

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

Web:redcullen1.net/HOMEPAGE.NEW

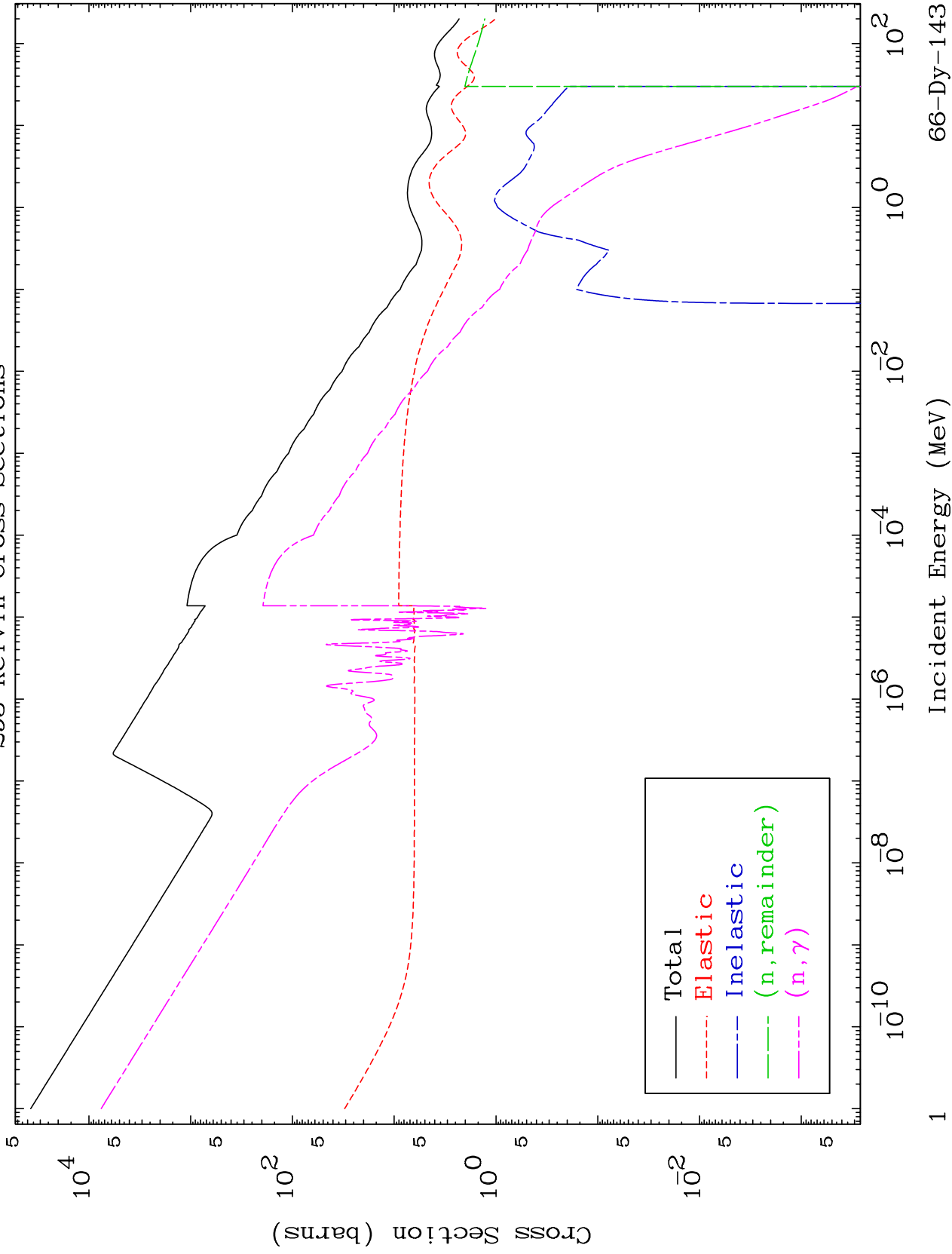
Press Mouse Button to Start

MAT 6586

Major

293 Kelvin Cross Sections

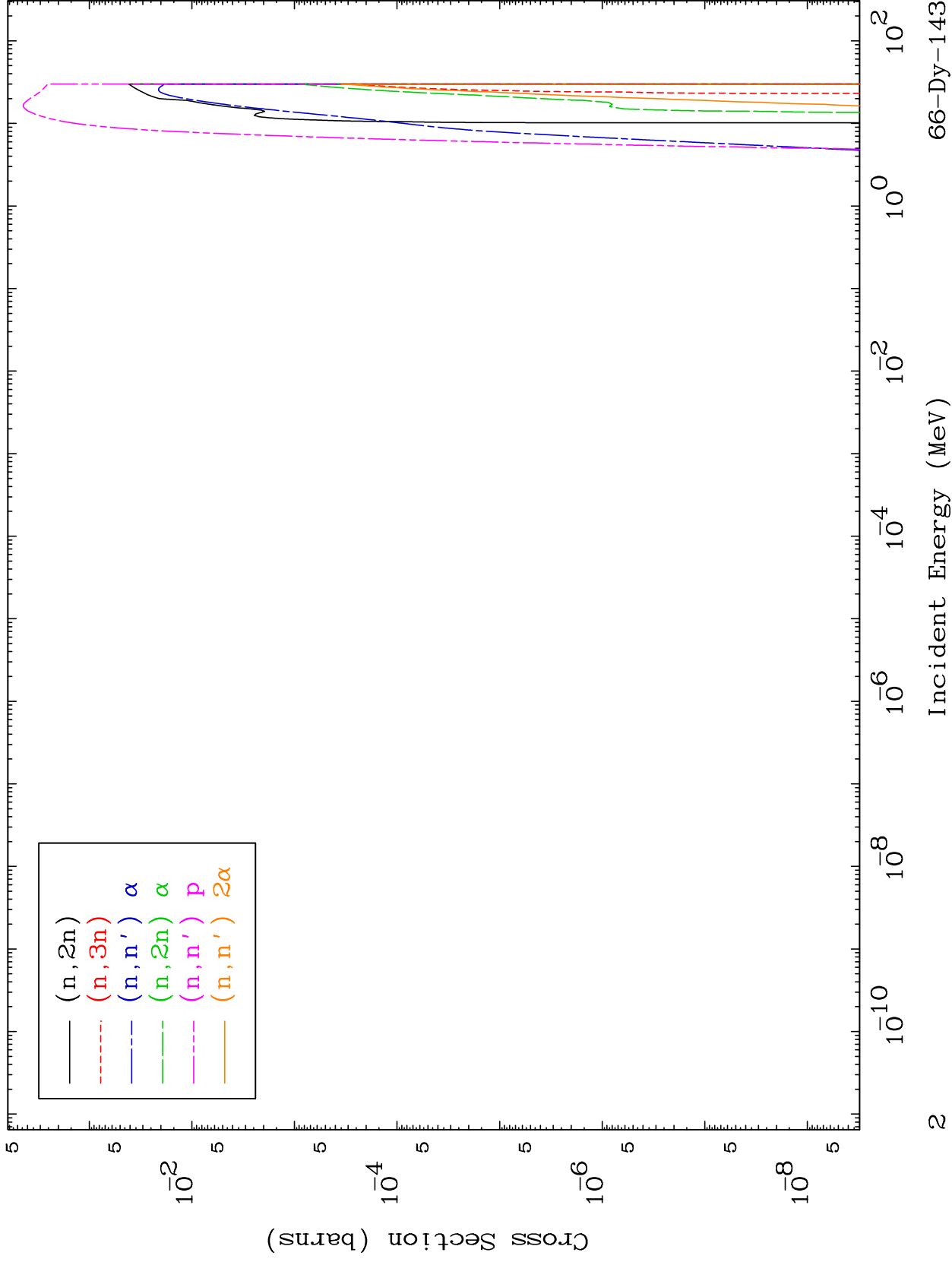
66-Dy-143

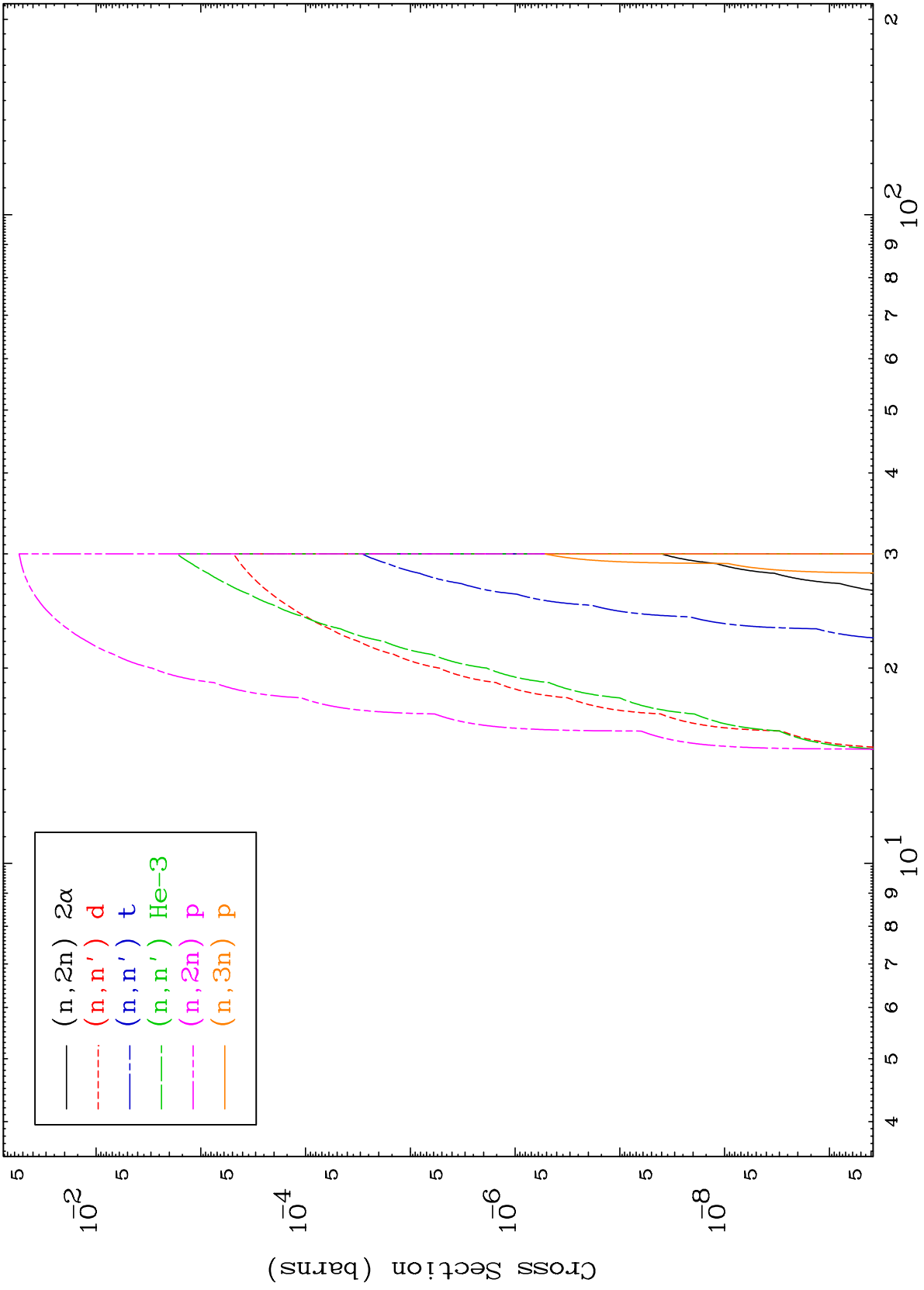


MAT 6586

Neutron Production  
293 Kelvin Cross Sections

66-Dy-143

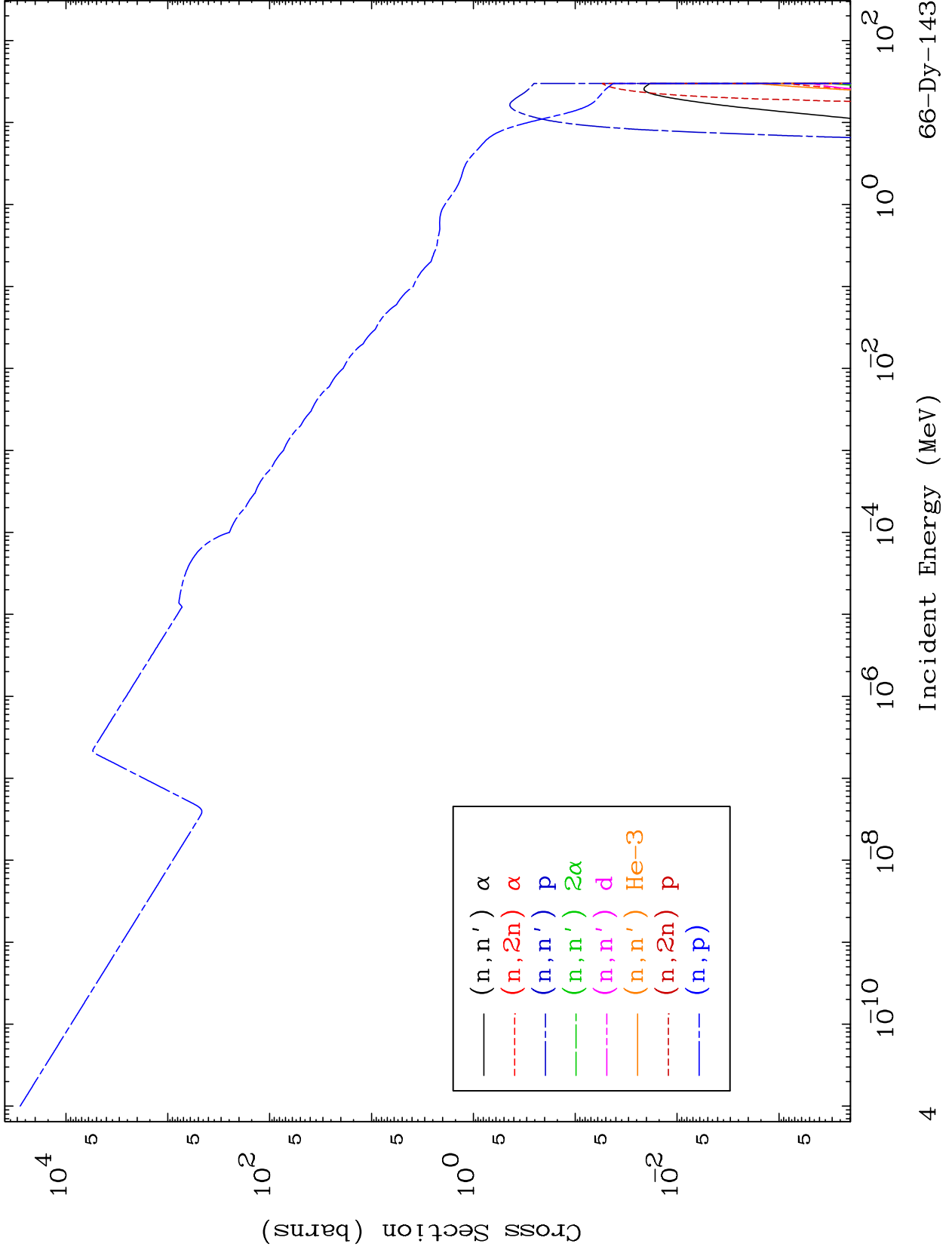




MAT 6586

Charged Particle  
293 Kelvin Cross Sections

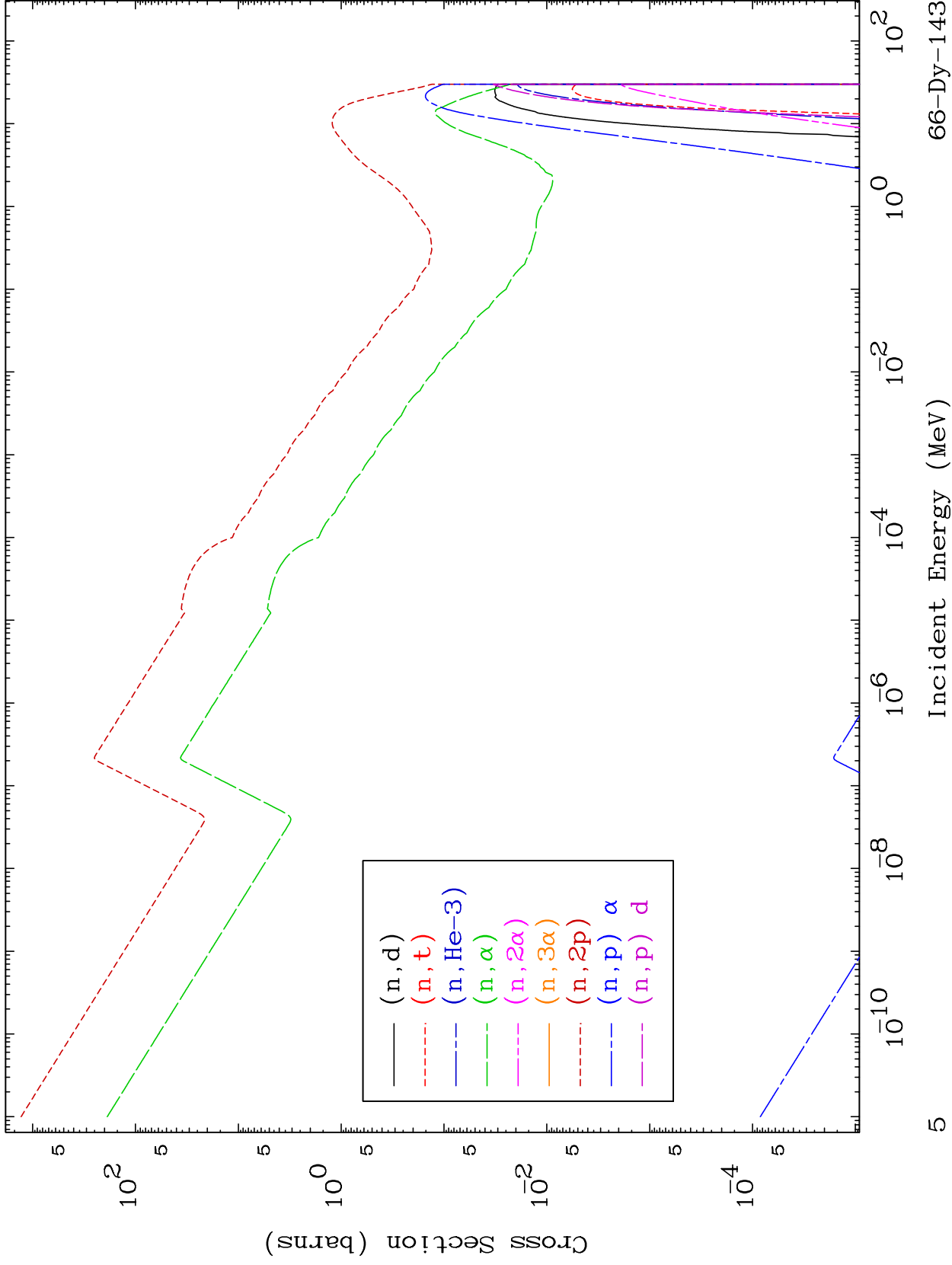
66-Dy-143



MAT 6586

Charged Particle  
293 Kelvin Cross Sections

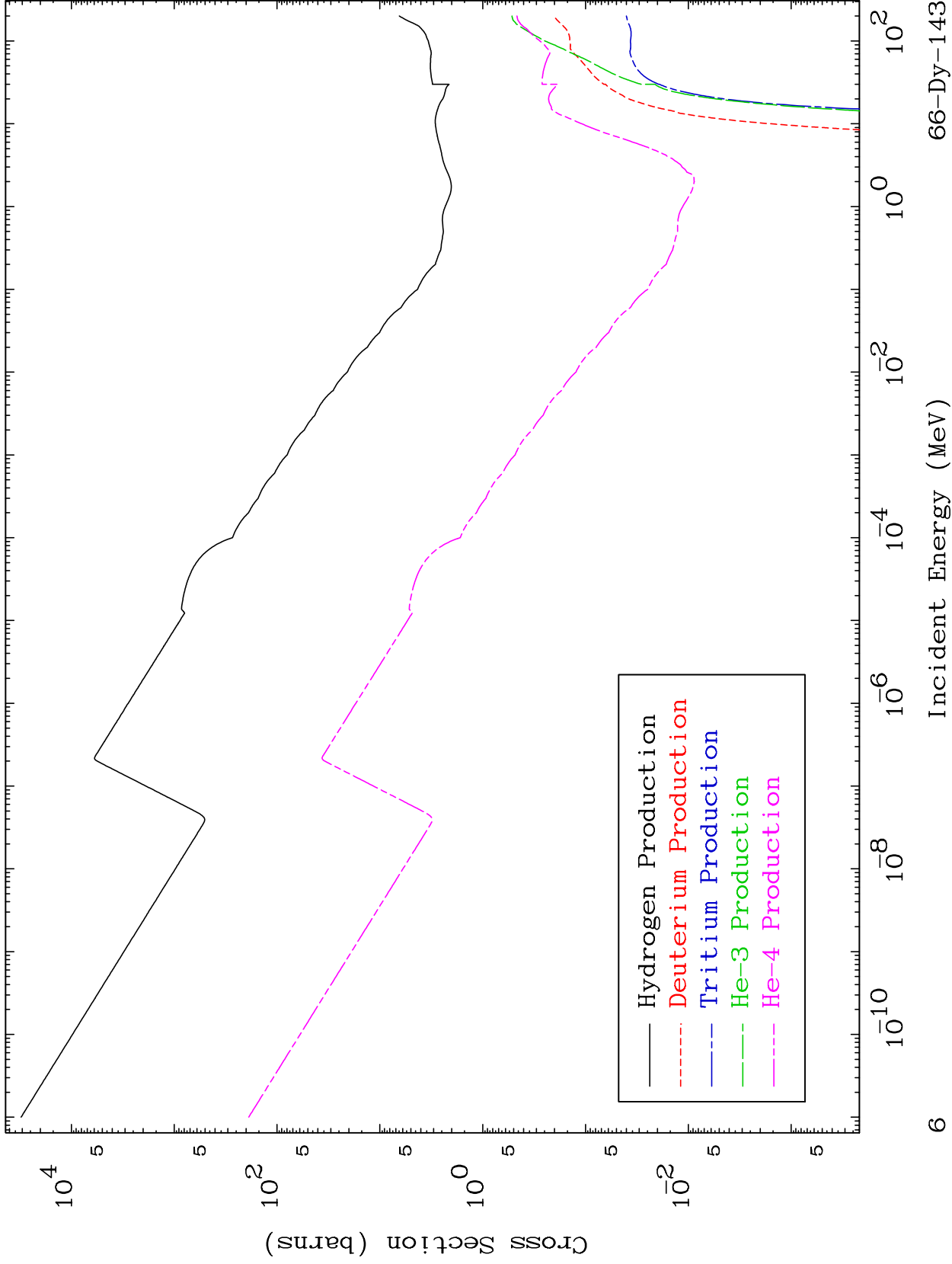
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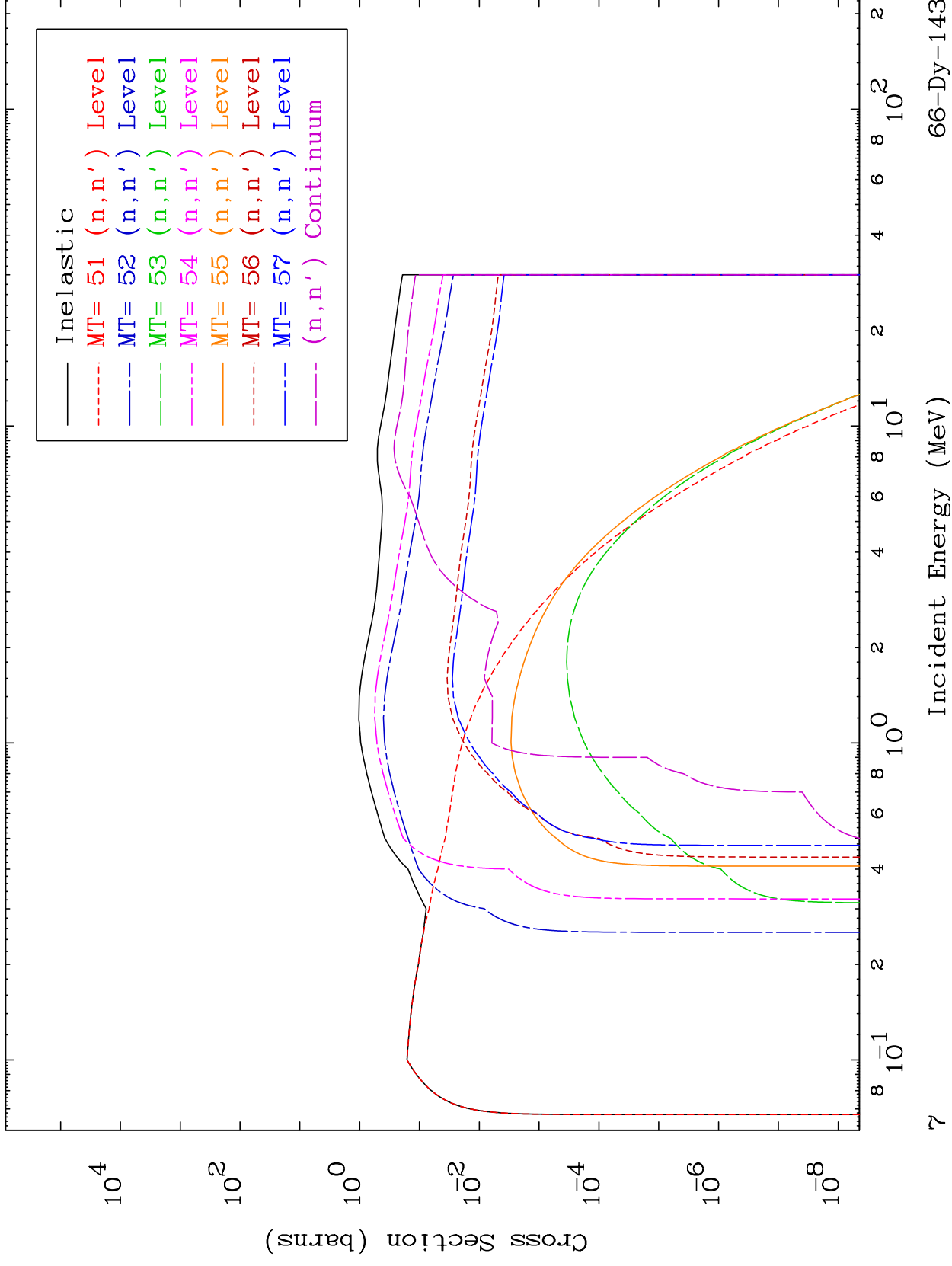
5

Incident Energy (MeV)

66-Dy-143



293 Kelvin Cross Sections

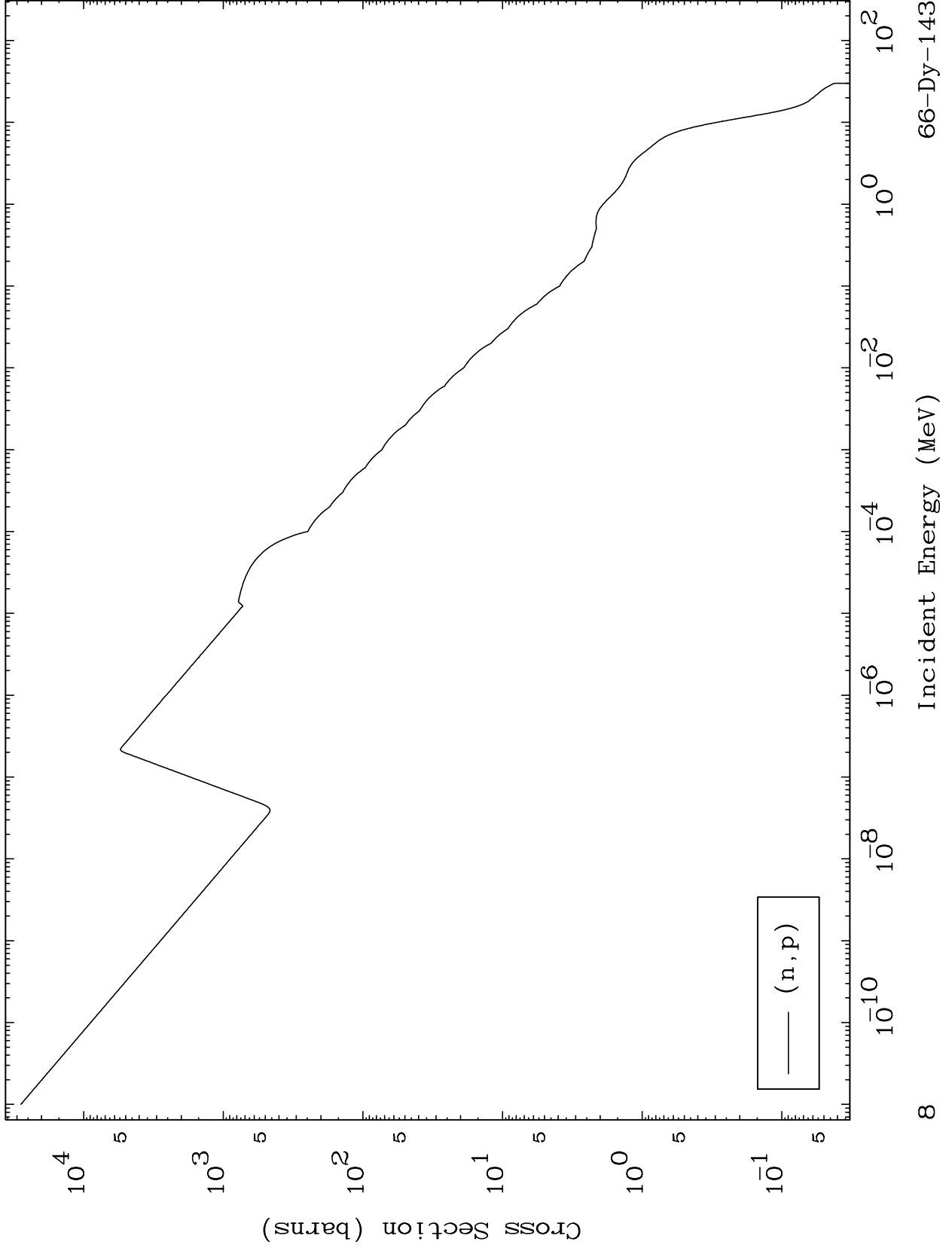




MAT 6586

(n,p) Levels  
293 Kelvin Cross Sections

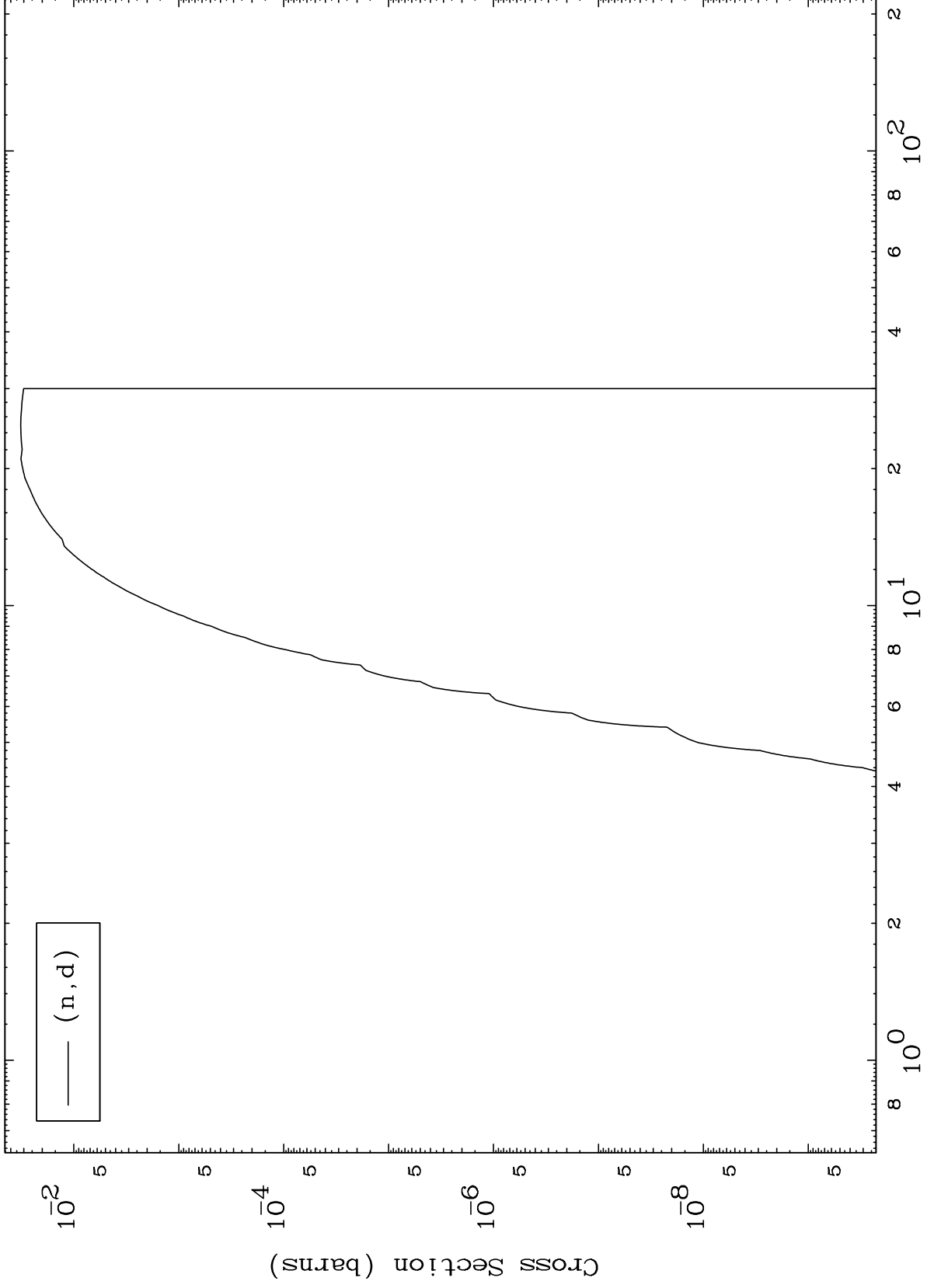
66-Dy-143



MAT 6586

(n,d) Levels  
293 Kelvin Cross Sections

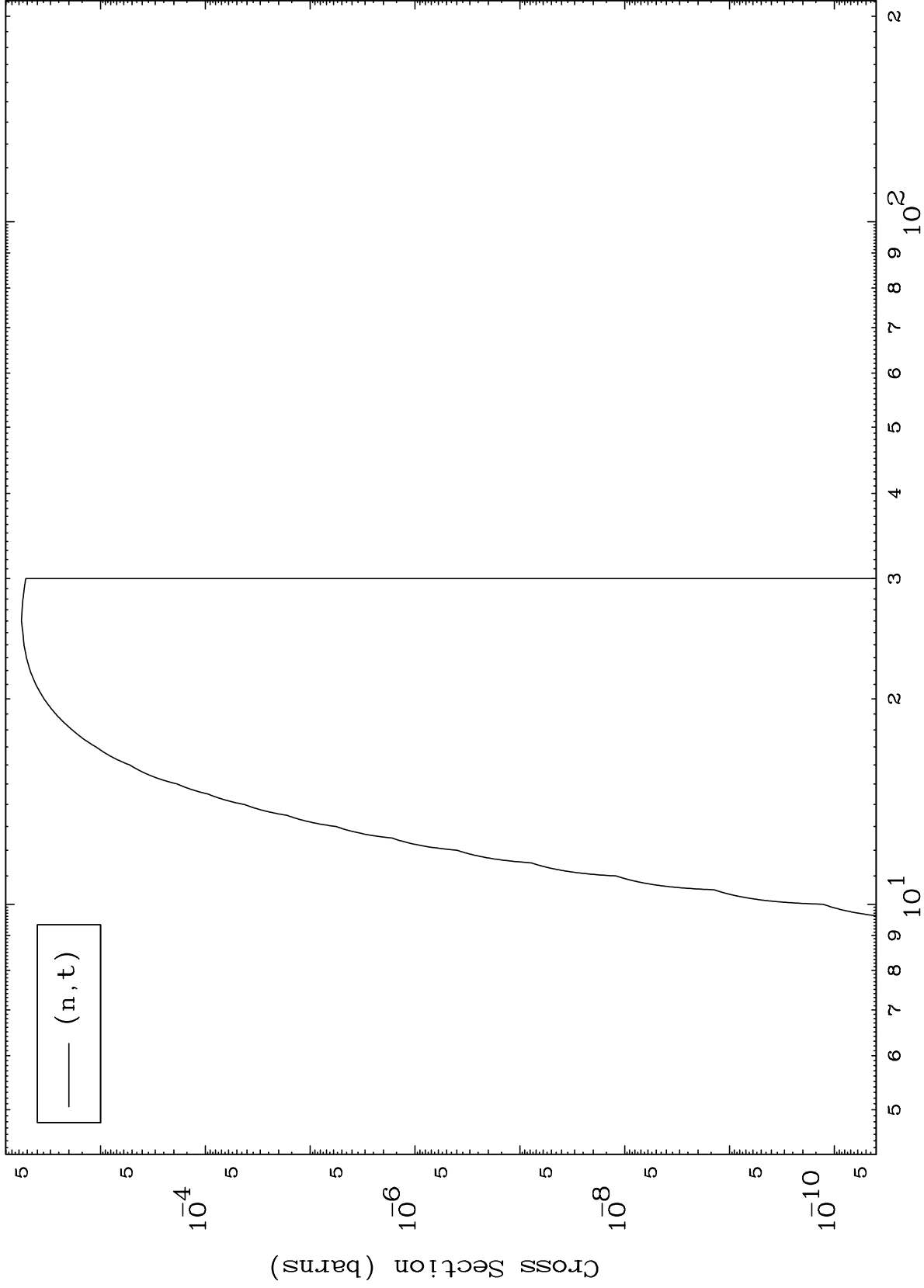
66-Dy-143



MAT 6586

(n,t) Levels  
293 Kelvin Cross Sections

66-Dy-143



10

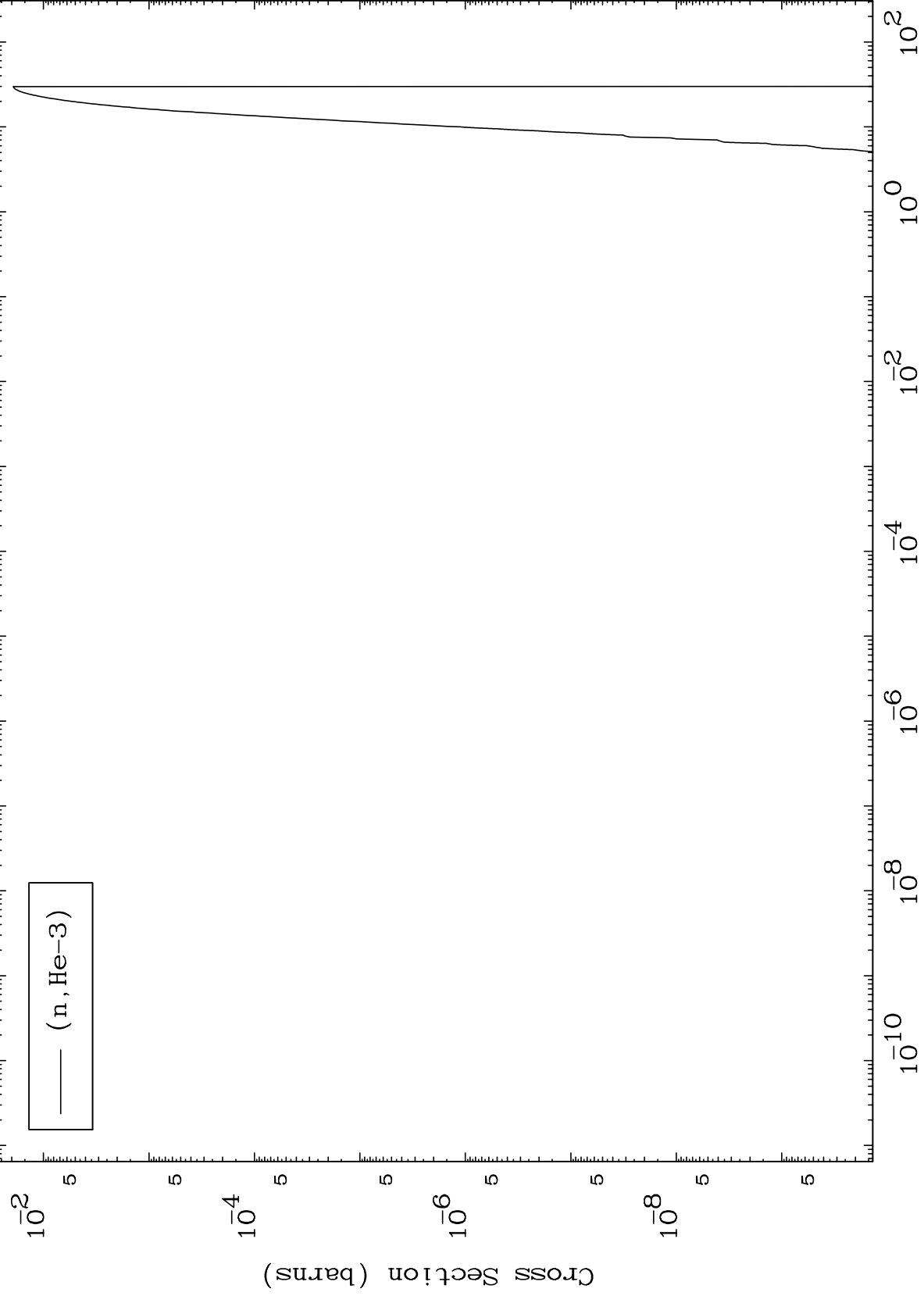
Incident Energy (MeV)

66-Dy-143

MAT 6586

(n,He3) Levels  
293 Kelvin Cross Sections

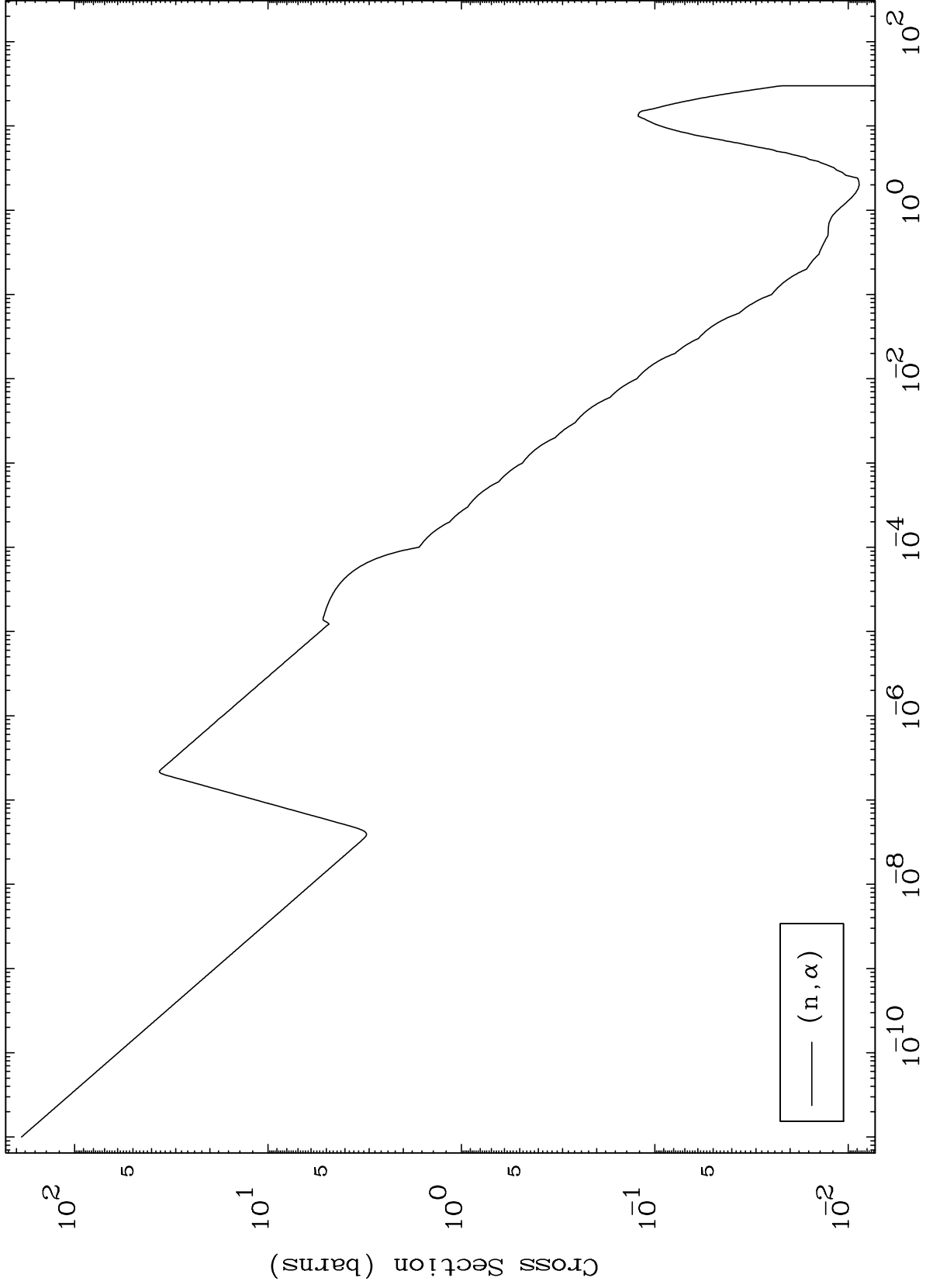
66-Dy-143



MAT 6586

(n,α) Levels  
293 Kelvin Cross Sections

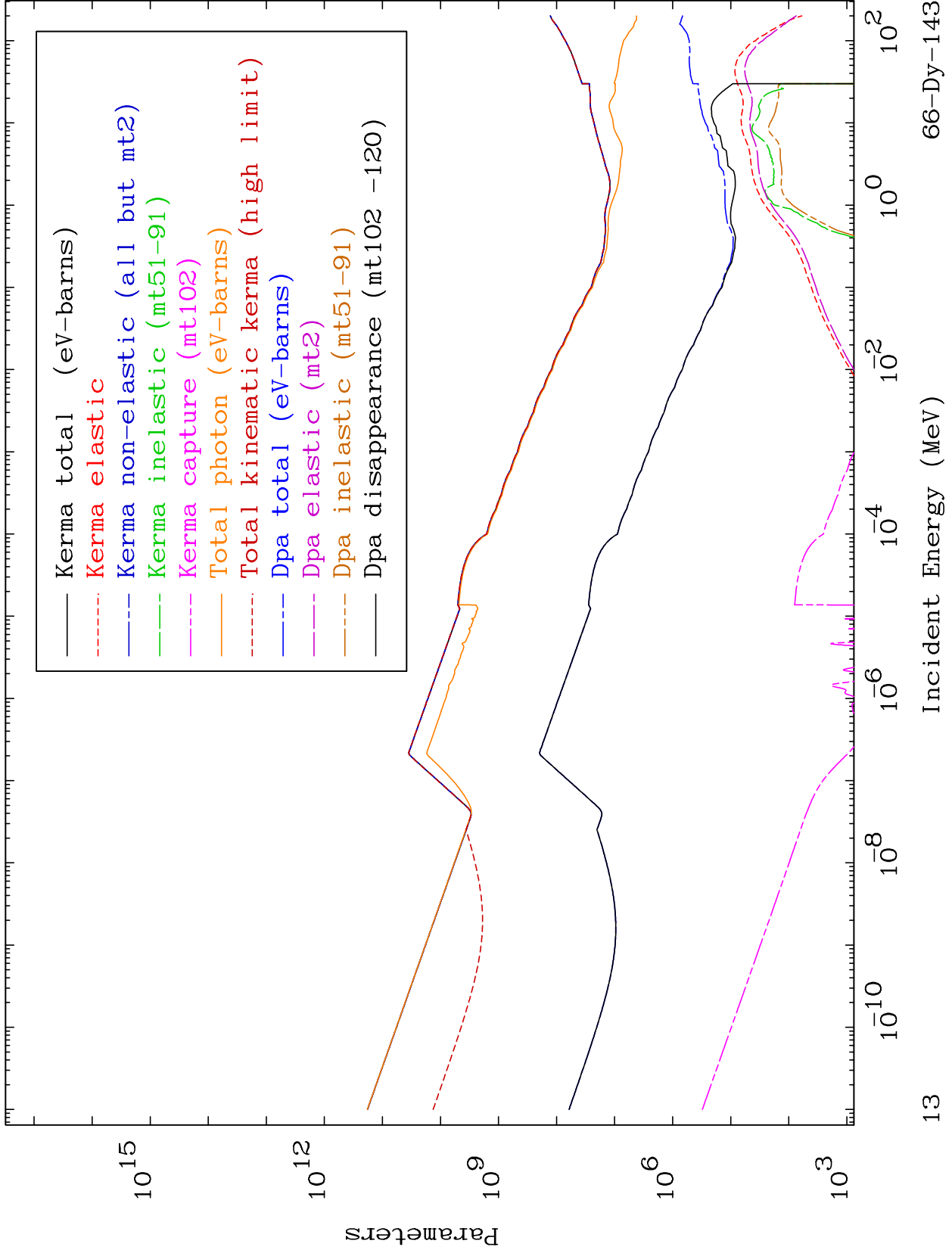
66-Dy-143



12

Incident Energy (MeV)

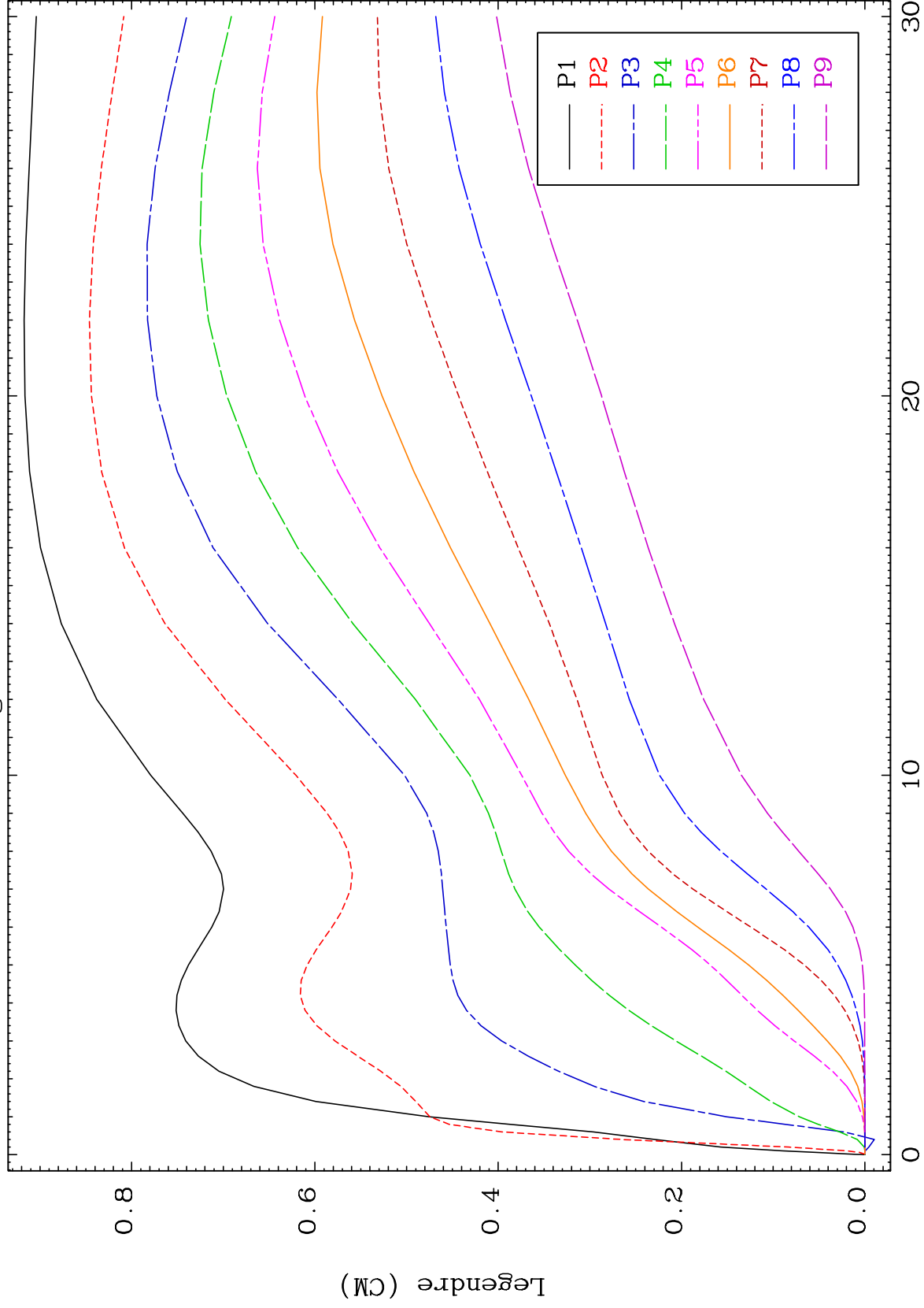
66-Dy-143



MAT 6586

Elastic Legendre Coefficients

66-Dy-143



14

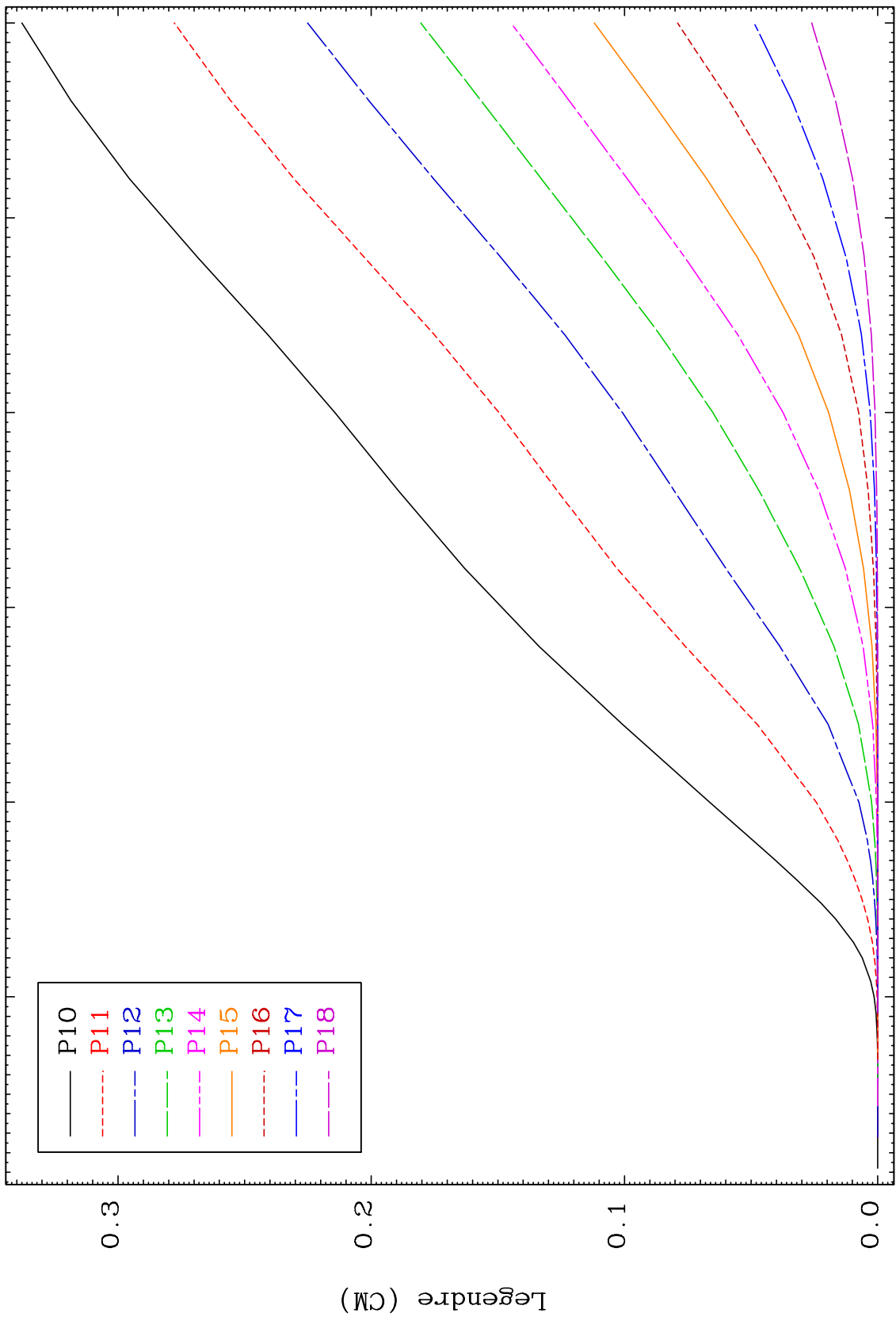
Incident Energy (MeV)

66-Dy-143

MAT 6586

Elastic Legendre Coefficients

66-Dy-143



15

Incident Energy (MeV)

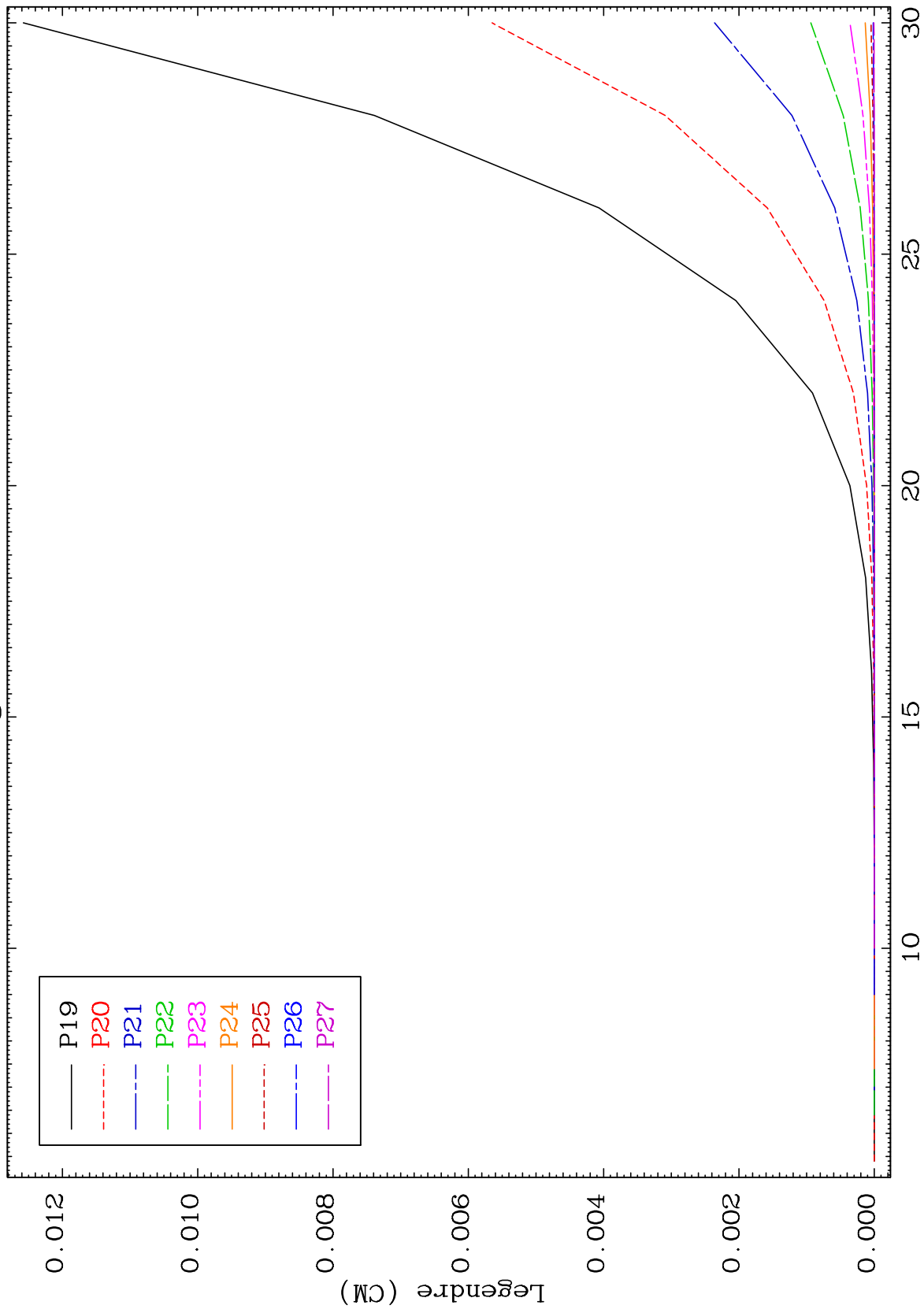
66-Dy-143



MAT 6586

### Elastic Legendre Coefficients

66-Dy-143



16

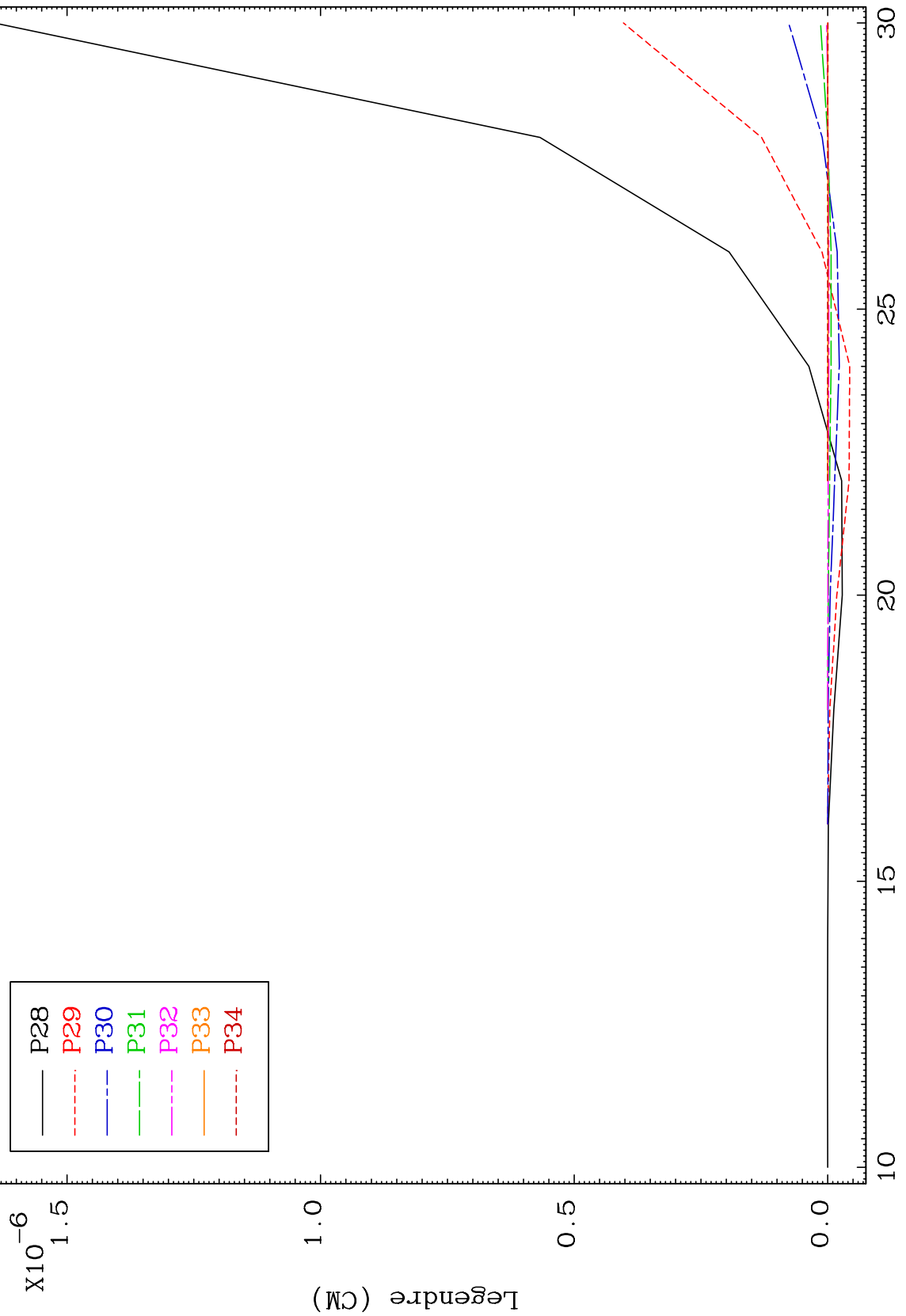
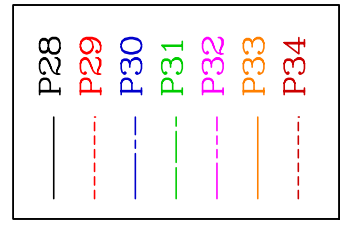
Incident Energy (MeV)

66-Dy-143

MAT 6586

Elastic Legendre Coefficients

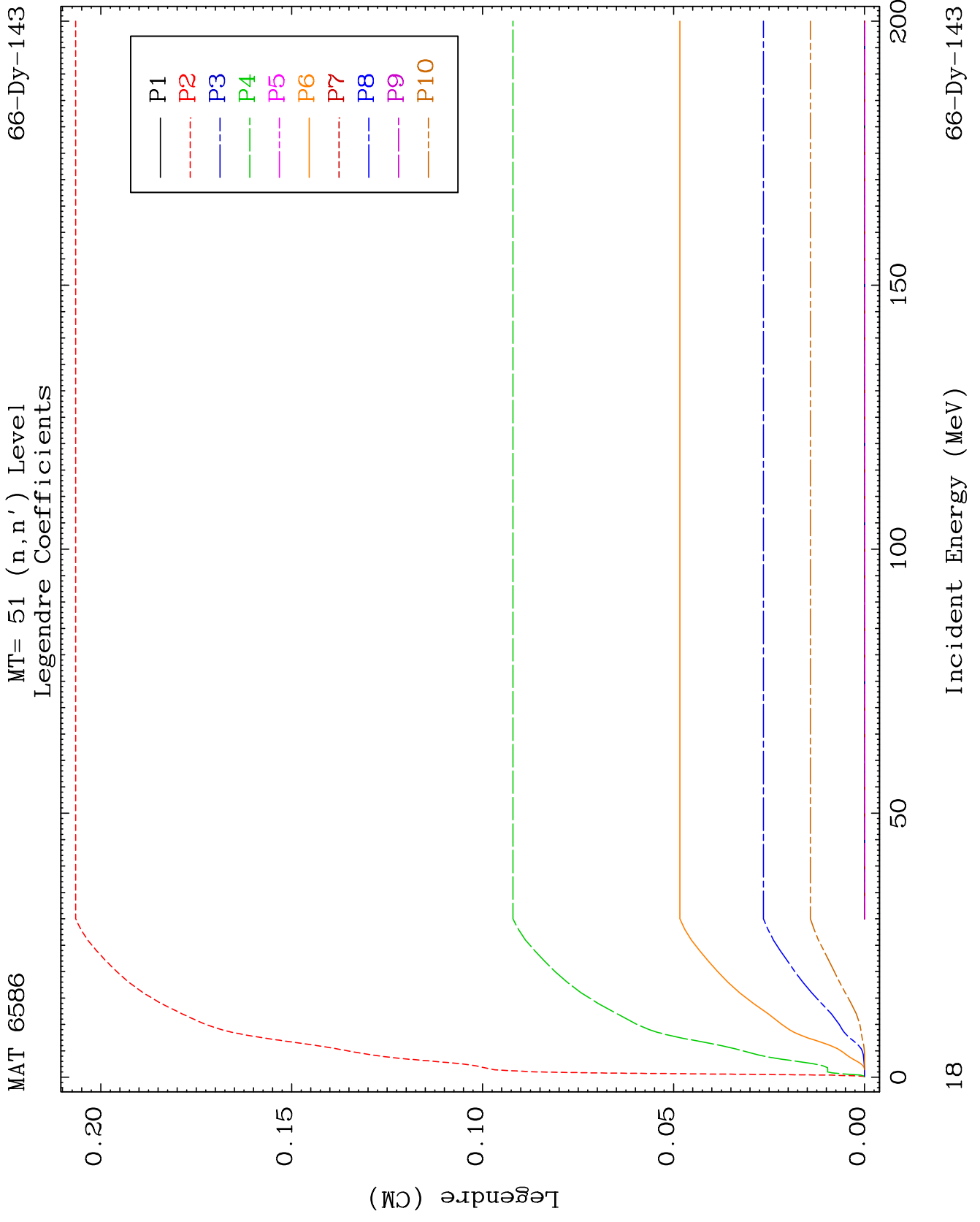
66-Dy-143



66-Dy-143

Incident Energy (MeV)

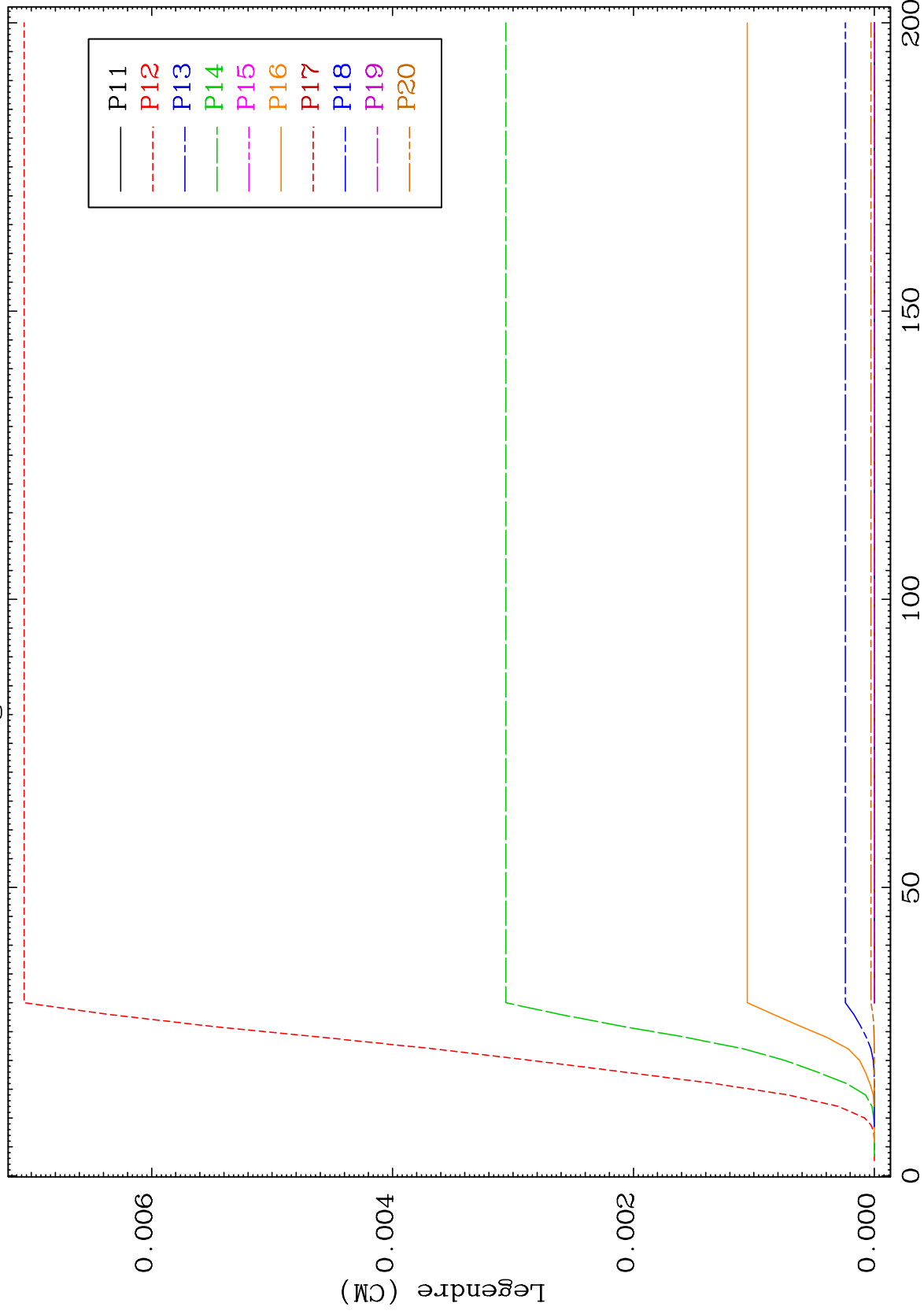
17



MAT 6586

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

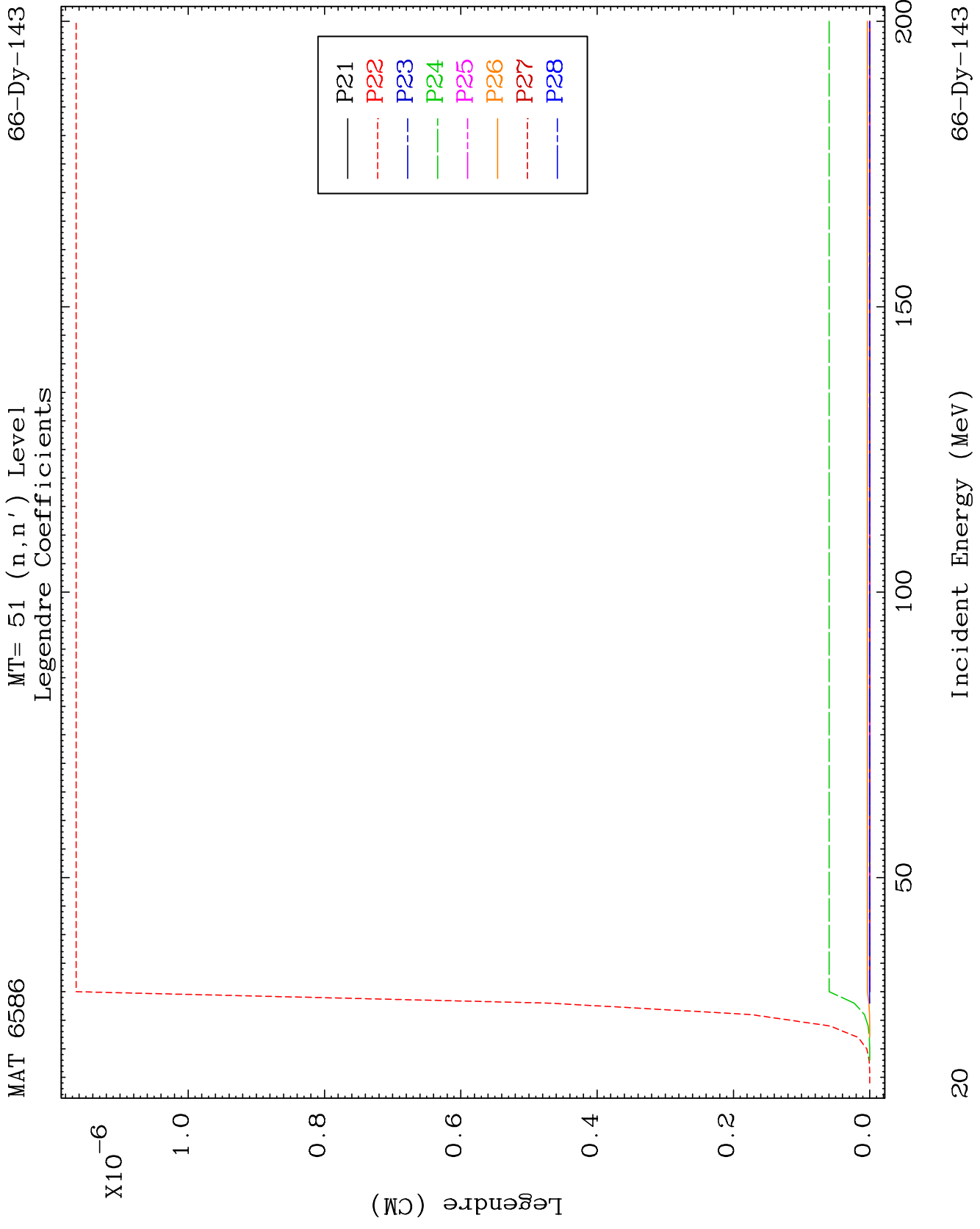
66-Dy-143



19

Incident Energy (MeV)

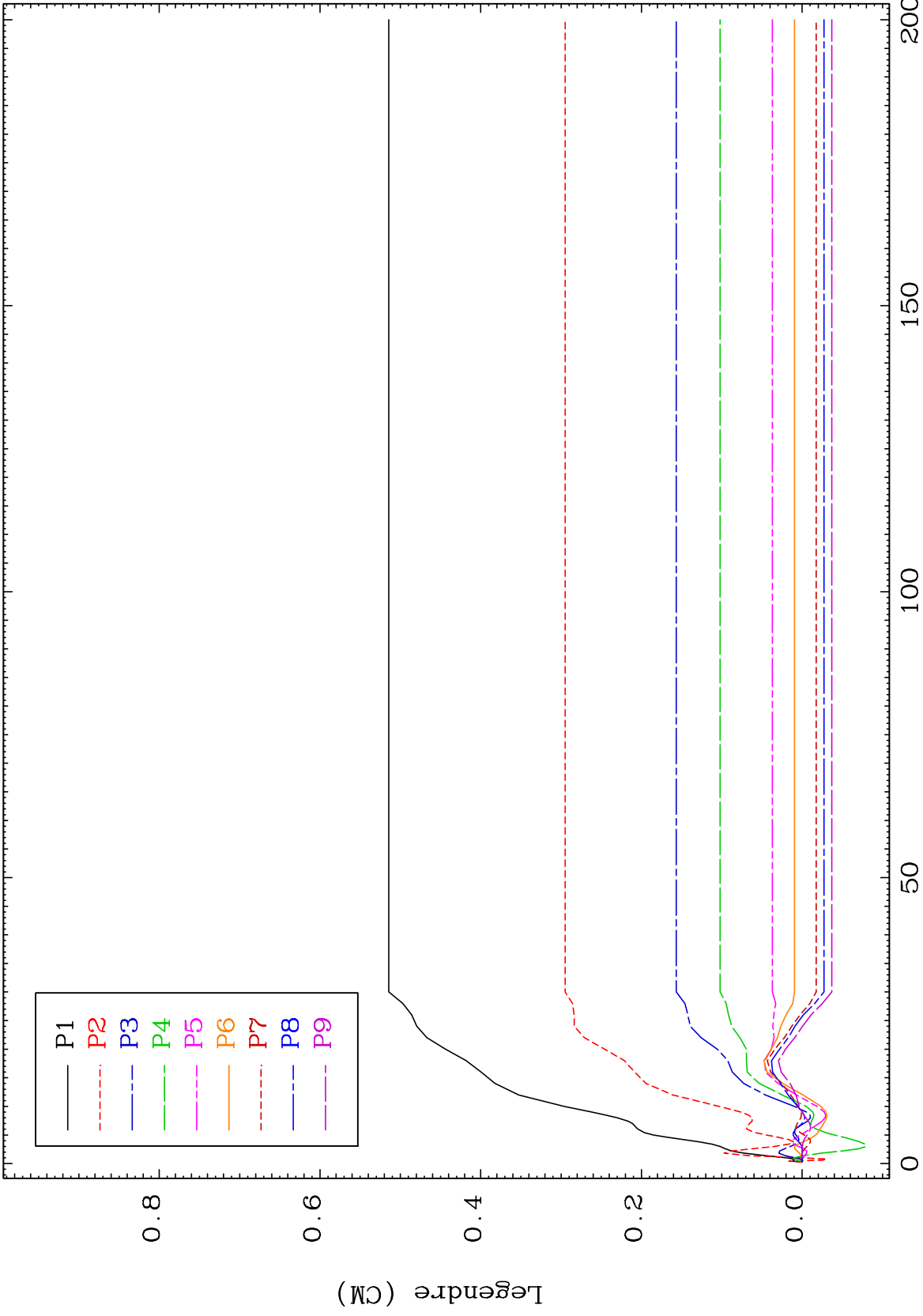
66-Dy-143



MAT 6586

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

66-Dy-143



21

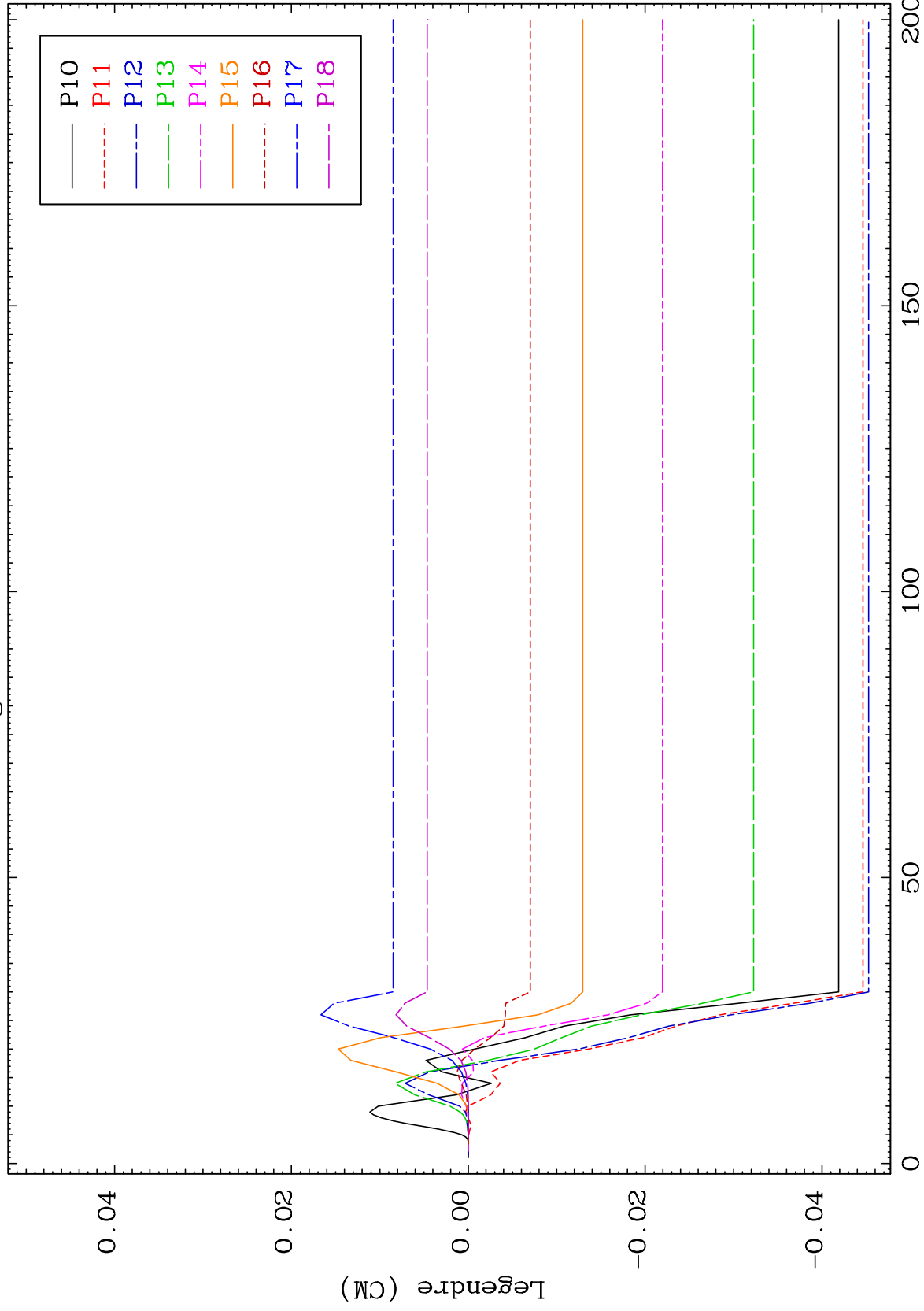
Incident Energy (MeV)

66-Dy-143

MAT 6586

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

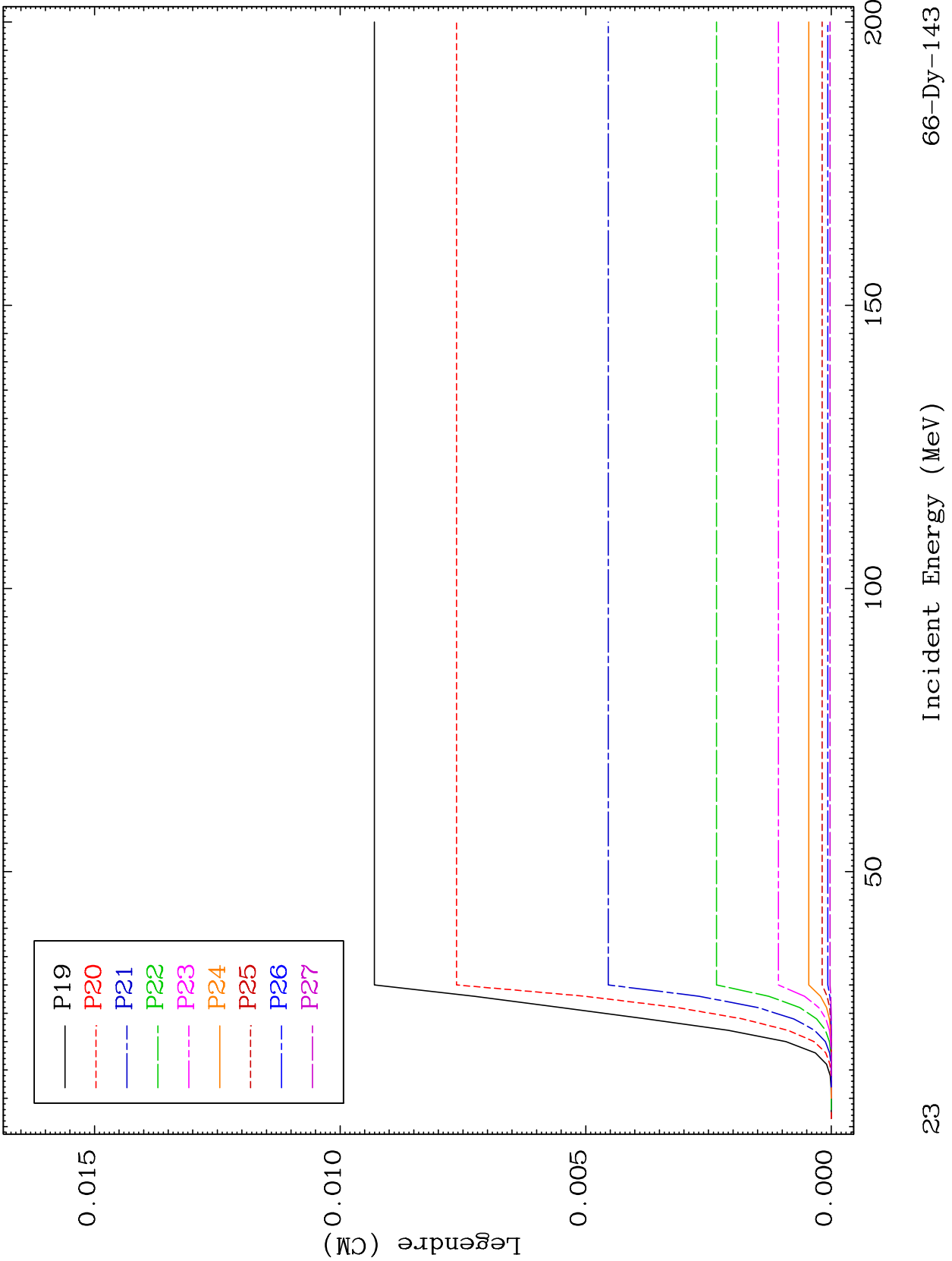
66-Dy-143



22

Incident Energy (MeV)

66-Dy-143

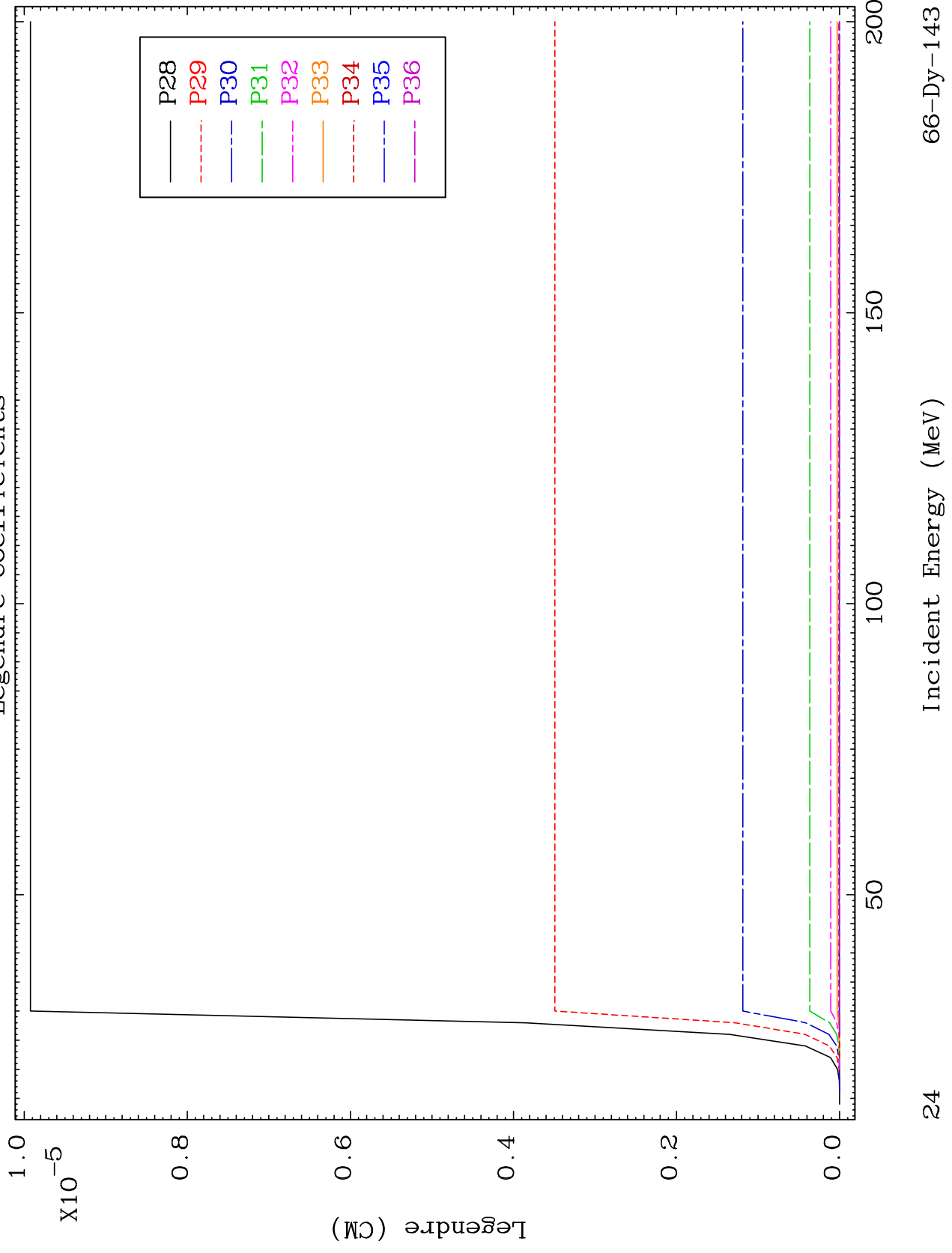




MAT 6586

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

66-Dy-143



24

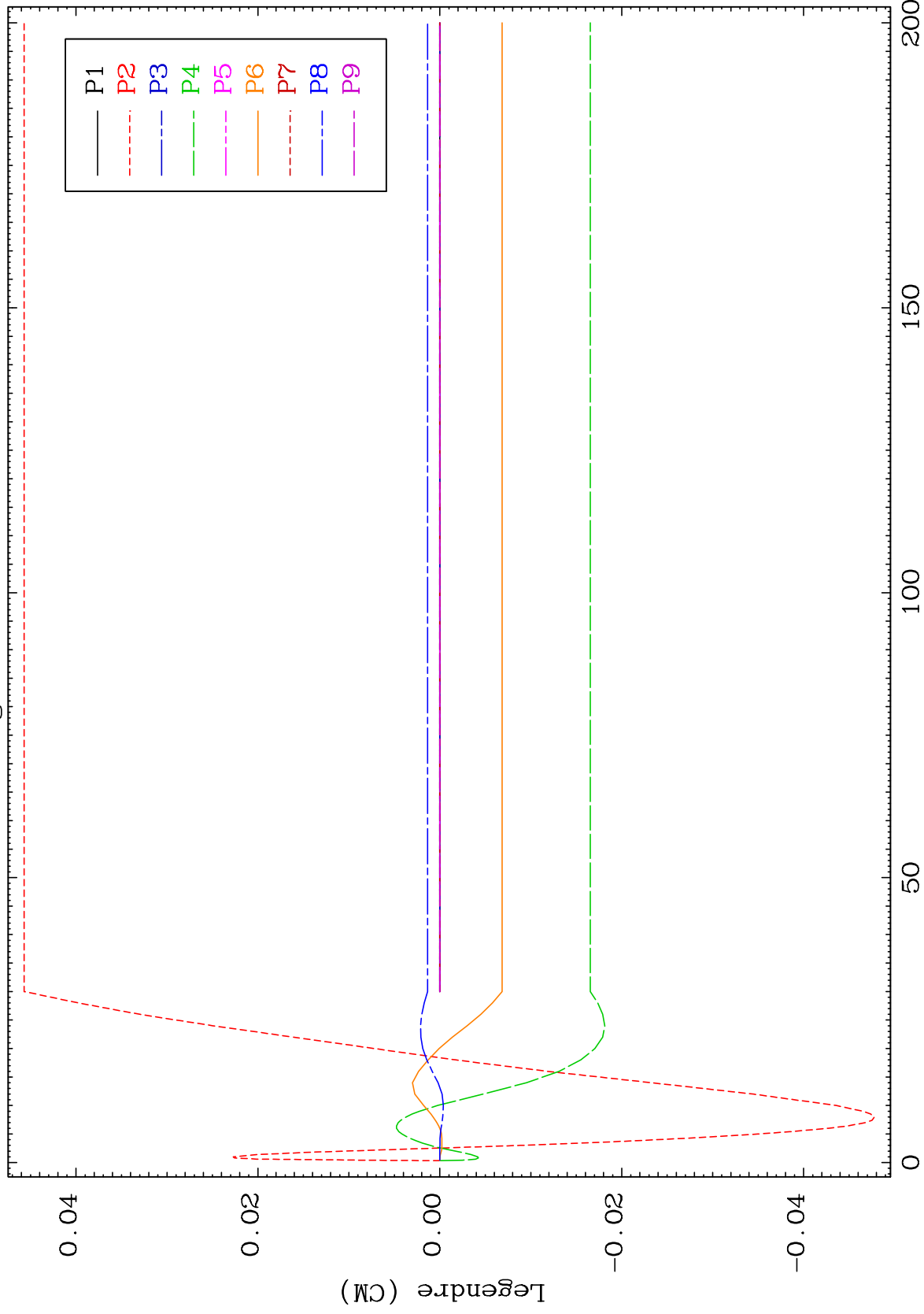
Incident Energy (MeV)

66-Dy-143

MAT 6586

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

66-Dy-143



25

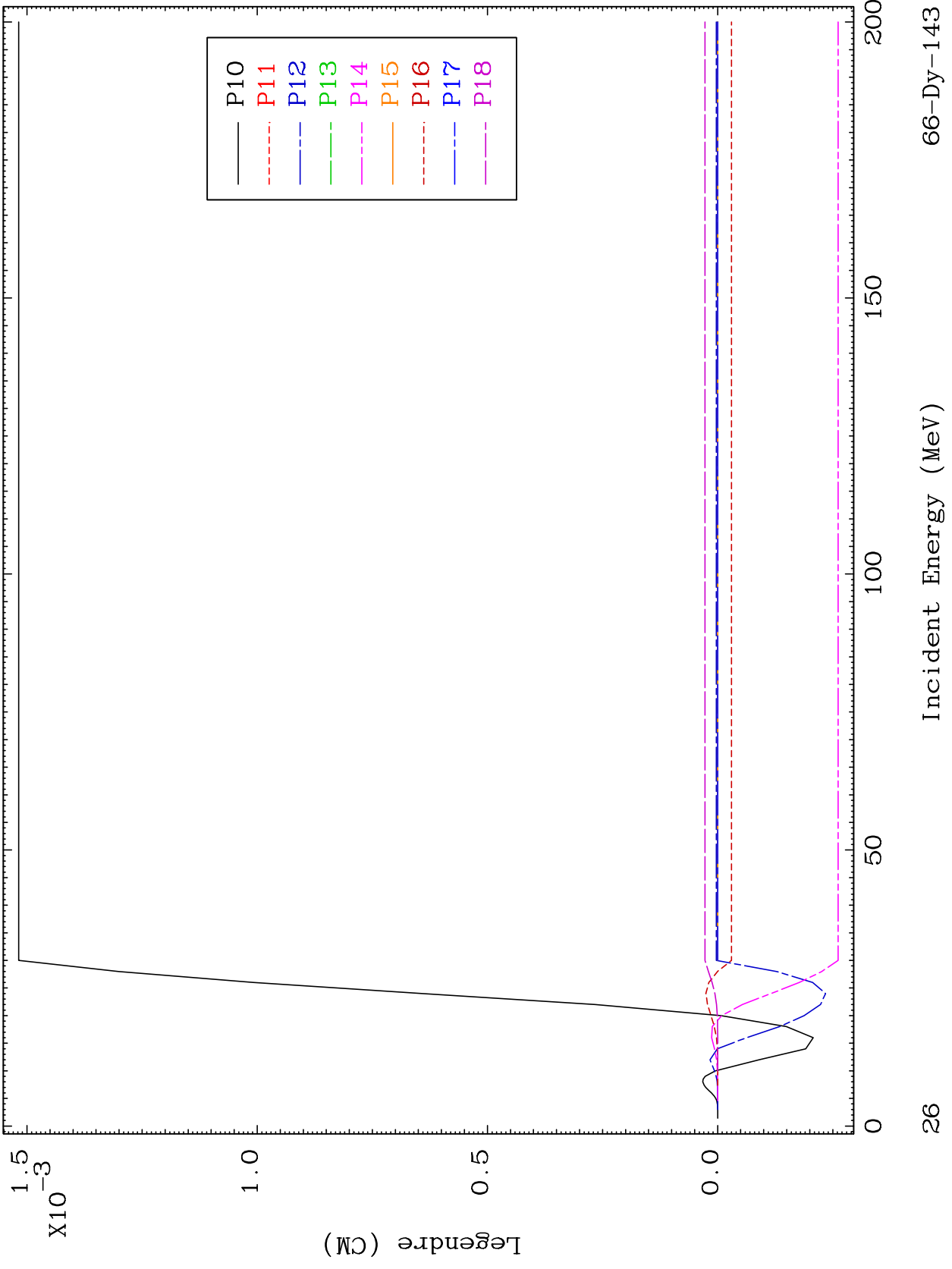
Incident Energy (MeV)

66-Dy-143

MAT 6586

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

66-Dy-143



26

Incident Energy (MeV)

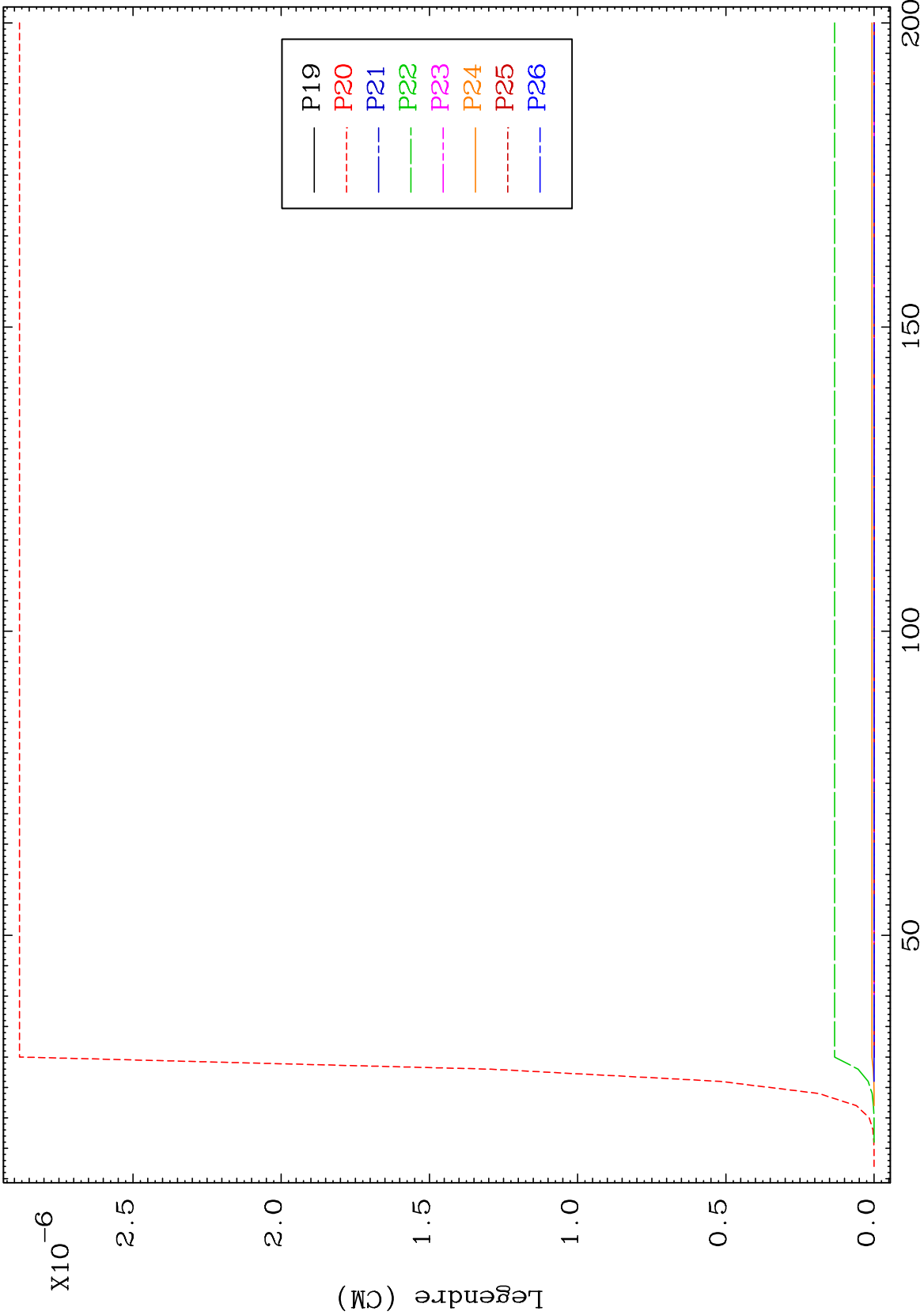
66-Dy-143

MAT 6586

MT= 53 (n,n') Level

66-Dy-143

Legendre Coefficients



66-Dy-143

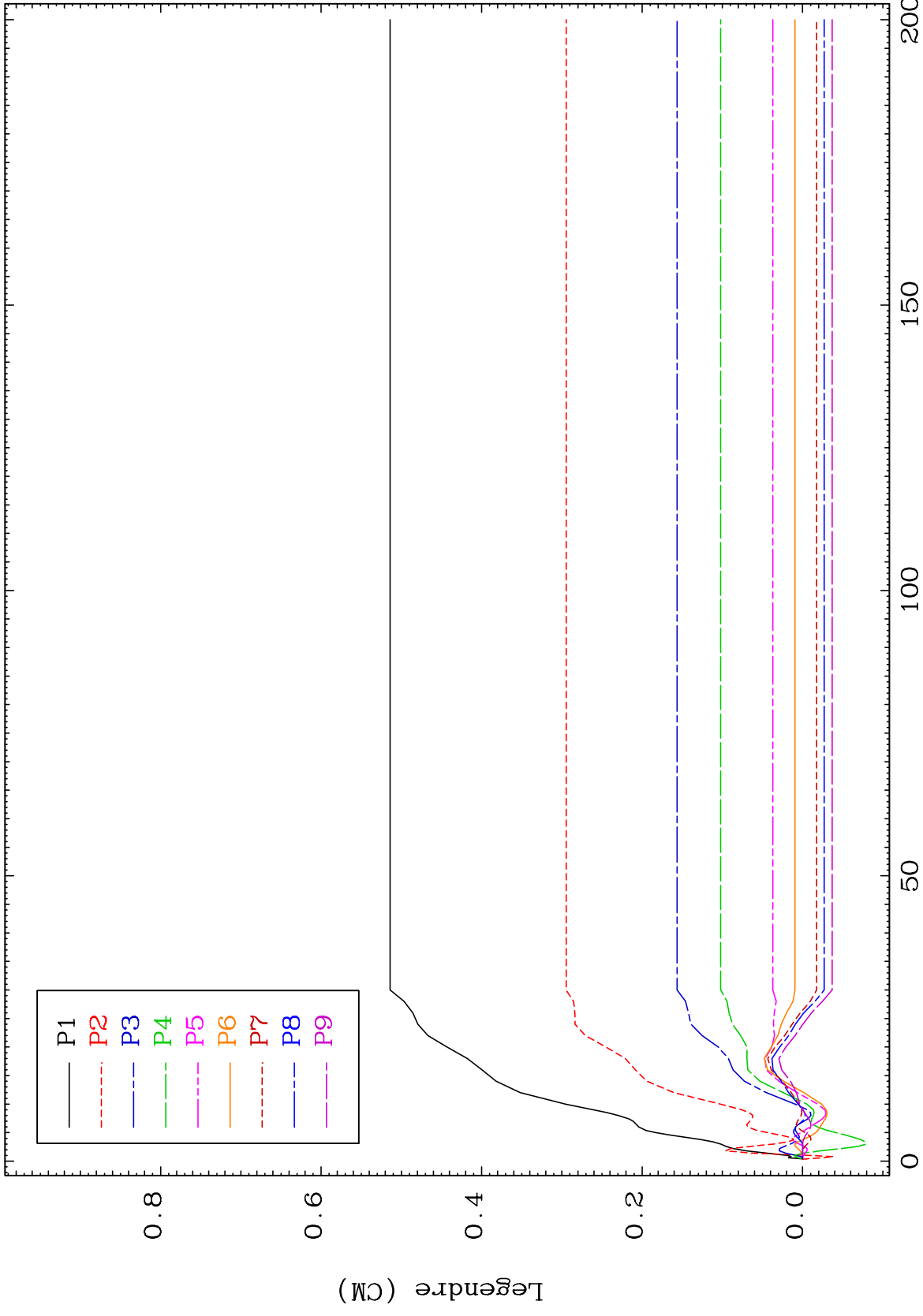
Incident Energy (MeV)

27

MAT 6586

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

66-Dy-143



28

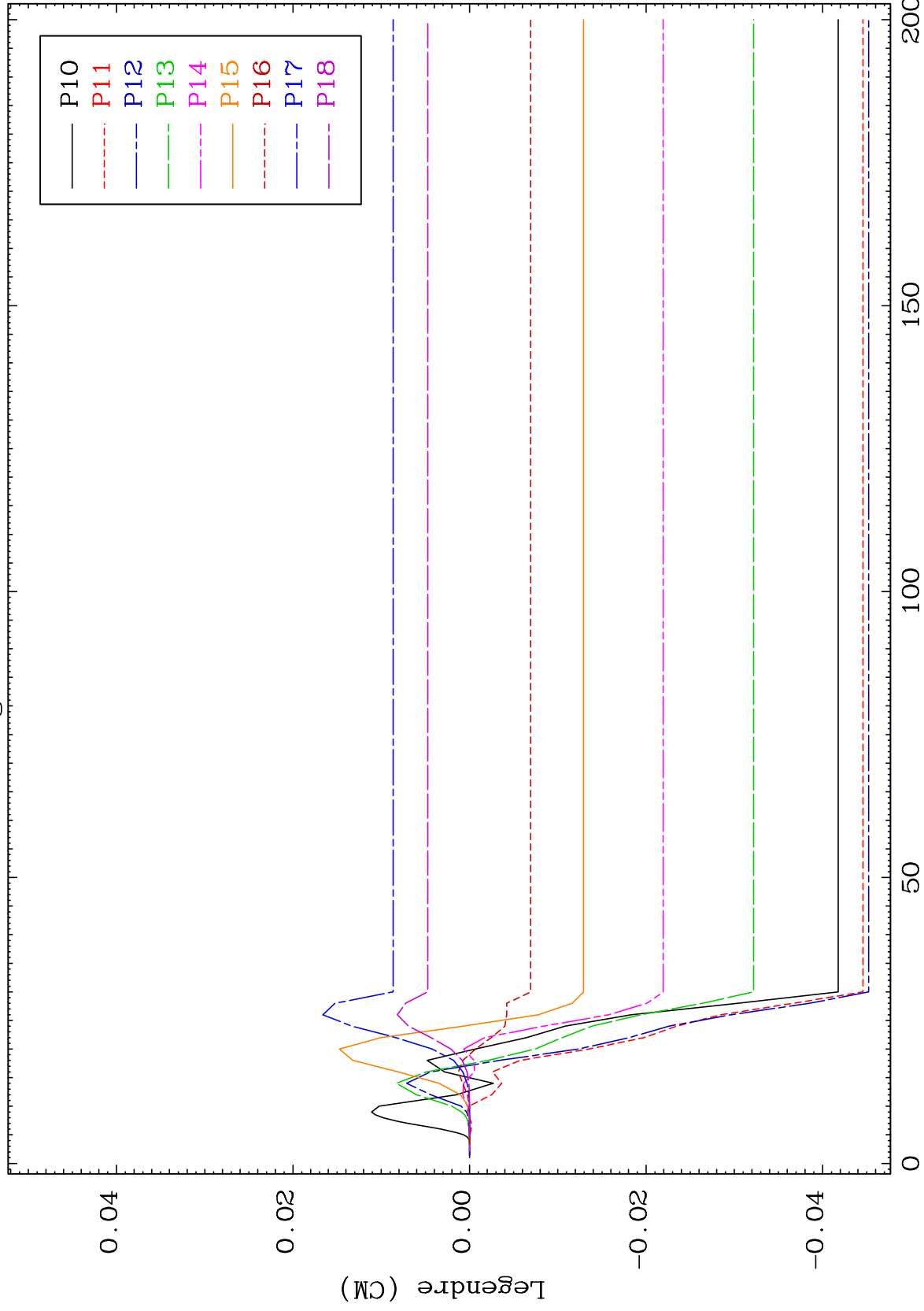
Incident Energy (MeV)

66-Dy-143

MAT 6586

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

66-Dy-143



29

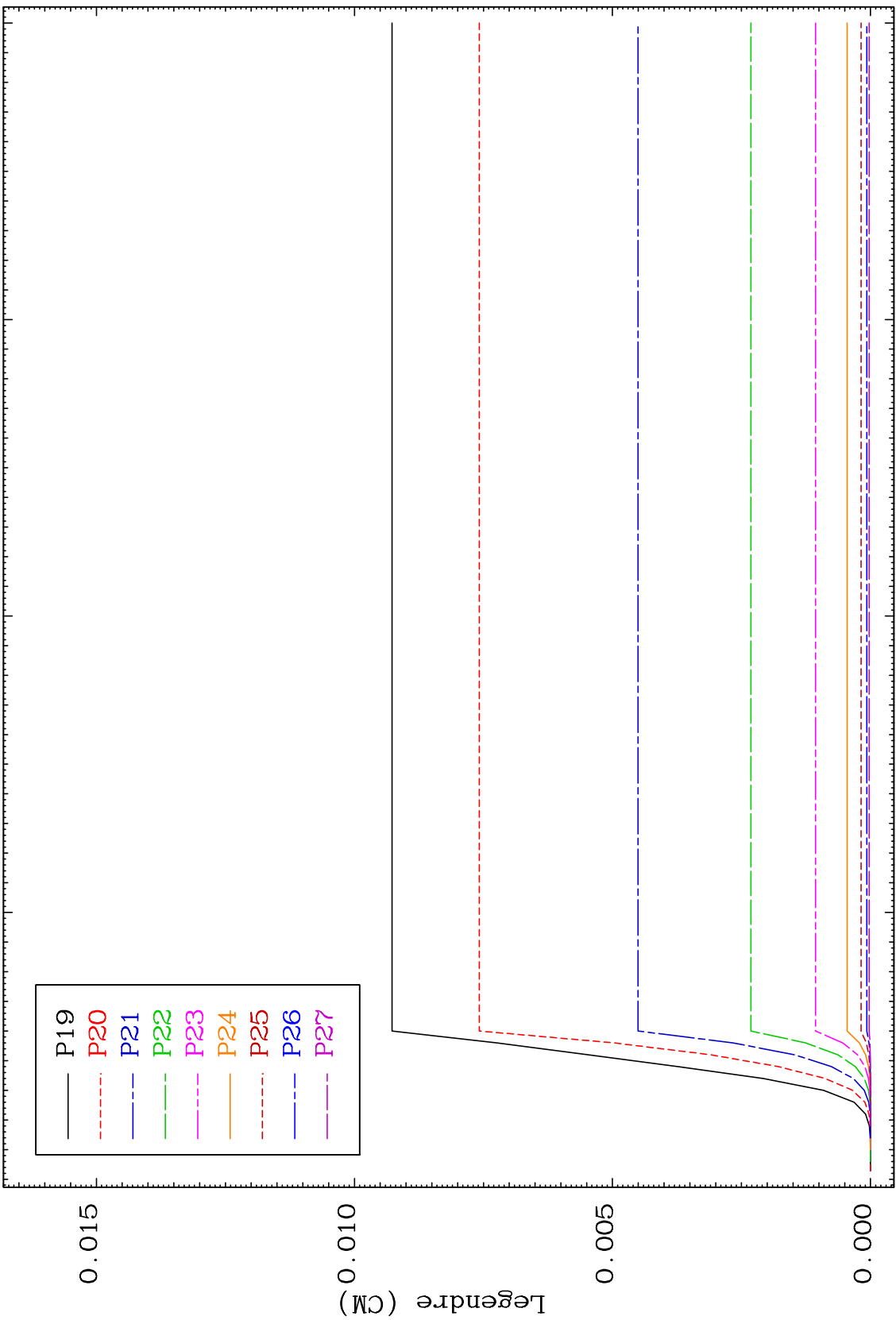
Incident Energy (MeV)

66-Dy-143

MAT 6586

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

66-Dy-143



30

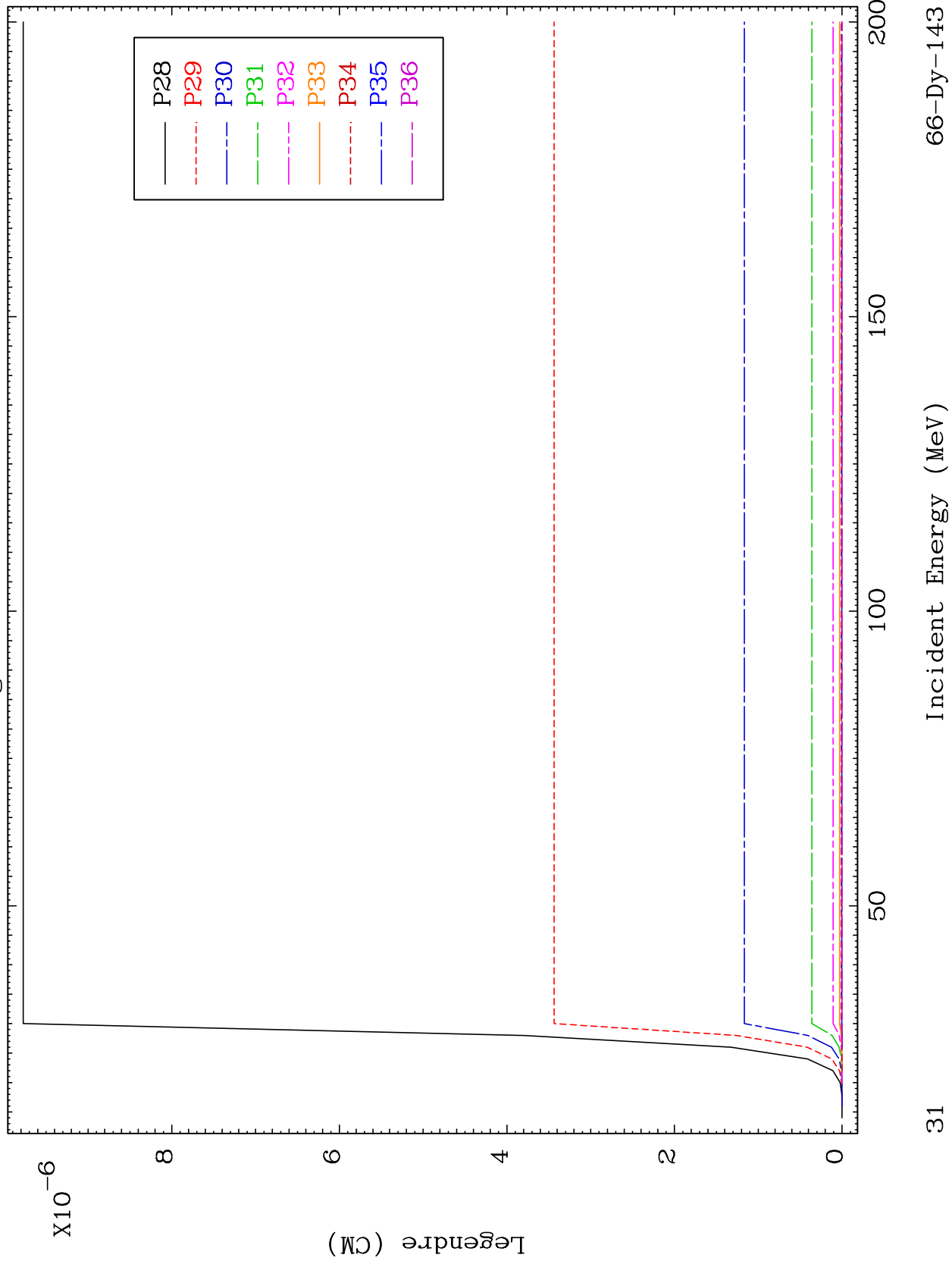
Incident Energy (MeV)

66-Dy-143

MAT 6586

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

66-Dy-143

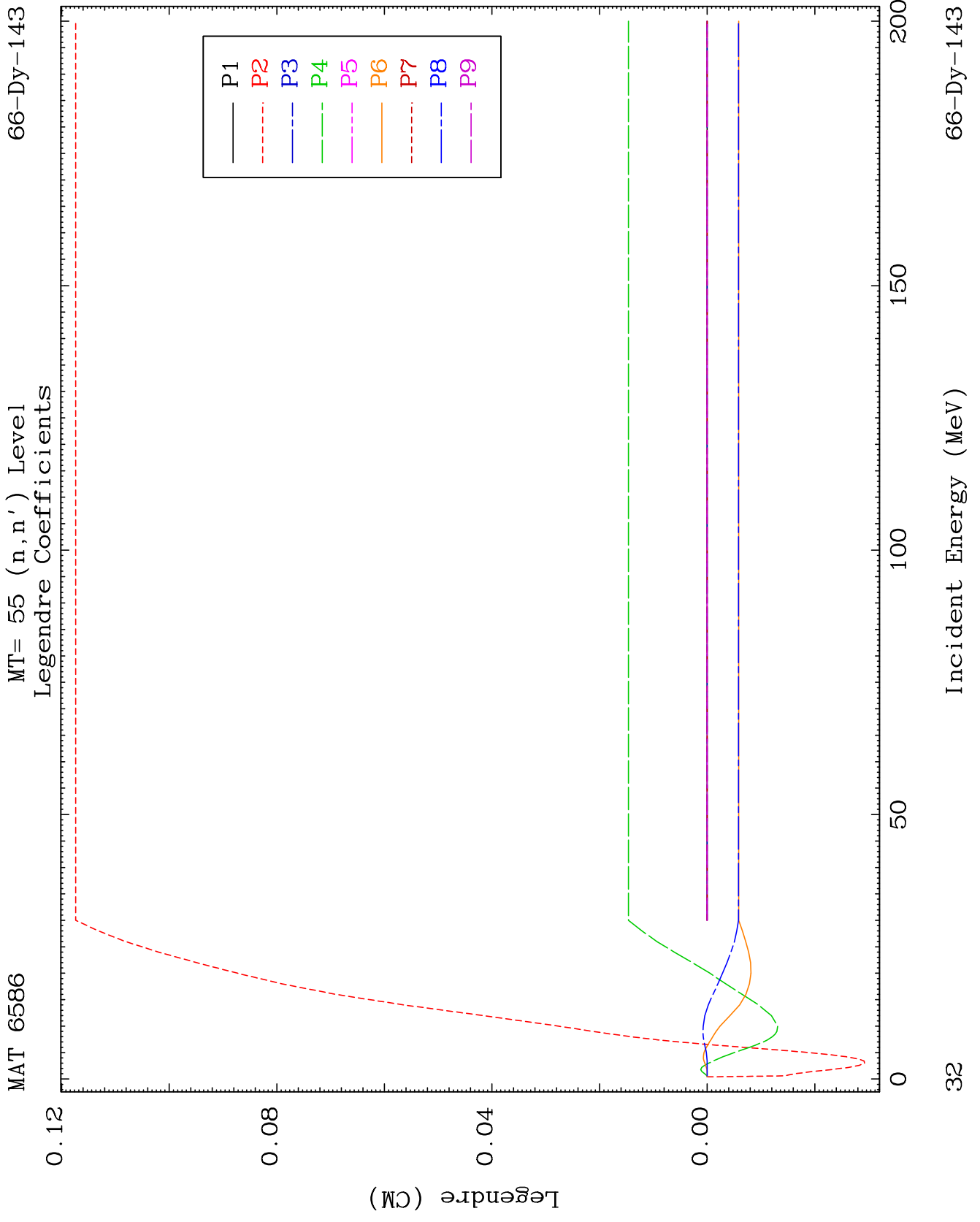


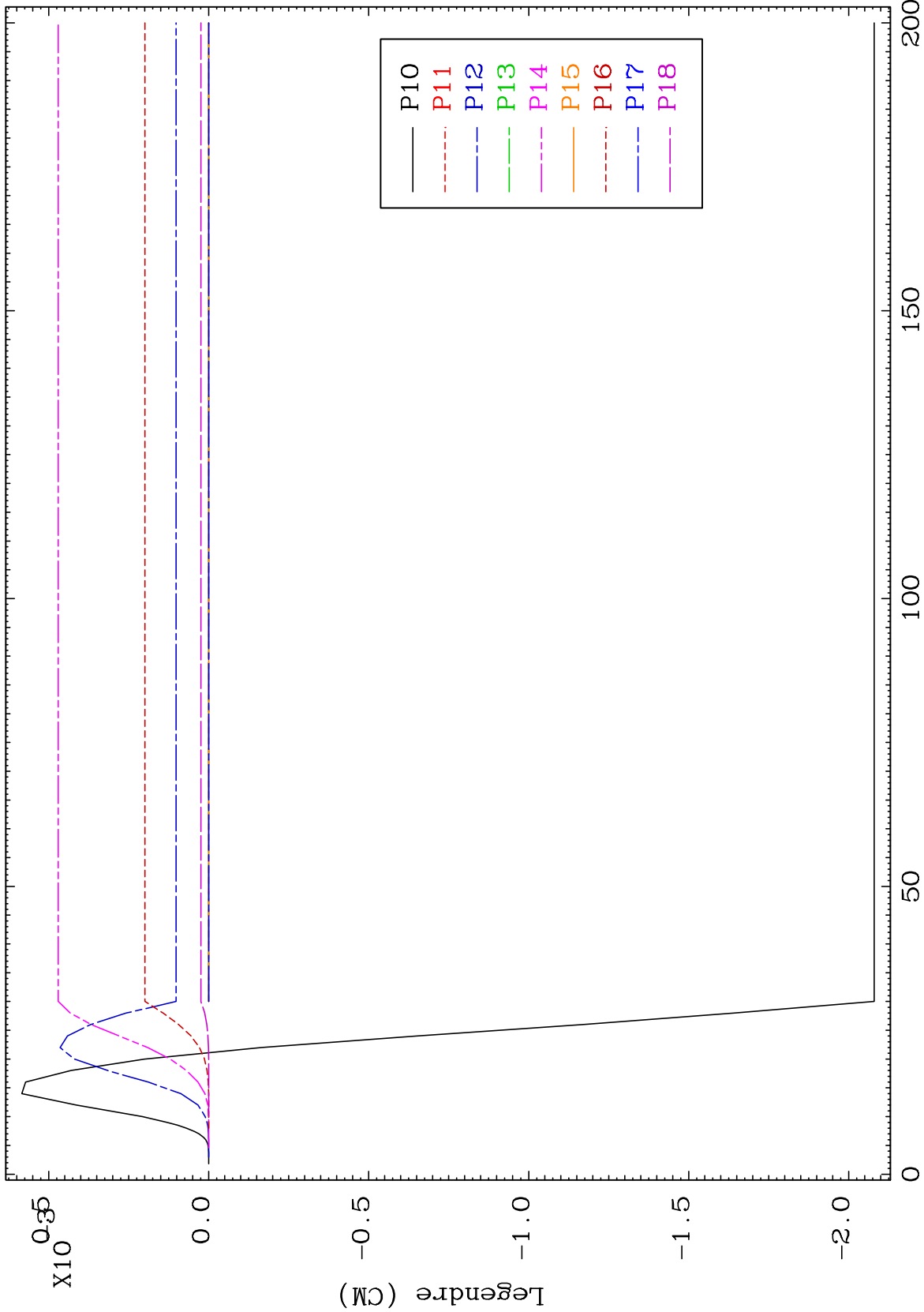
31

Incident Energy (MeV)

66-Dy-143



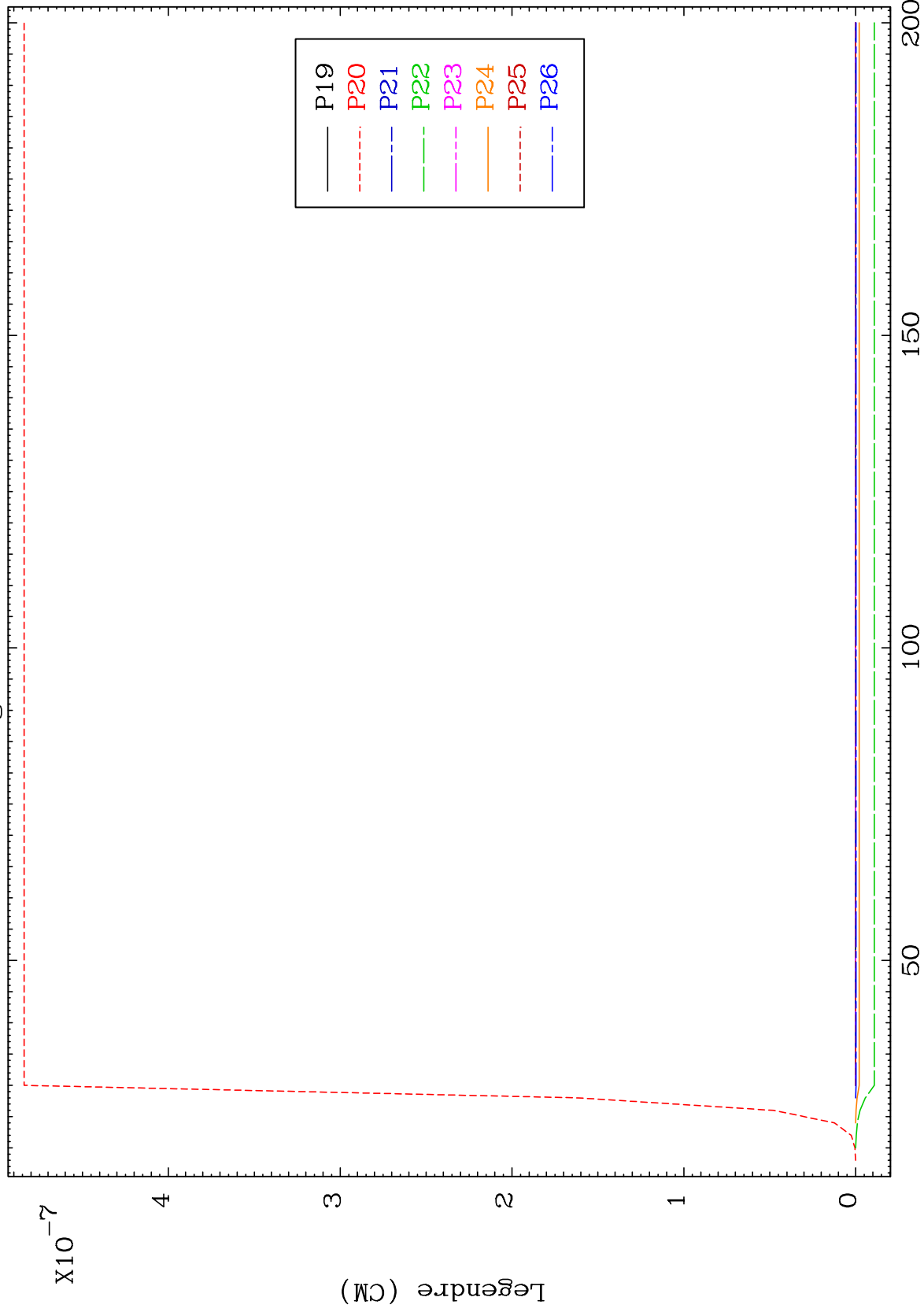




MAT 6586

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

66-Dy-143



34

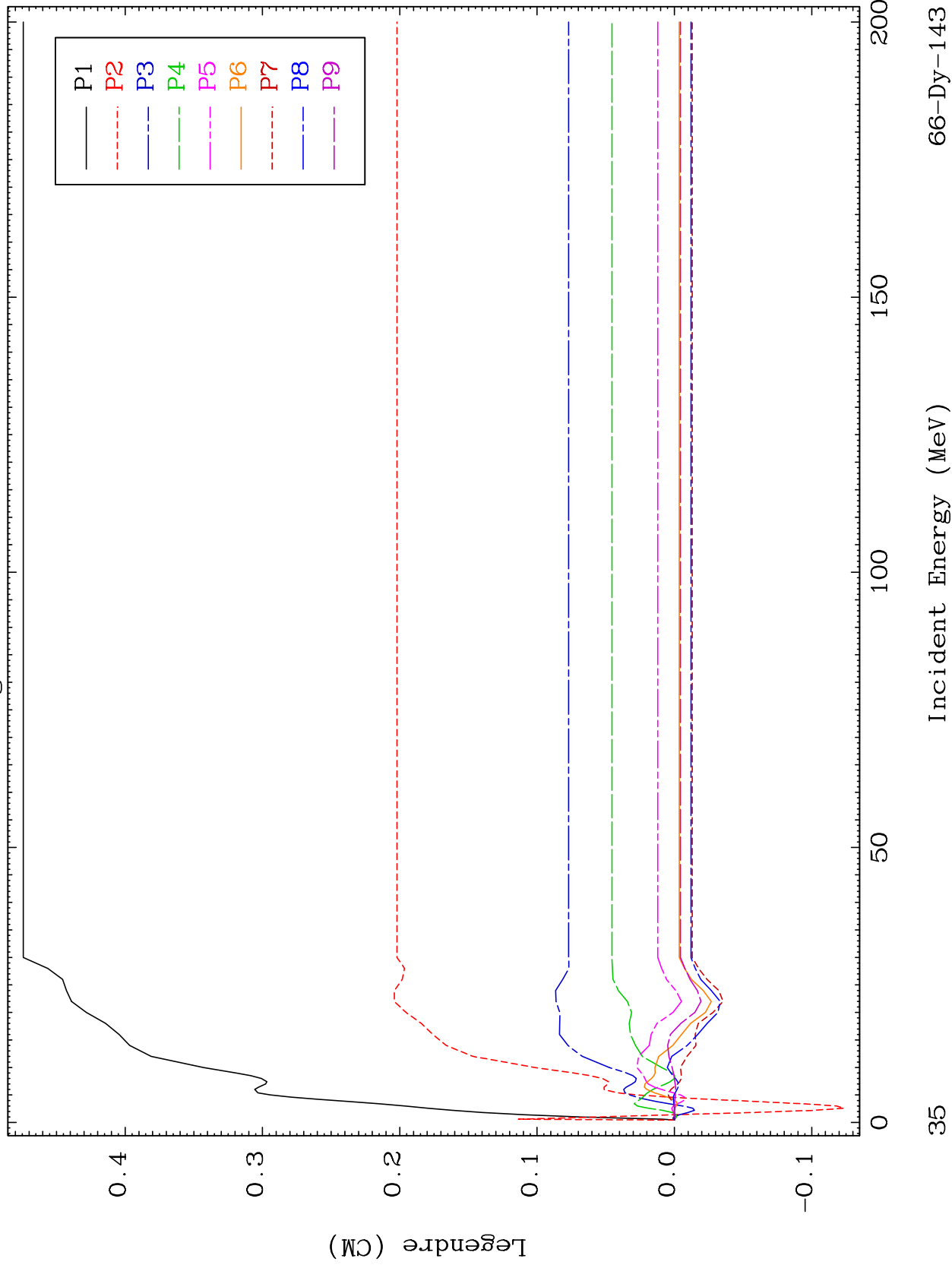
Incident Energy (MeV)

66-Dy-143

MAT 6586

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

66-Dy-143



66-Dy-143

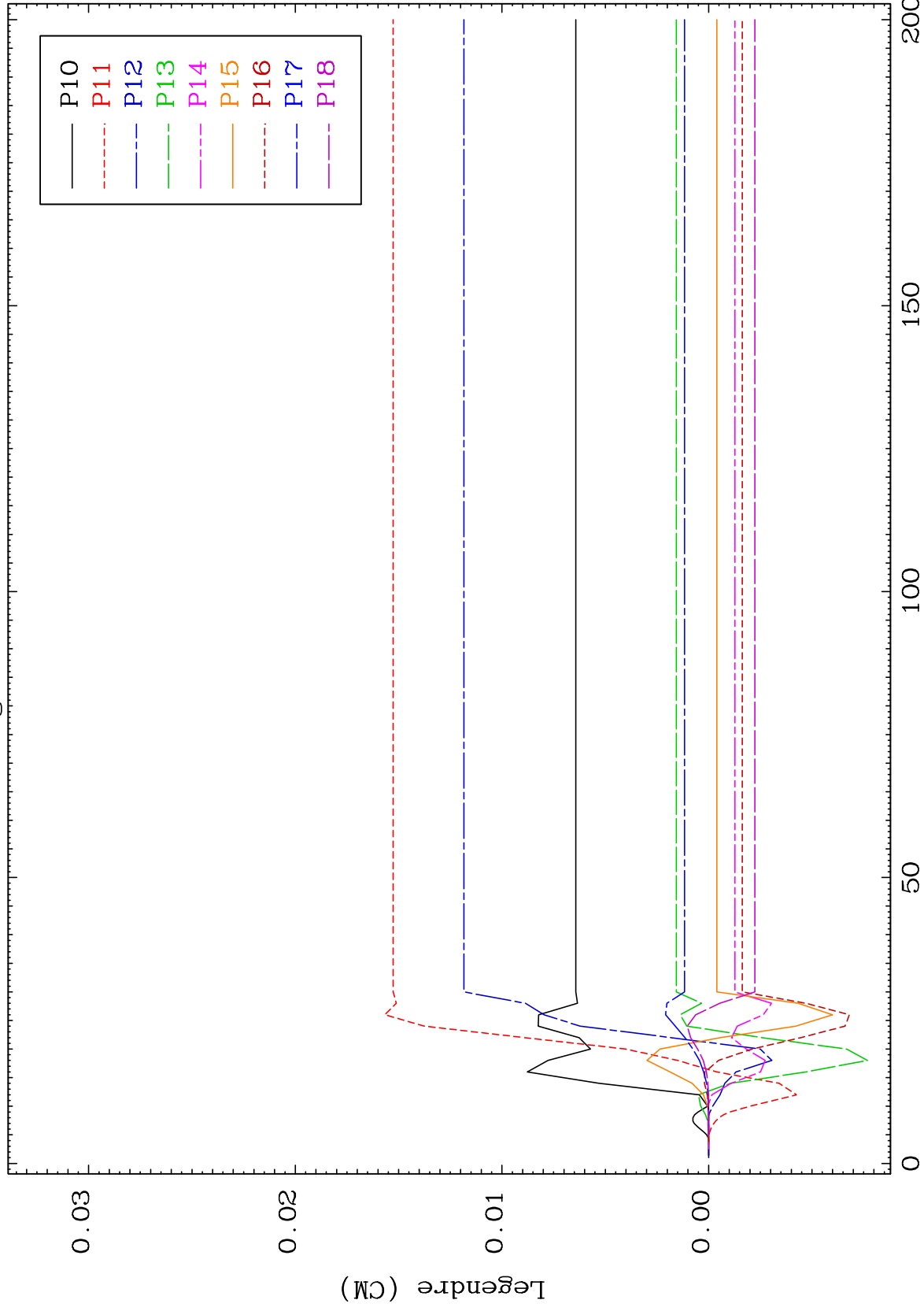
Incident Energy (MeV)

35

MAT 6586

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

66-Dy-143



36

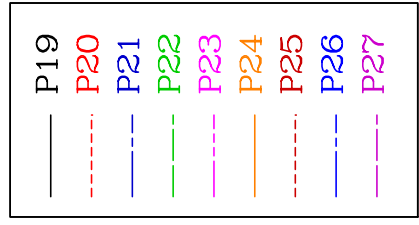
Incident Energy (MeV)

66-Dy-143

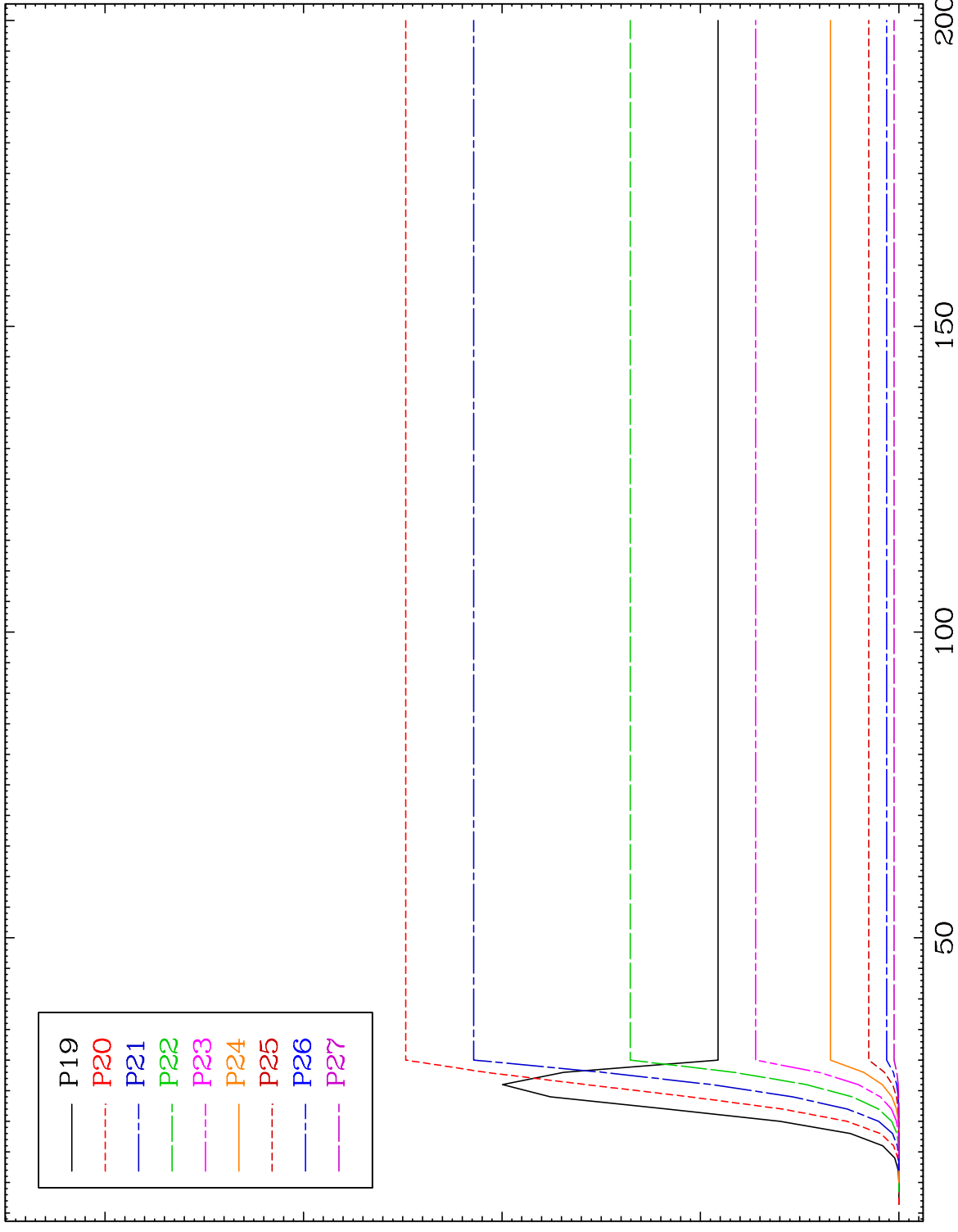
MAT 6586

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

66-Dy-143



$\times 10^{-3}$   
2.0  
1.5  
1.0  
0.5  
0.0



37

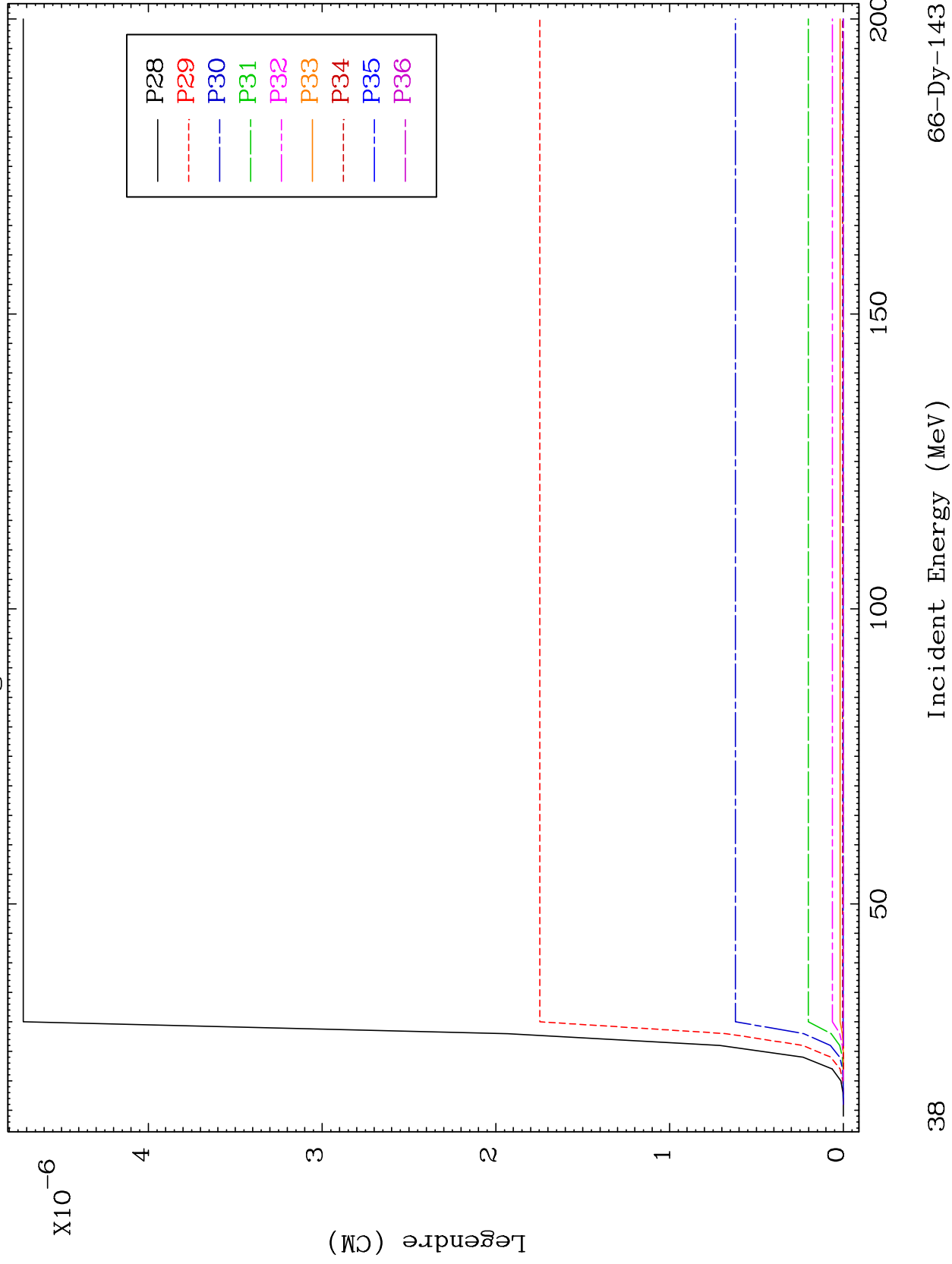
Incident Energy (MeV)

66-Dy-143

MAT 6586

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

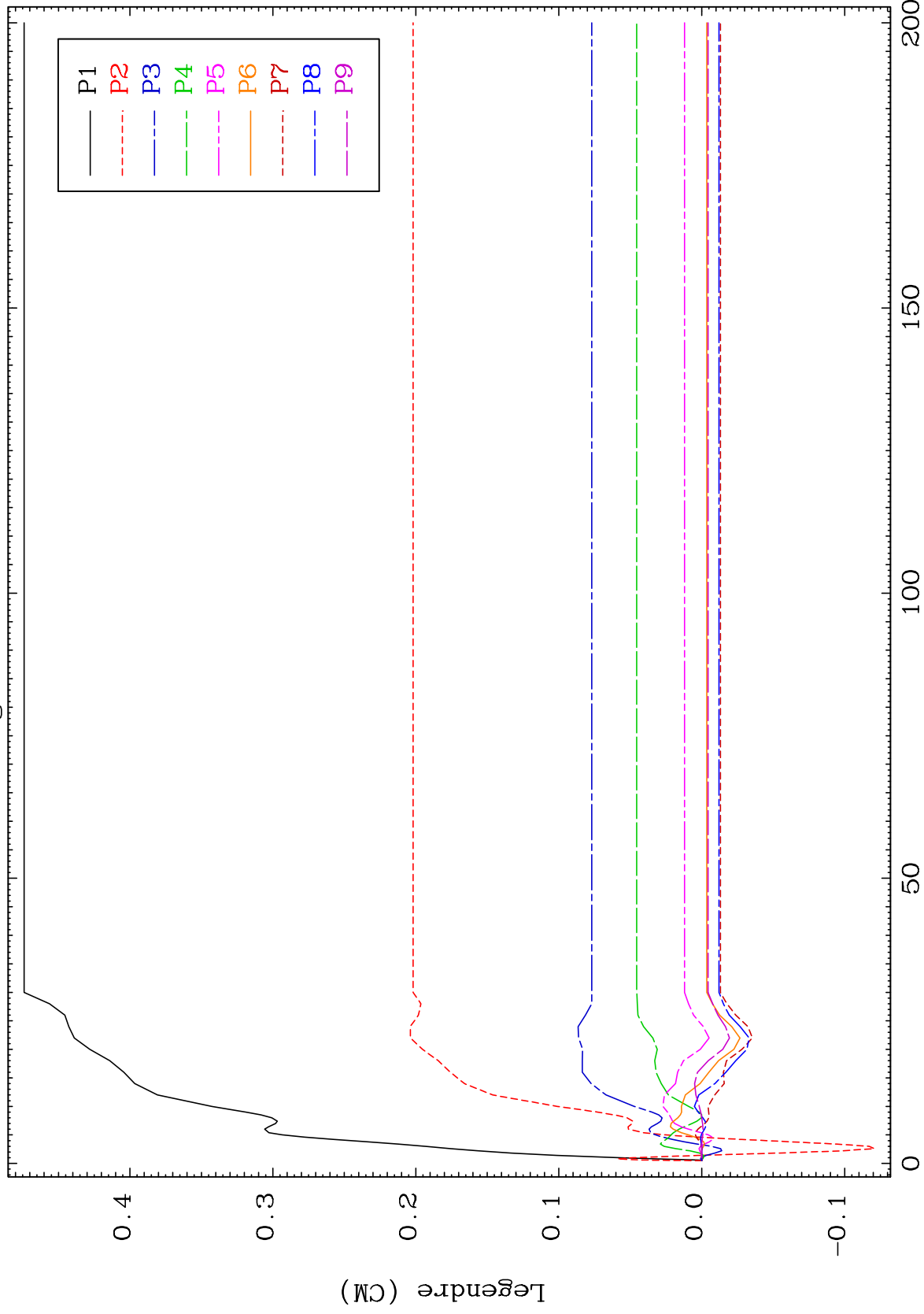
66-Dy-143



MAT 6586

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

66-Dy-143



39

Incident Energy (MeV)

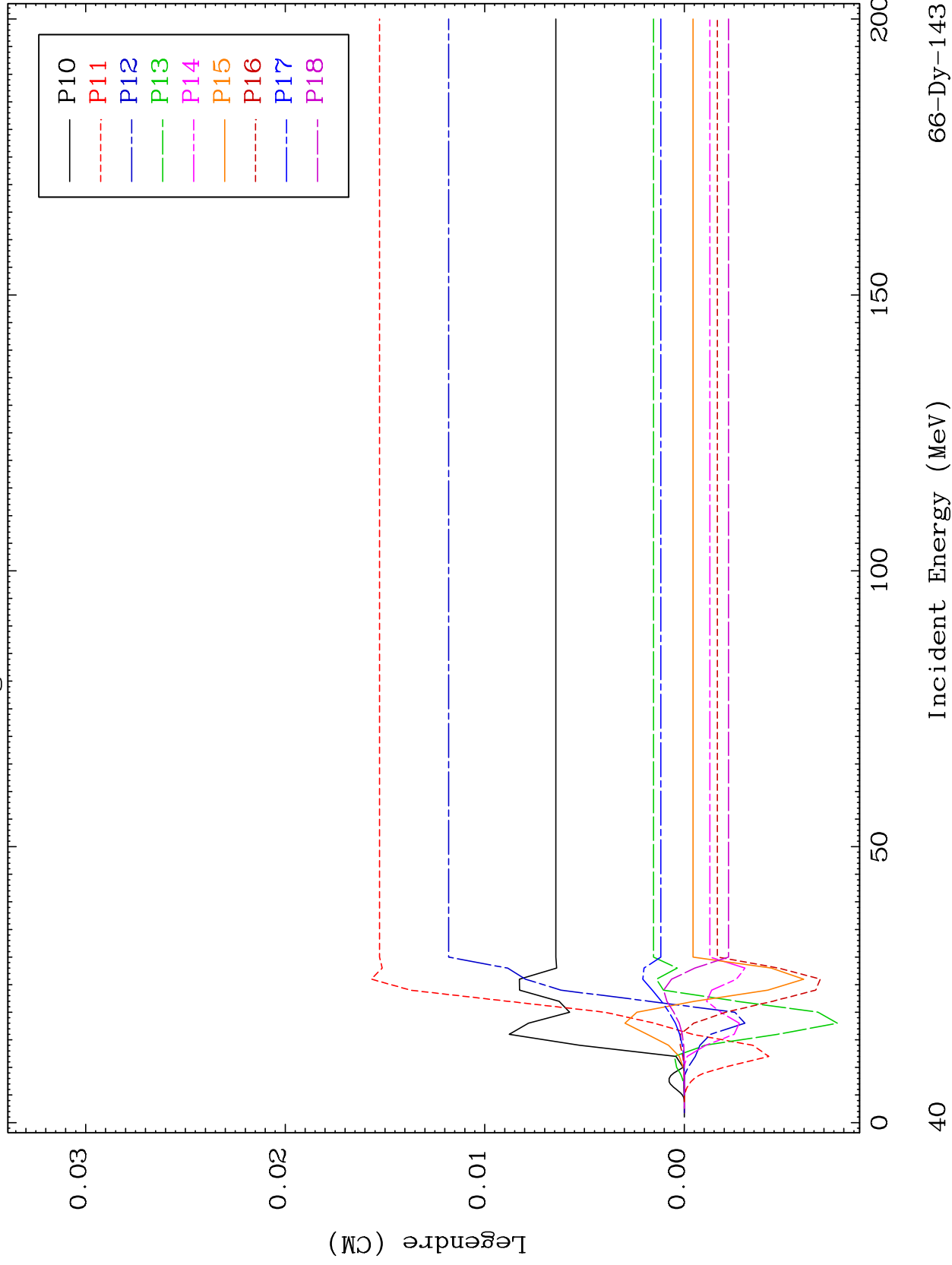
66-Dy-143



MAT 6586

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

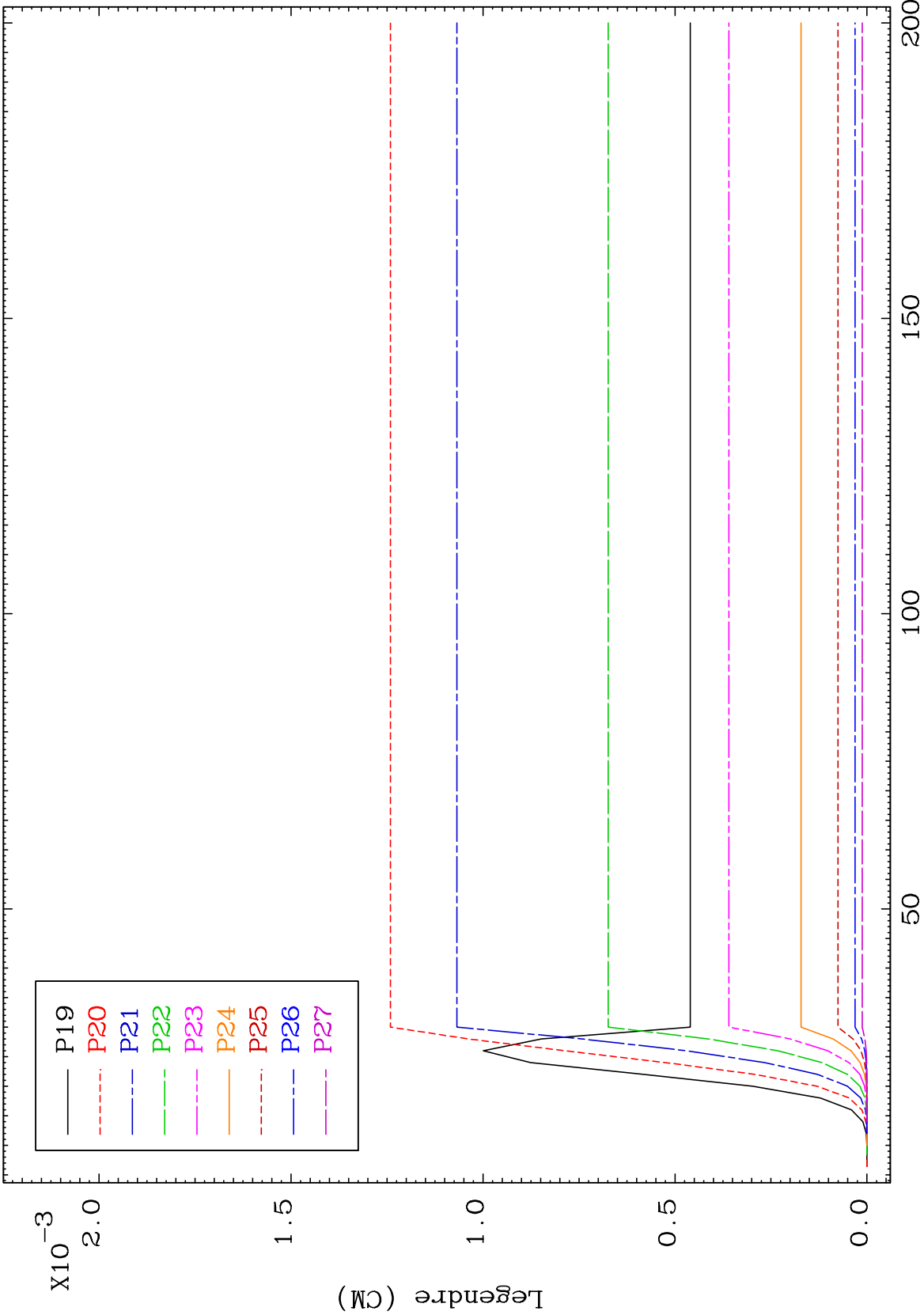
66-Dy-143



66-Dy-143

Incident Energy (MeV)

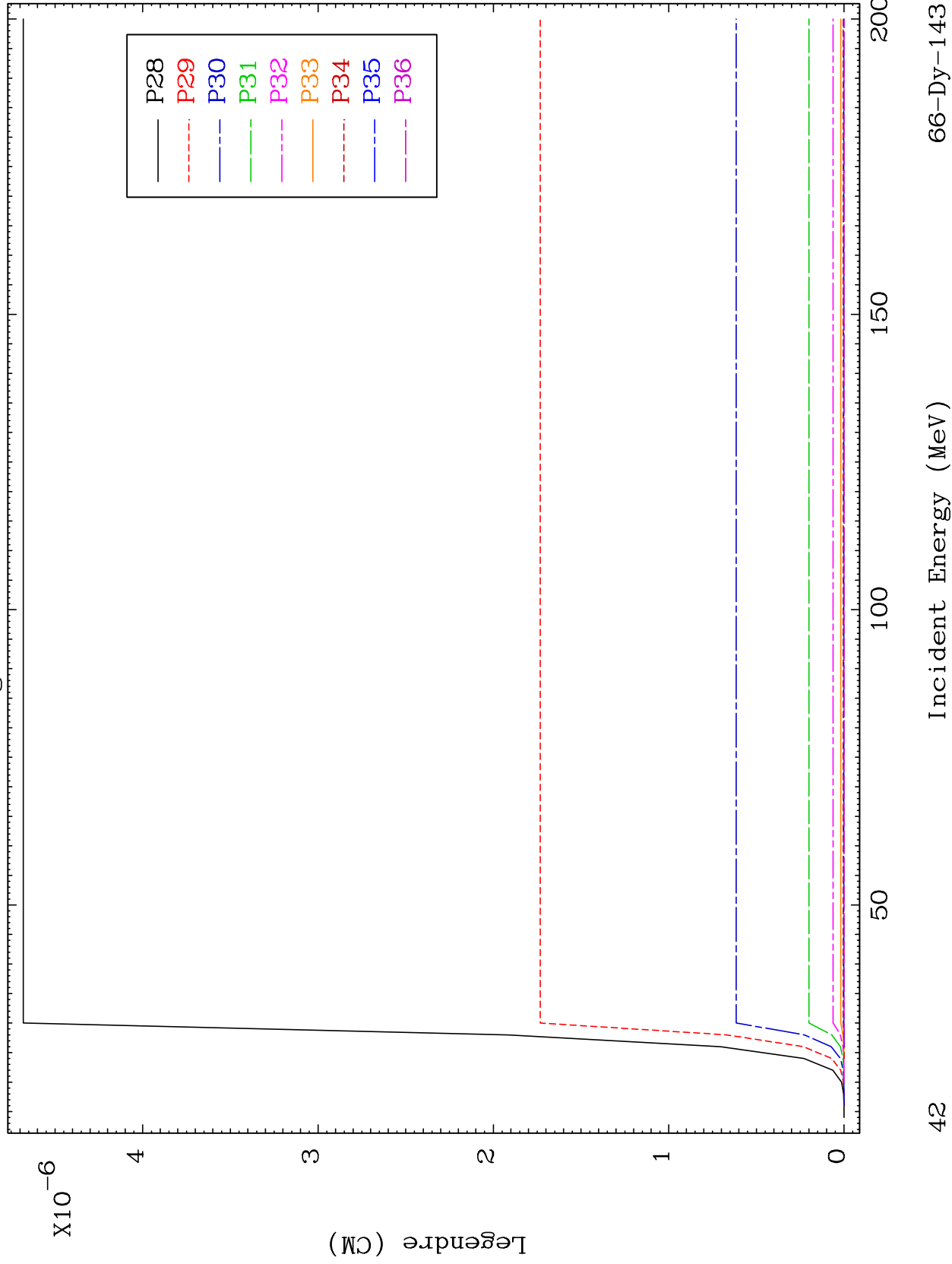
40



MAT 6586

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

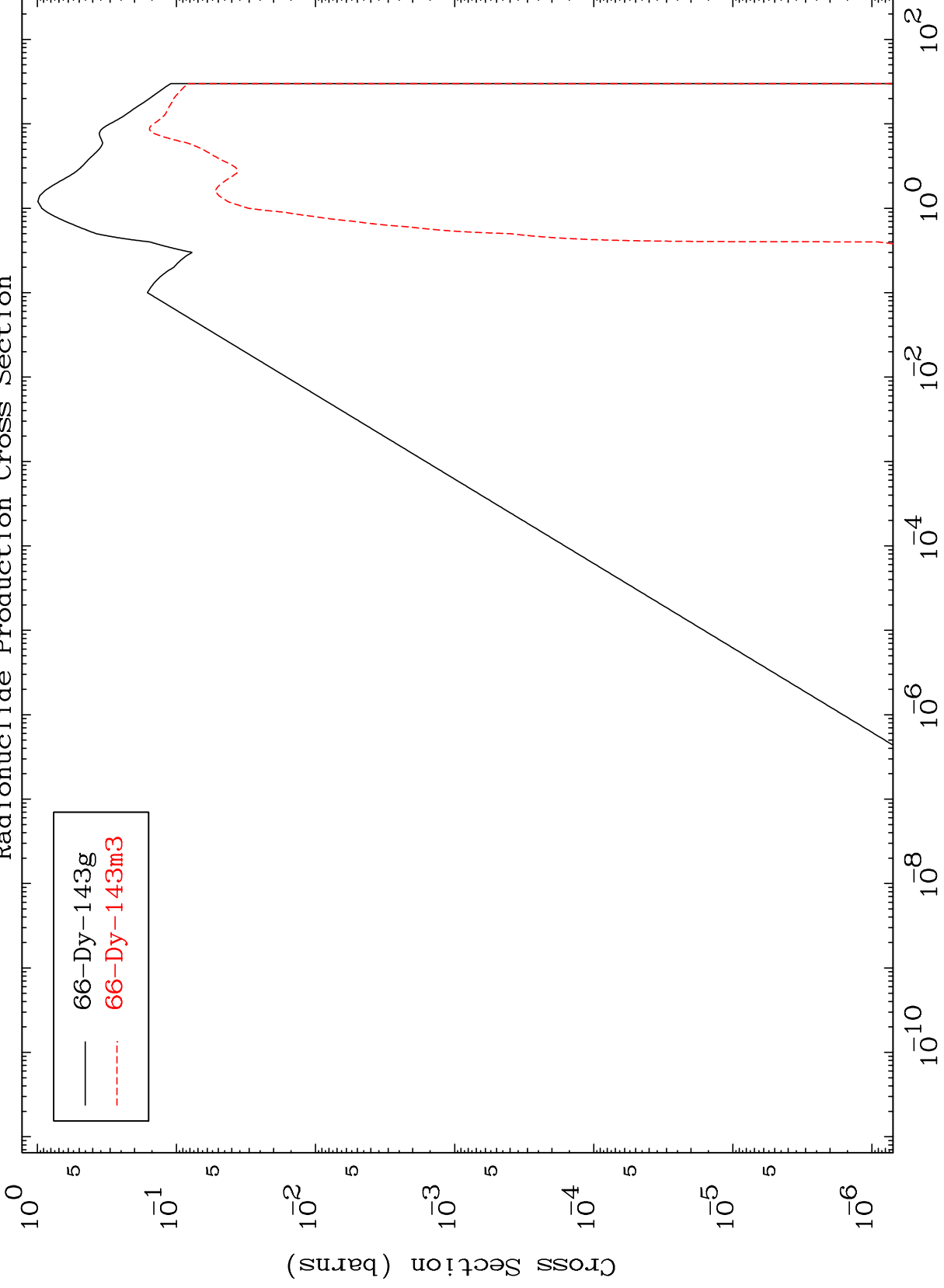
66-Dy-143



MAT 6586

Inelastic  
Radionuclide Production Cross Section

66-Dy-143



66-Dy-143g  
66-Dy-143m3

Incident Energy (MeV)

66-Dy-143

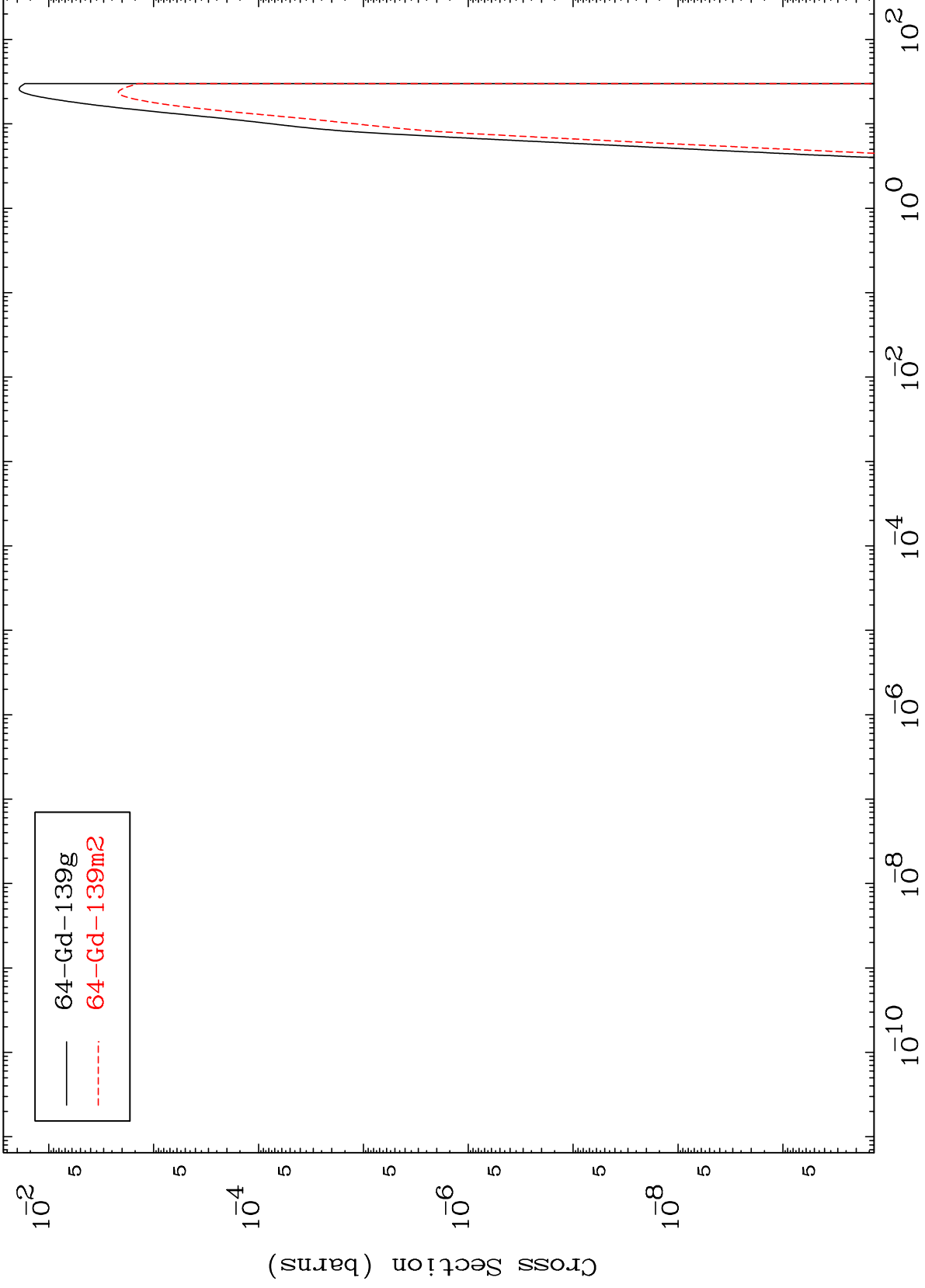
43

MAT 6586

$(n, n')$   $\alpha$

66-Dy-143

Radionuclide Production Cross Section



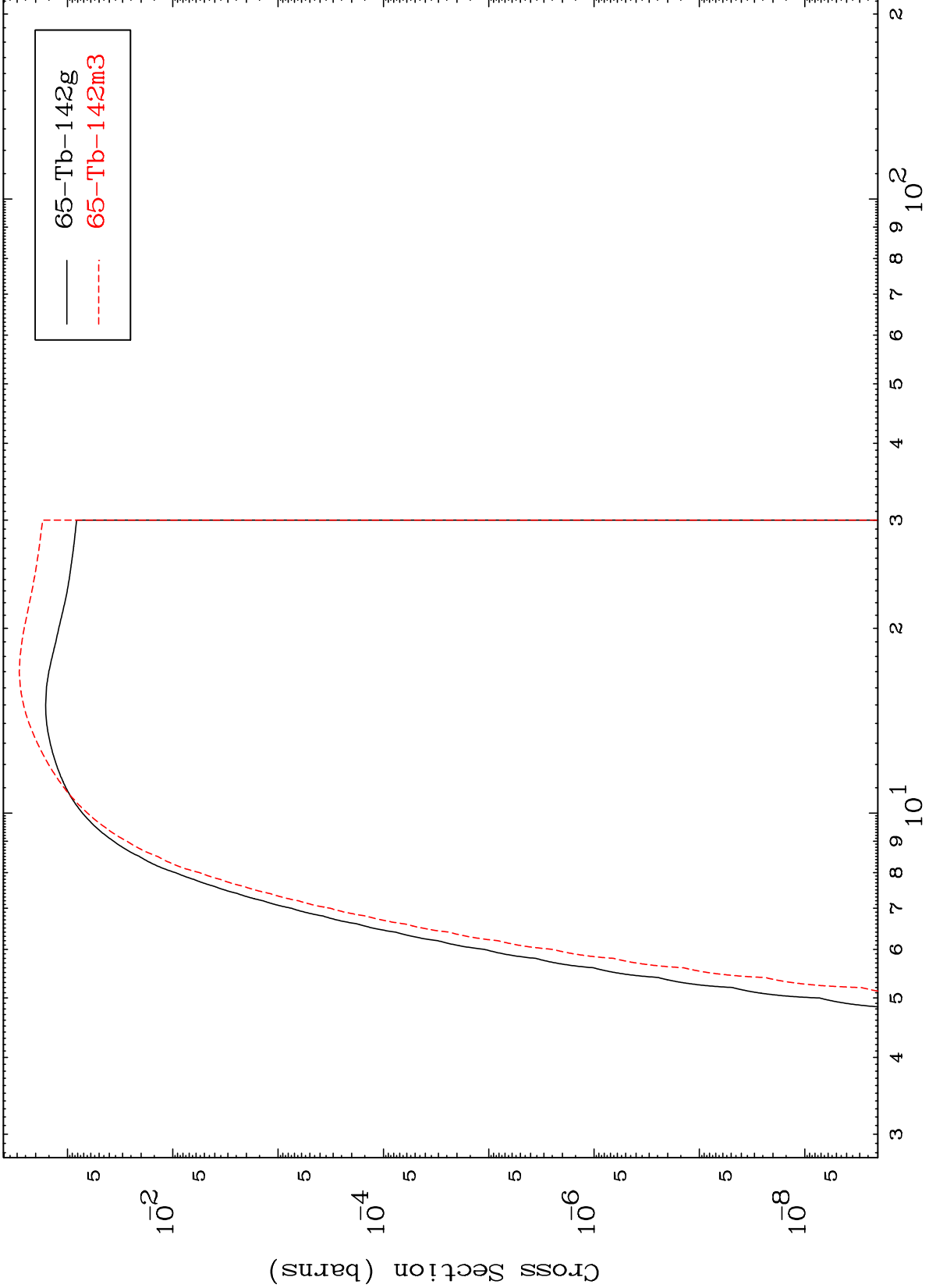
64-Gd-139g  
64-Gd-139m2

MAT 6586

(n,n') p

66-Dy-143

Radionuclide Production Cross Section



45

Incident Energy (MeV)

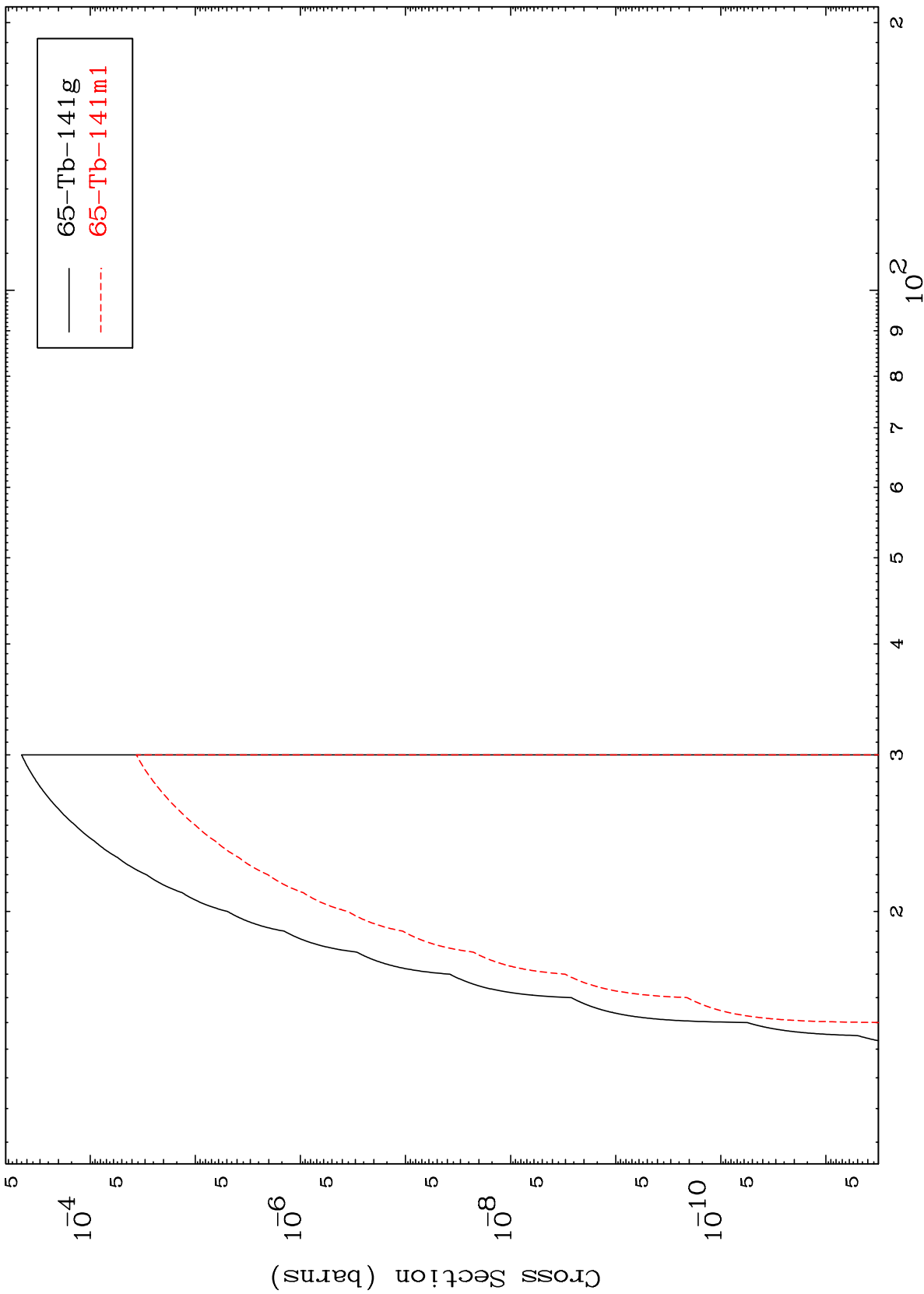
66-Dy-143

MAT 6586

(n,n') d

66-Dy-143

Radionuclide Production Cross Section



46

Incident Energy (MeV)

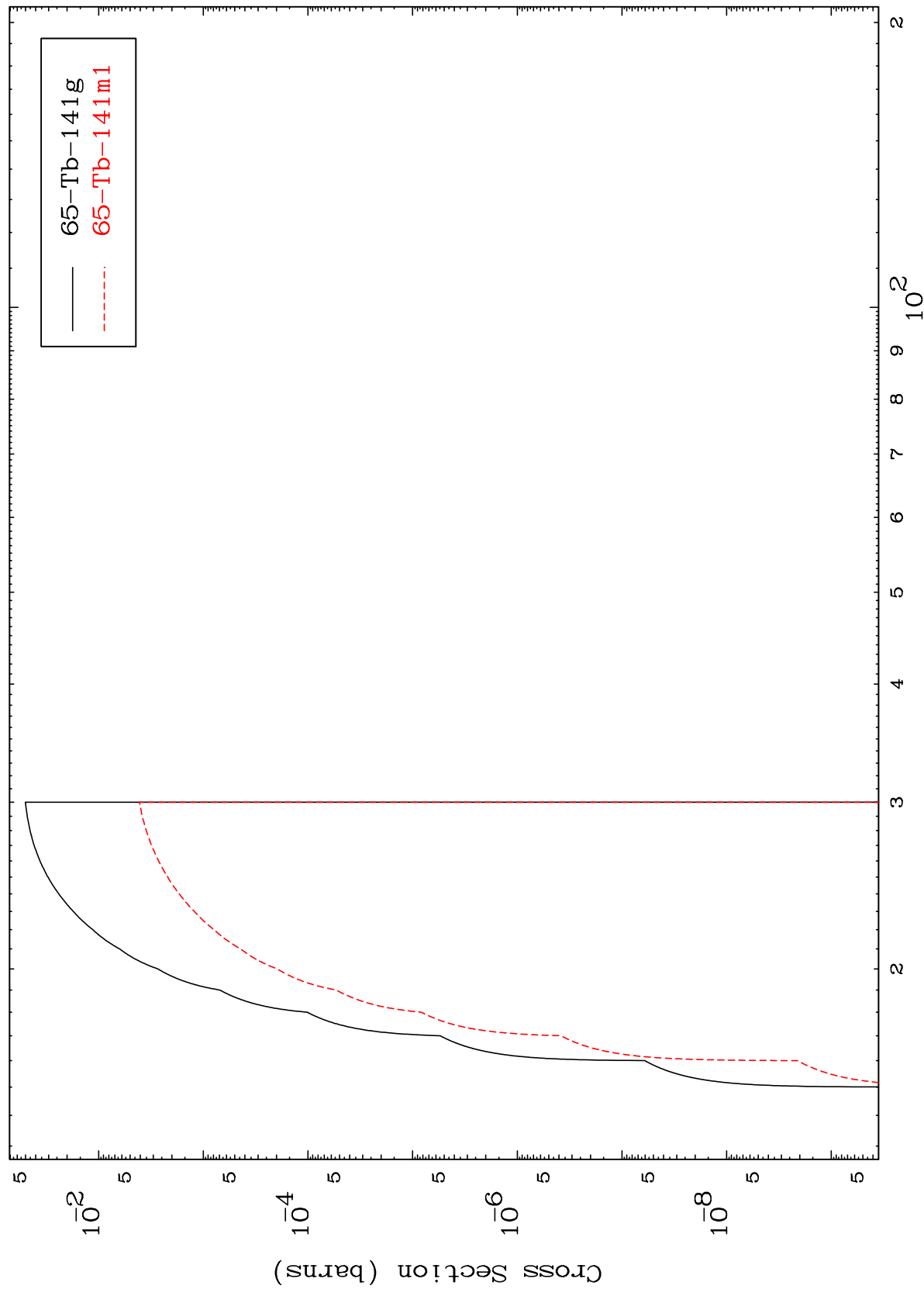
66-Dy-143

MAT 6586

(n,2n) p

66-Dy-143

Radionuclide Production Cross Section



65-Tb-141g  
65-Tb-141m1

47

Incident Energy (MeV)

66-Dy-143

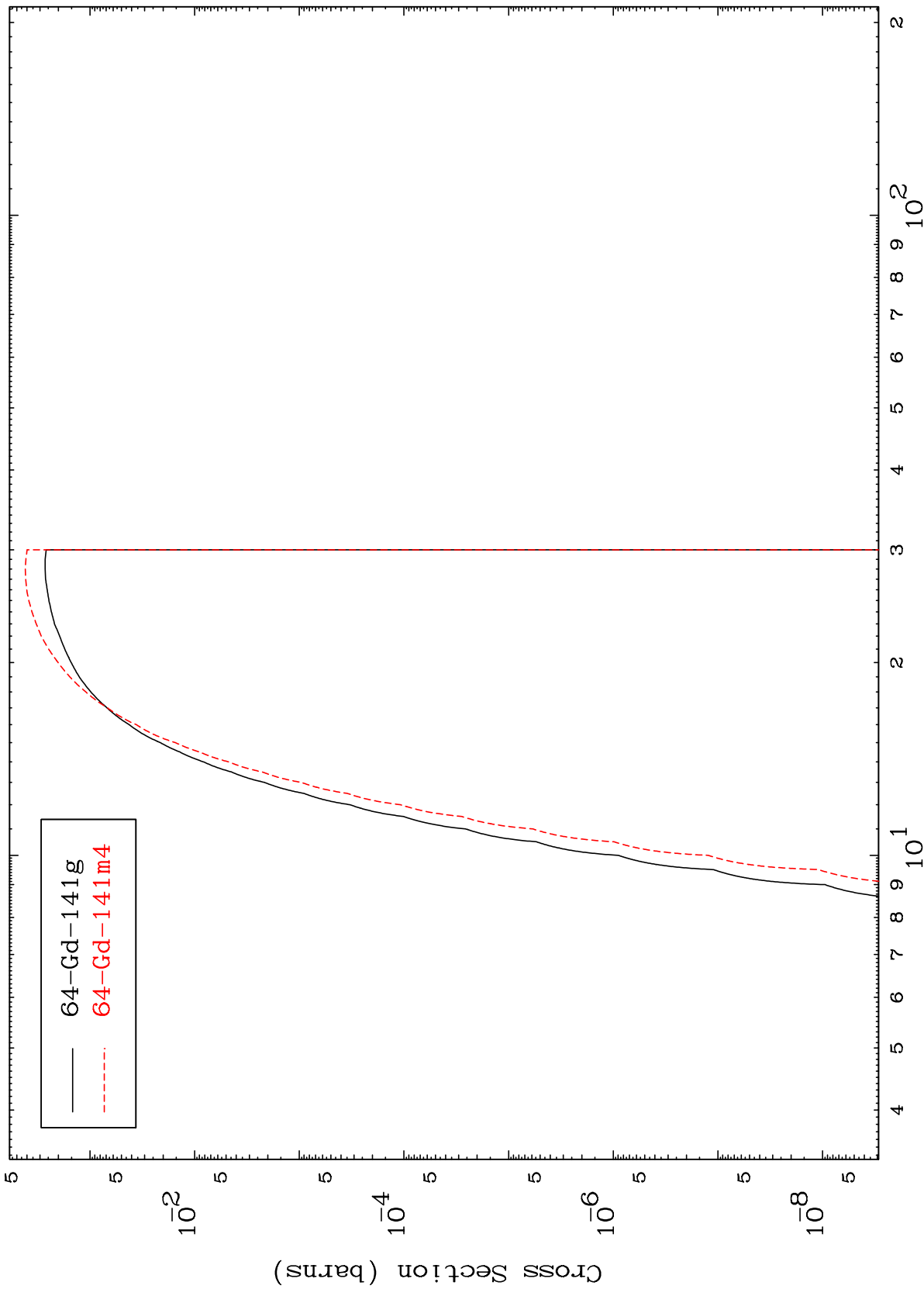


MAT 6586

(n,2n) p

66-Dy-143

Radionuclide Production Cross Section



64-Gd-141g  
64-Gd-141m4

48

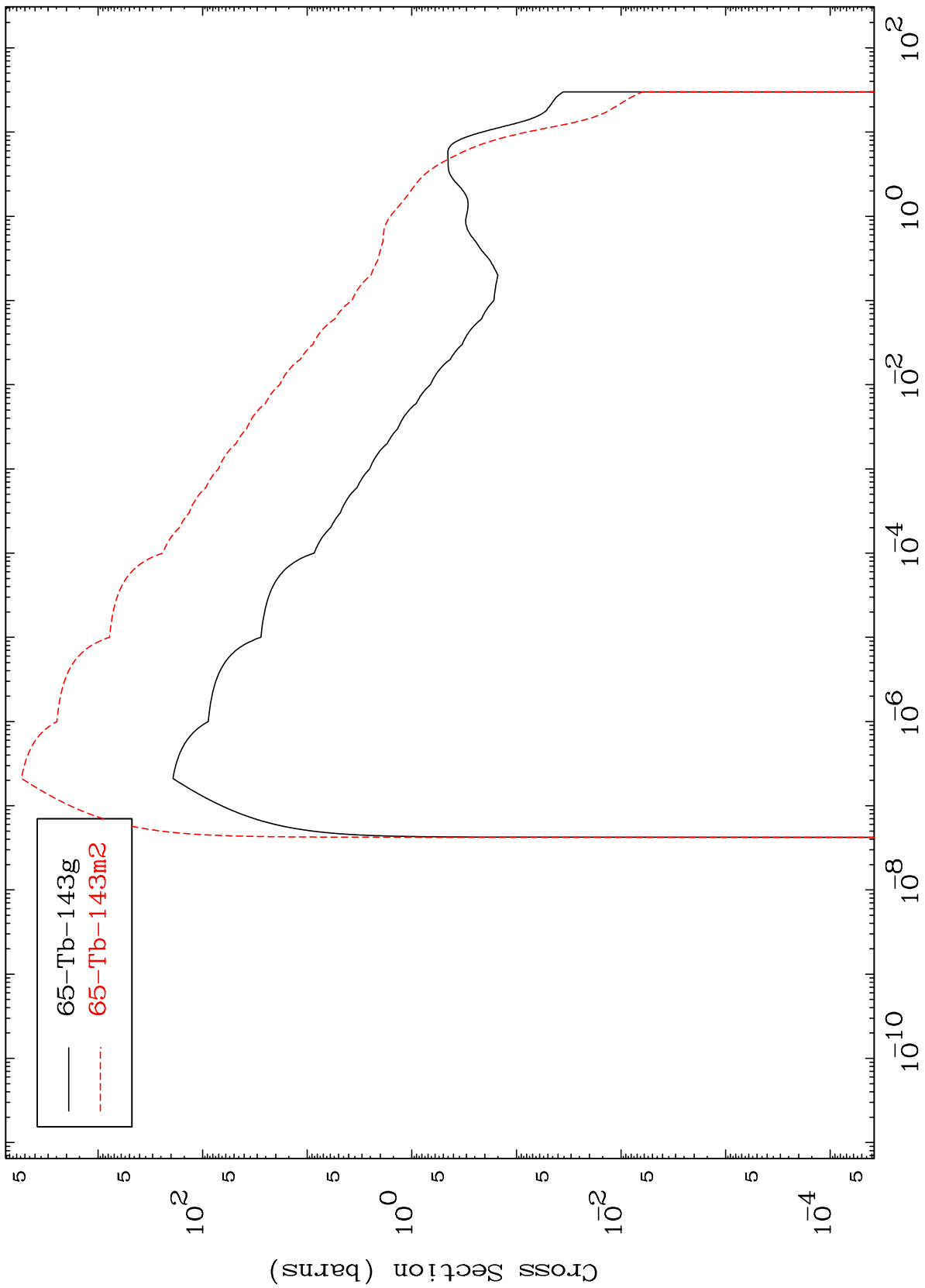
Incident Energy (MeV)

66-Dy-143

MAT 6586

66-Dy-143

(n,p)  
Radionuclide Production Cross Section



49

66-Dy-143

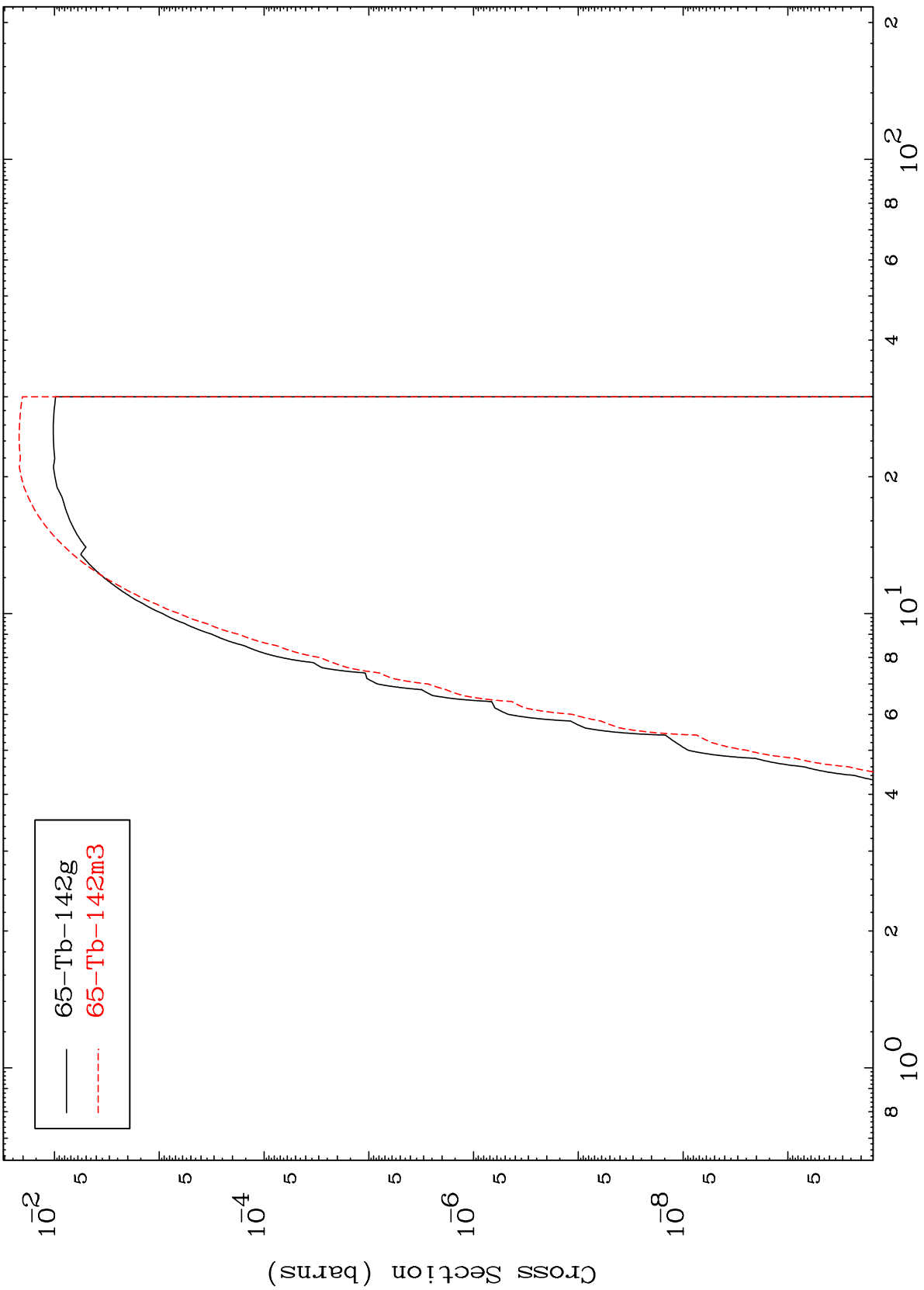
Incident Energy (MeV)

MAT 6586

(n,d)

66-Dy-143

Radionuclide Production Cross Section



50

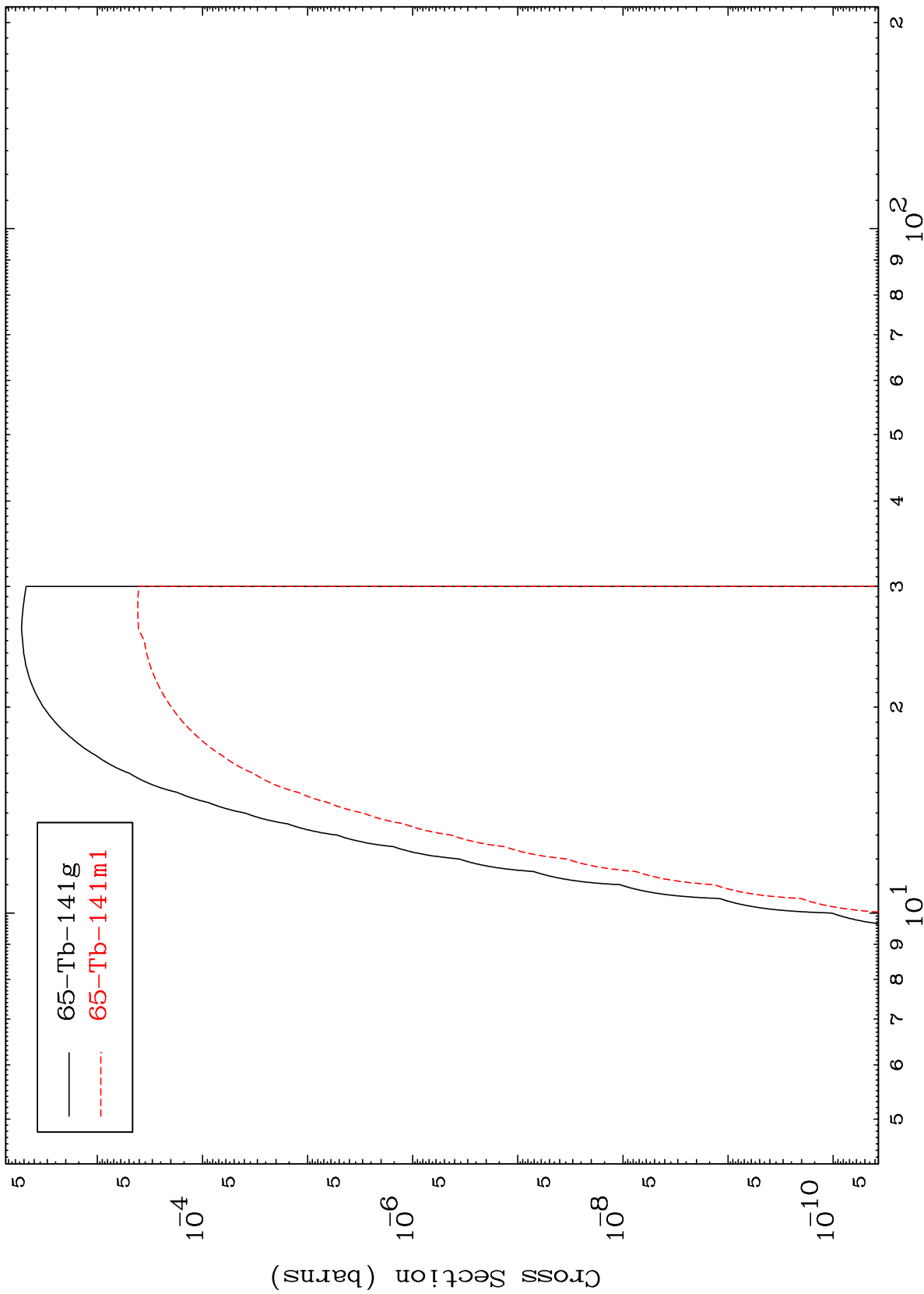
Incident Energy (MeV)

66-Dy-143

MAT 6586

66-Dy-143

(n, t)  
Radionuclide Production Cross Section



51

Incident Energy (MeV)

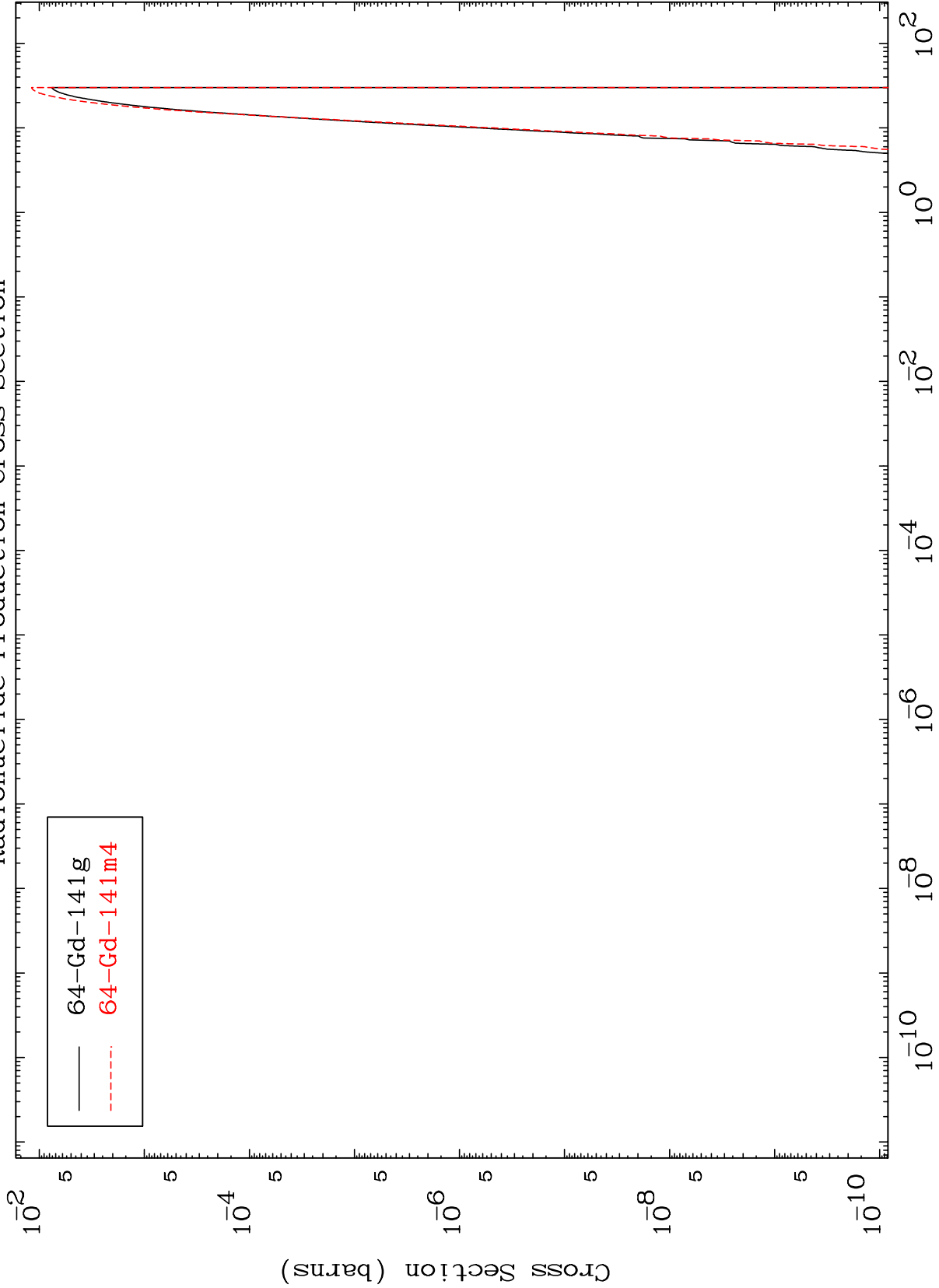
66-Dy-143

MAT 6586

(n,He-3)

66-Dy-143

Radionuclide Production Cross Section



52

Incident Energy (MeV)

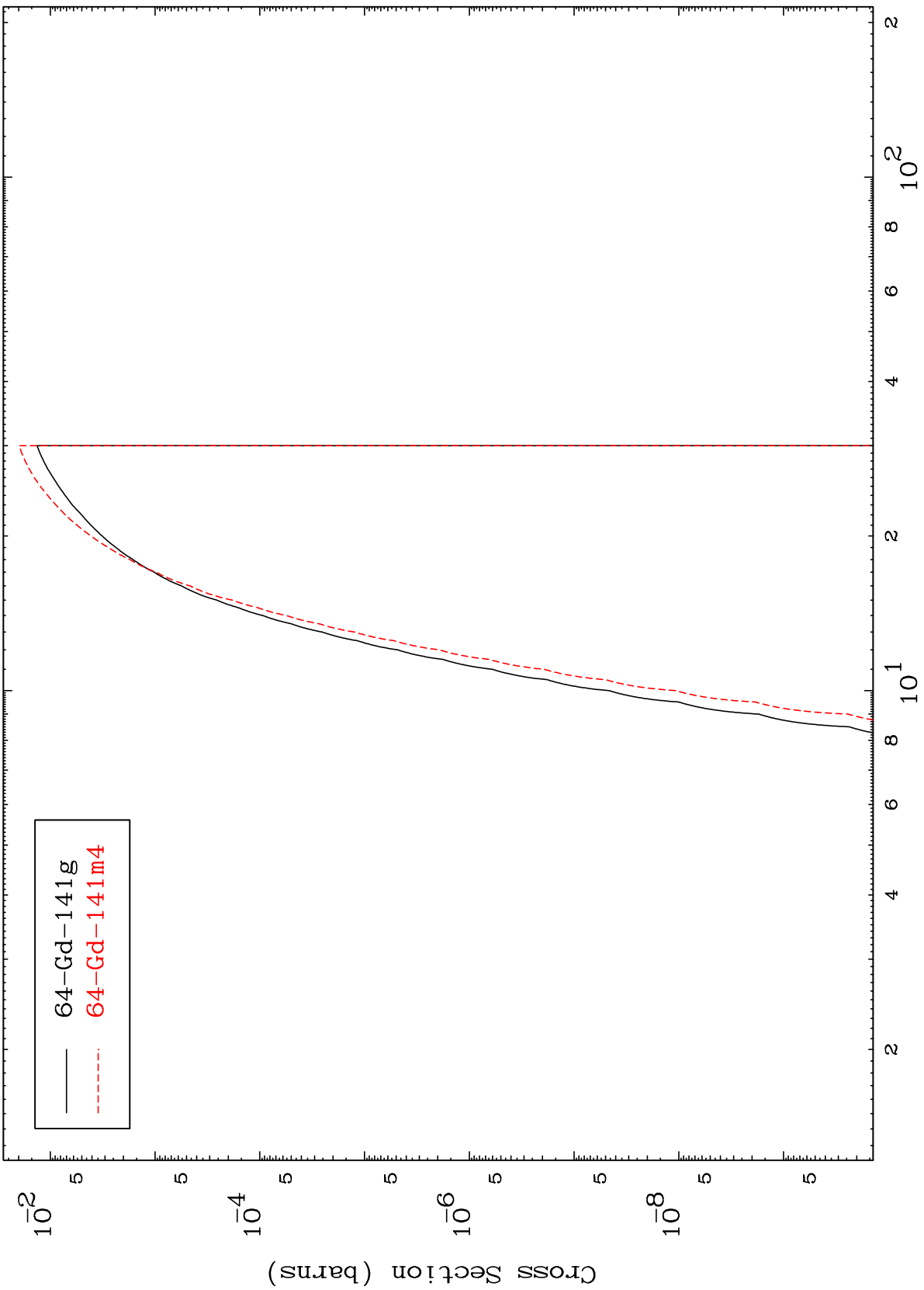
66-Dy-143

MAT 6586

(n,p) d

66-Dy-143

Radionuclide Production Cross Section



64-Gd-141g  
64-Gd-141m4

53

Incident Energy (MeV)

66-Dy-143