

Program EVALPLOT  
(Version 2017-1)

by

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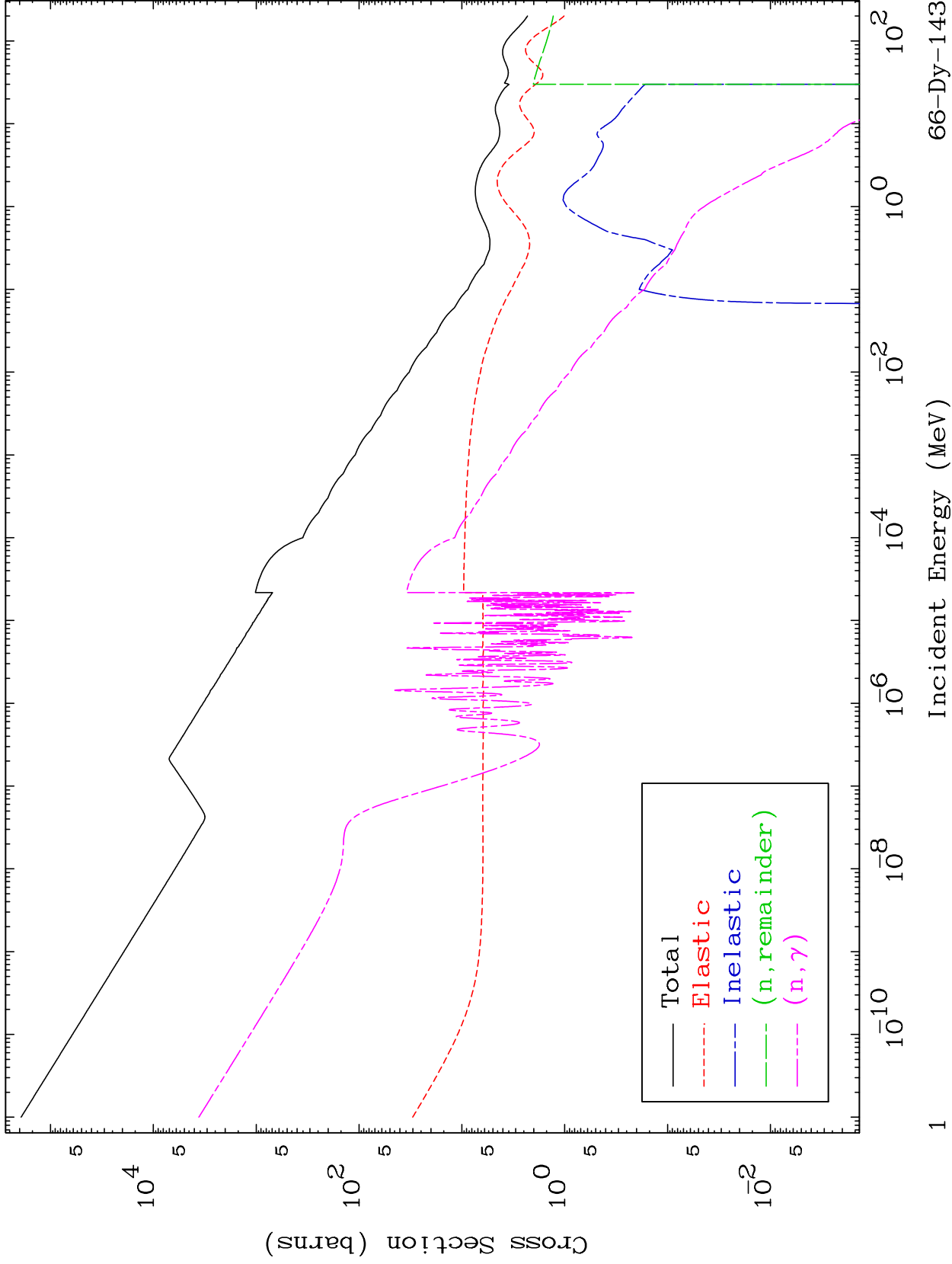
Press Mouse Button to Start

MAT 6586

Major

293 Kelvin Cross Sections

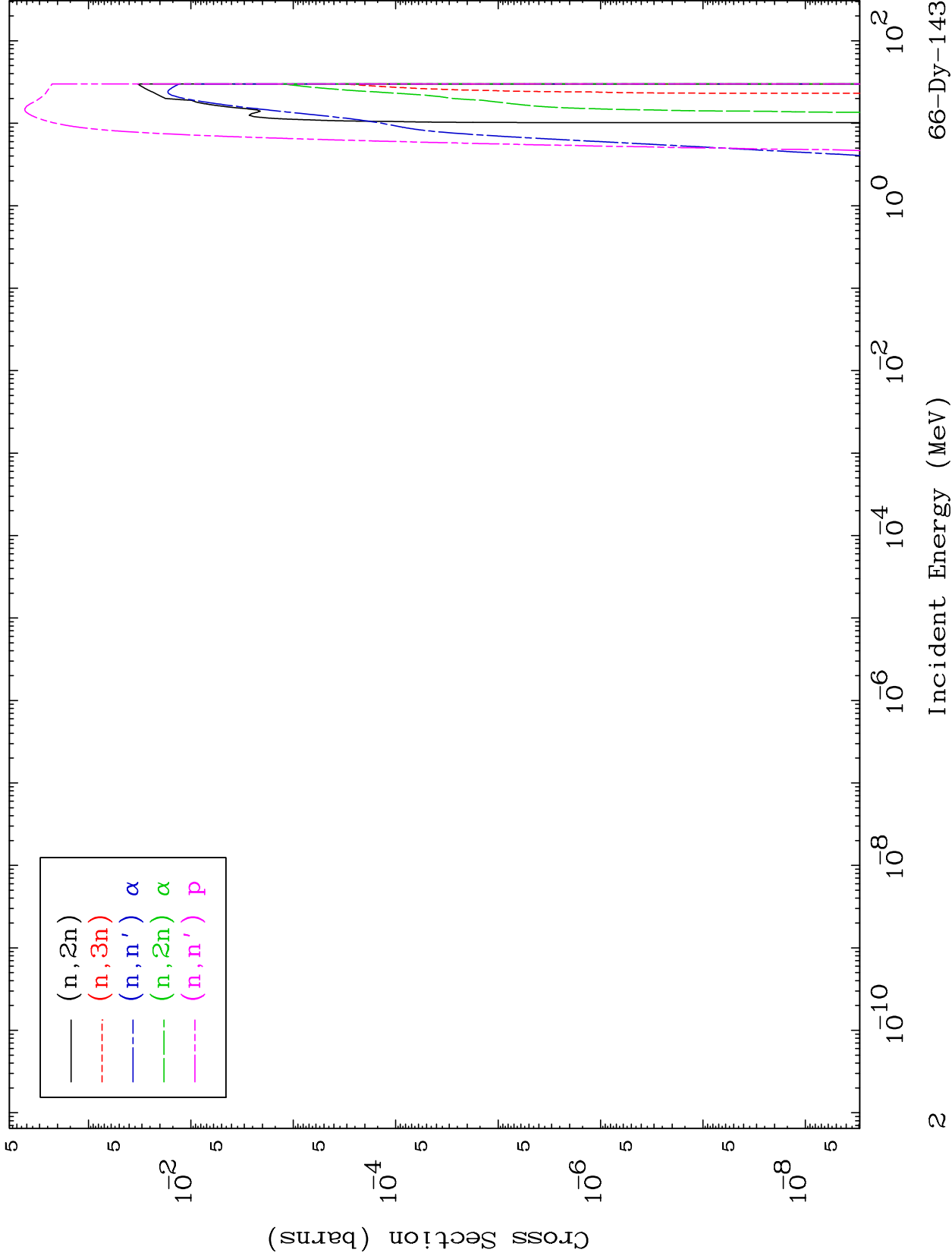
66-Dy-143



MAT 6586

Neutron Production  
293 Kelvin Cross Sections

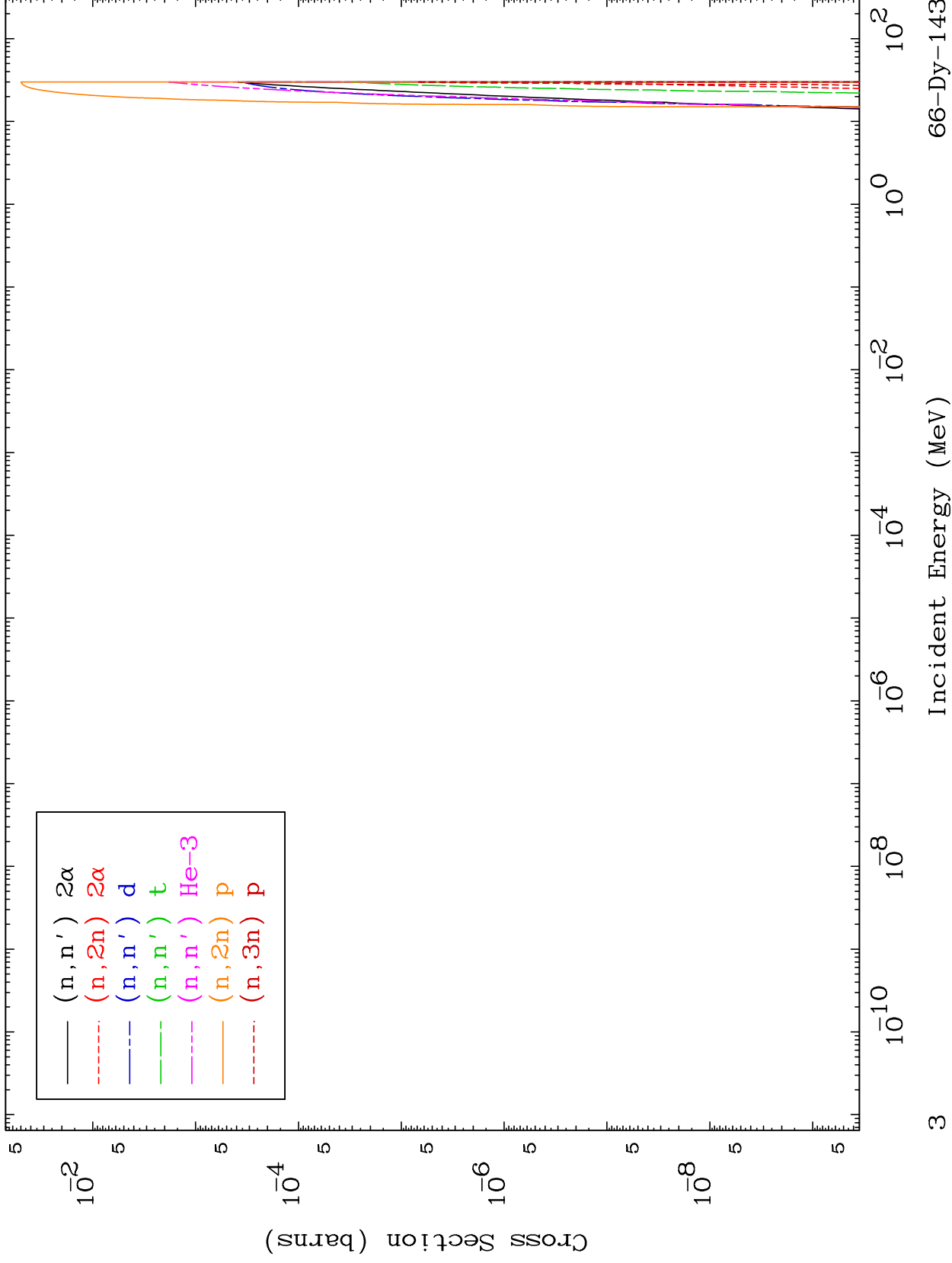
66-Dy-143



MAT 6586

Neutron Production  
293 Kelvin Cross Sections

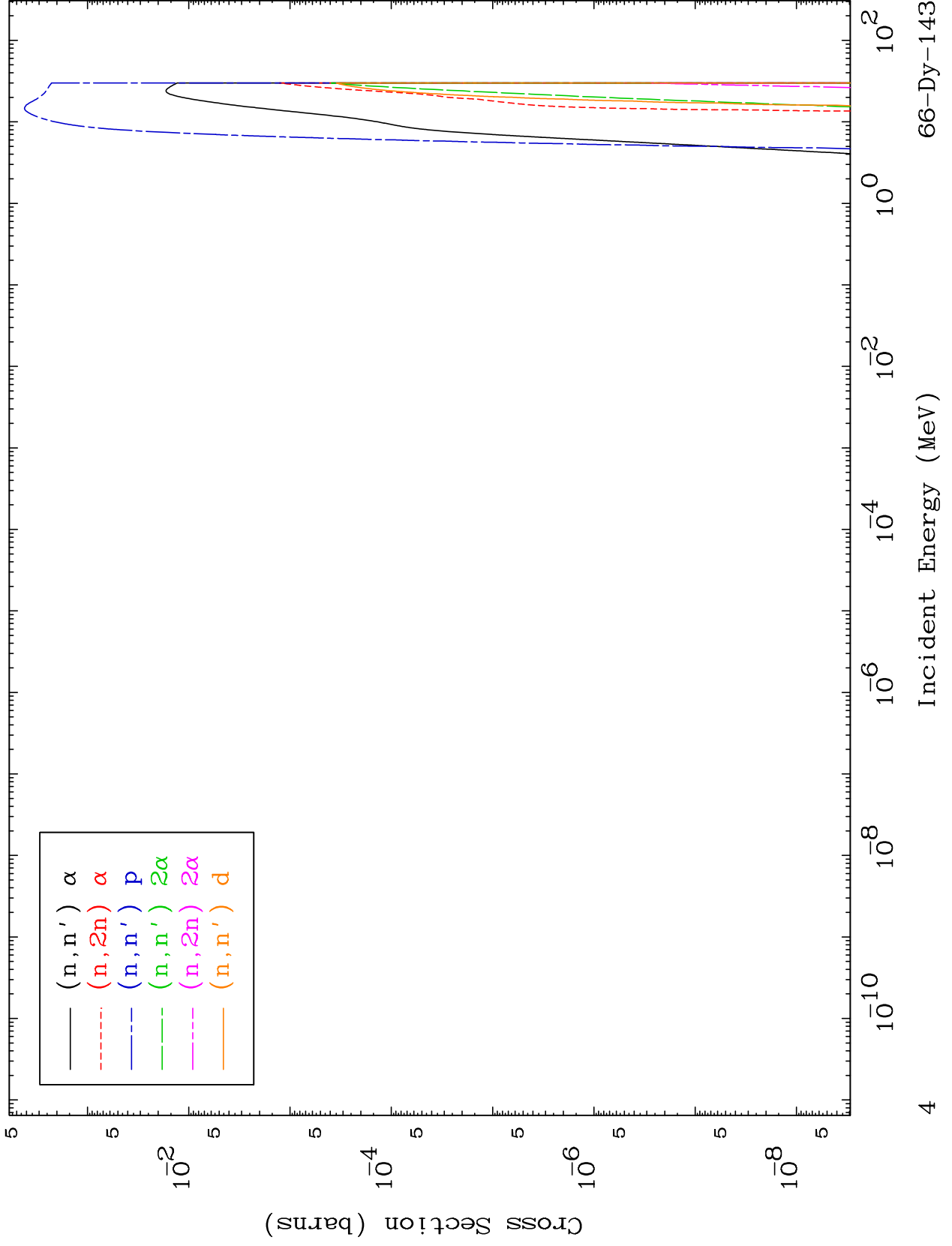
66-Dy-143



MAT 6586

Charged Particle  
293 Kelvin Cross Sections

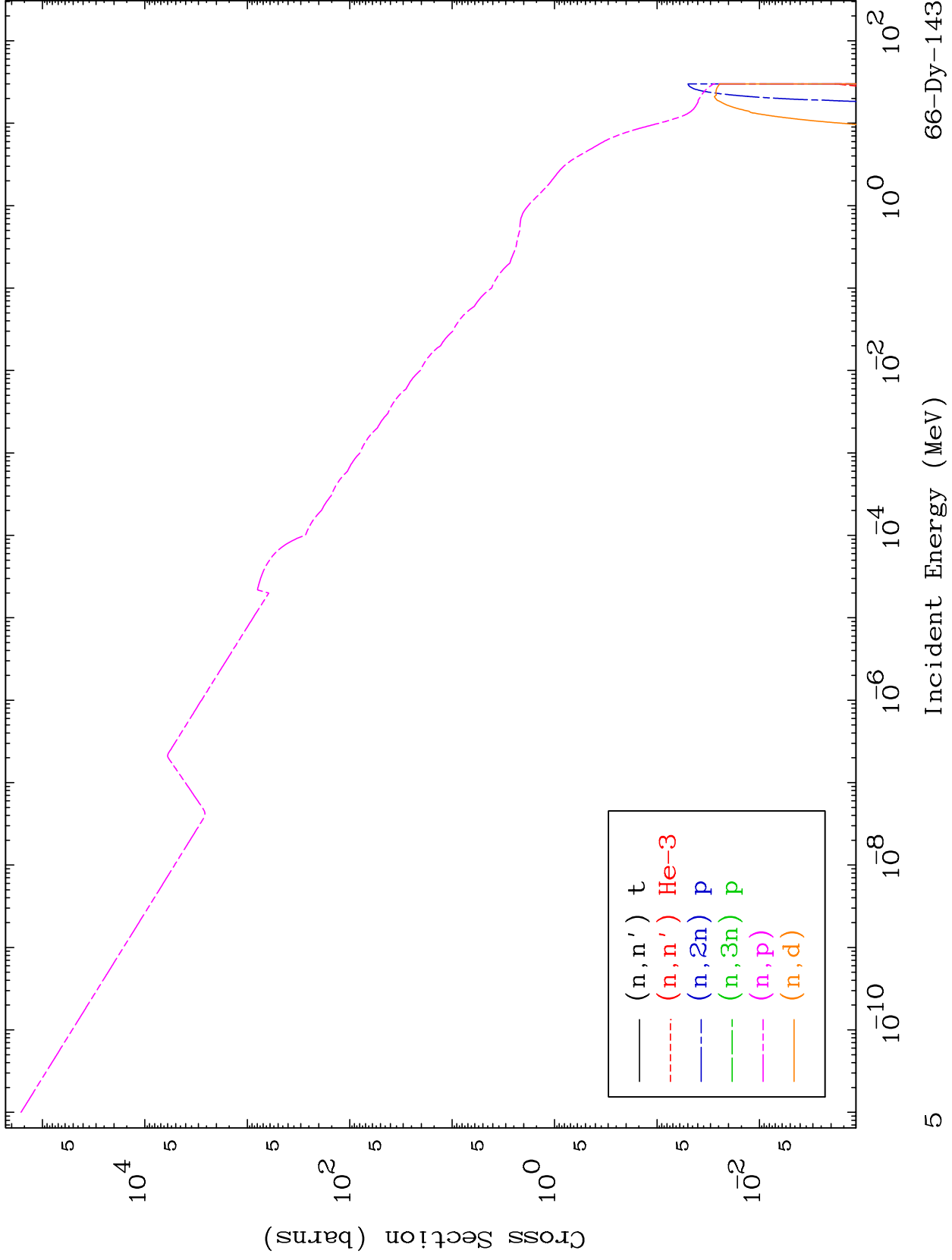
66-Dy-143



MAT 6586

Charged Particle  
293 Kelvin Cross Sections

66-Dy-143

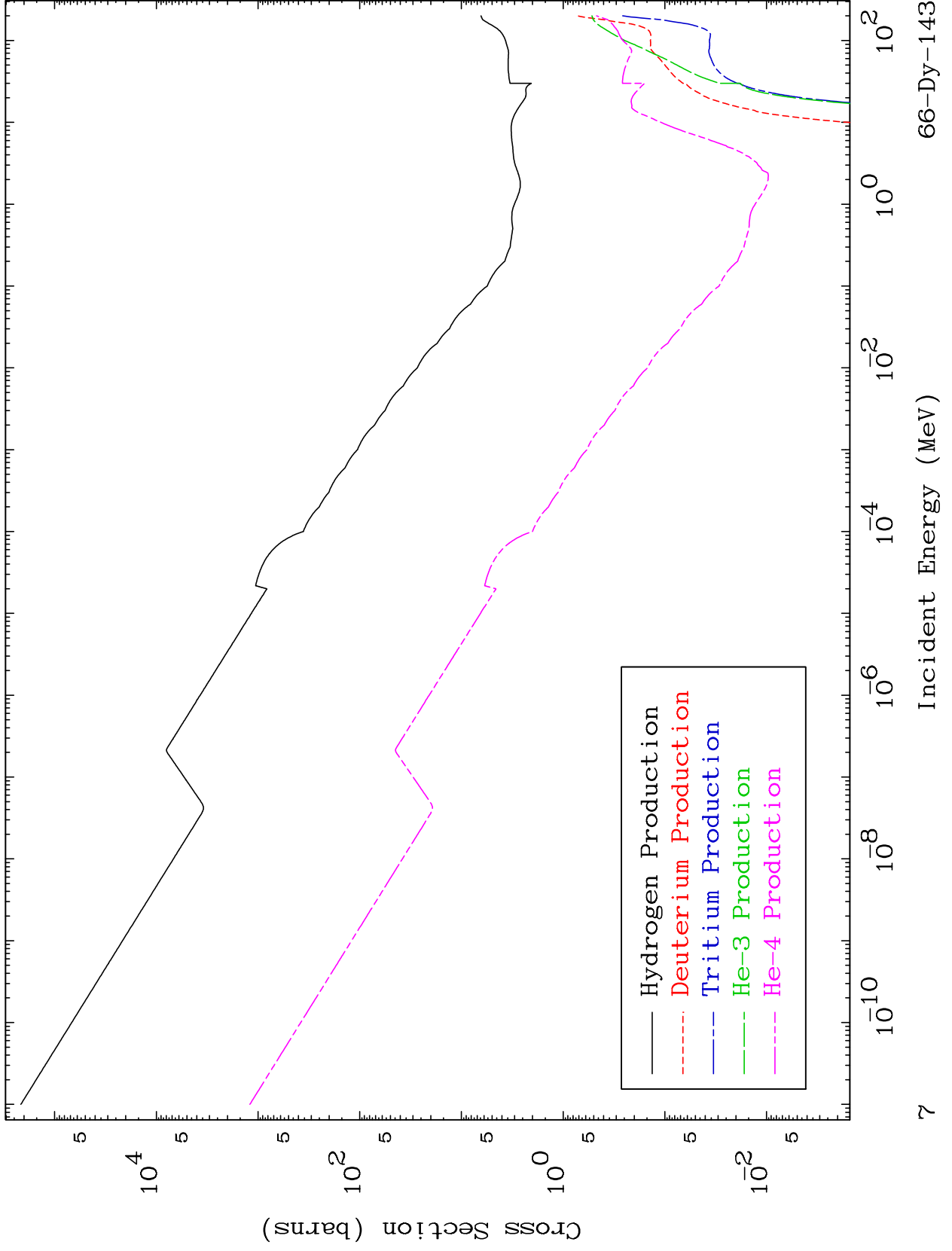




MAT 6586

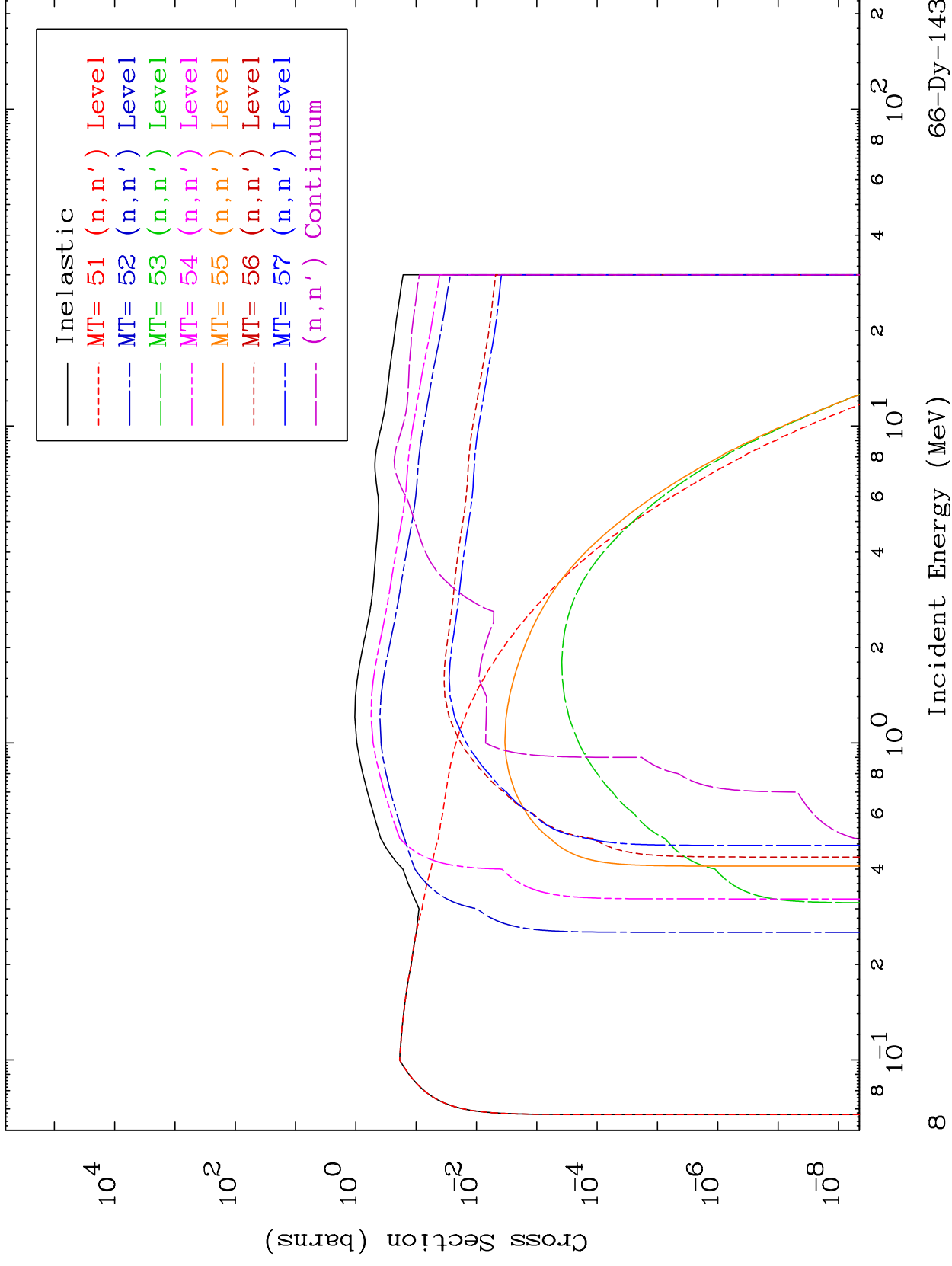
Particle Production  
293 Kelvin Cross Sections

66-Dy-143





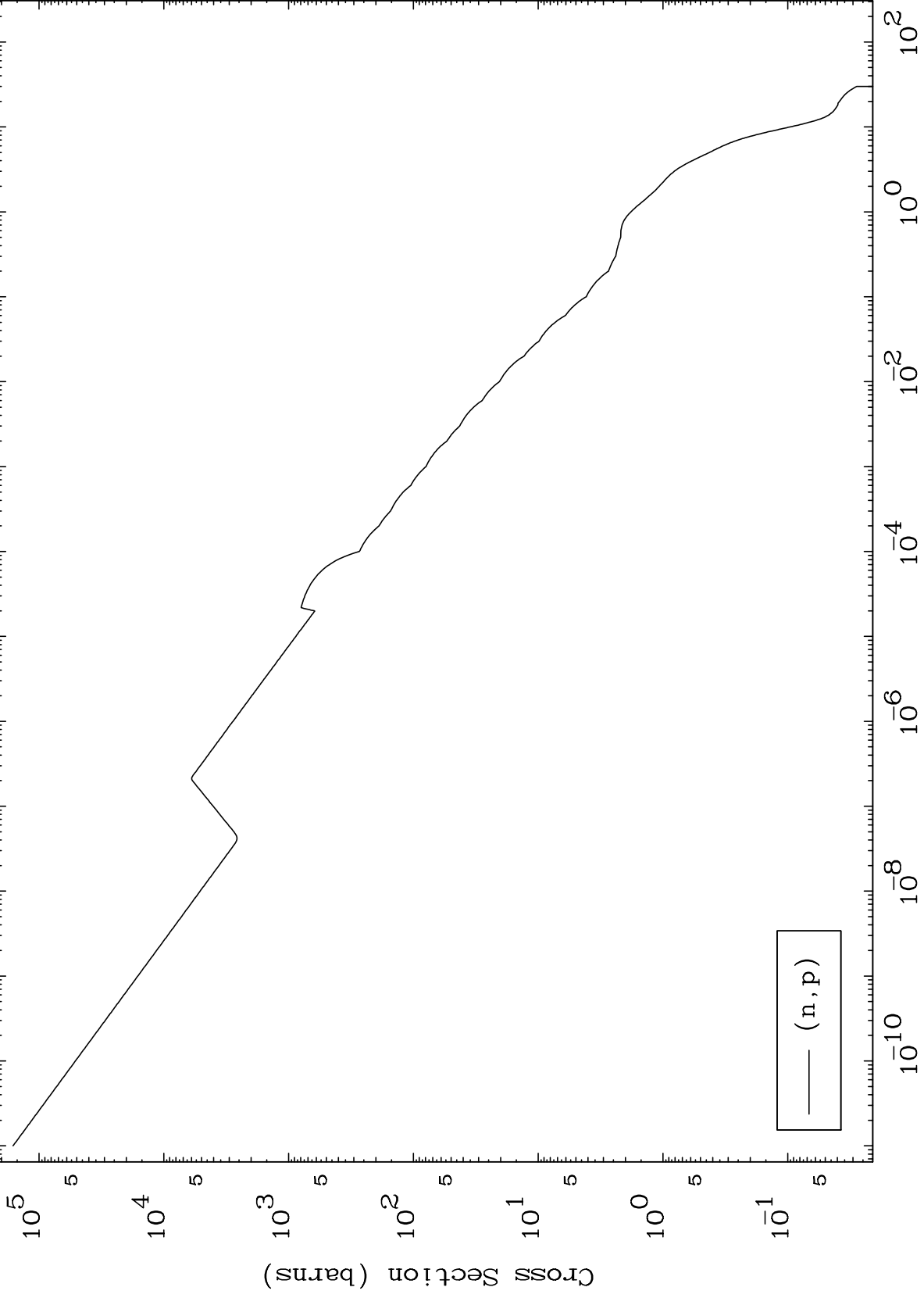
293 Kelvin Cross Sections



MAT 6586

(n,p) Levels  
293 Kelvin Cross Sections

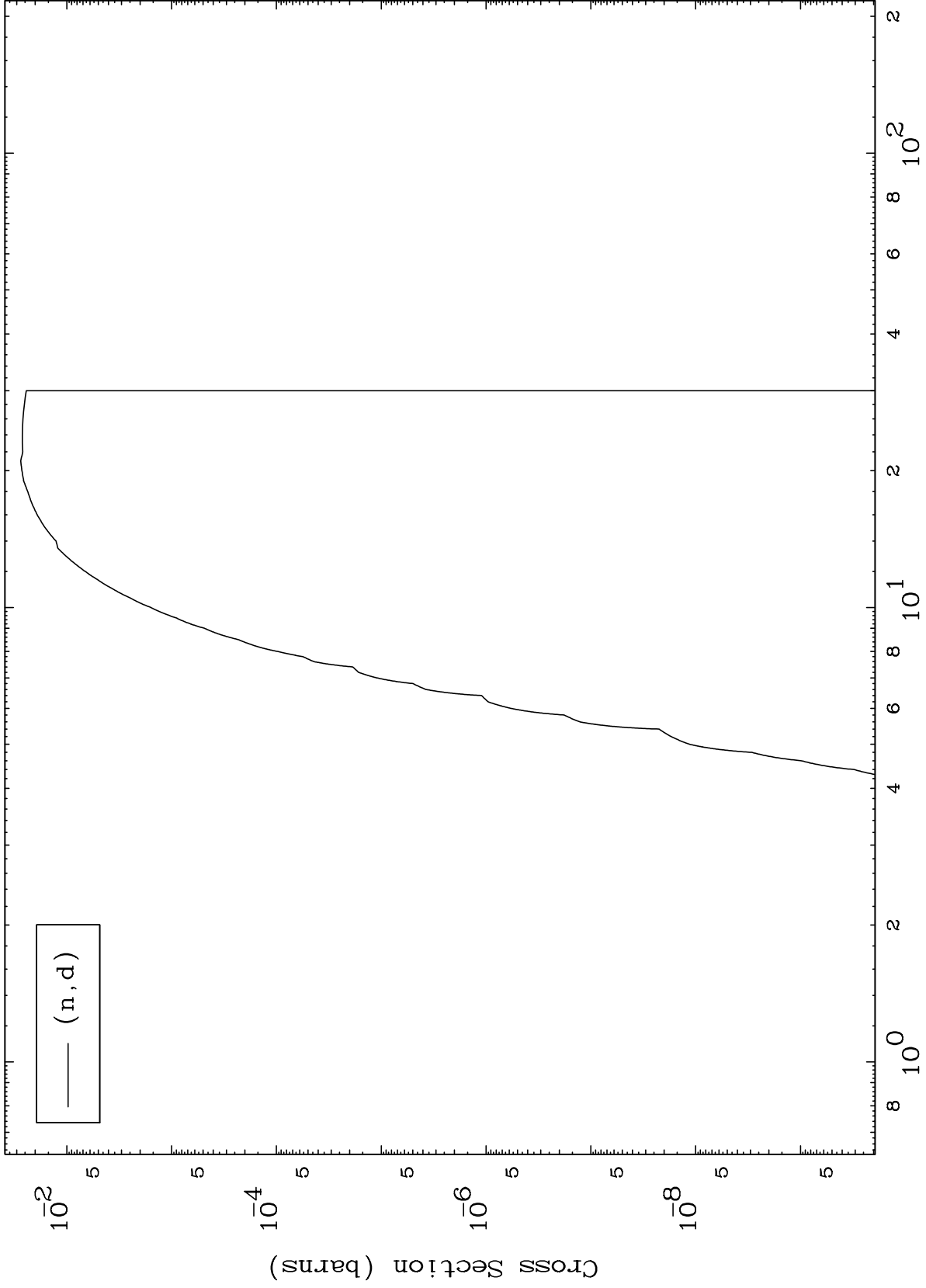
66-Dy-143



MAT 6586

(n,d) Levels  
293 Kelvin Cross Sections

66-Dy-143



10

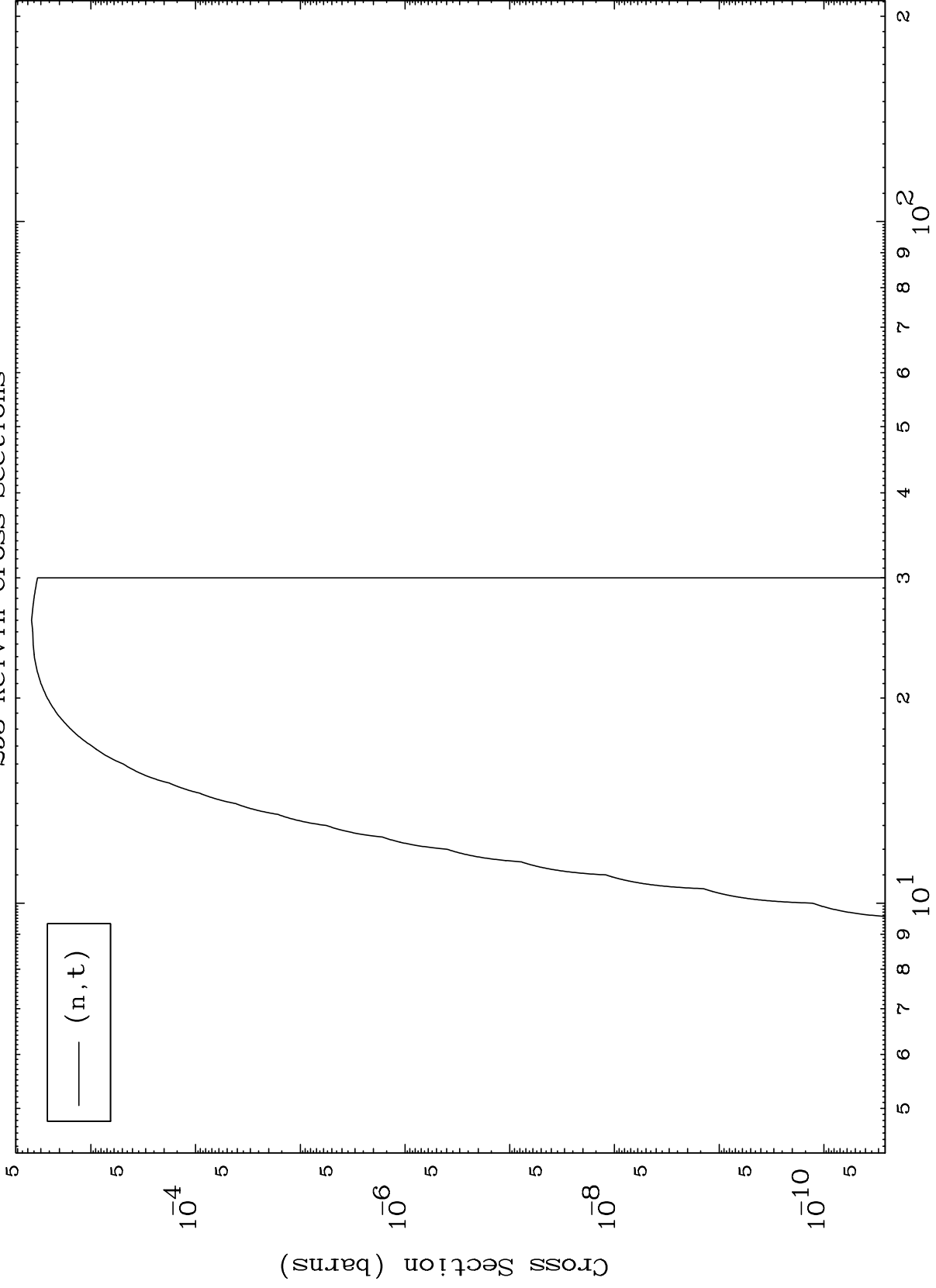
Incident Energy (MeV)

66-Dy-143

MAT 6586

(n,t) Levels  
293 Kelvin Cross Sections

66-Dy-143



11

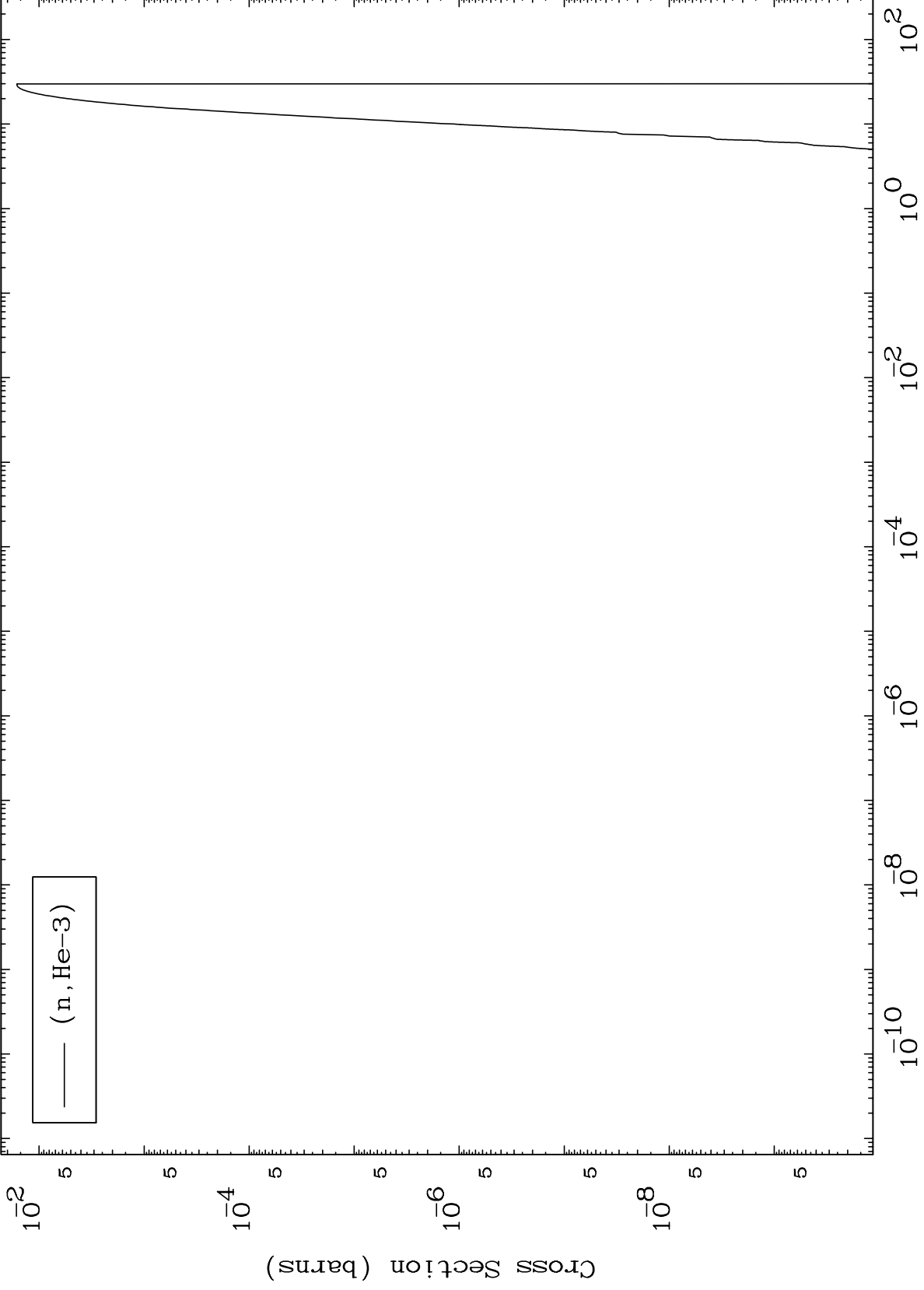
Incident Energy (MeV)

66-Dy-143

MAT 6586

(n,He3) Levels  
293 Kelvin Cross Sections

66-Dy-143



12

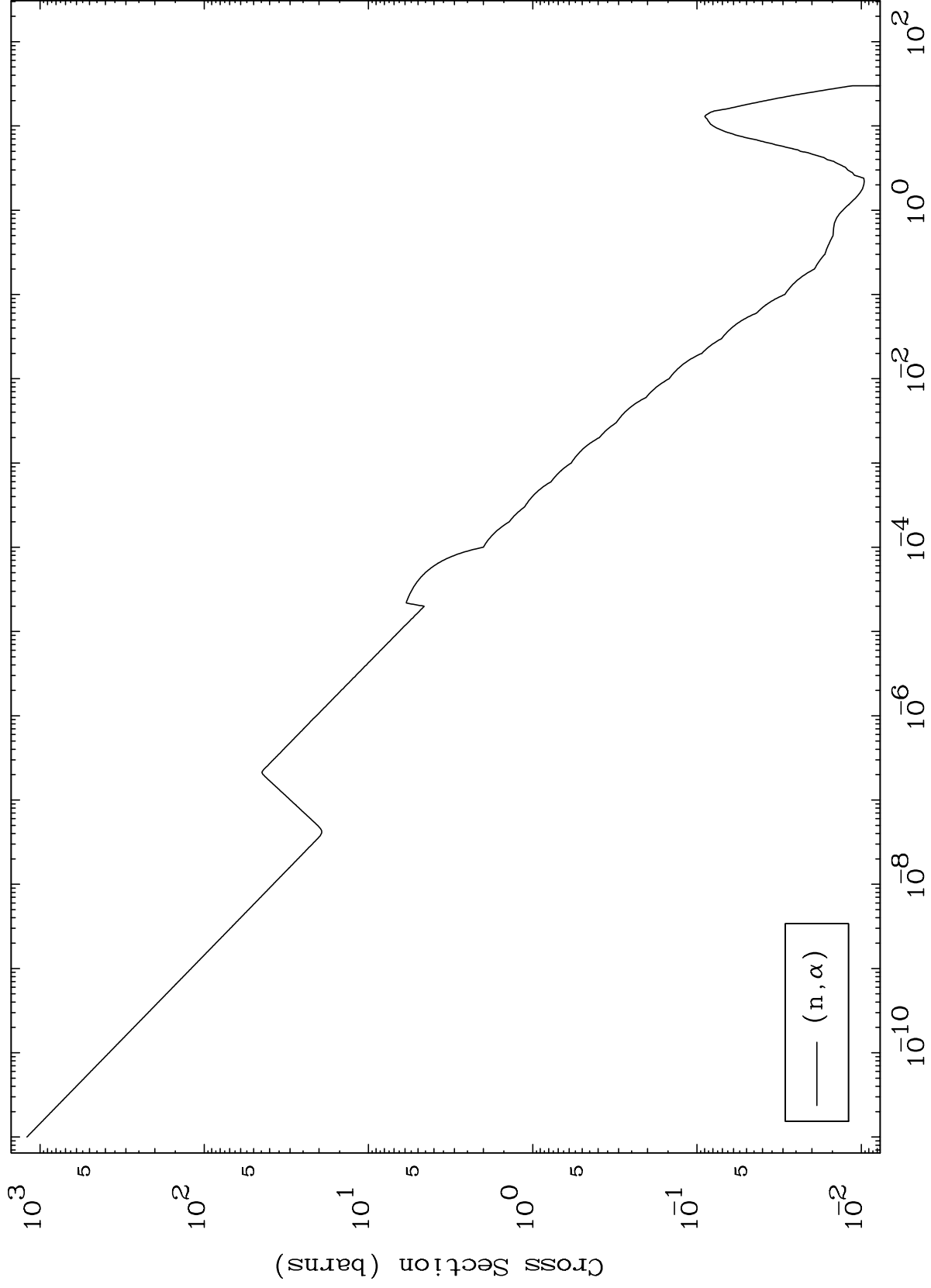
Incident Energy (MeV)

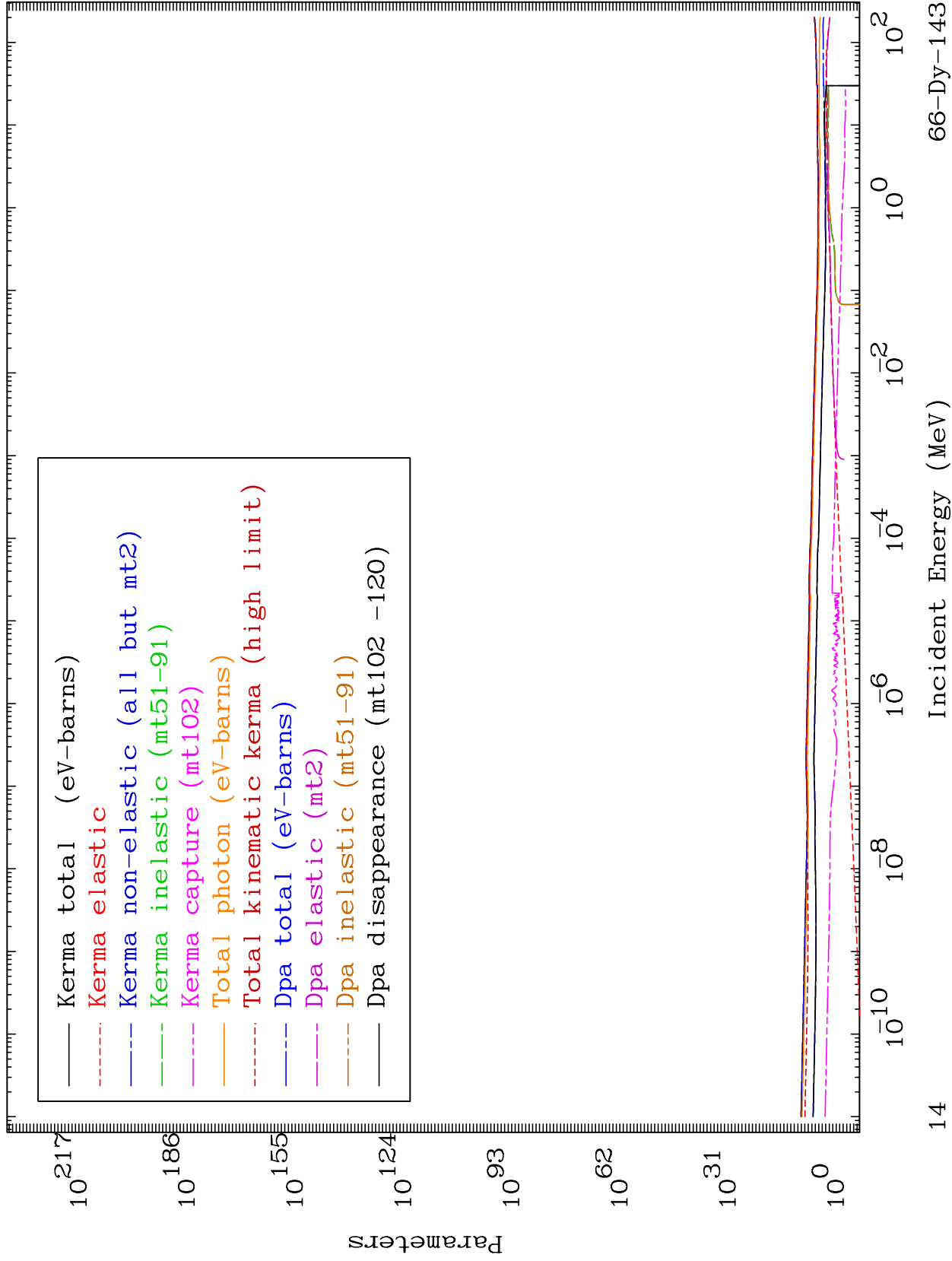
66-Dy-143

MAT 6586

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

66-Dy-143

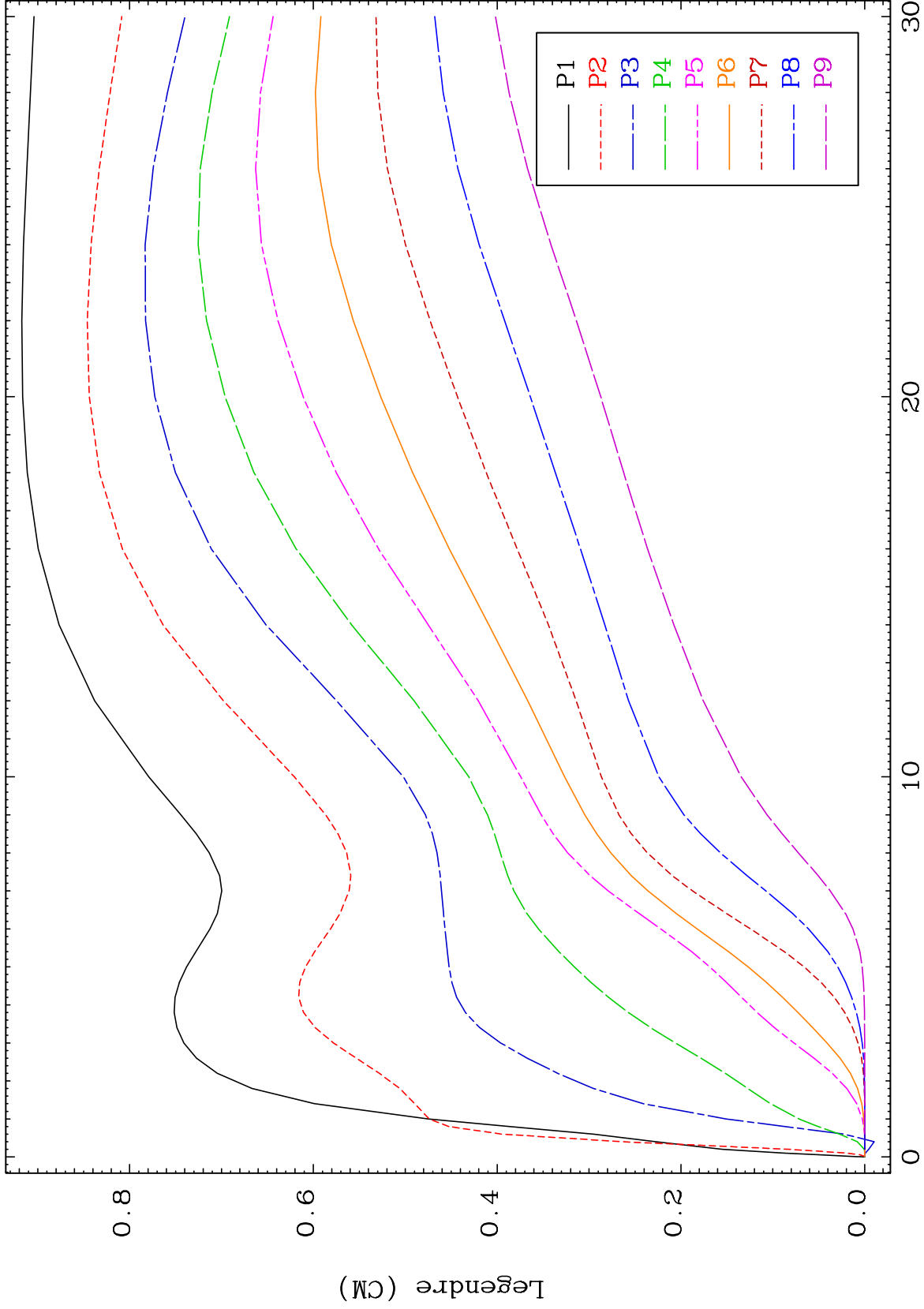




MAT 6586

Elastic Legendre Coefficients

66-Dy-143



15

Incident Energy (MeV)

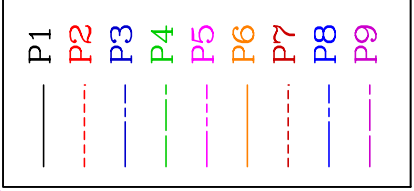
66-Dy-143

0

10

20

30

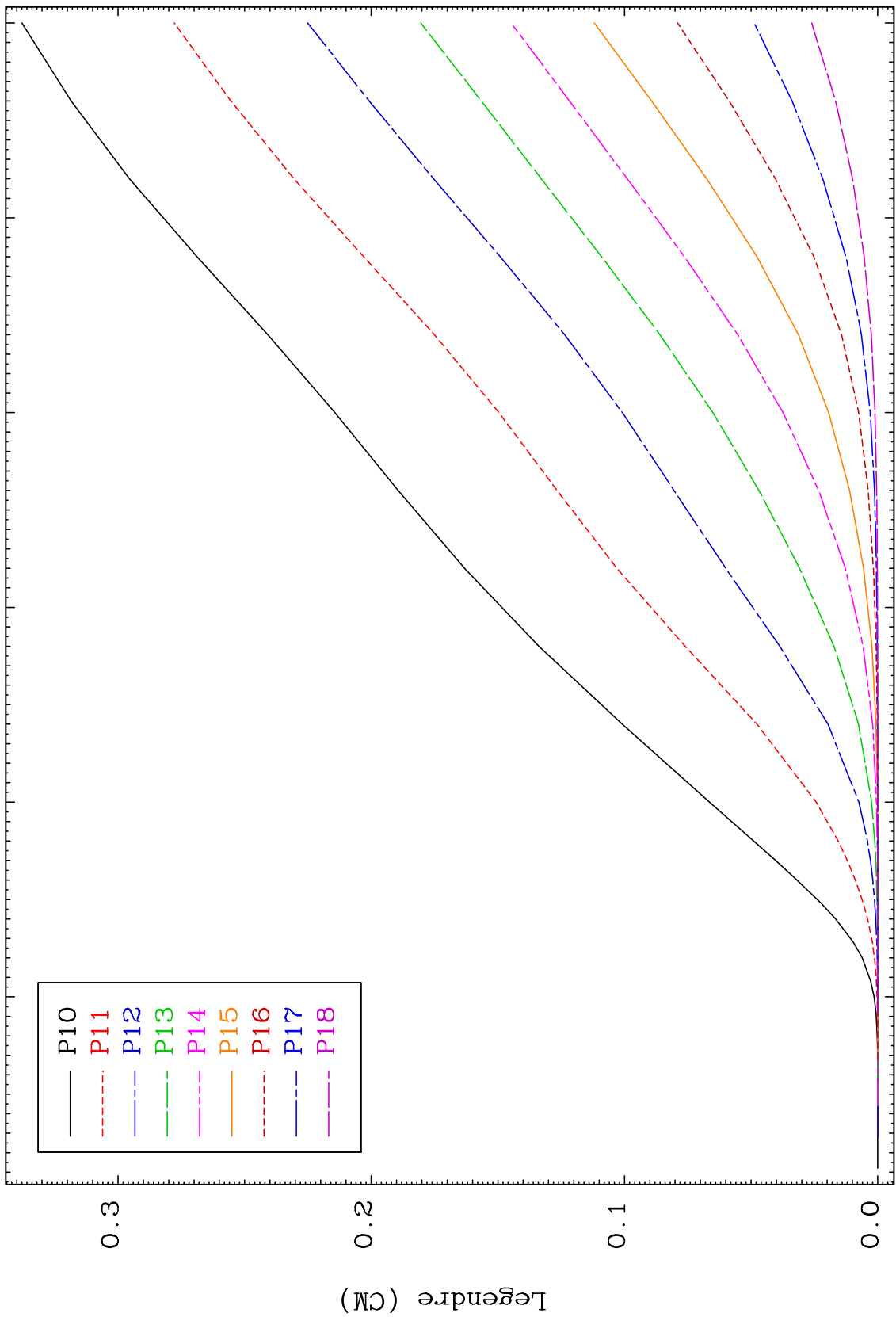




MAT 6586

Elastic Legendre Coefficients

66-Dy-143



16

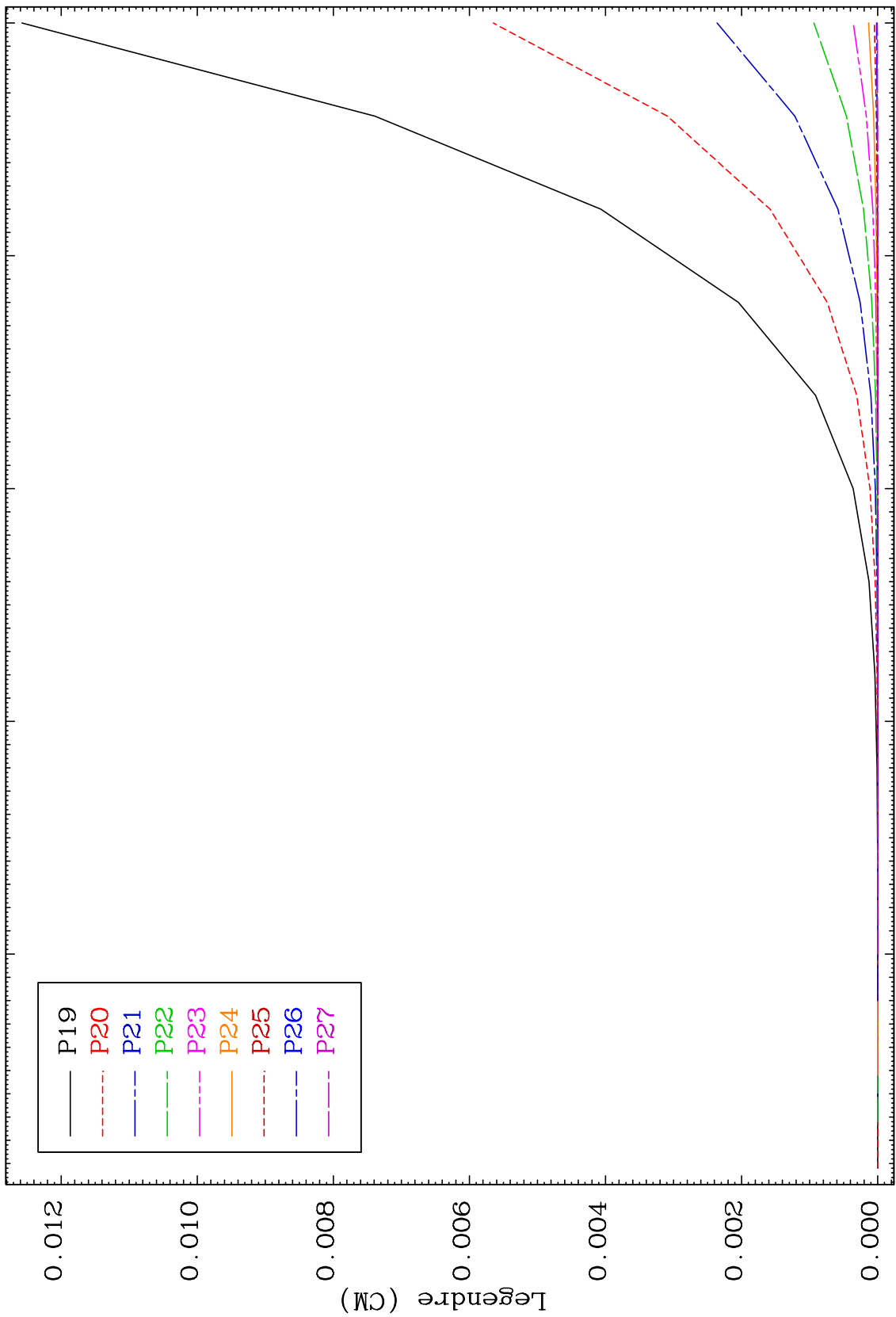
Incident Energy (MeV)

66-Dy-143

MAT 6586

Elastic Legendre Coefficients

66-Dy-143



17

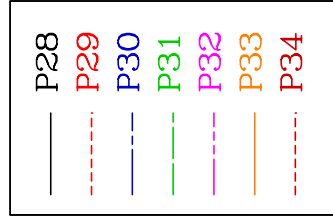
Incident Energy (MeV)

66-Dy-143

MAT 6586

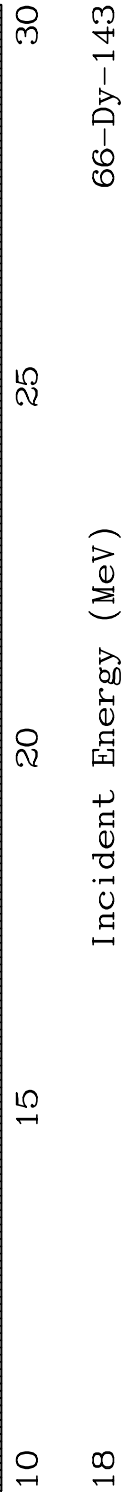
Elastic  
Legendre Coefficients

66-Dy-143



$\times 10^{-6}$   
1.5  
1.0  
0.5  
0.0

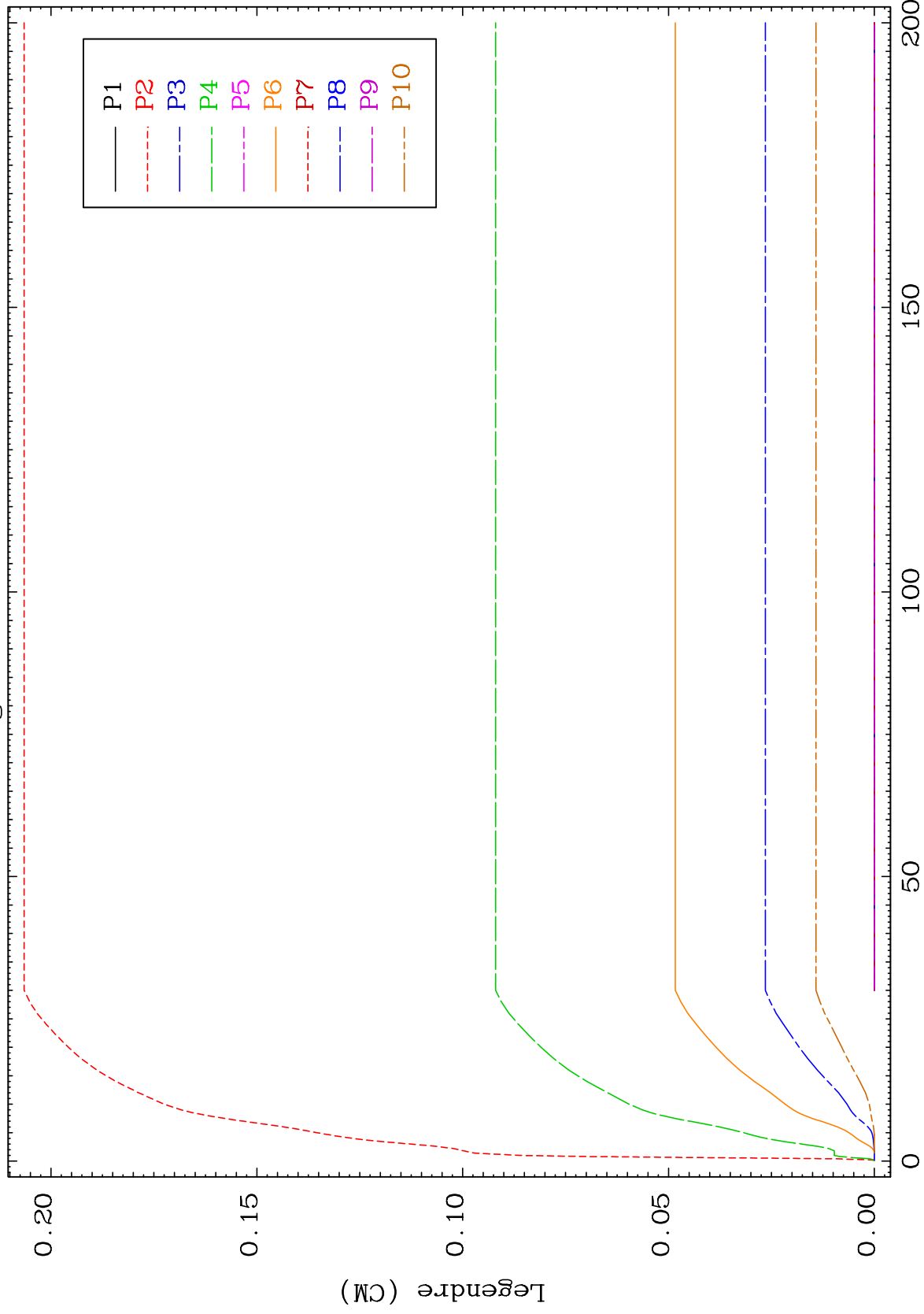
Legendre (CM)



MAT 6586

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

66-Dy-143



66-Dy-143

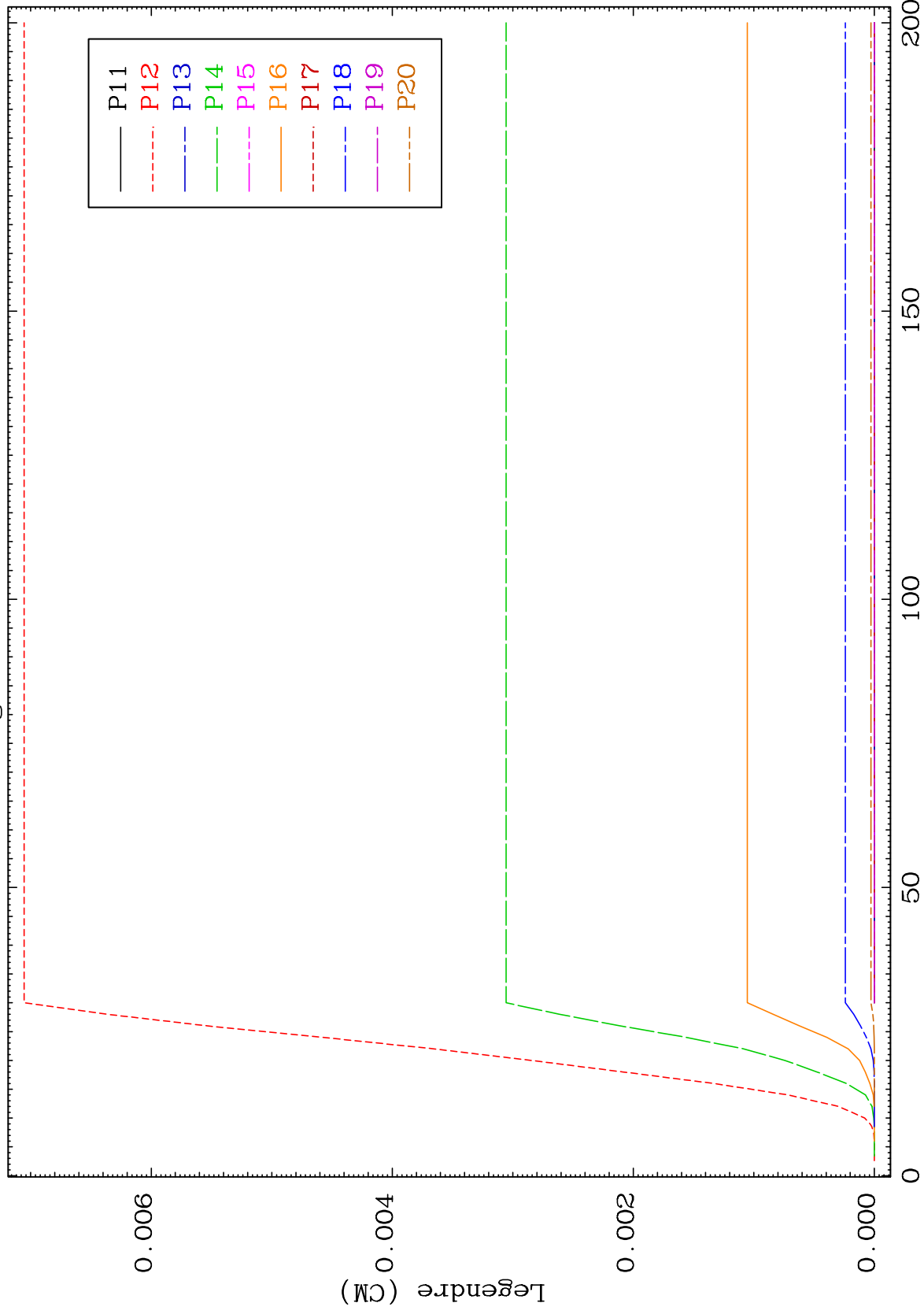
Incident Energy (MeV)

19

MAT 6586

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

66-Dy-143



20

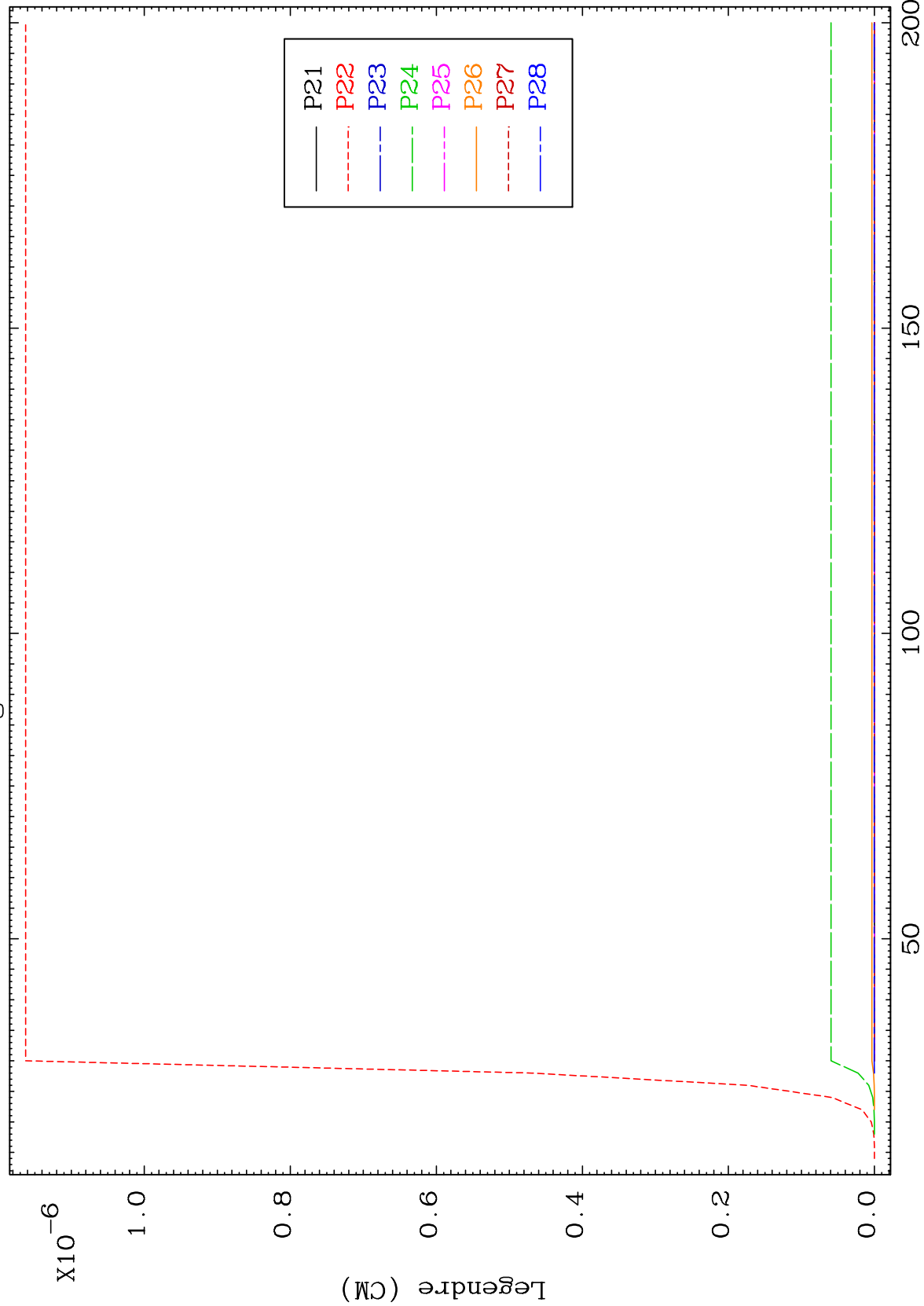
Incident Energy (MeV)

66-Dy-143

MAT 6586

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

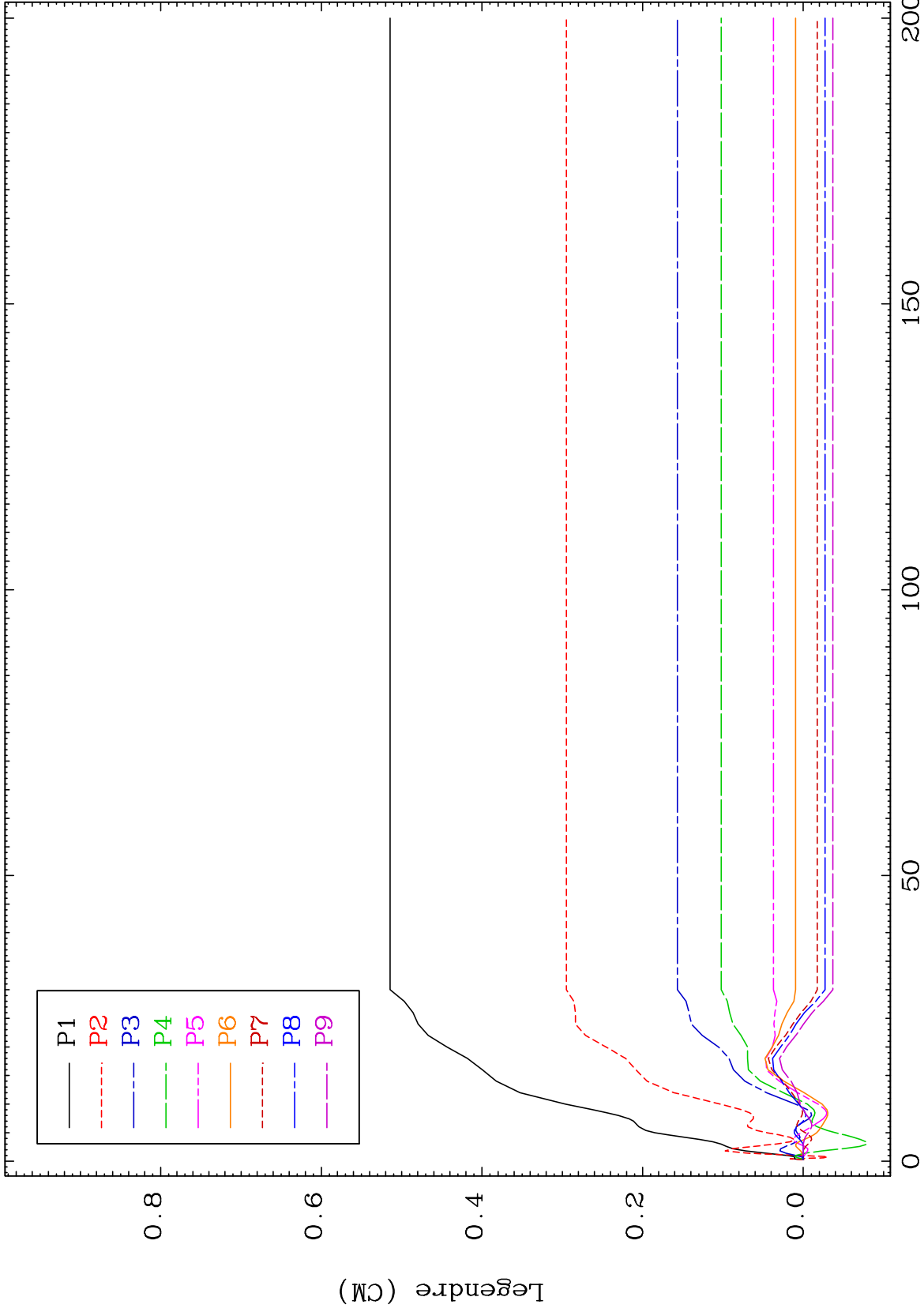
66-Dy-143



MAT 6586

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

66-Dy-143



22

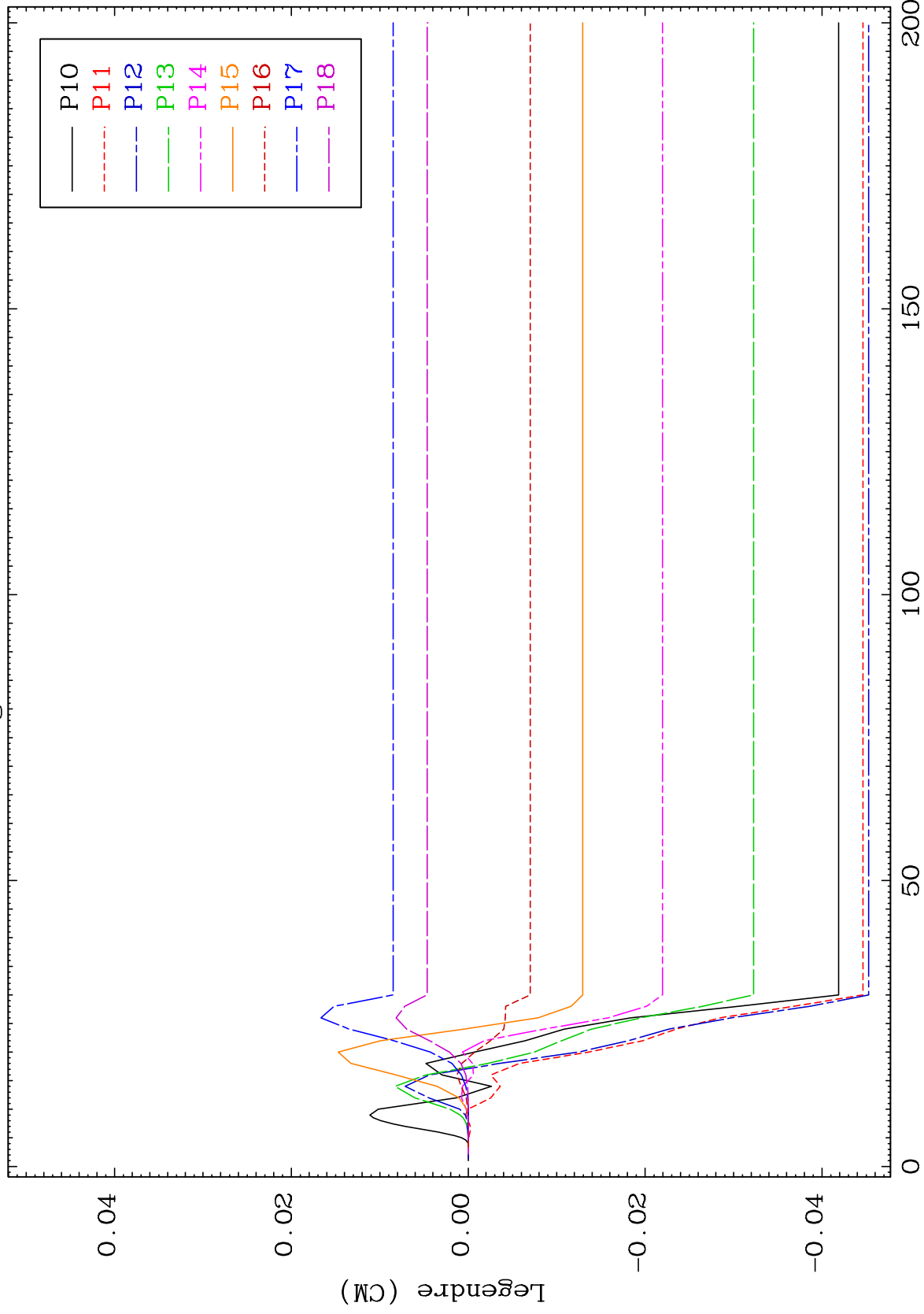
Incident Energy (MeV)

66-Dy-143

MAT 6586

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

66-Dy-143



23

Incident Energy (MeV)

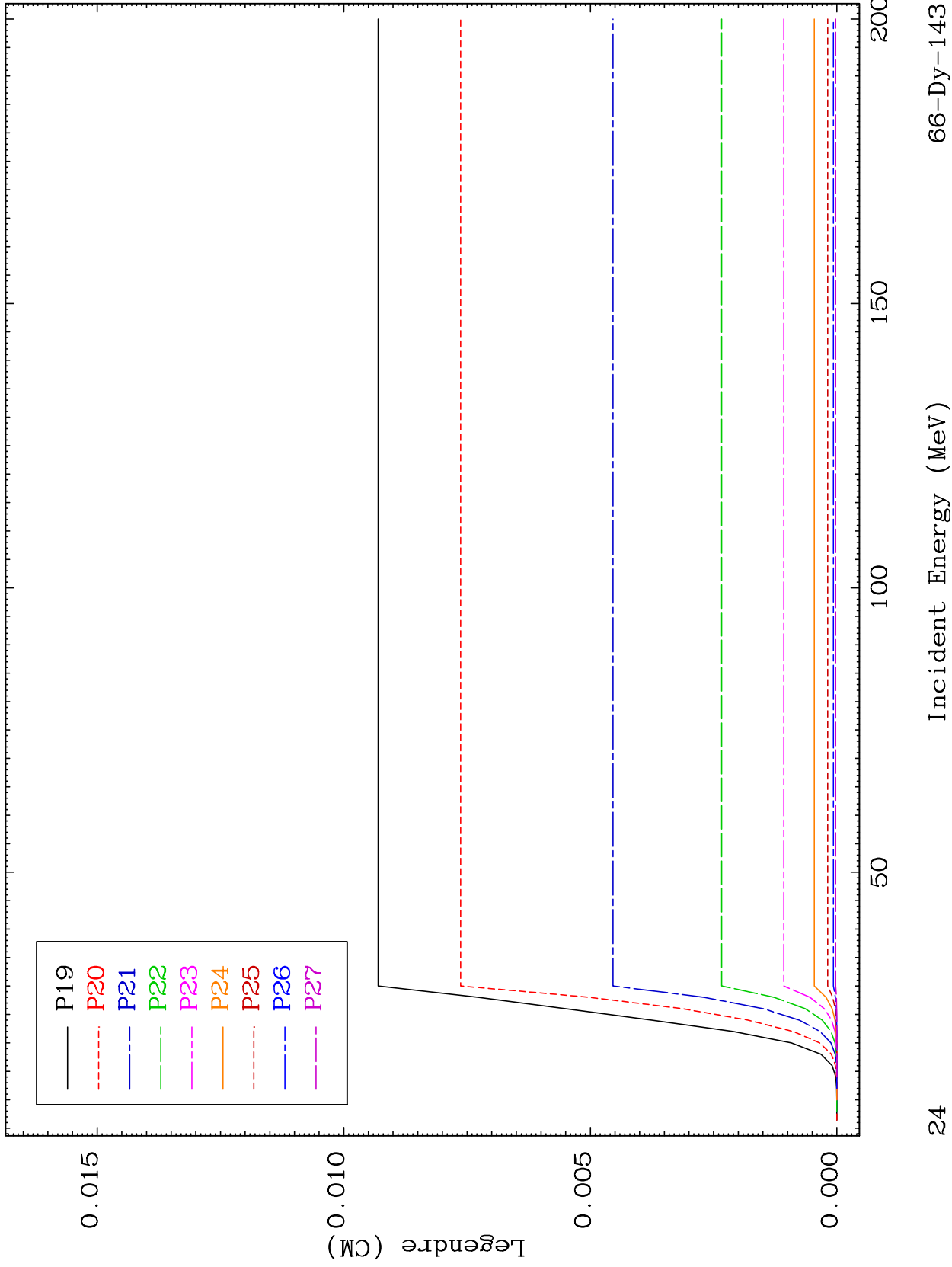
66-Dy-143



MAT 6586

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

66-Dy-143



24

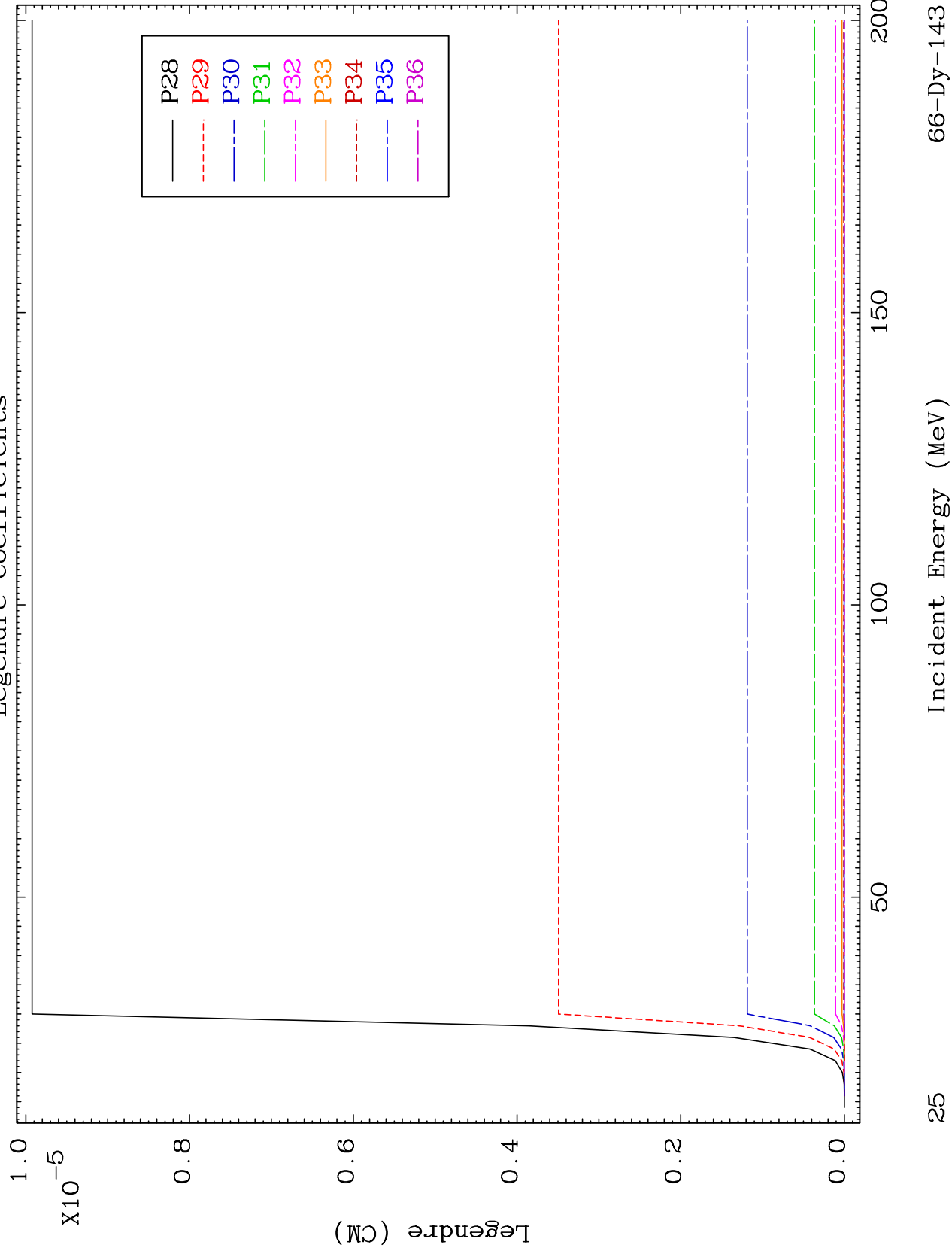
Incident Energy (MeV)

66-Dy-143

MAT 6586

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

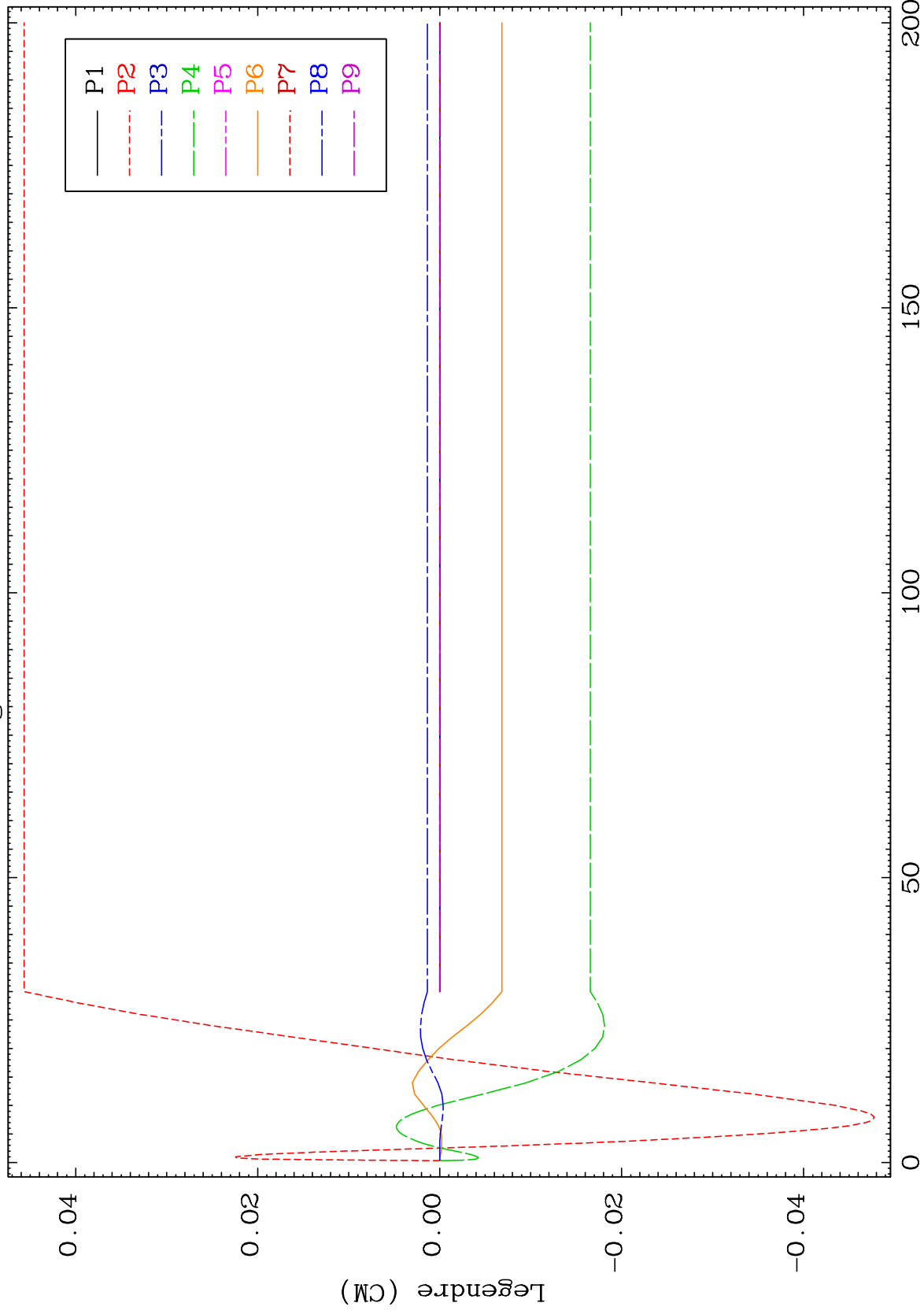
66-Dy-143



MAT 6586

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

66-Dy-143



26

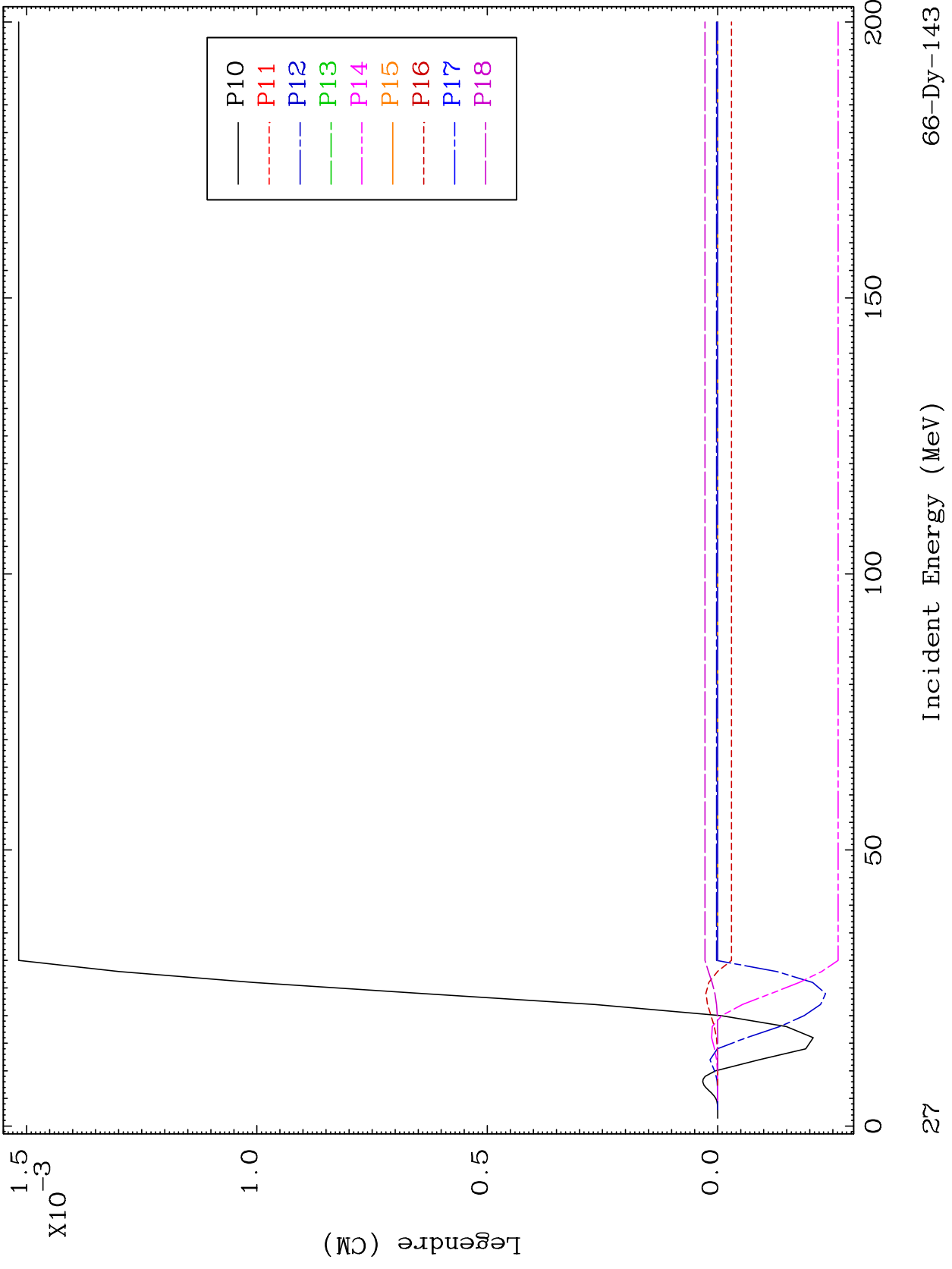
Incident Energy (MeV)

66-Dy-143

MAT 6586

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

66-Dy-143



27

Incident Energy (MeV)

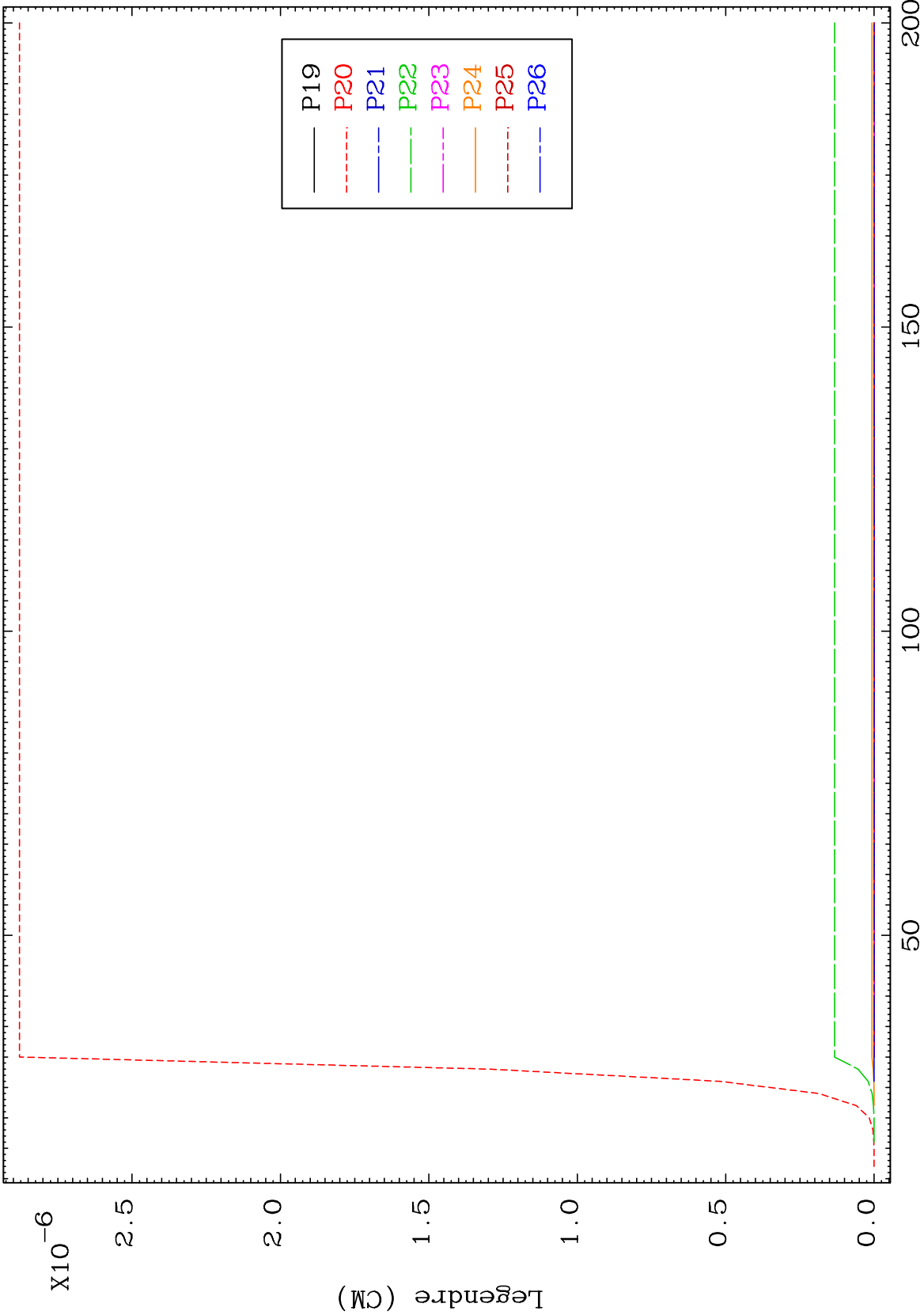
66-Dy-143

MAT 6586

MT= 53 (n,n') Level

66-Dy-143

Legendre Coefficients



66-Dy-143

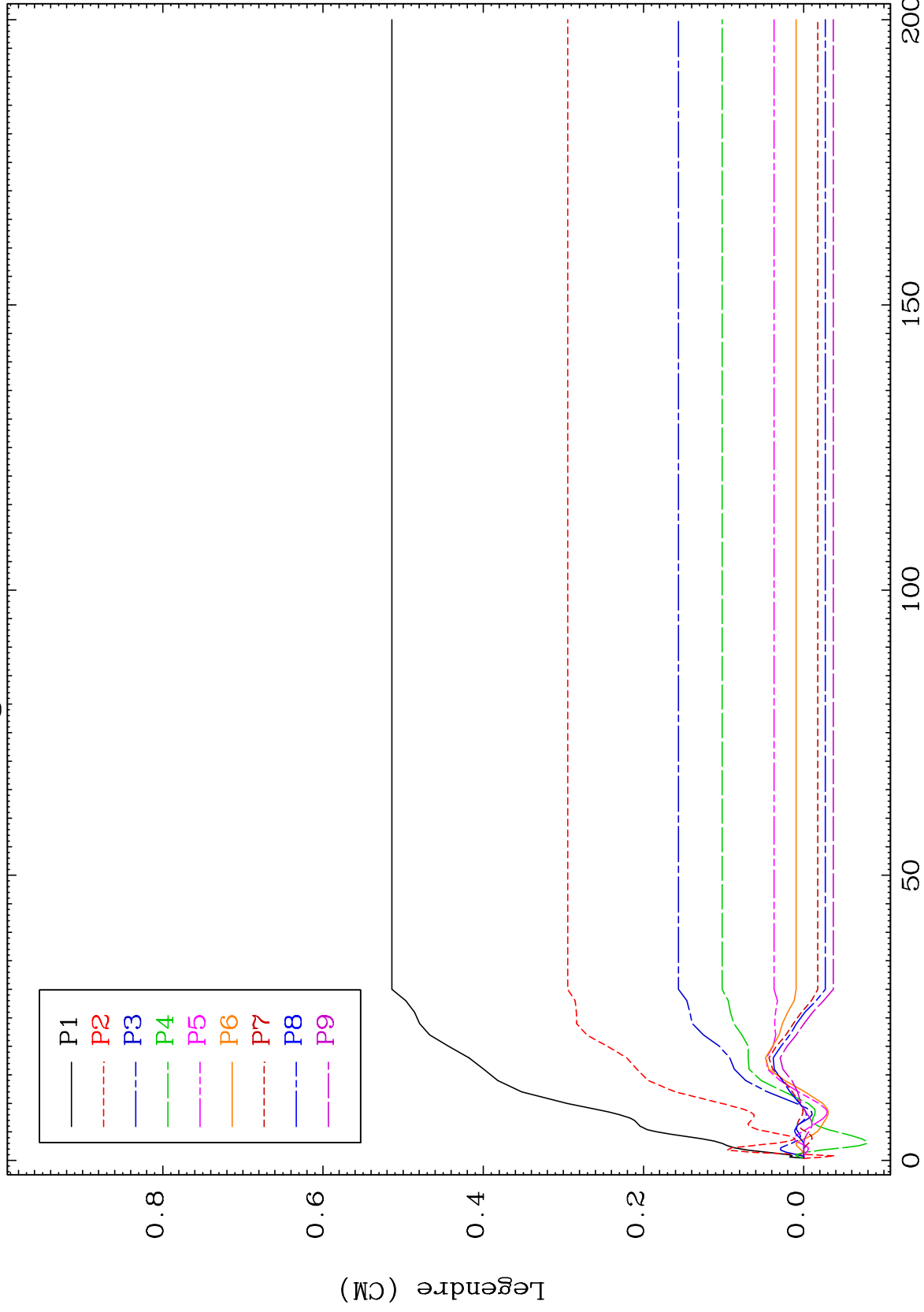
Incident Energy (MeV)

28

MAT 6586

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

66-Dy-143



29

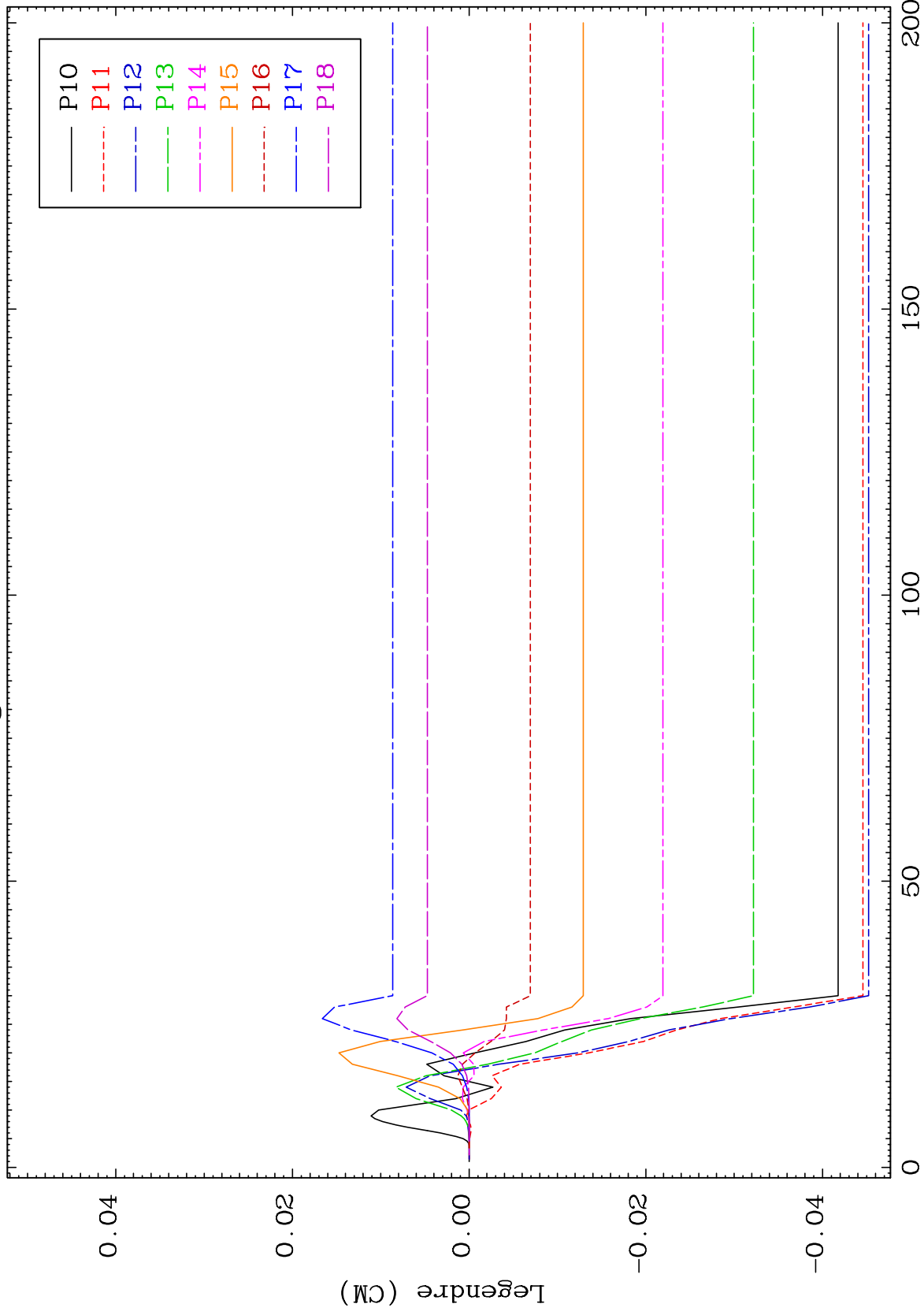
Incident Energy (MeV)

66-Dy-143

MAT 6586

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

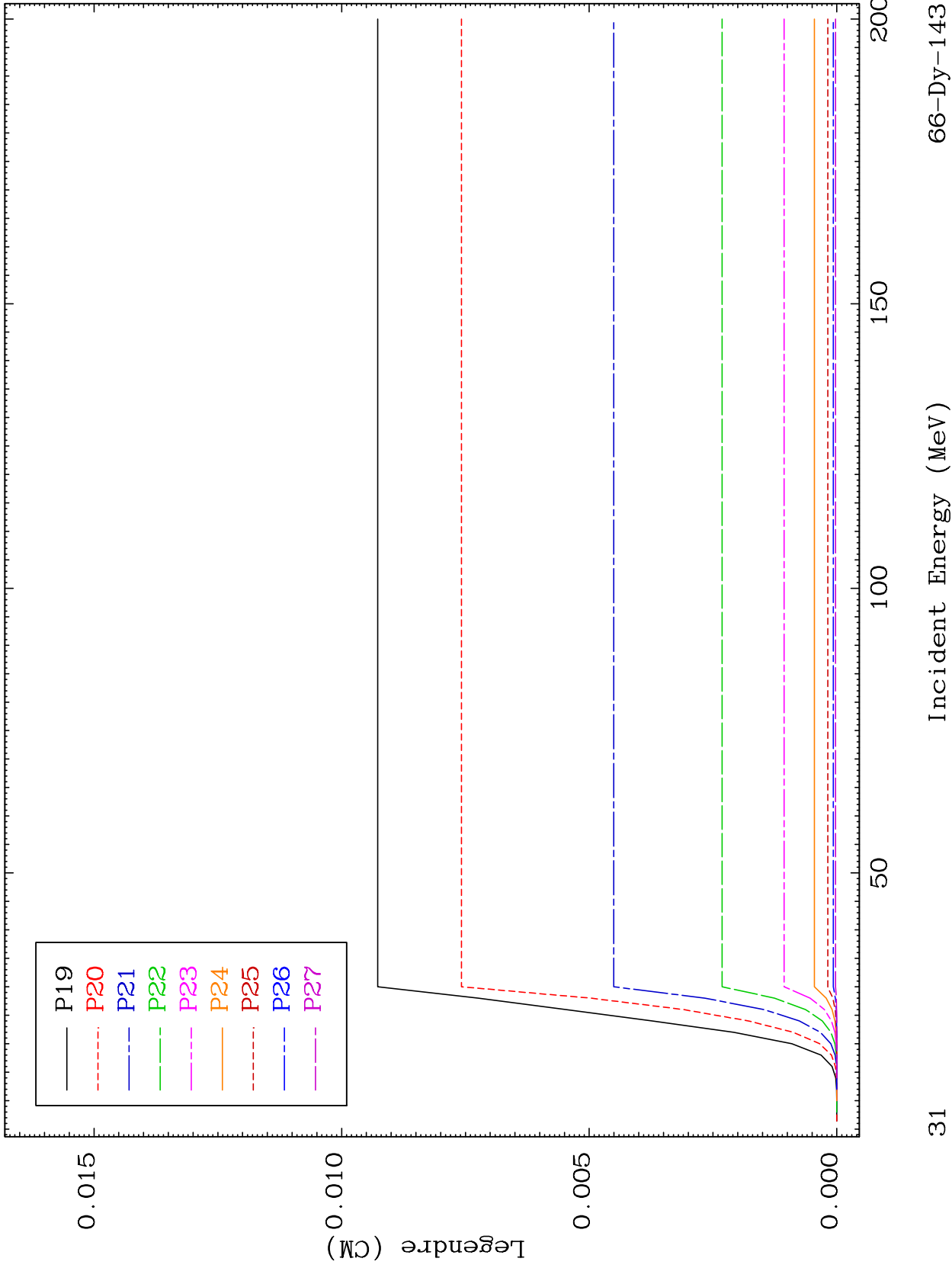
66-Dy-143



30

Incident Energy (MeV)

66-Dy-143

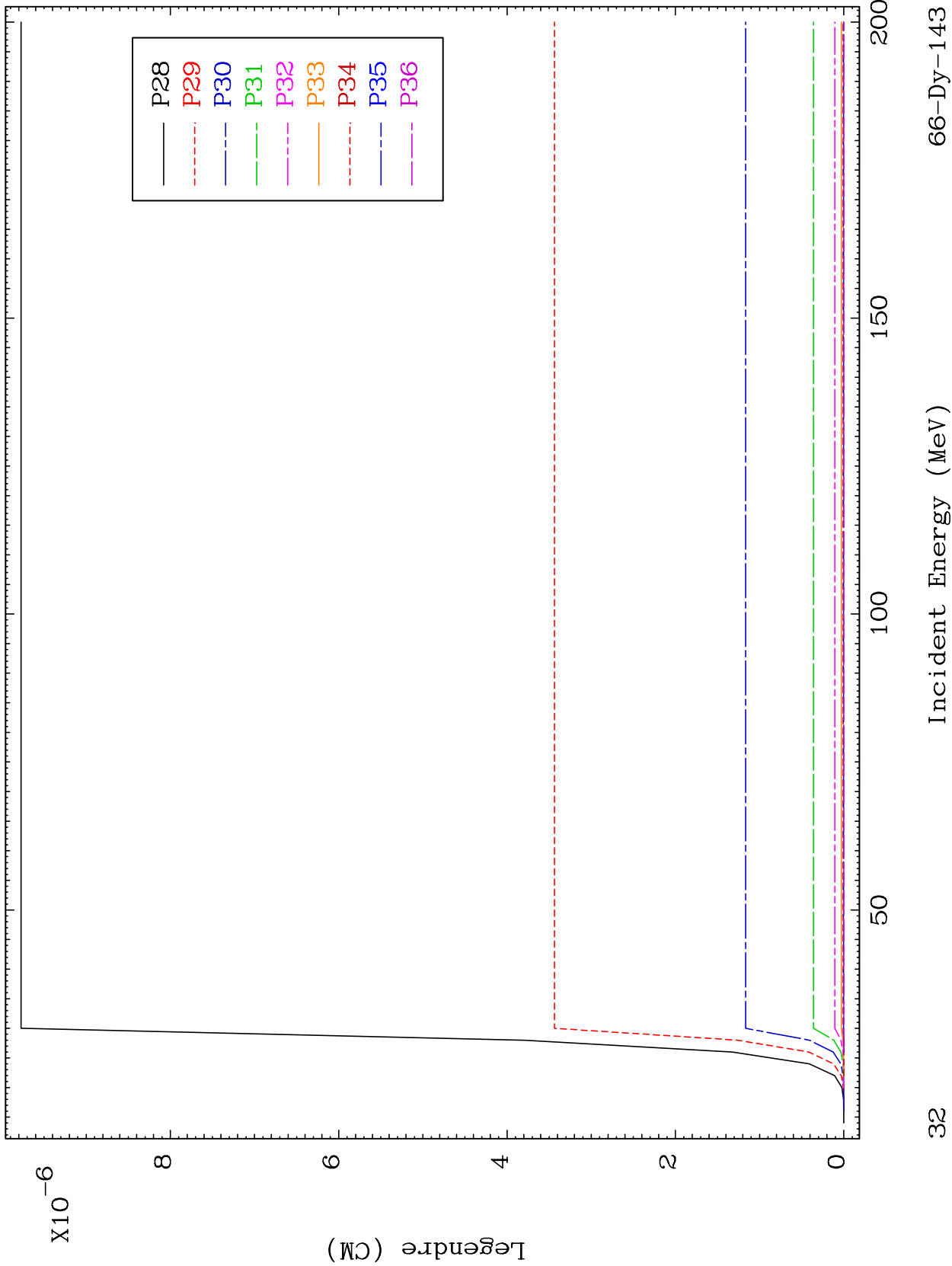




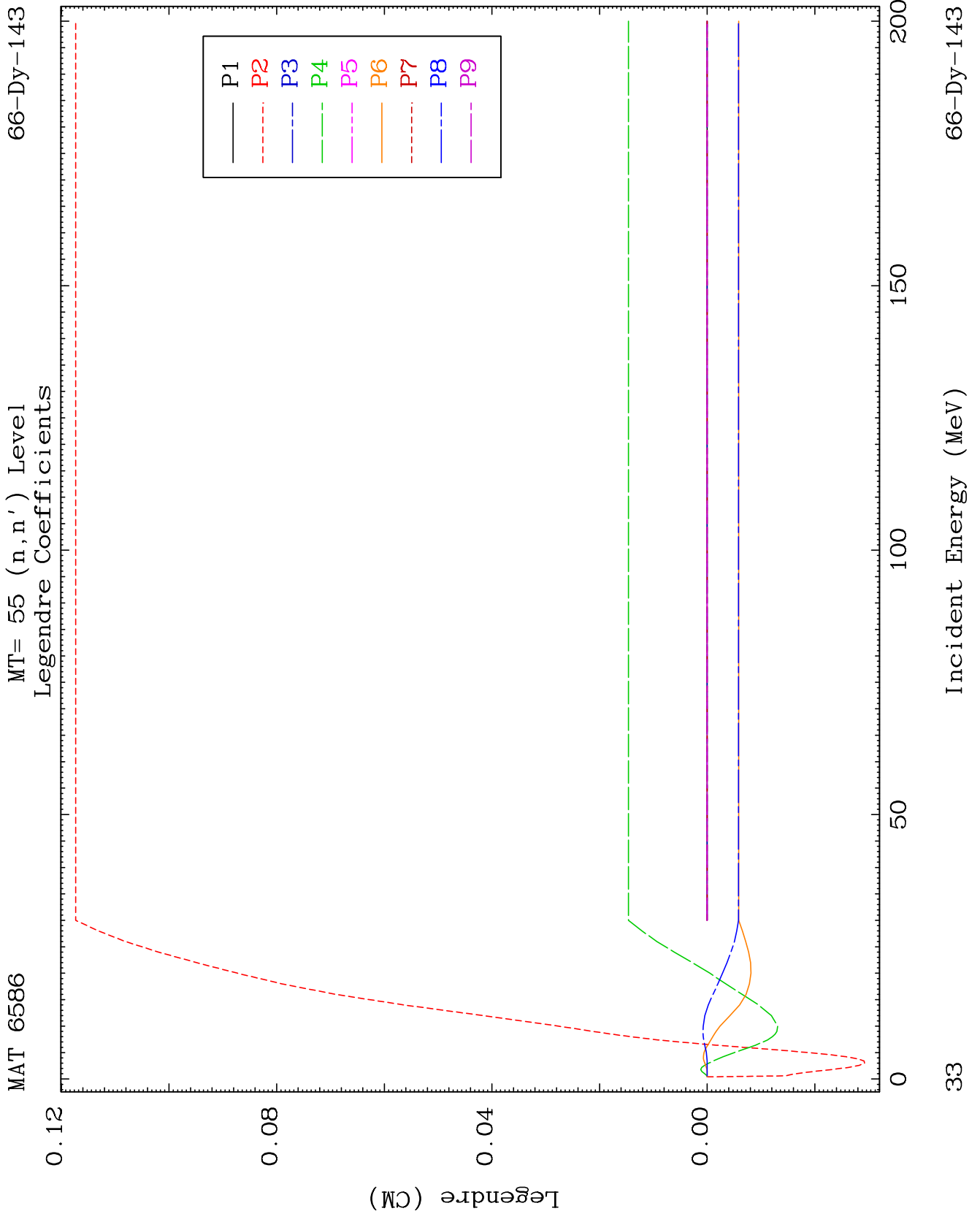
MAT 6586

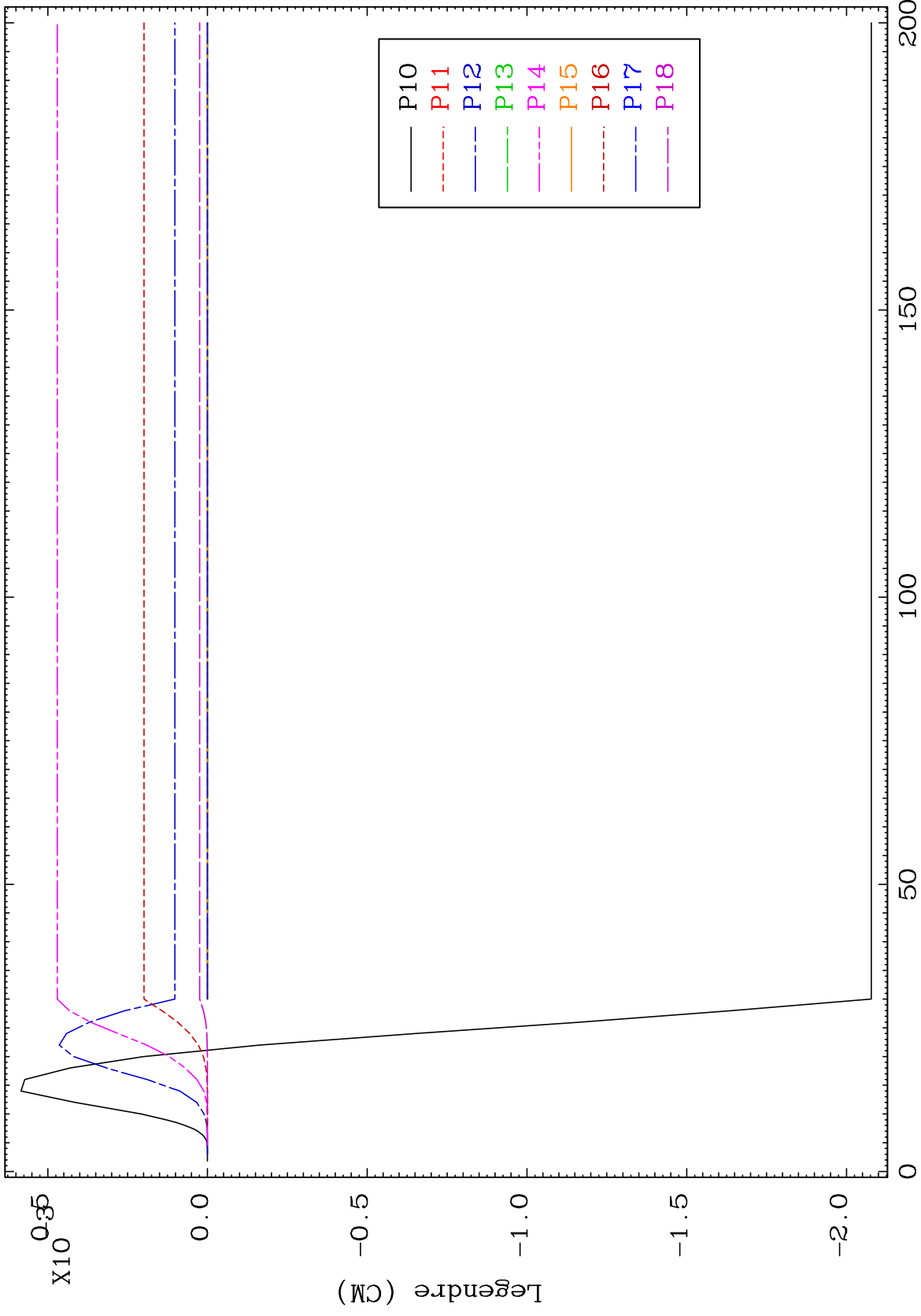
MT= 54 (n,n') Level  
Legendre Coefficients

66-Dy-143



32

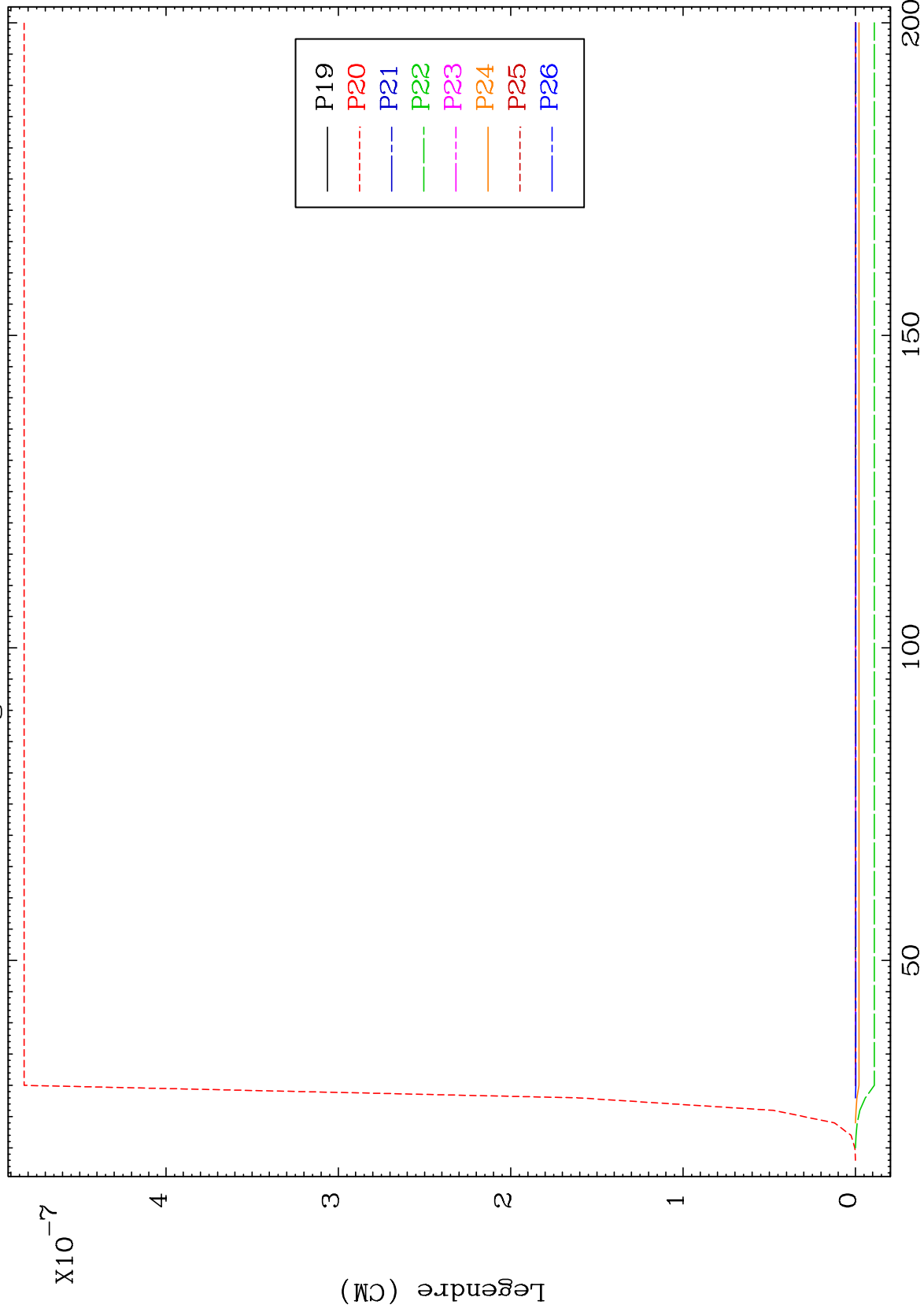




MAT 6586

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

66-Dy-143



35

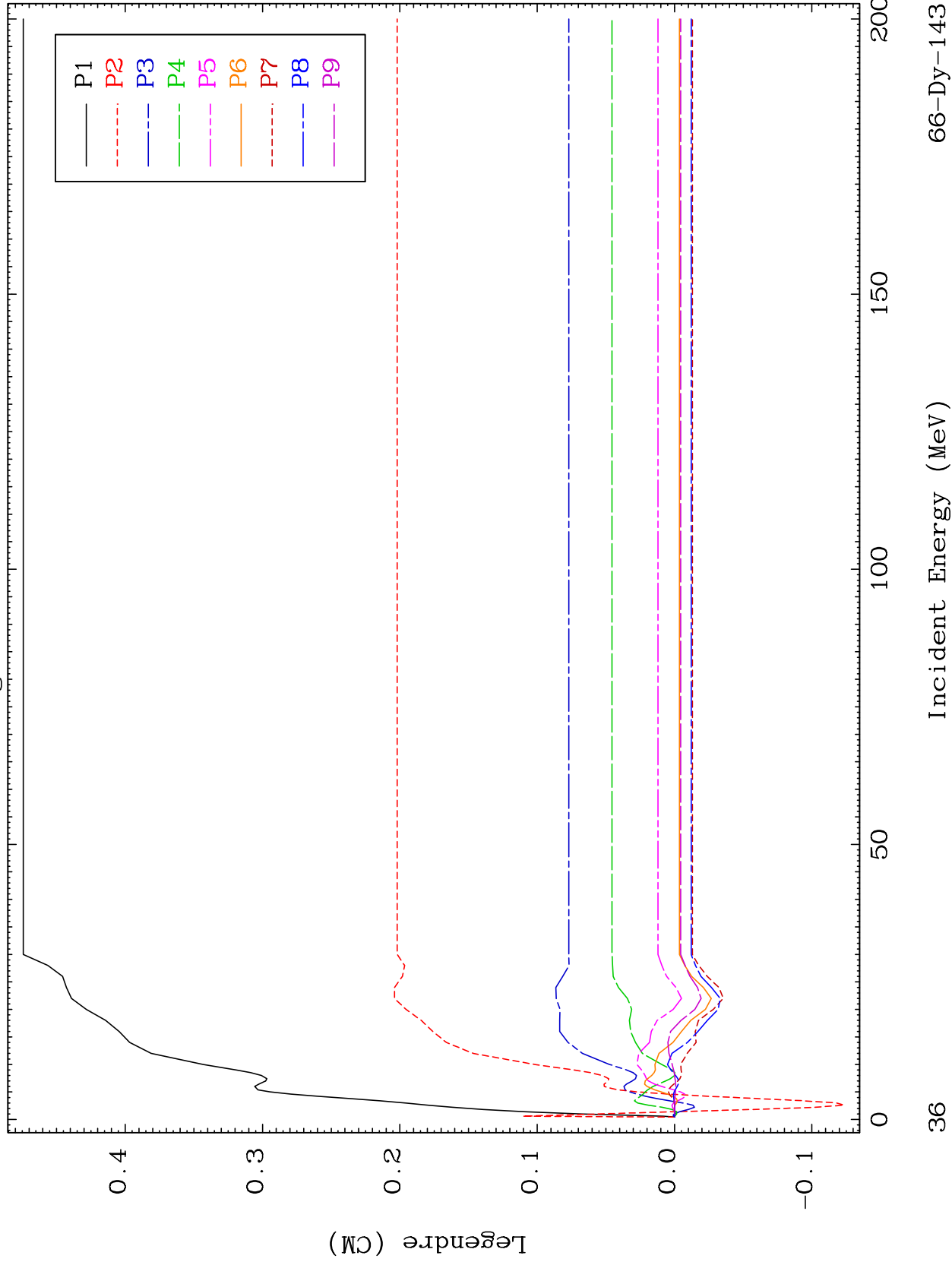
Incident Energy (MeV)

66-Dy-143

MAT 6586

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

66-Dy-143



66-Dy-143

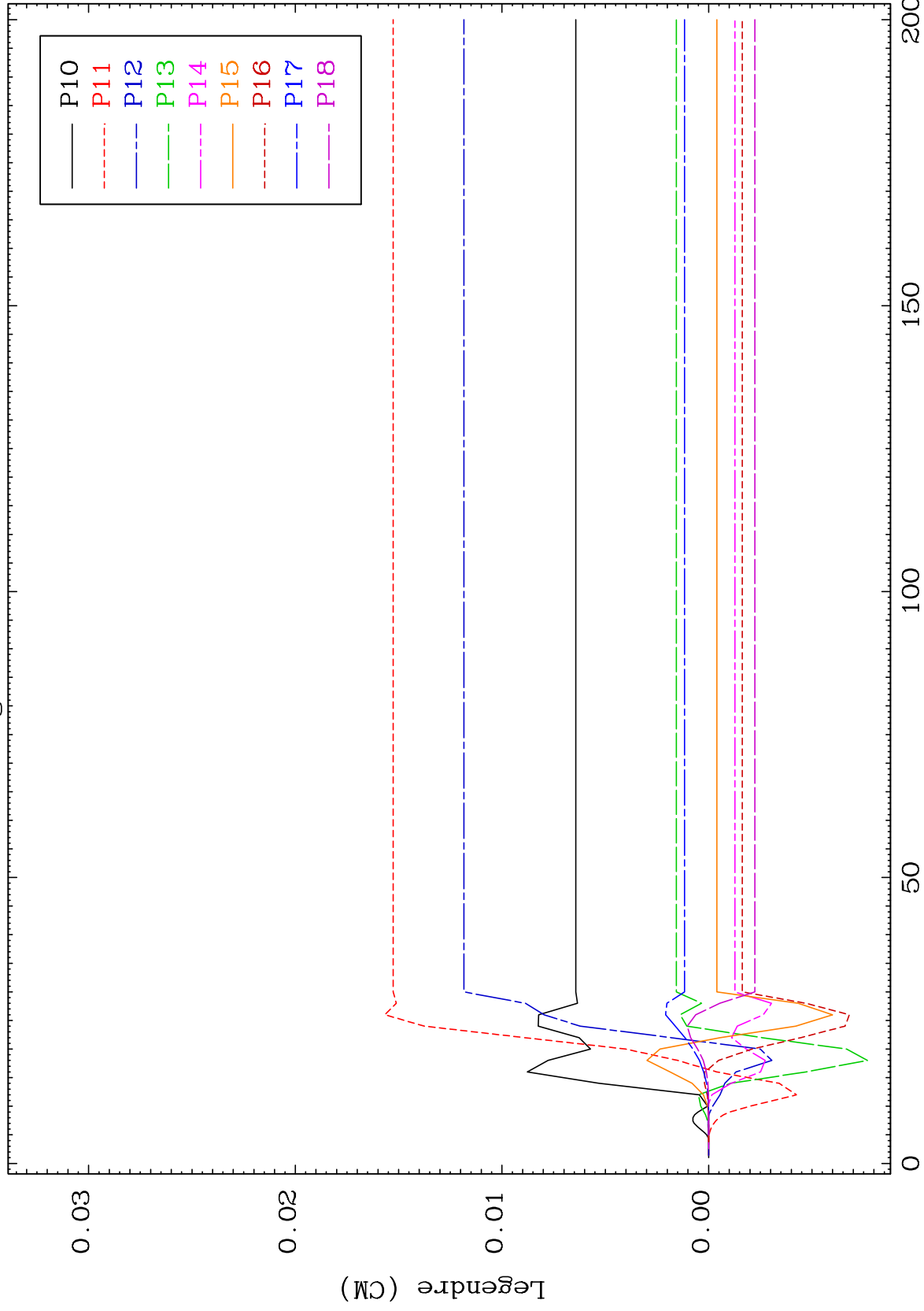
Incident Energy (MeV)

36

MAT 6586

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

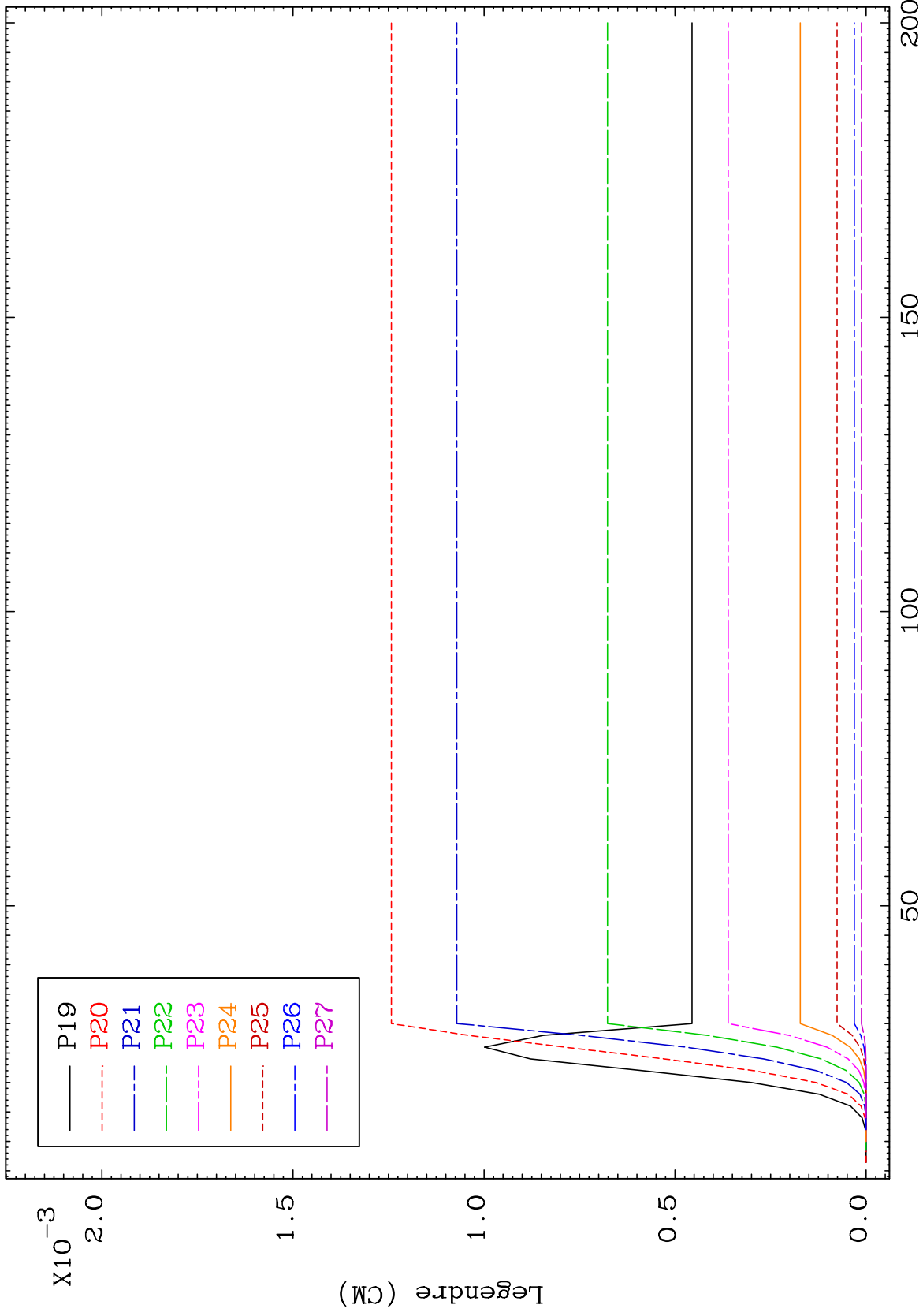
66-Dy-143



37

Incident Energy (MeV)

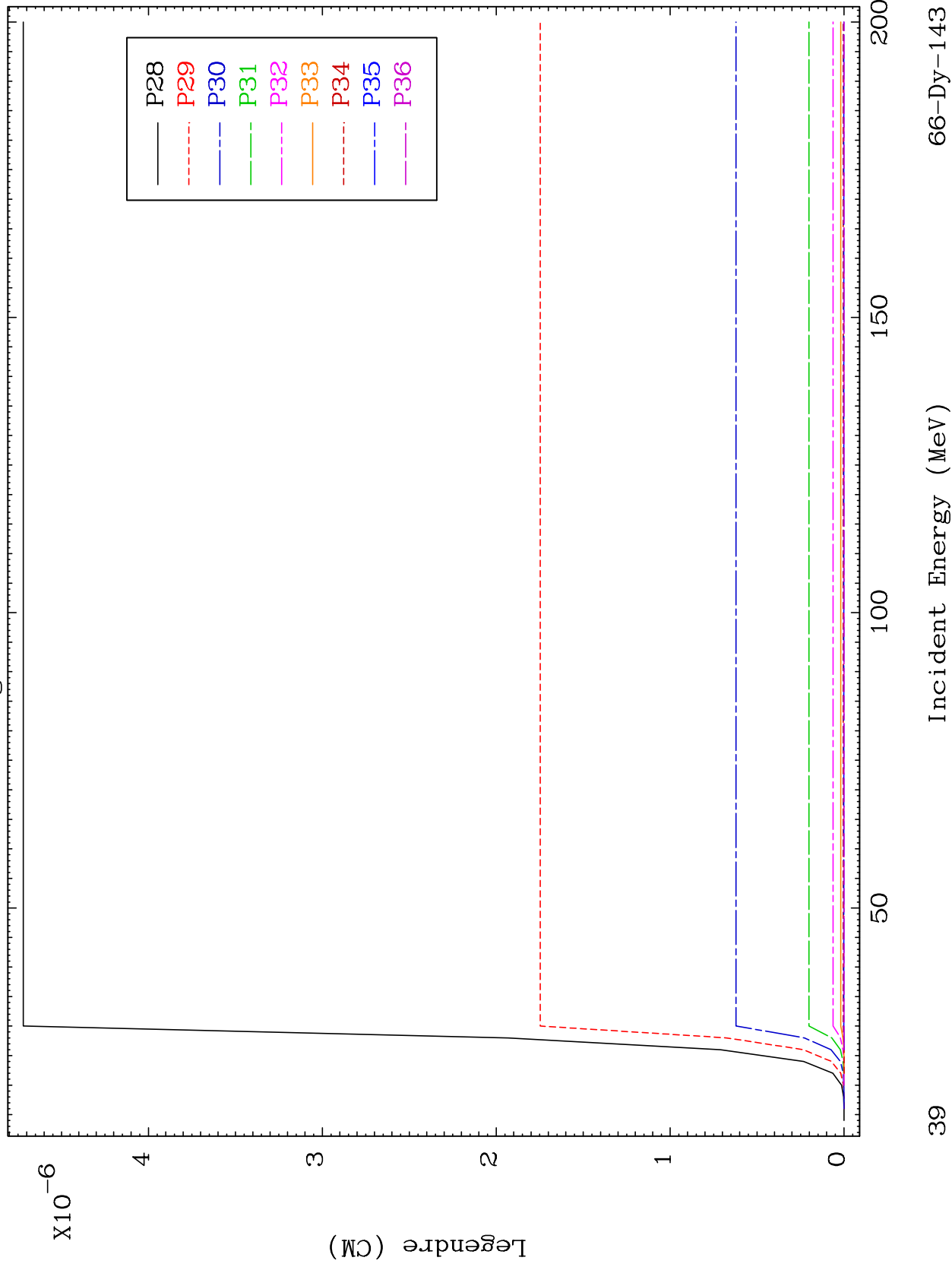
66-Dy-143



MAT 6586

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

66-Dy-143



39

Incident Energy (MeV)

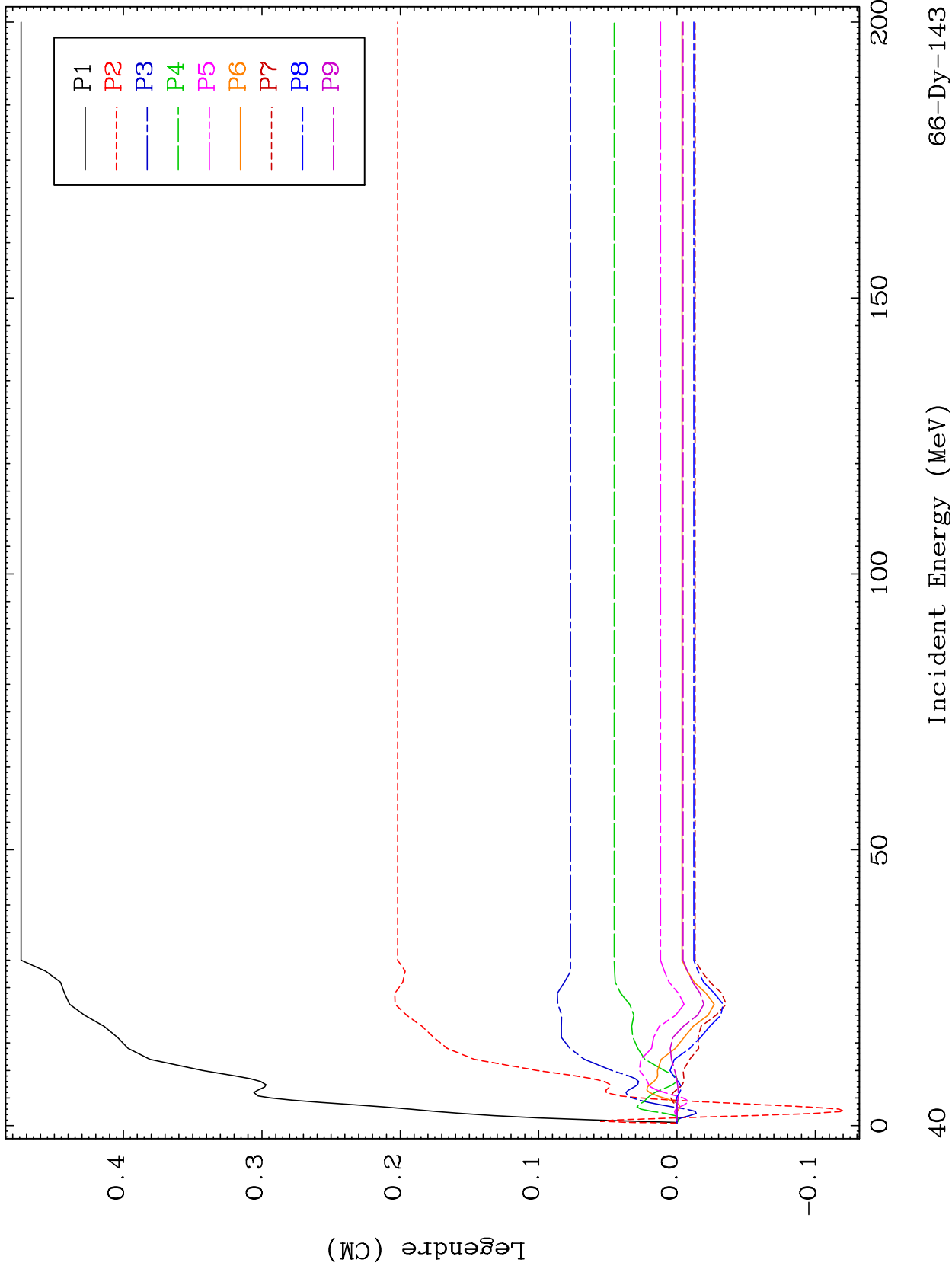
66-Dy-143



MAT 6586

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

66-Dy-143



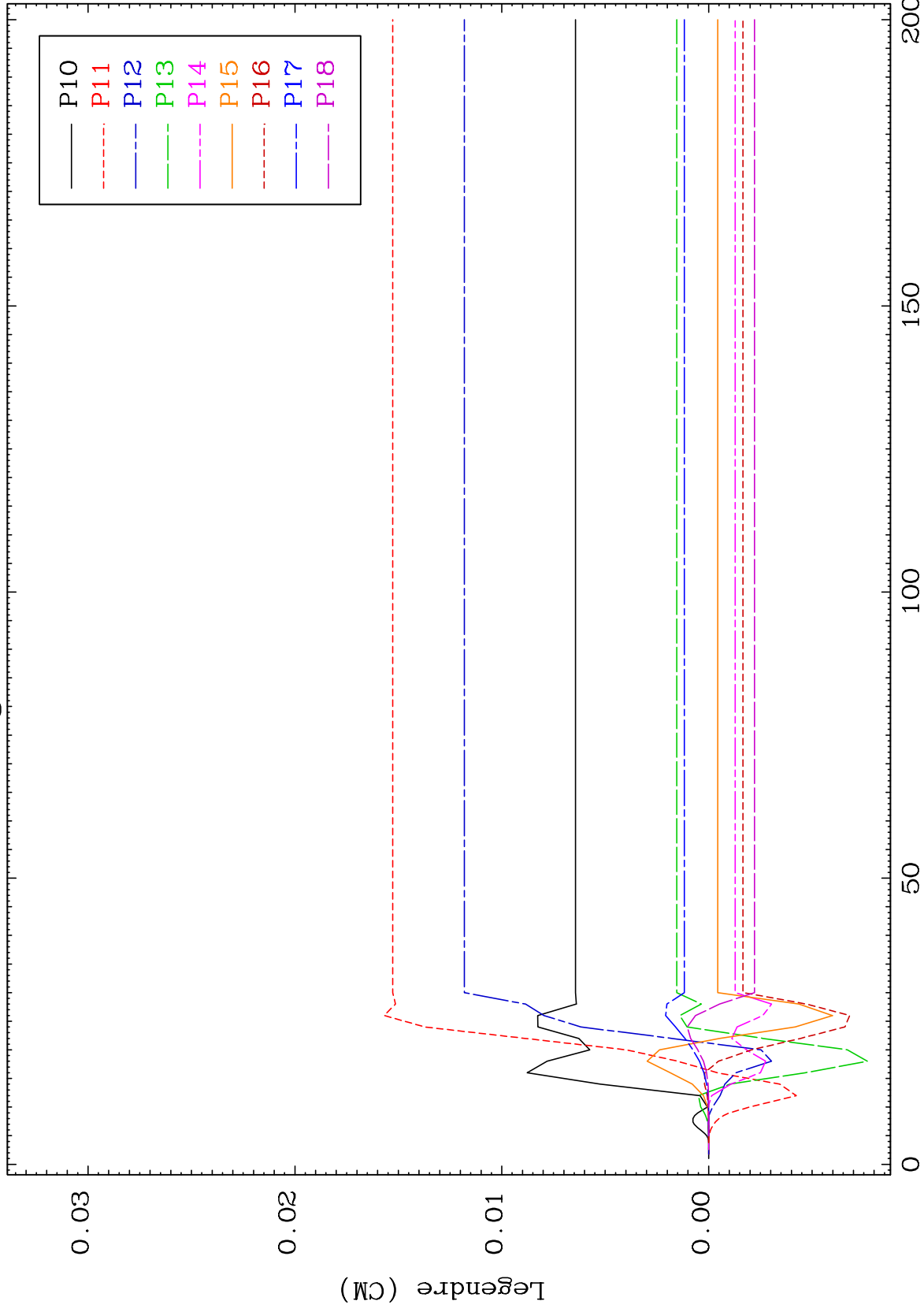
66-Dy-143

Incident Energy (MeV)

MAT 6586

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

66-Dy-143



41

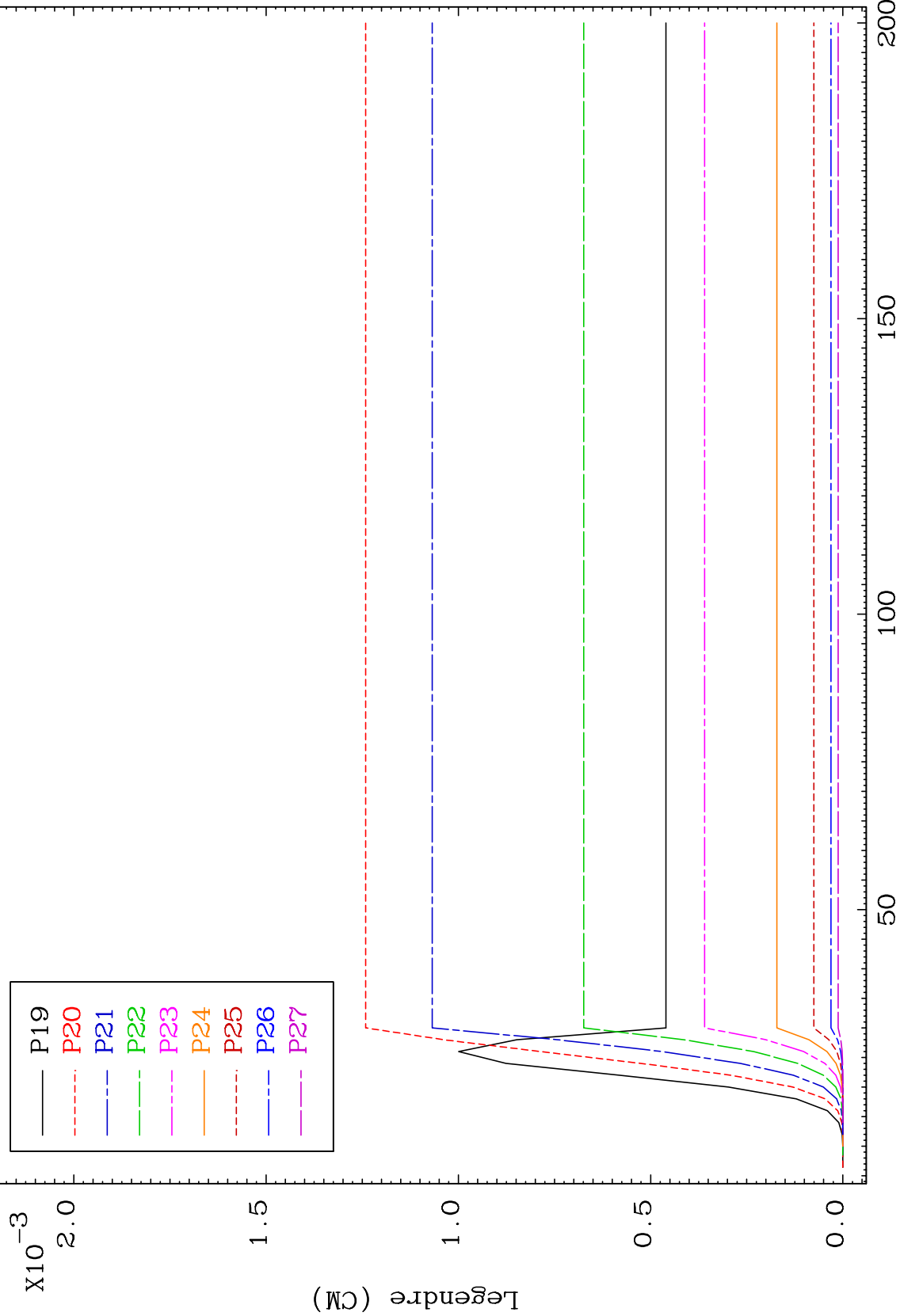
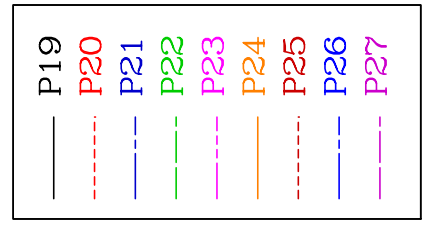
Incident Energy (MeV)

66-Dy-143

MAT 6586

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

66-Dy-143



42

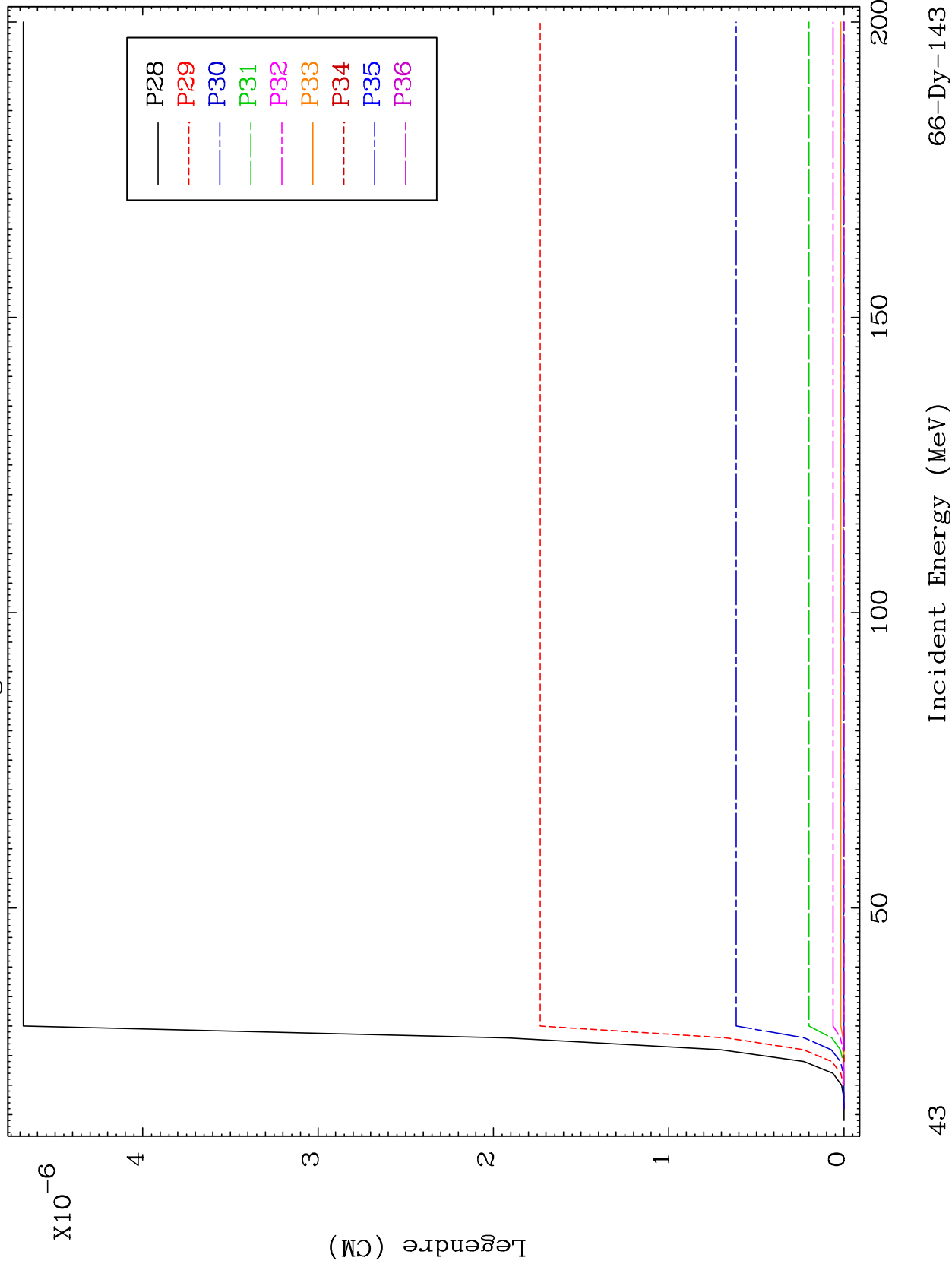
Incident Energy (MeV)

66-Dy-143

MAT 6586

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

66-Dy-143



43

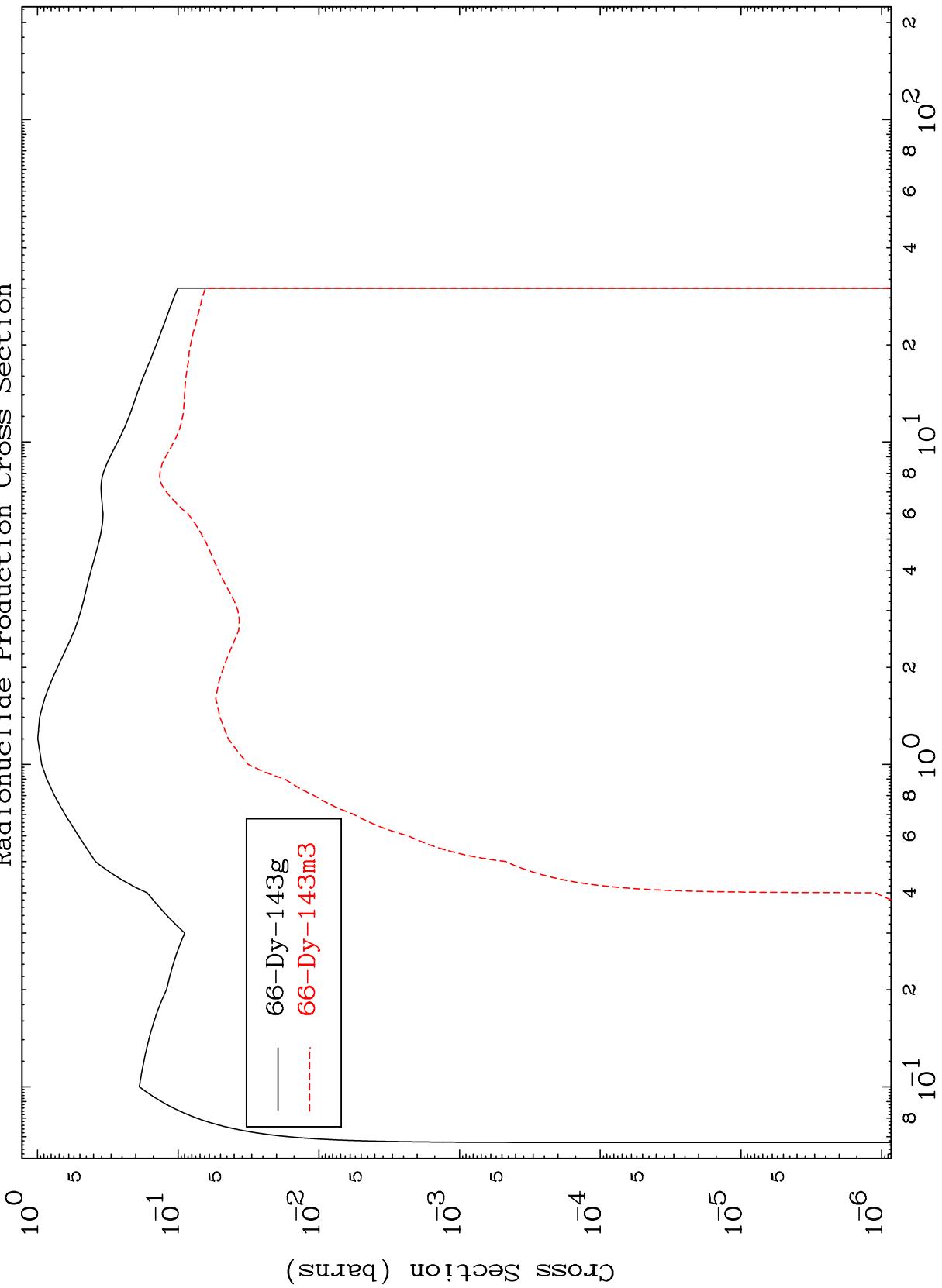
Incident Energy (MeV)

66-Dy-143

MAT 6586

66-Dy-143

### Inelastic Radionuclide Production Cross Section



44

Incident Energy (MeV)

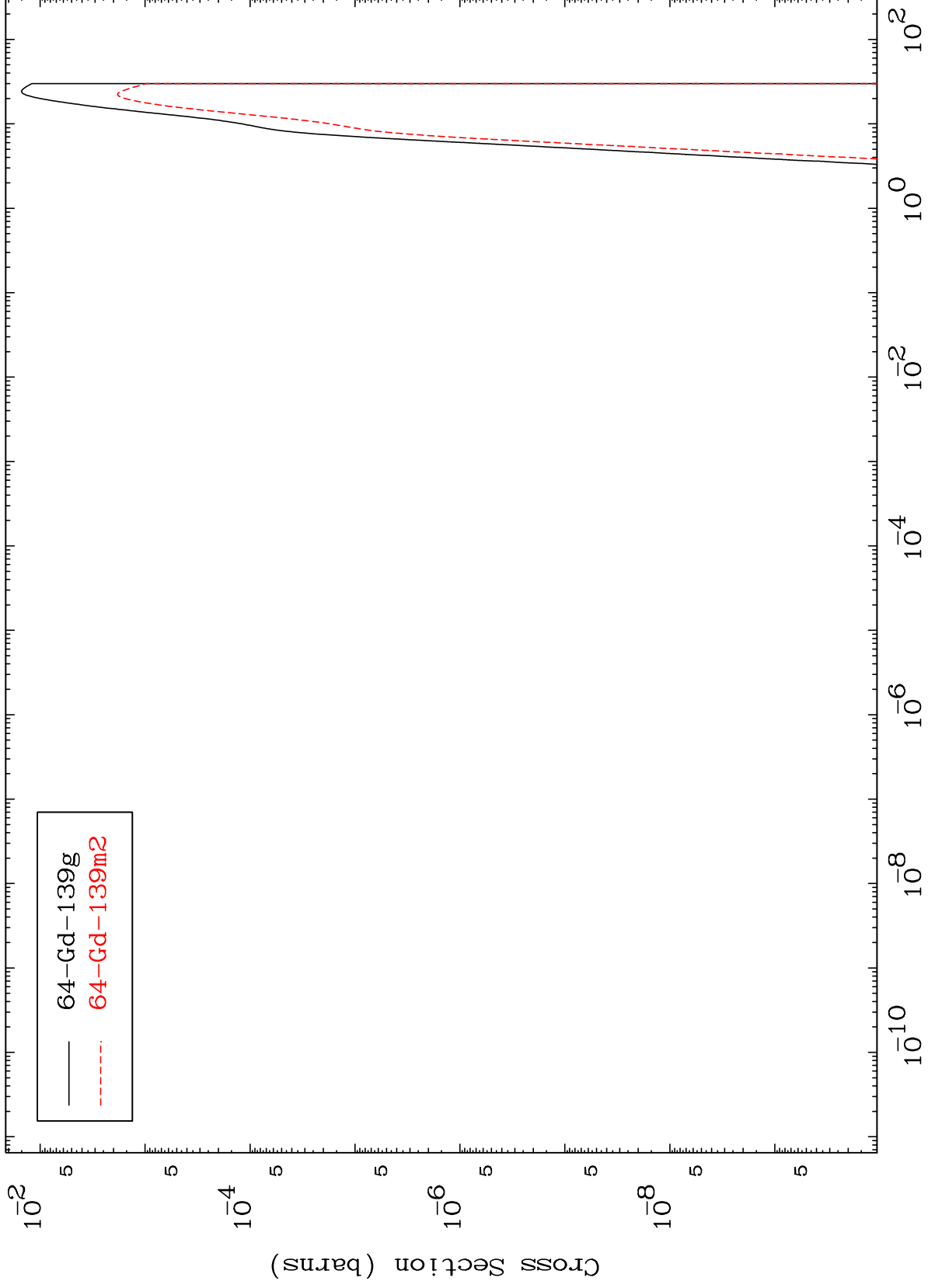
66-Dy-143

MAT 6586

$(n, n') \alpha$

66-Dy-143

Radionuclide Production Cross Section



45

Incident Energy (MeV)

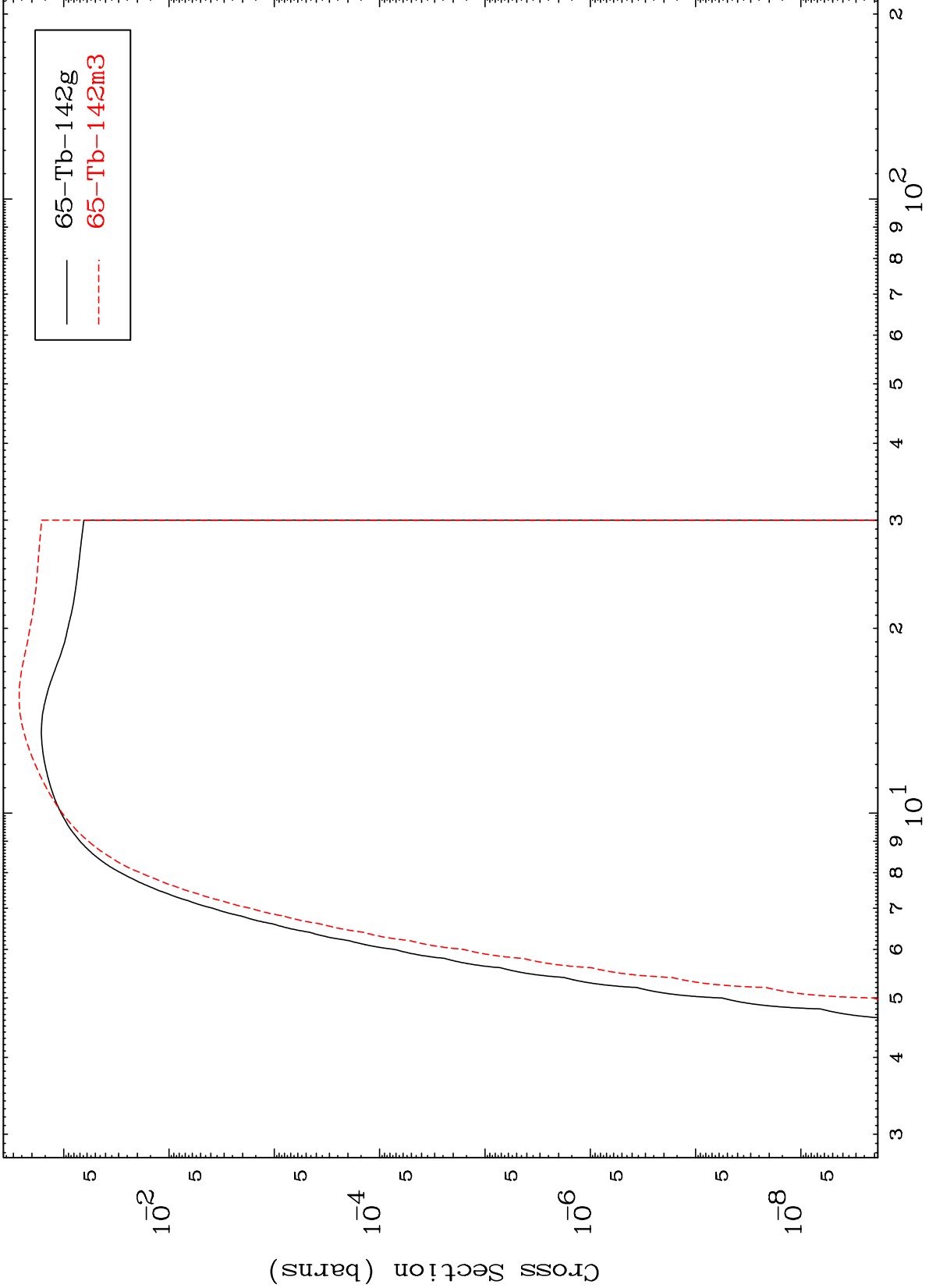
66-Dy-143

MAT 6586

(n,n') p

66-Dy-143

Radionuclide Production Cross Section



46

Incident Energy (MeV)

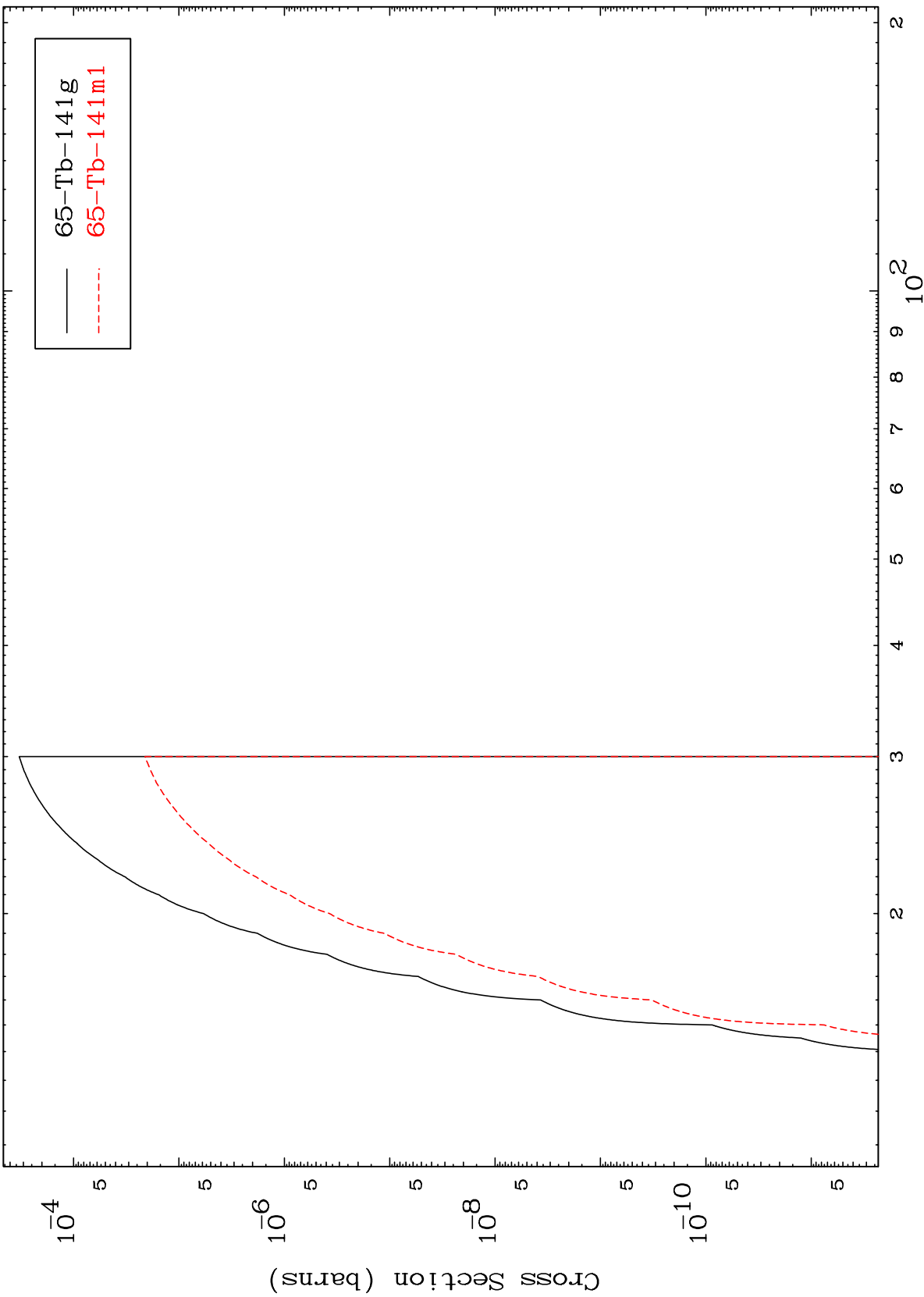
66-Dy-143

MAT 6586

(n,n') d

66-Dy-143

Radionuclide Production Cross Section



47

Incident Energy (MeV)

66-Dy-143

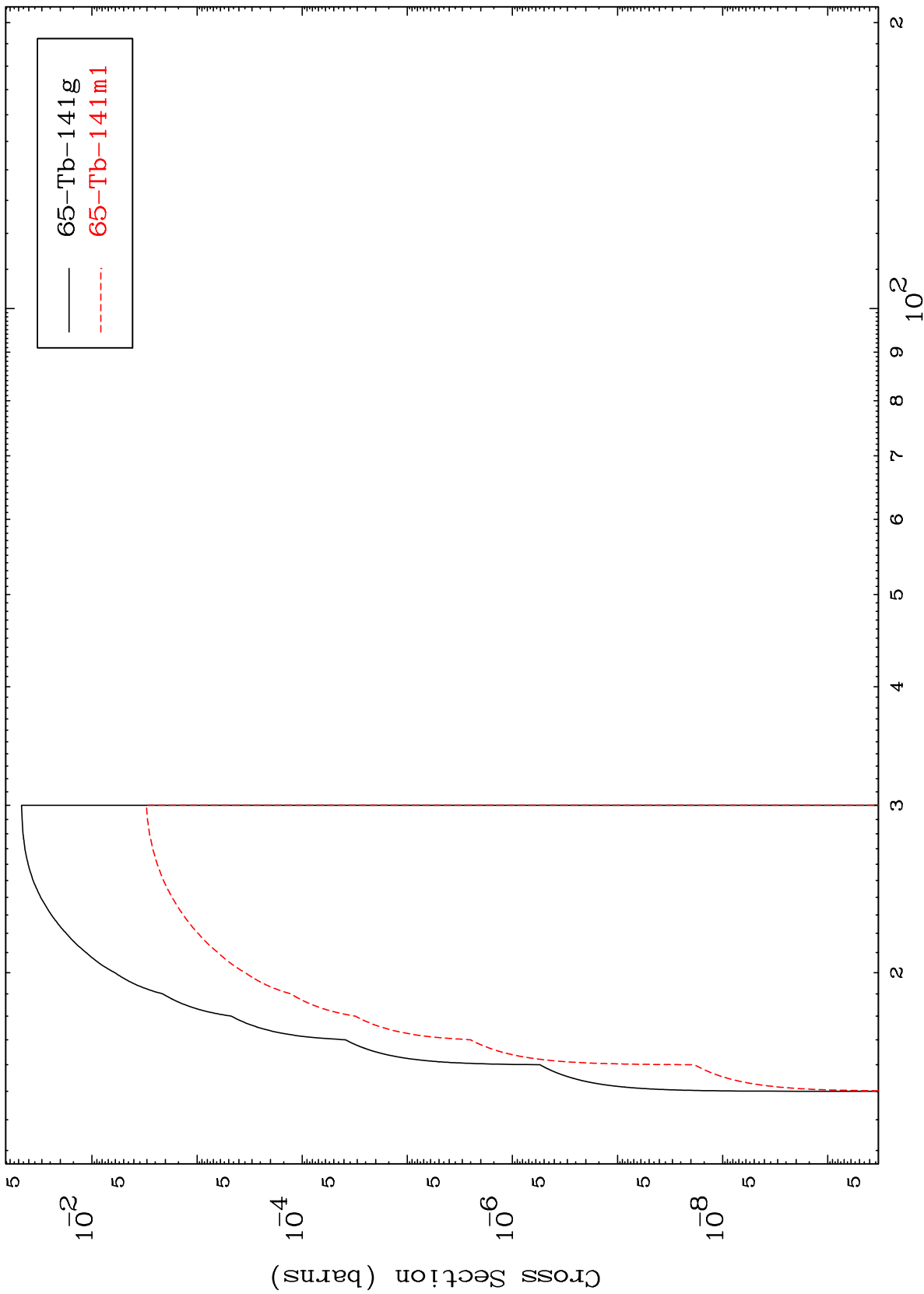


MAT 6586

(n,2n) p

66-Dy-143

Radionuclide Production Cross Section



48

Incident Energy (MeV)

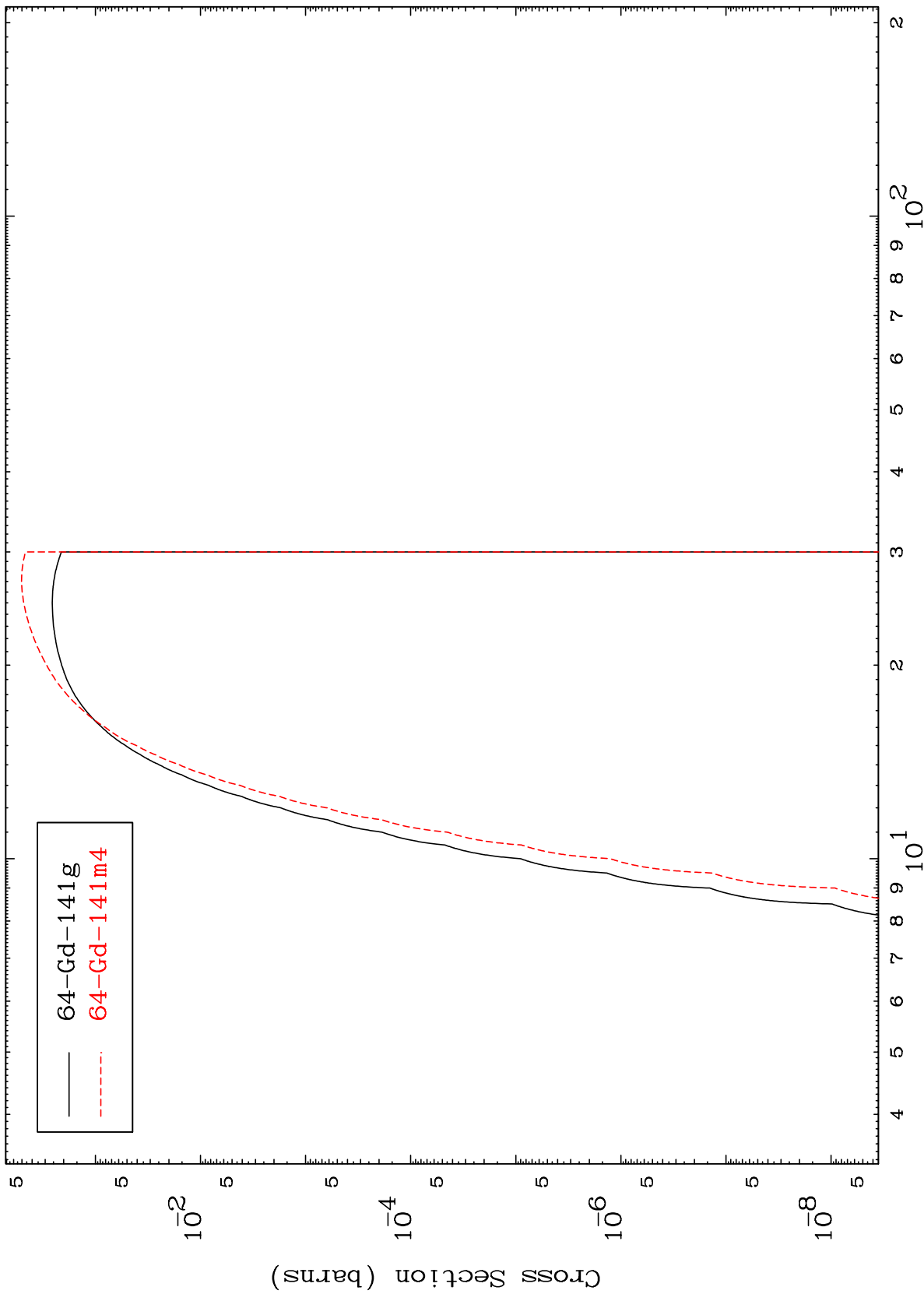
66-Dy-143

MAT 6586

(n,2n) p

66-Dy-143

Radionuclide Production Cross Section



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

49

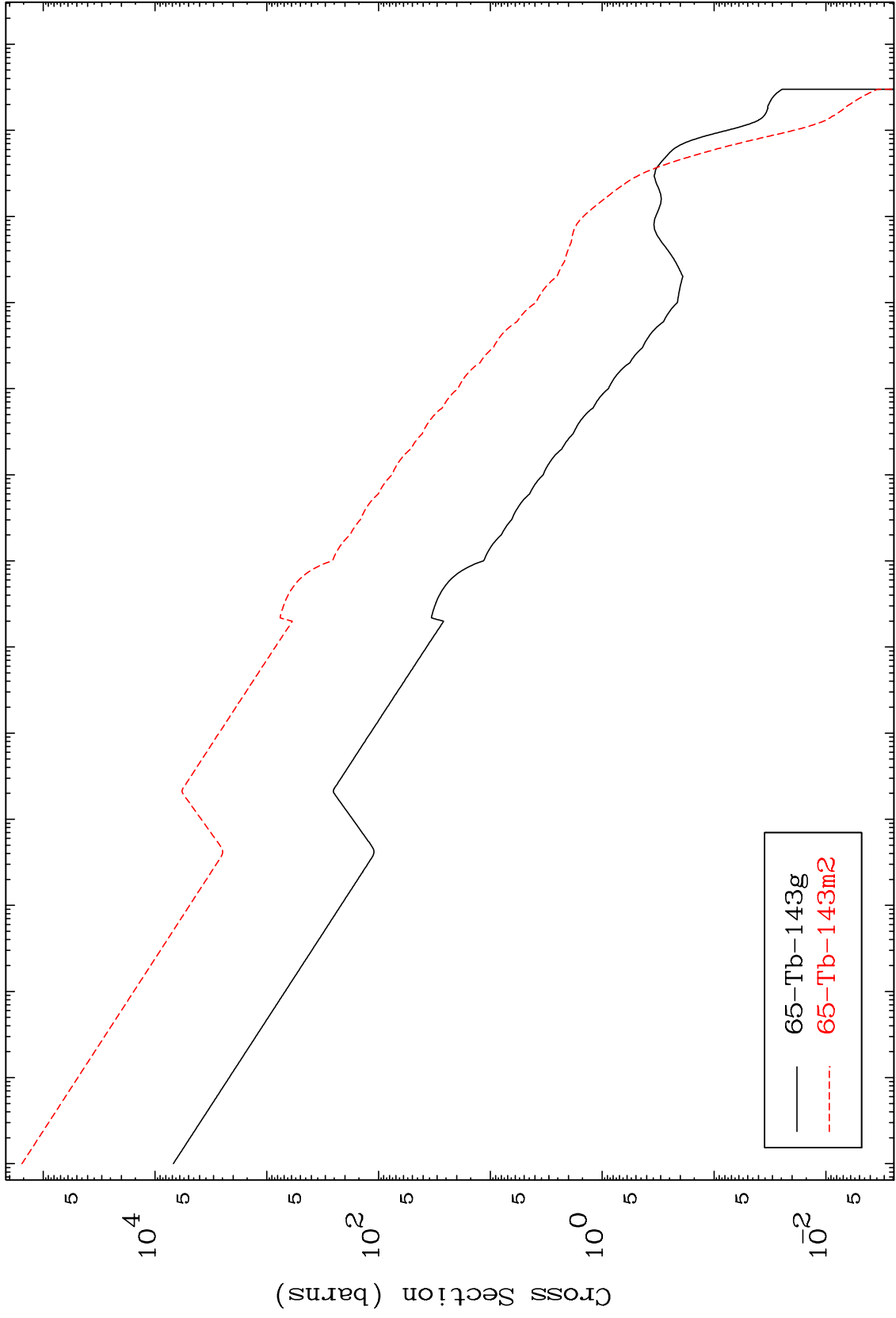
Incident Energy (MeV)

66-Dy-143

MAT 6586

66-Dy-143

(n,p)  
Radionuclide Production Cross Section



50

66-Dy-143

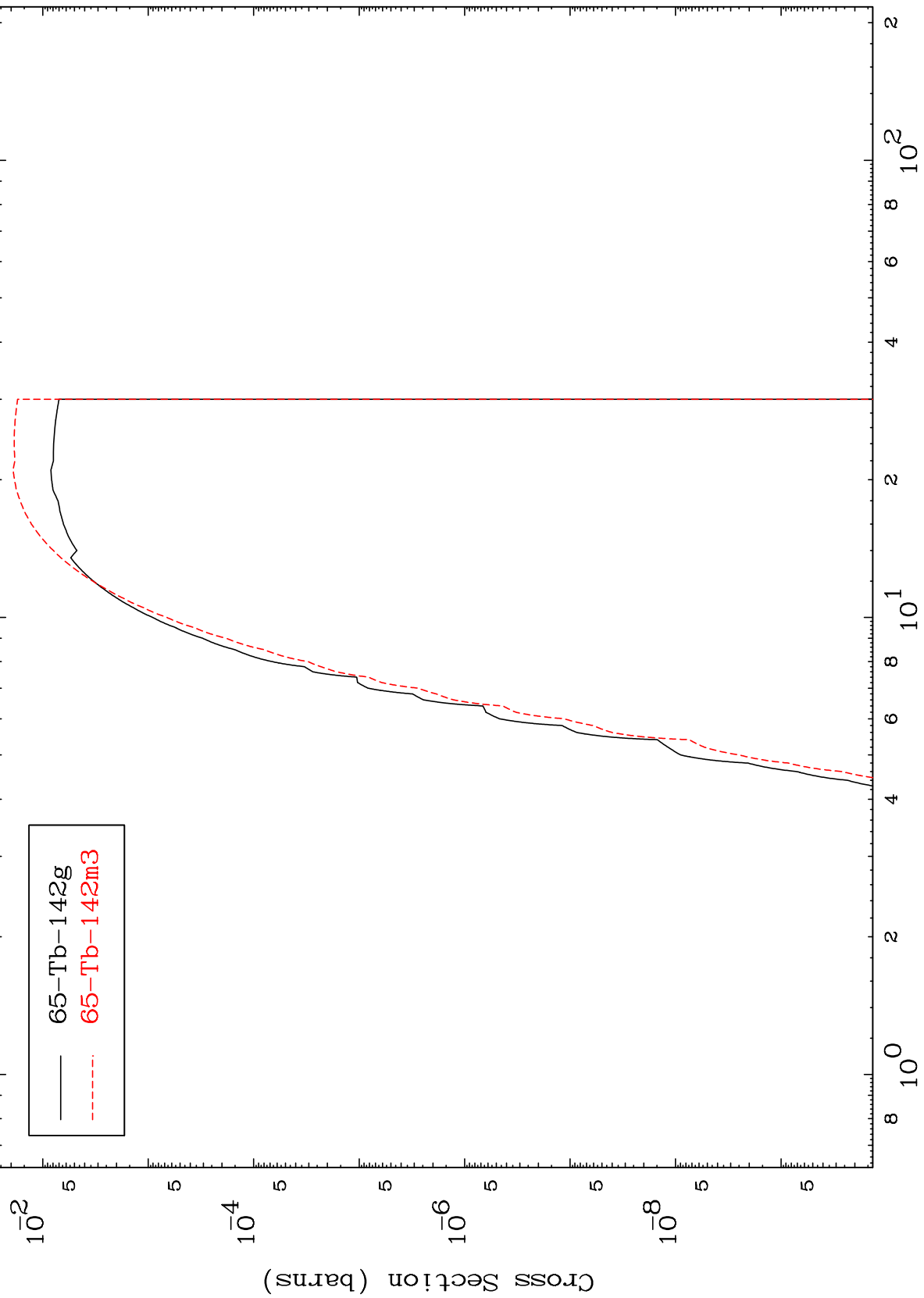
Incident Energy (MeV)

MAT 6586

(n,d)

66-Dy-143

Radionuclide Production Cross Section



51

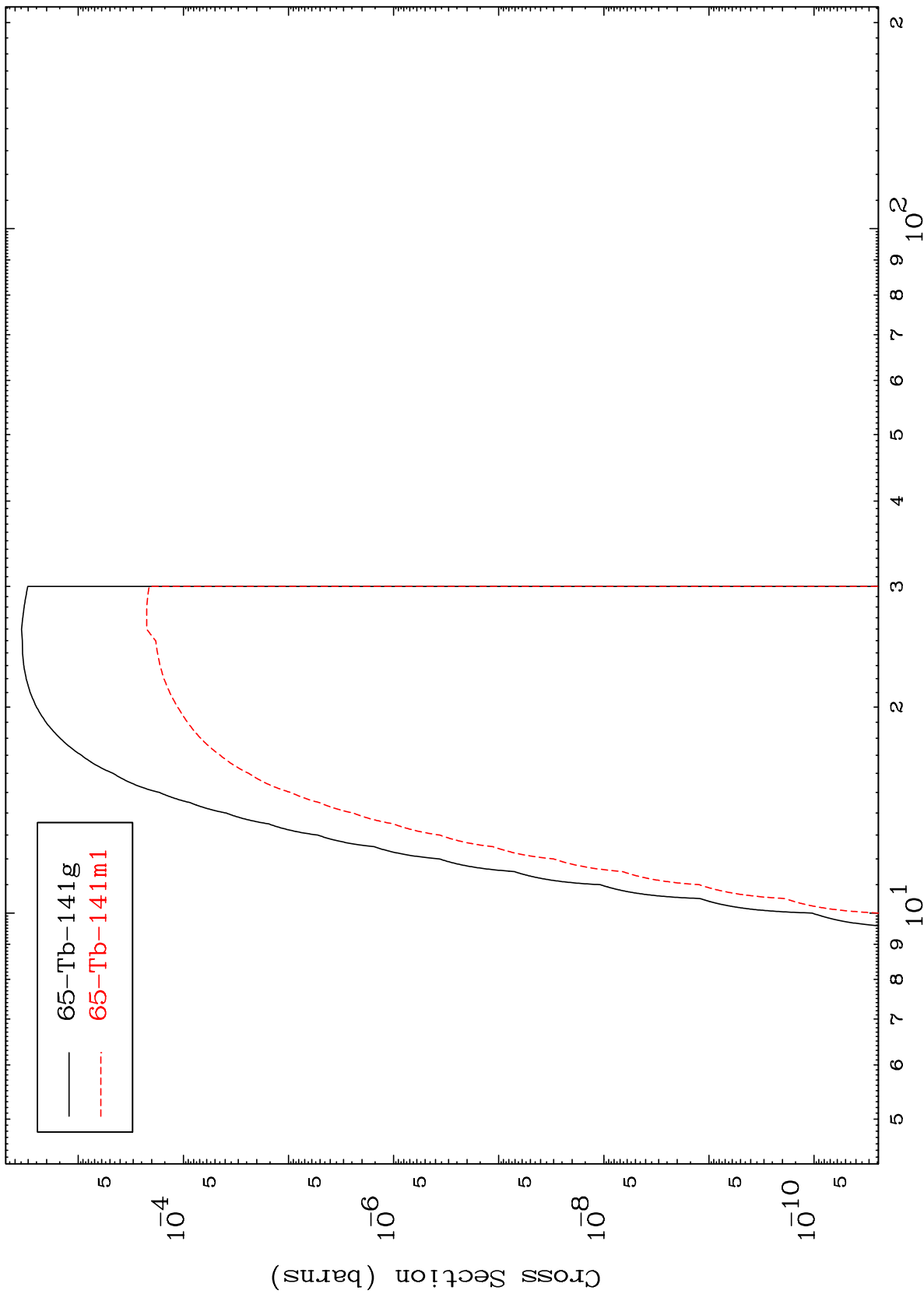
Incident Energy (MeV)

66-Dy-143

MAT 6586

66-Dy-143

(n, t)  
Radionuclide Production Cross Section



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

52

Incident Energy (MeV)

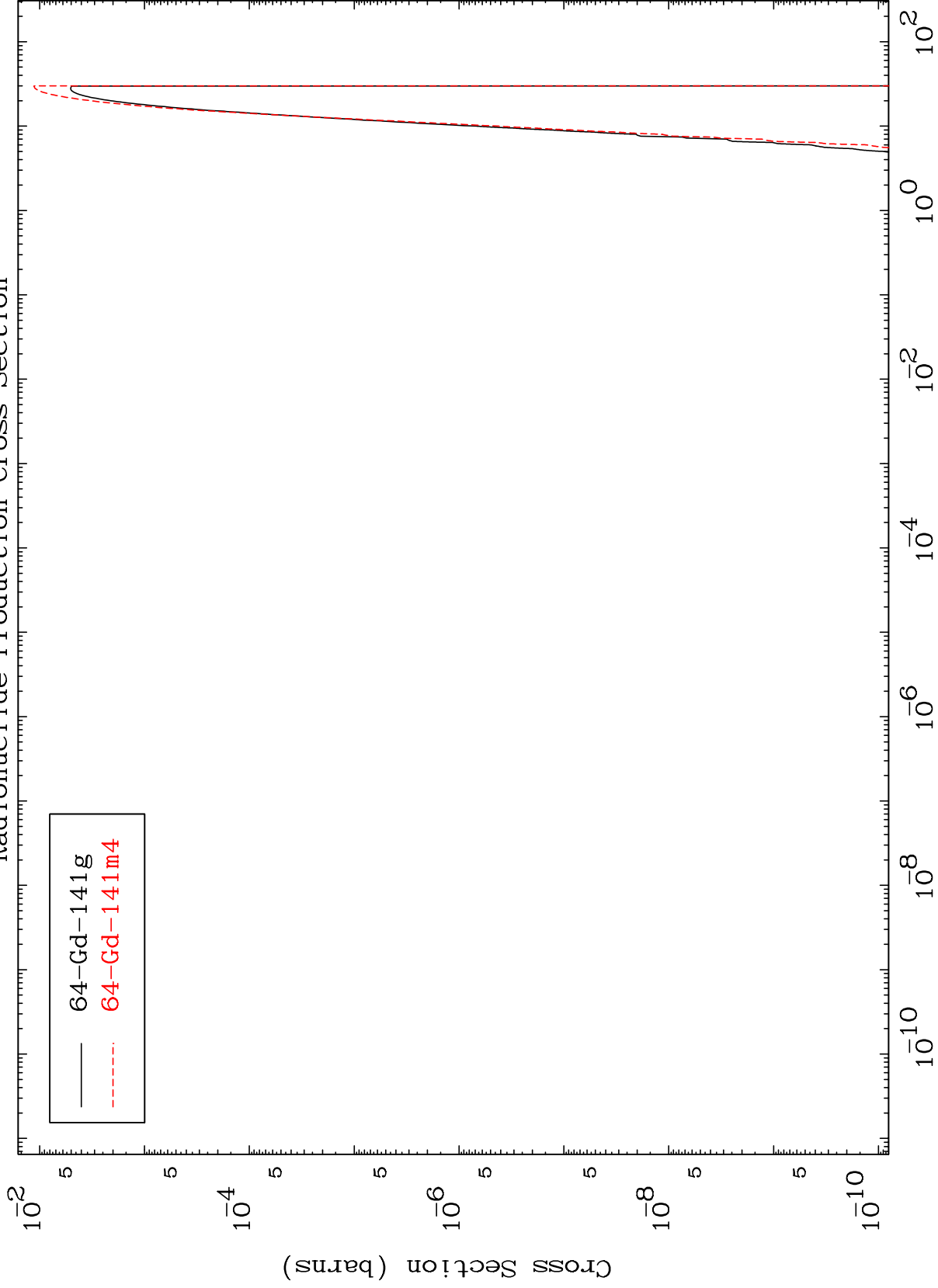
66-Dy-143

MAT 6586

(n,He-3)

66-Dy-143

Radionuclide Production Cross Section



53

Incident Energy (MeV)

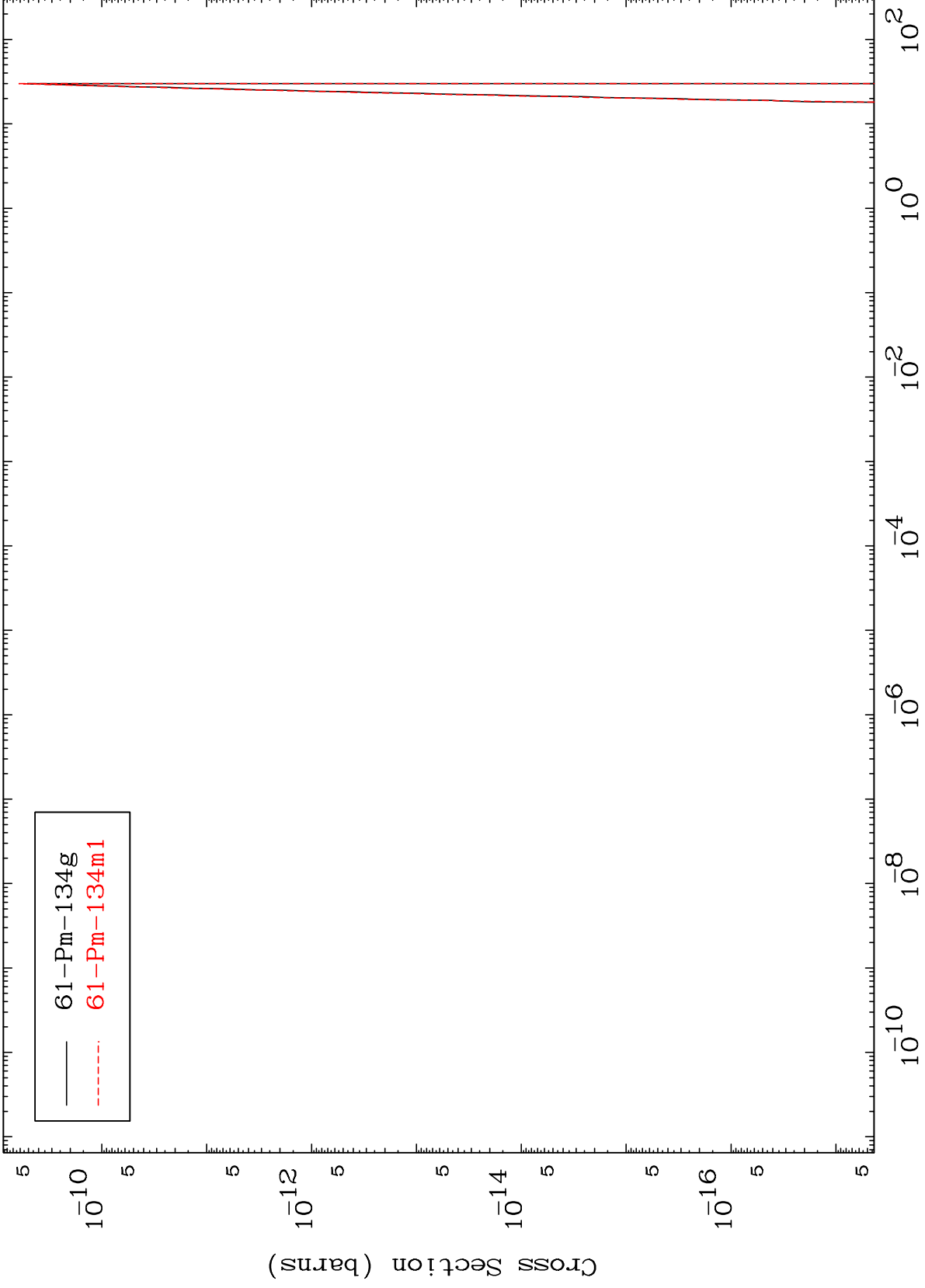
66-Dy-143

MAT 6586

(n,d) 2 $\alpha$

66-Dy-143

Radionuclide Production Cross Section



54

Incident Energy (MeV)

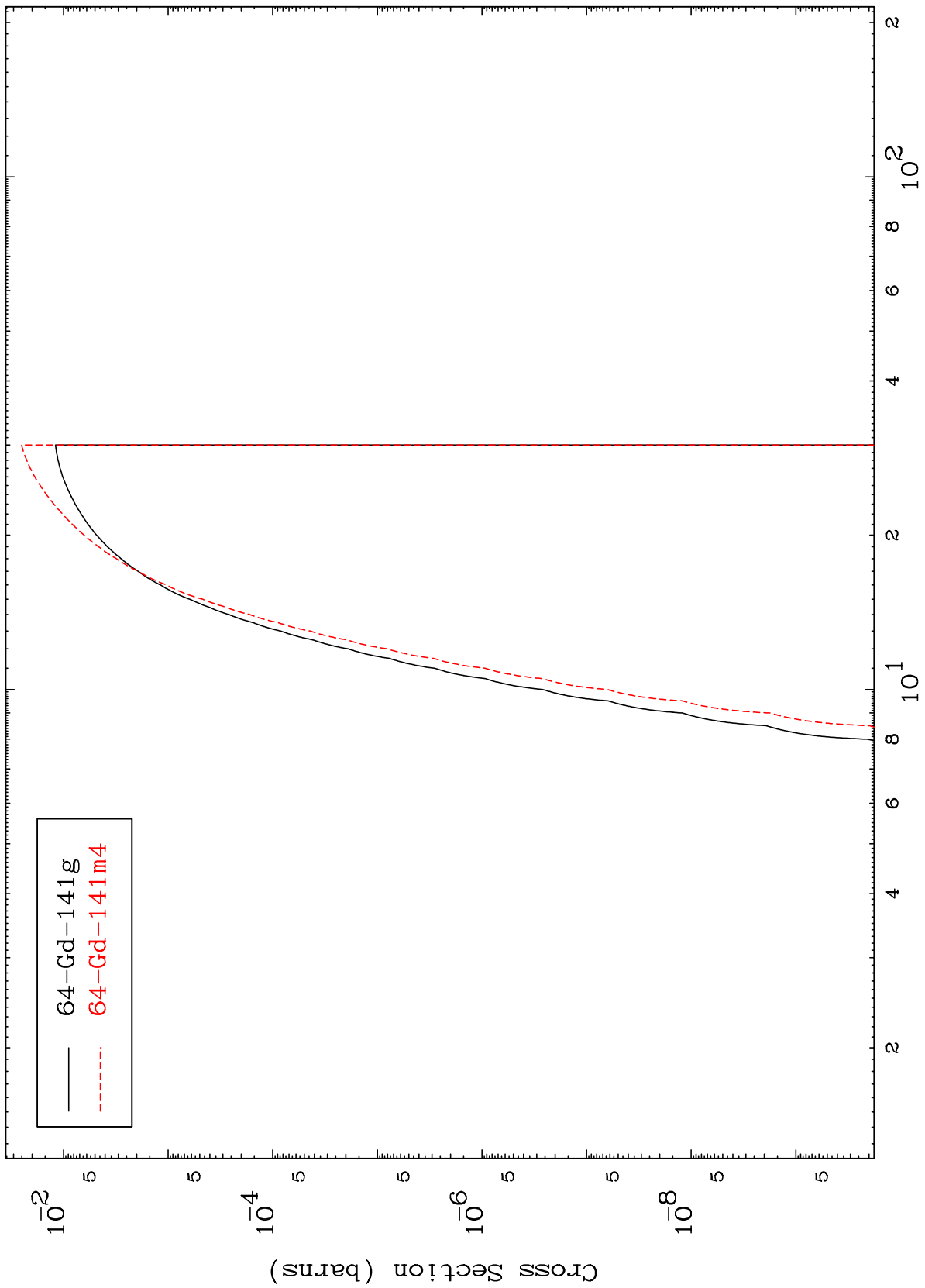
66-Dy-143

MAT 6586

(n,p) d

66-Dy-143

Radionuclide Production Cross Section



55

Incident Energy (MeV)

66-Dy-143