

Program EVALPLOT  
(Version 2017-1)

by

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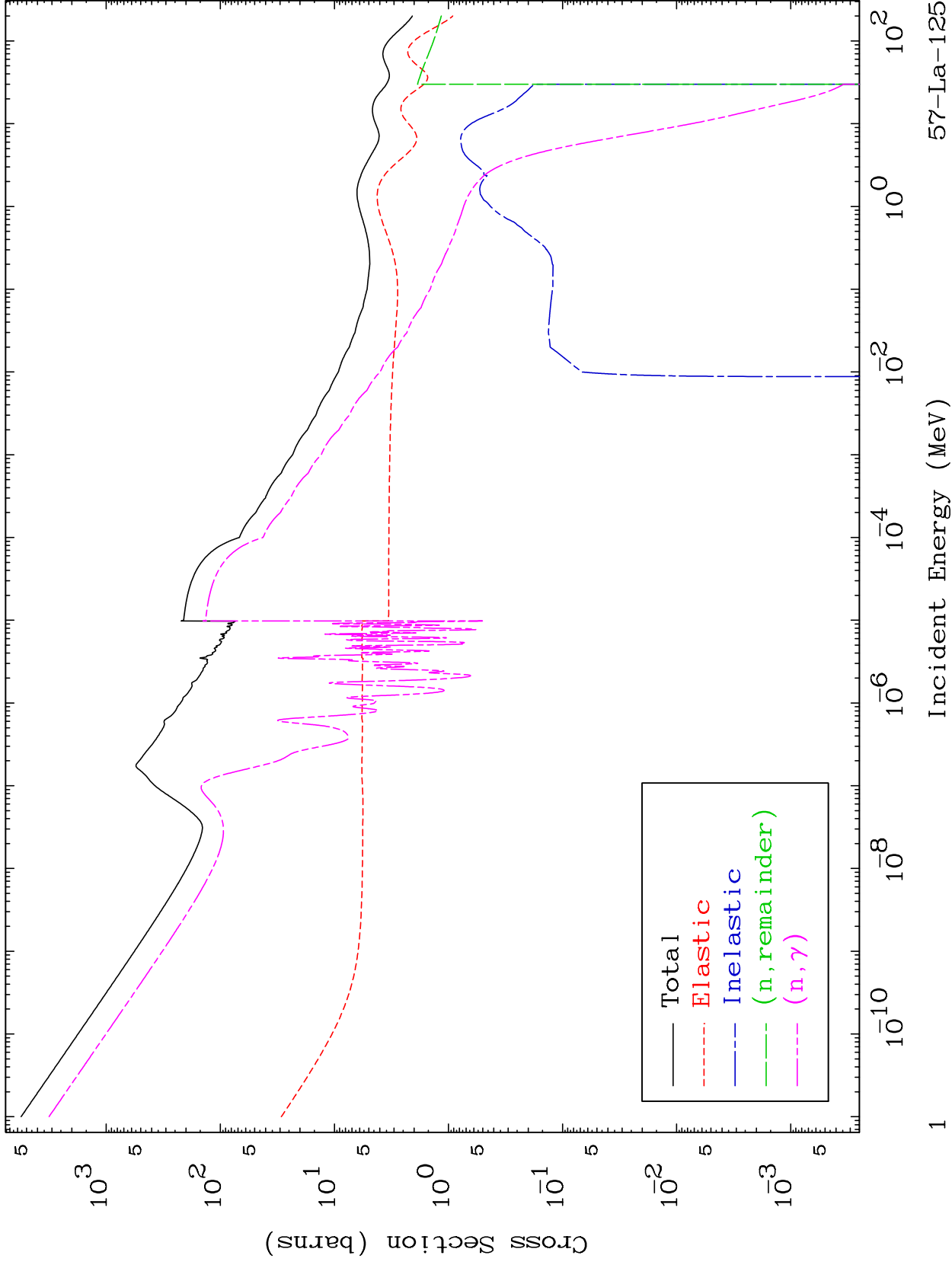
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5686

Major  
293 Kelvin Cross Sections

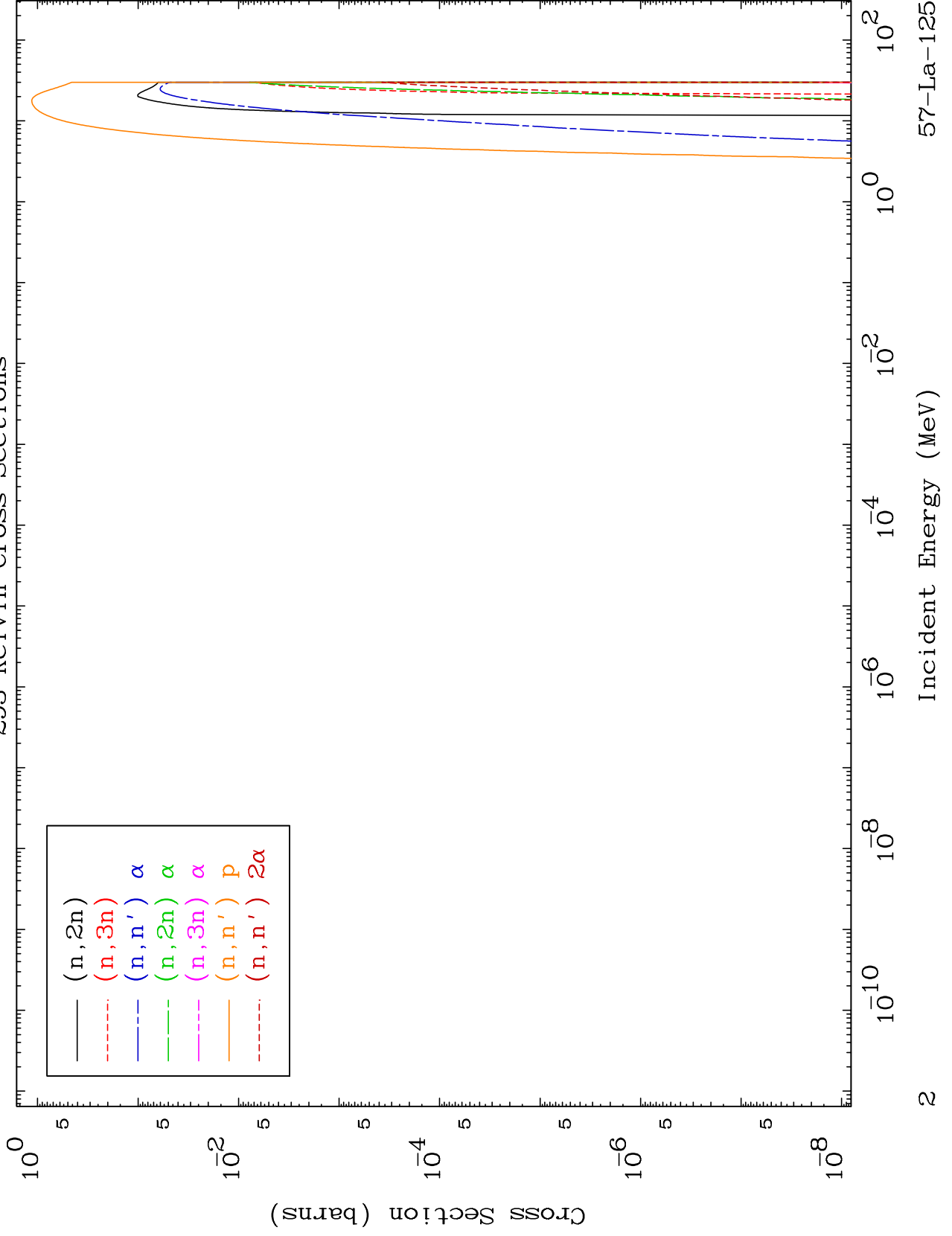
57-La-125



MAT 5686

Neutron Production  
293 Kelvin Cross Sections

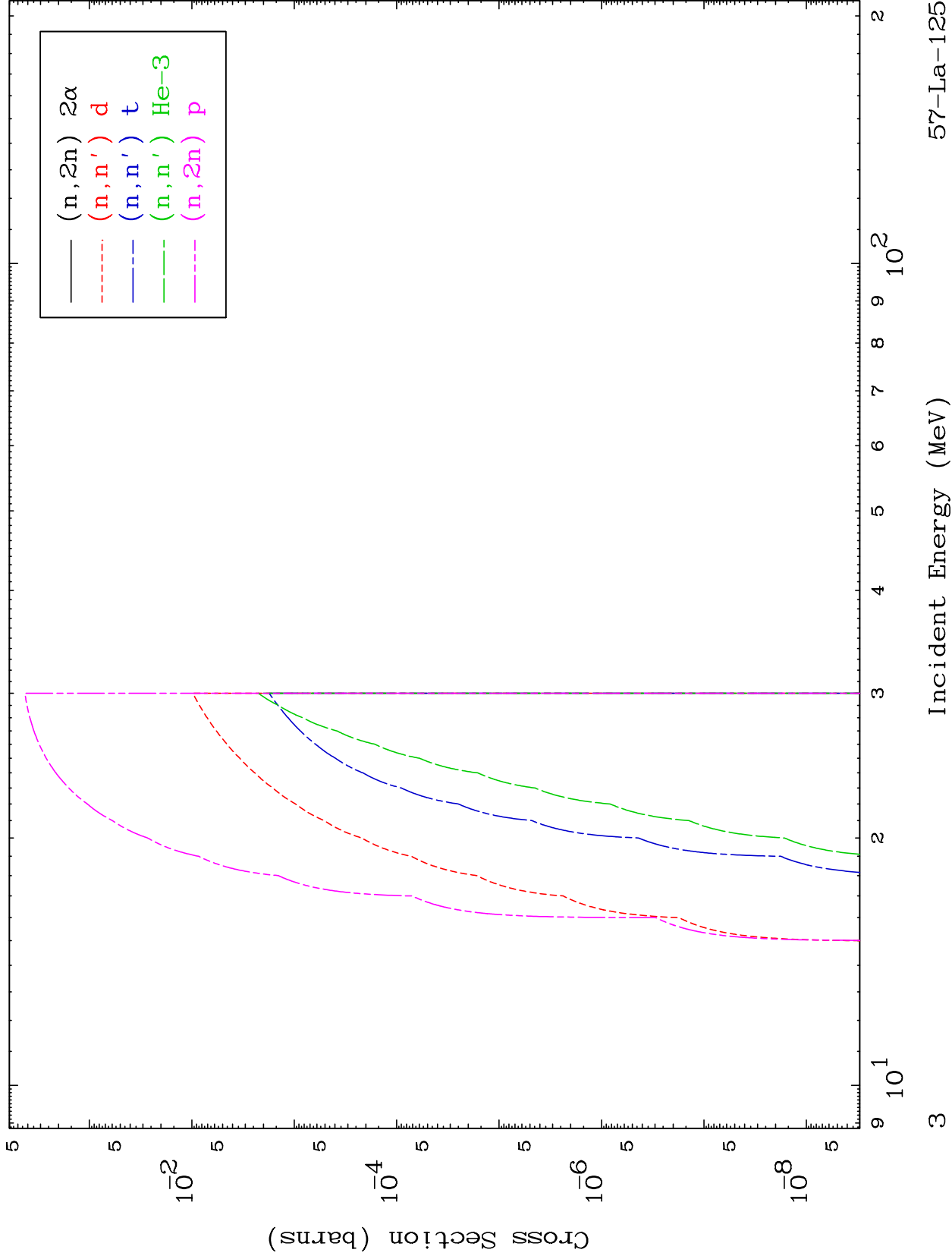
57-La-125



MAT 5686

Neutron Production  
293 Kelvin Cross Sections

57-La-125

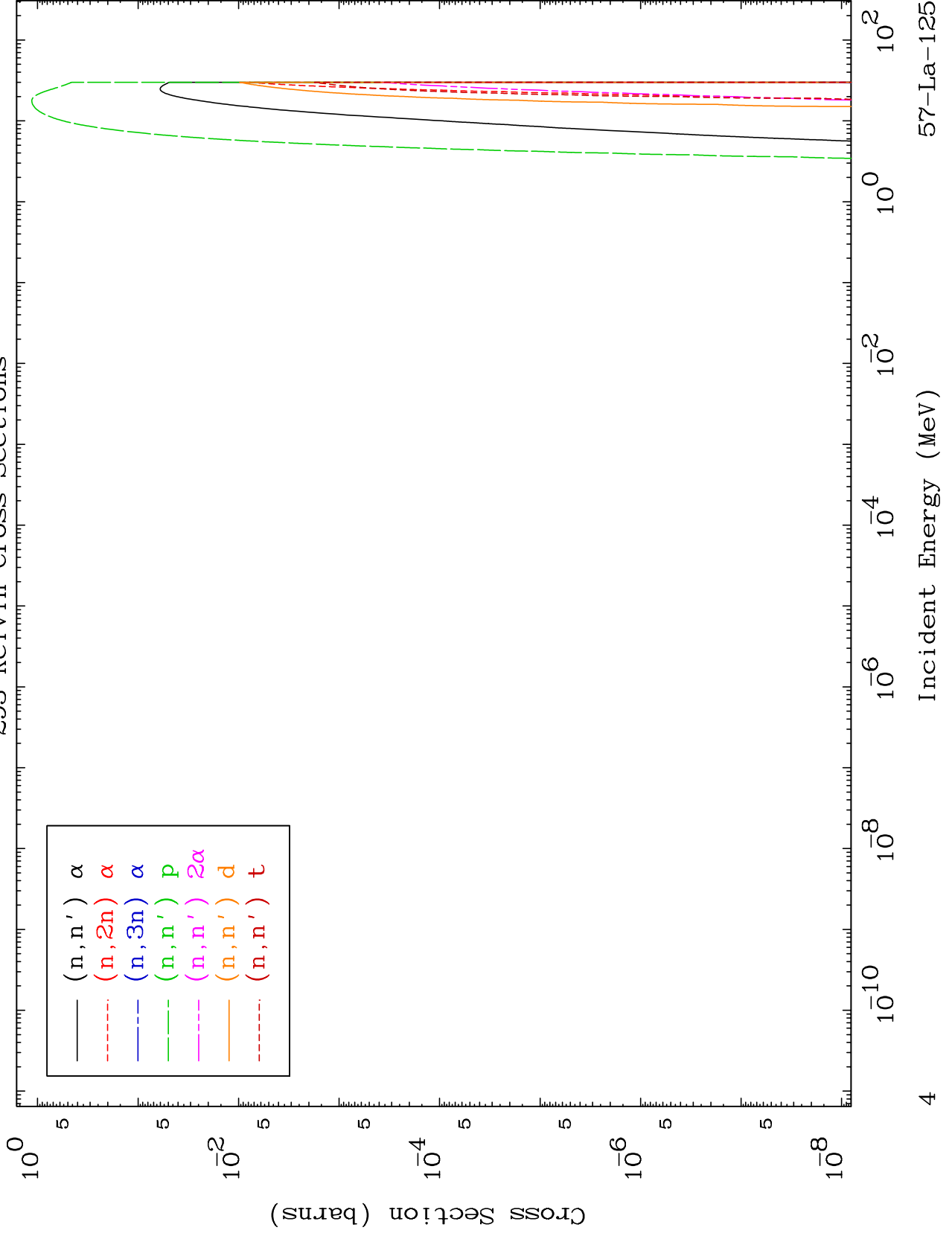


57-La-125

MAT 5686

Charged Particle  
293 Kelvin Cross Sections

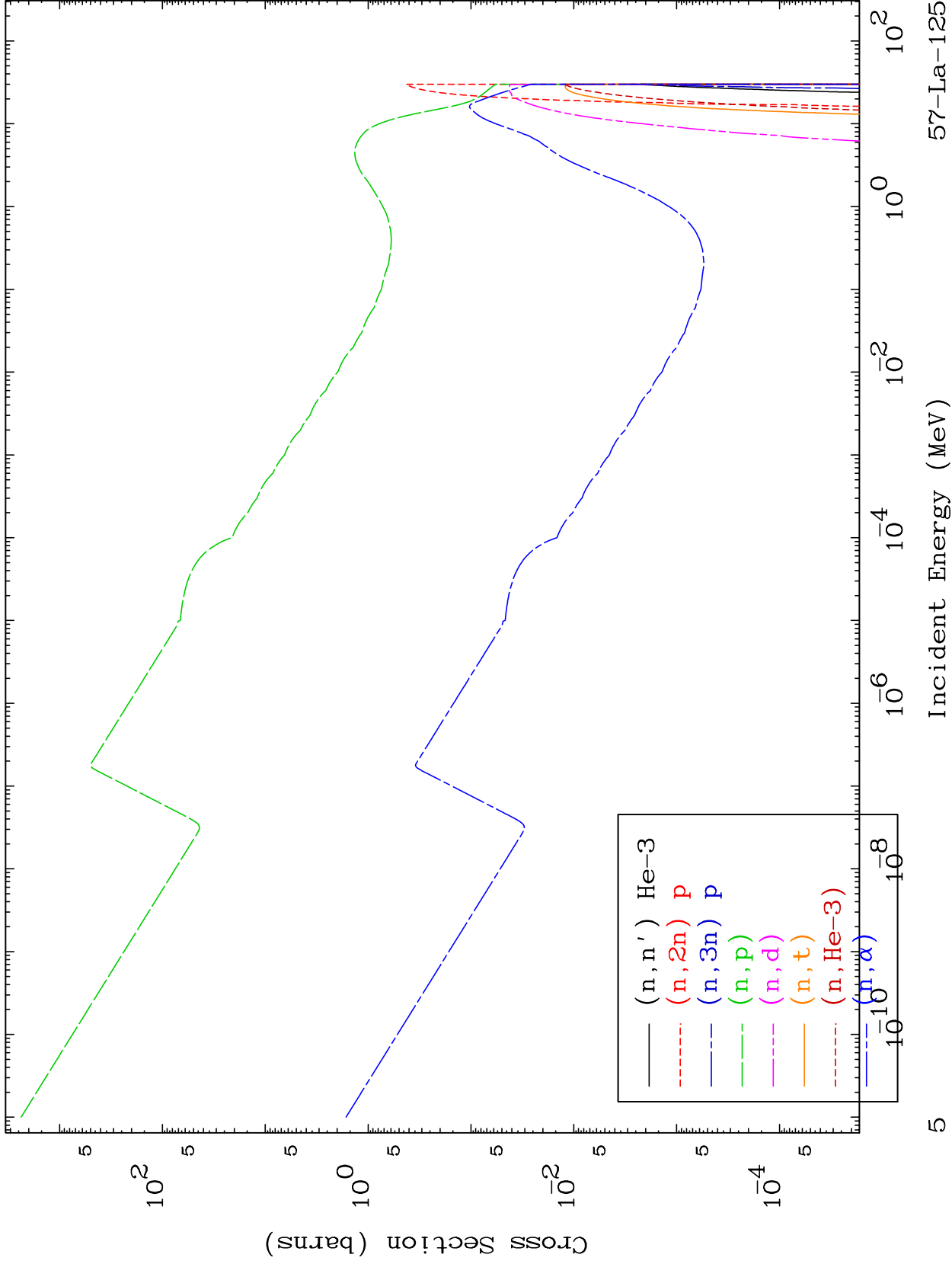
57-La-125



MAT 5686

Charged Particle  
293 Kelvin Cross Sections

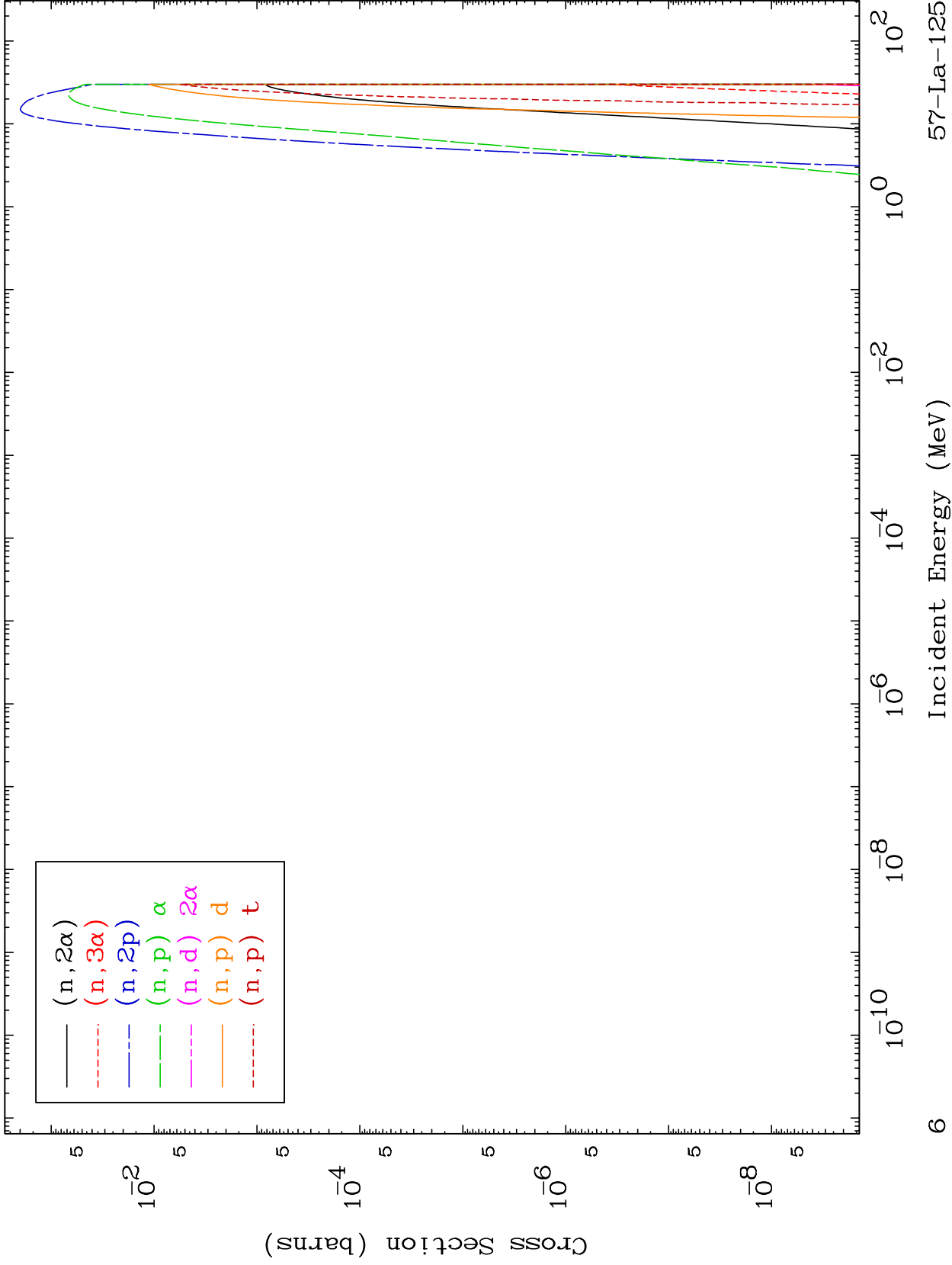
57-La-125



MAT 5686

Charged Particle  
293 Kelvin Cross Sections

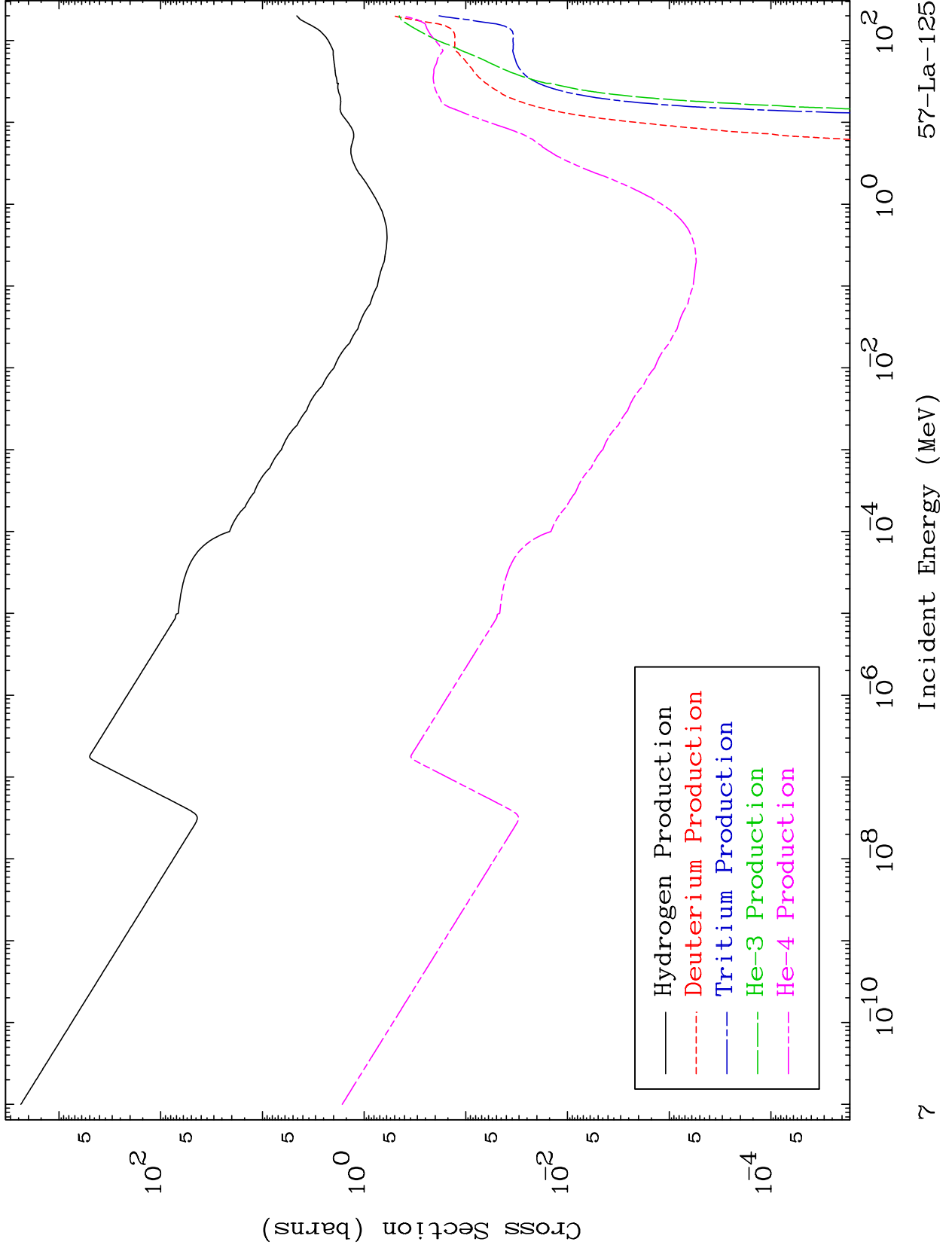
57-La-125



MAT 5686

Particle Production  
293 Kelvin Cross Sections

57-La-125

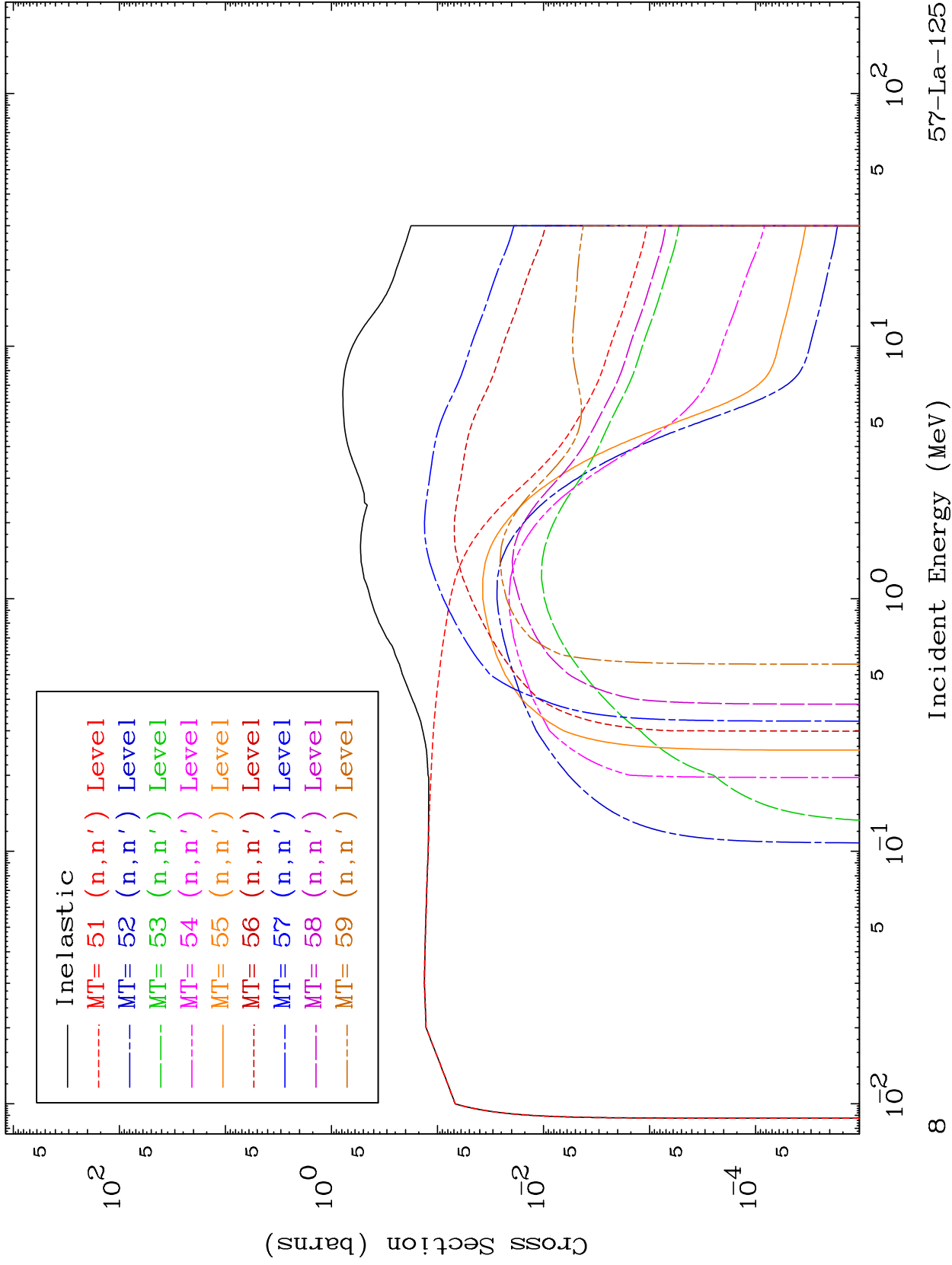




MAT 5686

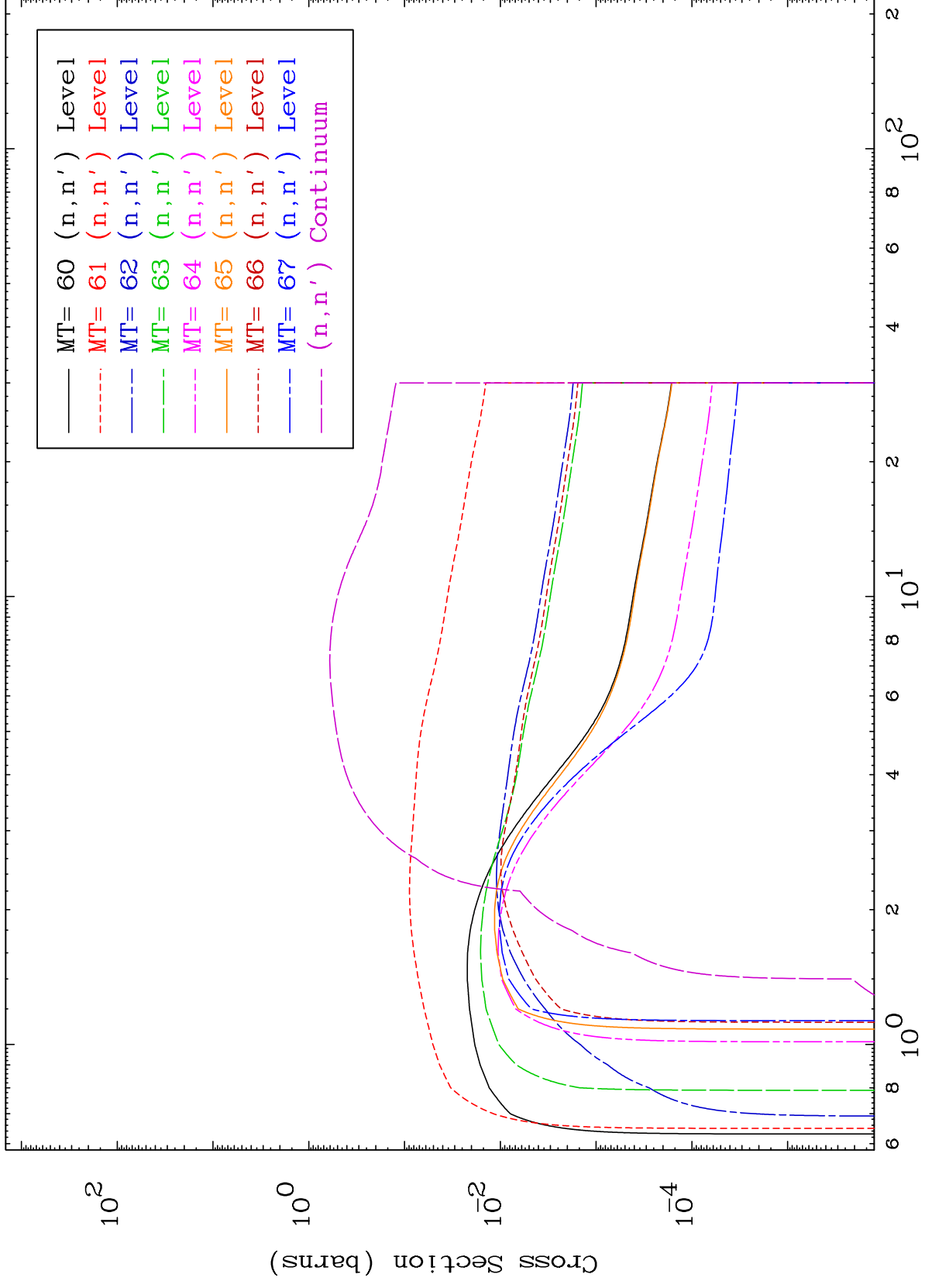
(n,n') Level  
293 Kelvin Cross Sections

57-La-125



8

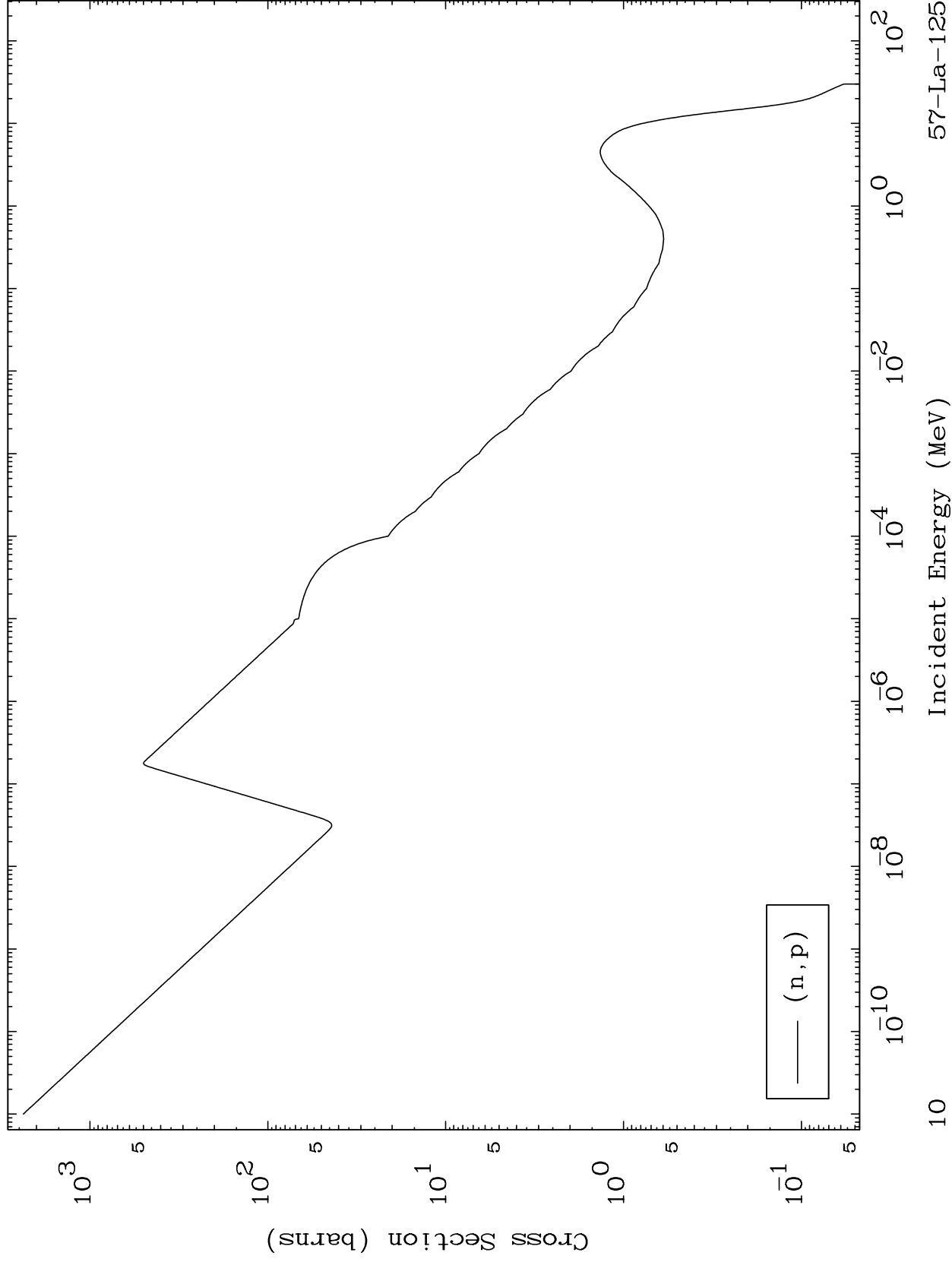
293 Kelvin Cross Sections



MAT 5686

(n,p) Levels  
293 Kelvin Cross Sections

57-La-125

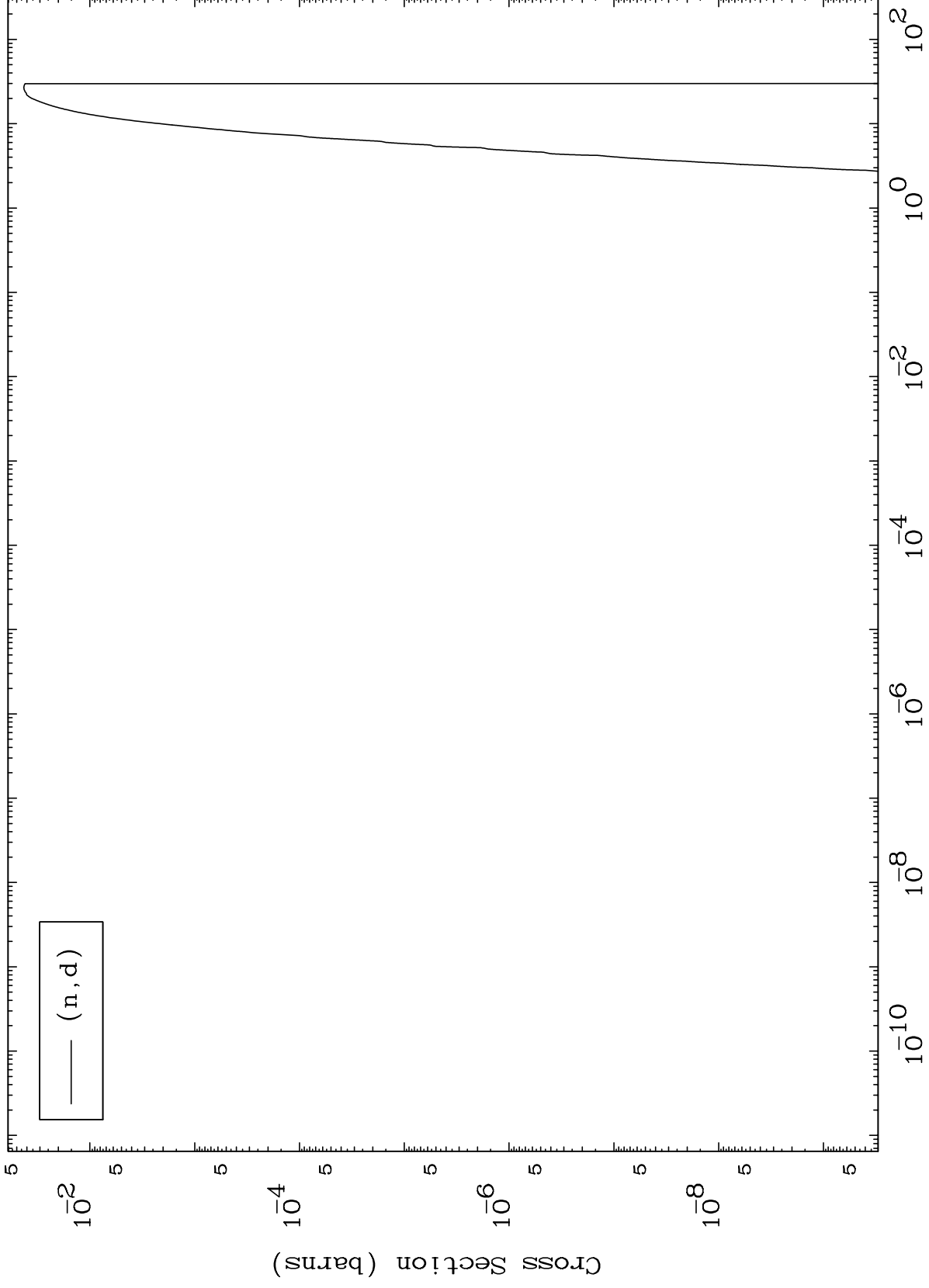


57-La-125

MAT 5686

(n,d) Levels  
293 Kelvin Cross Sections

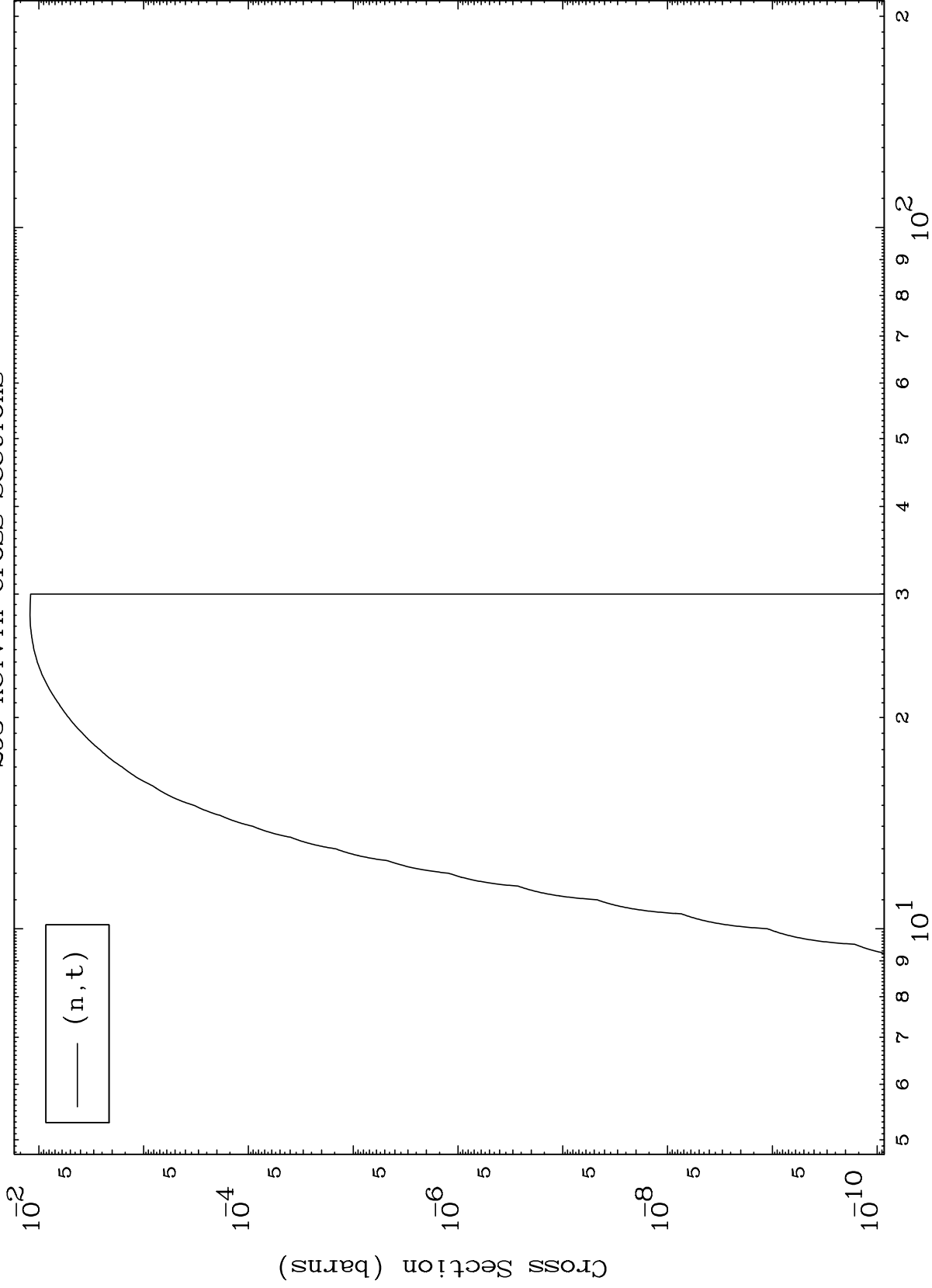
57-La-125



MAT 5686

(n,t) Levels  
293 Kelvin Cross Sections

57-La-125



12

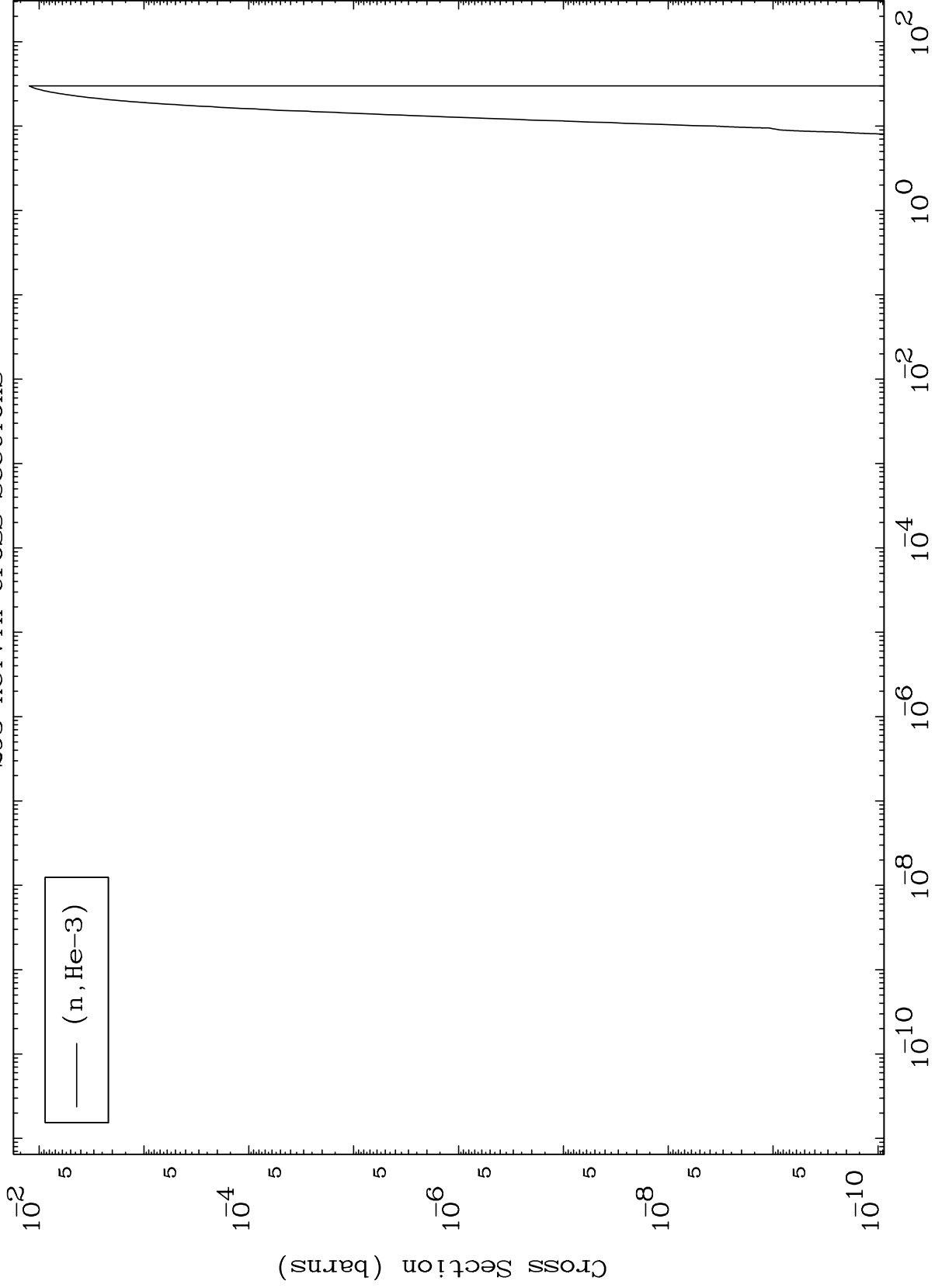
Incident Energy (MeV)

57-La-125

MAT 5686

(n,He3) Levels  
293 Kelvin Cross Sections

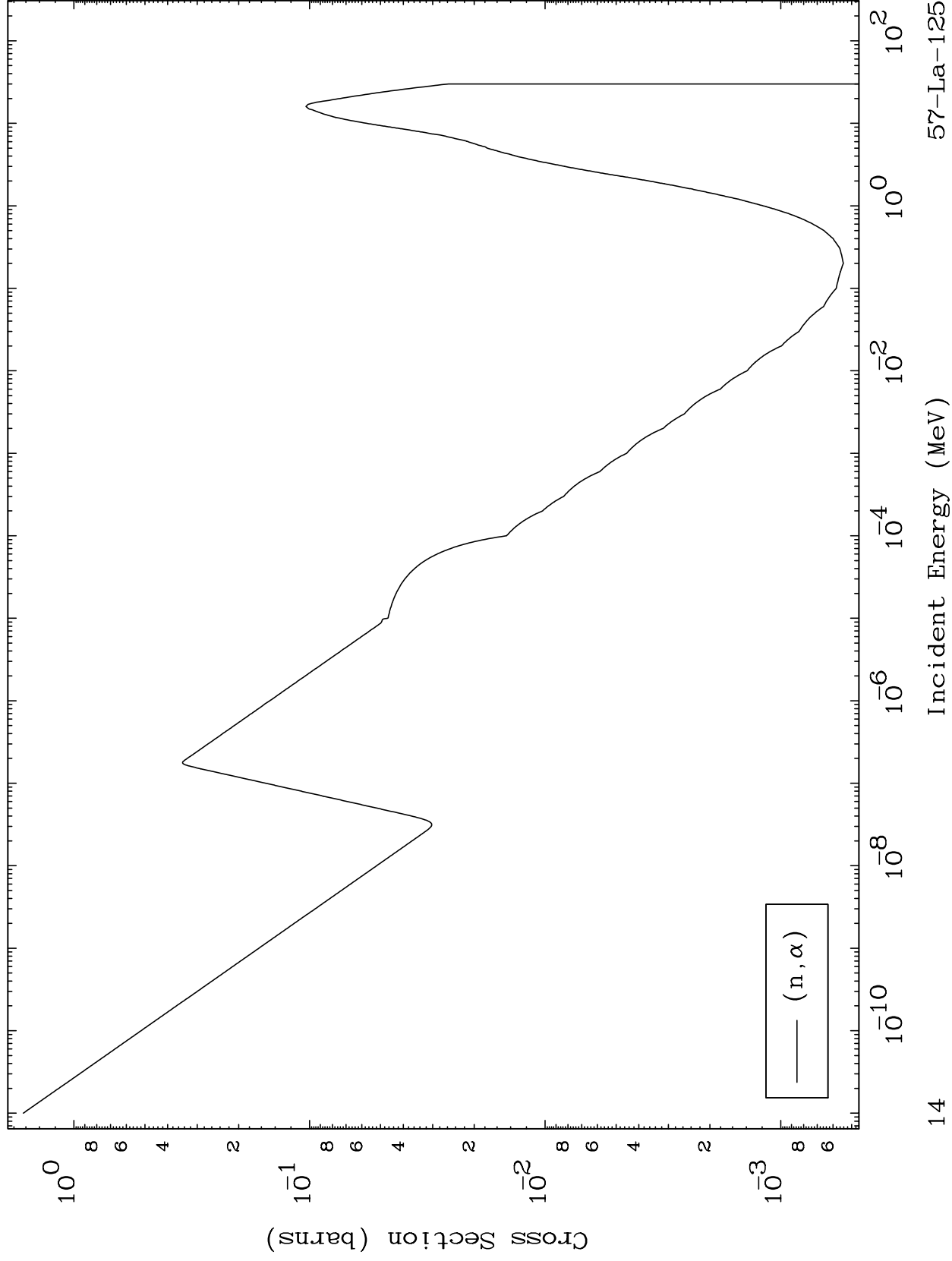
57-La-125



MAT 5686

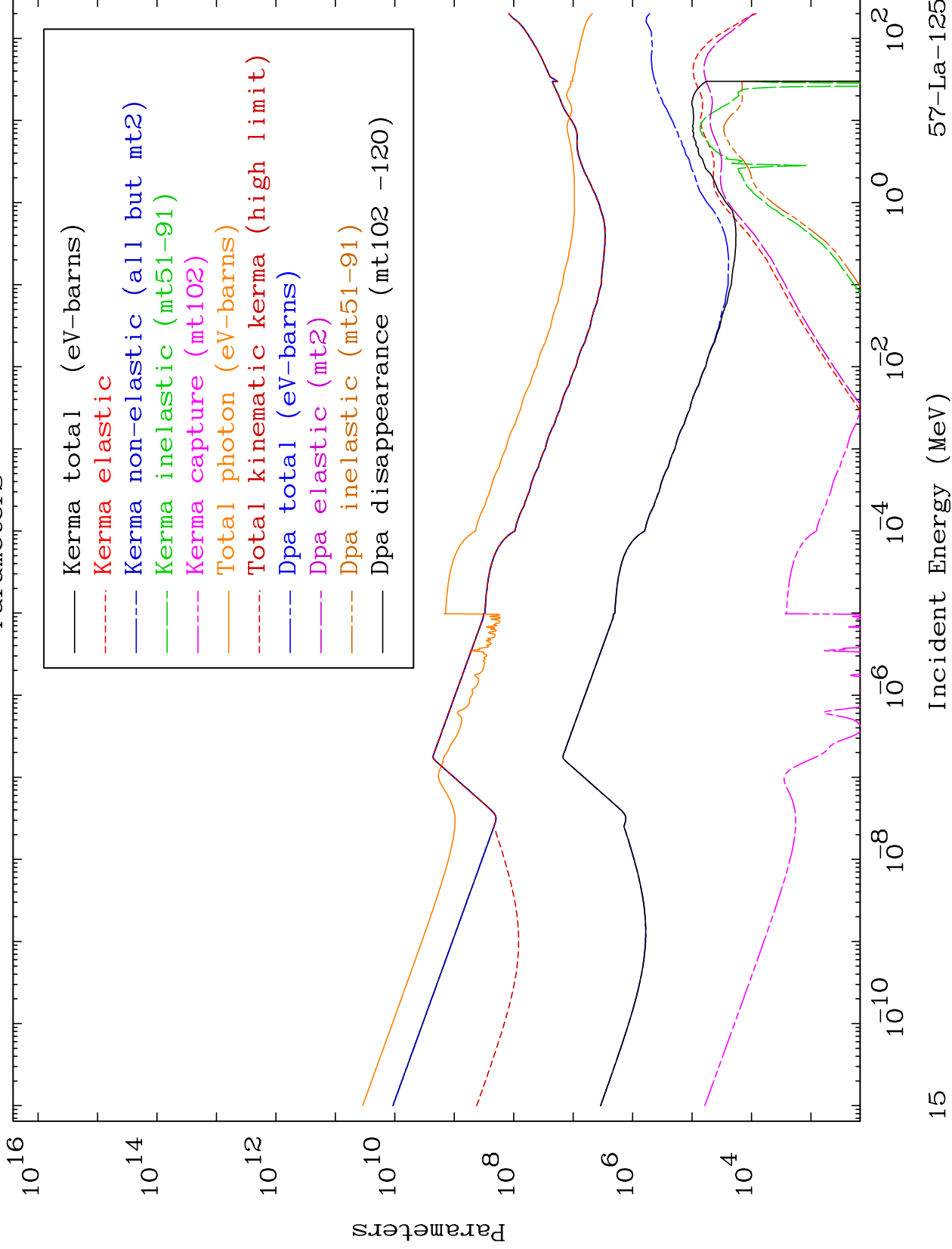
(n,α) Levels  
293 Kelvin Cross Sections

57-La-125



14

57-La-125

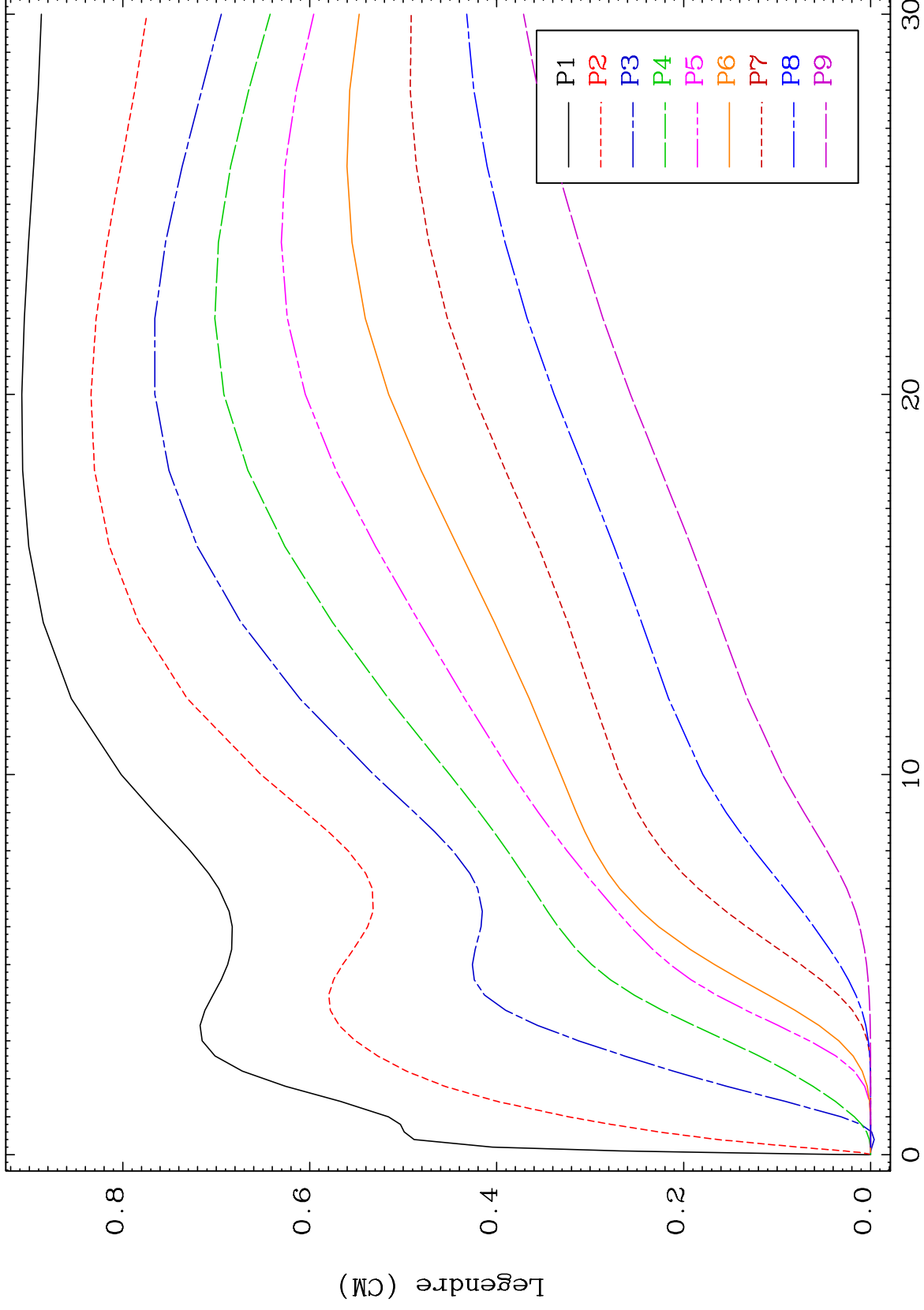




MAT 5686

Elastic Legendre Coefficients

57-La-125



16

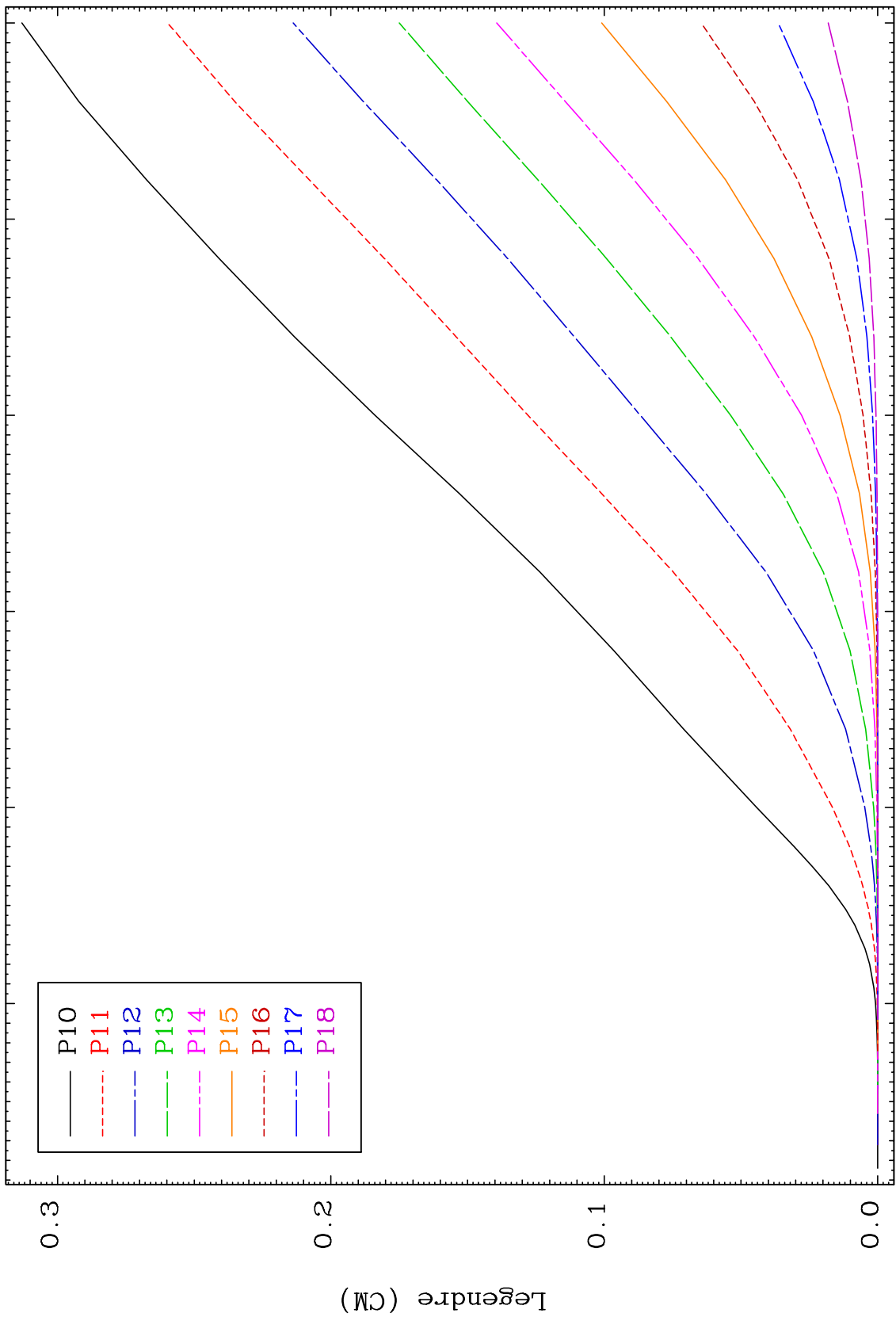
Incident Energy (MeV)

57-La-125

MAT 5686

Elastic Legendre Coefficients

57-La-125



17

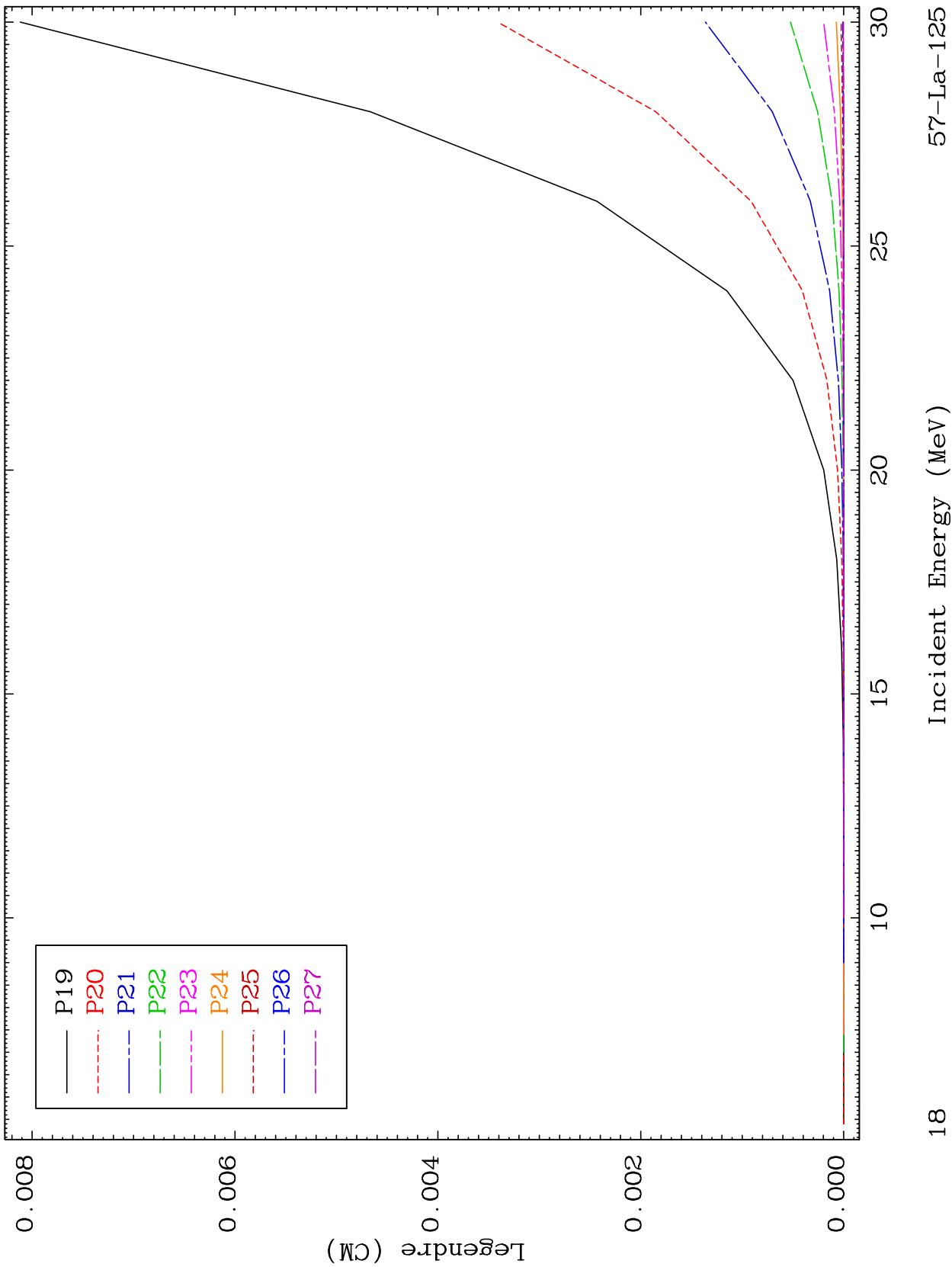
Incident Energy (MeV)

57-La-125

MAT 5686

Elastic Legendre Coefficients

57-La-125



18

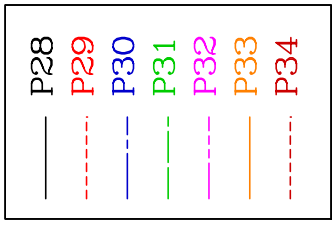
Incident Energy (MeV)

57-La-125

MAT 5686

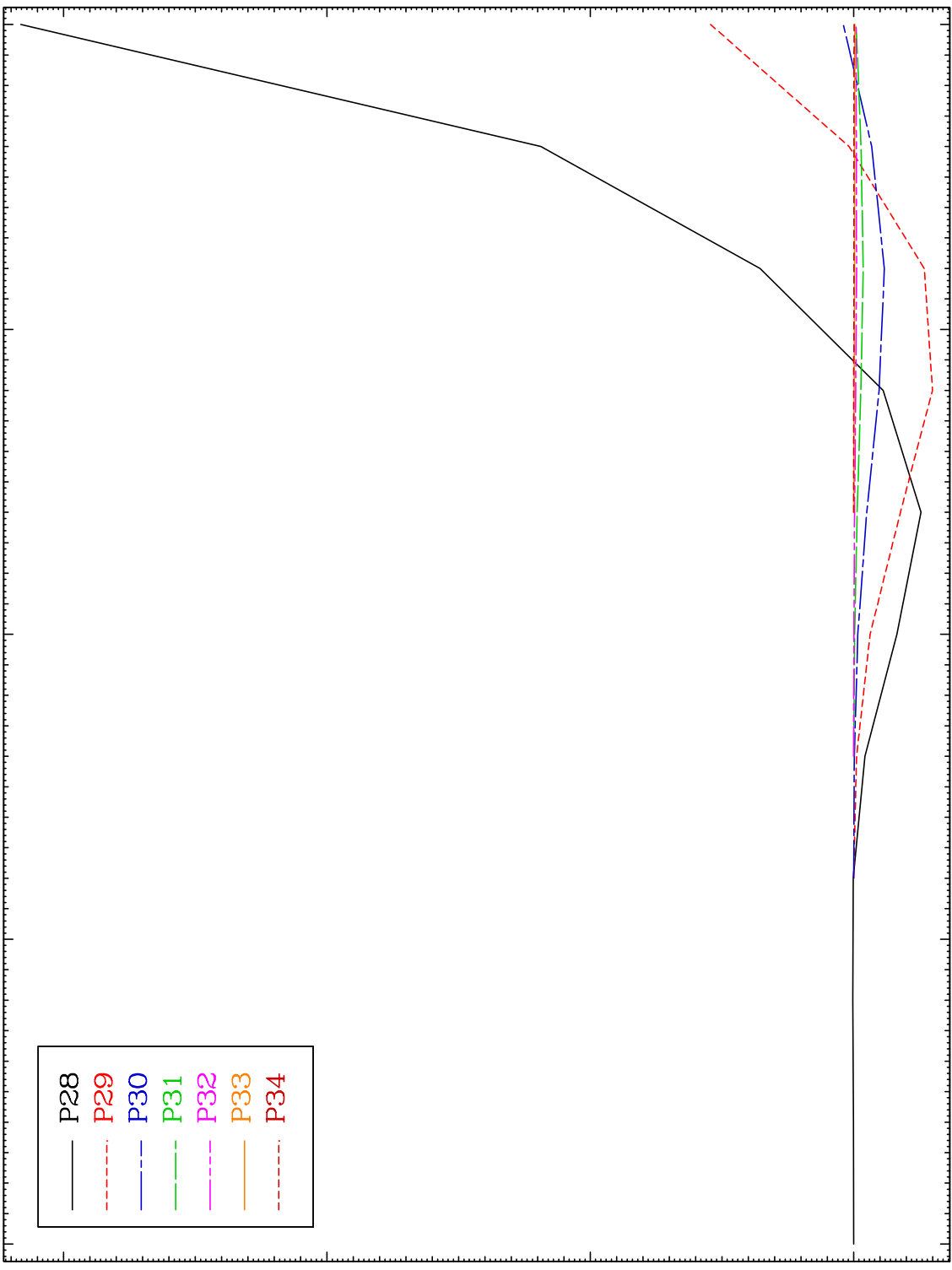
Elastic Legendre Coefficients

57-La-125



$\times 10^{-6}$

Legendre (CM)



30

25

20

15

10

Incident Energy (MeV)

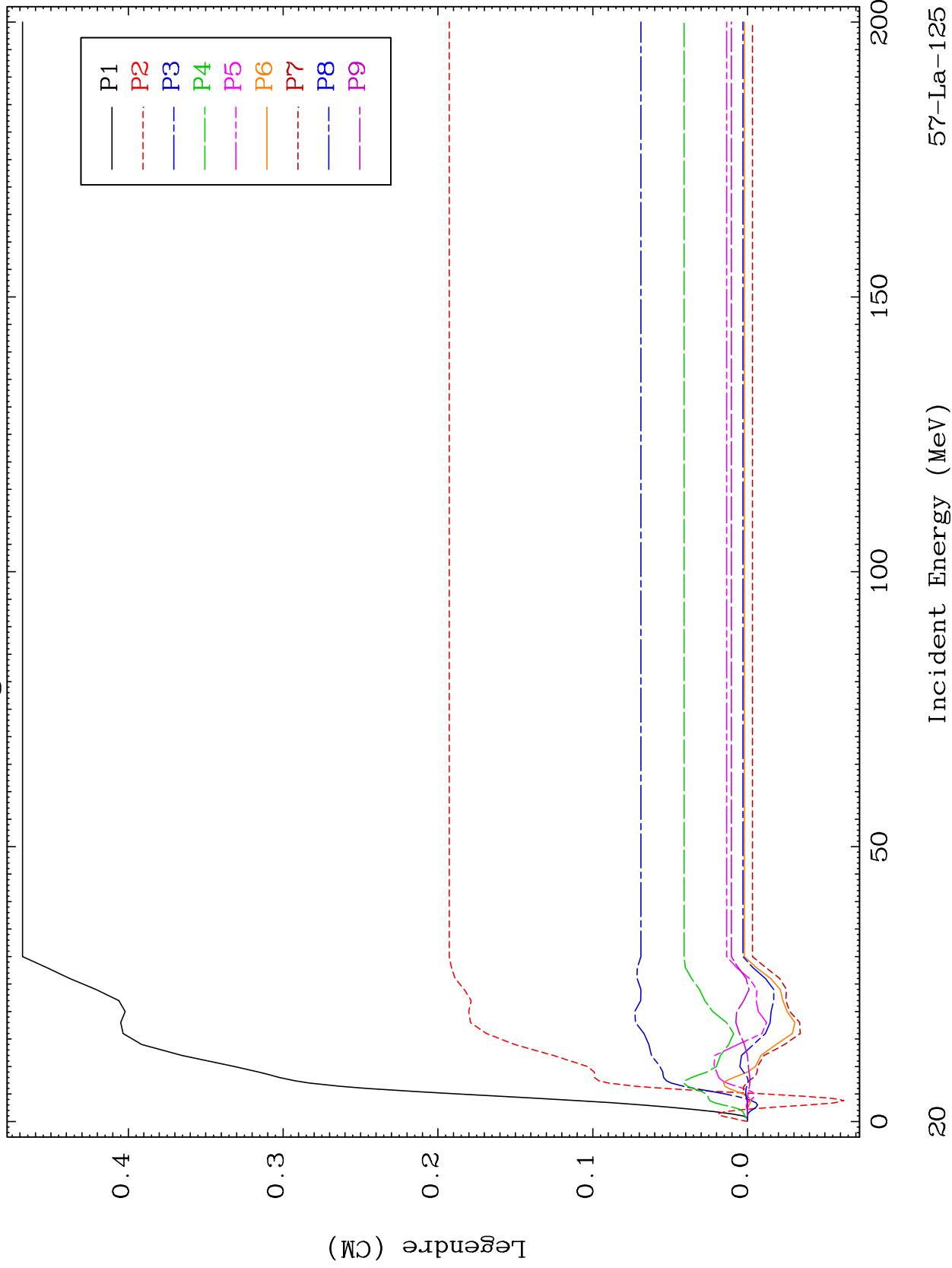
57-La-125

19

MAT 5686

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

57-La-125



57-La-125

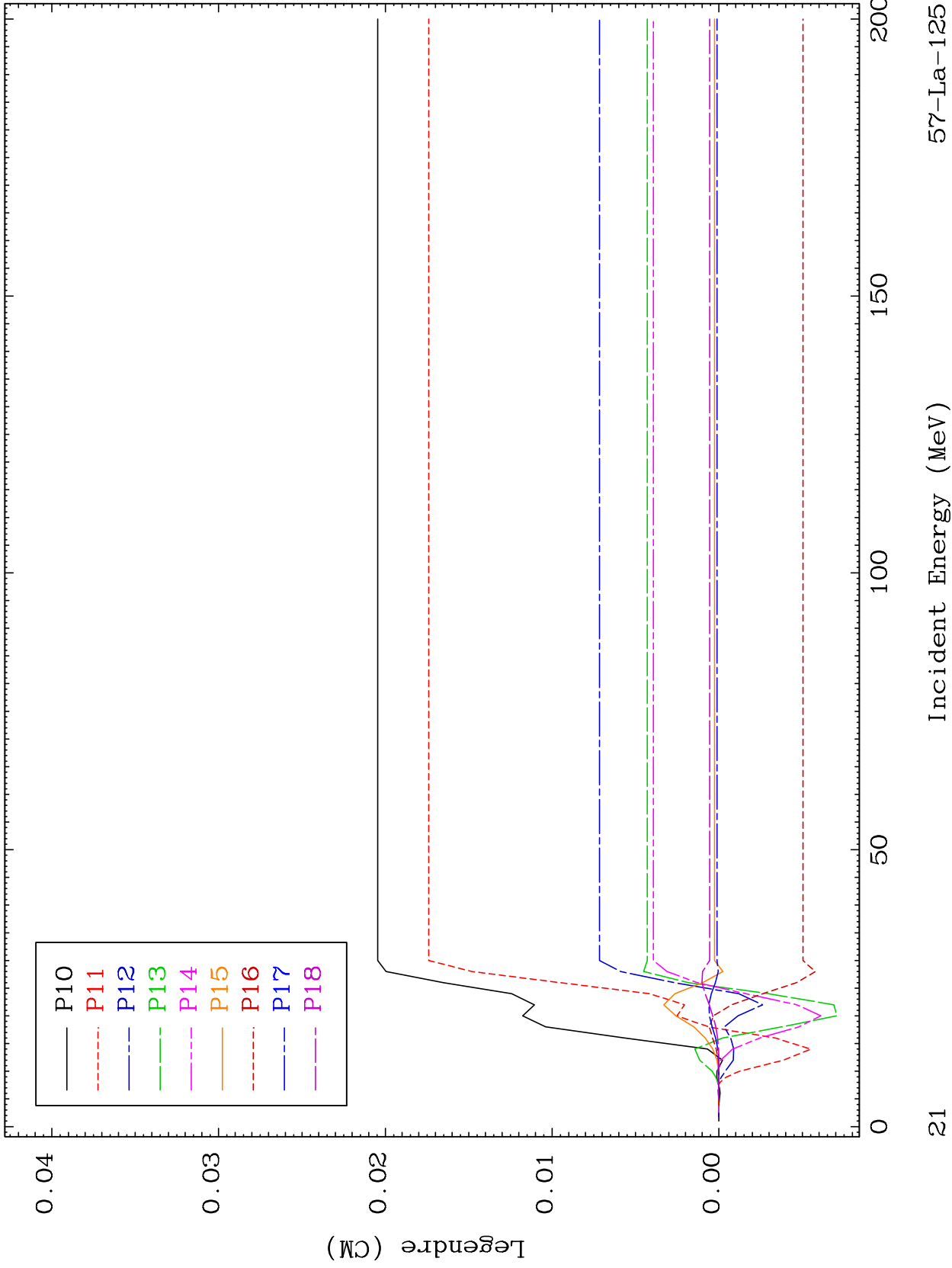
Incident Energy (MeV)

0

MAT 5686

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

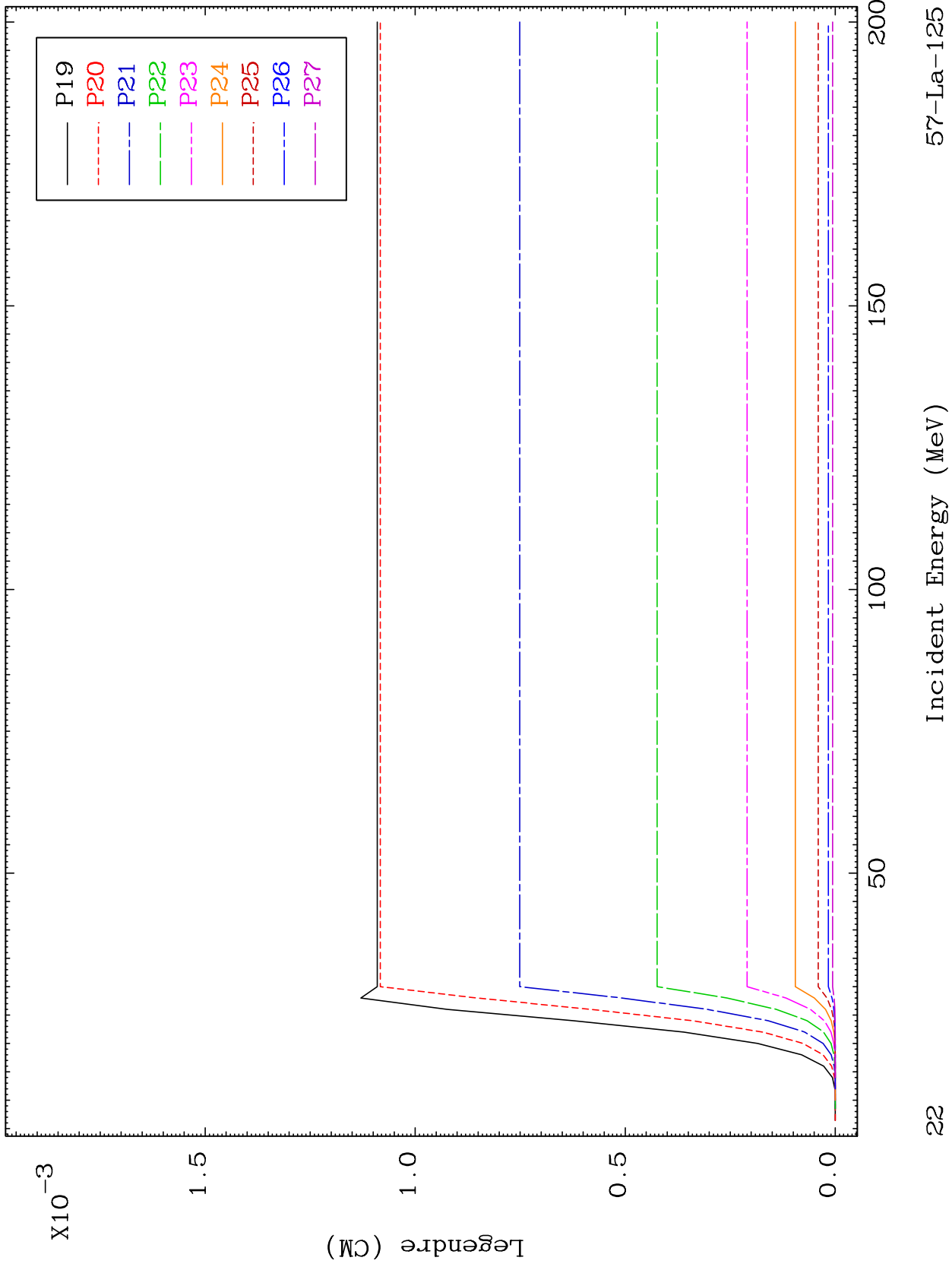
57-La-125



MAT 5686

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

57-La-125



22

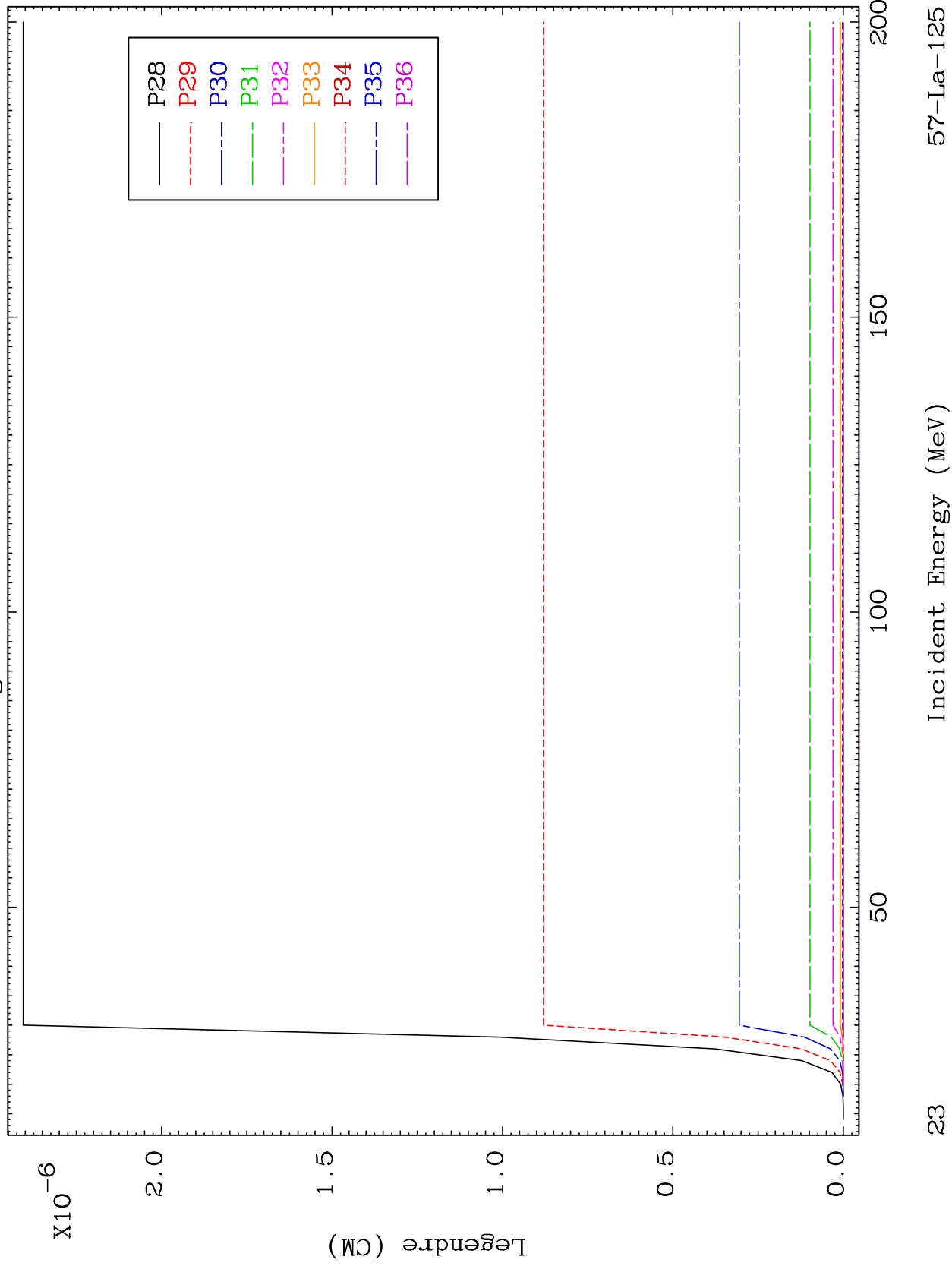
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



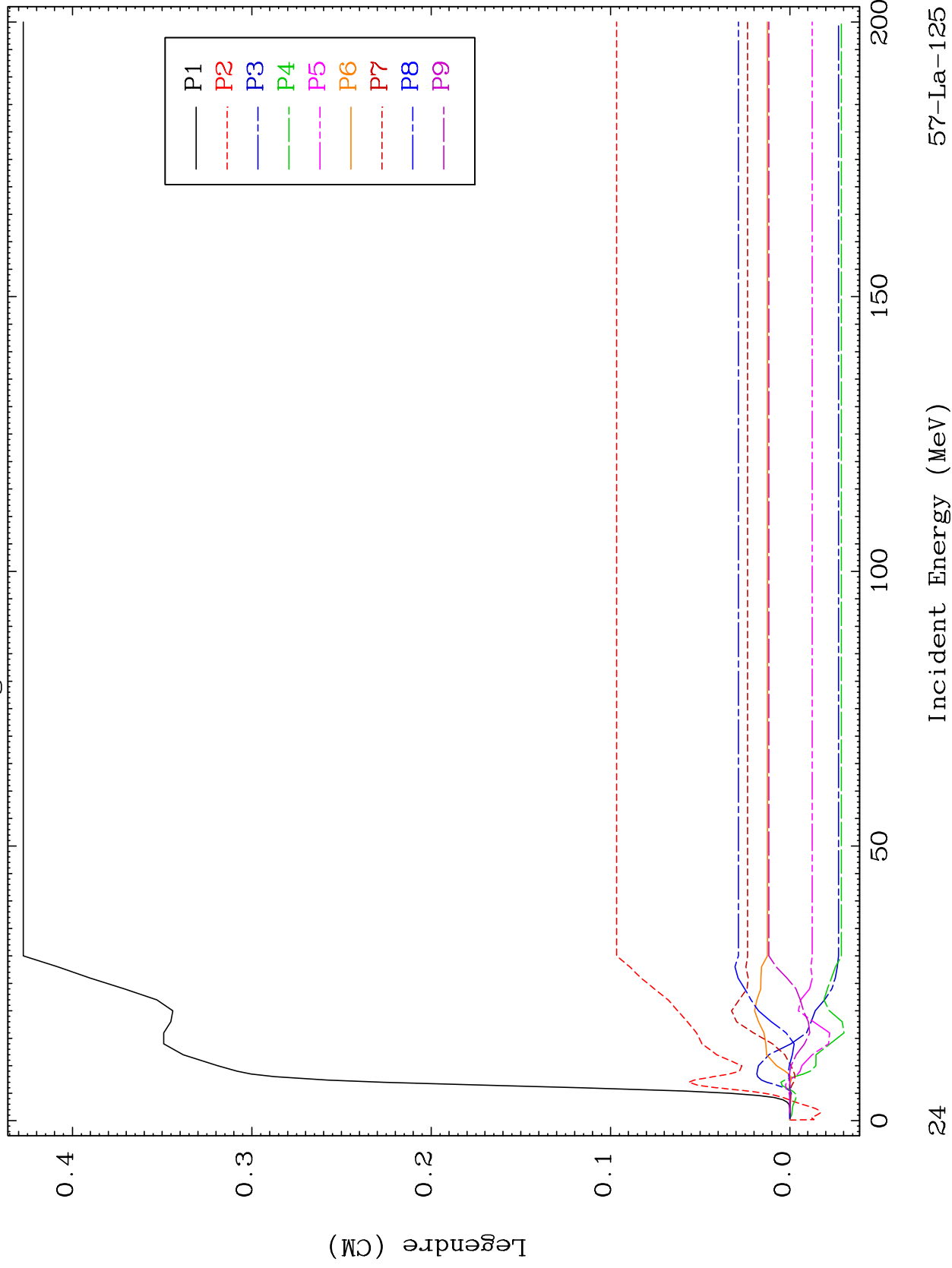
23



MAT 5686

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

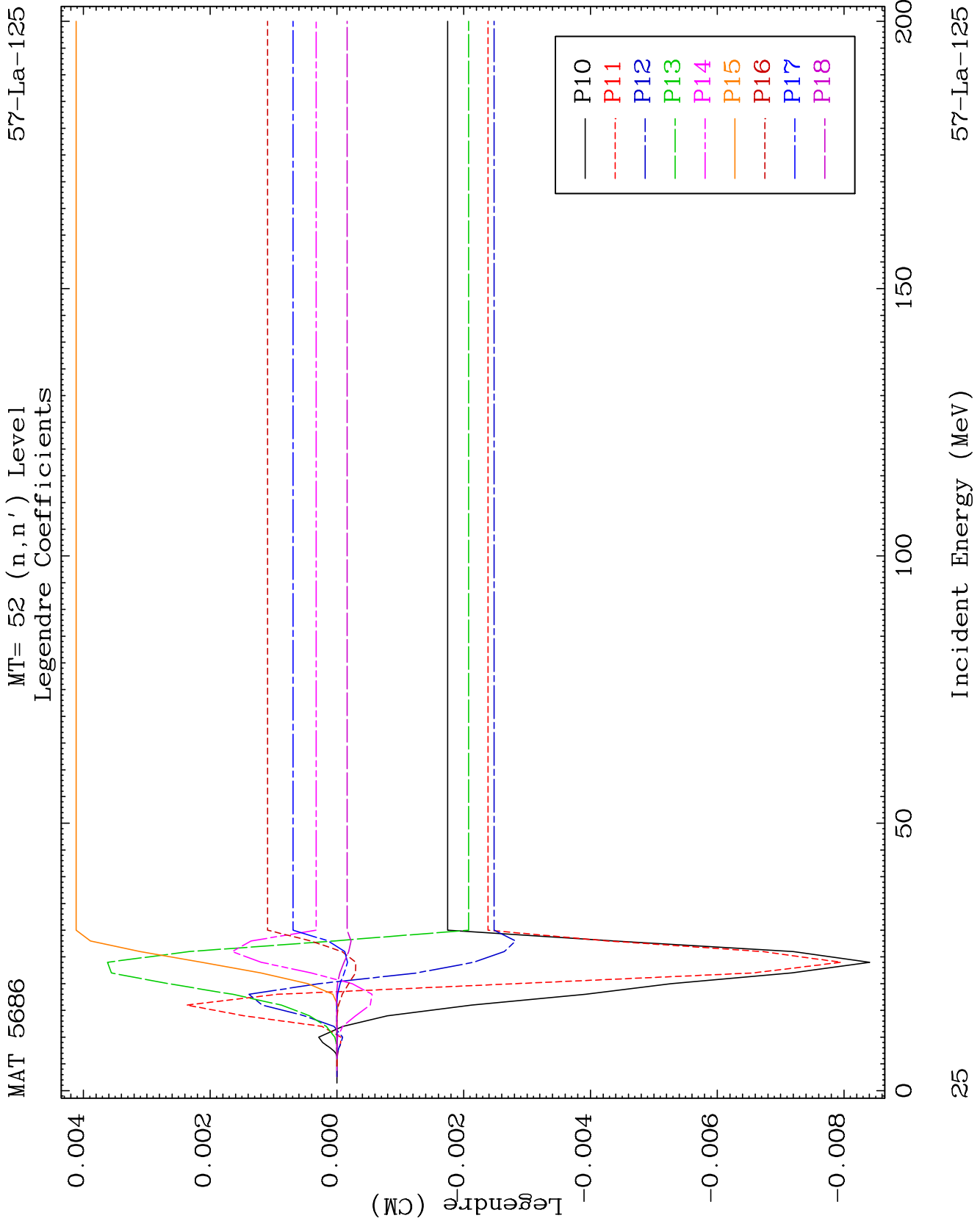
57-La-125



57-La-125

Incident Energy (MeV)

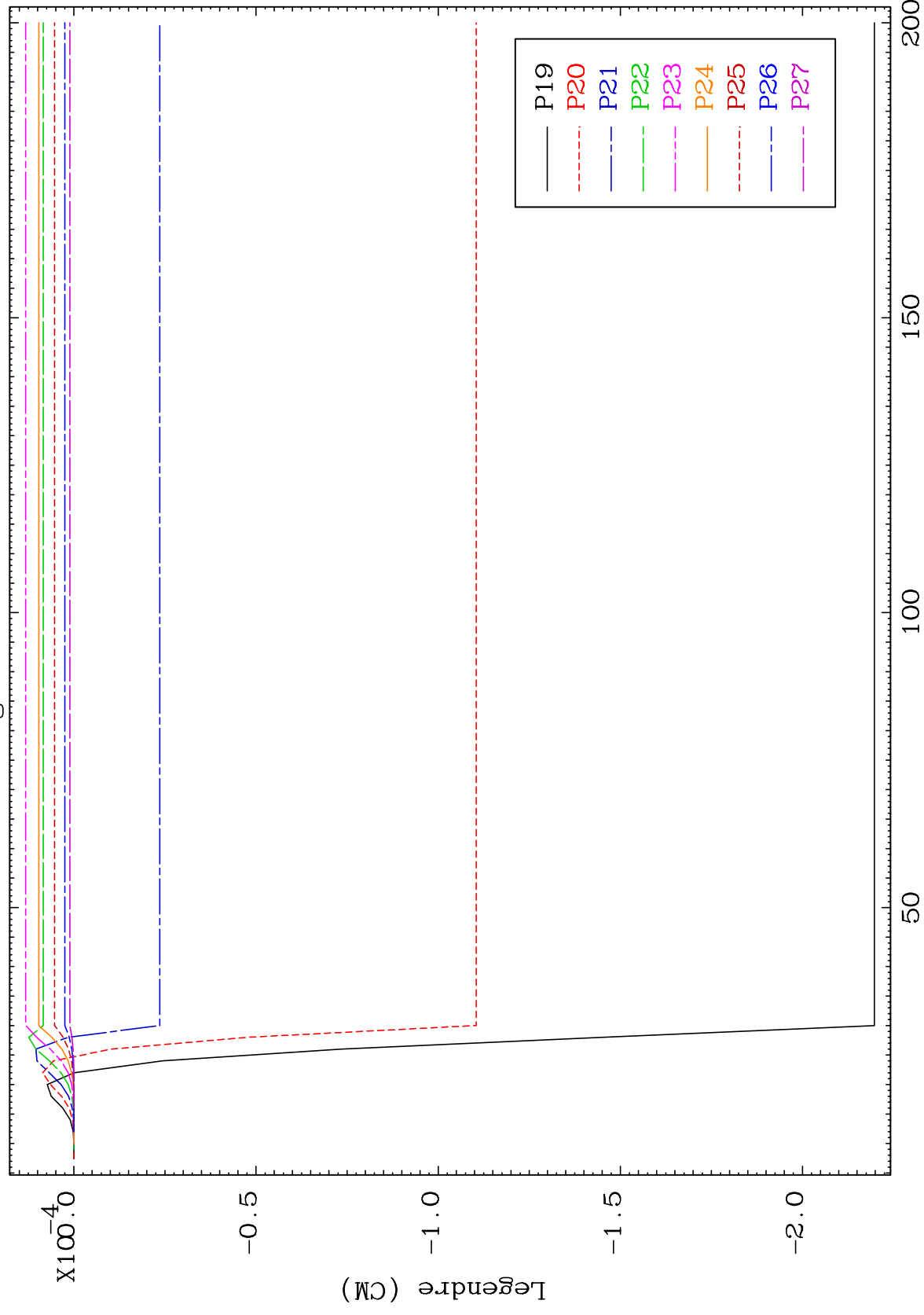
24



MAT 5686

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

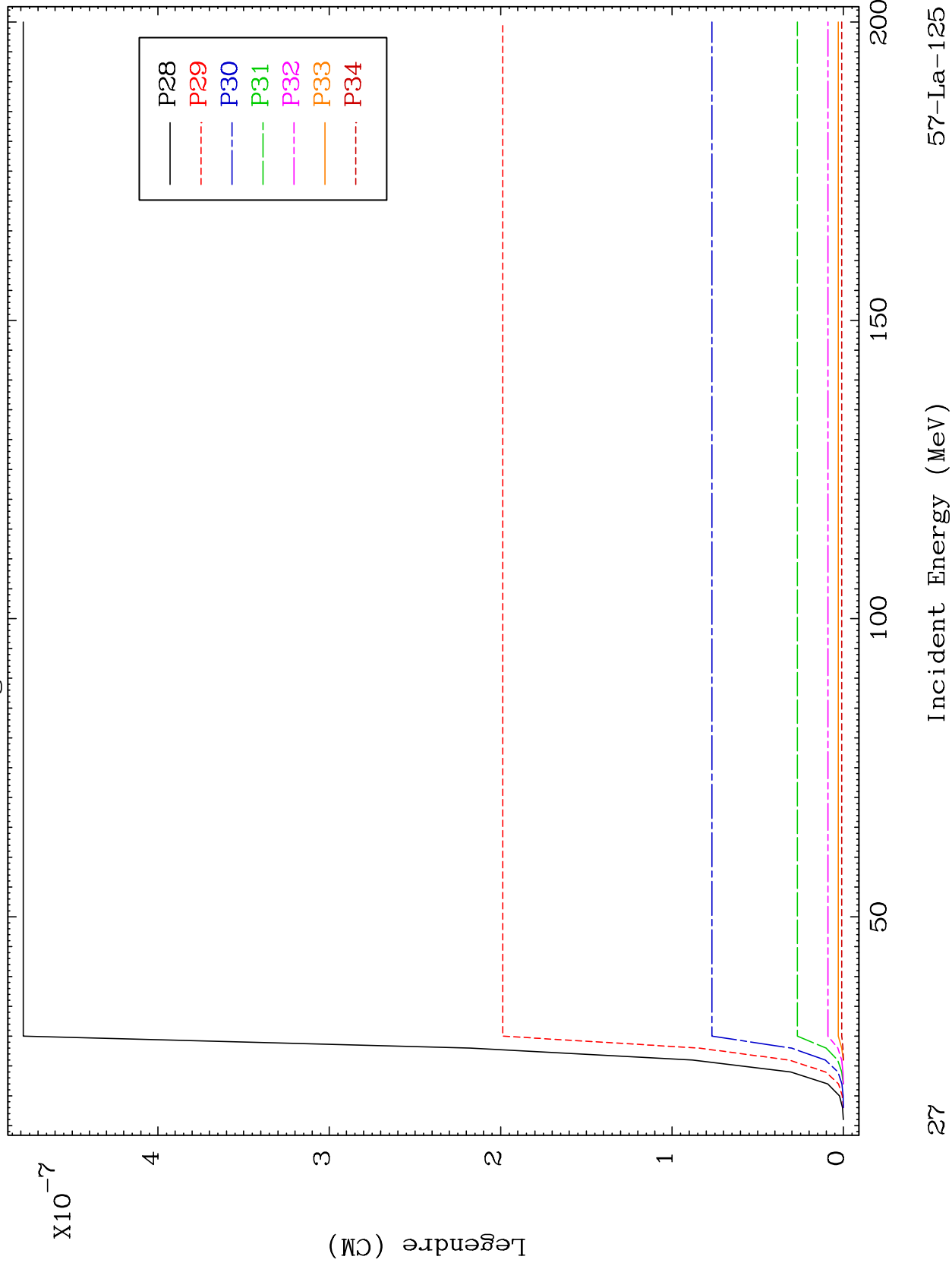
57-La-125



MAT 5686

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

57-La-125



27

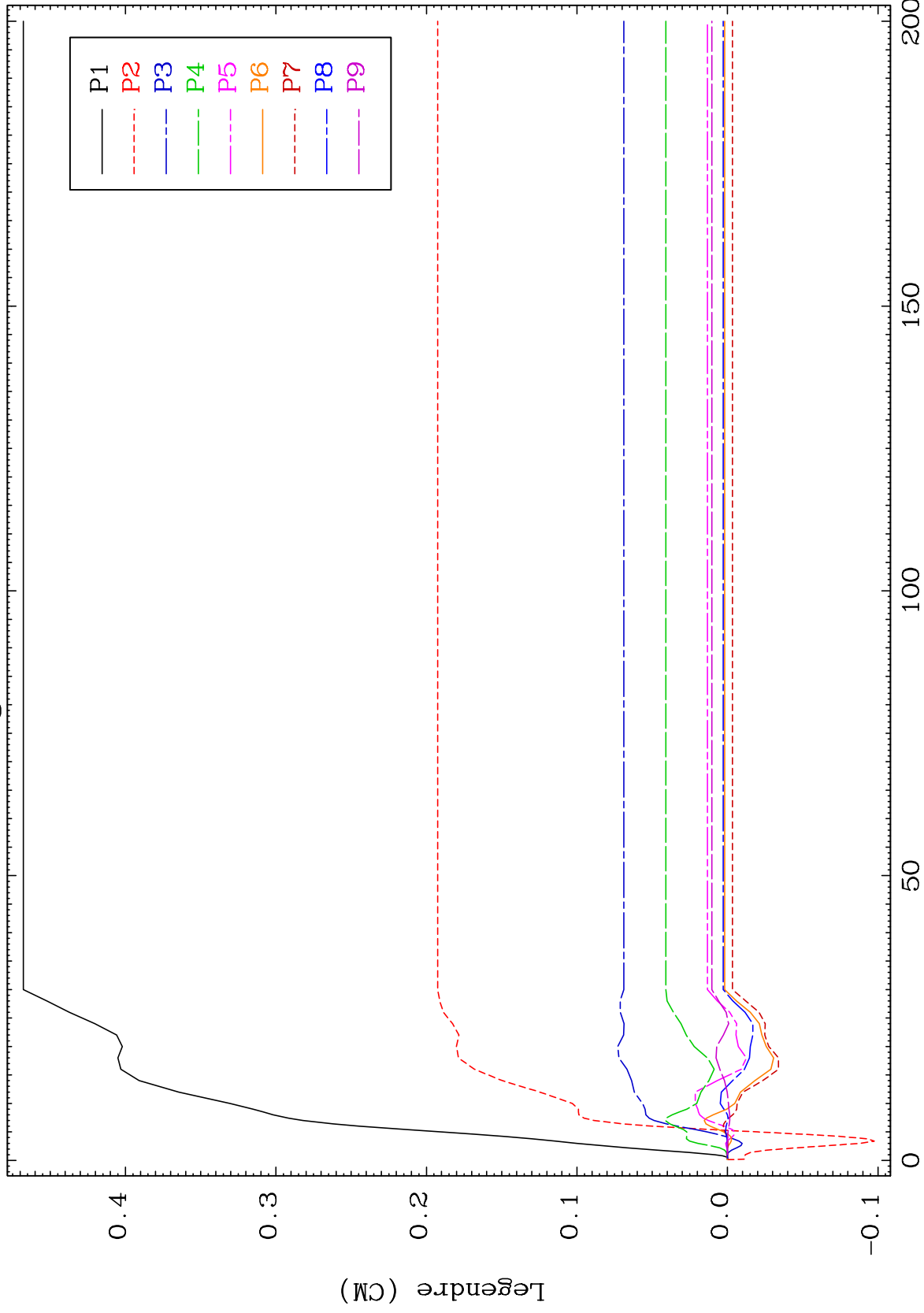
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



57-La-125

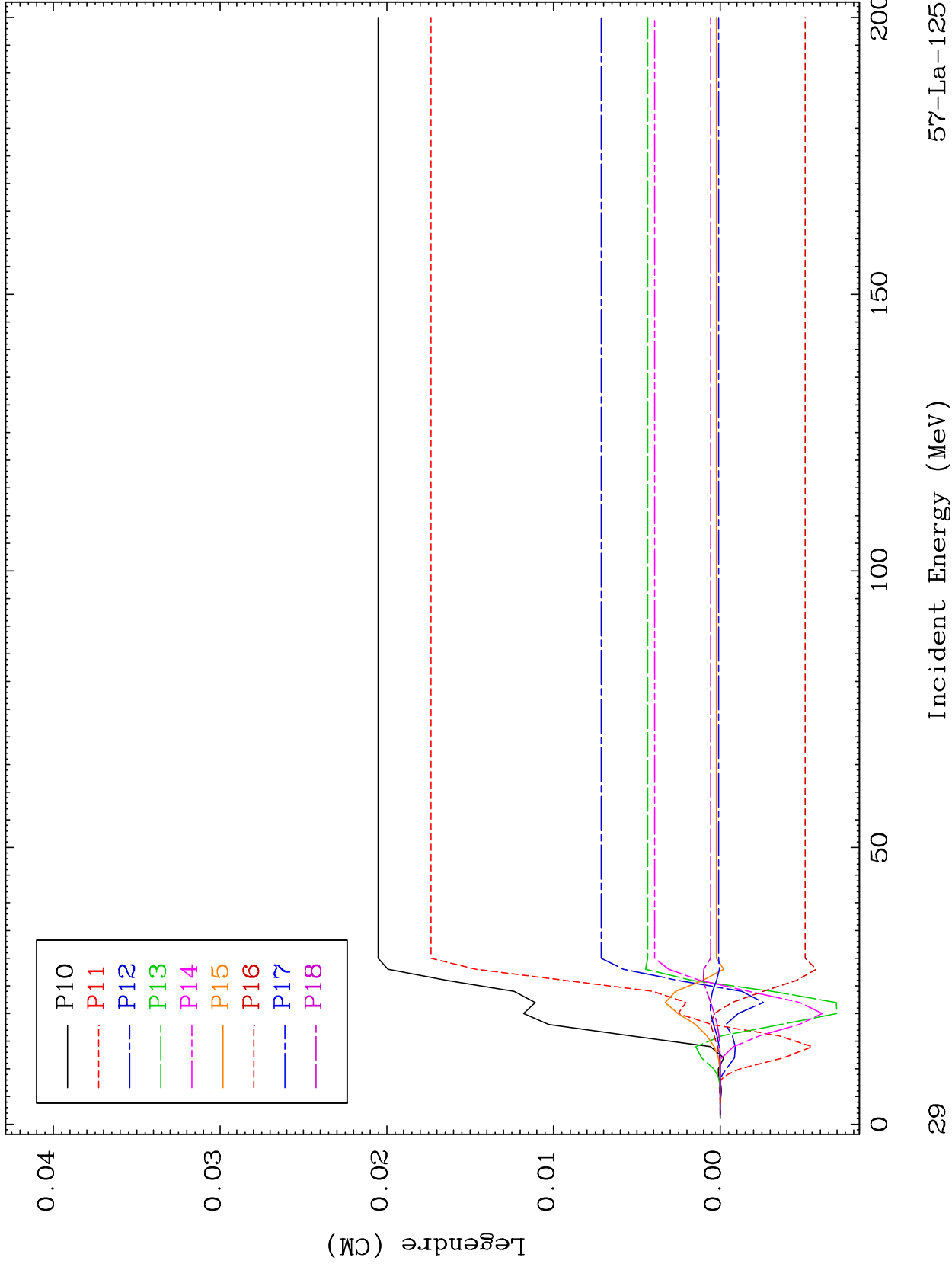
Incident Energy (MeV)

28

MAT 5686

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

57-La-125



29

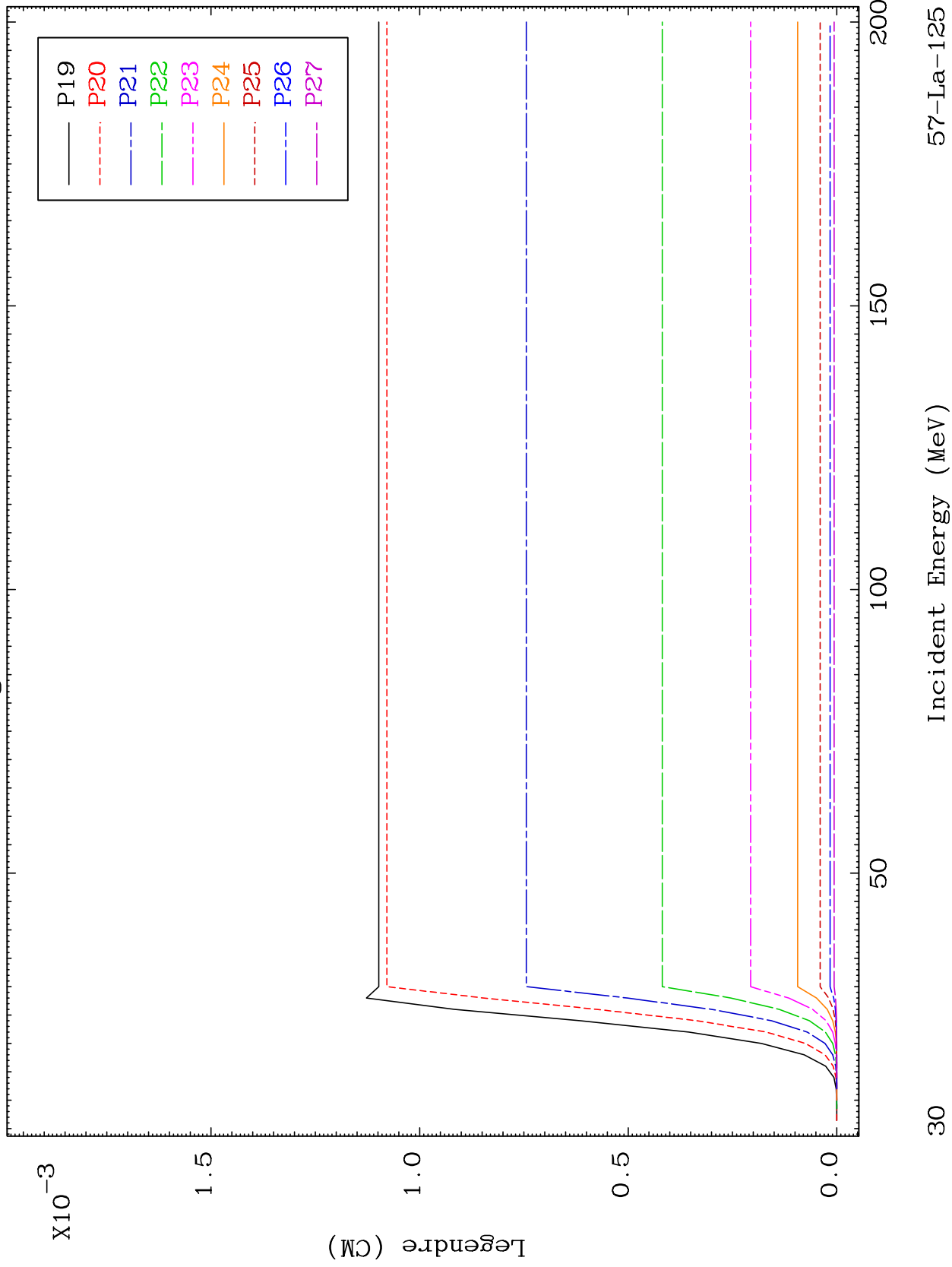
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



30

50

100

150

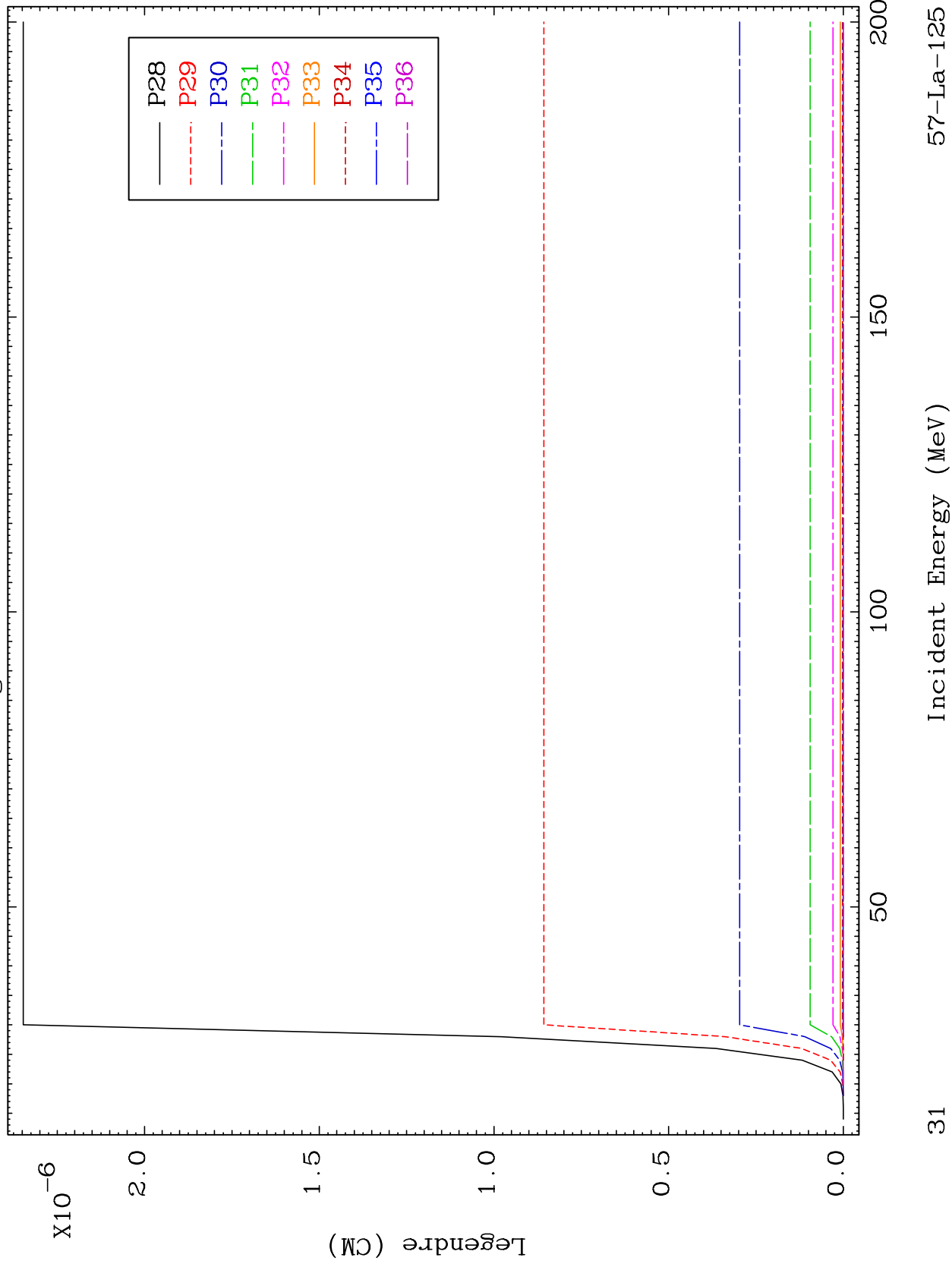
200

57-La-125

MAT 5686

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

57-La-125



31

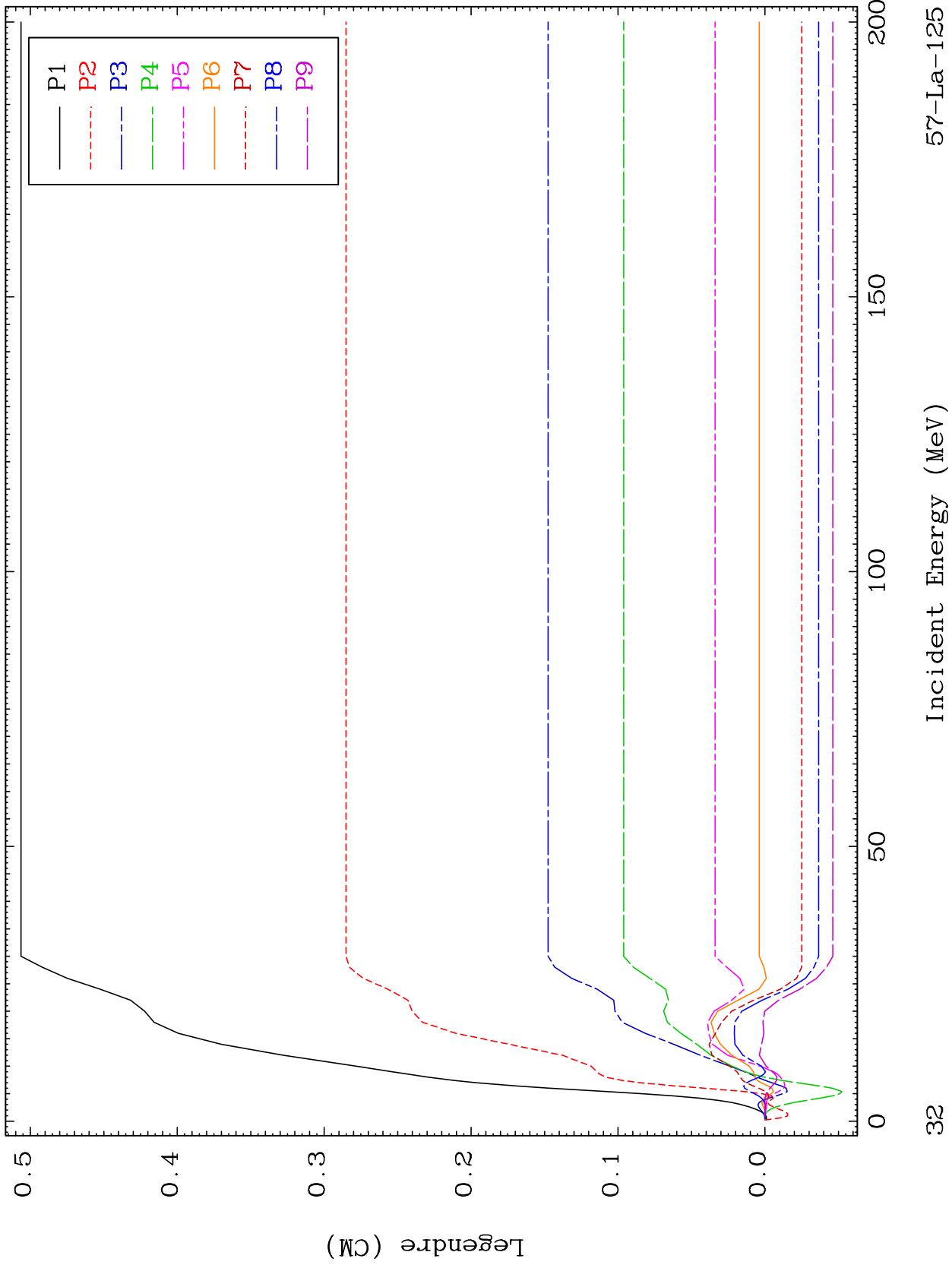
57-La-125



MAT 5686

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

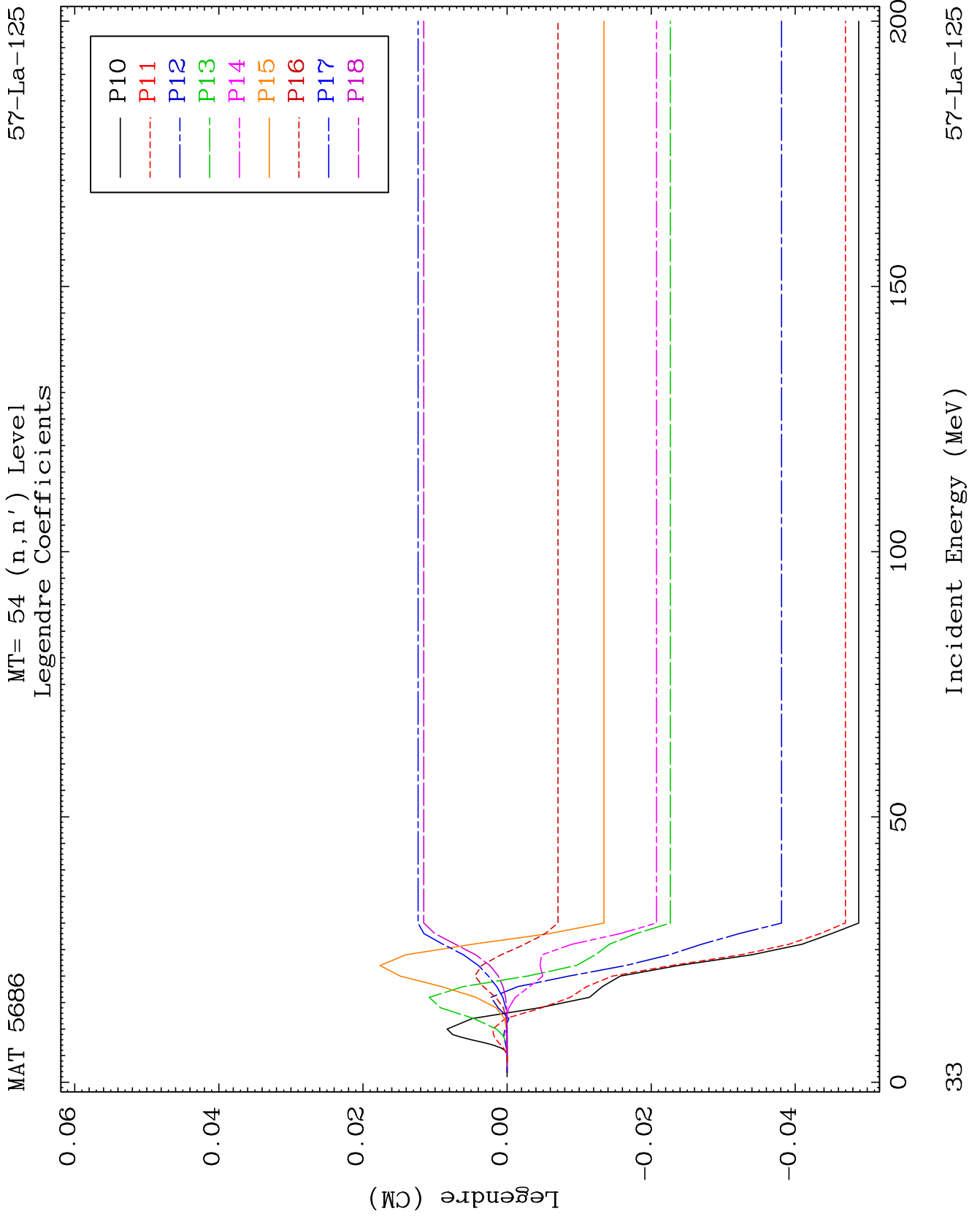
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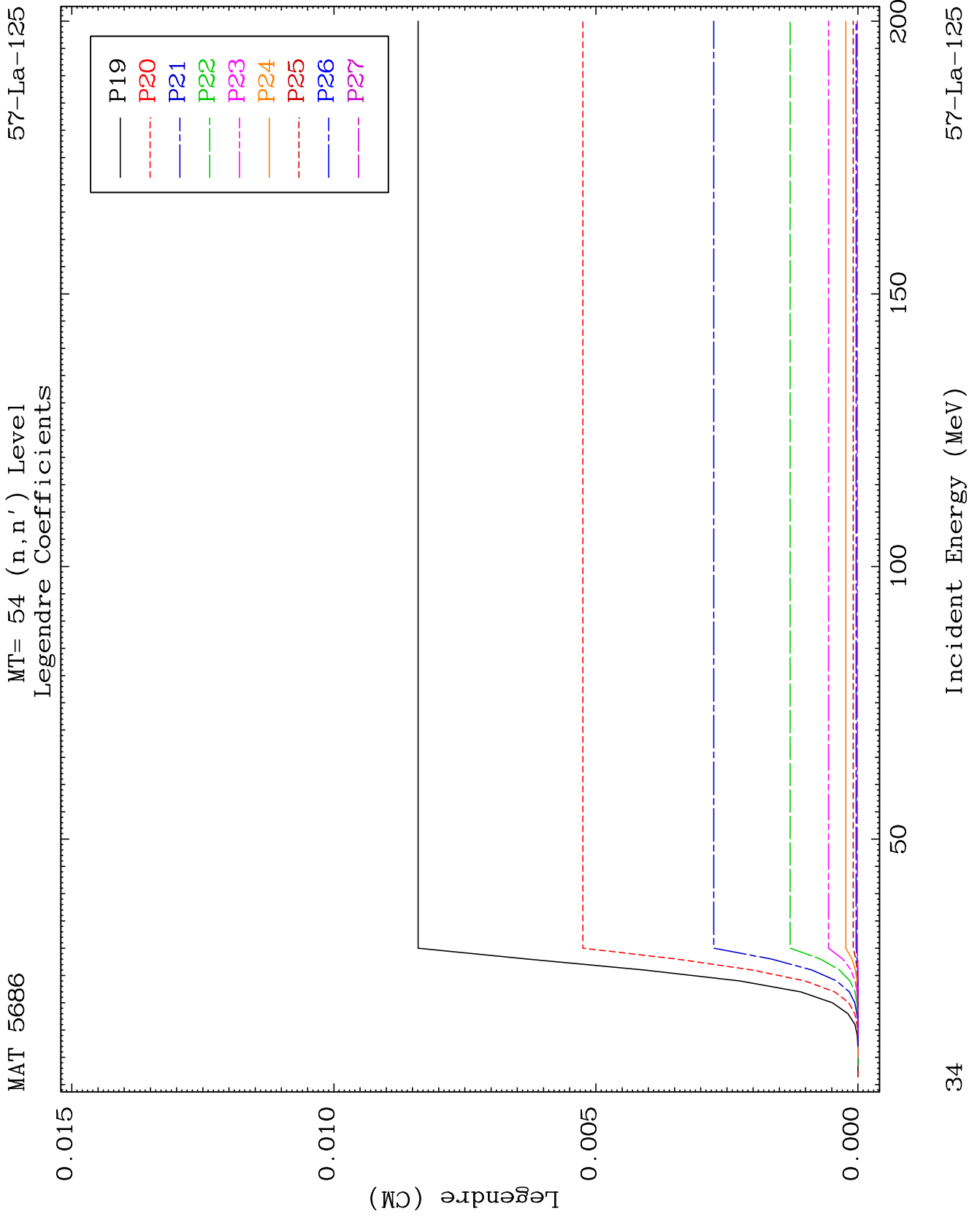


57-La-125

Incident Energy (MeV)

32

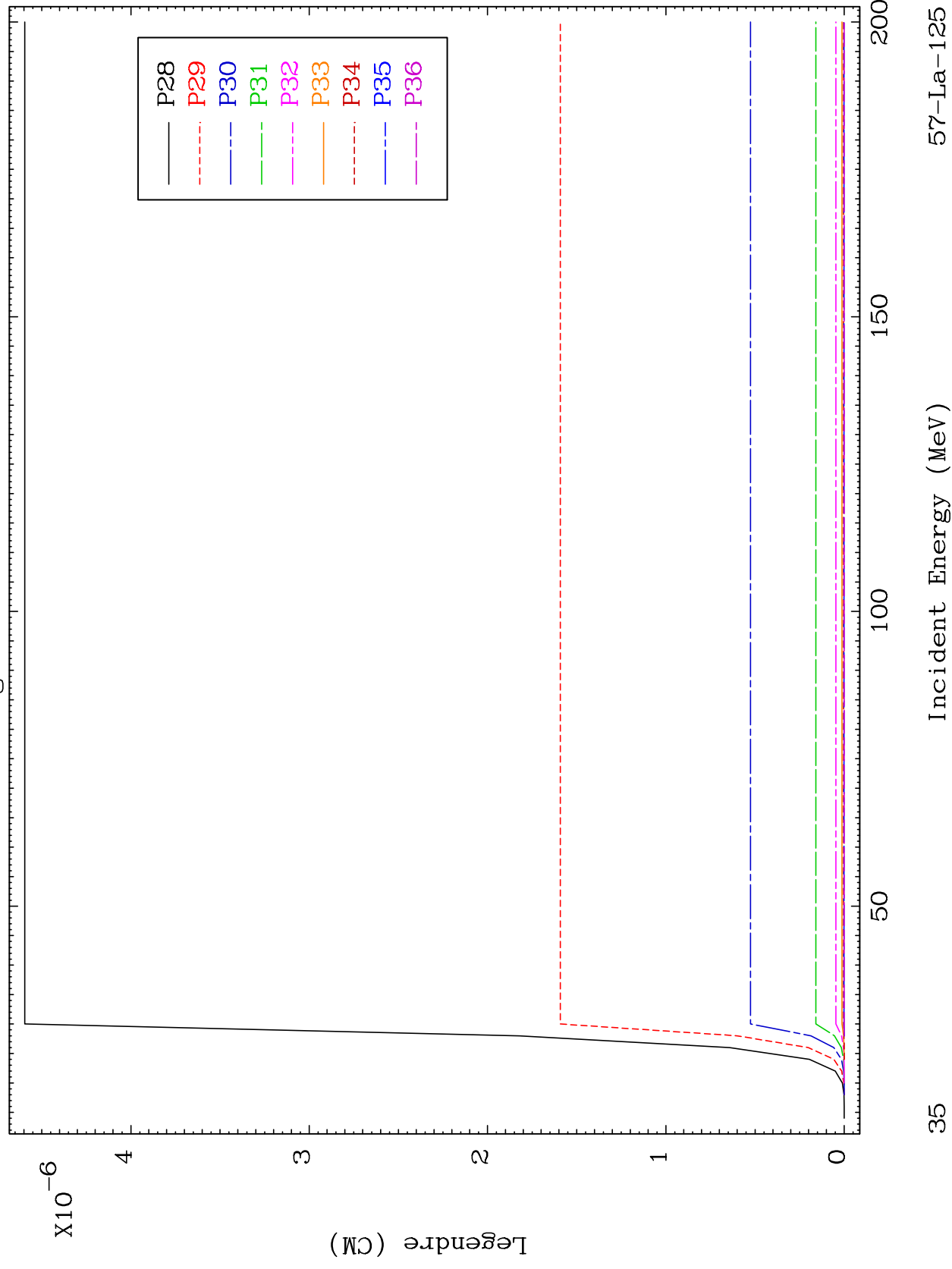




MAT 5686

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

57-La-125



35

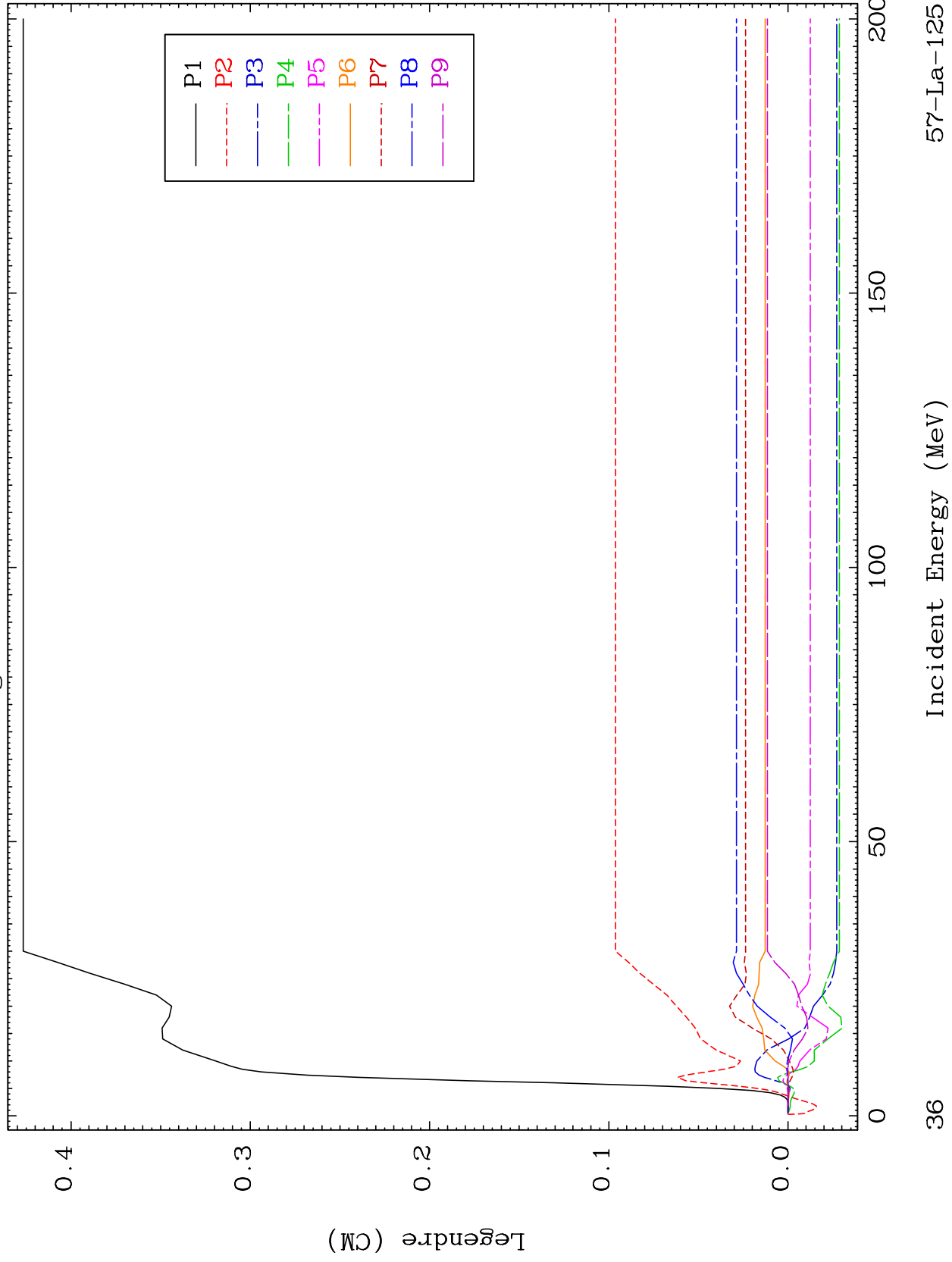
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



57-La-125

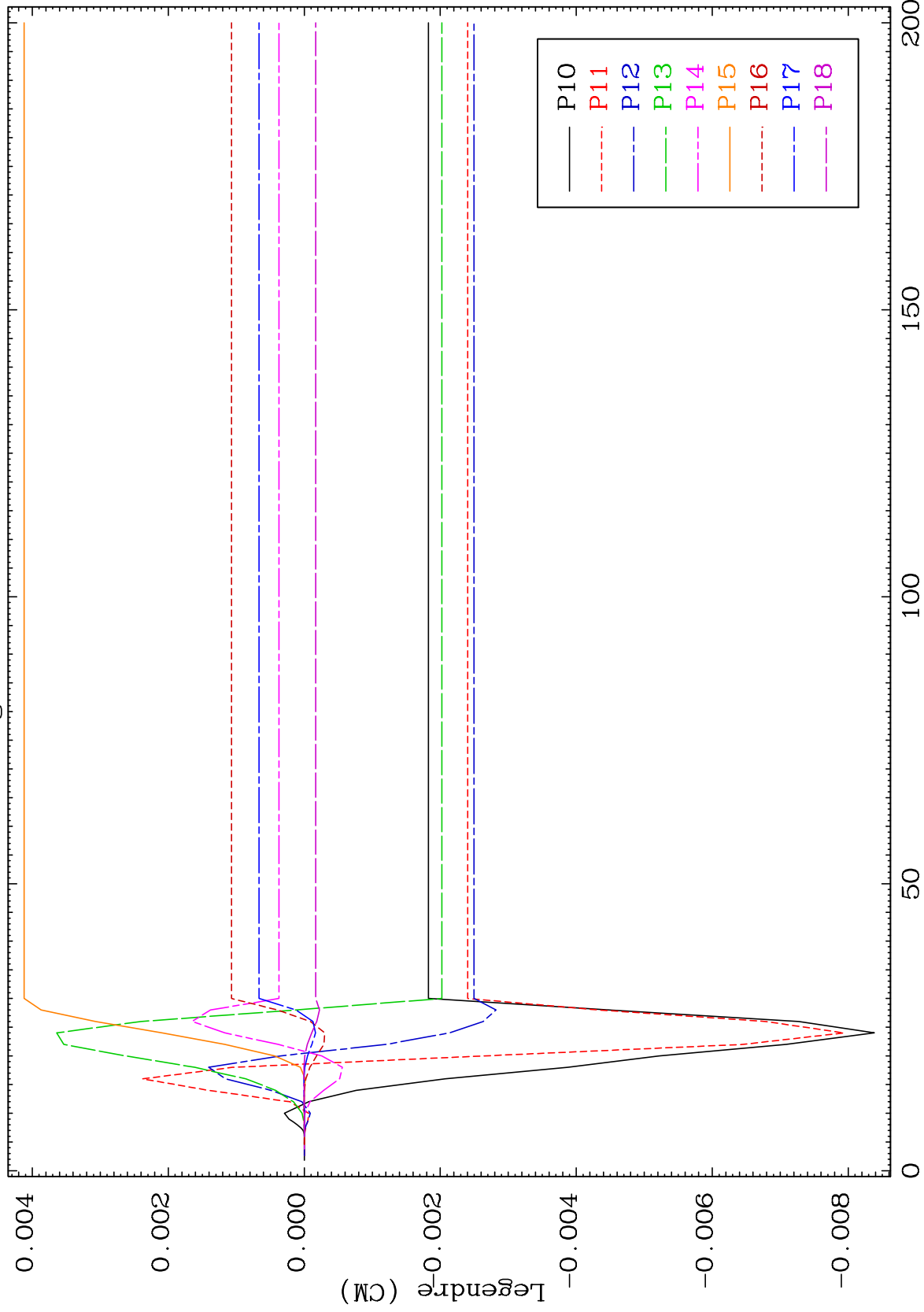
Incident Energy (MeV)

36

MAT 5686

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

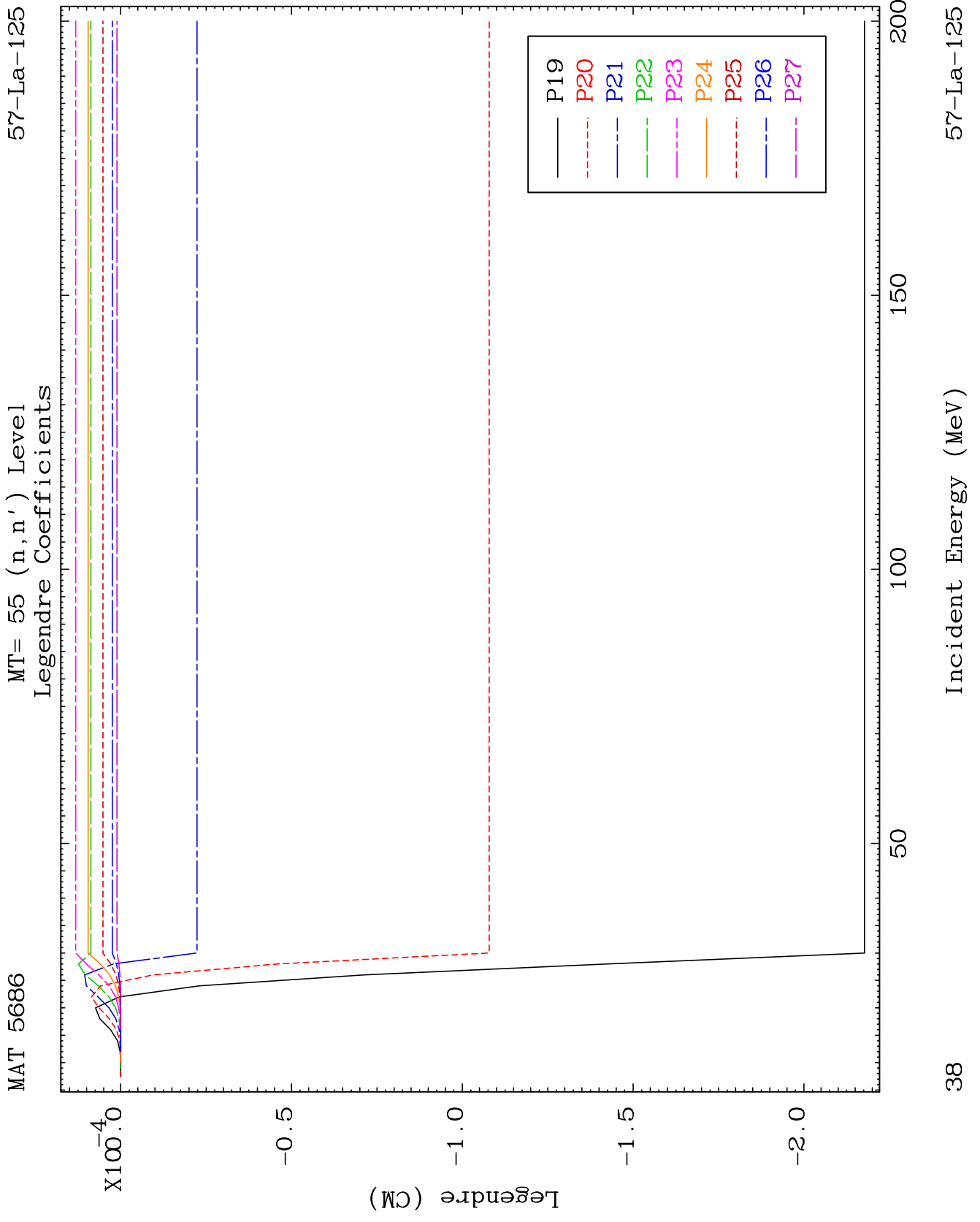
57-La-125



37

Incident Energy (MeV)

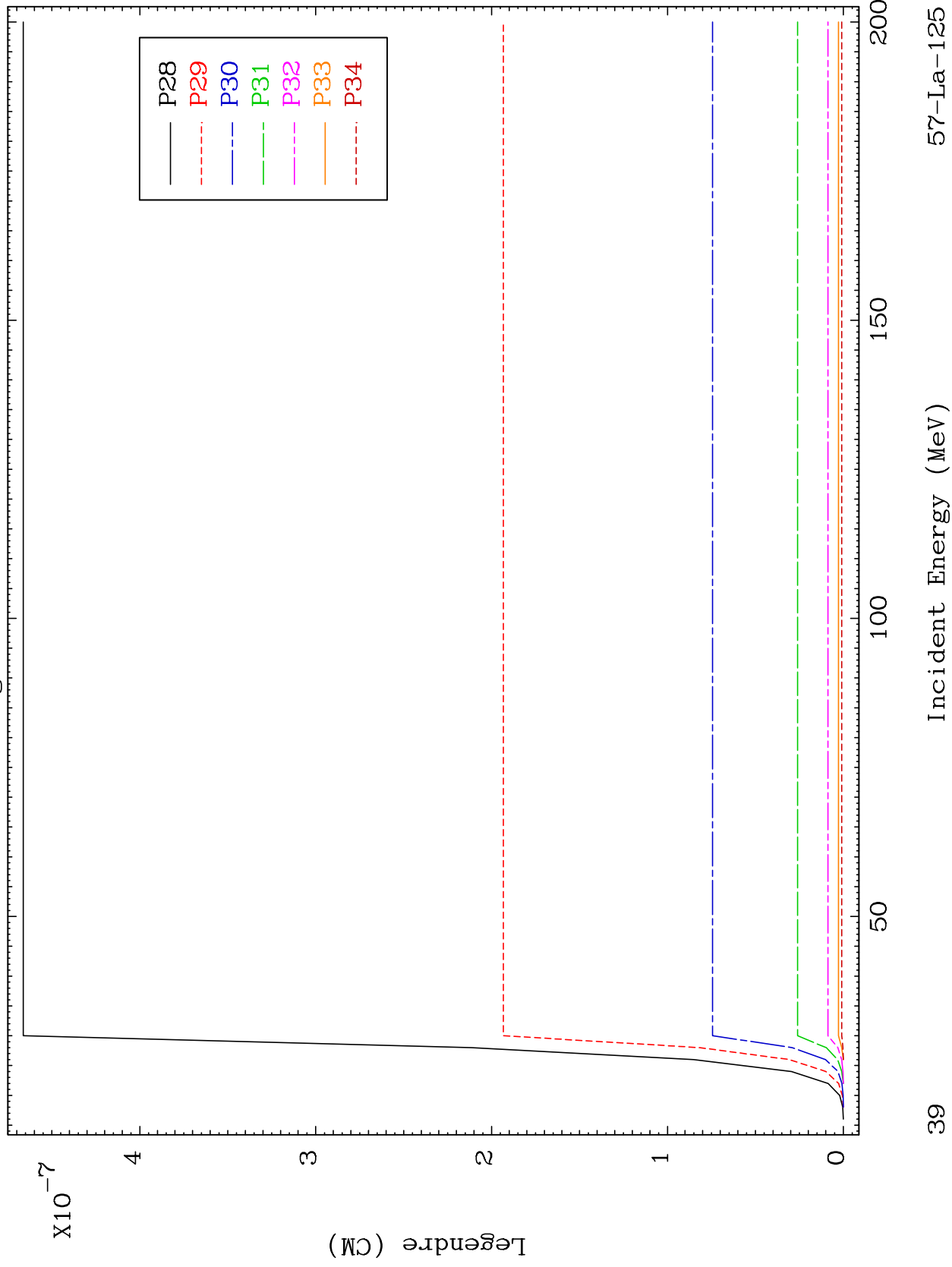
57-La-125



MAT 5686

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

57-La-125



39

Incident Energy (MeV)

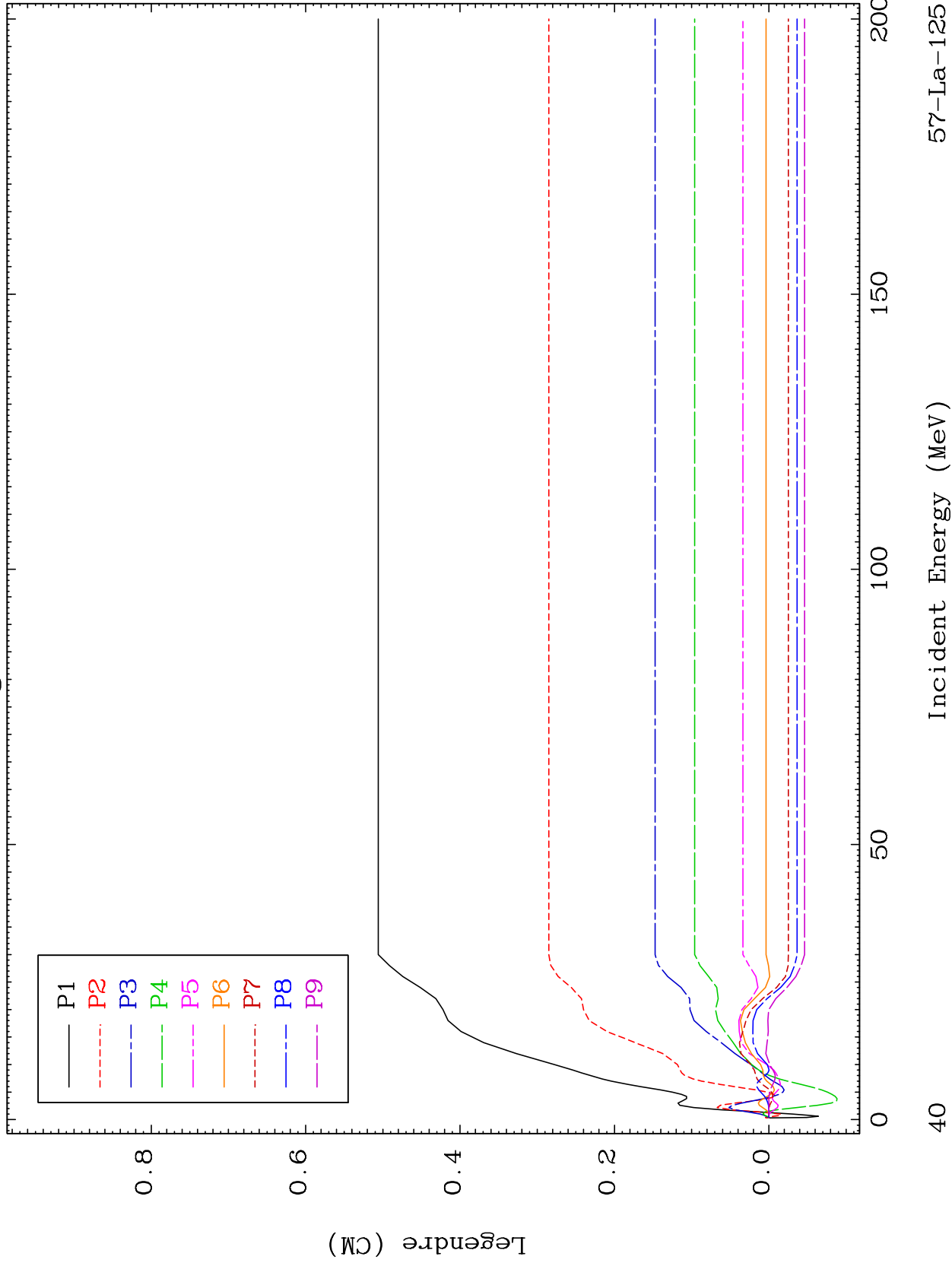
57-La-125



MAT 5686

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

57-La-125



57-La-125

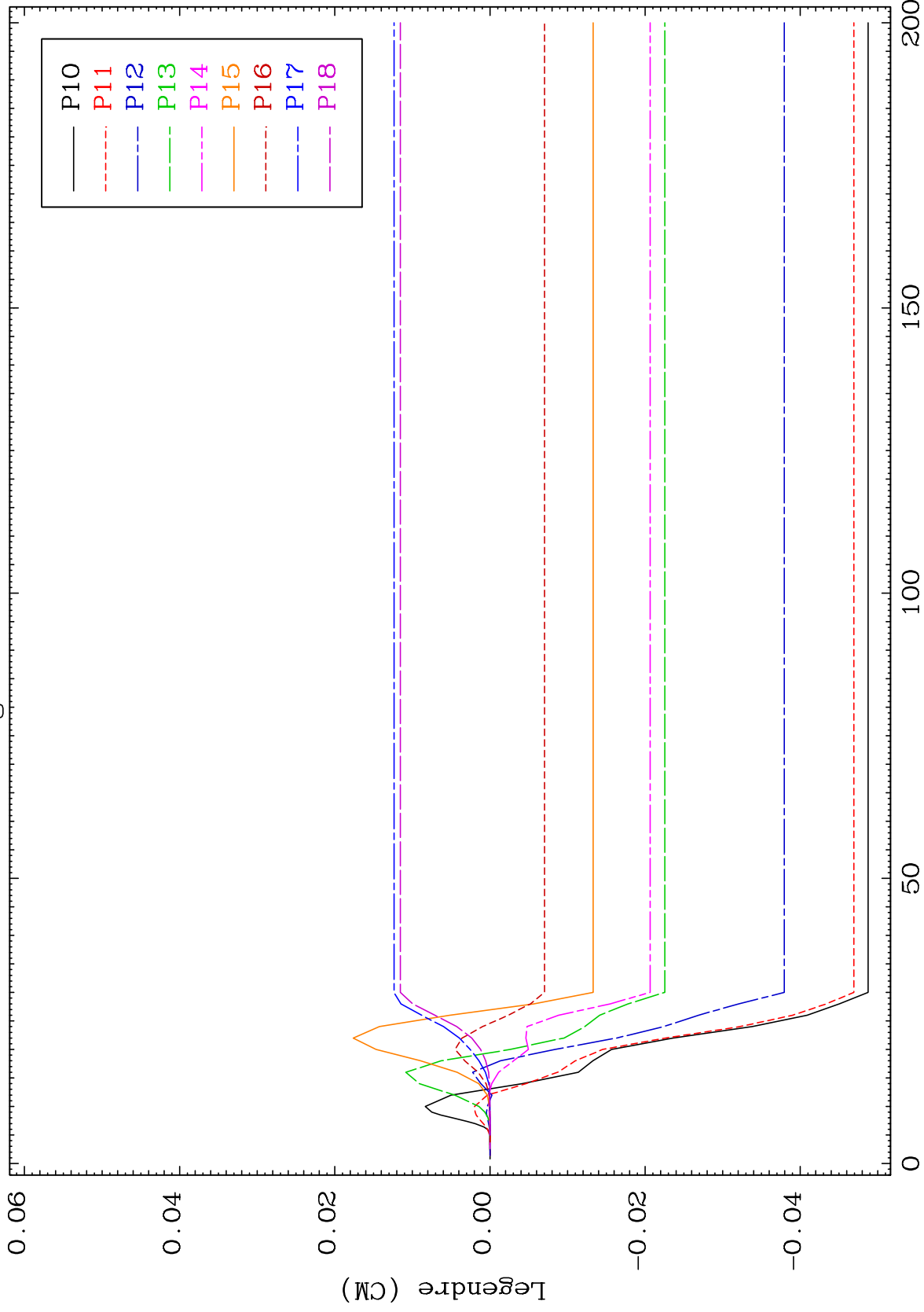
Incident Energy (MeV)

40

MAT 5686

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

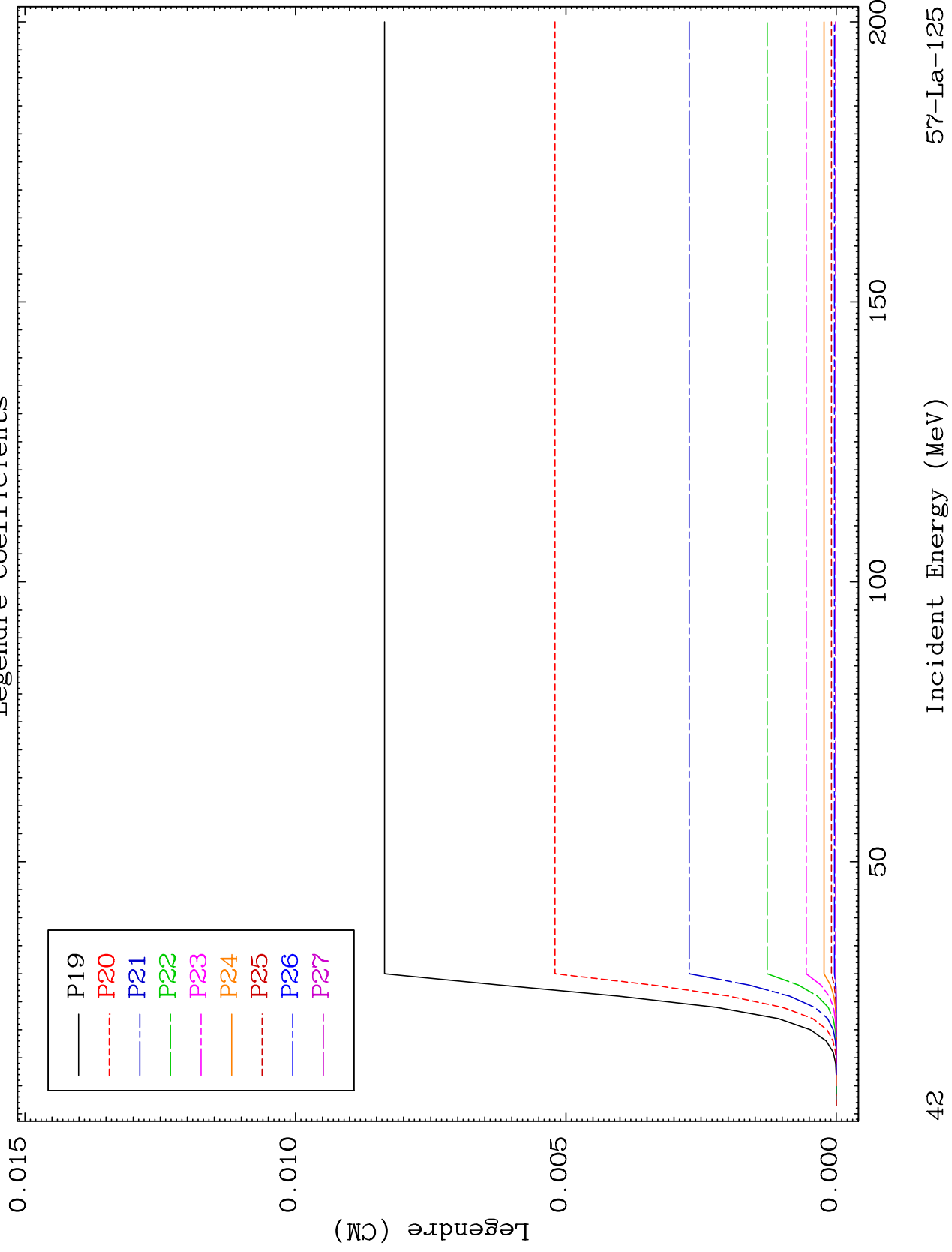
57-La-125



MAT 5686

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

57-La-125



42

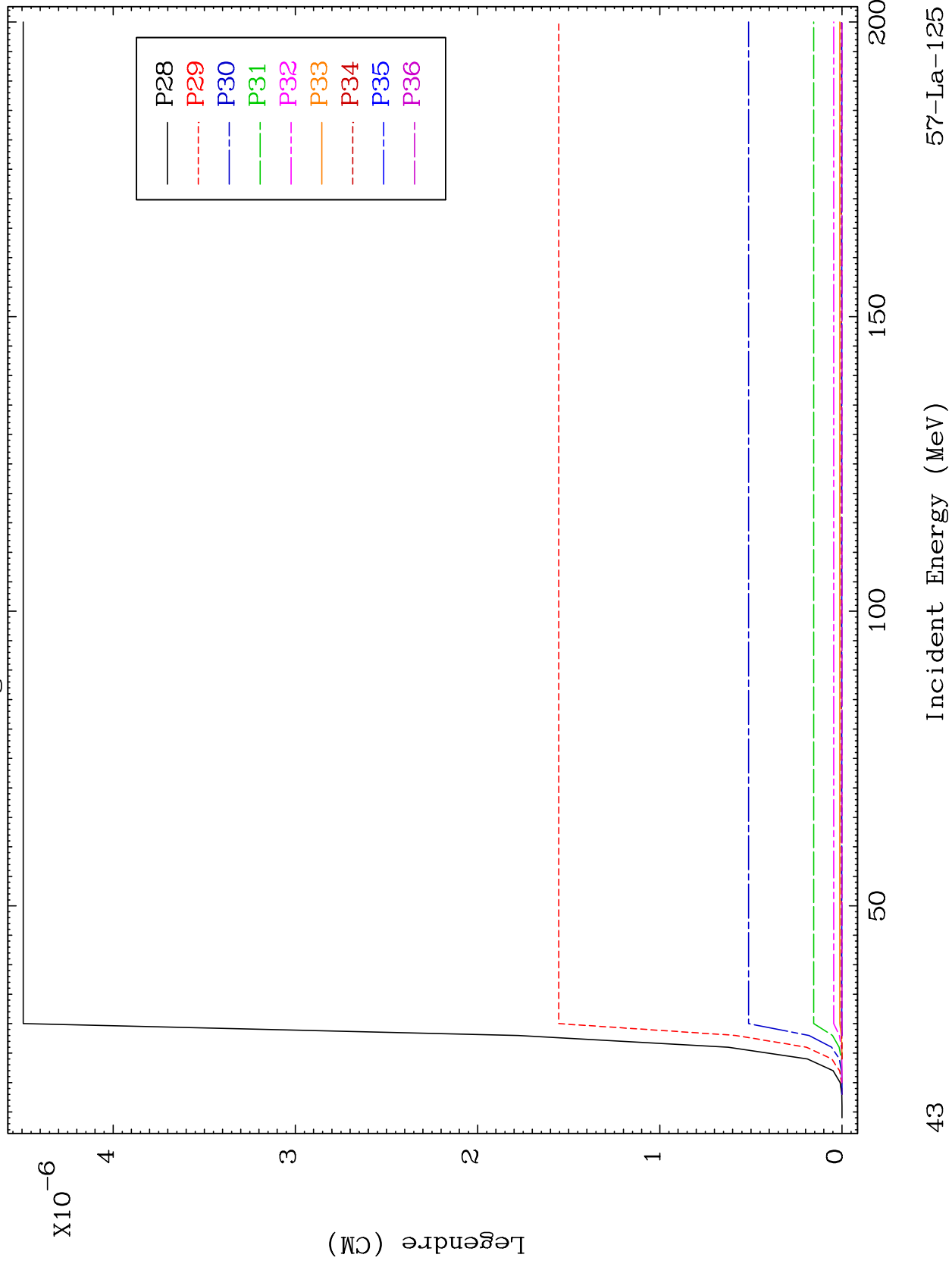
Incident Energy (MeV)

57-La-125

MAT 5686

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

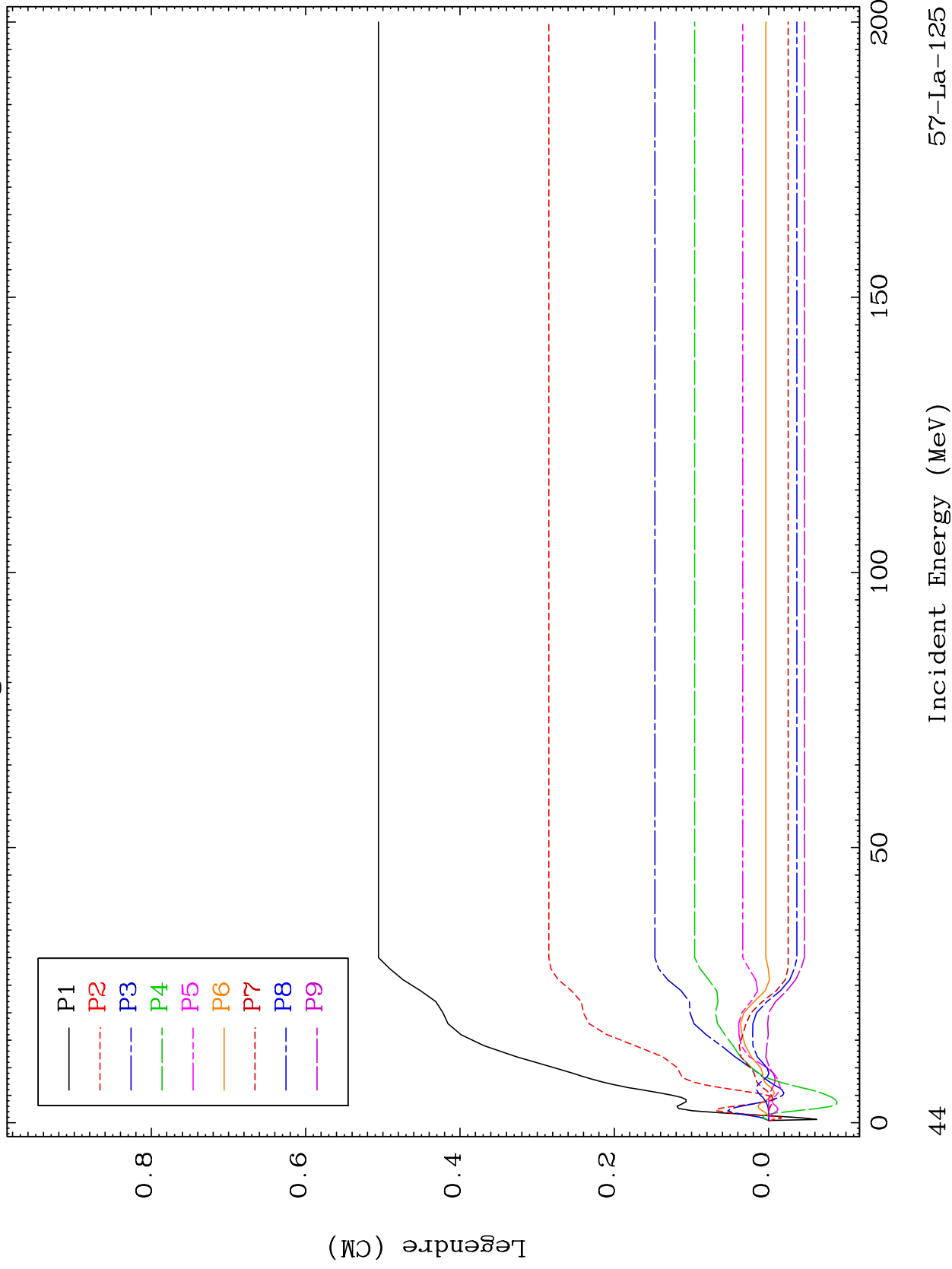
57-La-125



MAT 5686

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

57-La-125



57-La-125

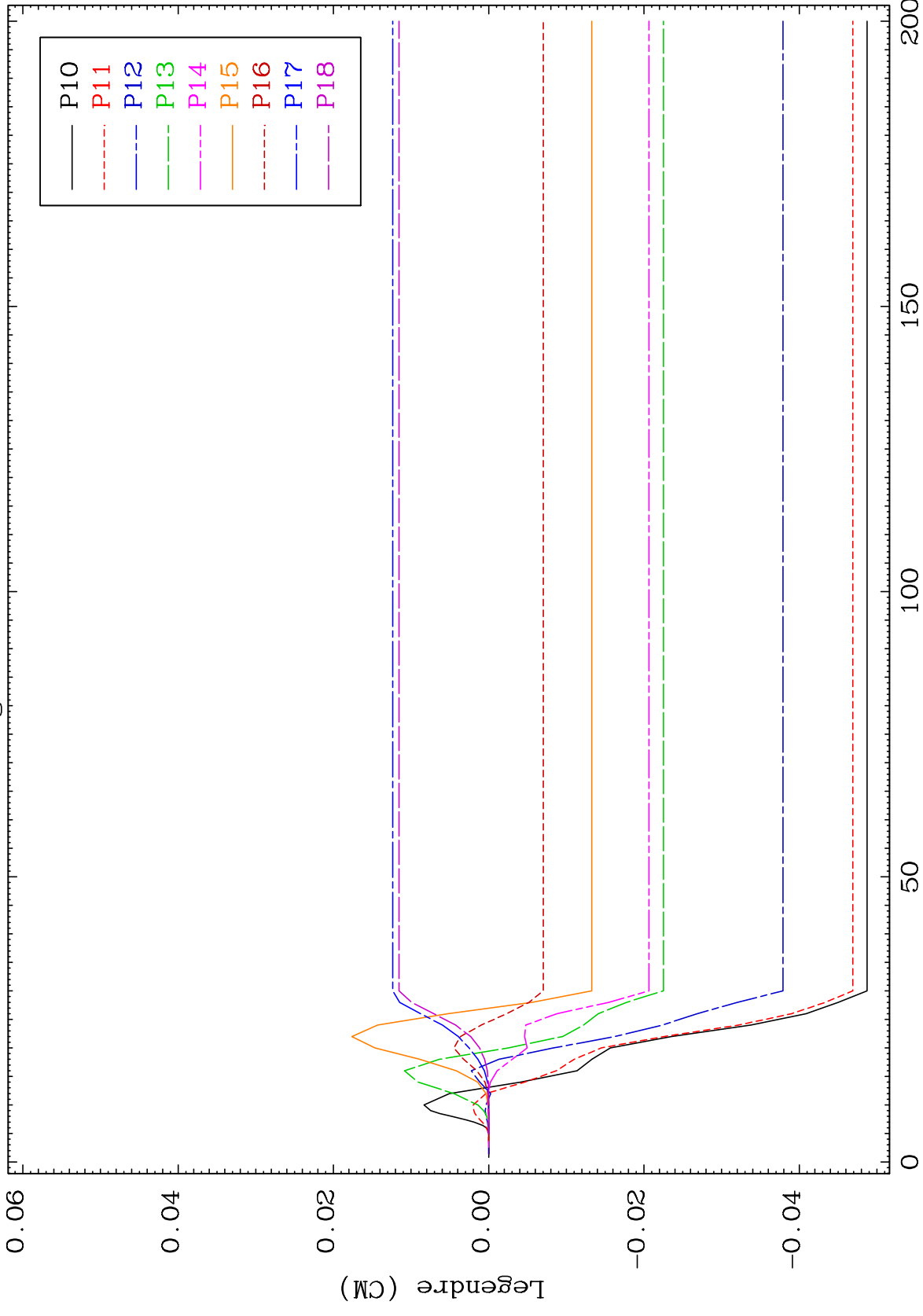
Incident Energy (MeV)

44

MAT 5686

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

57-La-125



45

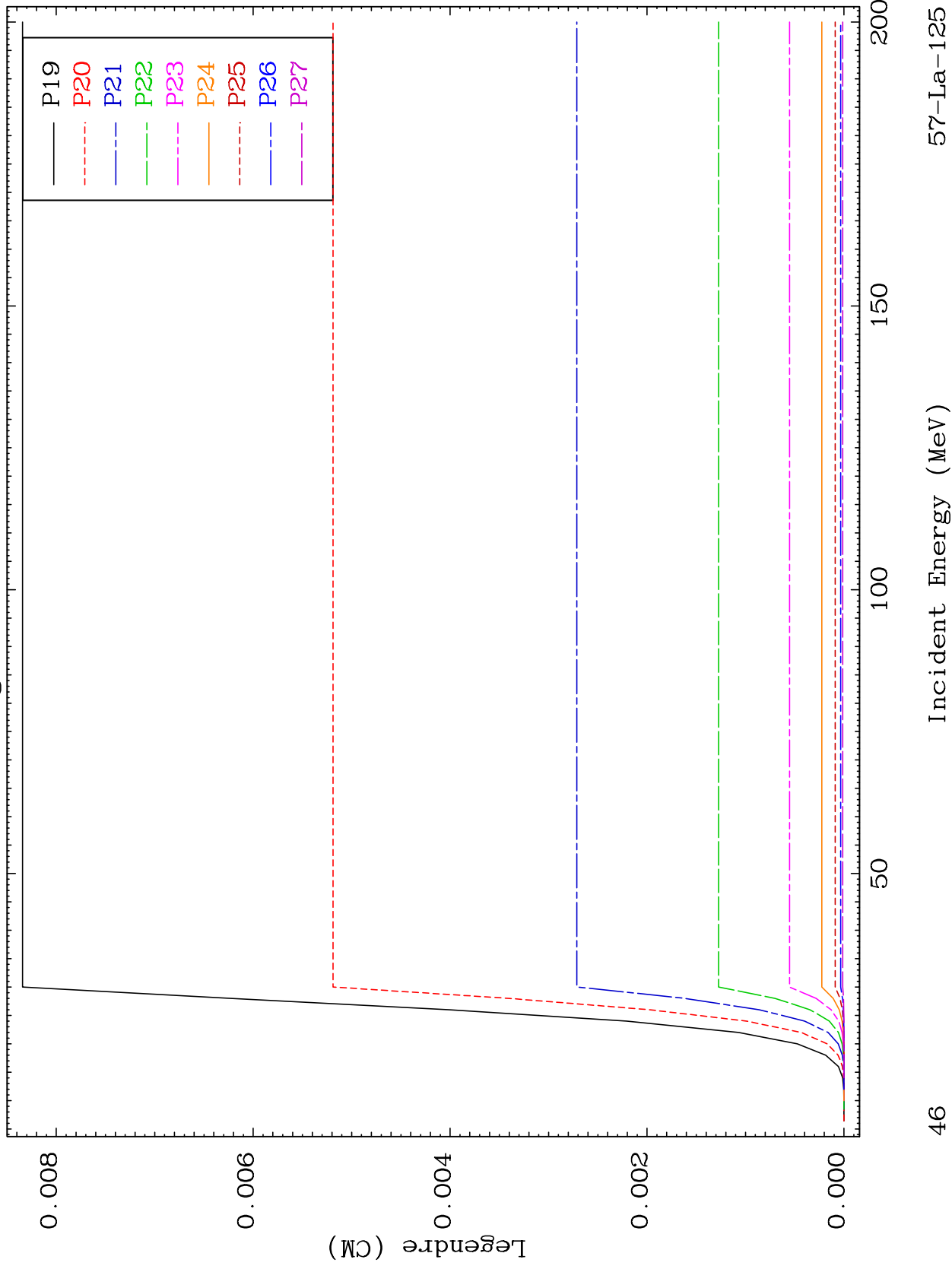
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



46

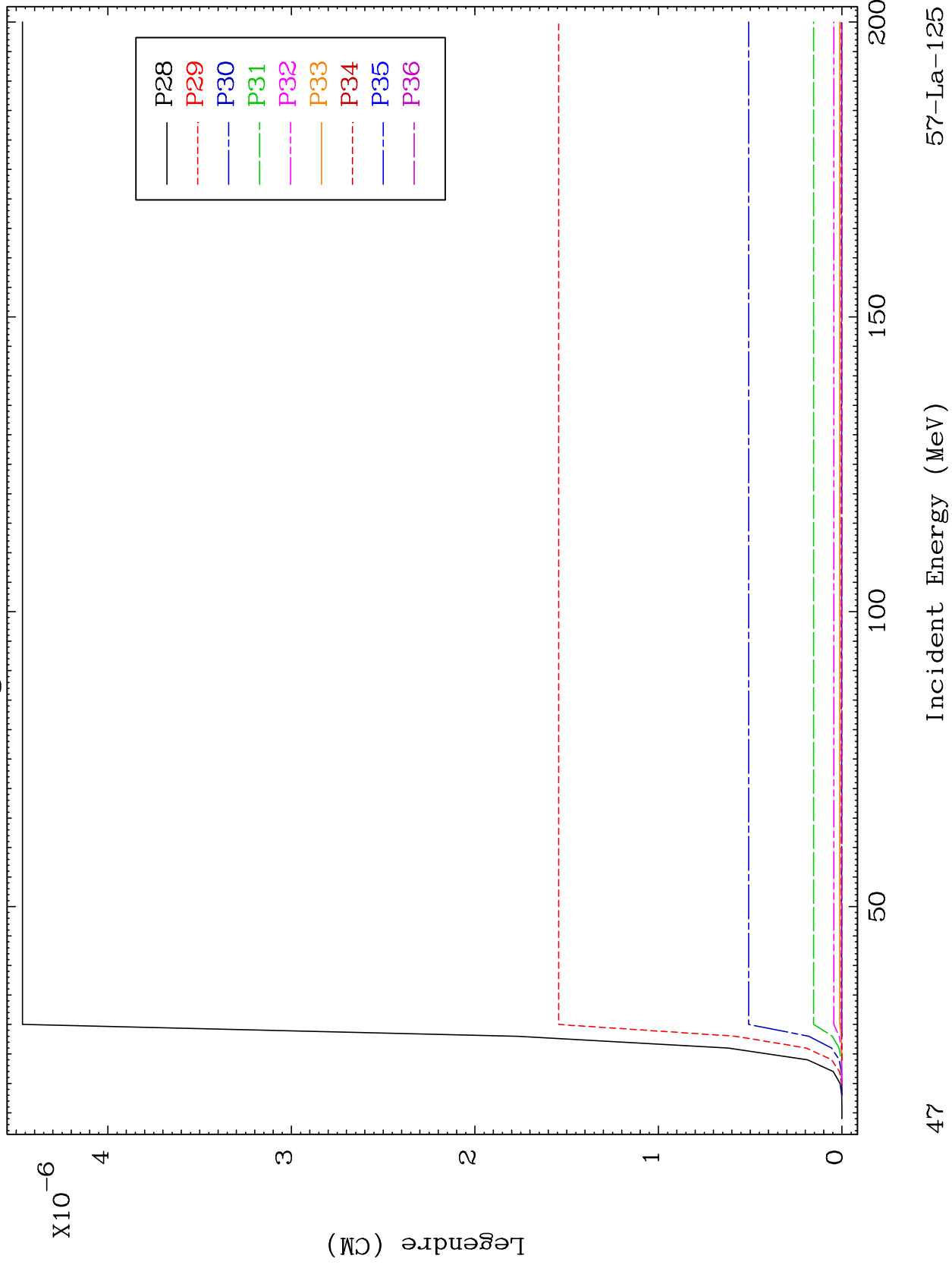
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125

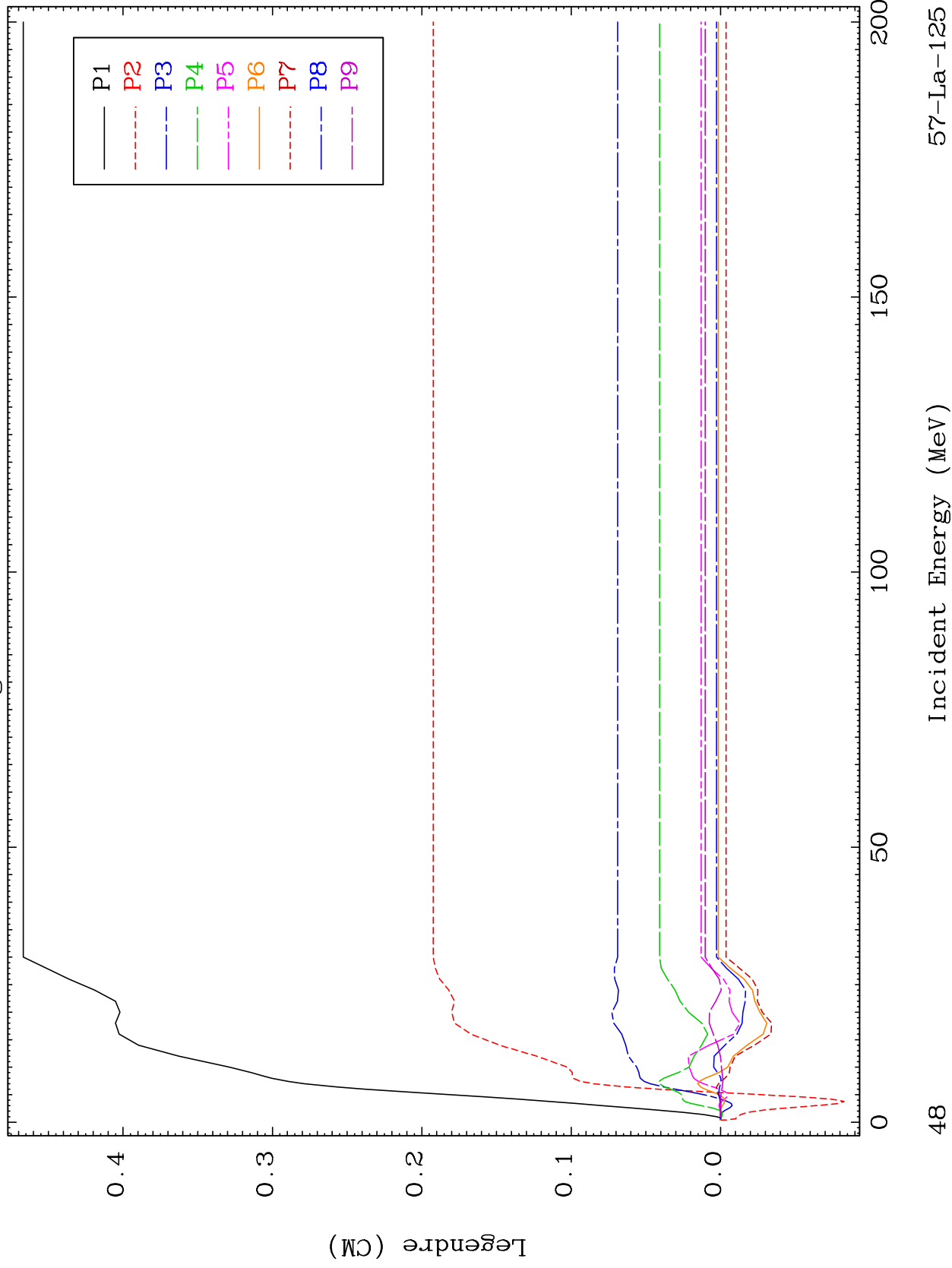




MAT 5686

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

57-La-125



57-La-125

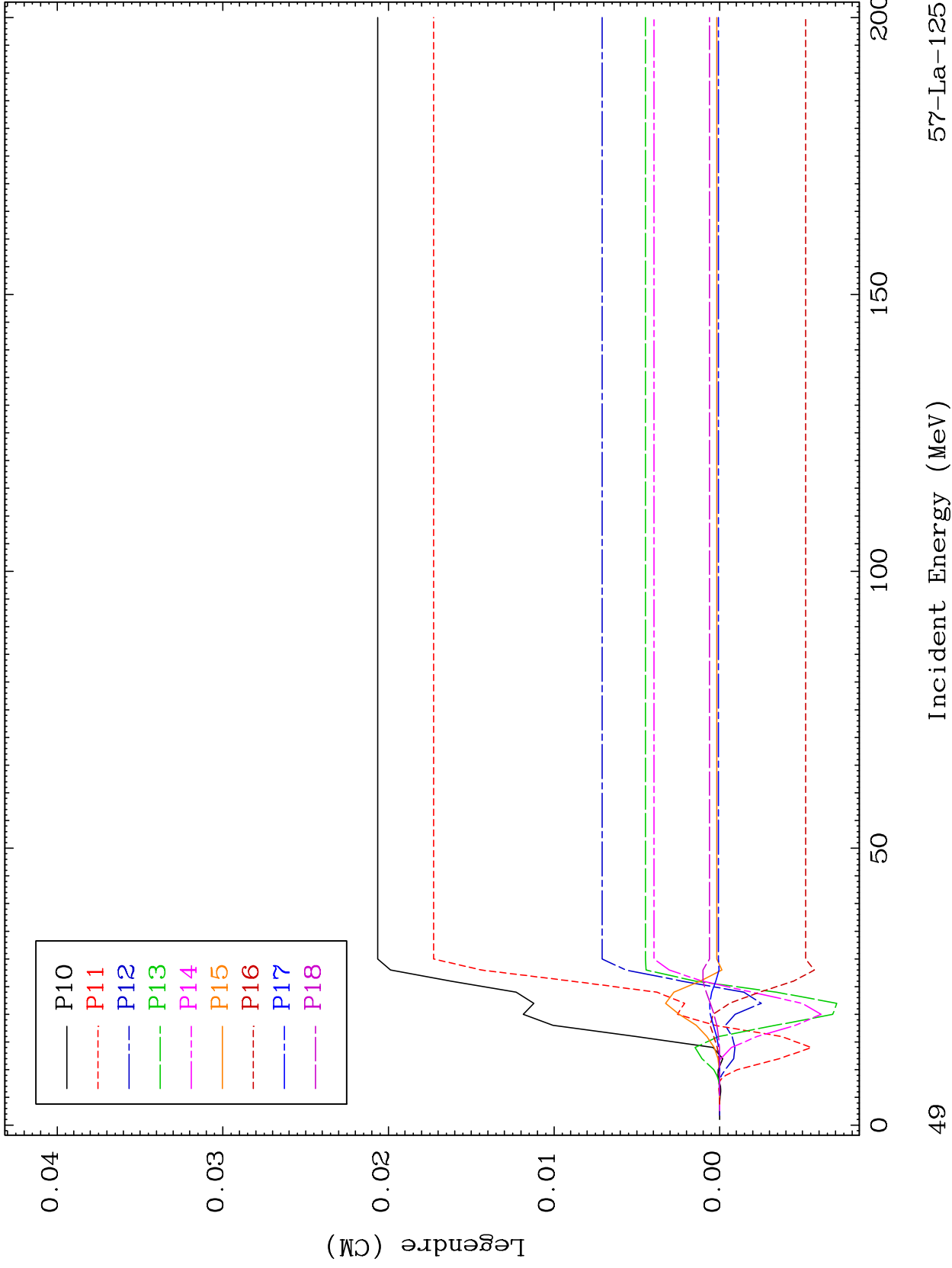
Incident Energy (MeV)

48

MAT 5686

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

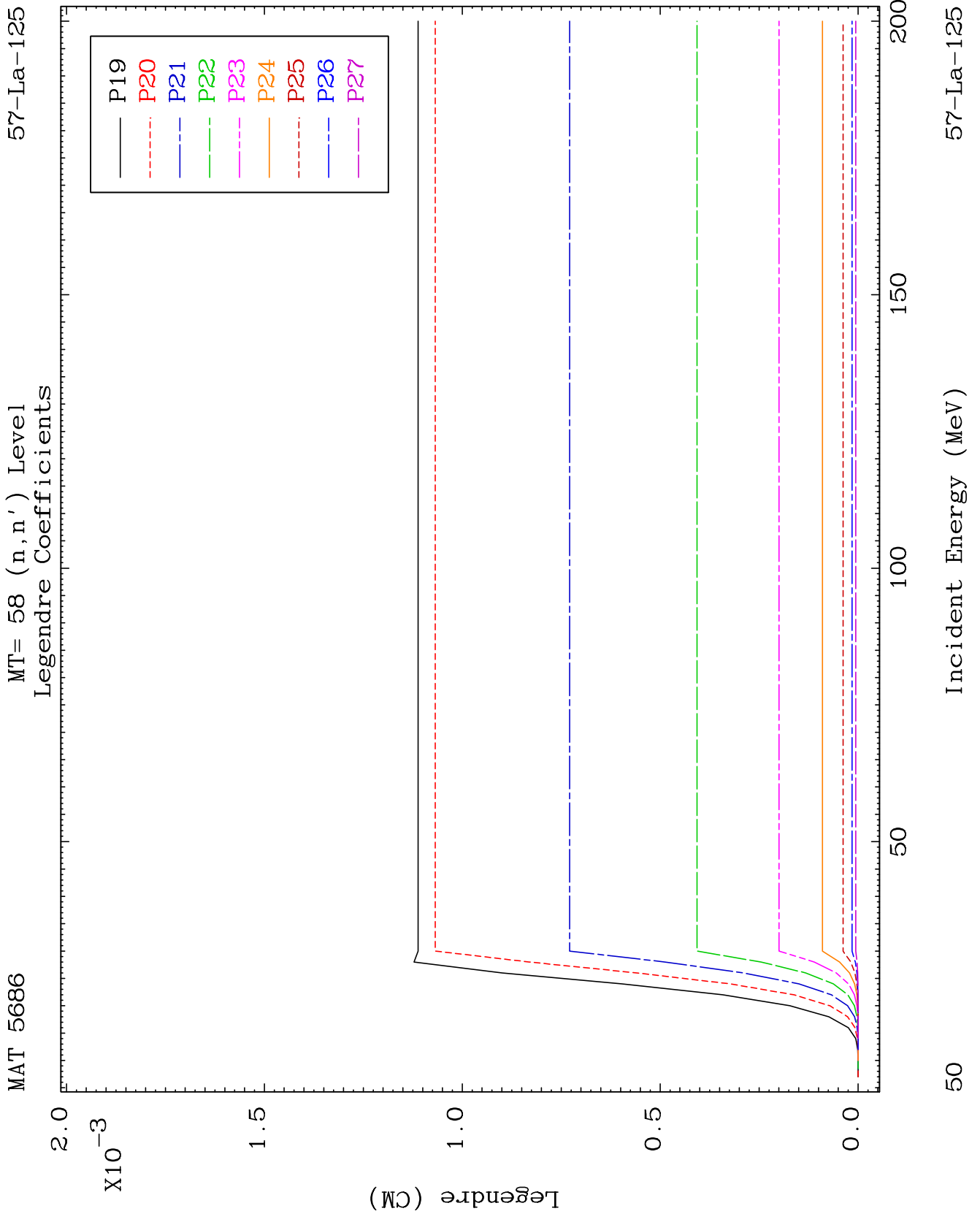
57-La-125



49

Incident Energy (MeV)

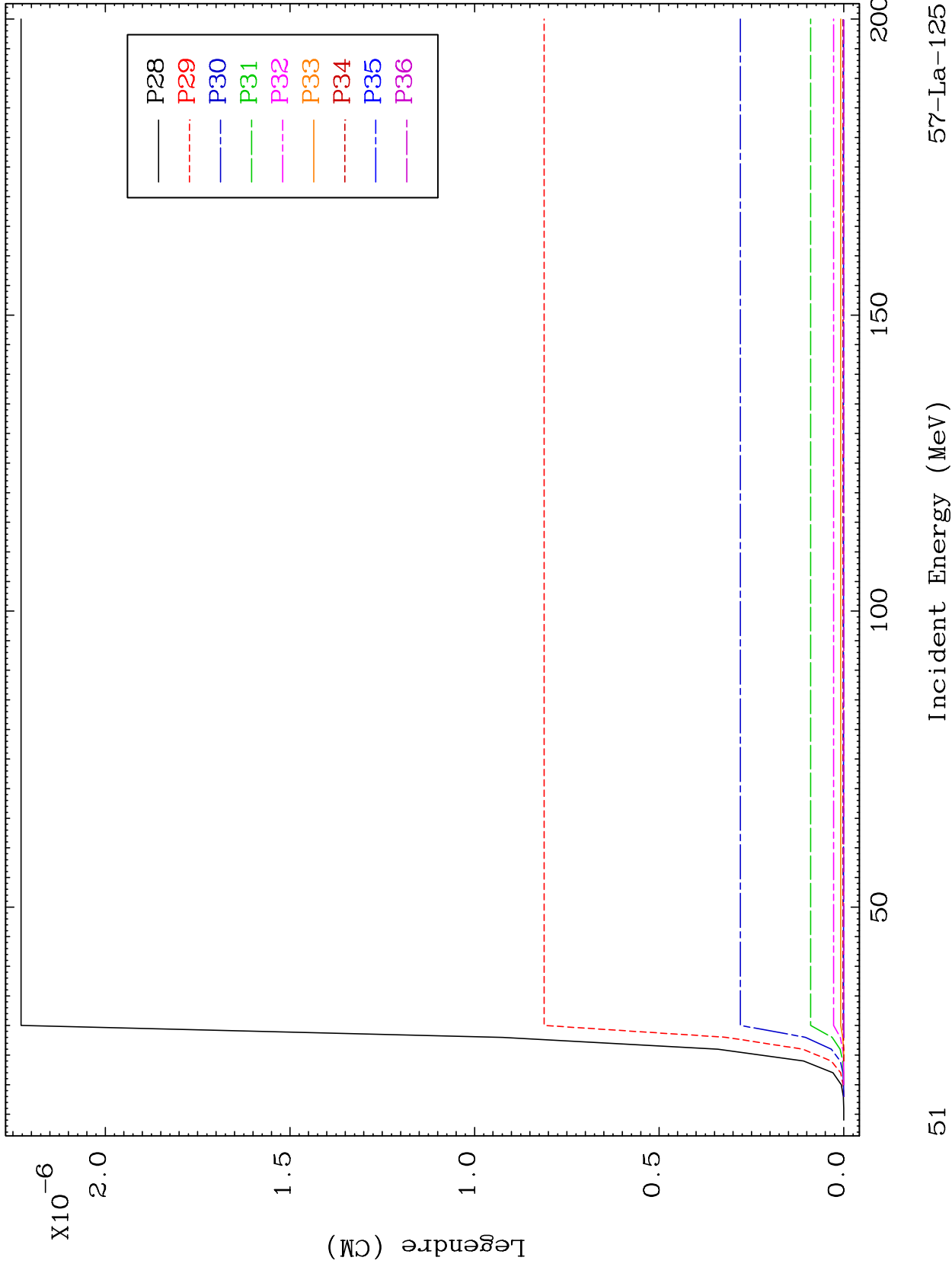
57-La-125



MAT 5686

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

57-La-125



51

Incident Energy (MeV)

57-La-125

200

150

100

50

2.0

1.5

1.0

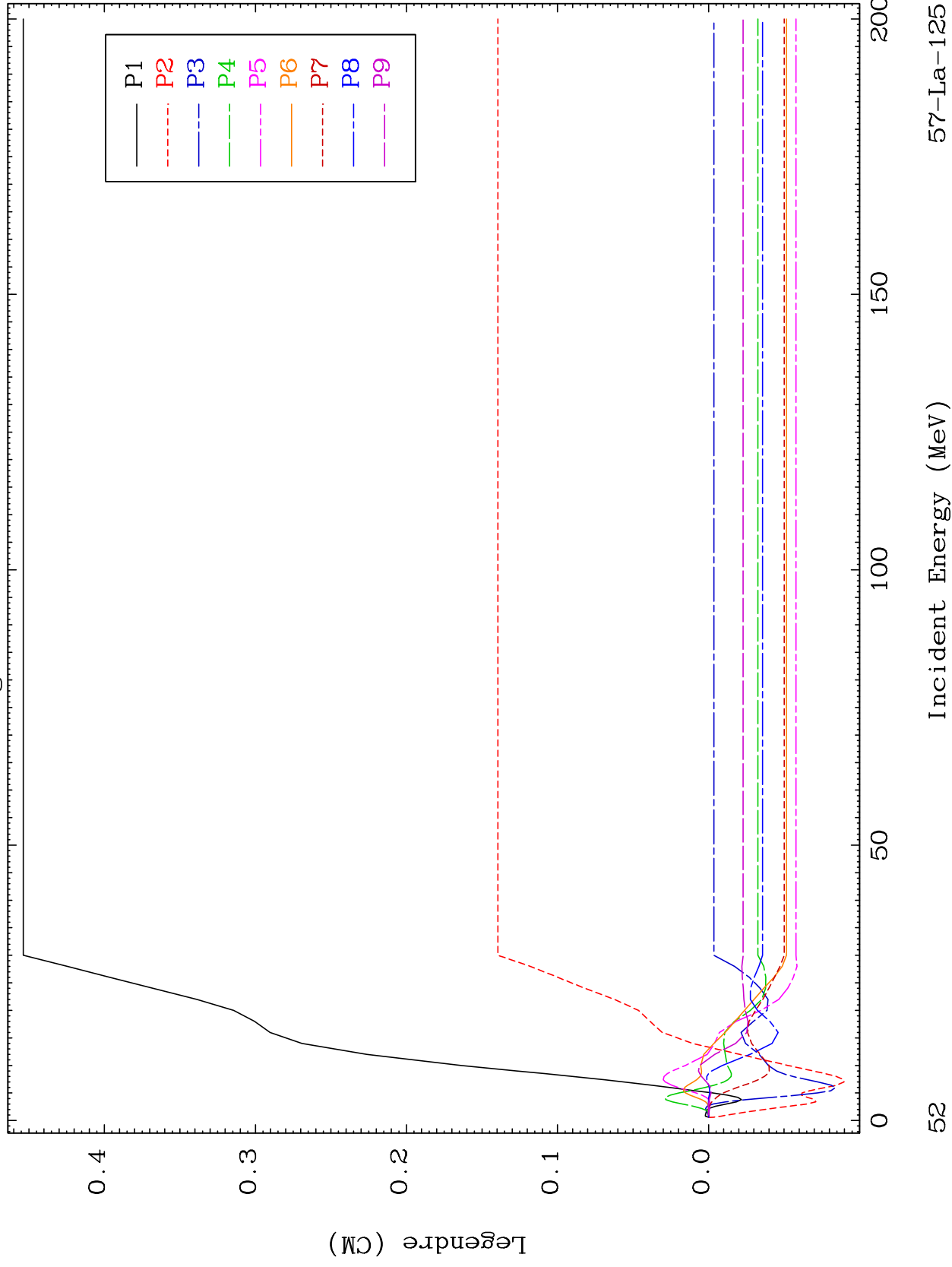
0.5

0.0

MAT 5686

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

57-La-125



57-La-125

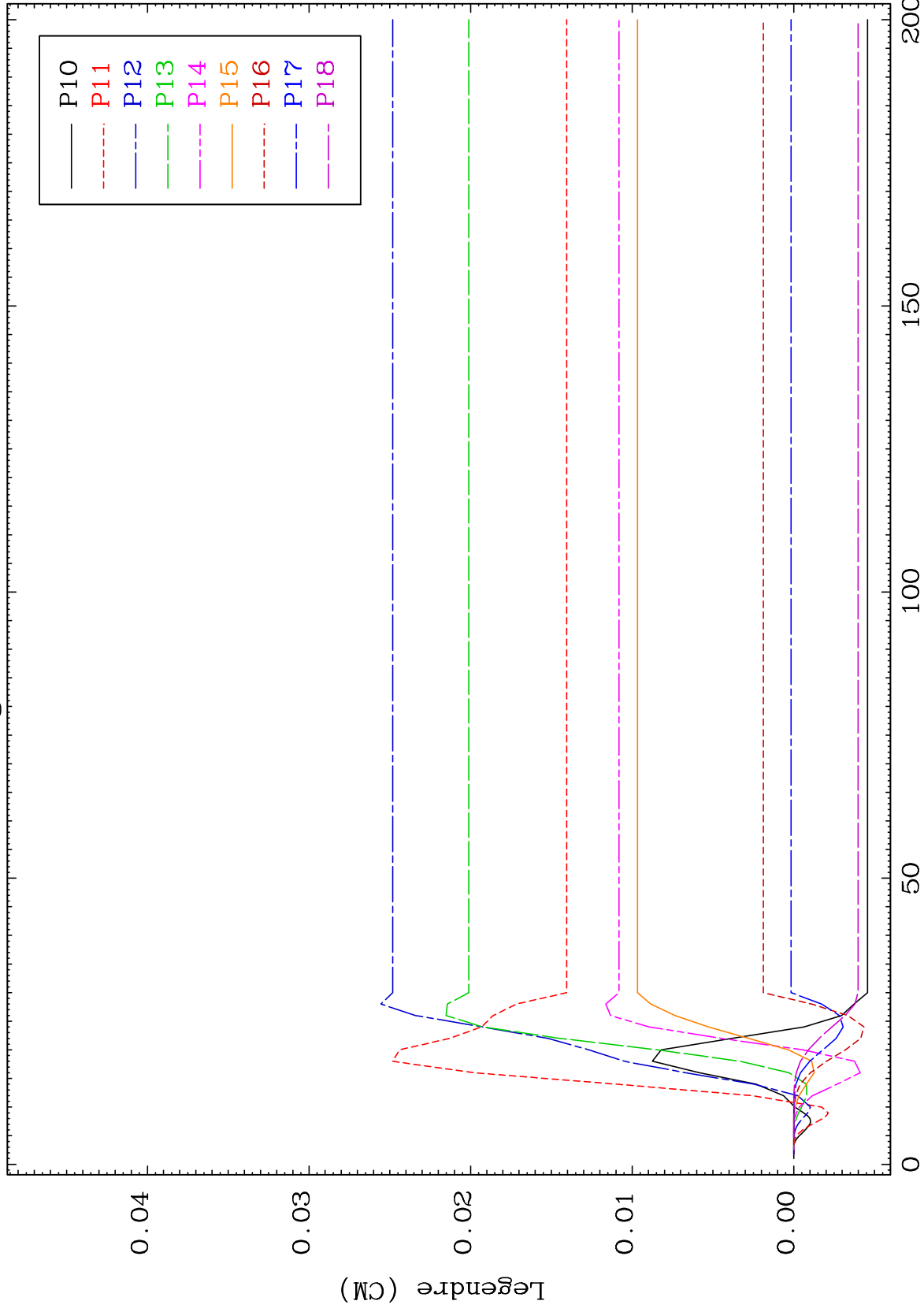
Incident Energy (MeV)

52

MAT 5686

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

57-La-125



53

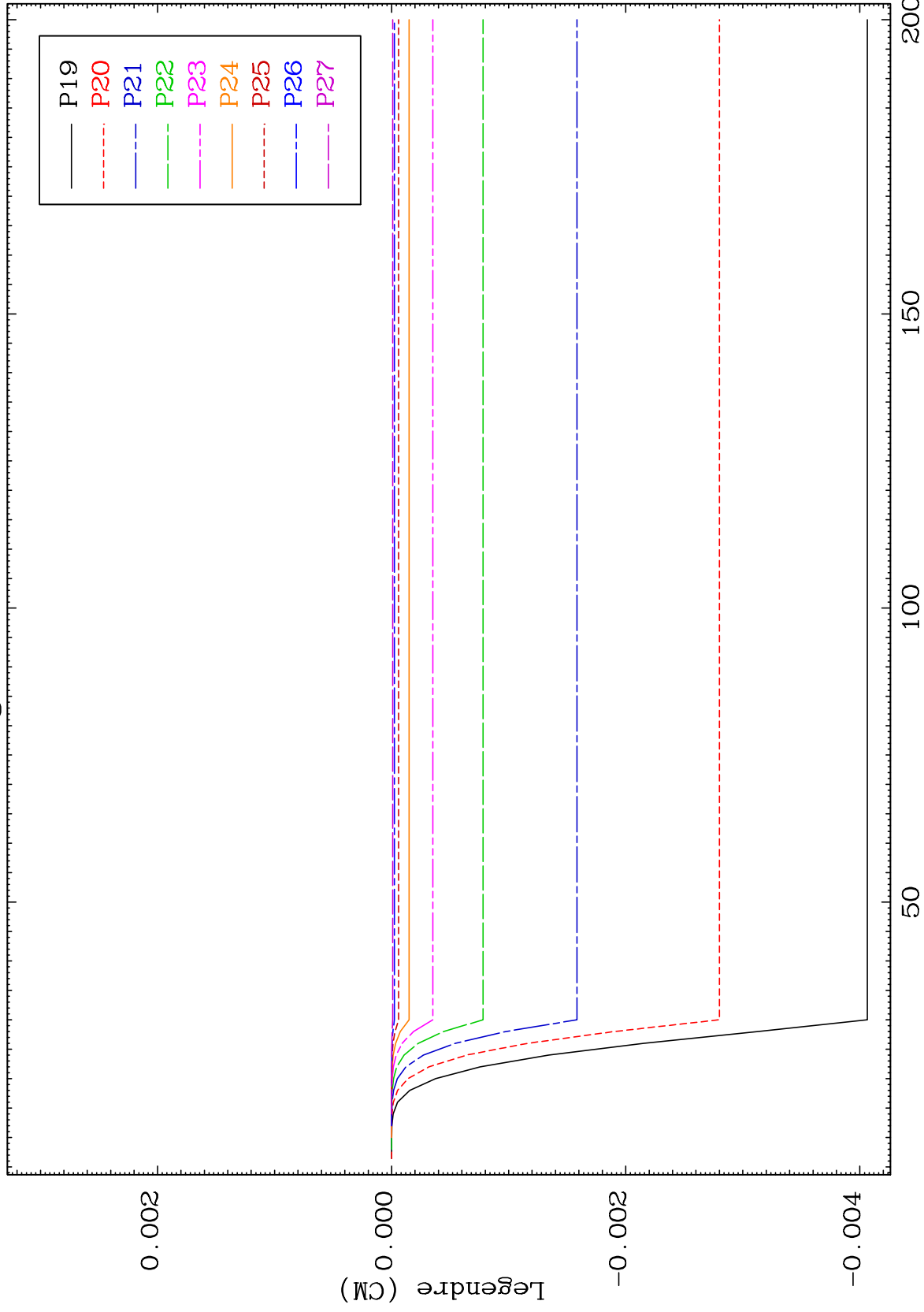
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



54

Incident Energy (MeV)

57-La-125

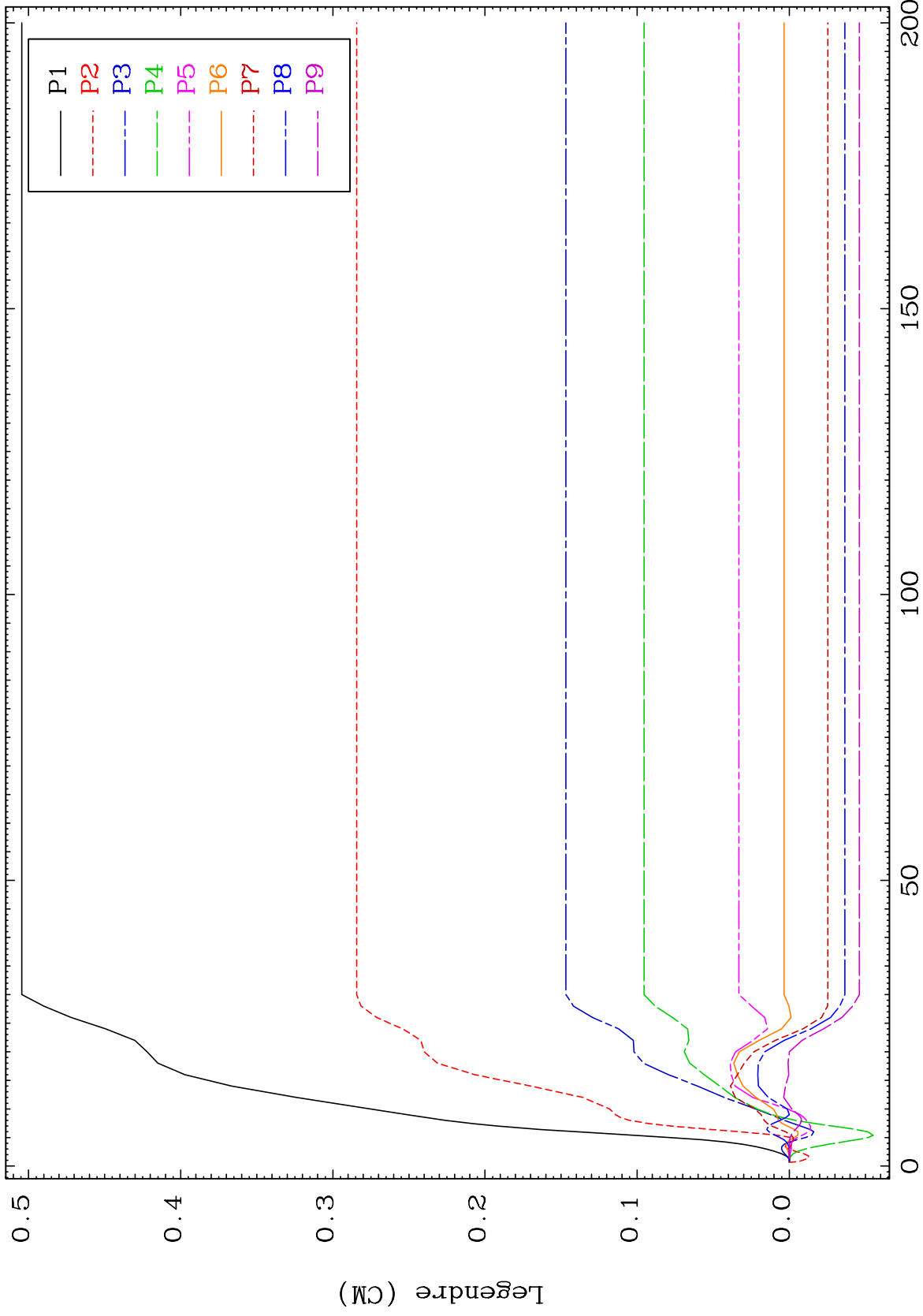




MAT 5686

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

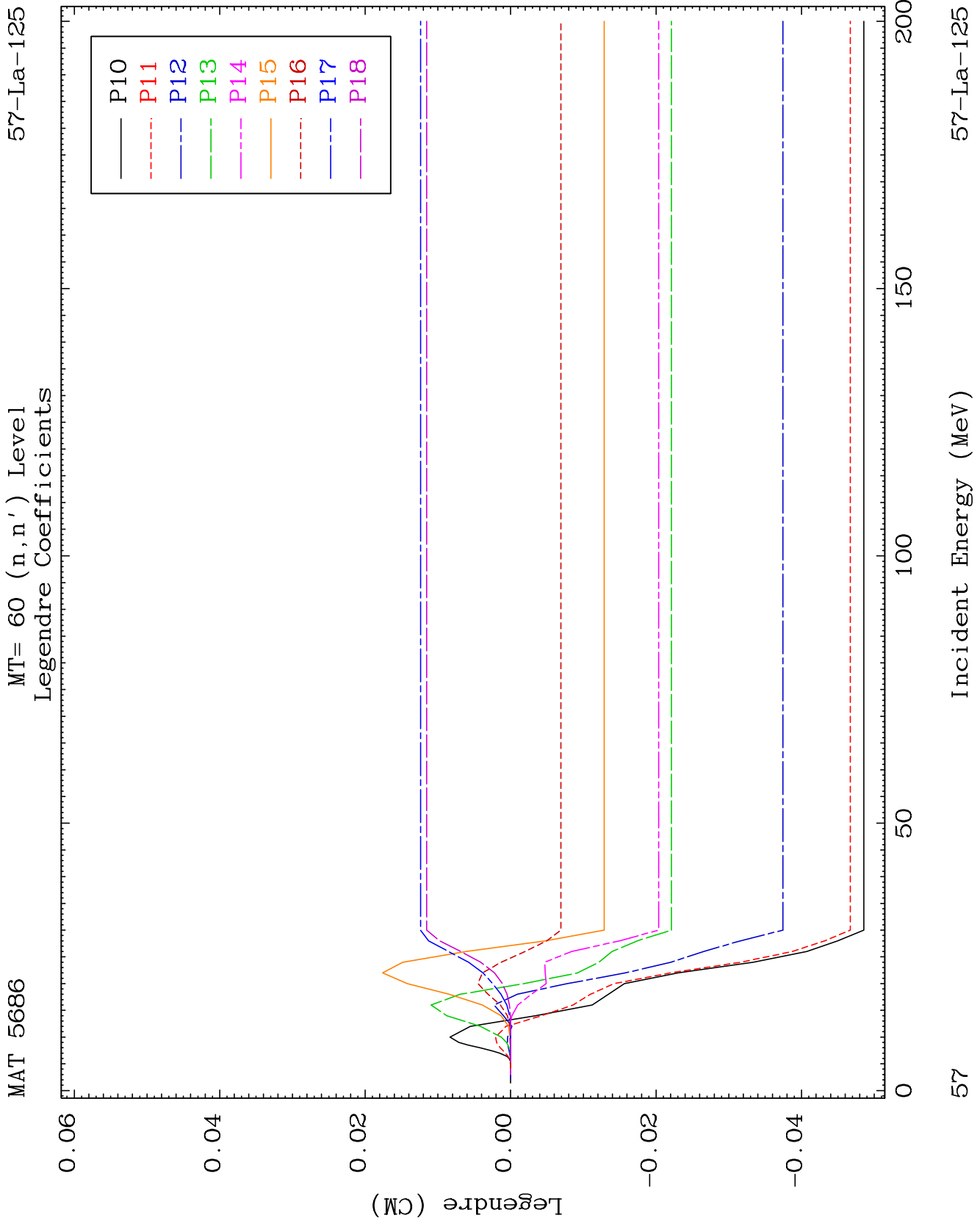
57-La-125



57-La-125

Incident Energy (MeV)

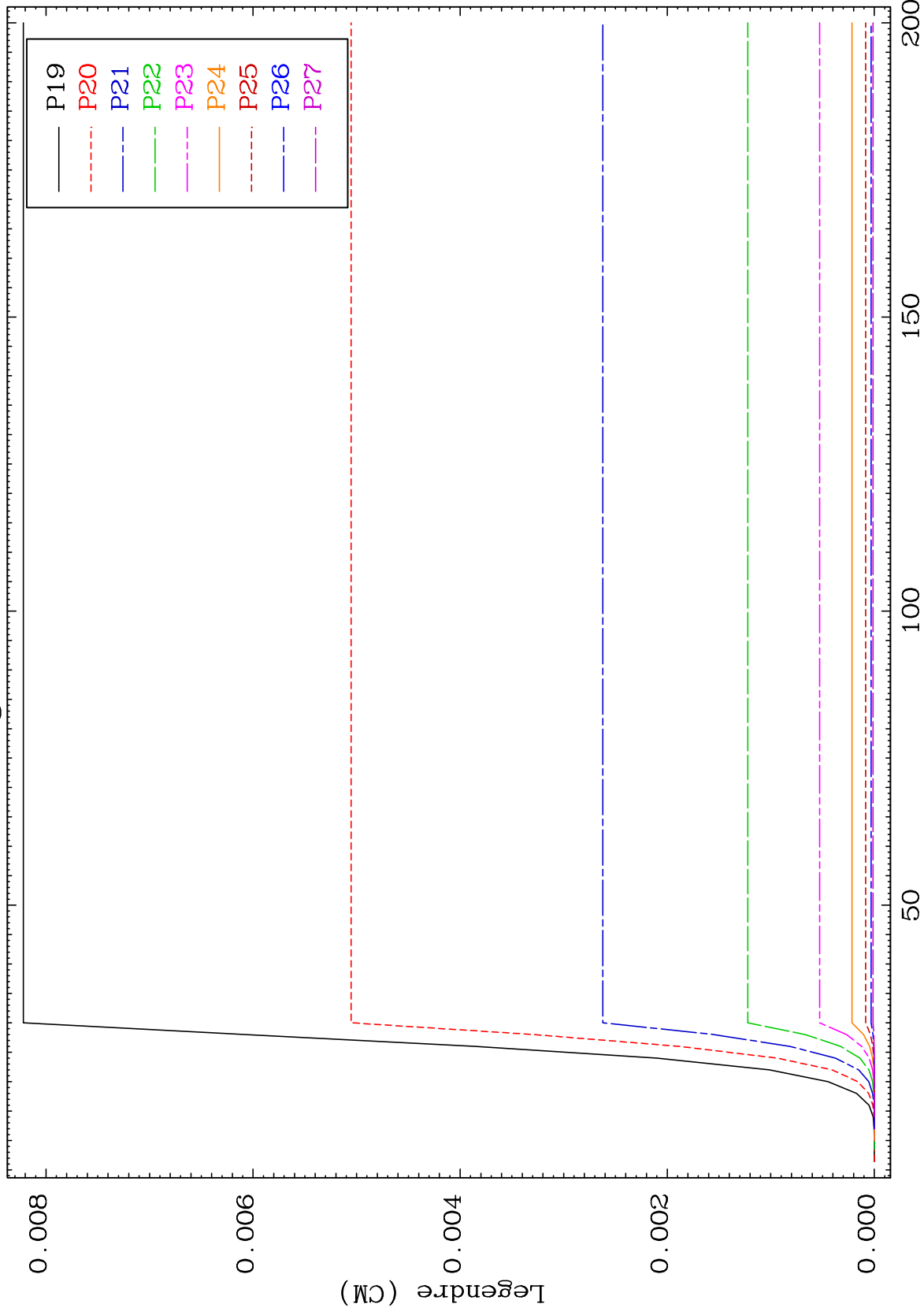
56



MAT 5686

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

57-La-125



58

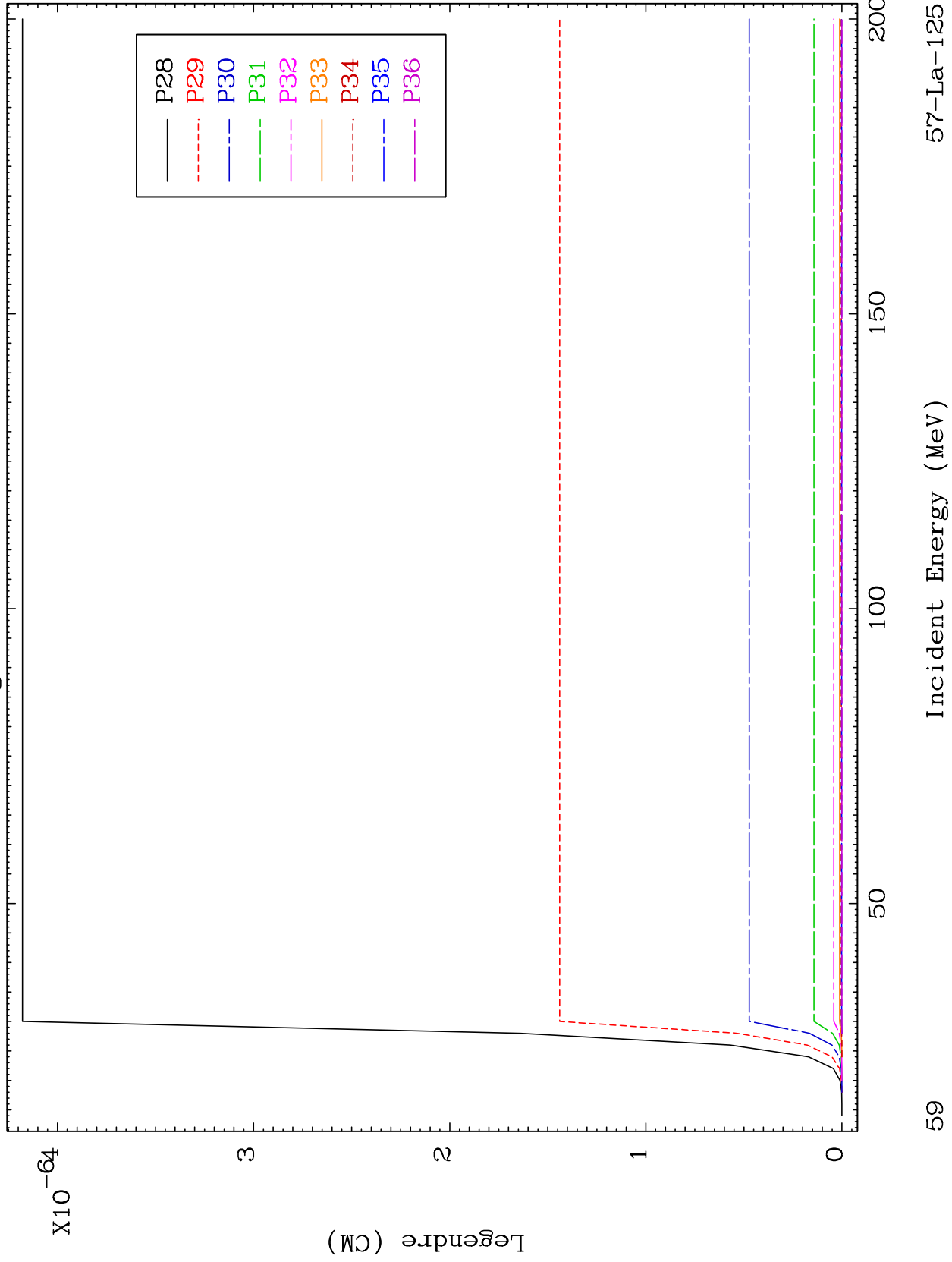
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



59

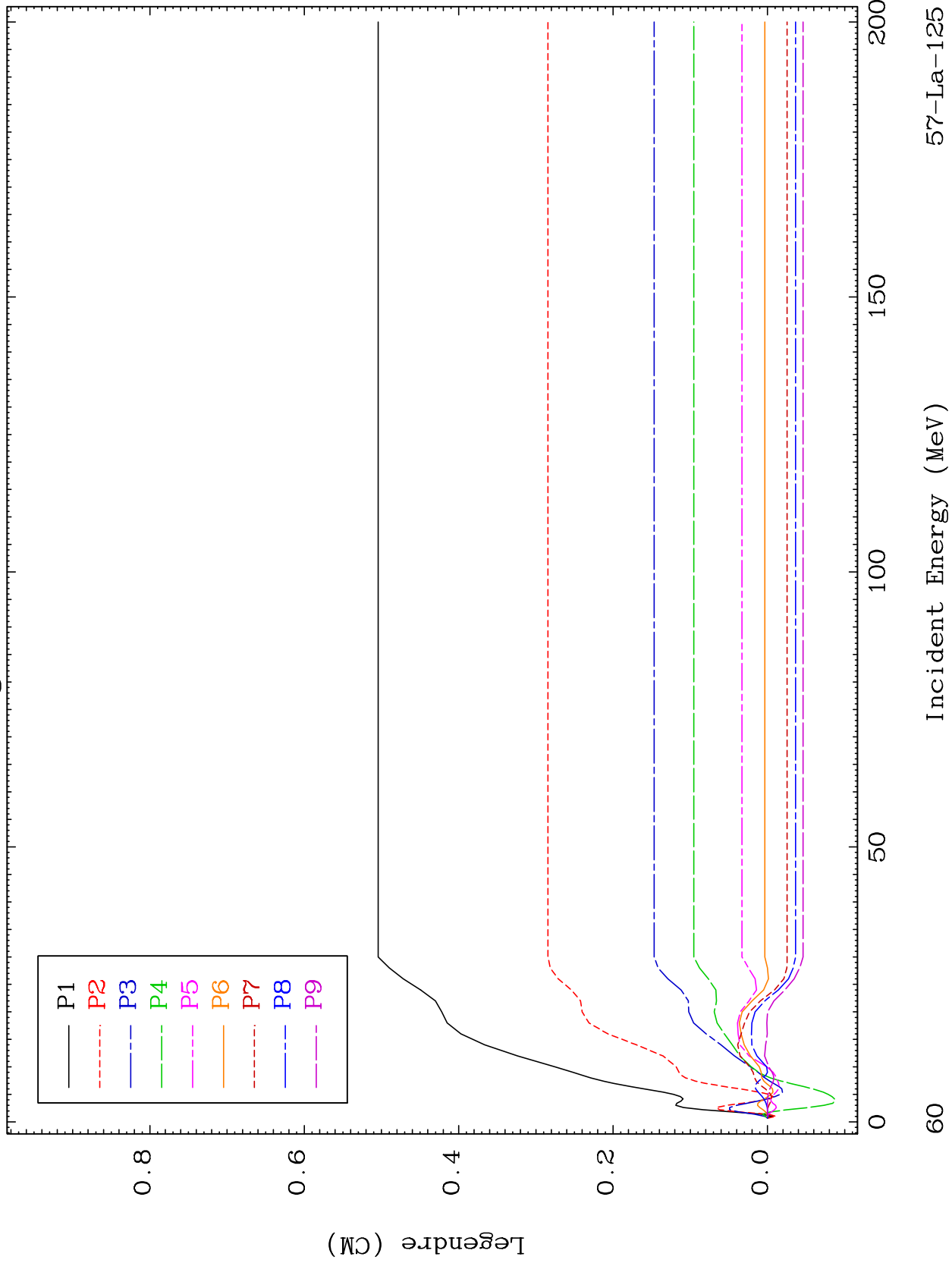
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



57-La-125

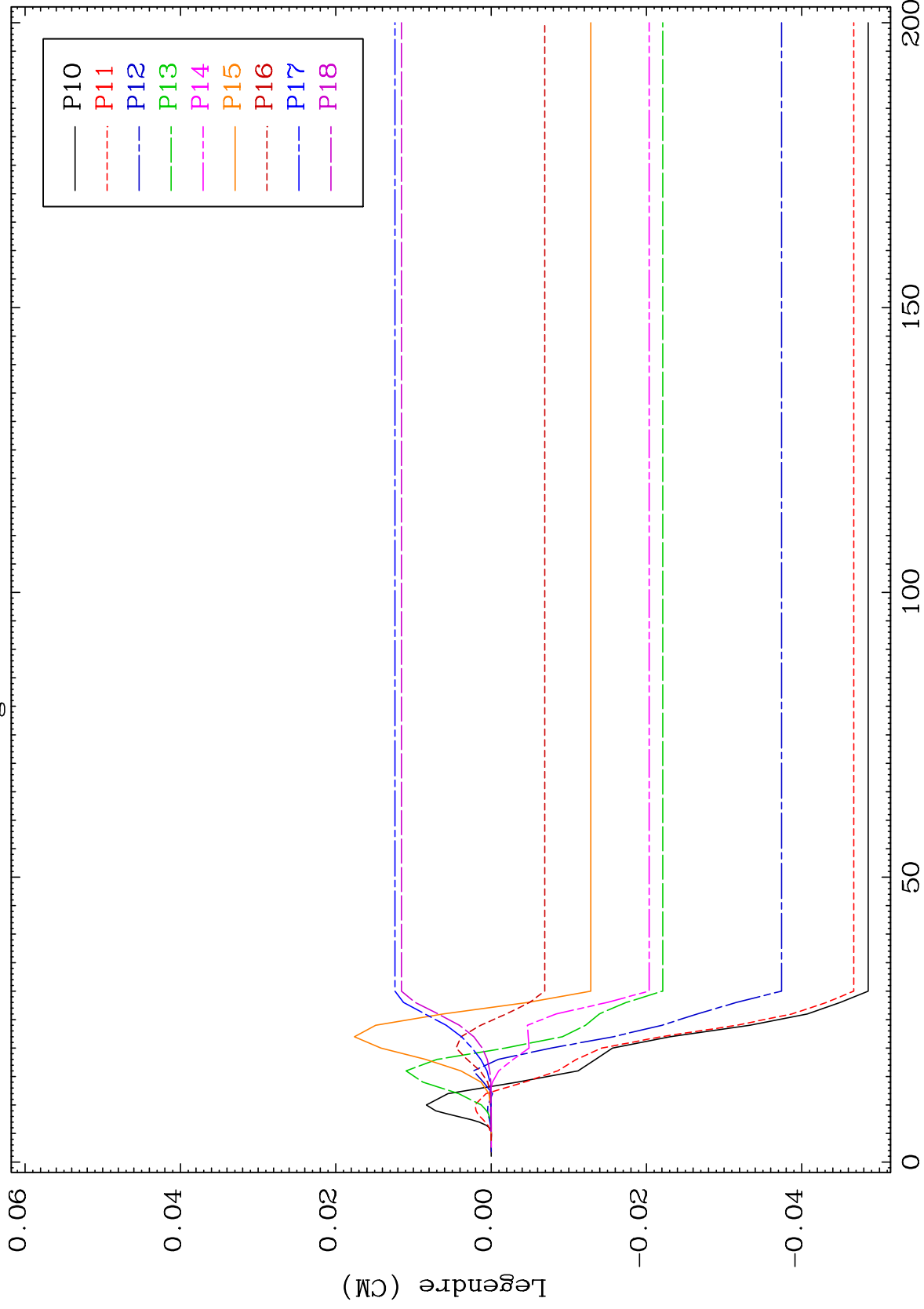
Incident Energy (MeV)

60

MAT 5686

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

57-La-125



61

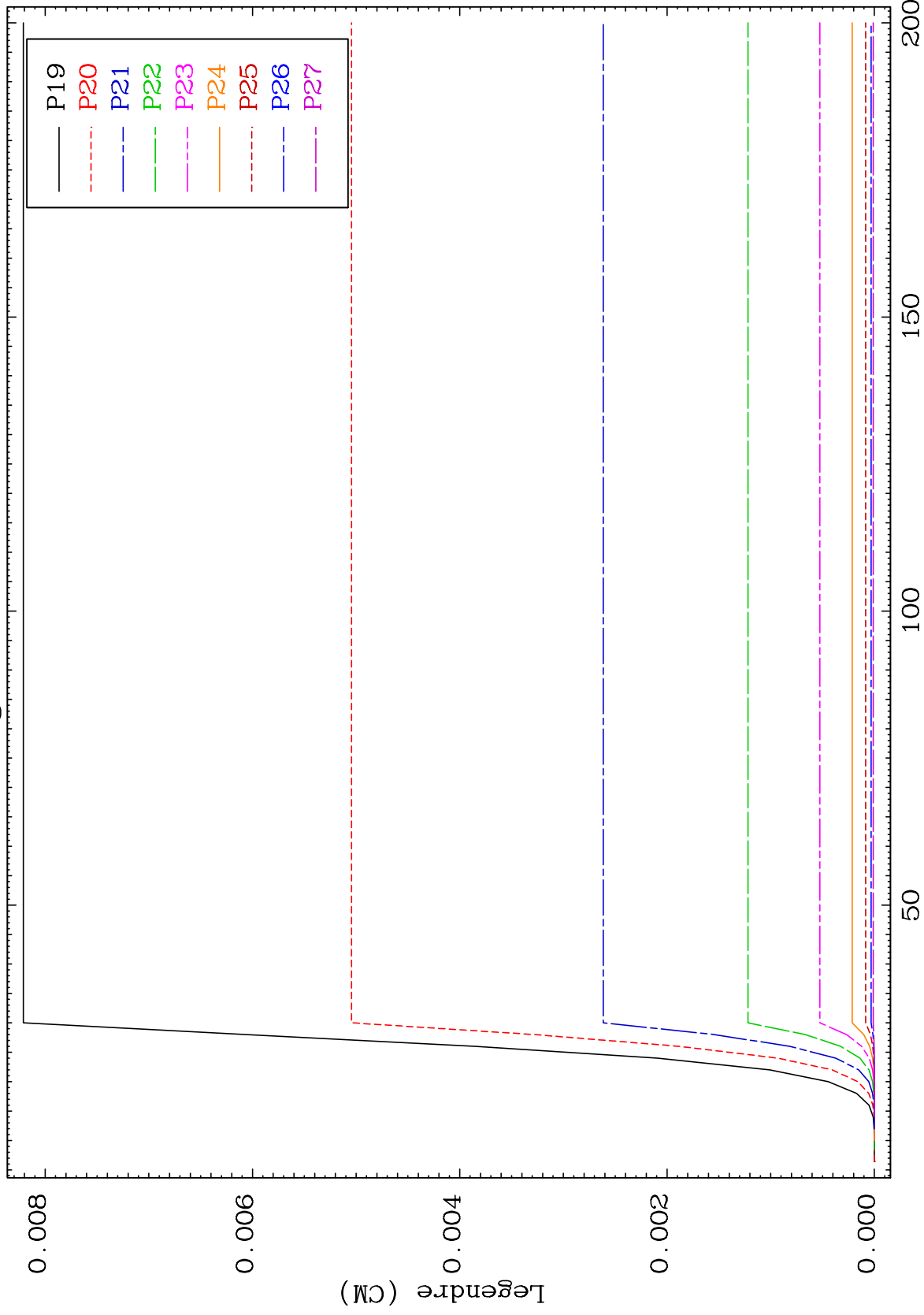
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



62

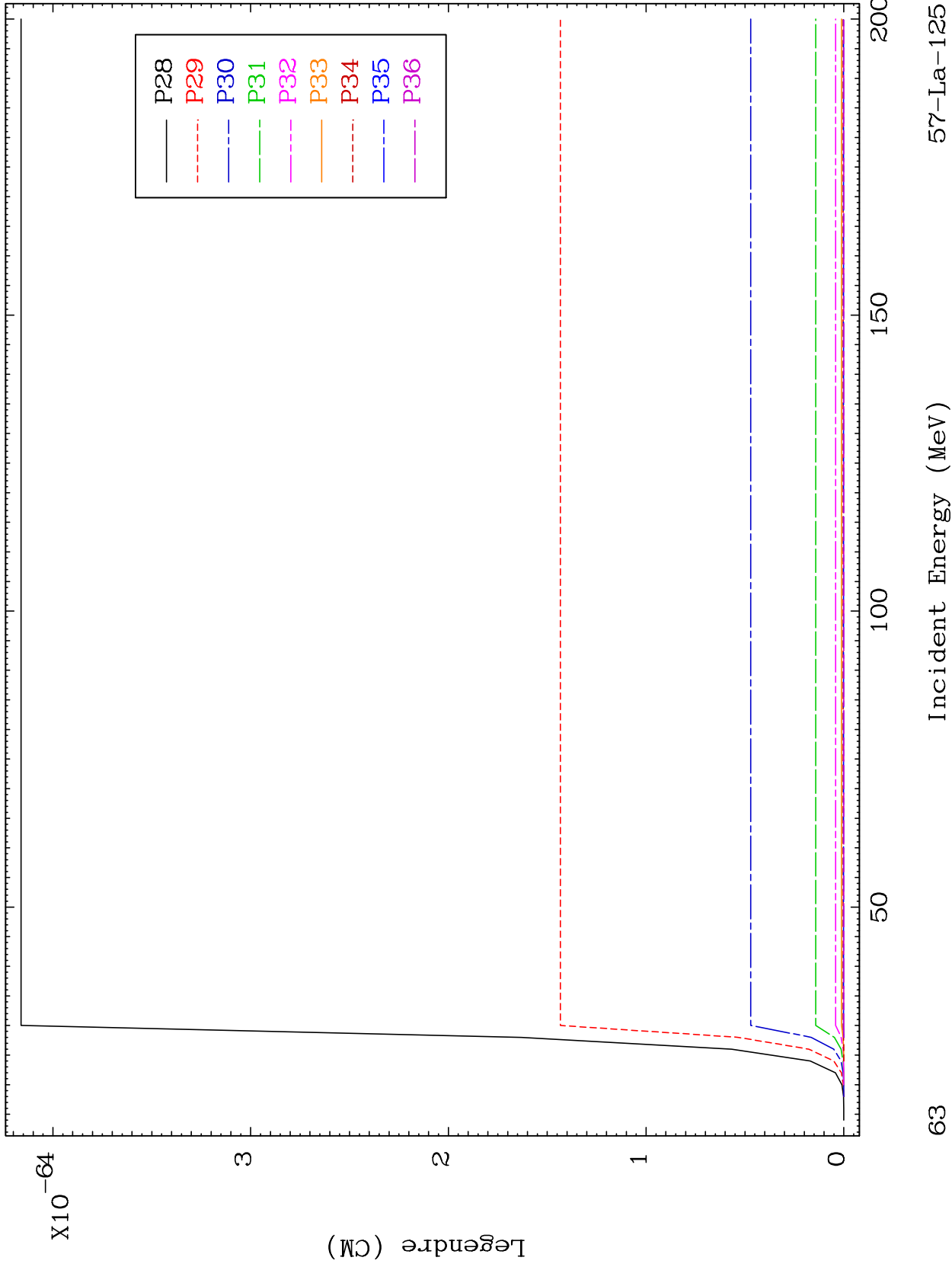
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125

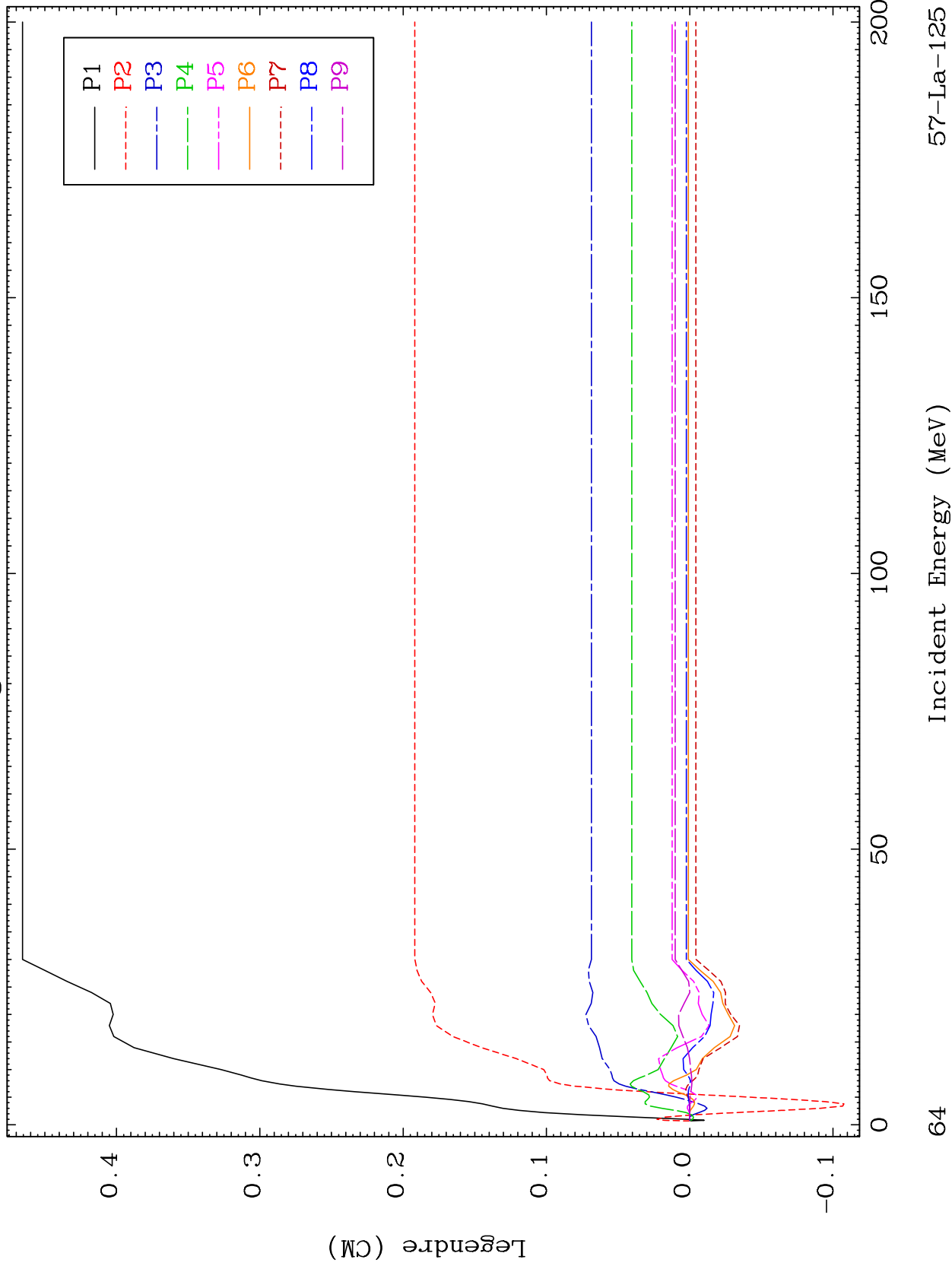




MAT 5686

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

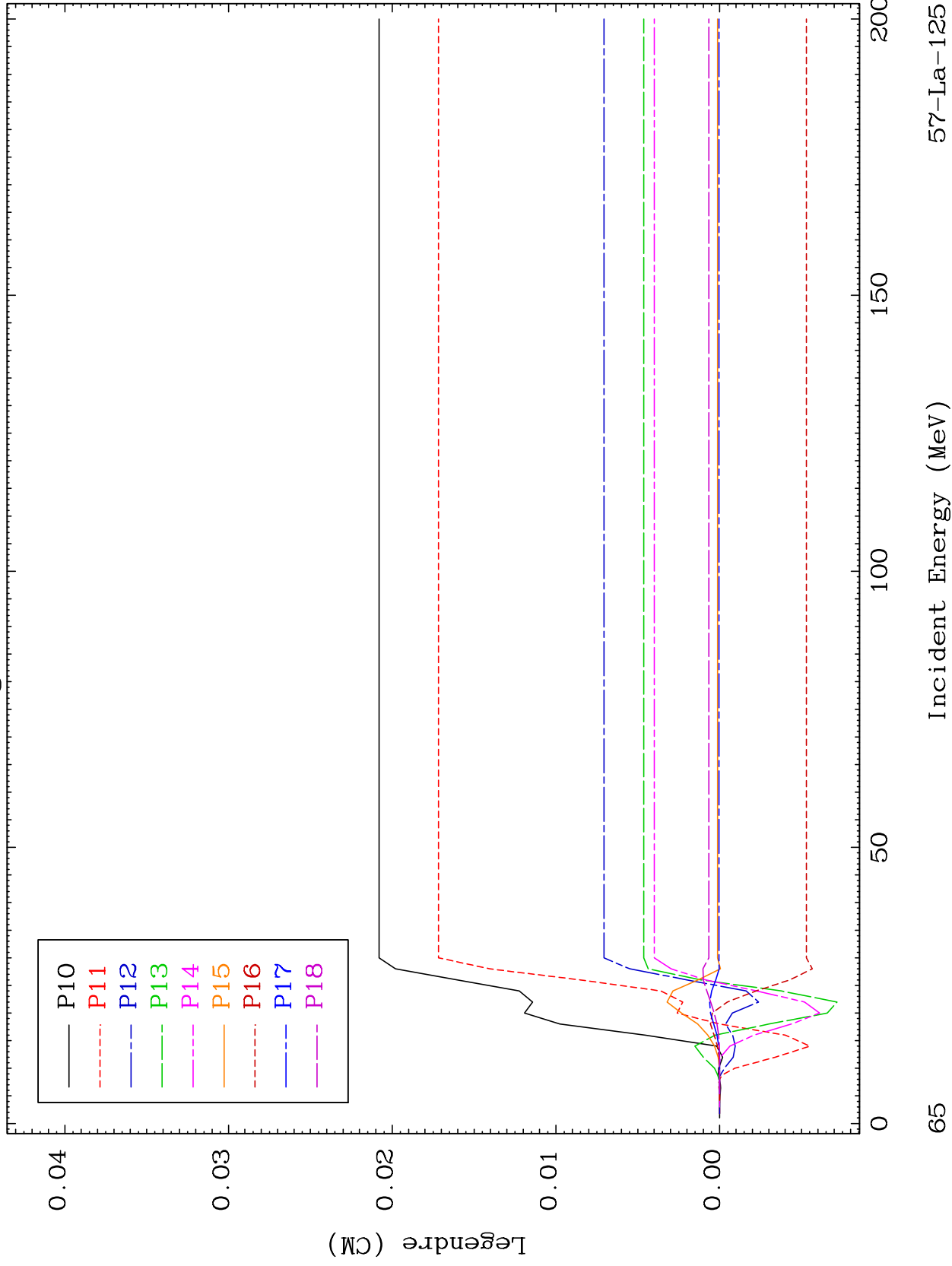
57-La-125

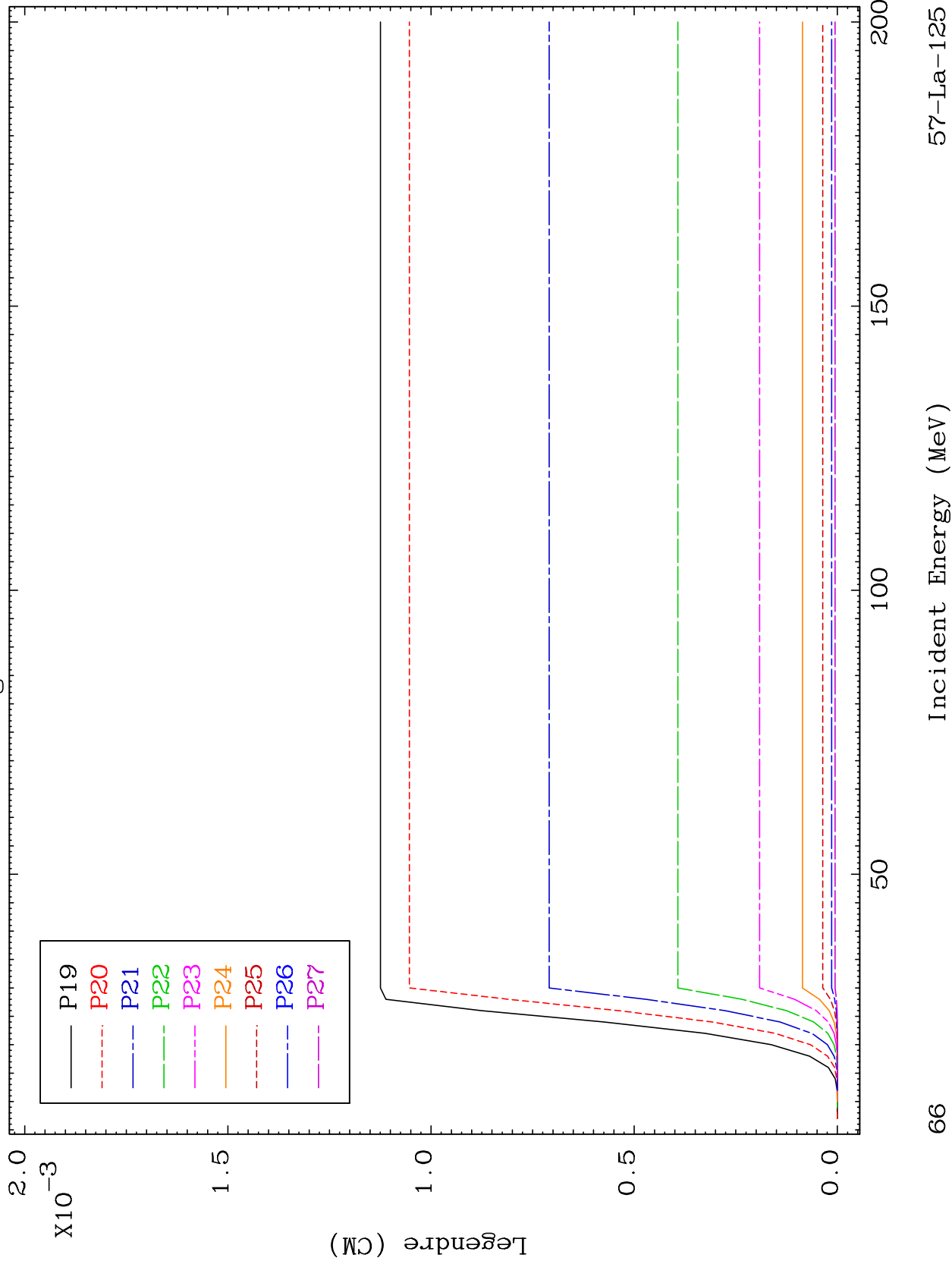


MAT 5686

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

57-La-125

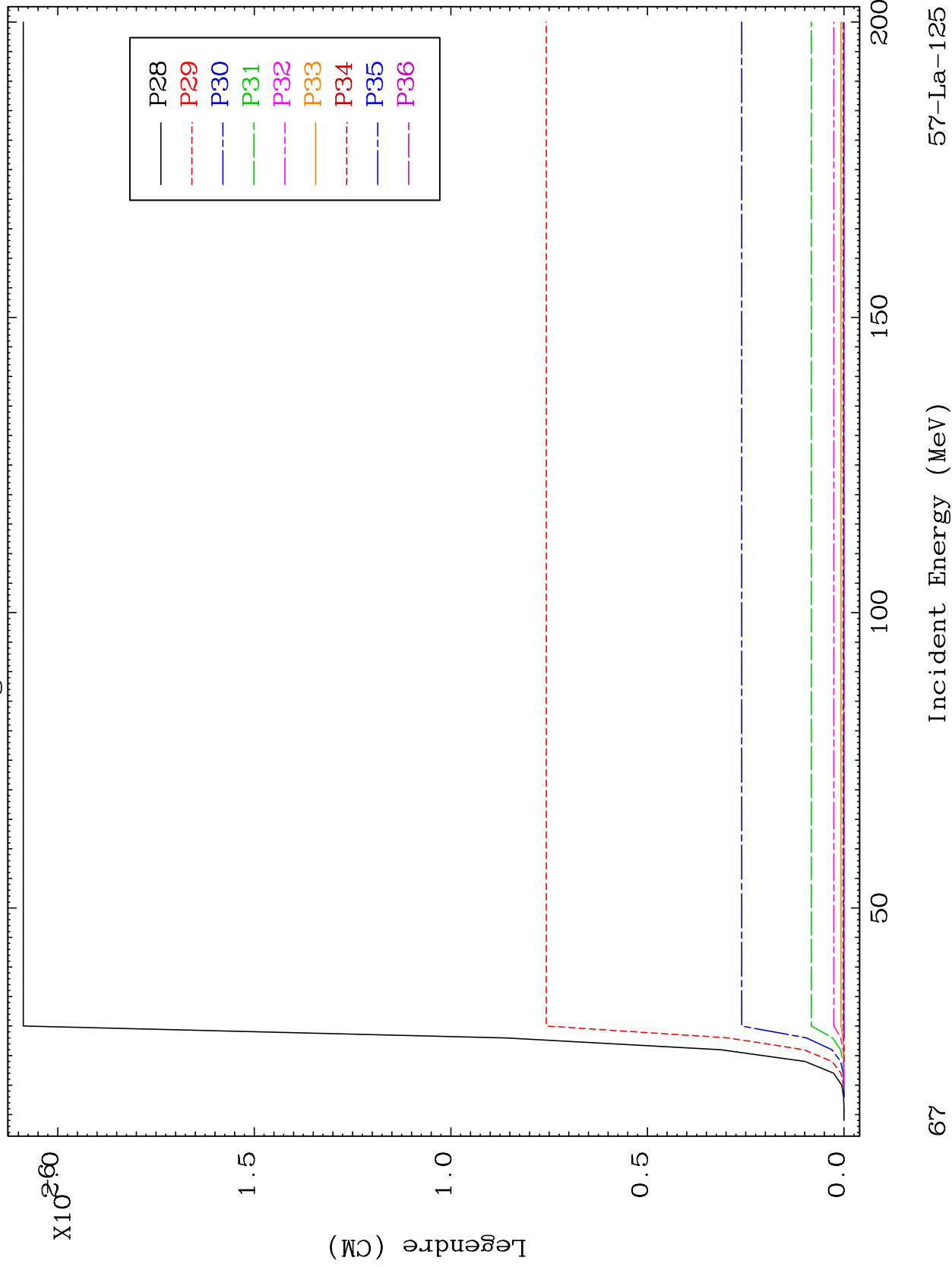




MAT 5686

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

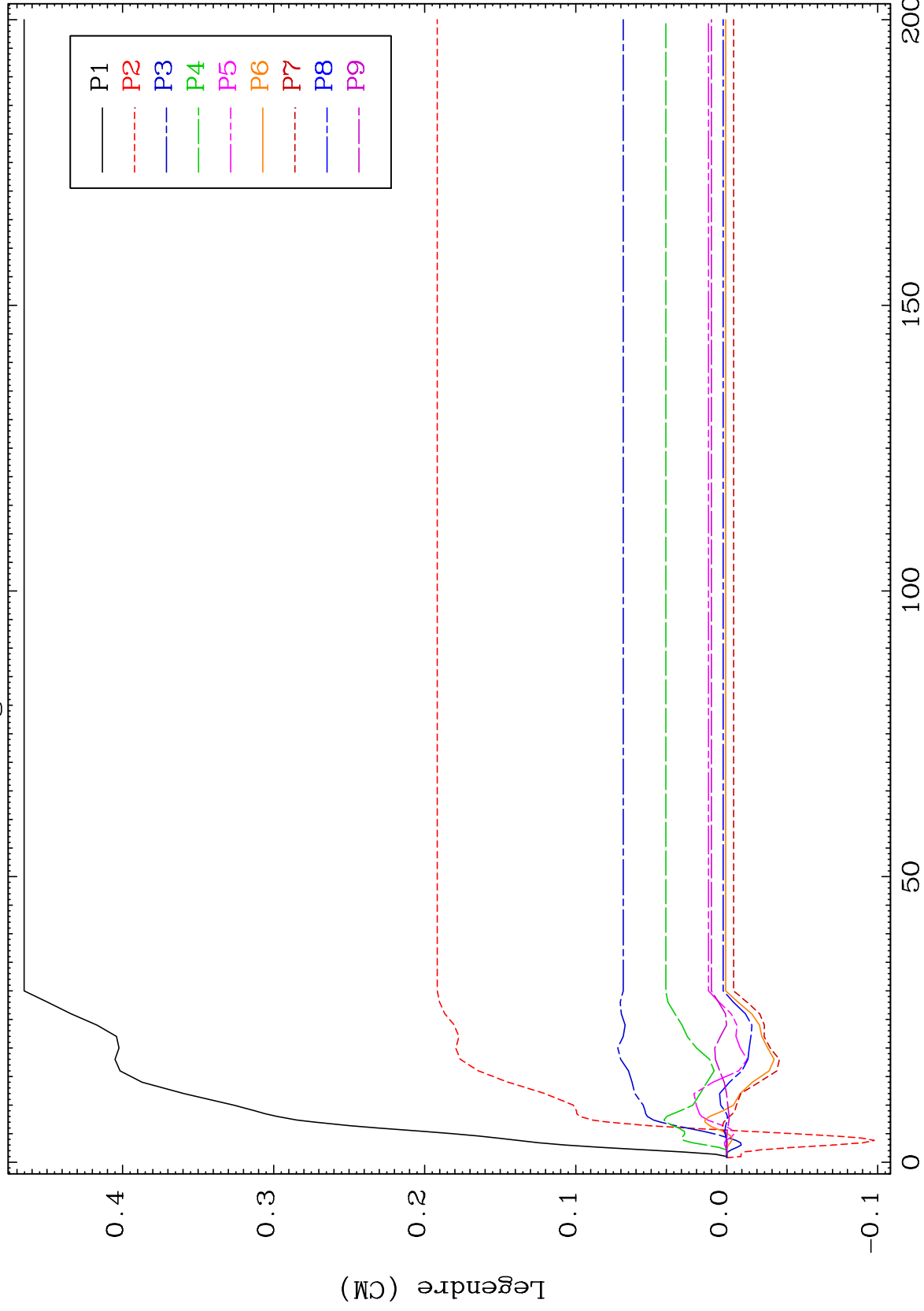
57-La-125



MAT 5686

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

57-La-125



68

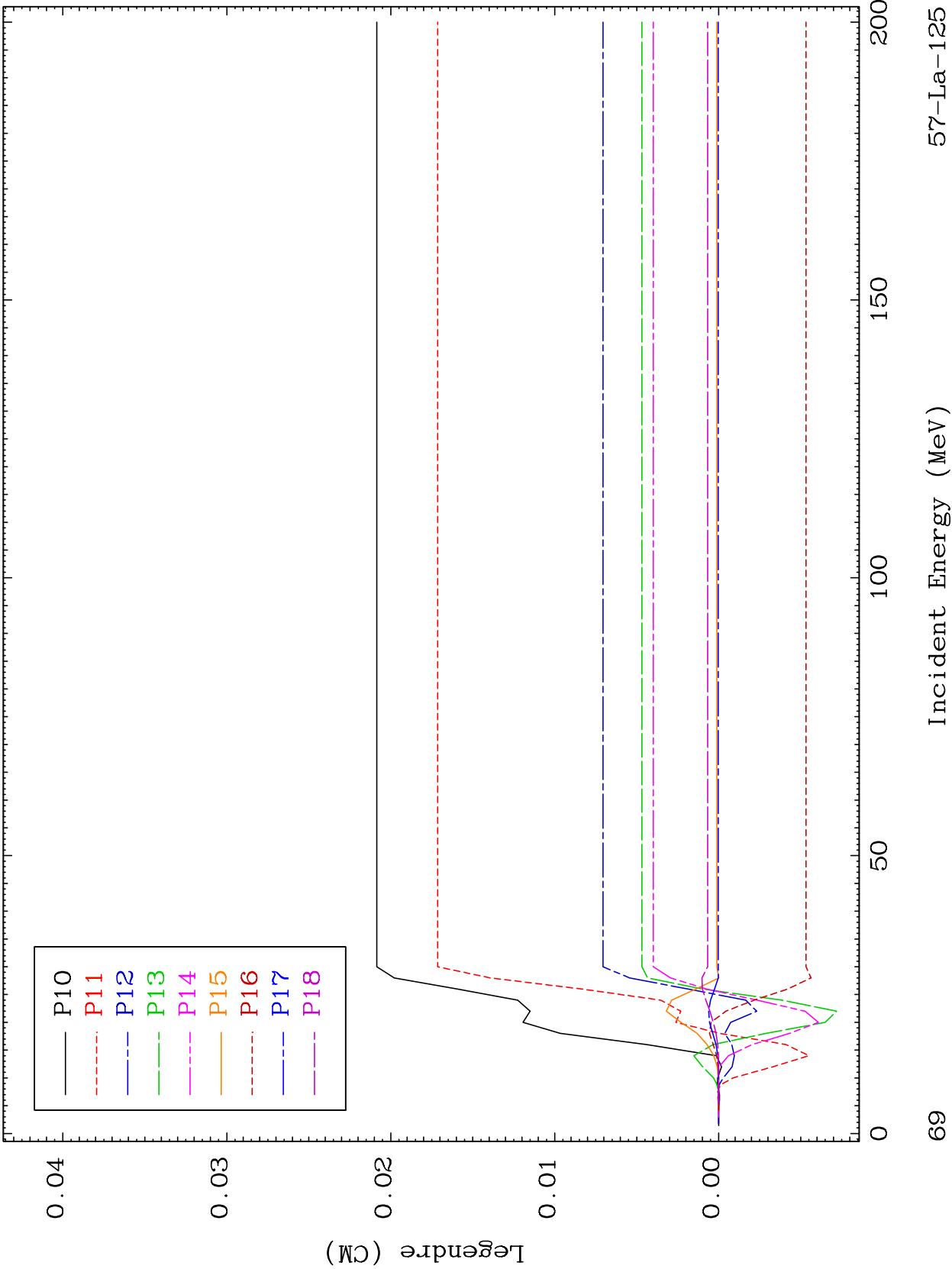
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



57-La-125

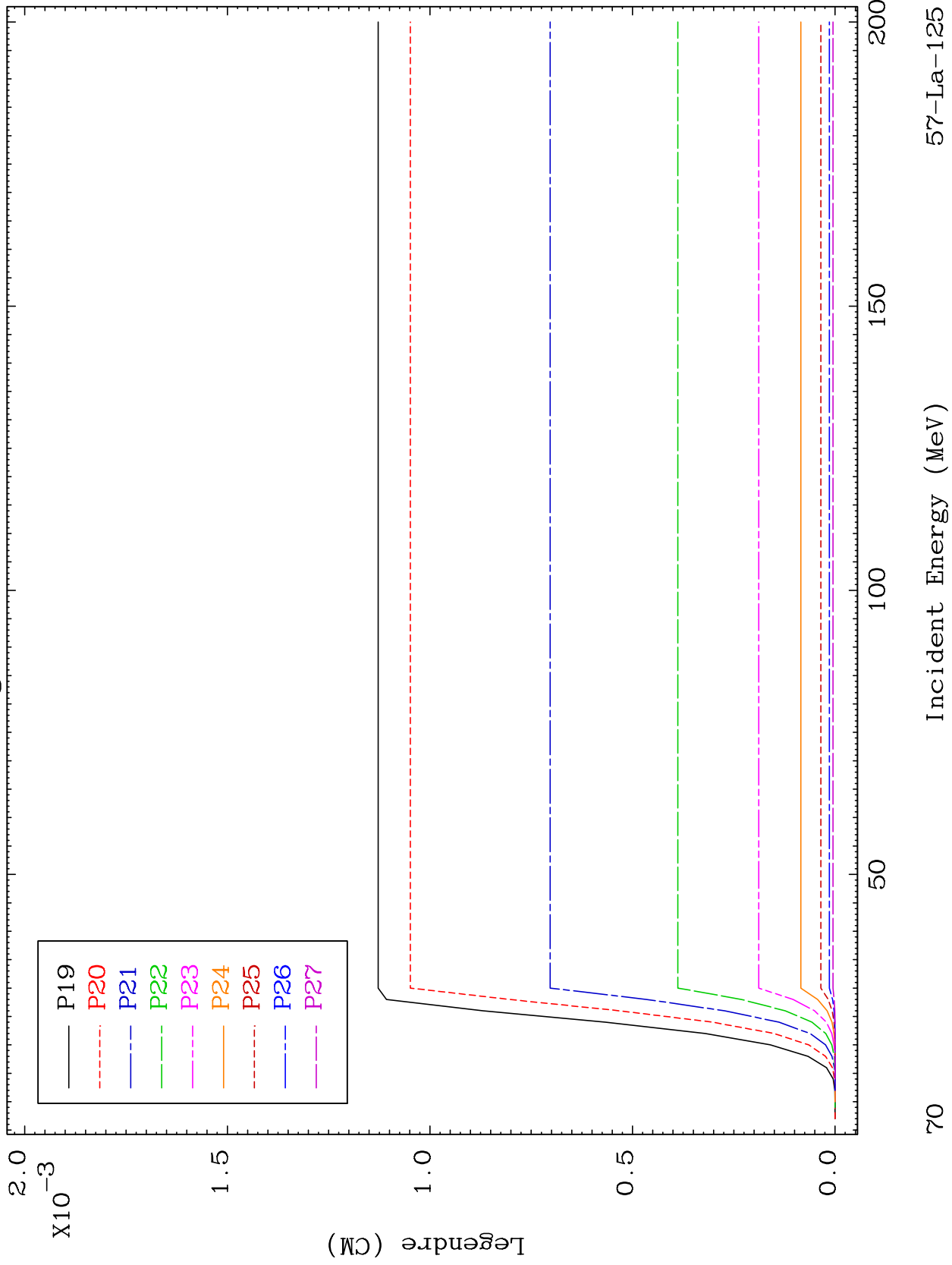
Incident Energy (MeV)

69

MAT 5686

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

57-La-125



70

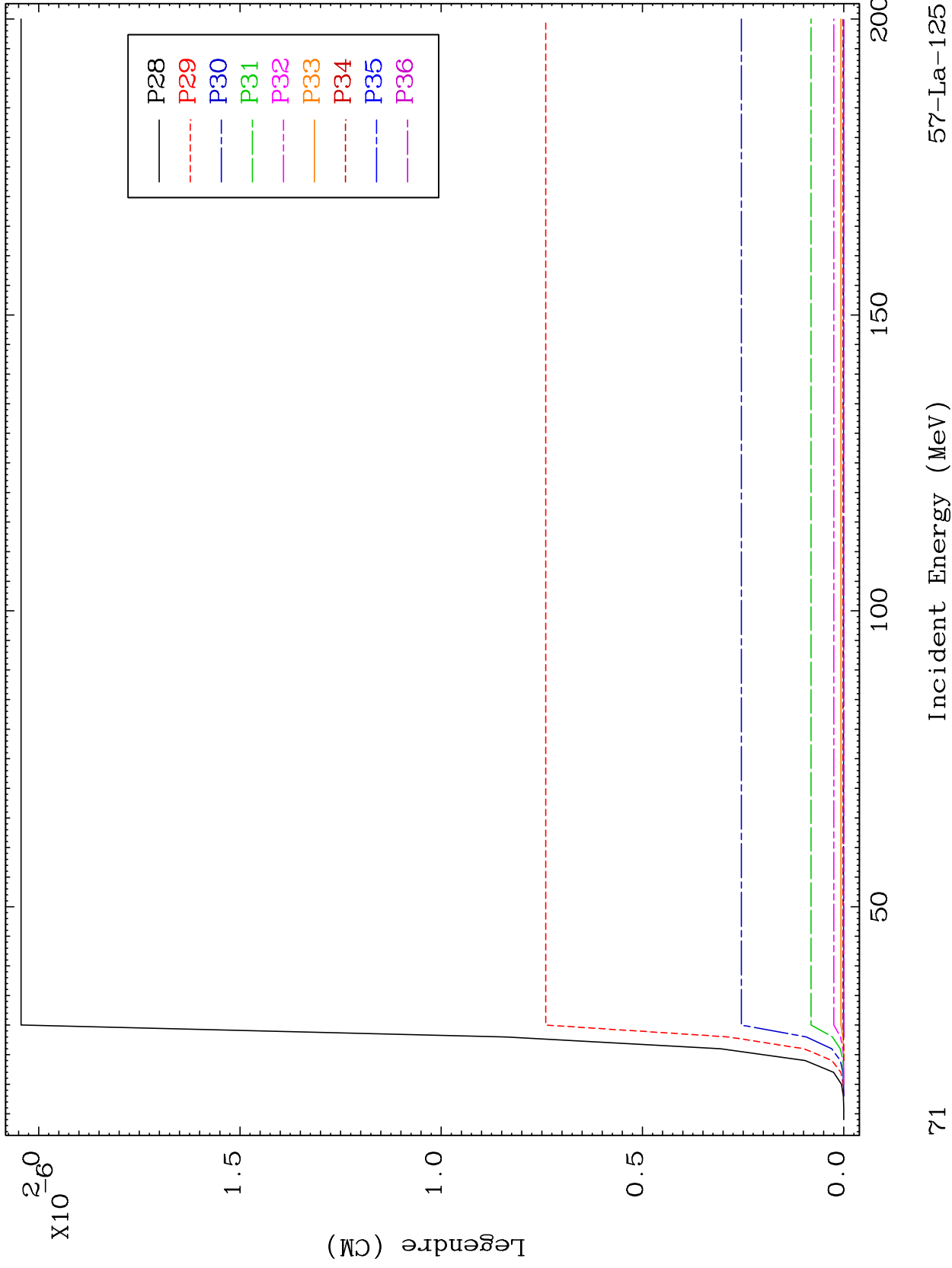
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125

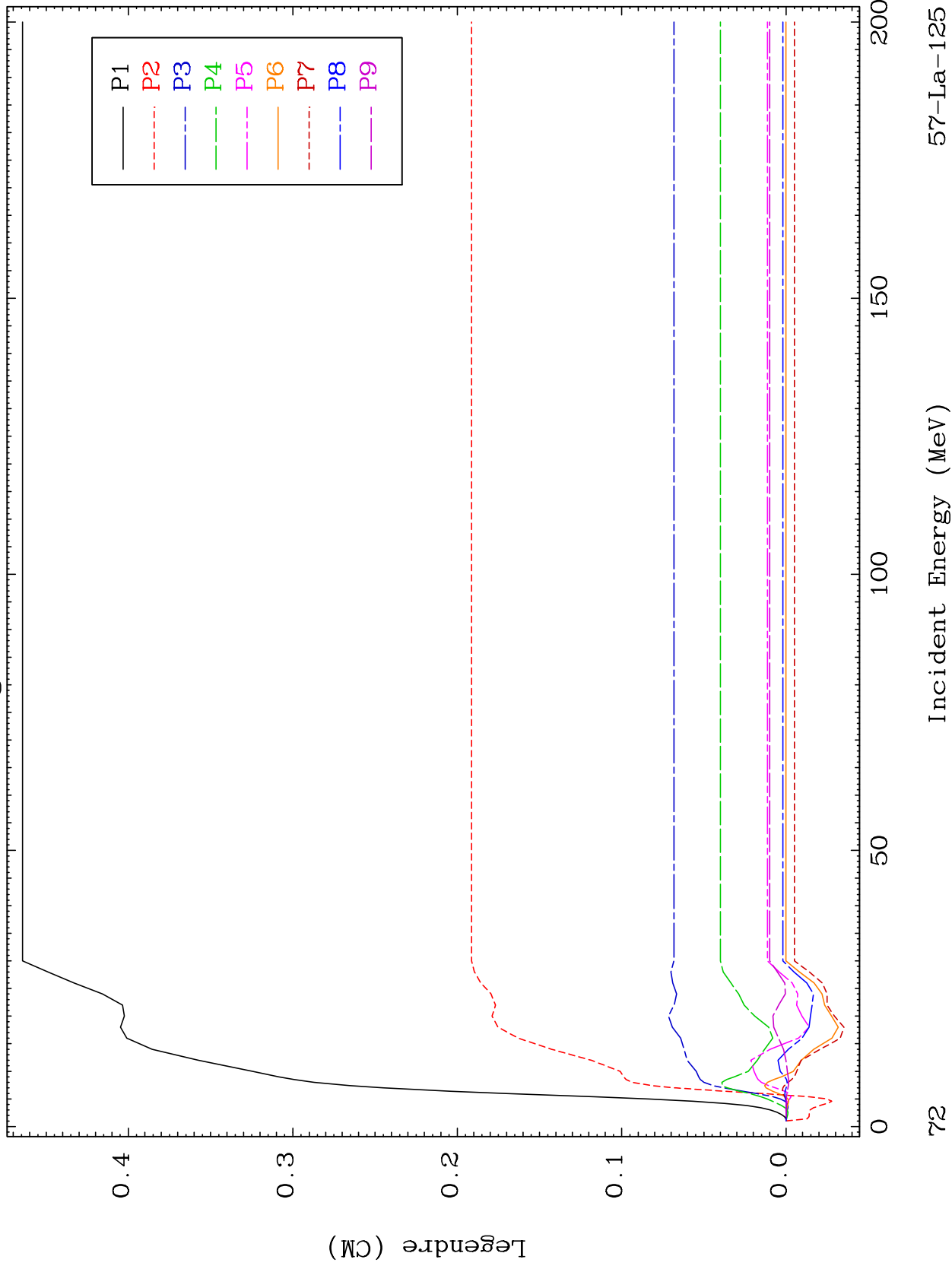




MAT 5686

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

57-La-125



72

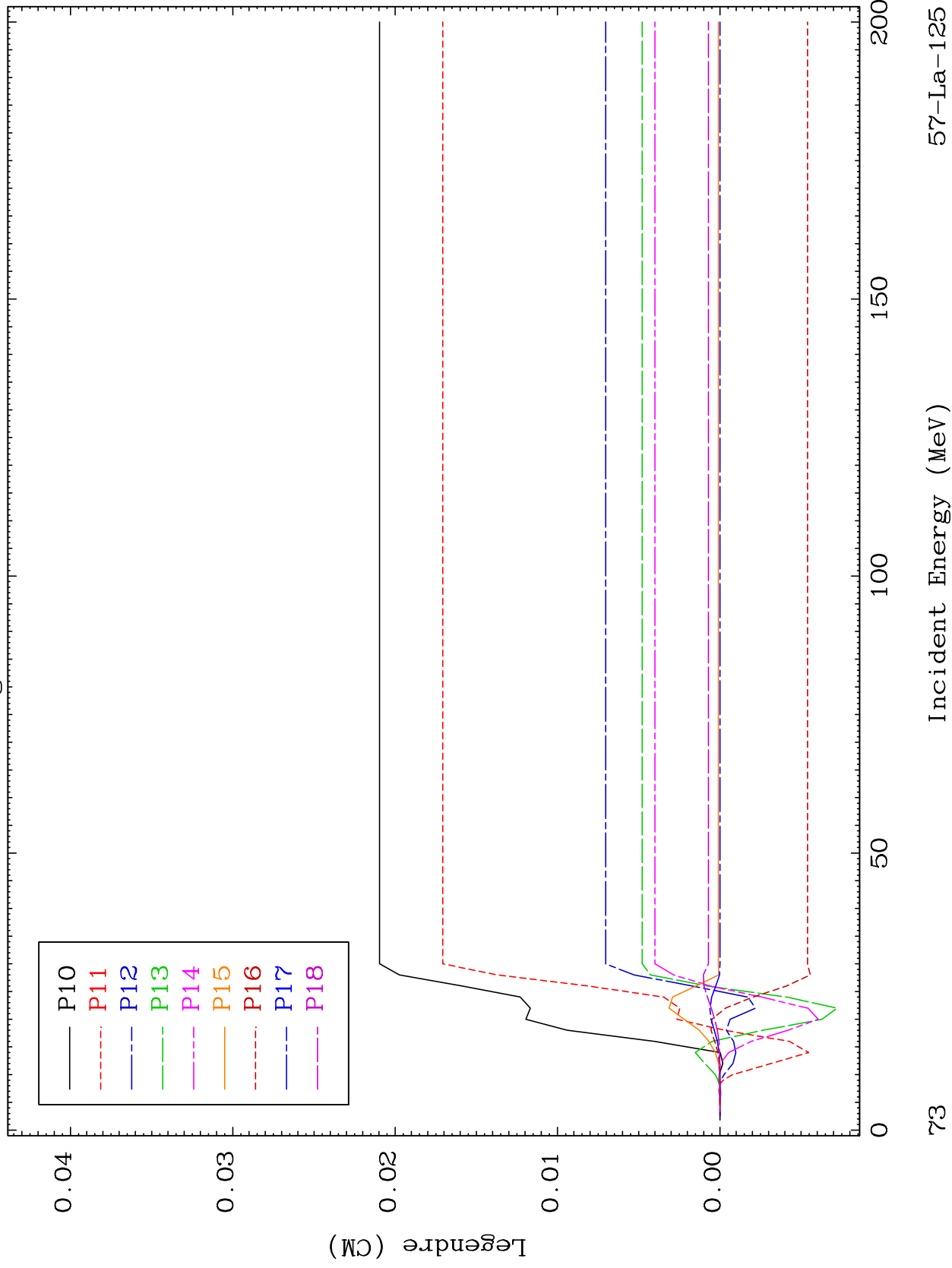
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



57-La-125

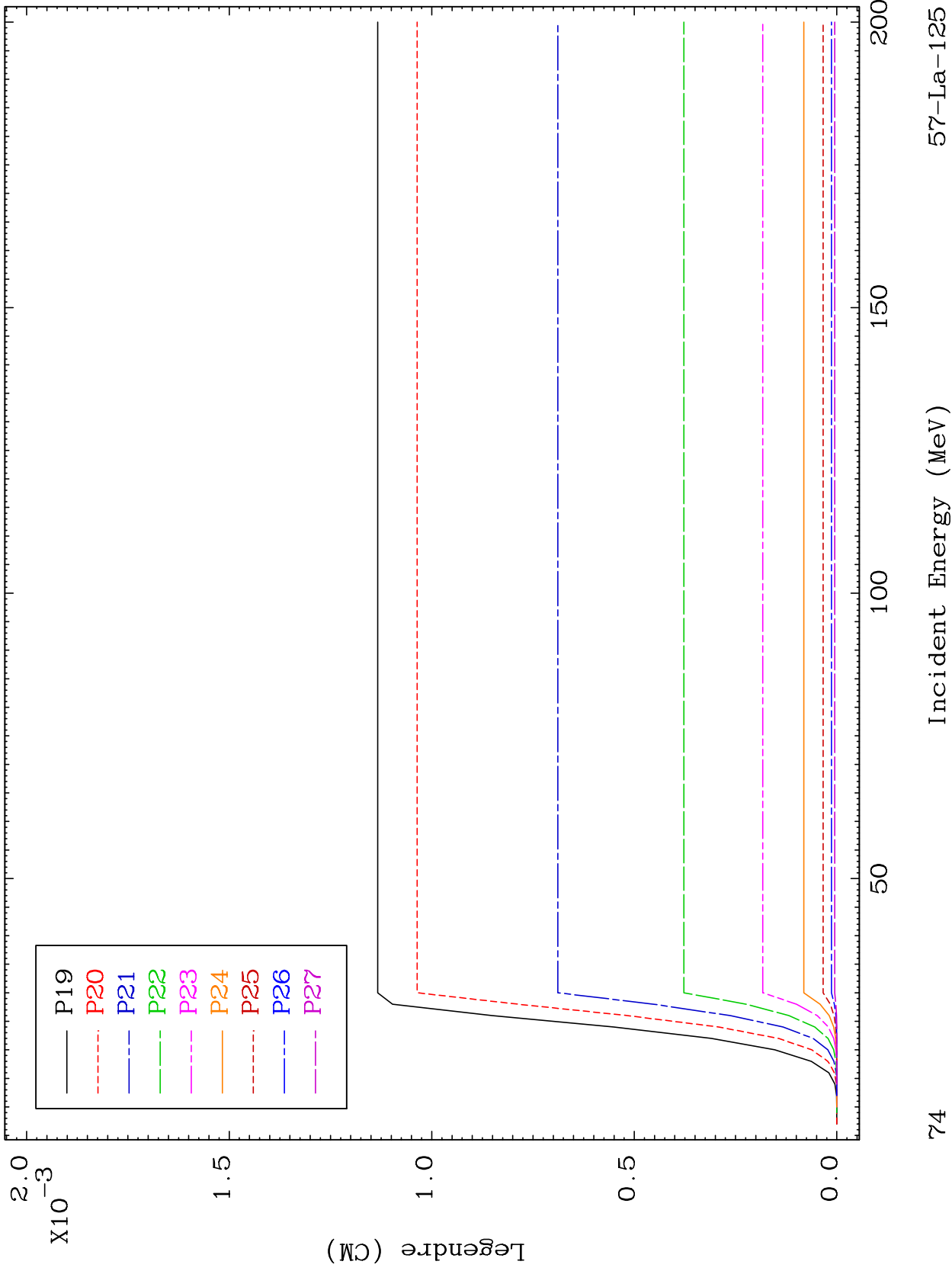
Incident Energy (MeV)

73

MAT 5686

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

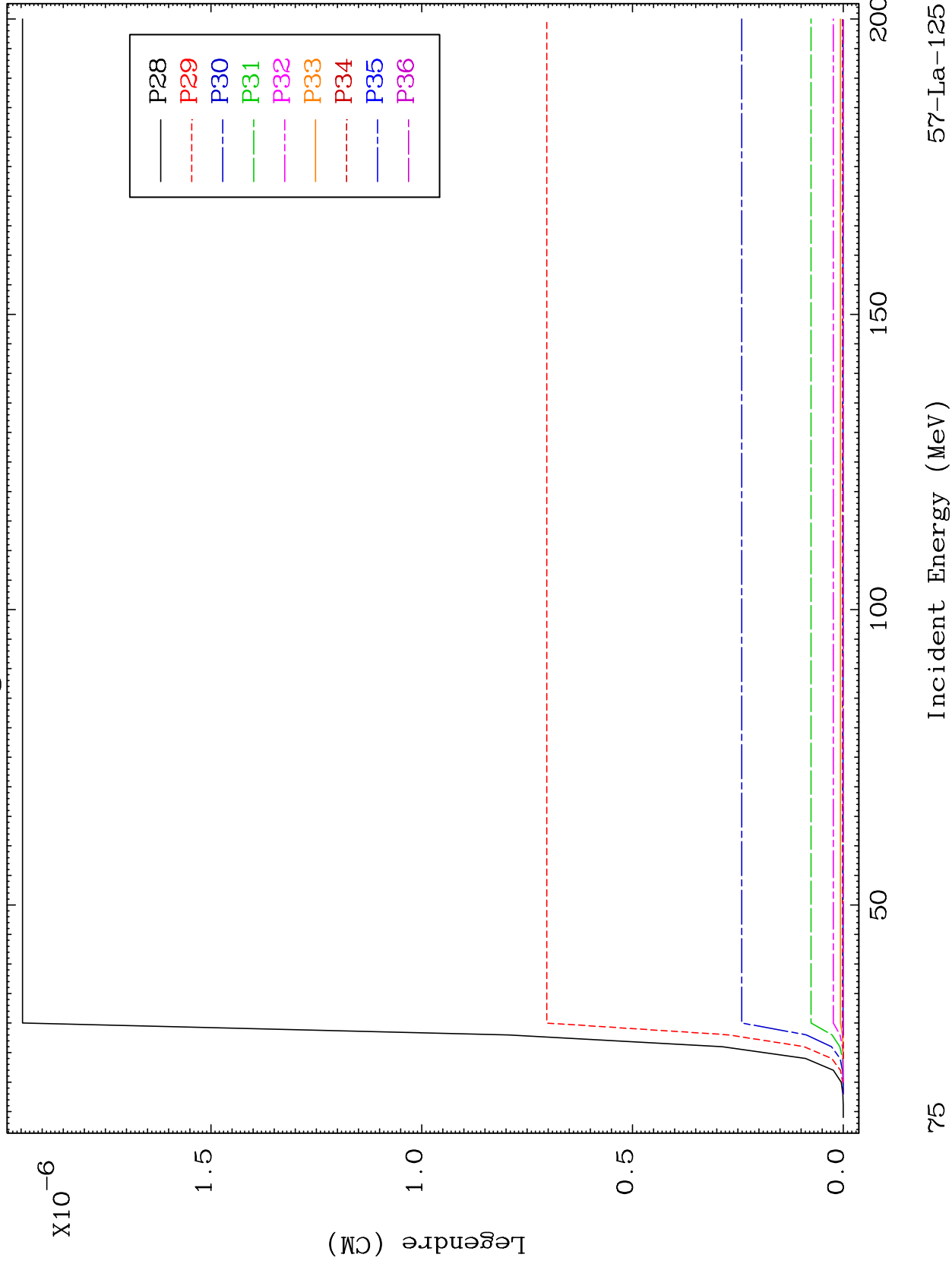
57-La-125



MAT 5686

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

57-La-125

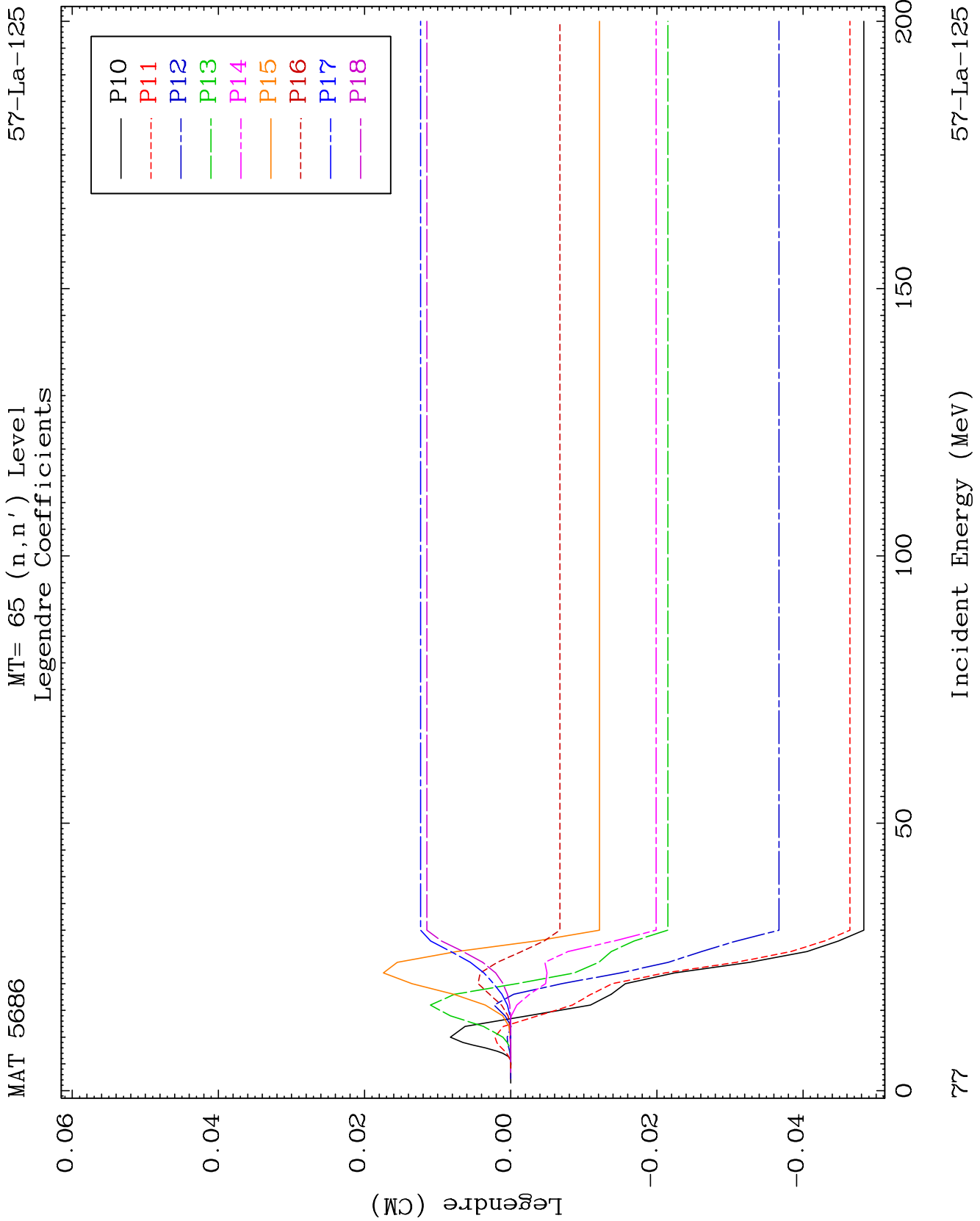


57-La-125

Incident Energy (MeV)

75

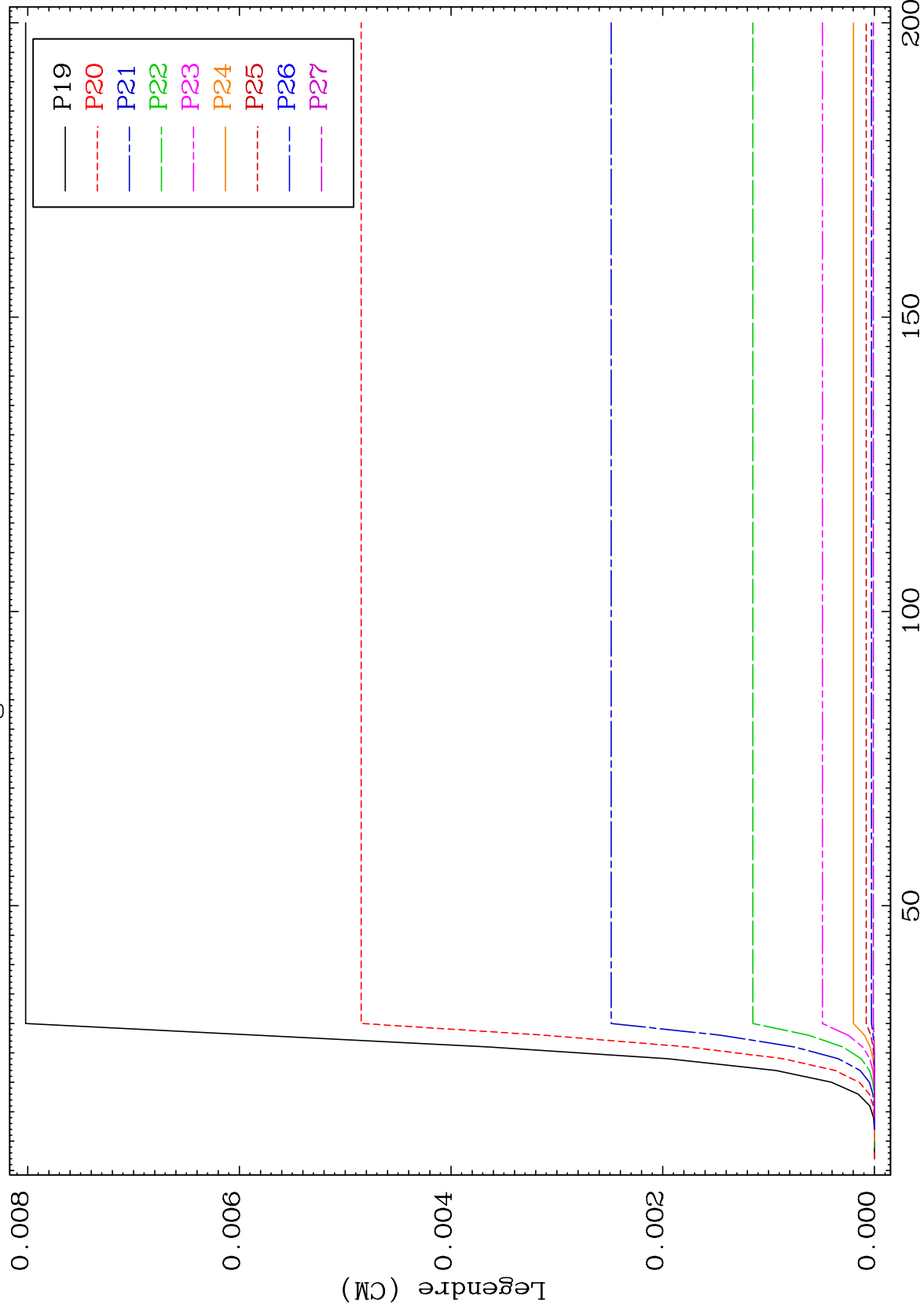




MAT 5686

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

57-La-125



78

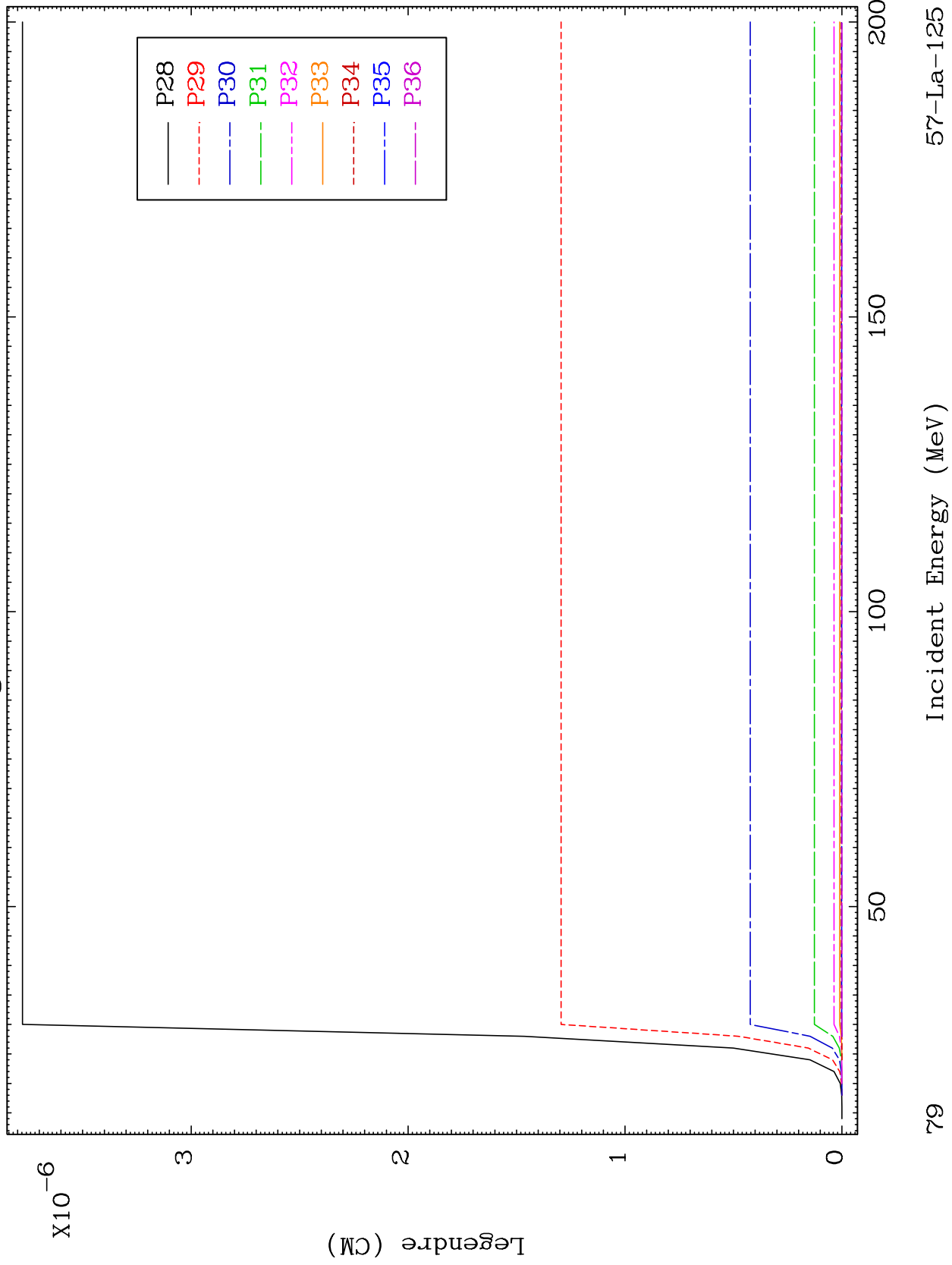
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125

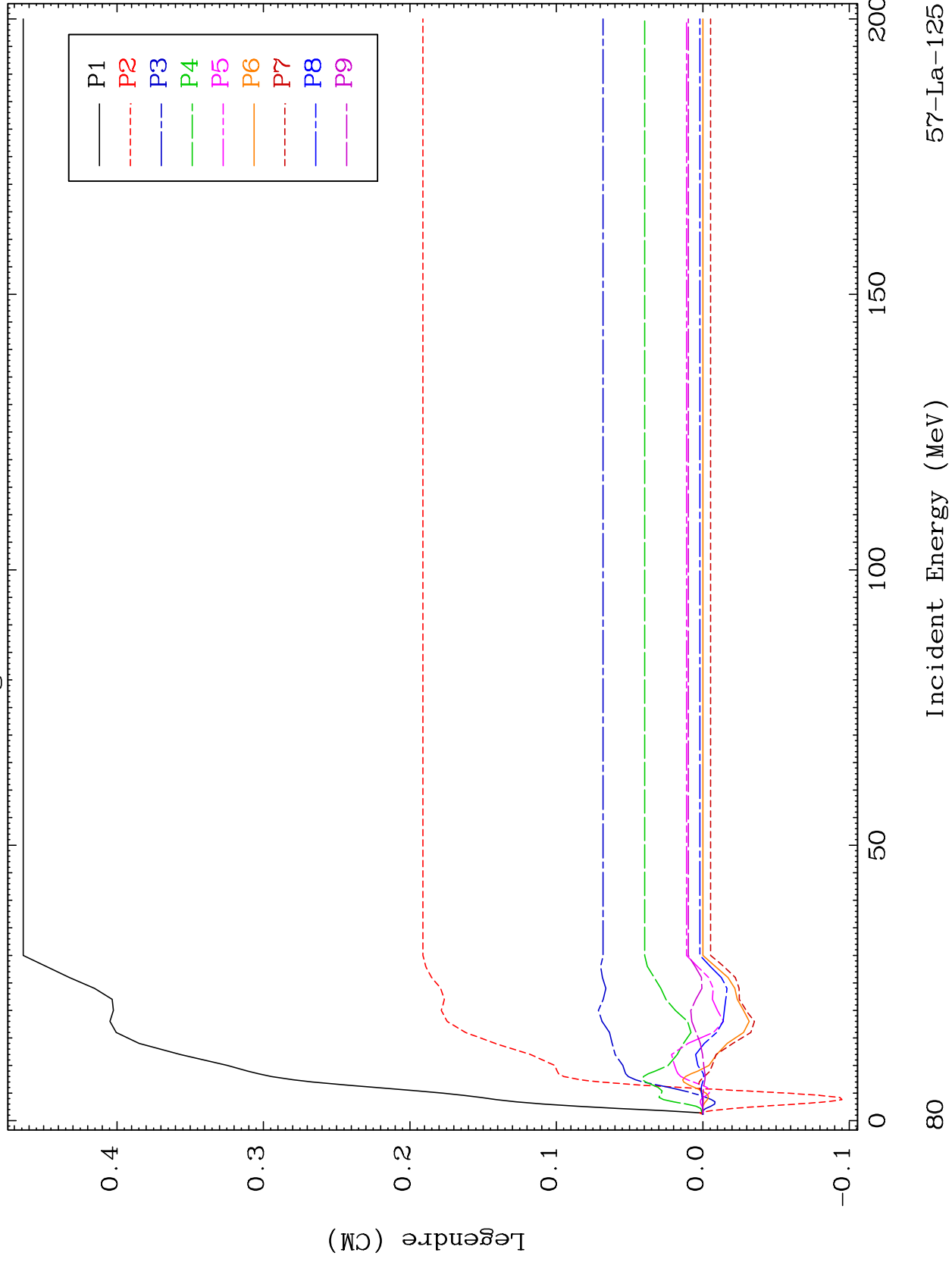




MAT 5686

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

57-La-125

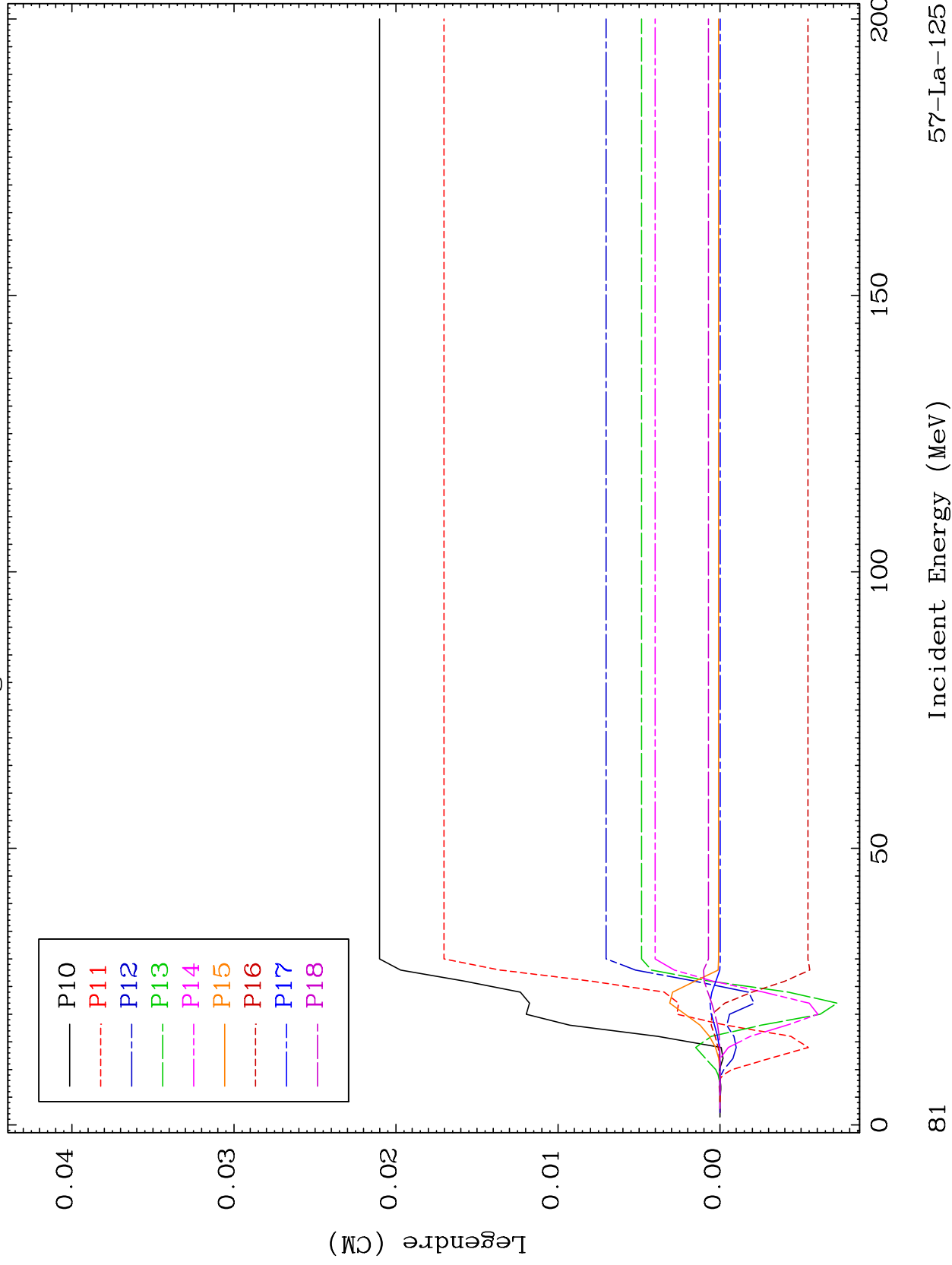


57-La-125

MAT 5686

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

57-La-125



81

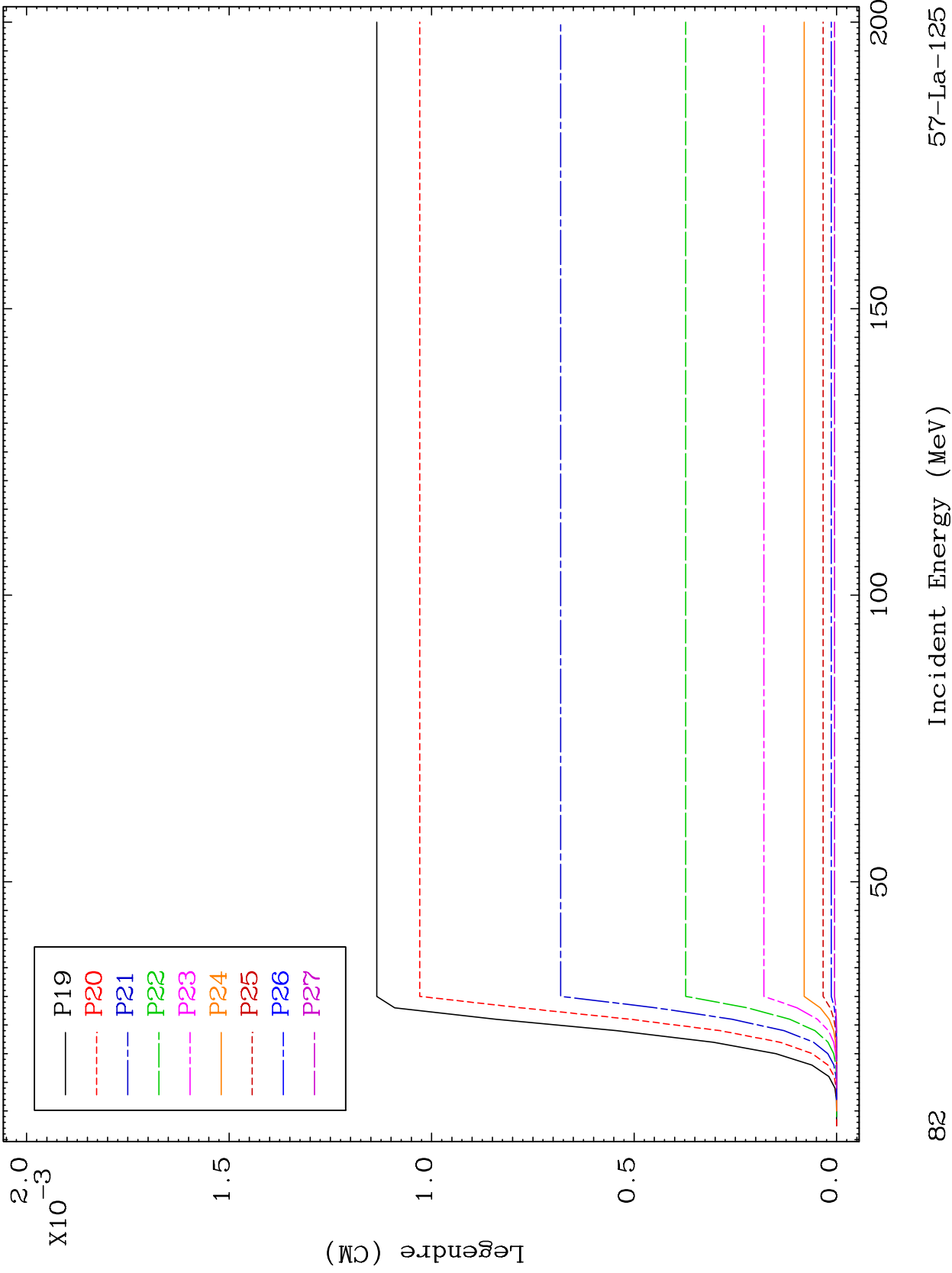
Incident Energy (MeV)

57-La-125

MAT 5686

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

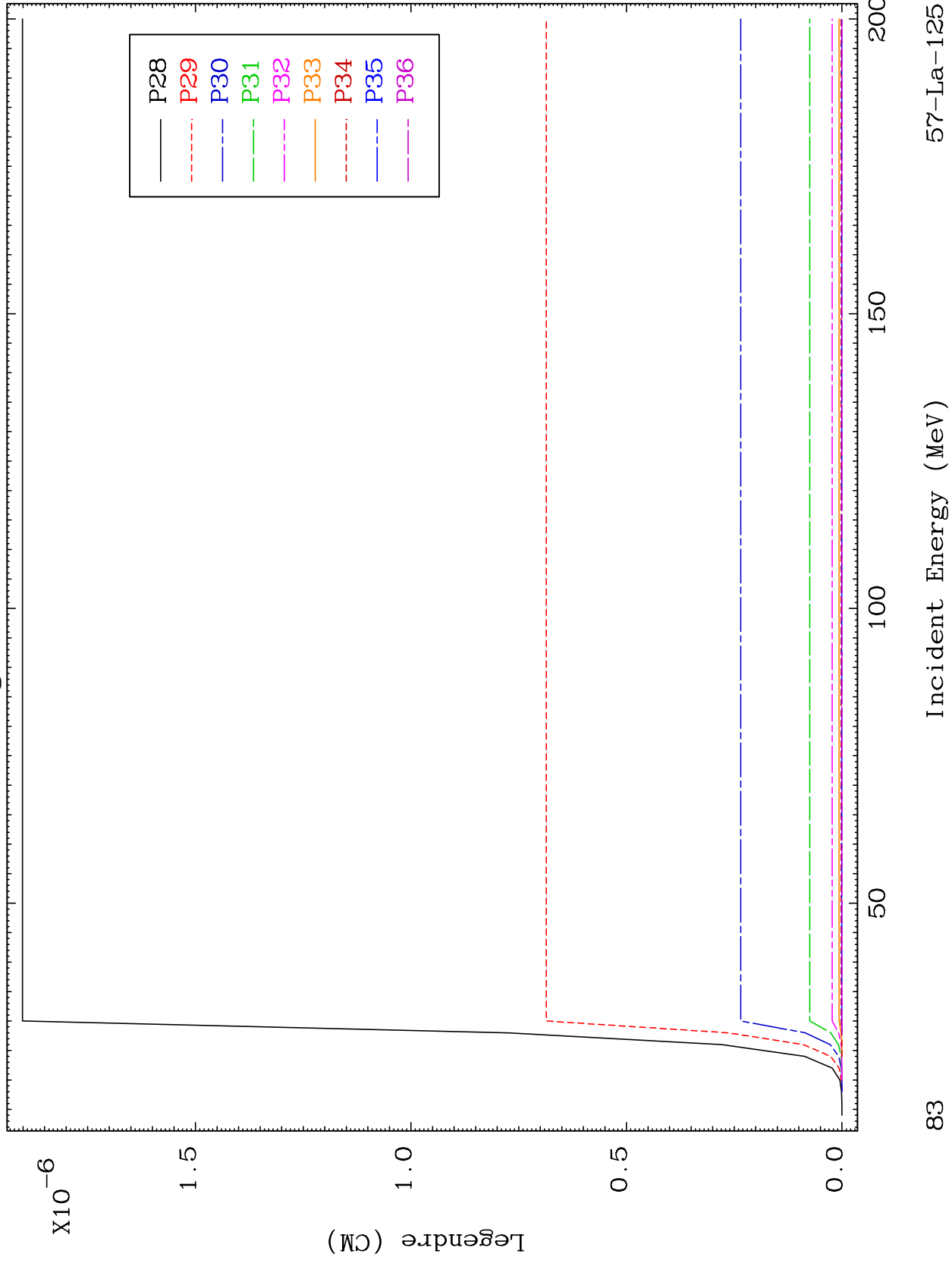
57-La-125



MAT 5686

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

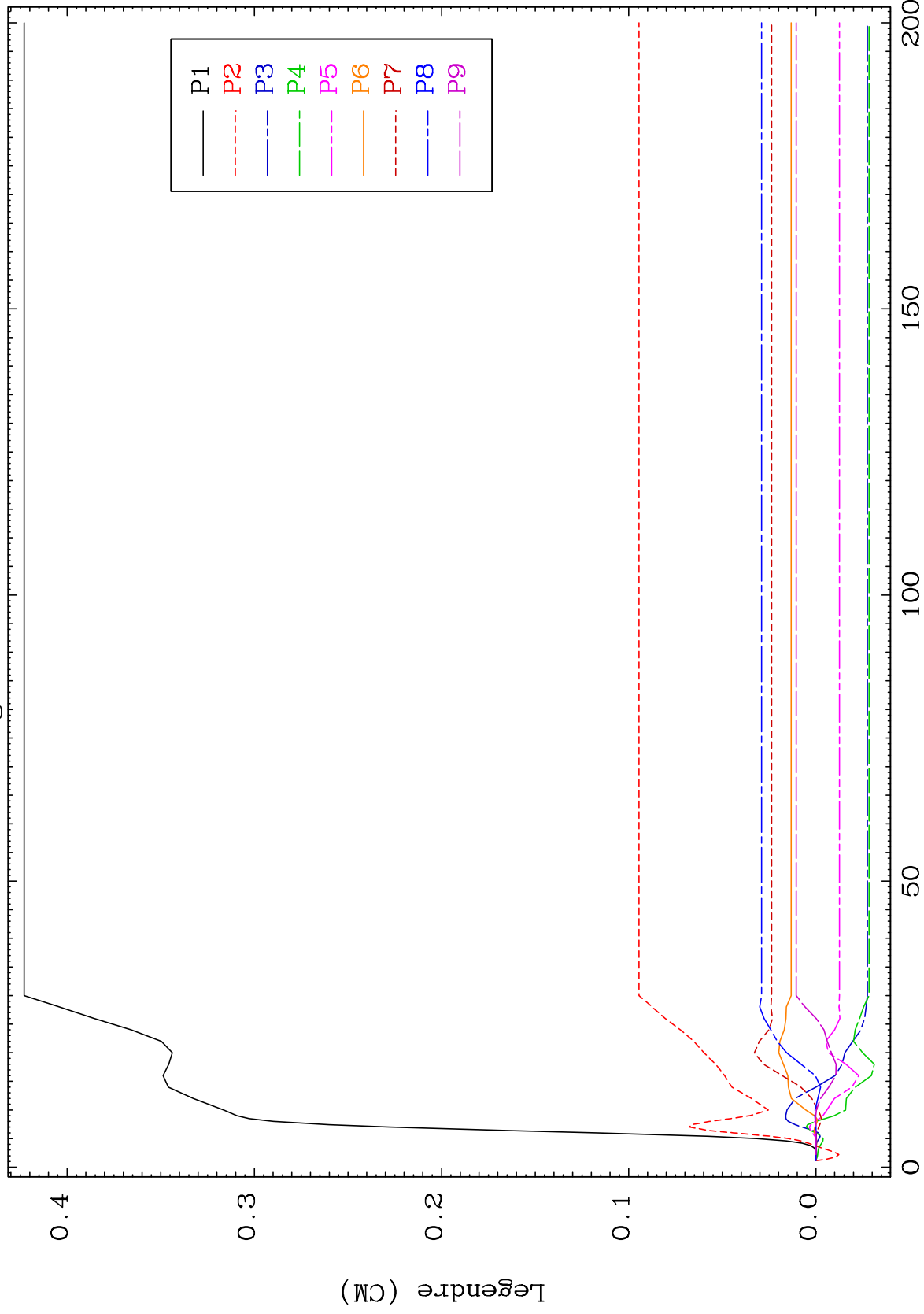
57-La-125



MAT 5686

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

57-La-125



84

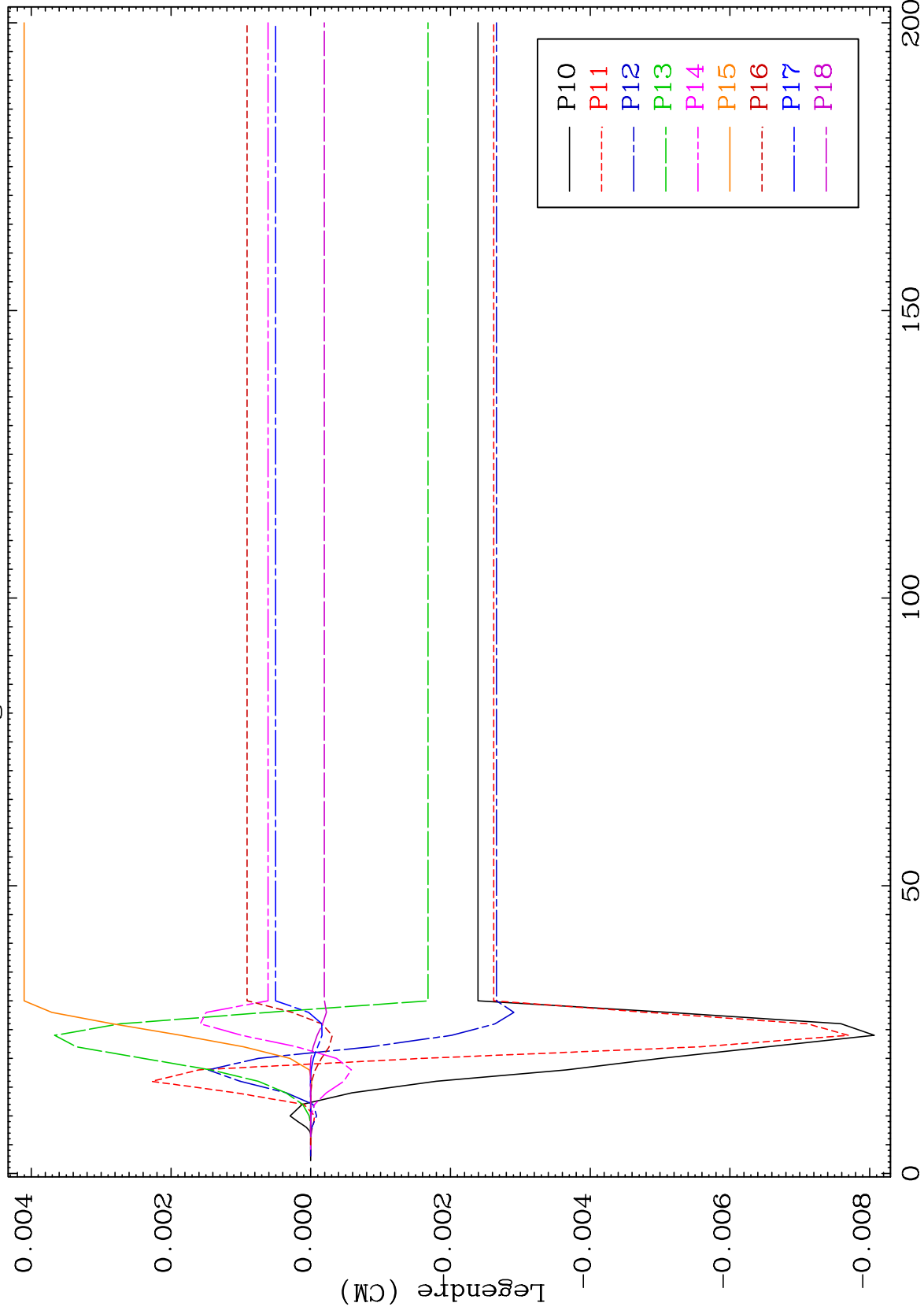
Incident Energy (MeV)

57-La-125

MAT 5686

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

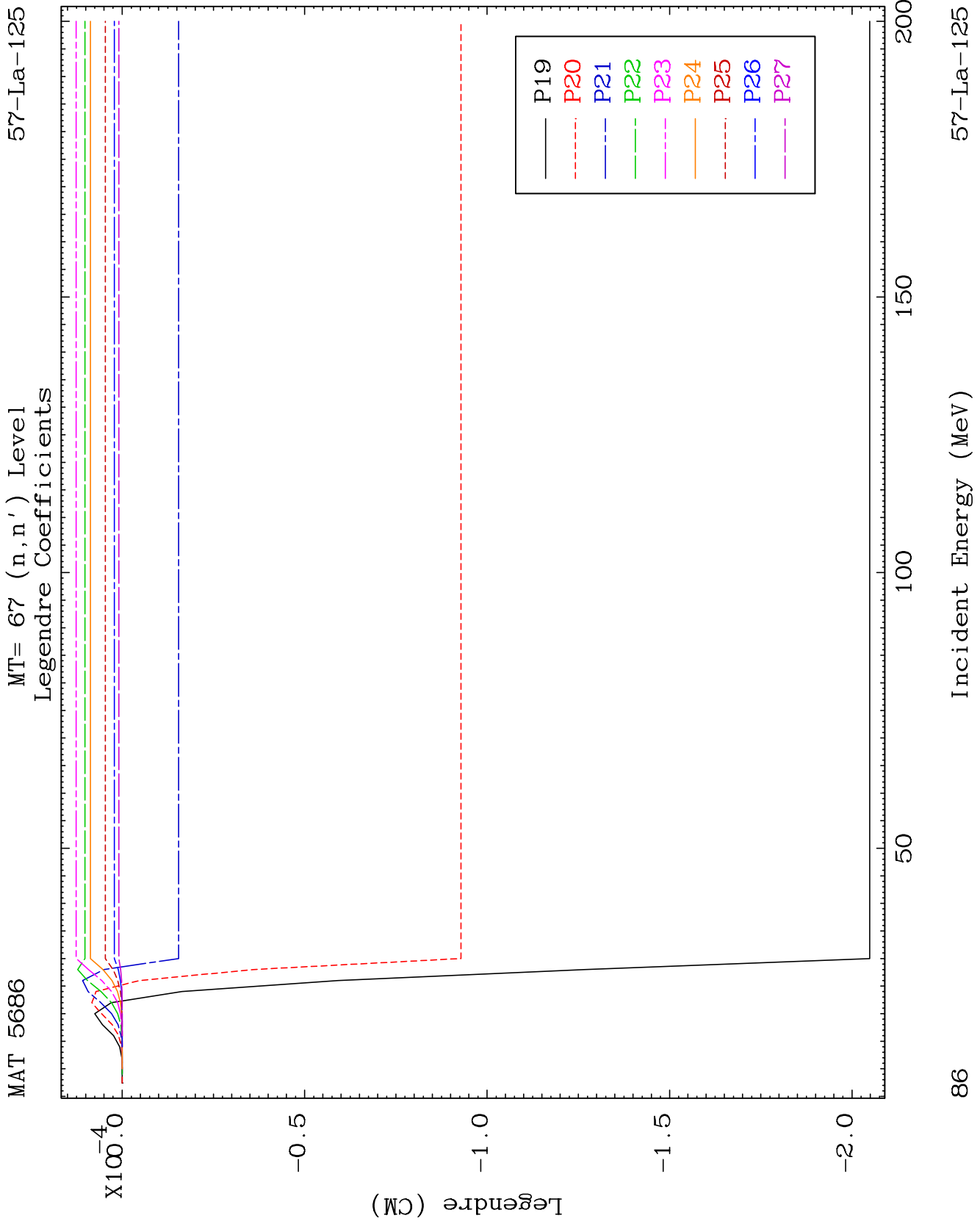
57-La-125



85

Incident Energy (MeV)

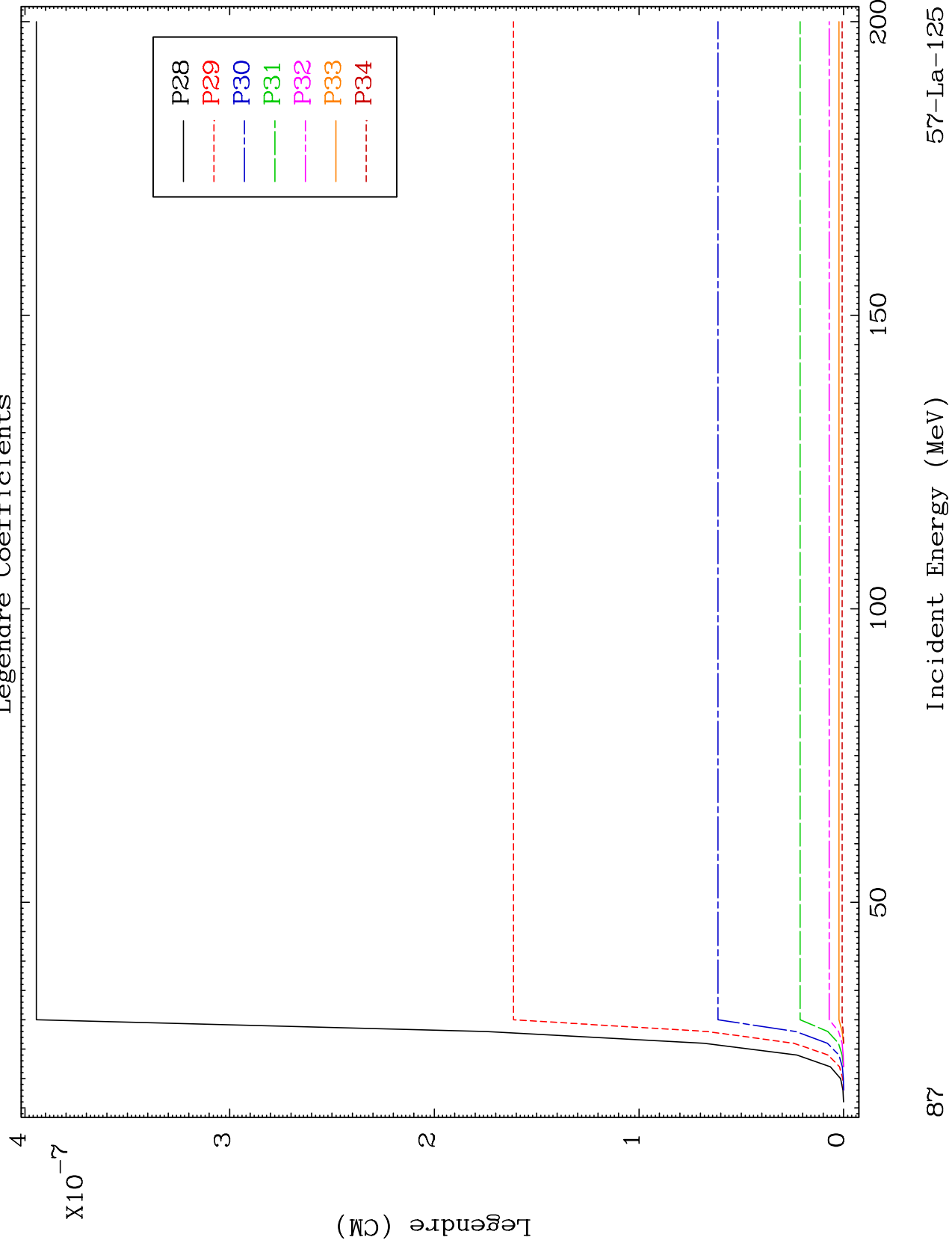
57-La-125



MAT 5686

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

57-La-125

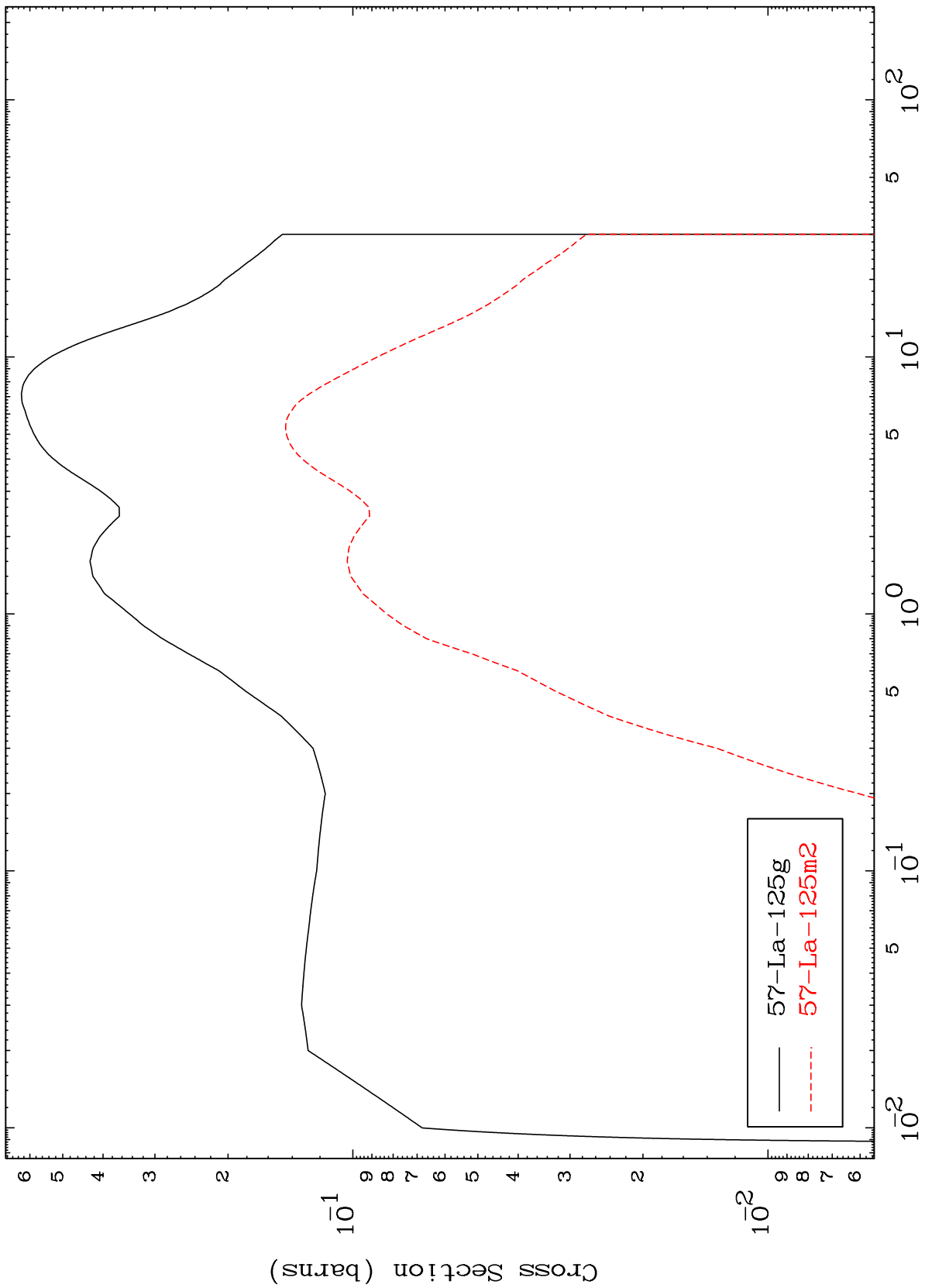




MAT 5686

57-La-125

Inelastic  
Radionuclide Production Cross Section



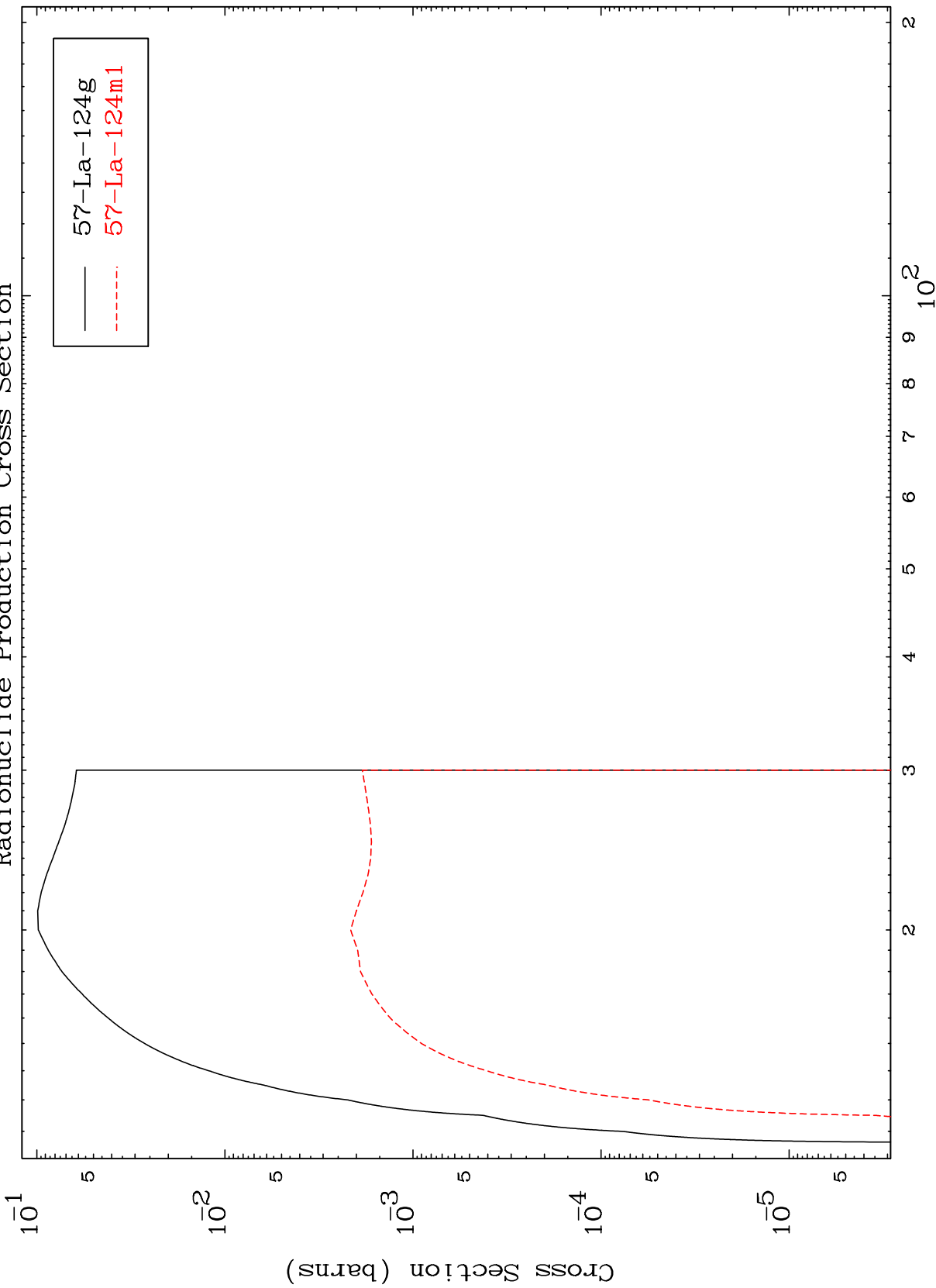
88

57-La-125

MAT 5686

57-La-125

(n,2n)  
Radionuclide Production Cross Section



57-La-124g  
57-La-124m1

89

Incident Energy (MeV)

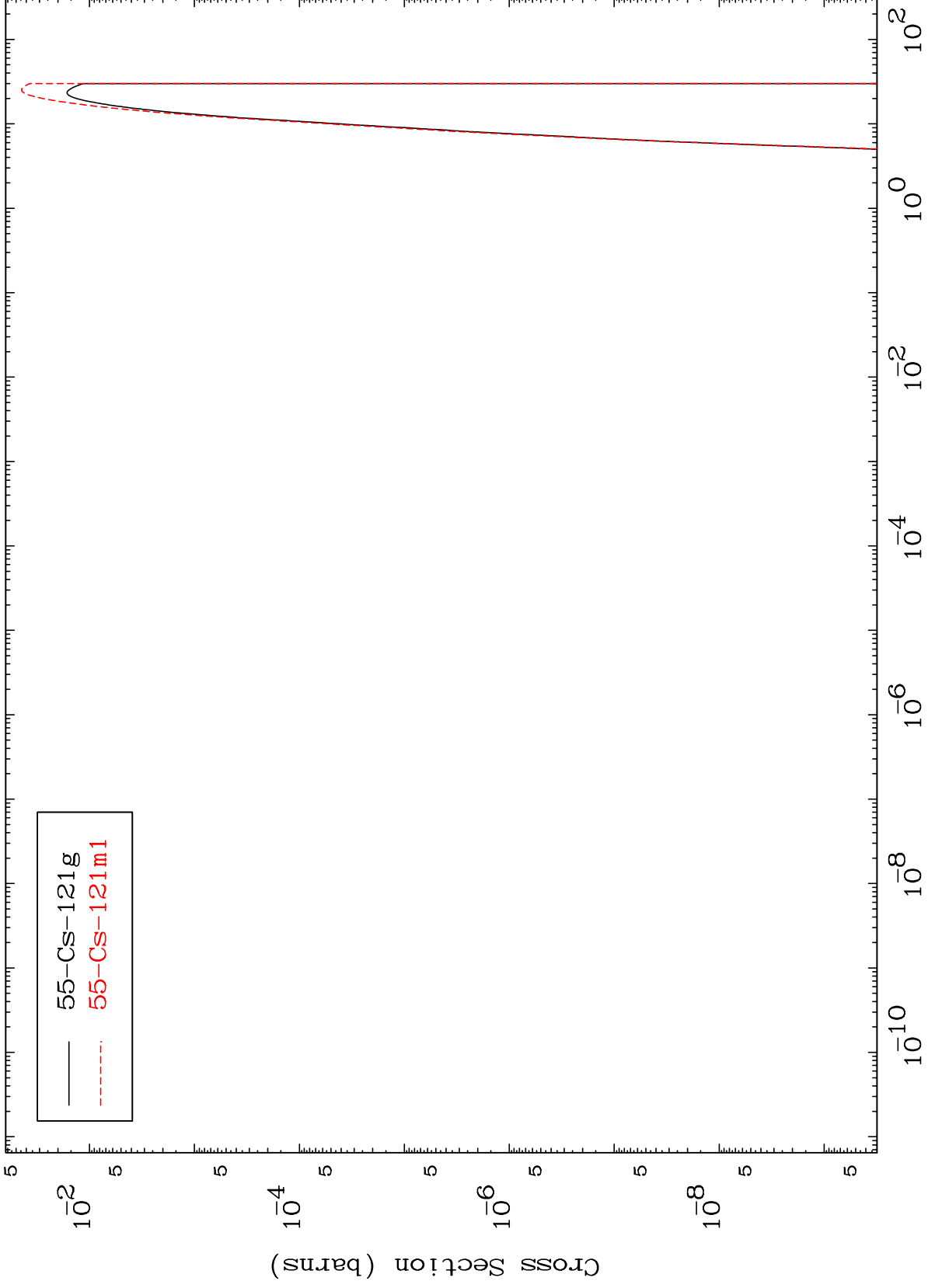
57-La-125

MAT 5686

(n,n')  $\alpha$

57-La-125

Radionuclide Production Cross Section



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

90

Incident Energy (MeV)

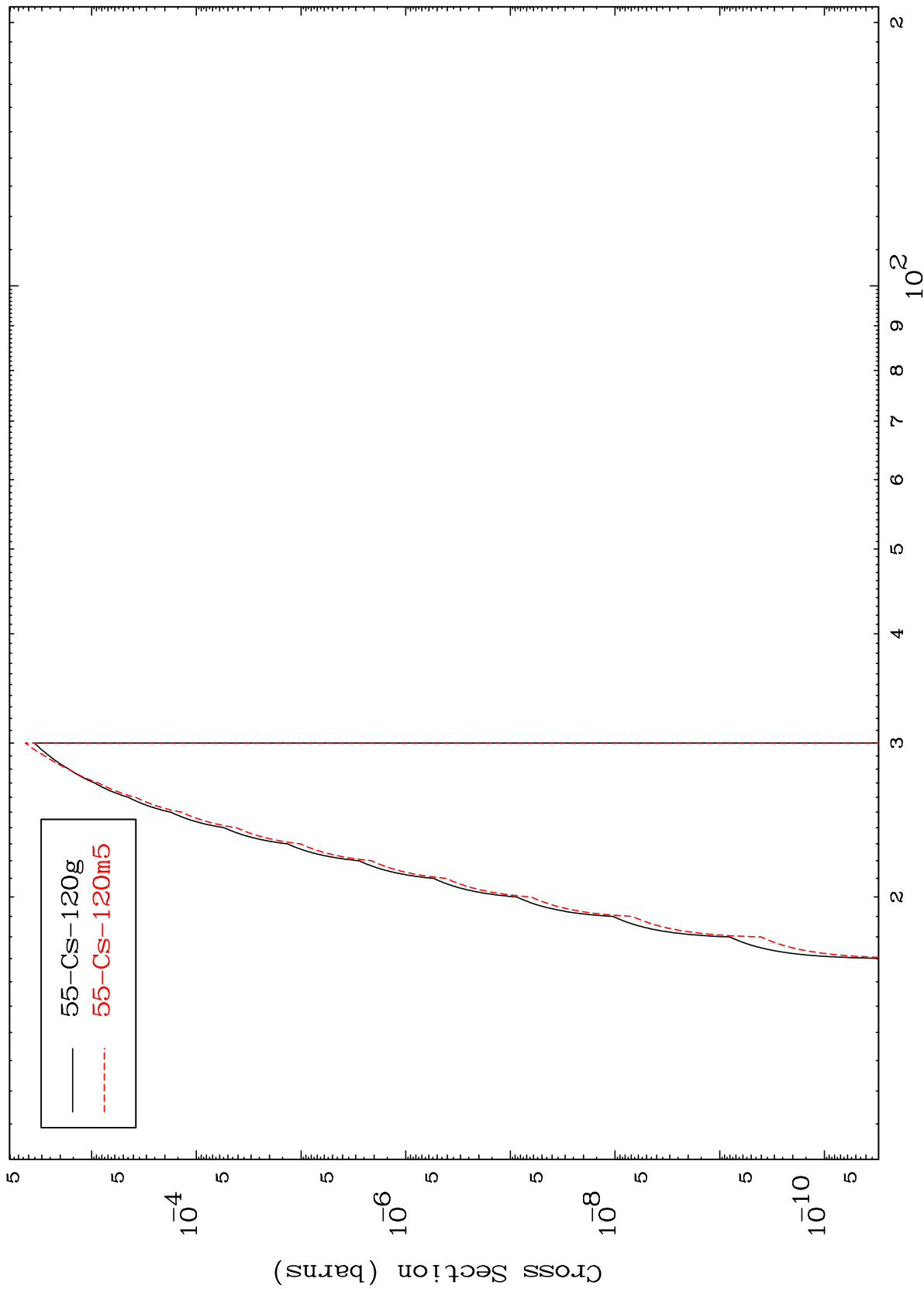
57-La-125

MAT 5686

(n,2n)  $\alpha$

57-La-125

Radionuclide Production Cross Section

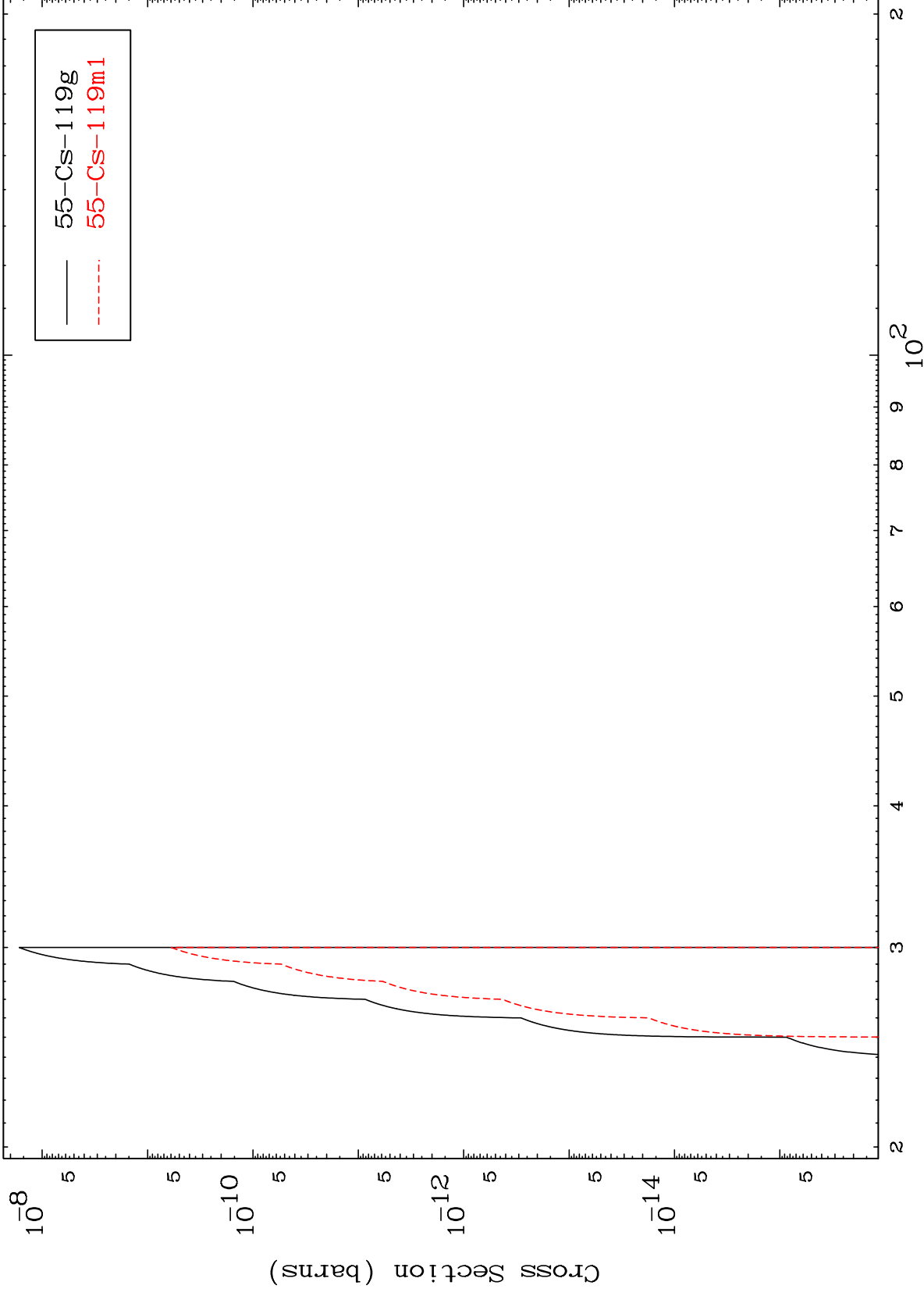


MAT 5686

(n,3n)  $\alpha$

57-La-125

Radionuclide Production Cross Section



92

Incident Energy (MeV)

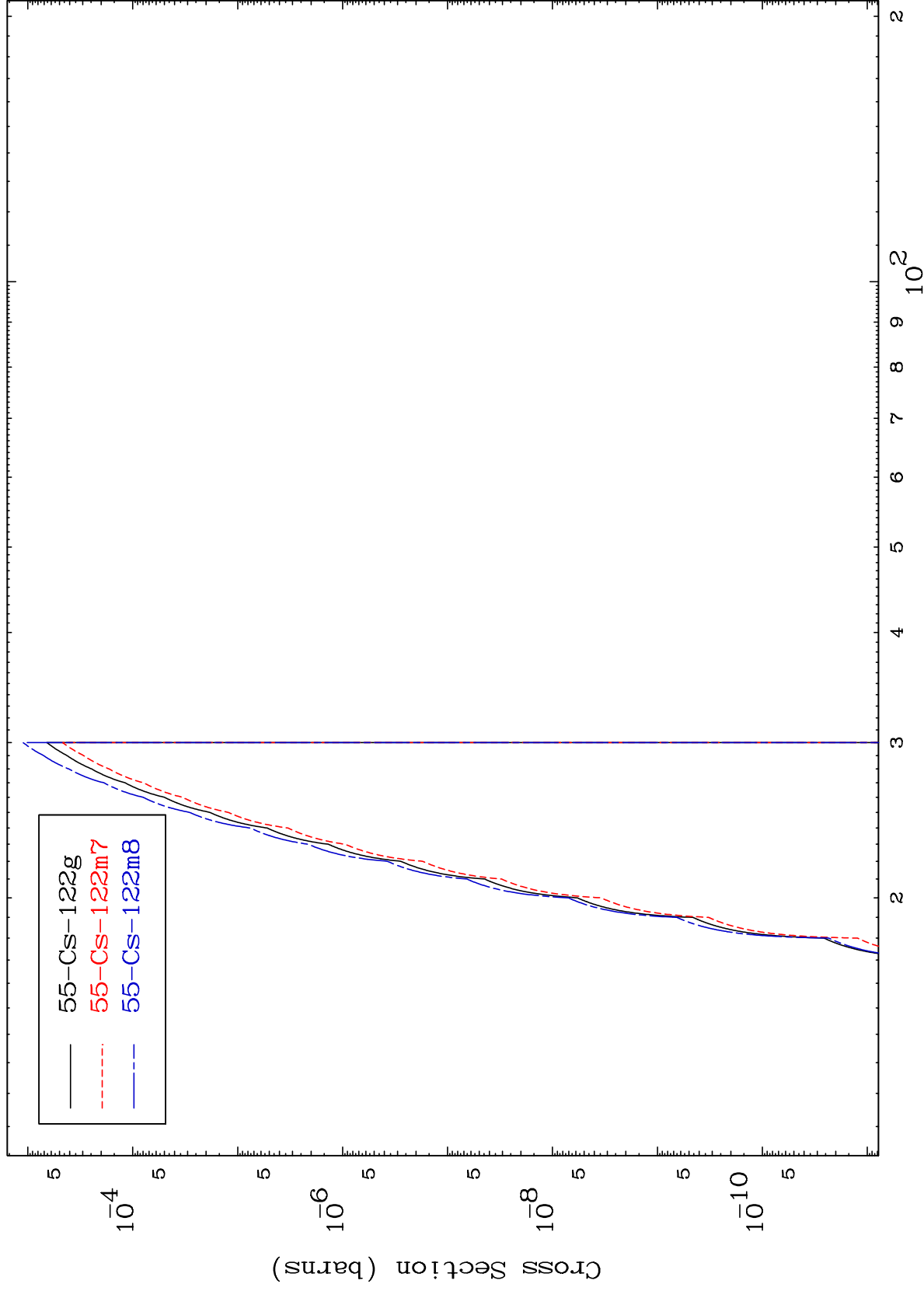
57-La-125

MAT 5686

(n,n') He-3

57-La-125

Radionuclide Production Cross Section



93

Incident Energy (MeV)

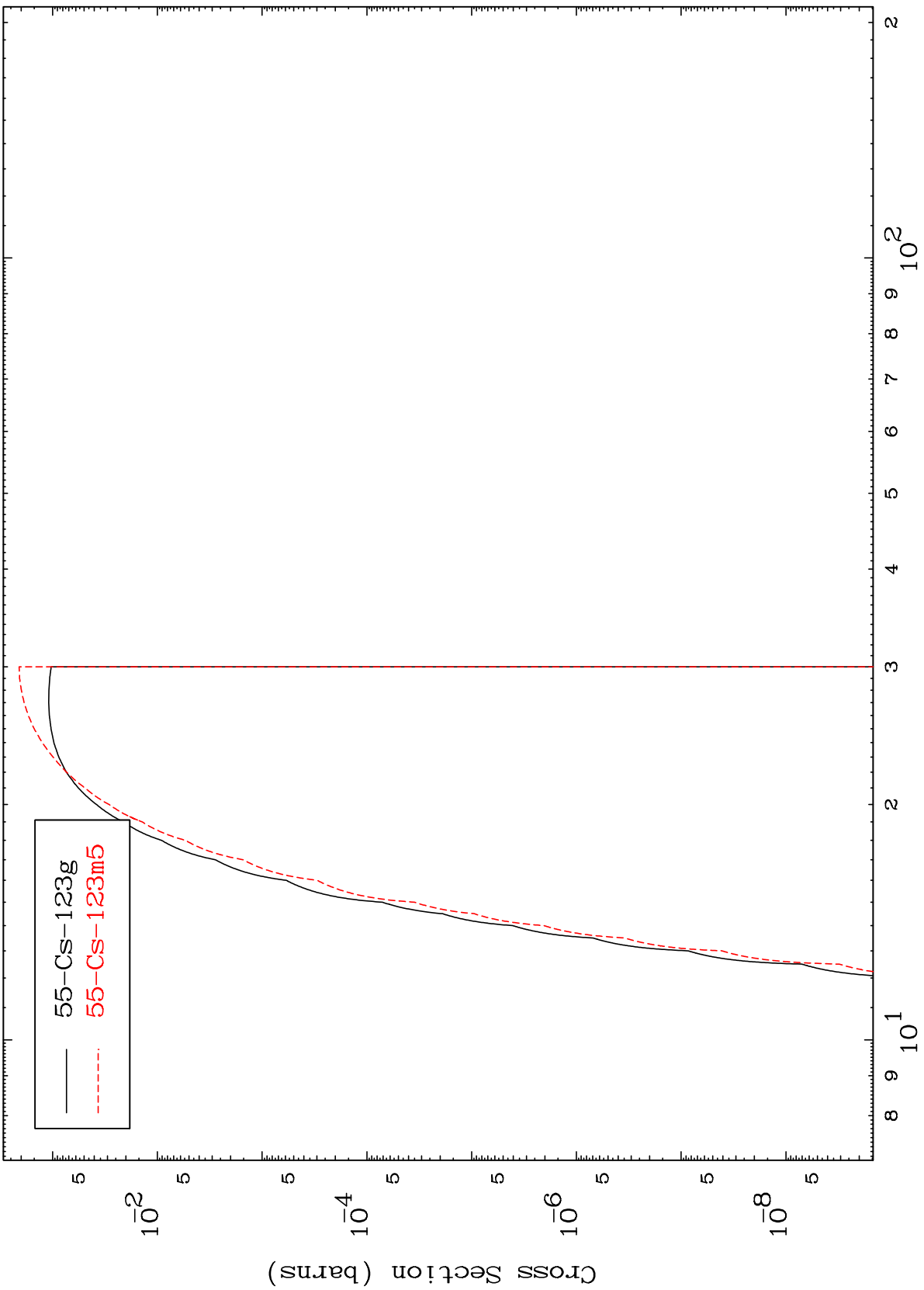
57-La-125

MAT 5686

(n,2n) p

57-La-125

Radionuclide Production Cross Section



94

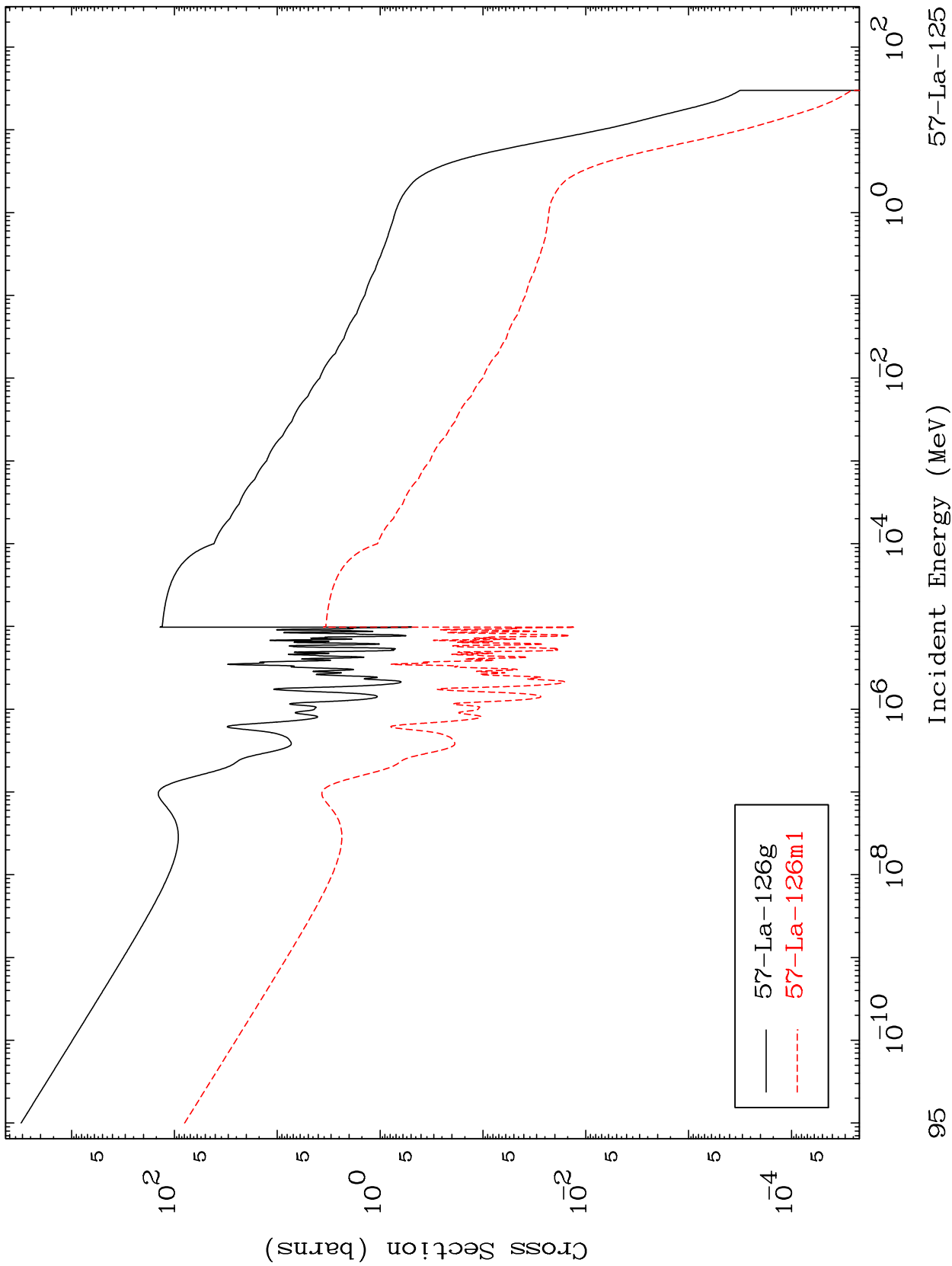
Incident Energy (MeV)

57-La-125

MAT 5686

57-La-125

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



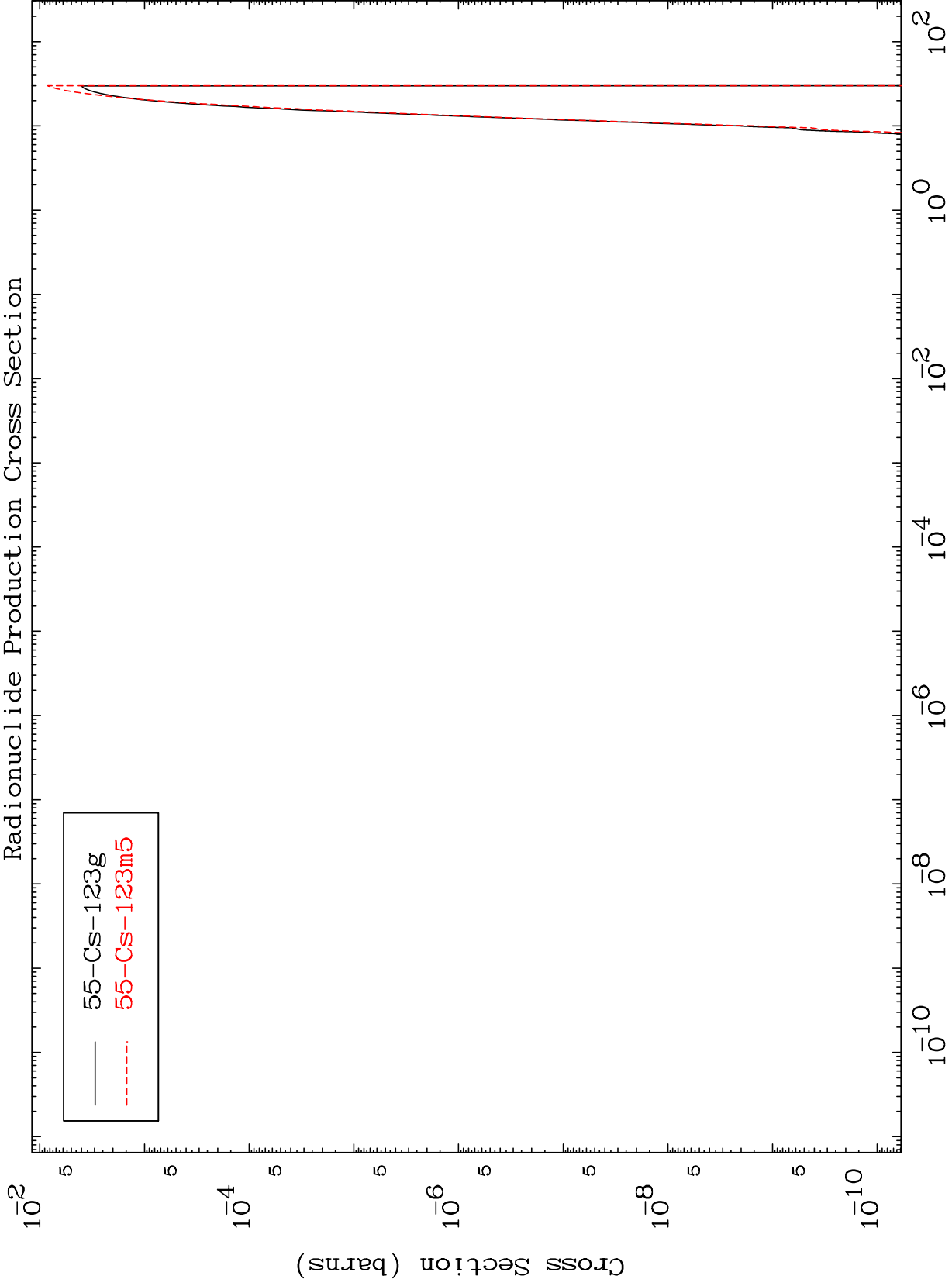


MAT 5686

(n,He-3)

57-La-125

Radionuclide Production Cross Section



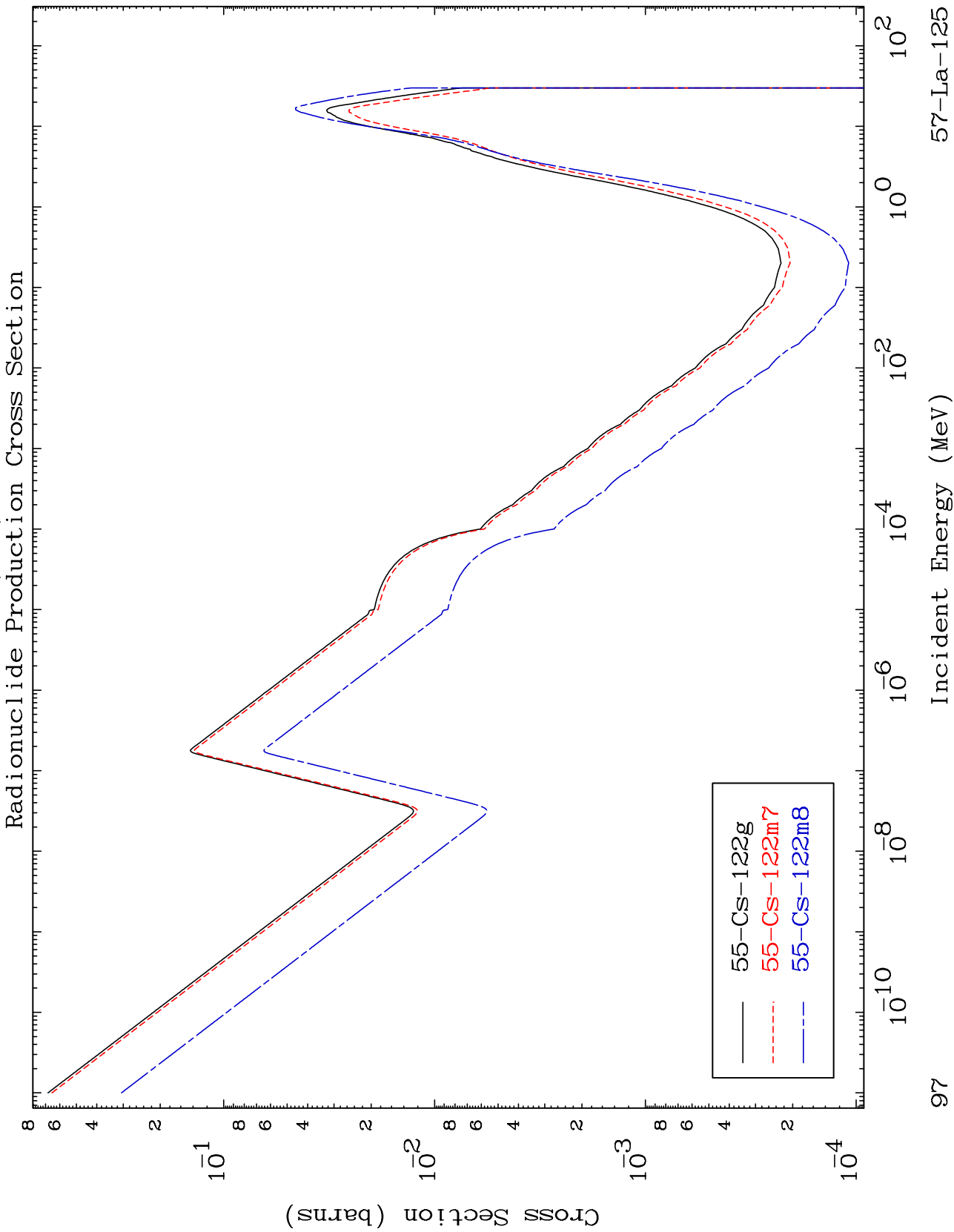
96

Incident Energy (MeV)

57-La-125

MAT 5686

57-La-125

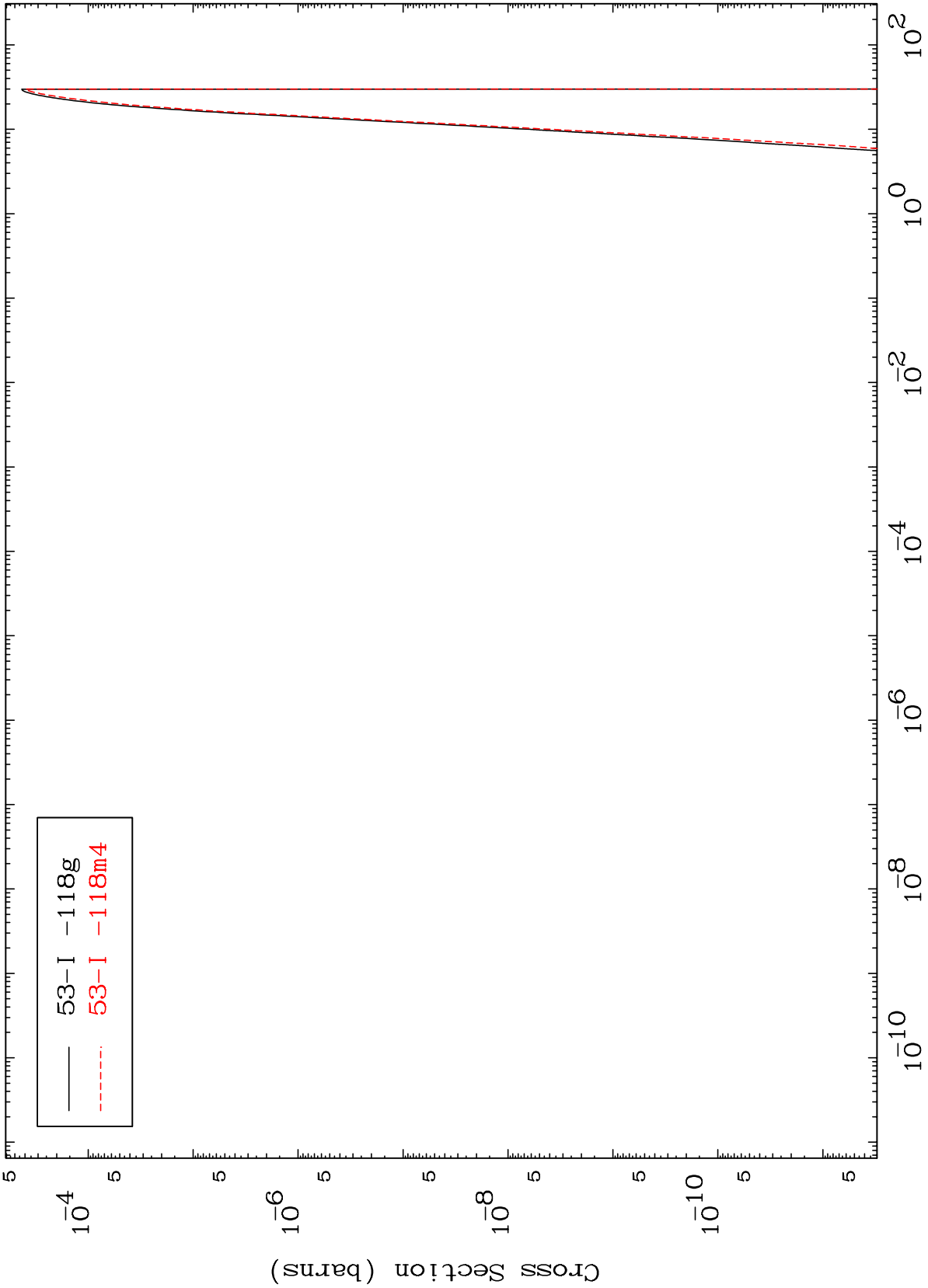


MAT 5686

(n,2α)

57-La-125

Radionuclide Production Cross Section



98

Incident Energy (MeV)

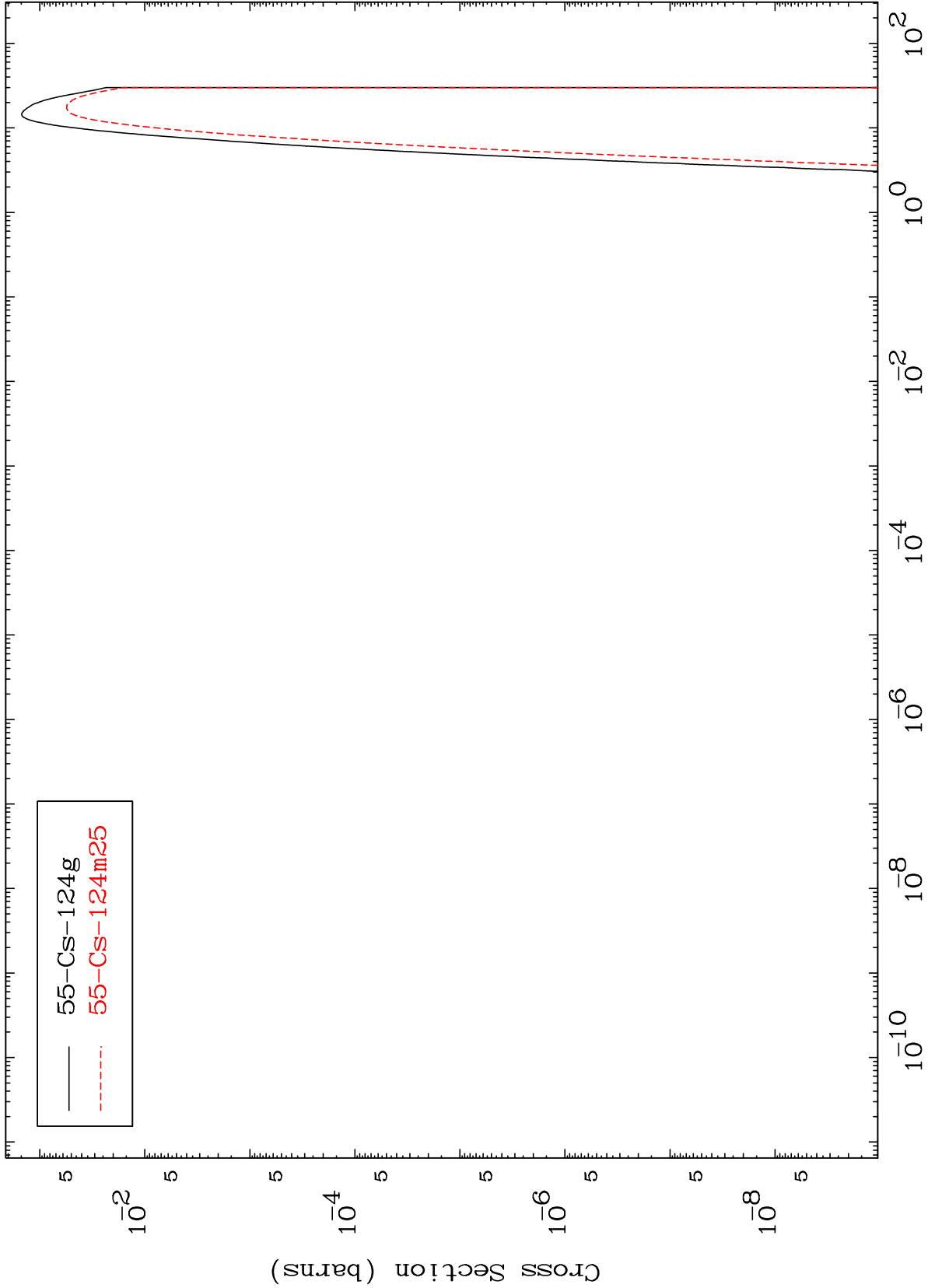
57-La-125

MAT 5686

(n,2p)

57-La-125

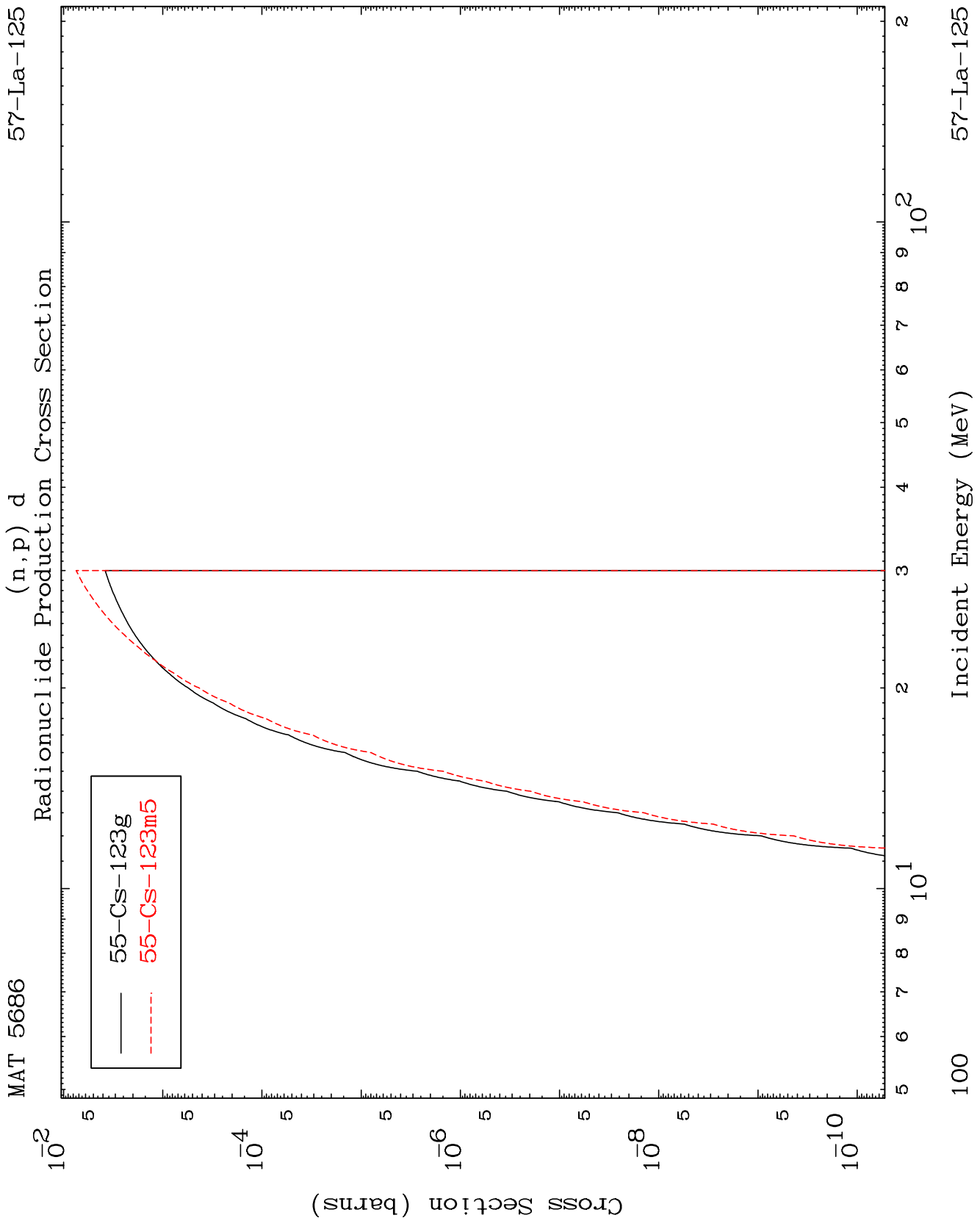
Radionuclide Production Cross Section



99

Incident Energy (MeV)

57-La-125



MAT 5686

(n,p) t

57-La-125

Radionuclide Production Cross Section

