

Program EVALPLOT  
(Version 2021-1)

by

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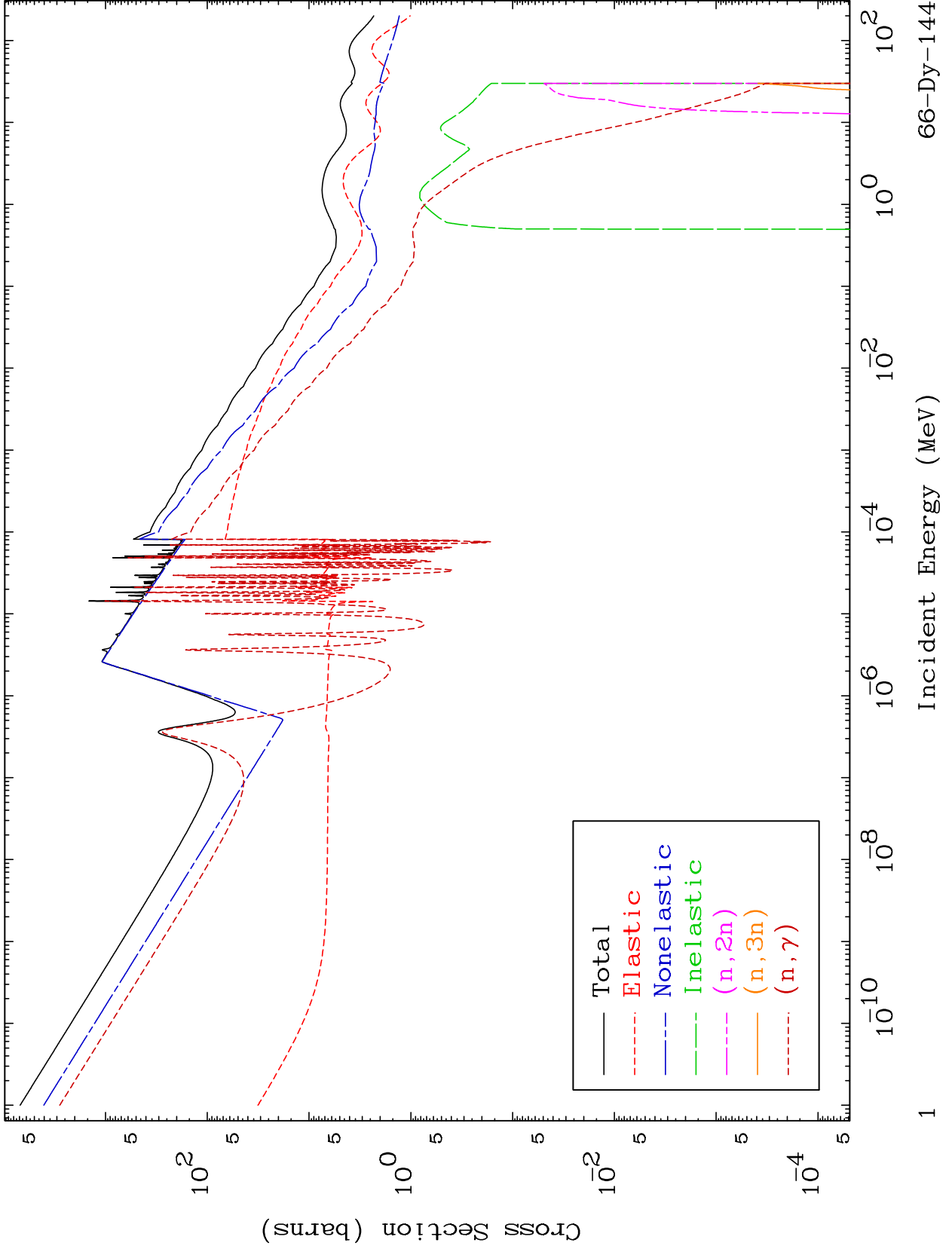
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Press Mouse Button to Start

MAT 6589

Neutron Major  
293 Kelvin Cross Sections

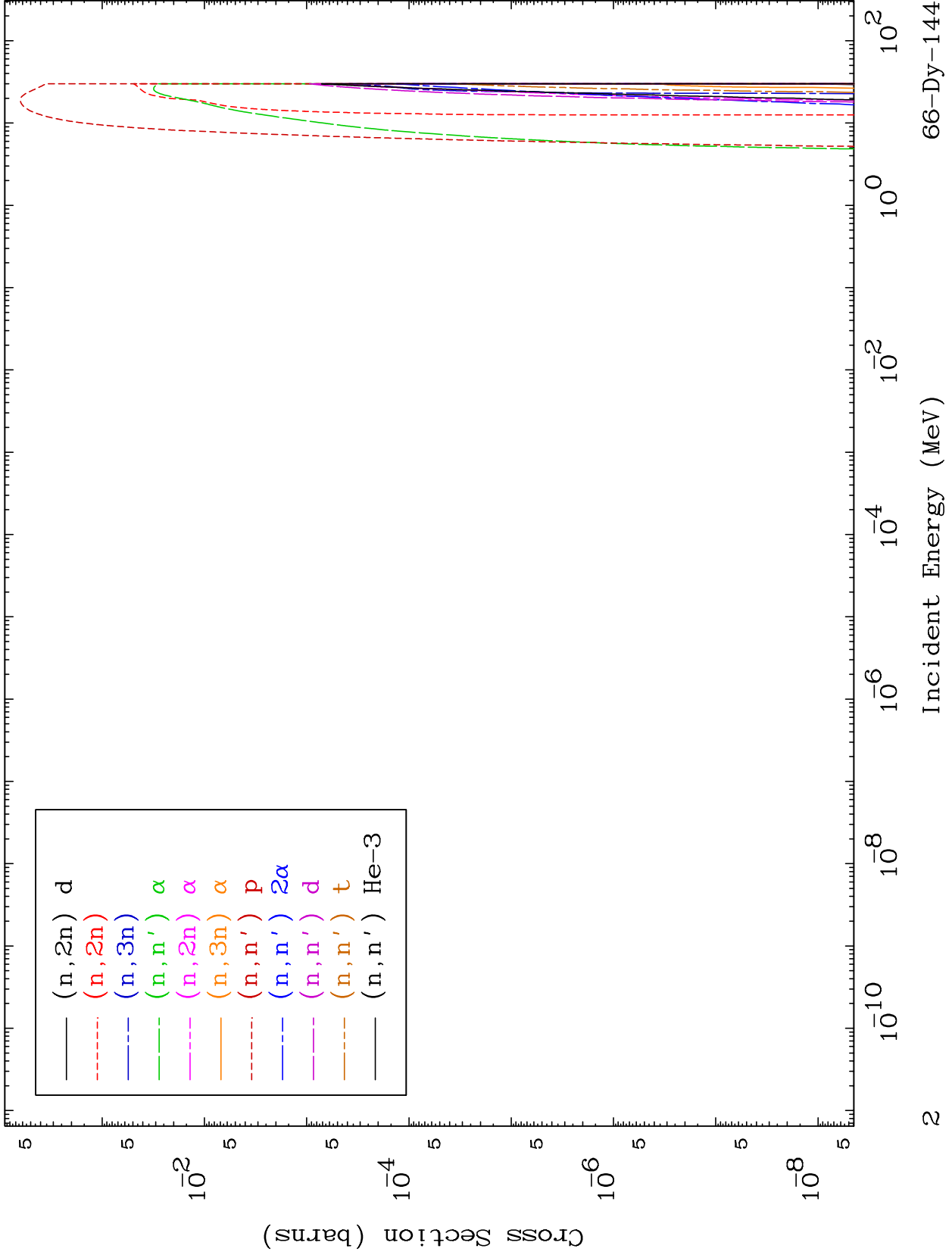
66-Dy-144



MAT 6589

Neutron Absorption  
293 Kelvin Cross Sections

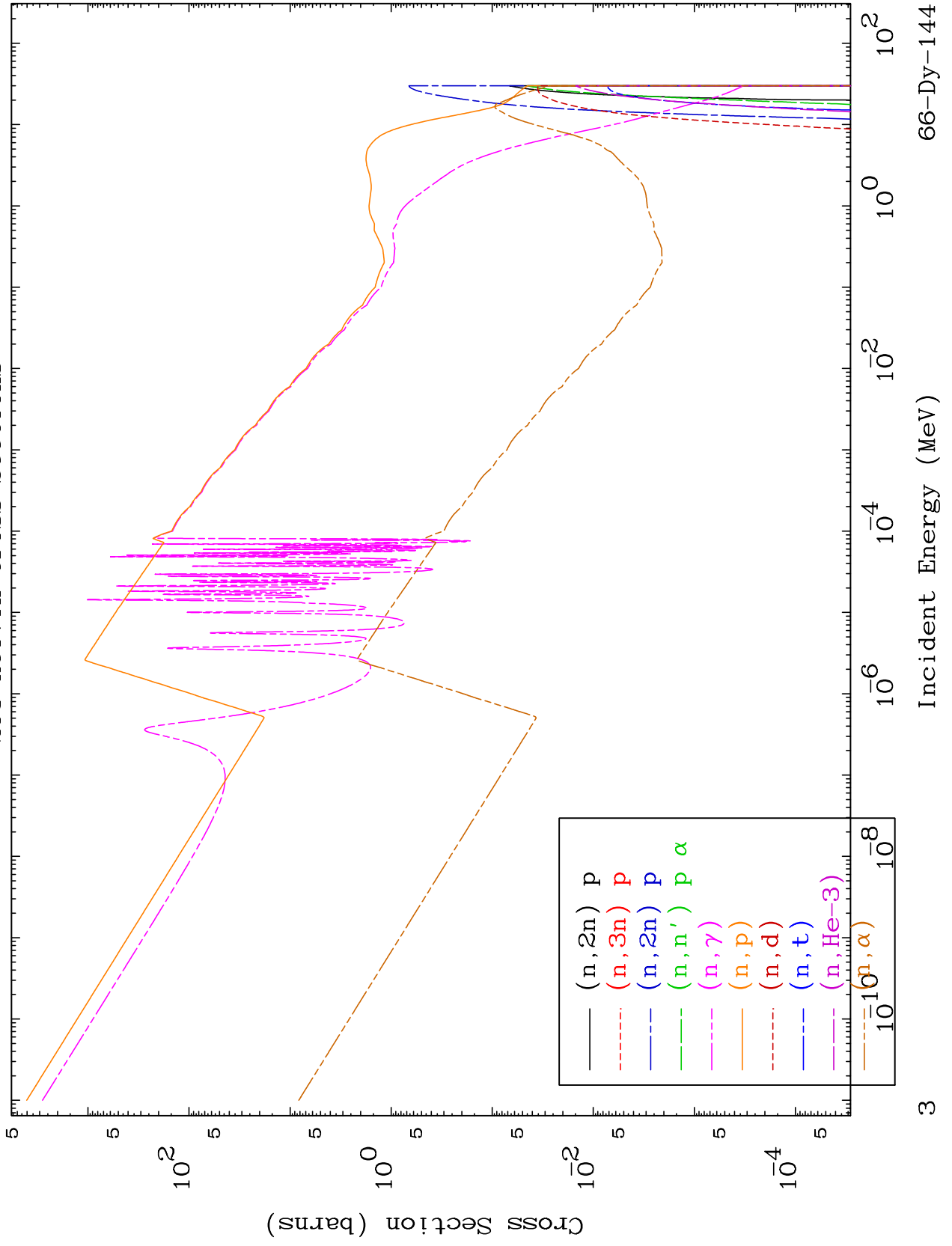
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MAT 6589

Neutron Absorption  
293 Kelvin Cross Sections

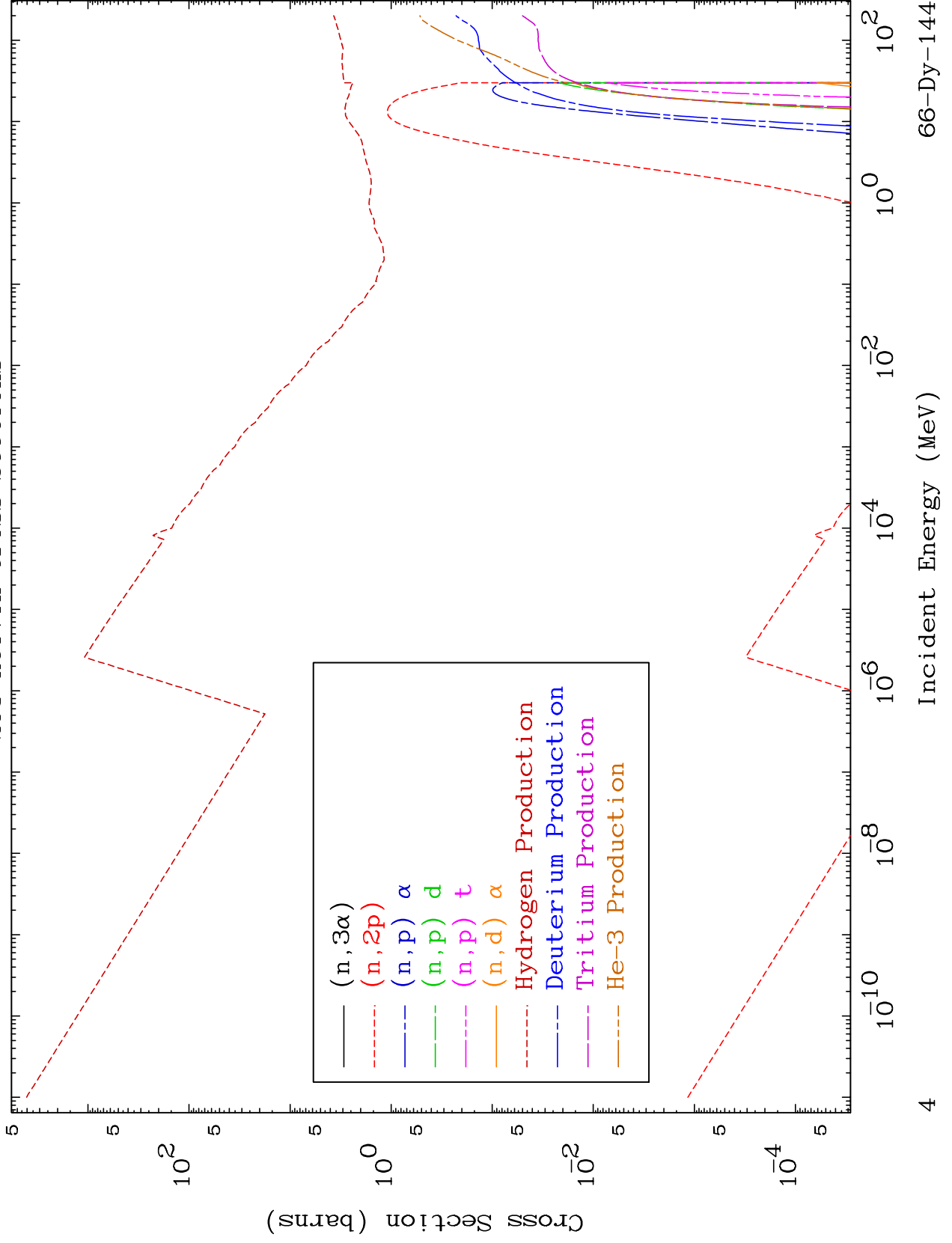
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MAT 6589

Neutron Absorption  
293 Kelvin Cross Sections

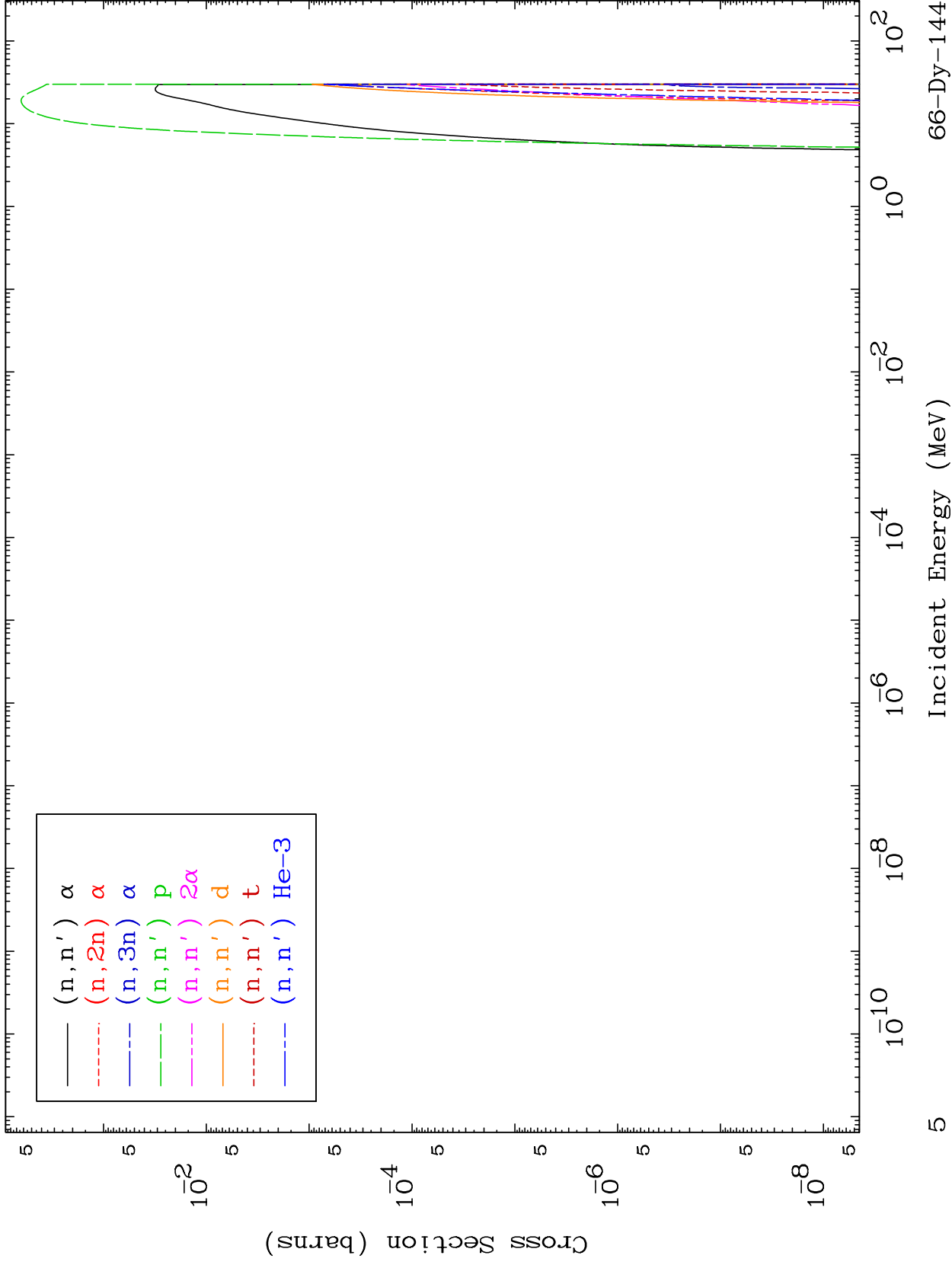
66-Dy-144



MAT 6589

Charged Particle  
293 Kelvin Cross Sections

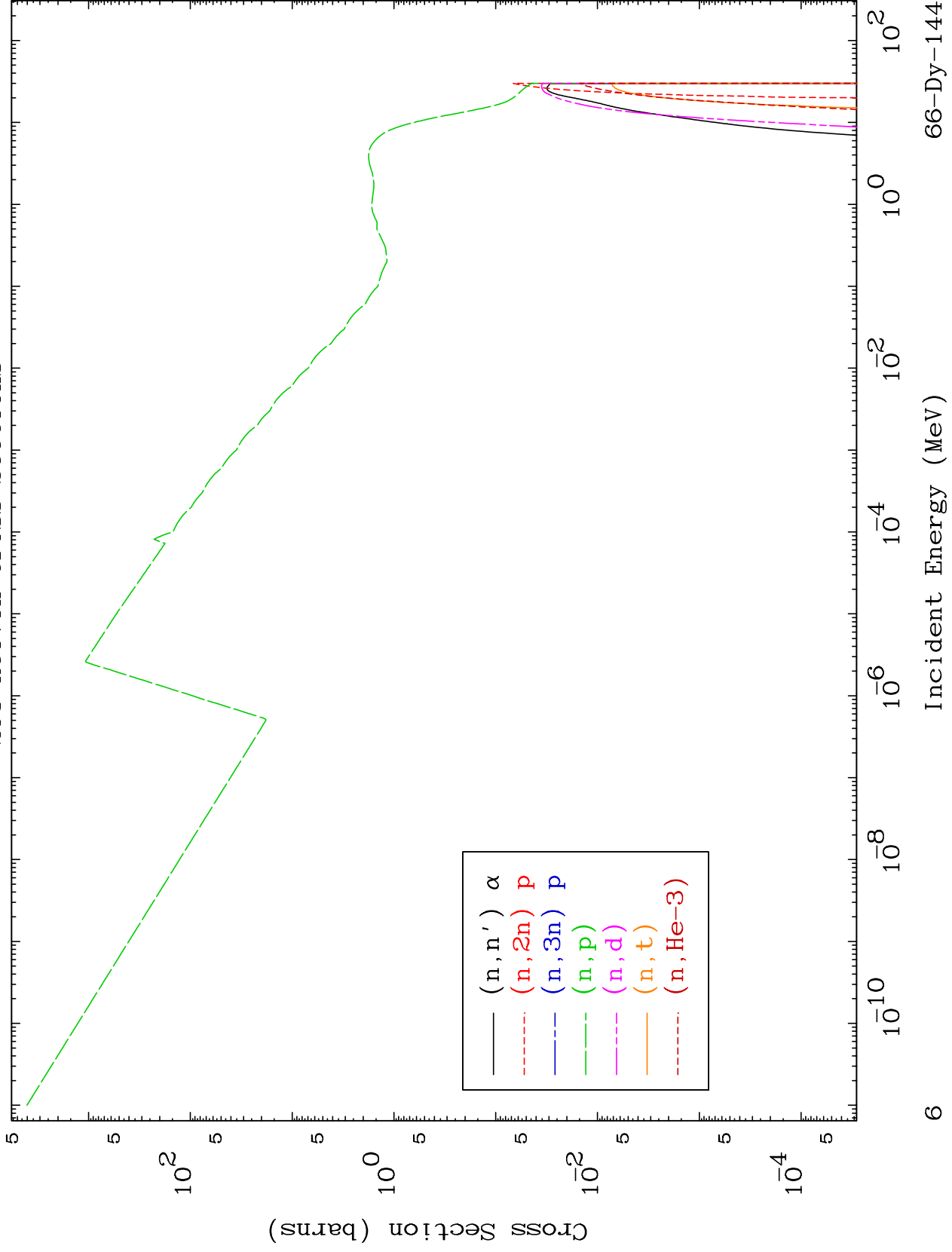
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MAT 6589

Charged Particle  
293 Kelvin Cross Sections

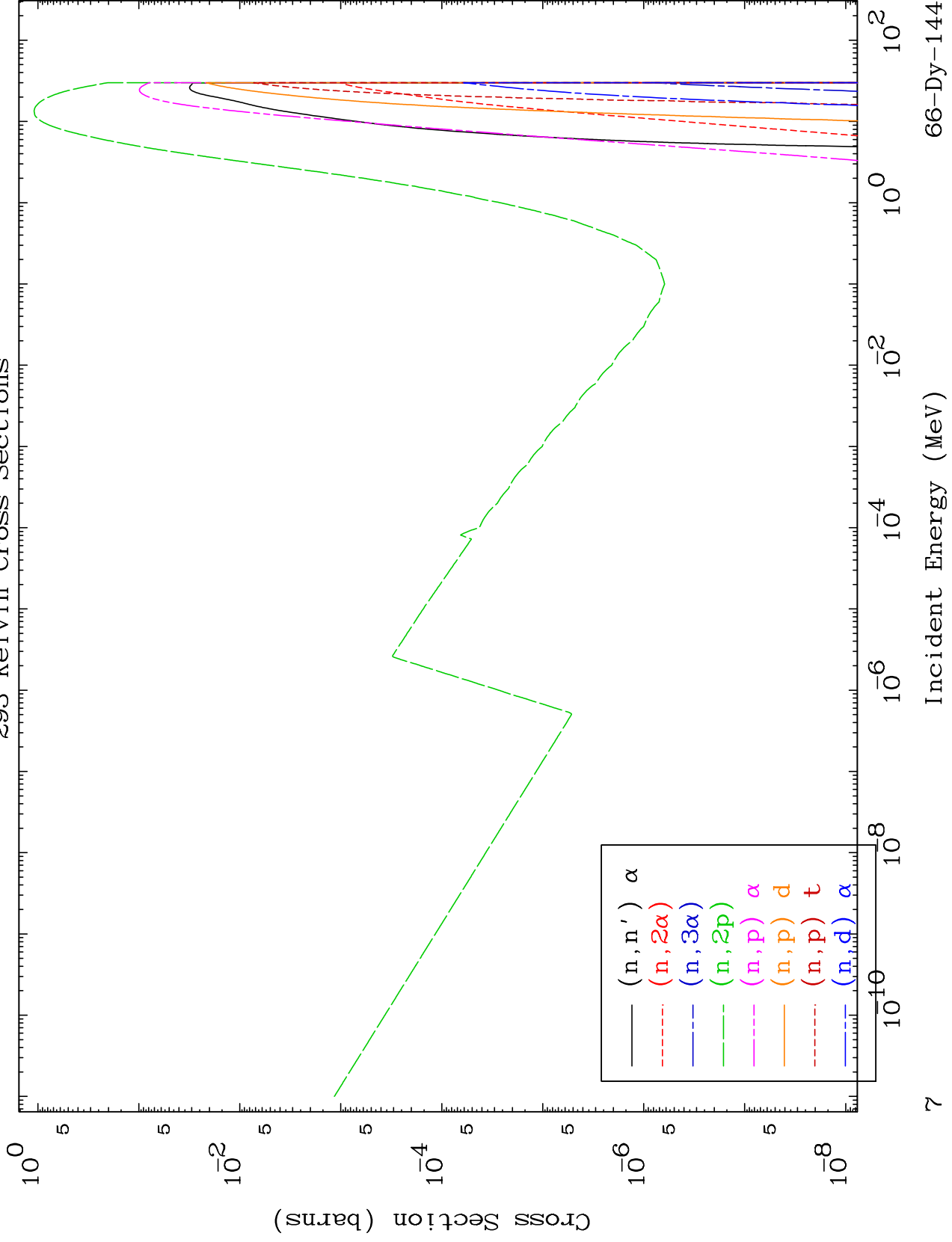
66-Dy-144



MAT 6589

Charged Particle  
293 Kelvin Cross Sections

66-Dy-144

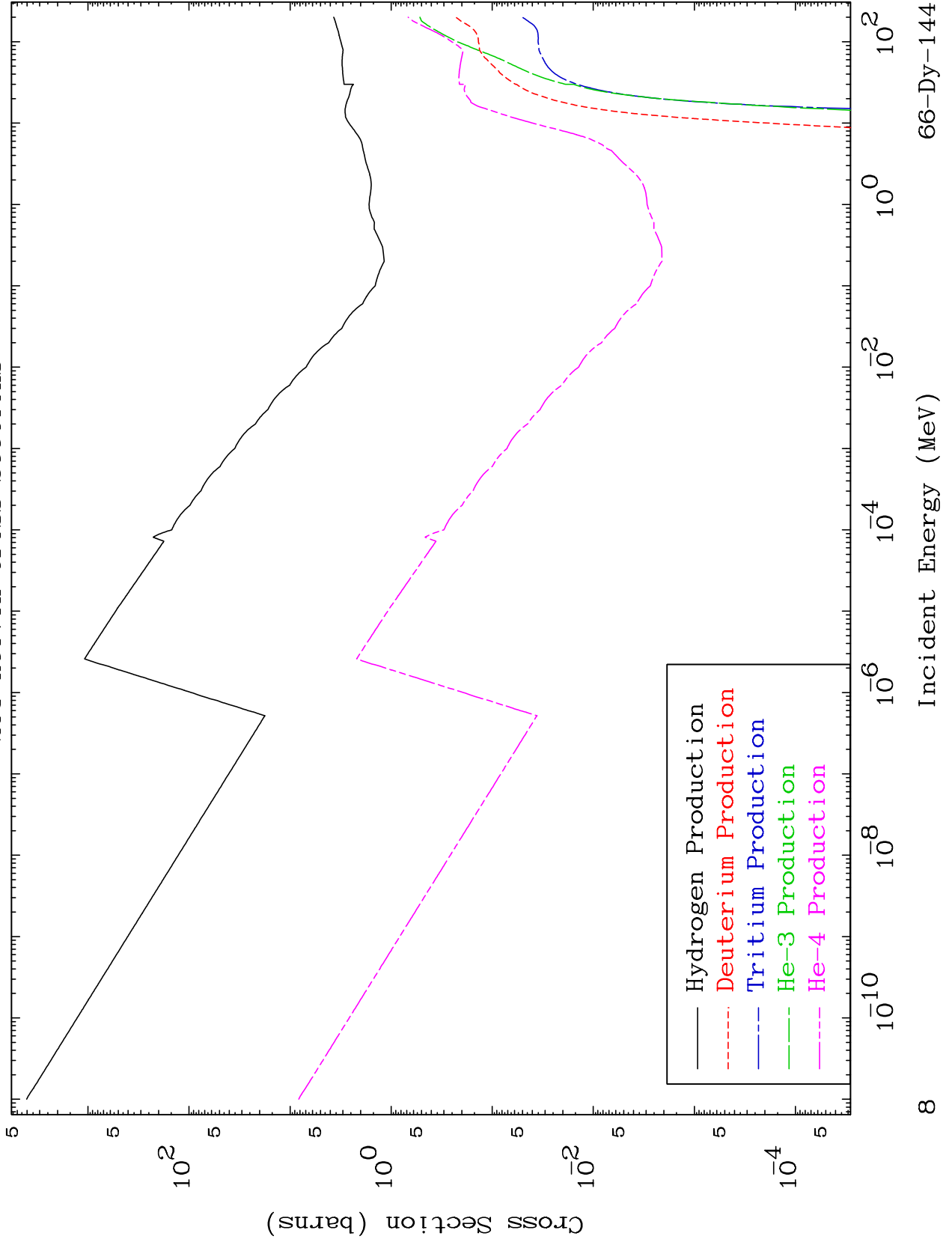


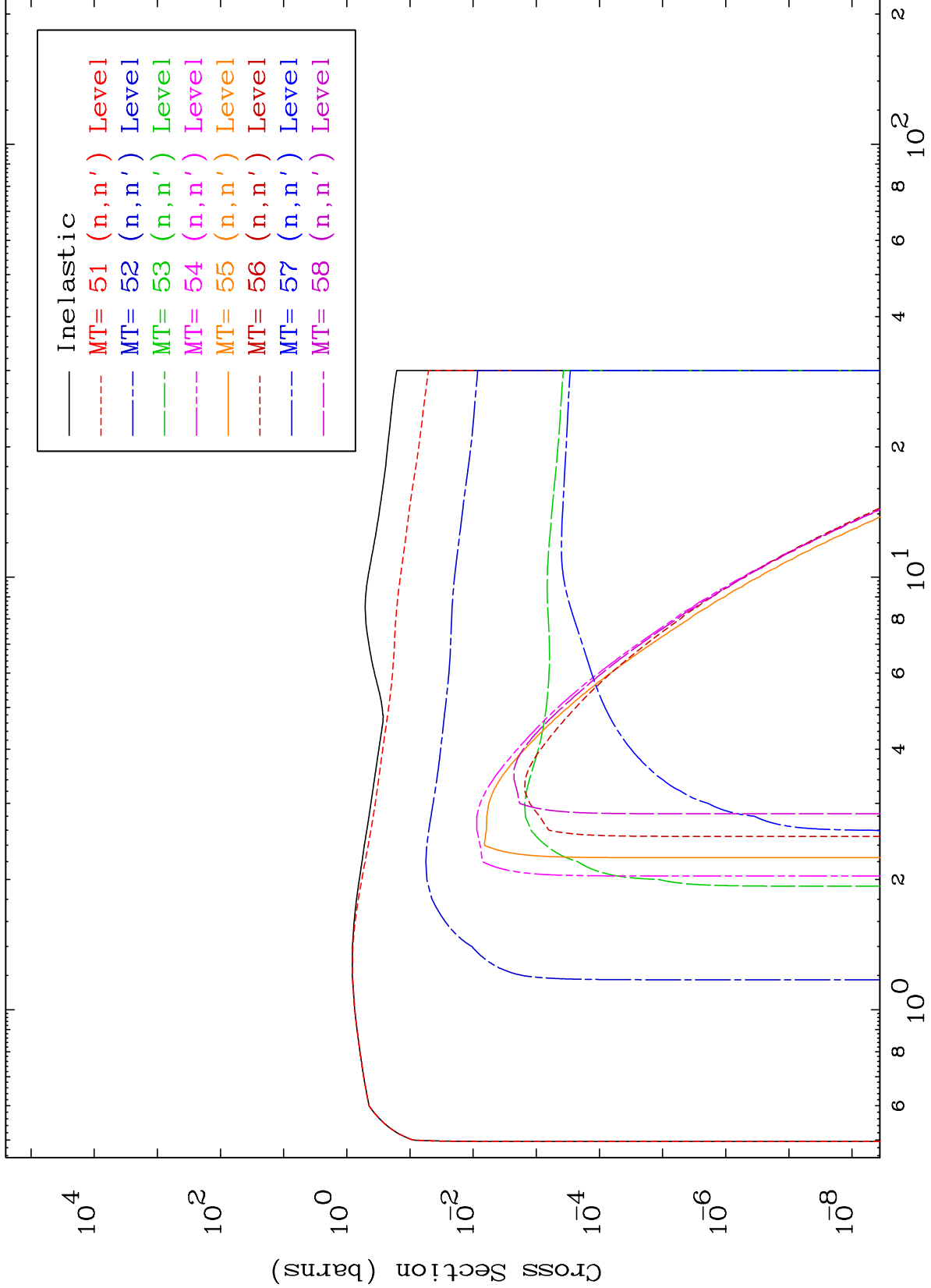


MAT 6589

Particle Production  
293 Kelvin Cross Sections

66-Dy-144



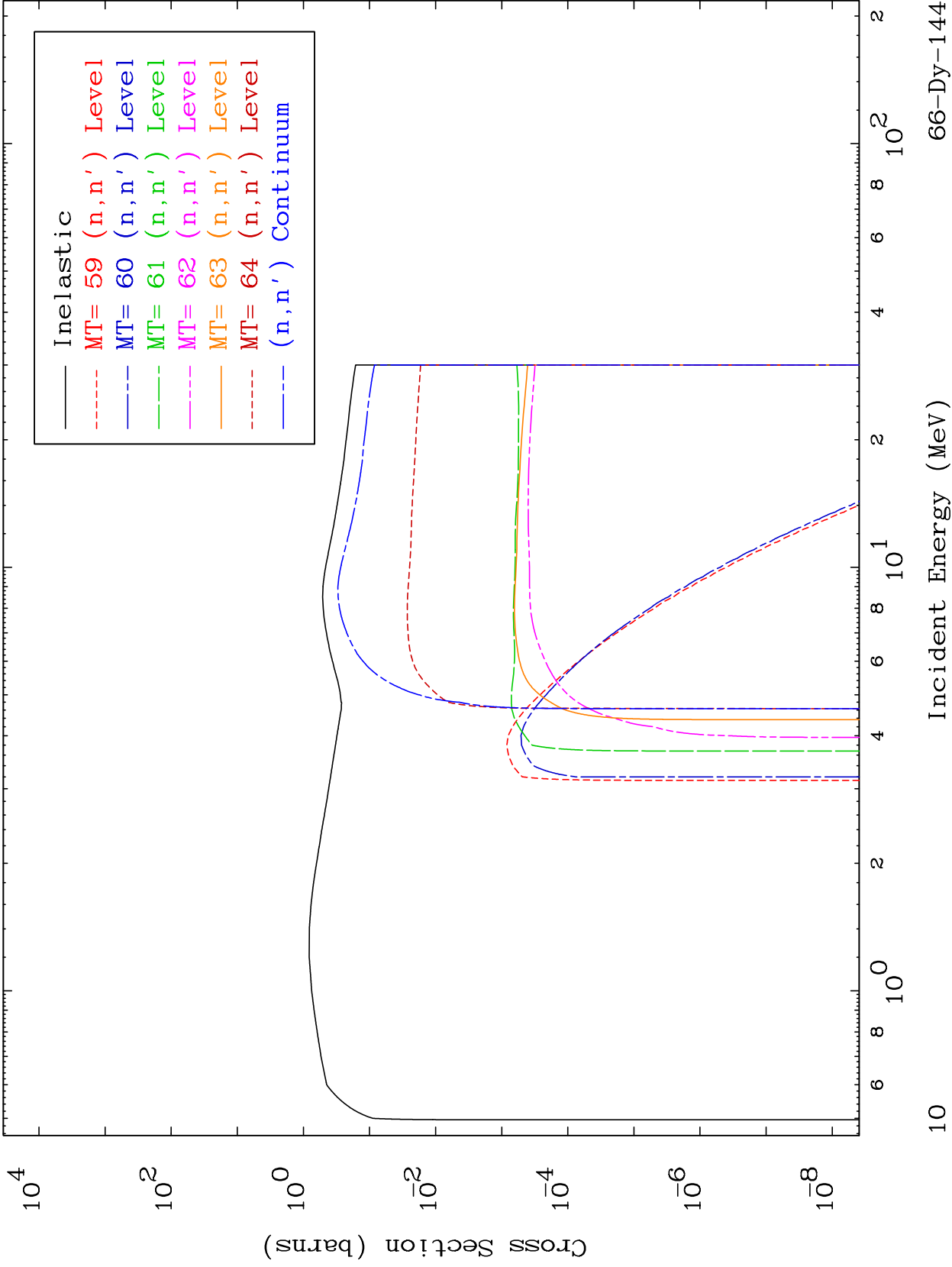


MAT 6589

(n,n') Levels

66-Dy-144

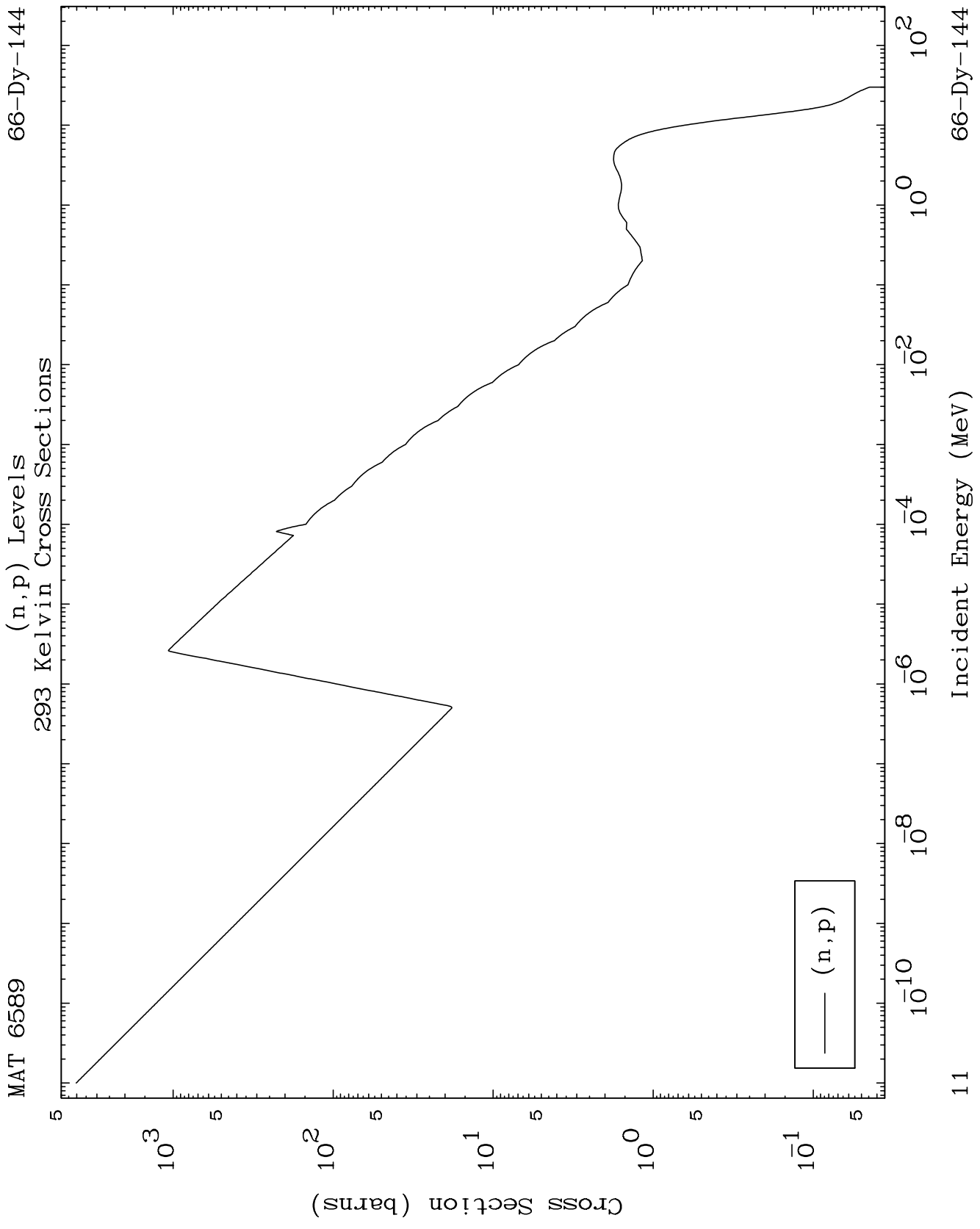
293 Kelvin Cross Sections



10

Incident Energy (MeV)

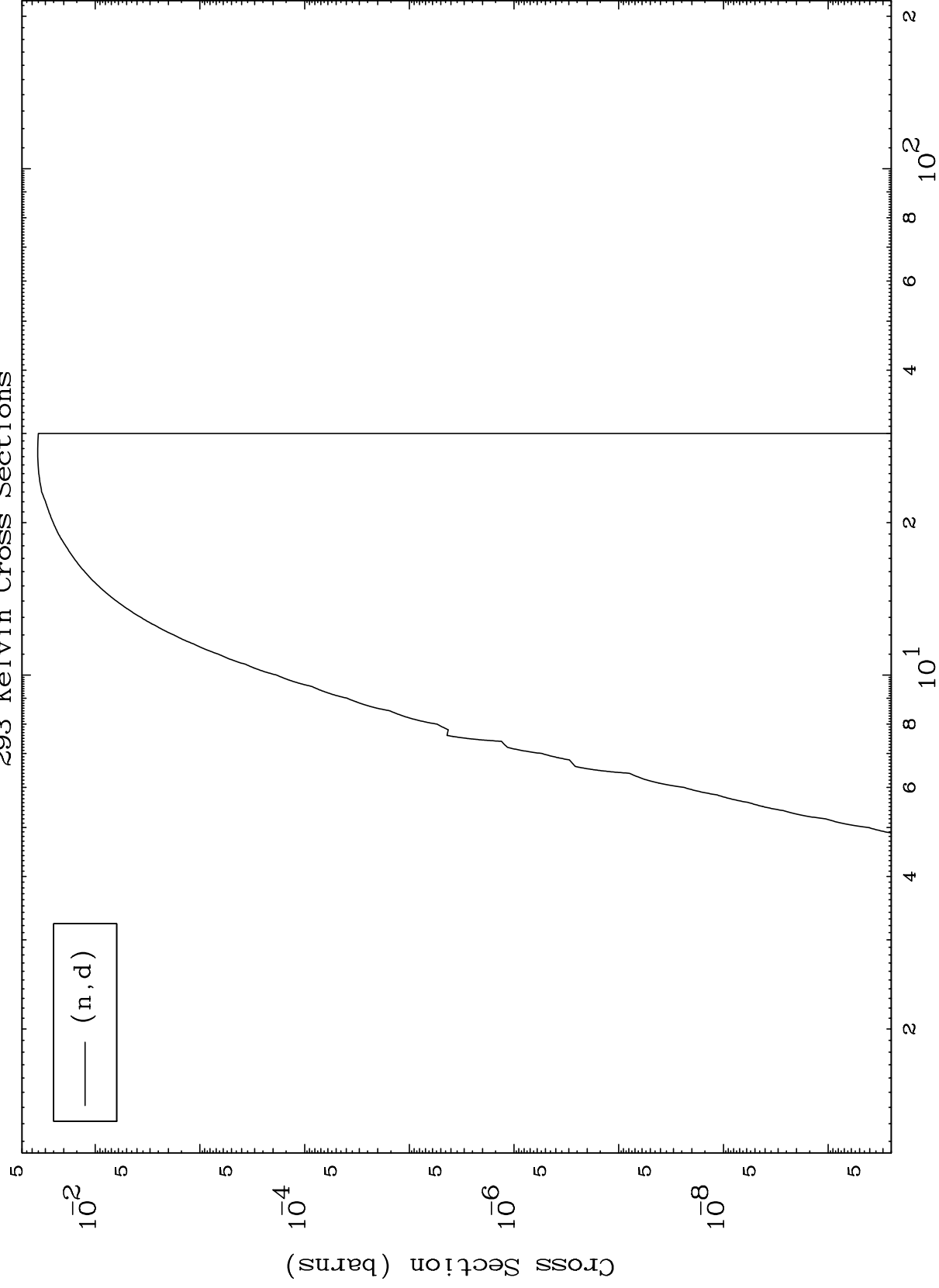
66-Dy-144



MAT 6589

(n,d) Levels  
293 Kelvin Cross Sections

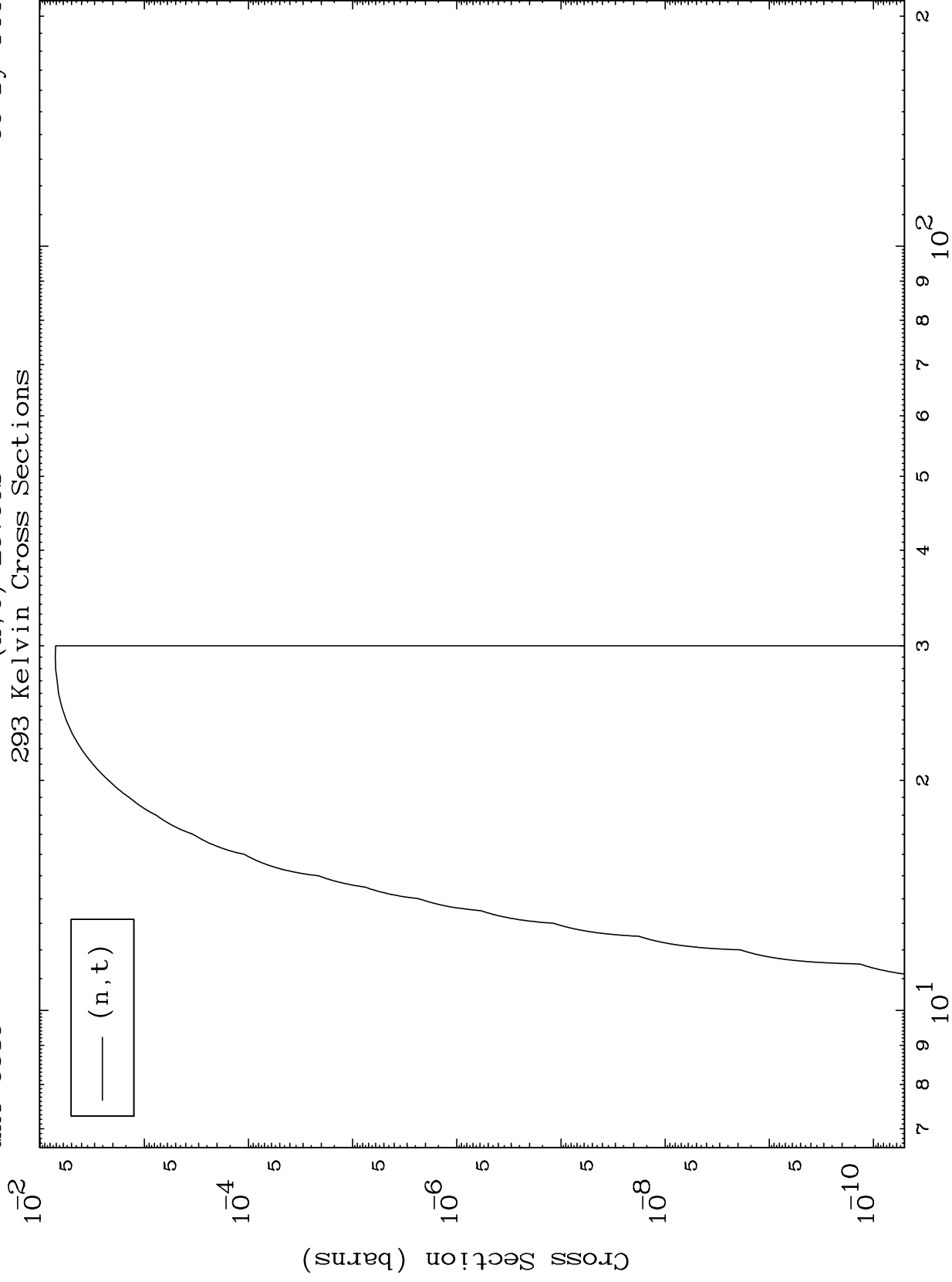
66-Dy-144



MAT 6589

(n,t) Levels  
293 Kelvin Cross Sections

66-Dy-144



13

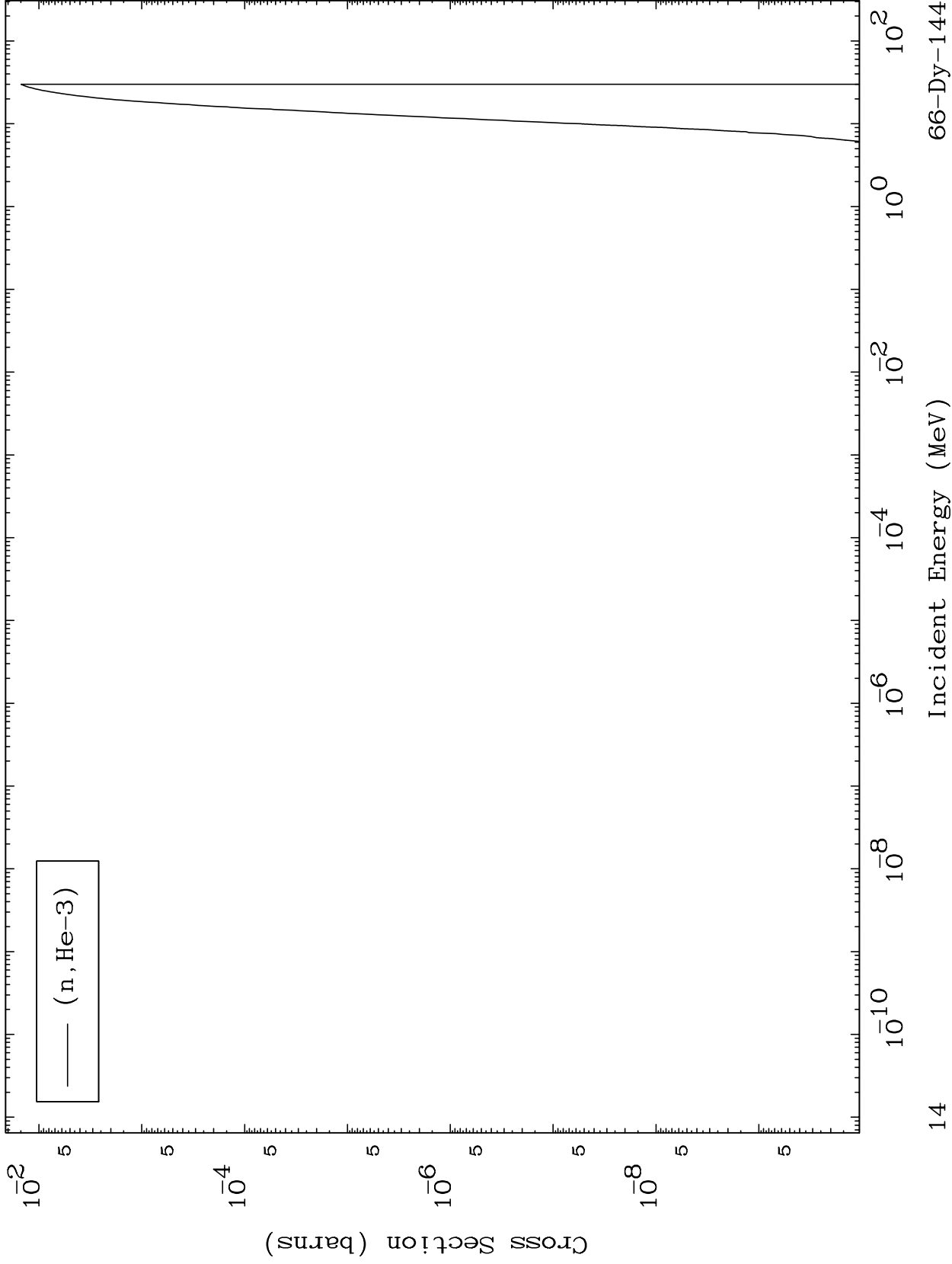
Incident Energy (MeV)

66-Dy-144

MAT 6589

(n,He3) Levels  
293 Kelvin Cross Sections

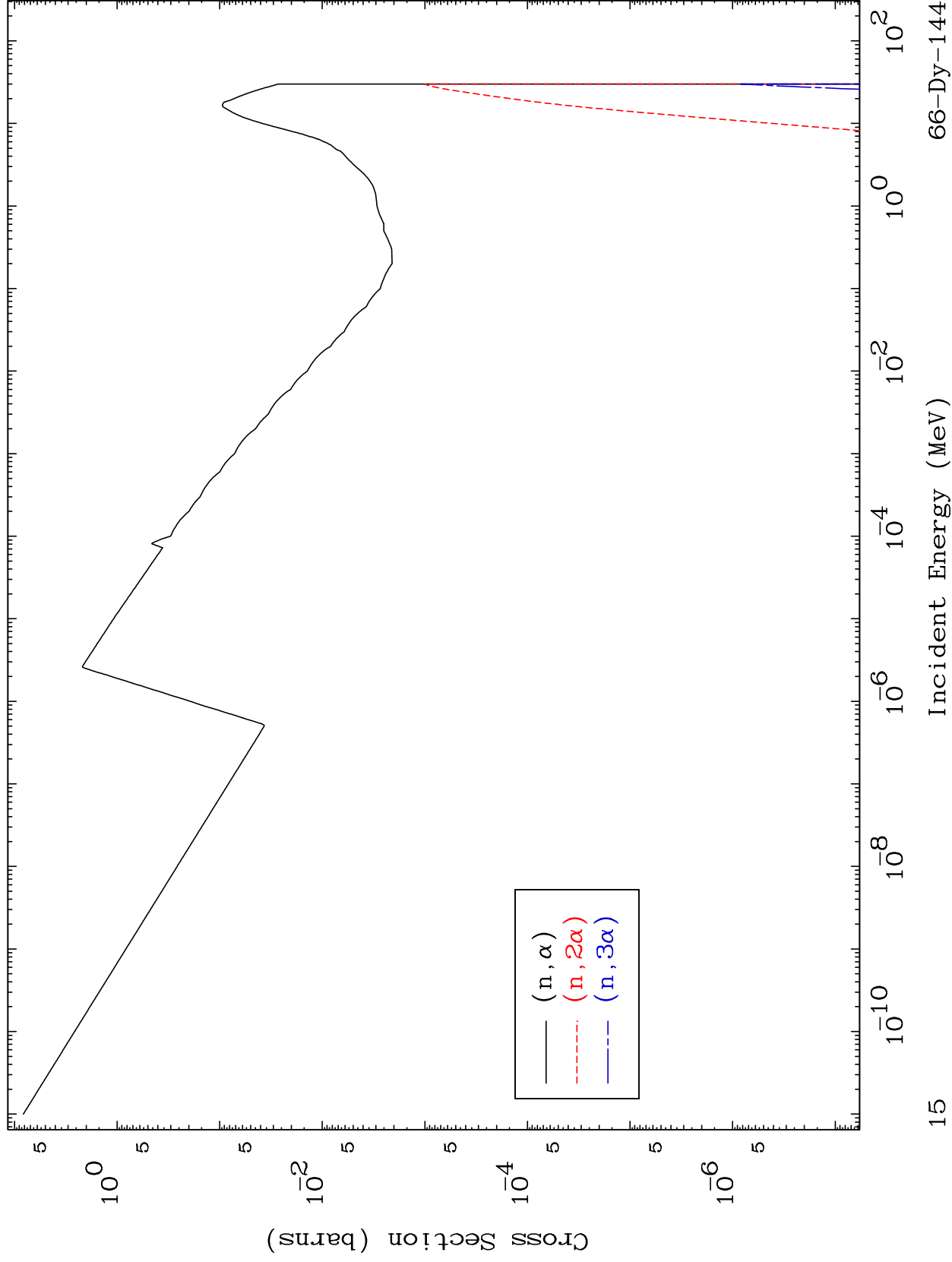
66-Dy-144



MAT 6589

(n,α) Levels  
293 Kelvin Cross Sections

66-Dy-144



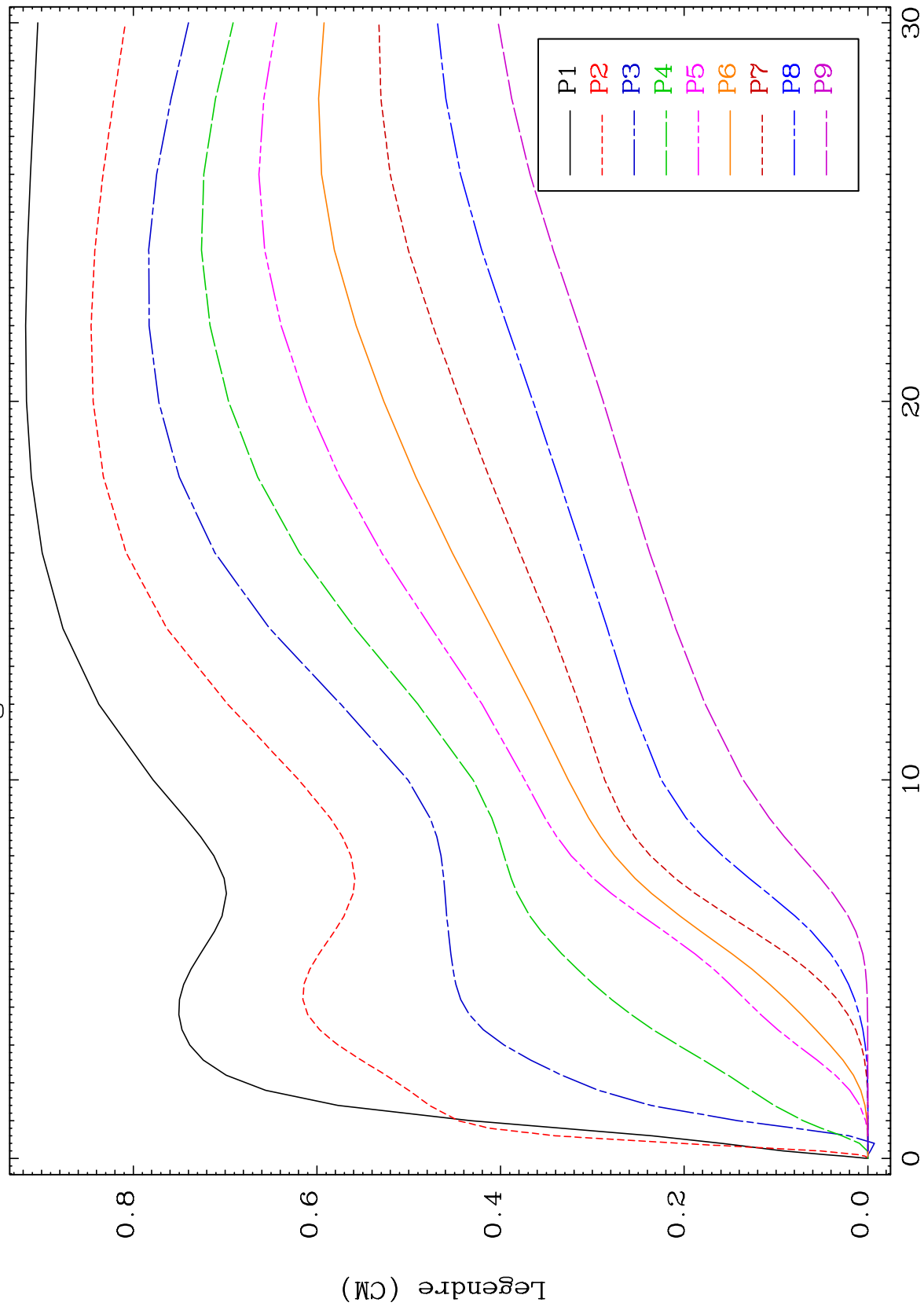
15



MAT 6589

Elastic Legendre Coefficients

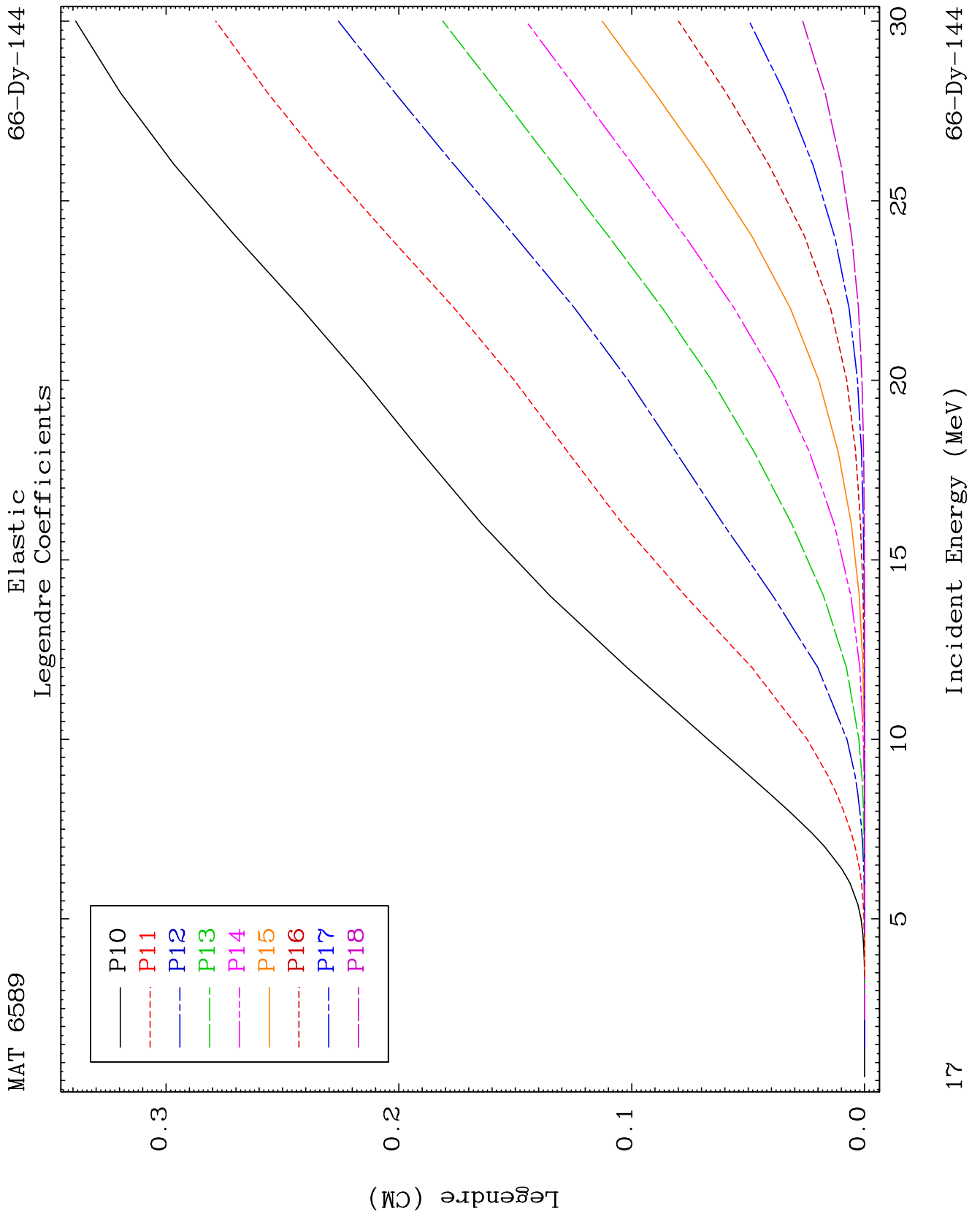
66-Dy-144



16

Incident Energy (MeV)

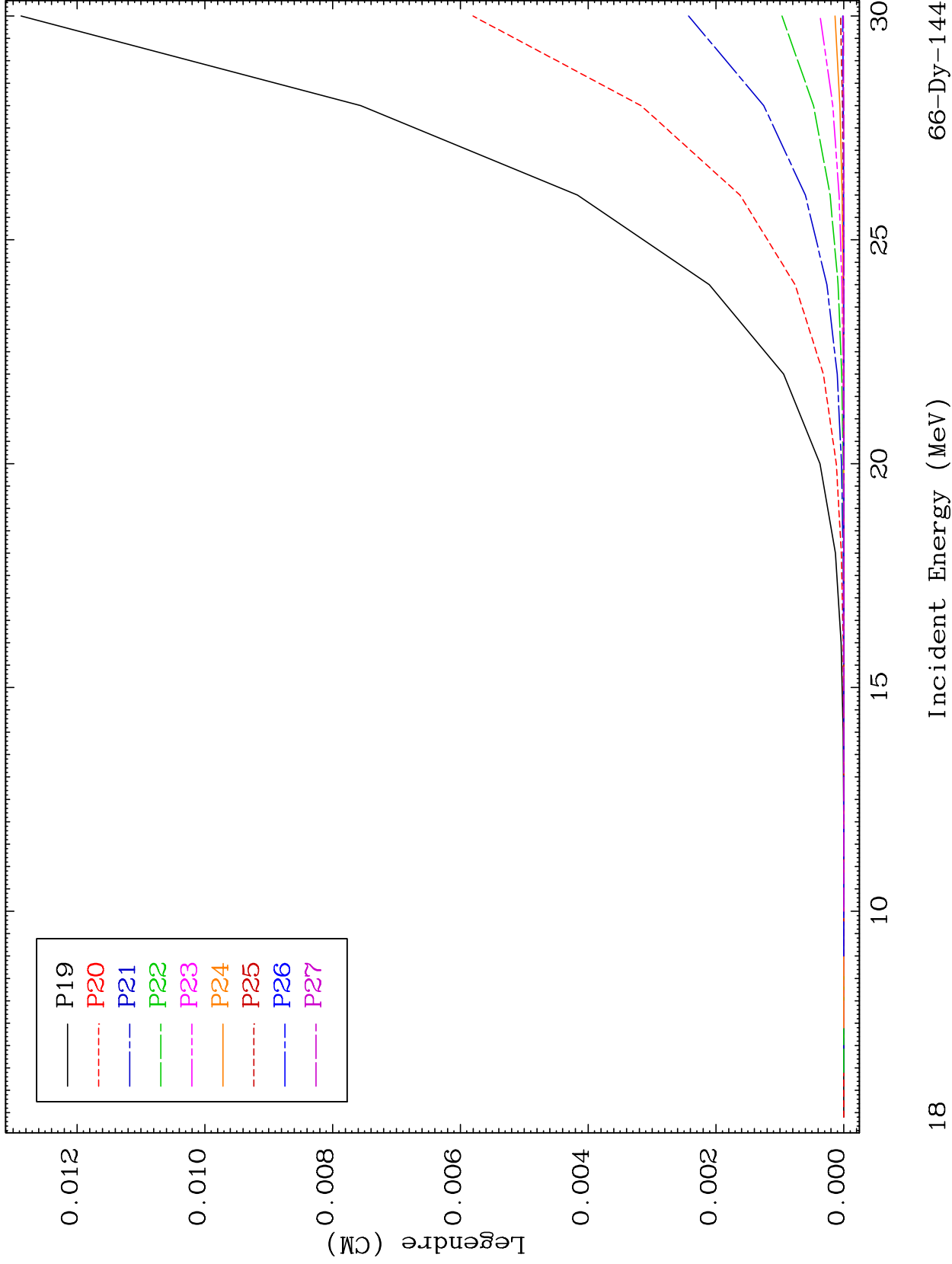
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MAT 6589

### Elastic Legendre Coefficients

66-Dy-144



18

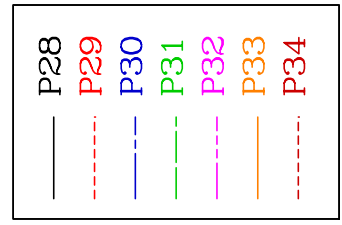
Incident Energy (MeV)

66-Dy-144

MAT 6589

Elastic Legendre Coefficients

66-Dy-144



$\times 10^{-6}$

1.5

Legendre (CM)

1.0

0.5

0.0

15

20

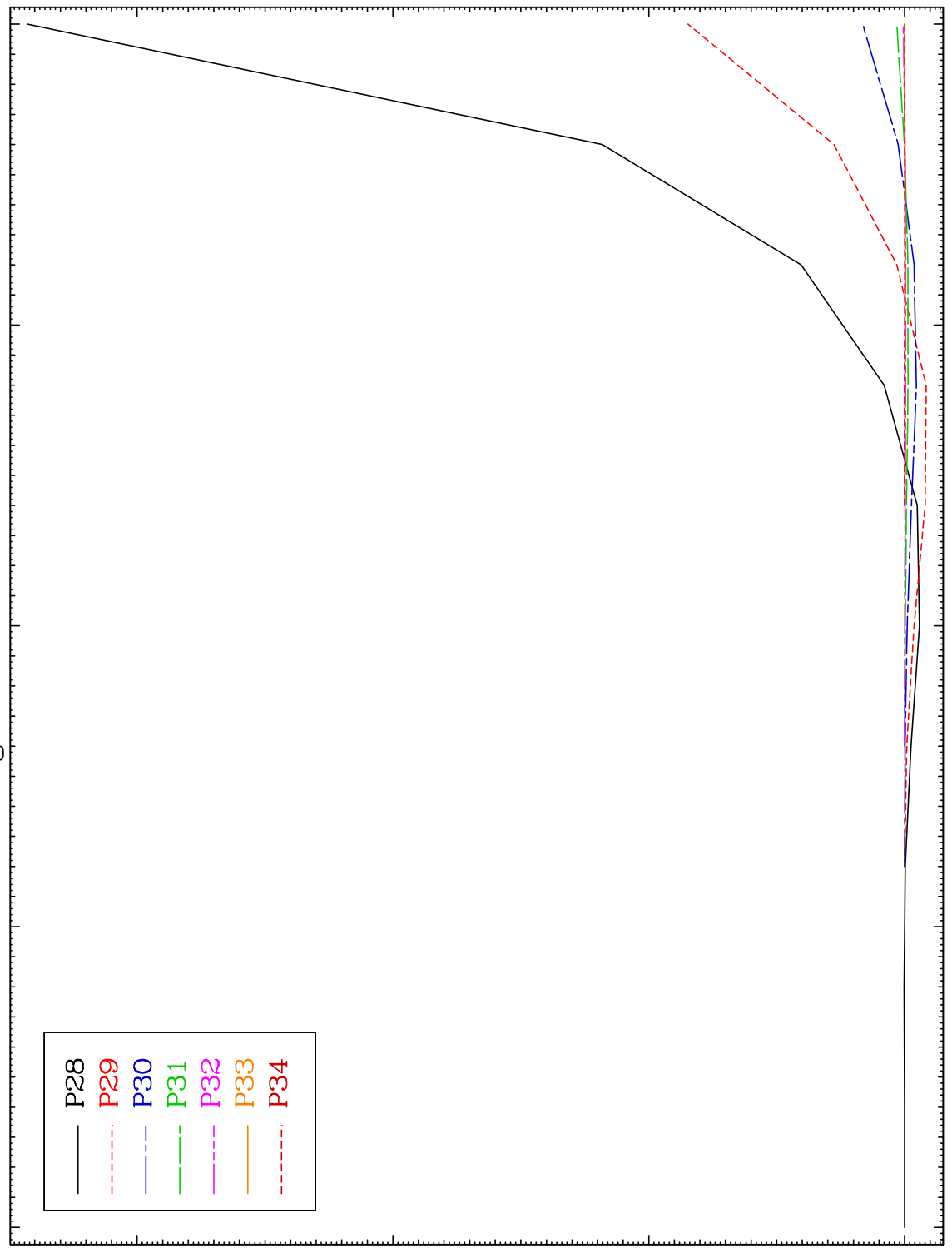
25

30

19

Incident Energy (MeV)

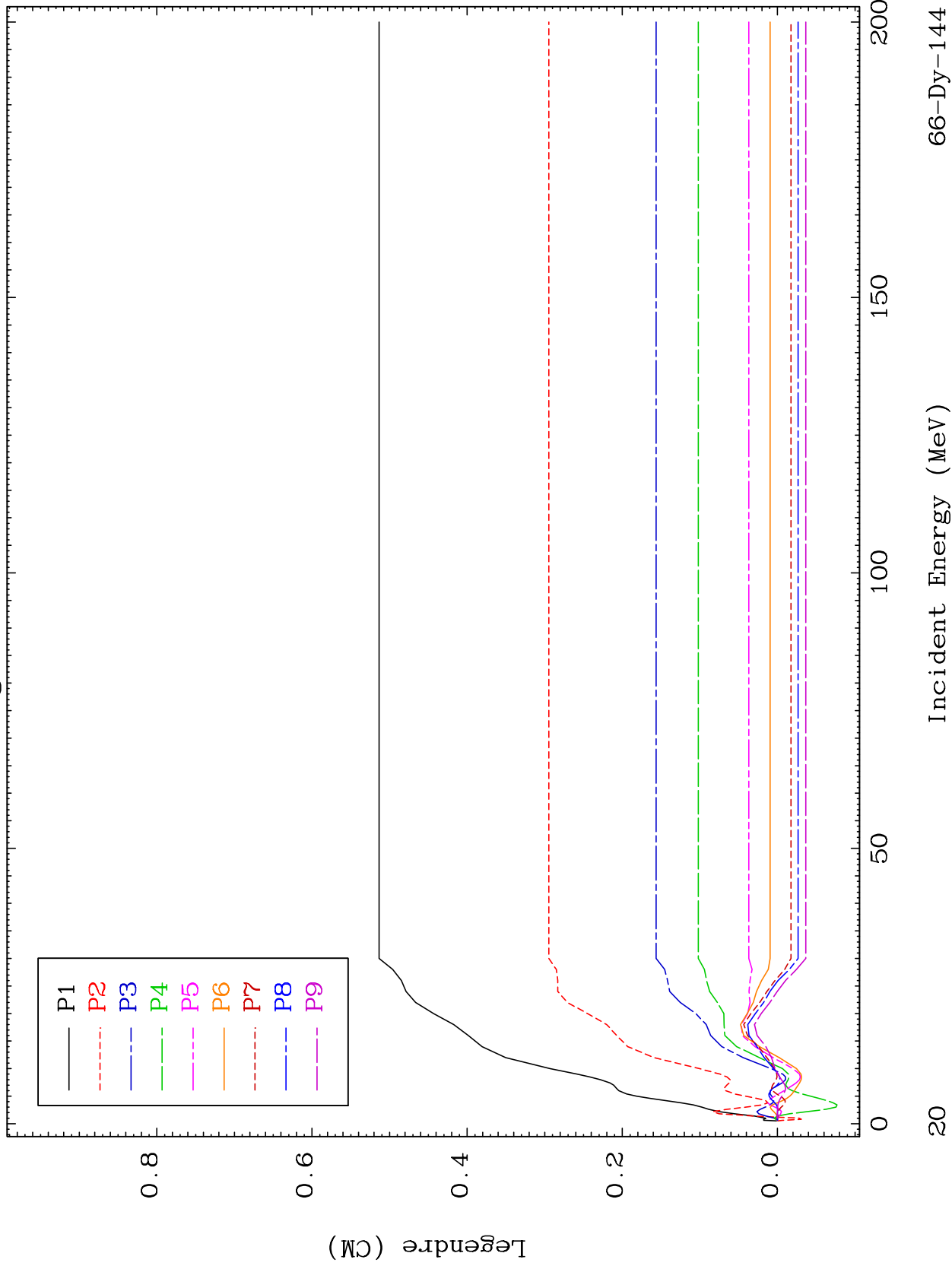
66-Dy-144



MAT 6589

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

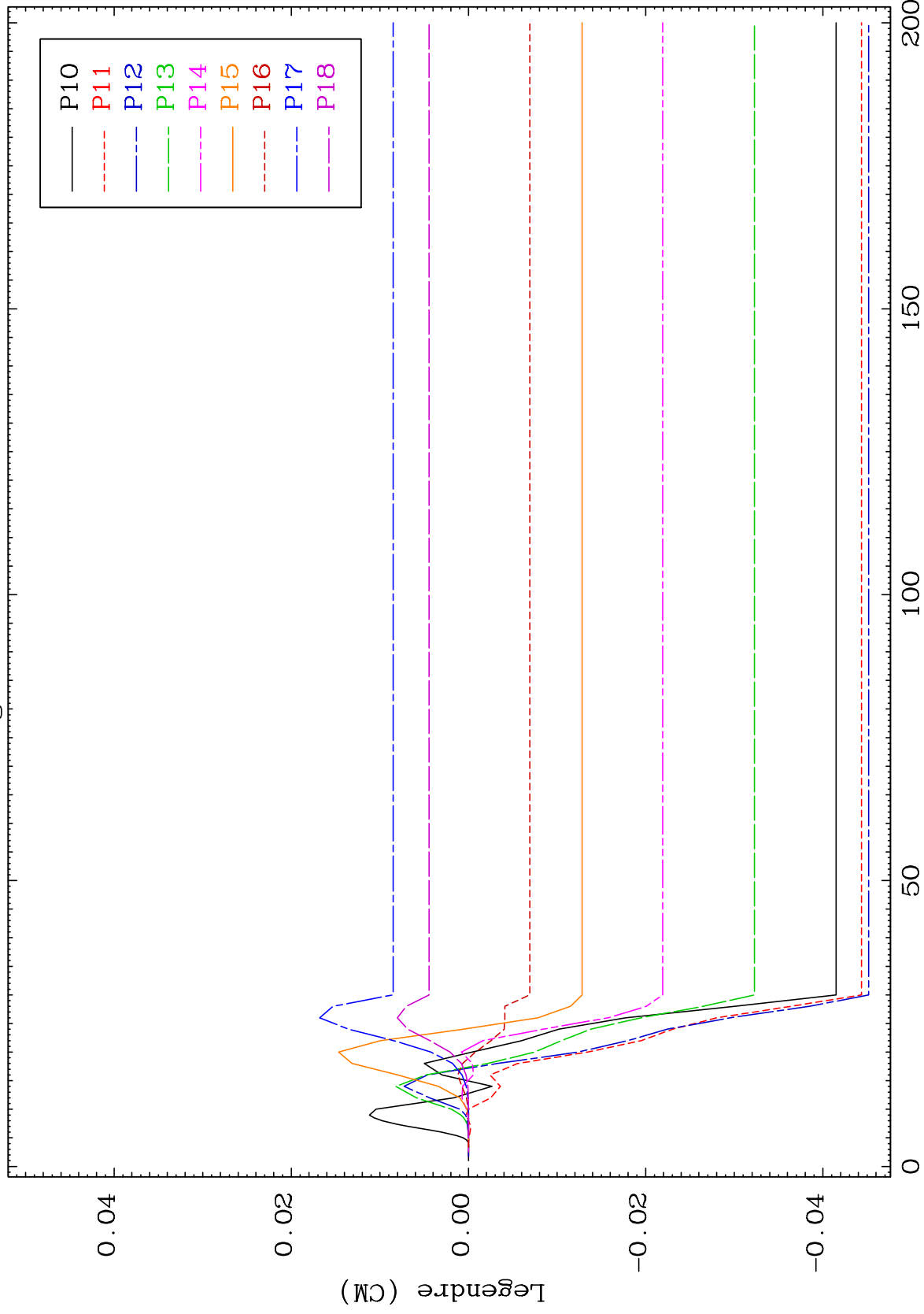
66-Dy-144



MAT 6589

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

66-Dy-144



21

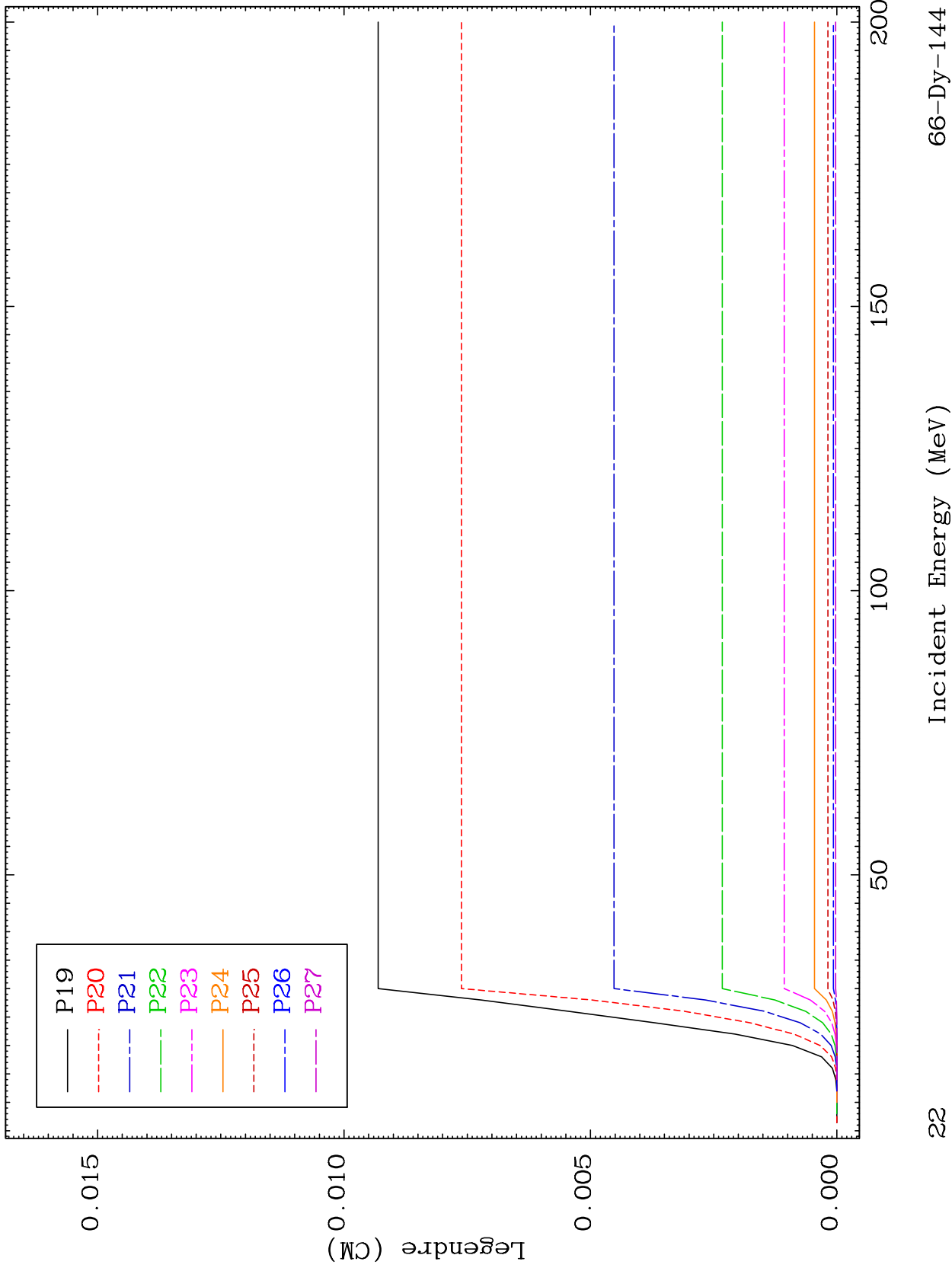
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



22

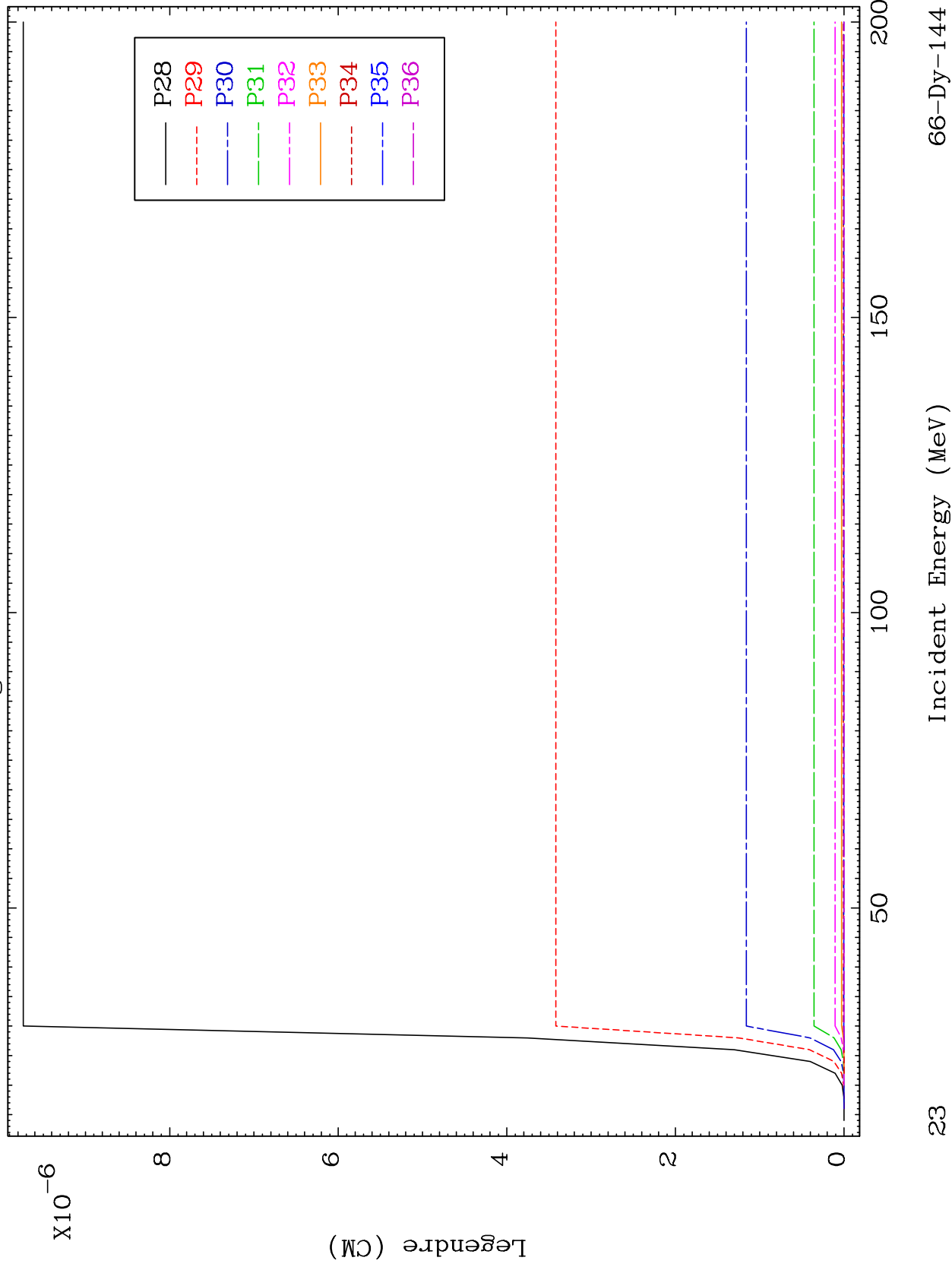
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144

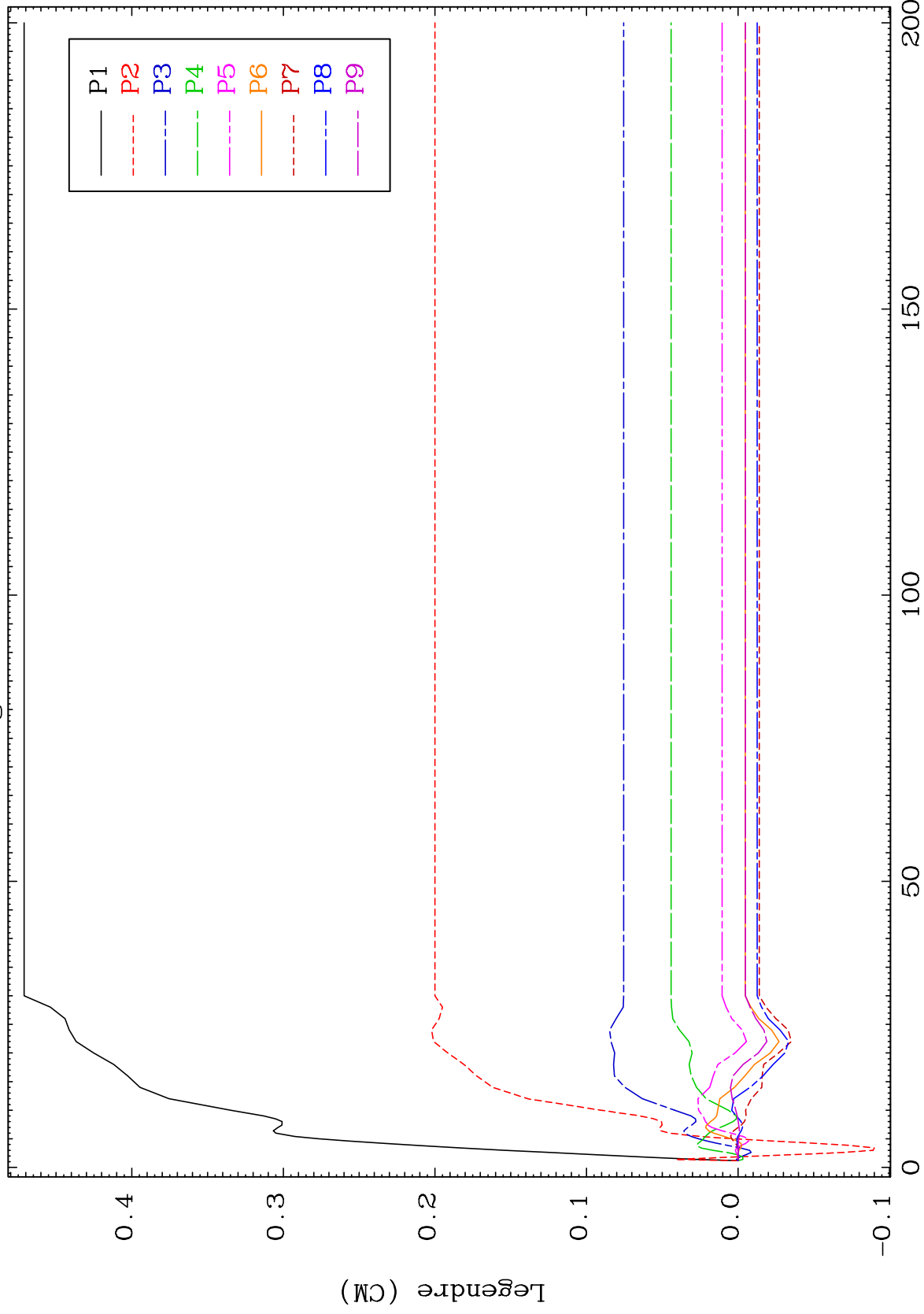




MAT 6589

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

66-Dy-144



24

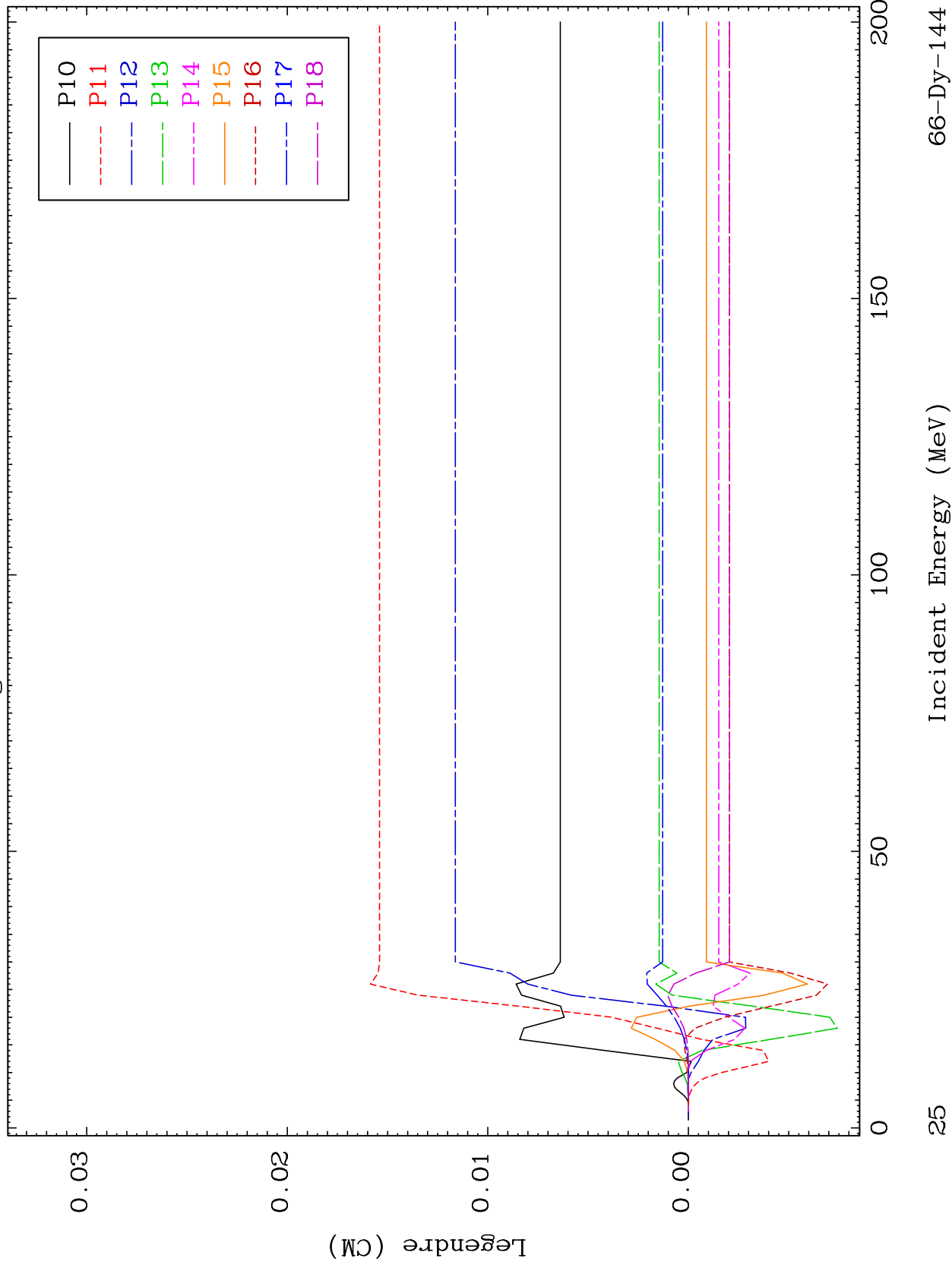
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



66-Dy-144

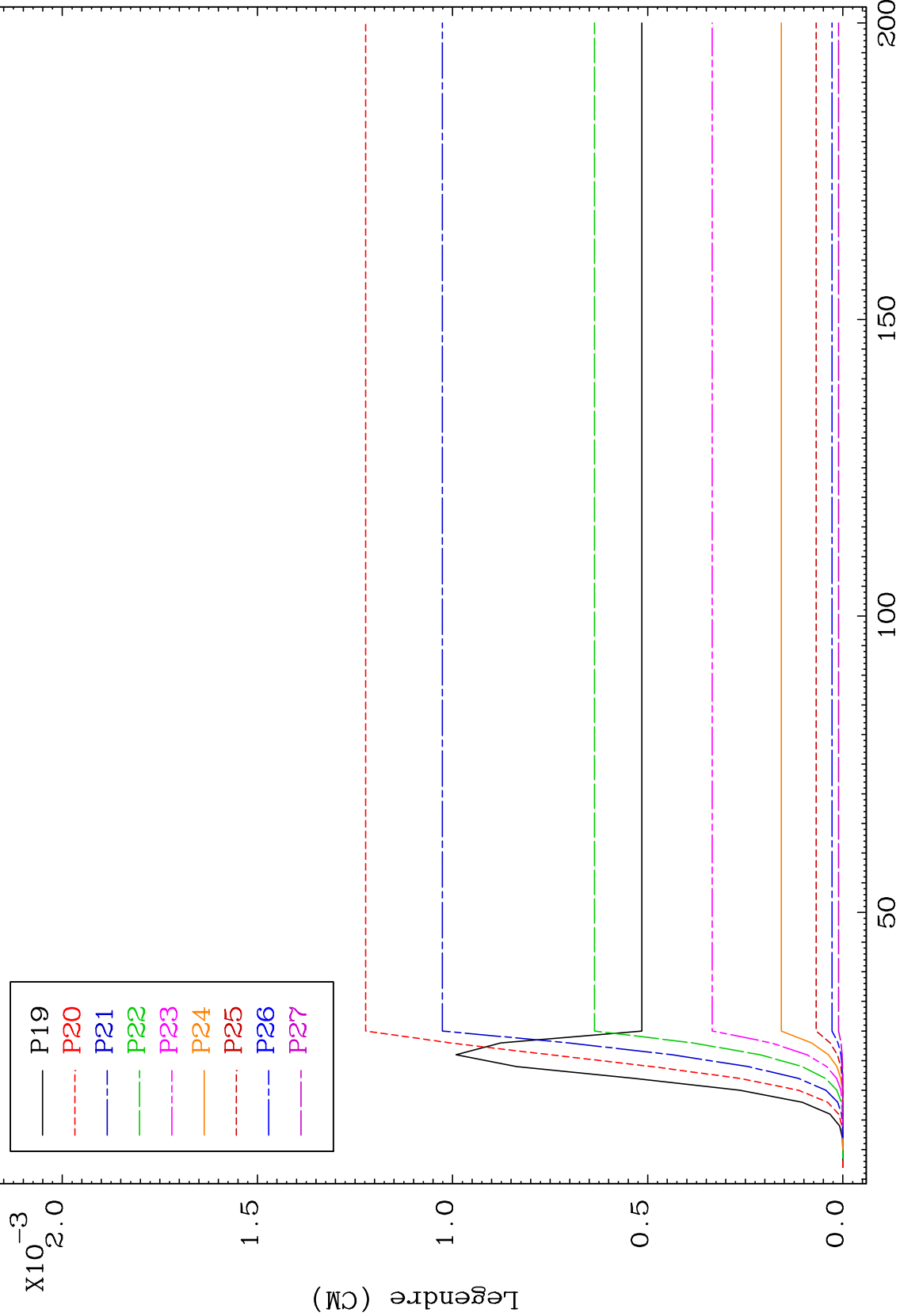
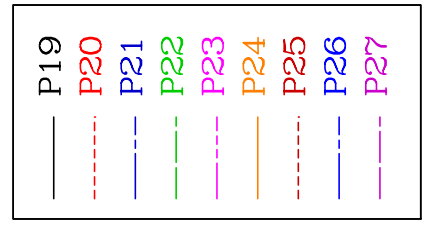
Incident Energy (MeV)

25

MAT 6589

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

66-Dy-144



26

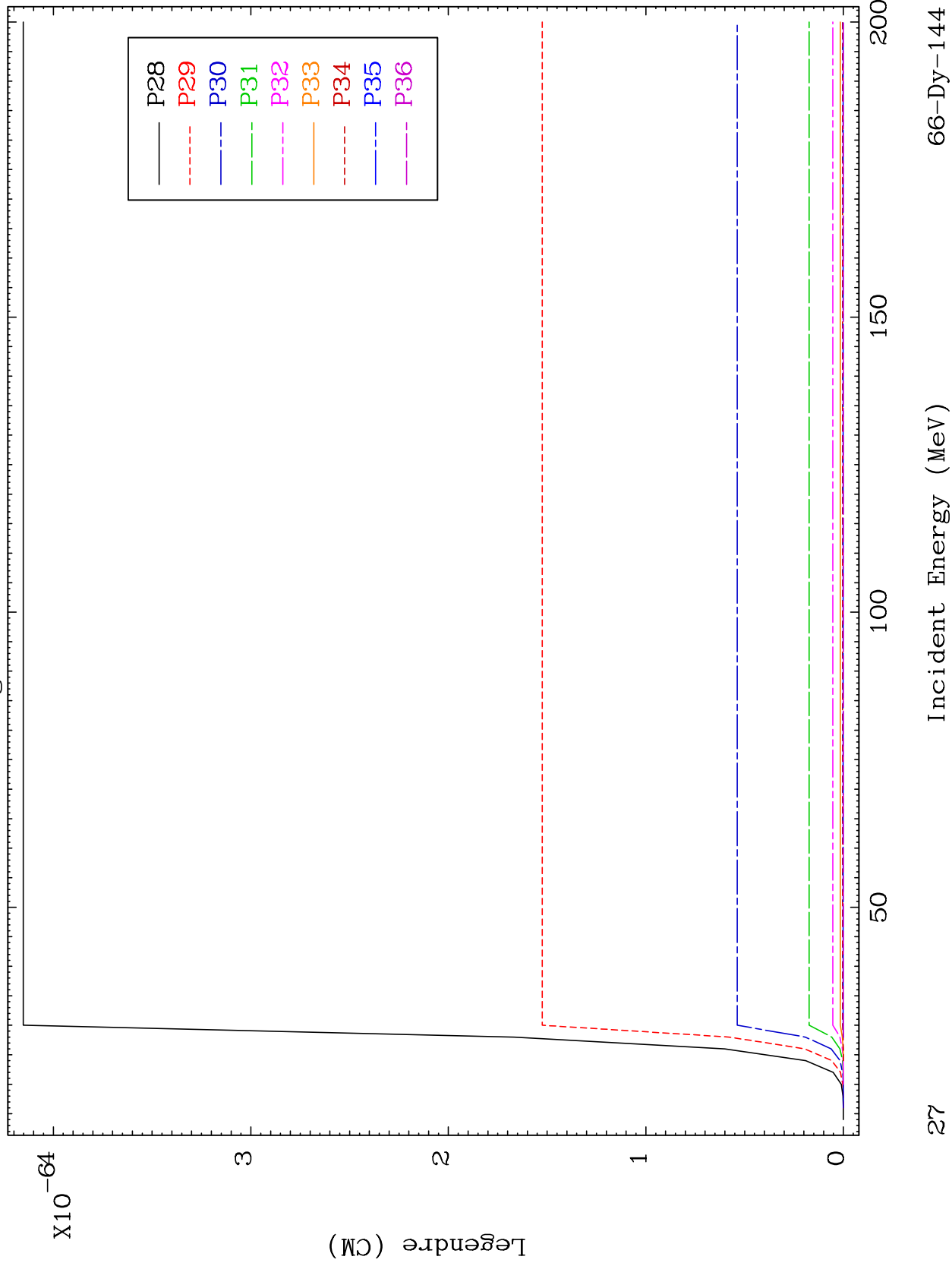
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

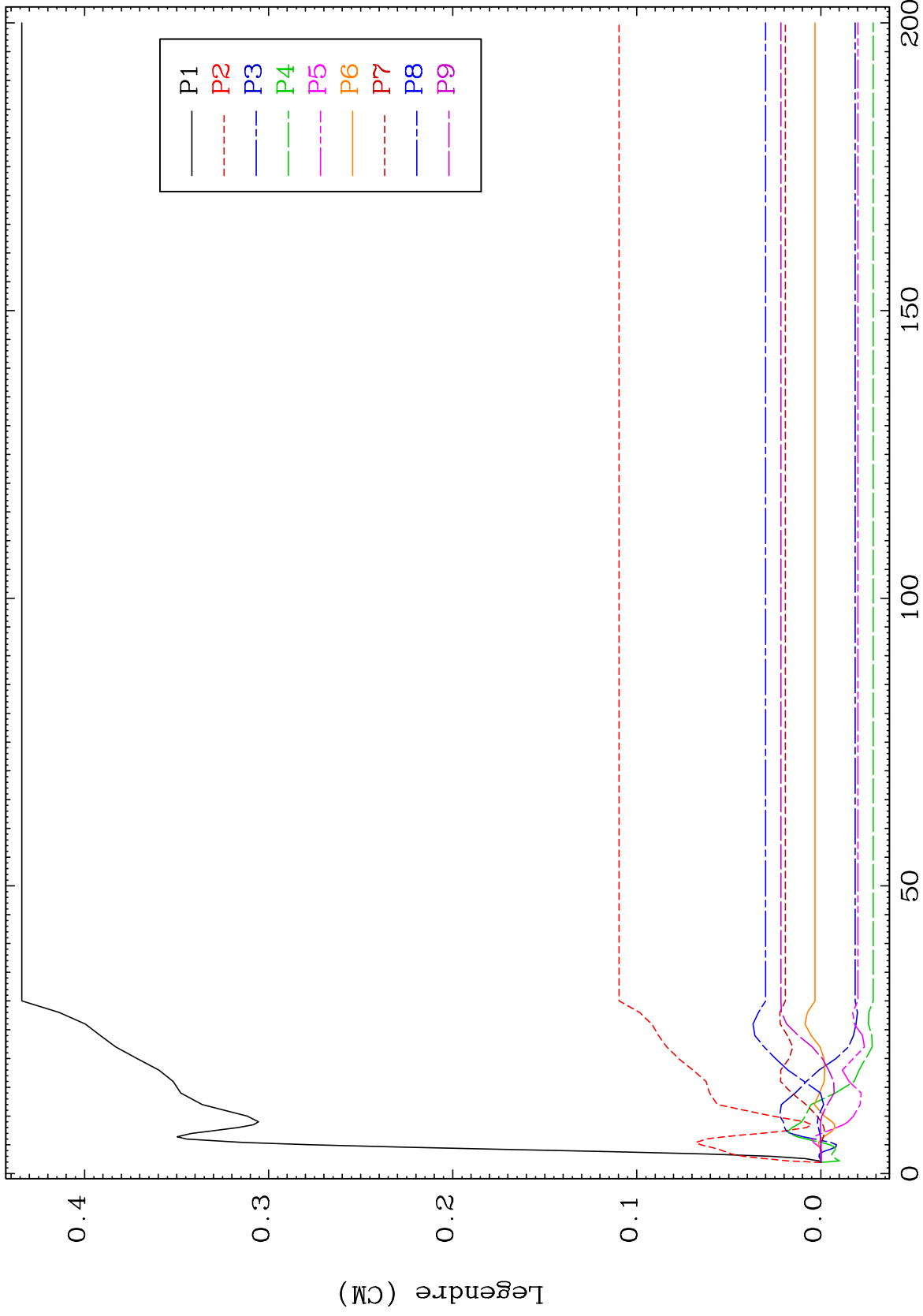
66-Dy-144



MAT 6589

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

66-Dy-144



28

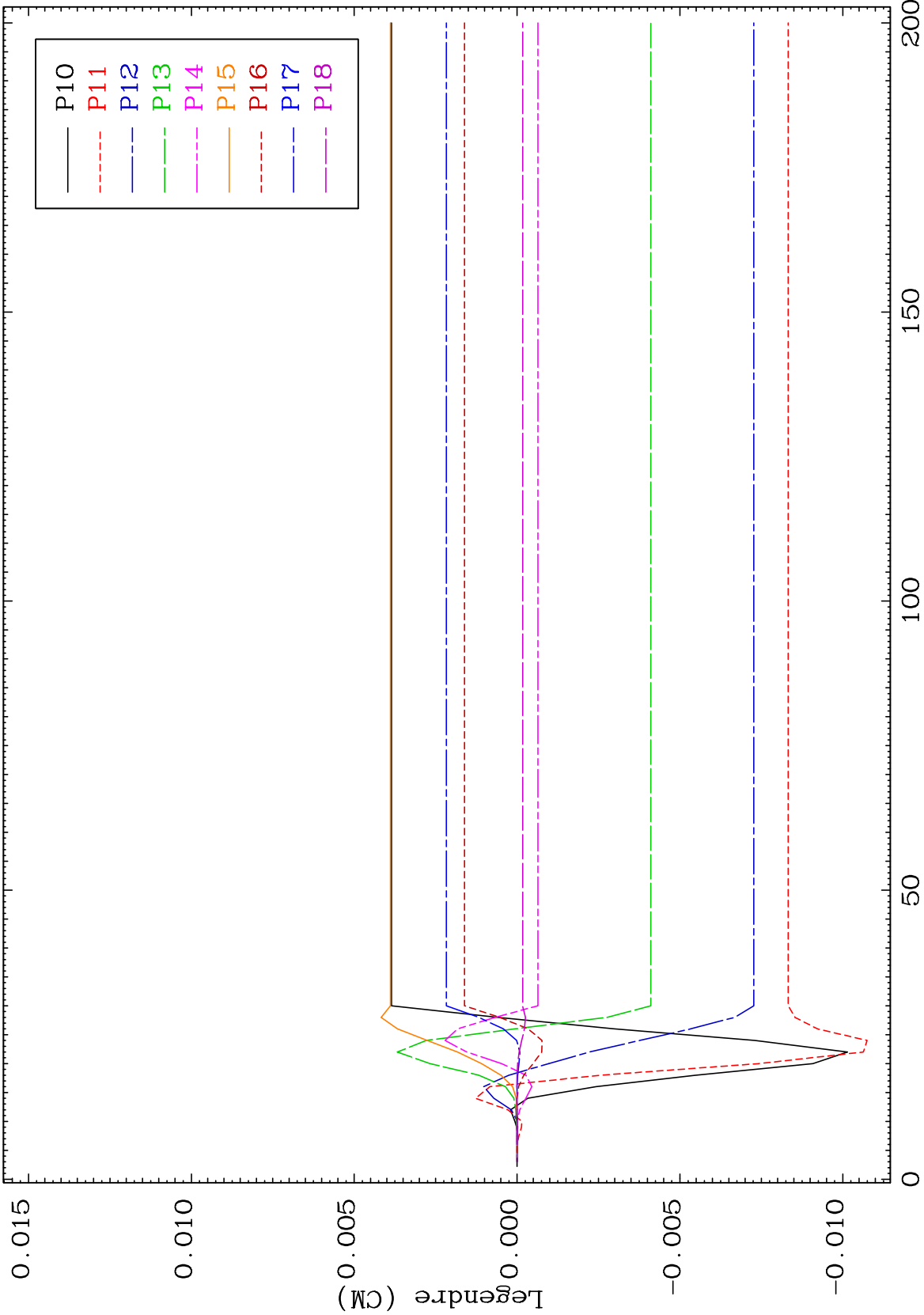
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



29

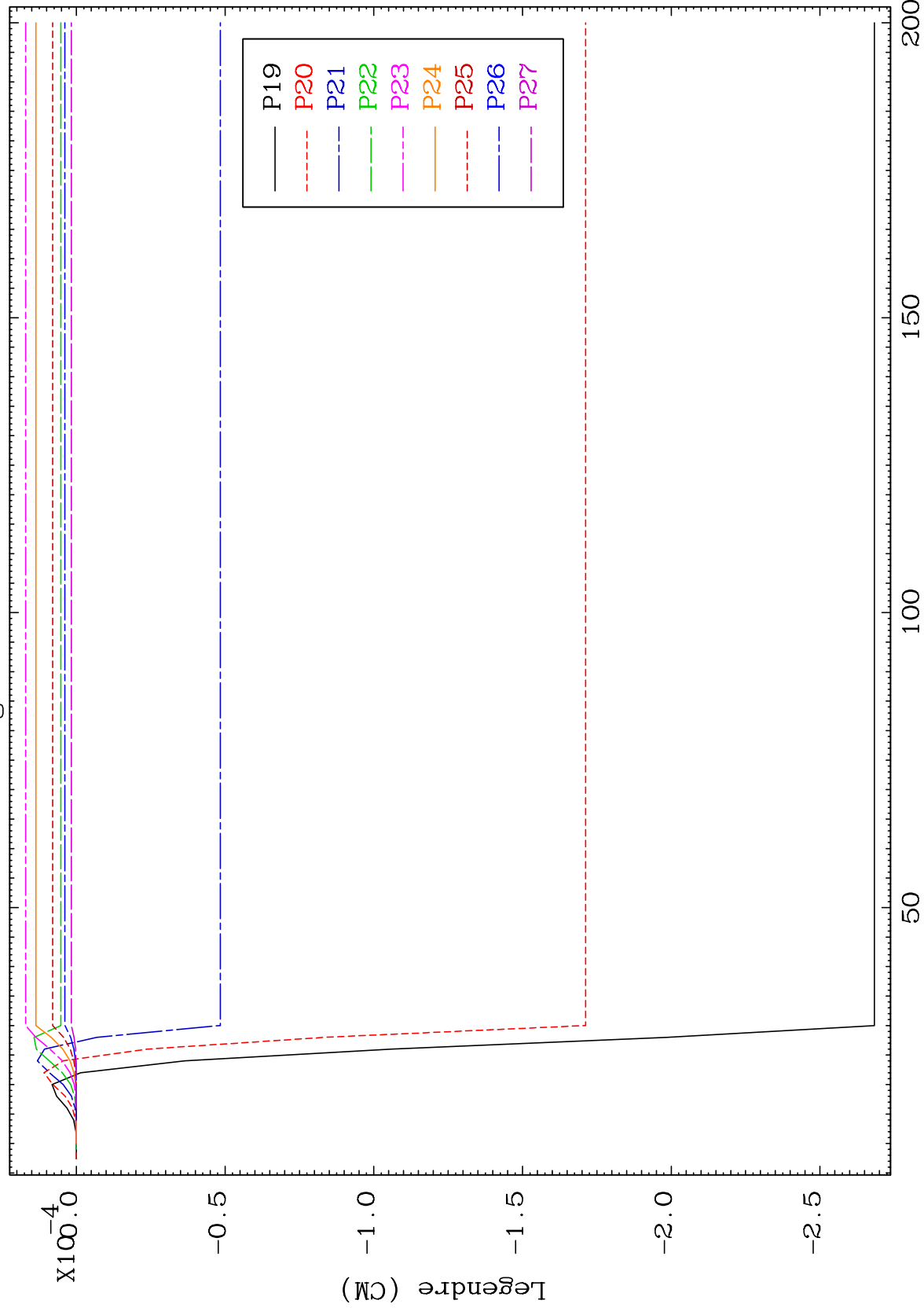
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



30

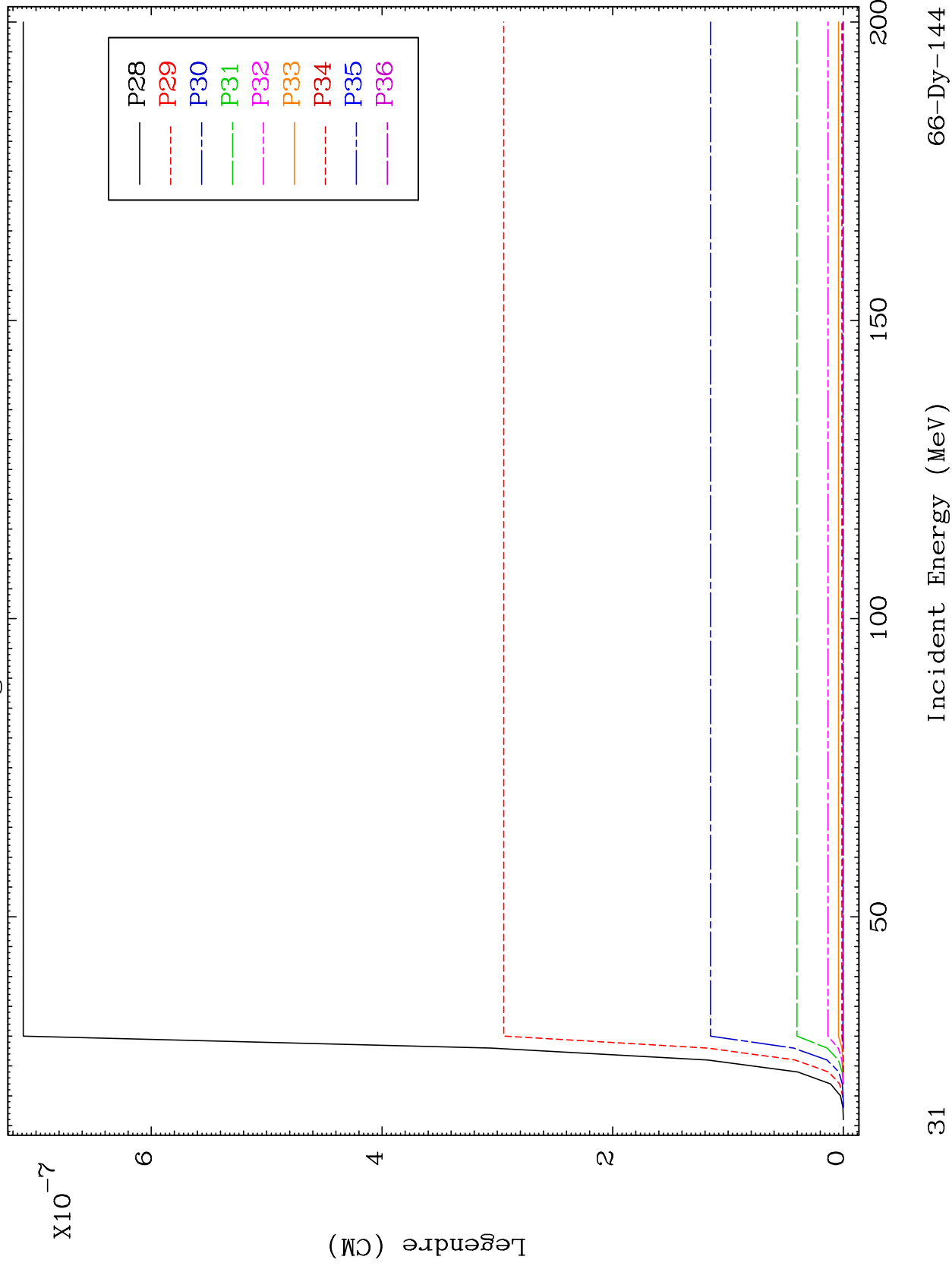
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



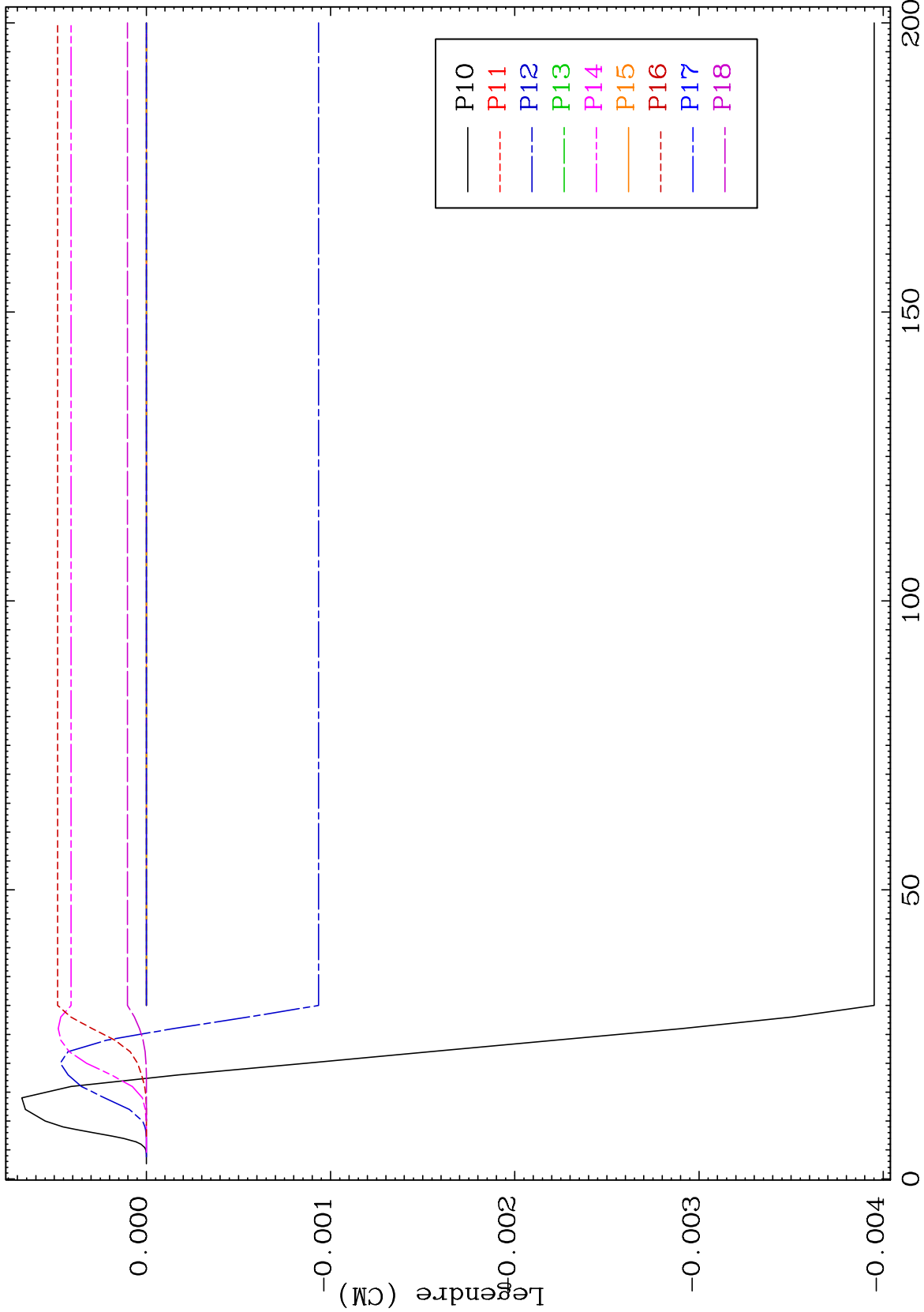




MAT 6589

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

66-Dy-144

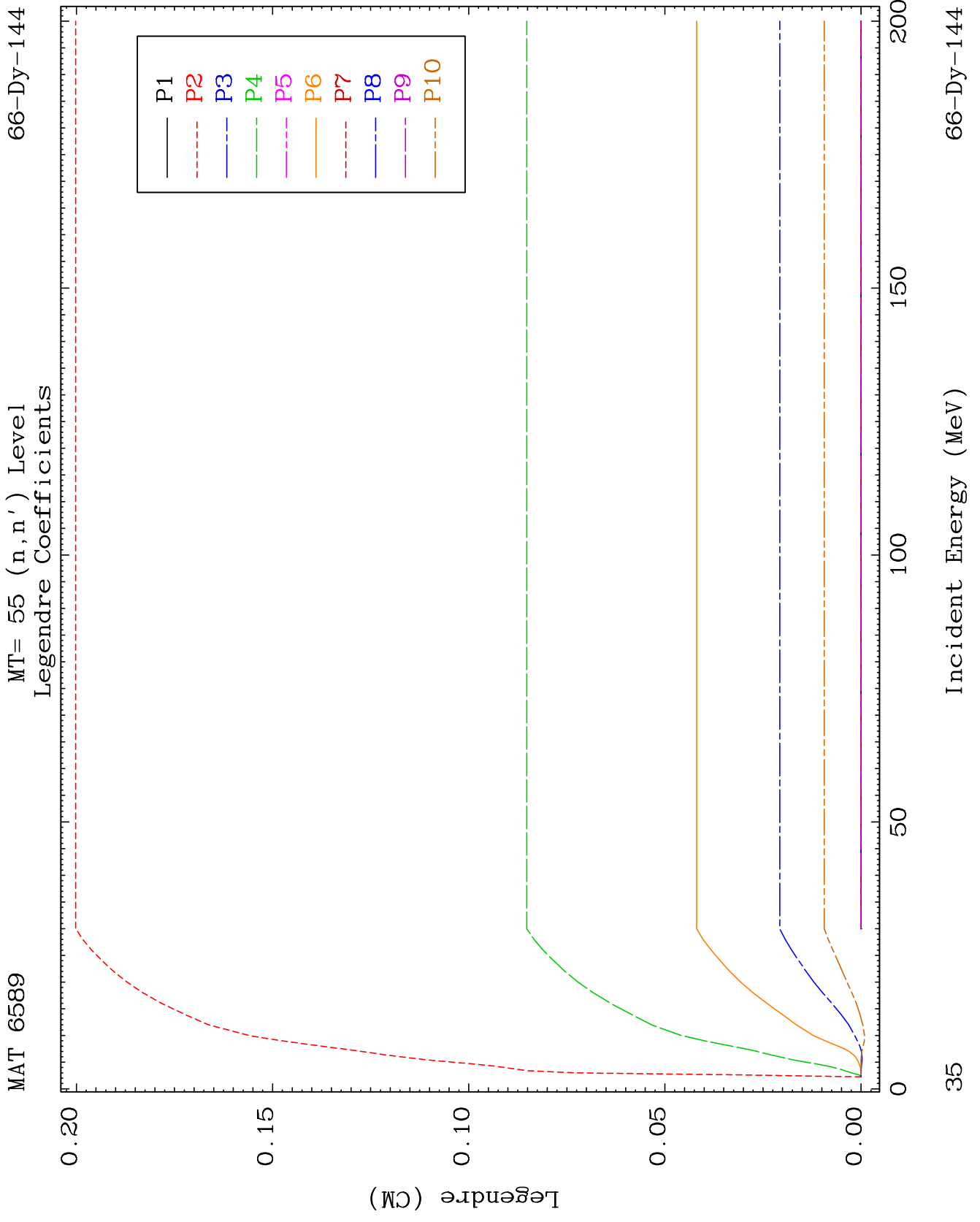


33

Incident Energy (MeV)

66-Dy-144

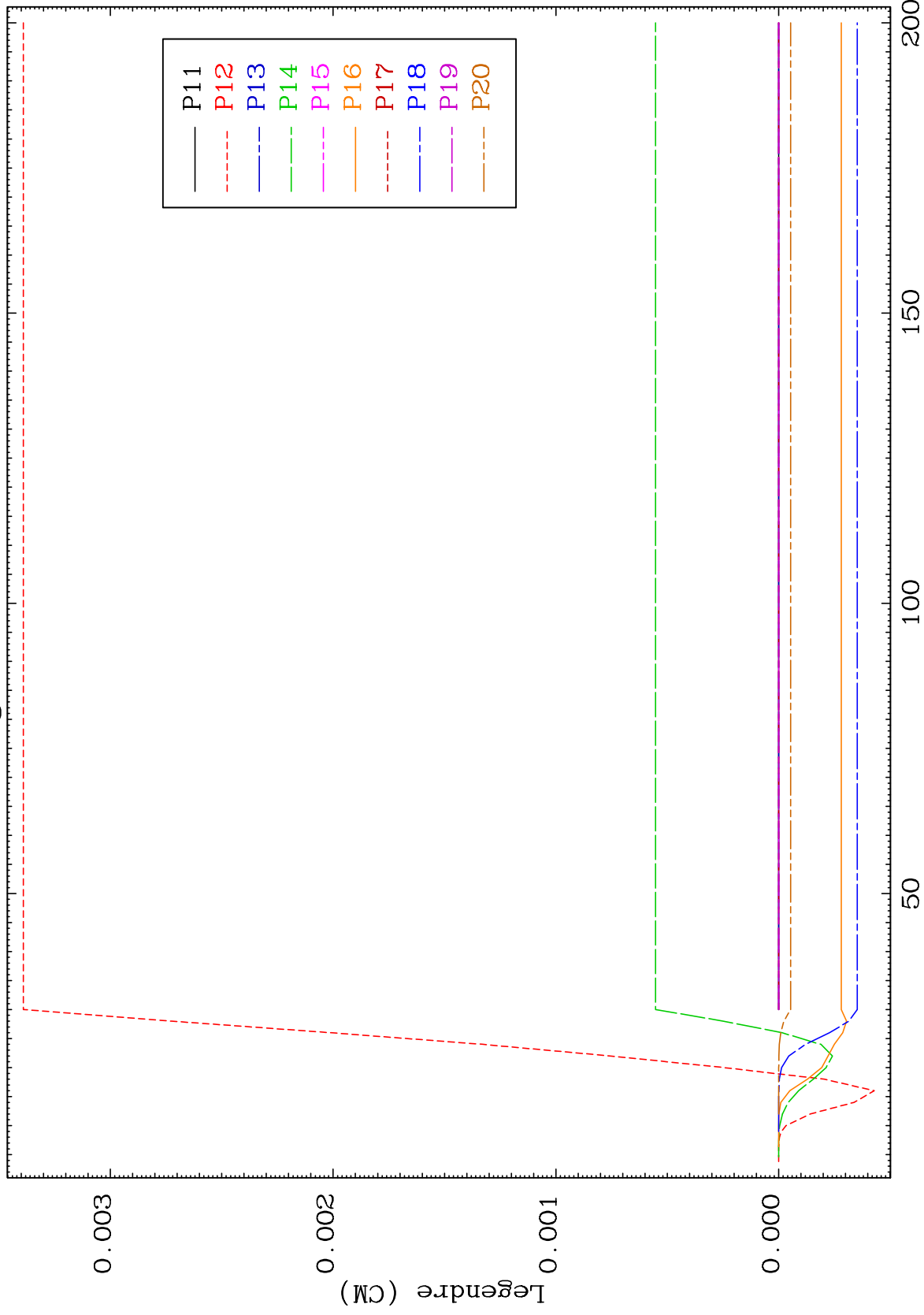




MAT 6589

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

66-Dy-144



36

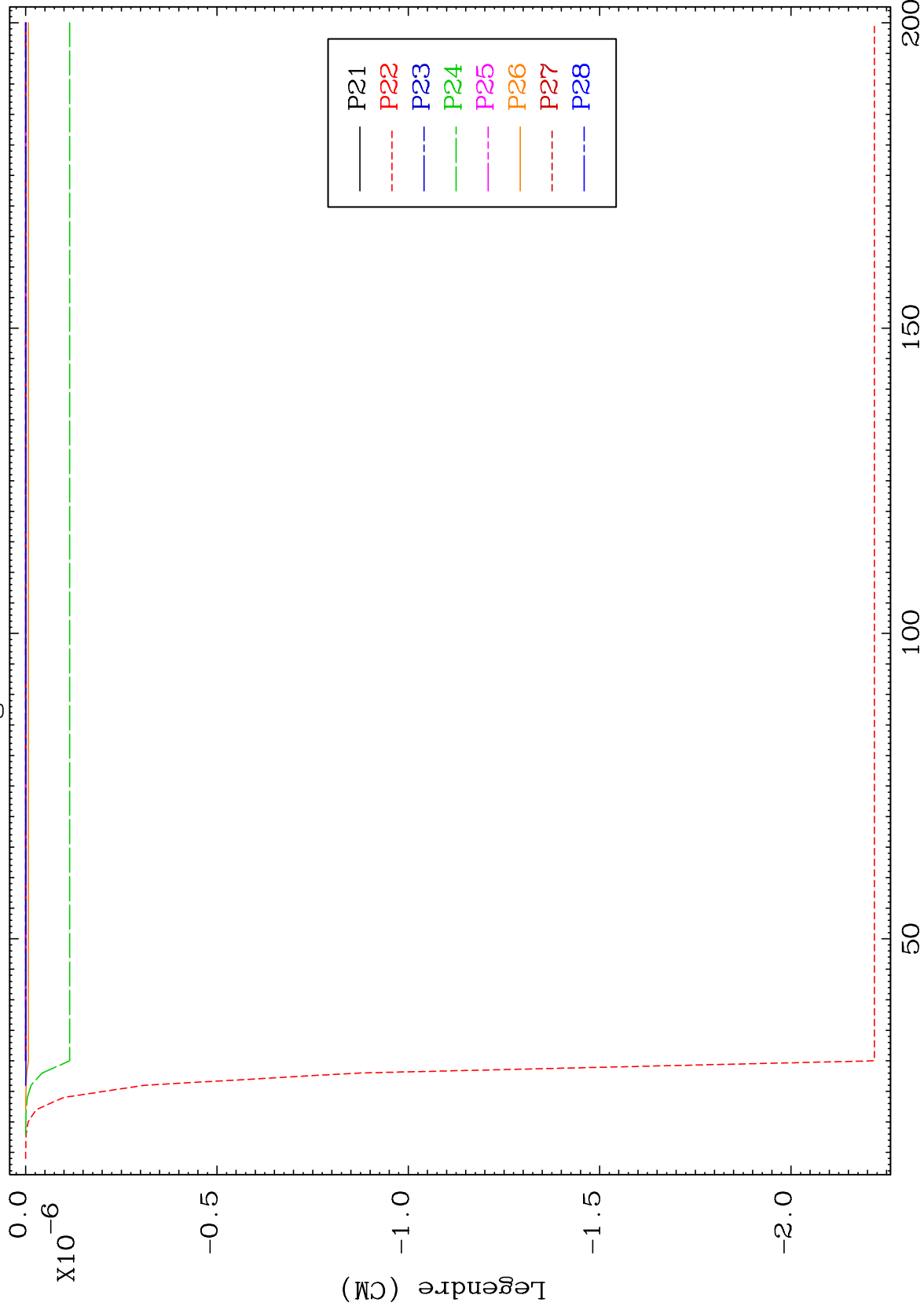
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



37

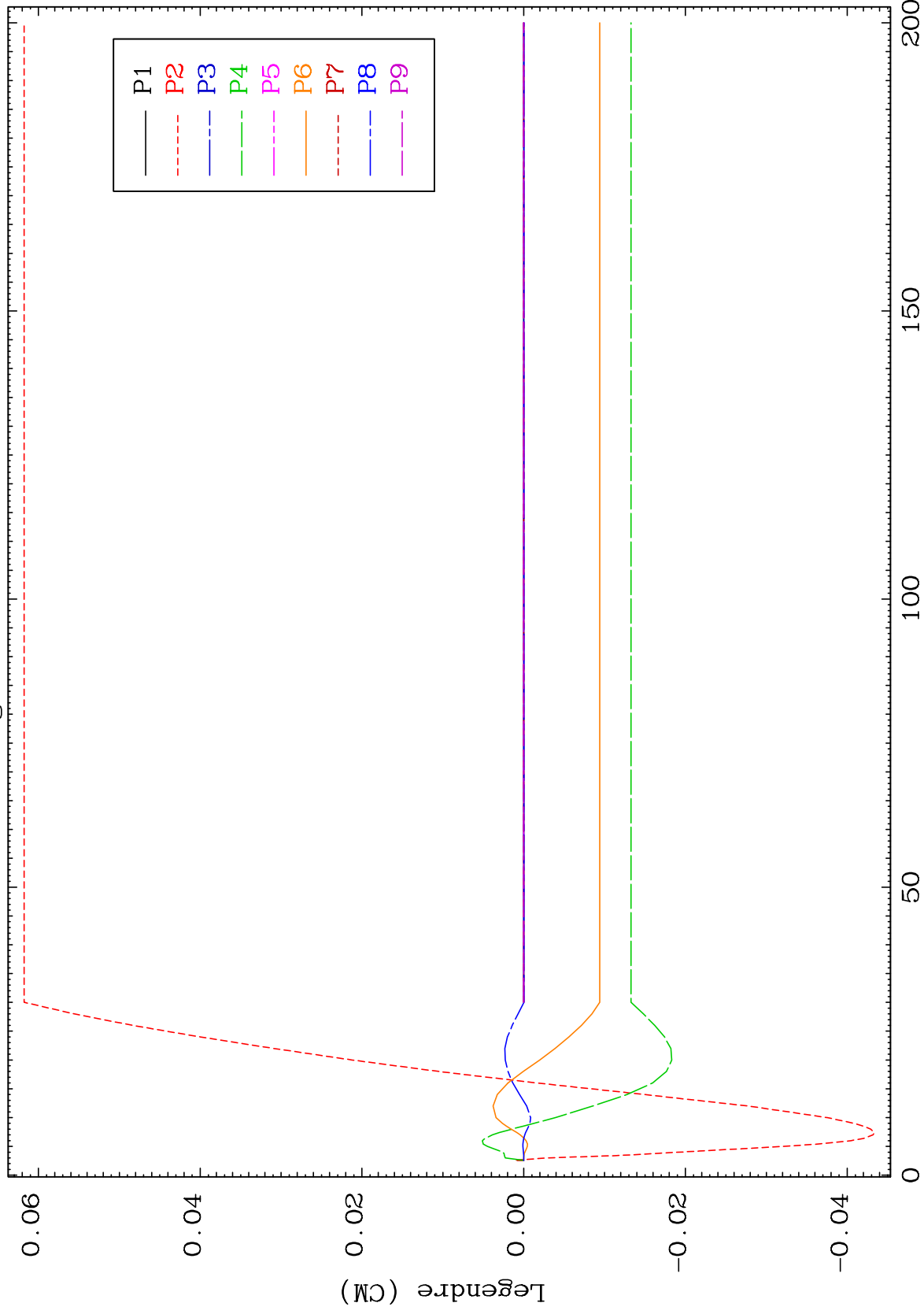
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



66-Dy-144

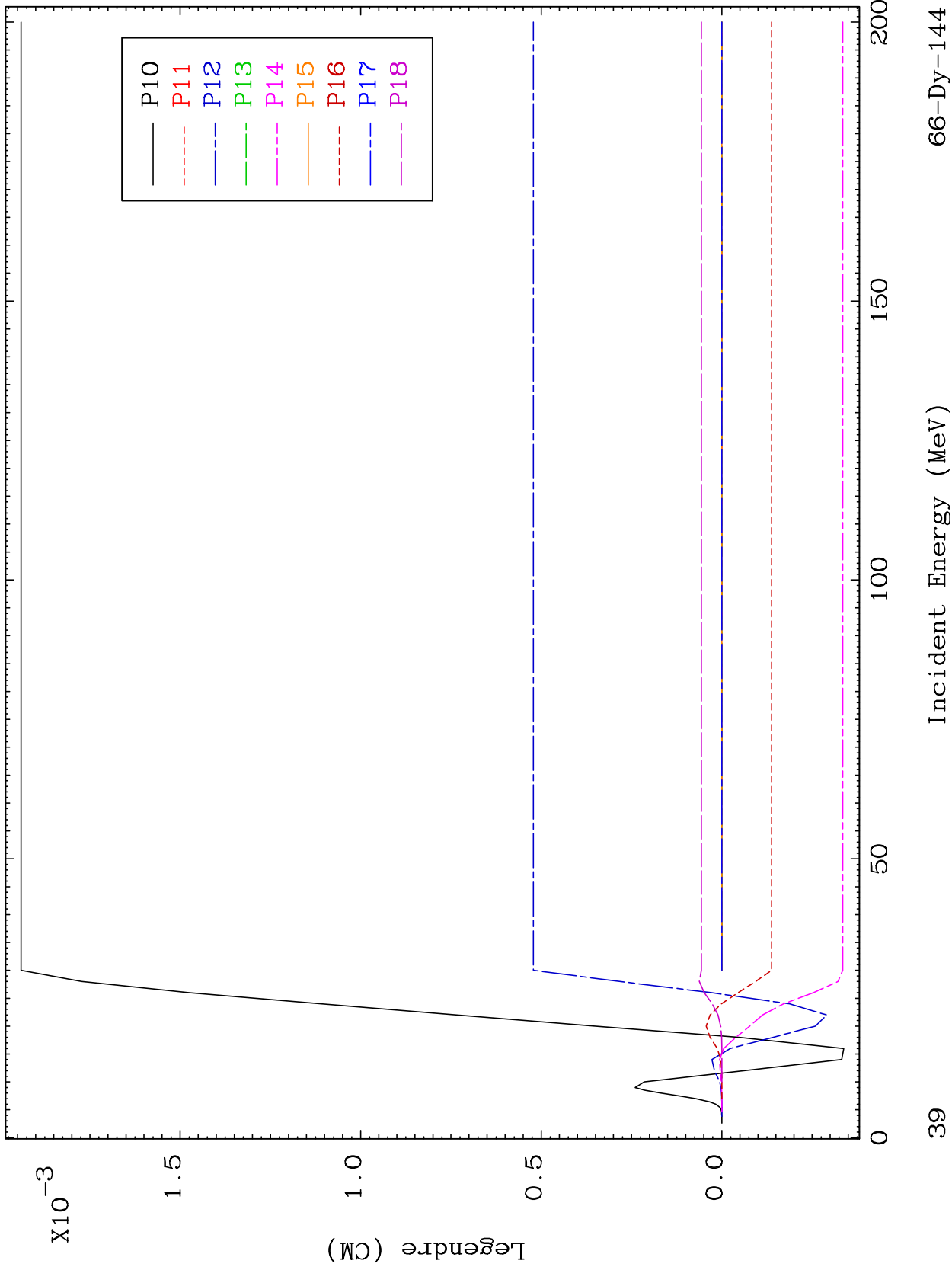
Incident Energy (MeV)

38

MAT 6589

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

66-Dy-144



39

Incident Energy (MeV)

66-Dy-144

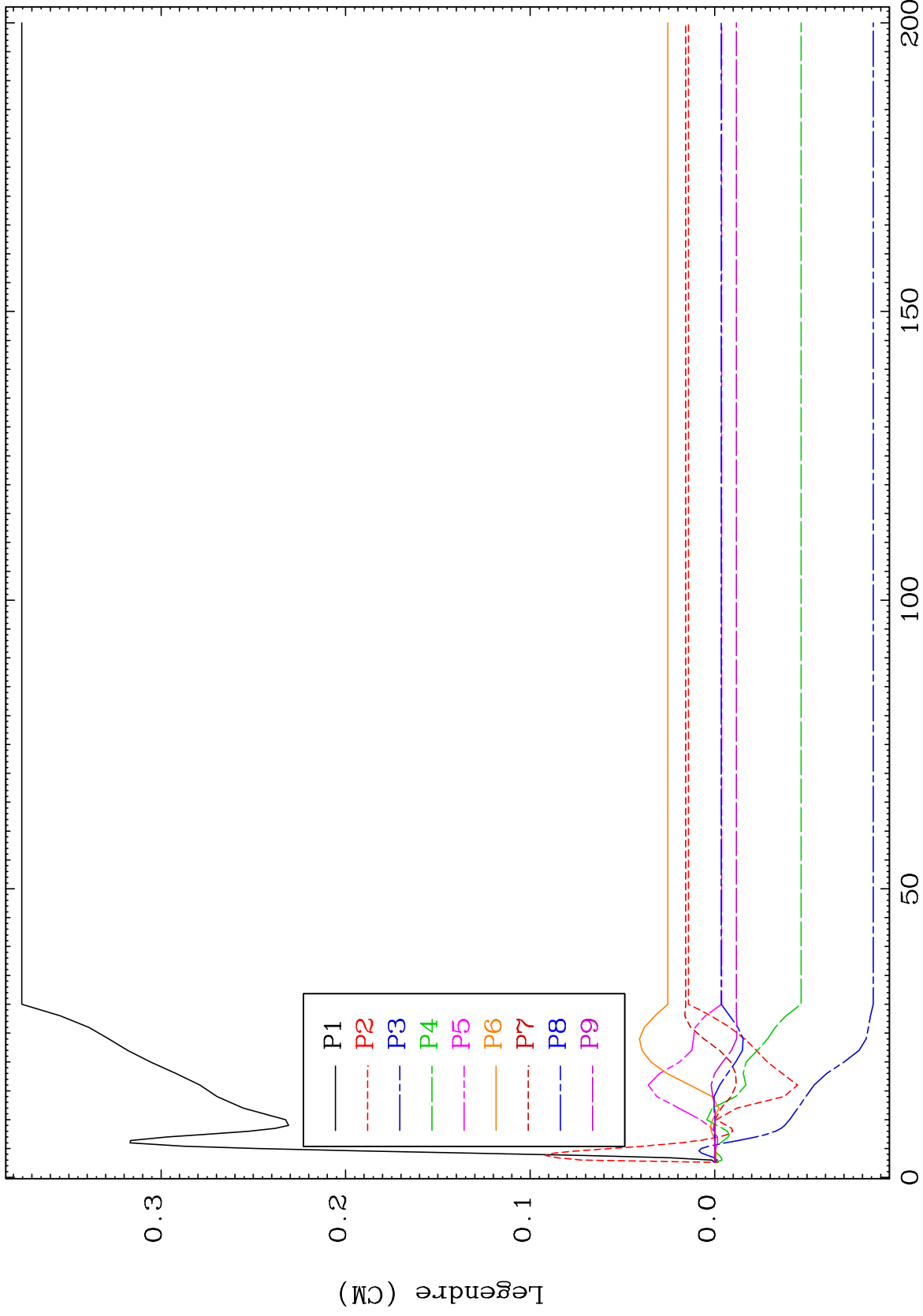




MAT 6589

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

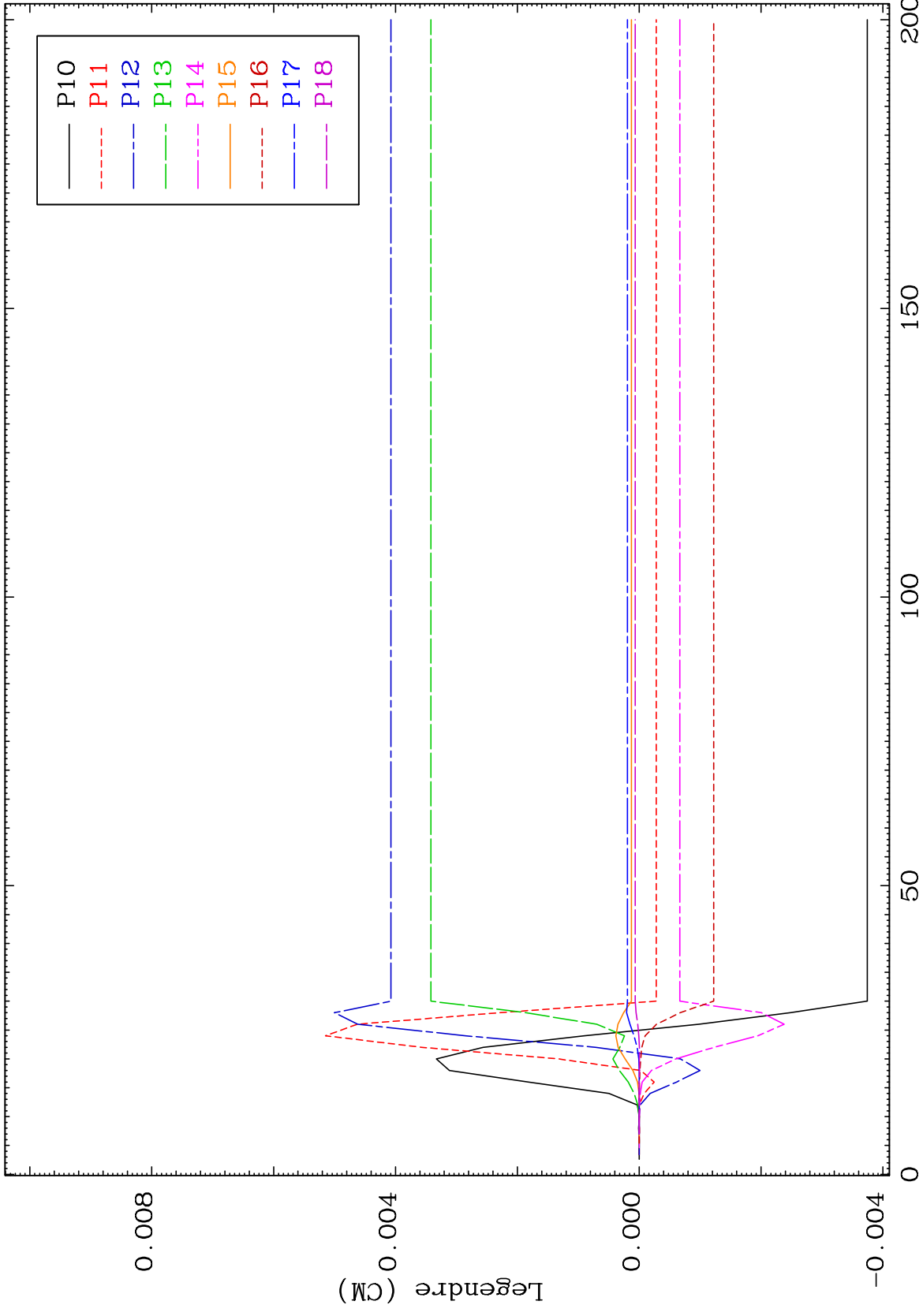
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MAT 6589

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

66-Dy-144



42

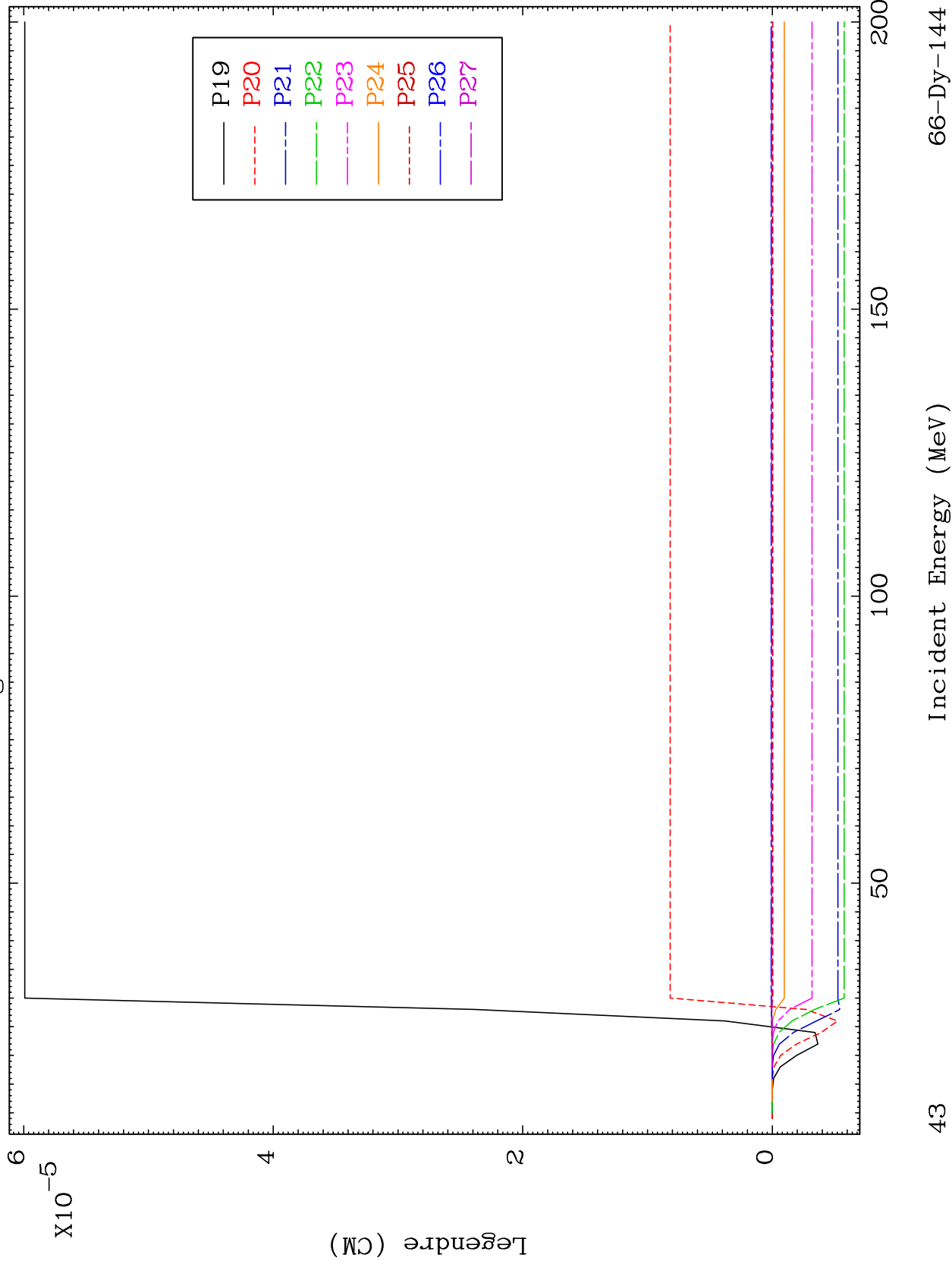
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

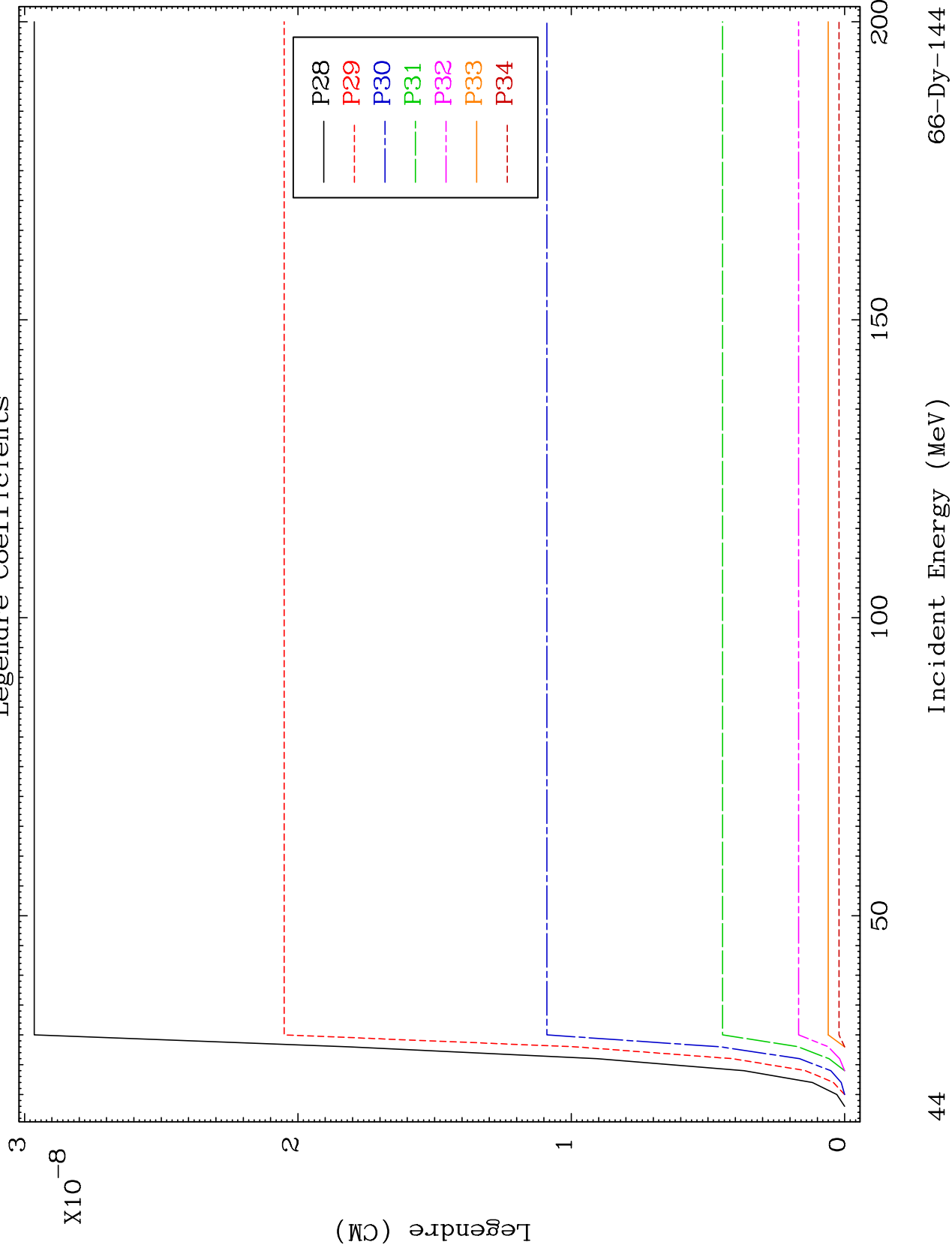
66-Dy-144



MAT 6589

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

66-Dy-144



44

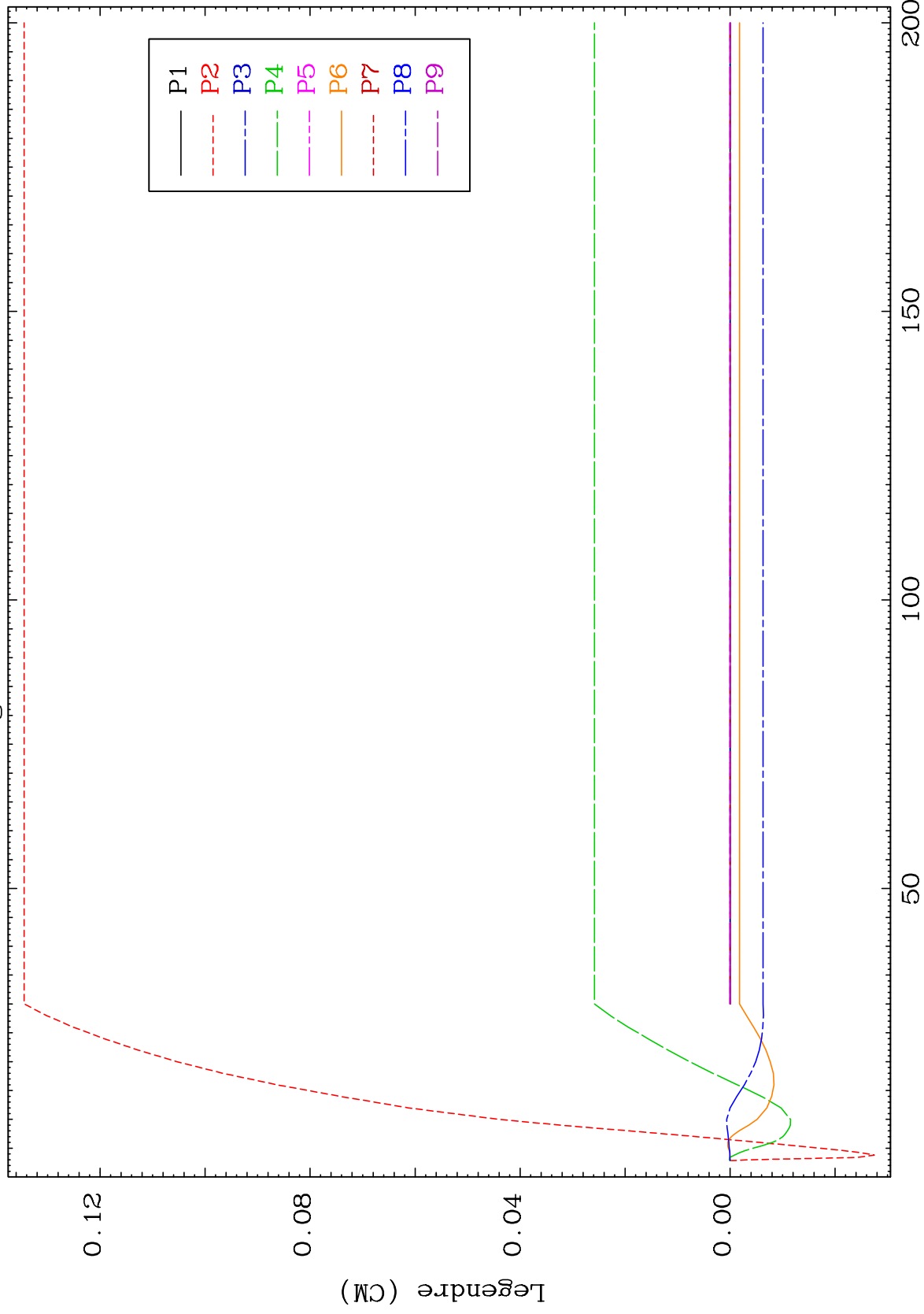
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

66-Dy-144



45

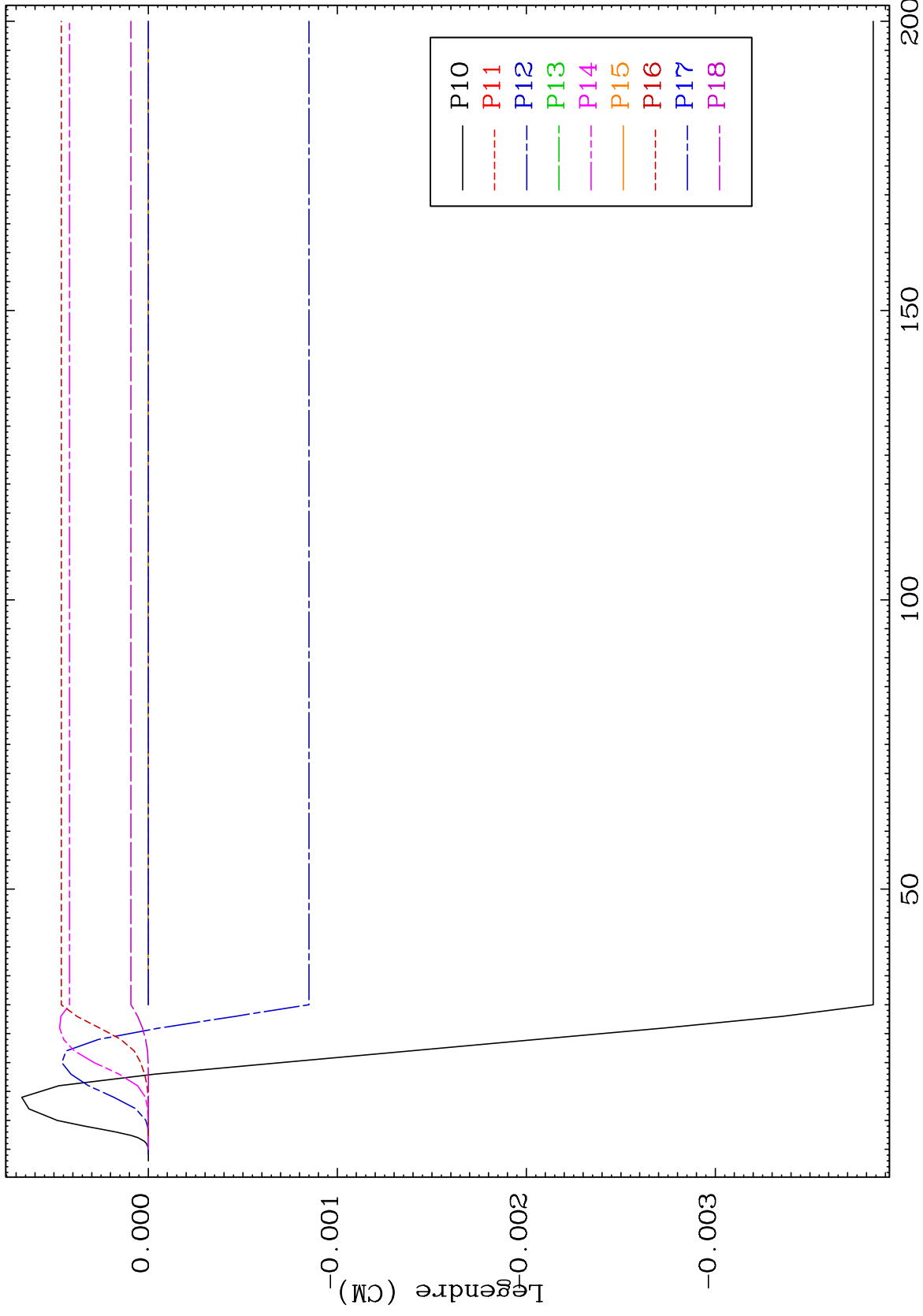
Incident Energy (MeV)

66-Dy-144

MAT 6589

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

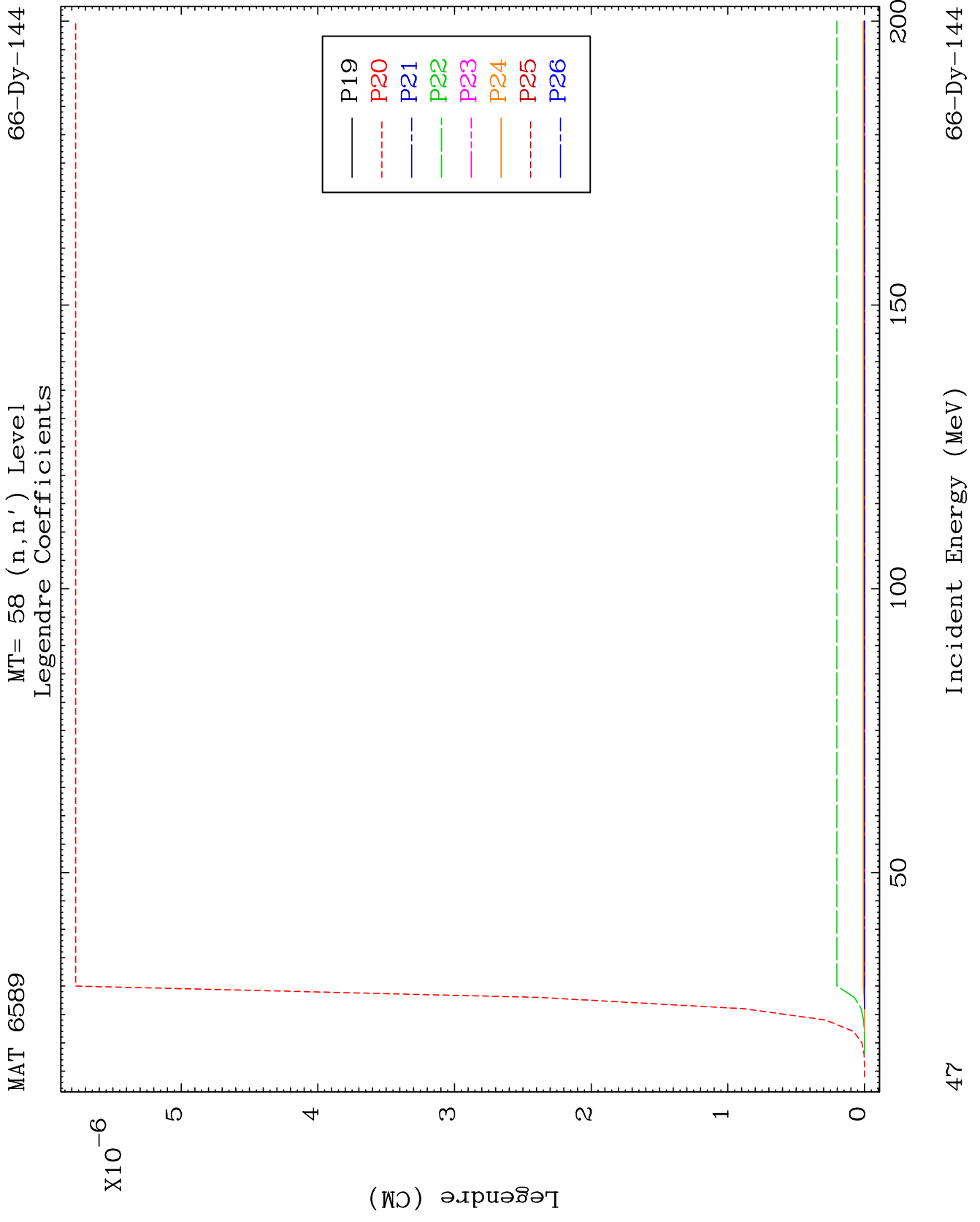
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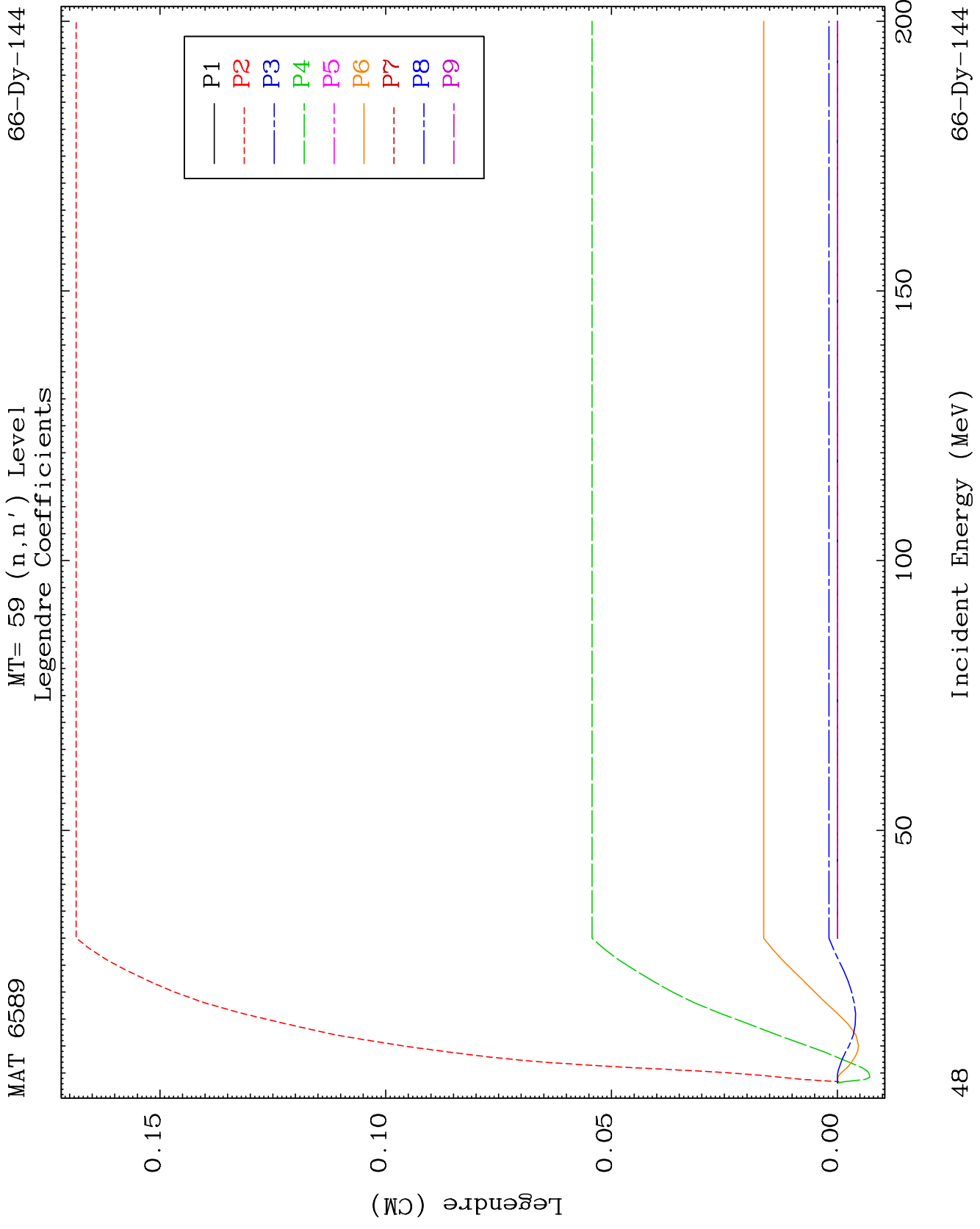
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Incident Energy (MeV)

66-Dy-144



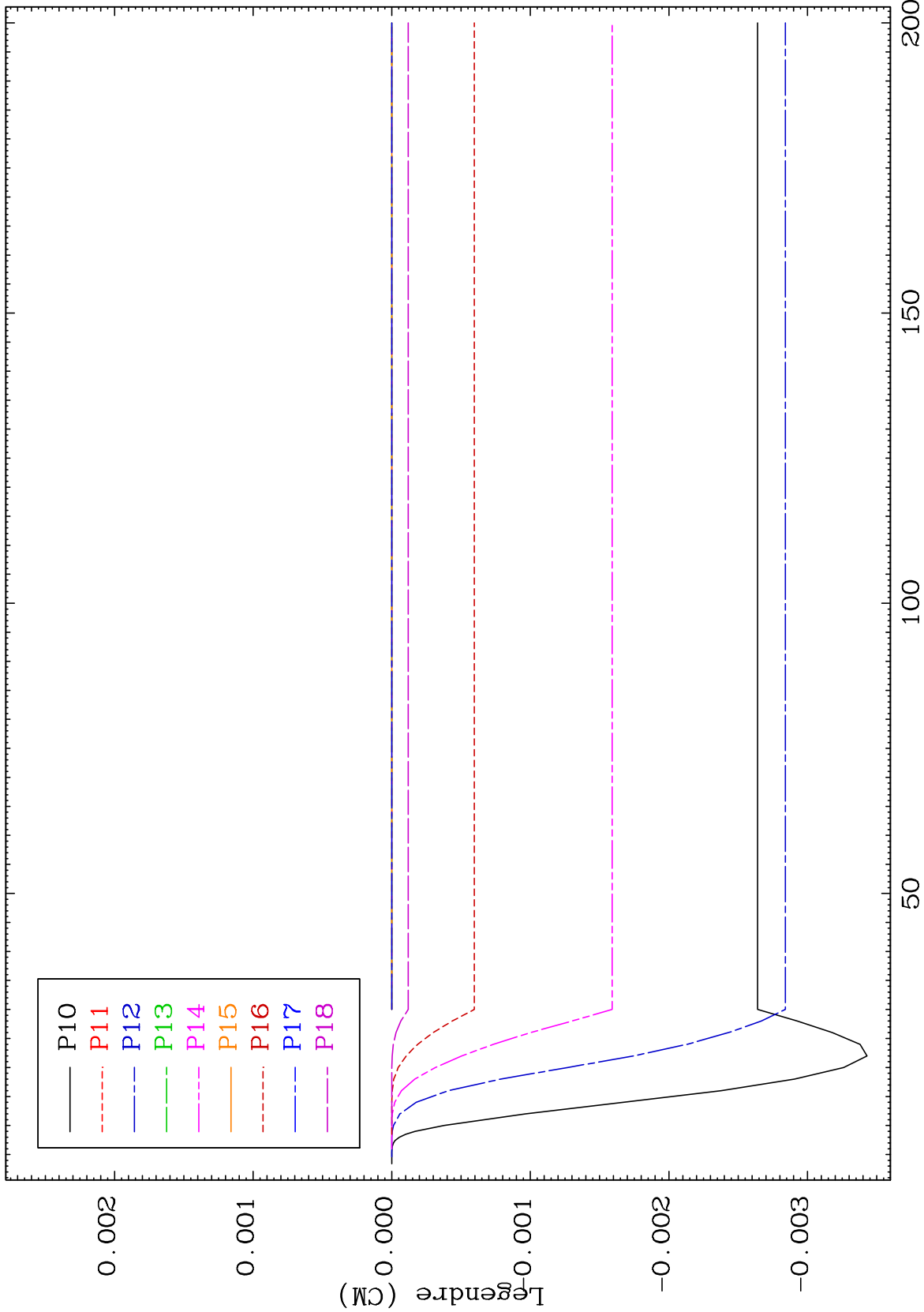




MAT 6589

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

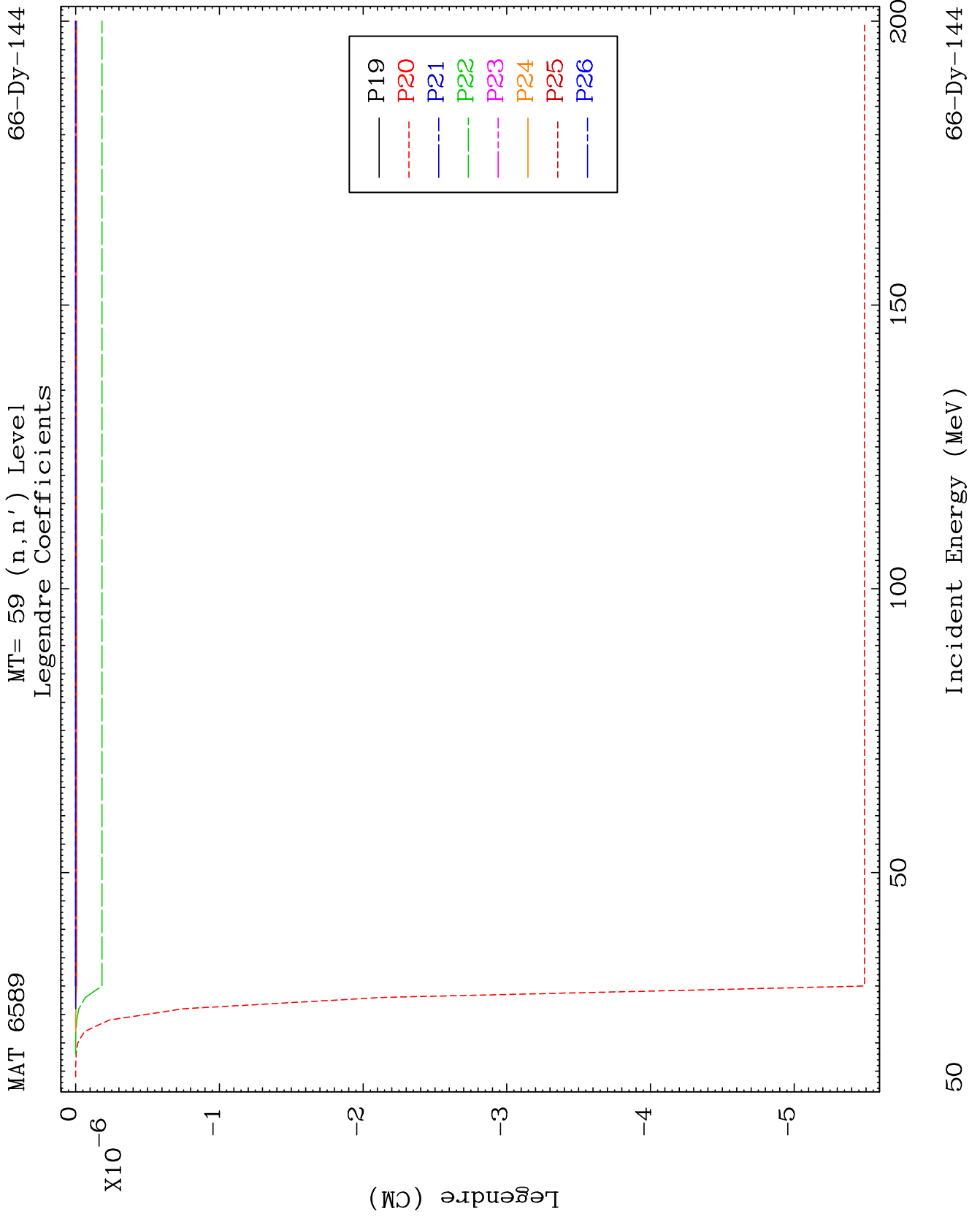
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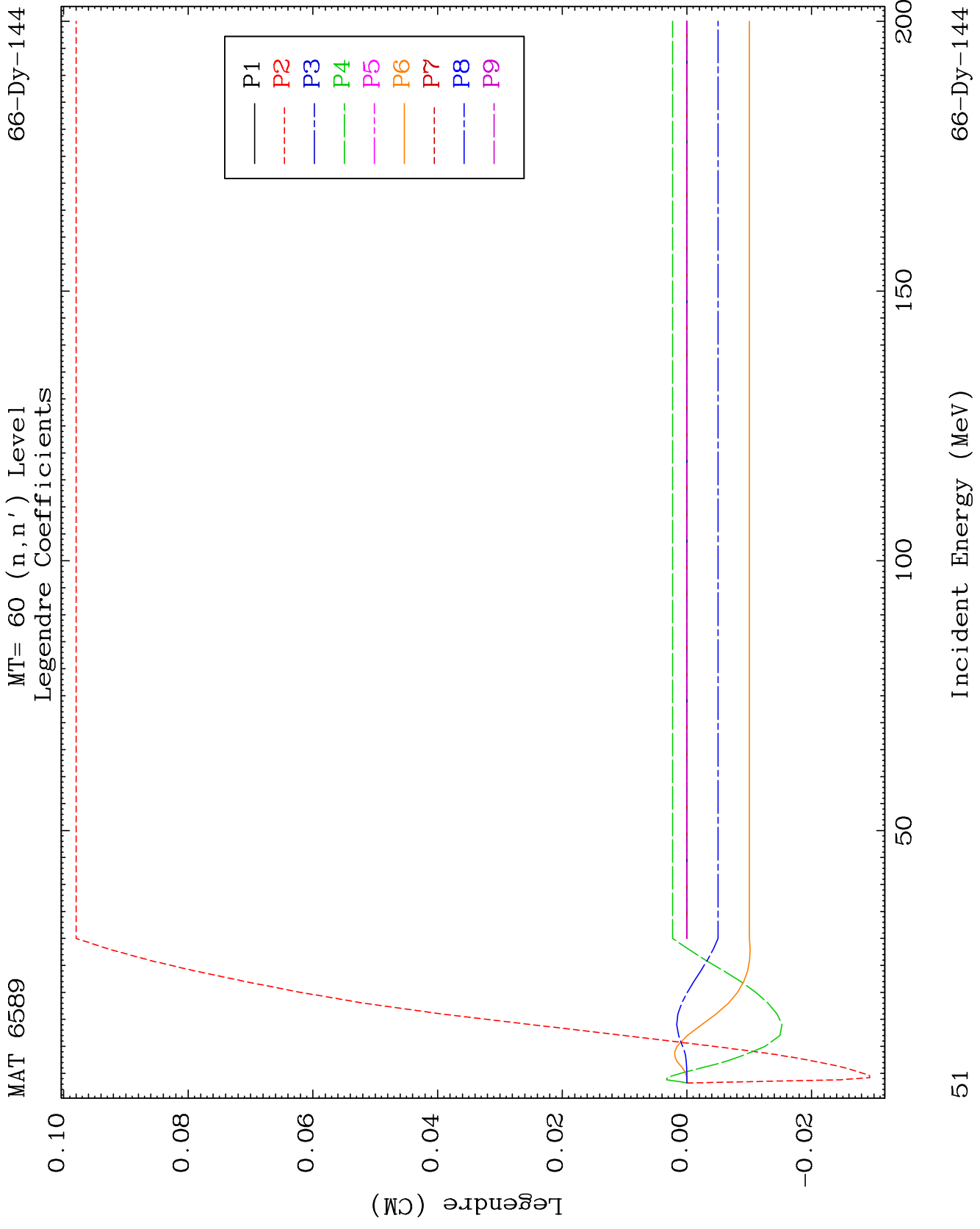


49

Incident Energy (MeV)

66-Dy-144

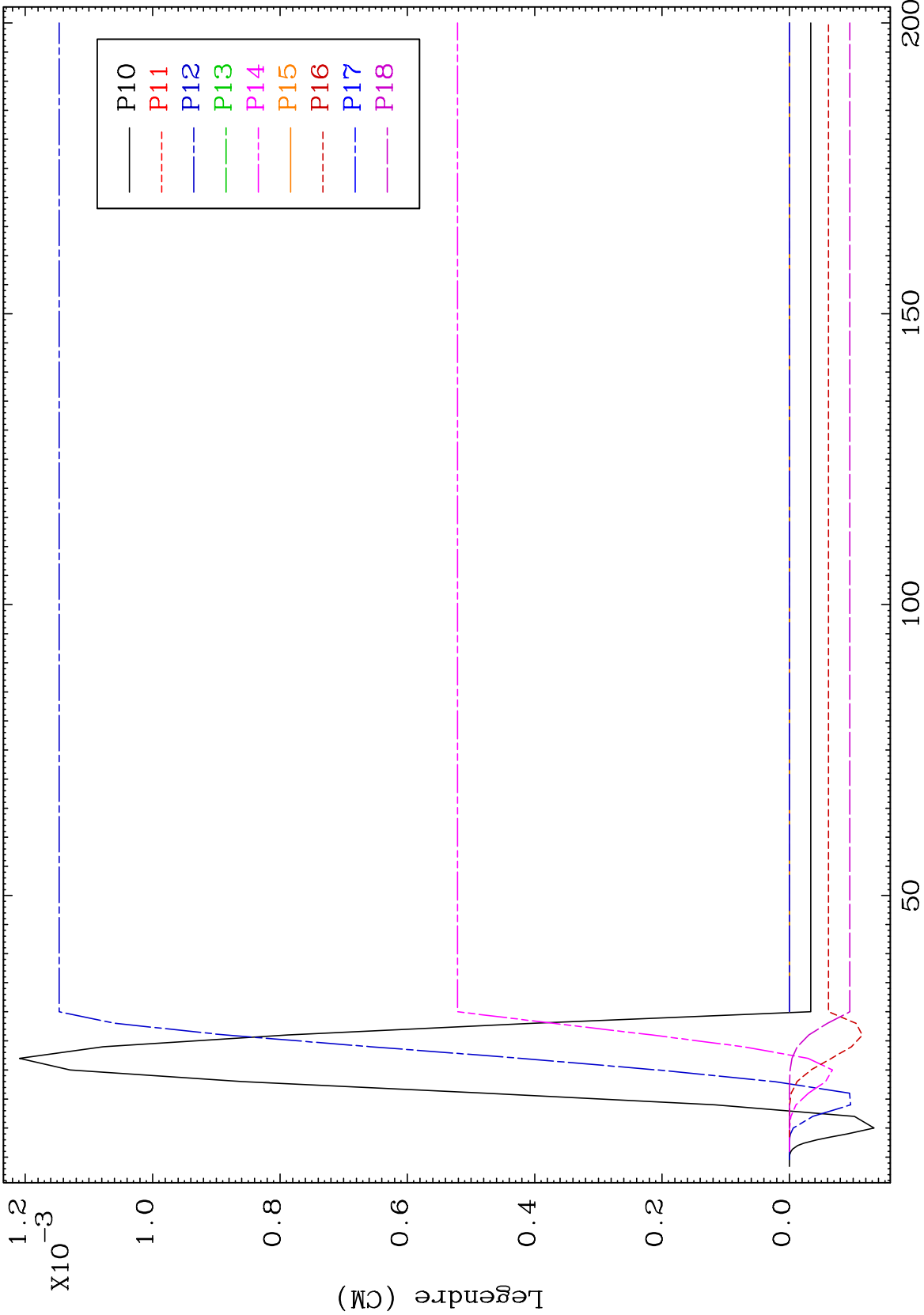




MAT 6589

MT= 60 (n,n') Level  
Legendre Coefficients

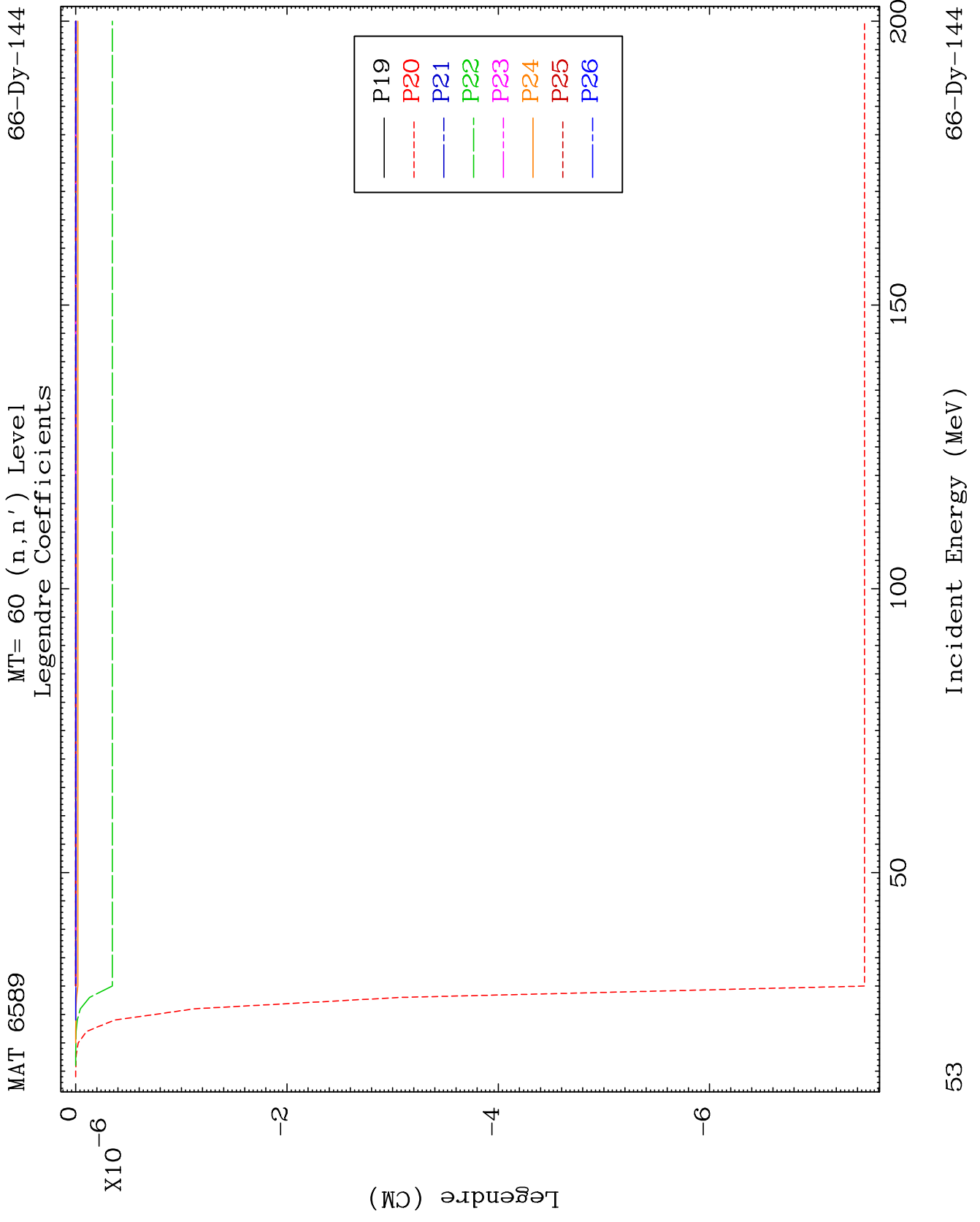
66-Dy-144



52

Incident Energy (MeV)

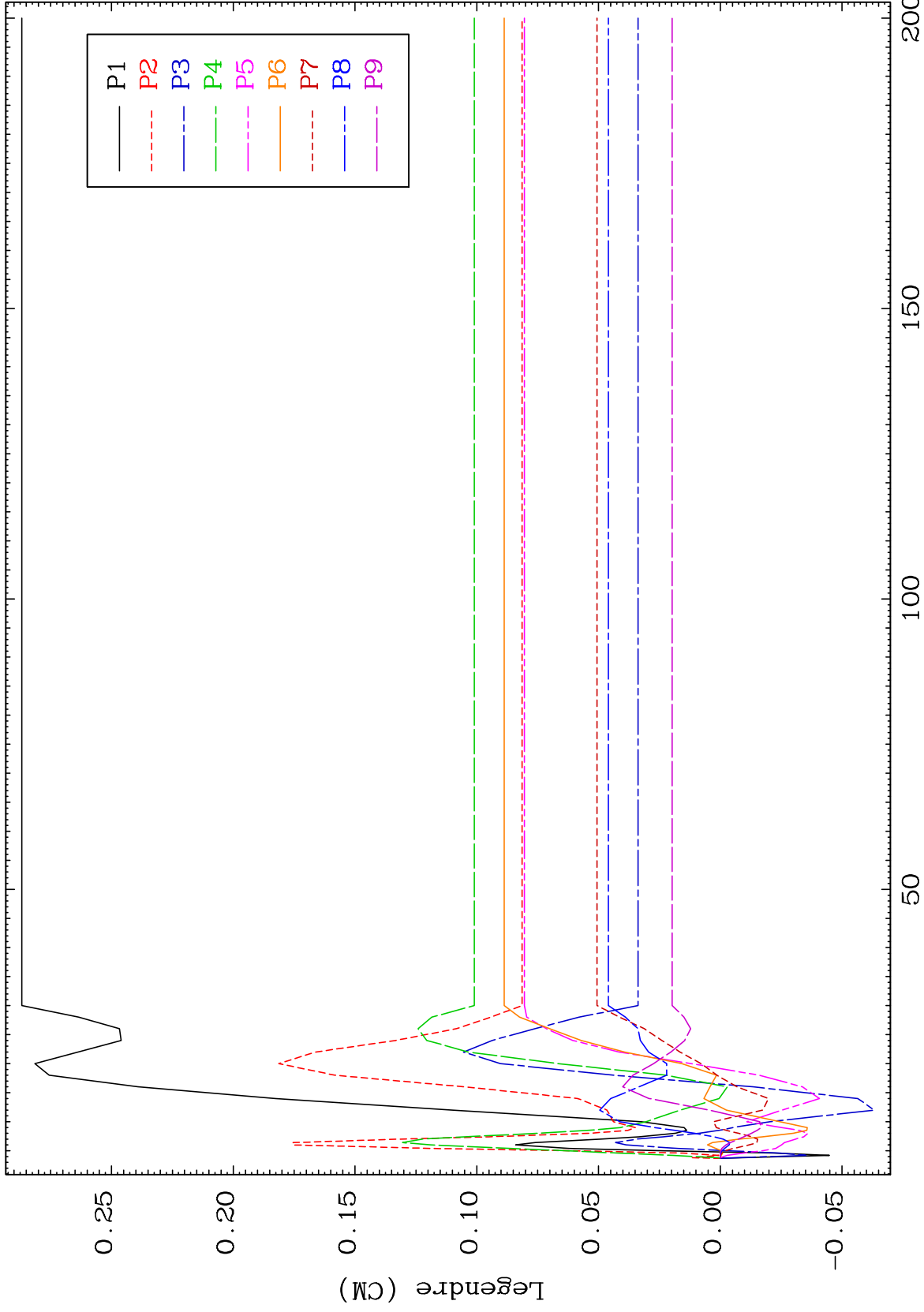
66-Dy-144



MAT 6589

MT= 61 (n,n') Level  
Legendre Coefficients

66-Dy-144



54

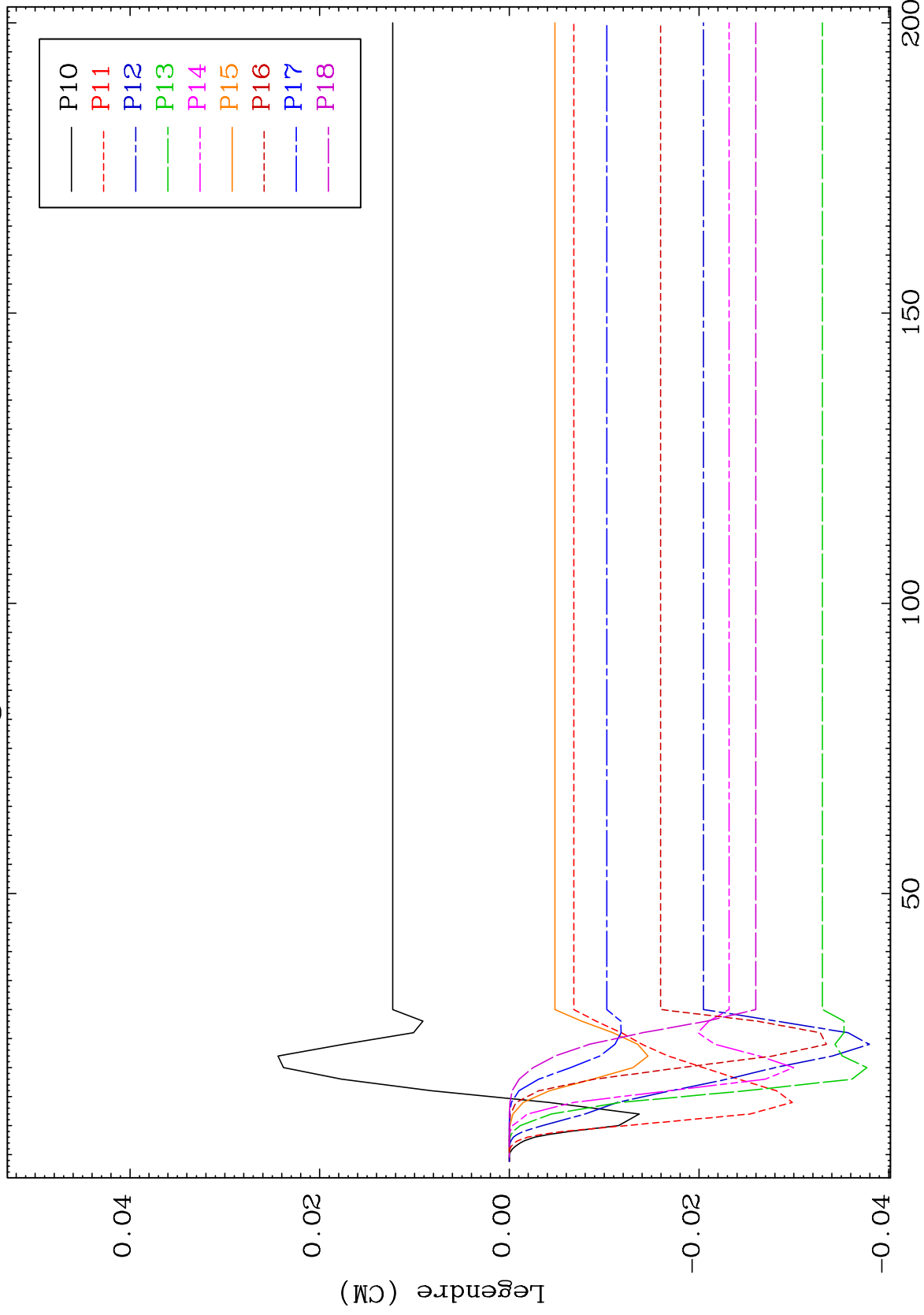
Incident Energy (MeV)

66-Dy-144

MAT 6589

MT= 61 (n,n') Level  
Legendre Coefficients

66-Dy-144

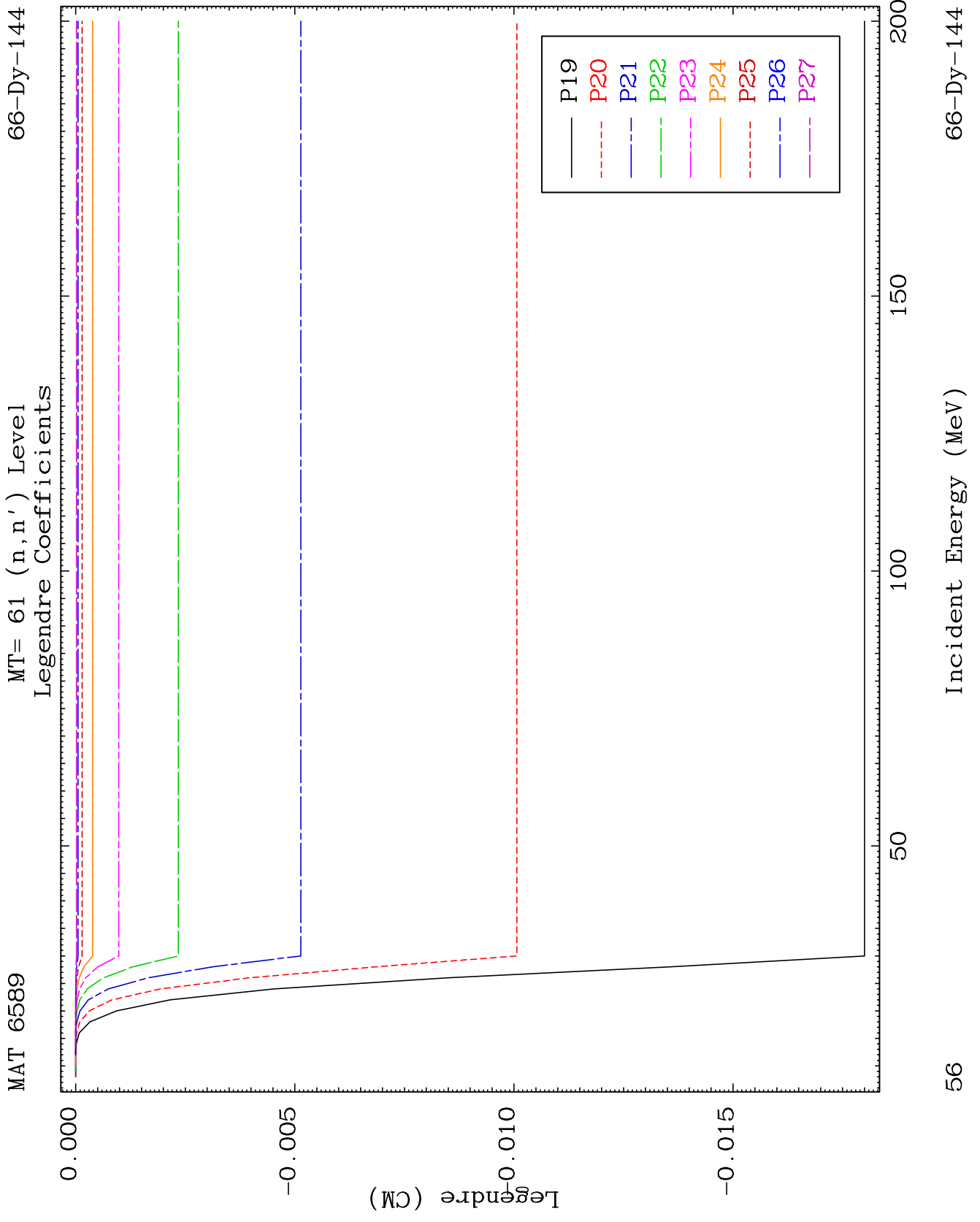


55

Incident Energy (MeV)

66-Dy-144



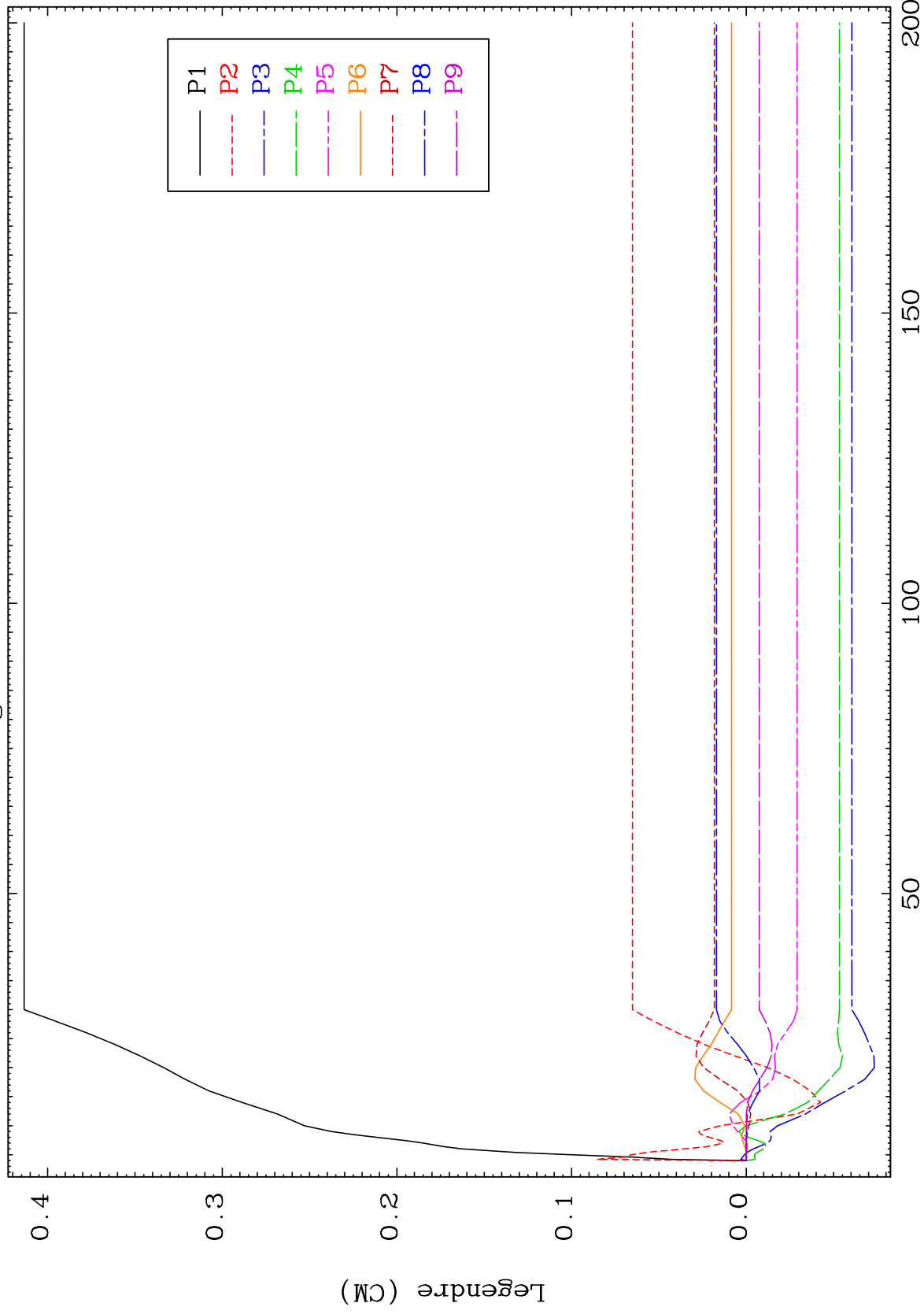




MAT 6589

MT= 62 (n,n') Level  
Legendre Coefficients

66-Dy-144



58

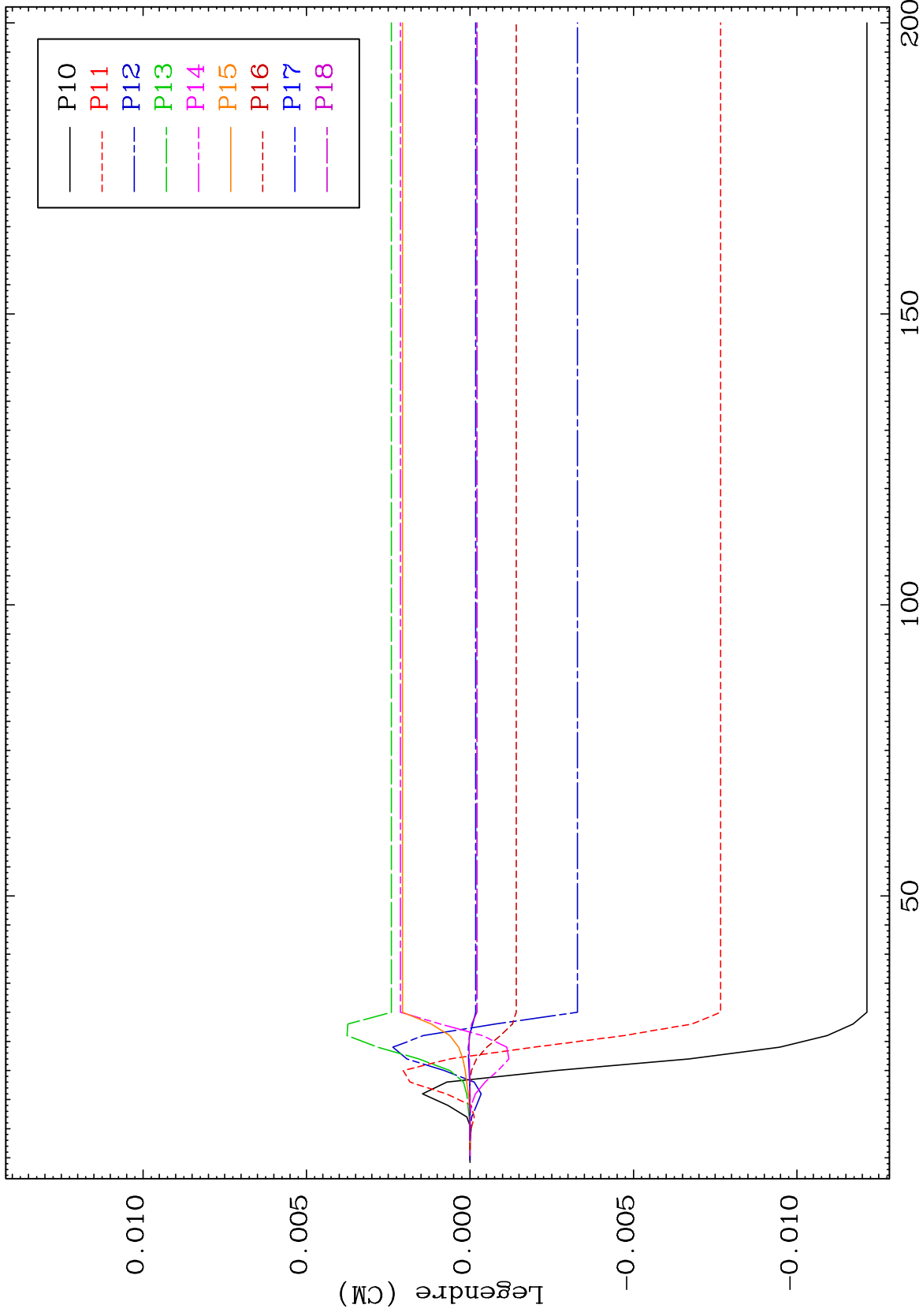
Incident Energy (MeV)

66-Dy-144

MAT 6589

MT= 62 (n,n') Level  
Legendre Coefficients

66-Dy-144



59

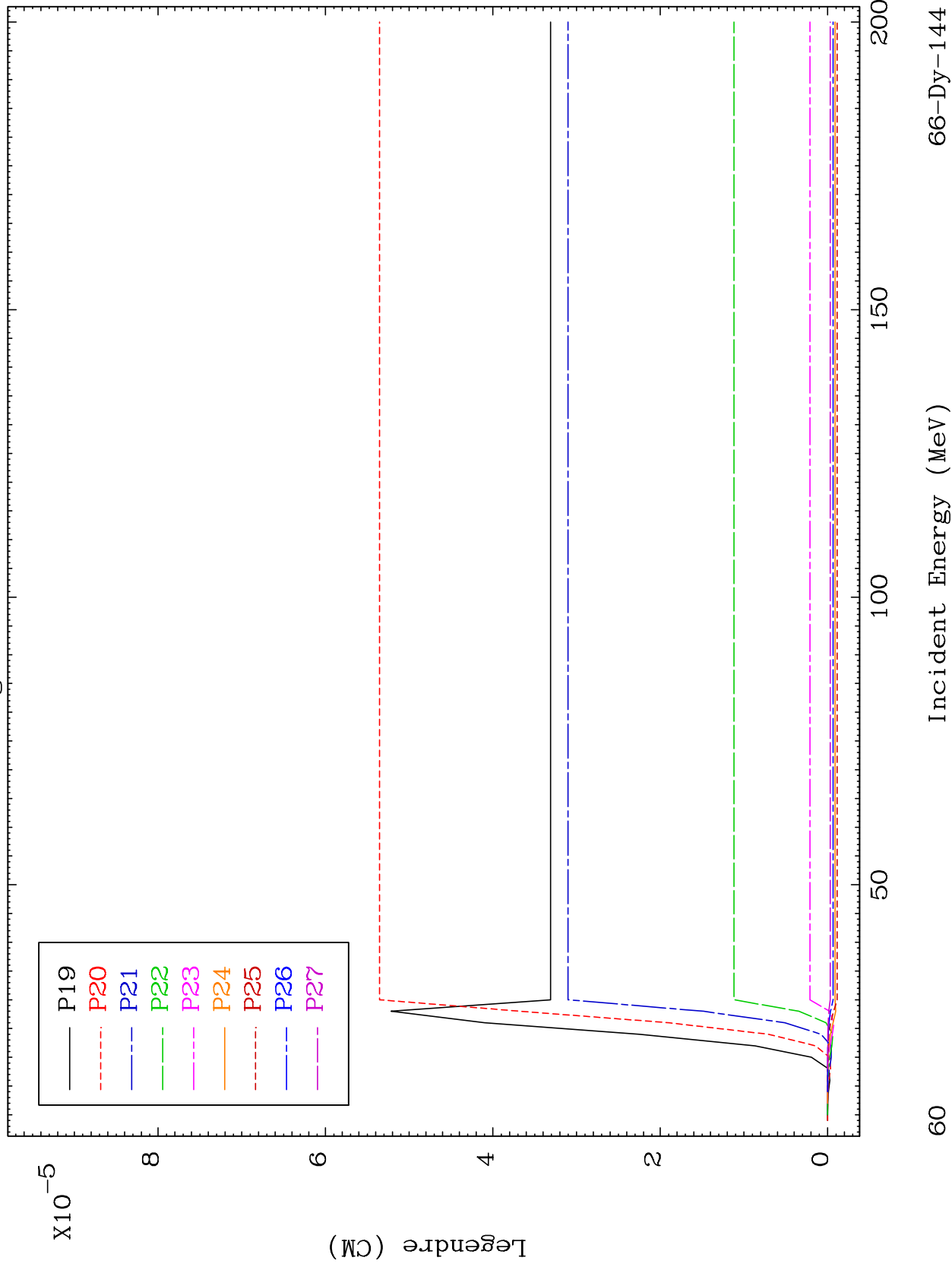
Incident Energy (MeV)

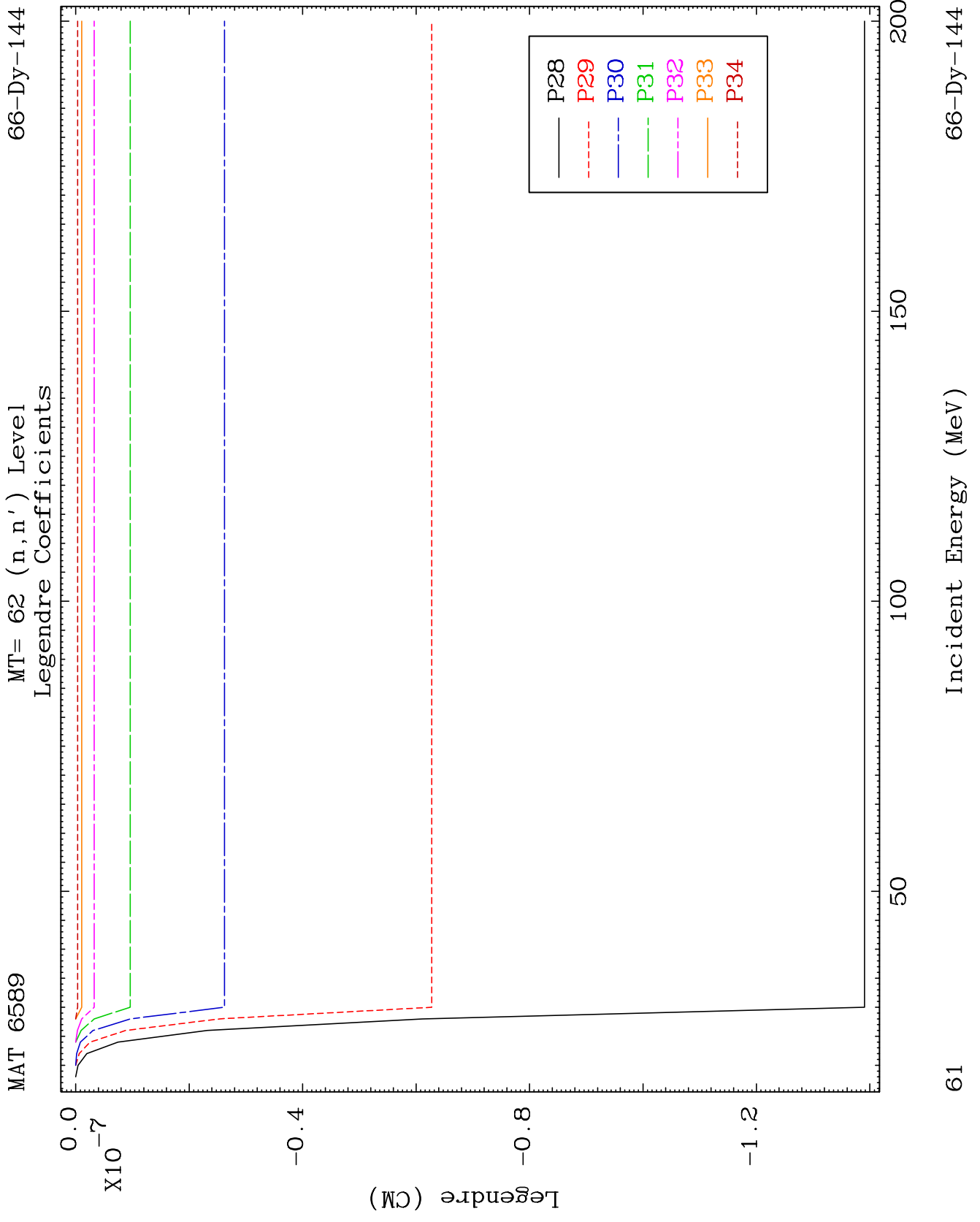
66-Dy-144

MAT 6589

MT= 62 (n,n') Level  
Legendre Coefficients

66-Dy-144

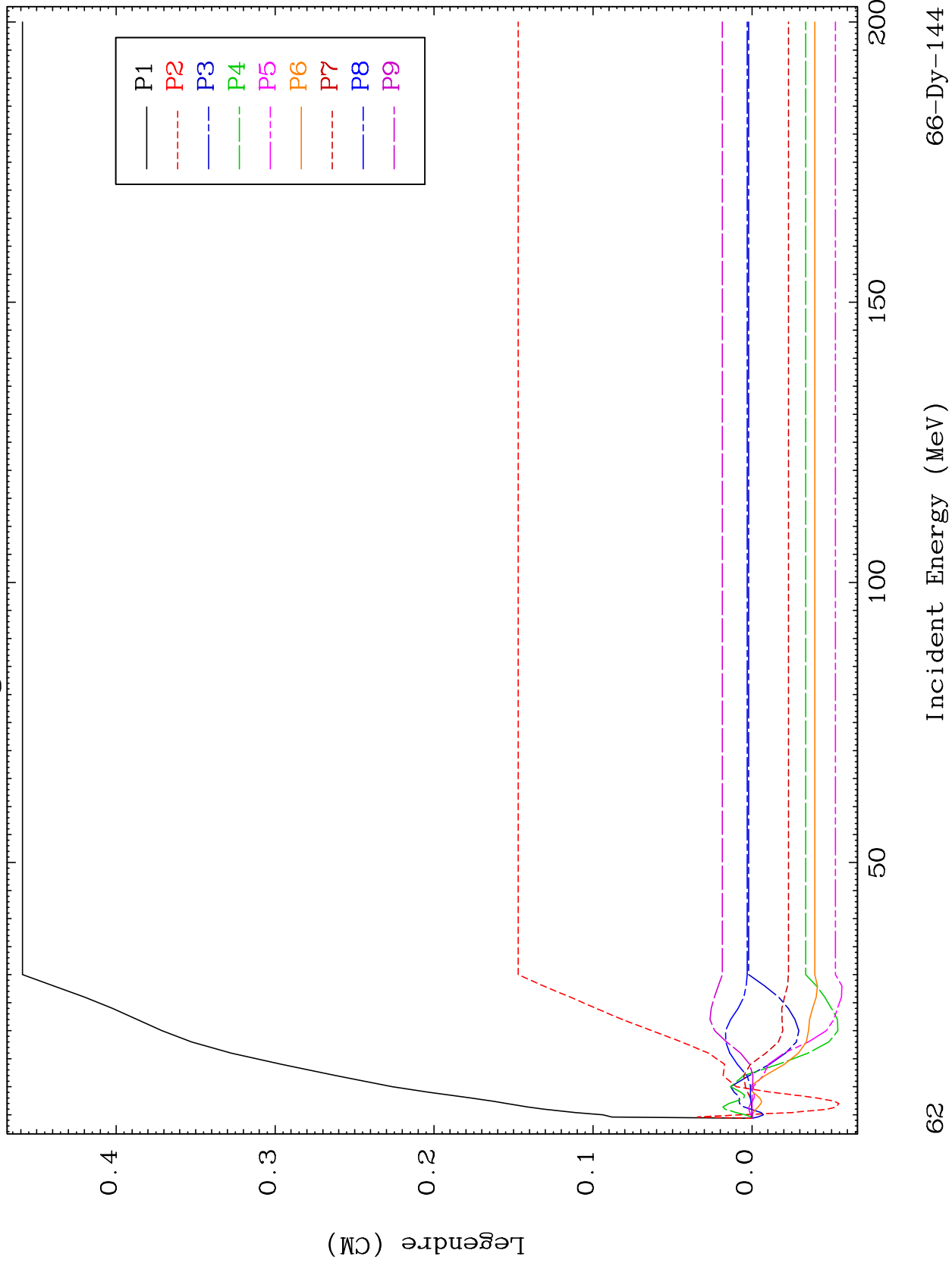




MAT 6589

MT= 63 (n,n') Level  
Legendre Coefficients

66-Dy-144



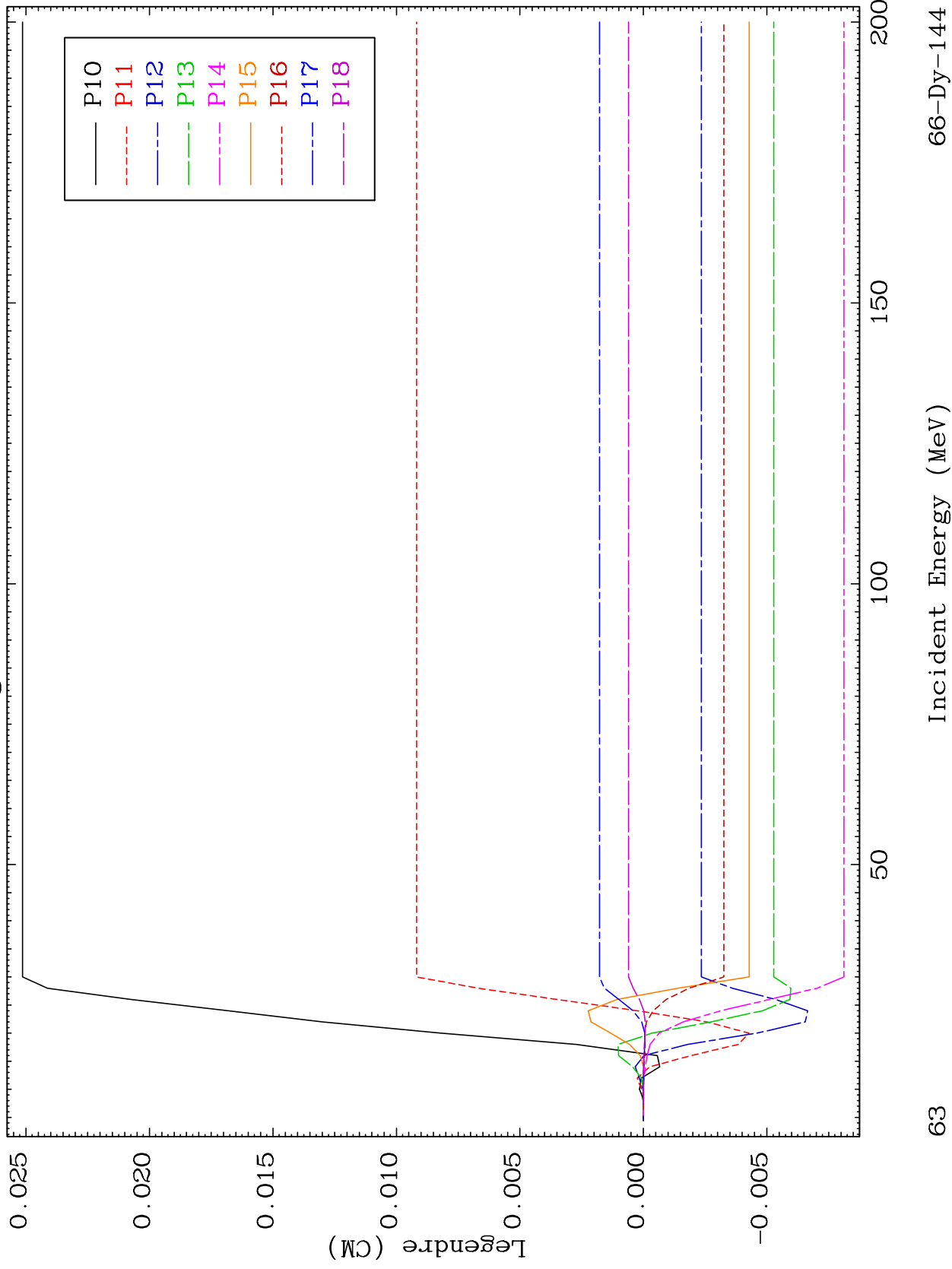
62

66-Dy-144

MAT 6589

MT= 63 (n,n') Level  
Legendre Coefficients

66-Dy-144



63

Incident Energy (MeV)

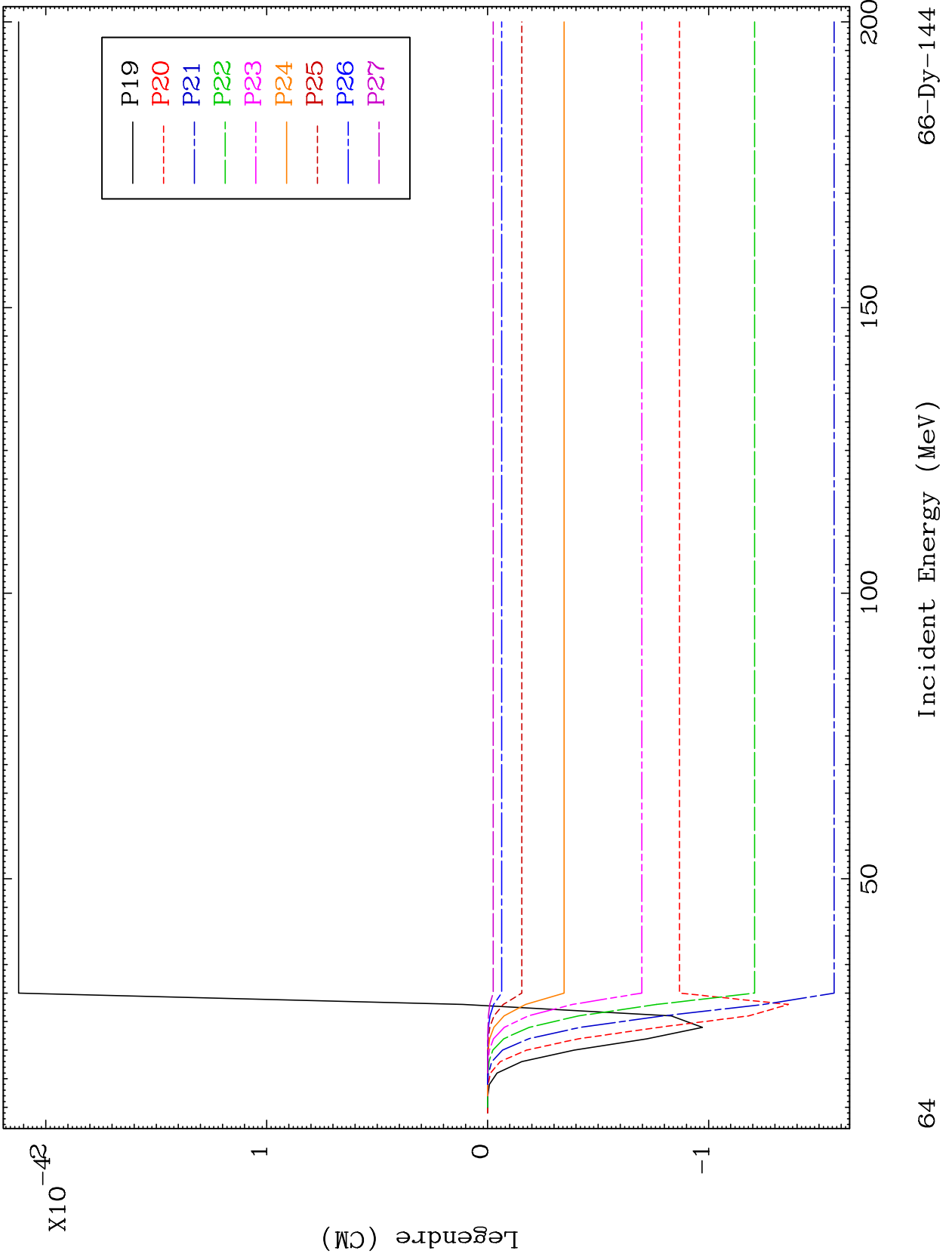
66-Dy-144



MAT 6589

MT= 63 (n,n') Level  
Legendre Coefficients

66-Dy-144

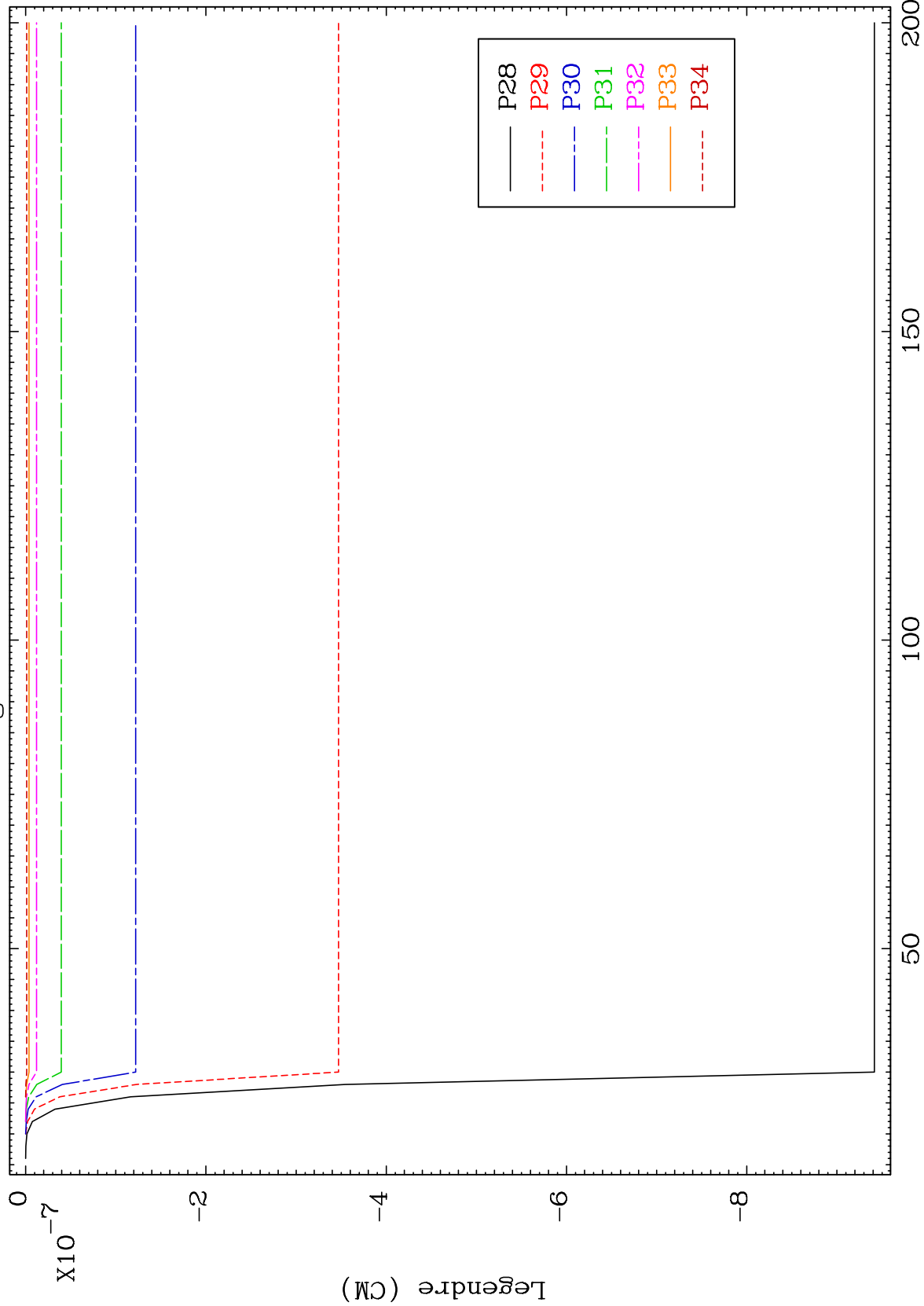


MAT 6589

MT= 63 (n,n') Level

66-Dy-144

Legendre Coefficients



65

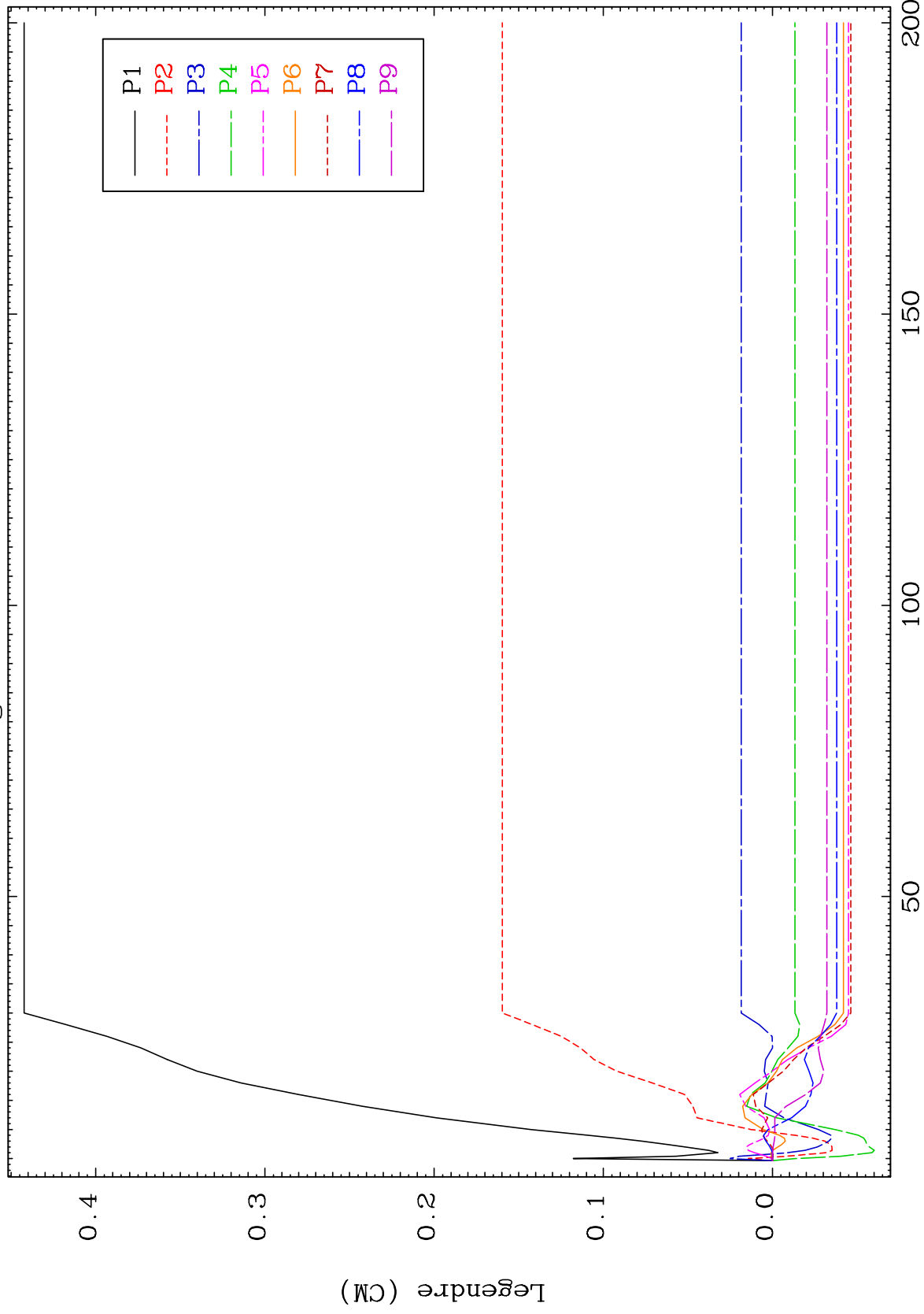
Incident Energy (MeV)

66-Dy-144

MAT 6589

MT= 64 (n,n') Level  
Legendre Coefficients

66-Dy-144



66

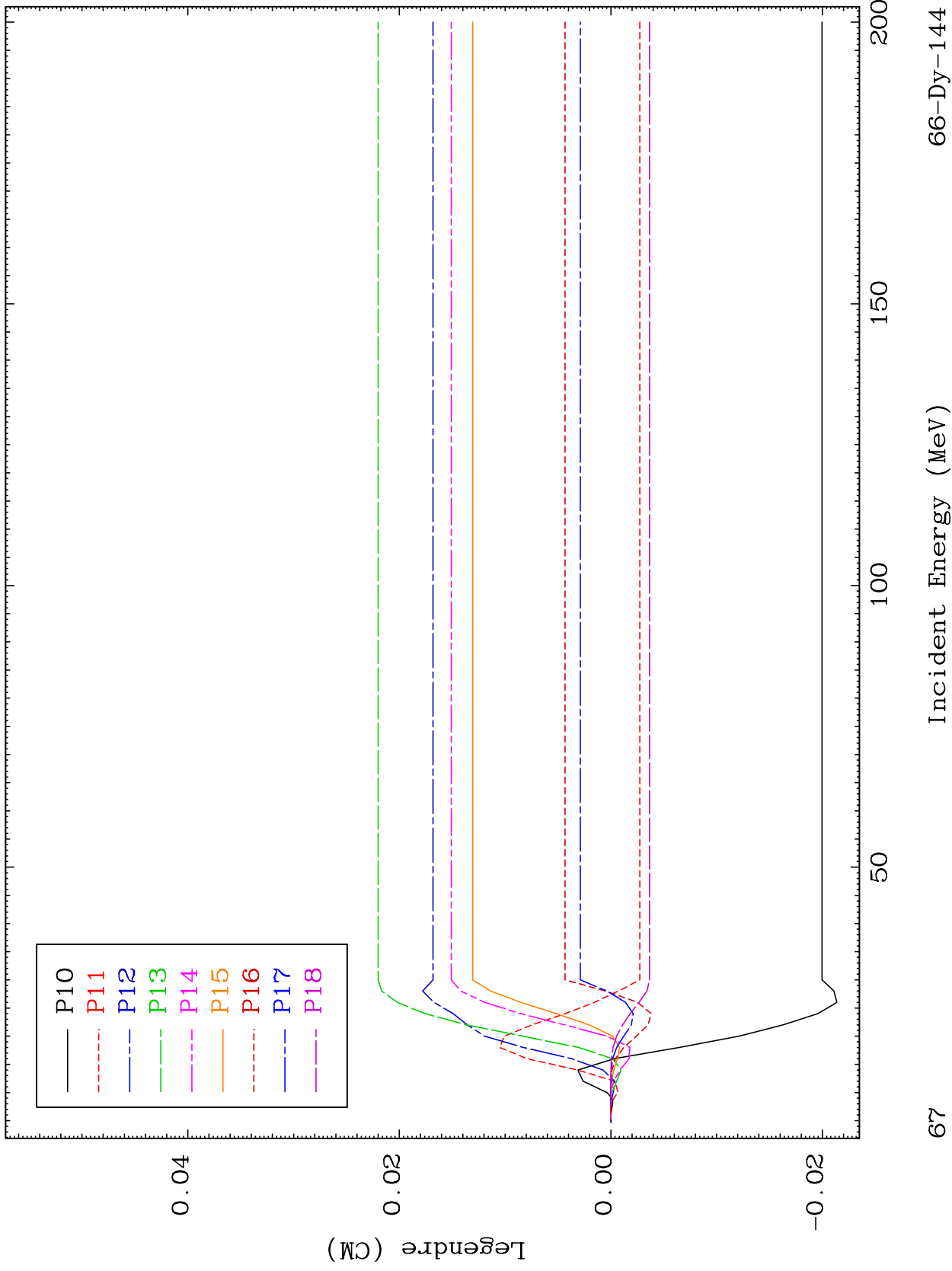
Incident Energy (MeV)

66-Dy-144

MAT 6589

MT= 64 (n,n') Level  
Legendre Coefficients

66-Dy-144



67

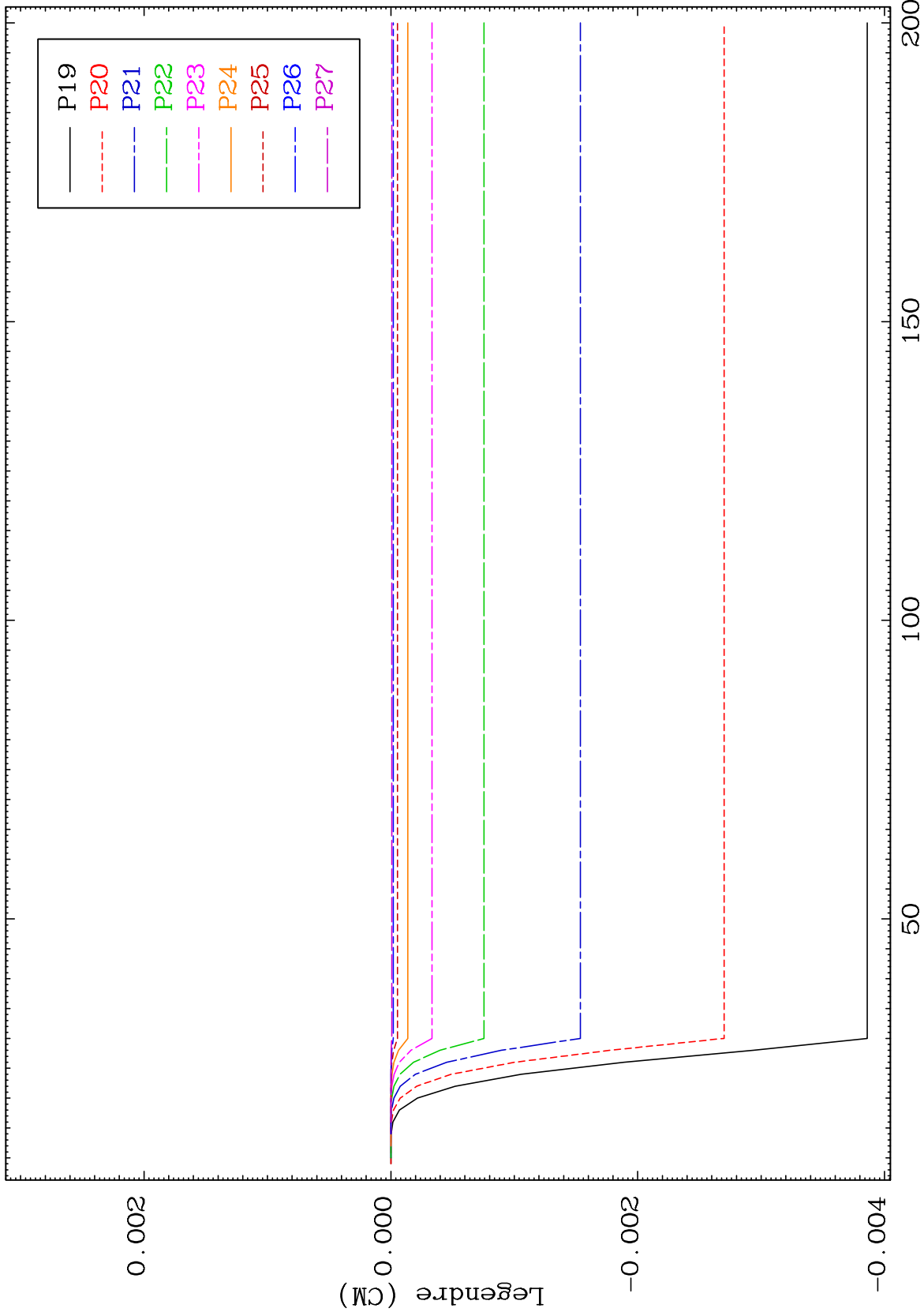
Incident Energy (MeV)

66-Dy-144

MAT 6589

MT= 64 (n,n') Level  
Legendre Coefficients

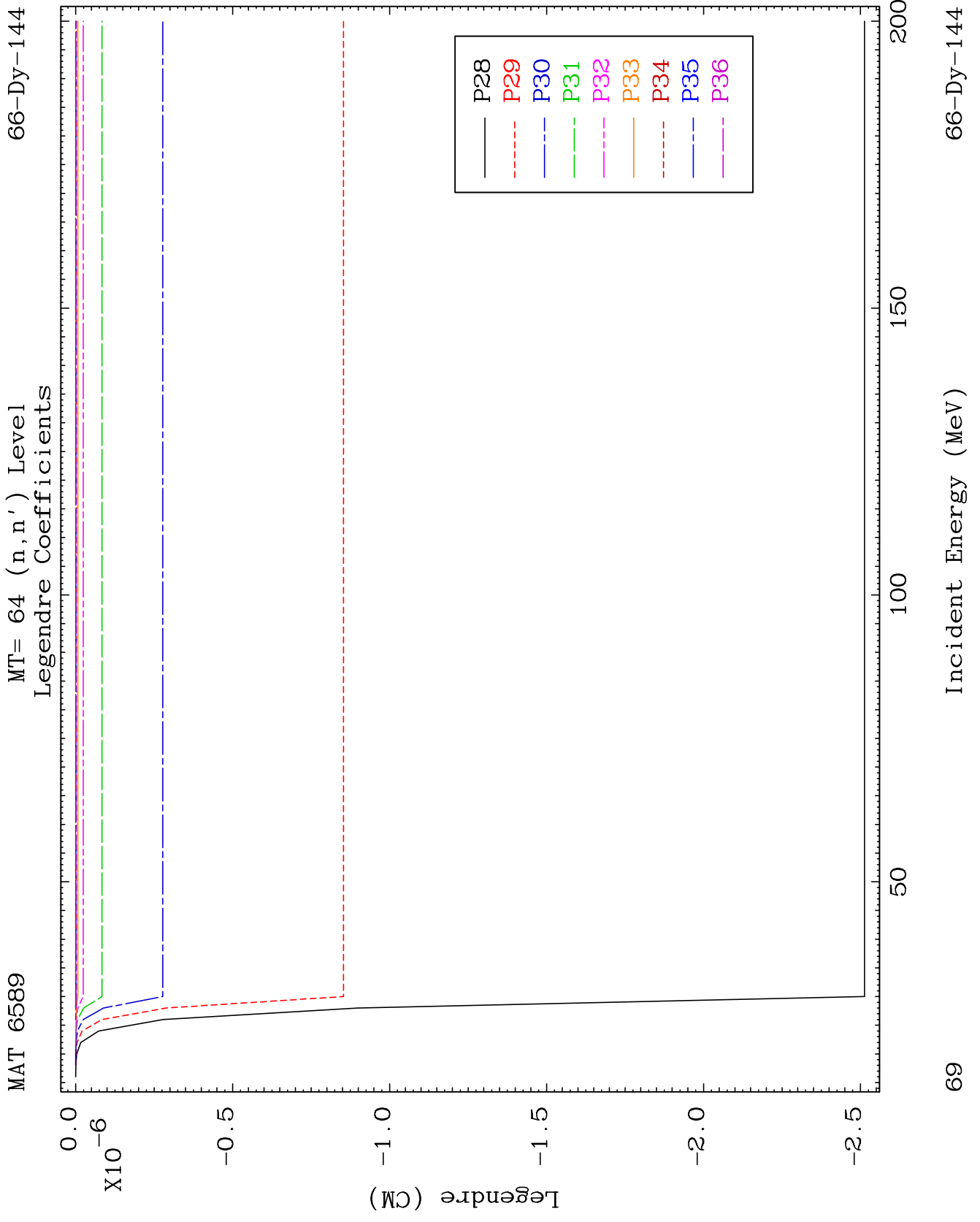
66-Dy-144



68

Incident Energy (MeV)

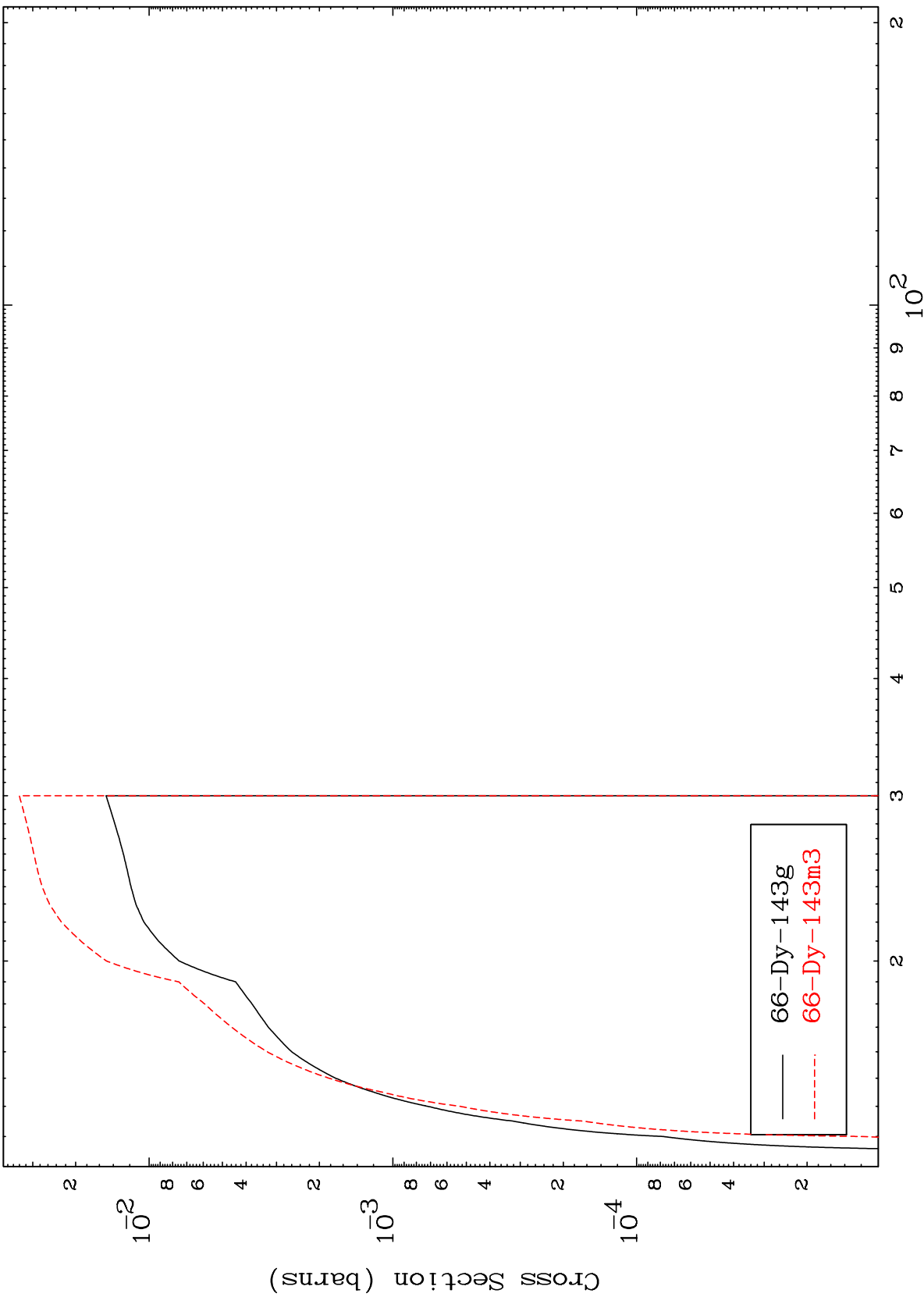
66-Dy-144



MAT 6589

66-Dy-144

(n,2n)  
Radionuclide Production Cross Section



70

Incident Energy (MeV)

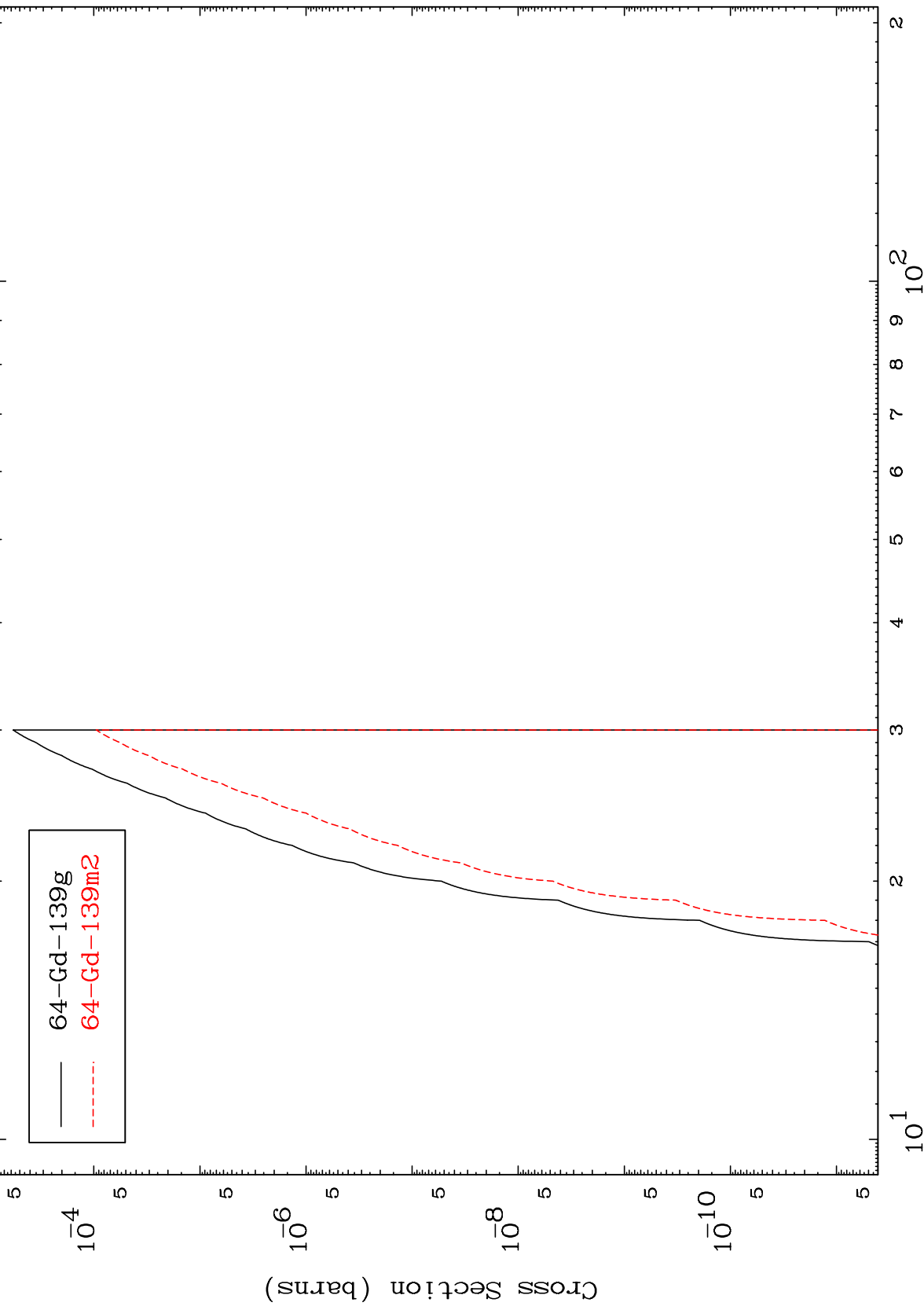
66-Dy-144

MAT 6589

(n,2n)  $\alpha$

66-Dy-144

Radionuclide Production Cross Section



71

Incident Energy (MeV)

66-Dy-144

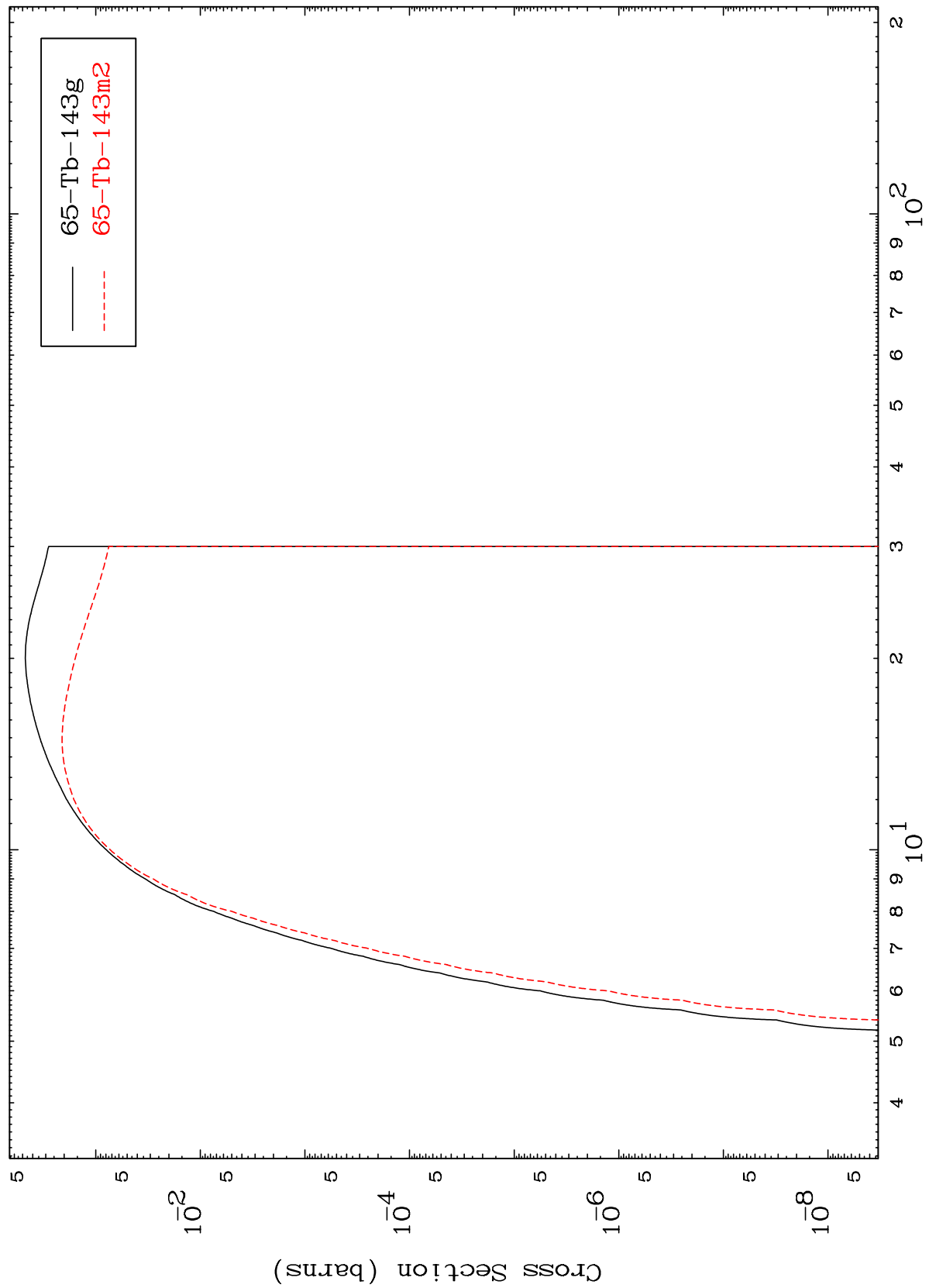


MAT 6589

(n,n') p

66-Dy-144

Radionuclide Production Cross Section



72

Incident Energy (MeV)

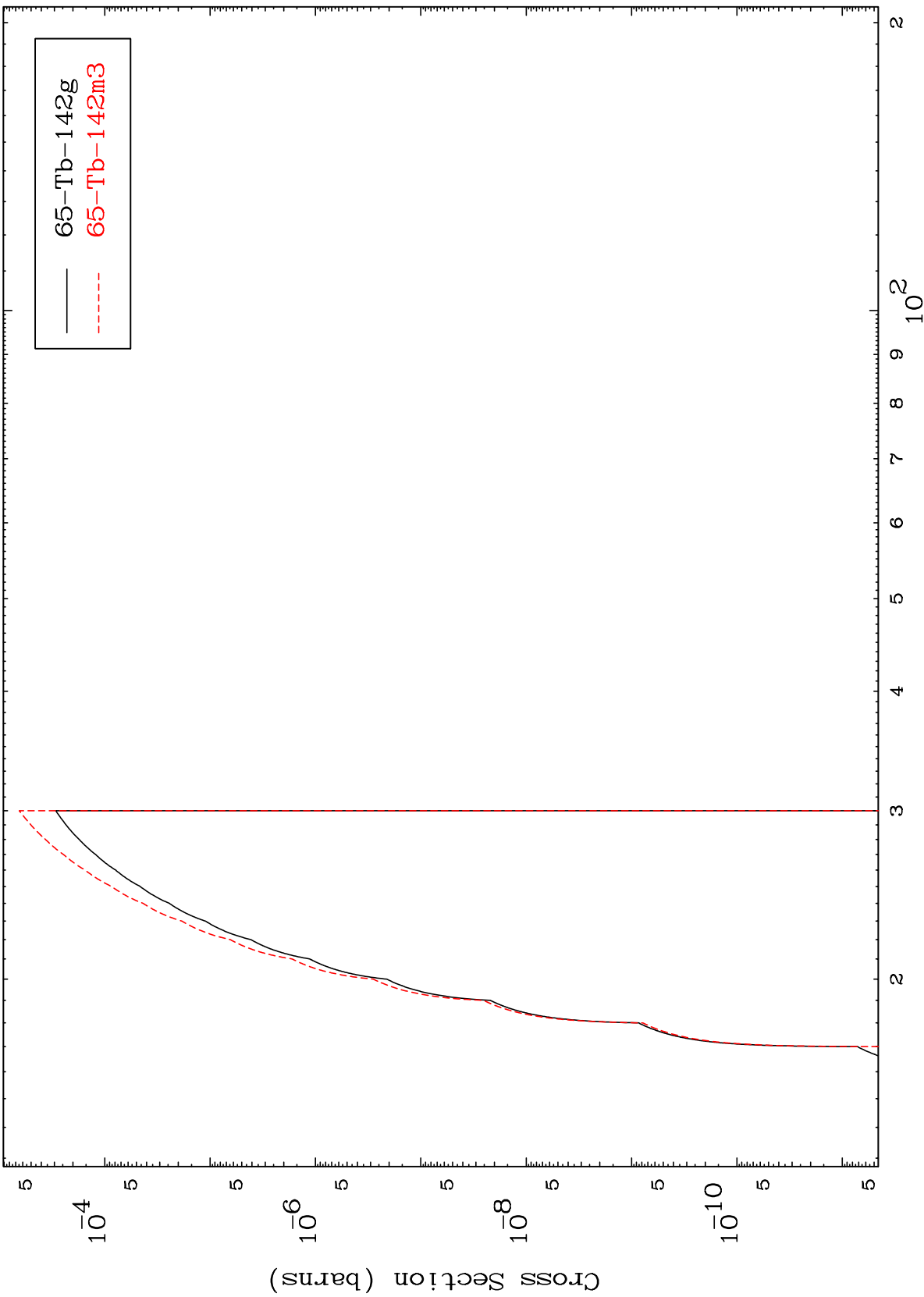
66-Dy-144

MAT 6589

(n,n') d

66-Dy-144

Radionuclide Production Cross Section



73

Incident Energy (MeV)

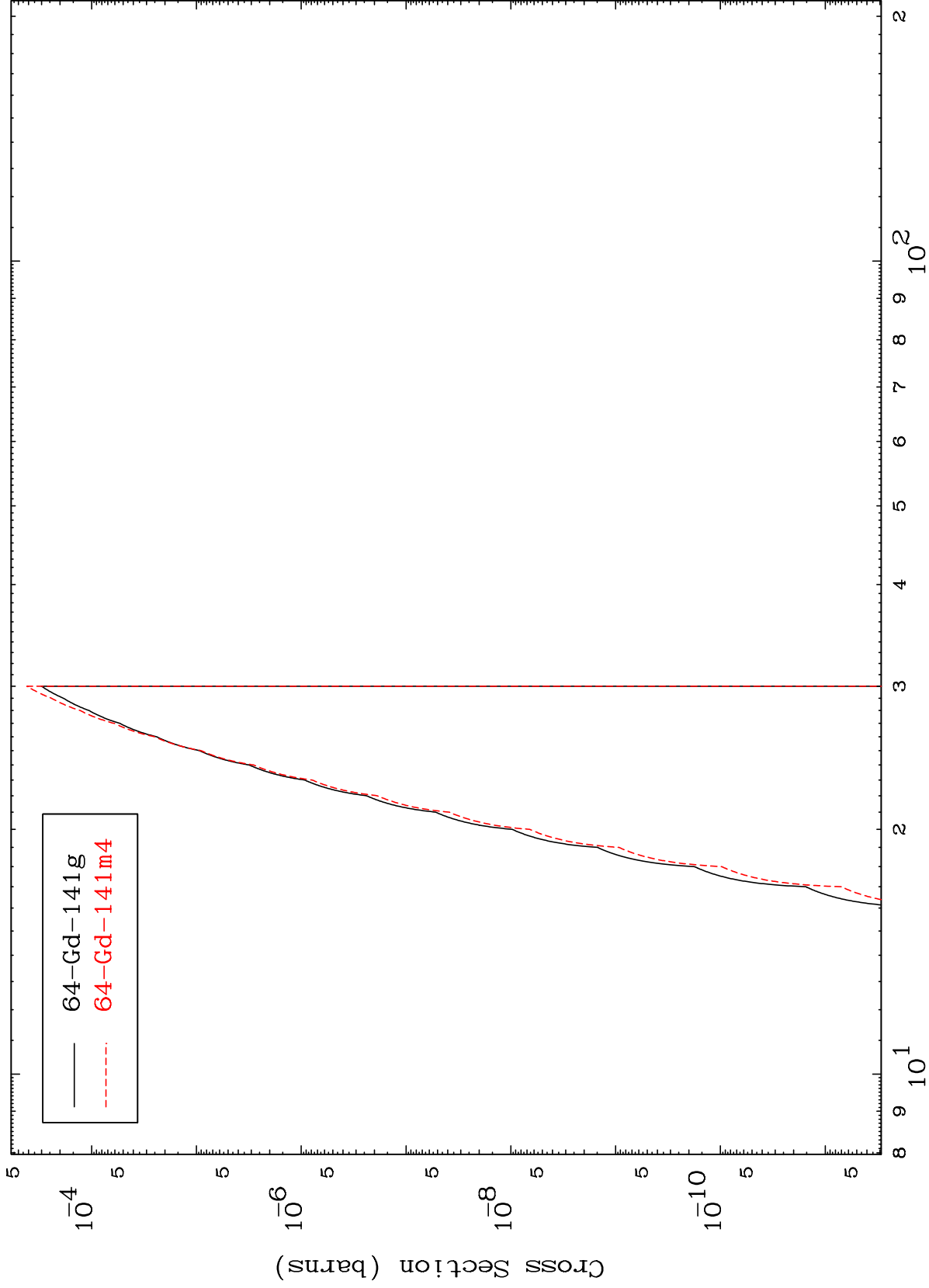
66-Dy-144

MAT 6589

(n,n') He-3

66-Dy-144

Radionuclide Production Cross Section



74

Incident Energy (MeV)

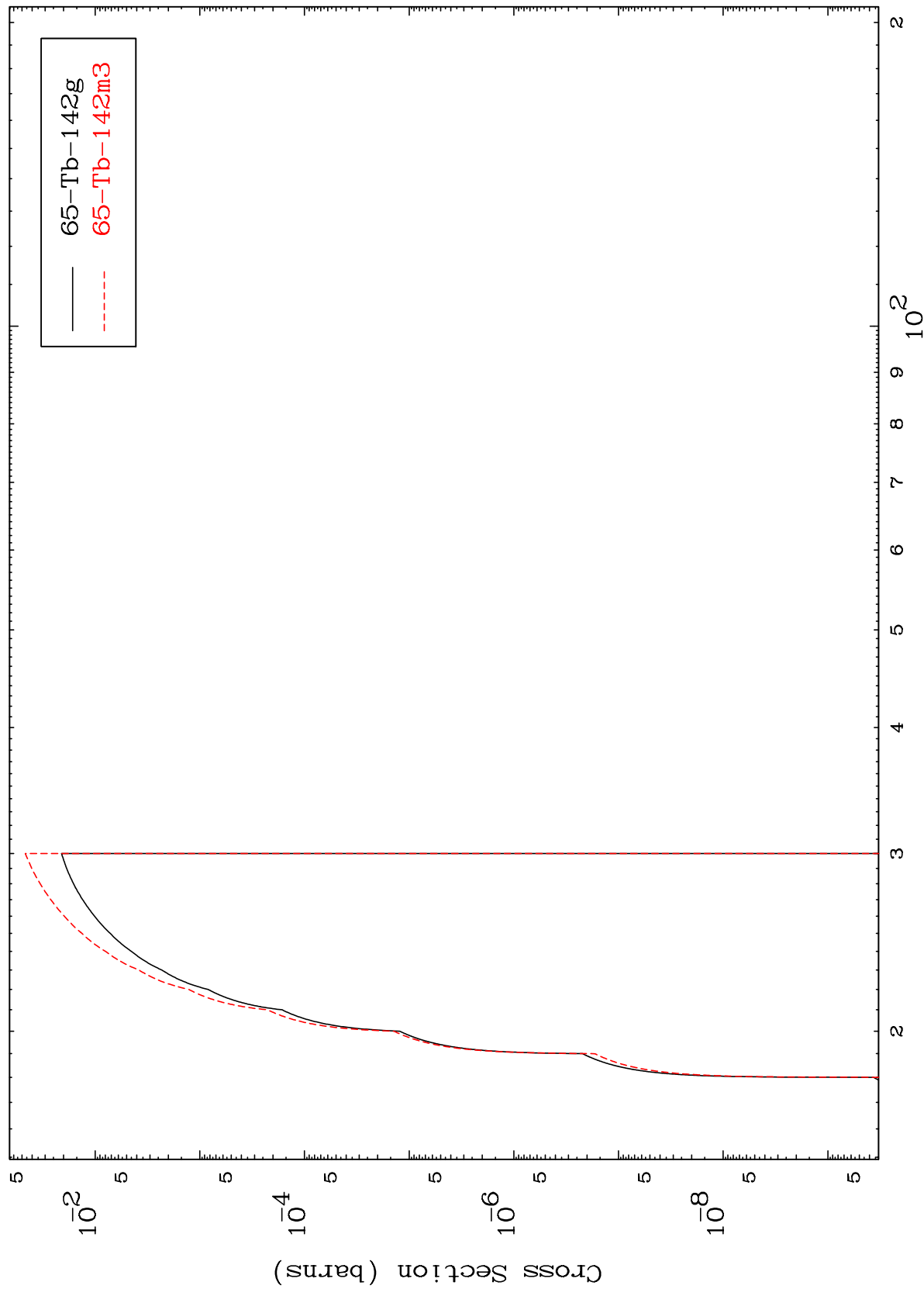
66-Dy-144

MAT 6589

(n,2n) p

66-Dy-144

Radionuclide Production Cross Section



75

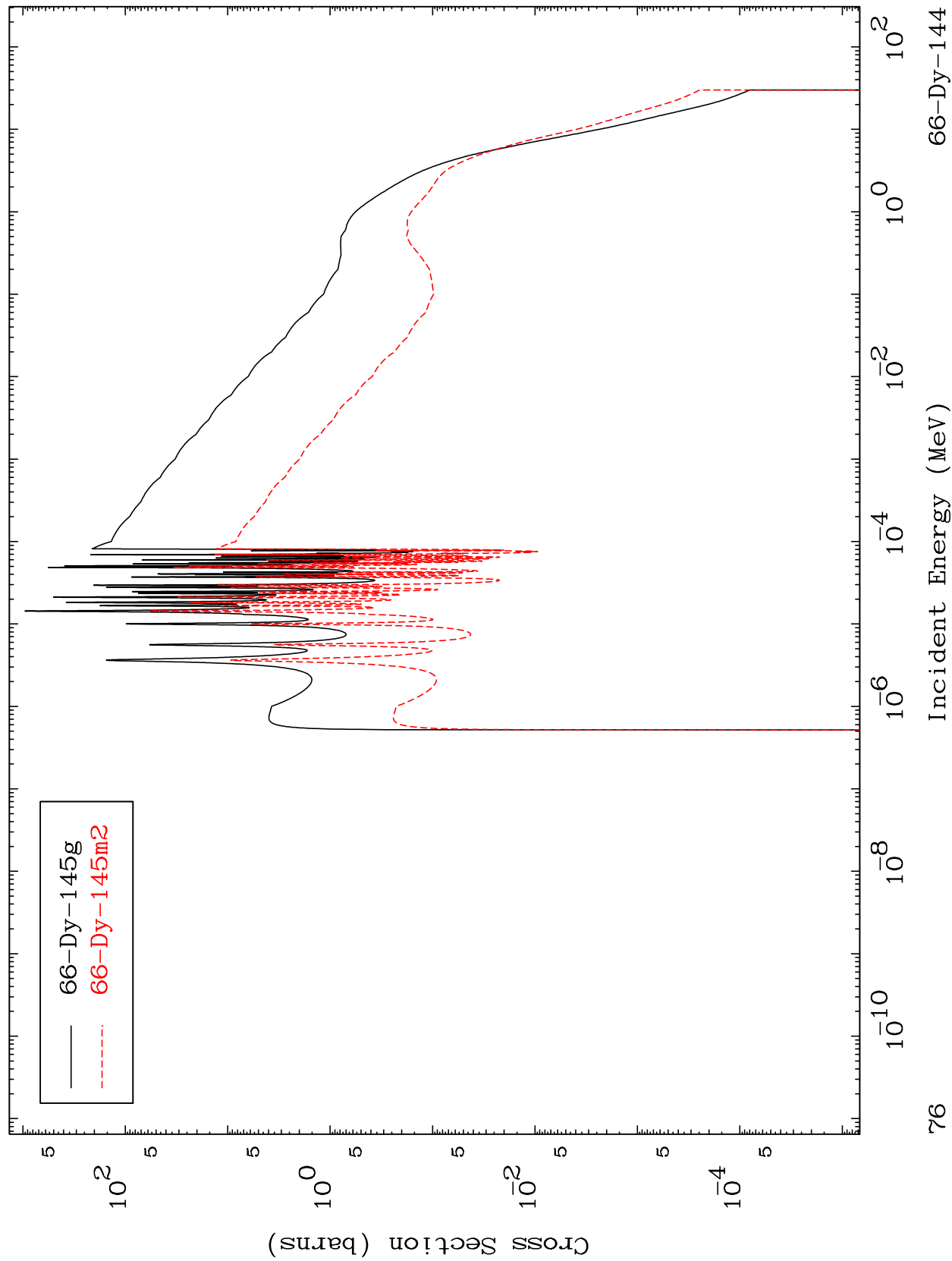
Incident Energy (MeV)

66-Dy-144

MAT 6589

66-Dy-144

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



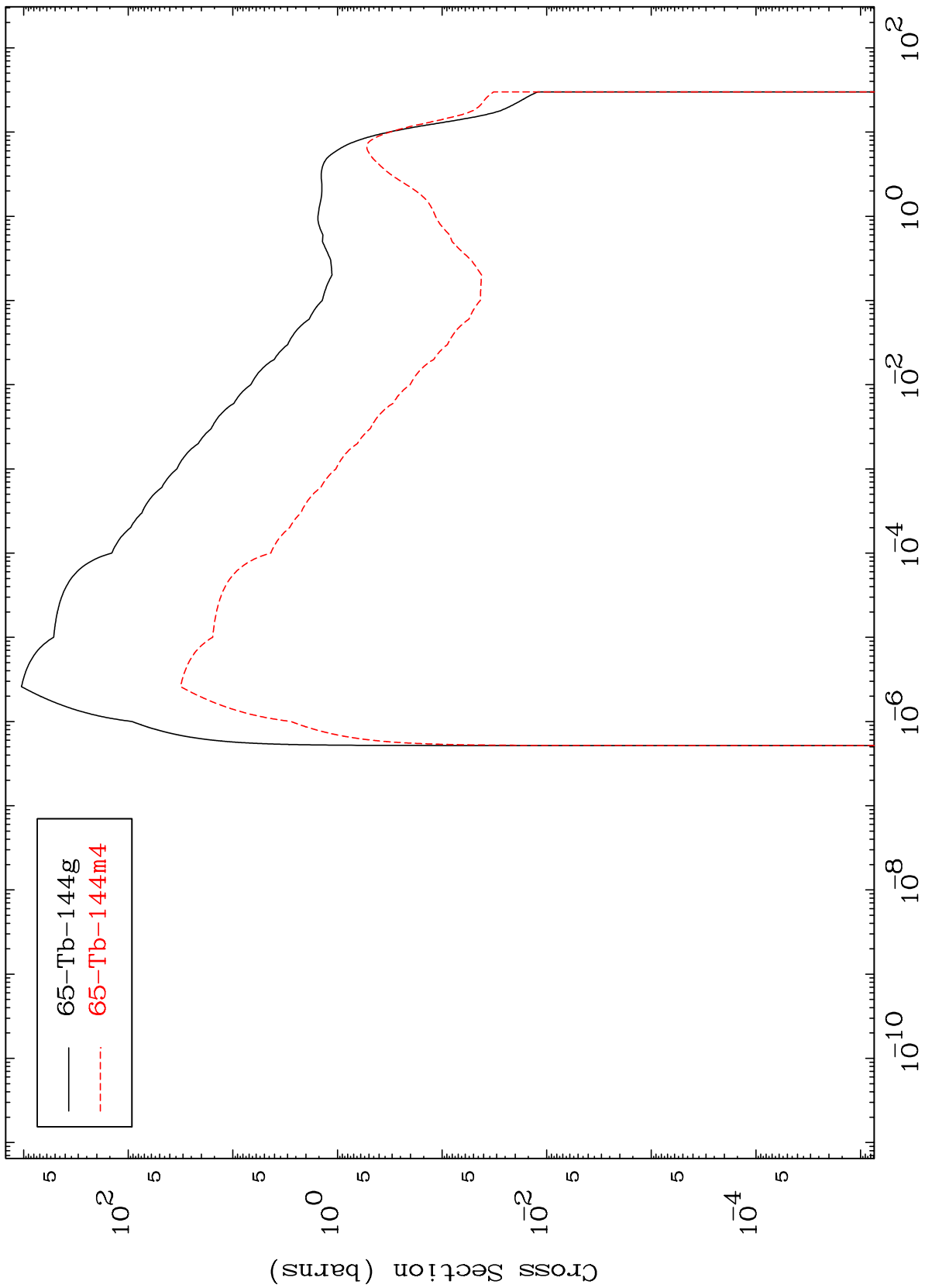
76

66-Dy-144

MAT 6589

66-Dy-144

(n,p)  
Radionuclide Production Cross Section



— 65-Tb-144g  
- - - 65-Tb-144m4

66-Dy-144

Incident Energy (MeV)

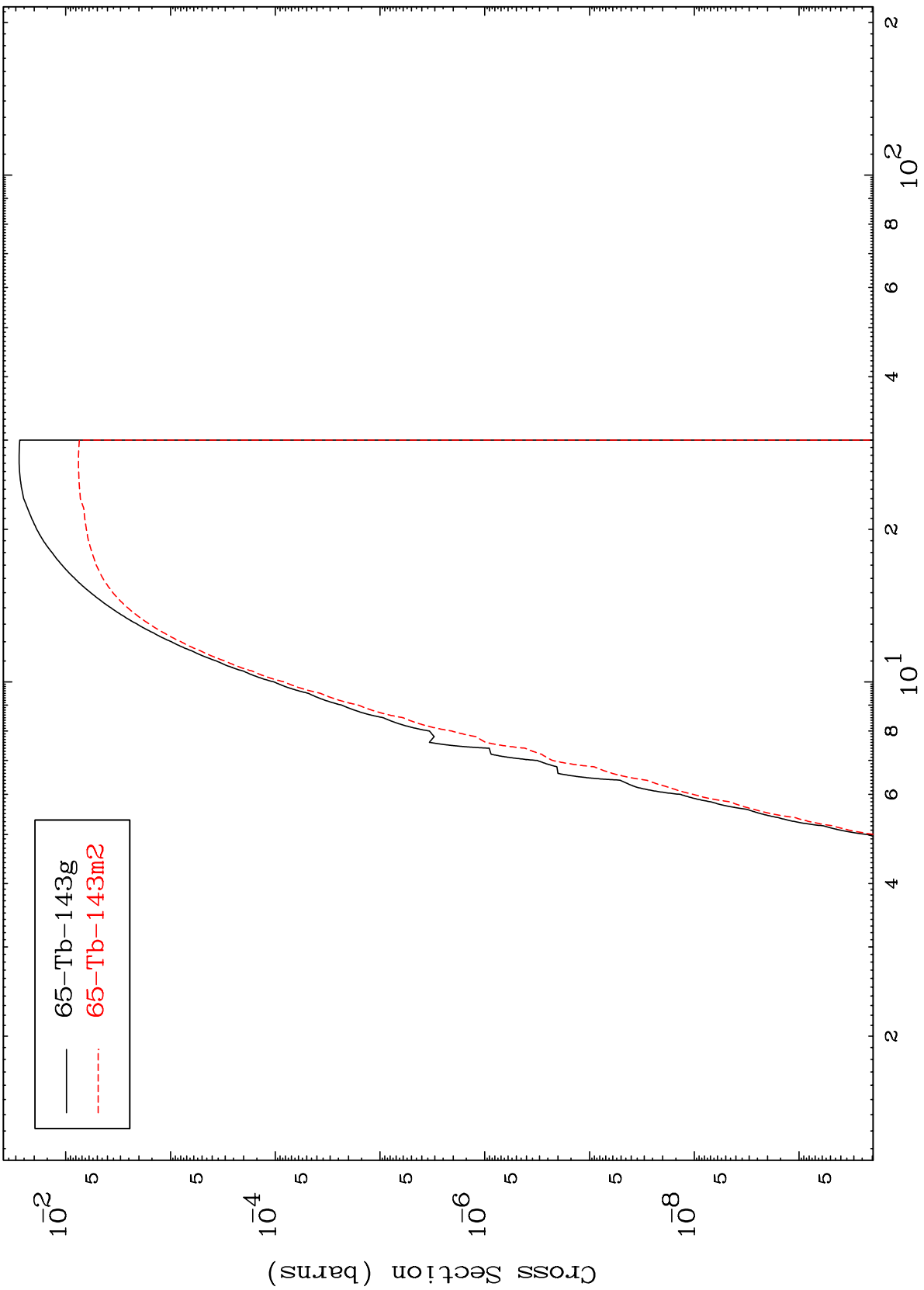
77

MAT 6589

(n,d)

66-Dy-144

Radionuclide Production Cross Section



78

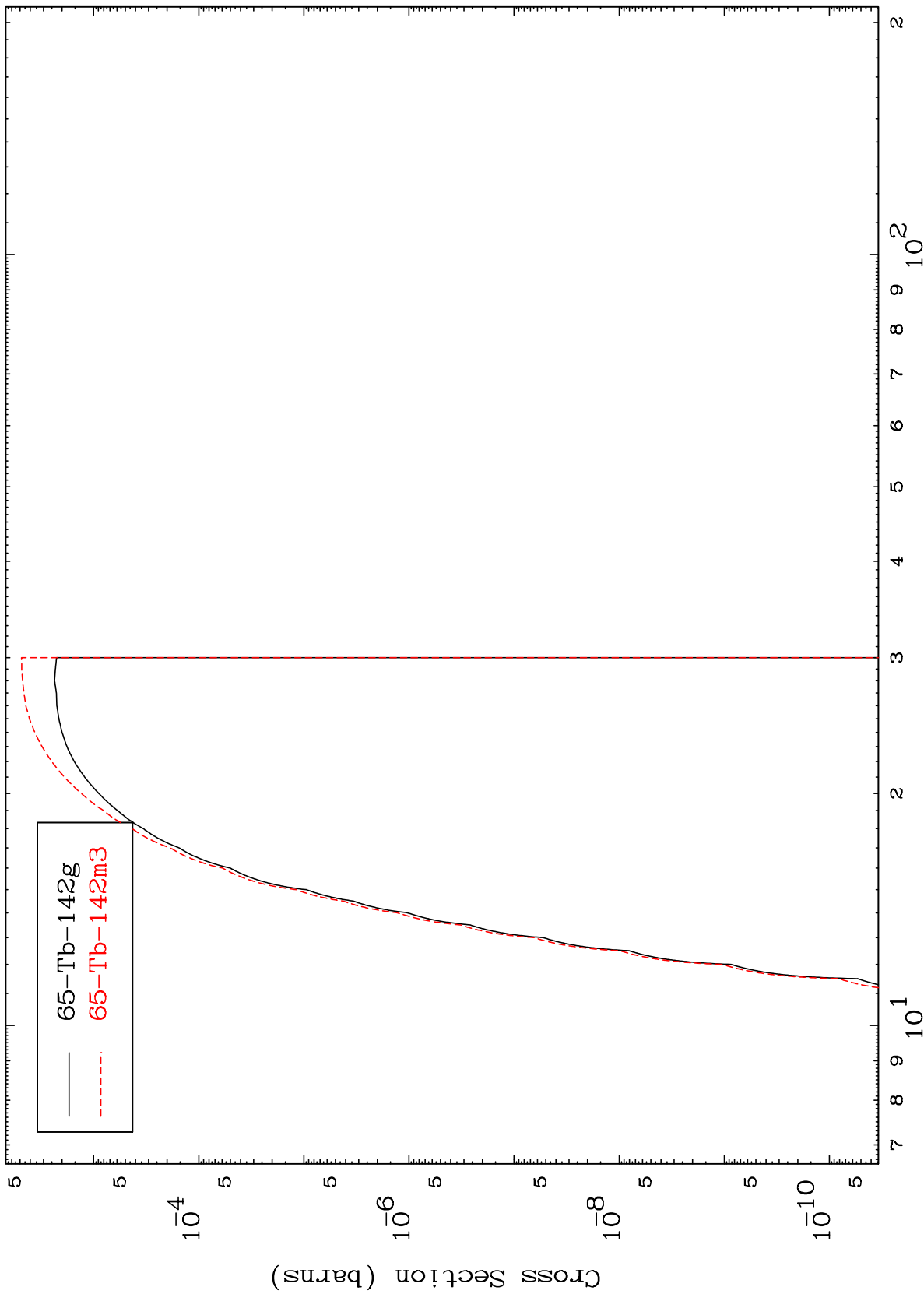
Incident Energy (MeV)

66-Dy-144

MAT 6589

66-Dy-144

(n,t)  
Radionuclide Production Cross Section



79

Incident Energy (MeV)

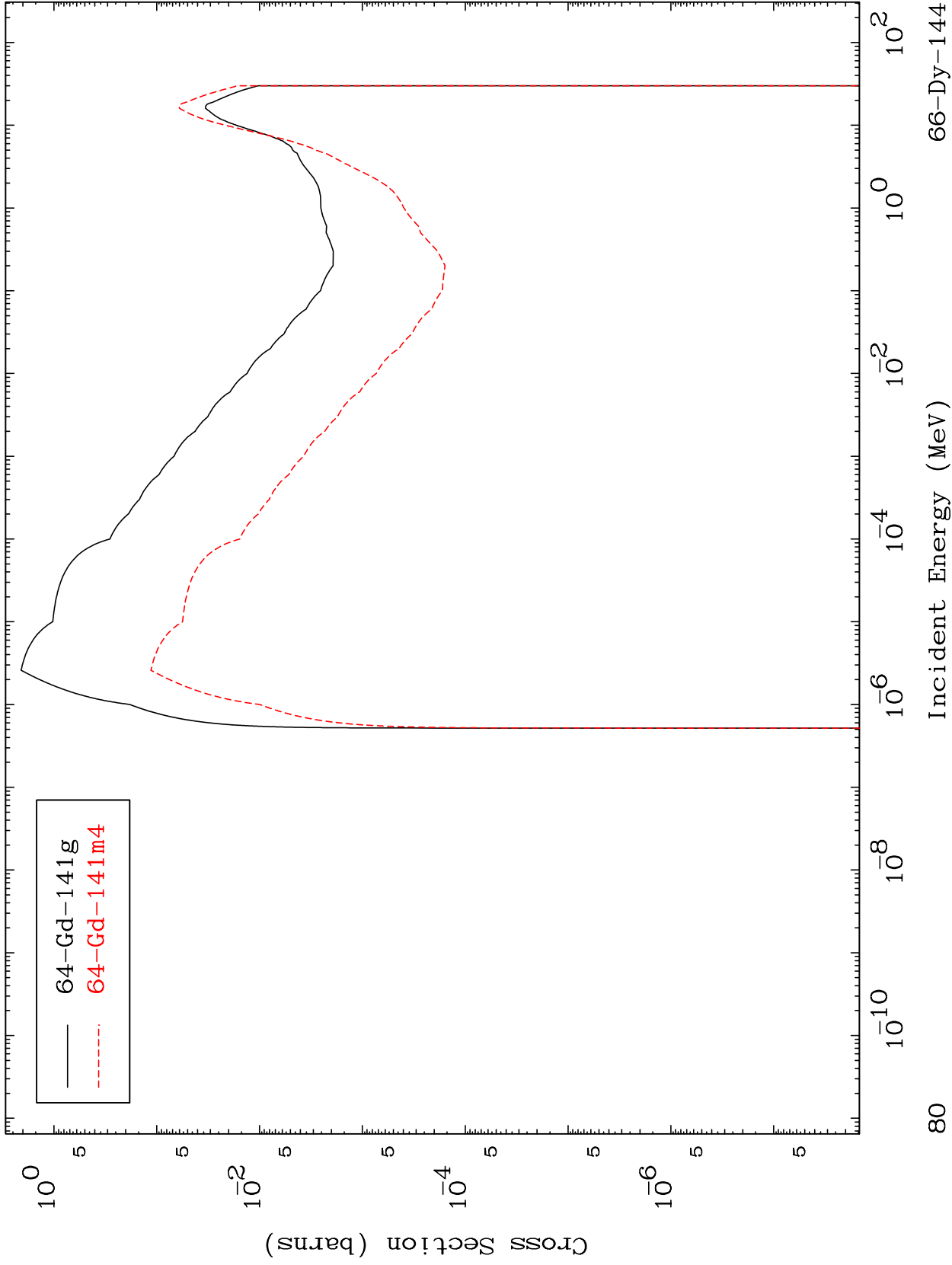
66-Dy-144



MAT 6589

66-Dy-144

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



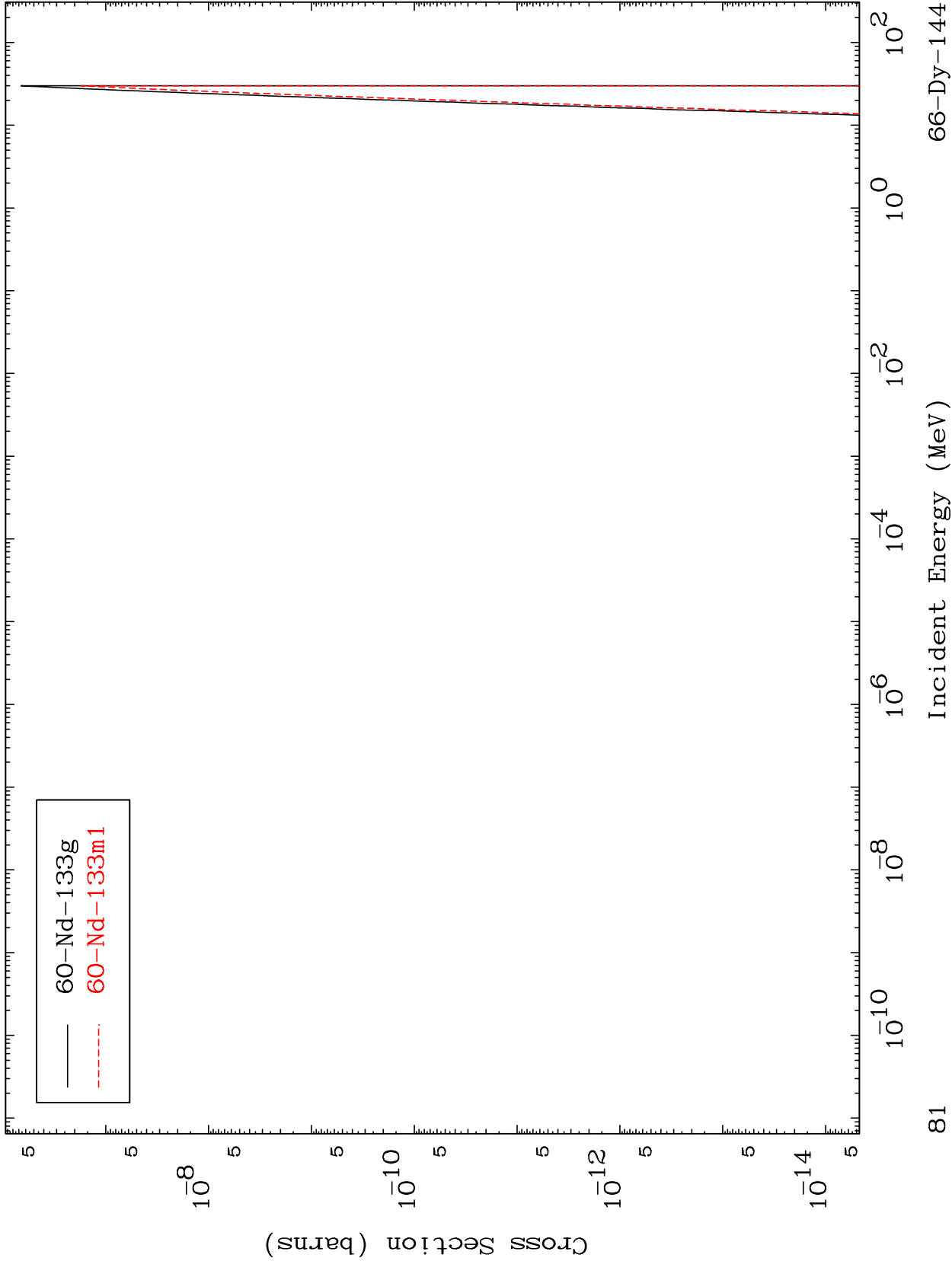
80

MAT 6589

(n,3α)

66-Dy-144

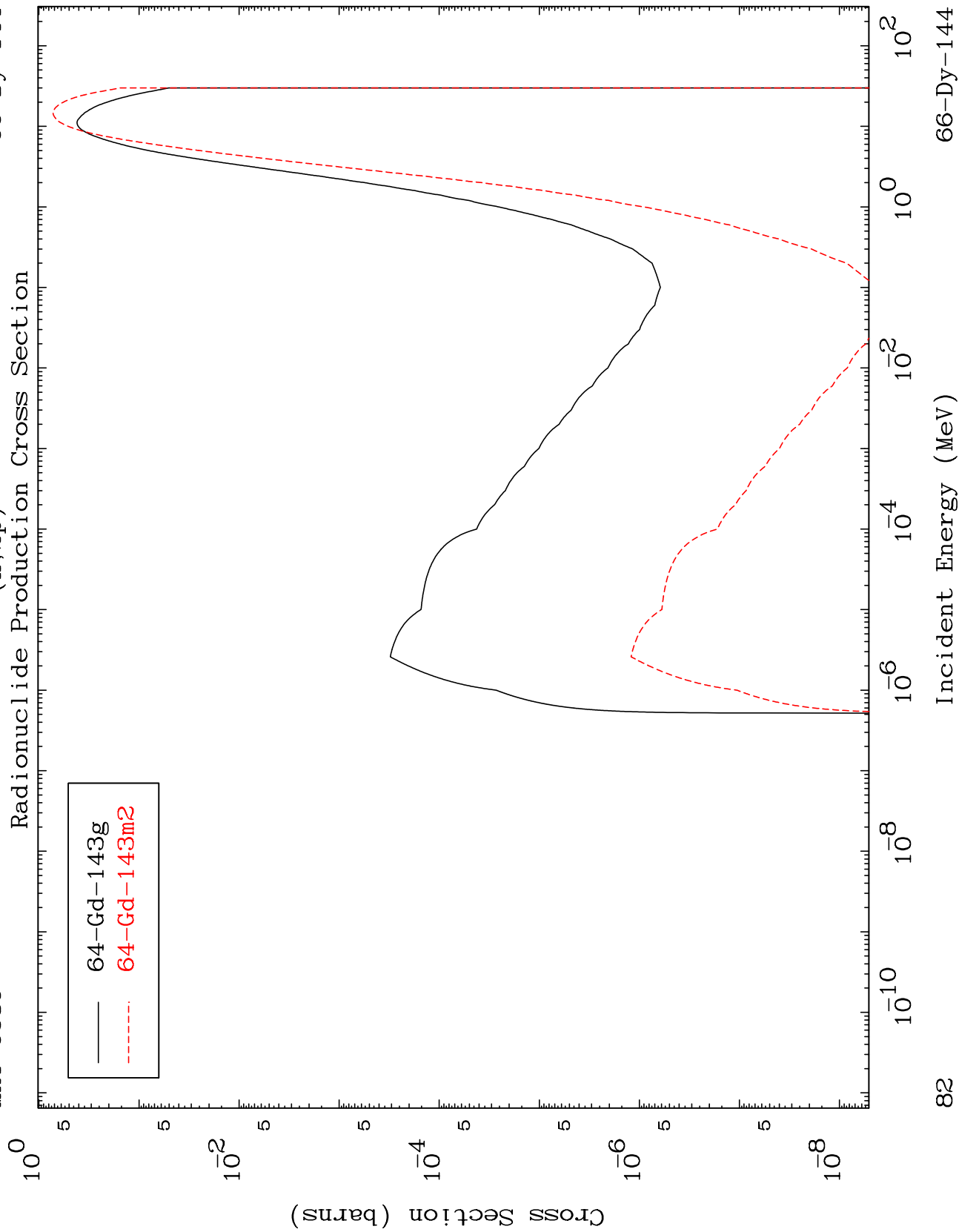
Radionuclide Production Cross Section



MAT 6589

66-Dy-144

(n,2p)  
Radionuclide Production Cross Section

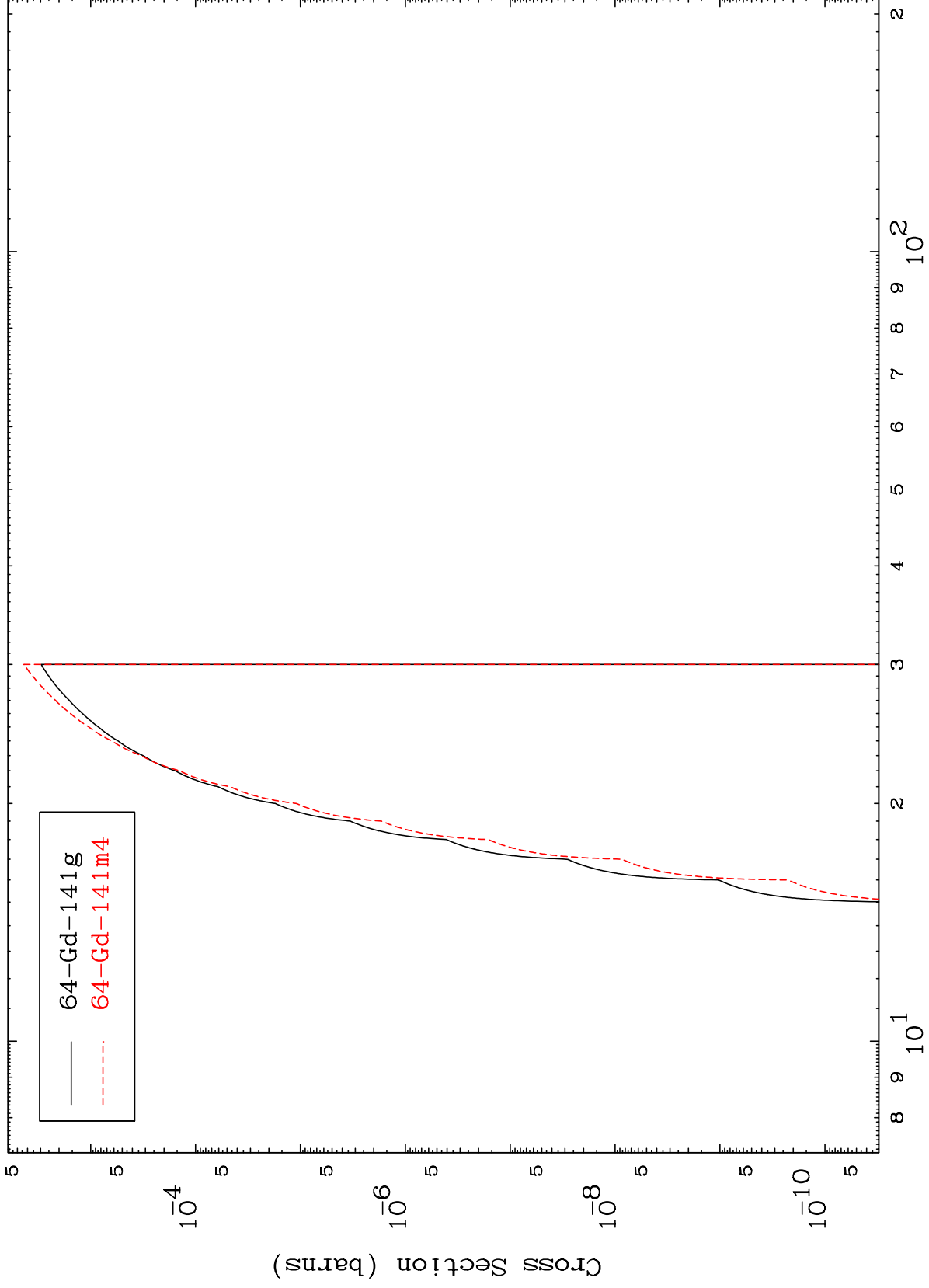


MAT 6589

(n,p) t

66-Dy-144

Radionuclide Production Cross Section



83

Incident Energy (MeV)

66-Dy-144