

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

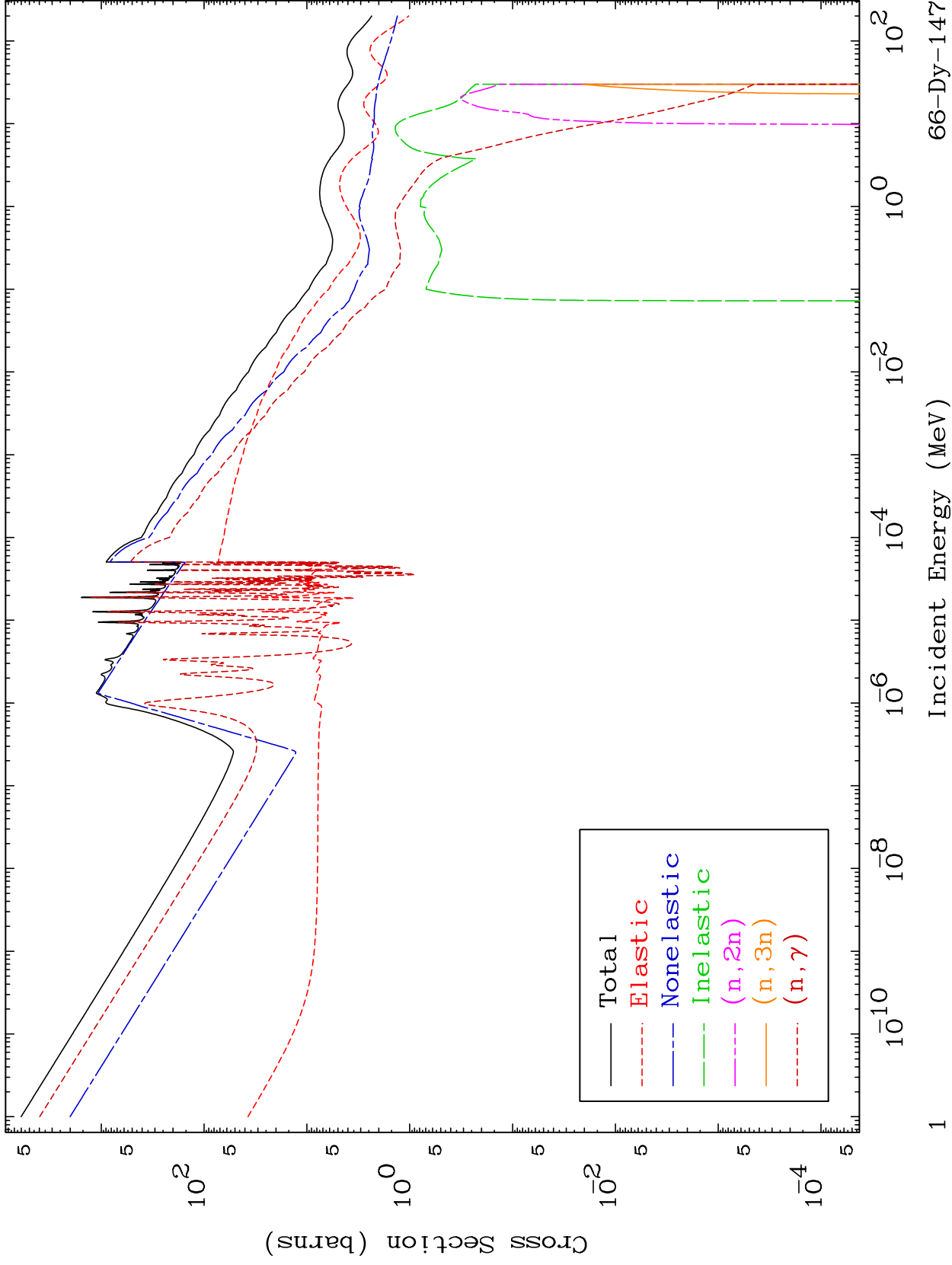
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Press Mouse Button to Start

MAT 6598

Neutron Major  
293 Kelvin Cross Sections

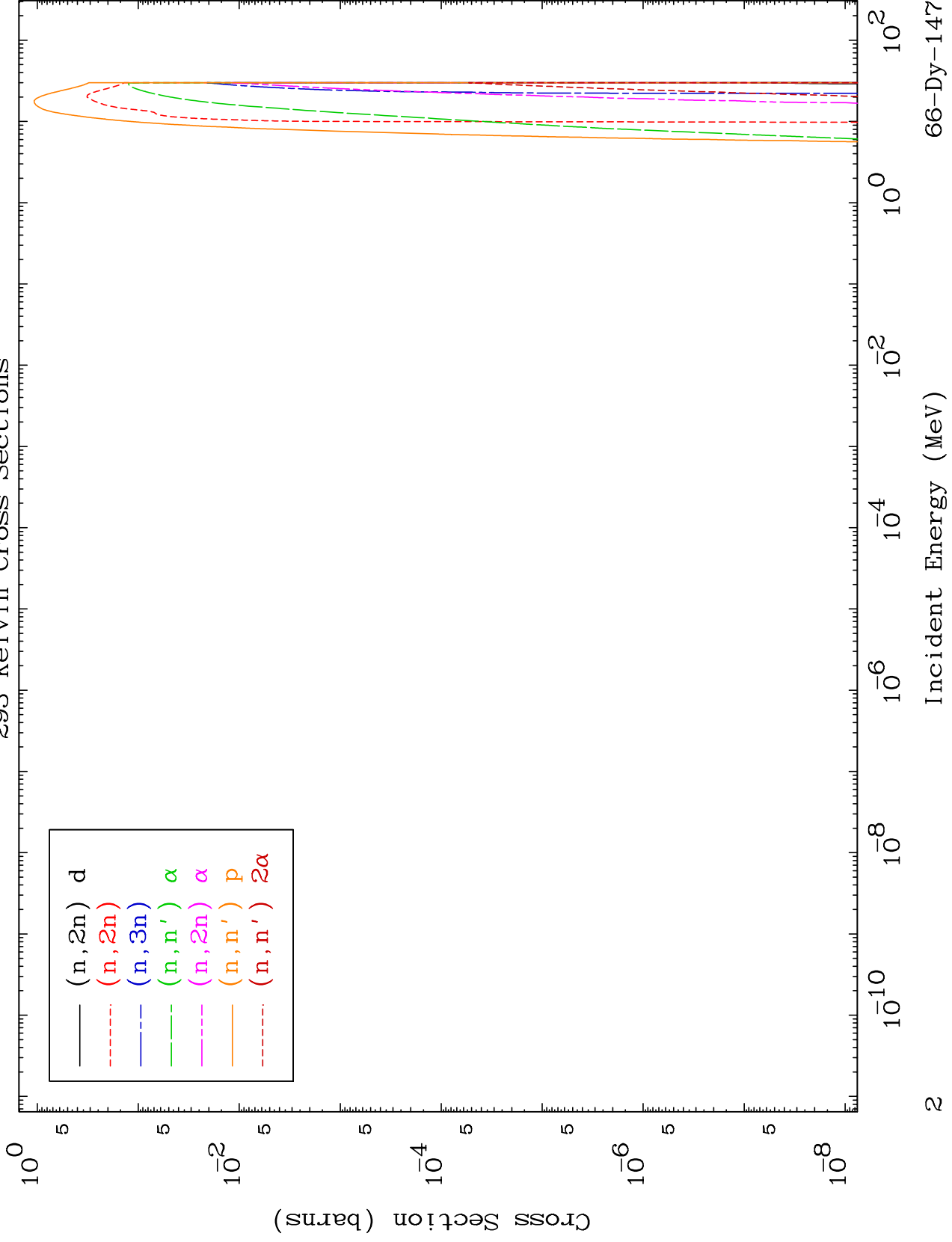
66-Dy-147



MAT 6598

Neutron Absorption  
293 Kelvin Cross Sections

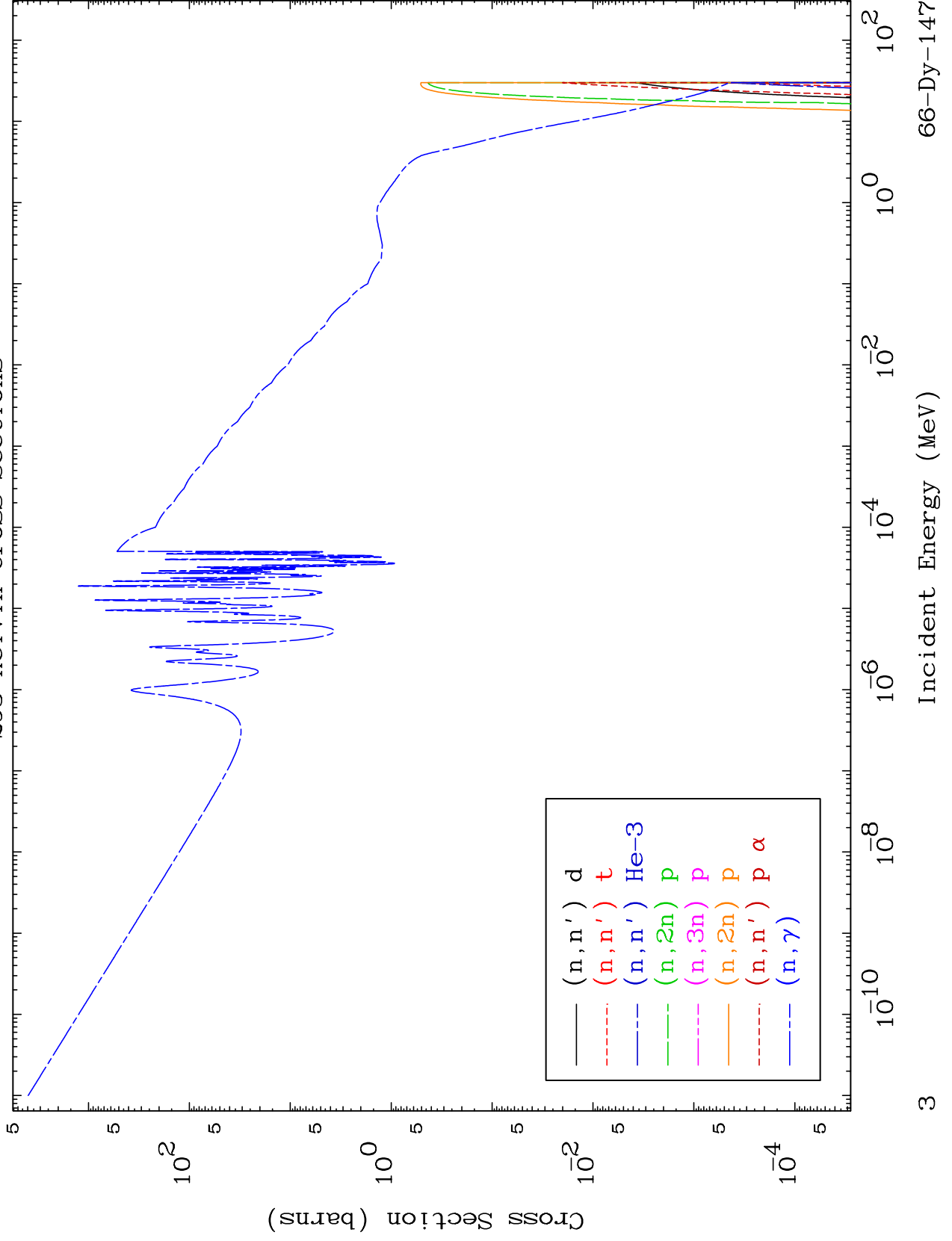
66-Dy-147



MAT 6598

Neutron Absorption  
293 Kelvin Cross Sections

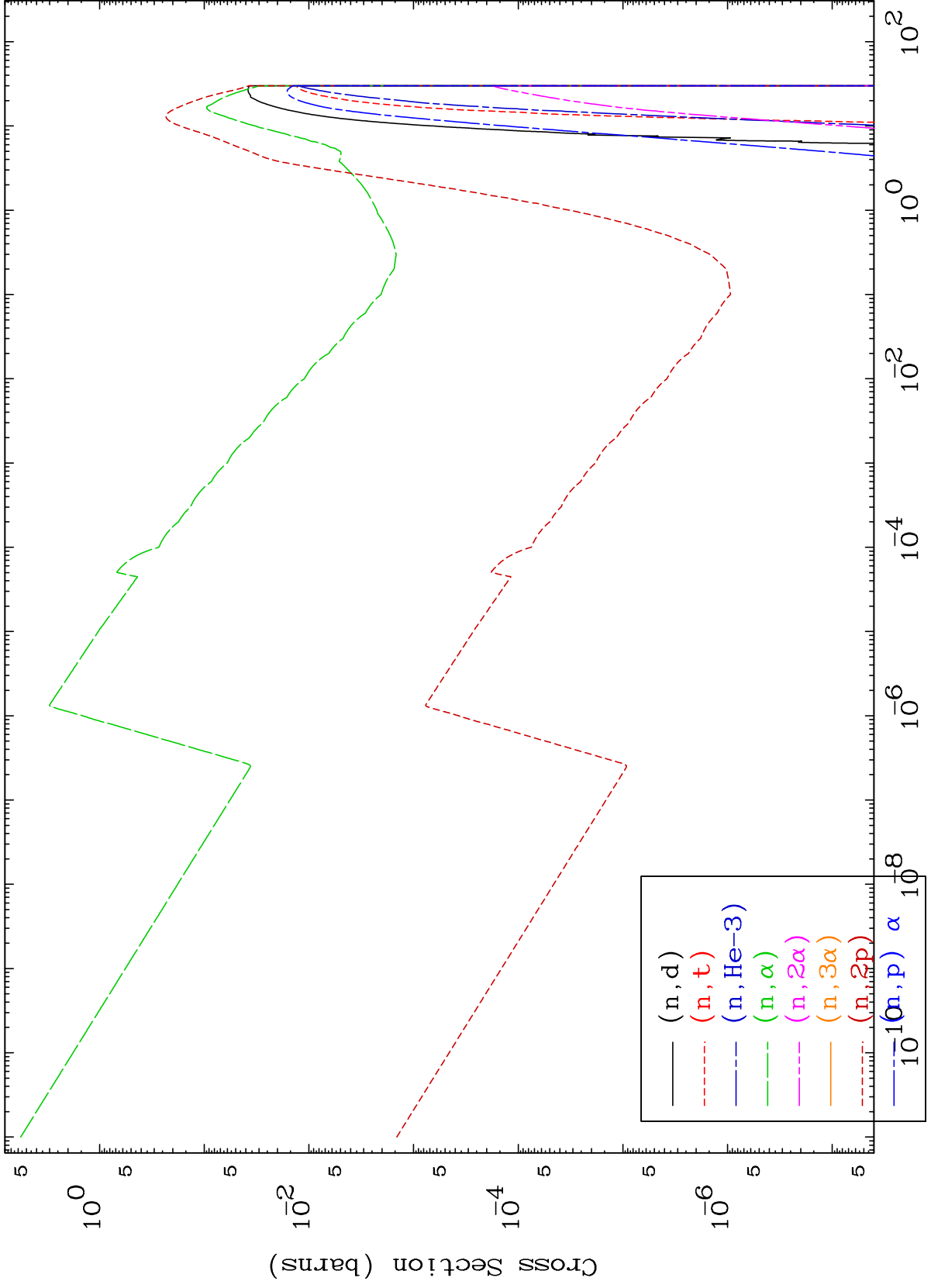
66-Dy-147

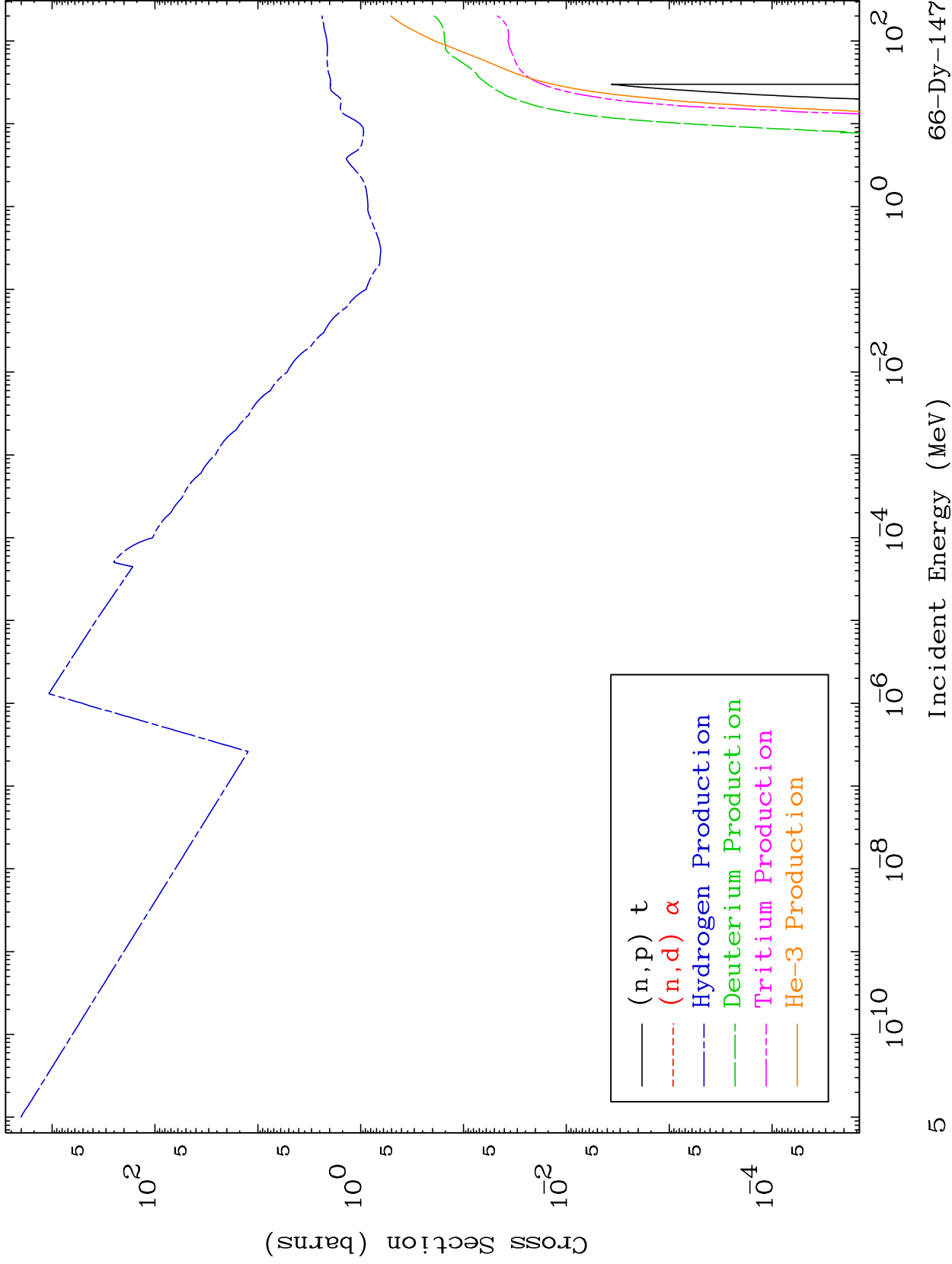


MAT 6598

Neutron Absorption  
293 Kelvin Cross Sections

66-Dy-147

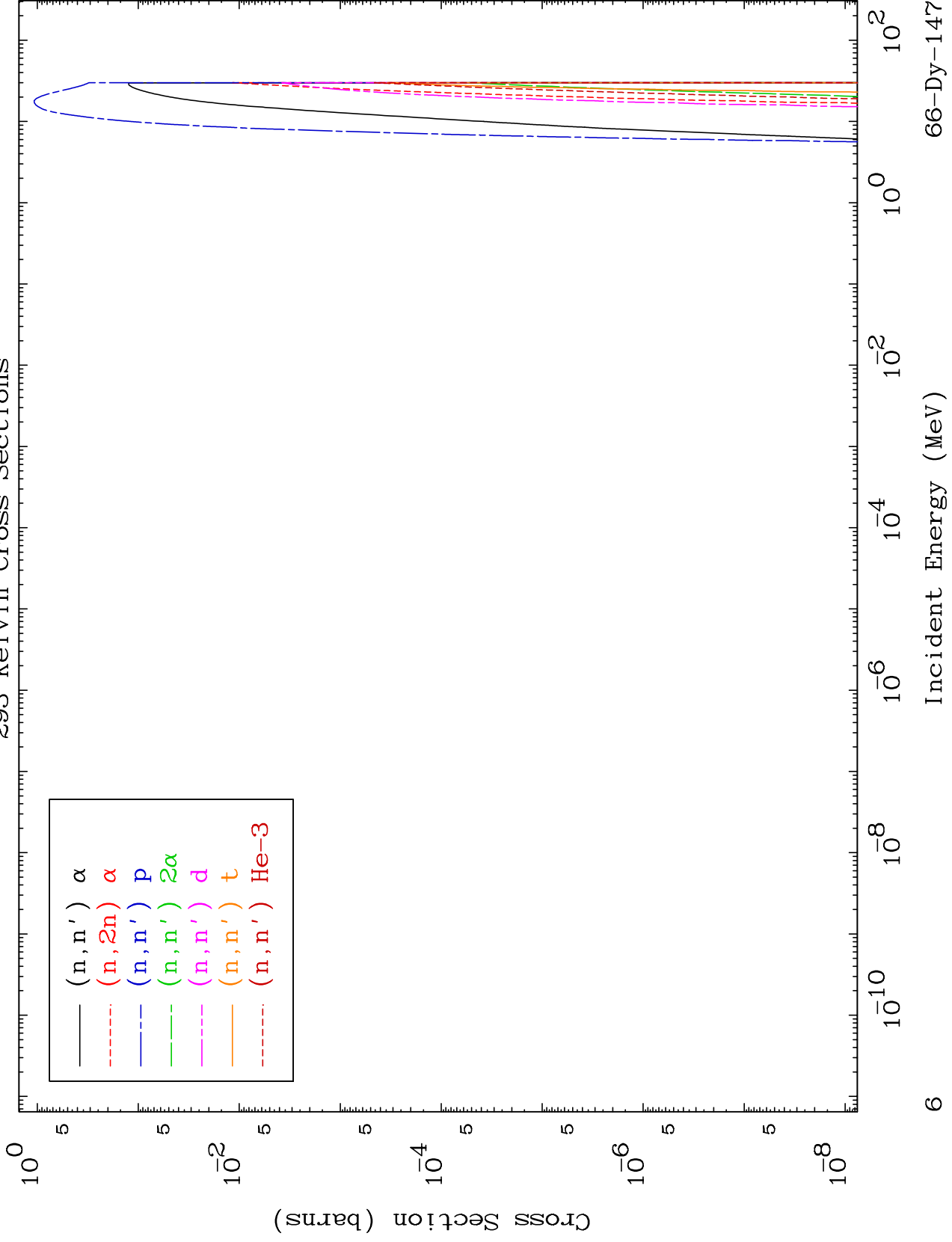




MAT 6598

Charged Particle  
293 Kelvin Cross Sections

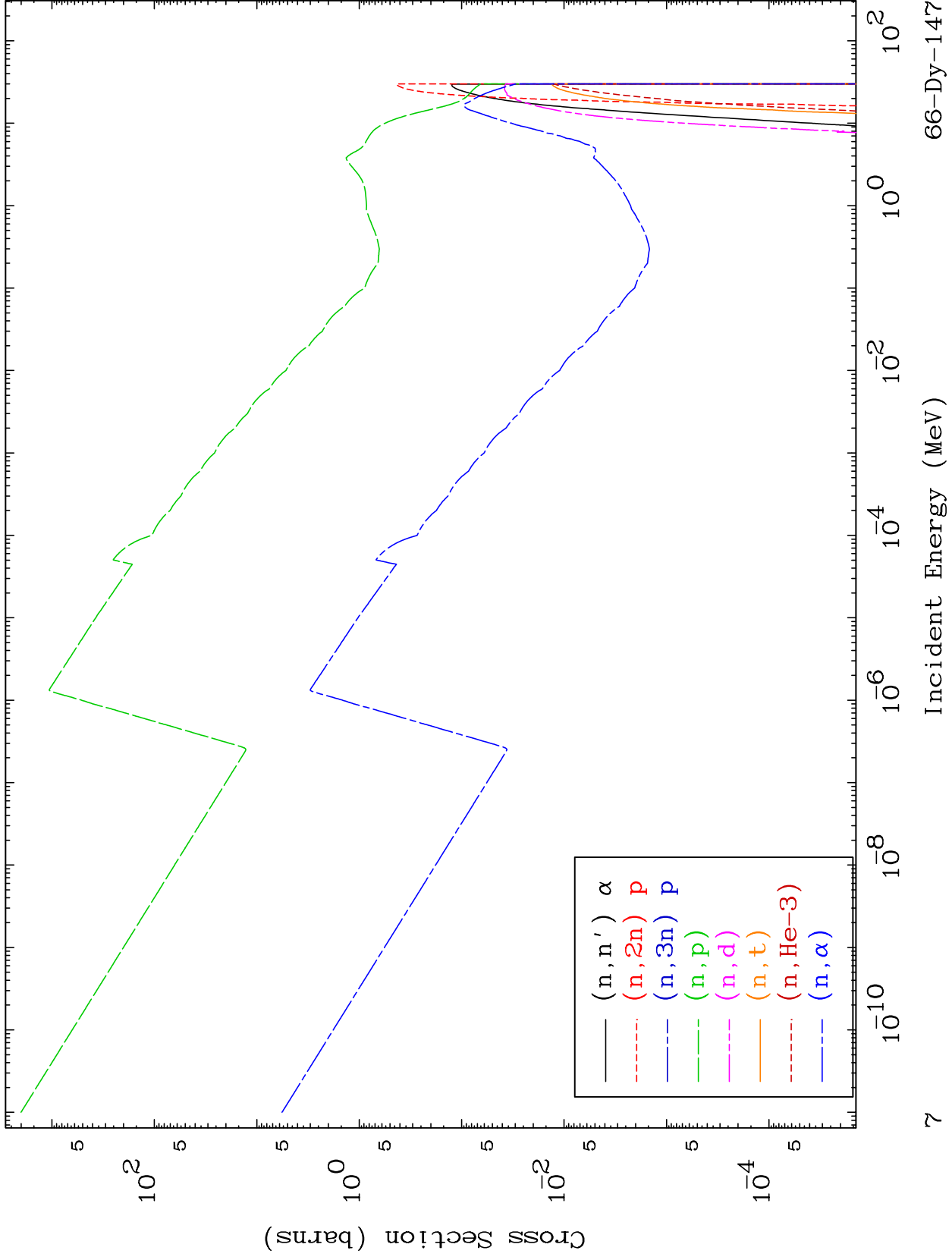
66-Dy-147



MAT 6598

Charged Particle  
293 Kelvin Cross Sections

66-Dy-147

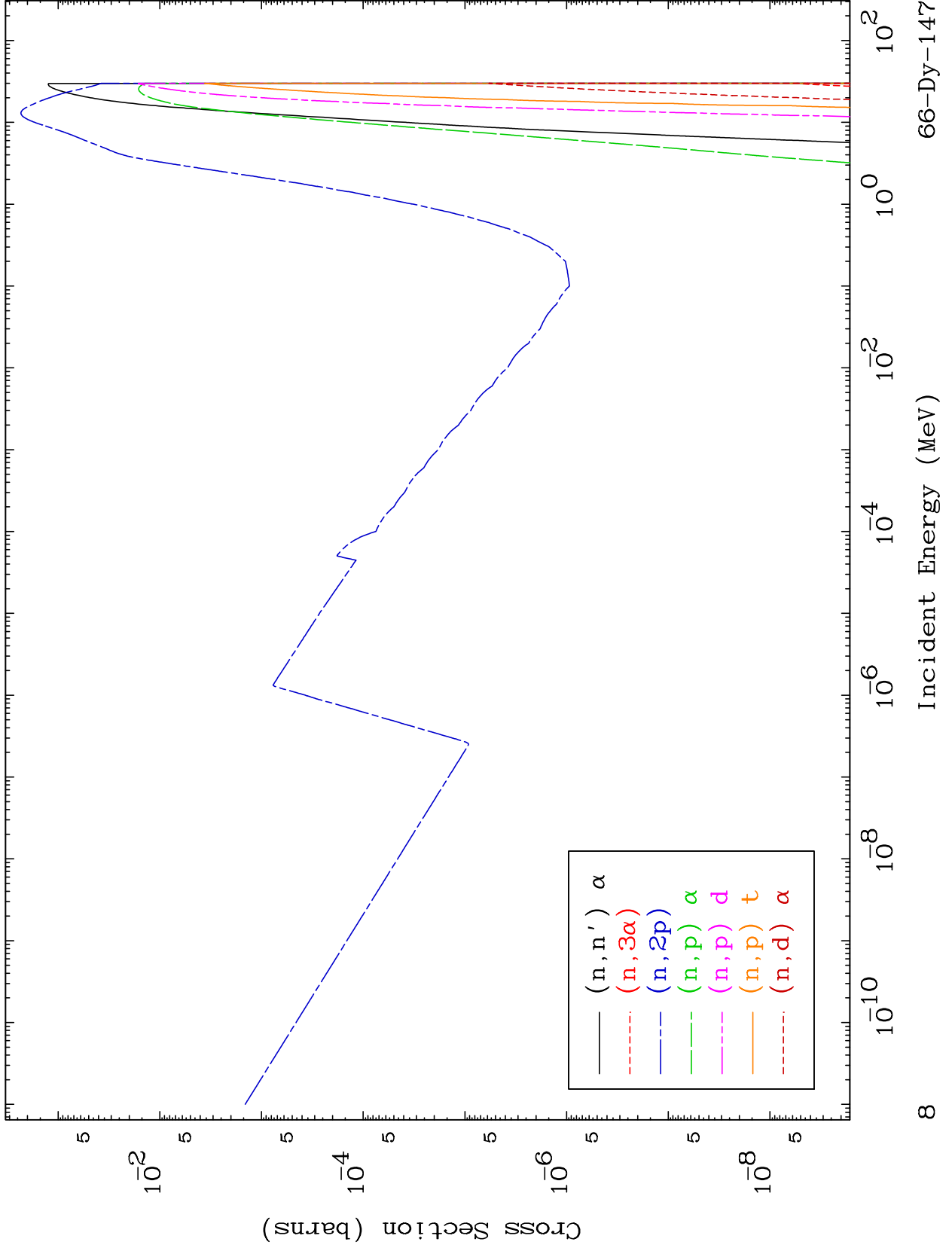


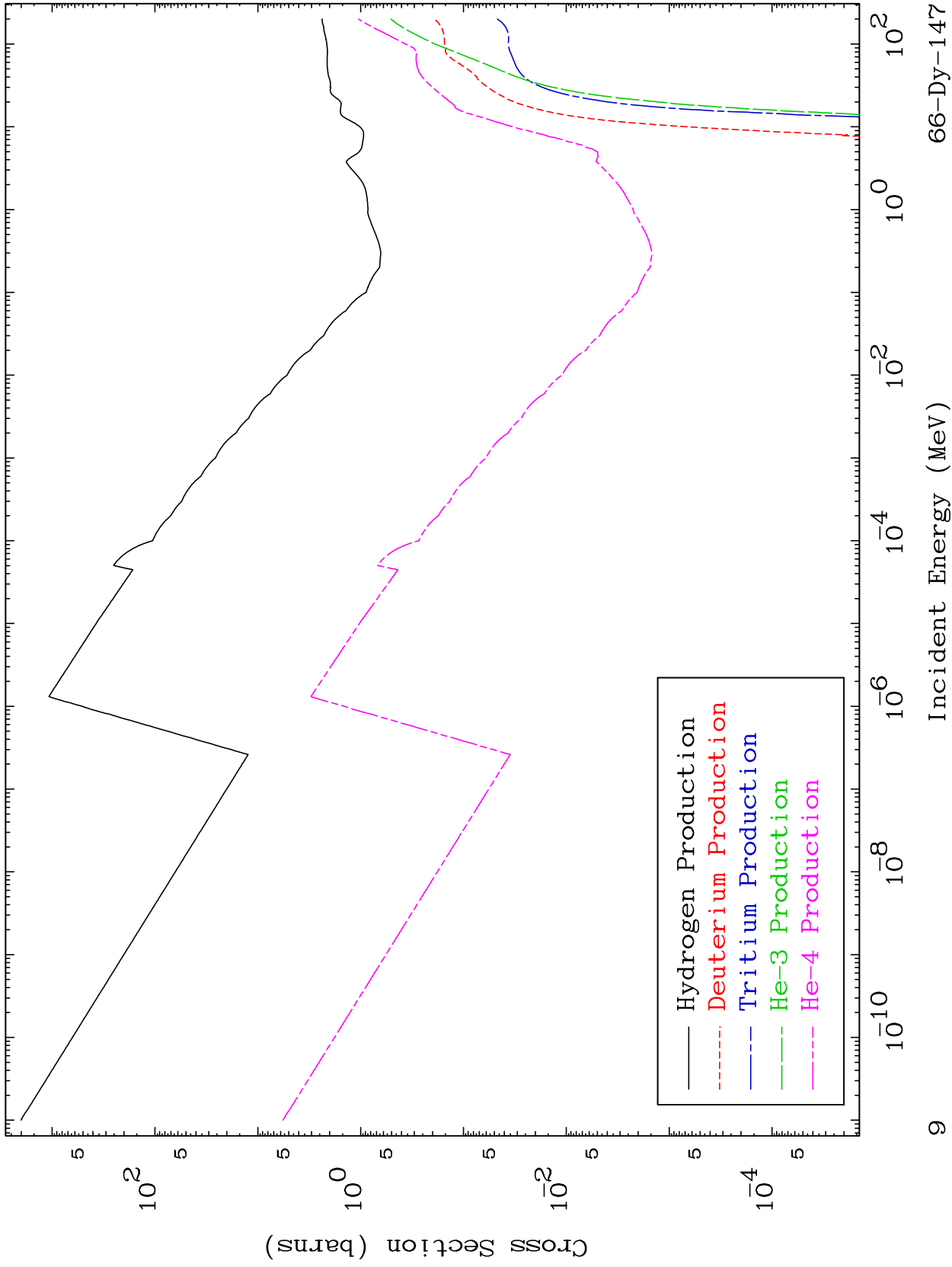


MAT 6598

Charged Particle  
293 Kelvin Cross Sections

66-Dy-147

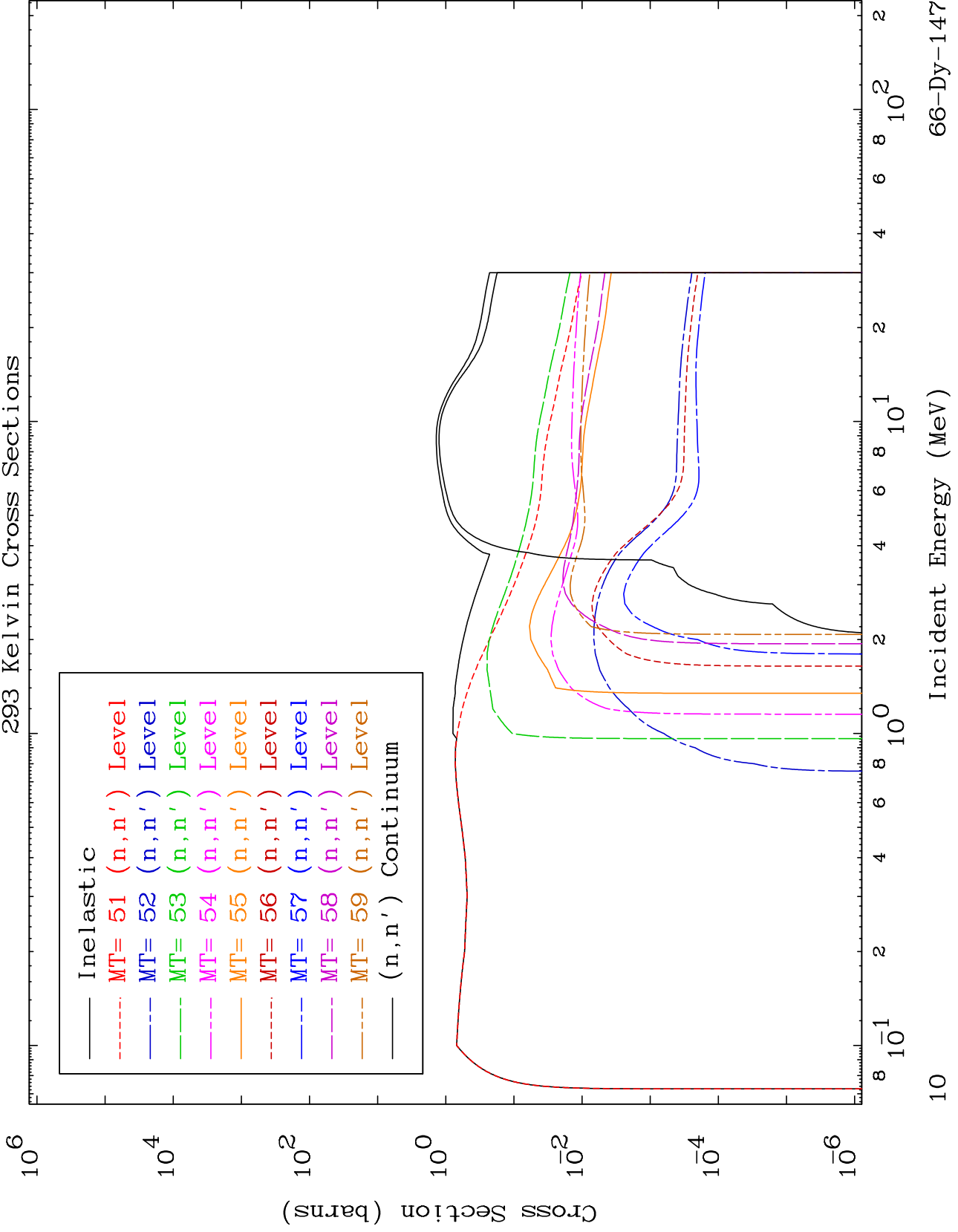




MAT 6598

(n,n') Levels  
293 Kelvin Cross Sections

66-Dy-147

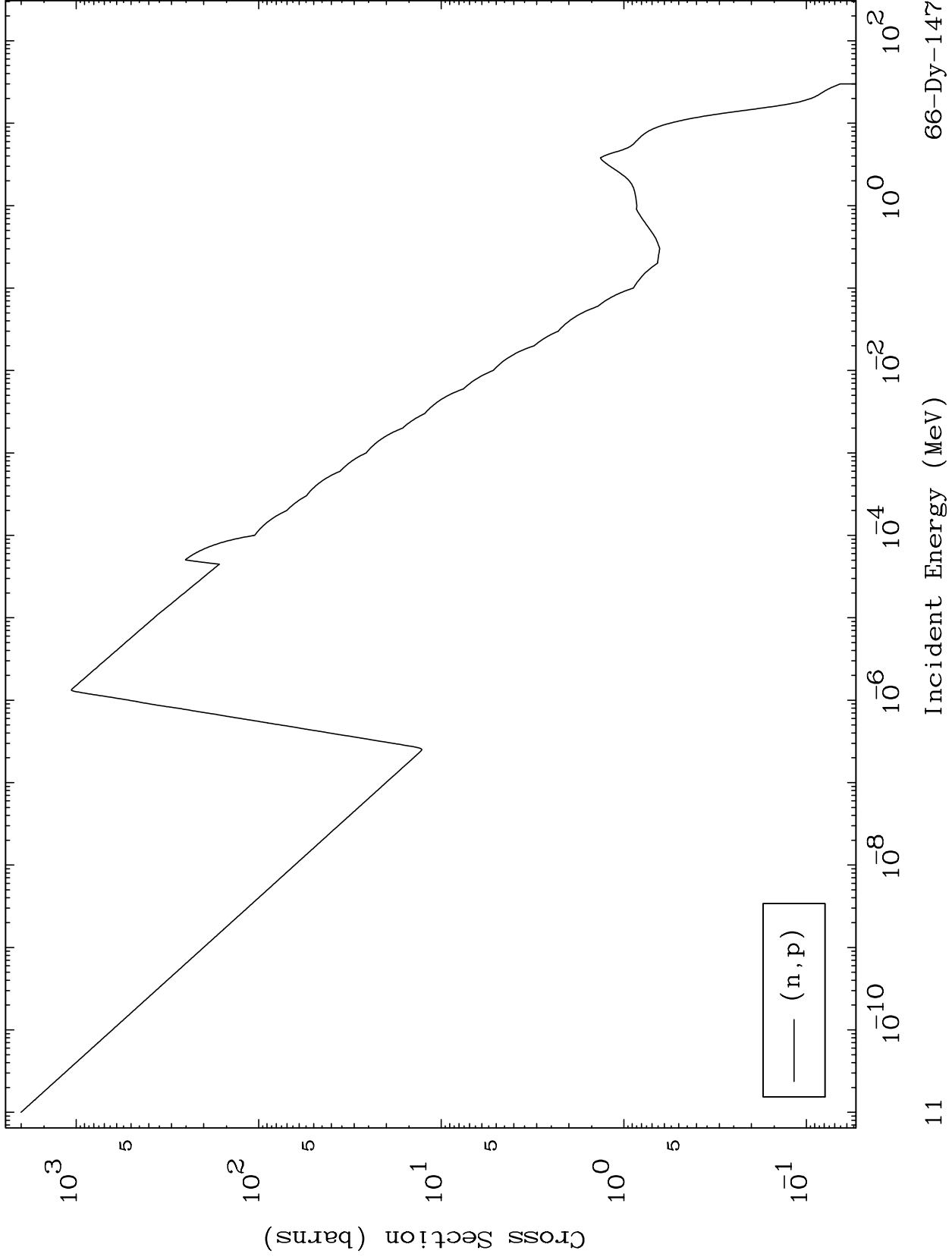


66-Dy-147

MAT 6598

(n,p) Levels  
293 Kelvin Cross Sections

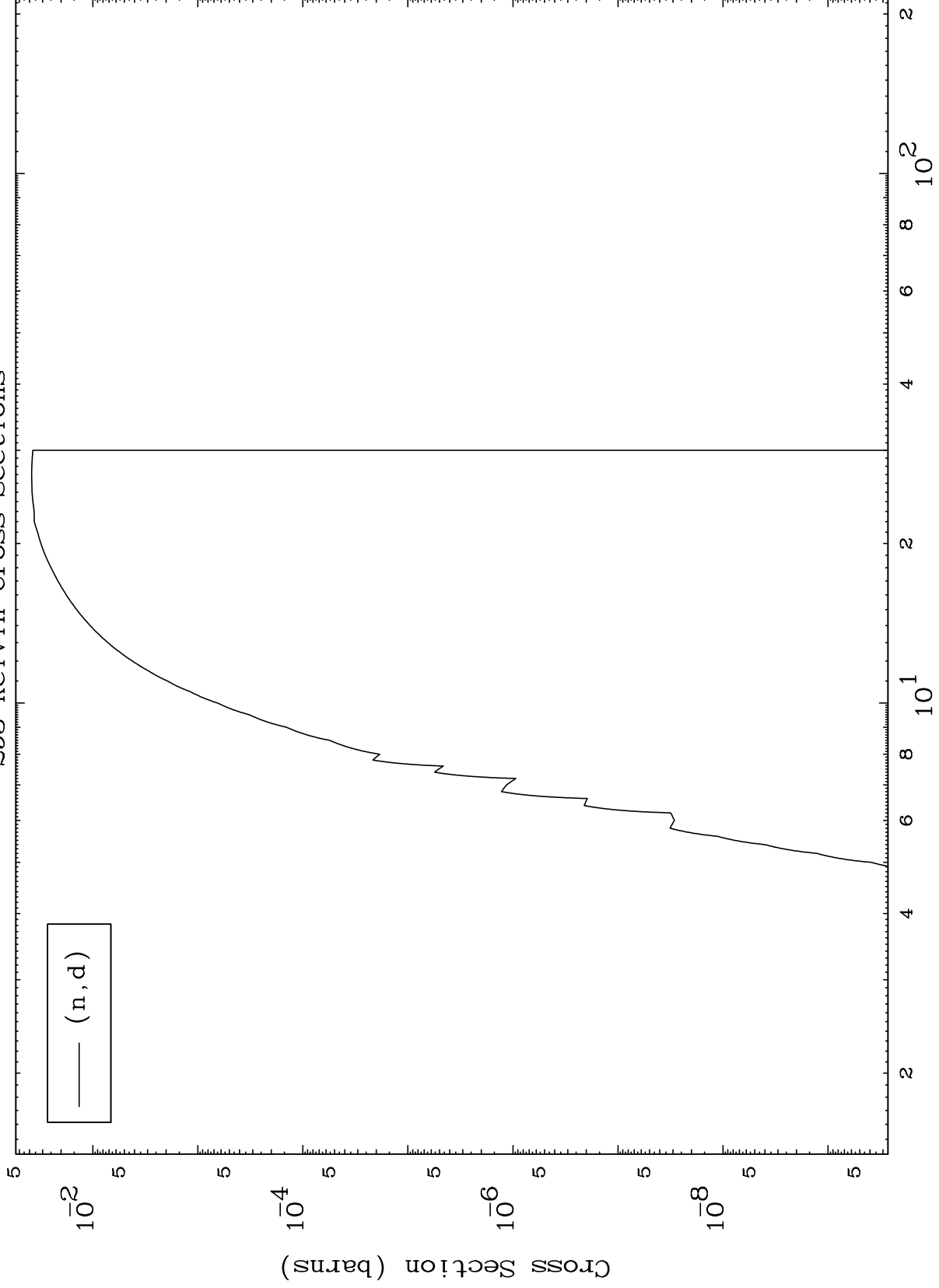
66-Dy-147



MAT 6598

(n,d) Levels  
293 Kelvin Cross Sections

66-Dy-147



12

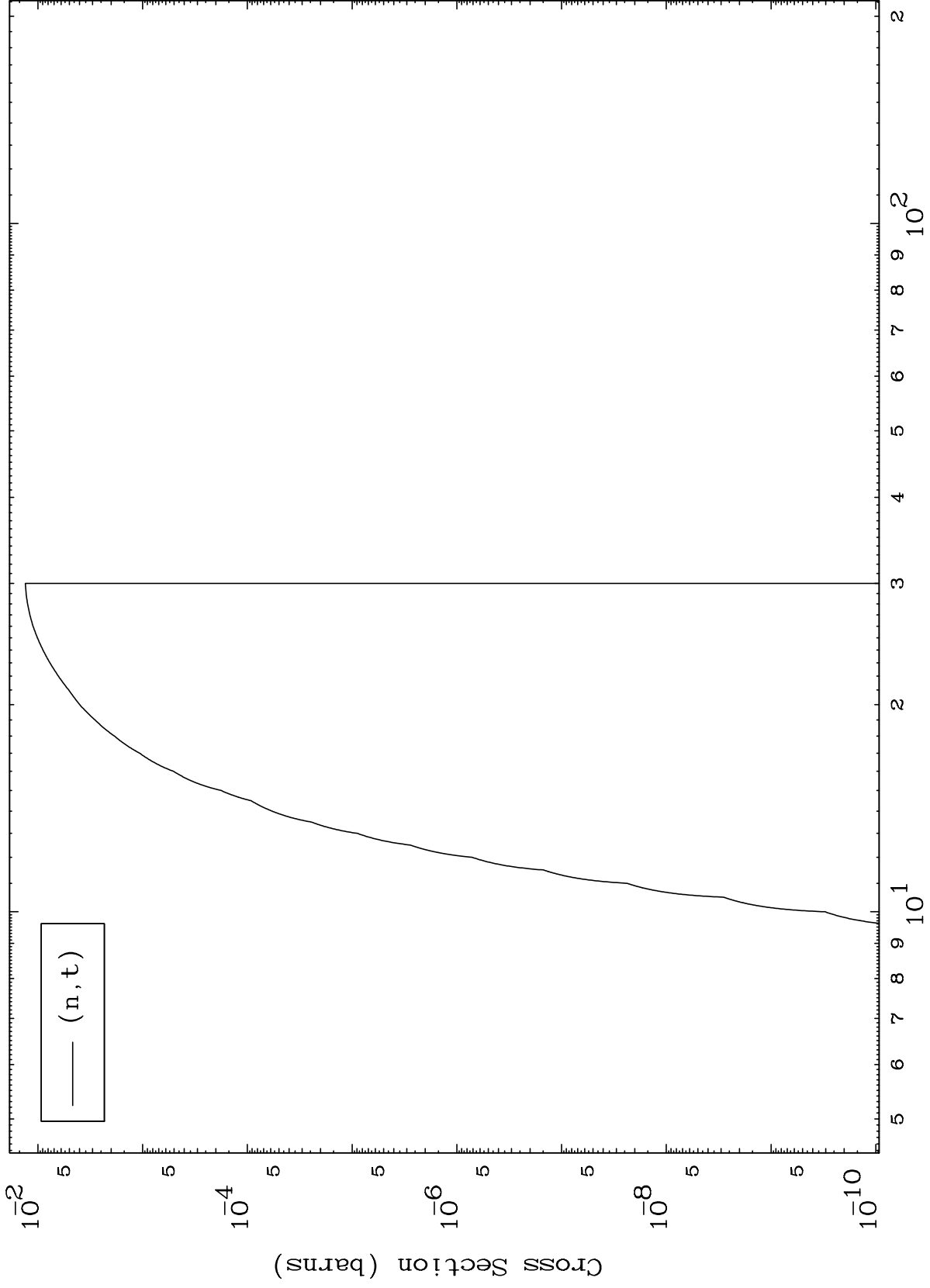
Incident Energy (MeV)

66-Dy-147

MAT 6598

(n,t) Levels  
293 Kelvin Cross Sections

66-Dy-147



13

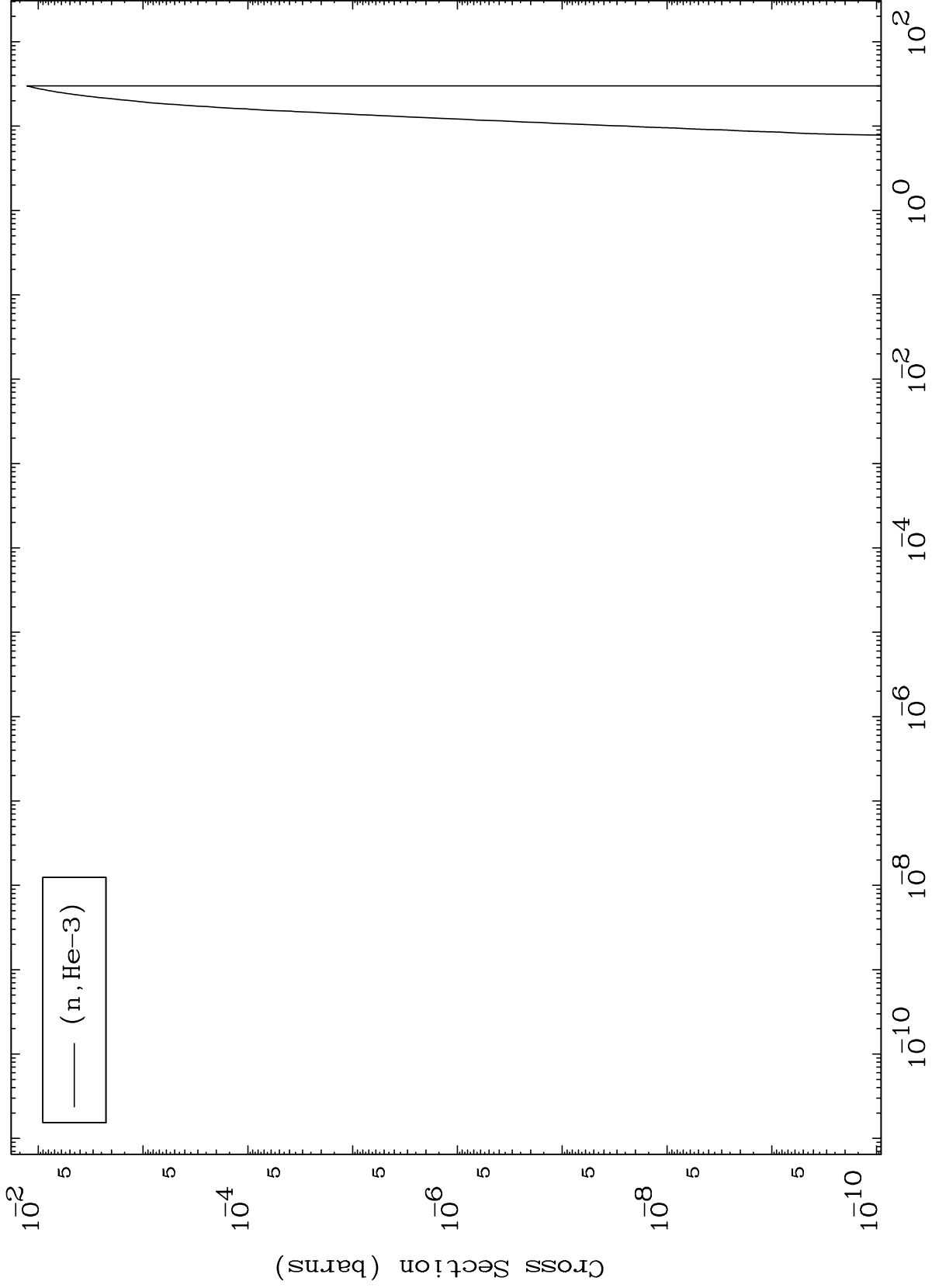
Incident Energy (MeV)

66-Dy-147

MAT 6598

(n,He3) Levels  
293 Kelvin Cross Sections

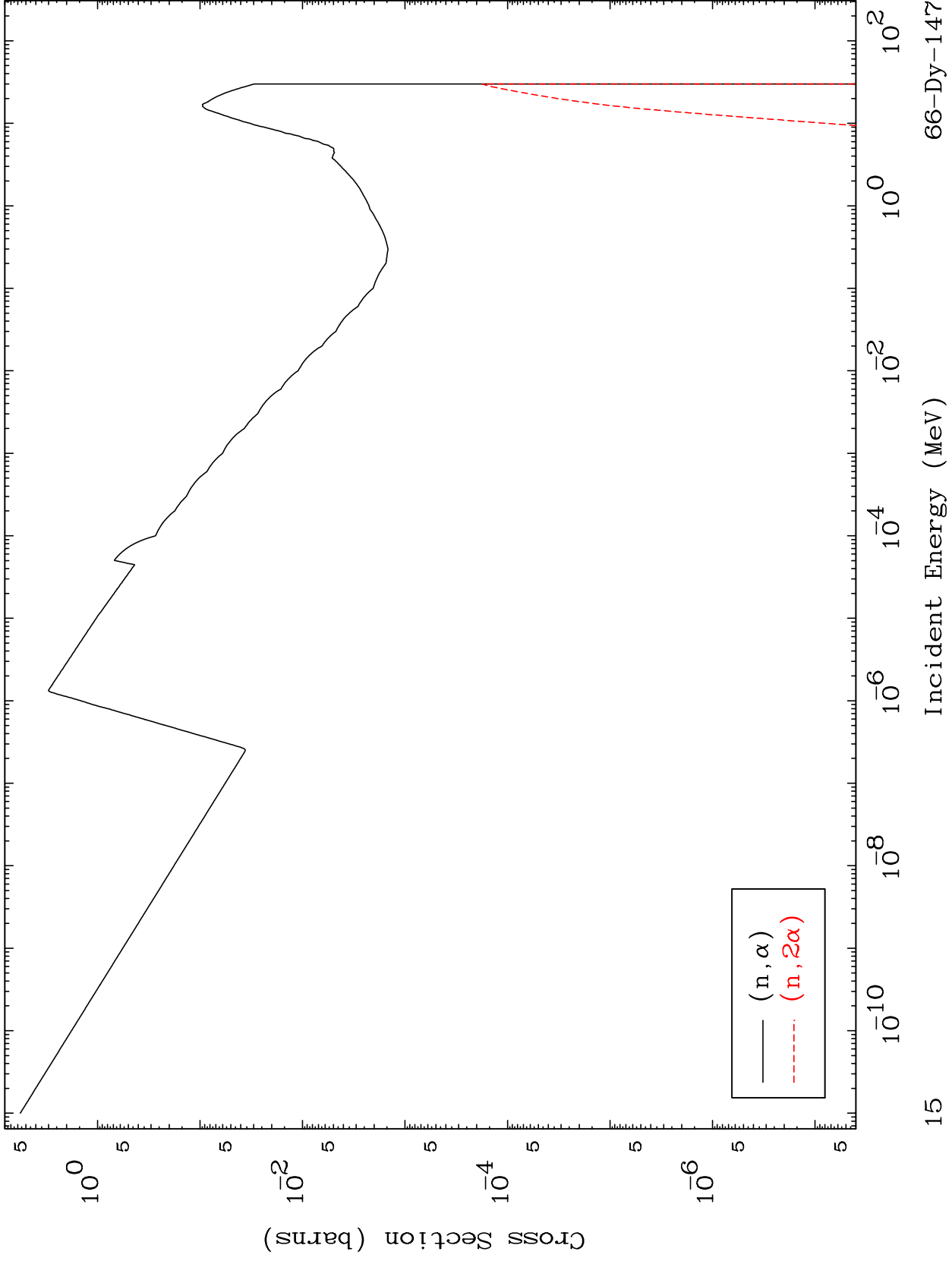
66-Dy-147



MAT 6598

(n,α) Levels  
293 Kelvin Cross Sections

66-Dy-147

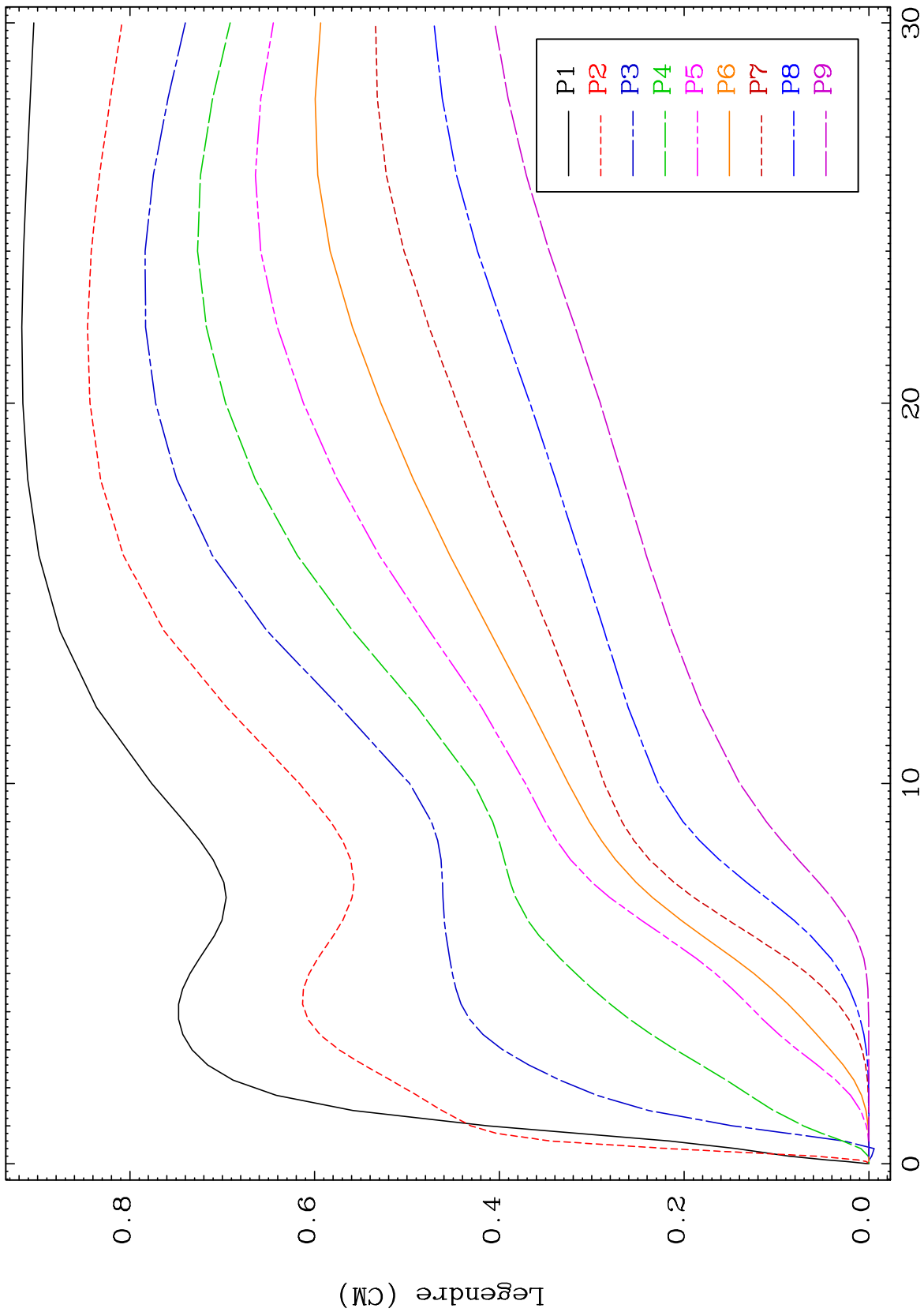




MAT 6598

Elastic Legendre Coefficients

66-Dy-147



16

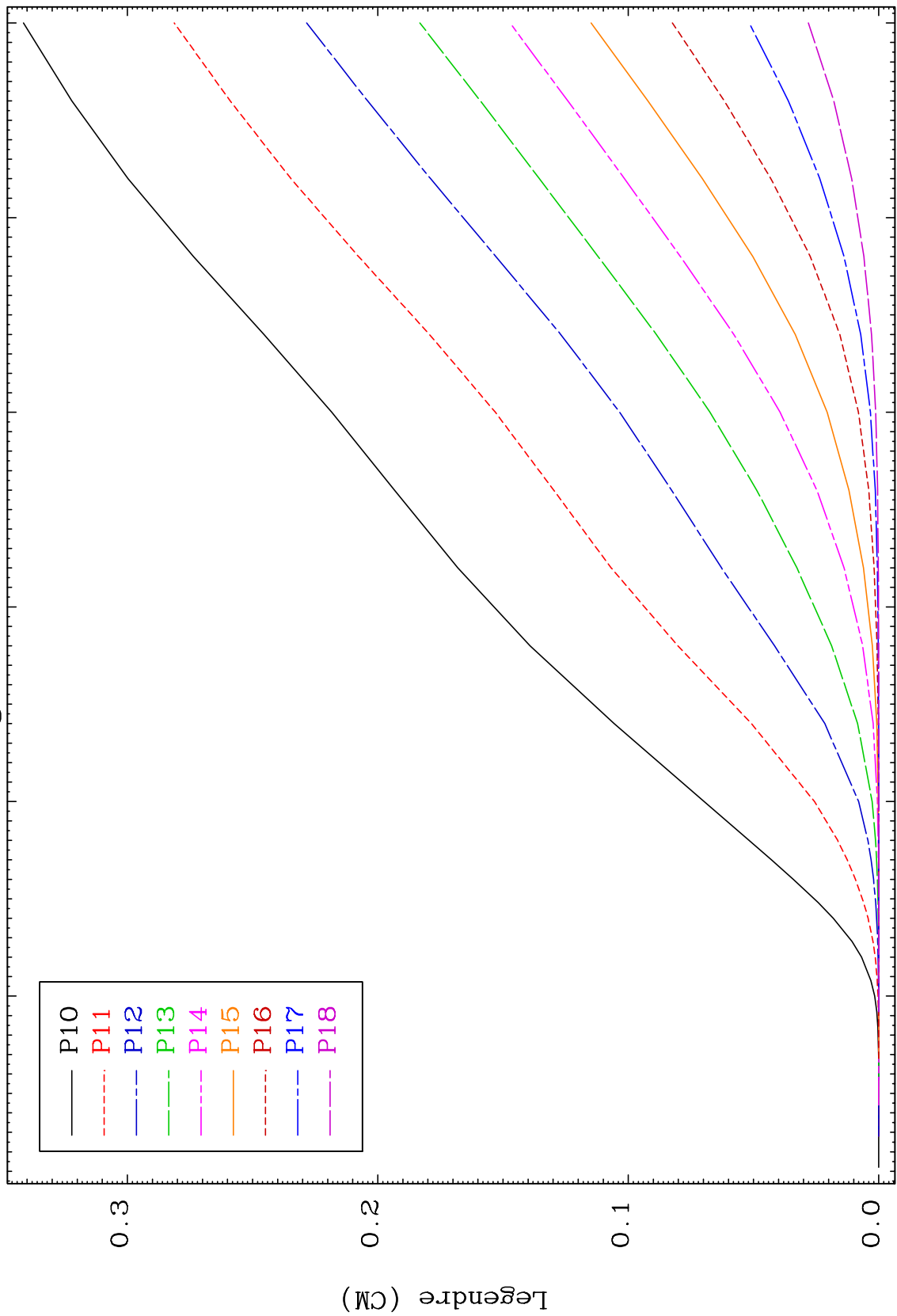
Incident Energy (MeV)

66-Dy-147

MAT 6598

Elastic Legendre Coefficients

66-Dy-147



17

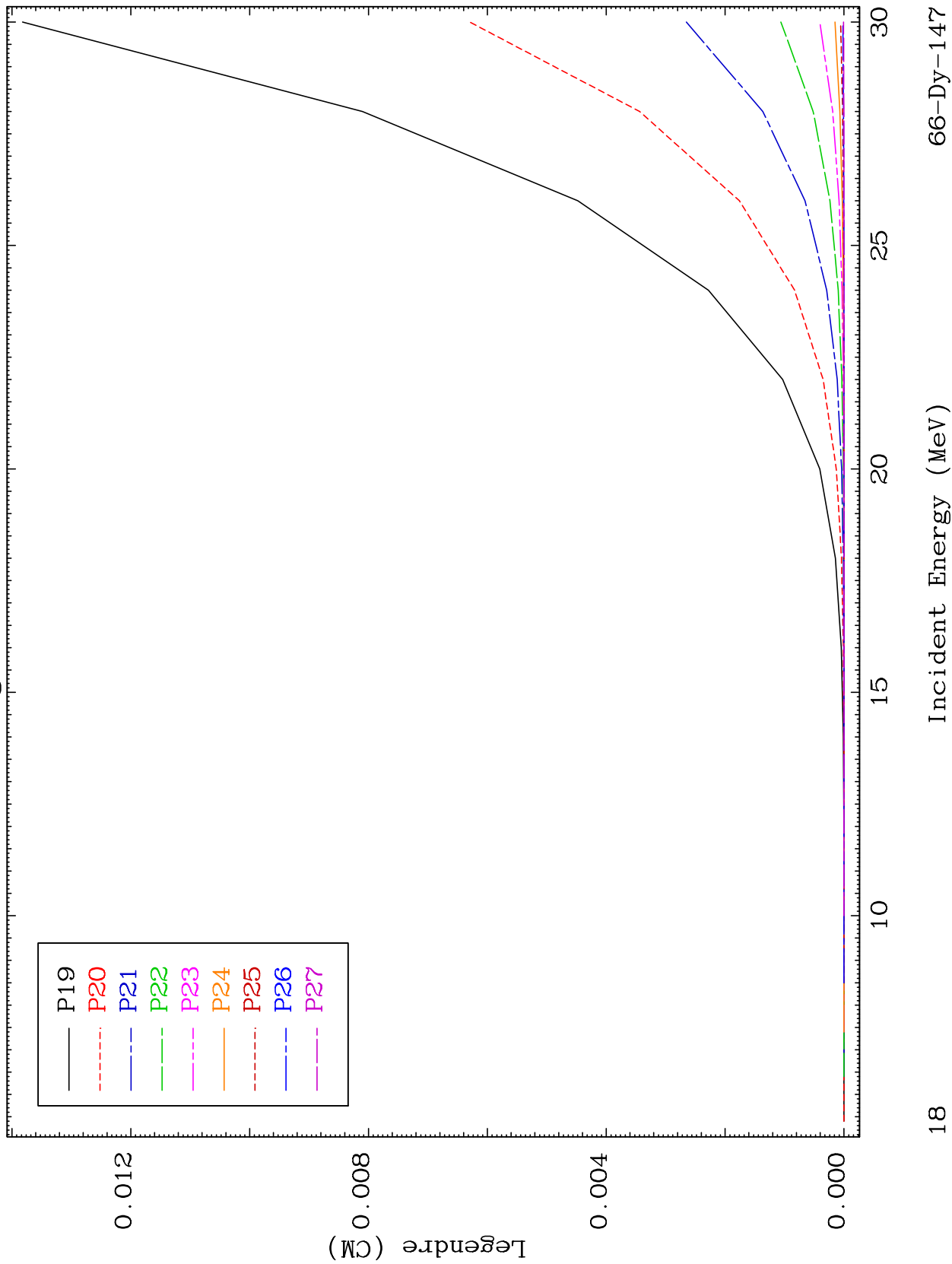
Incident Energy (MeV)

66-Dy-147

MAT 6598

### Elastic Legendre Coefficients

66-Dy-147



18

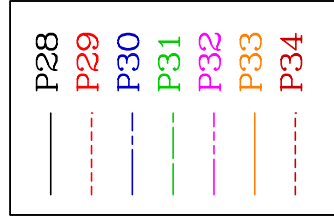
Incident Energy (MeV)

66-Dy-147

MAT 6598

Elastic  
Legendre Coefficients

66-Dy-147



$\times 10^{-6}$

Legendre (CM)

1.5

1.0

0.5

0.0

15

20

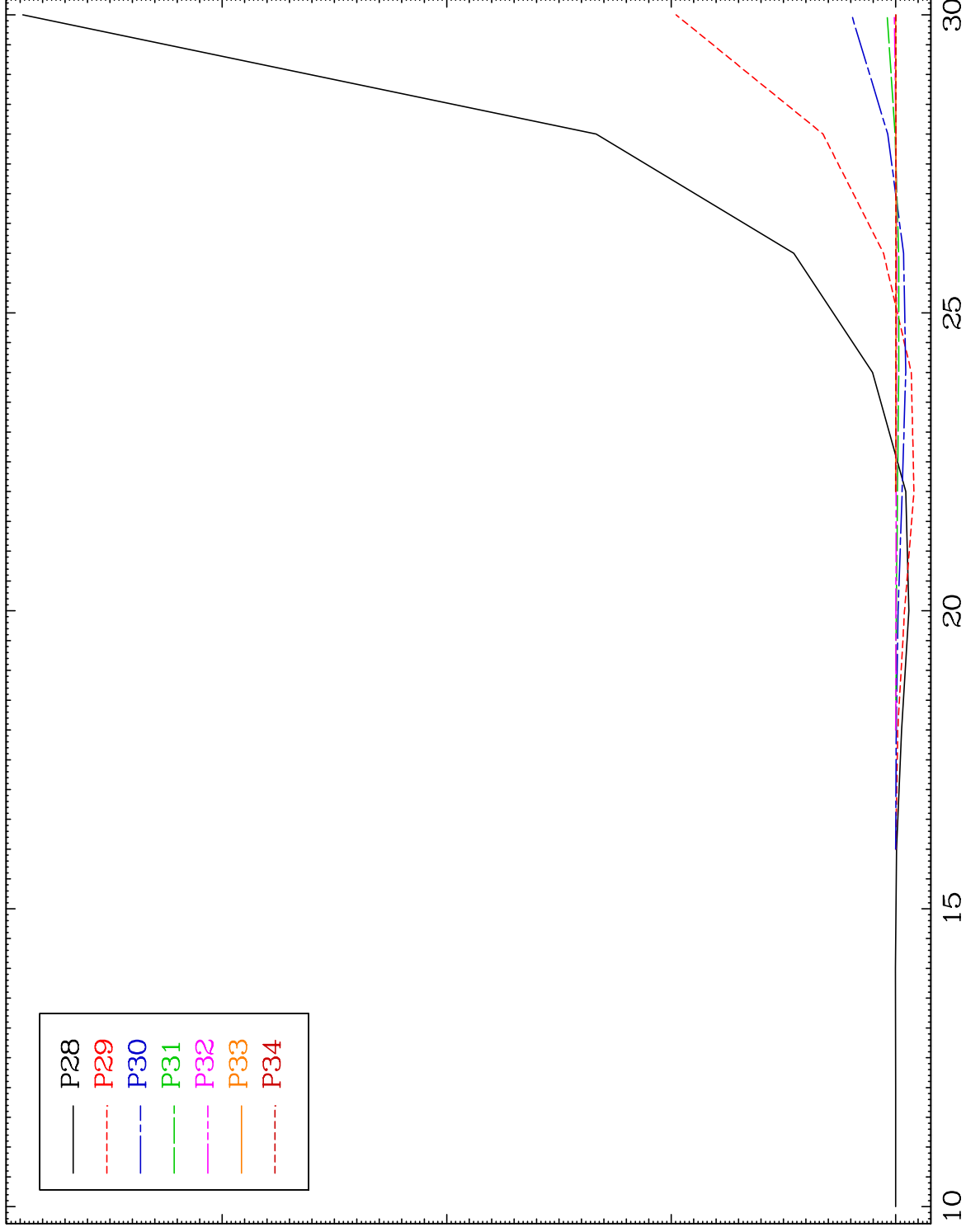
25

30

19

Incident Energy (MeV)

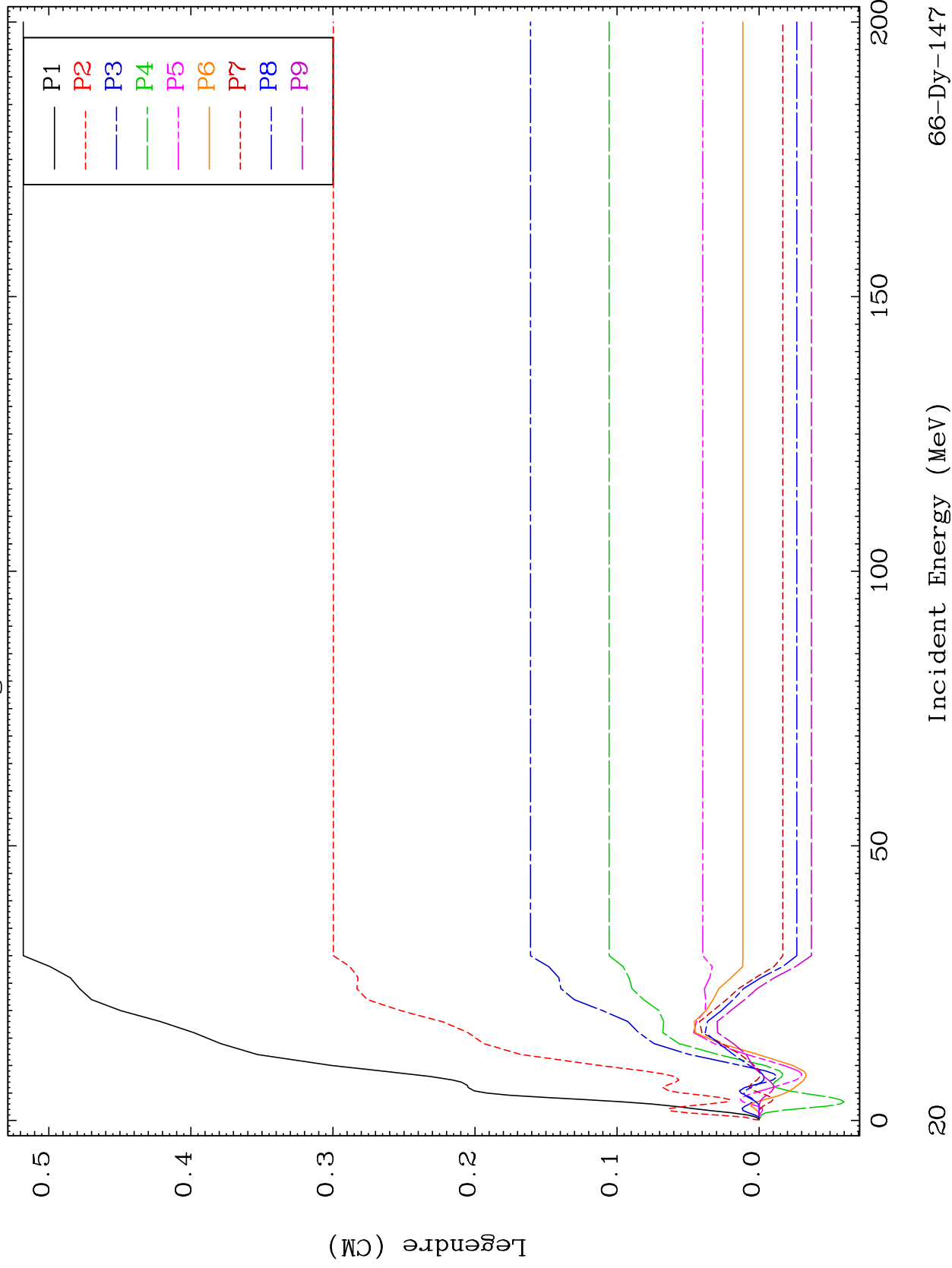
66-Dy-147



MAT 6598

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

66-Dy-147



66-Dy-147

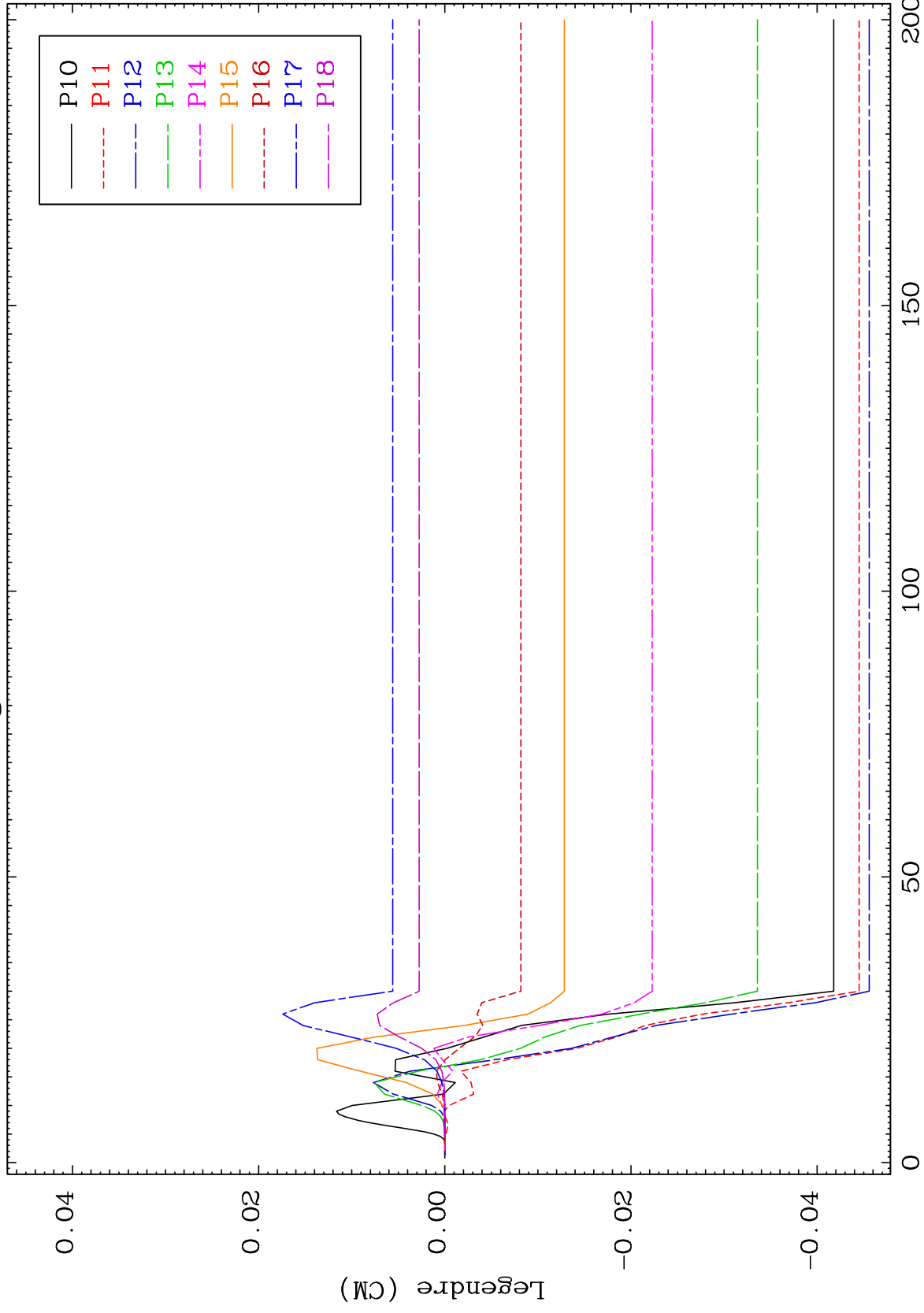
Incident Energy (MeV)

20

MAT 6598

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

66-Dy-147



21

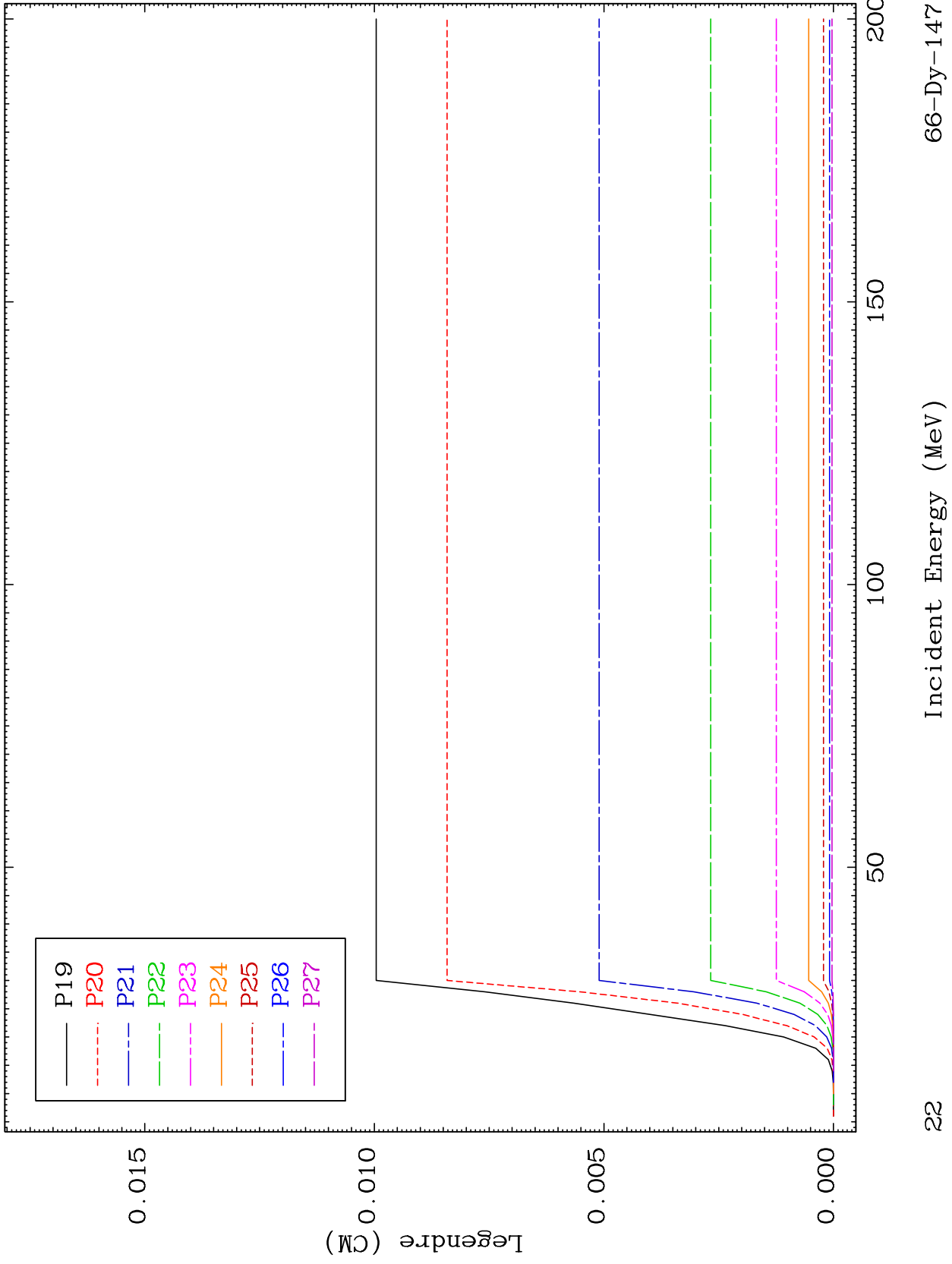
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



22

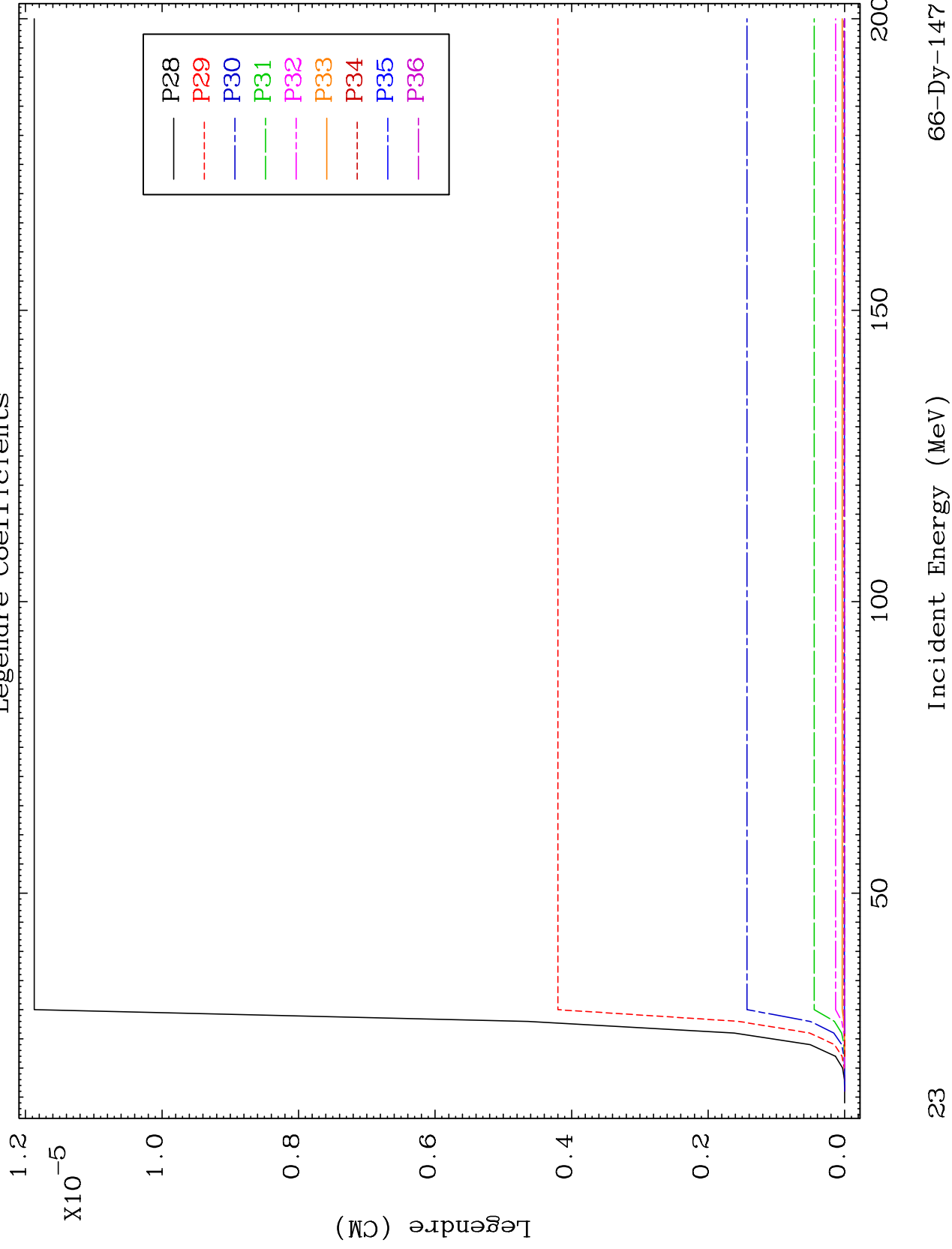
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147

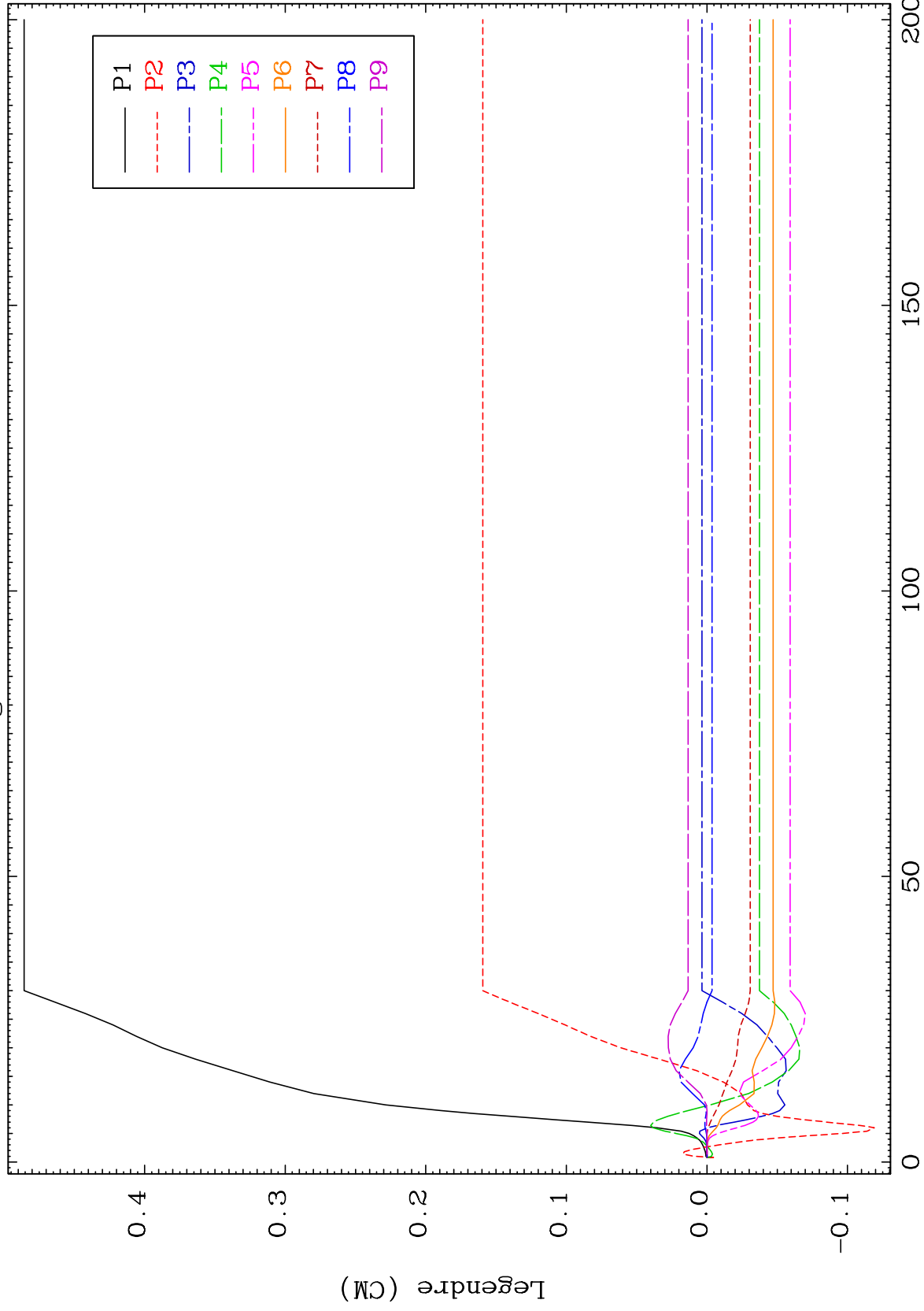




MAT 6598

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

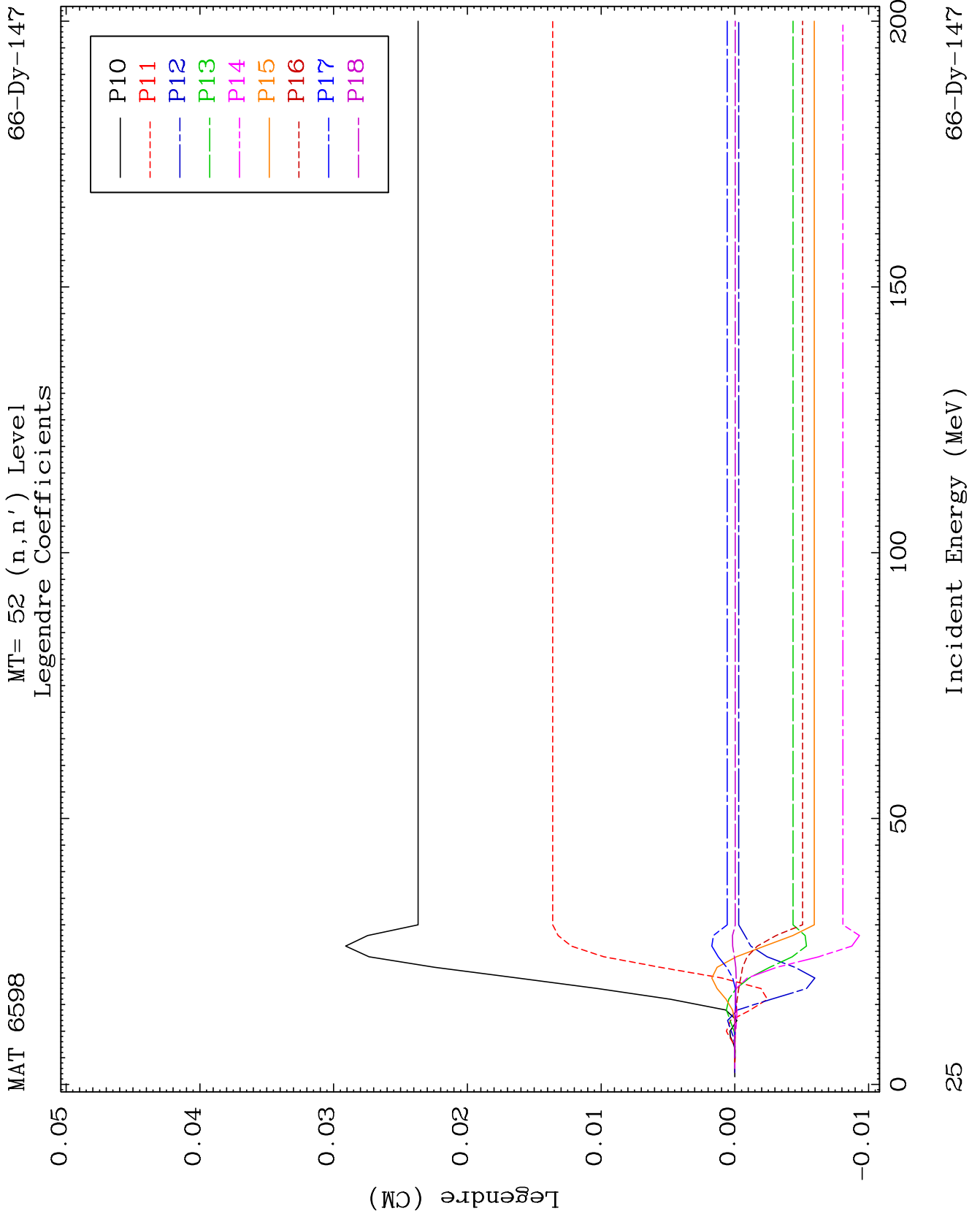
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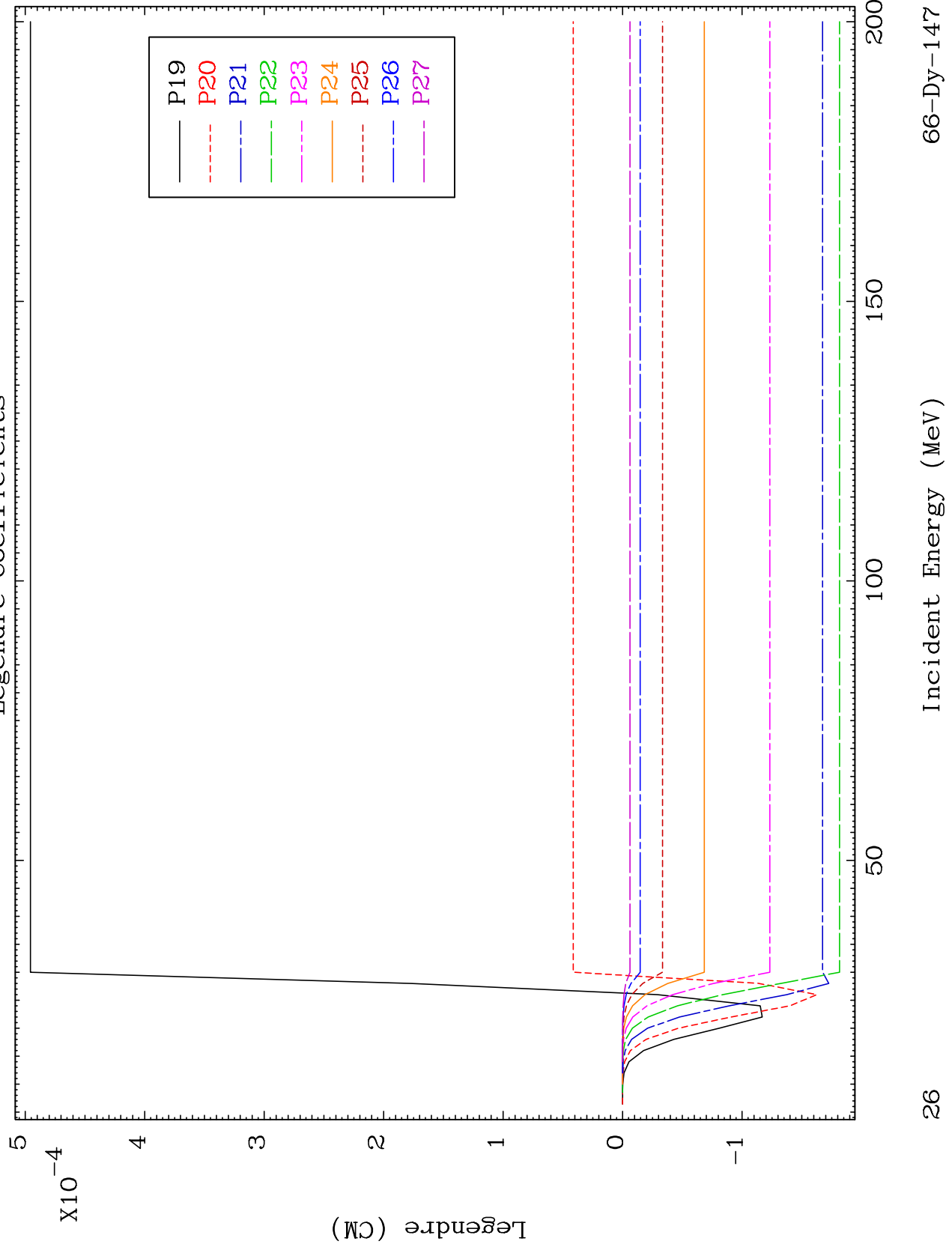


24

Incident Energy (MeV)

66-Dy-147

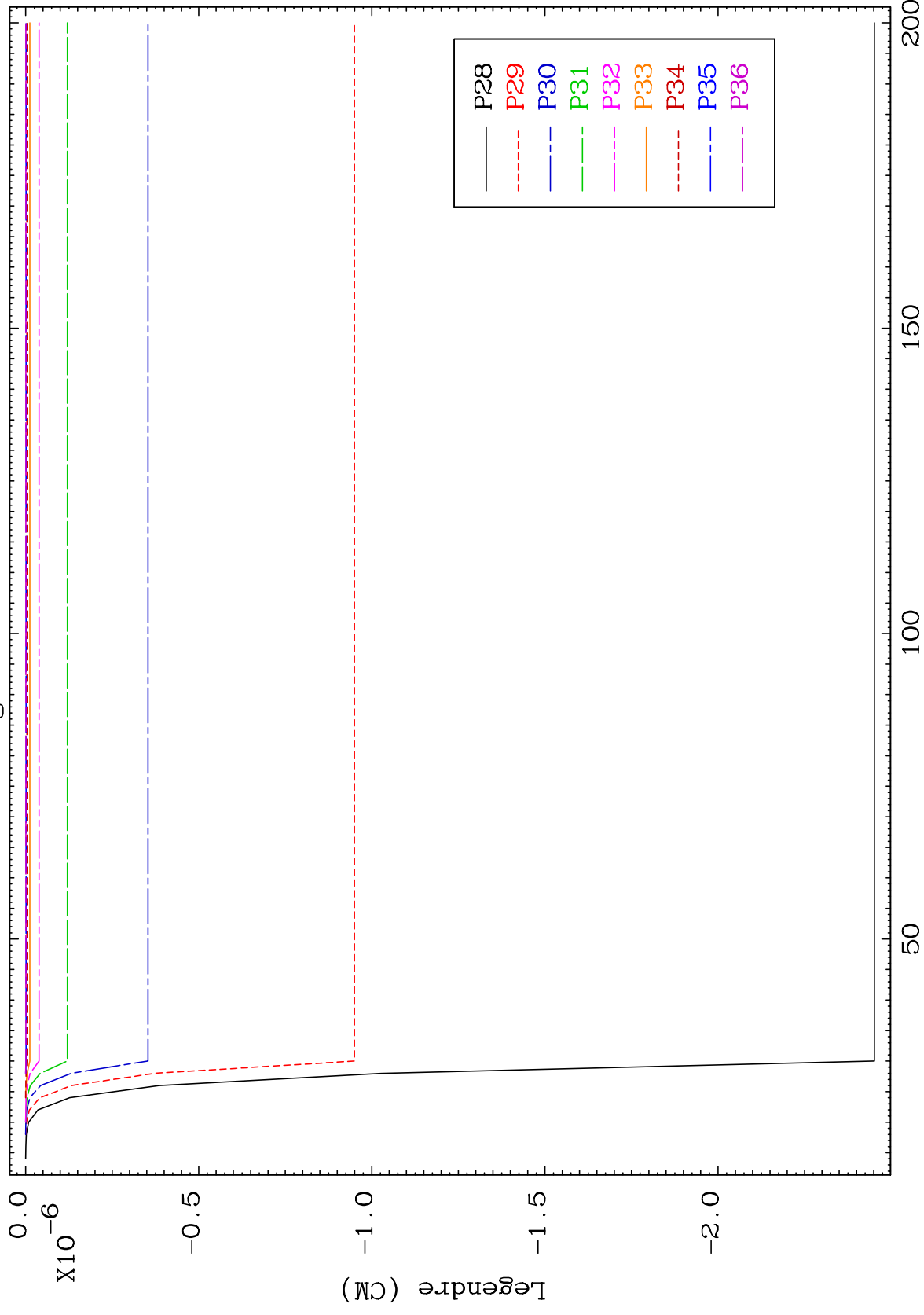




MAT 6598

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

66-Dy-147



27

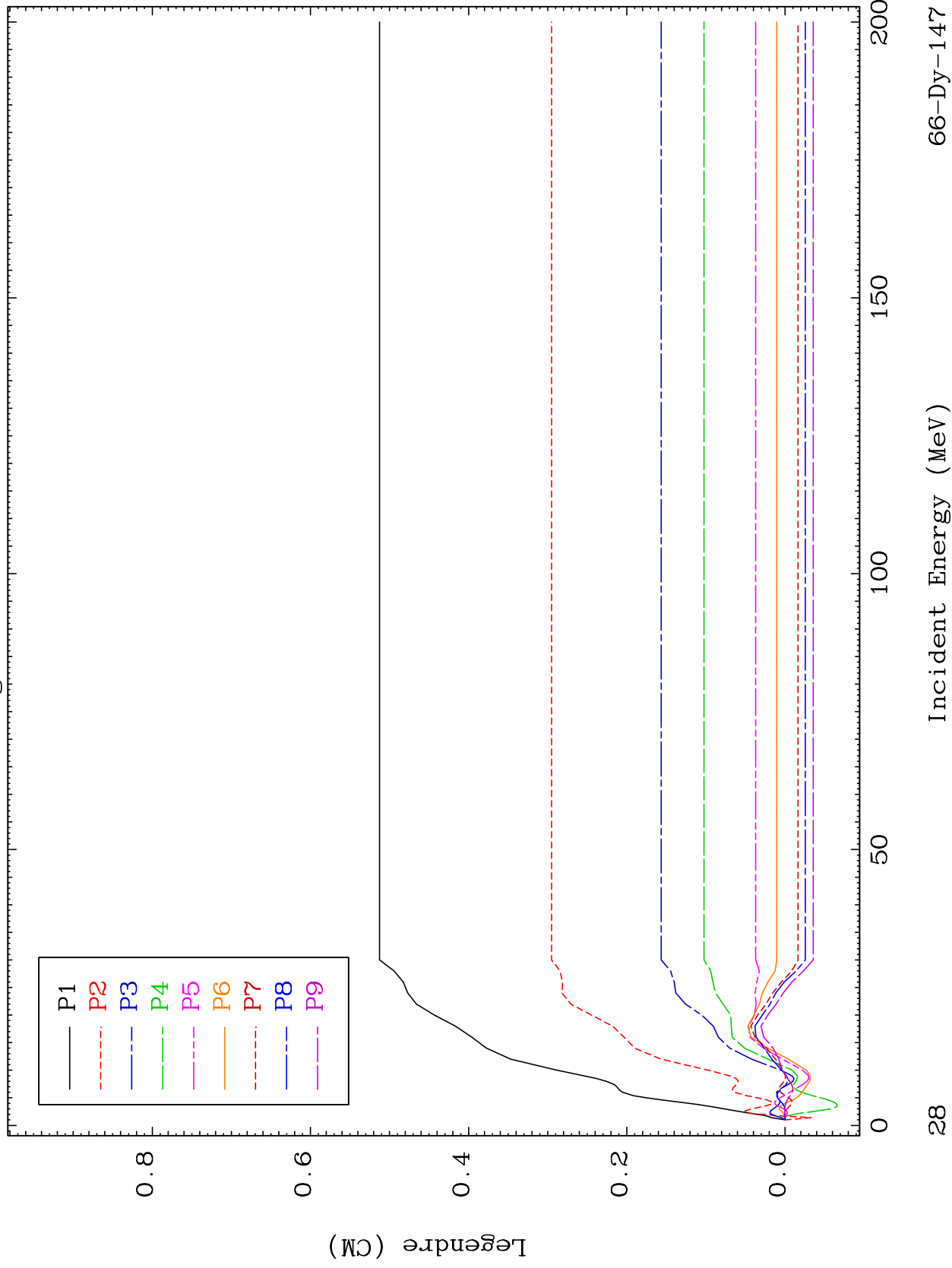
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



66-Dy-147

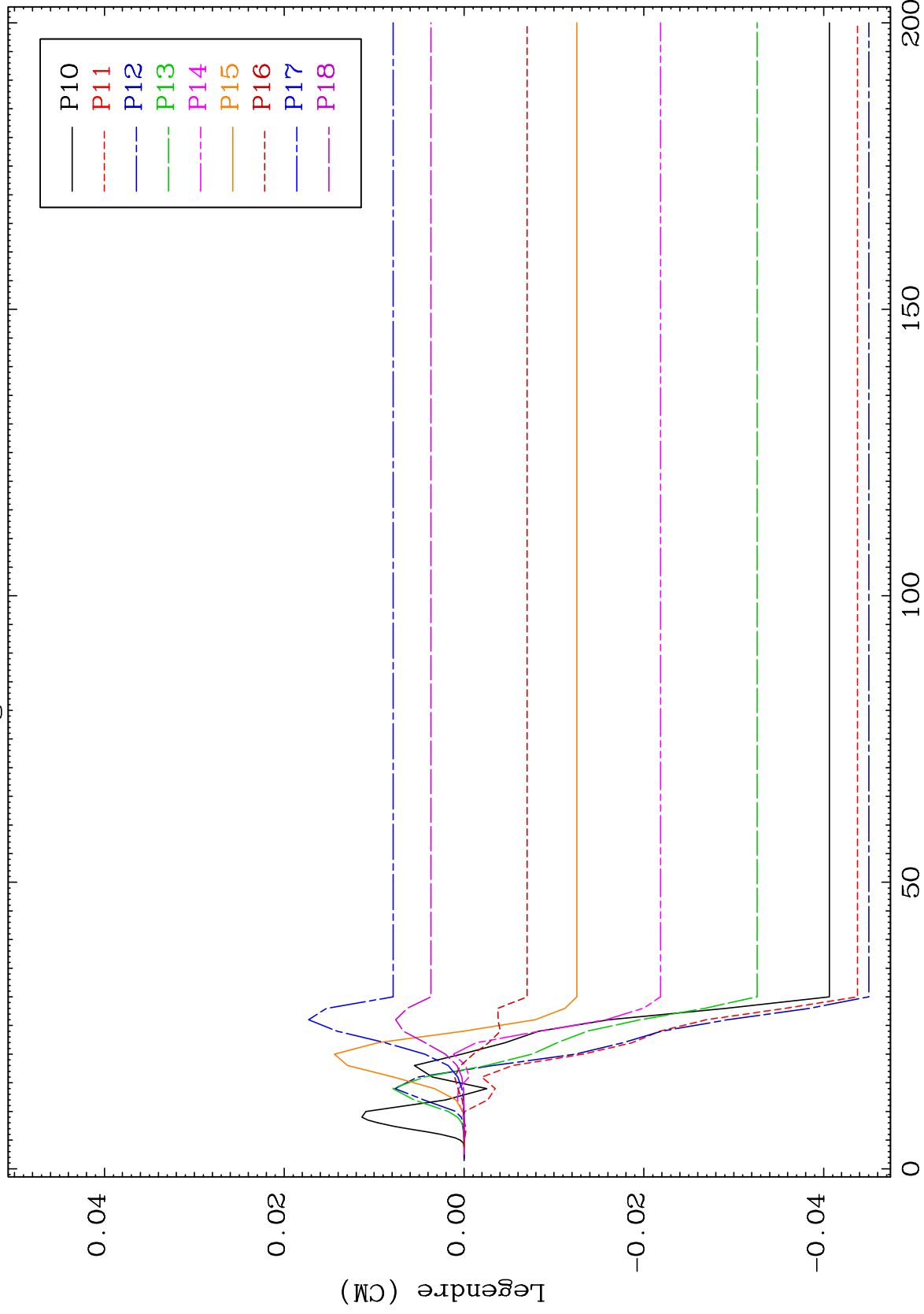
Incident Energy (MeV)

28

MAT 6598

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

66-Dy-147



29

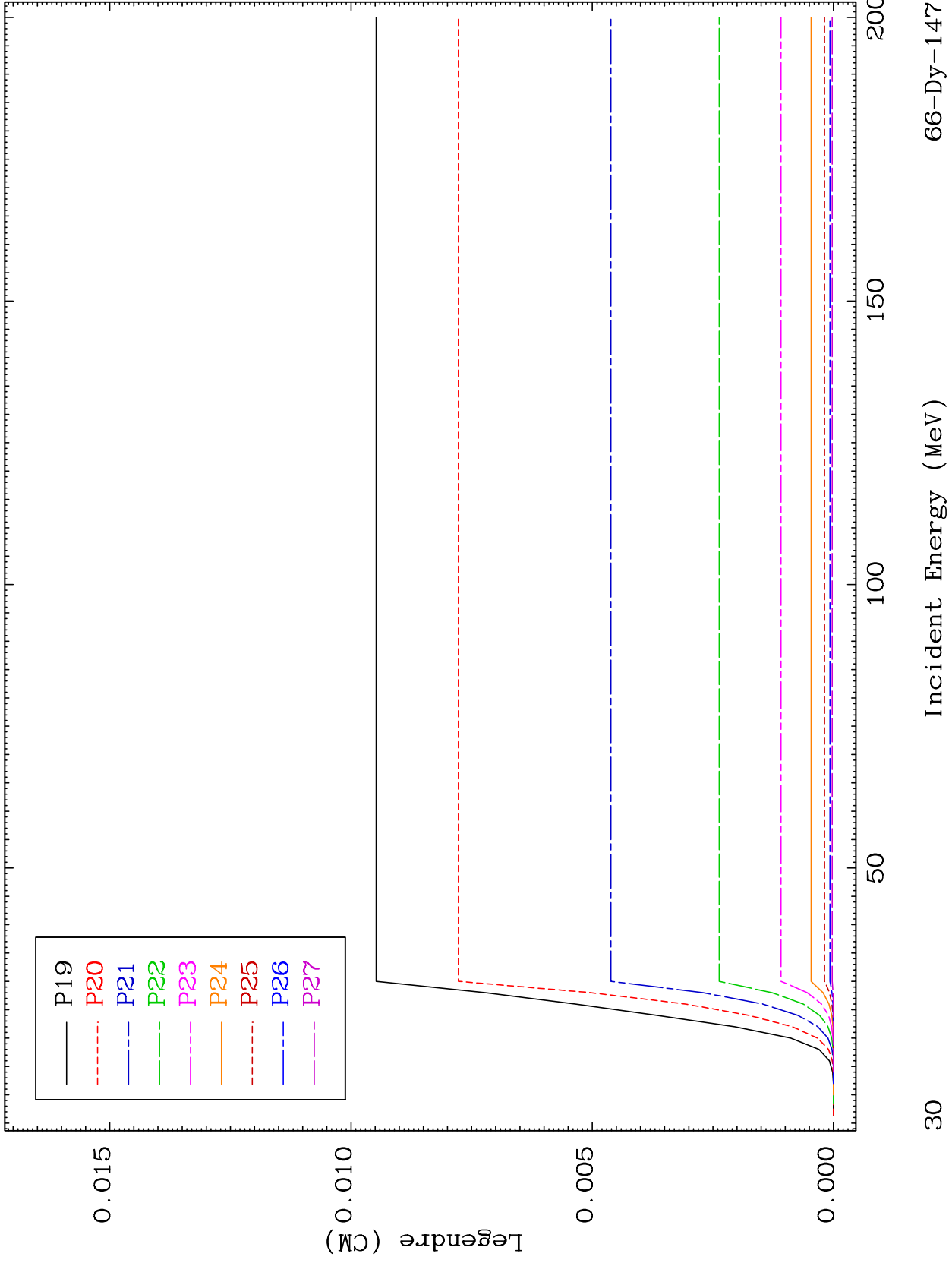
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



30

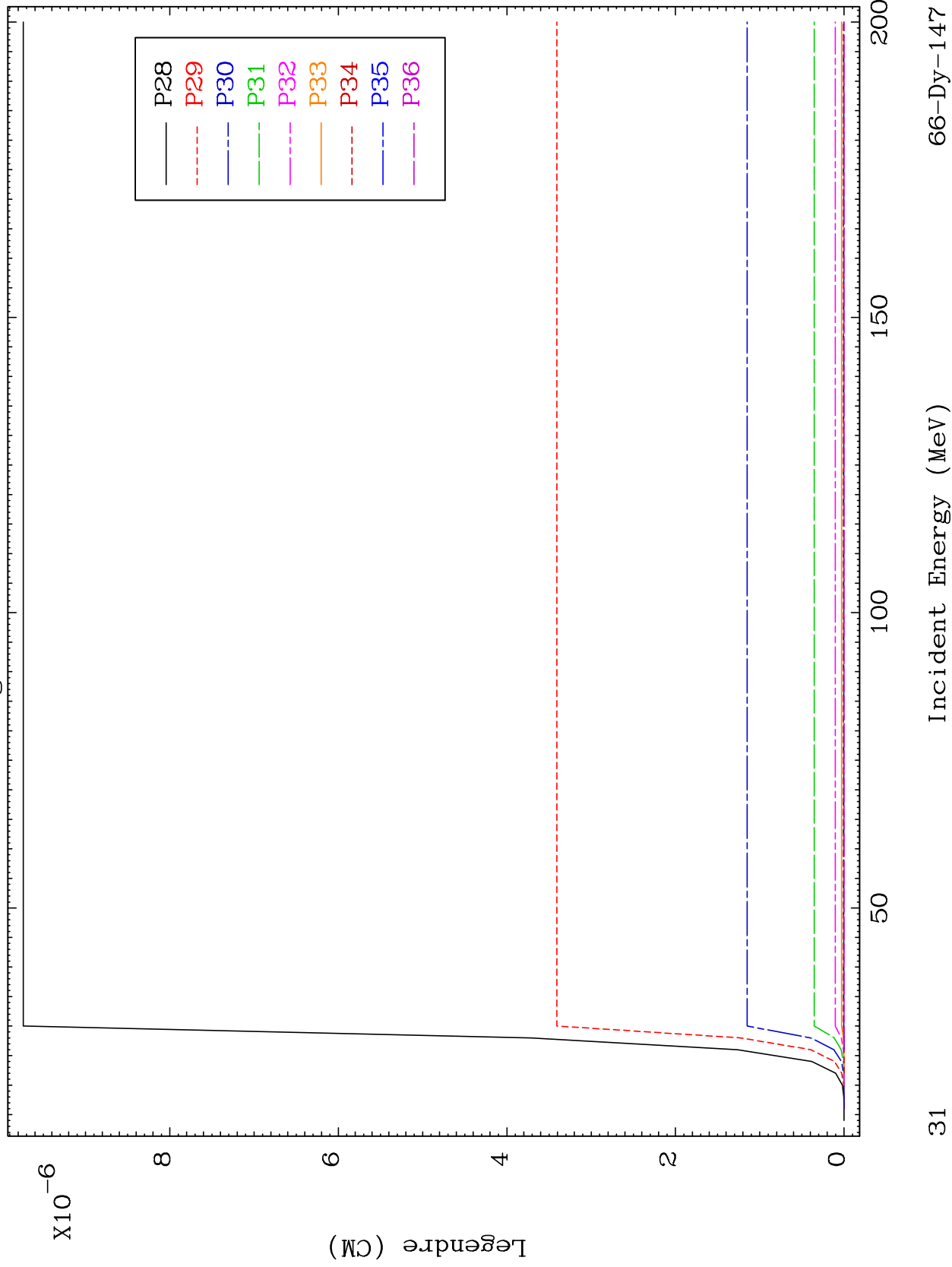
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147

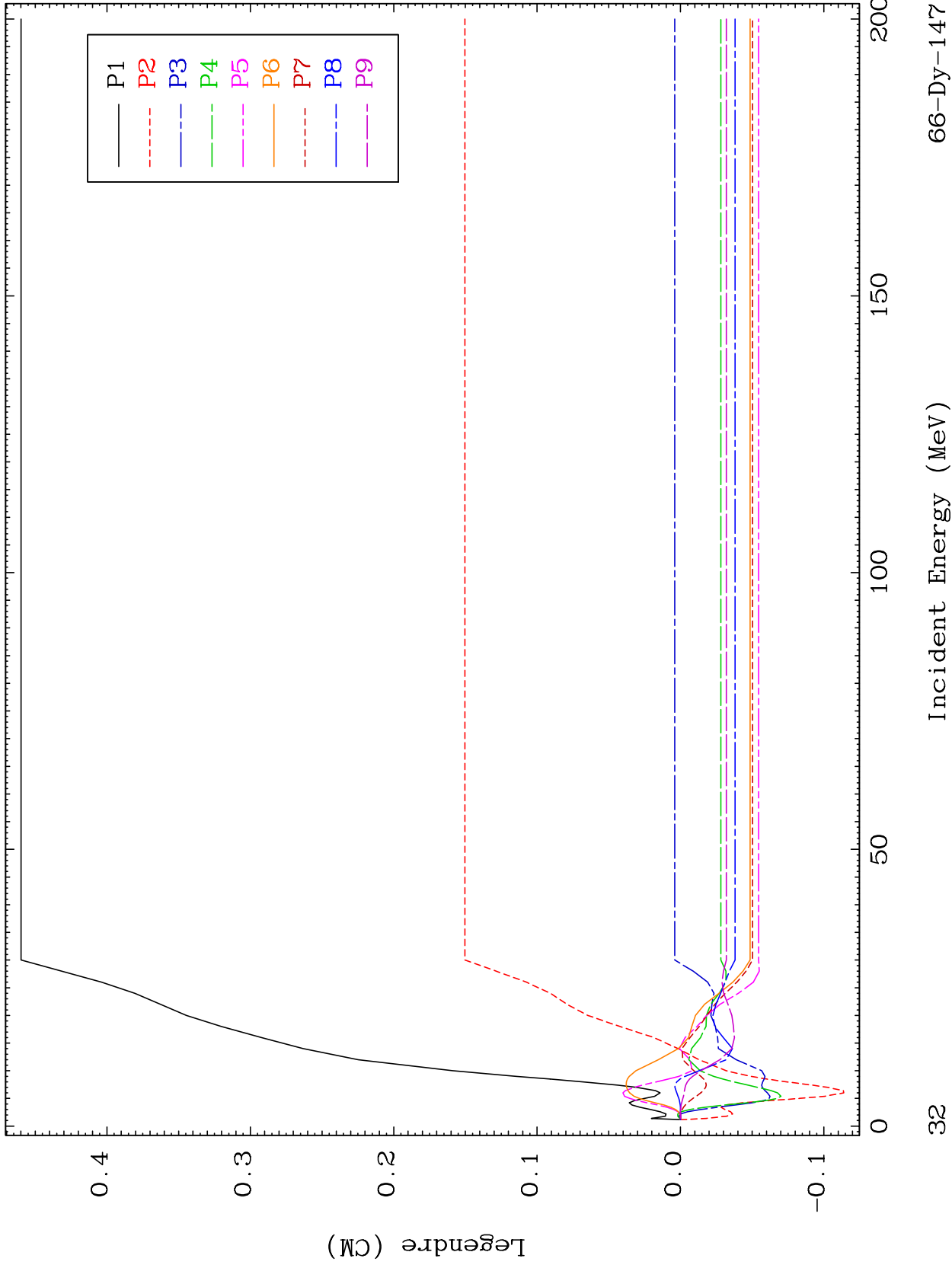




MAT 6598

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

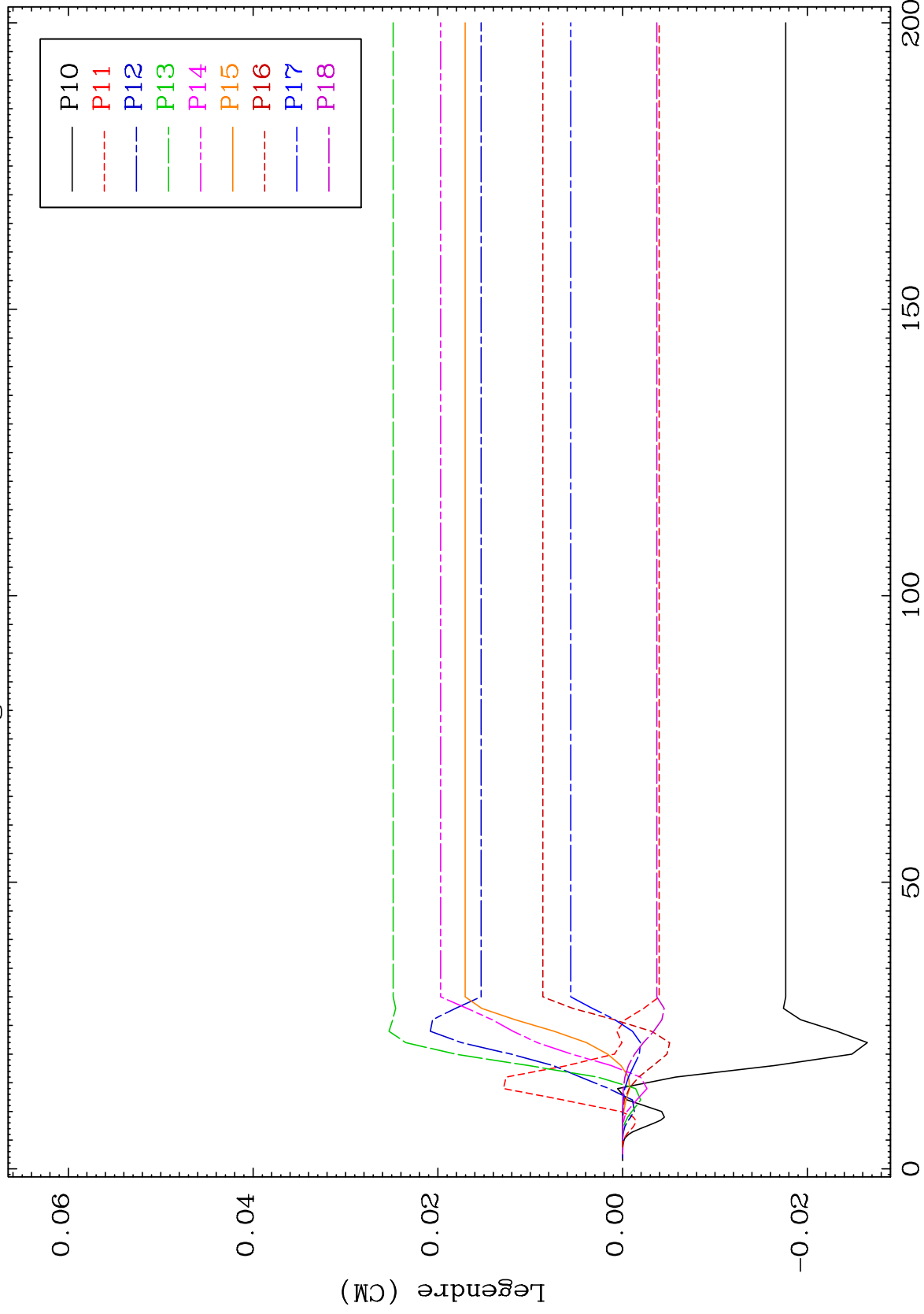
66-Dy-147



MAT 6598

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

66-Dy-147



33

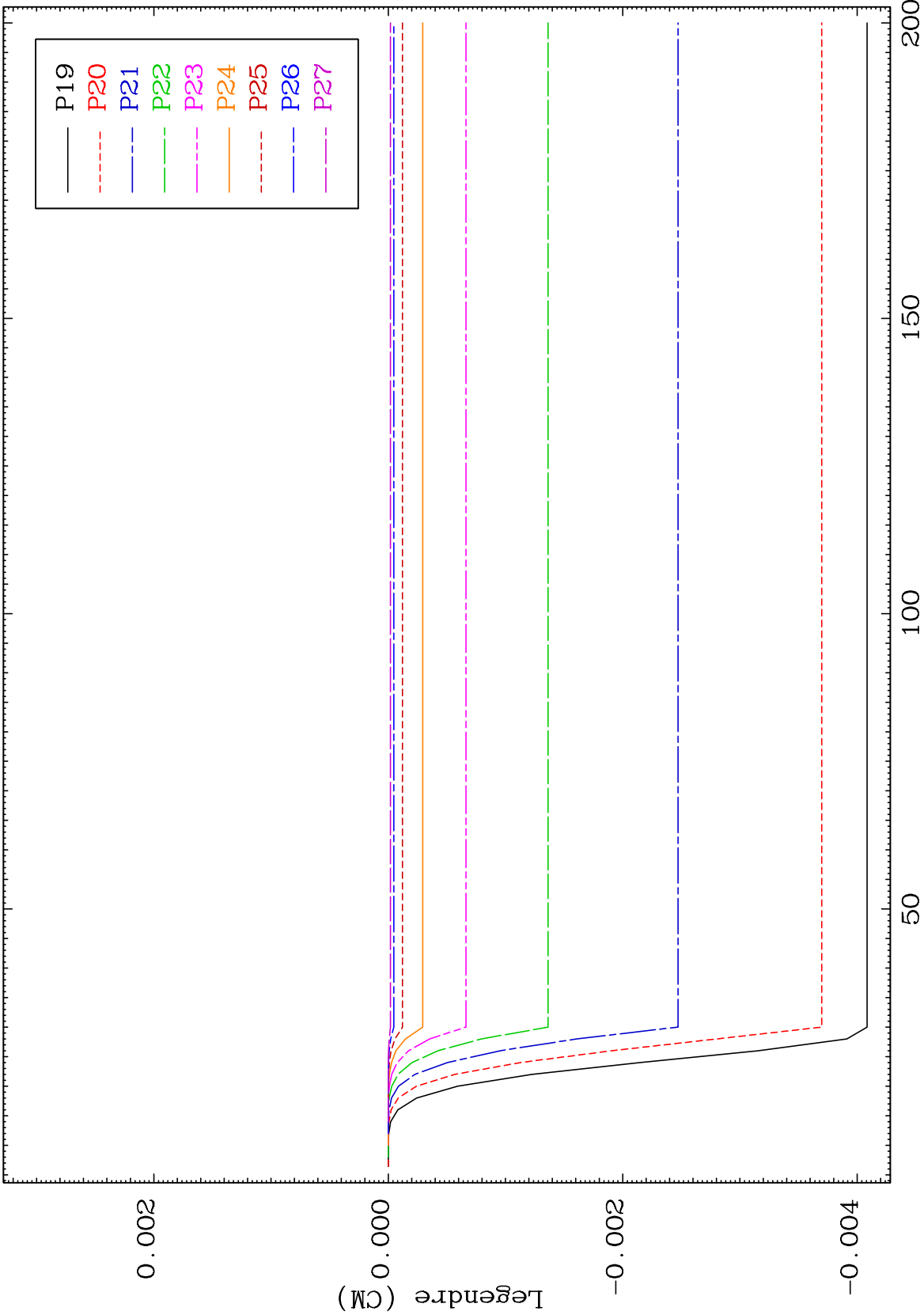
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



34

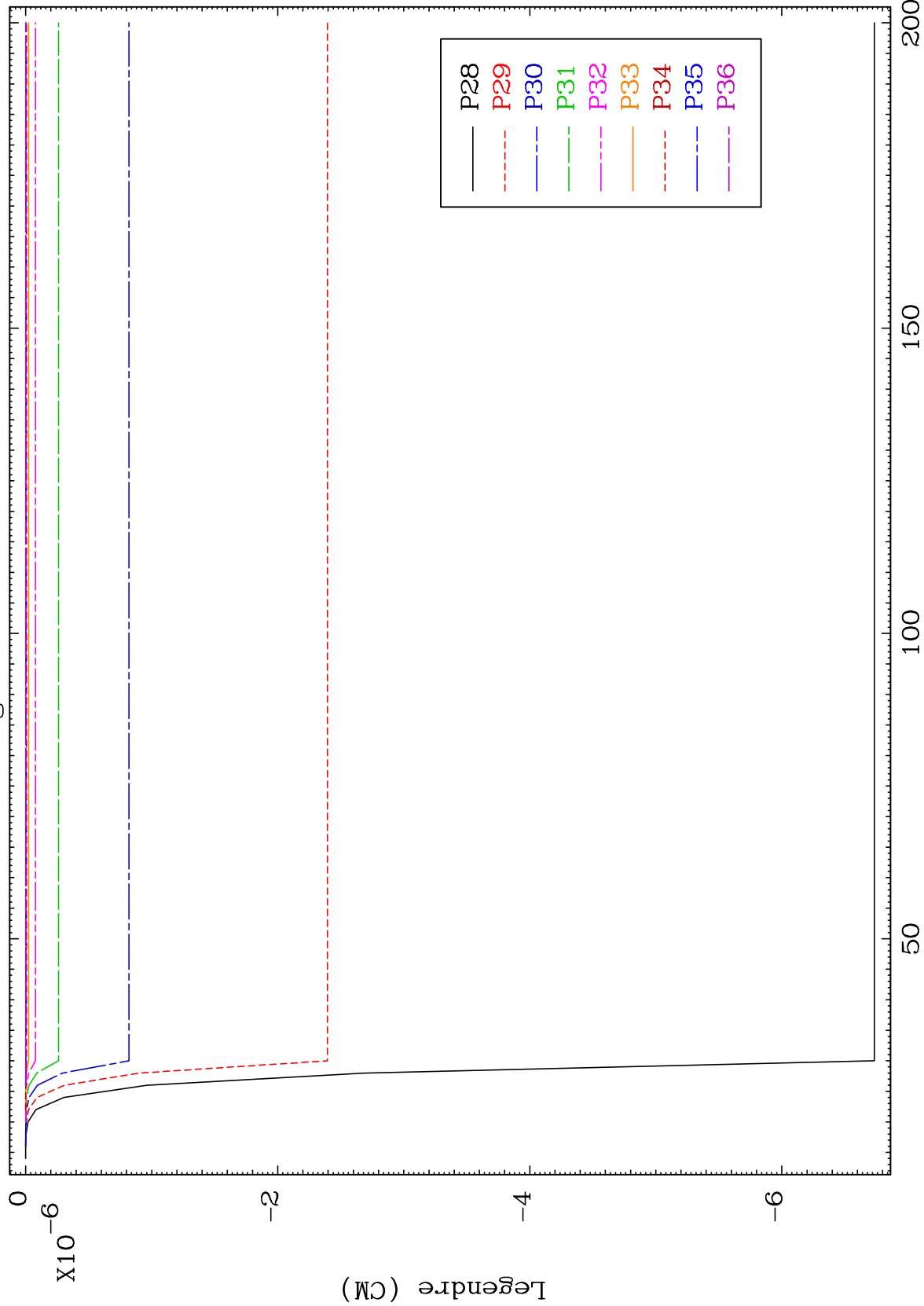
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



35

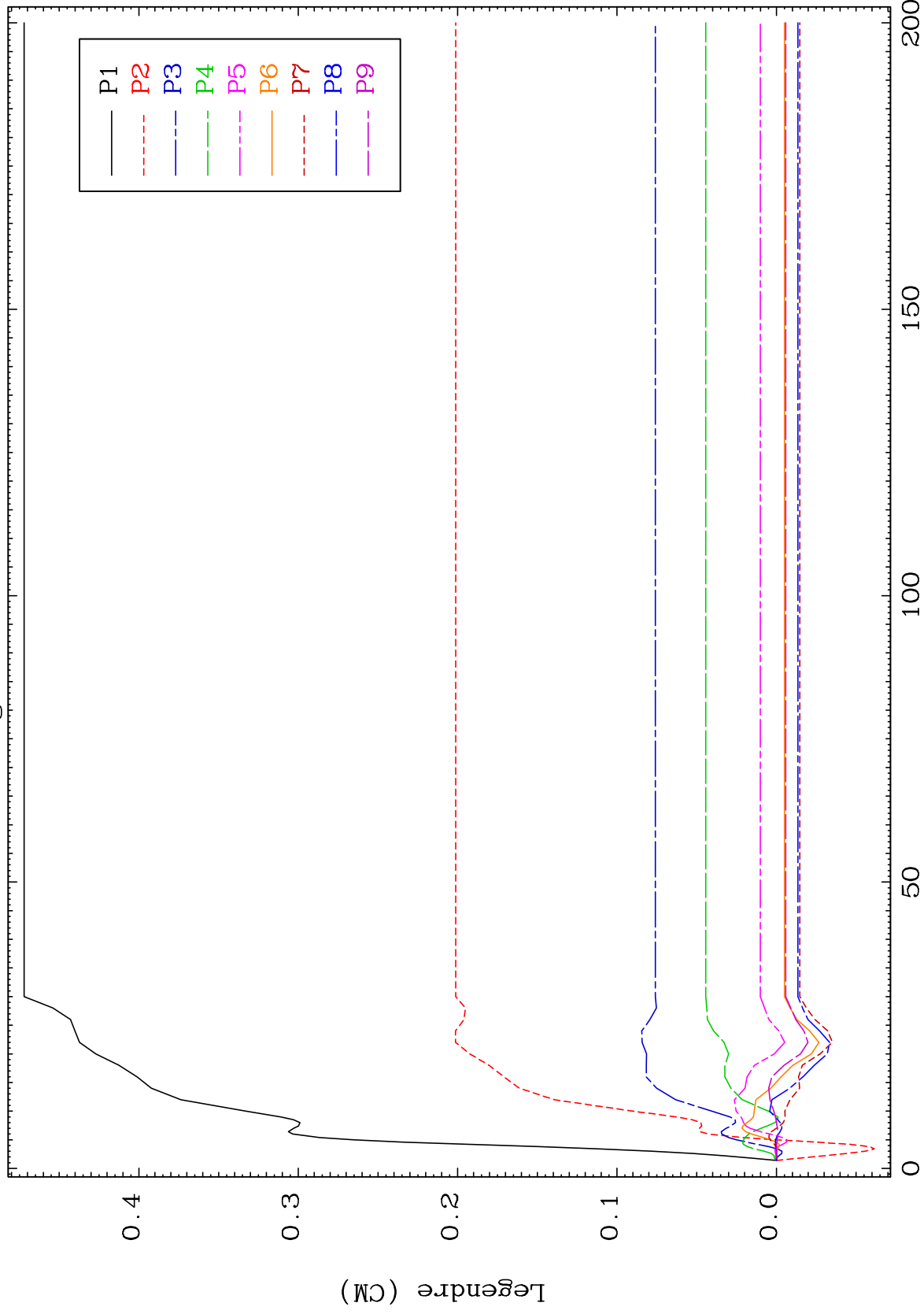
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



36

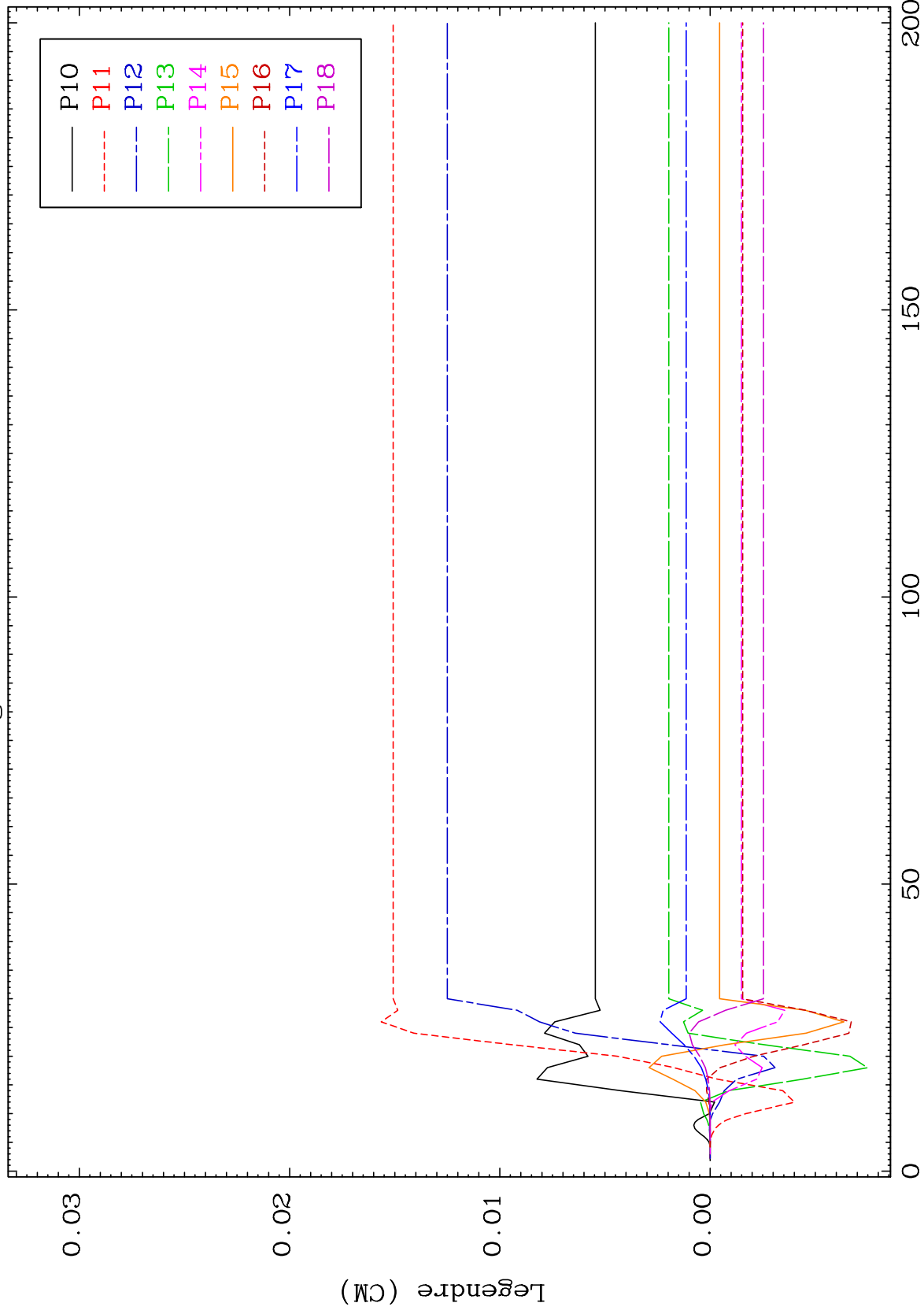
Incident Energy (MeV)

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= 55 (n,n') Level  
Legendre Coefficients

66-Dy-147

$\times 10^{-3}$   
2.0

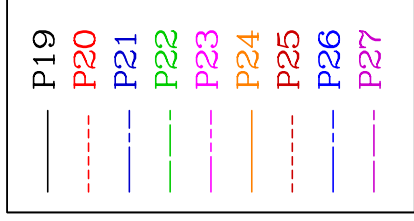
1.5

1.0

0.5

0.0

Legendre (CM)



50 100 150 200

38

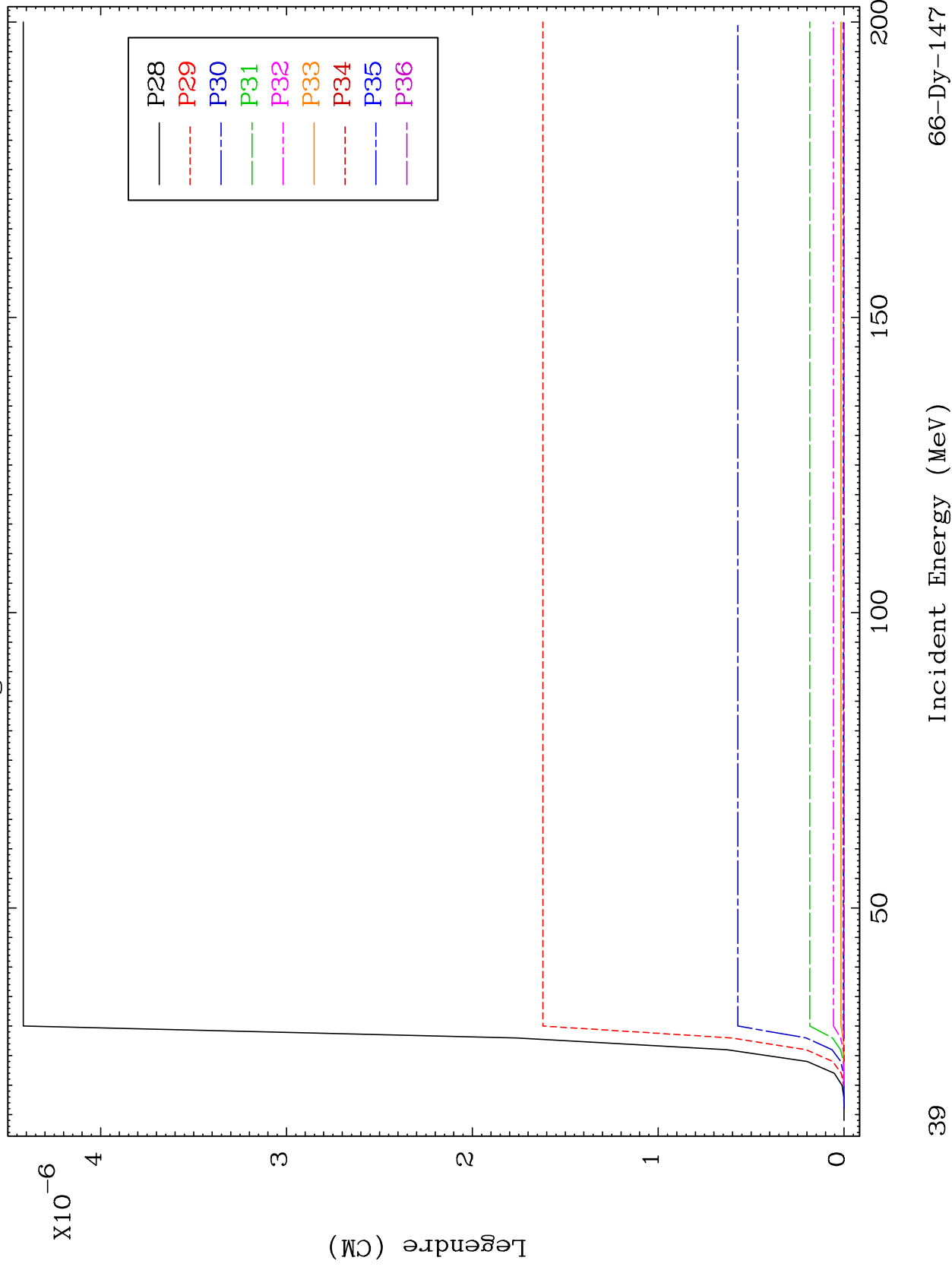
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



39

Incident Energy (MeV)

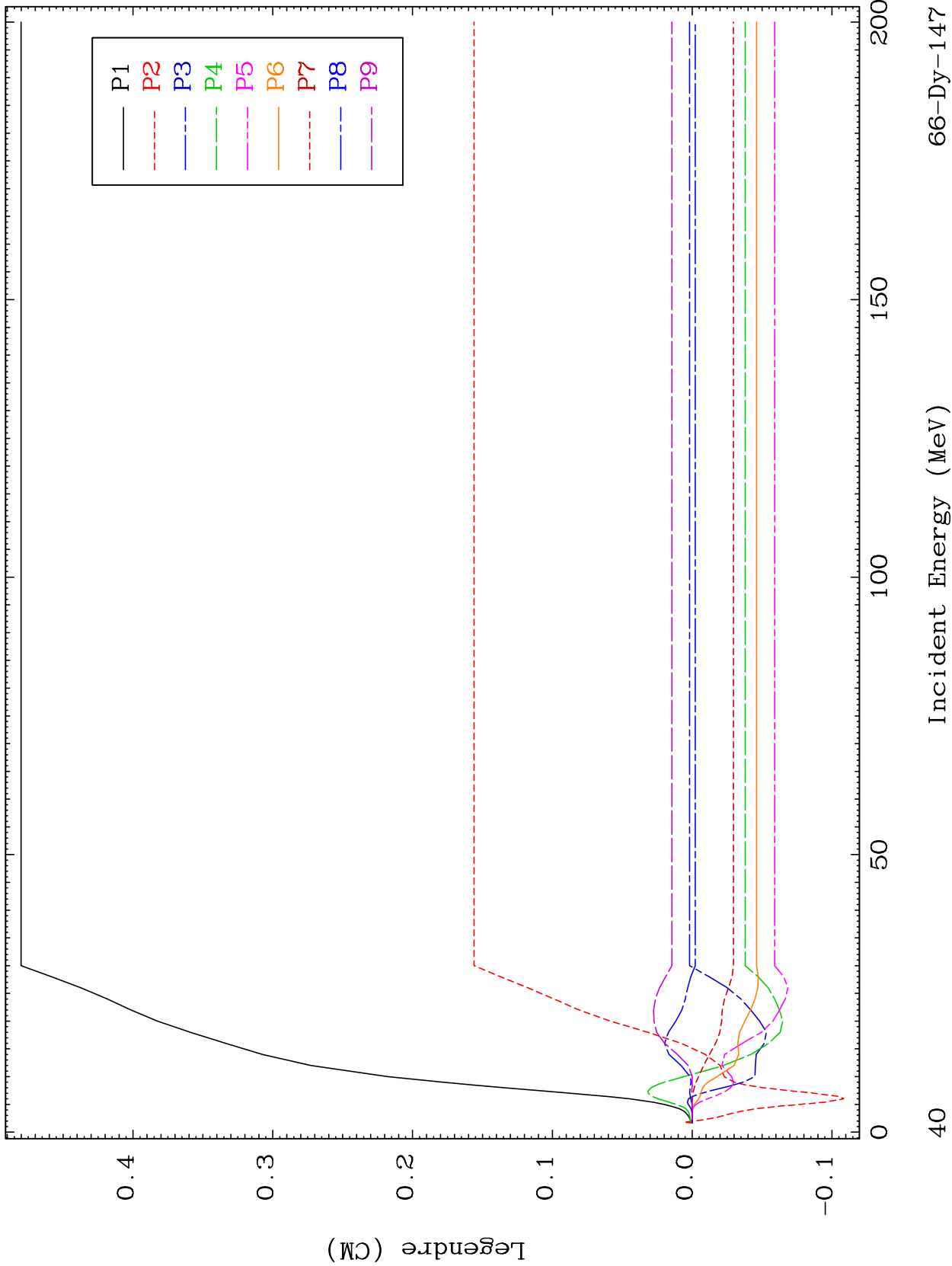
66-Dy-147



MAT 6598

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

66-Dy-147



66-Dy-147

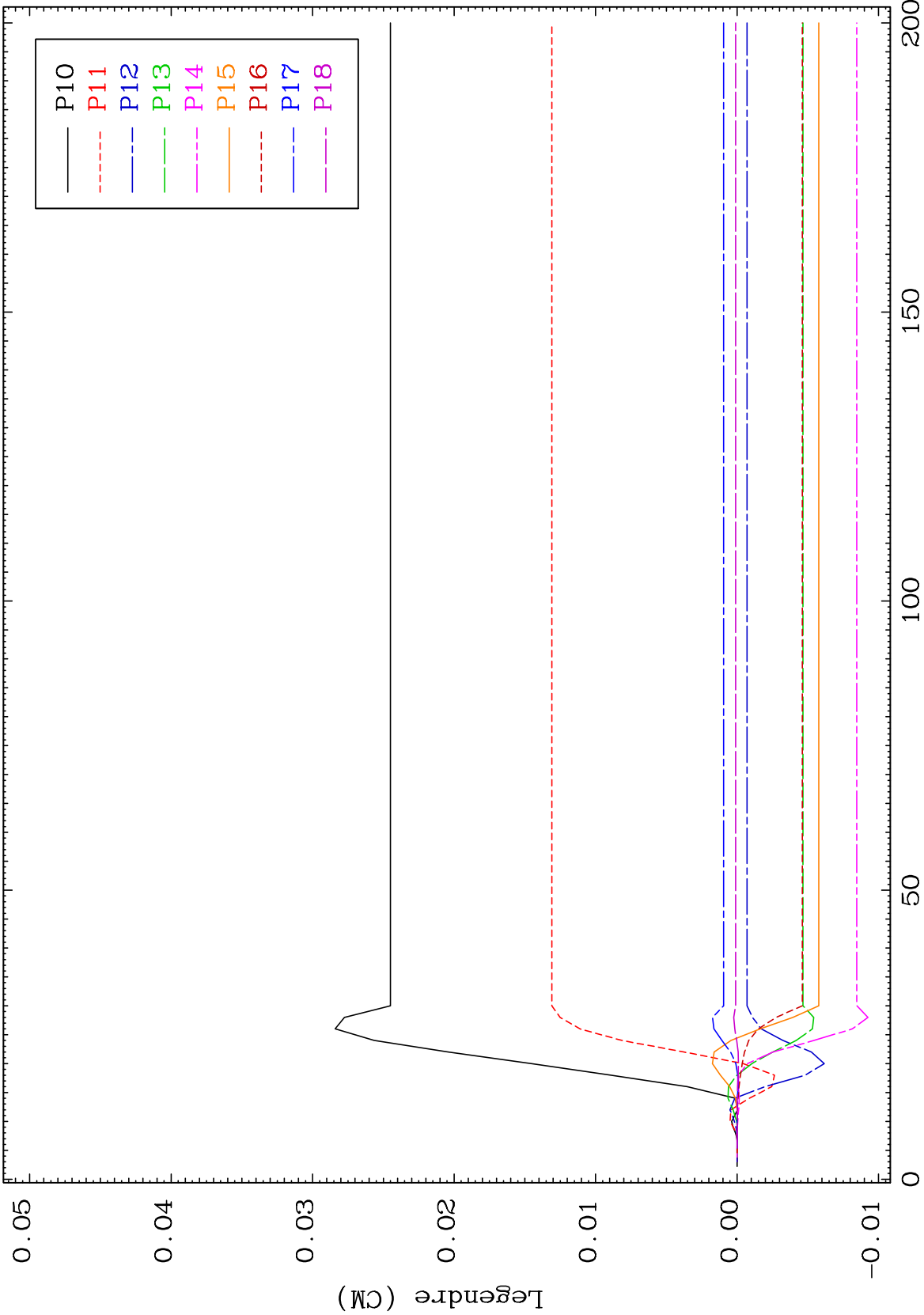
Incident Energy (MeV)

40

MAT 6598

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

66-Dy-147



41

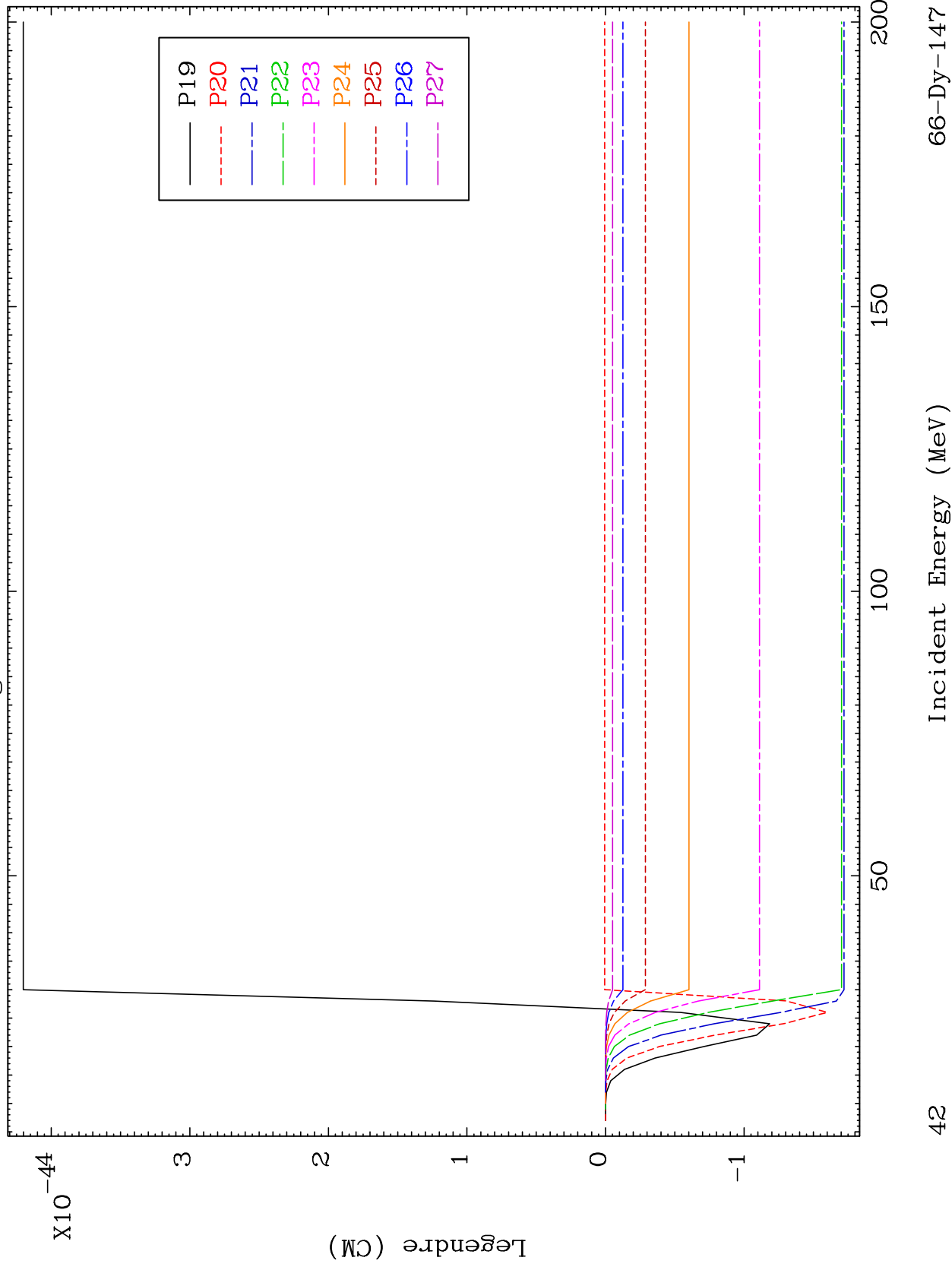
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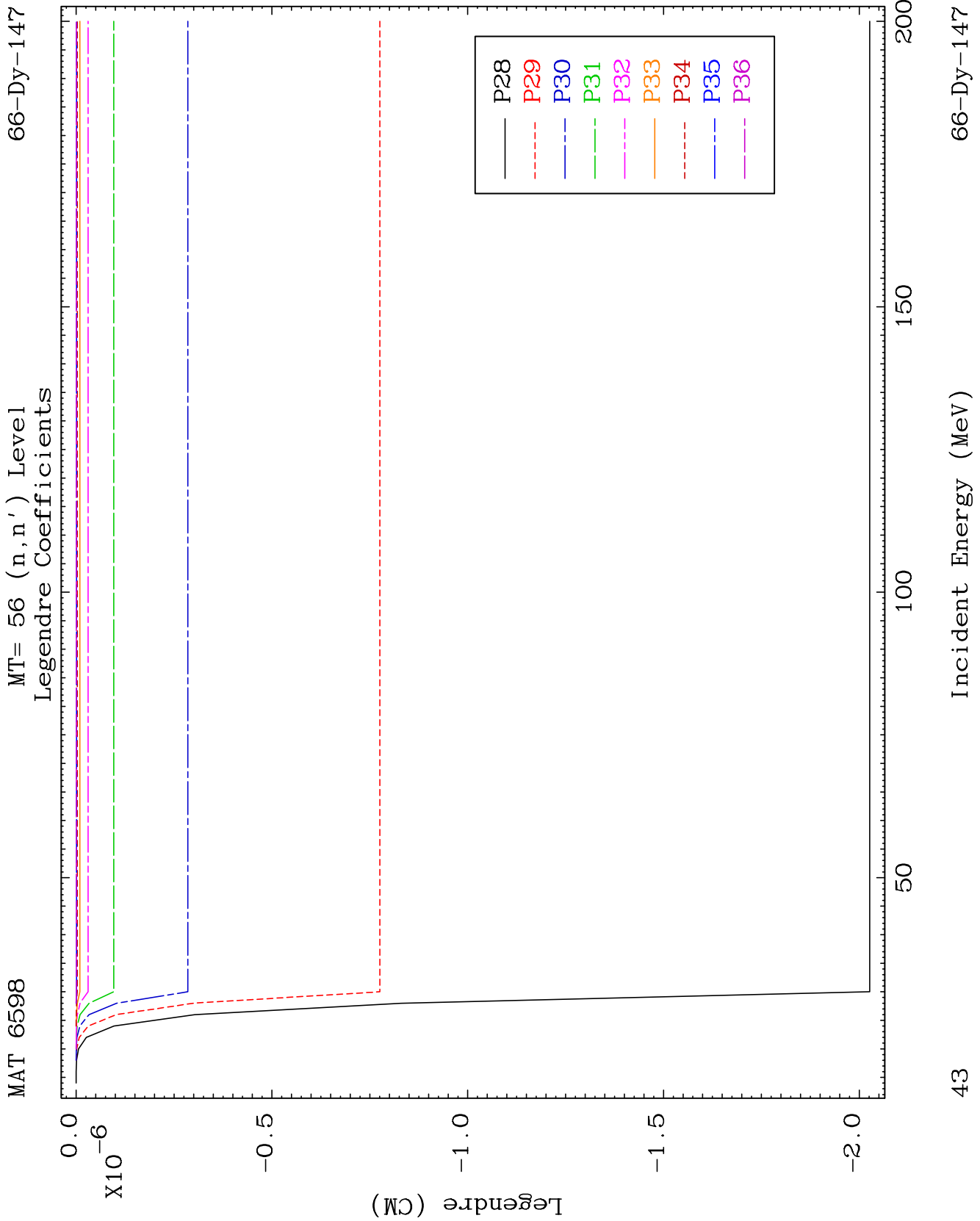
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MAT 6598

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

66-Dy-147

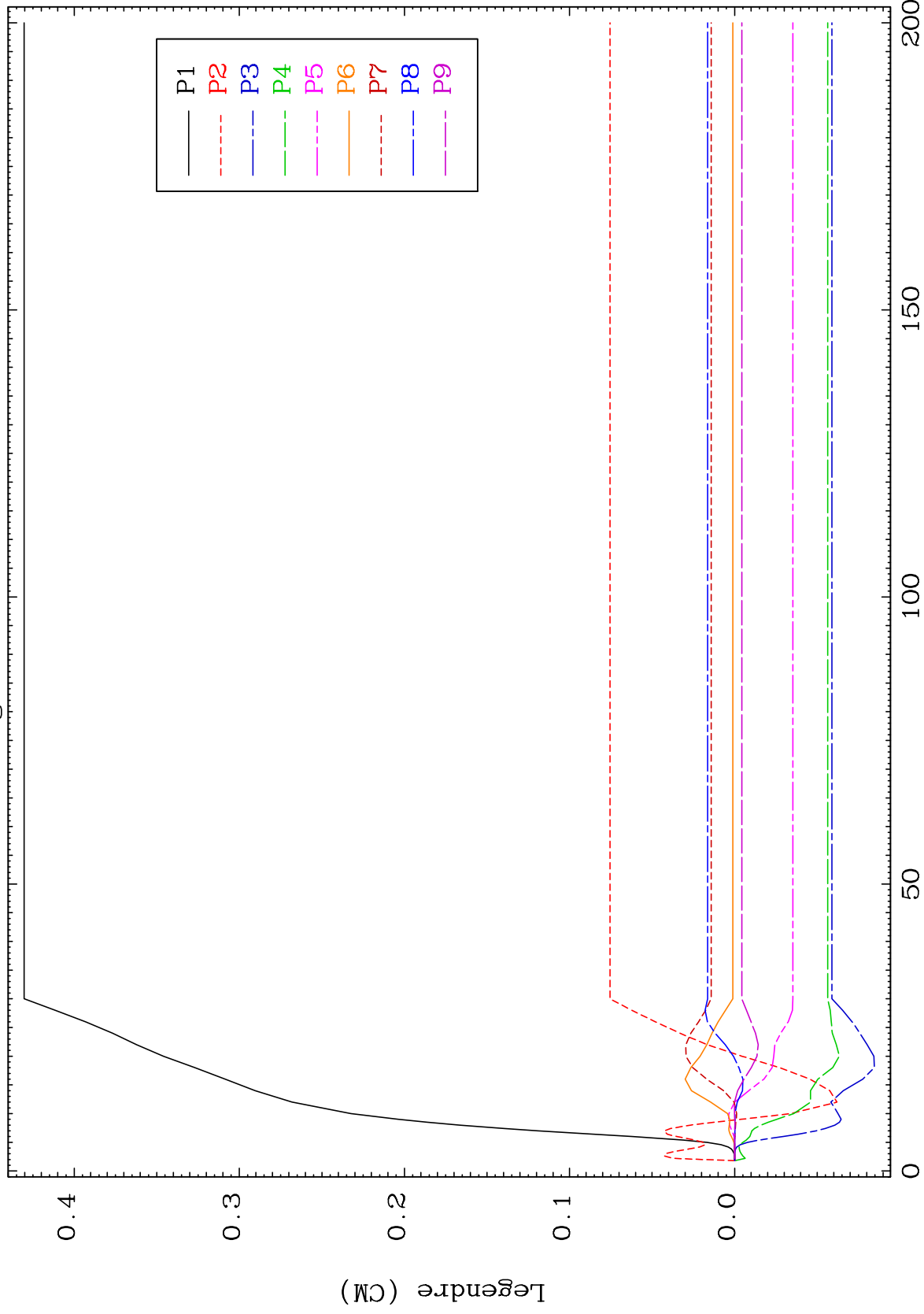




MAT 6598

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

66-Dy-147



44

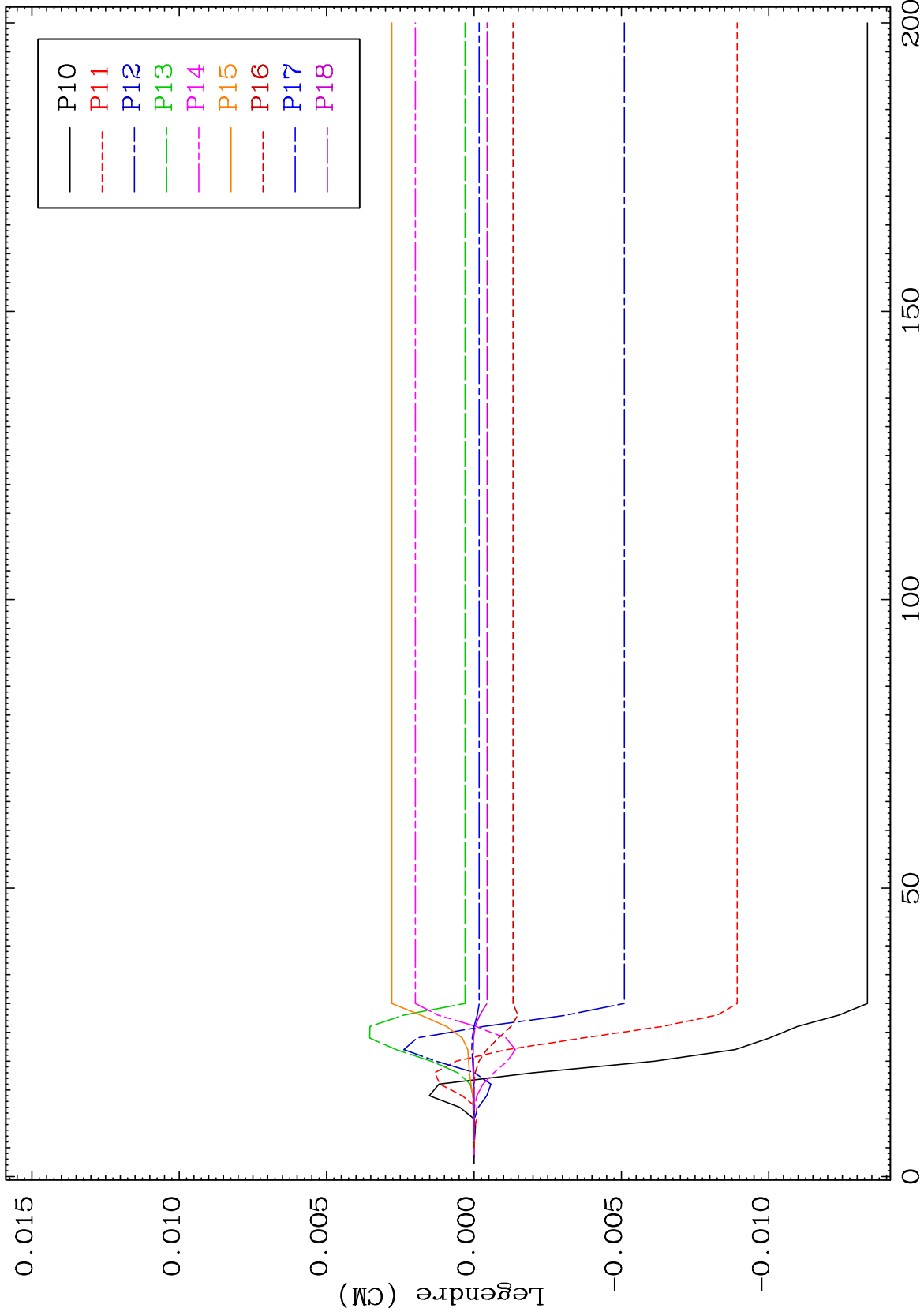
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



45

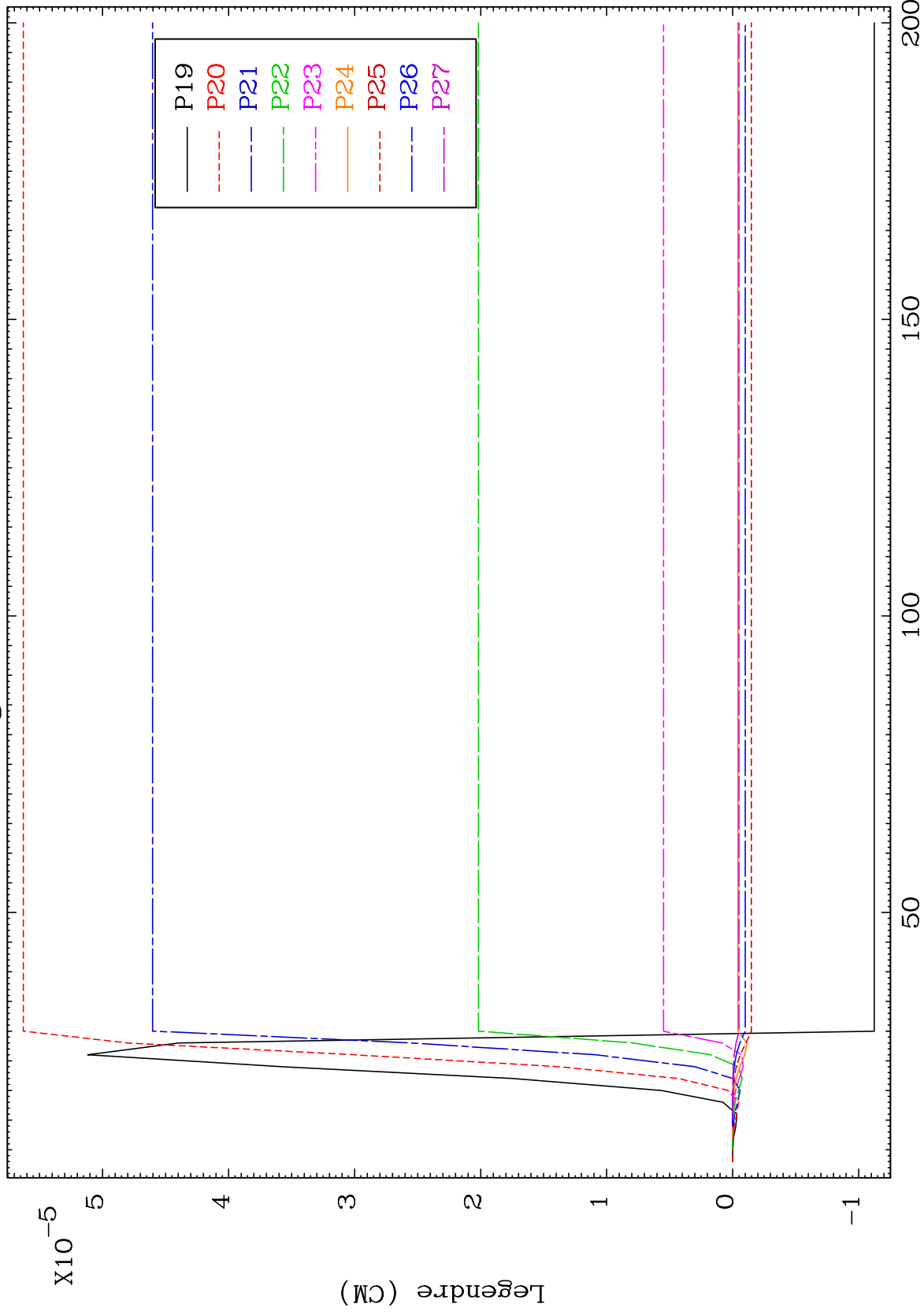
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



46

Incident Energy (MeV)

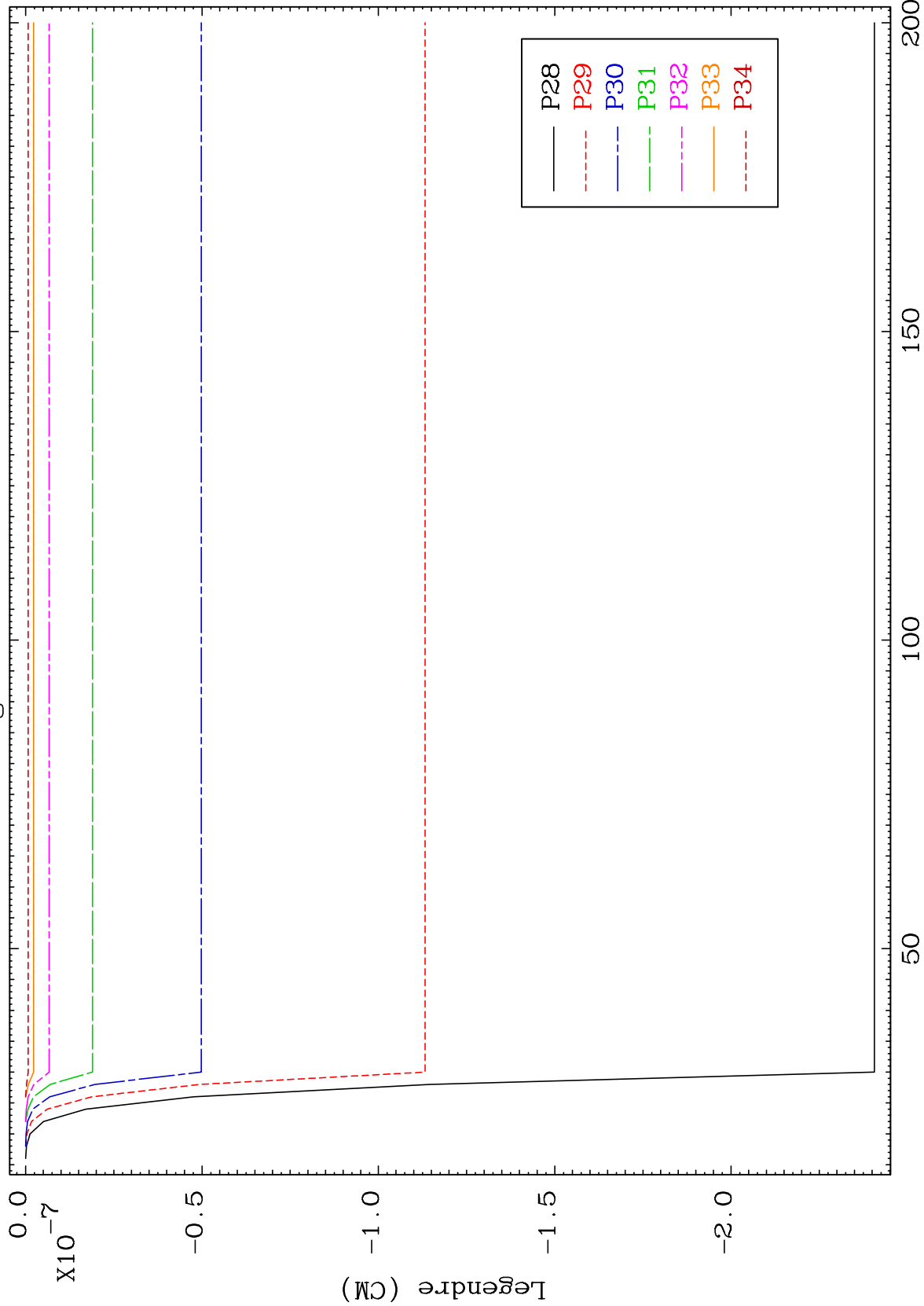
66-Dy-147

MAT 6598

MT= 57 (n,n') Level

66-Dy-147

Legendre Coefficients

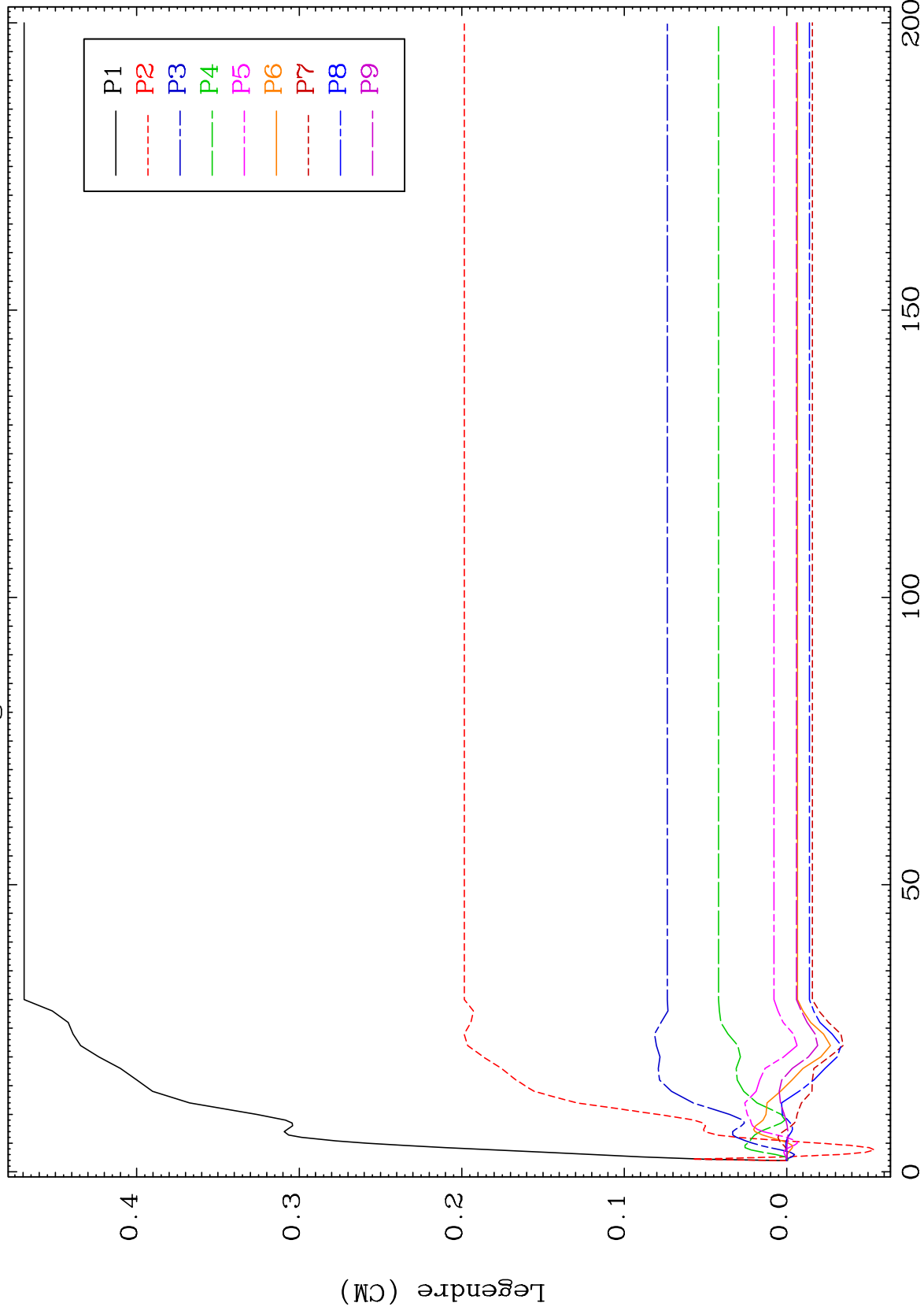




MAT 6598

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

66-Dy-147



66-Dy-147

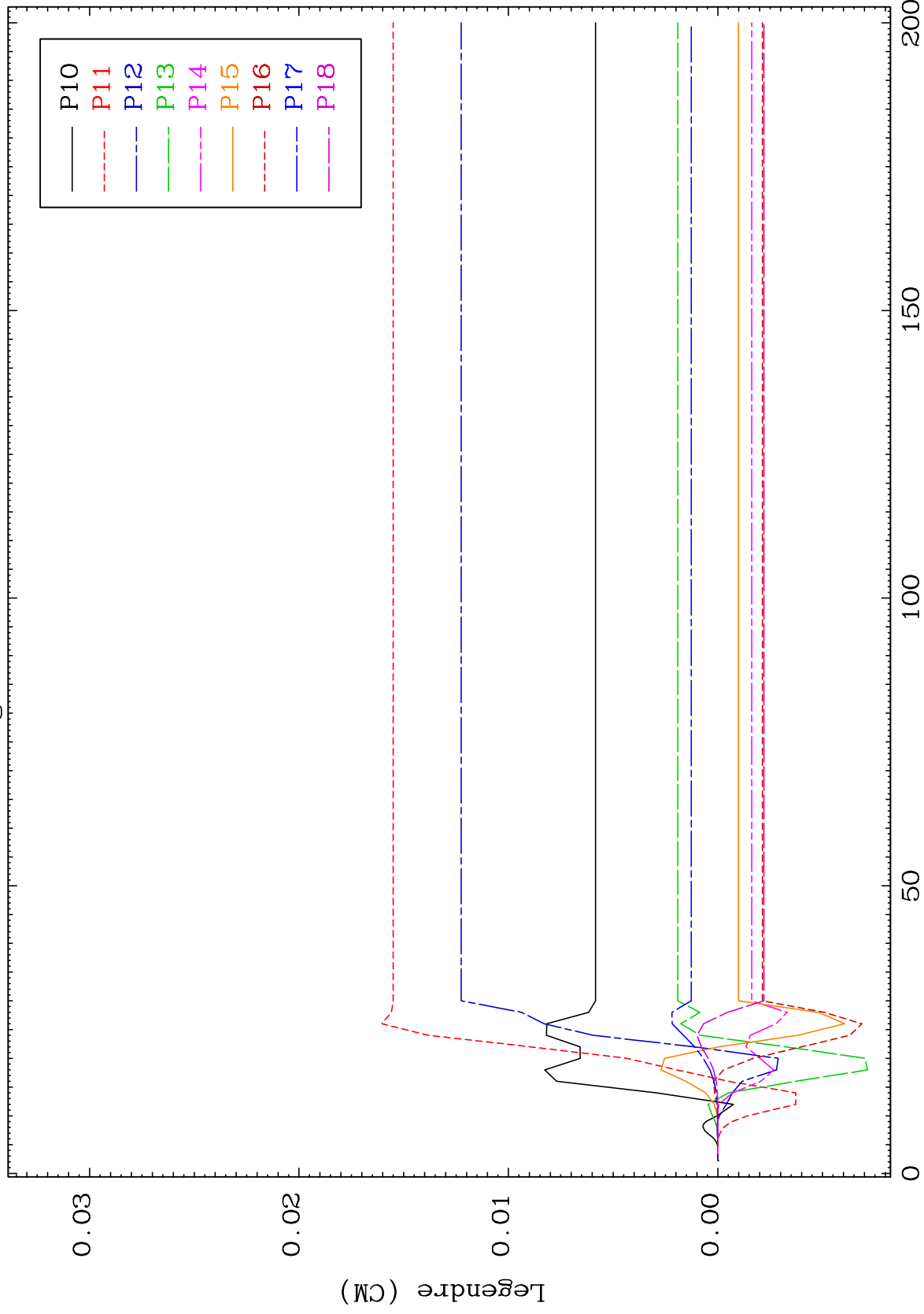
Incident Energy (MeV)

48

MAT 6598

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

66-Dy-147



49

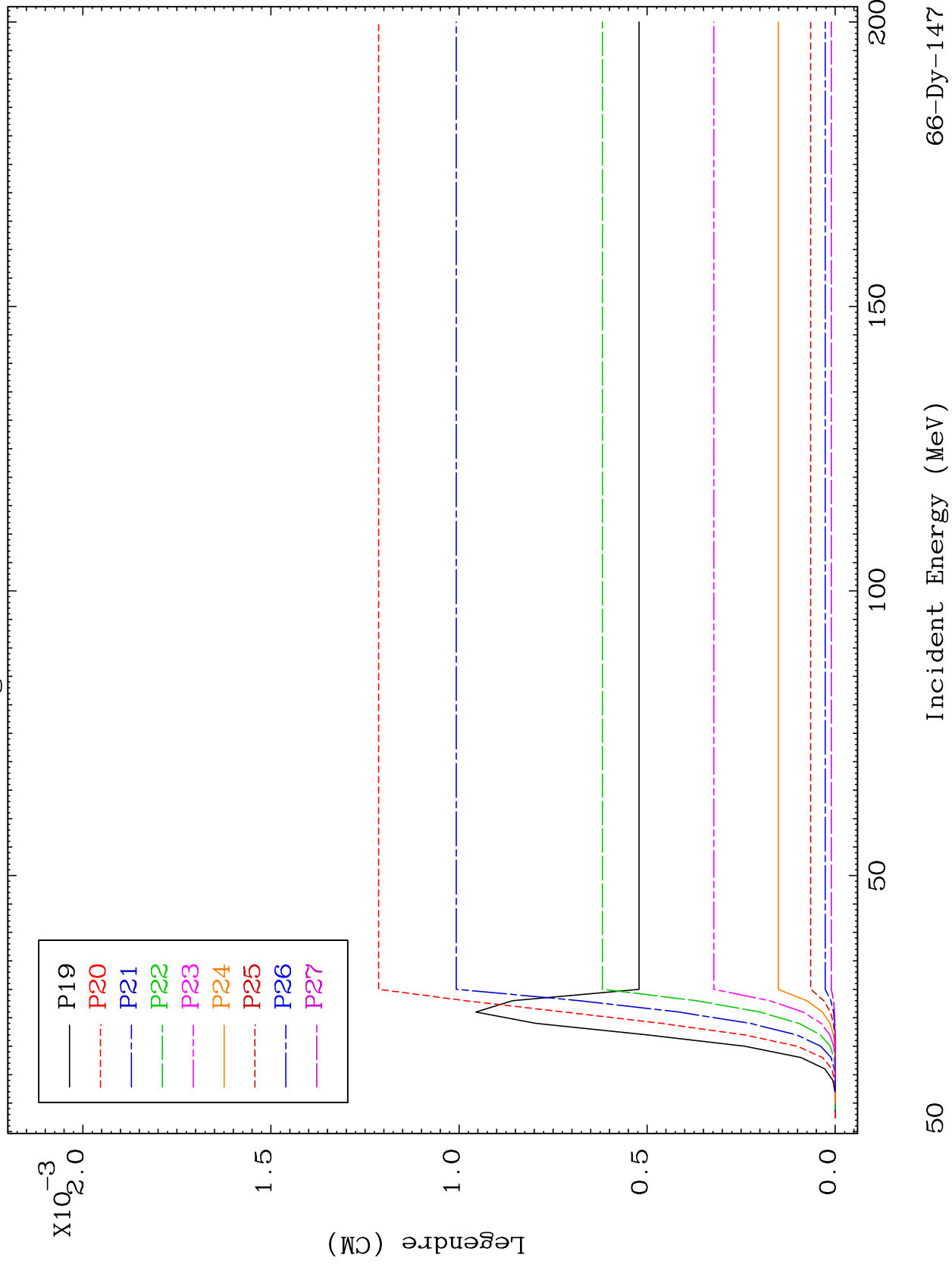
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

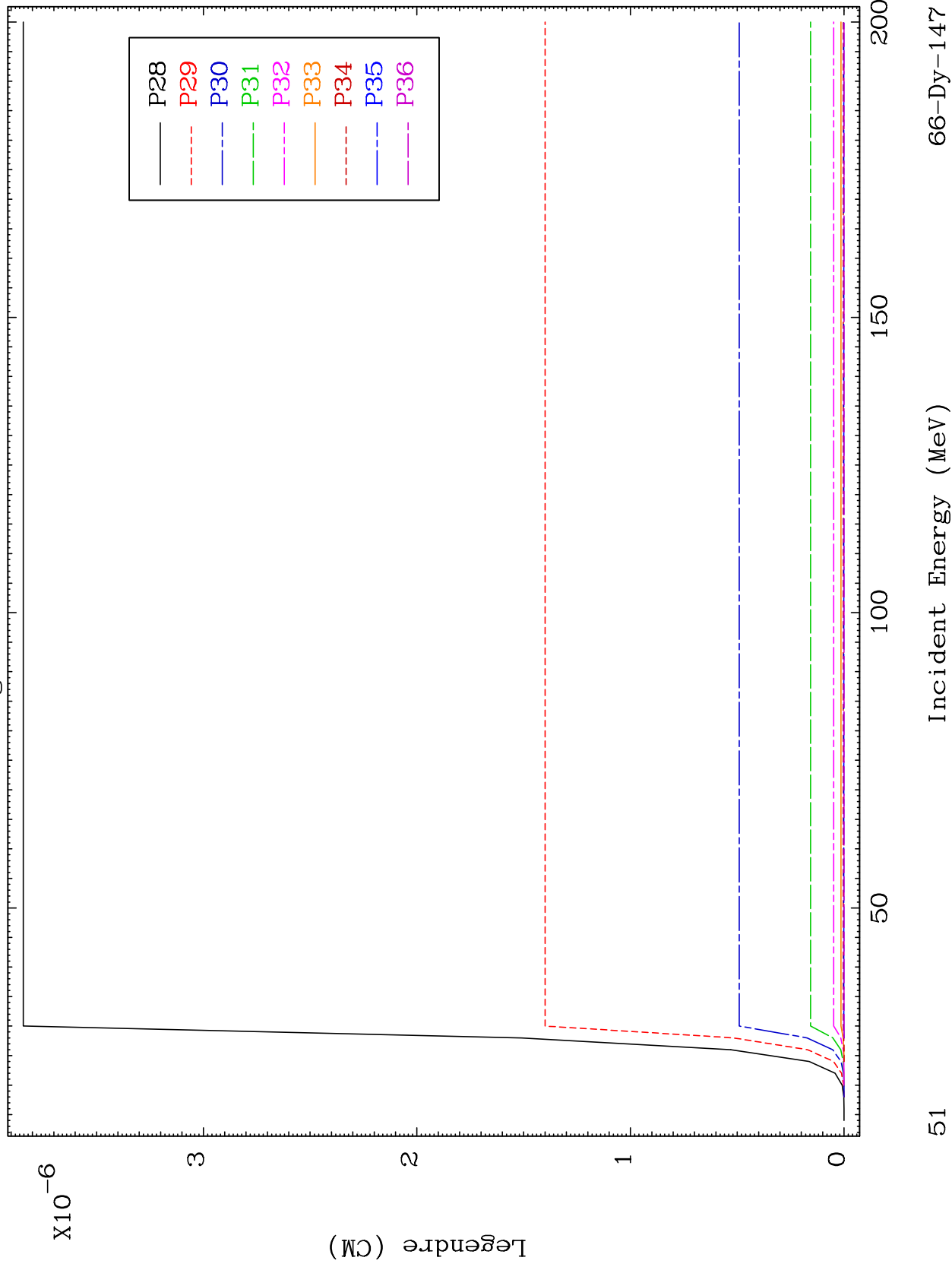
66-Dy-147



MAT 6598

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

66-Dy-147



51

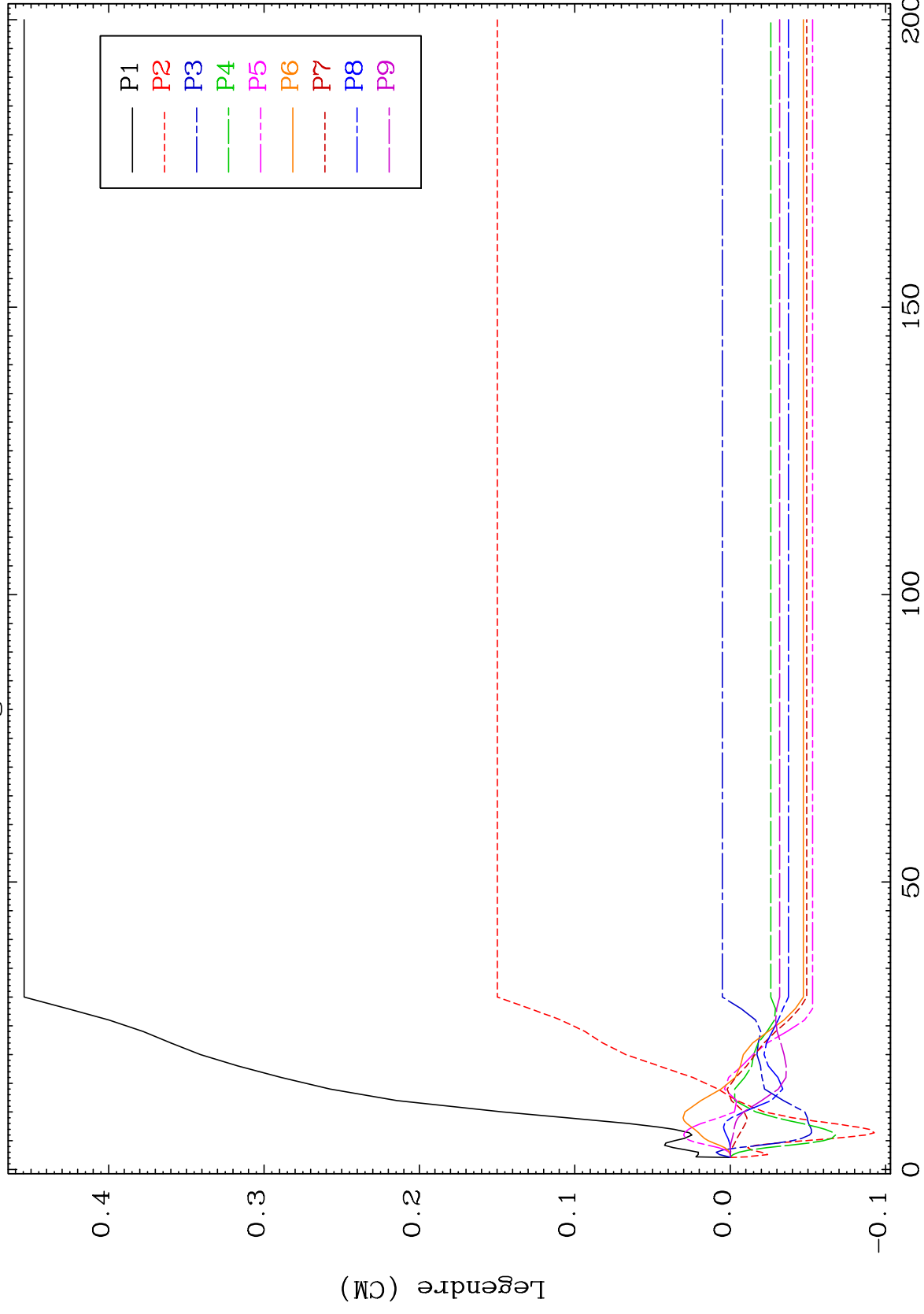
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



52

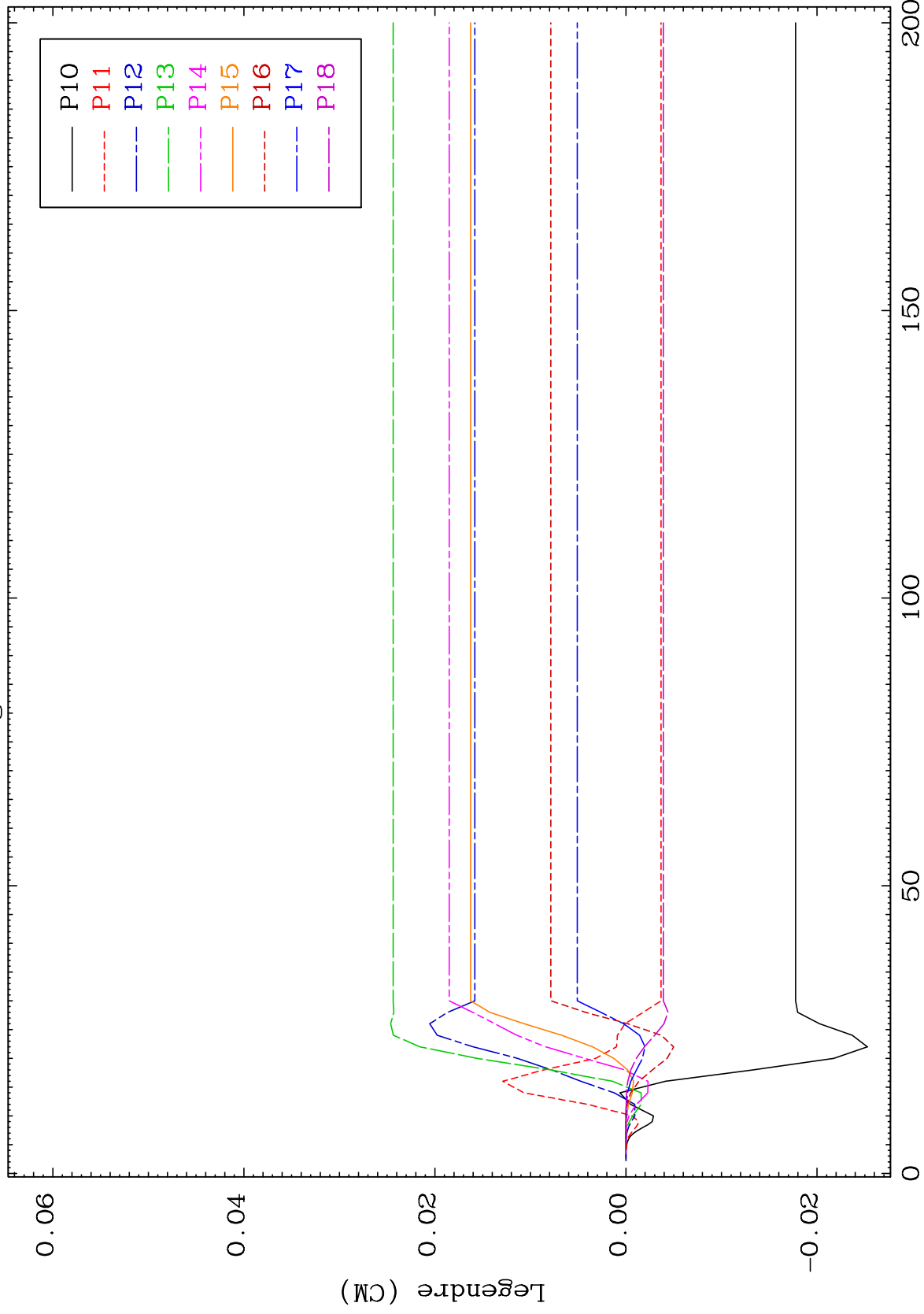
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



53

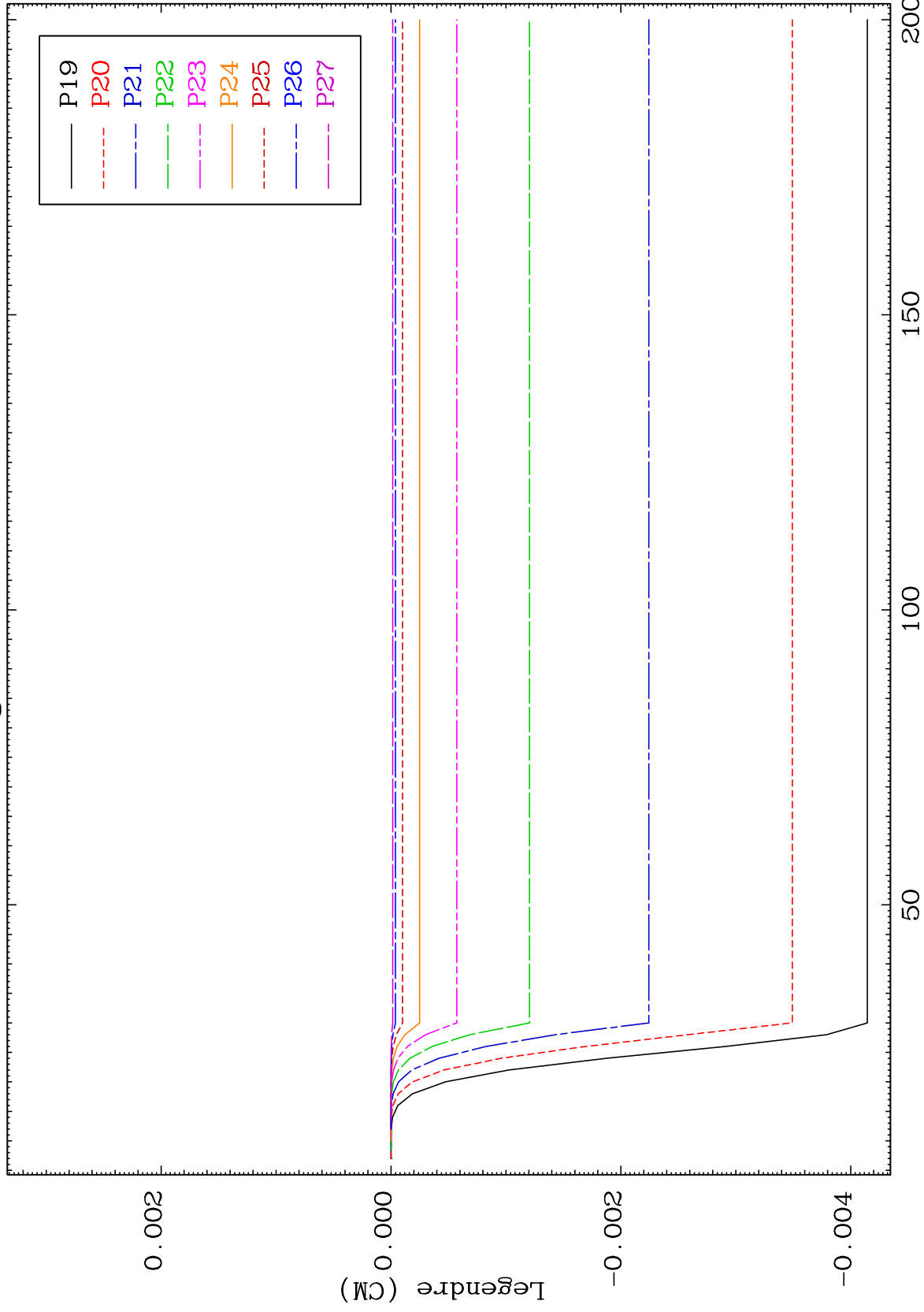
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



54

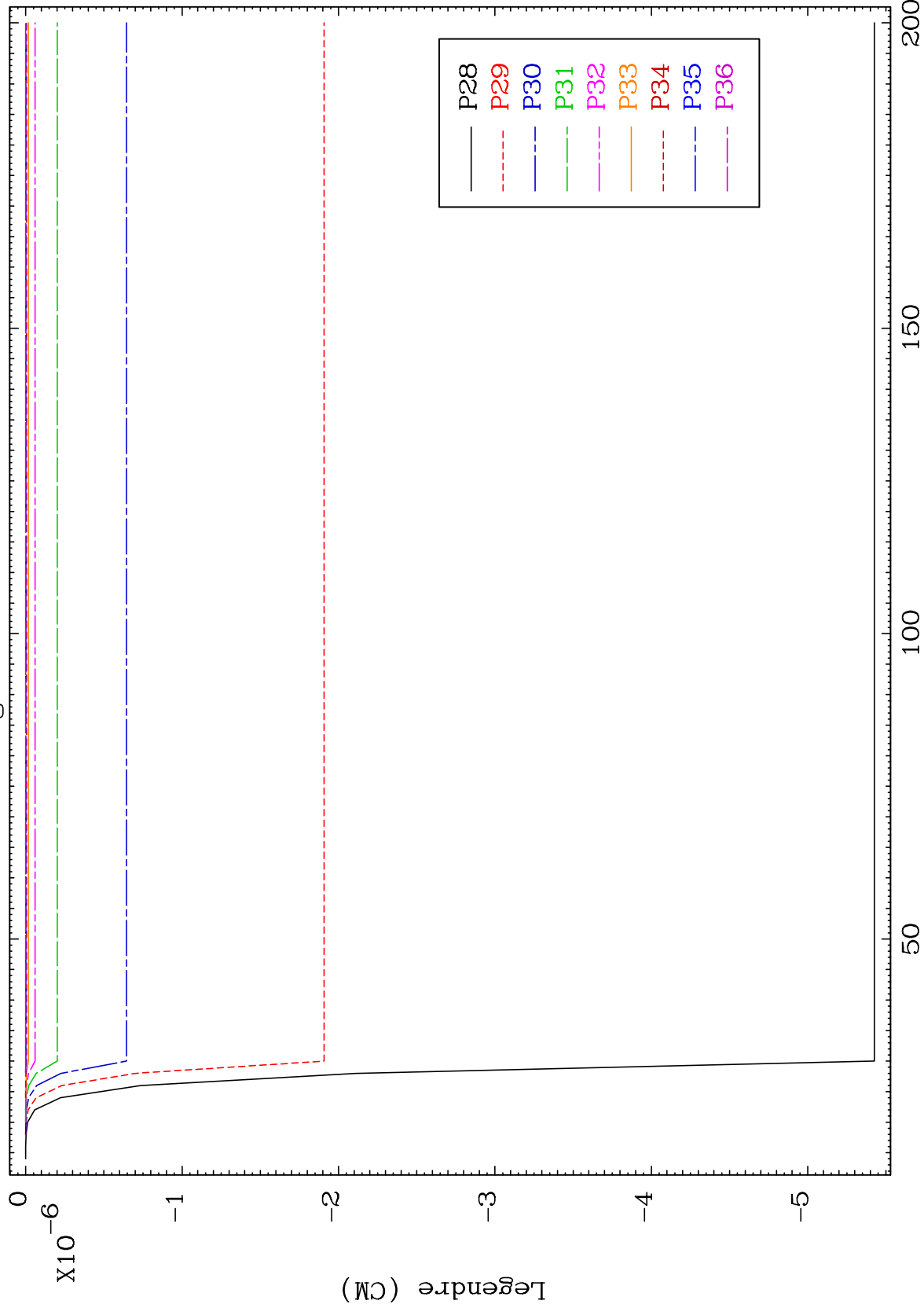
Incident Energy (MeV)

66-Dy-147

MAT 6598

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

66-Dy-147



55

Incident Energy (MeV)

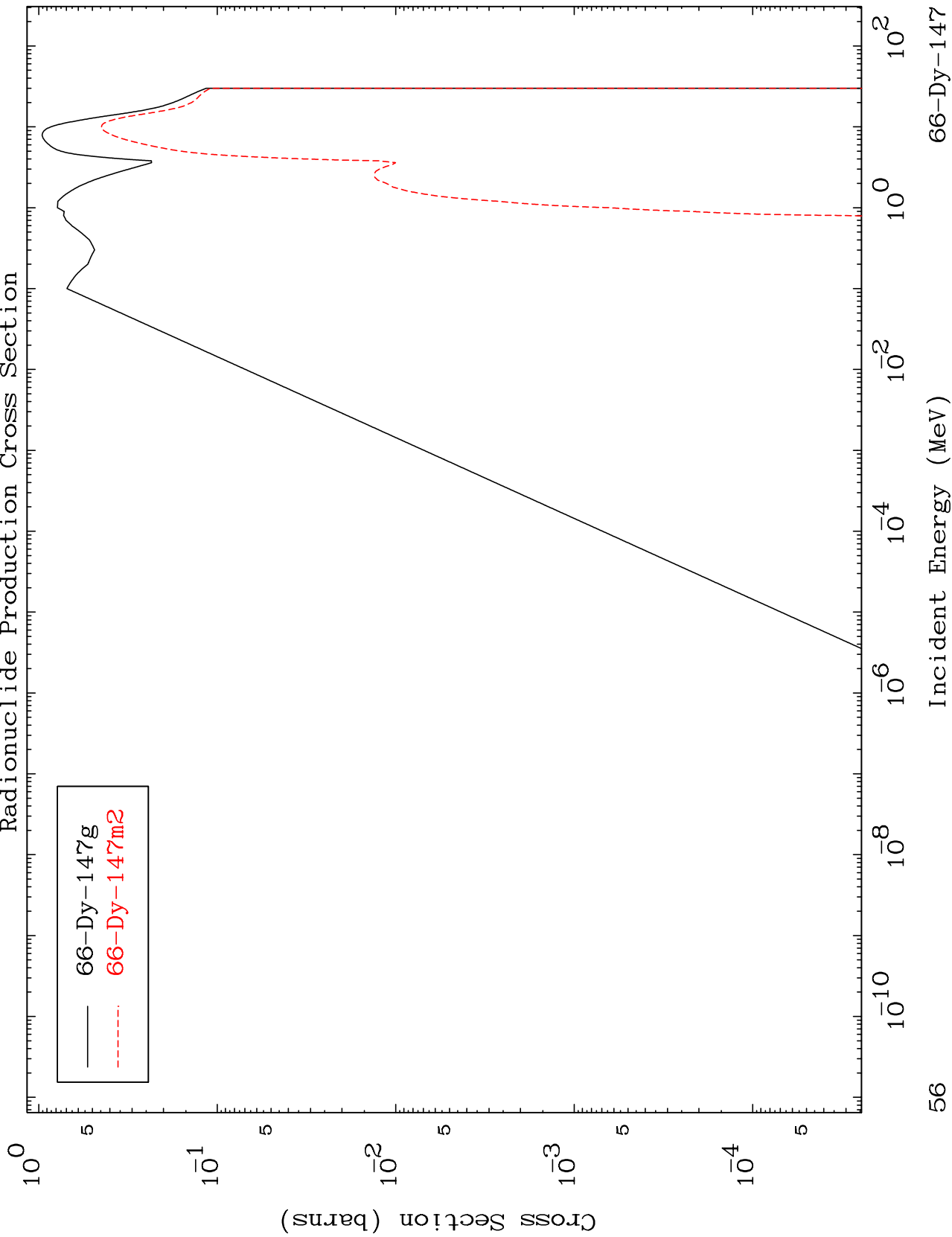
66-Dy-147



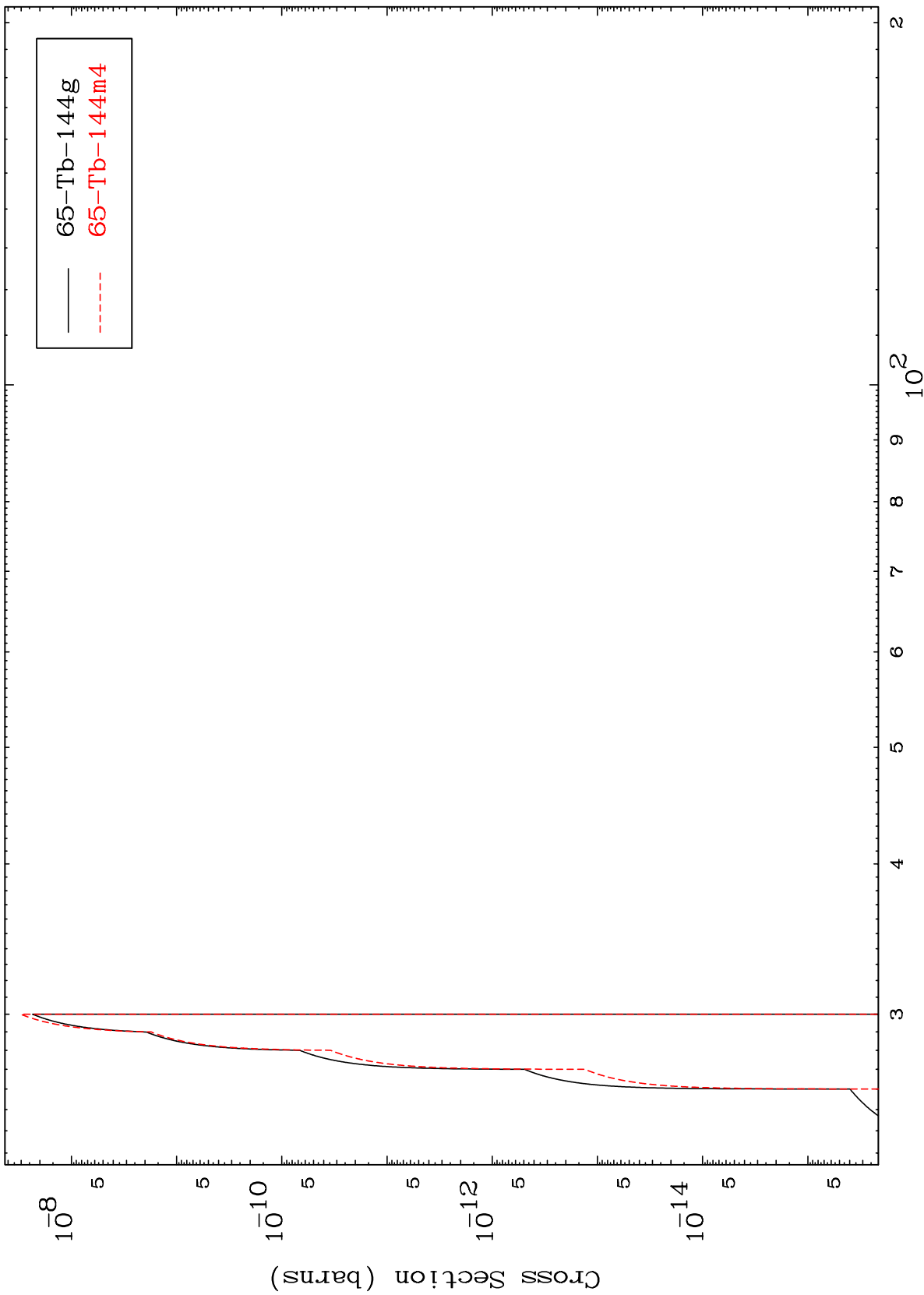
MAT 6598

Inelastic  
Radionuclide Production Cross Section

66-Dy-147

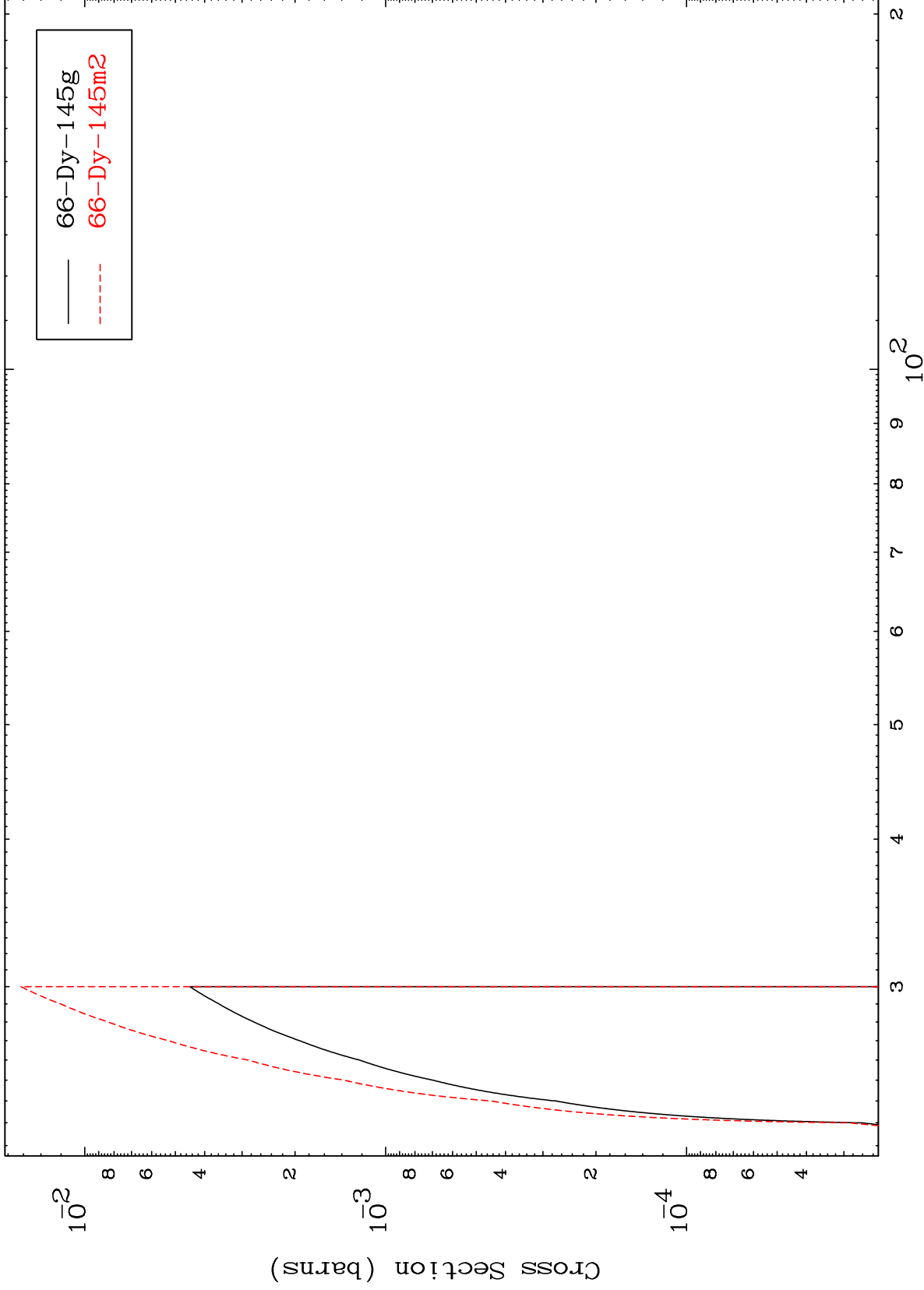


Radionuclide Production Cross Section



65-Tb-144g  
65-Tb-144m4

Radionuclide Production Cross Section

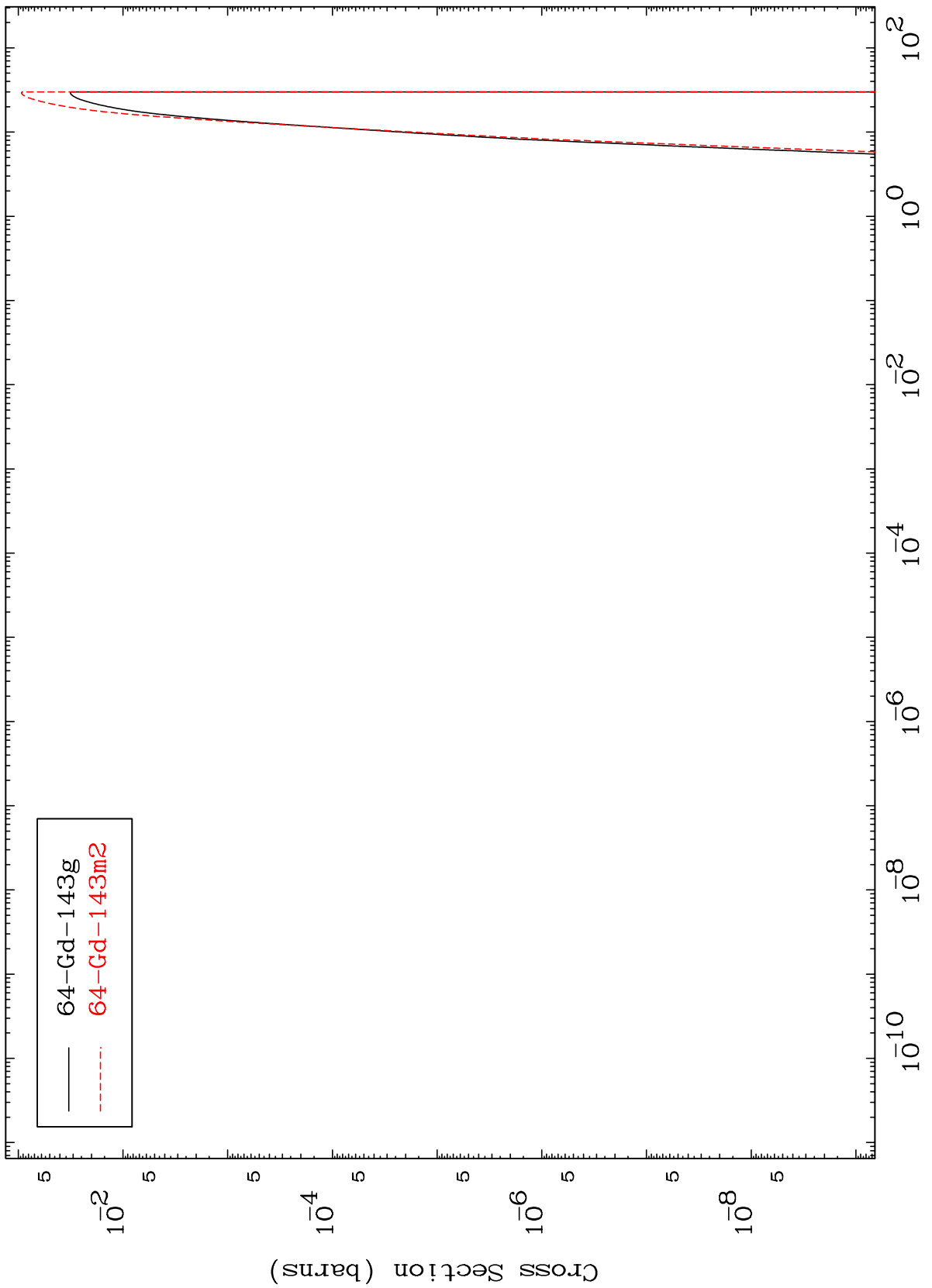


MAT 6598

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

66-Dy-147

Radionuclide Production Cross Section



59

Incident Energy (MeV)

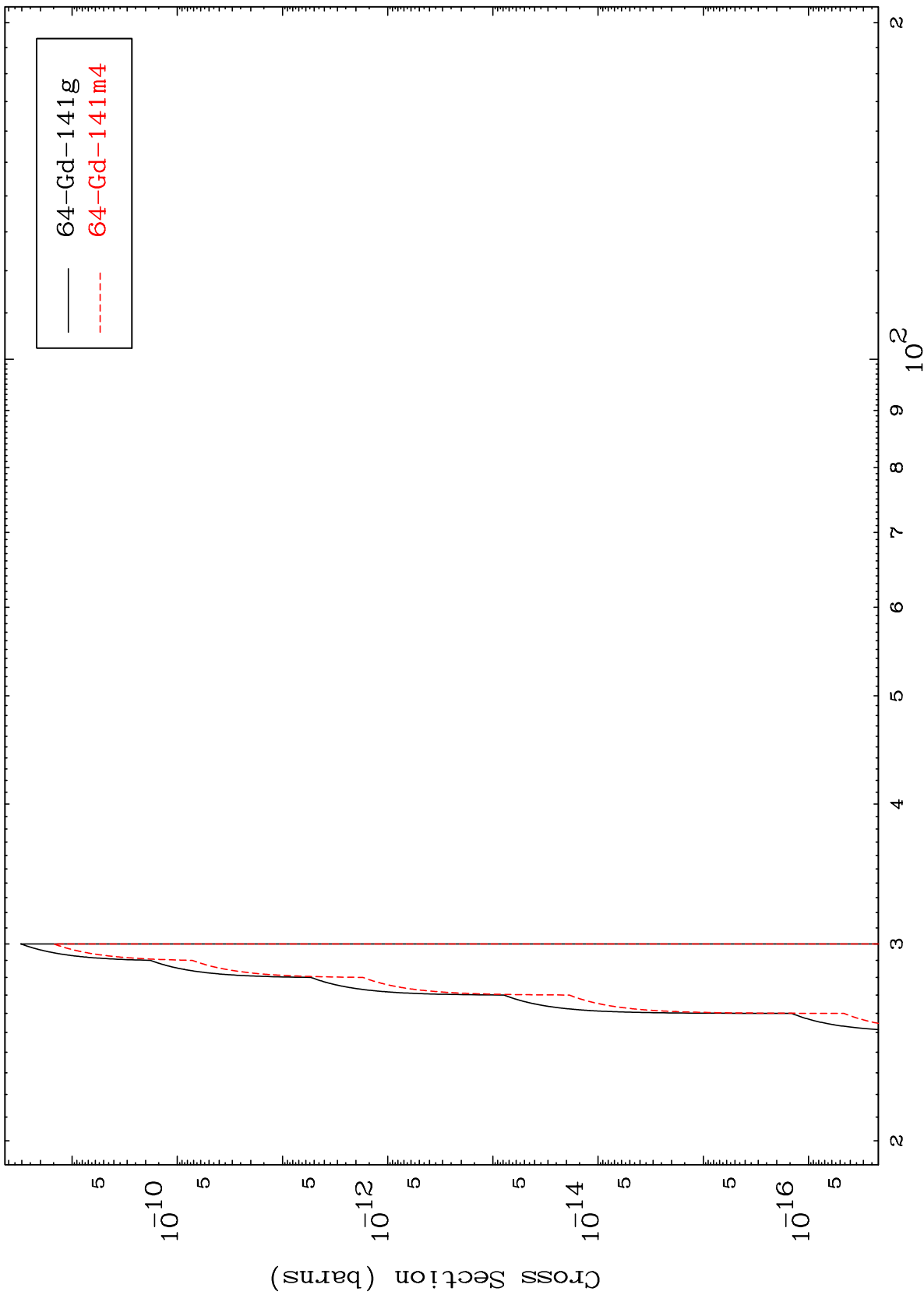
66-Dy-147

MAT 6598

(n,3n)  $\alpha$

66-Dy-147

Radionuclide Production Cross Section



60

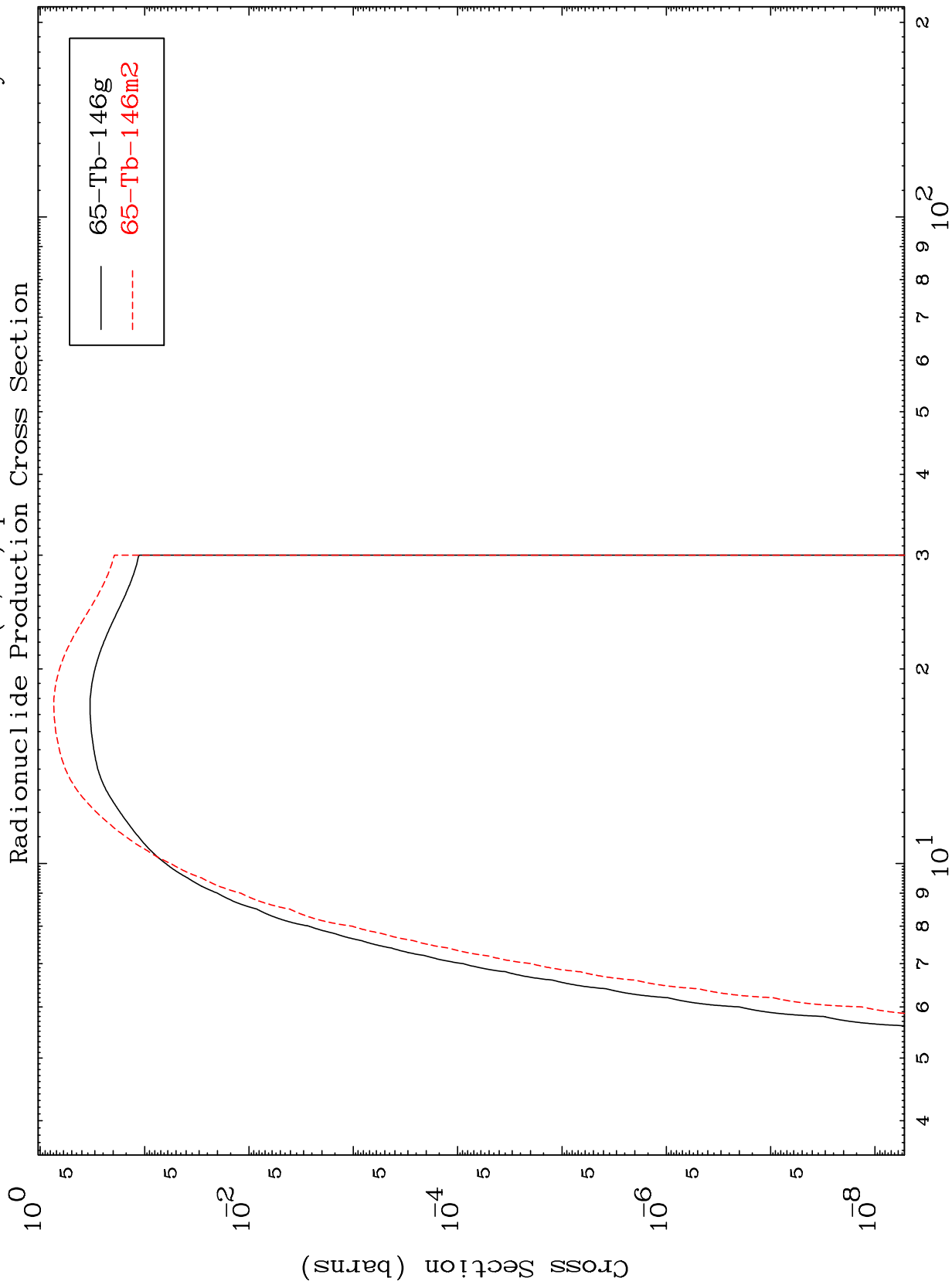
Incident Energy (MeV)

66-Dy-147

MAT 6598

(n,n') p

66-Dy-147



61

Incident Energy (MeV)

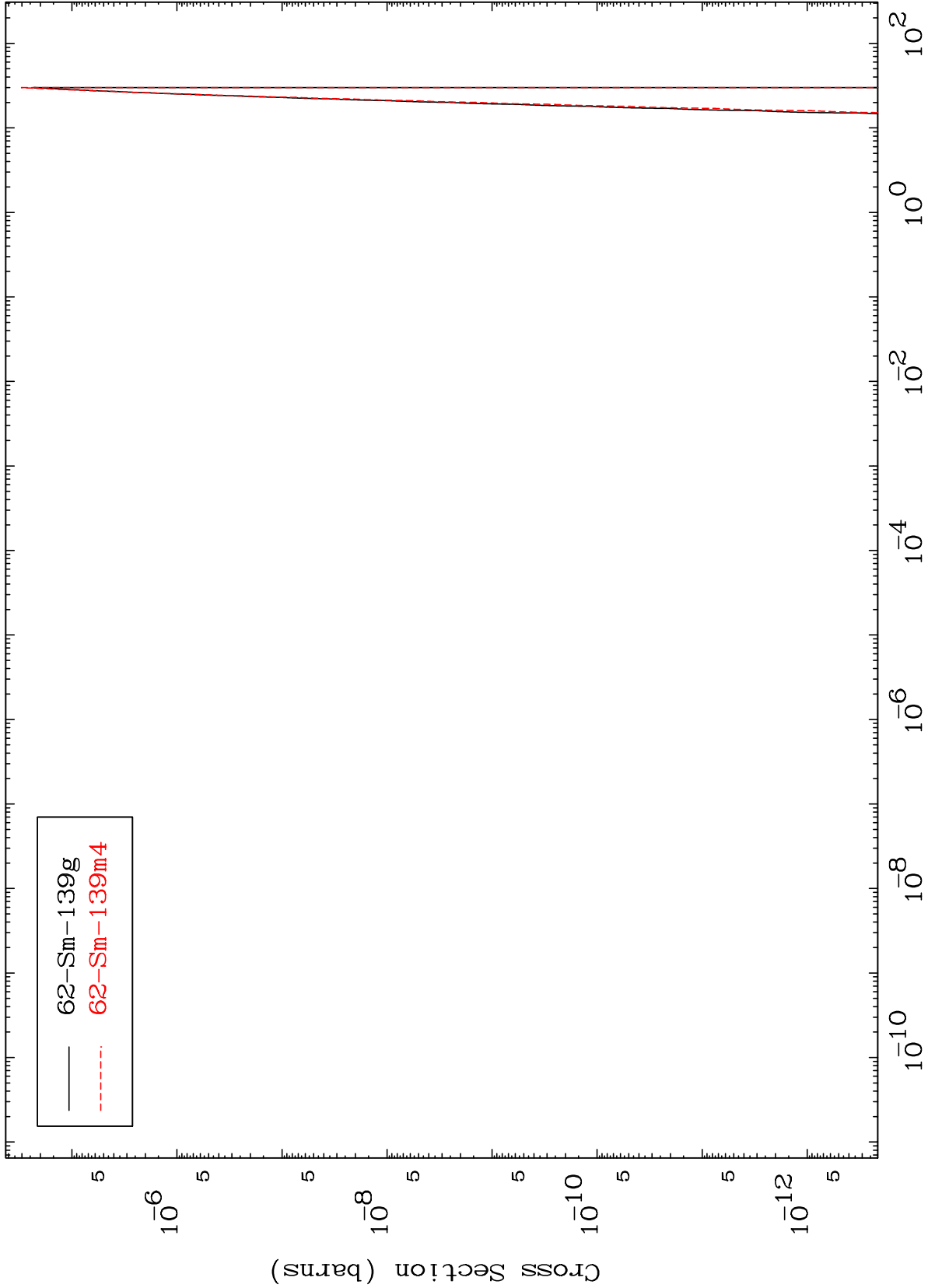
66-Dy-147

MAT 6598

(n,n') 2 $\alpha$

66-Dy-147

Radionuclide Production Cross Section

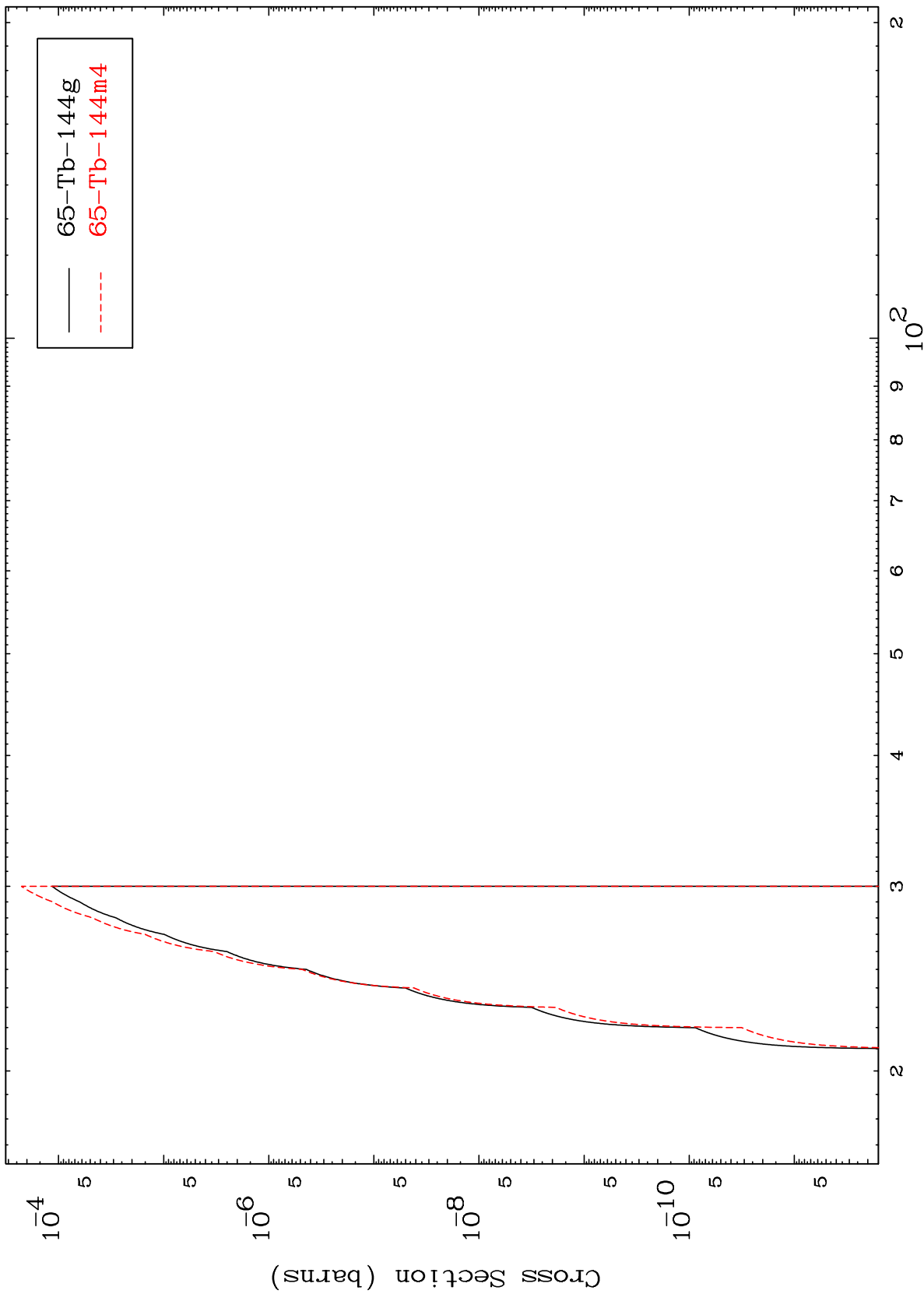


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Incident Energy (MeV)

66-Dy-147

Radionuclide Production Cross Section



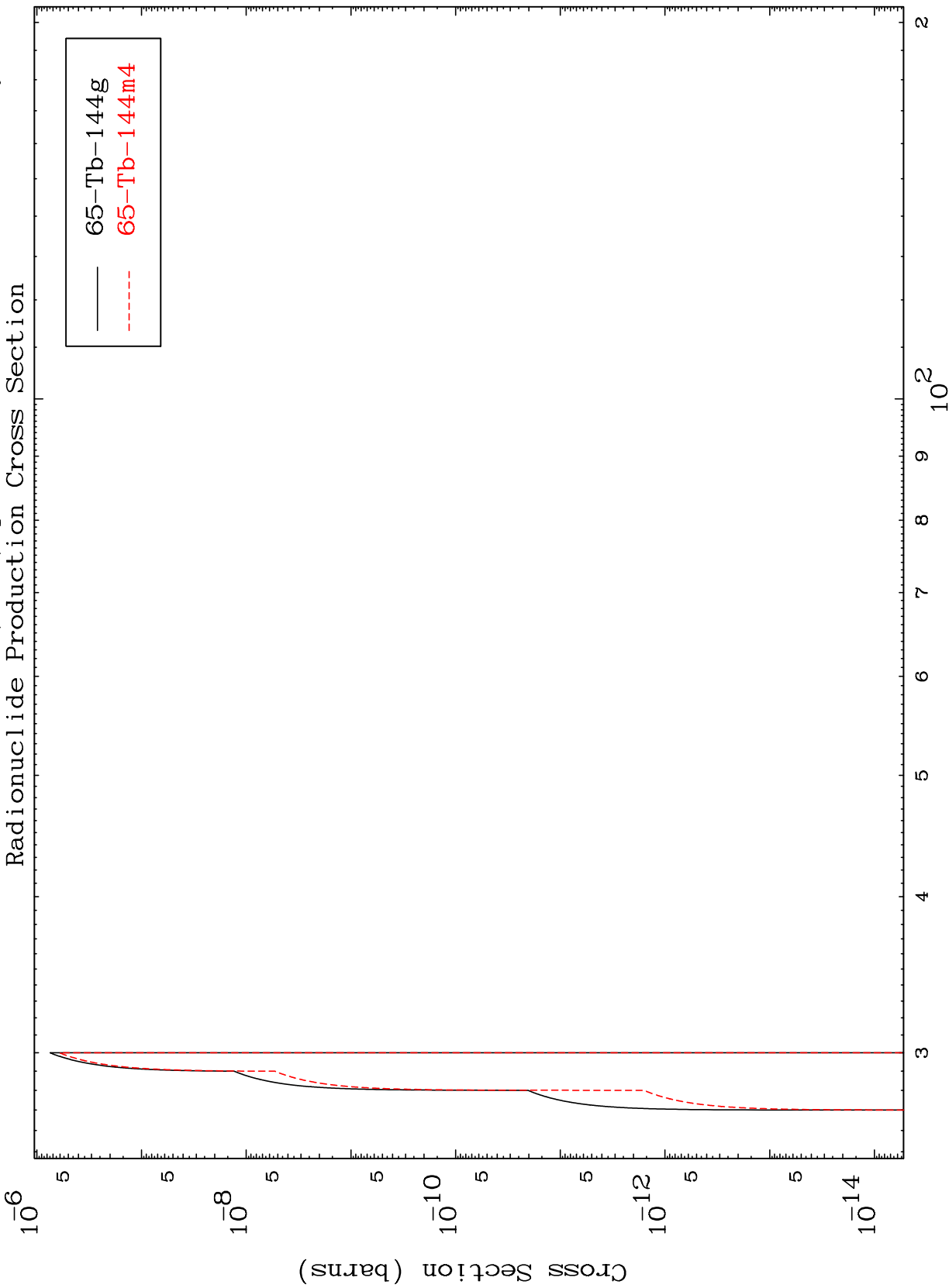
65-Tb-144g  
65-Tb-144m4



MAT 6598

(n,3n) p

66-Dy-147



64

Incident Energy (MeV)

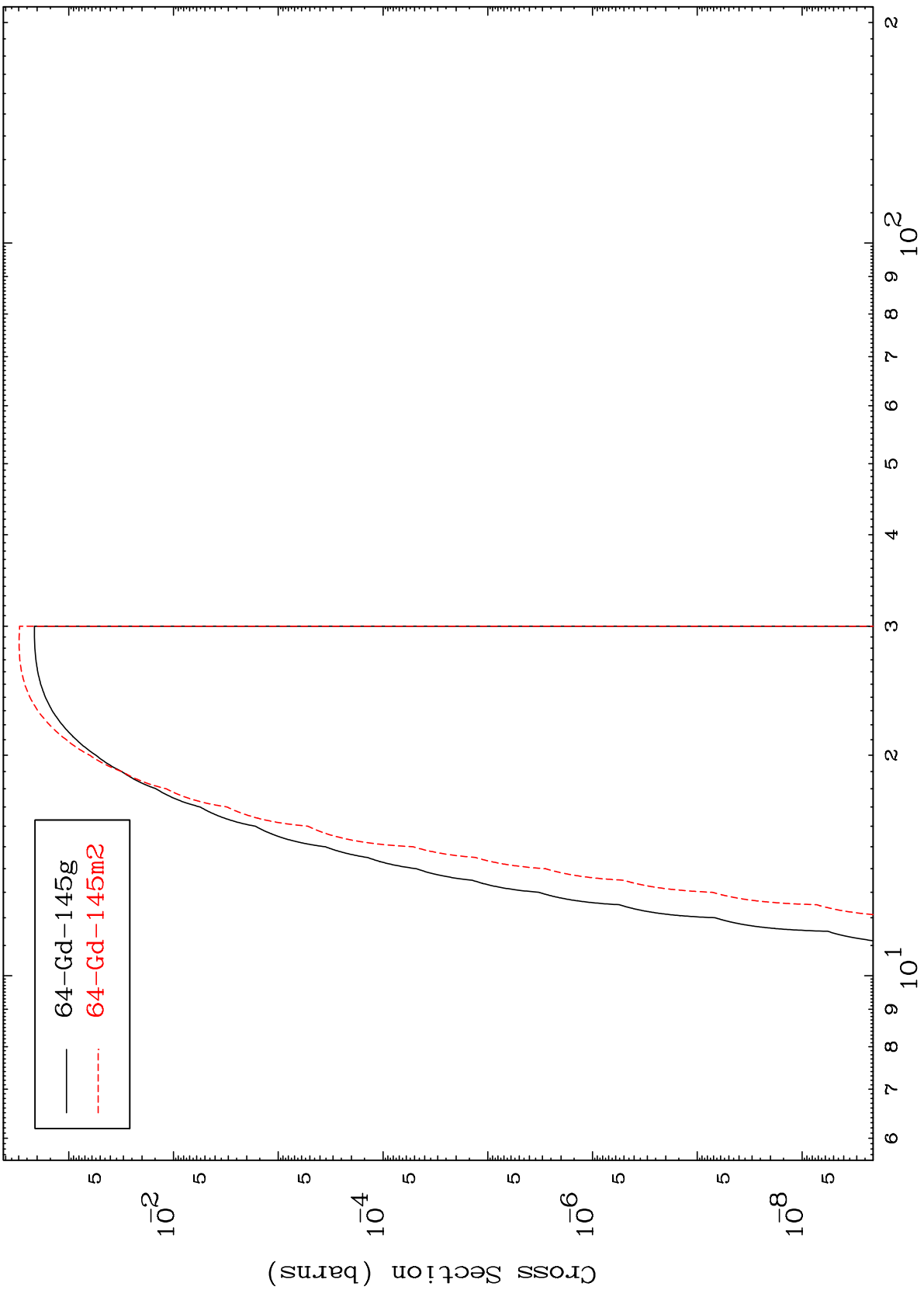
66-Dy-147

MAT 6598

(n,2n) p

66-Dy-147

Radionuclide Production Cross Section



66

Incident Energy (MeV)

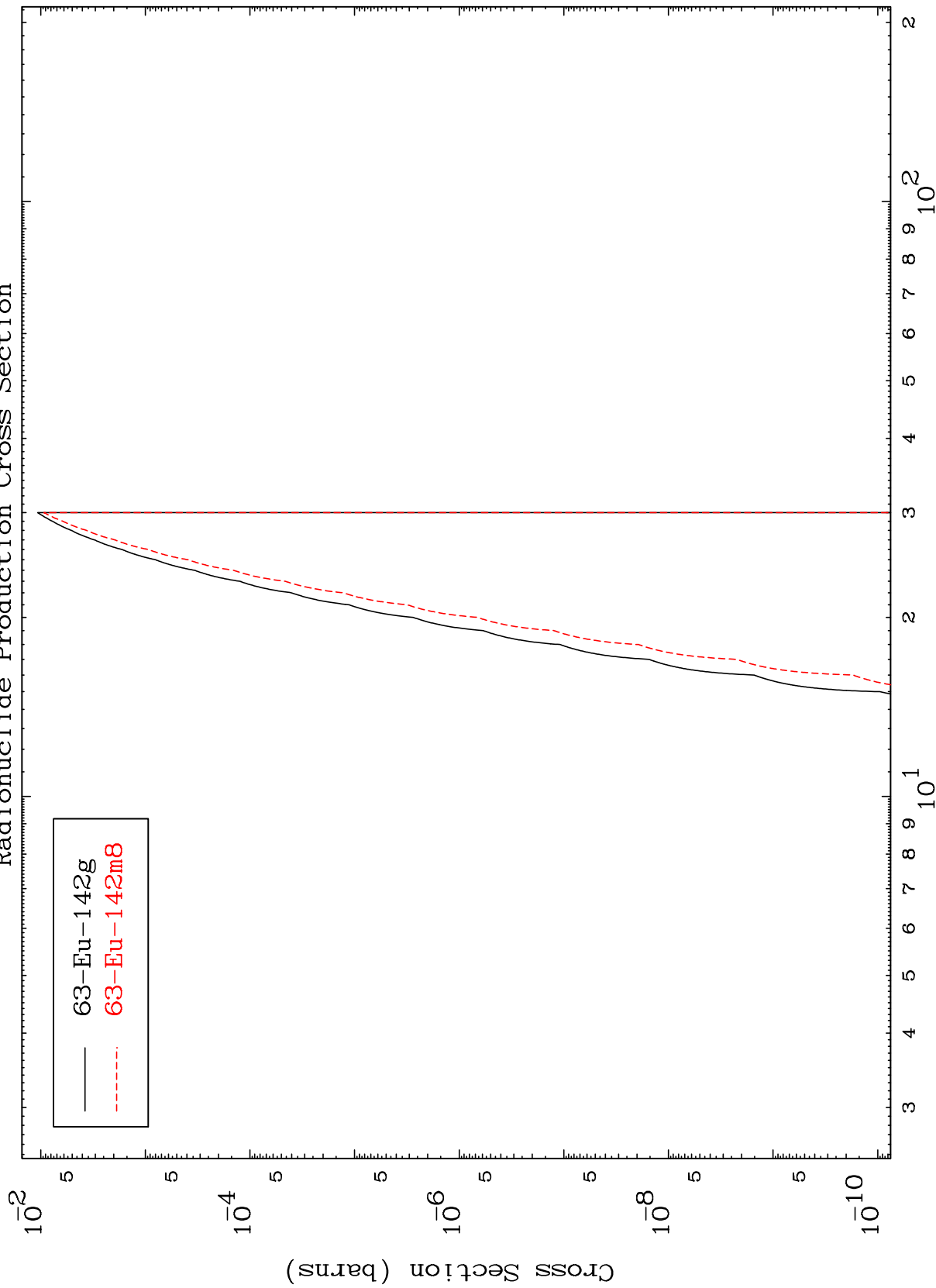
66-Dy-147

MAT 6598

(n,n') p  $\alpha$

66-Dy-147

Radionuclide Production Cross Section



63-Eu-142g  
63-Eu-142m8

66

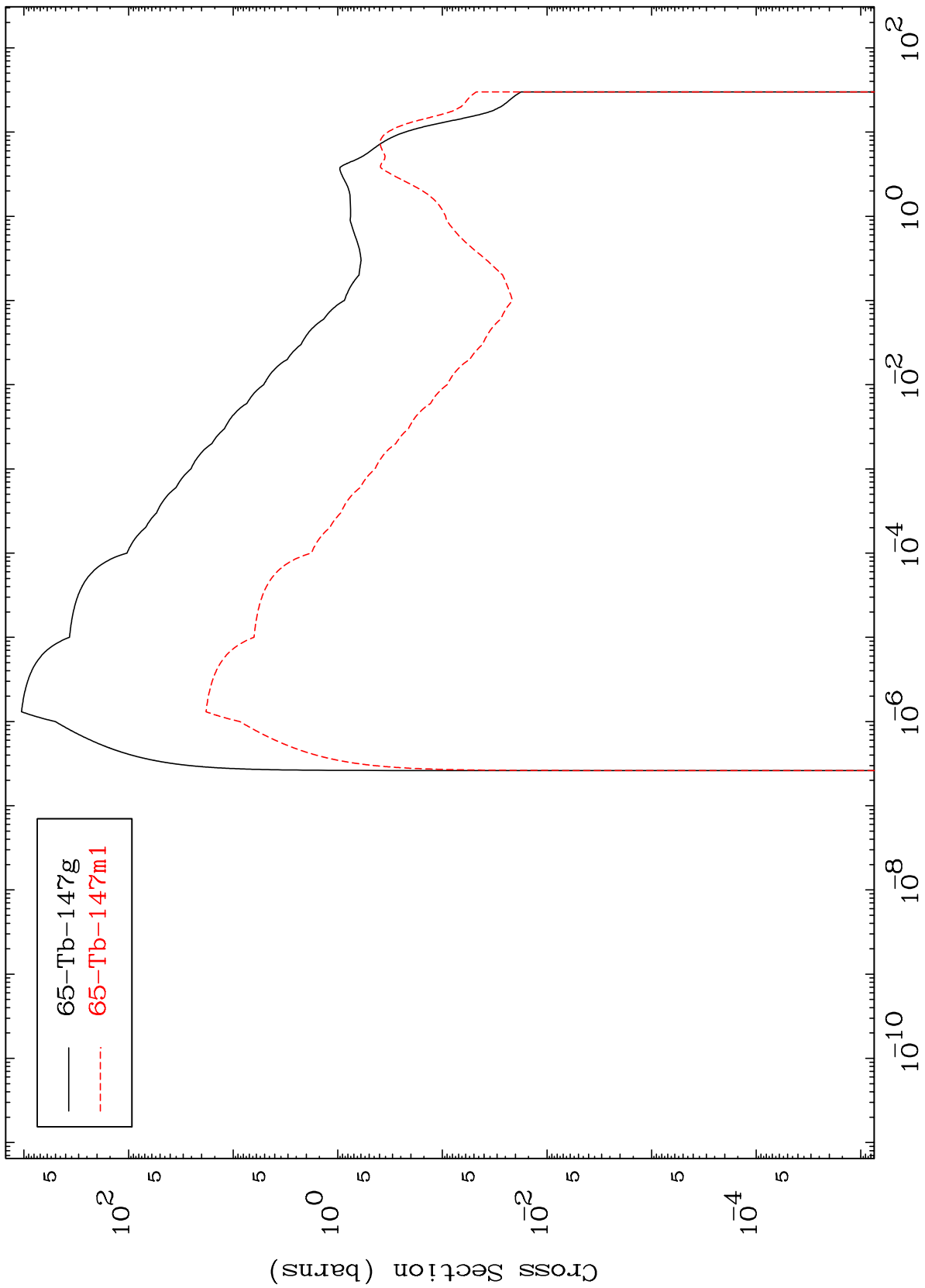
Incident Energy (MeV)

66-Dy-147

MAT 6598

66-Dy-147

(n,p)  
Radionuclide Production Cross Section



67

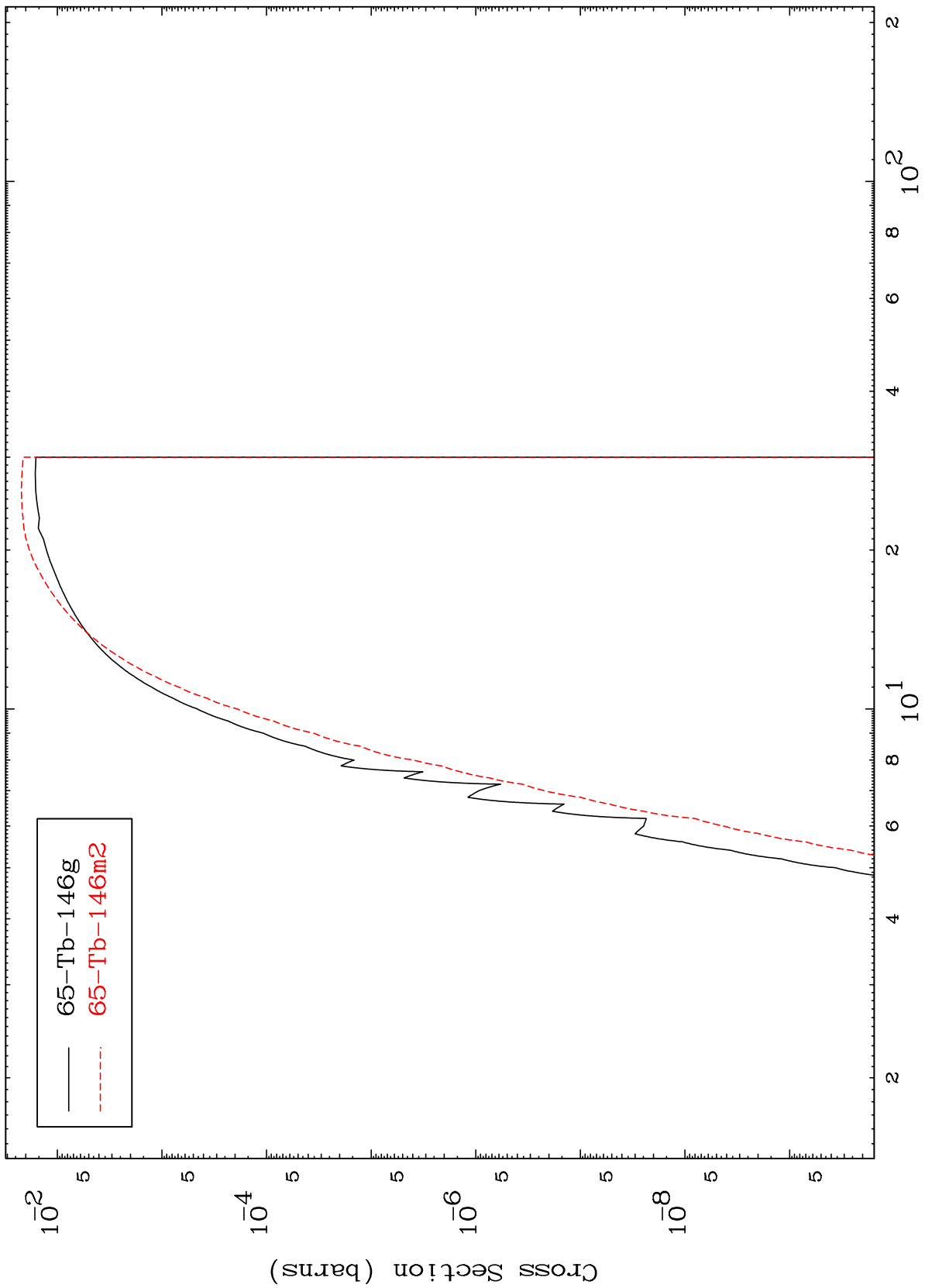
66-Dy-147

Incident Energy (MeV)

MAT 6598

66-Dy-147

(n,d)  
Radionuclide Production Cross Section



68

66-Dy-147

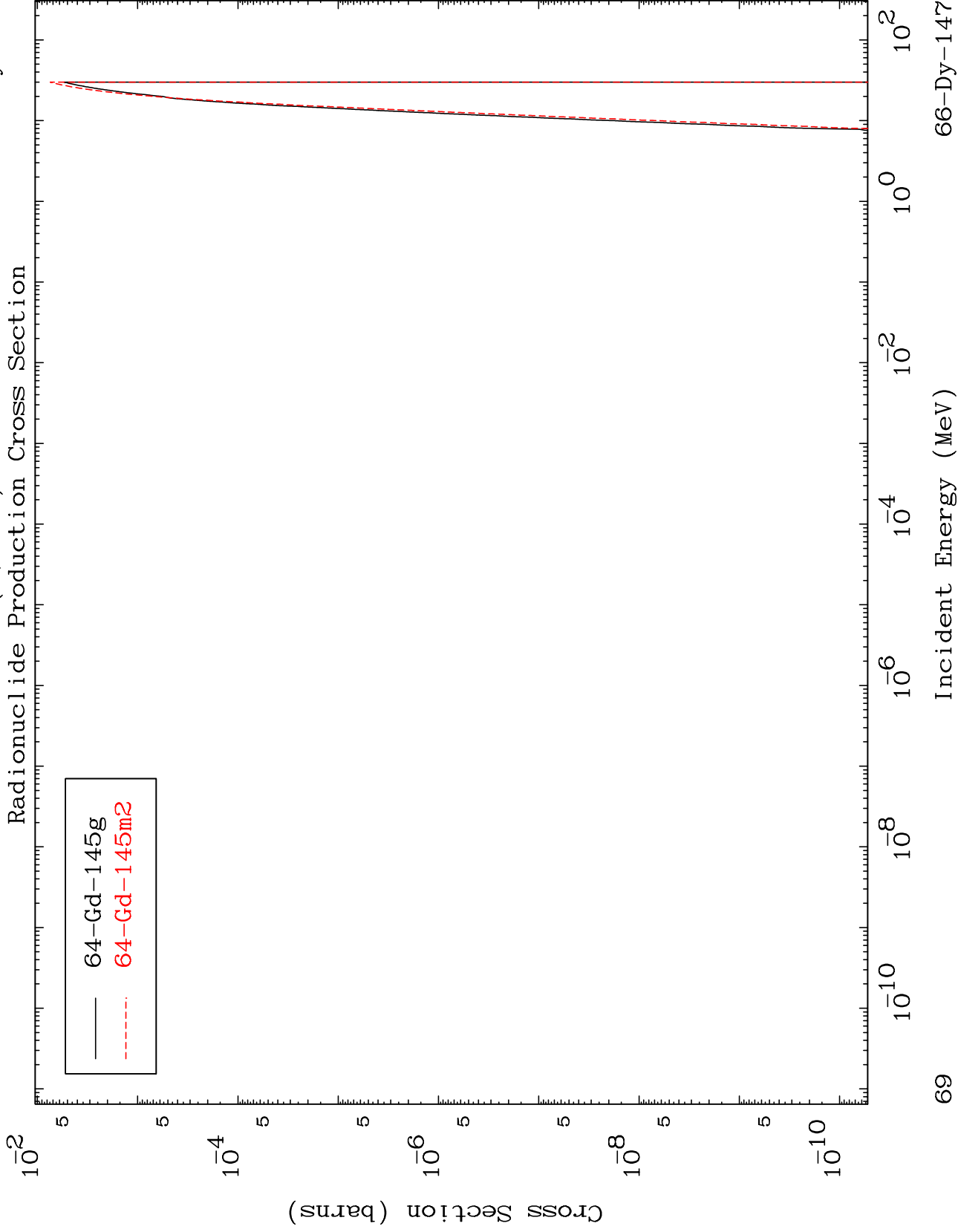
Incident Energy (MeV)

MAT 6598

(n,He-3)

66-Dy-147

Radionuclide Production Cross Section



69

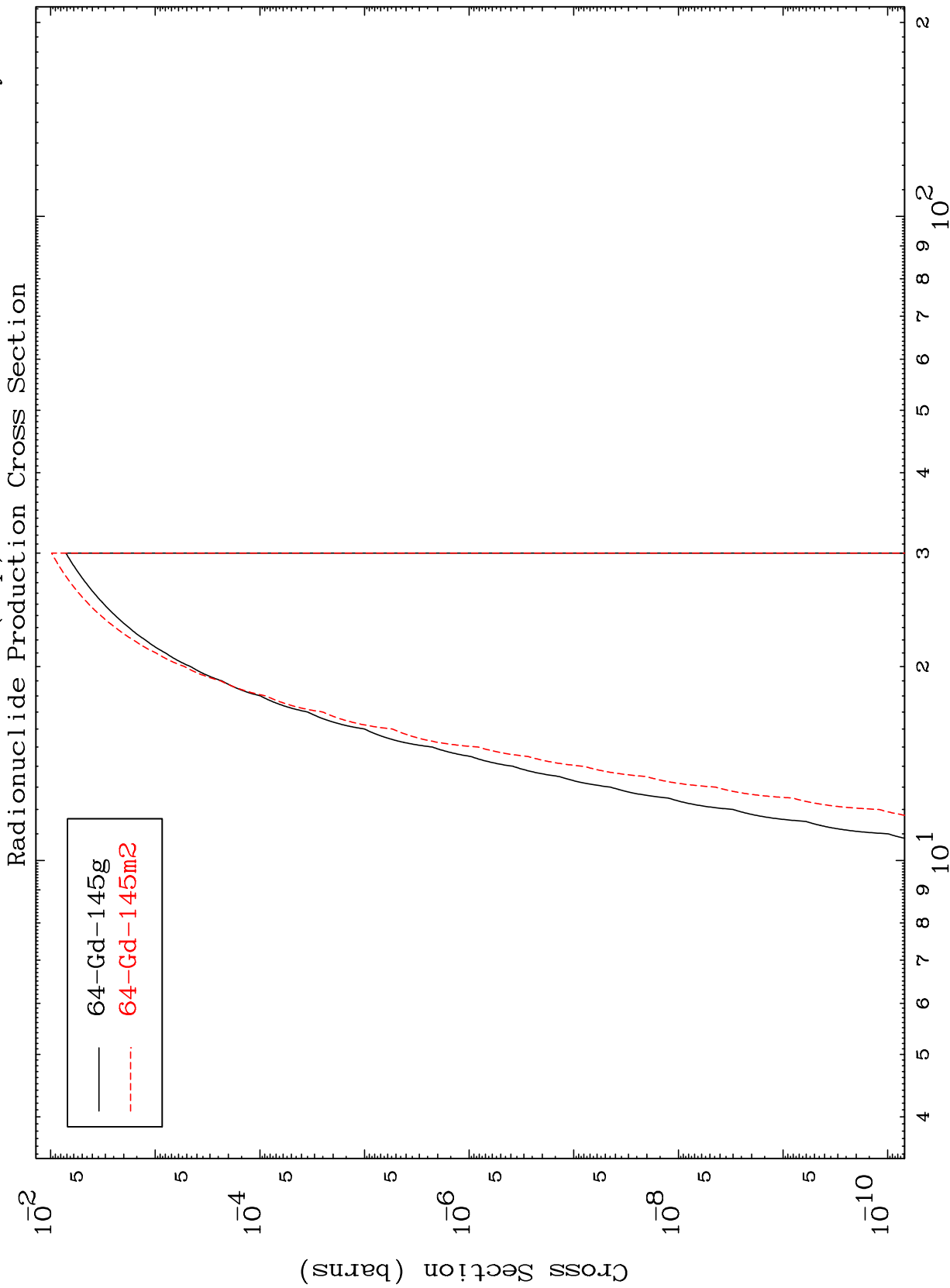
Incident Energy (MeV)

66-Dy-147

MAT 6598

(n,p) d

66-Dy-147

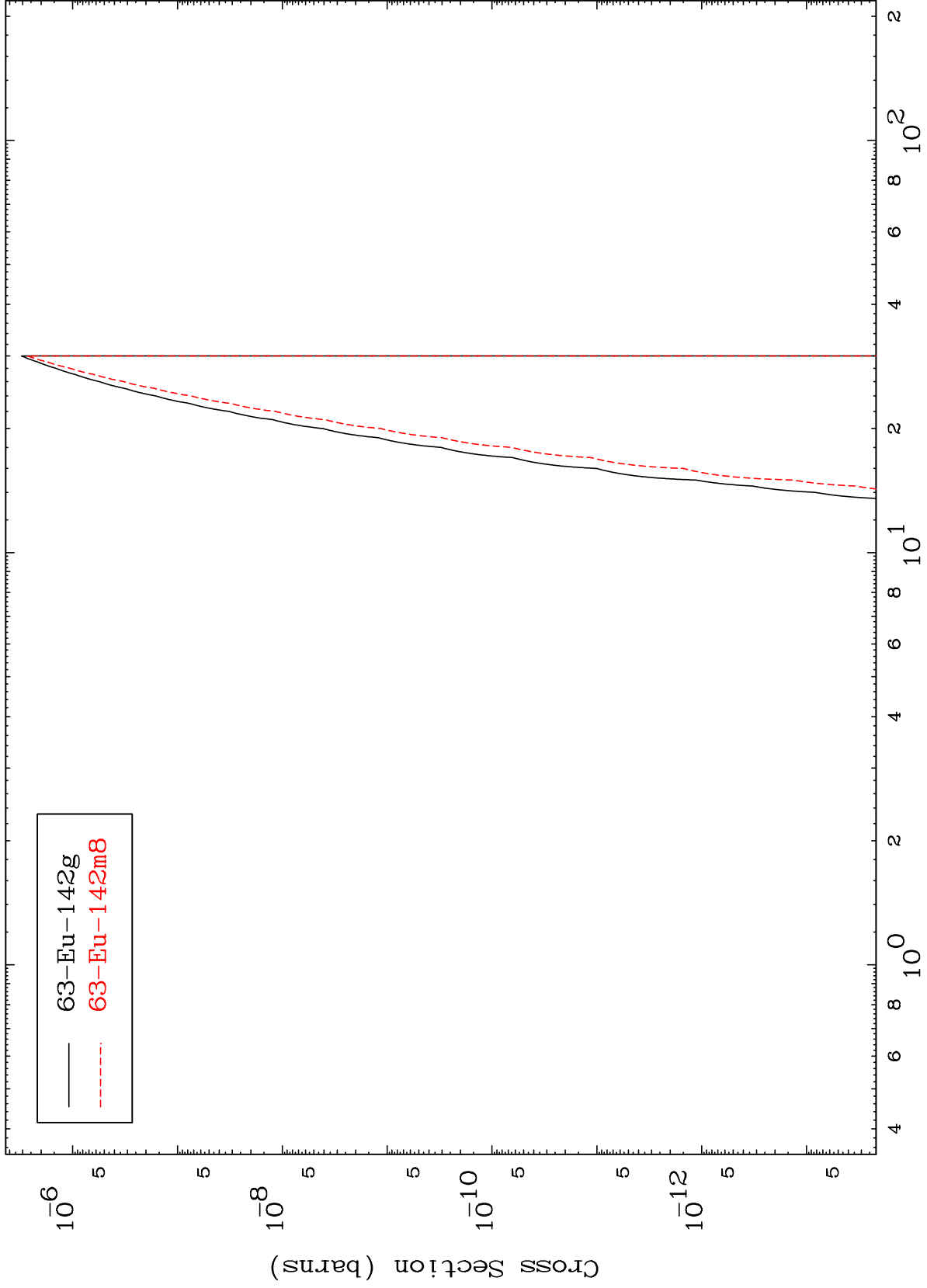


MAT 6598

(n,d)  $\alpha$

66-Dy-147

Radionuclide Production Cross Section



63-Eu-142g  
63-Eu-142m8

71

Incident Energy (MeV)

66-Dy-147