

Program EVALPLOT  
(Version 2017-1)

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

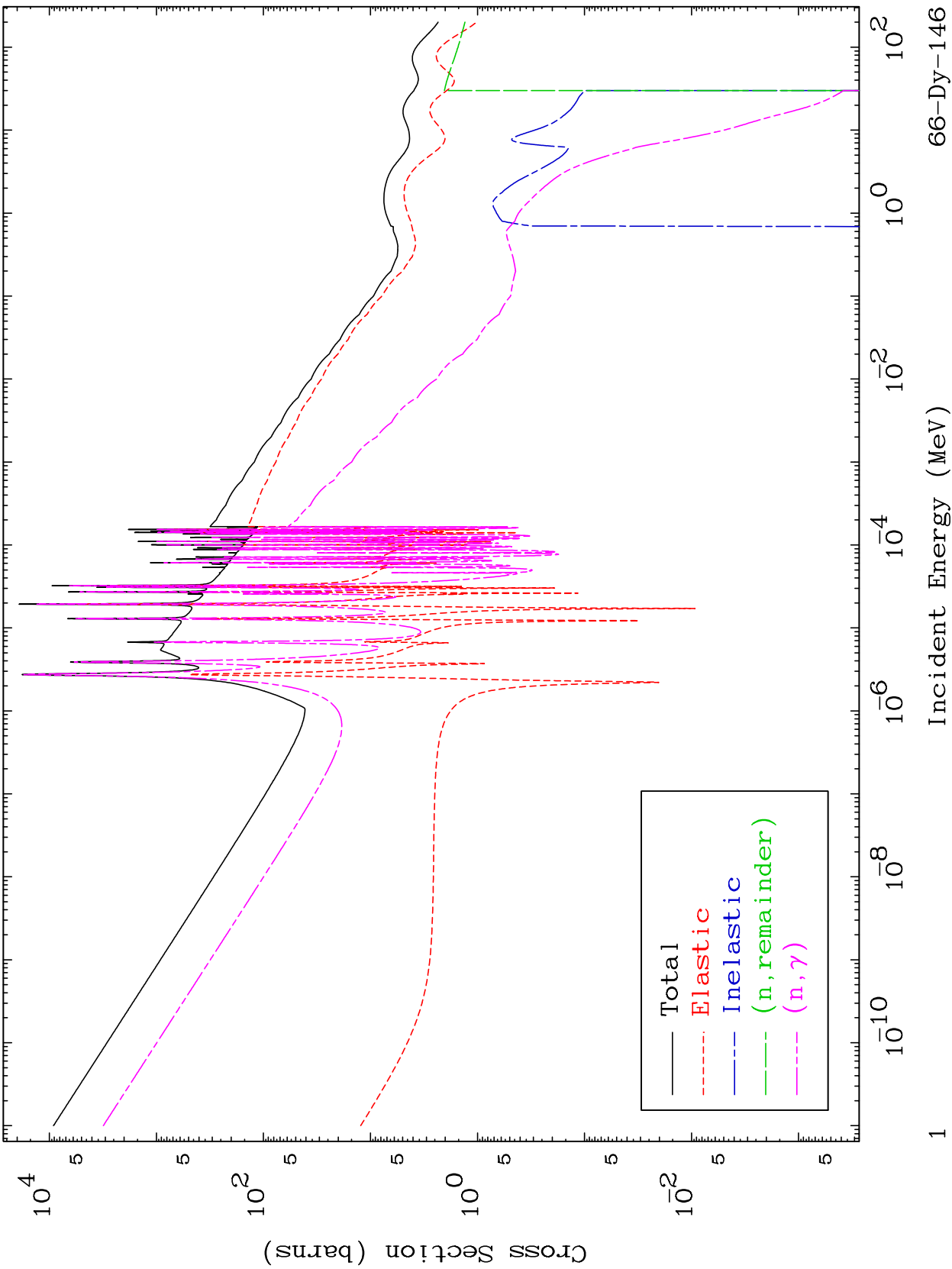
Press Mouse Button to Start

MAT 6595

Major

293 Kelvin Cross Sections

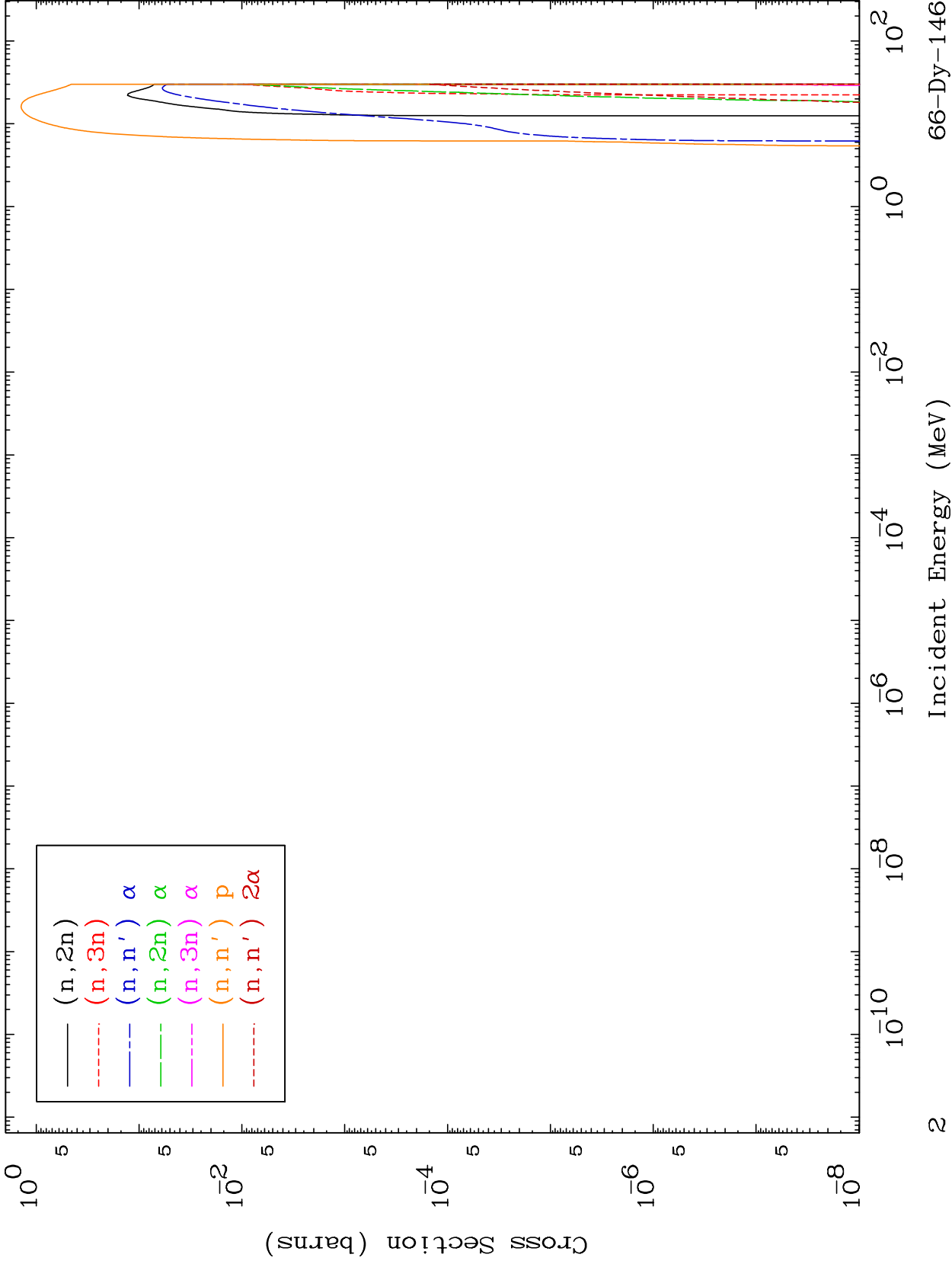
66-Dy-146

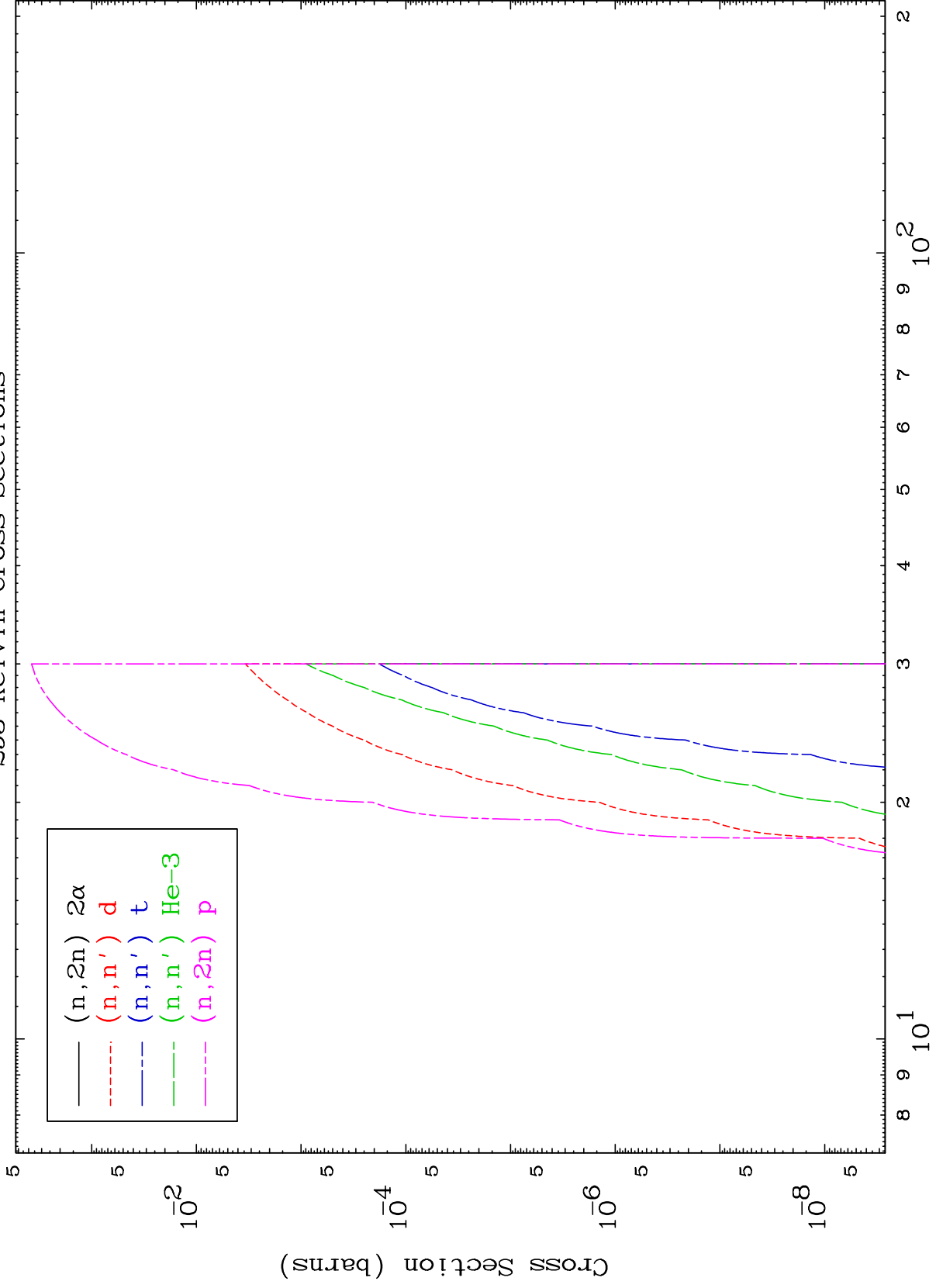


MAT 6595

Neutron Production  
293 Kelvin Cross Sections

66-Dy-146

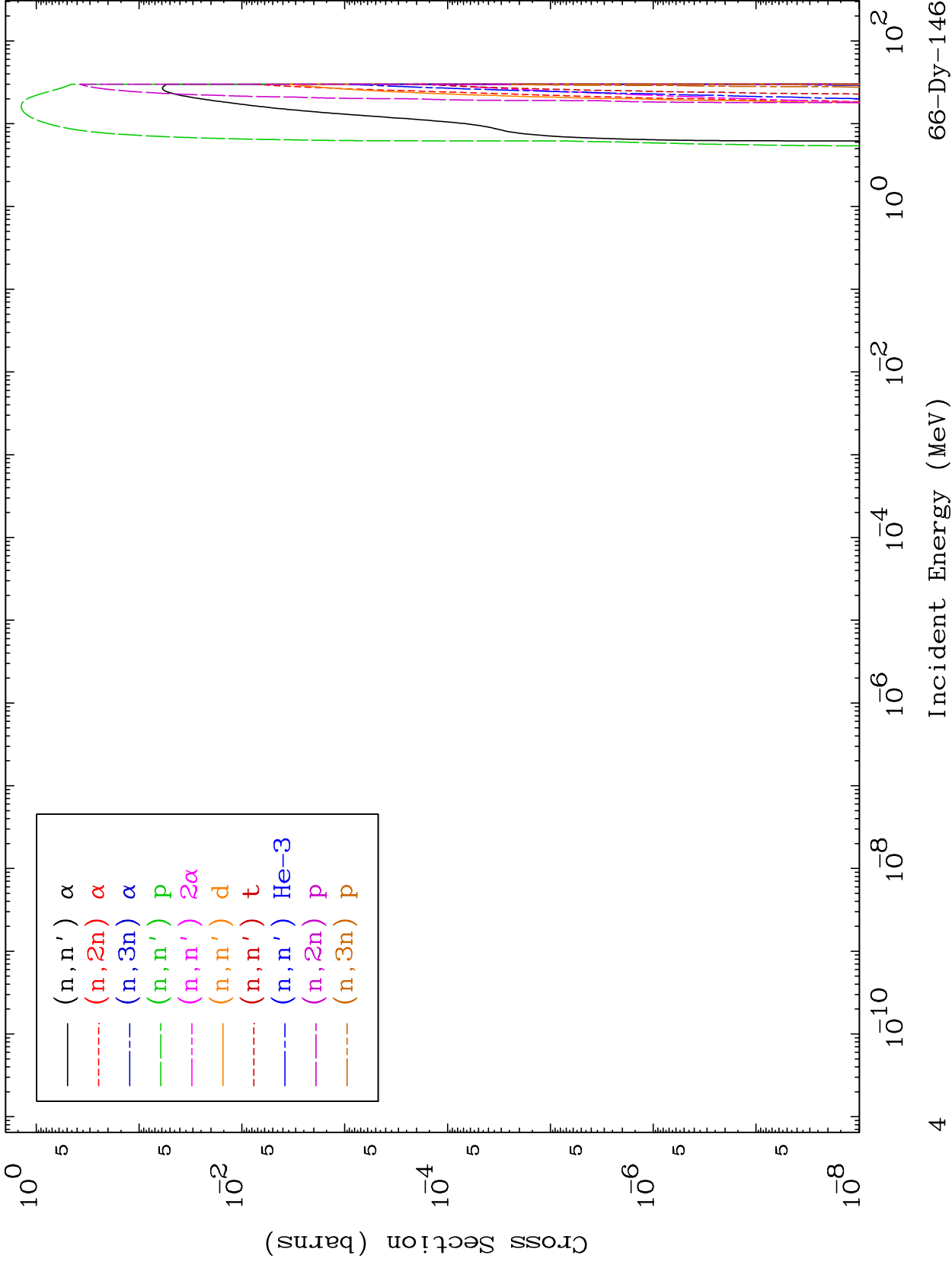




MAT 6595

Charged Particle  
293 Kelvin Cross Sections

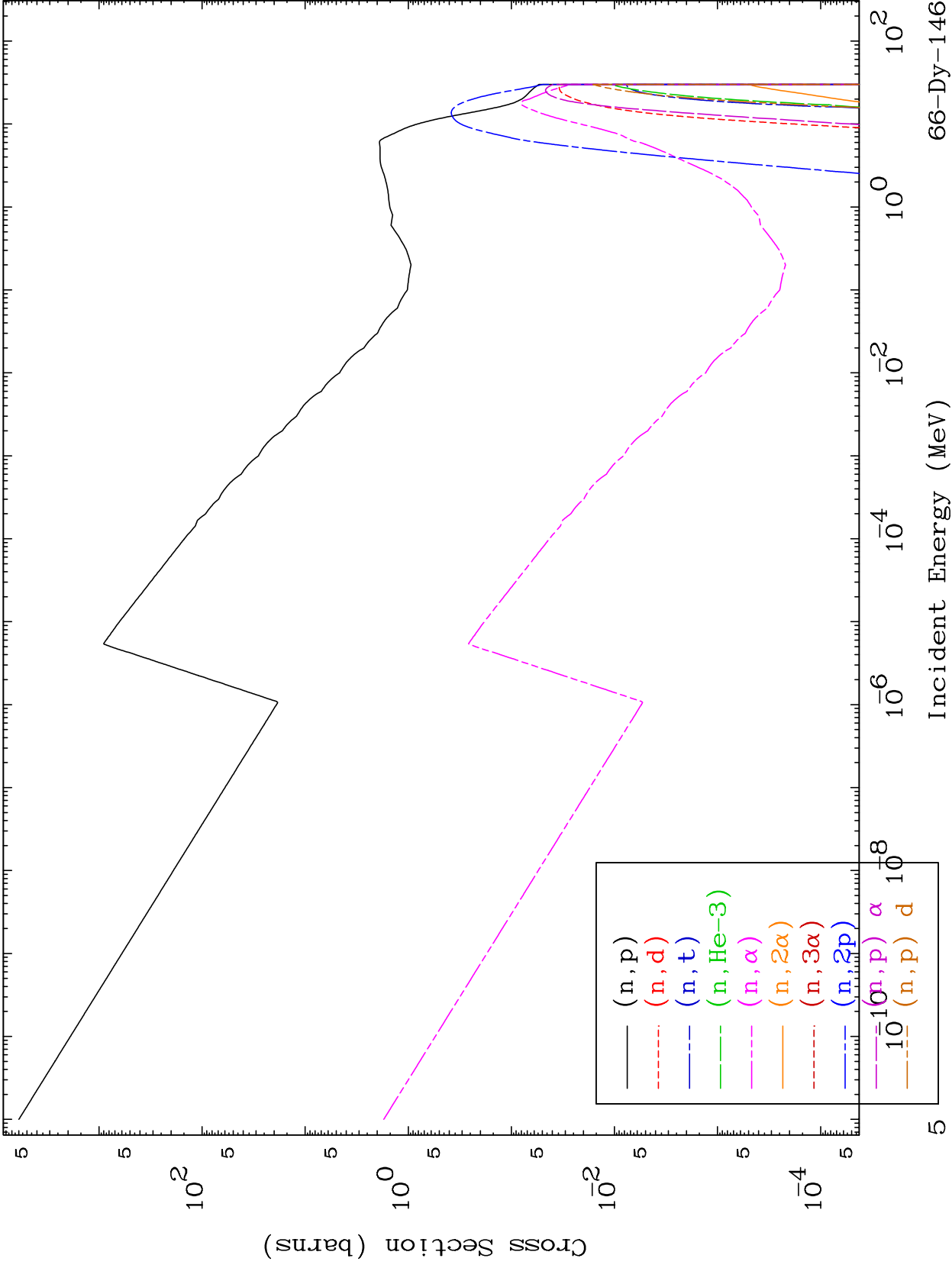
66-Dy-146



MAT 6595

Charged Particle  
293 Kelvin Cross Sections

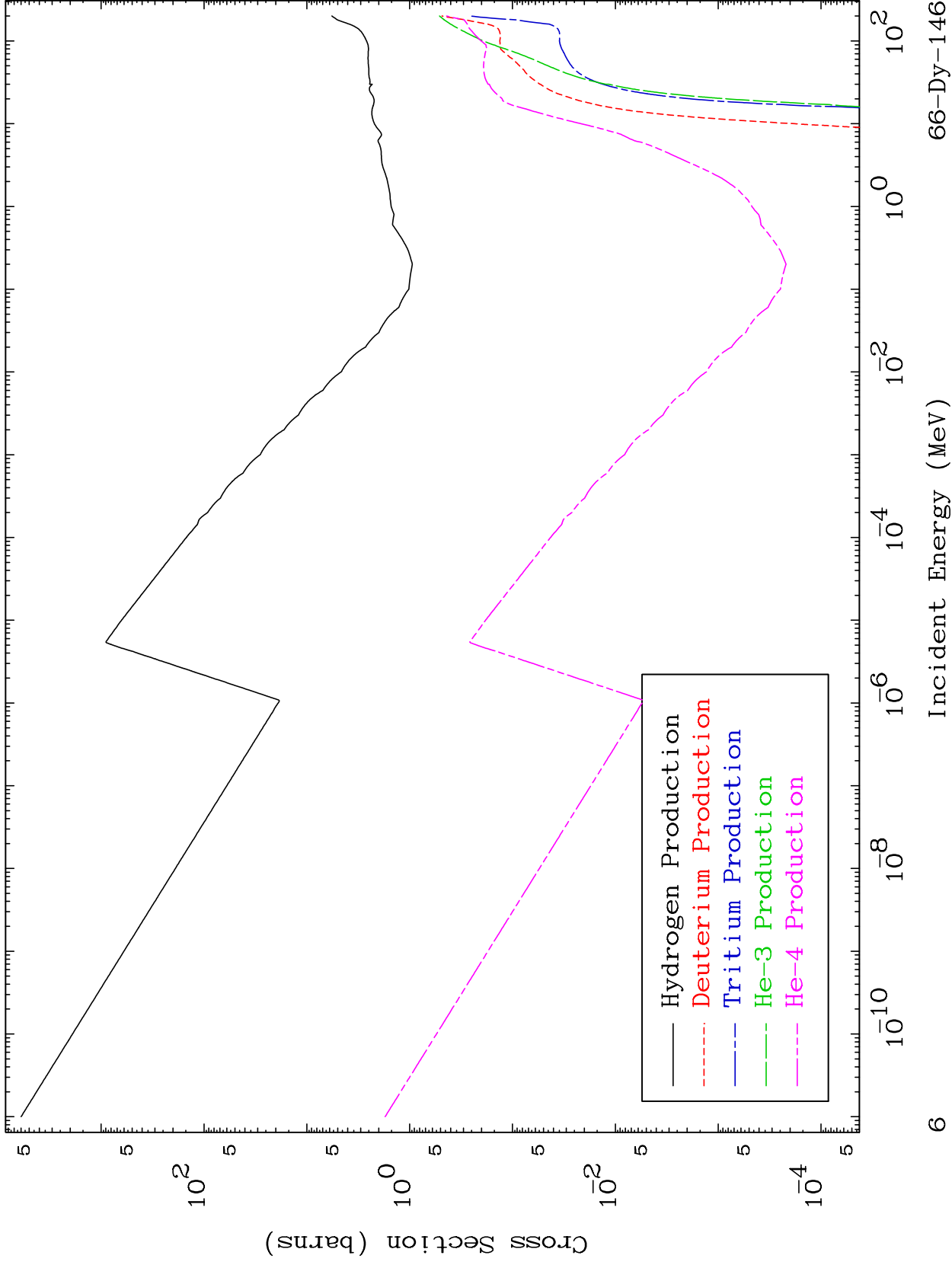
66-Dy-146



MAT 6595

Particle Production  
293 Kelvin Cross Sections

66-Dy-146

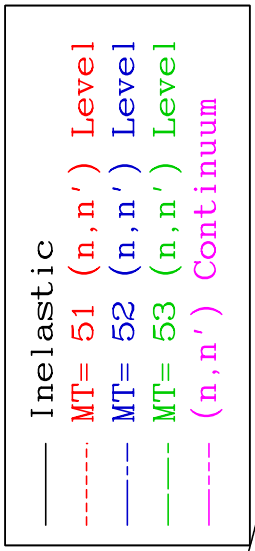
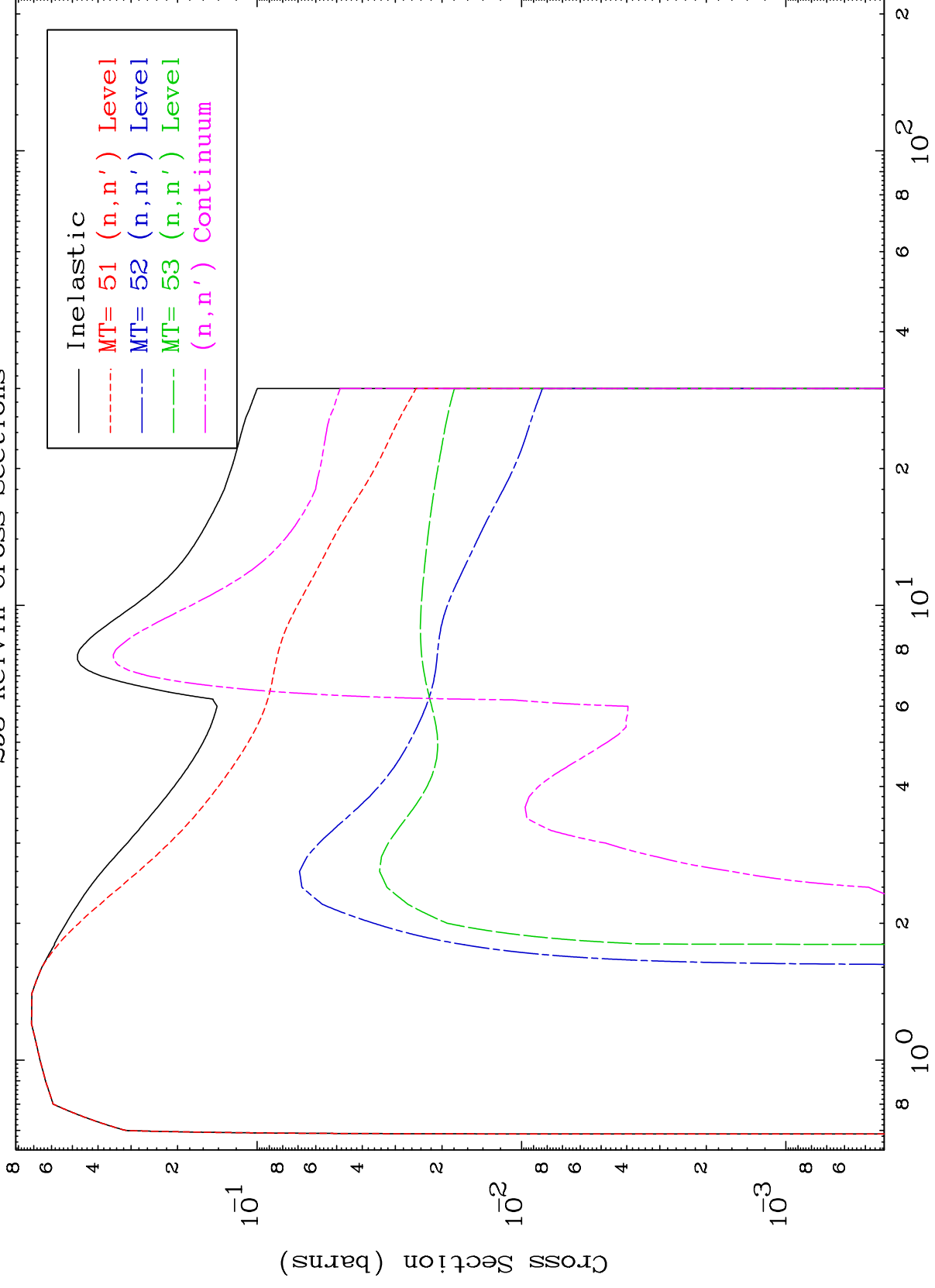


MAT 6595

(n,n') Level

66-Dy-146

293 Kelvin Cross Sections

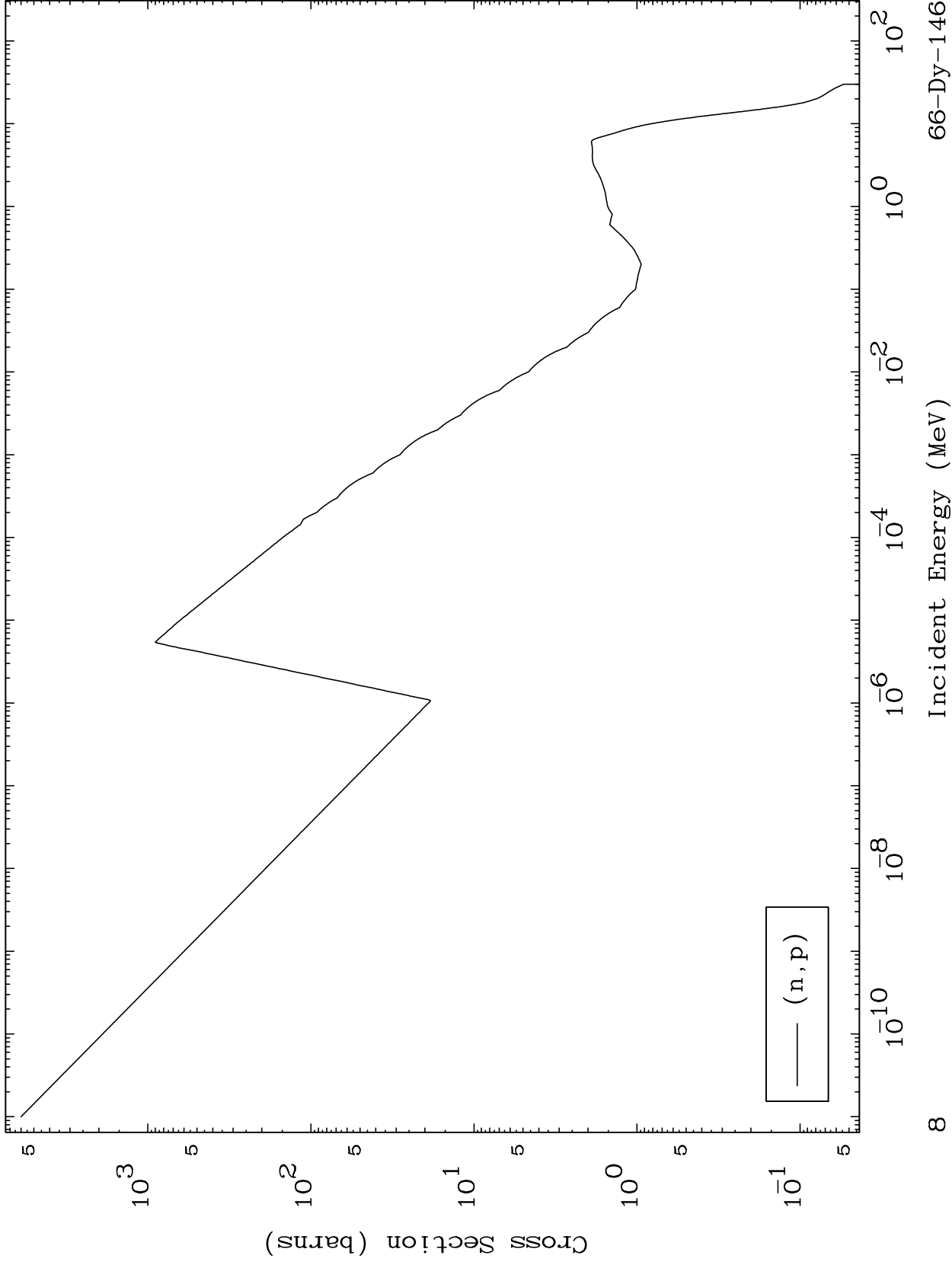




MAT 6595

(n,p) Levels  
293 Kelvin Cross Sections

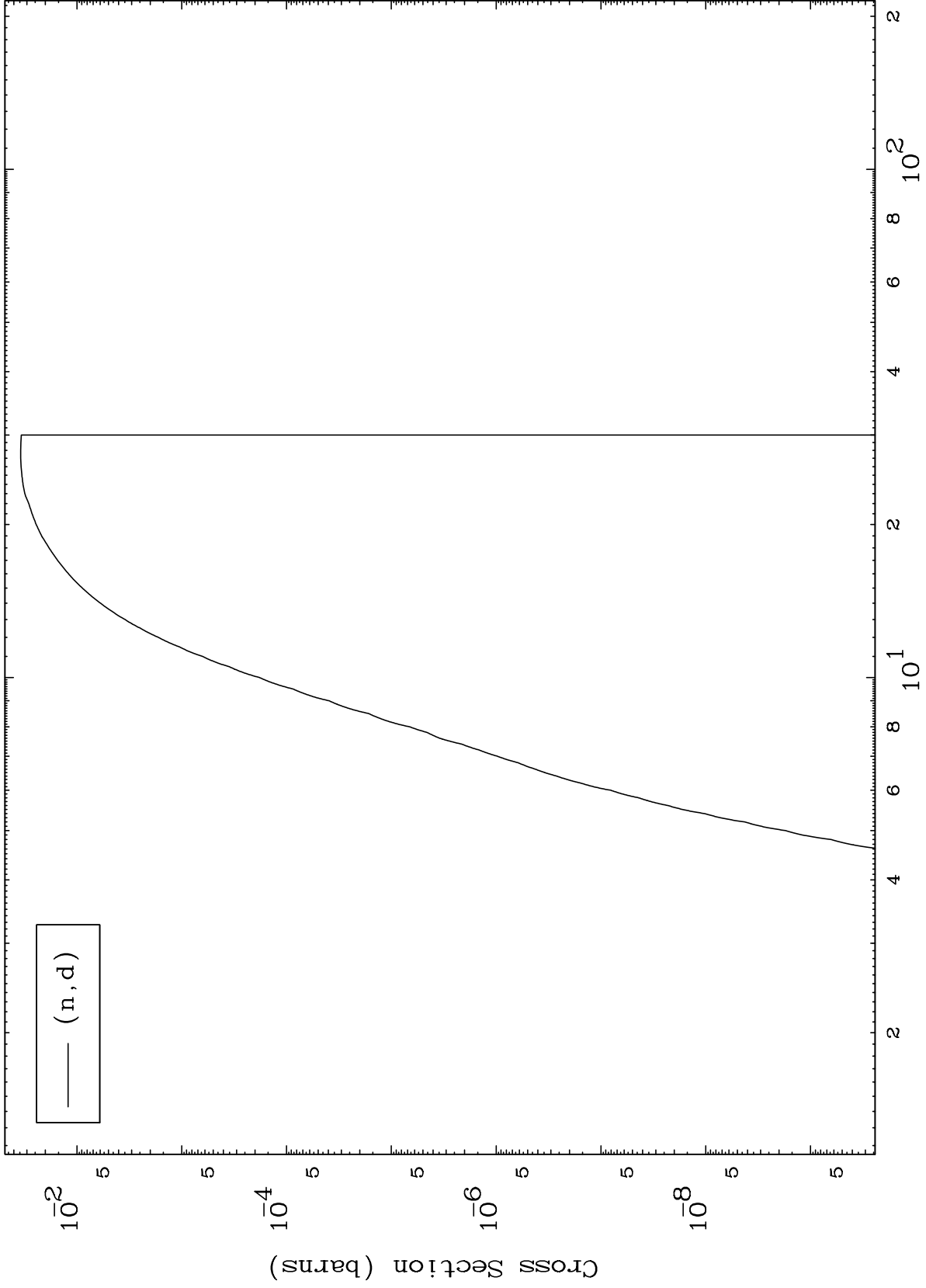
66-Dy-146



MAT 6595

(n,d) Levels  
293 Kelvin Cross Sections

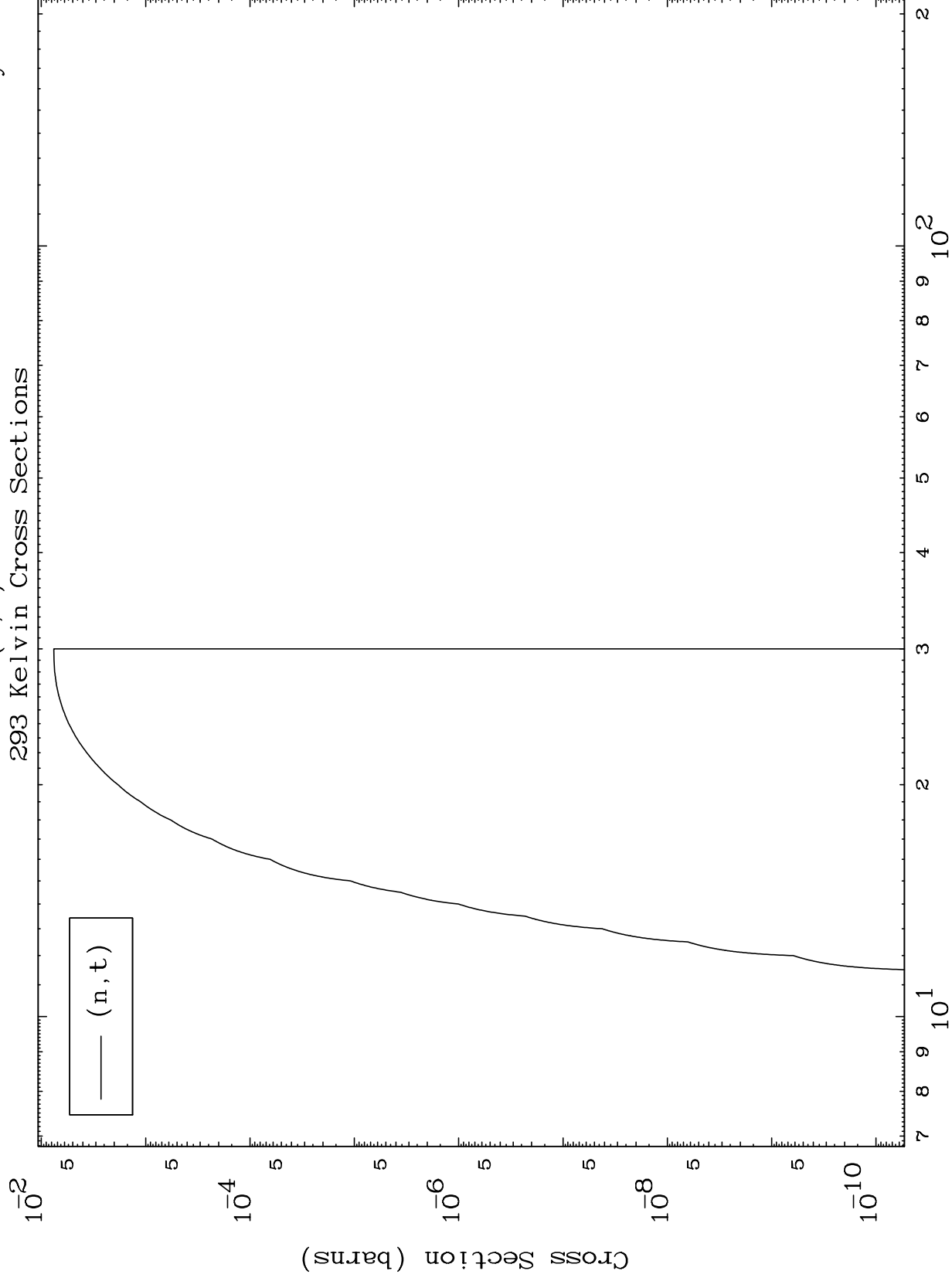
66-Dy-146



MAT 6595

(n,t) Levels  
293 Kelvin Cross Sections

66-Dy-146



Incident Energy (MeV)

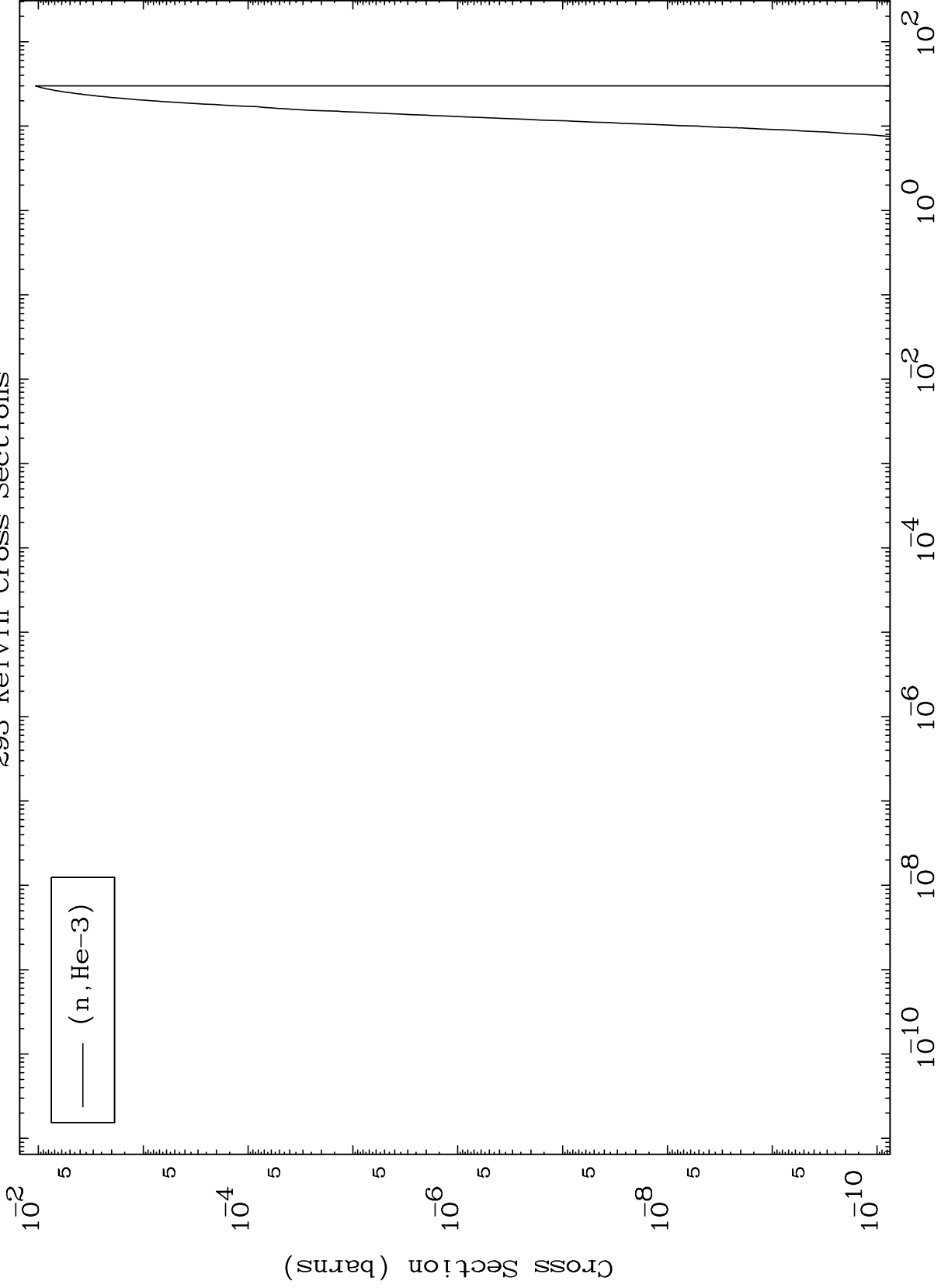
66-Dy-146

10

MAT 6595

(n,He3) Levels  
293 Kelvin Cross Sections

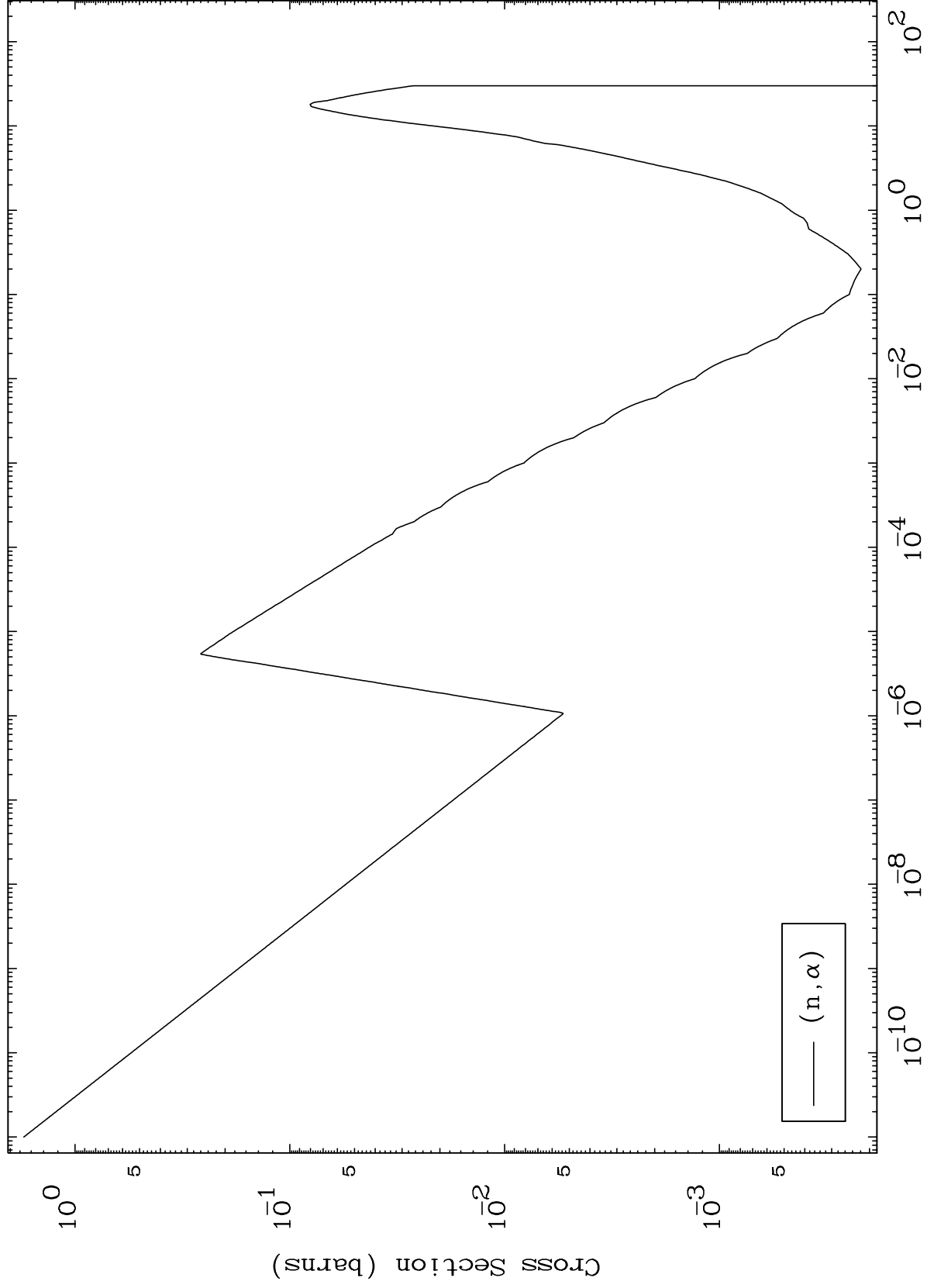
66-Dy-146



MAT 6595

(n,α) Levels  
293 Kelvin Cross Sections

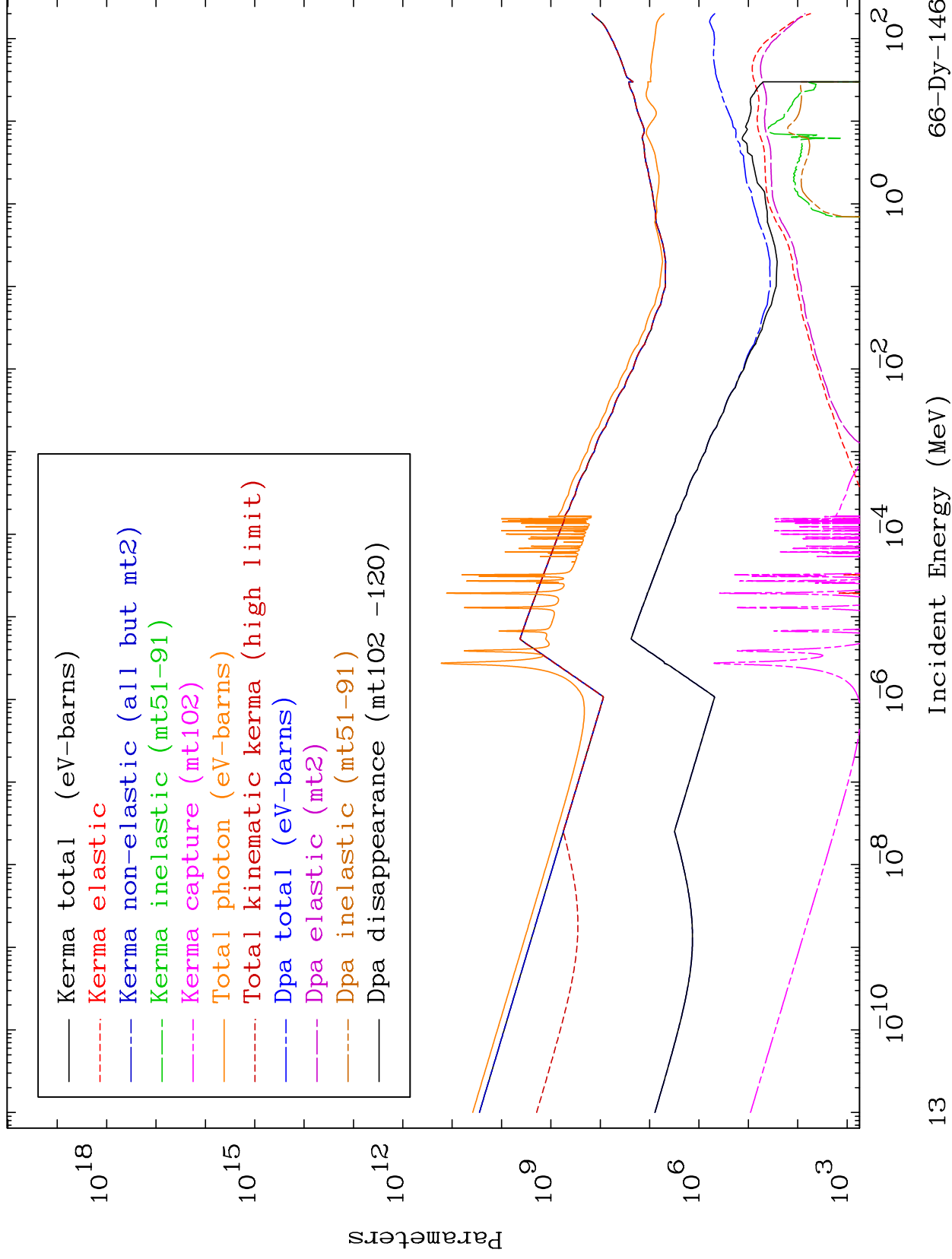
66-Dy-146

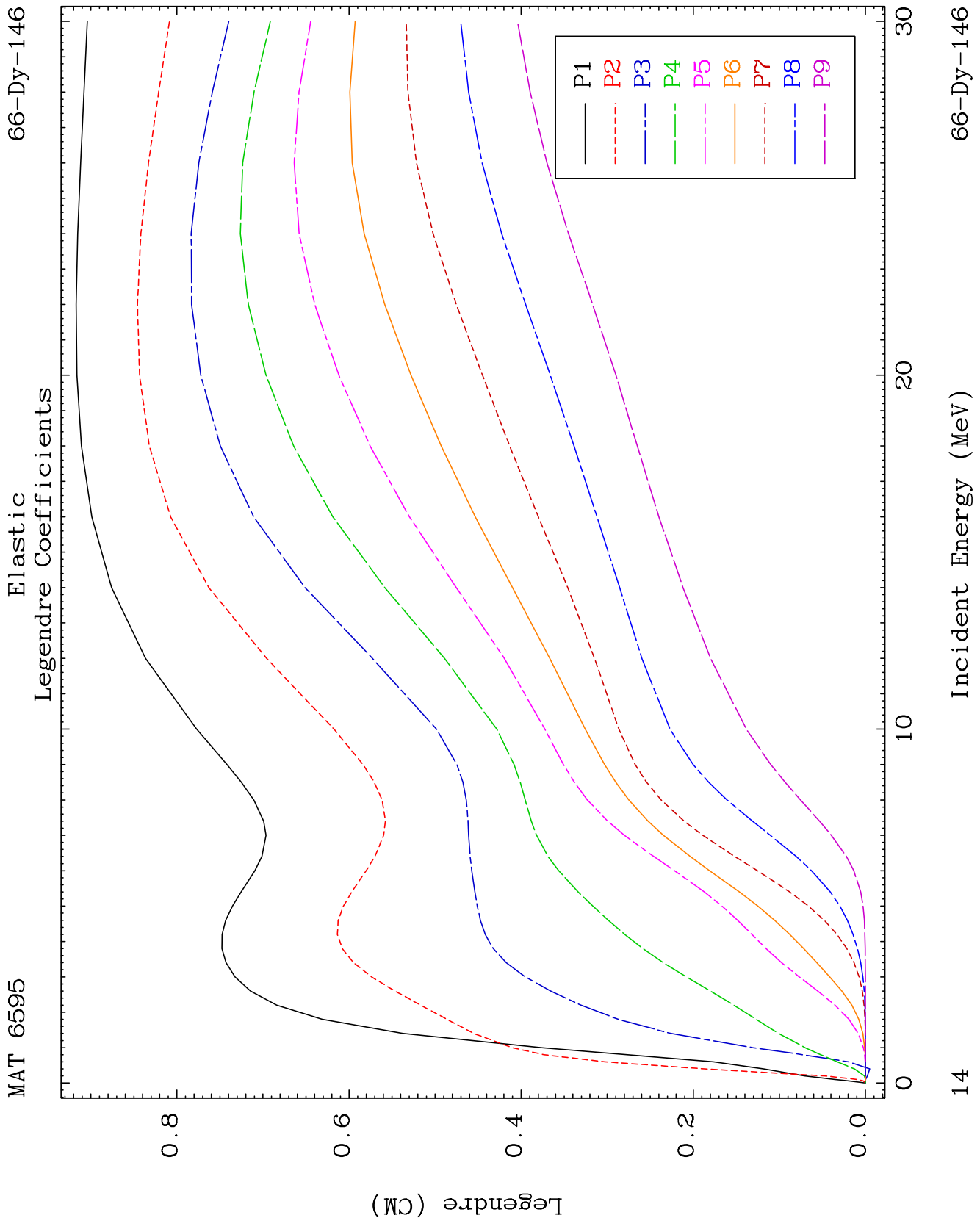


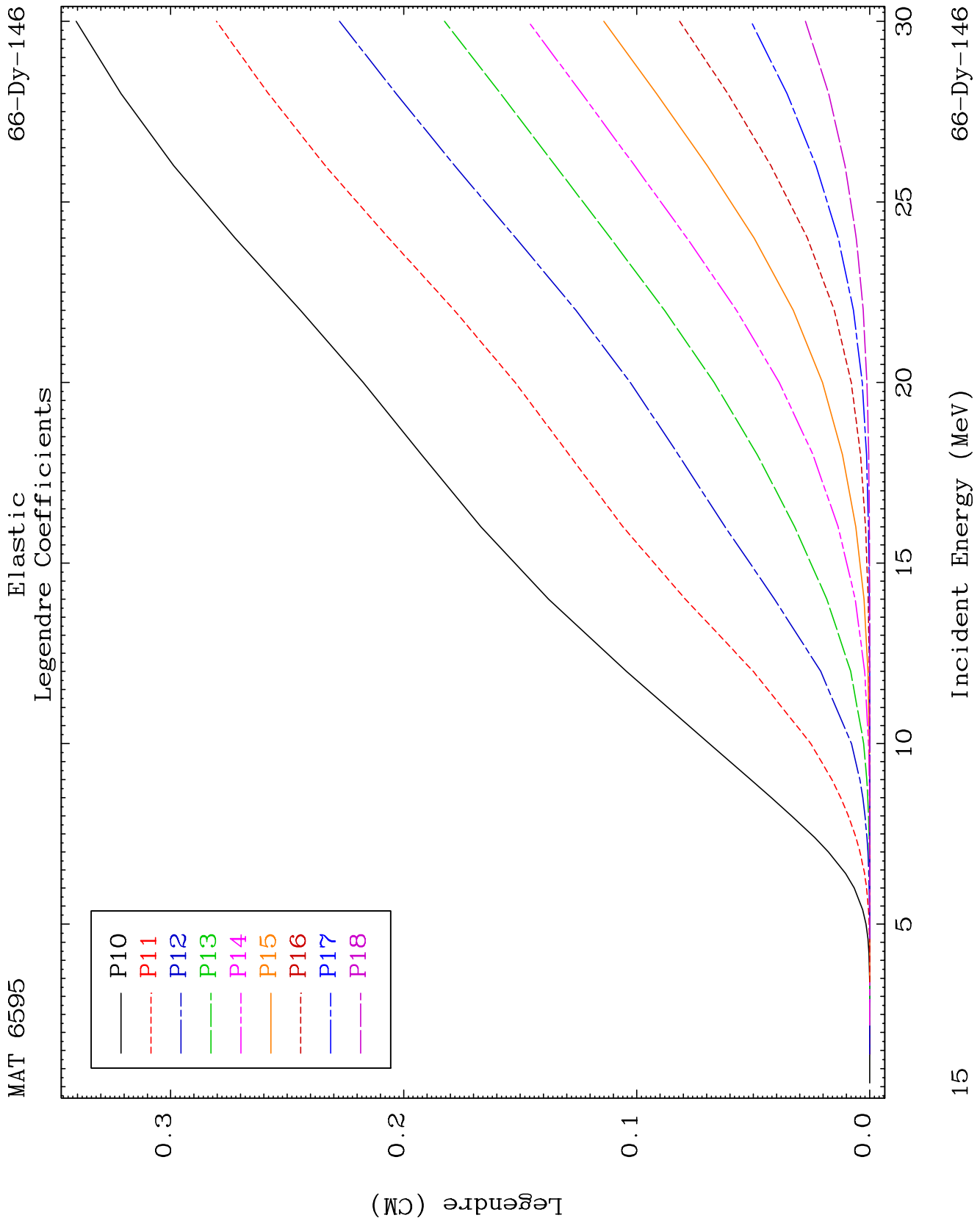
12

Incident Energy (MeV)

66-Dy-146





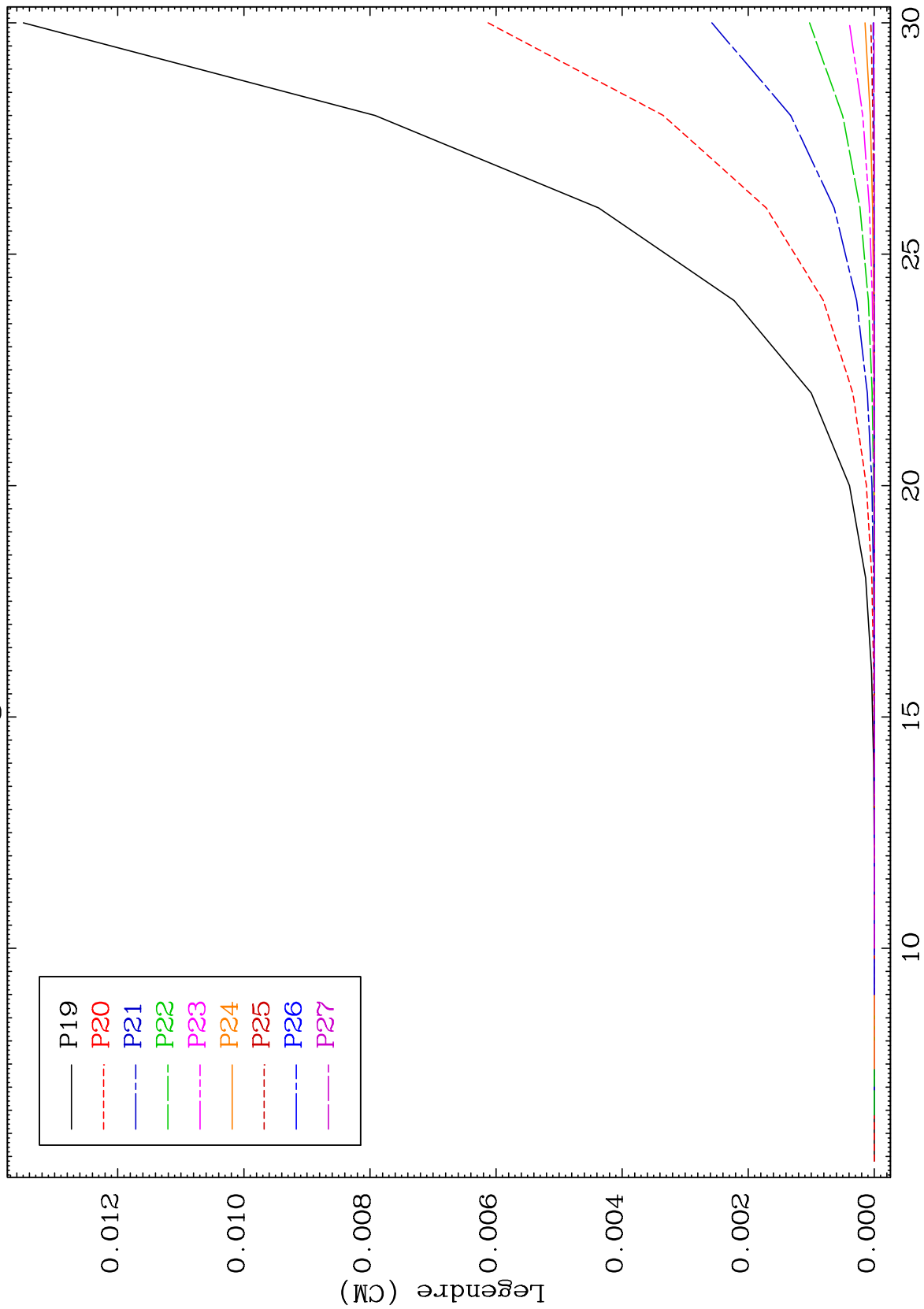




MAT 6595

Elastic Legendre Coefficients

66-Dy-146



16

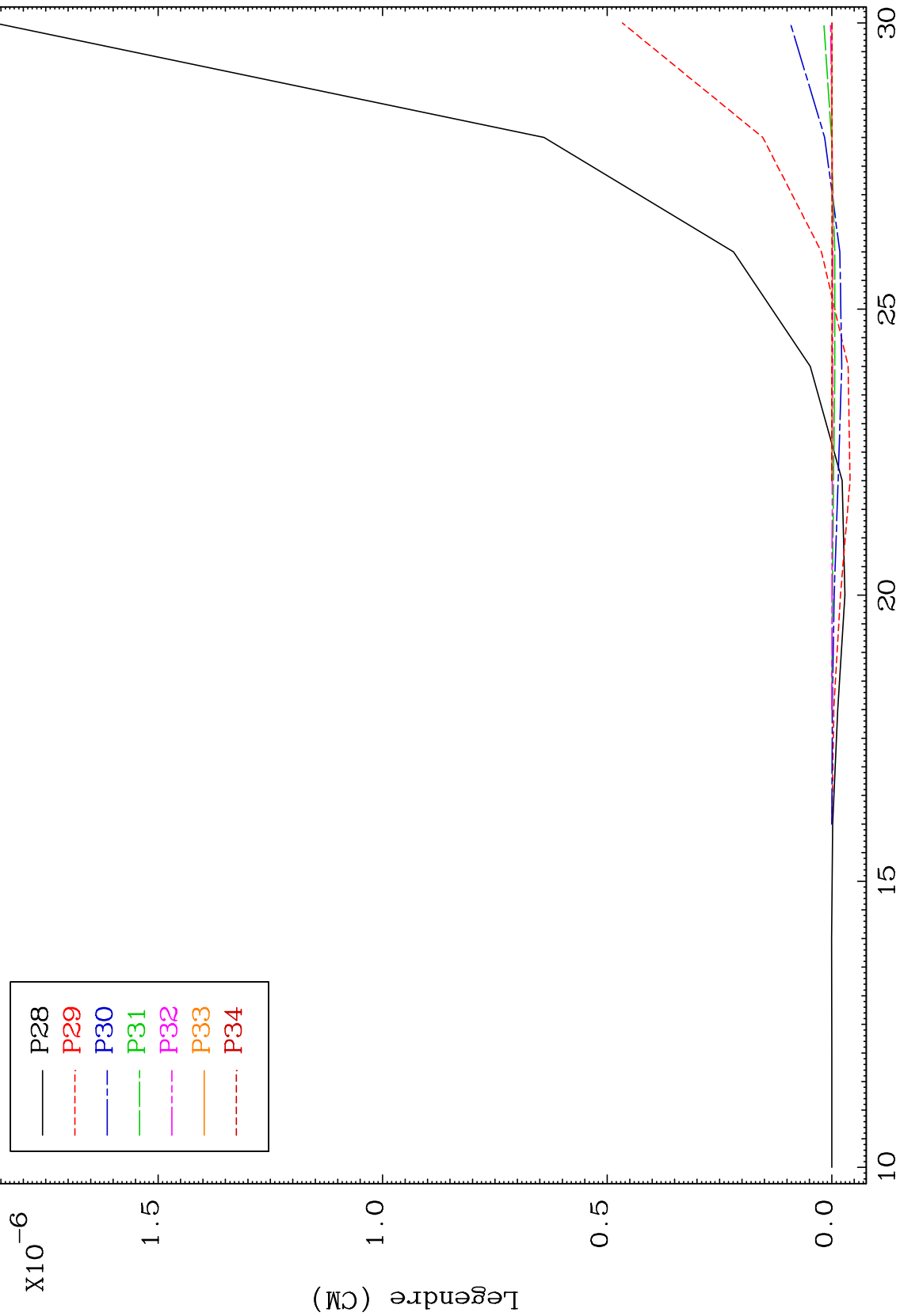
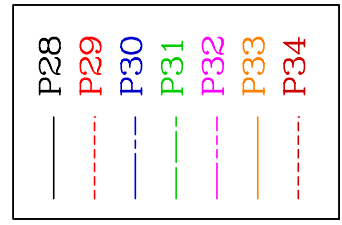
Incident Energy (MeV)

66-Dy-146

MAT 6595

Elastic Legendre Coefficients

66-Dy-146



66-Dy-146

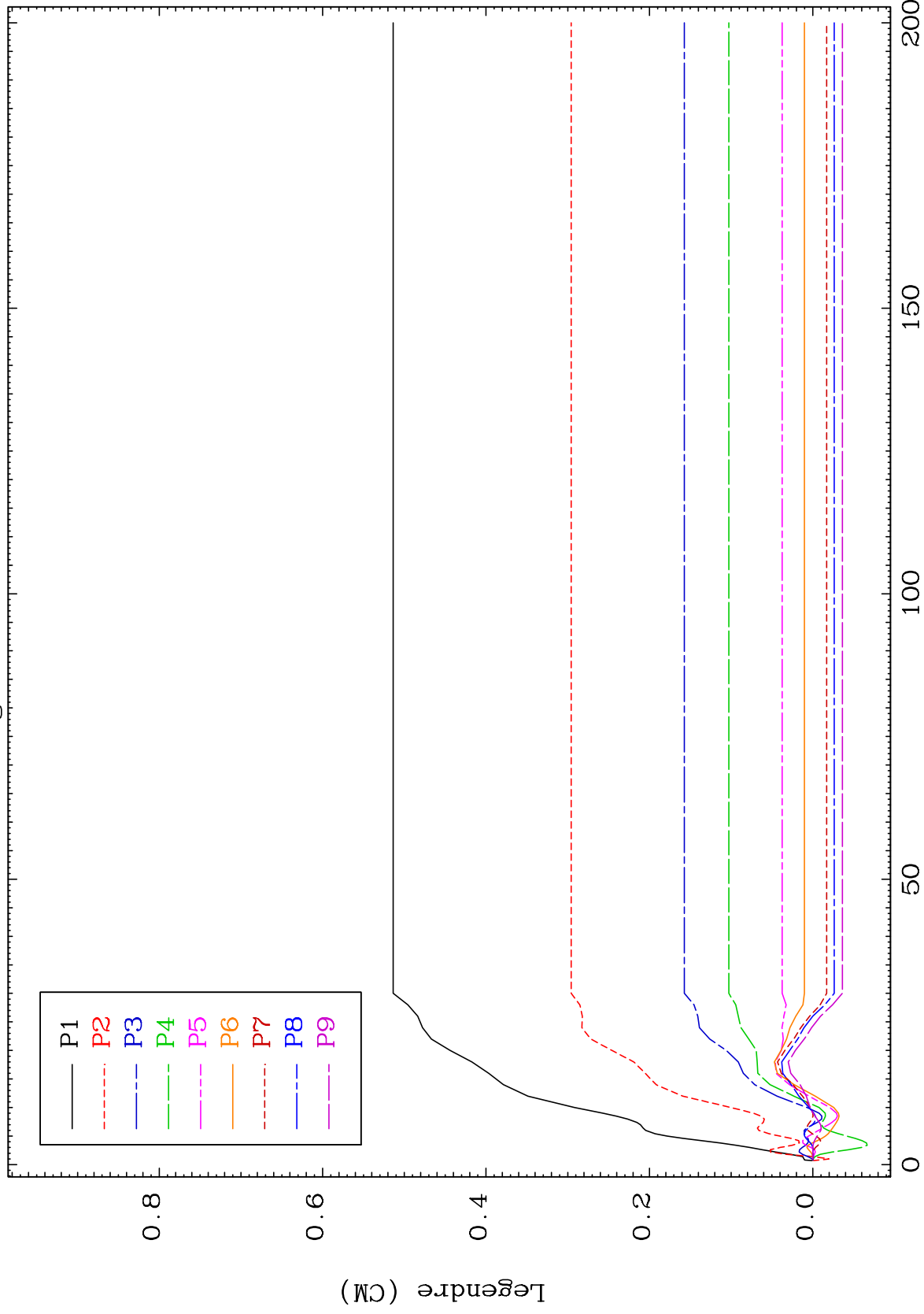
Incident Energy (MeV)

17

MAT 6595

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

66-Dy-146



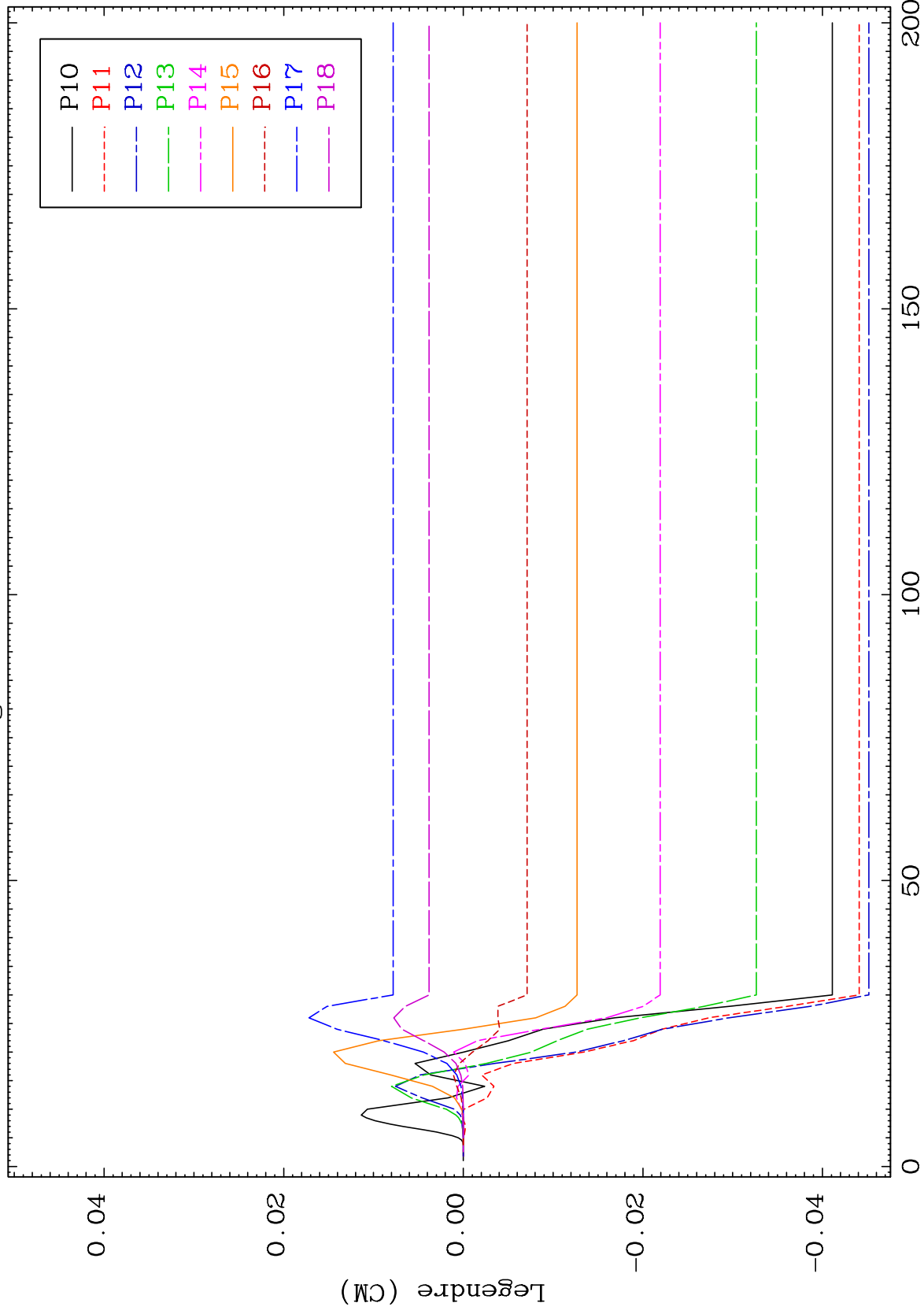
18

66-Dy-146

MAT 6595

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

66-Dy-146



19

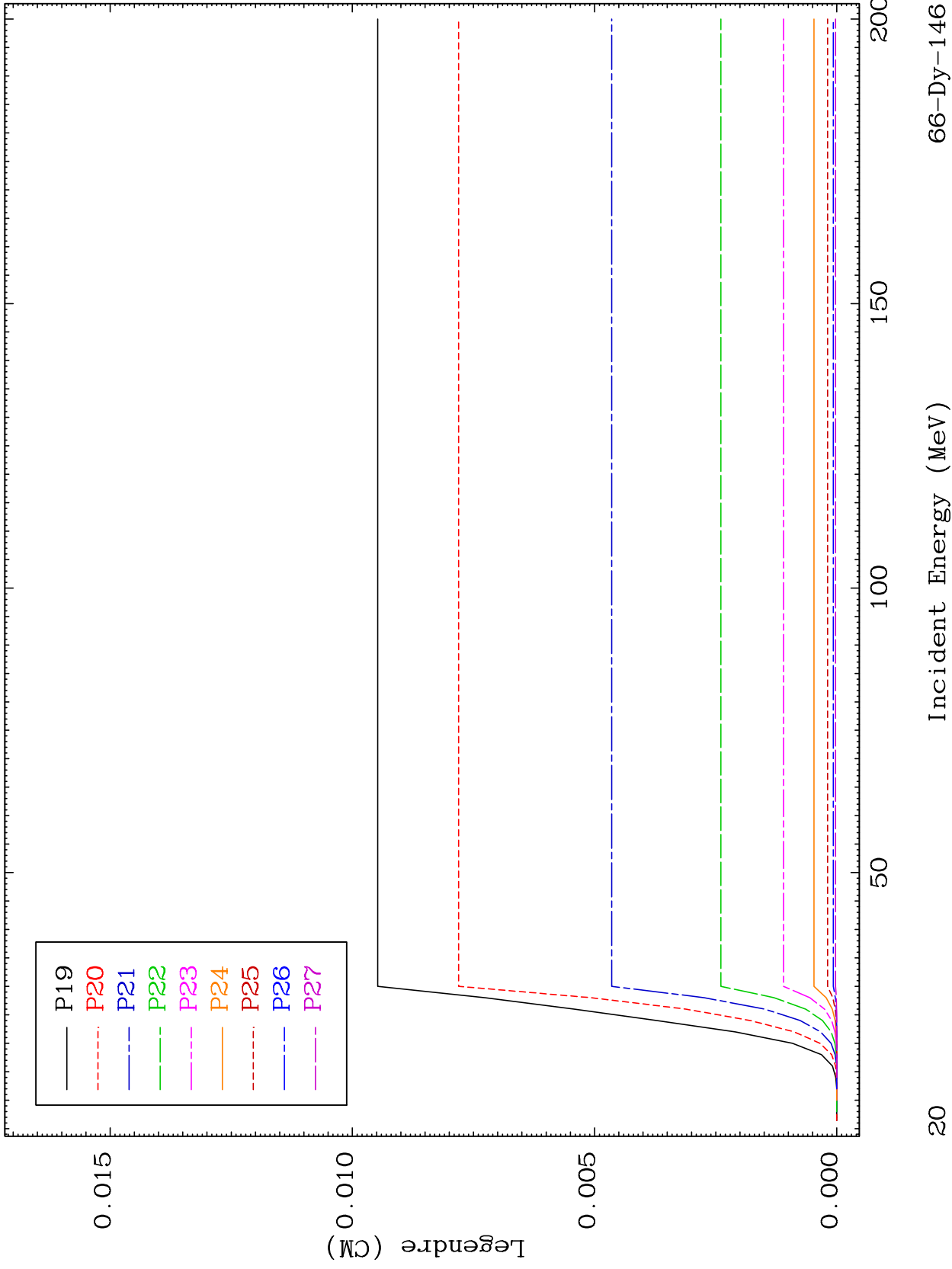
Incident Energy (MeV)

66-Dy-146

MAT 6595

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

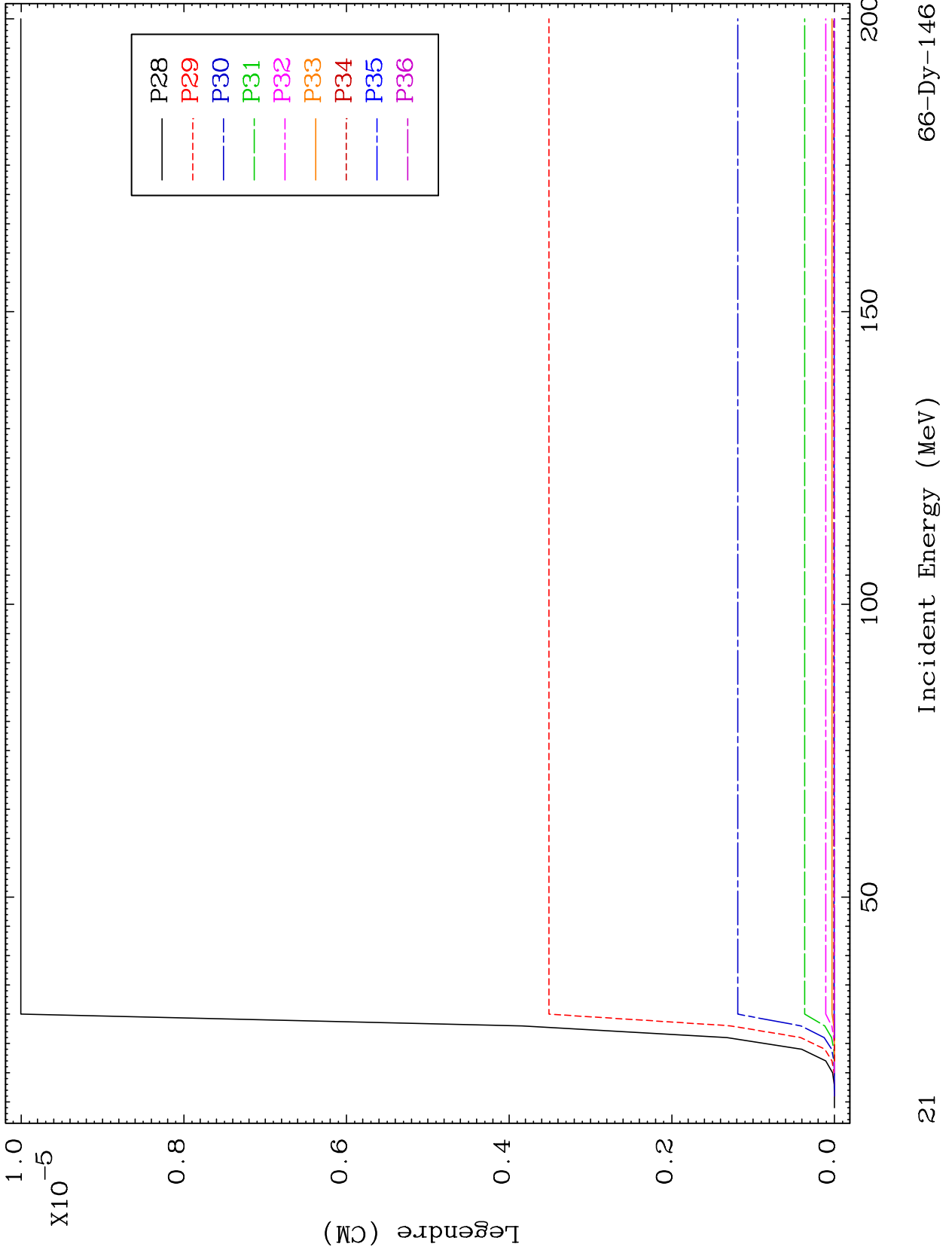
66-Dy-146



MAT 6595

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

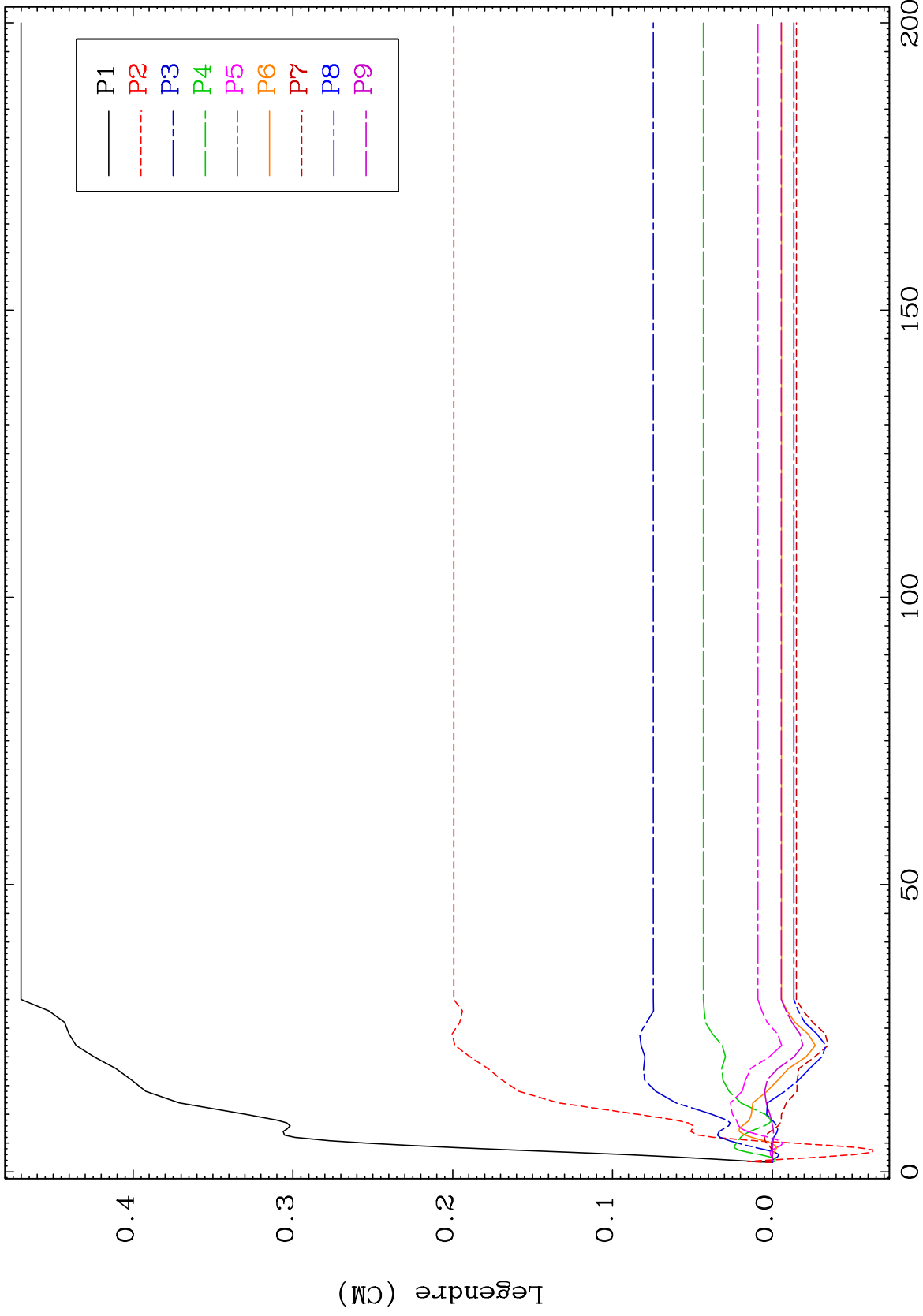
66-Dy-146



MAT 6595

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

66-Dy-146



22

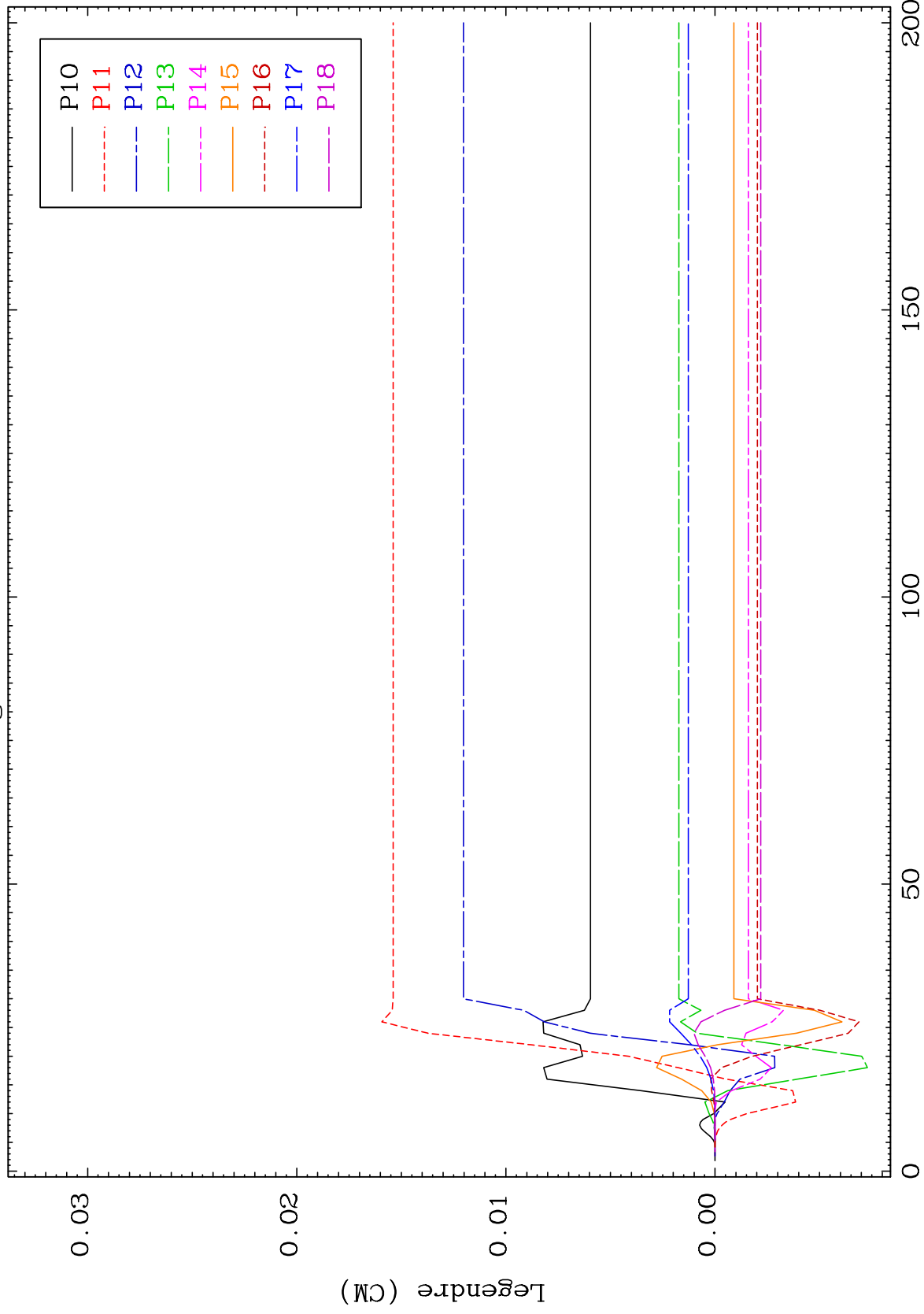
Incident Energy (MeV)

66-Dy-146

MAT 6595

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

66-Dy-146



23

Incident Energy (MeV)

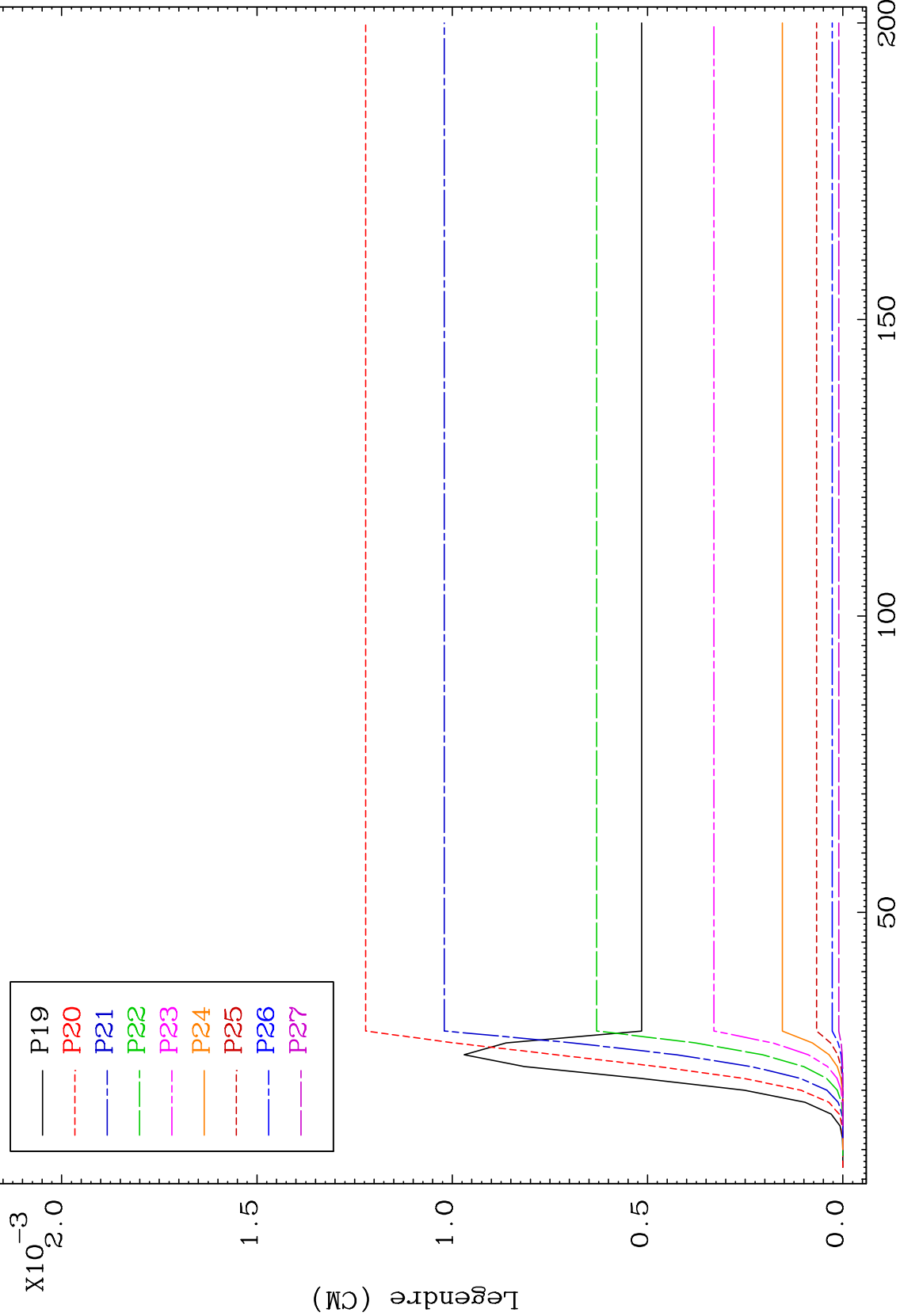
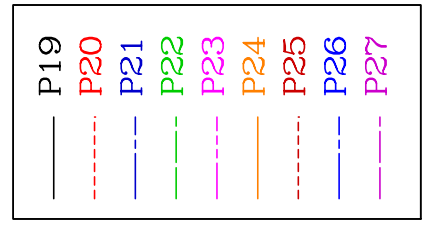
66-Dy-146



MAT 6595

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

66-Dy-146



24

Incident Energy (MeV)

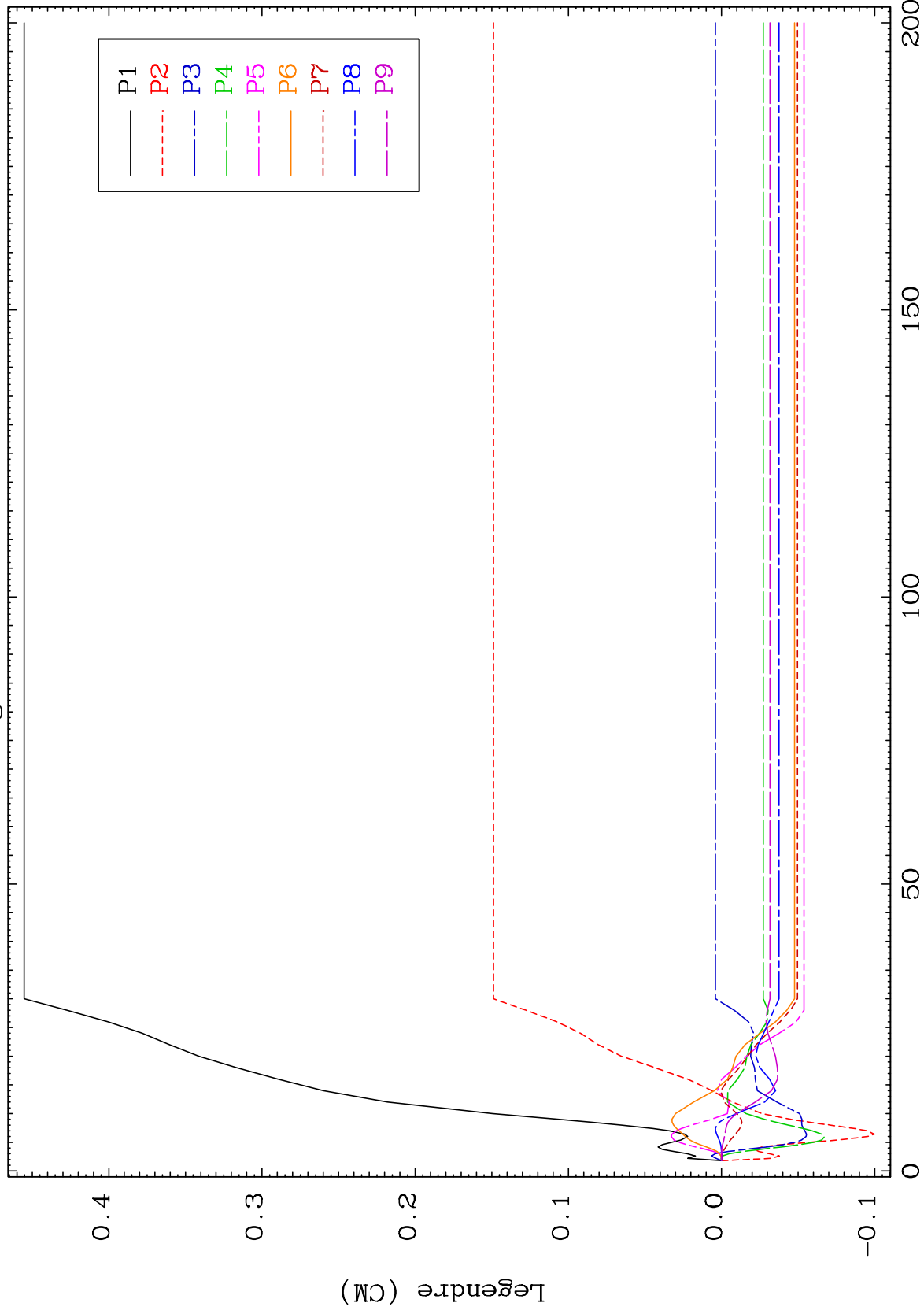
66-Dy-146



MAT 6595

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

66-Dy-146



66-Dy-146

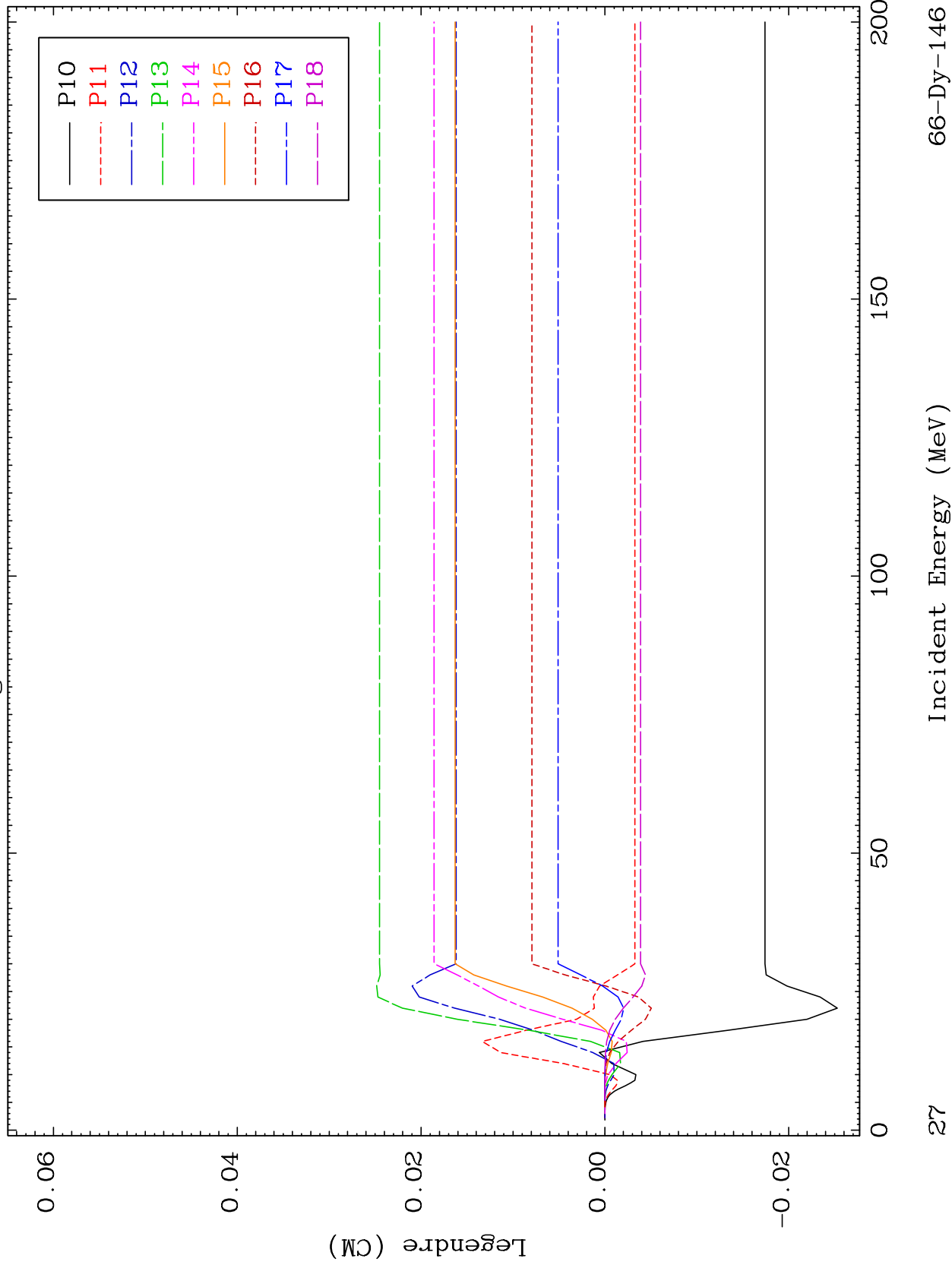
Incident Energy (MeV)

26

MAT 6595

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

66-Dy-146



27

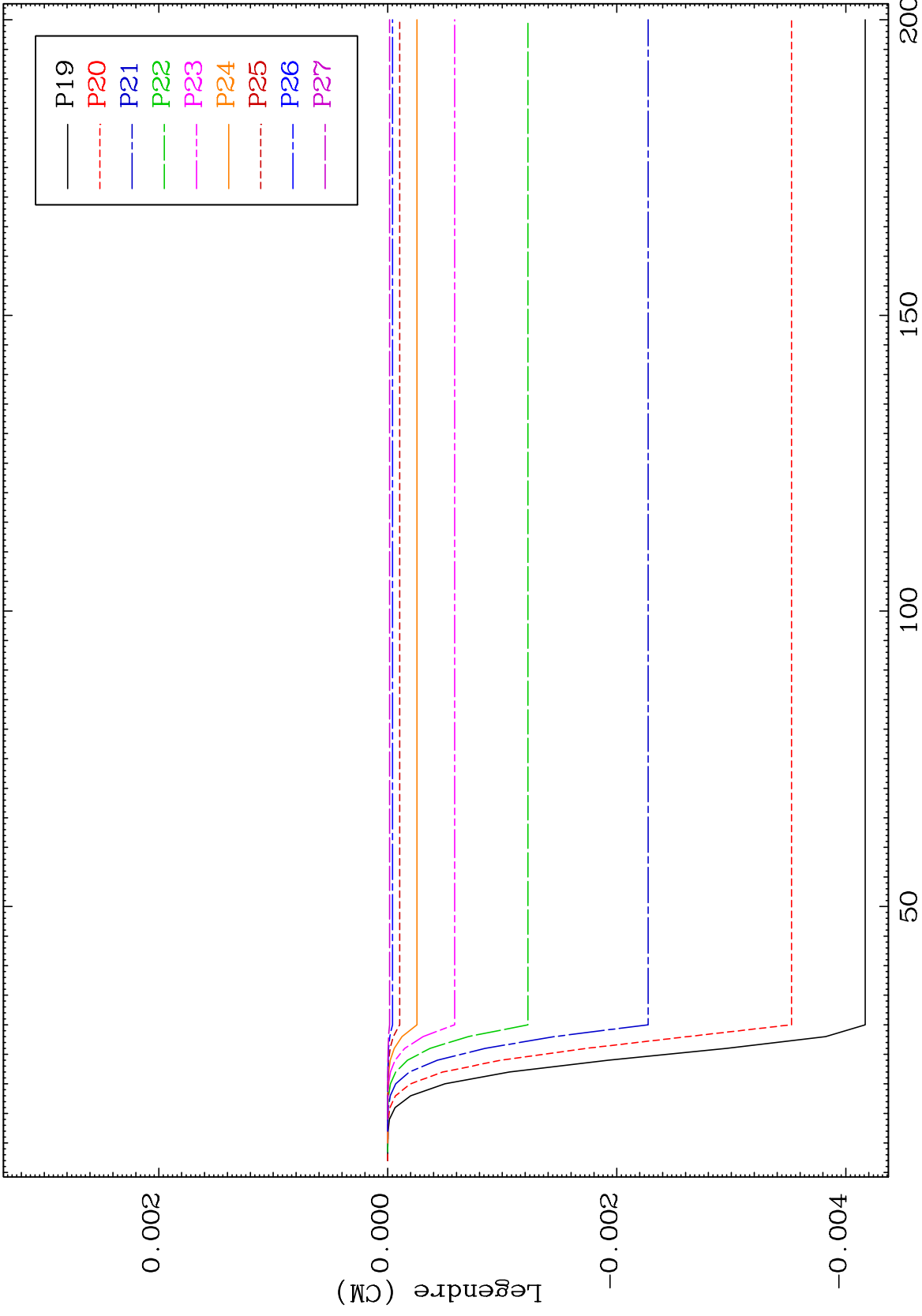
Incident Energy (MeV)

66-Dy-146

MAT 6595

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

66-Dy-146



28

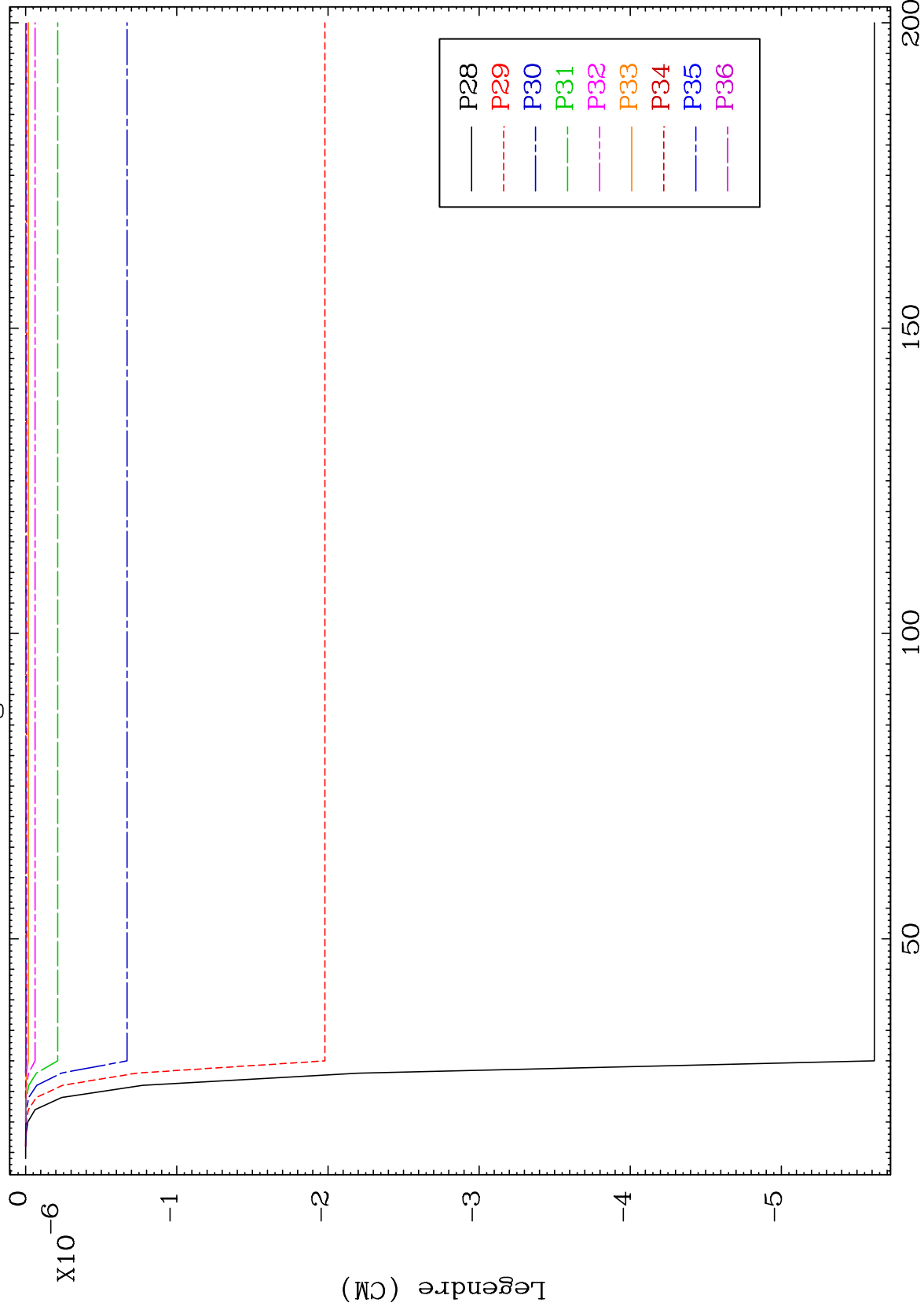
Incident Energy (MeV)

66-Dy-146

MAT 6595

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

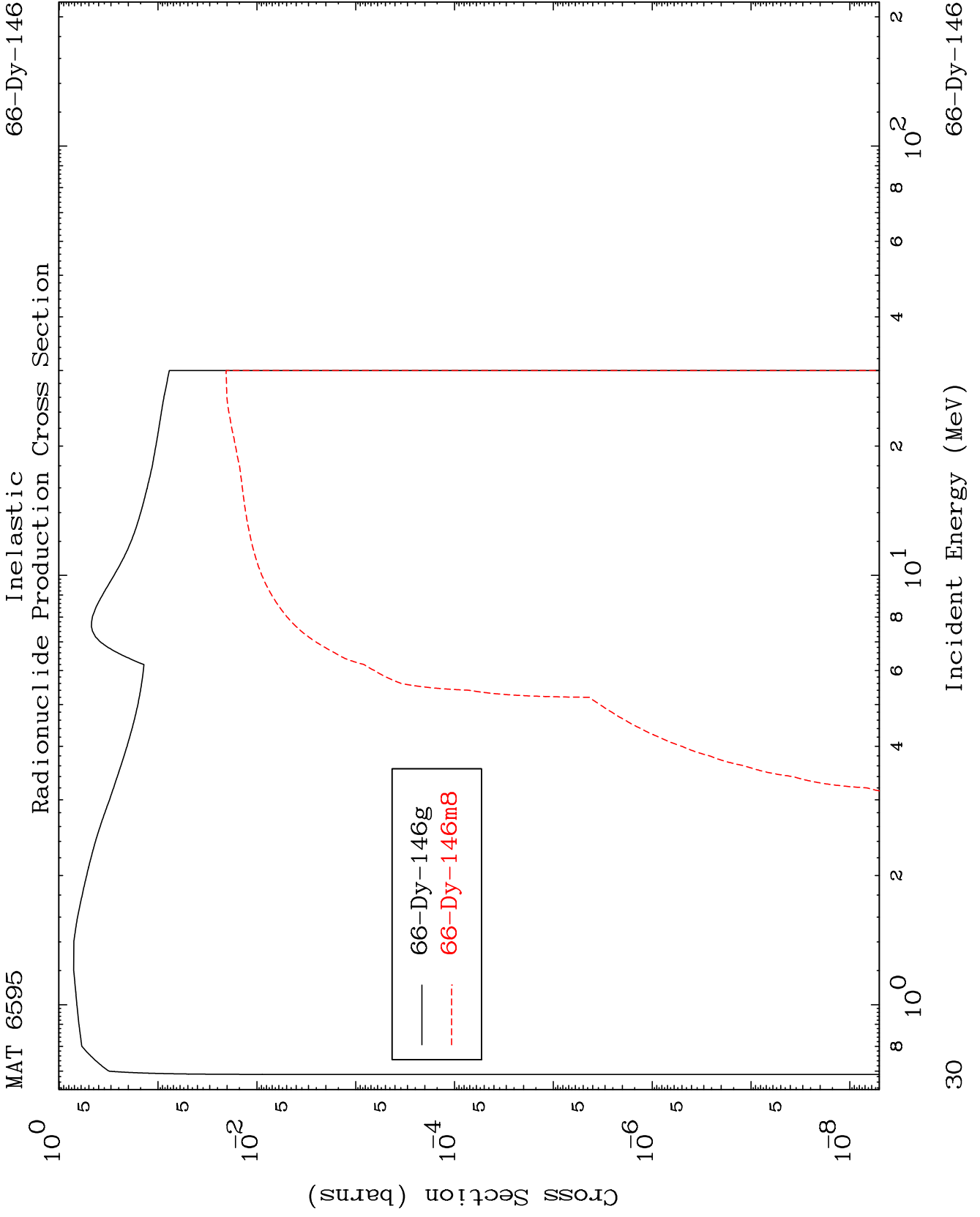
66-Dy-146



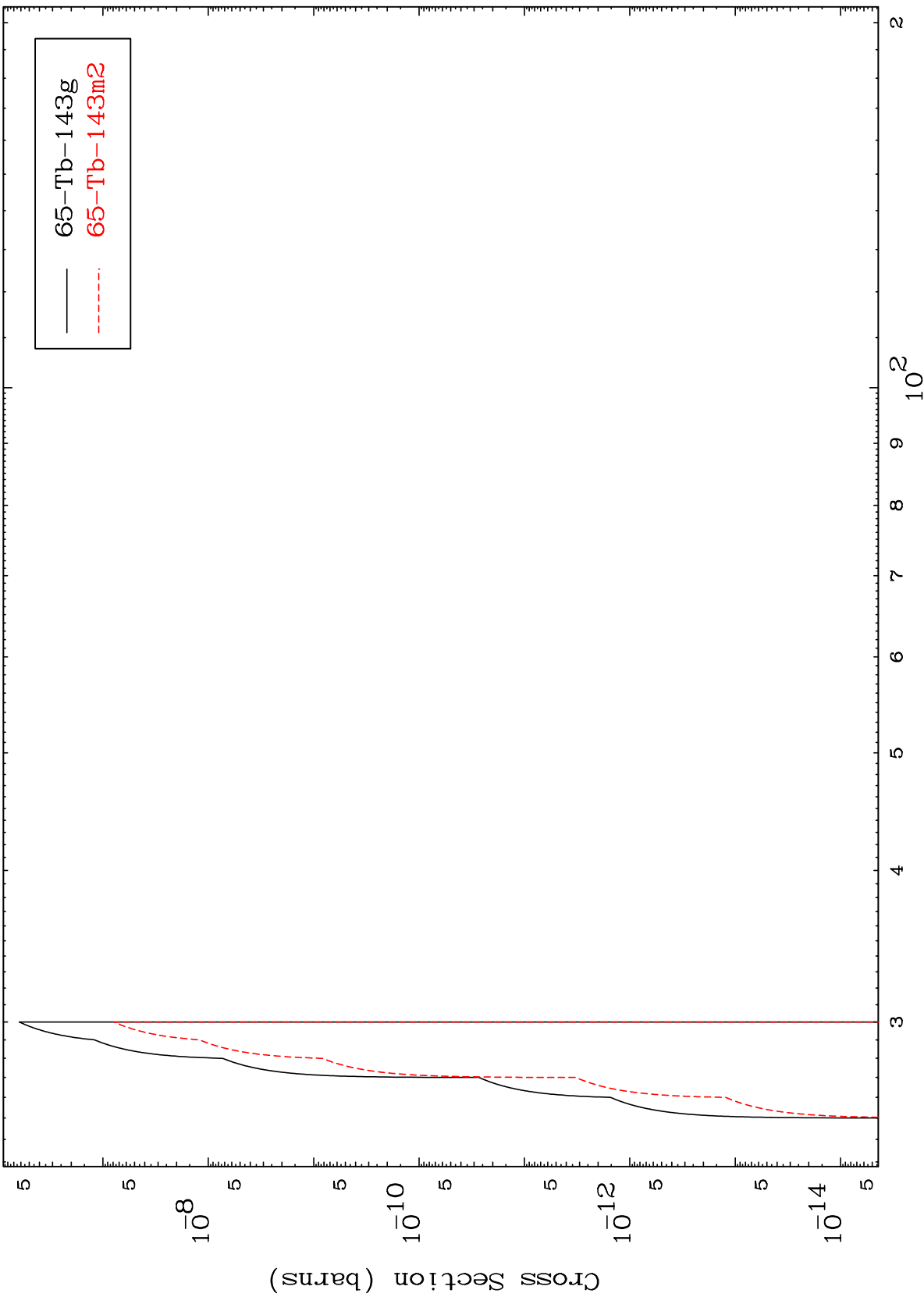
29

Incident Energy (MeV)

66-Dy-146



Radionuclide Production Cross Section



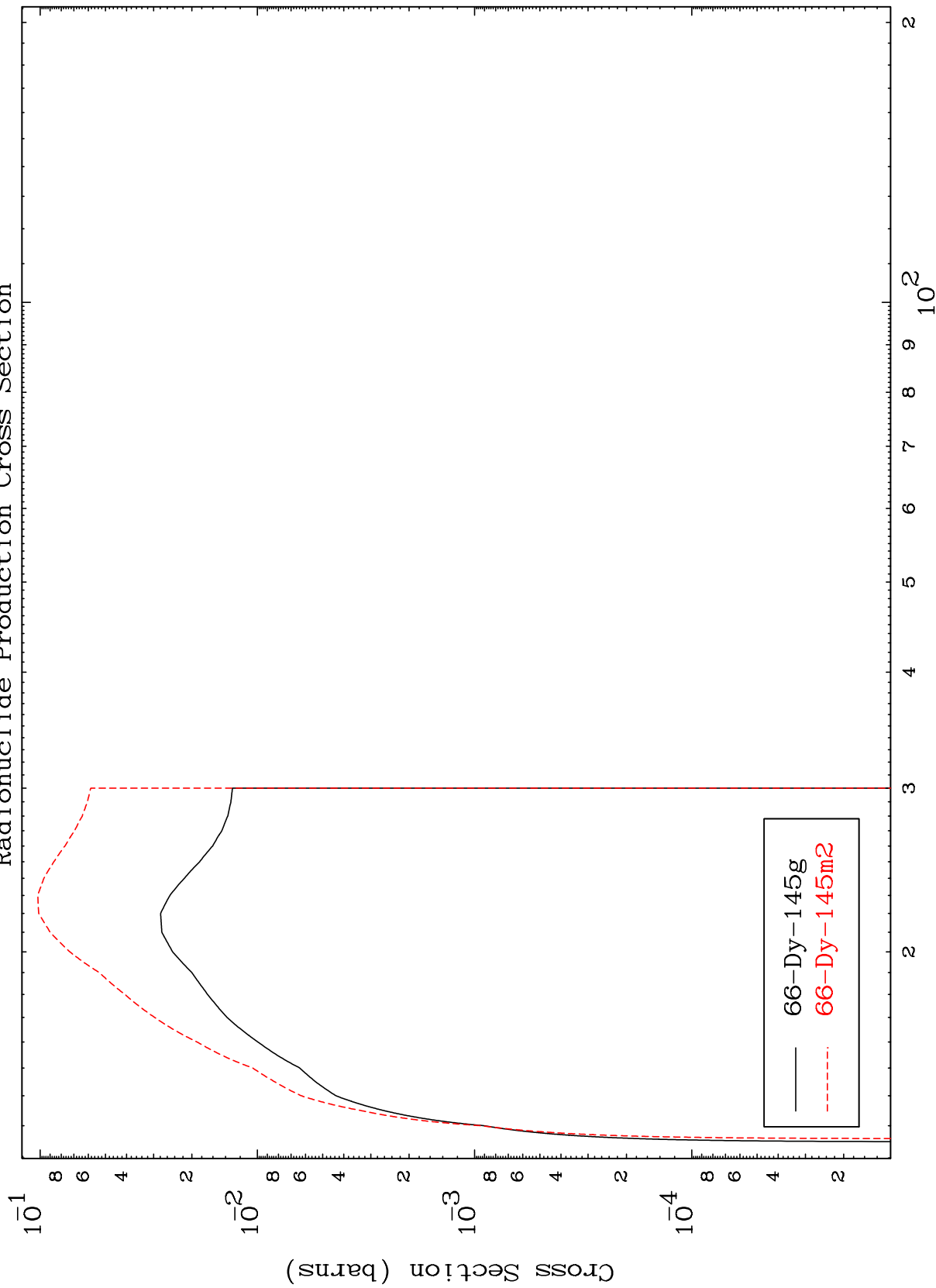
65-Tb-143g  
65-Tb-143m2



MAT 6595

66-Dy-146

(n,2n)  
Radionuclide Production Cross Section



66-Dy-146

Incident Energy (MeV)

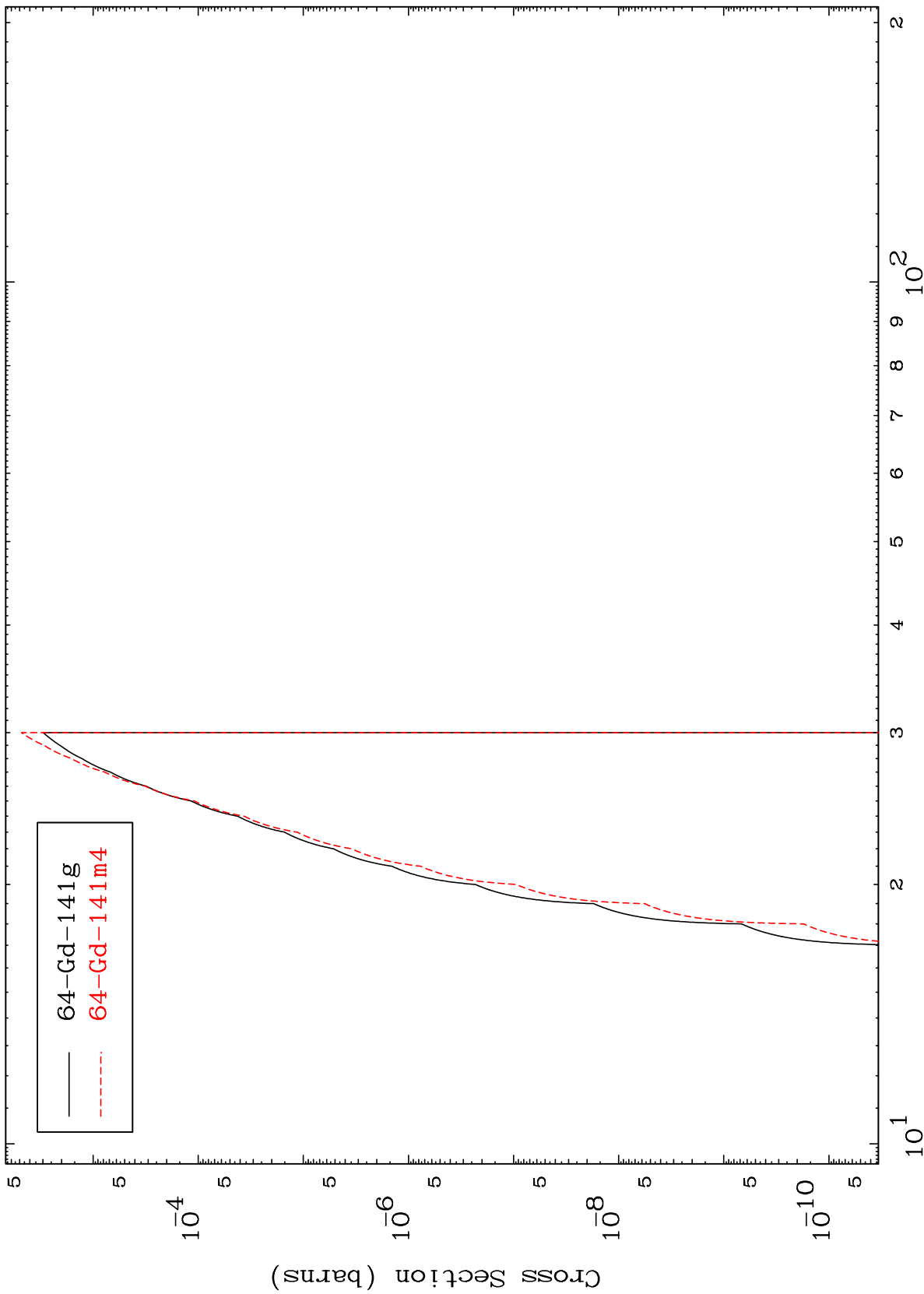
32

MAT 6595

(n,2n)  $\alpha$

66-Dy-146

Radionuclide Production Cross Section

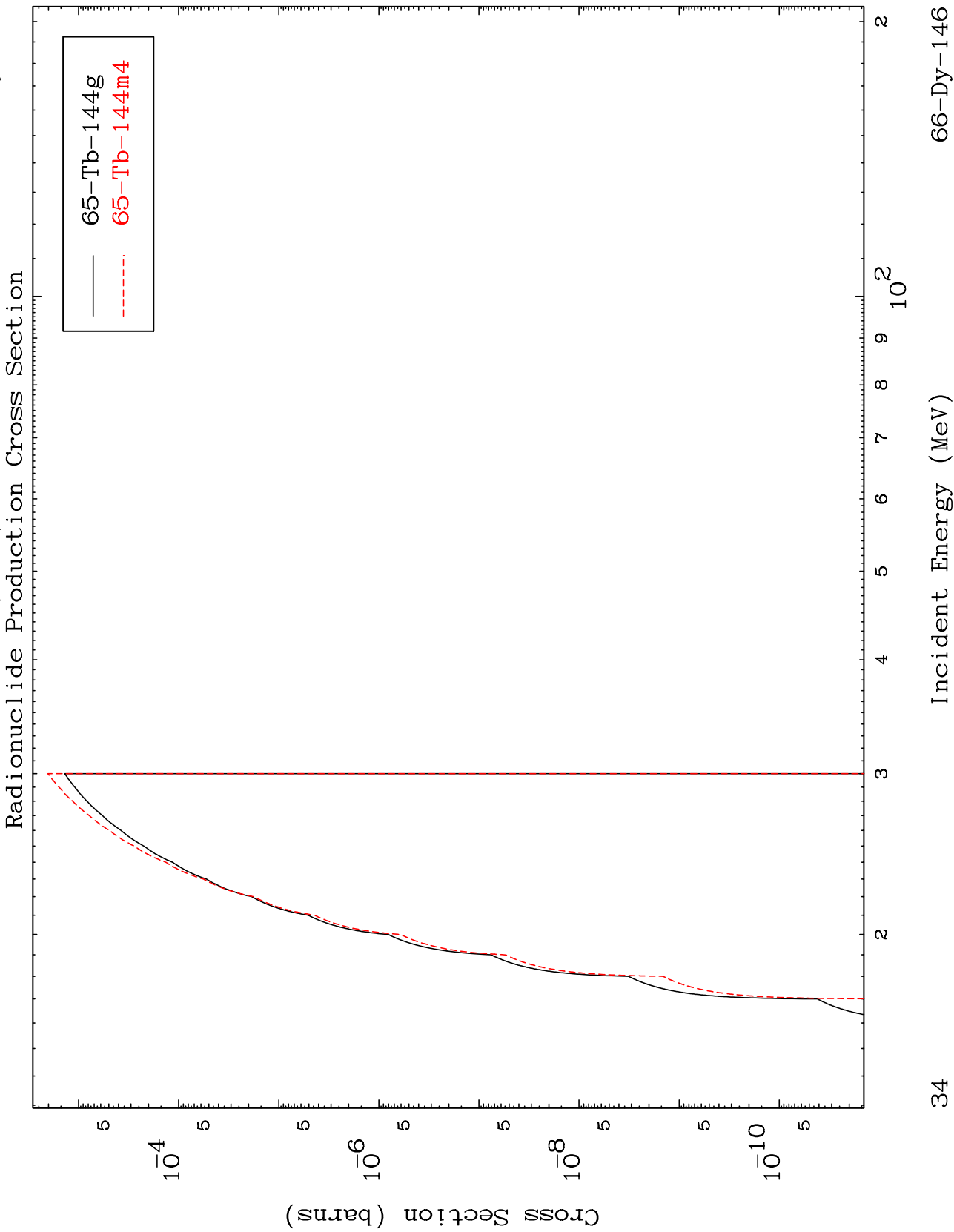


64-Gd-141g  
64-Gd-141m4

Incident Energy (MeV)

66-Dy-146

33

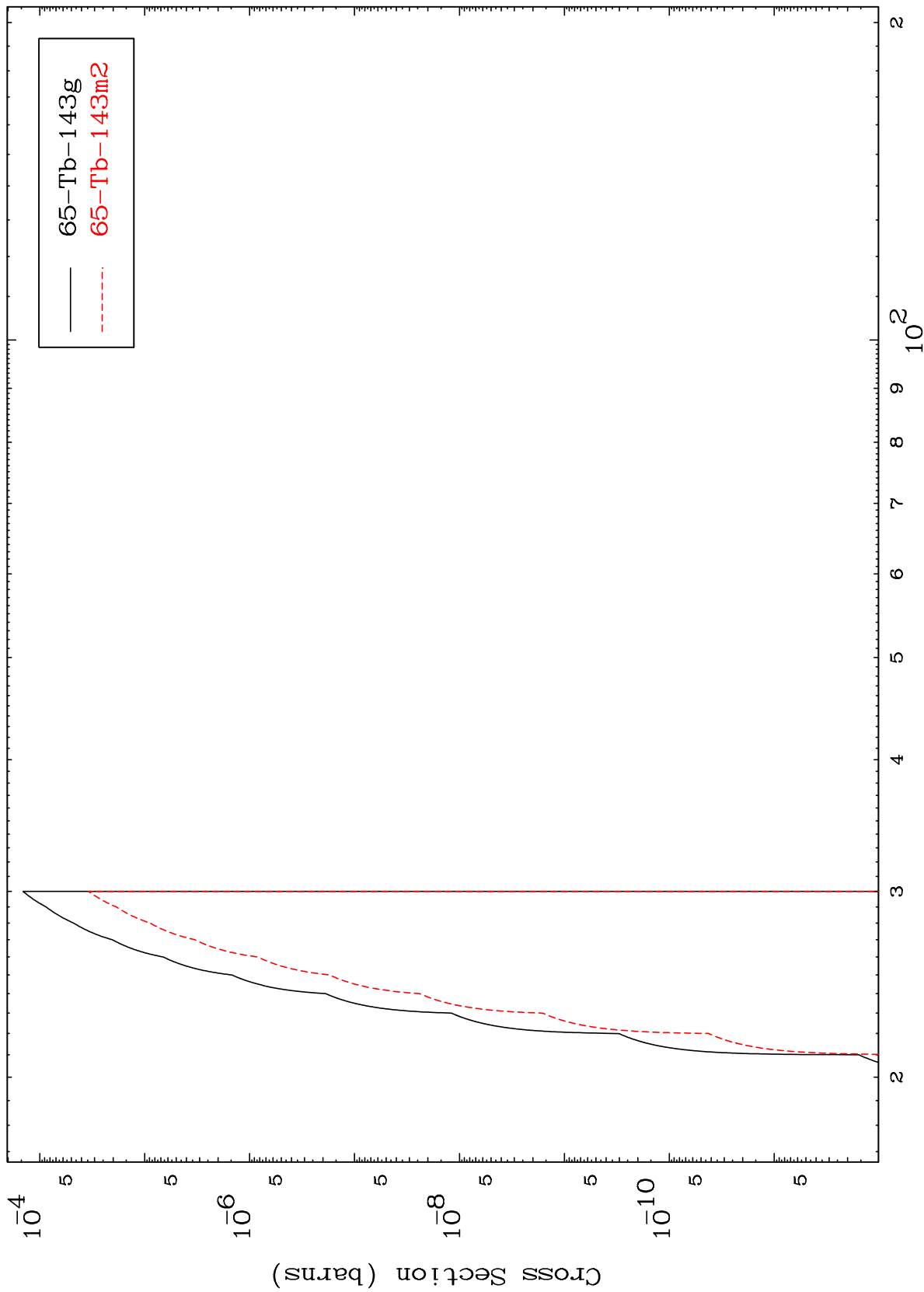


MAT 6595

(n,n') t

66-Dy-146

Radionuclide Production Cross Section



35

Incident Energy (MeV)

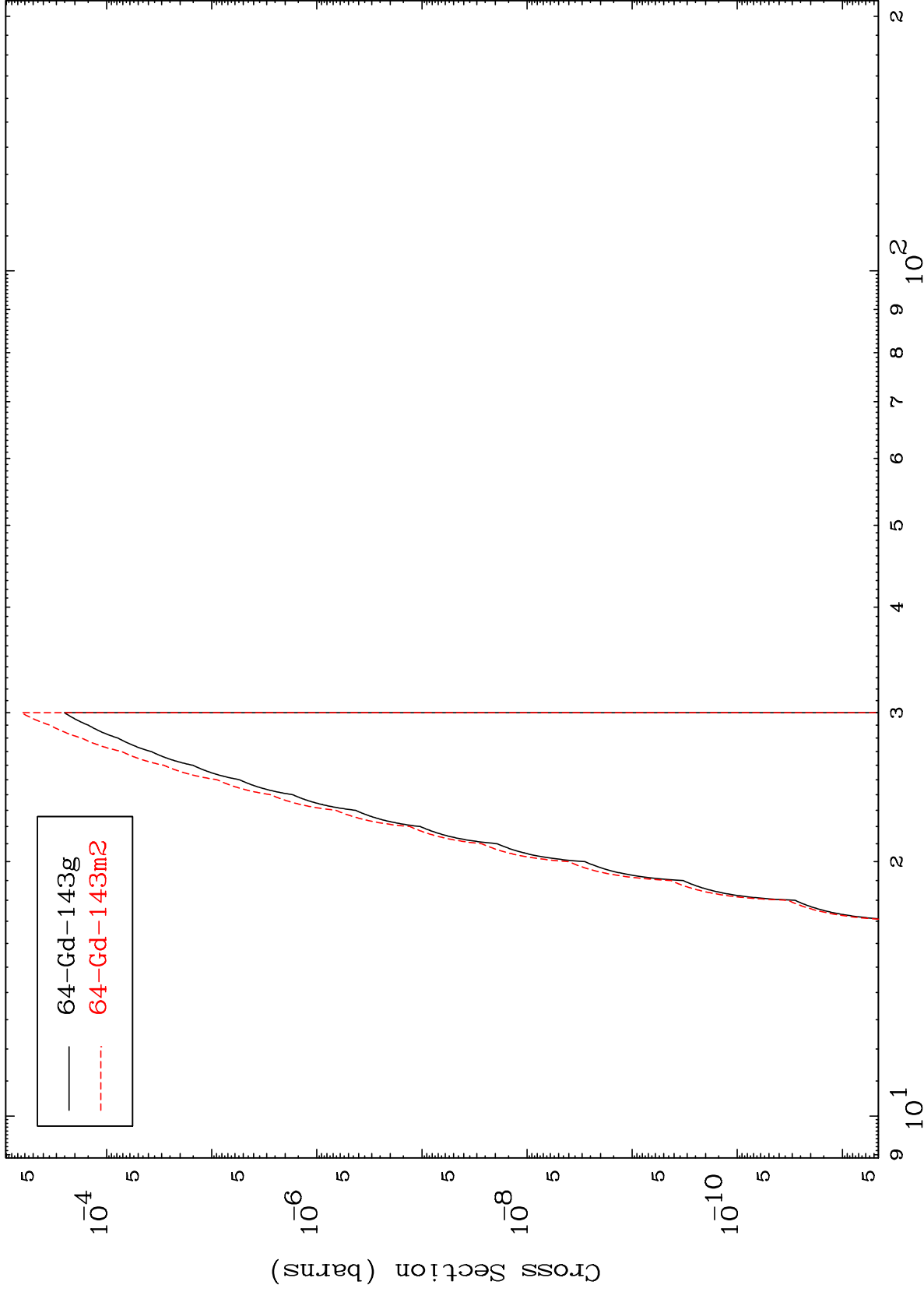
66-Dy-146

MAT 6595

(n,n') He-3

66-Dy-146

Radionuclide Production Cross Section

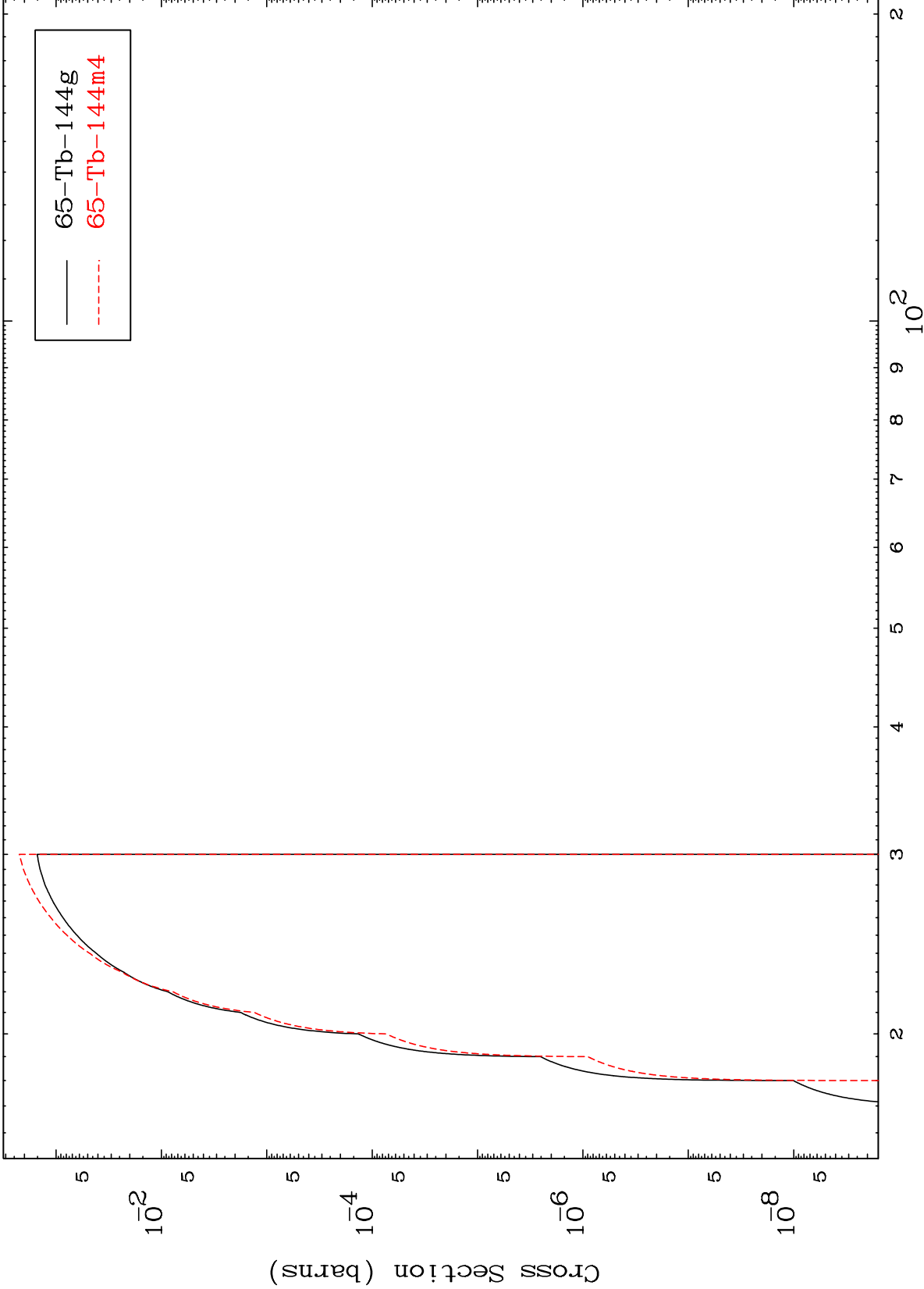


36

Incident Energy (MeV)

66-Dy-146

Radionuclide Production Cross Section

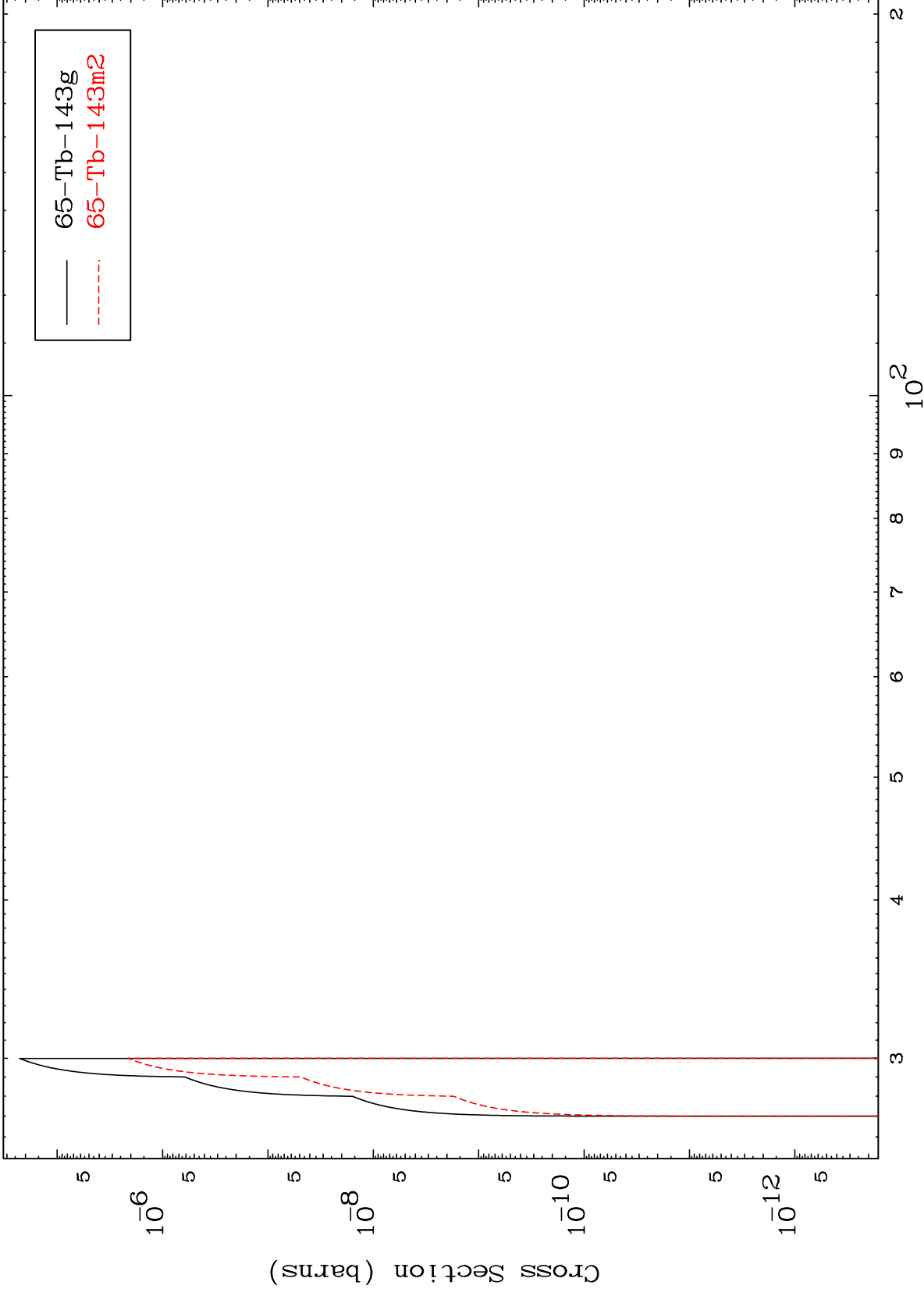


MAT 6595

(n,3n) p

66-Dy-146

Radionuclide Production Cross Section



38

Incident Energy (MeV)

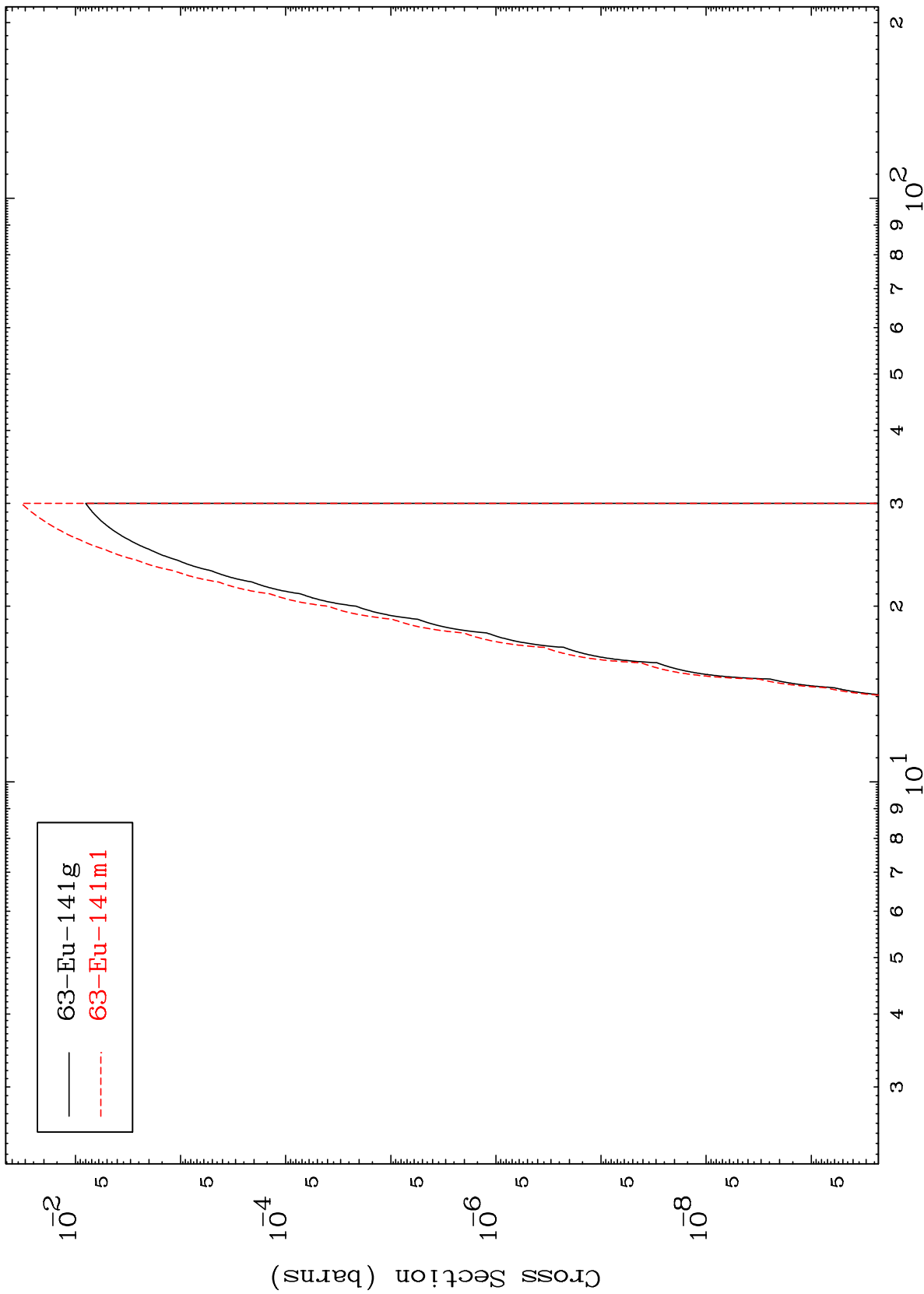
66-Dy-146

MAT 6595

(n,n') p  $\alpha$

66-Dy-146

Radionuclide Production Cross Section



39

Incident Energy (MeV)

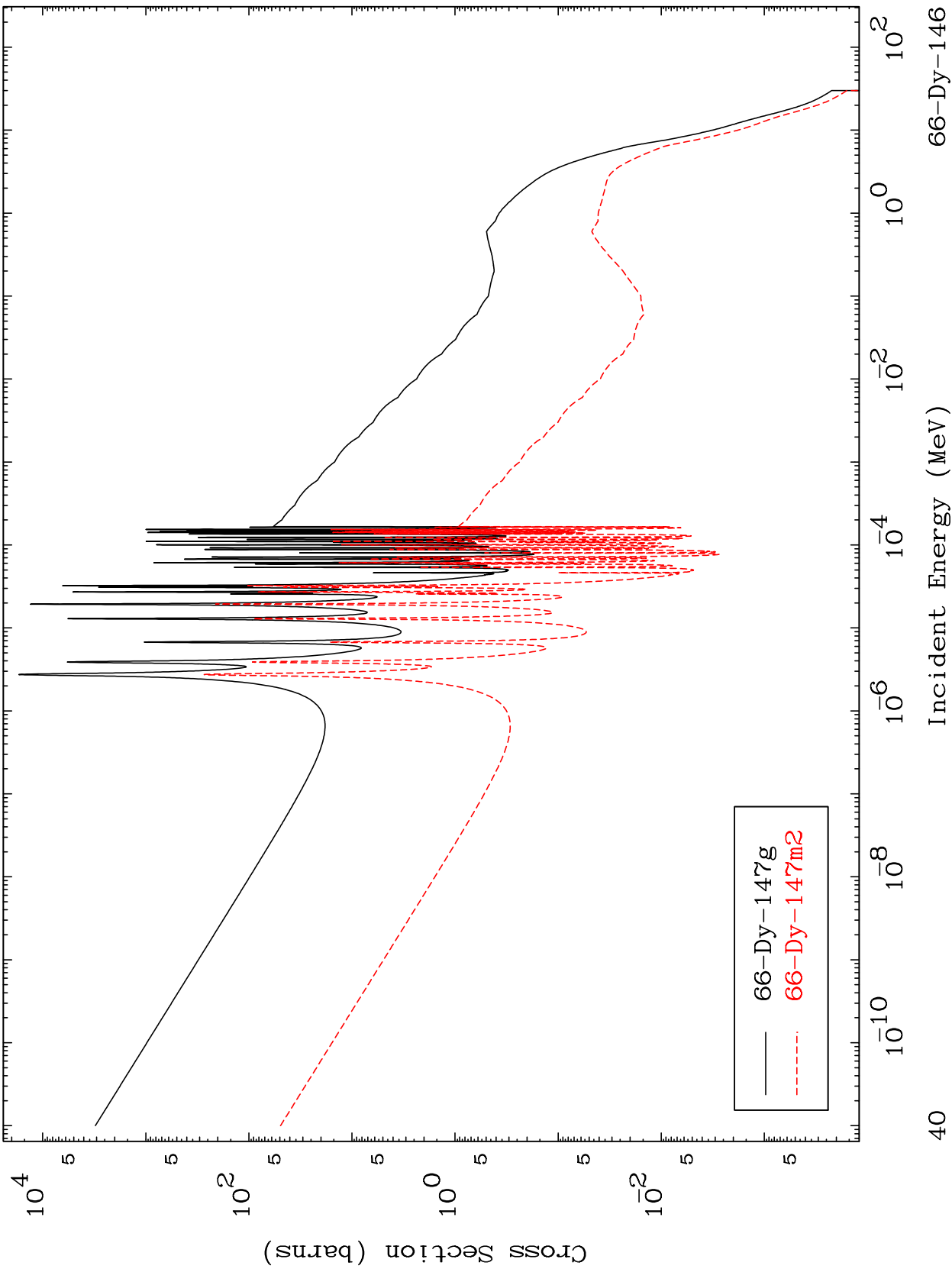
66-Dy-146



MAT 6595

66-Dy-146

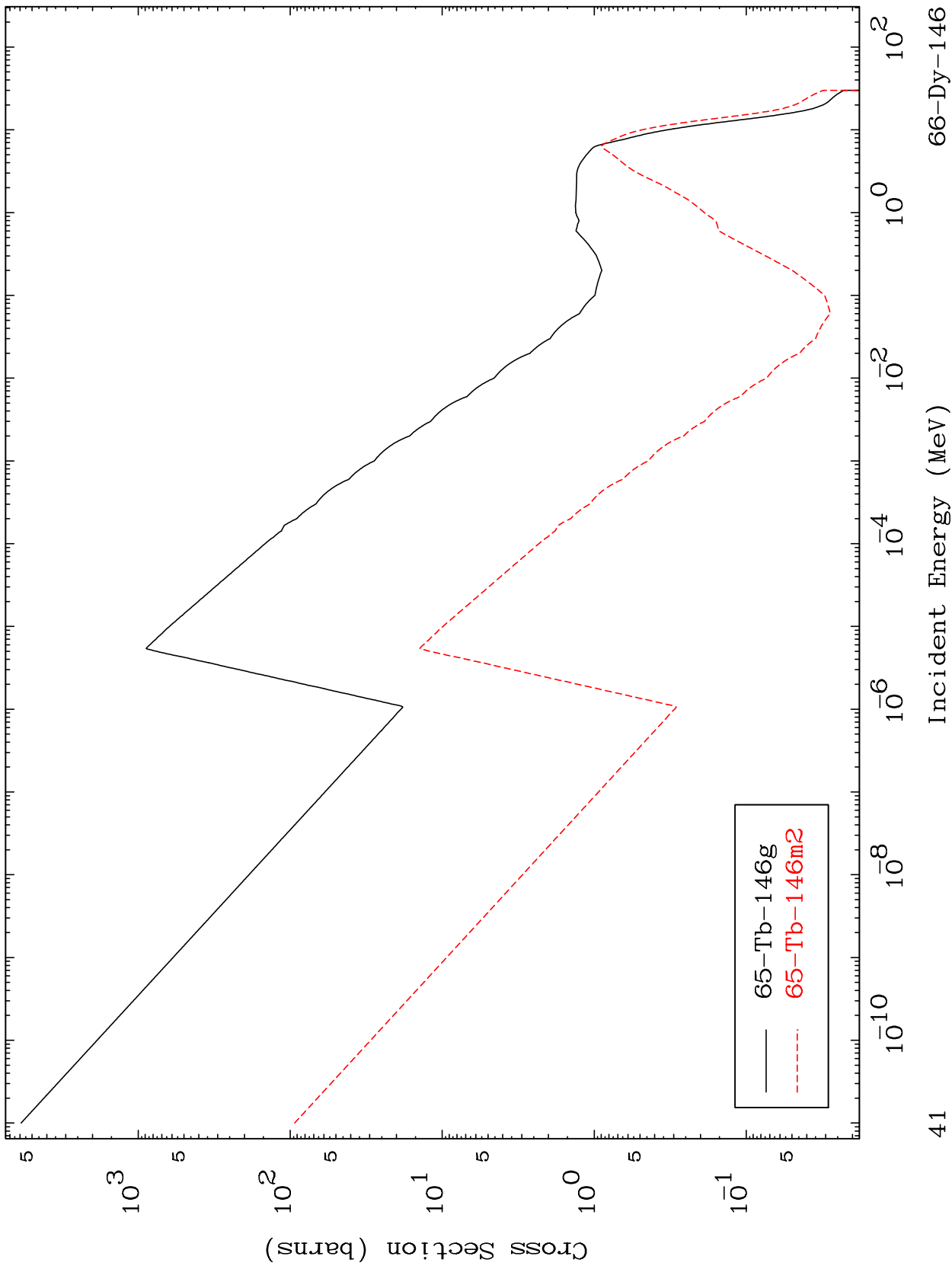
(n,  $\gamma$ )  
Radionuclide Production Cross Section



MAT 6595

66-Dy-146

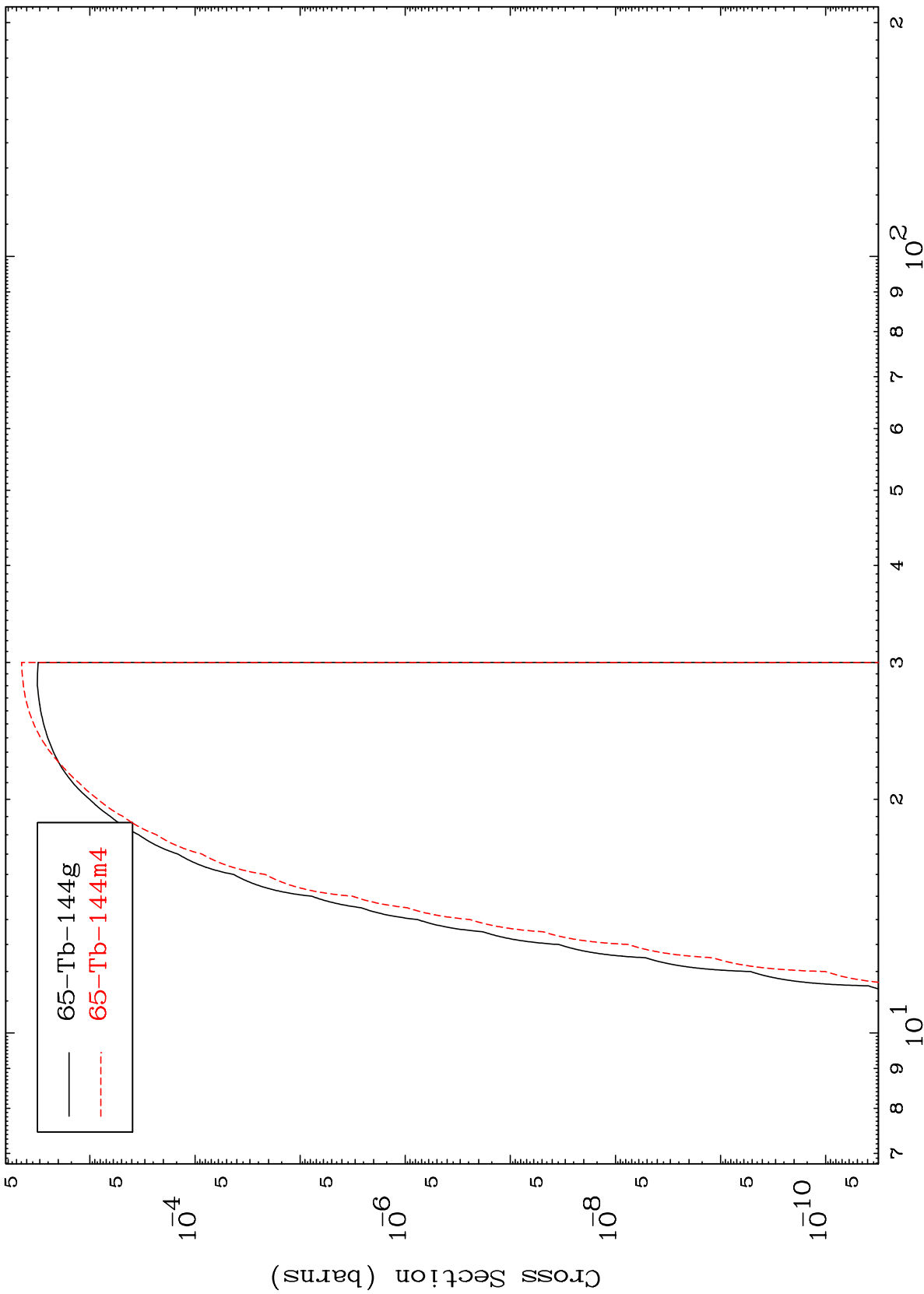
(n,p)  
Radionuclide Production Cross Section



MAT 6595

66-Dy-146

(n,t)  
Radionuclide Production Cross Section



42

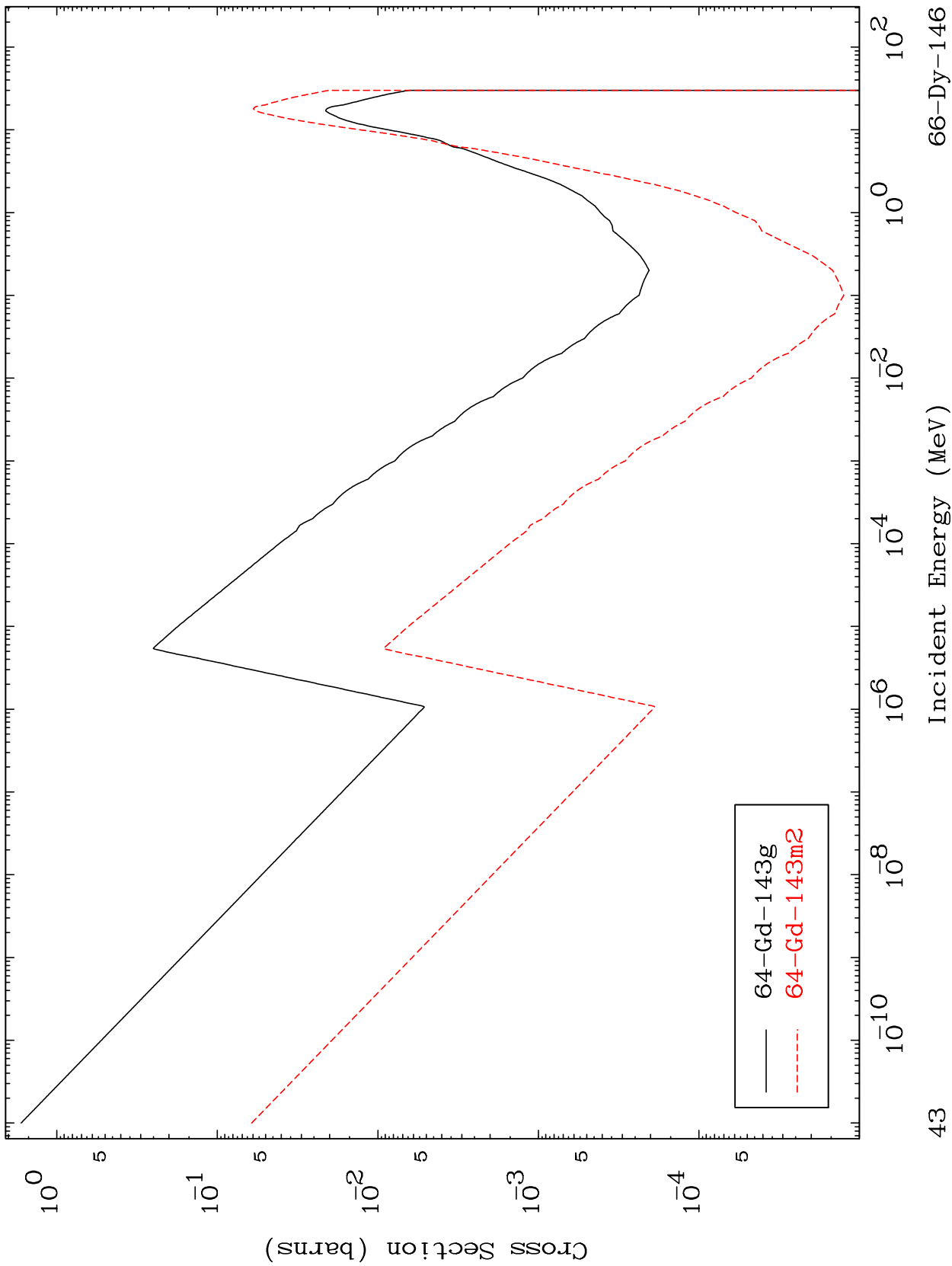
Incident Energy (MeV)

66-Dy-146

MAT 6595

66-Dy-146

Radionuclide Production Cross Section  
(n,  $\alpha$ )

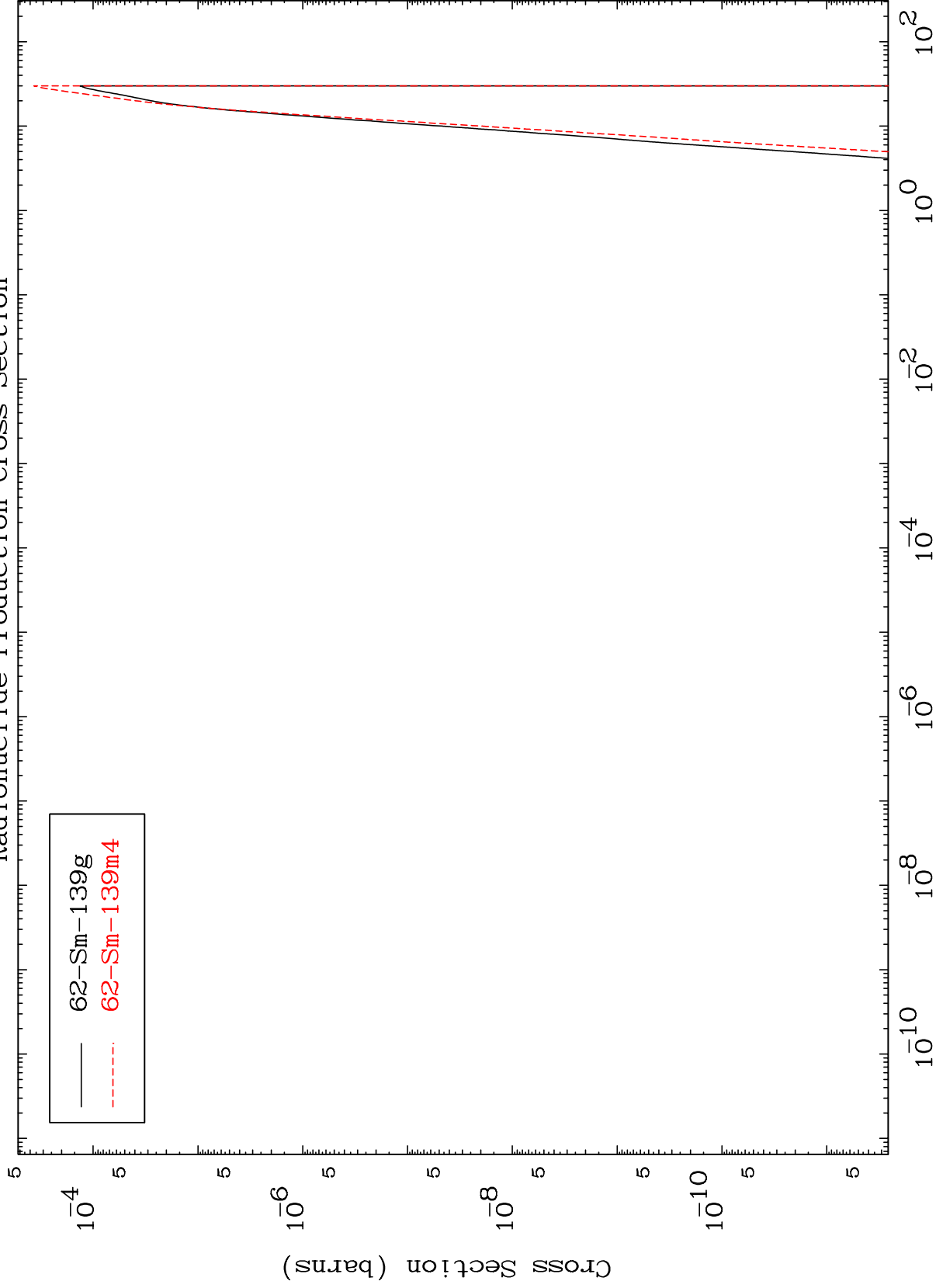


MAT 6595

(n,2α)

66-Dy-146

Radionuclide Production Cross Section



44

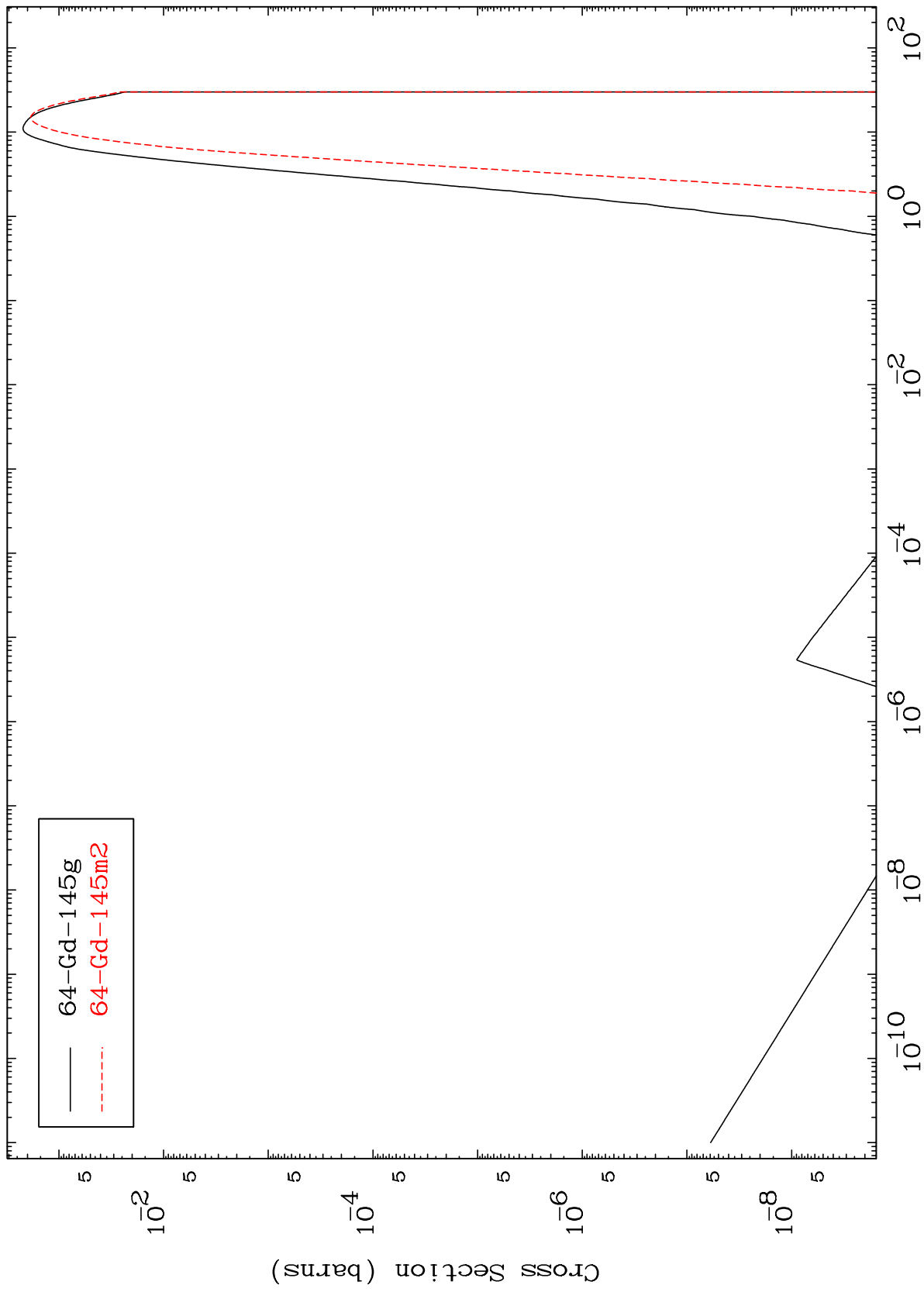
Incident Energy (MeV)

66-Dy-146

MAT 6595

66-Dy-146

(n,2p)  
Radionuclide Production Cross Section



45

Incident Energy (MeV)

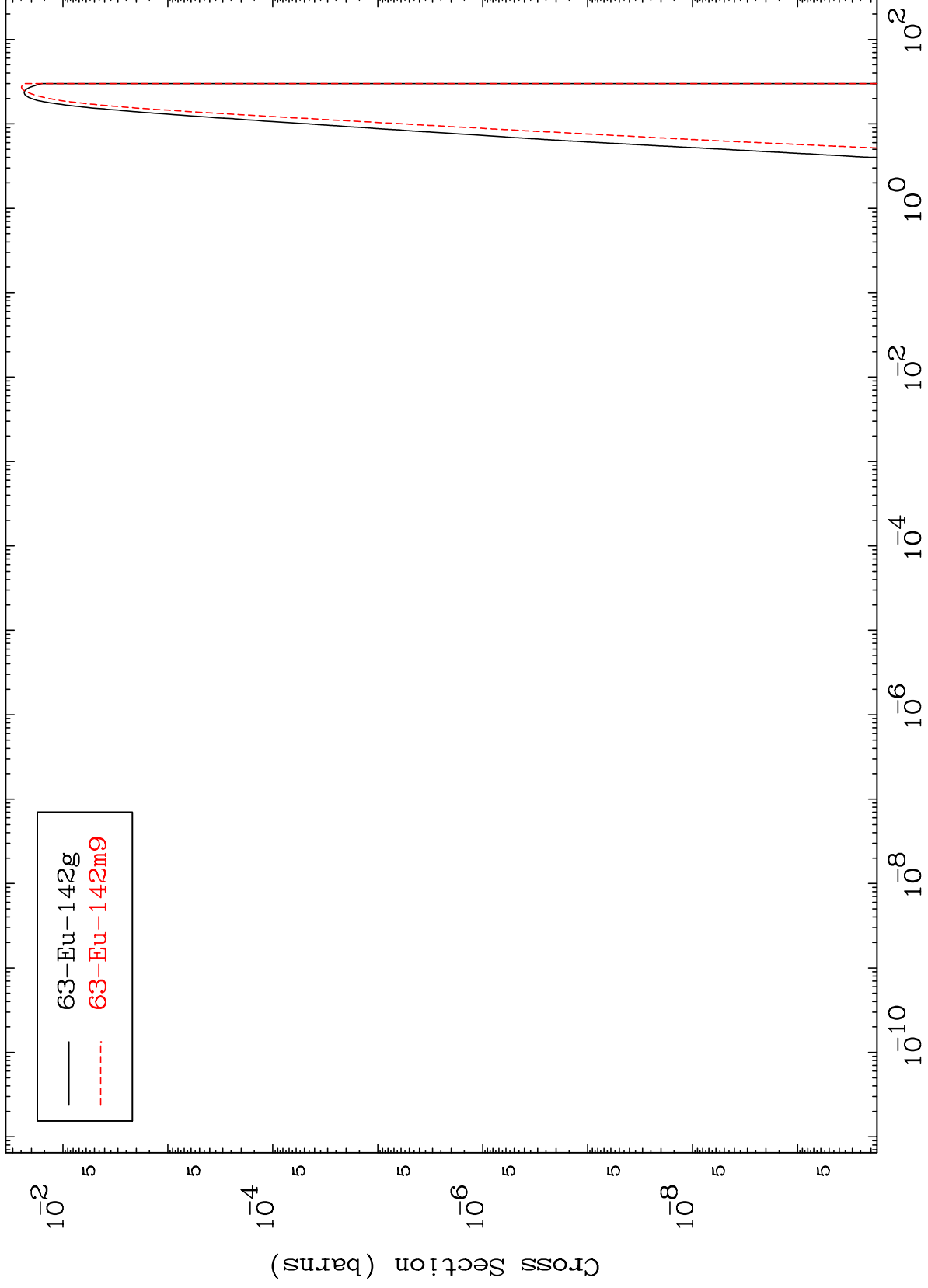
66-Dy-146

MAT 6595

(n,p)  $\alpha$

66-Dy-146

Radionuclide Production Cross Section



— 63-Eu-142g  
- - - 63-Eu-142m9

46

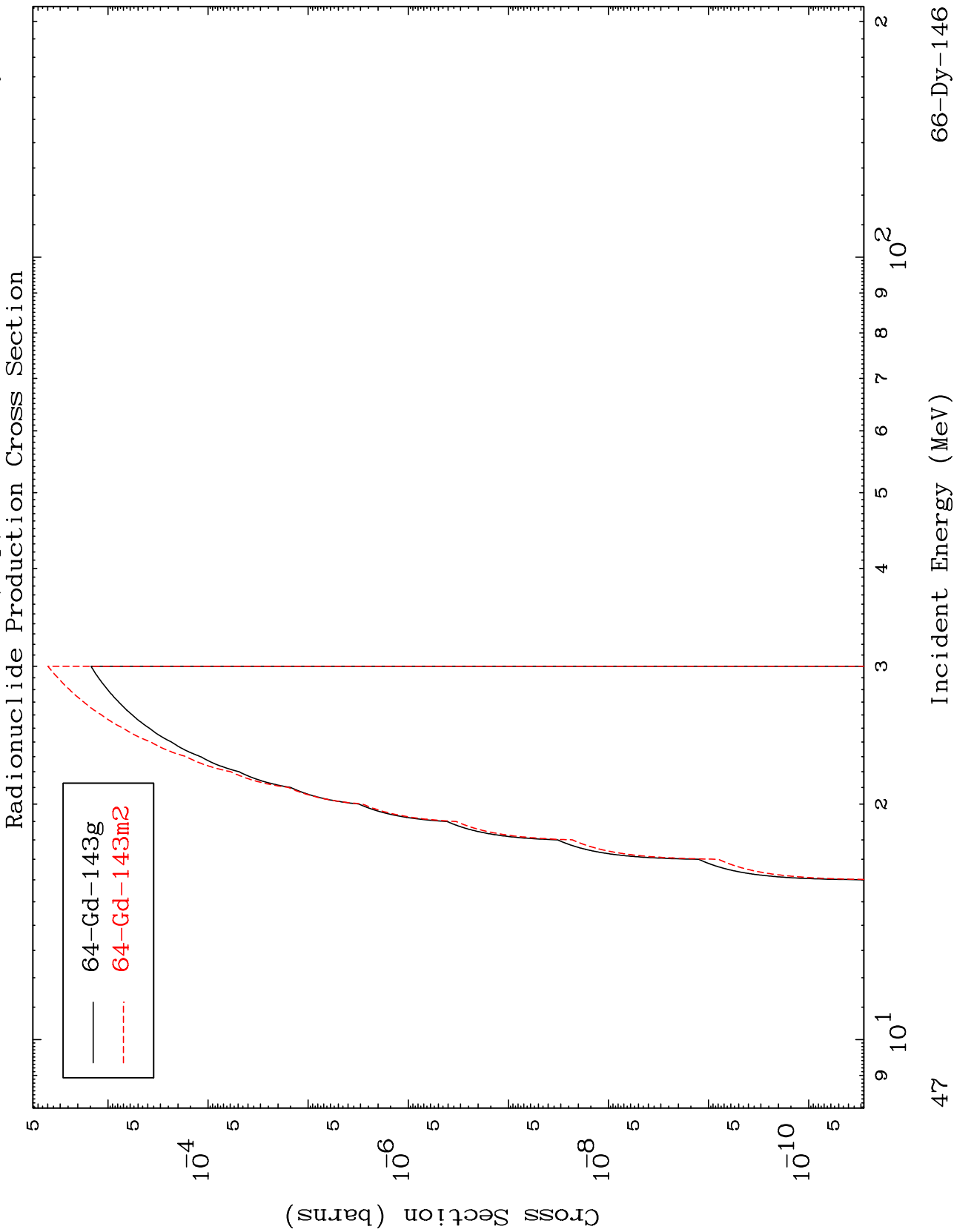
Incident Energy (MeV)

66-Dy-146

MAT 6595

(n,p) t

66-Dy-146



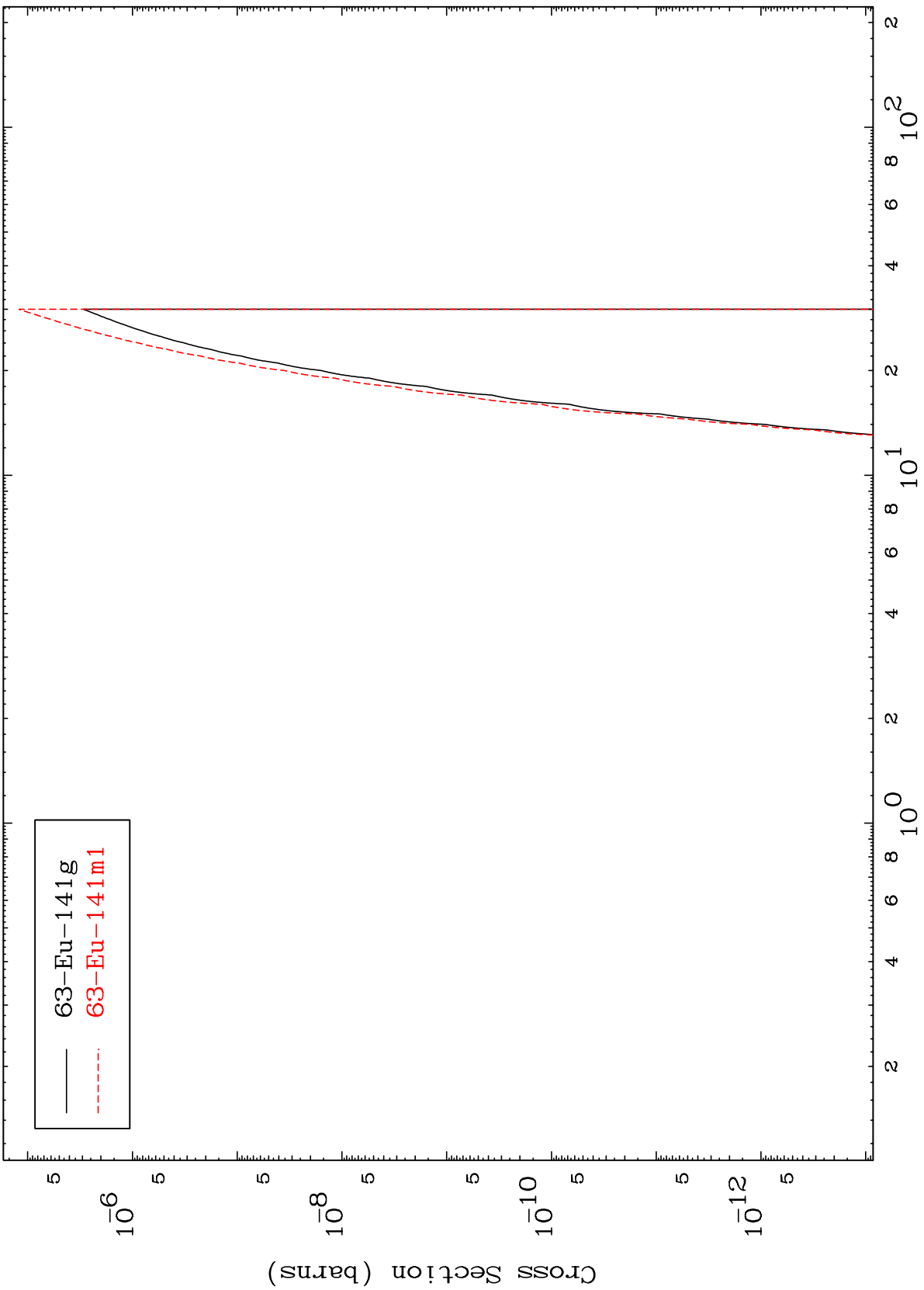


MAT 6595

(n,d)  $\alpha$

66-Dy-146

Radionuclide Production Cross Section



63-Eu-141g  
63-Eu-141m1

48

Incident Energy (MeV)

66-Dy-146