

Program EVALPLOT  
(Version 2021-1)

by

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(Present Contact Information)

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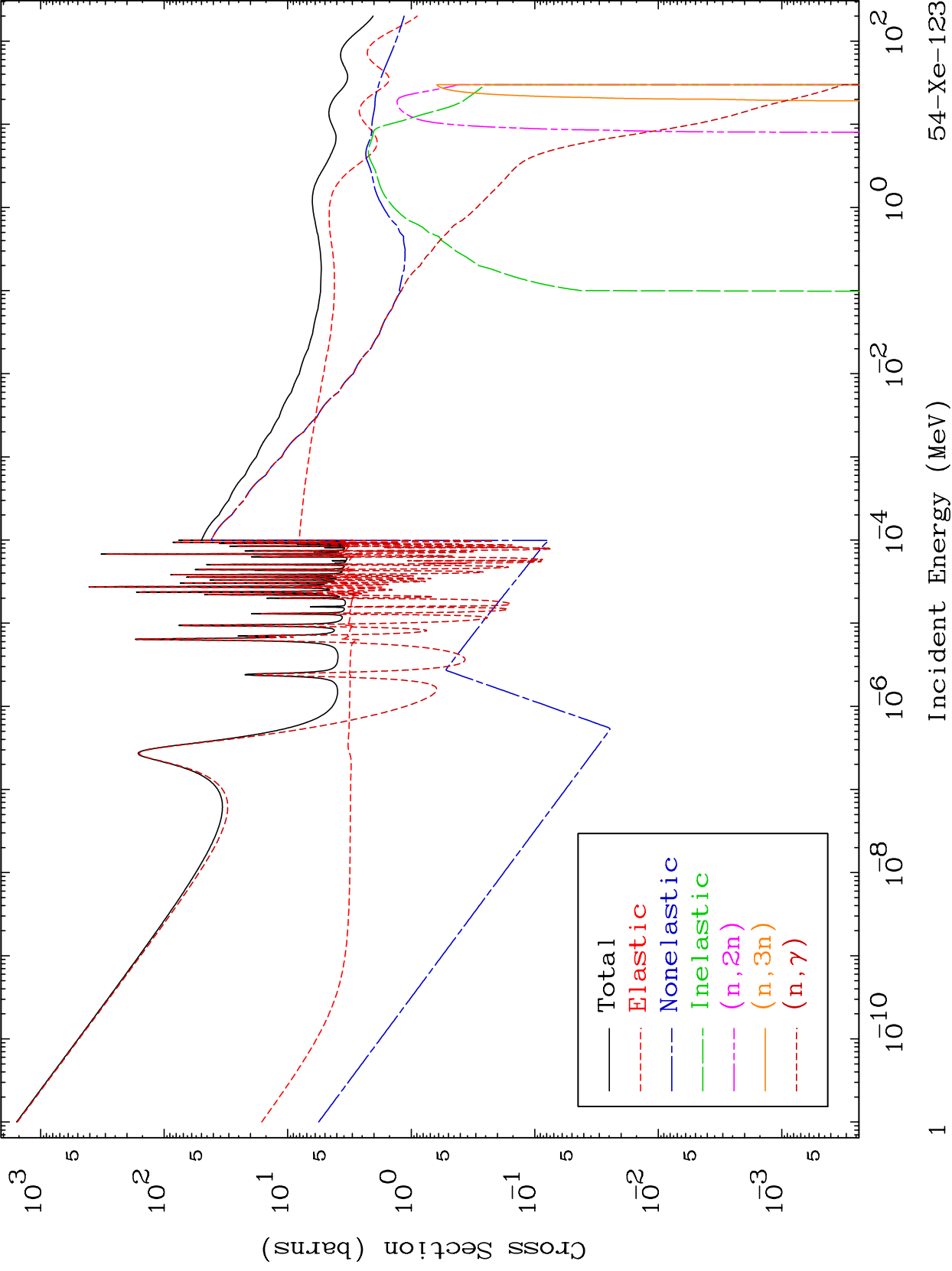
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5422

Neutron Major  
293 Kelvin Cross Sections

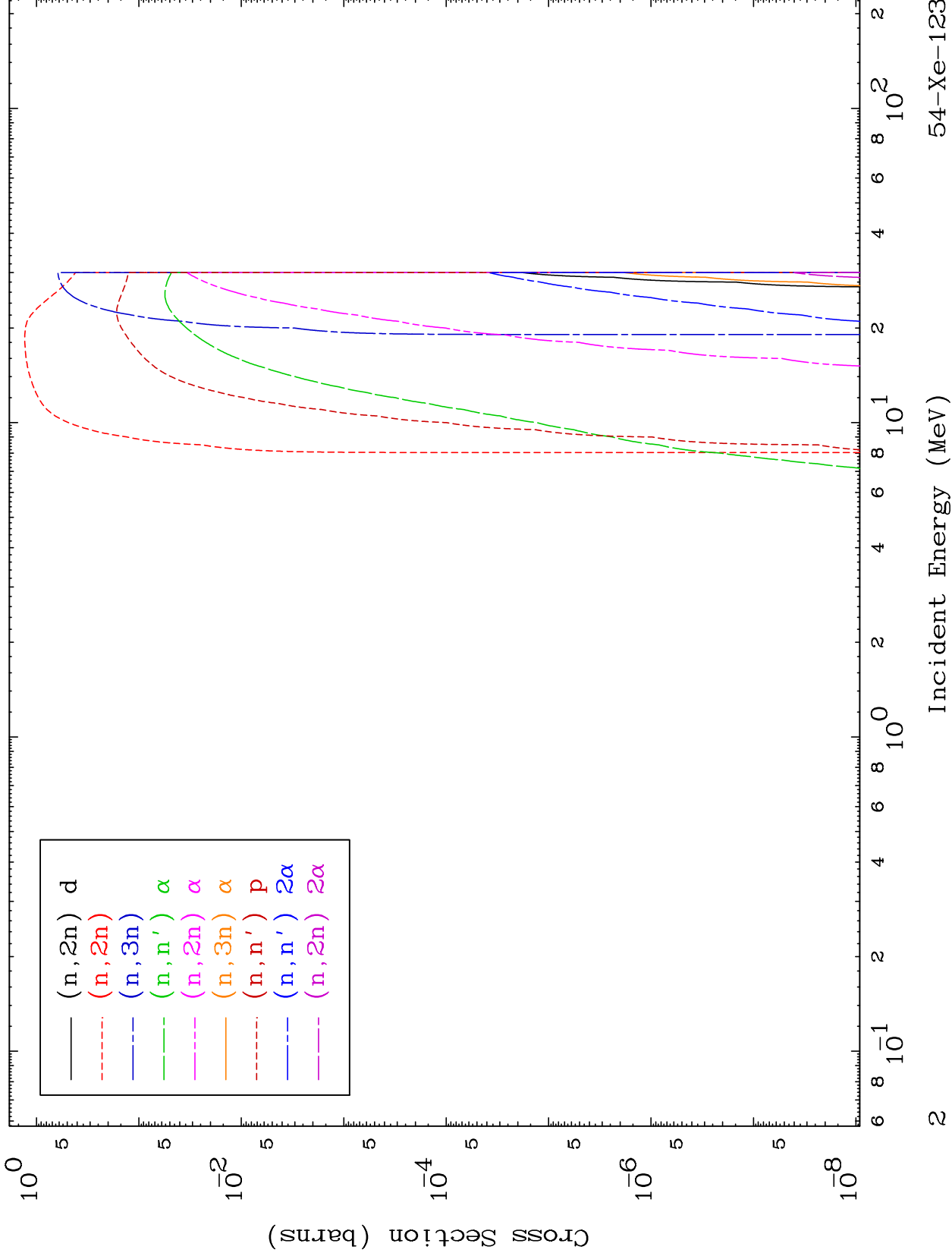
54-Xe-123

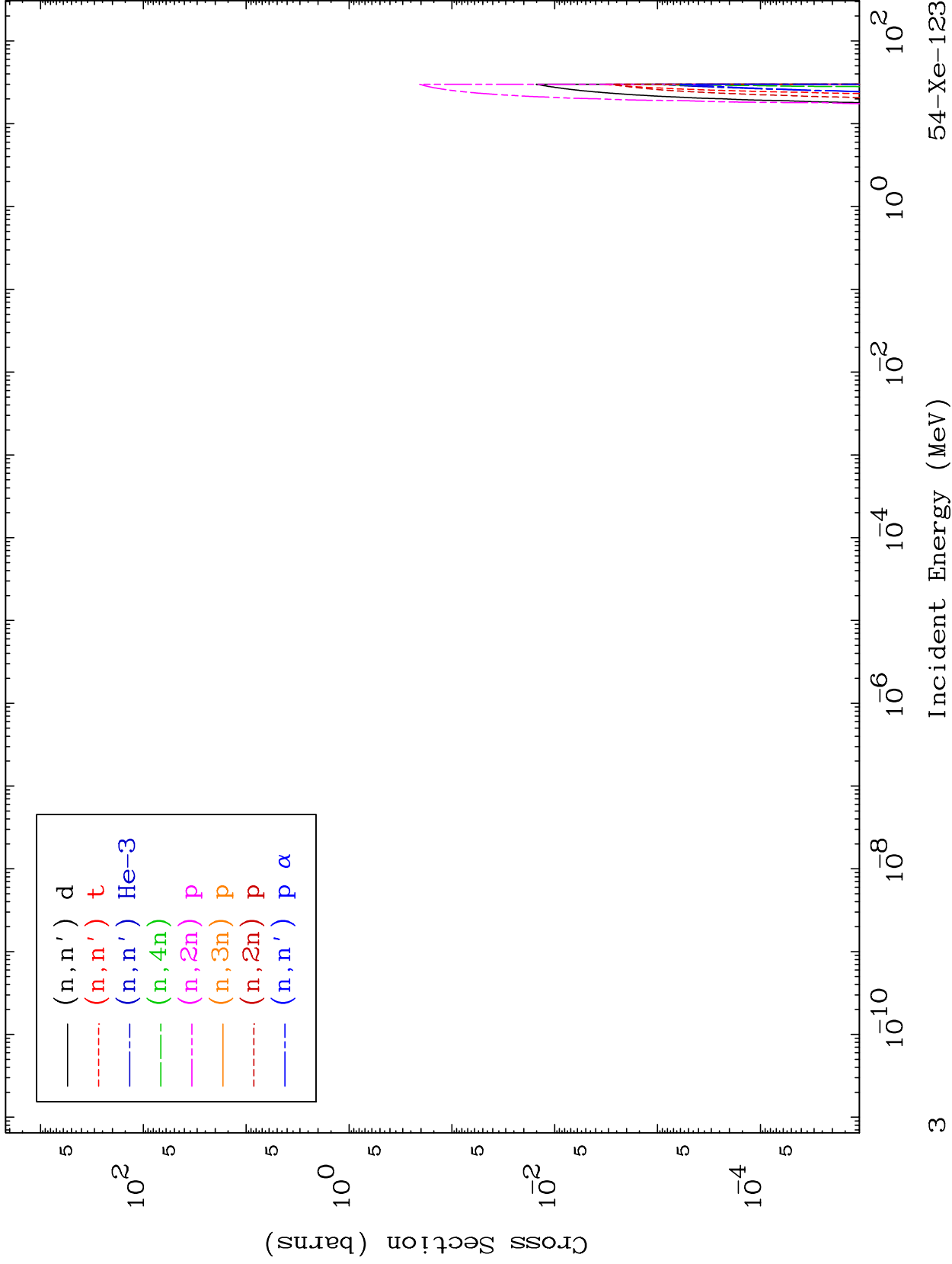


MAT 5422

Neutron Absorption  
293 Kelvin Cross Sections

54-Xe-123

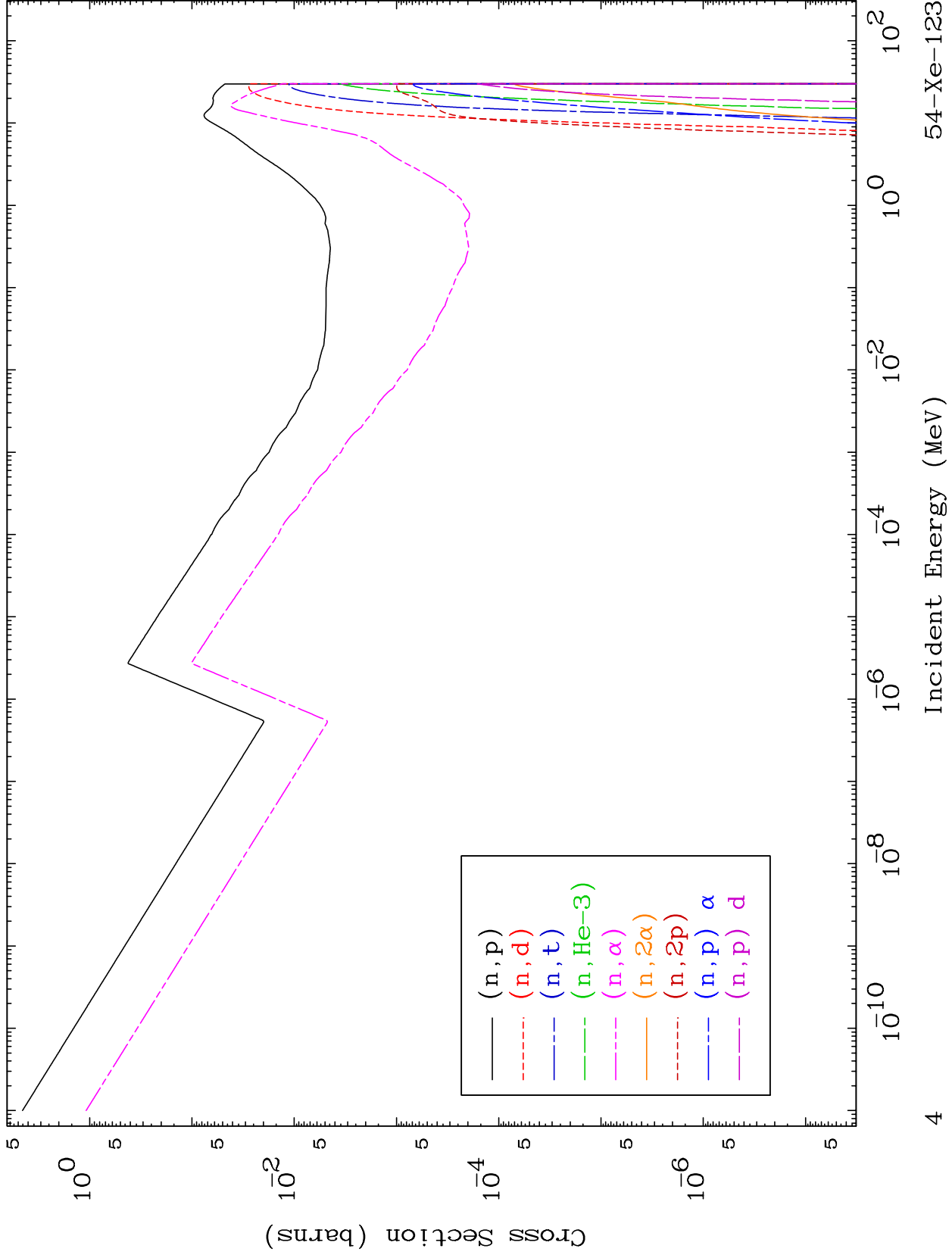


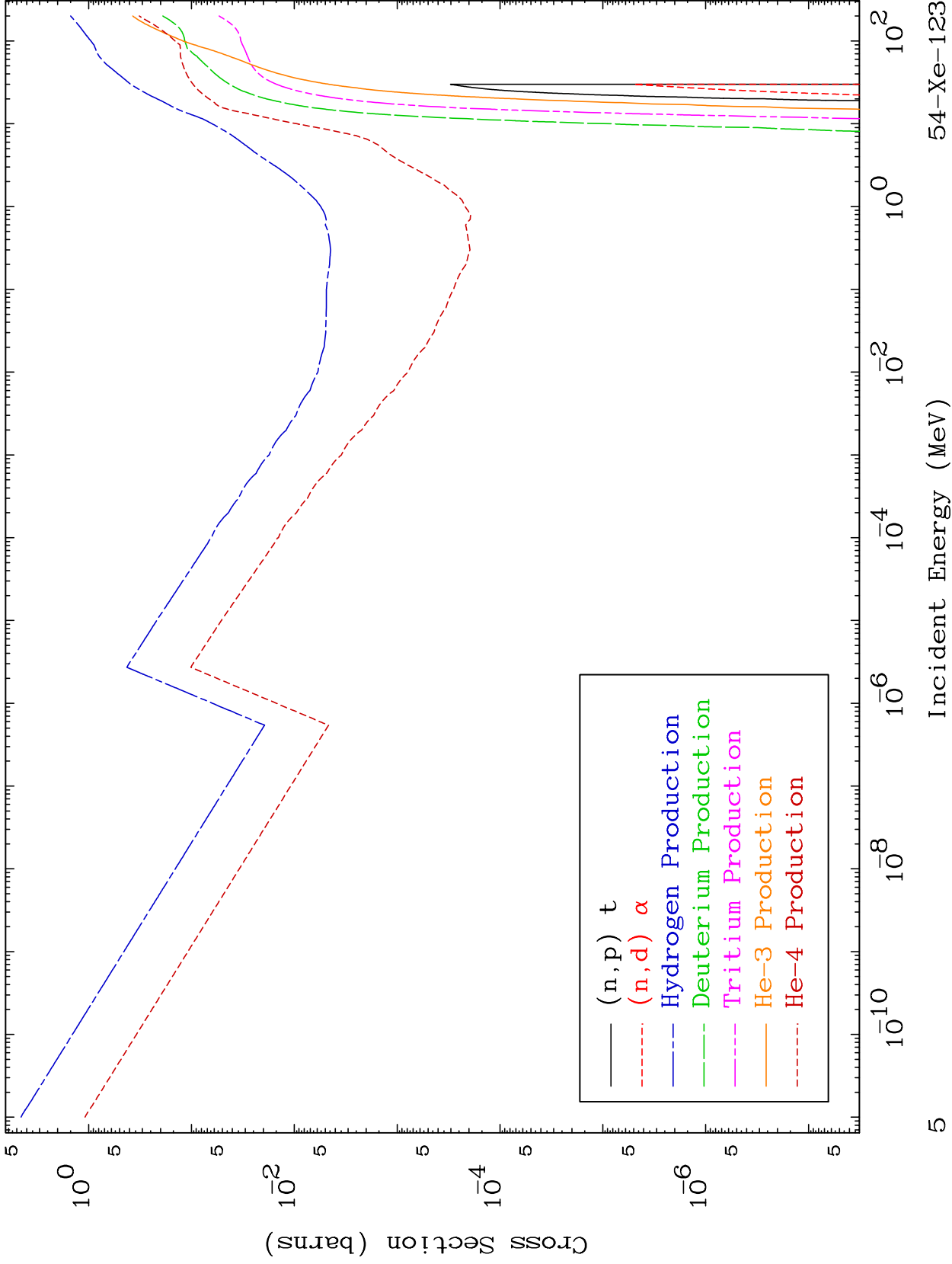


MAT 5422

Neutron Absorption  
293 Kelvin Cross Sections

54-Xe-123

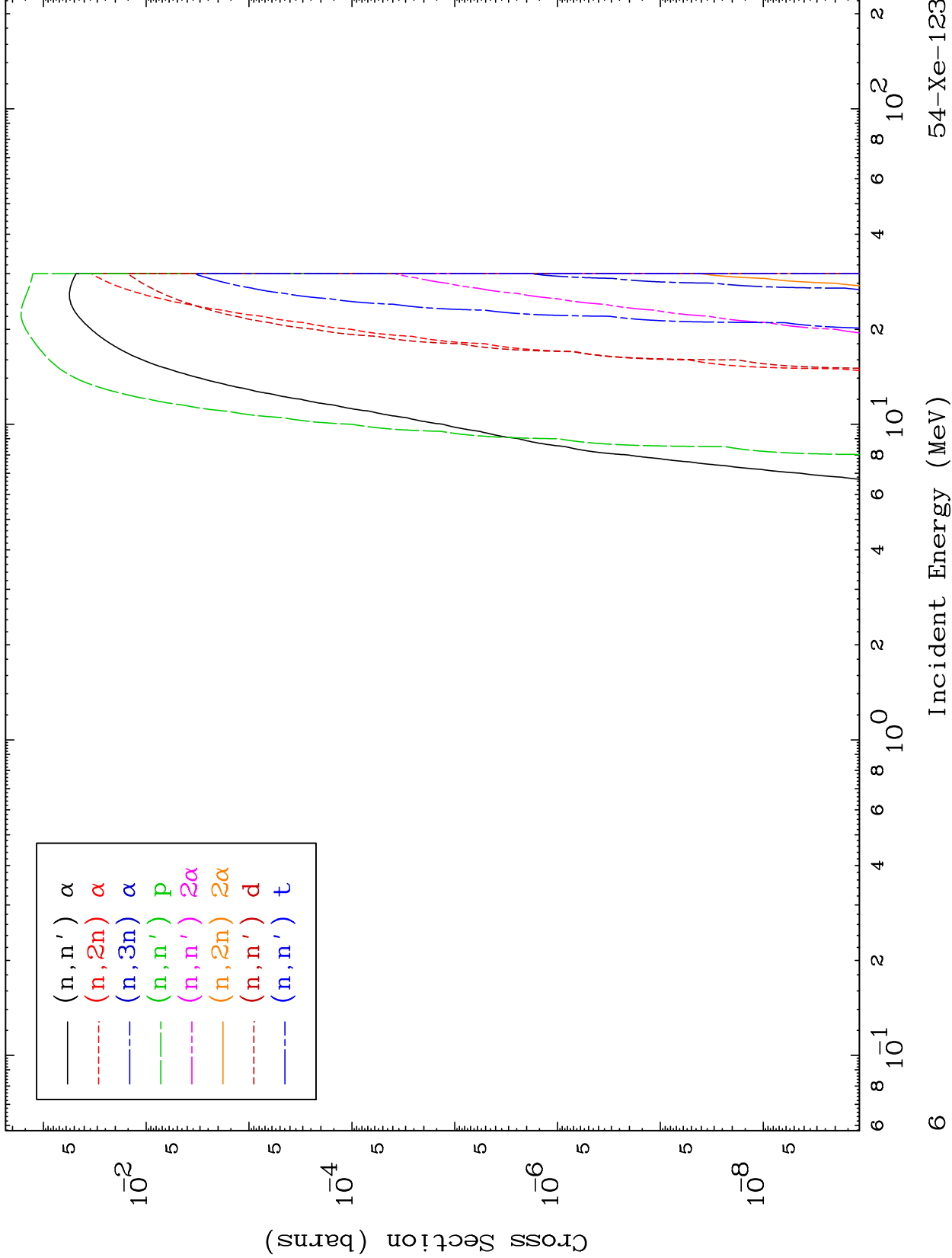




MAT 5422

293 Kelvin Cross Sections  
Charged Particle

54-Xe-123



54-Xe-123

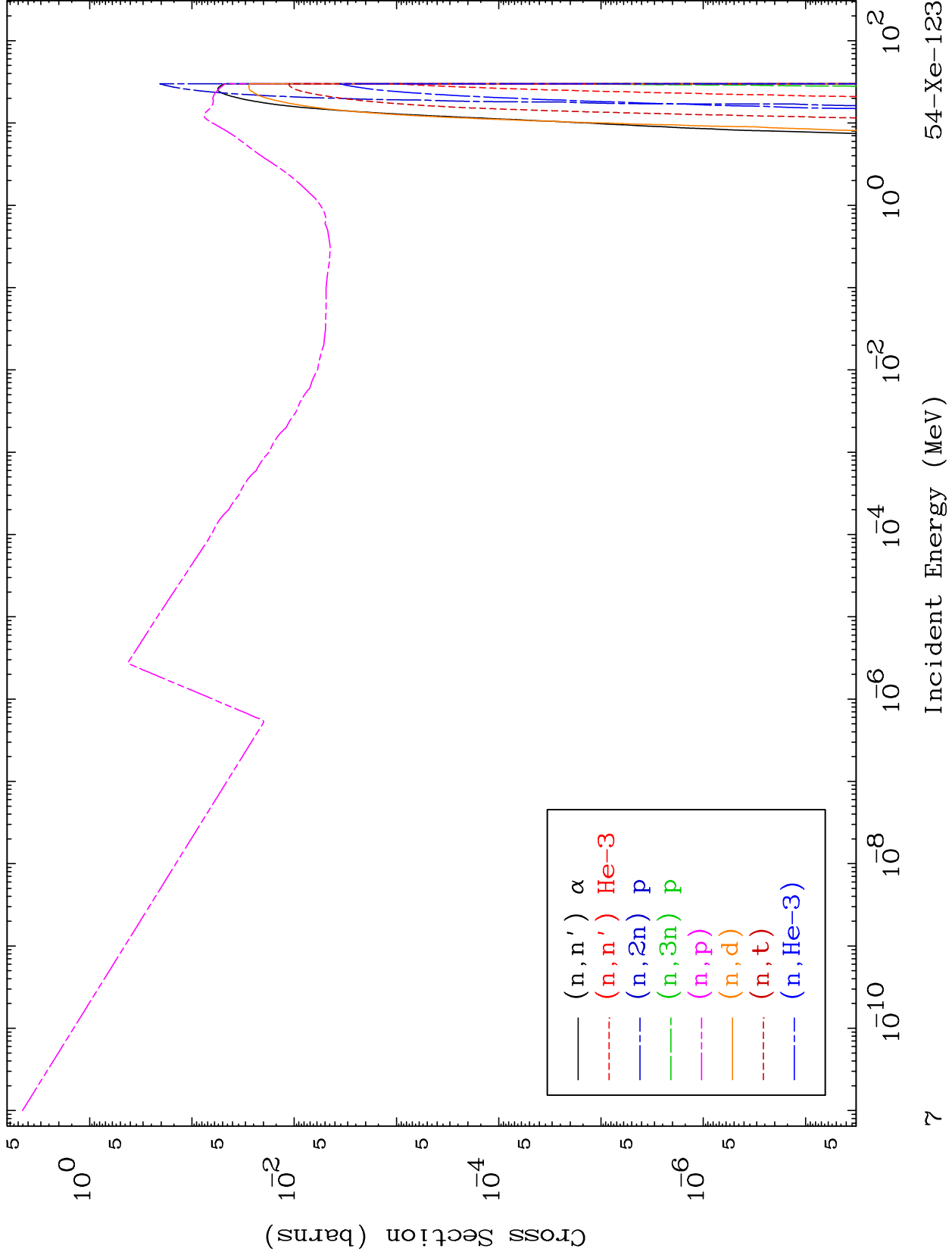
Incident Energy (MeV)

6

MAT 5422

Charged Particle  
293 Kelvin Cross Sections

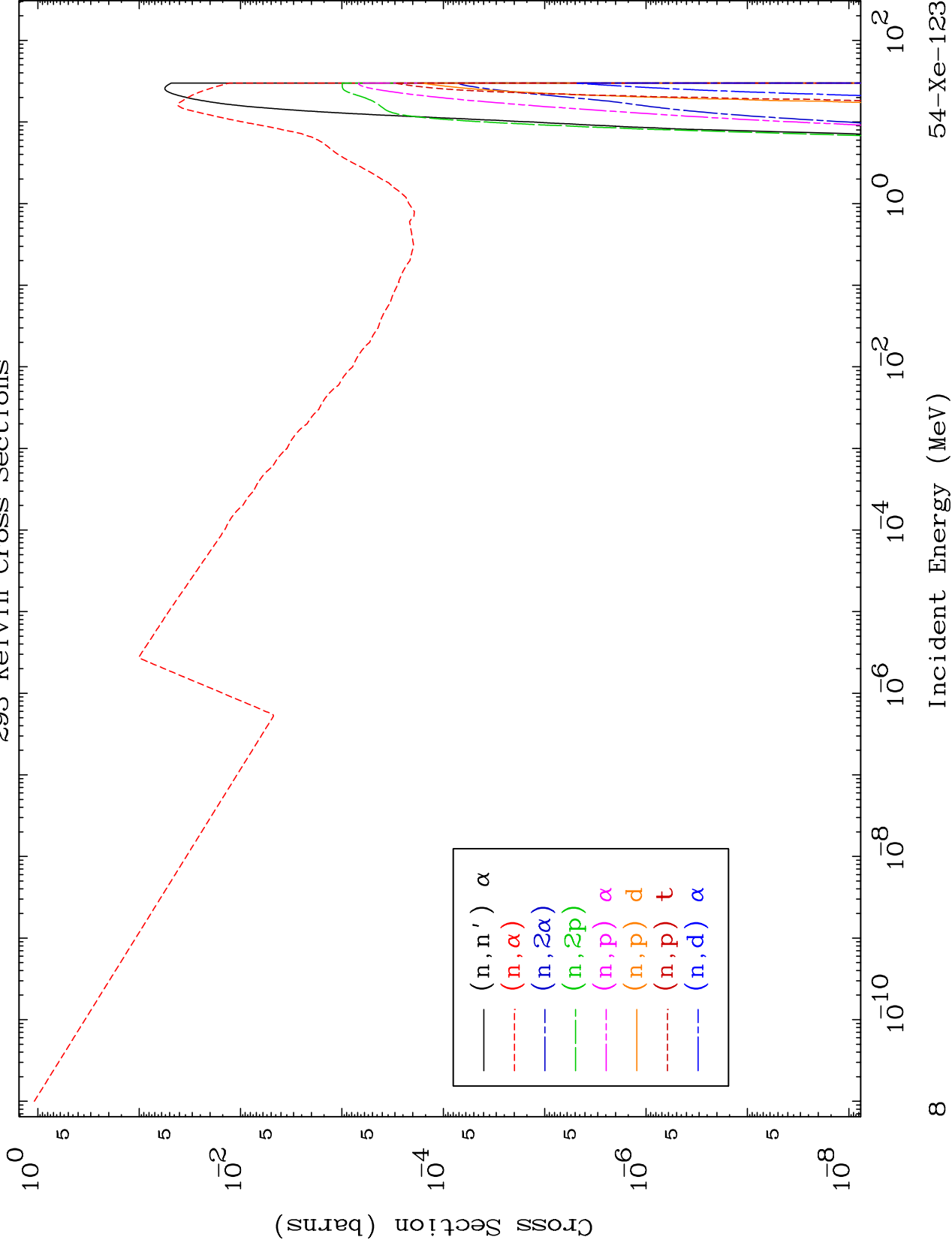
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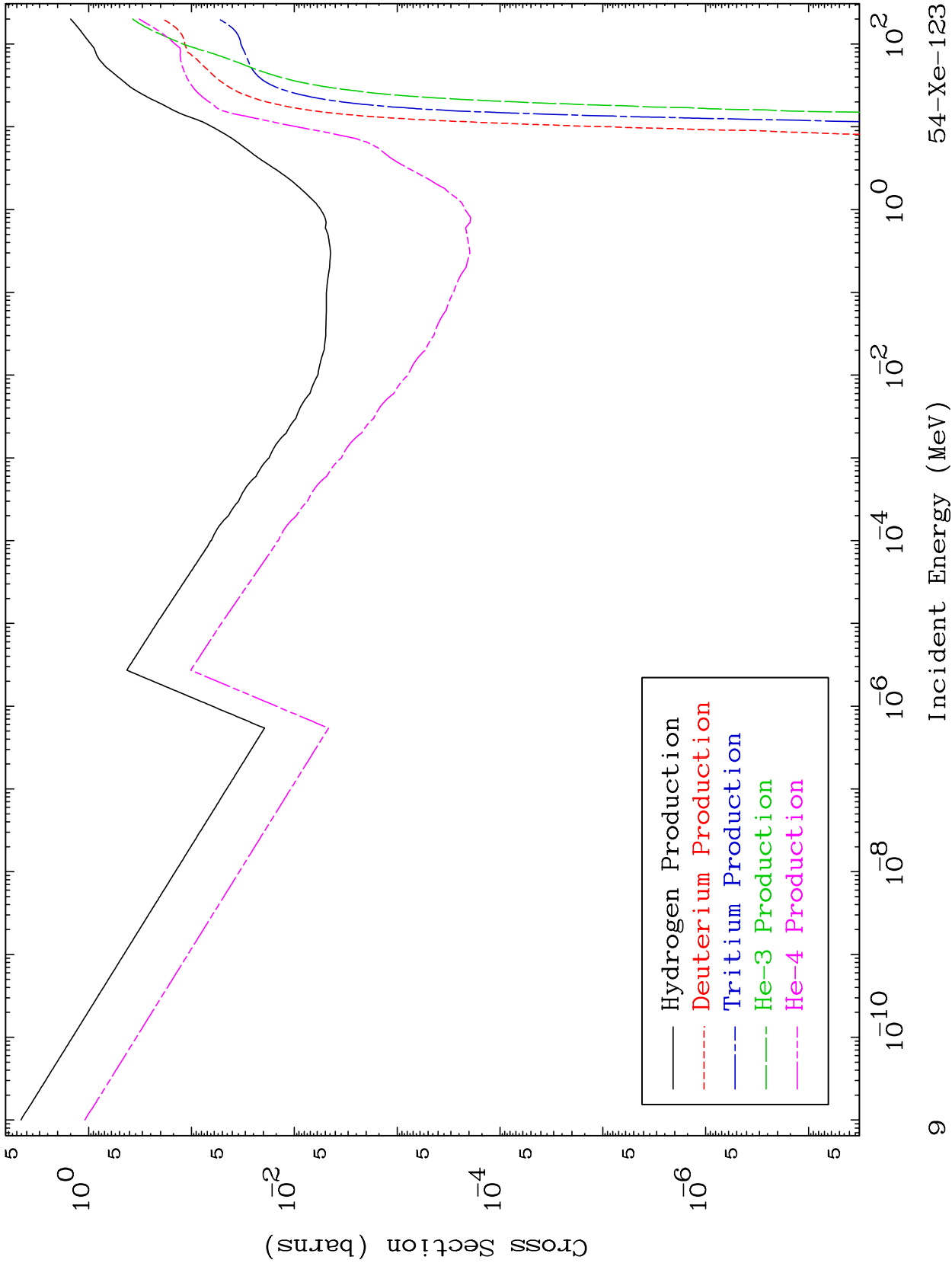


MAT 5422

Charged Particle  
293 Kelvin Cross Sections

54-Xe-123



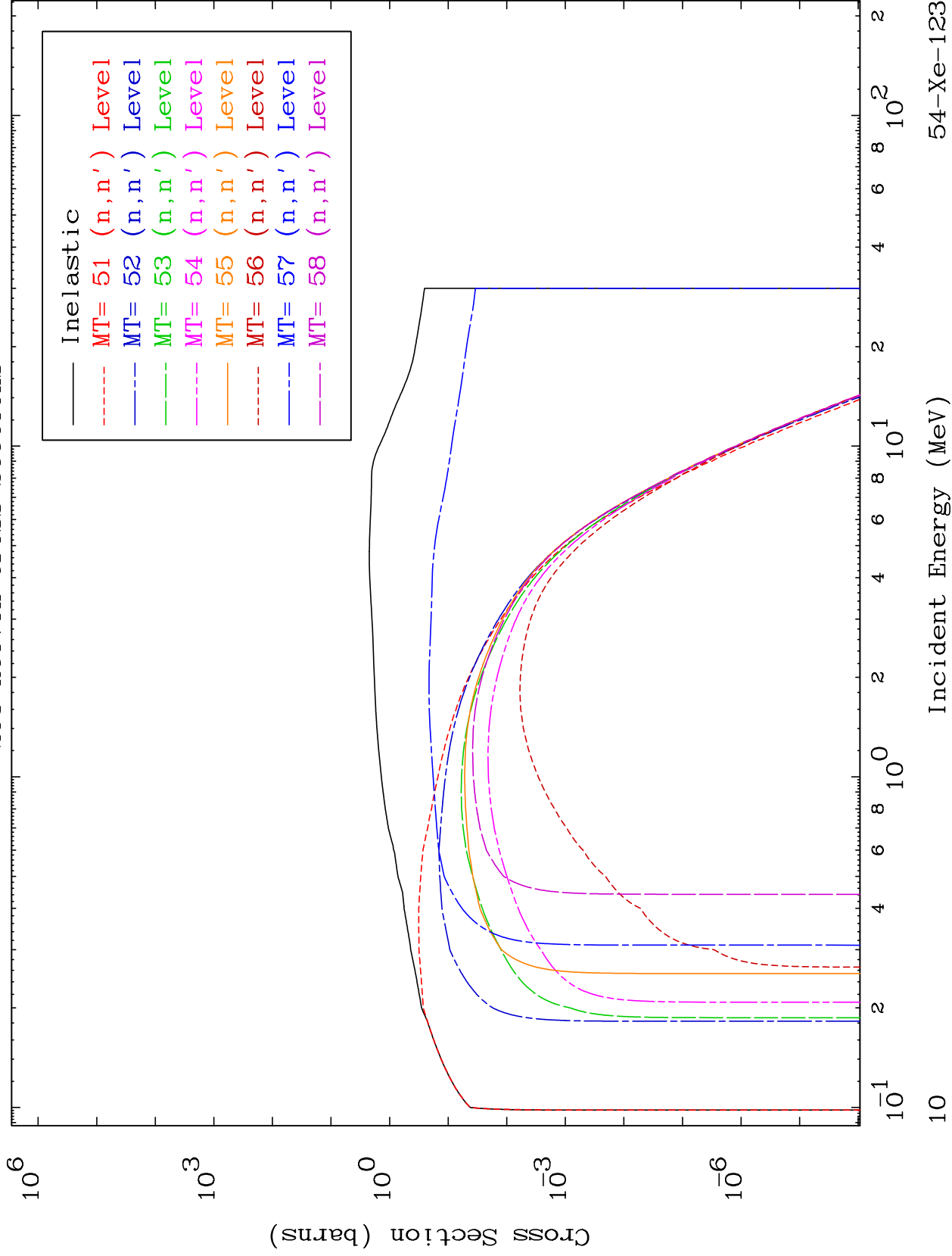


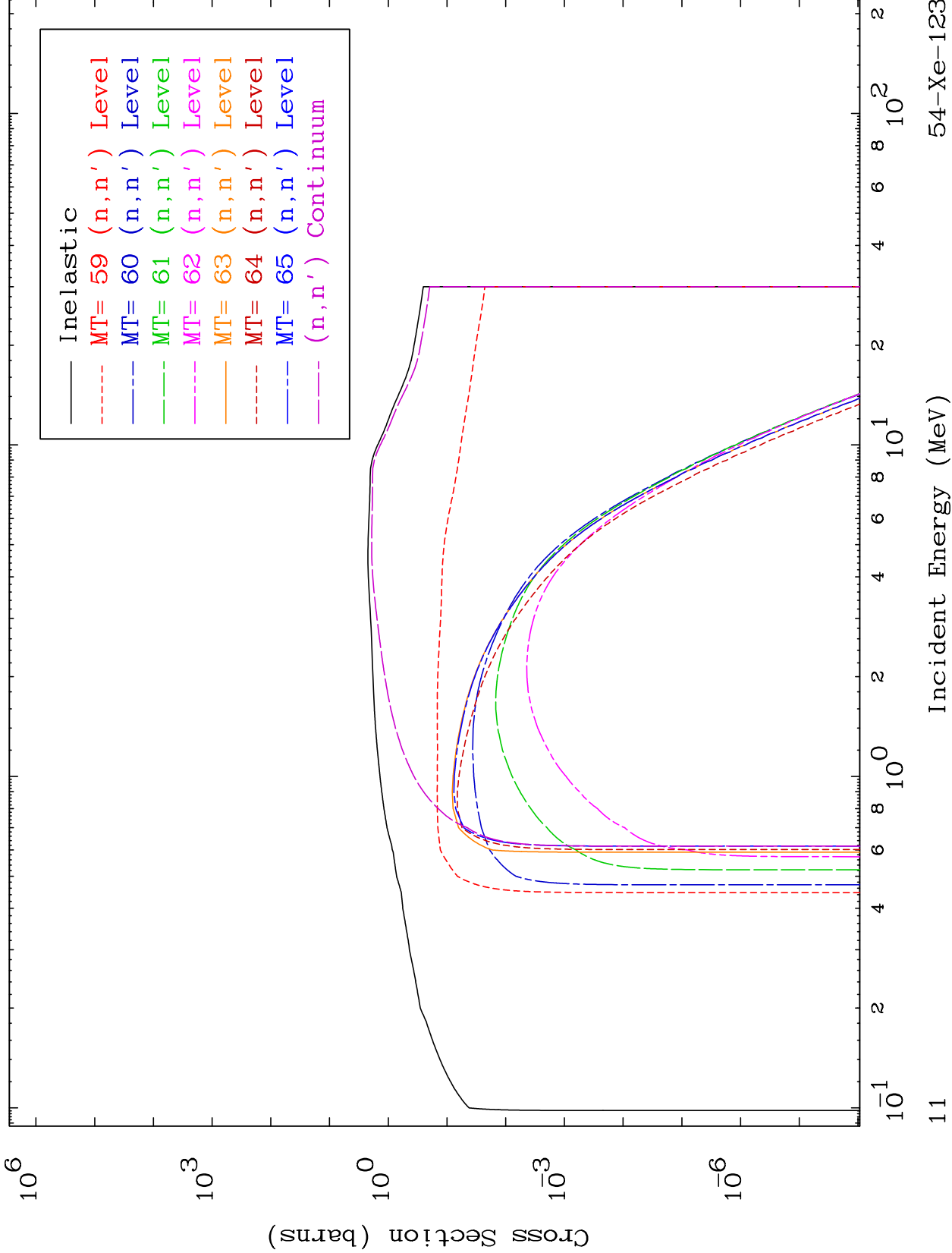
MAT 5422

(n,n') Levels

293 Kelvin Cross Sections

54-Xe-123

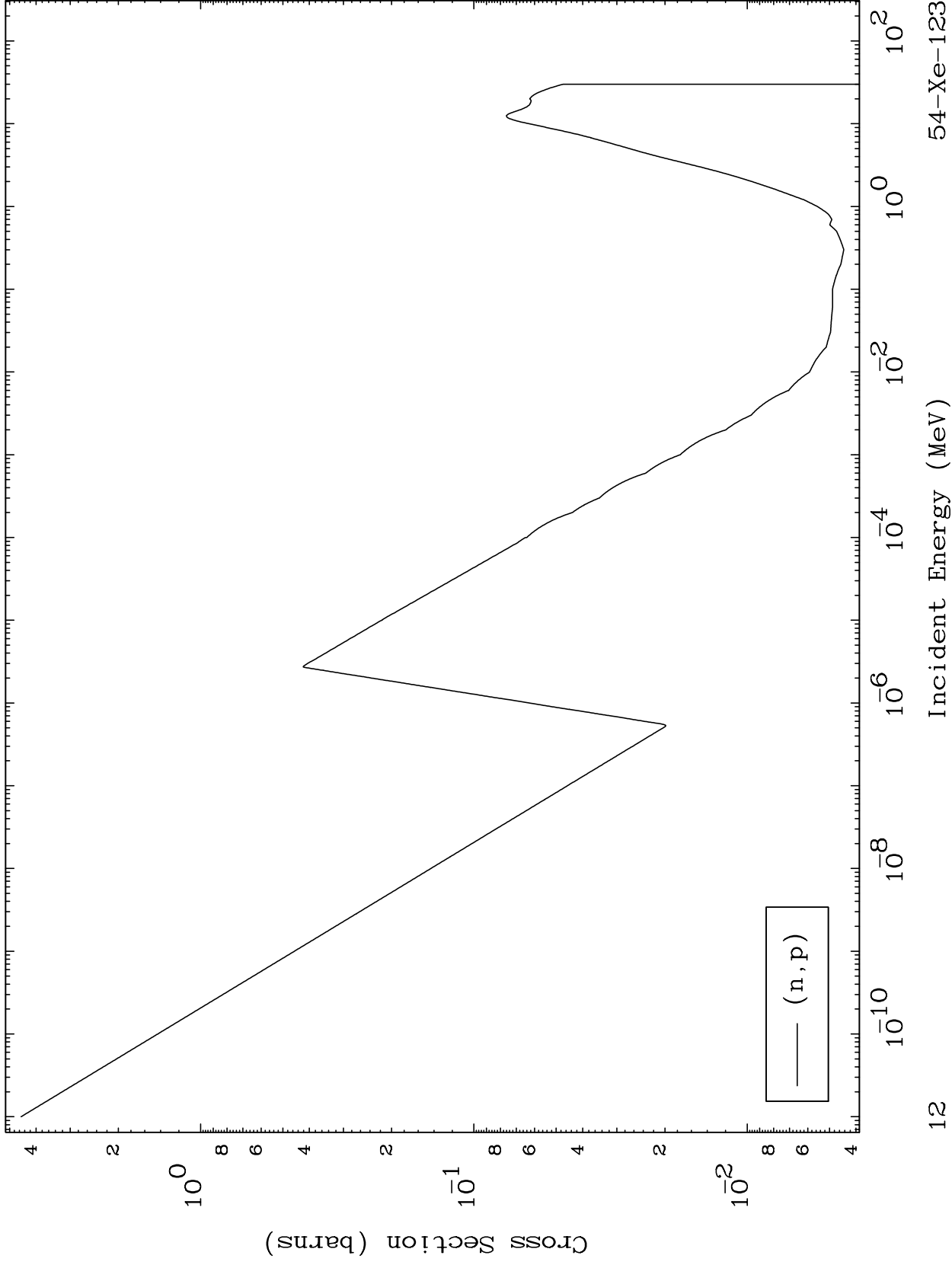




MAT 5422

(n,p) Levels  
293 Kelvin Cross Sections

54-Xe-123



12

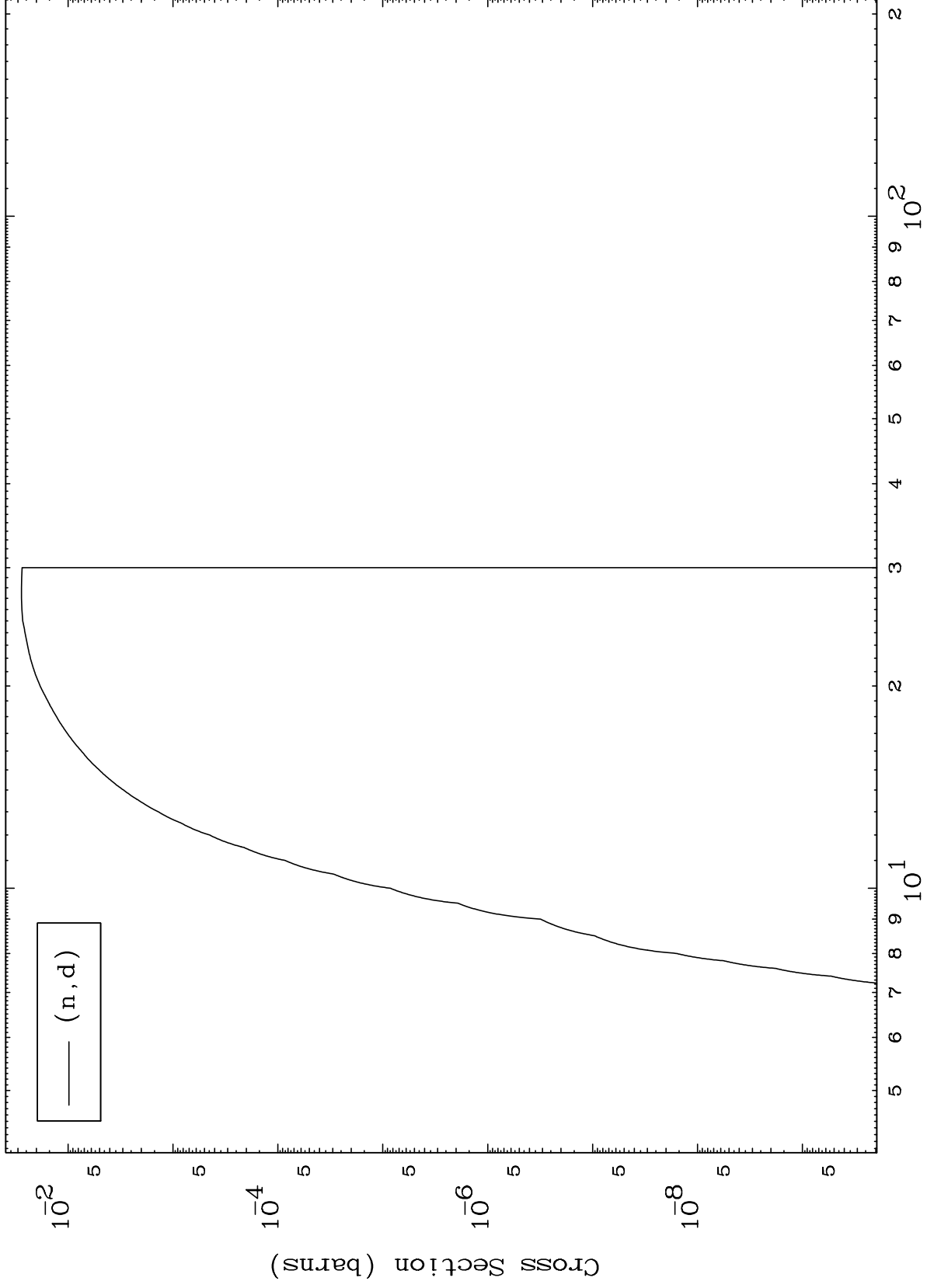
Incident Energy (MeV)

54-Xe-123

MAT 5422

(n,d) Levels  
293 Kelvin Cross Sections

54-Xe-123



13

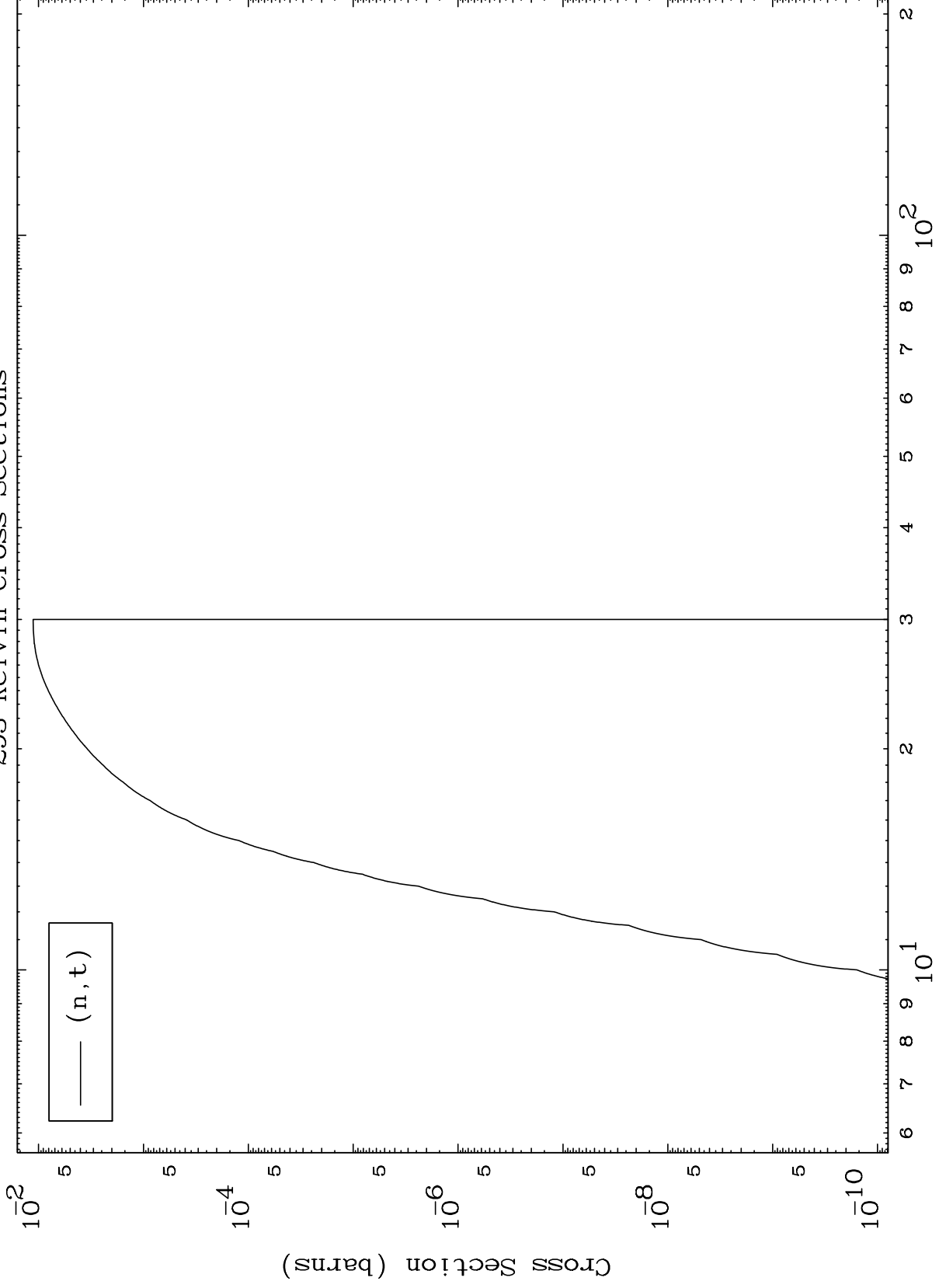
Incident Energy (MeV)

54-Xe-123

MAT 5422

(n, t) Levels  
293 Kelvin Cross Sections

54-Xe-123



14

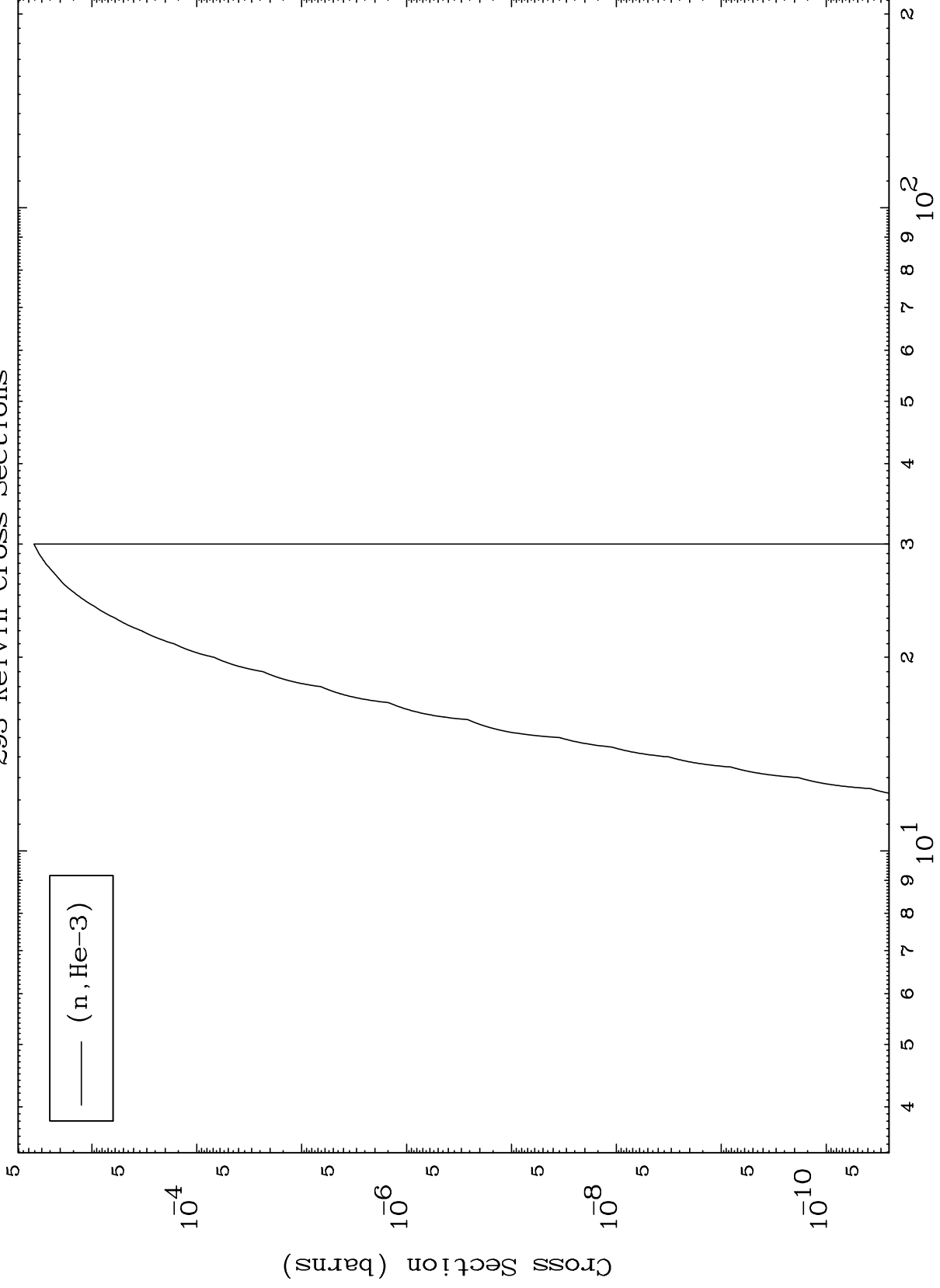
Incident Energy (MeV)

54-Xe-123

MAT 5422

(n,He3) Levels  
293 Kelvin Cross Sections

54-Xe-123



15

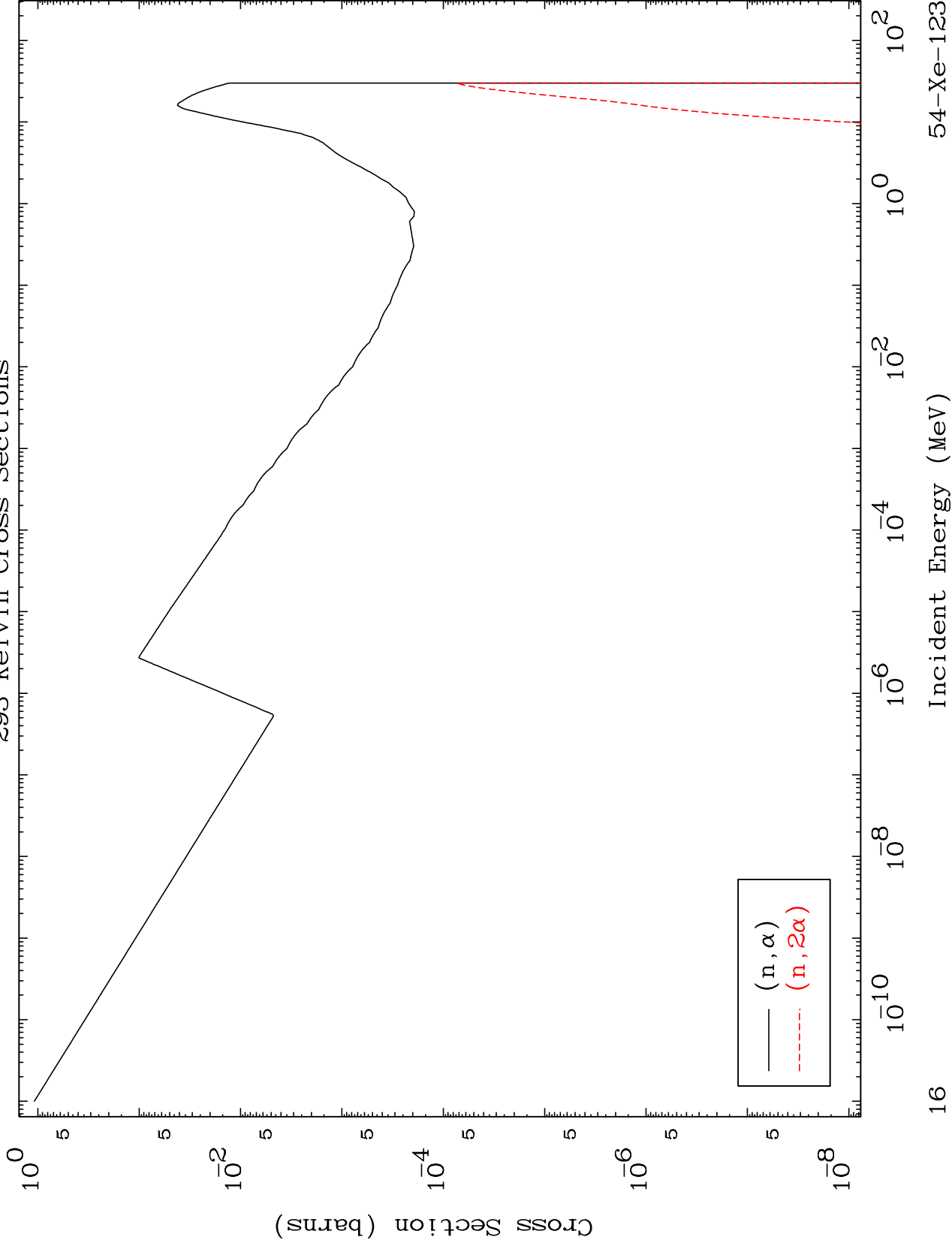
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

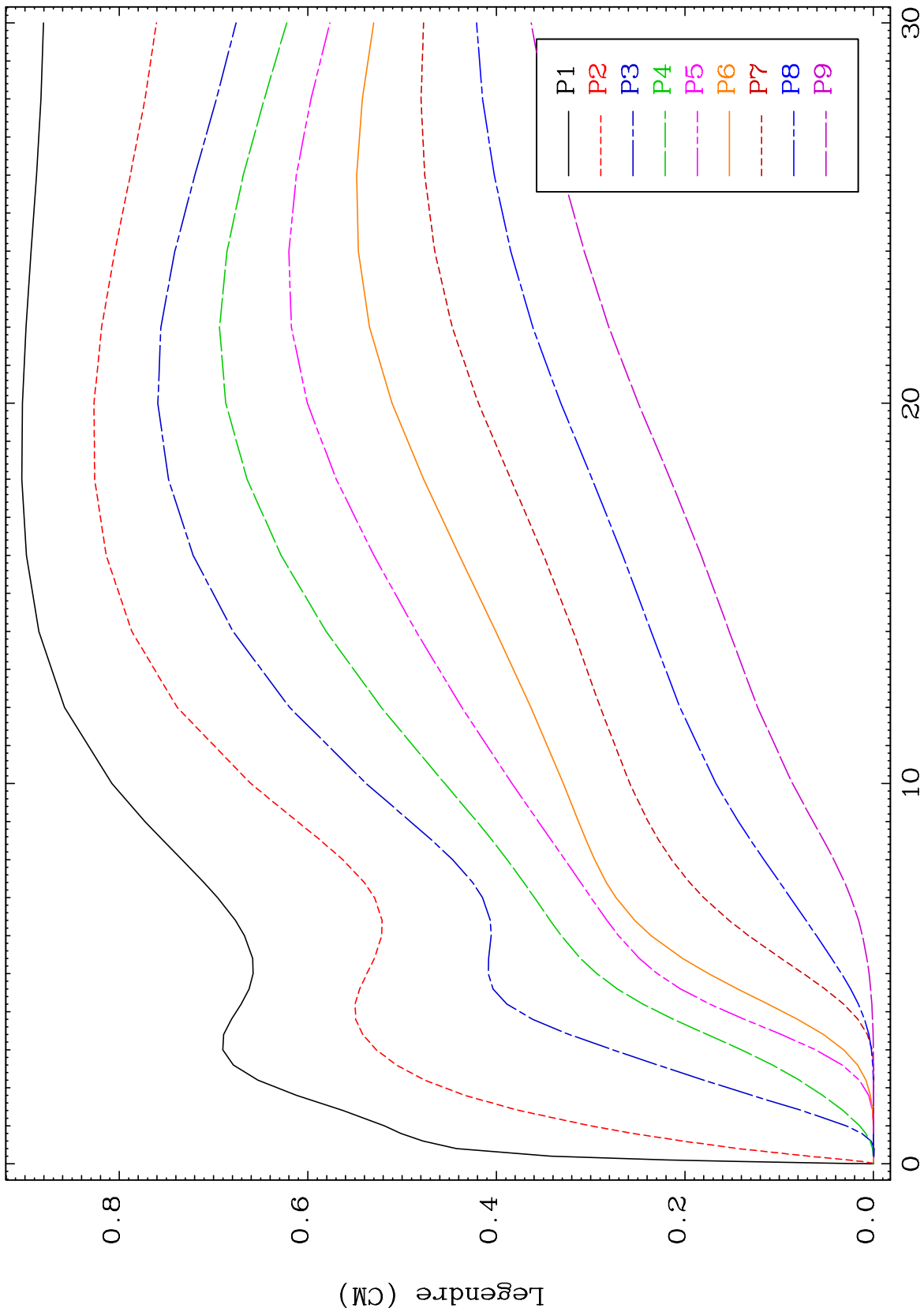
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MAT 5422

54-Xe-123

Elastic Legendre Coefficients



17

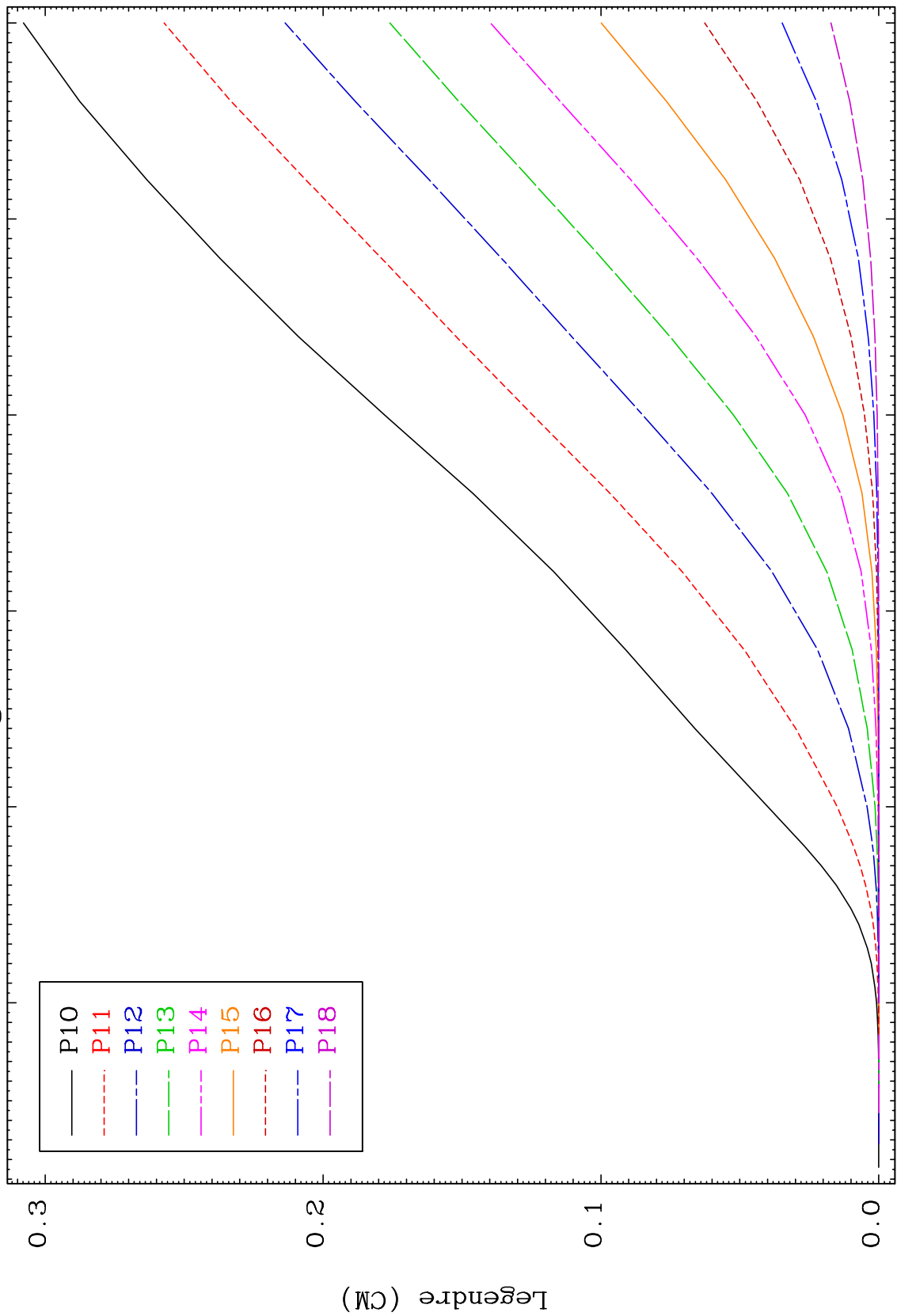
Incident Energy (MeV)

54-Xe-123

MAT 5422

Elastic Legendre Coefficients

54-Xe-123



18

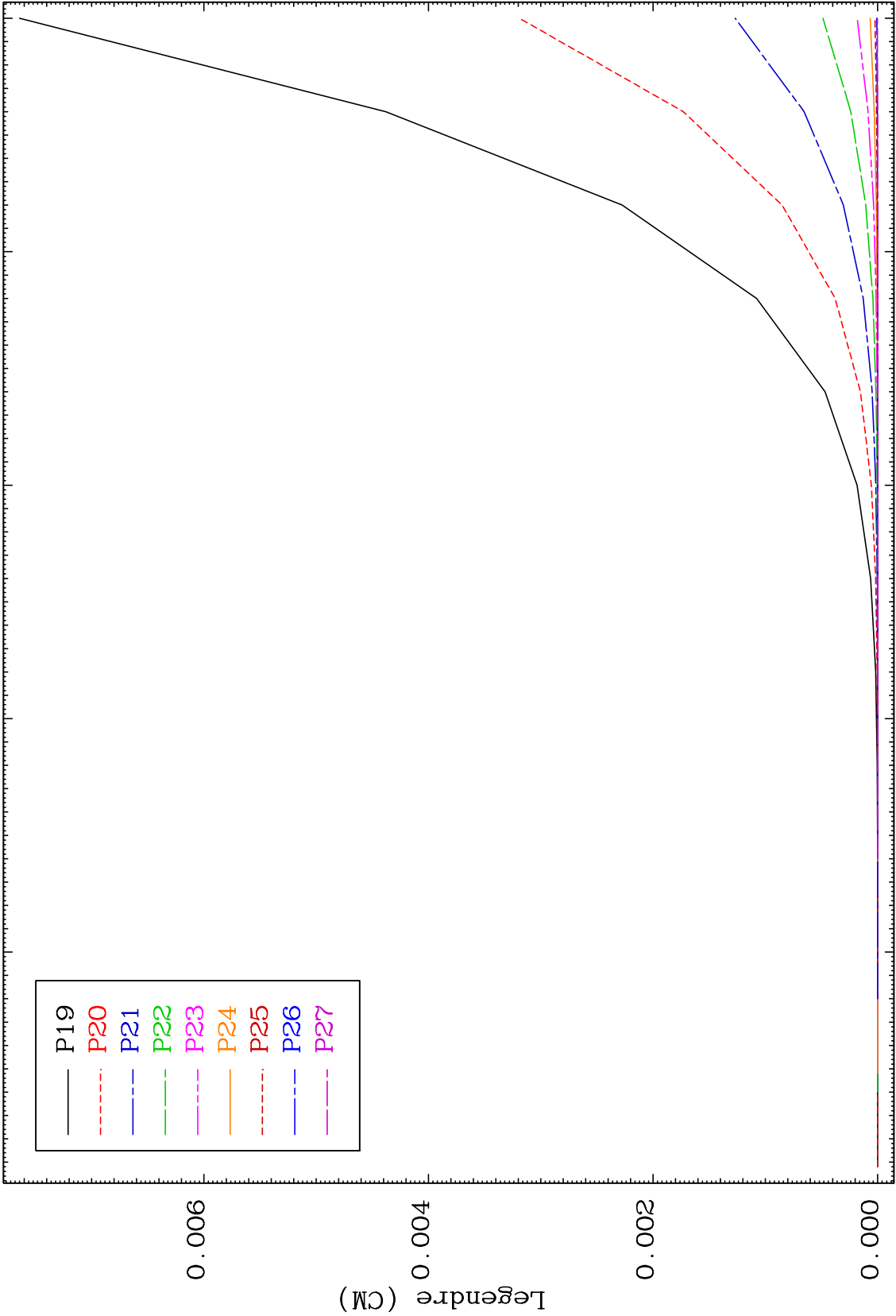
Incident Energy (MeV)

54-Xe-123

MAT 5422

Elastic Legendre Coefficients

54-Xe-123



19

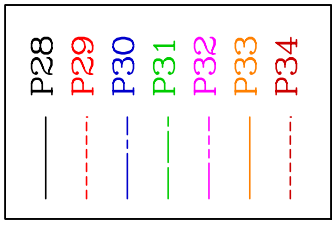
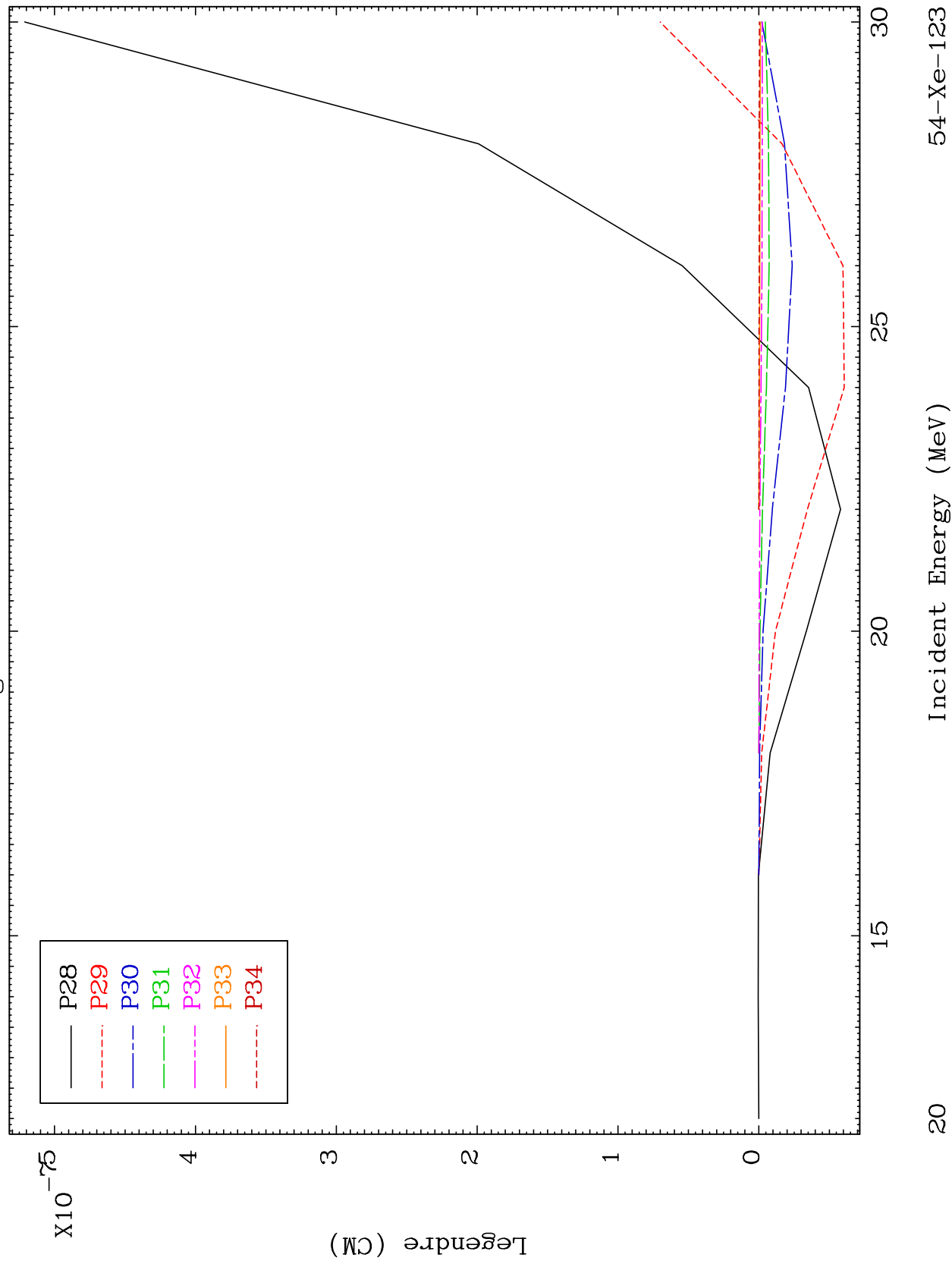
Incident Energy (MeV)

54-Xe-123

MAT 5422

Elastic Legendre Coefficients

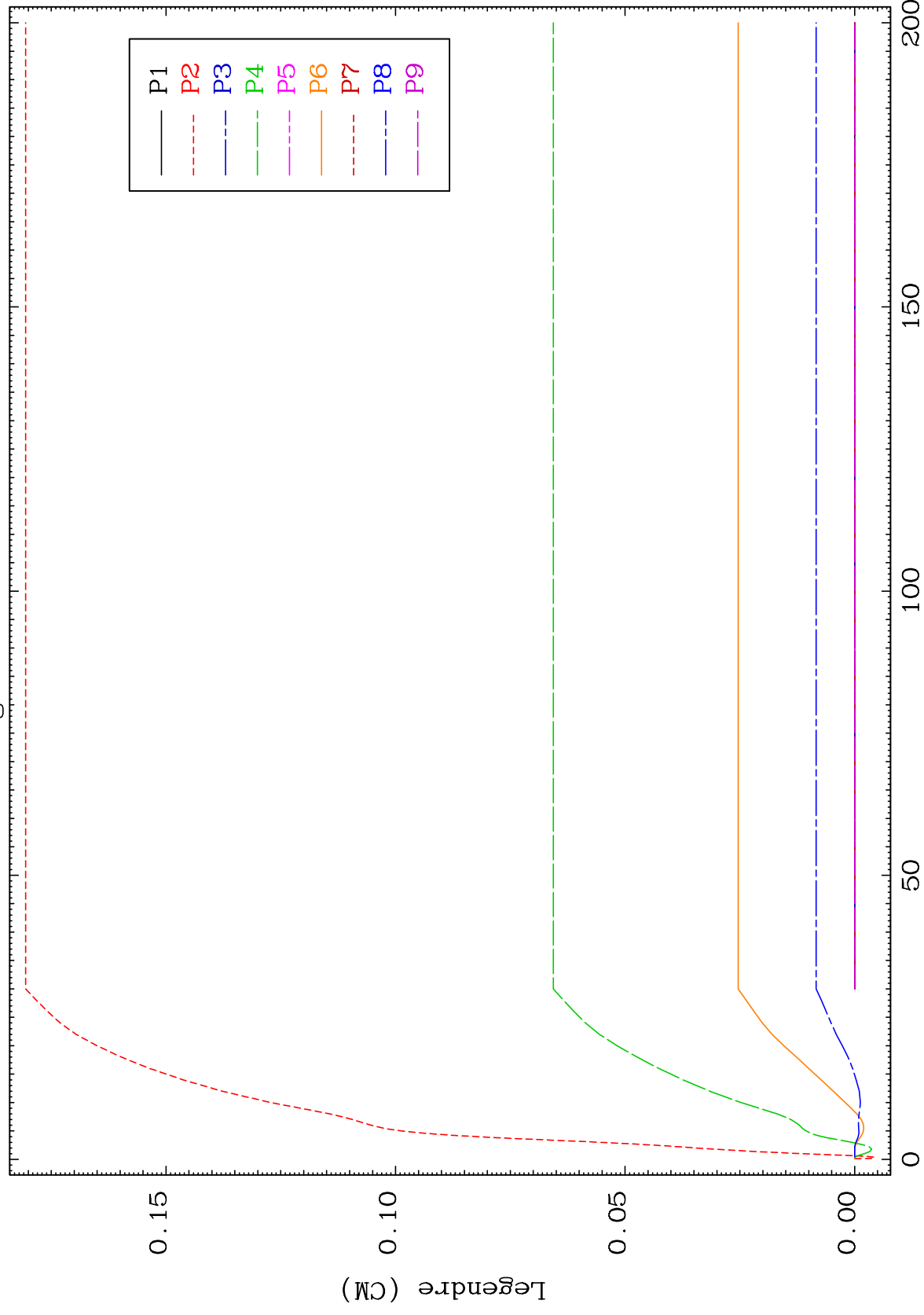
54-Xe-123



MAT 5422

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

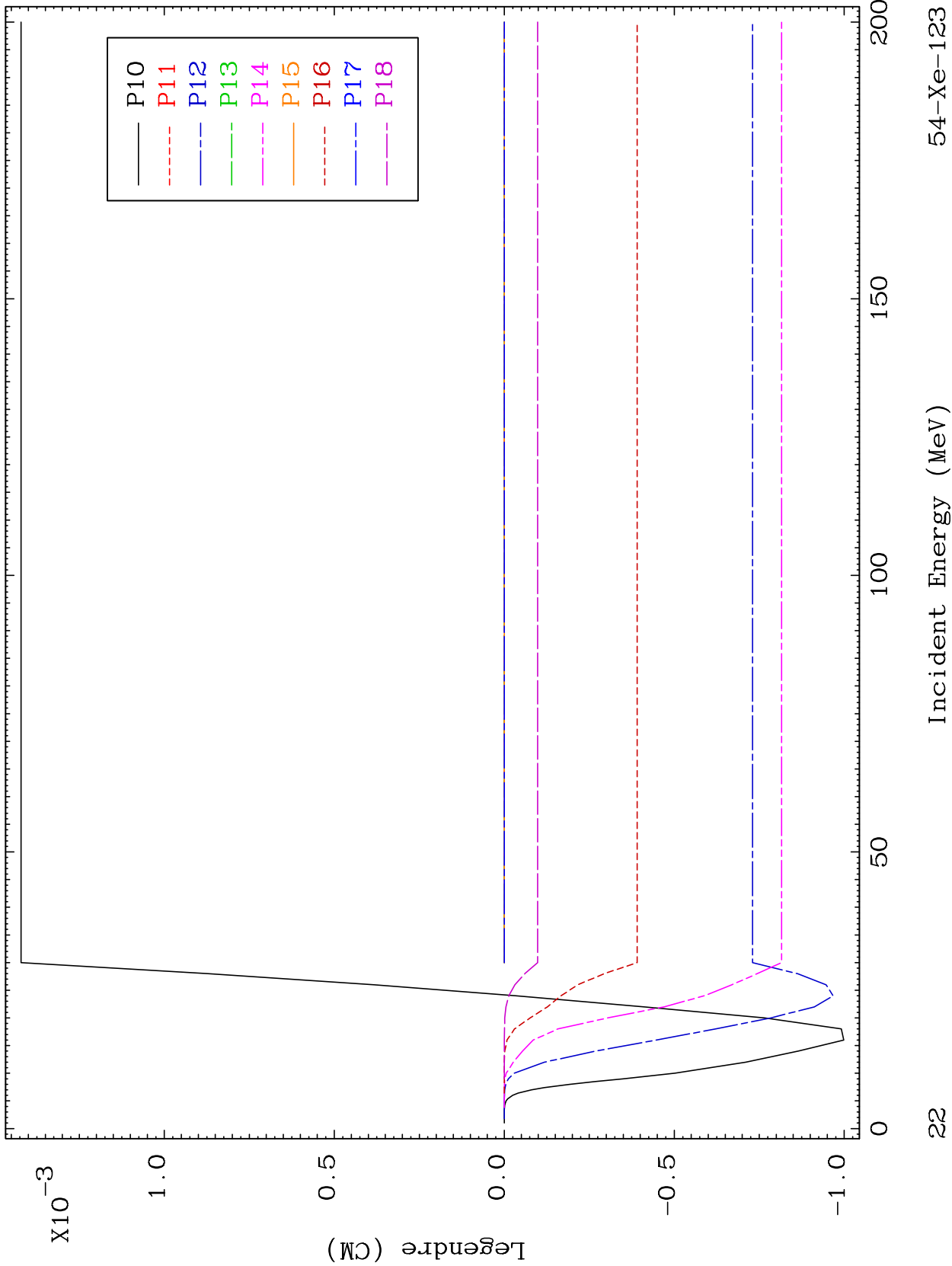
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21

Incident Energy (MeV)

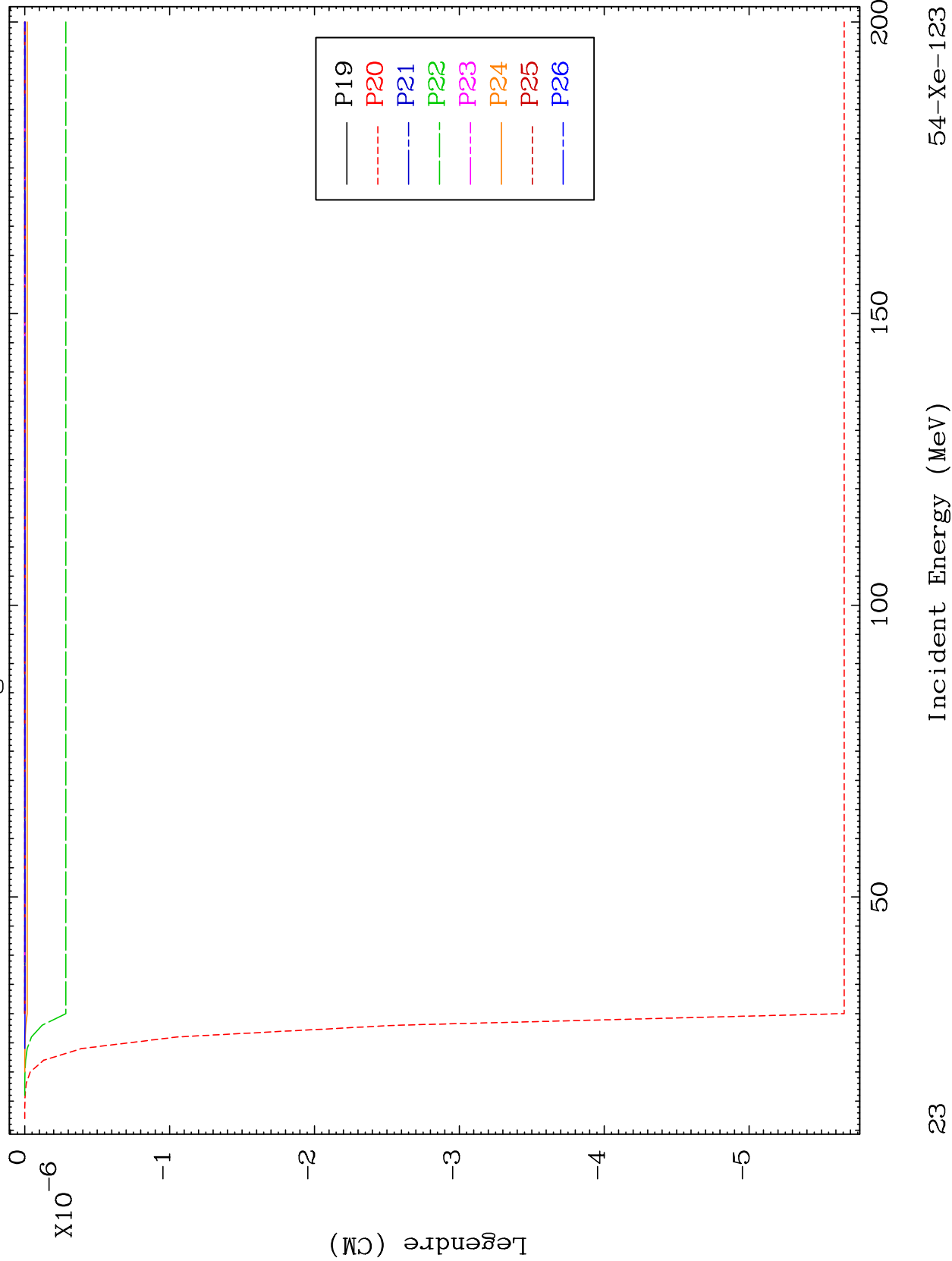
54-Xe-123



MAT 5422

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

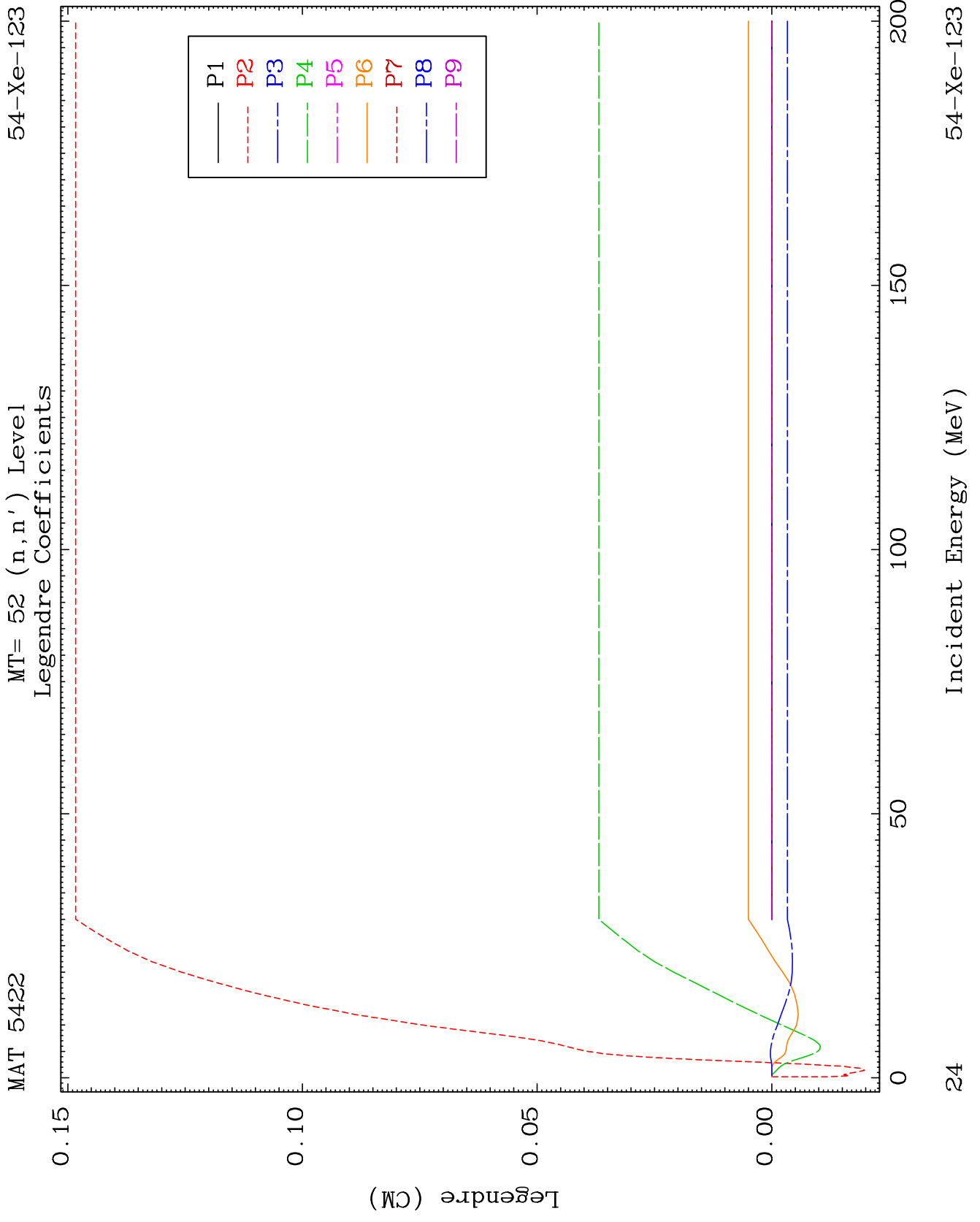
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23

Incident Energy (MeV)

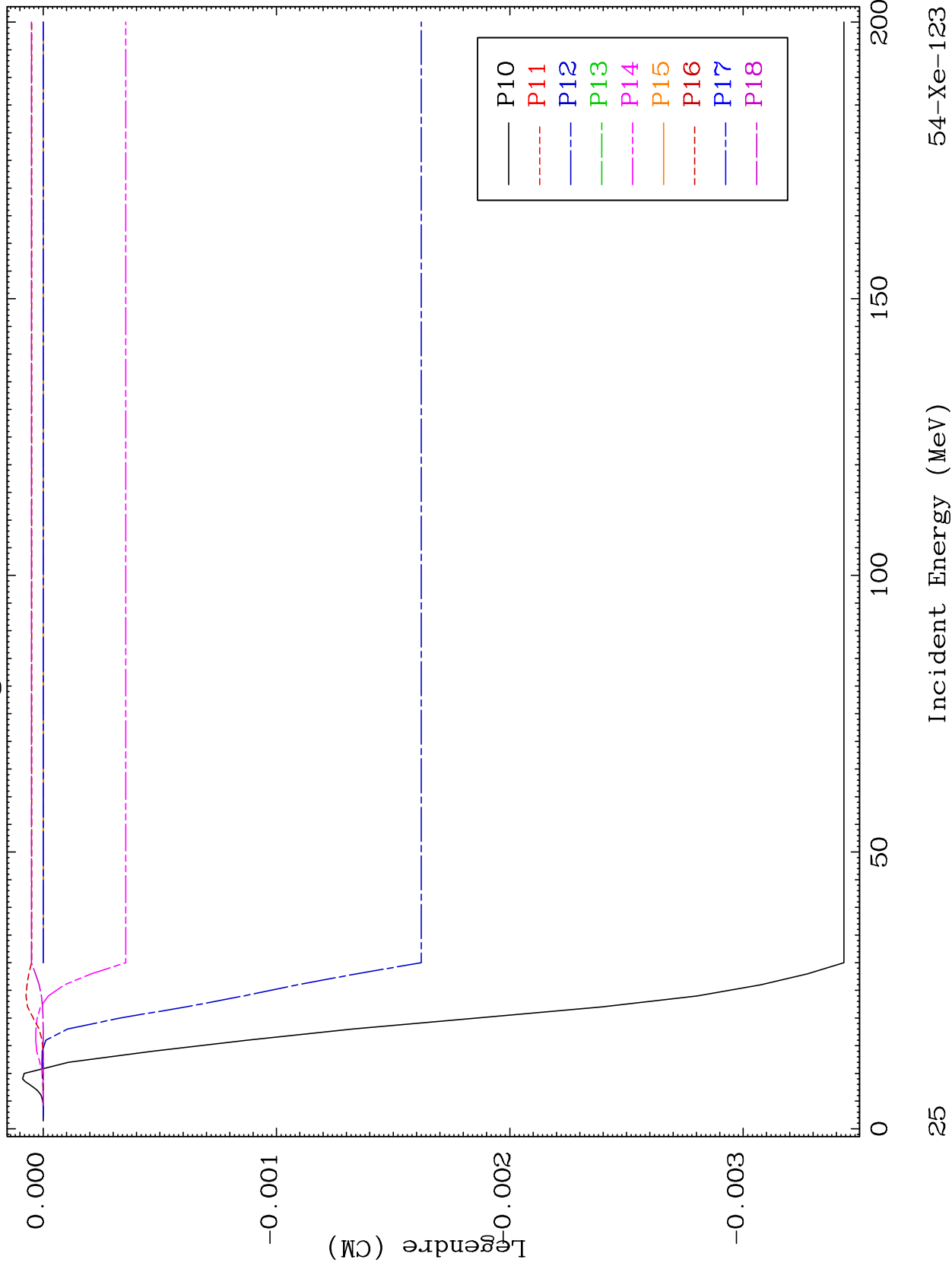
54-Xe-123



MAT 5422

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

54-Xe-123



54-Xe-123

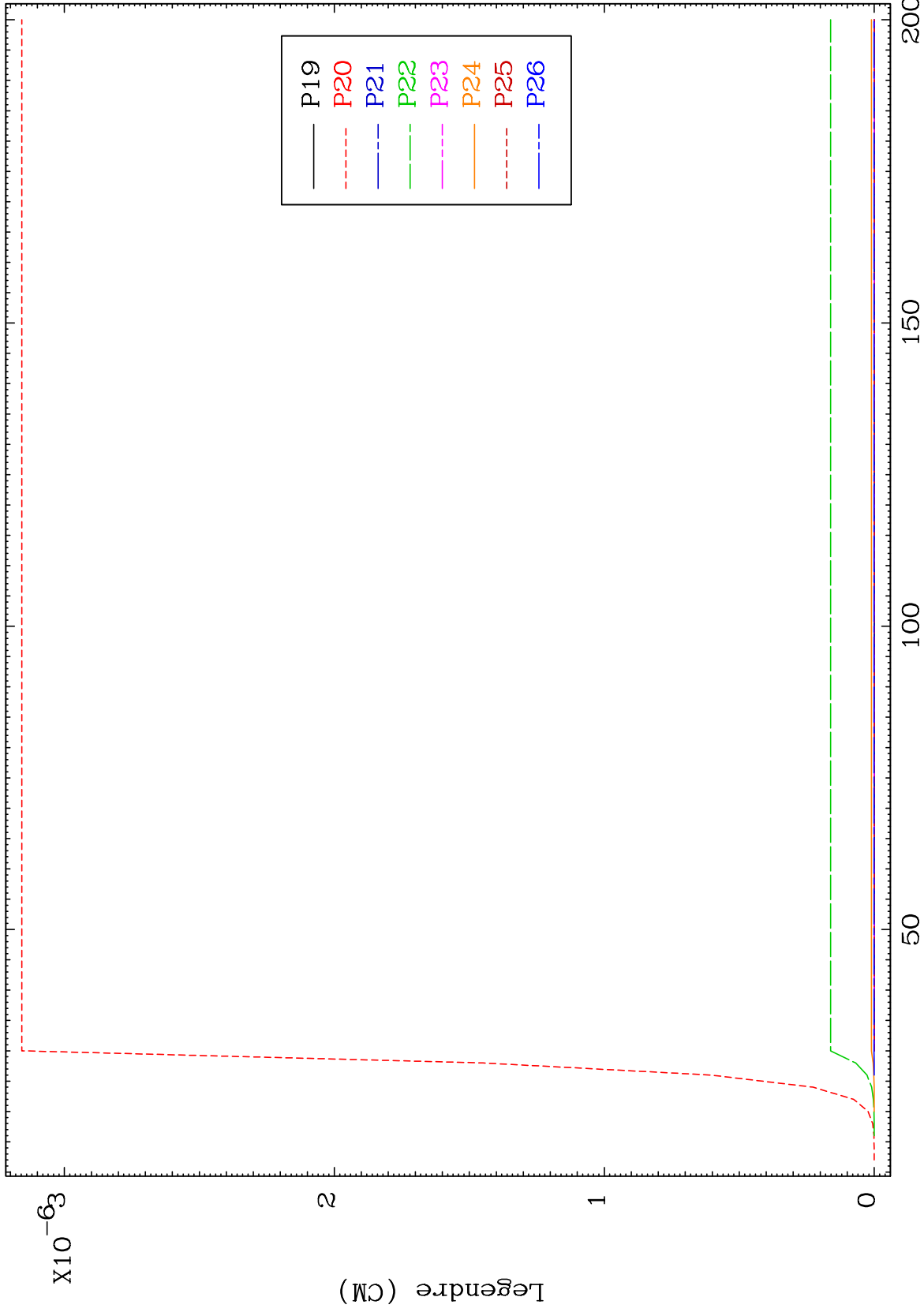
Incident Energy (MeV)

25

MAT 5422

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

54-Xe-123



26

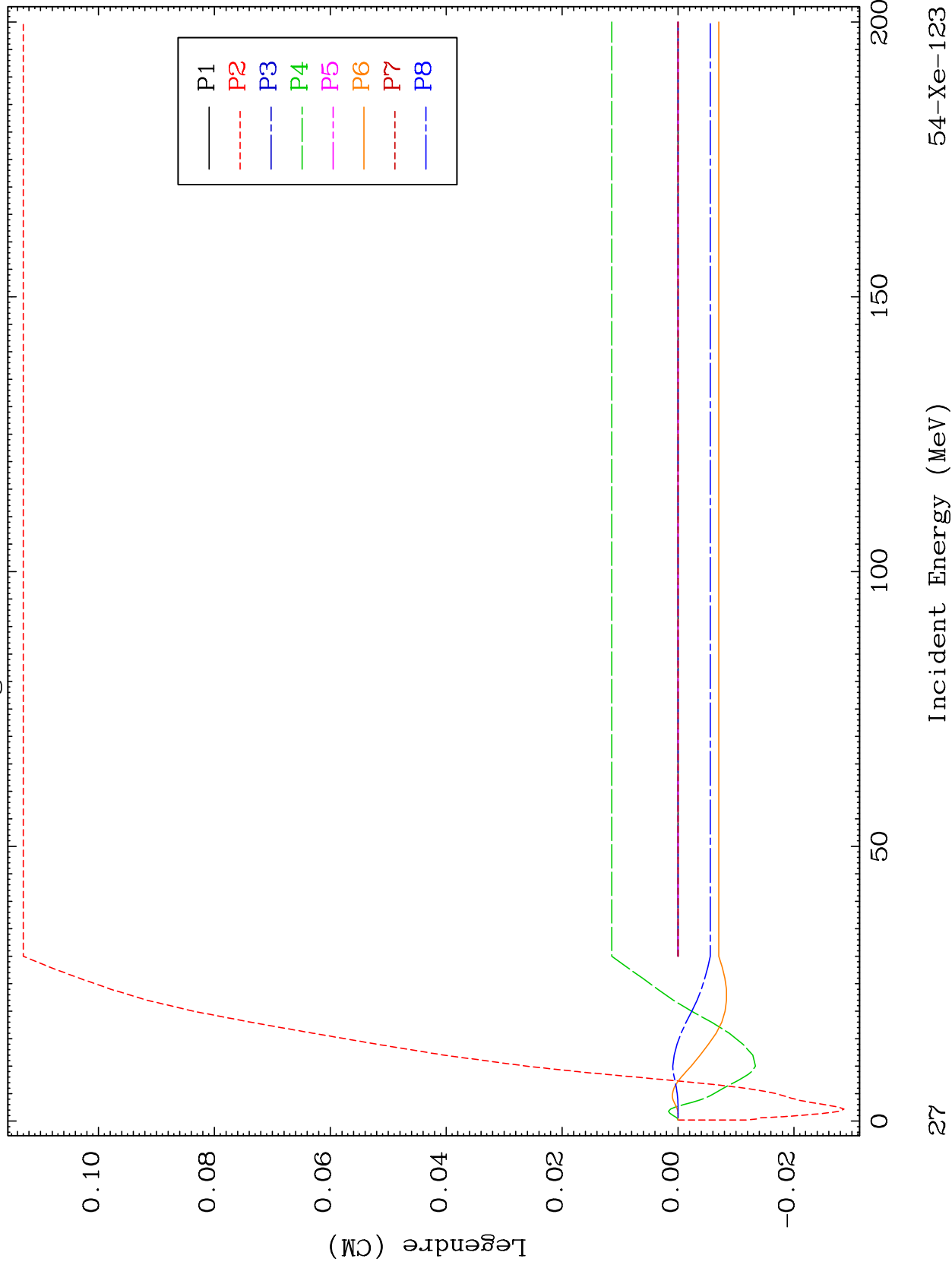
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



54-Xe-123

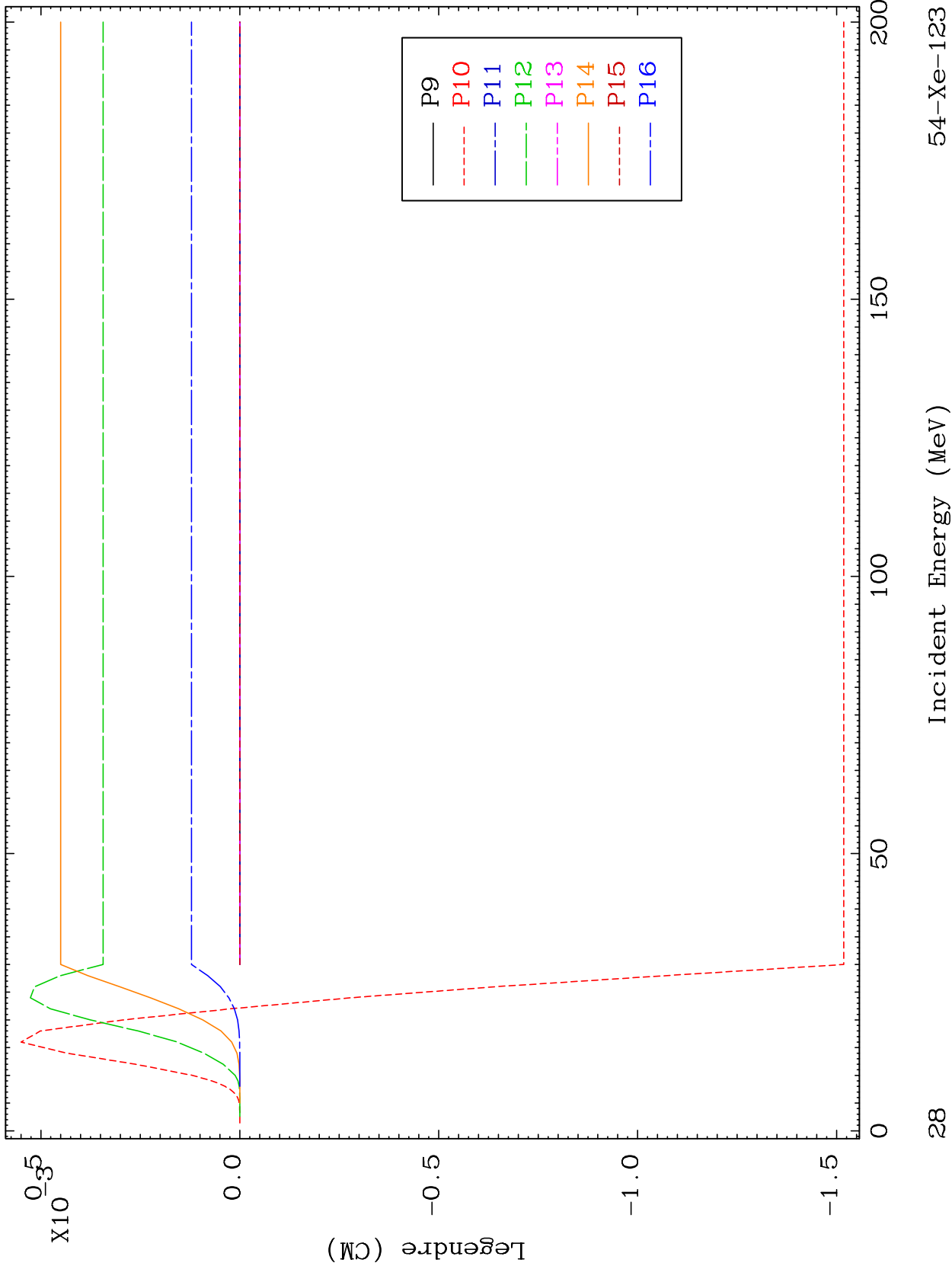
Incident Energy (MeV)

27

MAT 5422

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

54-Xe-123



54-Xe-123

Incident Energy (MeV)

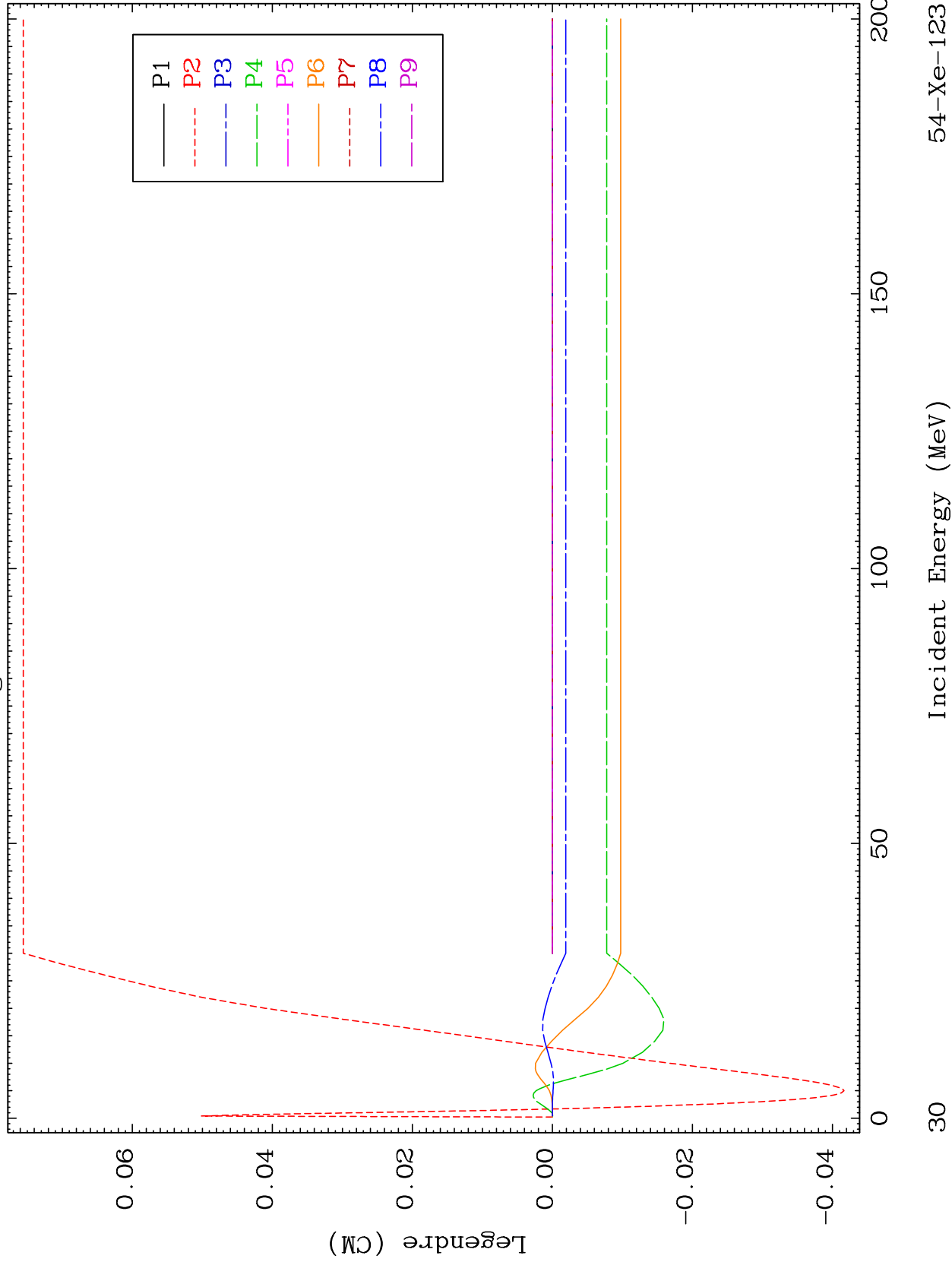
28



MAT 5422

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

54-Xe-123



54-Xe-123

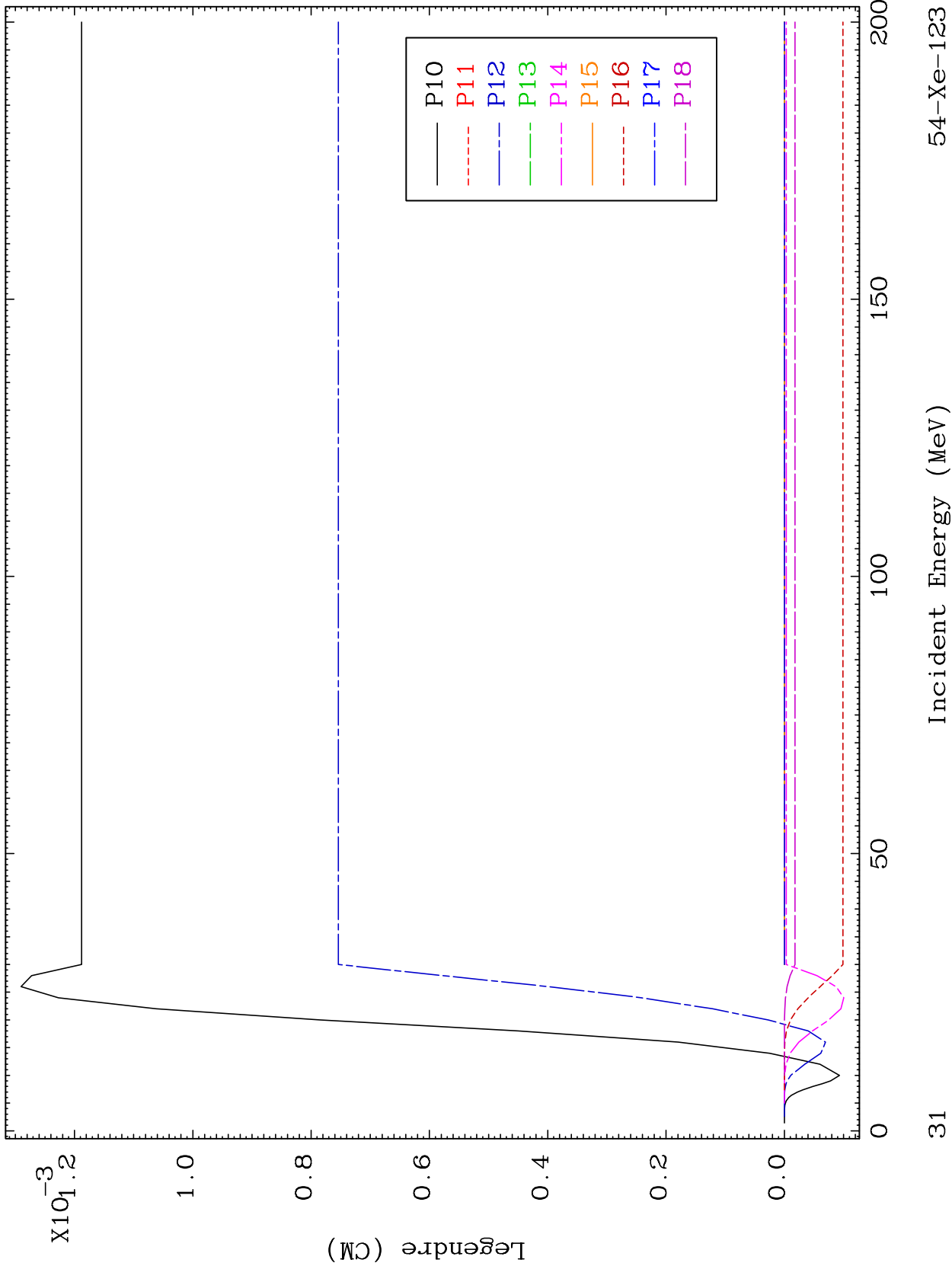
Incident Energy (MeV)

30

MAT 5422

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

54-Xe-123



31

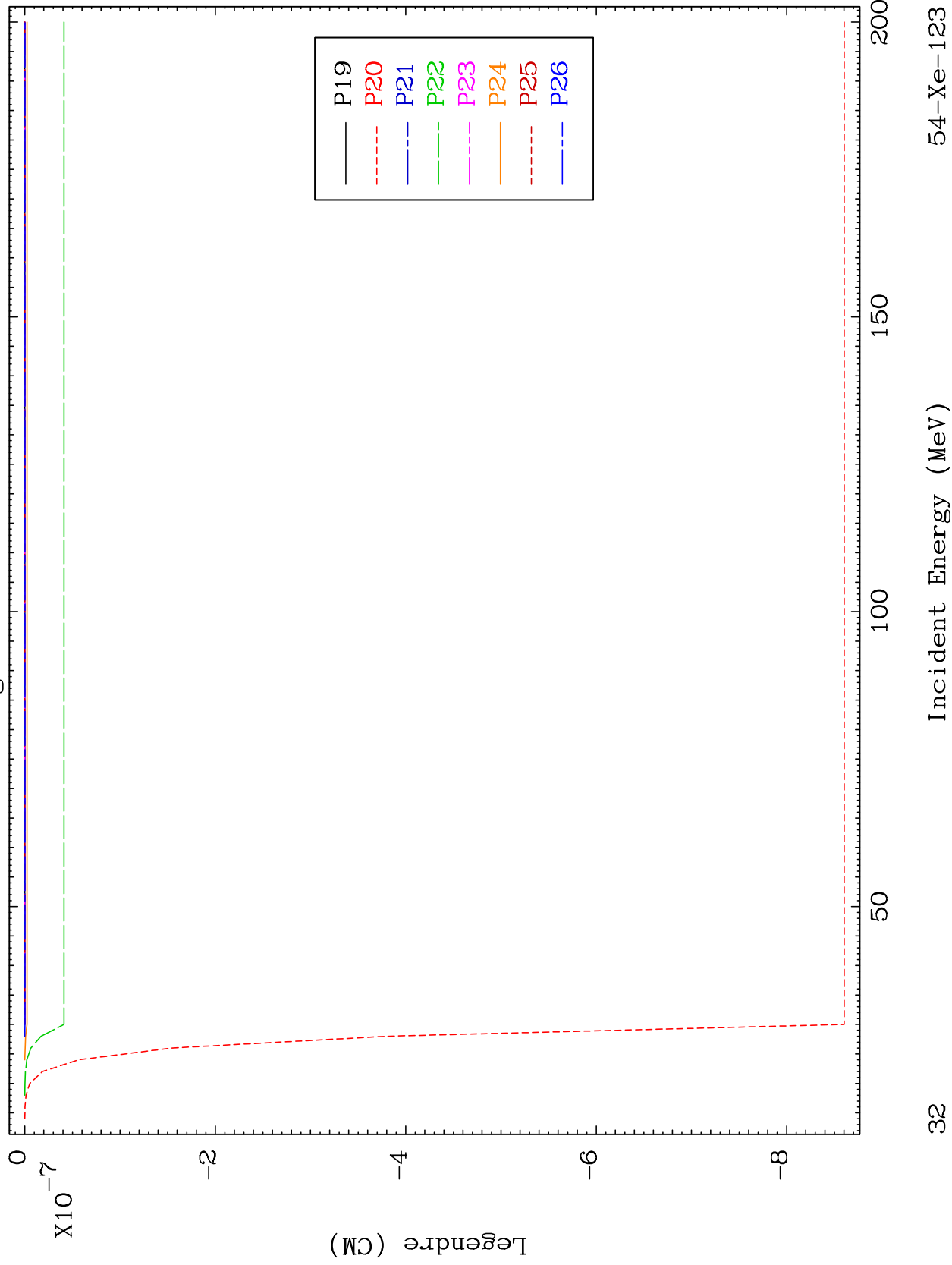
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



32

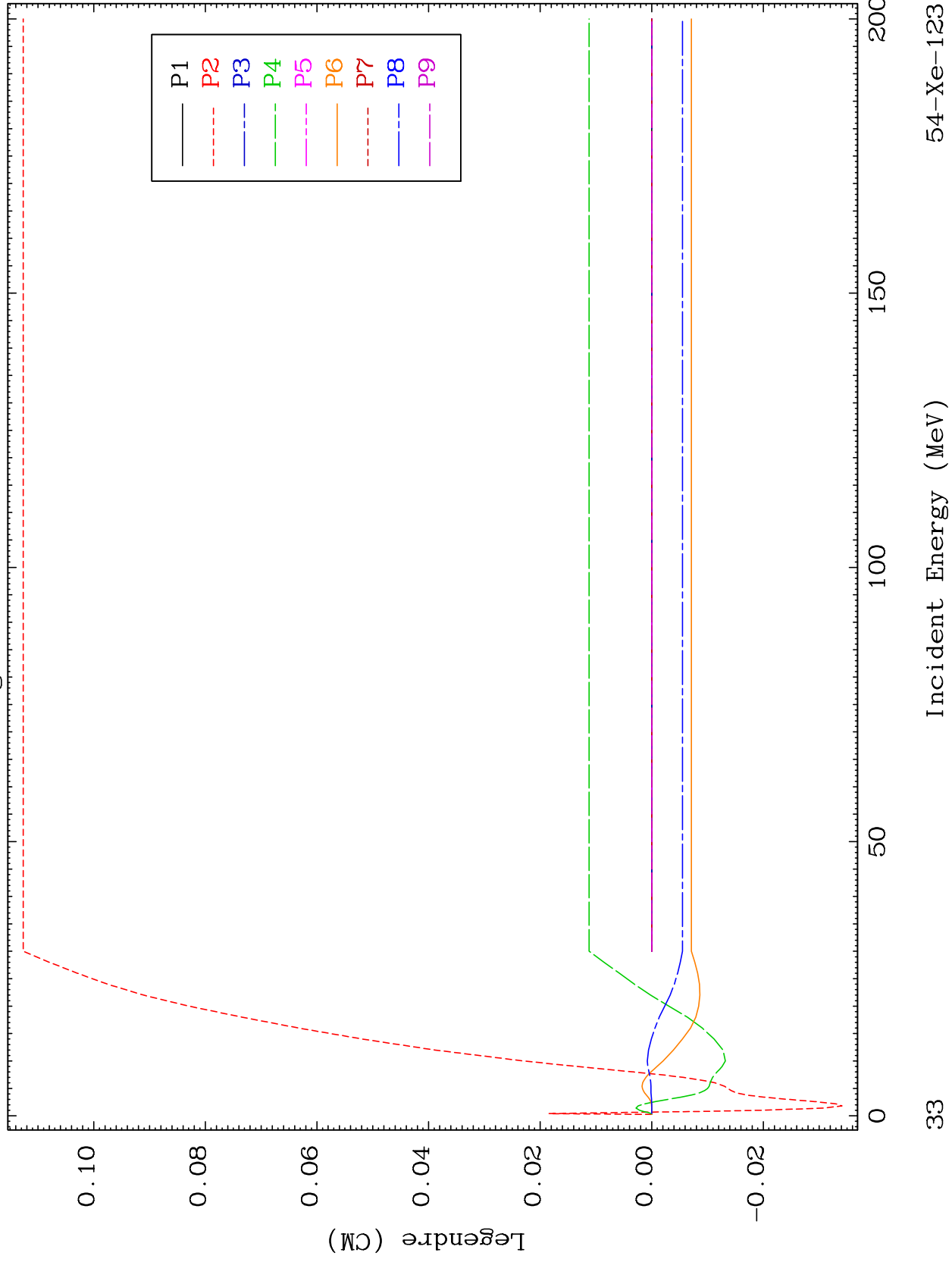
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



54-Xe-123

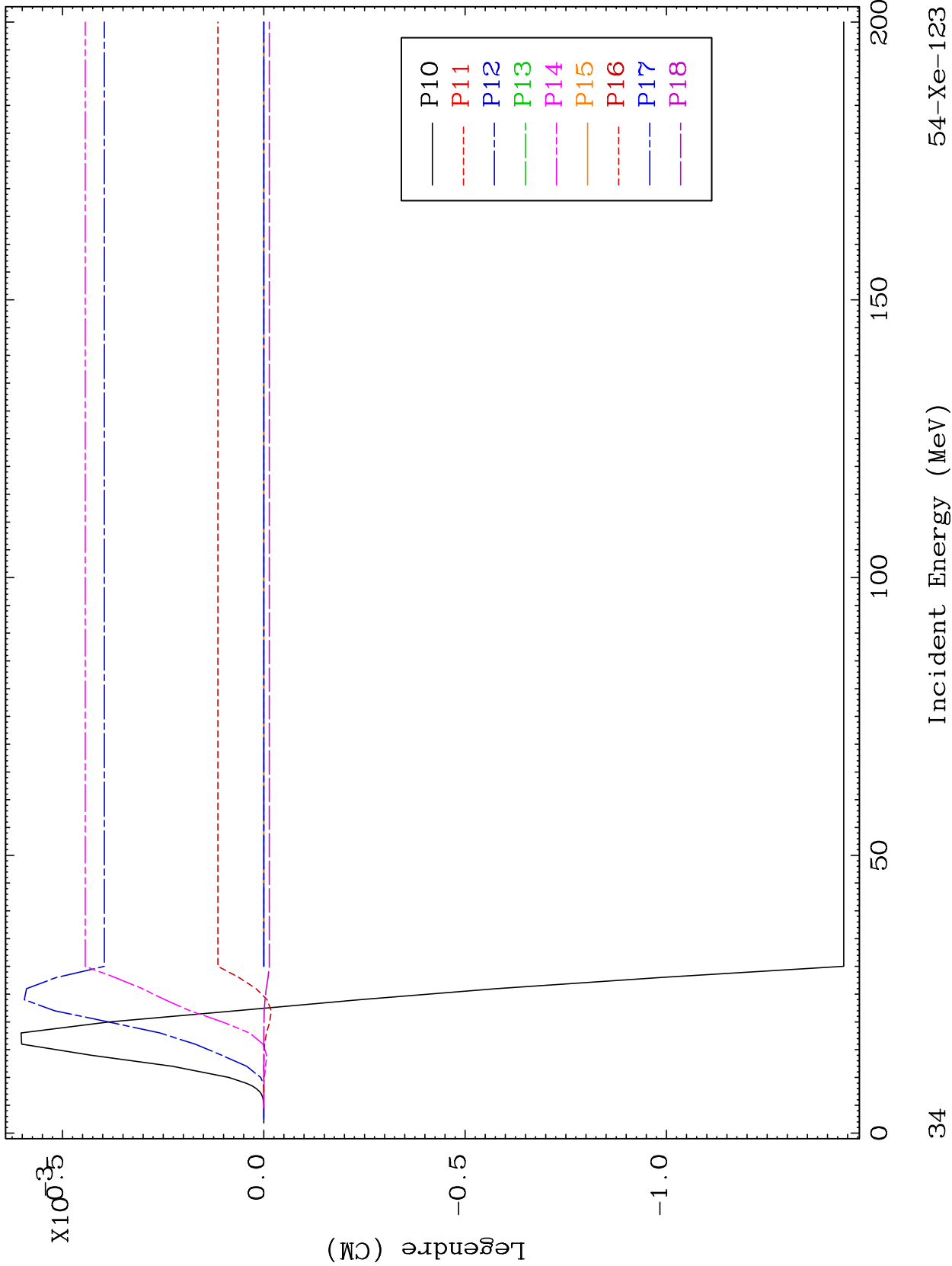
Incident Energy (MeV)

33

MAT 5422

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

54-Xe-123



34

Incident Energy (MeV)

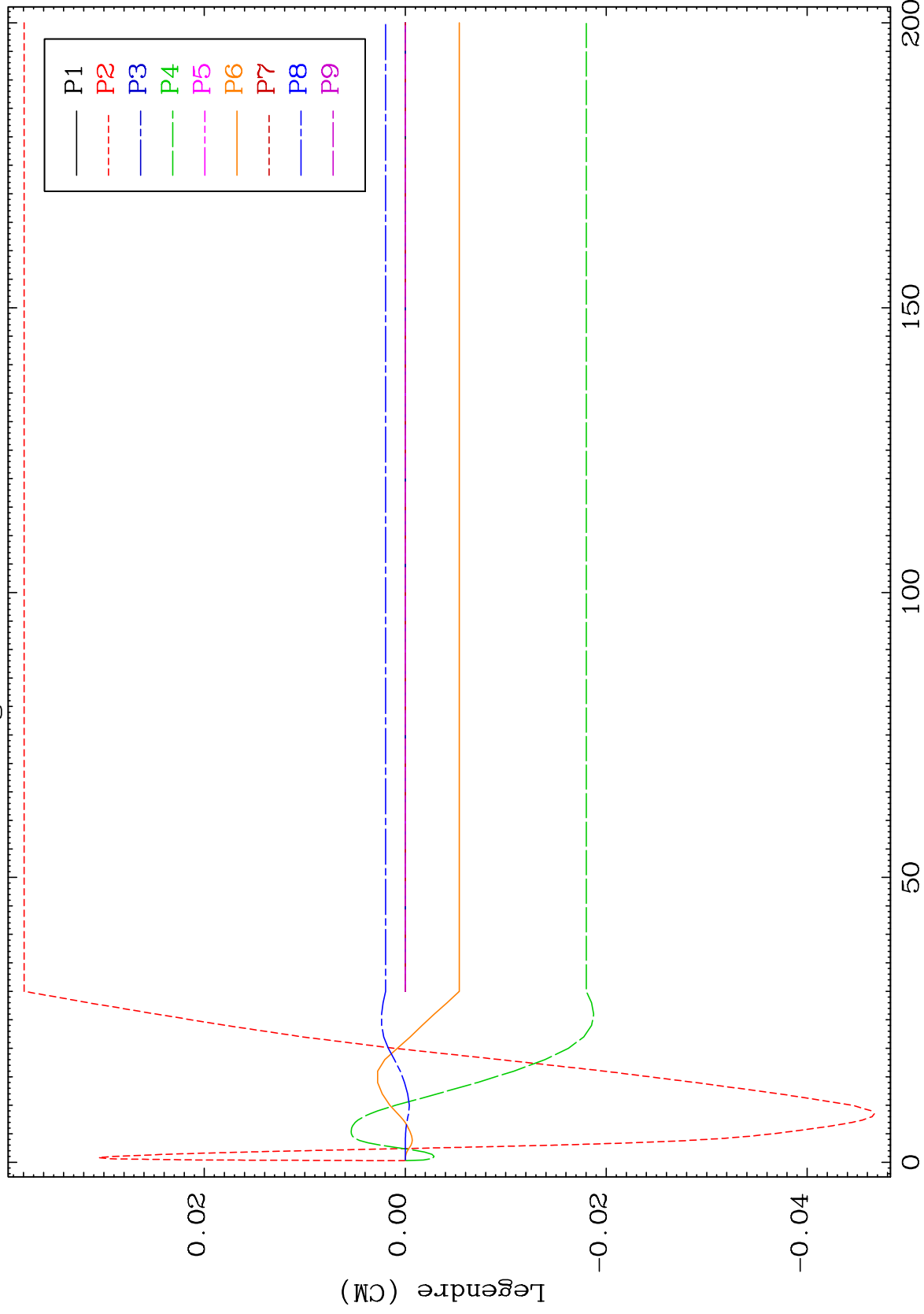
54-Xe-123



MAT 5422

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

54-Xe-123



54-Xe-123

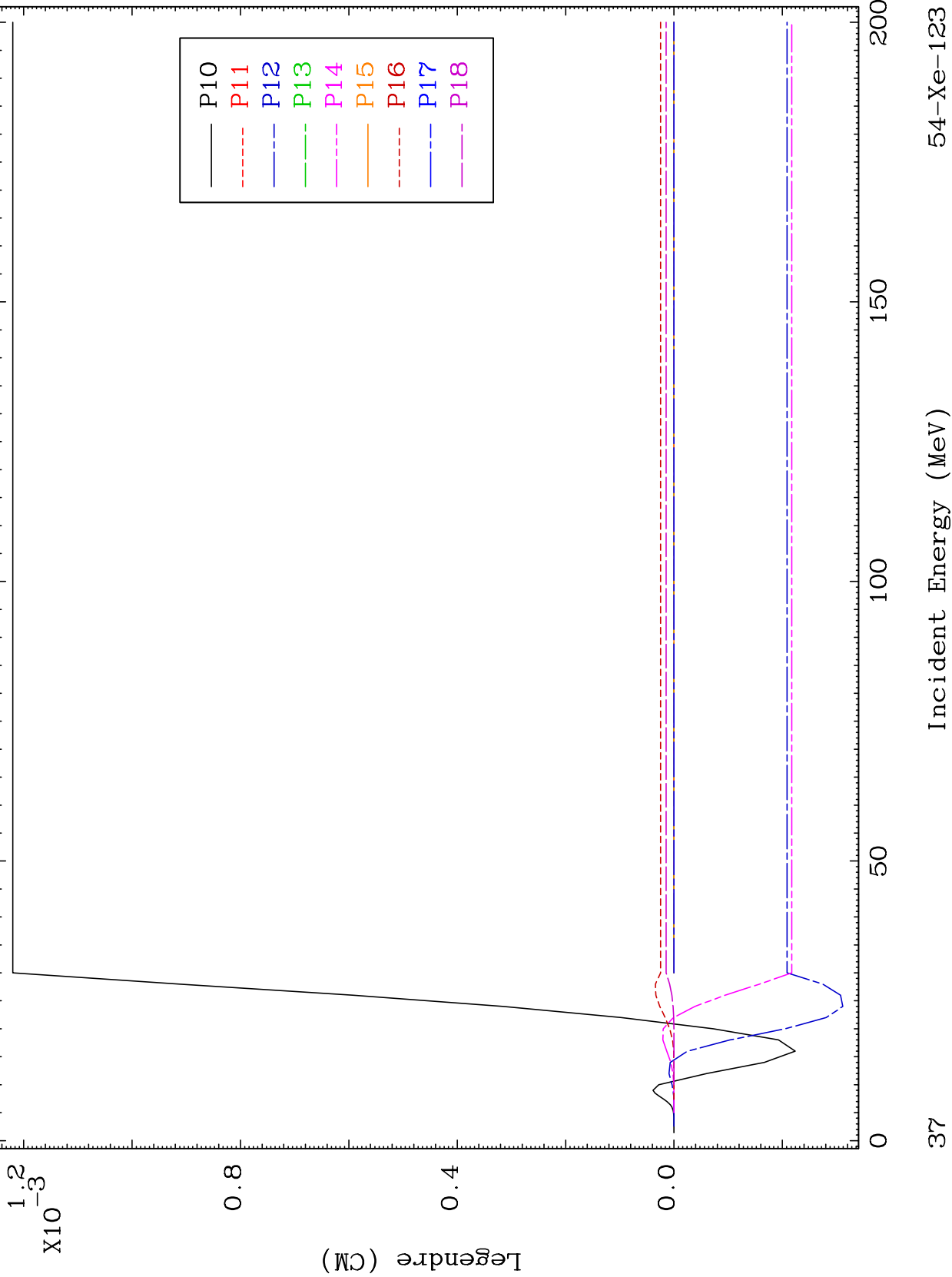
Incident Energy (MeV)

36

MAT 5422

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

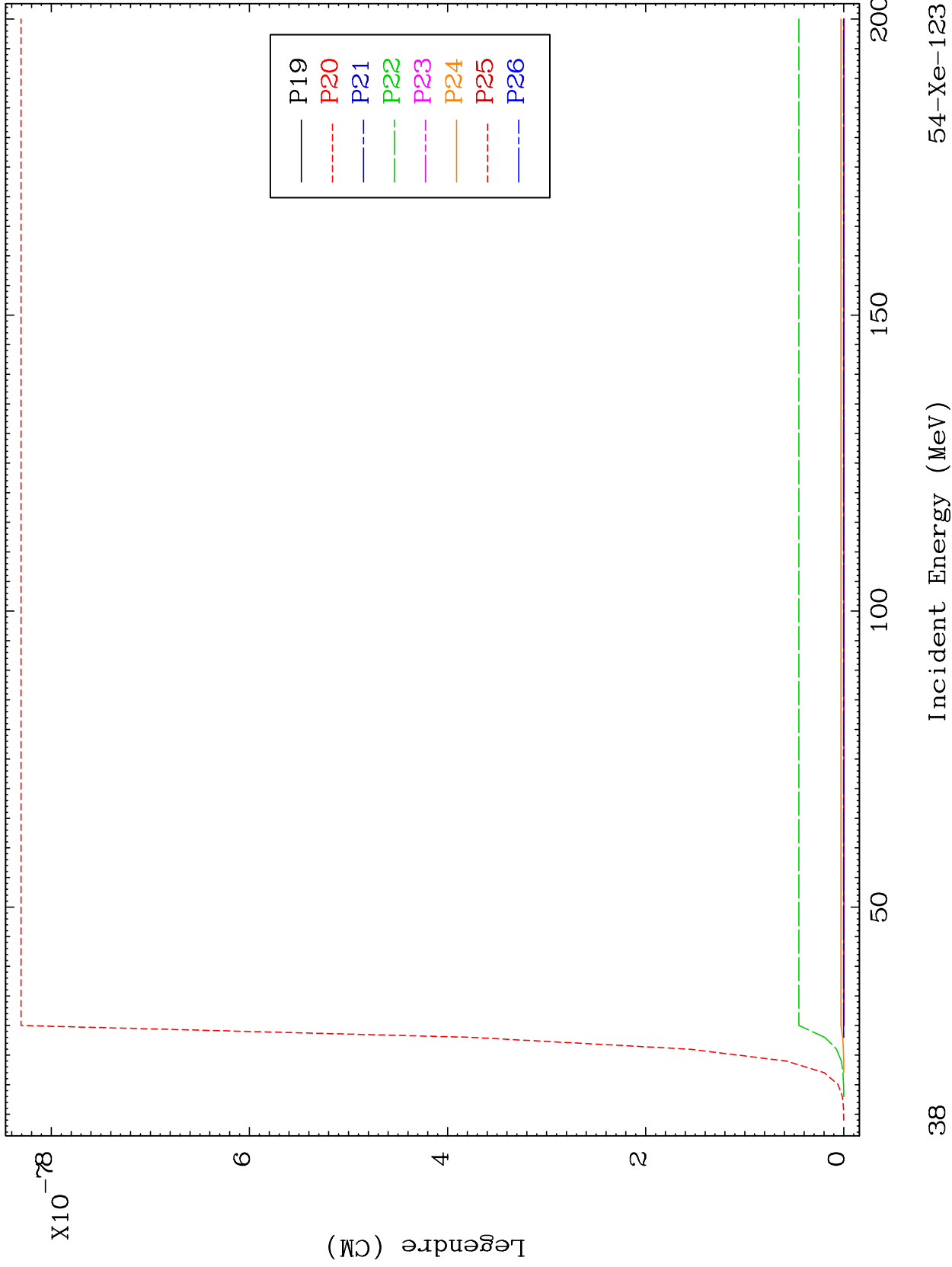
54-Xe-123



MAT 5422

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

54-Xe-123



38

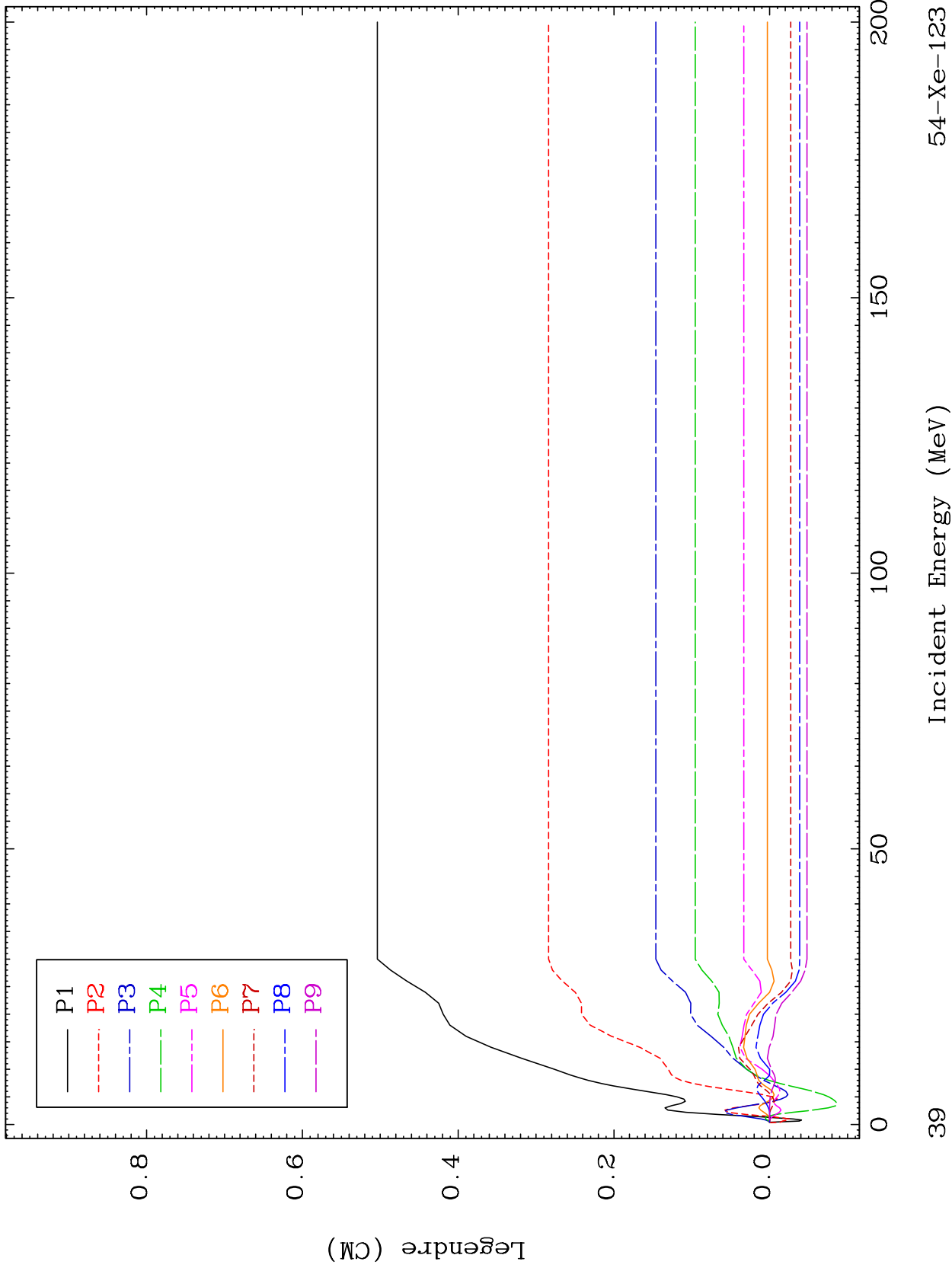
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



39

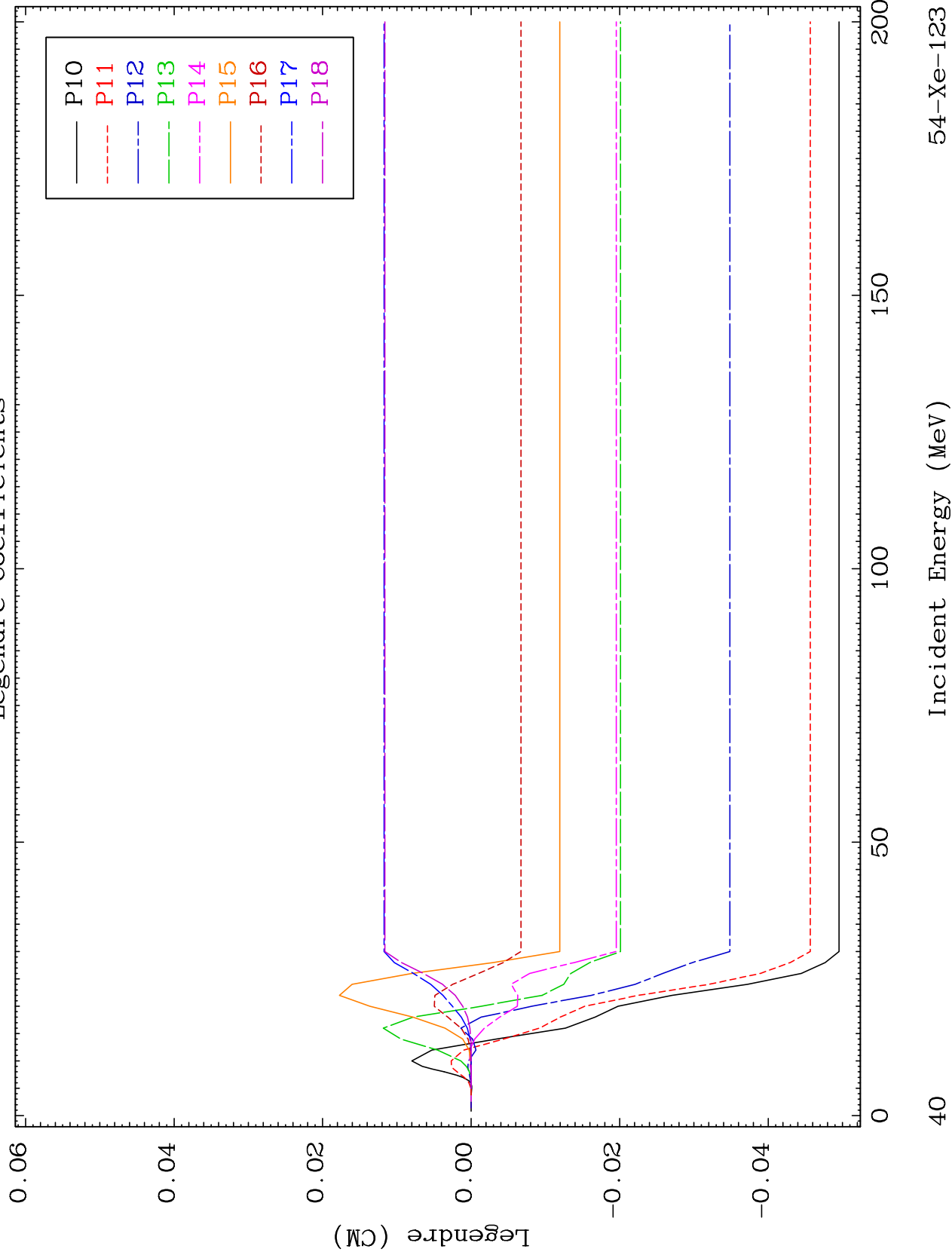
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



54-Xe-123

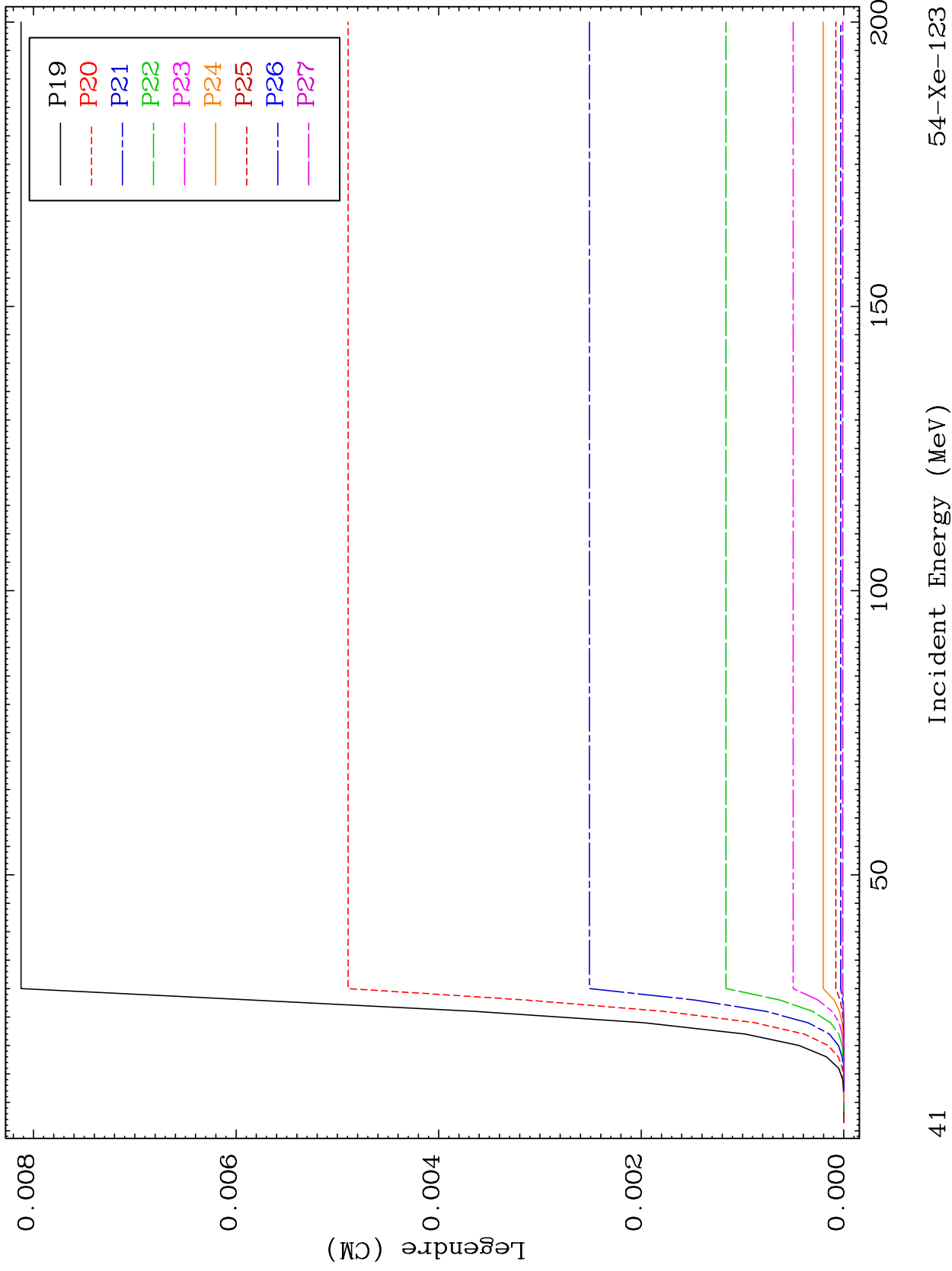
Incident Energy (MeV)

40

MAT 5422

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

54-Xe-123



41

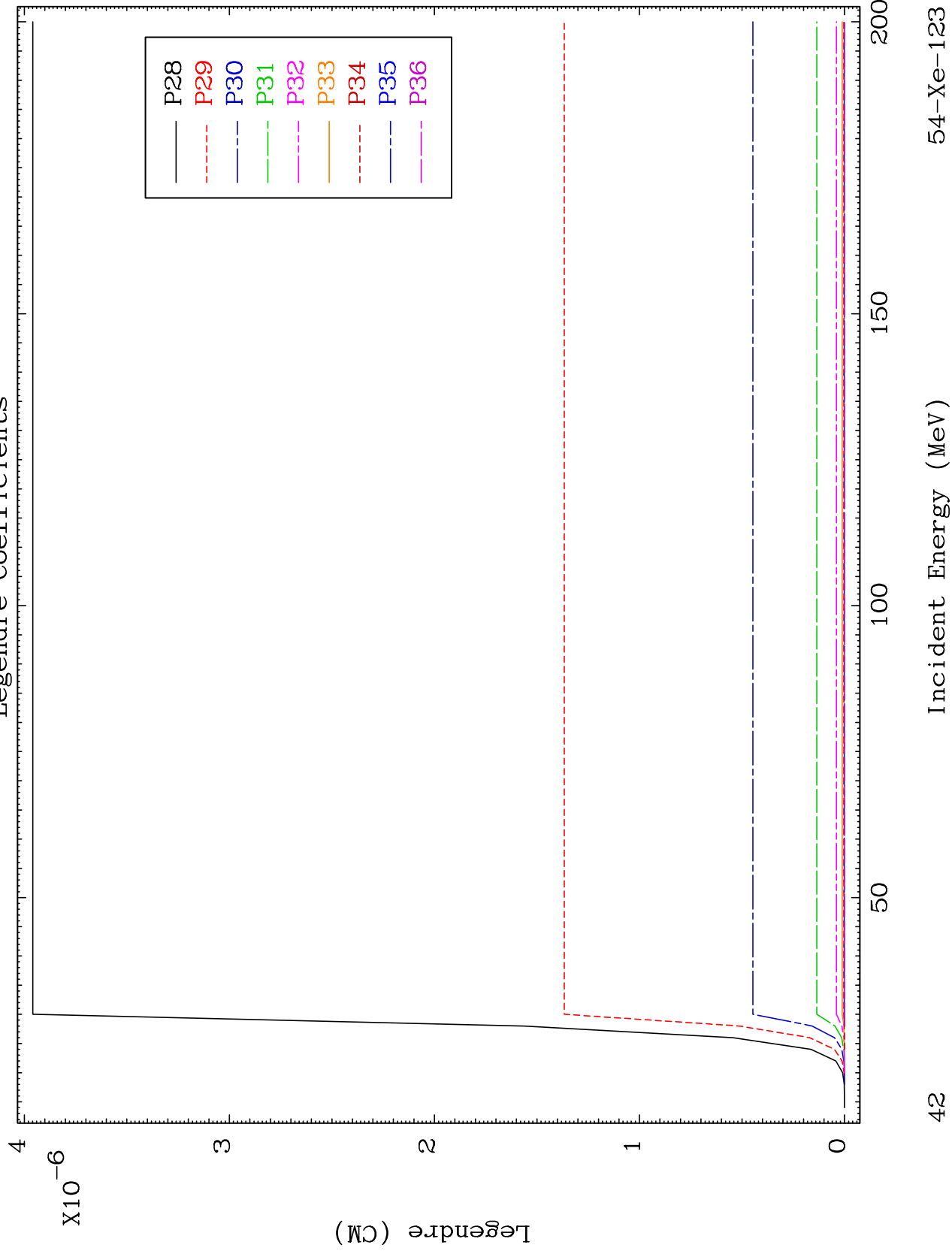
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



42

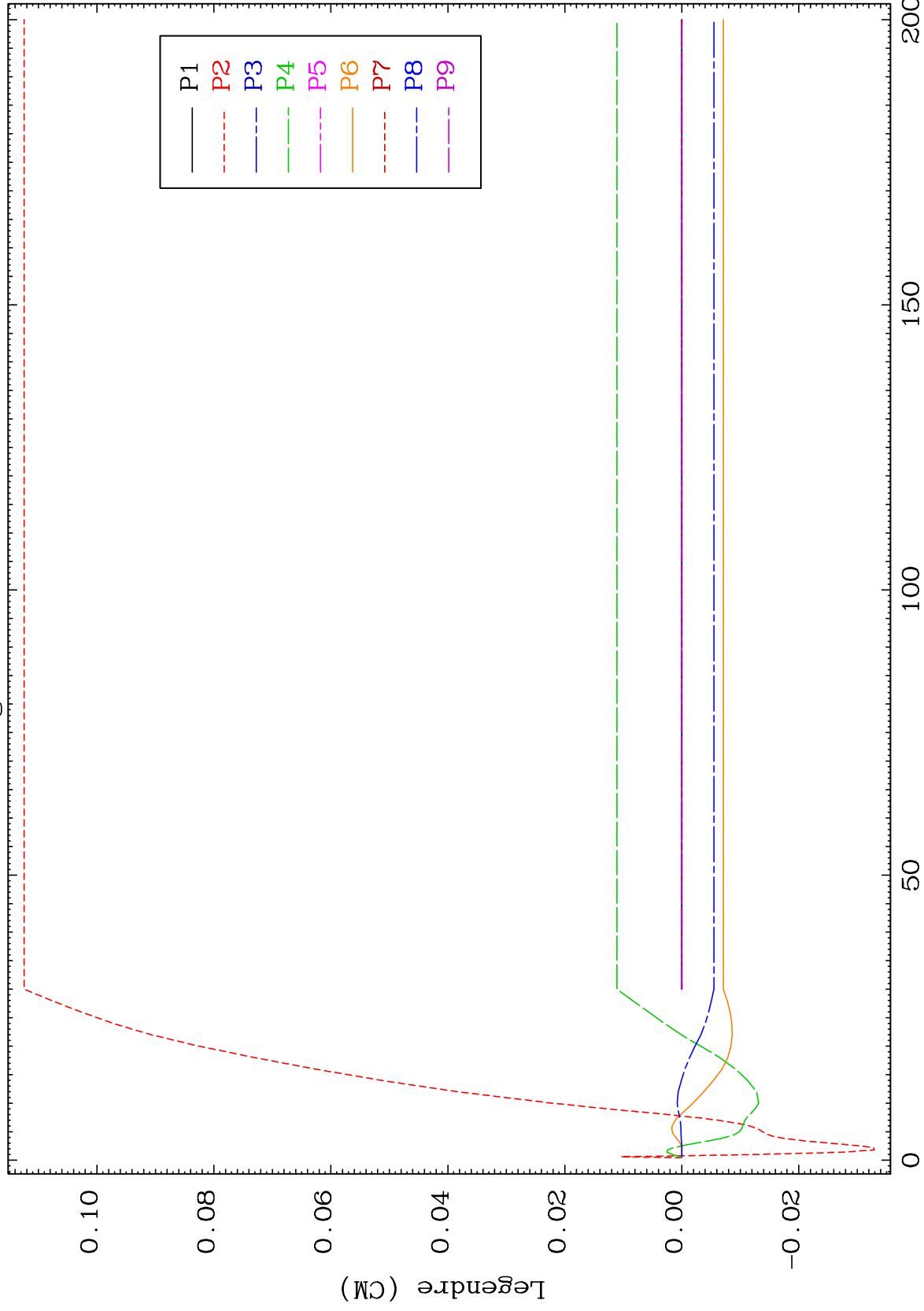
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



43

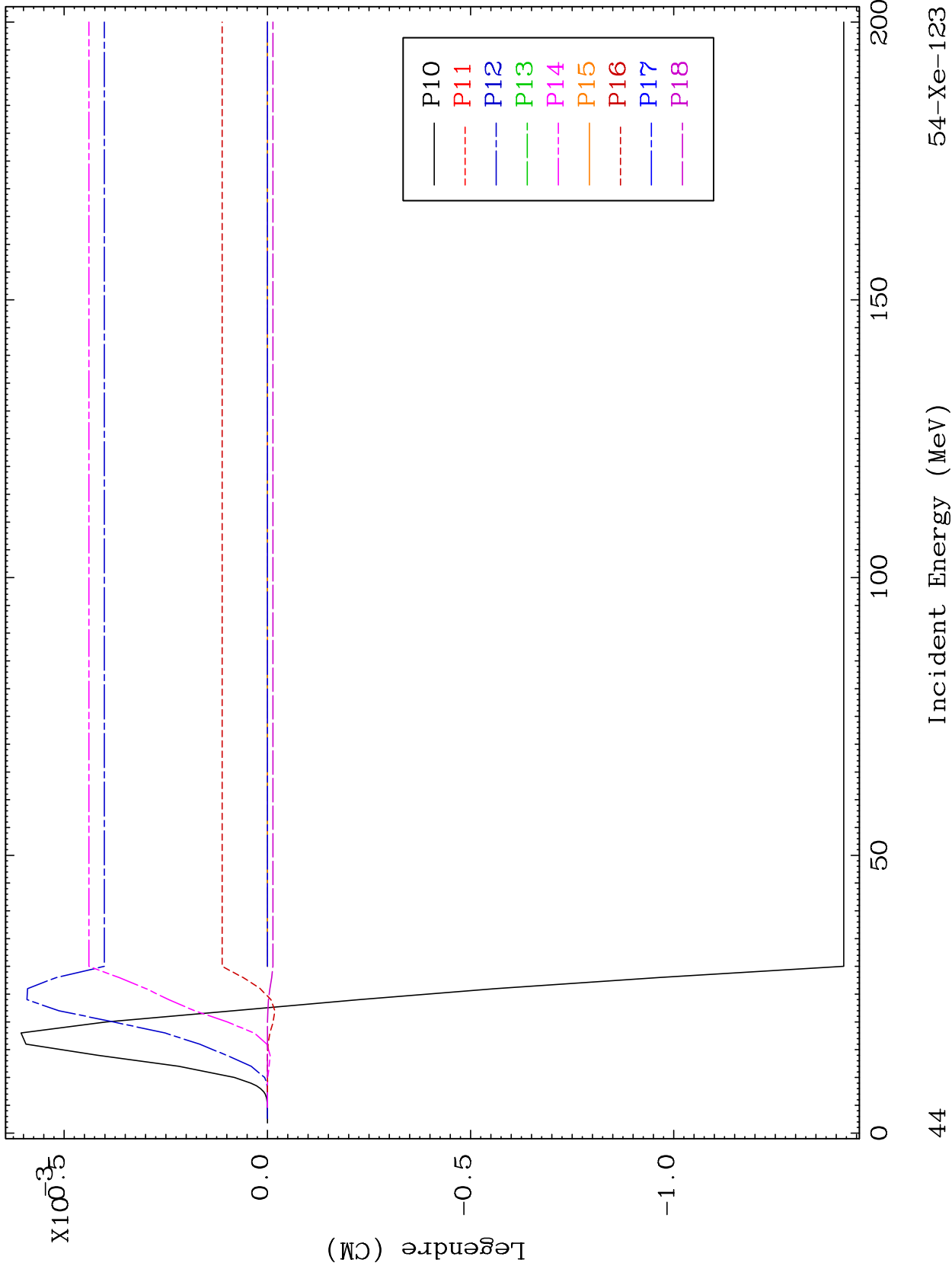
Incident Energy (MeV)

54-Xe-123

MAT 5422

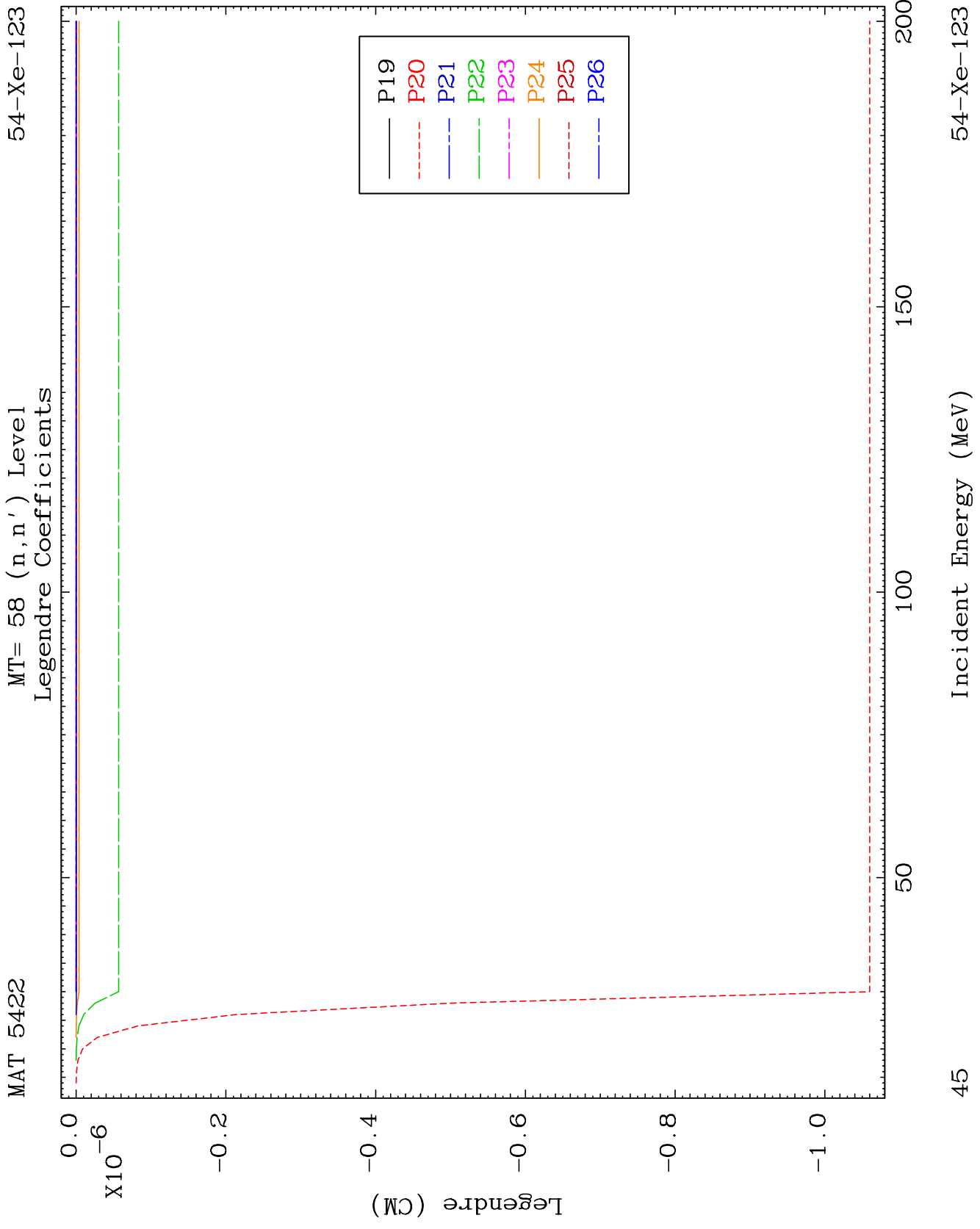
MT= 58 (n,n') Level  
Legendre Coefficients

54-Xe-123



44

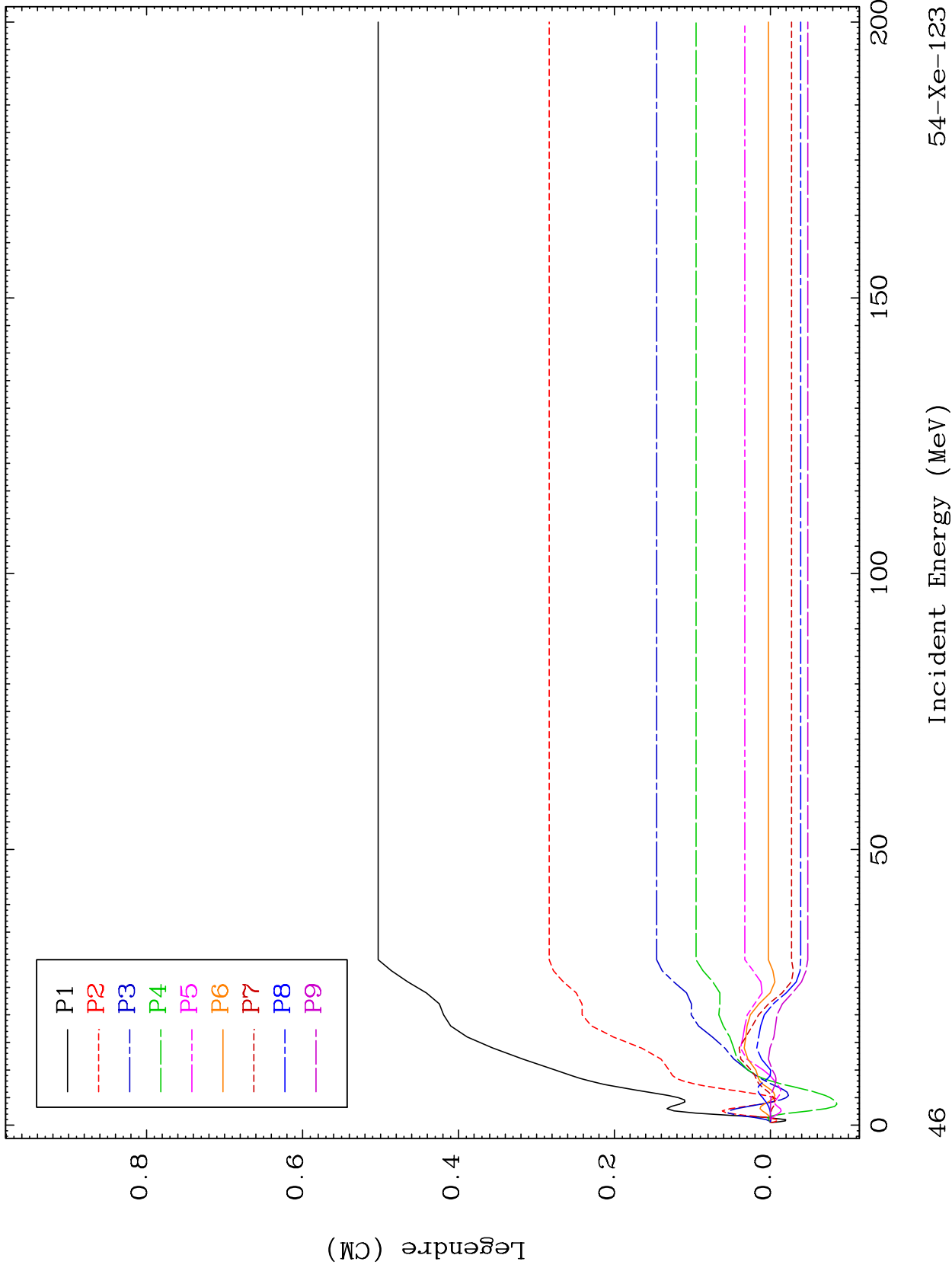
54-Xe-123



MAT 5422

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

54-Xe-123



54-Xe-123

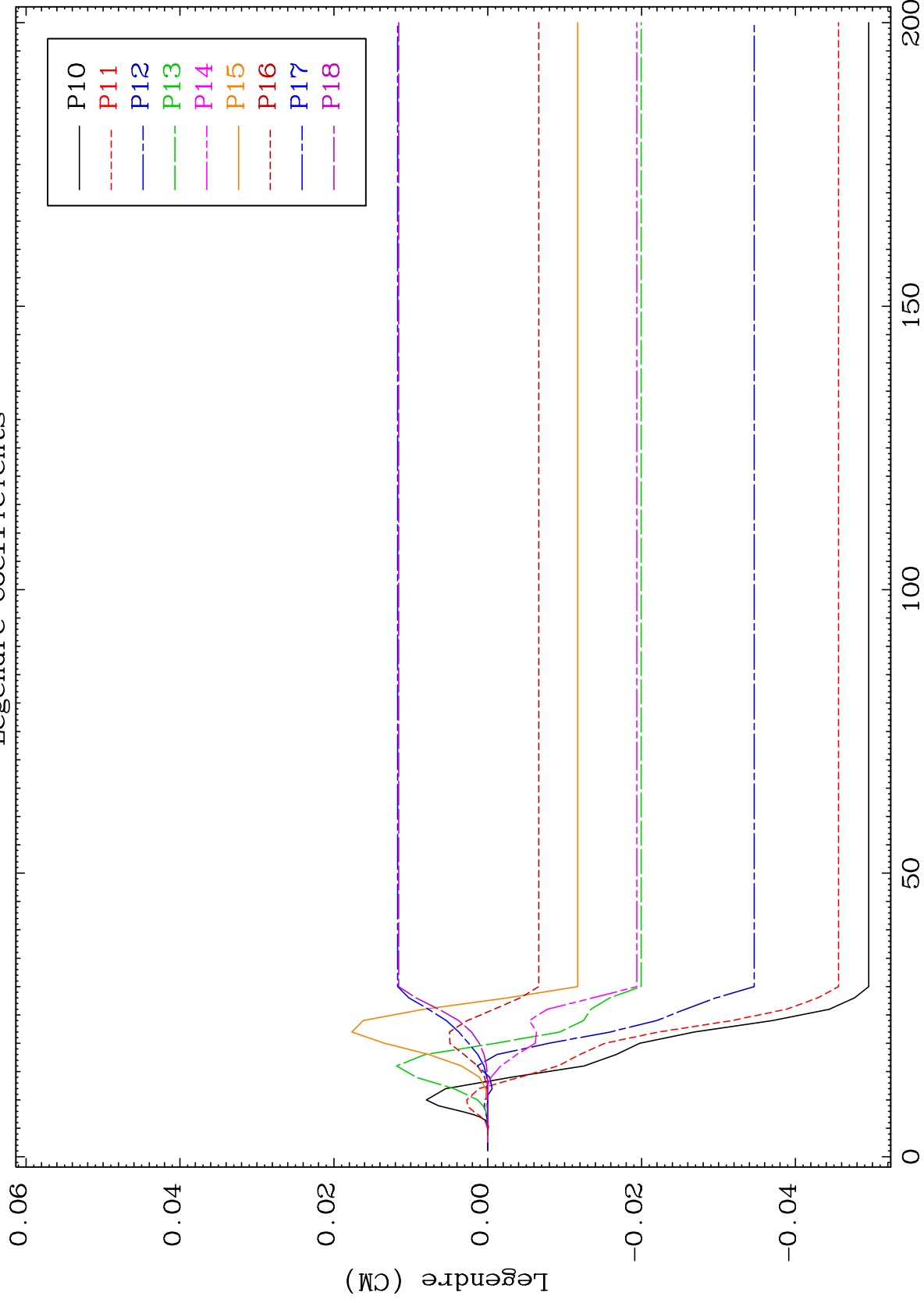
Incident Energy (MeV)

46

MAT 5422

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

54-Xe-123



47

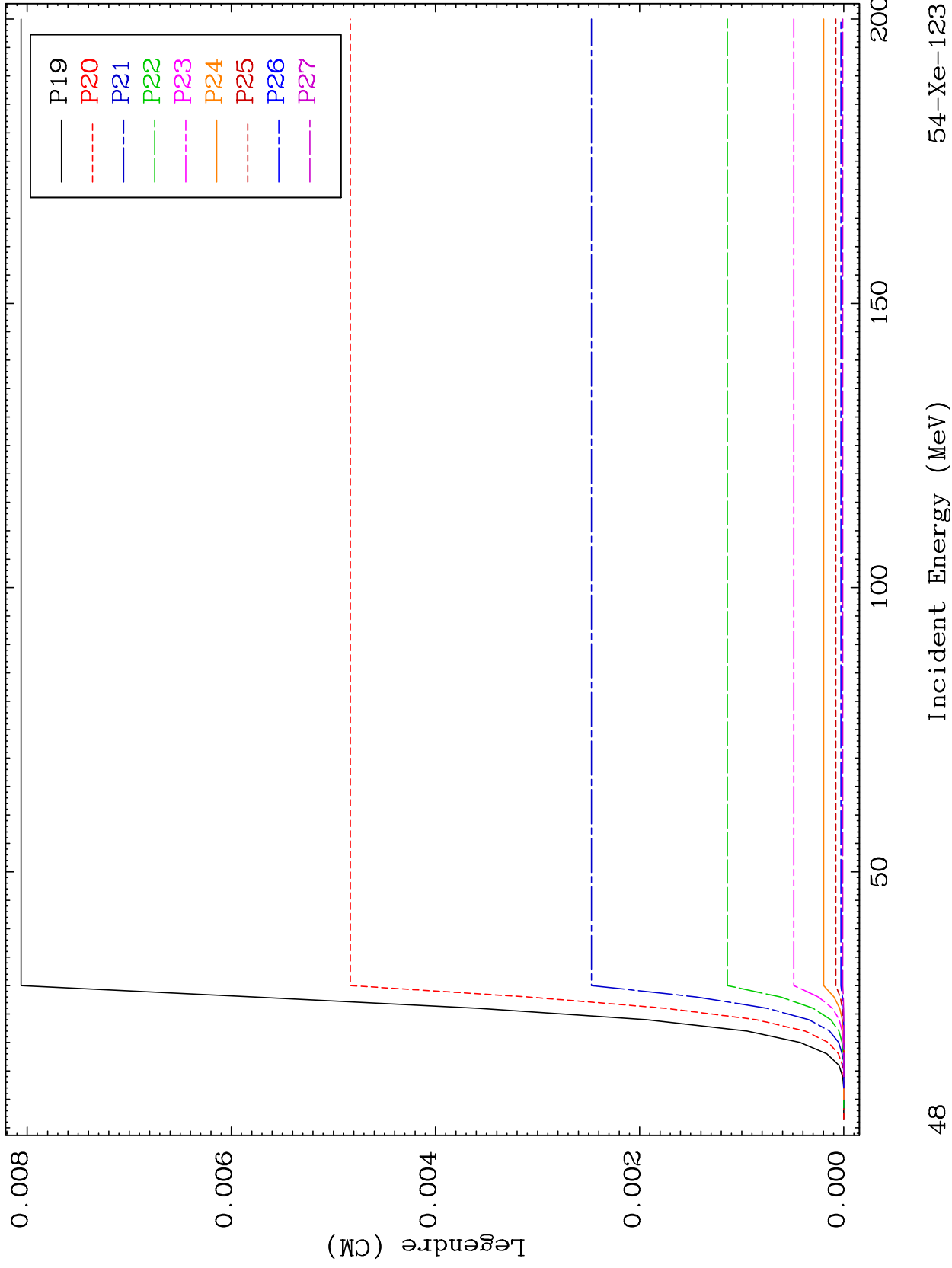
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



48

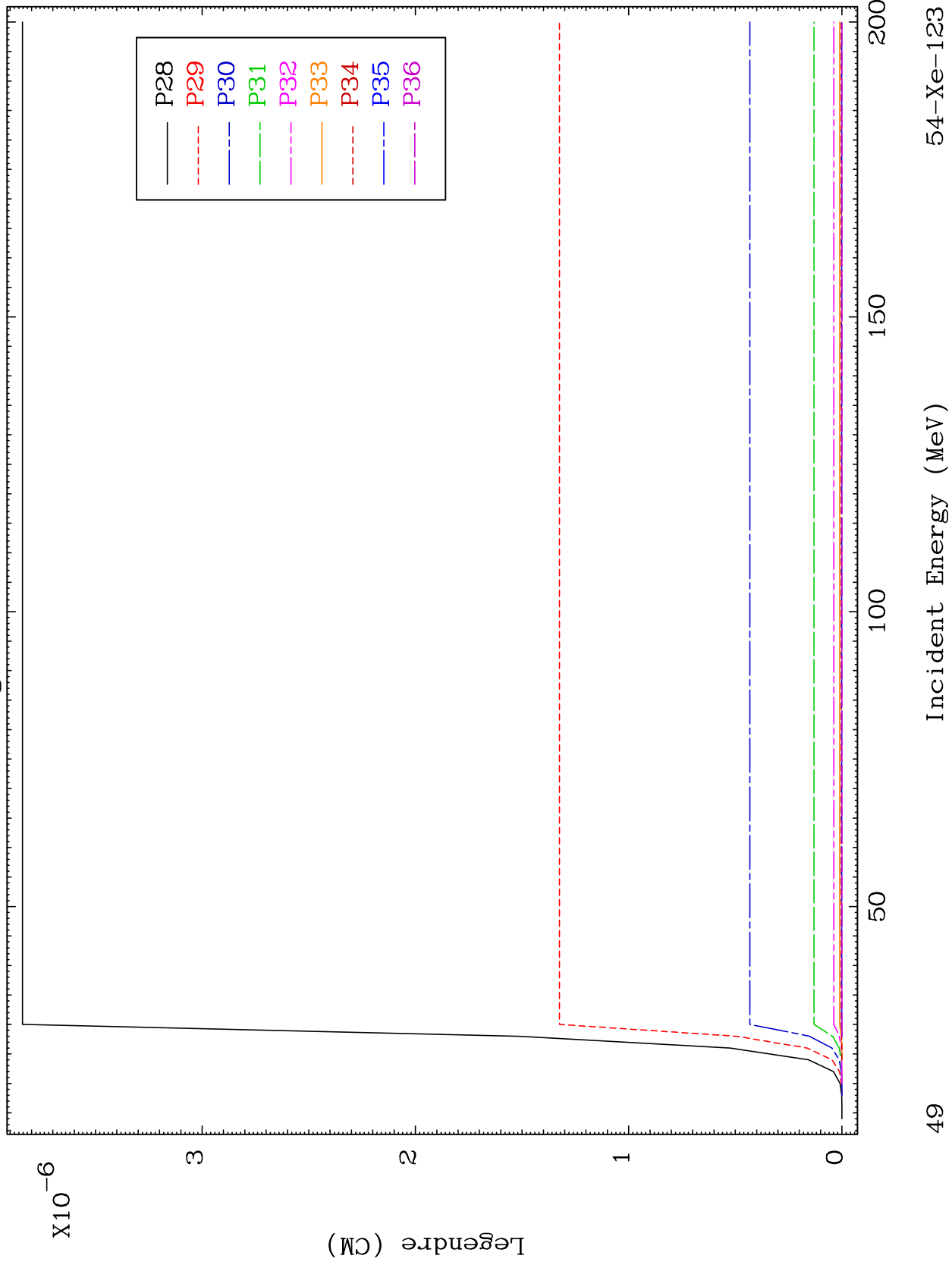
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



49

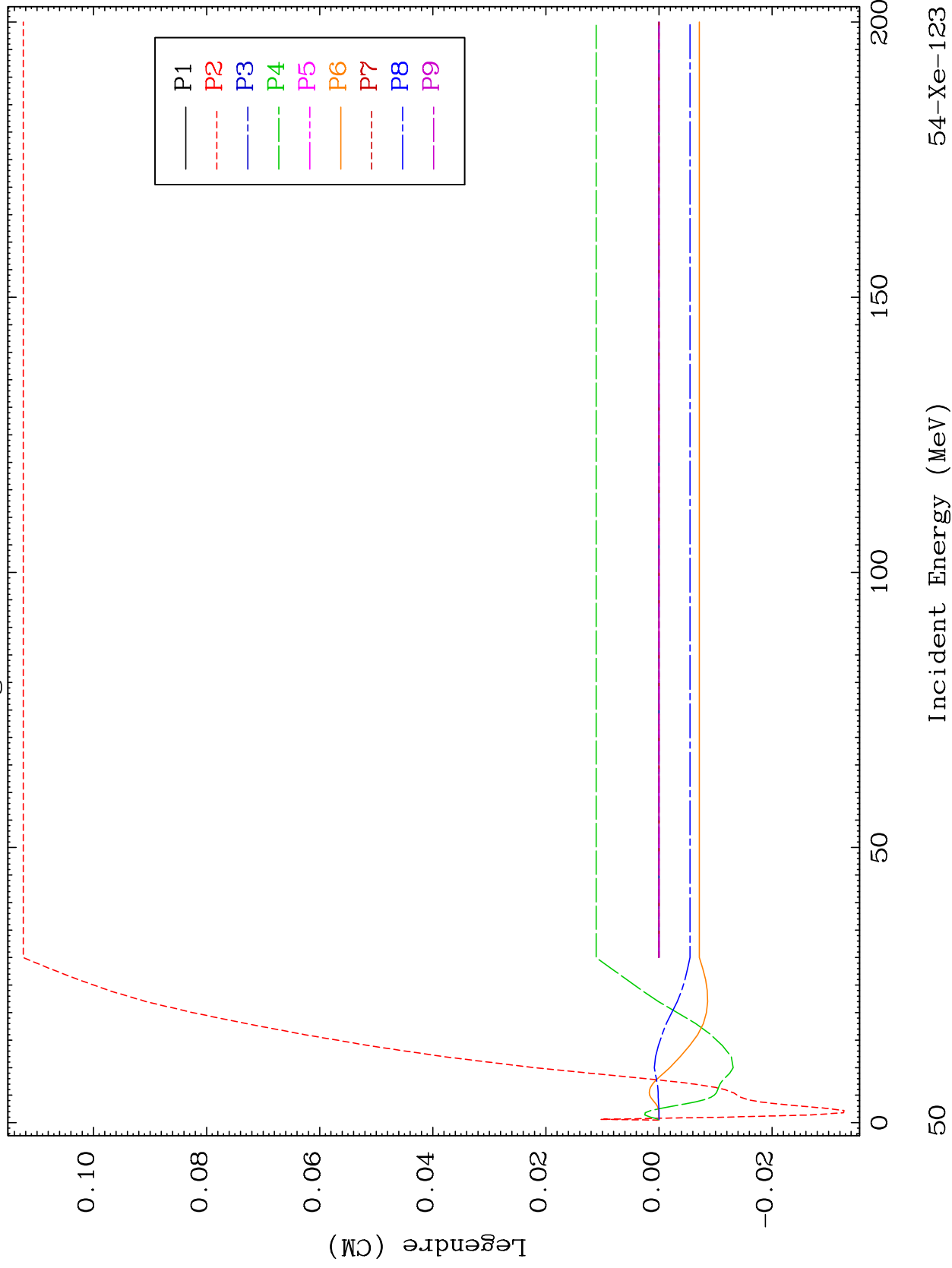
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



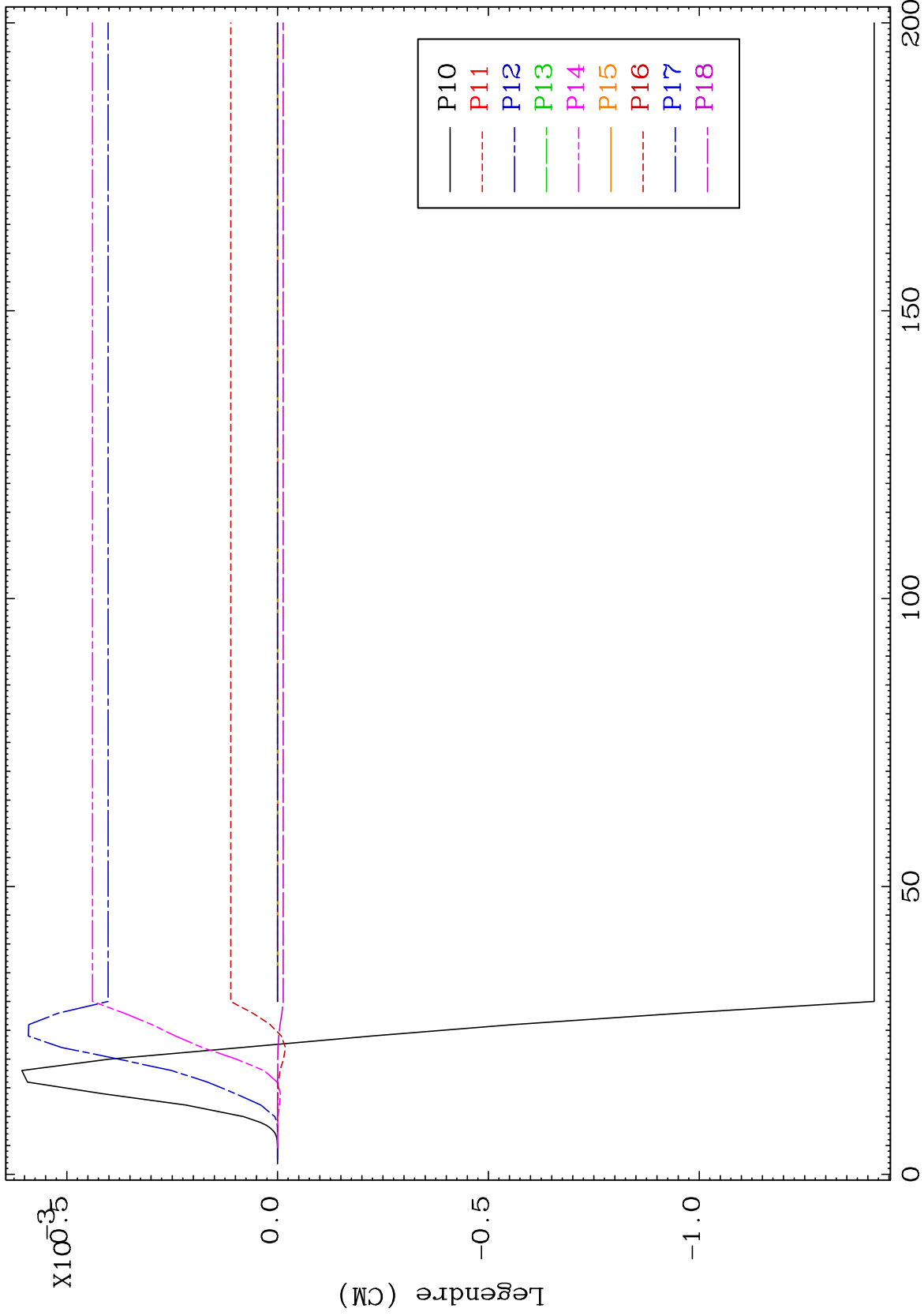
54-Xe-123

Incident Energy (MeV)

MAT 5422

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

54-Xe-123



51

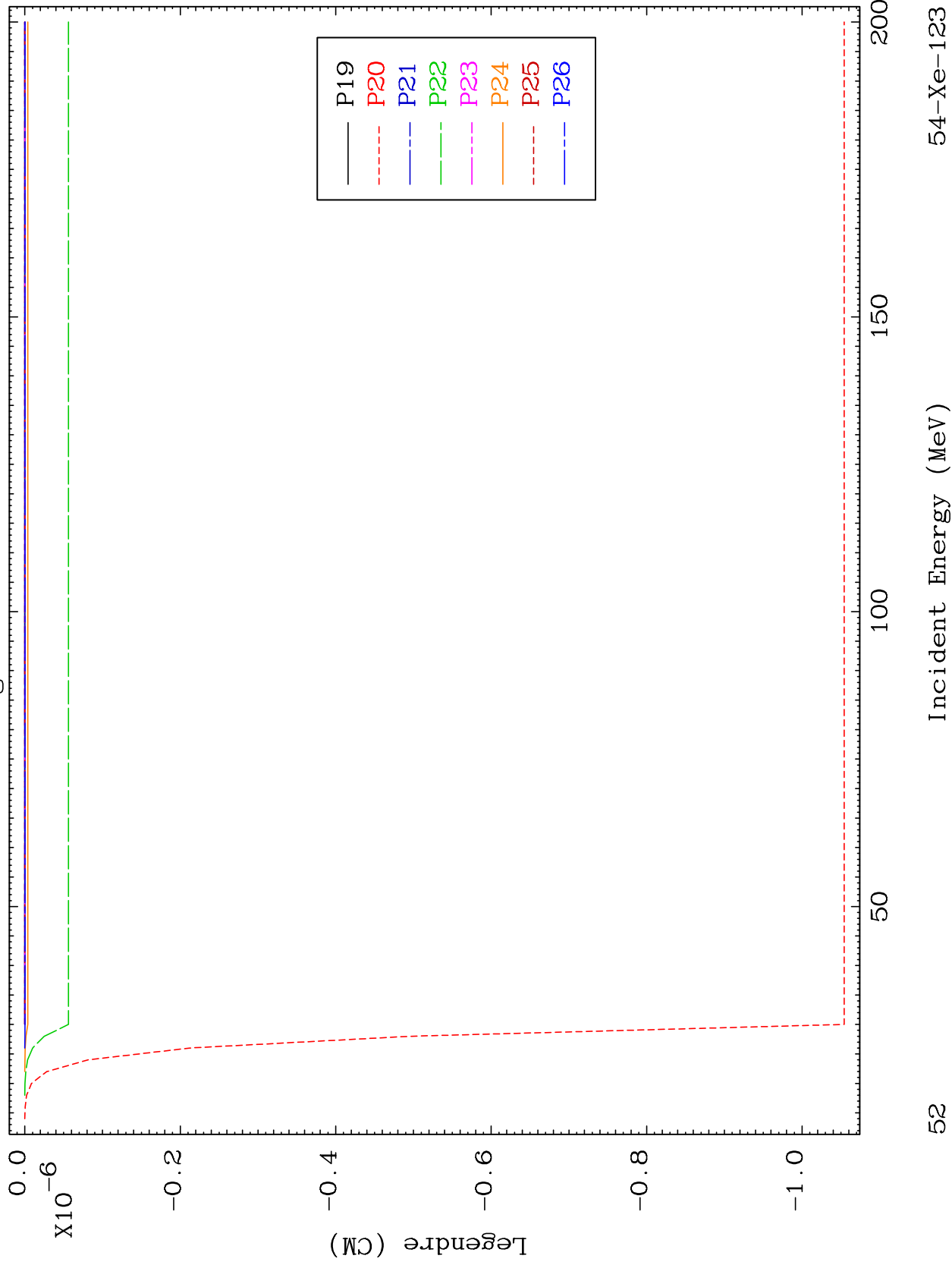
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



52

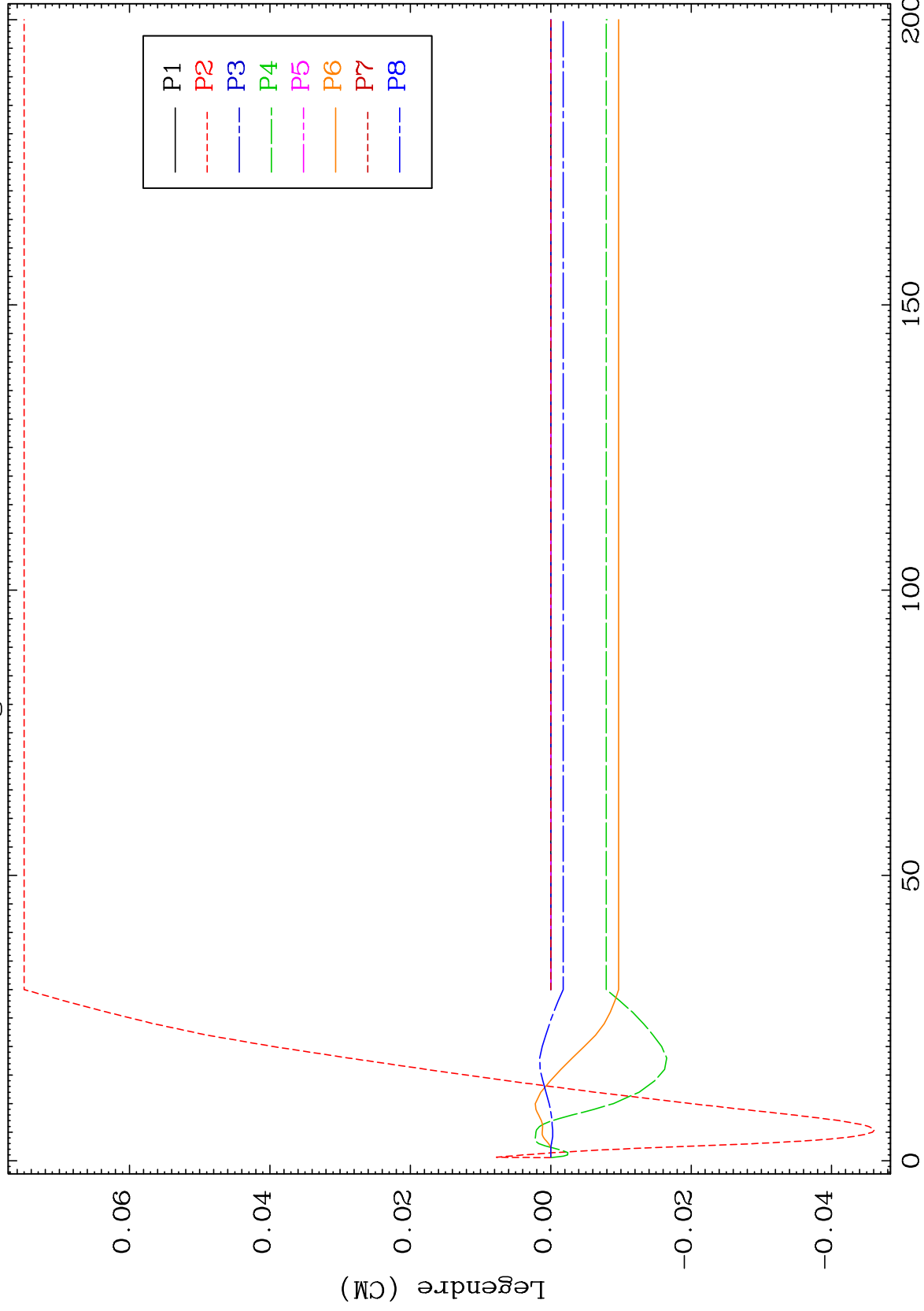
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



53

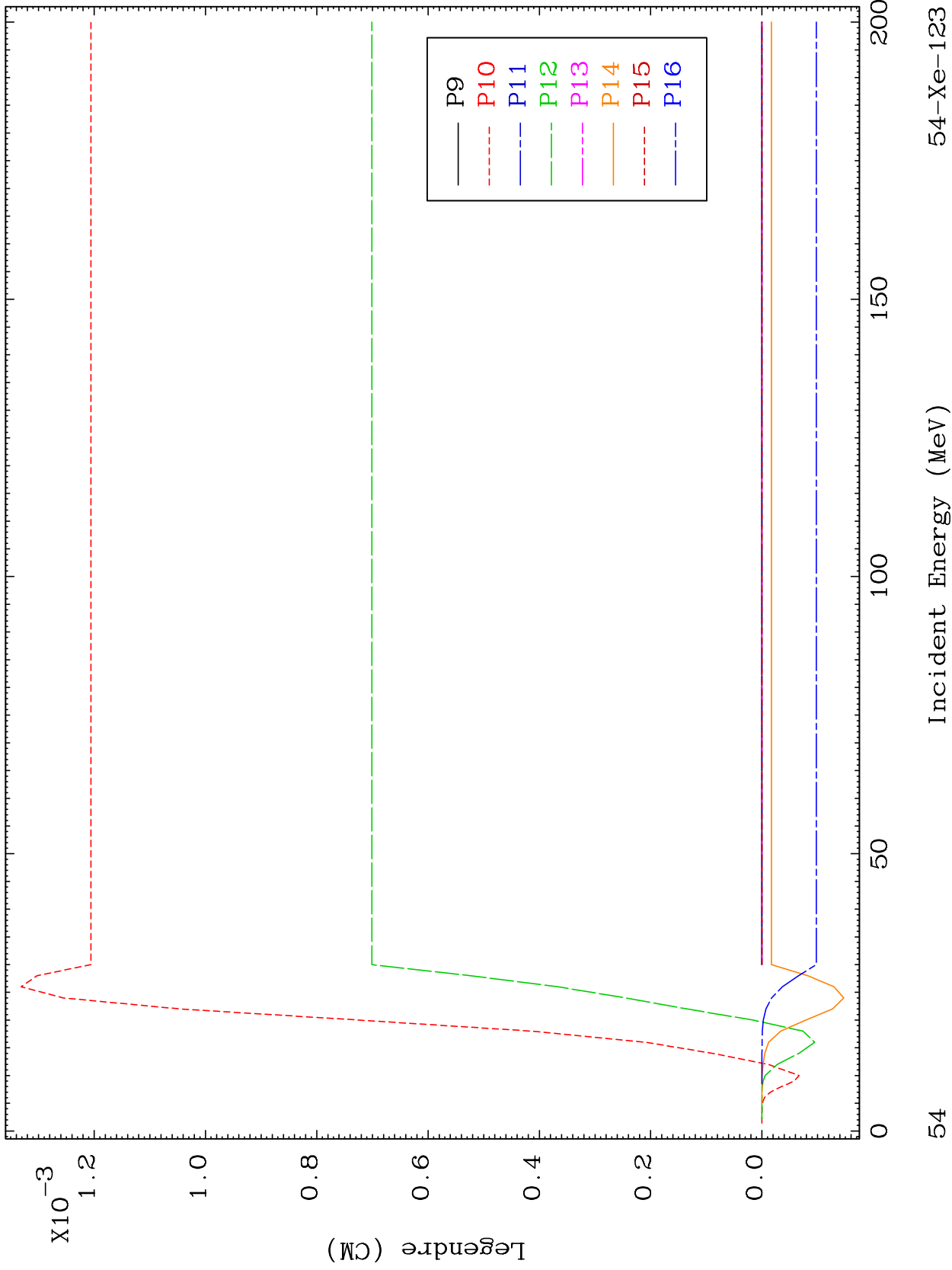
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

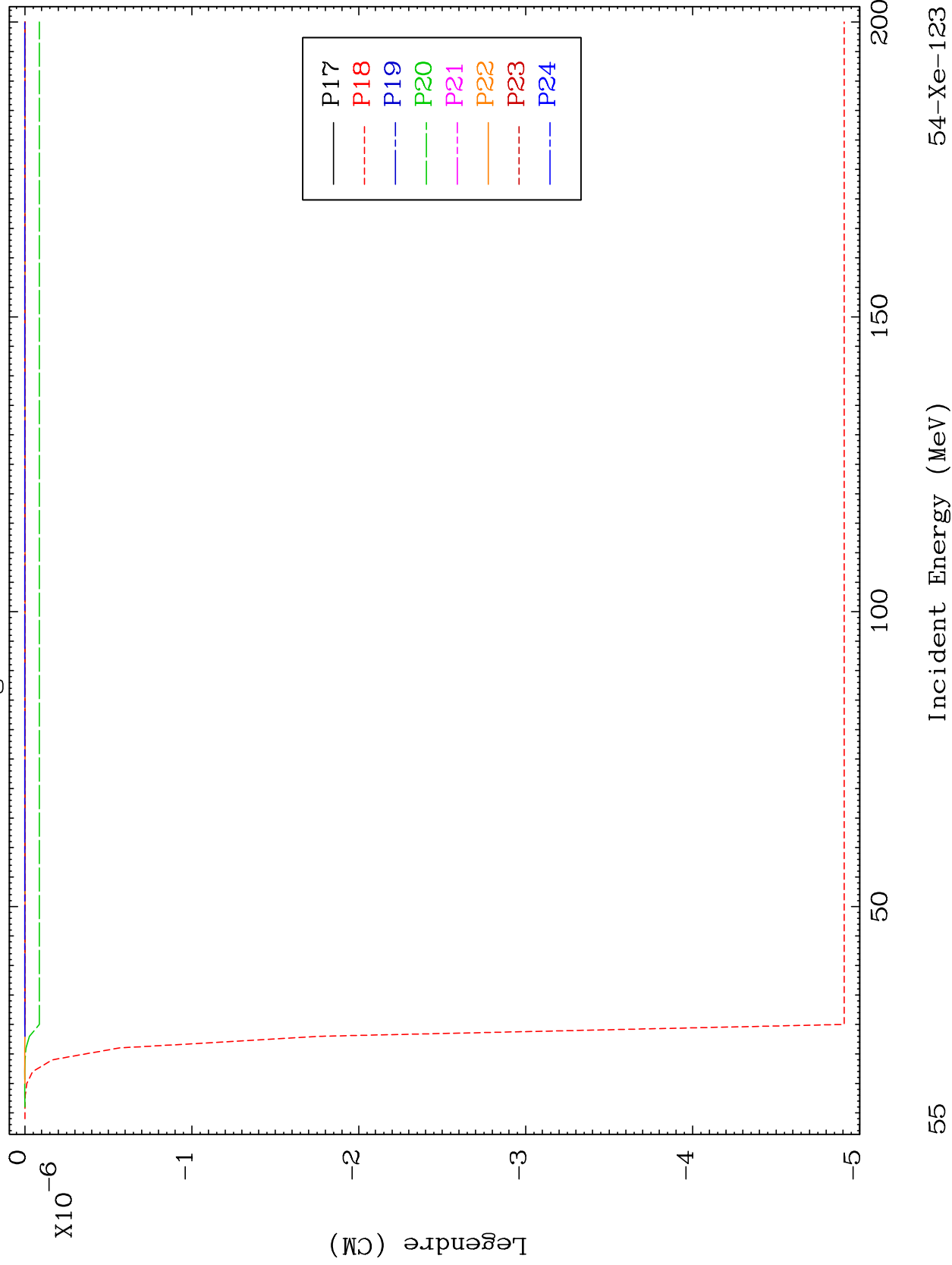
54-Xe-123



MAT 5422

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

54-Xe-123



55

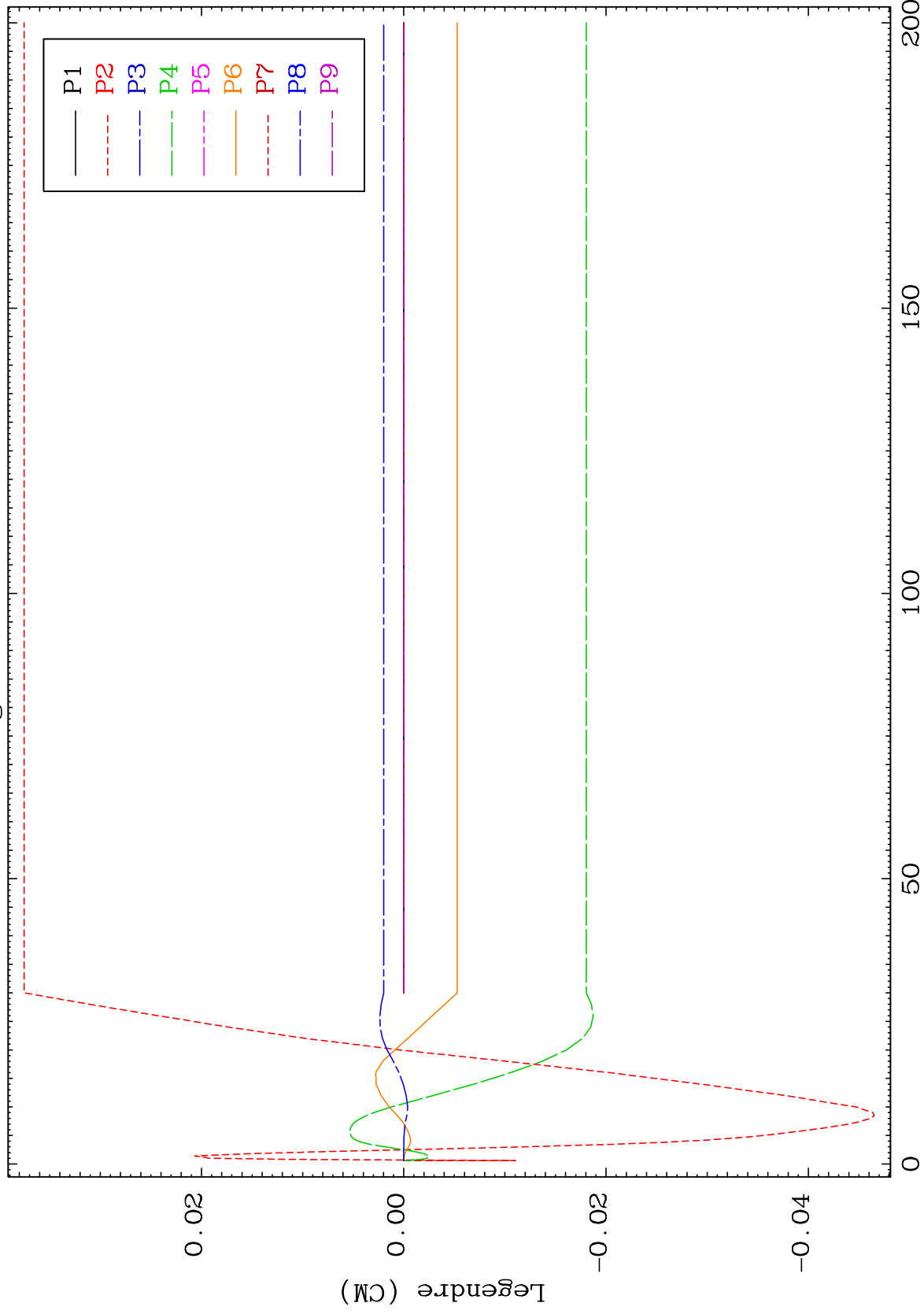
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



54-Xe-123

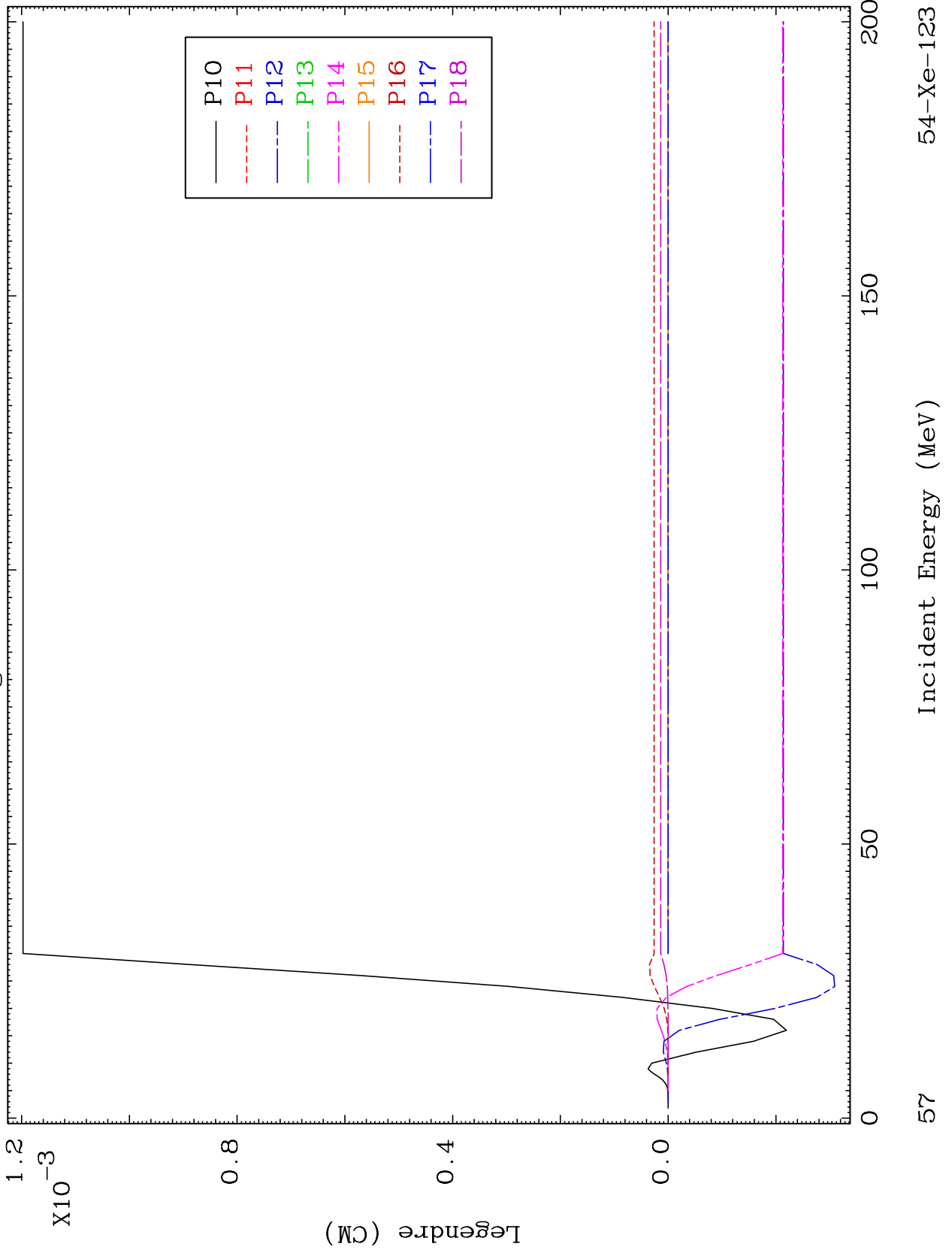
Incident Energy (MeV)

56

MAT 5422

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

54-Xe-123



57

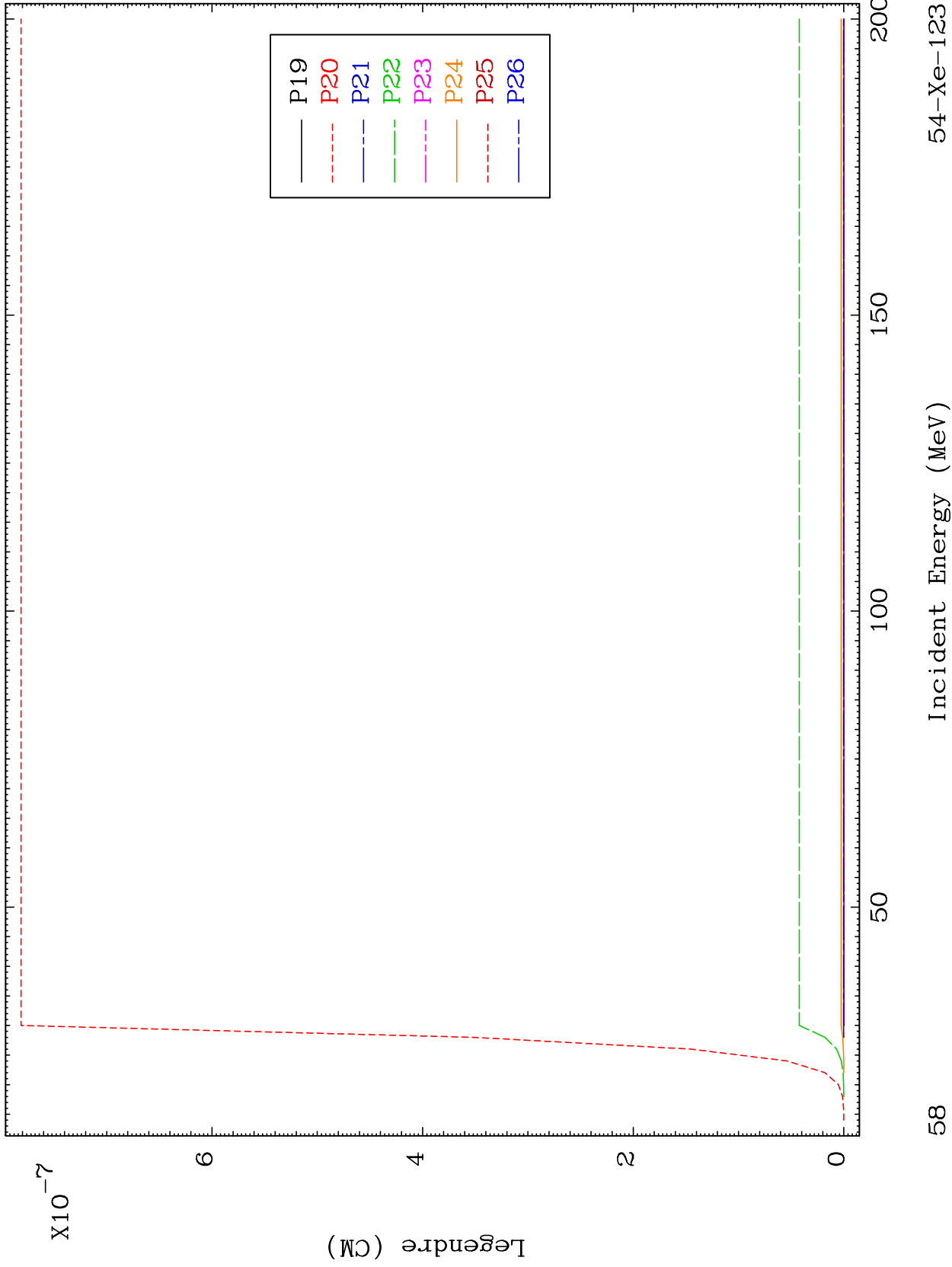
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



54-Xe-123

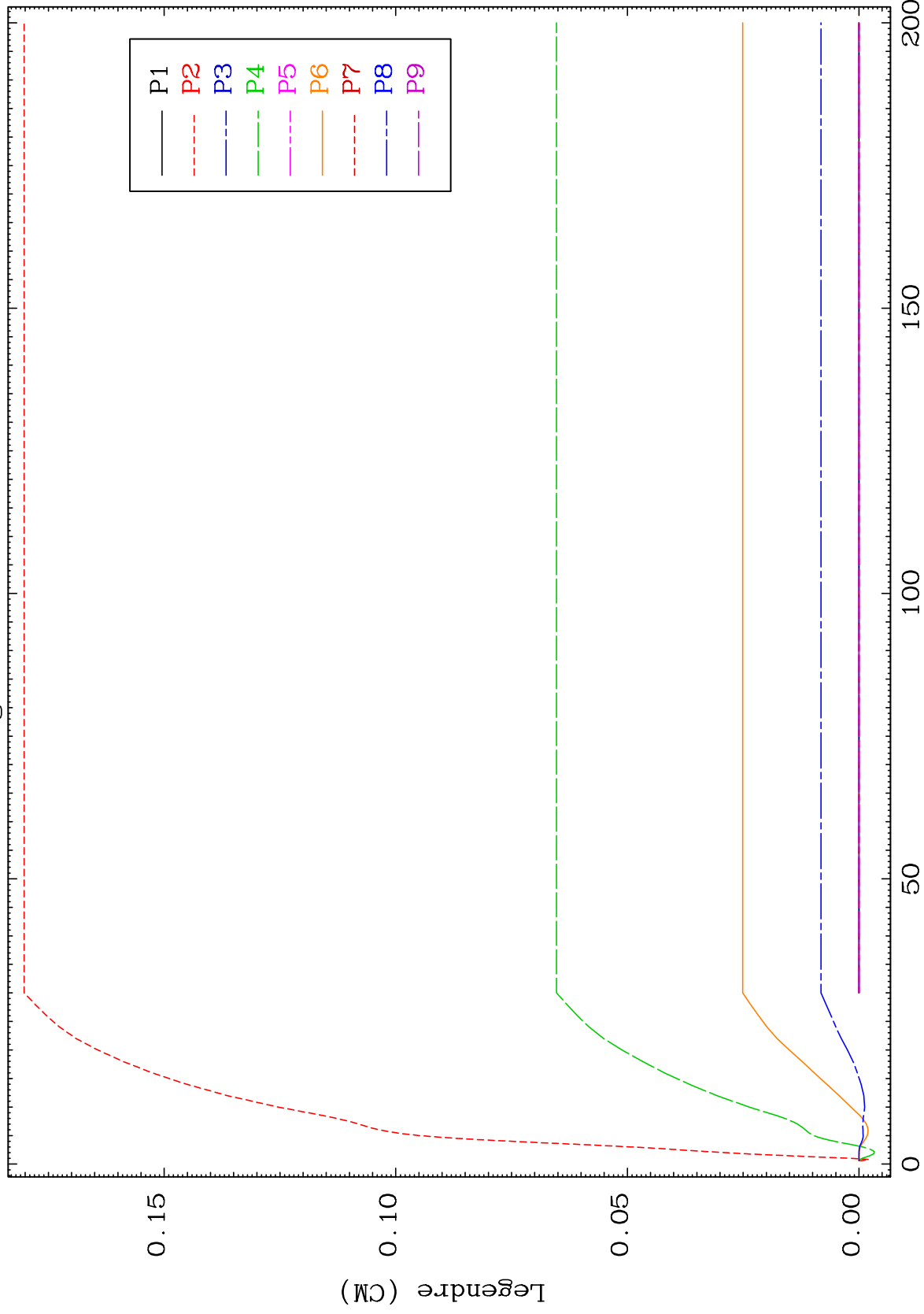
Incident Energy (MeV)

58

MAT 5422

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

54-Xe-123



59

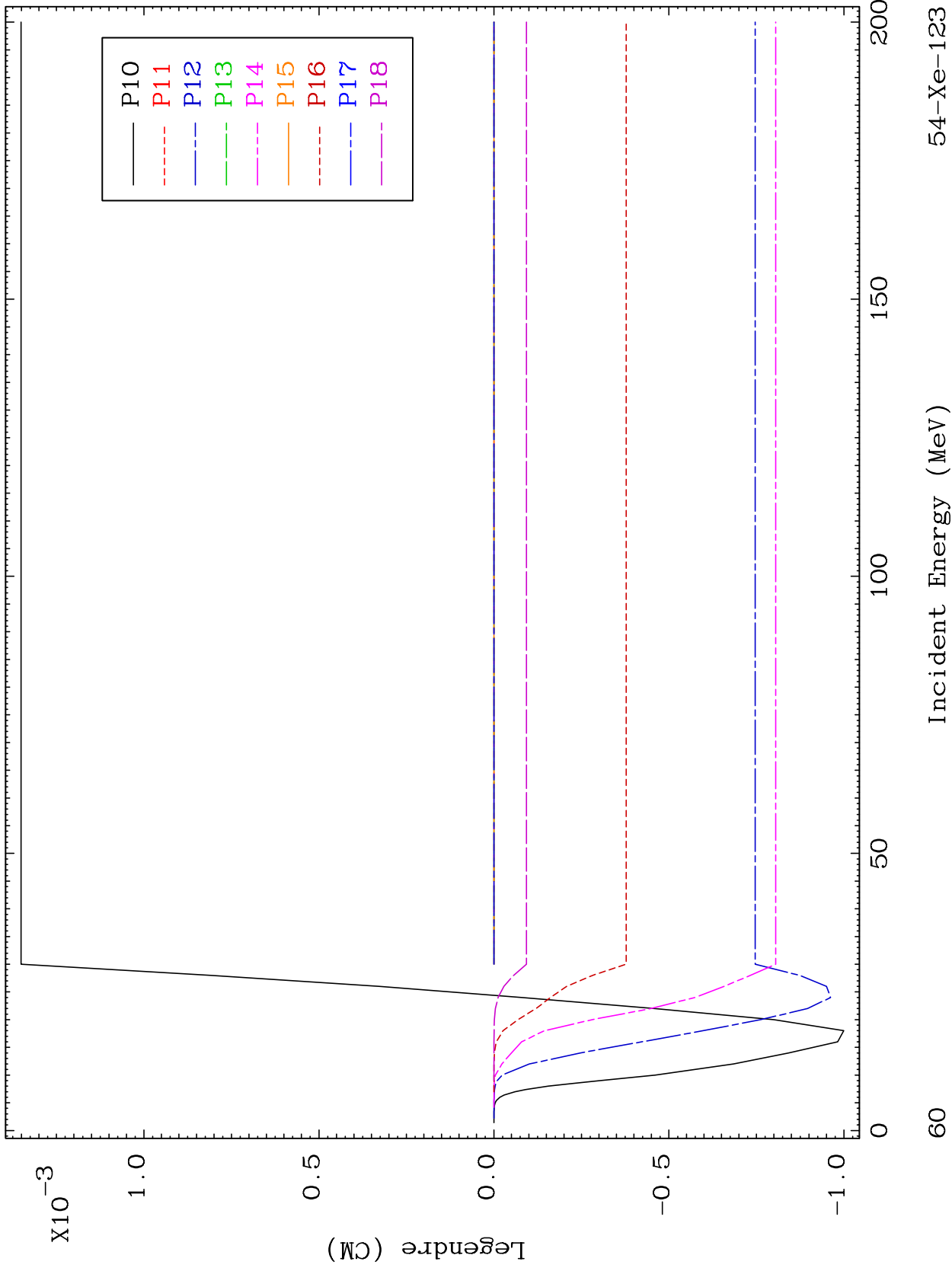
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



54-Xe-123

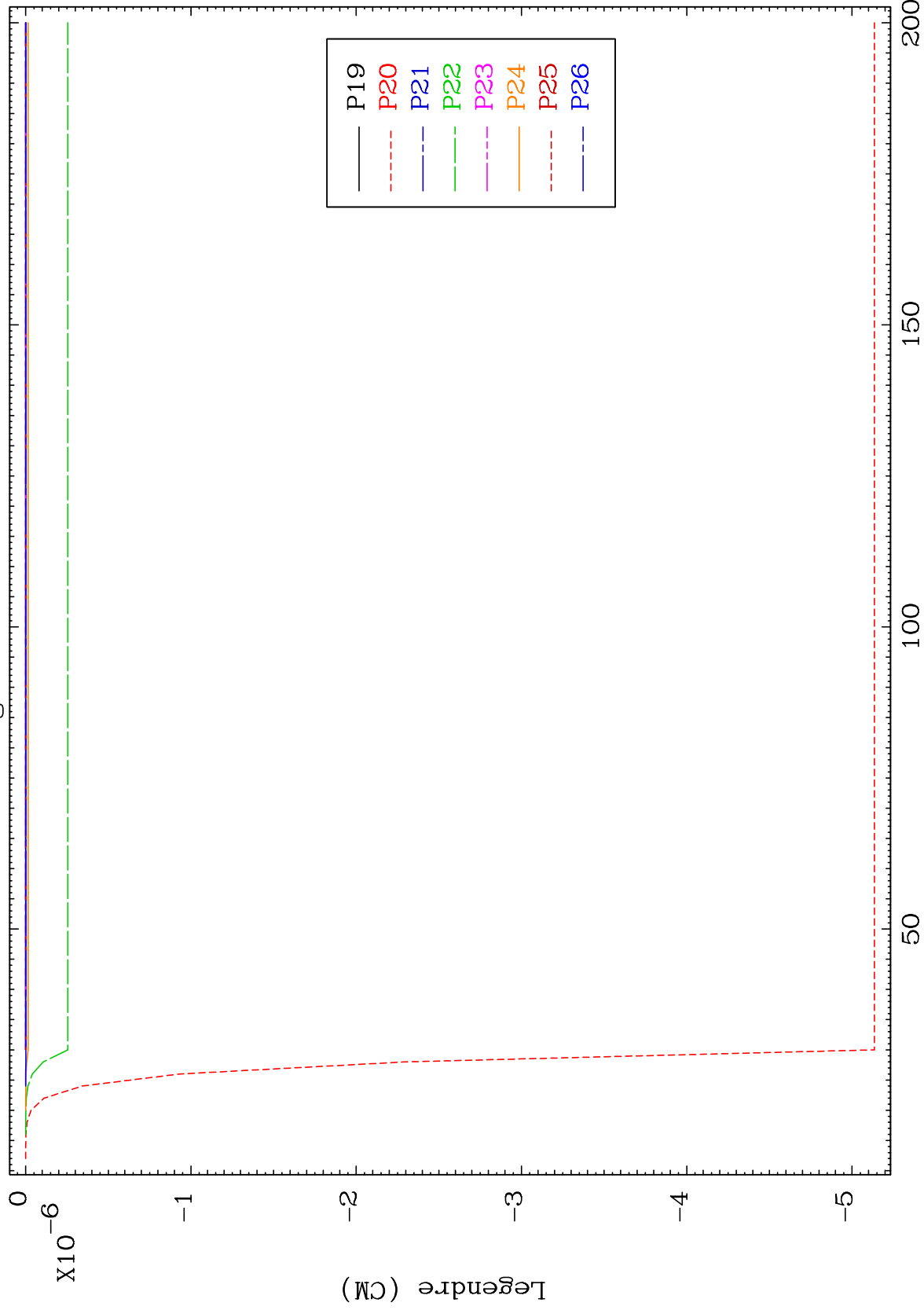
Incident Energy (MeV)

60

MAT 5422

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

54-Xe-123



61

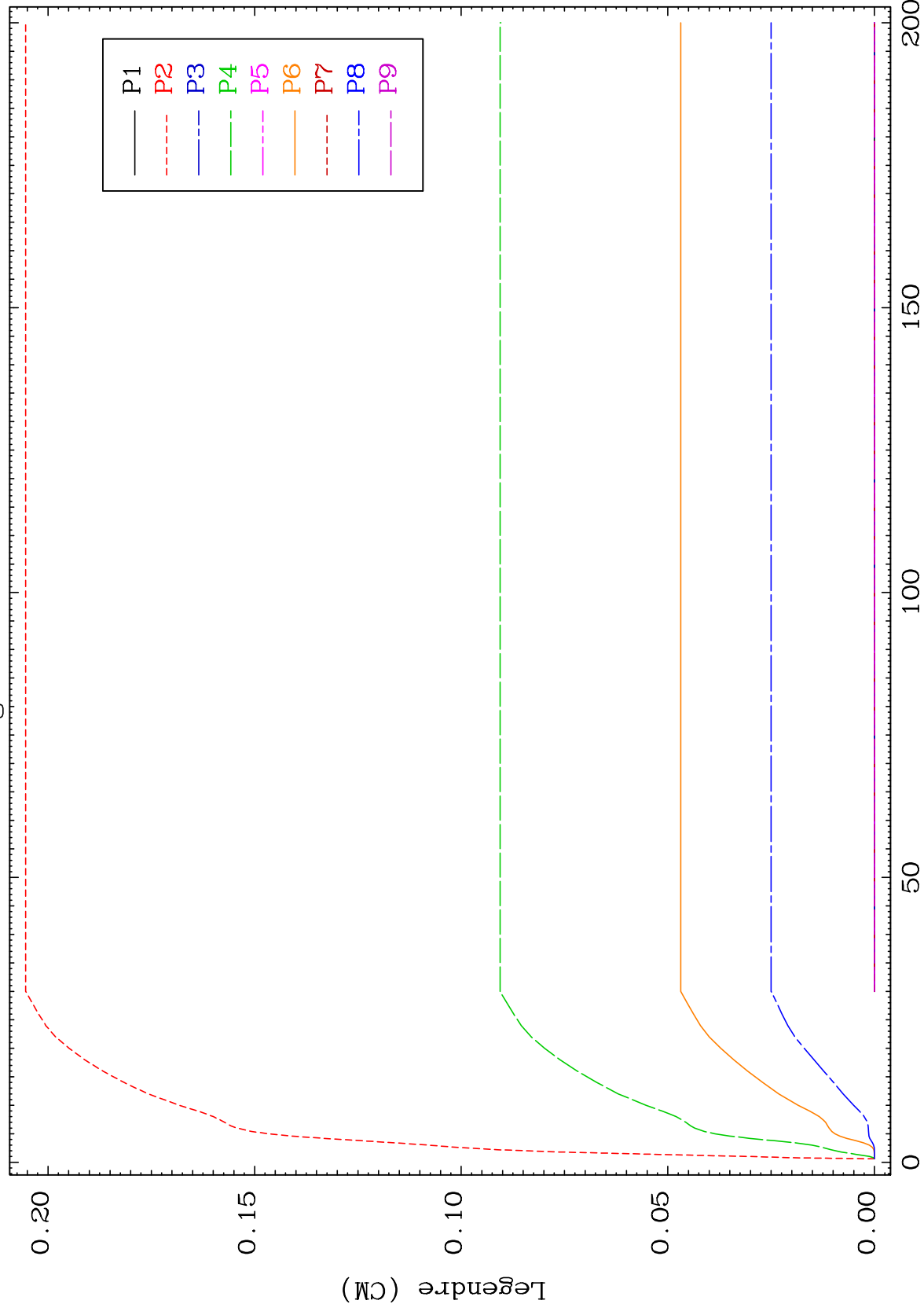
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123



54-Xe-123

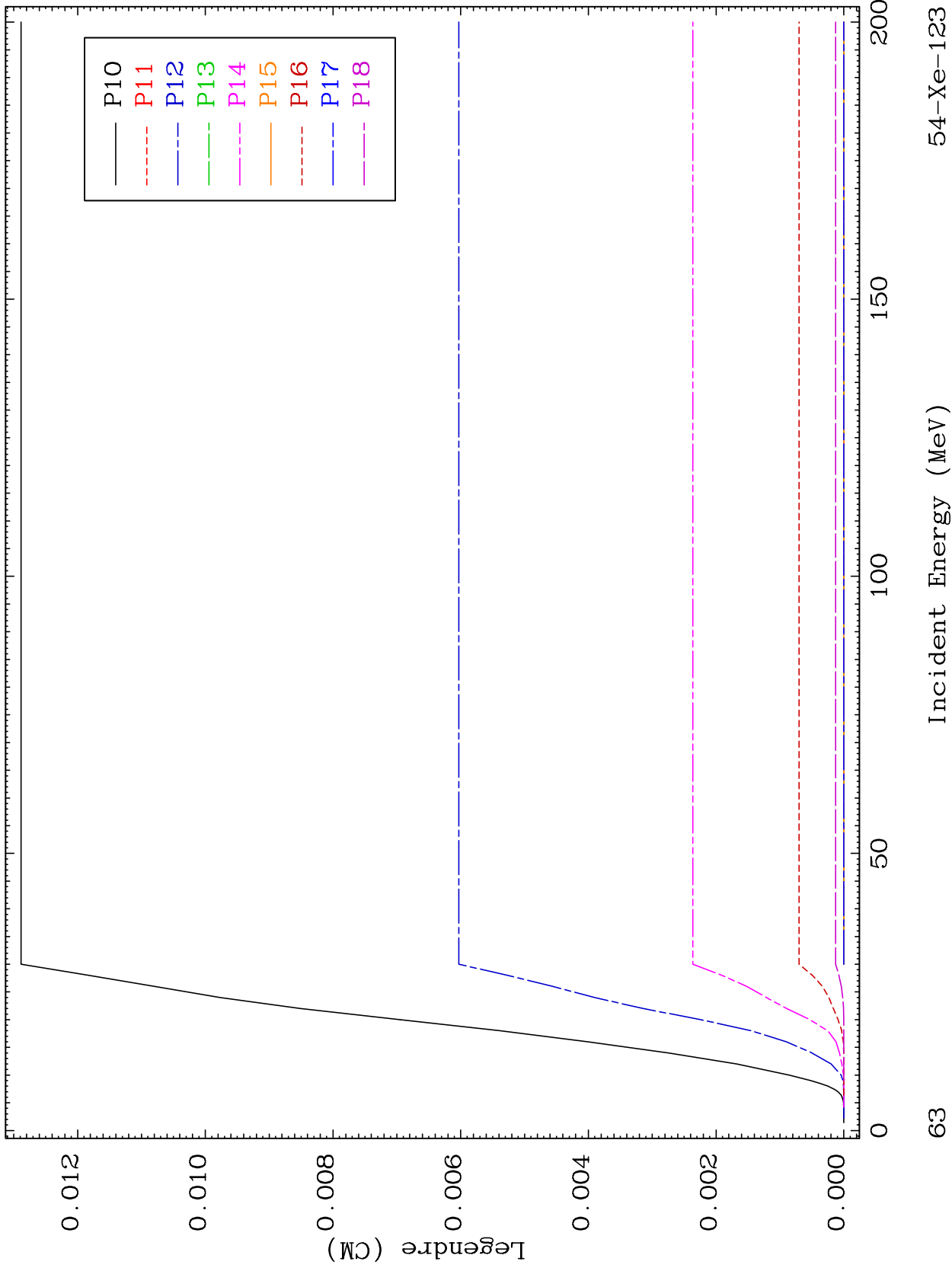
Incident Energy (MeV)

62

MAT 5422

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

54-Xe-123



63

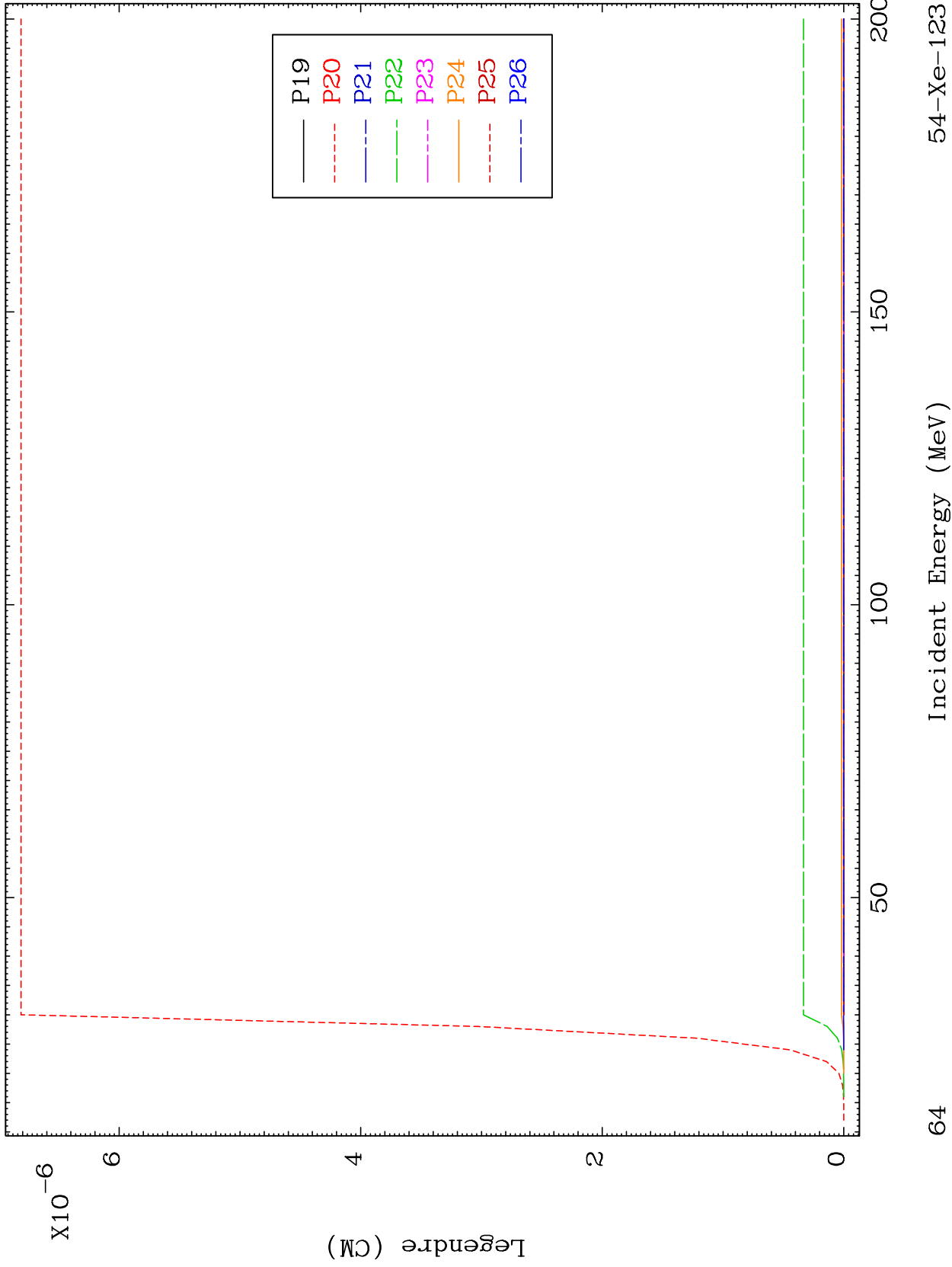
Incident Energy (MeV)

54-Xe-123

MAT 5422

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

54-Xe-123

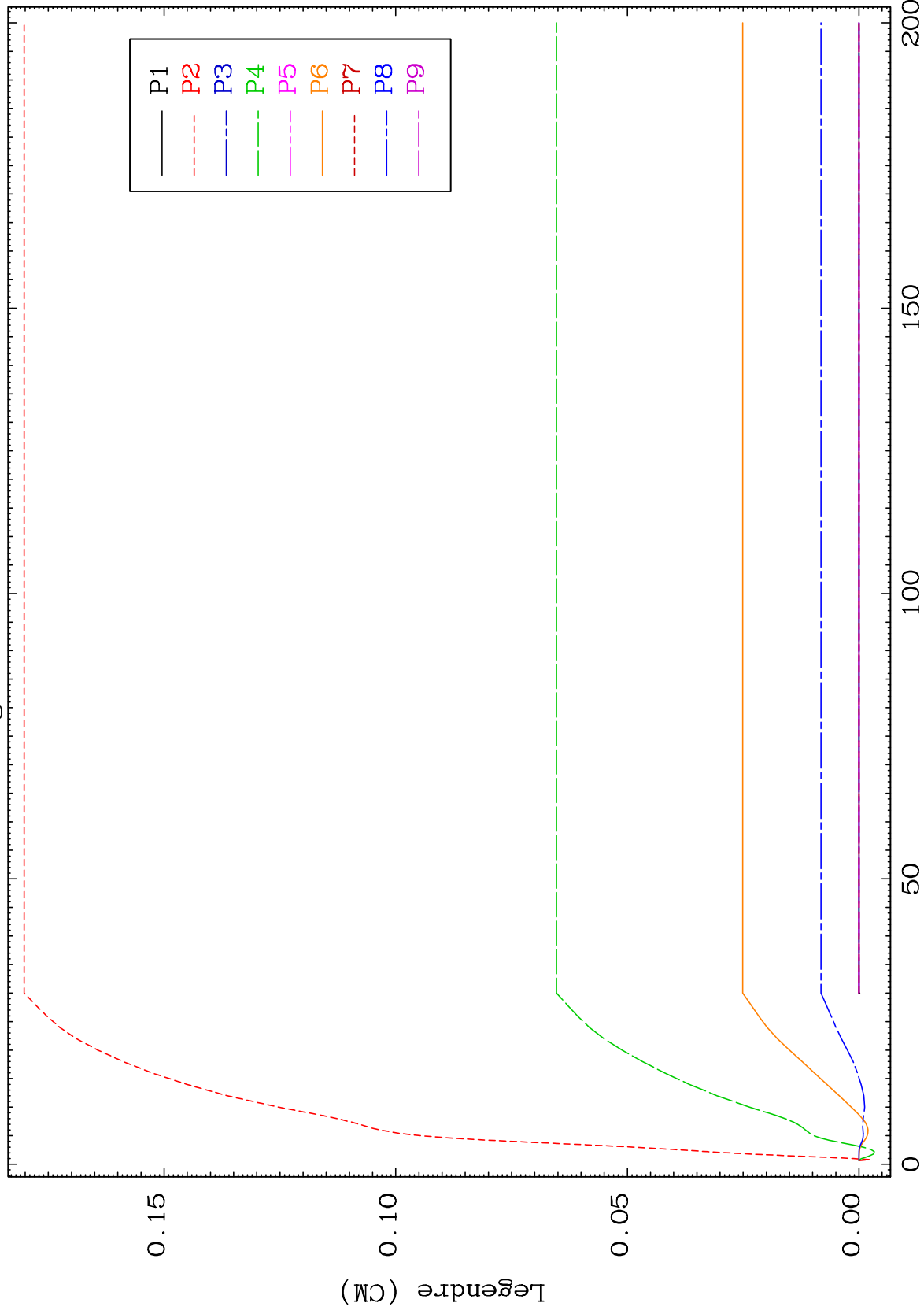


64

MAT 5422

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

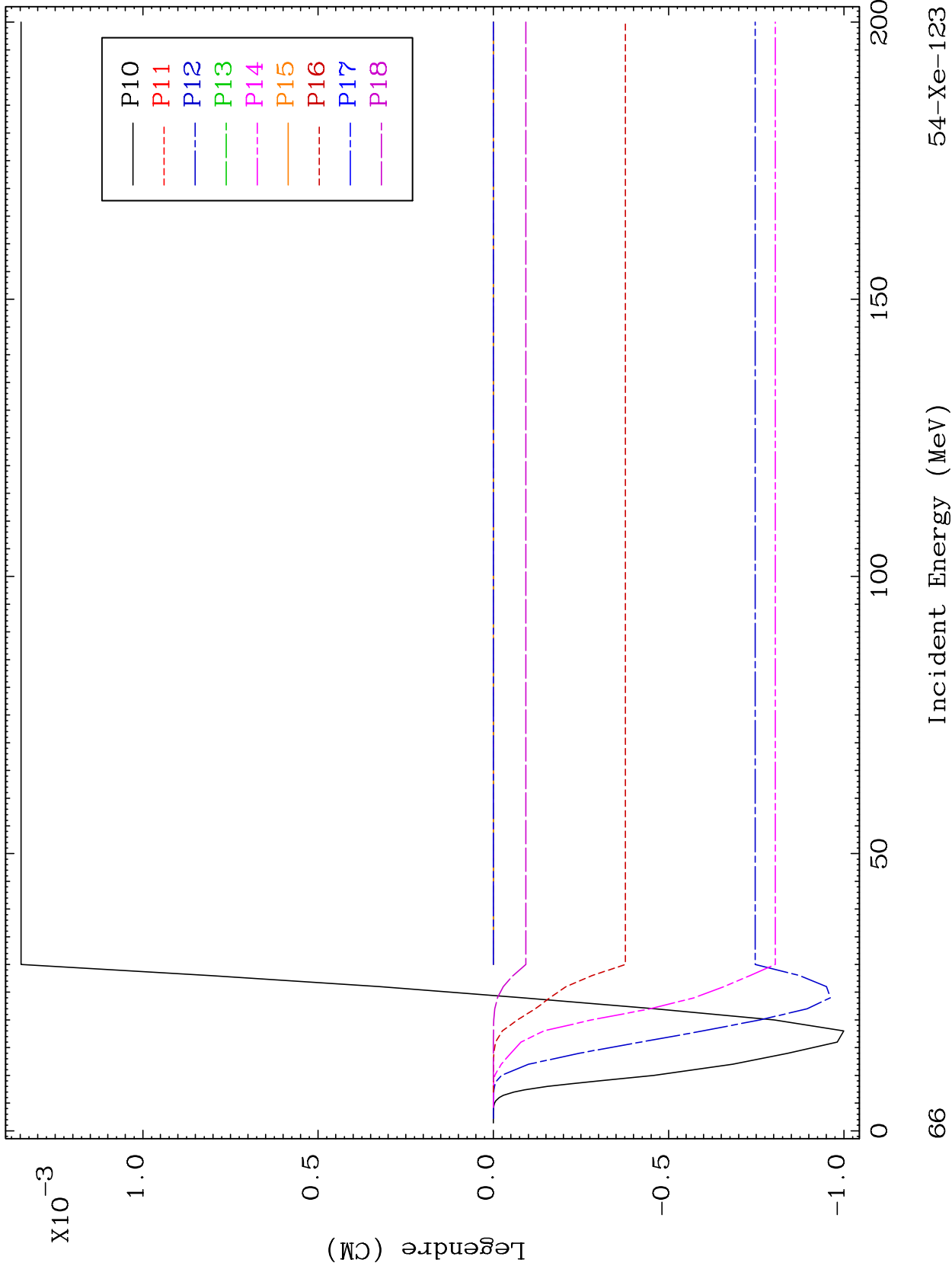
54-Xe-123



54-Xe-123

Incident Energy (MeV)

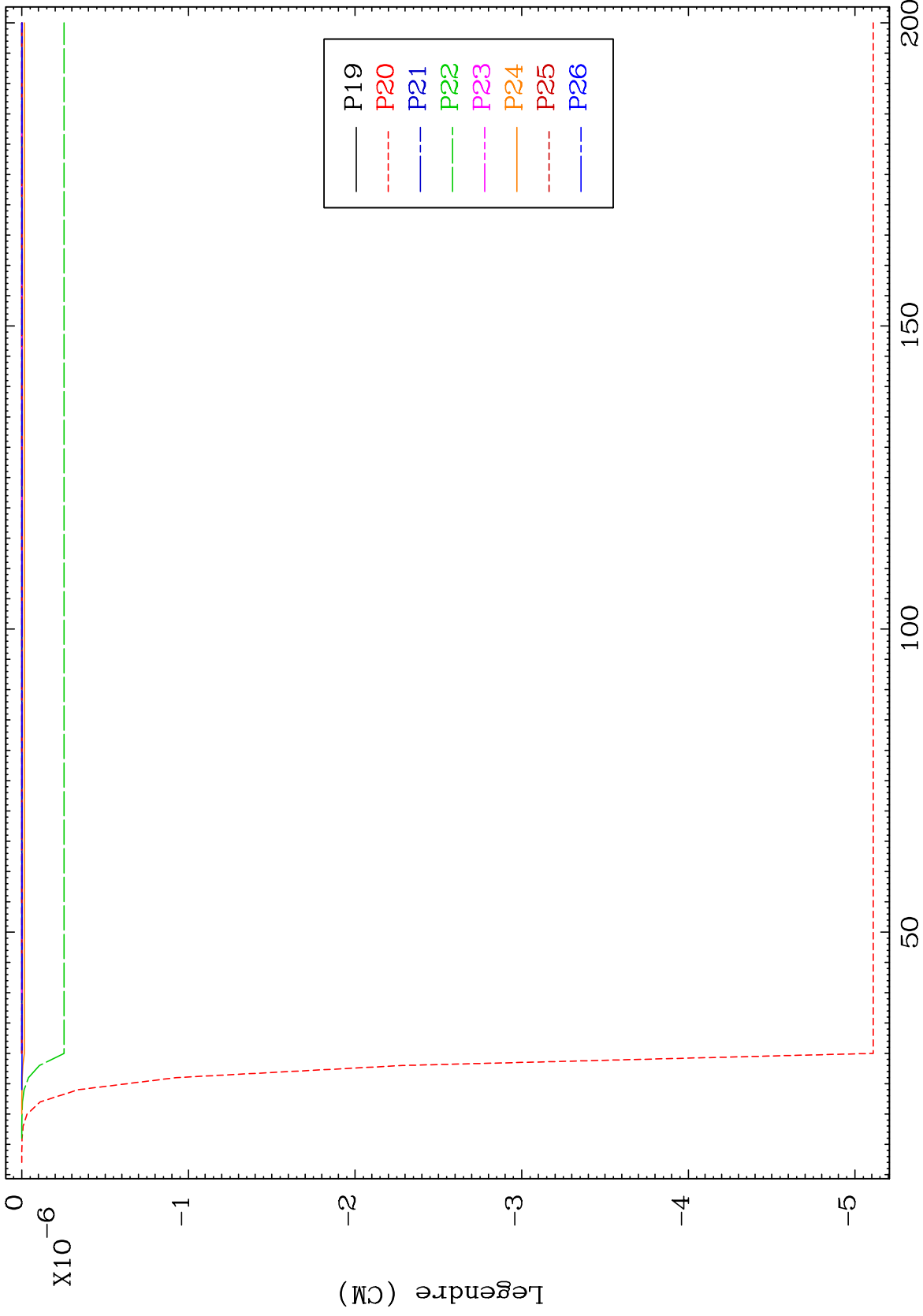
65



MAT 5422

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

54-Xe-123

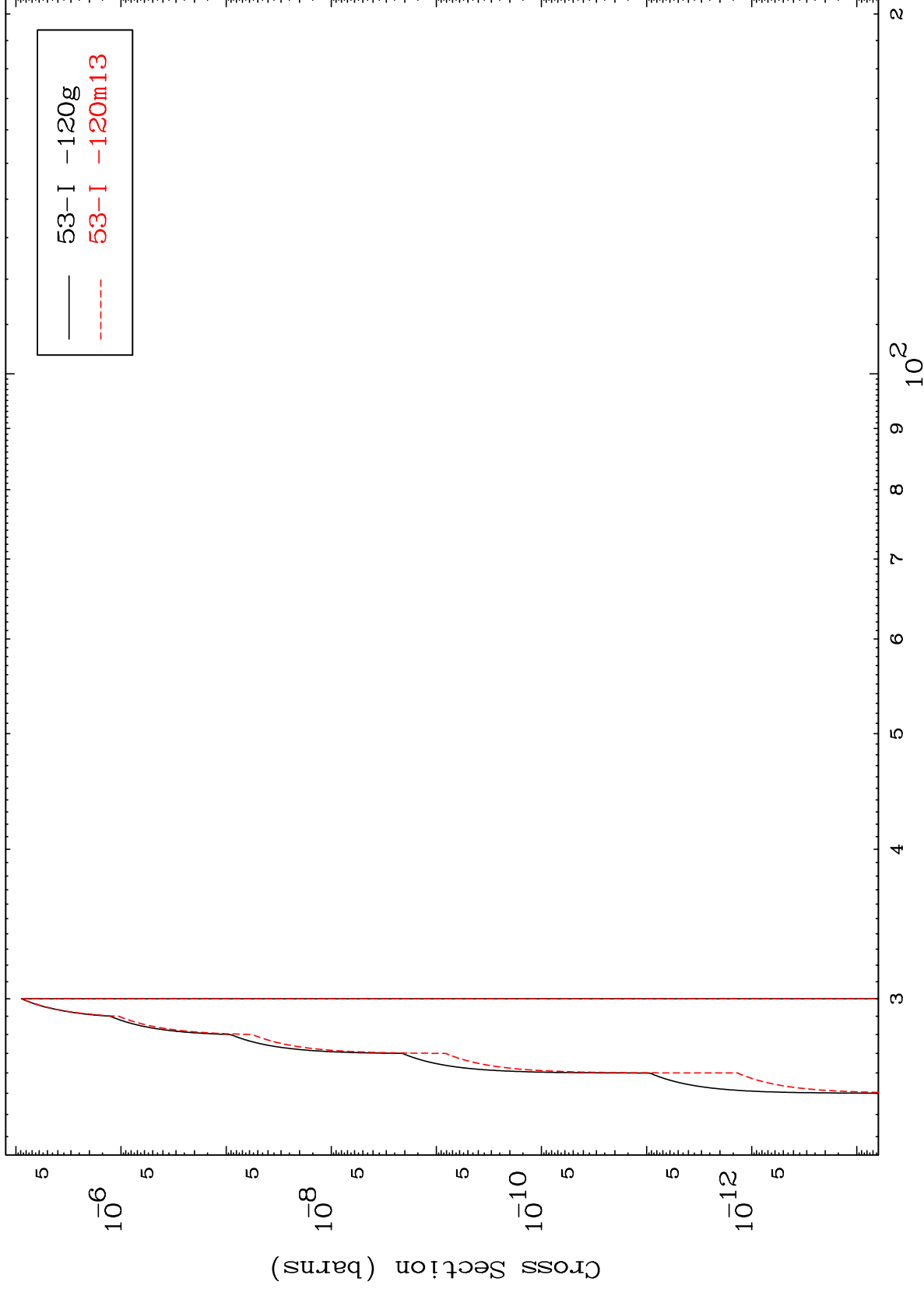


67

Incident Energy (MeV)

54-Xe-123

Radionuclide Production Cross Section

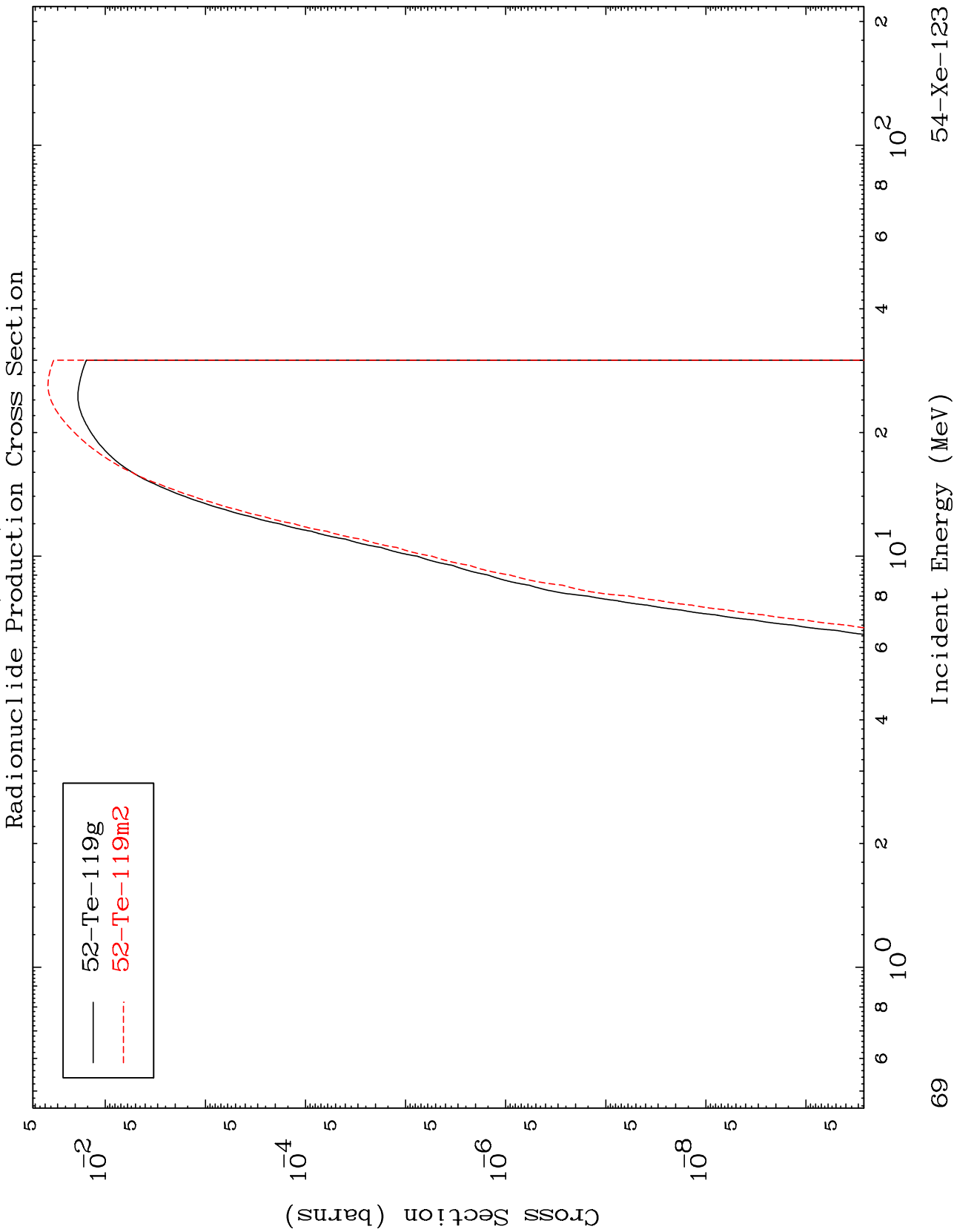


53-I -120g  
53-I -120m13

MAT 5422

(n,n')  $\alpha$

54-Xe-123



69

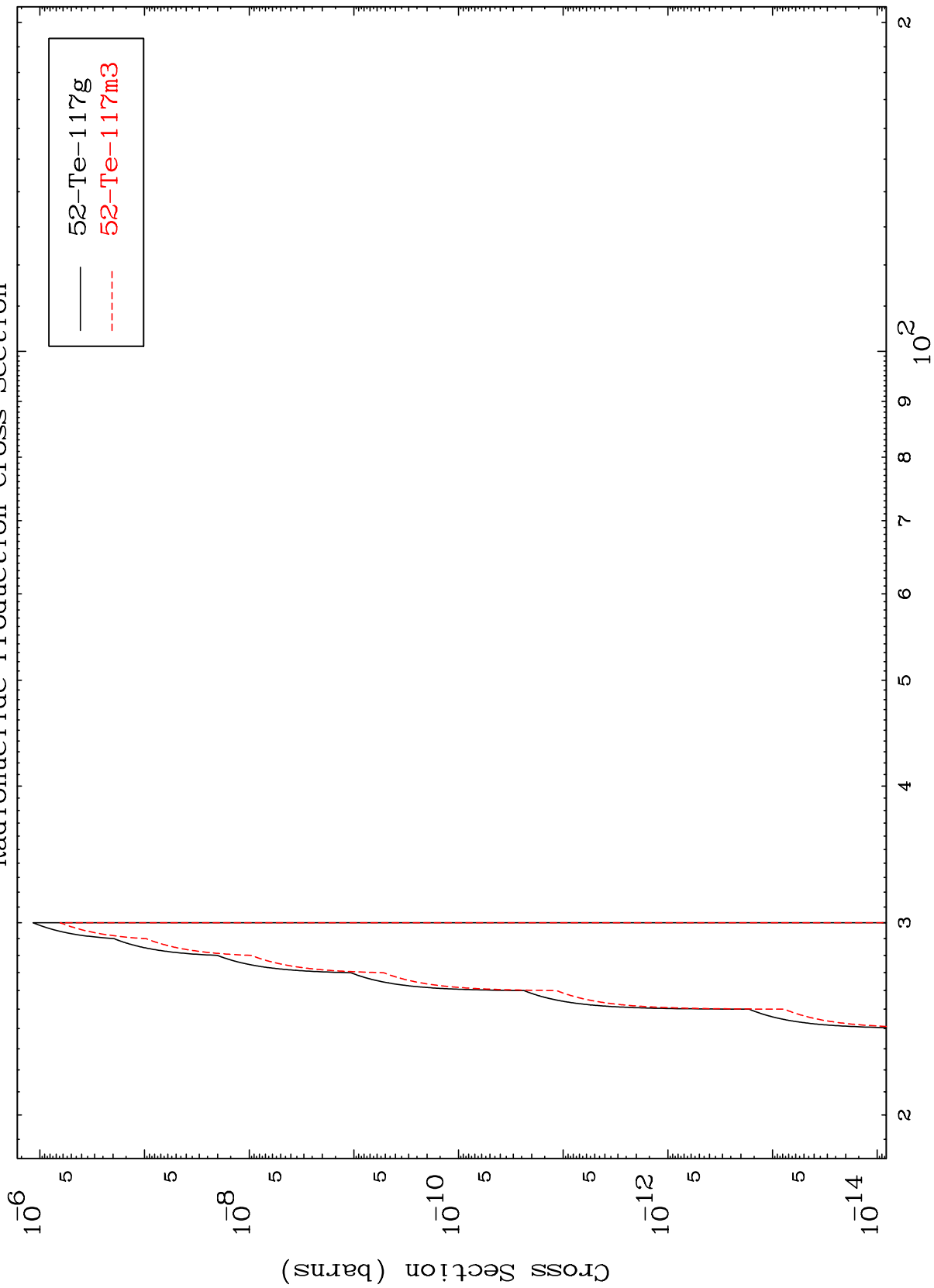
54-Xe-123

MAT 5422

(n,3n)  $\alpha$

54-Xe-123

Radionuclide Production Cross Section

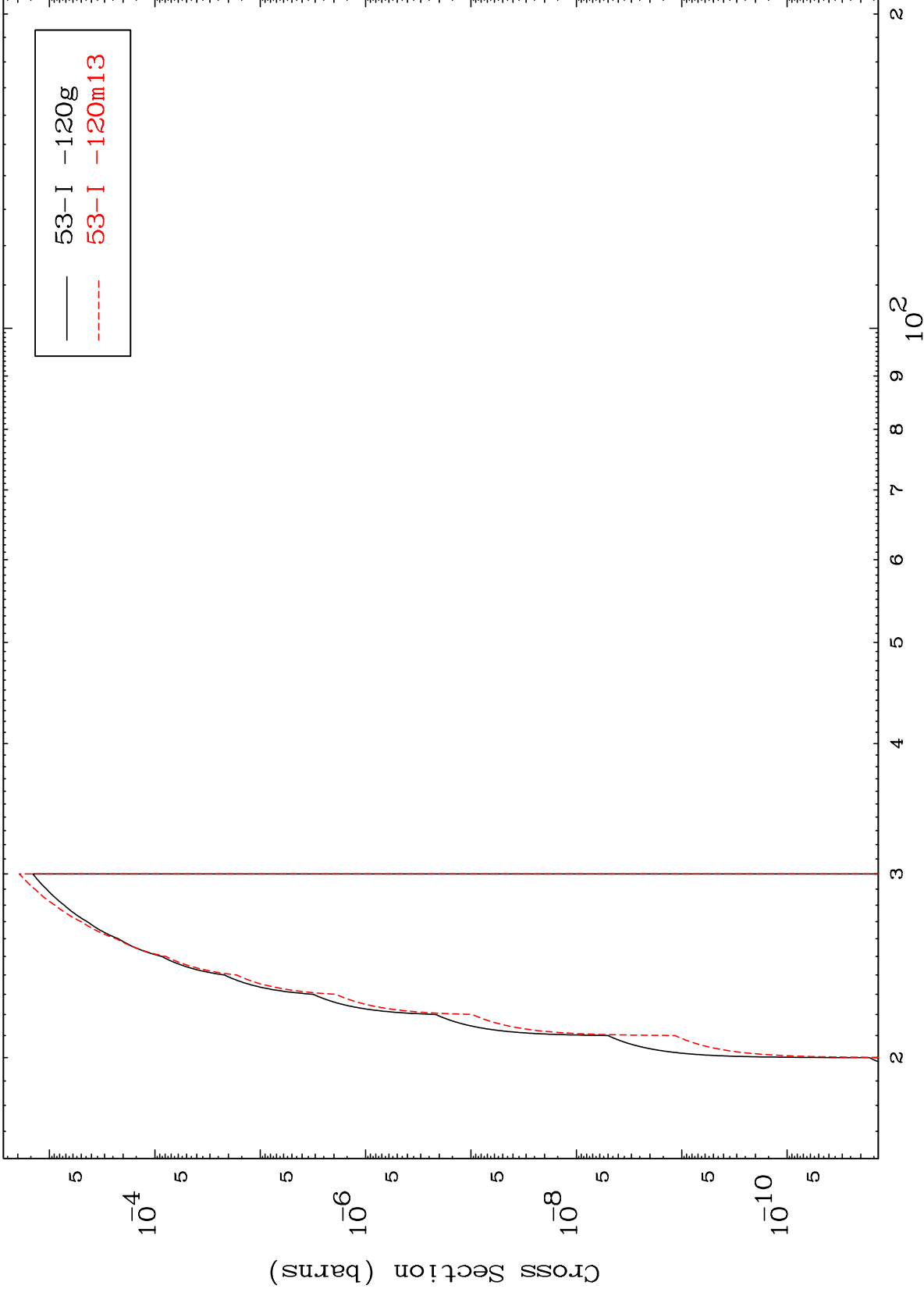


70

Incident Energy (MeV)

54-Xe-123

Radionuclide Production Cross Section



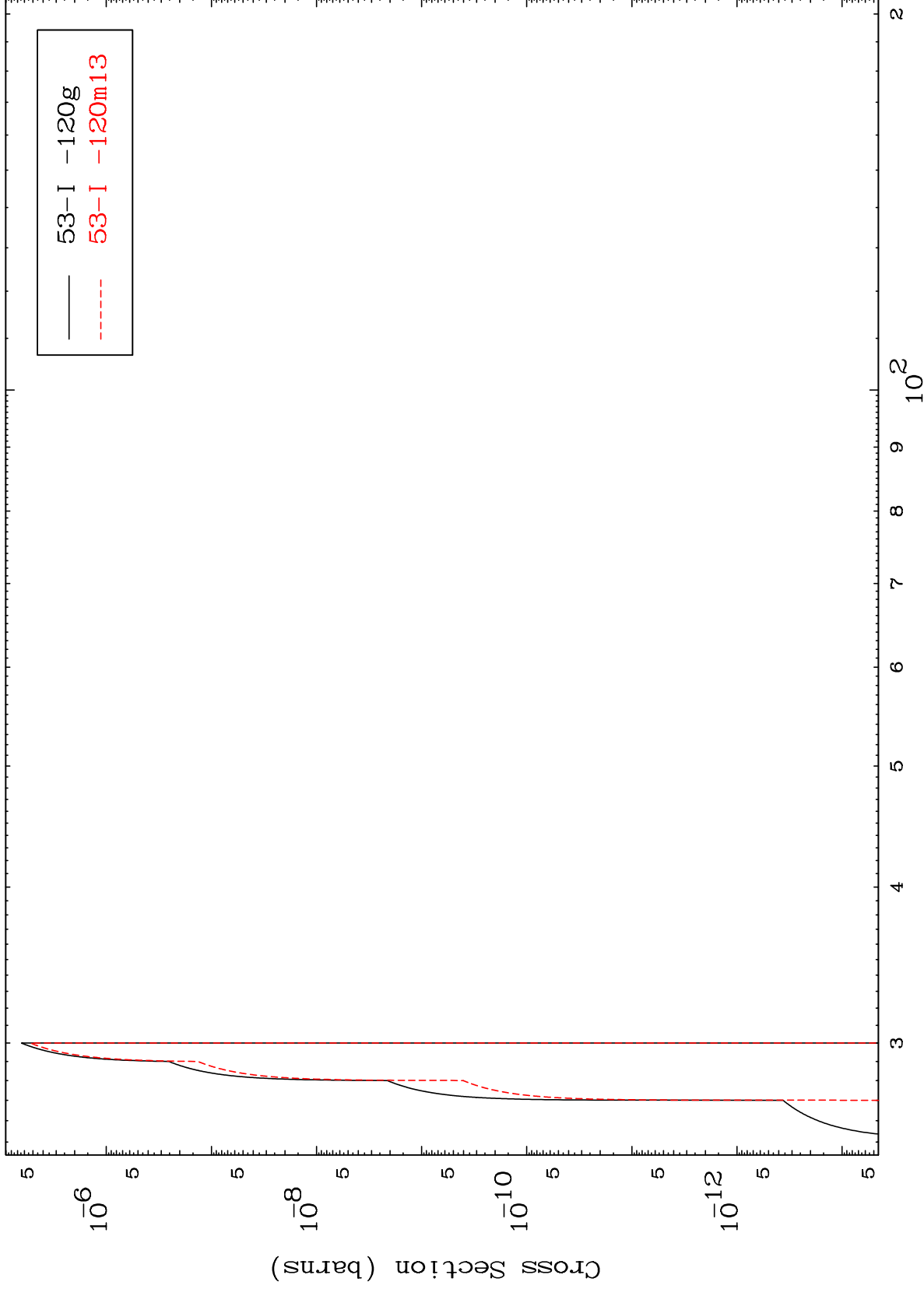
53-I -120g  
53-I -120m13

MAT 5422

(n,3n) p

54-Xe-123

Radionuclide Production Cross Section



72

Incident Energy (MeV)

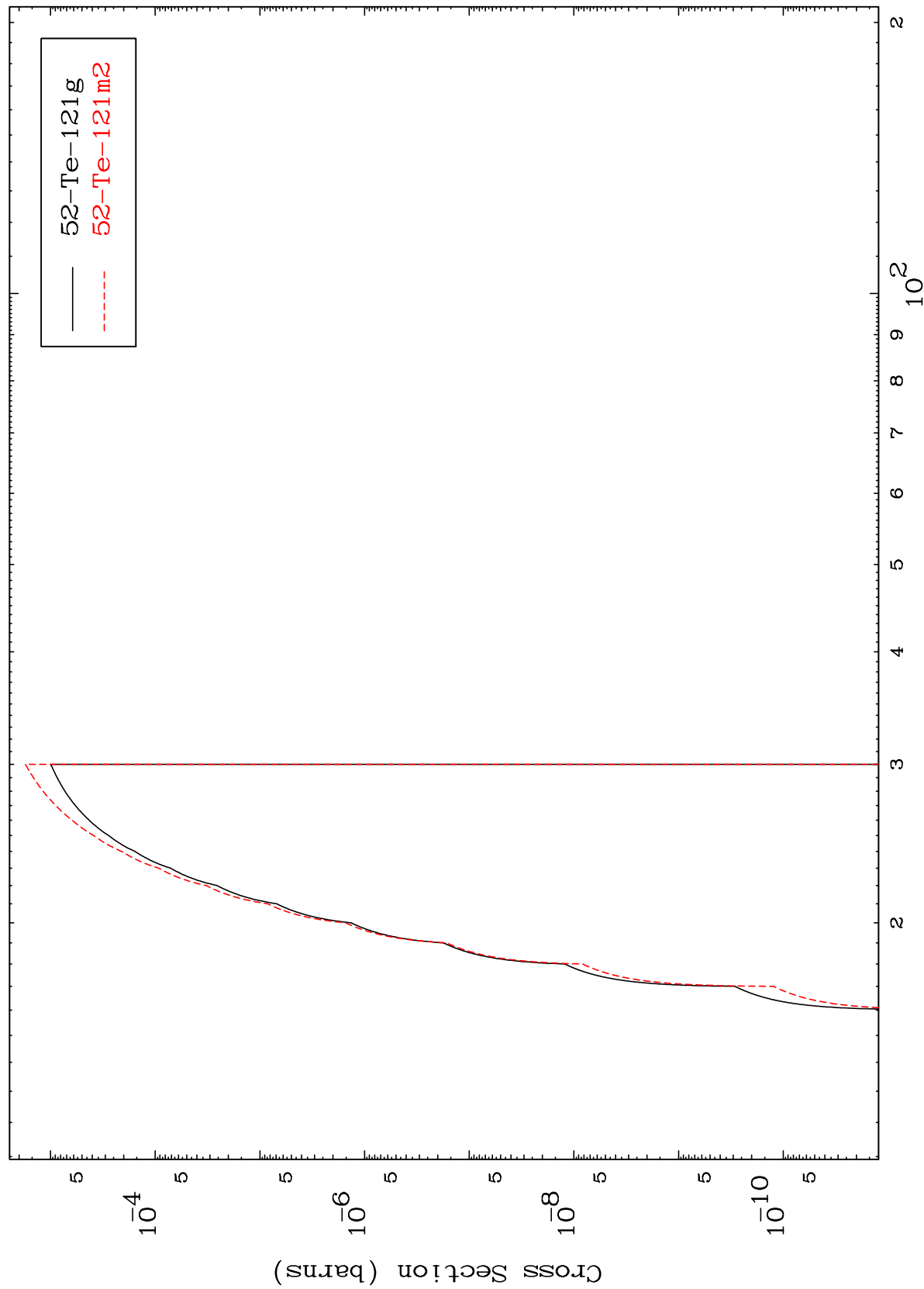
54-Xe-123

MAT 5422

(n,2n) p

54-Xe-123

Radionuclide Production Cross Section



73

Incident Energy (MeV)

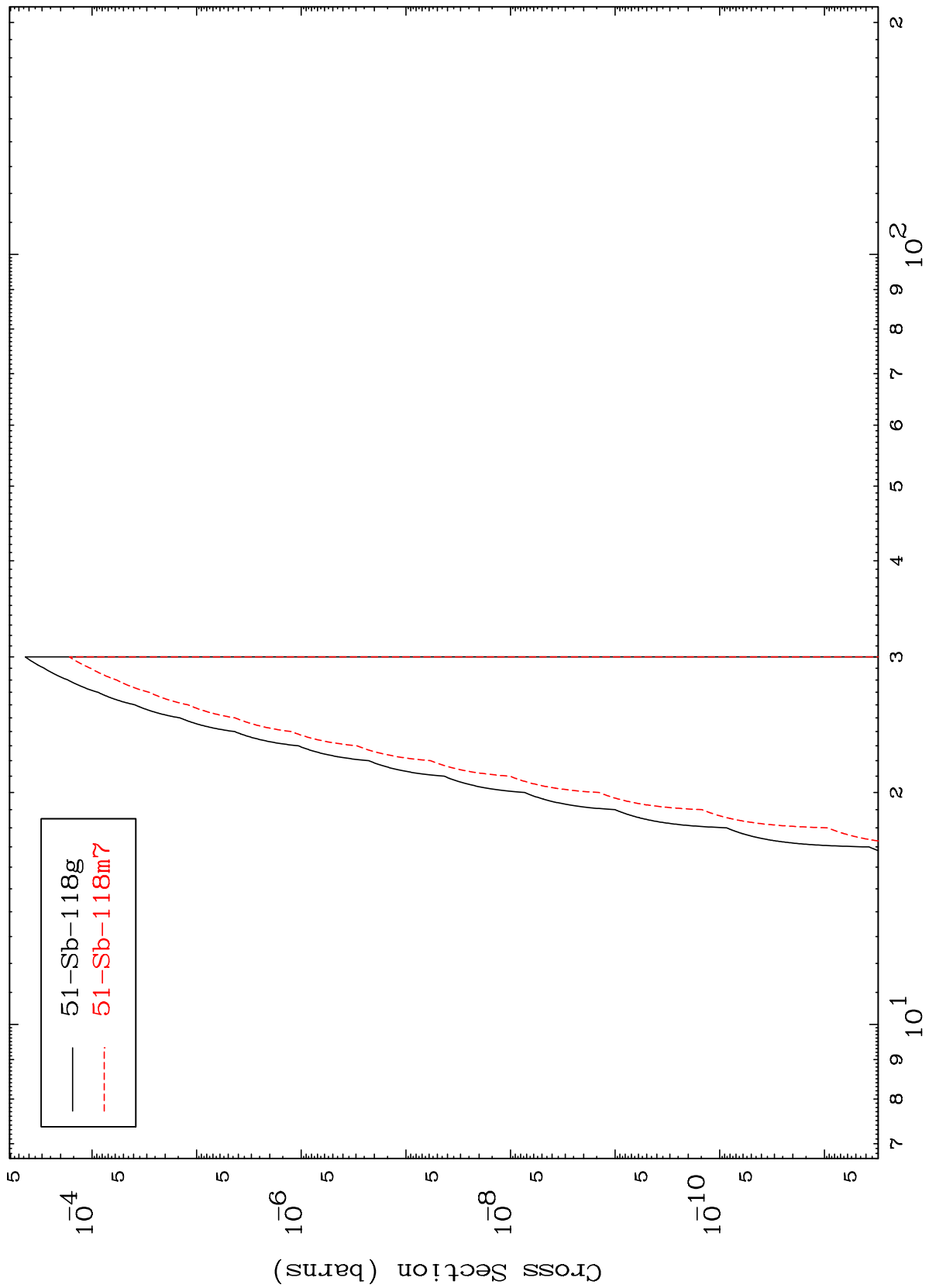
54-Xe-123

MAT 5422

(n,n') p  $\alpha$

54-Xe-123

Radionuclide Production Cross Section



51-Sb-118g  
51-Sb-118m7

74

Incident Energy (MeV)

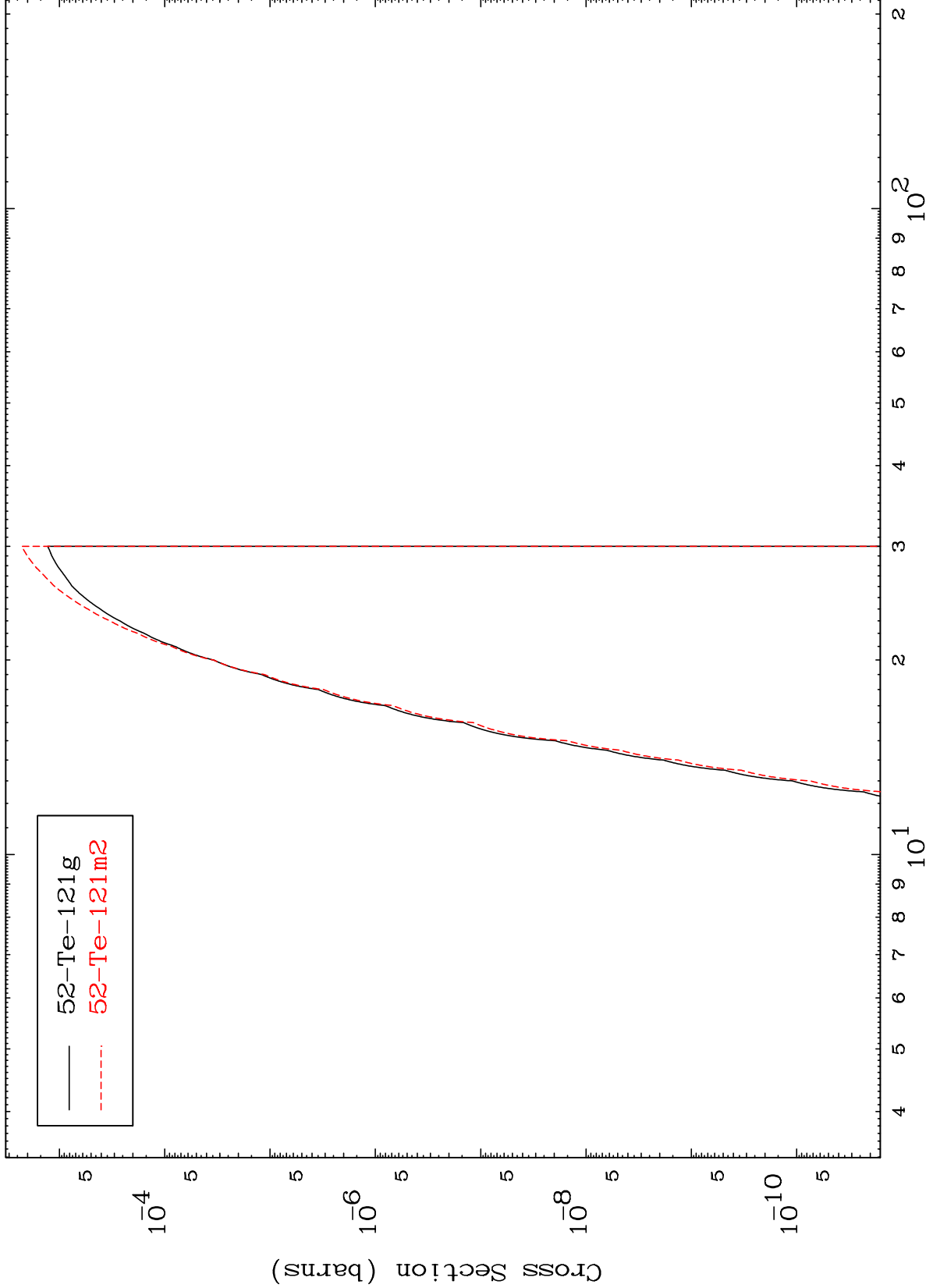
54-Xe-123

MAT 5422

(n,He-3)

54-Xe-123

Radionuclide Production Cross Section



75

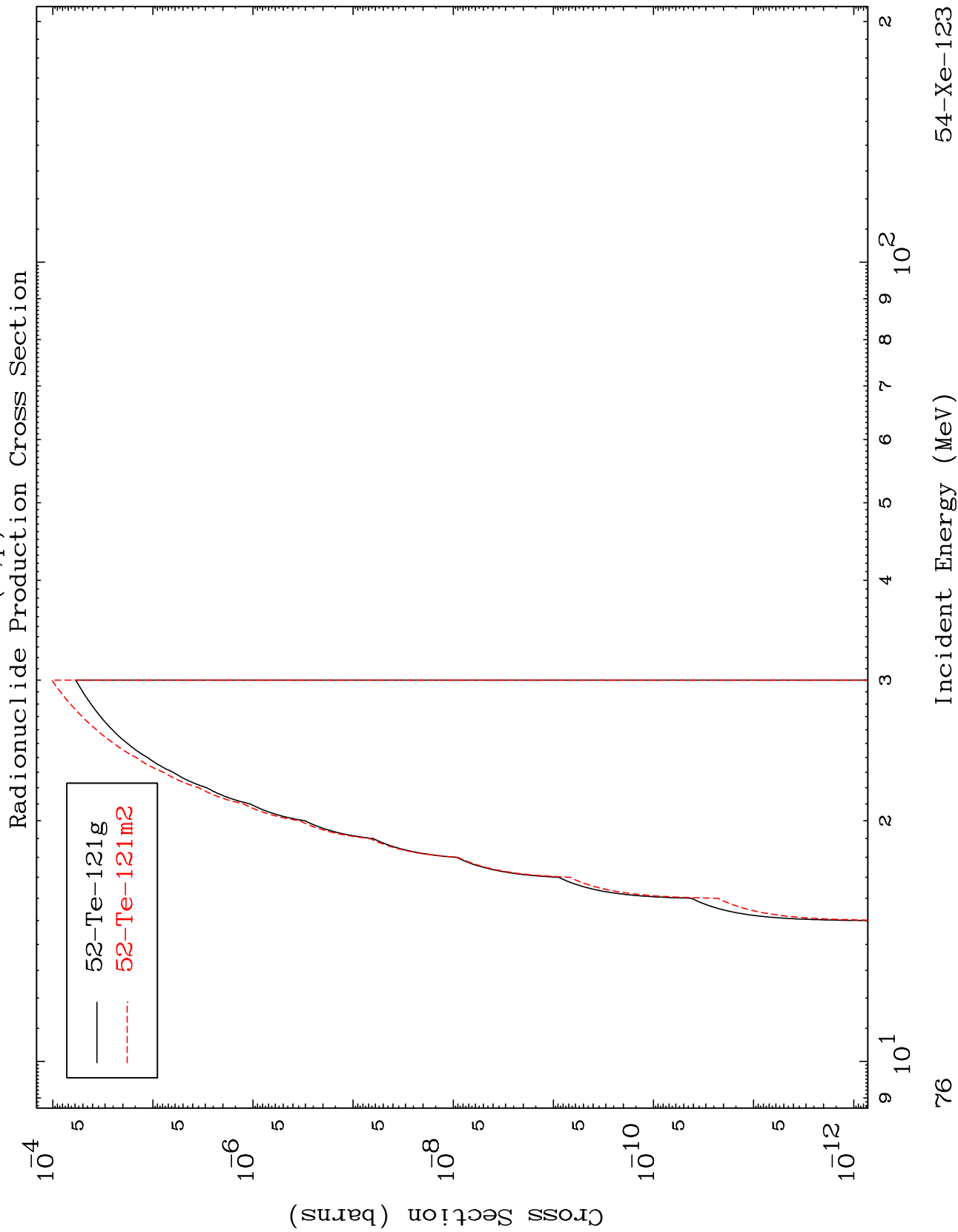
Incident Energy (MeV)

54-Xe-123

MAT 5422

(n,p) d

54-Xe-123



76

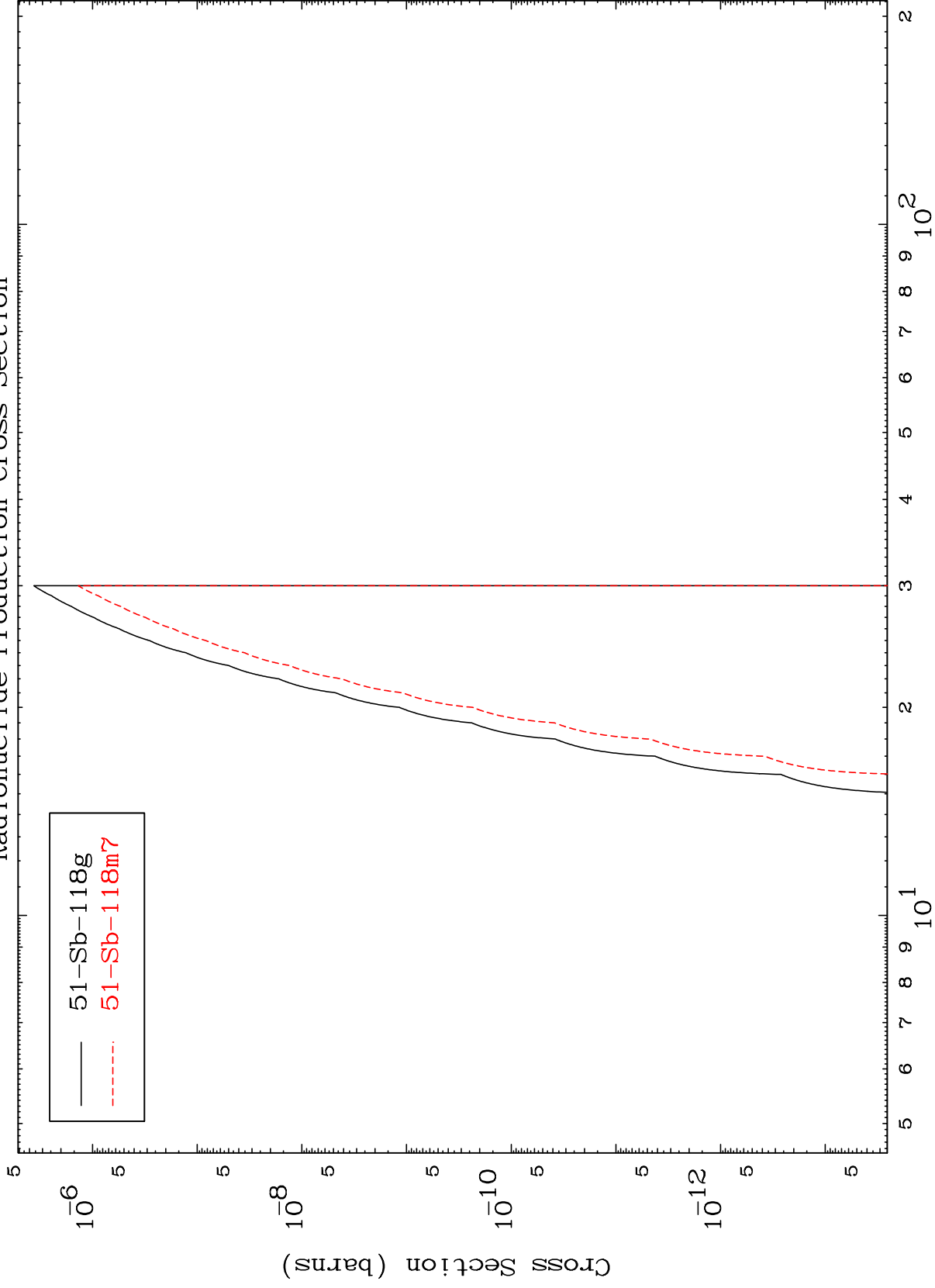
54-Xe-123

MAT 5422

(n,d)  $\alpha$

54-Xe-123

Radionuclide Production Cross Section



77

Incident Energy (MeV)

54-Xe-123