

Program EVALPLOT  
(Version 2021-1)

by

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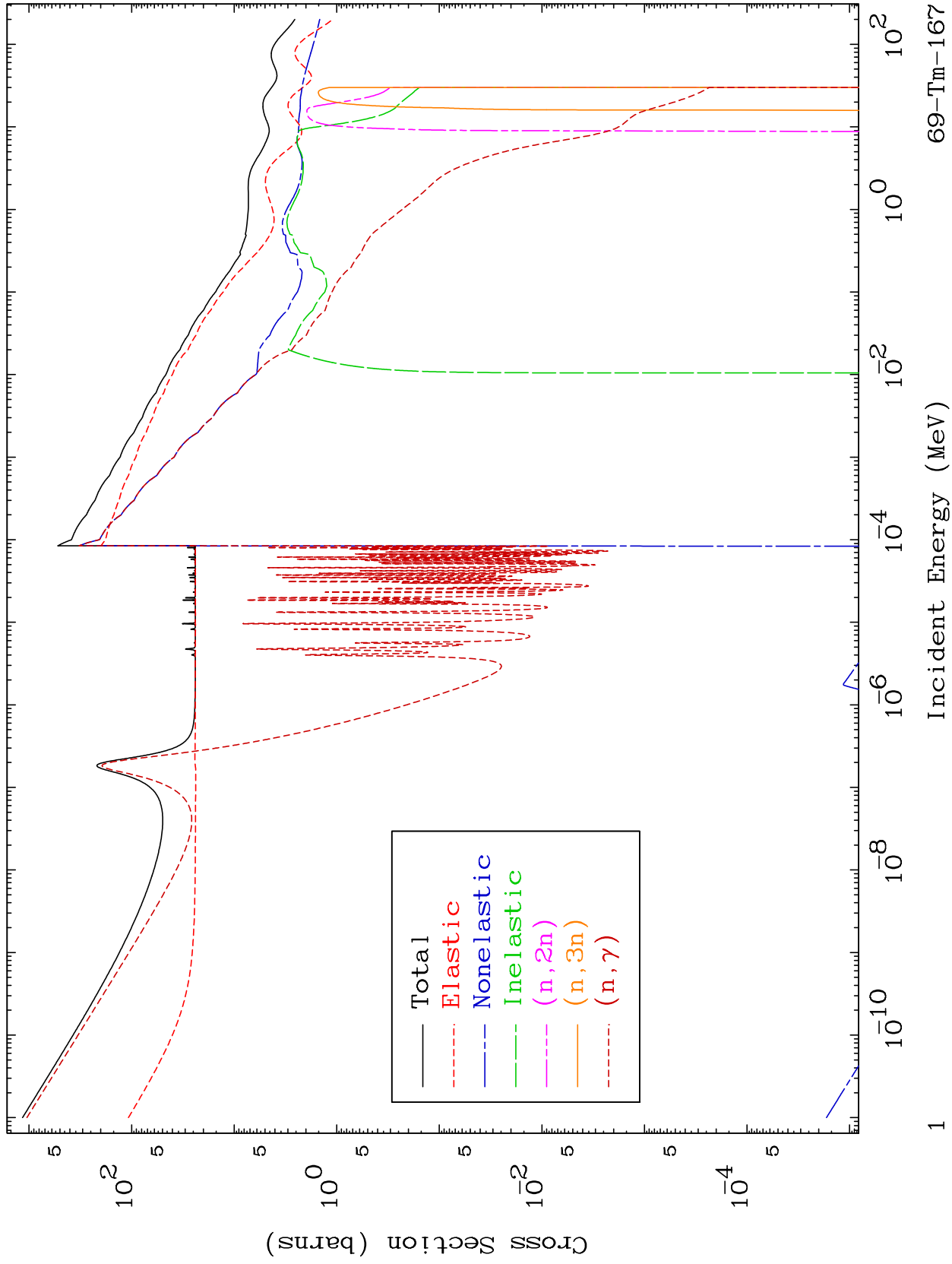
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6919

Neutron Major  
293 Kelvin Cross Sections

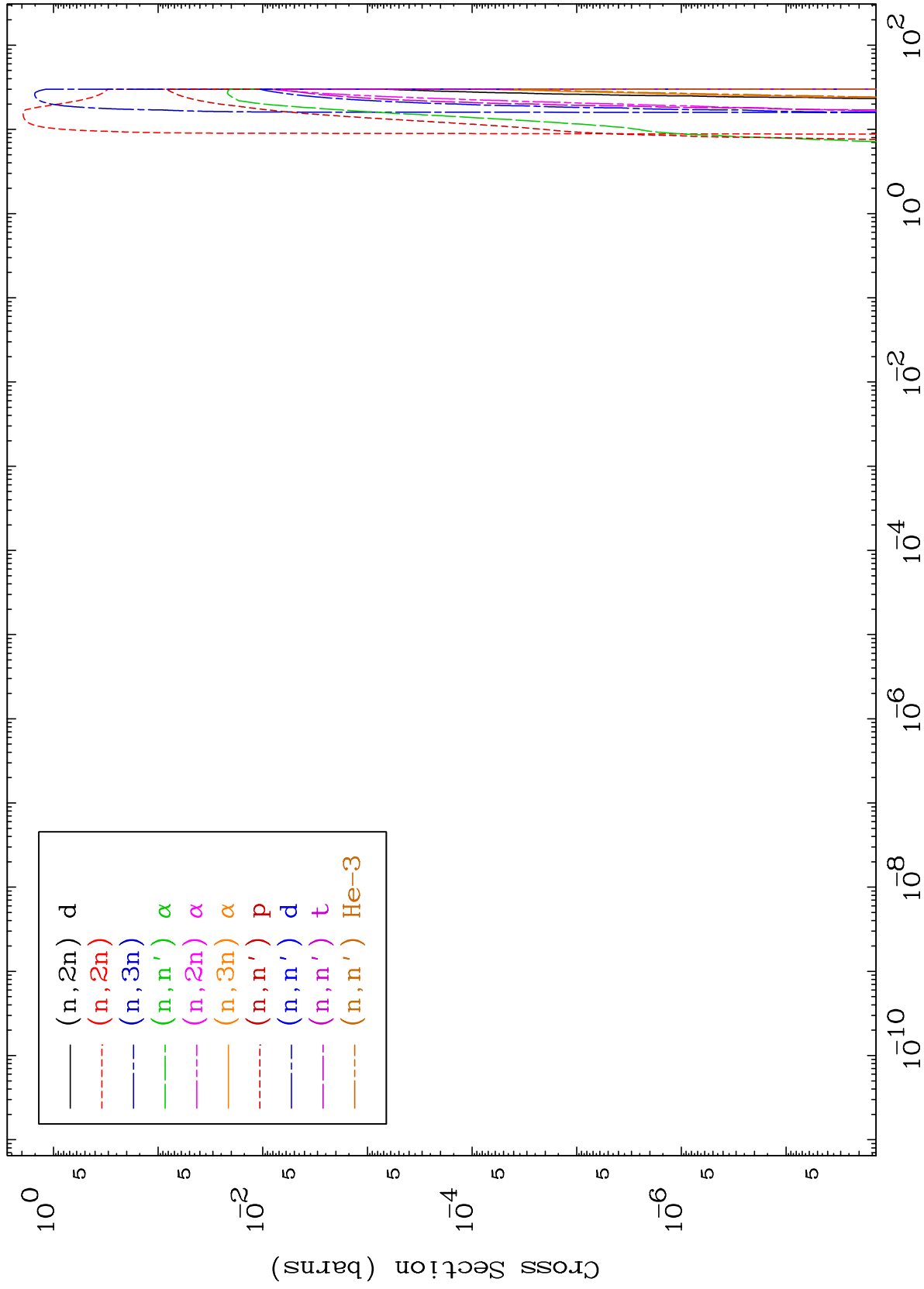
69-Tm-167



MAT 6919

Neutron Absorption  
293 Kelvin Cross Sections

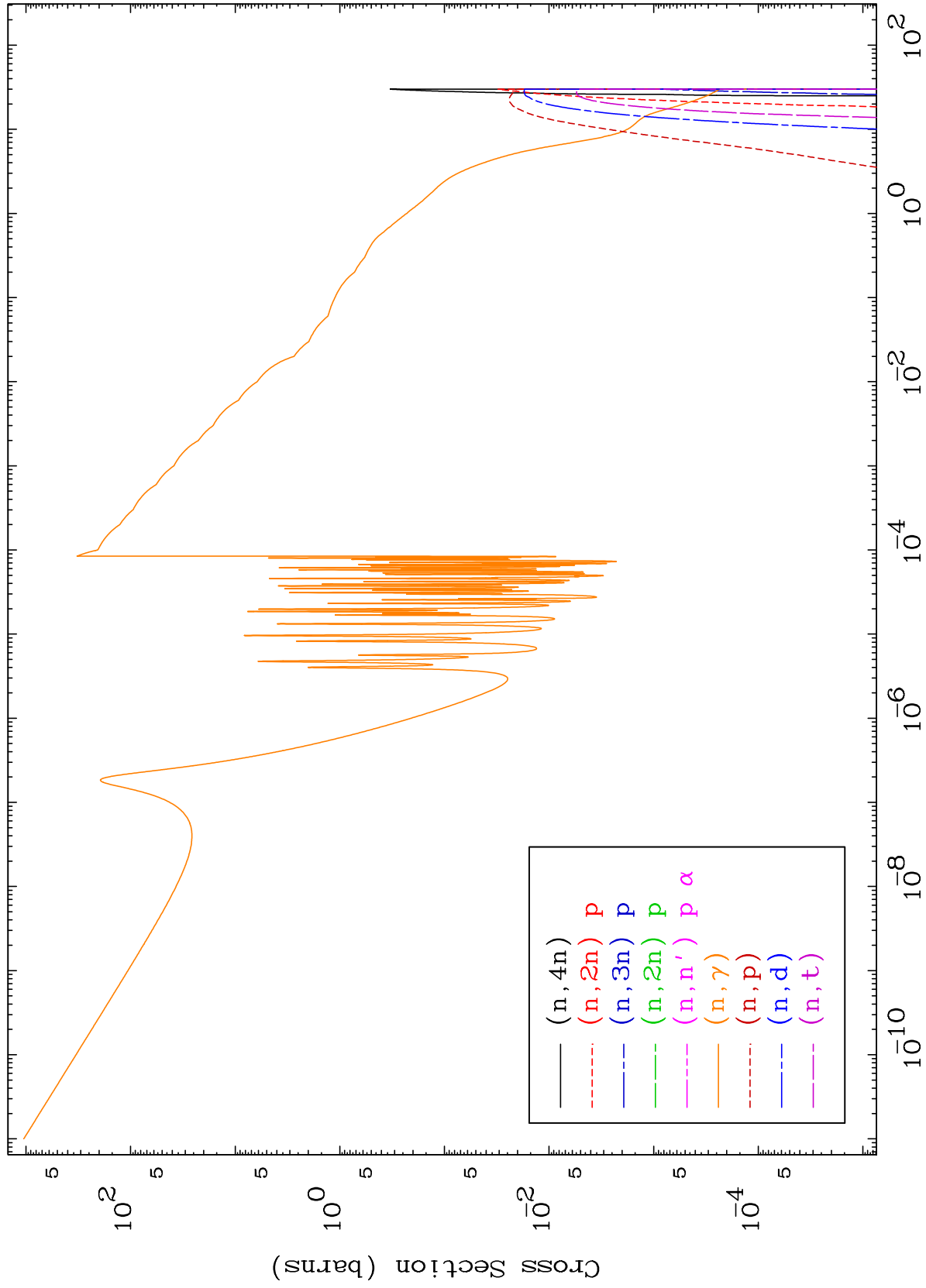
69-Tm-167



MAT 6919

Neutron Absorption  
293 Kelvin Cross Sections

69-Tm-167



3

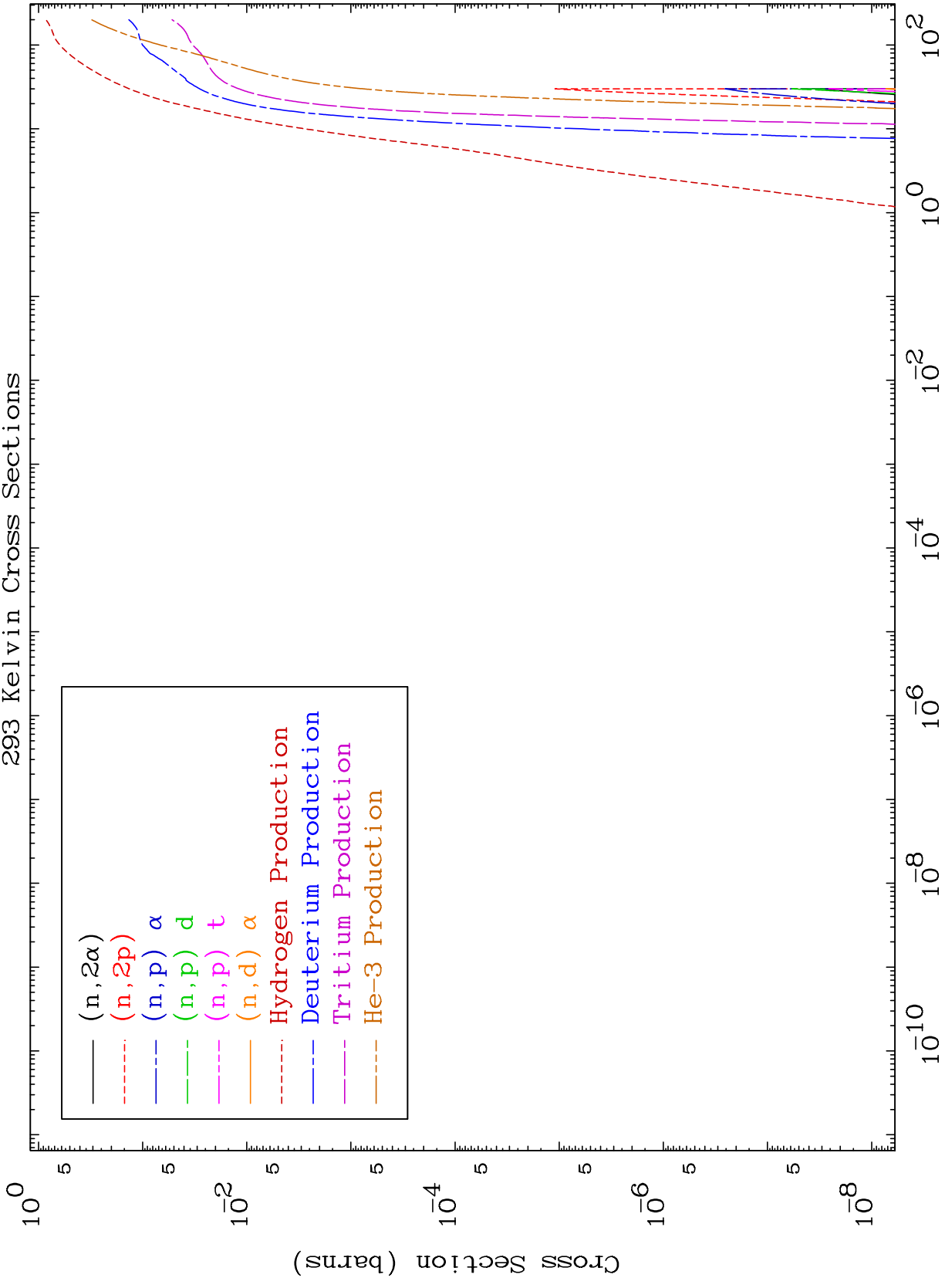
Incident Energy (MeV)

69-Tm-167

MAT 6919

### Neutron Absorption 293 Kelvin Cross Sections

69-Tm-167

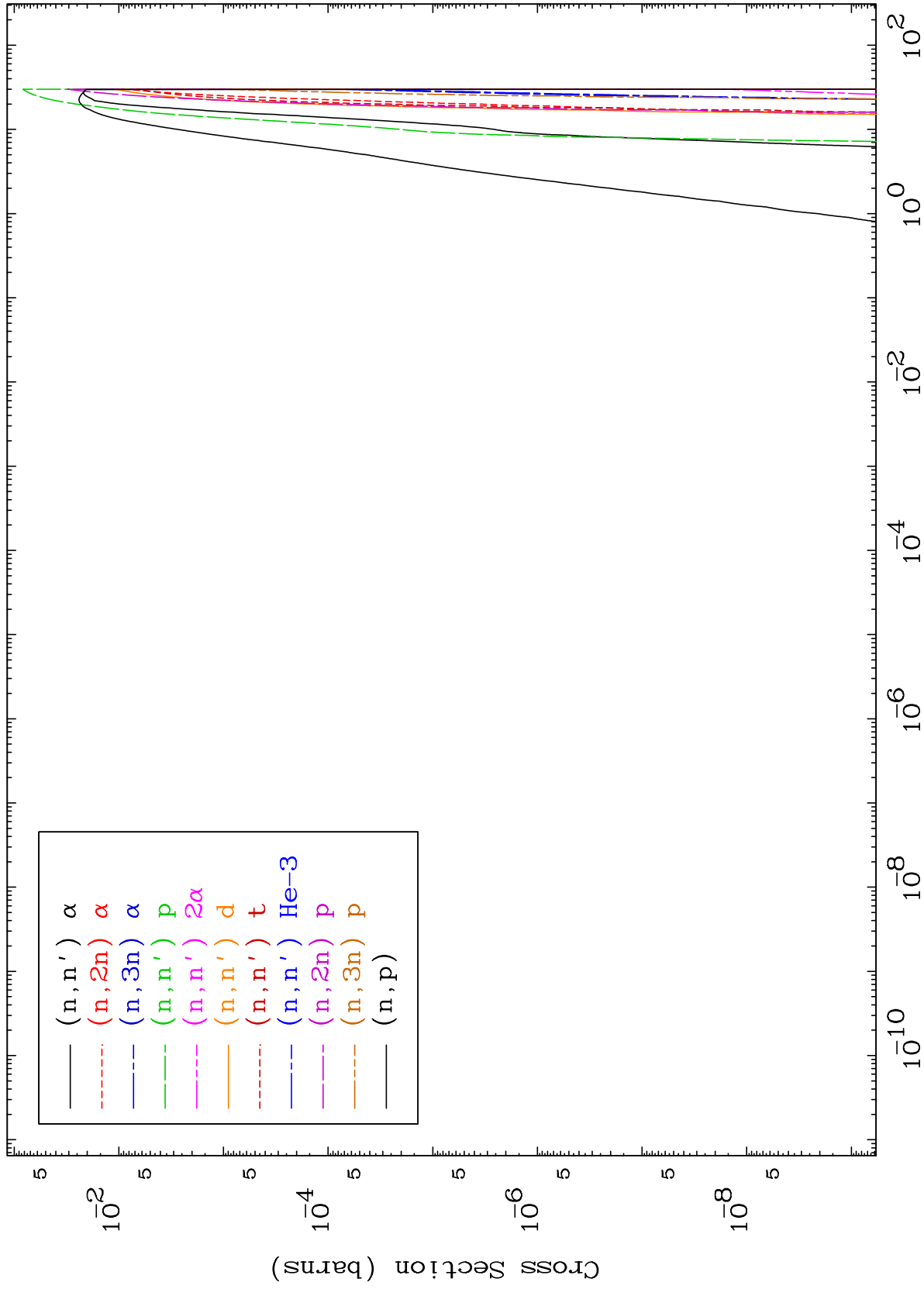


69-Tm-167

MAT 6919

Charged Particle  
293 Kelvin Cross Sections

69-Tm-167



5

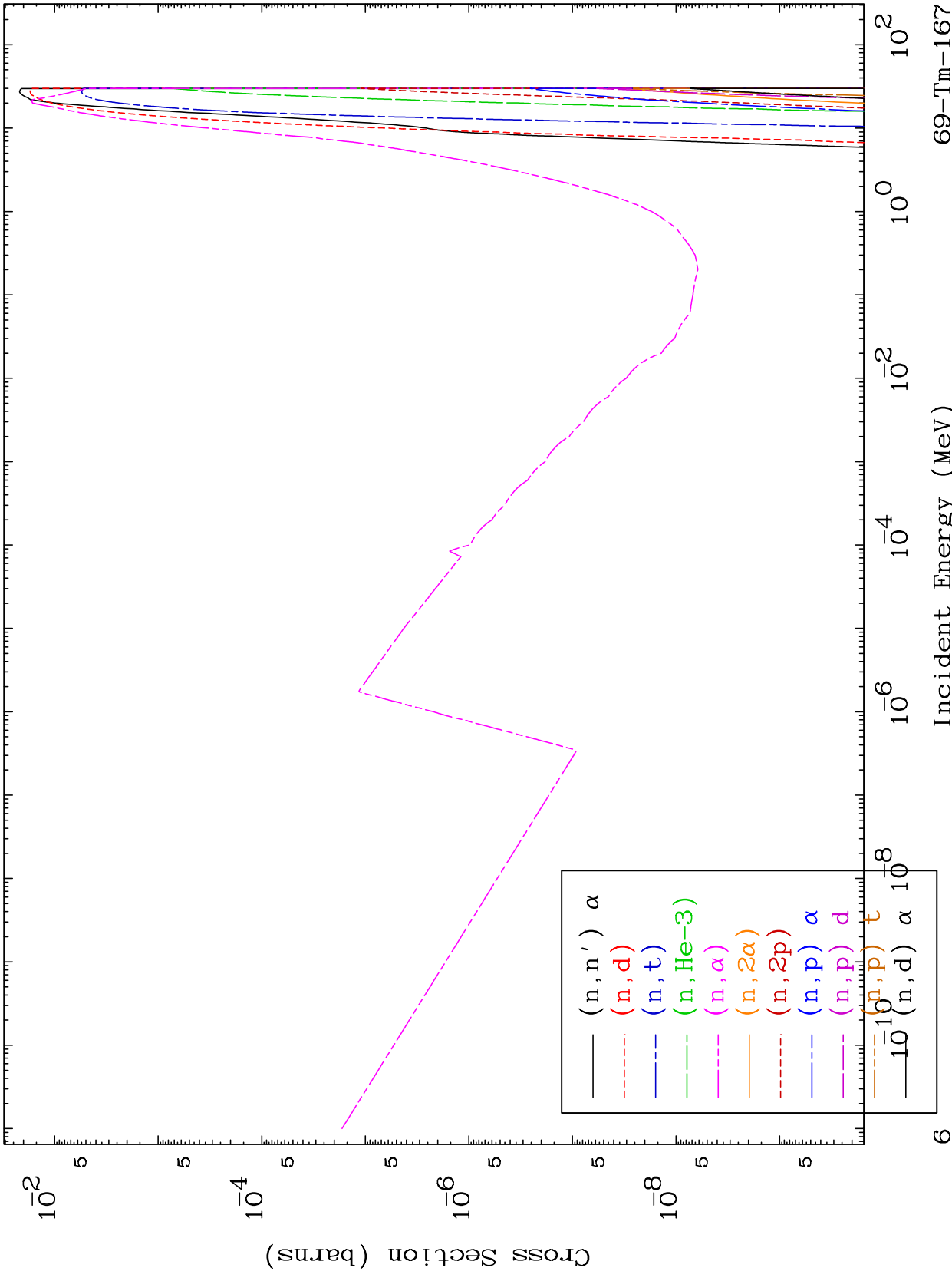
Incident Energy (MeV)

69-Tm-167

MAT 6919

Charged Particle  
293 Kelvin Cross Sections

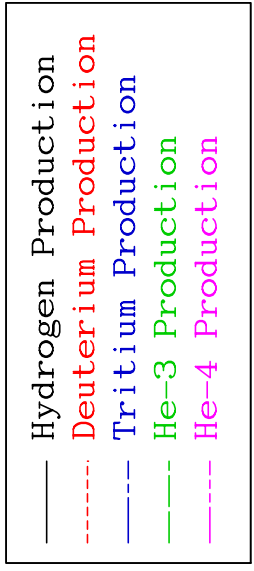
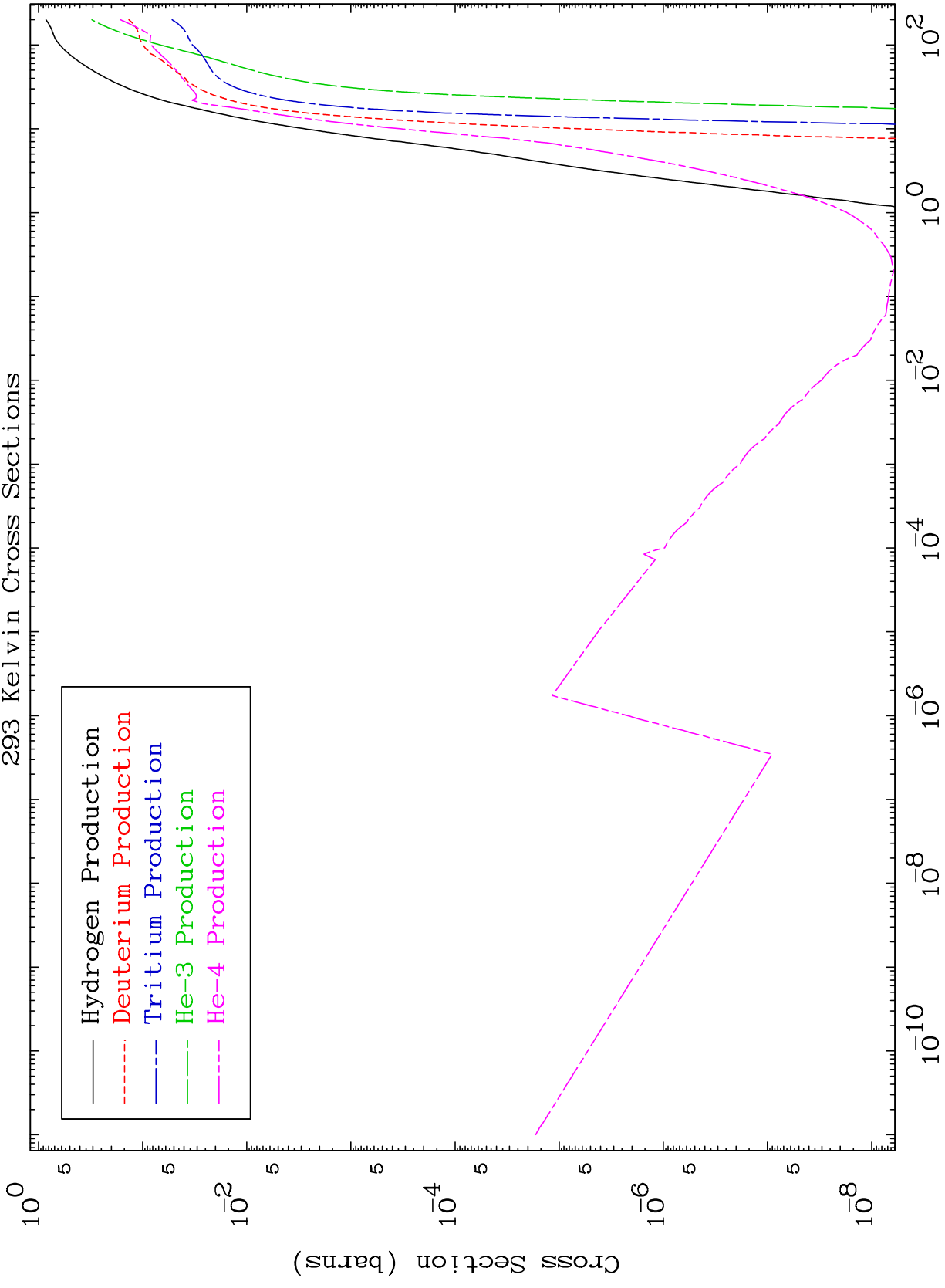
69-Tm-167



MAT 6919

Particle Production  
293 Kelvin Cross Sections

69-Tm-167



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69-Tm-167



MAT 6919

(n,n') Levels

69-Tm-167

293 Kelvin Cross Sections

$10^9$

$10^6$

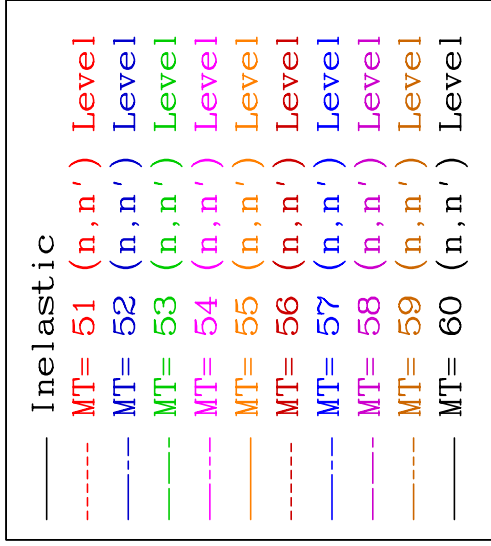
$10^3$

$10^0$

$10^{-3}$

$10^{-6}$

Cross Section (barns)



$10^{-2}$

$10^{-1}$

$10^0$

$10^1$

$10^2$

8

Incident Energy (MeV)

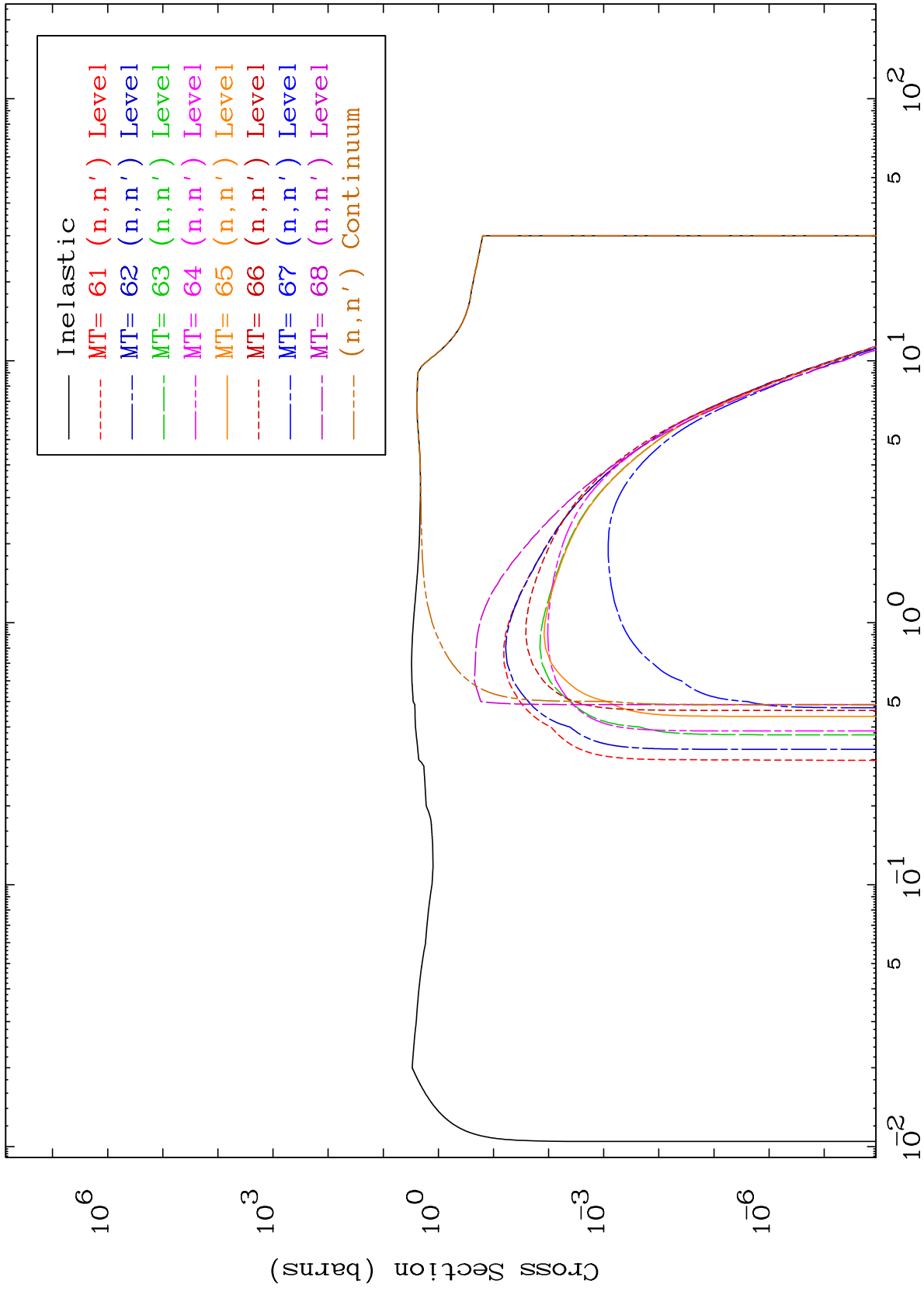
69-Tm-167

MAT 6919

(n,n') Levels

69-Tm-167

293 Kelvin Cross Sections



9

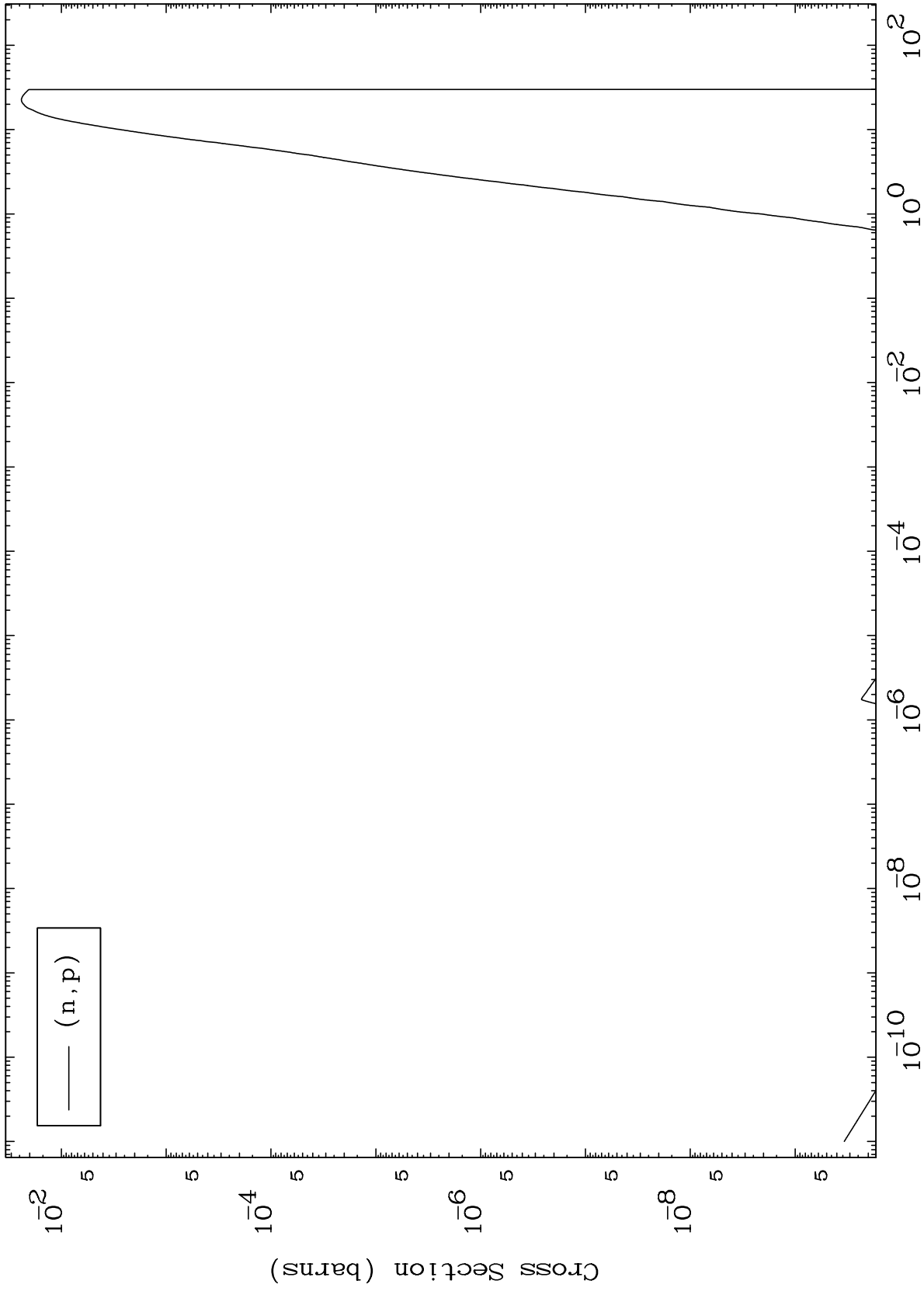
Incident Energy (MeV)

69-Tm-167

MAT 6919

(n,p) Levels  
293 Kelvin Cross Sections

69-Tm-167



10

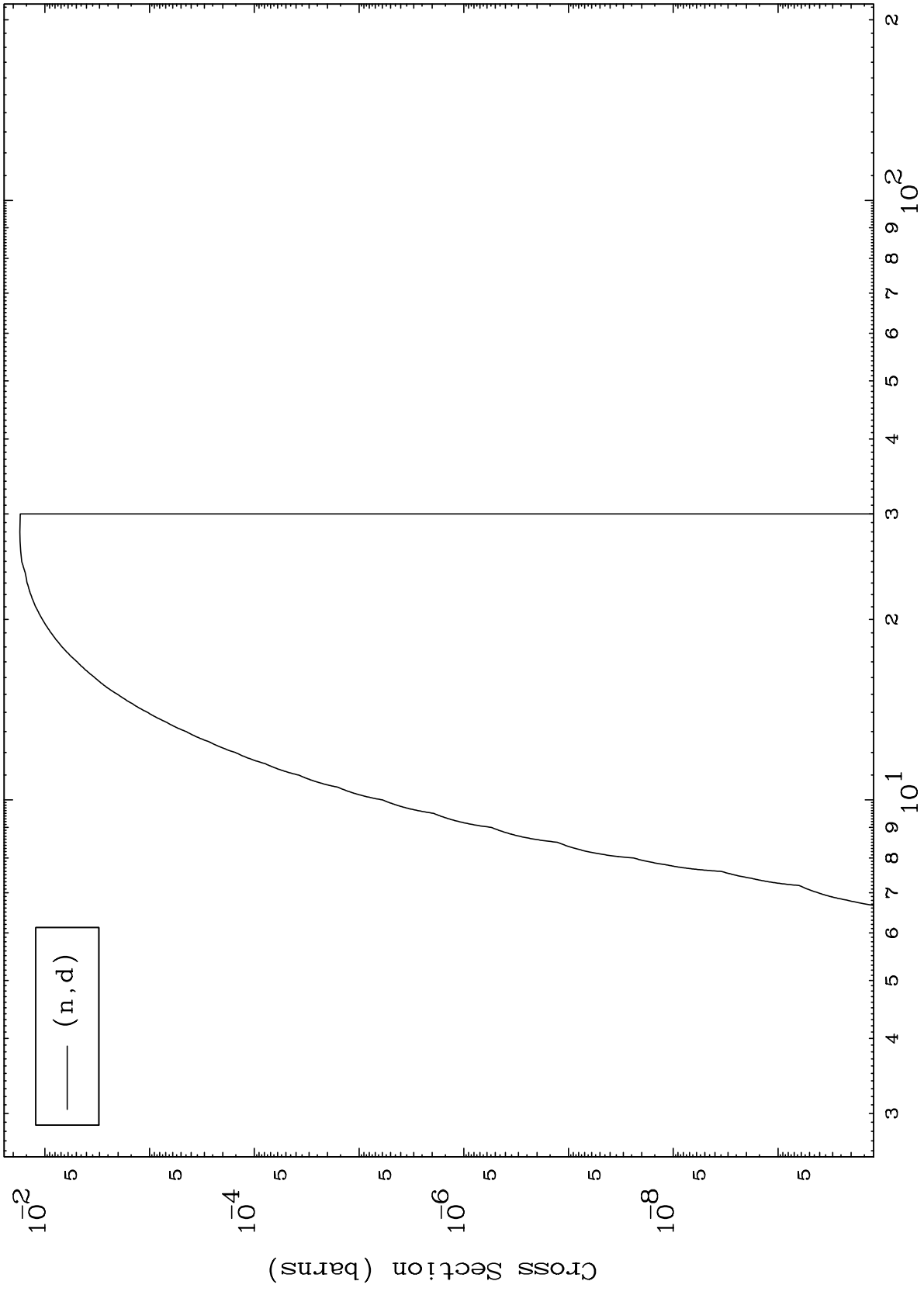
Incident Energy (MeV)

69-Tm-167

MAT 6919

(n,d) Levels  
293 Kelvin Cross Sections

69-Tm-167



11

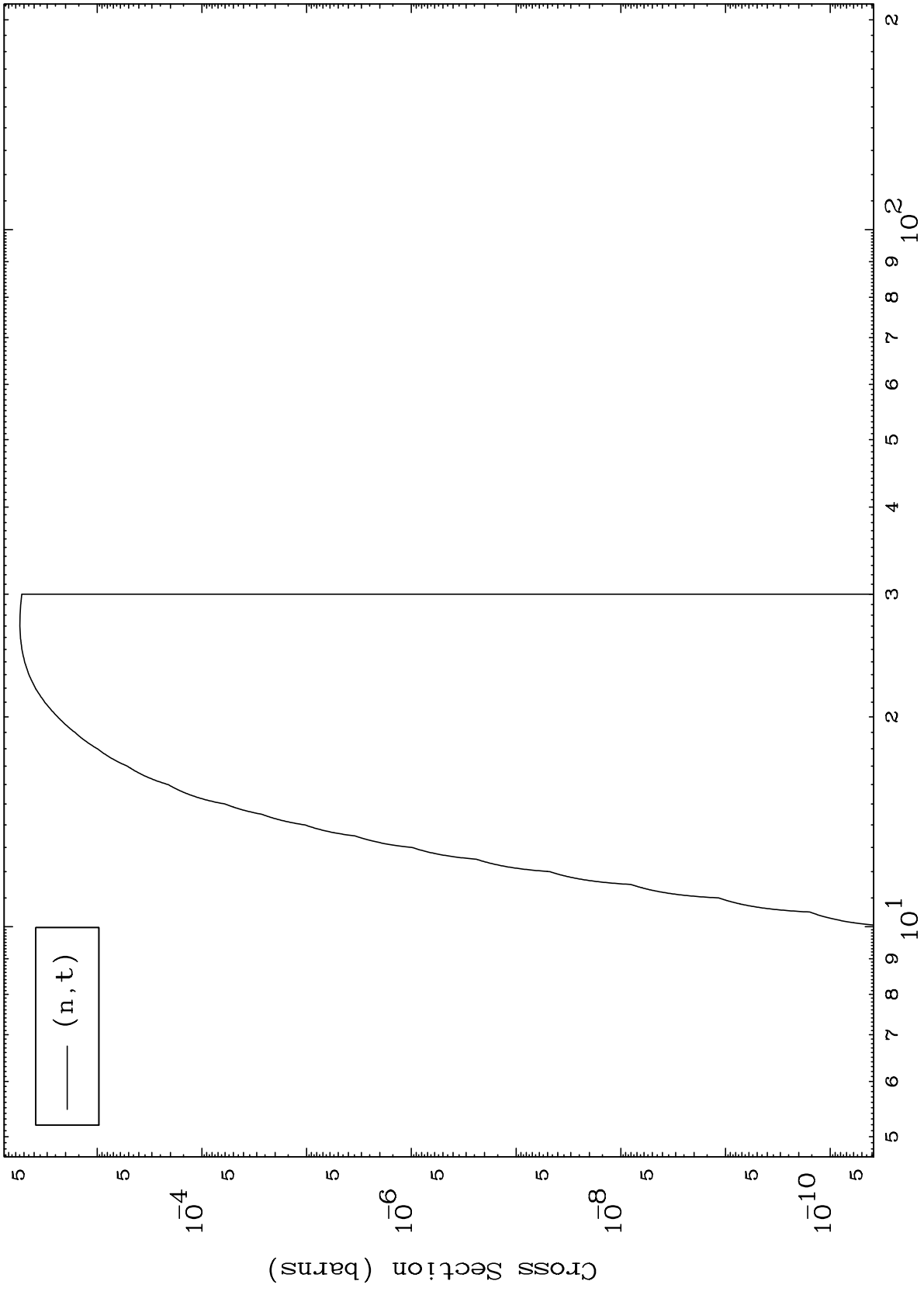
Incident Energy (MeV)

69-Tm-167

MAT 6919

(n,t) Levels  
293 Kelvin Cross Sections

69-Tm-167



(n,t)

12

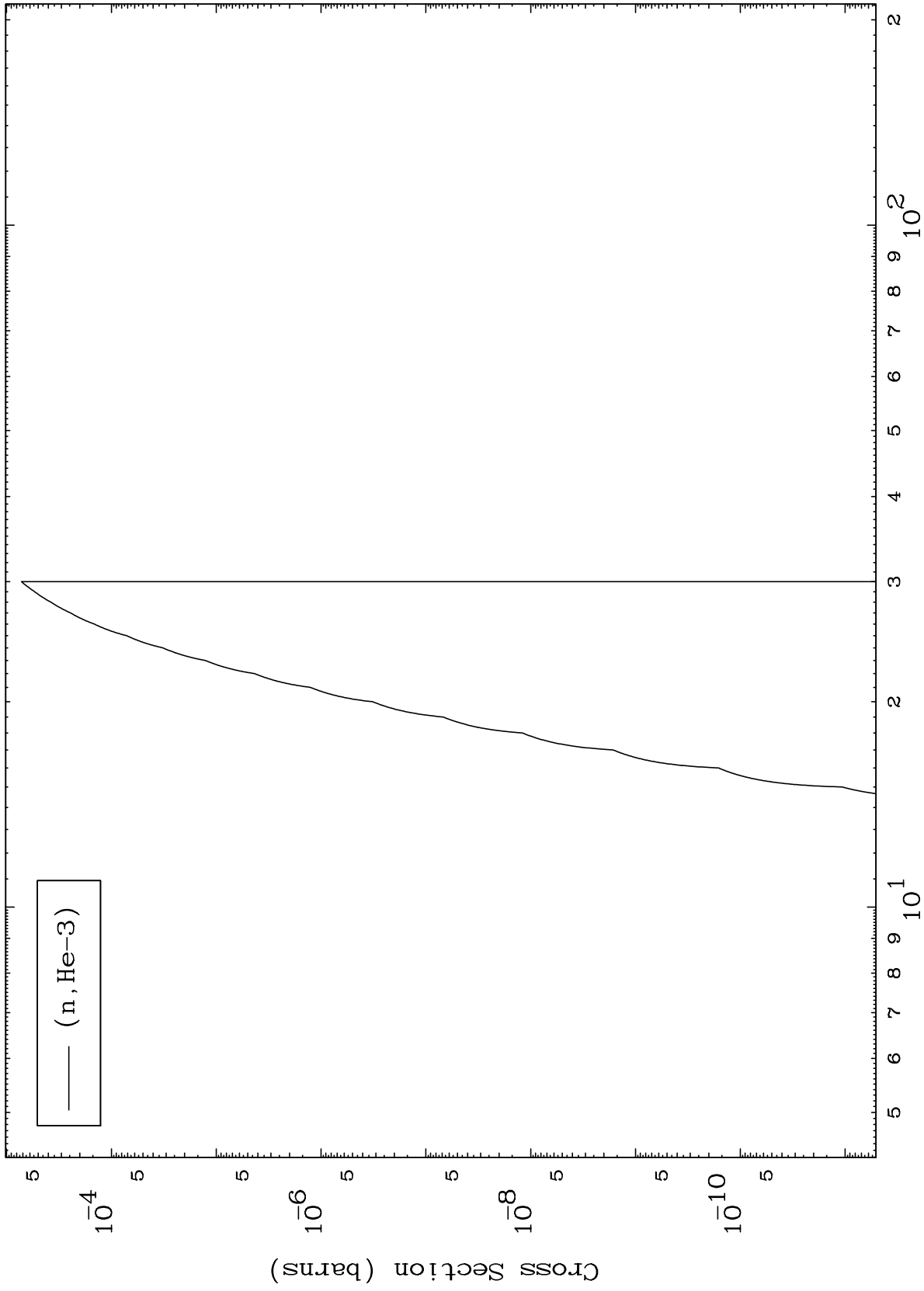
Incident Energy (MeV)

69-Tm-167

MAT 6919

(n,He3) Levels  
293 Kelvin Cross Sections

69-Tm-167



13

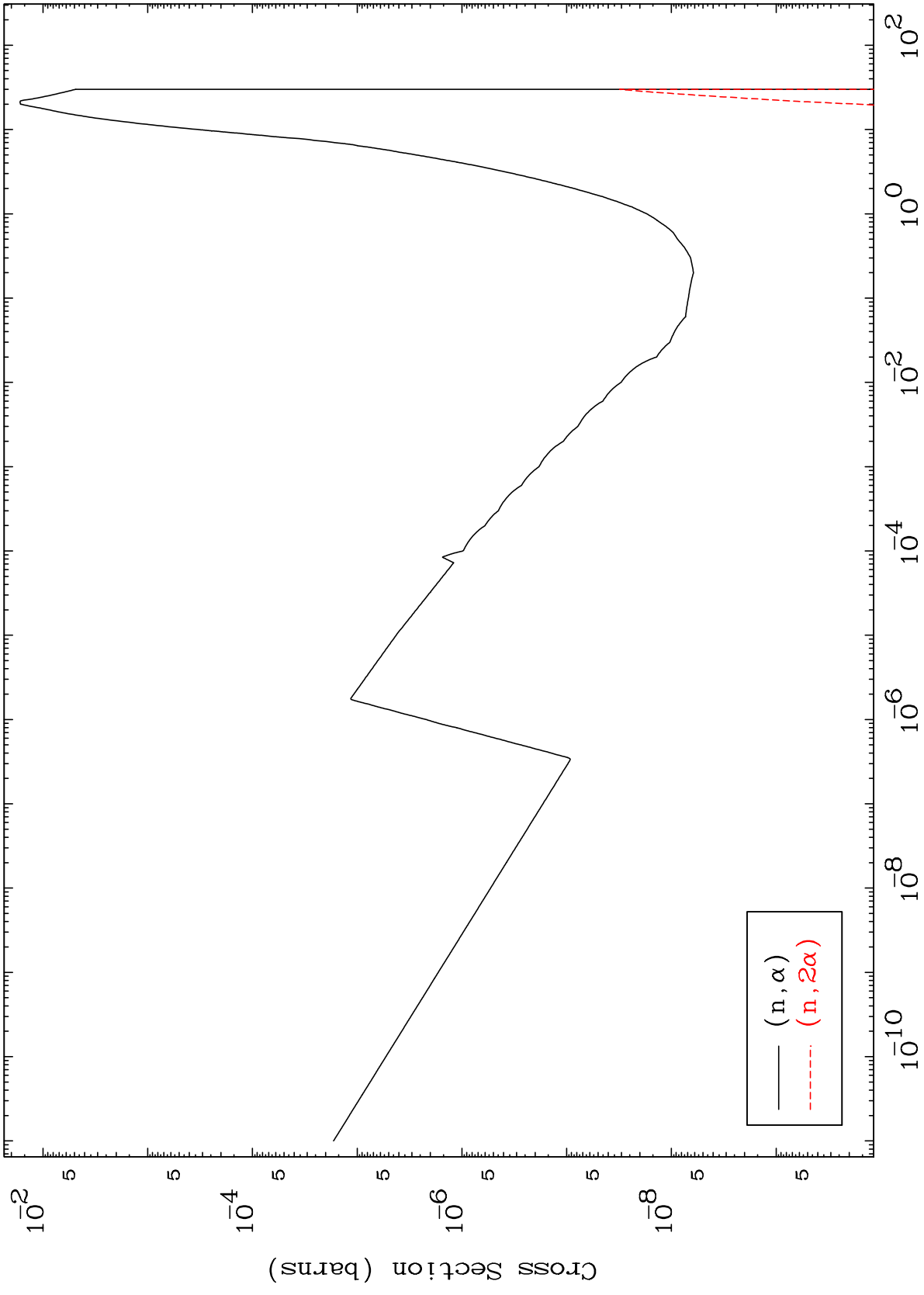
Incident Energy (MeV)

69-Tm-167

MAT 6919

(n,α) Levels  
293 Kelvin Cross Sections

69-Tm-167

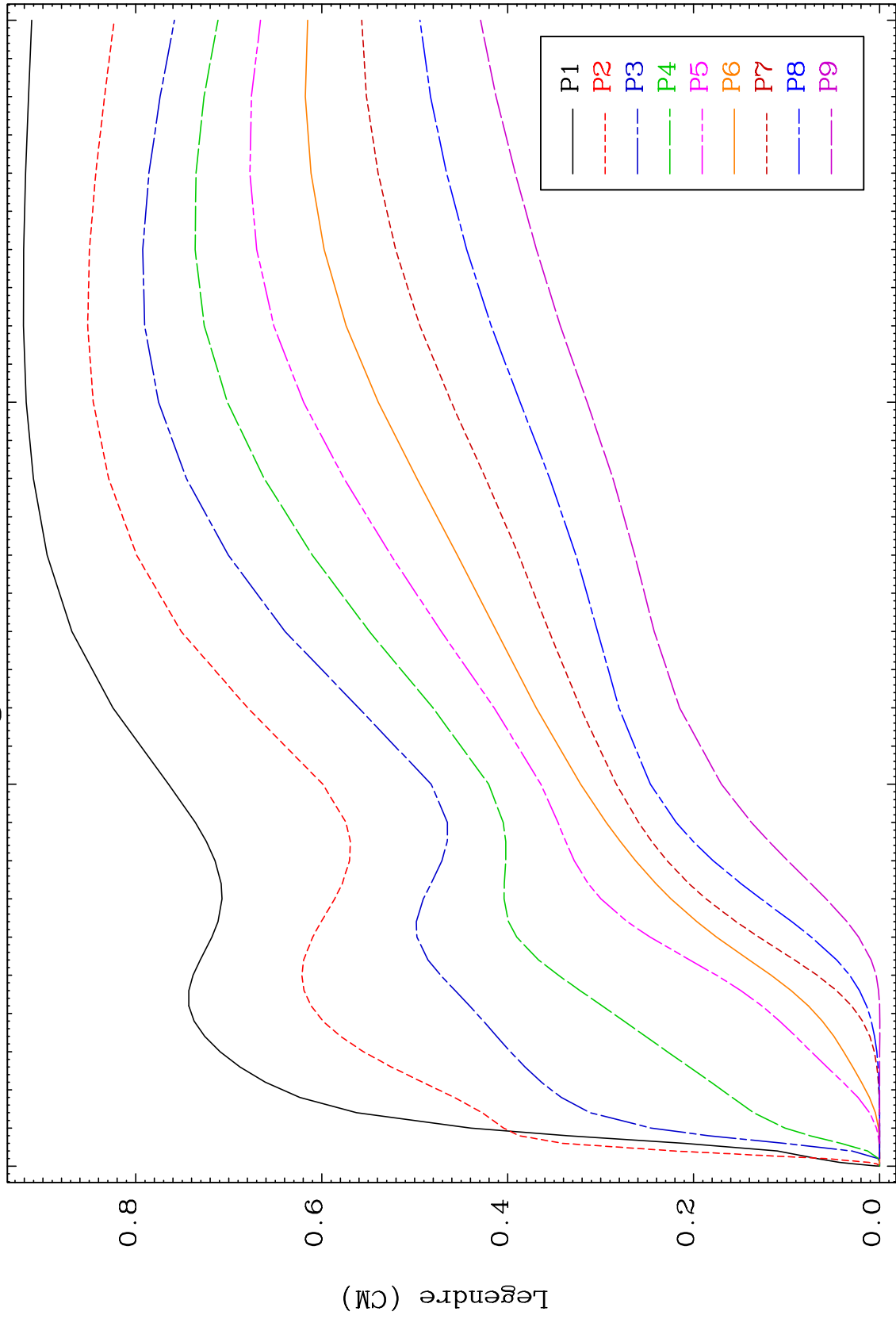


69-Tm-167

MAT 6919

Elastic Legendre Coefficients

69-Tm-167



15

Incident Energy (MeV)

69-Tm-167

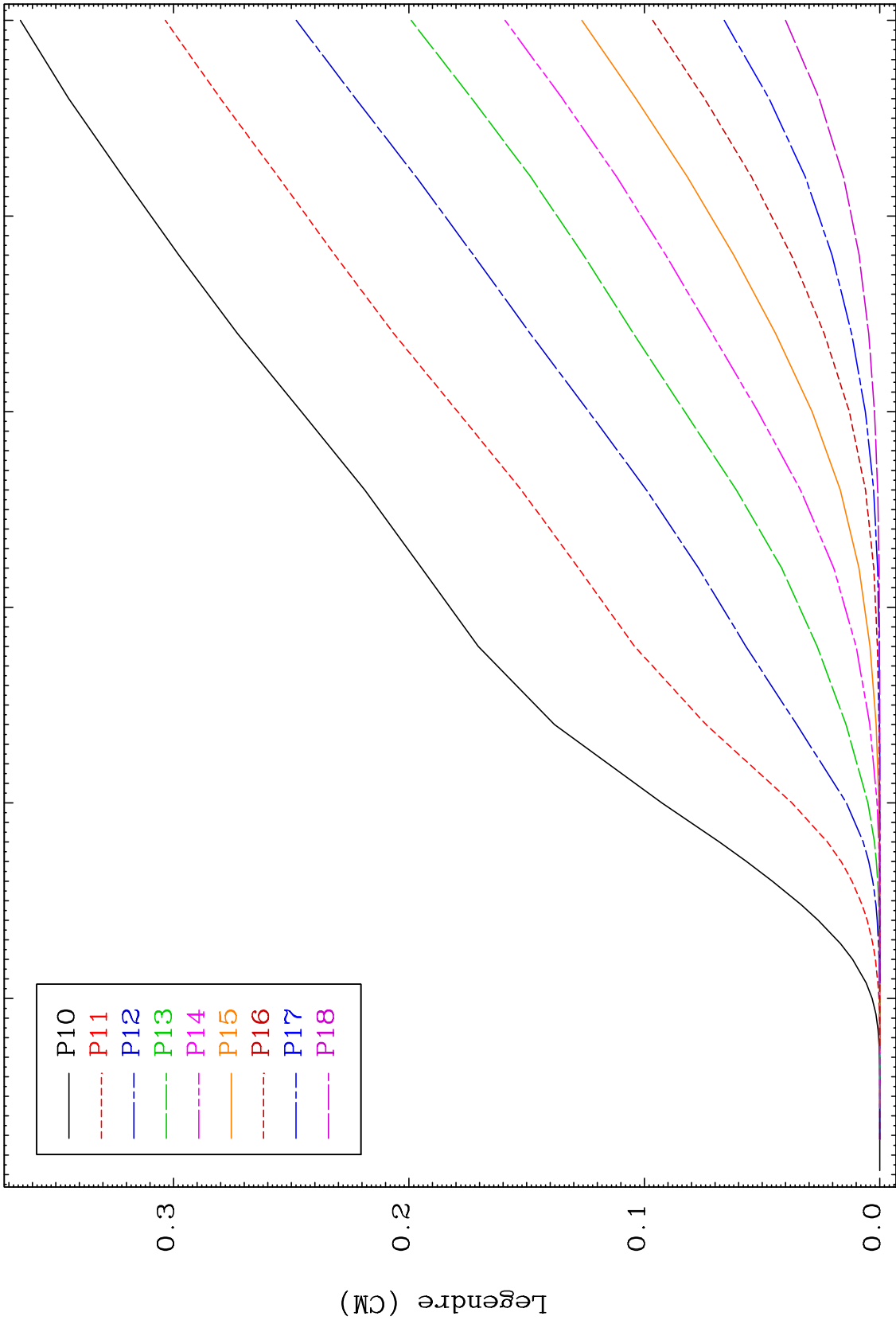
30



MAT 6919

Elastic Legendre Coefficients

69-Tm-167



16

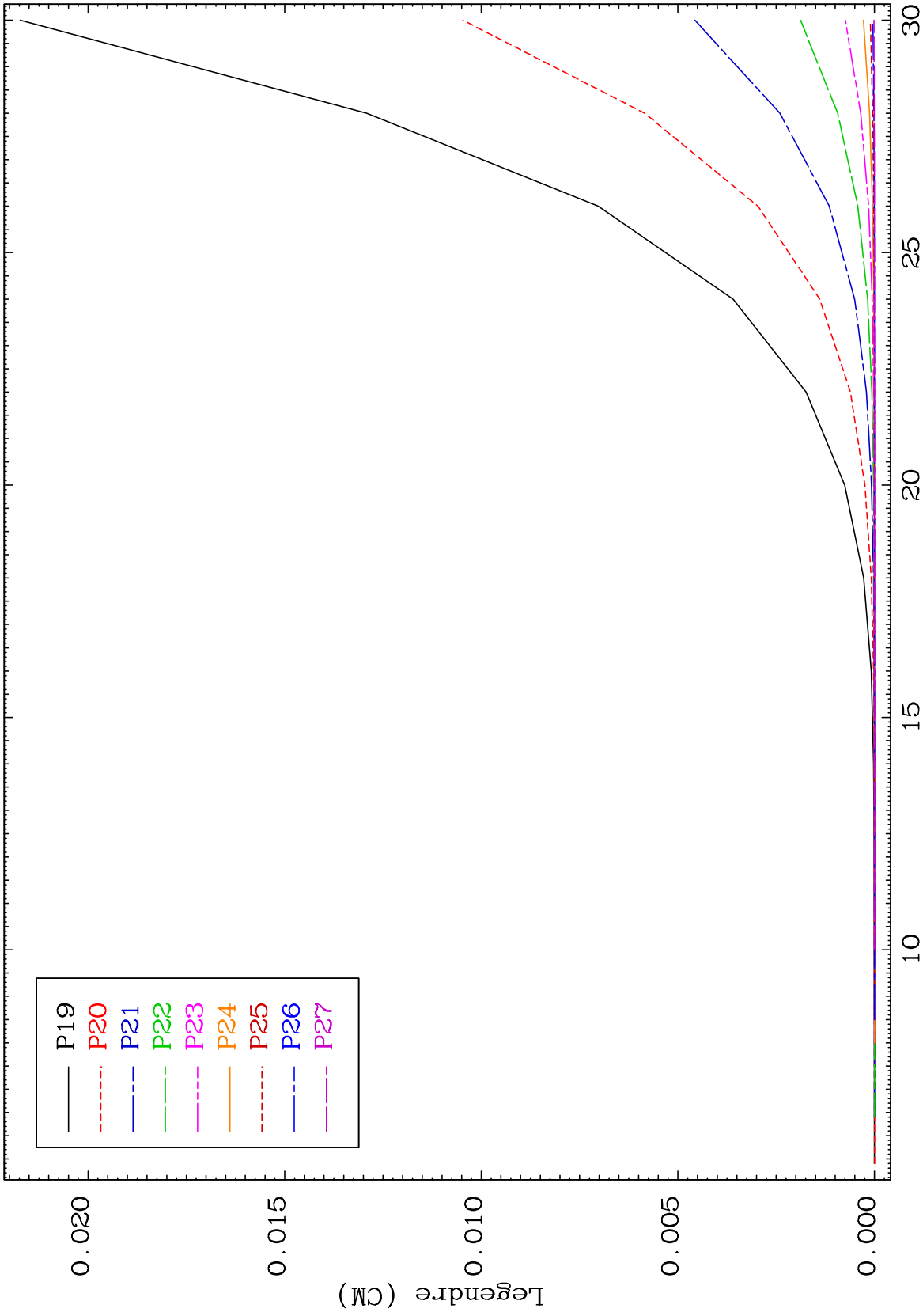
Incident Energy (MeV)

69-Tm-167

MAT 6919

### Elastic Legendre Coefficients

69-Tm-167



17

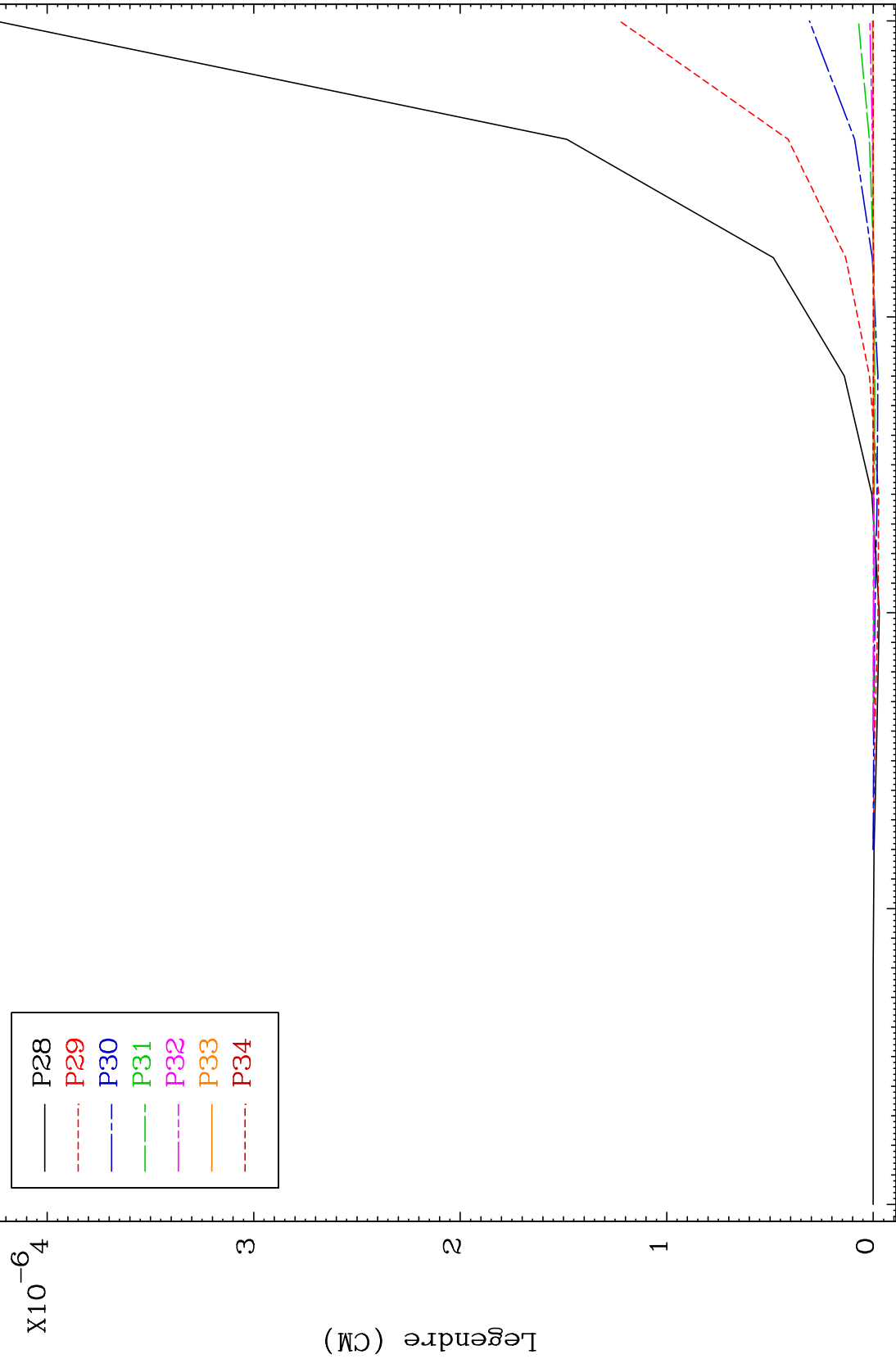
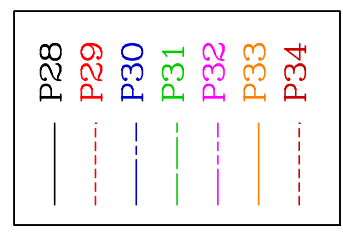
Incident Energy (MeV)

69-Tm-167

MAT 6919

Elastic Legendre Coefficients

69-Tm-167

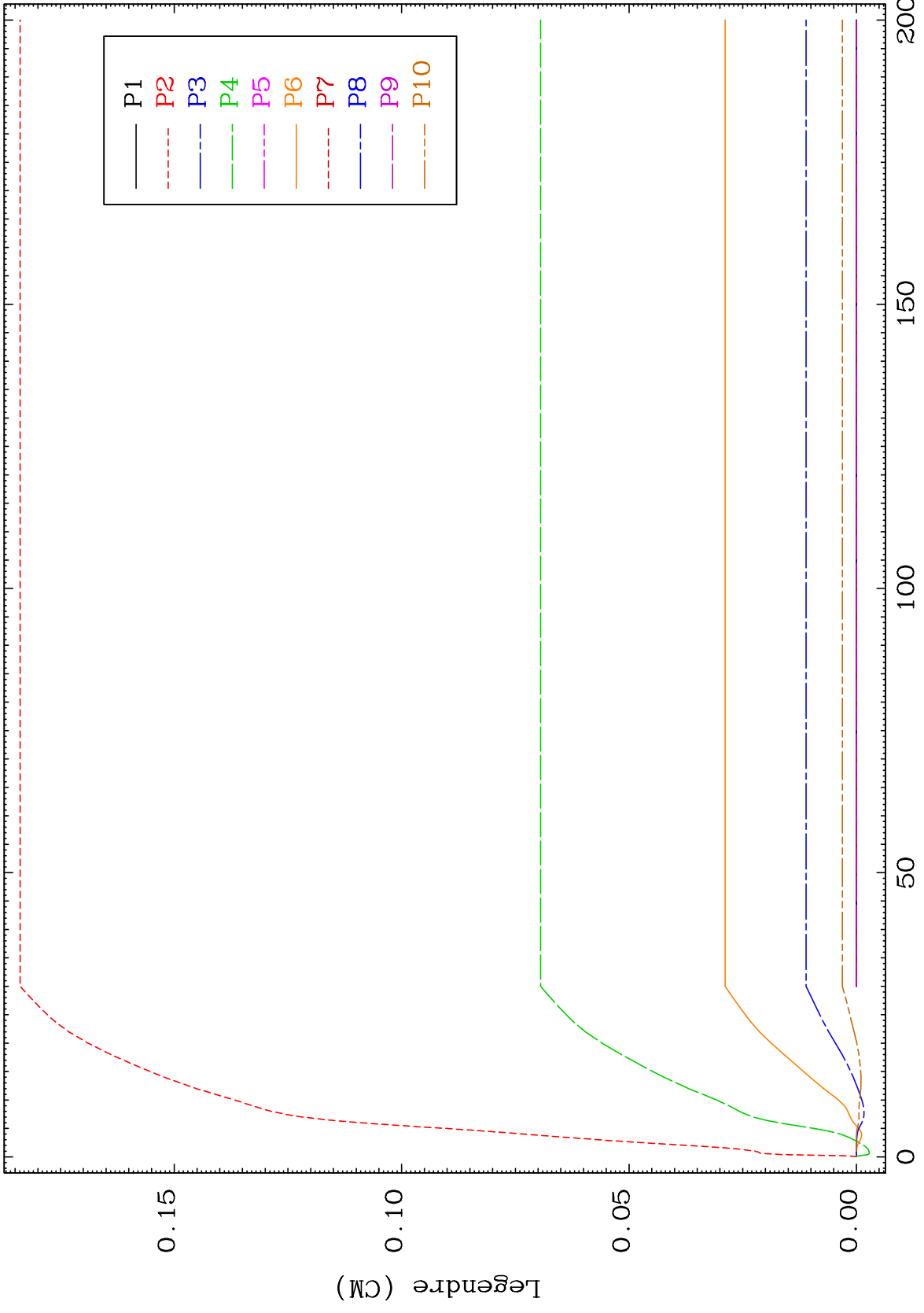


18

Incident Energy (MeV)

69-Tm-167

MAT 6919 MT= 51 (n,n') Level Legendre Coefficients 69-Tm-167

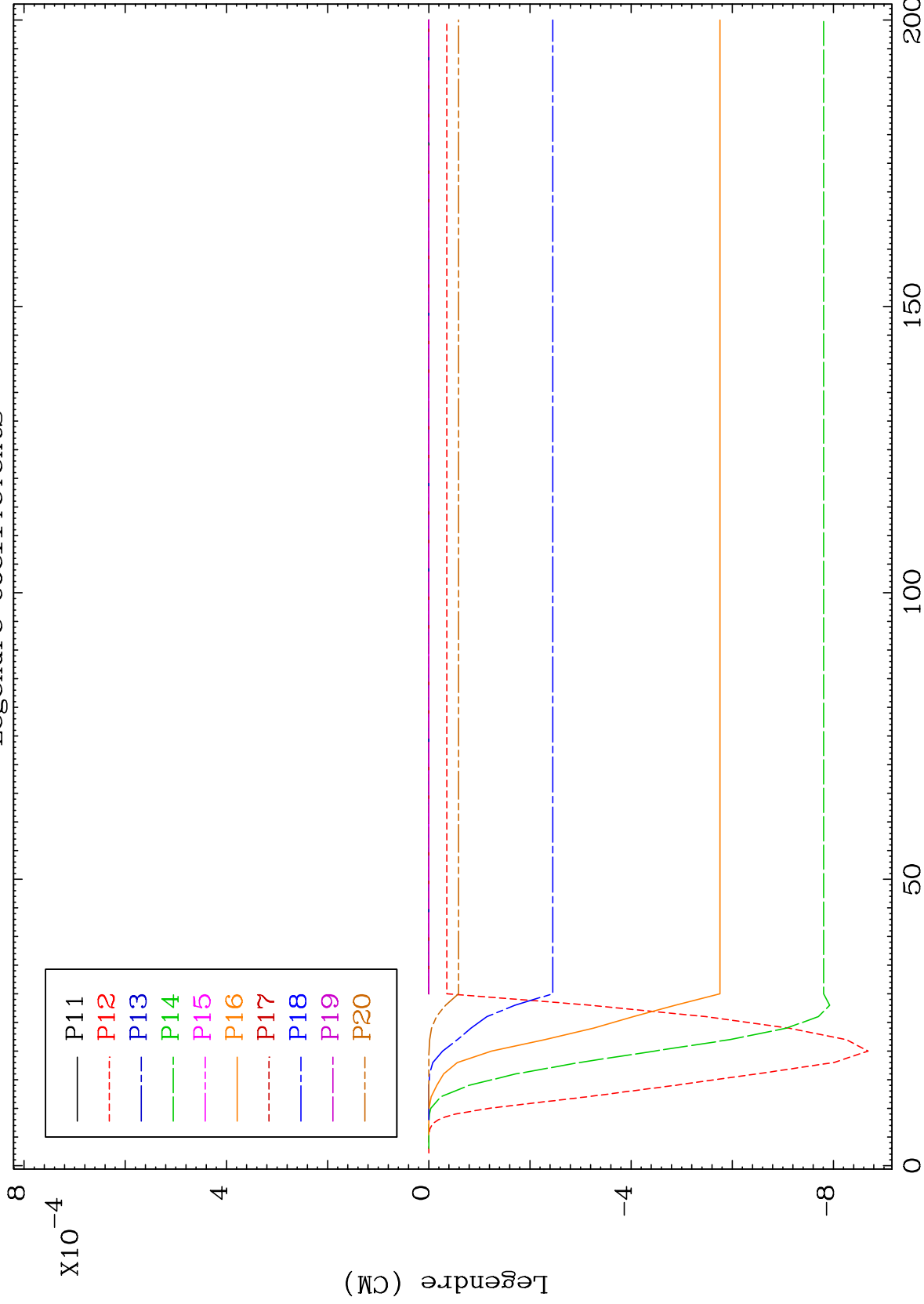


19 Incident Energy (MeV) 69-Tm-167

MAT 6919

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

69-Tm-167



20

Incident Energy (MeV)

50

69-Tm-167

100

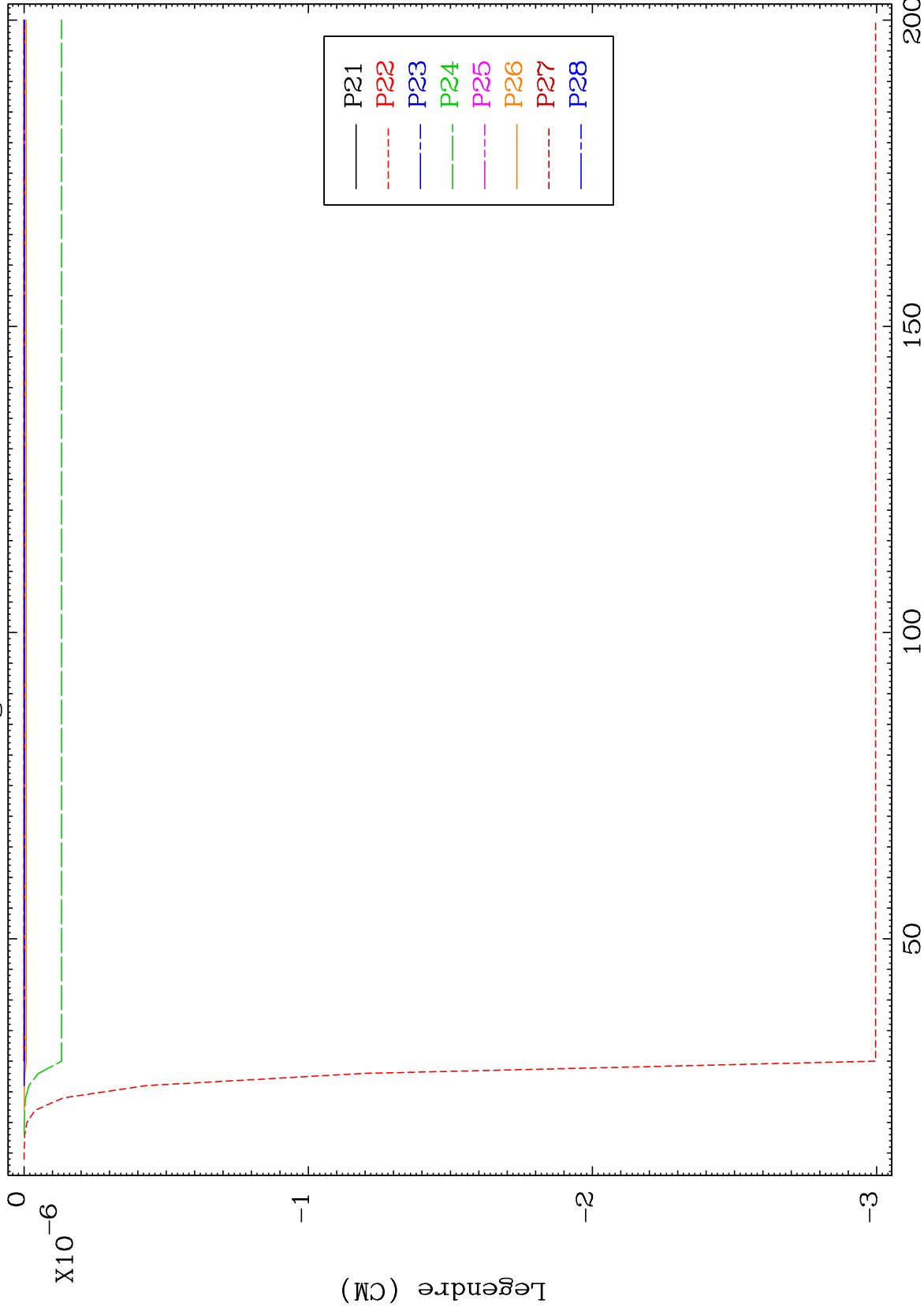
150

200

MAT 6919

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

69-Tm-167



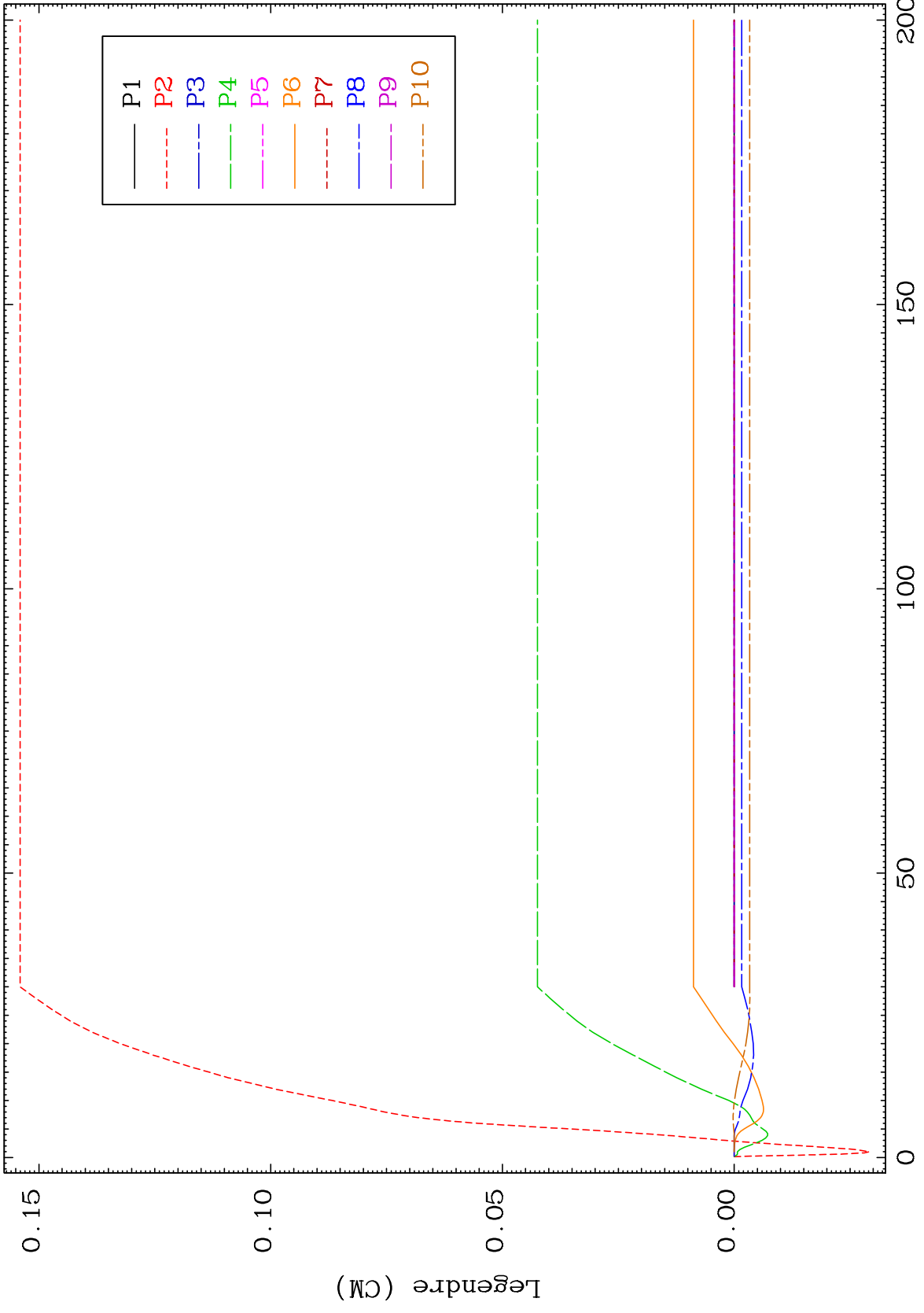
21

69-Tm-167

MAT 6919

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

69-Tm-167



22

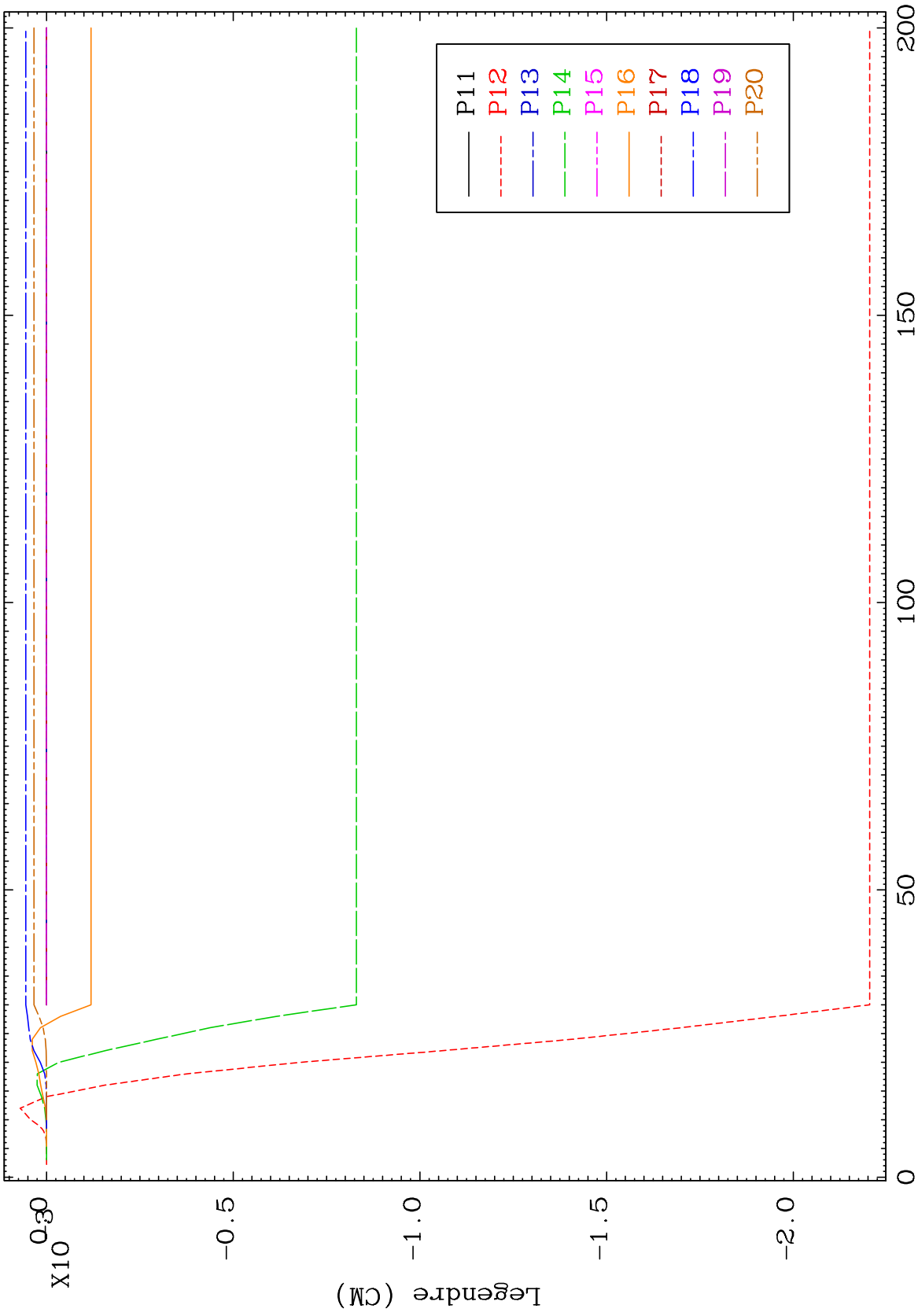
Incident Energy (MeV)

69-Tm-167

MAT 6919

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

69-Tm-167



23

Incident Energy (MeV)

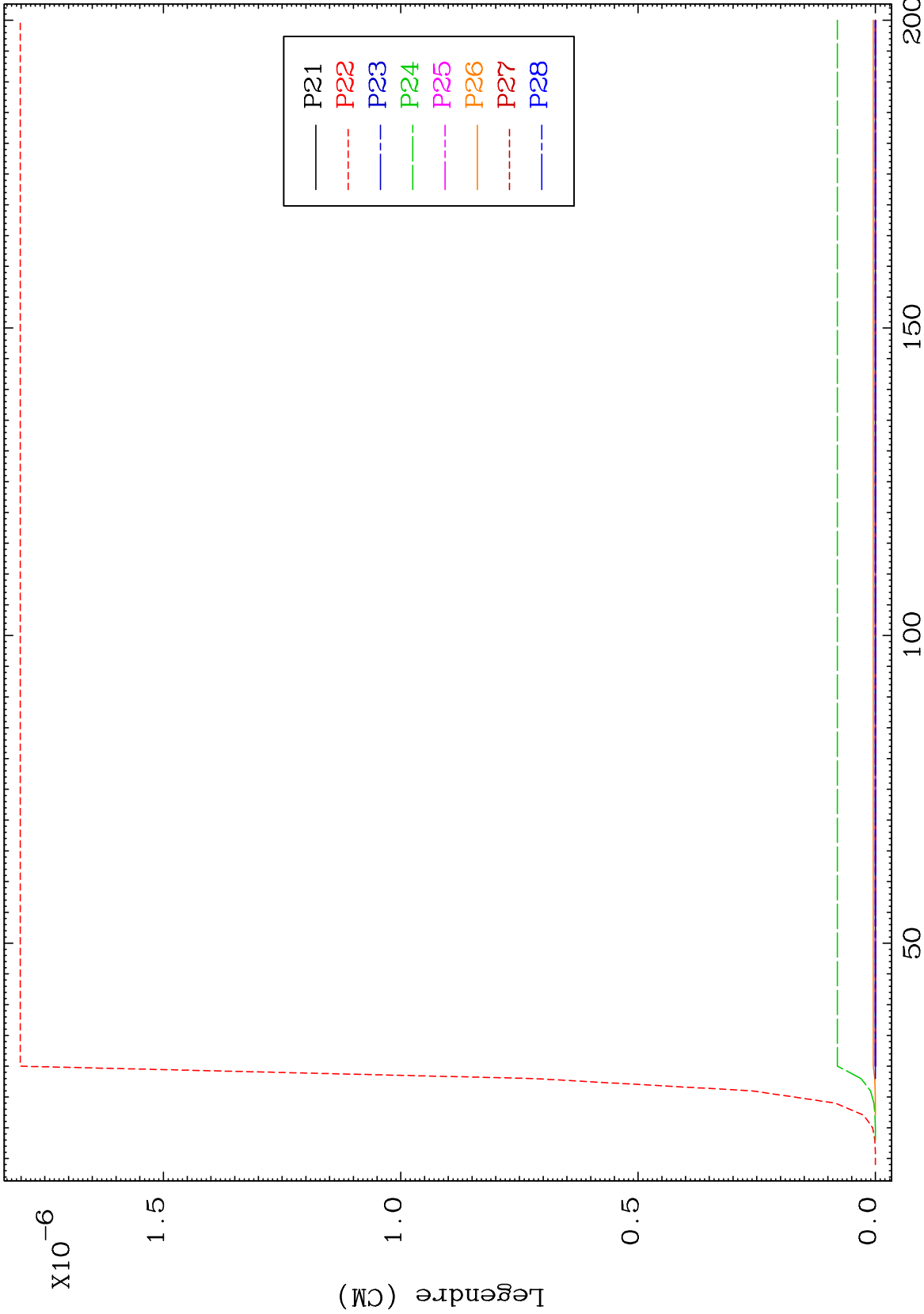
69-Tm-167



MAT 6919

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

69-Tm-167

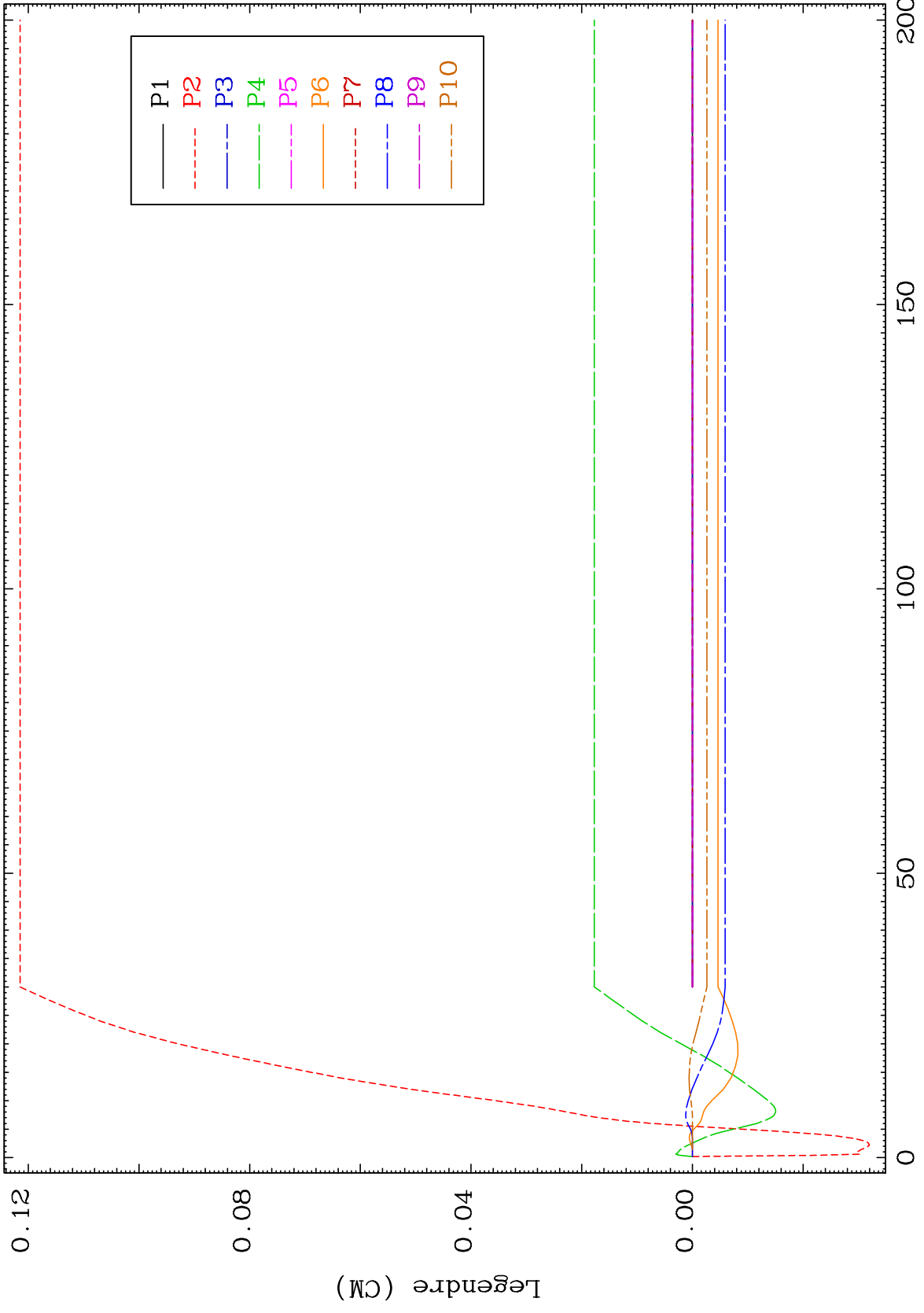


24

Incident Energy (MeV)

69-Tm-167

MAT 6919 MT= 53 (n,n') Level Legendre Coefficients 69-Tm-167

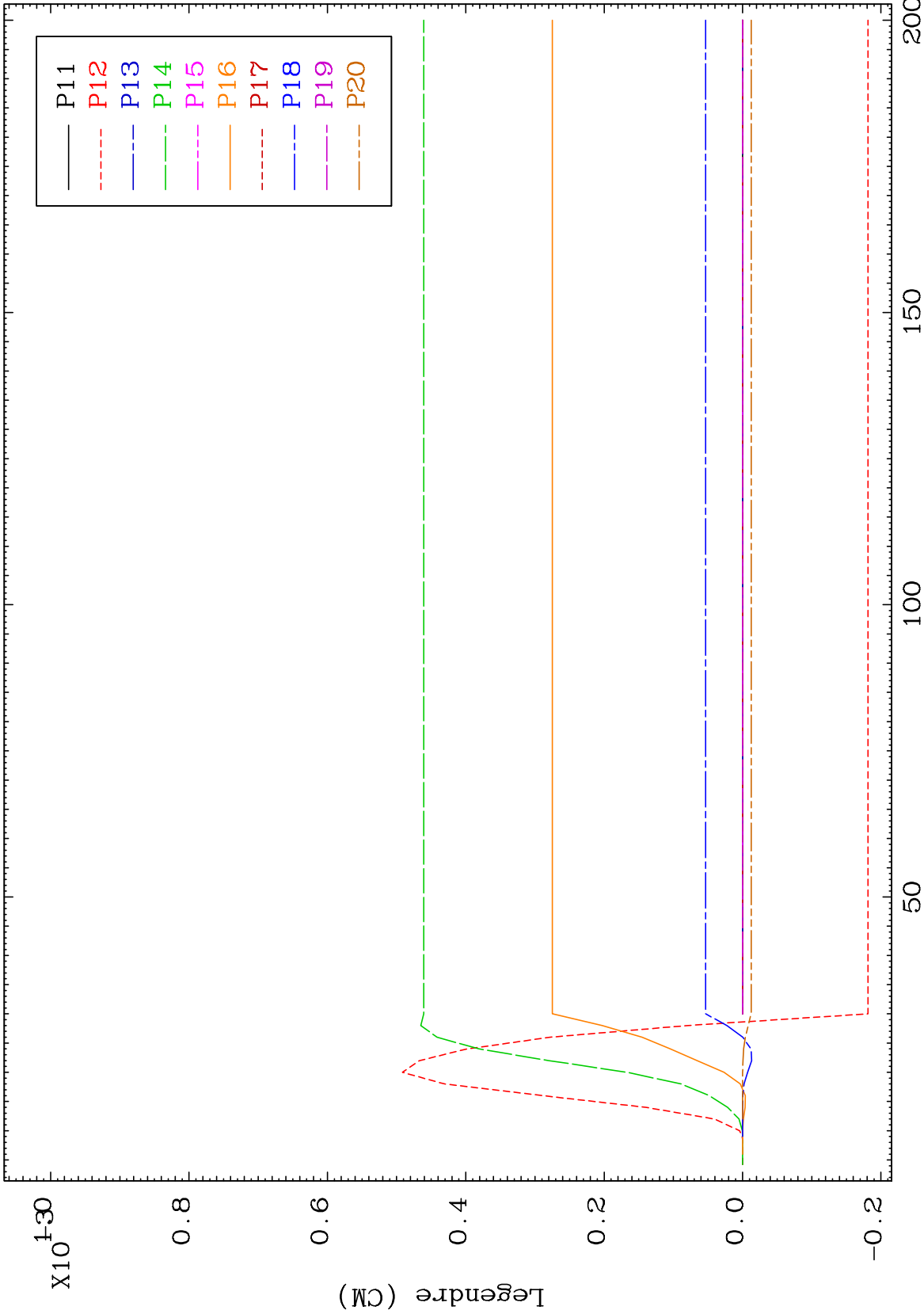


69-Tm-167

MAT 6919

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

69-Tm-167



26

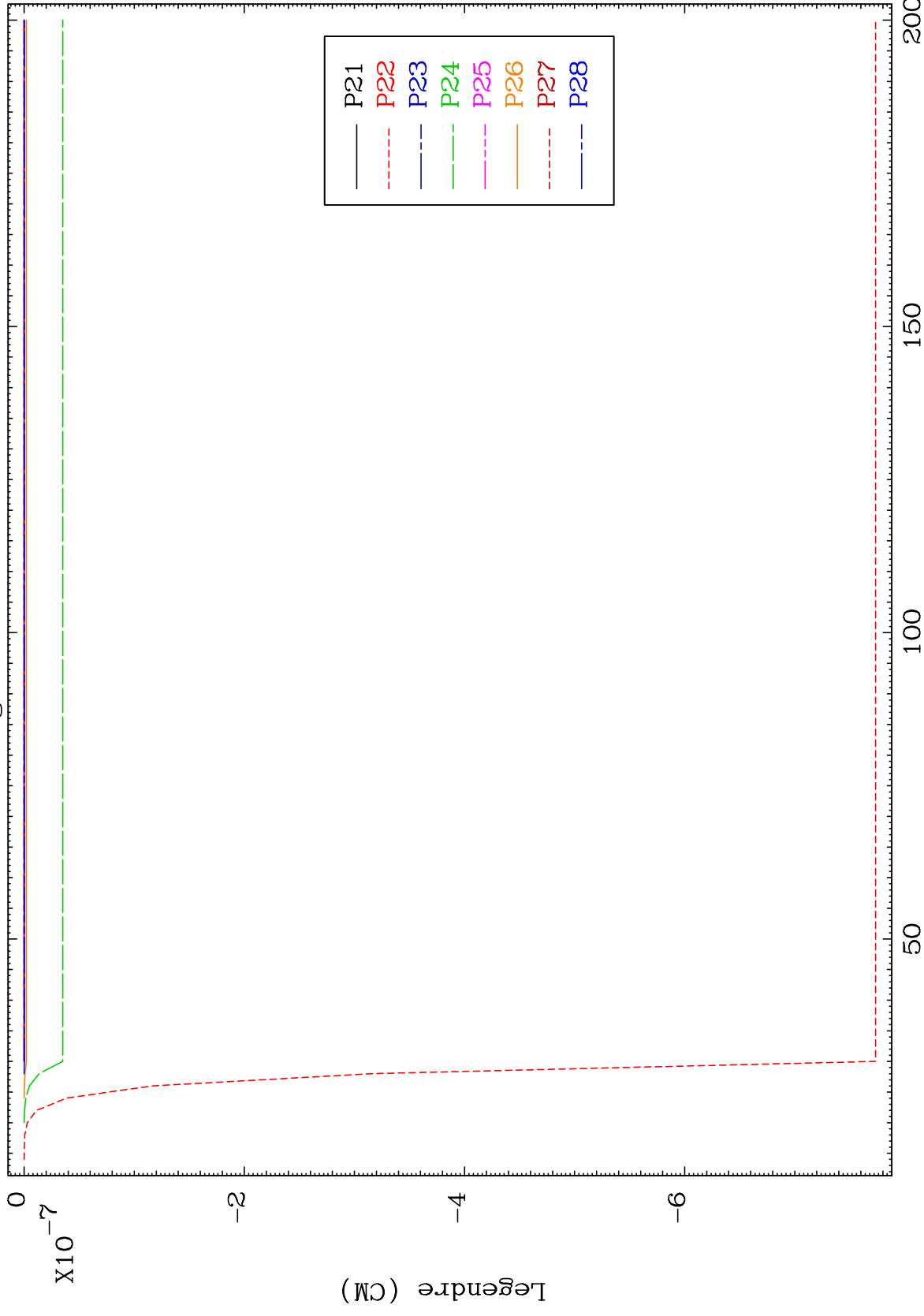
Incident Energy (MeV)

69-Tm-167

MAT 6919

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

69-Tm-167



69-Tm-167

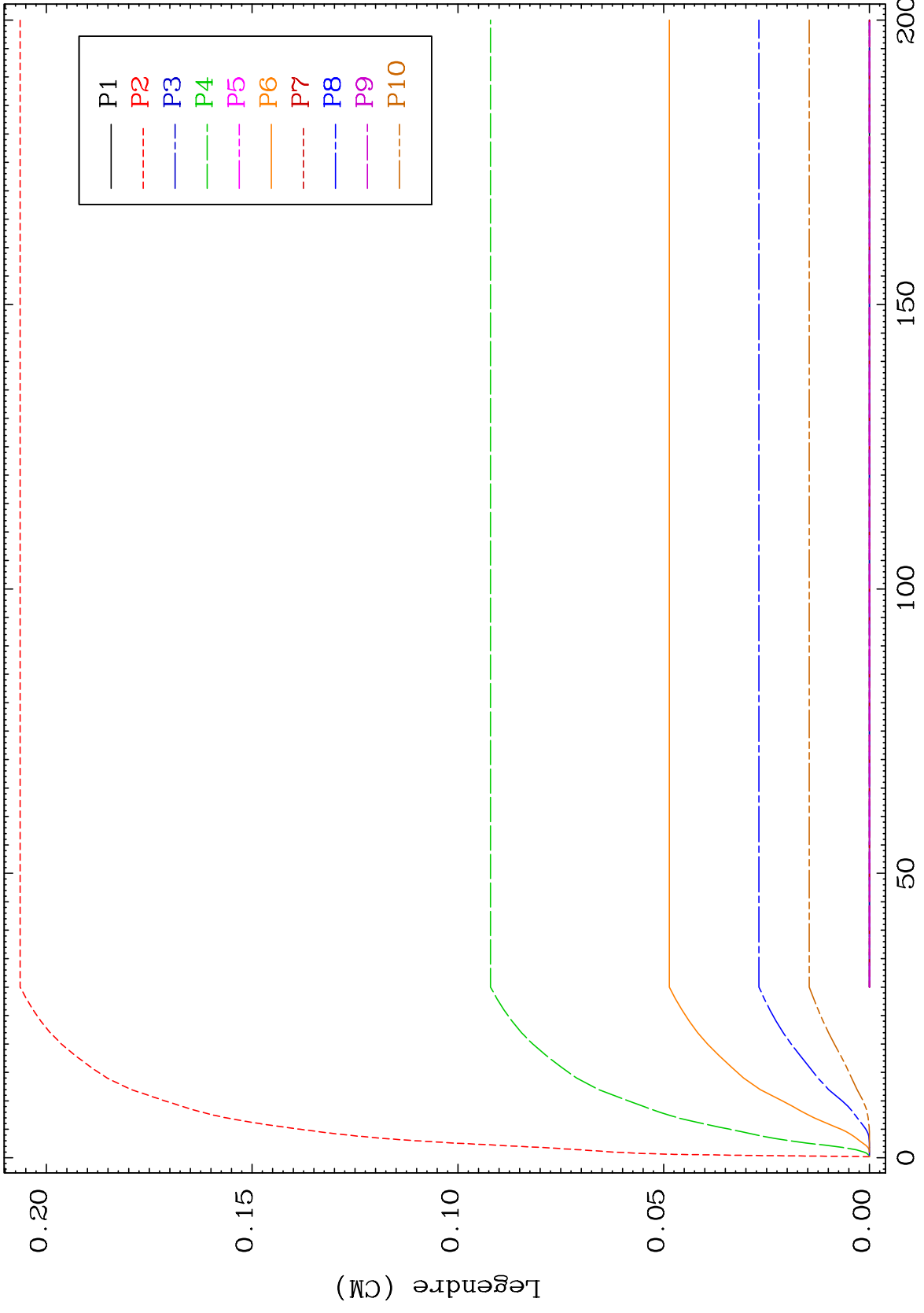
Incident Energy (MeV)

27

MAT 6919

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

69-Tm-167

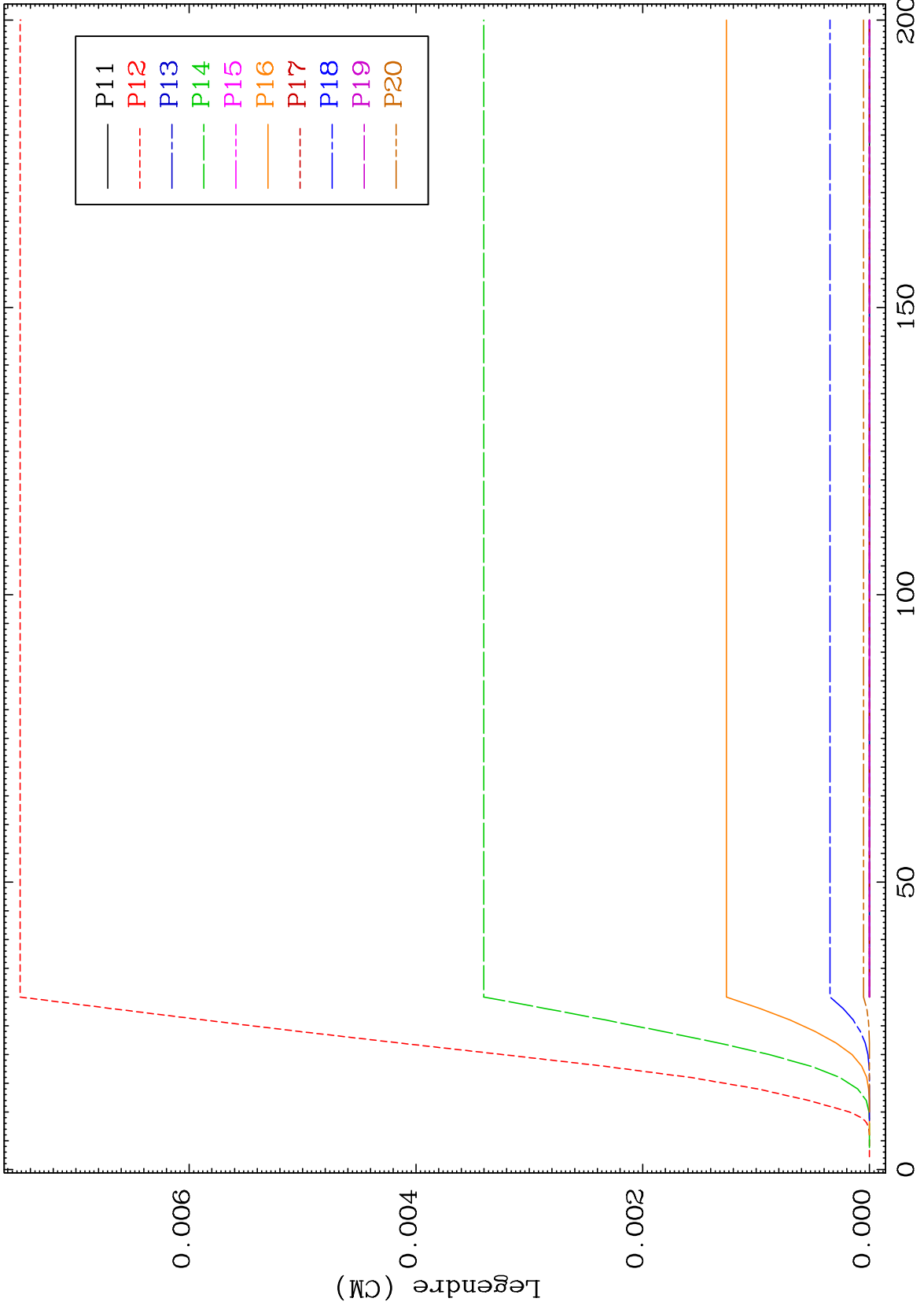


28

Incident Energy (MeV)

69-Tm-167

MAT 6919 MT= 54 (n,n') Level Legendre Coefficients 69-Tm-167

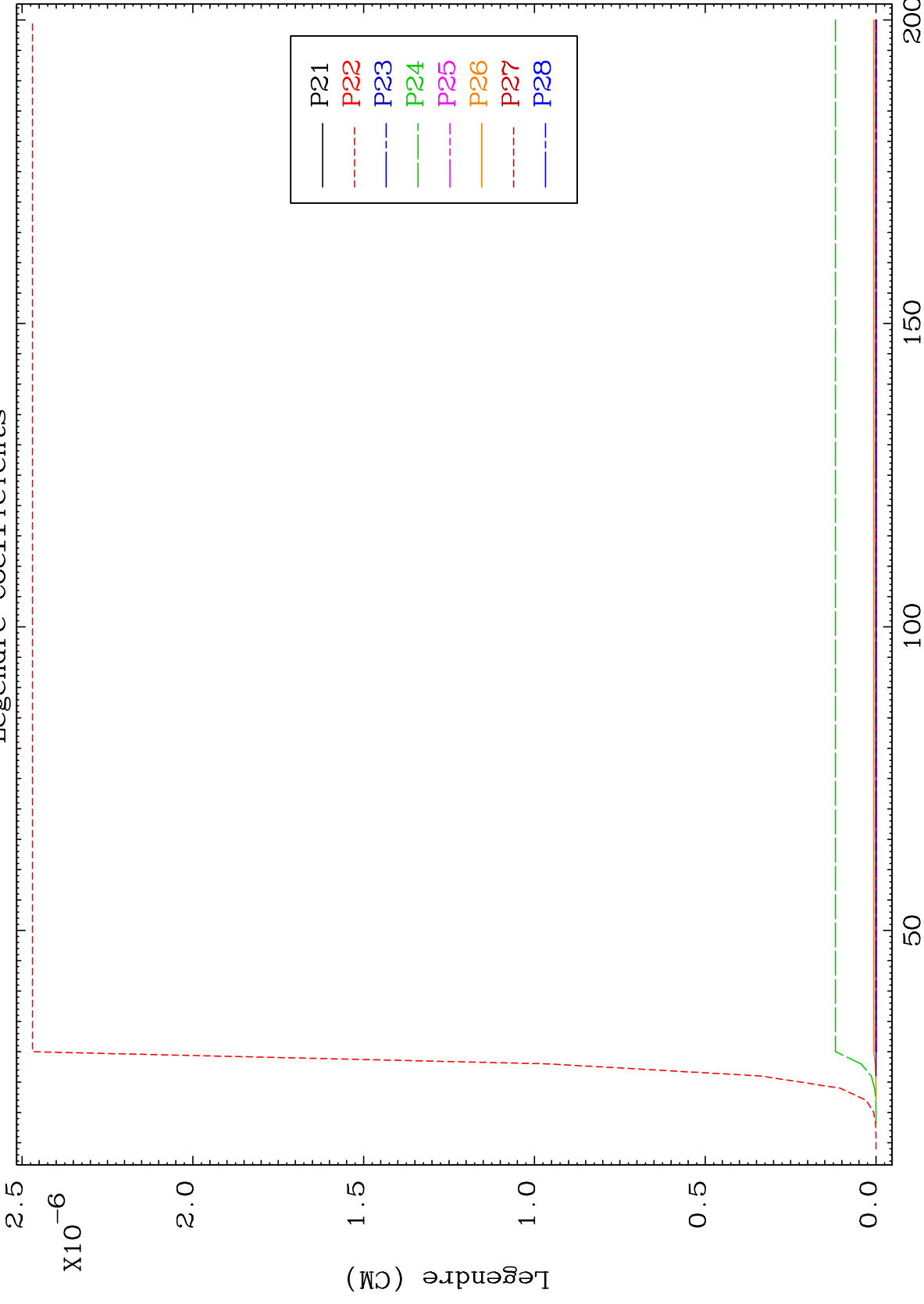


29 Incident Energy (MeV) 69-Tm-167

MAT 6919

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

69-Tm-167

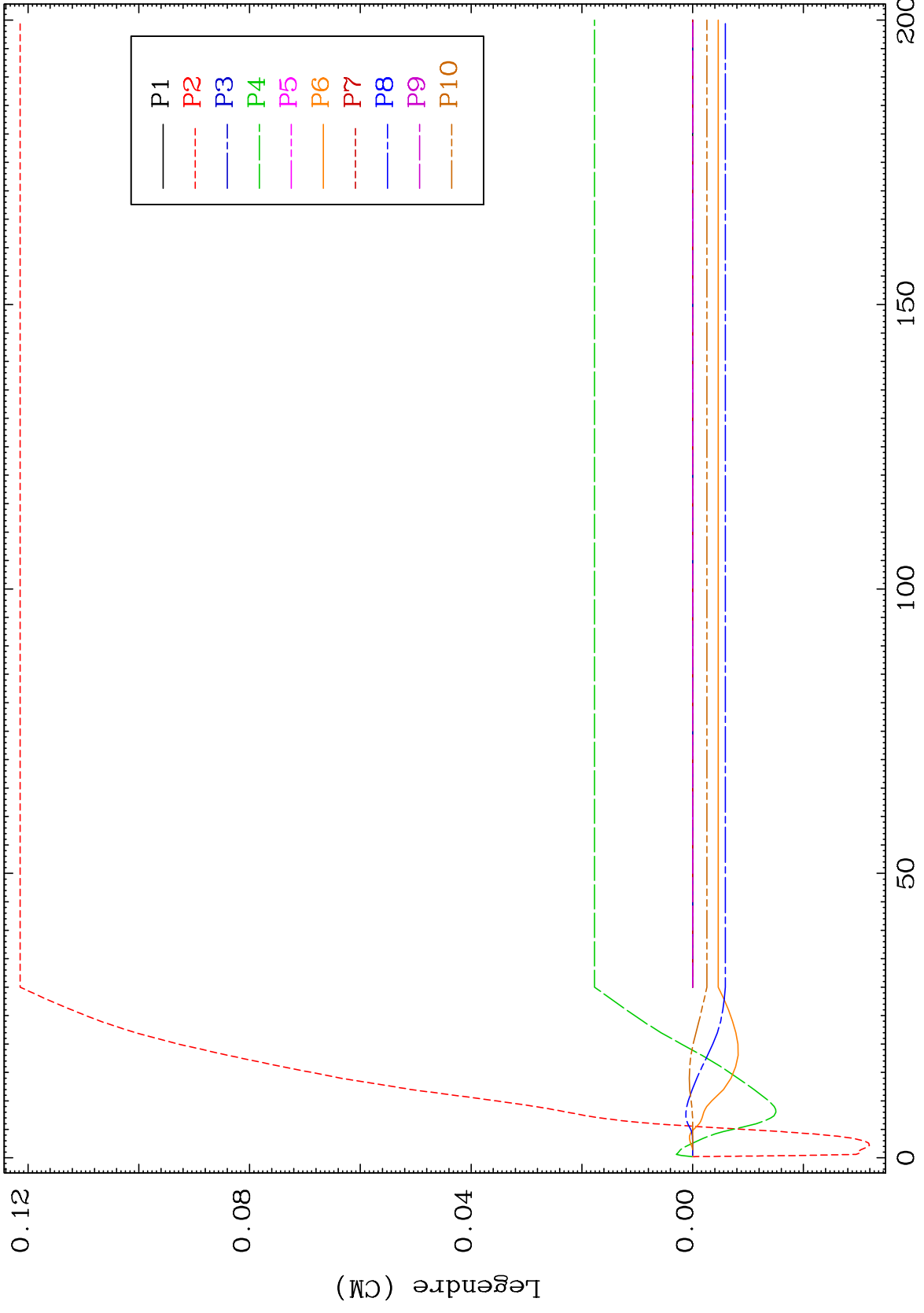


69-Tm-167

Incident Energy (MeV)

30

MAT 6919 MT= 55 (n,n') Level Legendre Coefficients 69-Tm-167



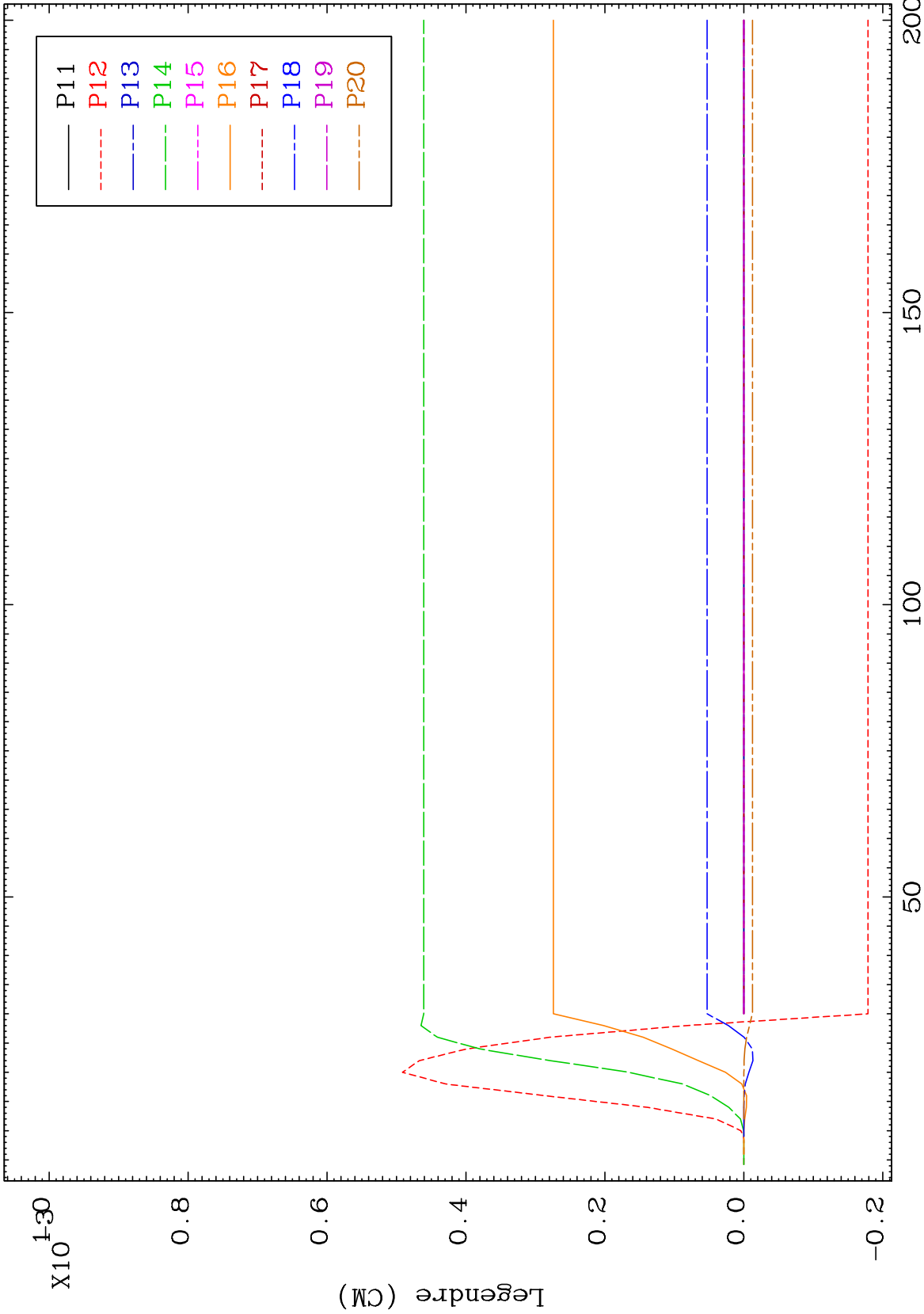
31 69-Tm-167



MAT 6919

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

69-Tm-167



32

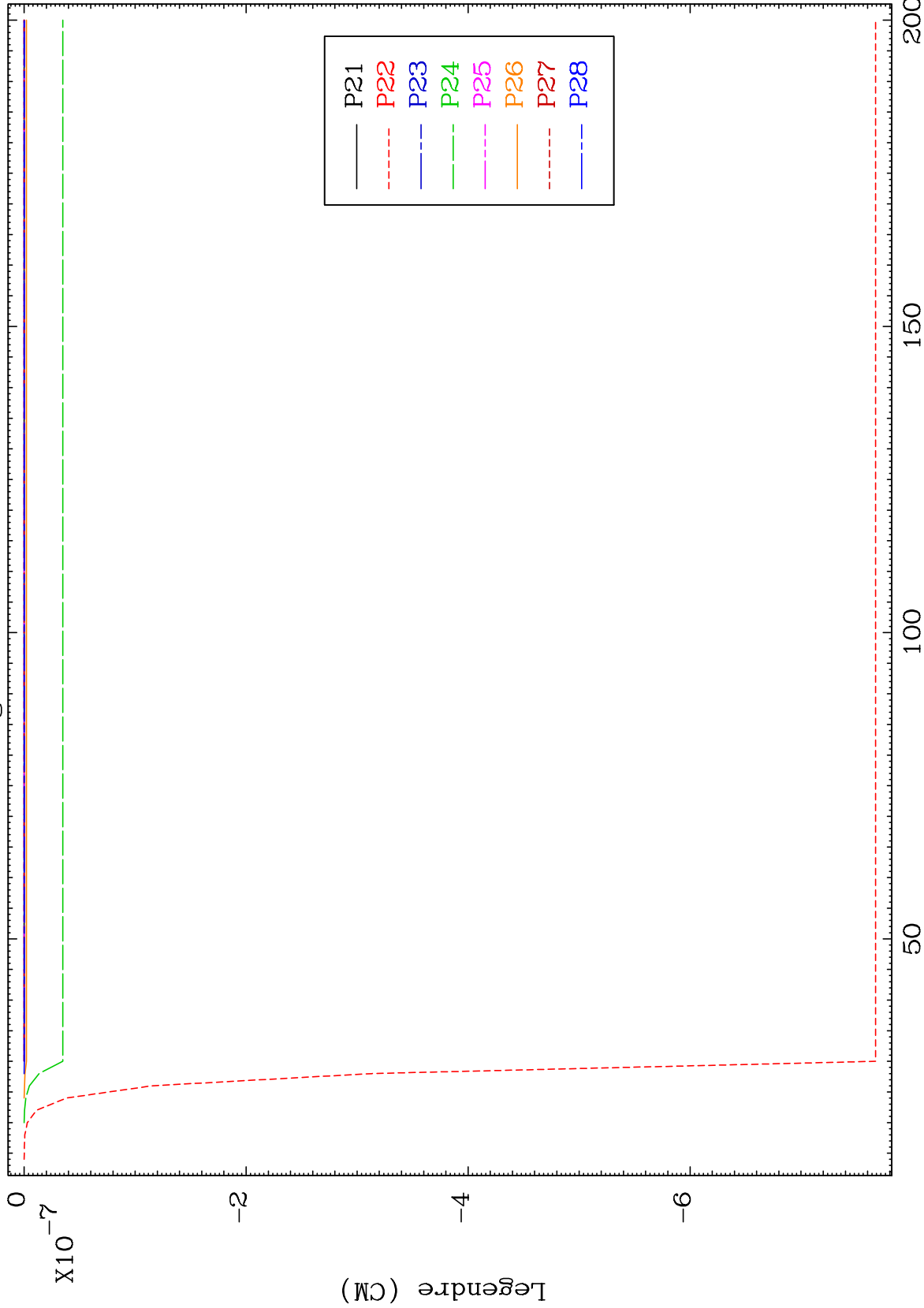
Incident Energy (MeV)

69-Tm-167

MAT 6919

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

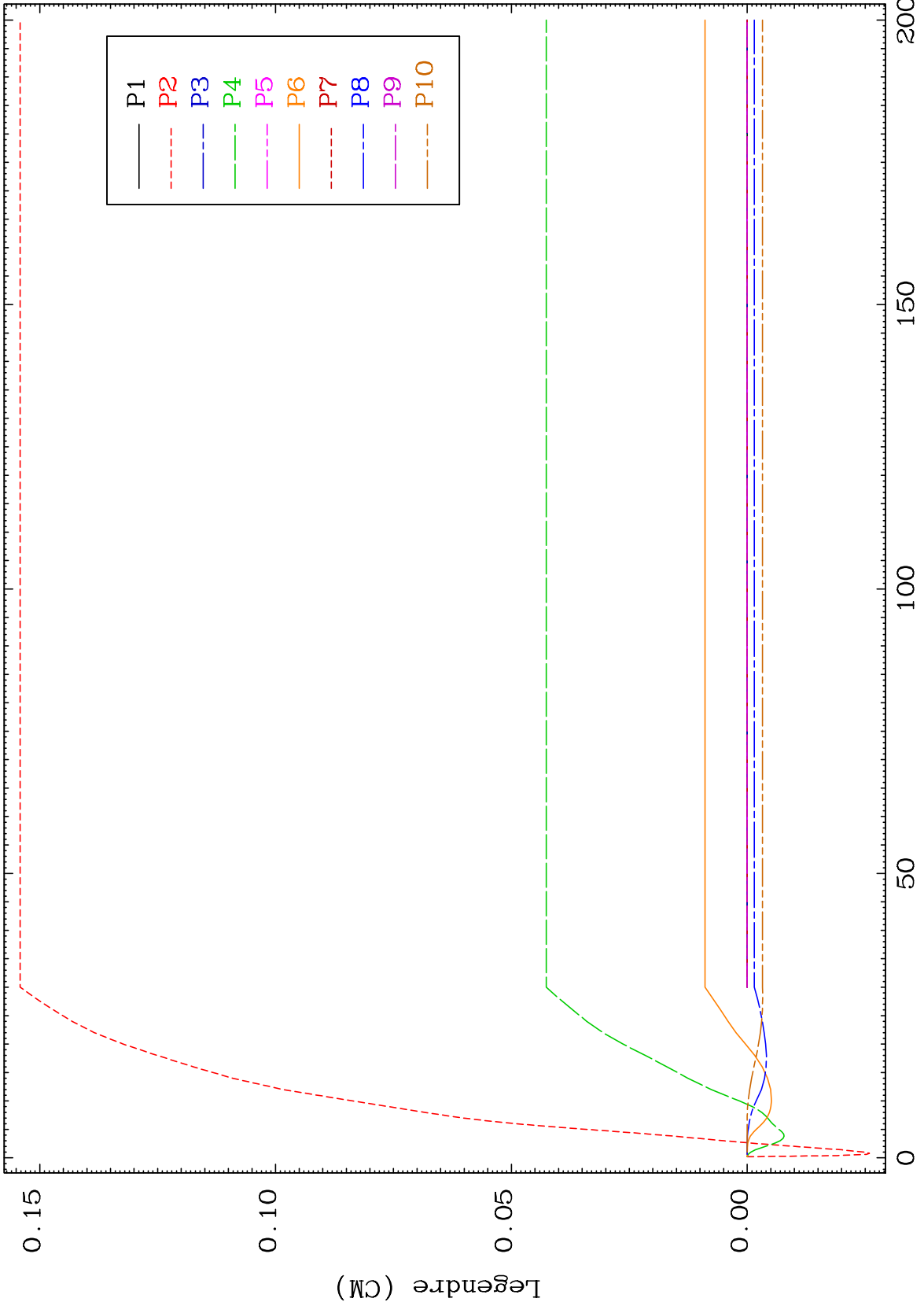
69-Tm-167



33

69-Tm-167

MAT 6919 MT= 56 (n,n') Level Legendre Coefficients 69-Tm-167

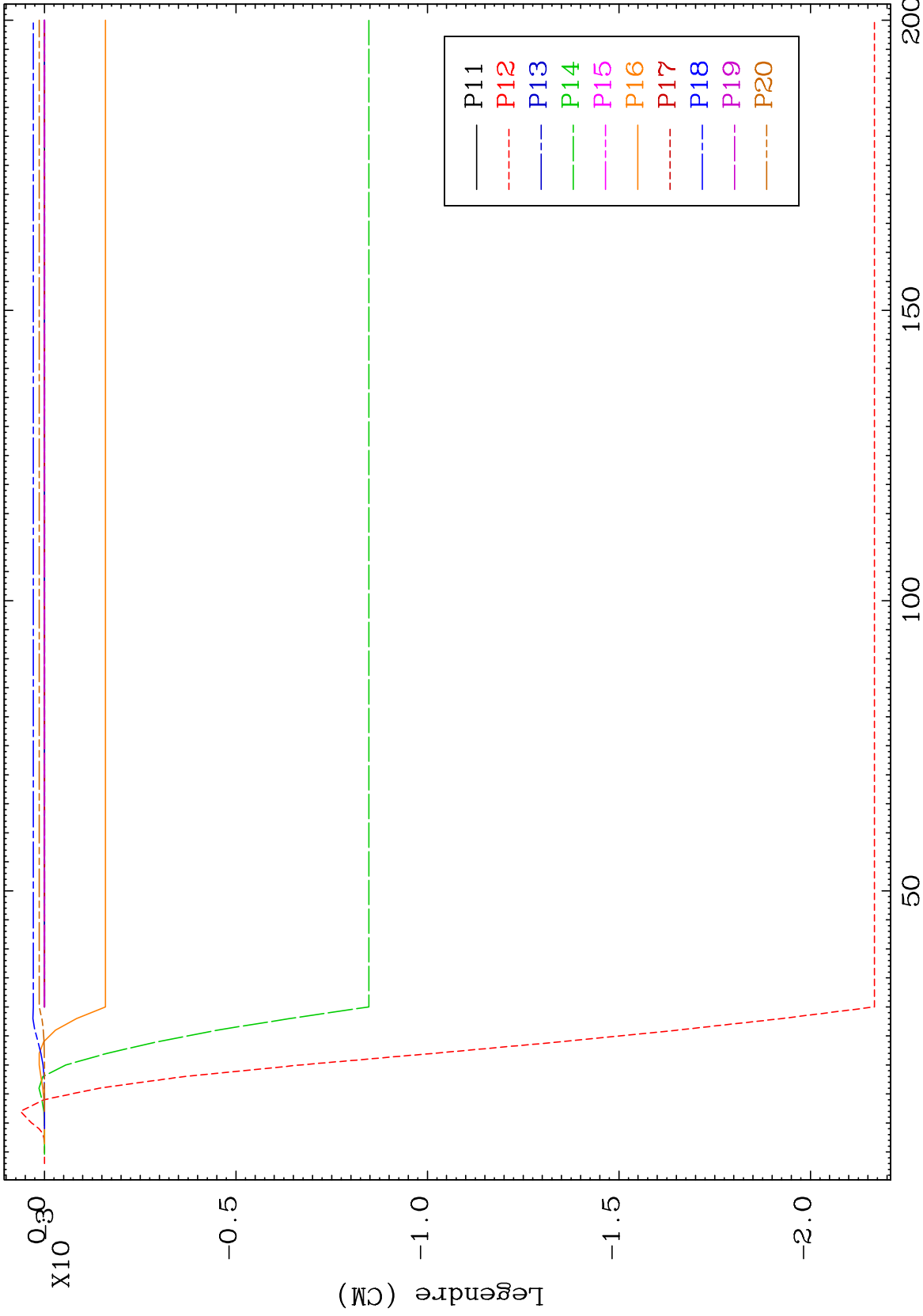


34 69-Tm-167

MAT 6919

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

69-Tm-167



35

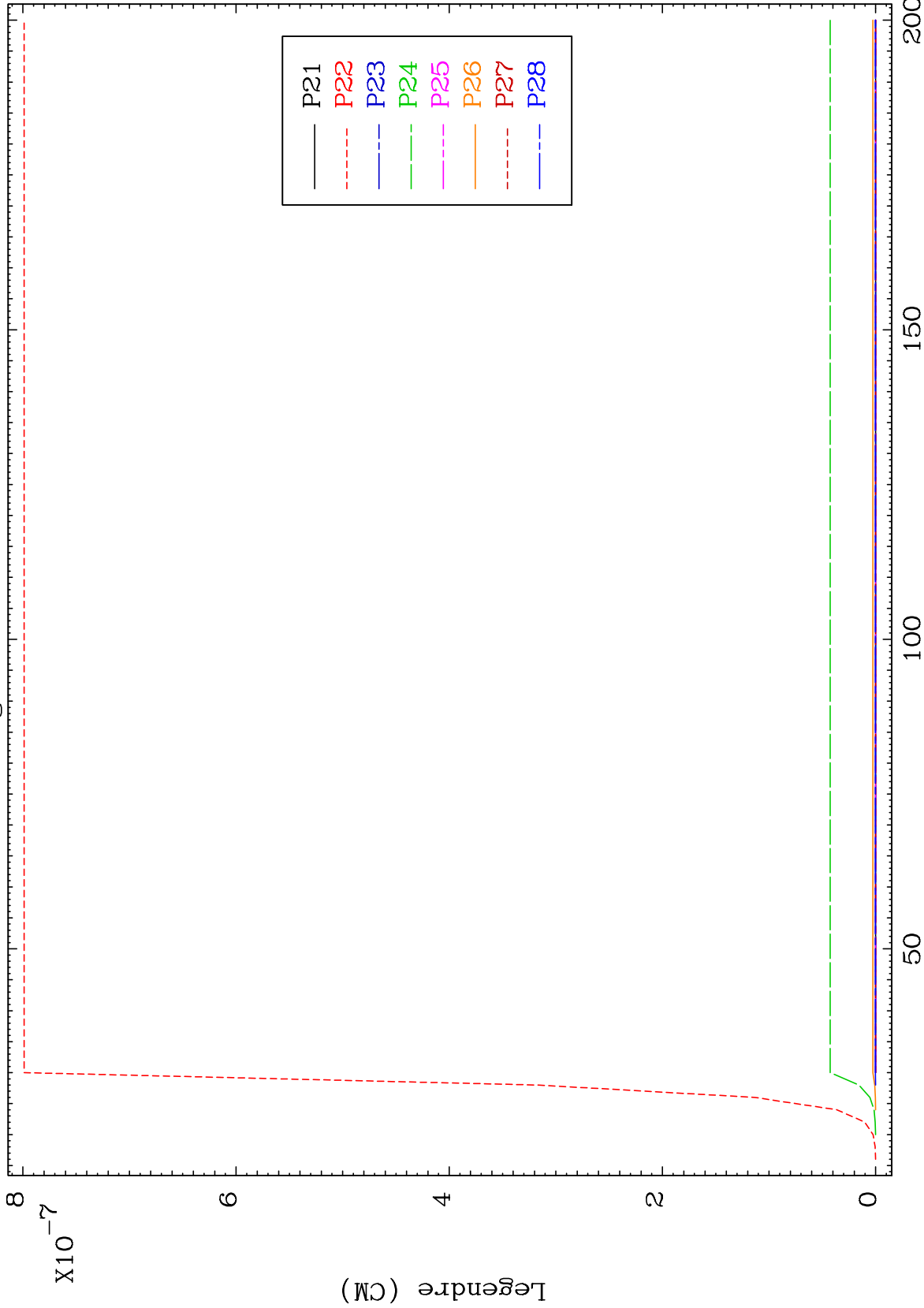
Incident Energy (MeV)

69-Tm-167

MAT 6919

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

69-Tm-167



36

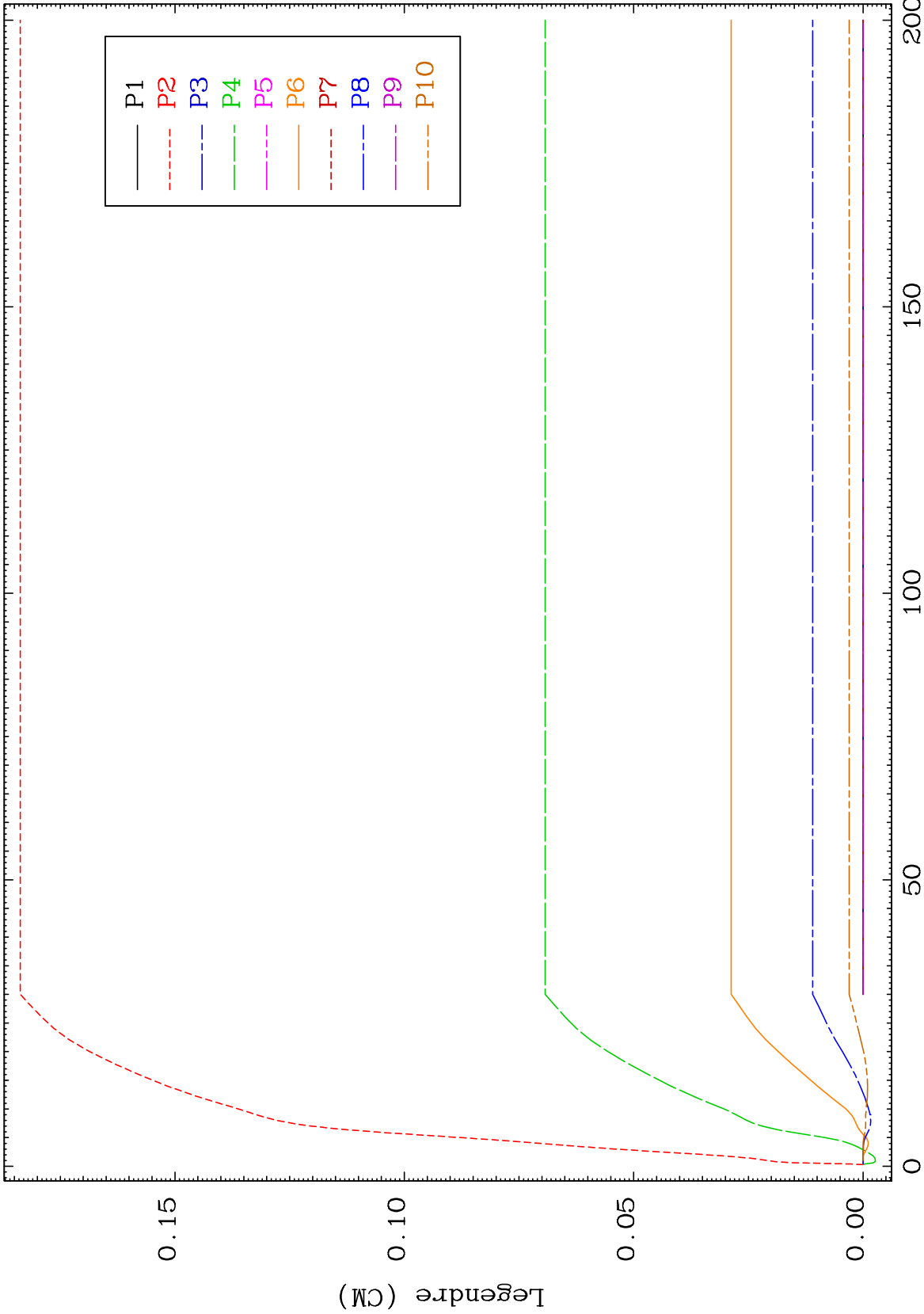
Incident Energy (MeV)

69-Tm-167

MAT 6919

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

69-Tm-167



37

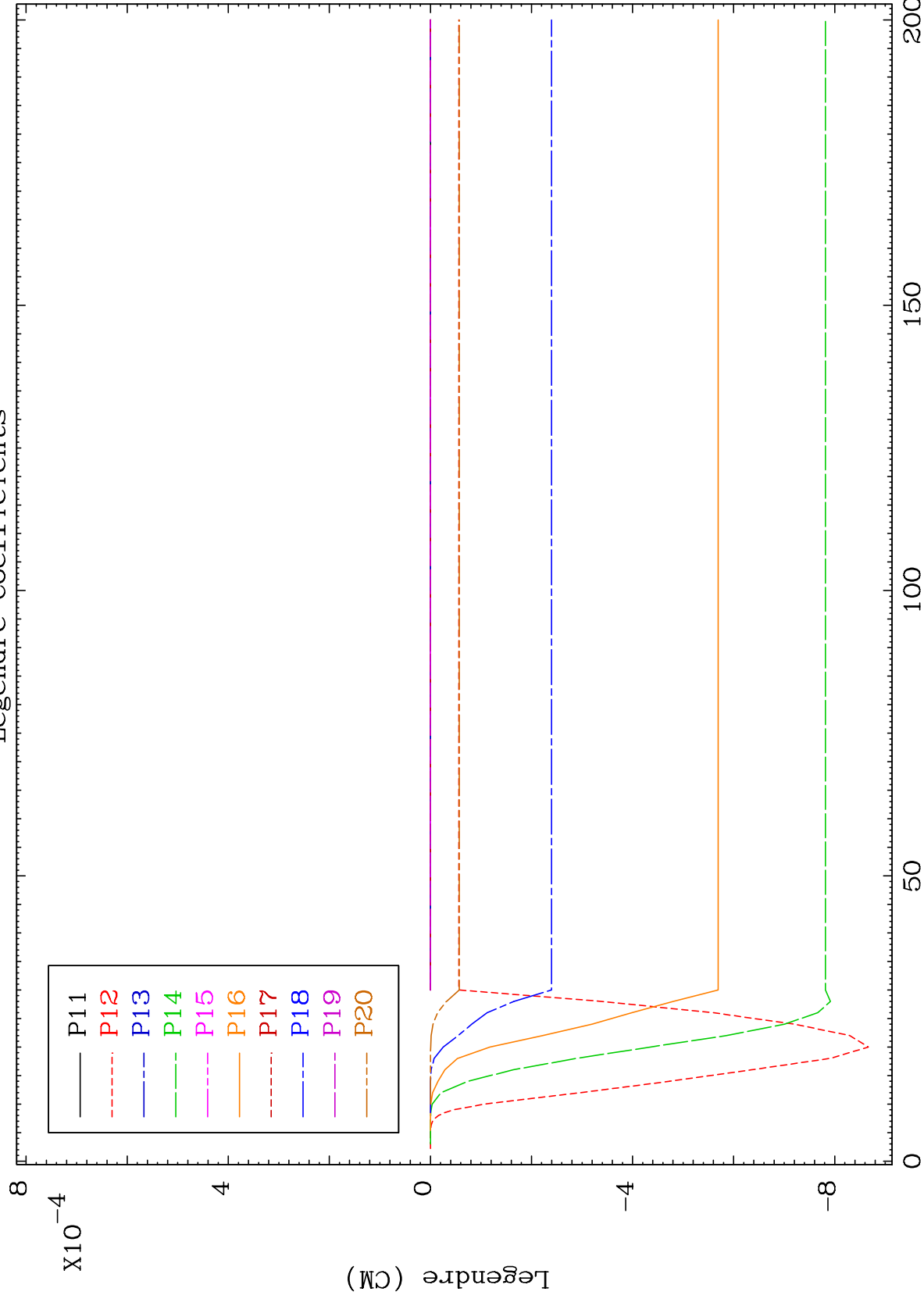
Incident Energy (MeV)

69-Tm-167

MAT 6919

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

69-Tm-167



38

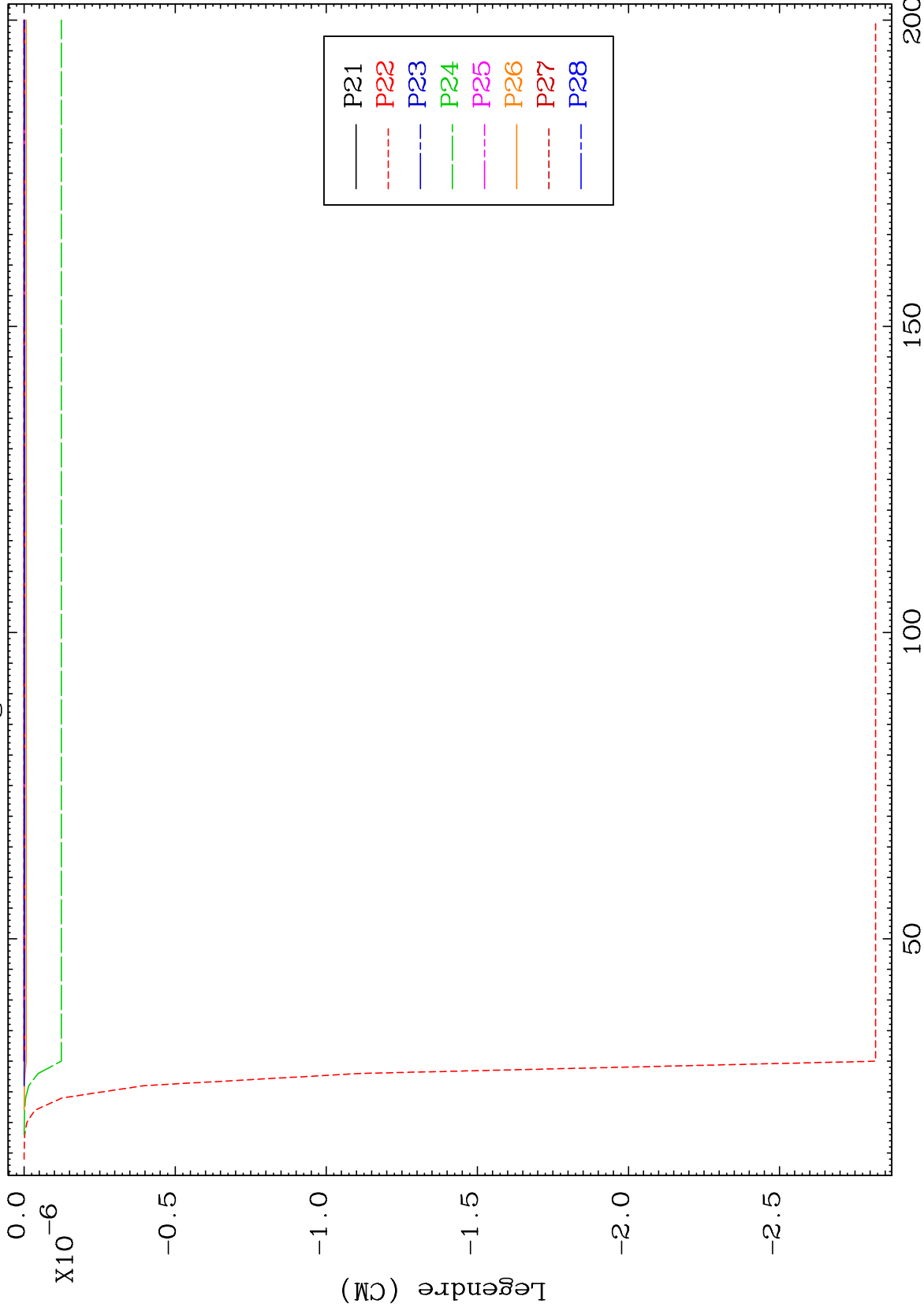
Incident Energy (MeV)

69-Tm-167

MAT 6919

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

69-Tm-167



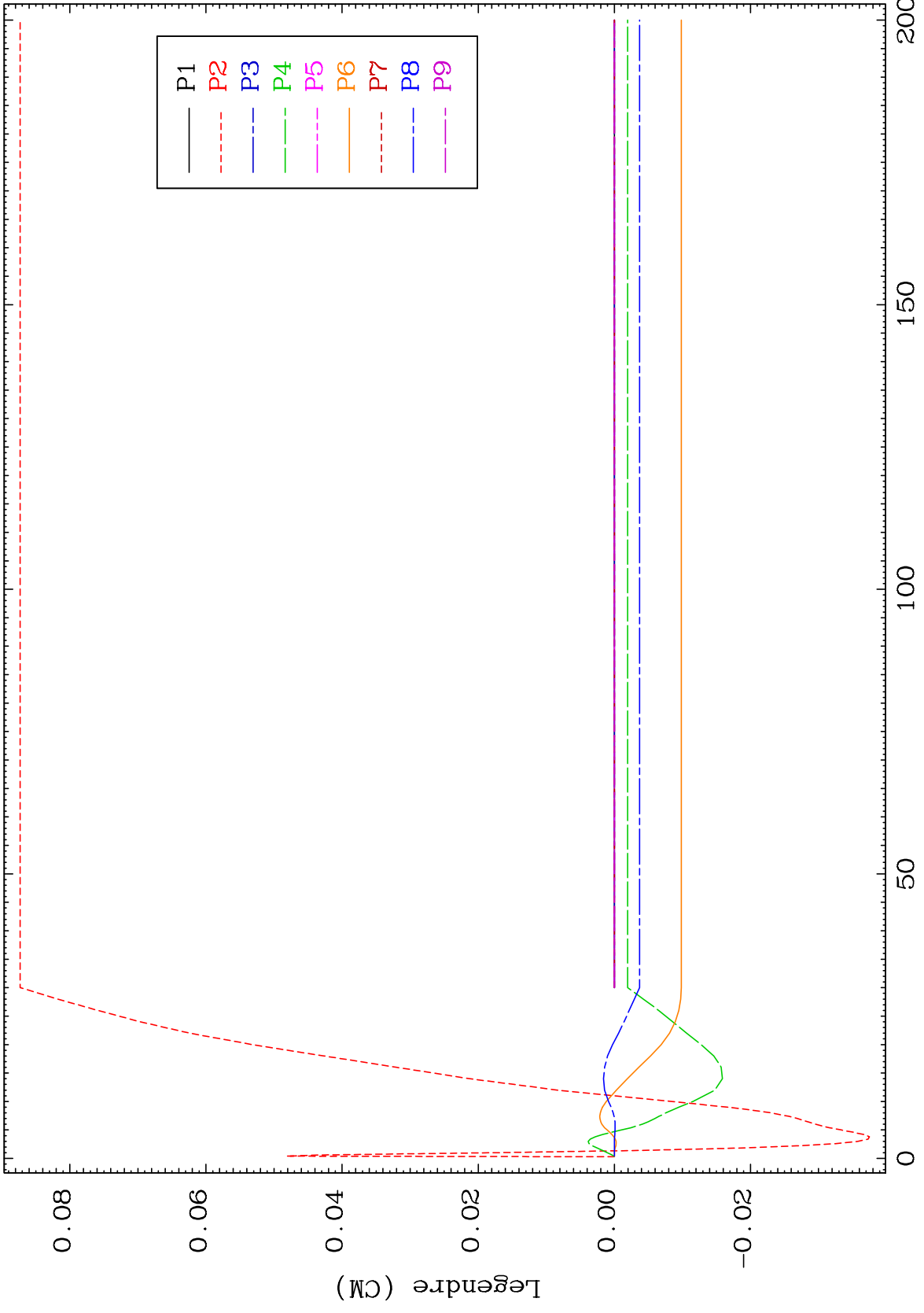
39

Incident Energy (MeV)

69-Tm-167



MAT 6919 MT= 58 (n,n') Level Legendre Coefficients 69-Tm-167

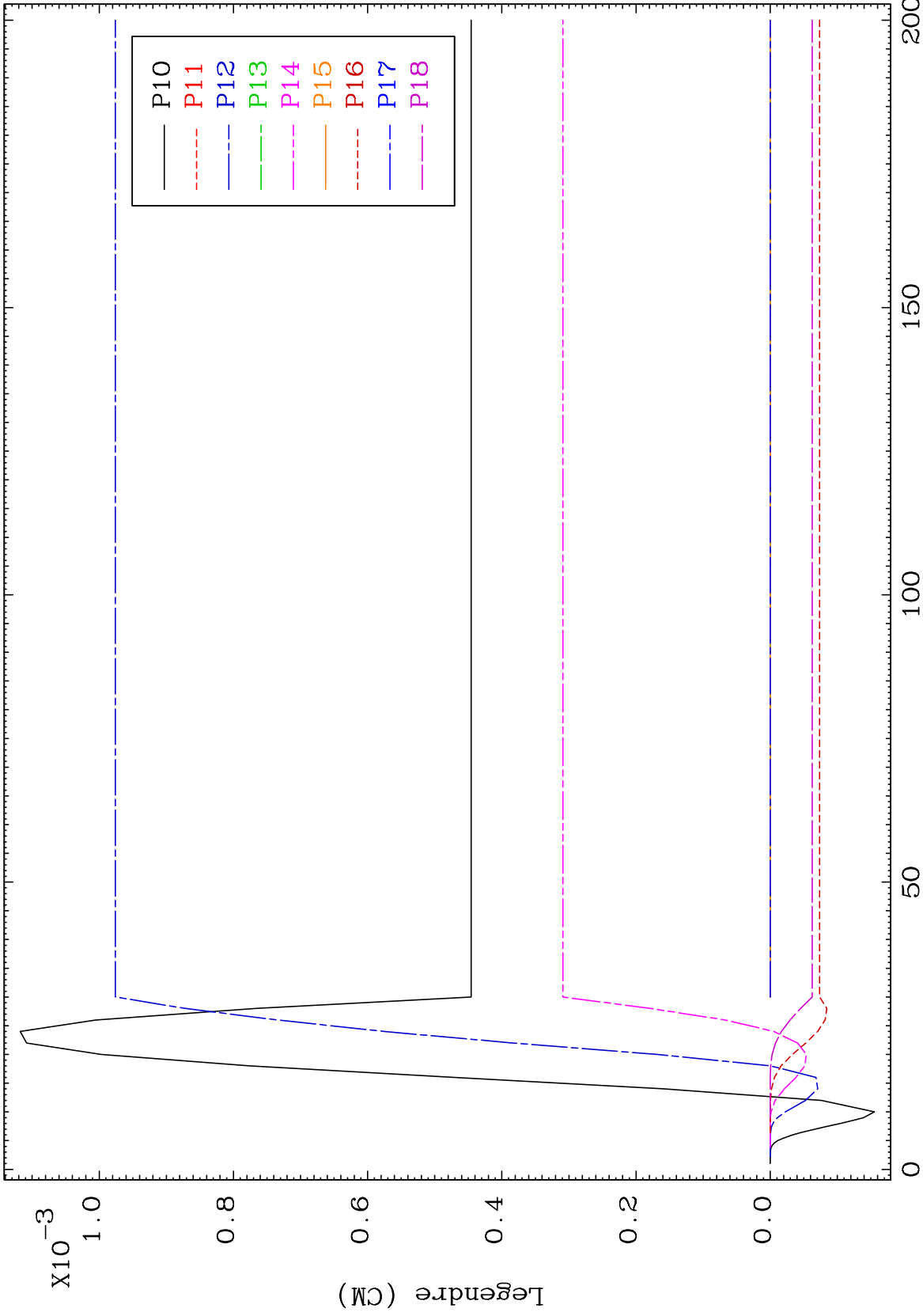


69-Tm-167 Incident Energy (MeV)

MAT 6919

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

69-Tm-167

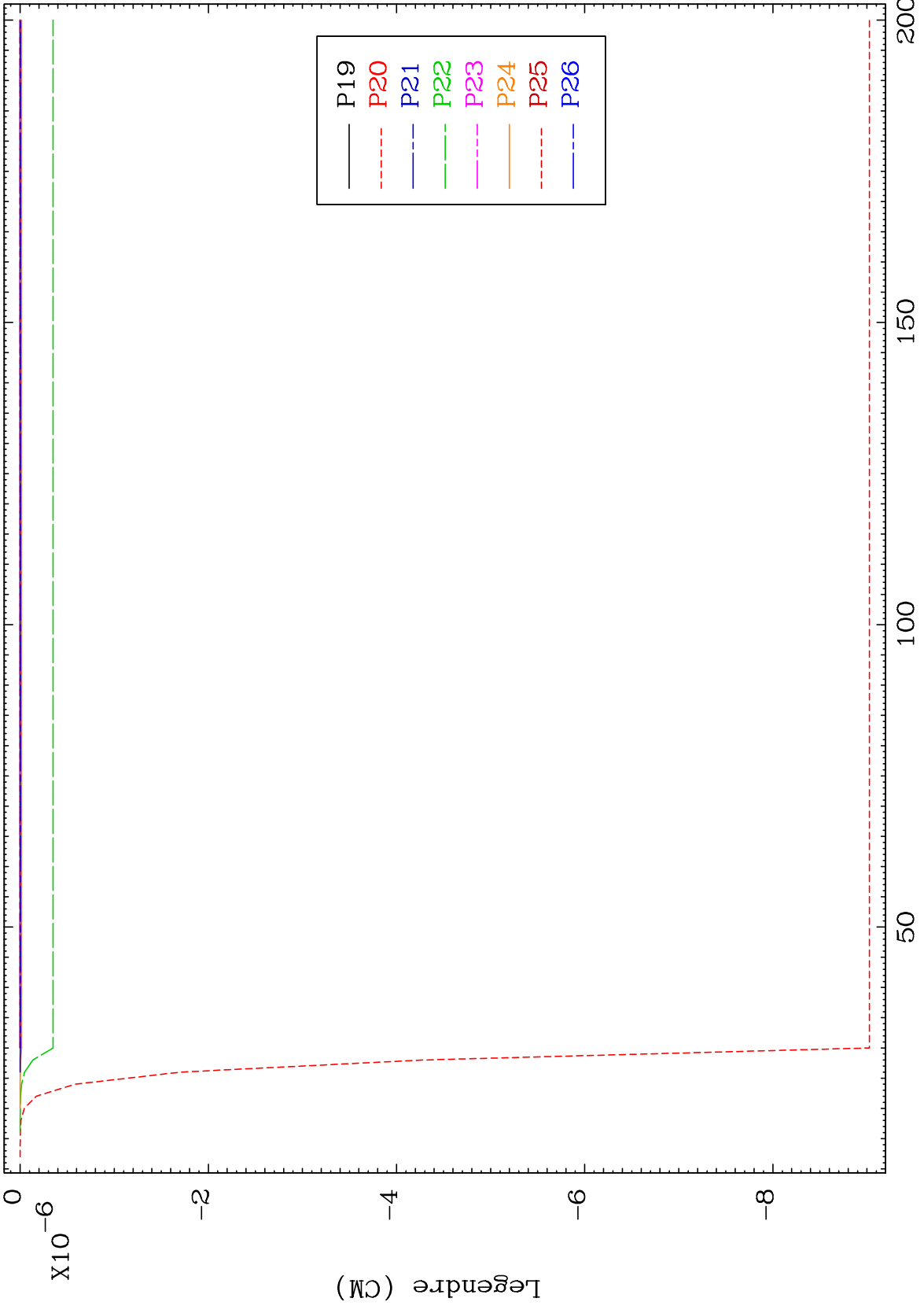


41

Incident Energy (MeV)

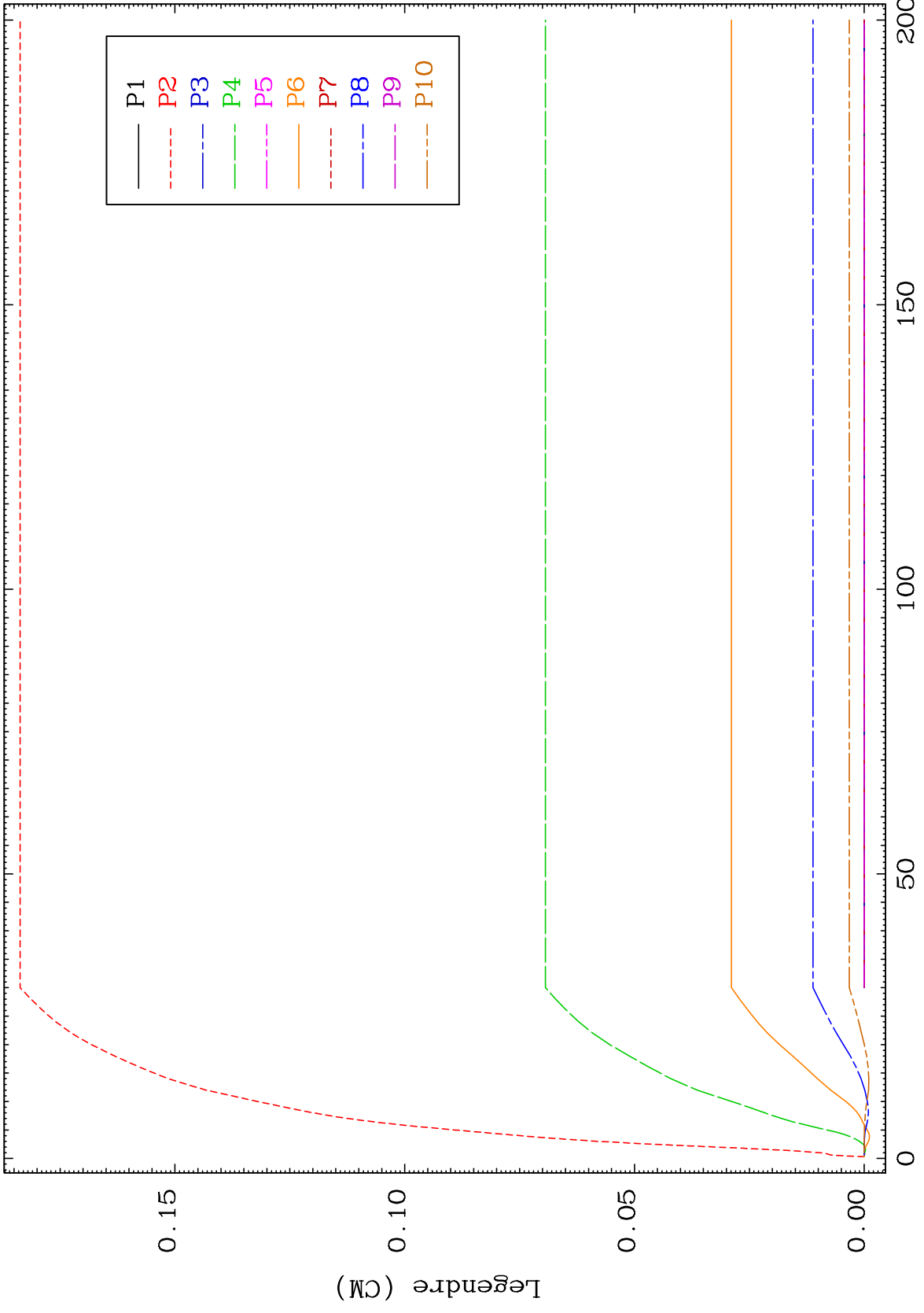
69-Tm-167

MAT 6919 MT= 58 (n,n') Level Legendre Coefficients 69-Tm-167



42 Incident Energy (MeV) 69-Tm-167

MAT 6919 MT= 59 (n,n') Level Legendre Coefficients 69-Tm-167

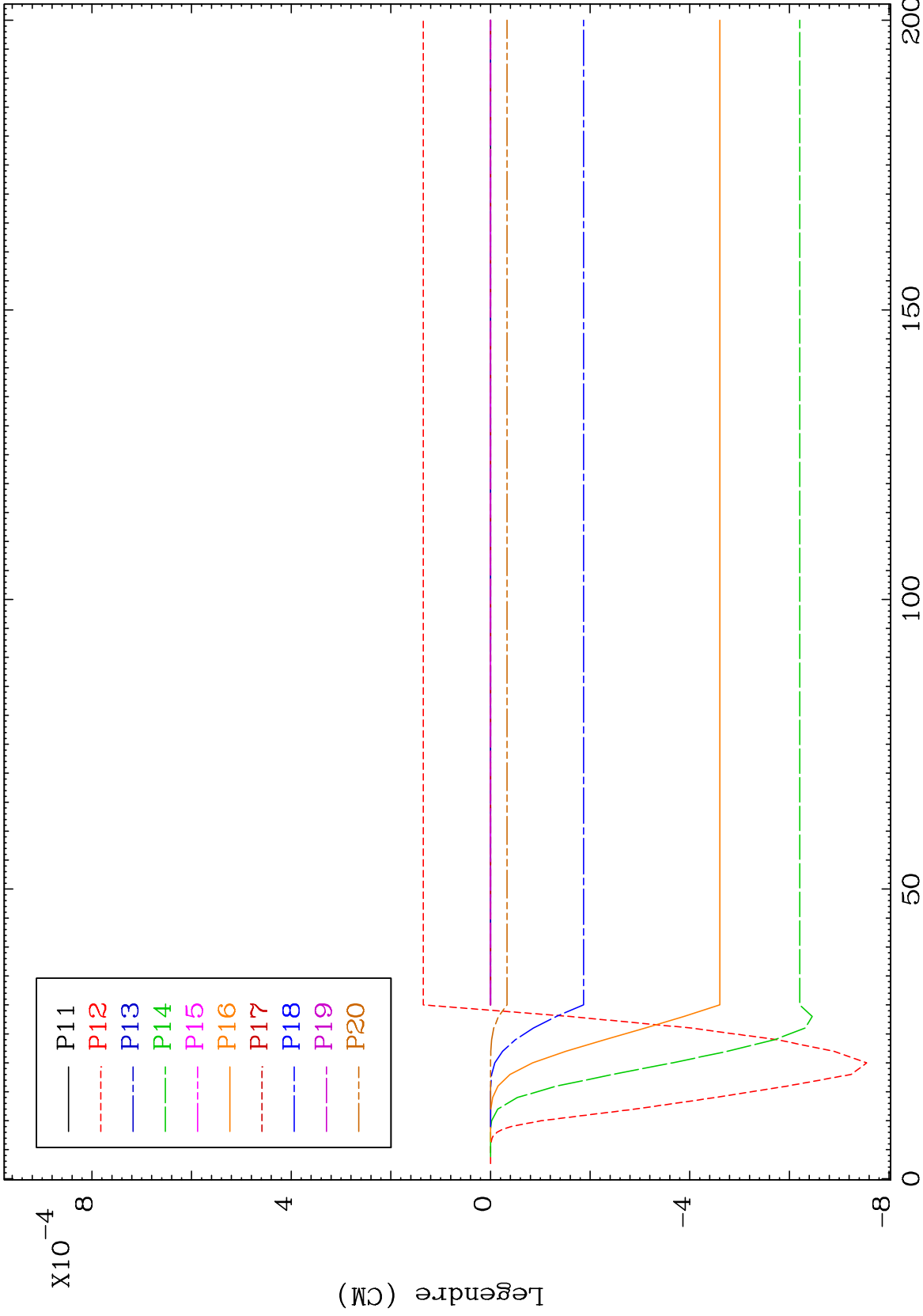


43 69-Tm-167

MAT 6919

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

69-Tm-167

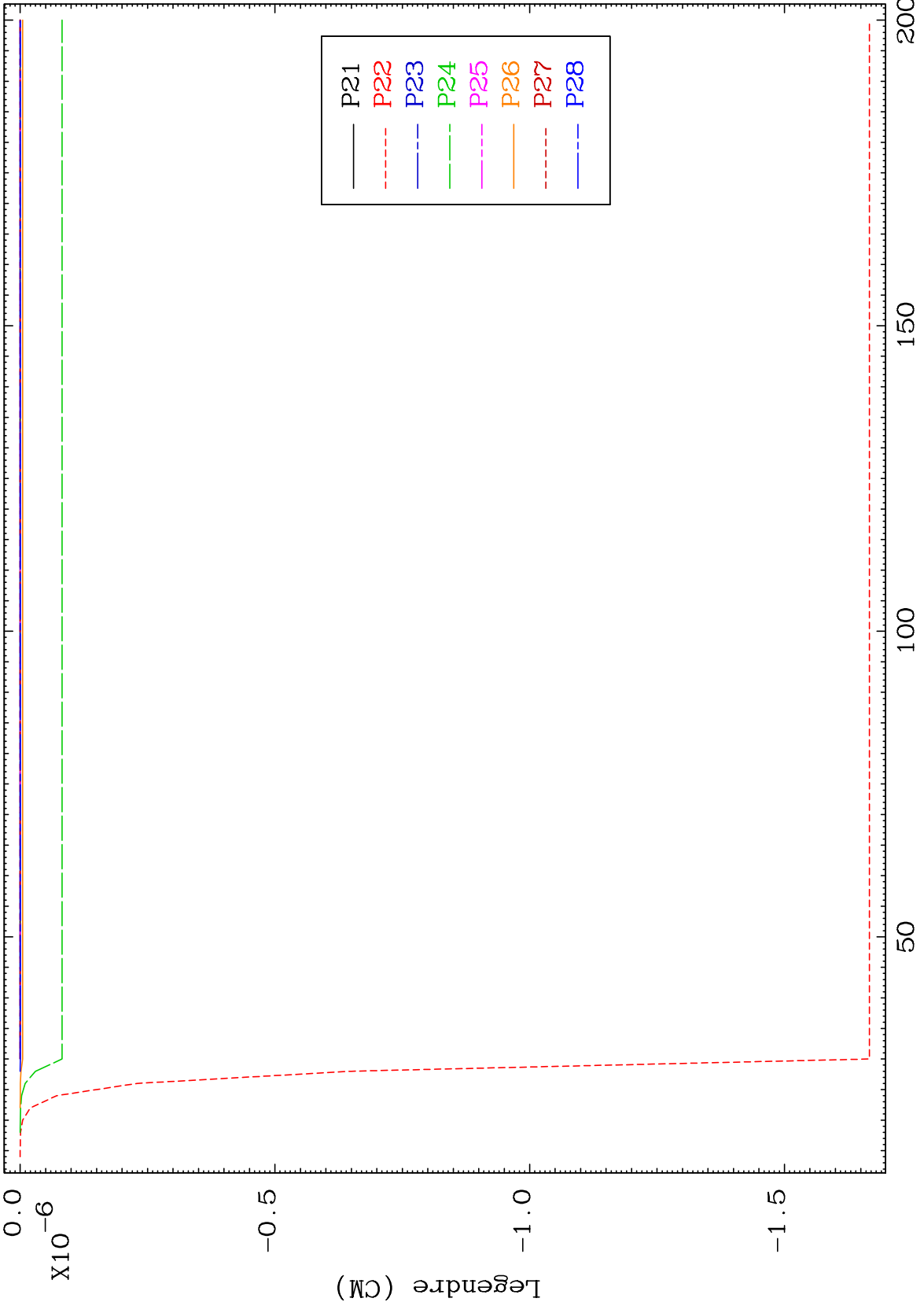


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Incident Energy (MeV)

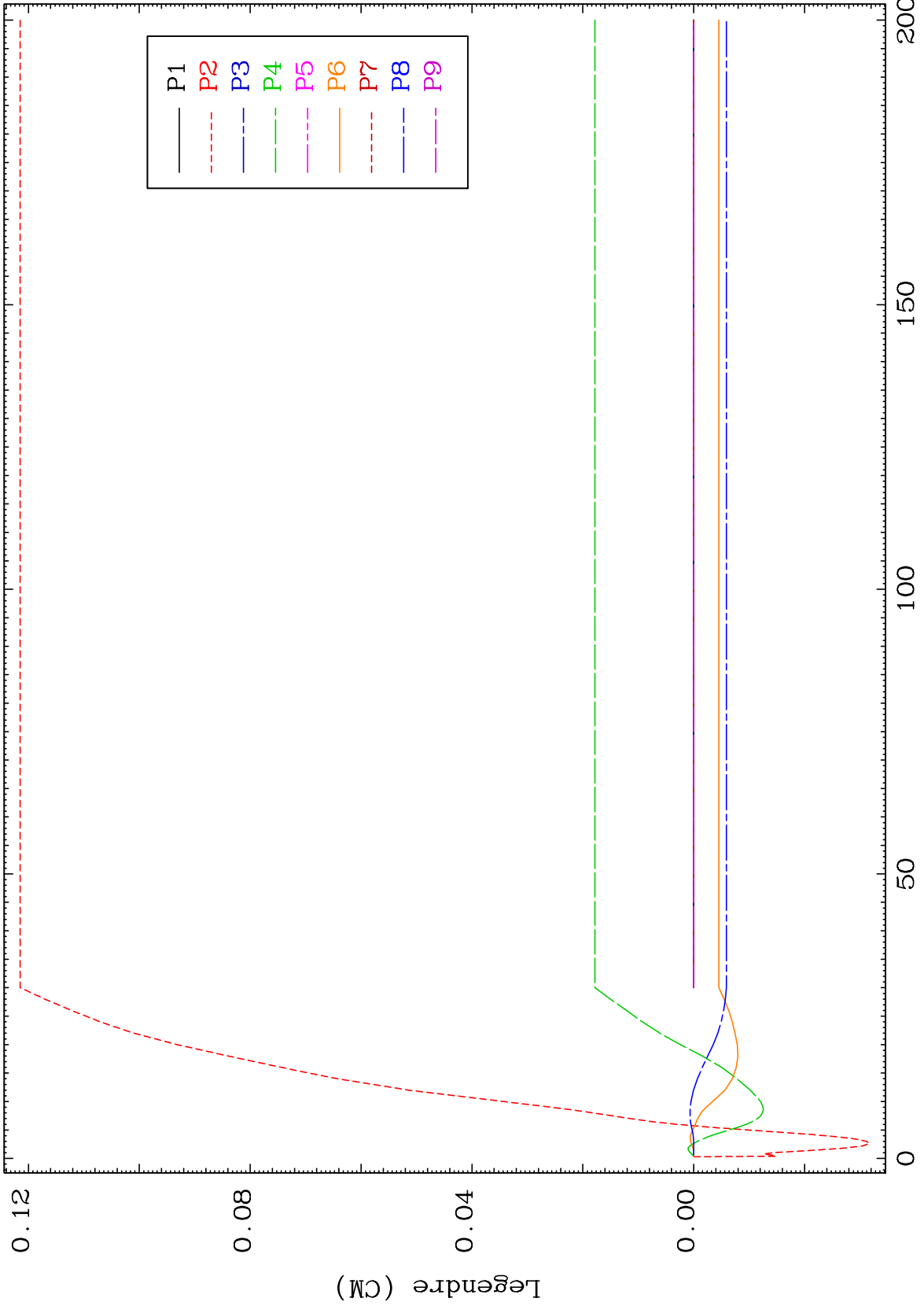
69-Tm-167

MAT 6919 MT= 59 (n,n') Level Legendre Coefficients 69-Tm-167



45 Incident Energy (MeV) 69-Tm-167

MAT 6919 MT= 60 (n,n') Level Legendre Coefficients 69-Tm-167

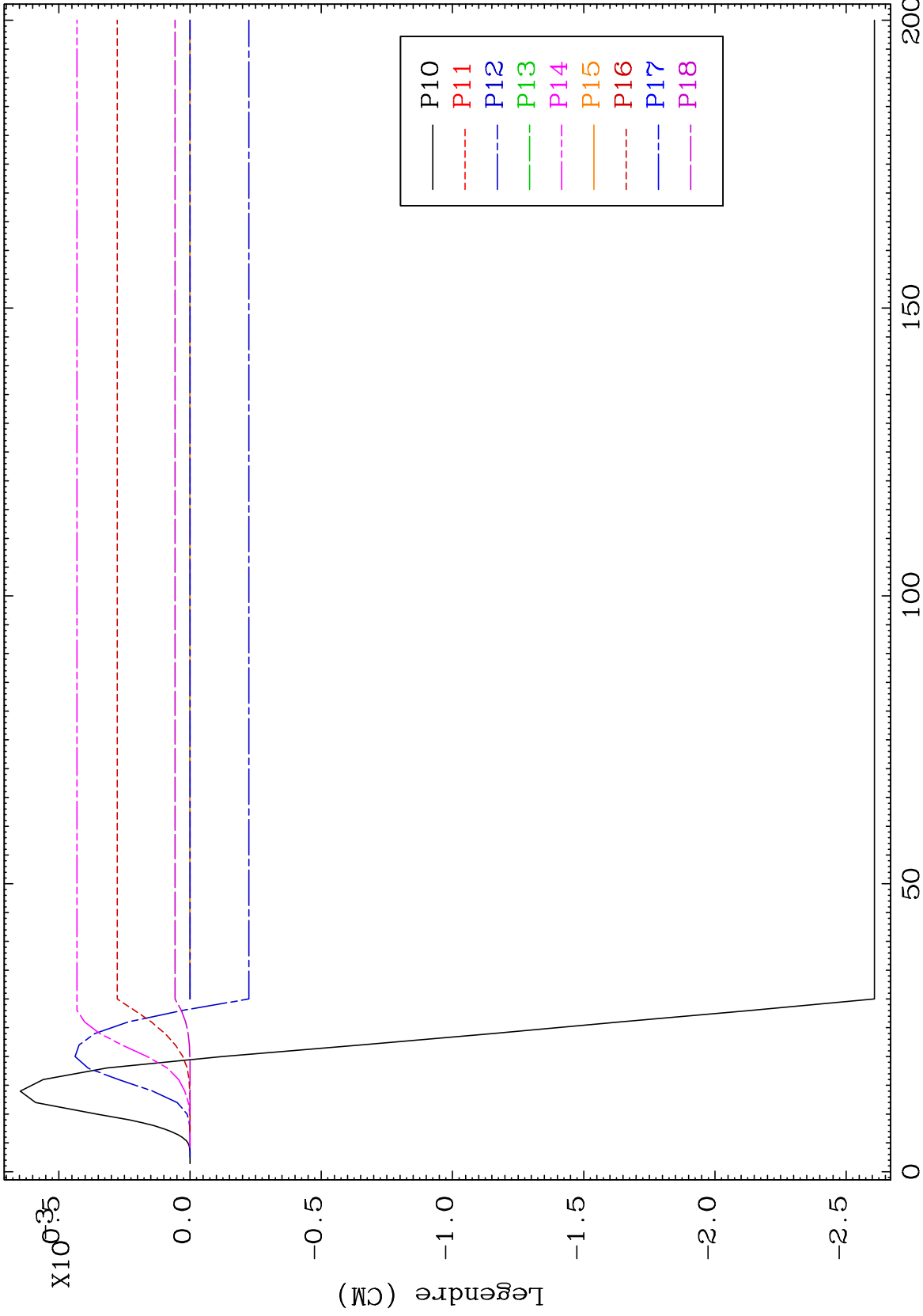


46 69-Tm-167

MAT 6919

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

69-Tm-167



47

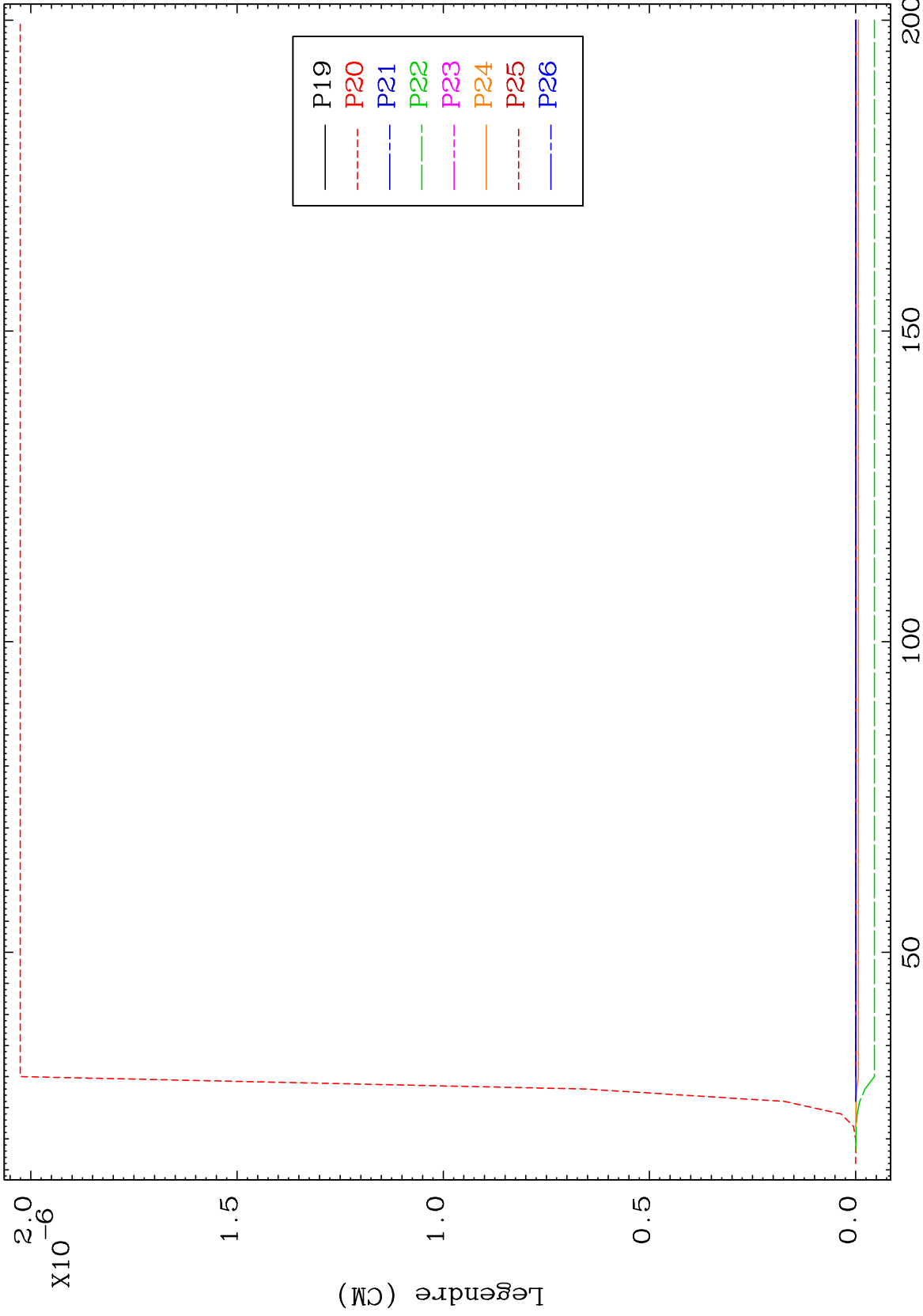
69-Tm-167



MAT 6919

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

69-Tm-167



48

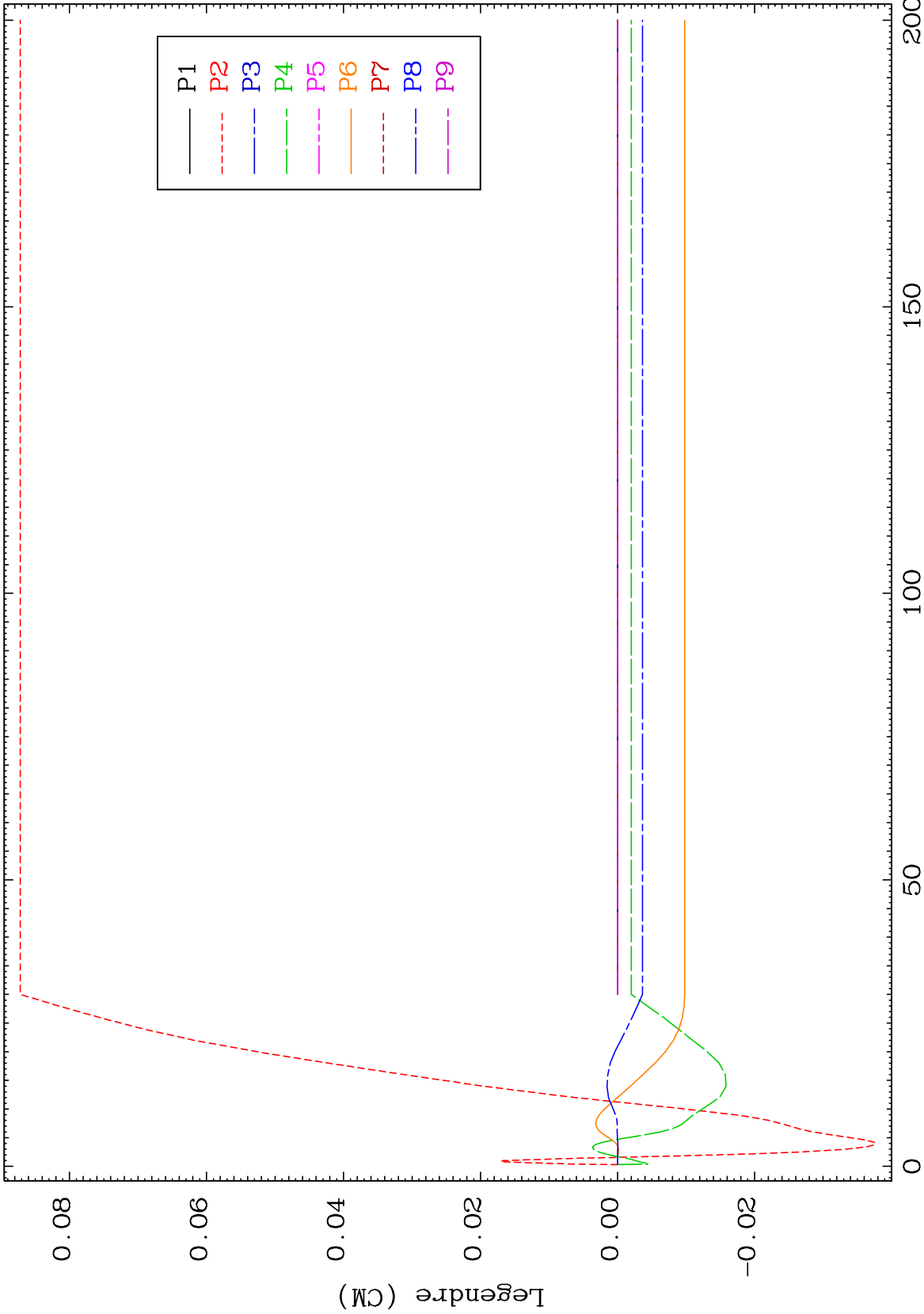
Incident Energy (MeV)

69-Tm-167

MAT 6919

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

69-Tm-167



49

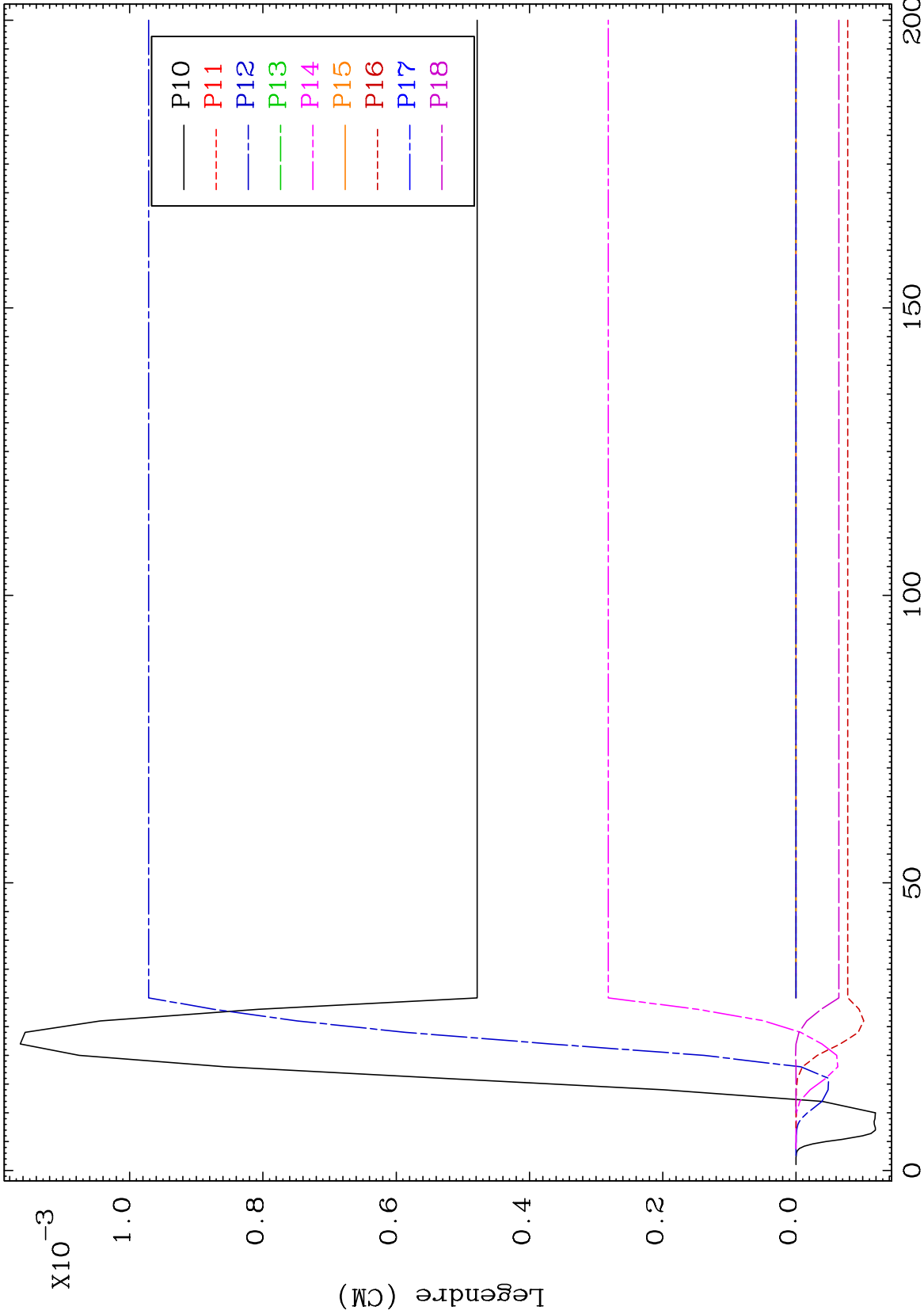
Incident Energy (MeV)

69-Tm-167

MAT 6919

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

69-Tm-167



50

Incident Energy (MeV)

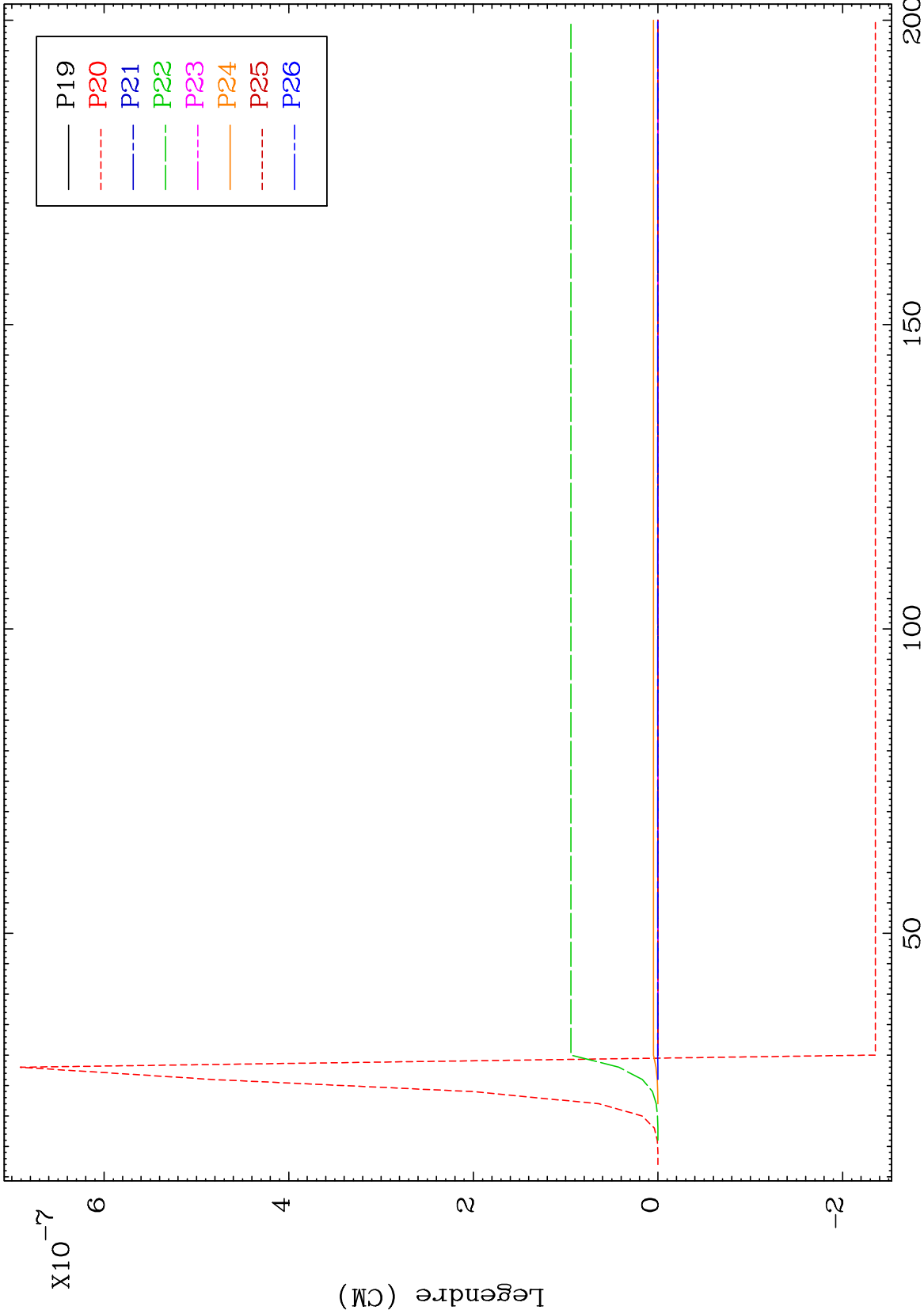
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69-Tm-167

MAT 6919

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

69-Tm-167



51

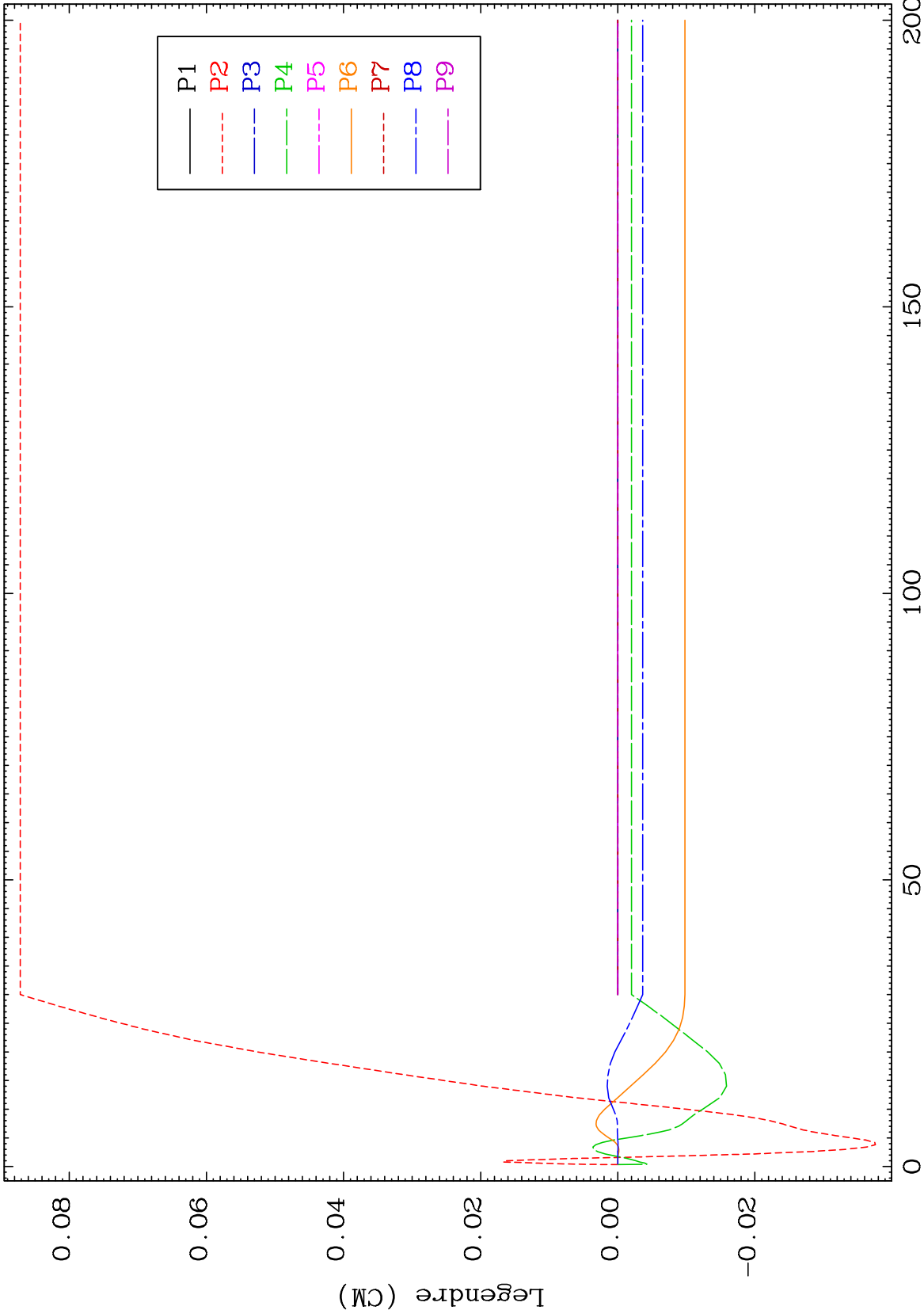
Incident Energy (MeV)

69-Tm-167

MAT 6919

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

69-Tm-167



52

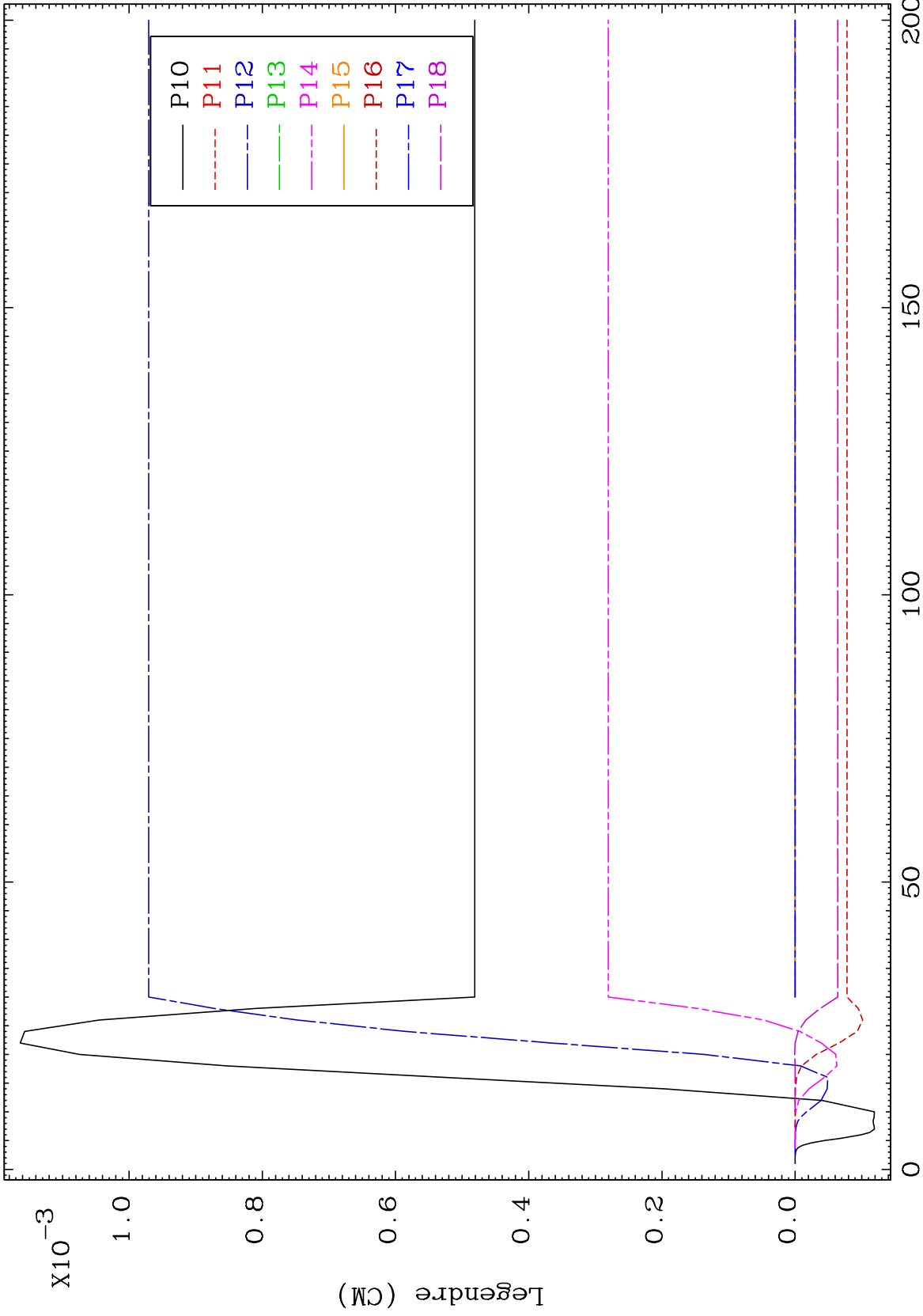
Incident Energy (MeV)

69-Tm-167

MAT 6919

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

69-Tm-167



53

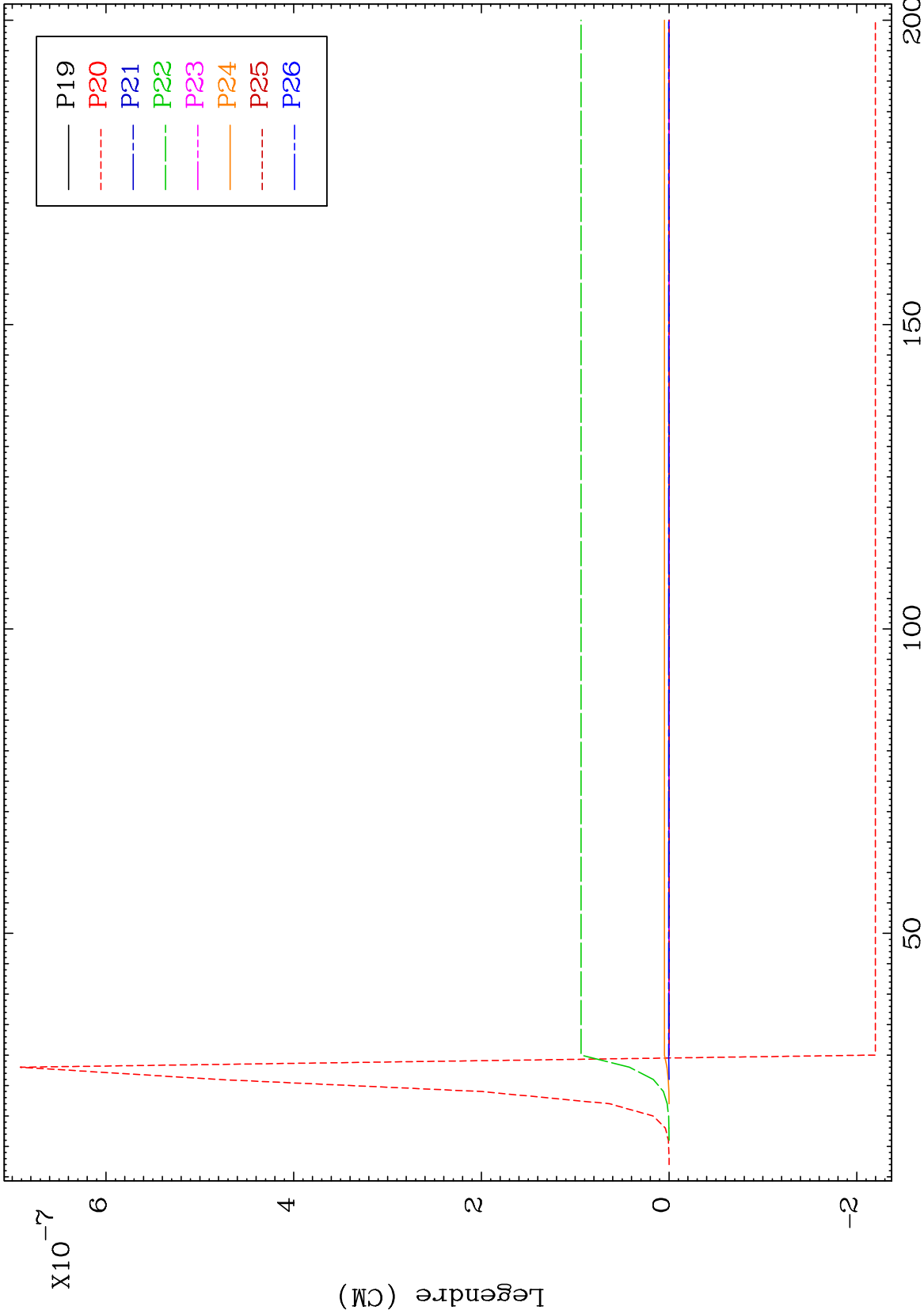
Incident Energy (MeV)

69-Tm-167

MAT 6919

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

69-Tm-167



54

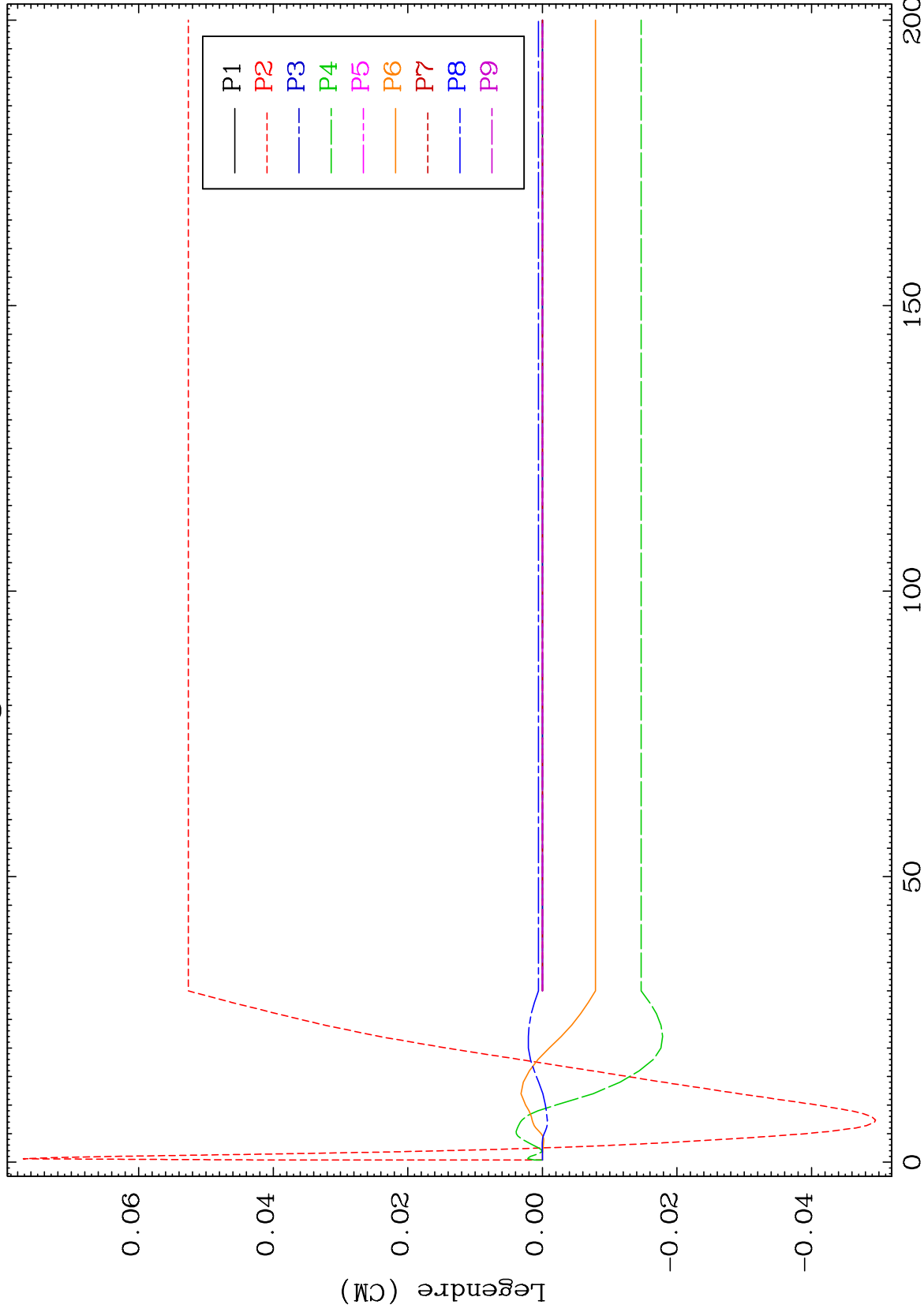
Incident Energy (MeV)

69-Tm-167

MAT 6919

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

69-Tm-167



55

Incident Energy (MeV)

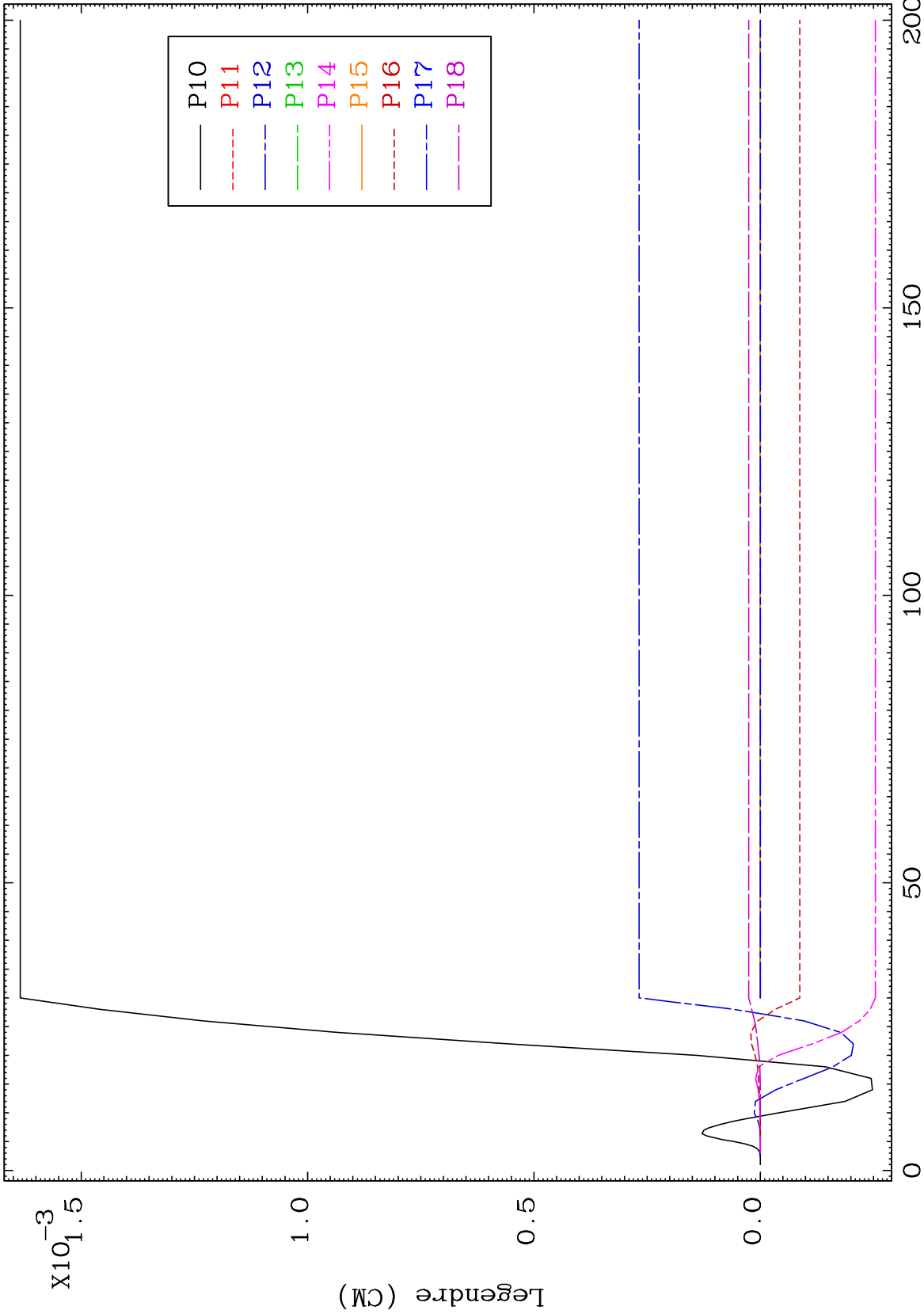
69-Tm-167



MAT 6919

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

69-Tm-167



56

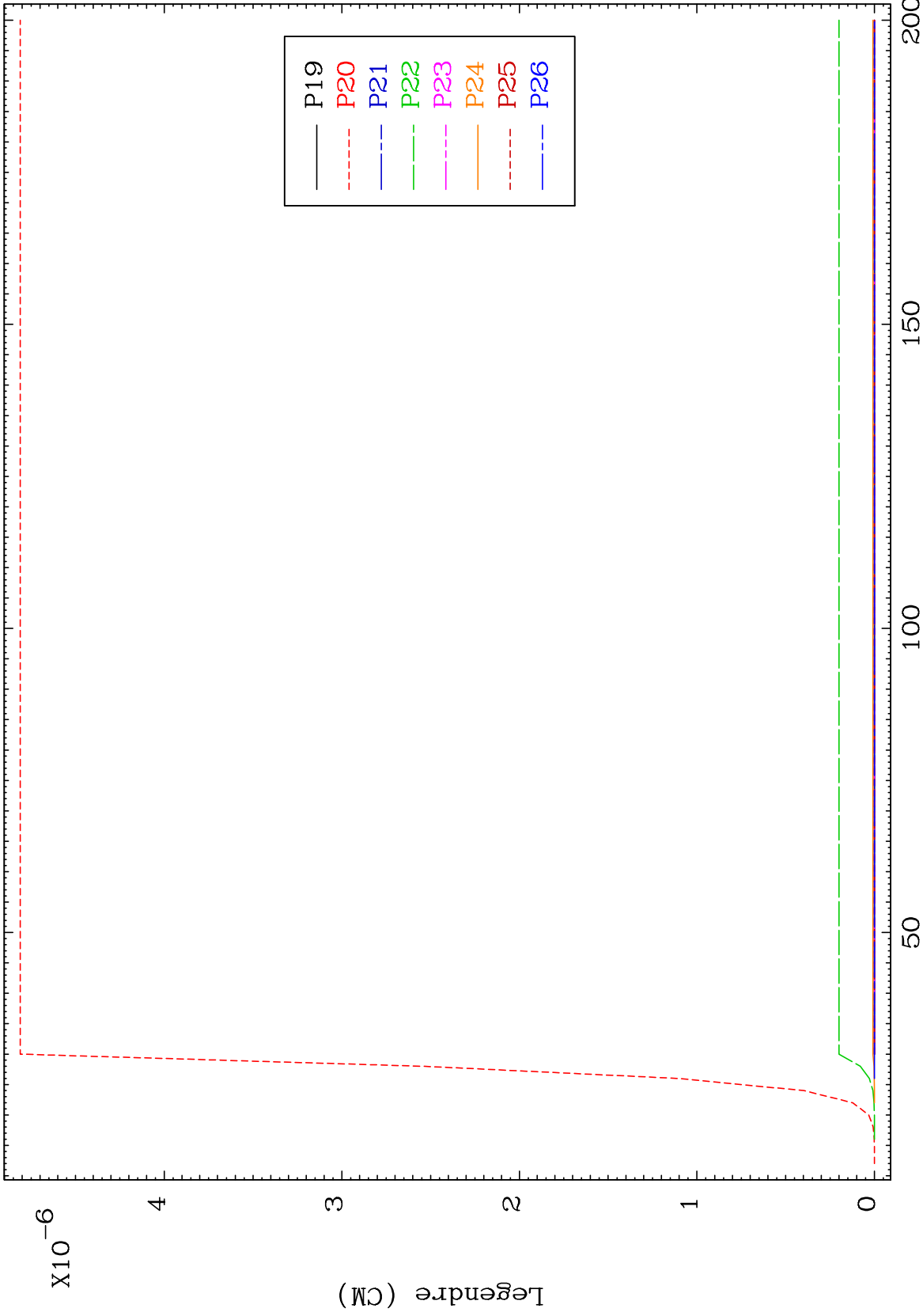
Incident Energy (MeV)

69-Tm-167

MAT 6919

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

69-Tm-167



57

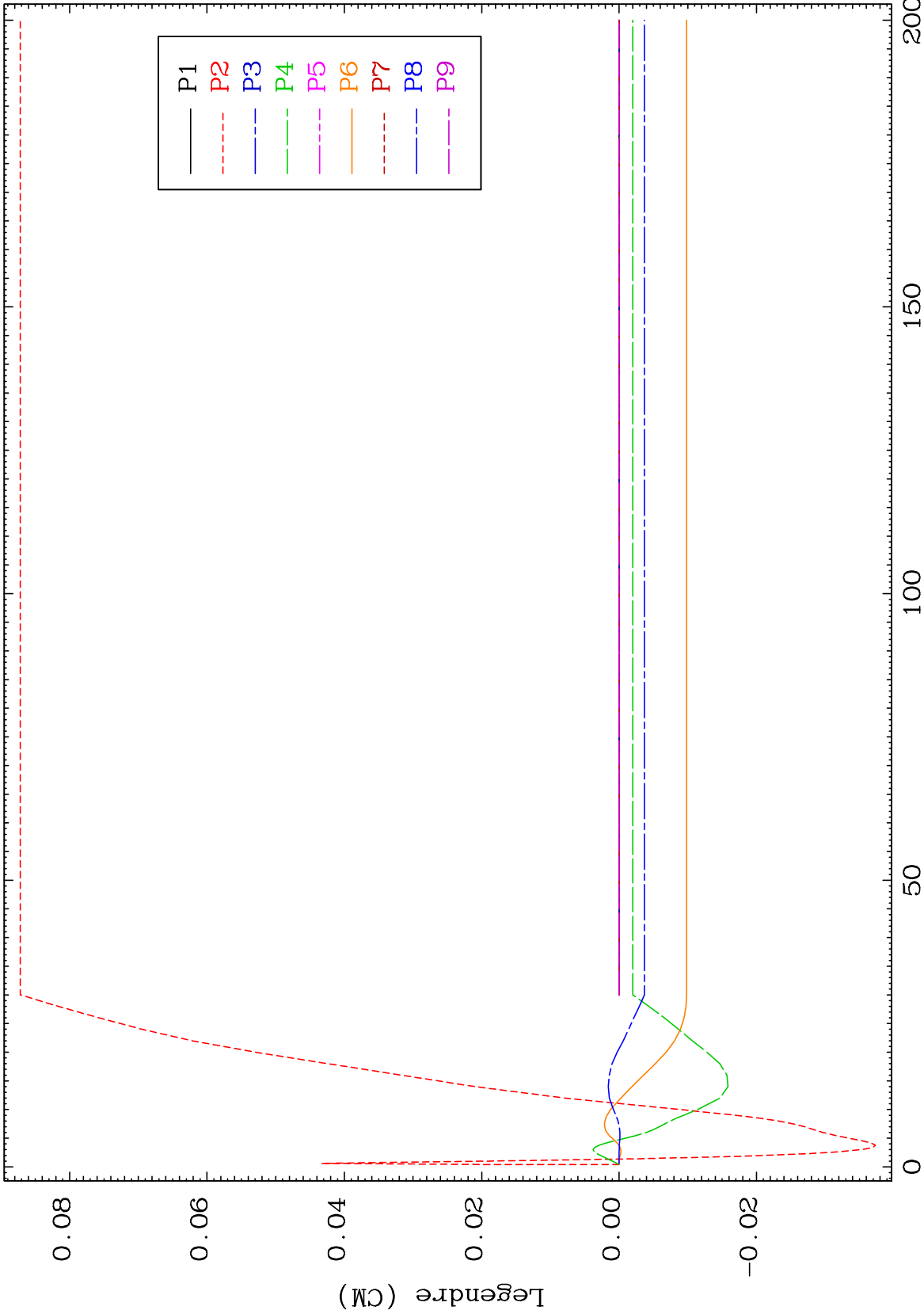
Incident Energy (MeV)

69-Tm-167

MAT 6919

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

69-Tm-167



58

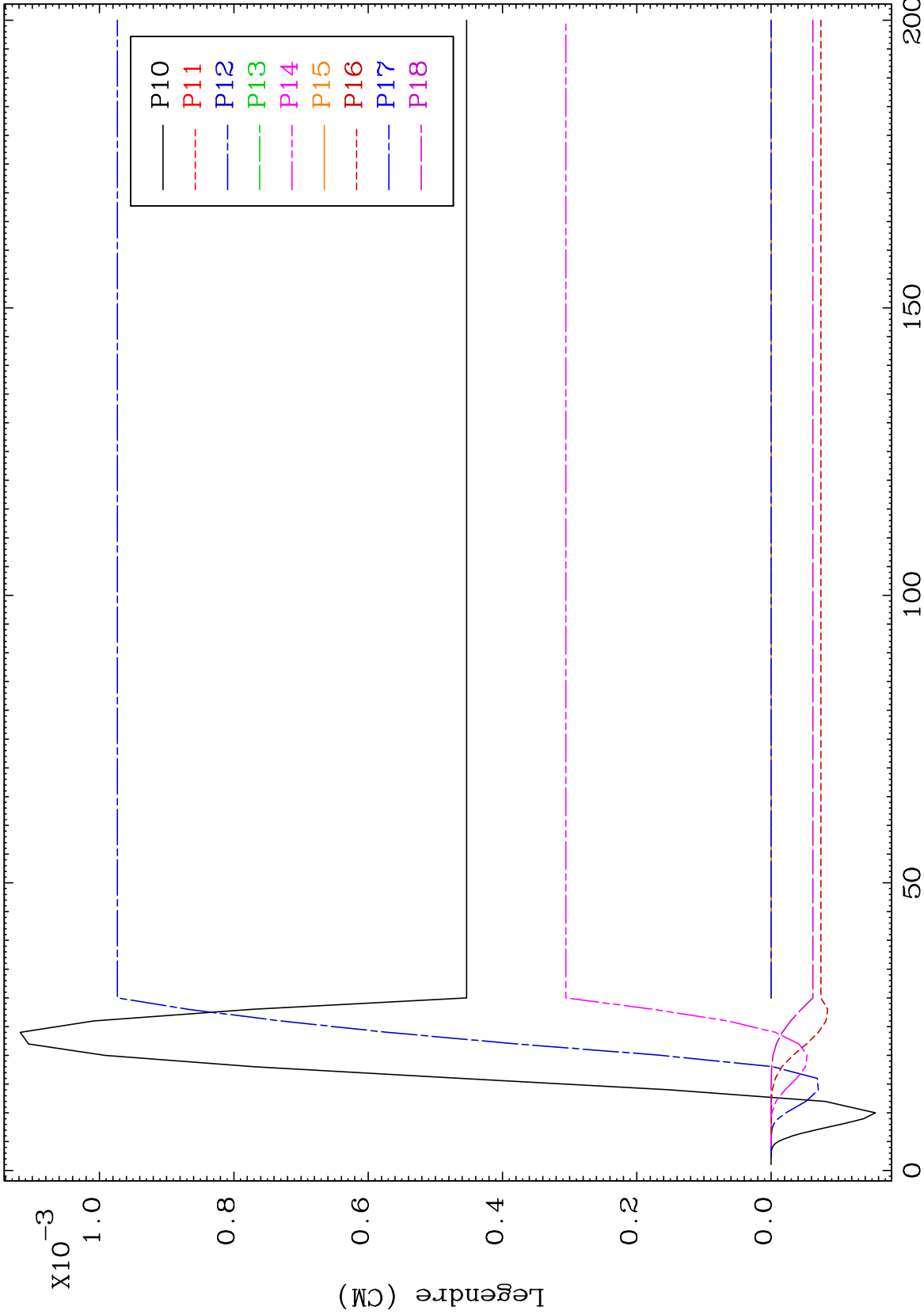
Incident Energy (MeV)

69-Tm-167

MAT 6919

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

69-Tm-167



59

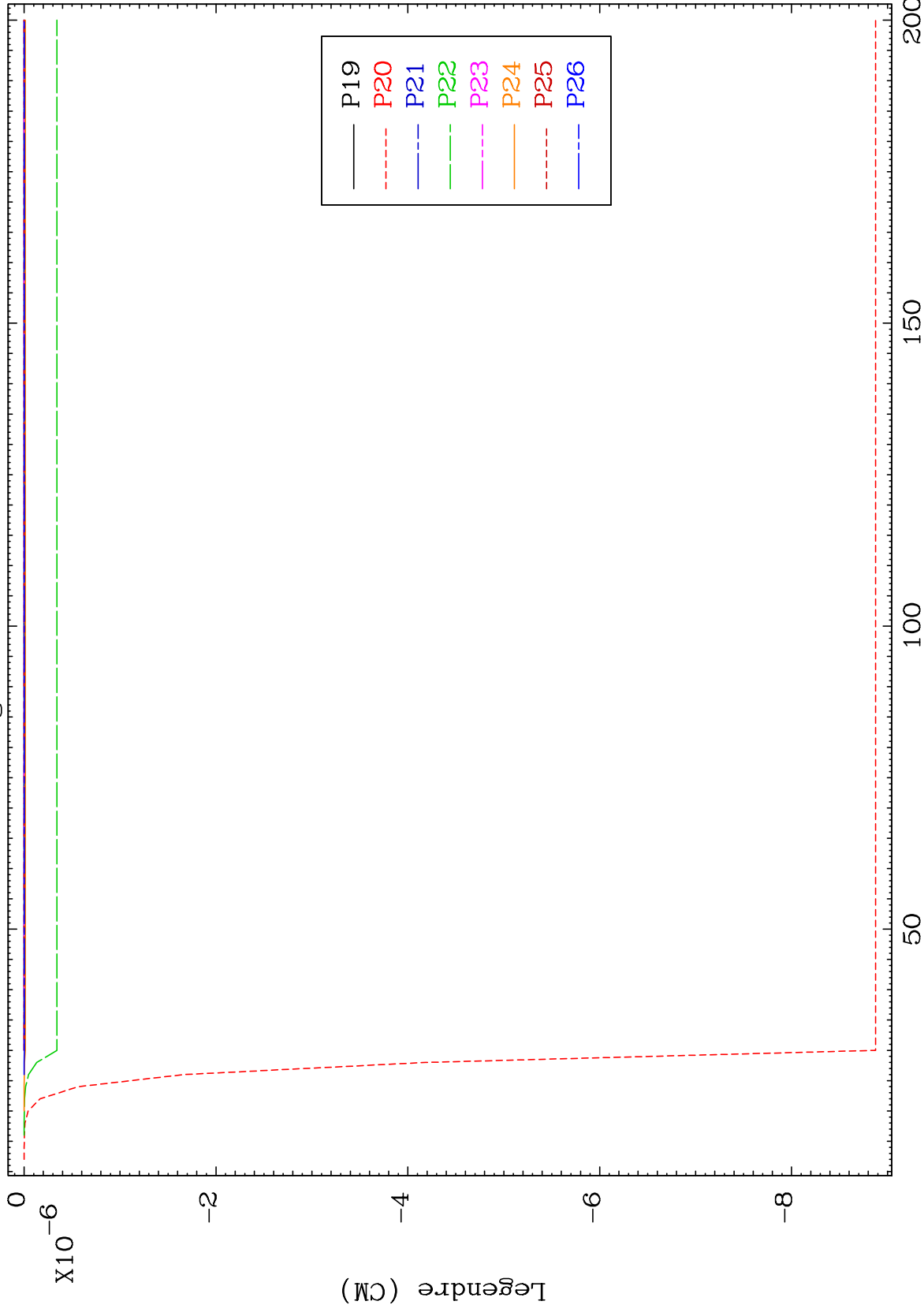
Incident Energy (MeV)

69-Tm-167

MAT 6919

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

69-Tm-167



69-Tm-167

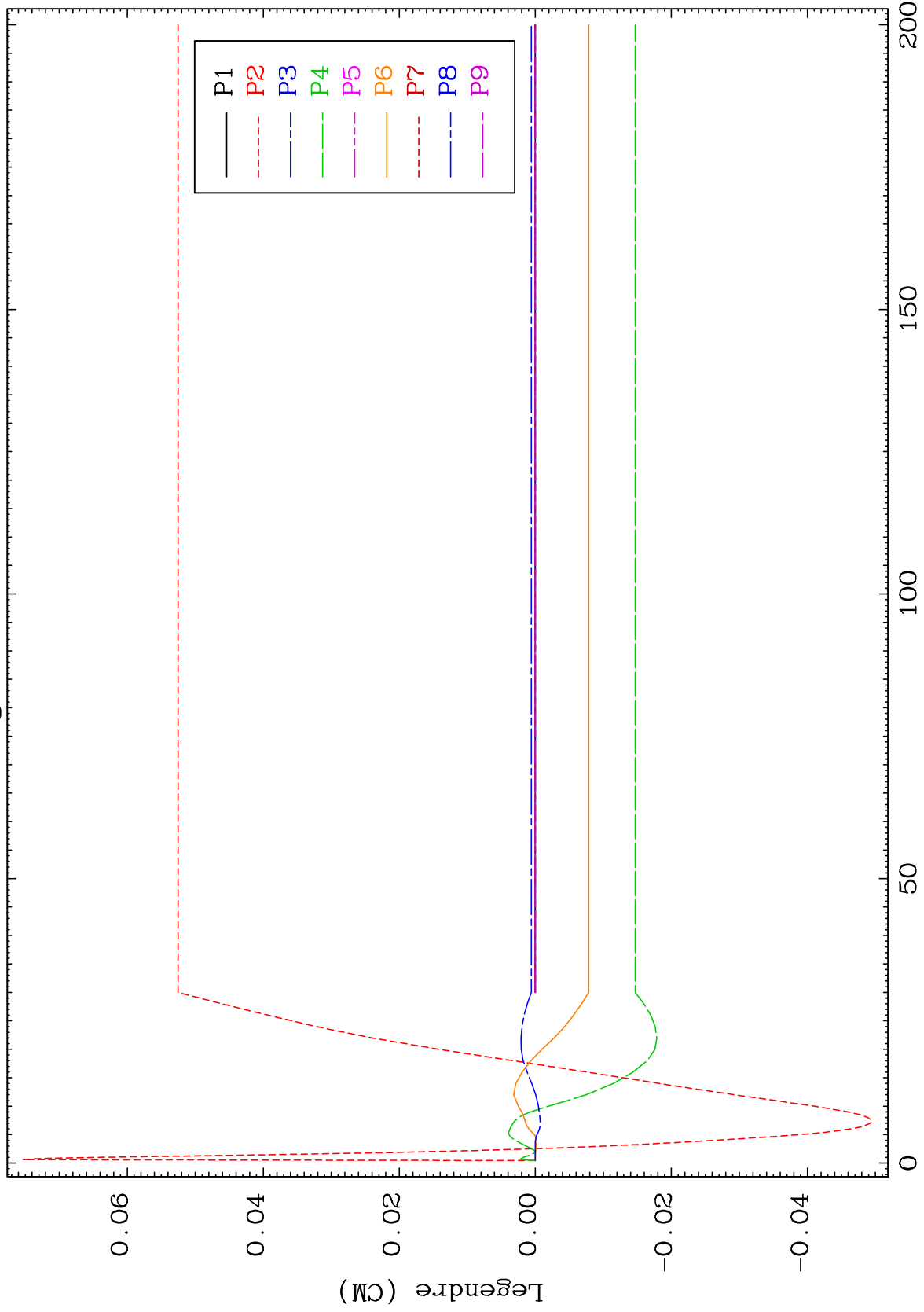
Incident Energy (MeV)

60

MAT 6919

MT= 65 (n,n') Level  
Legendre Coefficients

69-Tm-167



61

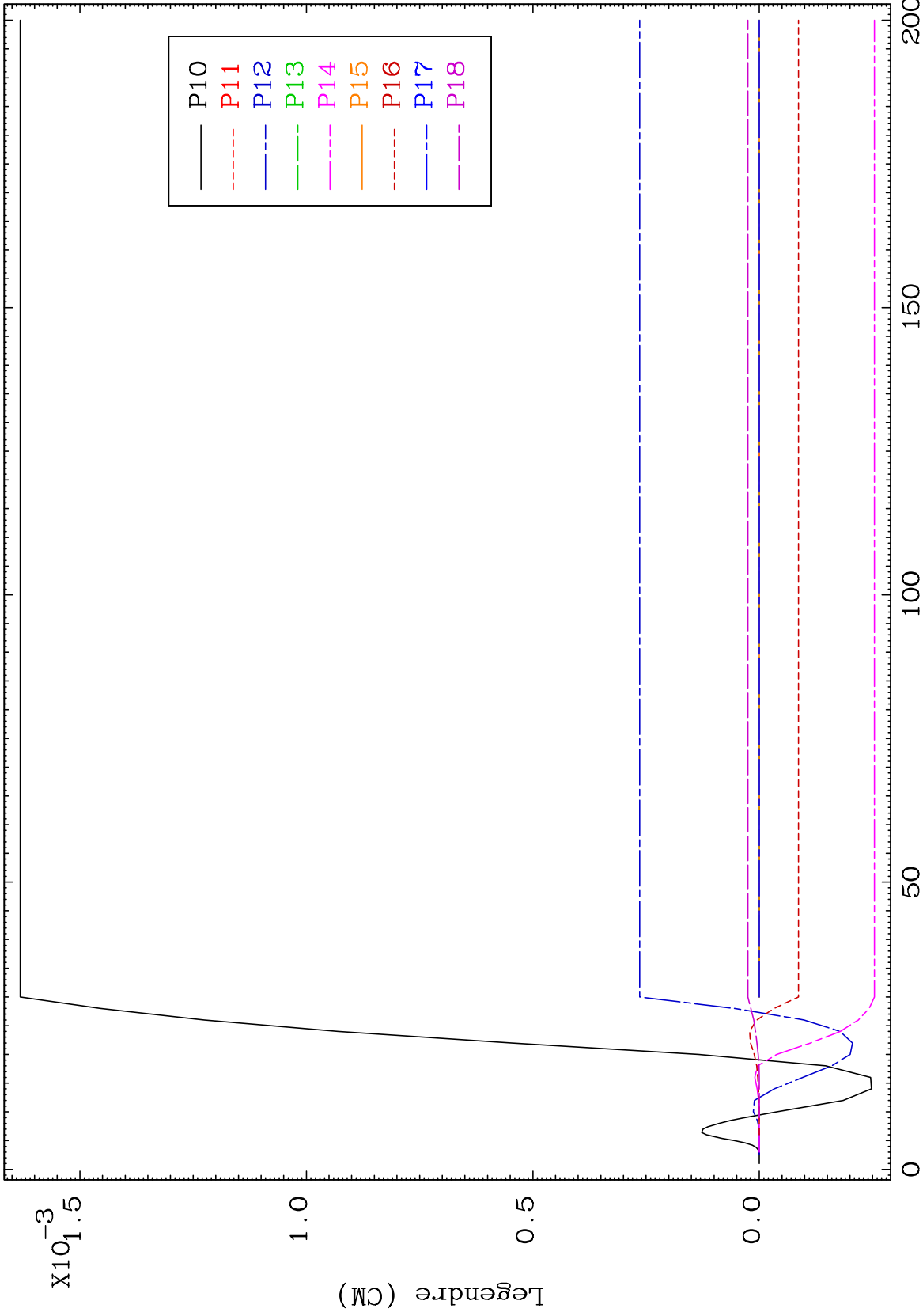
Incident Energy (MeV)

69-Tm-167

MAT 6919

MT= 65 (n,n') Level  
Legendre Coefficients

69-Tm-167

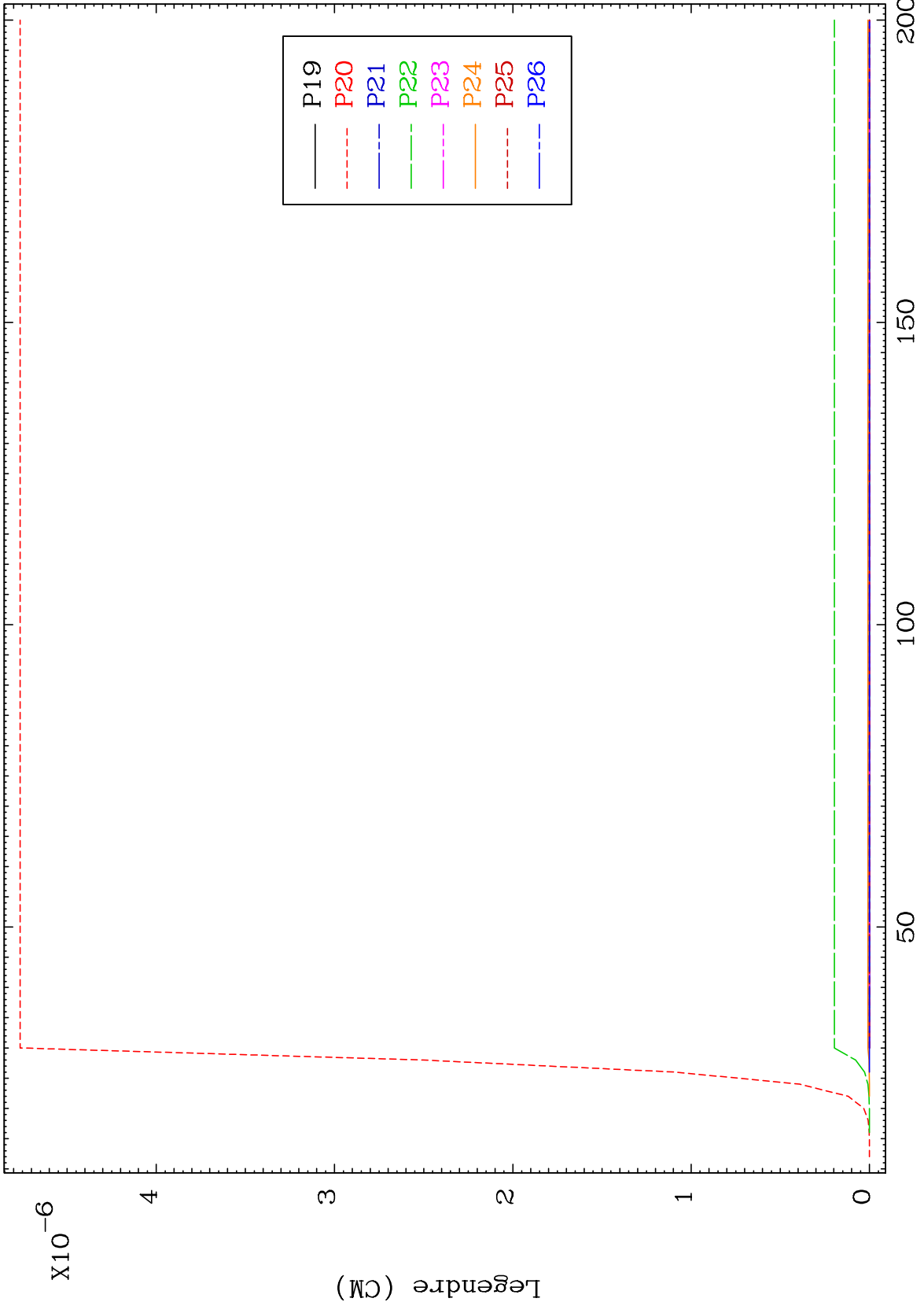


62

Incident Energy (MeV)

69-Tm-167

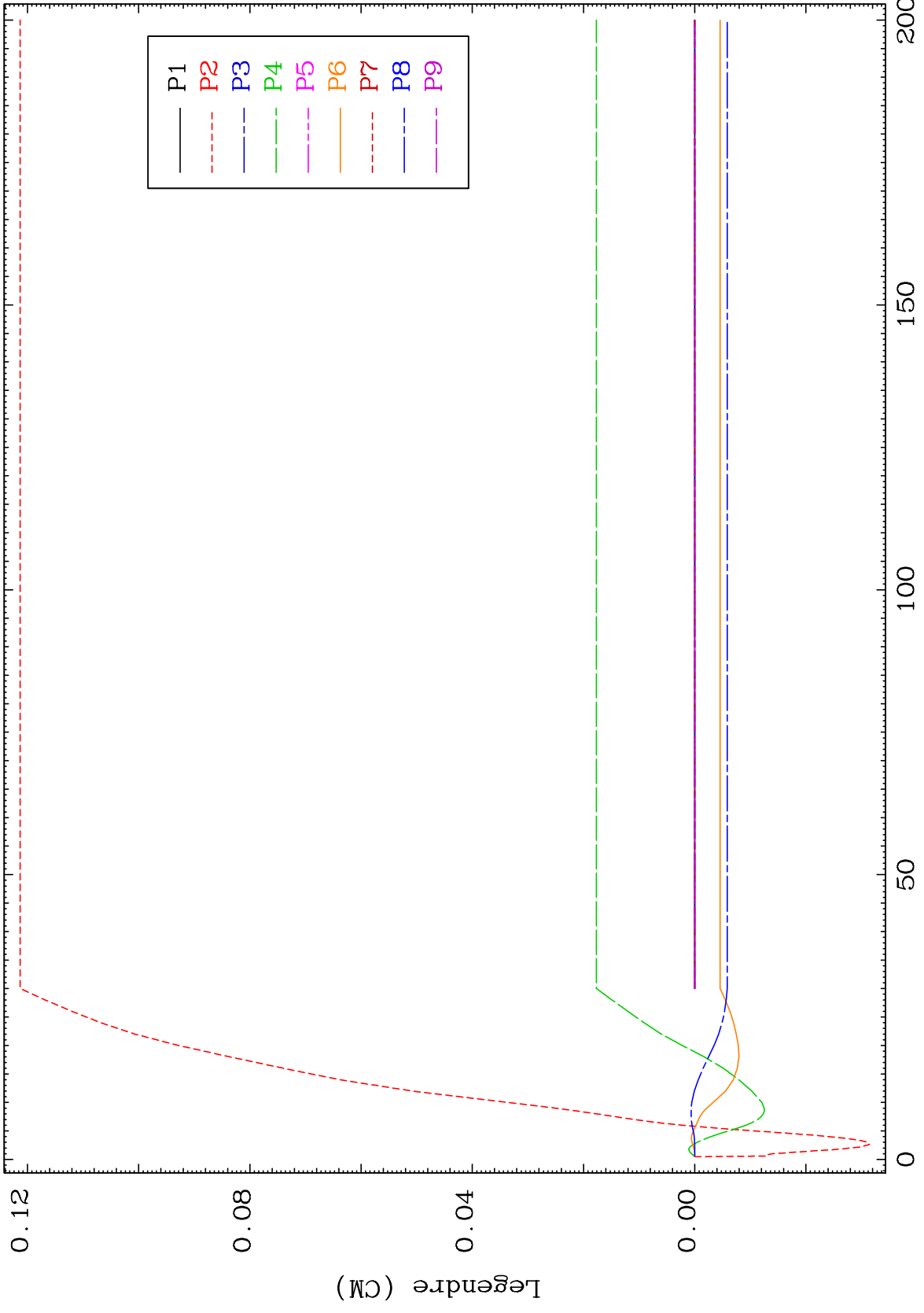
MAT 6919 MT= 65 (n,n') Level Legendre Coefficients 69-Tm-167



63 Incident Energy (MeV) 69-Tm-167



MAT 6919 MT= 66 (n,n') Level Legendre Coefficients 69-Tm-167

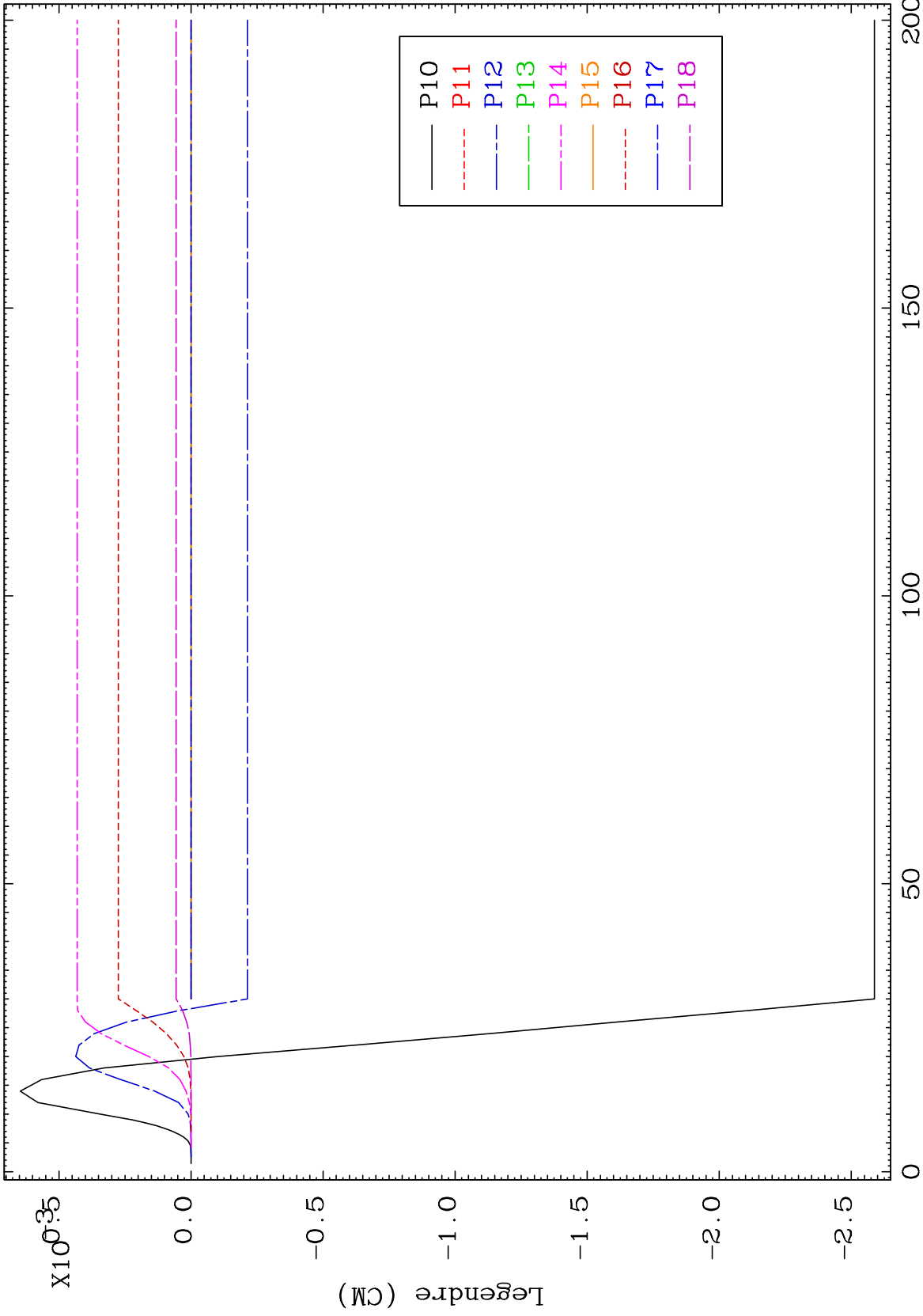


64 69-Tm-167

MAT 6919

MT= 66 (n,n') Level  
Legendre Coefficients

69-Tm-167



65

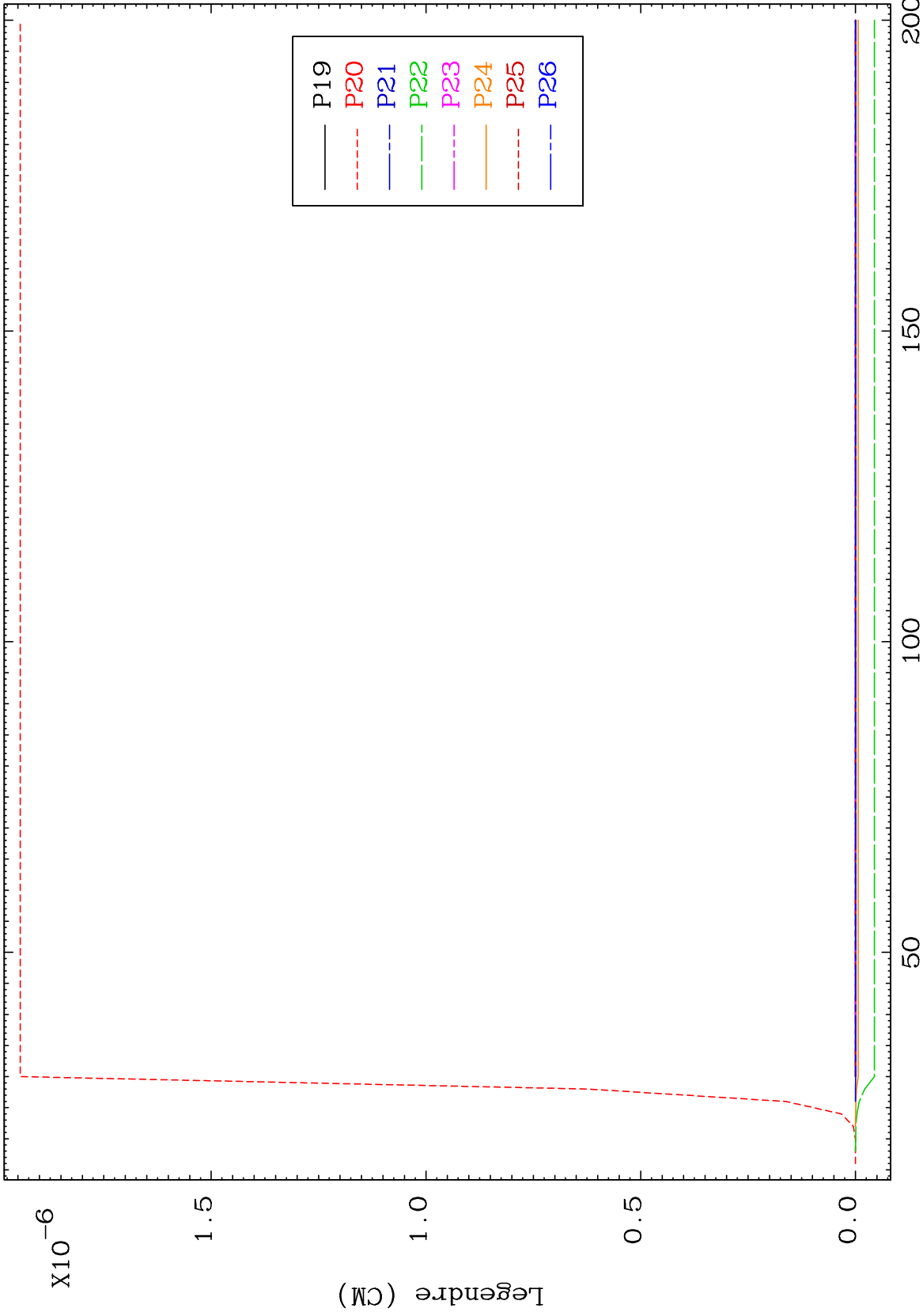
Incident Energy (MeV)

69-Tm-167

MAT 6919

MT= 66 (n,n') Level  
Legendre Coefficients

69-Tm-167



66

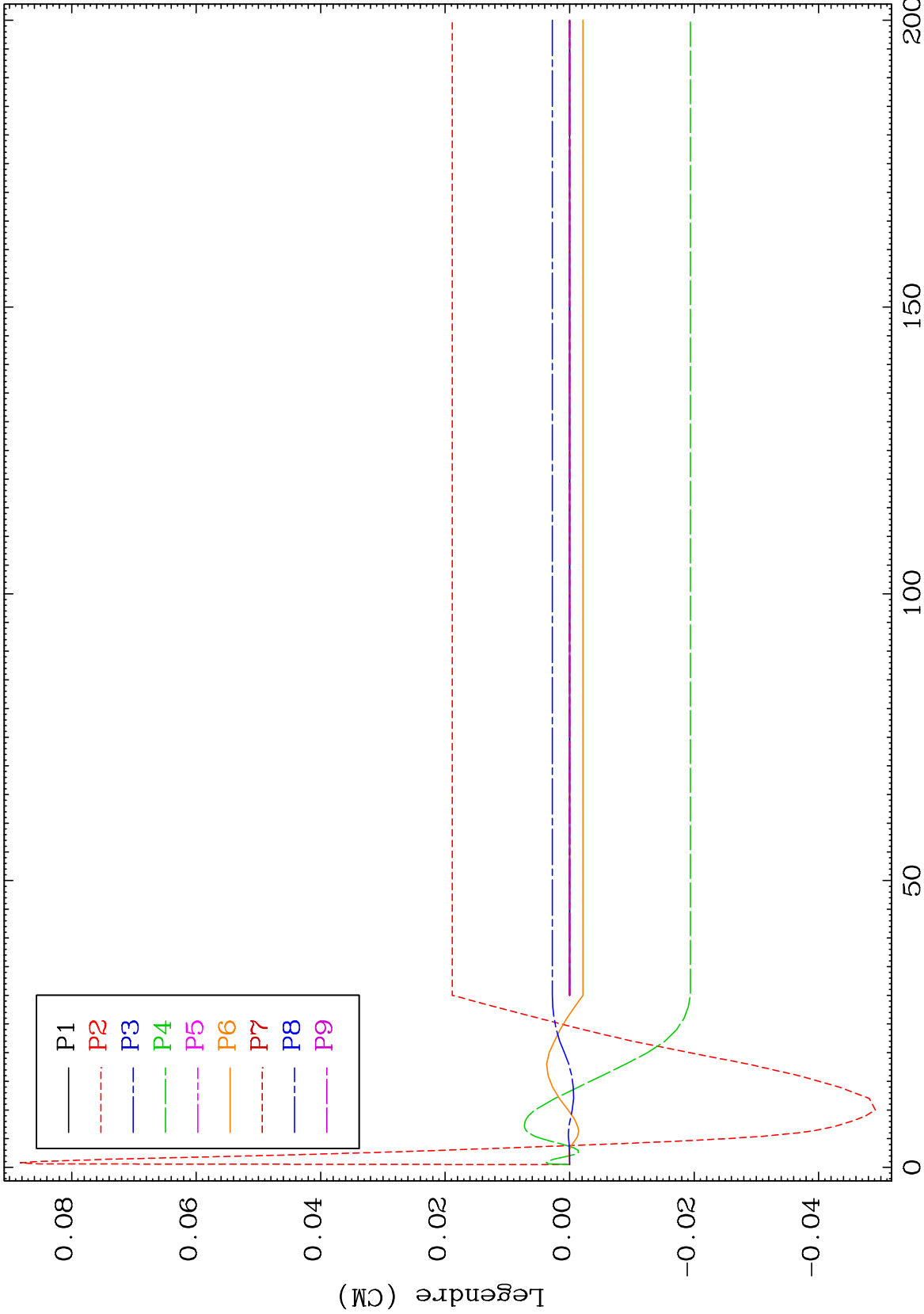
Incident Energy (MeV)

69-Tm-167

MAT 6919

MT= 67 (n,n') Level  
Legendre Coefficients

69-Tm-167



67

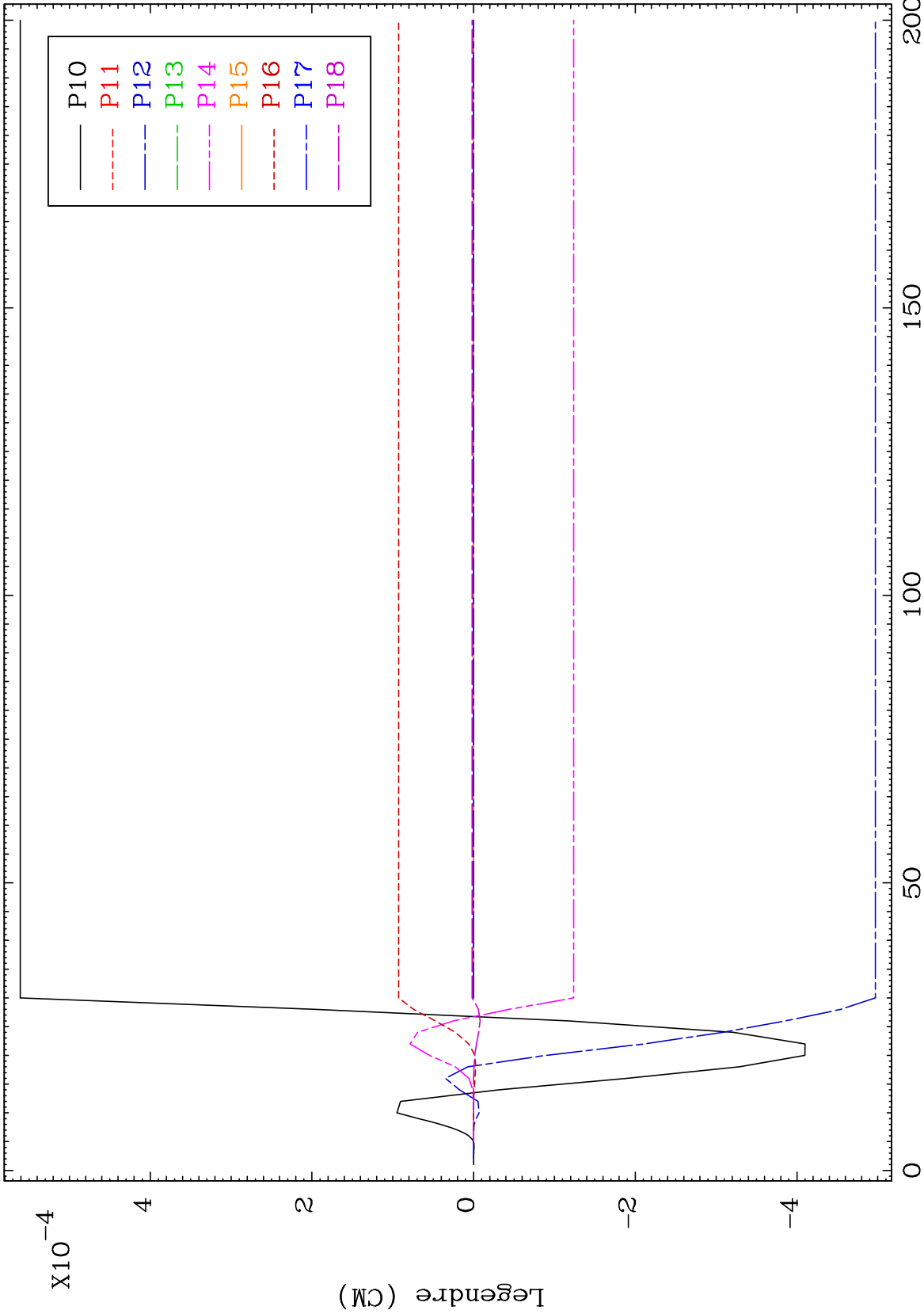
Incident Energy (MeV)

69-Tm-167

MAT 6919

MT= 67 (n,n') Level  
Legendre Coefficients

69-Tm-167



68

Incident Energy (MeV)

69-Tm-167

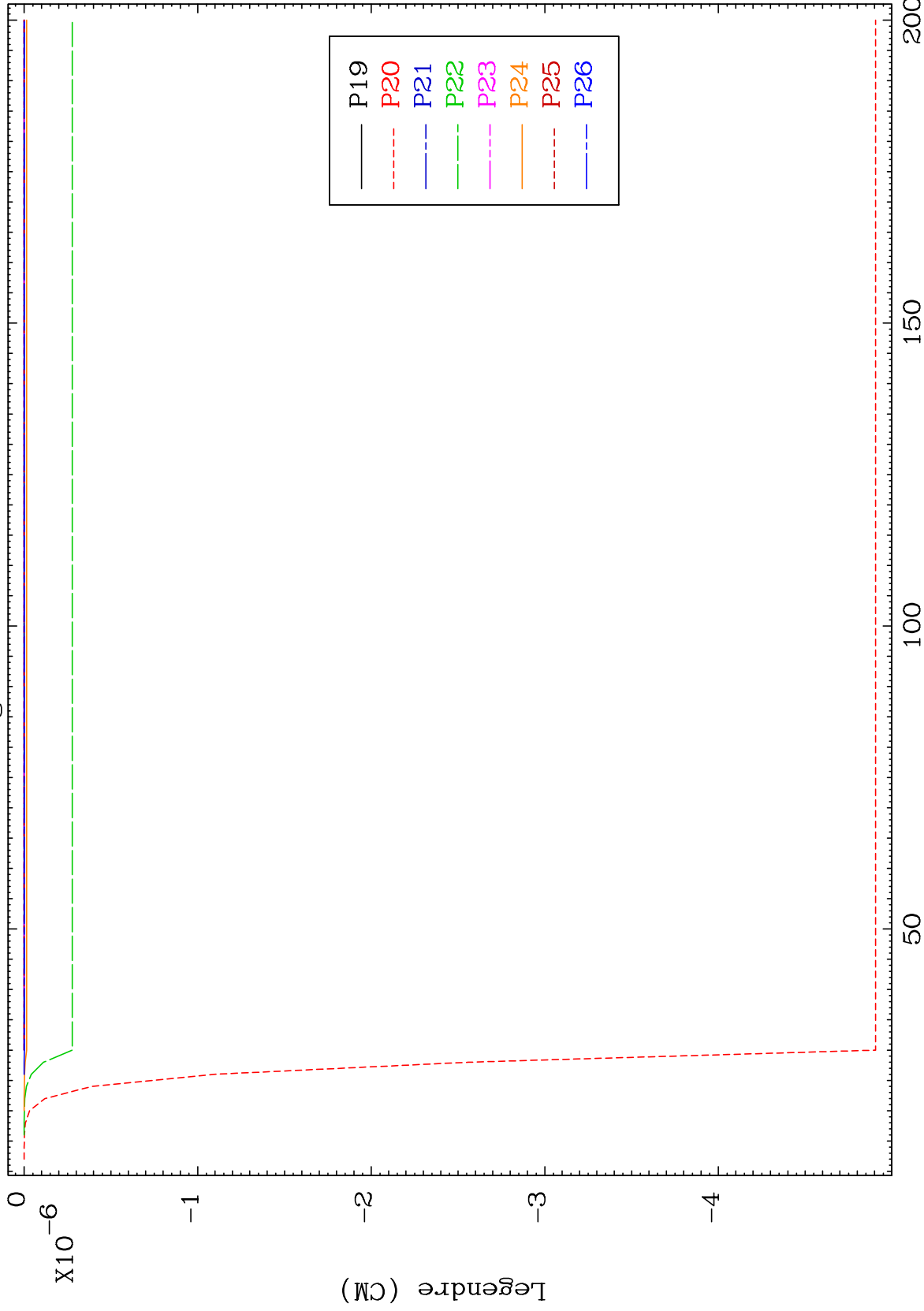
MAT 6919

MT= 67 (n,n') Level  
Legendre Coefficients

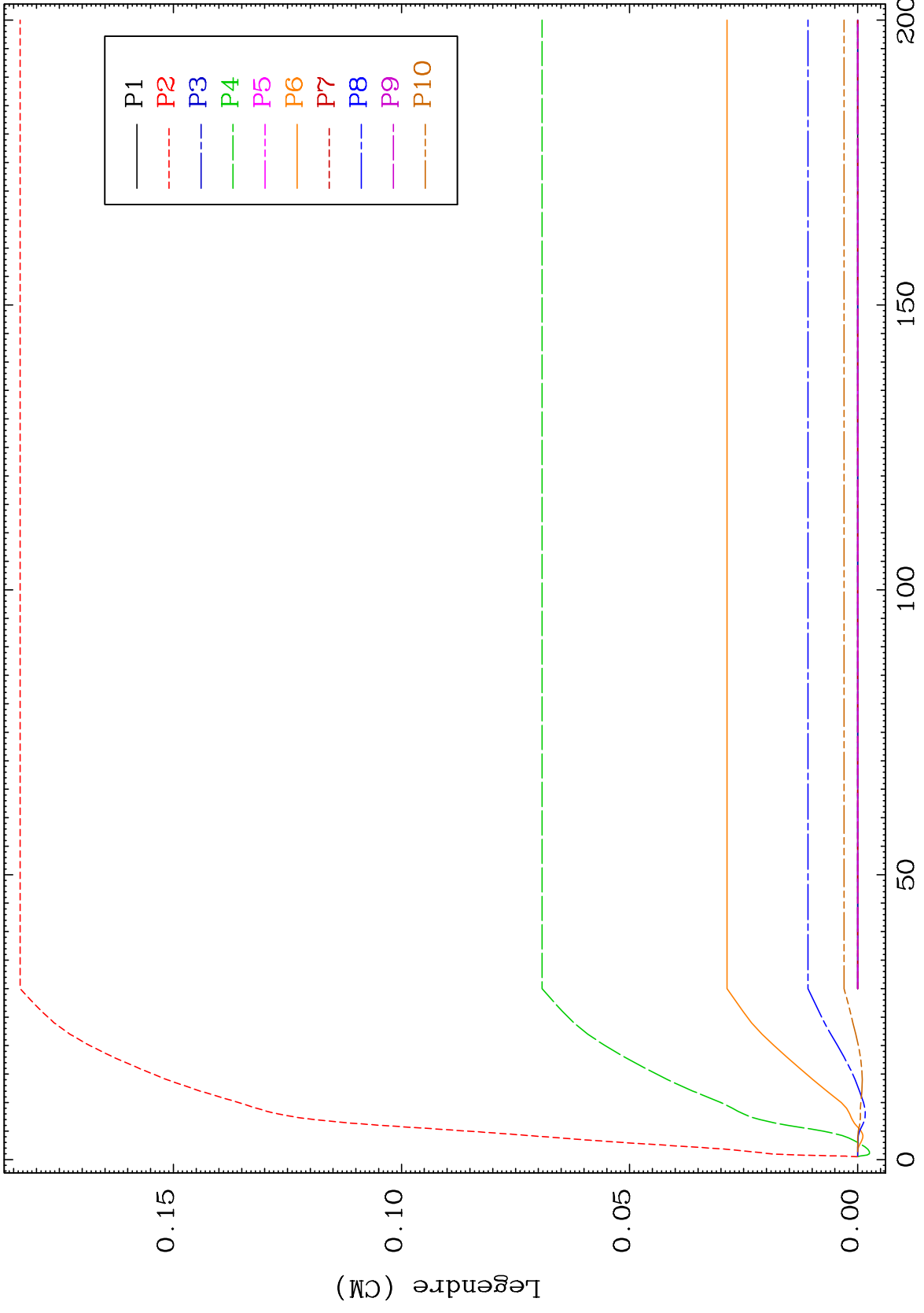
69-Tm-167

Incident Energy (MeV)

69



MAT 6919 MT= 68 (n,n') Level Legendre Coefficients 69-Tm-167

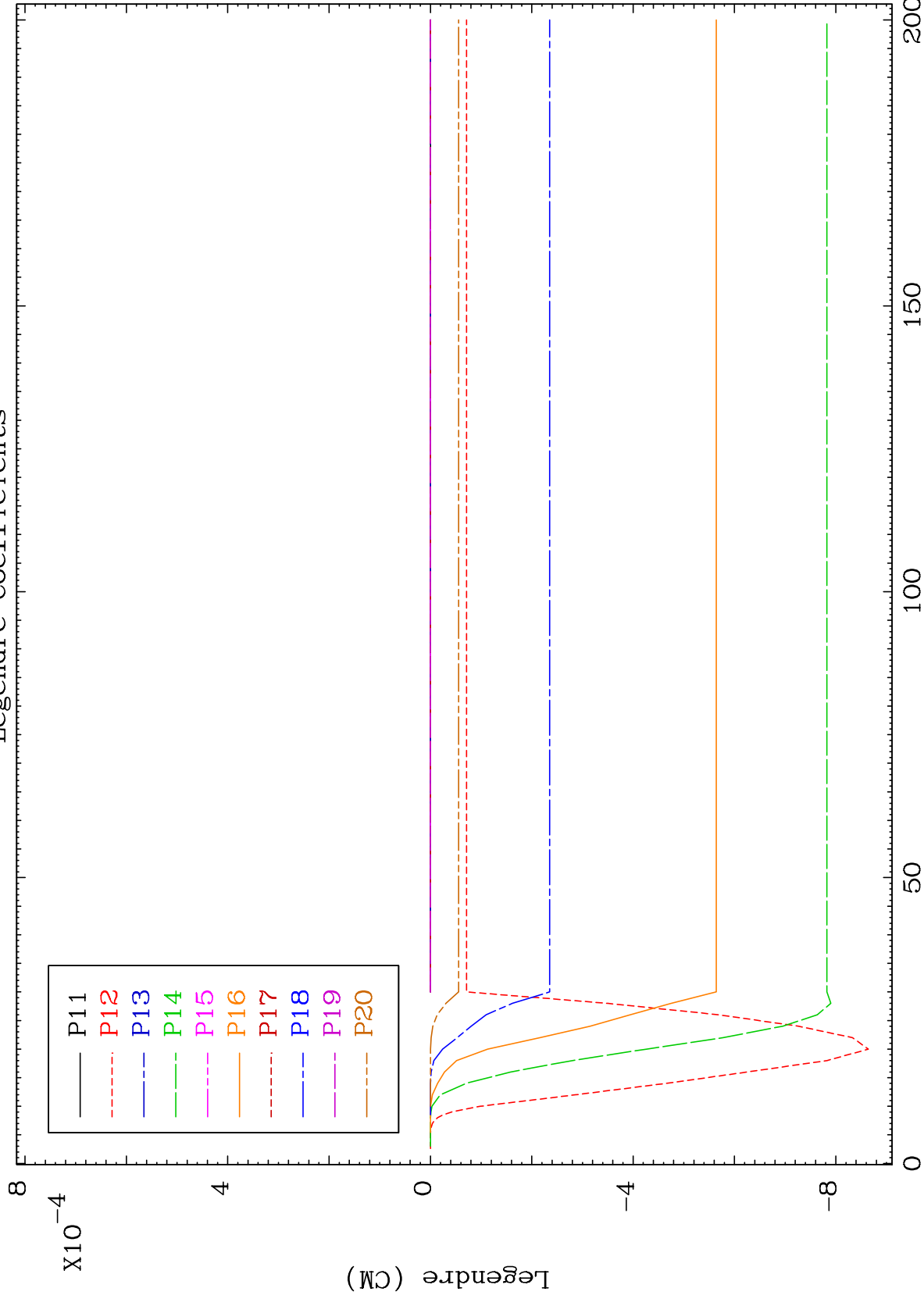


69-Tm-167

MAT 6919

MT= 68 (n,n') Level  
Legendre Coefficients

69-Tm-167



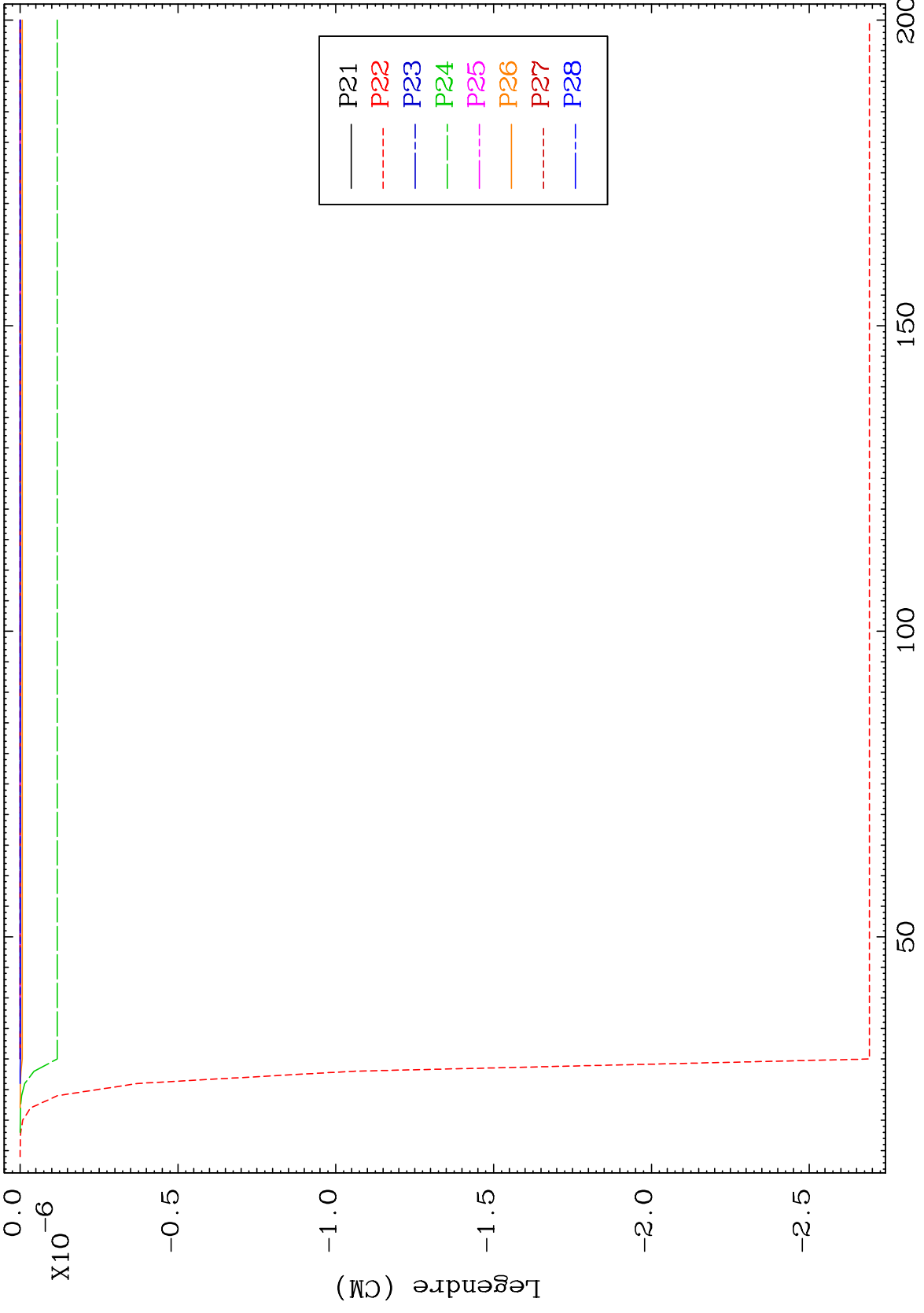
71

Incident Energy (MeV)

69-Tm-167



MAT 6919 MT= 68 (n,n') Level Legendre Coefficients 69-Tm-167



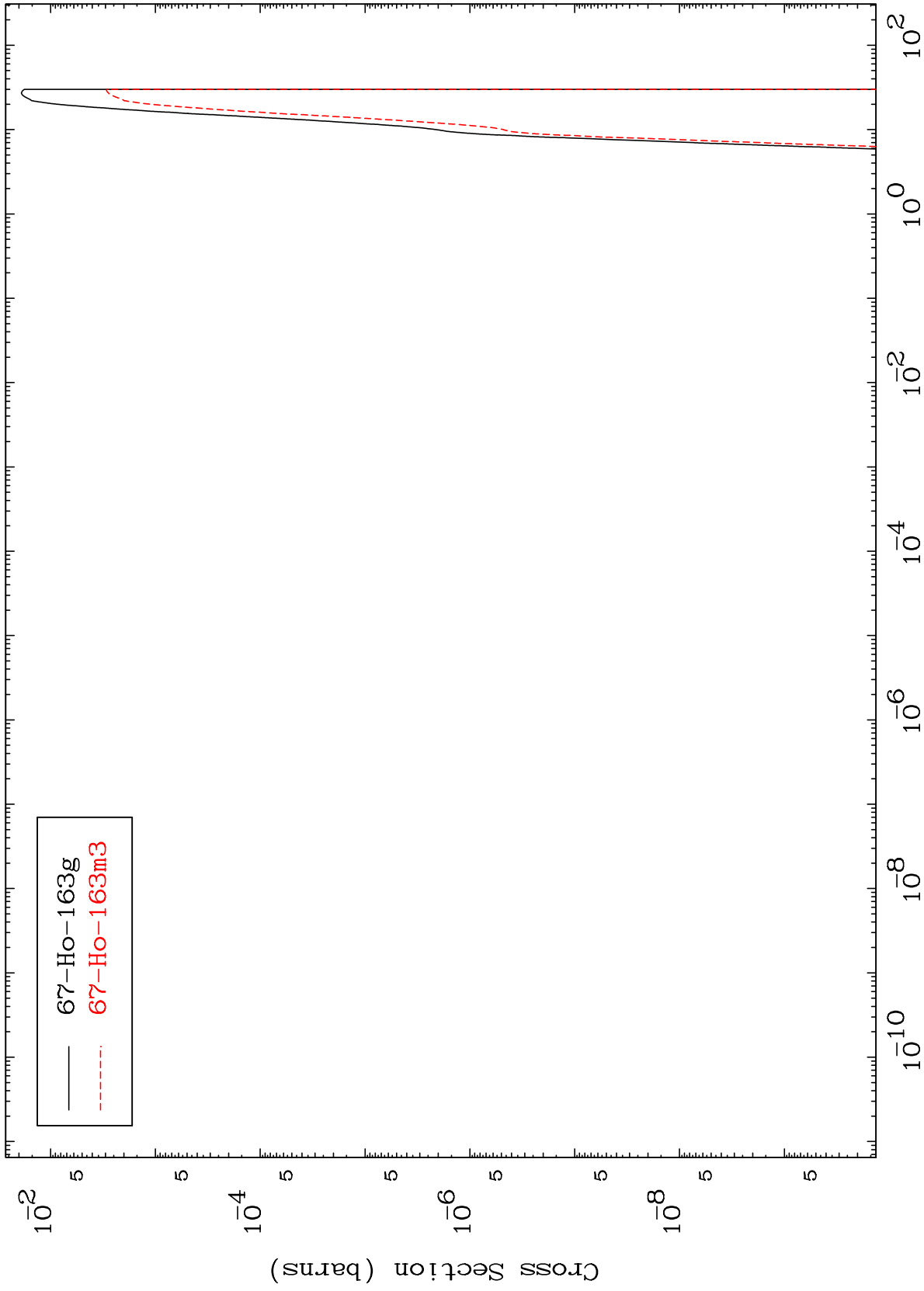
72 69-Tm-167

MAT 6919

(n,n')  $\alpha$

69-Tm-167

Radionuclide Production Cross Section



73

Incident Energy (MeV)

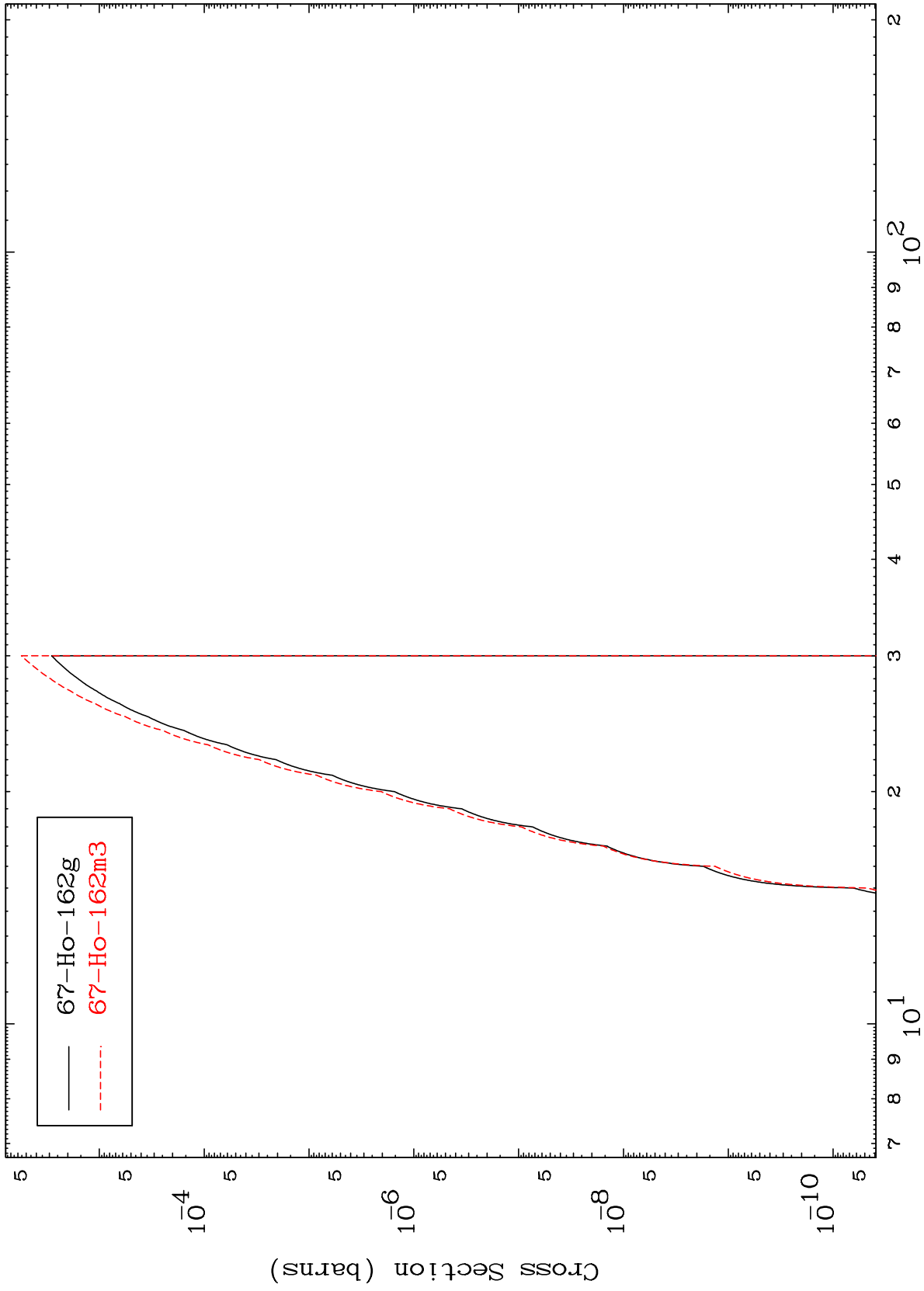
69-Tm-167

MAT 6919

(n,2n)  $\alpha$

69-Tm-167

Radionuclide Production Cross Section



74

Incident Energy (MeV)

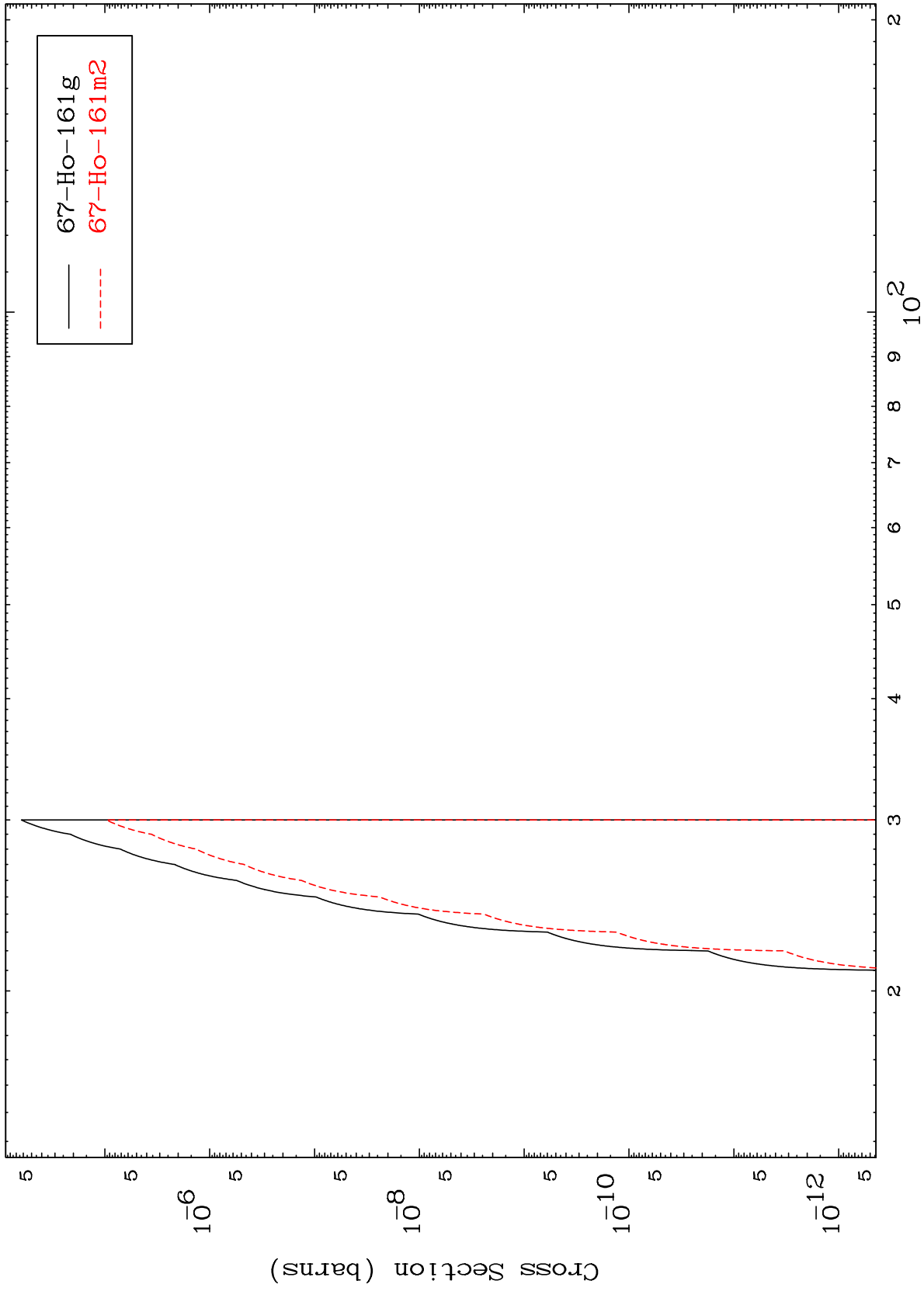
69-Tm-167

MAT 6919

(n,3n)  $\alpha$

69-Tm-167

Radionuclide Production Cross Section



75

Incident Energy (MeV)

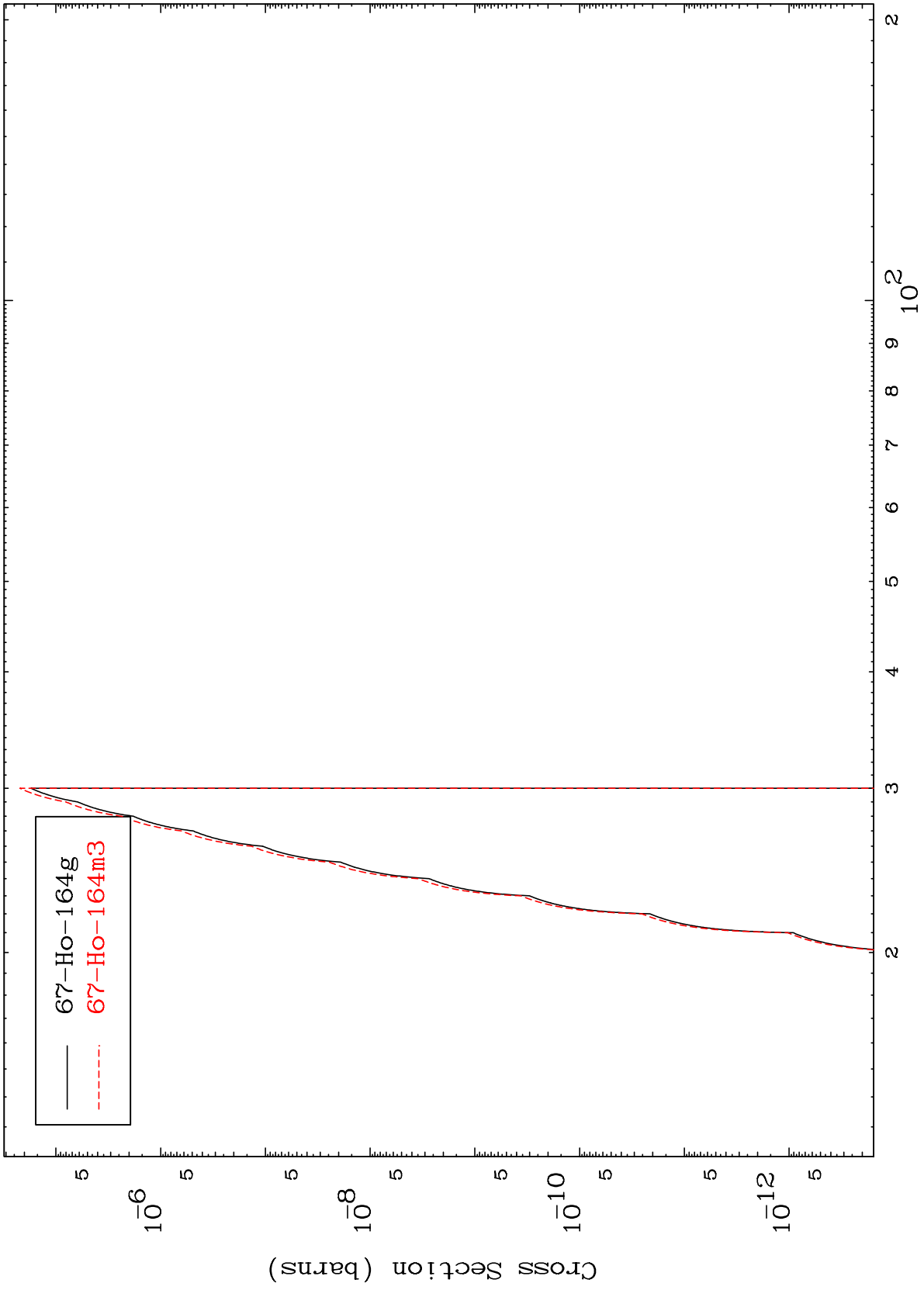
69-Tm-167

MAT 6919

(n, n') He-3

69-Tm-167

Radionuclide Production Cross Section



76

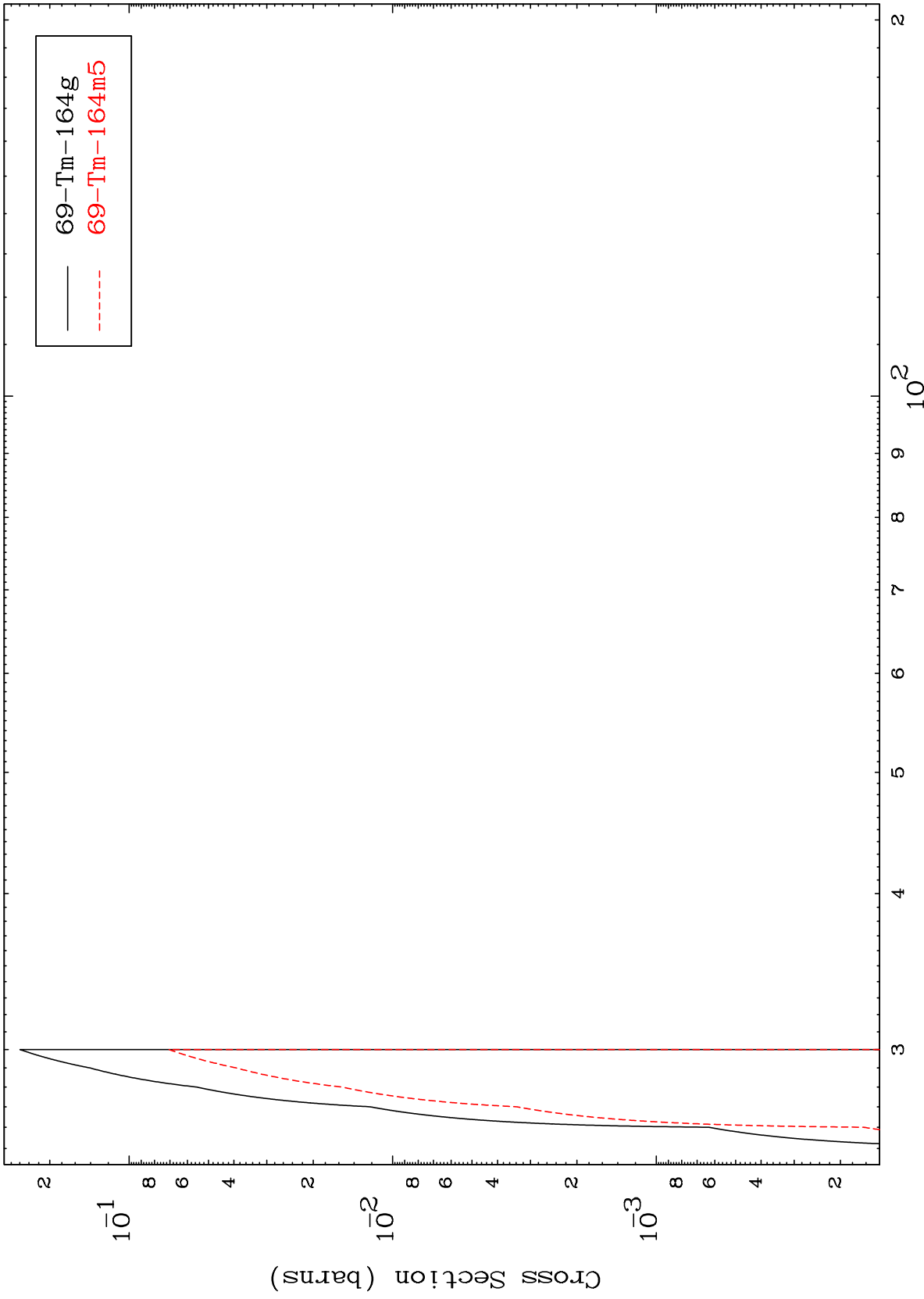
Incident Energy (MeV)

69-Tm-167

MAT 6919

69-Tm-167

(n,4n)  
Radionuclide Production Cross Section



69-Tm-164g  
69-Tm-164m5

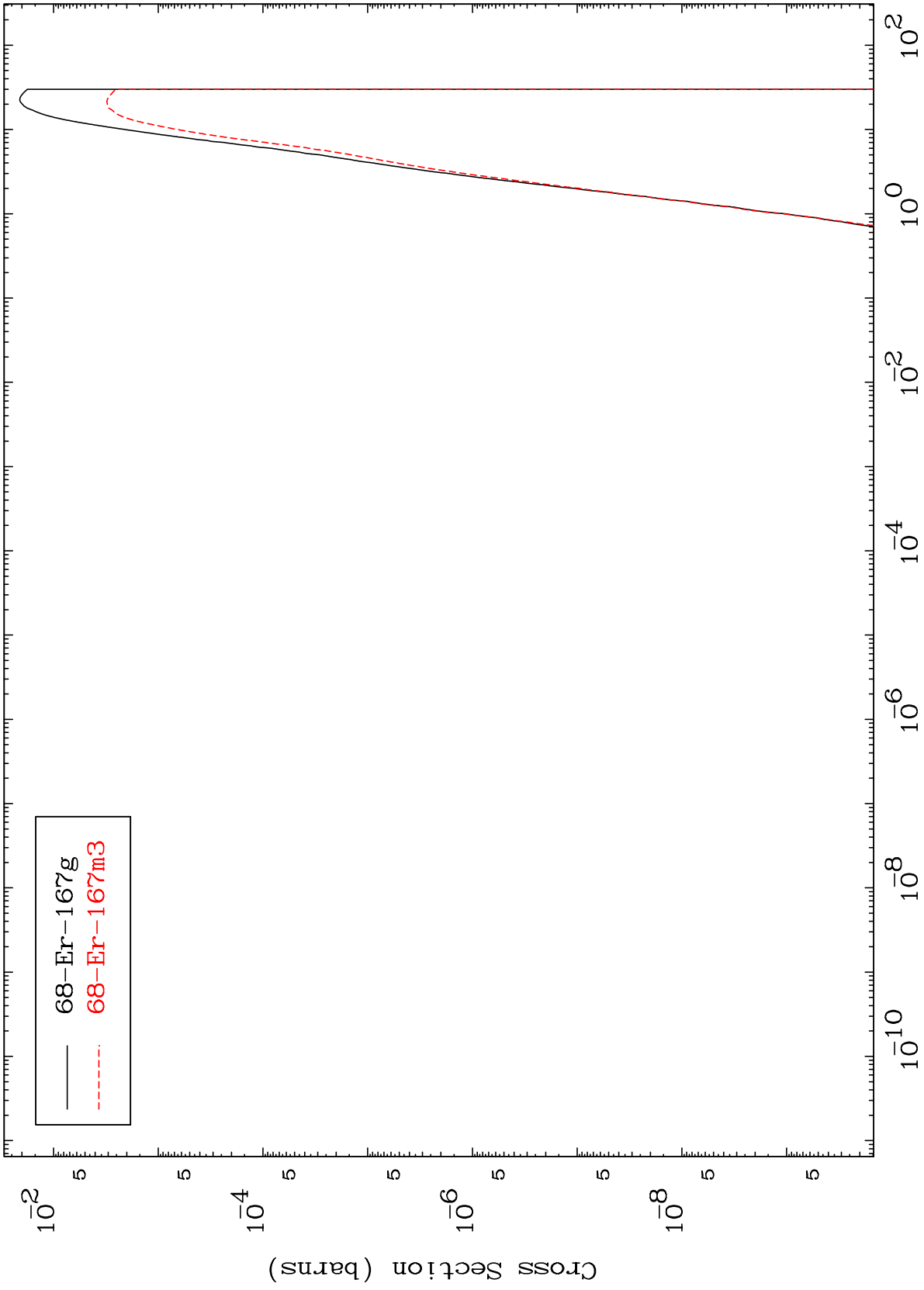
77

69-Tm-167

MAT 6919

(n,p)  
Radionuclide Production Cross Section

69-Tm-167



78

Incident Energy (MeV)

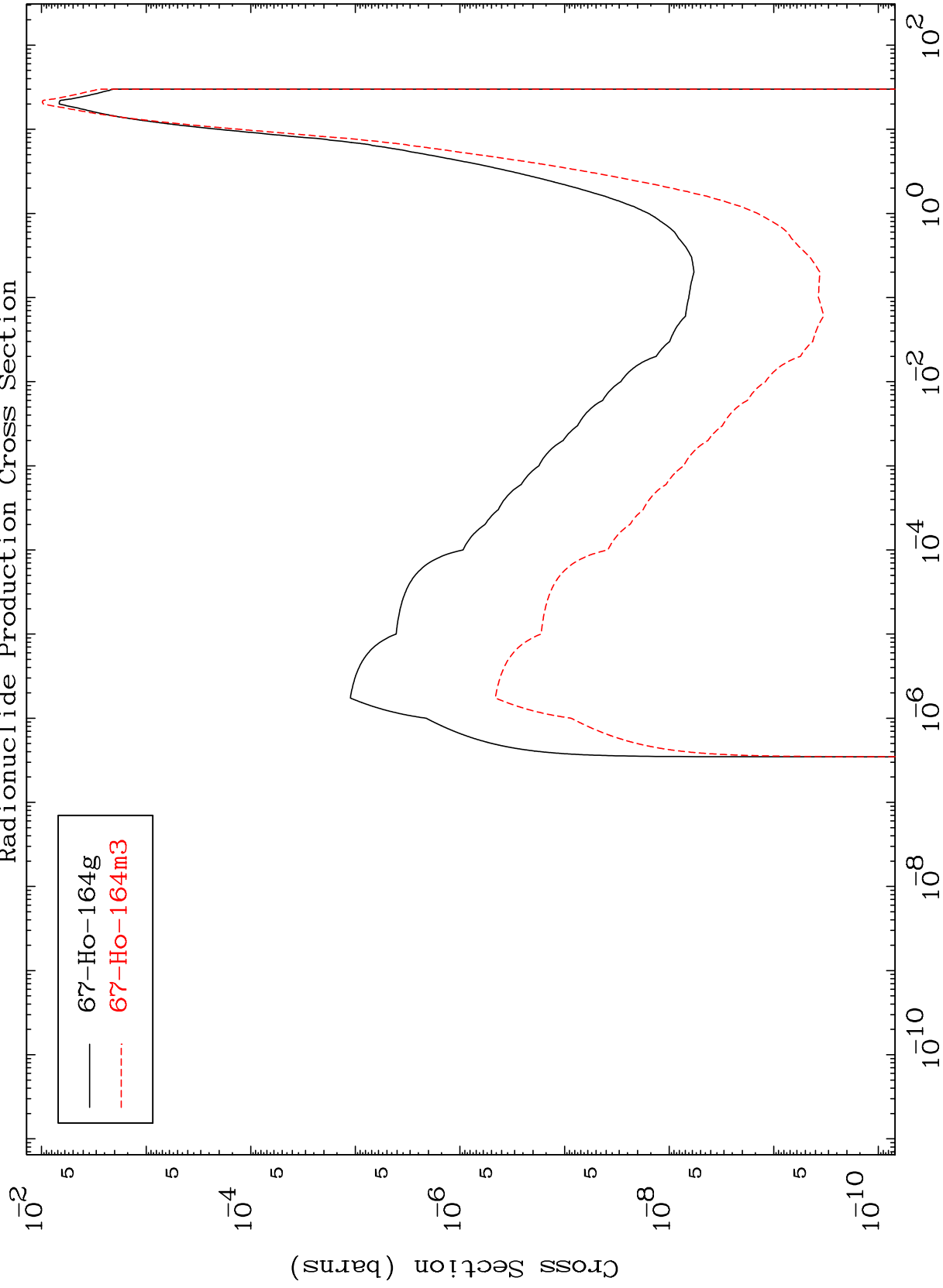
69-Tm-167

MAT 6919

(n,  $\alpha$ )

69-Tm-167

Radionuclide Production Cross Section



79

Incident Energy (MeV)

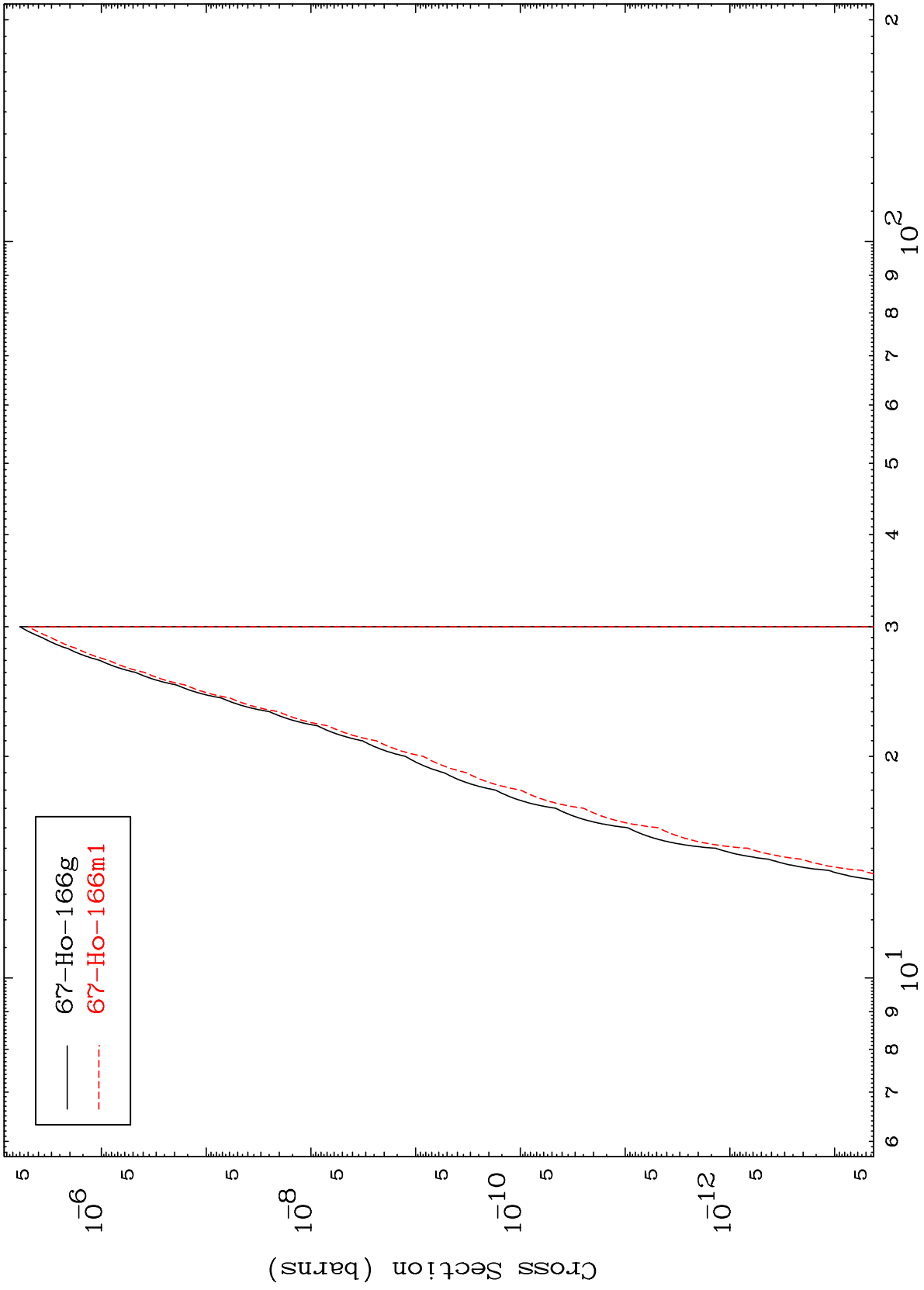
69-Tm-167



MAT 6919

69-Tm-167

Radionuclide Production Cross Section



80

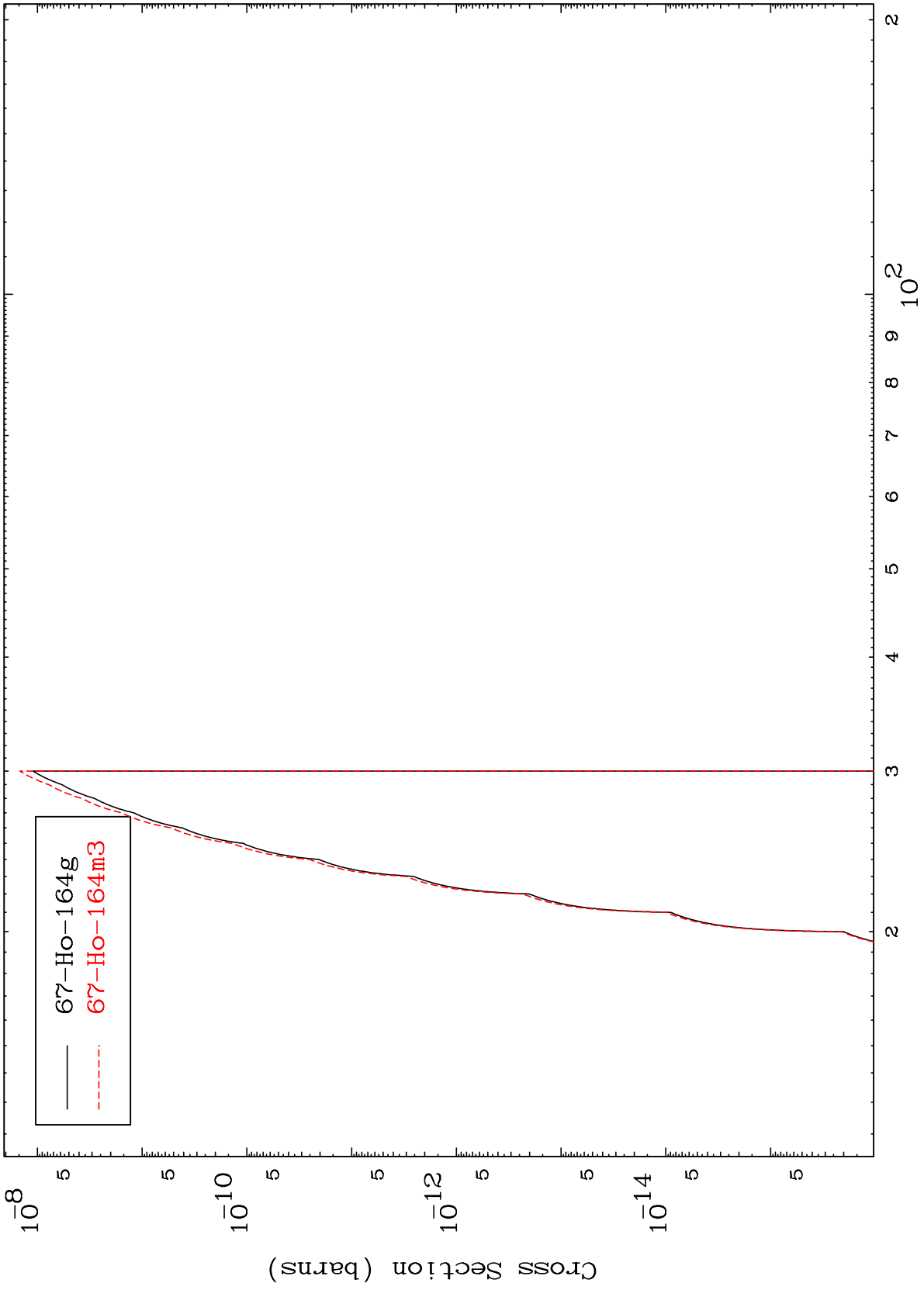
69-Tm-167

MAT 6919

(n,p) t

69-Tm-167

Radionuclide Production Cross Section



81

Incident Energy (MeV)

69-Tm-167