

Program EVALPLOT  
(Version 2021-1)

by

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(Present Contact Information)

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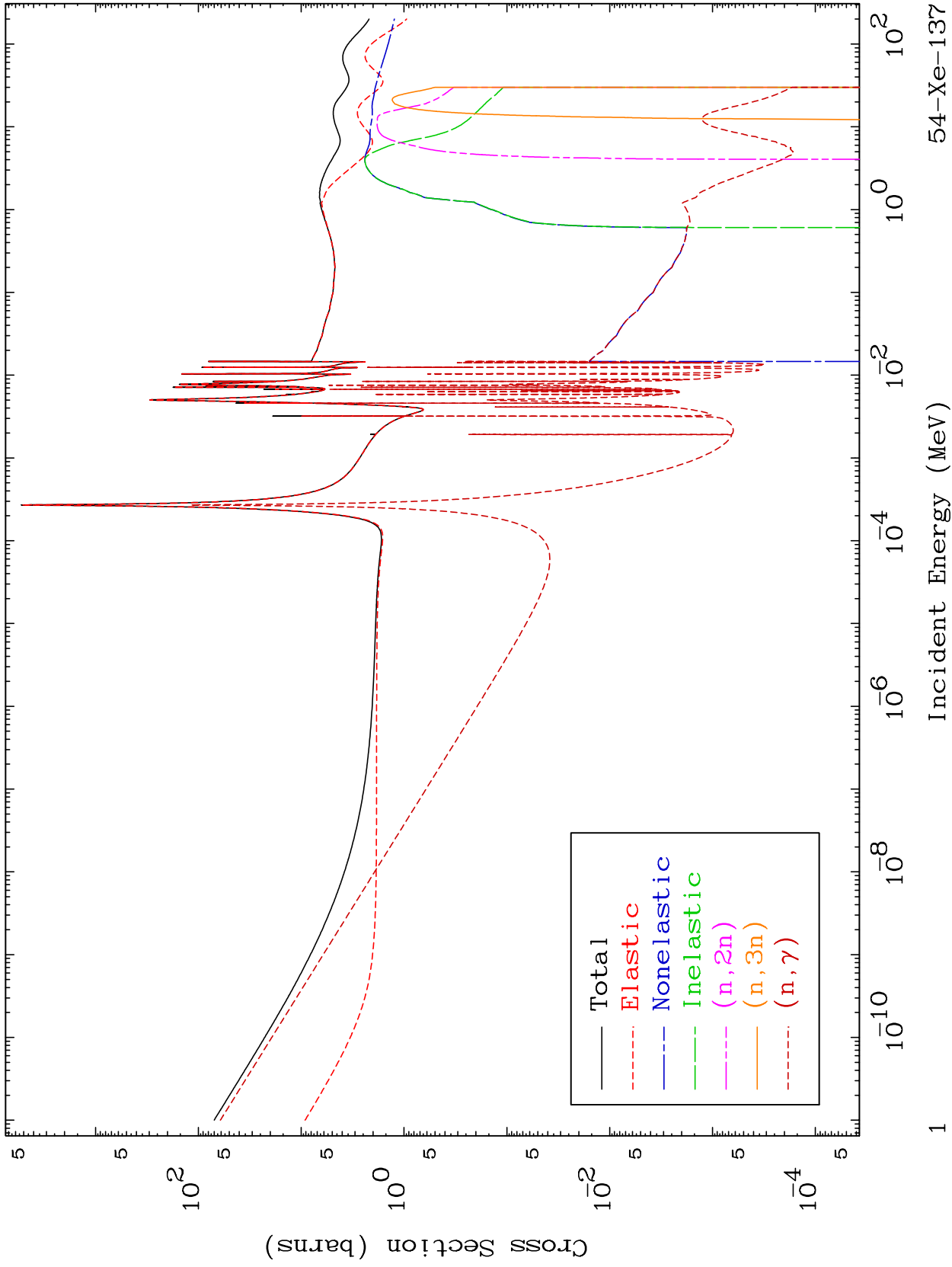
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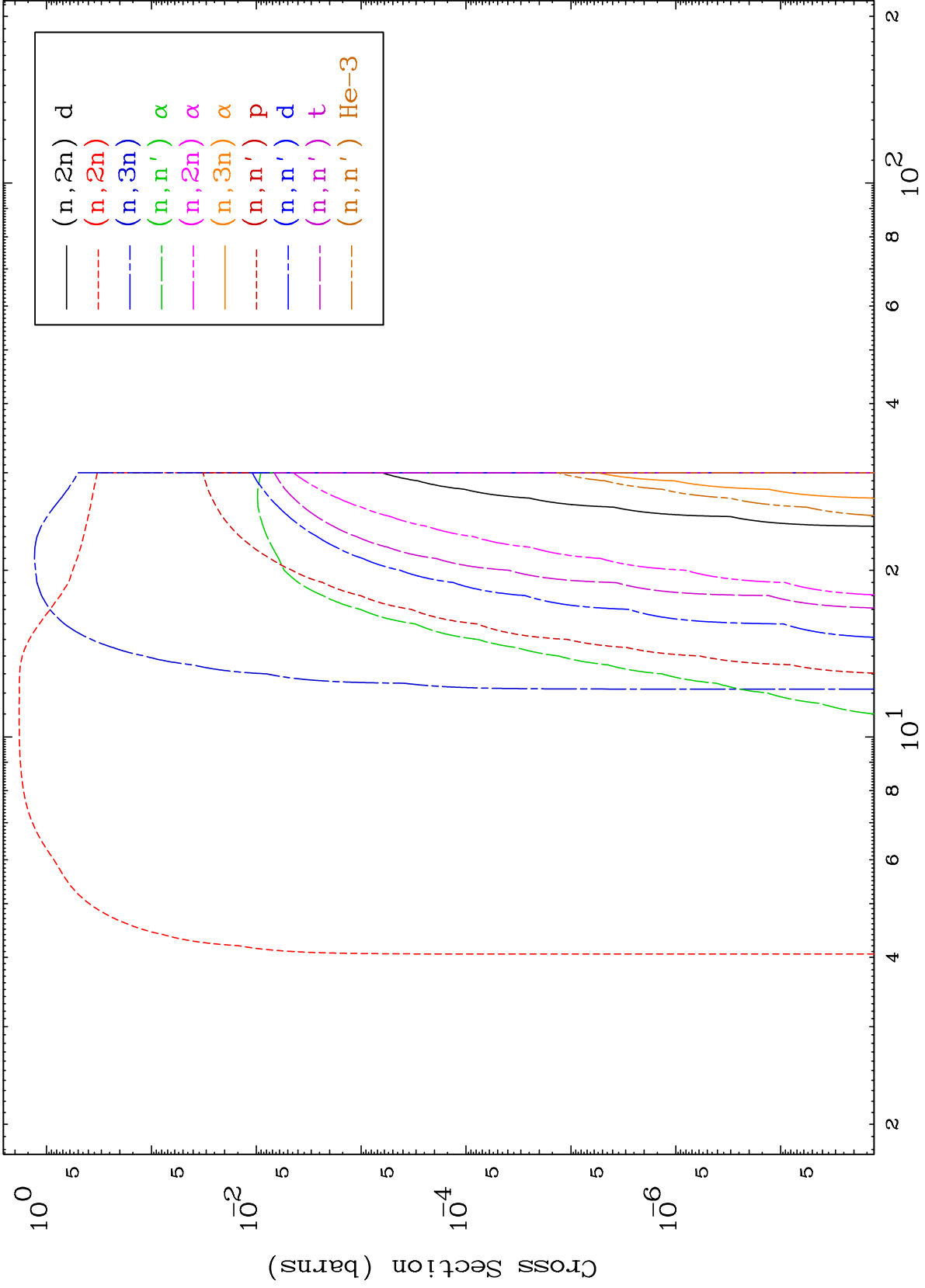
Press Mouse Button to Start

MAT 5464

Neutron Major  
293 Kelvin Cross Sections

54-Xe-137

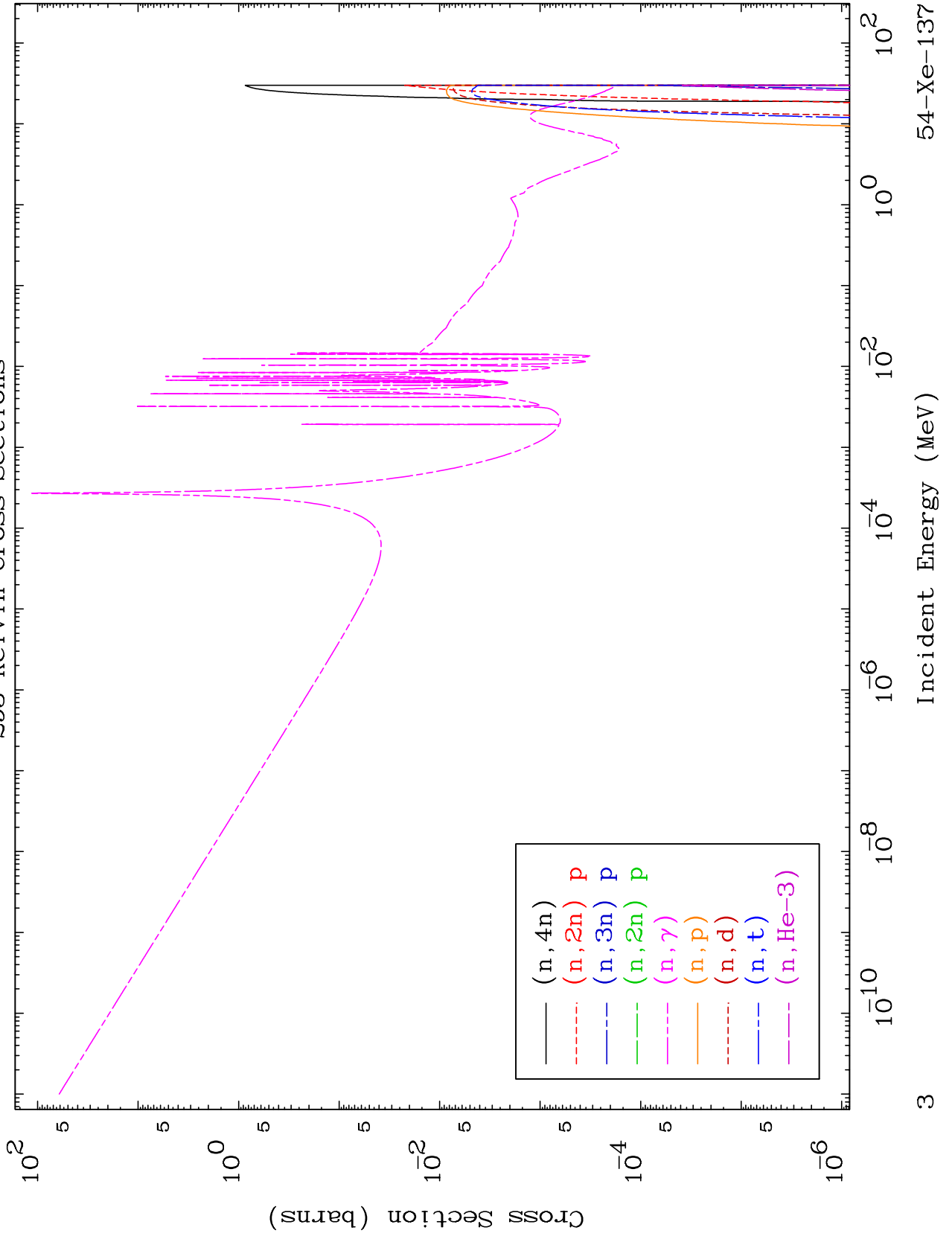


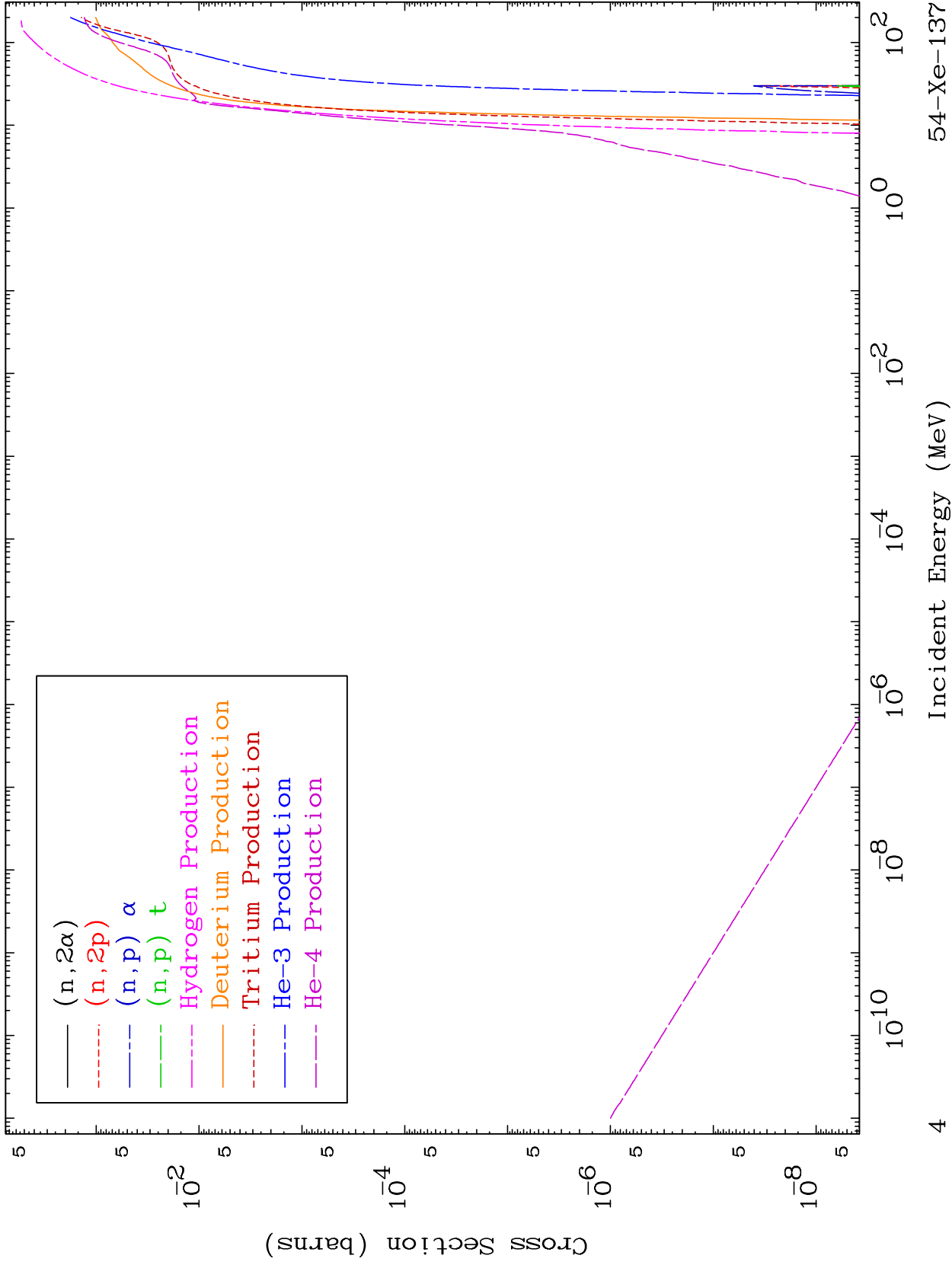


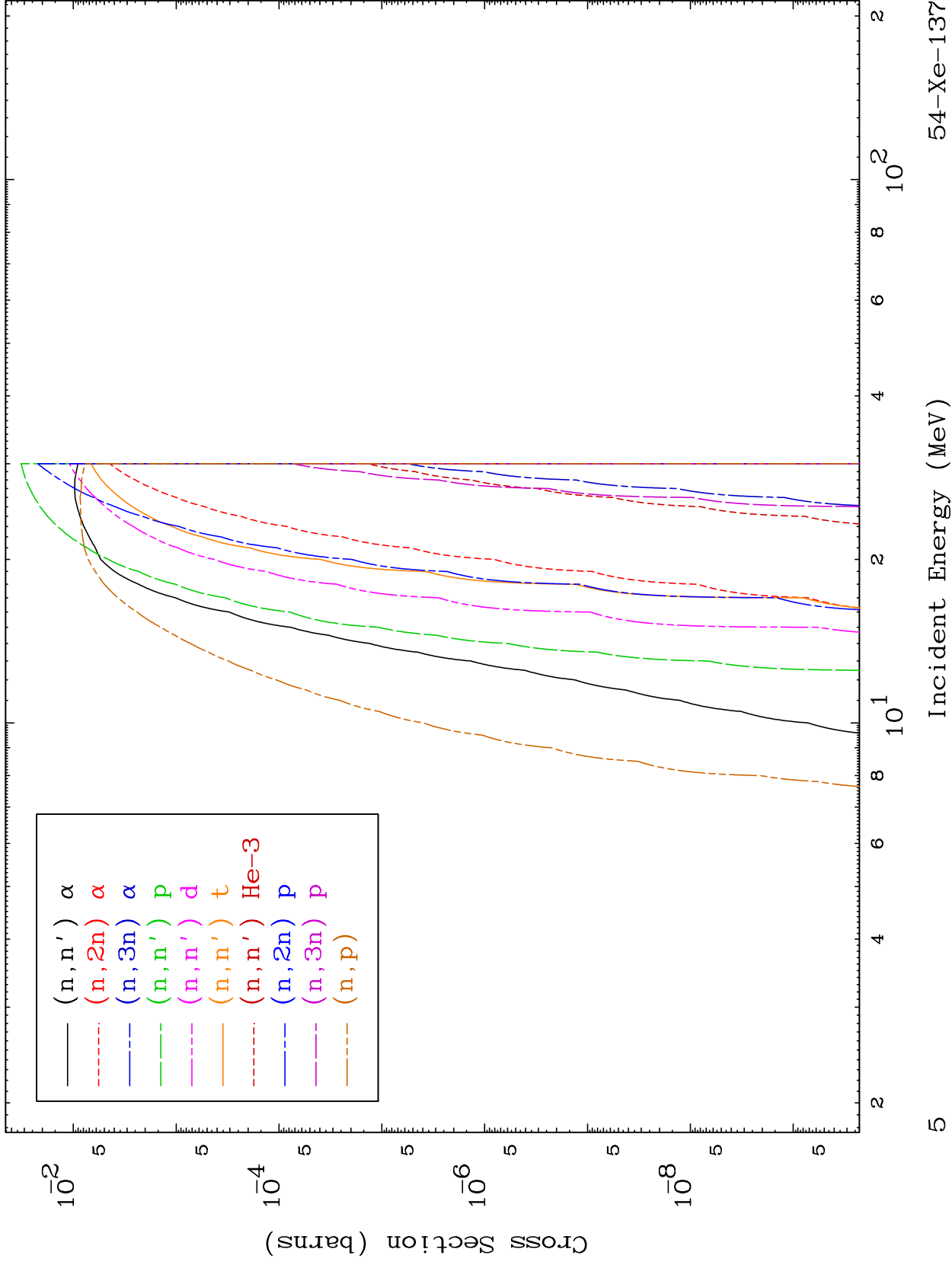
MAT 5464

Neutron Absorption  
293 Kelvin Cross Sections

54-Xe-137



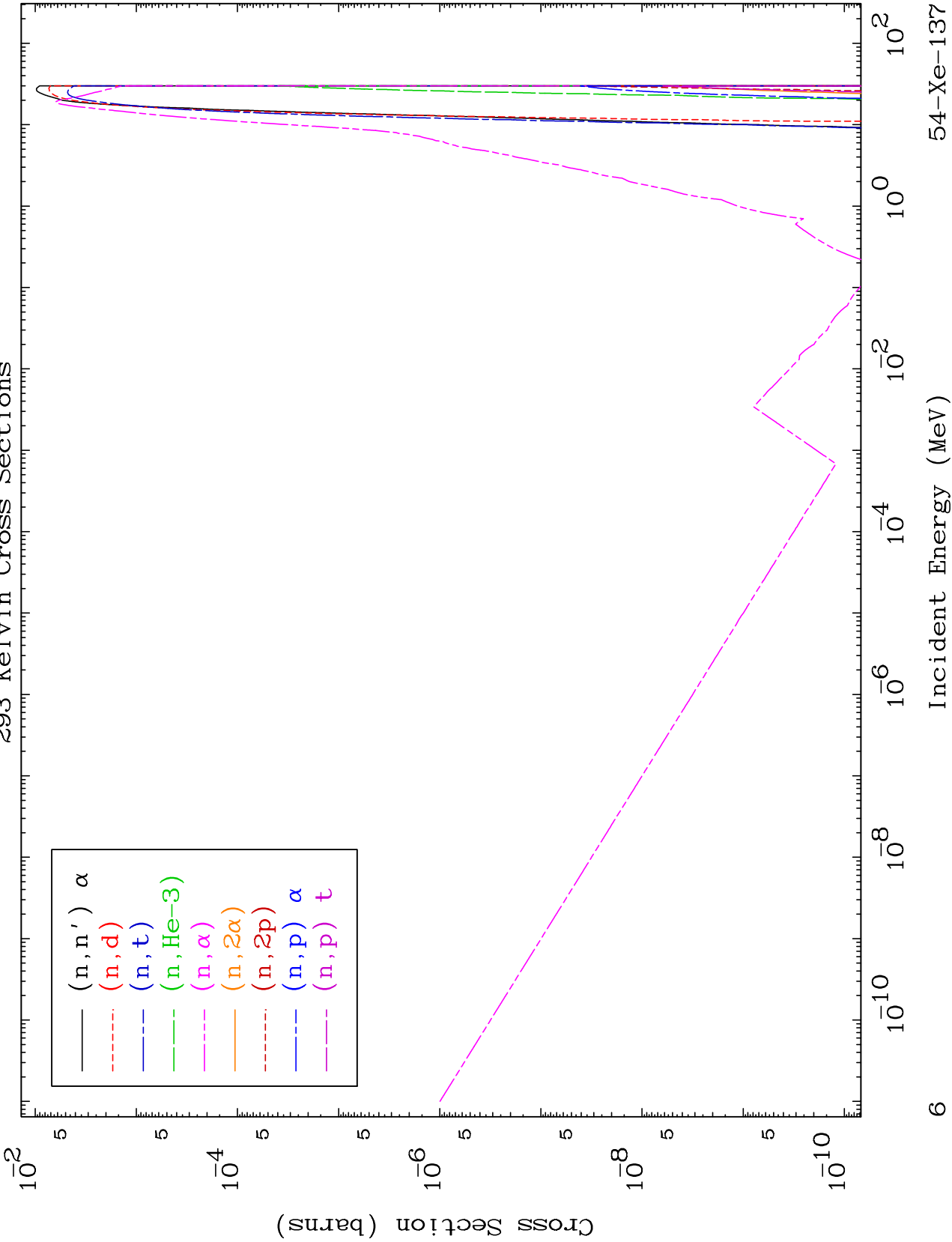


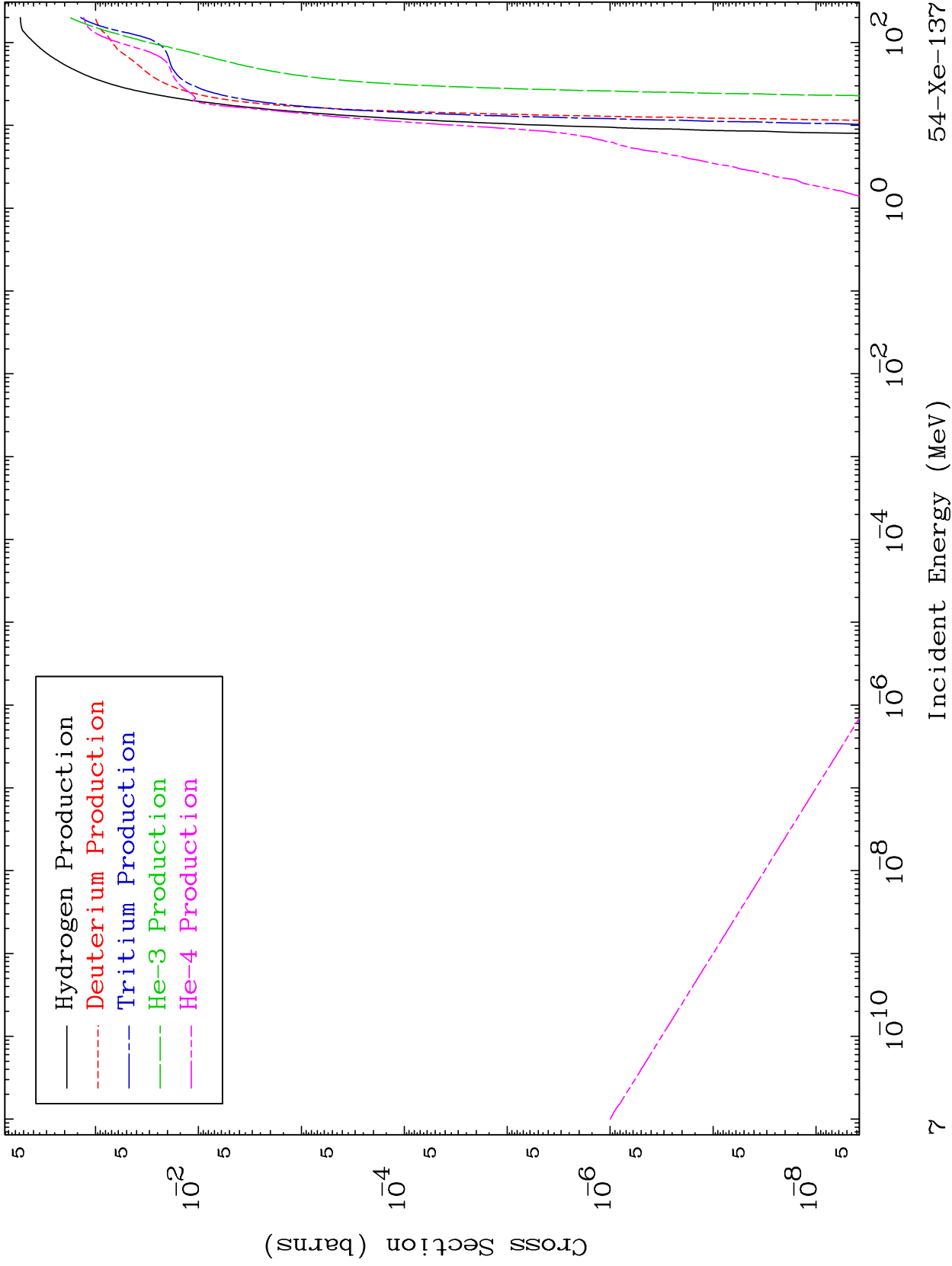


MAT 5464

Charged Particle  
293 Kelvin Cross Sections

54-Xe-137



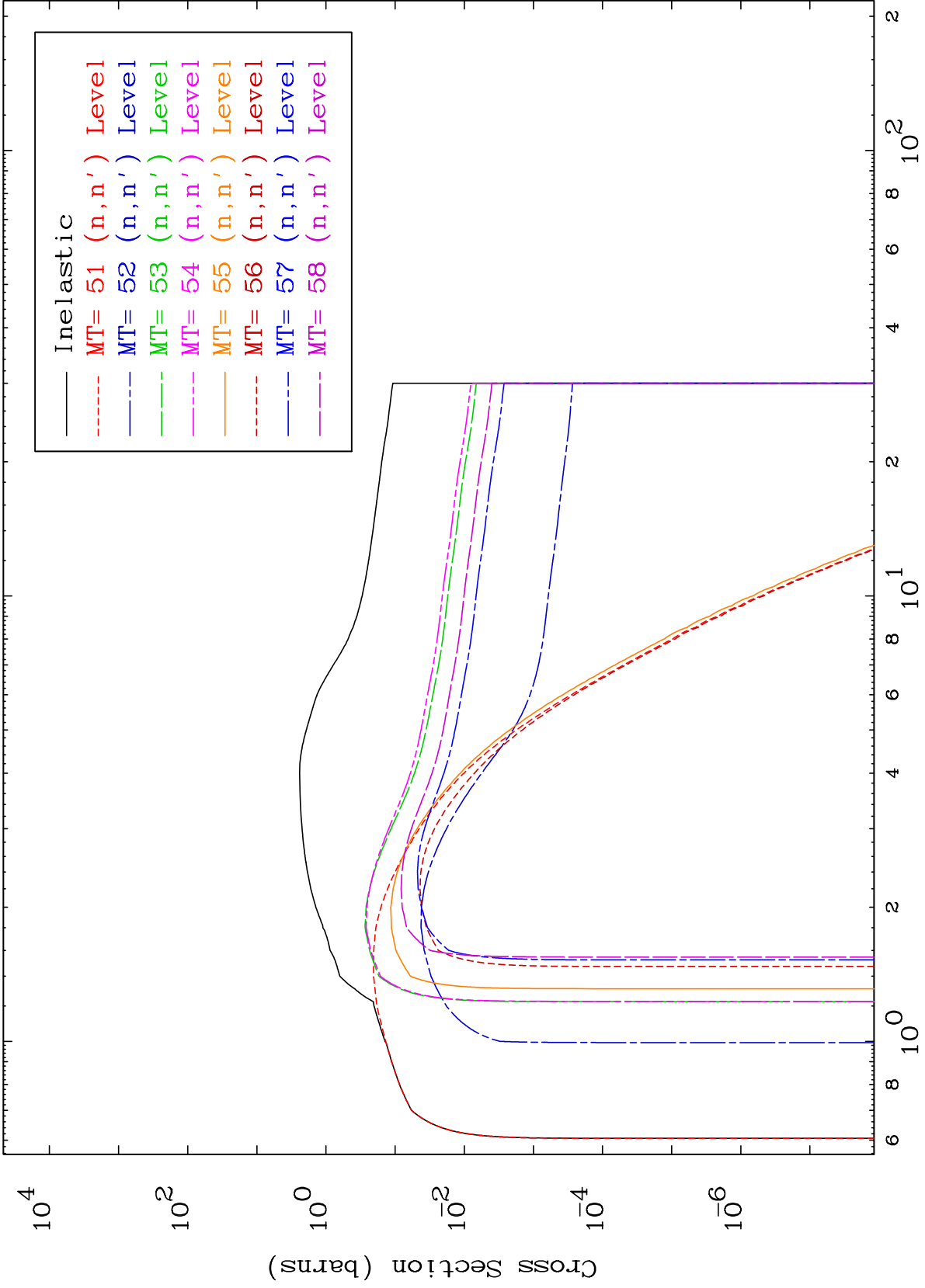


MAT 5464

(n,n') Levels

54-Xe-137

293 Kelvin Cross Sections

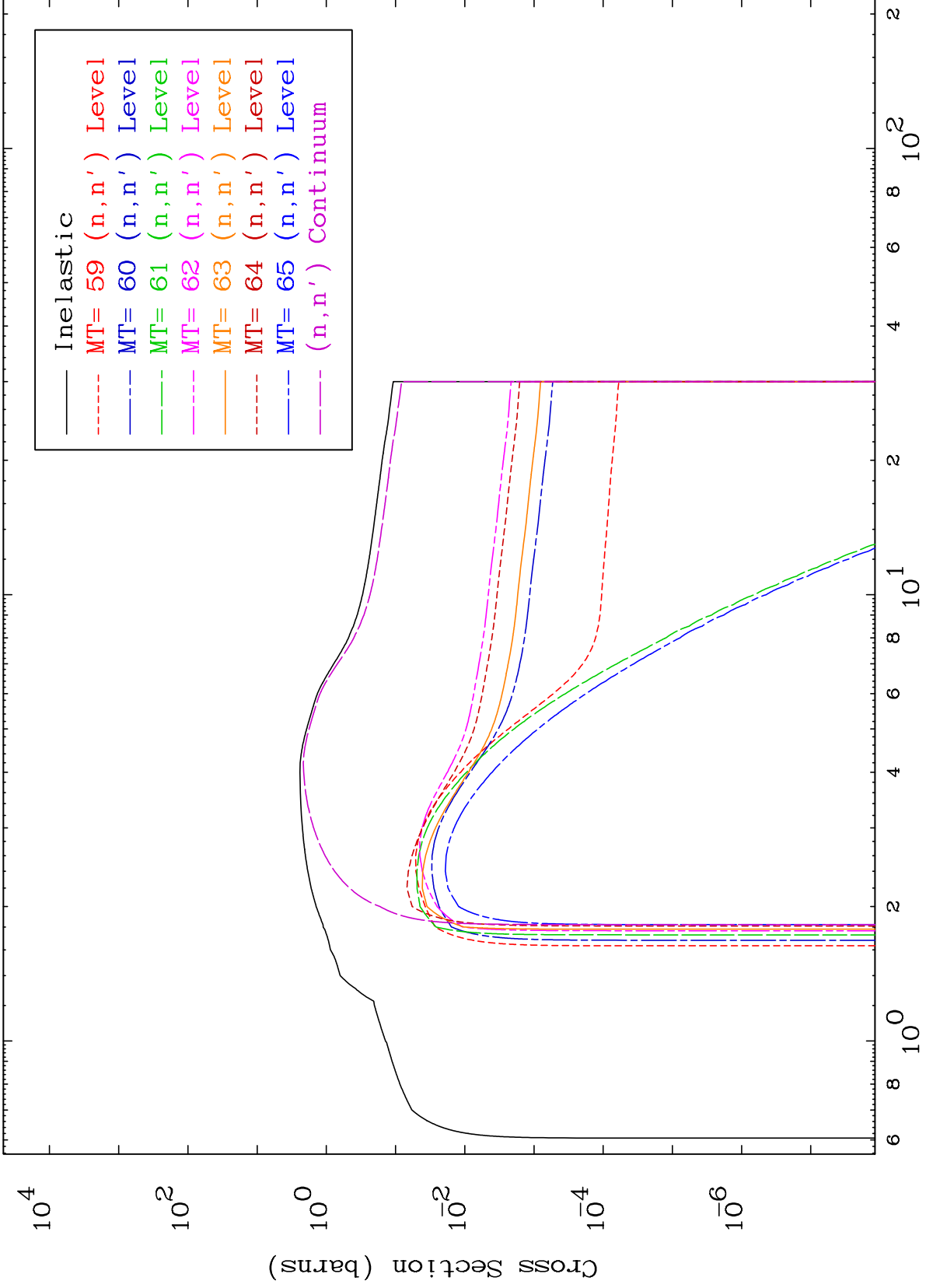


8

Incident Energy (MeV)

54-Xe-137

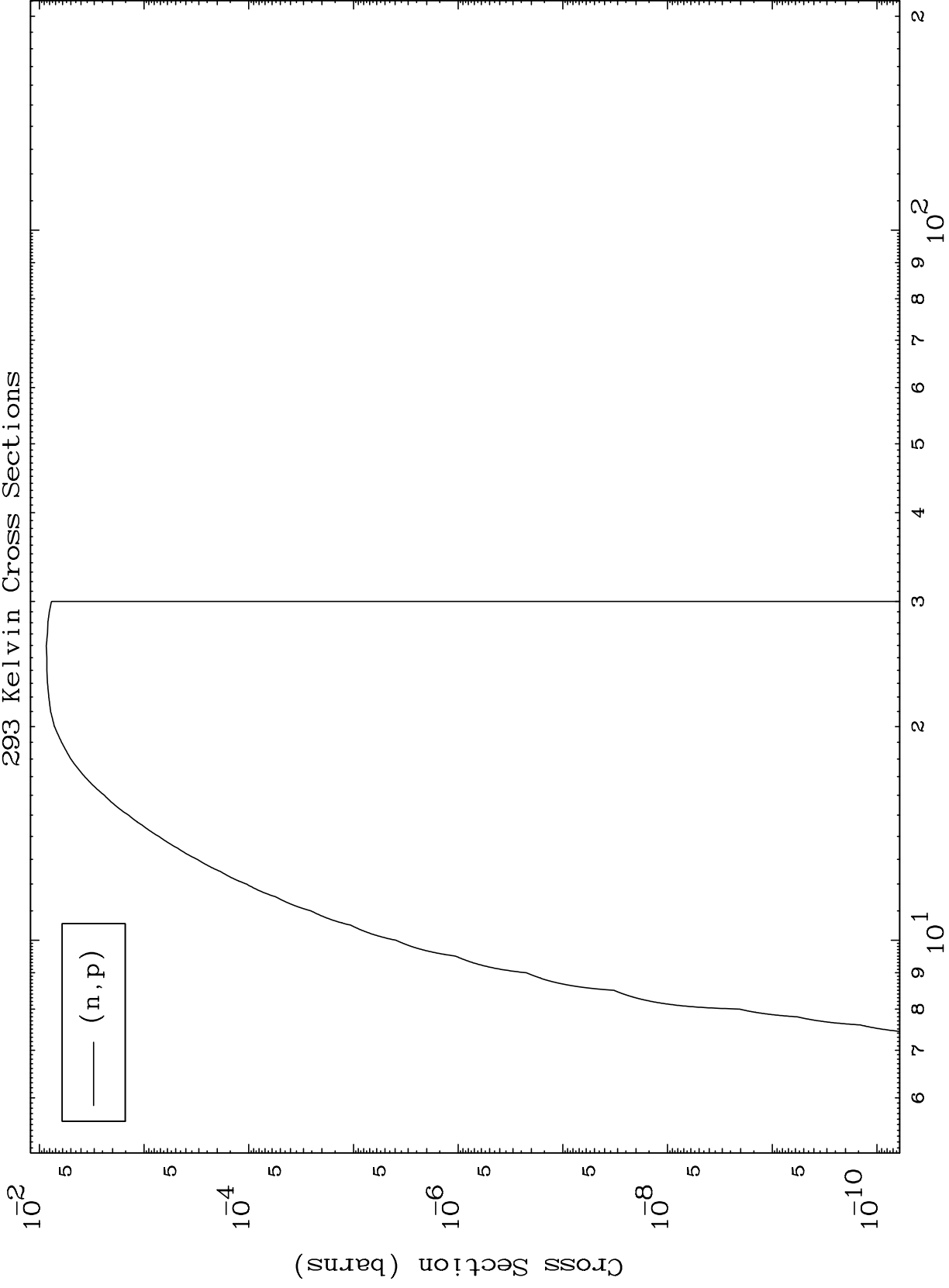
293 Kelvin Cross Sections



MAT 5464

(n,p) Levels  
293 Kelvin Cross Sections

54-Xe-137



10

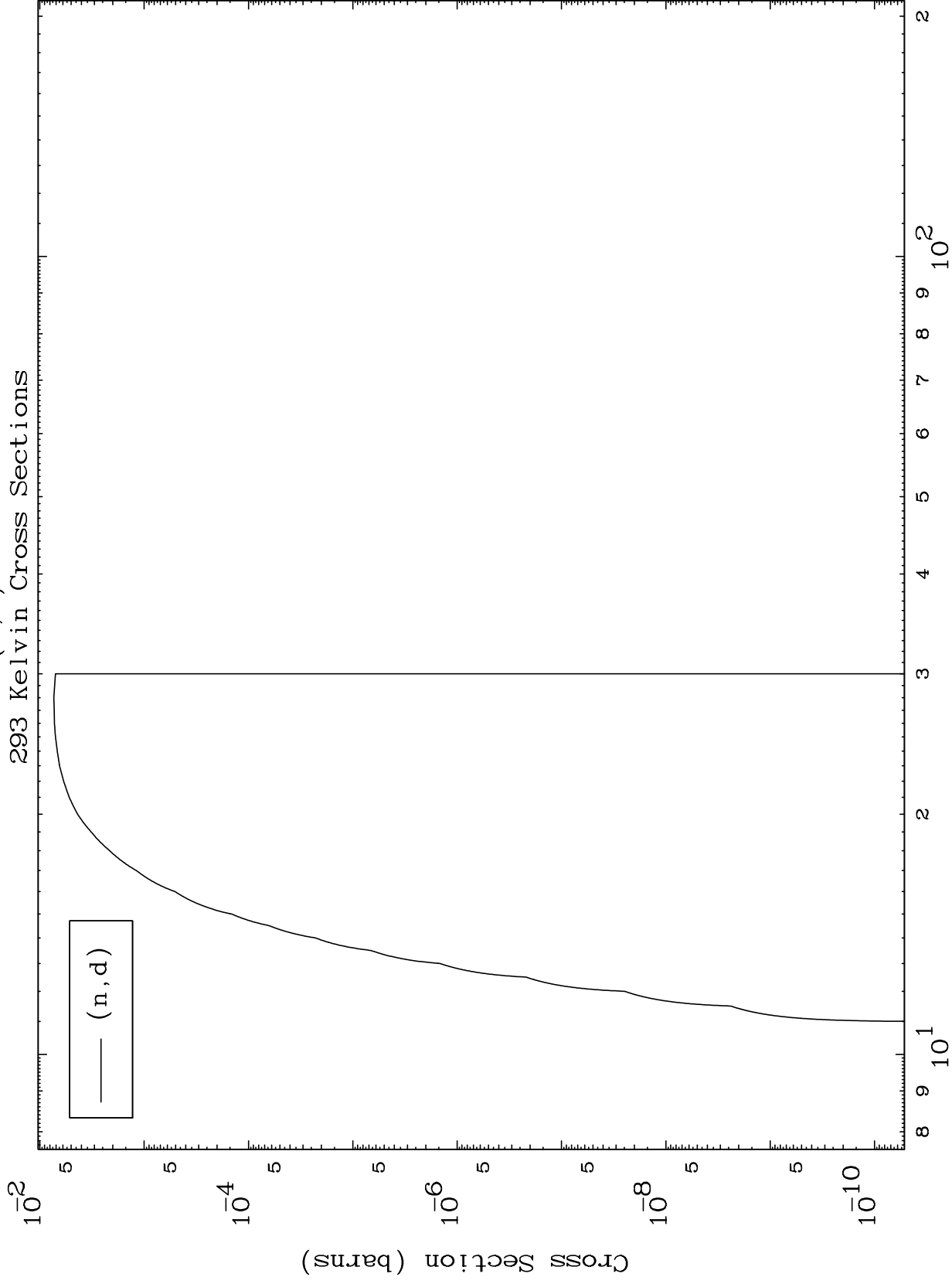
Incident Energy (MeV)

54-Xe-137

MAT 5464

(n,d) Levels  
293 Kelvin Cross Sections

54-Xe-137



11

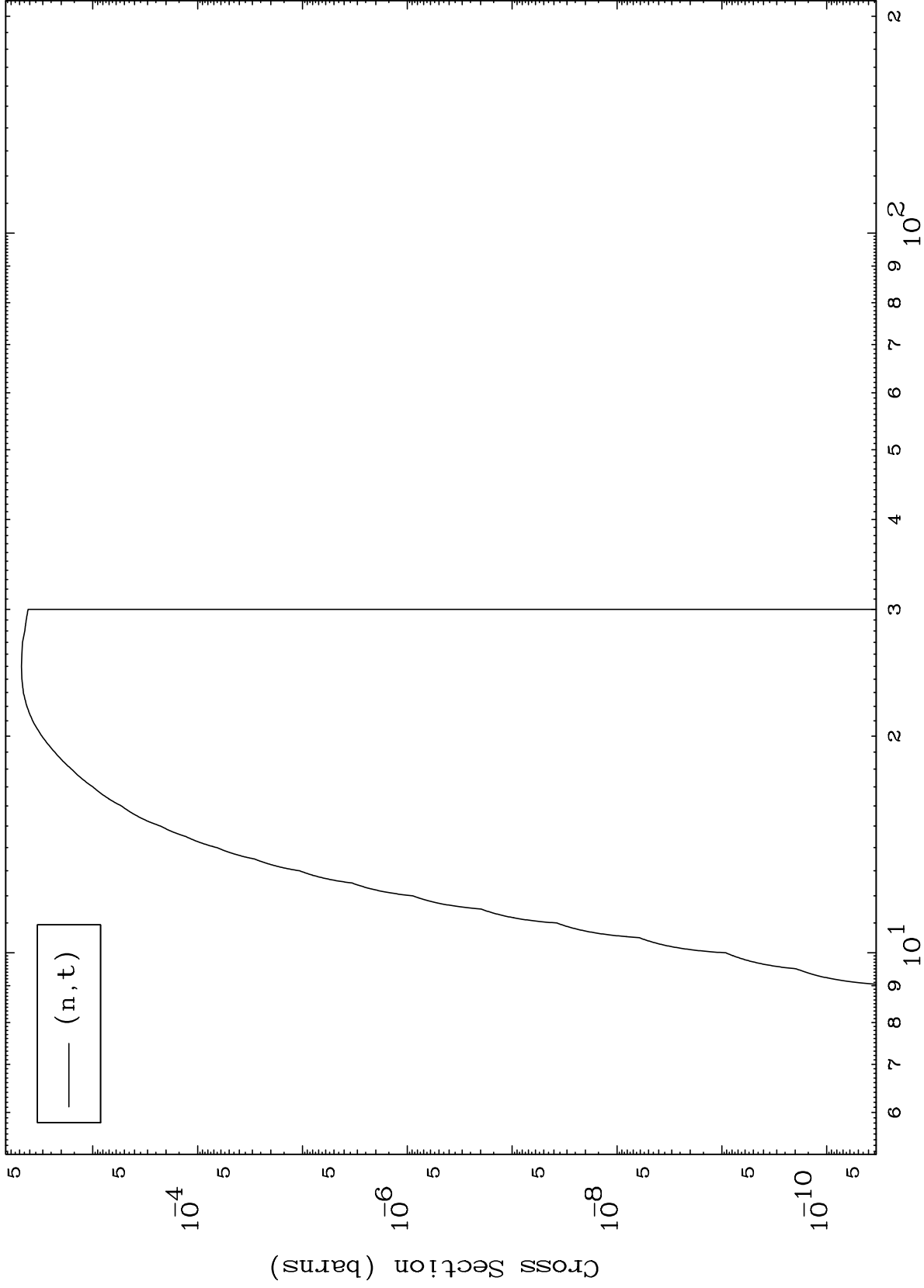
Incident Energy (MeV)

54-Xe-137

MAT 5464

(n,t) Levels  
293 Kelvin Cross Sections

54-Xe-137



12

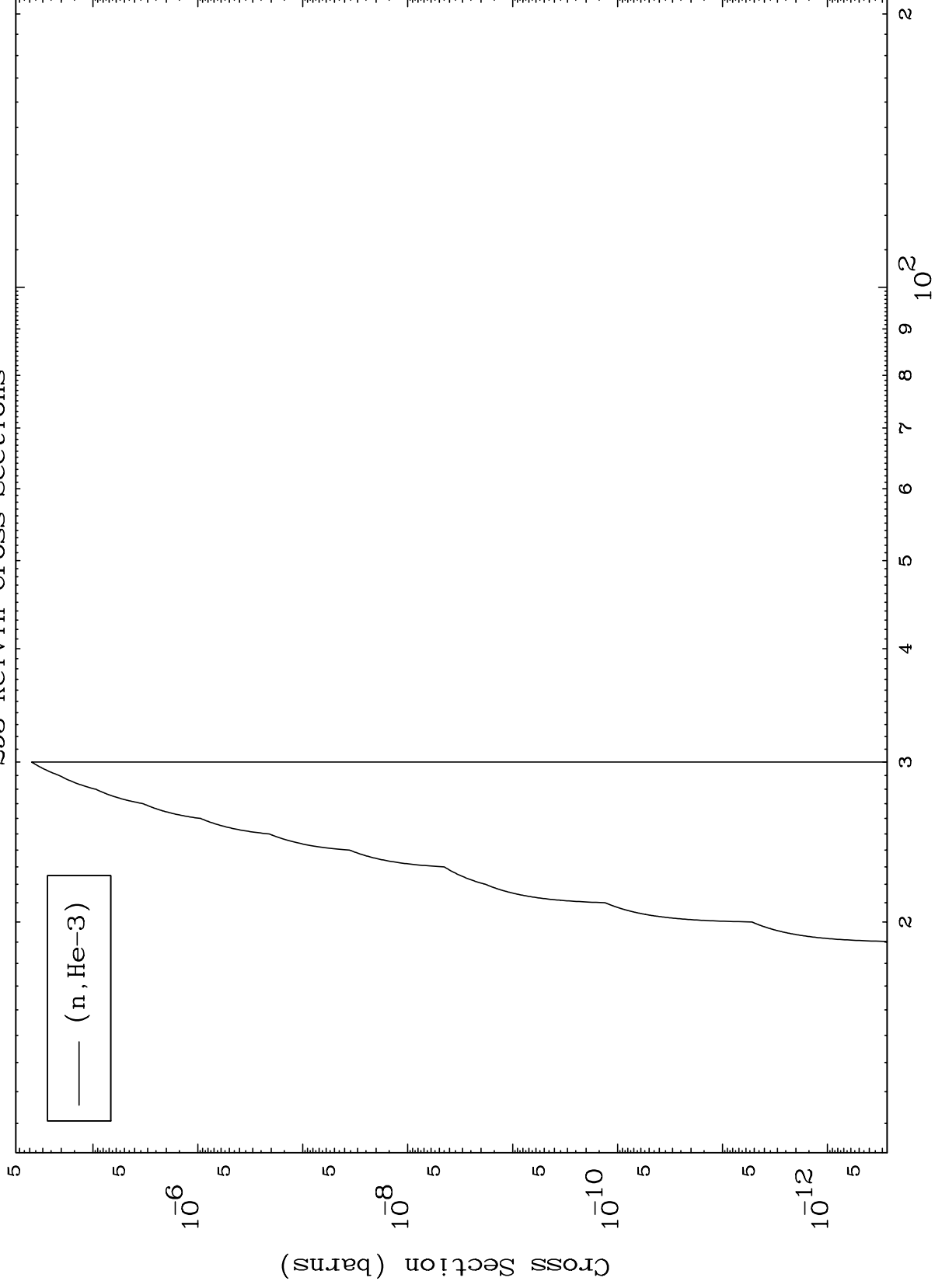
Incident Energy (MeV)

54-Xe-137

MAT 5464

(n,He3) Levels  
293 Kelvin Cross Sections

54-Xe-137



13

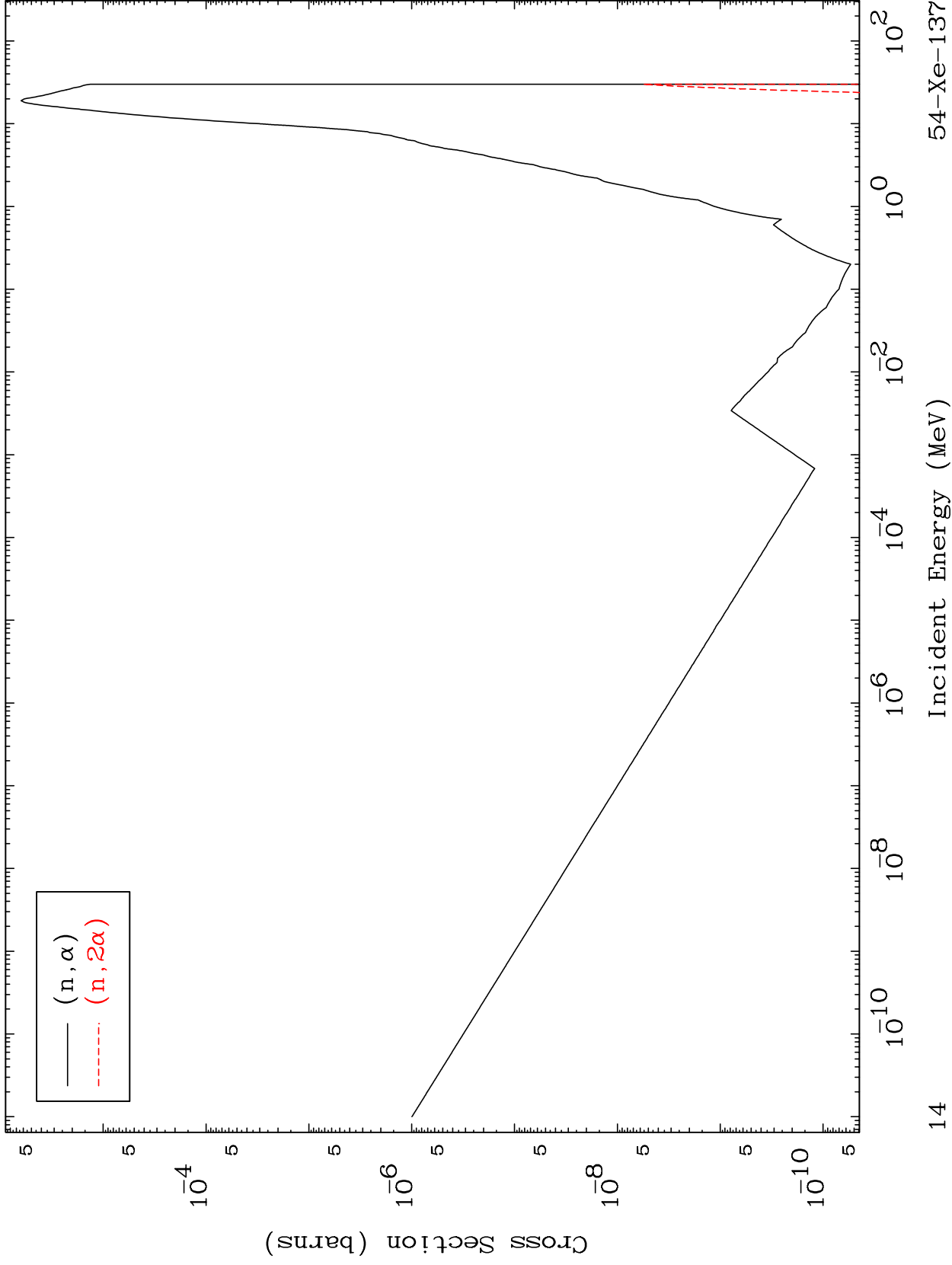
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

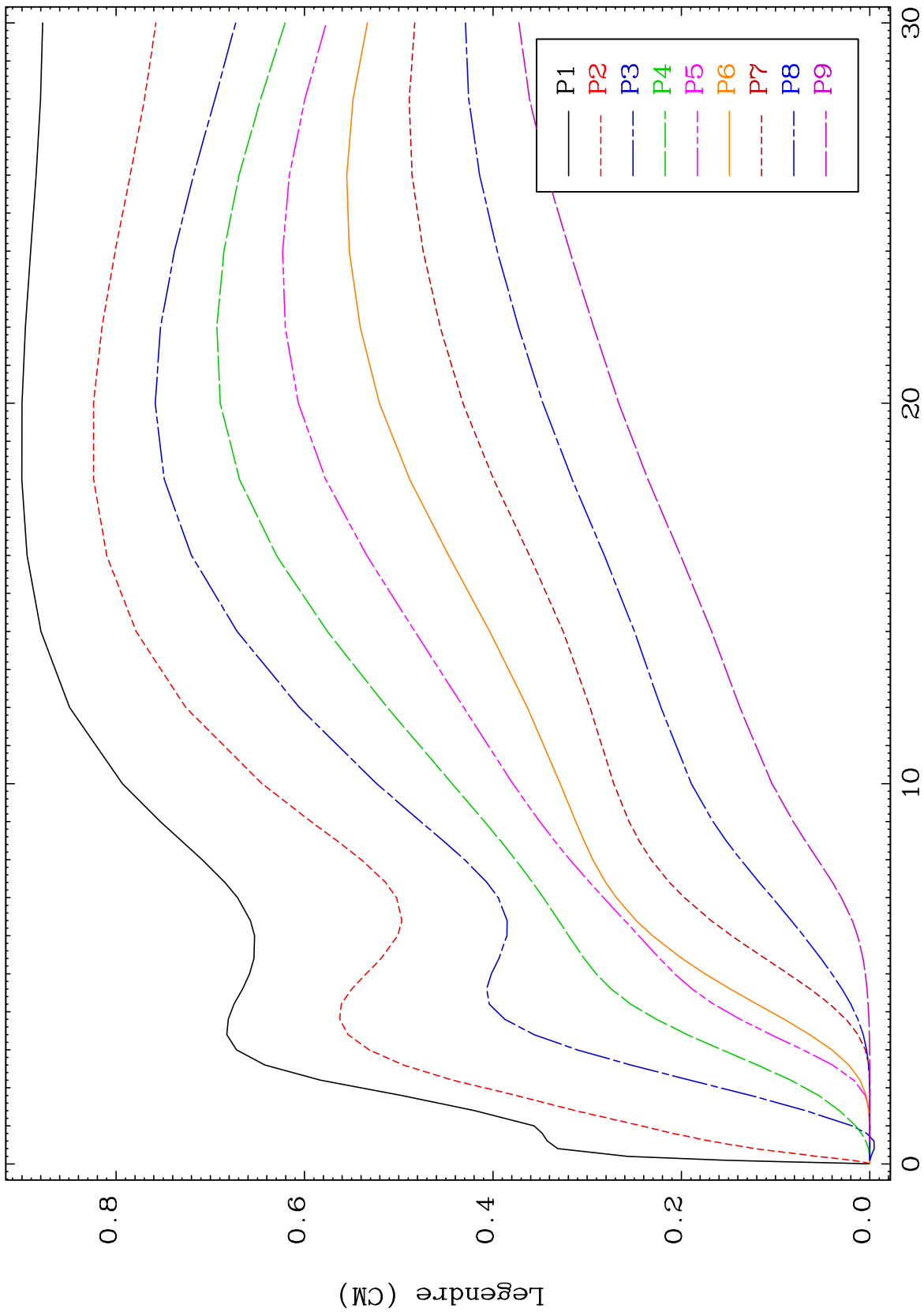
54-Xe-137



MAT 5464

Elastic Legendre Coefficients

54-Xe-137



15

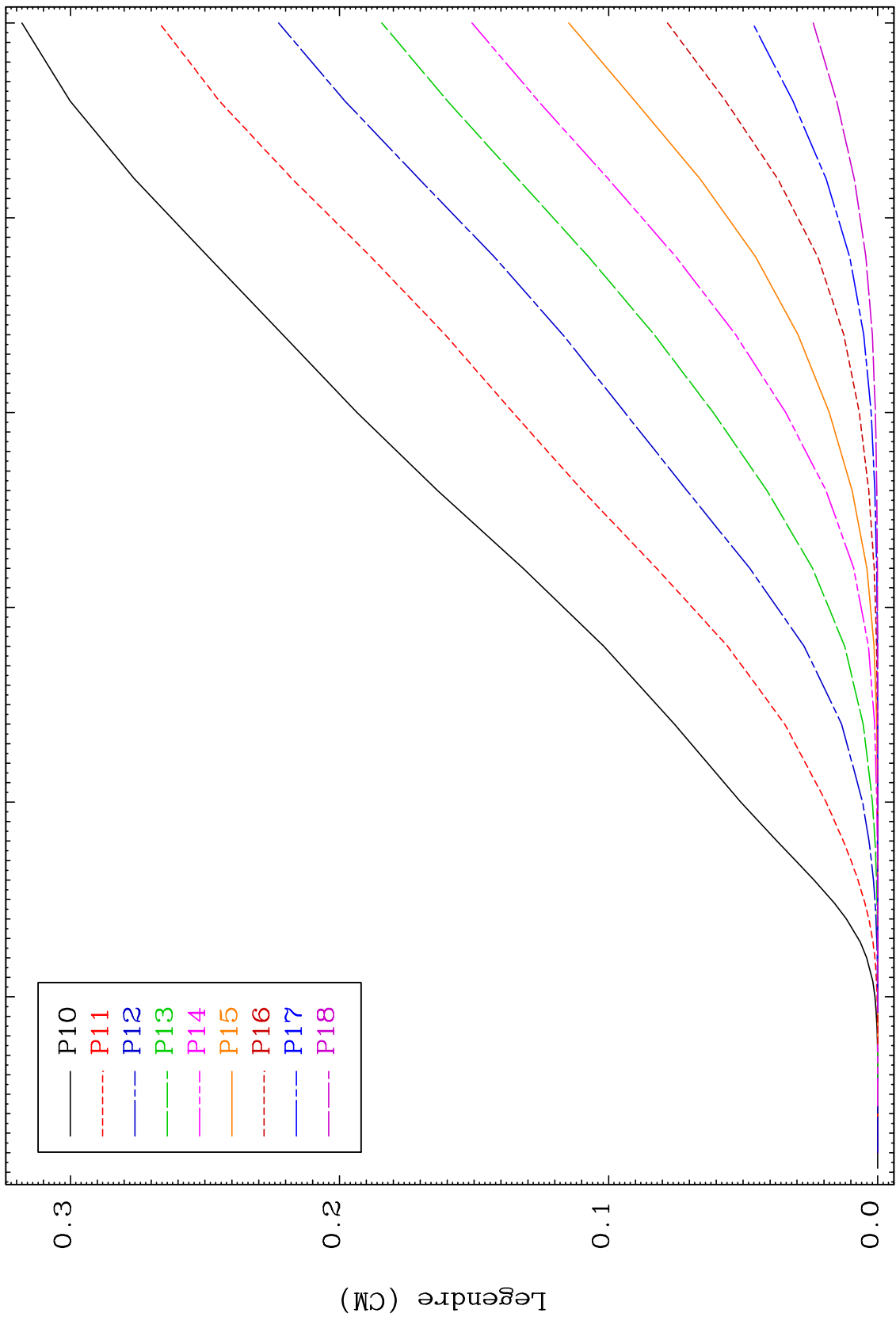
Incident Energy (MeV)

54-Xe-137

MAT 5464

Elastic Legendre Coefficients

54-Xe-137



16

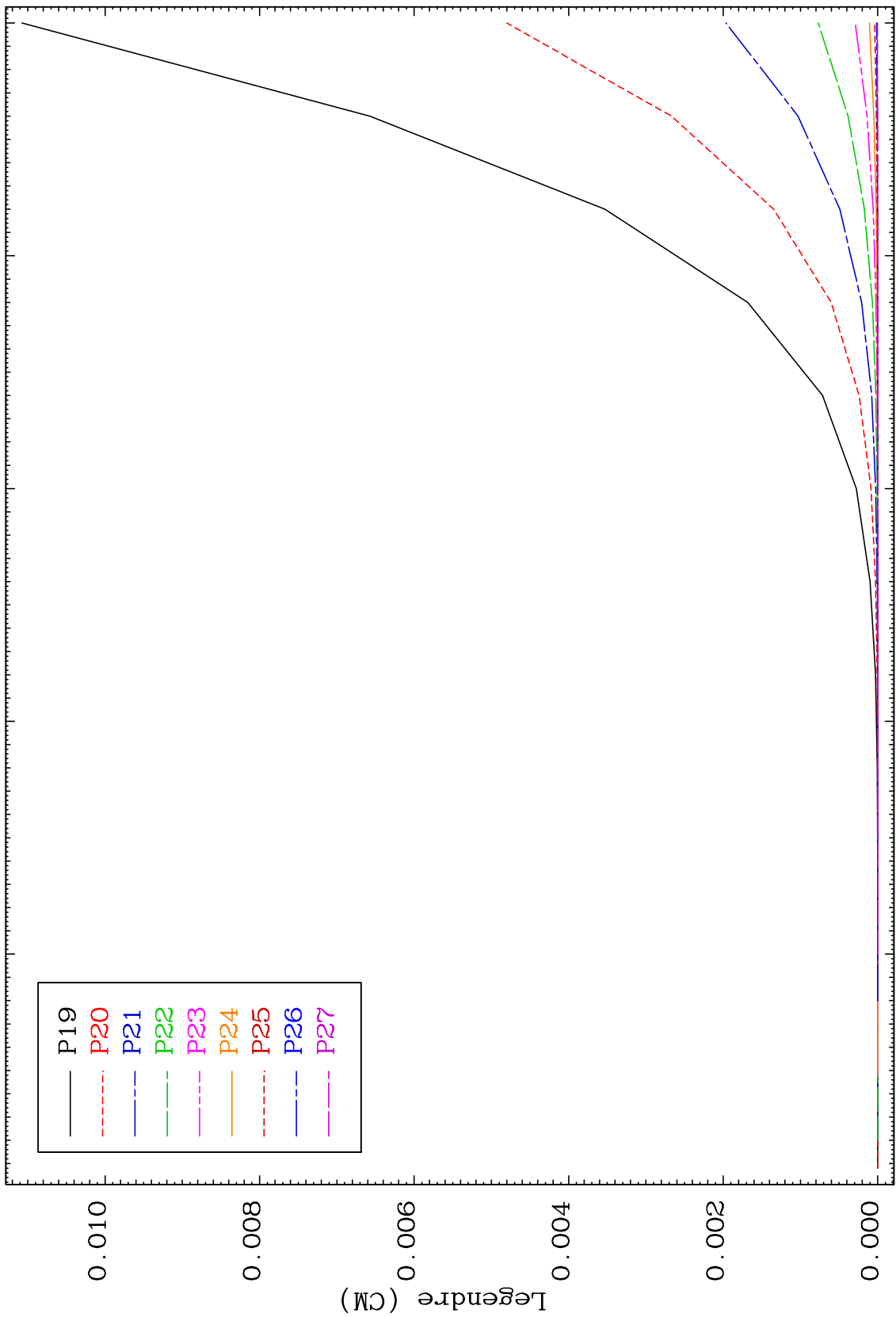
Incident Energy (MeV)

54-Xe-137

MAT 5464

### Elastic Legendre Coefficients

54-Xe-137



17

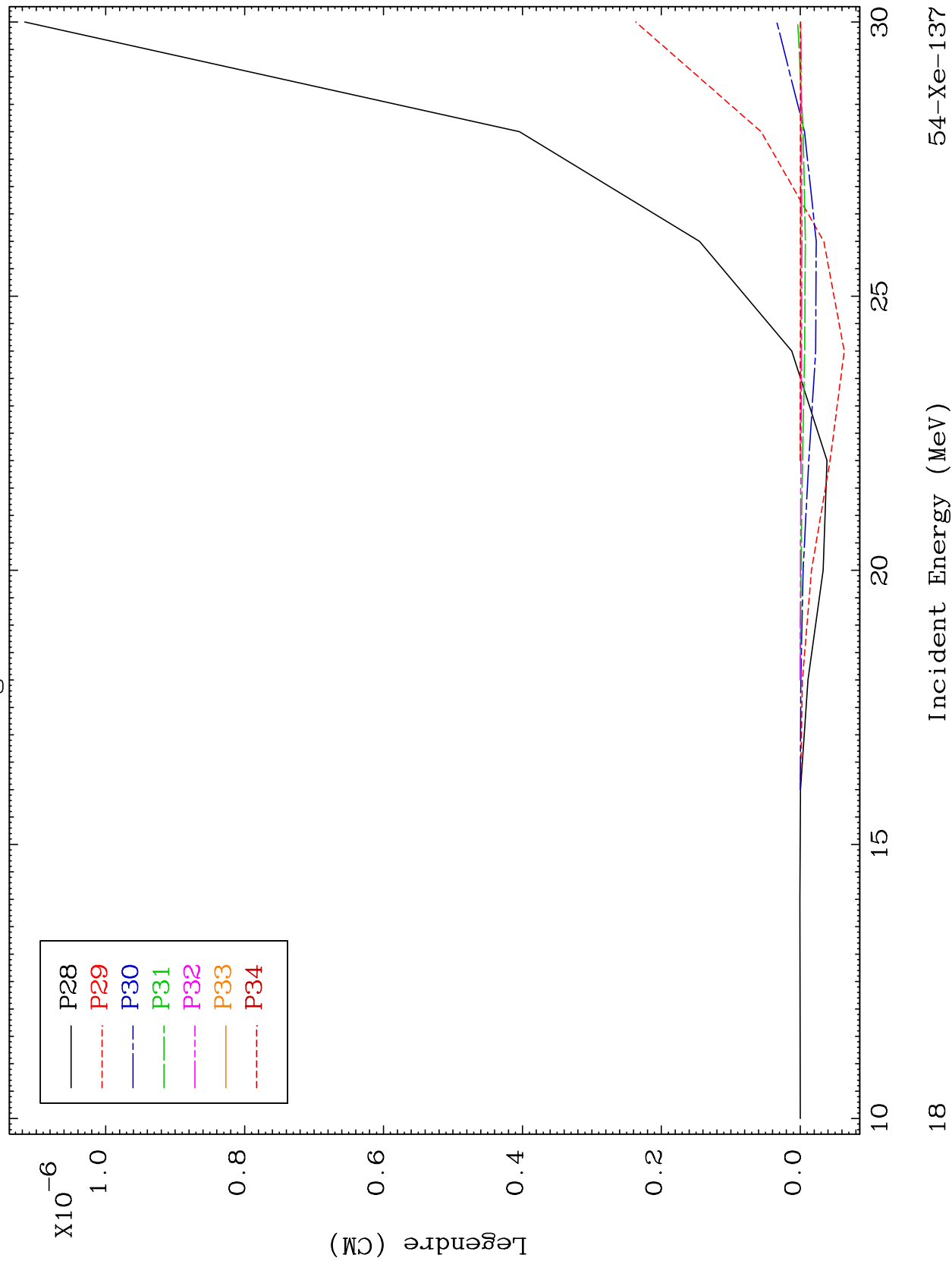
54-Xe-137

Incident Energy (MeV)

MAT 5464

Elastic Legendre Coefficients

54-Xe-137



54-Xe-137

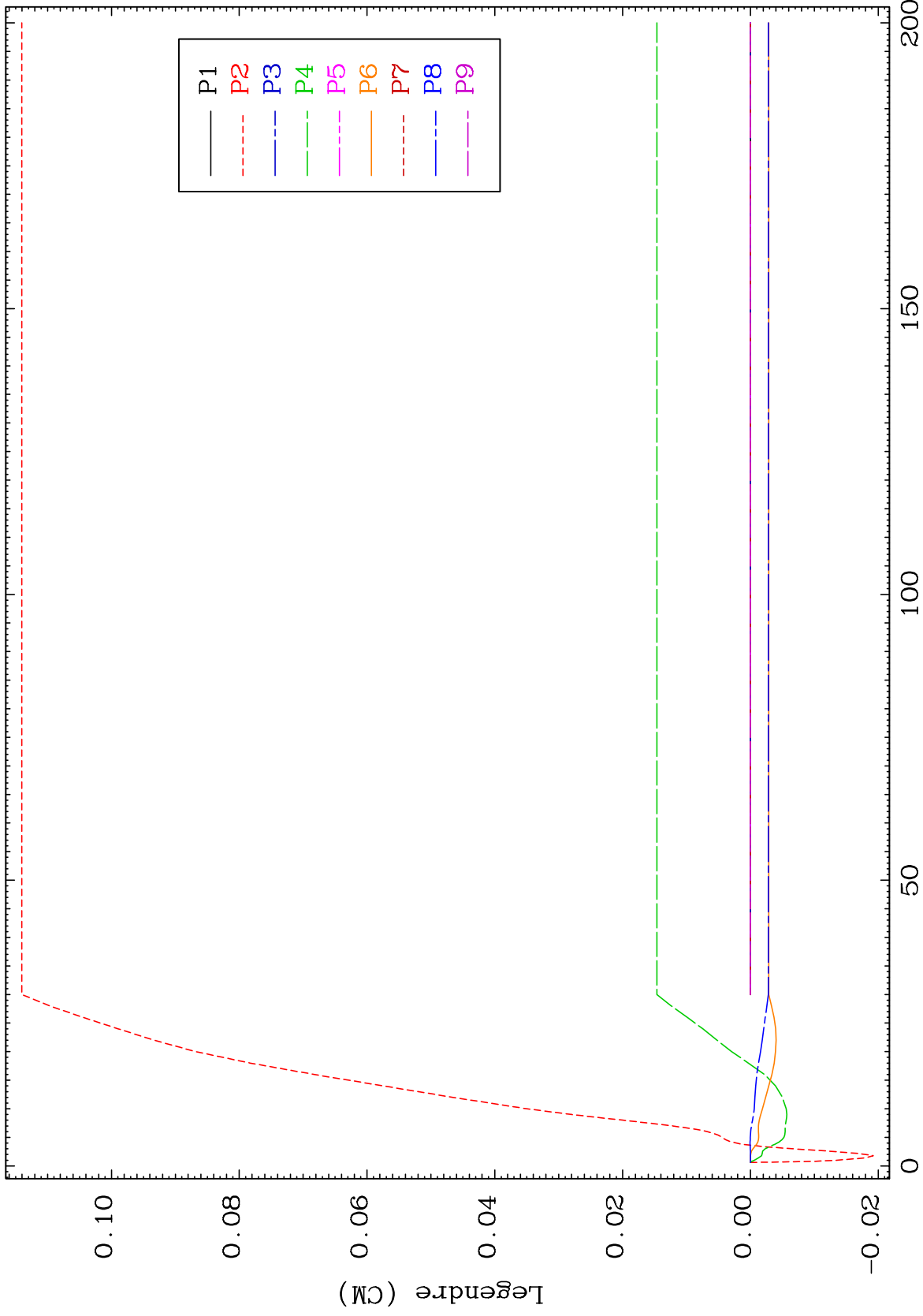
Incident Energy (MeV)

18

MAT 5464

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

54-Xe-137



19

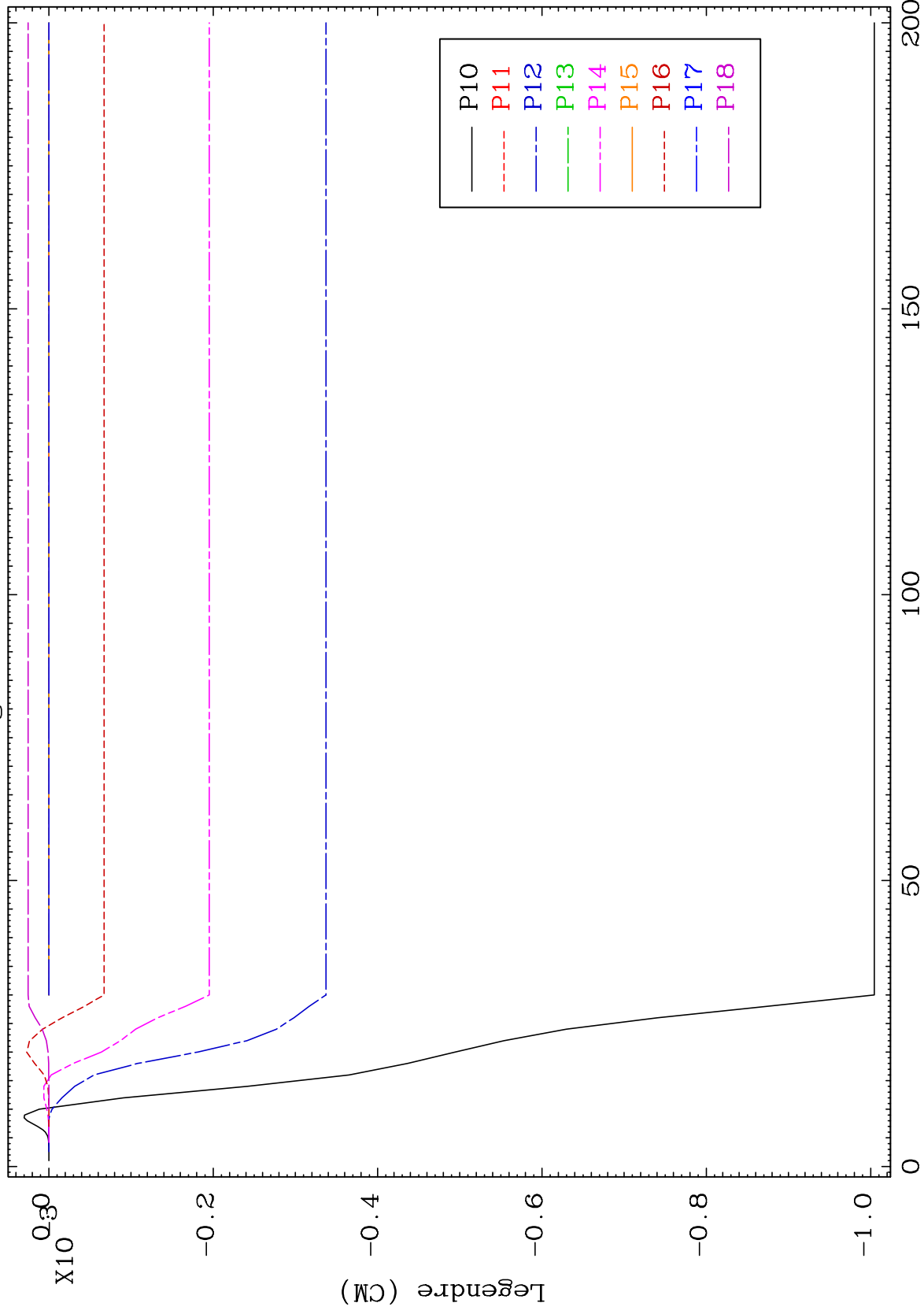
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

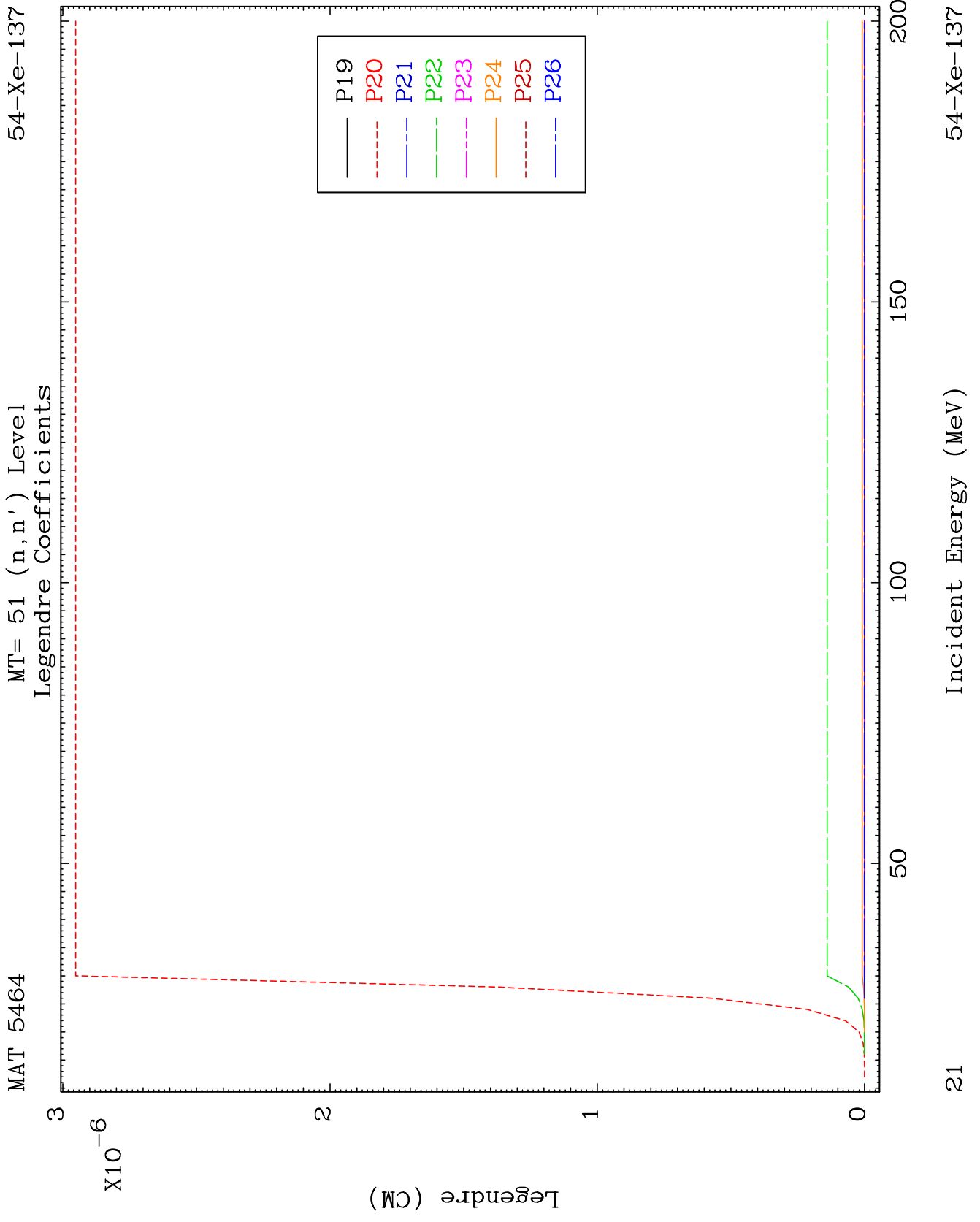
54-Xe-137



54-Xe-137

Incident Energy (MeV)

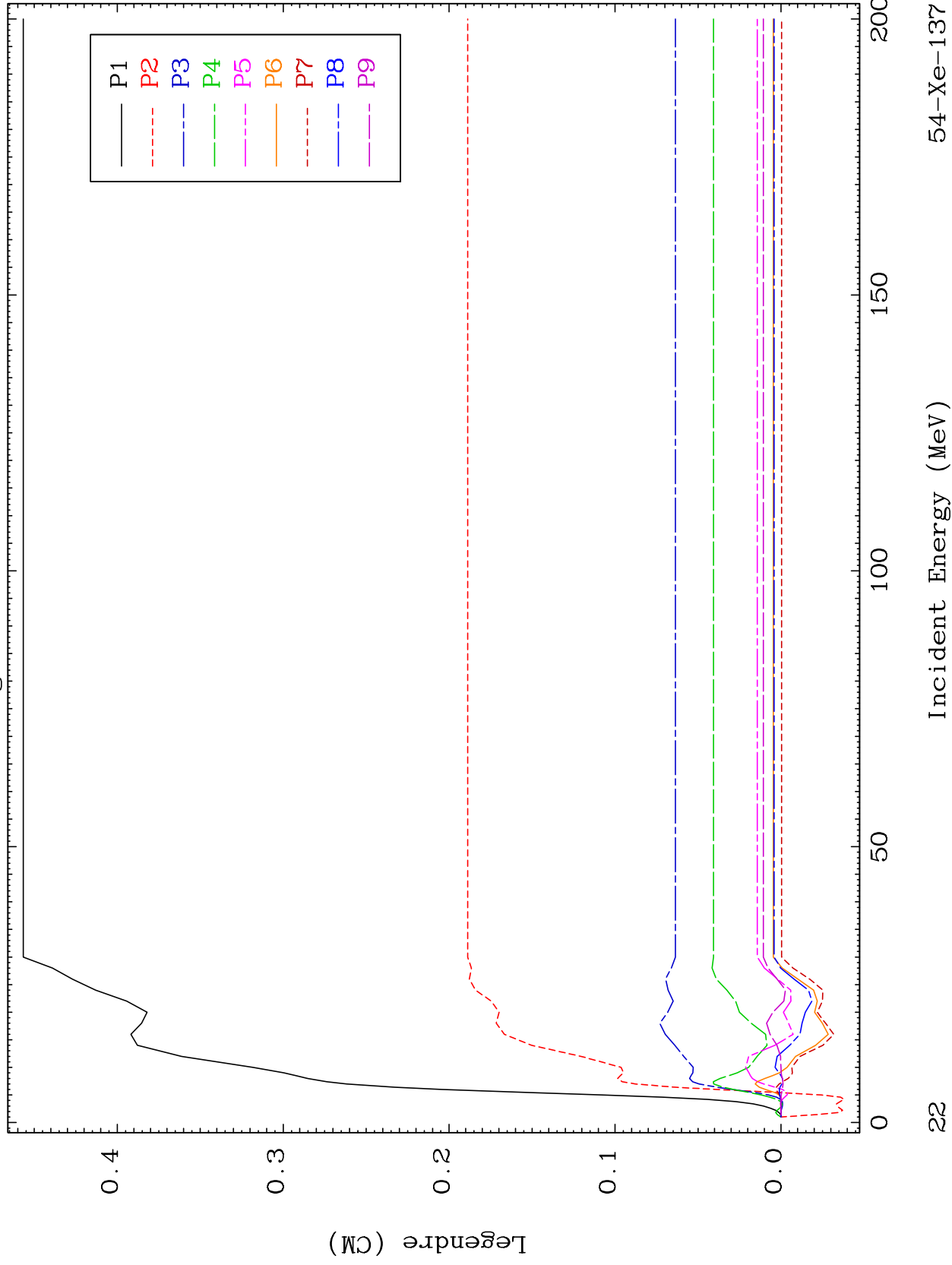
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MAT 5464

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

54-Xe-137



54-Xe-137

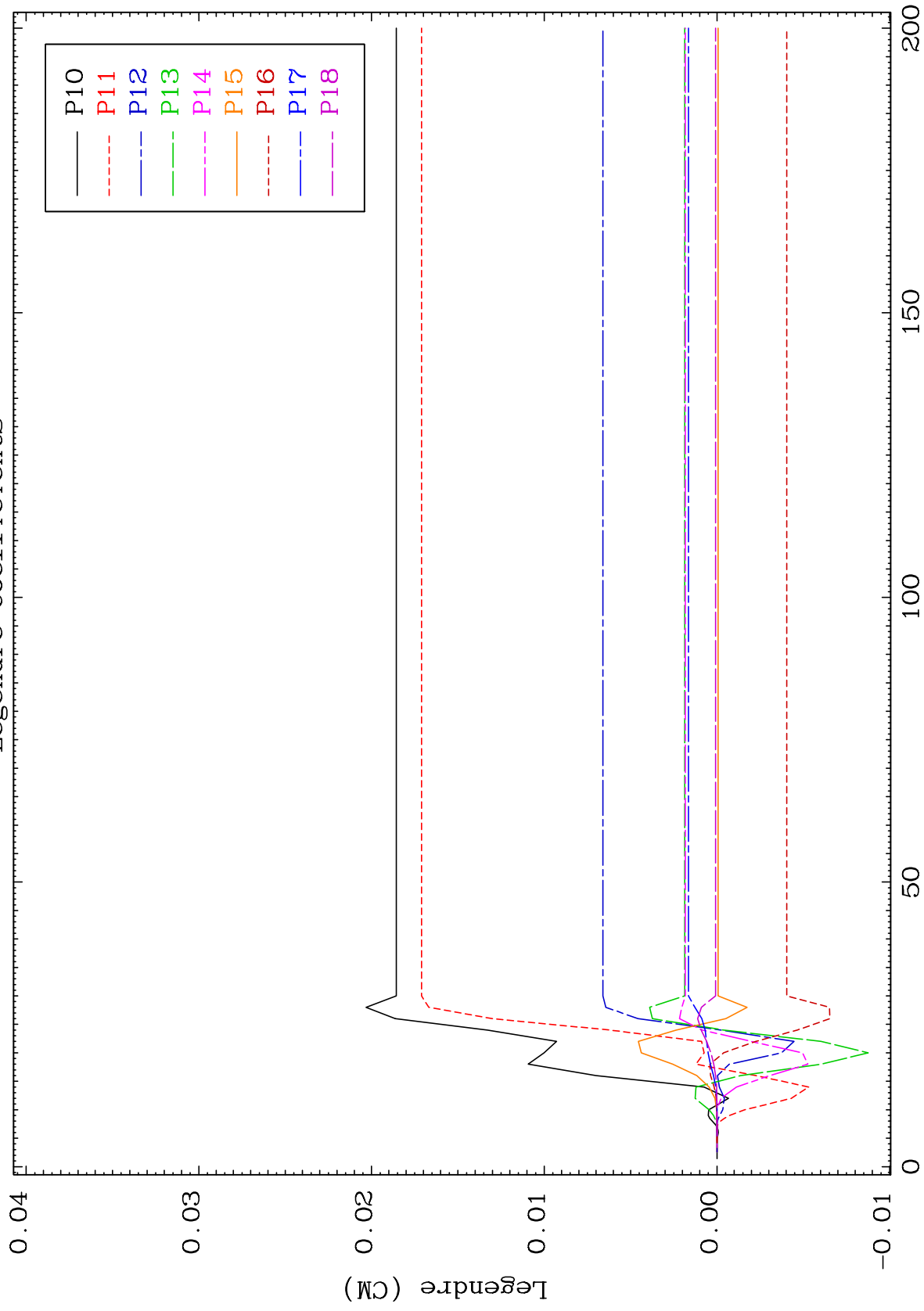
Incident Energy (MeV)

22

MAT 5464

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

54-Xe-137



23

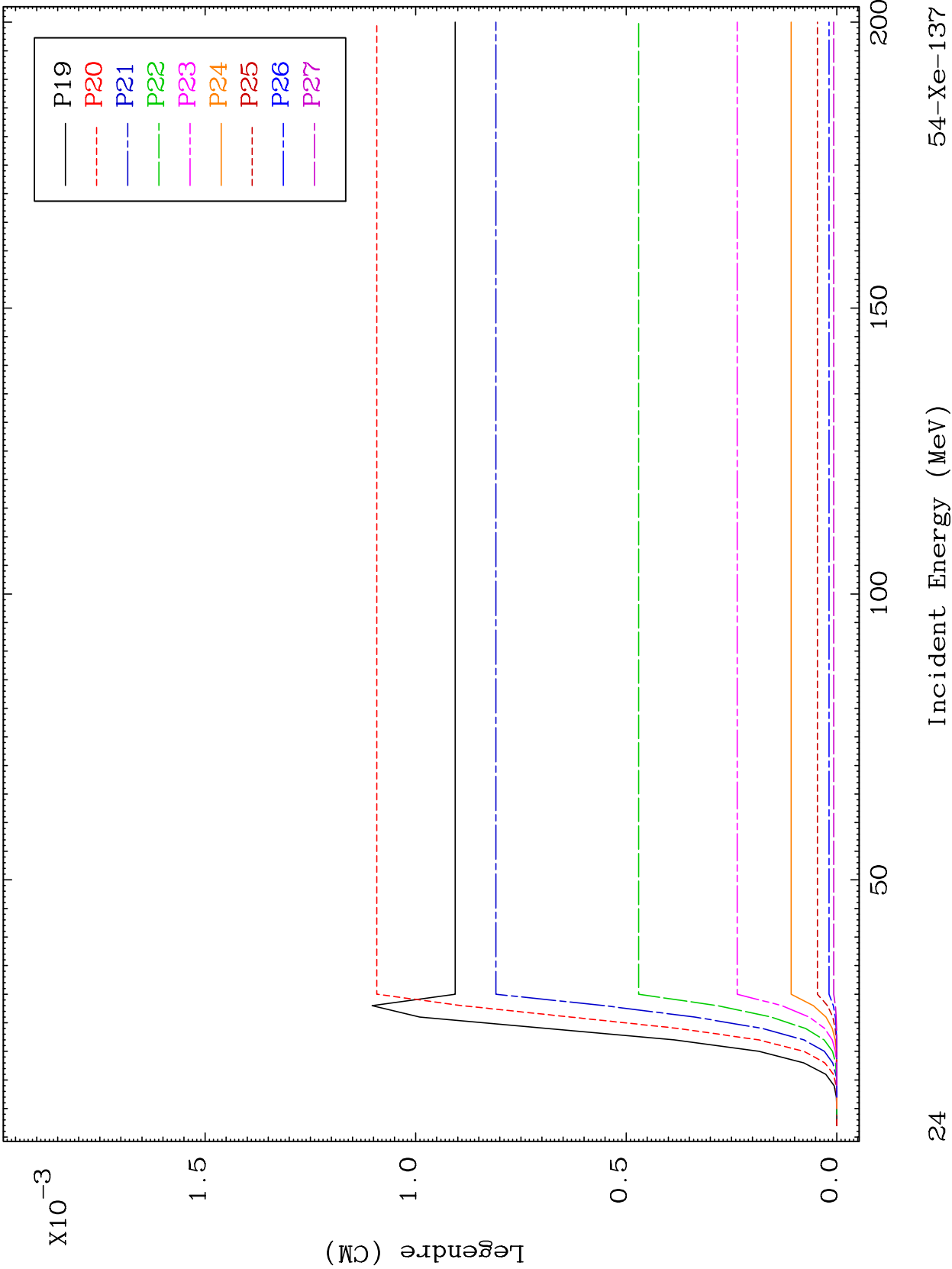
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



24

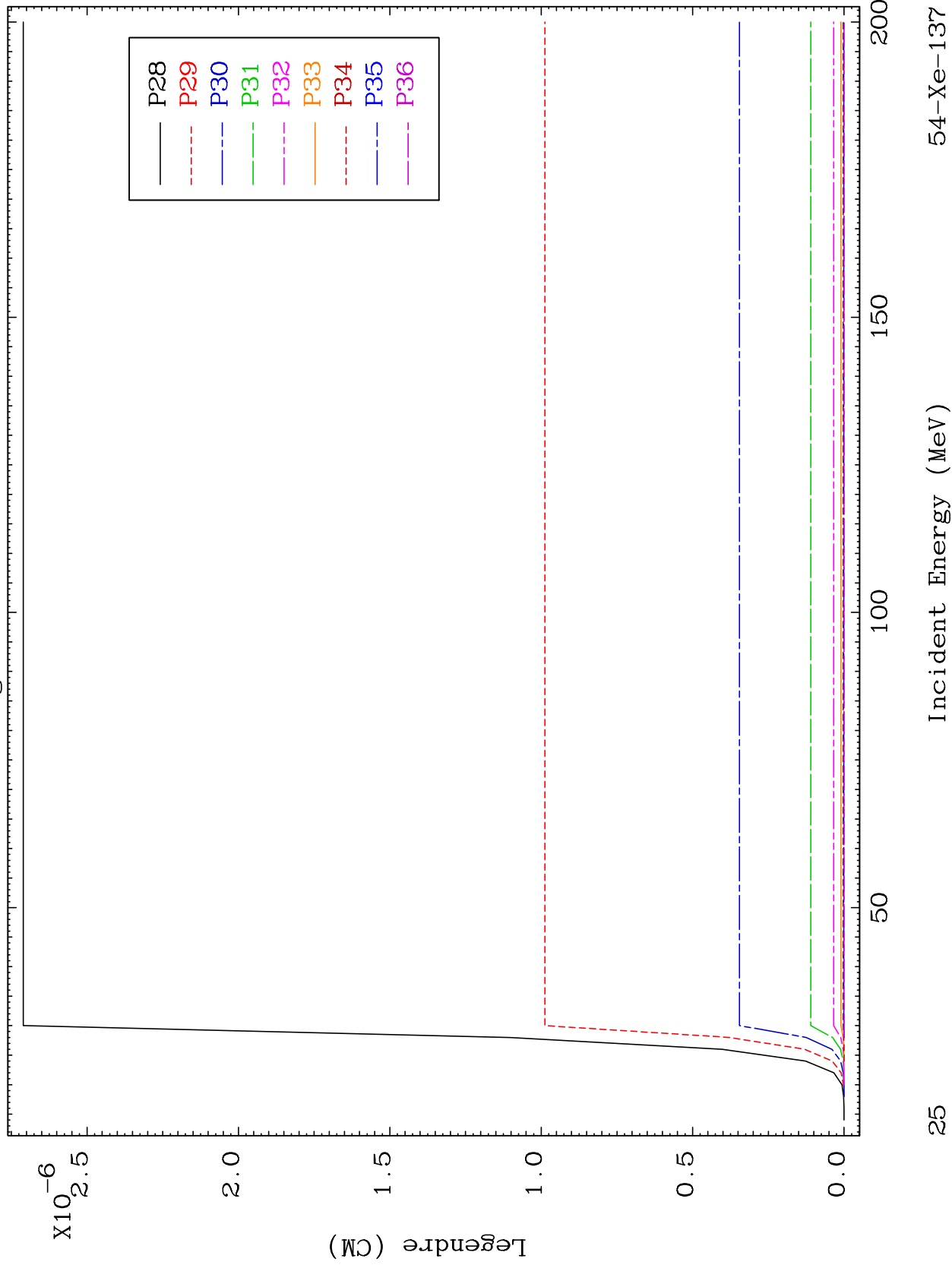
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



25

Incident Energy (MeV)

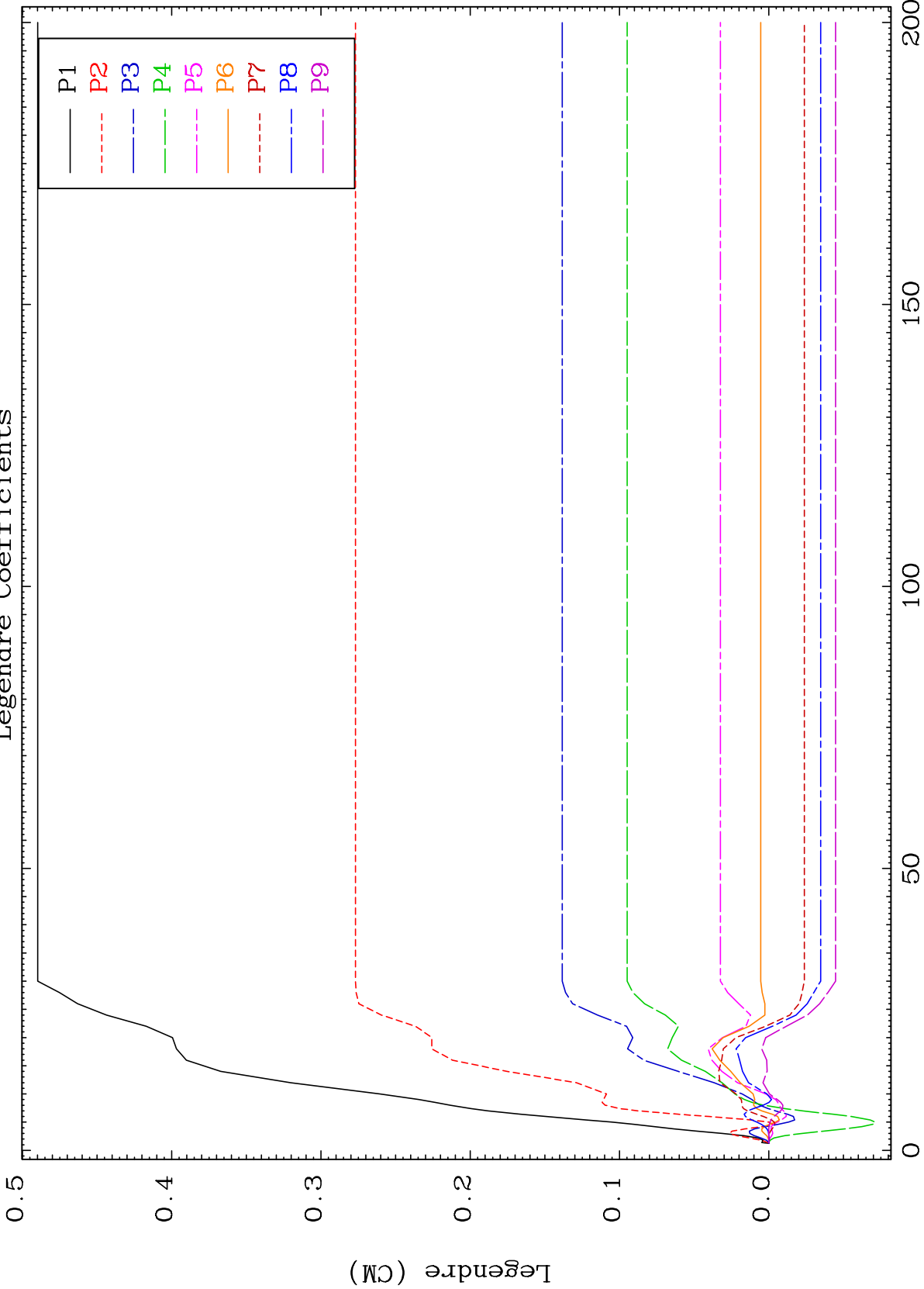
54-Xe-137

MAT 5464

MT= 53 (n,n') Level

54-Xe-137

Legendre Coefficients



26

Incident Energy (MeV)

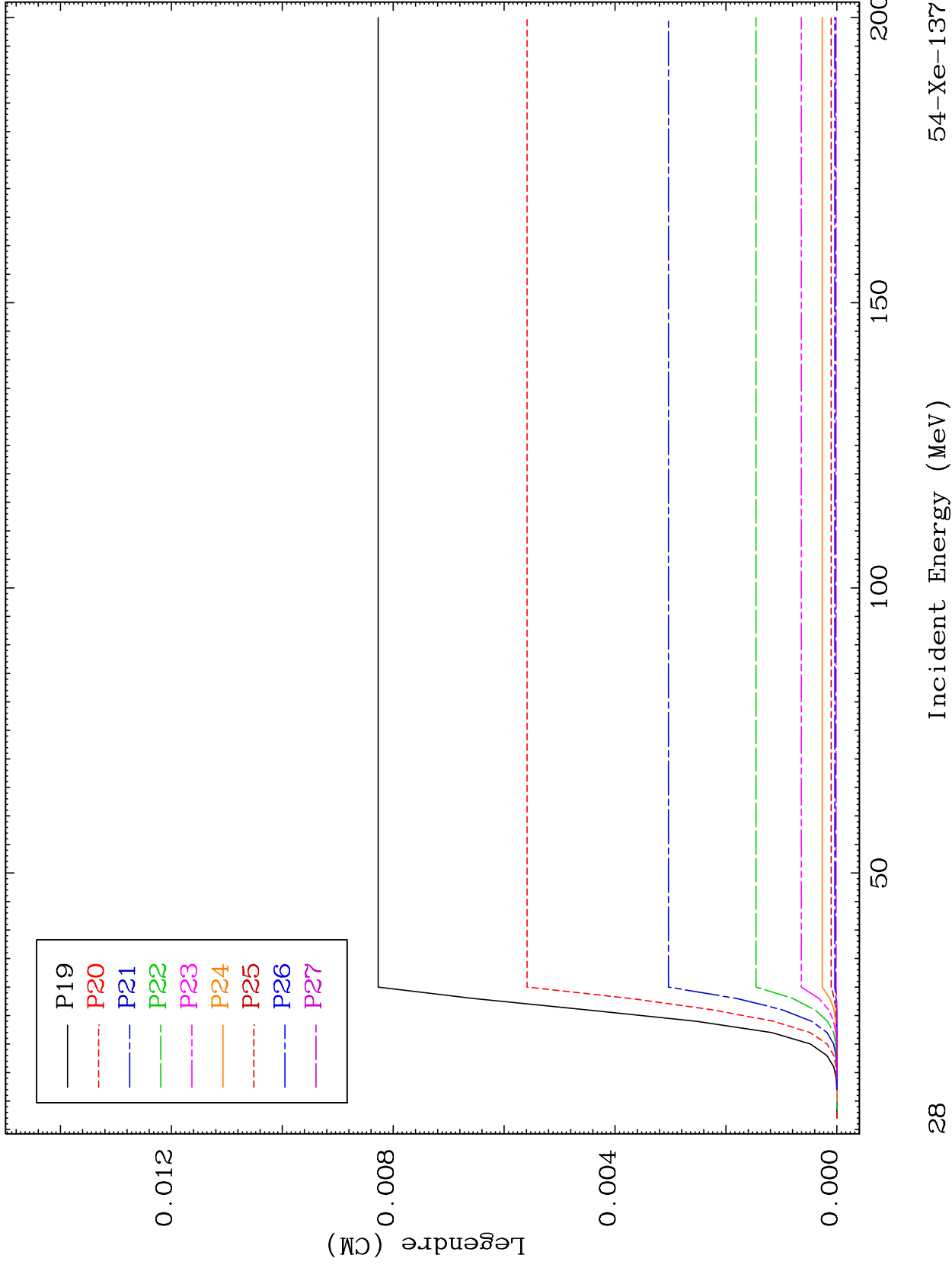
54-Xe-137



MAT 5464

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

54-Xe-137



28

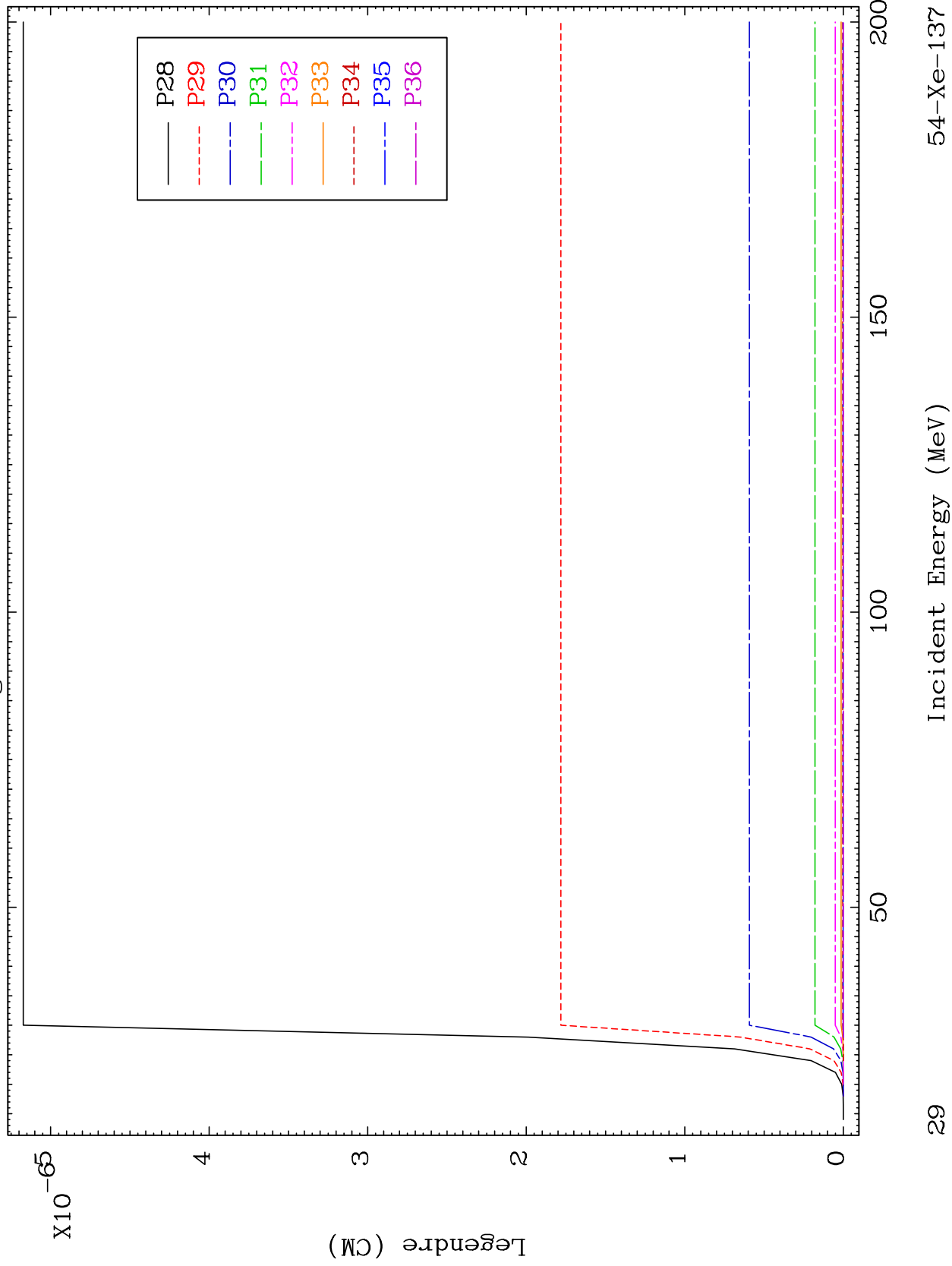
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137

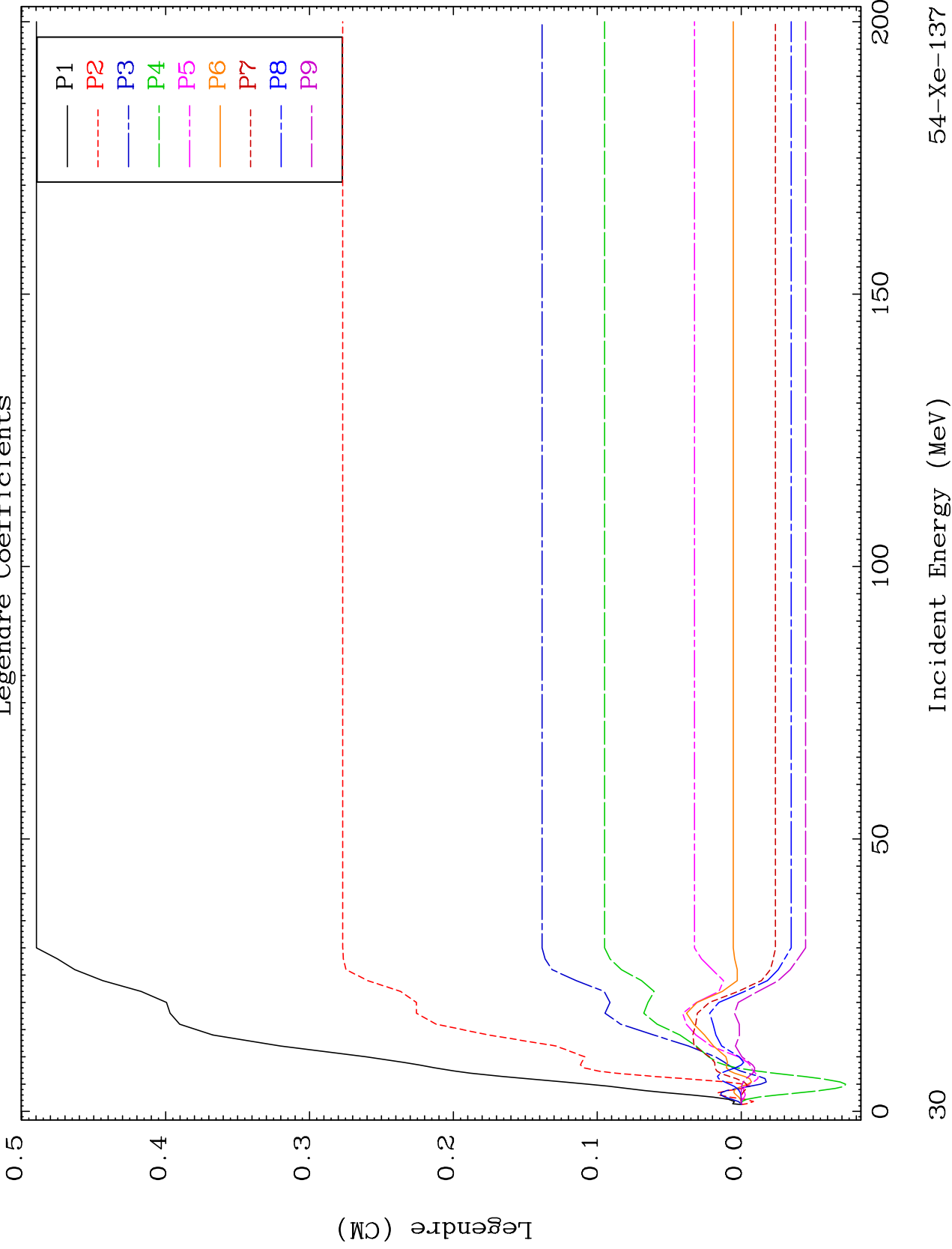


MAT 5464

MT= 54 (n,n') Level

54-Xe-137

Legendre Coefficients



54-Xe-137

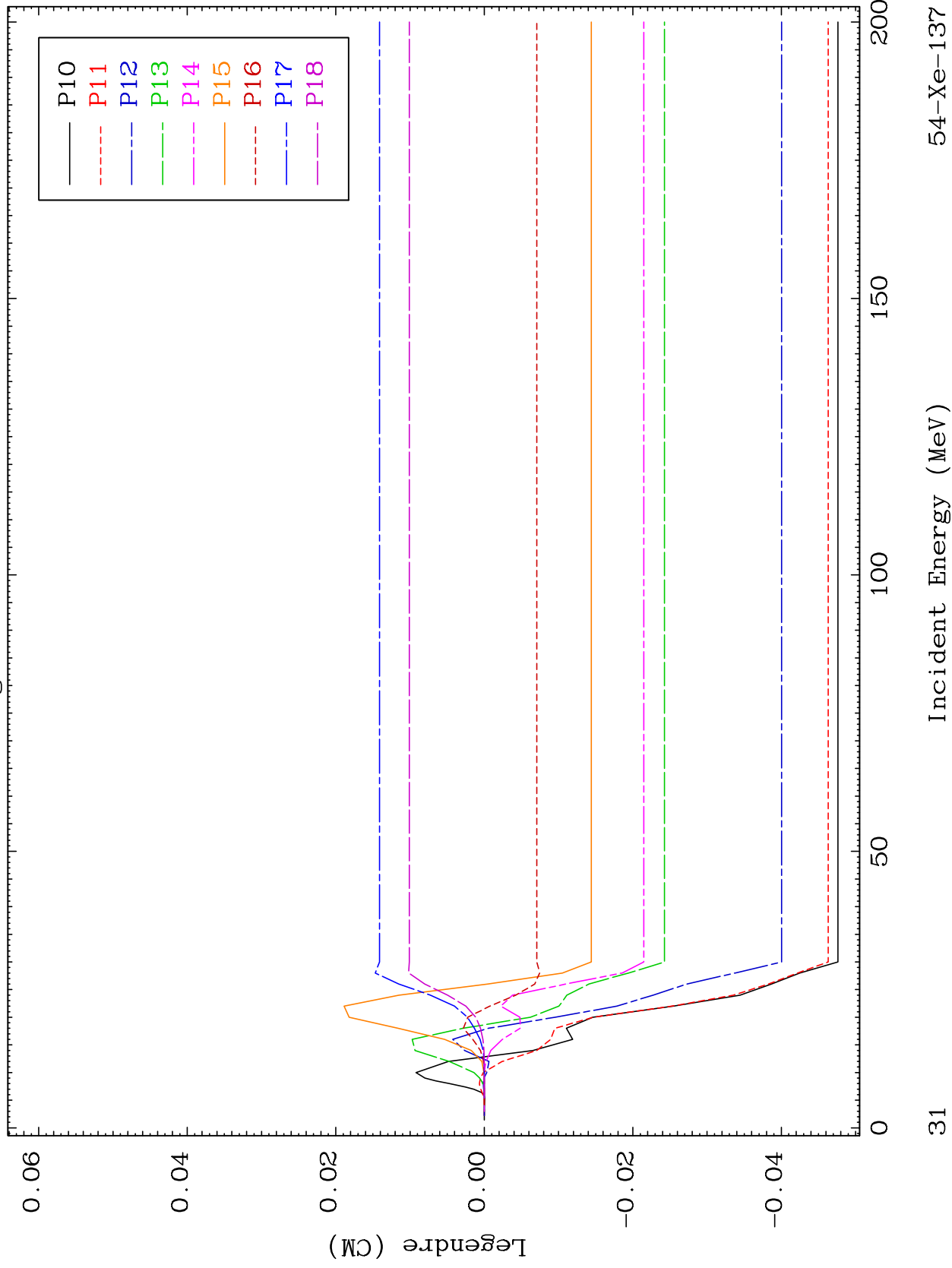
Incident Energy (MeV)

30

MAT 5464

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

54-Xe-137



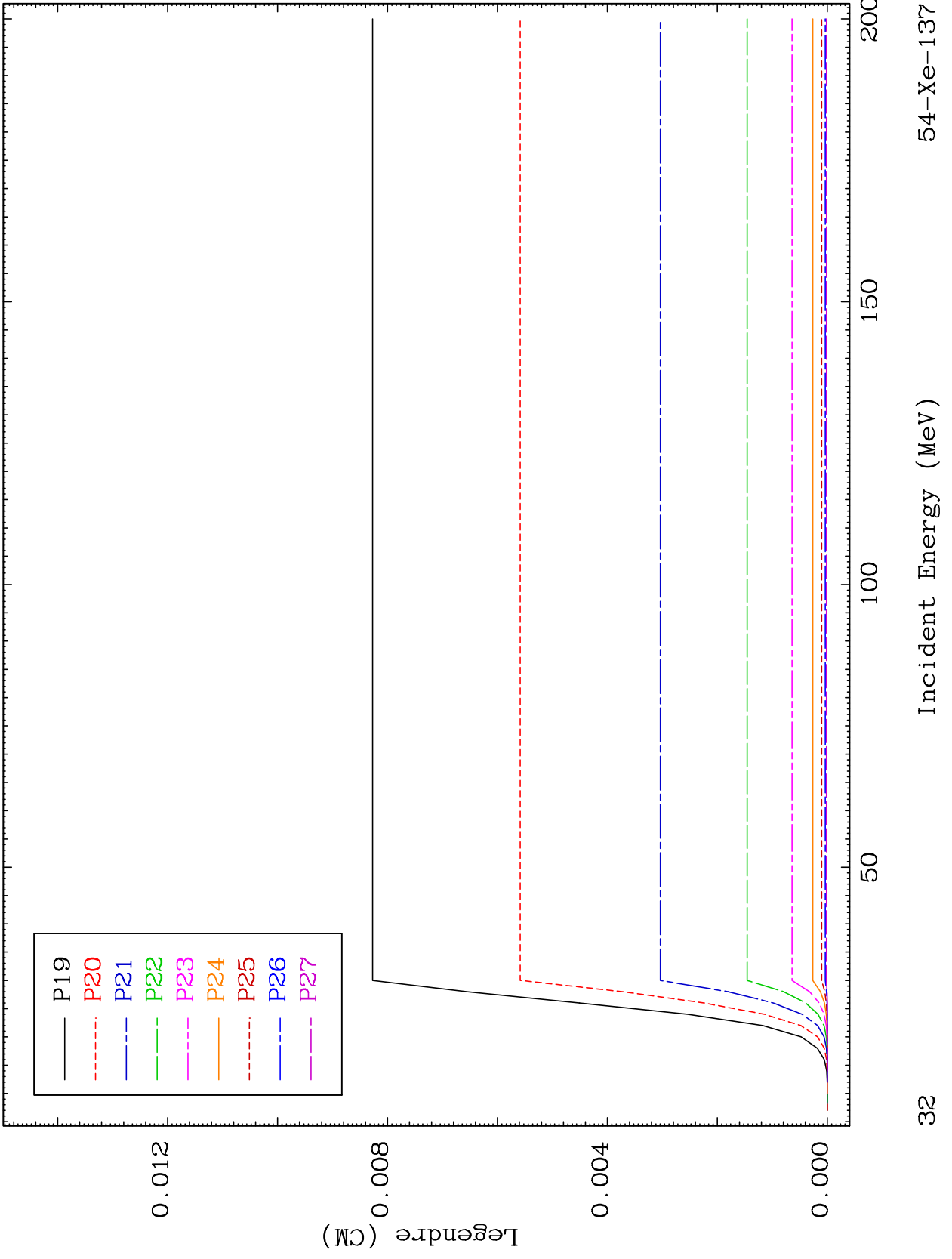
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54-Xe-137

MAT 5464

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

54-Xe-137



32

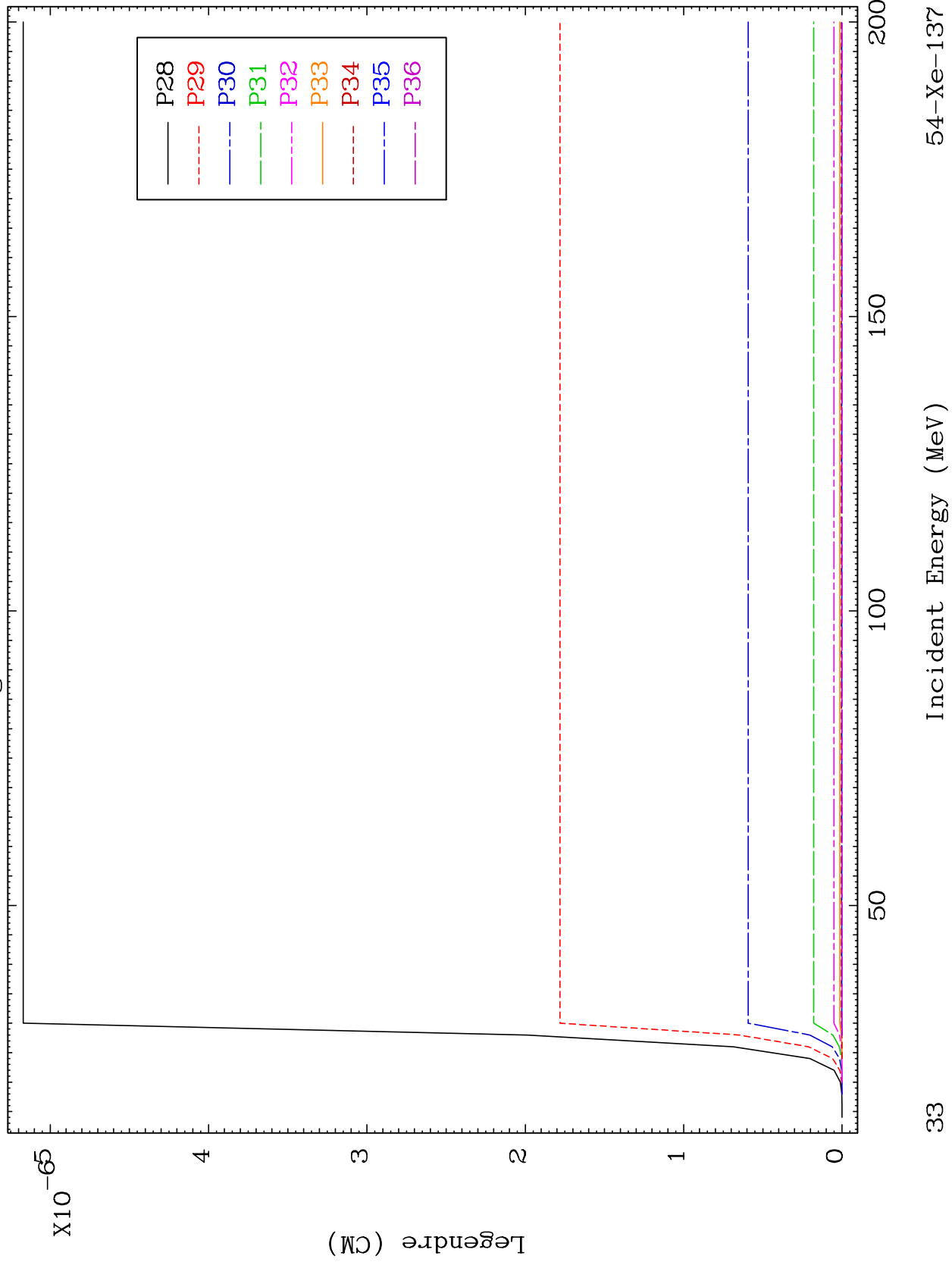
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

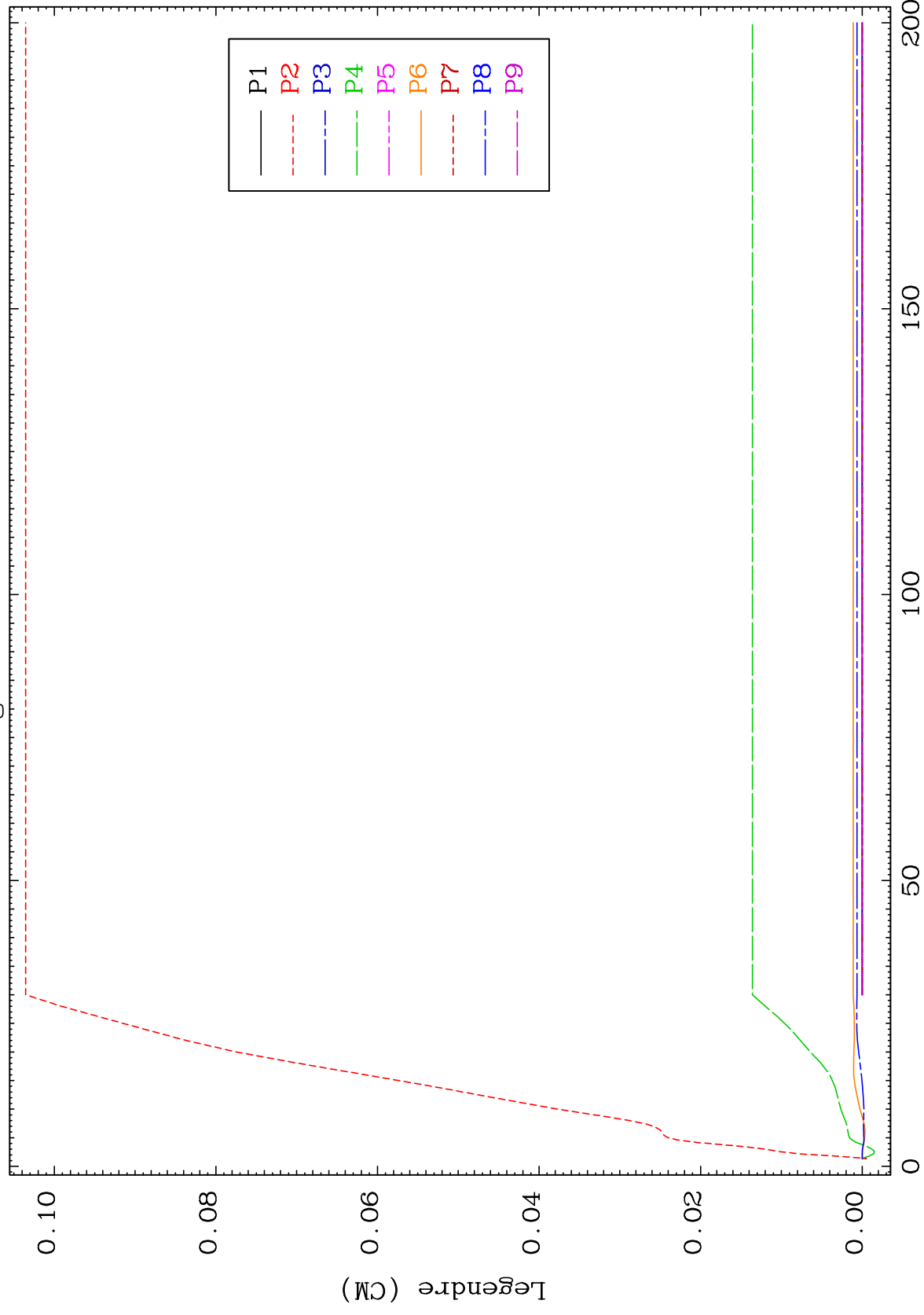
54-Xe-137



MAT 5464

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

54-Xe-137



54-Xe-137

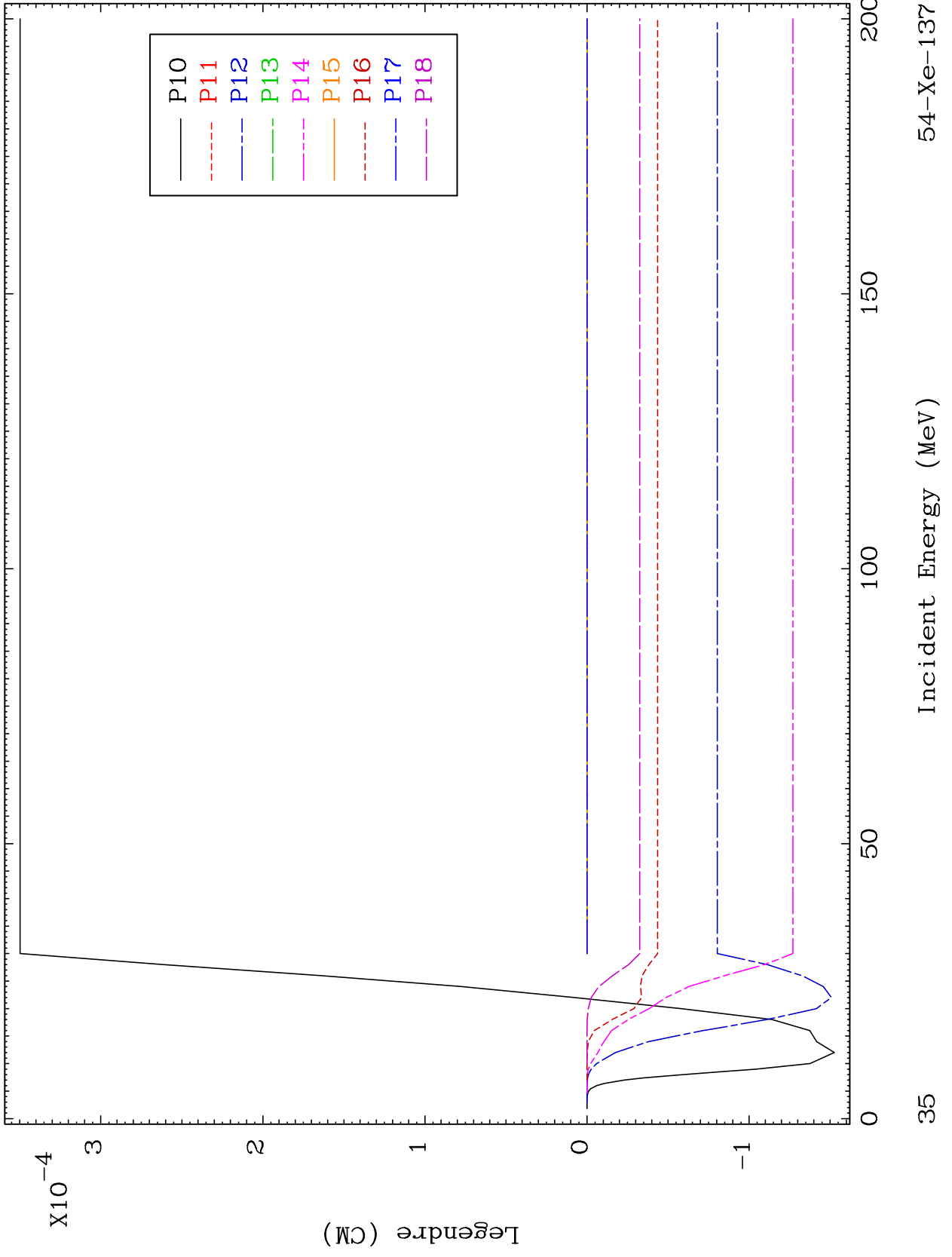
Incident Energy (MeV)

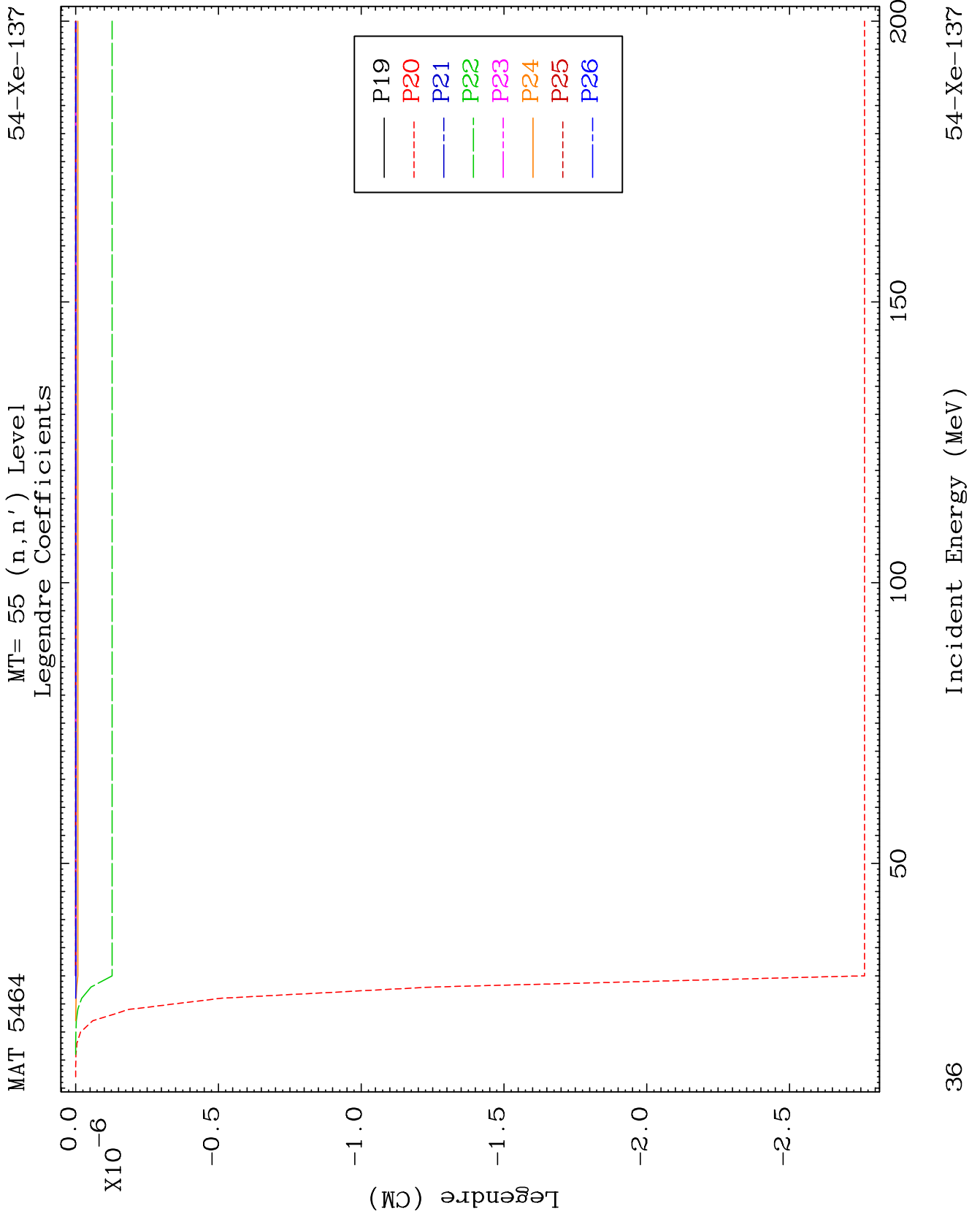
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MAT 5464

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

54-Xe-137

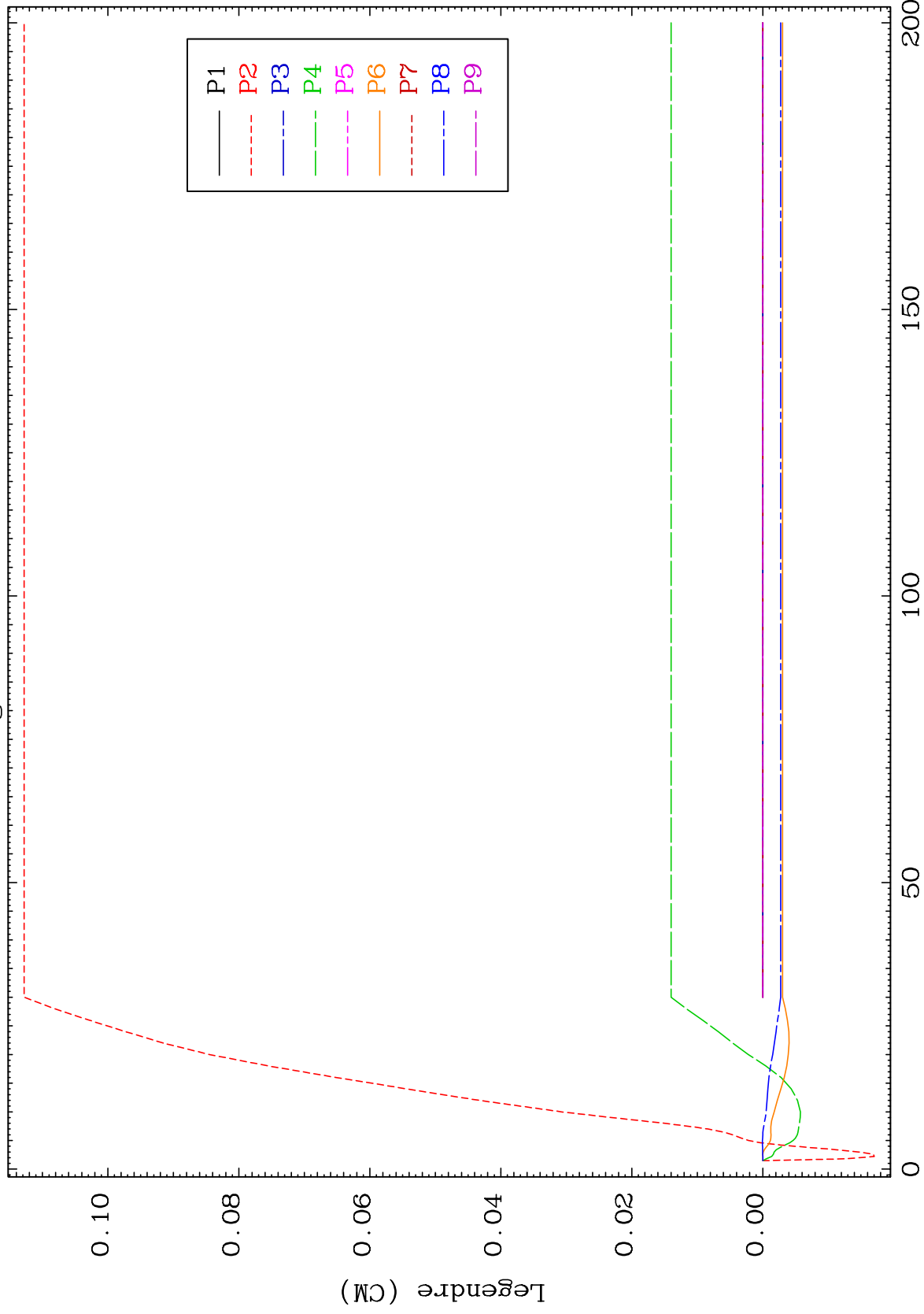




MAT 5464

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

54-Xe-137



37

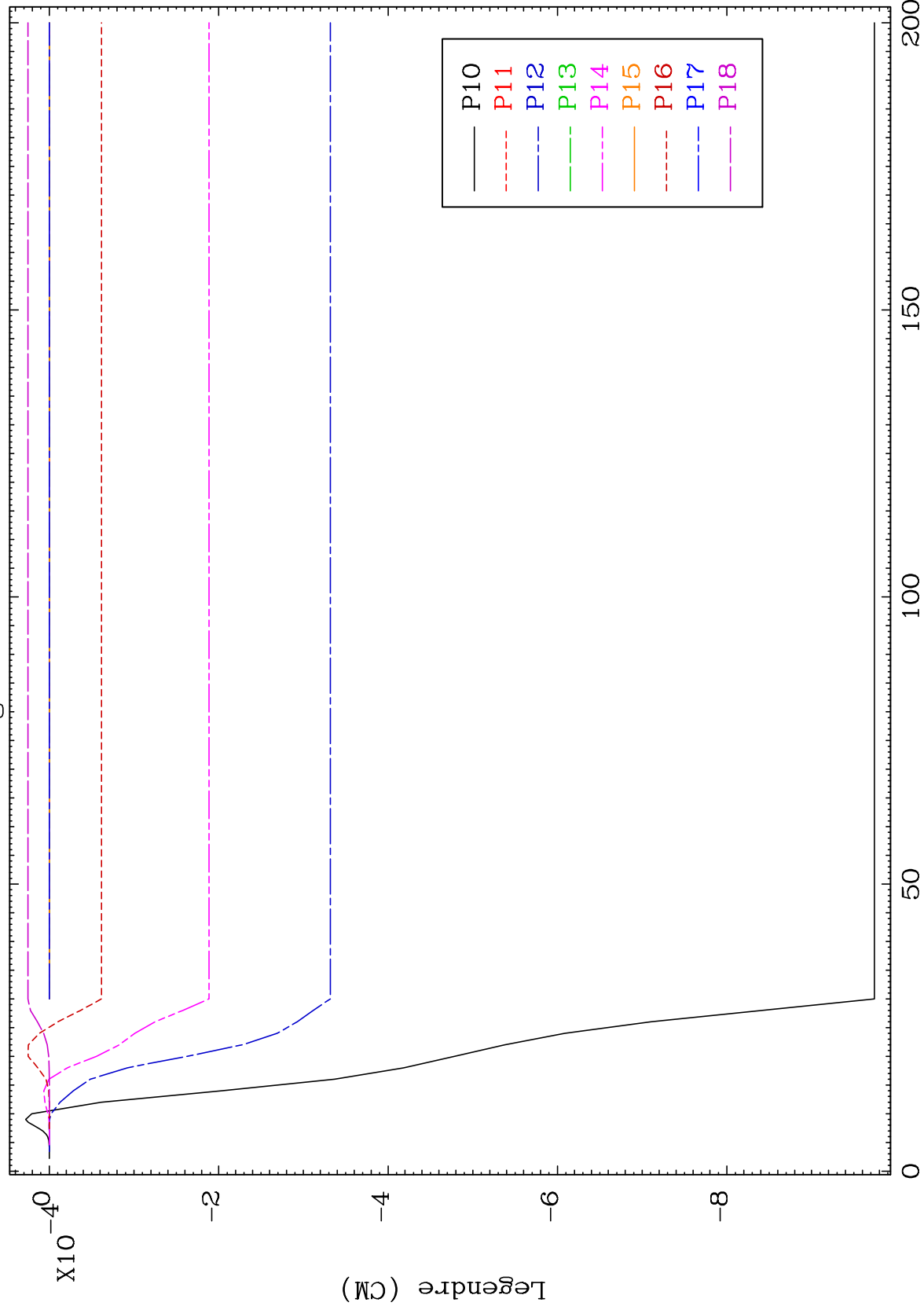
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



38

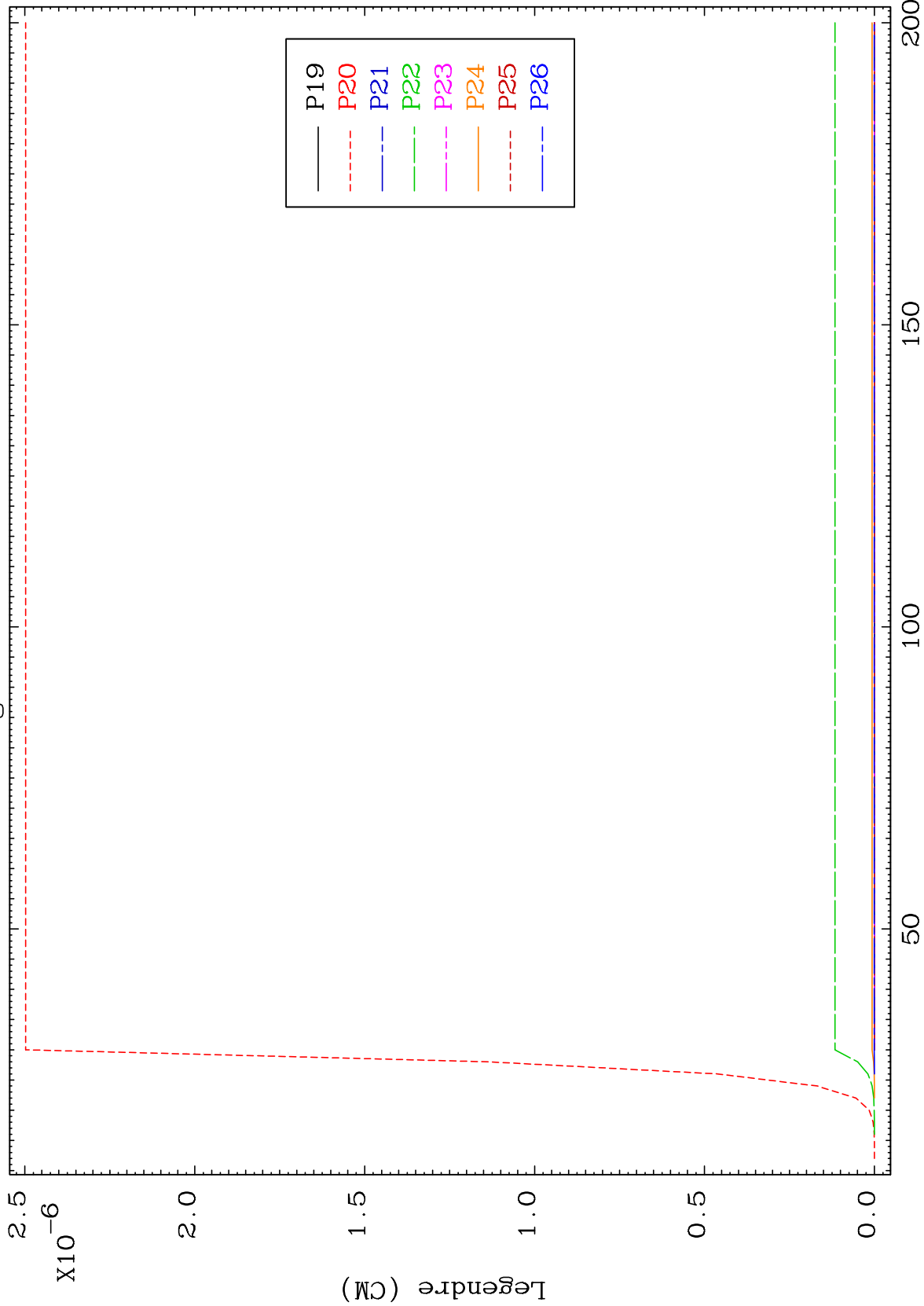
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



54-Xe-137

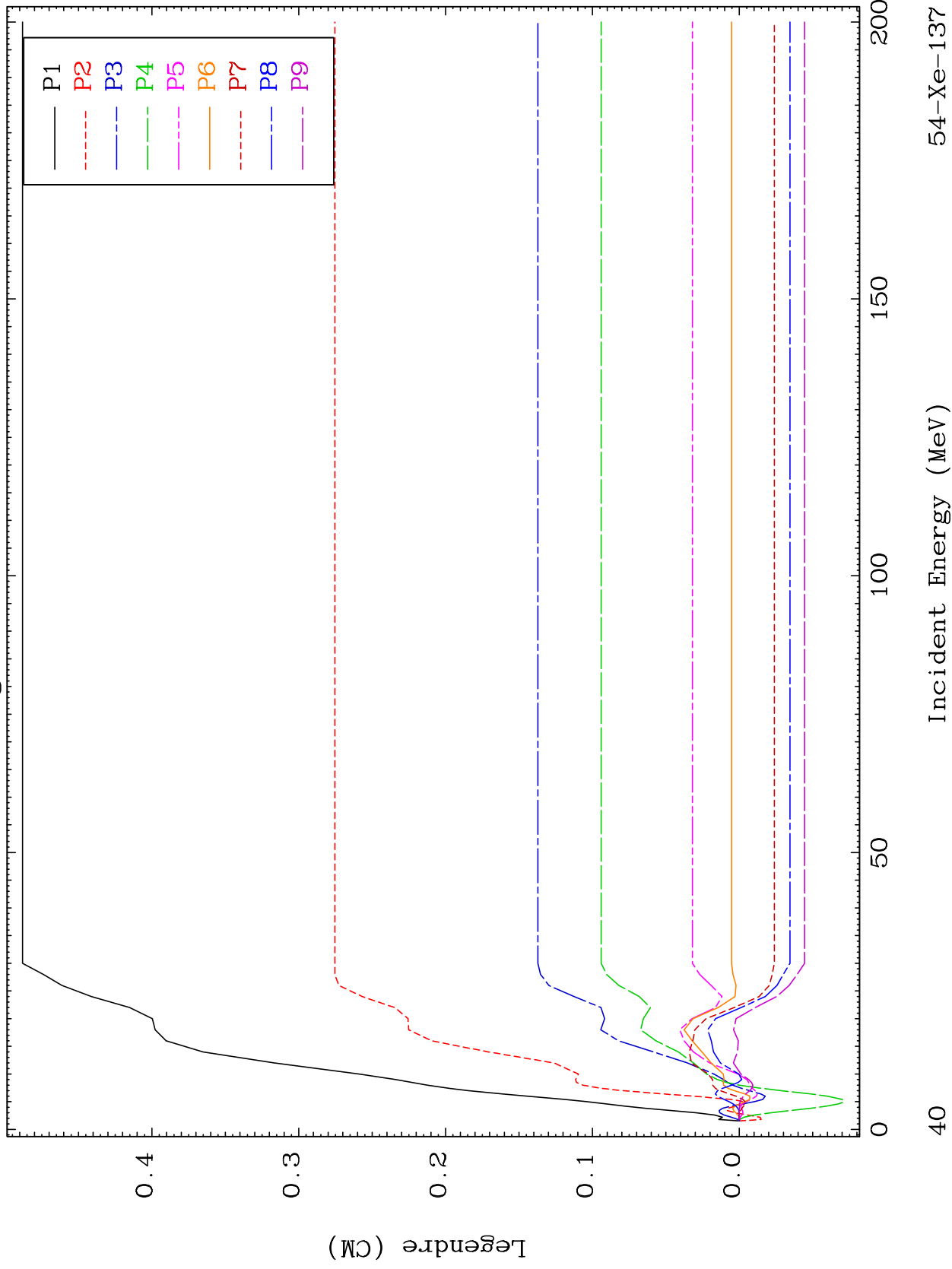
Incident Energy (MeV)

39

MAT 5464

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

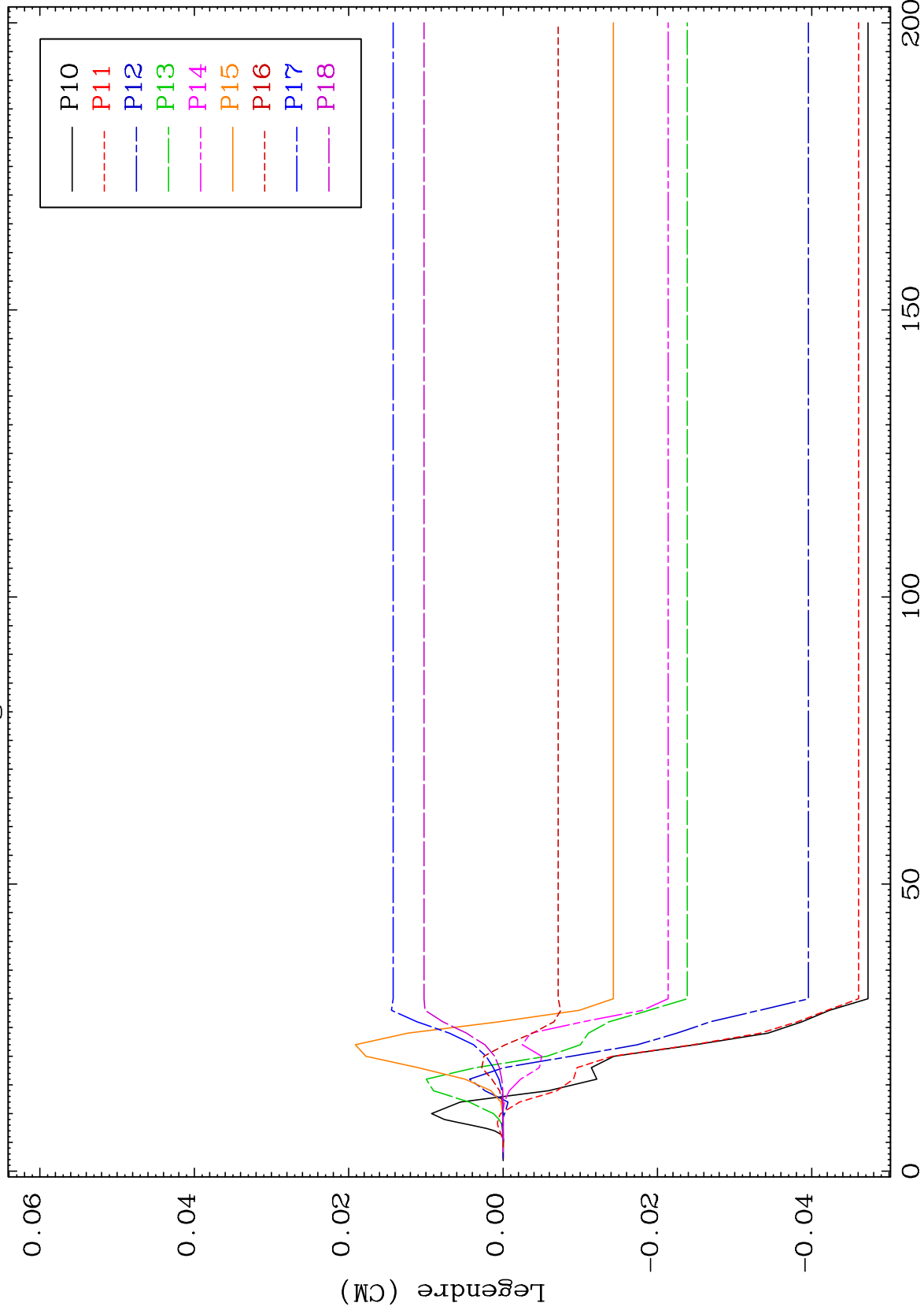
54-Xe-137



MAT 5464

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

54-Xe-137



41

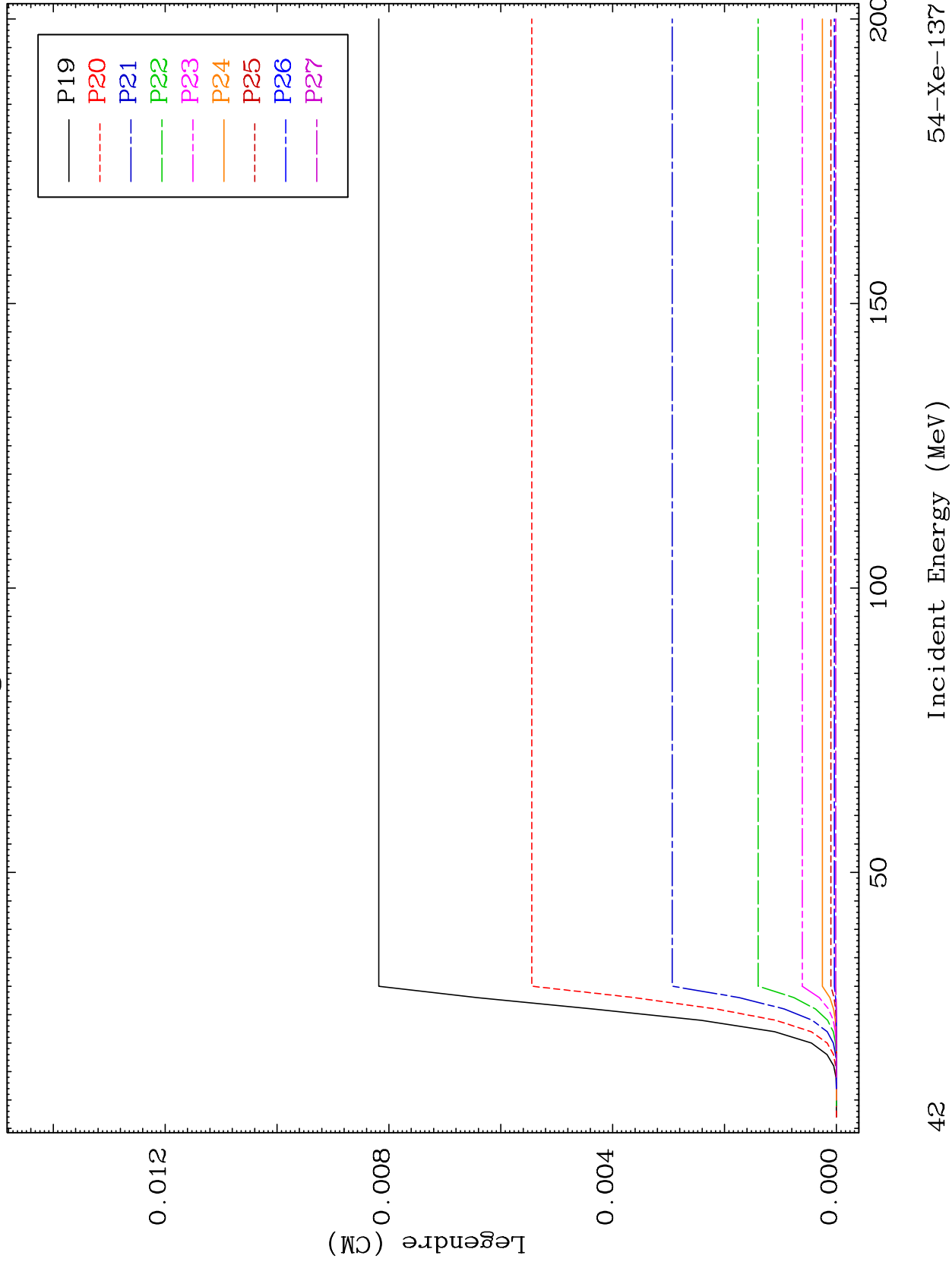
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



42

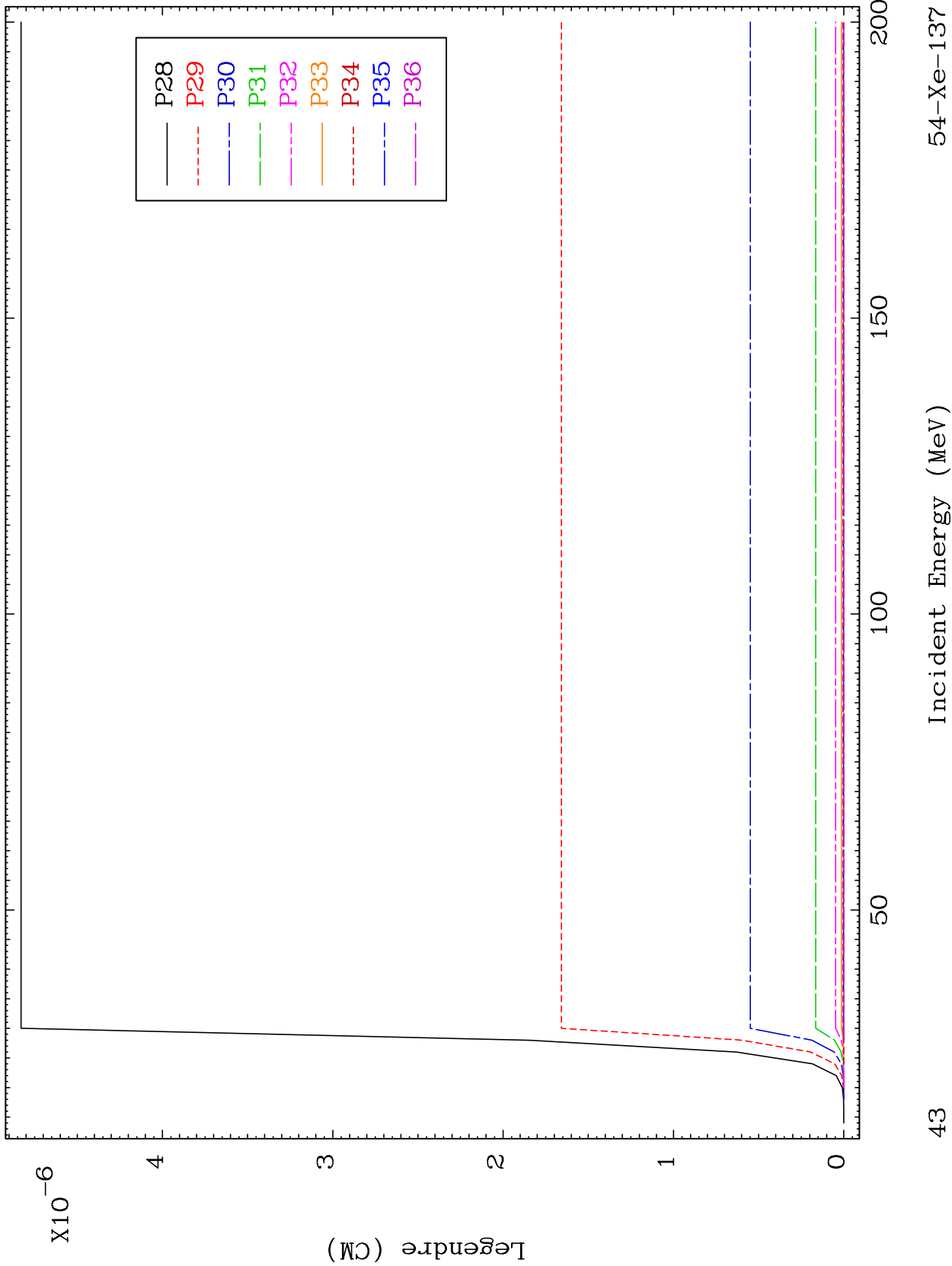
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

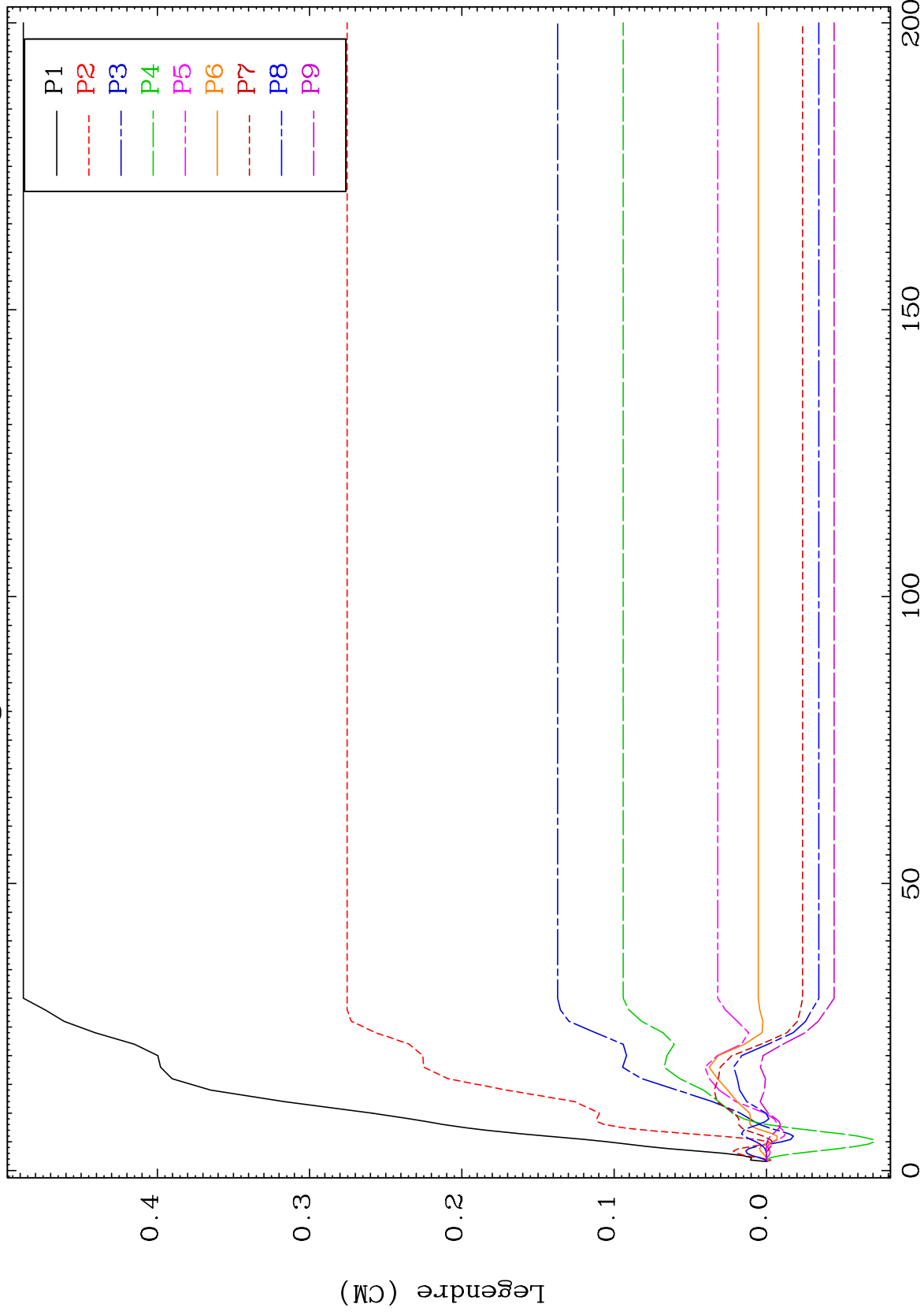
54-Xe-137



MAT 5464

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

54-Xe-137



54-Xe-137

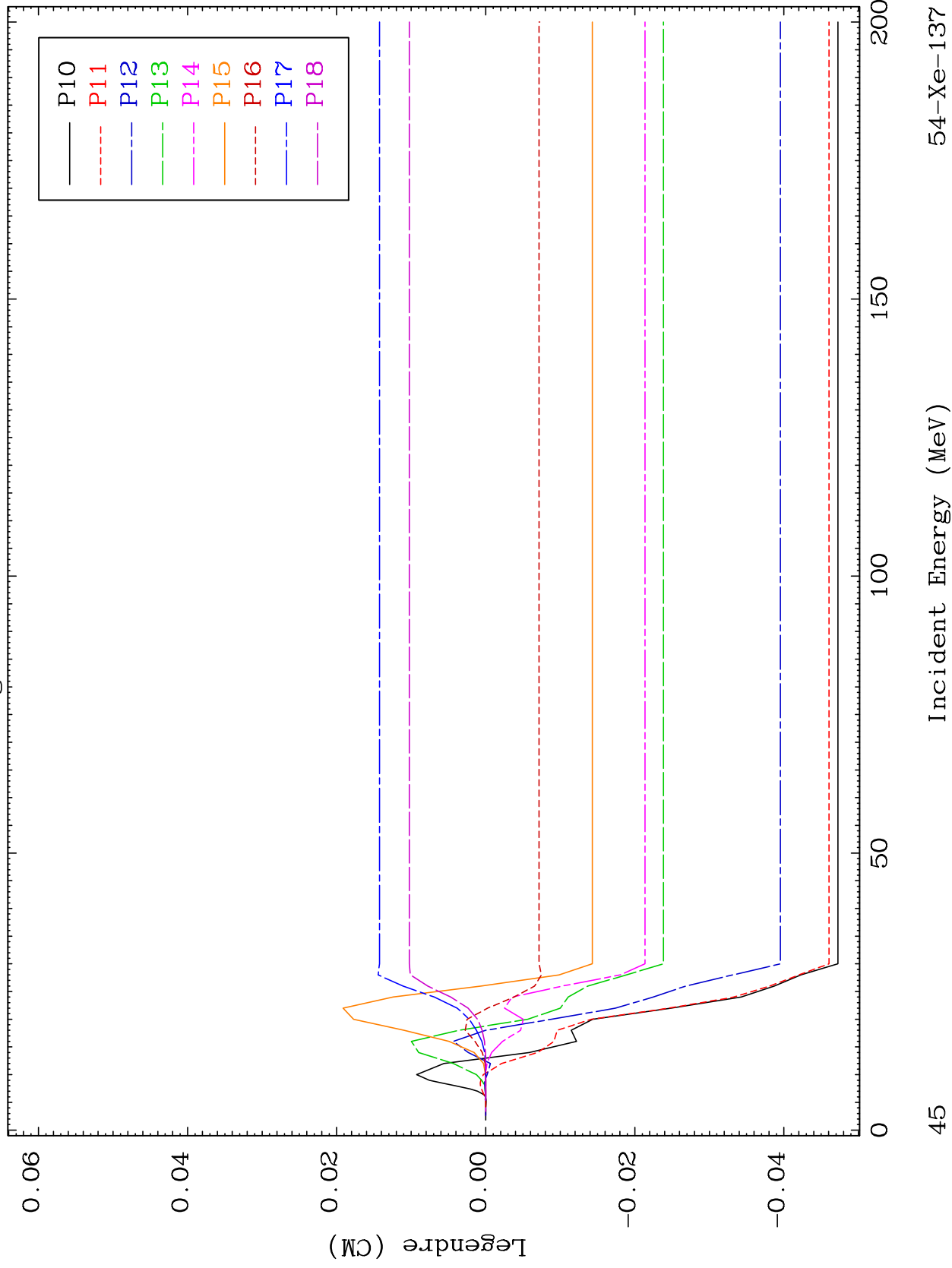
Incident Energy (MeV)

44

MAT 5464

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

54-Xe-137



54-Xe-137

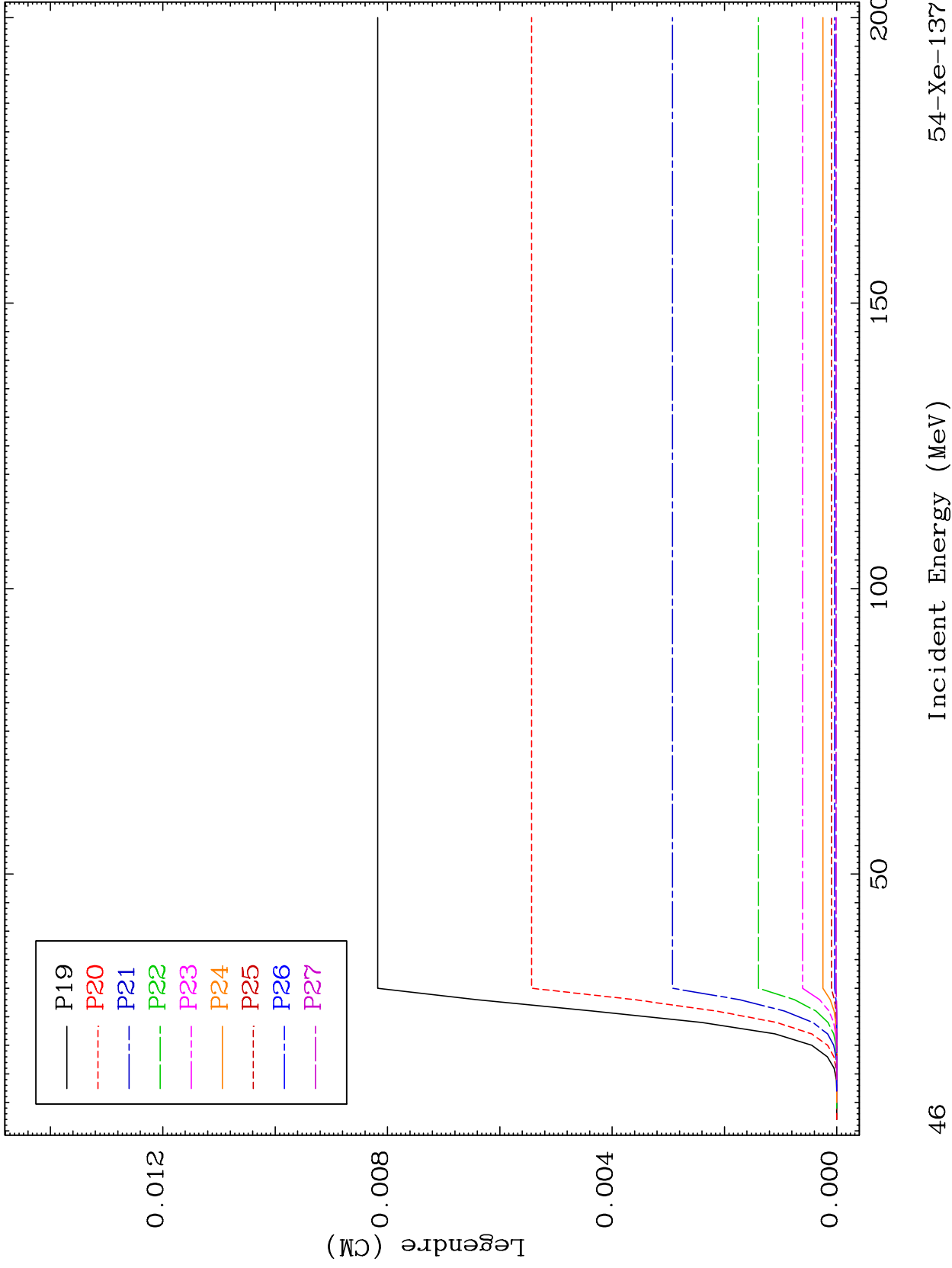
Incident Energy (MeV)

45

MAT 5464

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

54-Xe-137



46

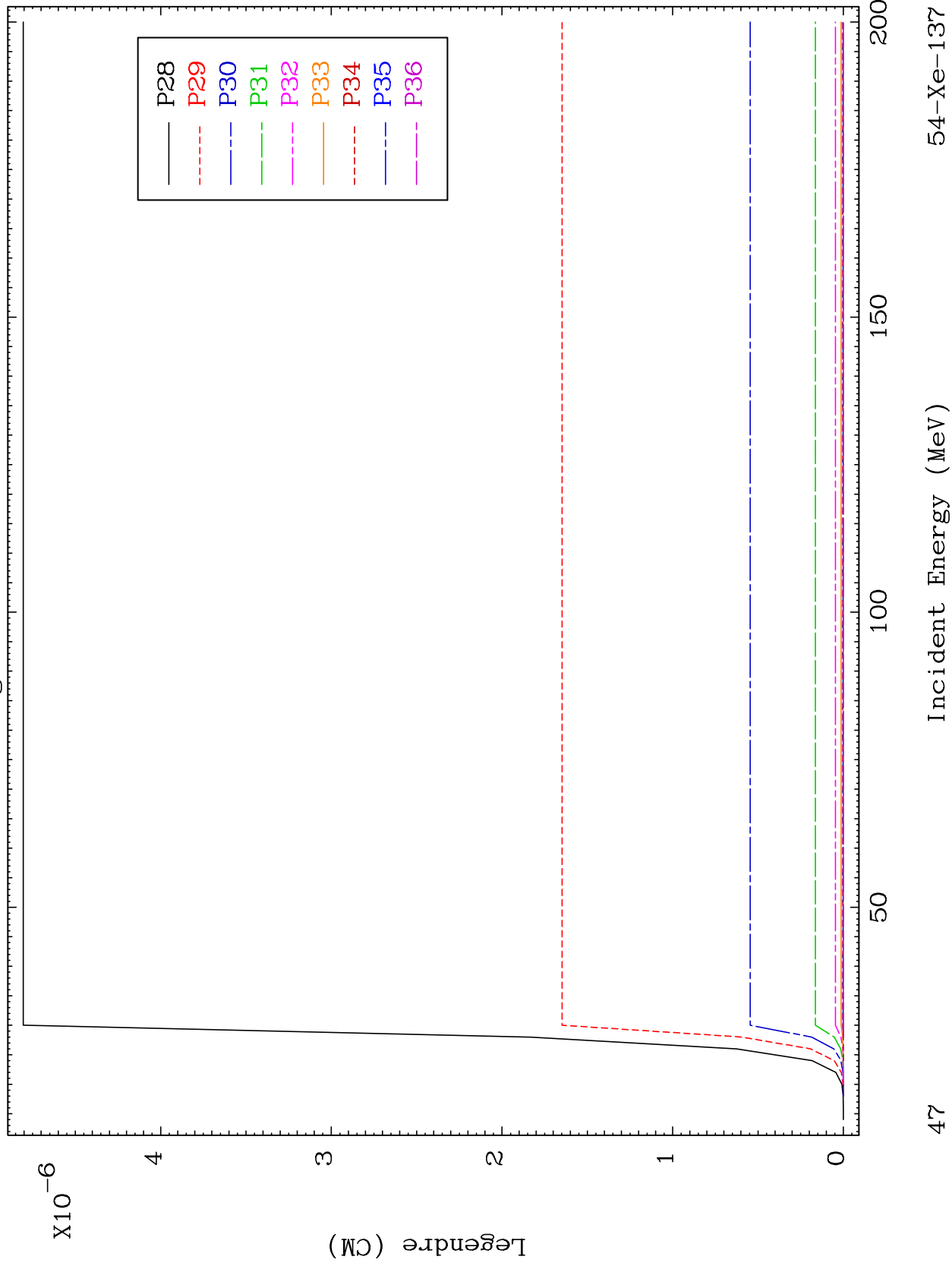
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

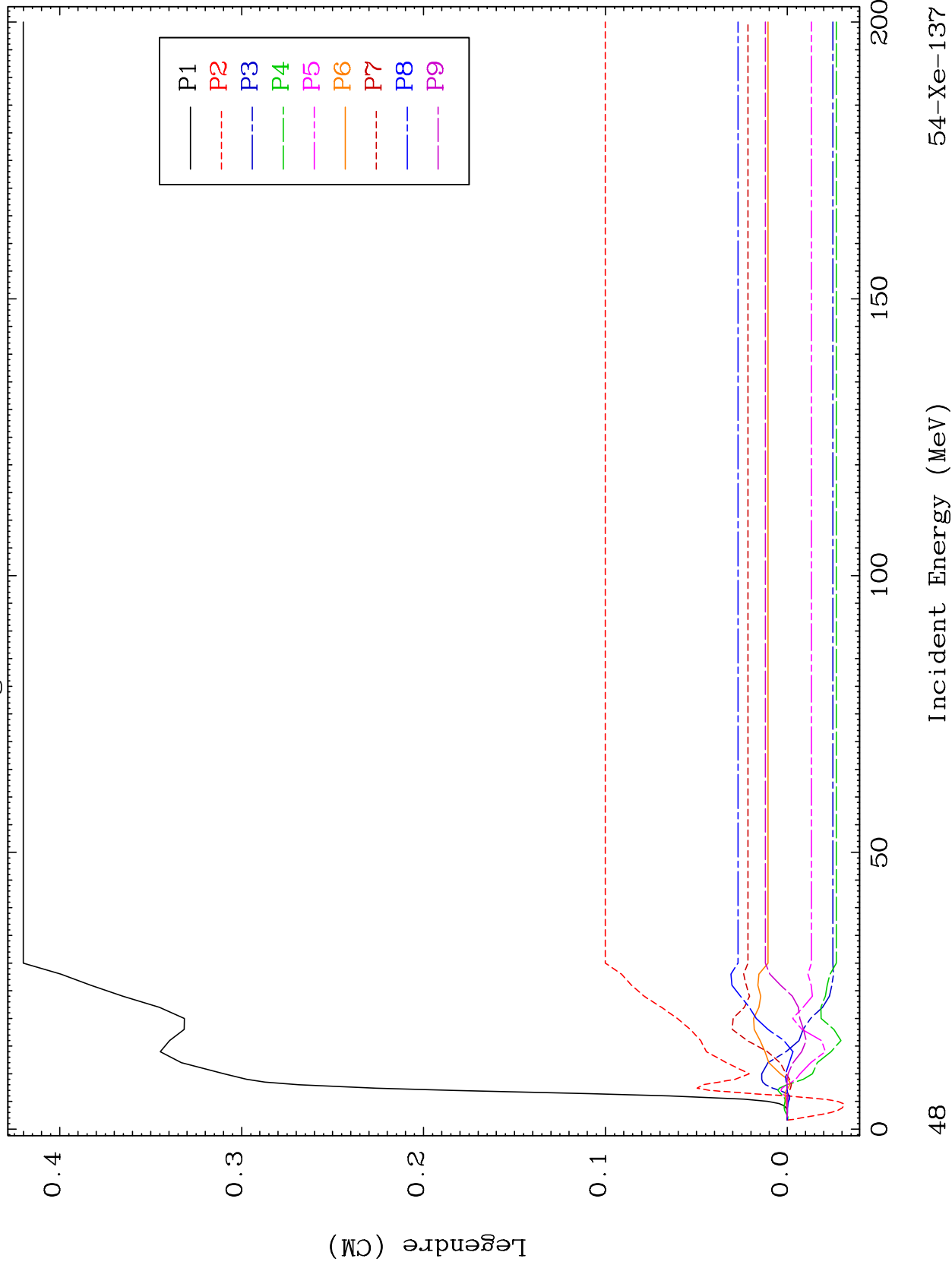
54-Xe-137



MAT 5464

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

54-Xe-137



54-Xe-137

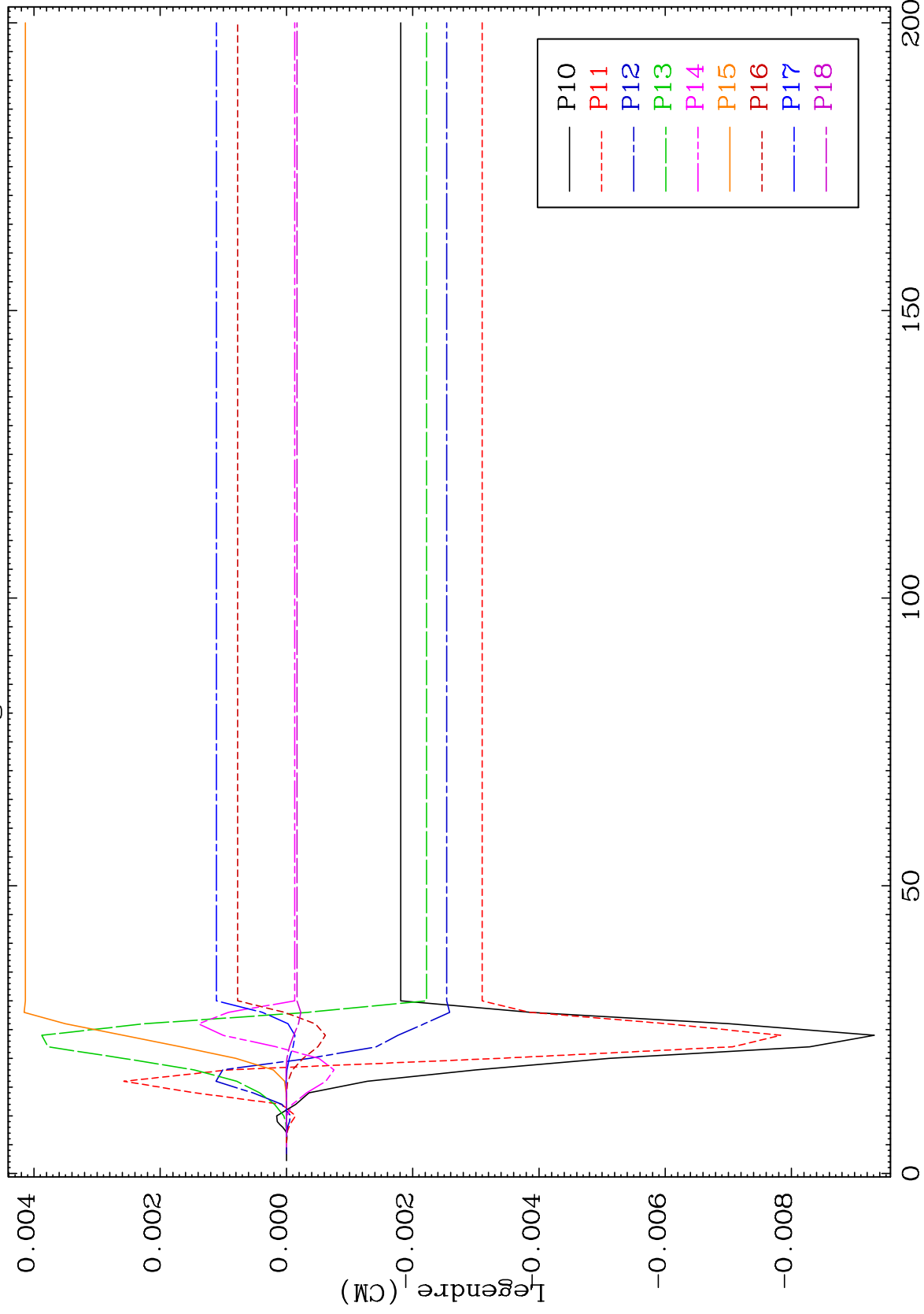
Incident Energy (MeV)

48

MAT 5464

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

54-Xe-137



49

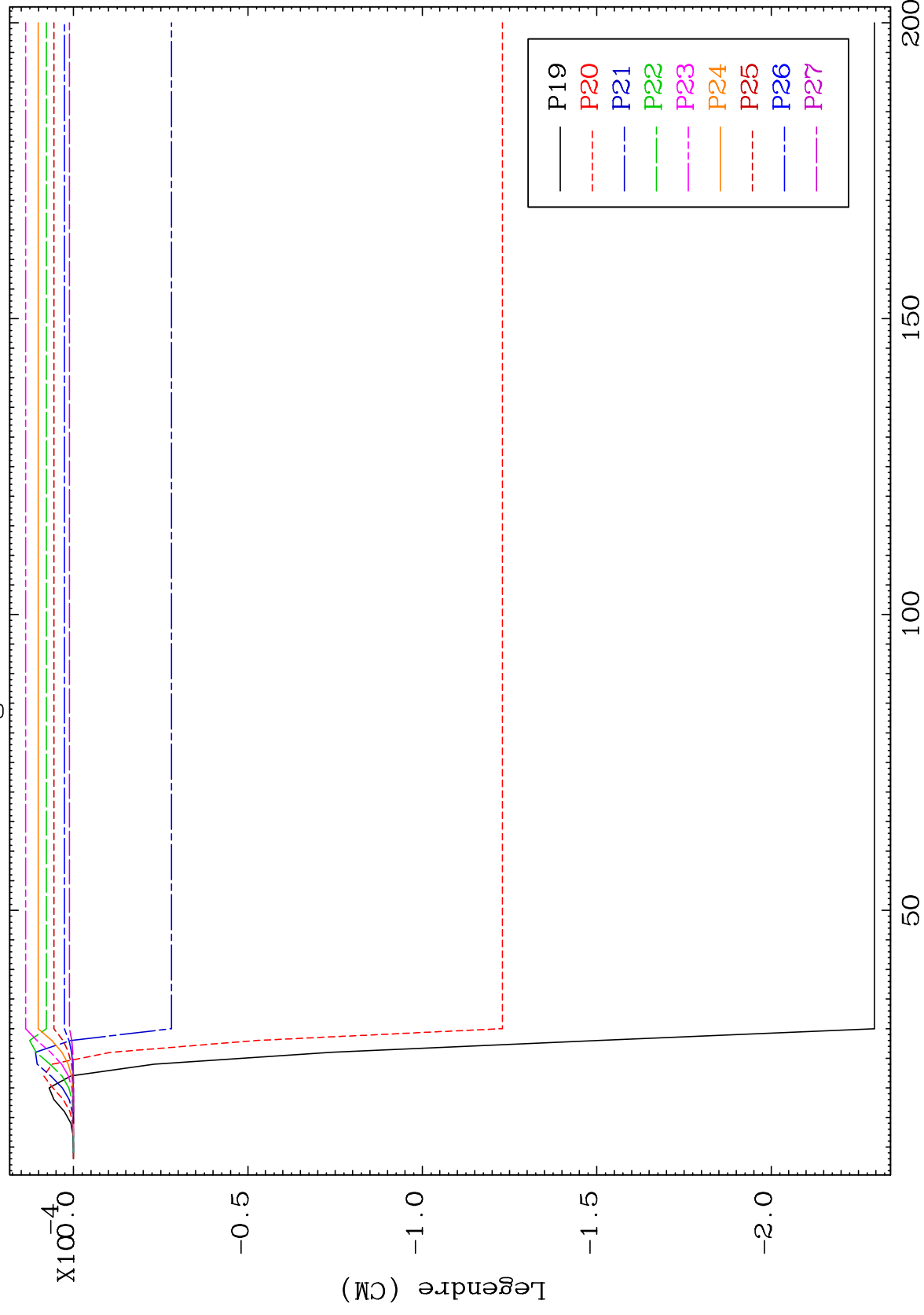
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



50

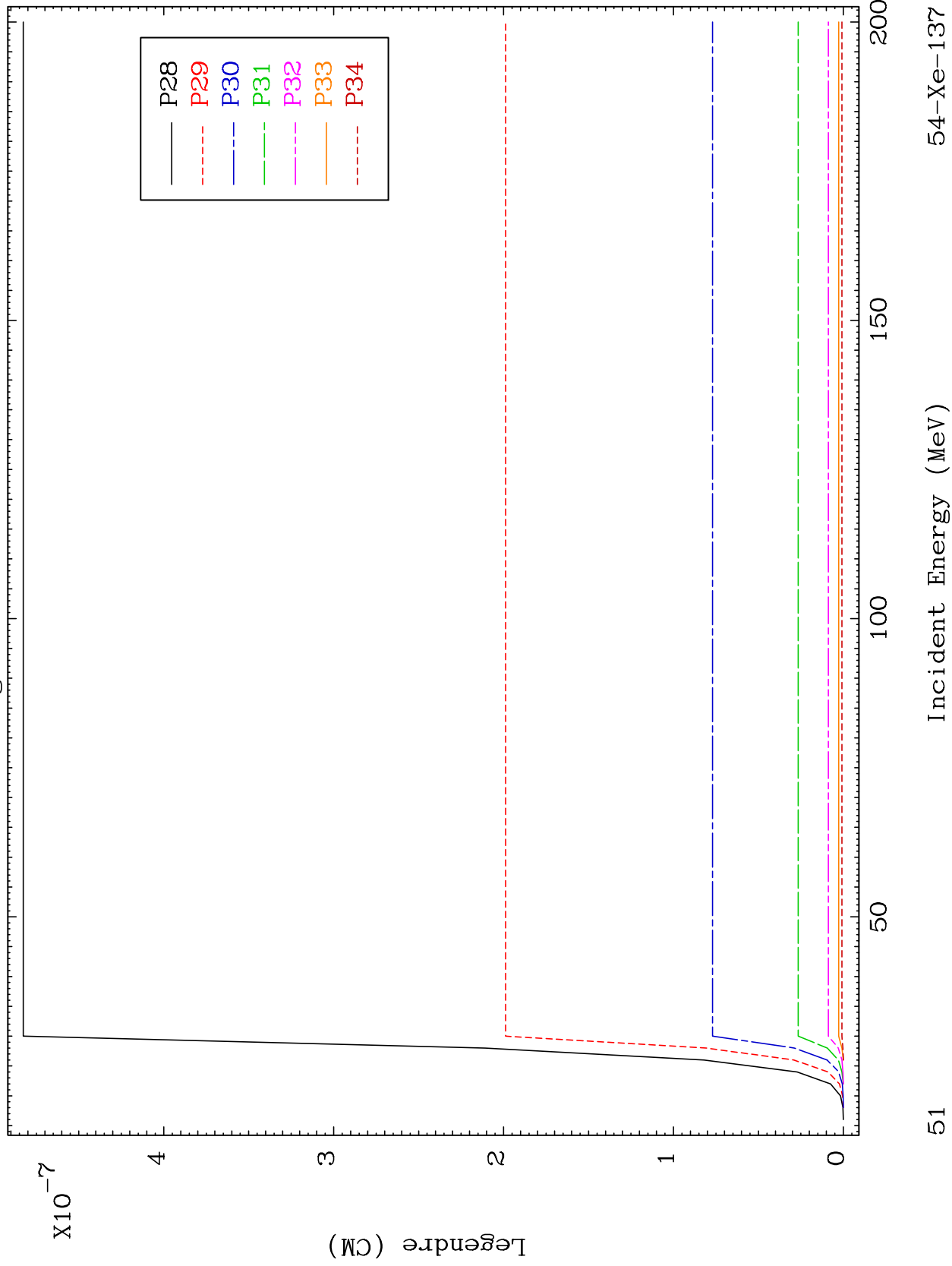
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



51

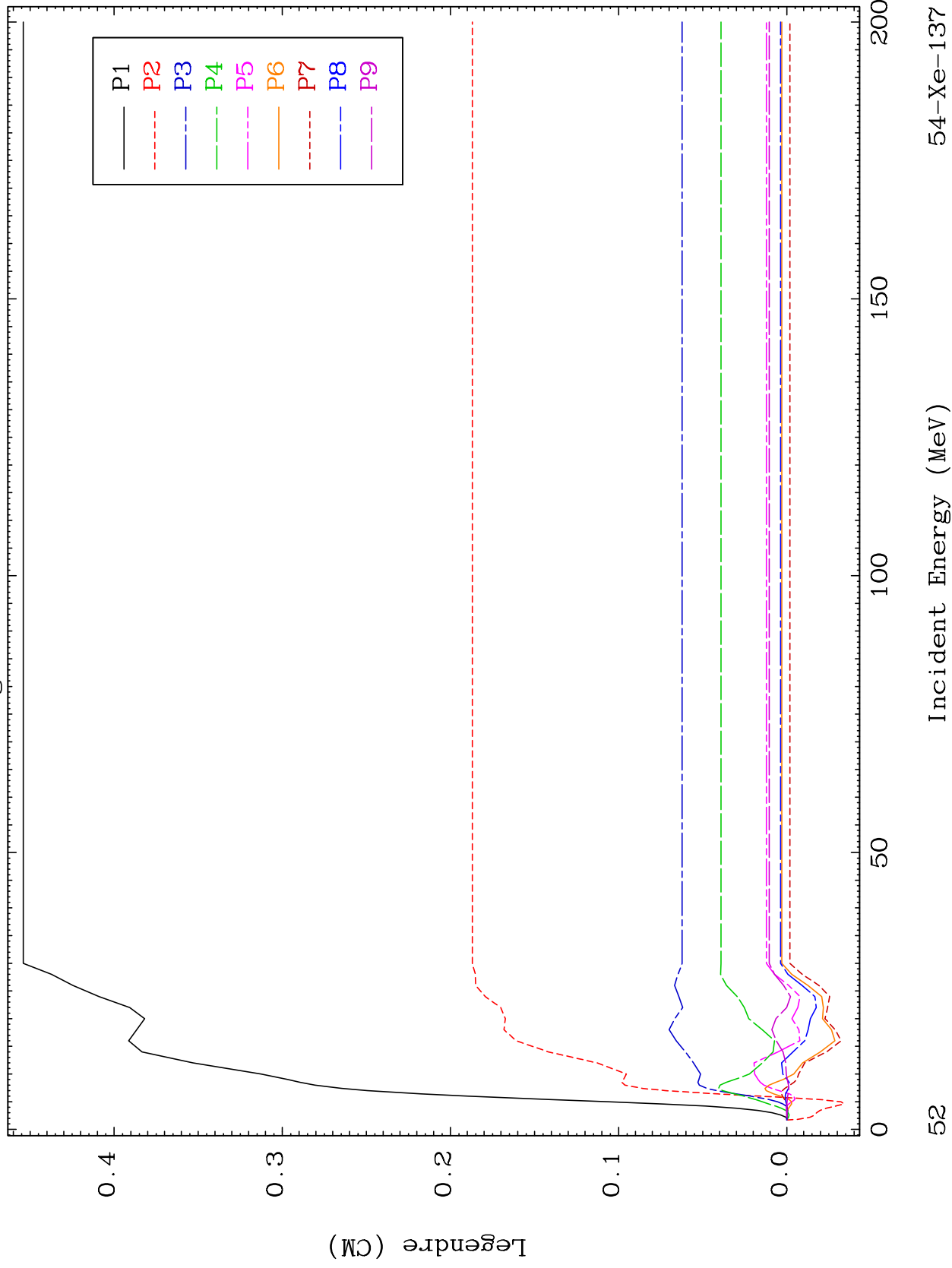
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



52

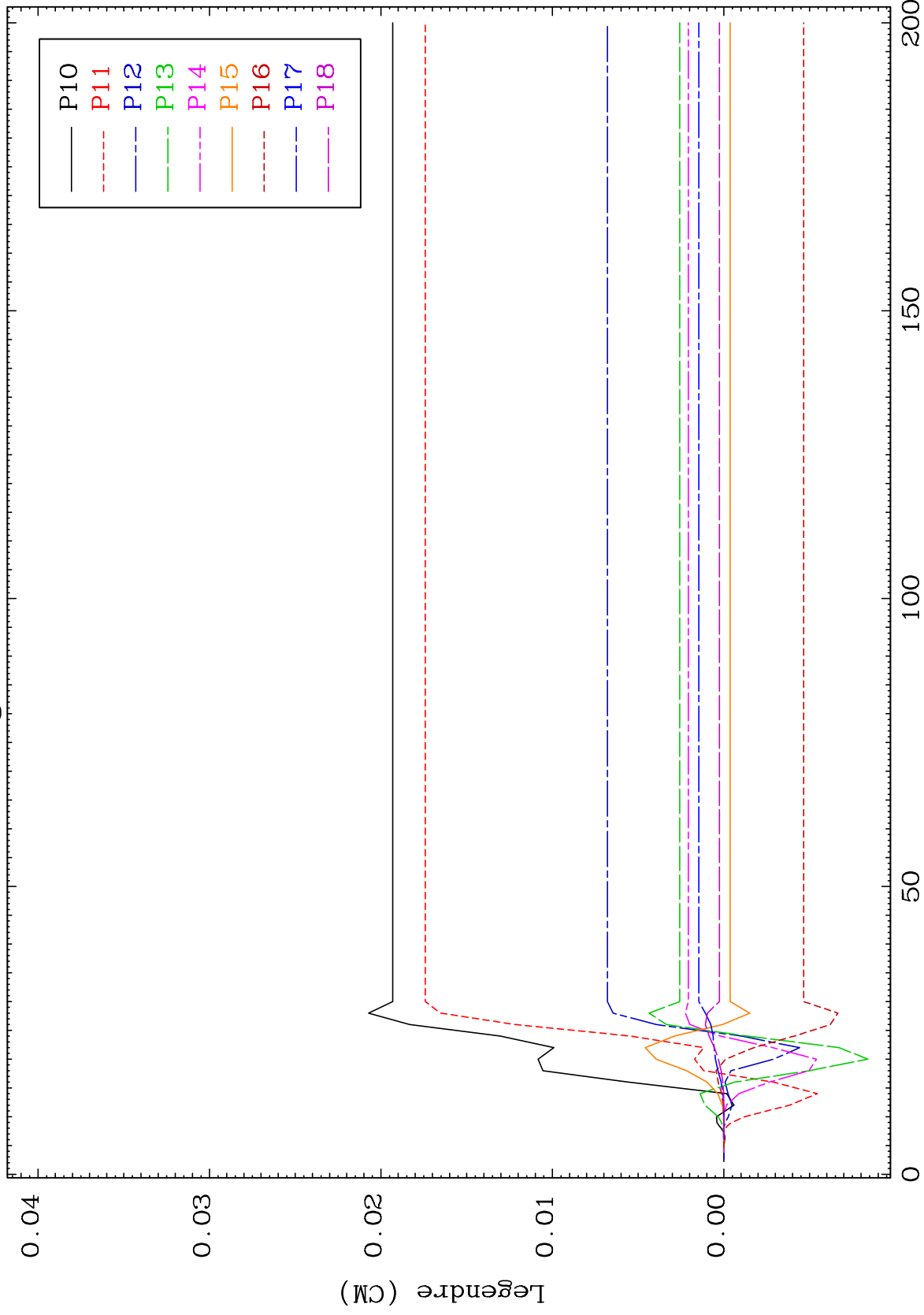
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



53

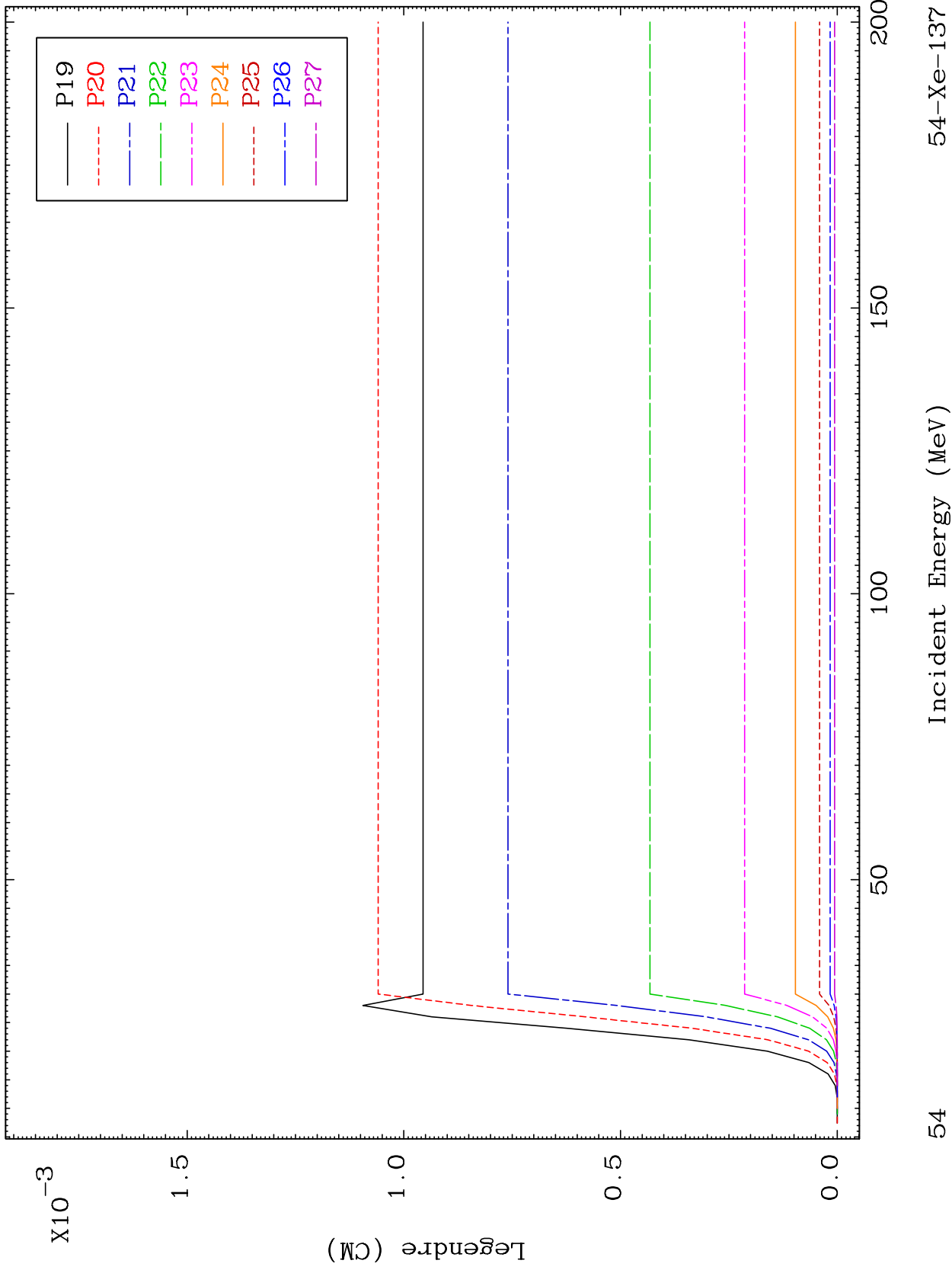
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



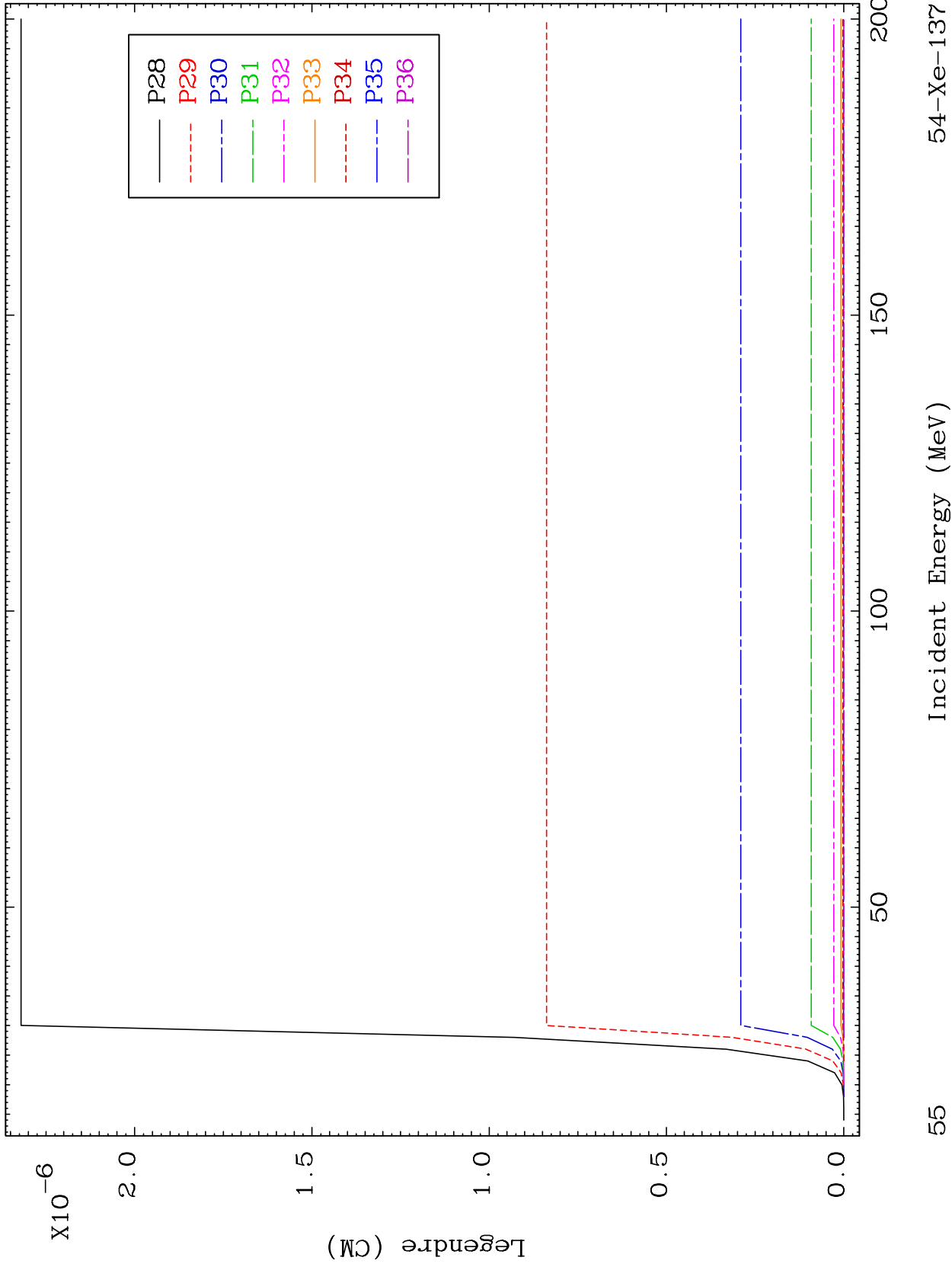
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54-Xe-137

MAT 5464

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

54-Xe-137



55

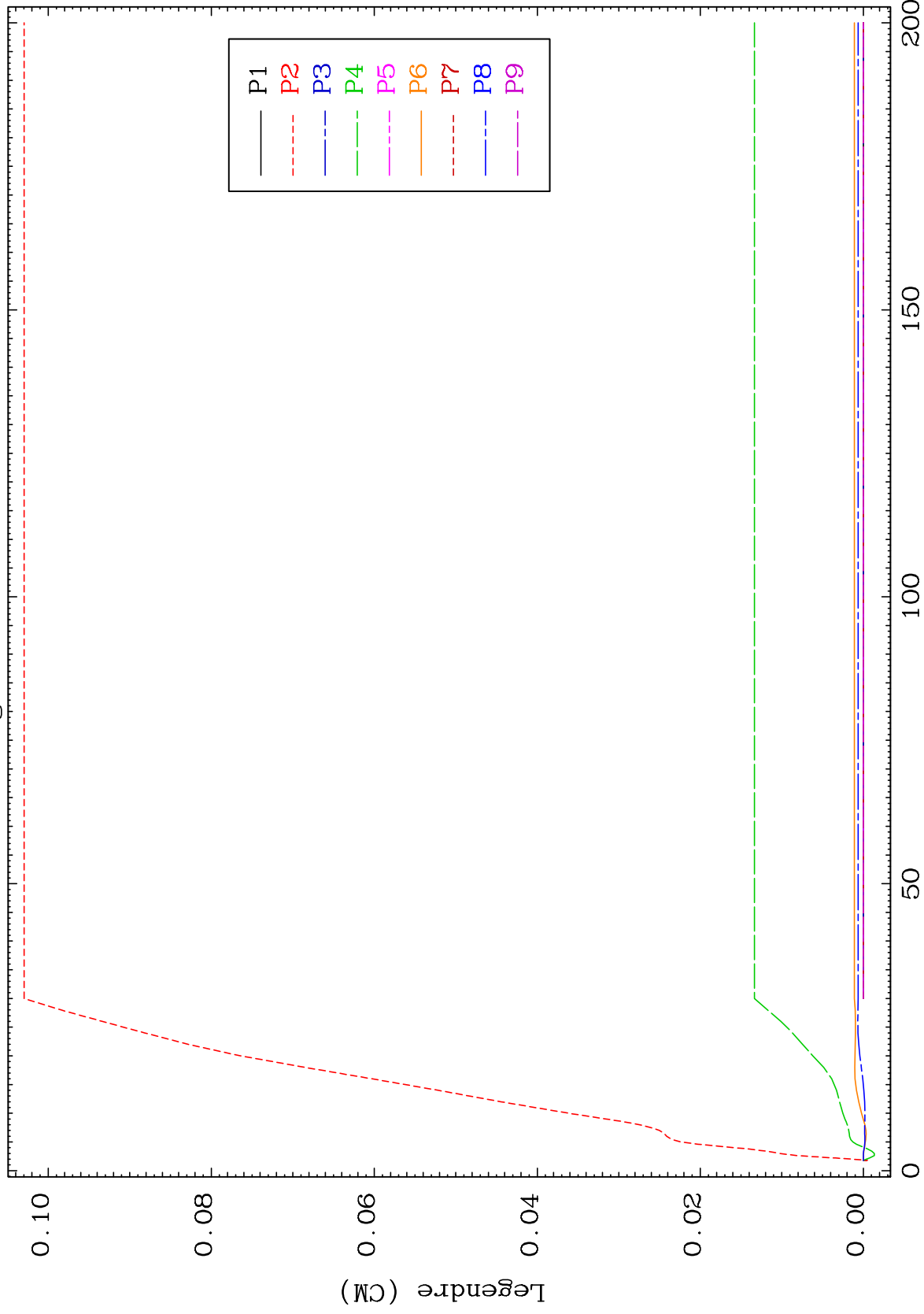
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



56

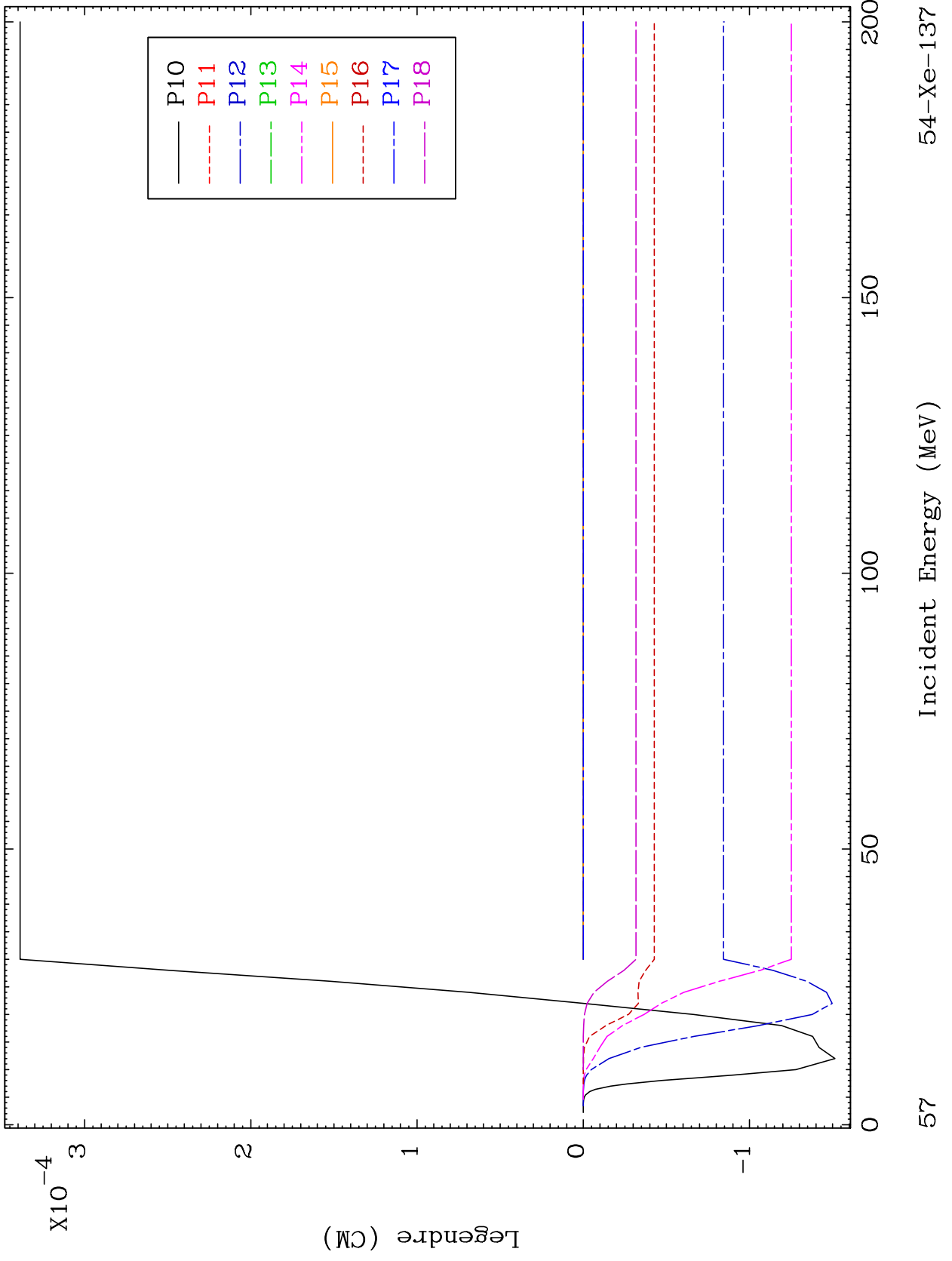
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

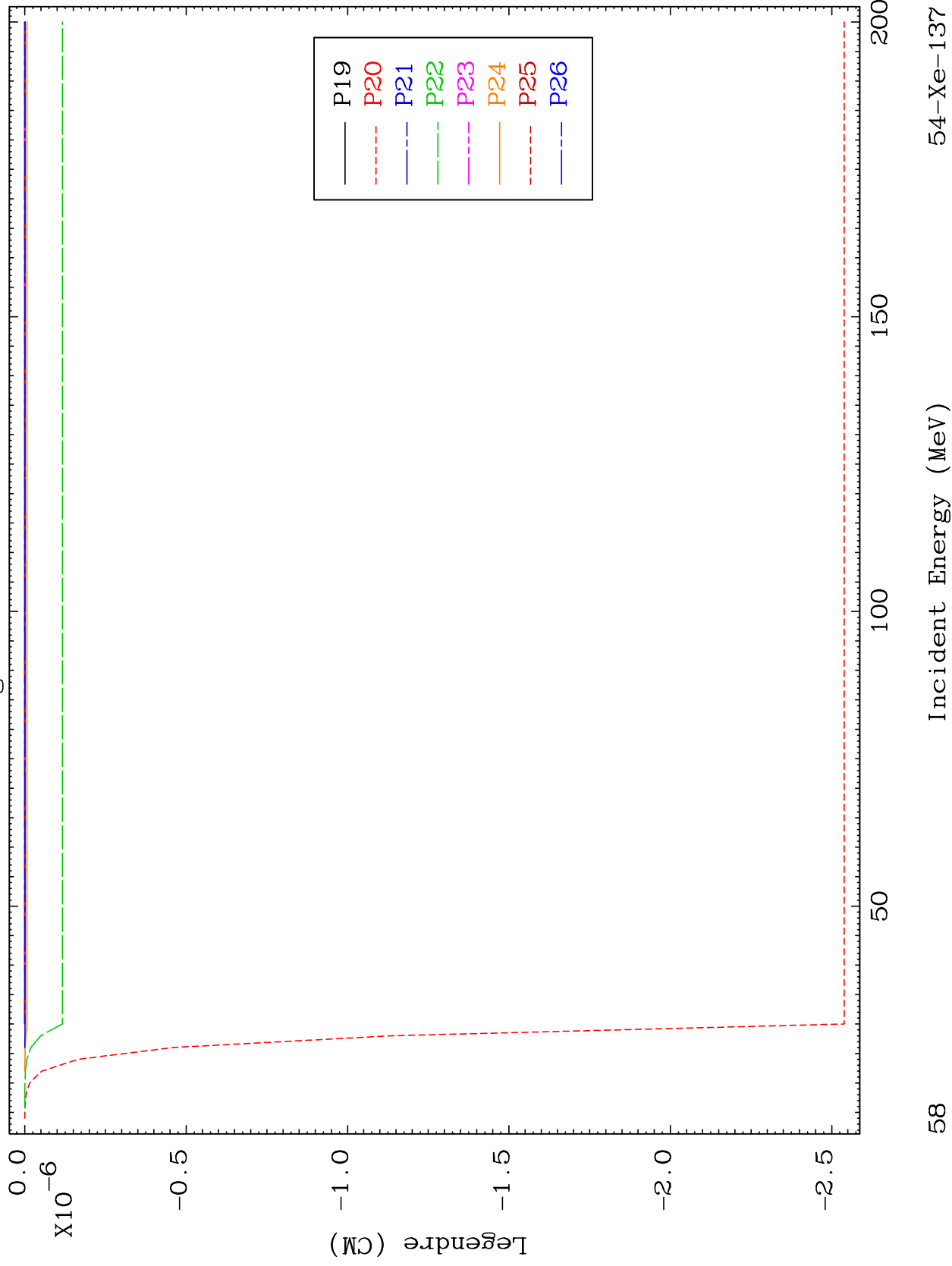
54-Xe-137



MAT 5464

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

54-Xe-137



58

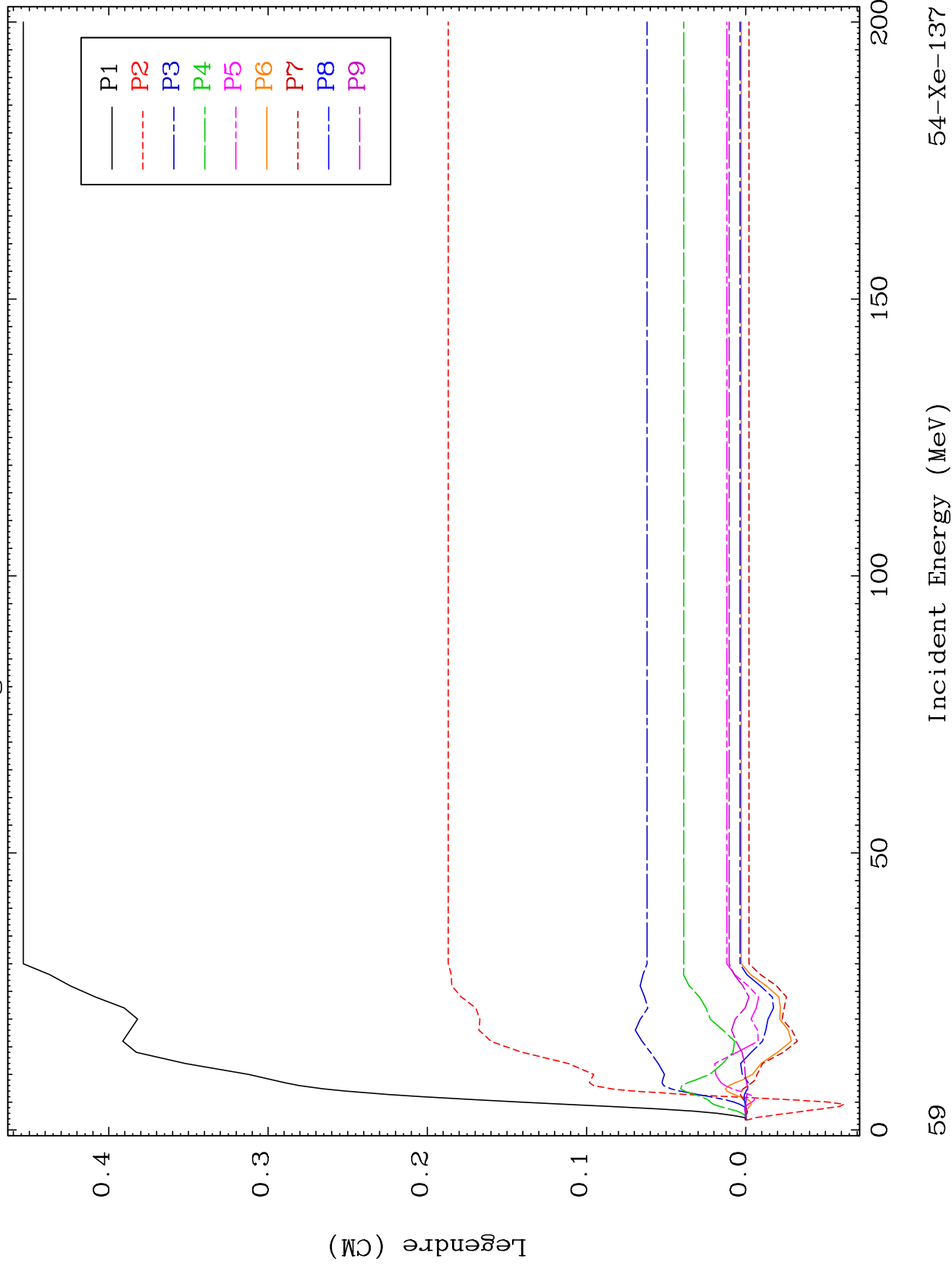
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

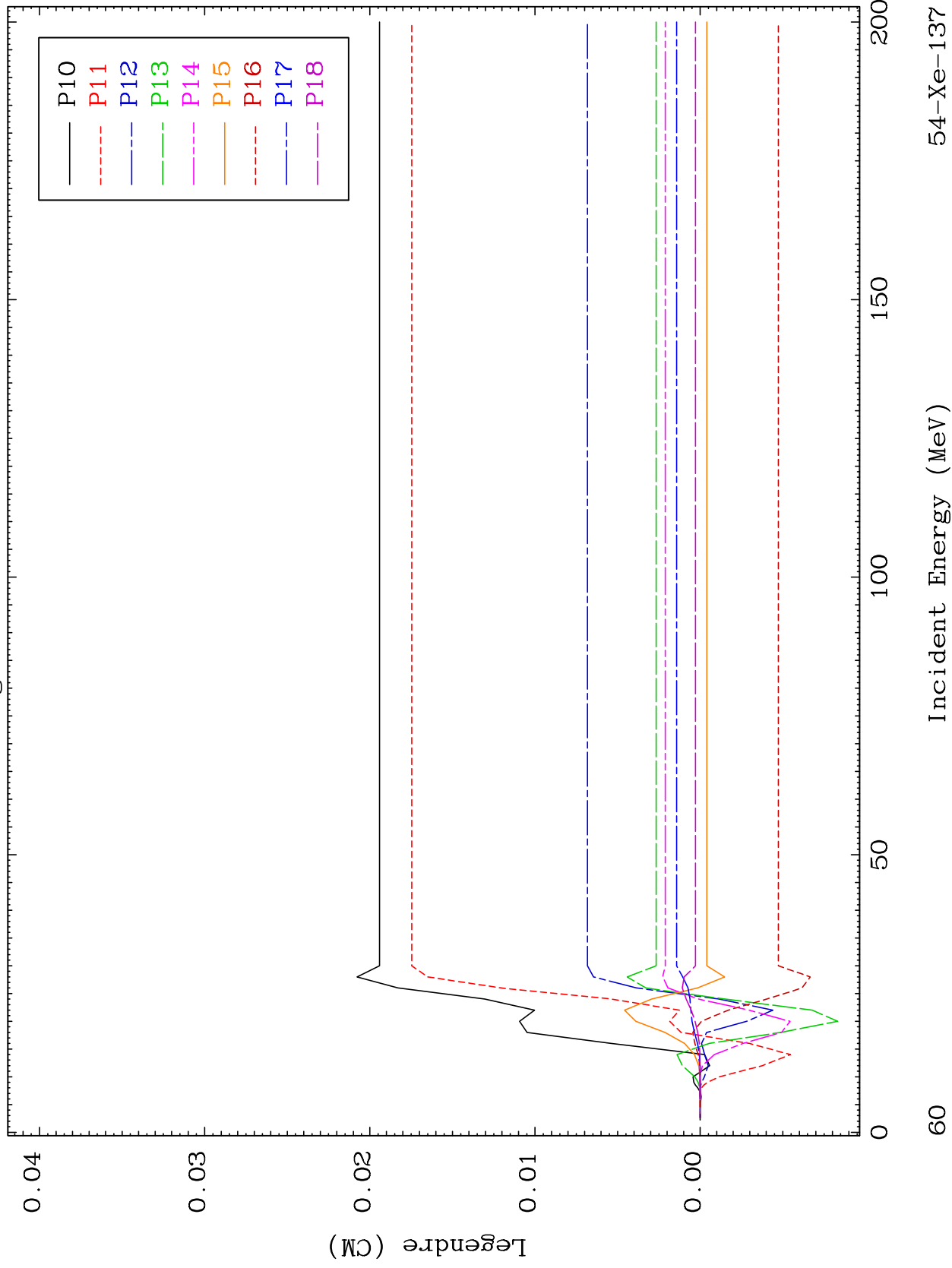
54-Xe-137



MAT 5464

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

54-Xe-137



54-Xe-137

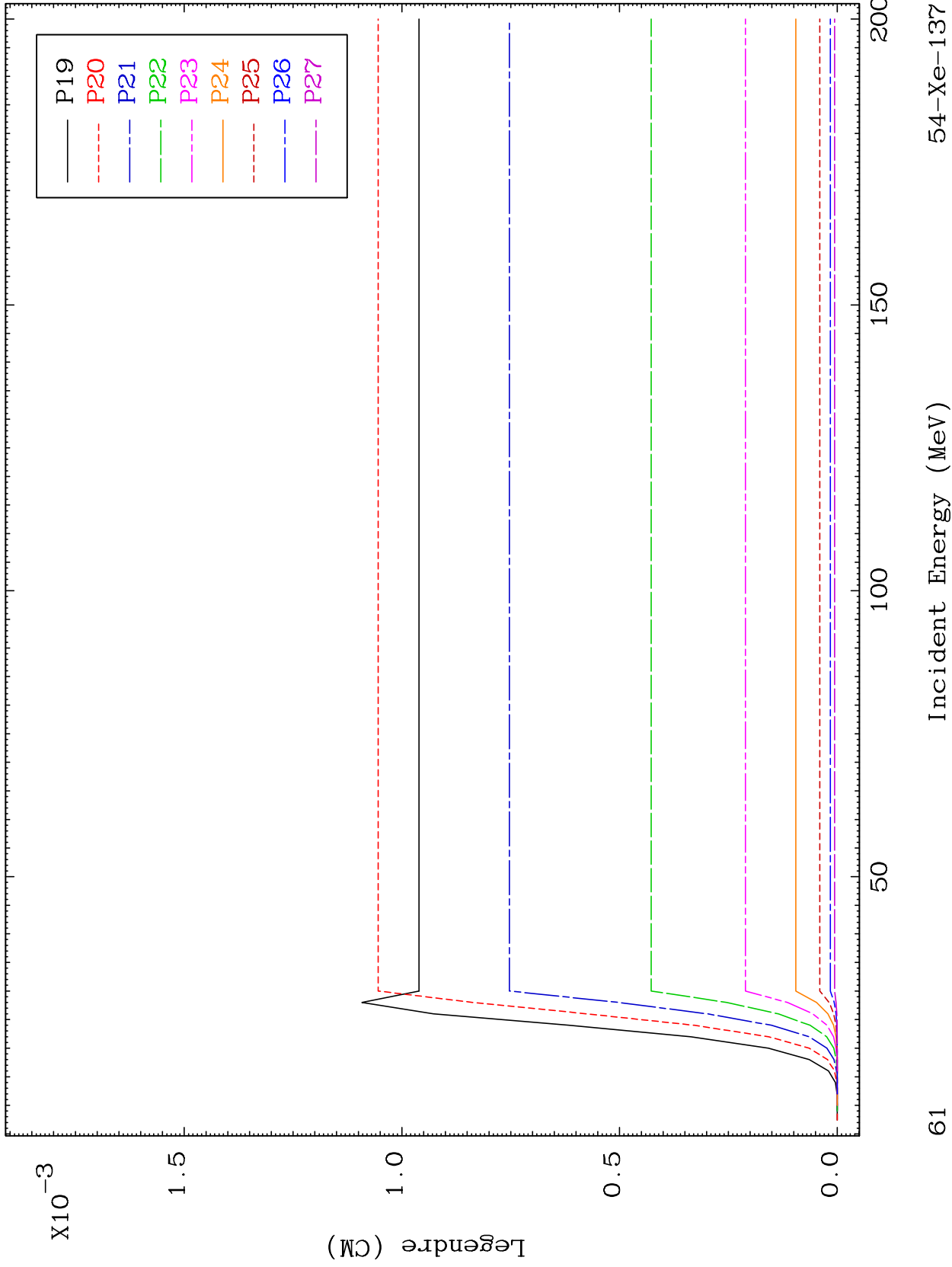
Incident Energy (MeV)

60

MAT 5464

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

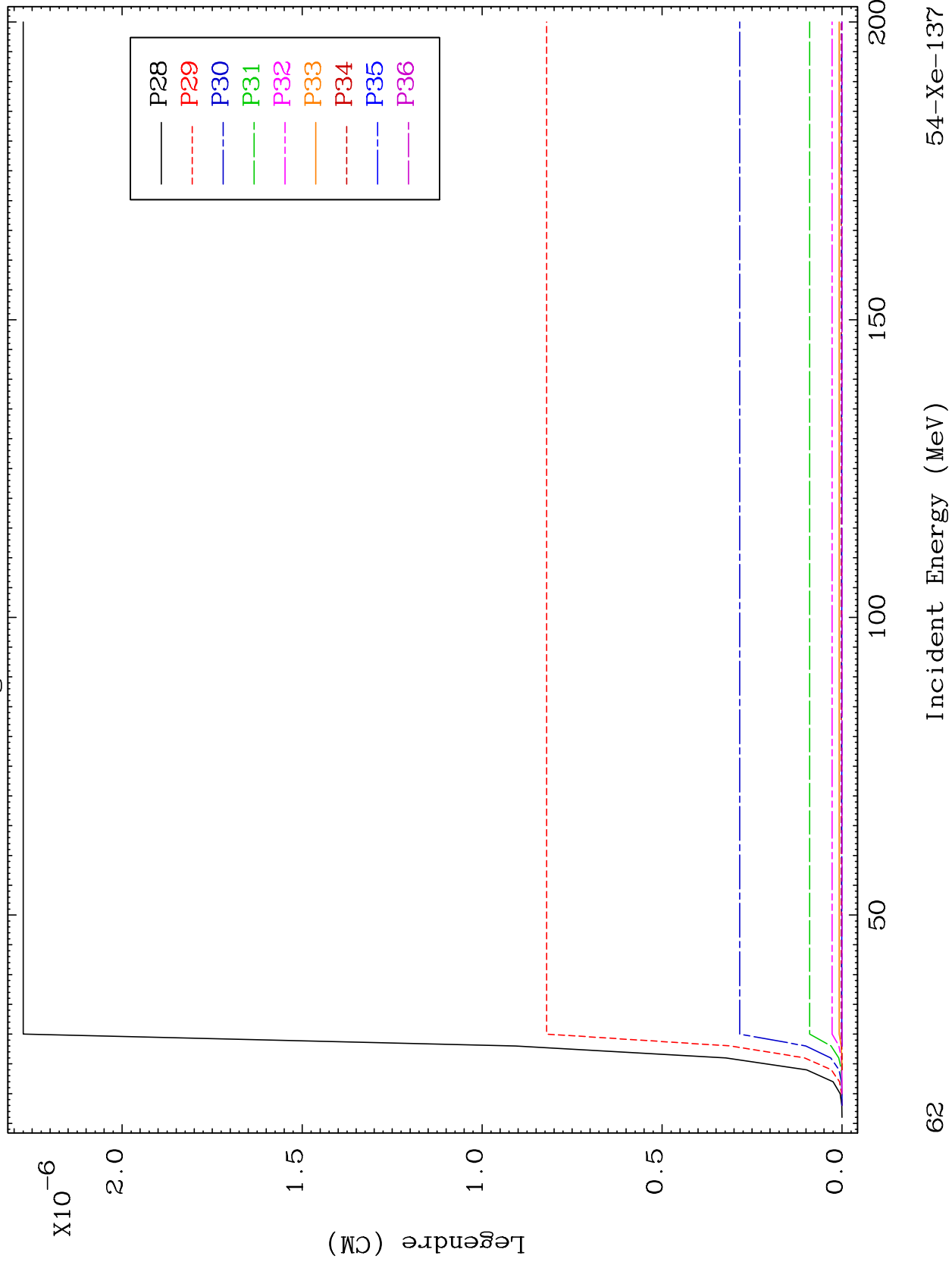
54-Xe-137



MAT 5464

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

54-Xe-137



62

Incident Energy (MeV)

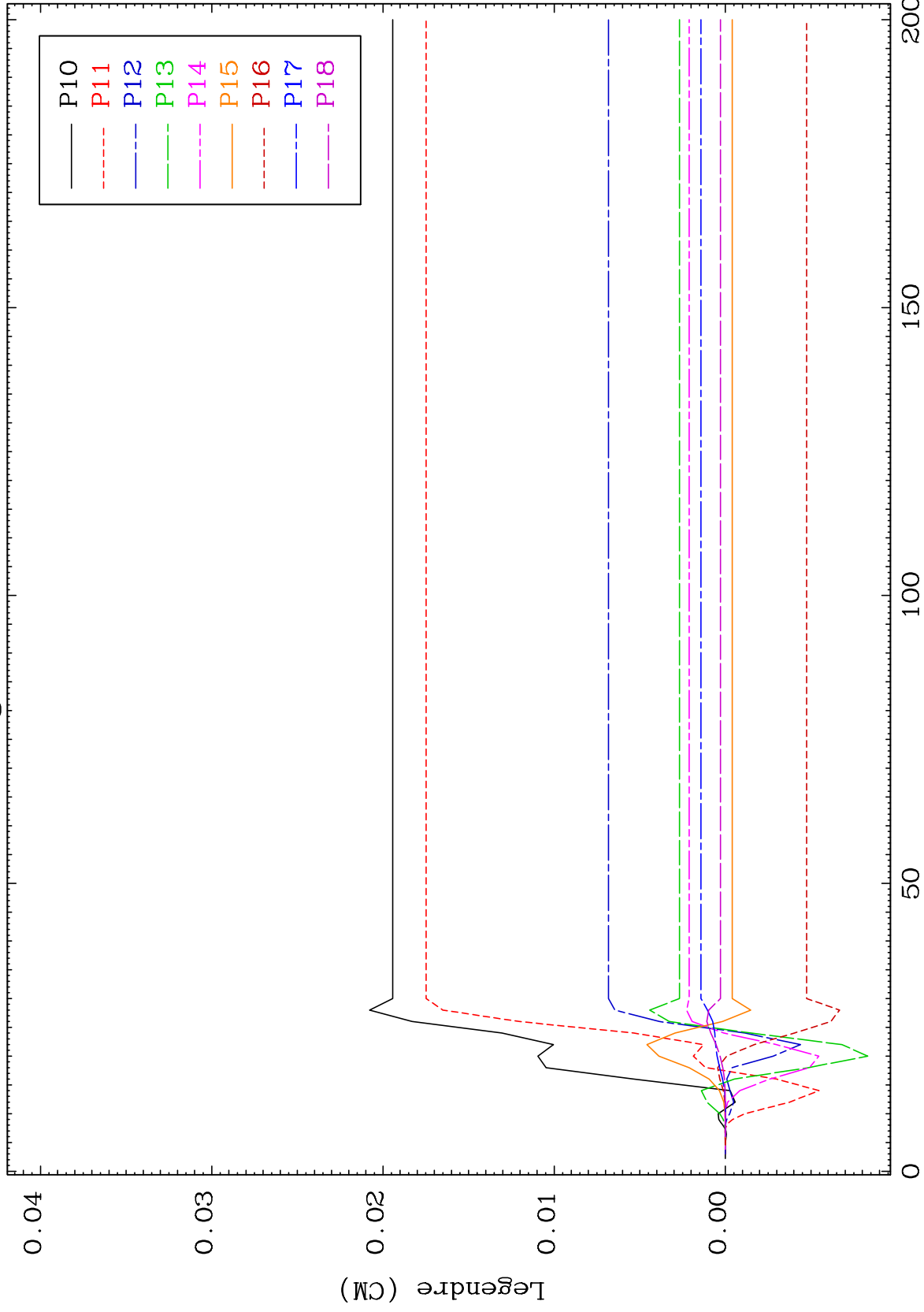
54-Xe-137



MAT 5464

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

54-Xe-137



64

Incident Energy (MeV)

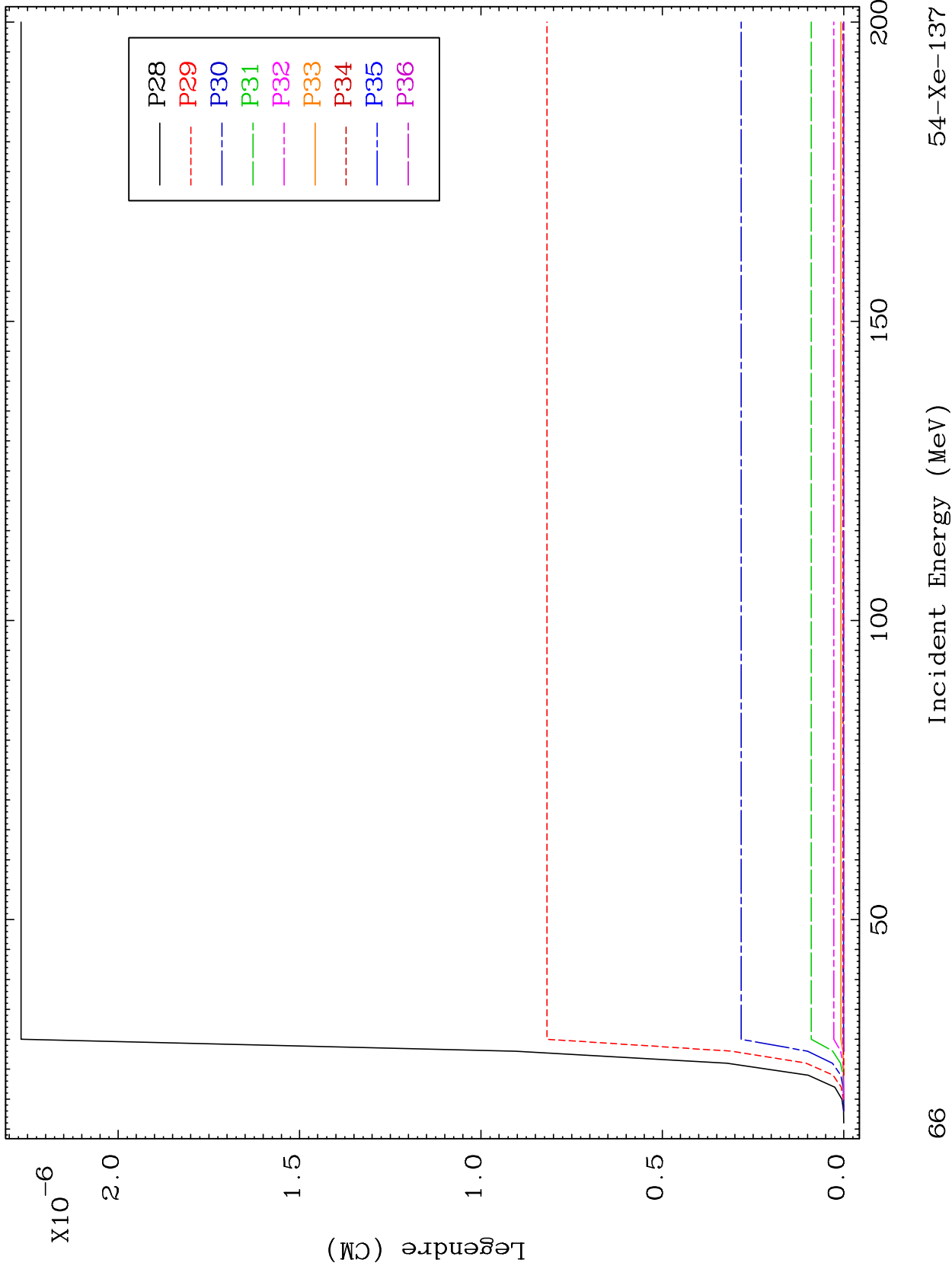
54-Xe-137



MAT 5464

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

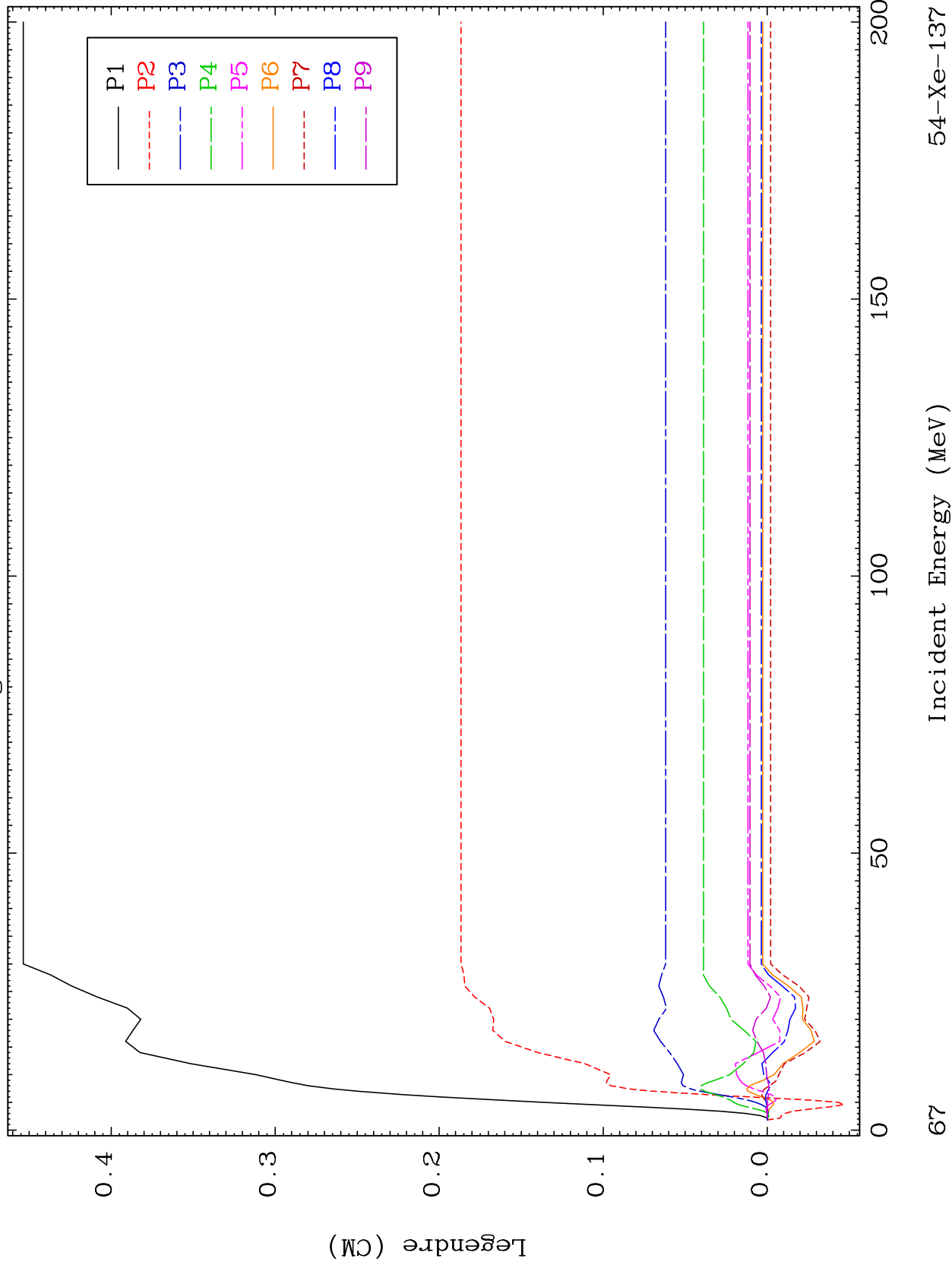
54-Xe-137



MAT 5464

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

54-Xe-137



54-Xe-137

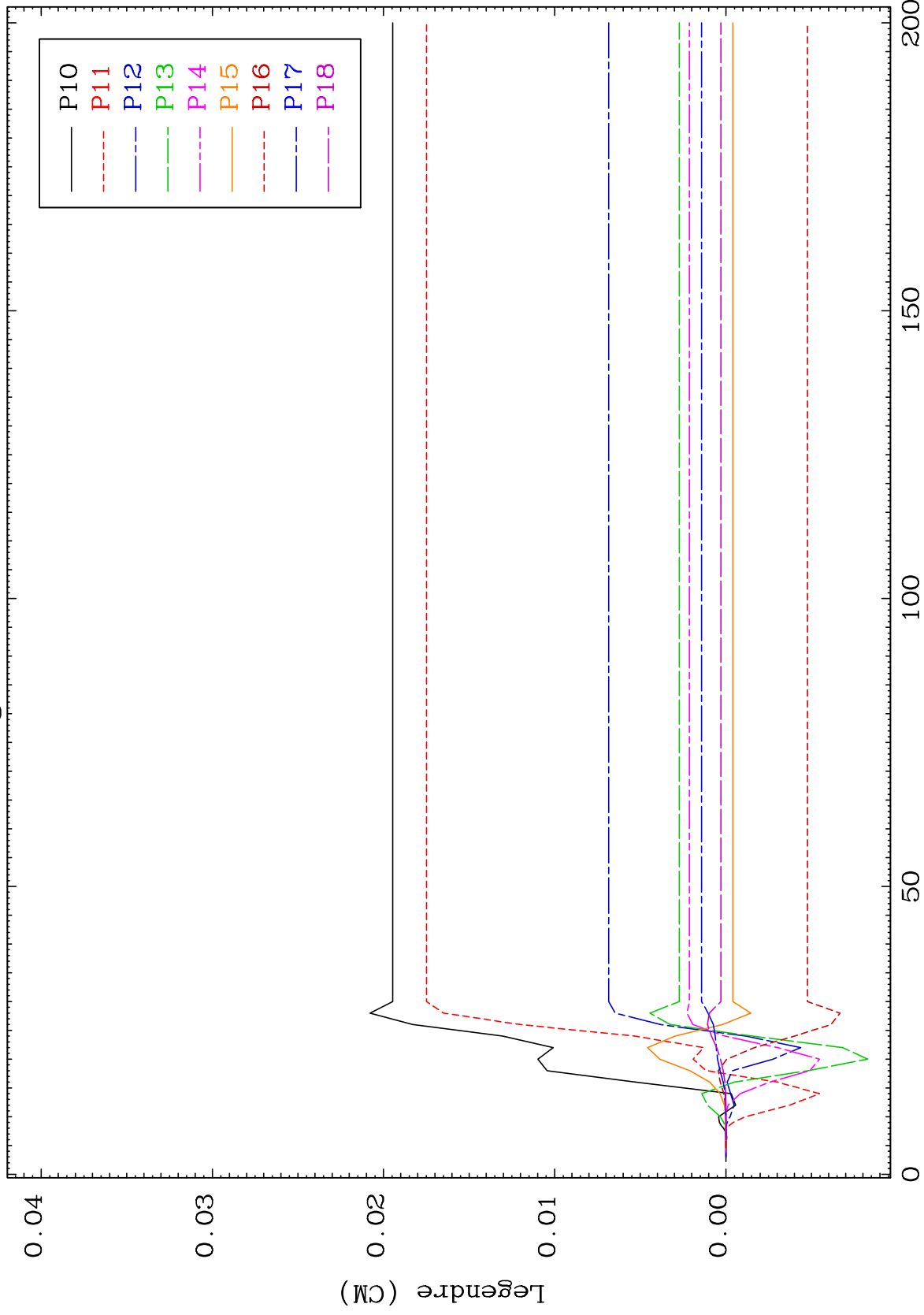
Incident Energy (MeV)

67

MAT 5464

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

54-Xe-137



68

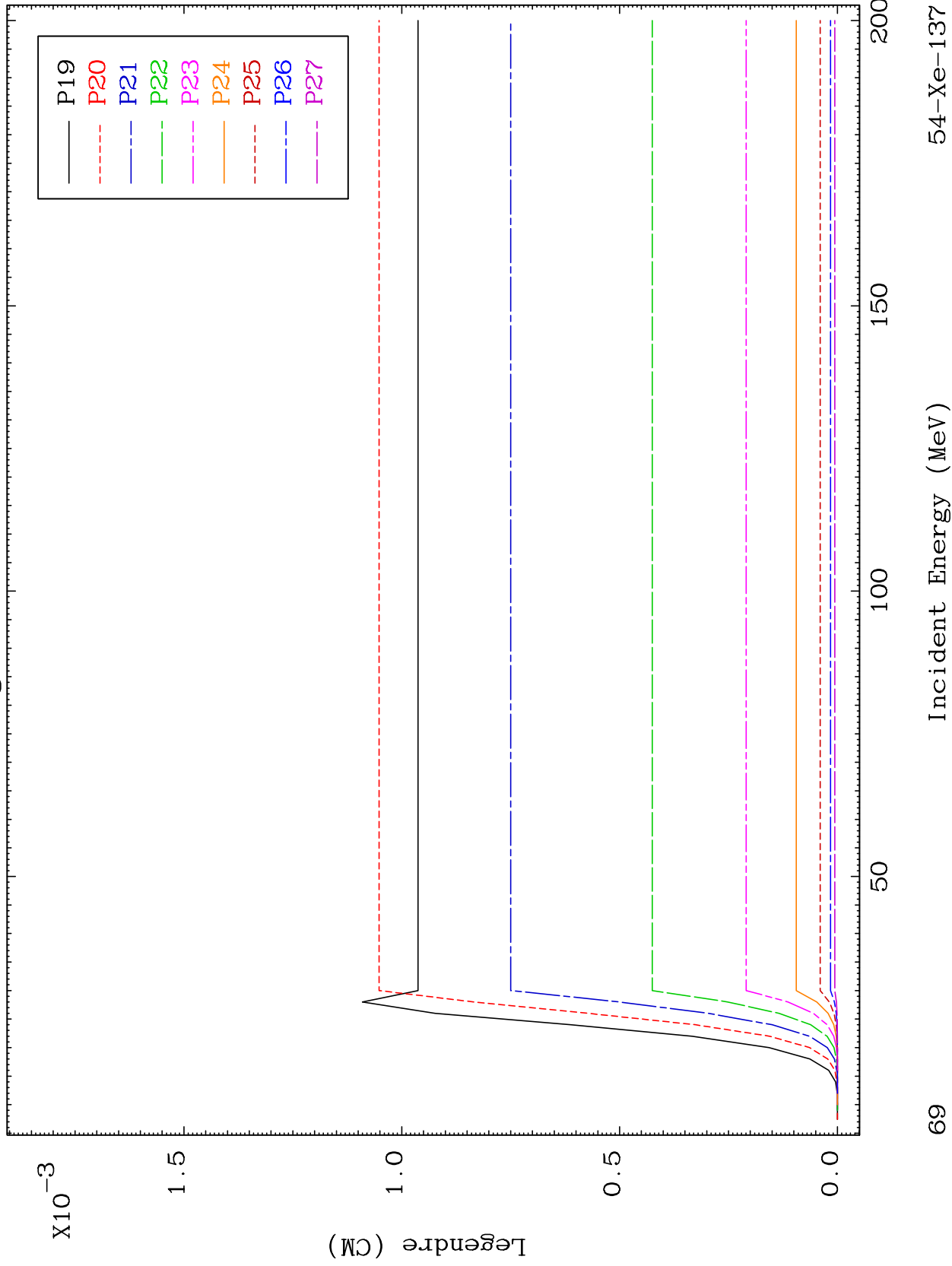
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



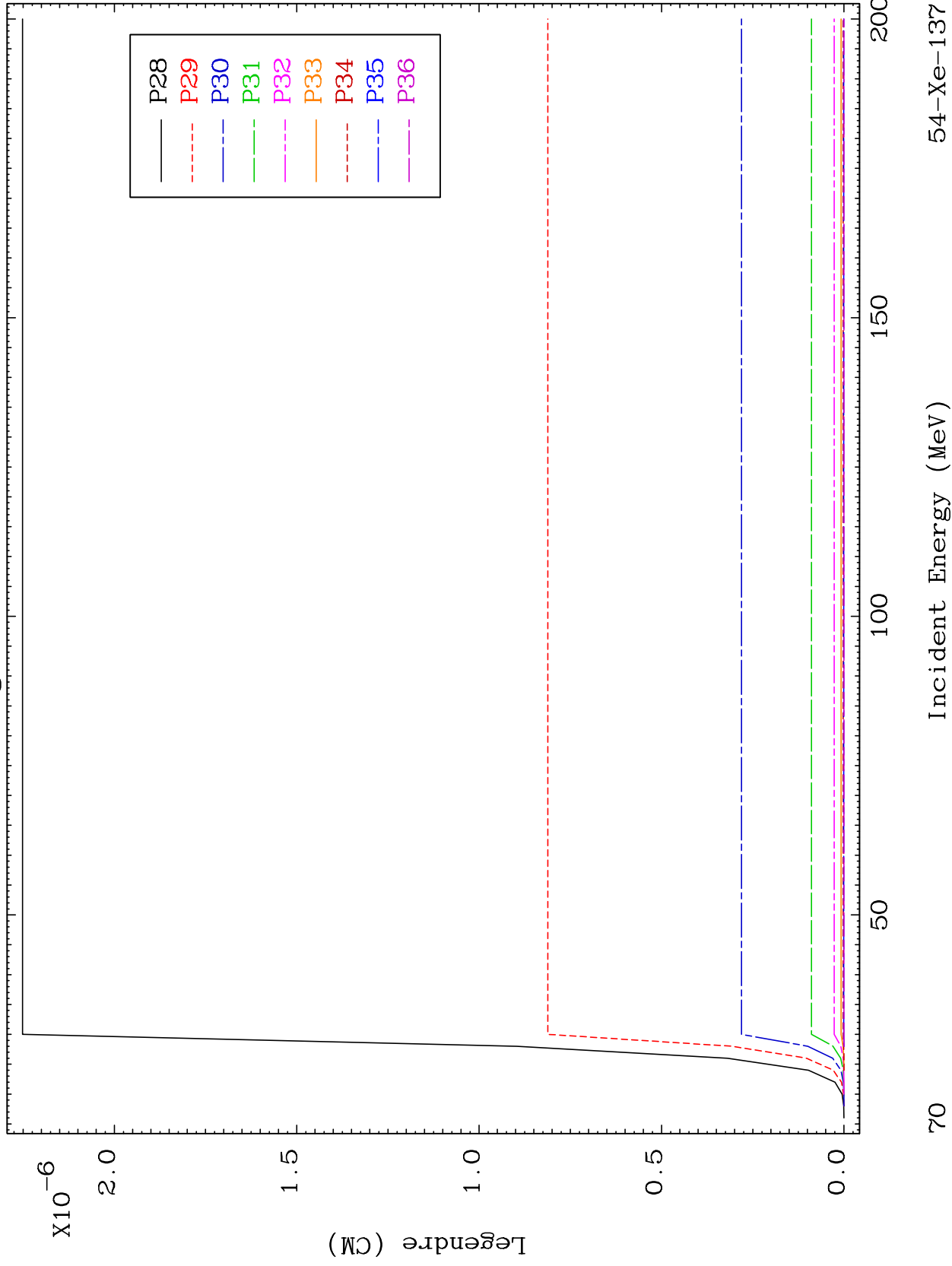
69

54-Xe-137

MAT 5464

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

54-Xe-137



70

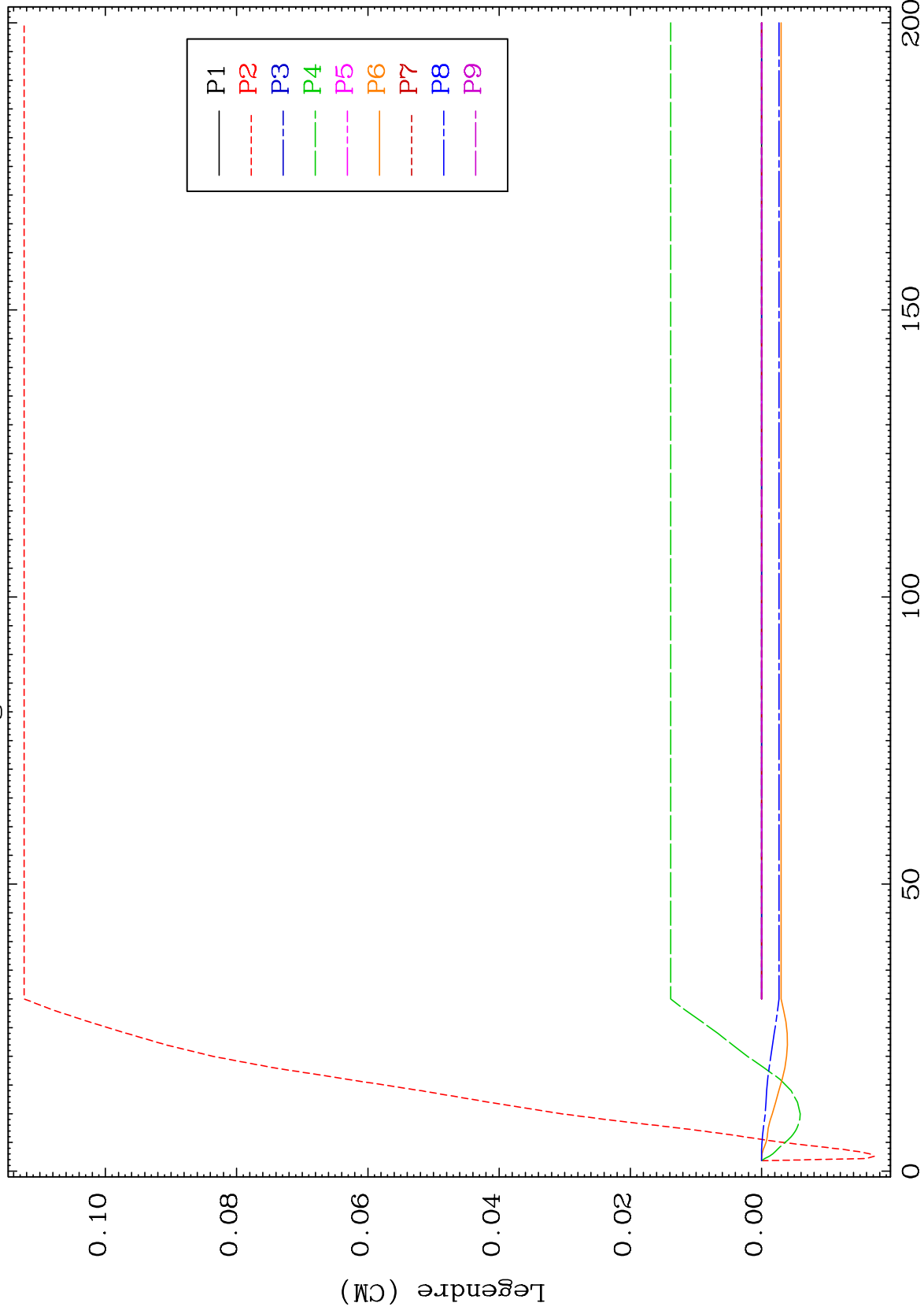
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



71

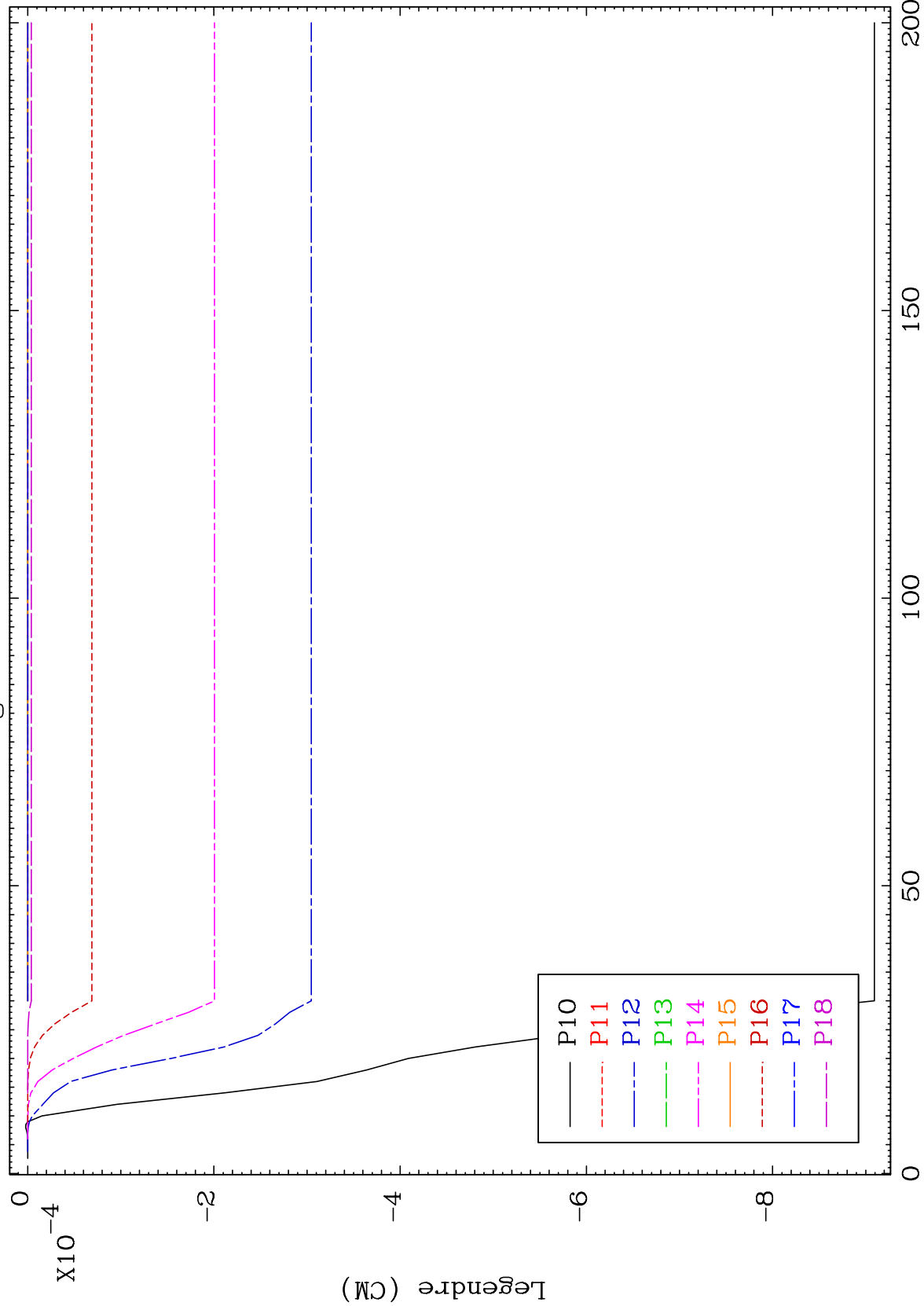
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



54-Xe-137

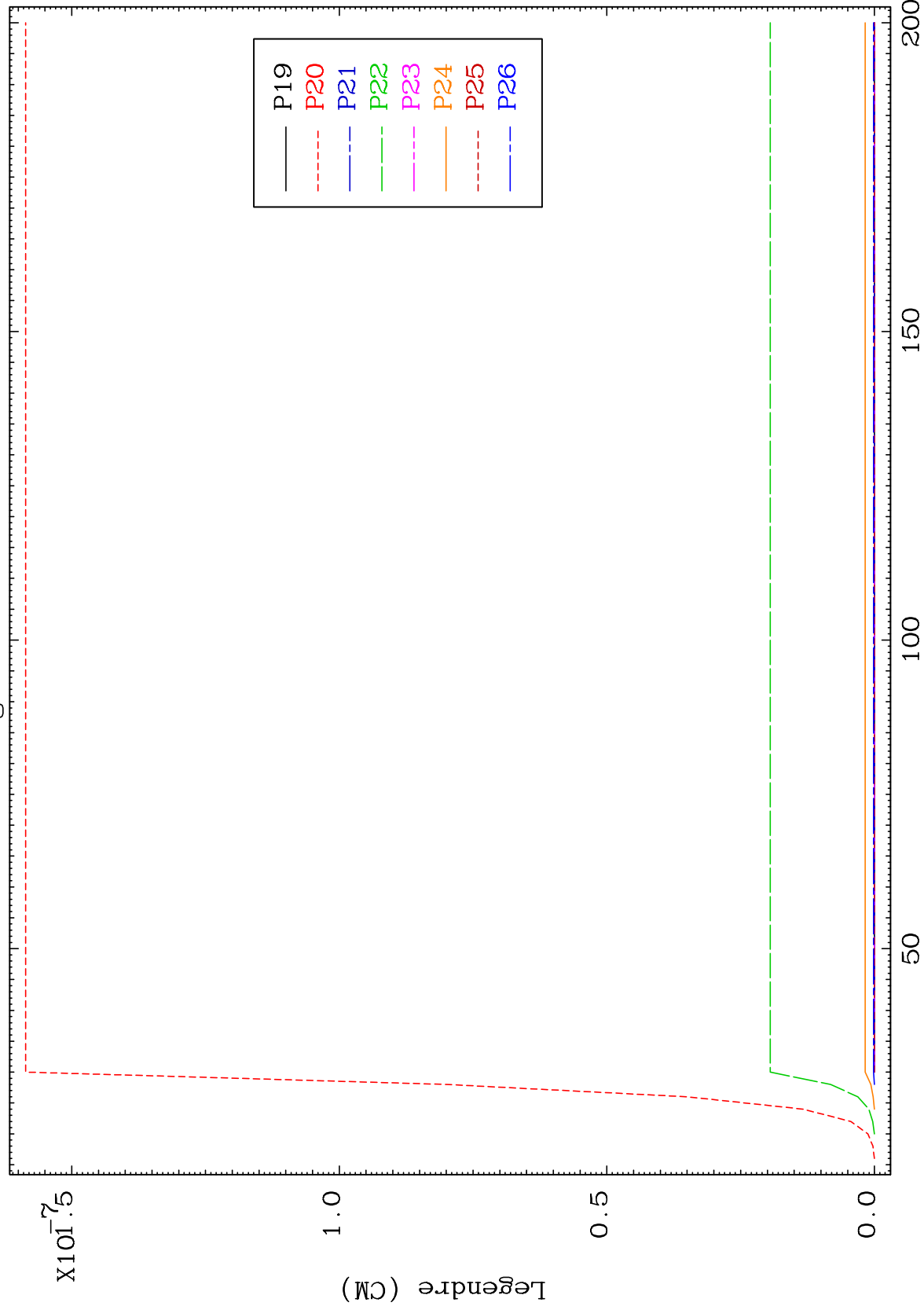
Incident Energy (MeV)

72

MAT 5464

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

54-Xe-137



54-Xe-137

Incident Energy (MeV)

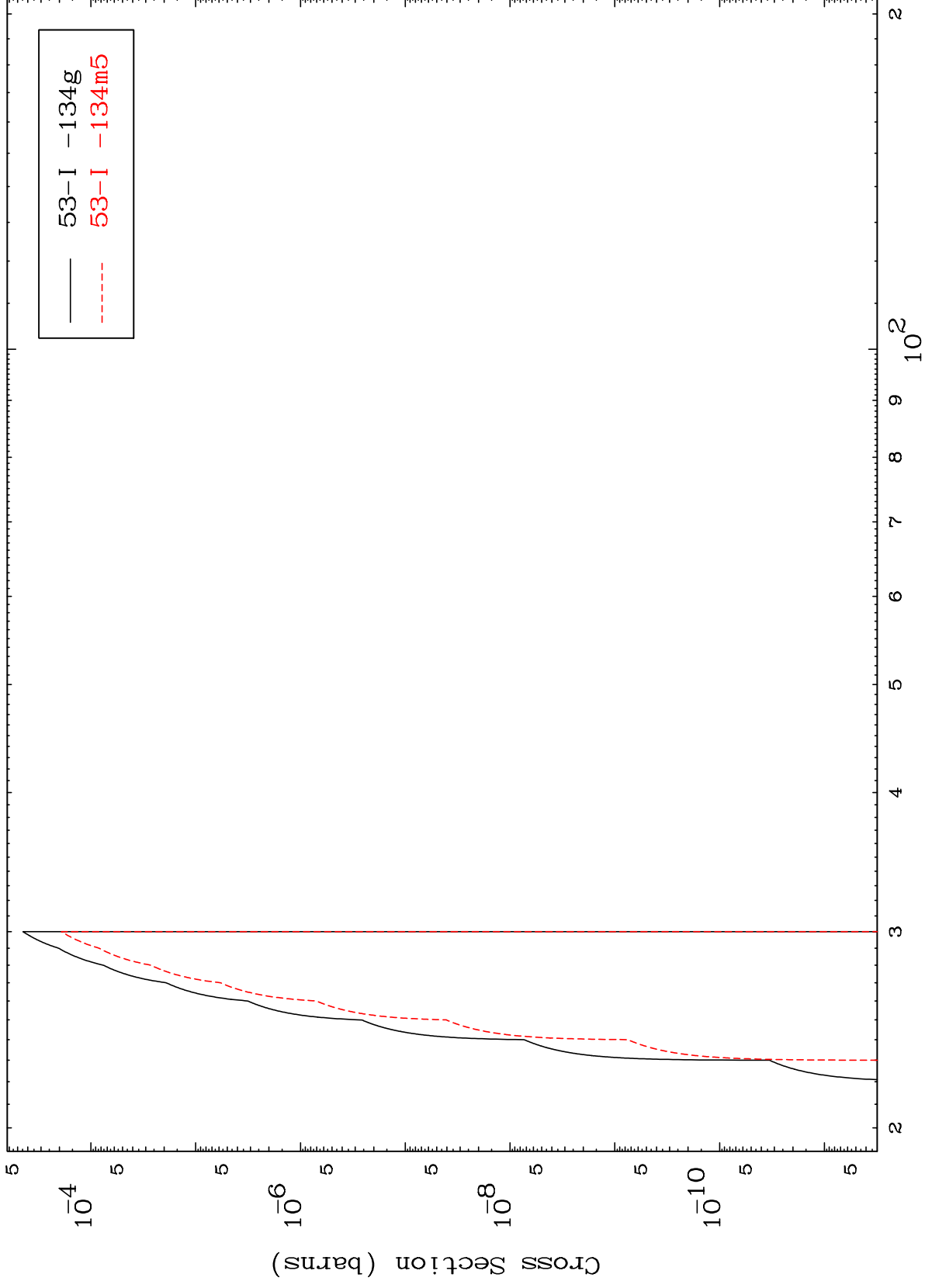
73

MAT 5464

(n,2n) d

54-Xe-137

Radionuclide Production Cross Section



74

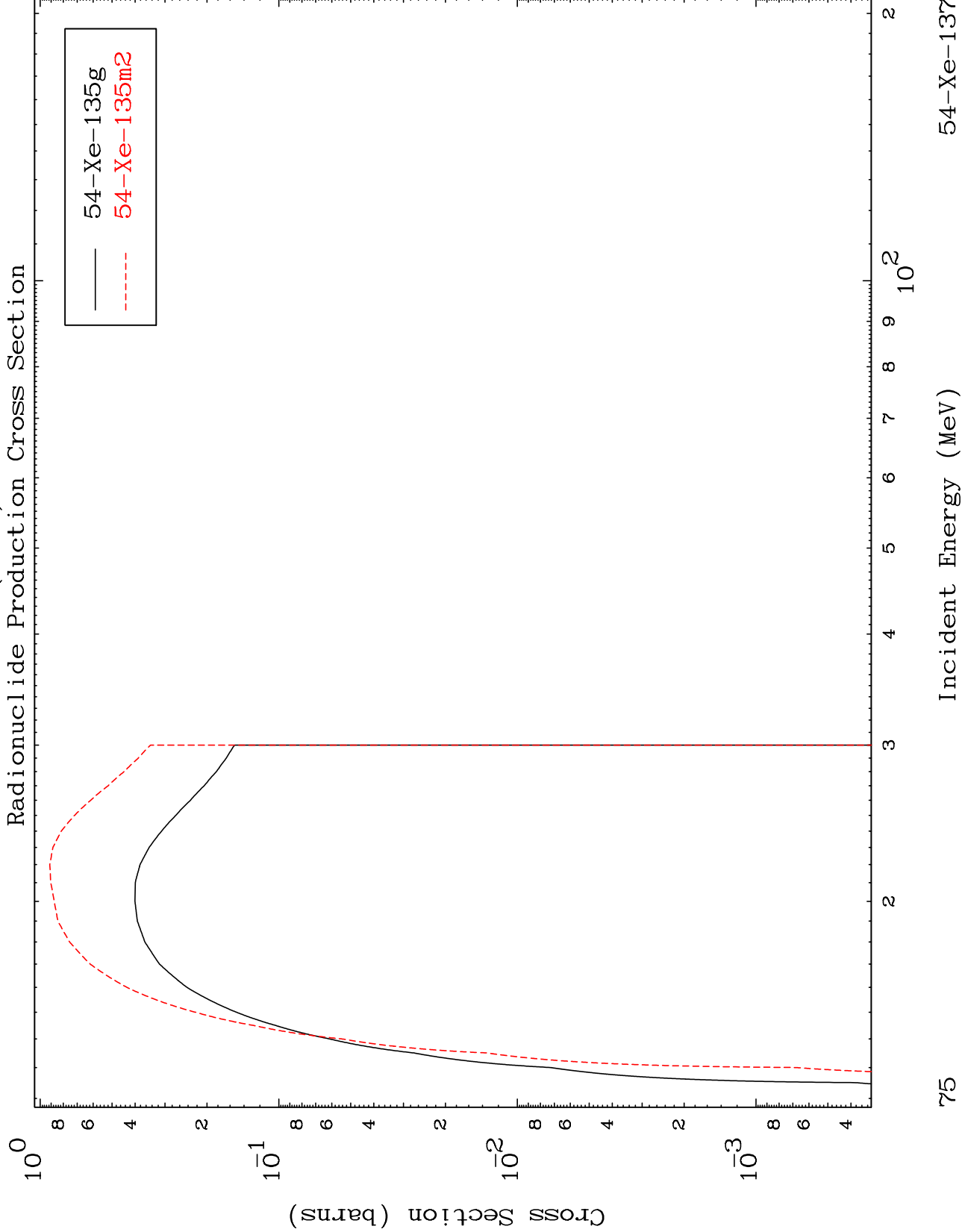
Incident Energy (MeV)

54-Xe-137

MAT 5464

(n,3n)

54-Xe-137



75

Incident Energy (MeV)

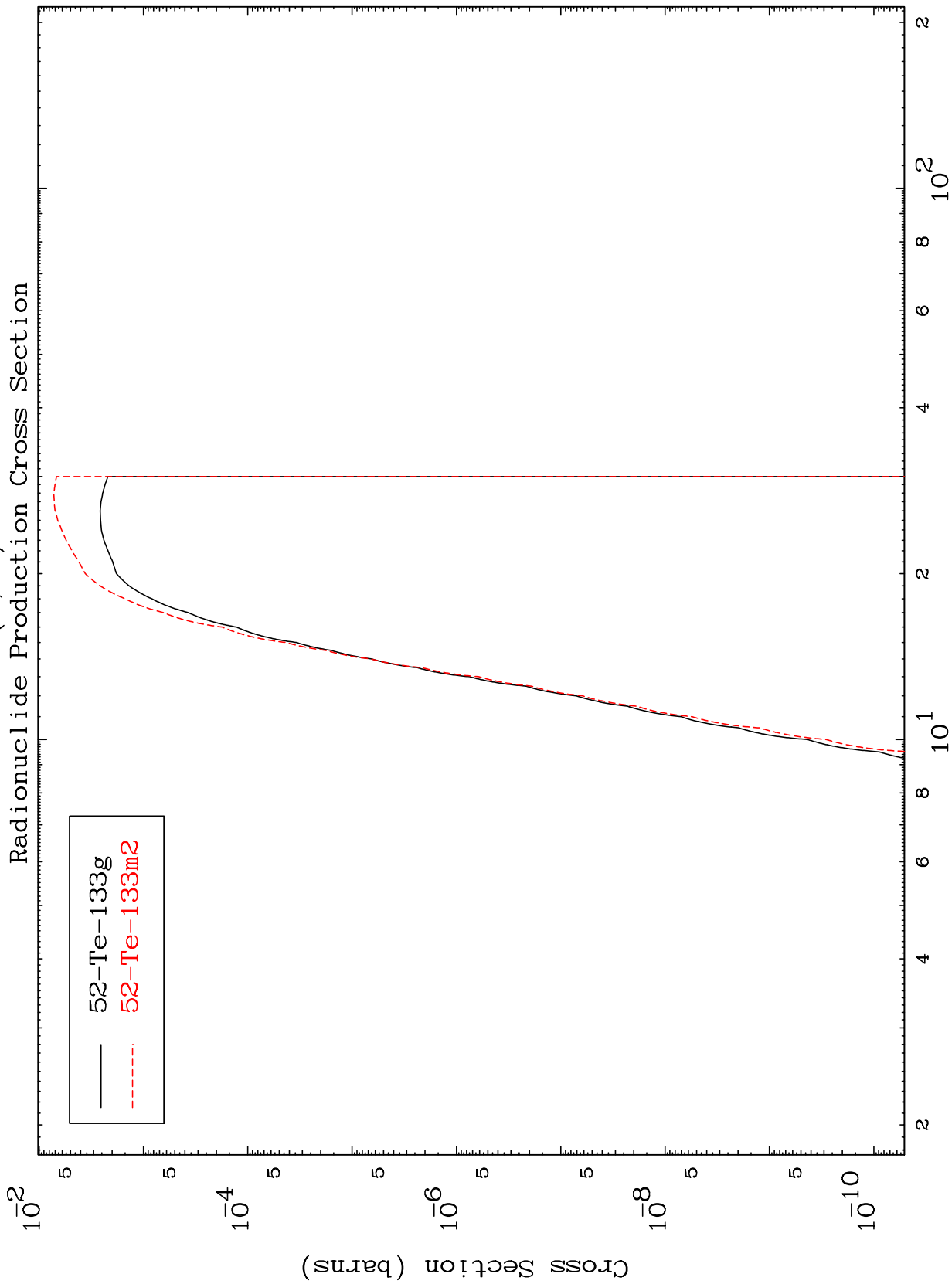
54-Xe-137

MAT 5464

54-Xe-137

(n,n')  $\alpha$

Radionuclide Production Cross Section



76

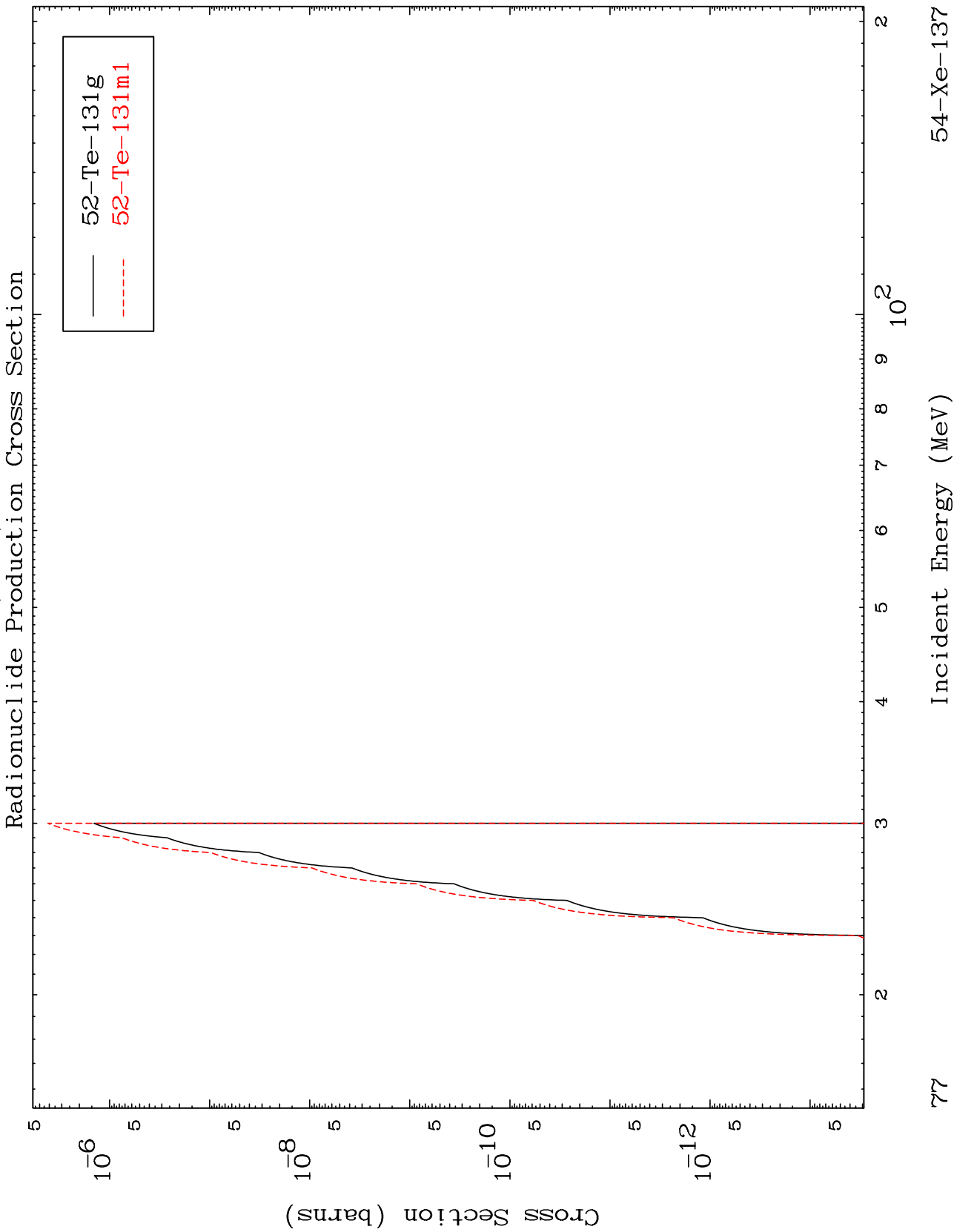
Incident Energy (MeV)

54-Xe-137

MAT 5464

(n,3n)  $\alpha$

54-Xe-137



77

Incident Energy (MeV)

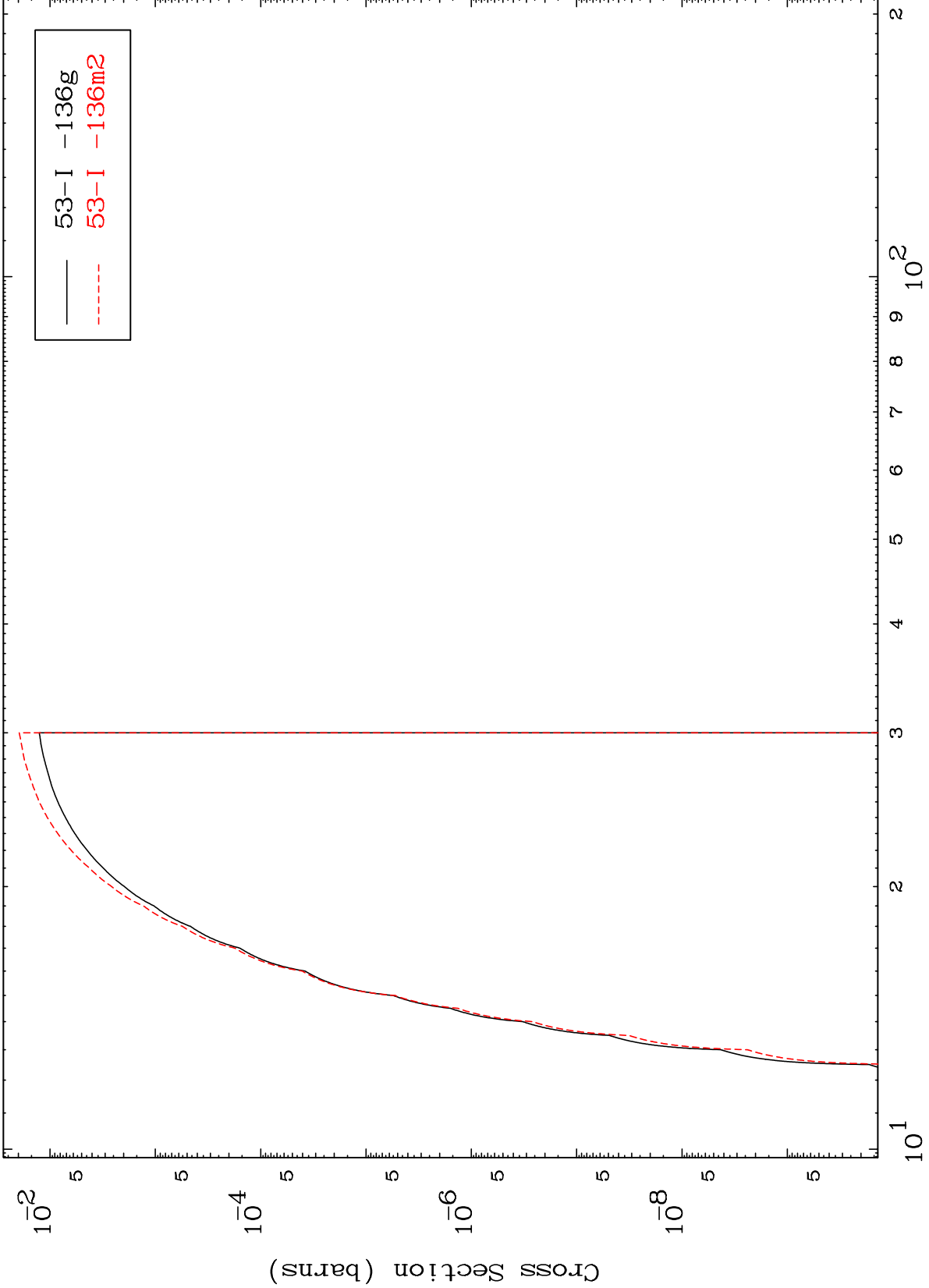
54-Xe-137

MAT 5464

(n,n') p

54-Xe-137

Radionuclide Production Cross Section



Incident Energy (MeV)

54-Xe-137

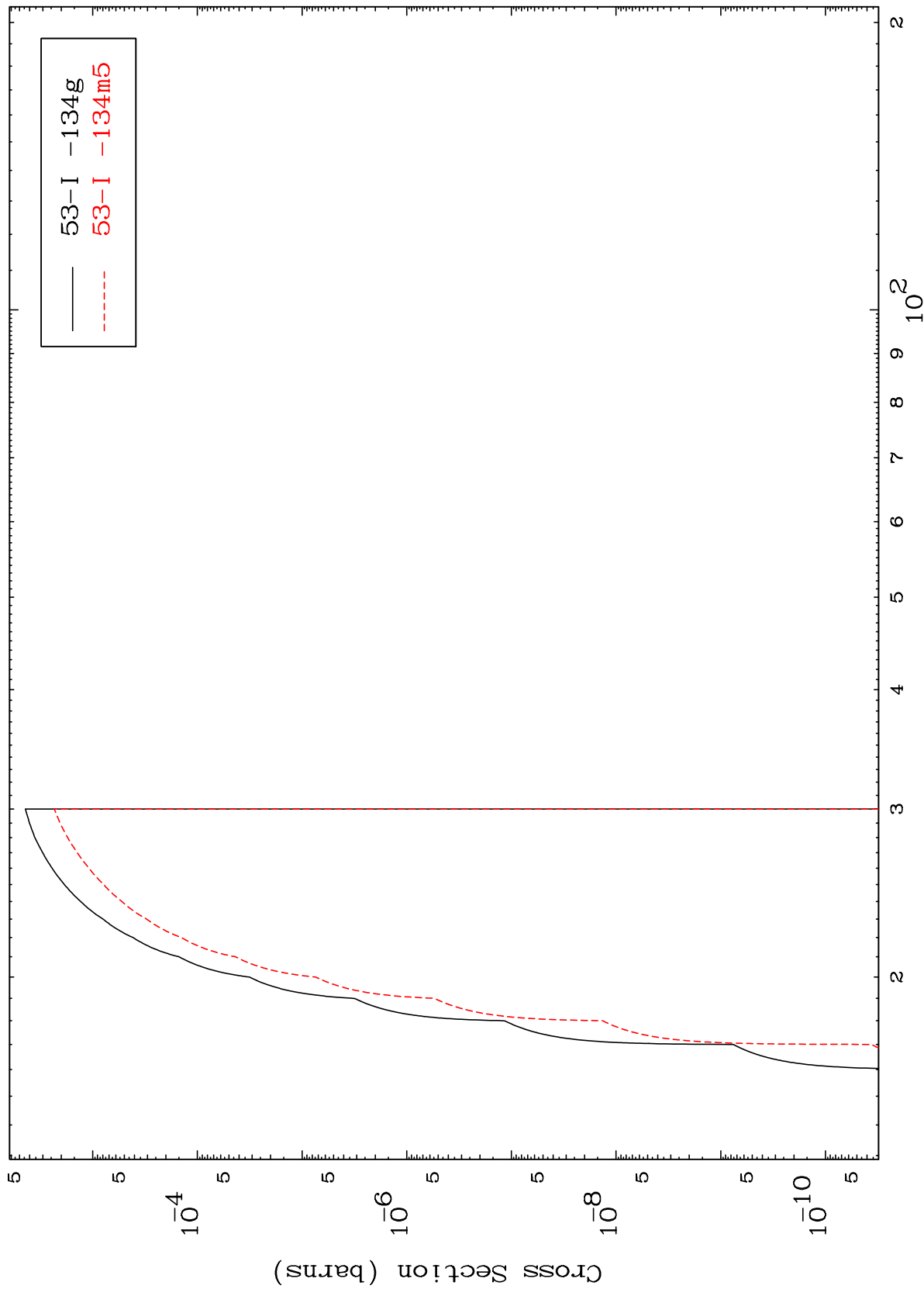
78

MAT 5464

(n,n') t

54-Xe-137

Radionuclide Production Cross Section



79

Incident Energy (MeV)

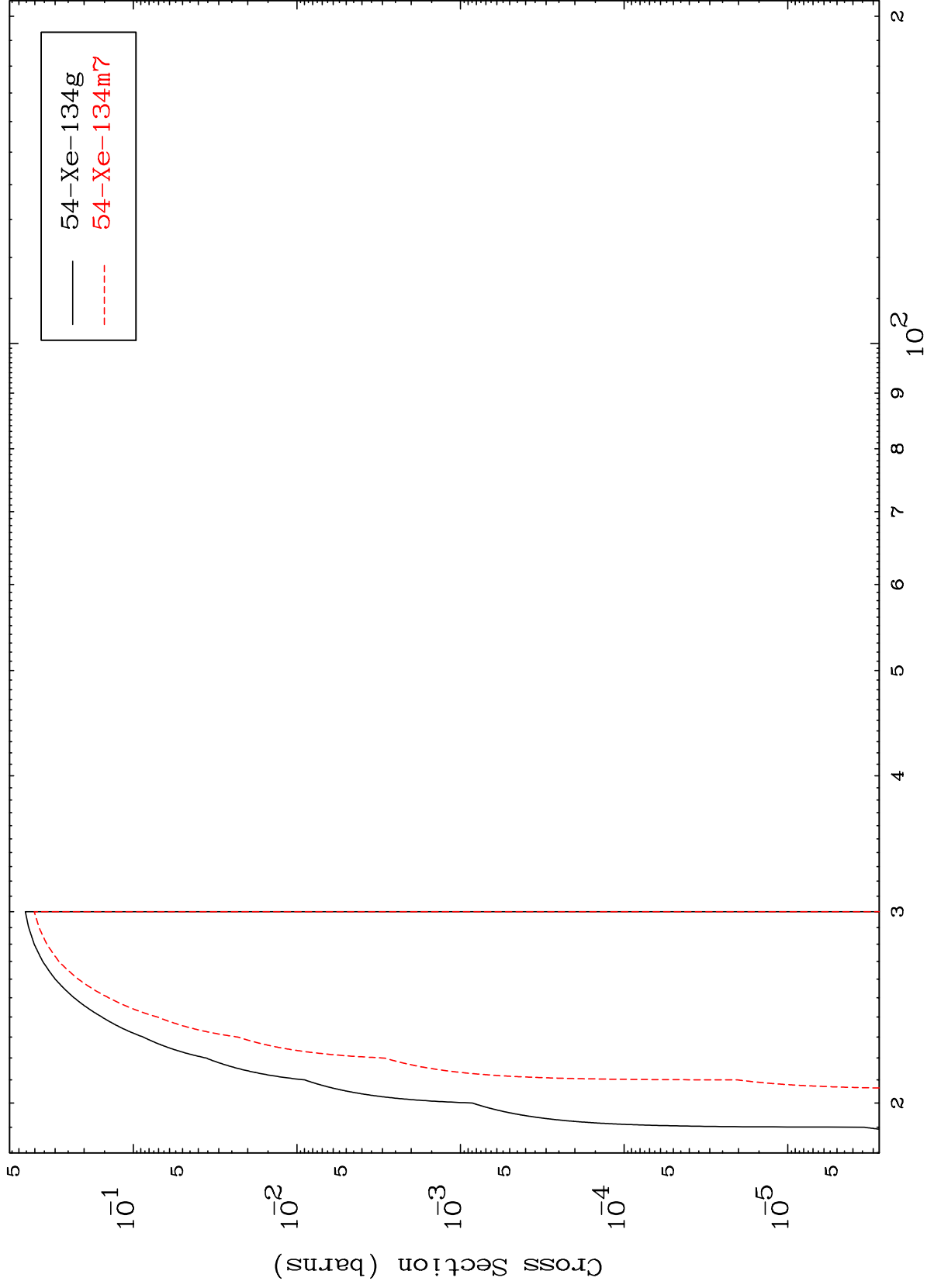
54-Xe-137

MAT 5464

(n,4n)

54-Xe-137

Radionuclide Production Cross Section

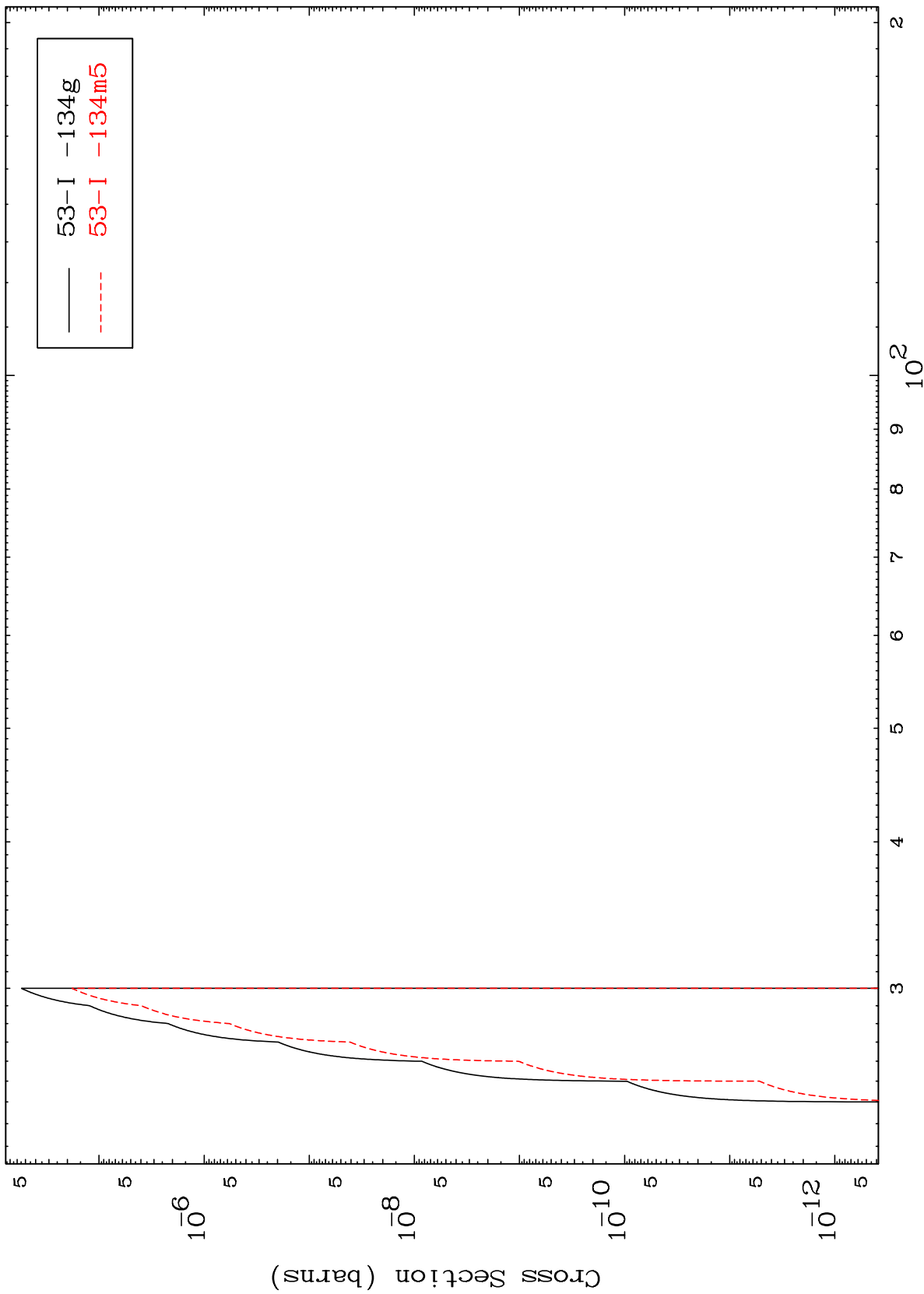


80

Incident Energy (MeV)

54-Xe-137

Radionuclide Production Cross Section

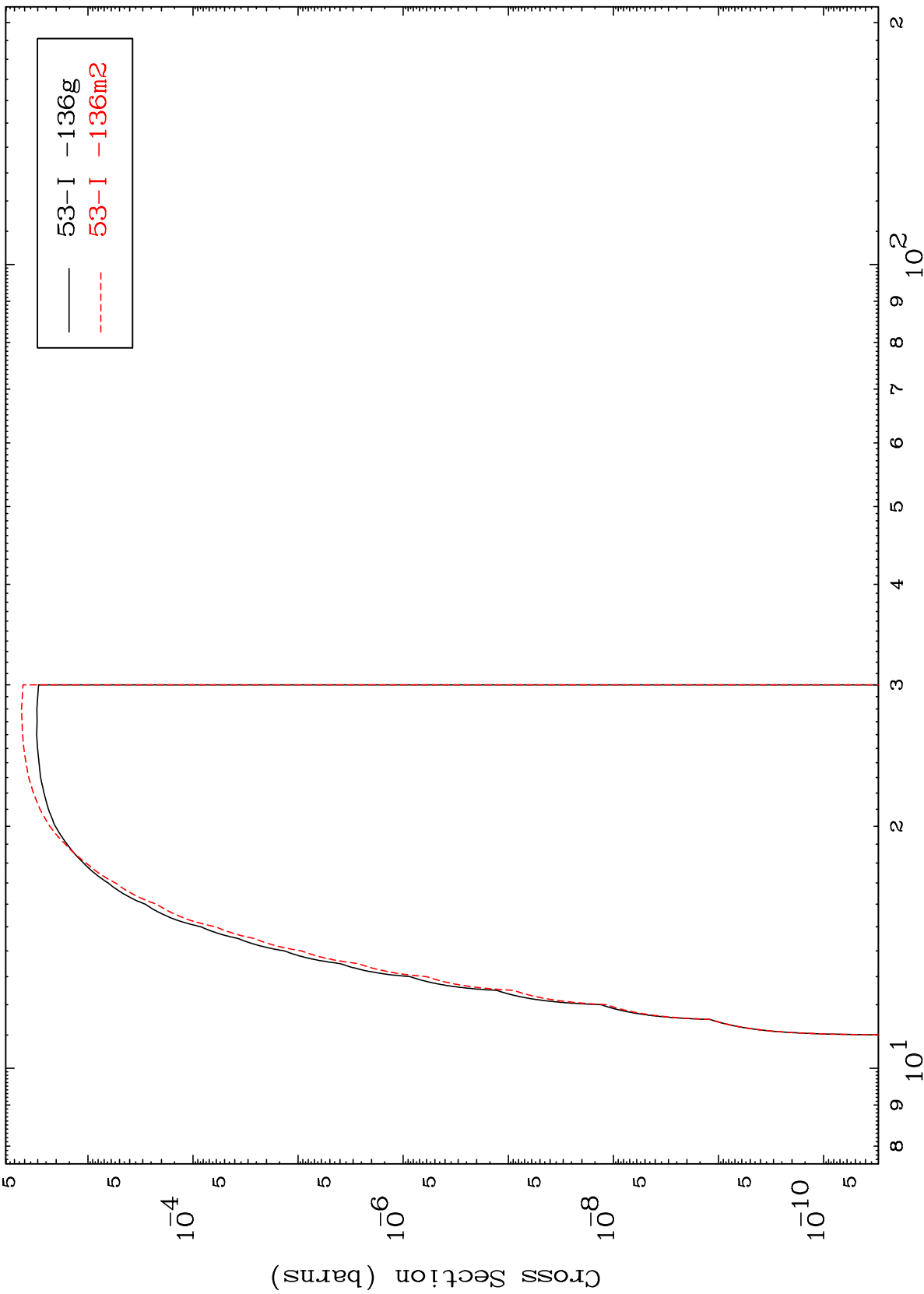


53-I -134g  
53-I -134m5

MAT 5464

54-Xe-137

(n,d)  
Radionuclide Production Cross Section



82

Incident Energy (MeV)

54-Xe-137

MAT 5464

(n,2α)

54-Xe-137

Radionuclide Production Cross Section

