

Program EVALPLOT  
(Version 2021-1)

by

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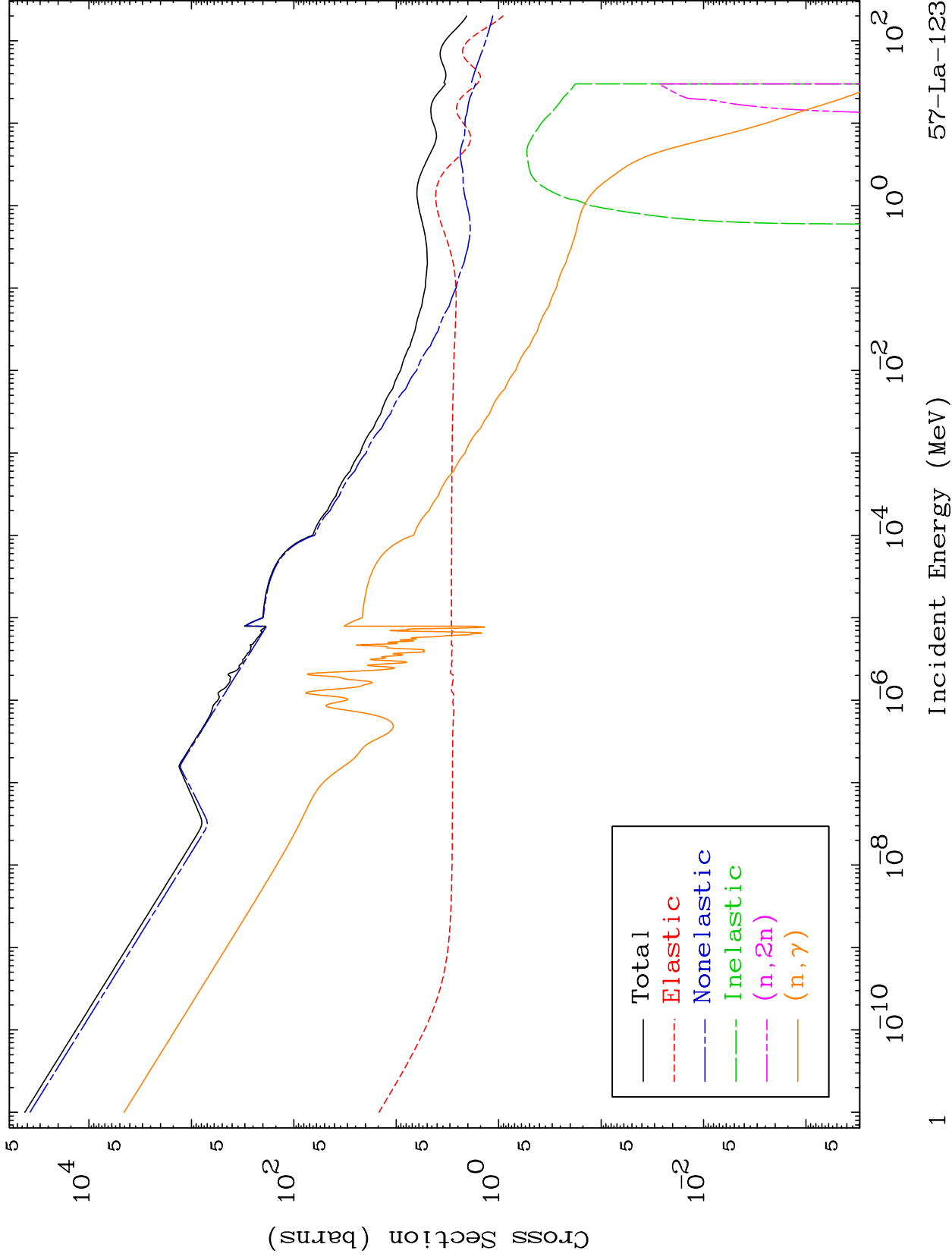
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Press Mouse Button to Start

MAT 5680

Neutron Major  
293 Kelvin Cross Sections

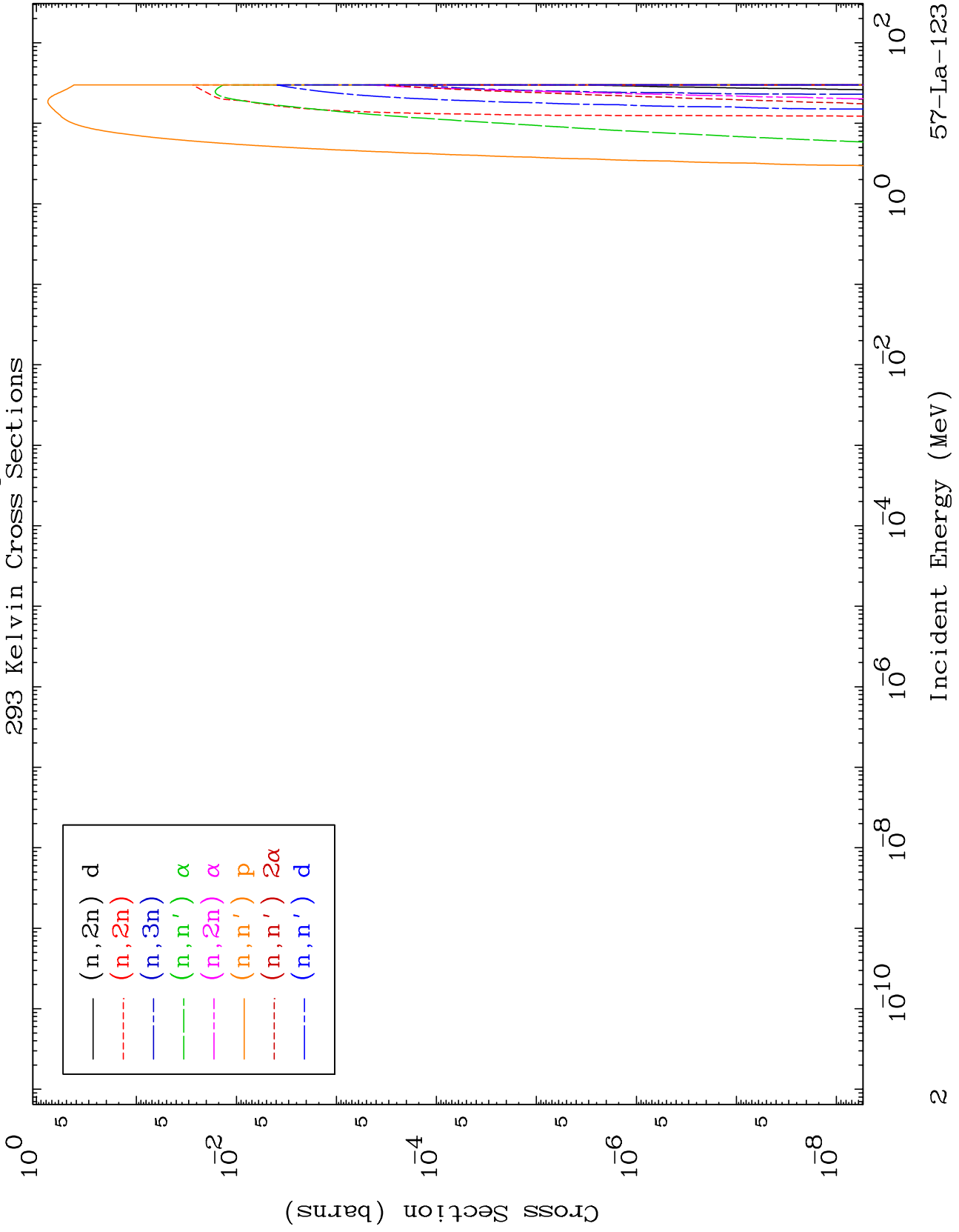
57-La-123



MAT 5680

Neutron Absorption  
293 Kelvin Cross Sections

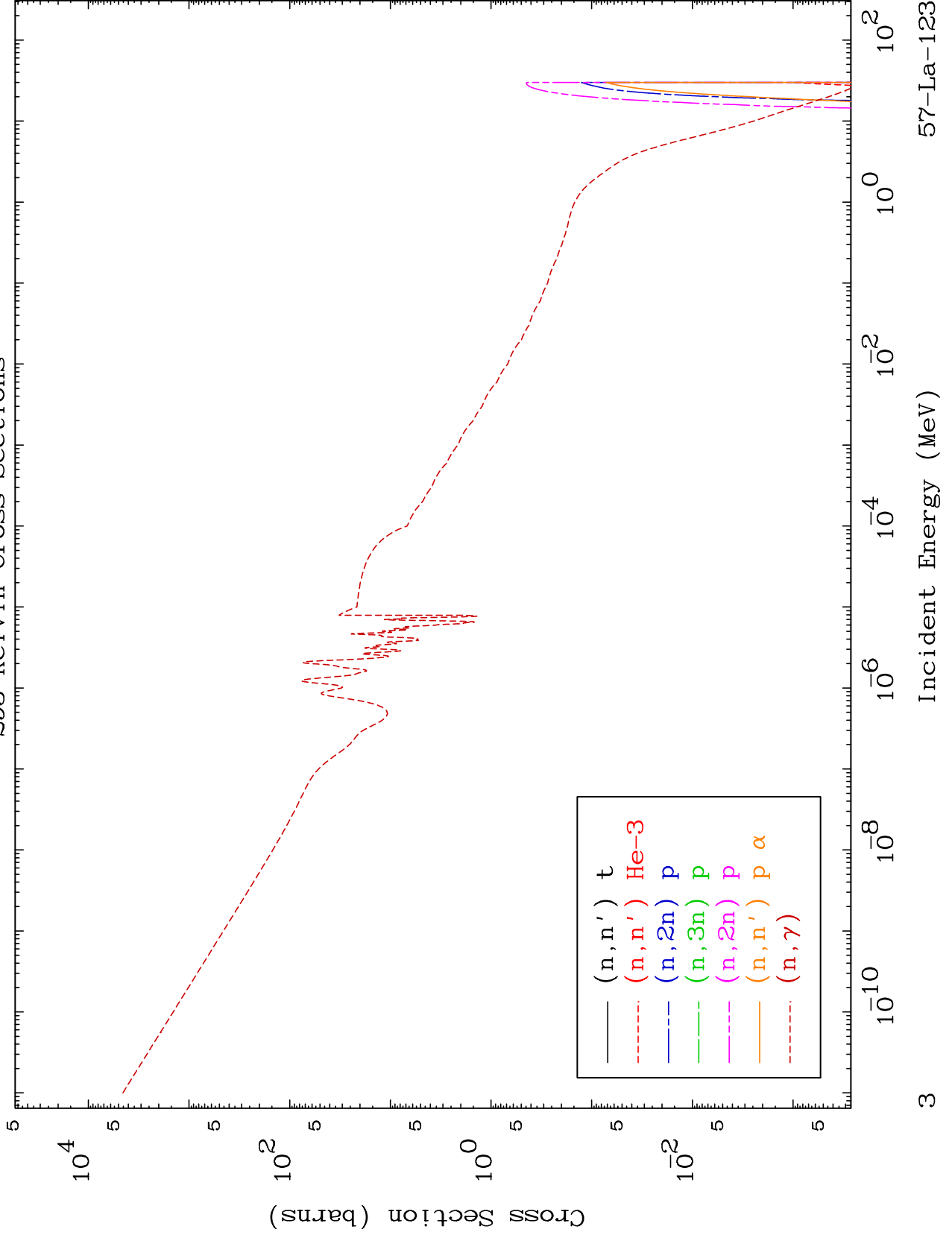
57-La-123



MAT 5680

Neutron Absorption  
293 Kelvin Cross Sections

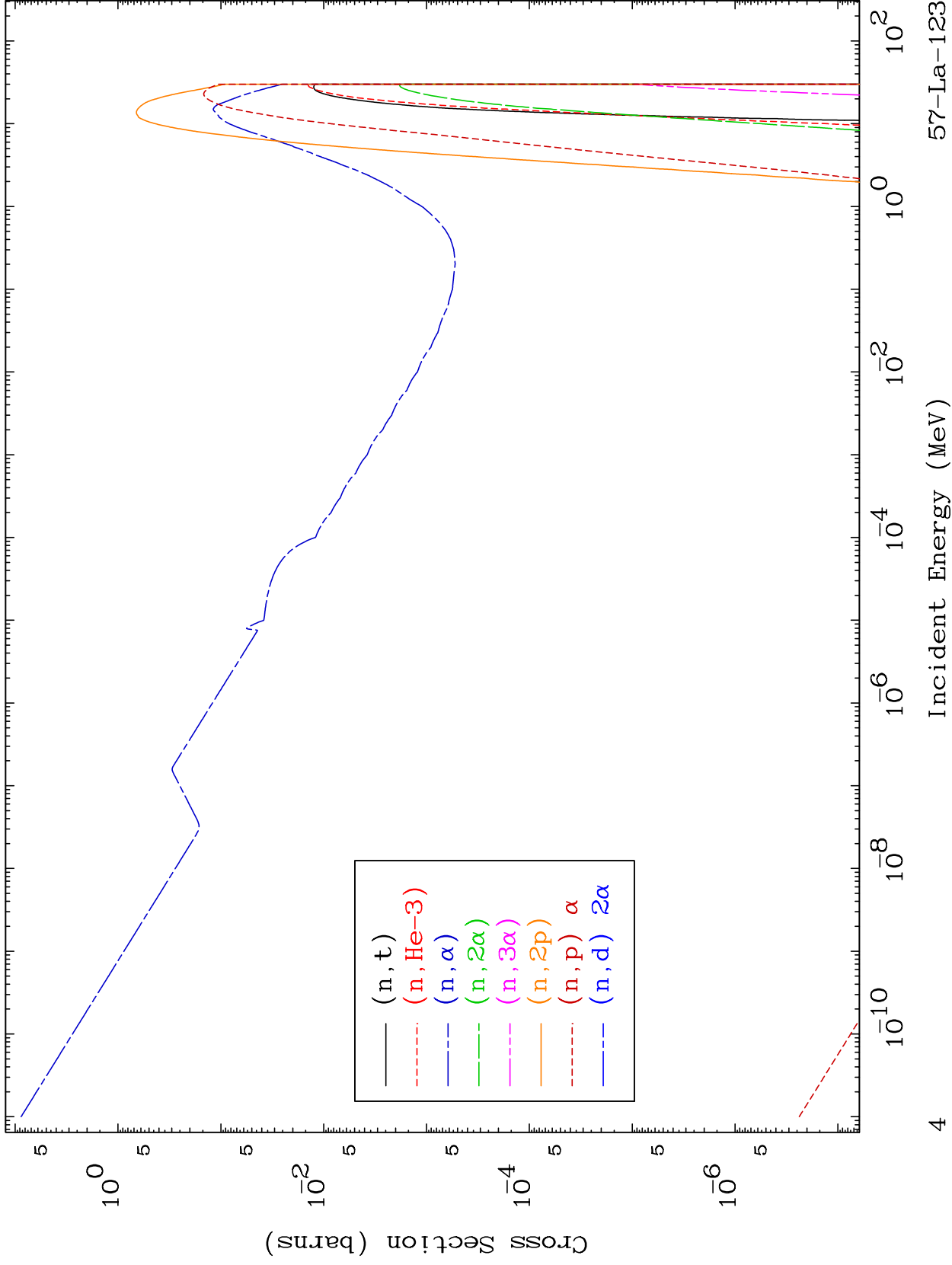
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MAT 5680

Neutron Absorption  
293 Kelvin Cross Sections

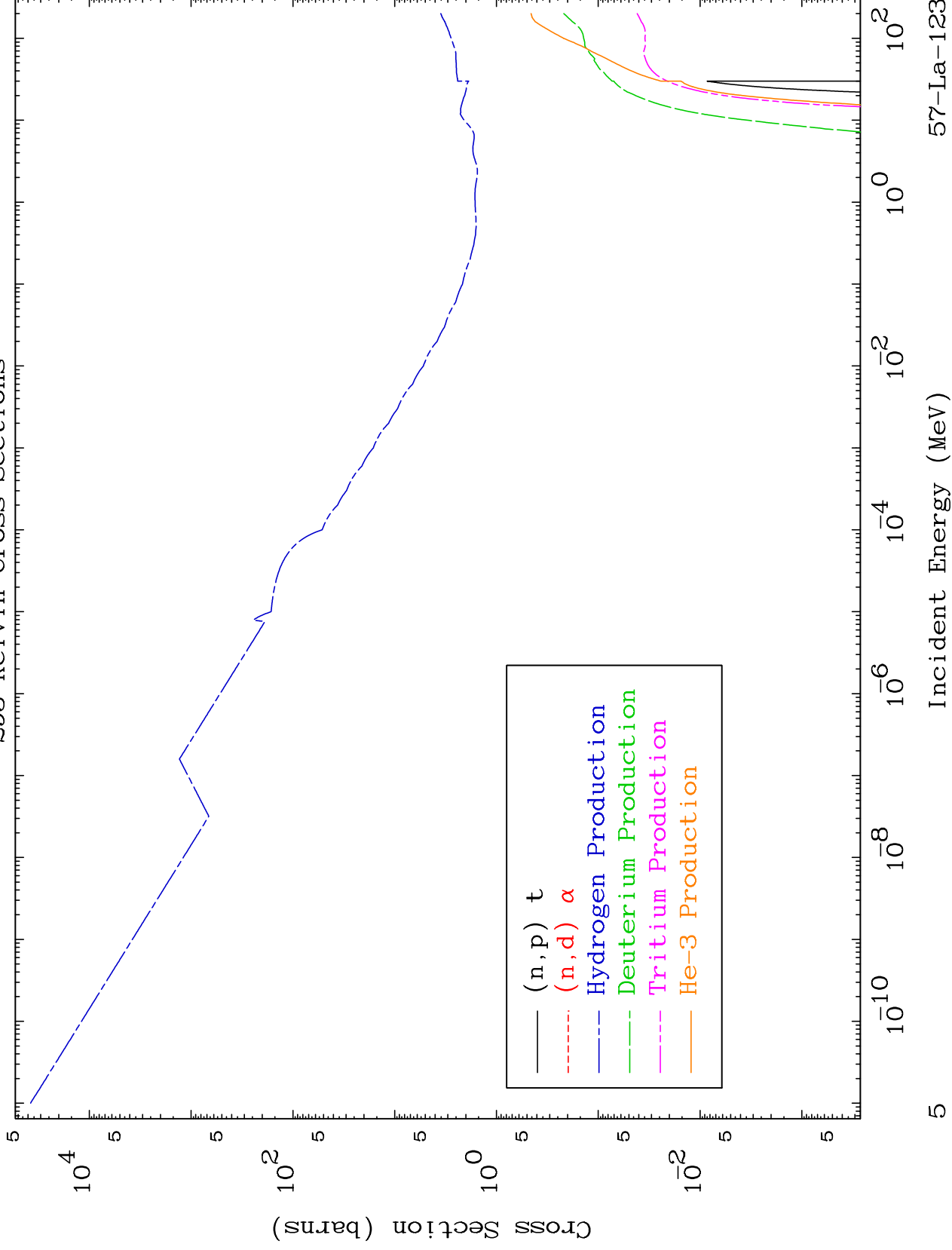
57-La-123



MAT 5680

Neutron Absorption  
293 Kelvin Cross Sections

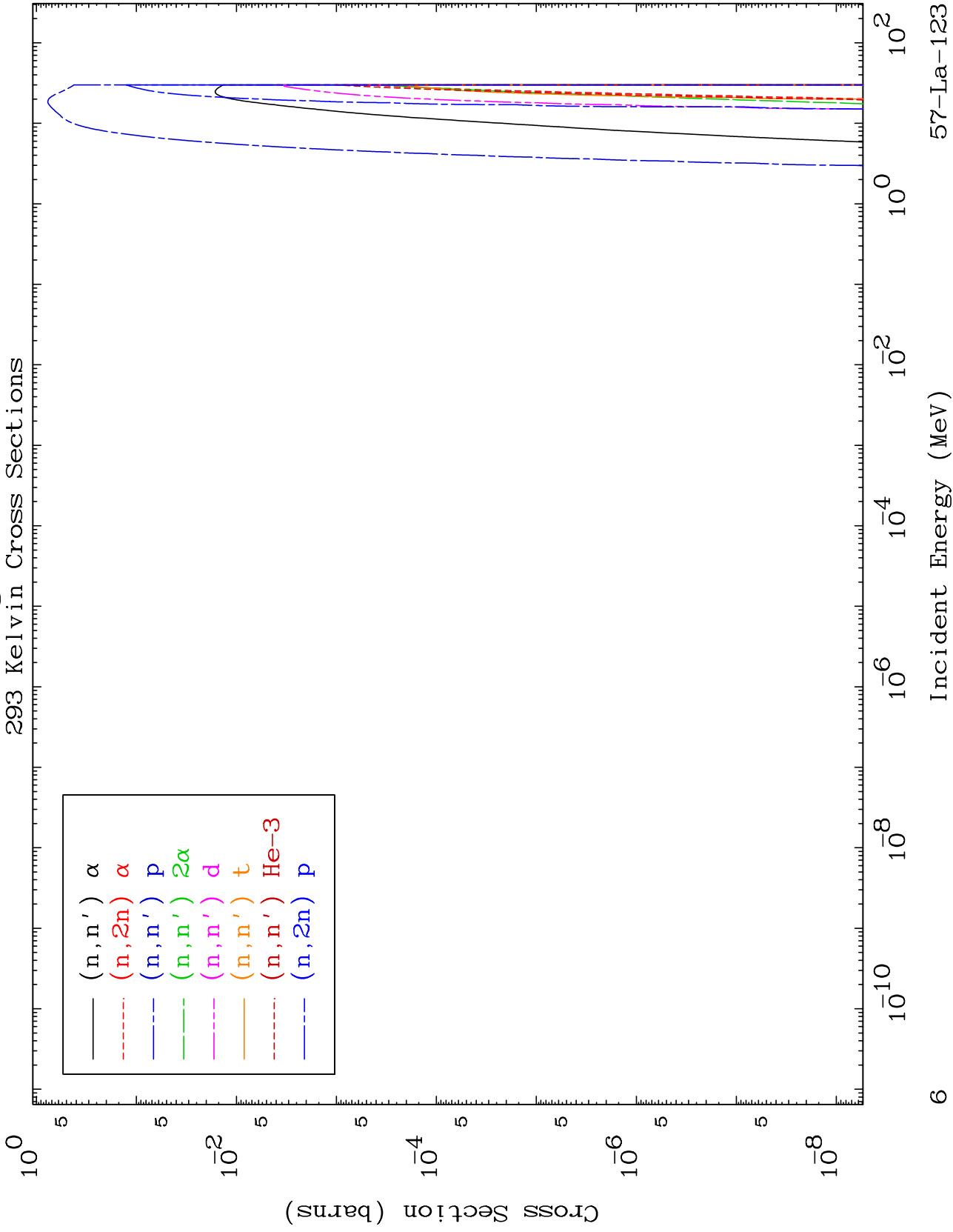
57-La-123



MAT 5680

Charged Particle  
293 Kelvin Cross Sections

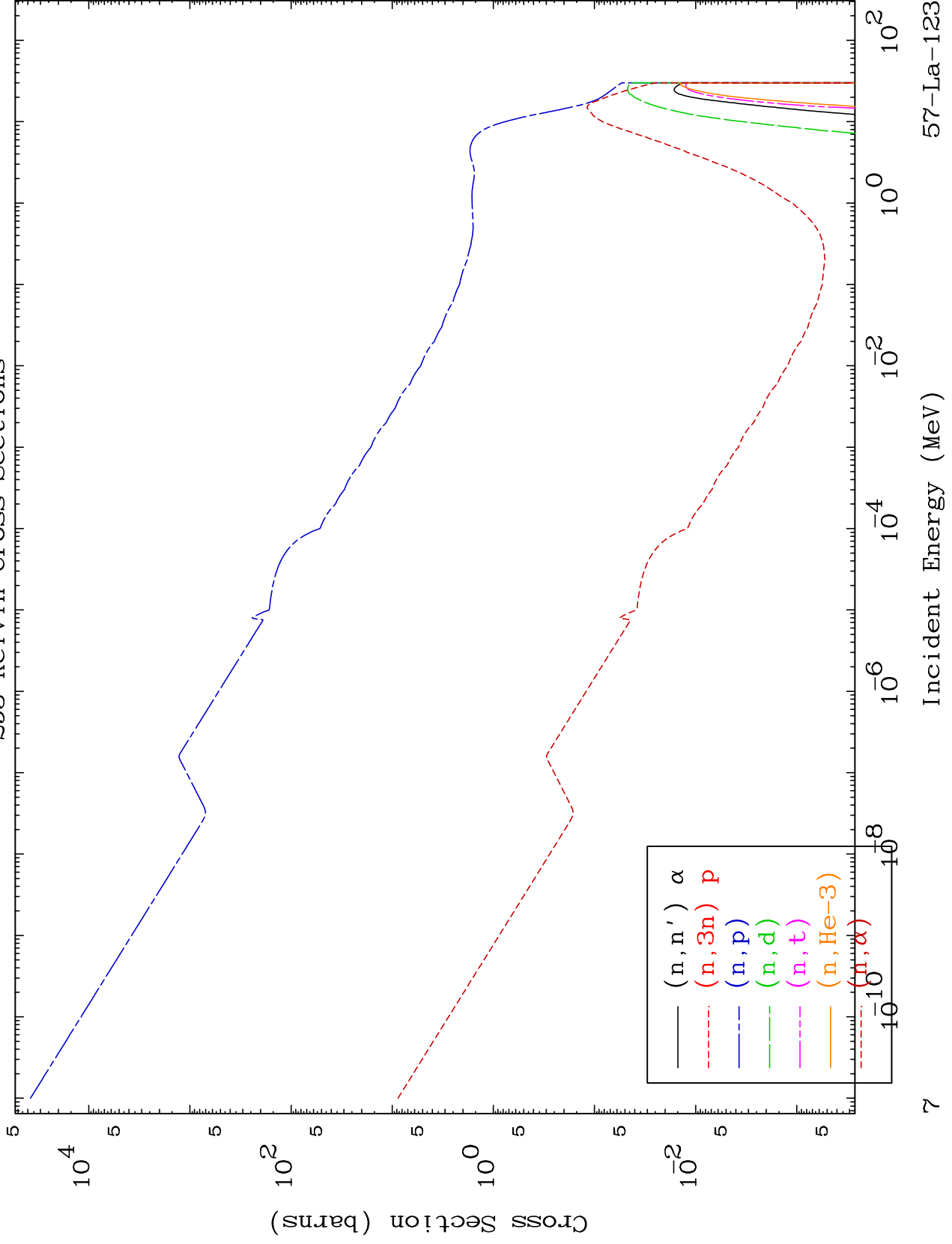
57-La-123



MAT 5680

Charged Particle  
293 Kelvin Cross Sections

57-La-123

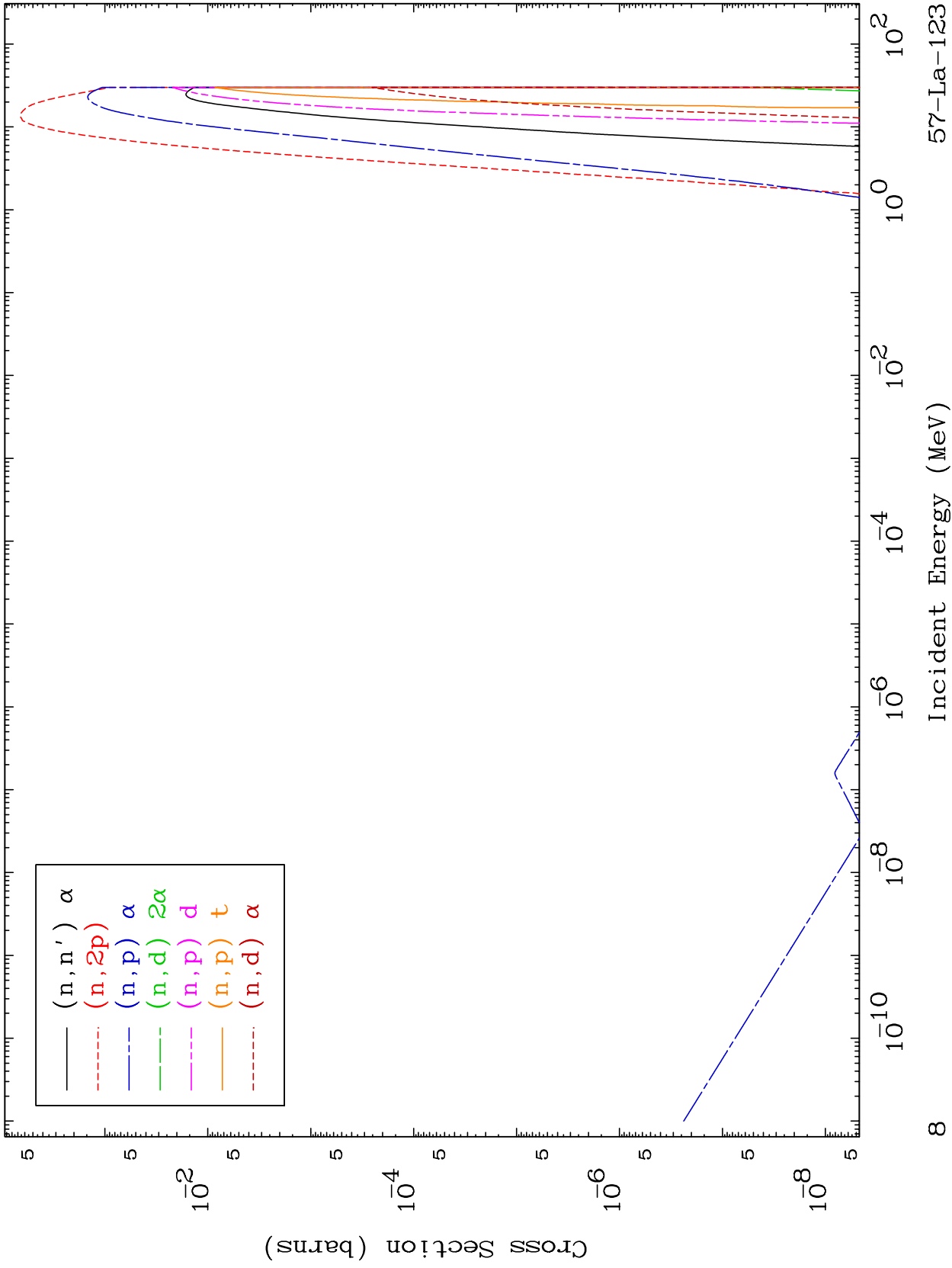




MAT 5680

Charged Particle  
293 Kelvin Cross Sections

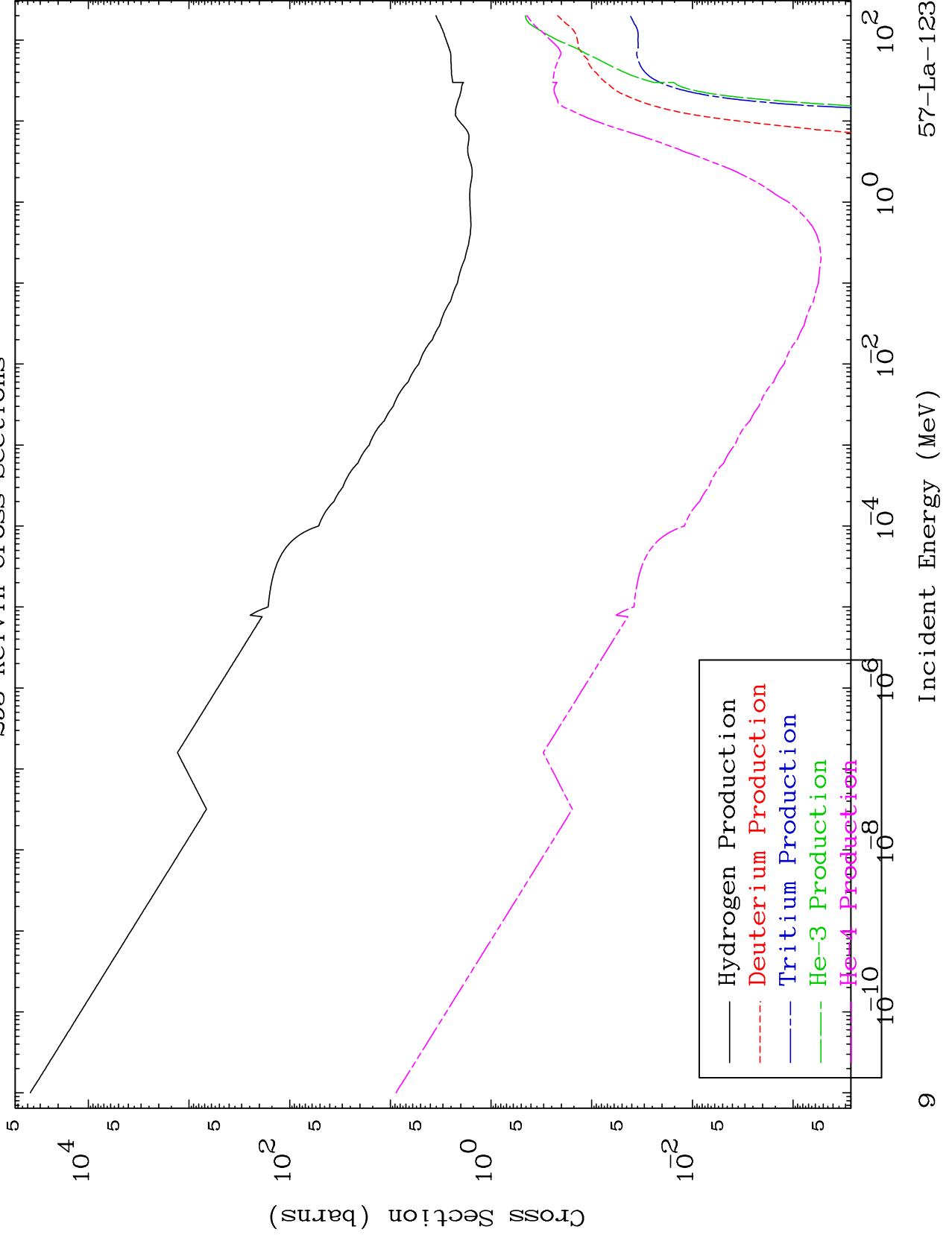
57-La-123



MAT 5680

Particle Production  
293 Kelvin Cross Sections

57-La-123

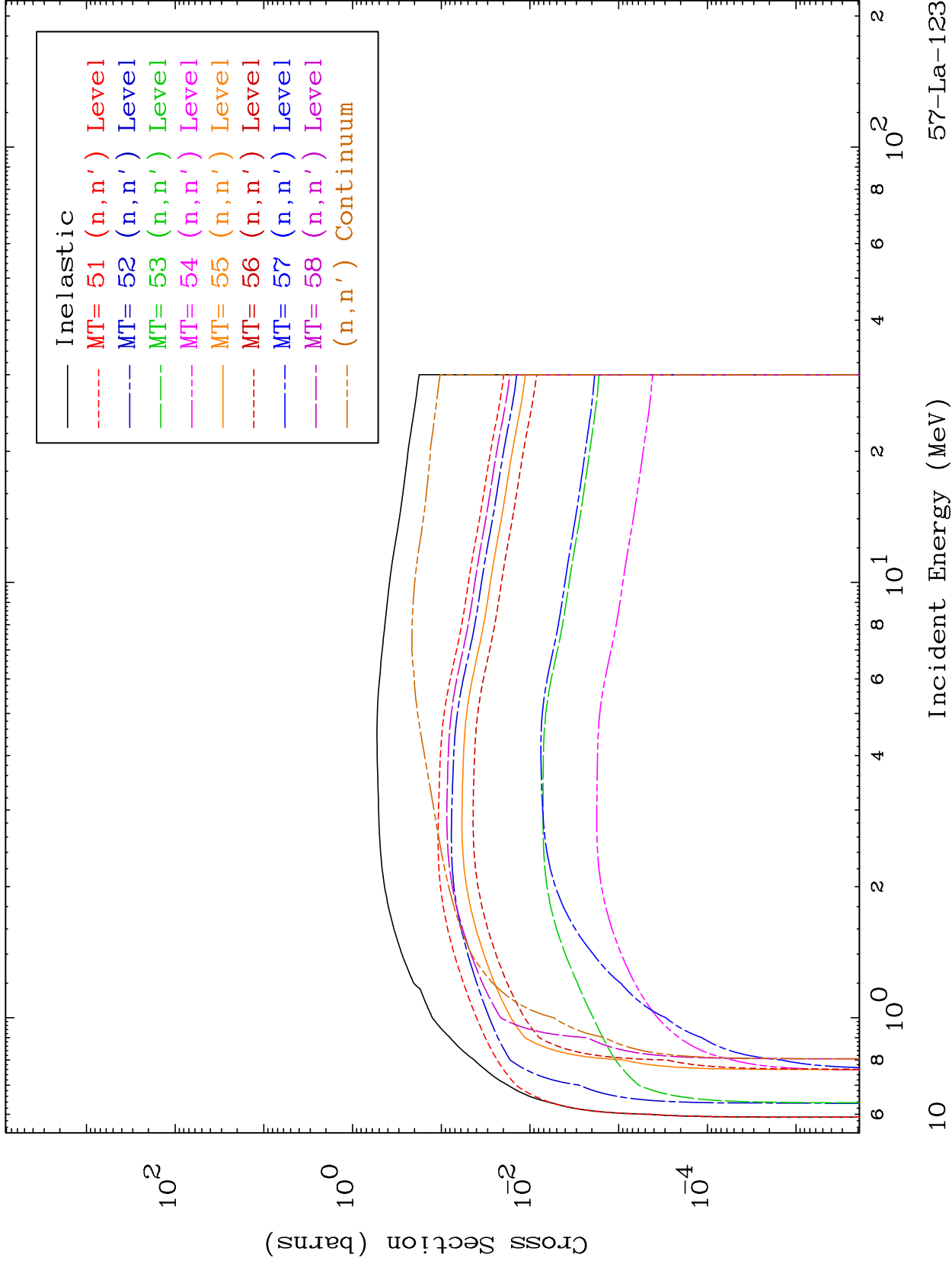


MAT 5680

(n,n') Levels

57-La-123

293 Kelvin Cross Sections



57-La-123

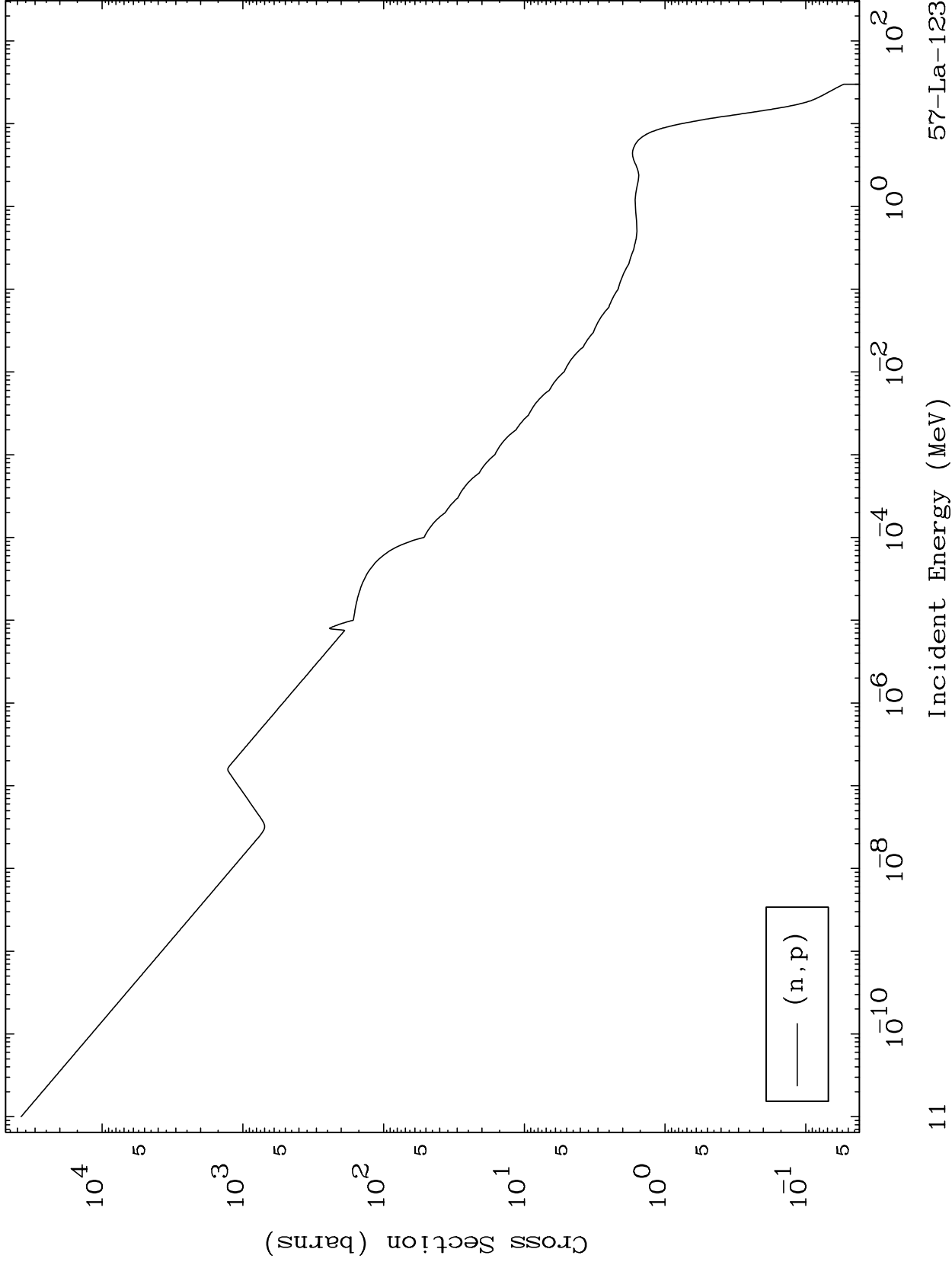
Incident Energy (MeV)

10

MAT 5680

(n,p) Levels  
293 Kelvin Cross Sections

57-La-123

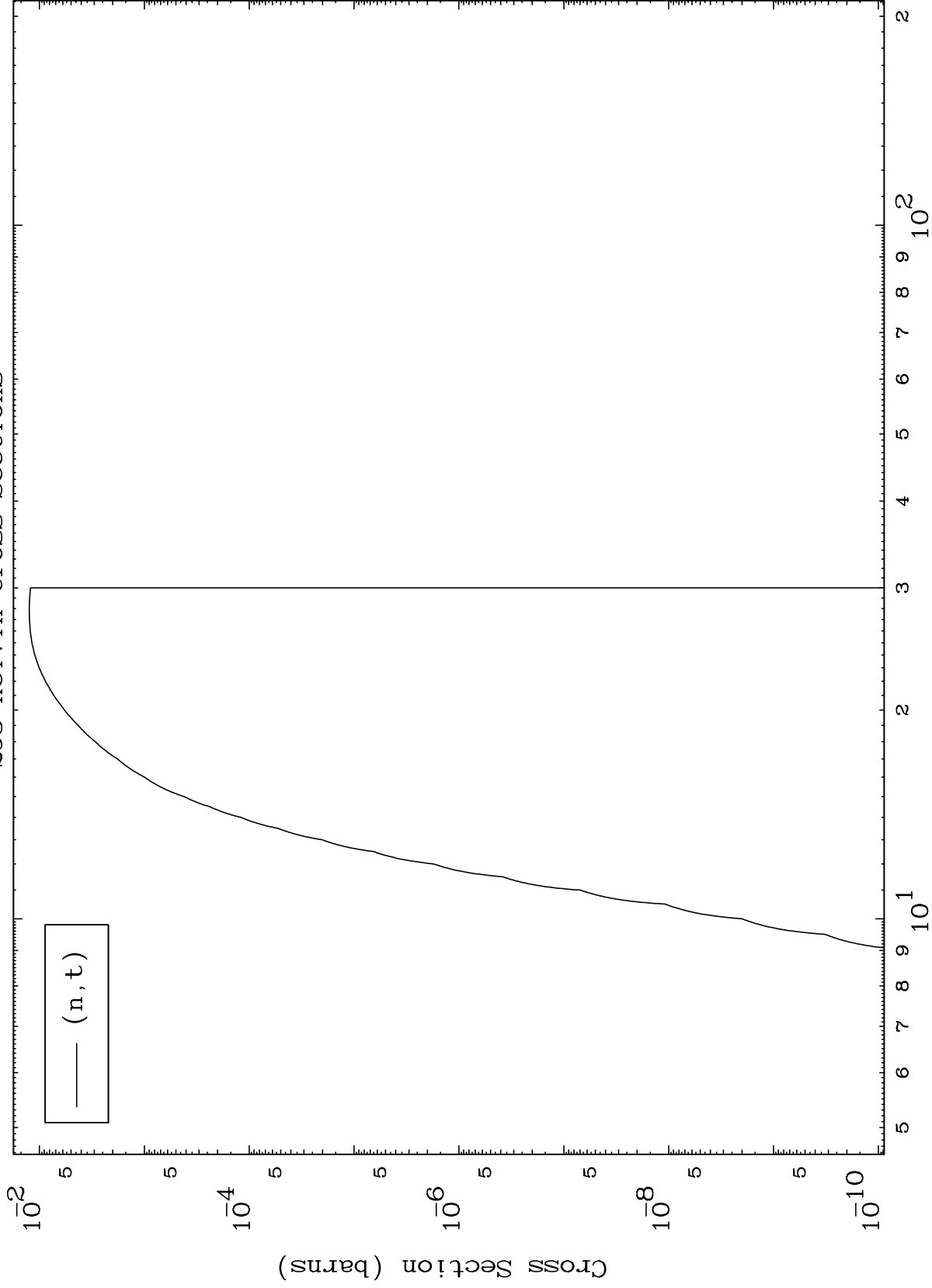




MAT 5680

(n,t) Levels  
293 Kelvin Cross Sections

57-La-123



13

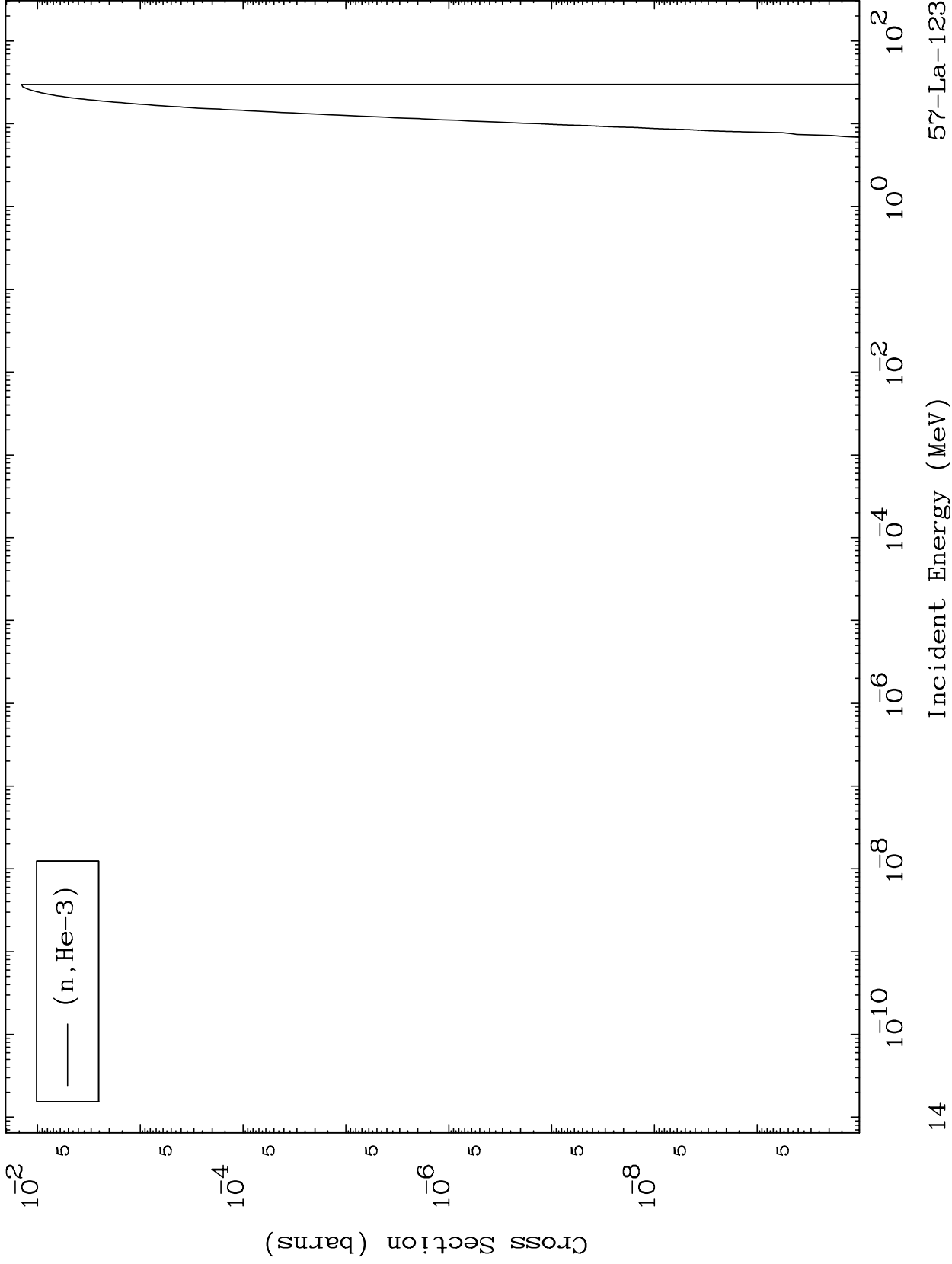
Incident Energy (MeV)

57-La-123

MAT 5680

(n,He3) Levels  
293 Kelvin Cross Sections

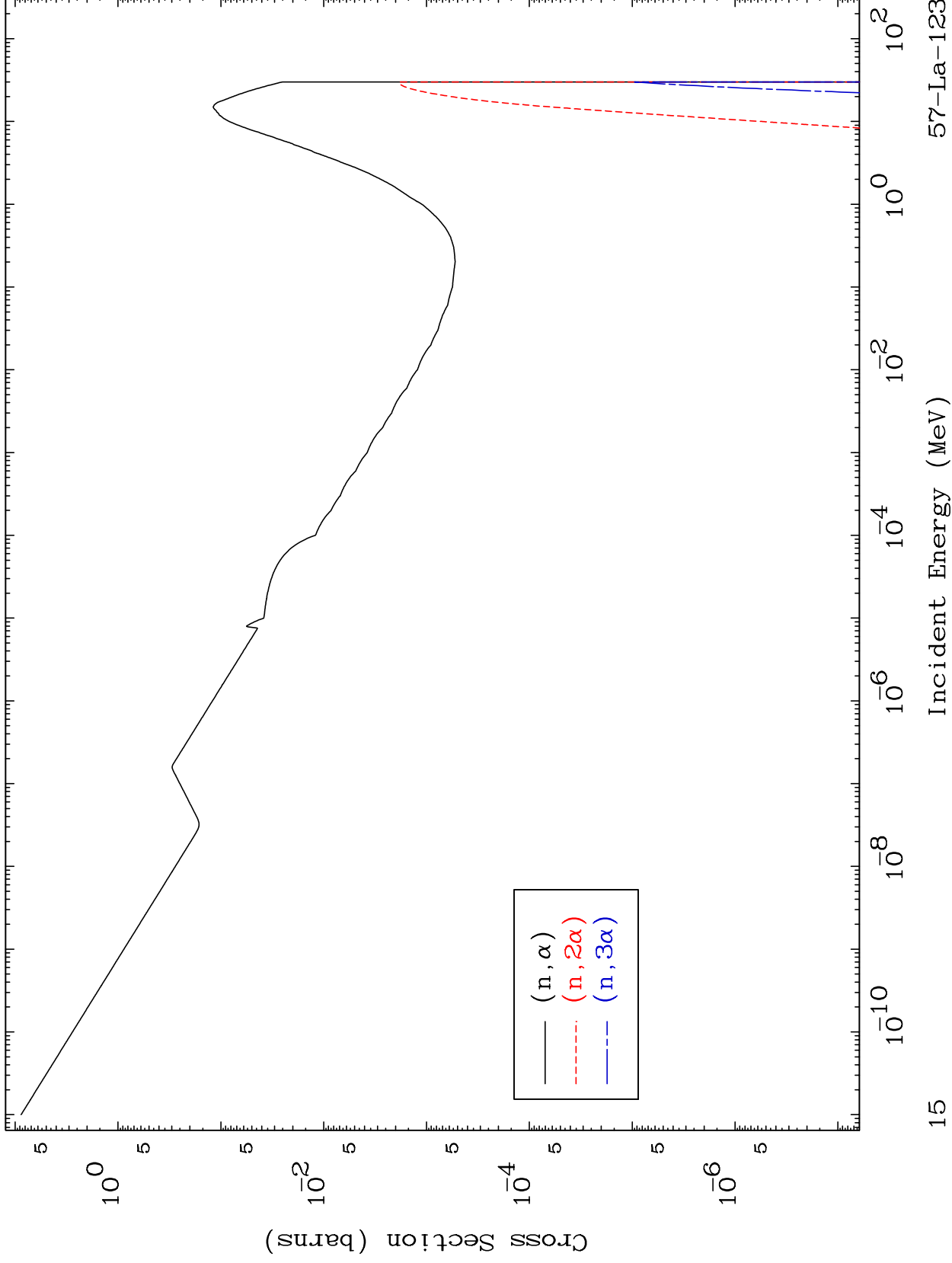
57-La-123



MAT 5680

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

57-La-123

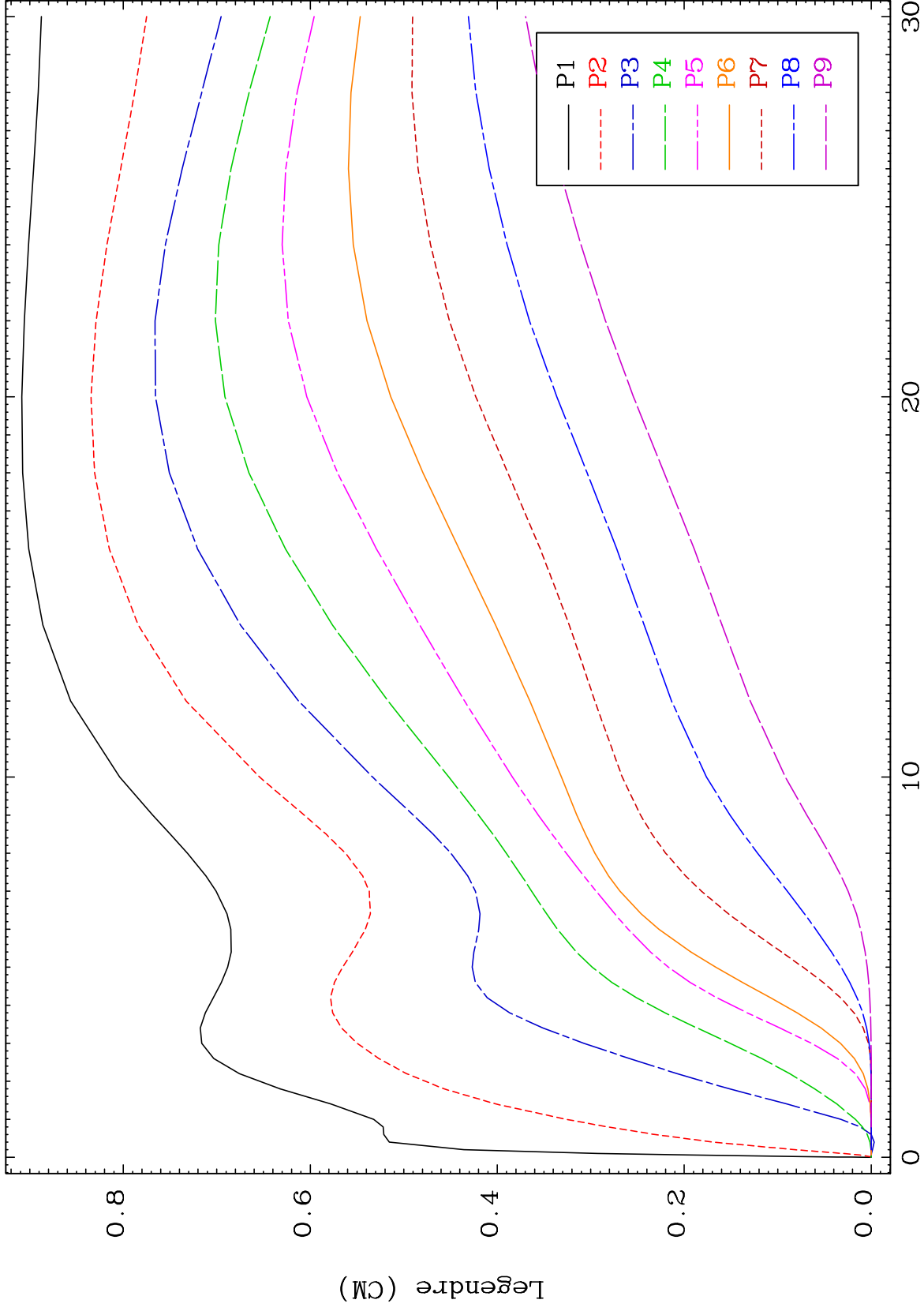




MAT 5680

Elastic Legendre Coefficients

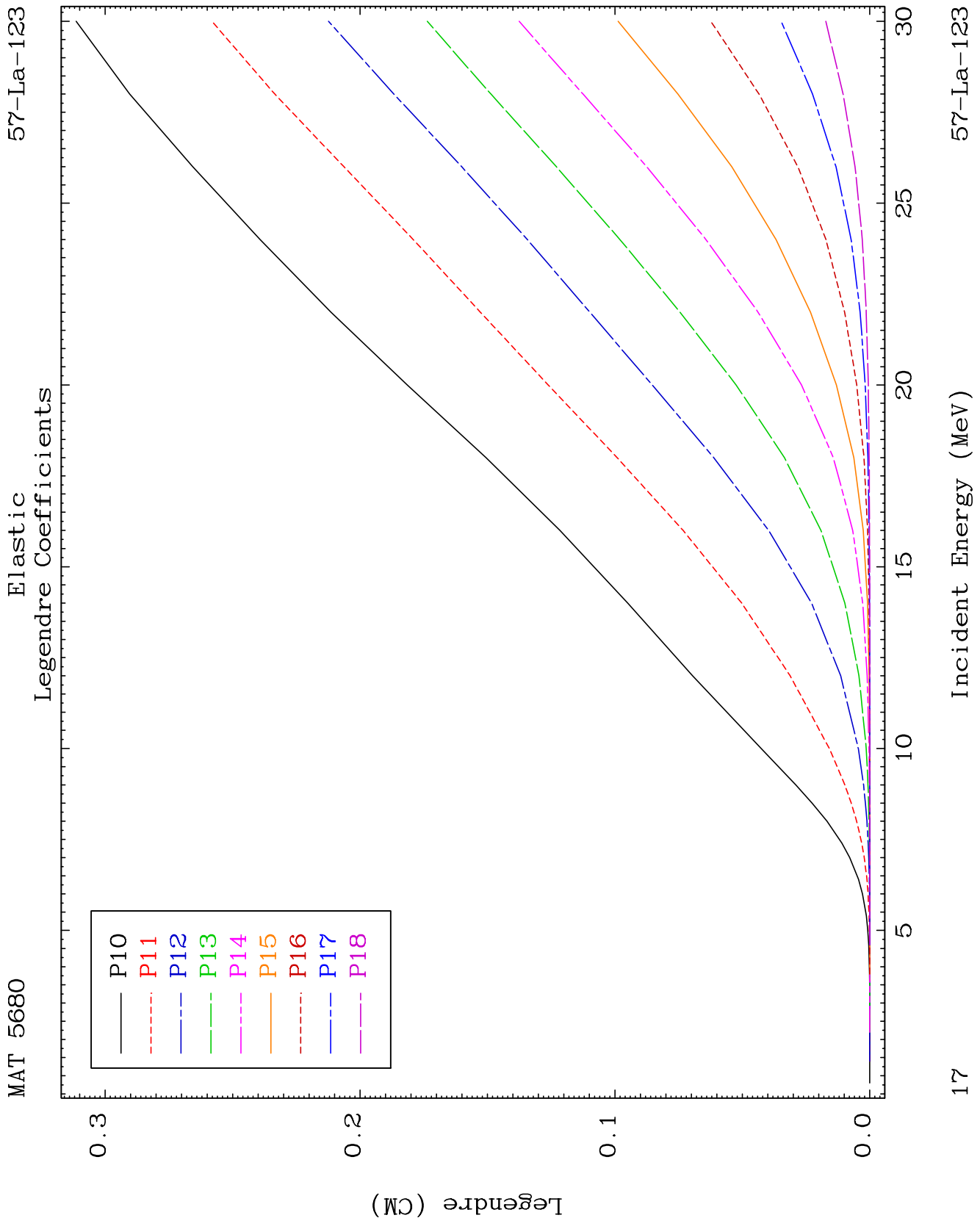
57-La-123



16

Incident Energy (MeV)

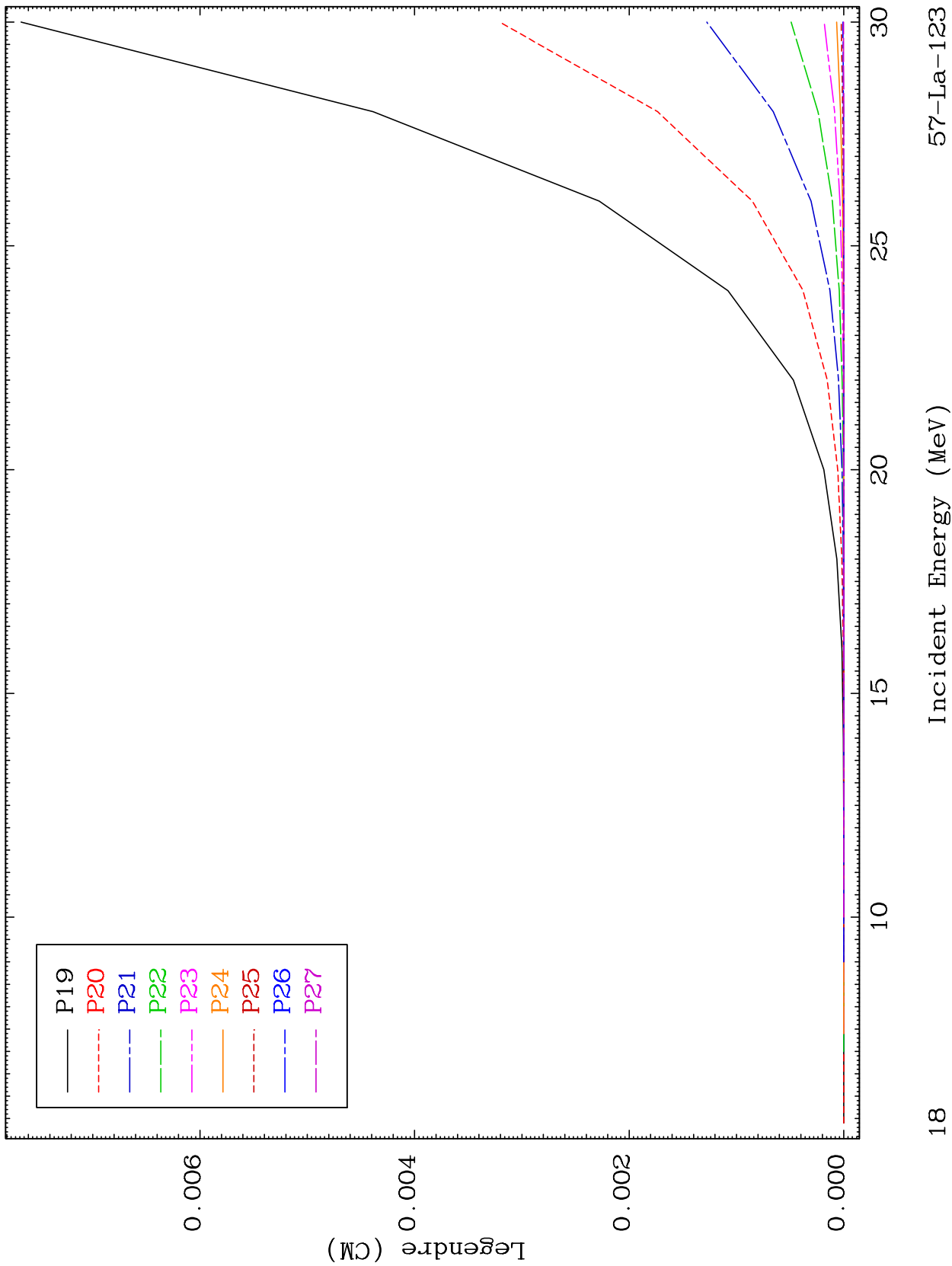
57-La-123



MAT 5680

### Elastic Legendre Coefficients

57-La-123



57-La-123

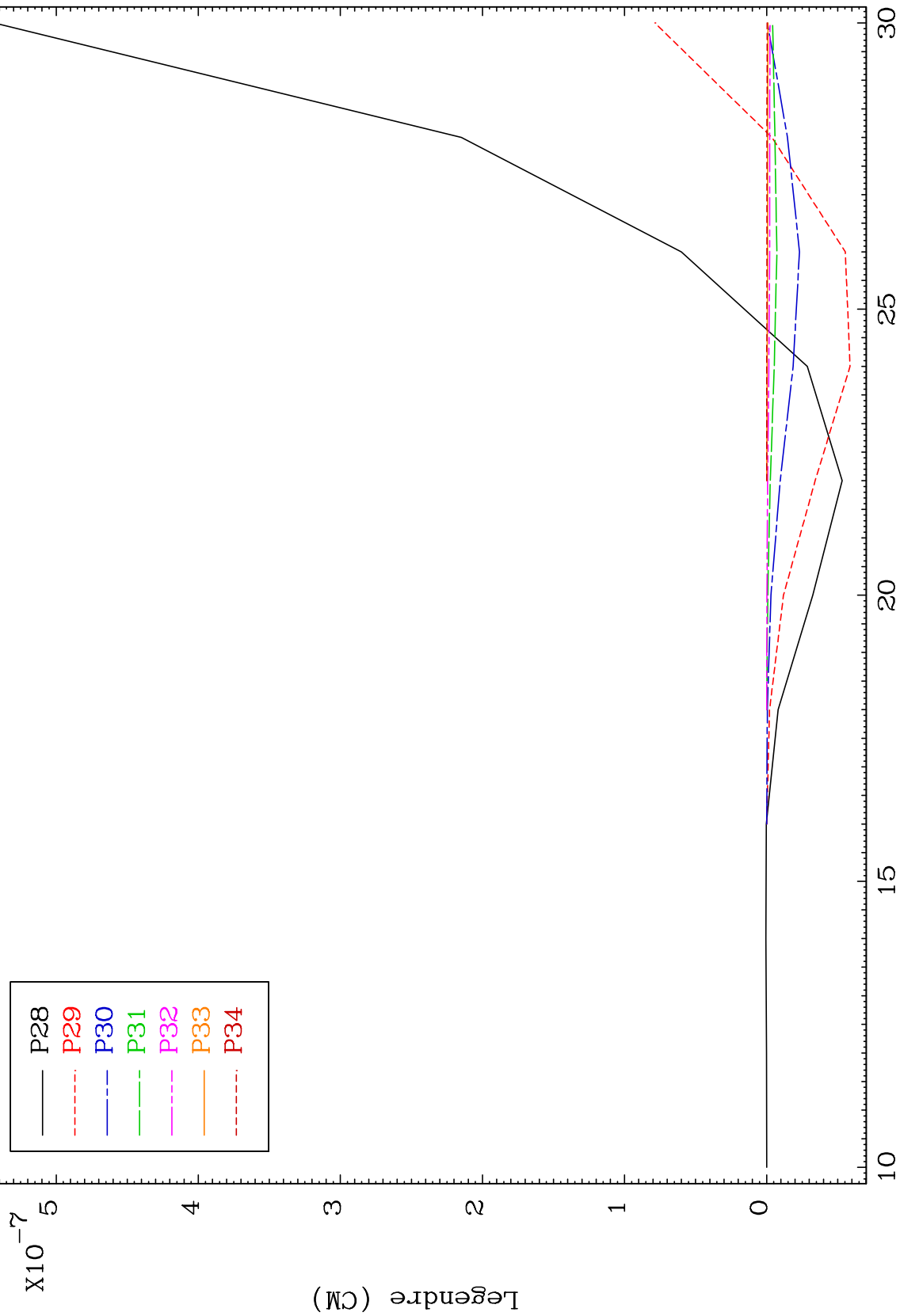
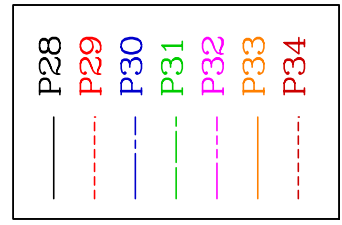
Incident Energy (MeV)

18

MAT 5680

Elastic Legendre Coefficients

57-La-123



19

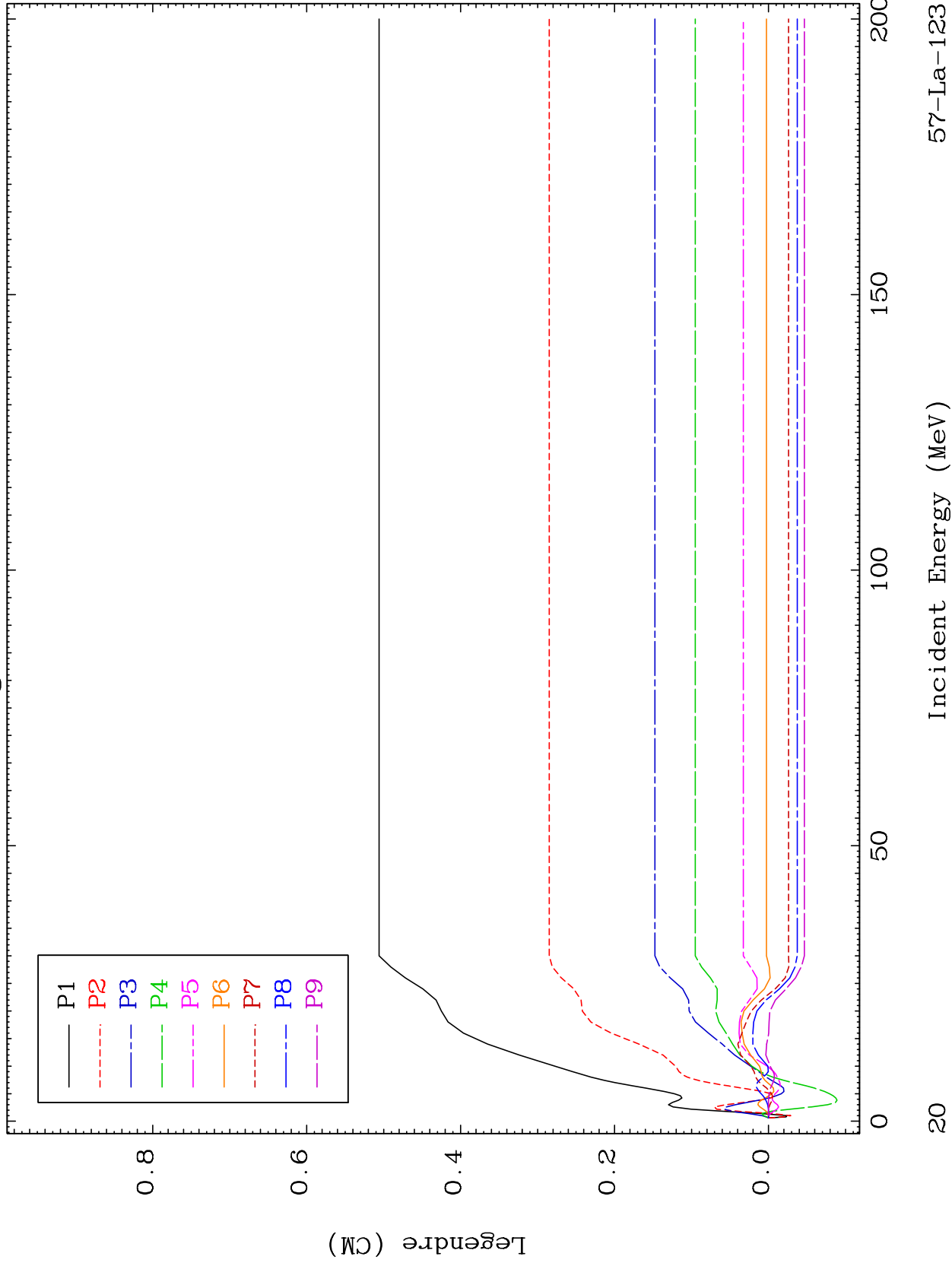
Incident Energy (MeV)

57-La-123

MAT 5680

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

57-La-123



57-La-123

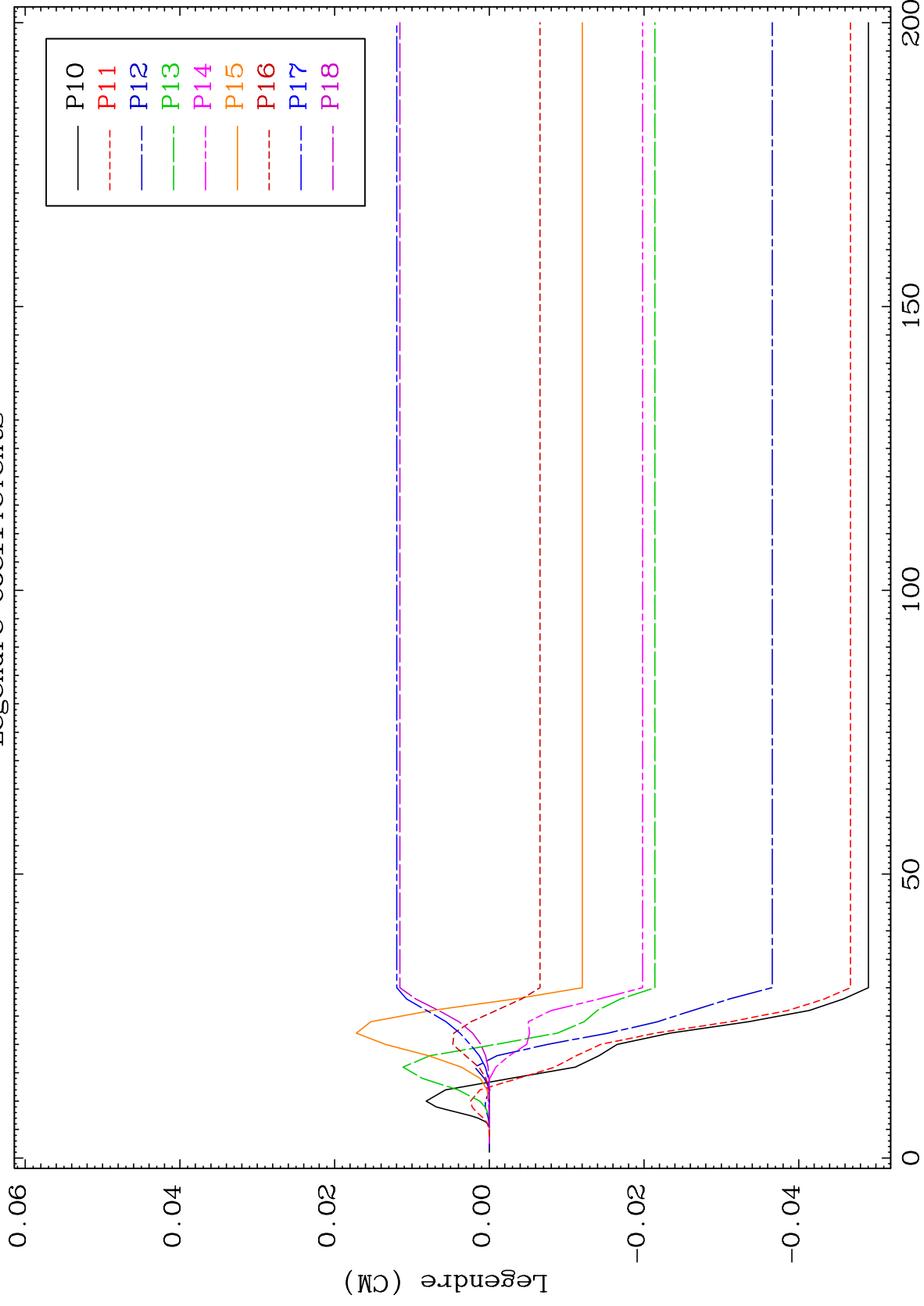
Incident Energy (MeV)

20

MAT 5680

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

57-La-123



21

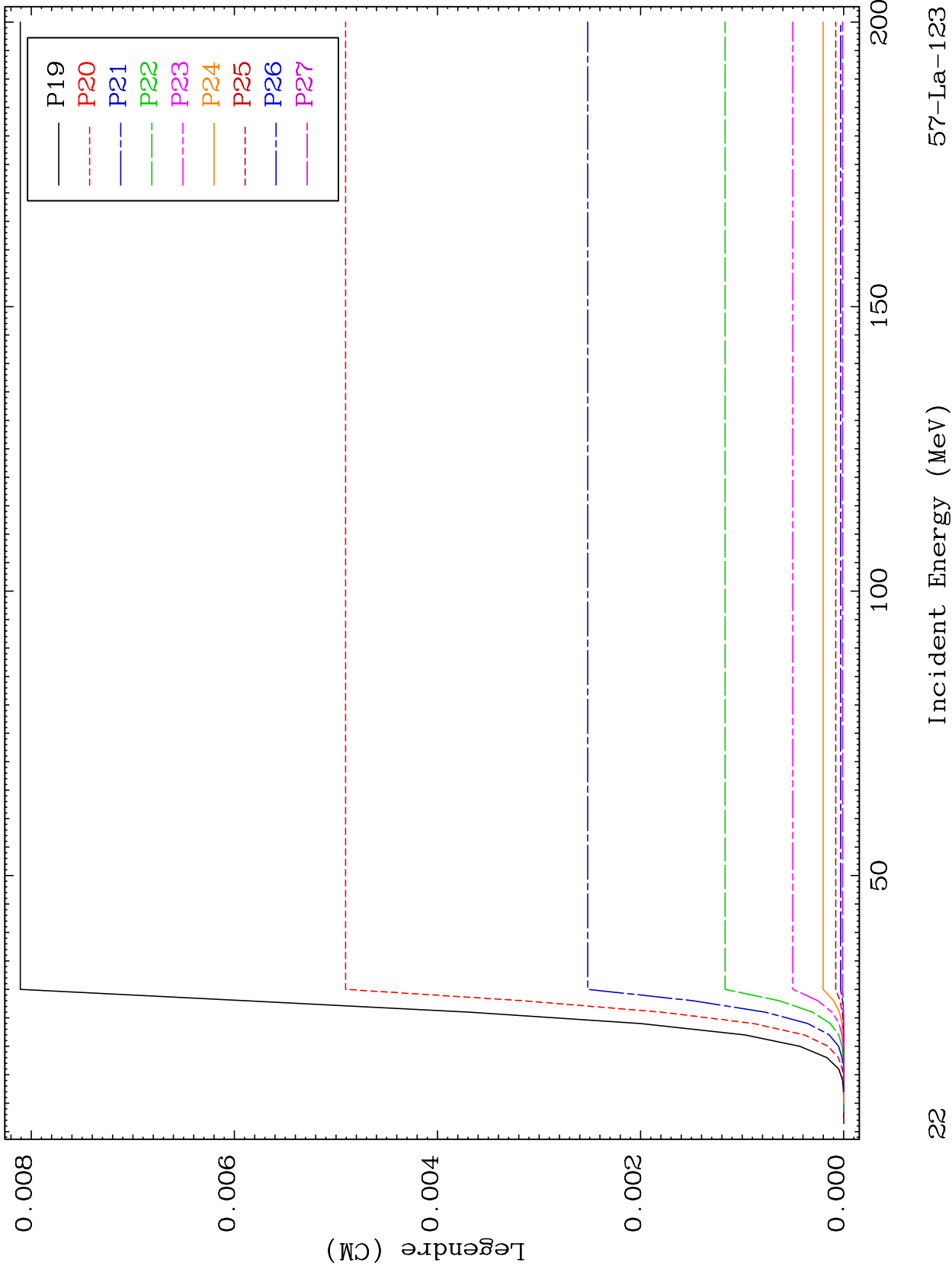
Incident Energy (MeV)

57-La-123

MAT 5680

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

57-La-123



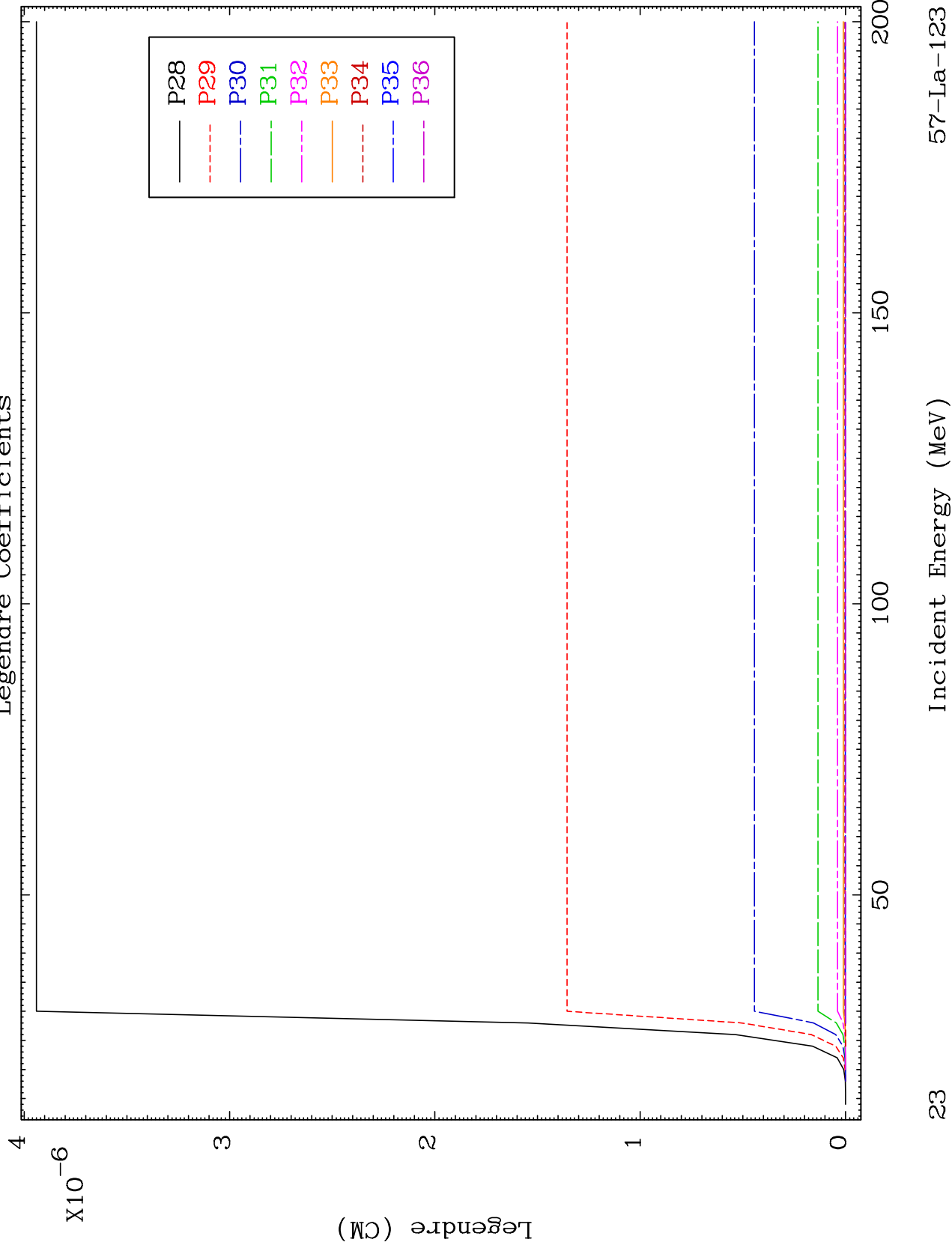
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57-La-123

MAT 5680

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

57-La-123



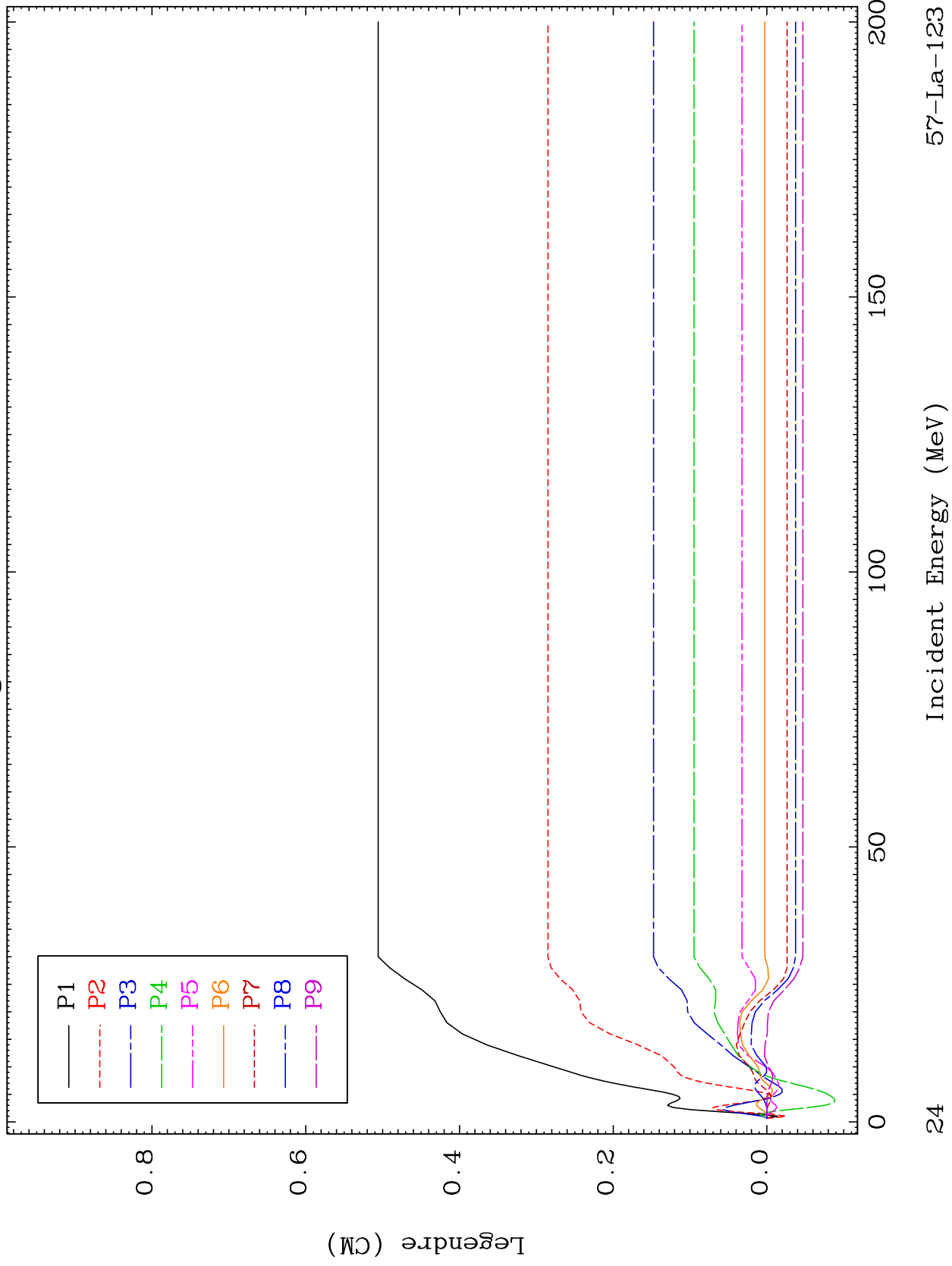
23



MAT 5680

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

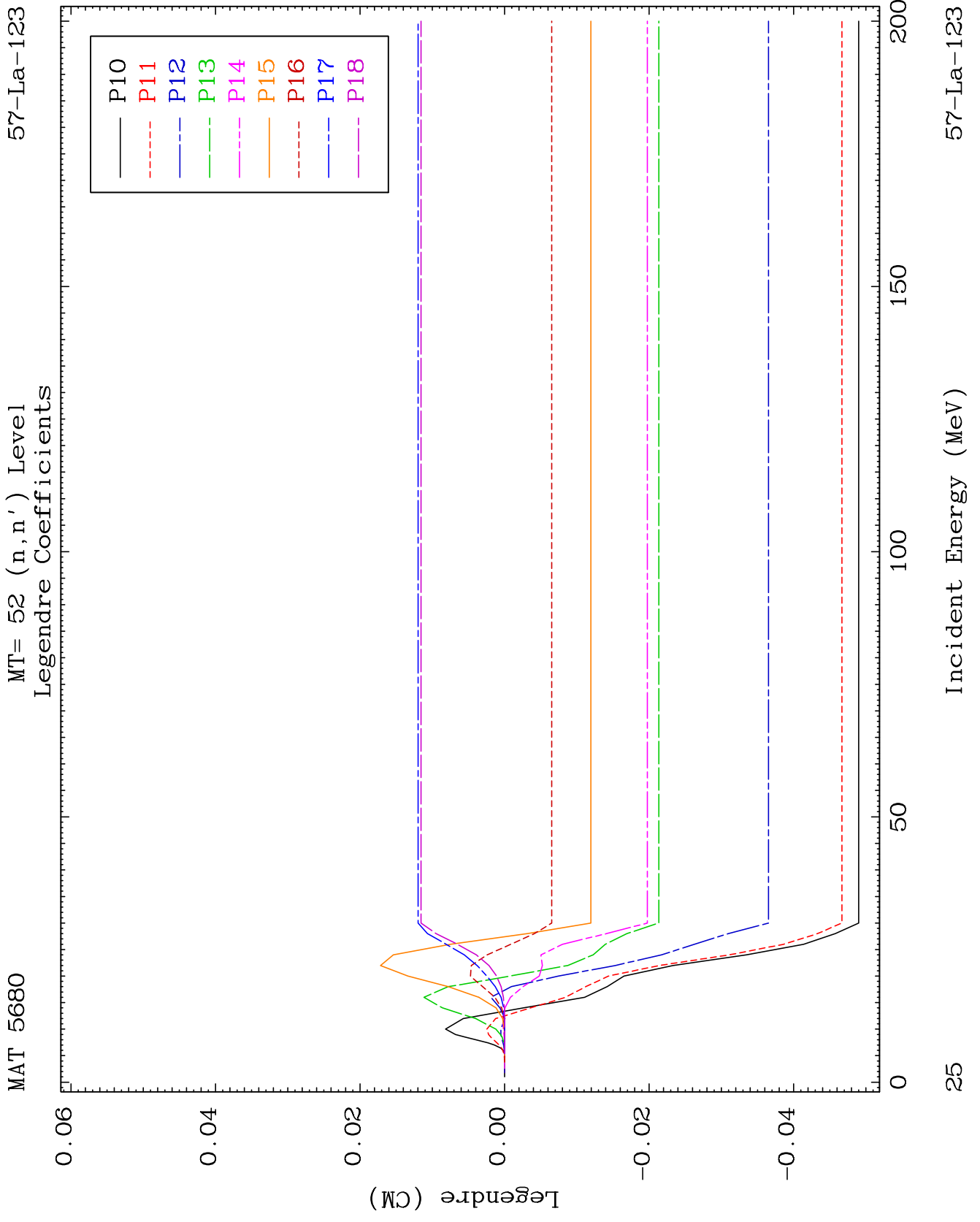
57-La-123



57-La-123

Incident Energy (MeV)

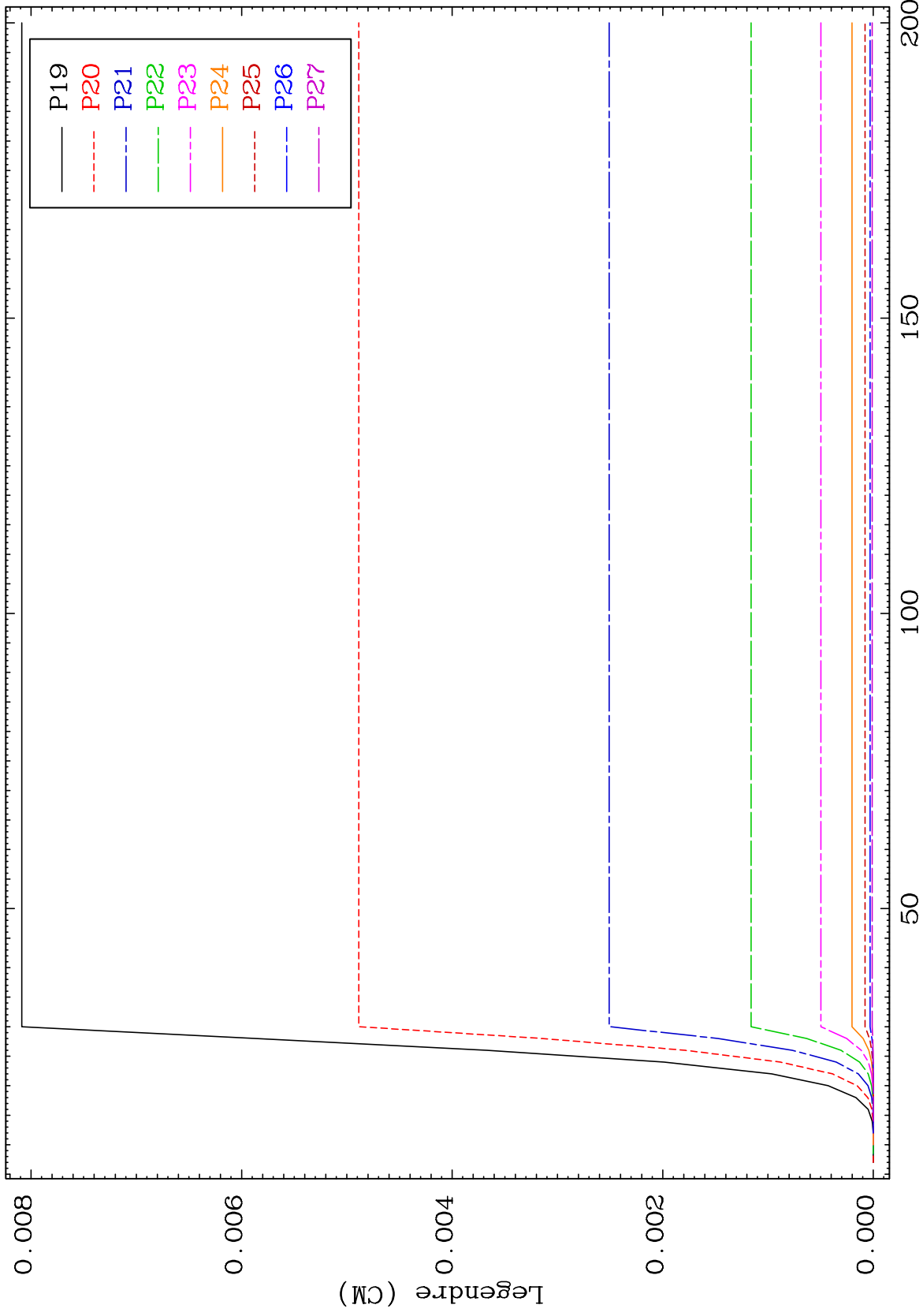
24



MAT 5680

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

57-La-123



26

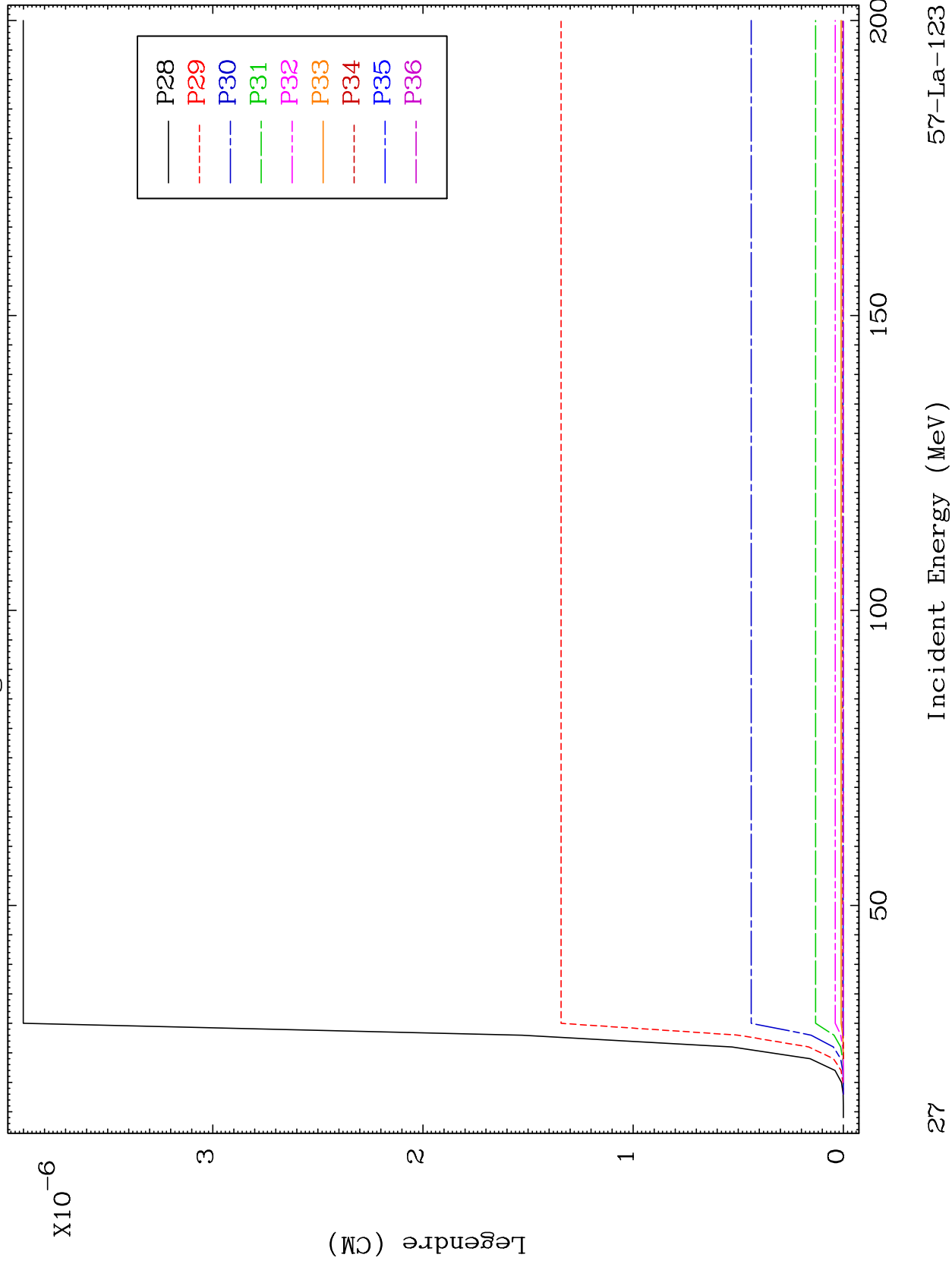
Incident Energy (MeV)

57-La-123

MAT 5680

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

57-La-123



27

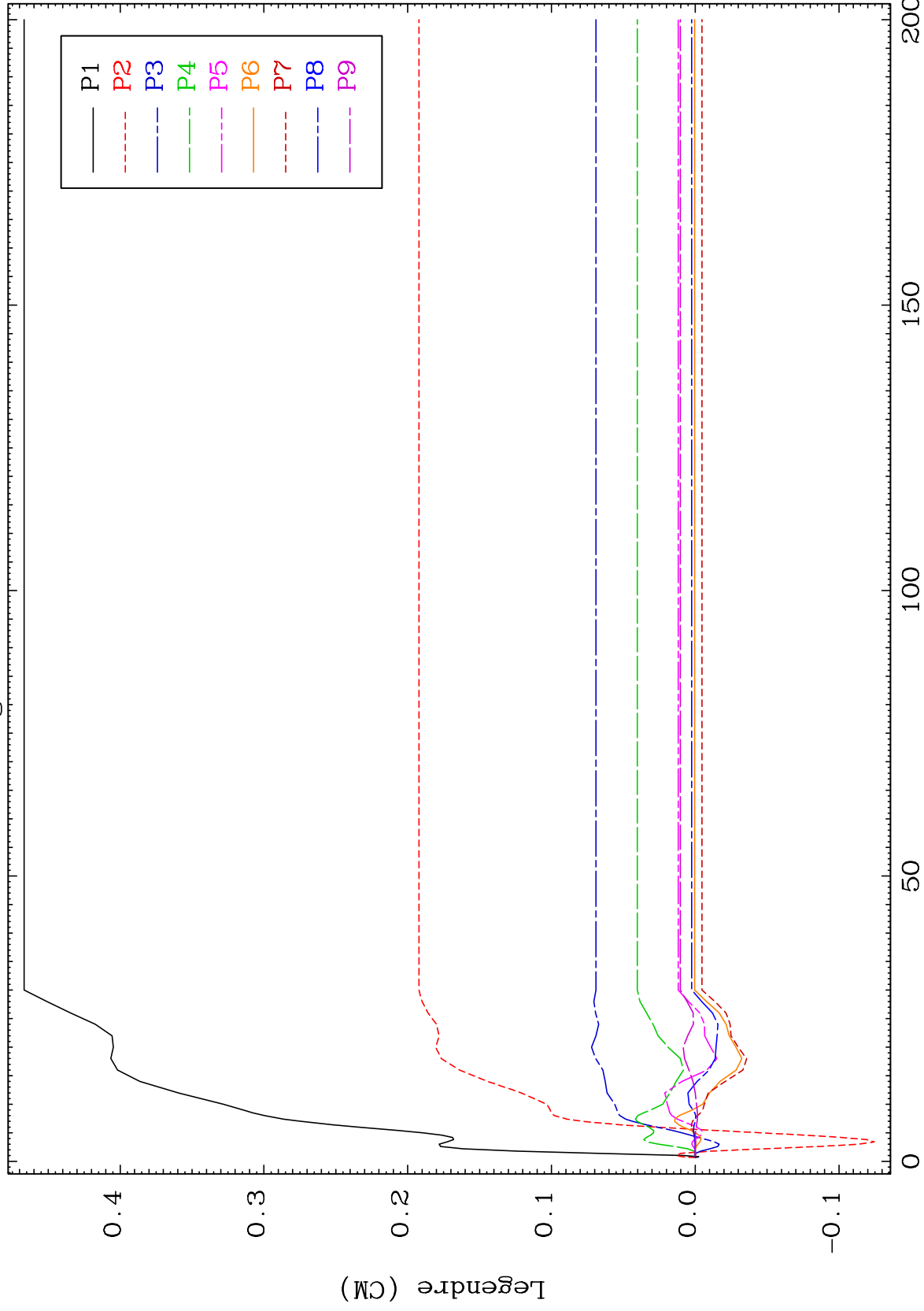
Incident Energy (MeV)

57-La-123

MAT 5680

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

57-La-123



57-La-123

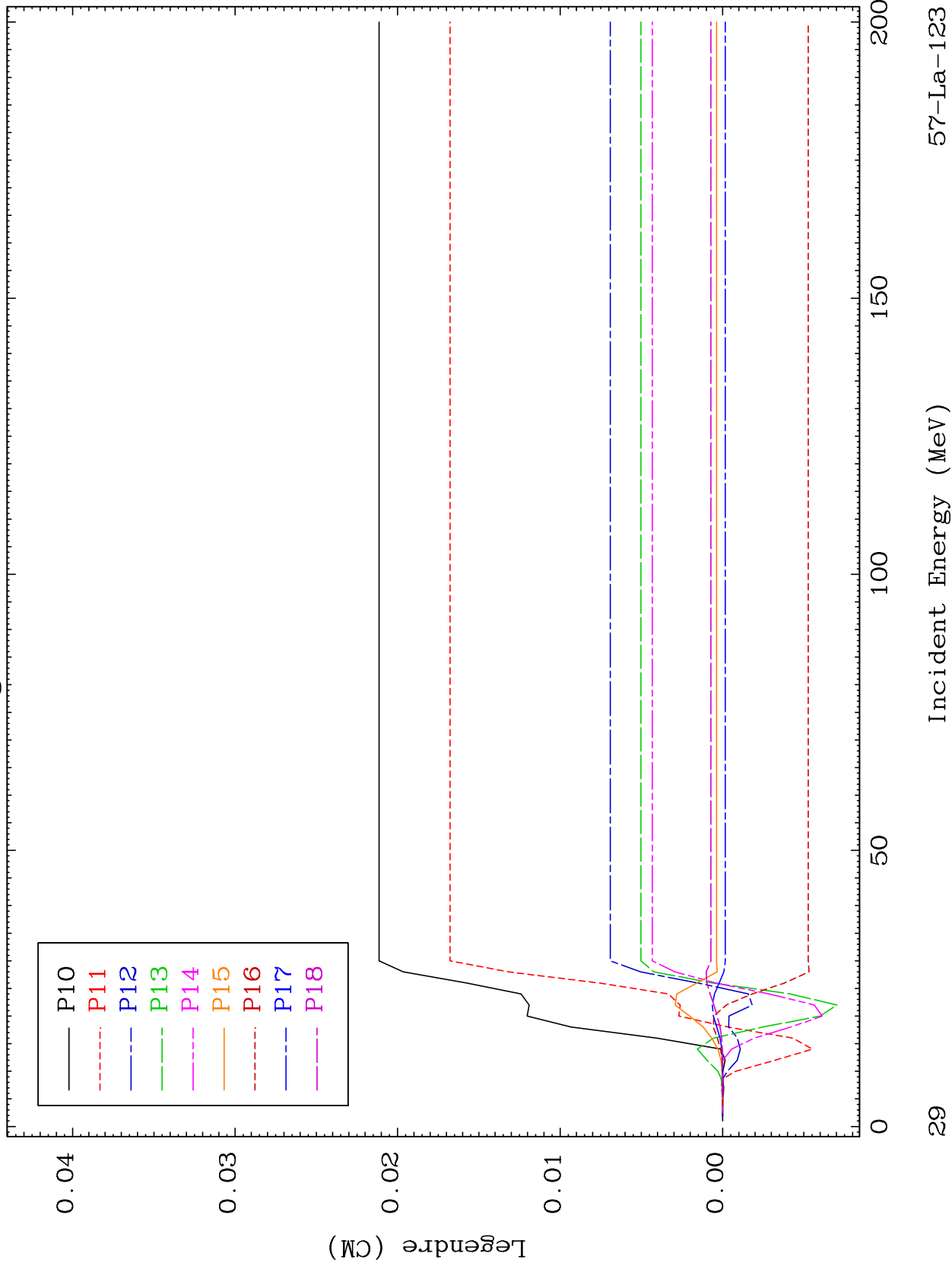
Incident Energy (MeV)

28

MAT 5680

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

57-La-123



57-La-123

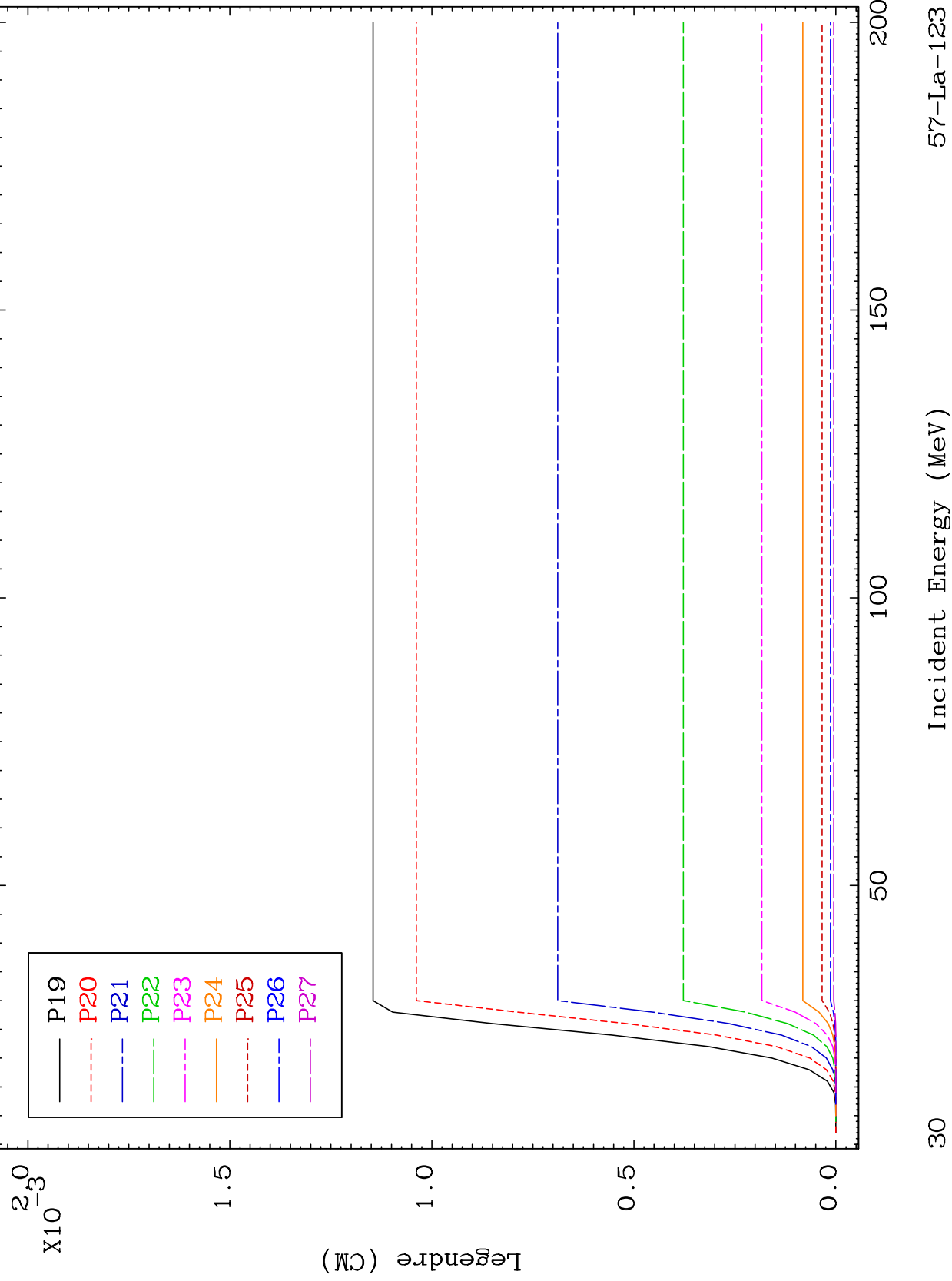
Incident Energy (MeV)

29

MAT 5680

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

57-La-123



57-La-123

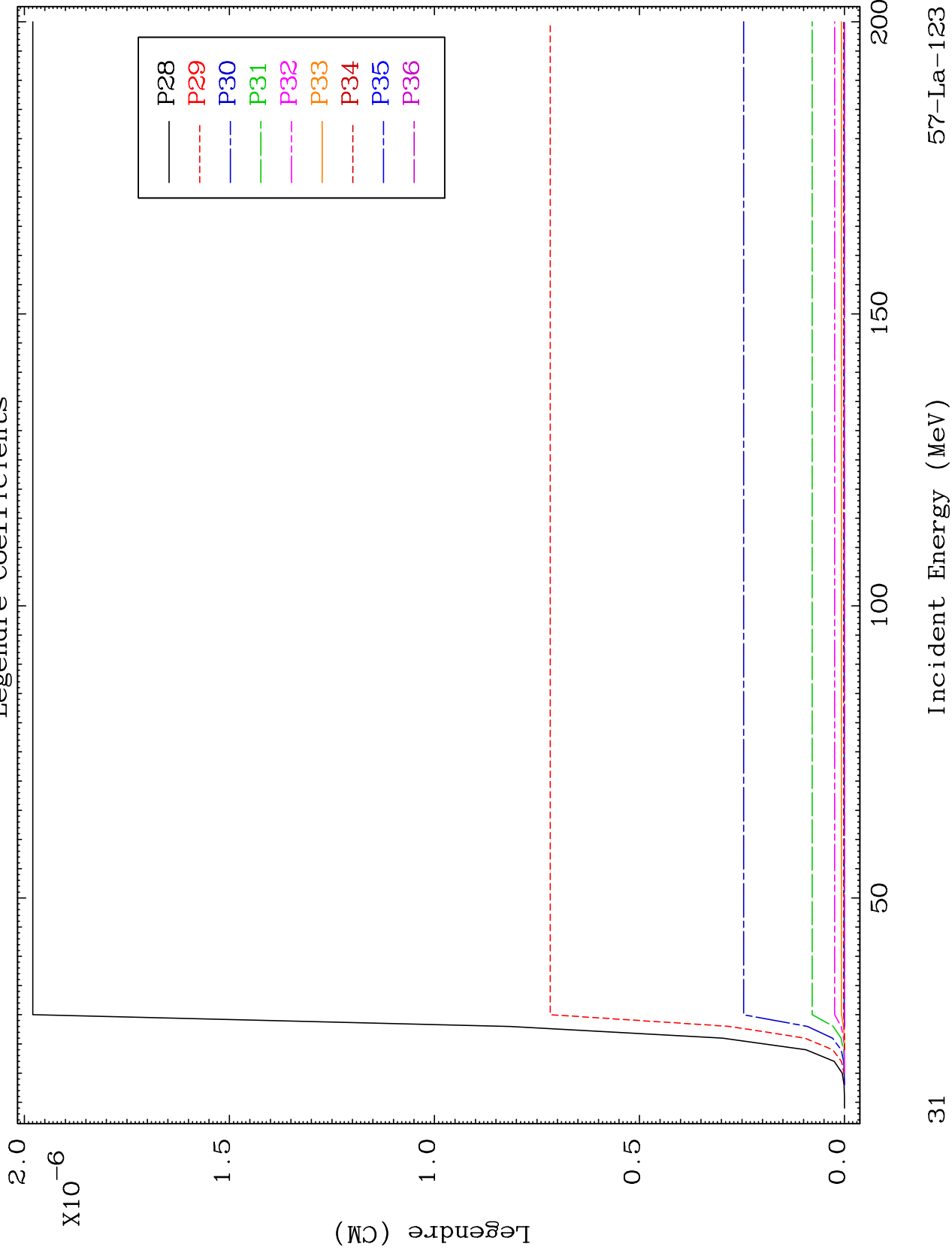
Incident Energy (MeV)

30

MAT 5680

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

57-La-123

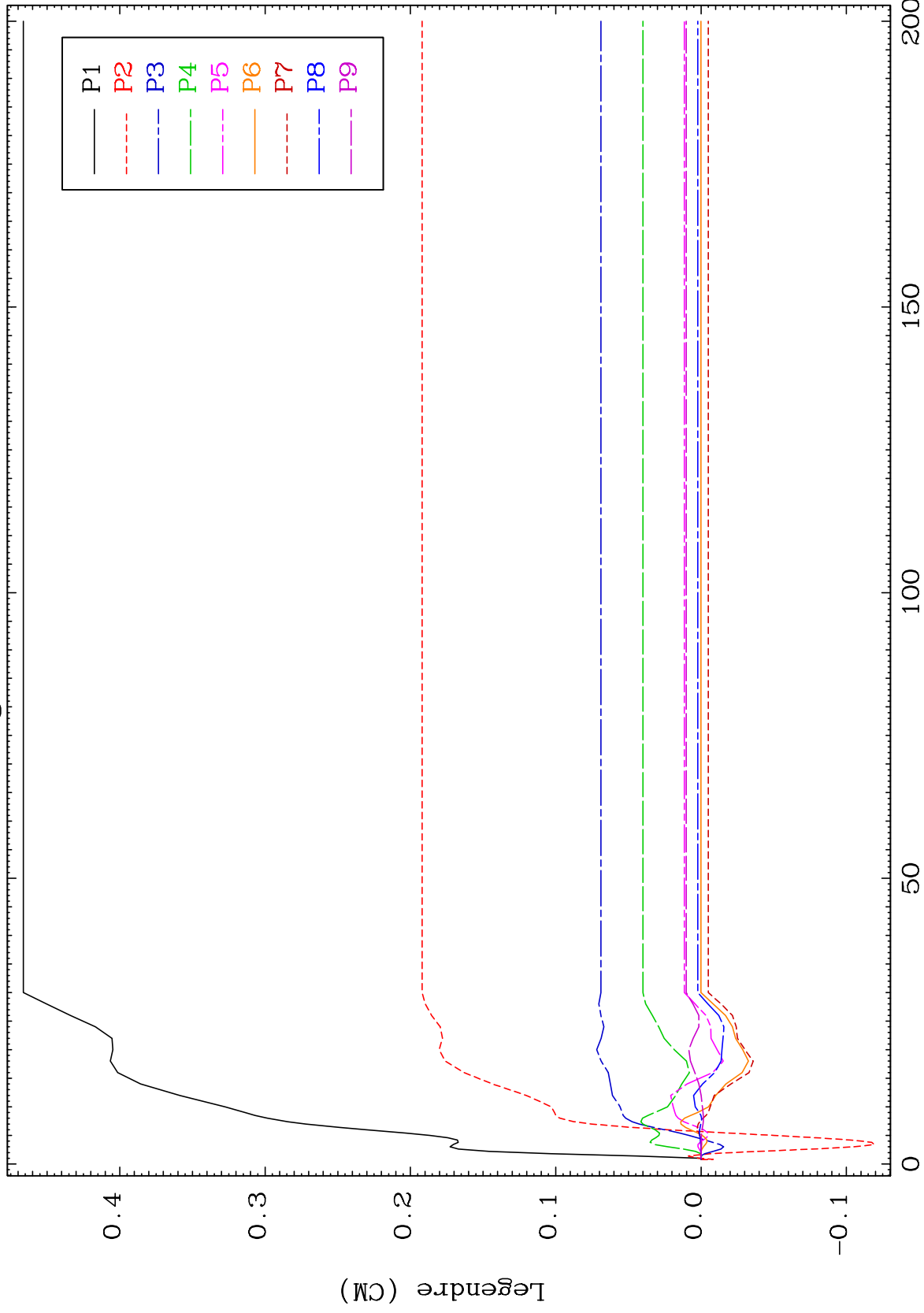




MAT 5680

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

57-La-123



57-La-123

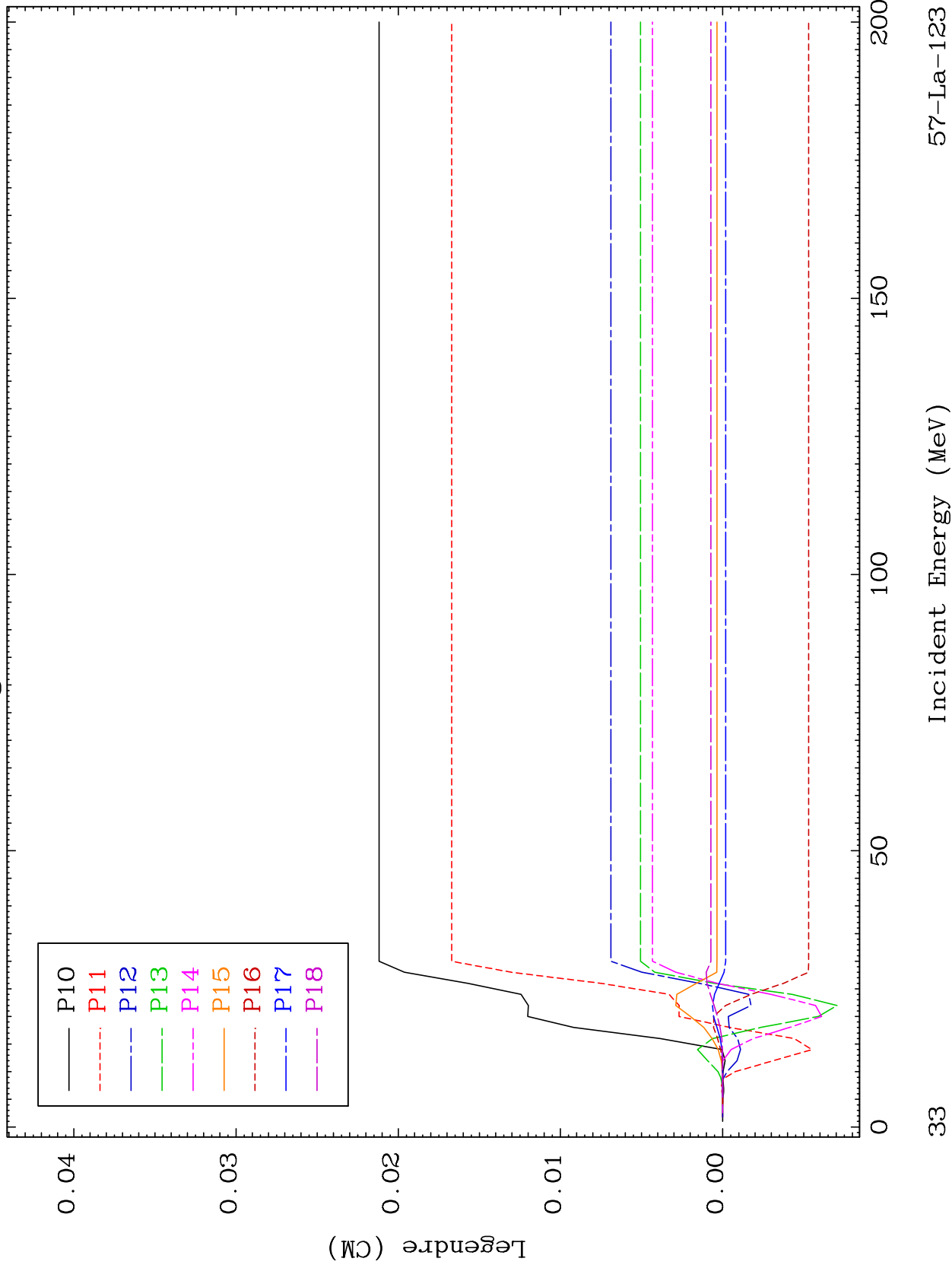
Incident Energy (MeV)

32

MAT 5680

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

57-La-123



33

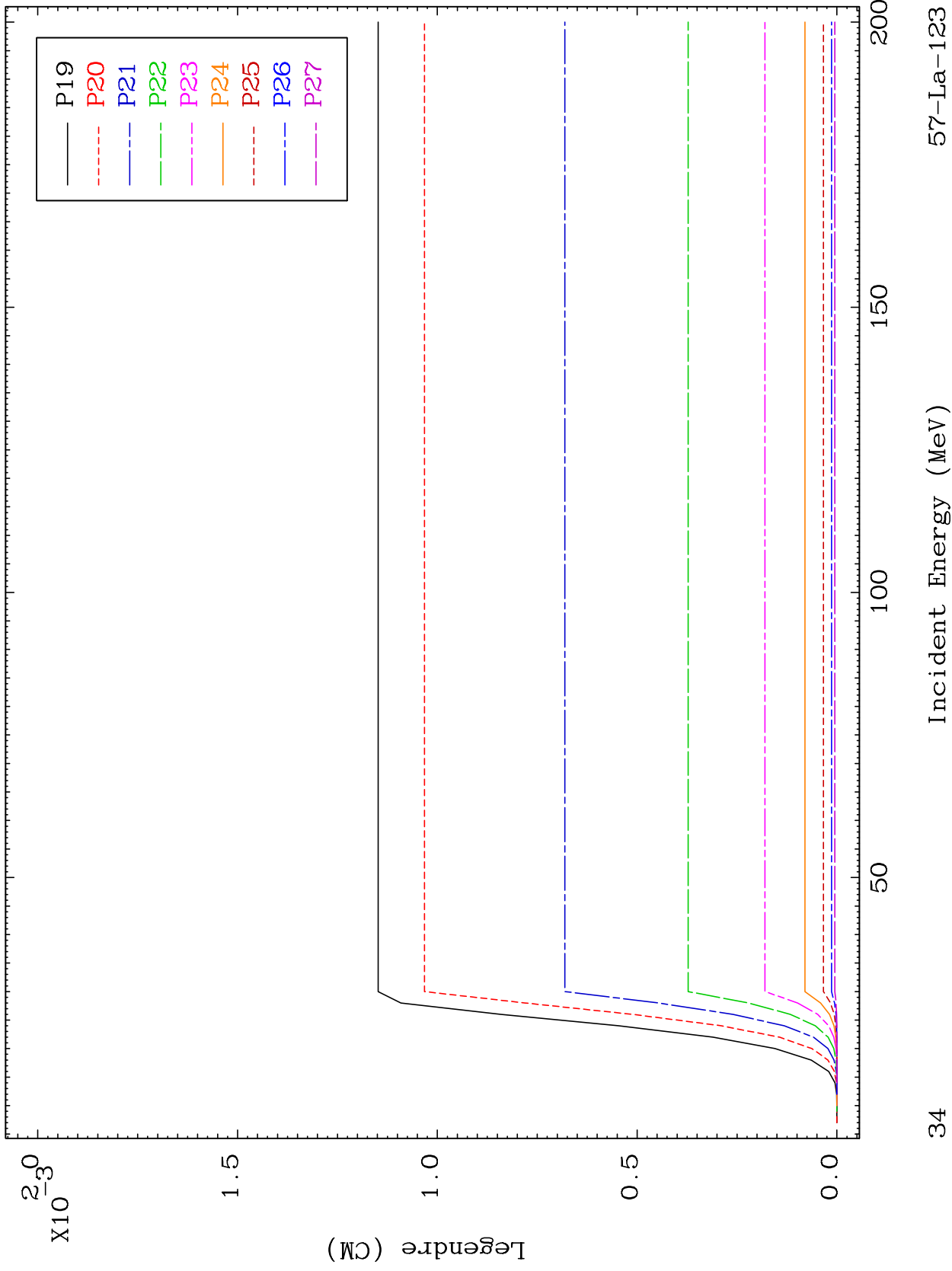
Incident Energy (MeV)

57-La-123

MAT 5680

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

57-La-123



34

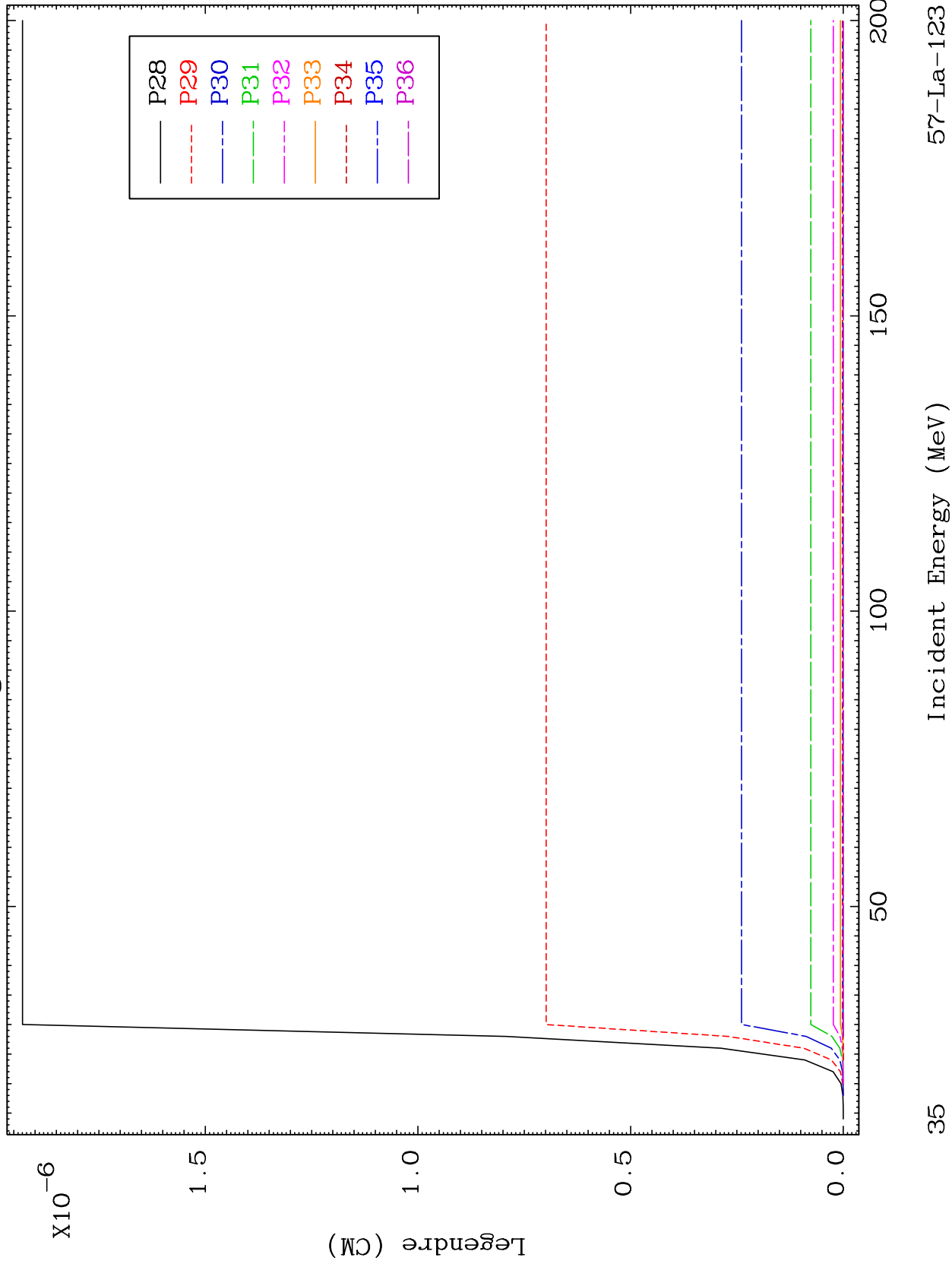
Incident Energy (MeV)

57-La-123

MAT 5680

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

57-La-123



35

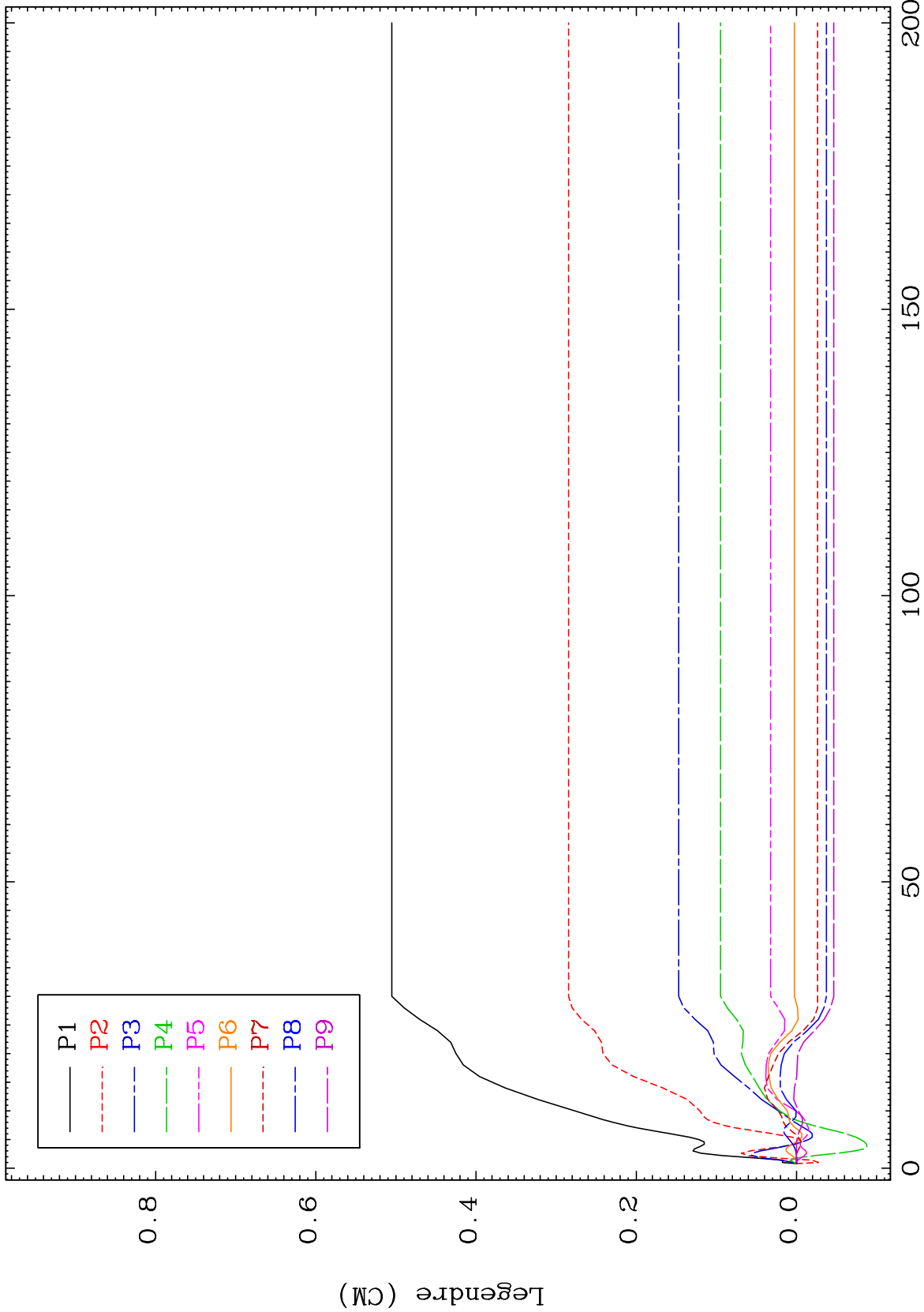
Incident Energy (MeV)

57-La-123

MAT 5680

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

57-La-123



36

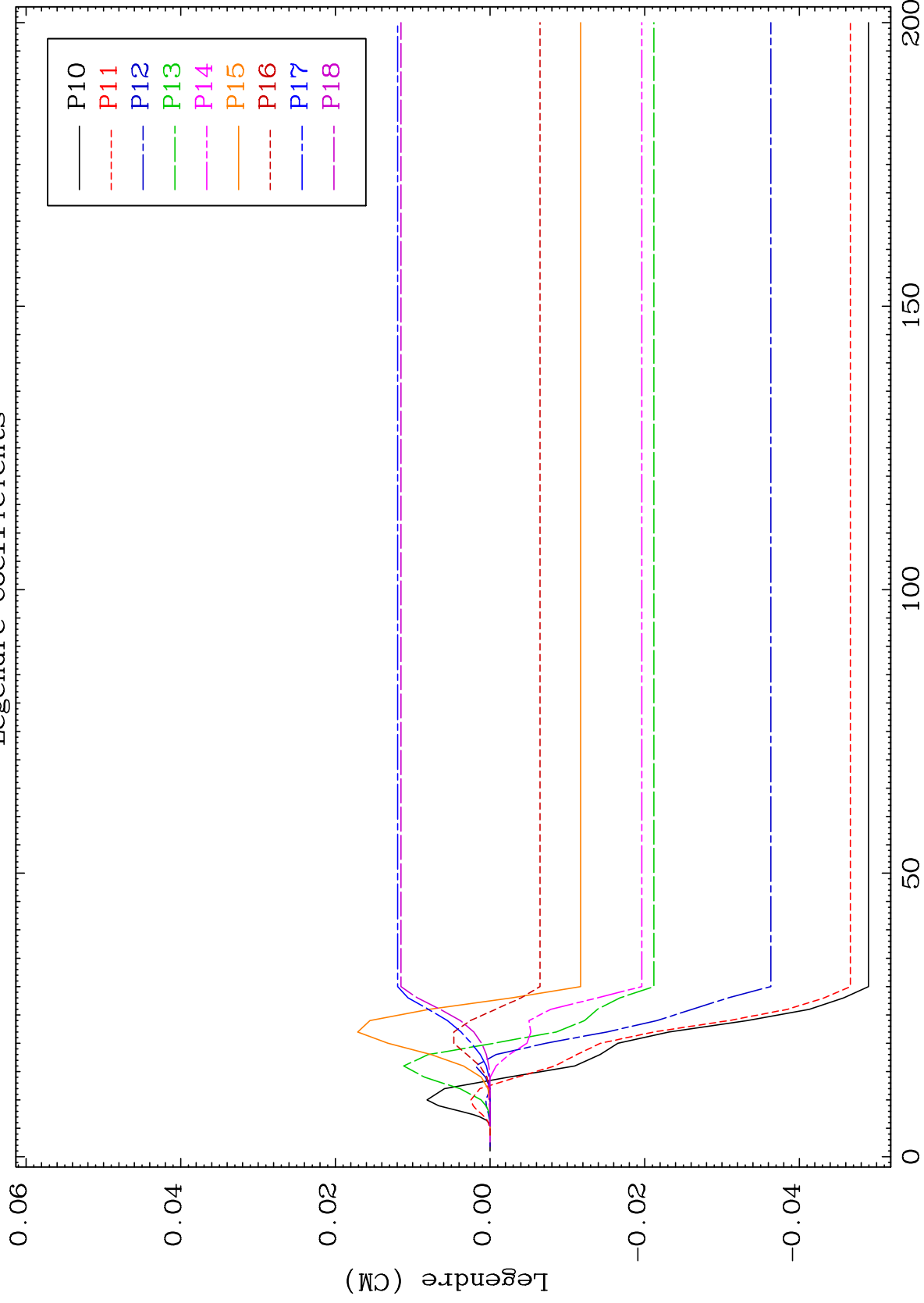
Incident Energy (MeV)

57-La-123

MAT 5680

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

57-La-123



37

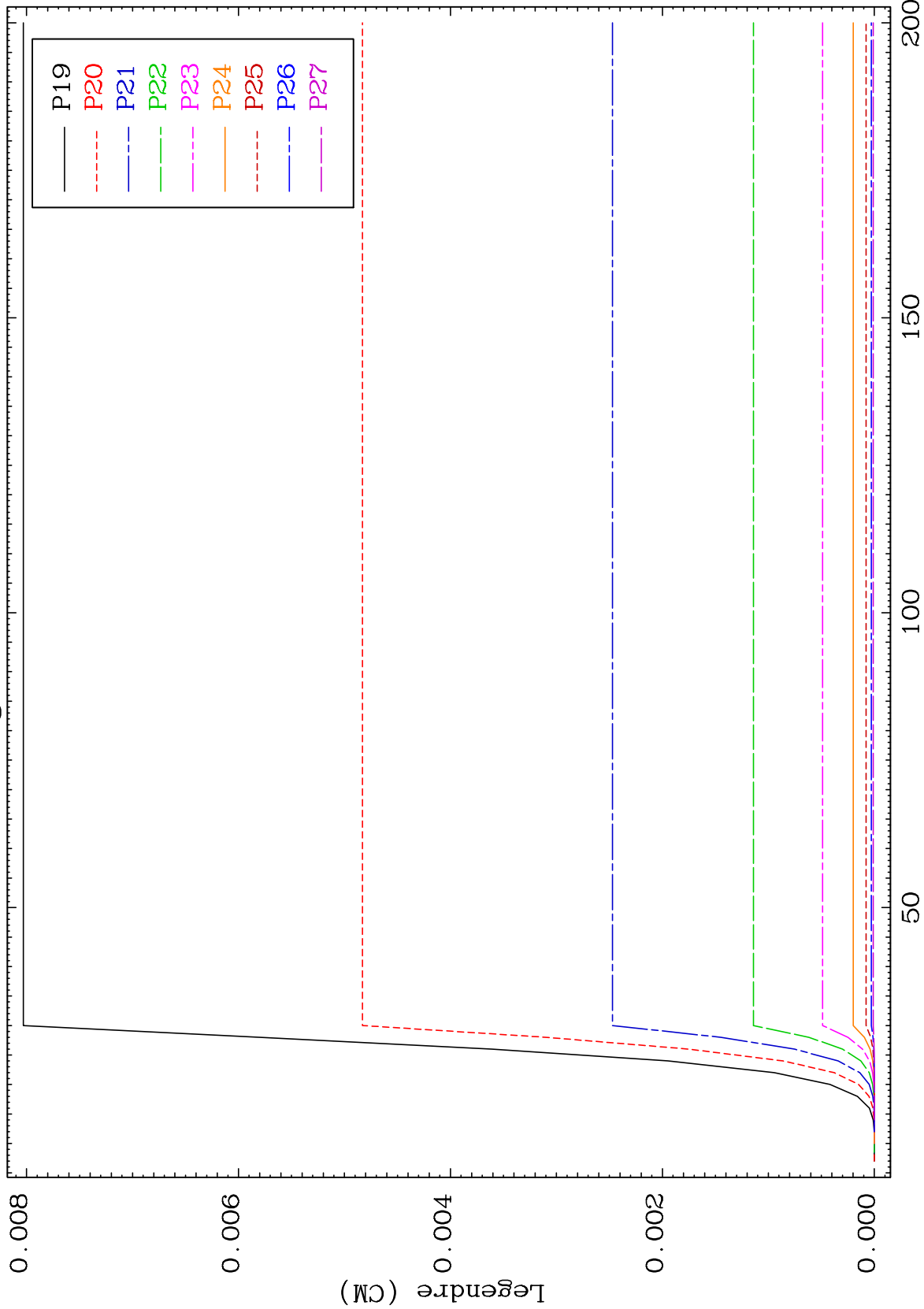
Incident Energy (MeV)

57-La-123

MAT 5680

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

57-La-123



38

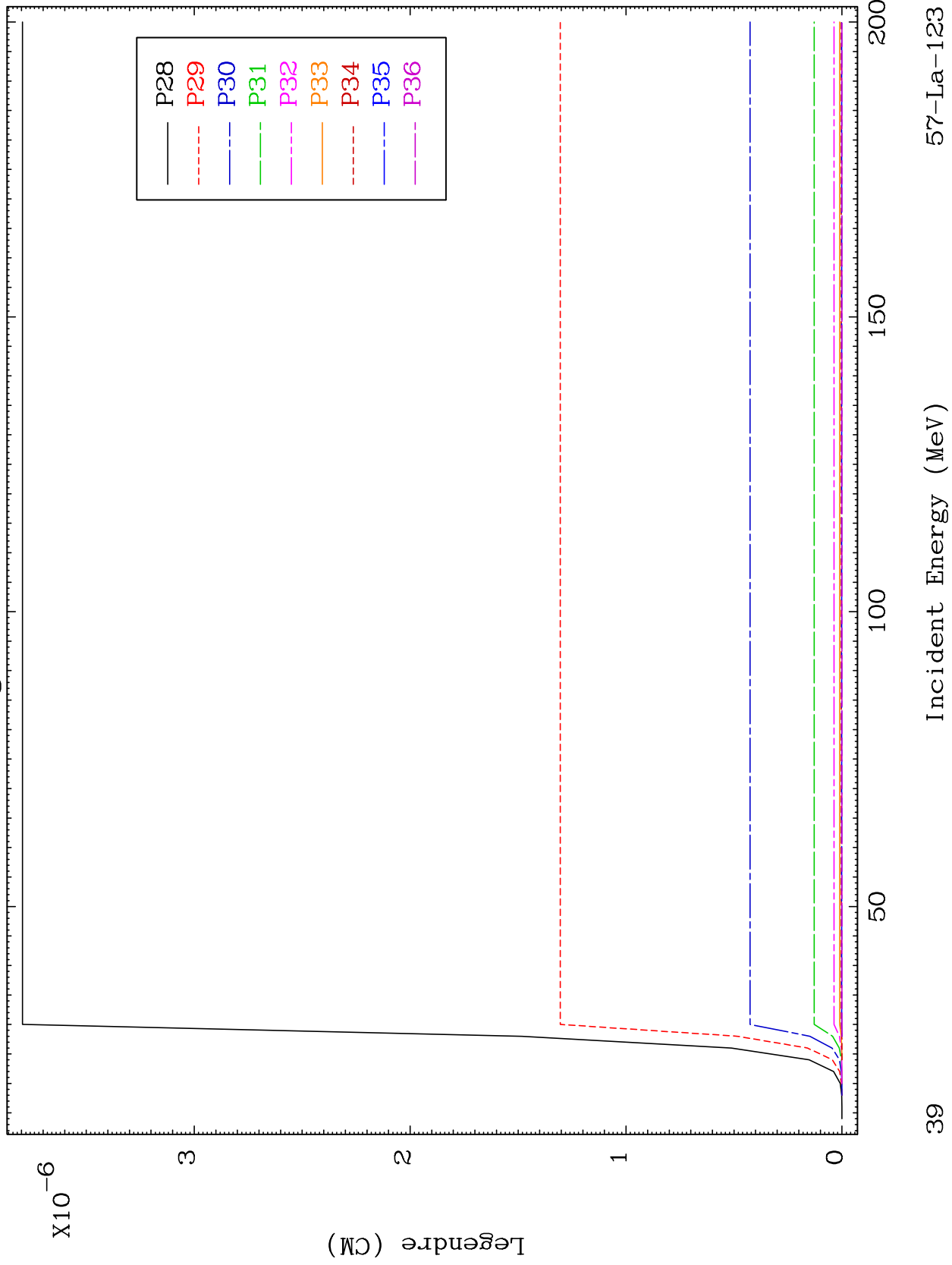
Incident Energy (MeV)

57-La-123

MAT 5680

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

57-La-123



39

Incident Energy (MeV)

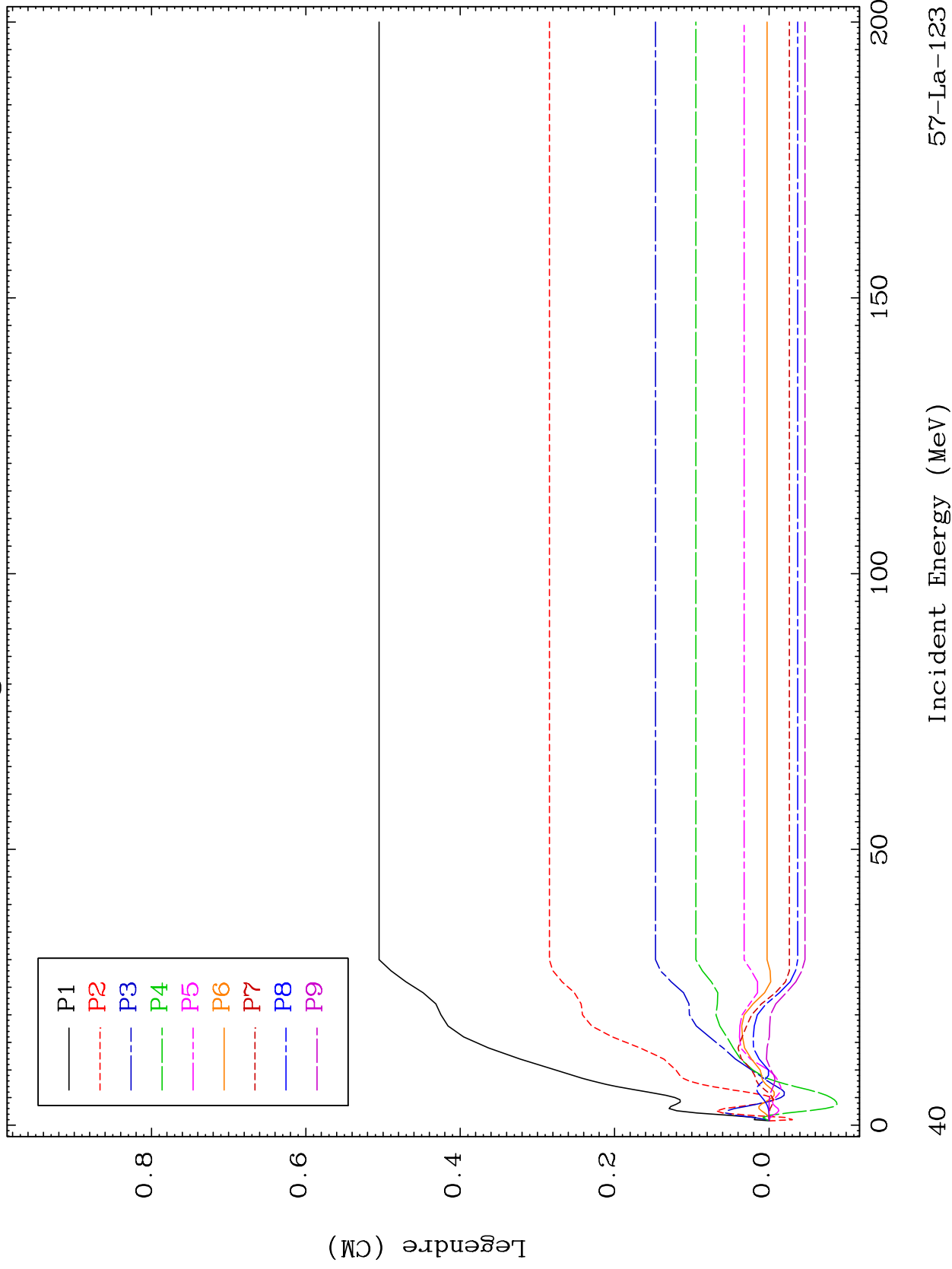
57-La-123



MAT 5680

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

57-La-123



57-La-123

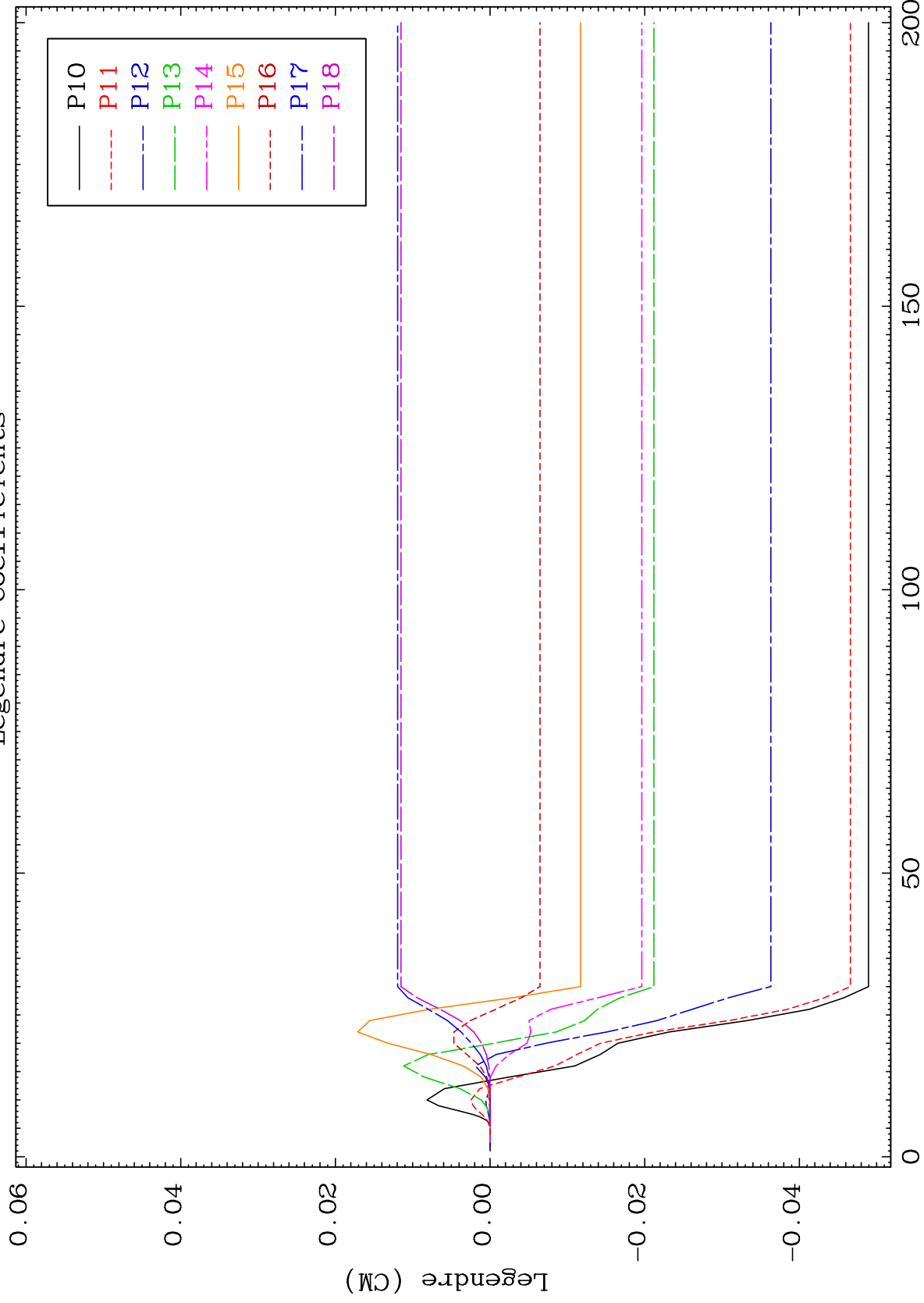
Incident Energy (MeV)

40

MAT 5680

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

57-La-123



41

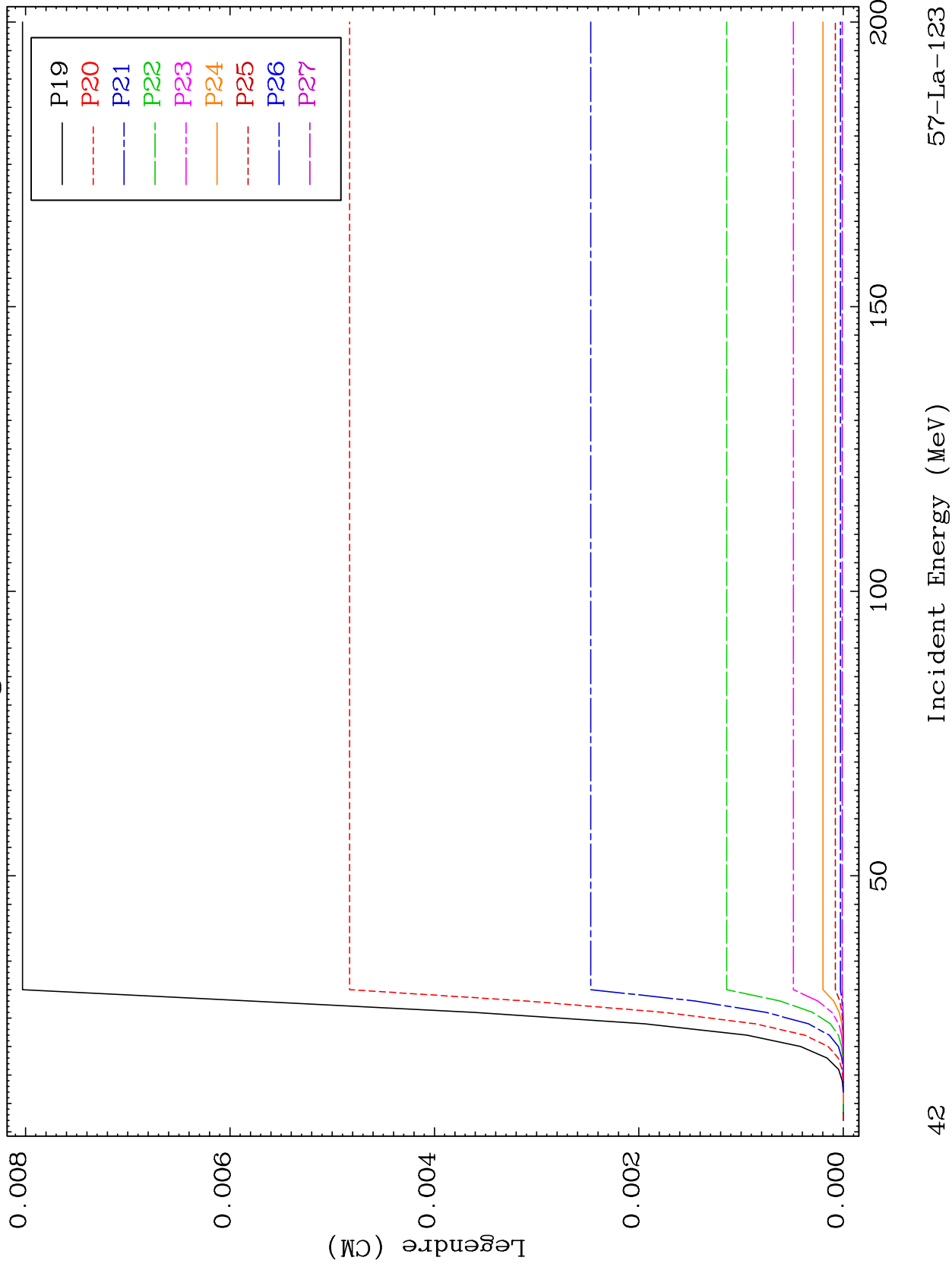
Incident Energy (MeV)

57-La-123

MAT 5680

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

57-La-123



42

Incident Energy (MeV)

57-La-123

200

150

100

50

Legendre (CM)

0.008

0.006

0.004

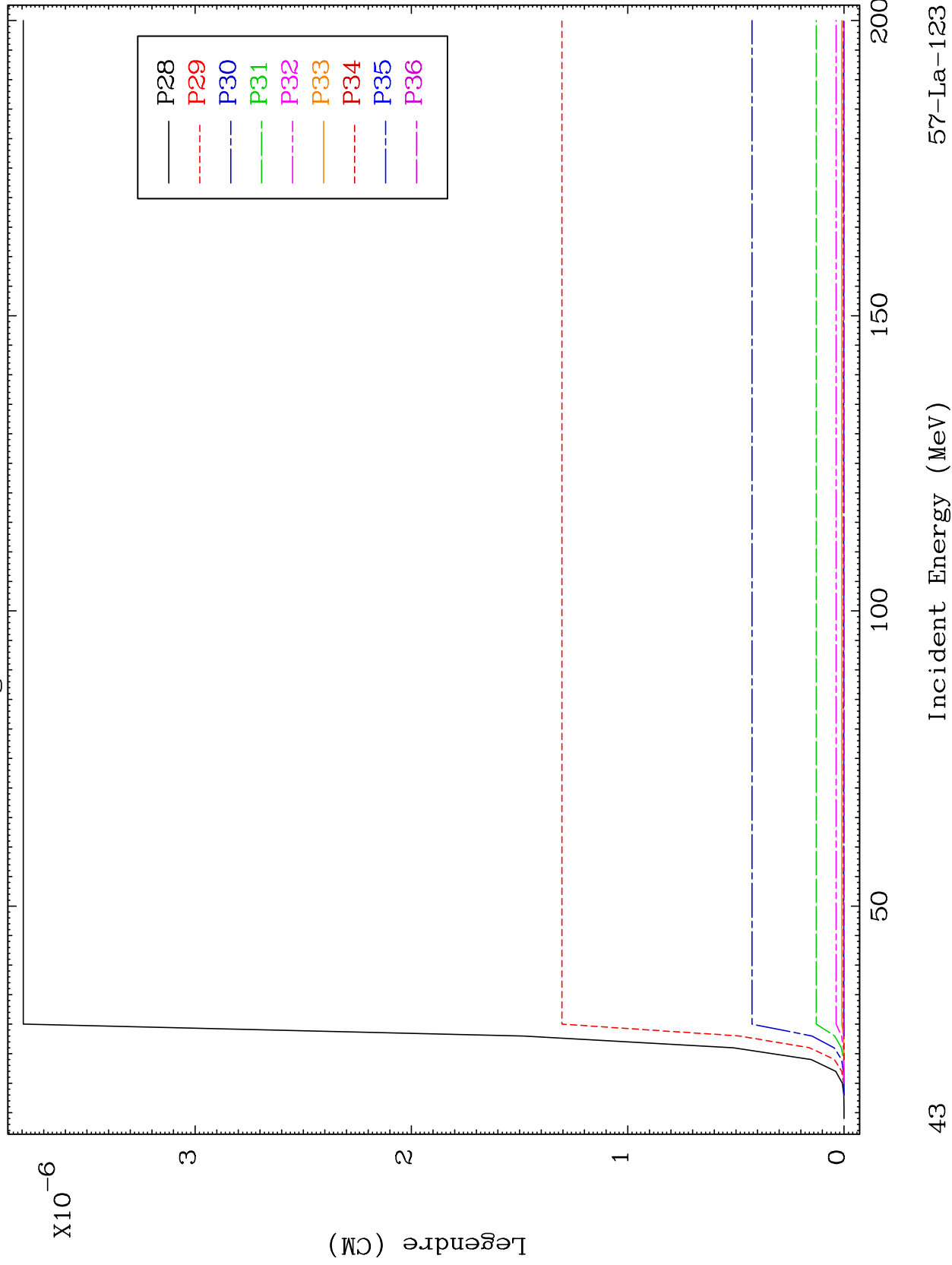
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0.000

MAT 5680

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

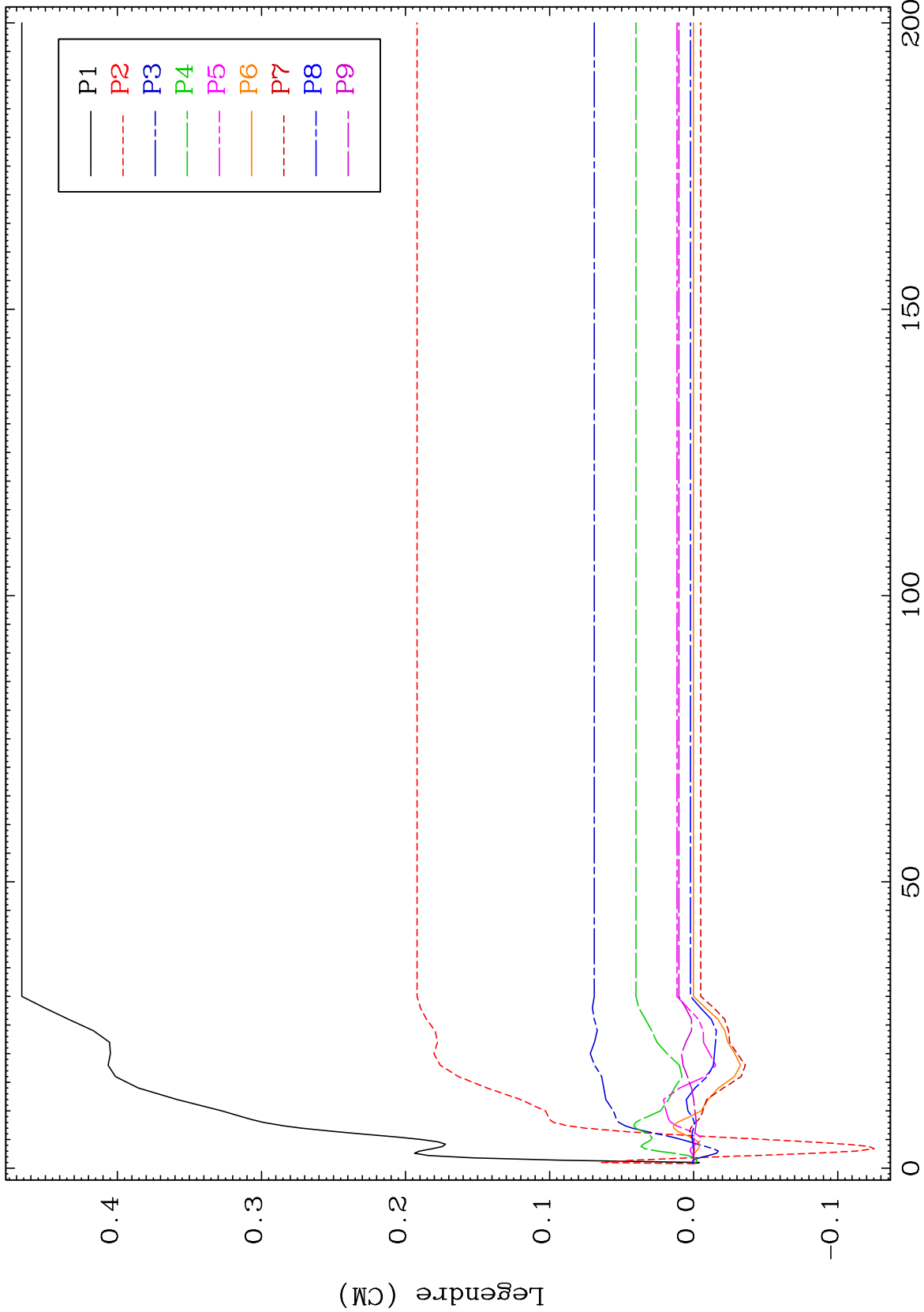
57-La-123



MAT 5680

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

57-La-123



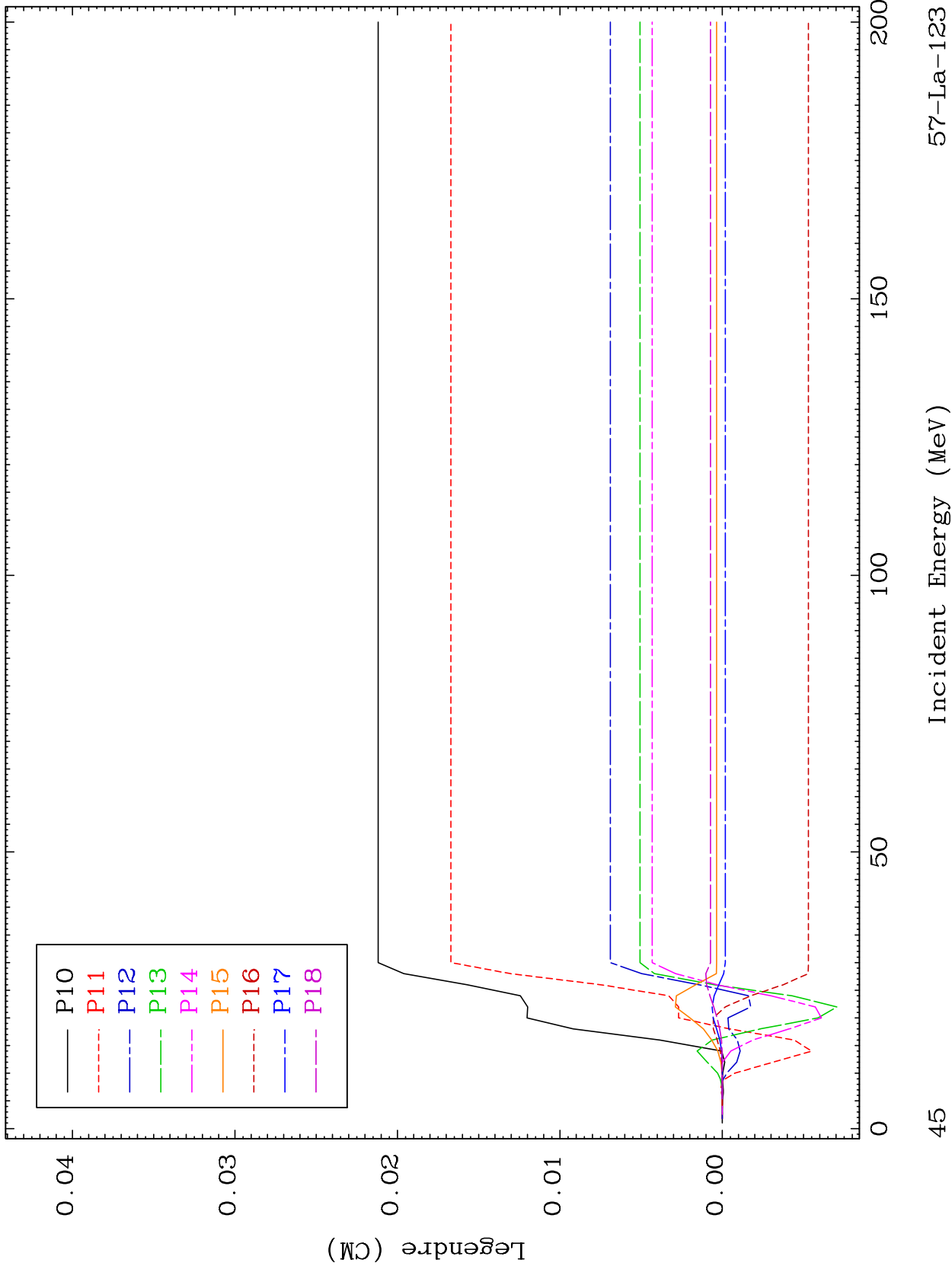
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57-La-123

MAT 5680

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

57-La-123



57-La-123

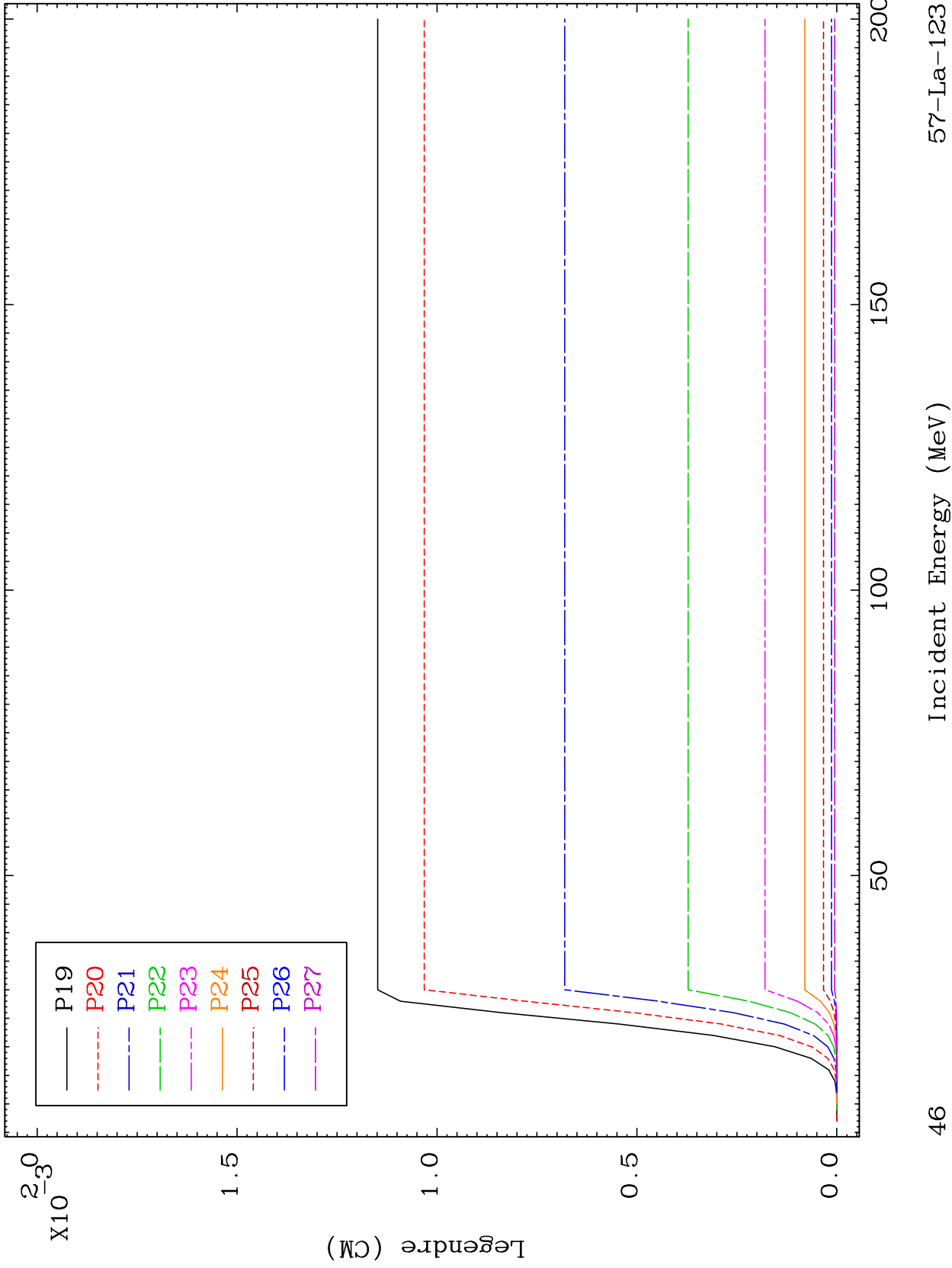
Incident Energy (MeV)

45

MAT 5680

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

57-La-123



46

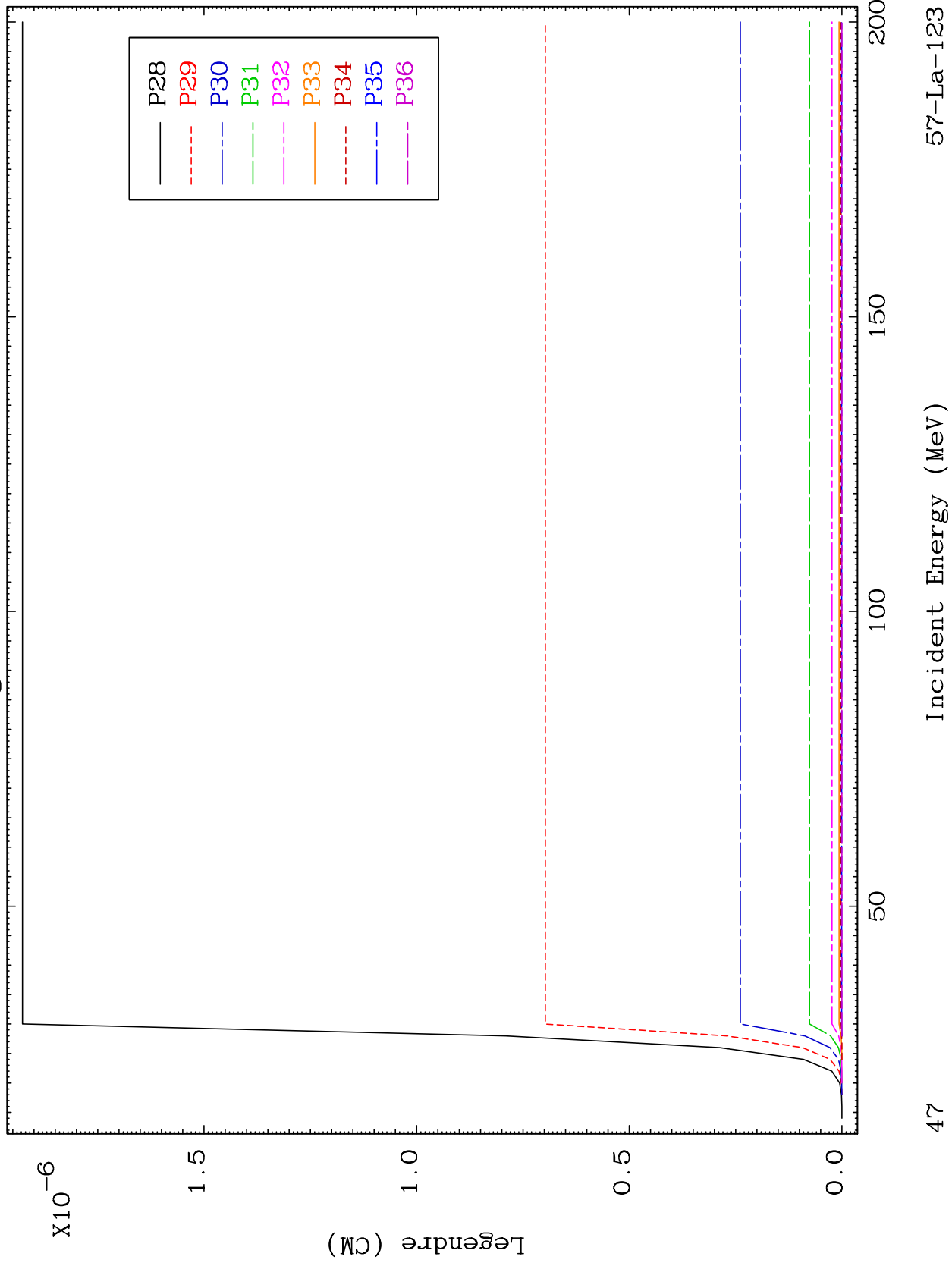
Incident Energy (MeV)

57-La-123

MAT 5680

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

57-La-123



47

Incident Energy (MeV)

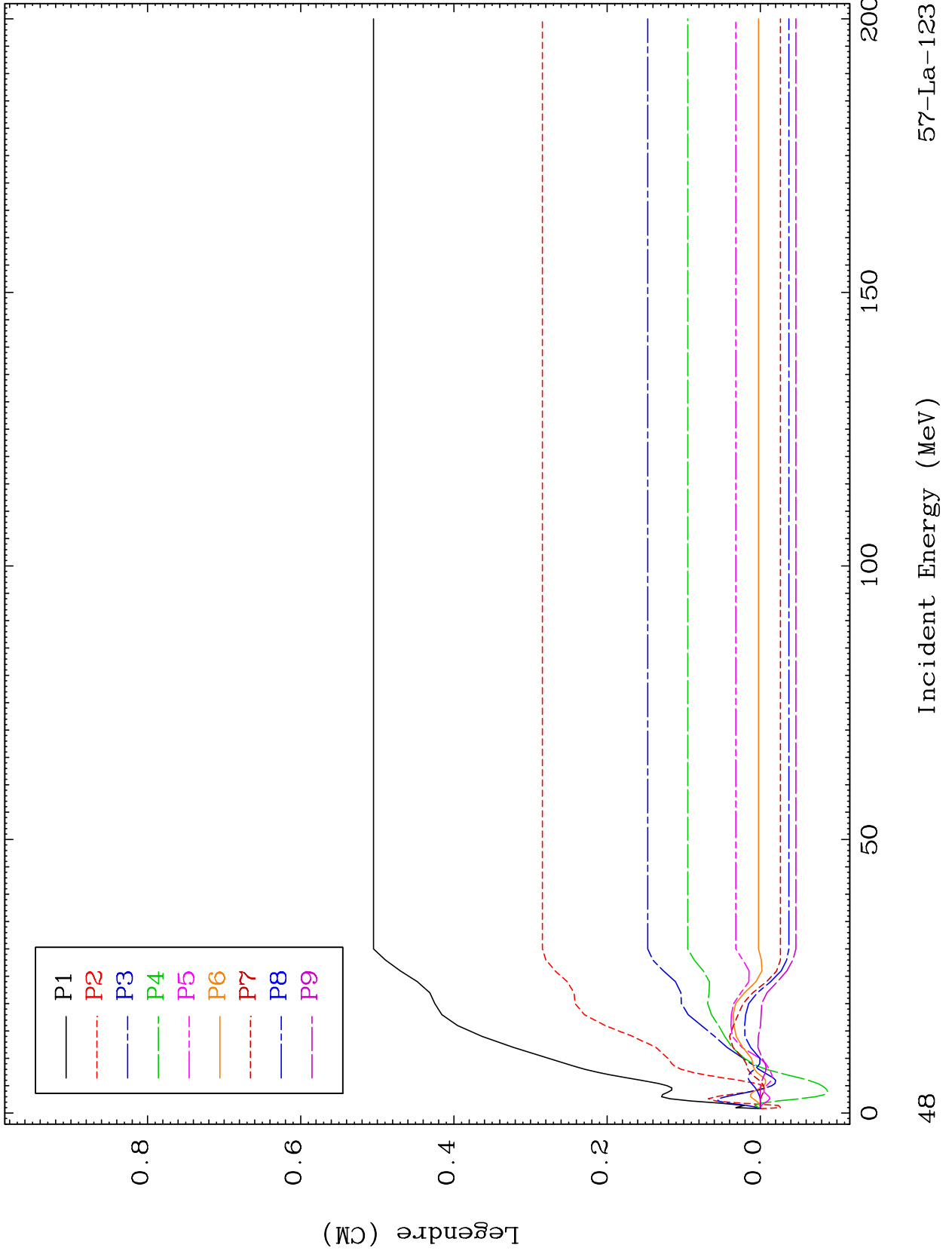
57-La-123



MAT 5680

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

57-La-123



57-La-123

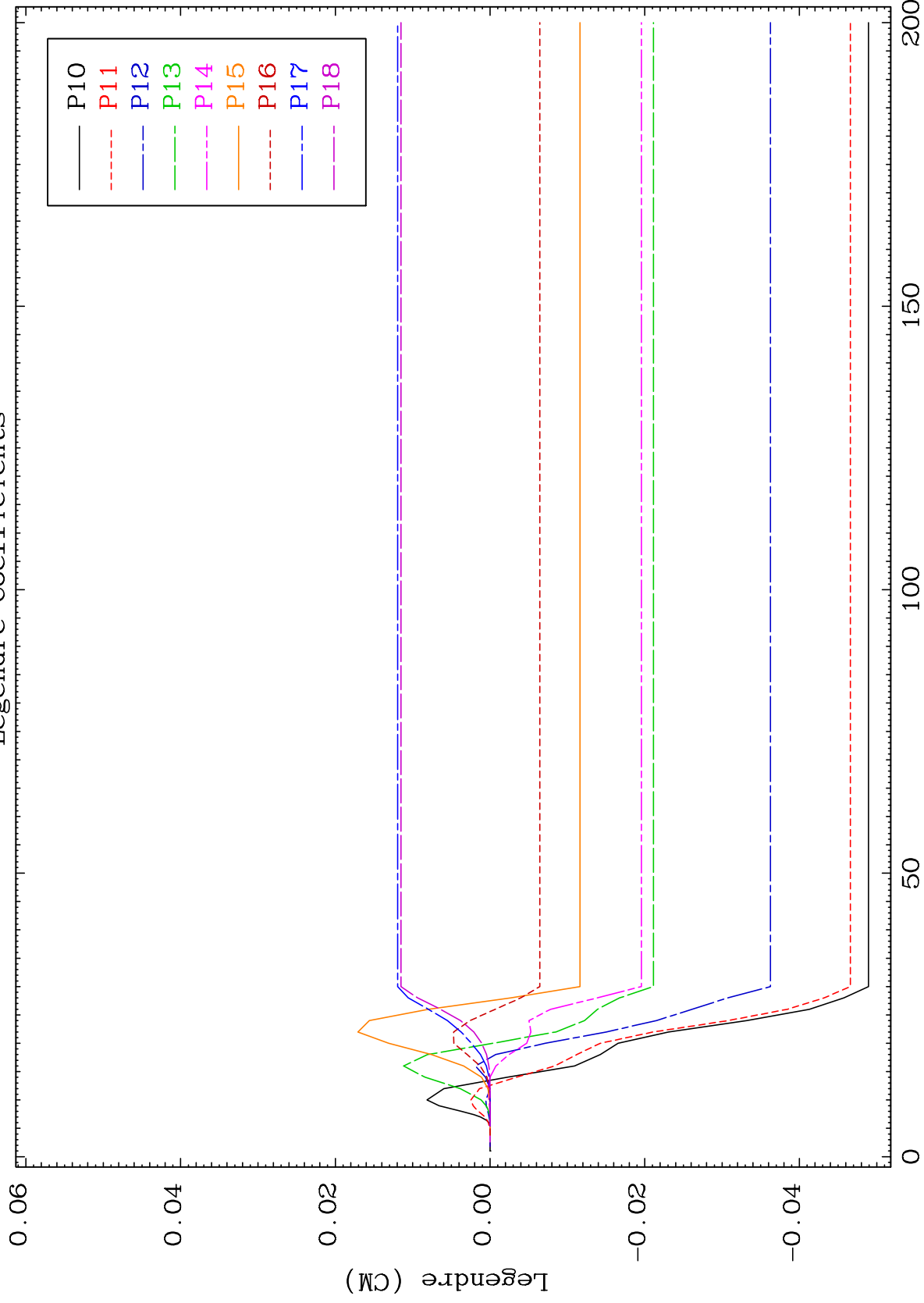
Incident Energy (MeV)

48

MAT 5680

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

57-La-123



49

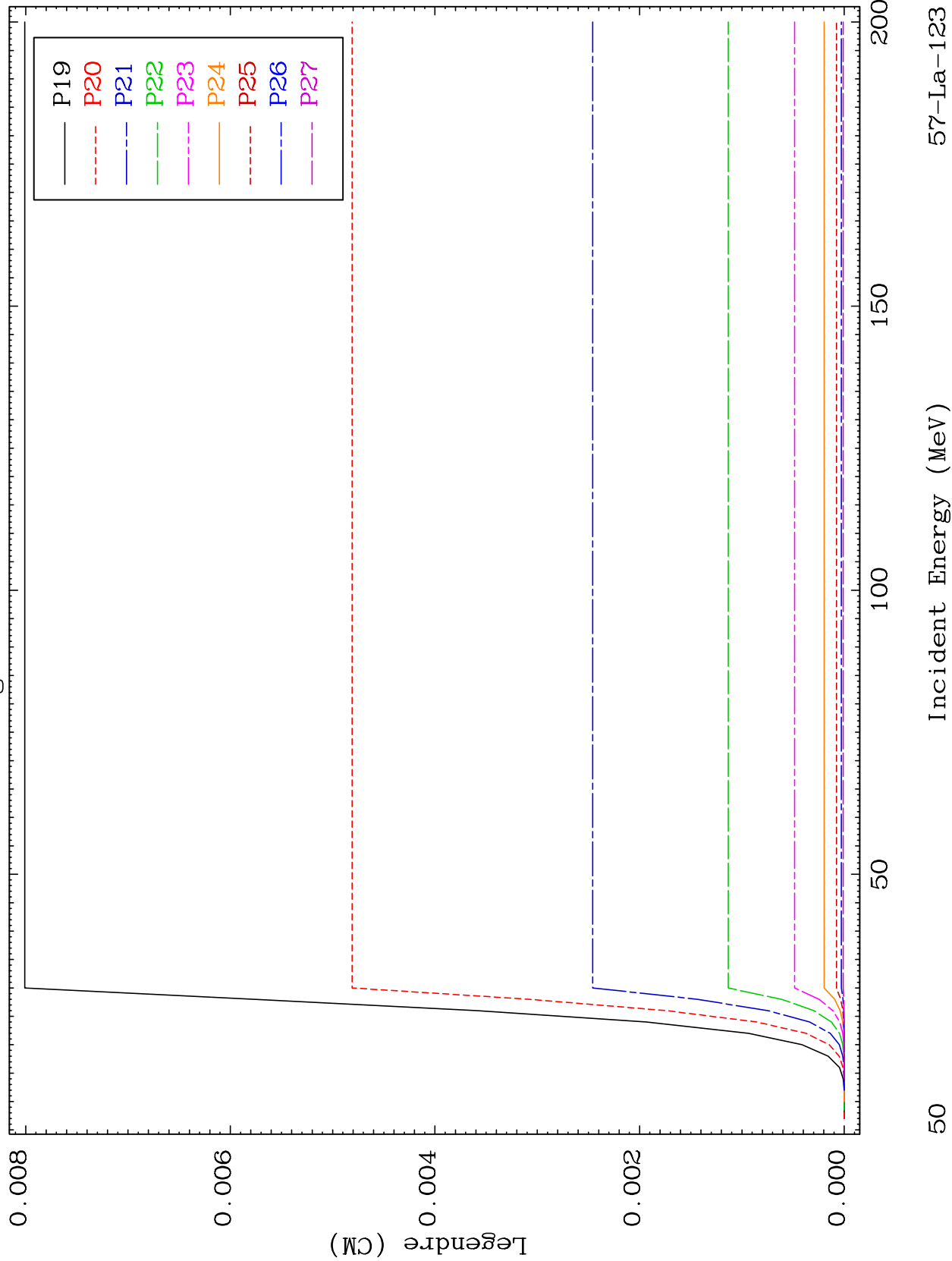
Incident Energy (MeV)

57-La-123

MAT 5680

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

57-La-123



57-La-123

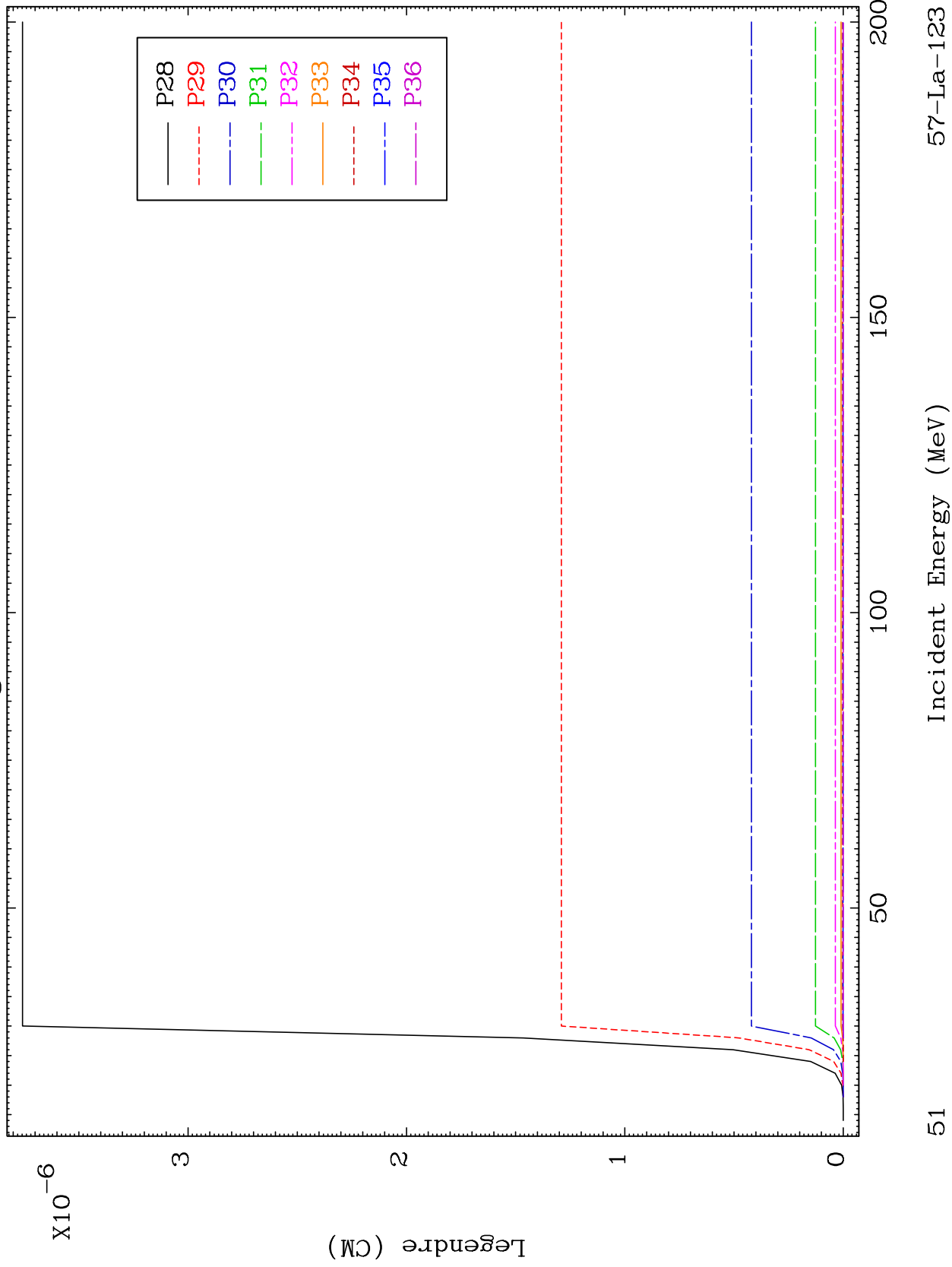
Incident Energy (MeV)

50

MAT 5680

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

57-La-123



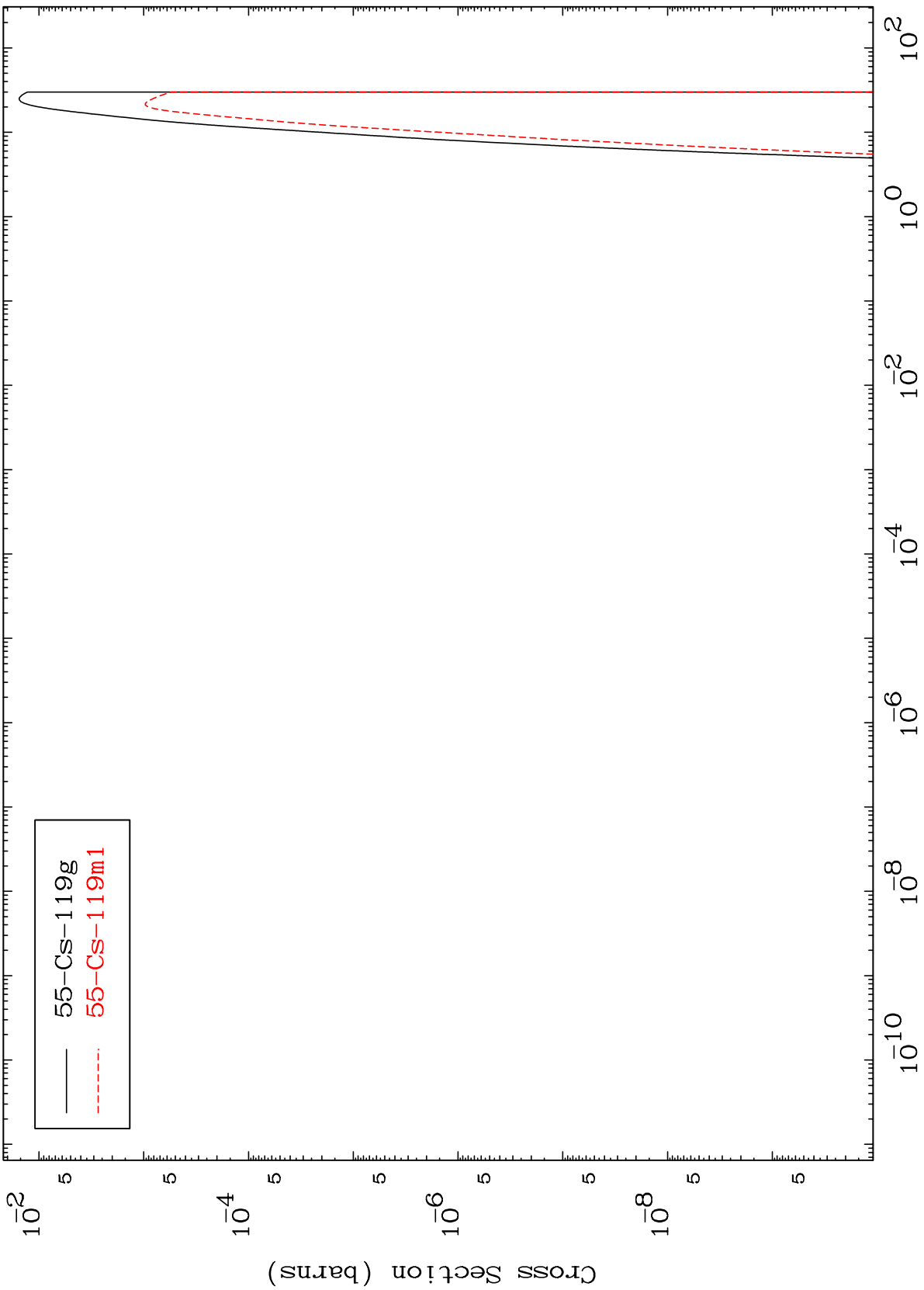
51

MAT 5680

$(n, n') \alpha$

57-La-123

Radionuclide Production Cross Section



52

Incident Energy (MeV)

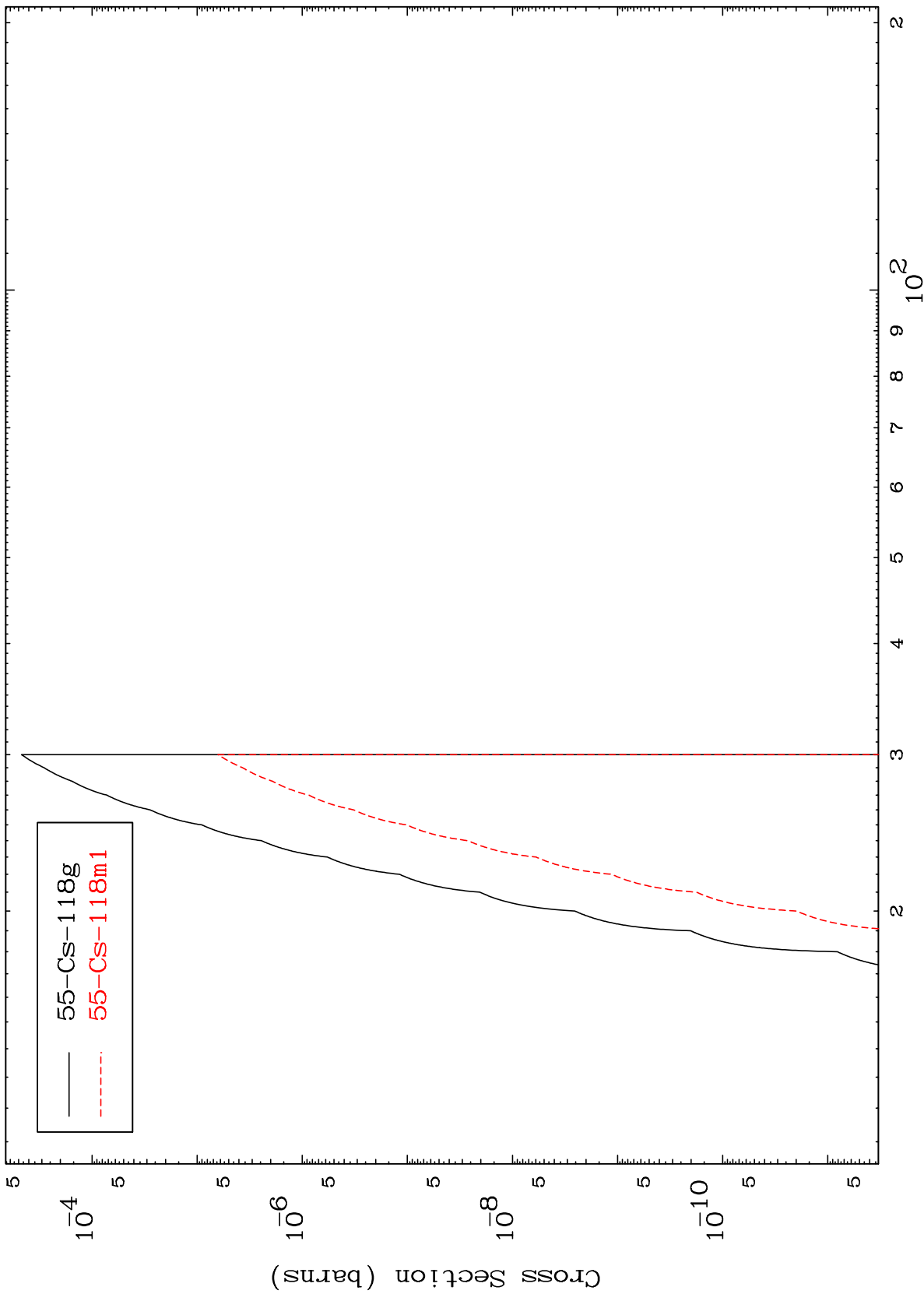
57-La-123

MAT 5680

(n,2n)  $\alpha$

57-La-123

Radionuclide Production Cross Section



53

Incident Energy (MeV)

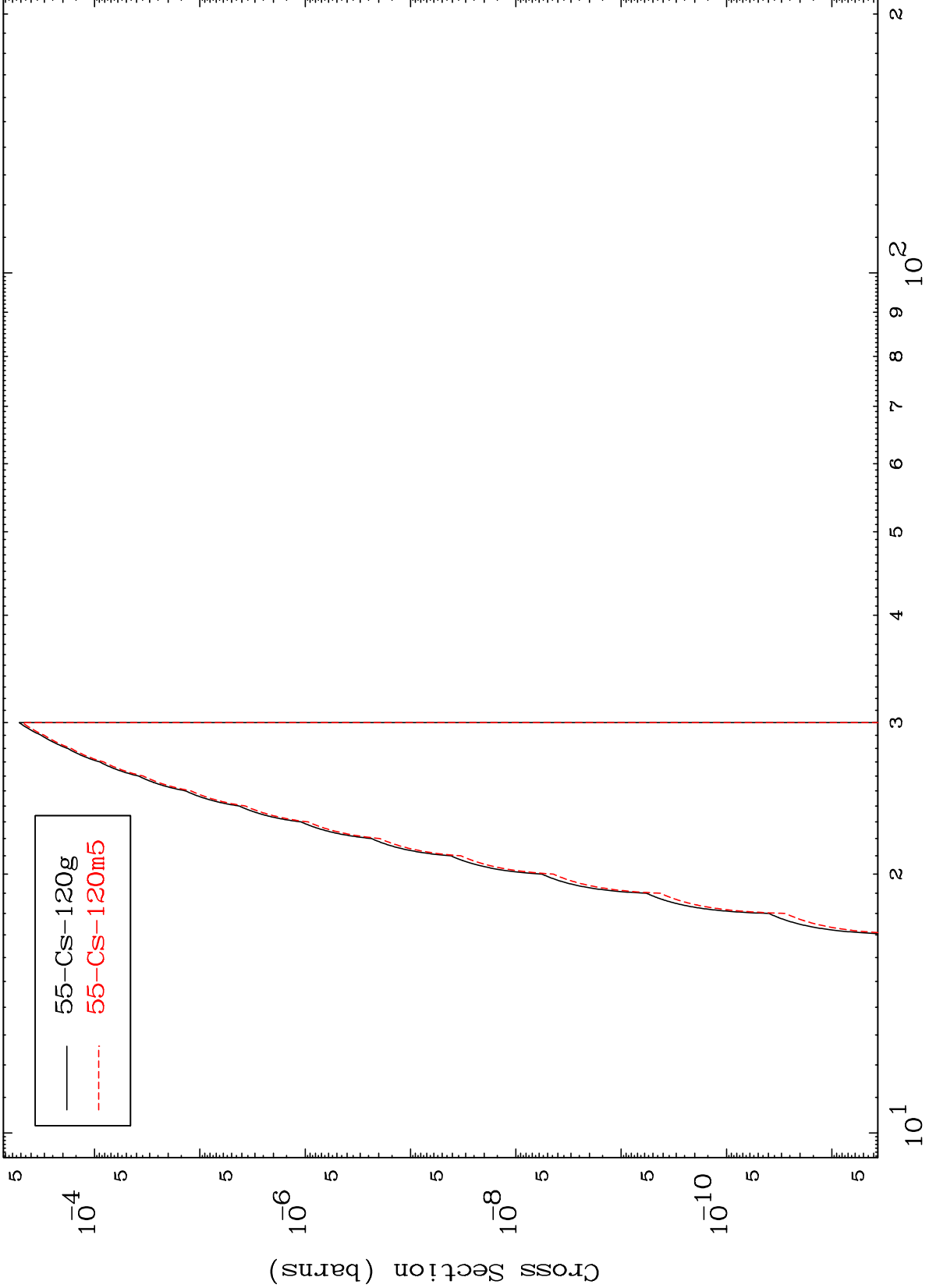
57-La-123

MAT 5680

(n,n') He-3

57-La-123

Radionuclide Production Cross Section



55-Cs-120g  
55-Cs-120m5

54

Incident Energy (MeV)

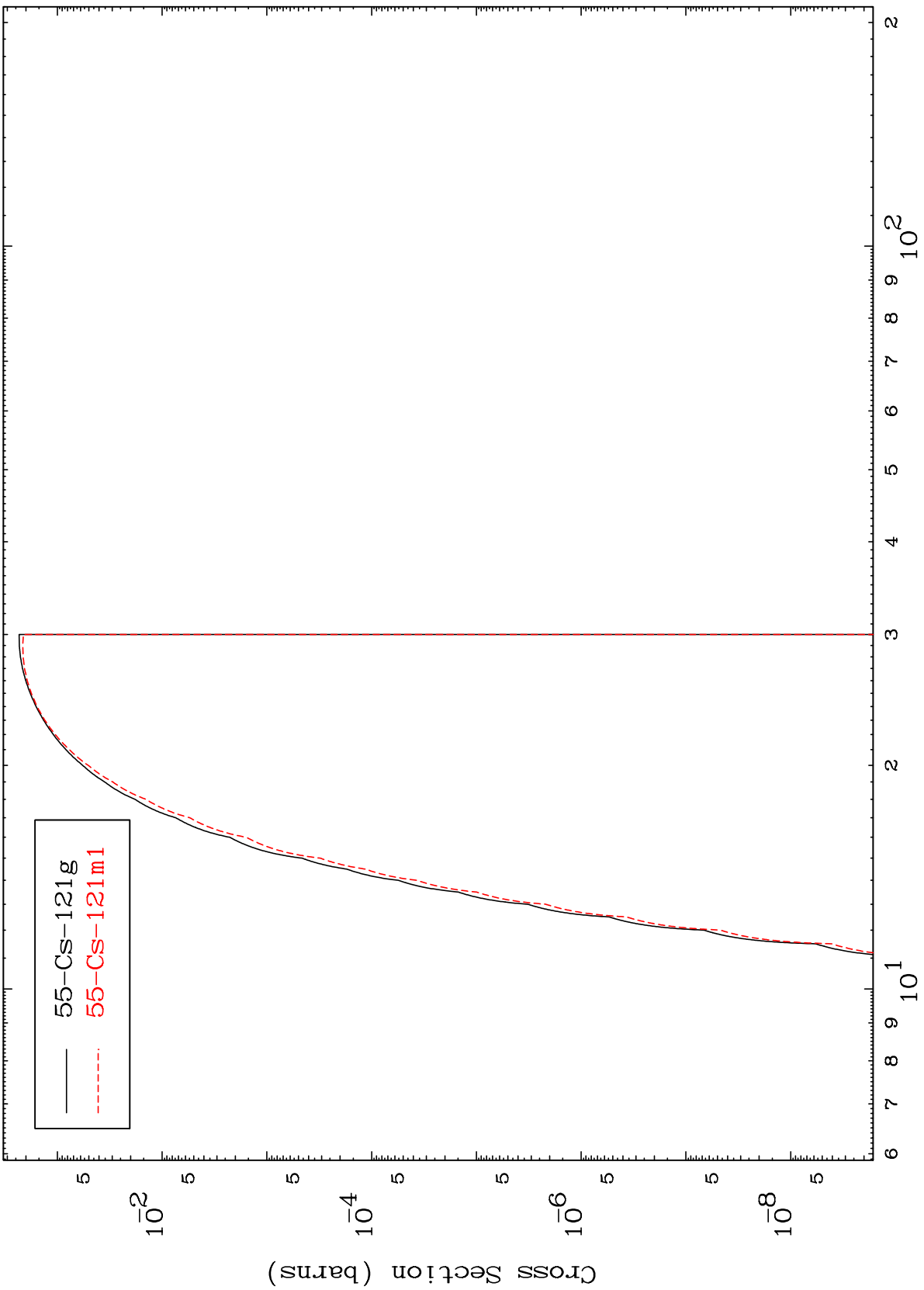
57-La-123

MAT 5680

(n,2n) p

57-La-123

Radionuclide Production Cross Section



55

Incident Energy (MeV)

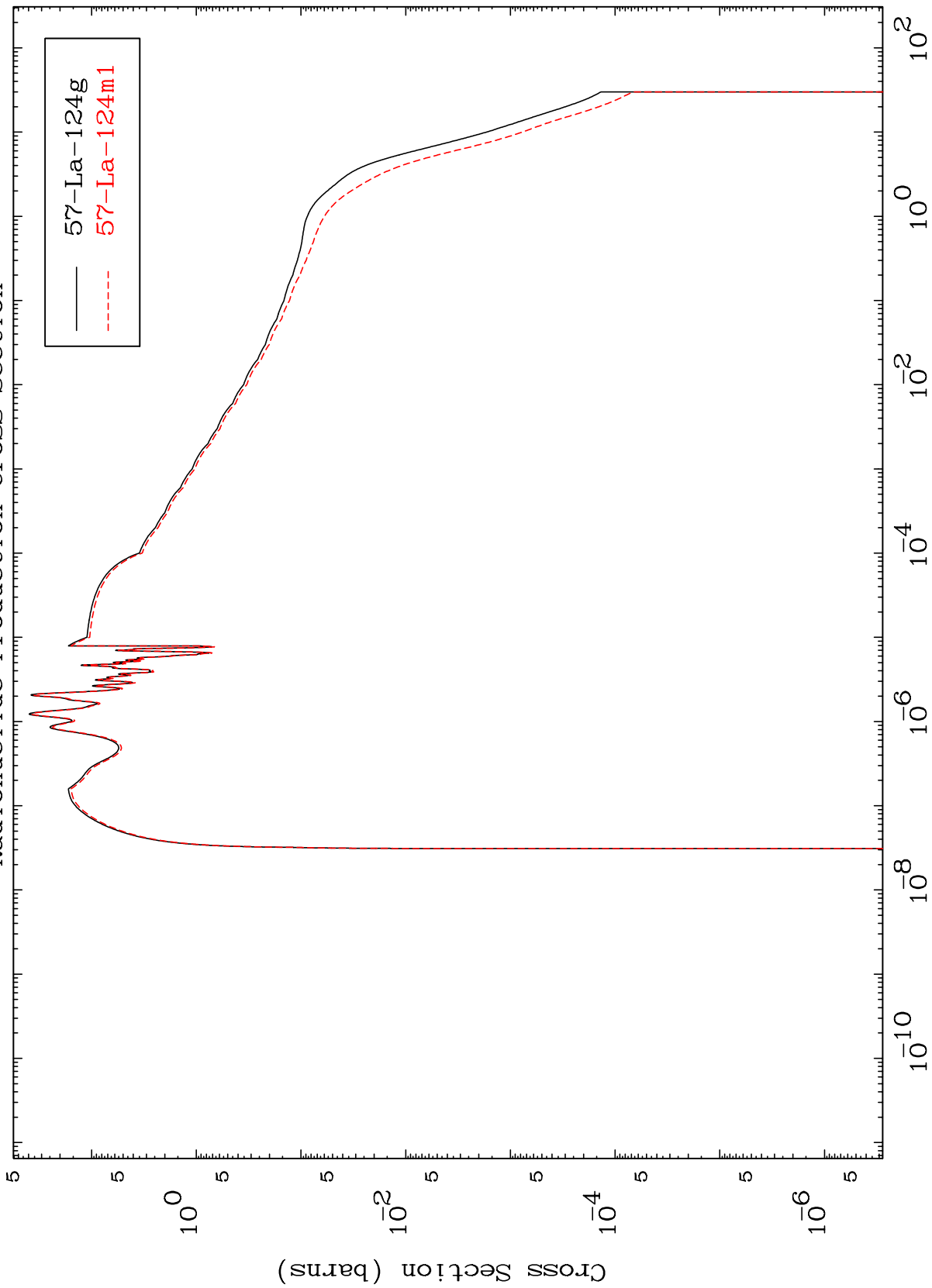
57-La-123



MAT 5680

57-La-123

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



56

57-La-123

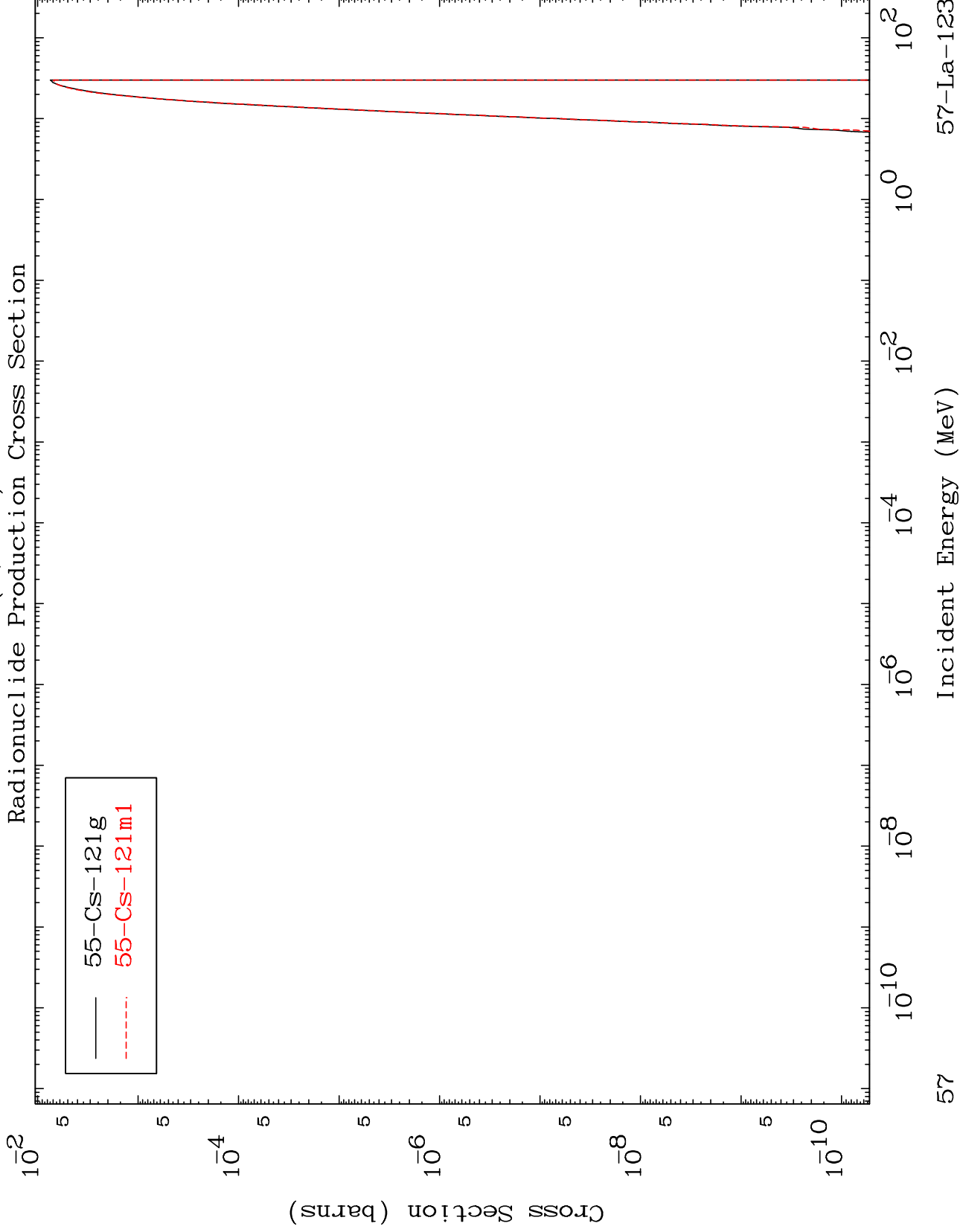
Incident Energy (MeV)

MAT 5680

(n,He-3)

57-La-123

Radionuclide Production Cross Section



55-Cs-121g  
55-Cs-121m1

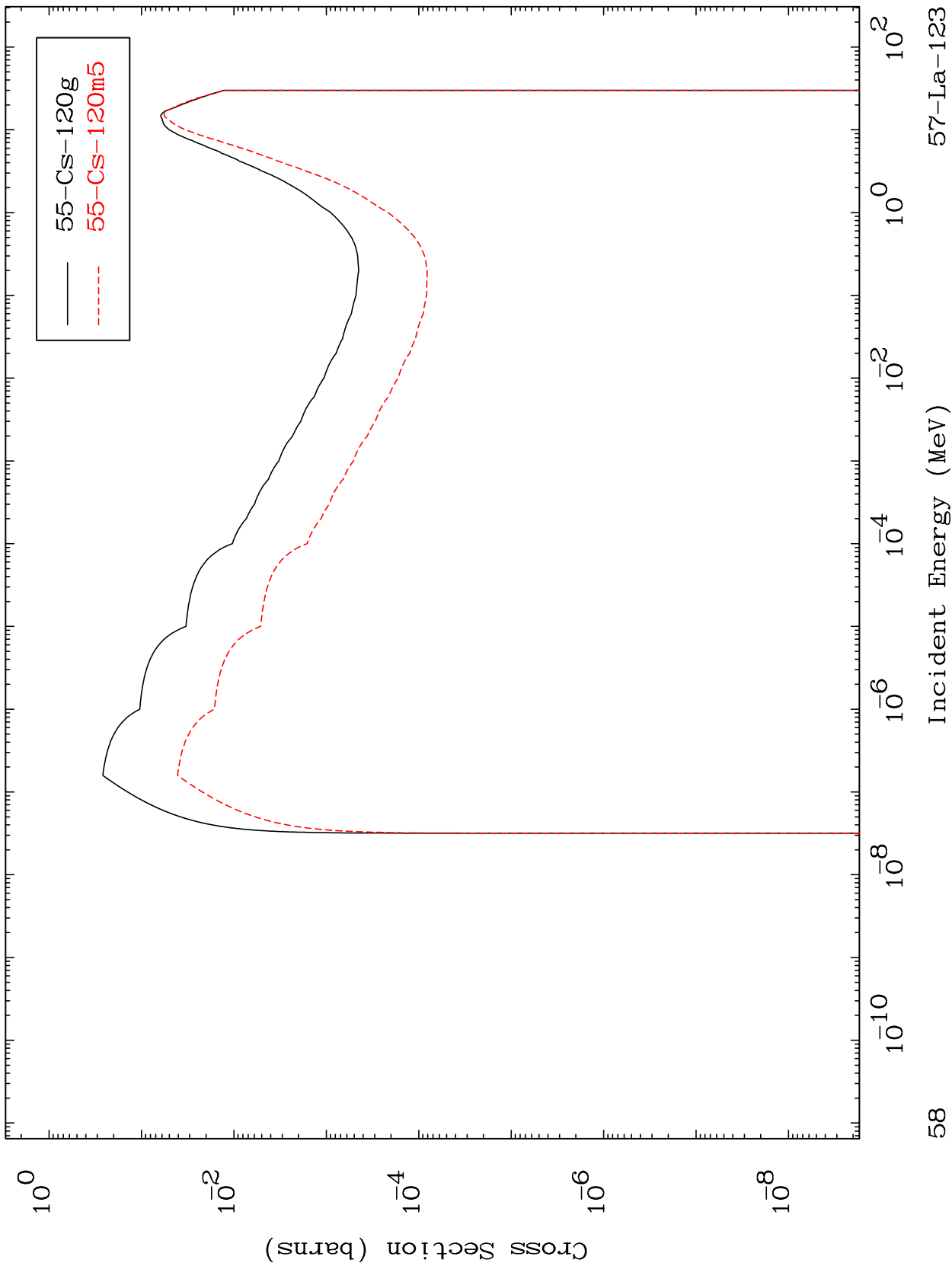
57

57-La-123

MAT 5680

57-La-123

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



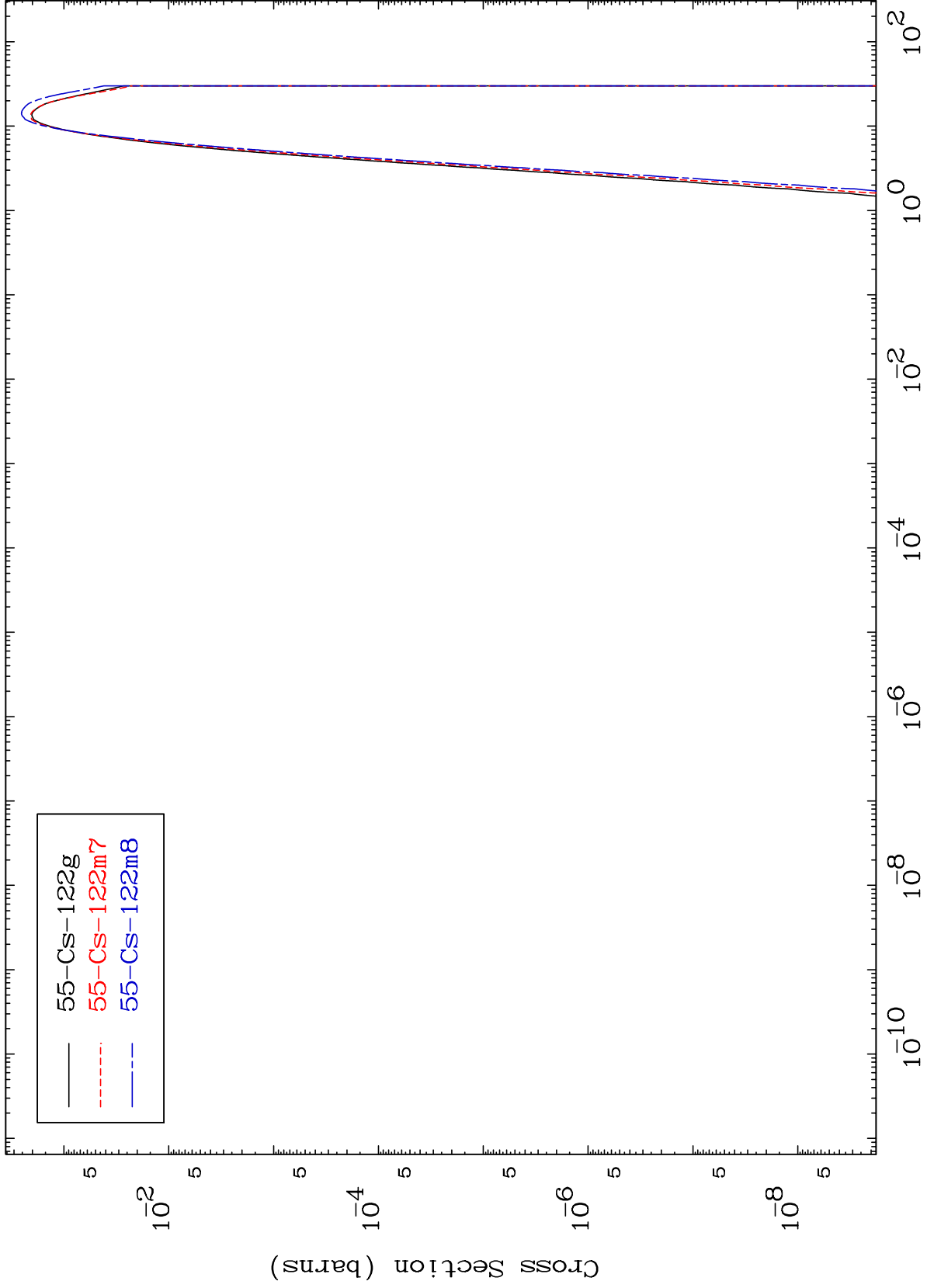
58

57-La-123

MAT 5680

57-La-123

(n,2p)  
Radionuclide Production Cross Section



59

57-La-123

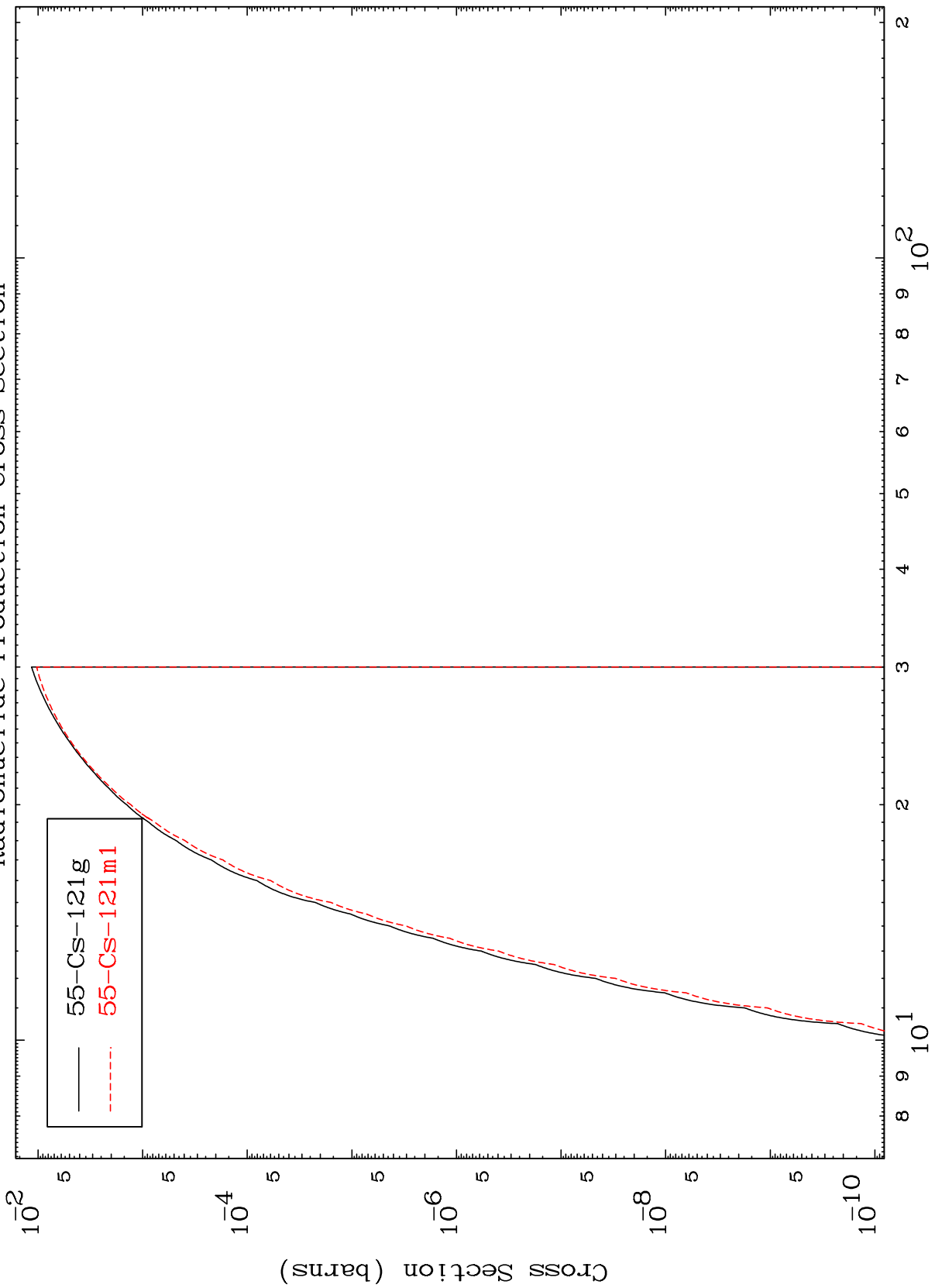
Incident Energy (MeV)

MAT 5680

(n,p) d

57-La-123

Radionuclide Production Cross Section



60

Incident Energy (MeV)

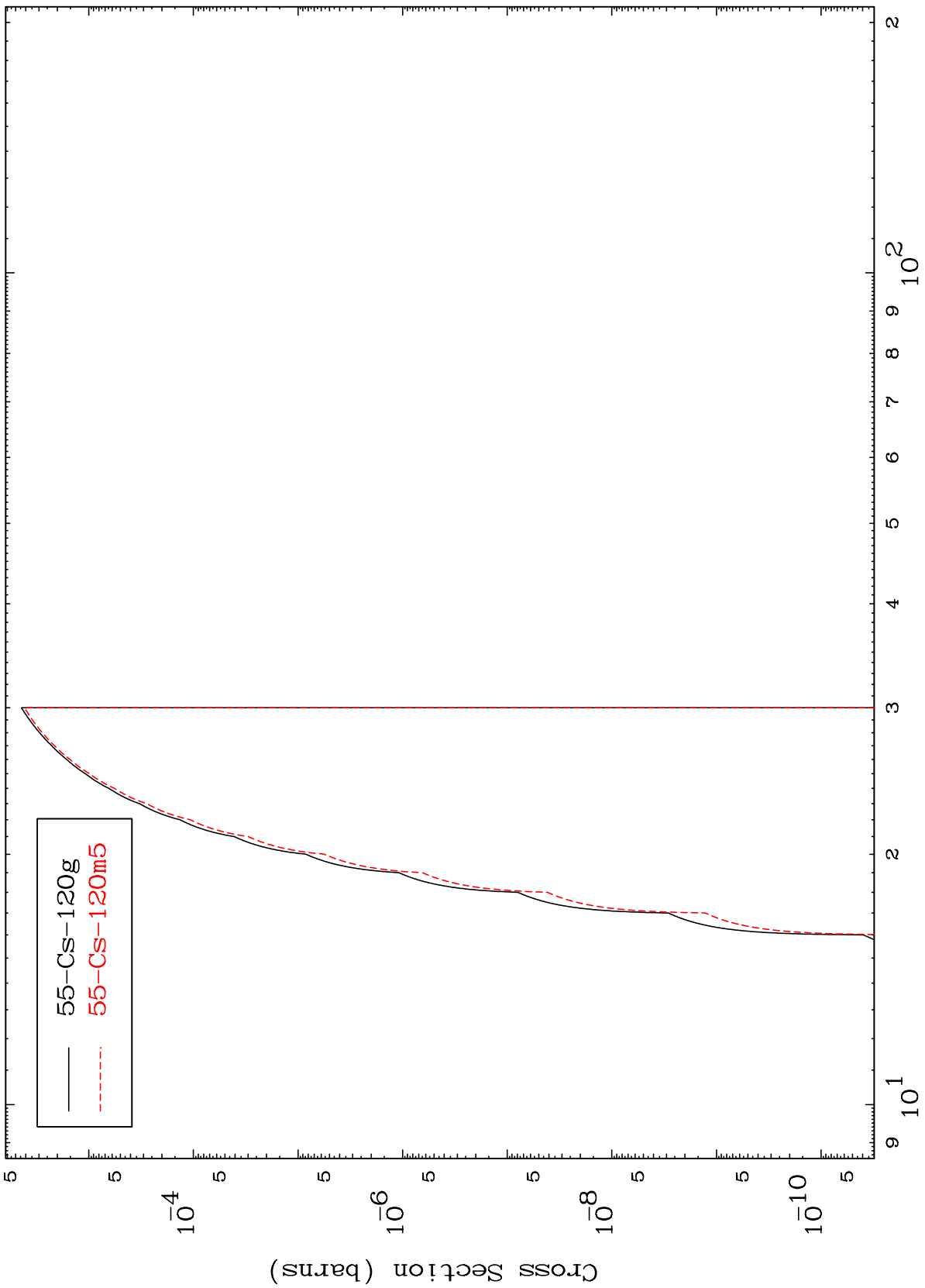
57-La-123

MAT 5680

(n,p) t

57-La-123

Radionuclide Production Cross Section



61

Incident Energy (MeV)

57-La-123