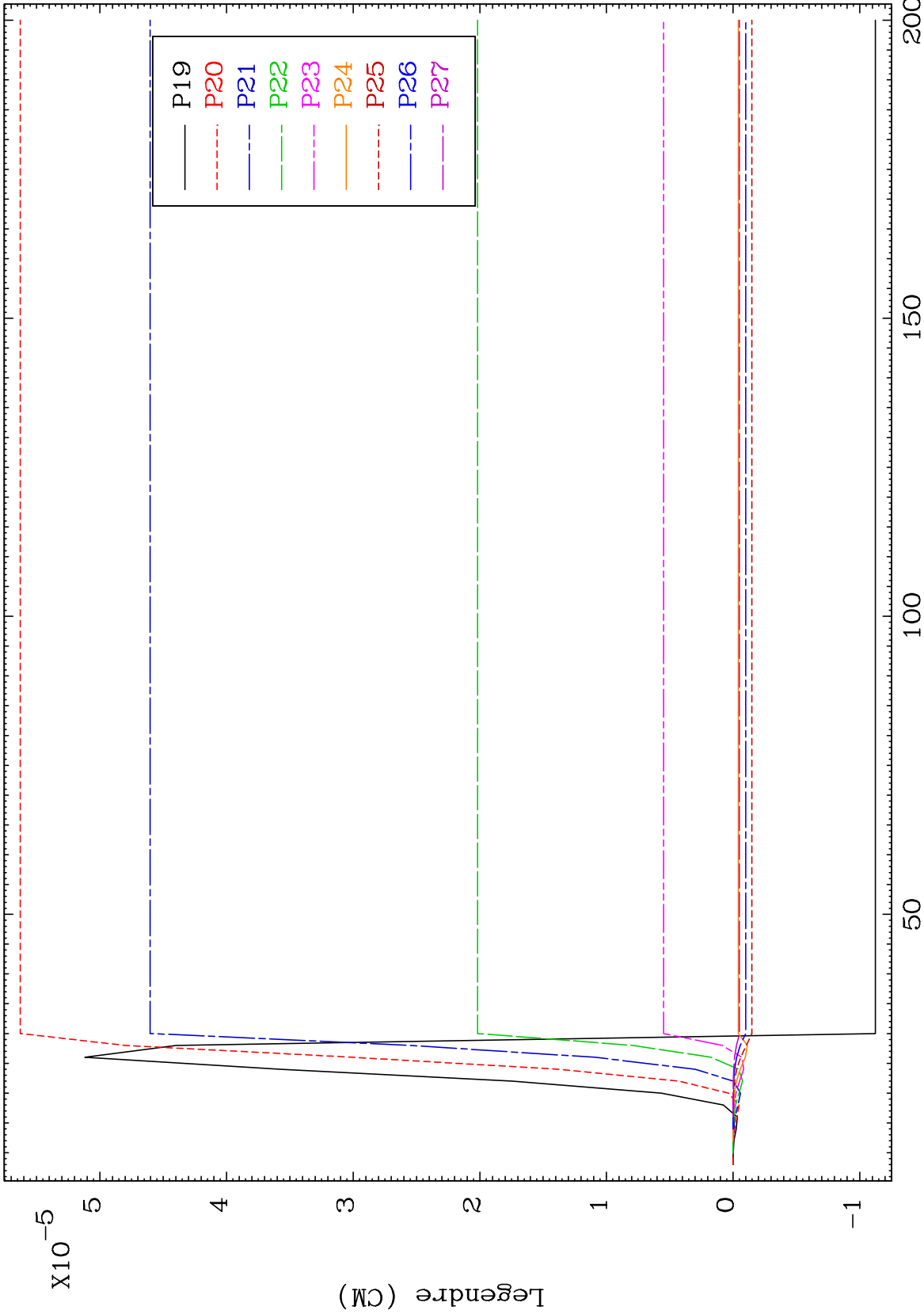
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



44

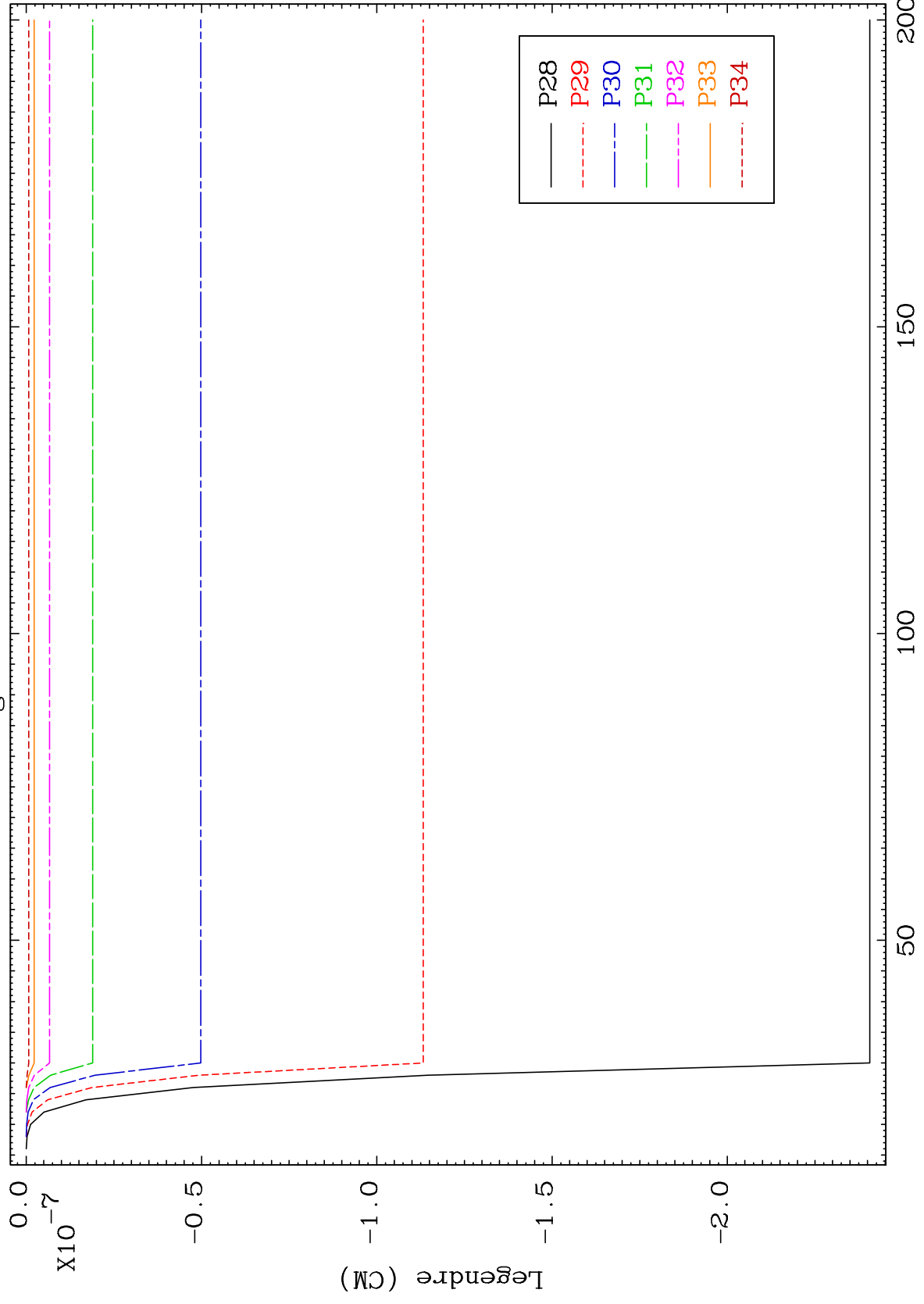
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



66-Dy-147

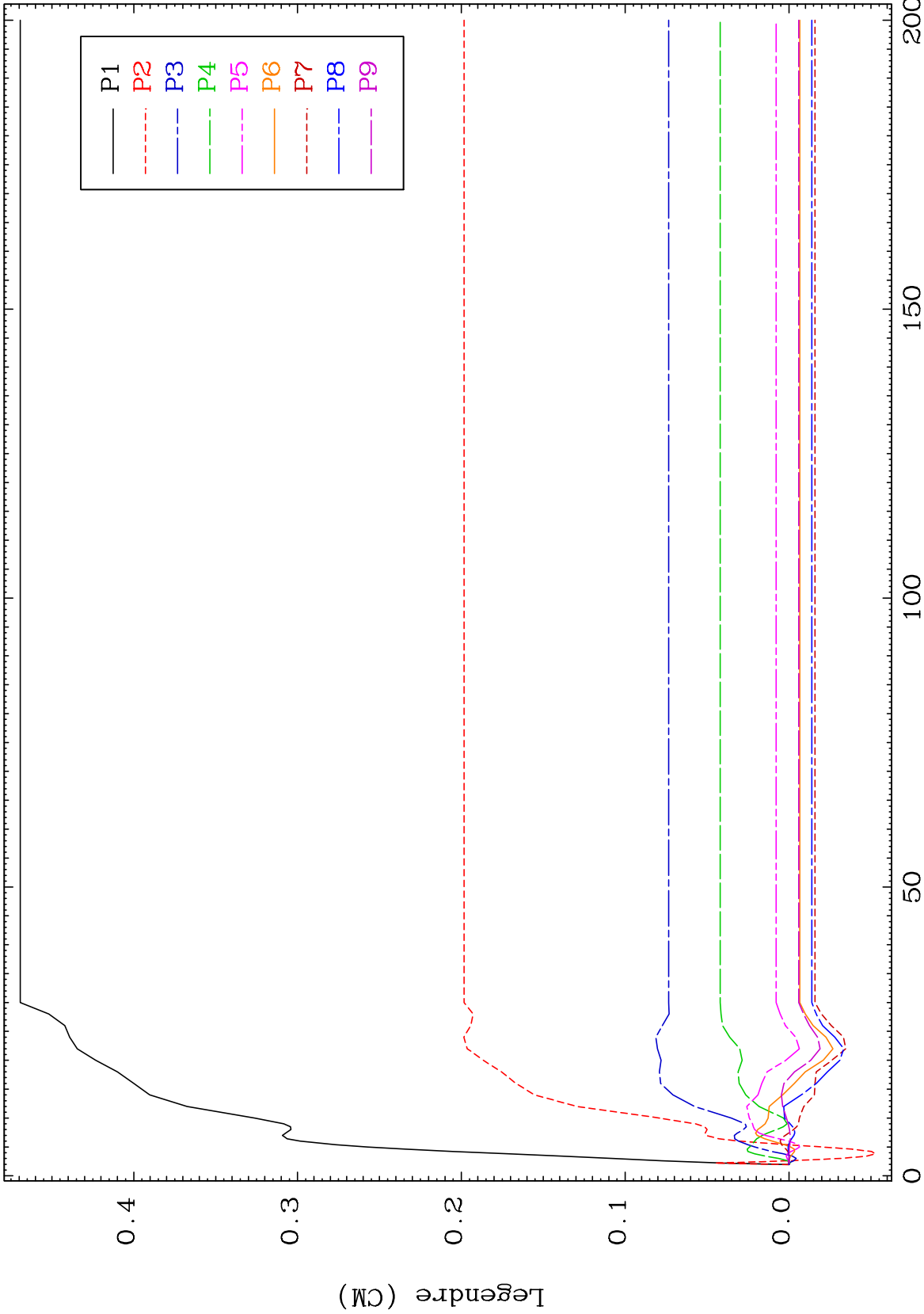
Incident Energy (MeV)

45

MAT 6598

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

66-Dy-147



46

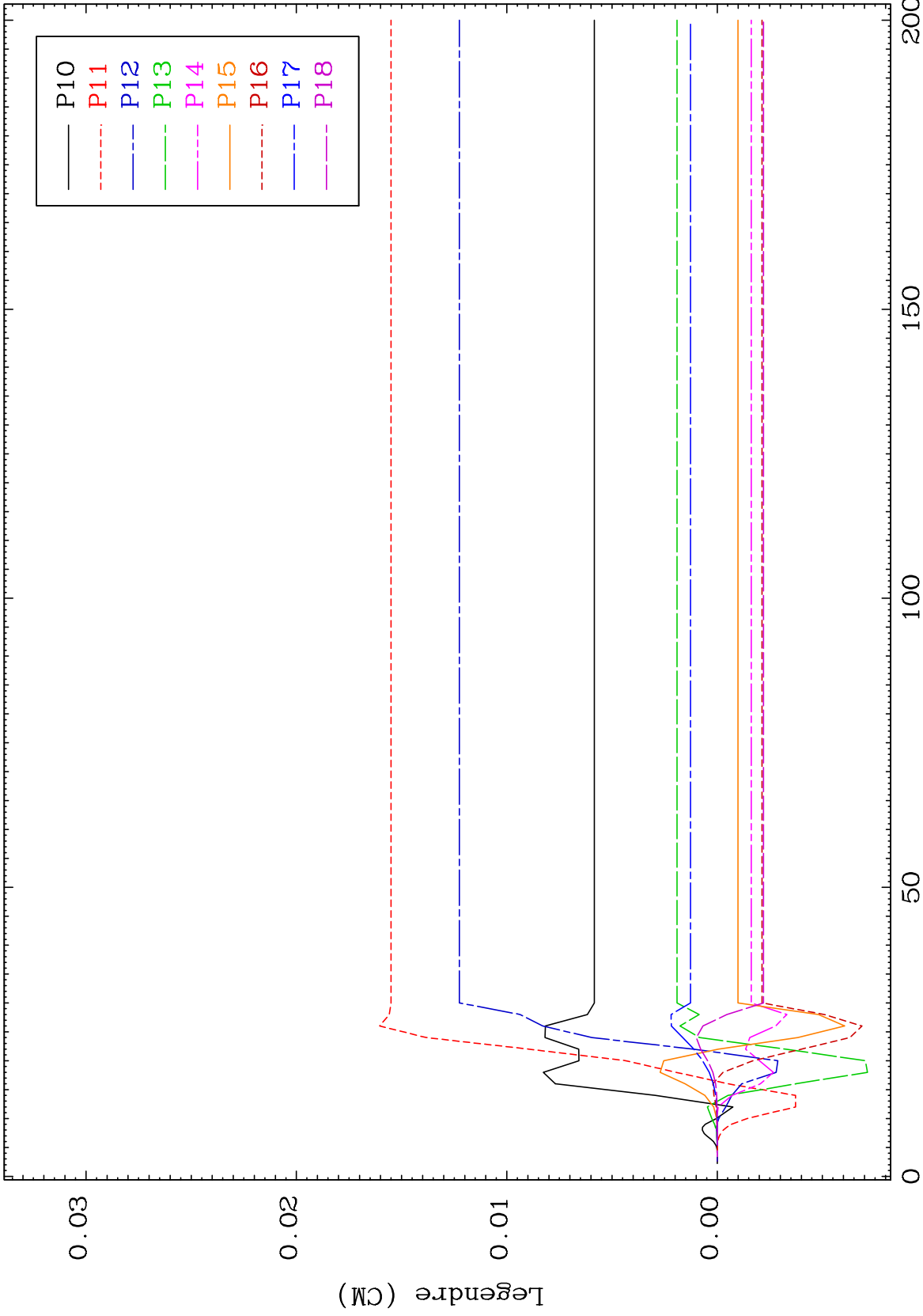
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



47

Incident Energy (MeV)

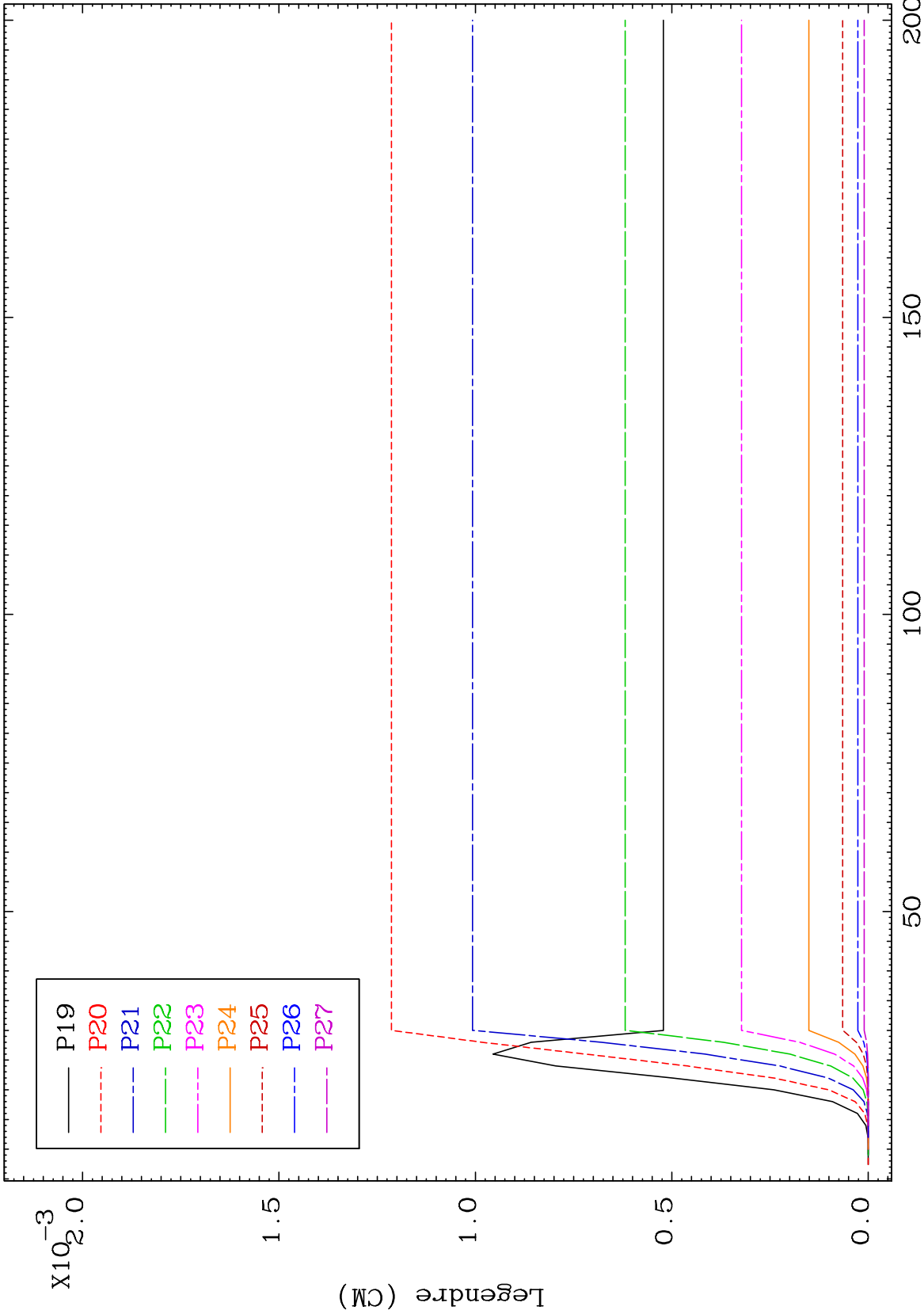
66-Dy-147



MAT 6598

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

66-Dy-147



48

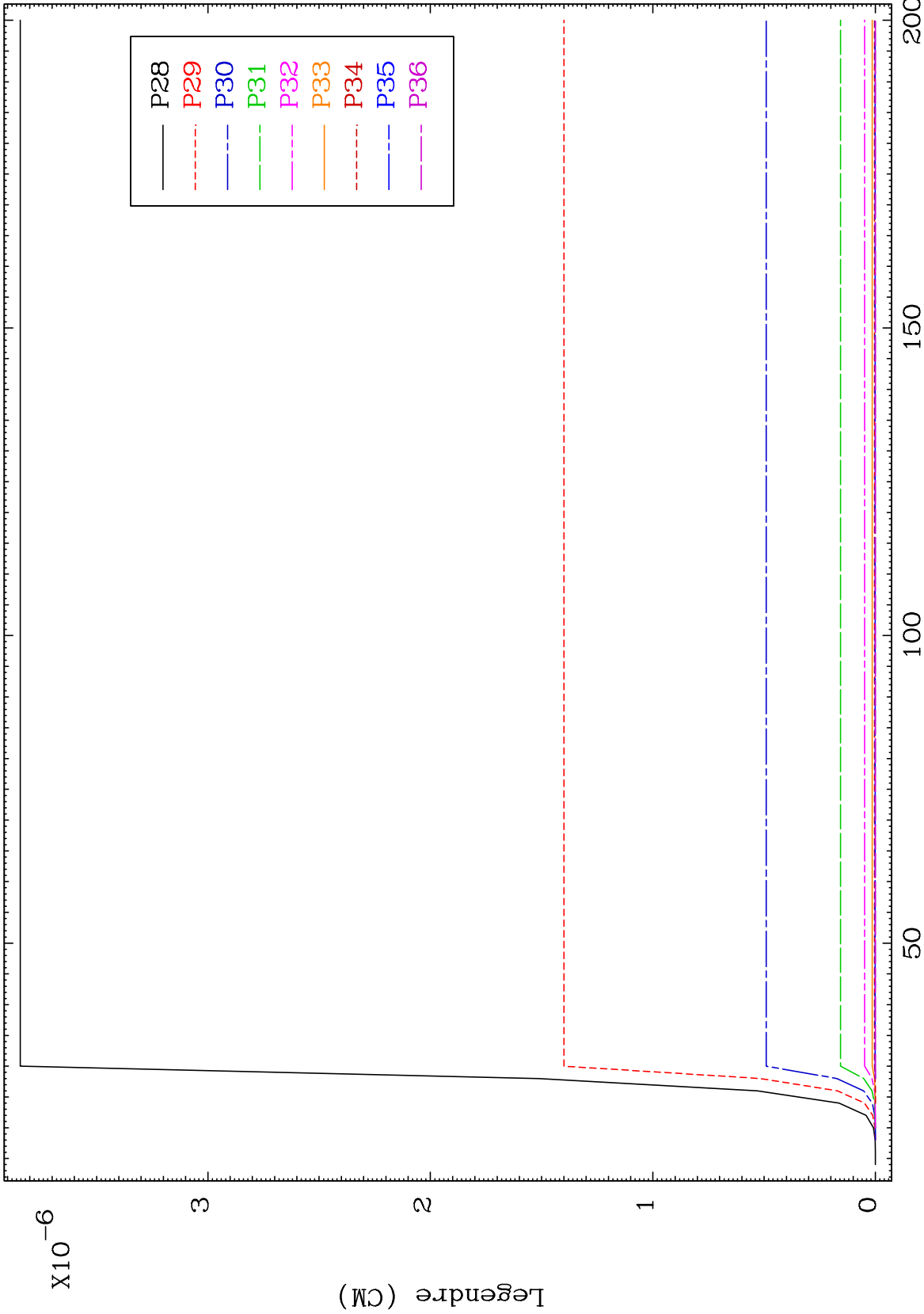
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



49

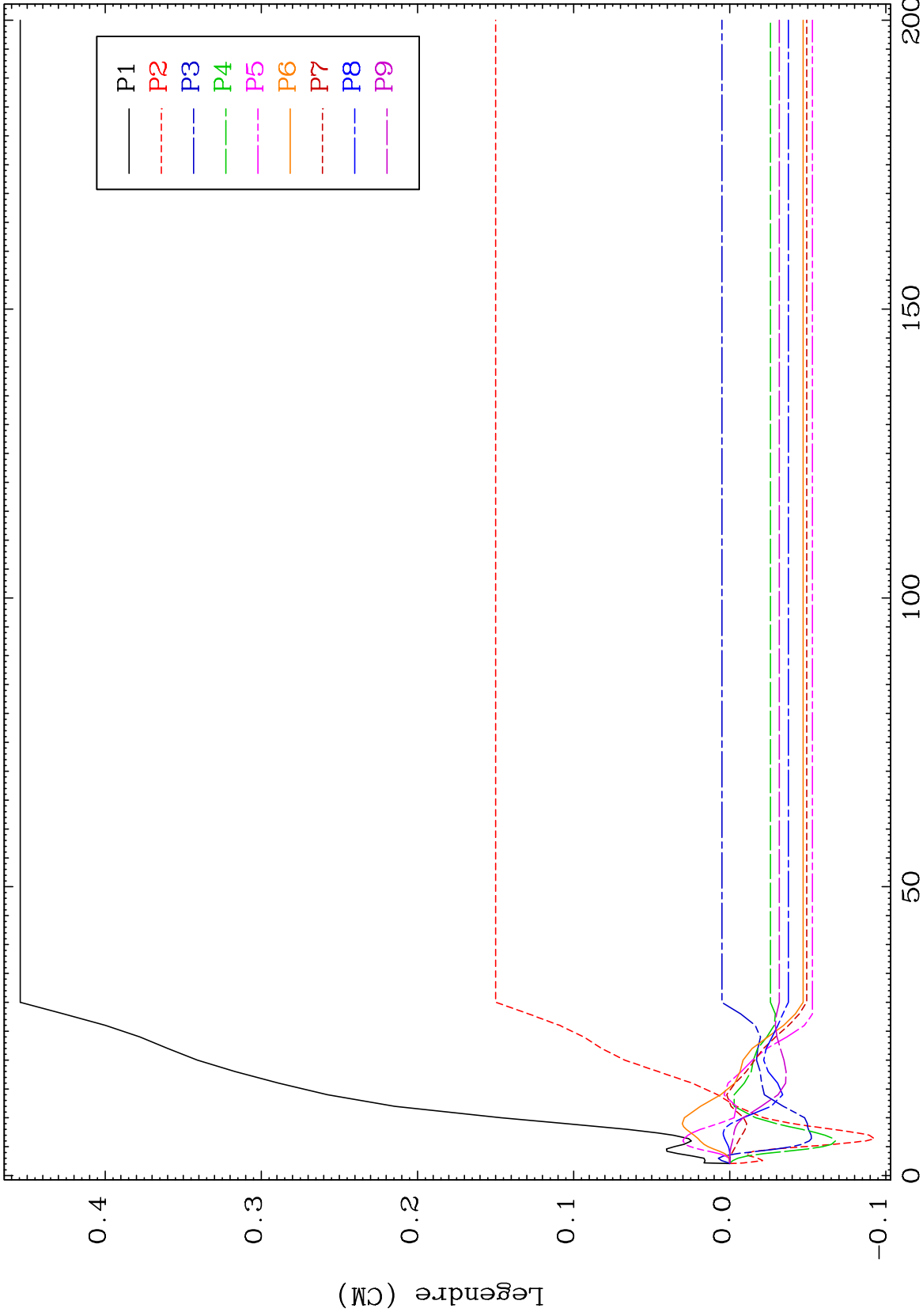
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



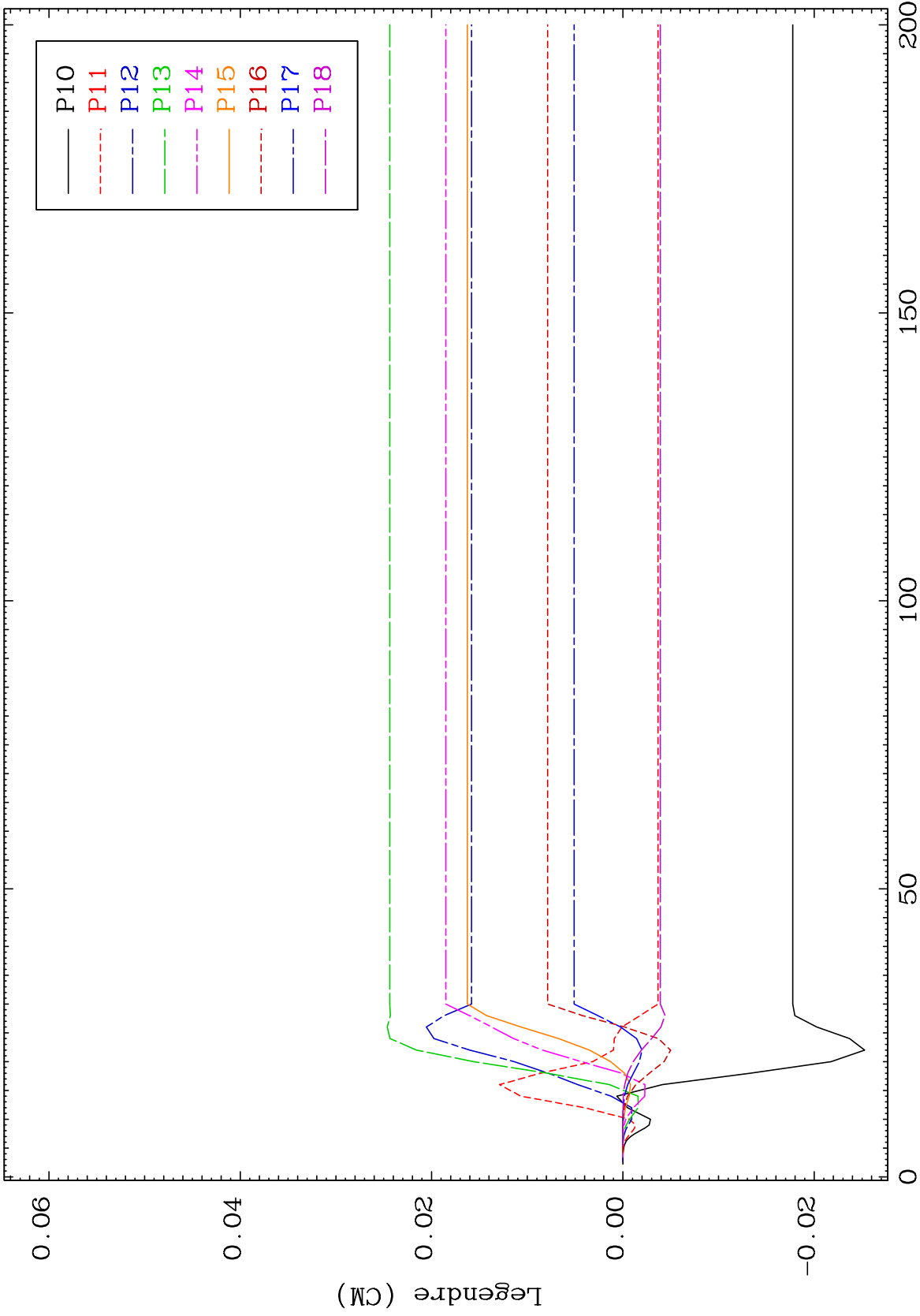
66-Dy-147

Incident Energy (MeV)

MAT 6598

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

66-Dy-147



51

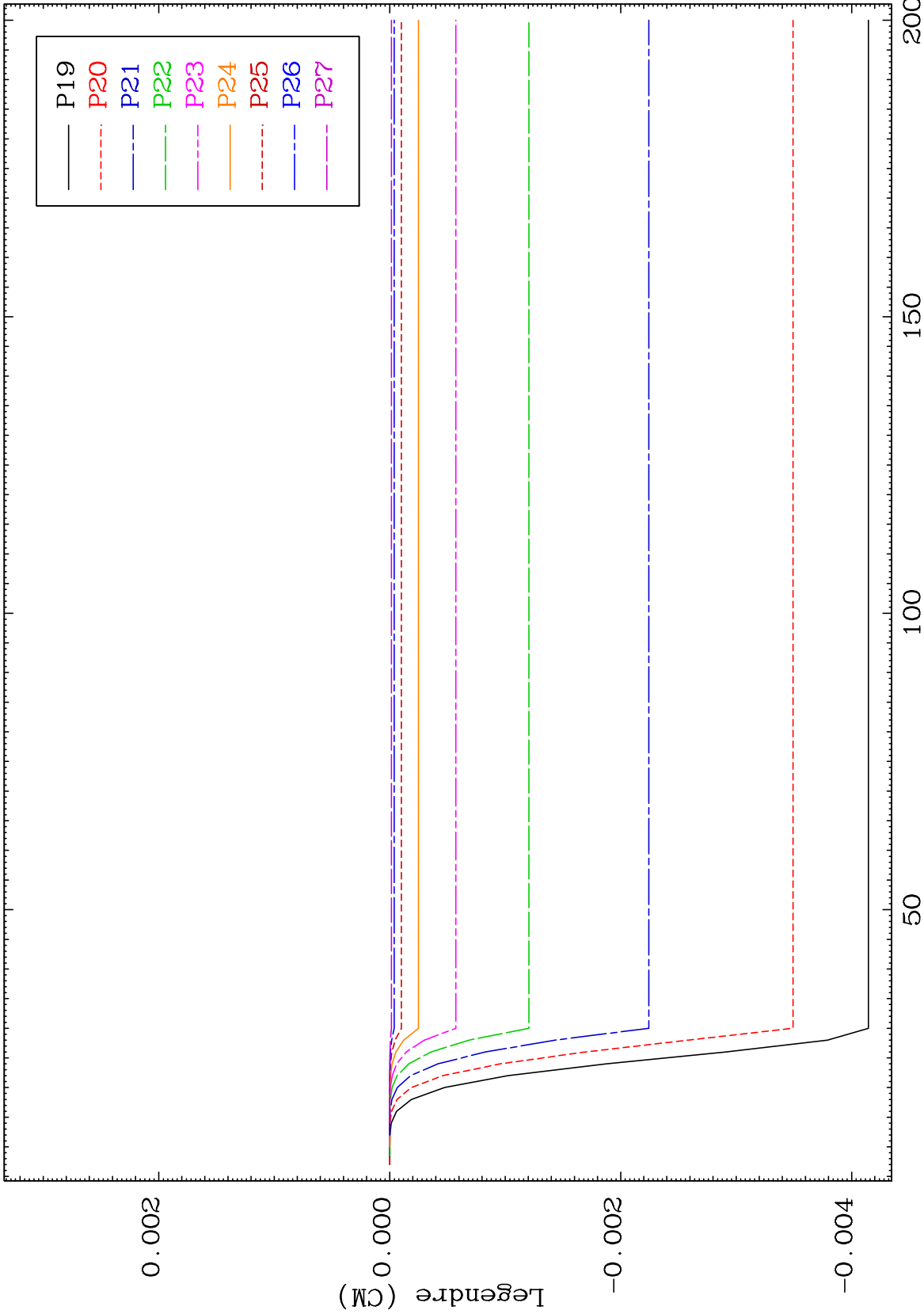
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



52

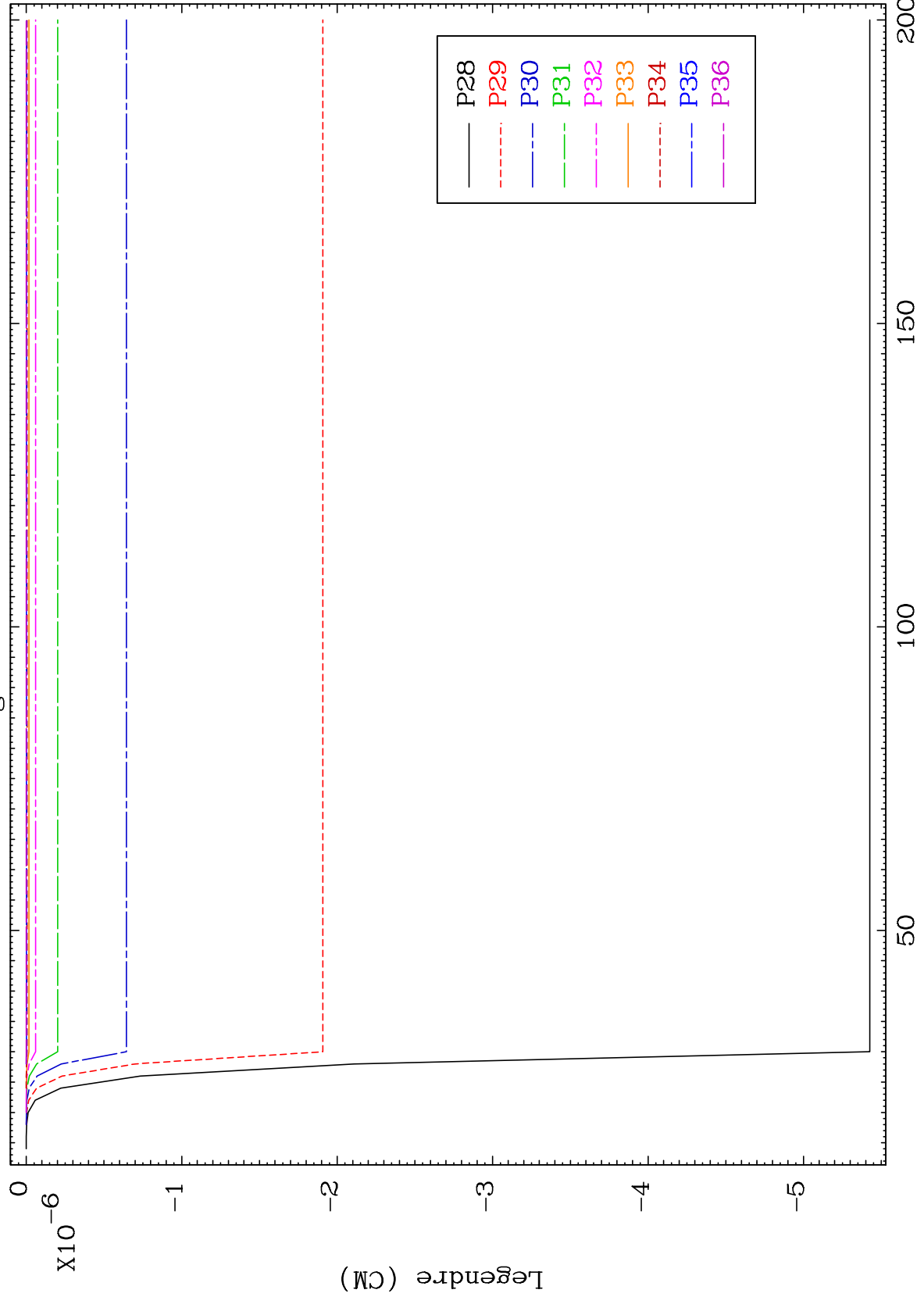
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



66-Dy-147

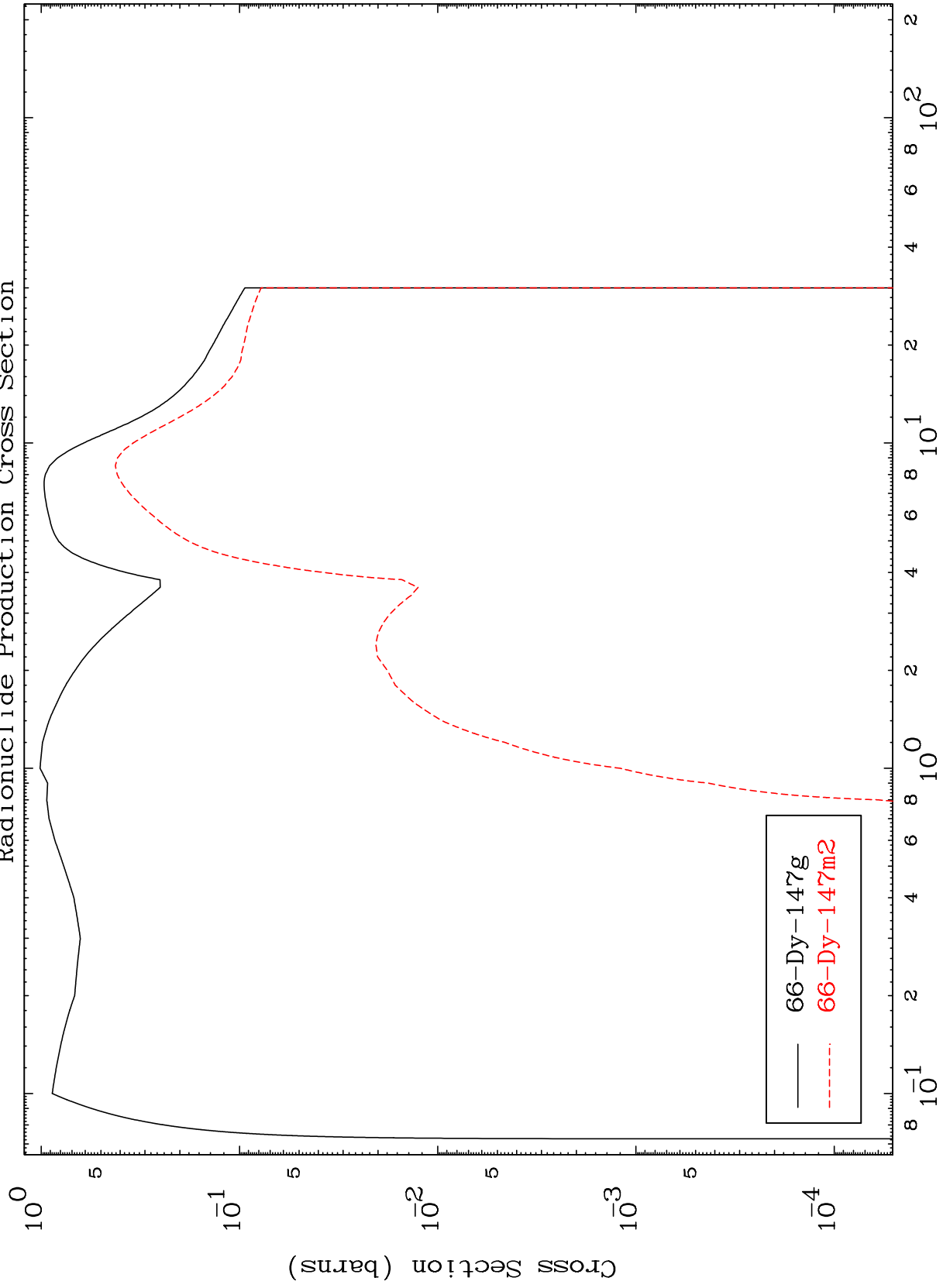
Incident Energy (MeV)

53

MAT 6598

66-Dy-147

Inelastic  
Radionuclide Production Cross Section



54

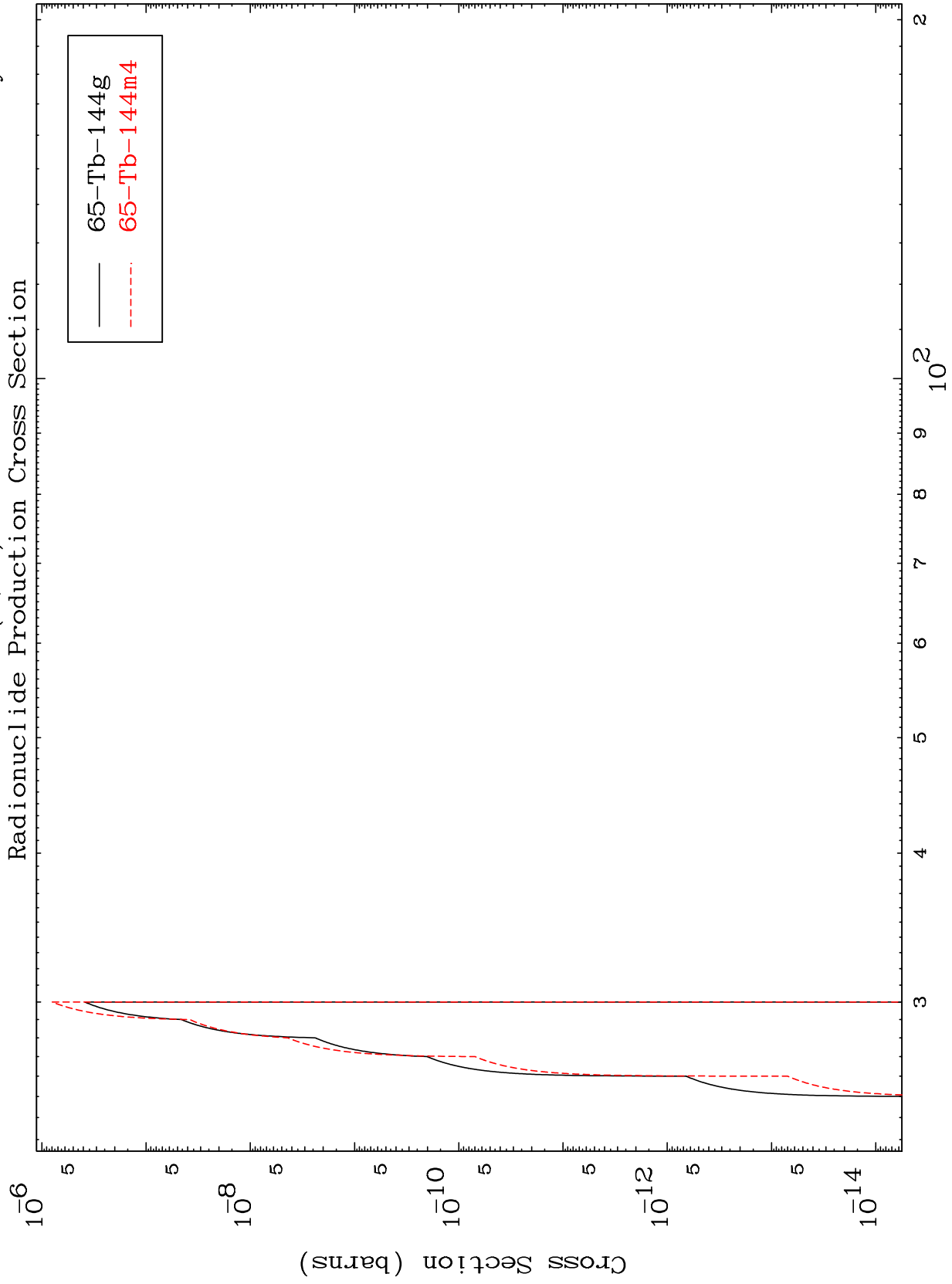
Incident Energy (MeV)

66-Dy-147

MAT 6598

(n,2n) d

66-Dy-147



55

Incident Energy (MeV)

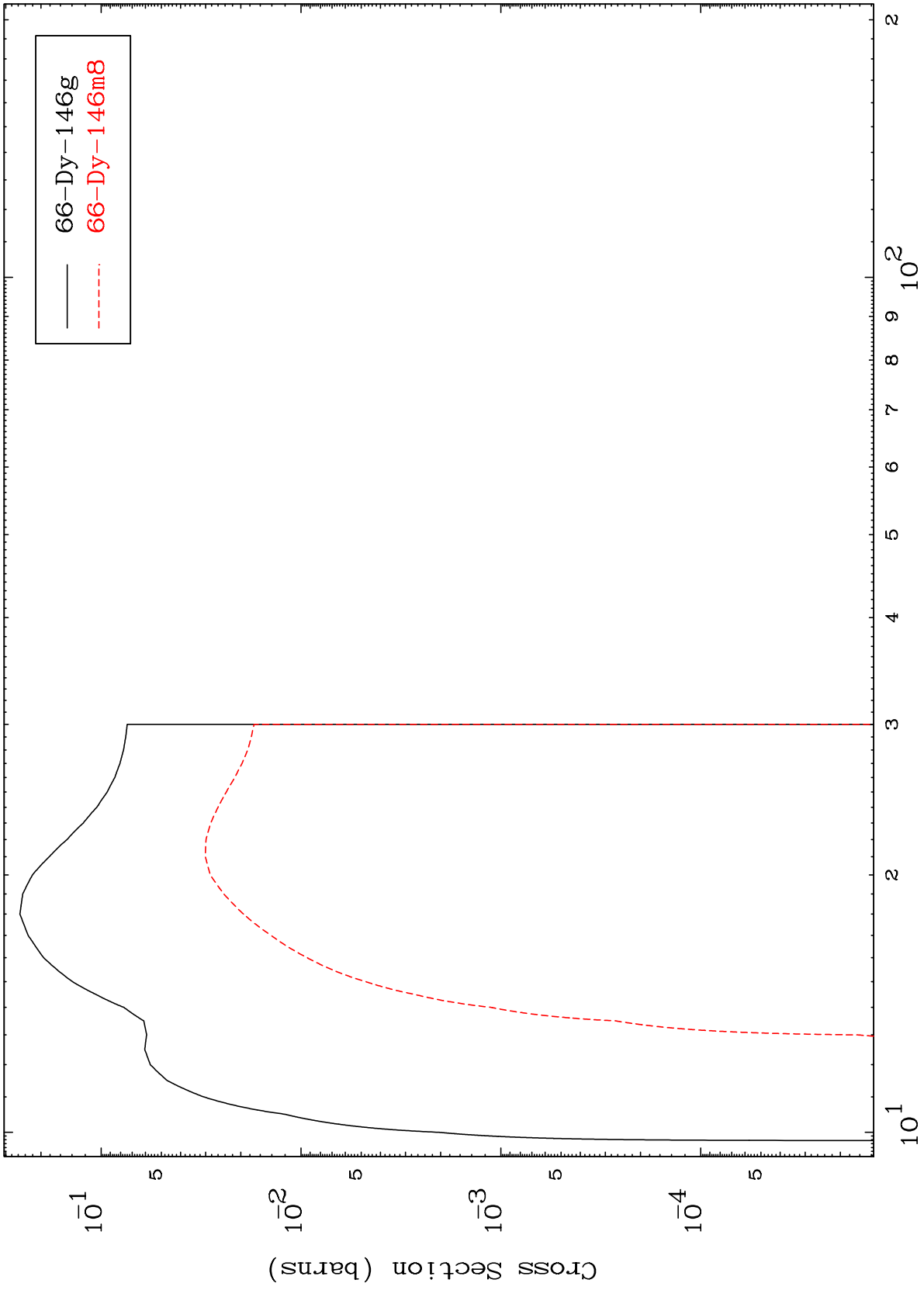
66-Dy-147



MAT 6598

66-Dy-147

(n,2n)  
Radionuclide Production Cross Section



56

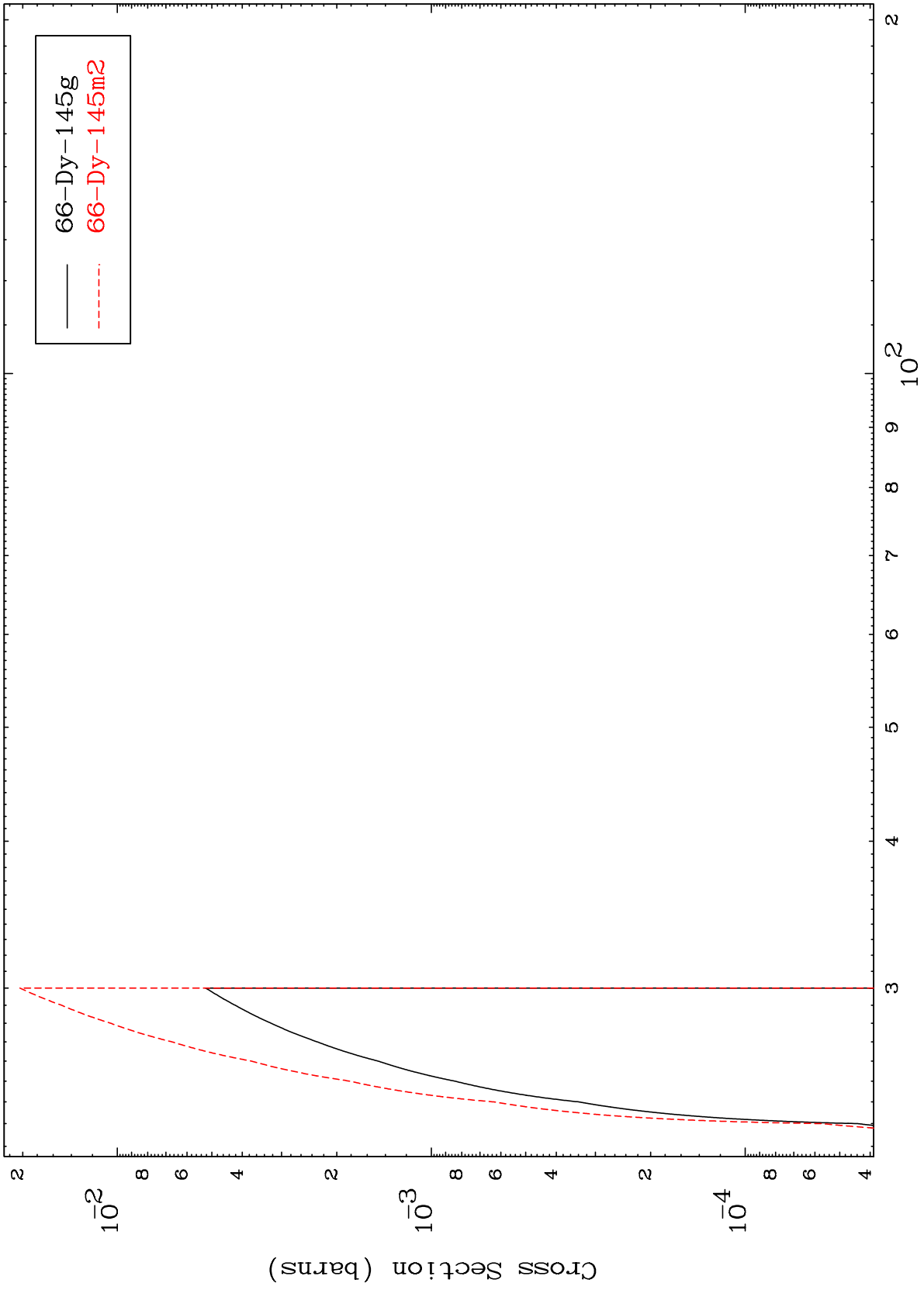
Incident Energy (MeV)

66-Dy-147

MAT 6598

66-Dy-147

(n,3n)  
Radionuclide Production Cross Section



57

Incident Energy (MeV)

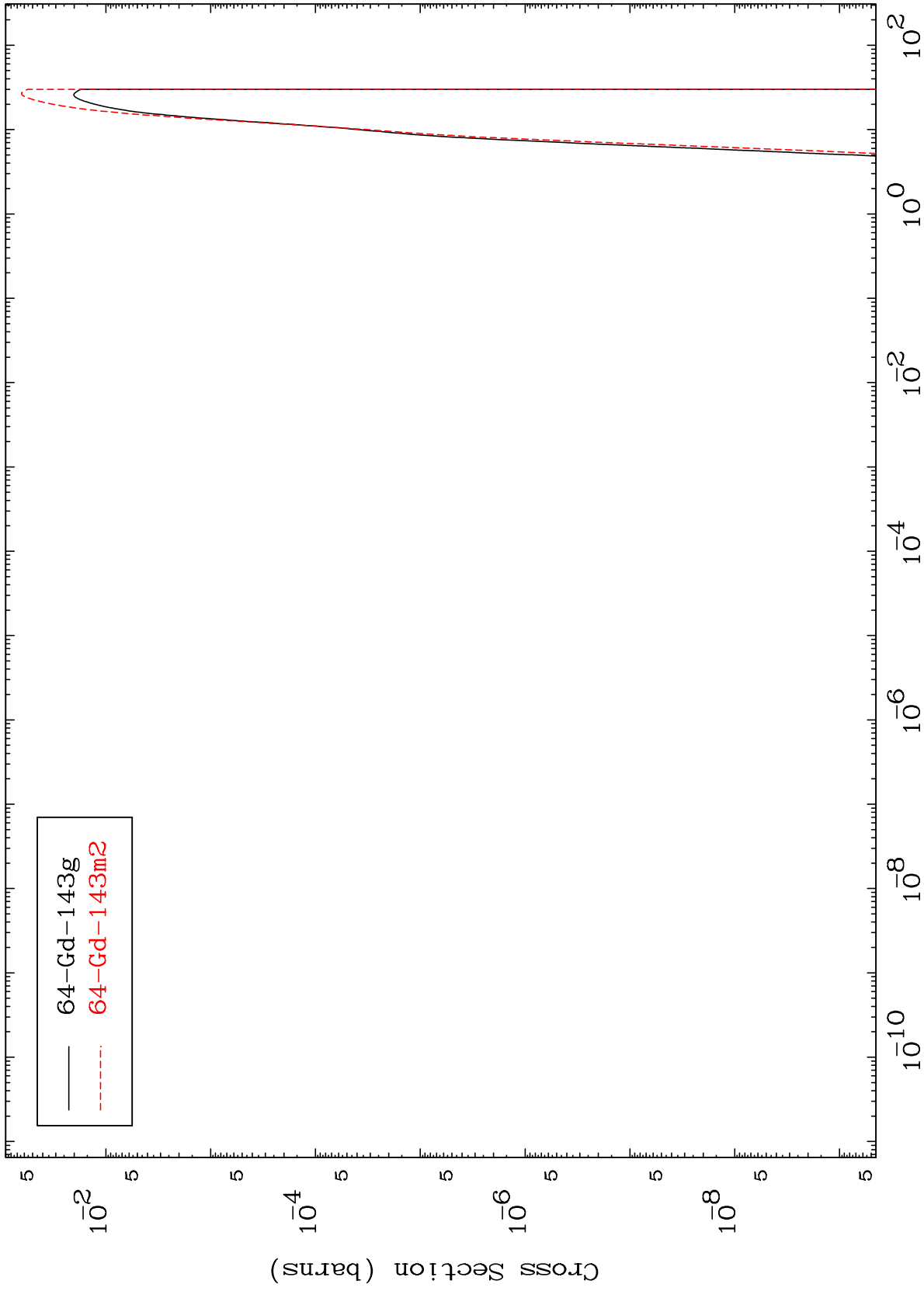
66-Dy-147

MAT 6598

(n,n')  $\alpha$

66-Dy-147

Radionuclide Production Cross Section



58

Incident Energy (MeV)

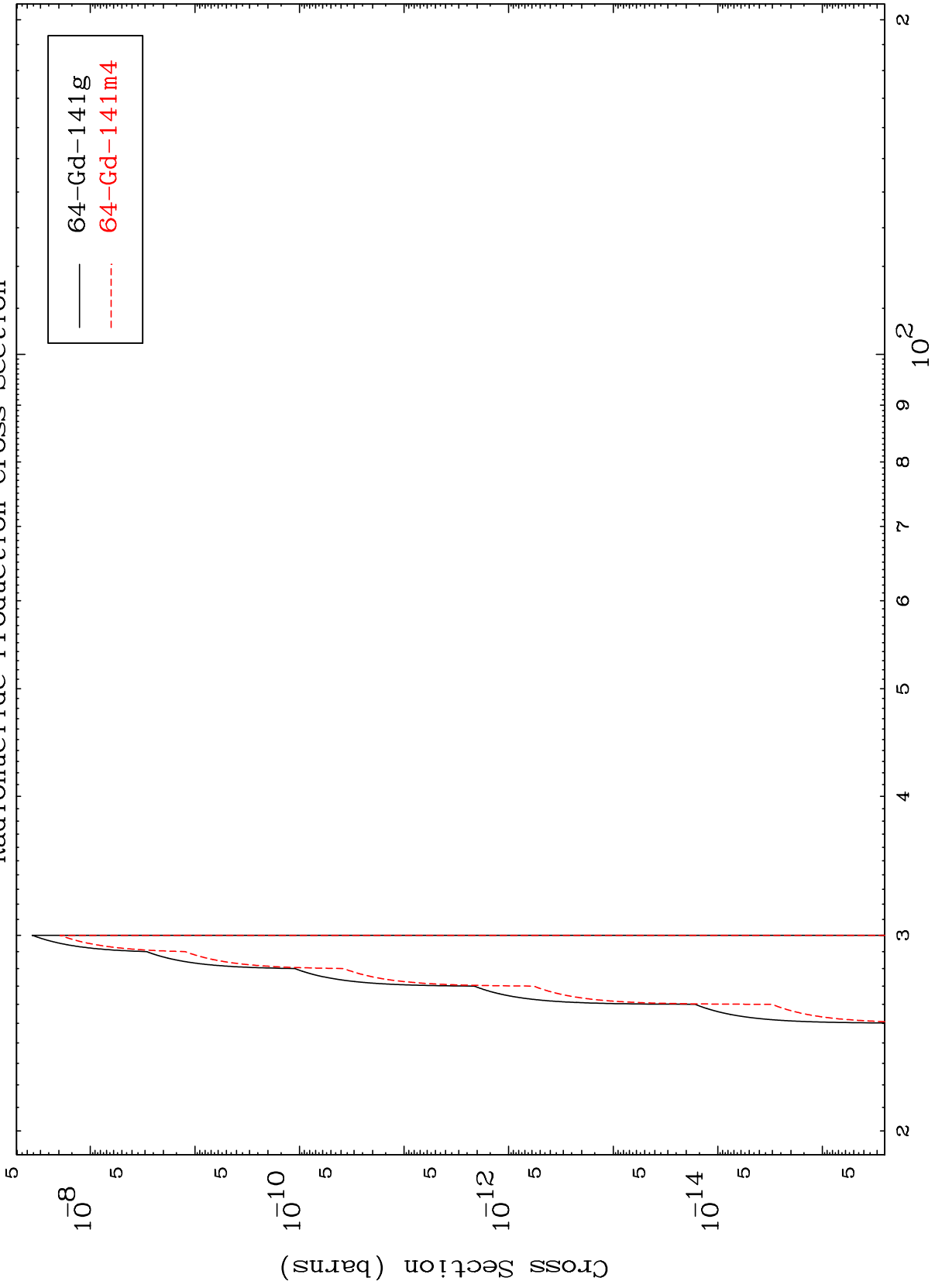
66-Dy-147

MAT 6598

(n,3n)  $\alpha$

66-Dy-147

Radionuclide Production Cross Section



59

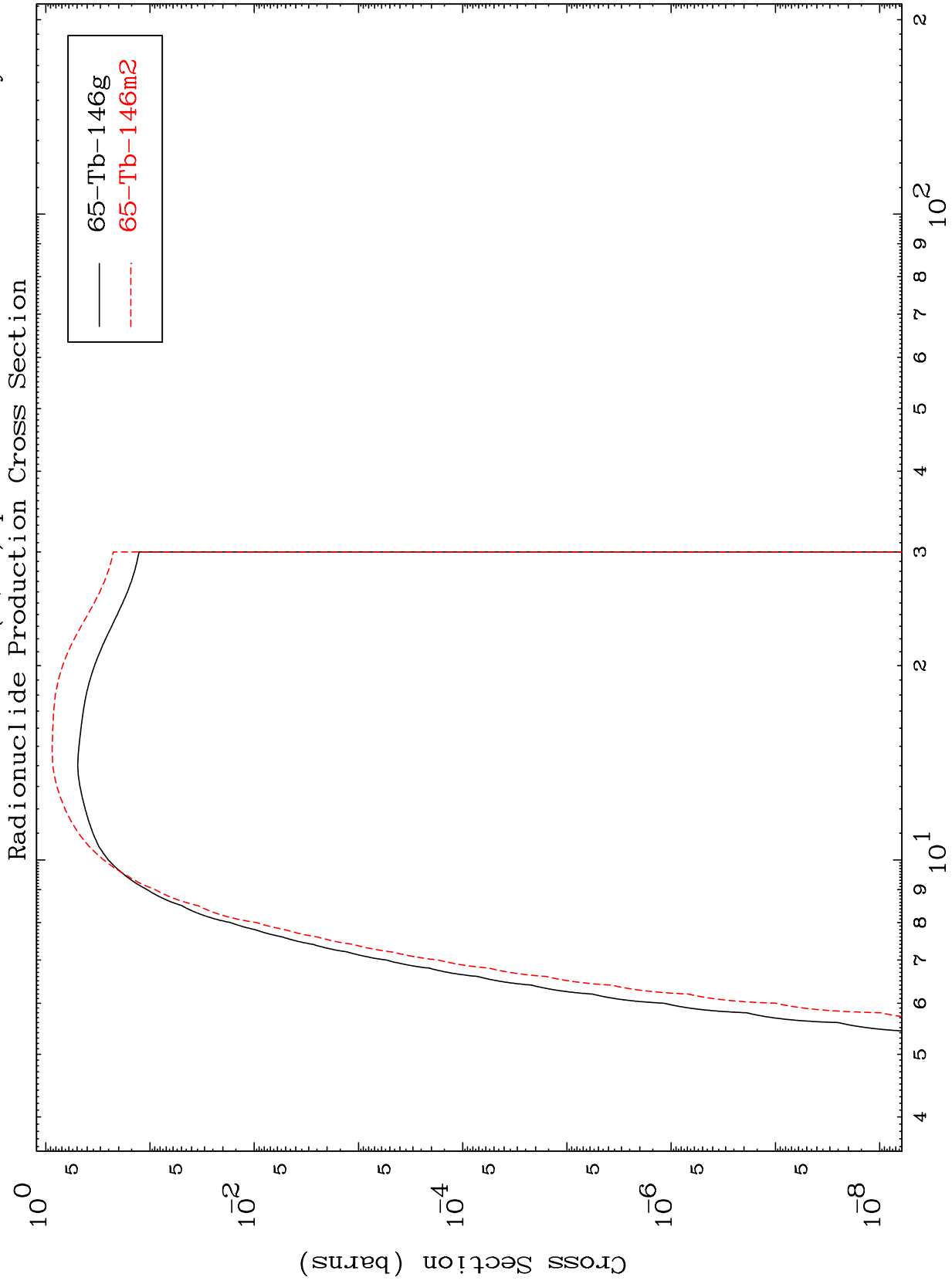
Incident Energy (MeV)

66-Dy-147

MAT 6598

(n,n') p

66-Dy-147

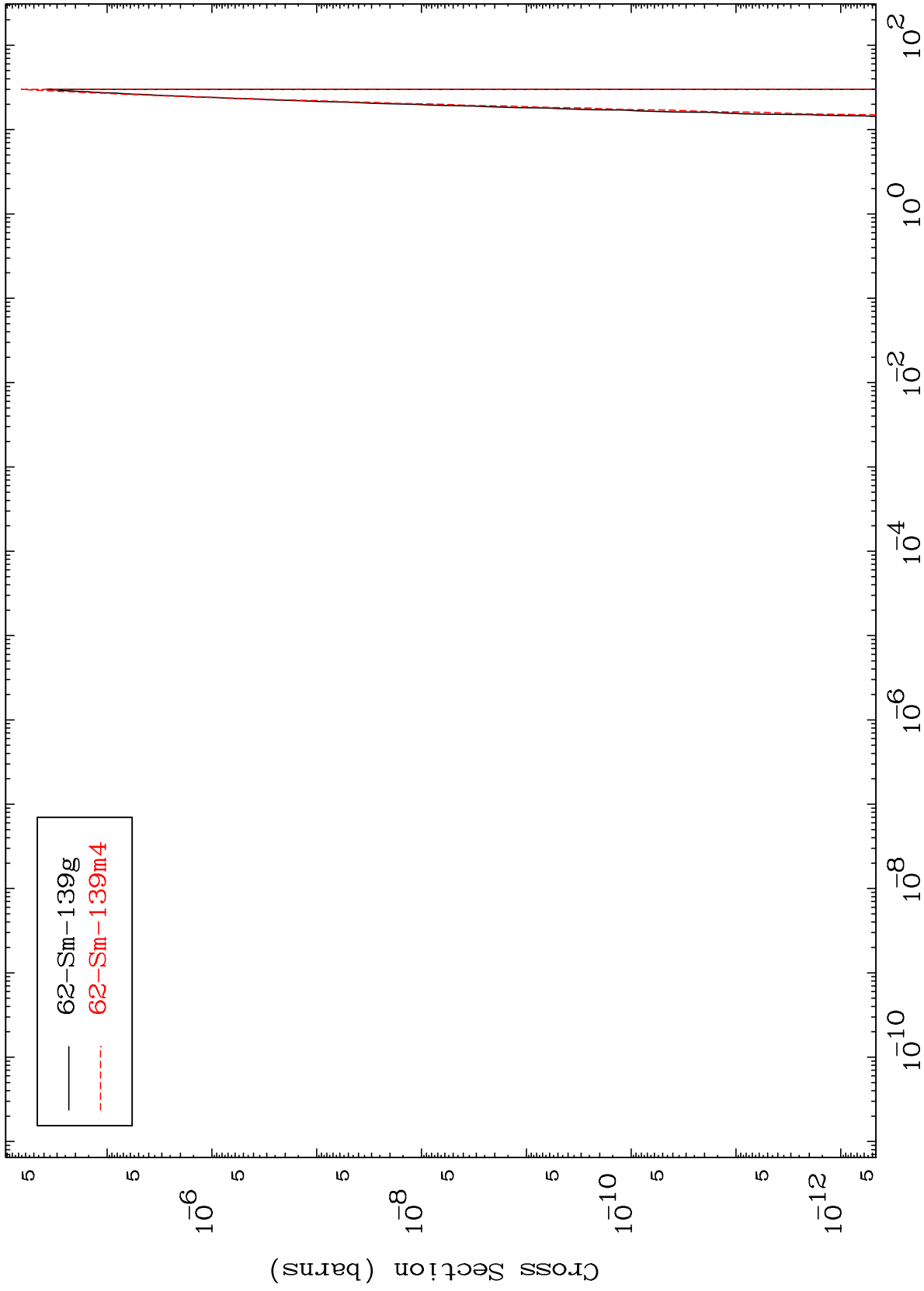


MAT 6598

(n,n') 2 $\alpha$

66-Dy-147

Radionuclide Production Cross Section



61

Incident Energy (MeV)

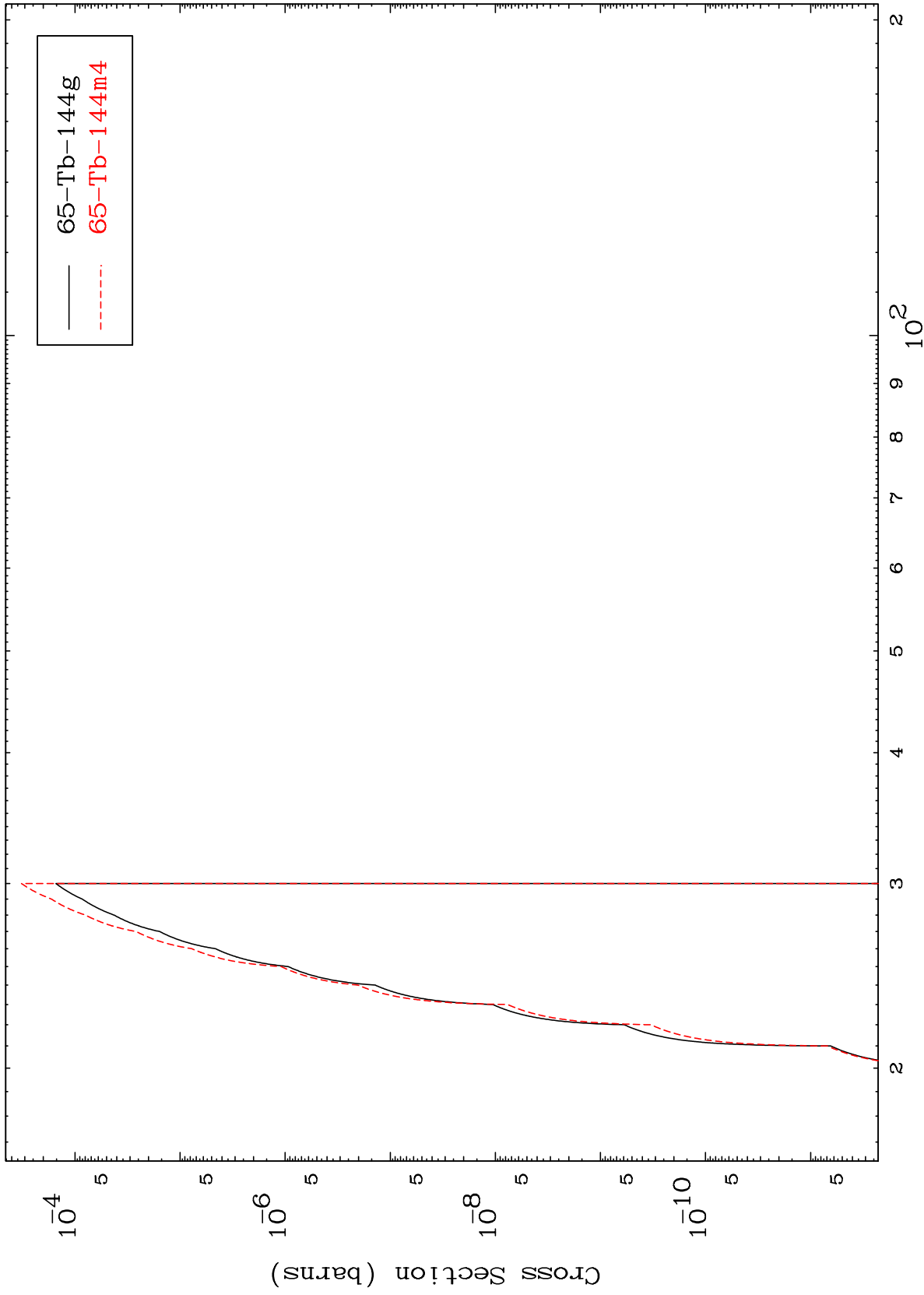
66-Dy-147

MAT 6598

(n,n') t

66-Dy-147

Radionuclide Production Cross Section



62

Incident Energy (MeV)

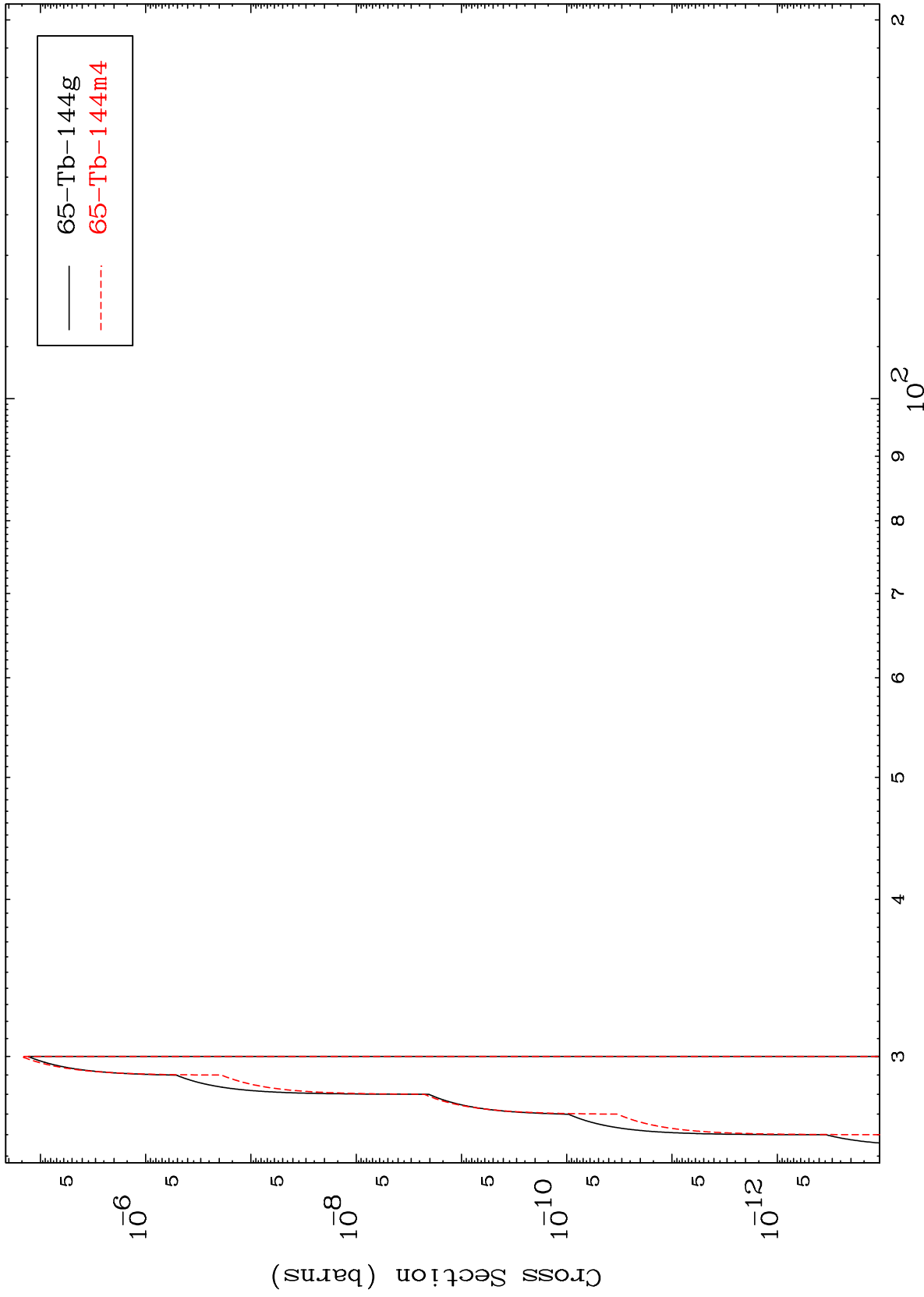
66-Dy-147

MAT 6598

(n,3n) p

66-Dy-147

Radionuclide Production Cross Section



63

Incident Energy (MeV)

66-Dy-147

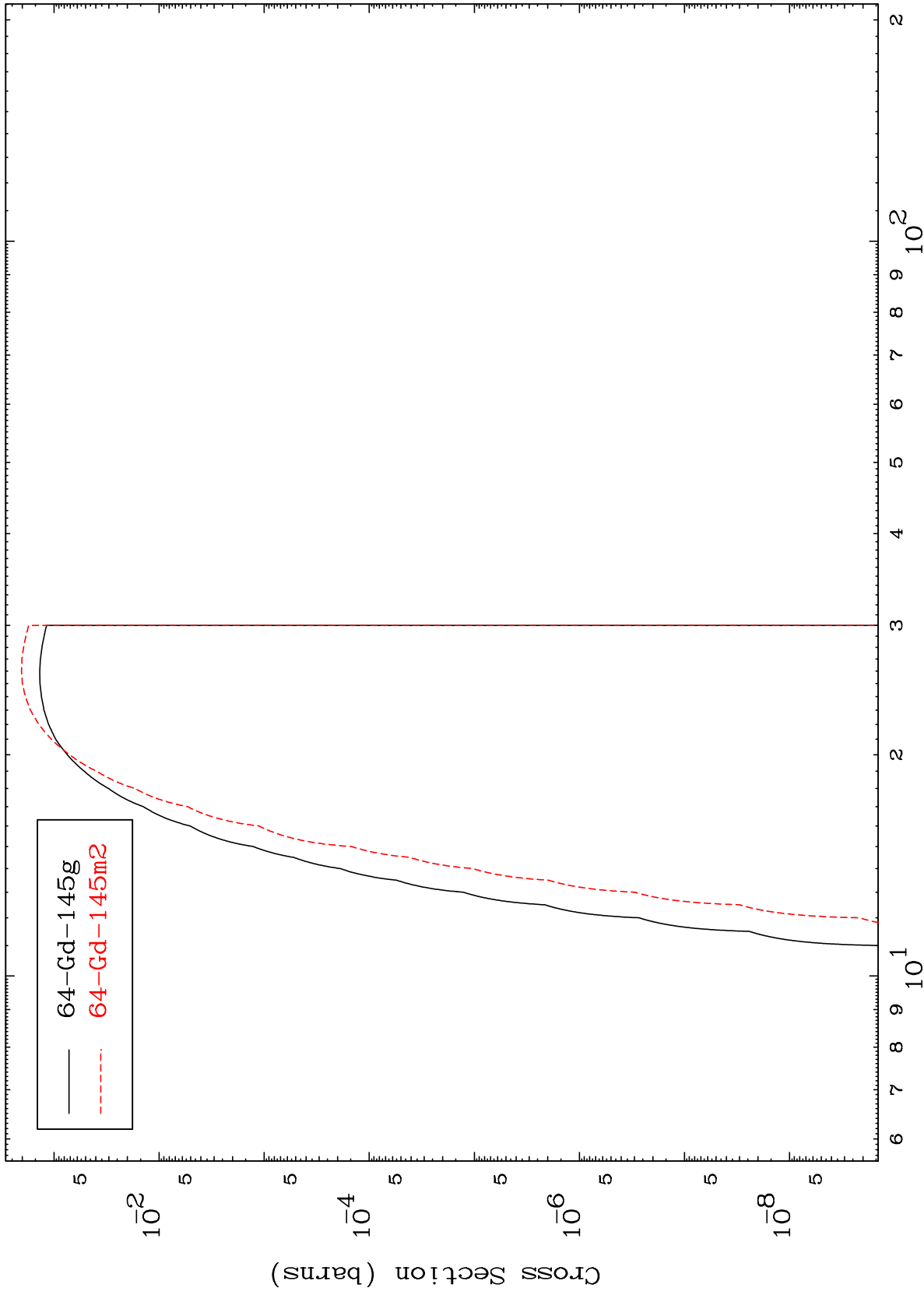


MAT 6598

(n,2n) p

66-Dy-147

Radionuclide Production Cross Section



64

Incident Energy (MeV)

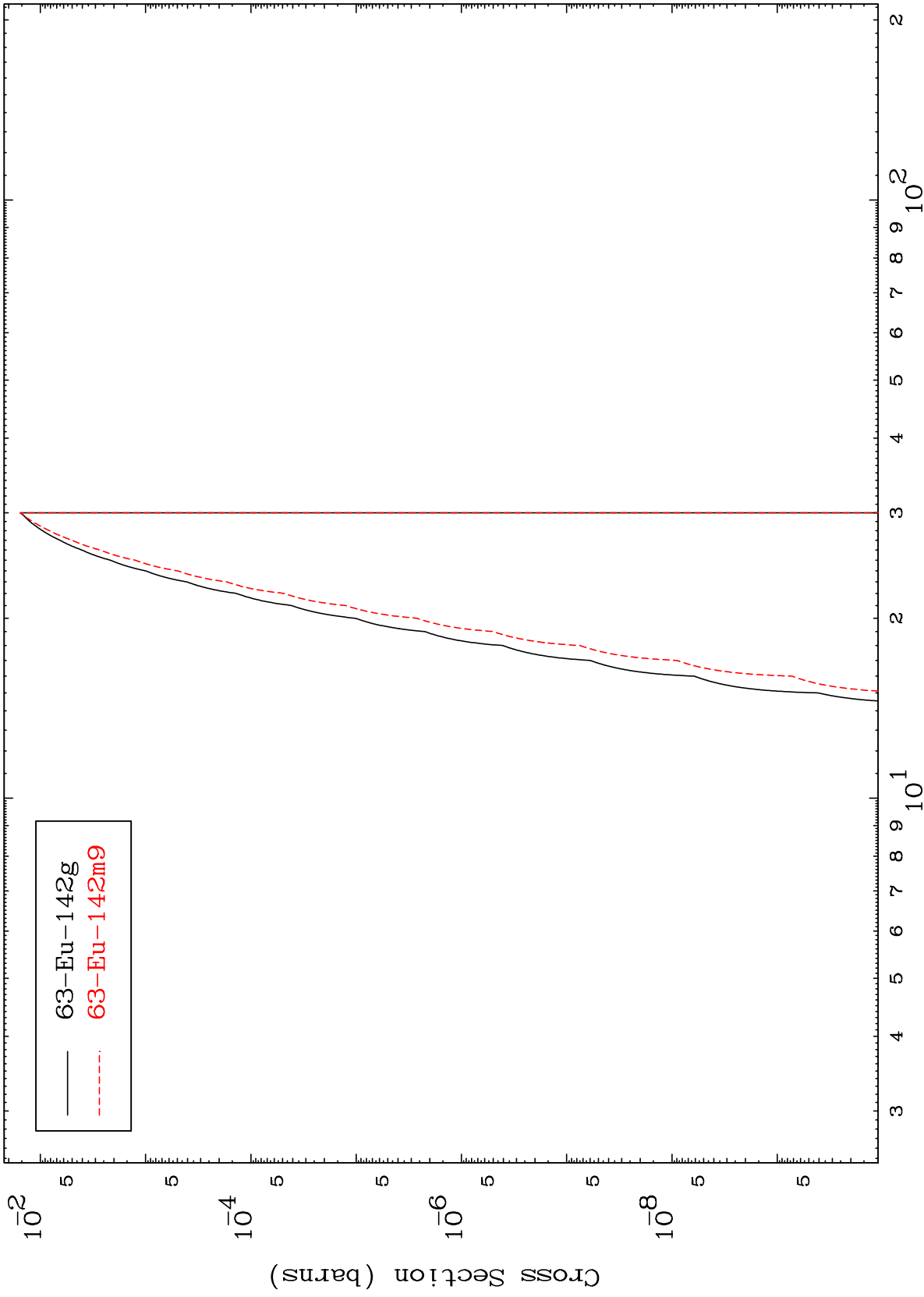
66-Dy-147

MAT 6598

(n,n') p  $\alpha$

66-Dy-147

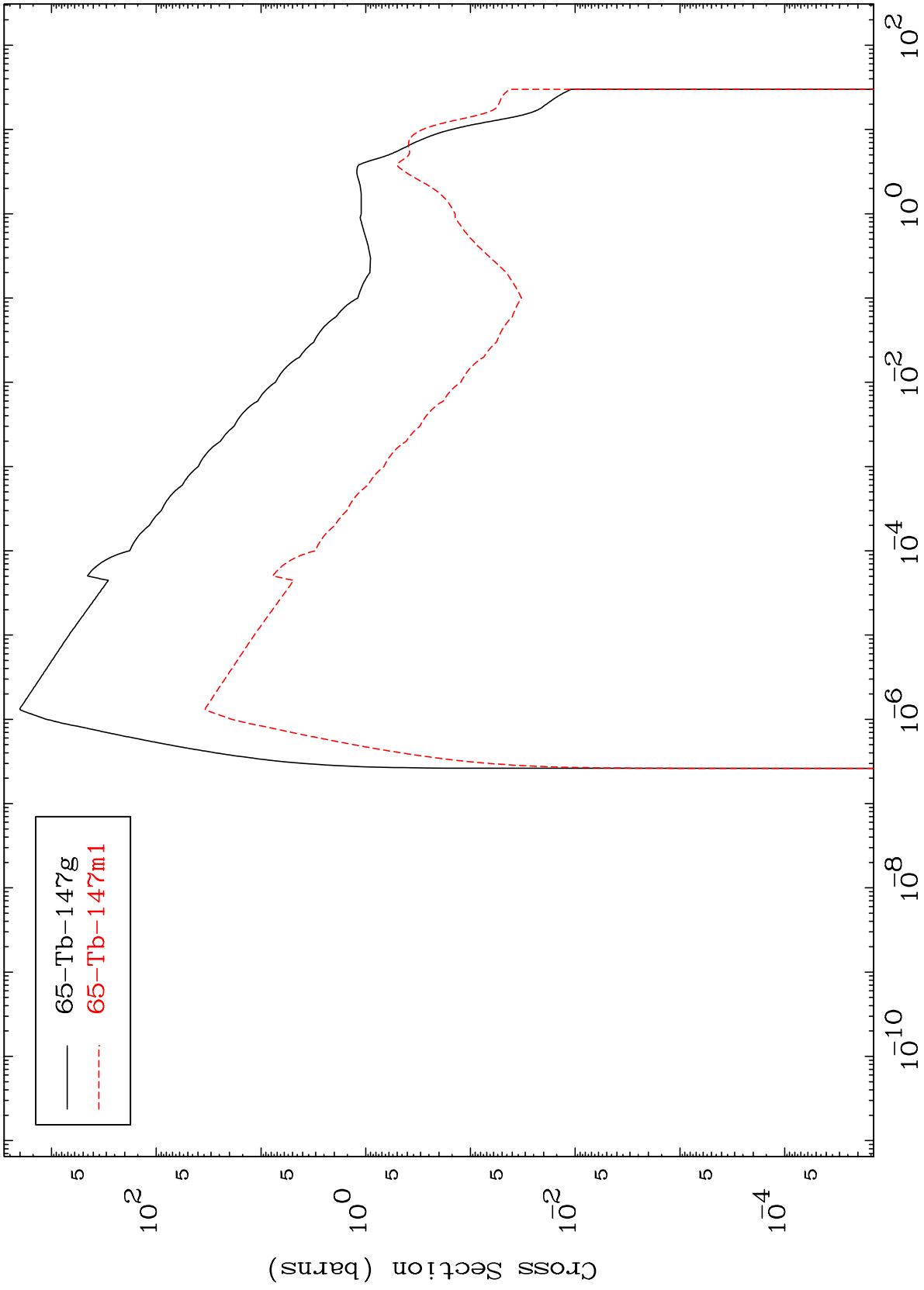
Radionuclide Production Cross Section



MAT 6598

(n,p)  
Radionuclide Production Cross Section

66-Dy-147



66

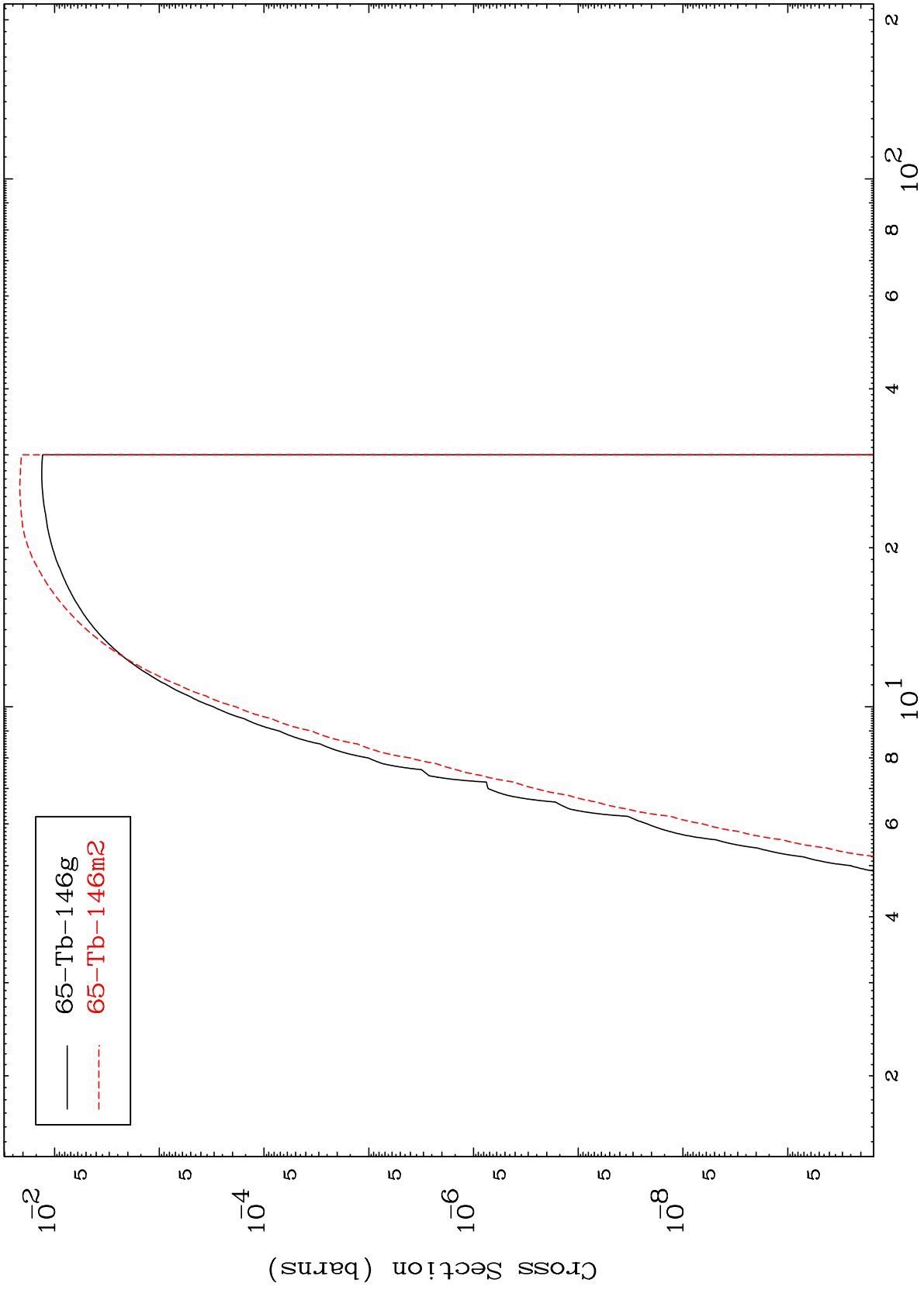
Incident Energy (MeV)

66-Dy-147

MAT 6598

(n,d)  
Radionuclide Production Cross Section

66-Dy-147



67

Incident Energy (MeV)

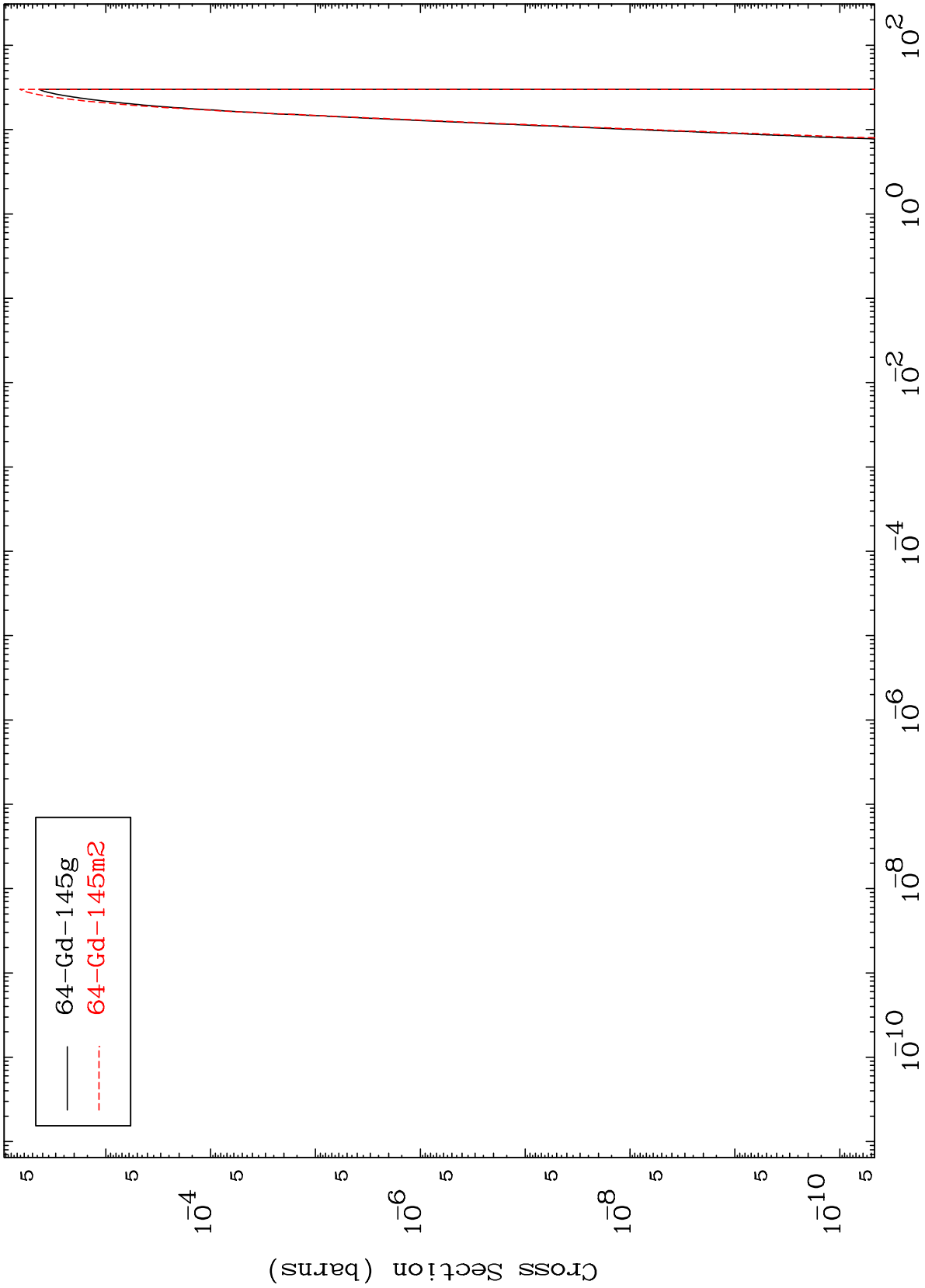
66-Dy-147

MAT 6598

(n, He-3)

66-Dy-147

Radionuclide Production Cross Section



64-Gd-145g  
64-Gd-145m2

68

Incident Energy (MeV)

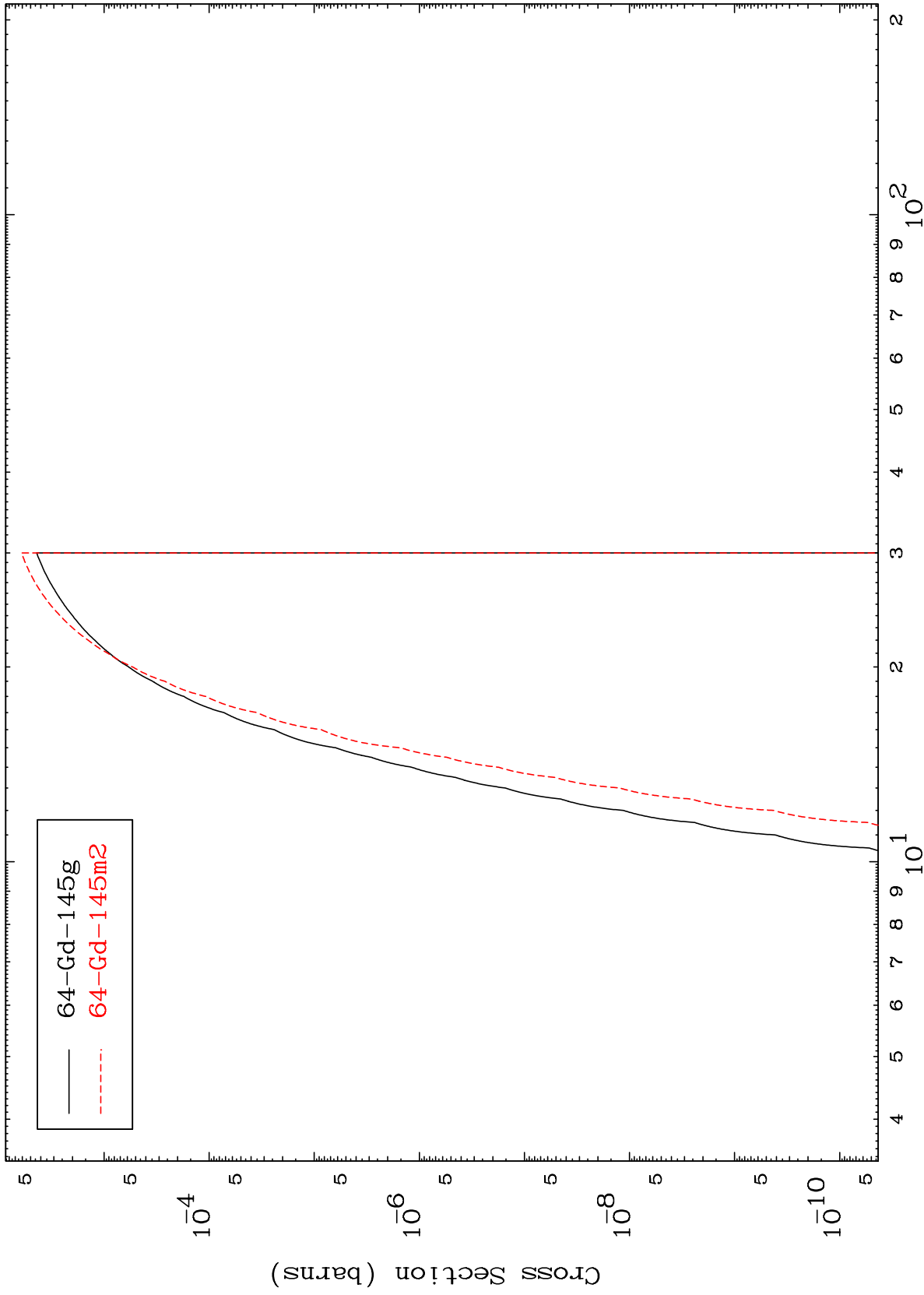
66-Dy-147

MAT 6598

(n,p) d

66-Dy-147

Radionuclide Production Cross Section



69

Incident Energy (MeV)

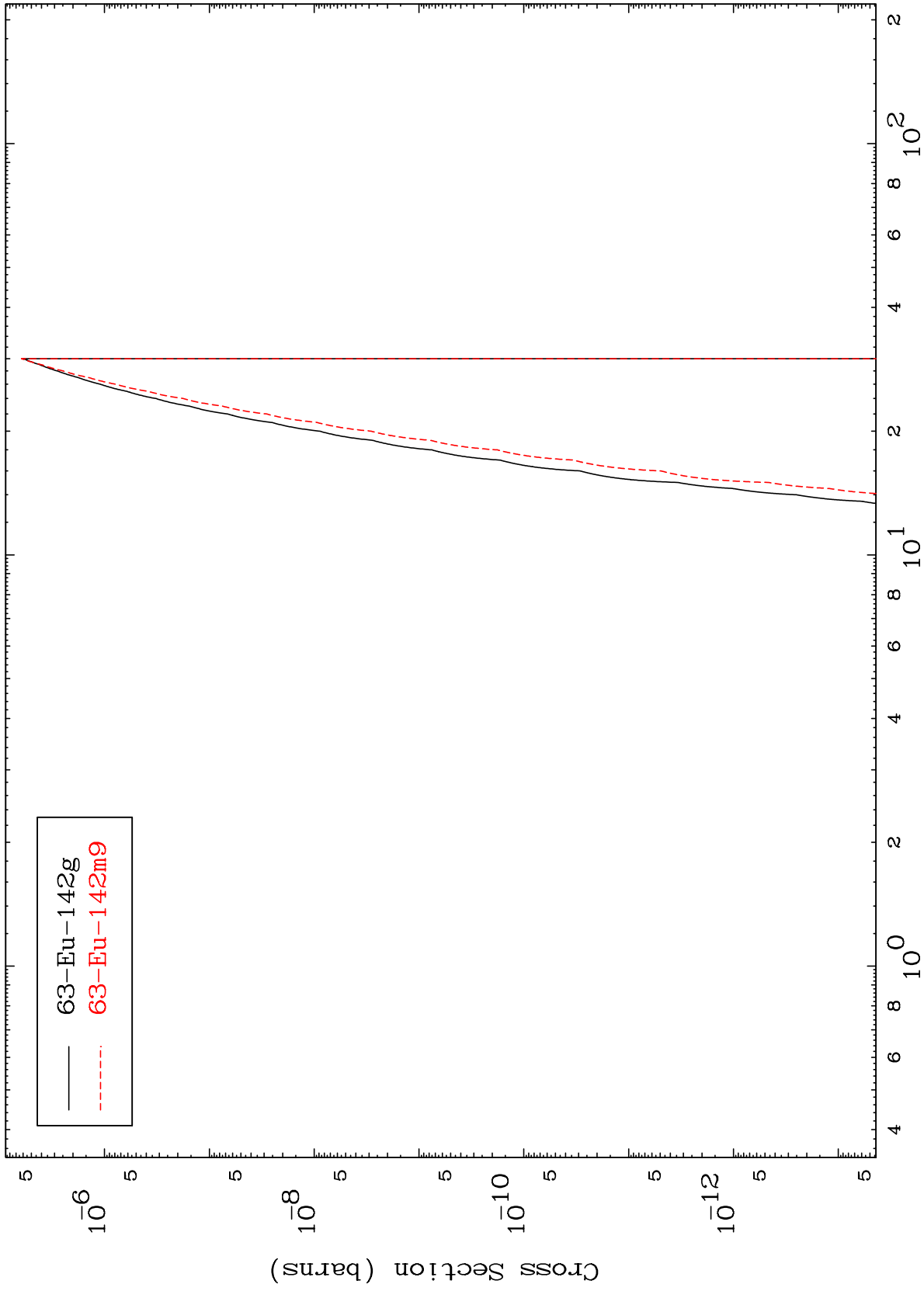
66-Dy-147

MAT 6598

(n,d)  $\alpha$

66-Dy-147

Radionuclide Production Cross Section



70

Incident Energy (MeV)

66-Dy-147