

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

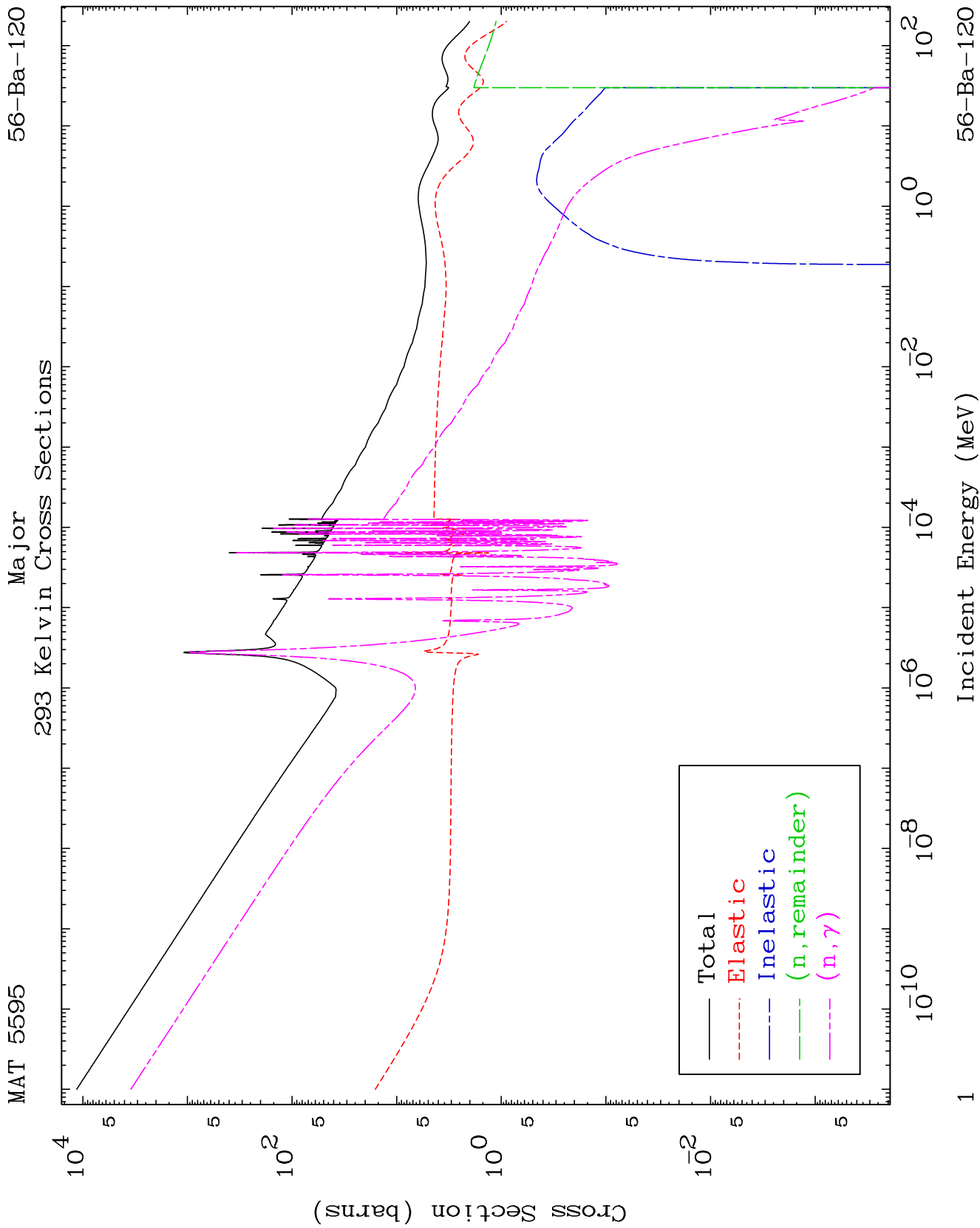
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

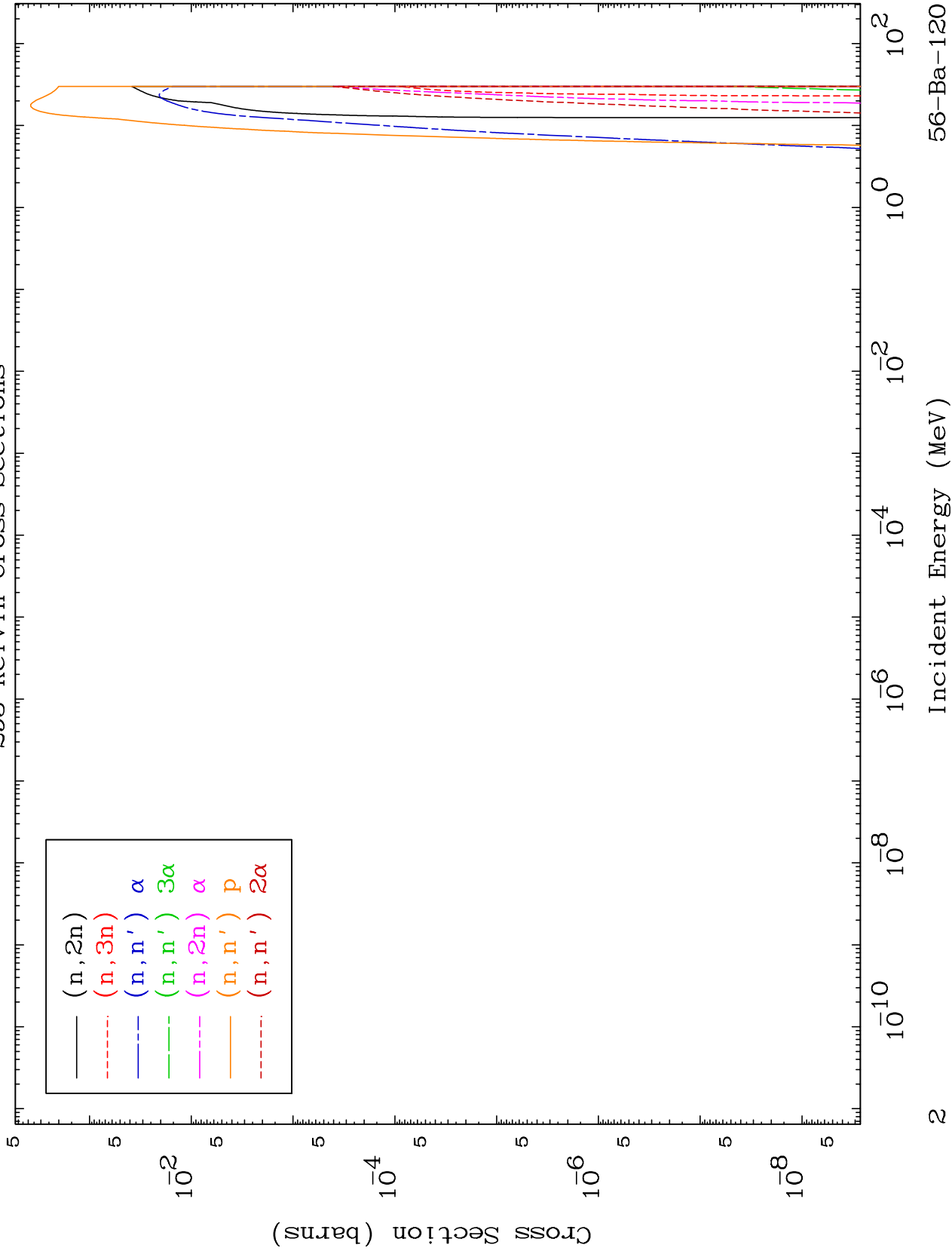
Press Mouse Button to Start



MAT 5595

Neutron Production  
293 Kelvin Cross Sections

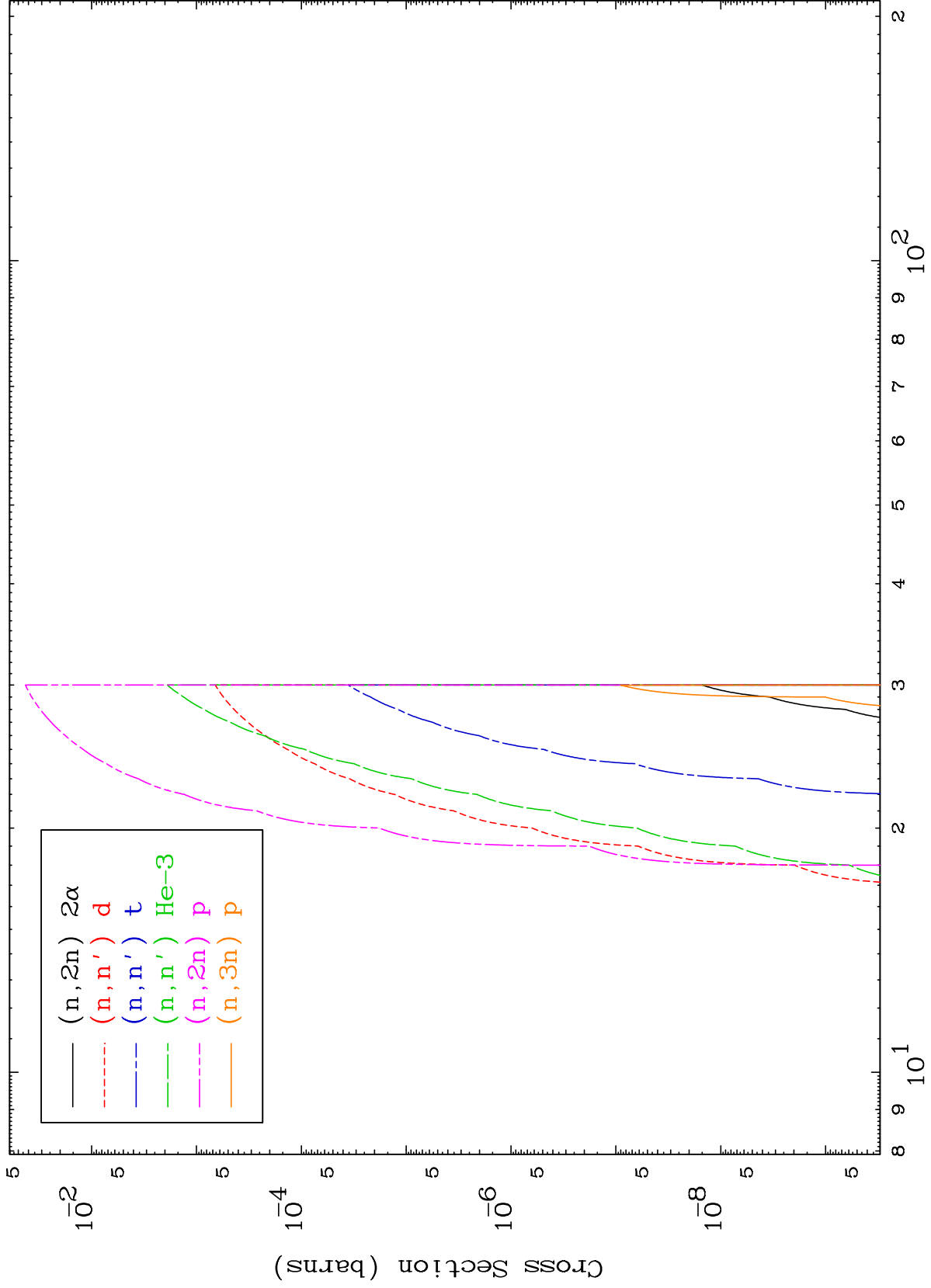
56-Ba-120



MAT 5595

Neutron Production  
293 Kelvin Cross Sections

56-Ba-120



Incident Energy (MeV)

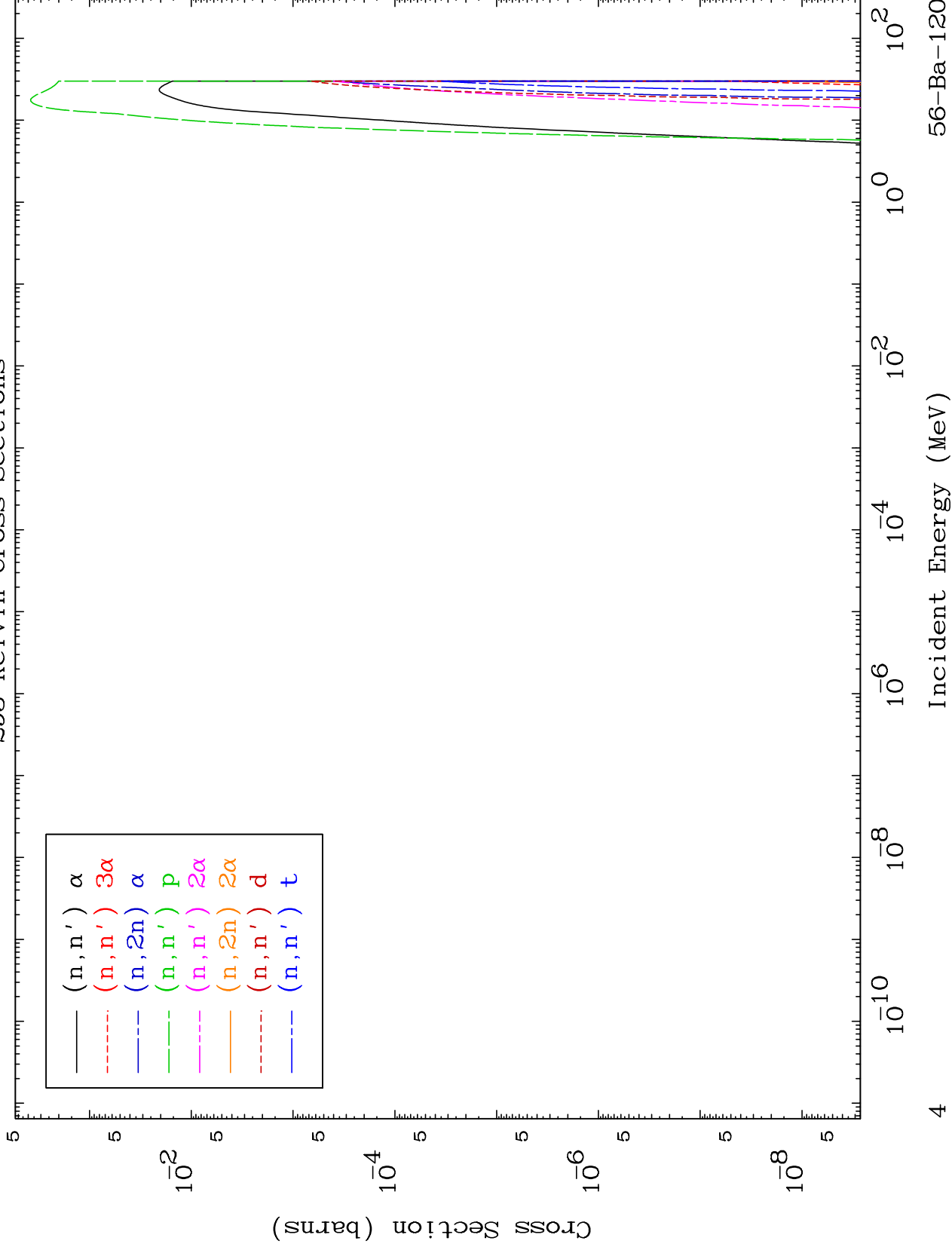
56-Ba-120

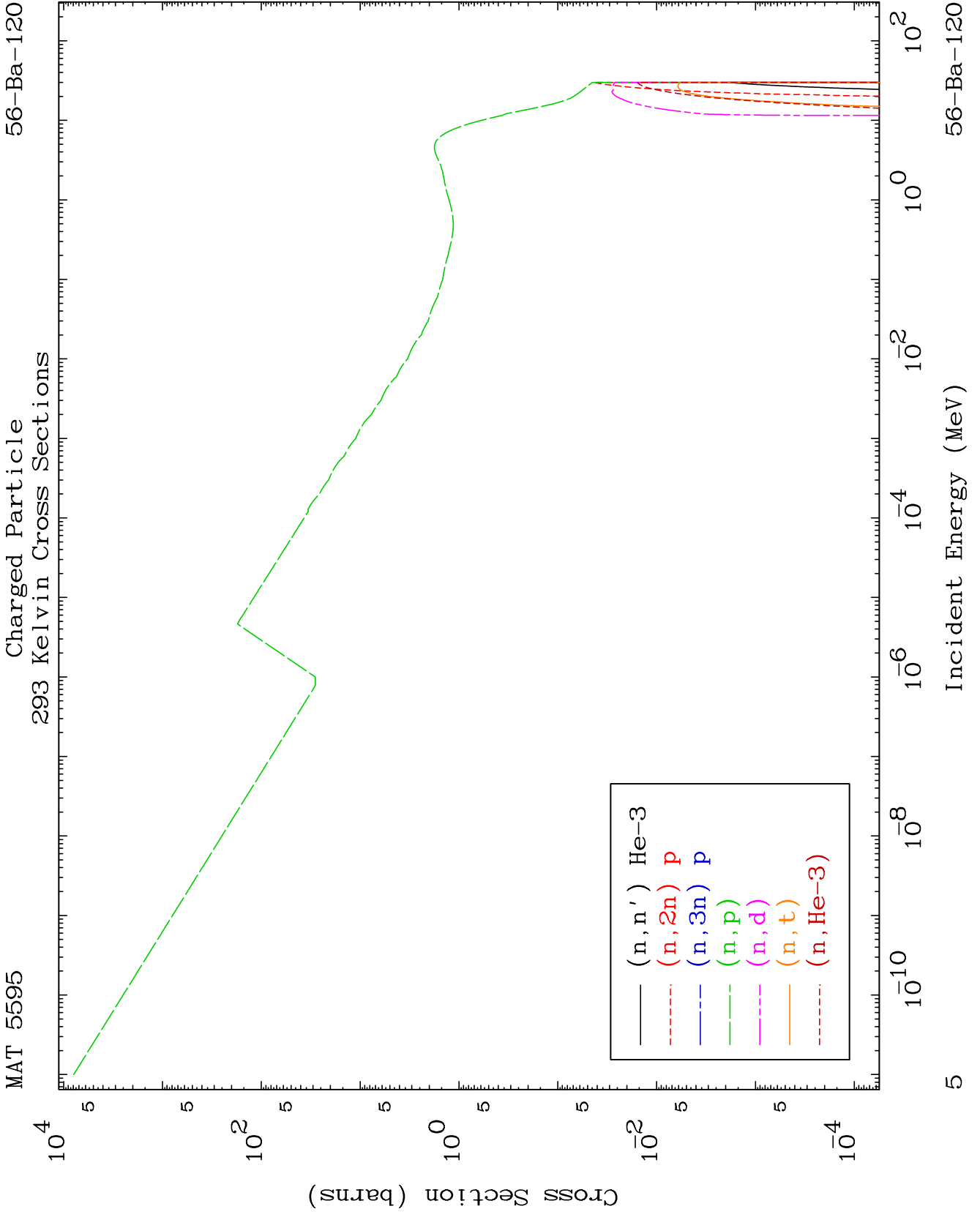
3

MAT 5595

Charged Particle  
293 Kelvin Cross Sections

56-Ba-120

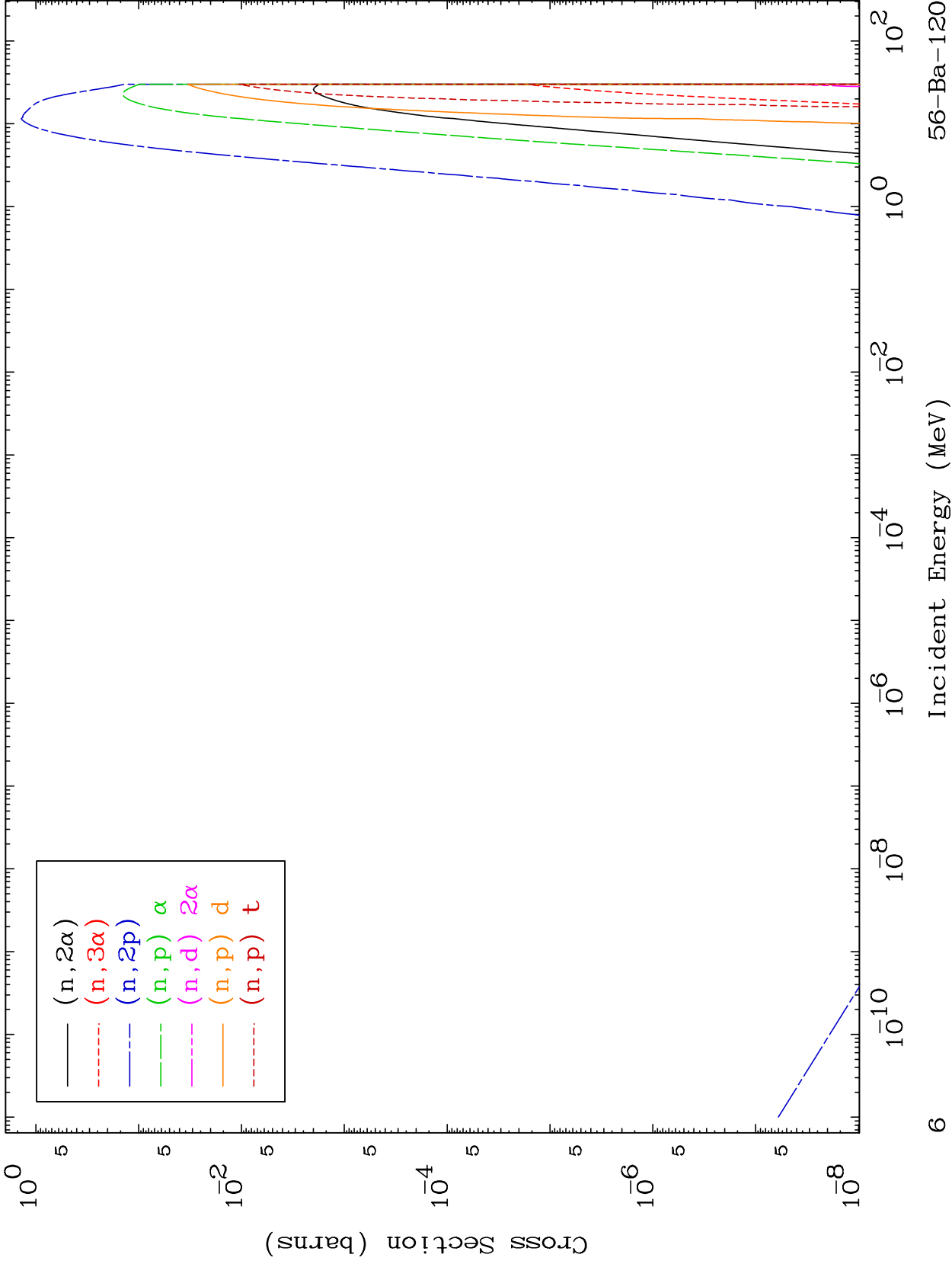


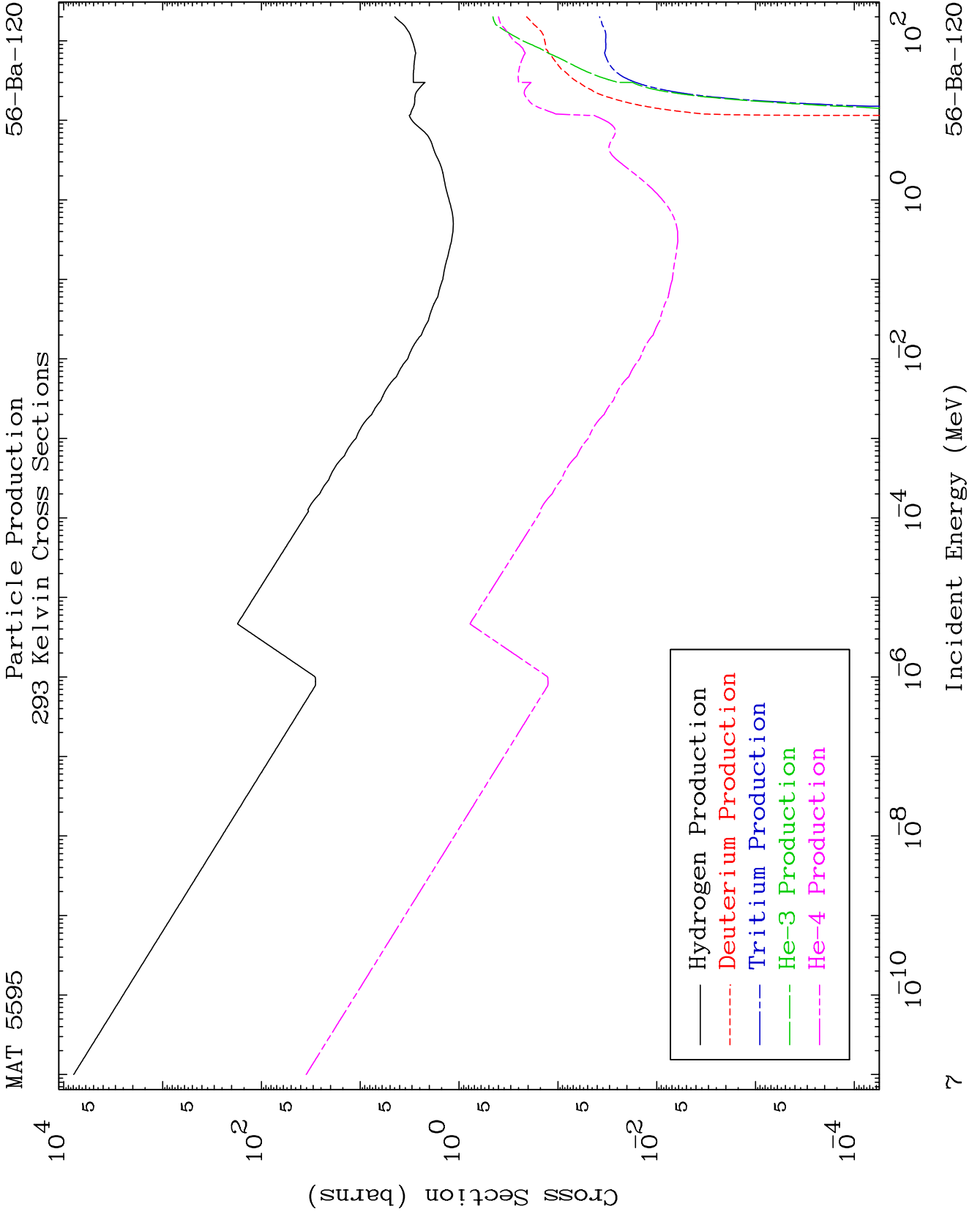


MAT 5595

Charged Particle  
293 Kelvin Cross Sections

56-Ba-120





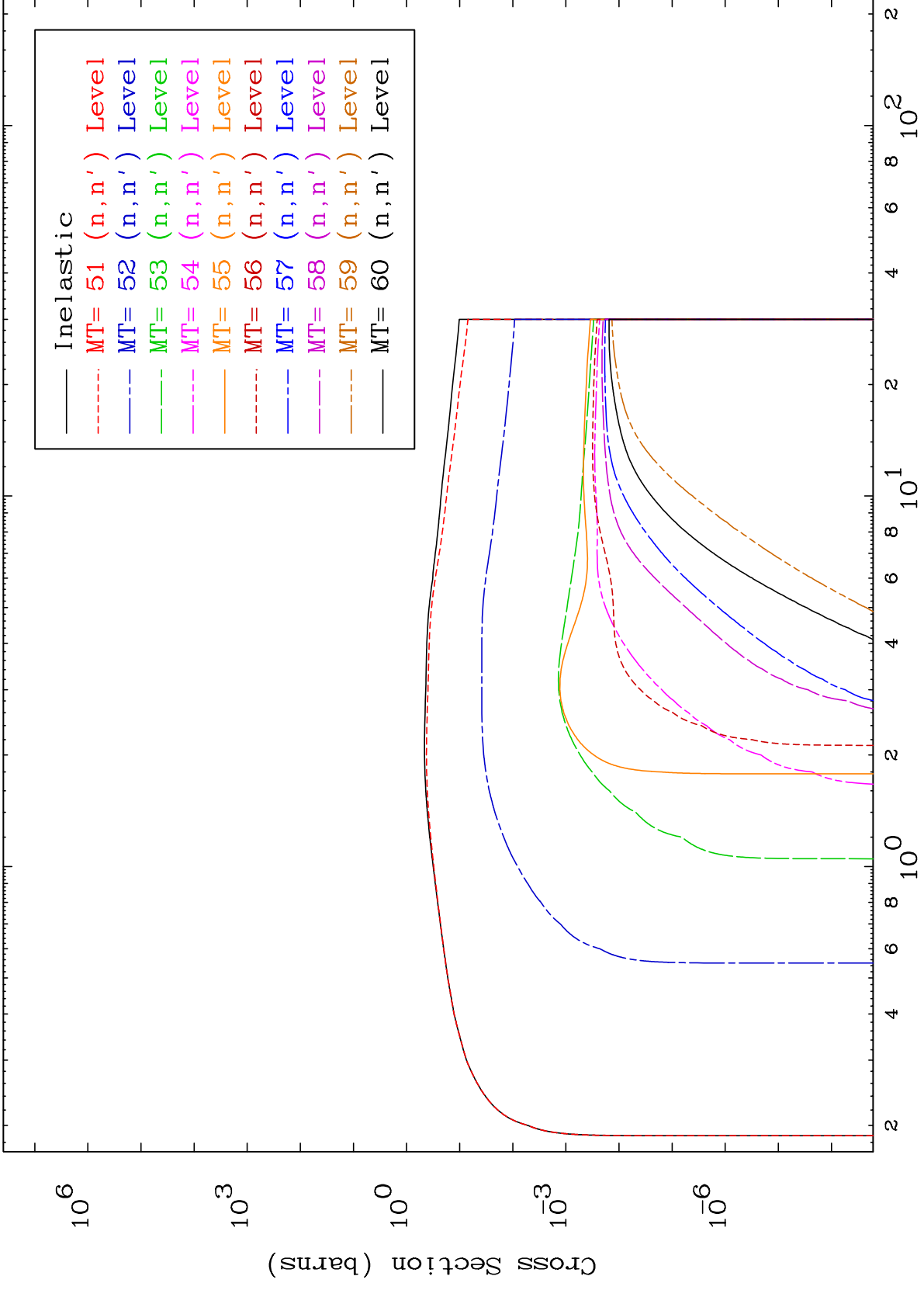


MAT 5595

(n,n') Level

56-Ba-120

293 Kelvin Cross Sections



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Incident Energy (MeV)

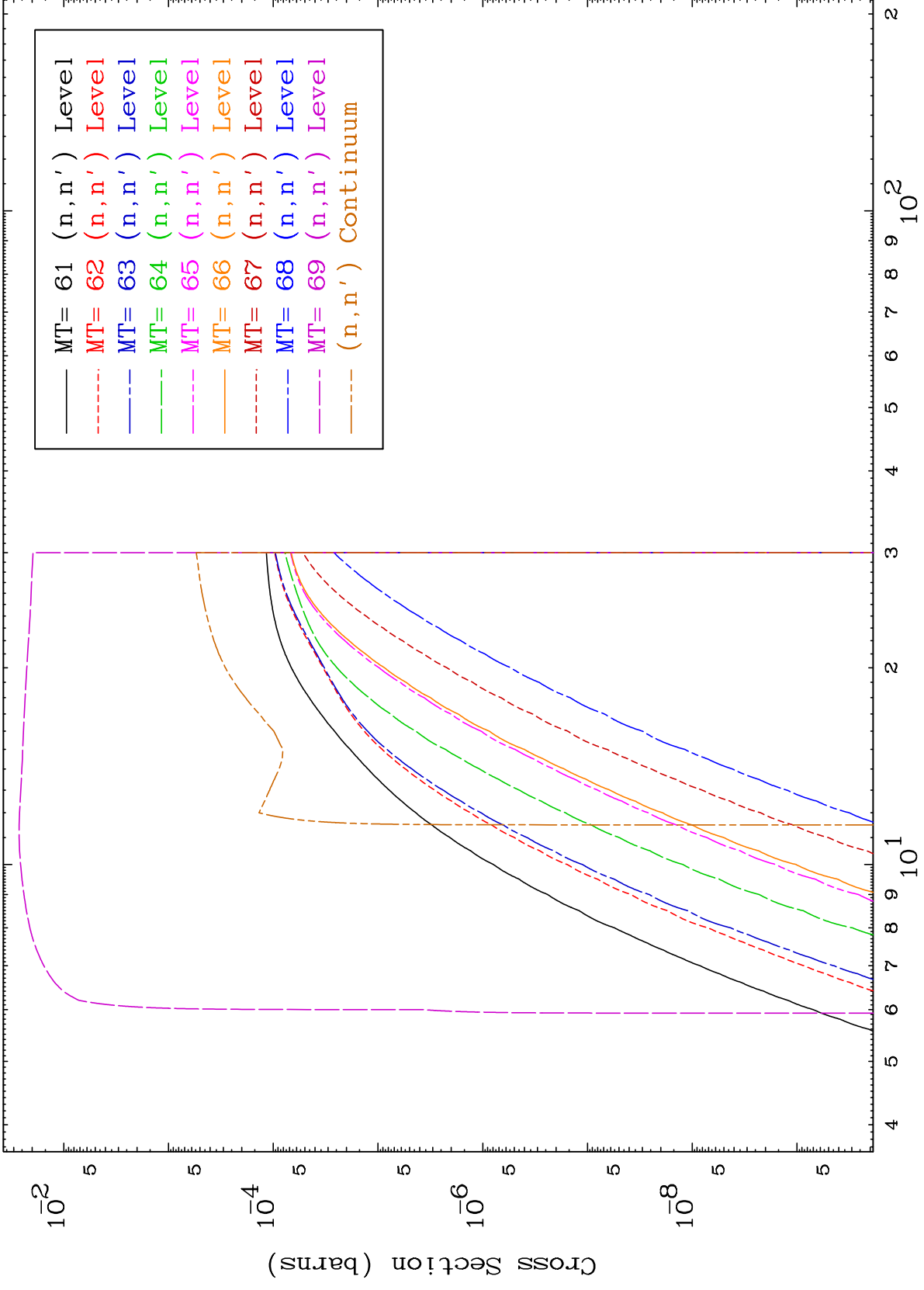
56-Ba-120

MAT 5595

(n,n') Level

56-Ba-120

293 Kelvin Cross Sections



9

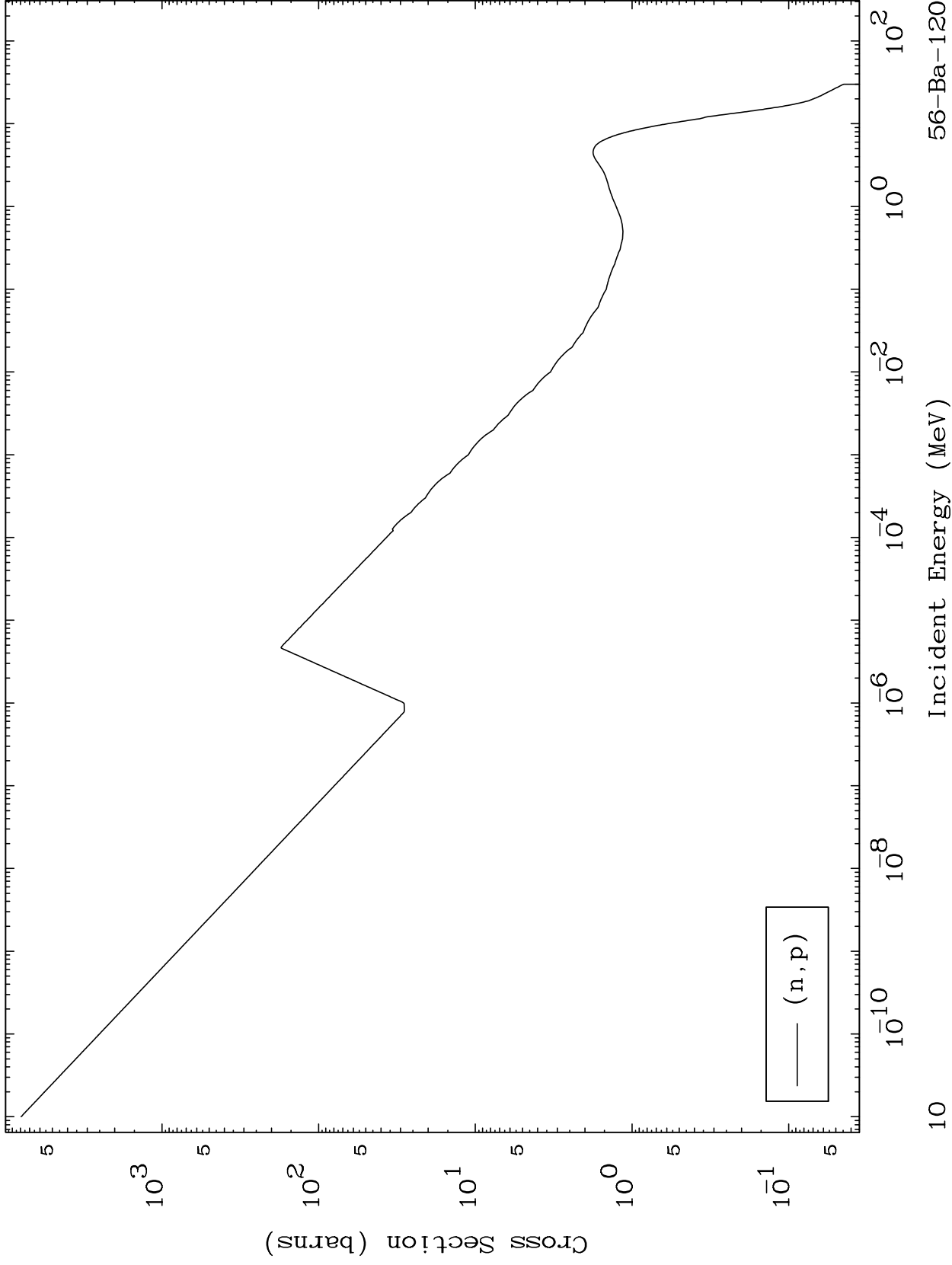
Incident Energy (MeV)

56-Ba-120

MAT 5595

(n,p) Levels  
293 Kelvin Cross Sections

56-Ba-120



10

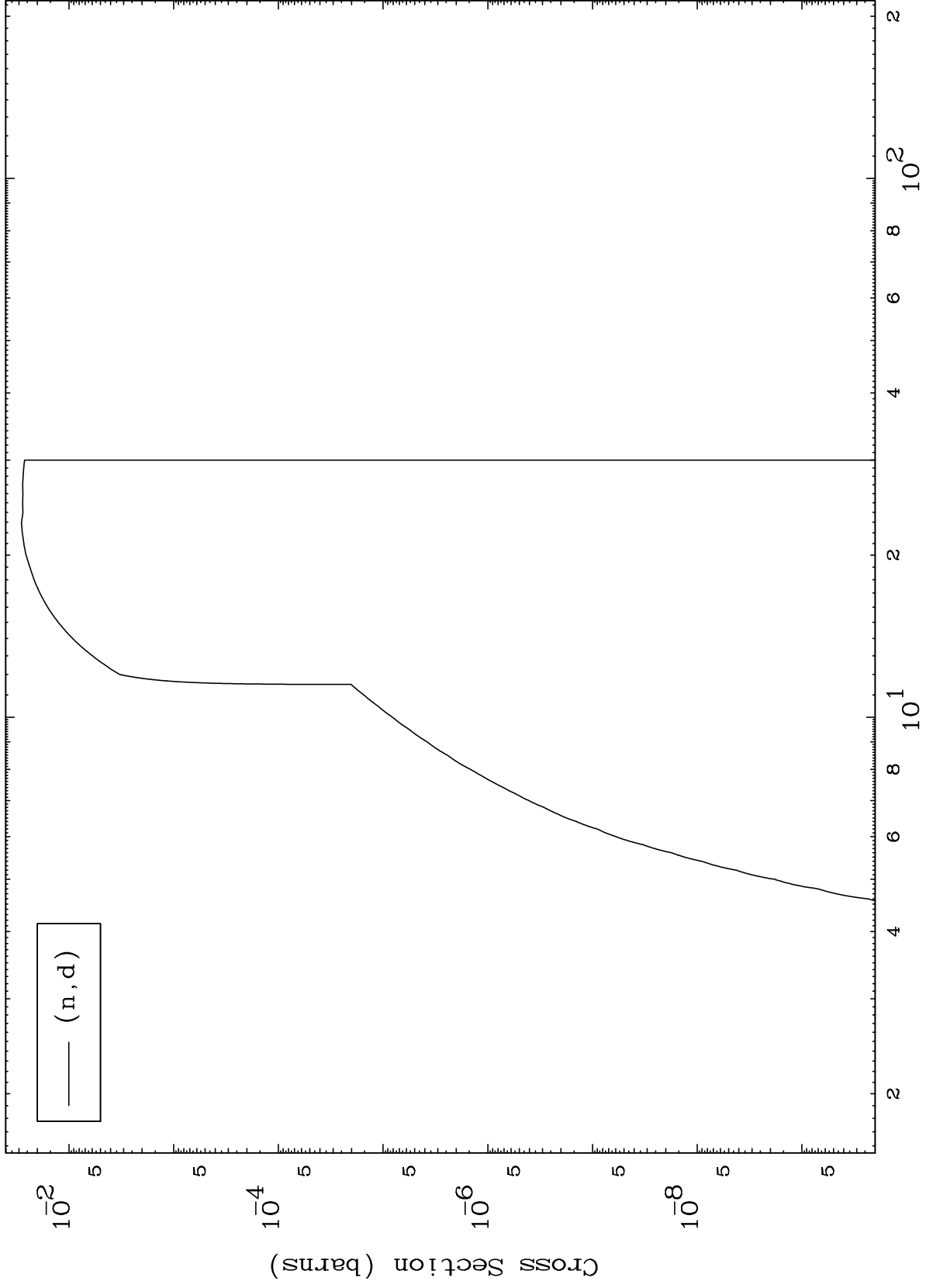
Incident Energy (MeV)

56-Ba-120

MAT 5595

(n,d) Levels  
293 Kelvin Cross Sections

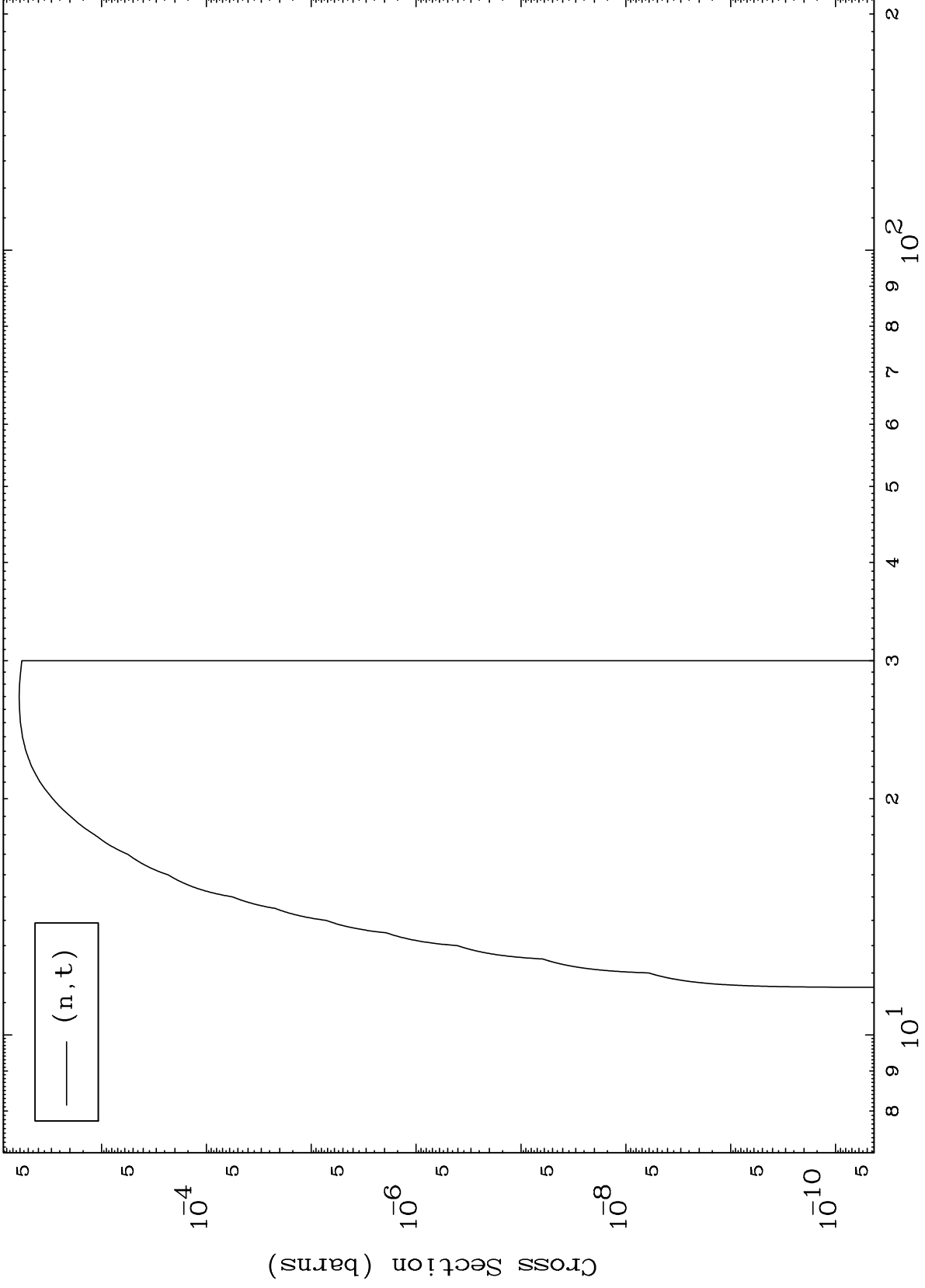
56-Ba-120



MAT 5595

(n,t) Levels  
293 Kelvin Cross Sections

56-Ba-120



12

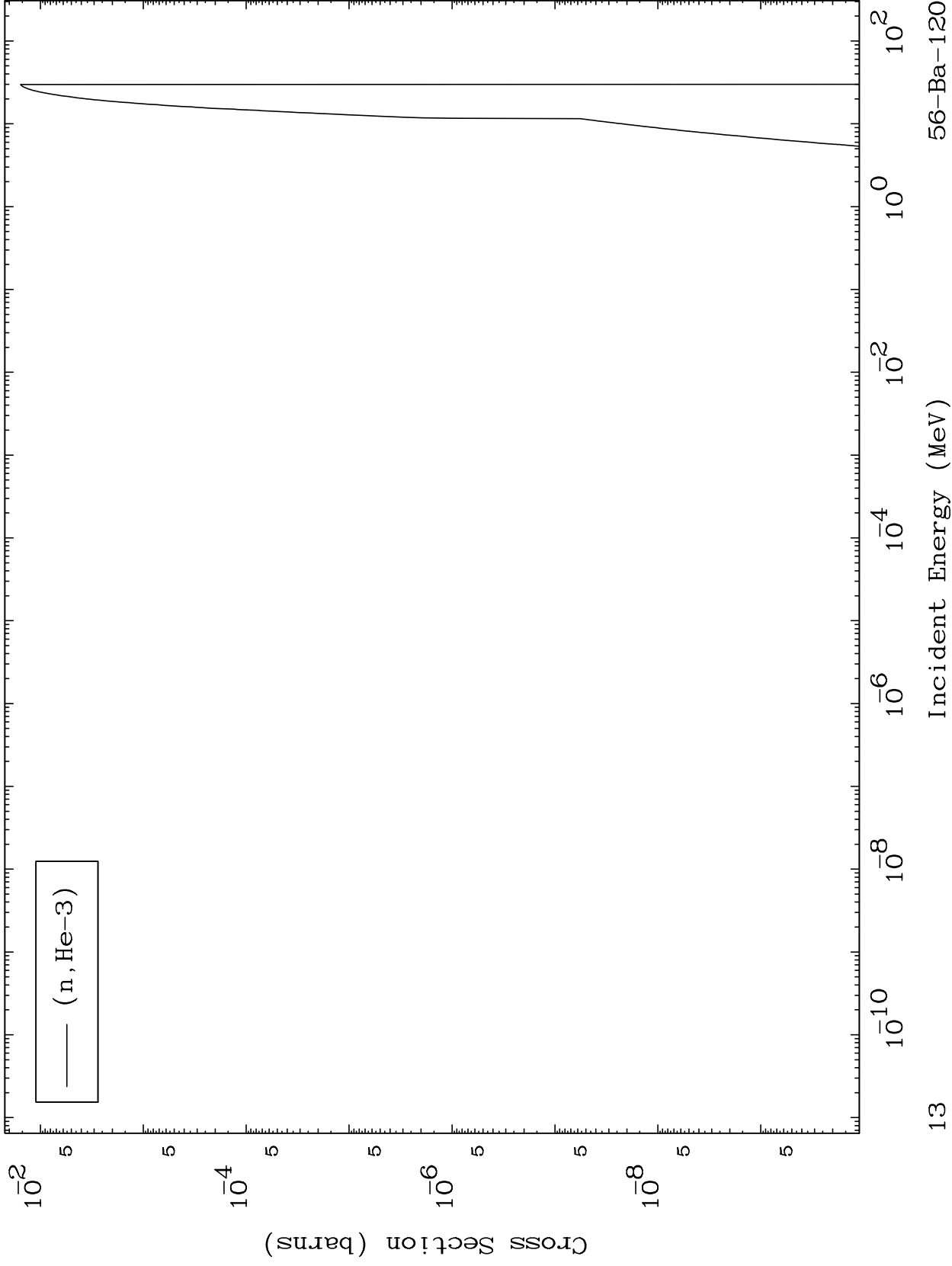
Incident Energy (MeV)

56-Ba-120

MAT 5595

(n,He3) Levels  
293 Kelvin Cross Sections

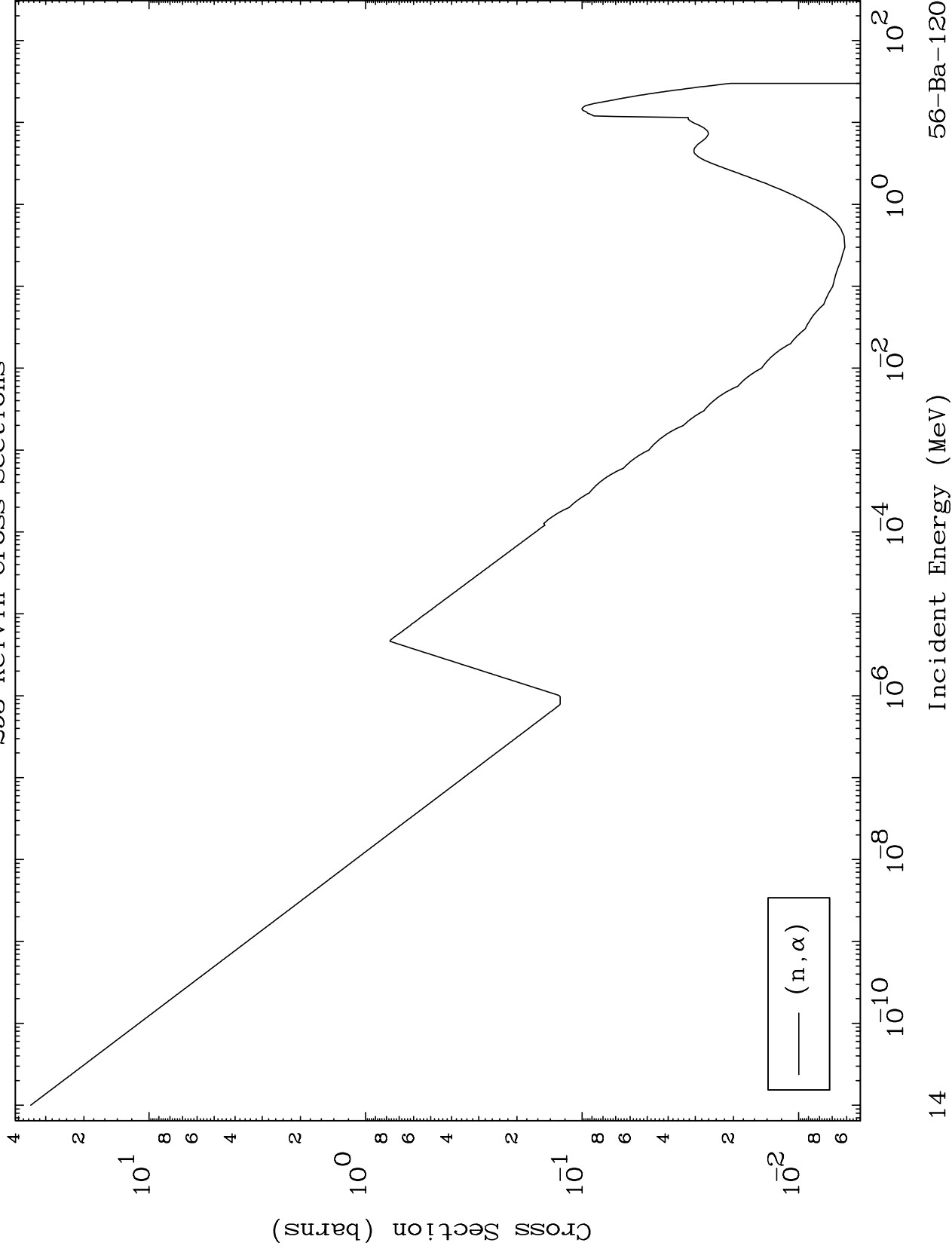
56-Ba-120

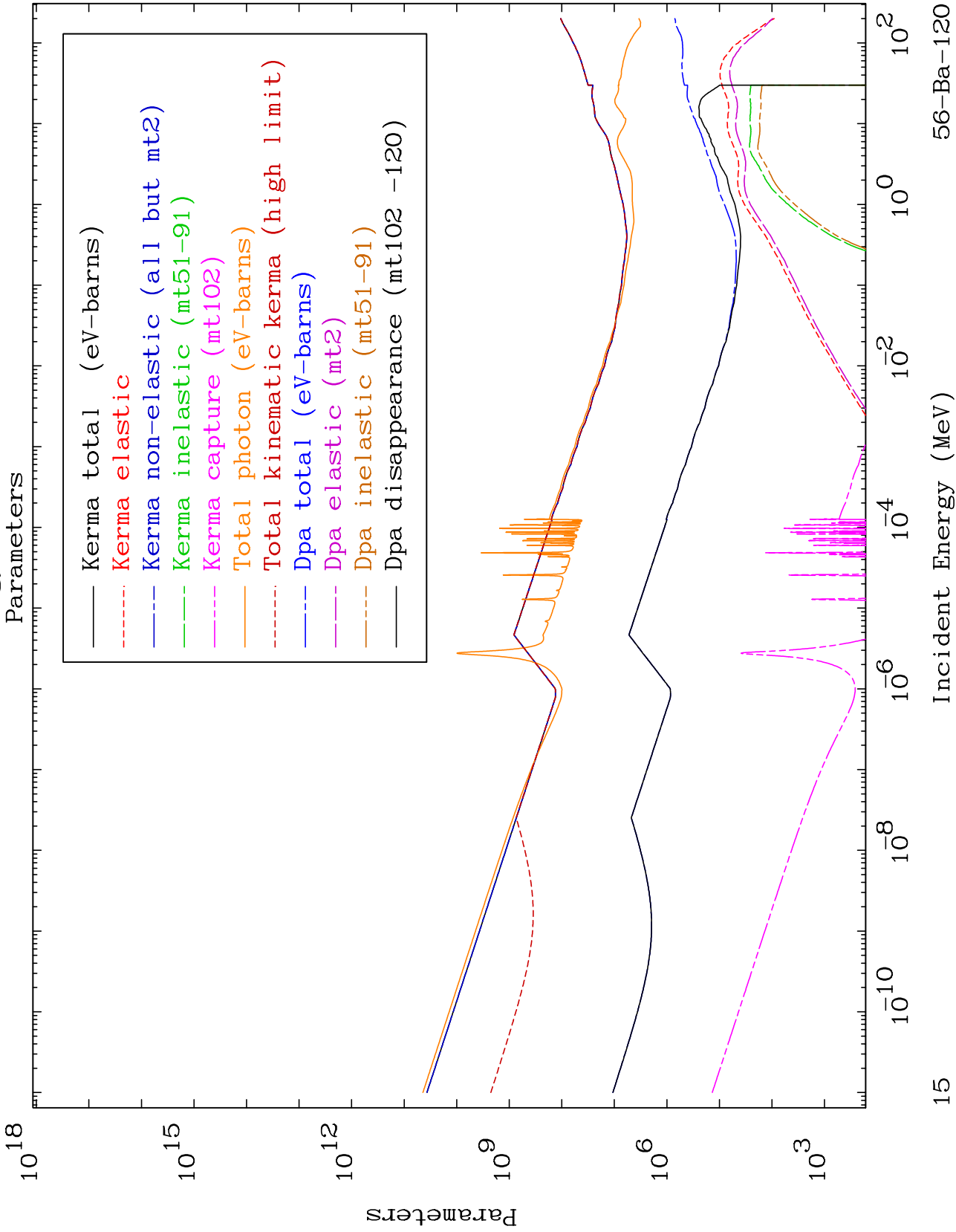


MAT 5595

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

56-Ba-120



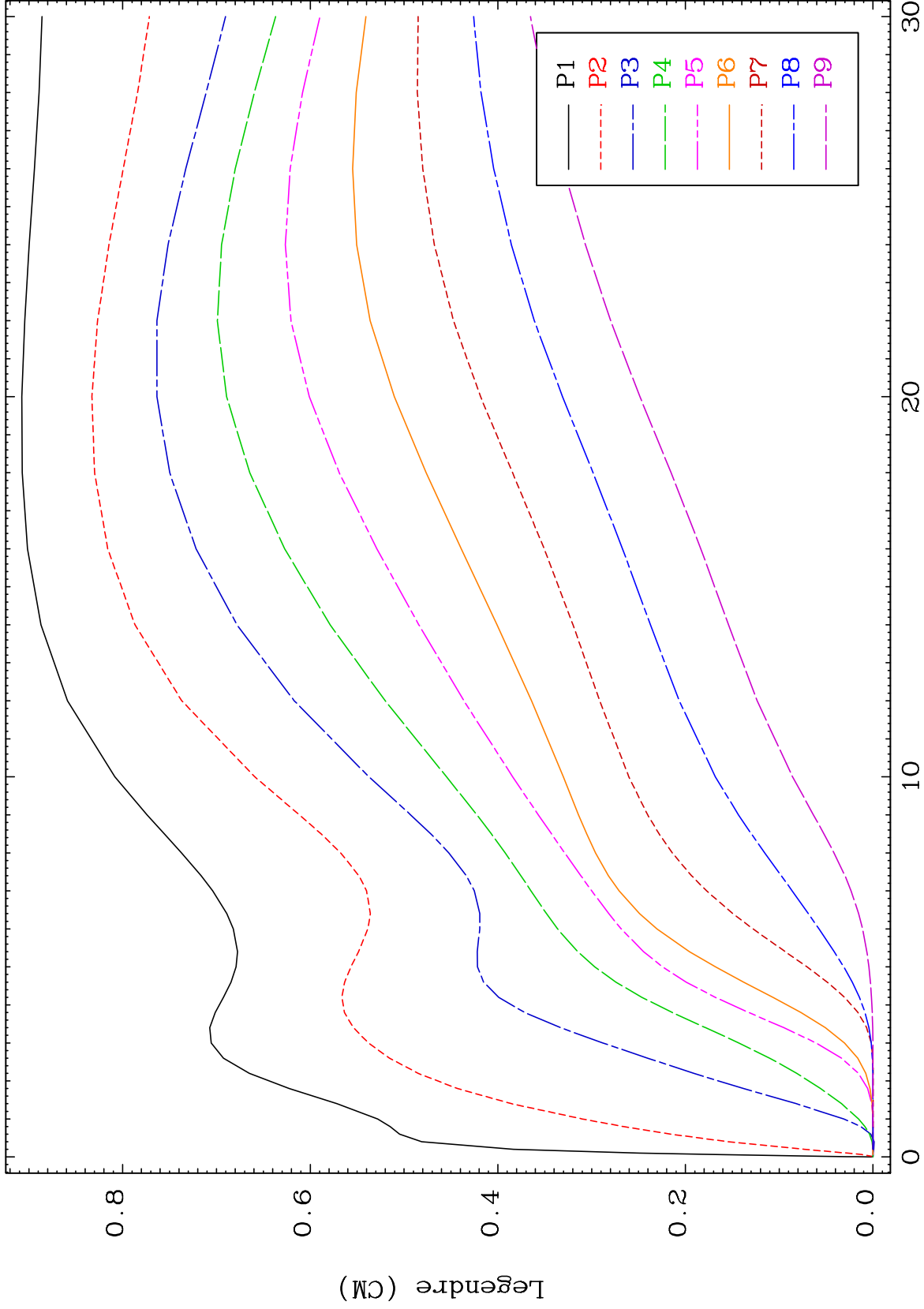




MAT 5595

Elastic Legendre Coefficients

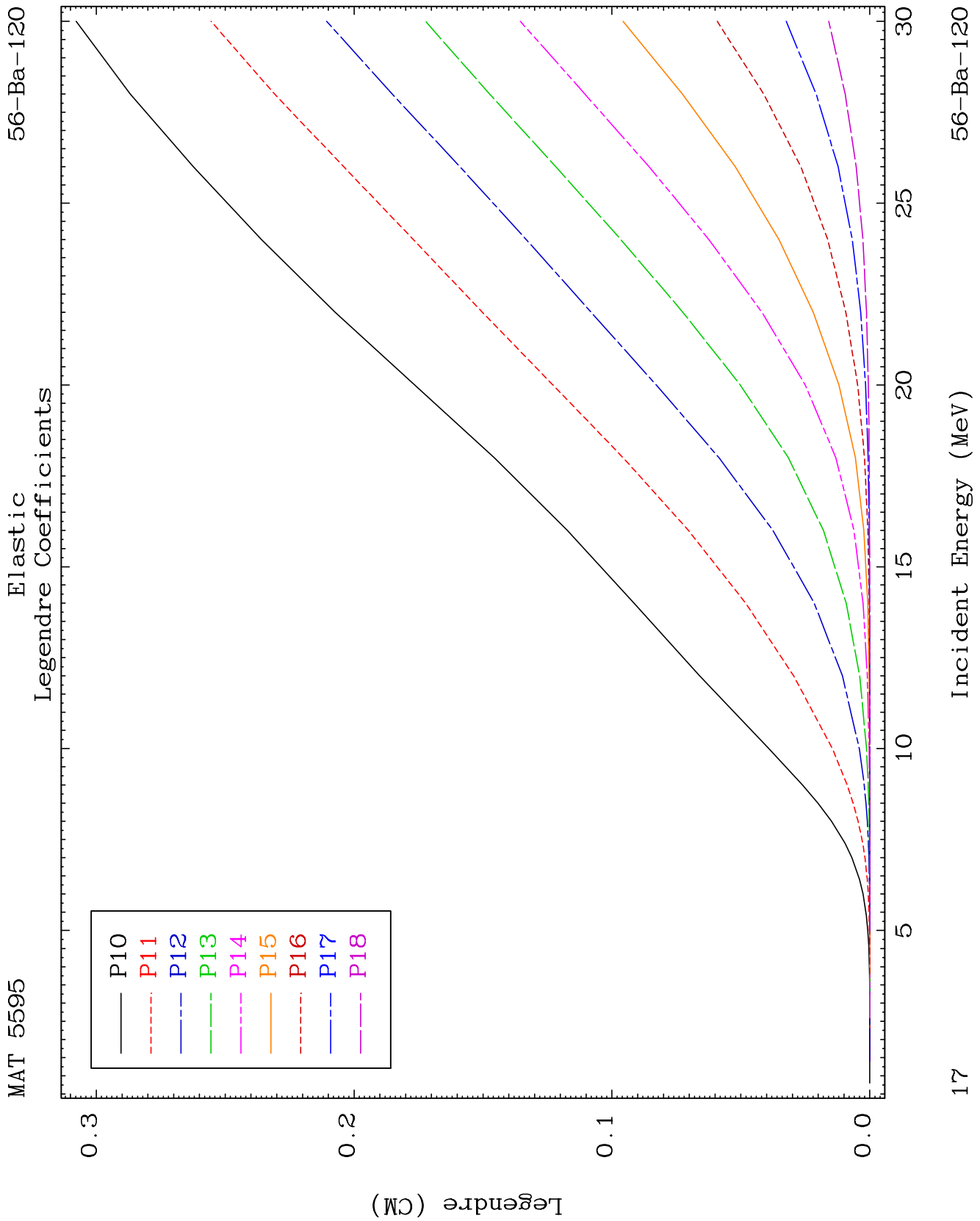
56-Ba-120



16

Incident Energy (MeV)

56-Ba-120



MAT 5595

Elastic Legendre Coefficients

56-Ba-120

17

Incident Energy (MeV)

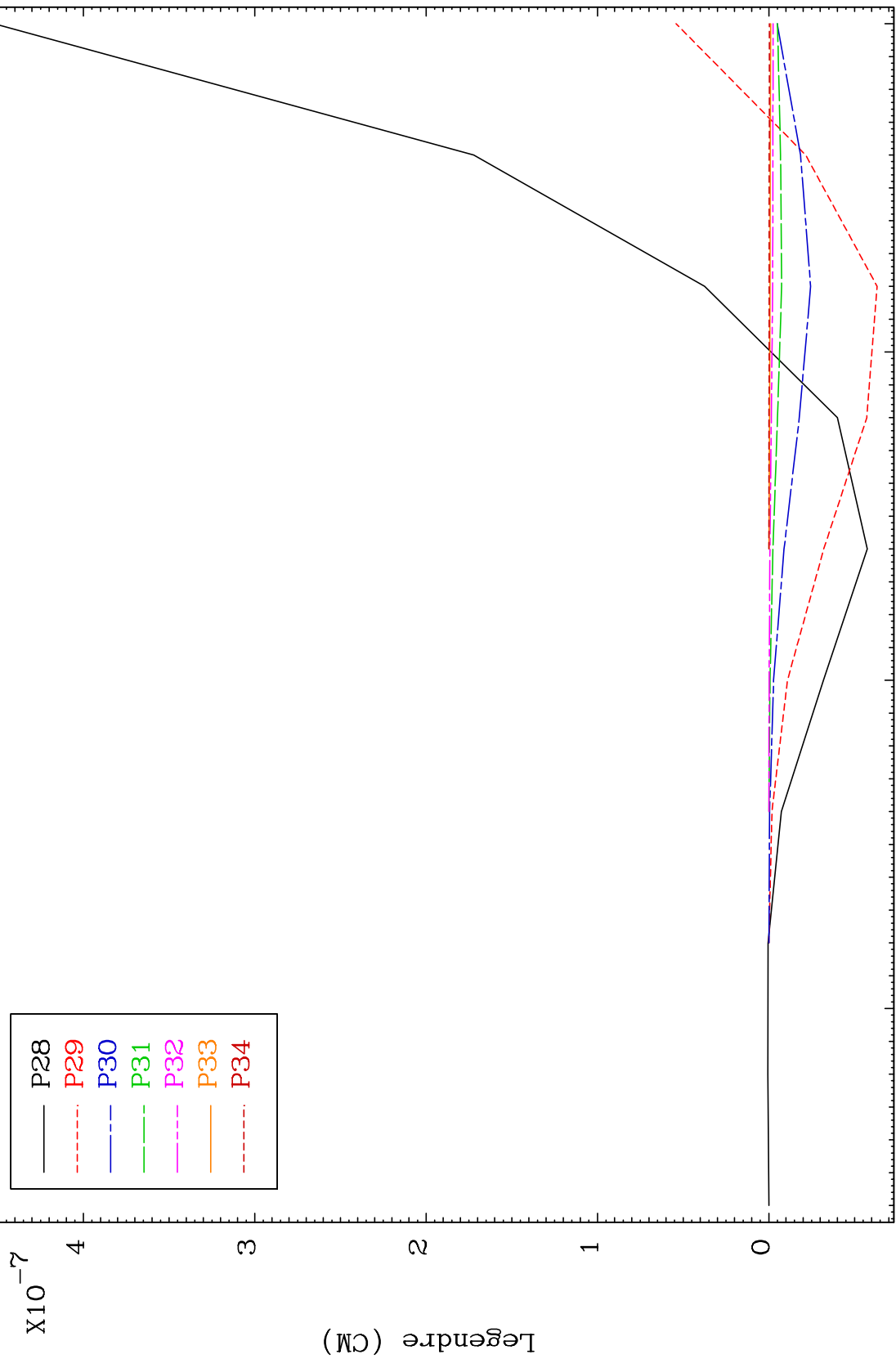
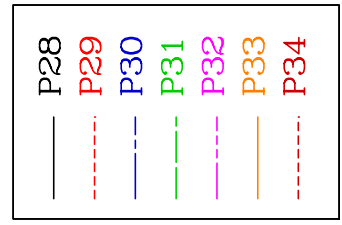
56-Ba-120



MAT 5595

Elastic Legendre Coefficients

56-Ba-120

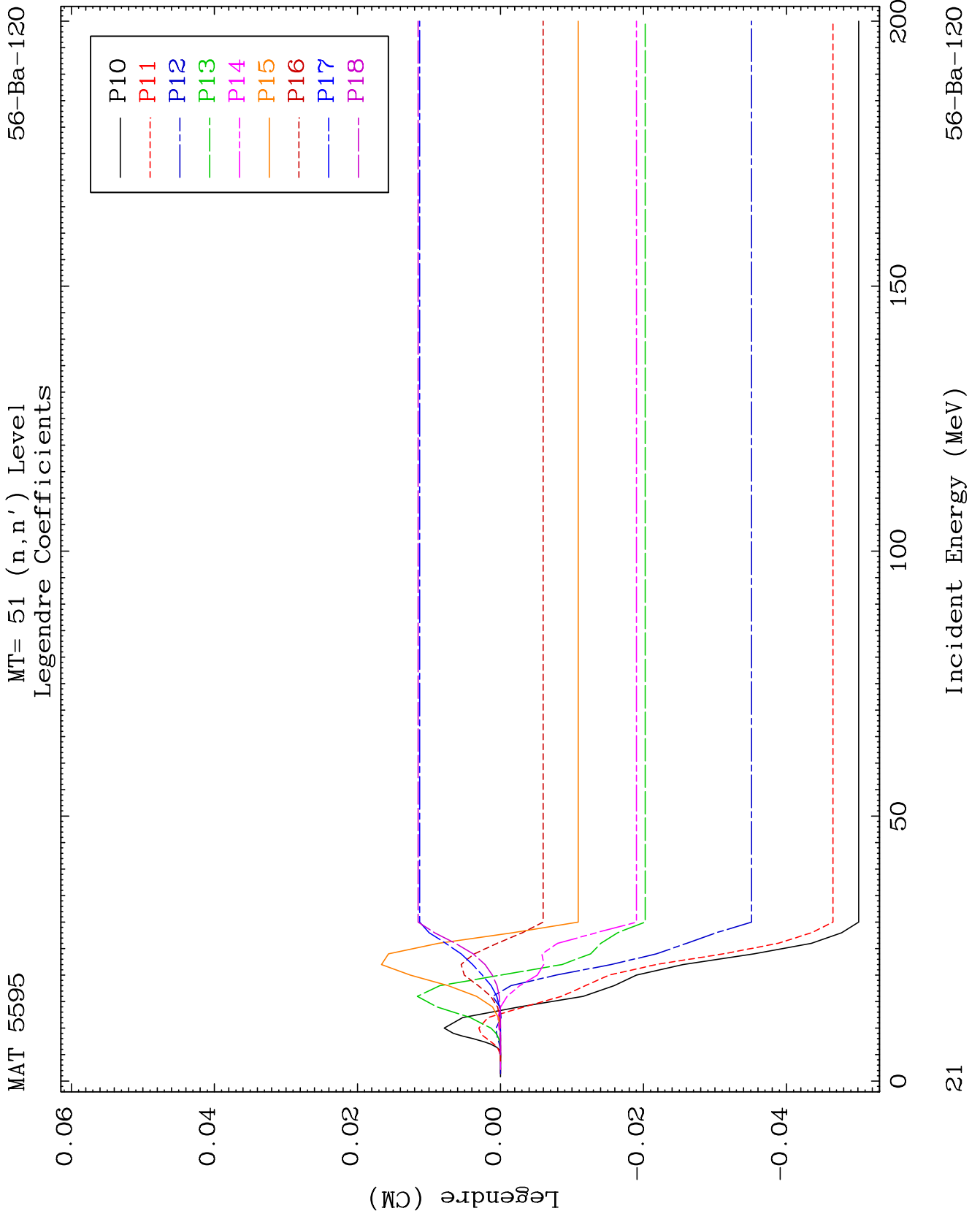


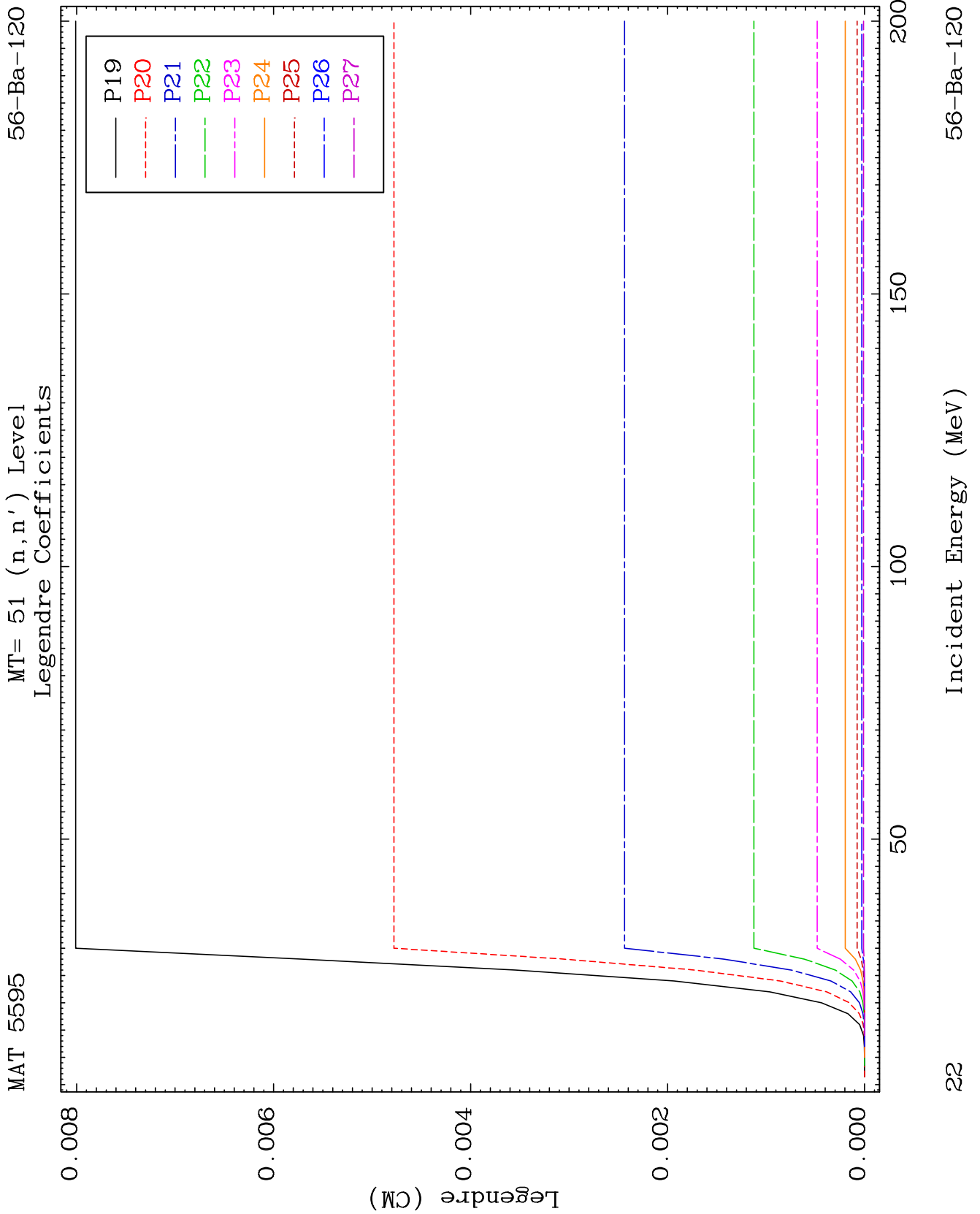
19

Incident Energy (MeV)

56-Ba-120



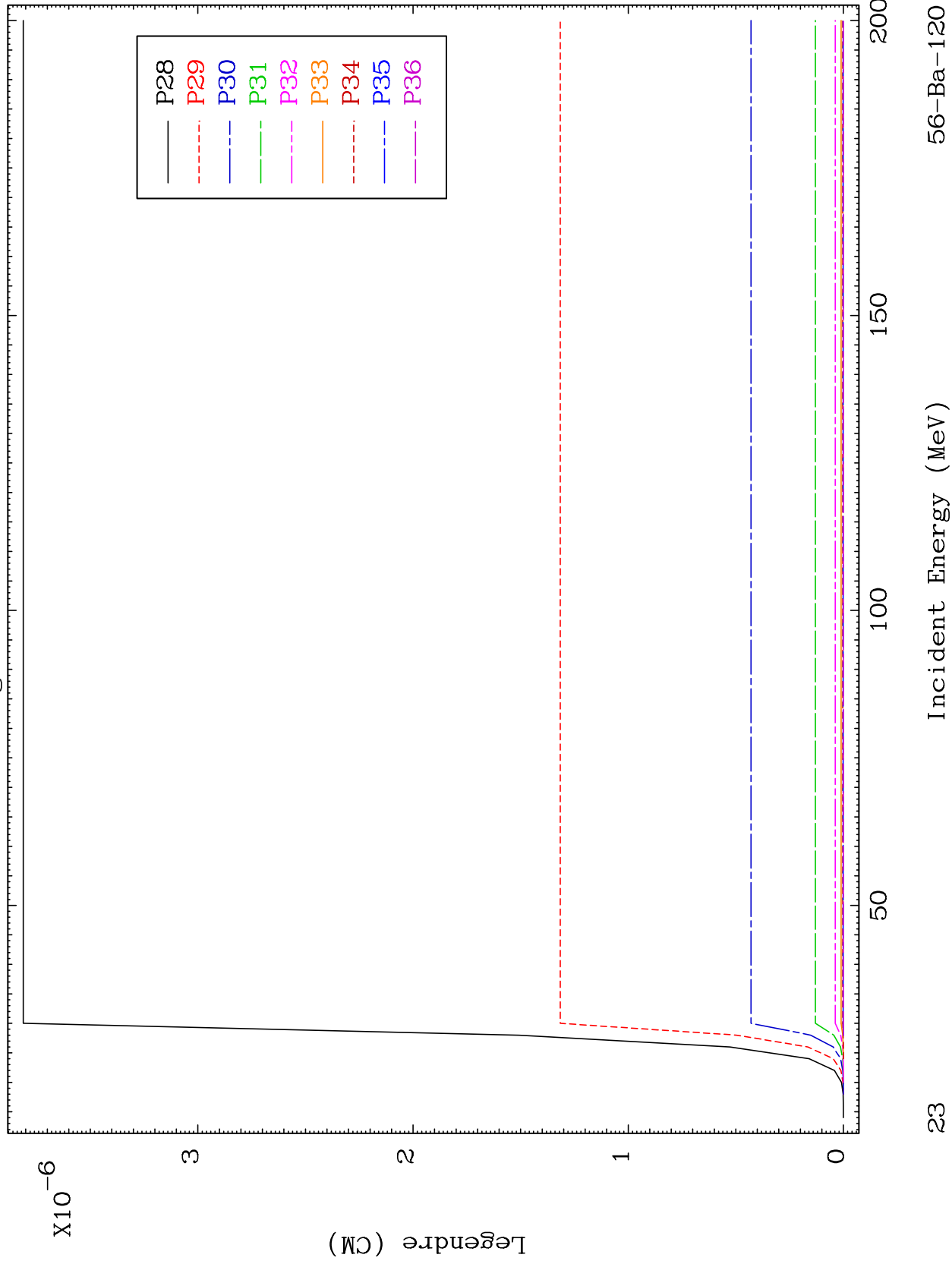




MAT 5595

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

56-Ba-120

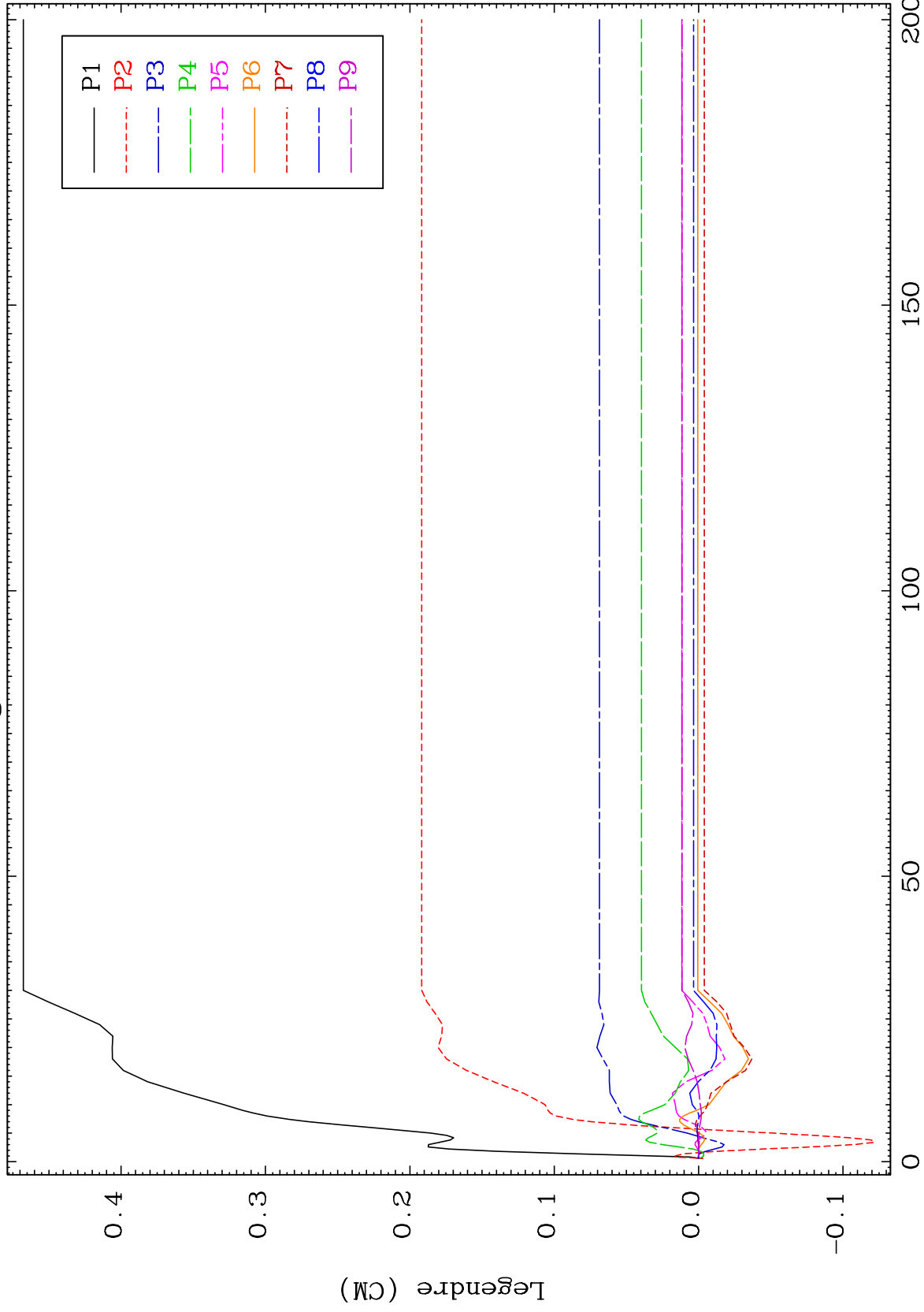




MAT 5595

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

56-Ba-120



56-Ba-120

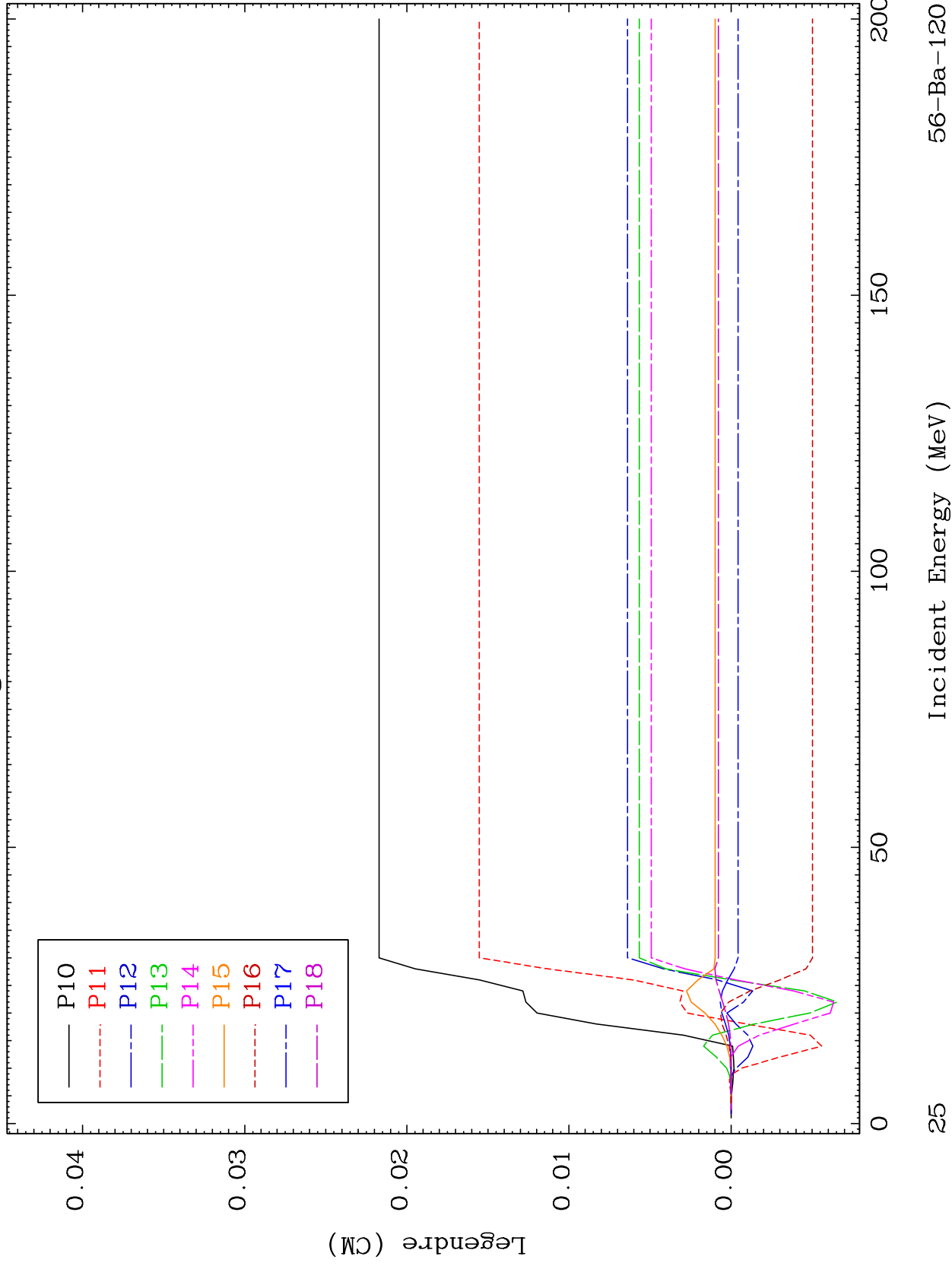
Incident Energy (MeV)

24

MAT 5595

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

56-Ba-120



56-Ba-120

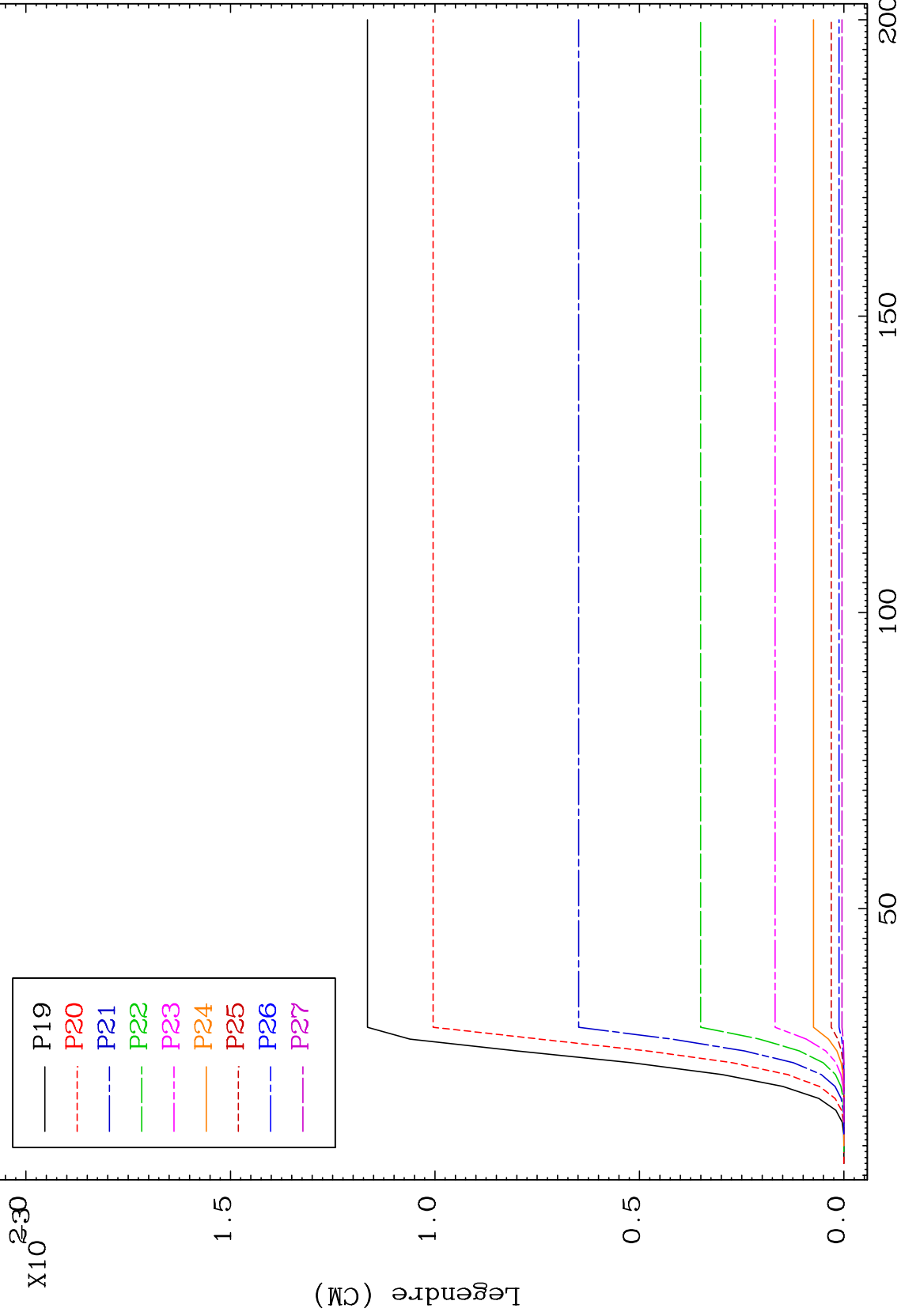
Incident Energy (MeV)

25

MAT 5595

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

56-Ba-120



26

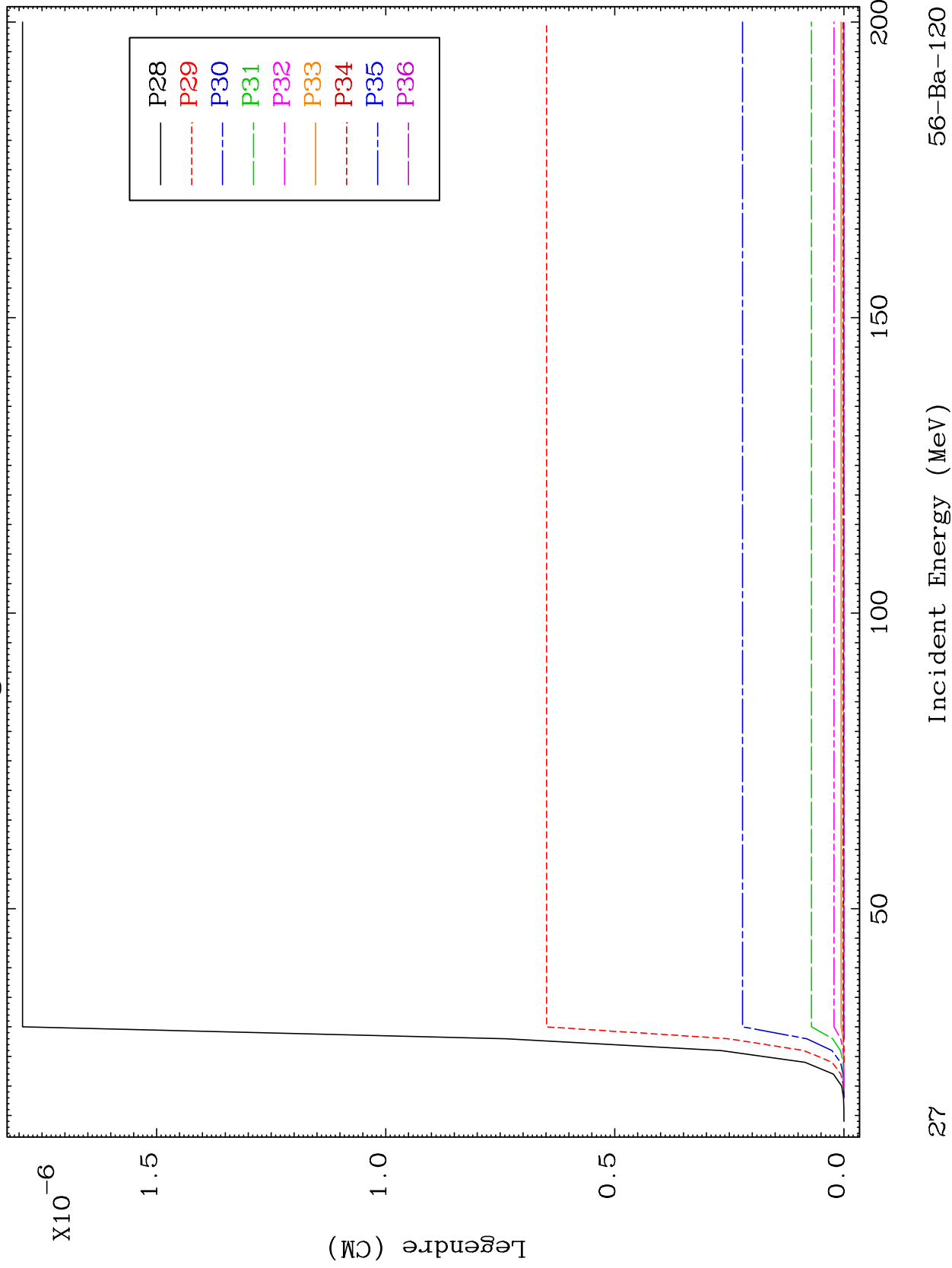
Incident Energy (MeV)

56-Ba-120

MAT 5595

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

56-Ba-120



27

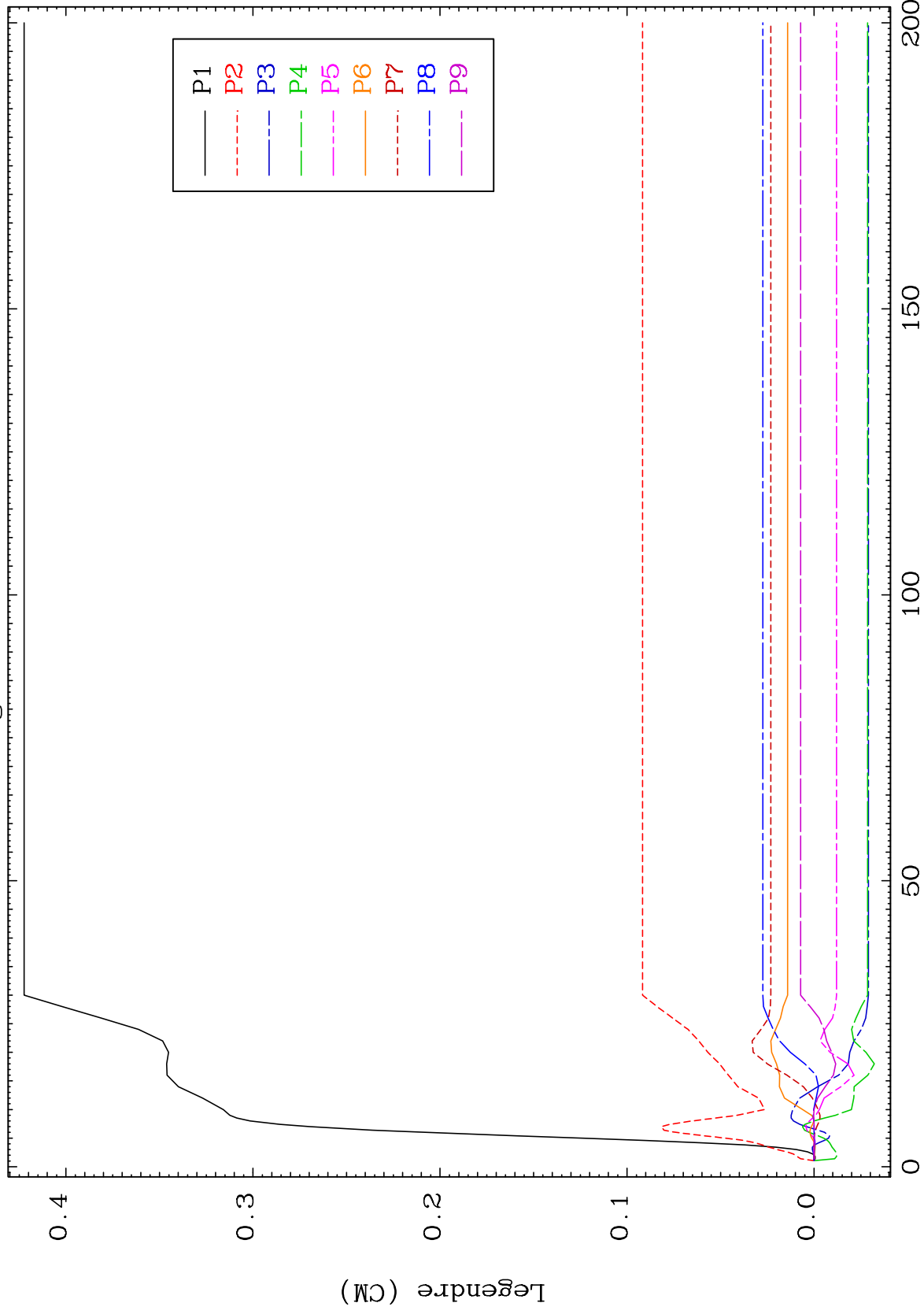
Incident Energy (MeV)

56-Ba-120

MAT 5595

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

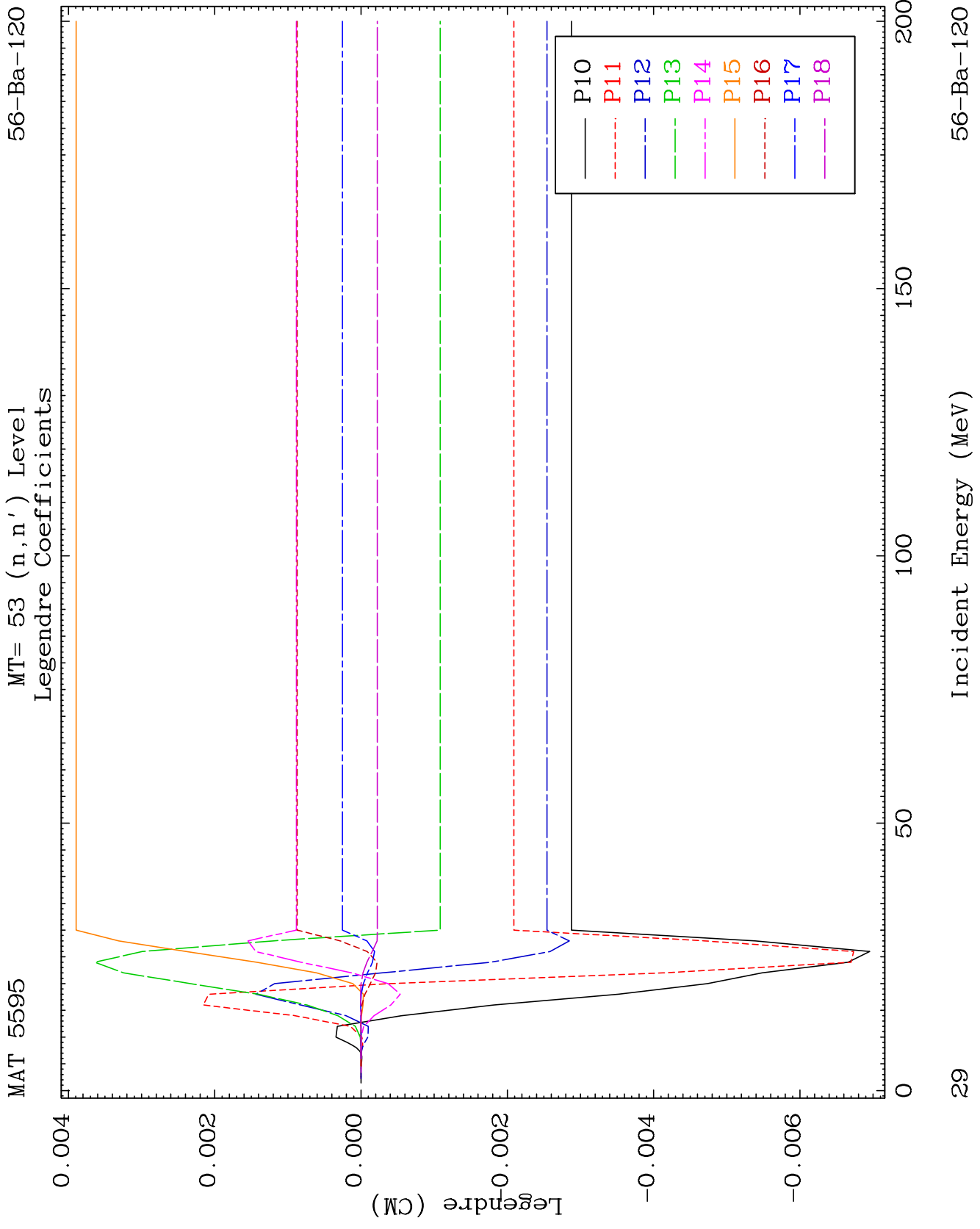
56-Ba-120

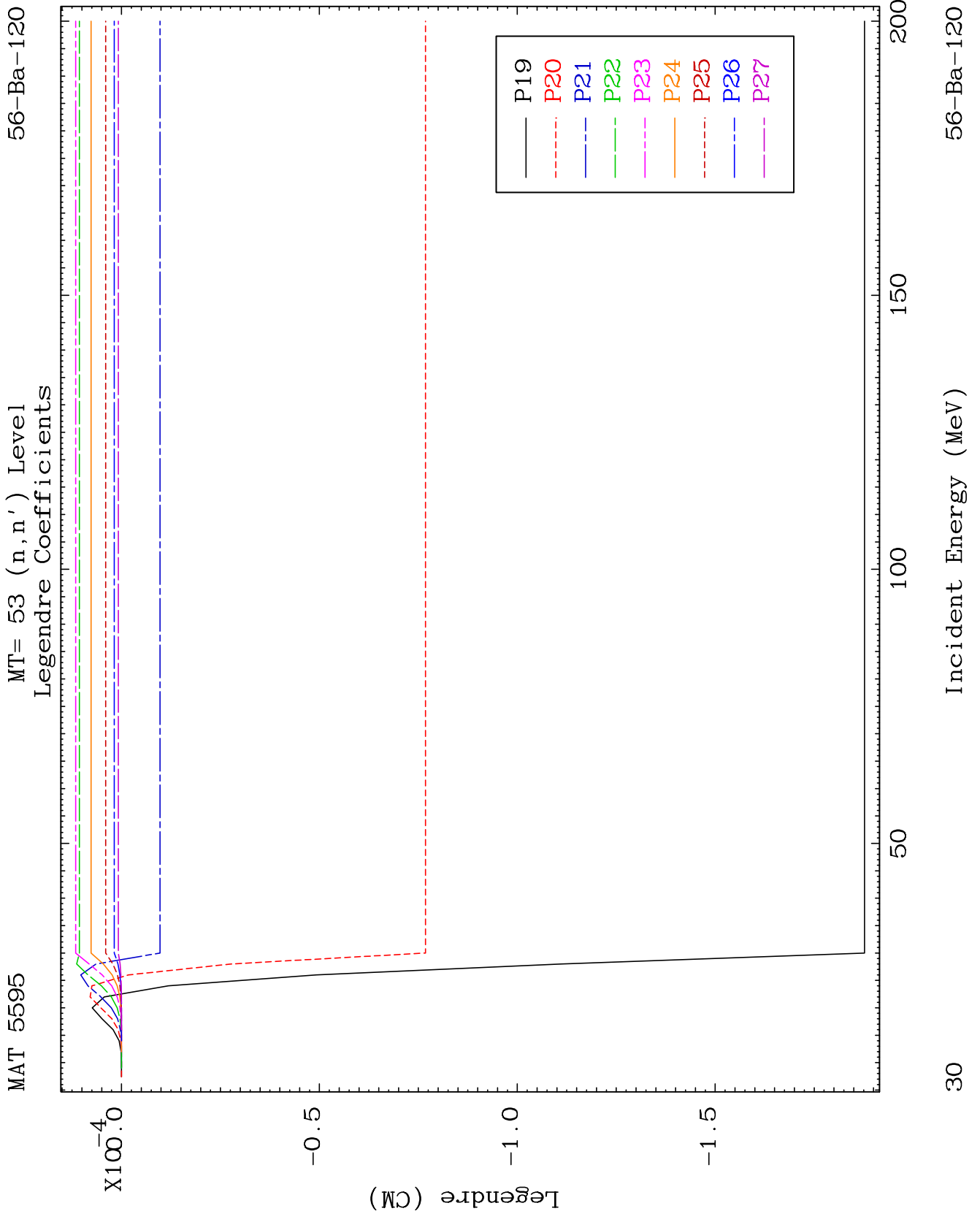


28

Incident Energy (MeV)

56-Ba-120

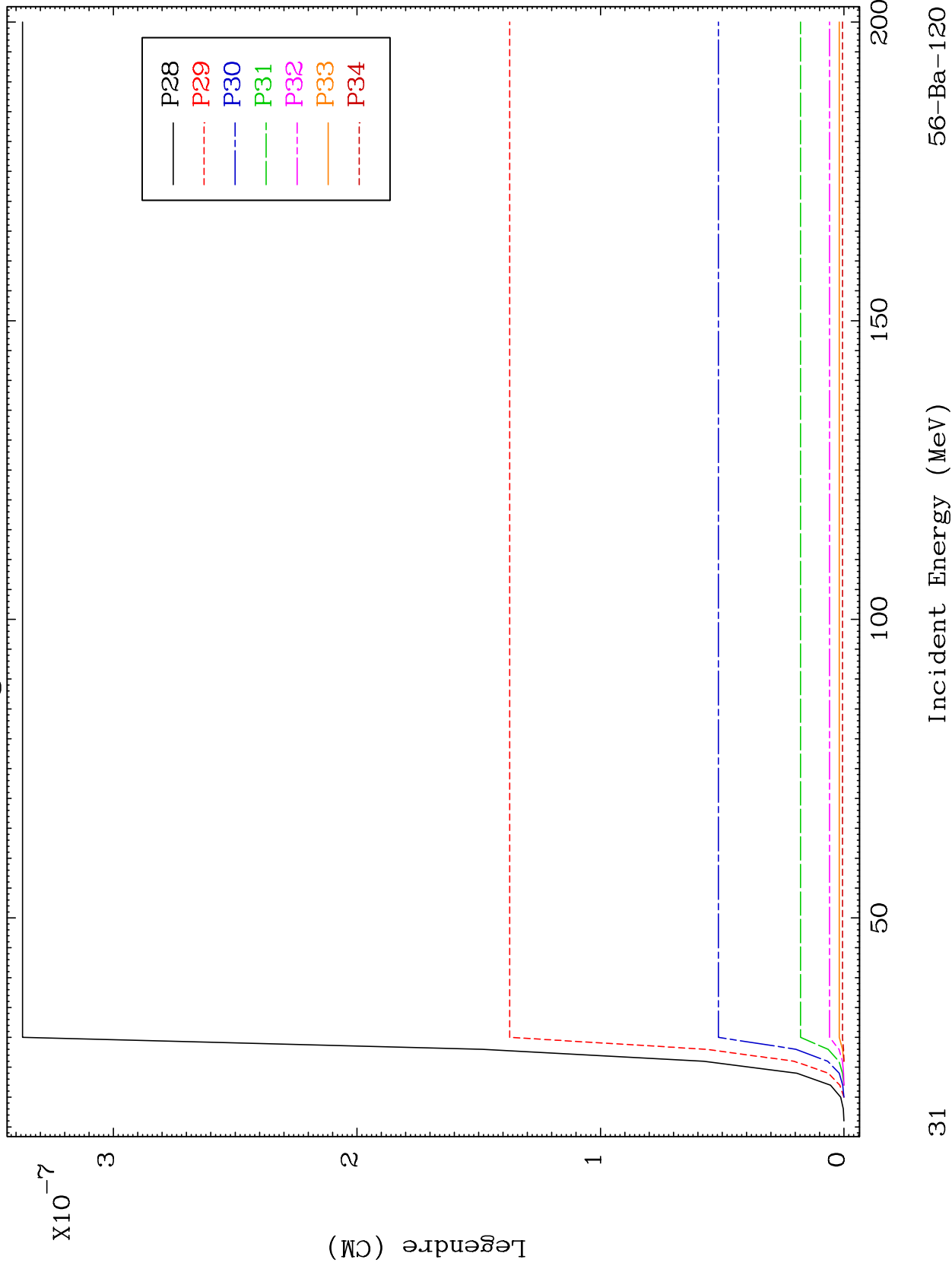




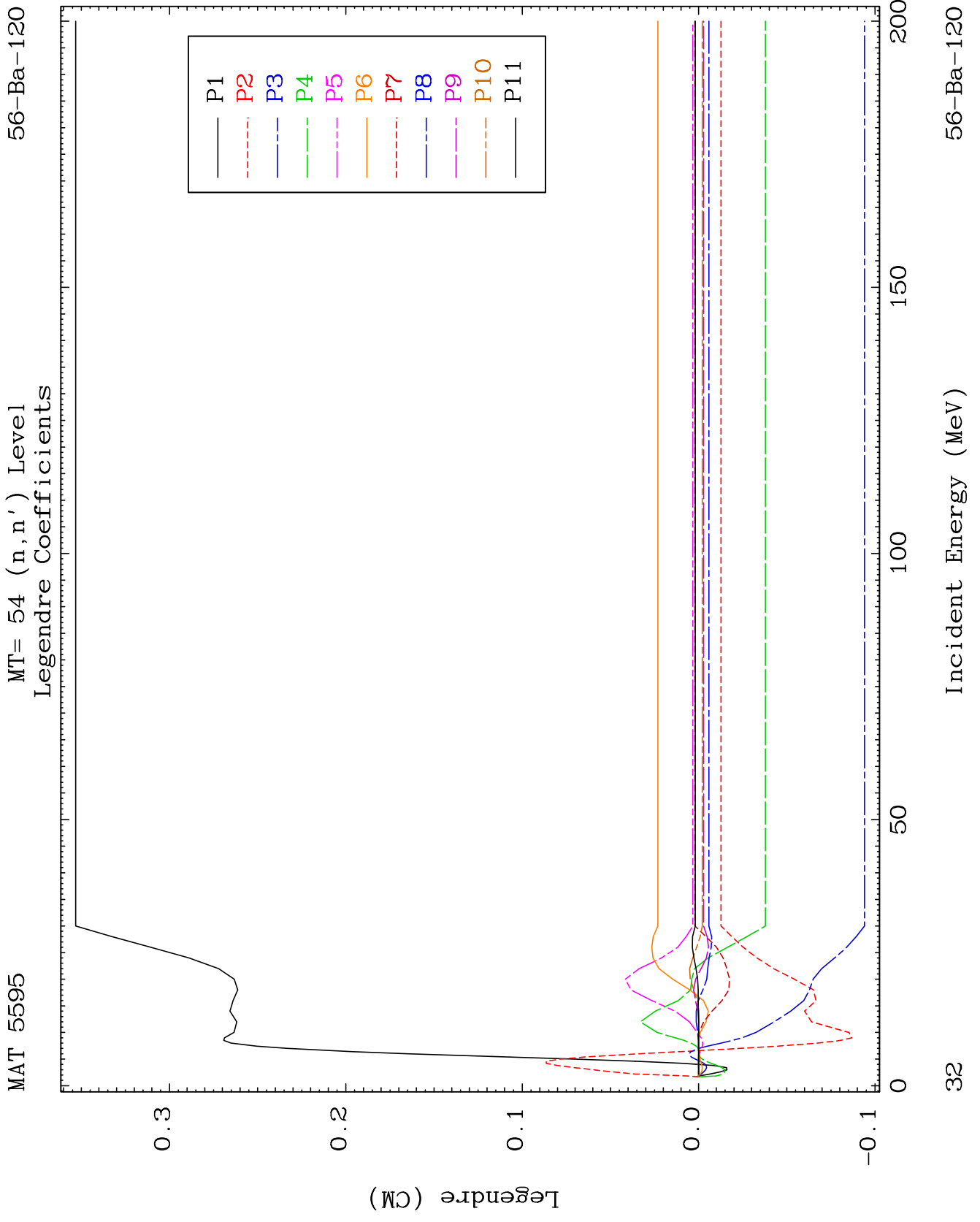
MAT 5595

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

56-Ba-120



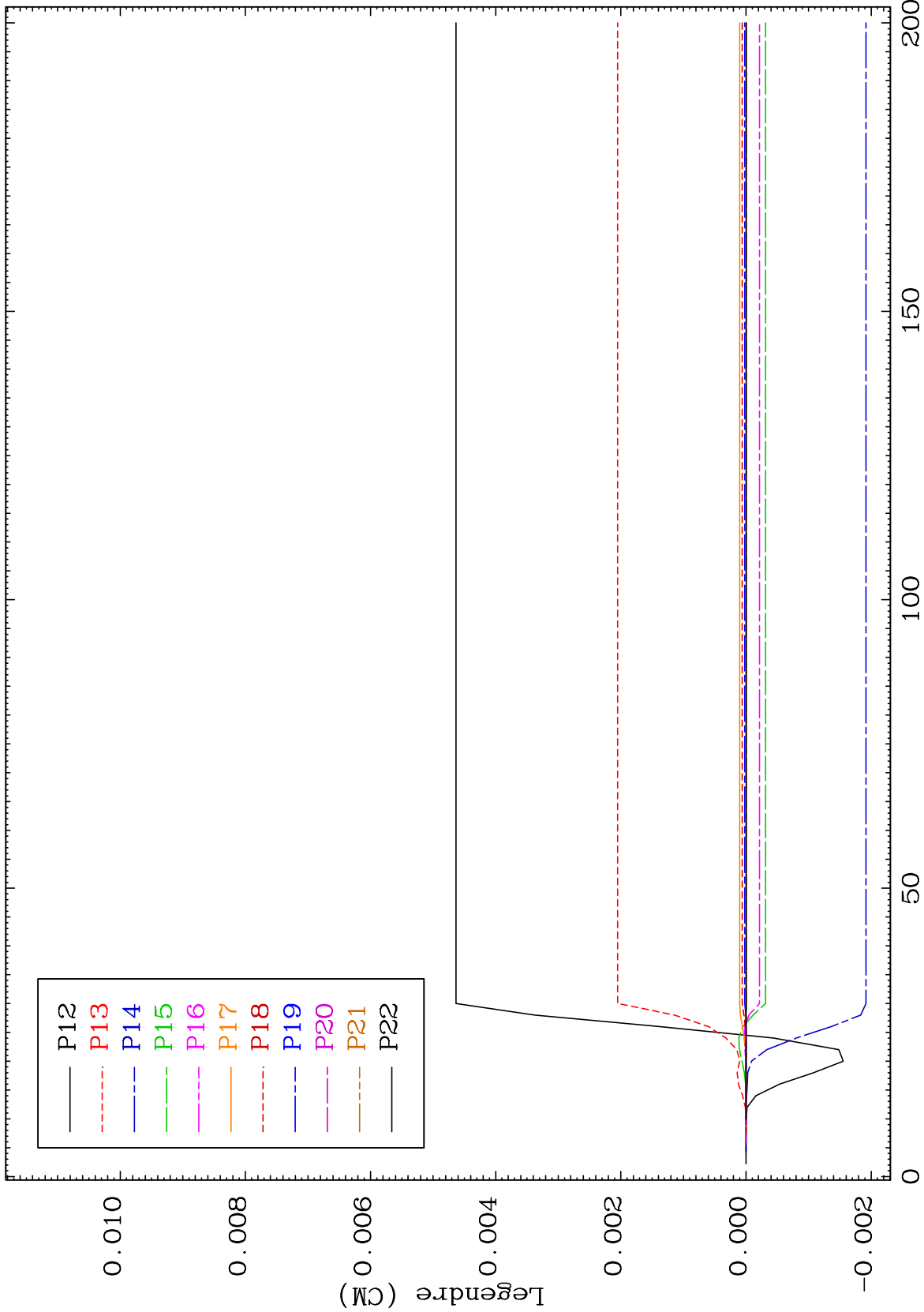




MAT 5595

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

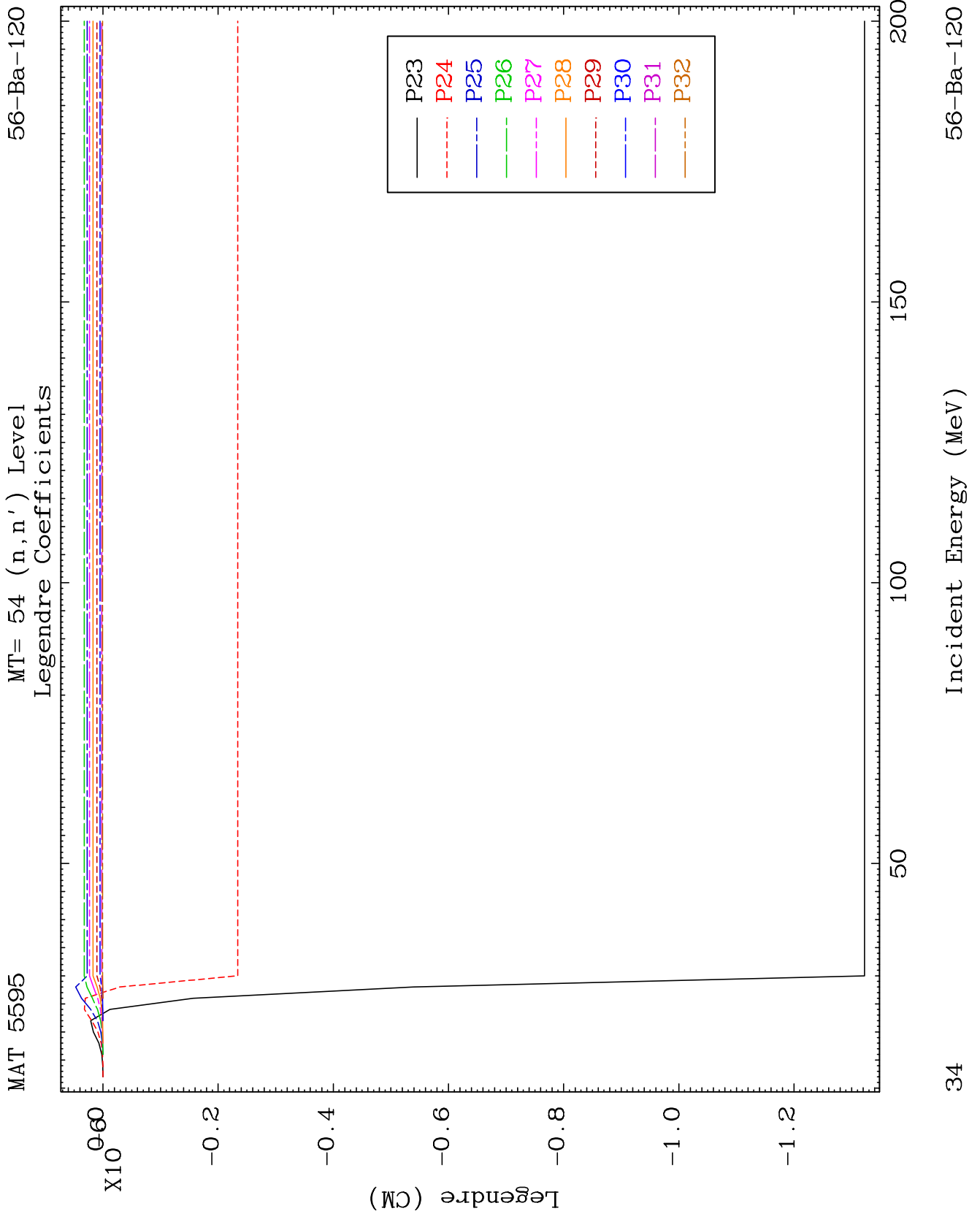
56-Ba-120

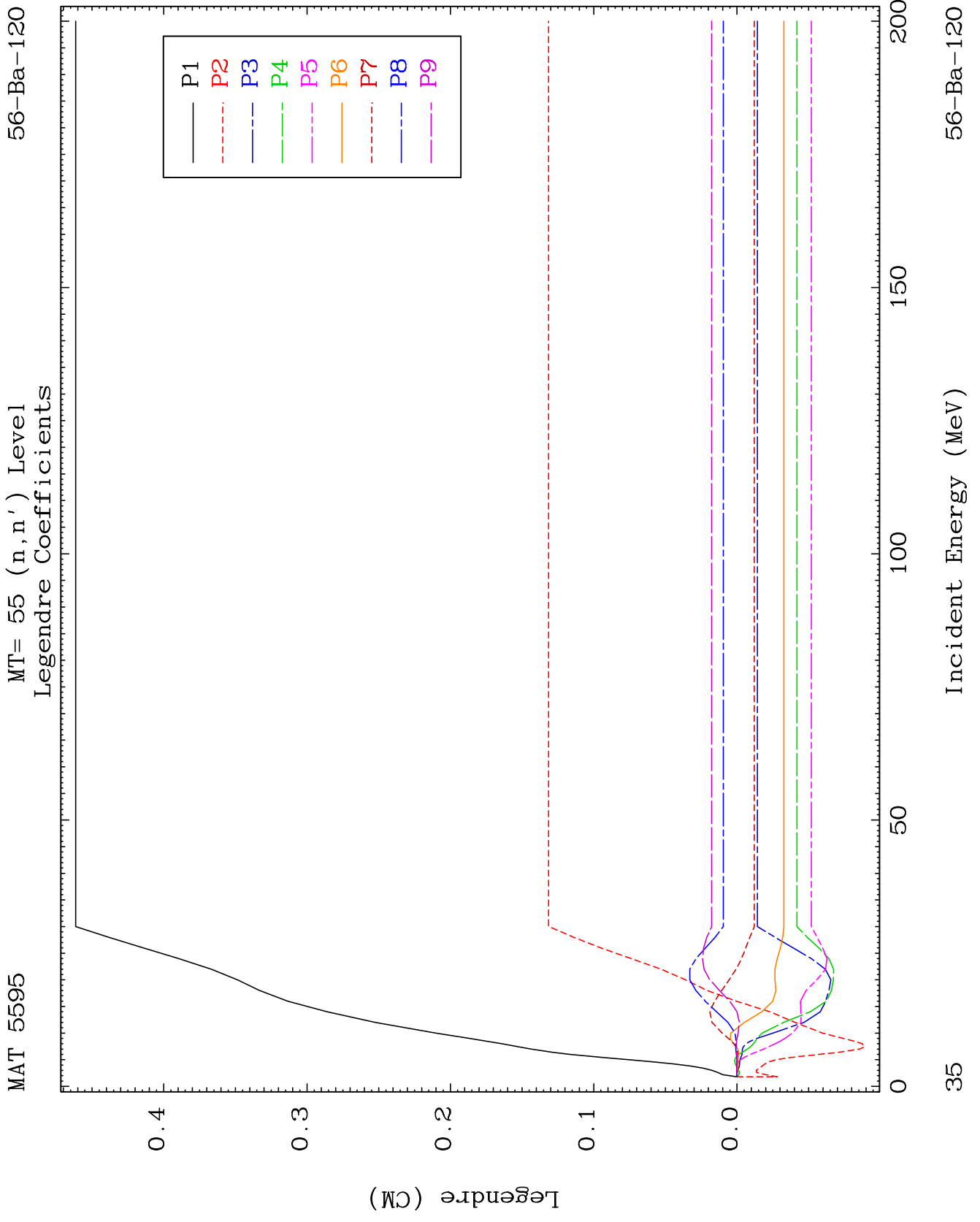


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Incident Energy (MeV)

56-Ba-120



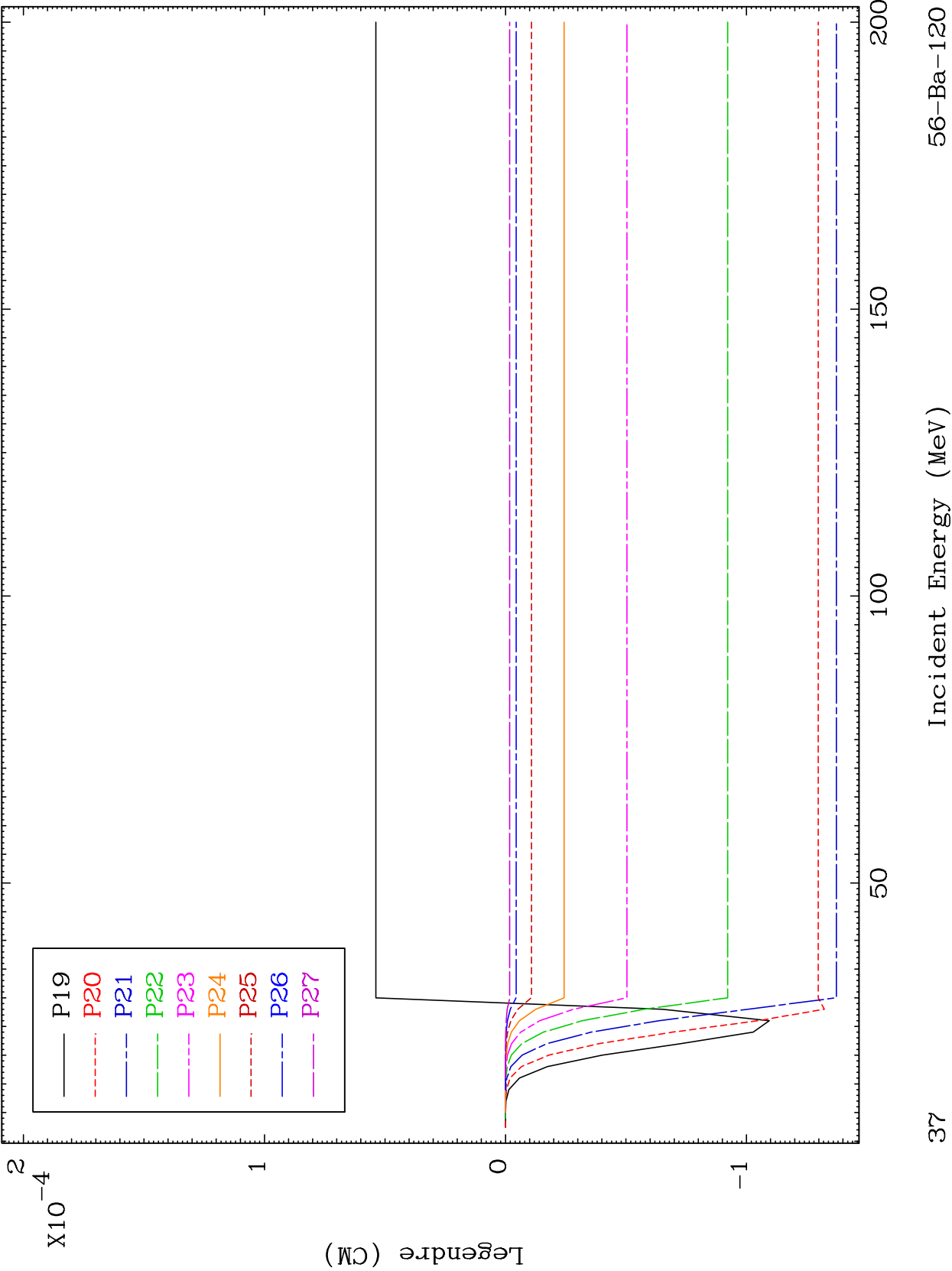


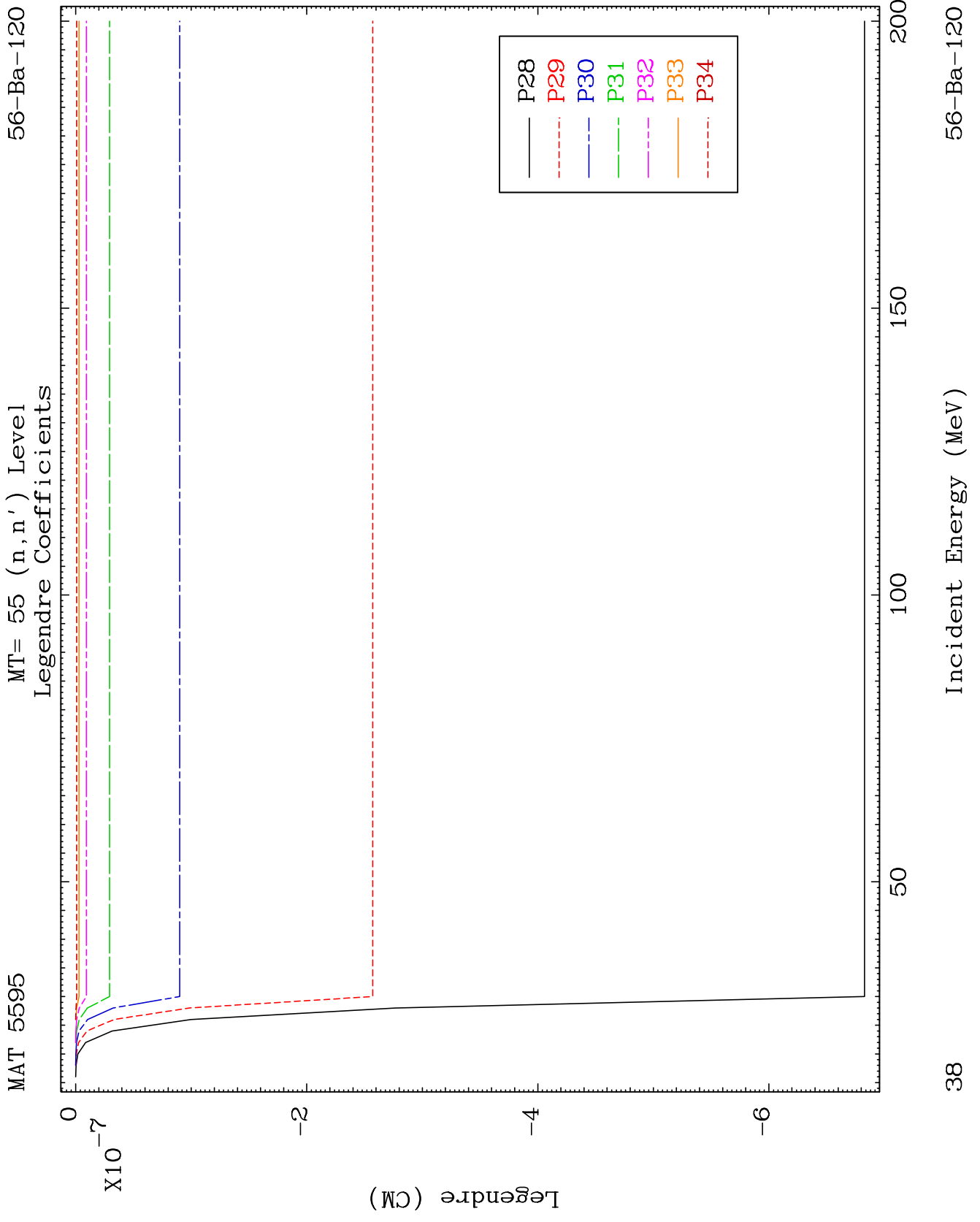


MAT 5595

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

56-Ba-120

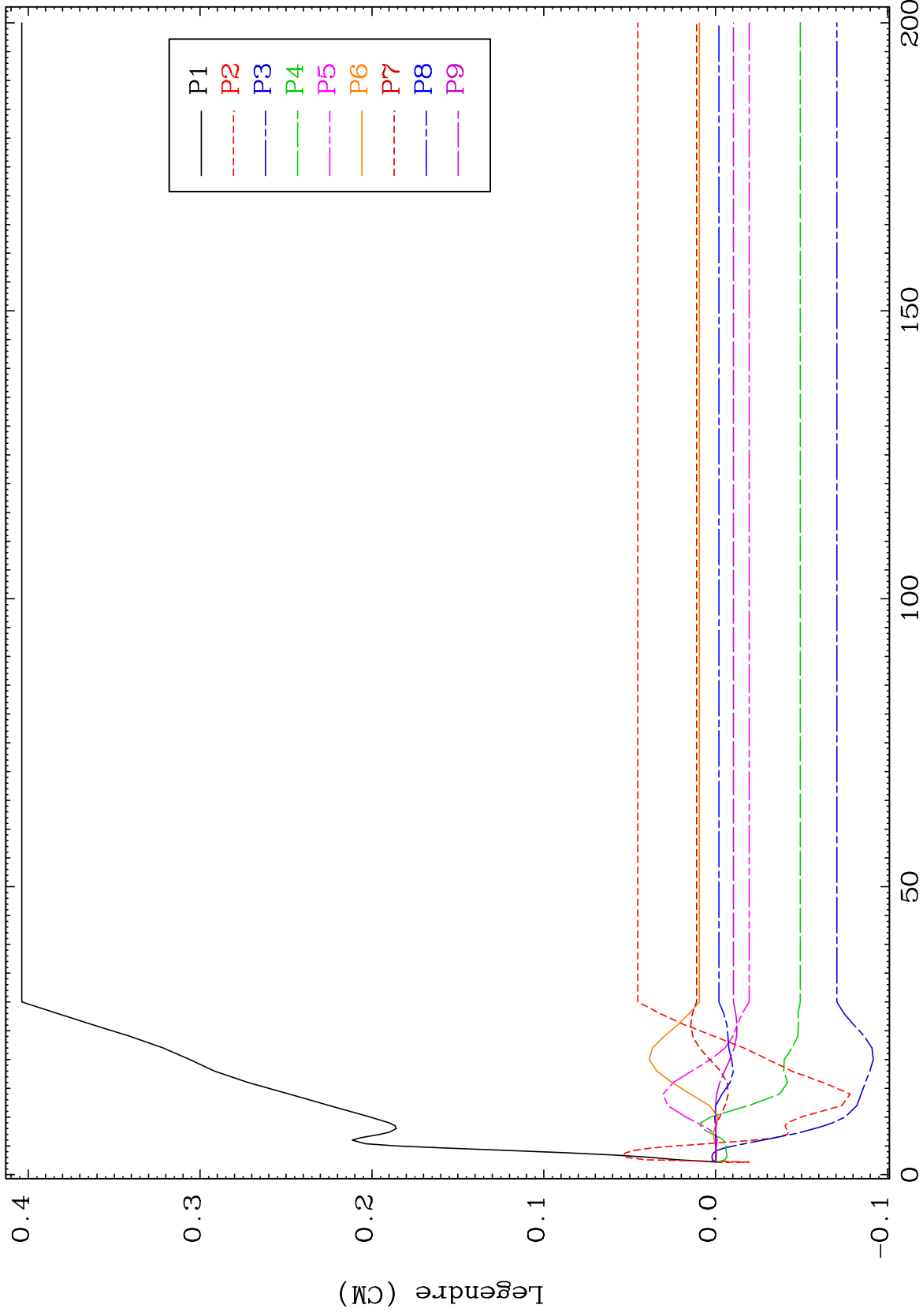




MAT 5595

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

56-Ba-120



39

56-Ba-120

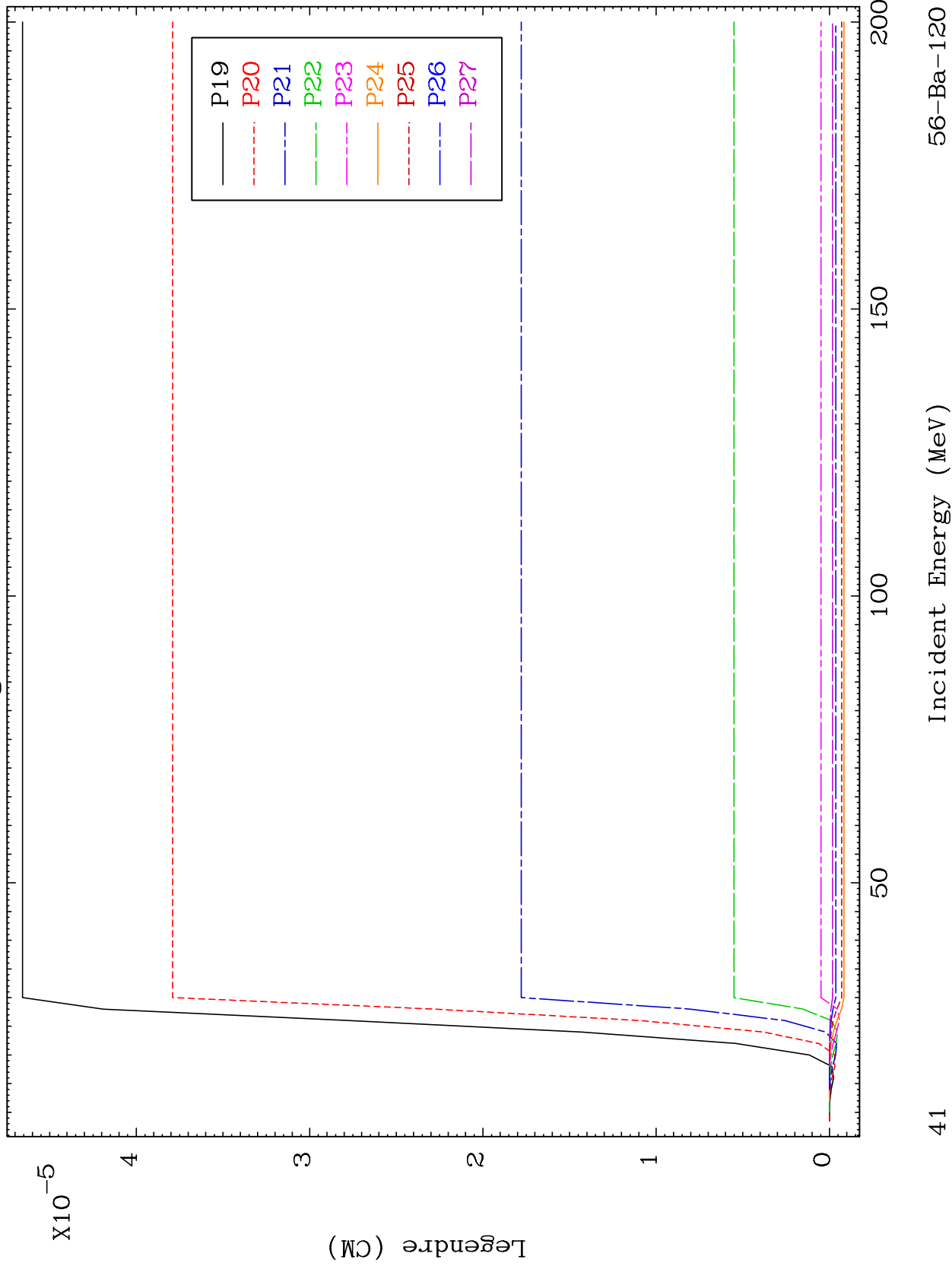




MAT 5595

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

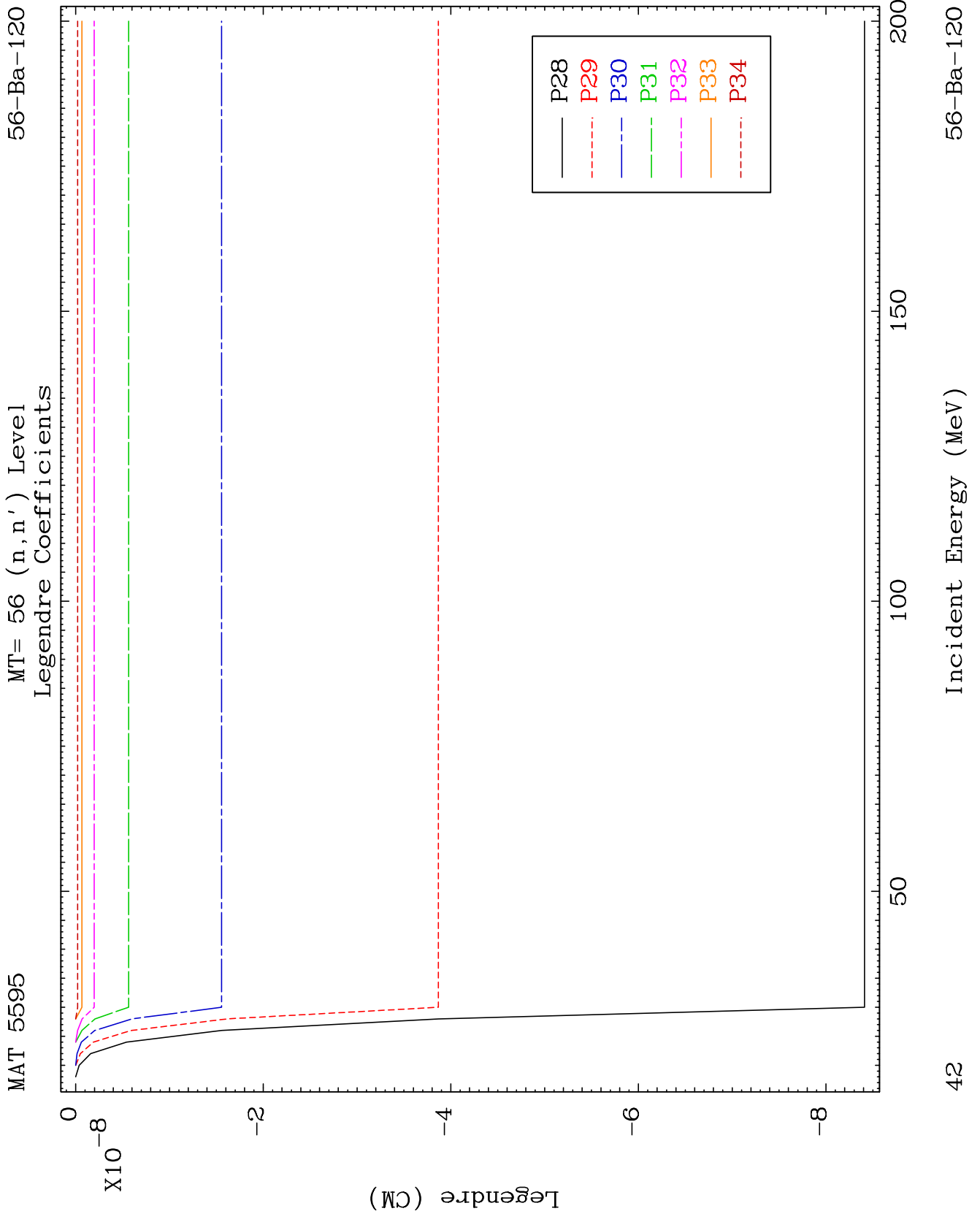
56-Ba-120



41

Incident Energy (MeV)

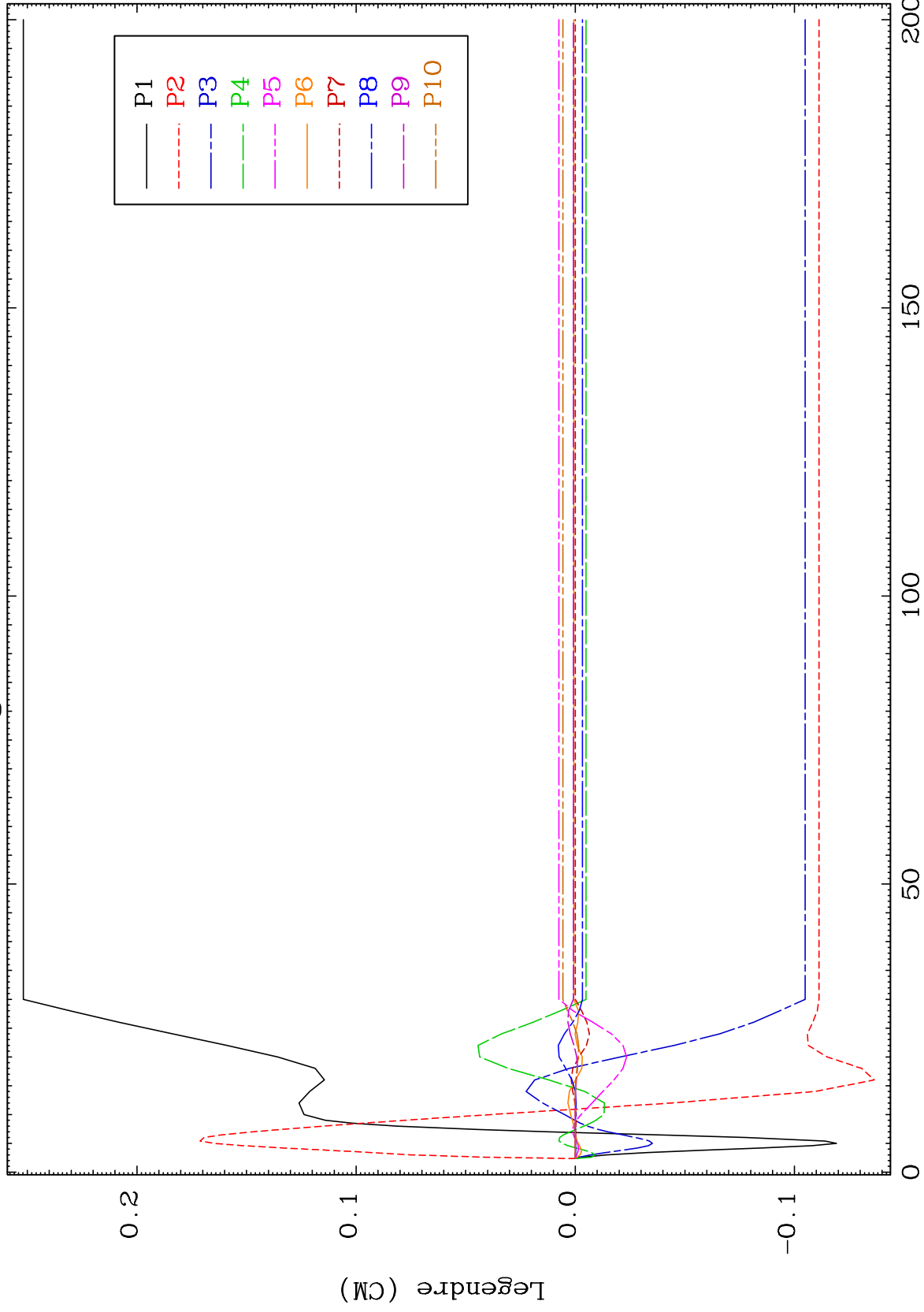
56-Ba-120



MAT 5595

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

56-Ba-120



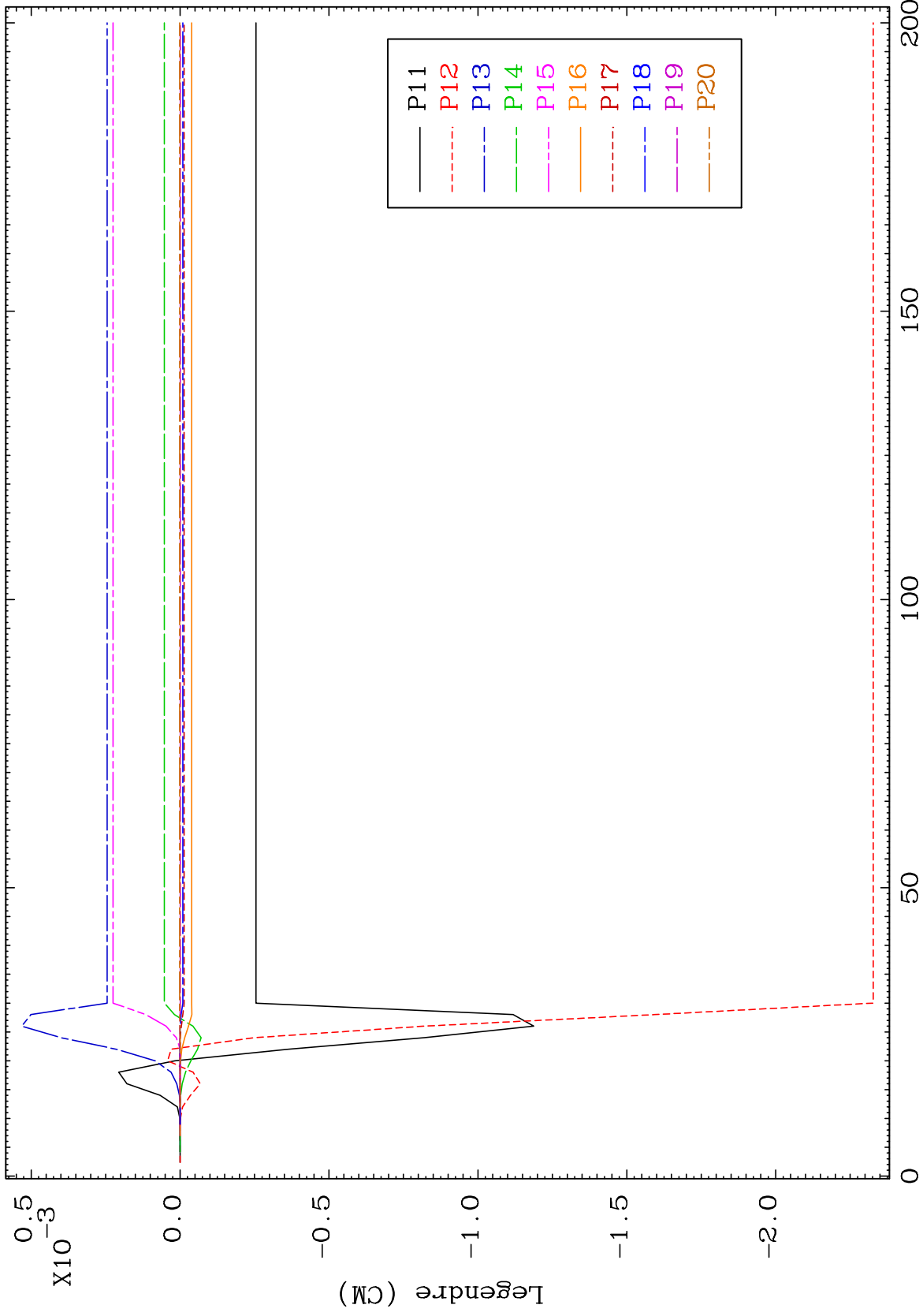
43

56-Ba-120

MAT 5595

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

56-Ba-120



44

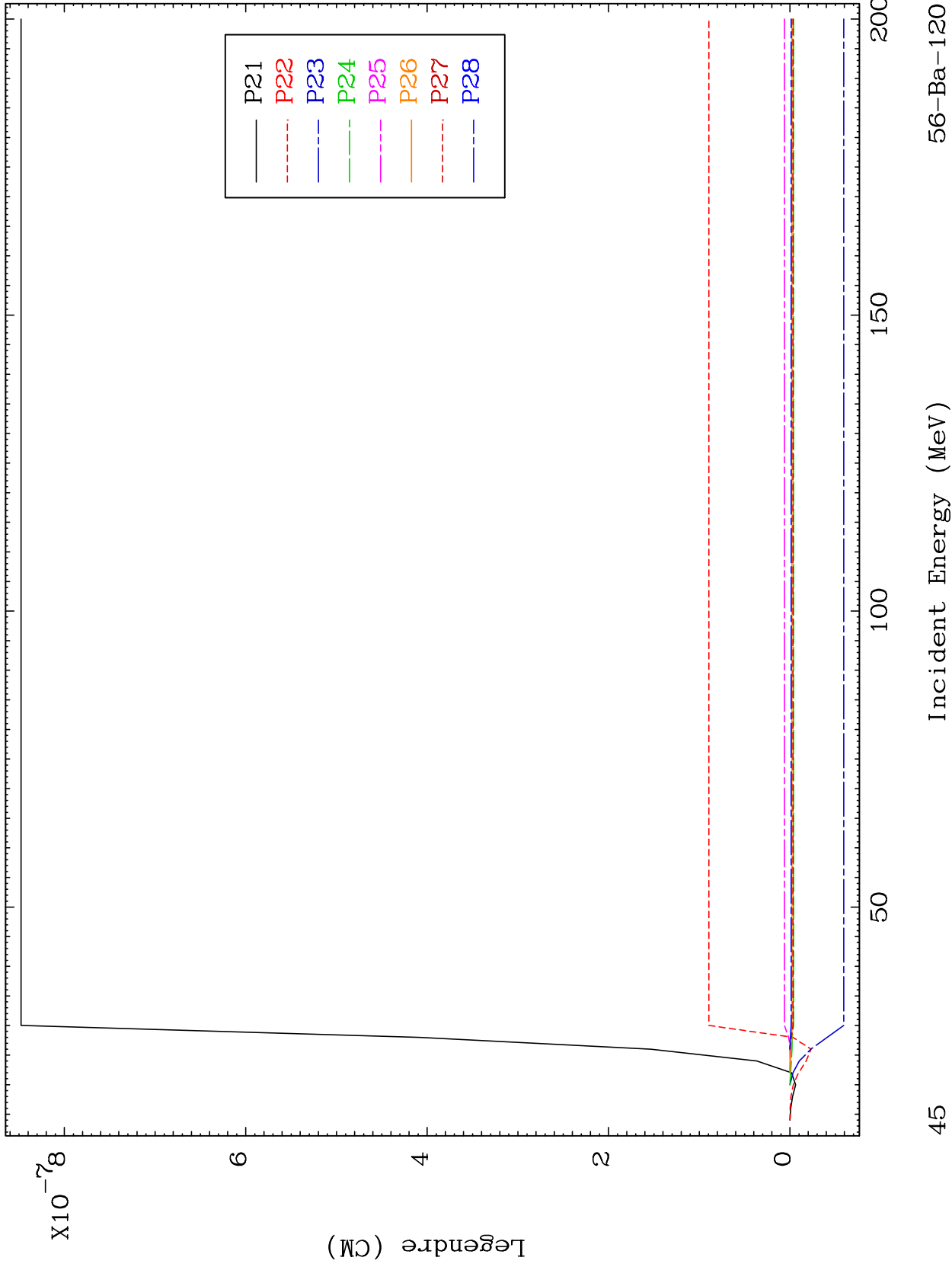
Incident Energy (MeV)

56-Ba-120

MAT 5595

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

56-Ba-120



45

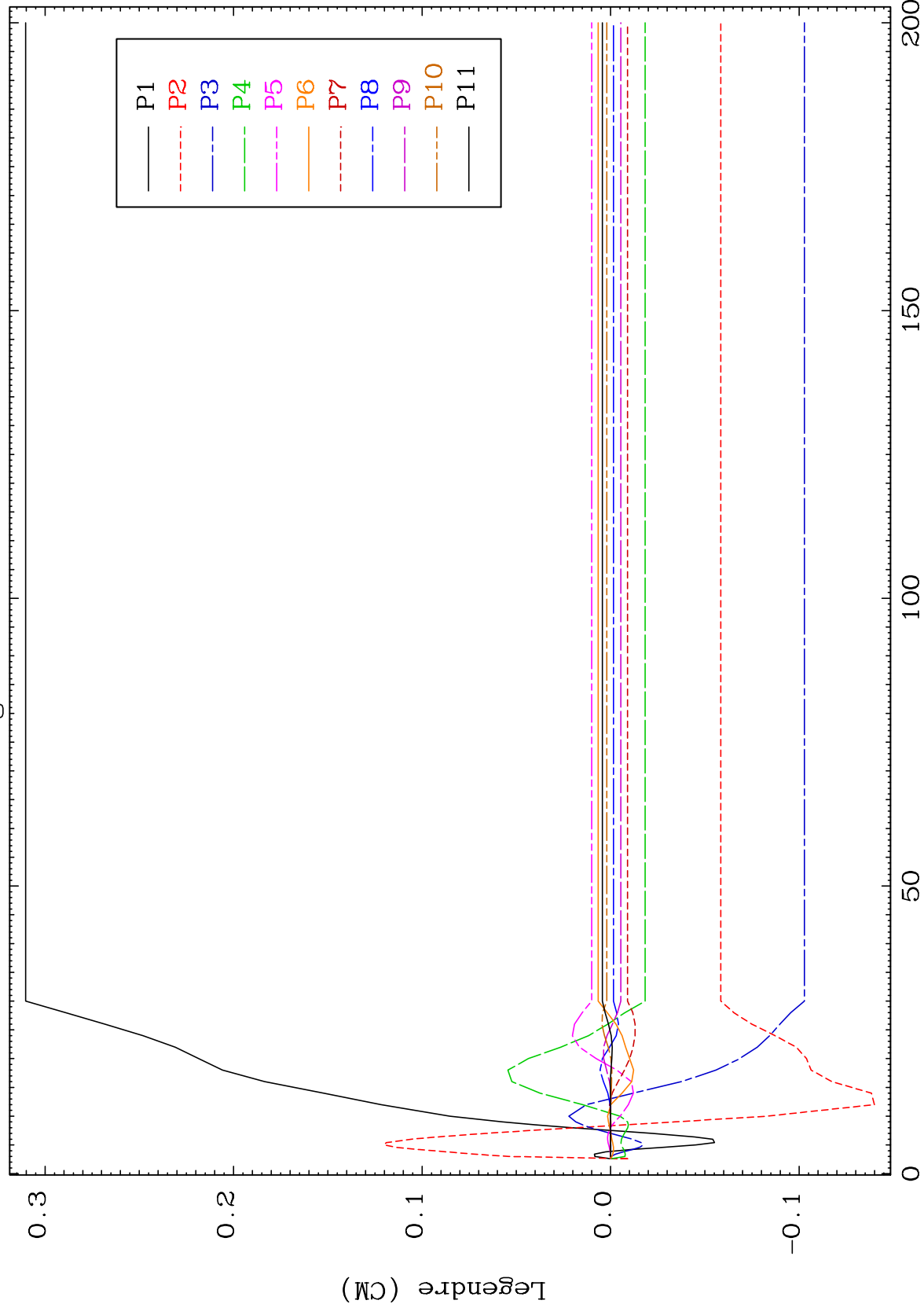
Incident Energy (MeV)

56-Ba-120

MAT 5595

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

56-Ba-120



46

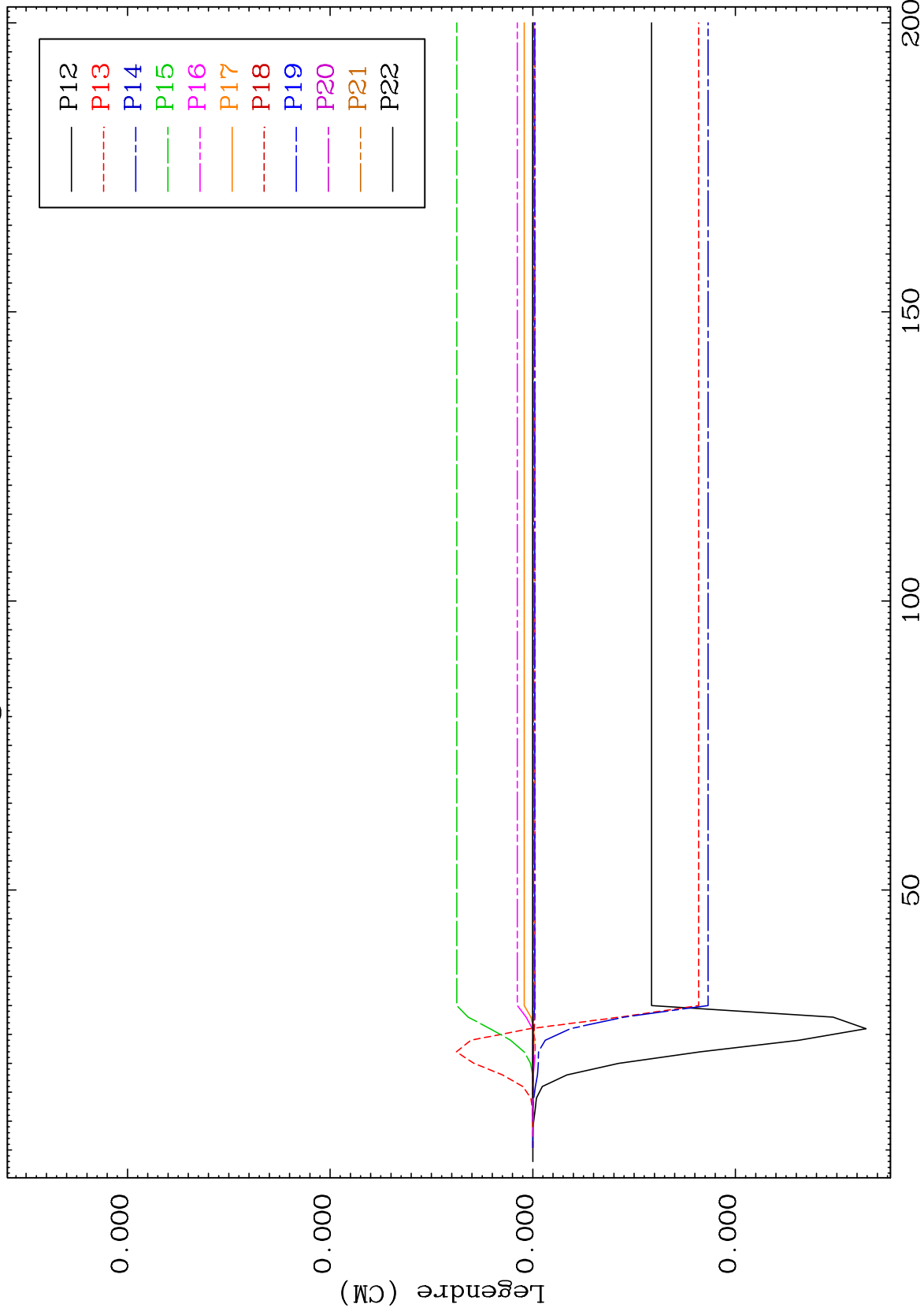
Incident Energy (MeV)

56-Ba-120

MAT 5595

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

56-Ba-120



47

Incident Energy (MeV)

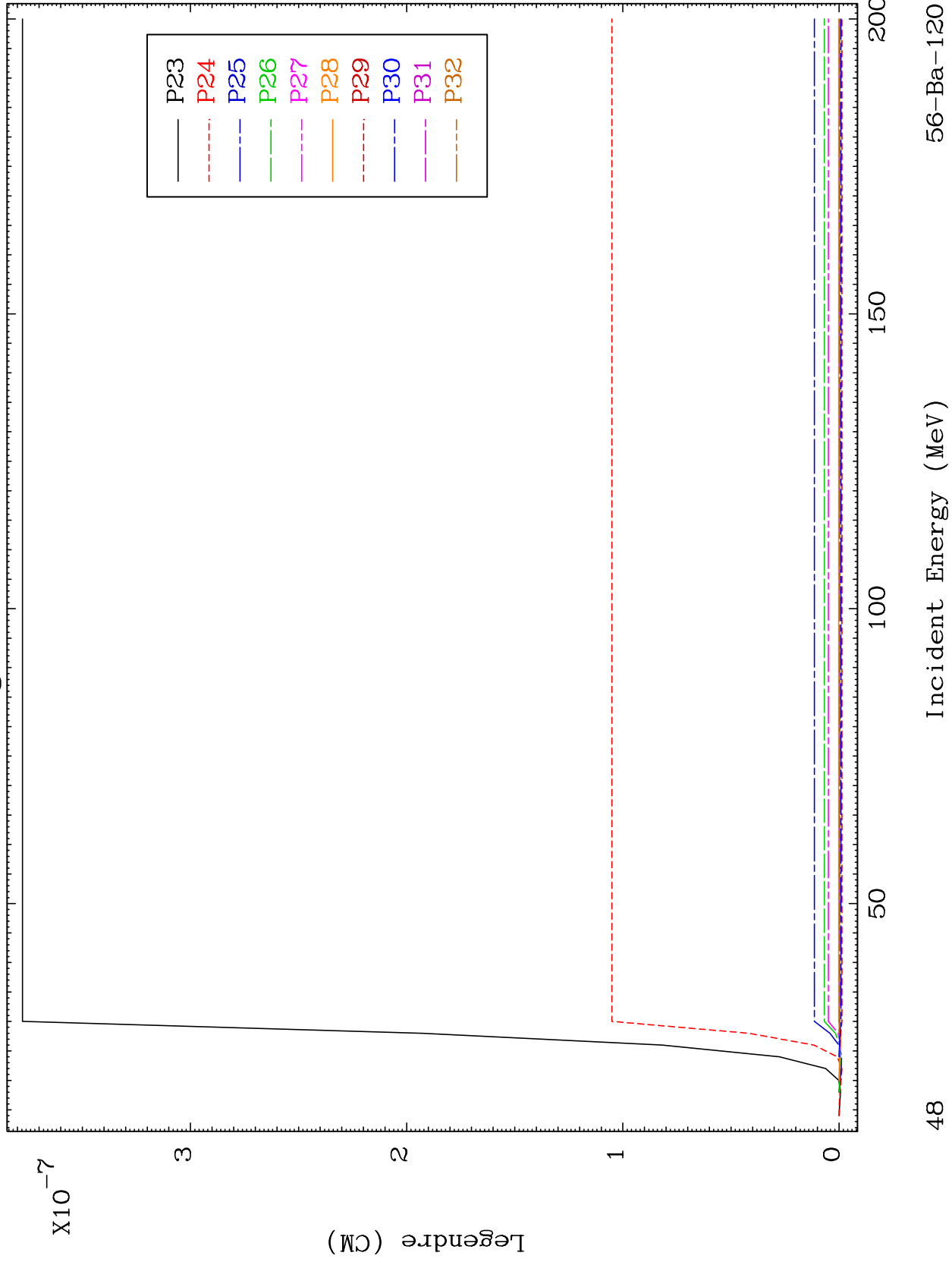
56-Ba-120



MAT 5595

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

56-Ba-120



48

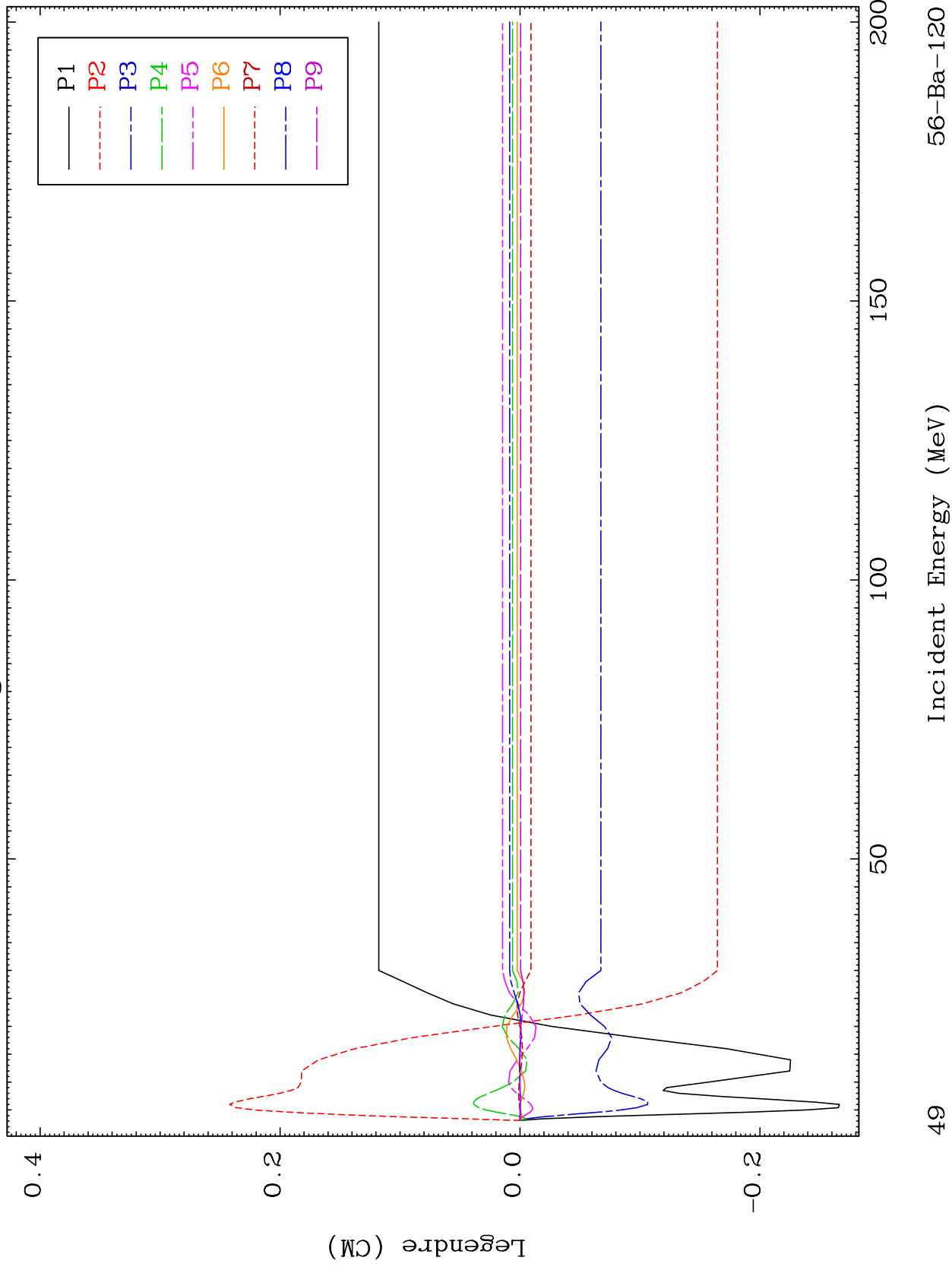
Incident Energy (MeV)

56-Ba-120

MAT 5595

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

56-Ba-120



49

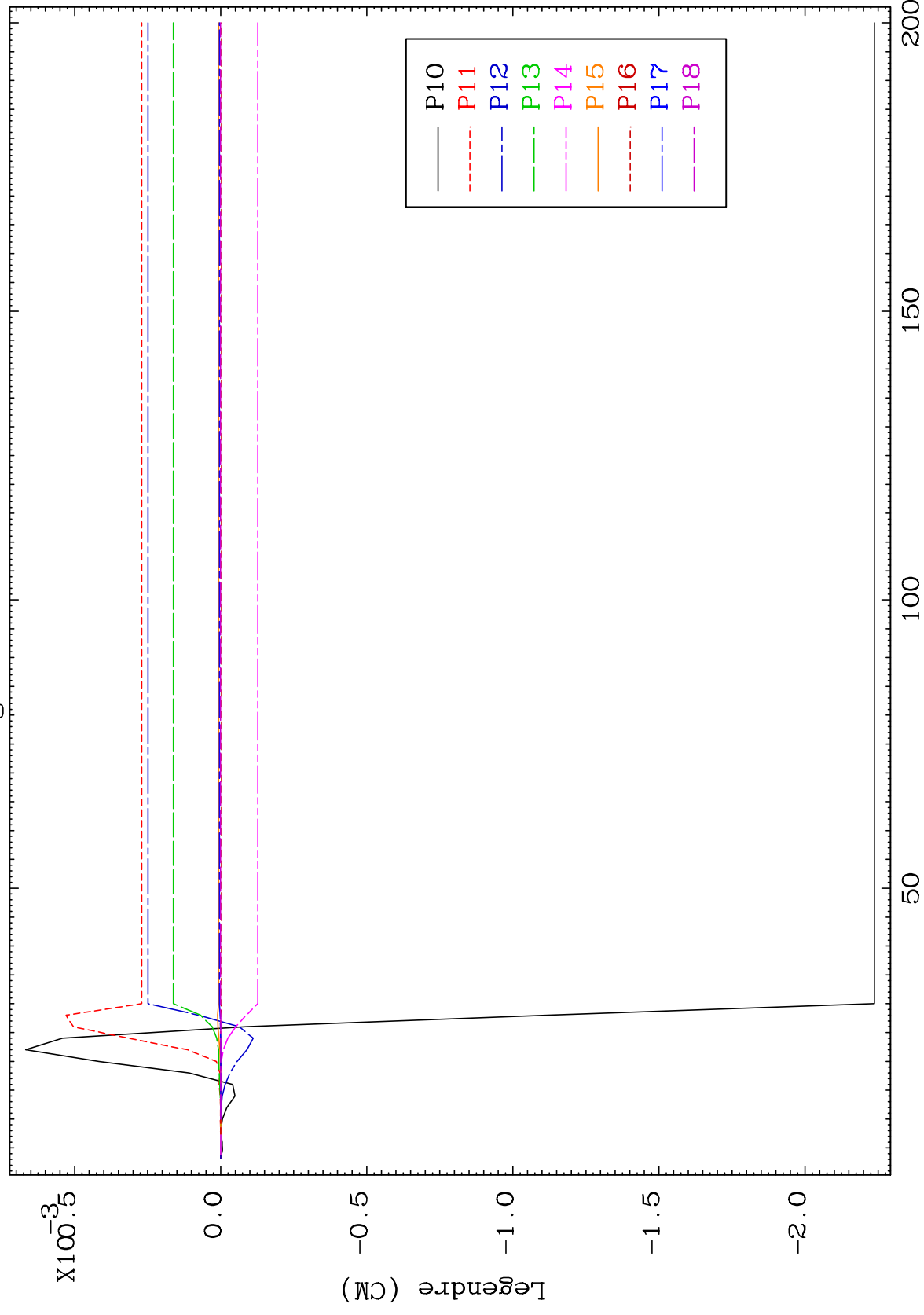
Incident Energy (MeV)

56-Ba-120

MAT 5595

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

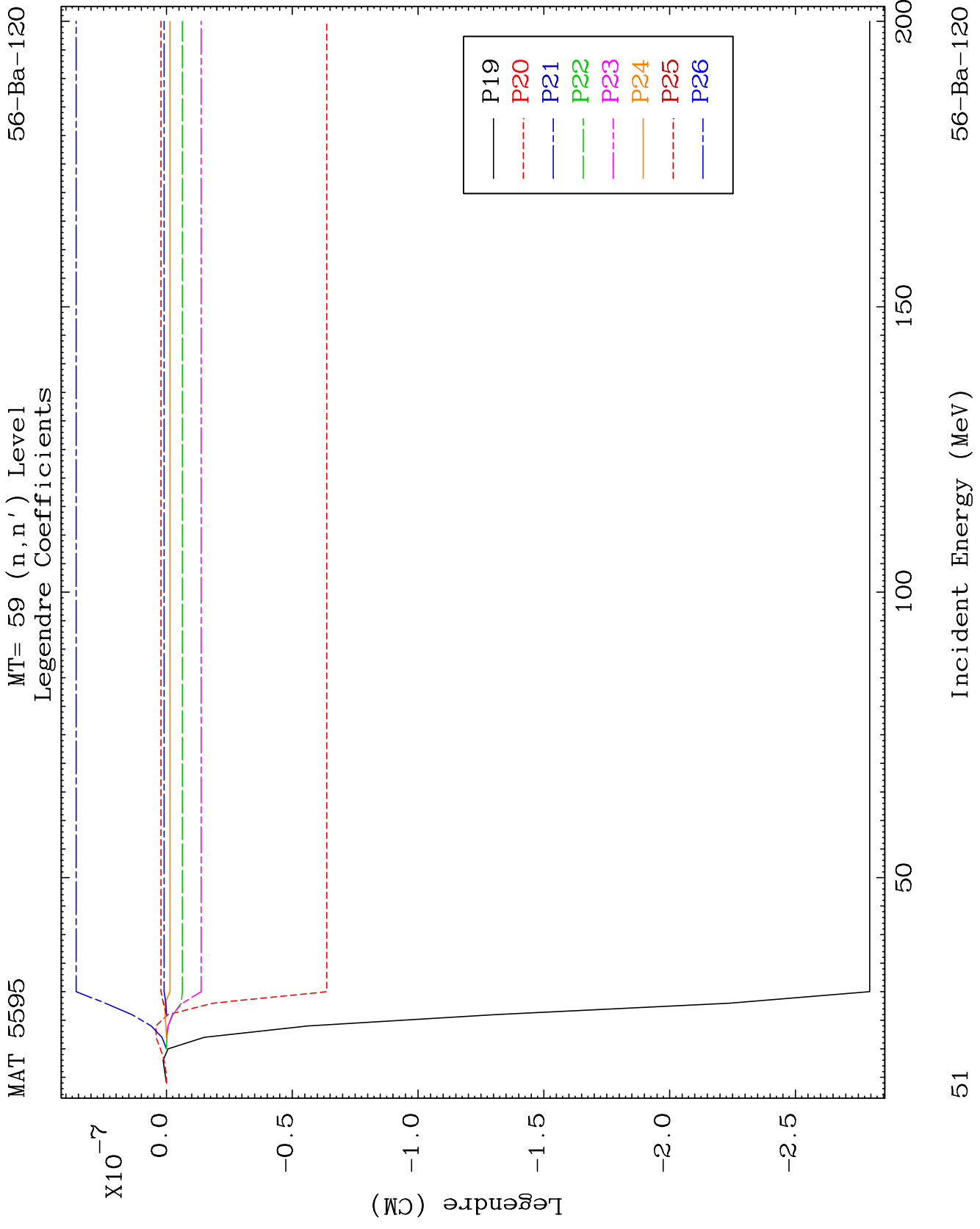
56-Ba-120



50

Incident Energy (MeV)

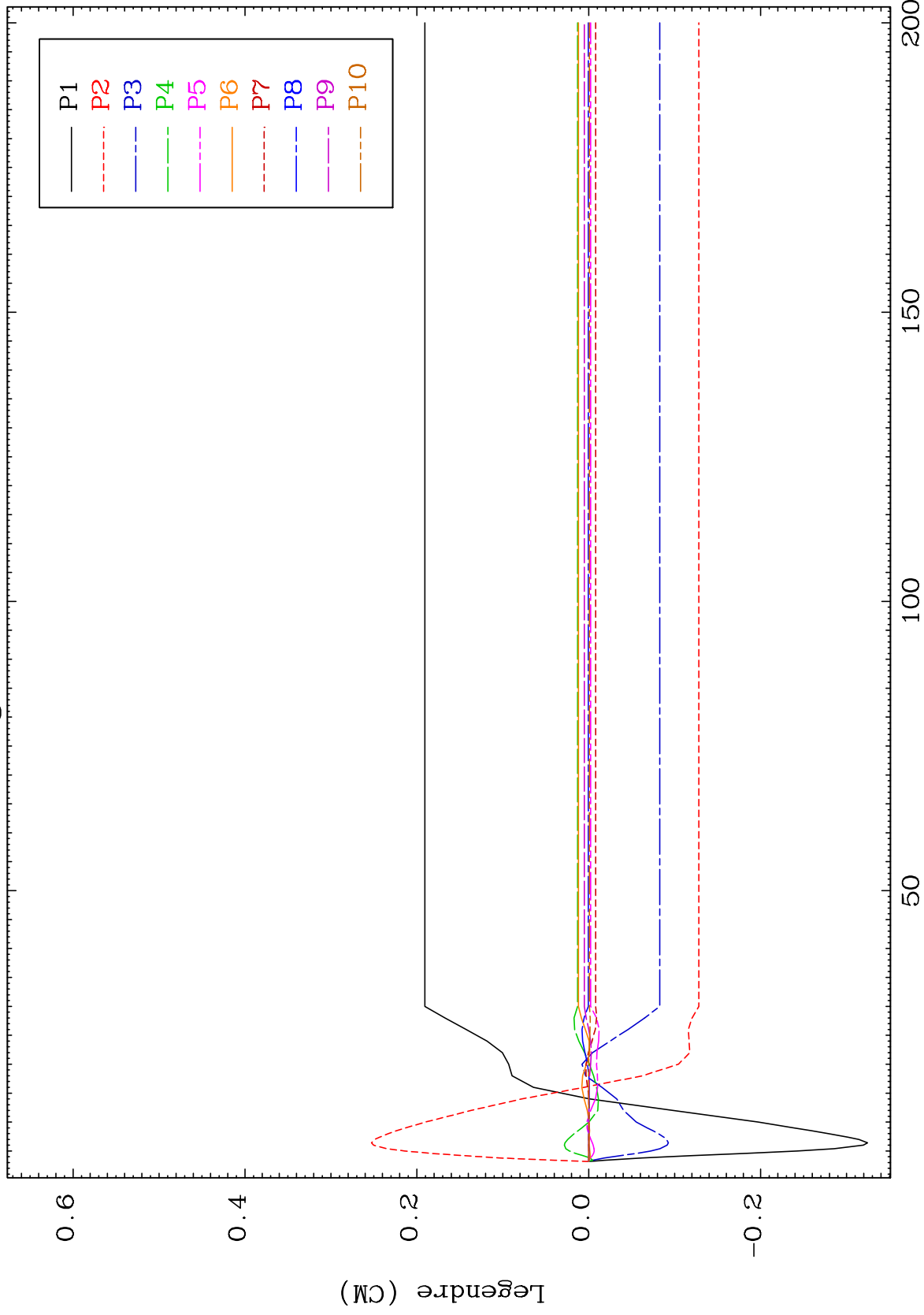
56-Ba-120



MAT 5595

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

56-Ba-120



52

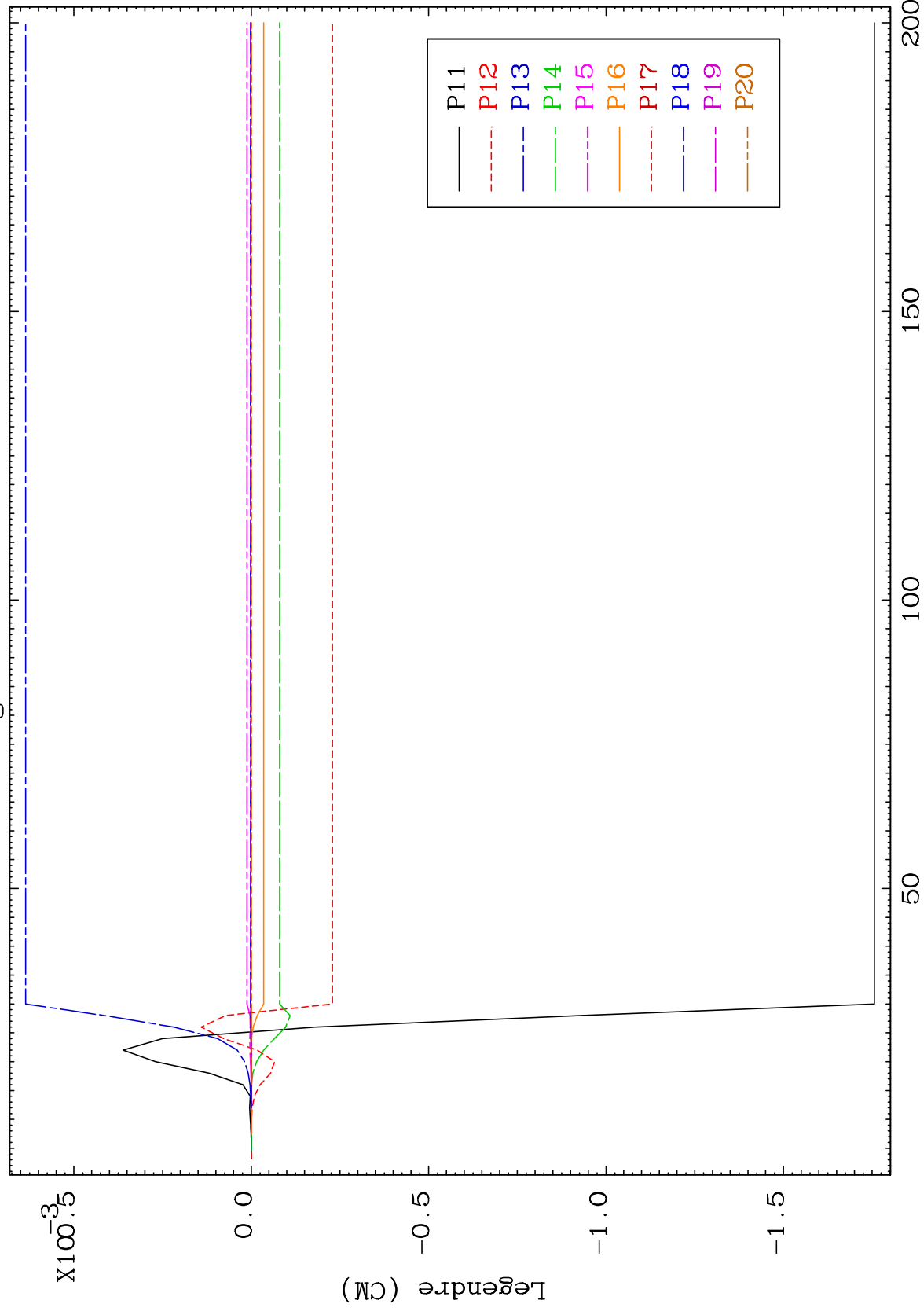
Incident Energy (MeV)

56-Ba-120

MAT 5595

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

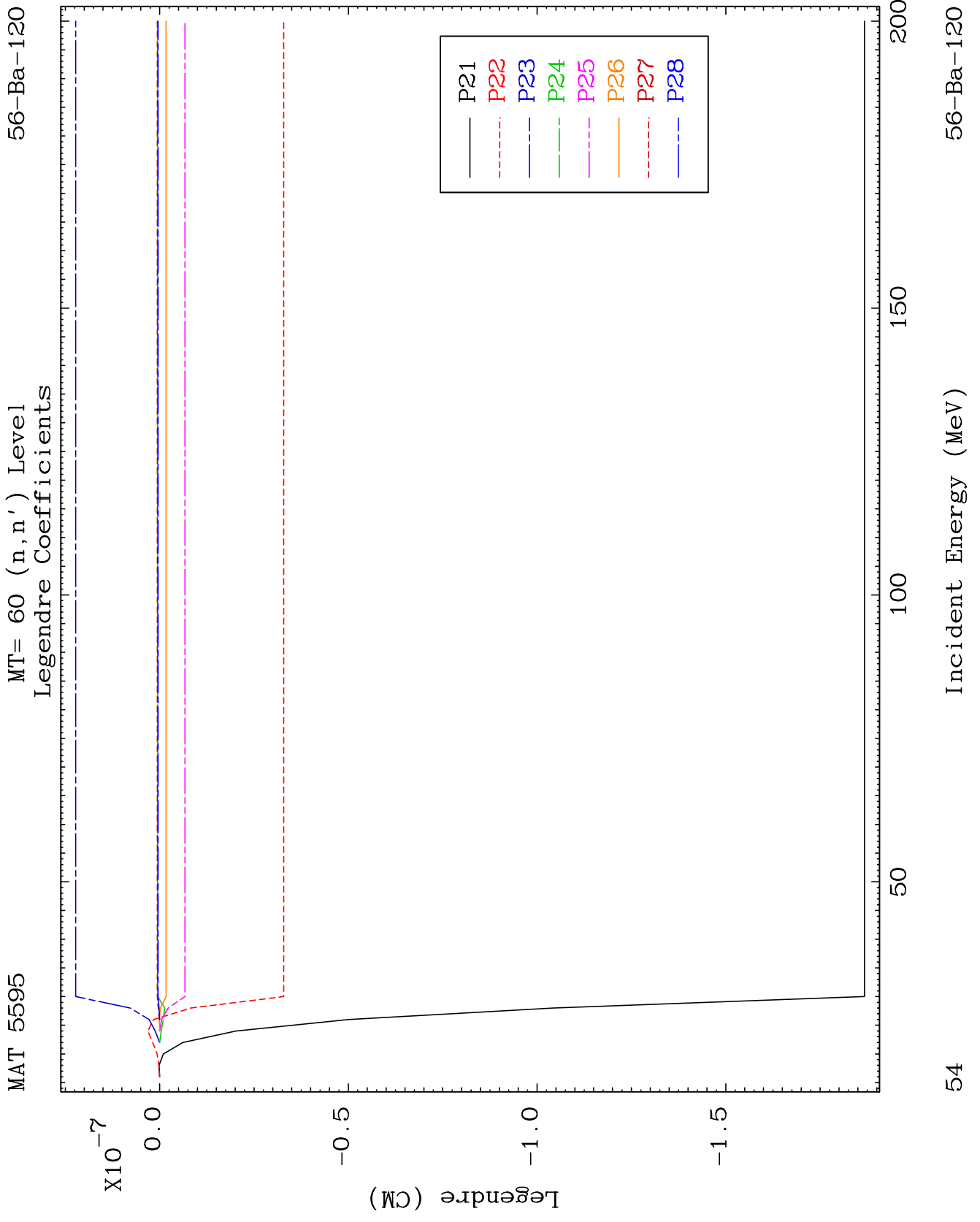
56-Ba-120



53

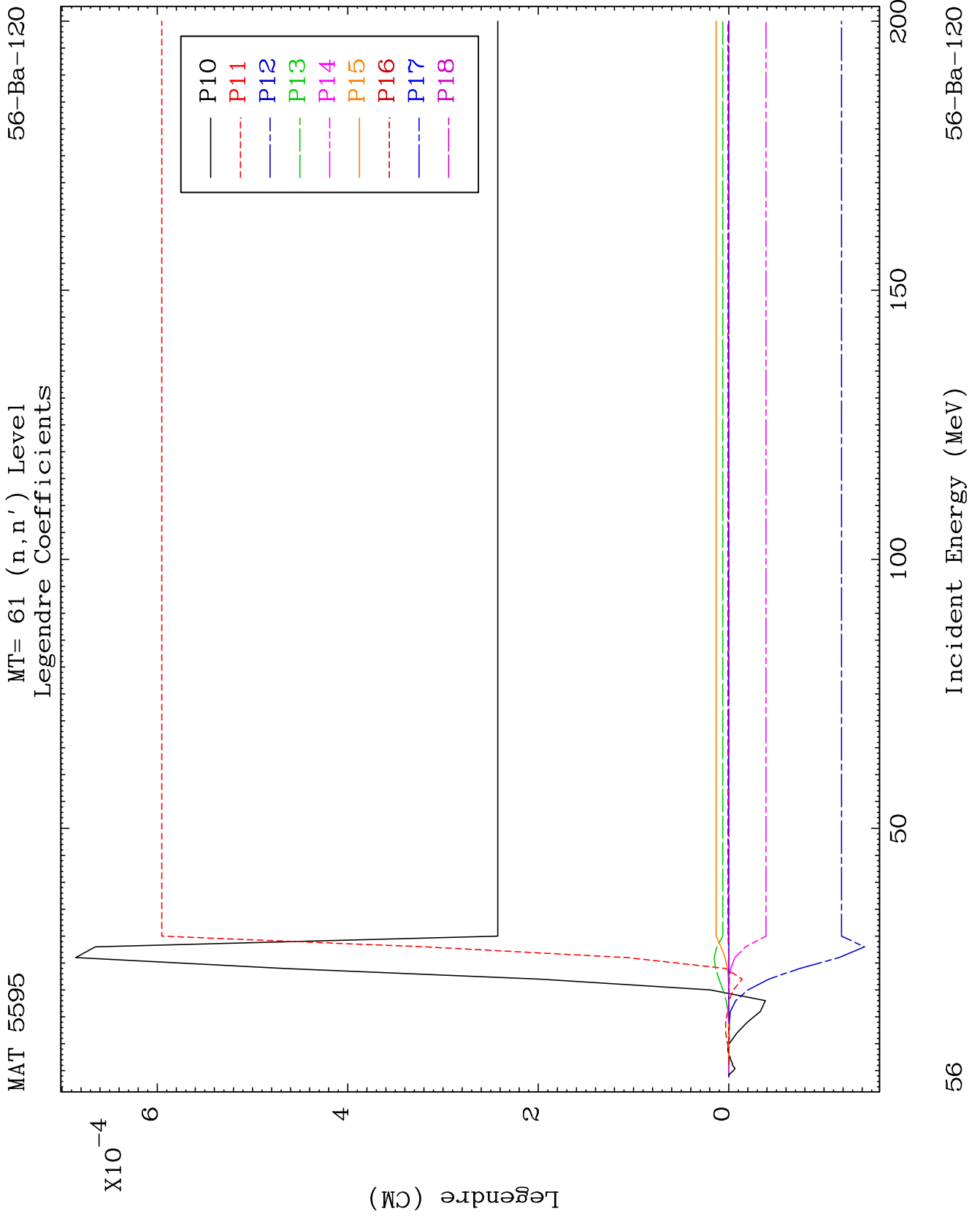
Incident Energy (MeV)

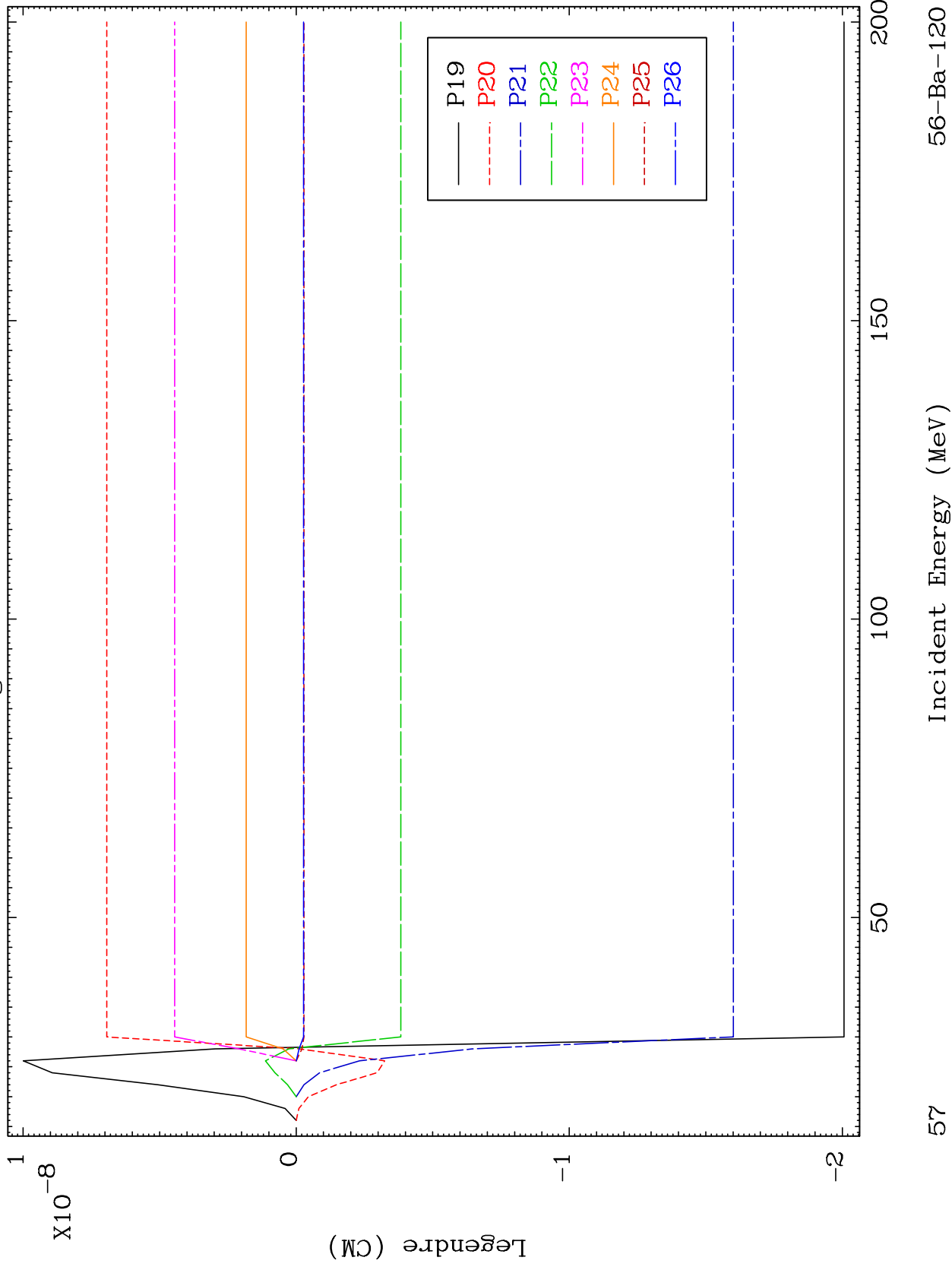
56-Ba-120







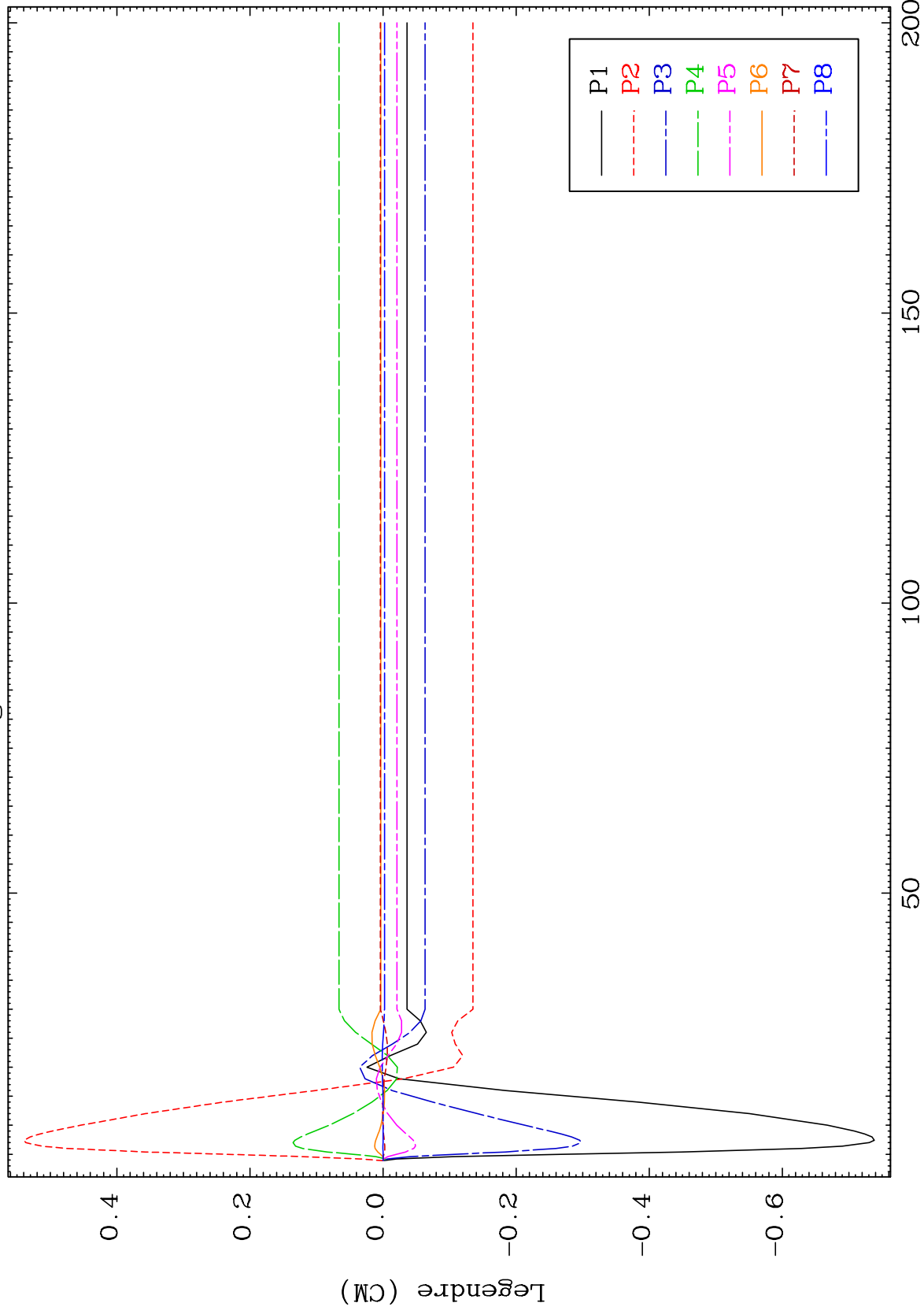




MAT 5595

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

56-Ba-120



58

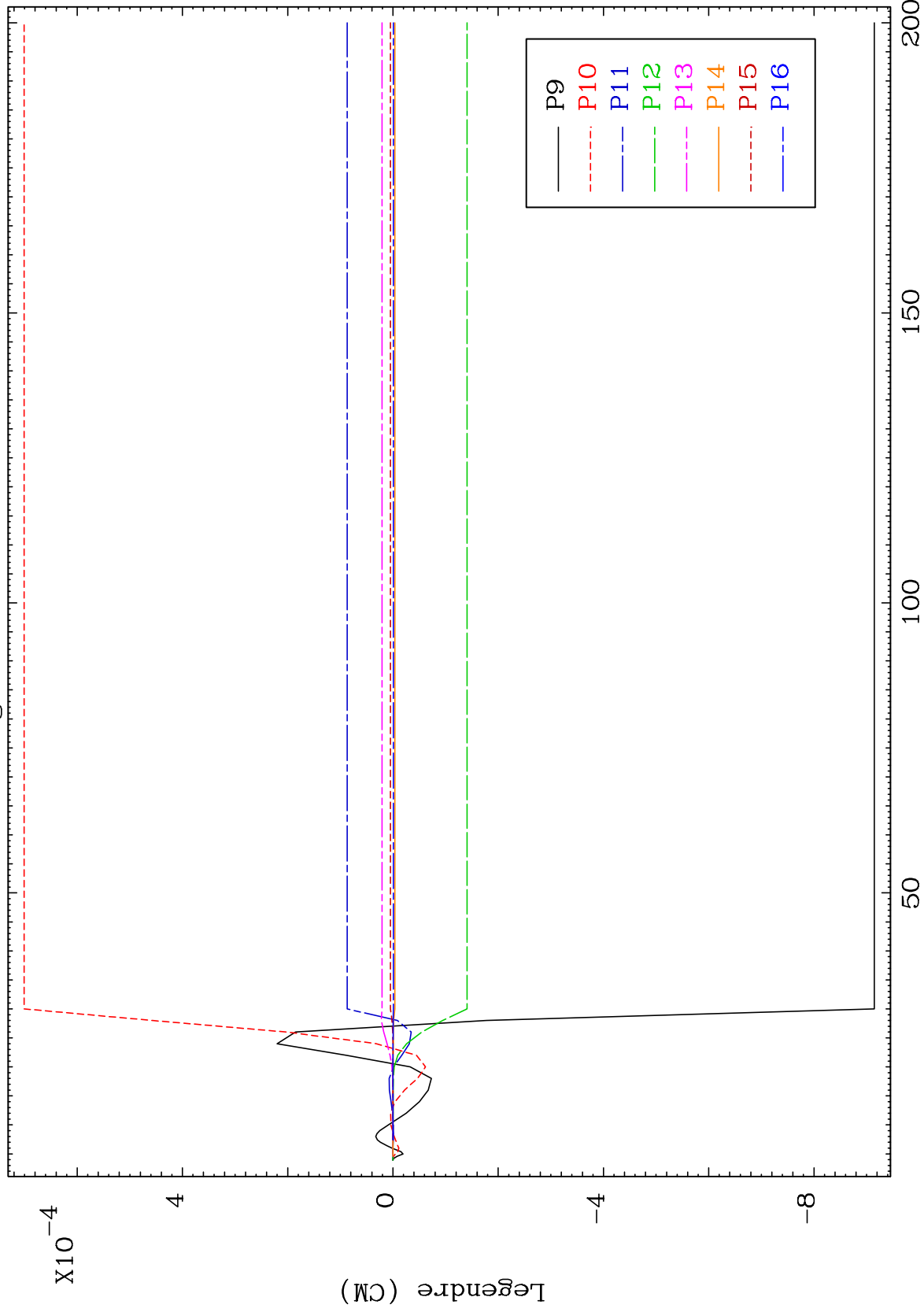
Incident Energy (MeV)

56-Ba-120

MAT 5595

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

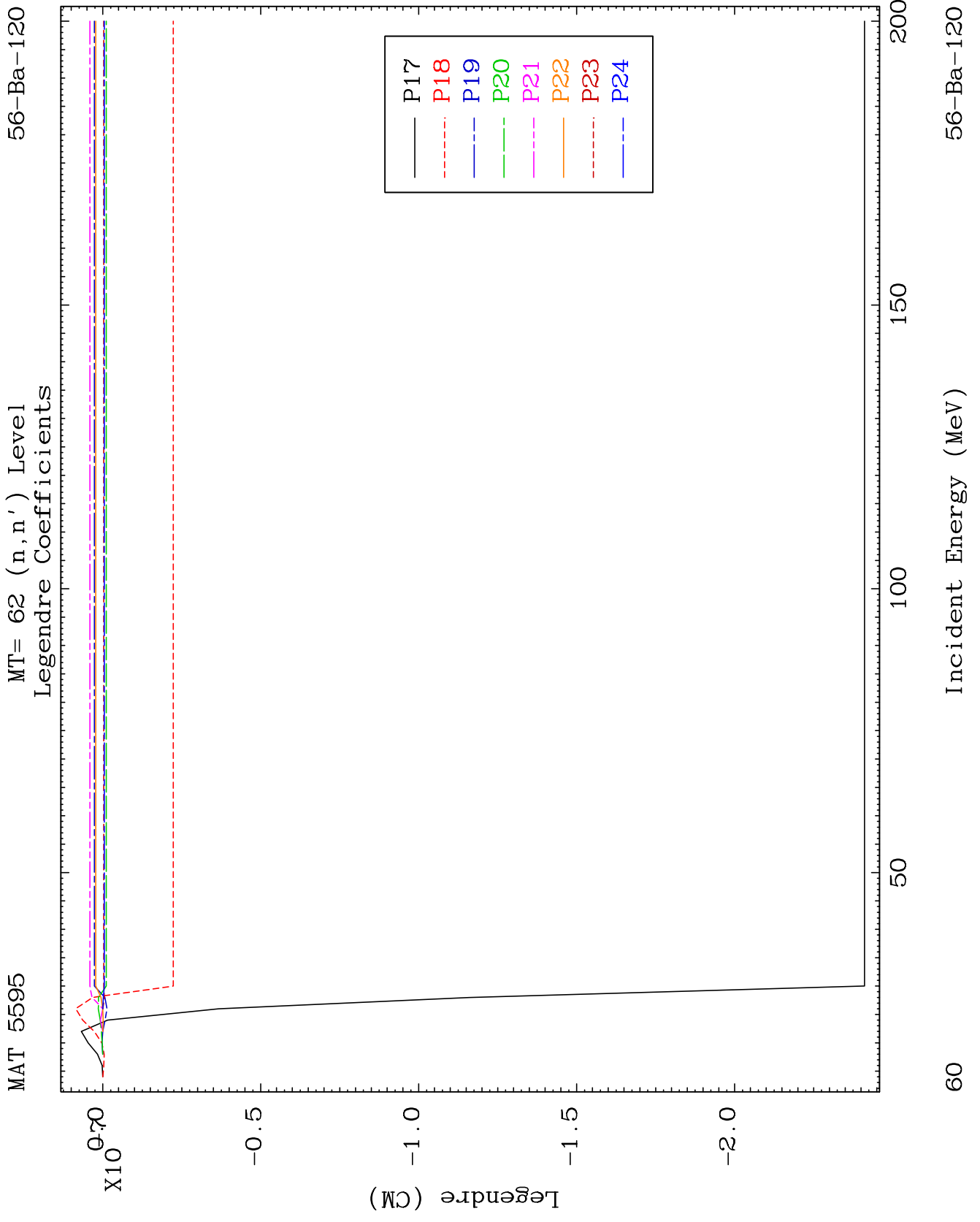
56-Ba-120



59

Incident Energy (MeV)

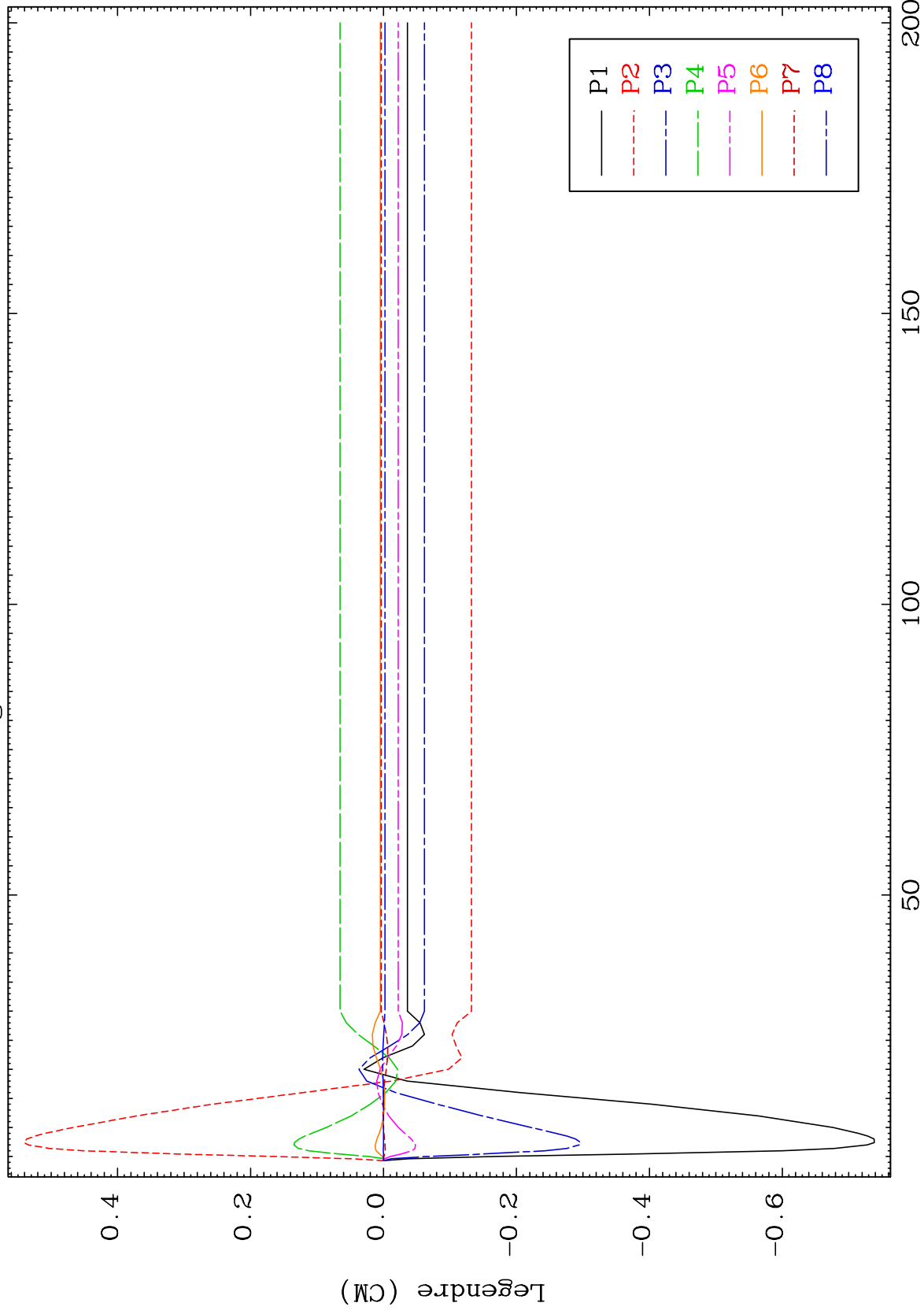
56-Ba-120



MAT 5595

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

56-Ba-120



61

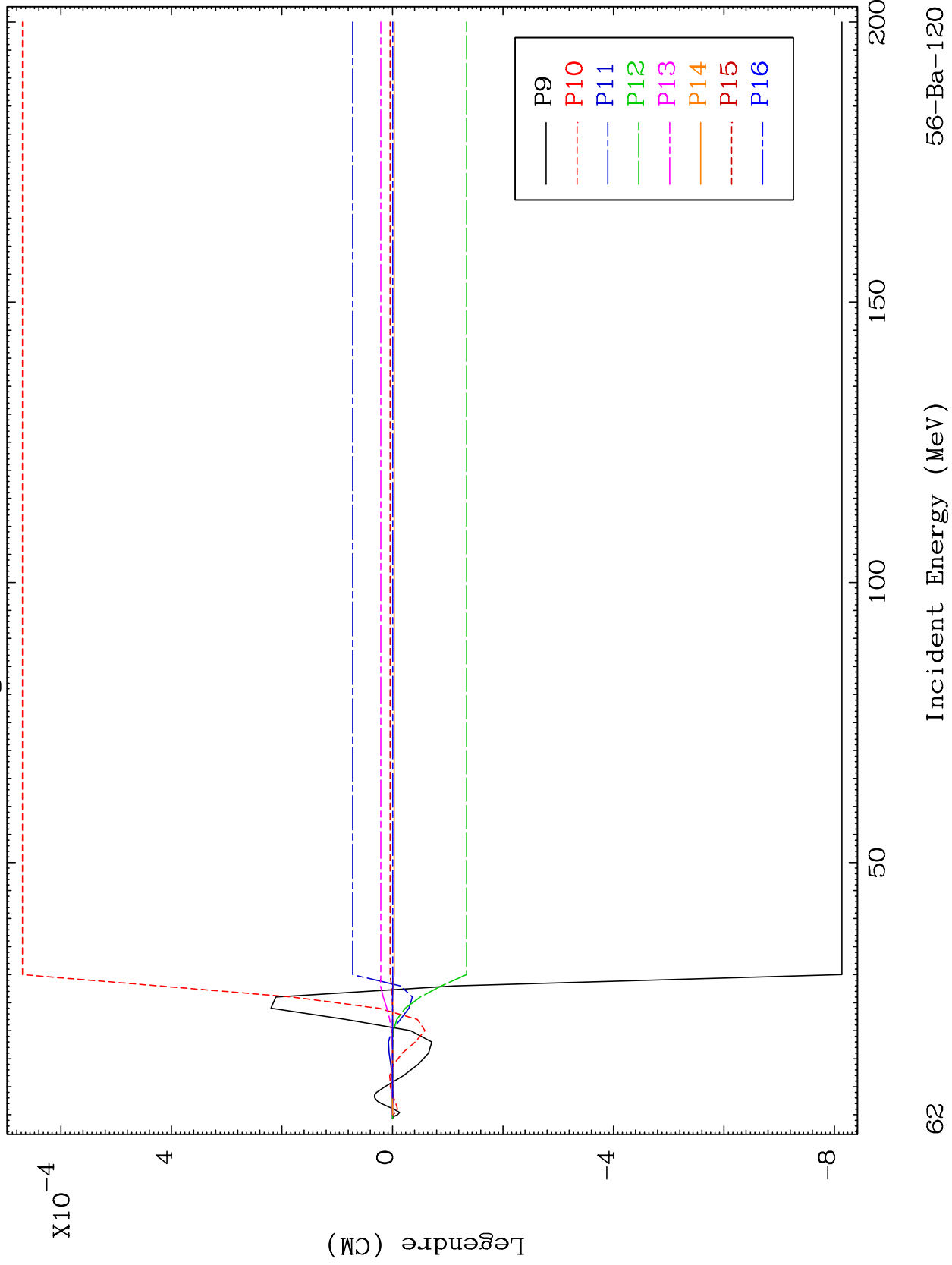
Incident Energy (MeV)

56-Ba-120

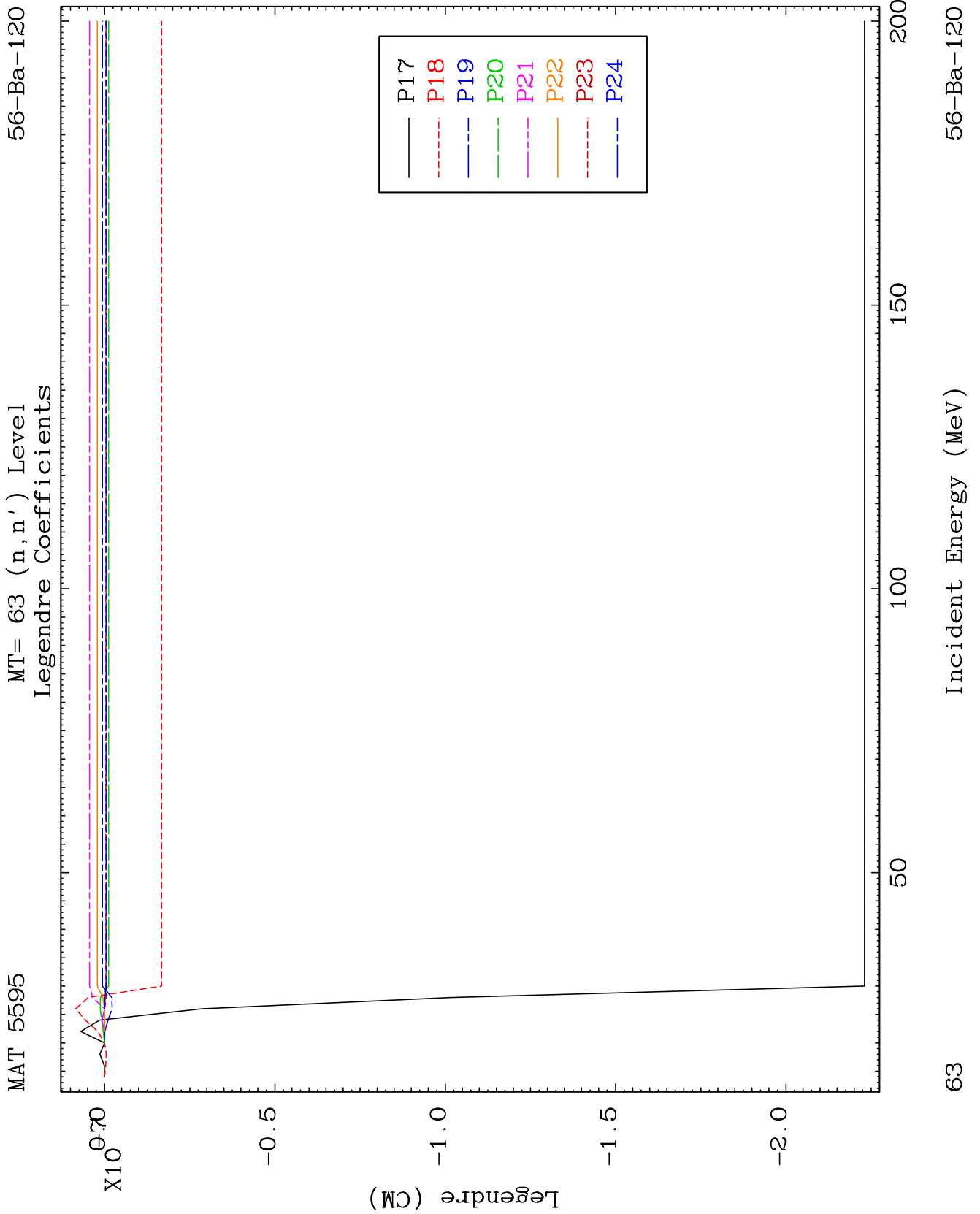
MAT 5595

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

56-Ba-120



62

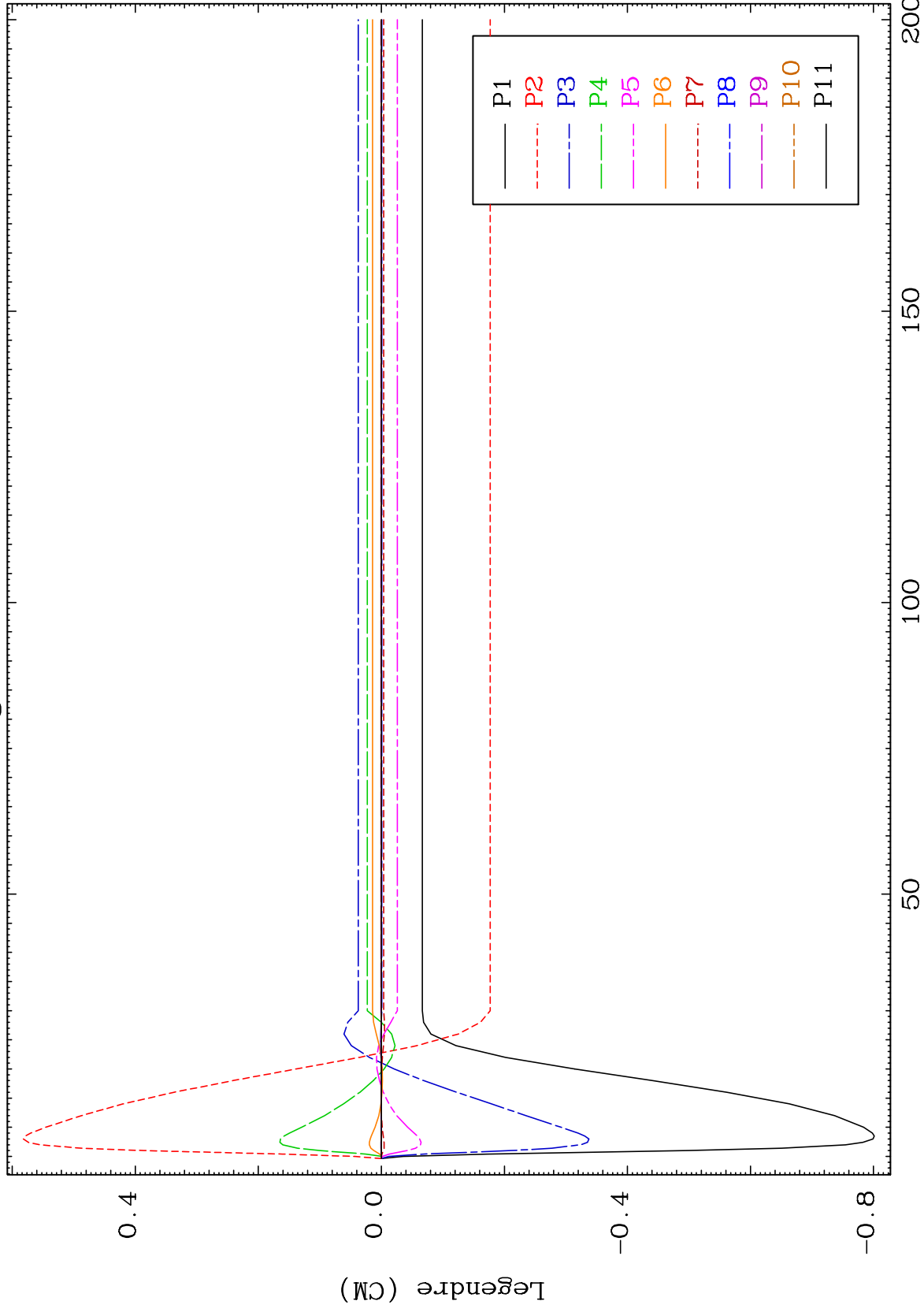




MAT 5595

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

56-Ba-120



64

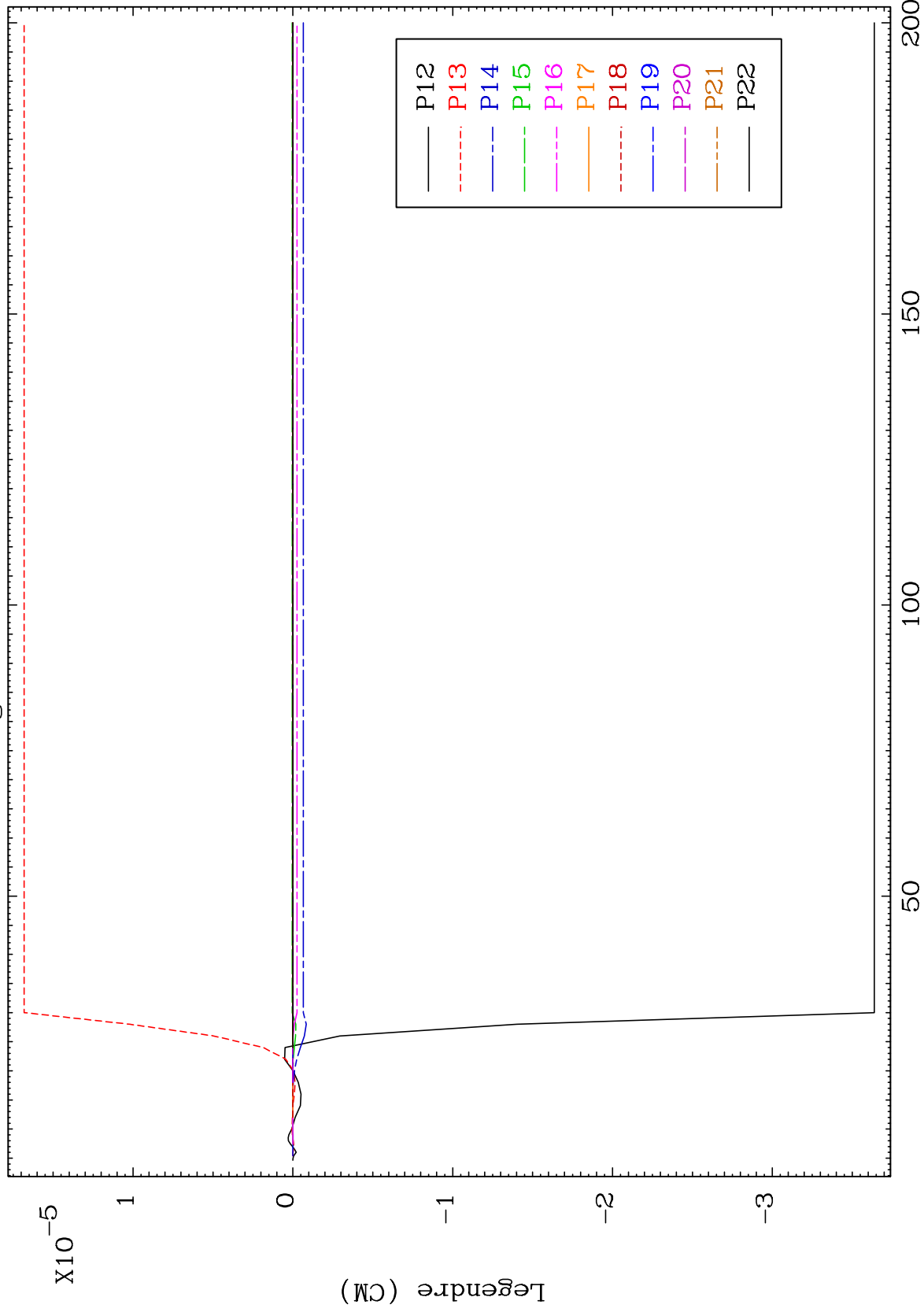
Incident Energy (MeV)

56-Ba-120

MAT 5595

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

56-Ba-120



65

Incident Energy (MeV)

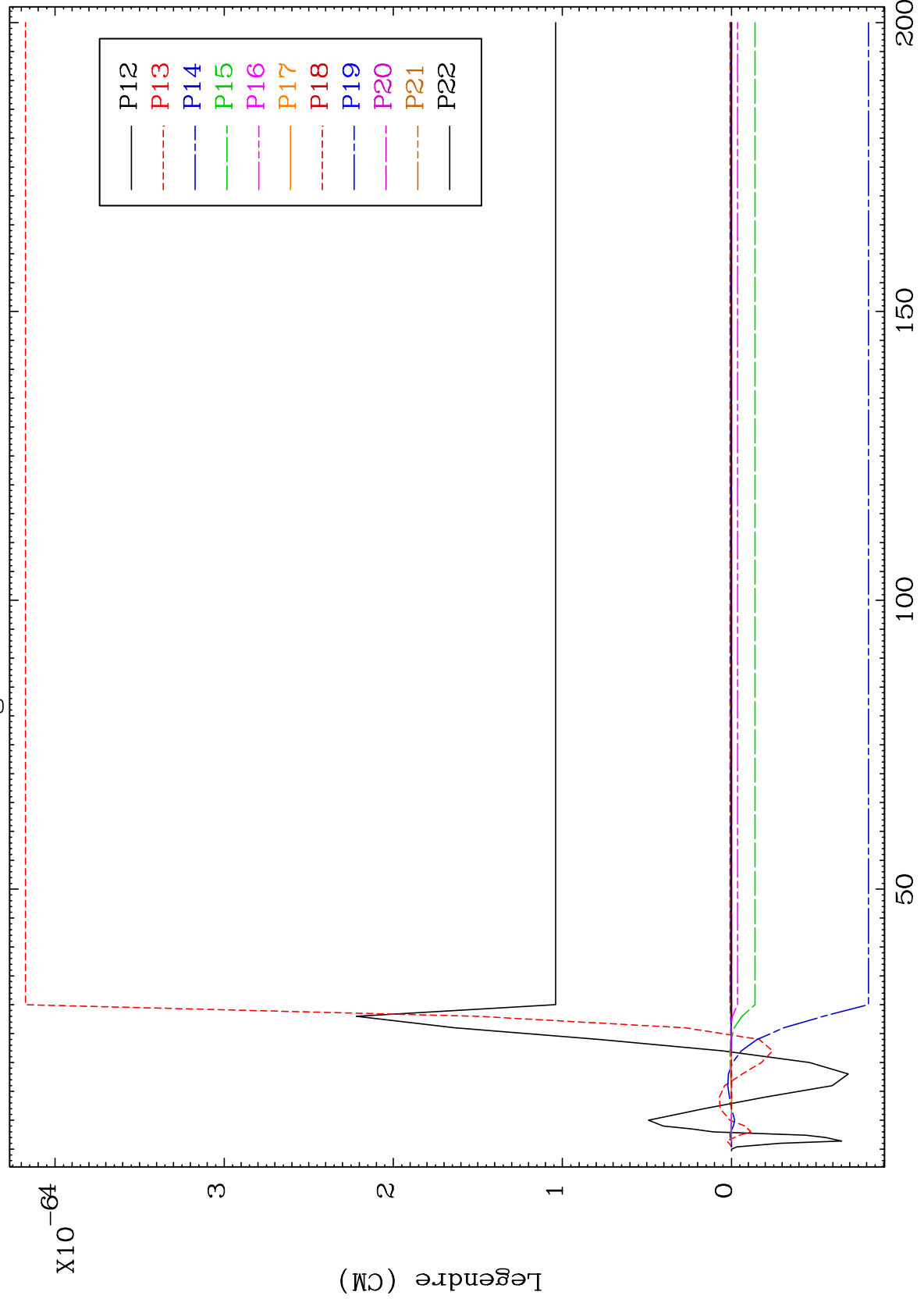
56-Ba-120



MAT 5595

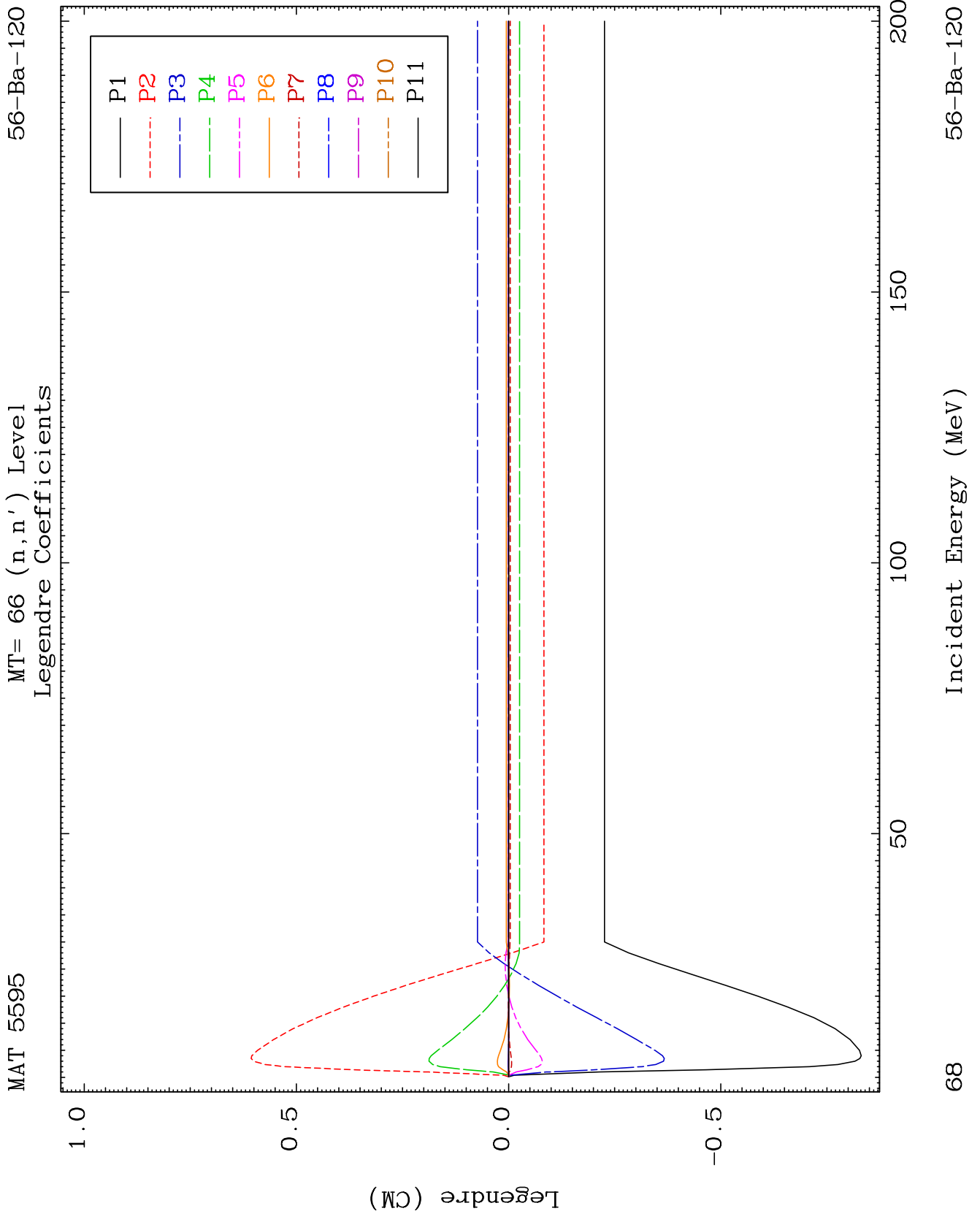
MT= 65 (n,n') Level  
Legendre Coefficients

56-Ba-120



67

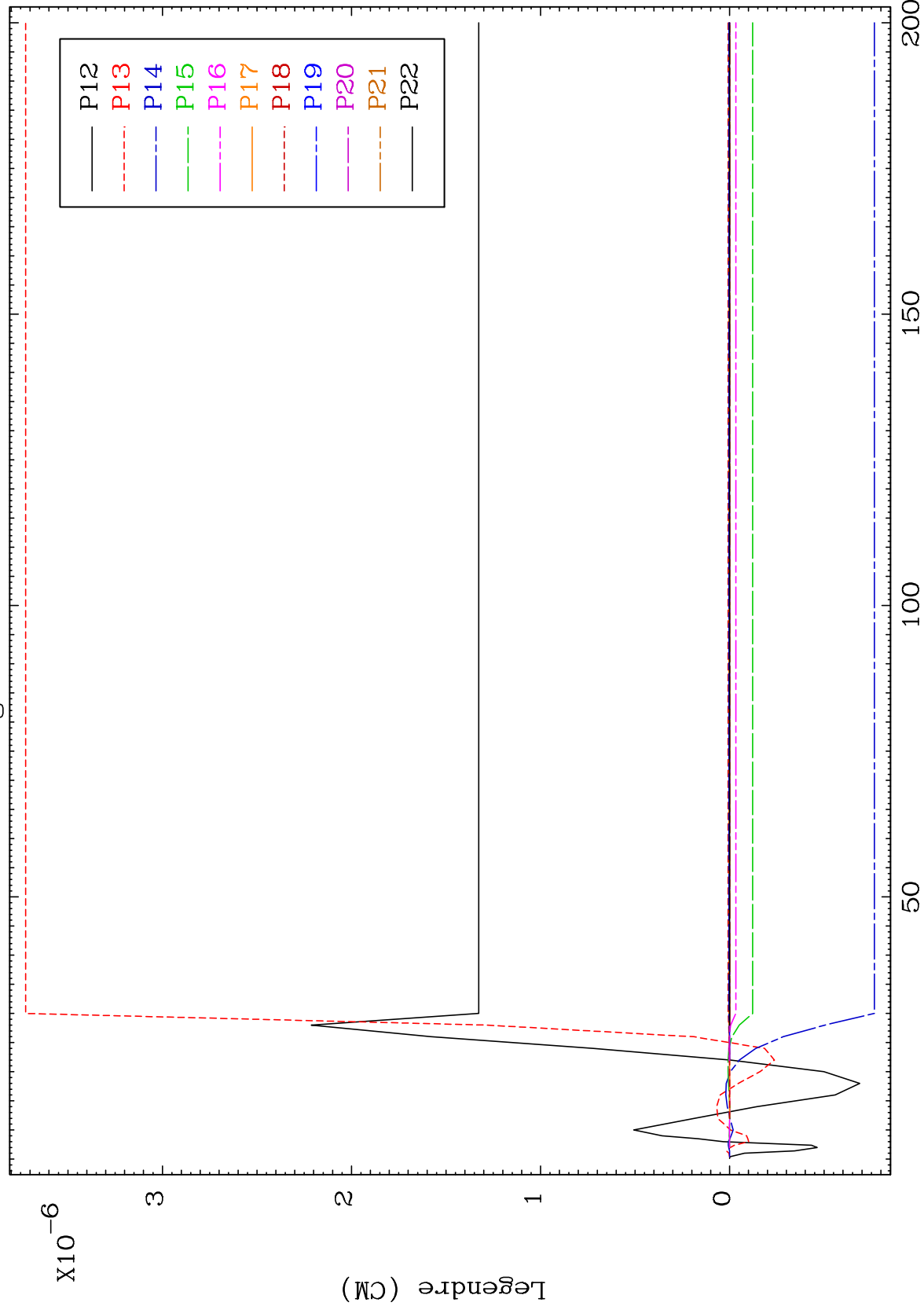
56-Ba-120



MAT 5595

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

56-Ba-120



69

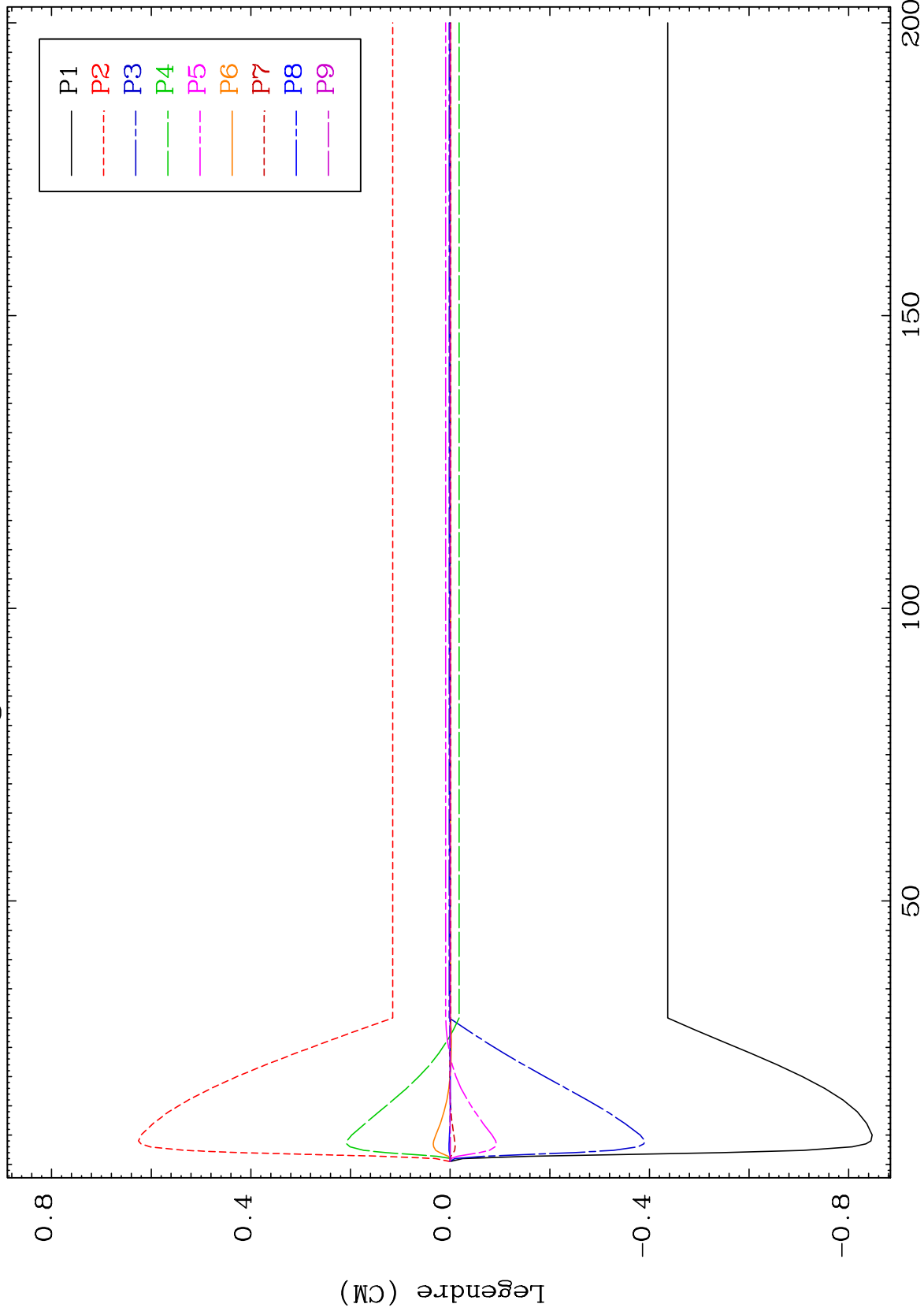
Incident Energy (MeV)

56-Ba-120

MAT 5595

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

56-Ba-120



70

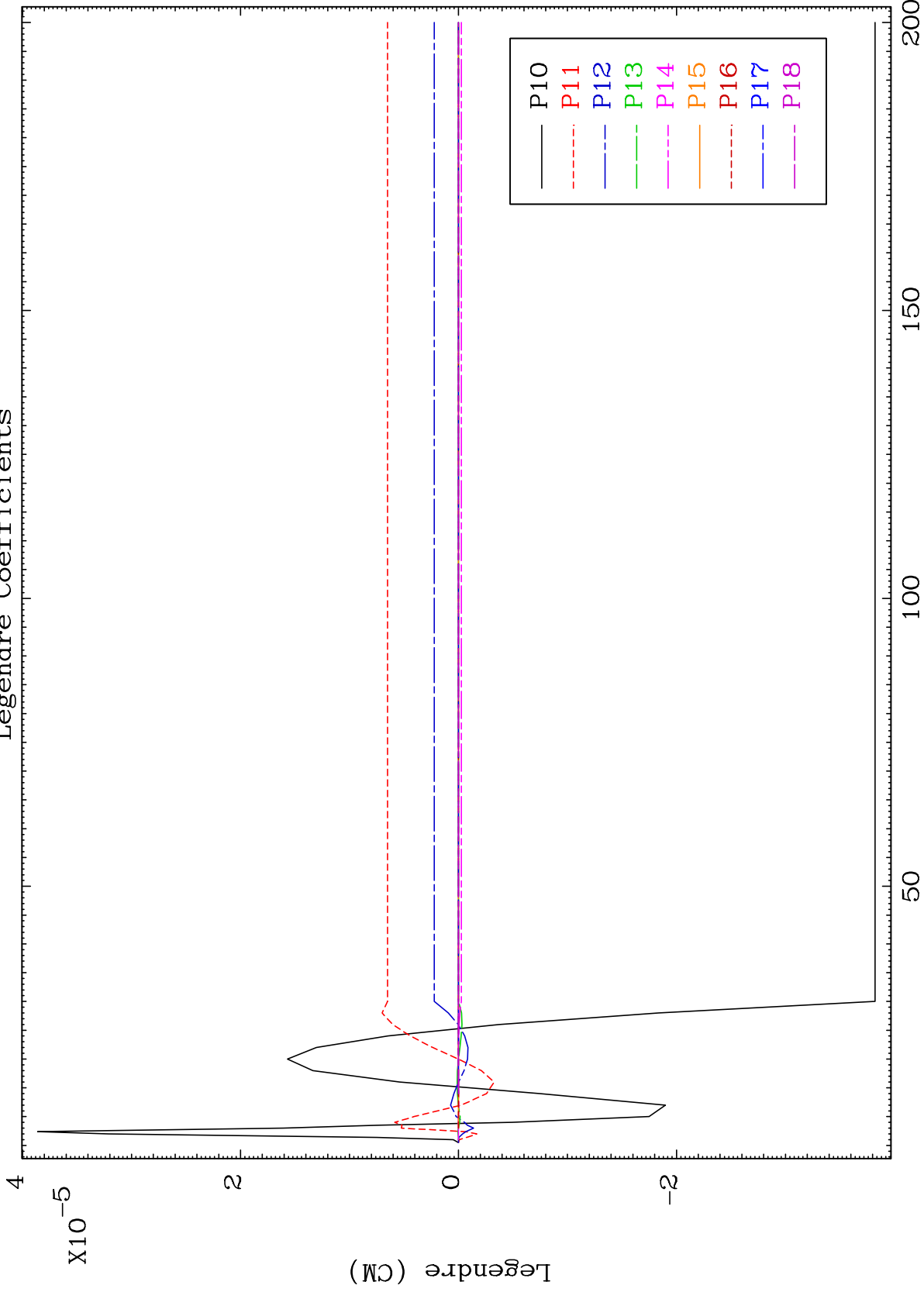
Incident Energy (MeV)

56-Ba-120

MAT 5595

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

56-Ba-120



71

Incident Energy (MeV)

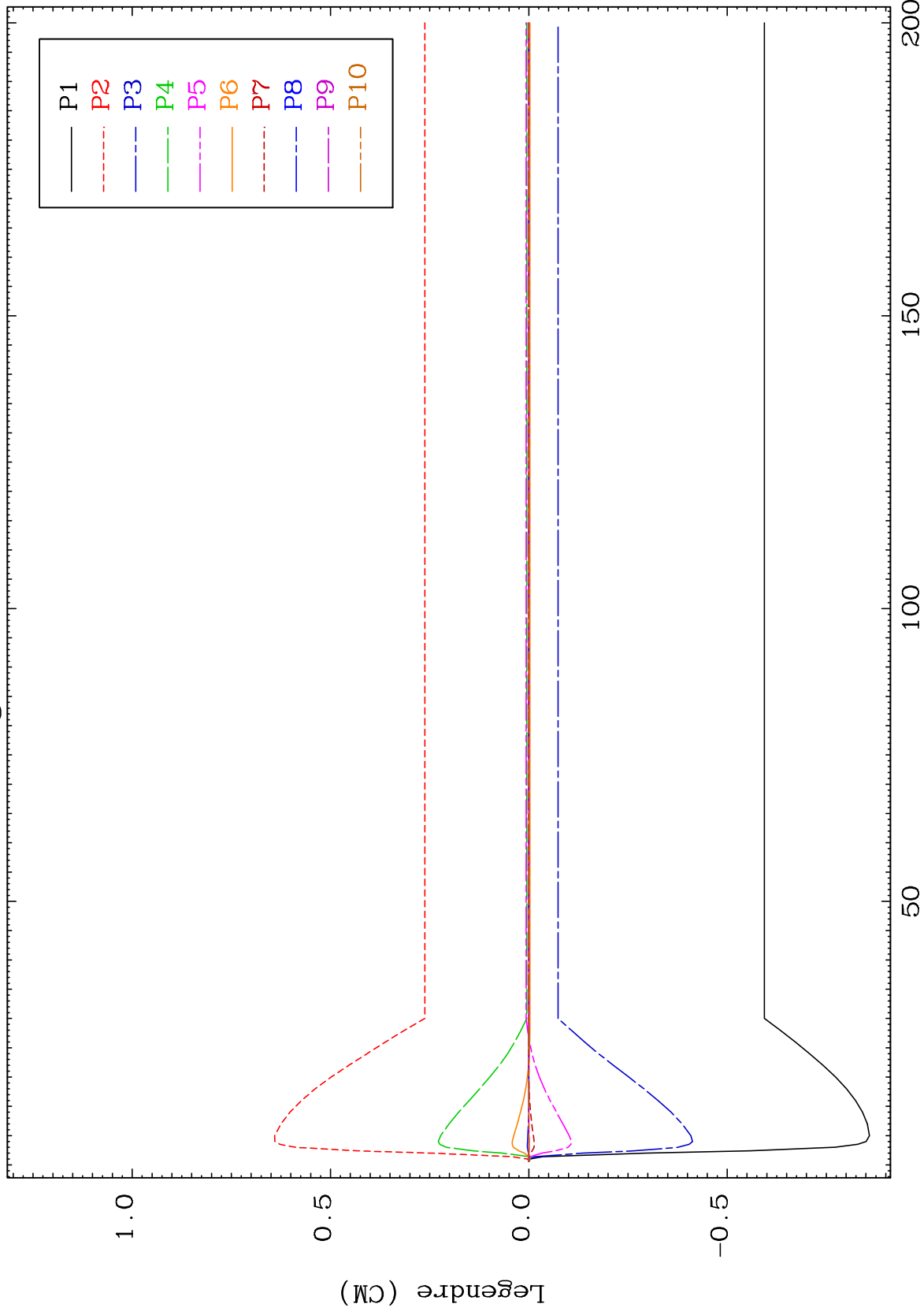
56-Ba-120



MAT 5595

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

56-Ba-120



72

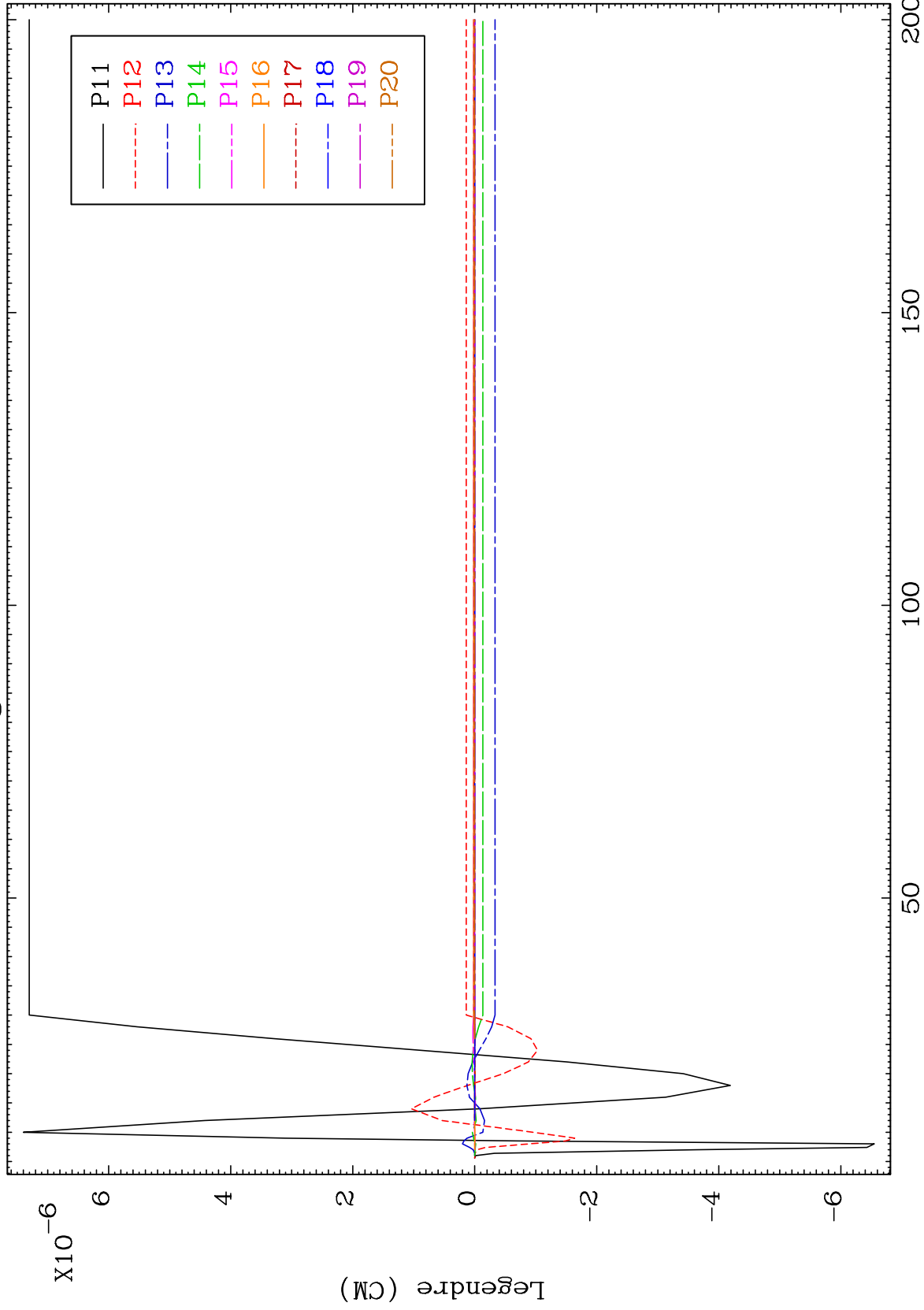
Incident Energy (MeV)

56-Ba-120

MAT 5595

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

56-Ba-120



73

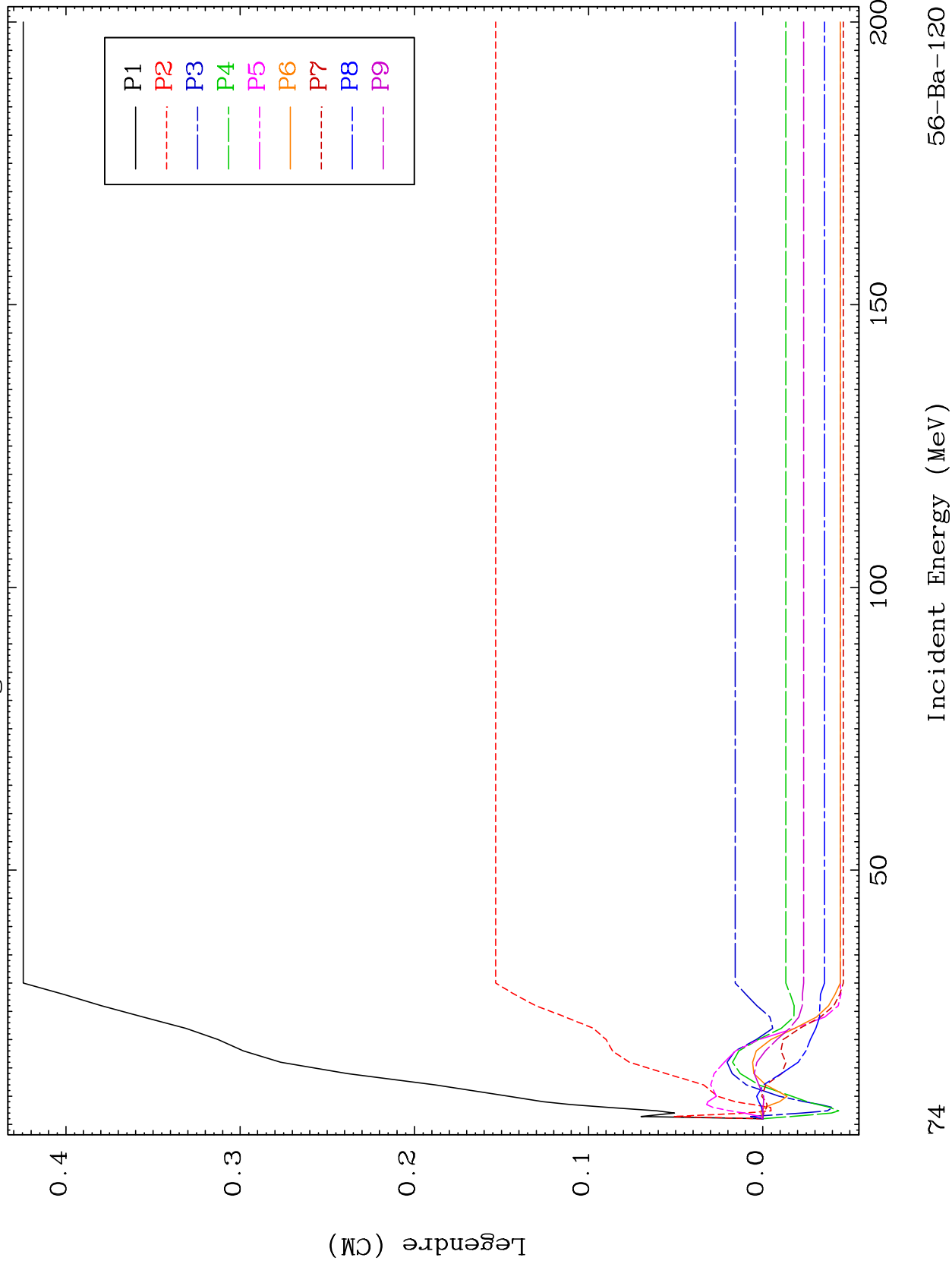
Incident Energy (MeV)

56-Ba-120

MAT 5595

MT= 69 (n,n') Level  
Legendre Coefficients

56-Ba-120



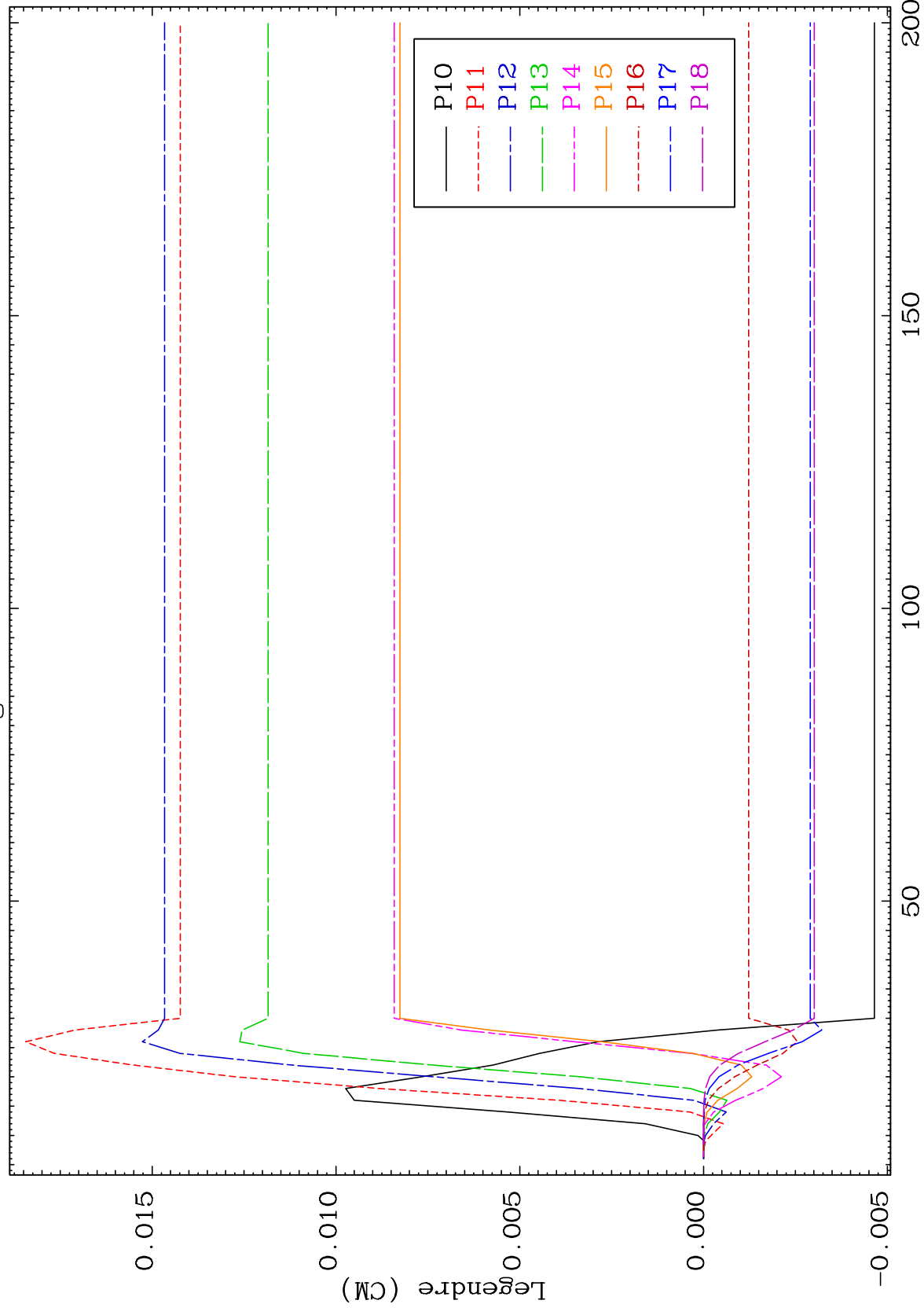
74

56-Ba-120

MAT 5595

MT= 69 (n,n') Level  
Legendre Coefficients

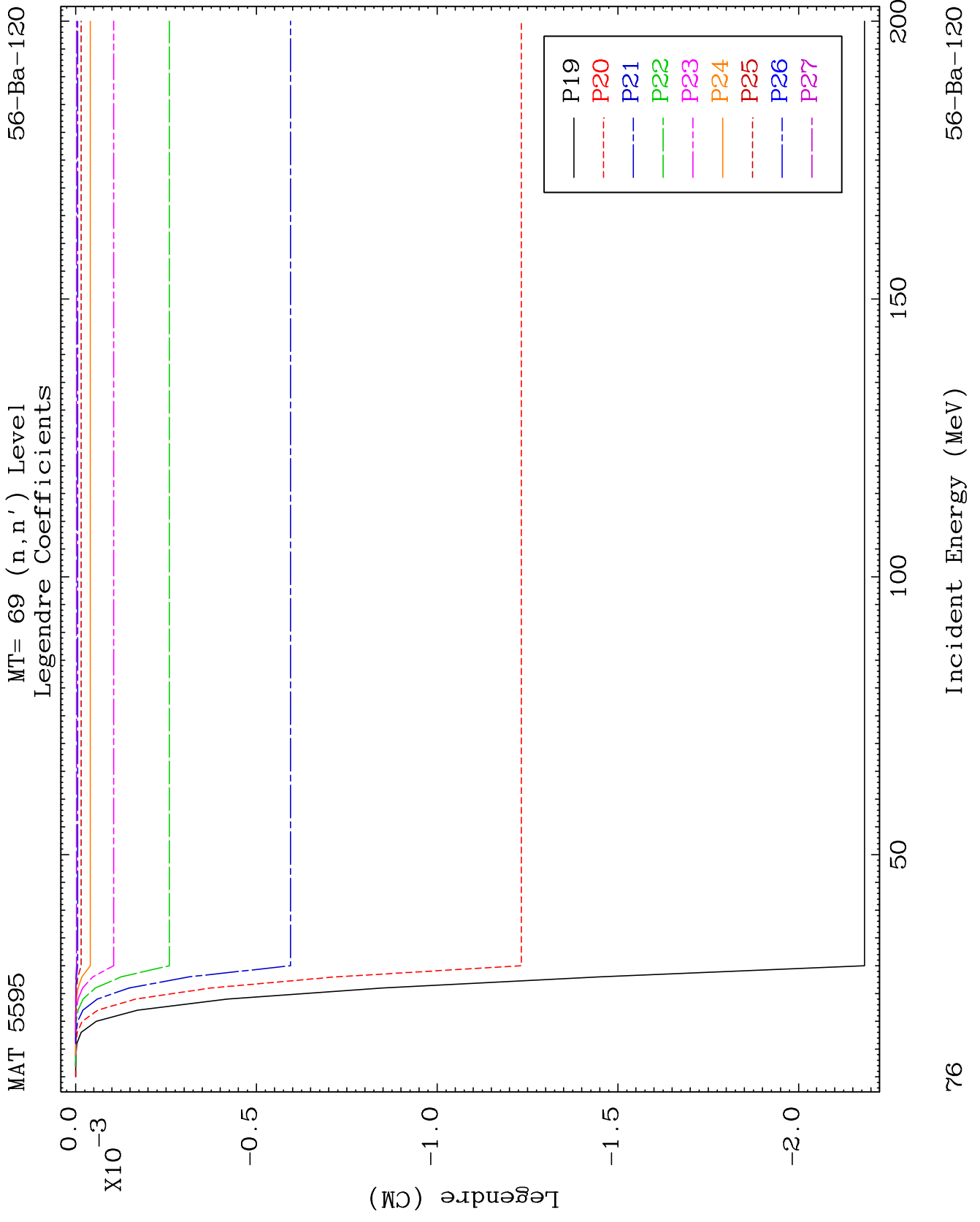
56-Ba-120

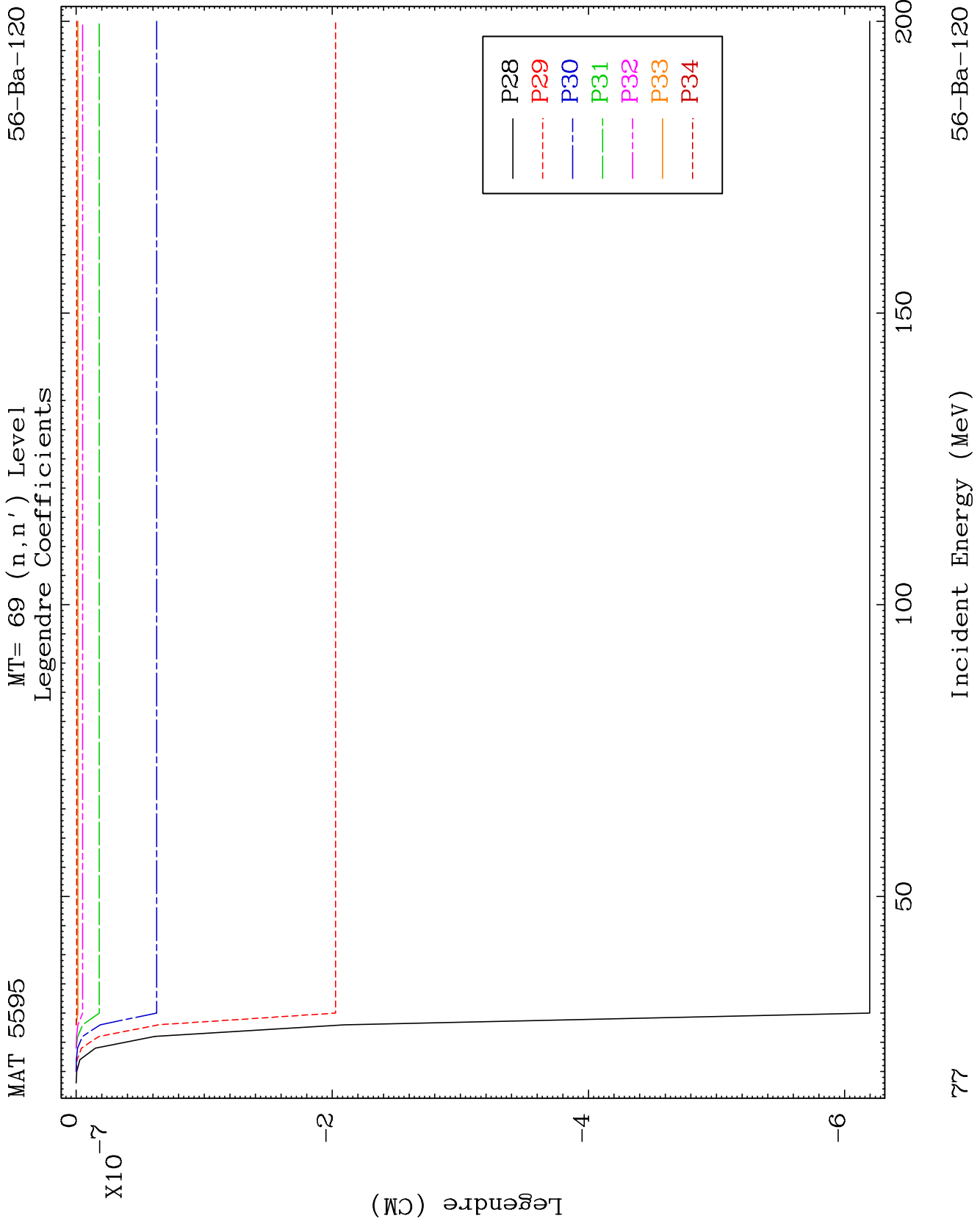


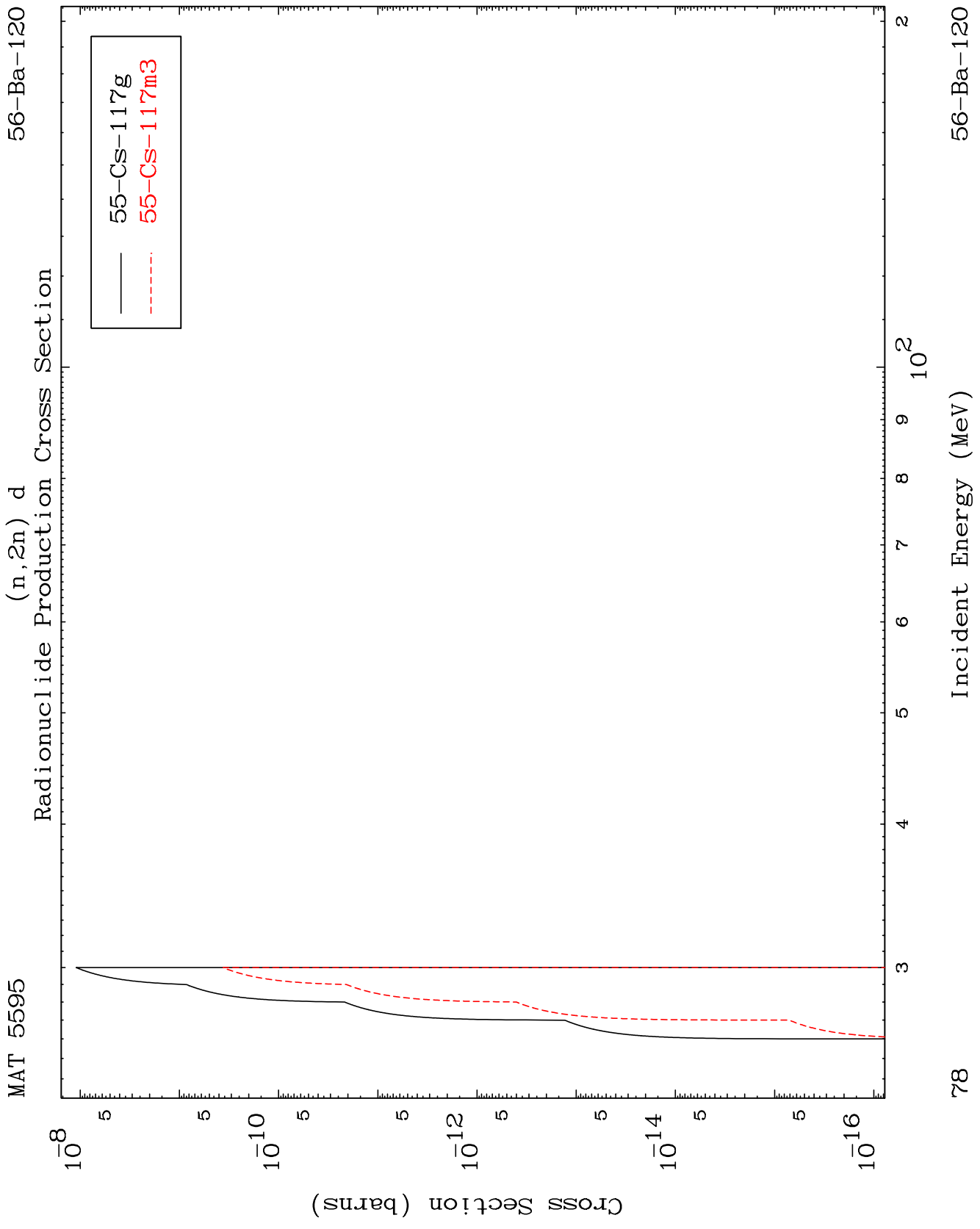
75

Incident Energy (MeV)

56-Ba-120





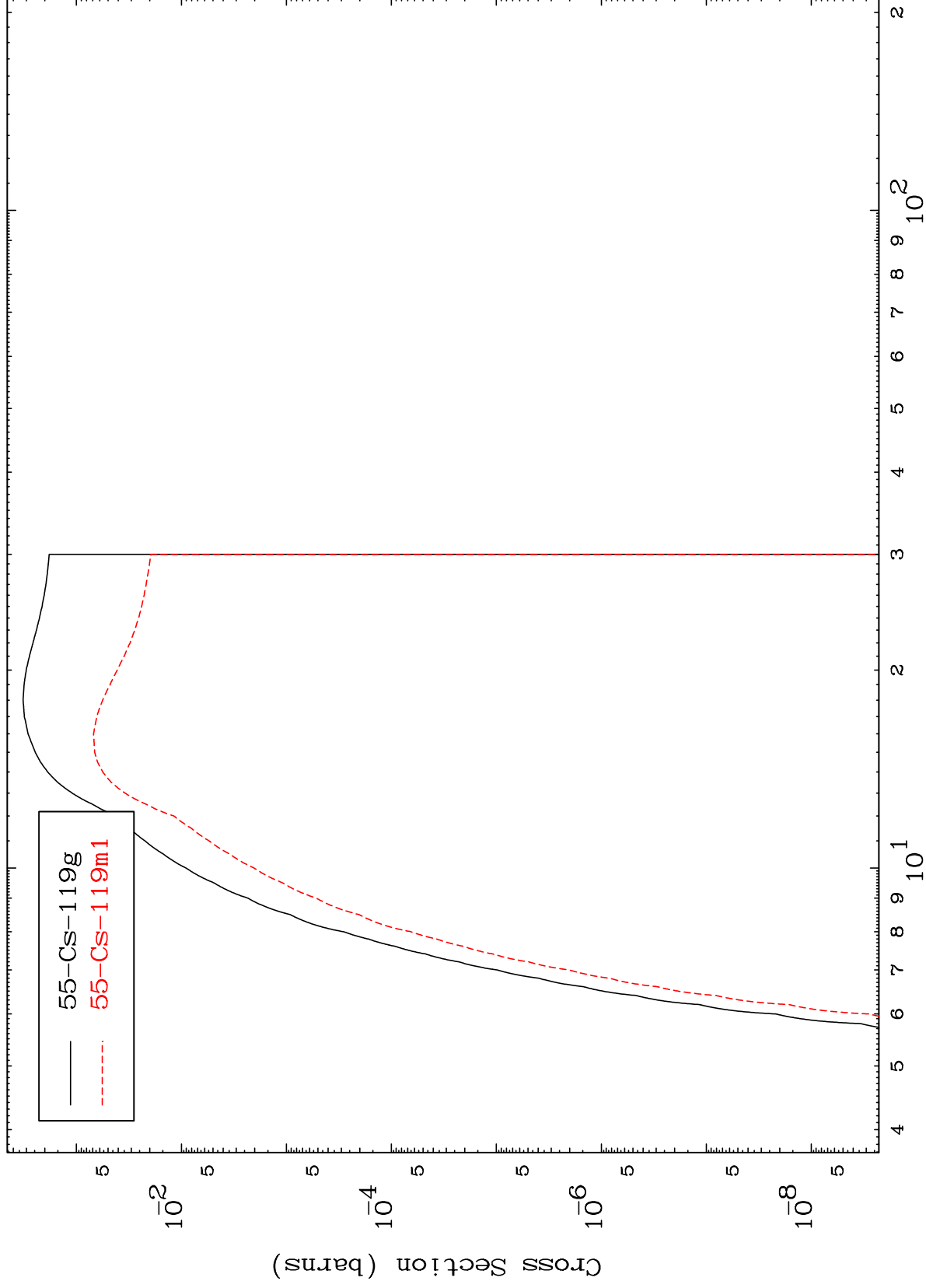


MAT 5595

(n,n') p

56-Ba-120

Radionuclide Production Cross Section



79

Incident Energy (MeV)

56-Ba-120

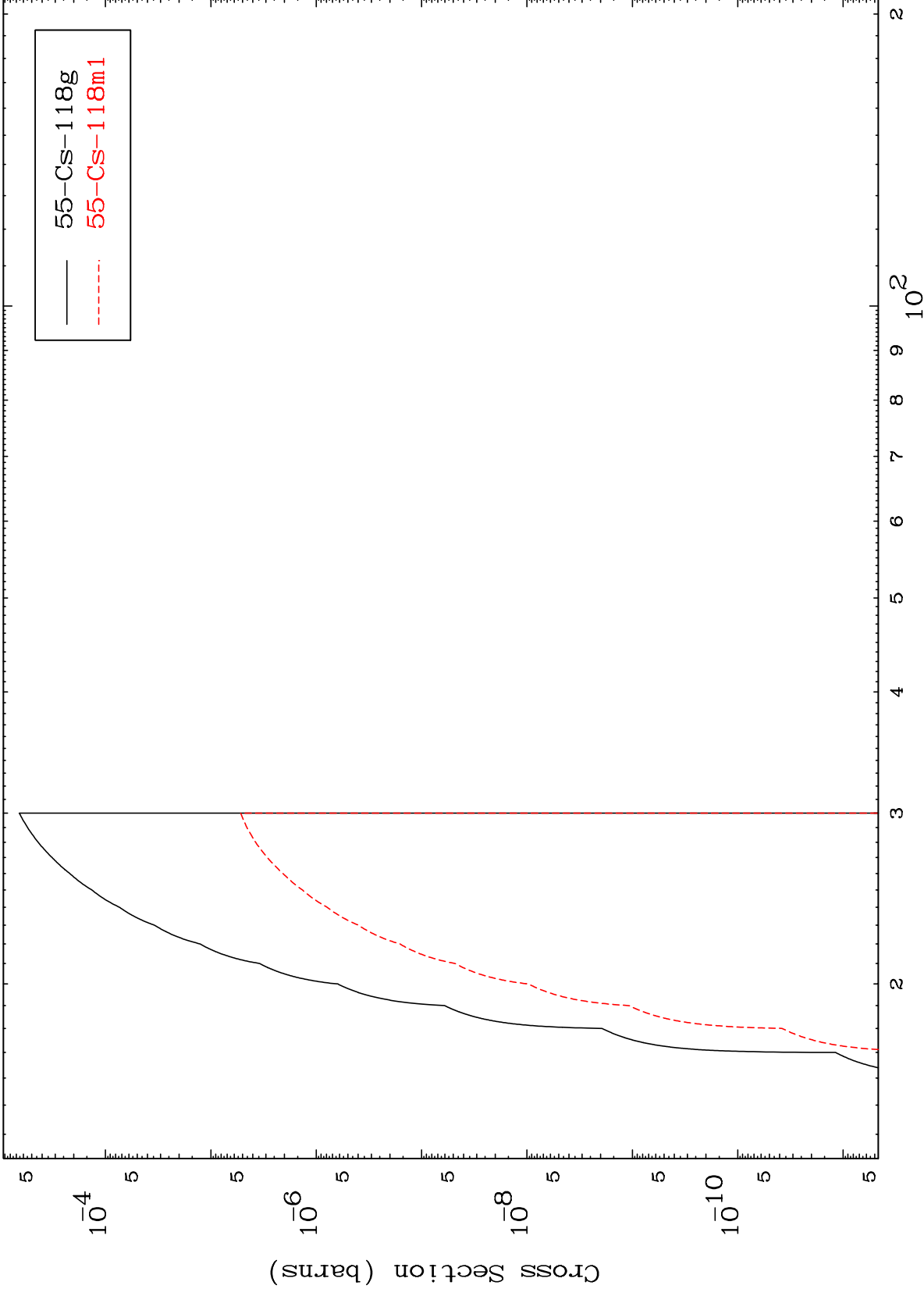


MAT 5595

(n,n') d

56-Ba-120

Radionuclide Production Cross Section

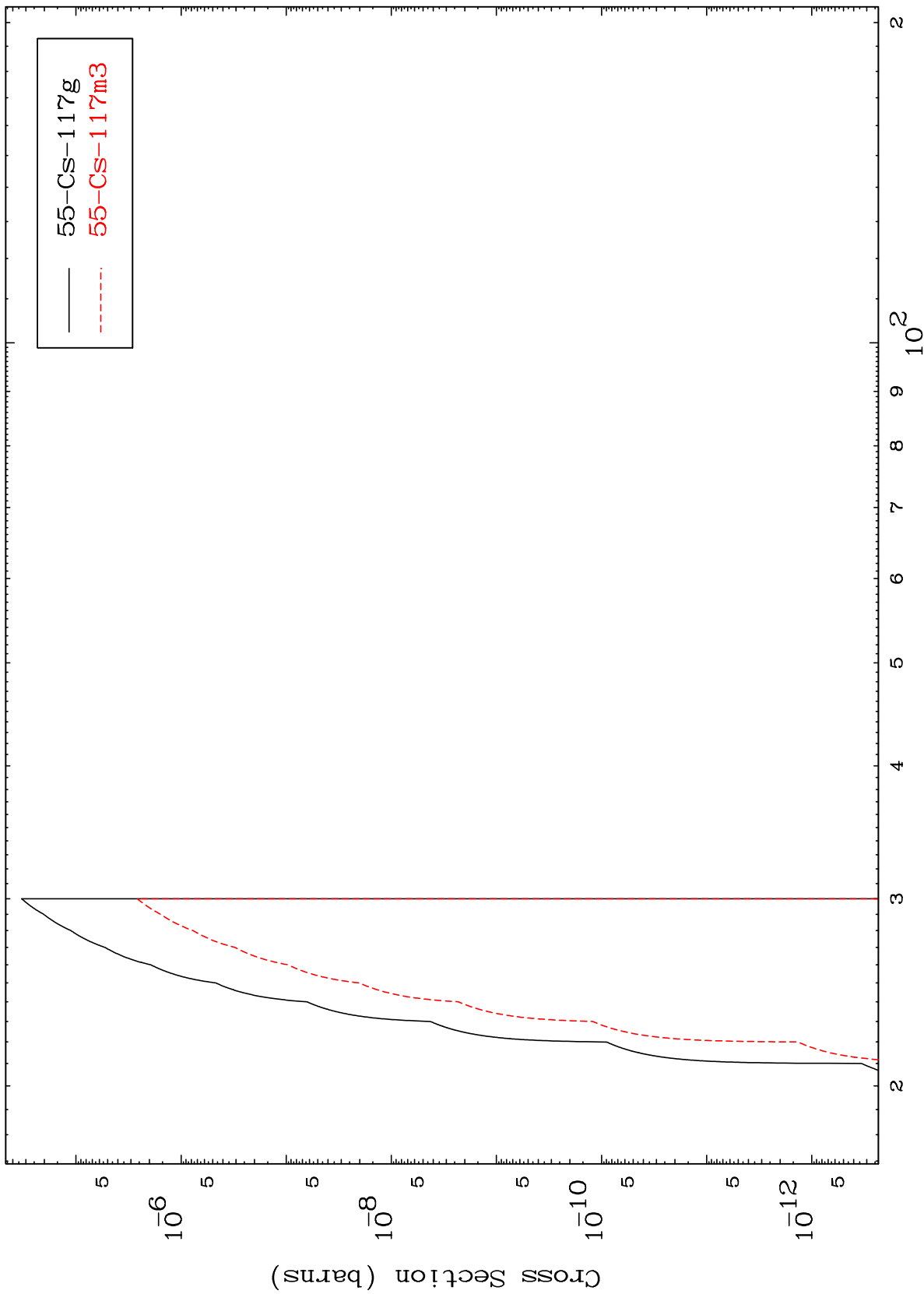


80

Incident Energy (MeV)

56-Ba-120

Radionuclide Production Cross Section



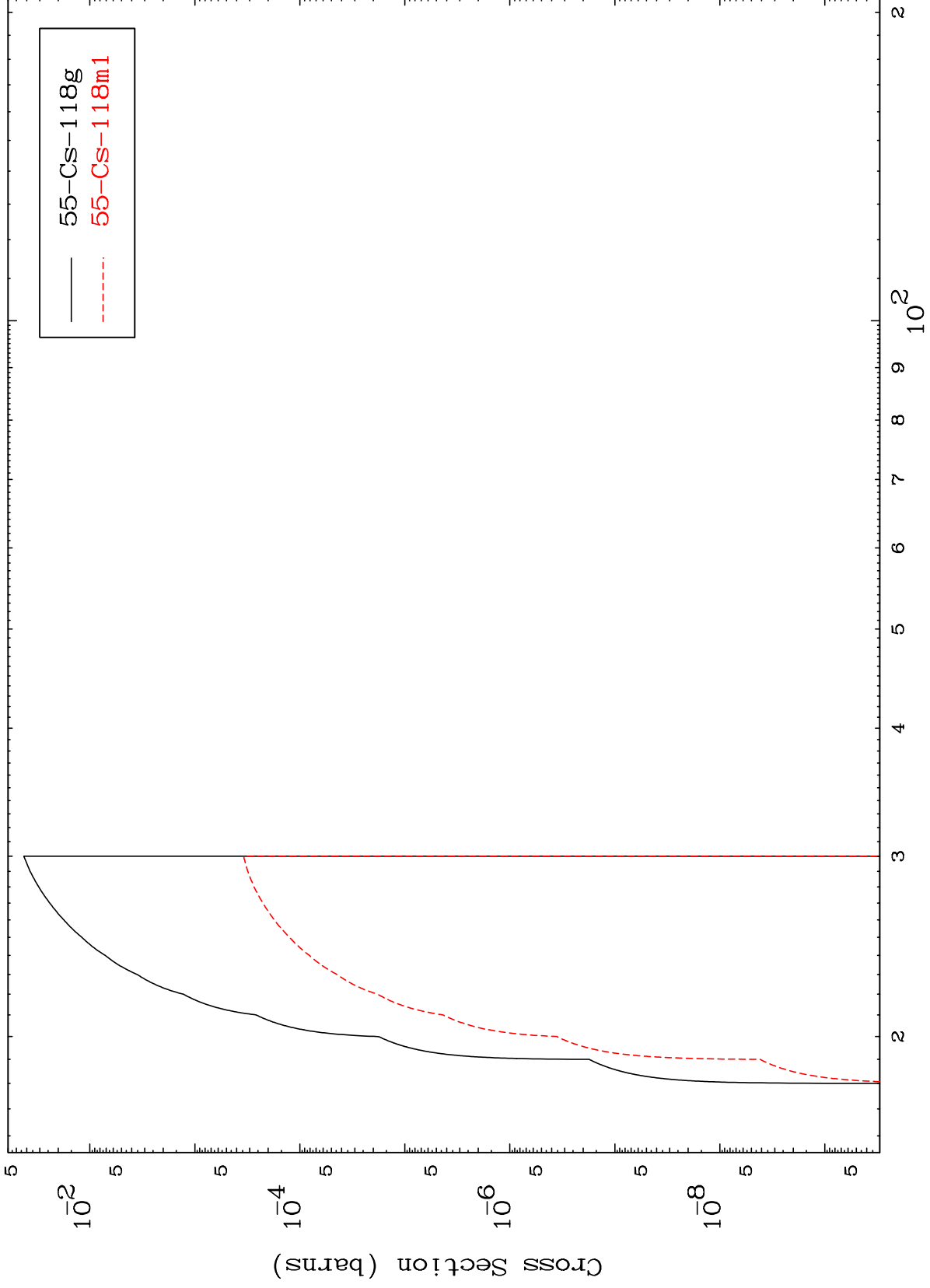
55-Cs-117g  
55-Cs-117m3

MAT 5595

(n,2n) p

56-Ba-120

Radionuclide Production Cross Section



82

Incident Energy (MeV)

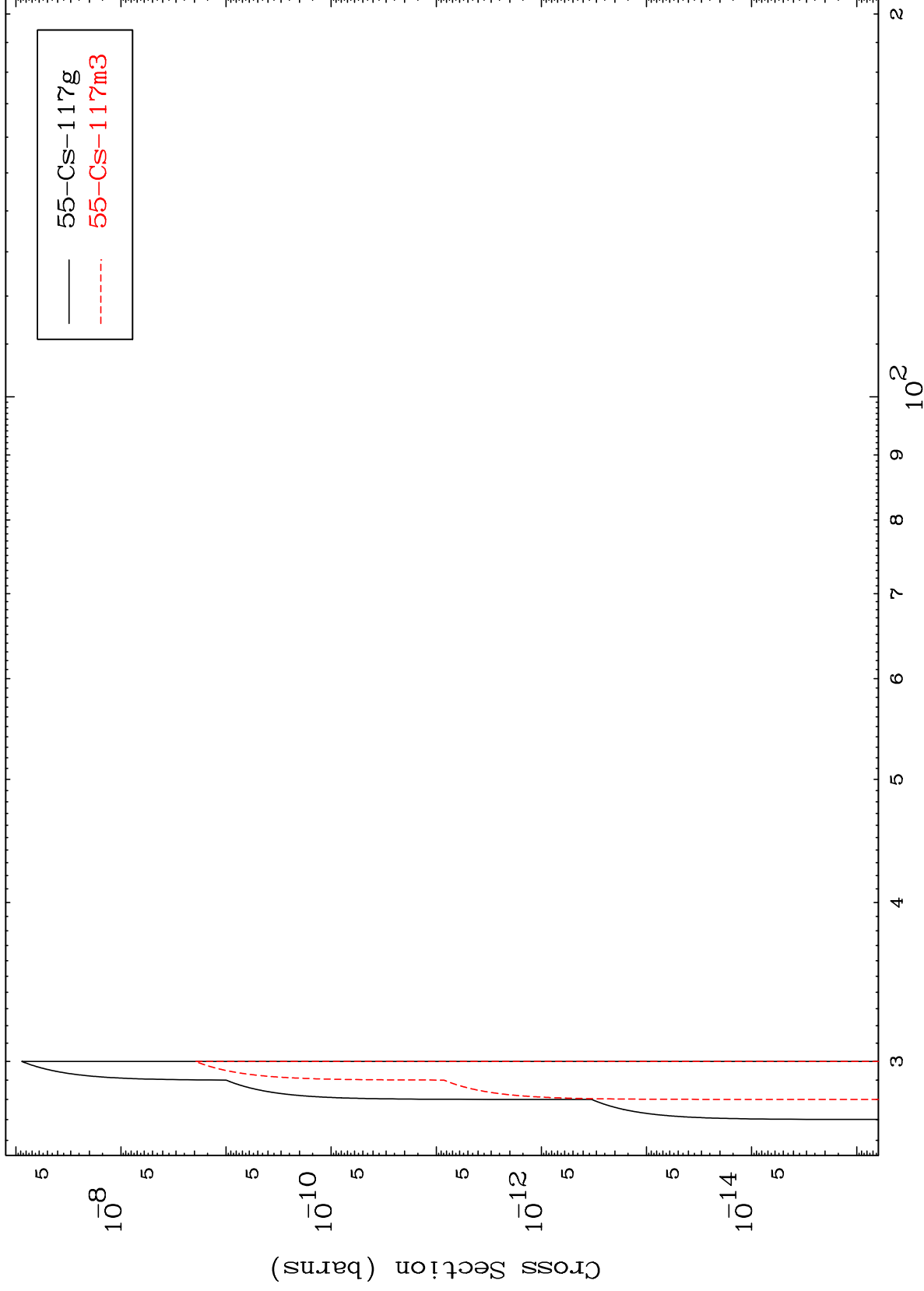
56-Ba-120

MAT 5595

(n,3n) p

56-Ba-120

Radionuclide Production Cross Section



83

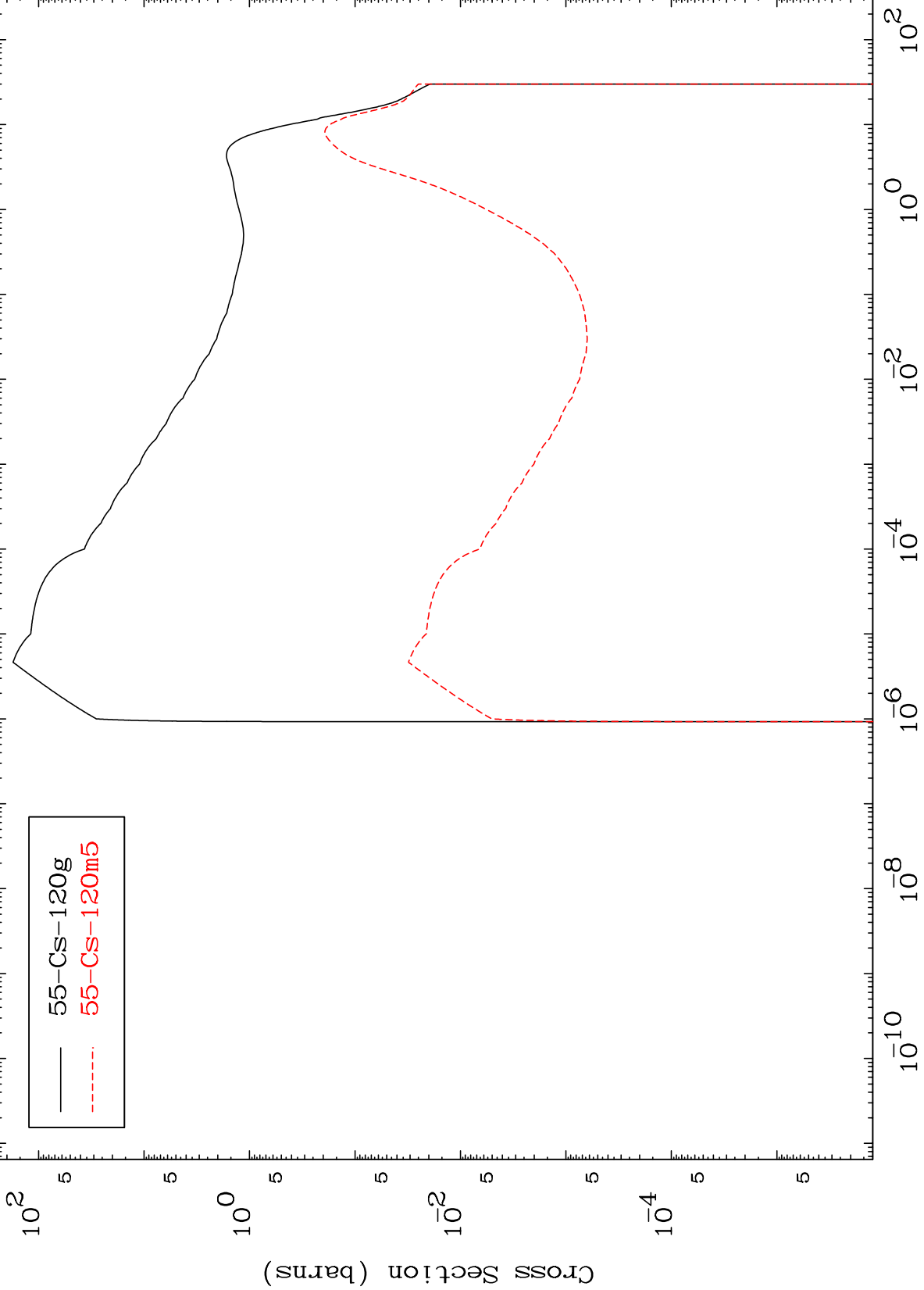
Incident Energy (MeV)

56-Ba-120

MAT 5595

56-Ba-120

(n,p)  
Radionuclide Production Cross Section



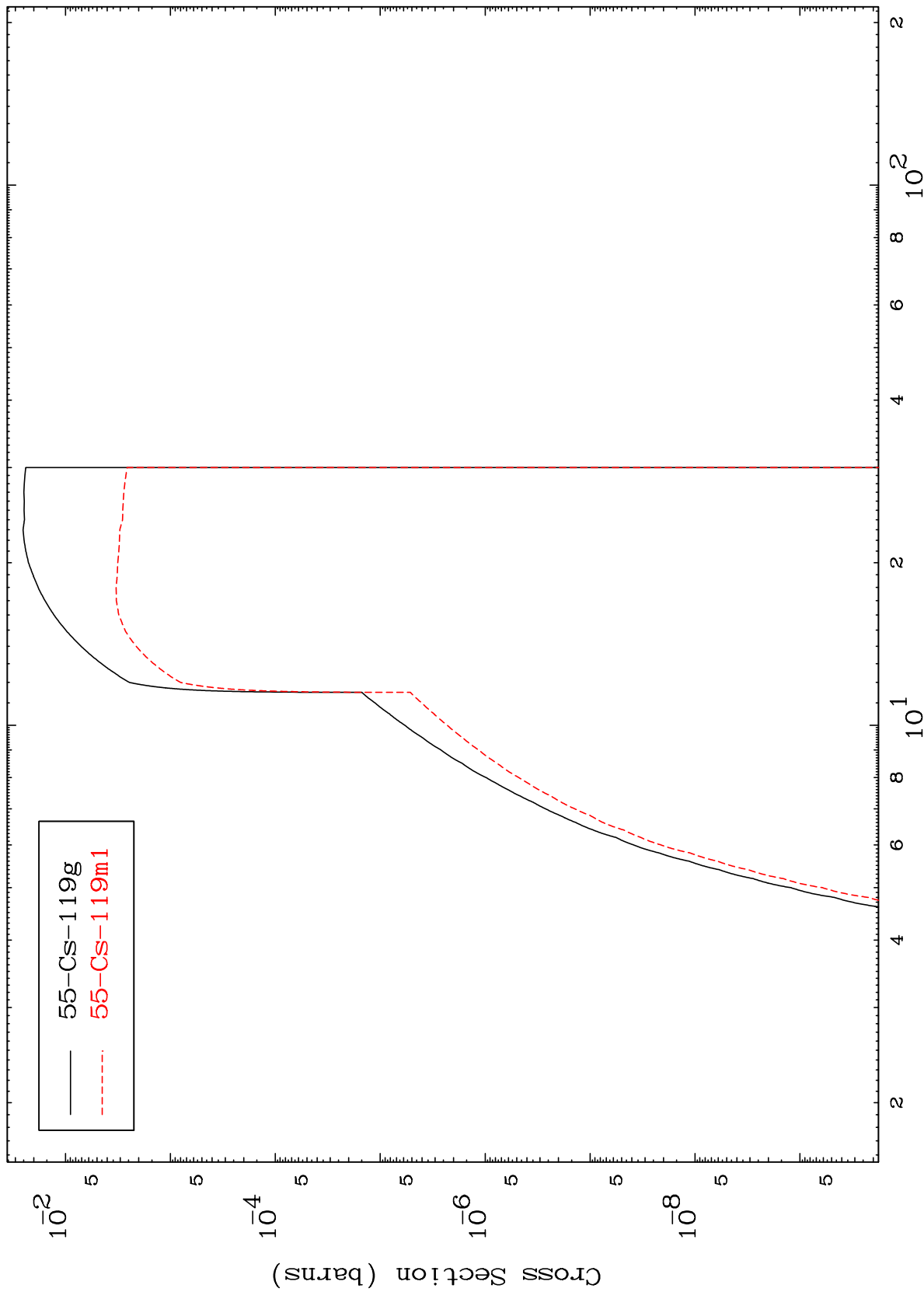
55-Cs-120g  
55-Cs-120m5

MAT 5595

(n,d)

56-Ba-120

Radionuclide Production Cross Section



85

Incident Energy (MeV)

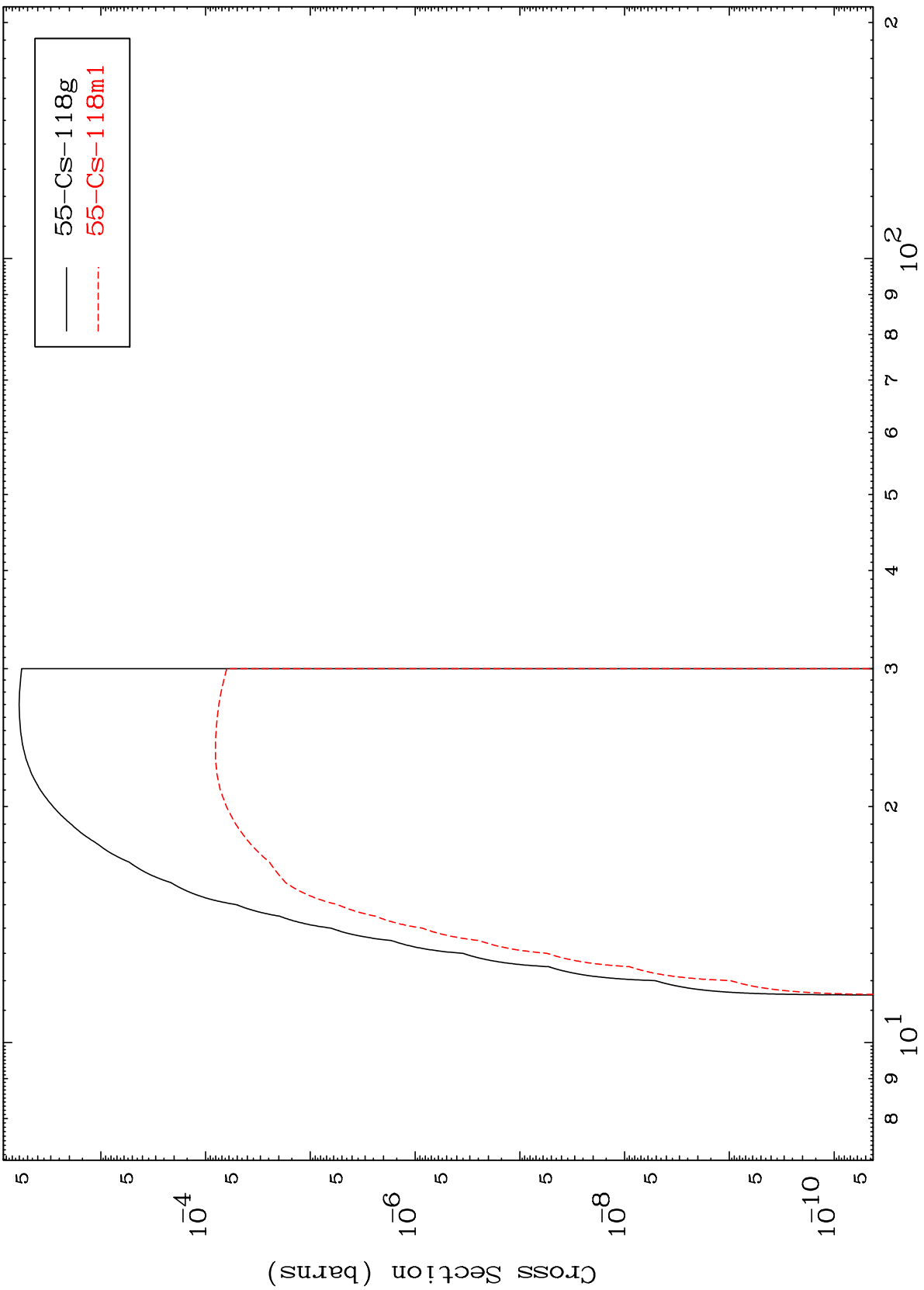
56-Ba-120

MAT 5595

(n,t)

56-Ba-120

Radionuclide Production Cross Section



86

Incident Energy (MeV)

56-Ba-120