

Program EVALPLOT  
(Version 2017-1)

by

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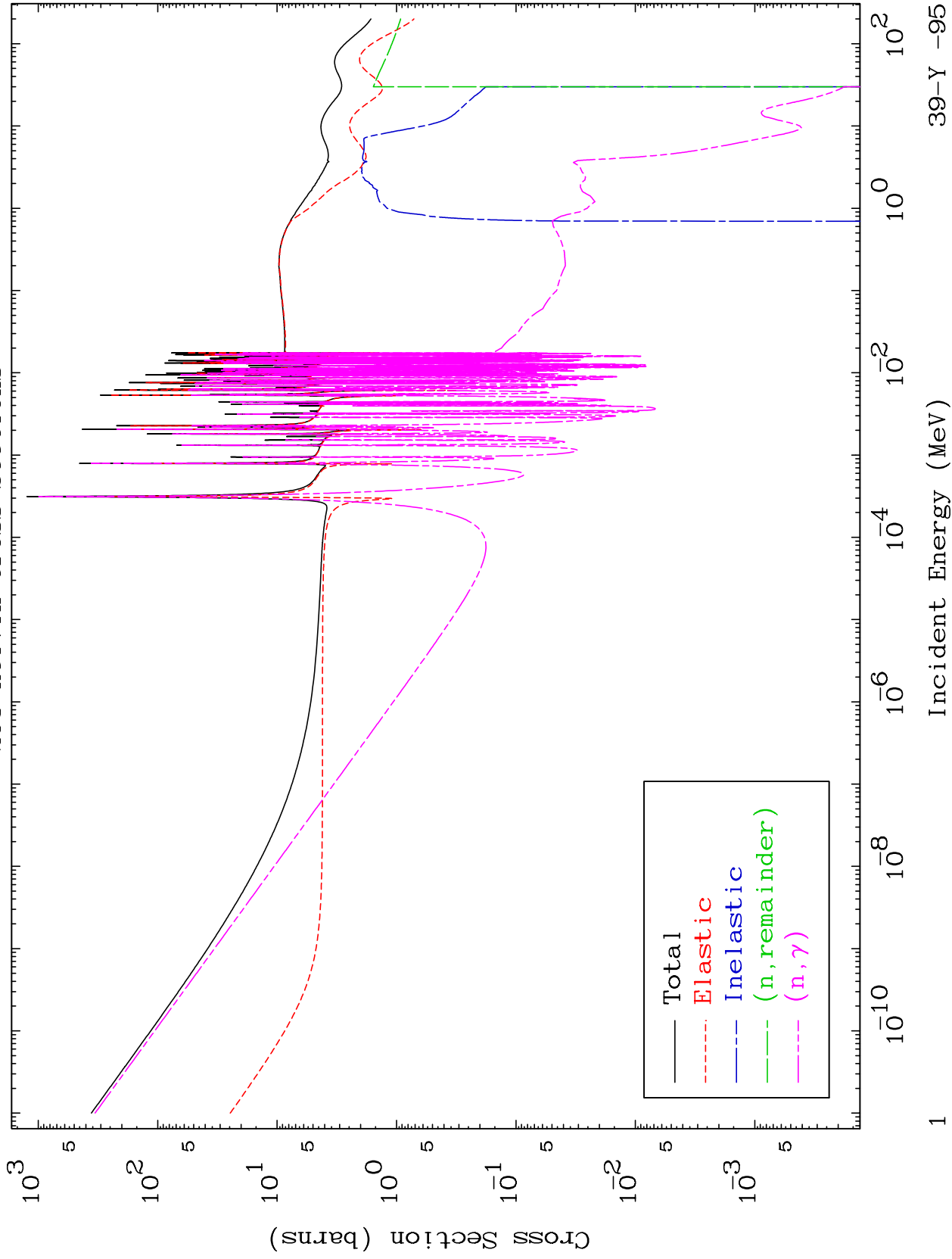
Press Mouse Button to Start

MAT 3943

Major

293 Kelvin Cross Sections

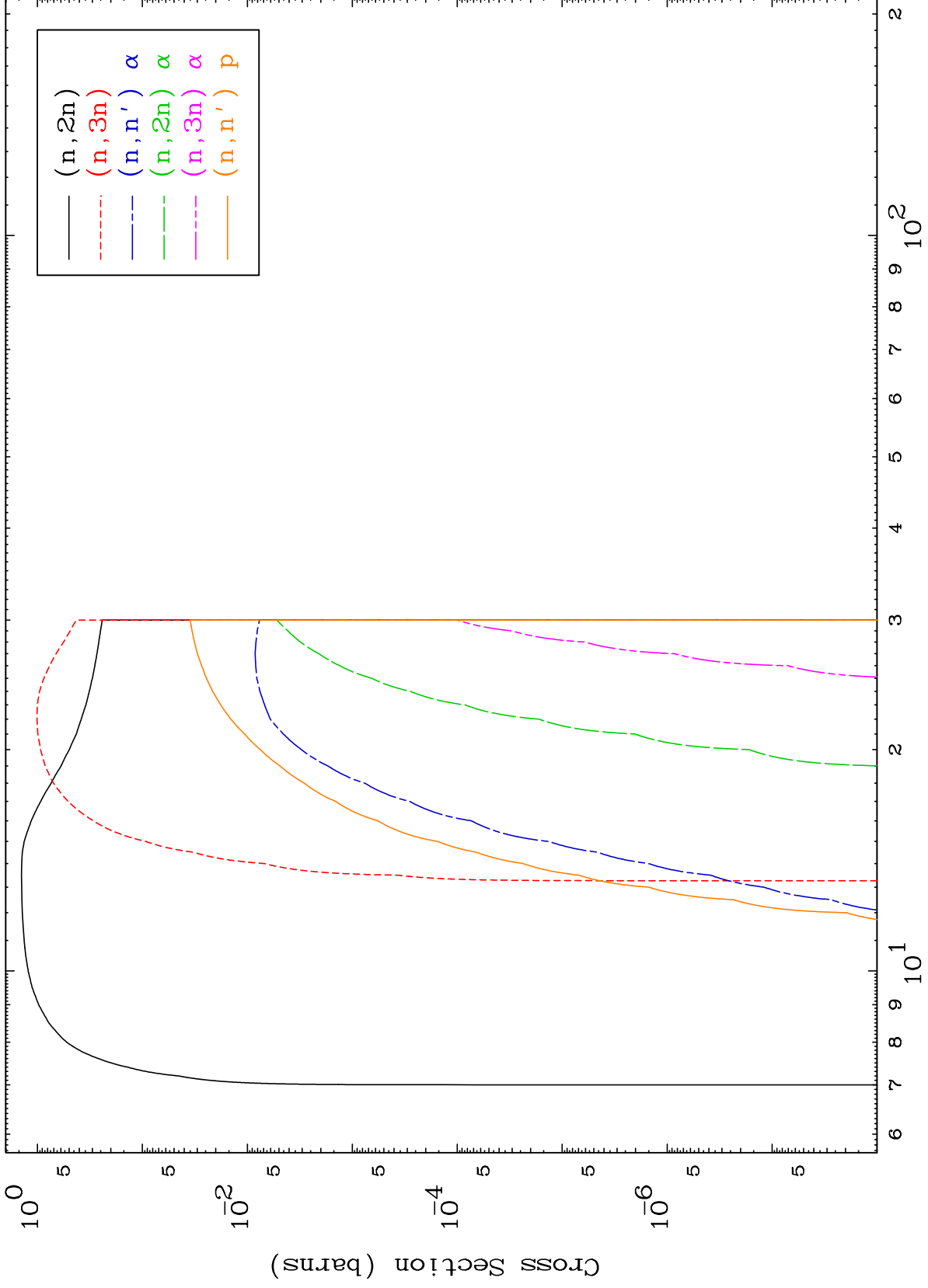
39-Y -95



MAT 3943

Neutron Production  
293 Kelvin Cross Sections

39-Y -95

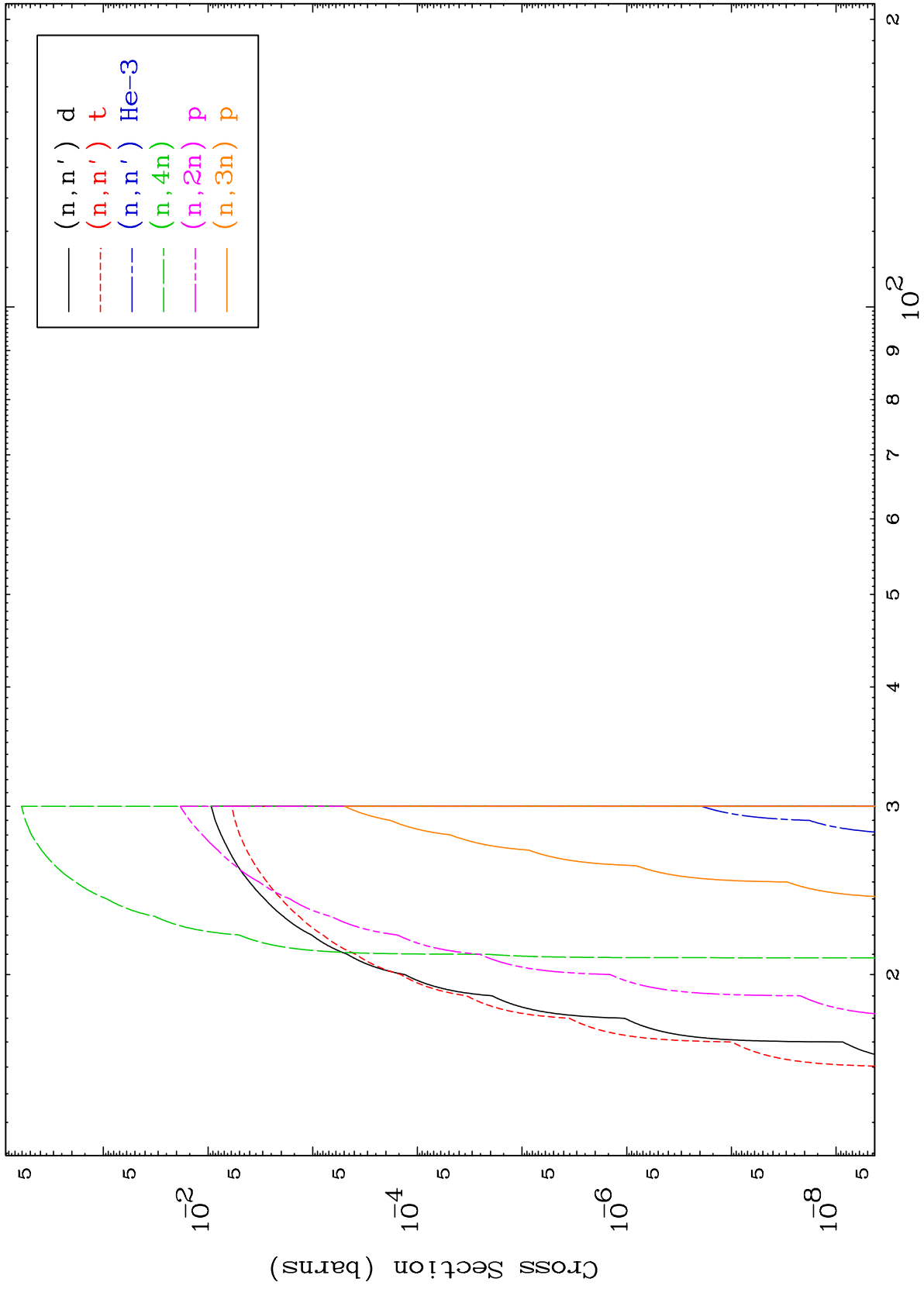


2

Incident Energy (MeV)

39-Y -95

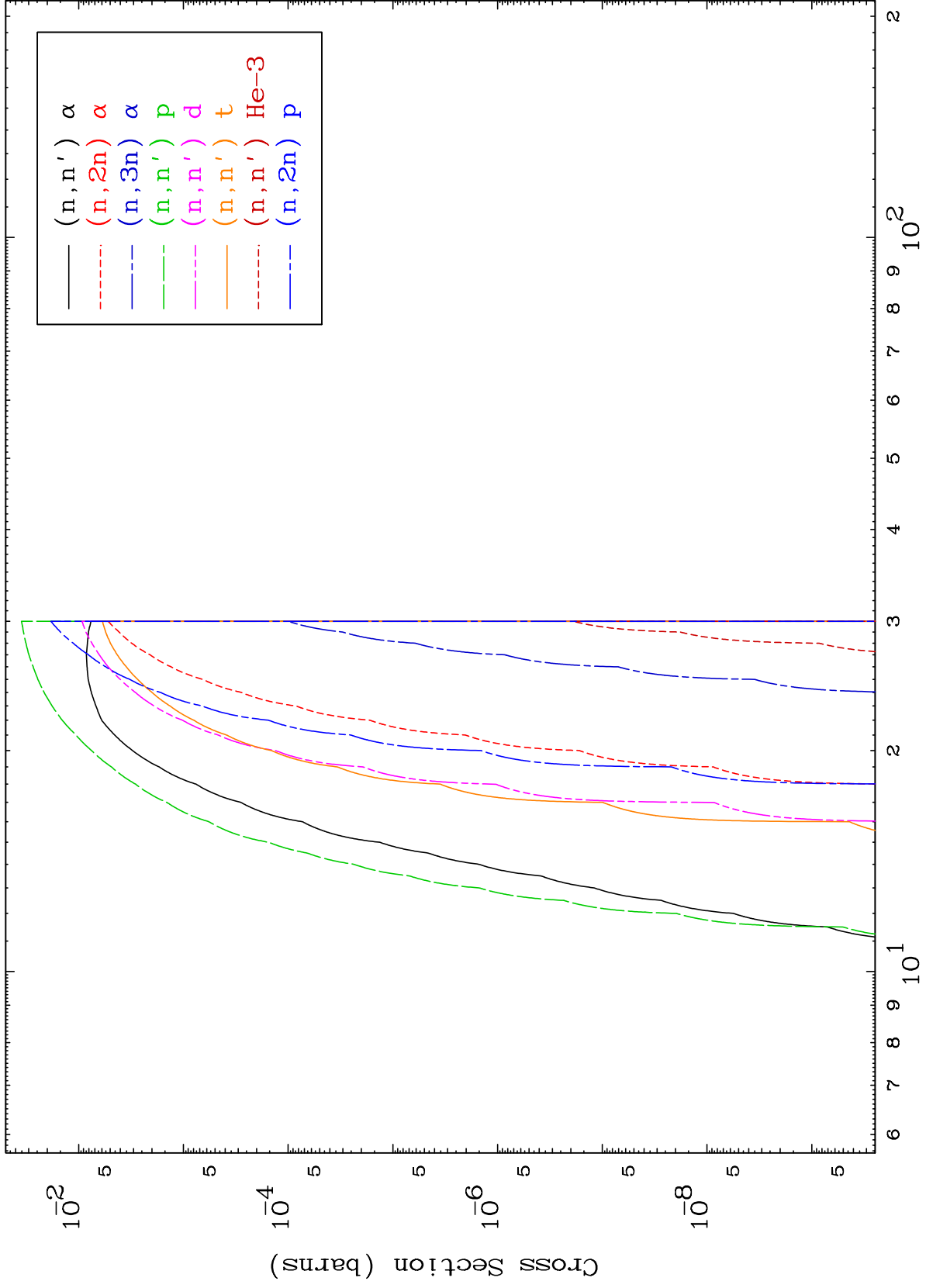
Neutron Production  
293 Kelvin Cross Sections



MAT 3943

Charged Particle  
293 Kelvin Cross Sections

39-Y -95



4

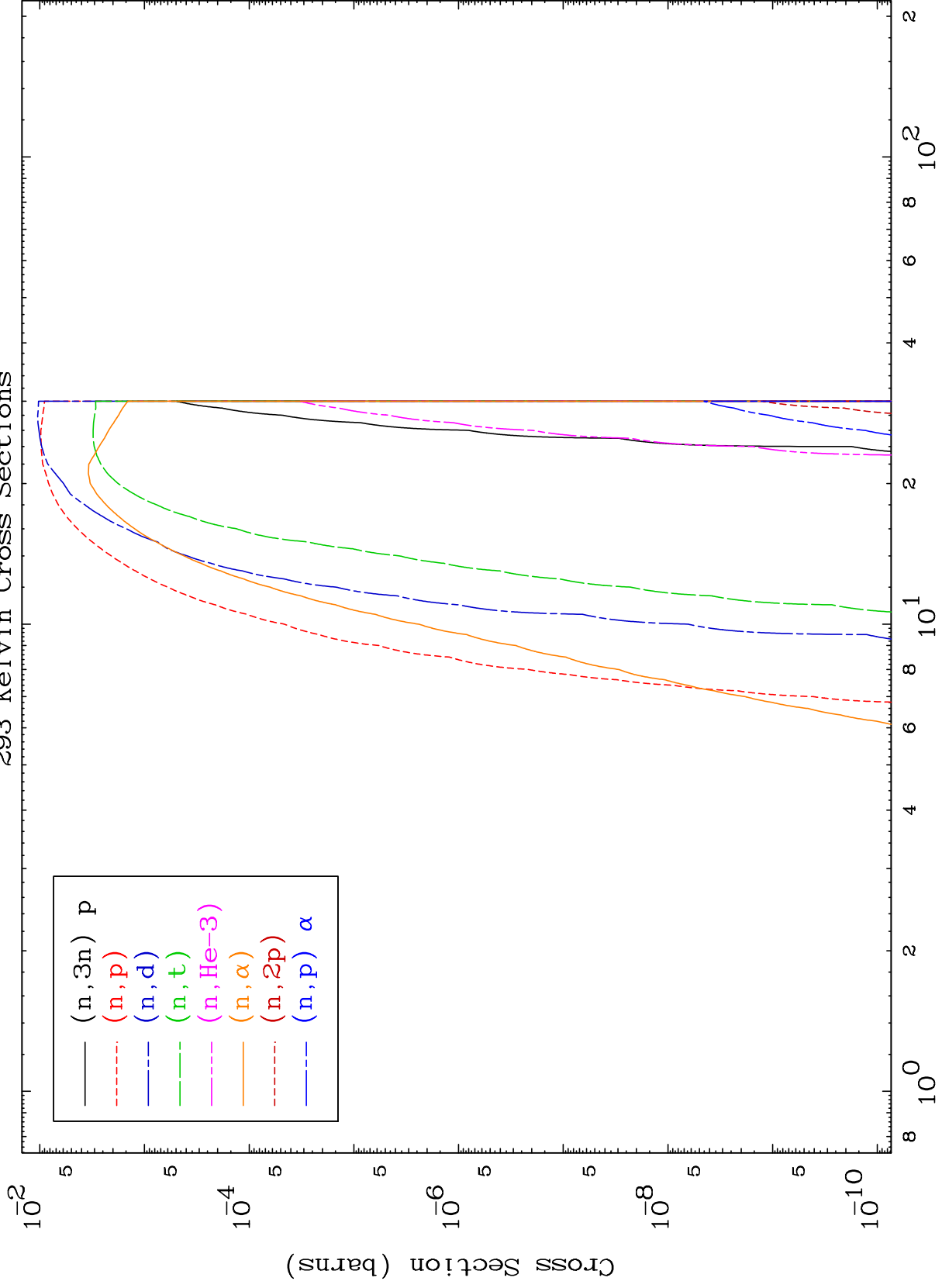
Incident Energy (MeV)

39-Y -95

MAT 3943

Charged Particle  
293 Kelvin Cross Sections

39-Y -95



Incident Energy (MeV)

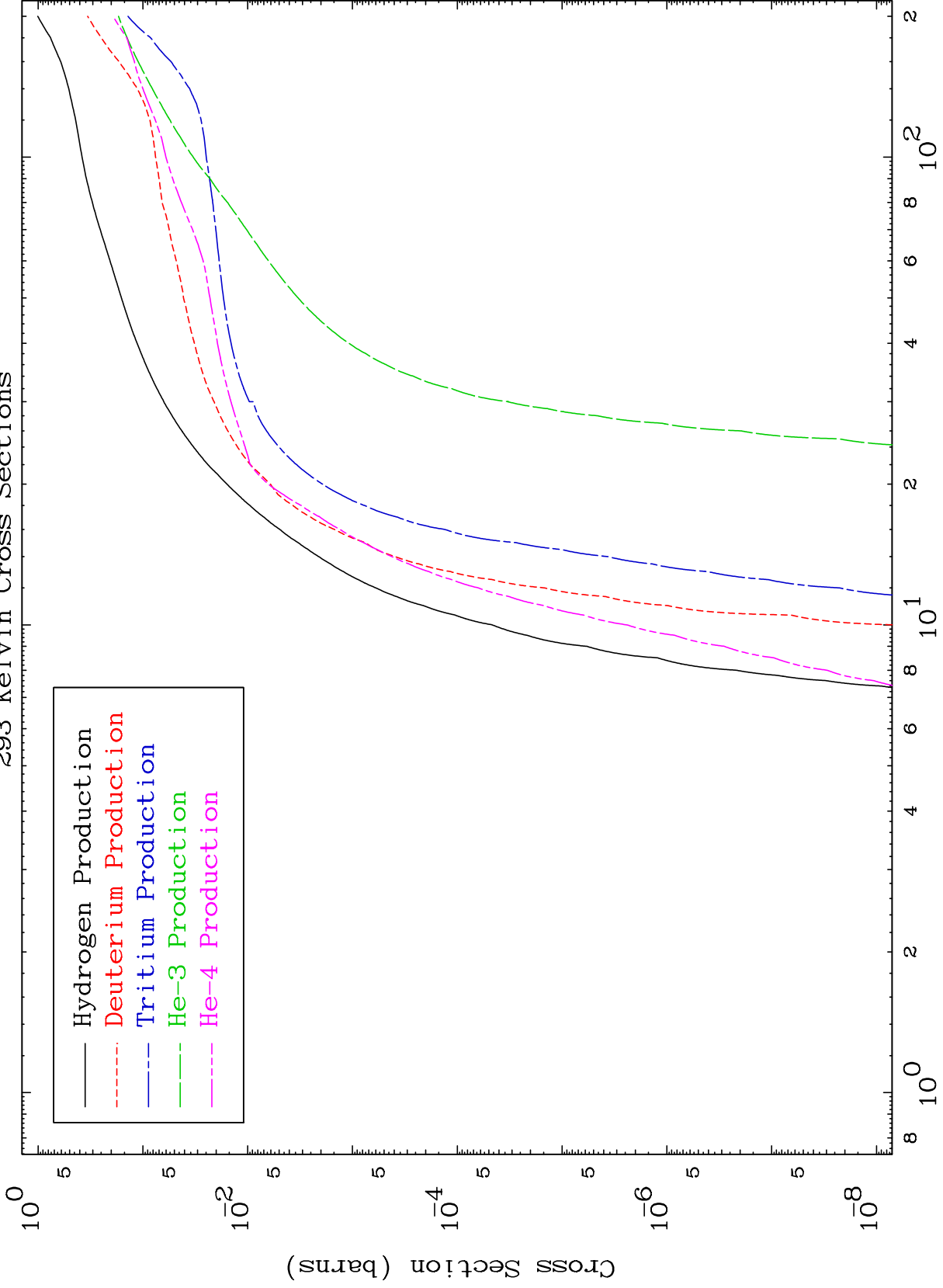
39-Y -95

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MAT 3943

Particle Production  
293 Kelvin Cross Sections

39-Y -95



39-Y -95

Incident Energy (MeV)

6

MAT 3943

(n,n') Level

39-Y -95

293 Kelvin Cross Sections

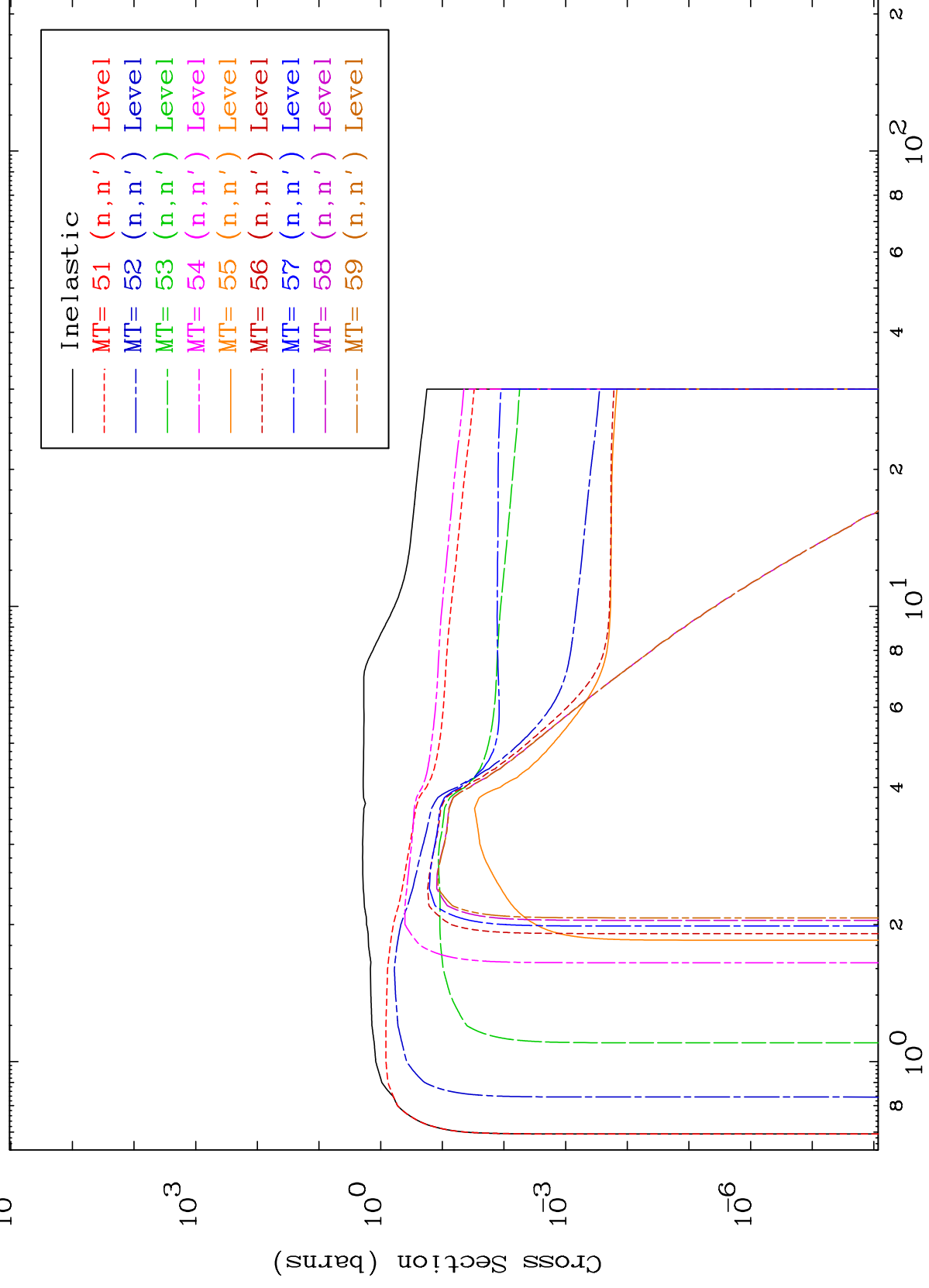
$10^6$

$10^3$

$10^0$

$10^{-3}$

$10^{-6}$



7

Incident Energy (MeV)

39-Y -95

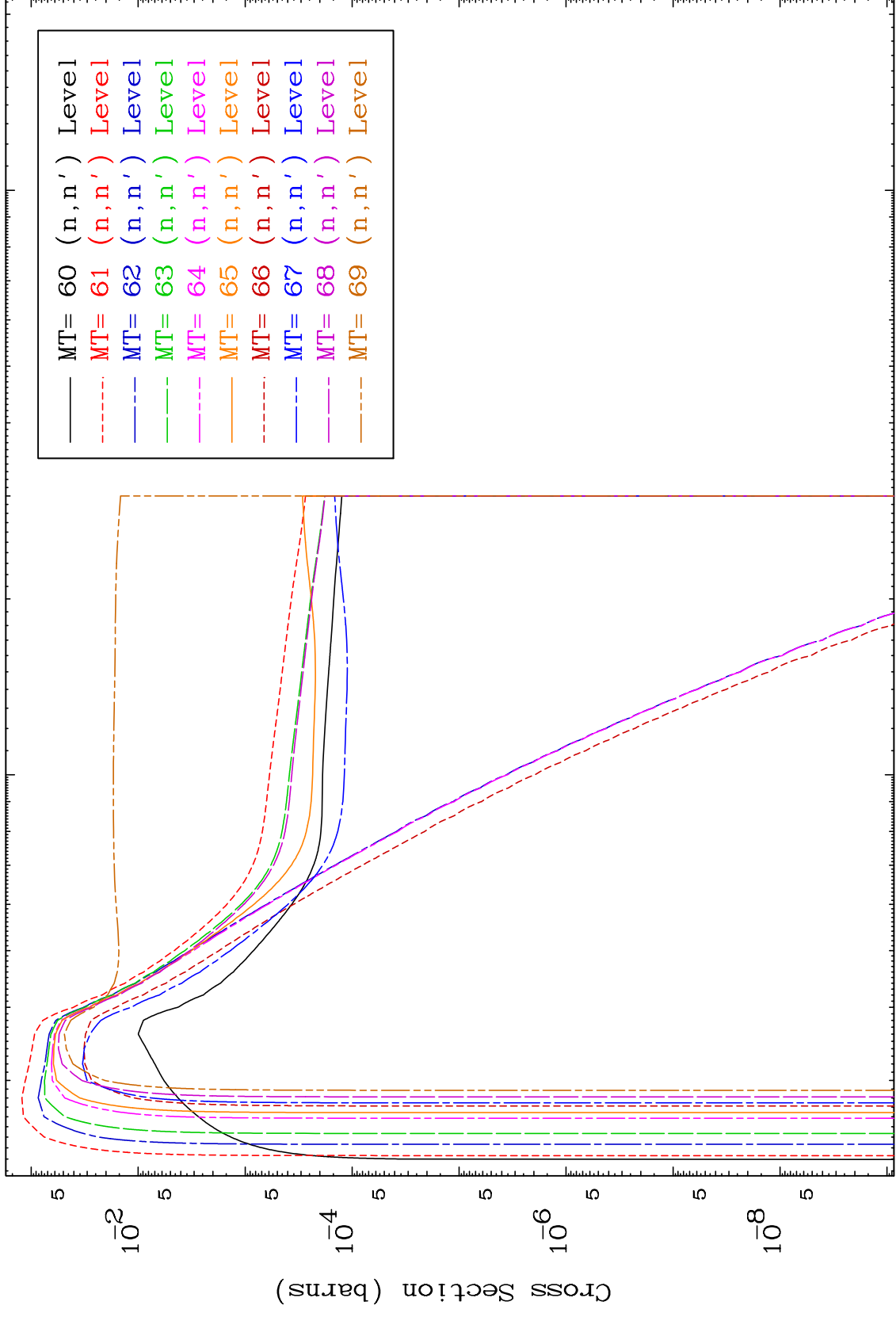


MAT 3943

(n,n') Level

39-Y -95

293 Kelvin Cross Sections



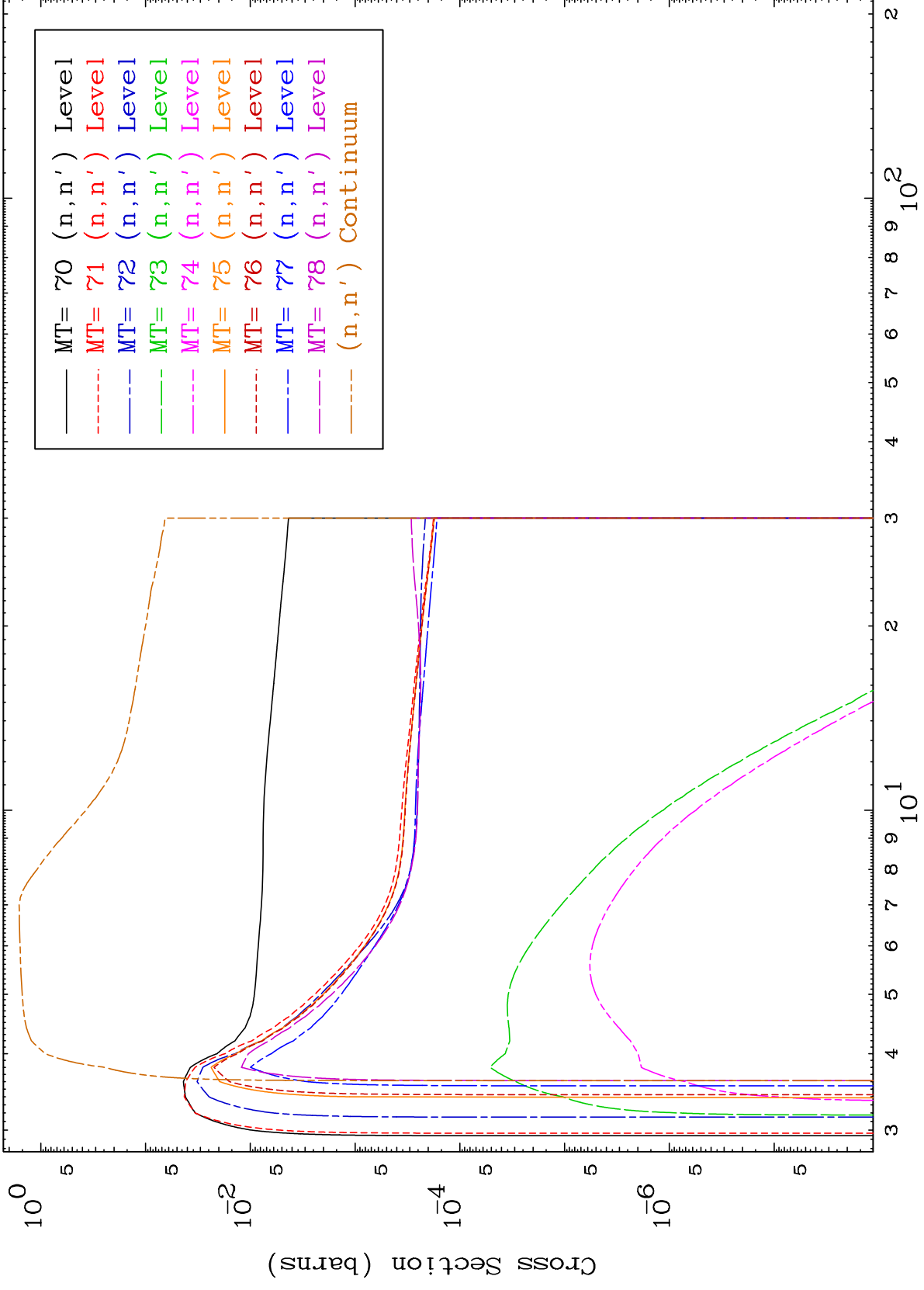
—	MT= 60	(n, n')	Level
- - -	MT= 61	(n, n')	Level
- . - .	MT= 62	(n, n')	Level
- - - -	MT= 63	(n, n')	Level
- . - . - .	MT= 64	(n, n')	Level
—	MT= 65	(n, n')	Level
- - -	MT= 66	(n, n')	Level
- . - .	MT= 67	(n, n')	Level
- . - . - .	MT= 68	(n, n')	Level
- - - -	MT= 69	(n, n')	Level

8

Incident Energy (MeV)

39-Y -95

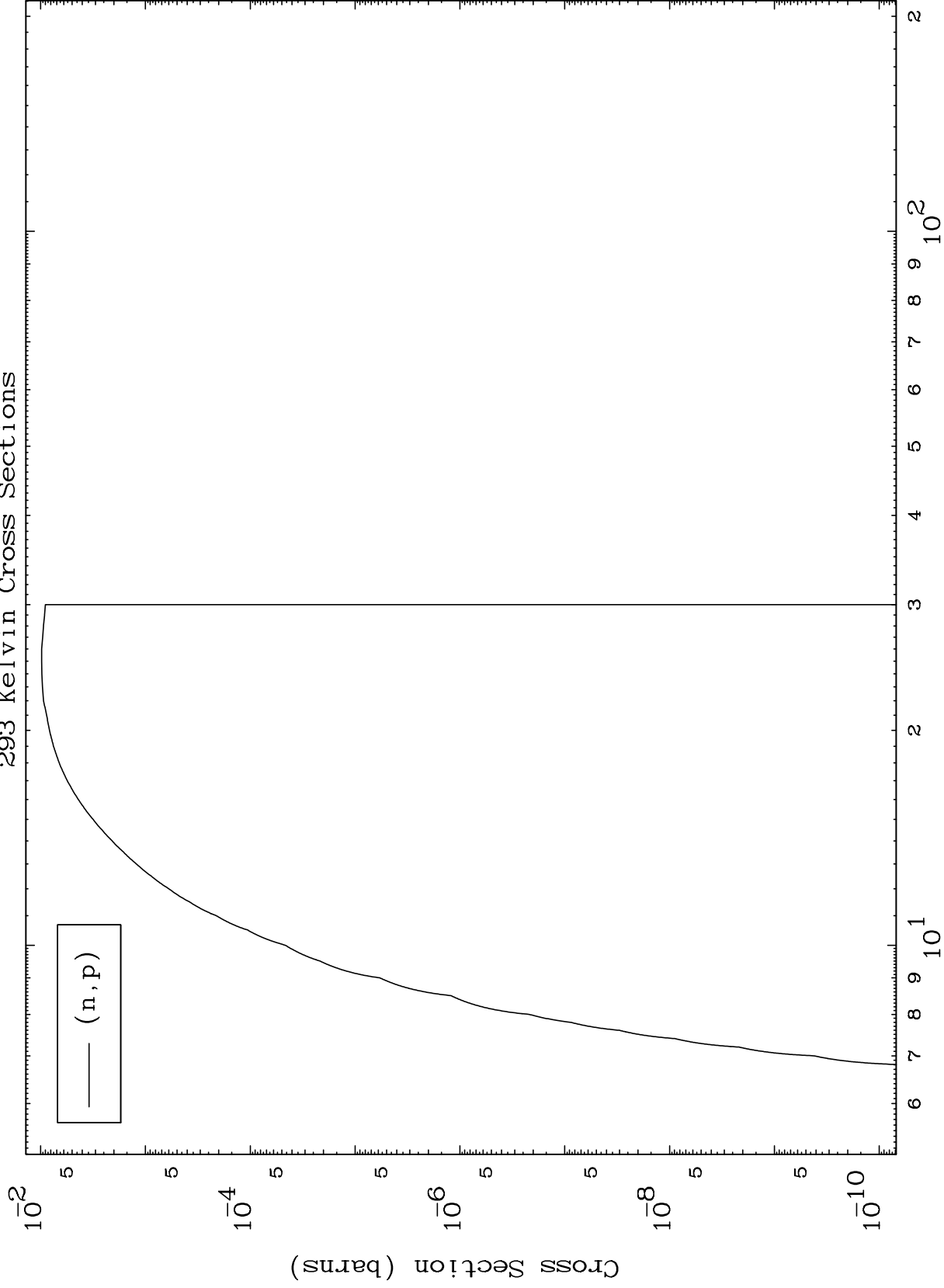
293 Kelvin Cross Sections



MAT 3943

(n,p) Levels  
293 Kelvin Cross Sections

39-Y -95



10

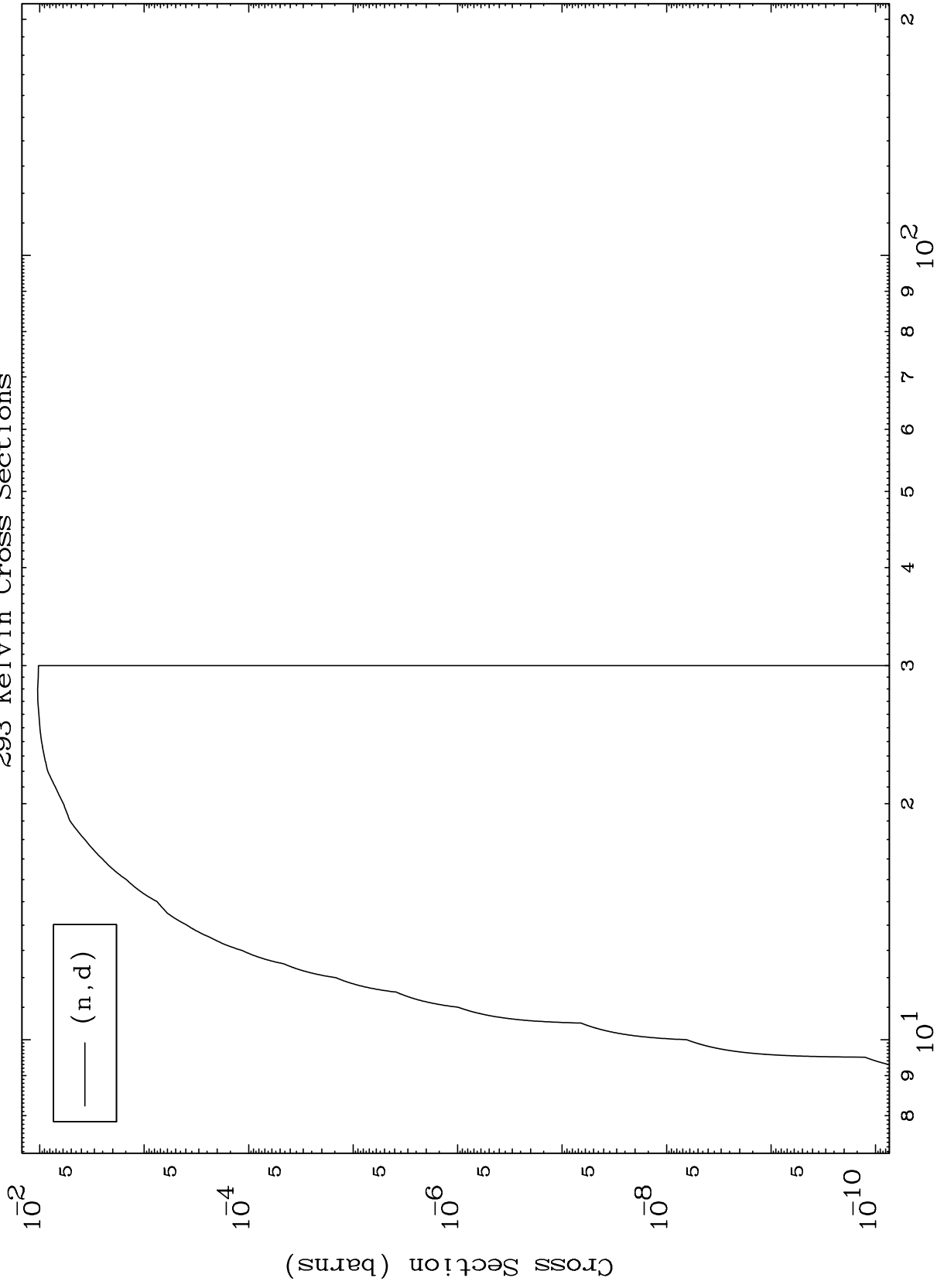
Incident Energy (MeV)

39-Y -95

MAT 3943

(n,d) Levels  
293 Kelvin Cross Sections

39-Y -95



11

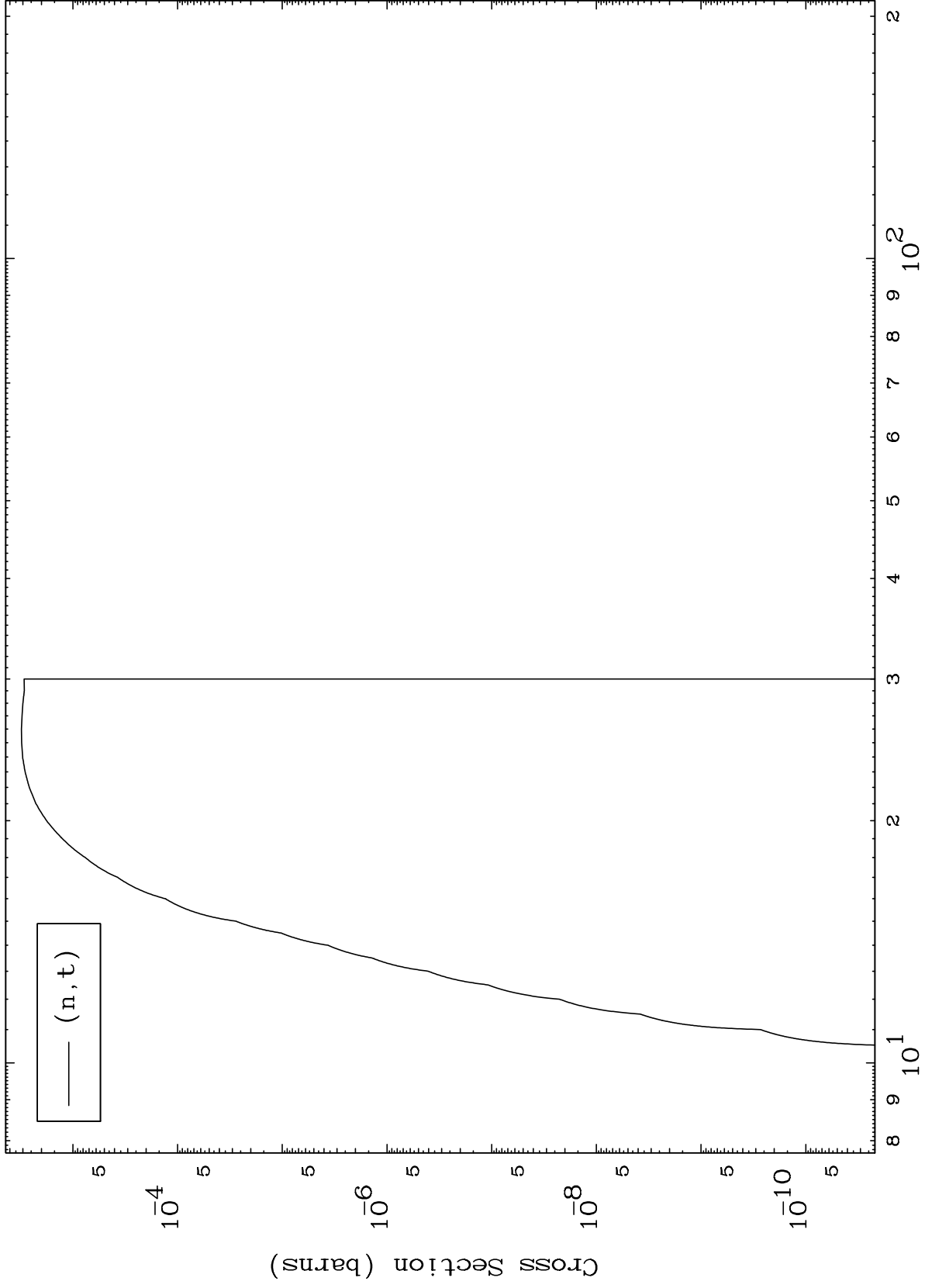
Incident Energy (MeV)

39-Y -95

MAT 3943

(n,t) Levels  
293 Kelvin Cross Sections

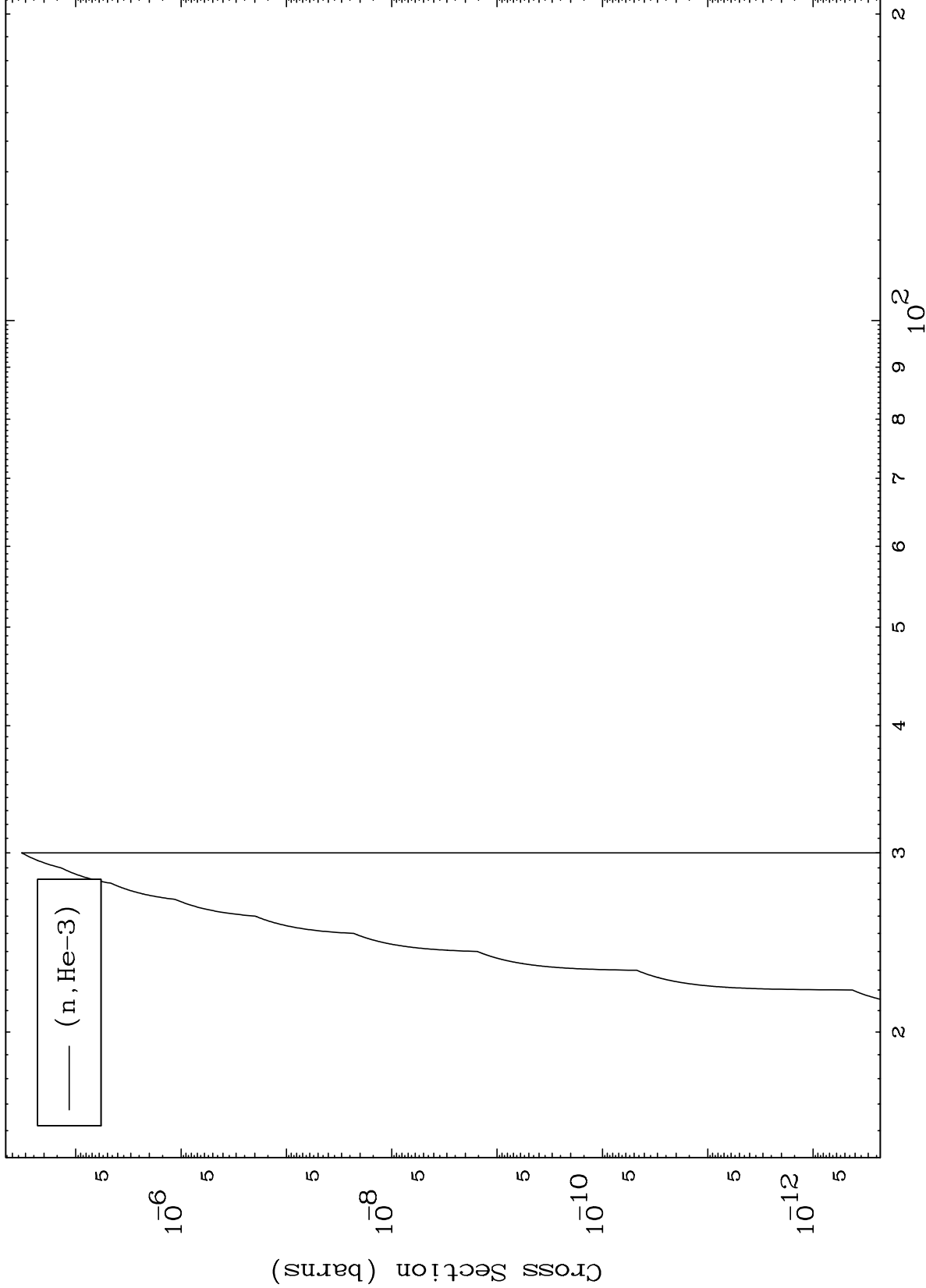
39-Y -95



12

Incident Energy (MeV)

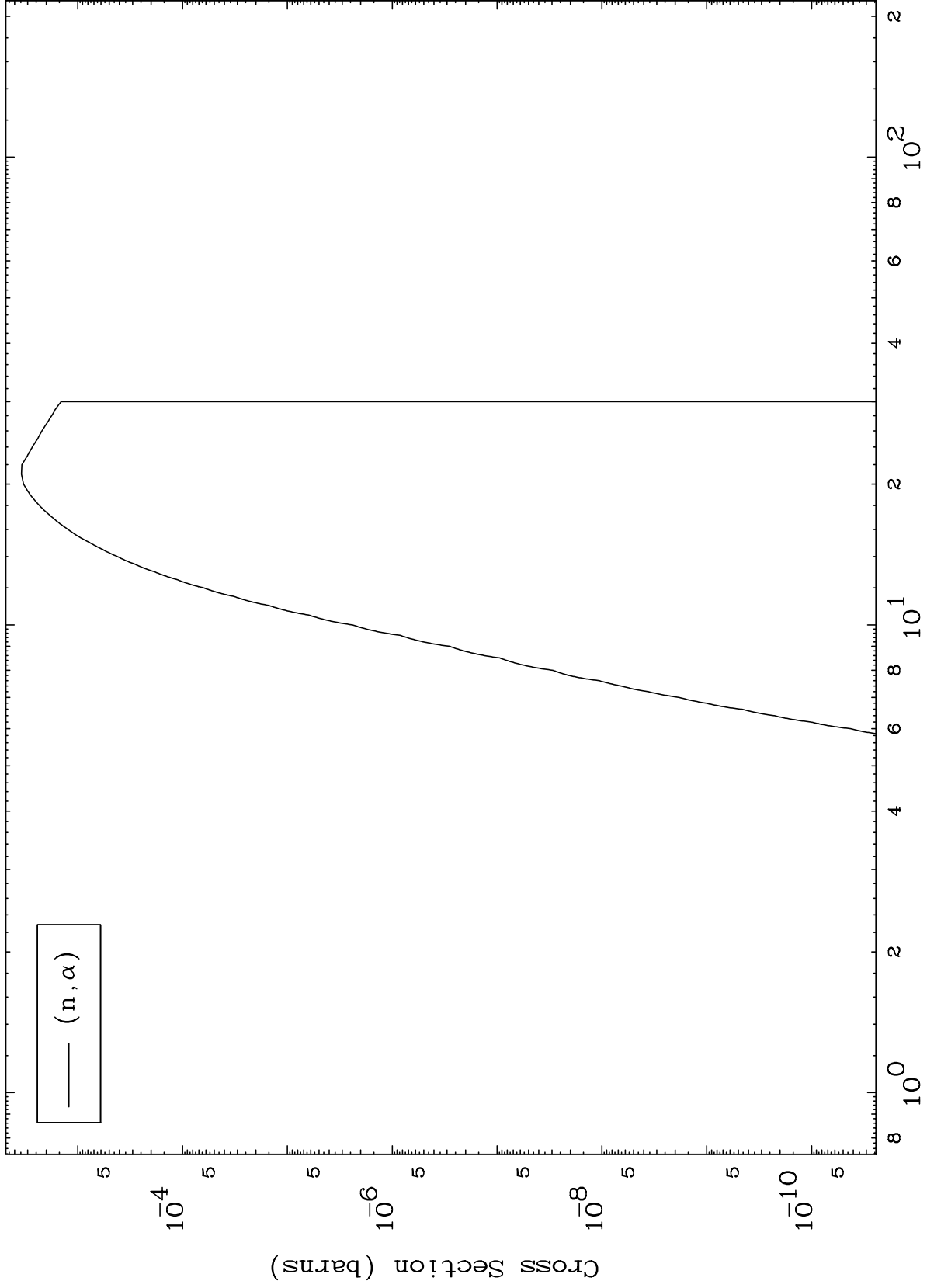
39-Y -95



MAT 3943

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

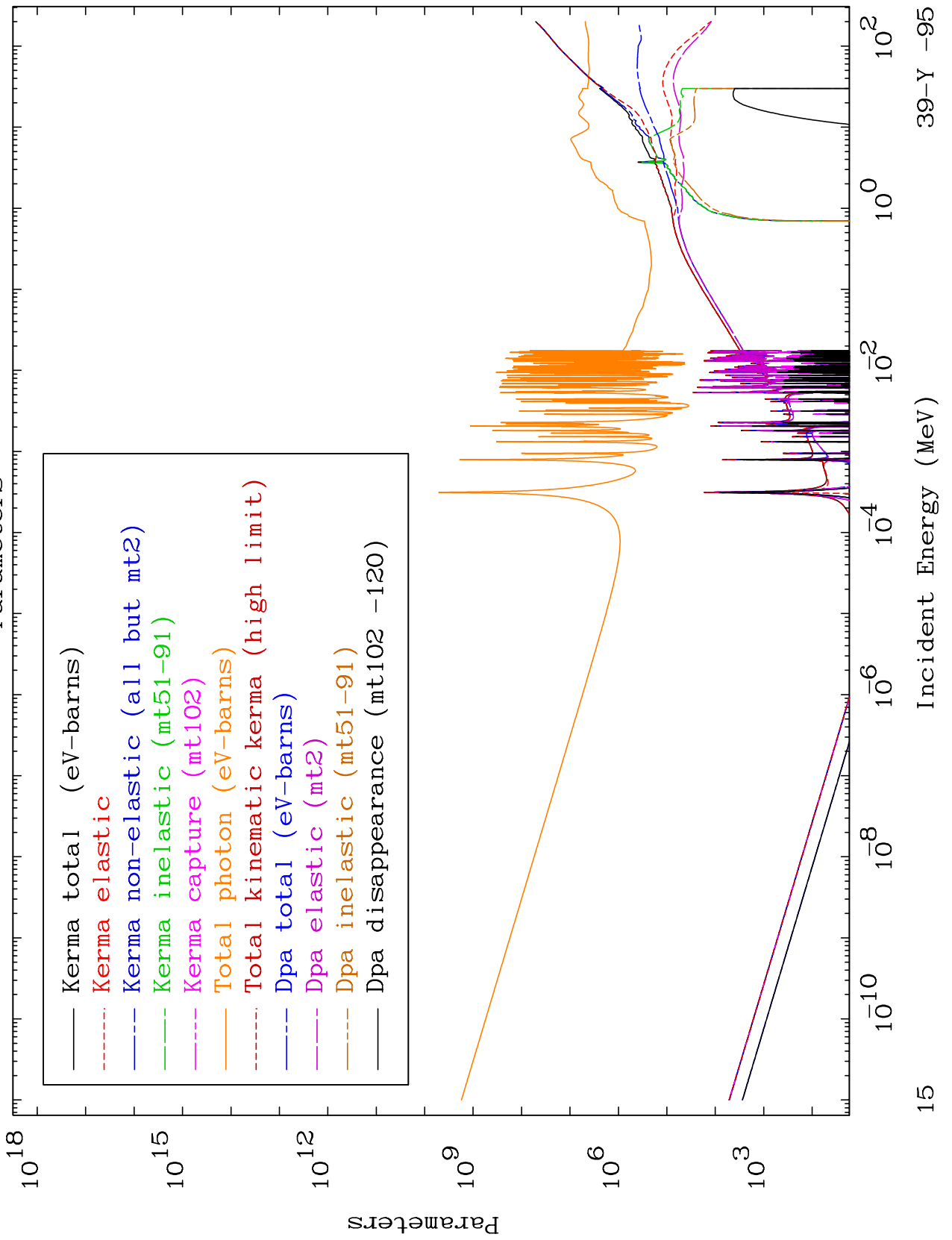
39-Y -95



14

Incident Energy (MeV)

39-Y -95

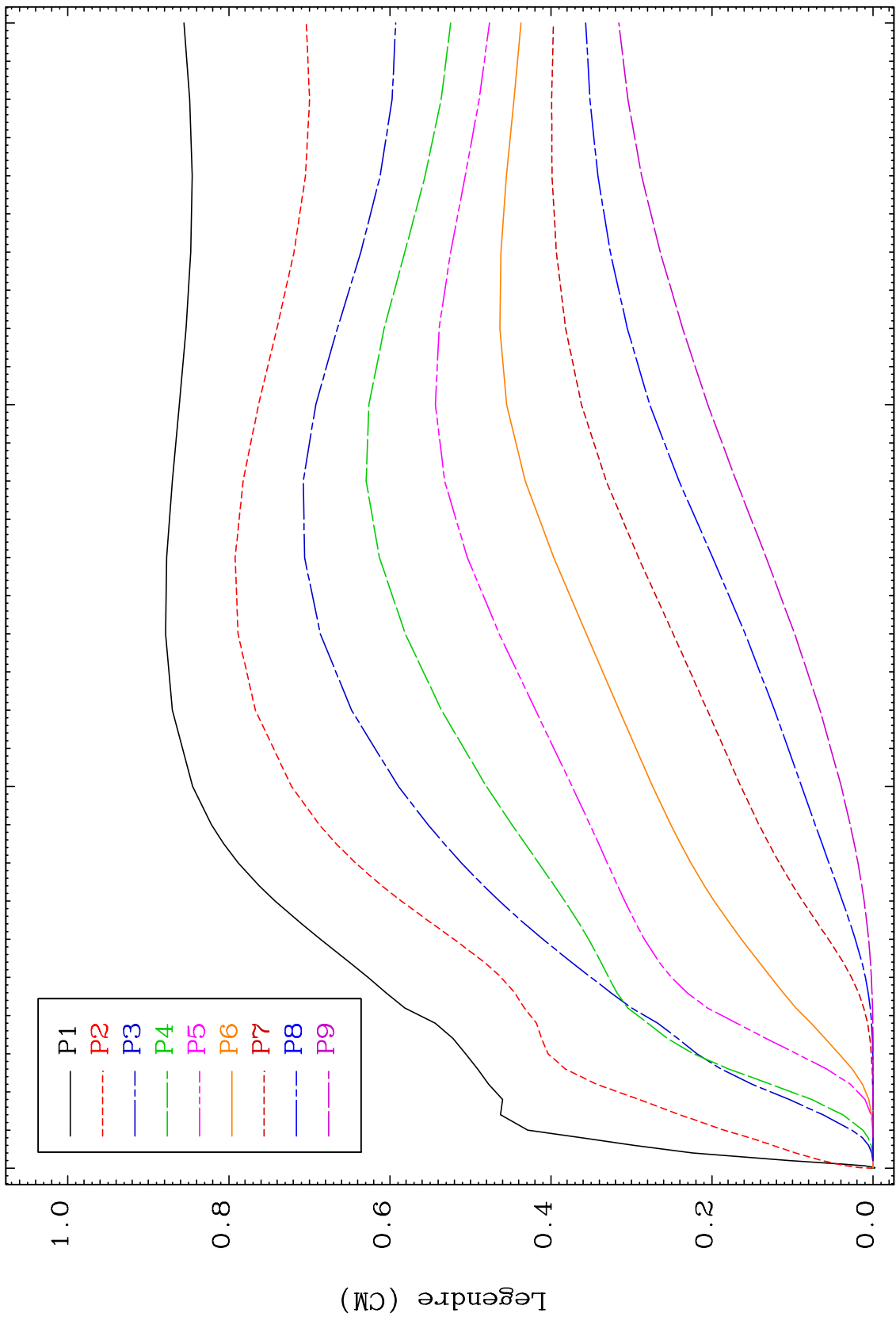




MAT 3943

Elastic Legendre Coefficients

39-Y -95



16

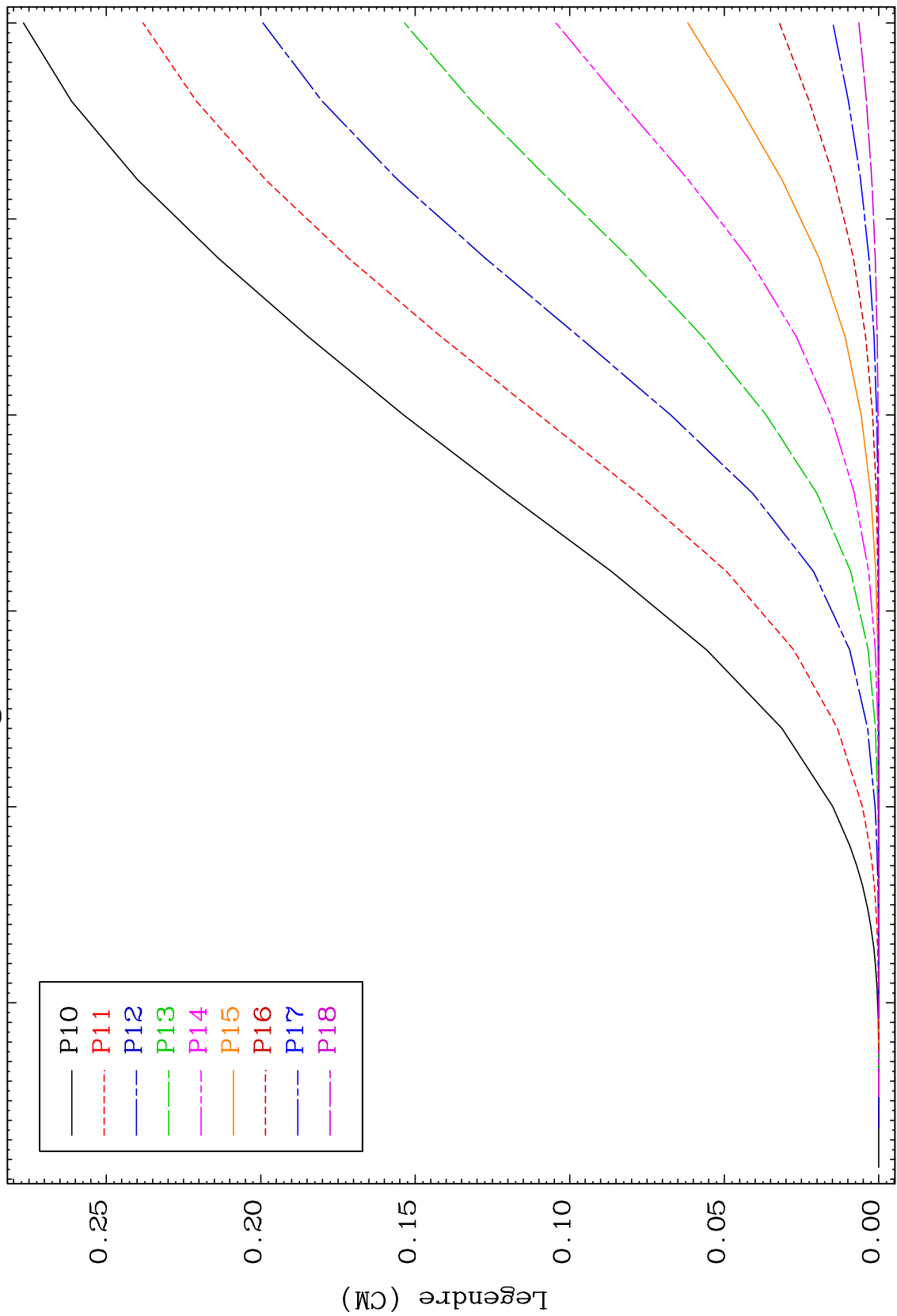
Incident Energy (MeV)

39-Y -95

MAT 3943

Elastic Legendre Coefficients

39-Y -95



17

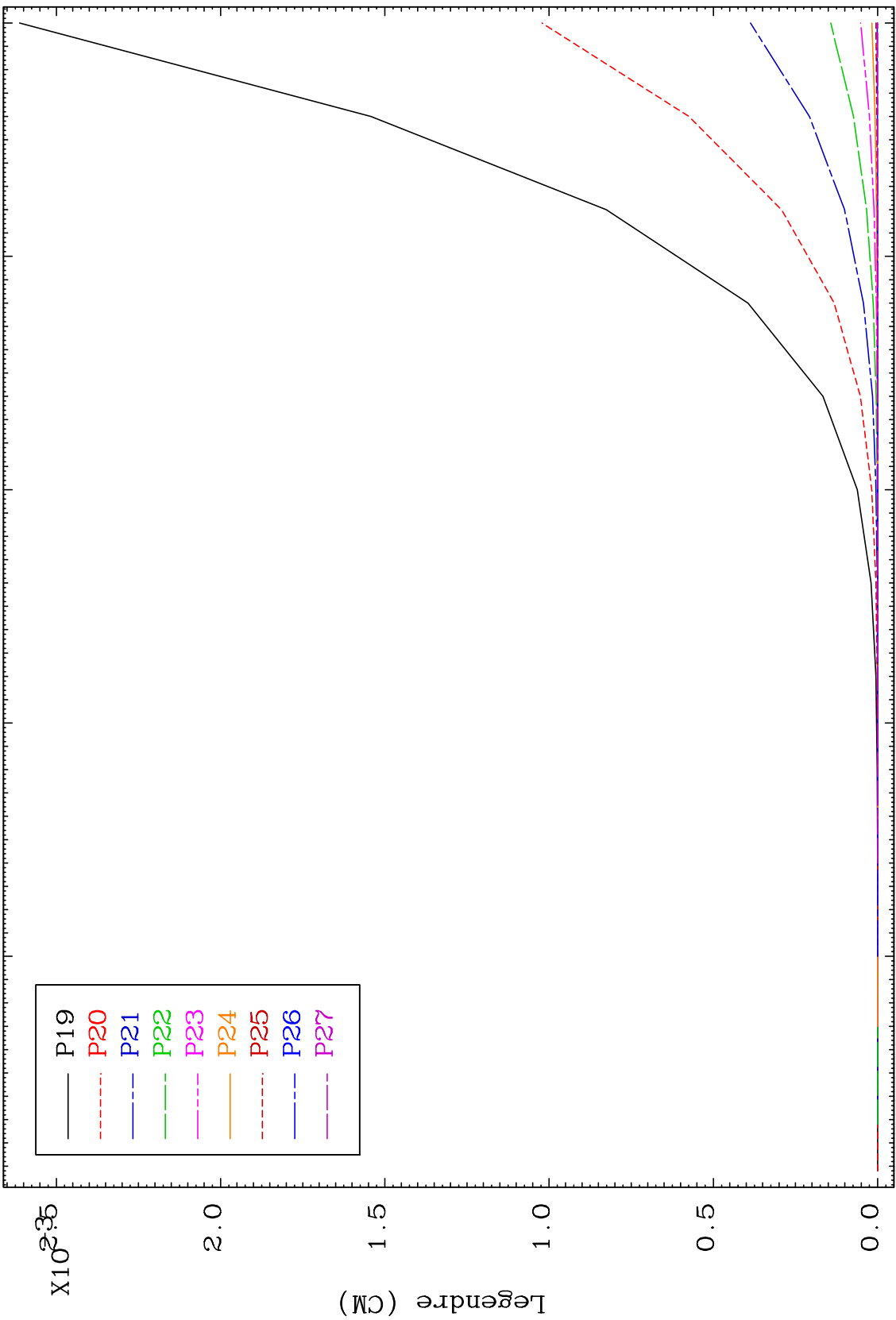
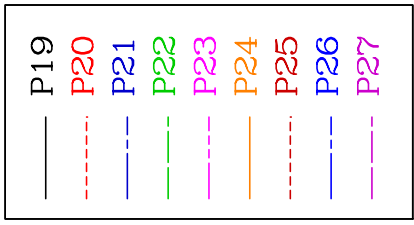
Incident Energy (MeV)

39-Y -95

MAT 3943

Elastic Legendre Coefficients

39-Y -95



30

25

20

15

10

18

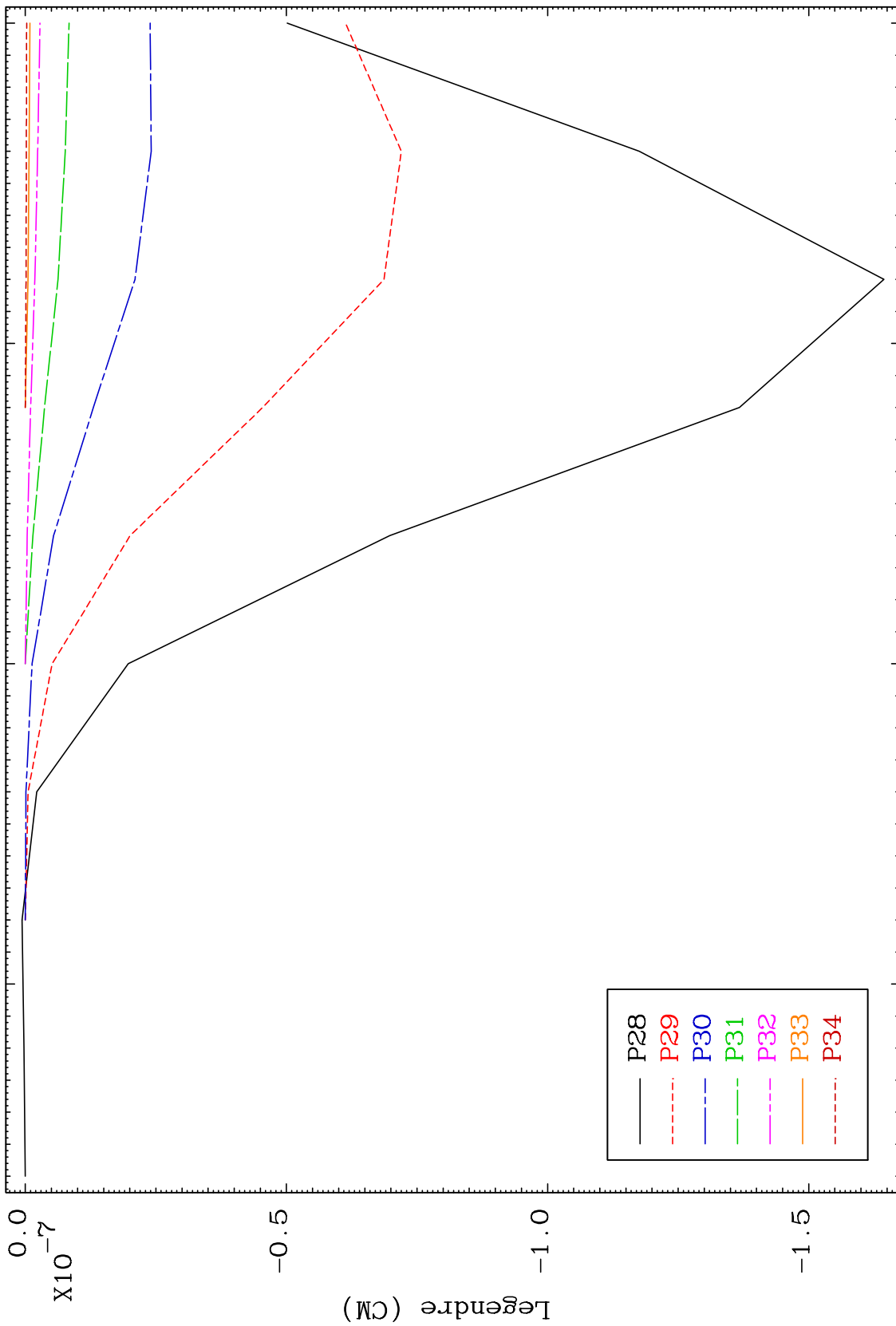
Incident Energy (MeV)

39-Y -95

MAT 3943

Elastic Legendre Coefficients

39-Y -95



19

Incident Energy (MeV)

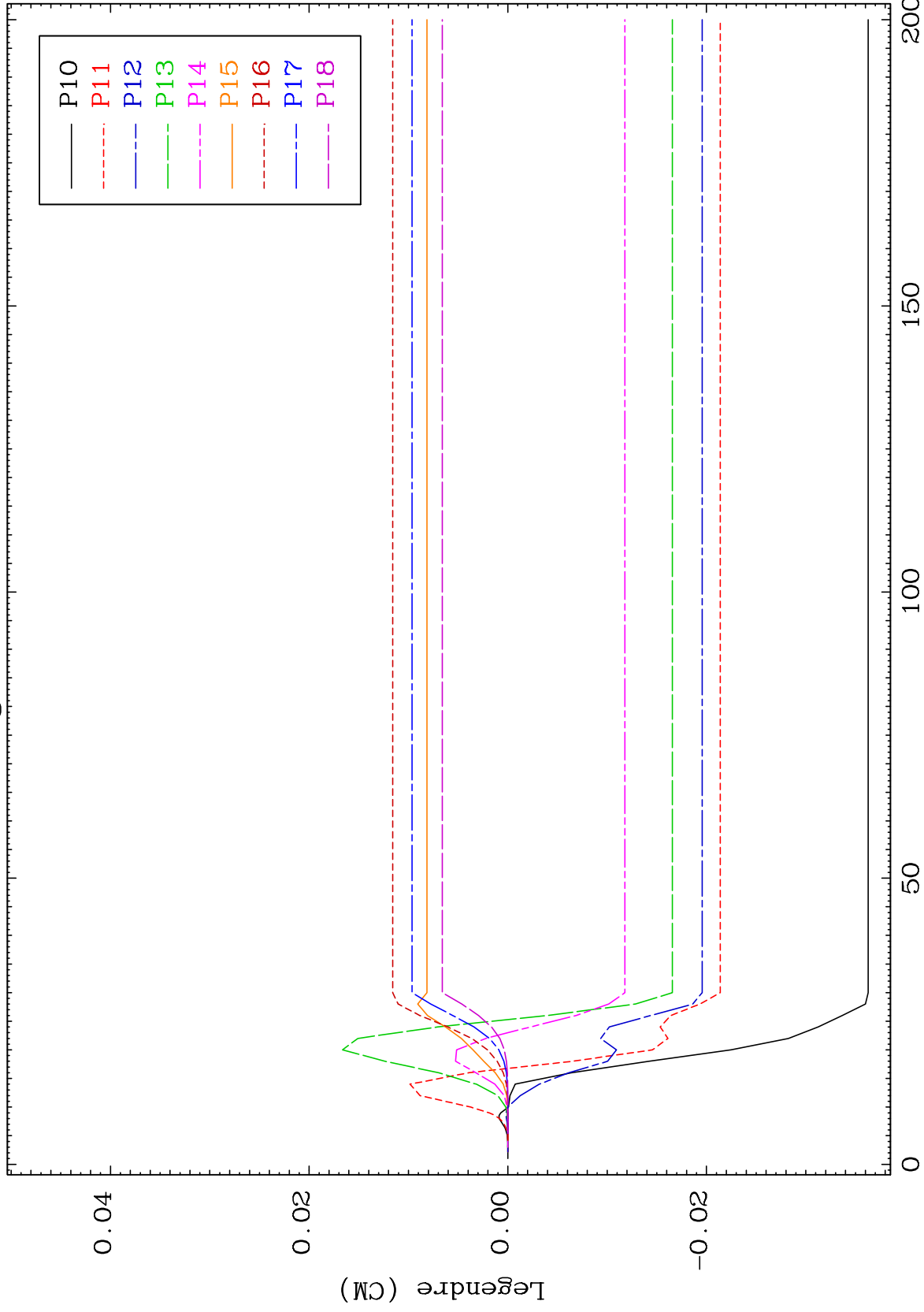
39-Y -95



MAT 3943

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

39-Y -95



21

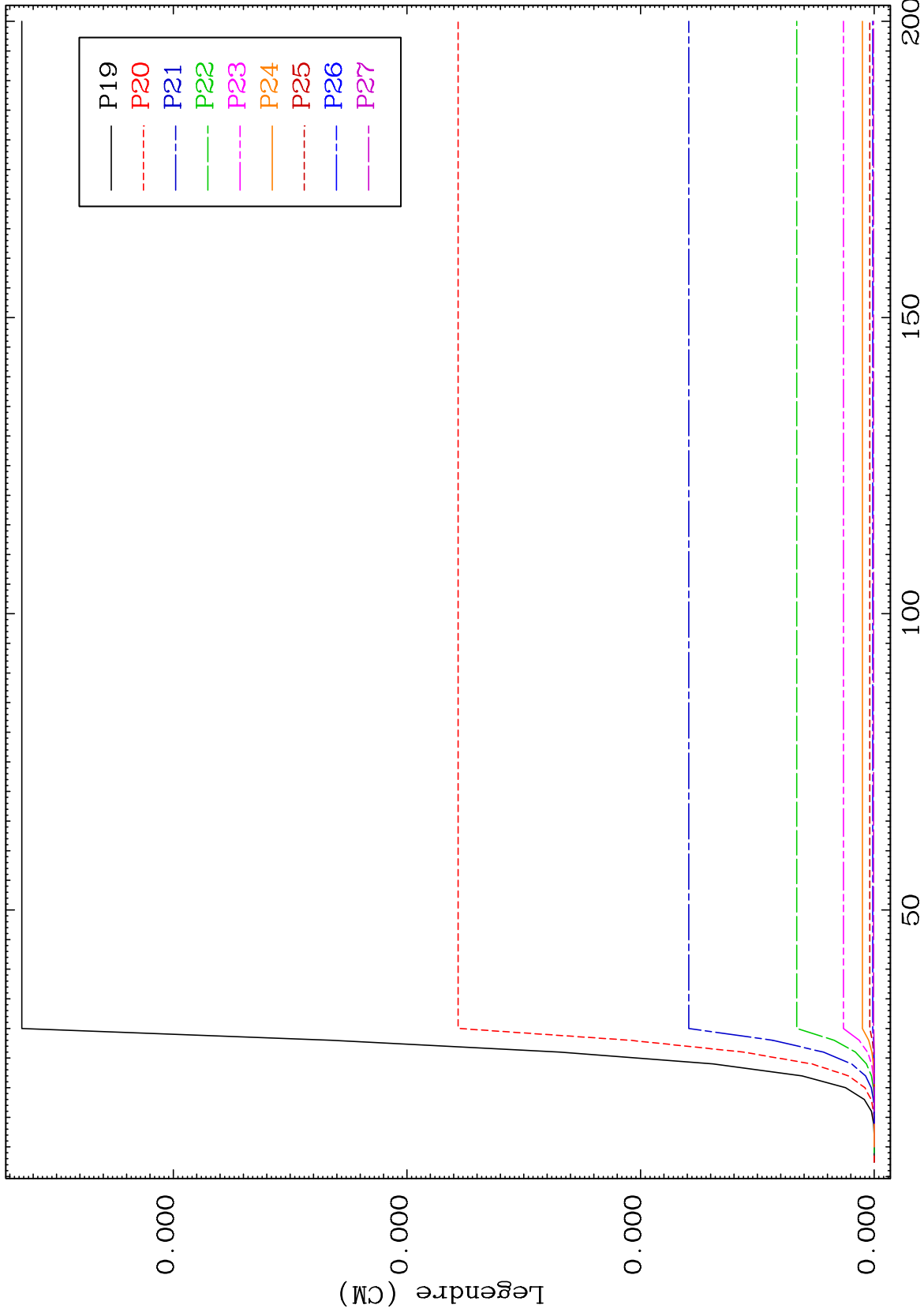
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



22

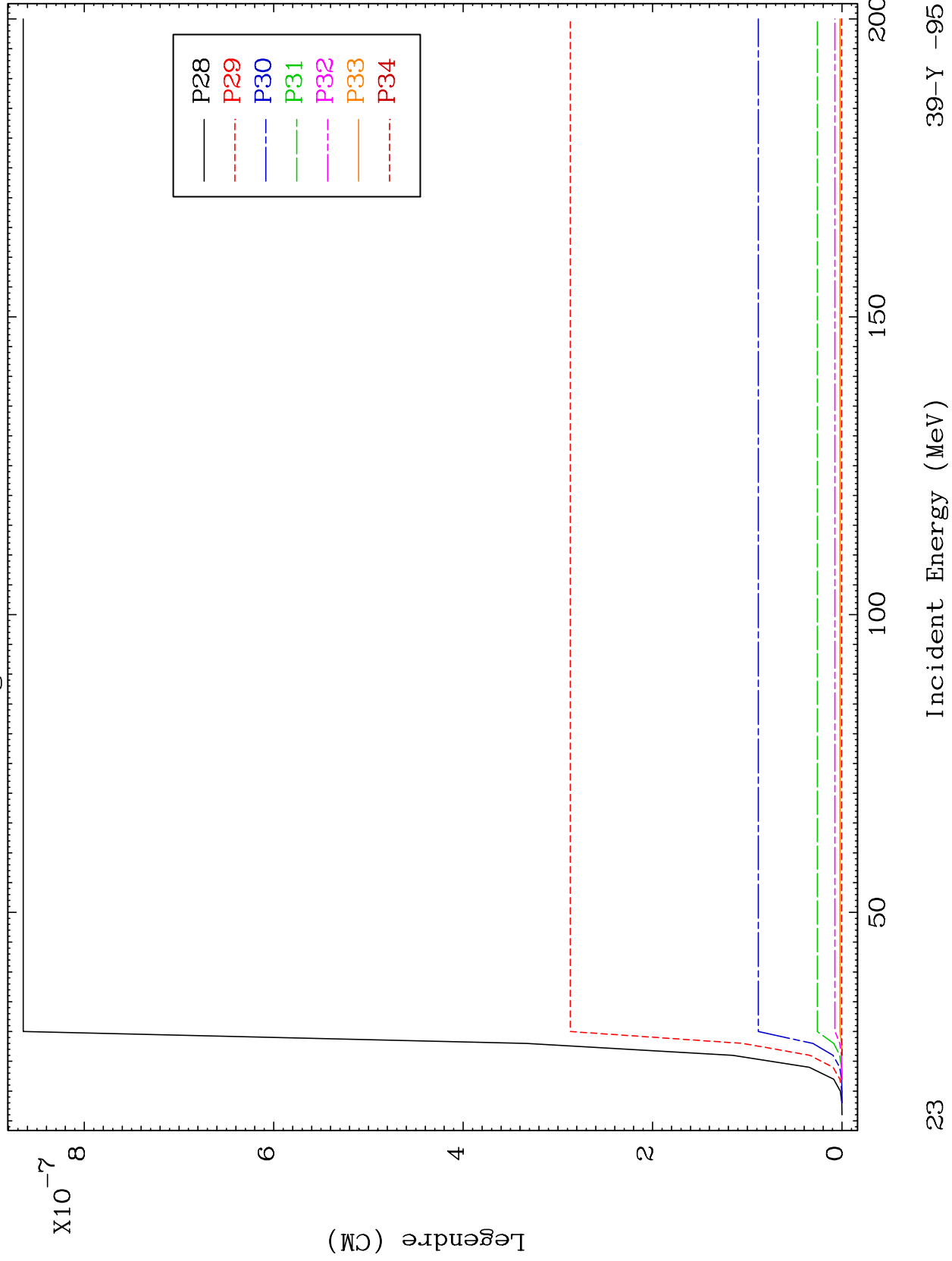
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95

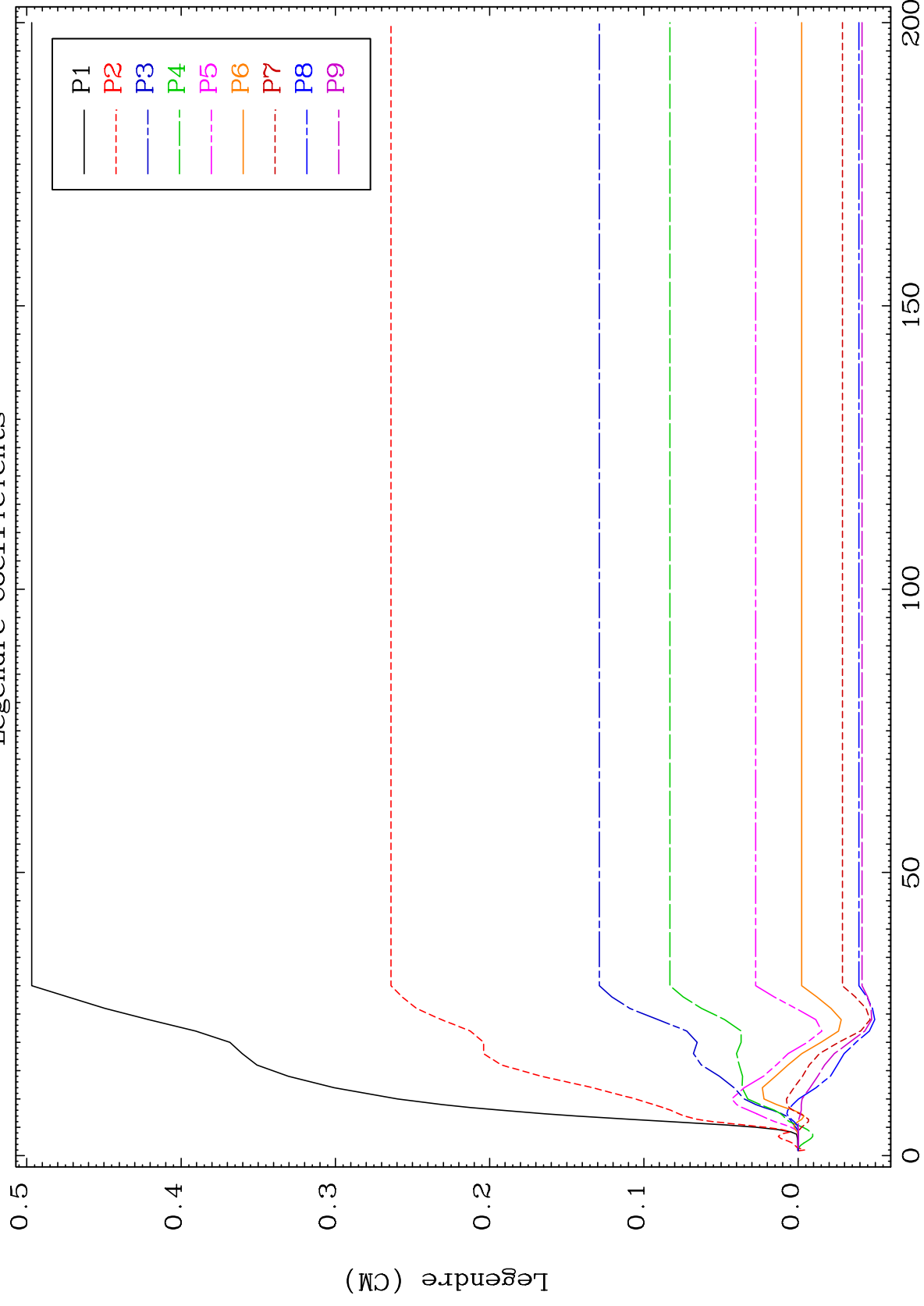




MAT 3943

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

39-Y -95



24

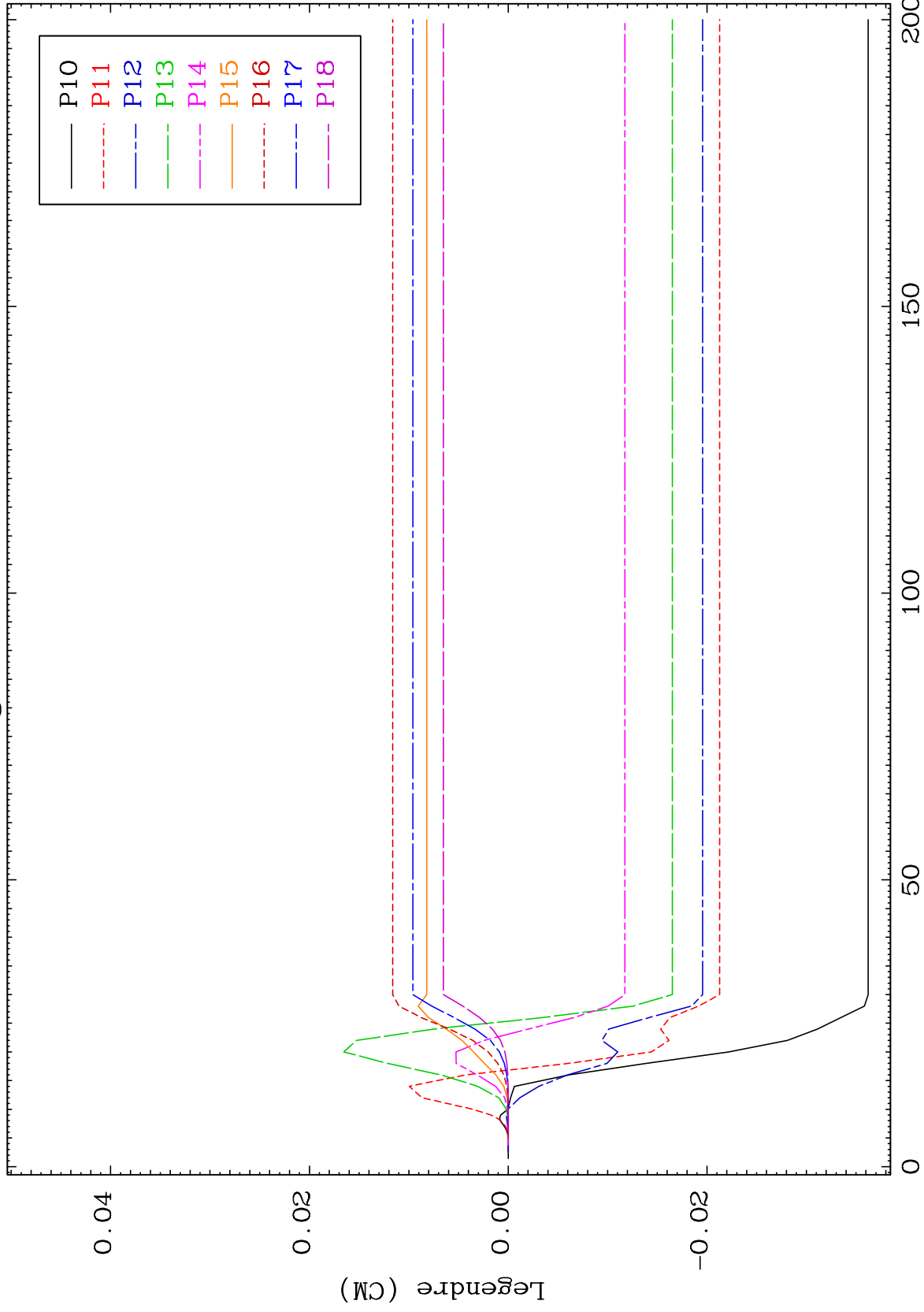
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



25

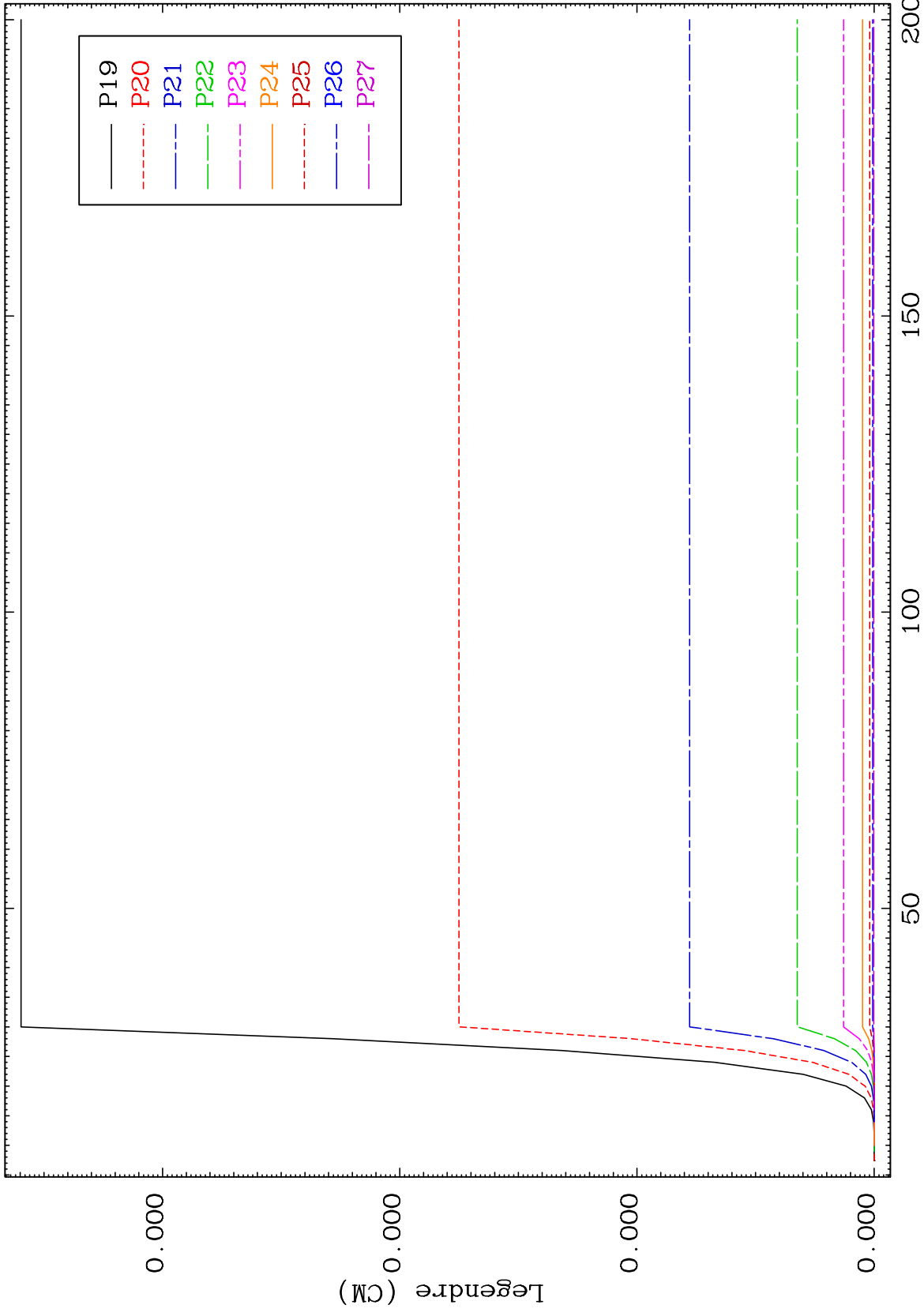
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



26

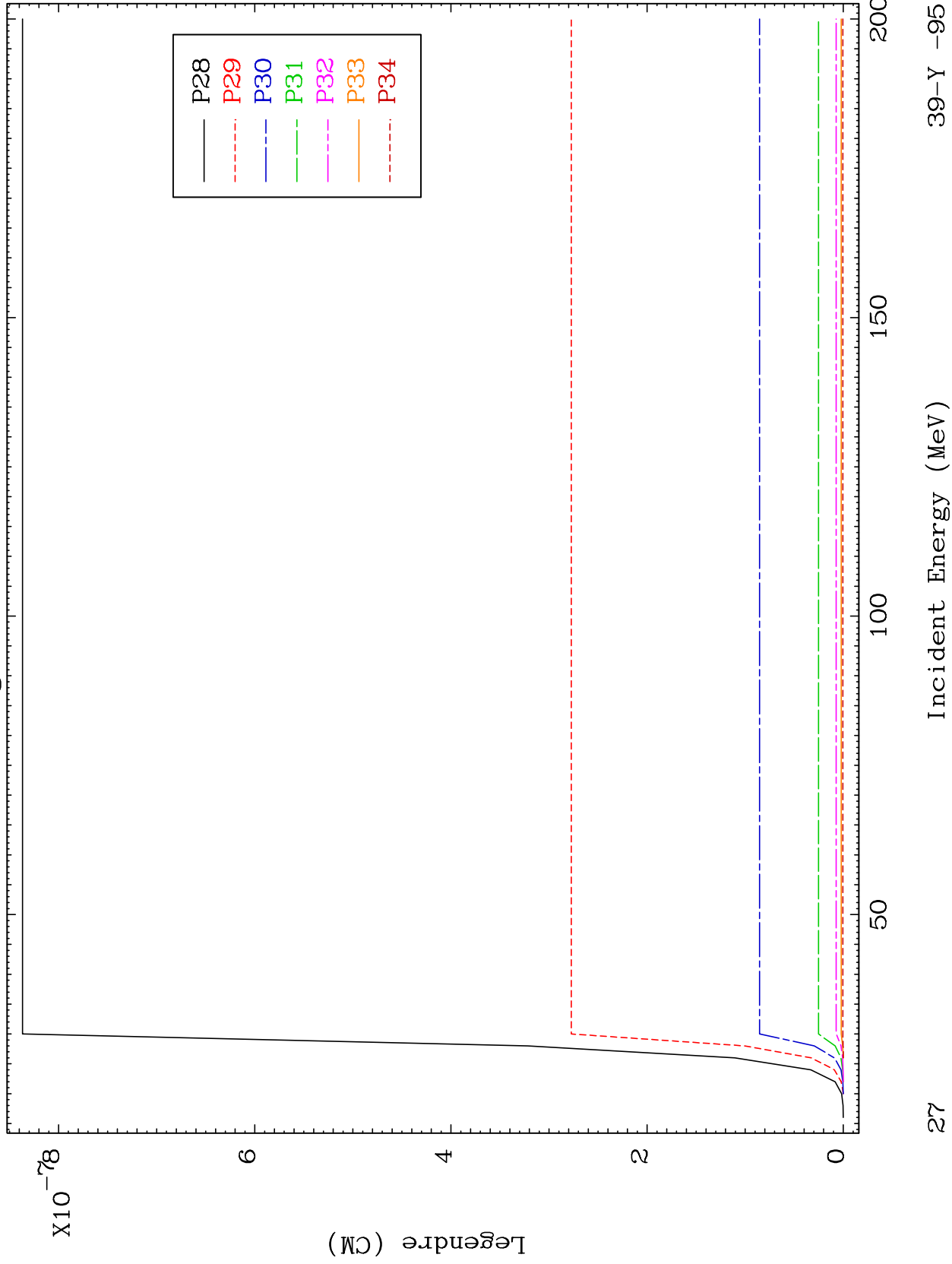
Incident Energy (MeV)

39-Y -95

MAT 3943

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

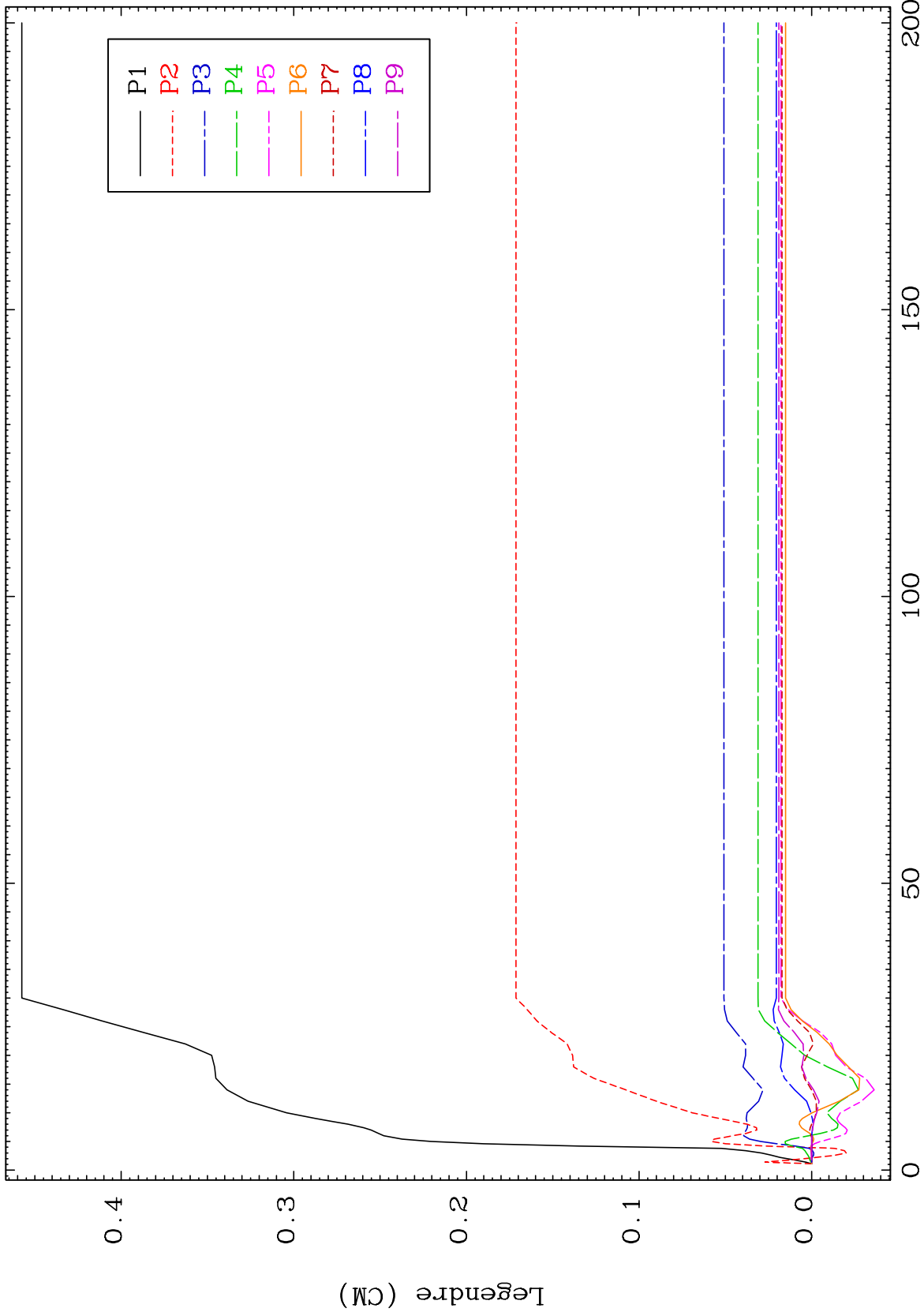
39-Y -95



MAT 3943

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

39-Y -95



28

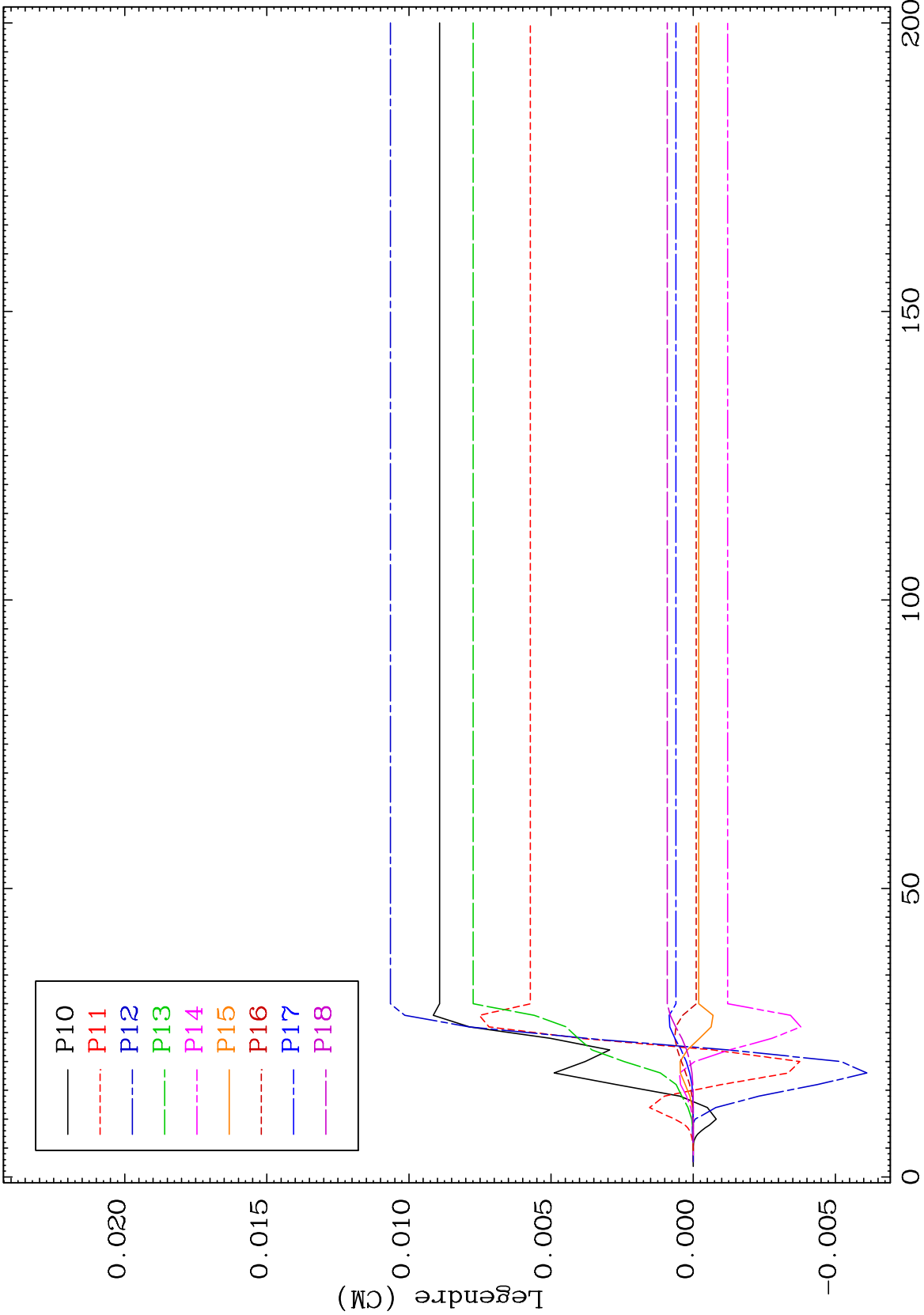
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



29

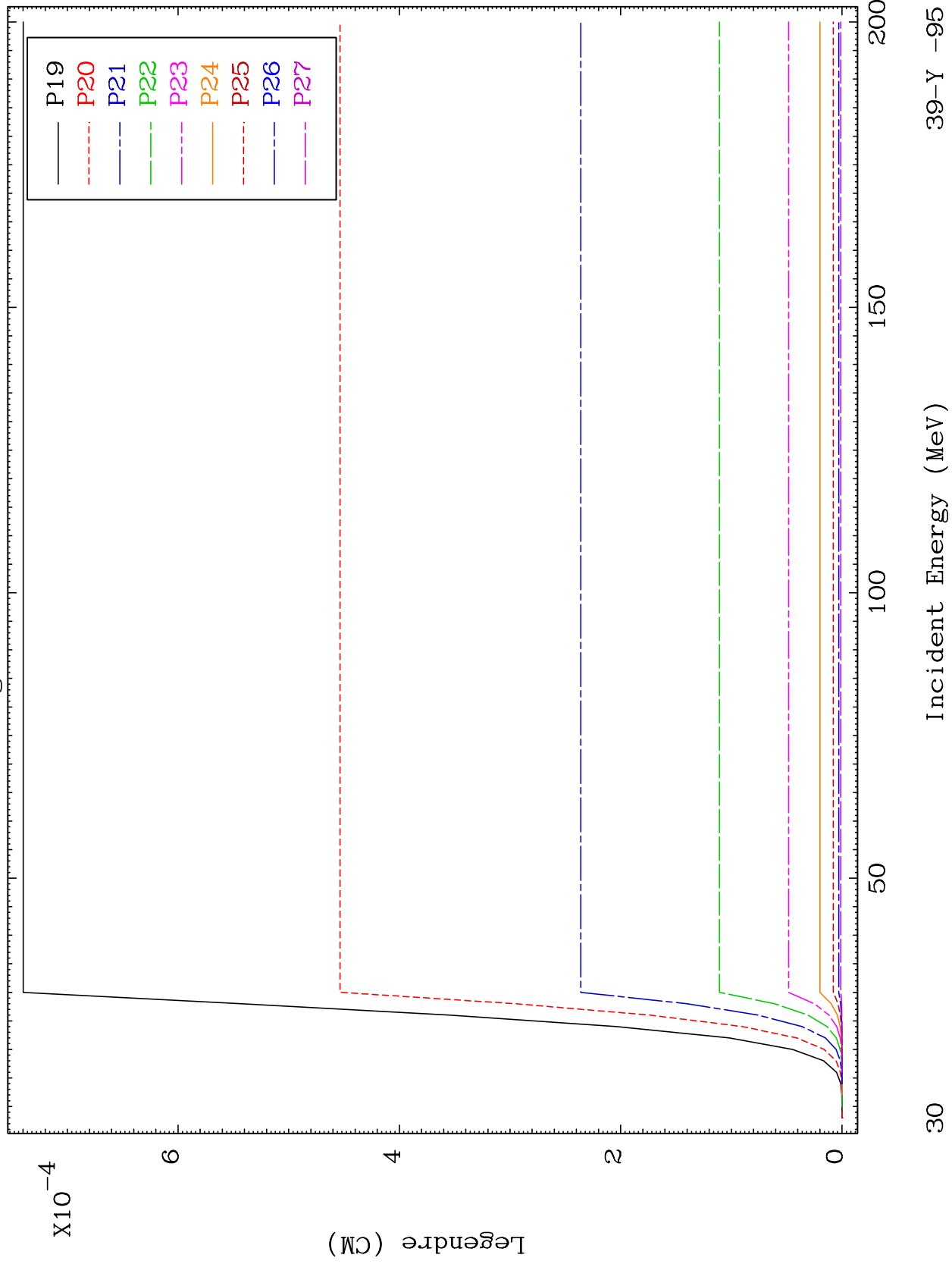
Incident Energy (MeV)

39-Y -95

MAT 3943

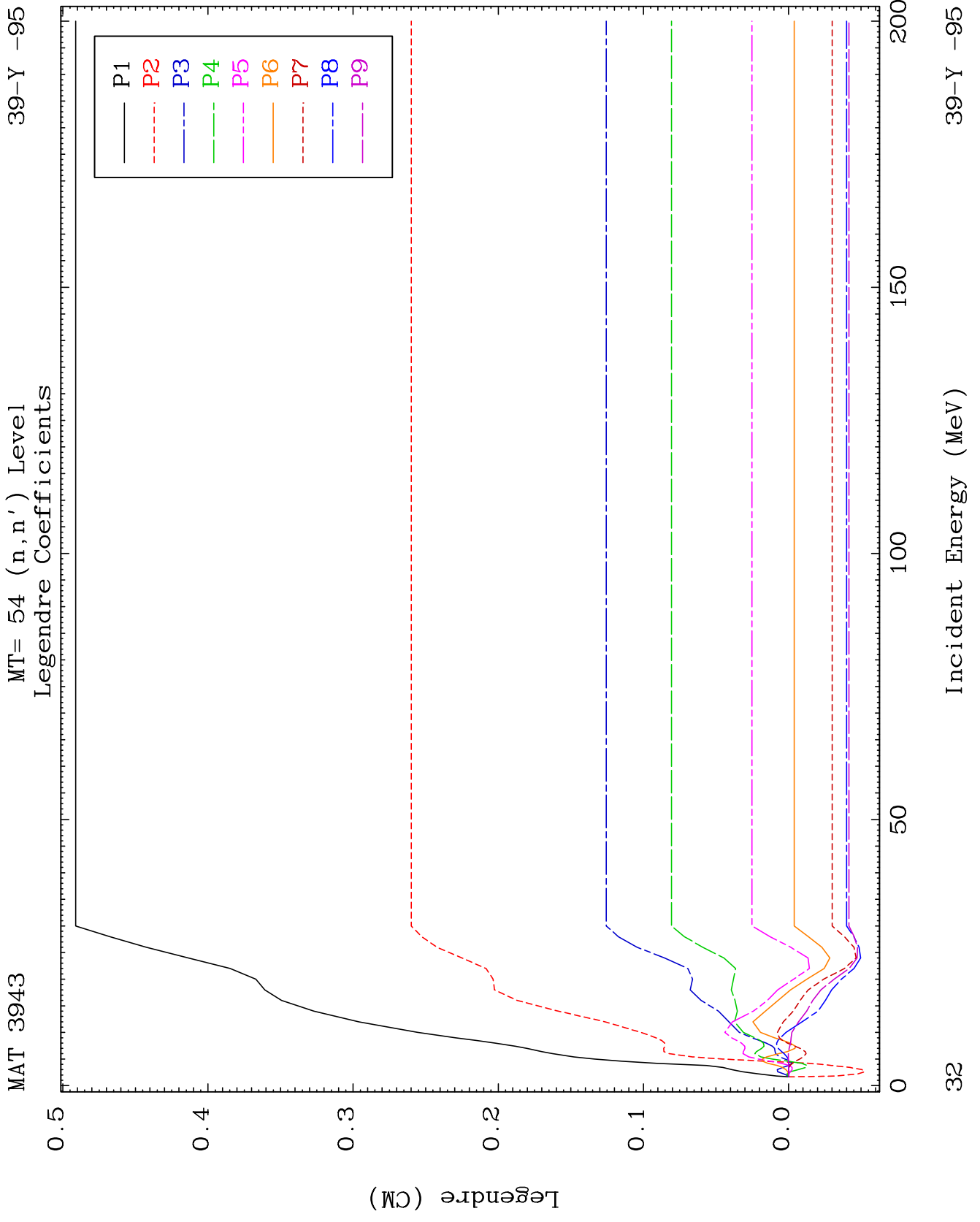
MT= 53 (n,n') Level  
Legendre Coefficients

39-Y -95





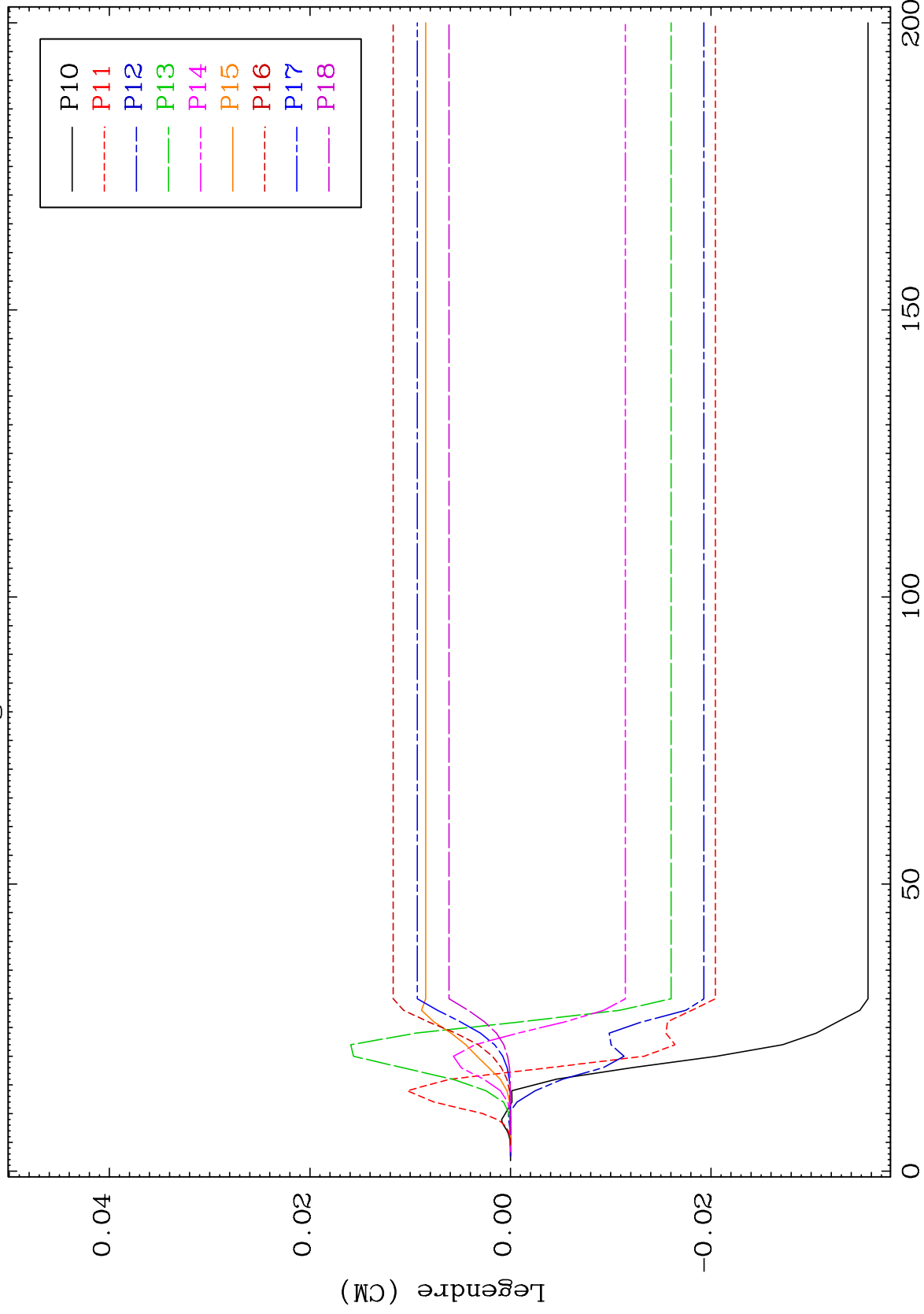




MAT 3943

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

39-Y -95



33

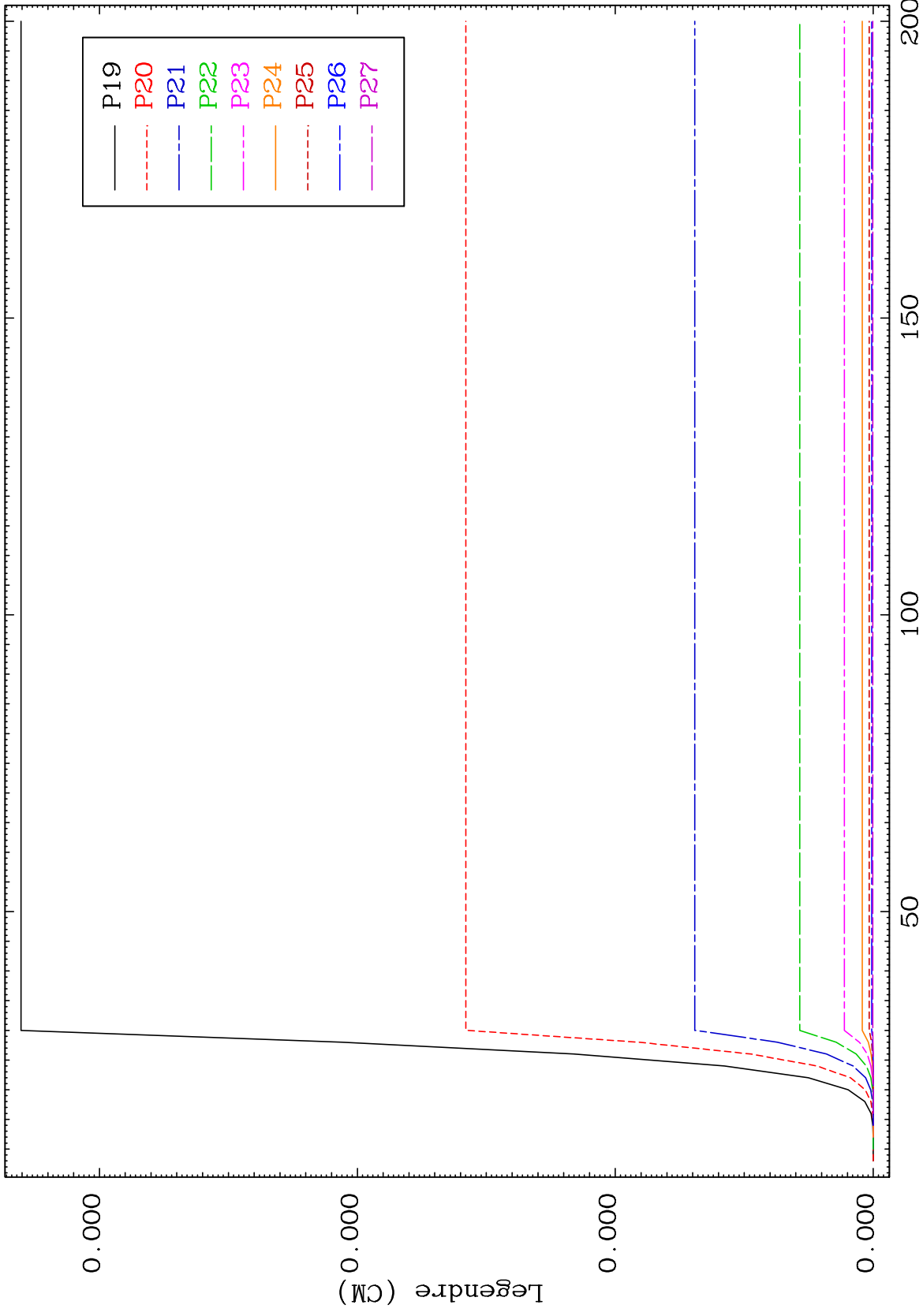
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



34

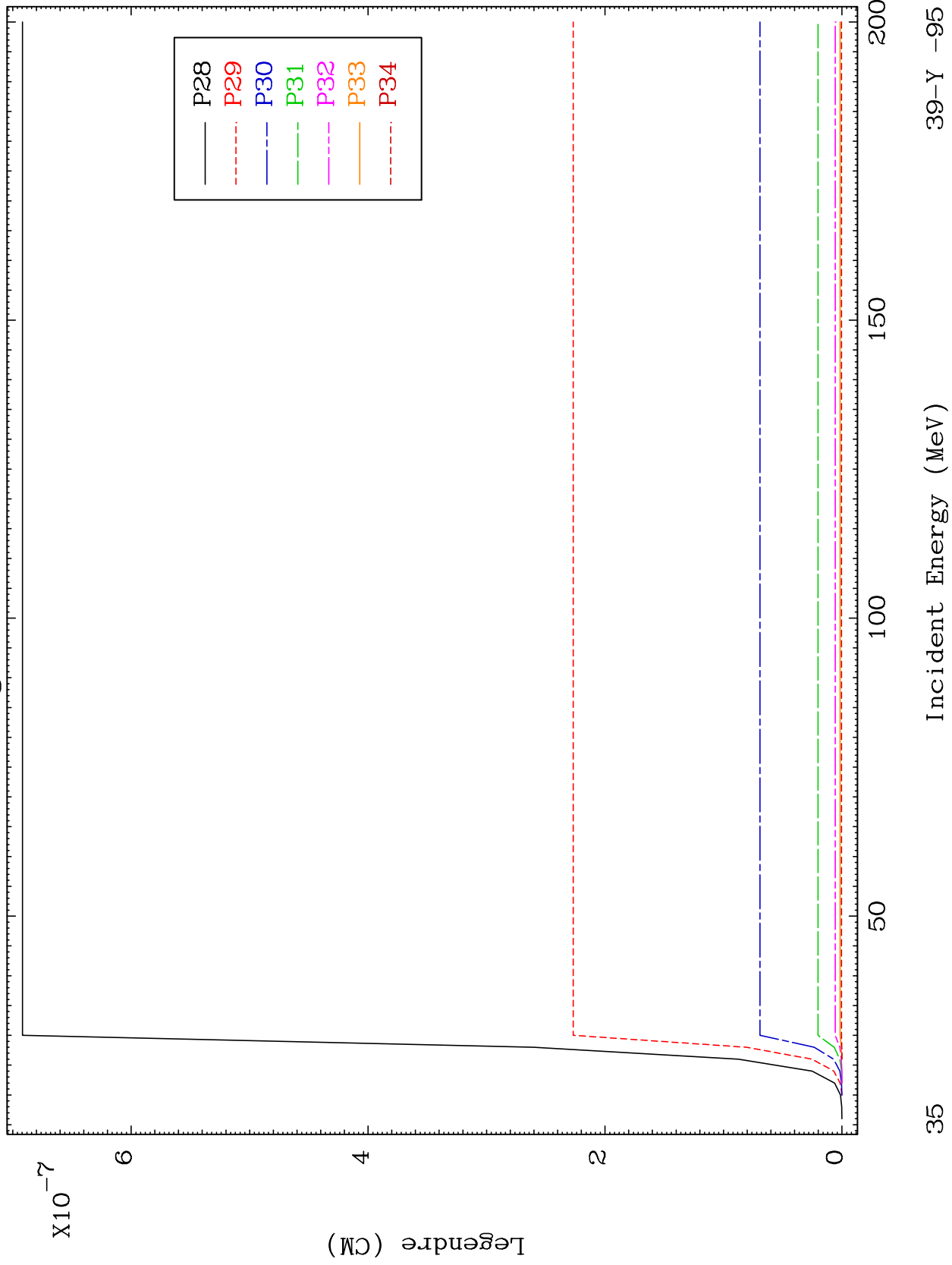
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



35

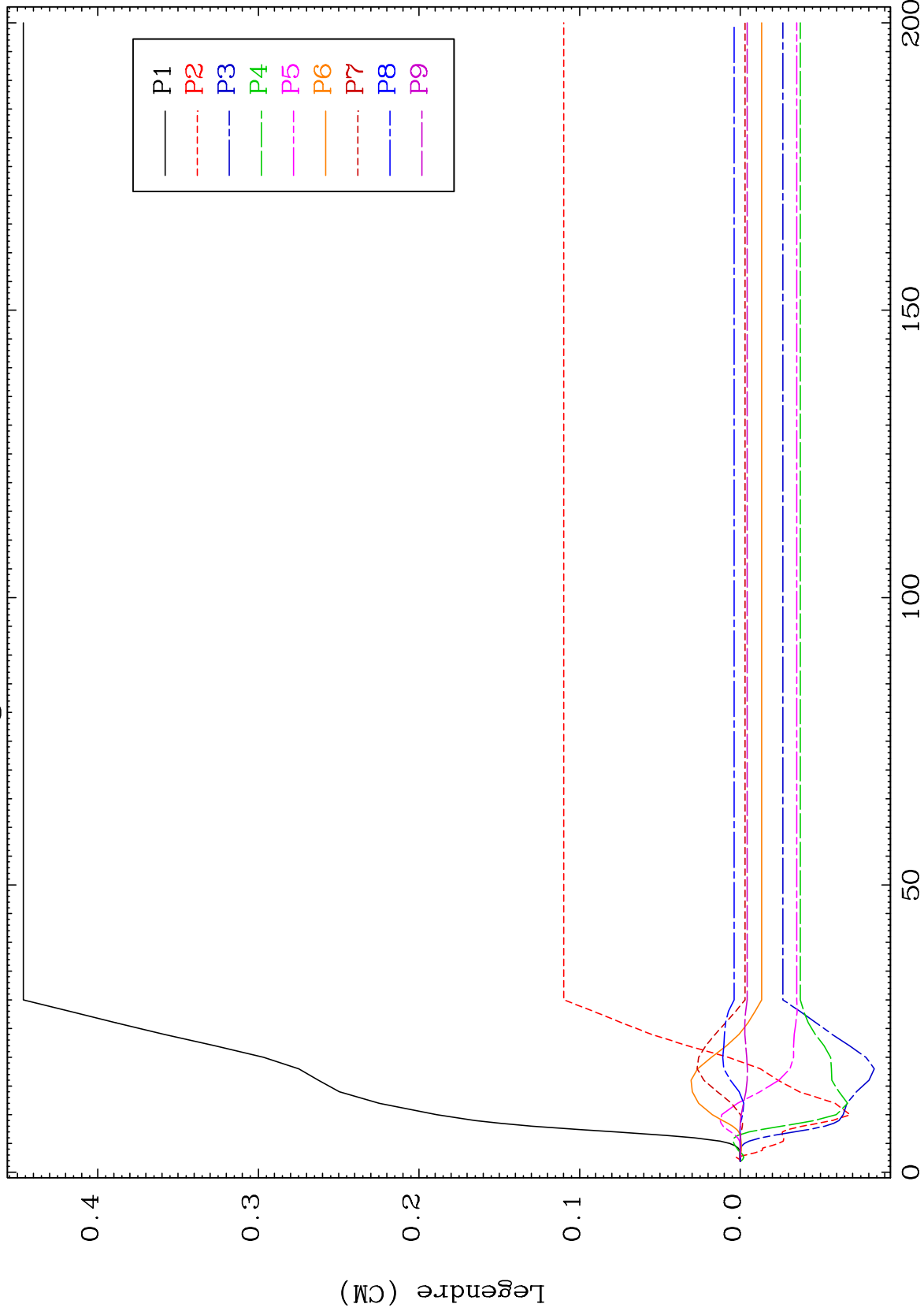
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



36

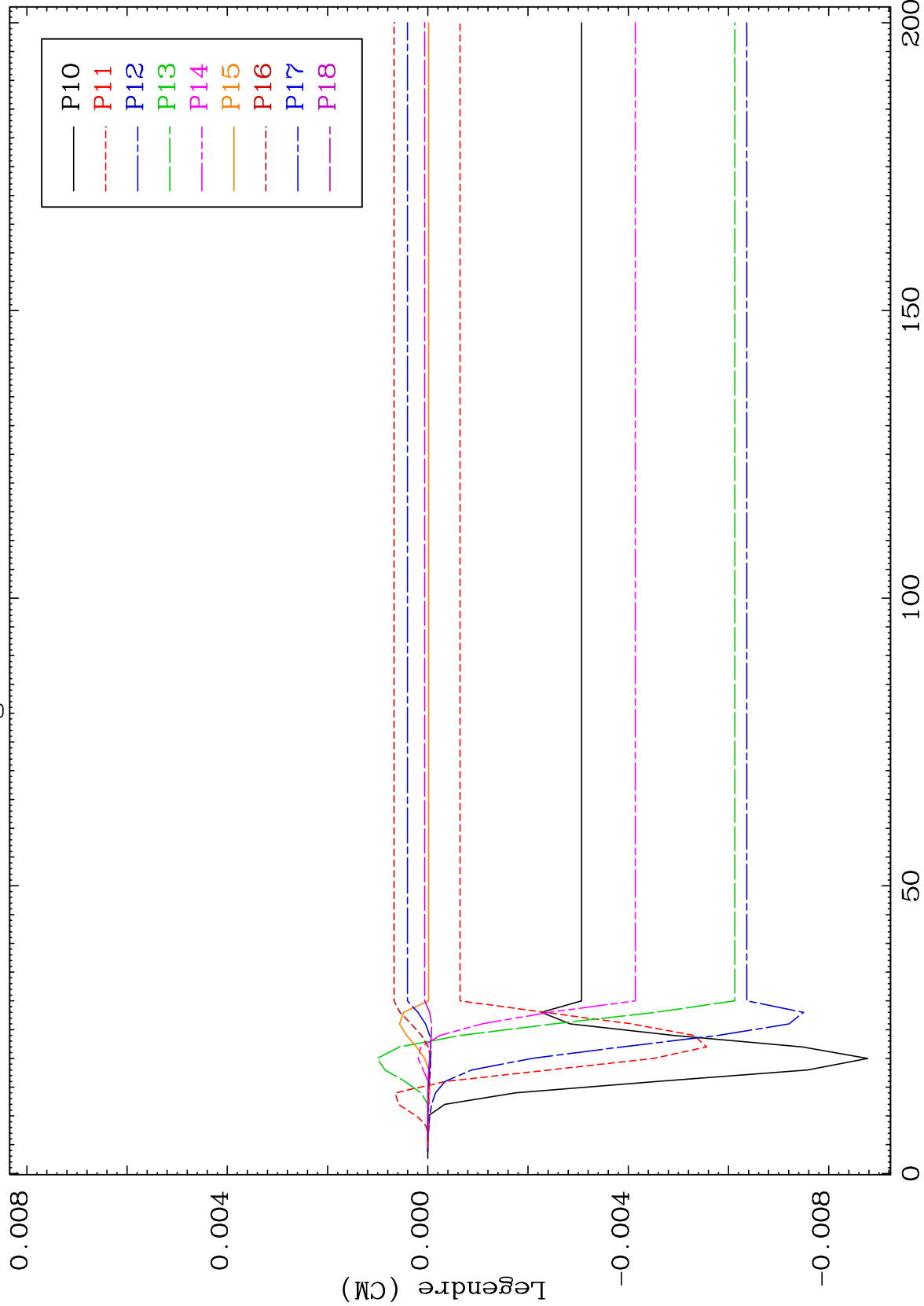
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



37

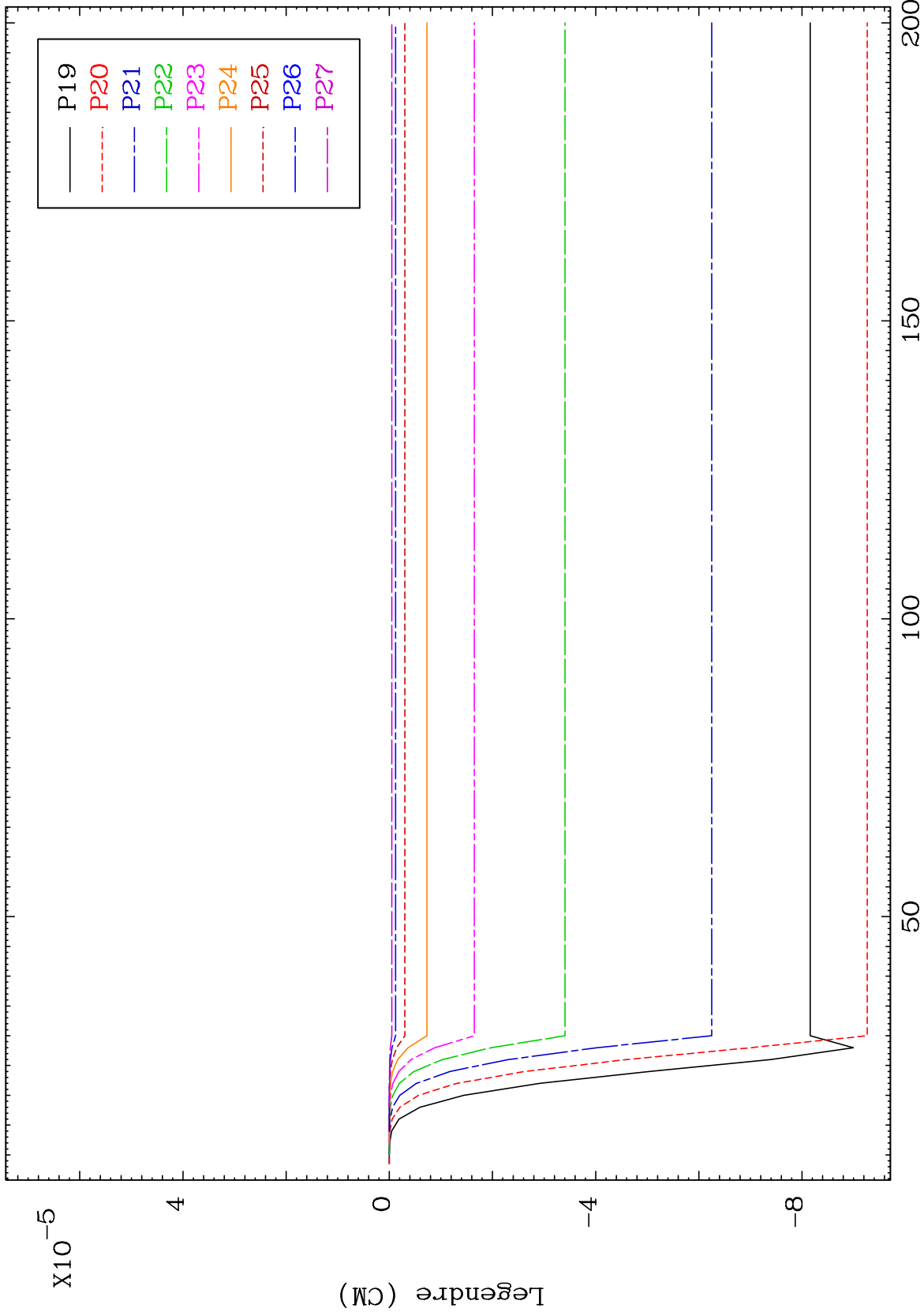
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



38

Incident Energy (MeV)

39-Y -95



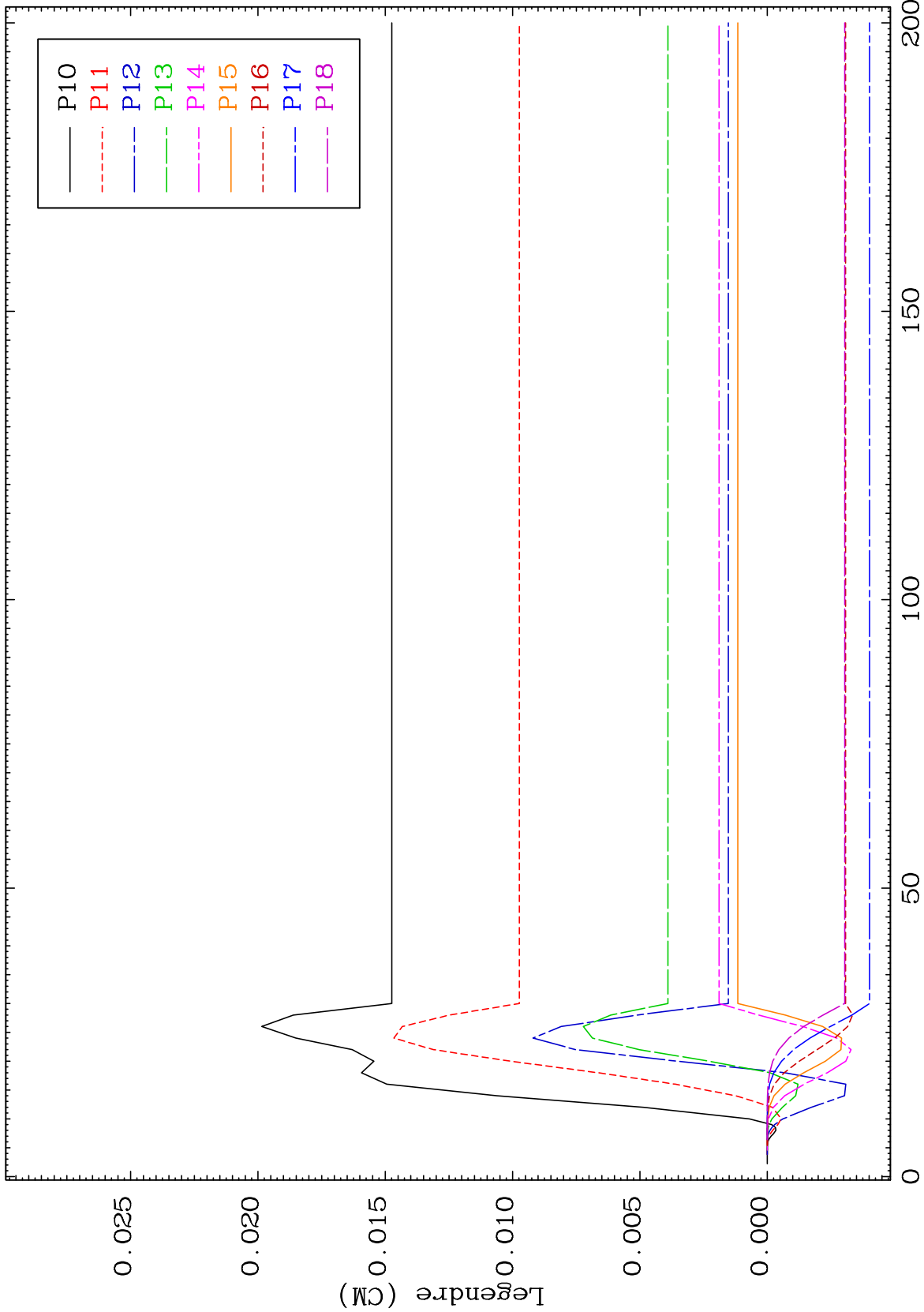




MAT 3943

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

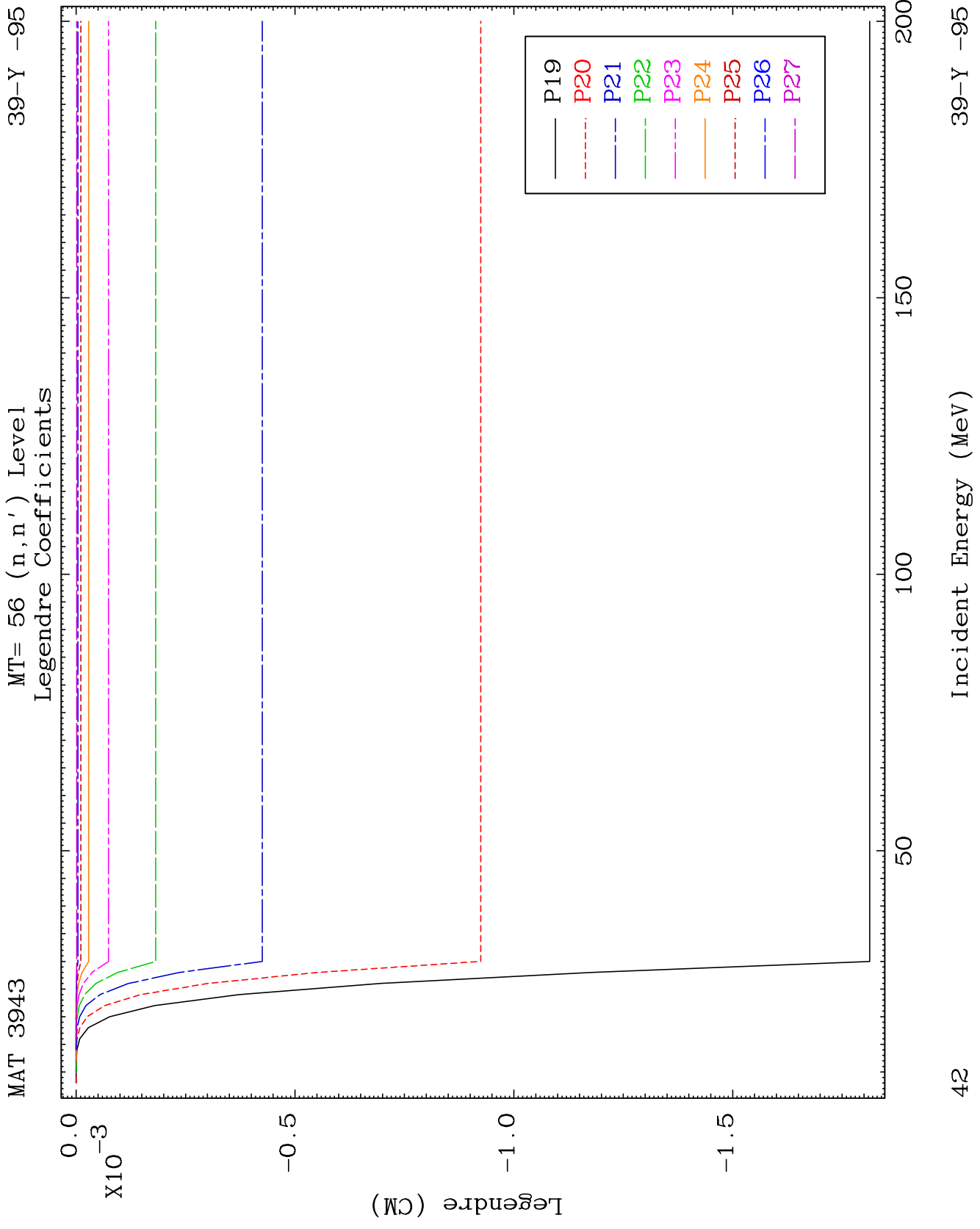
39-Y -95



41

Incident Energy (MeV)

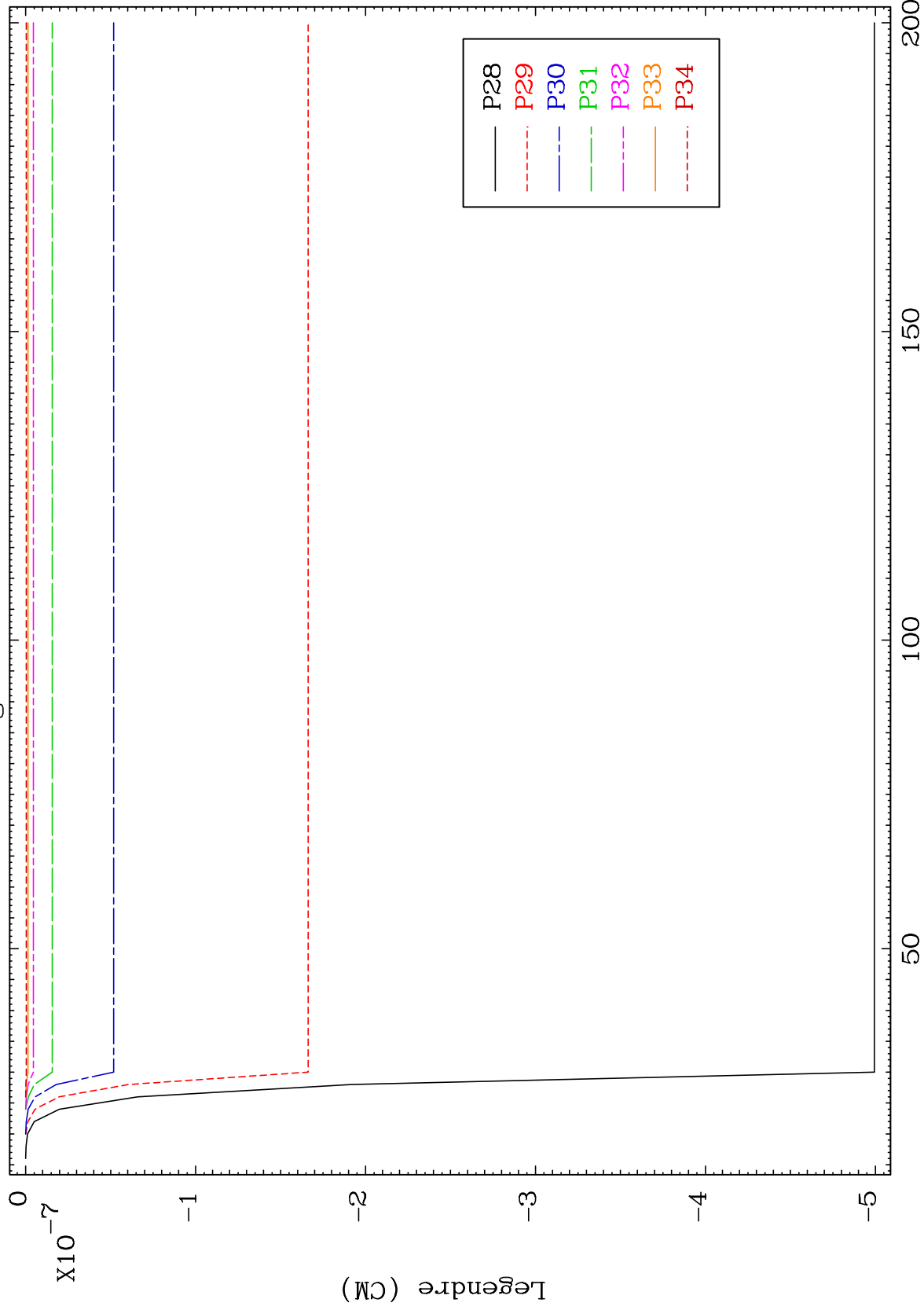
39-Y -95



MAT 3943

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

39-Y -95



43

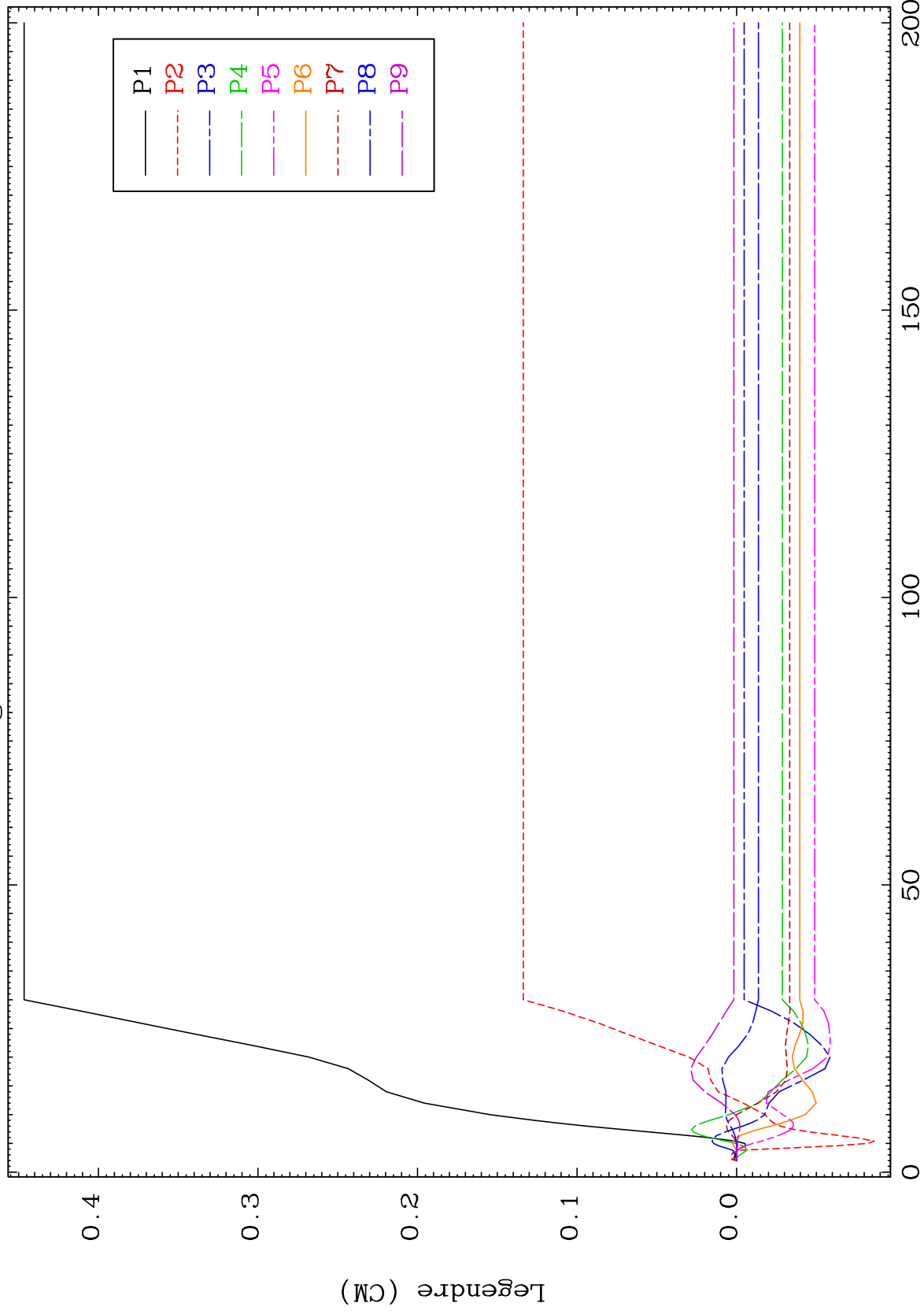
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



44

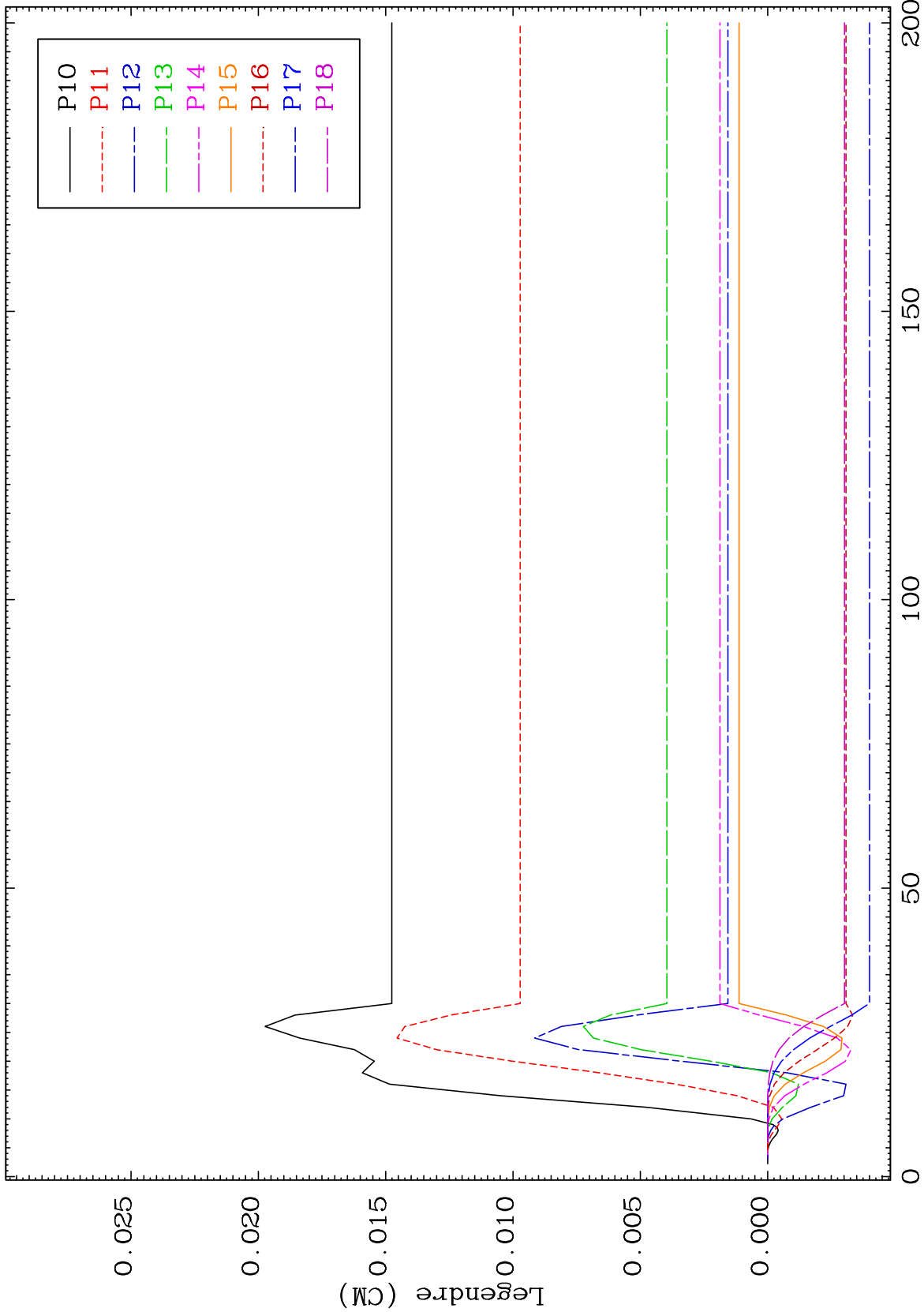
Incident Energy (MeV)

39-Y -95

MAT 3943

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

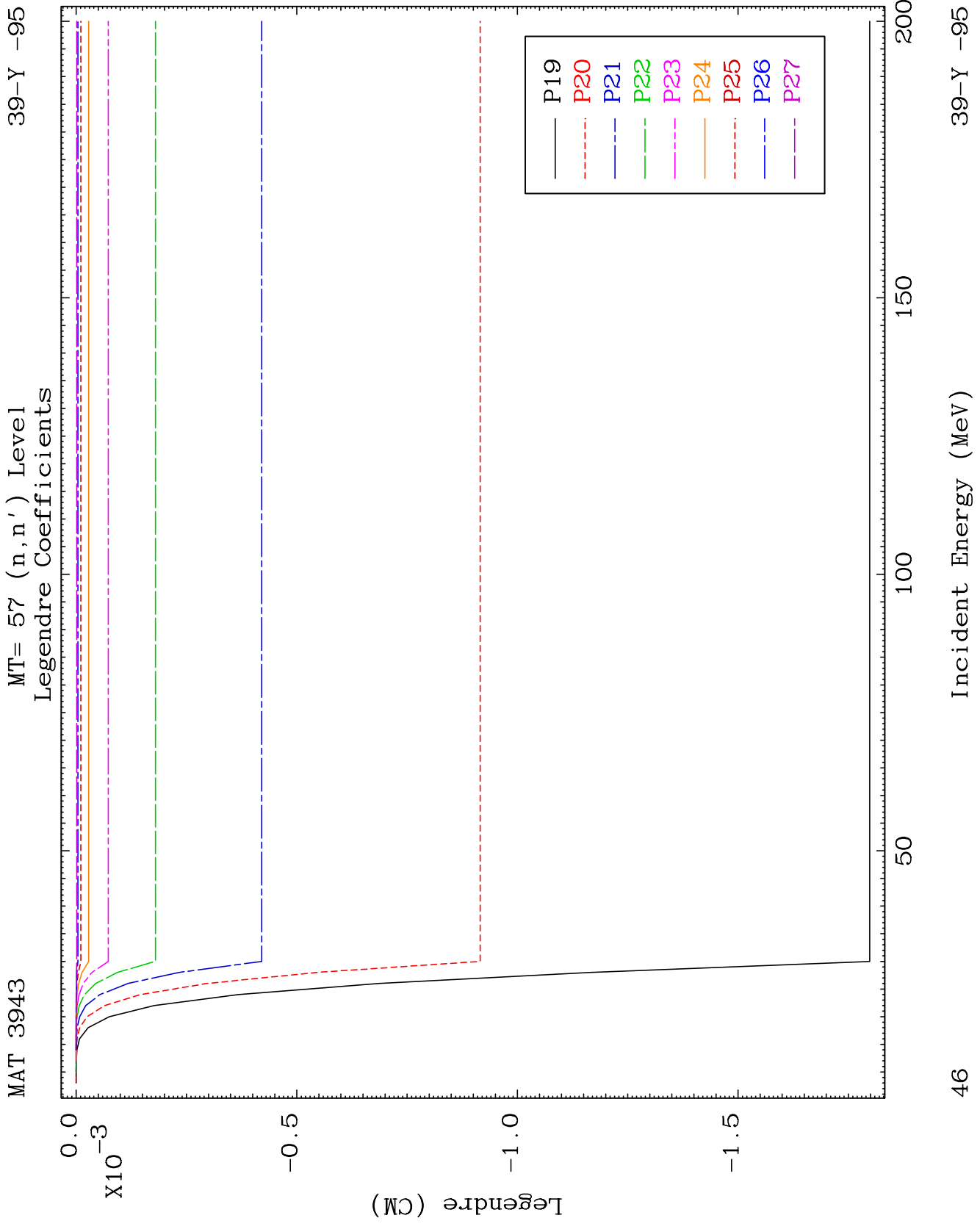
39-Y -95

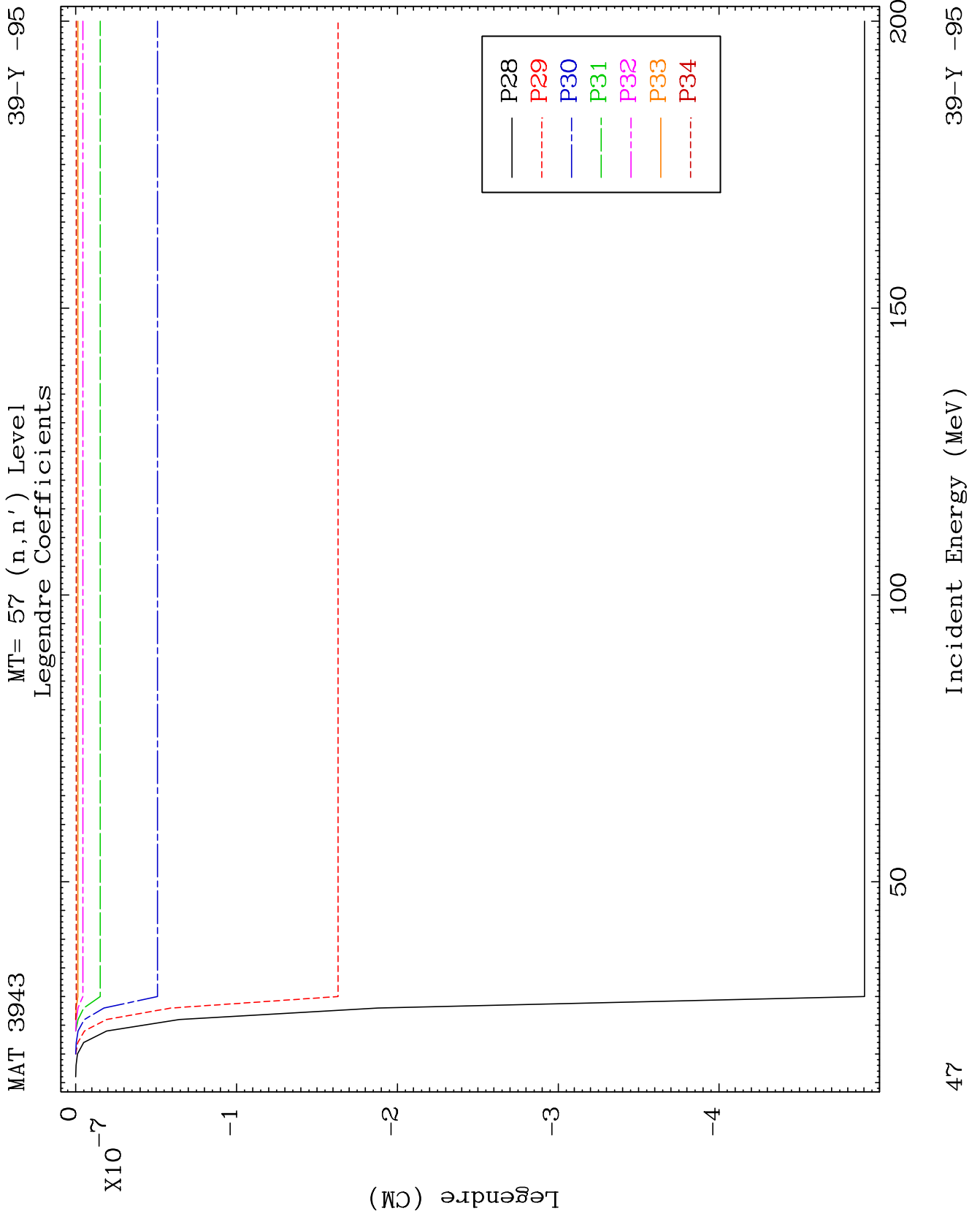


45

Incident Energy (MeV)

39-Y -95





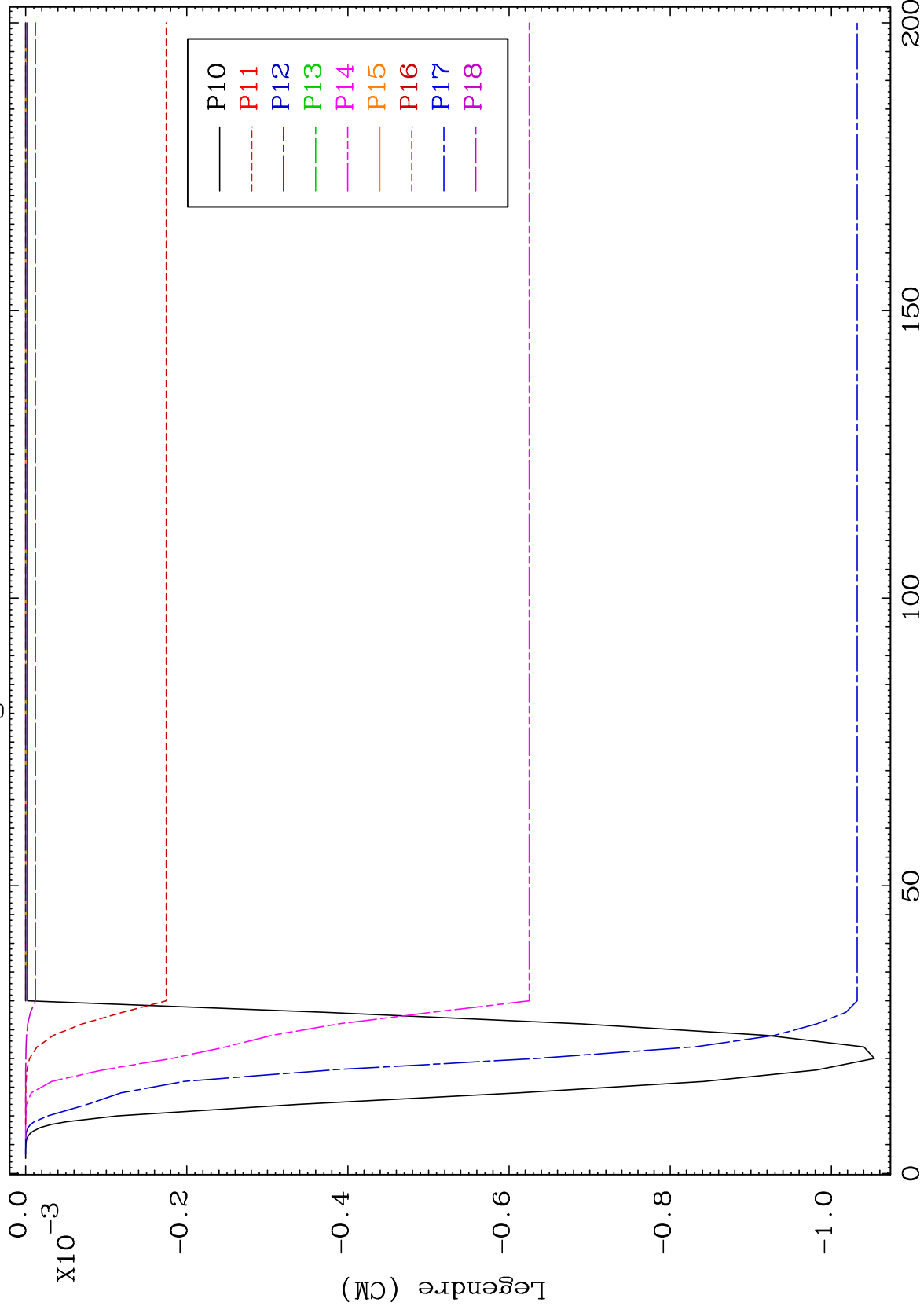




MAT 3943

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

39-Y -95



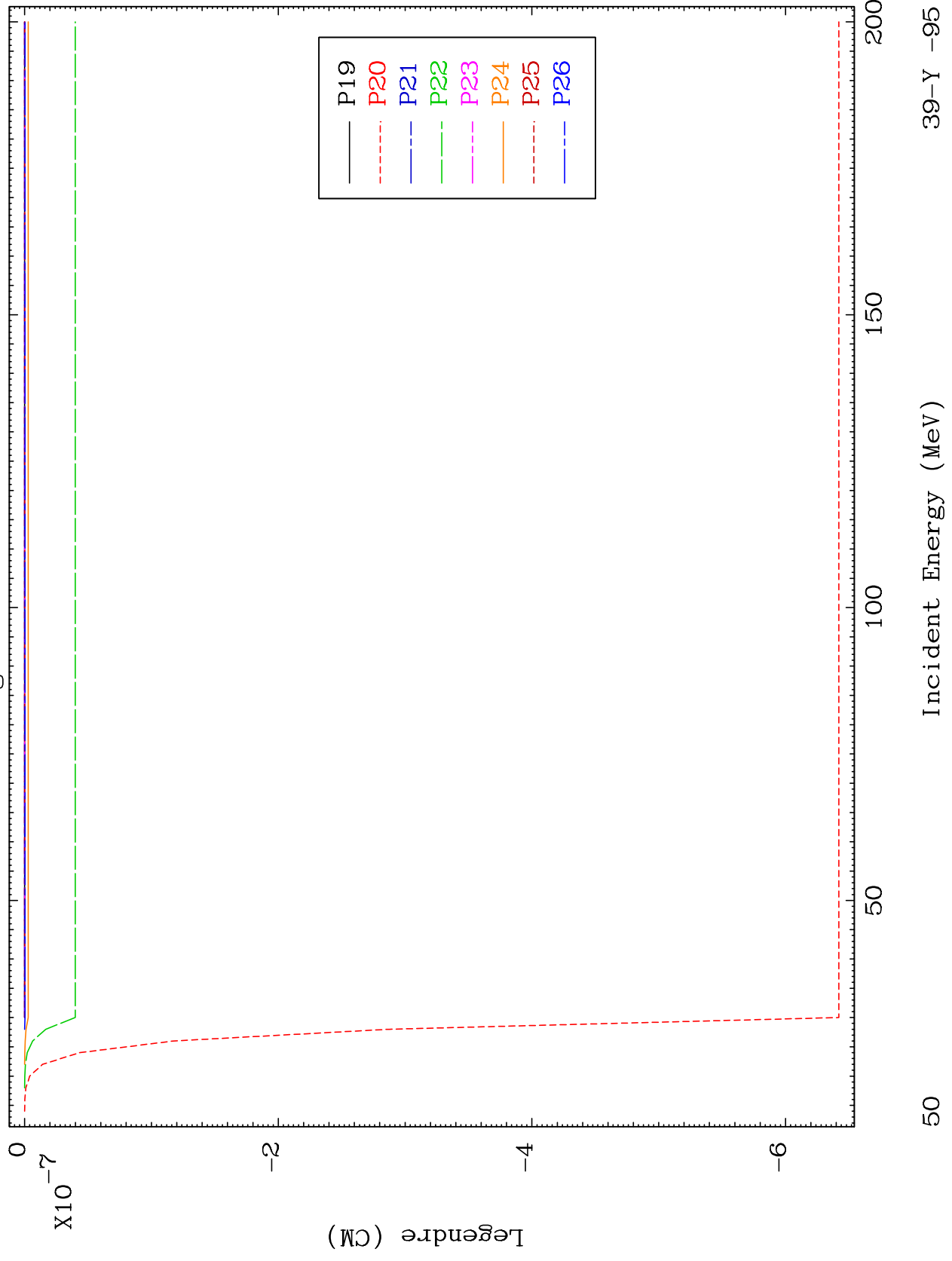
49

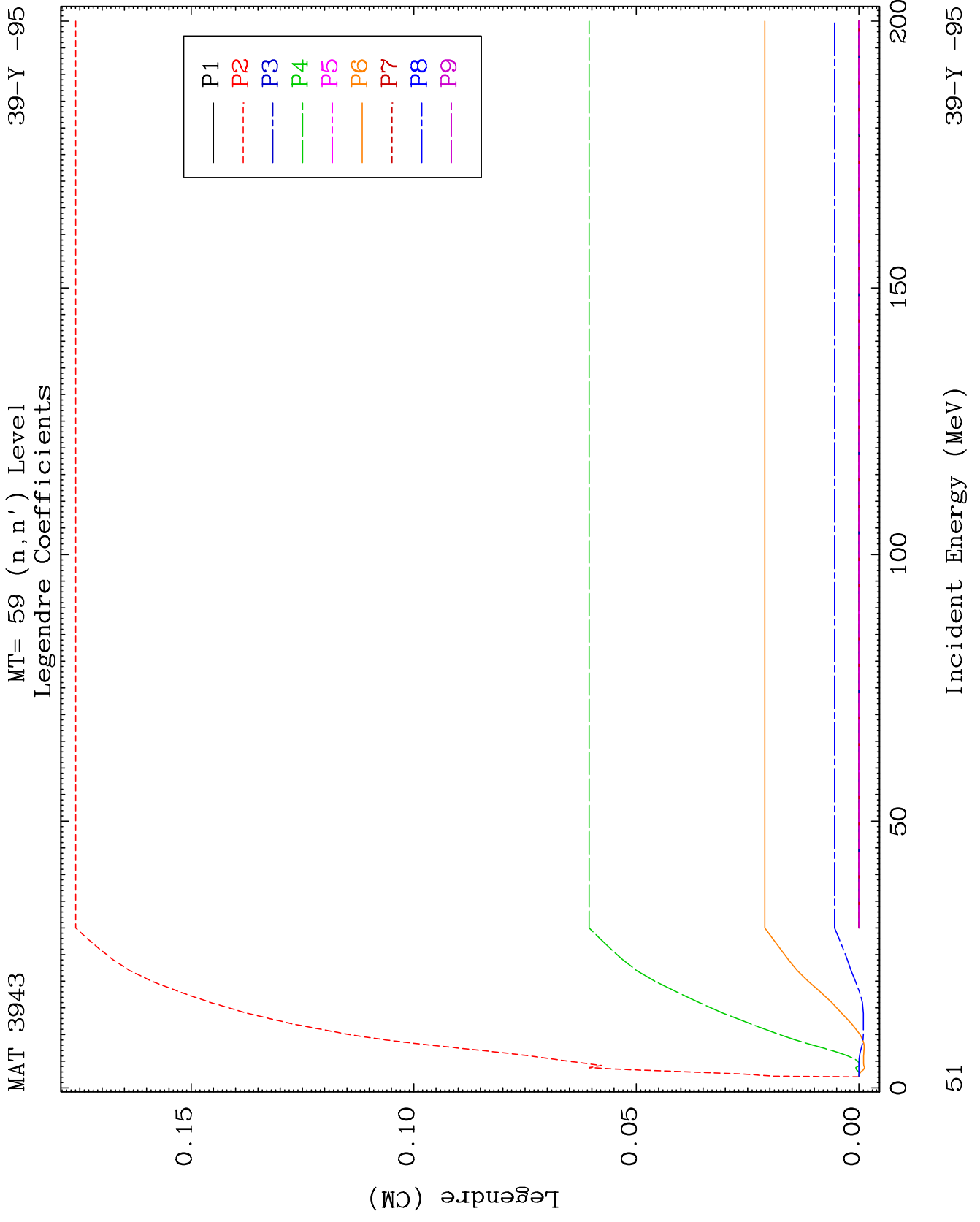
Incident Energy (MeV)

39-Y -95

MAT 3943 MT= 58 (n,n') Level 39-Y -95

Legendre Coefficients

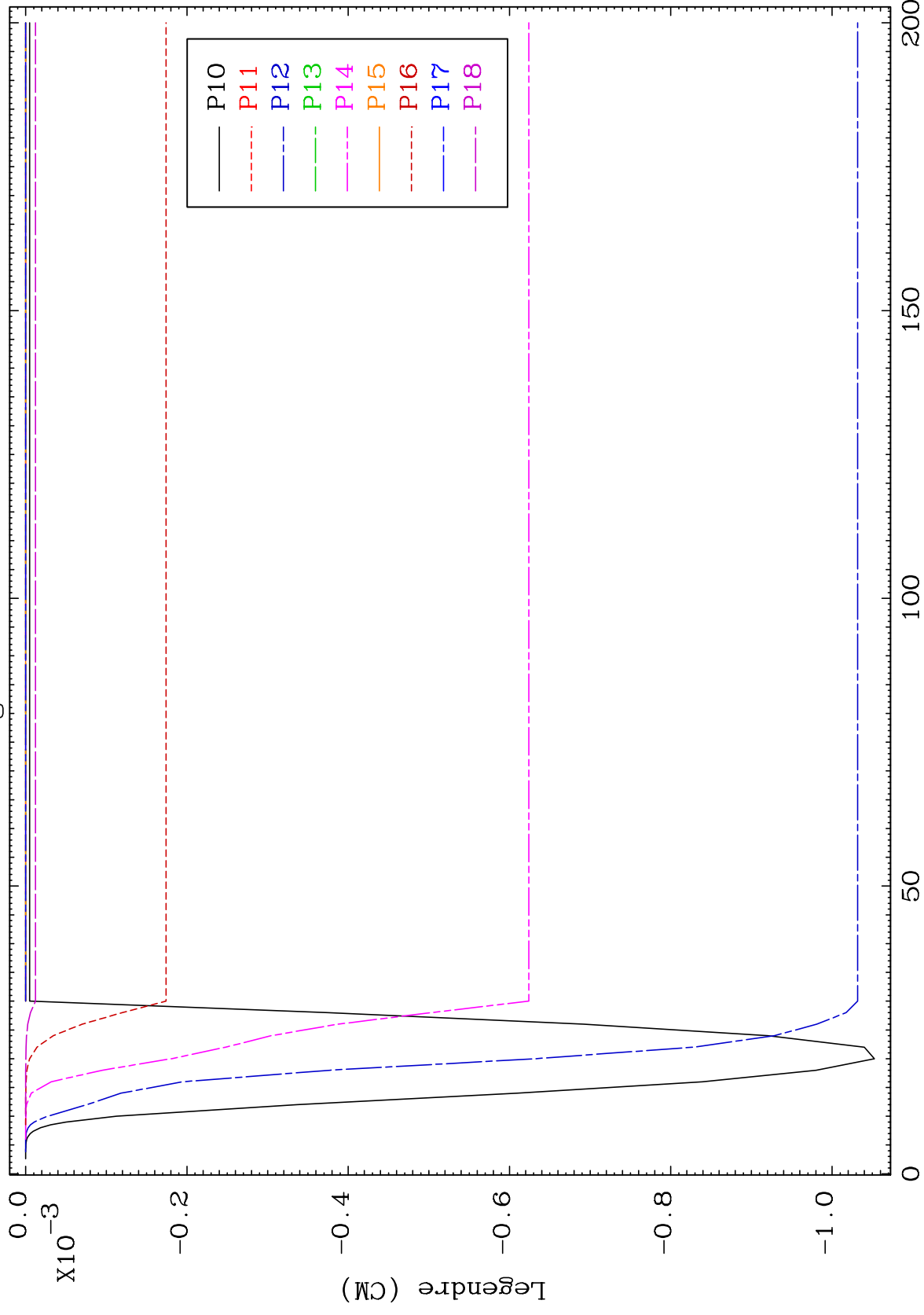




MAT 3943

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

39-Y -95



52

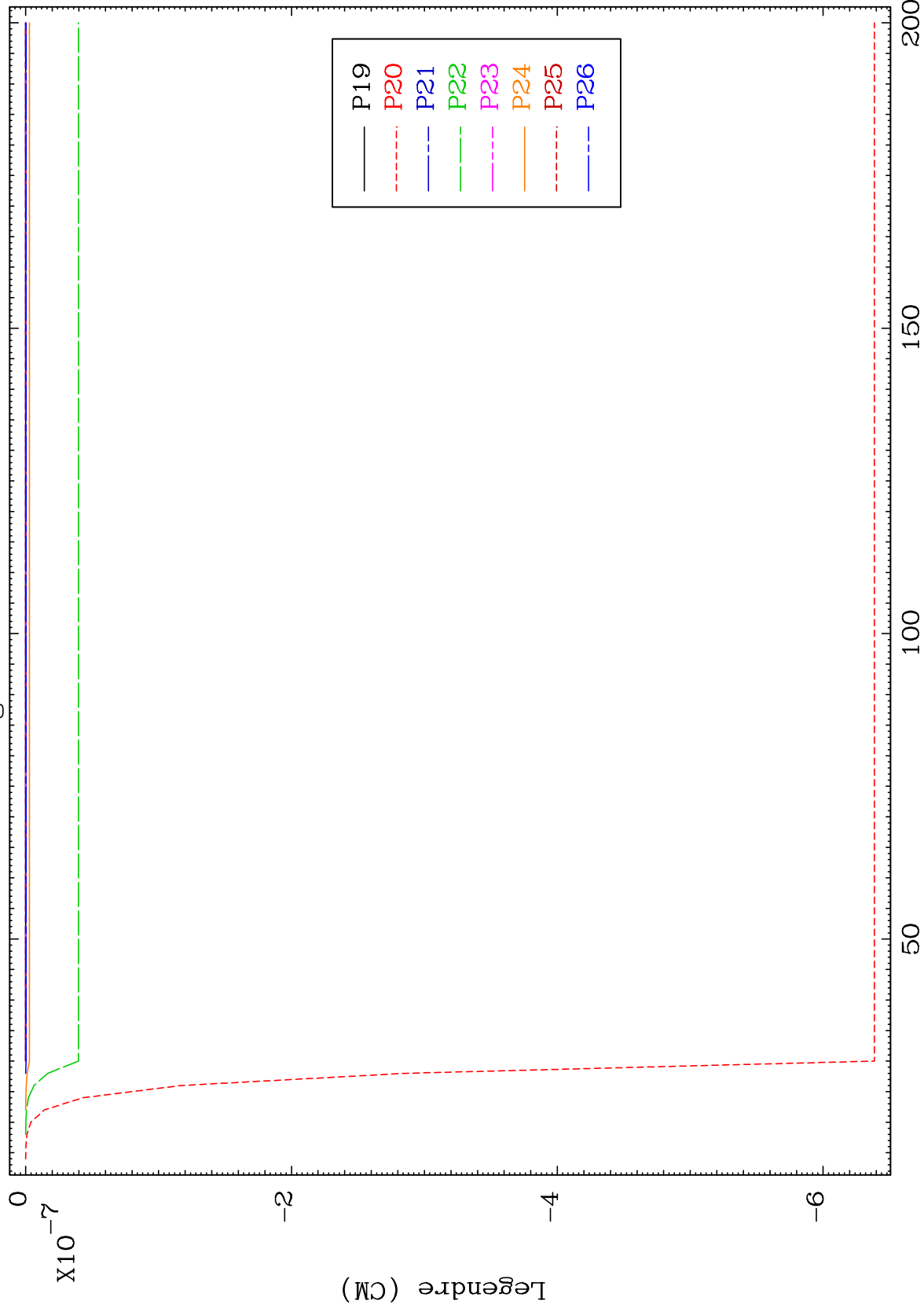
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



39-Y -95

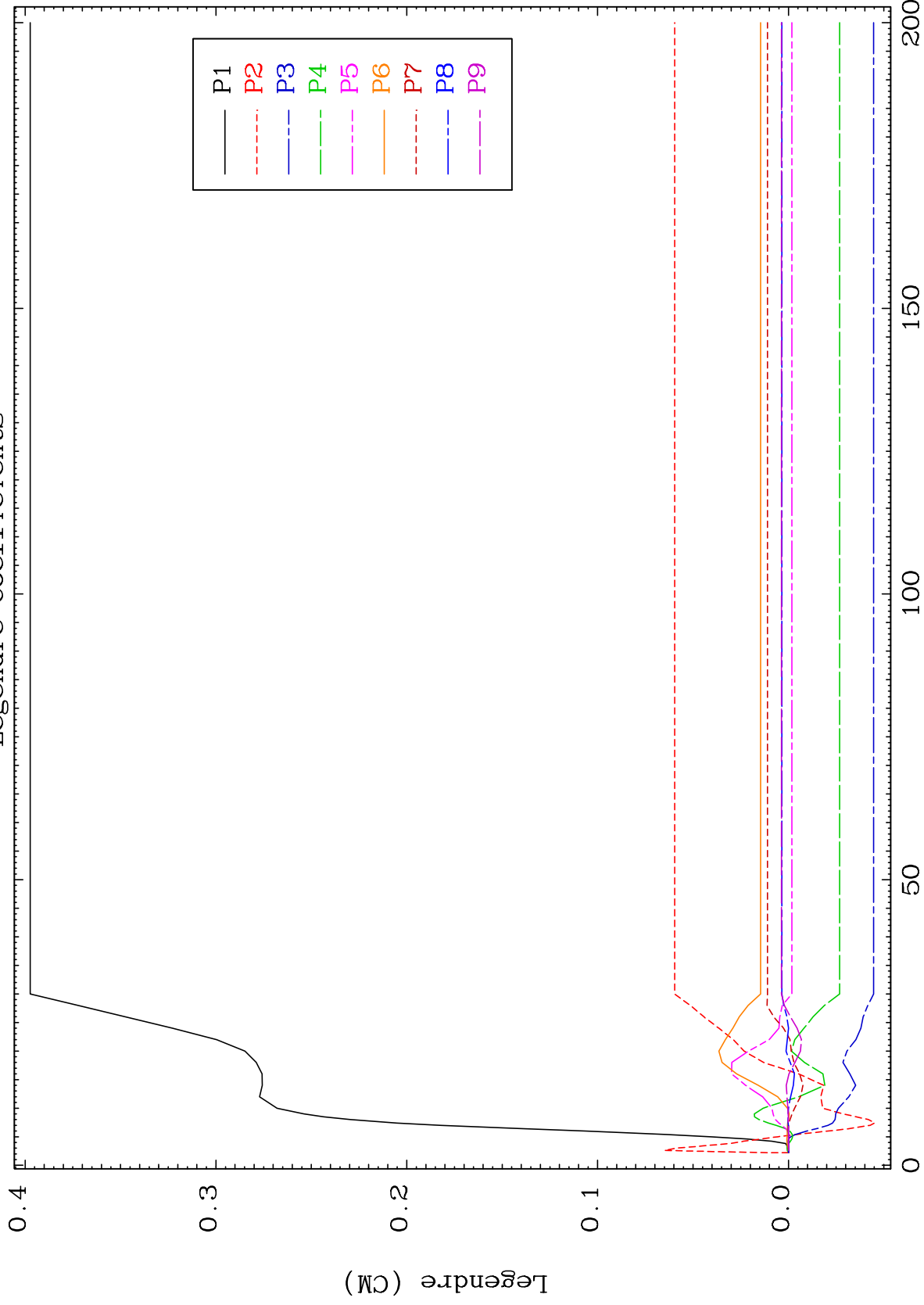
Incident Energy (MeV)

53

MAT 3943

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

39-Y -95



54

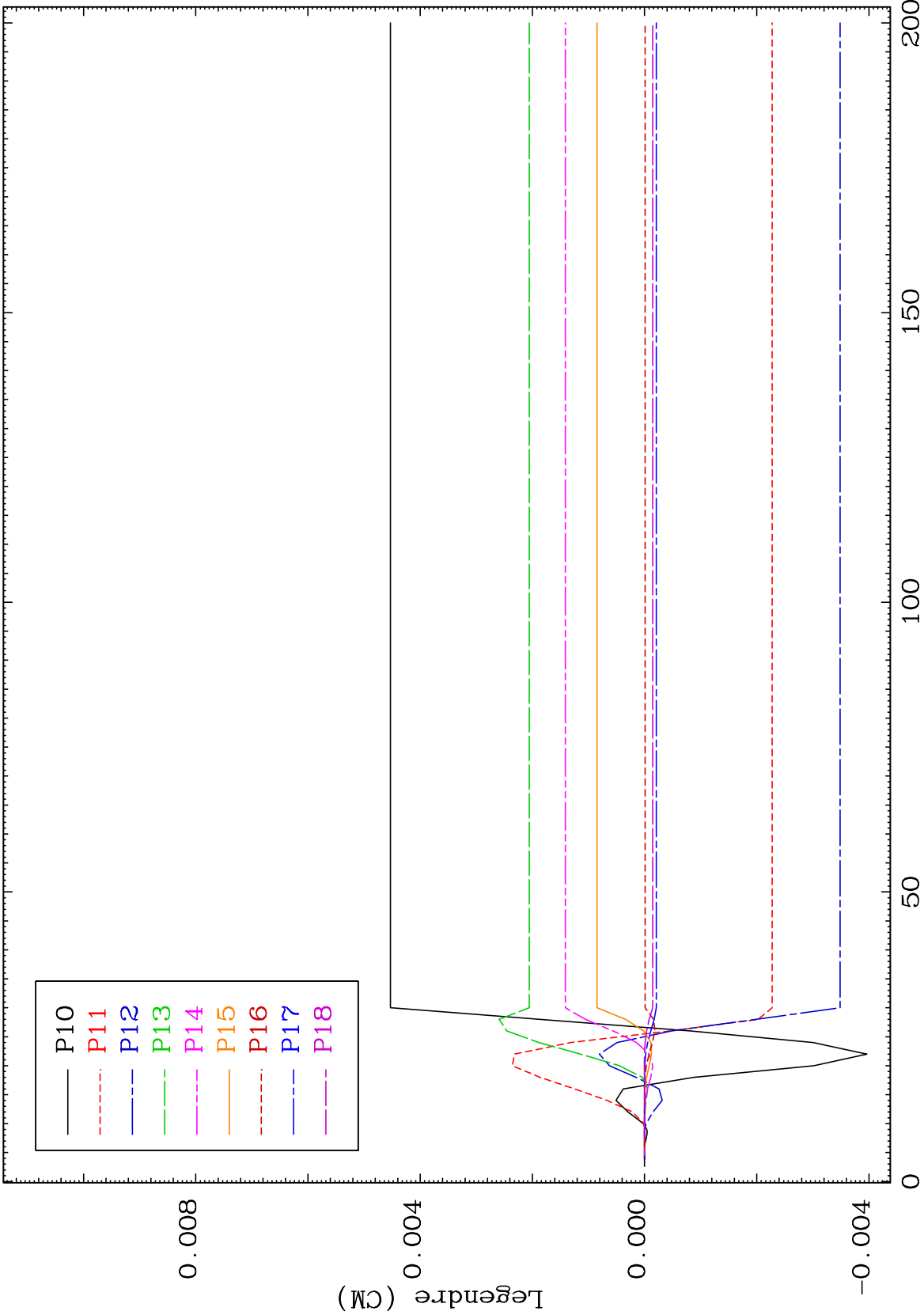
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



55

Incident Energy (MeV)

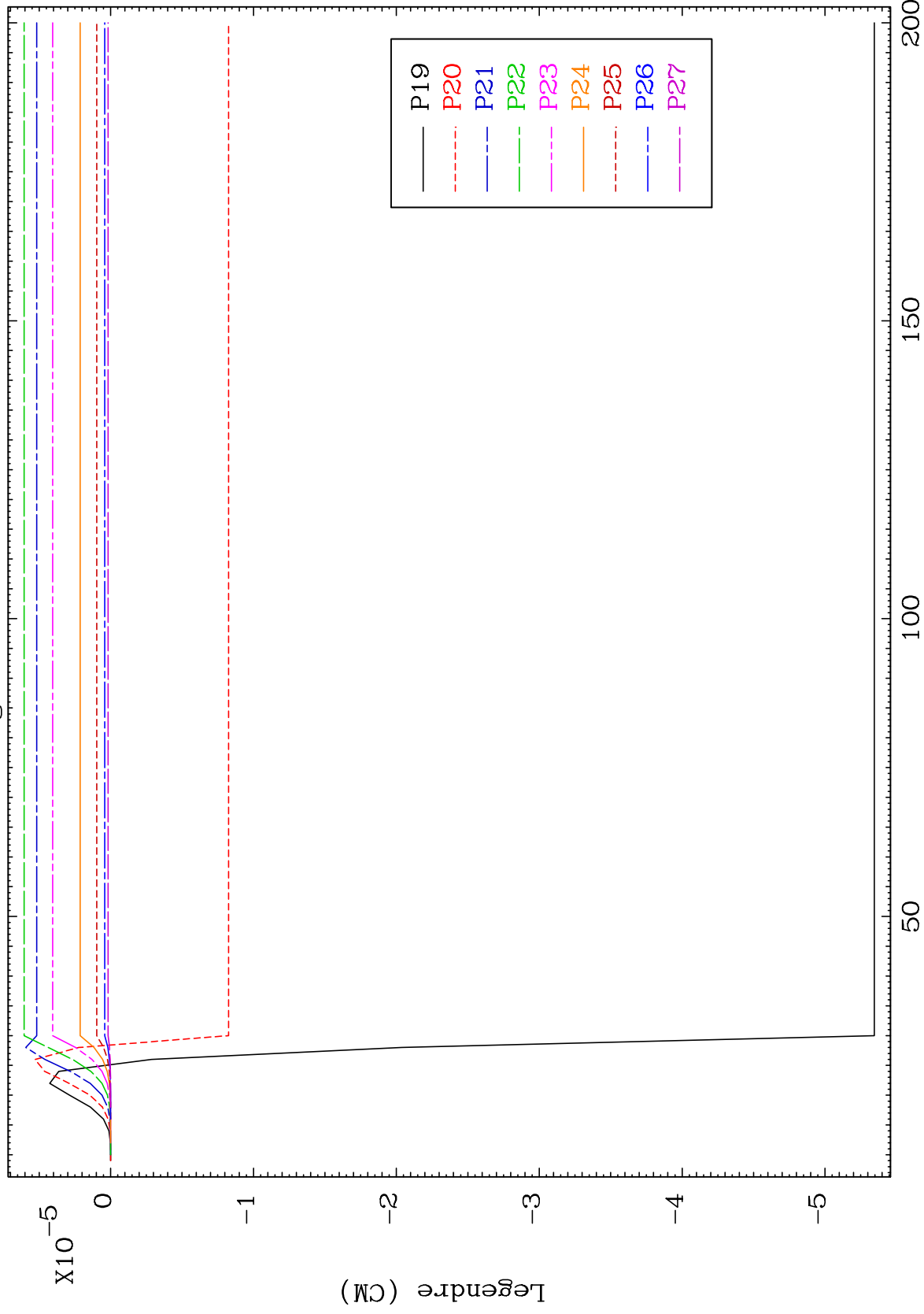
39-Y -95



MAT 3943

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

39-Y -95



56

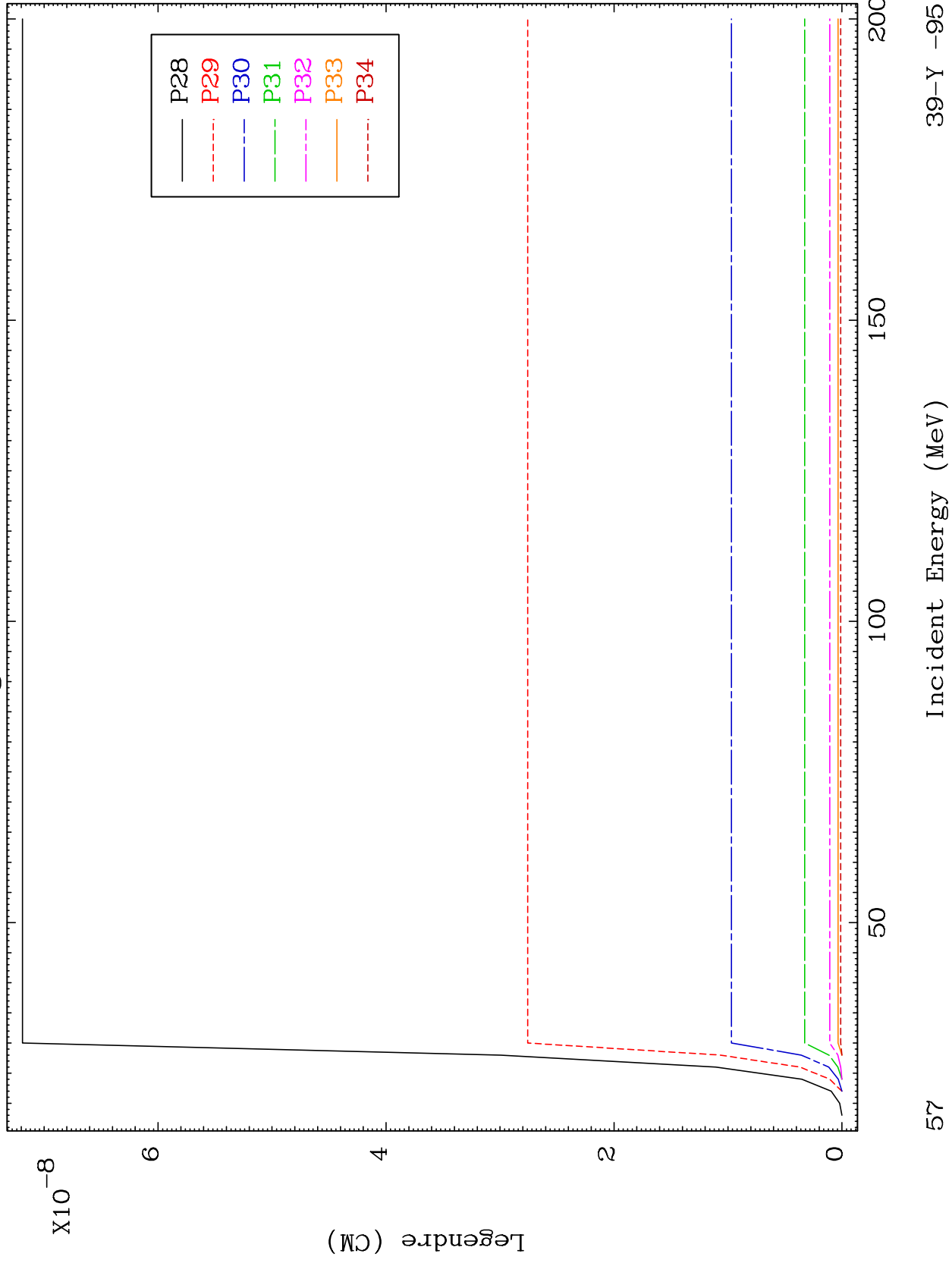
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



57

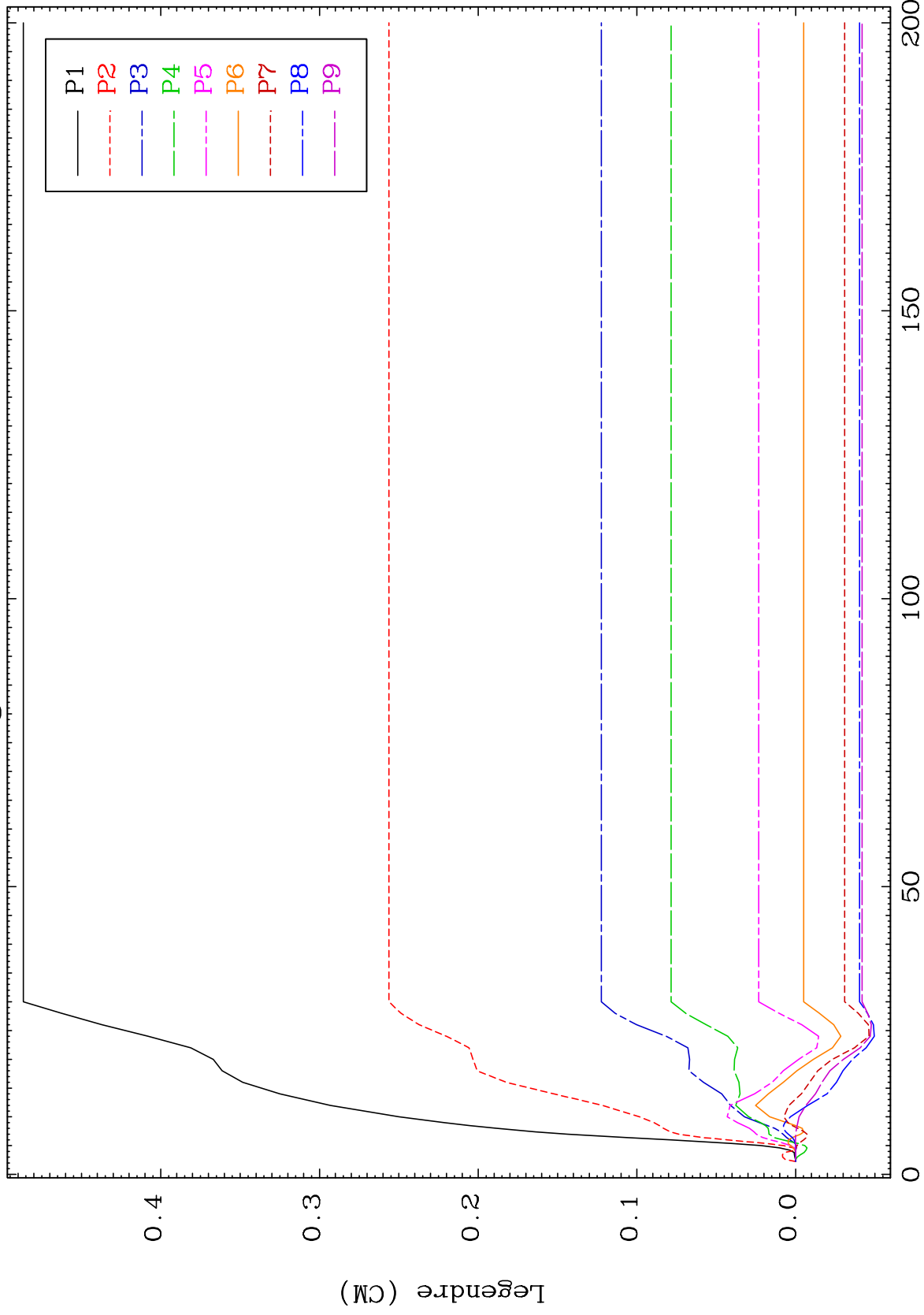
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



58

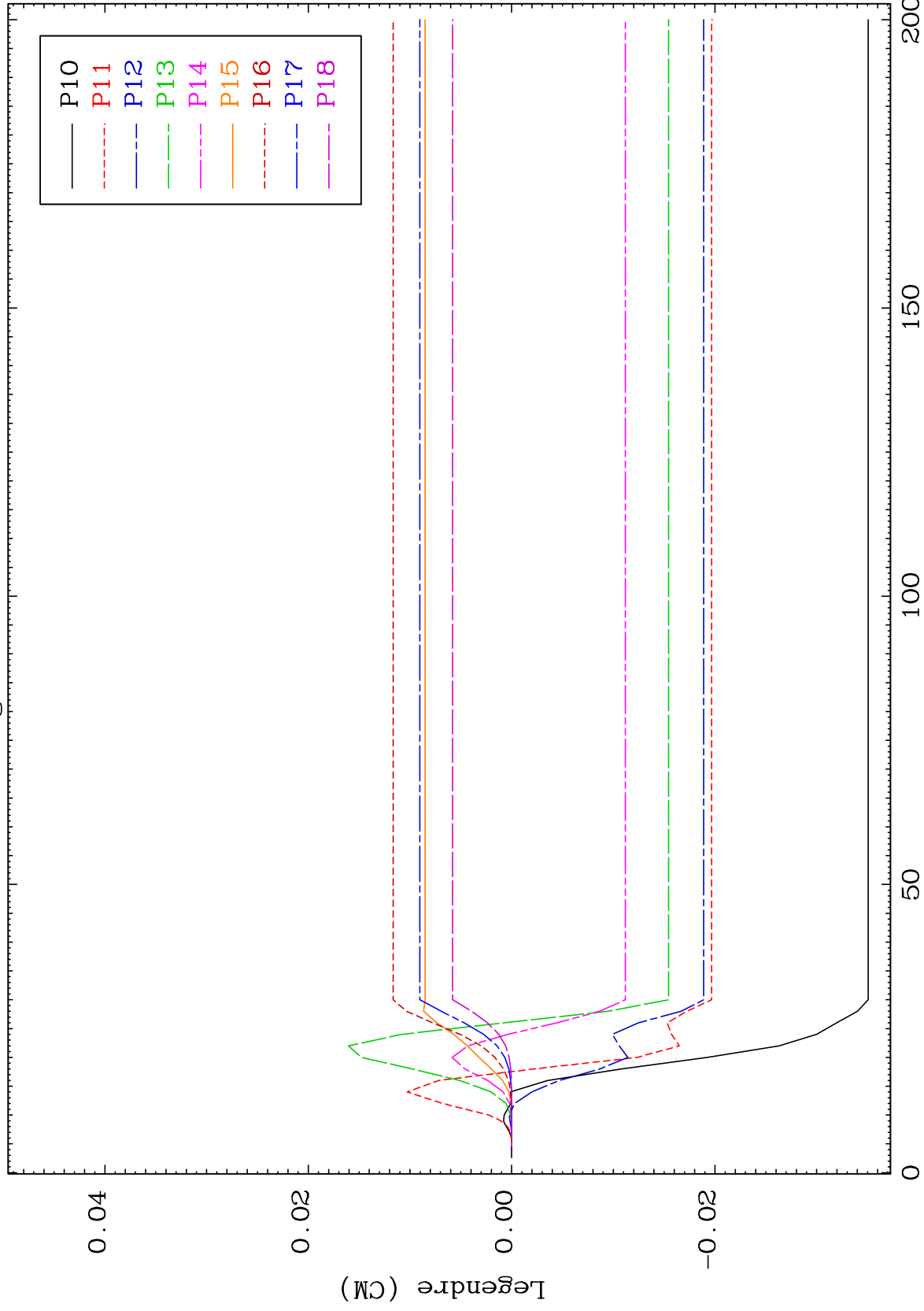
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



59

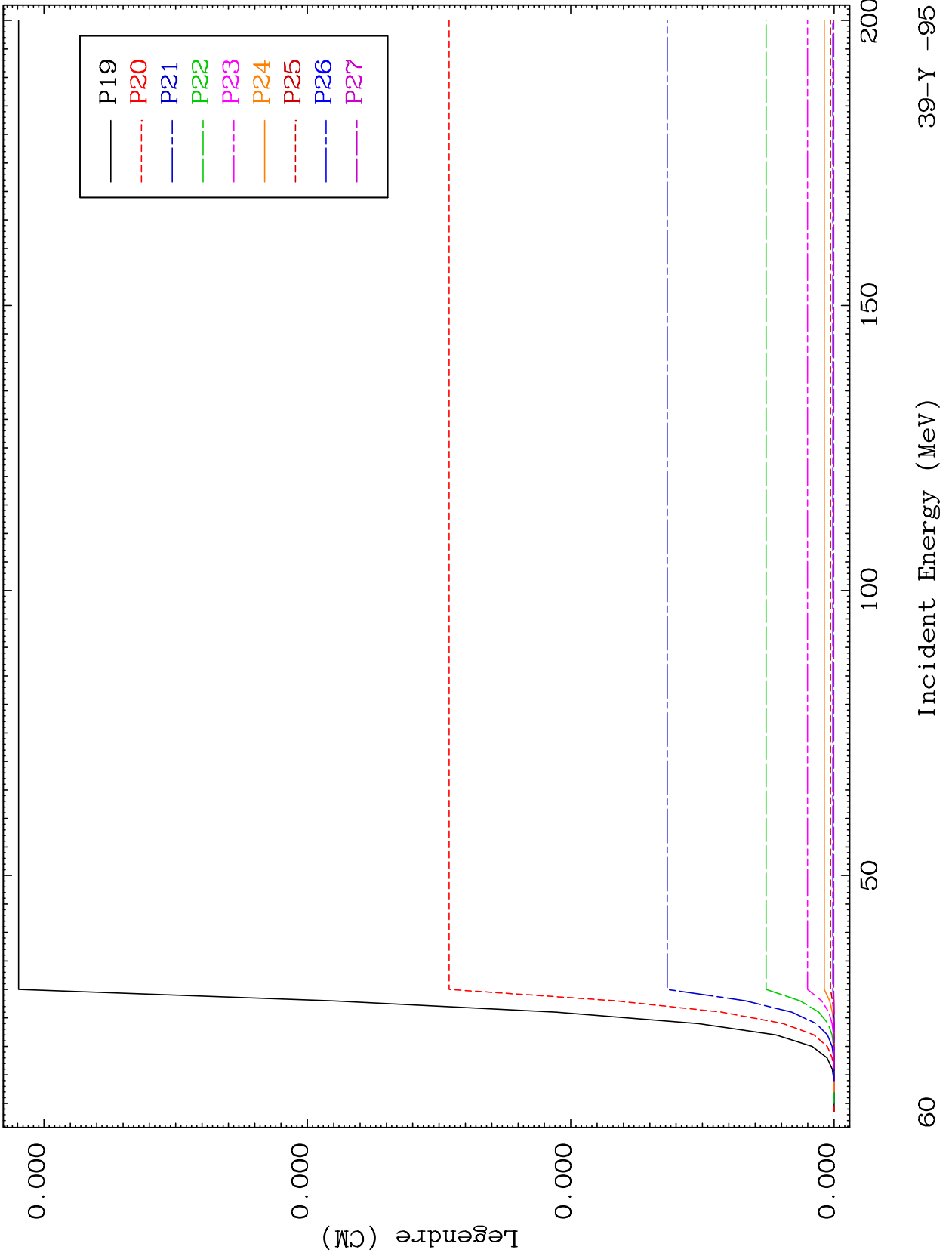
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



60

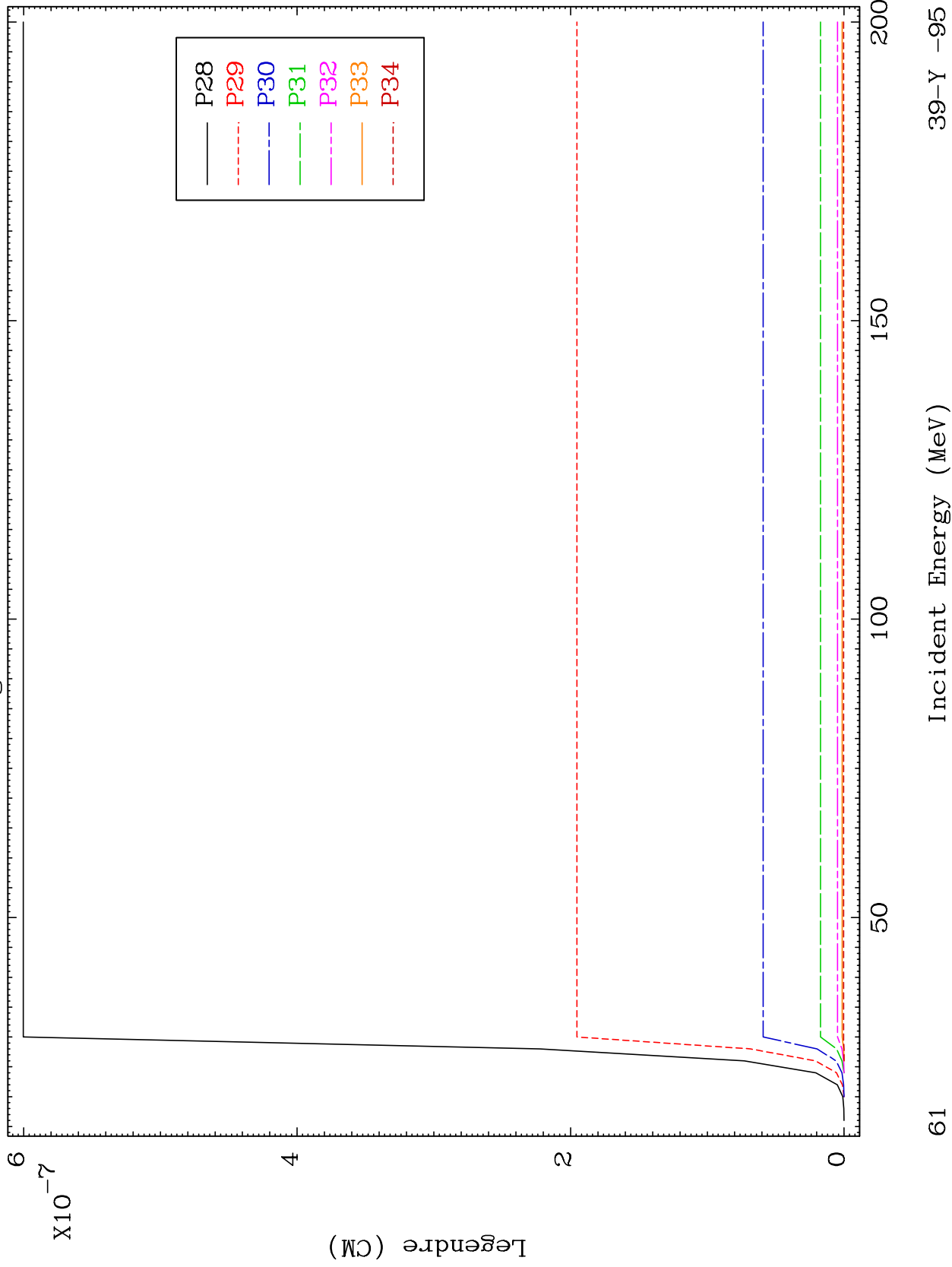
Incident Energy (MeV)

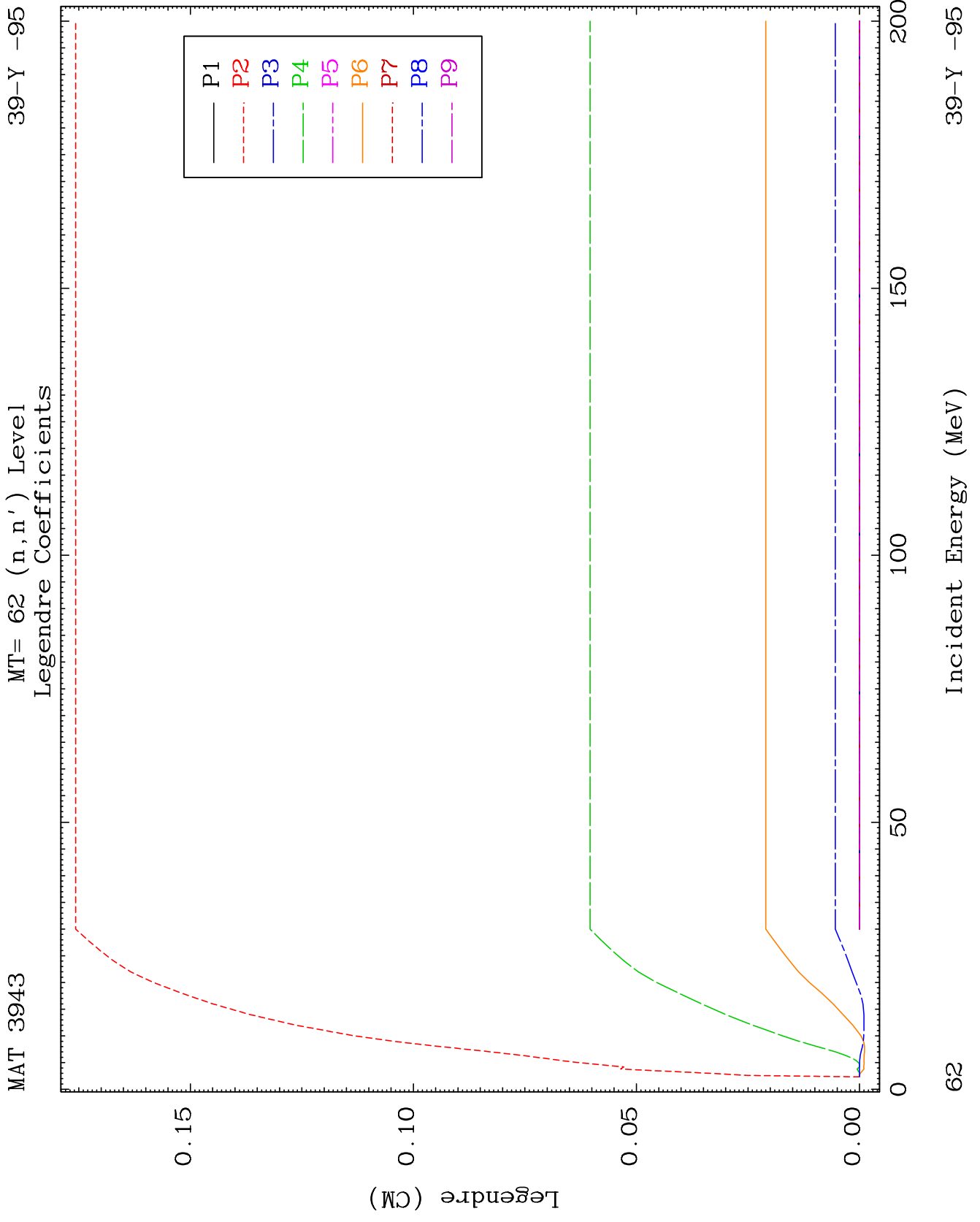
39-Y -95

MAT 3943

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

39-Y -95

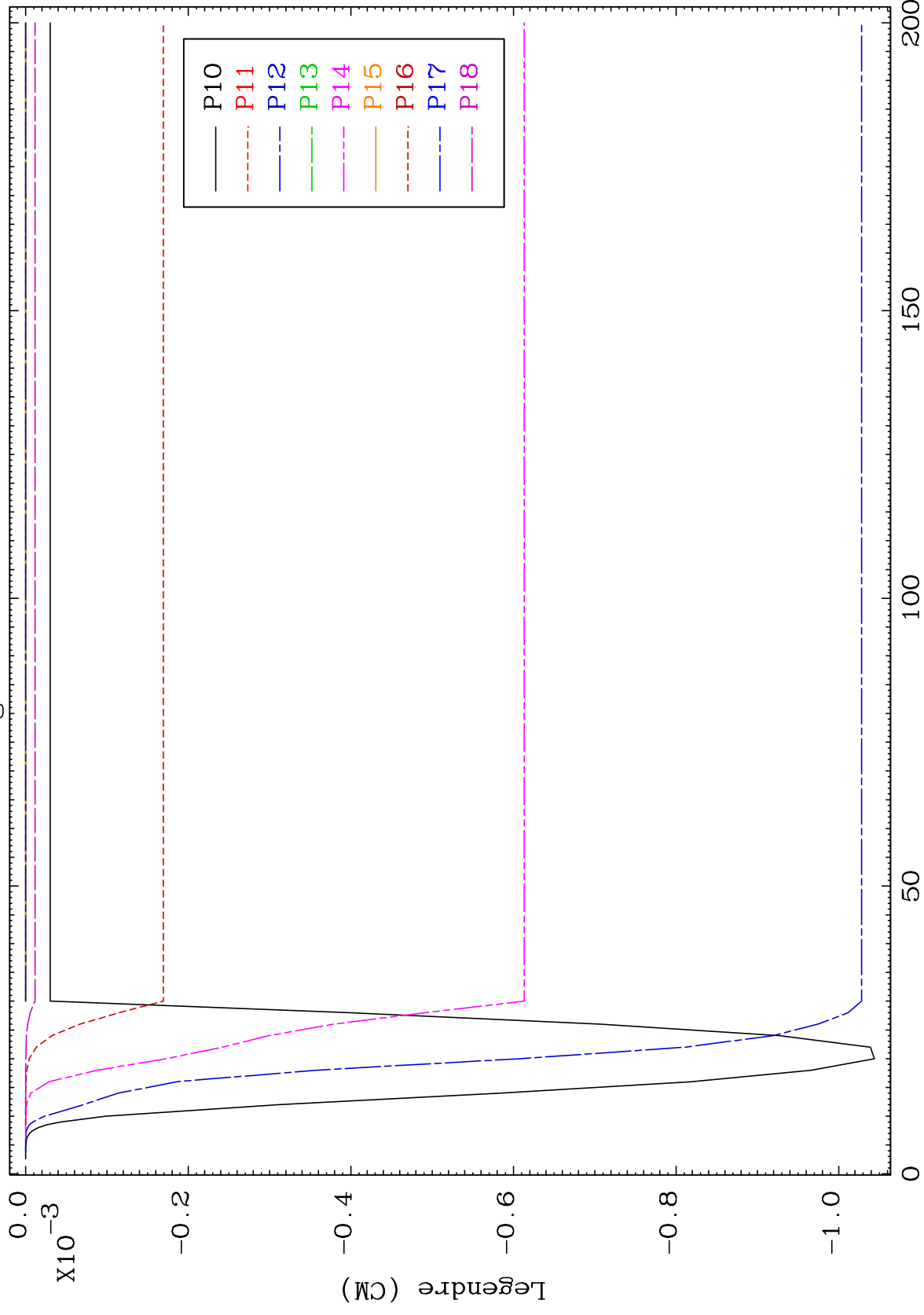




MAT 3943

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

39-Y -95



63

Incident Energy (MeV)

39-Y -95

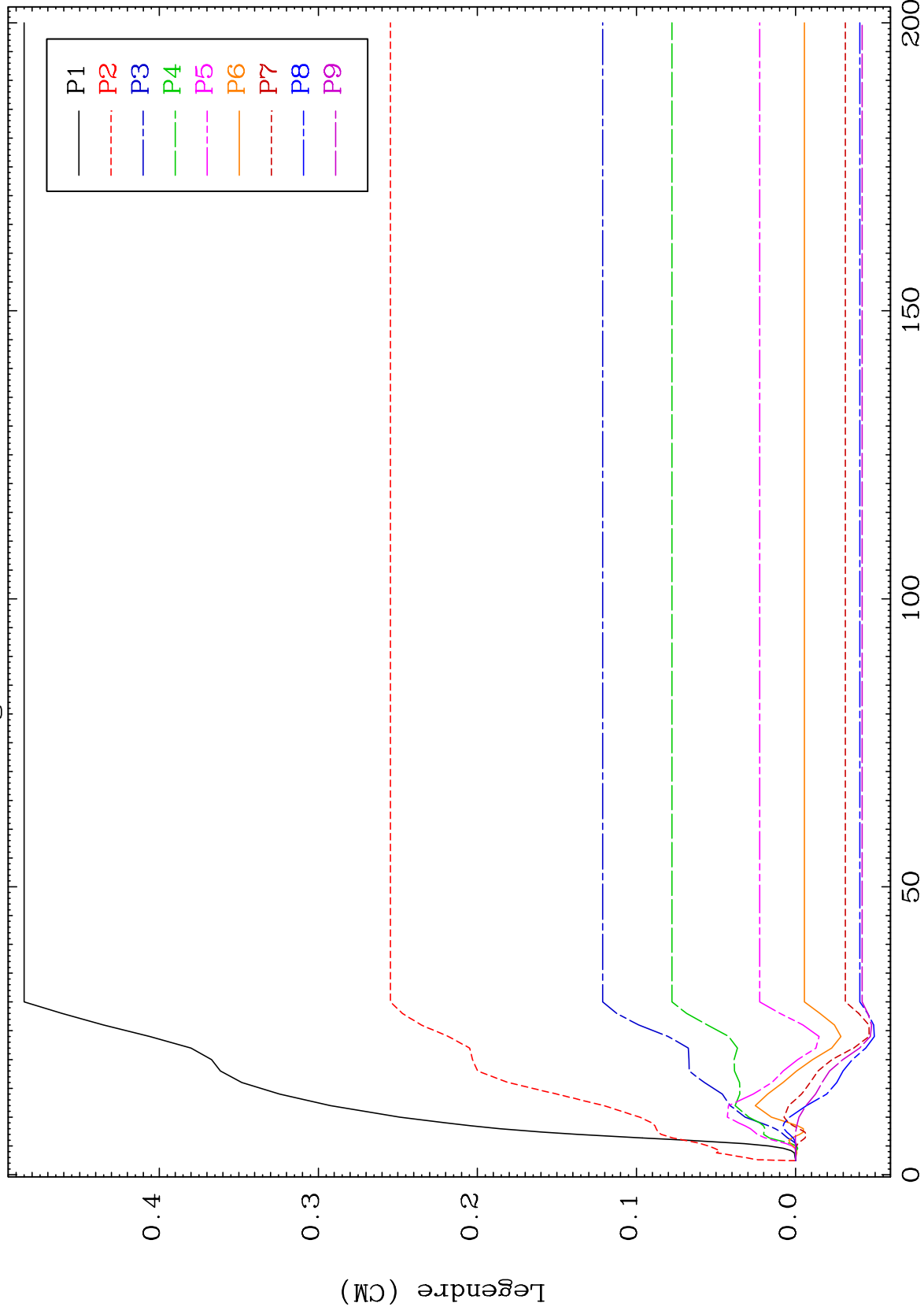




MAT 3943

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

39-Y -95



65

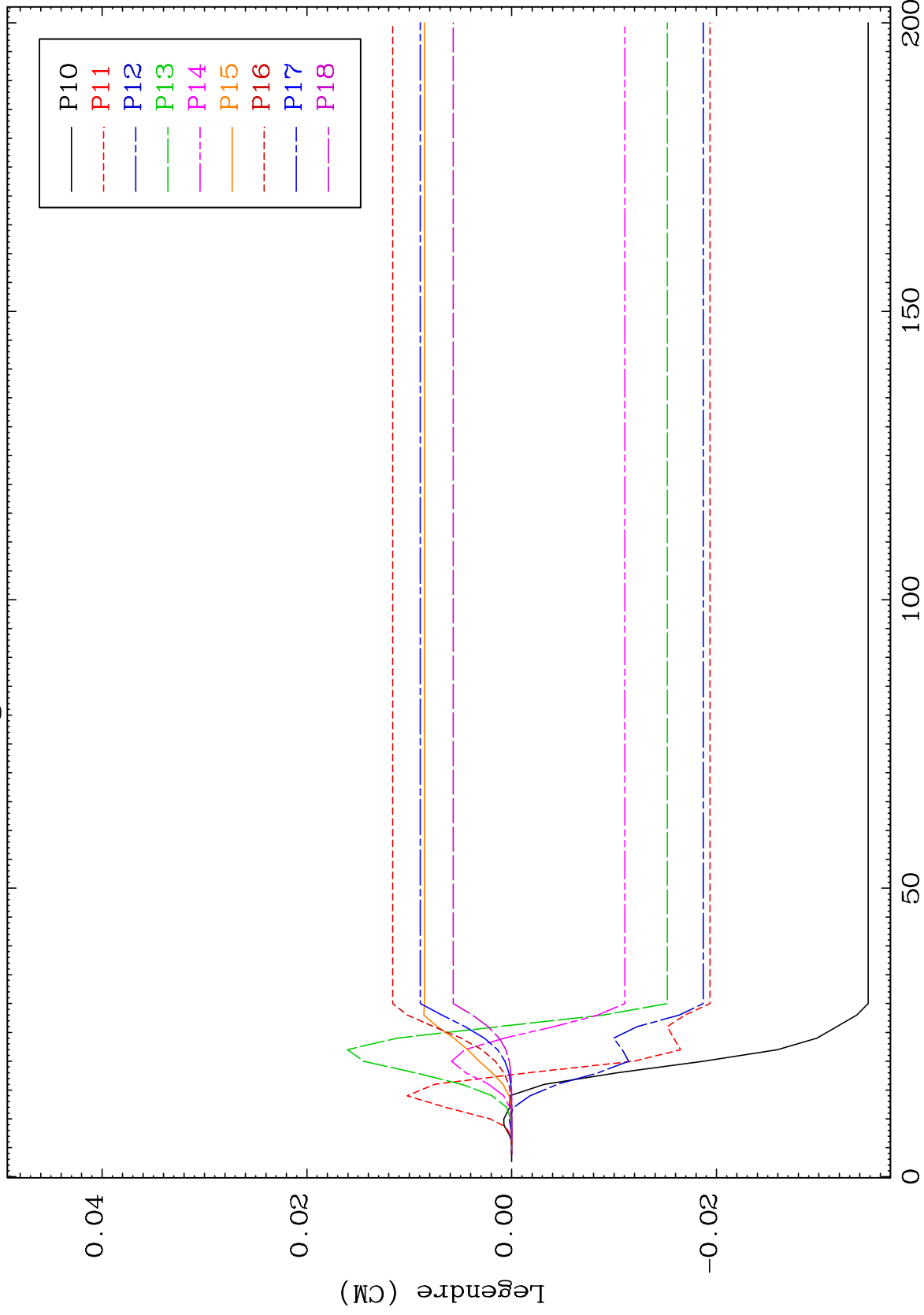
Incident Energy (MeV)

39-Y -95

MAT 3943

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

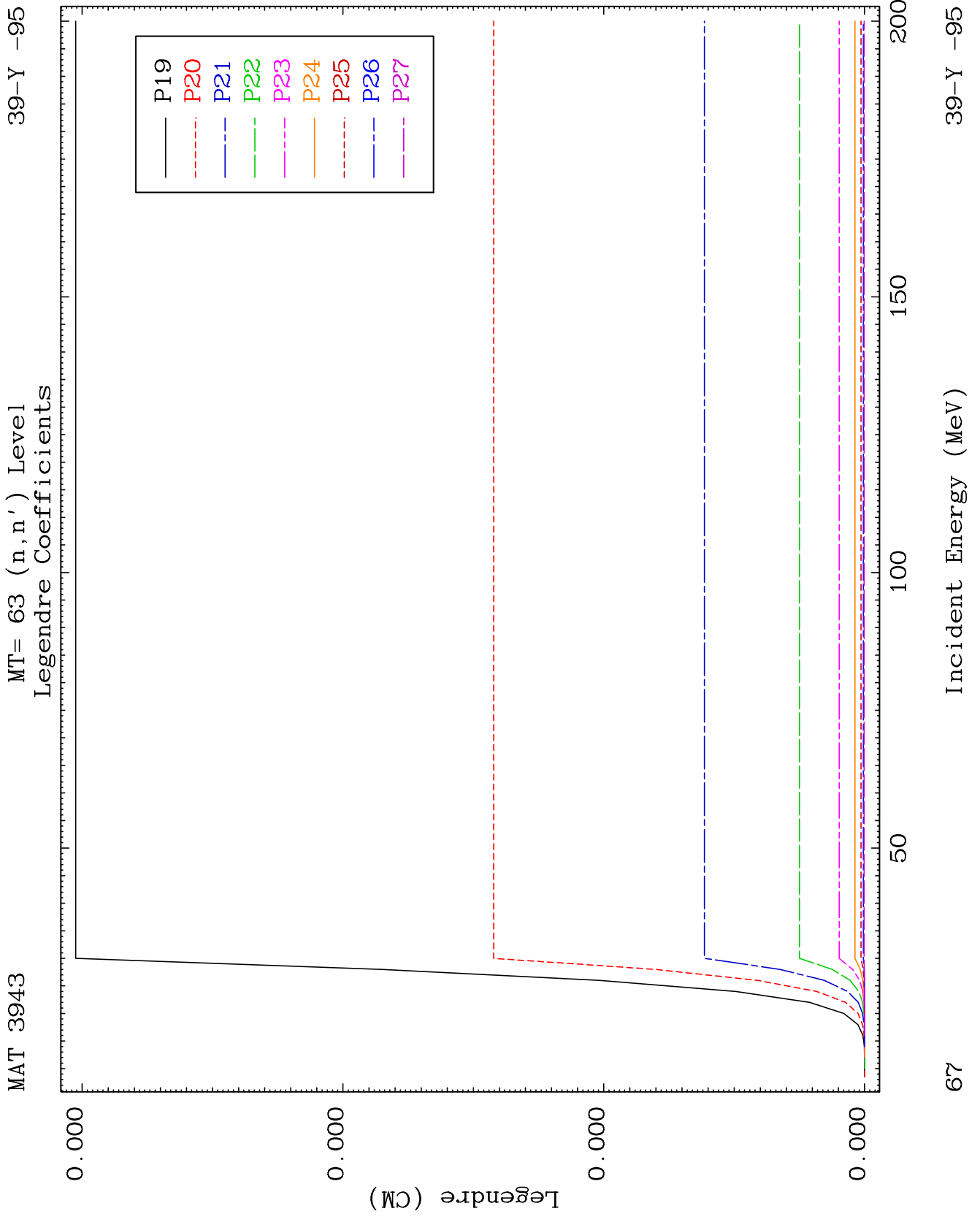
39-Y -95



66

Incident Energy (MeV)

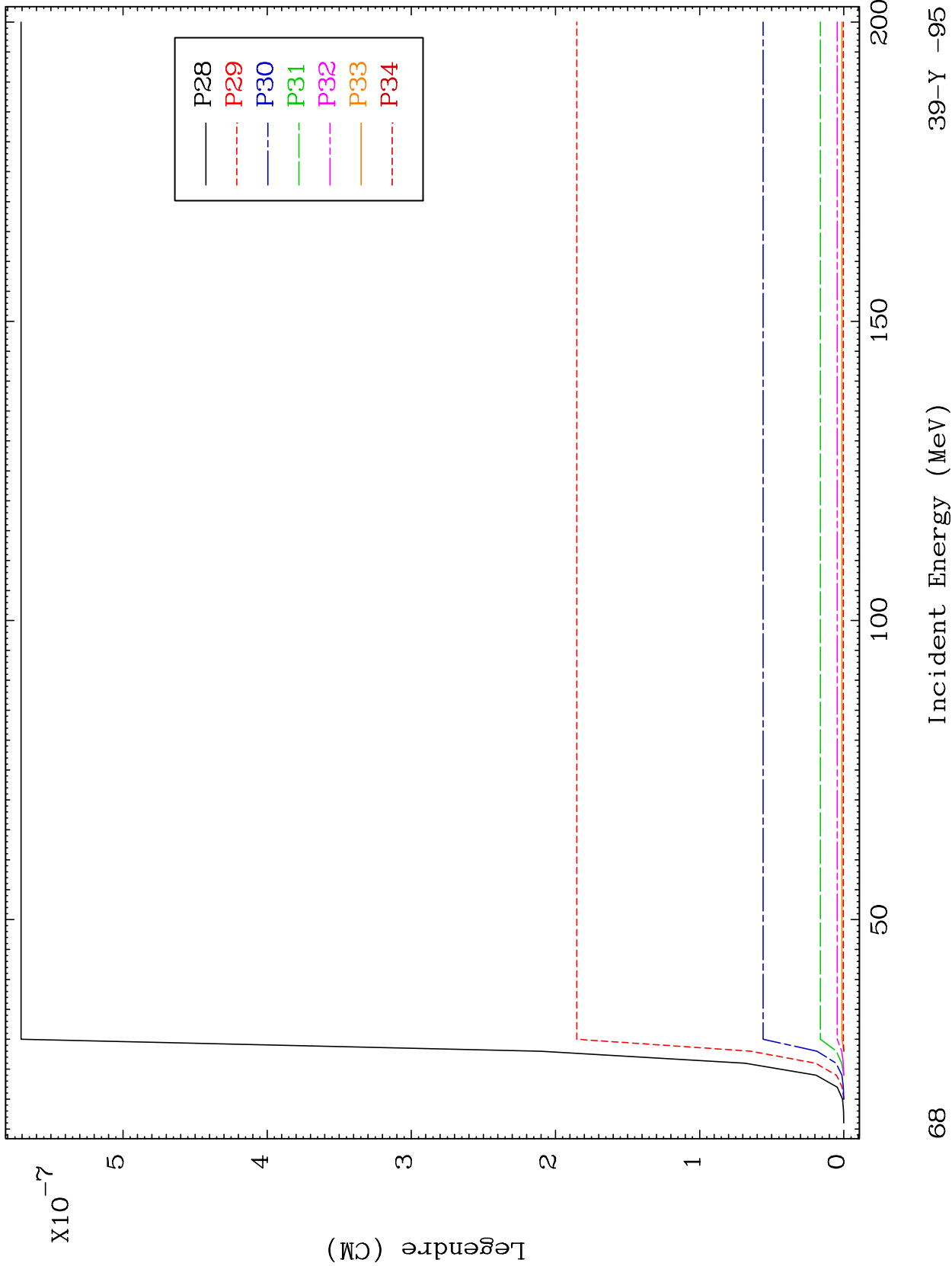
39-Y -95



MAT 3943

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

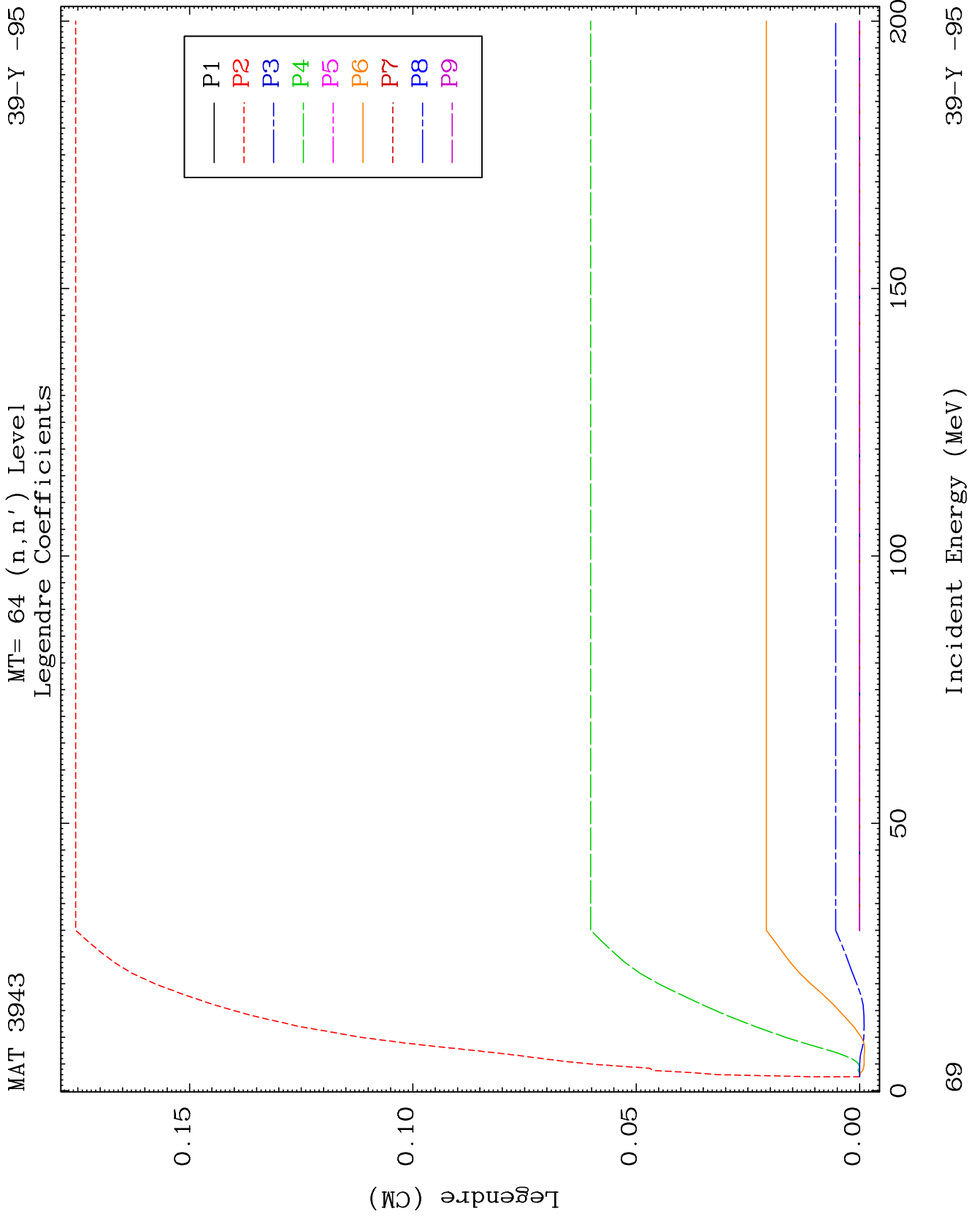
39-Y -95



68

Incident Energy (MeV)

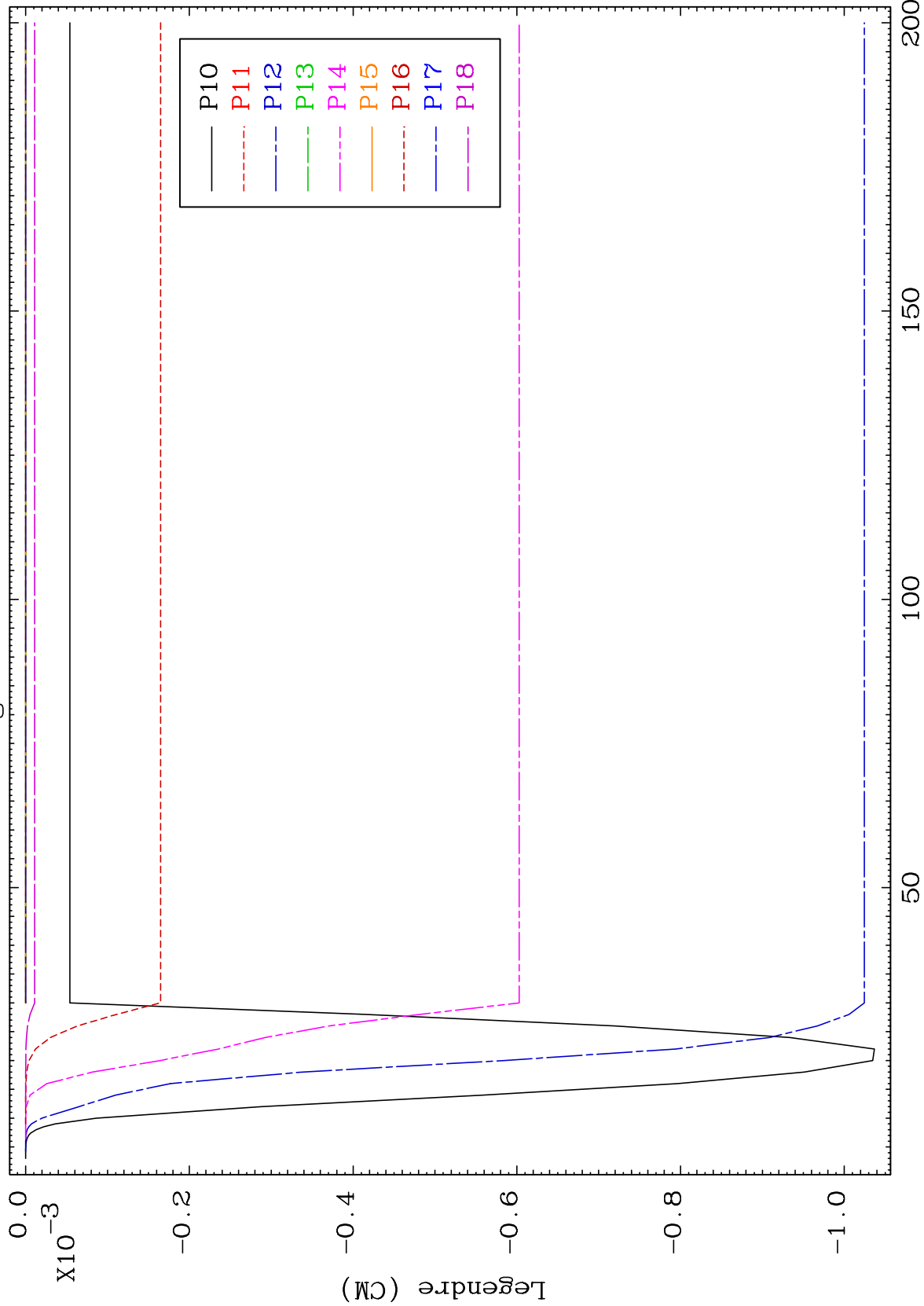
39-Y -95



MAT 3943

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

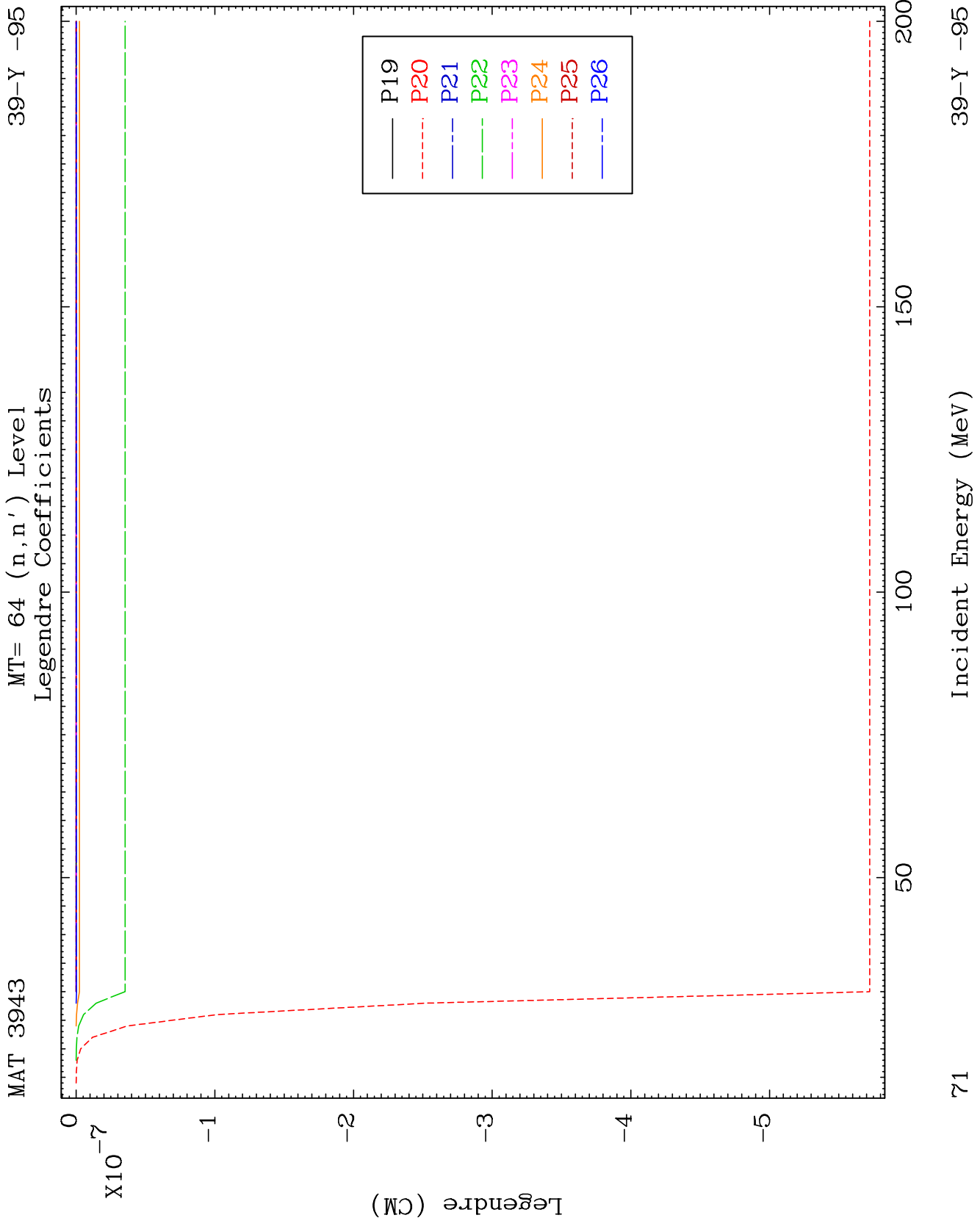
39-Y -95



70

Incident Energy (MeV)

39-Y -95

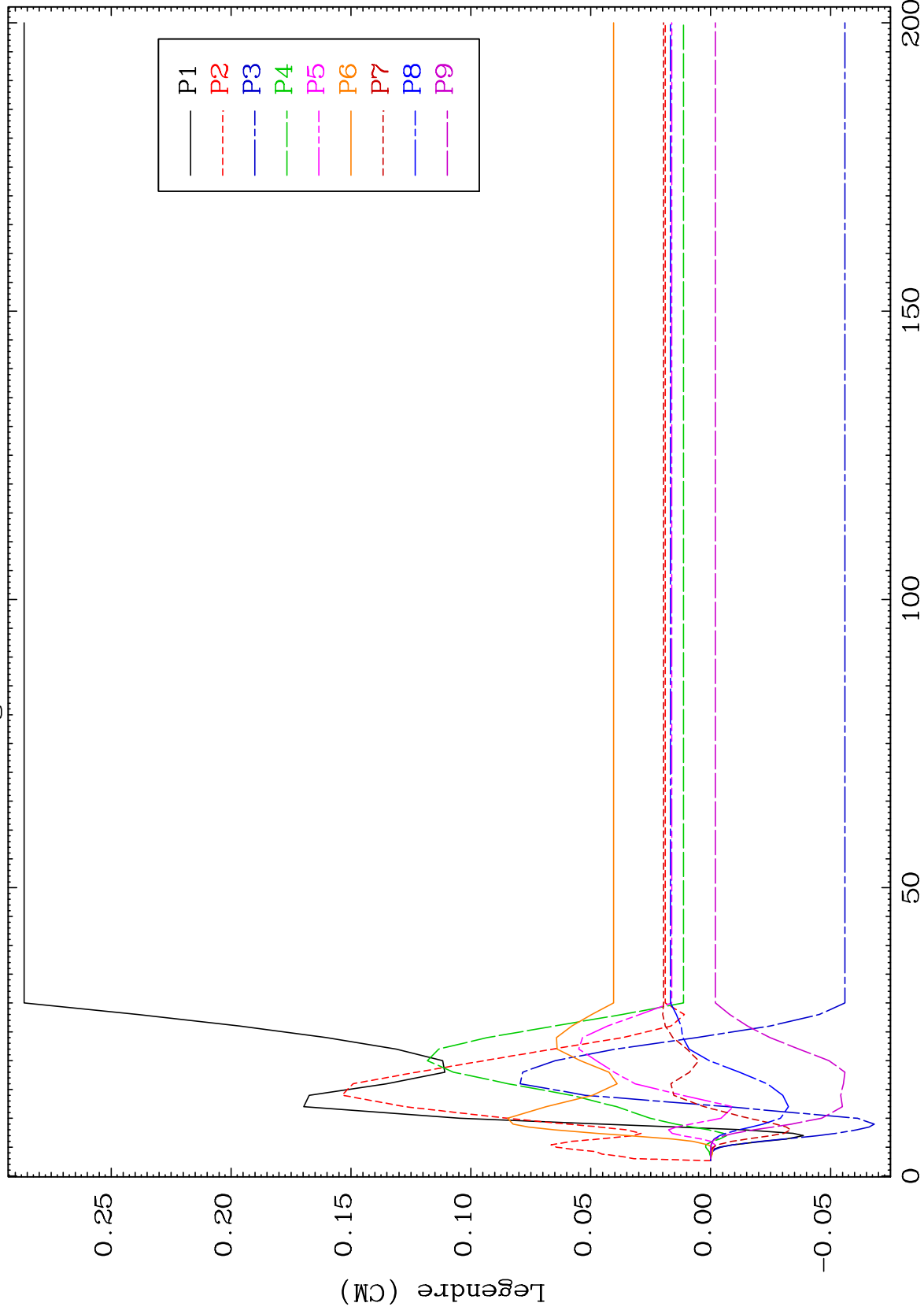




MAT 3943

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

39-Y -95



72

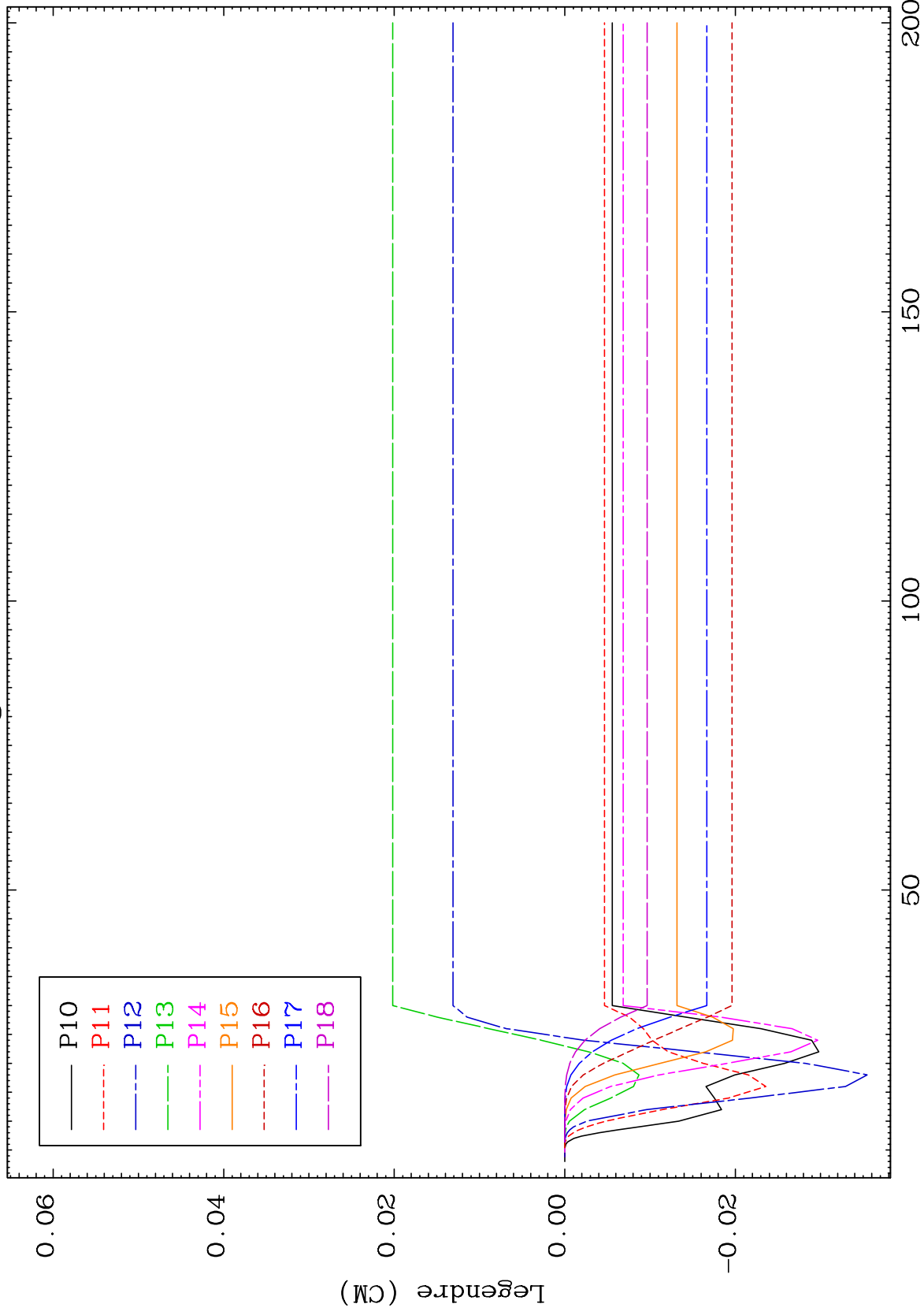
Incident Energy (MeV)

39-Y -95

MAT 3943

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

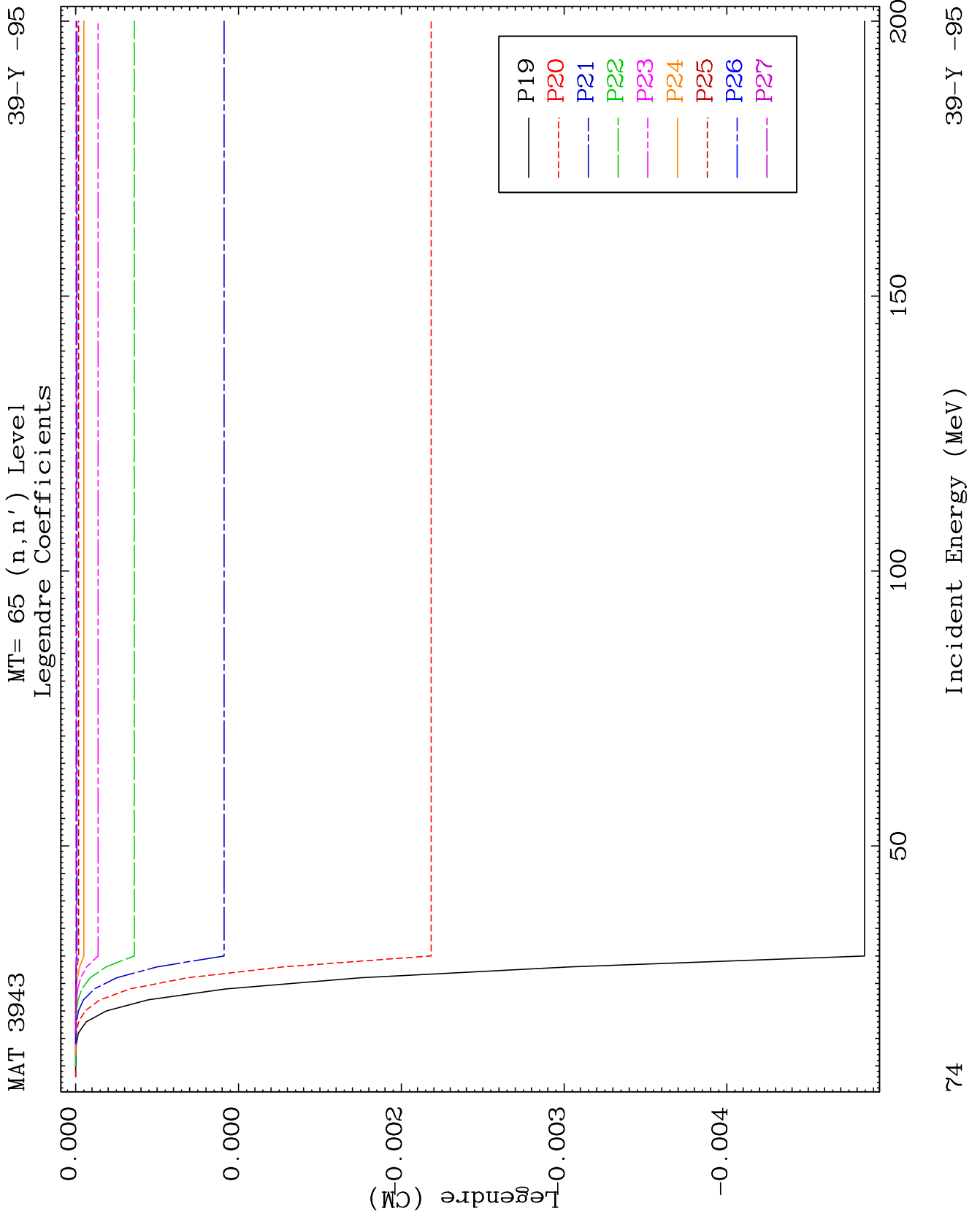
39-Y -95

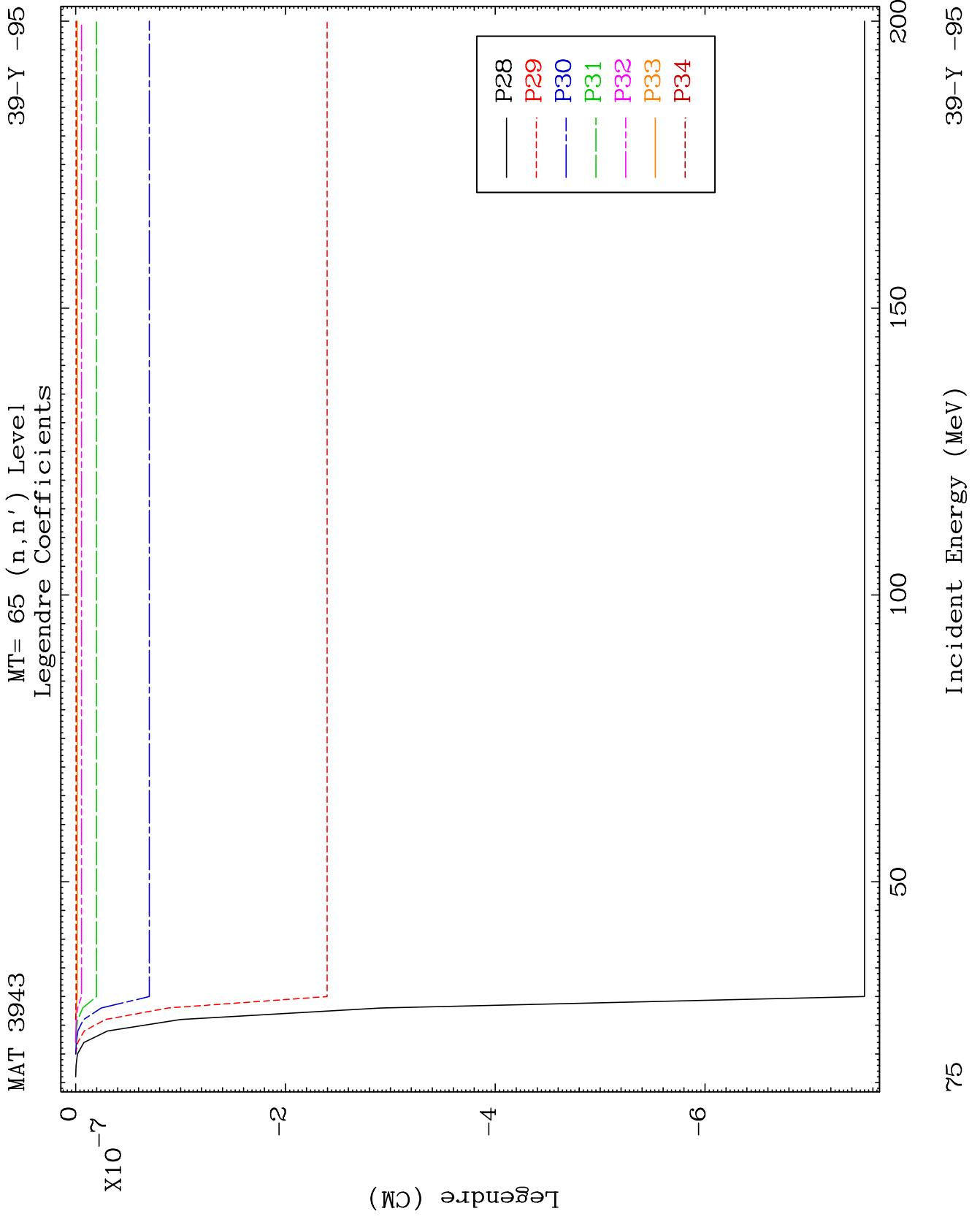


73

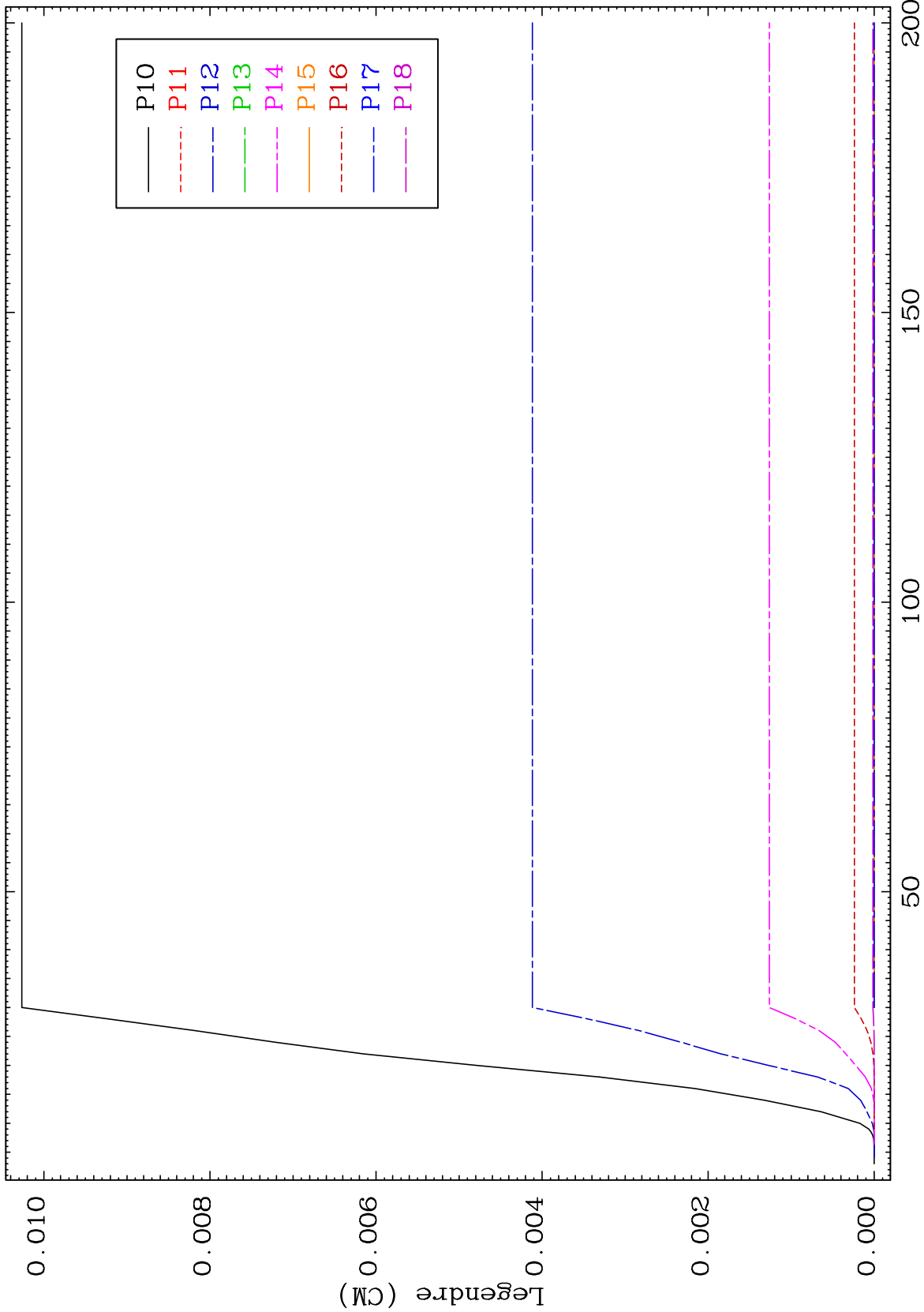
Incident Energy (MeV)

39-Y -95







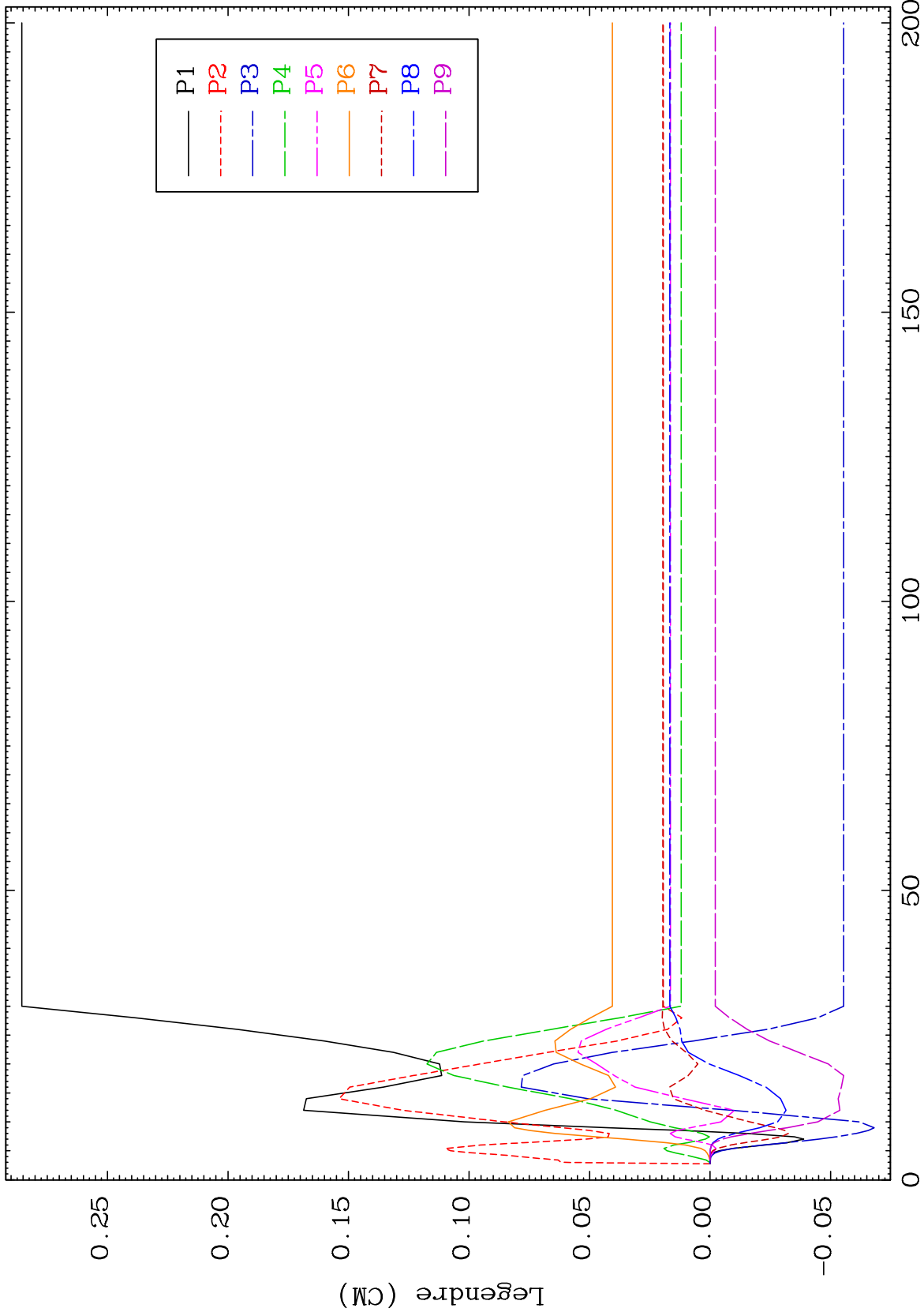




MAT 3943

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

39-Y -95



79

Incident Energy (MeV)

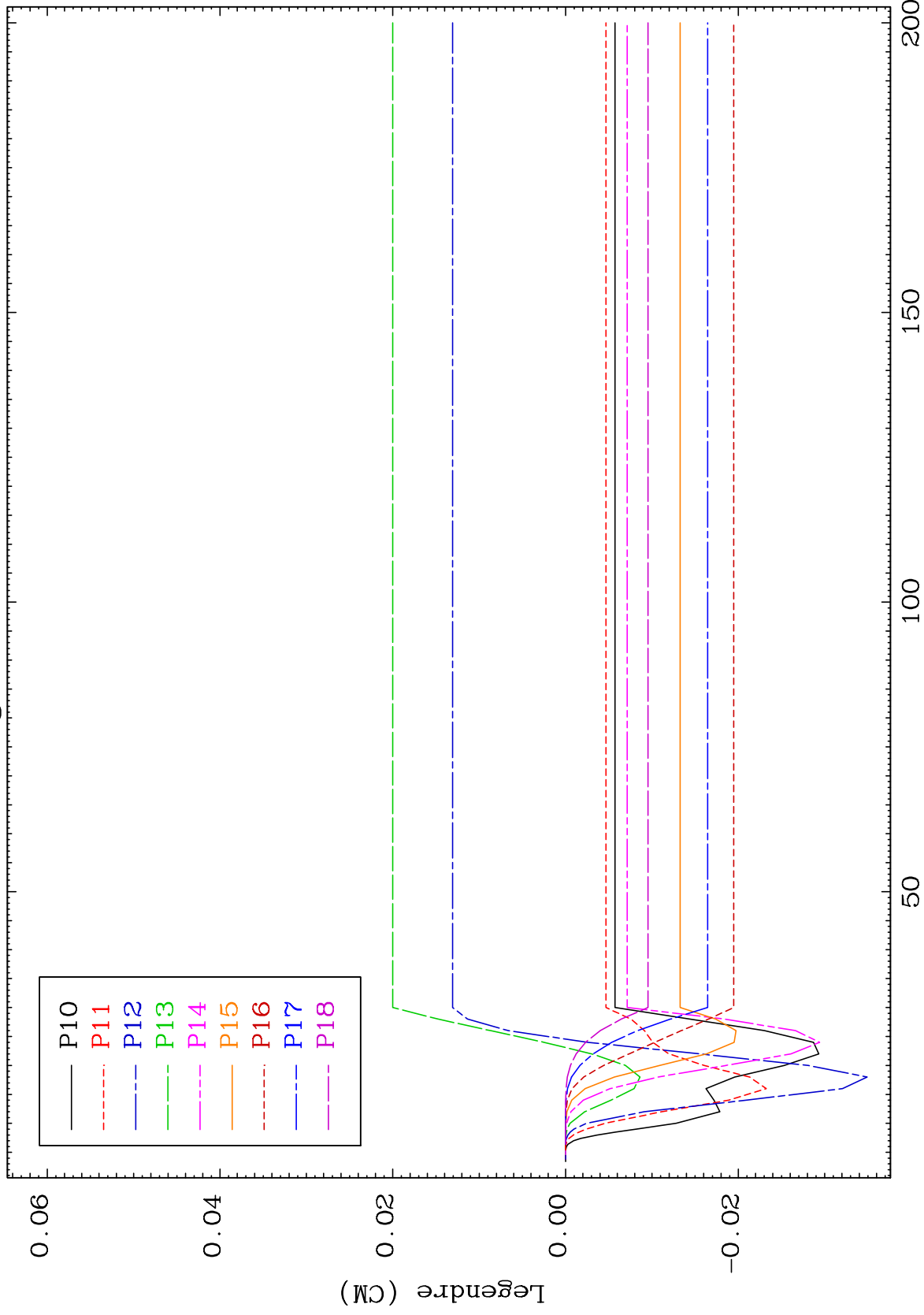
39-Y -95



MAT 3943

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

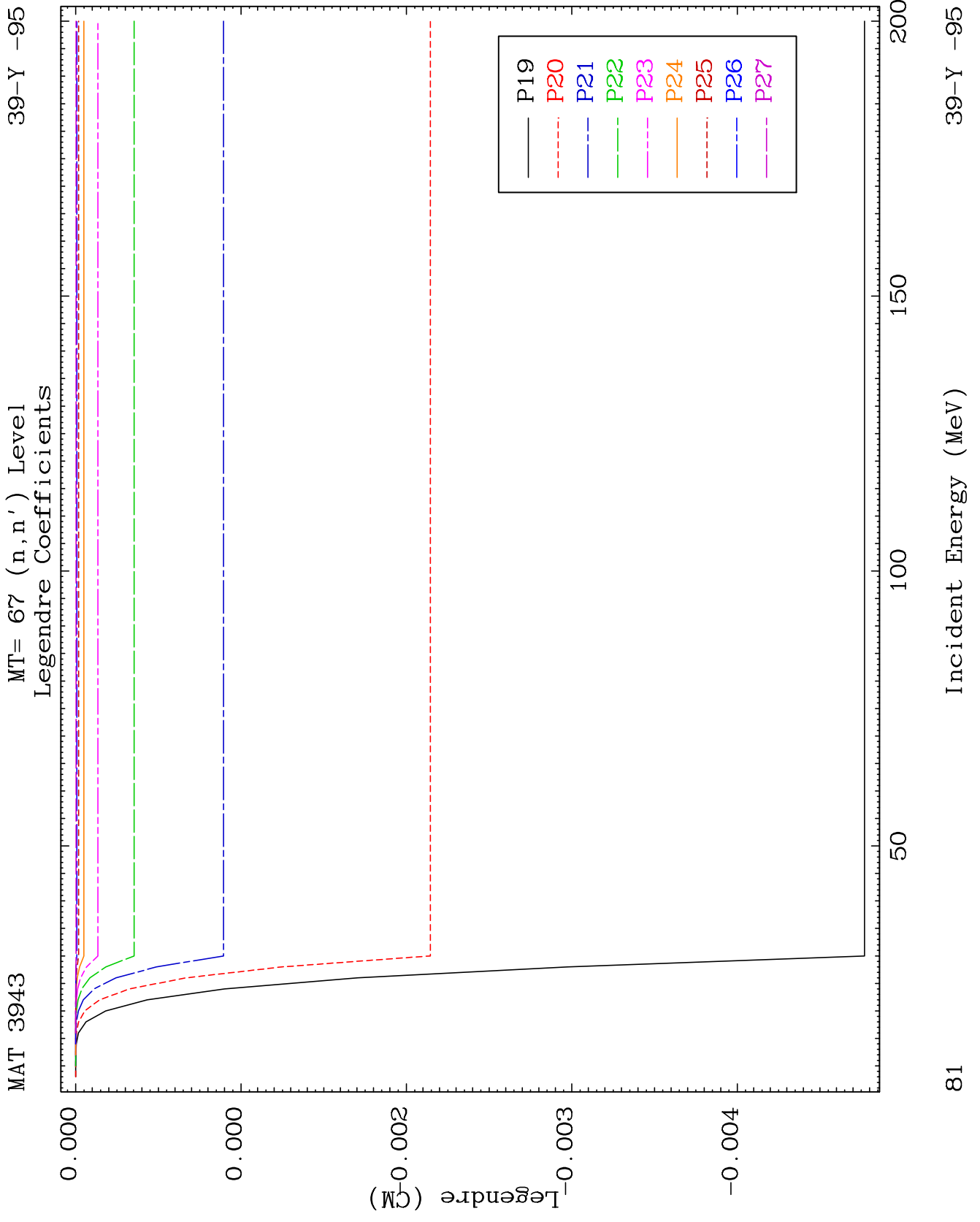
39-Y -95

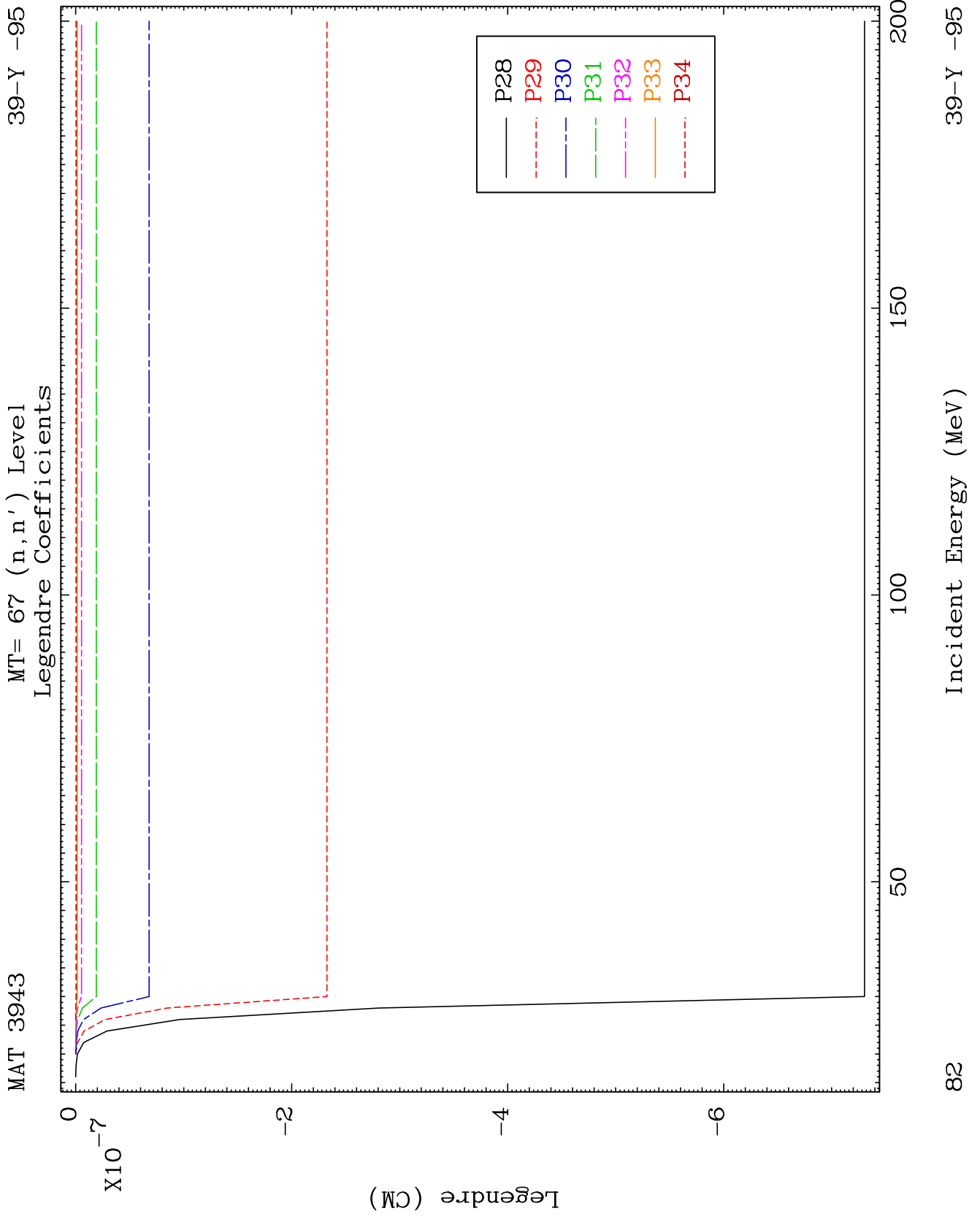


80

Incident Energy (MeV)

39-Y -95

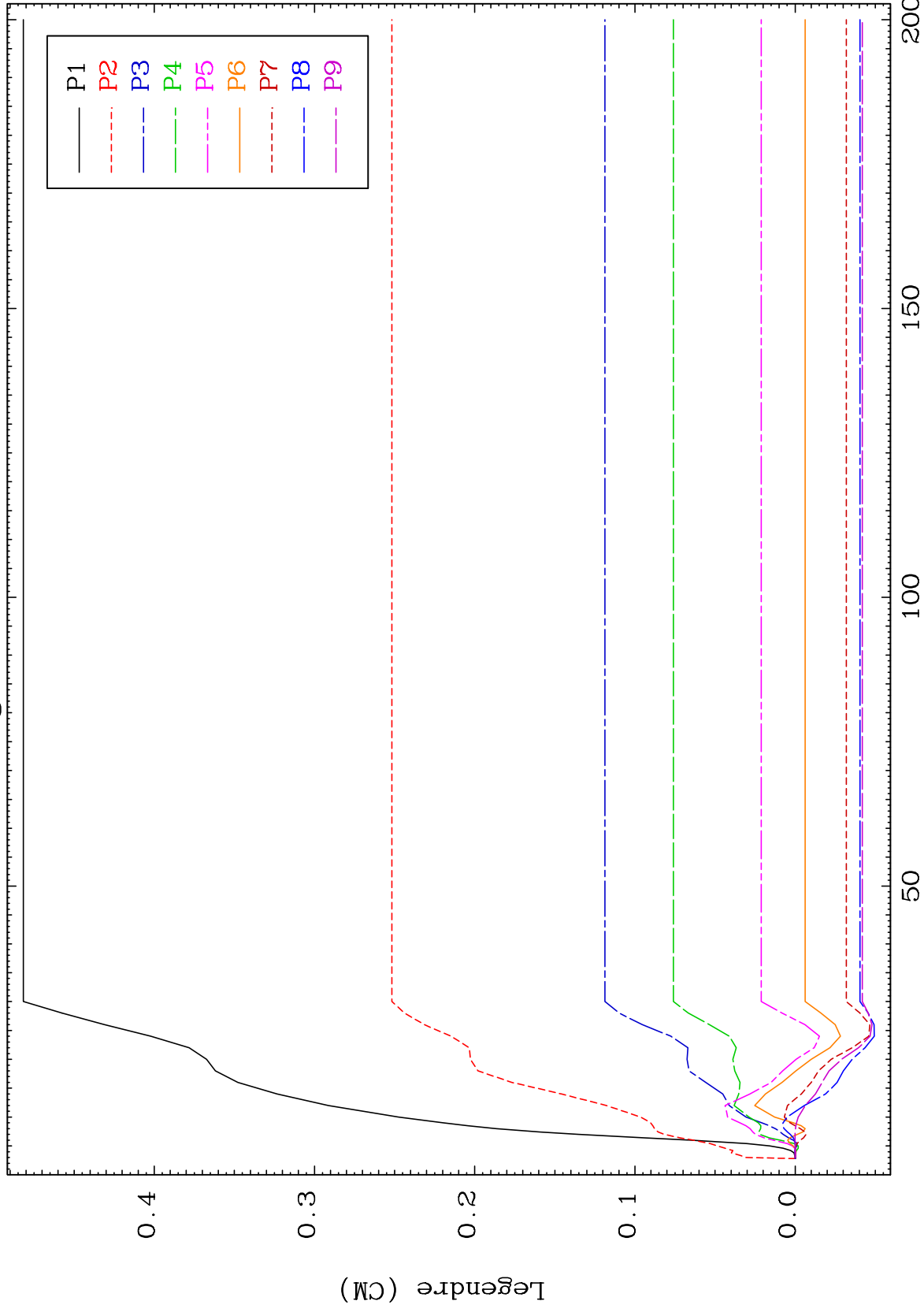




MAT 3943

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

39-Y -95



83

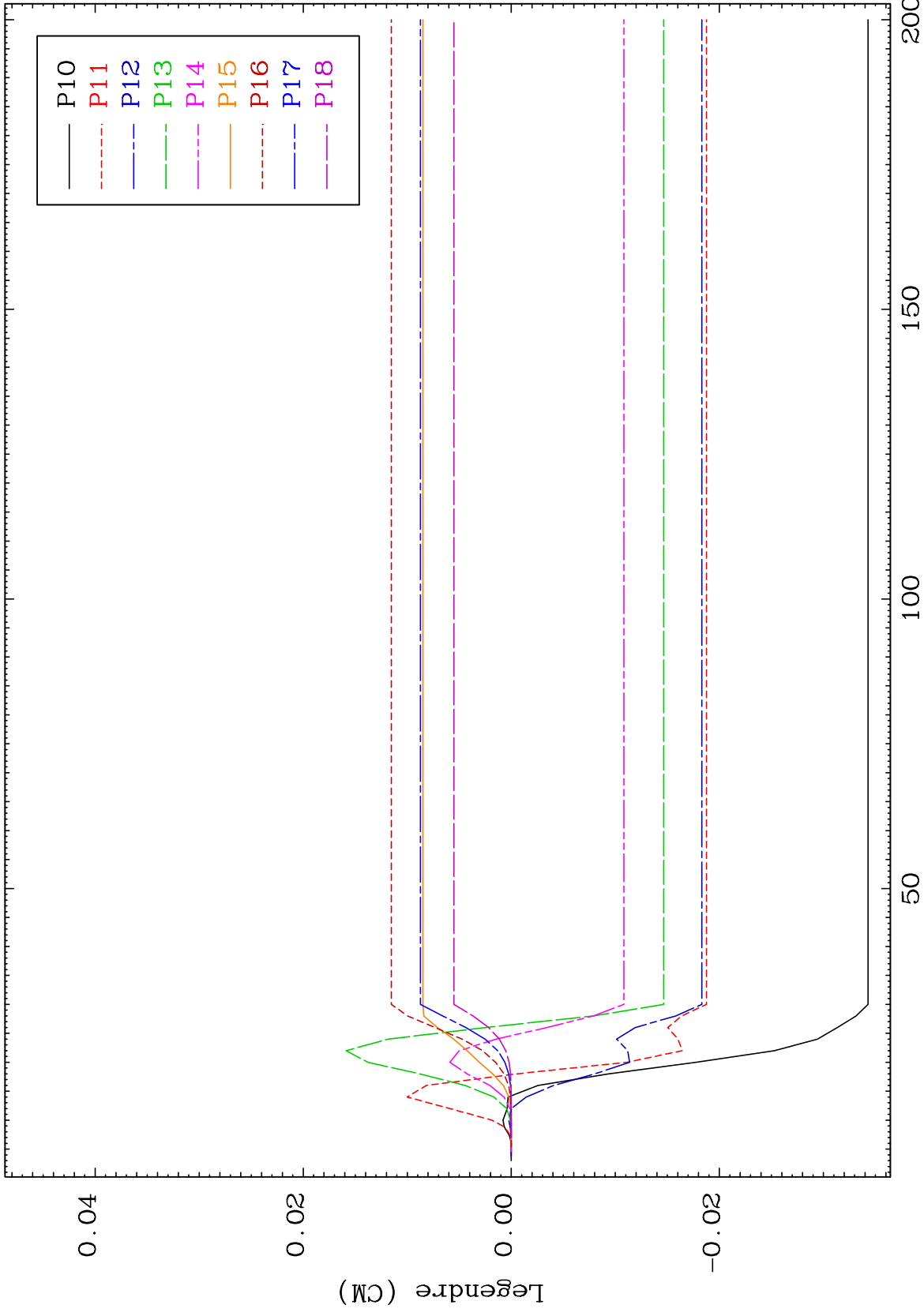
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



84

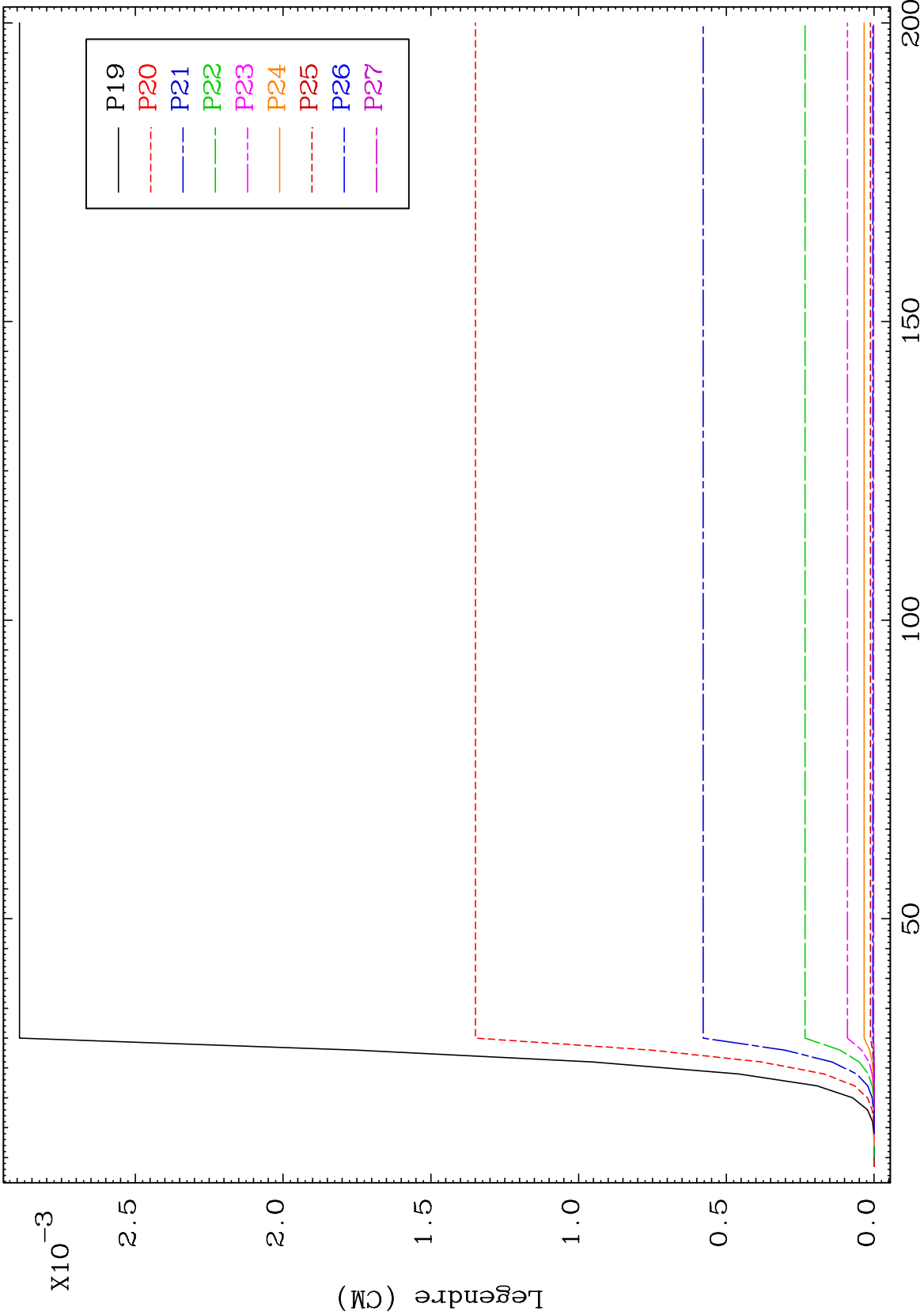
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



85

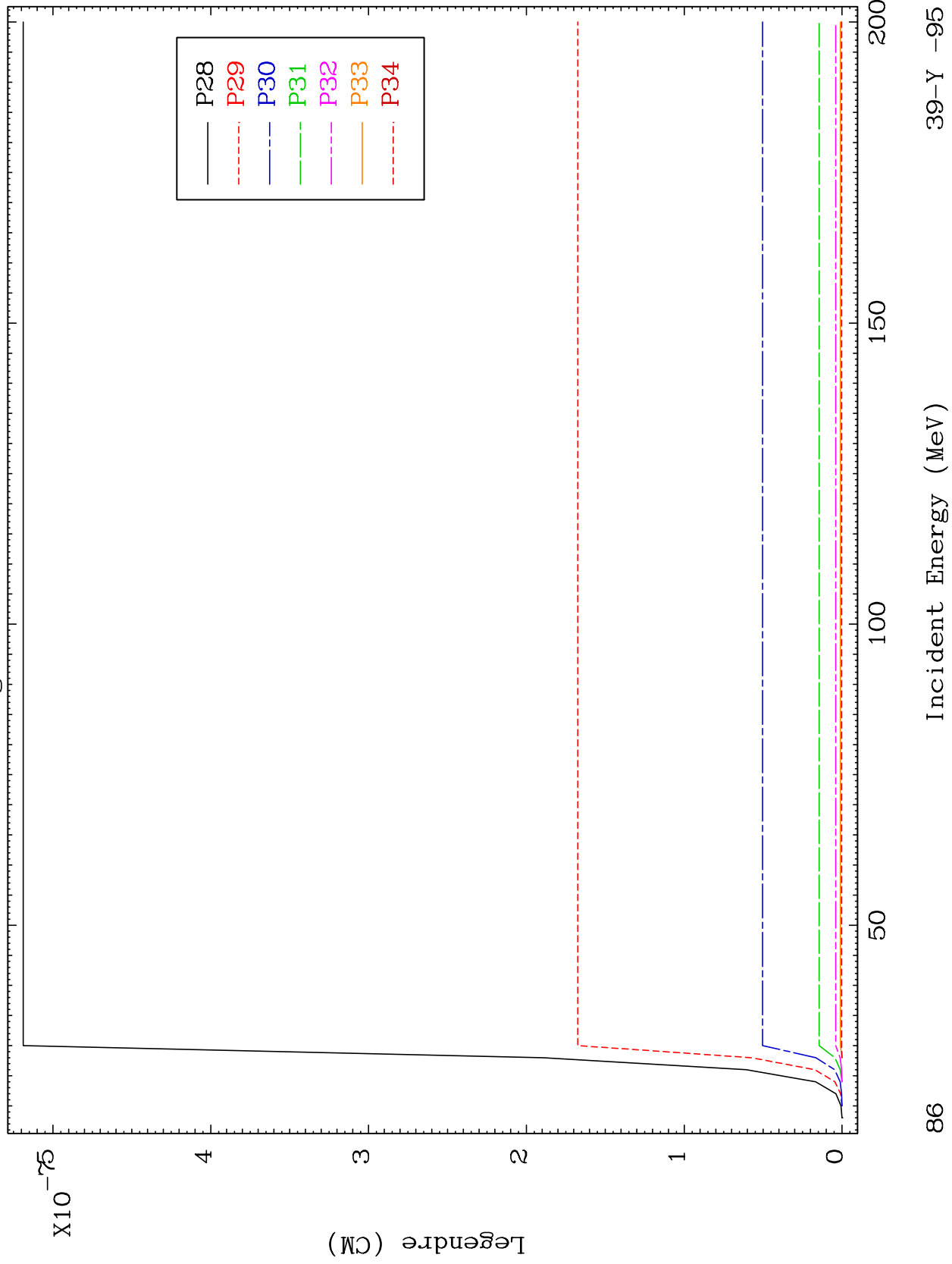
Incident Energy (MeV)

39-Y -95

MAT 3943

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

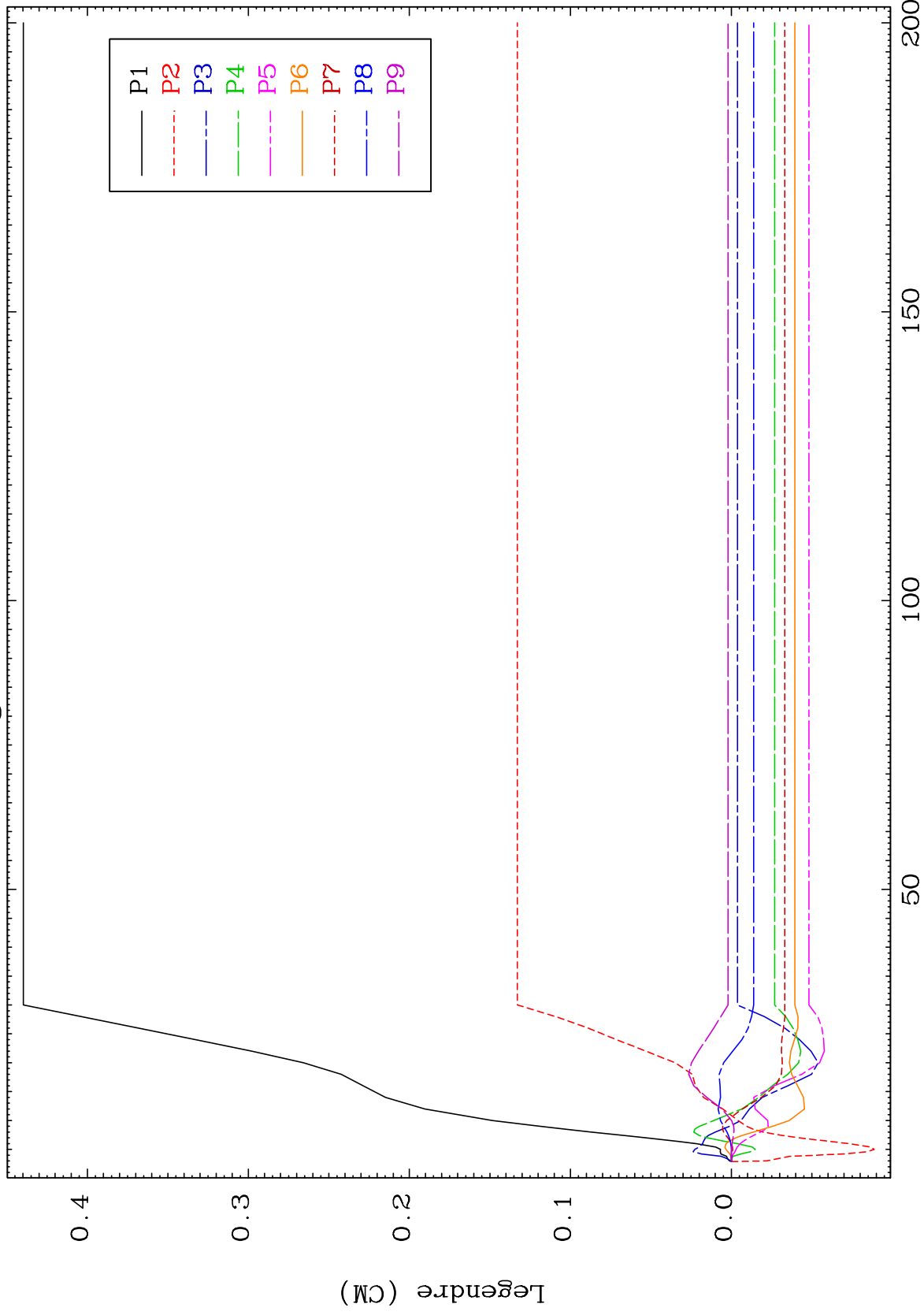
39-Y -95



MAT 3943

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

39-Y -95



87

Incident Energy (MeV)

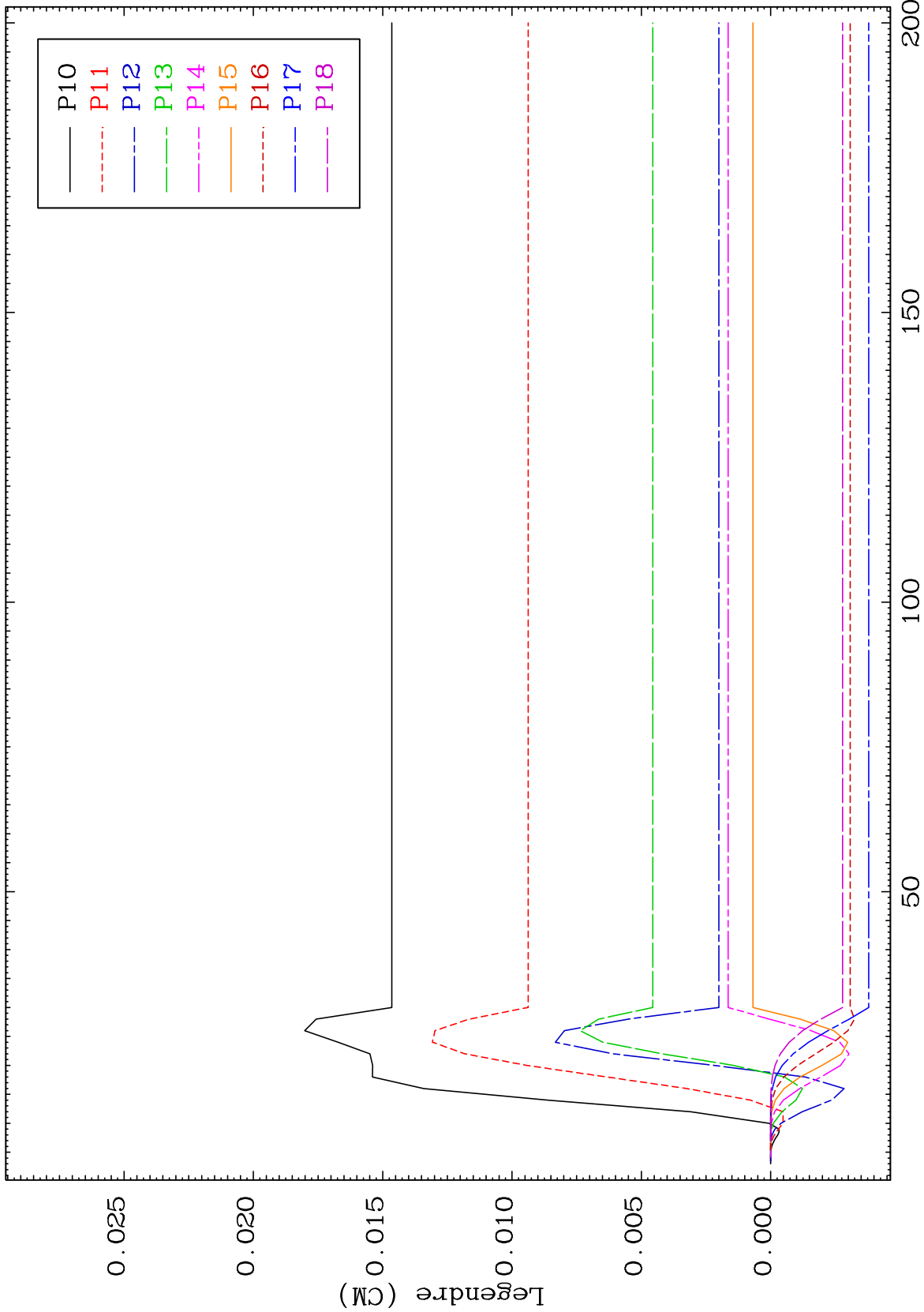
39-Y -95



MAT 3943

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

39-Y -95

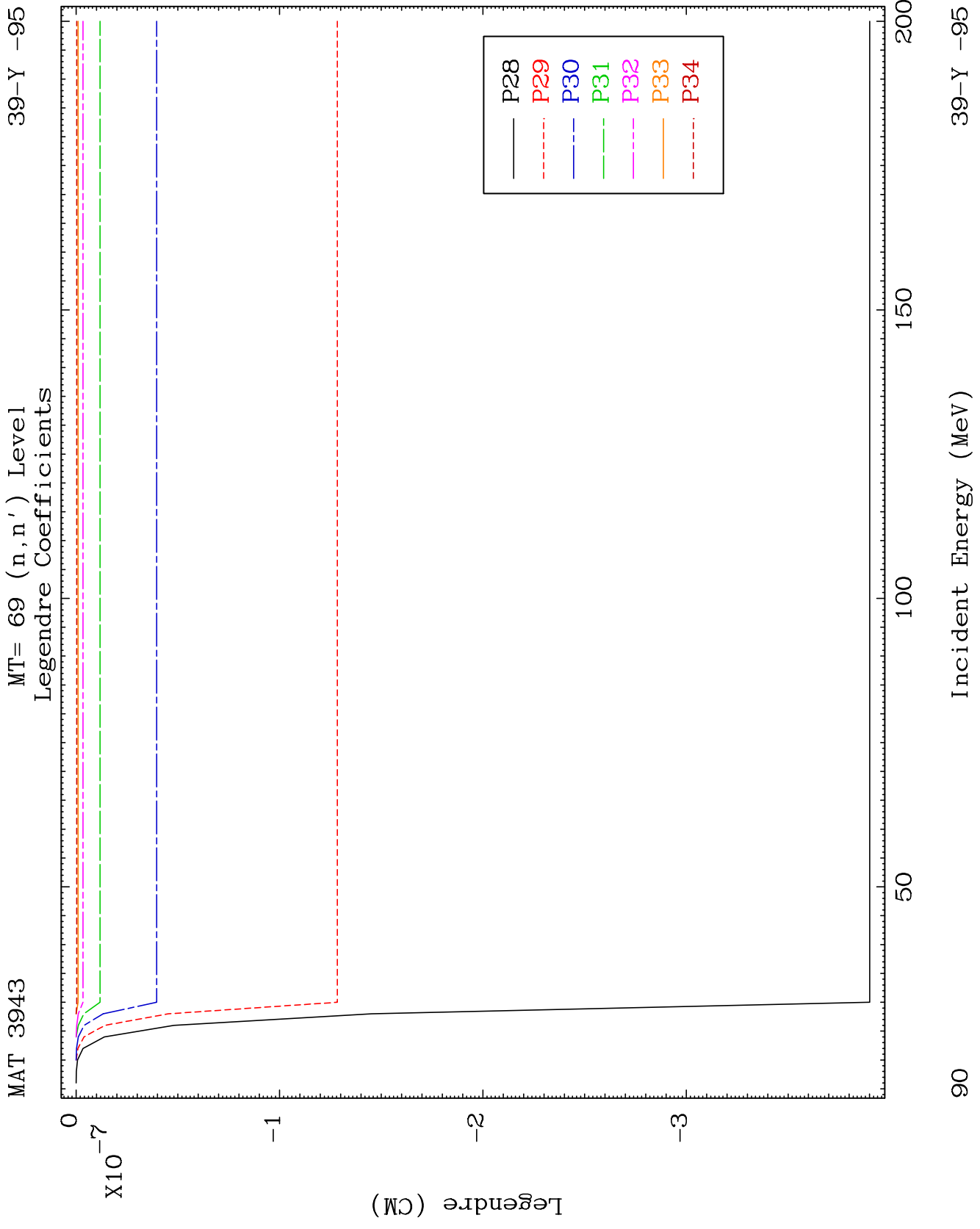


88

Incident Energy (MeV)

39-Y -95

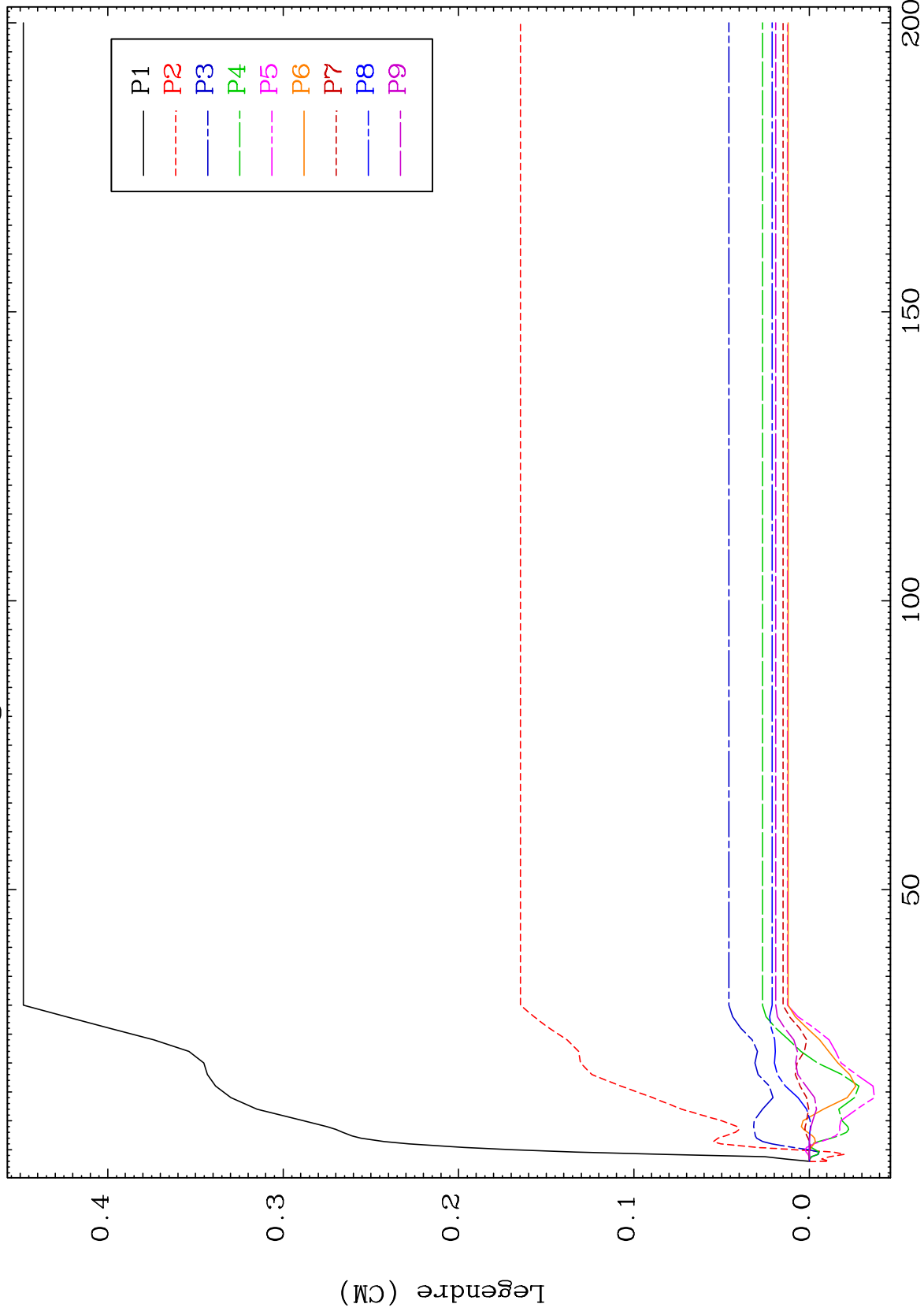




MAT 3943

MT= 70 (n,n') Level  
Legendre Coefficients

39-Y -95



91

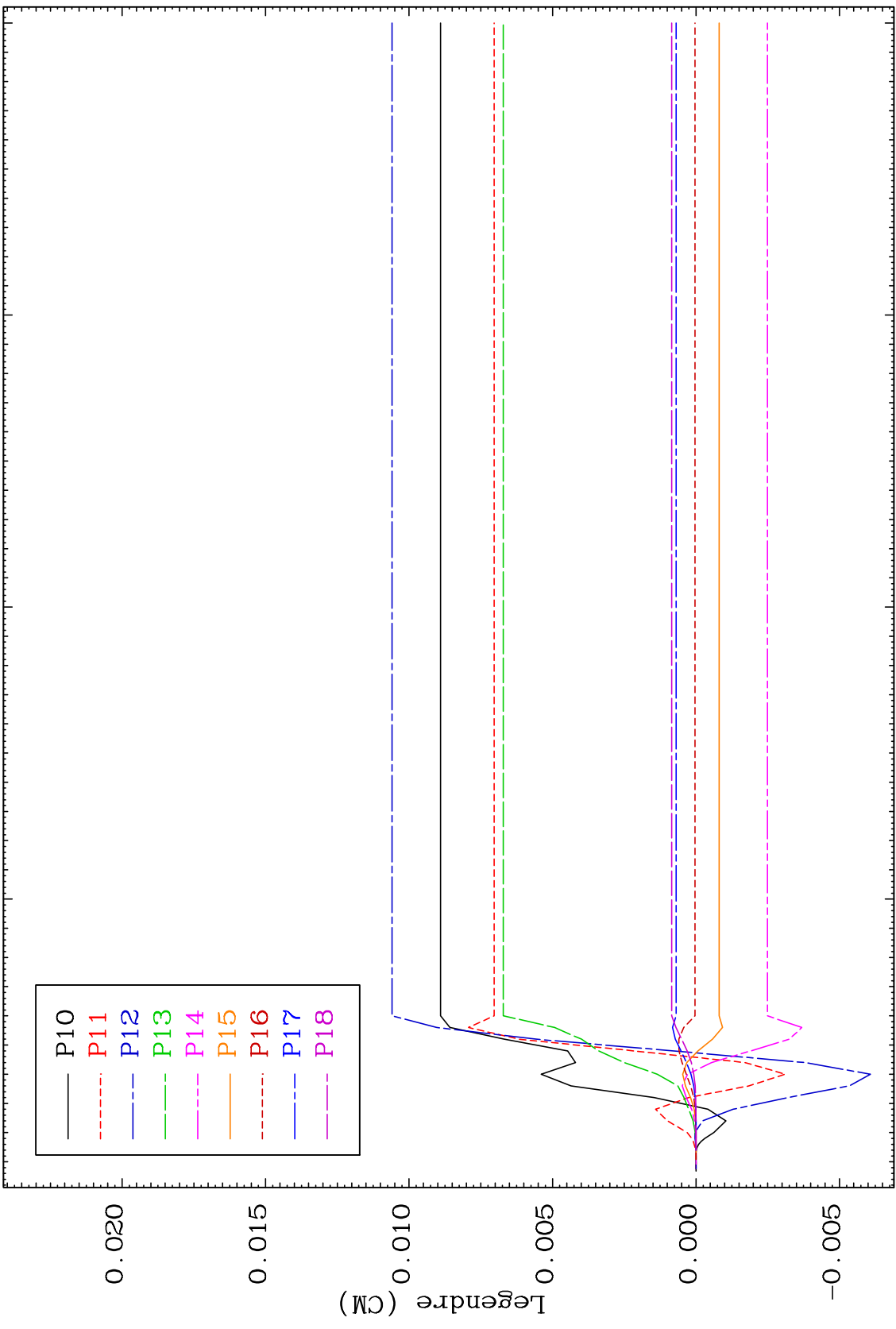
Incident Energy (MeV)

39-Y -95

MAT 3943

MT= 70 (n,n') Level  
Legendre Coefficients

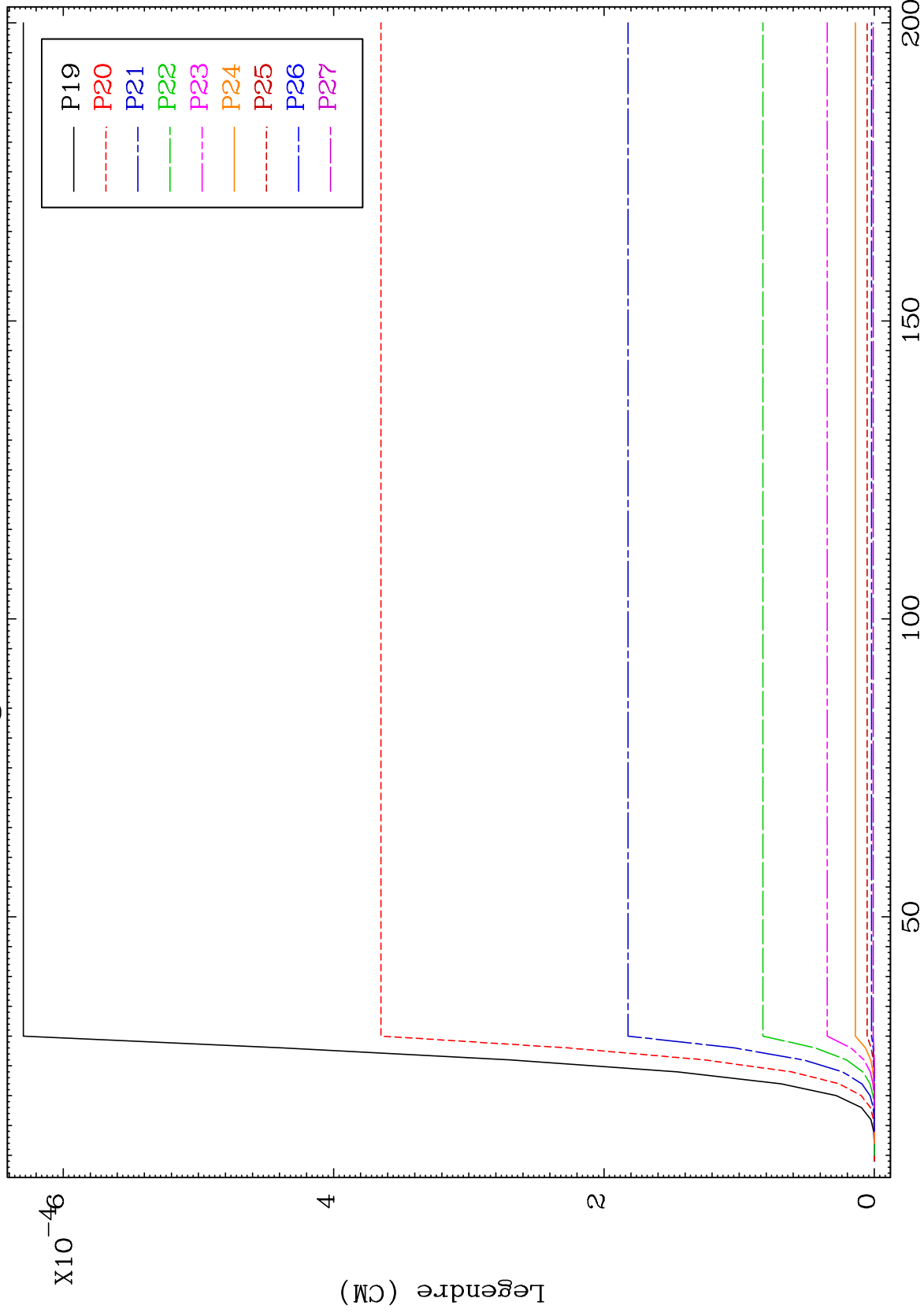
39-Y -95



MAT 3943

MT= 70 (n,n') Level  
Legendre Coefficients

39-Y -95



93

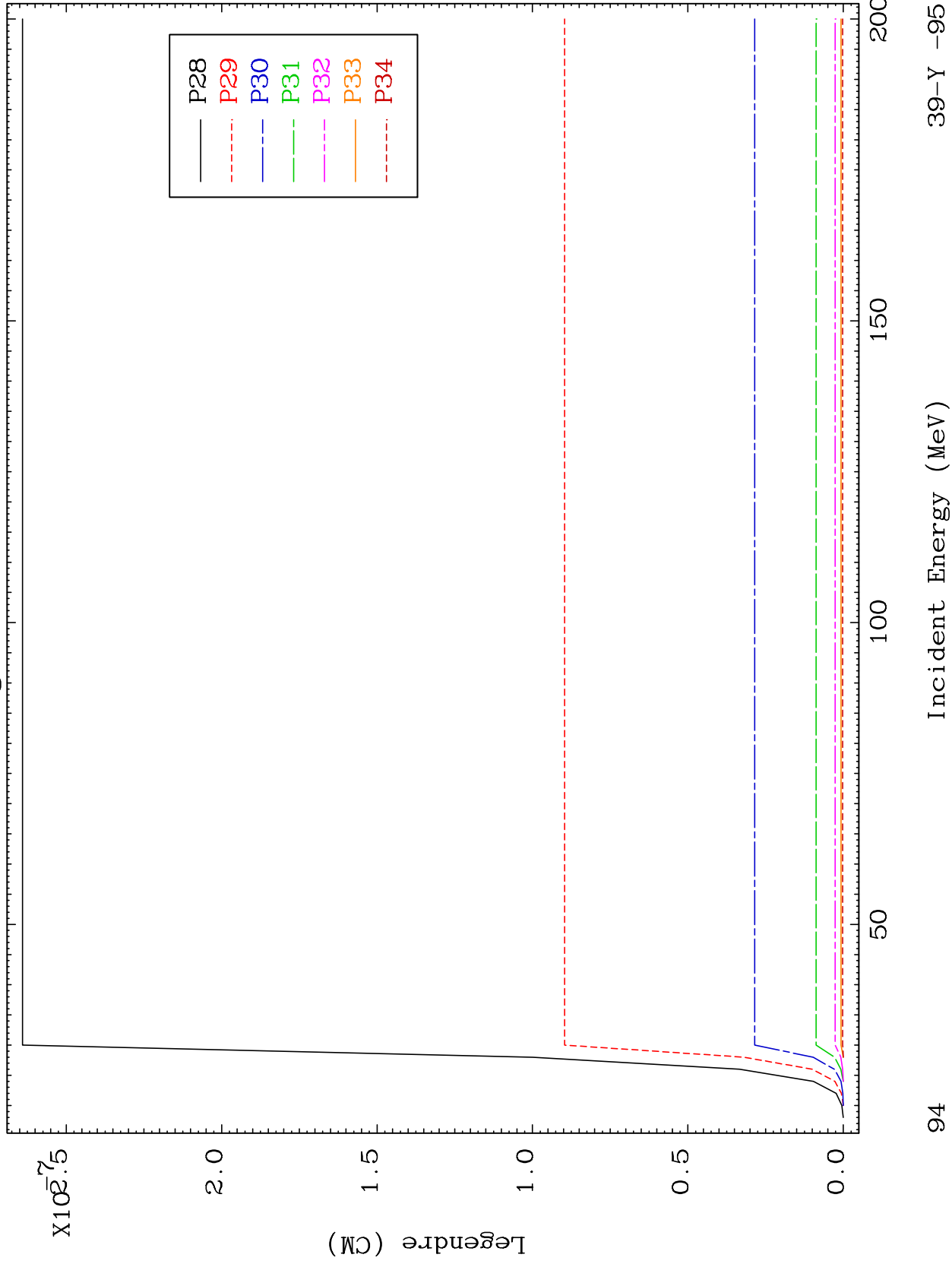
Incident Energy (MeV)

39-Y -95

MAT 3943

MT= 70 (n,n') Level  
Legendre Coefficients

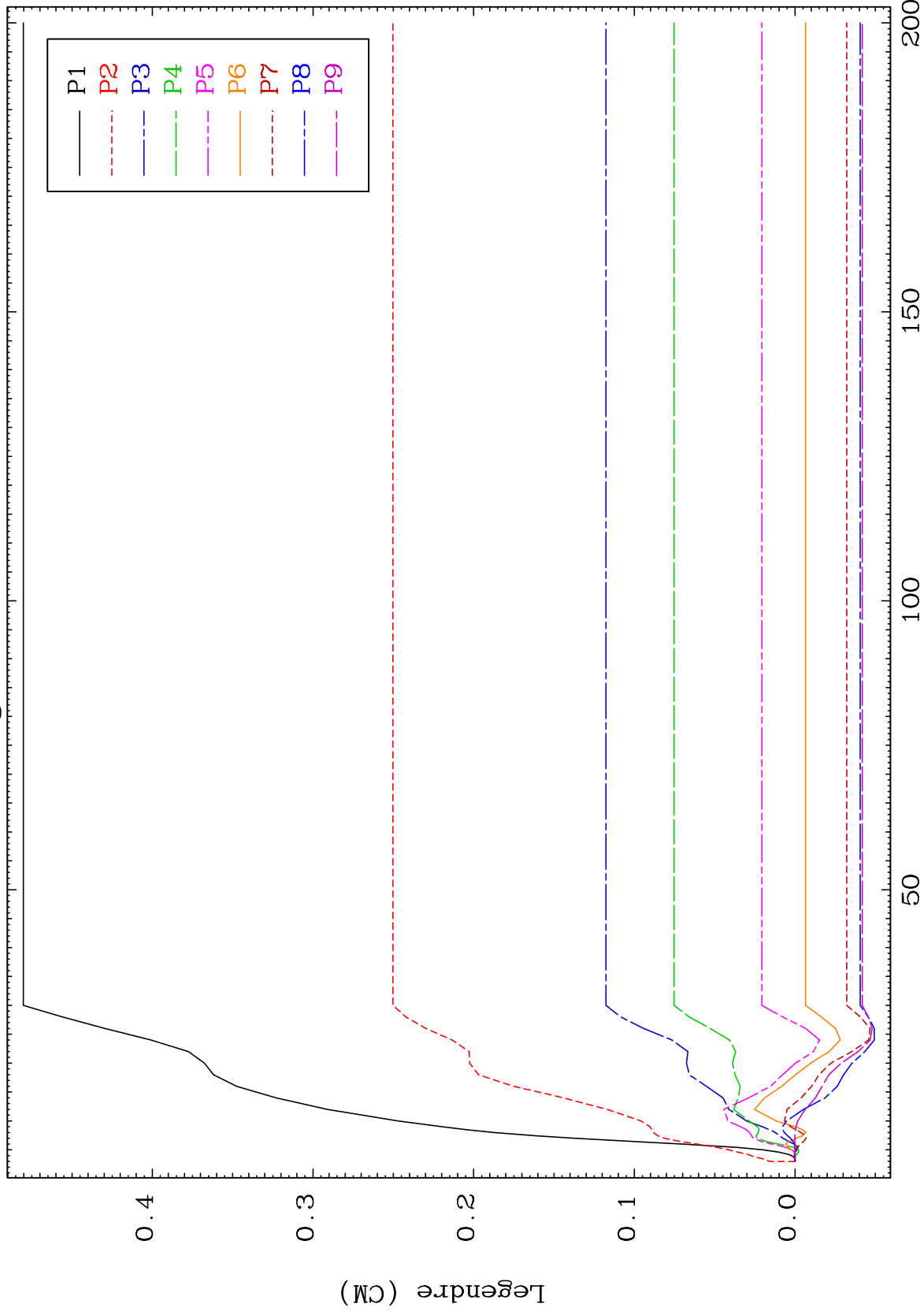
39-Y -95



MAT 3943

MT= 71 (n,n') Level  
Legendre Coefficients

39-Y -95



95

Incident Energy (MeV)

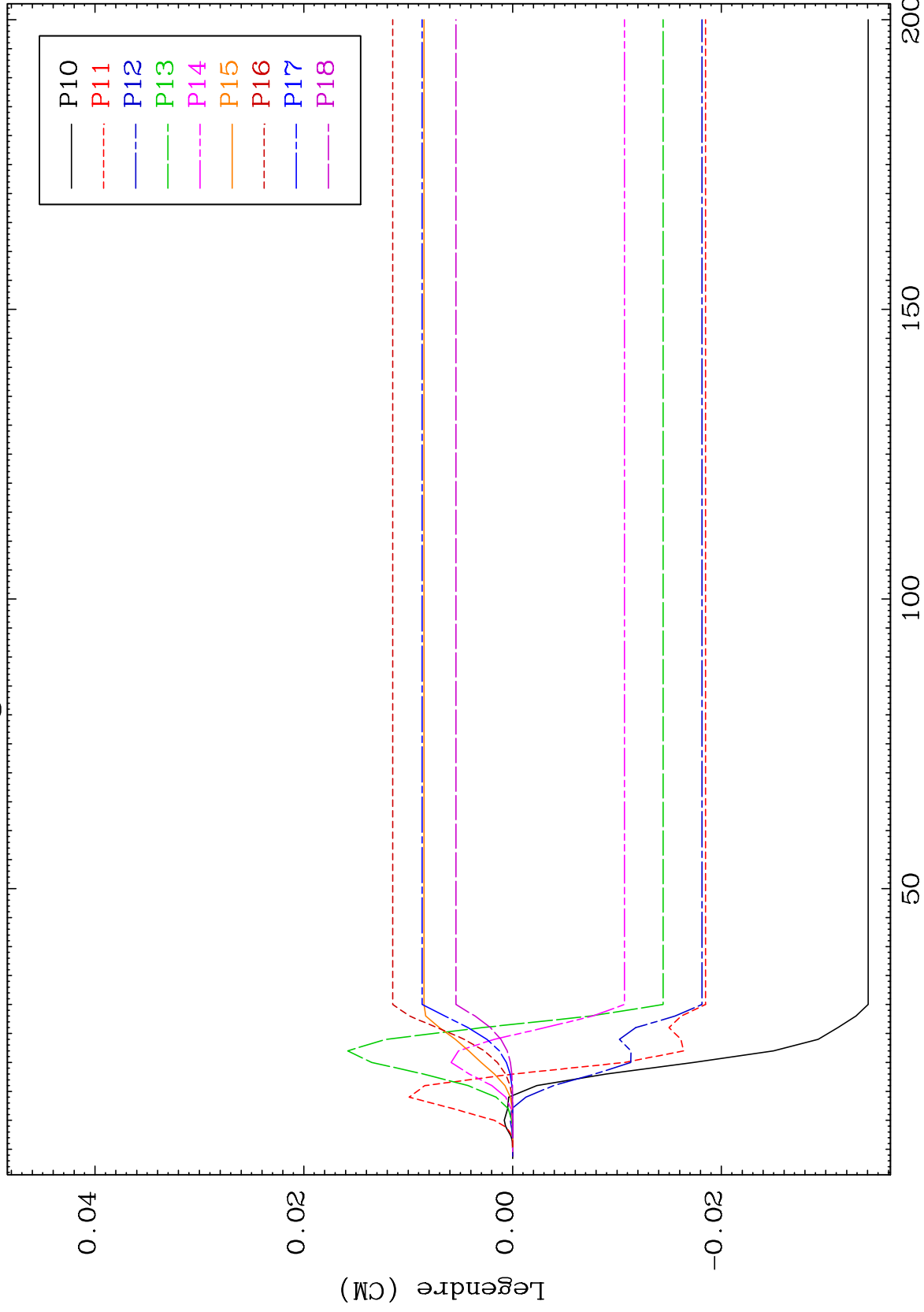
39-Y -95



MAT 3943

MT= 71 (n,n') Level  
Legendre Coefficients

39-Y -95



96

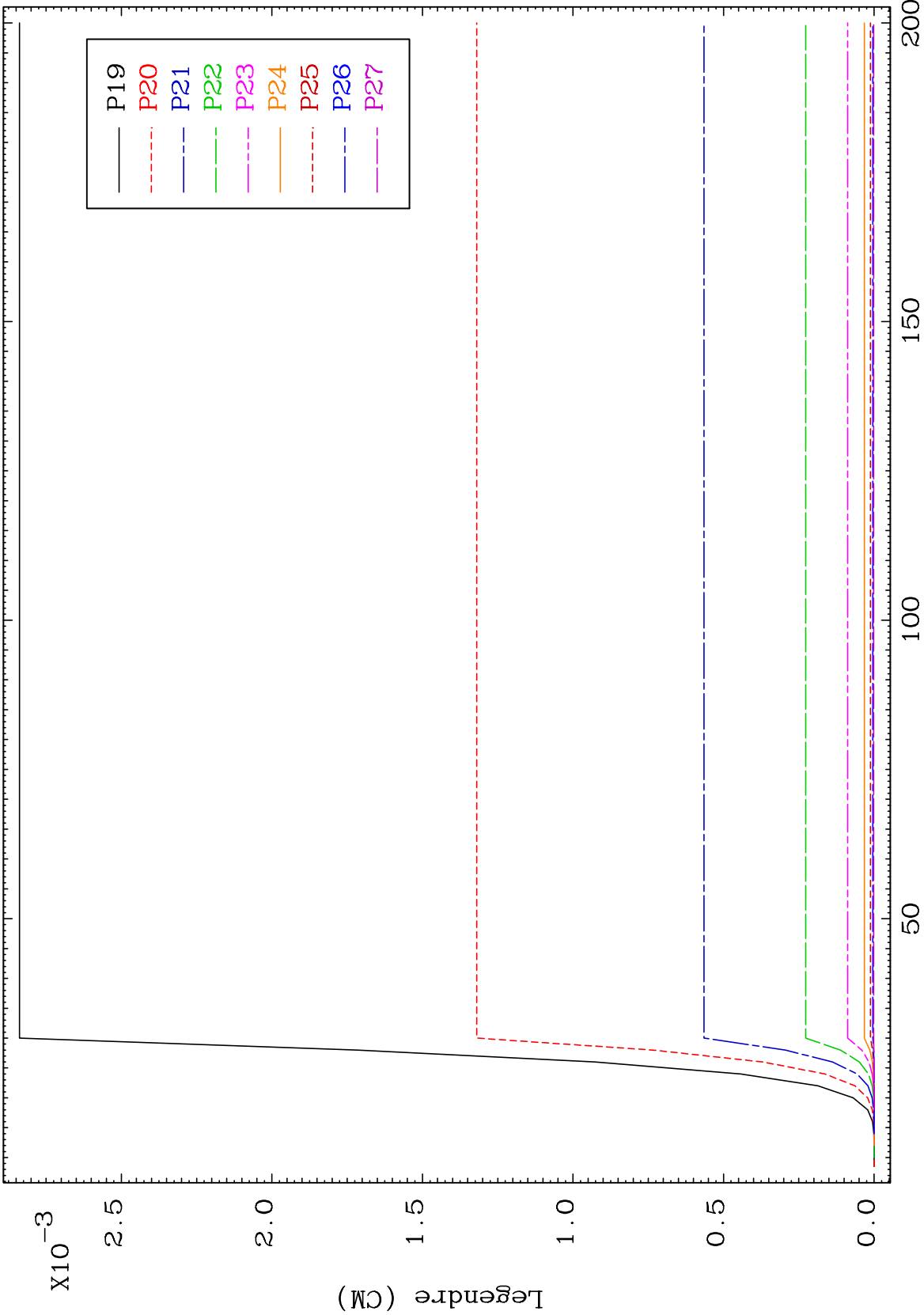
Incident Energy (MeV)

39-Y -95

MAT 3943

MT= 71 (n,n') Level  
Legendre Coefficients

39-Y -95



97

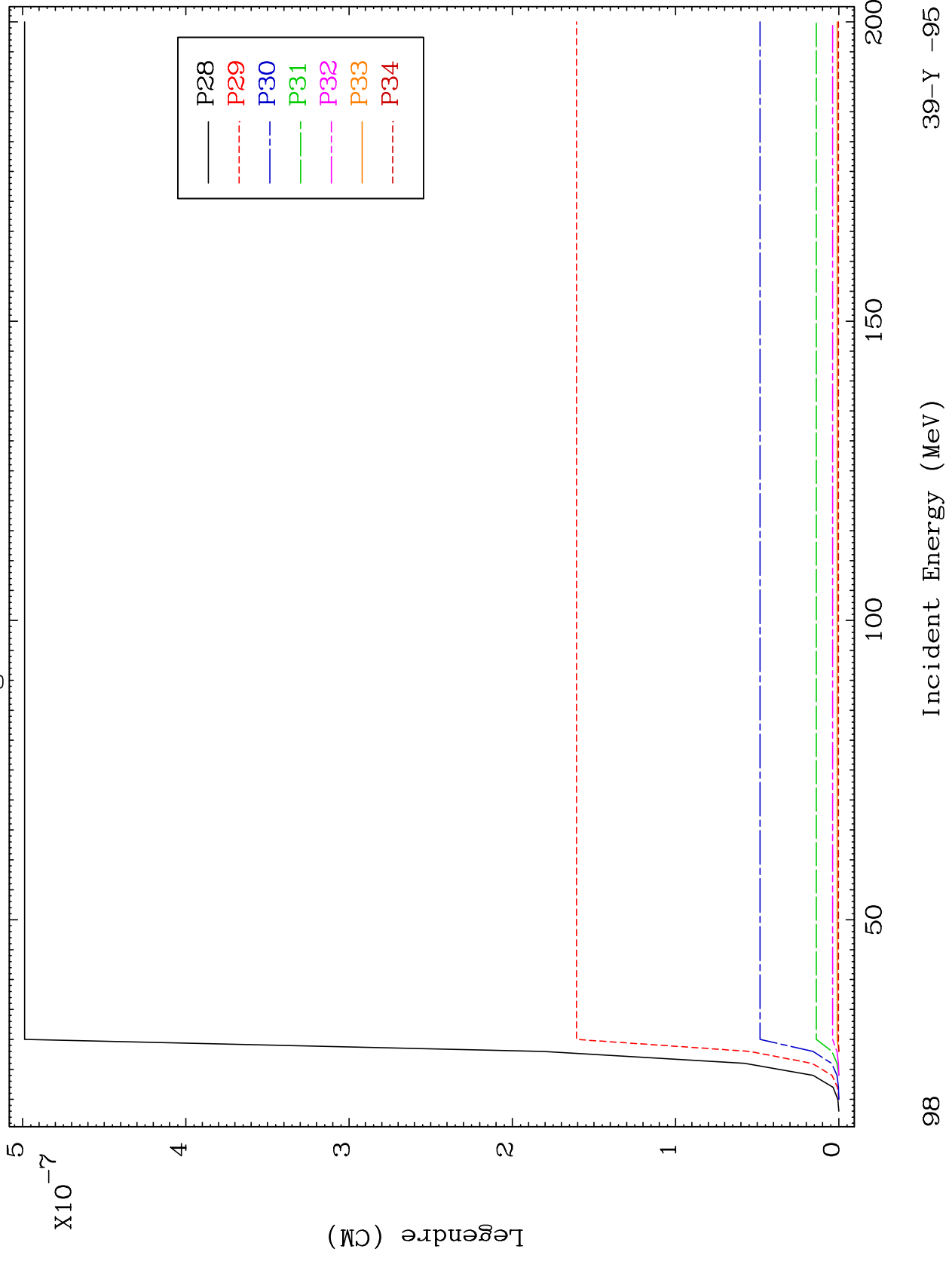
Incident Energy (MeV)

39-Y -95

MAT 3943

MT= 71 (n,n') Level  
Legendre Coefficients

39-Y -95



98

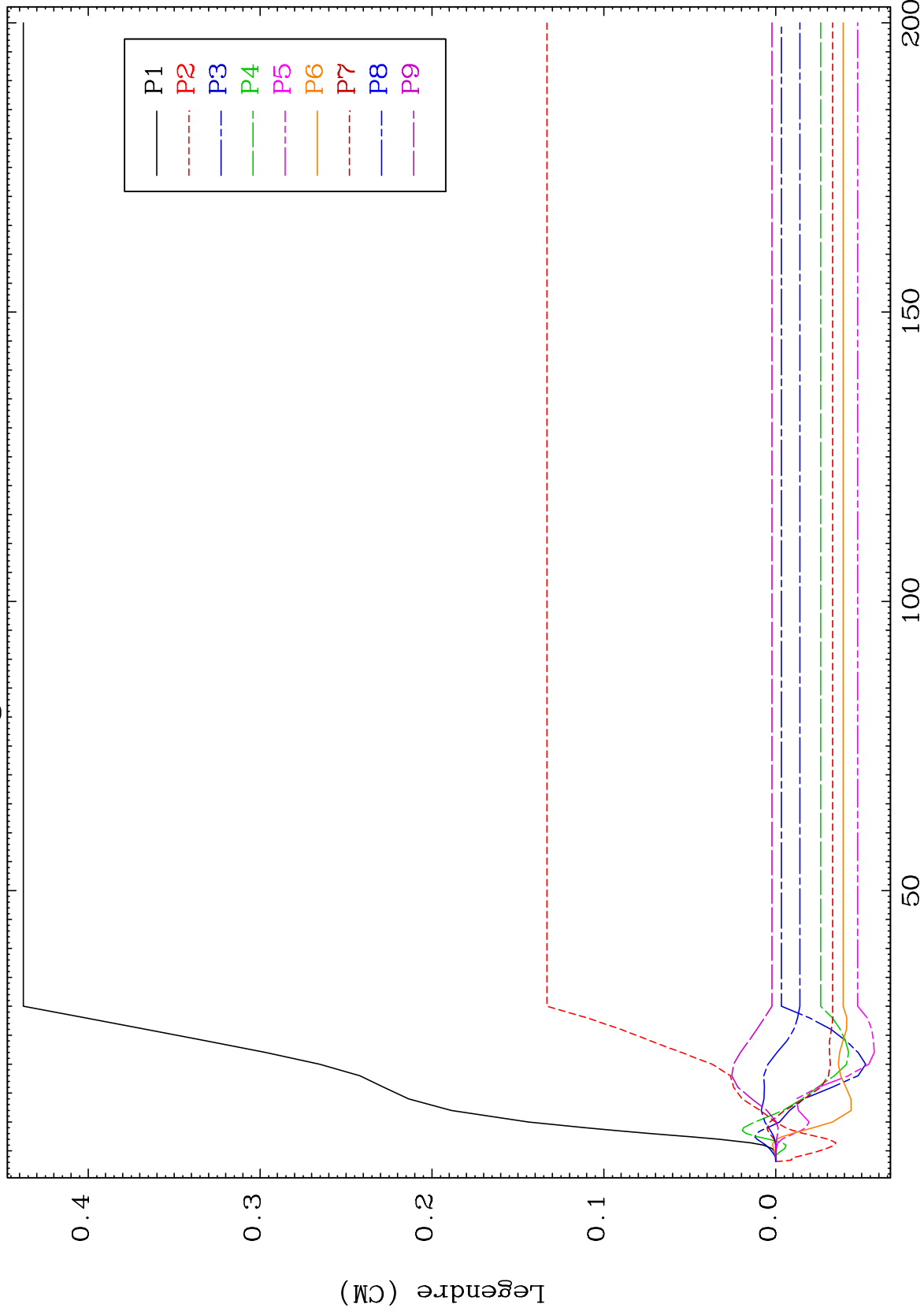
Incident Energy (MeV)

39-Y -95

MAT 3943

MT= 72 (n,n') Level  
Legendre Coefficients

39-Y -95

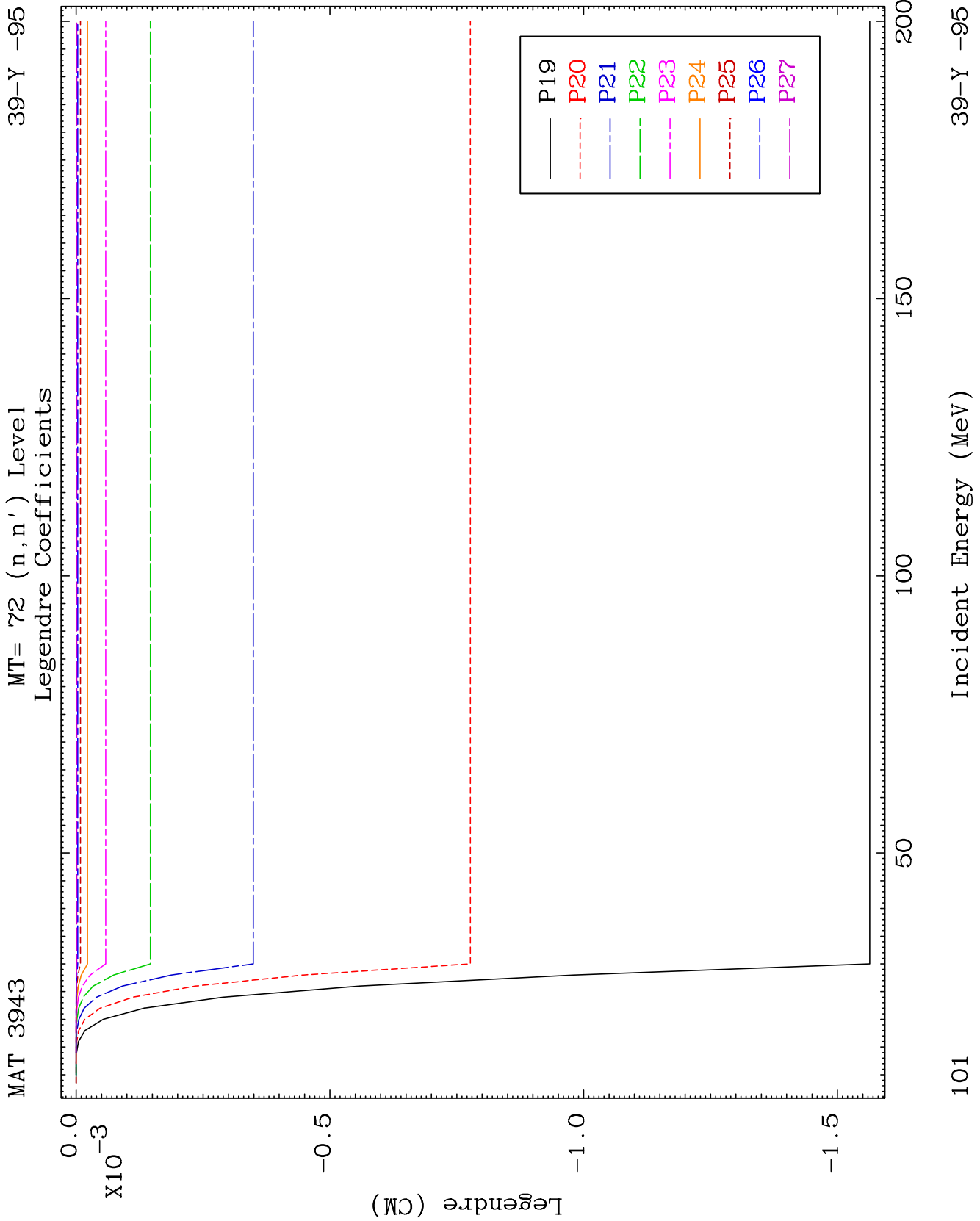


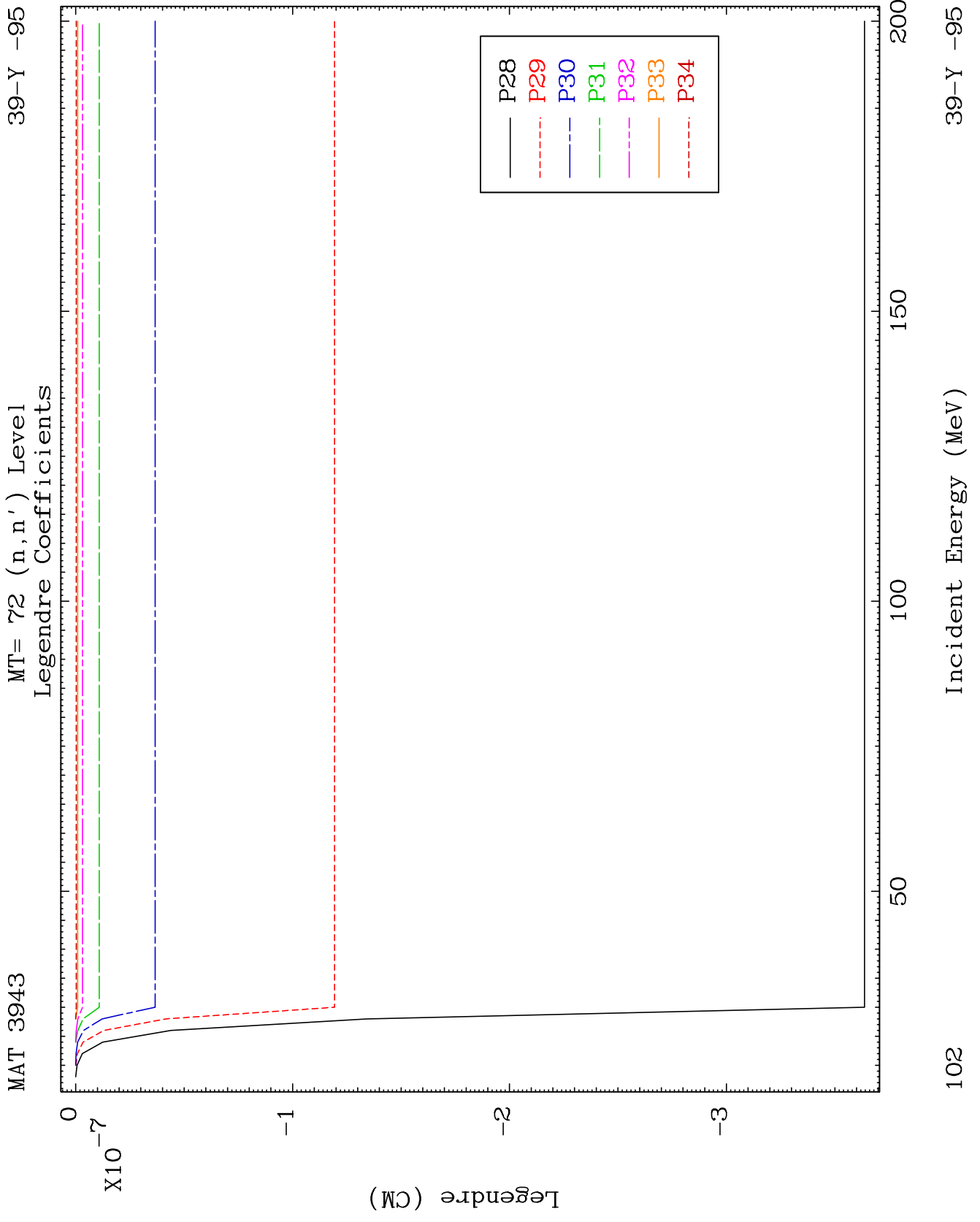
99

Incident Energy (MeV)

39-Y -95



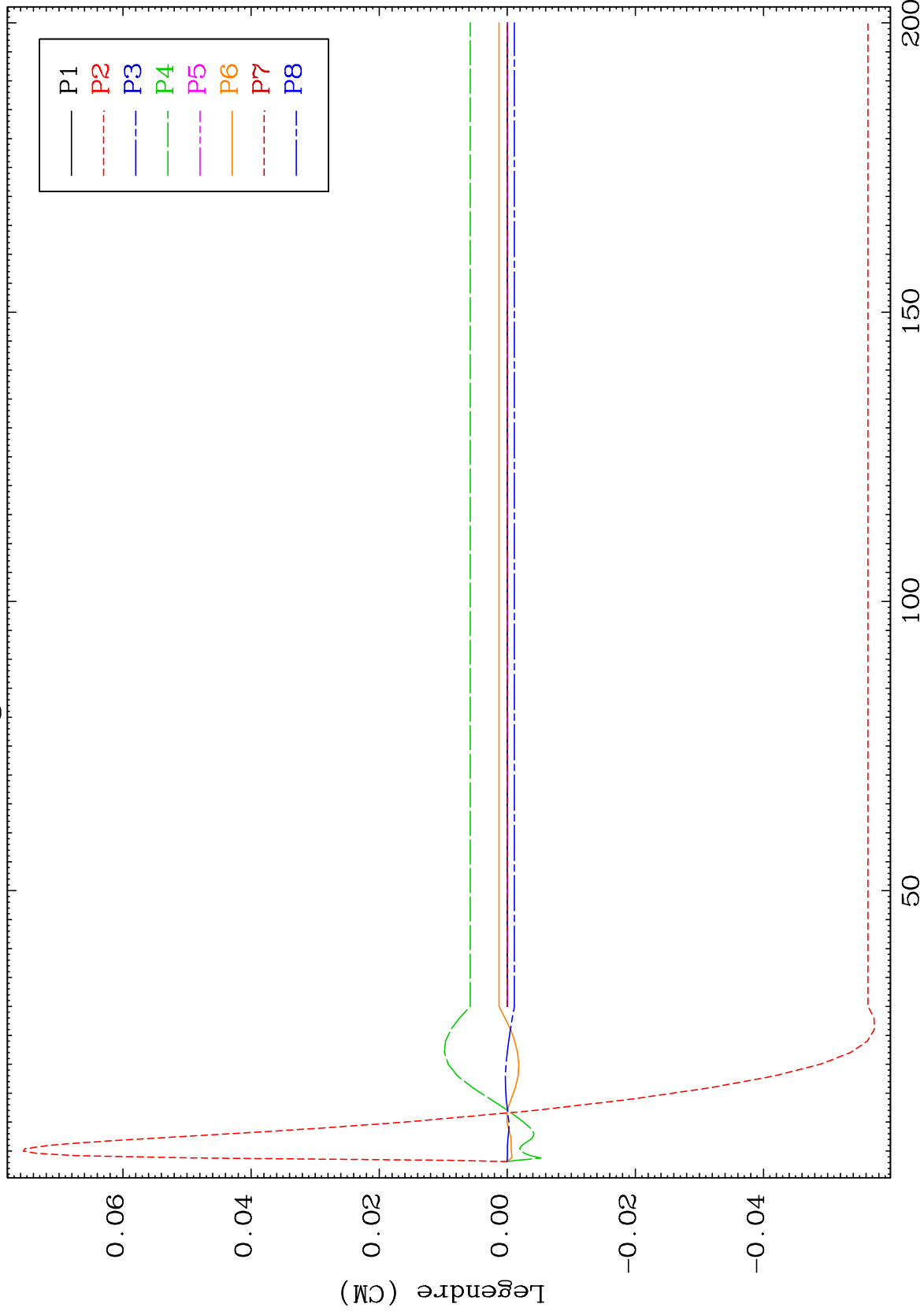




MAT 3943

MT= 73 (n,n') Level  
Legendre Coefficients

39-Y -95



103

Incident Energy (MeV)

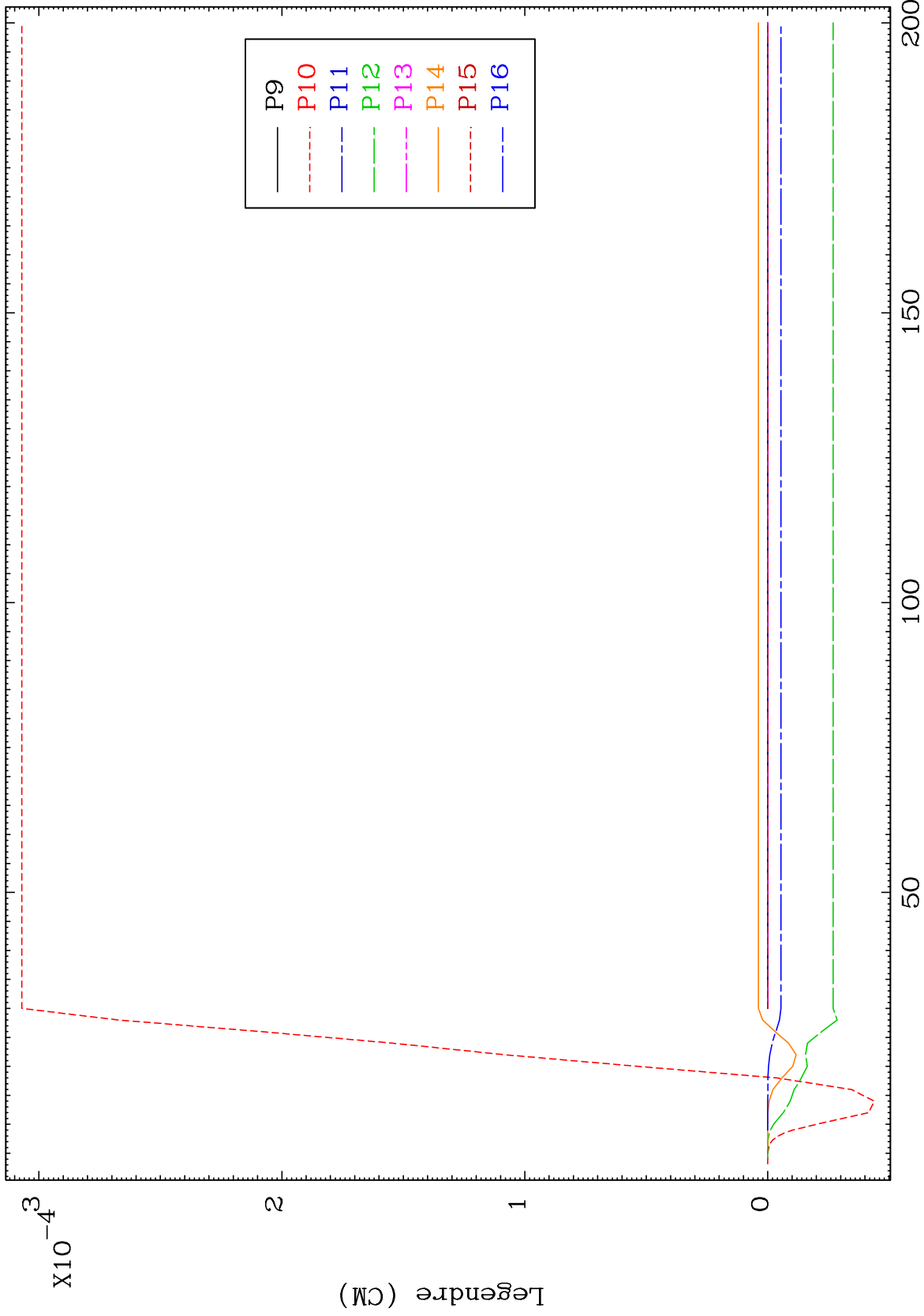
39-Y -95



MAT 3943

MT= 73 (n,n') Level  
Legendre Coefficients

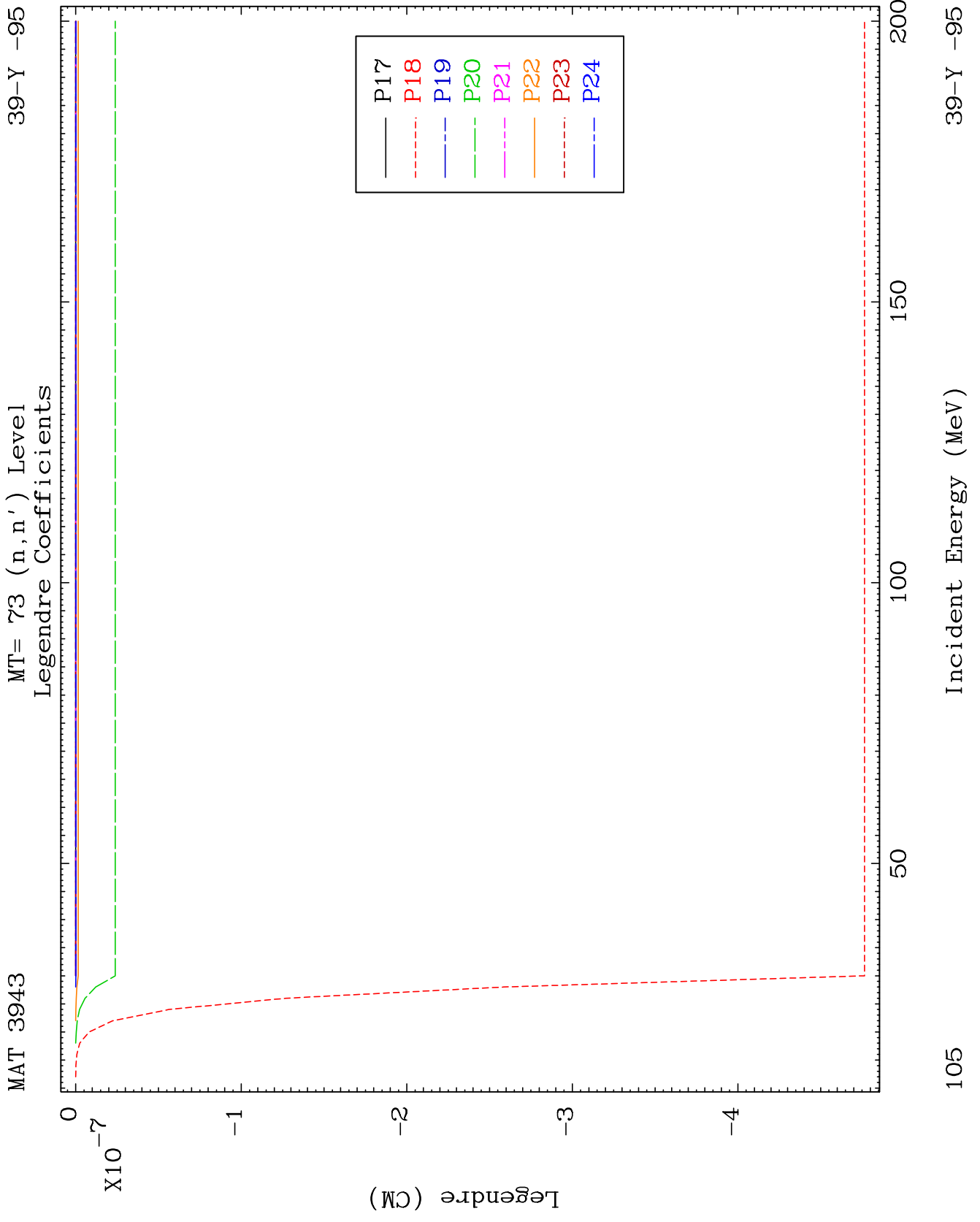
39-Y -95



104

Incident Energy (MeV)

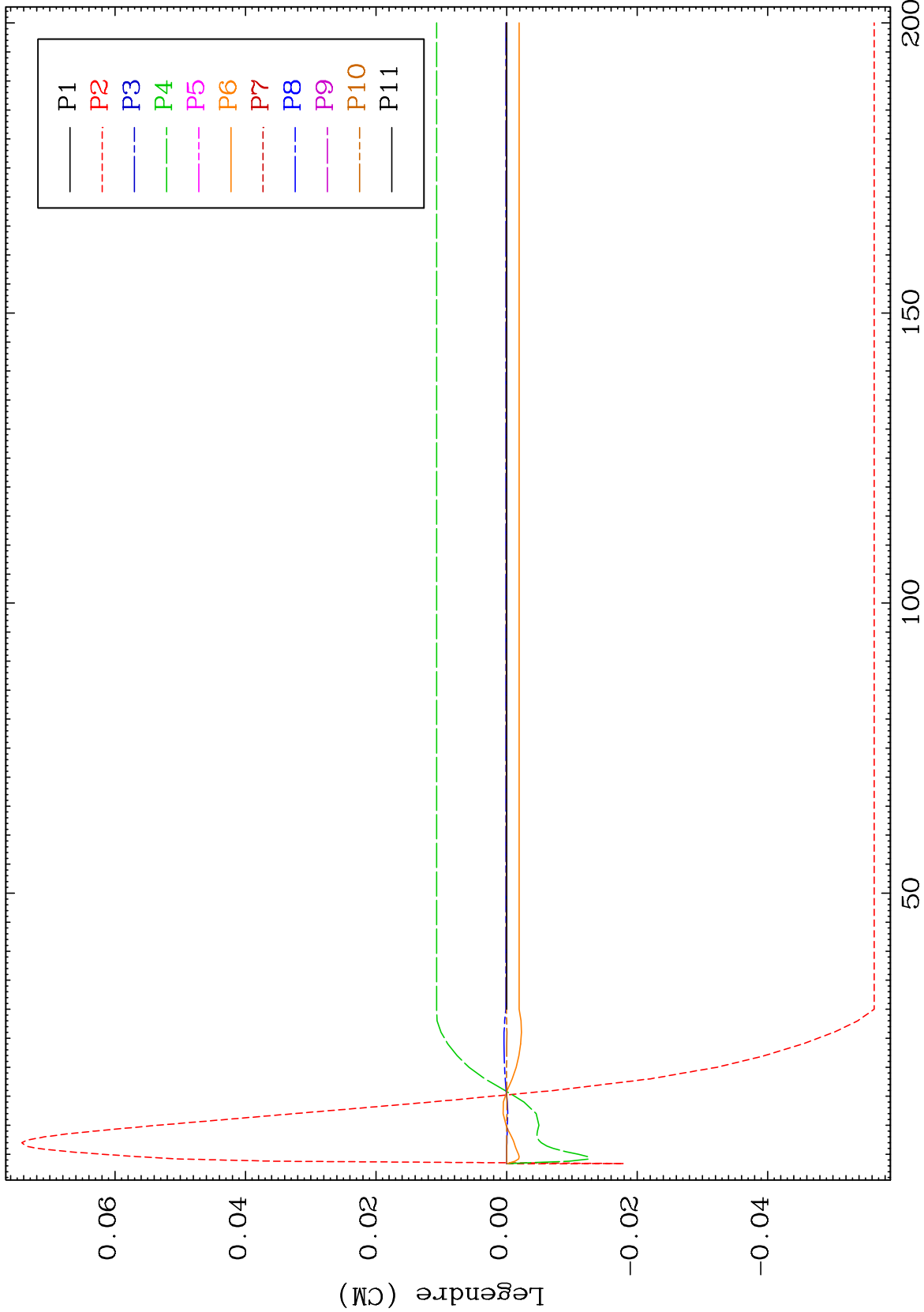
39-Y -95



MAT 3943

MT= 74 (n,n') Level  
Legendre Coefficients

39-Y -95



106

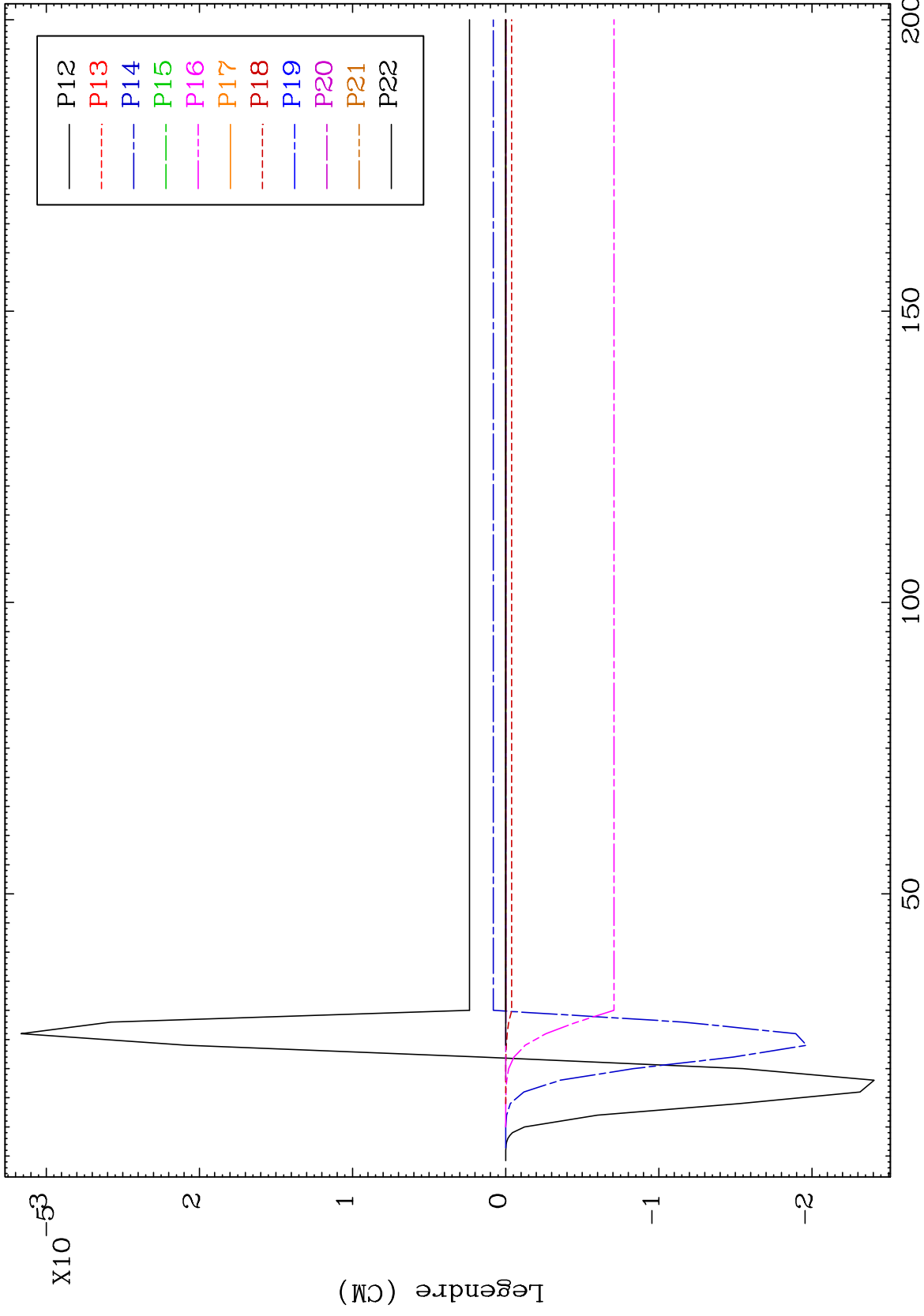
Incident Energy (MeV)

39-Y -95

MAT 3943

MT= 74 (n,n') Level  
Legendre Coefficients

39-Y -95



107

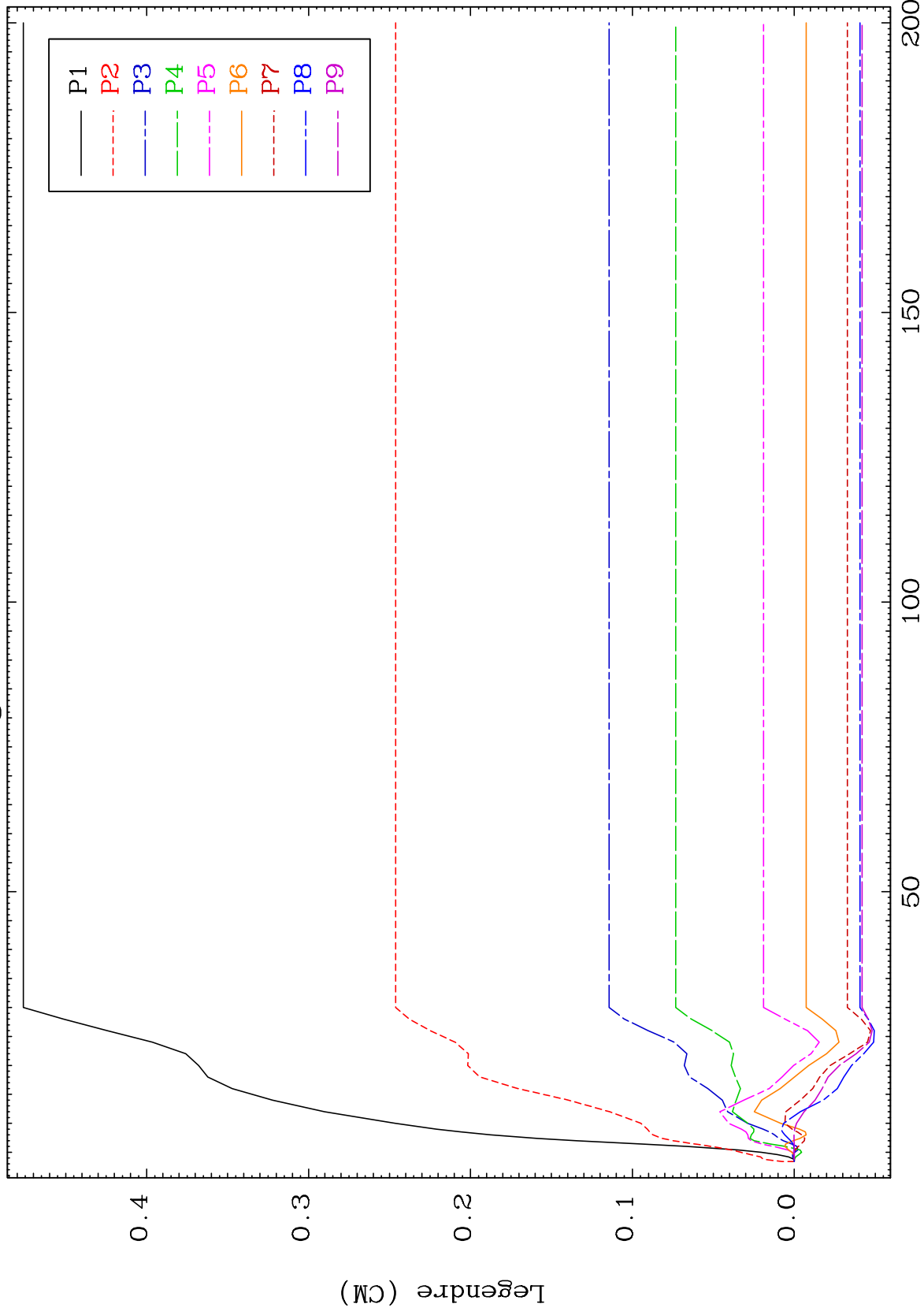
Incident Energy (MeV)

39-Y -95

MAT 3943

MT= 75 (n,n') Level  
Legendre Coefficients

39-Y -95



108

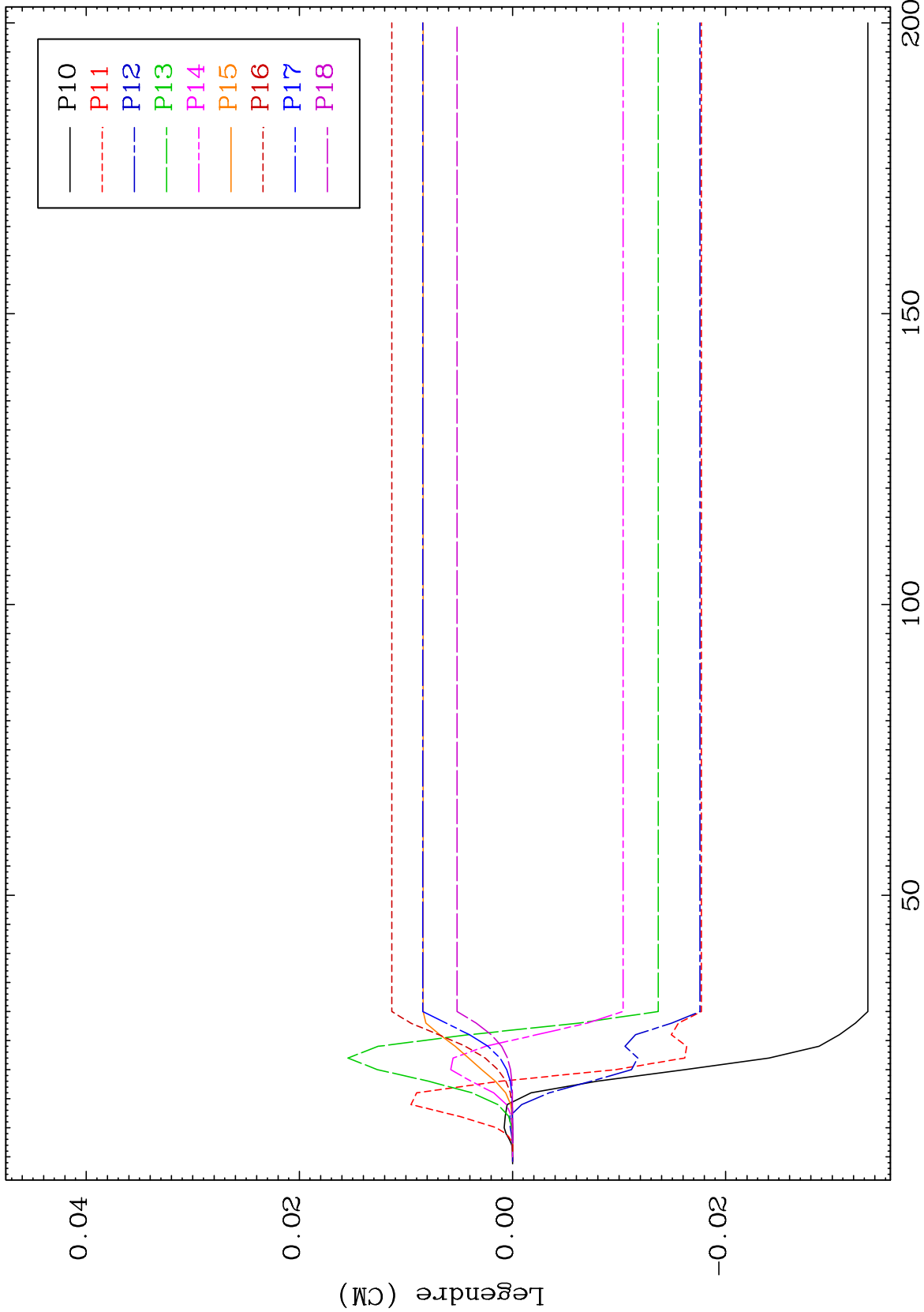
Incident Energy (MeV)

39-Y -95

MAT 3943

MT= 75 (n,n') Level  
Legendre Coefficients

39-Y -95



109

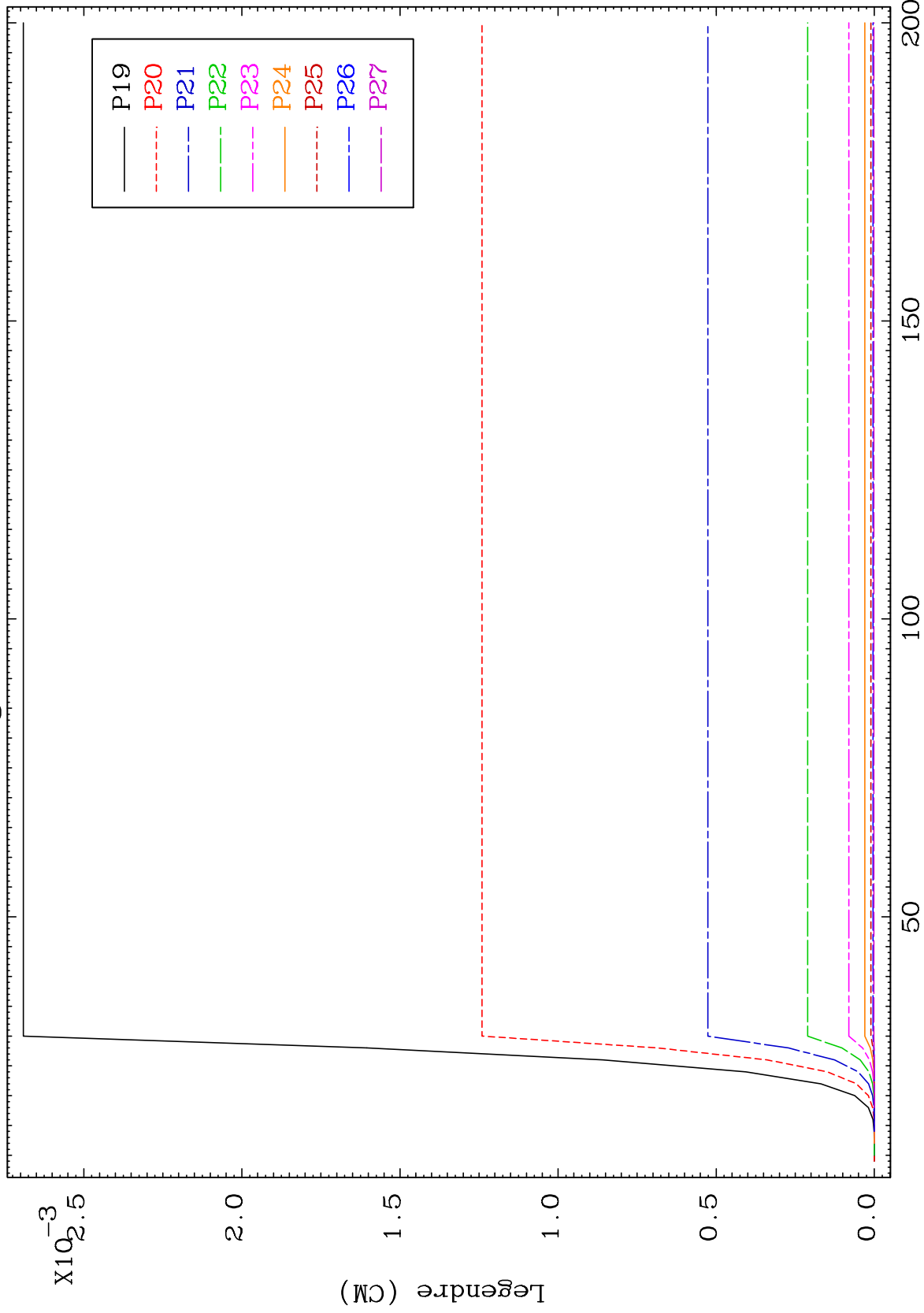
Incident Energy (MeV)

39-Y -95

MAT 3943

MT= 75 (n,n') Level  
Legendre Coefficients

39-Y -95



110

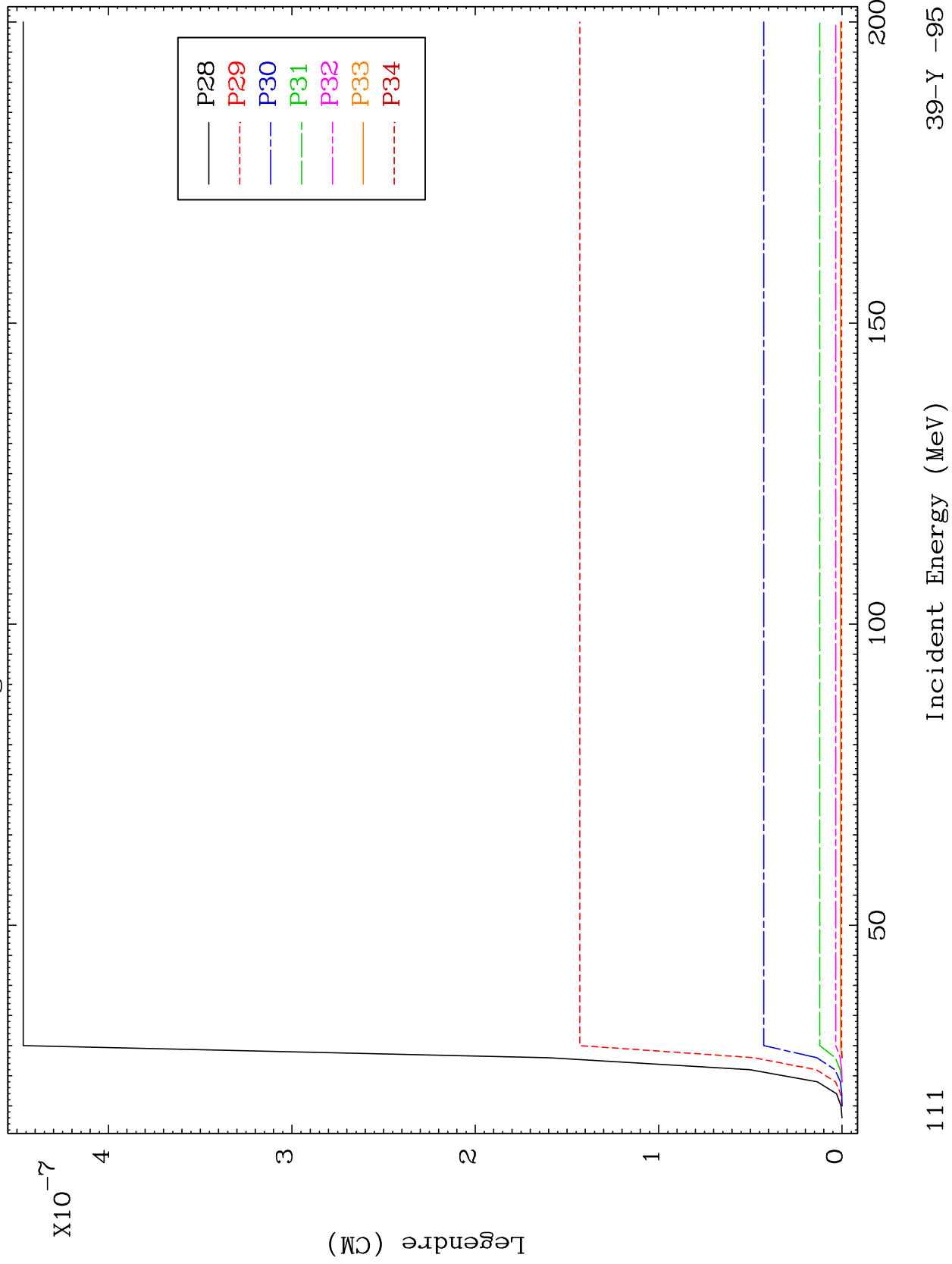
Incident Energy (MeV)

39-Y -95

MAT 3943

MT= 75 (n,n') Level  
Legendre Coefficients

39-Y -95

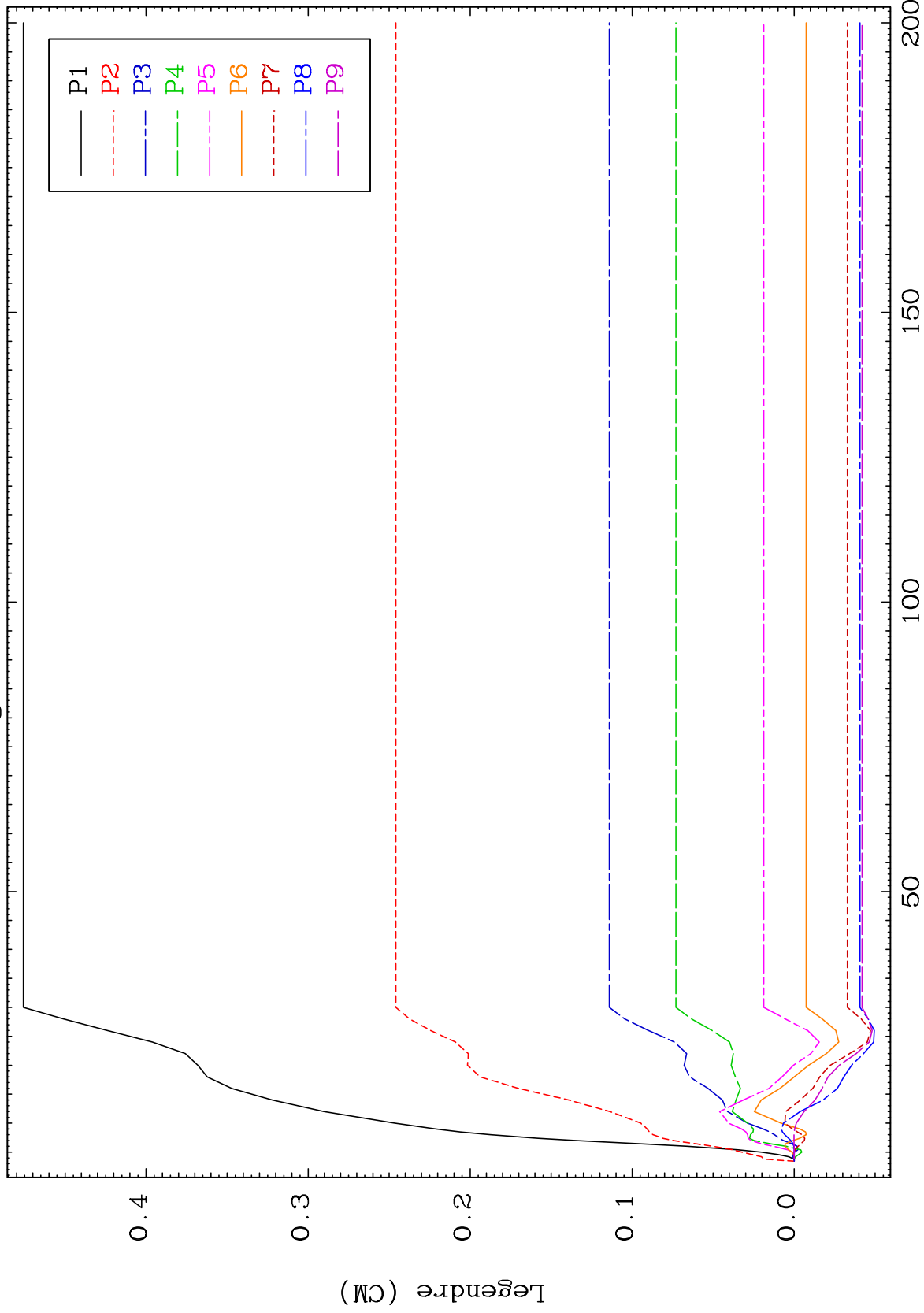




MAT 3943

MT= 76 (n,n') Level  
Legendre Coefficients

39-Y -95



112

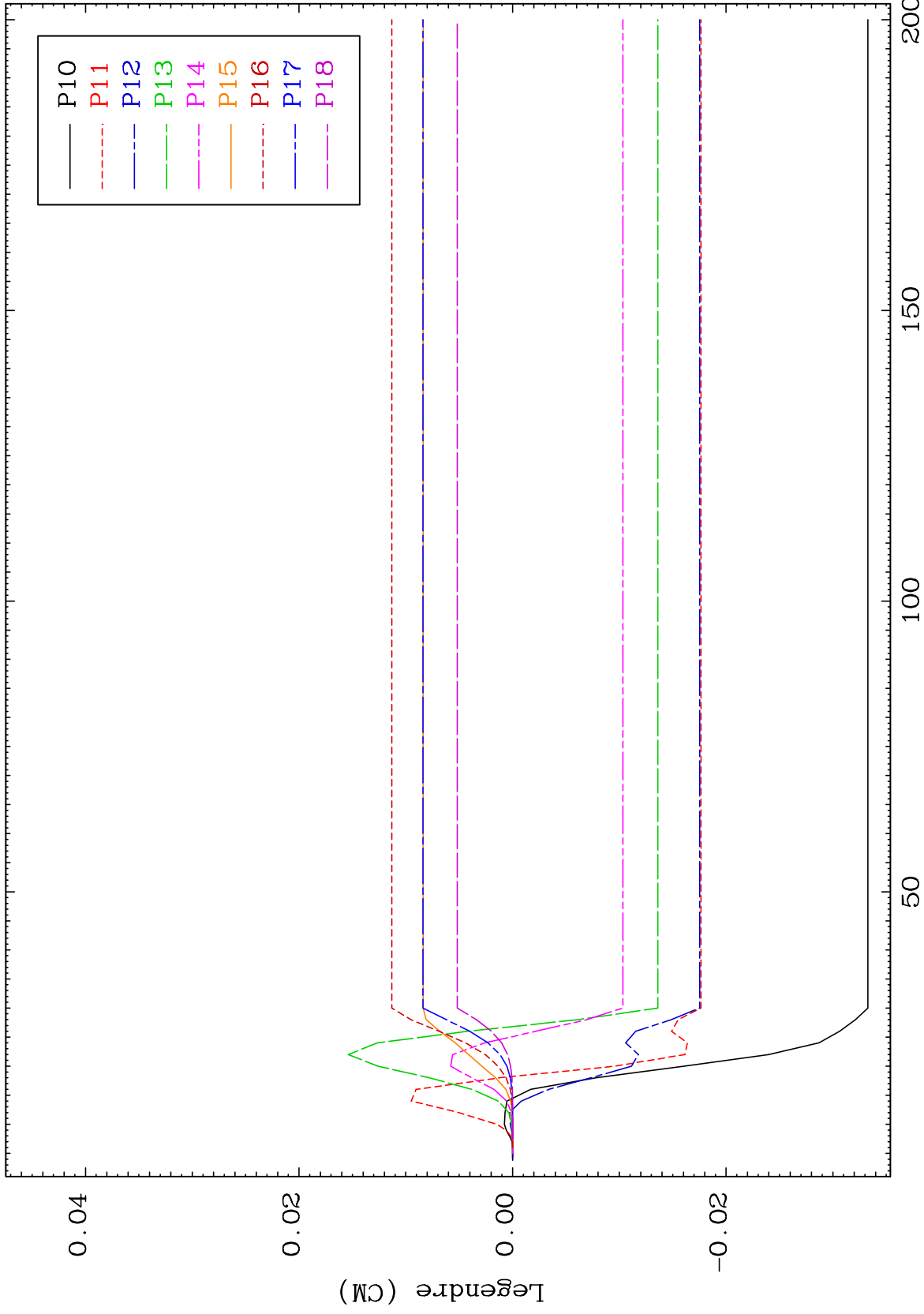
Incident Energy (MeV)

39-Y -95

MAT 3943

MT= 76 (n,n') Level  
Legendre Coefficients

39-Y -95



113

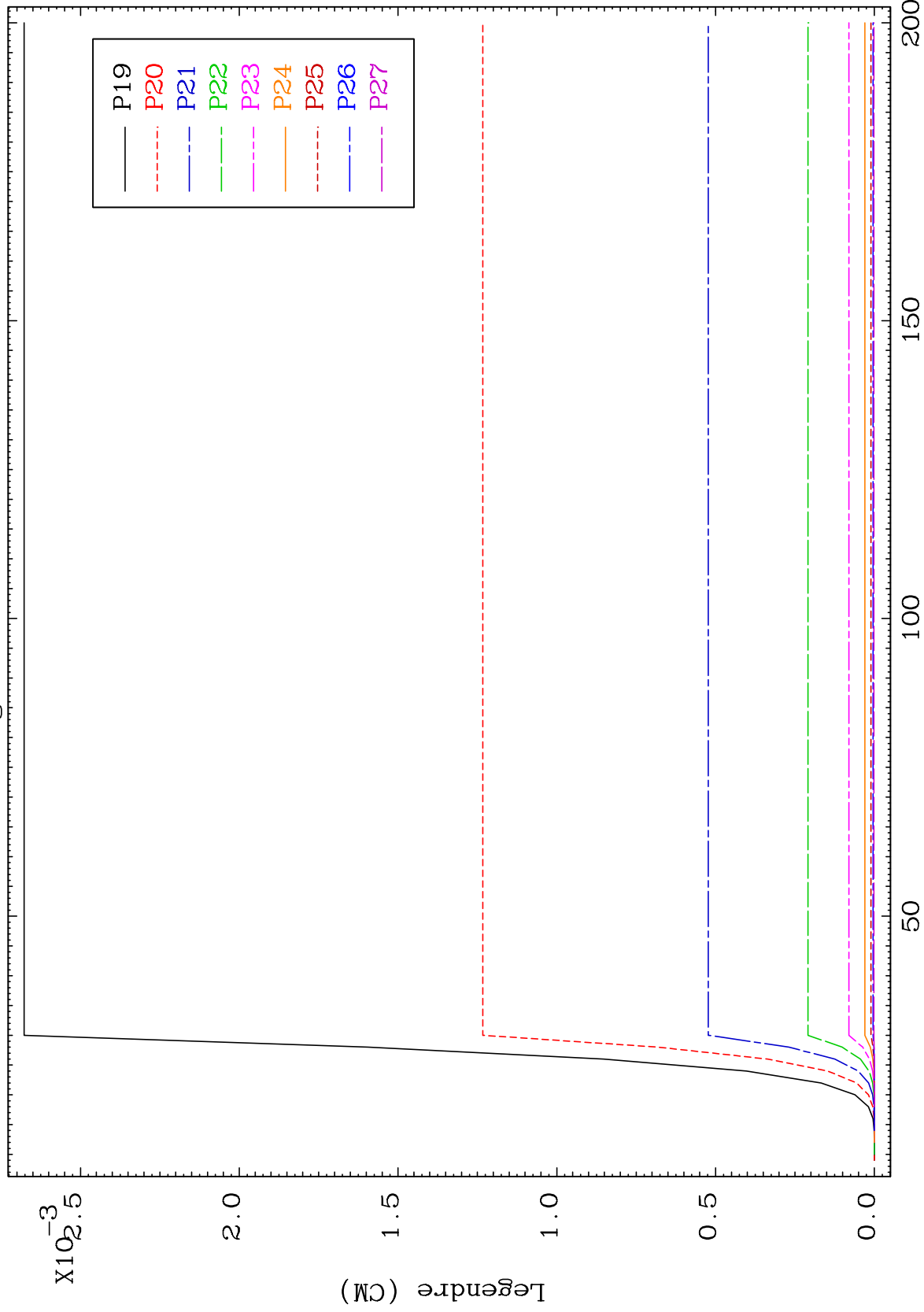
Incident Energy (MeV)

39-Y -95

MAT 3943

MT= 76 (n,n') Level  
Legendre Coefficients

39-Y -95



114

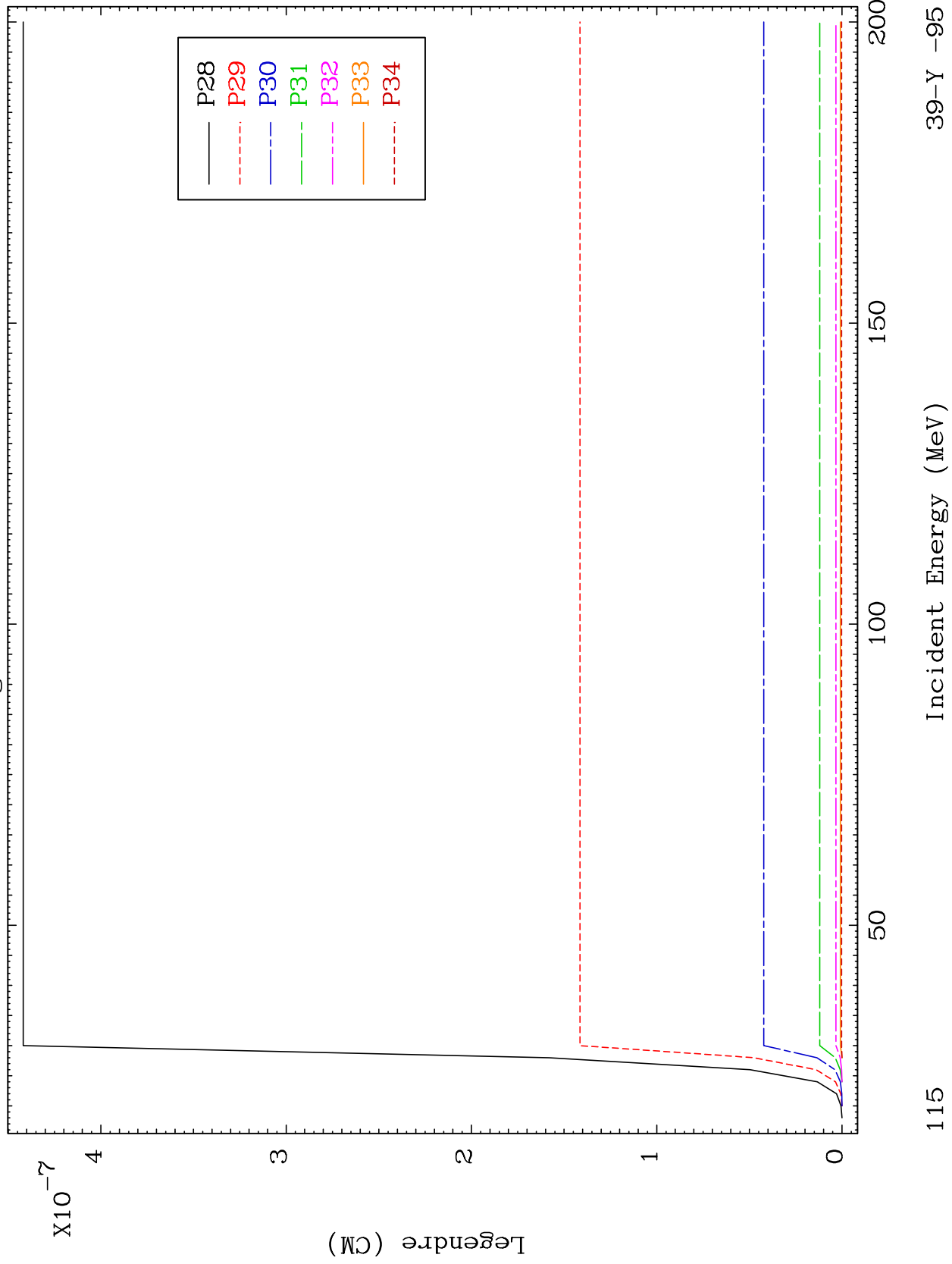
Incident Energy (MeV)

39-Y -95

MAT 3943

MT= 76 (n,n') Level  
Legendre Coefficients

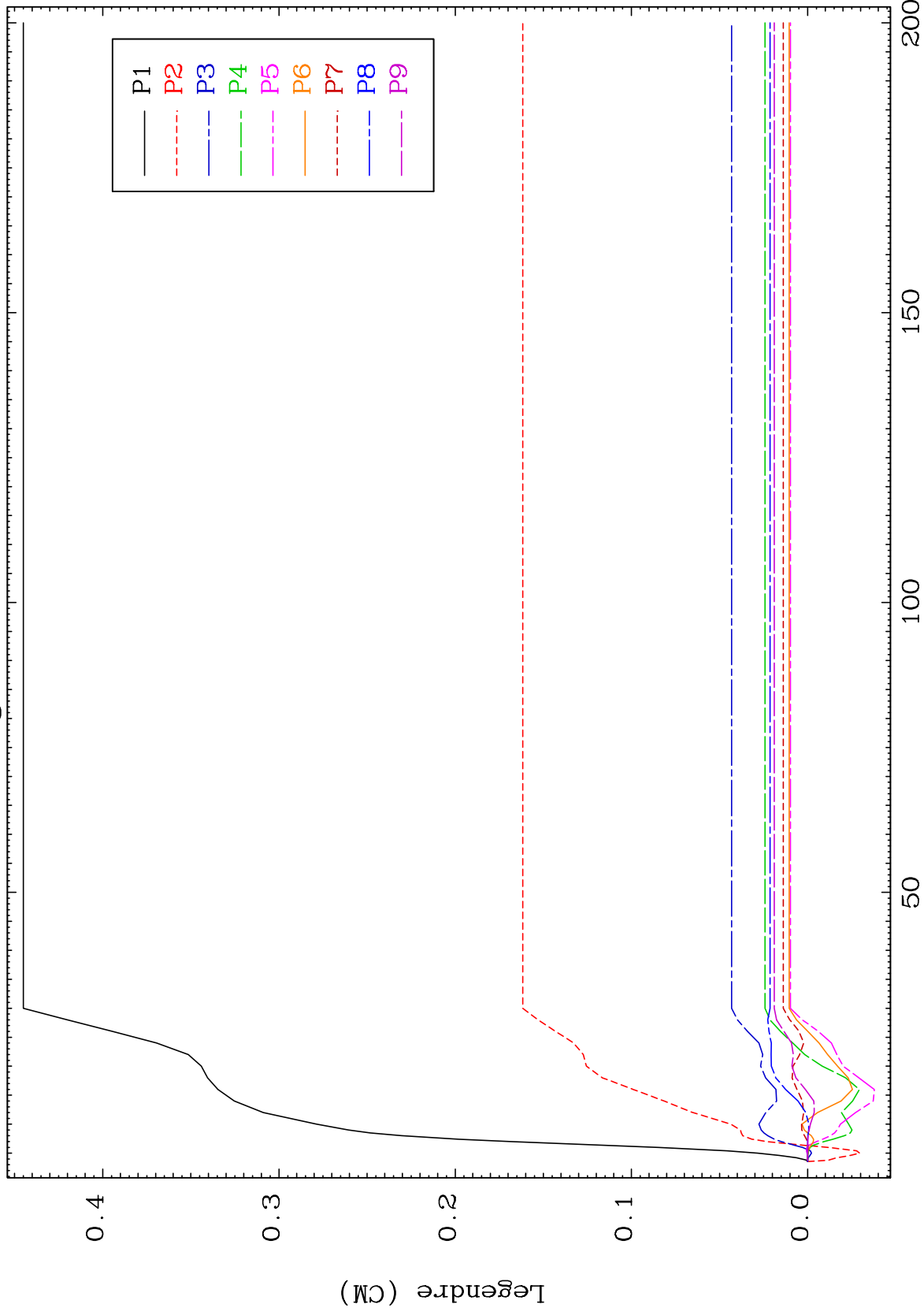
39-Y -95



MAT 3943

MT= 77 (n,n') Level  
Legendre Coefficients

39-Y -95



116

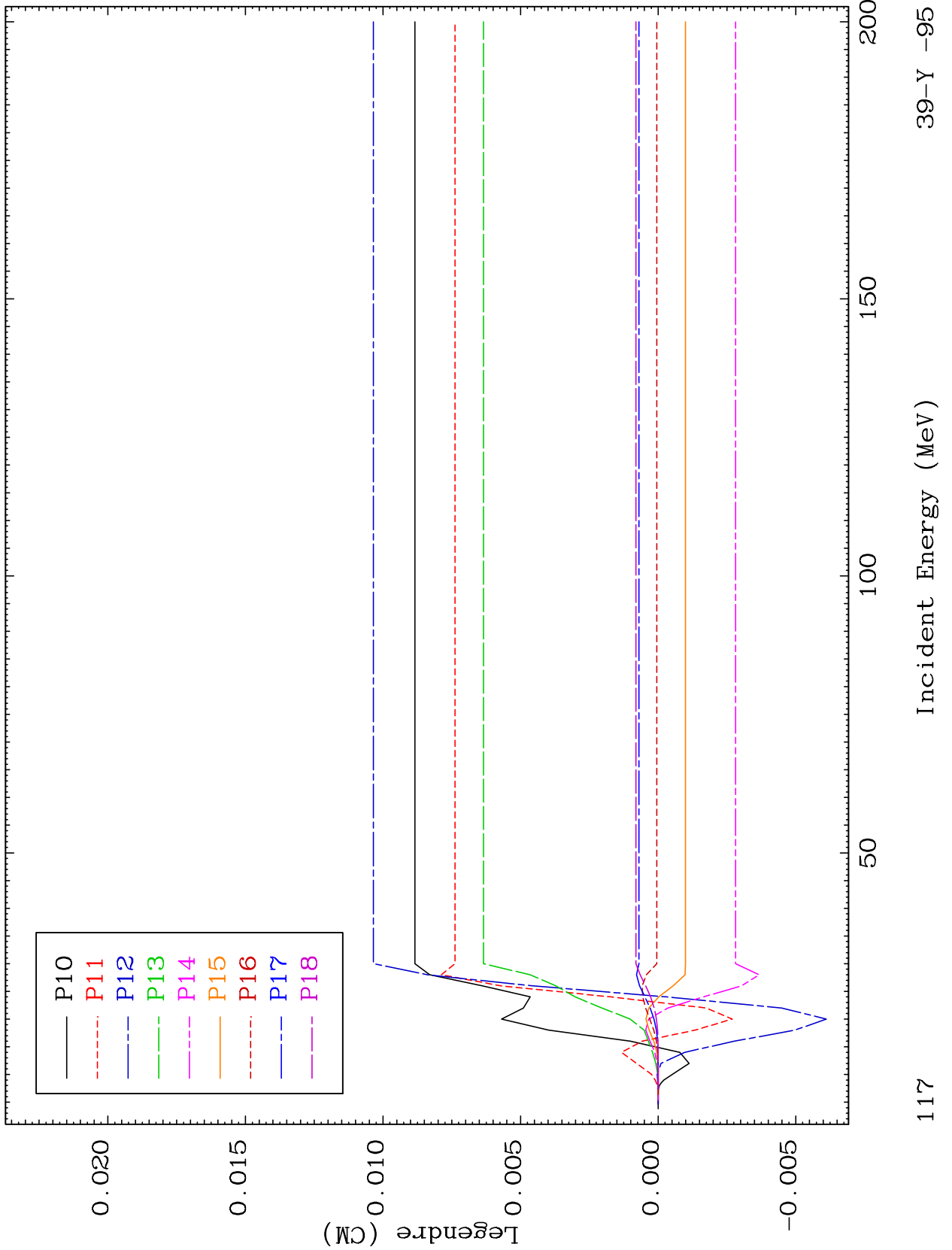
Incident Energy (MeV)

39-Y -95

MAT 3943

MT= 77 (n,n') Level  
Legendre Coefficients

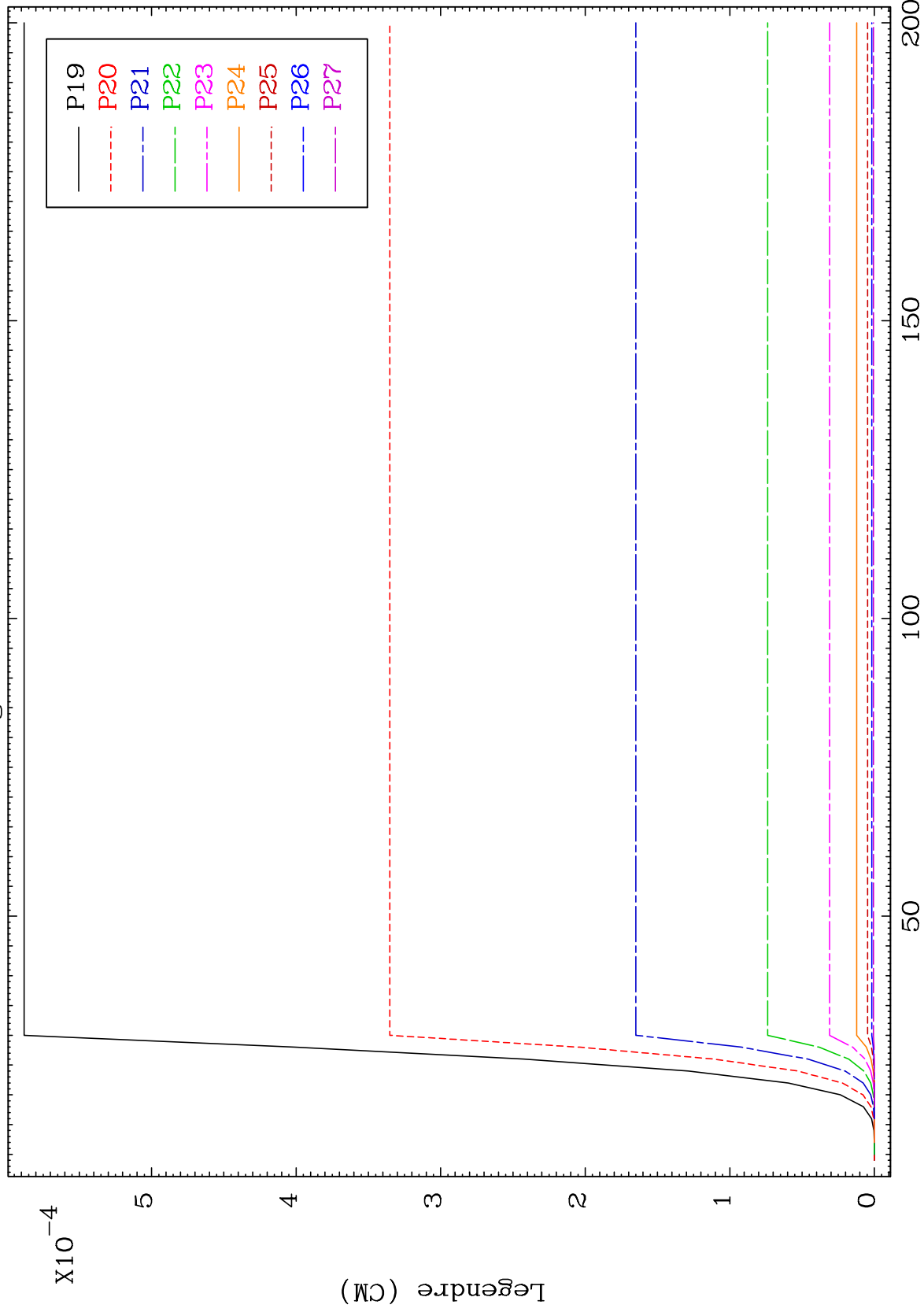
39-Y -95



MAT 3943

MT= 77 (n,n') Level  
Legendre Coefficients

39-Y -95



118

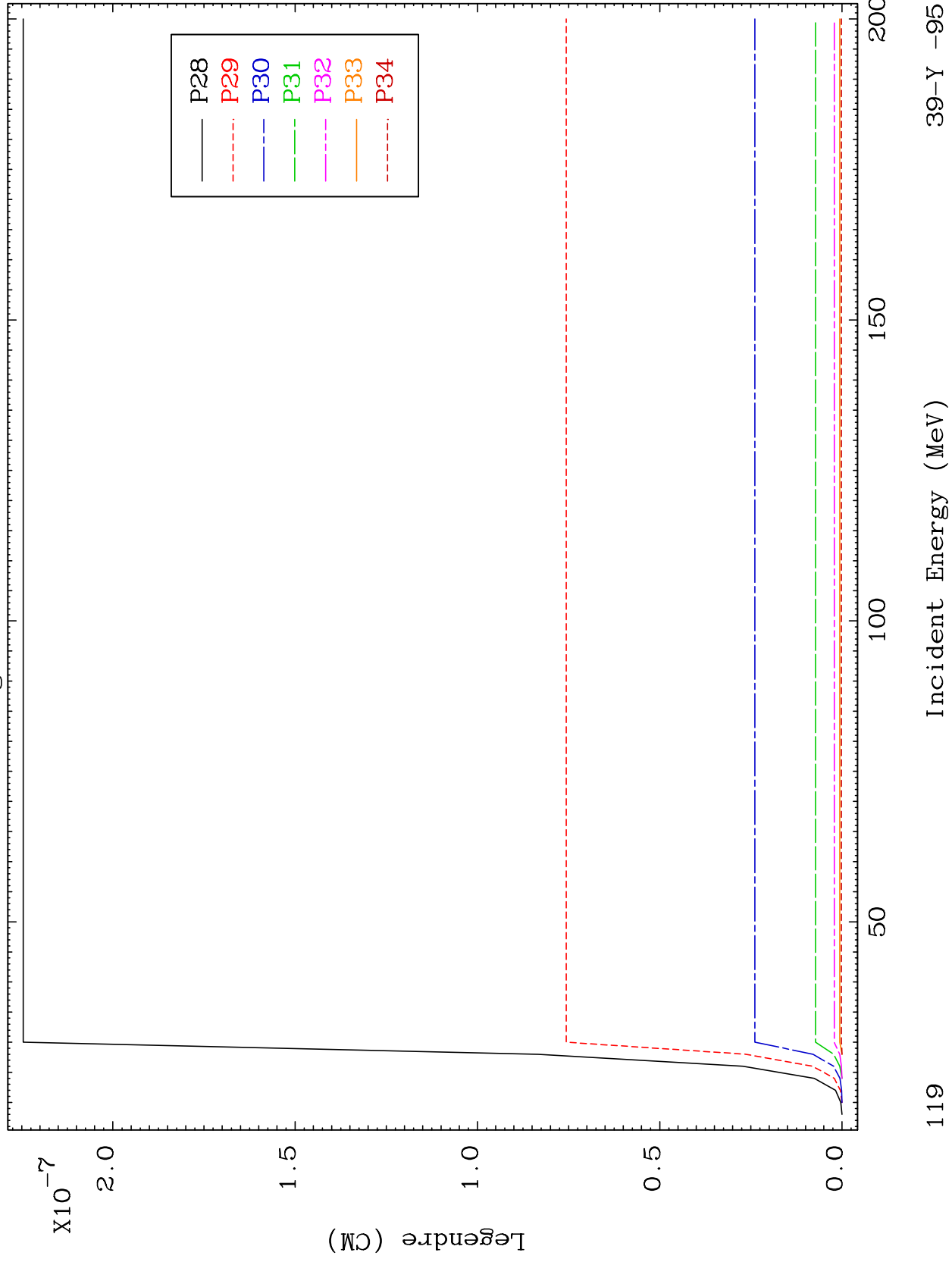
Incident Energy (MeV)

39-Y -95

MAT 3943

MT= 77 (n,n') Level  
Legendre Coefficients

39-Y -95

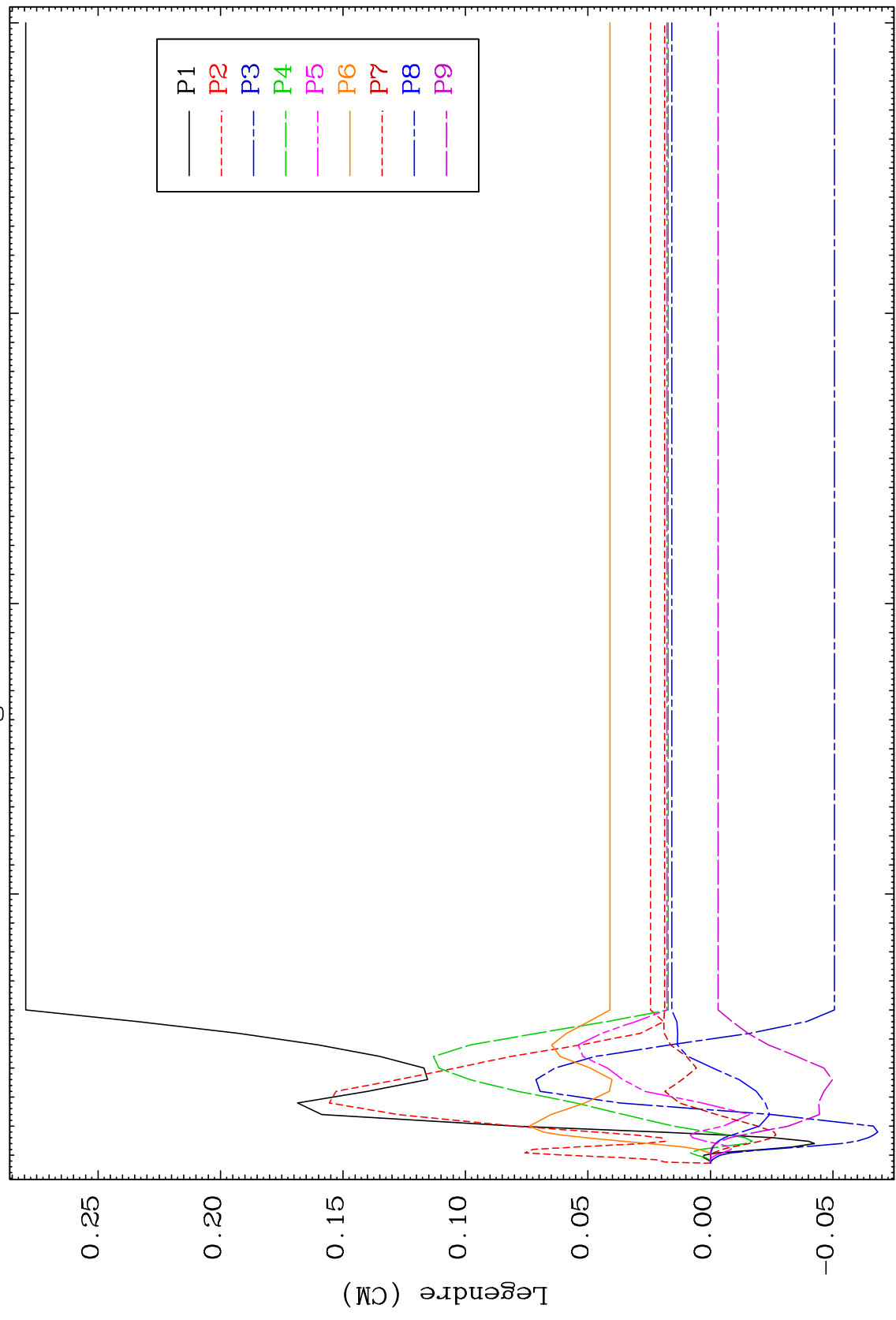




MAT 3943

MT= 78 (n,n') Level  
Legendre Coefficients

39-Y -95



120

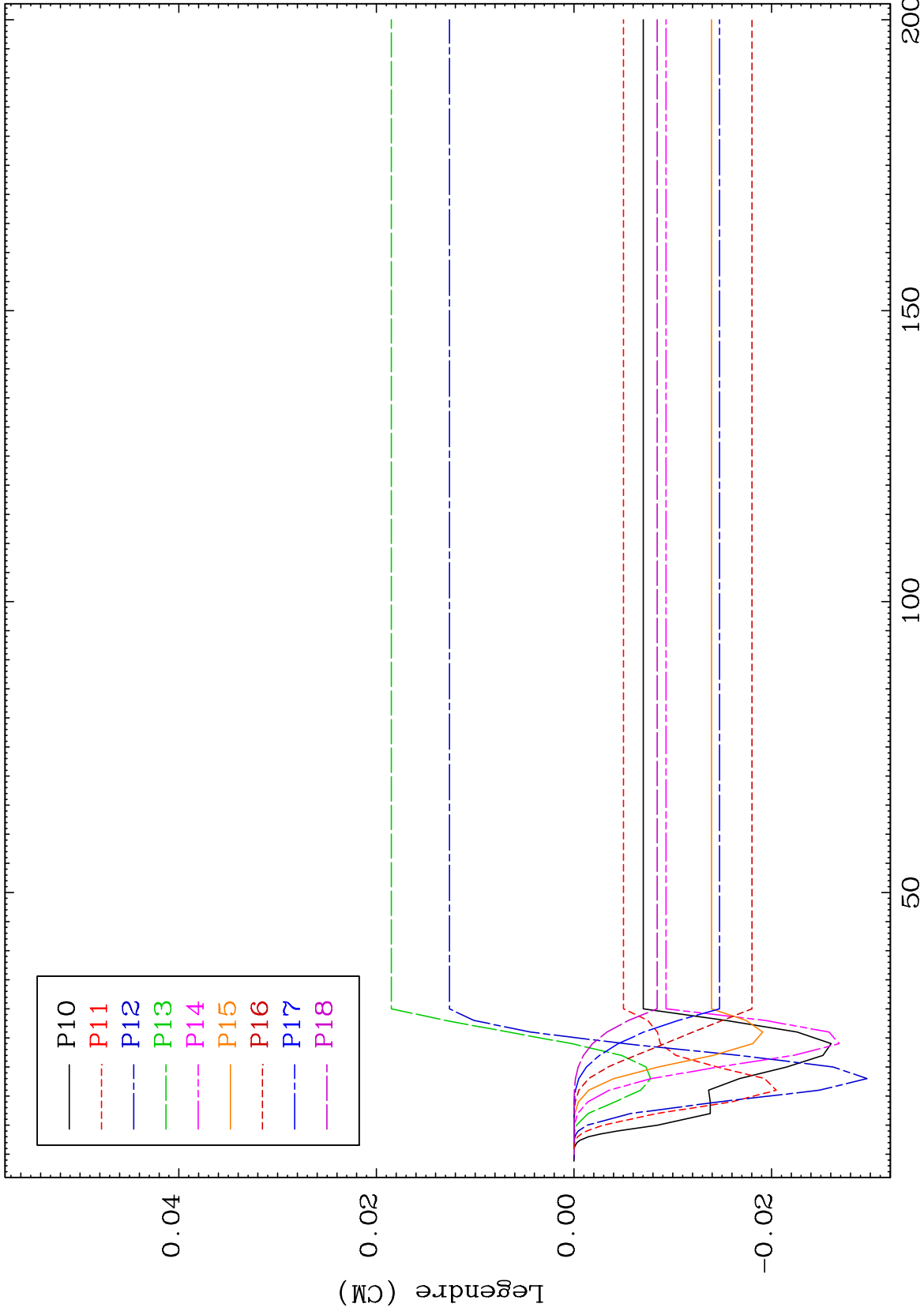
Incident Energy (MeV)

39-Y -95

MAT 3943

MT= 78 (n,n') Level  
Legendre Coefficients

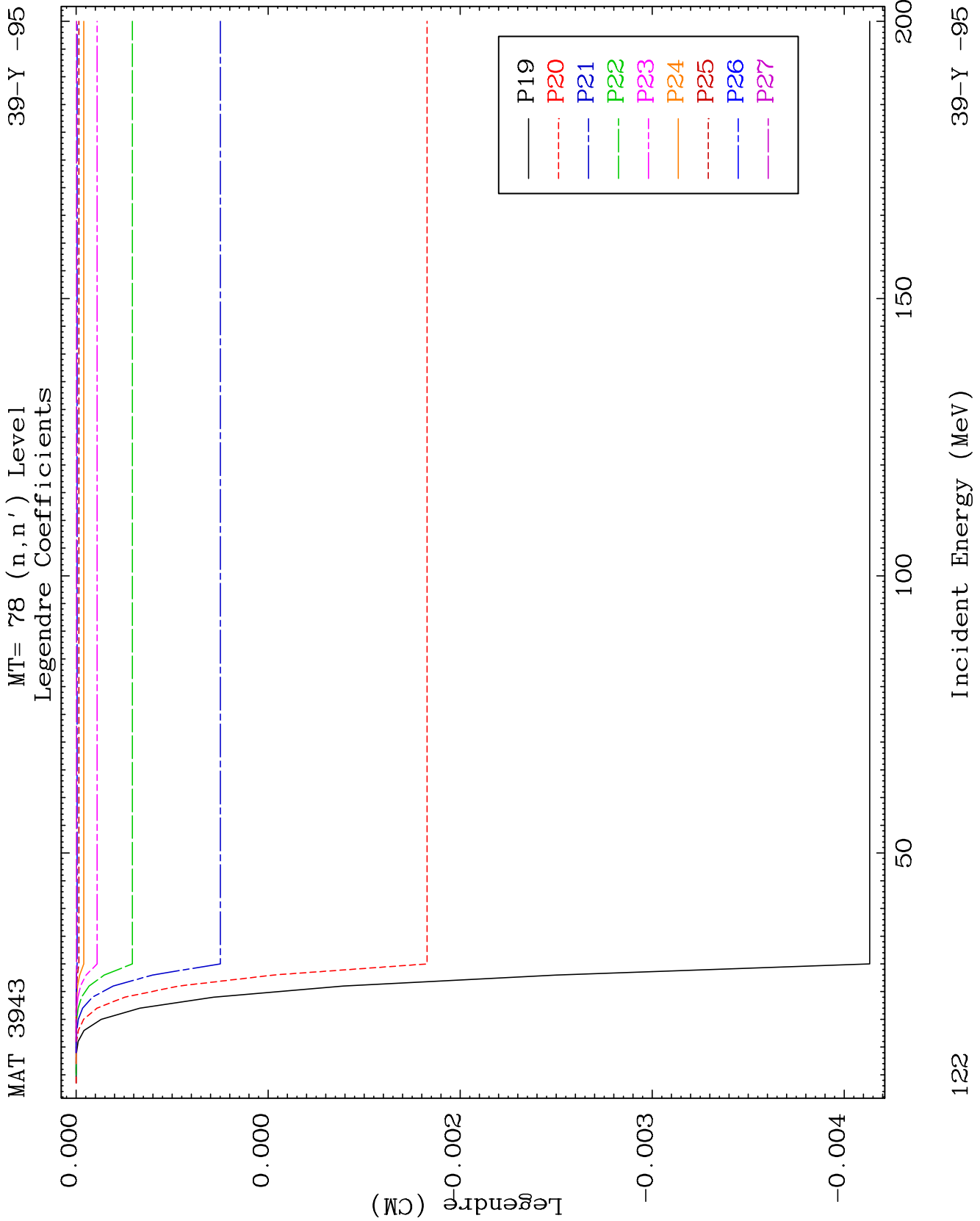
39-Y -95

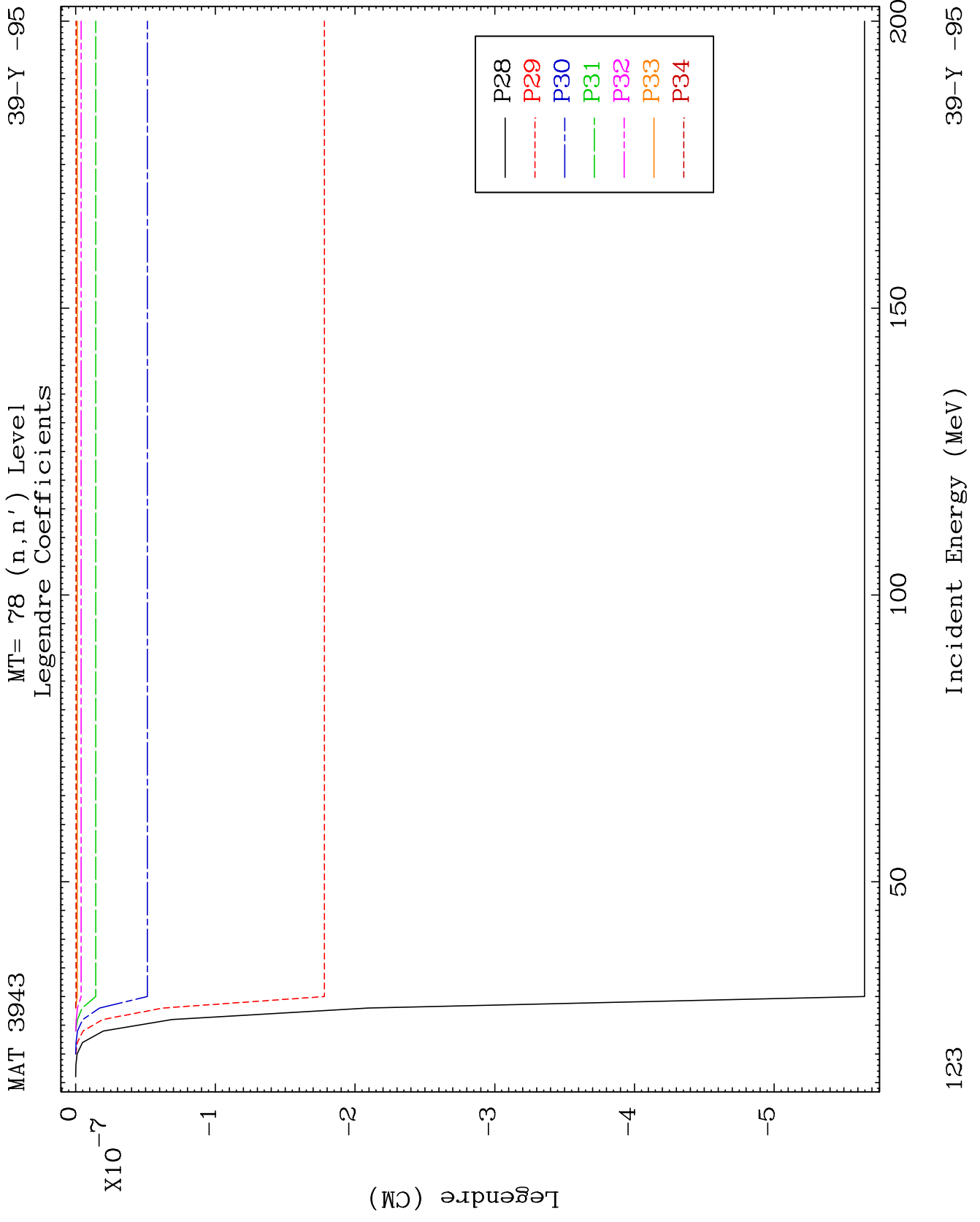


121

Incident Energy (MeV)

39-Y -95

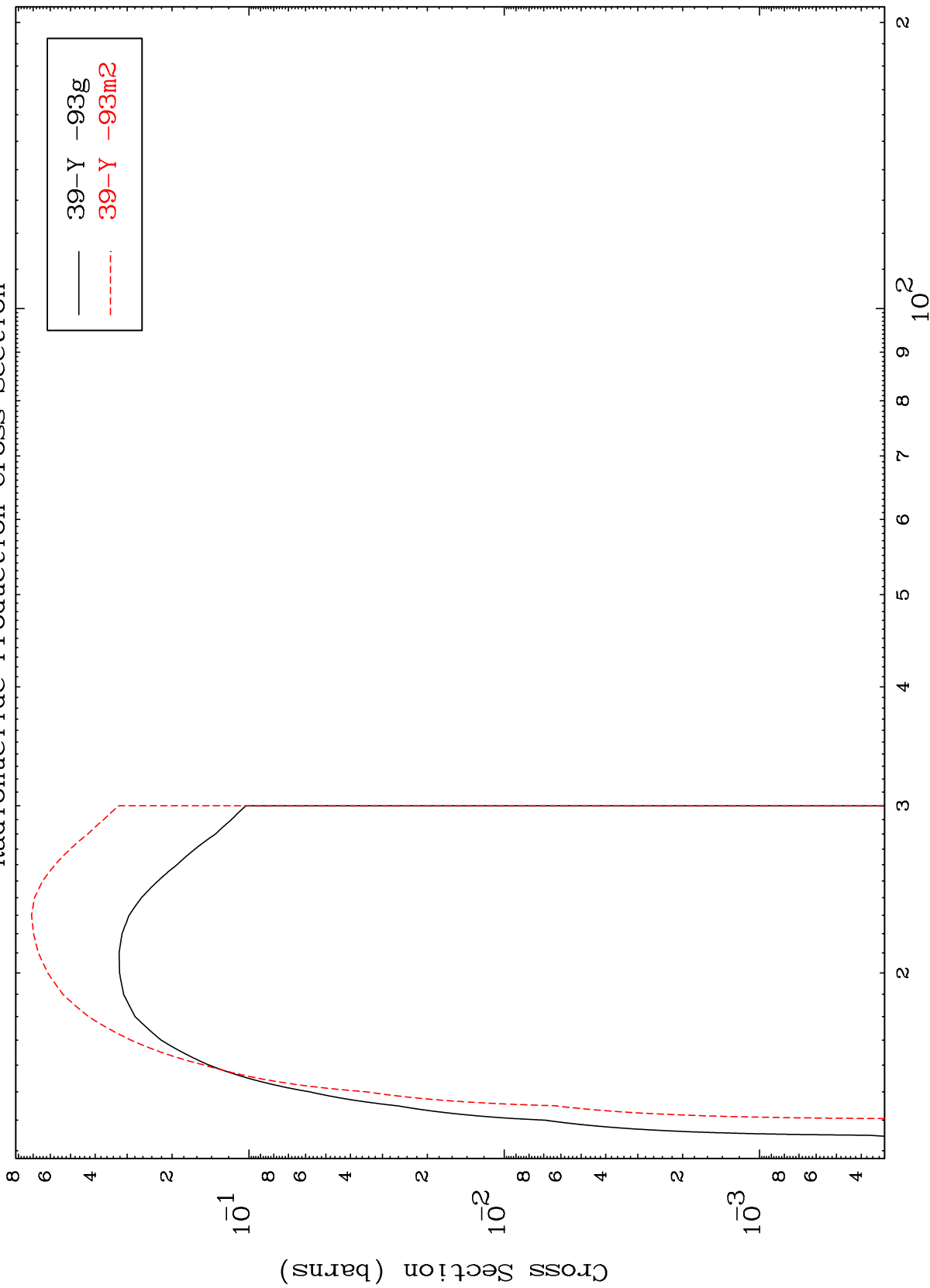




MAT 3943

39-Y -95

(n,3n)  
Radionuclide Production Cross Section



39-Y -93g  
39-Y -93m2

124

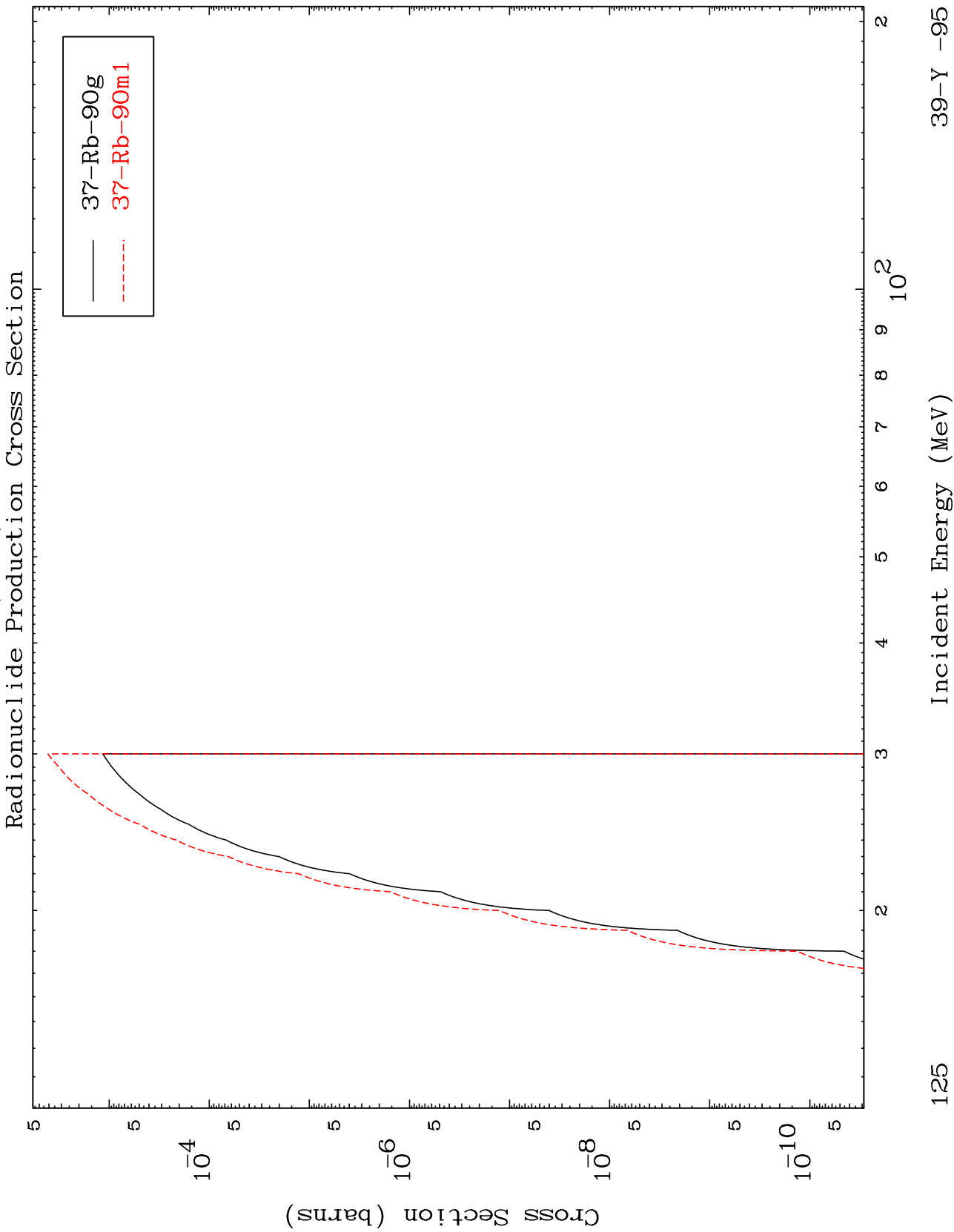
Incident Energy (MeV)

39-Y -95

MAT 3943

$(n,2n) \alpha$

39-Y -95



125

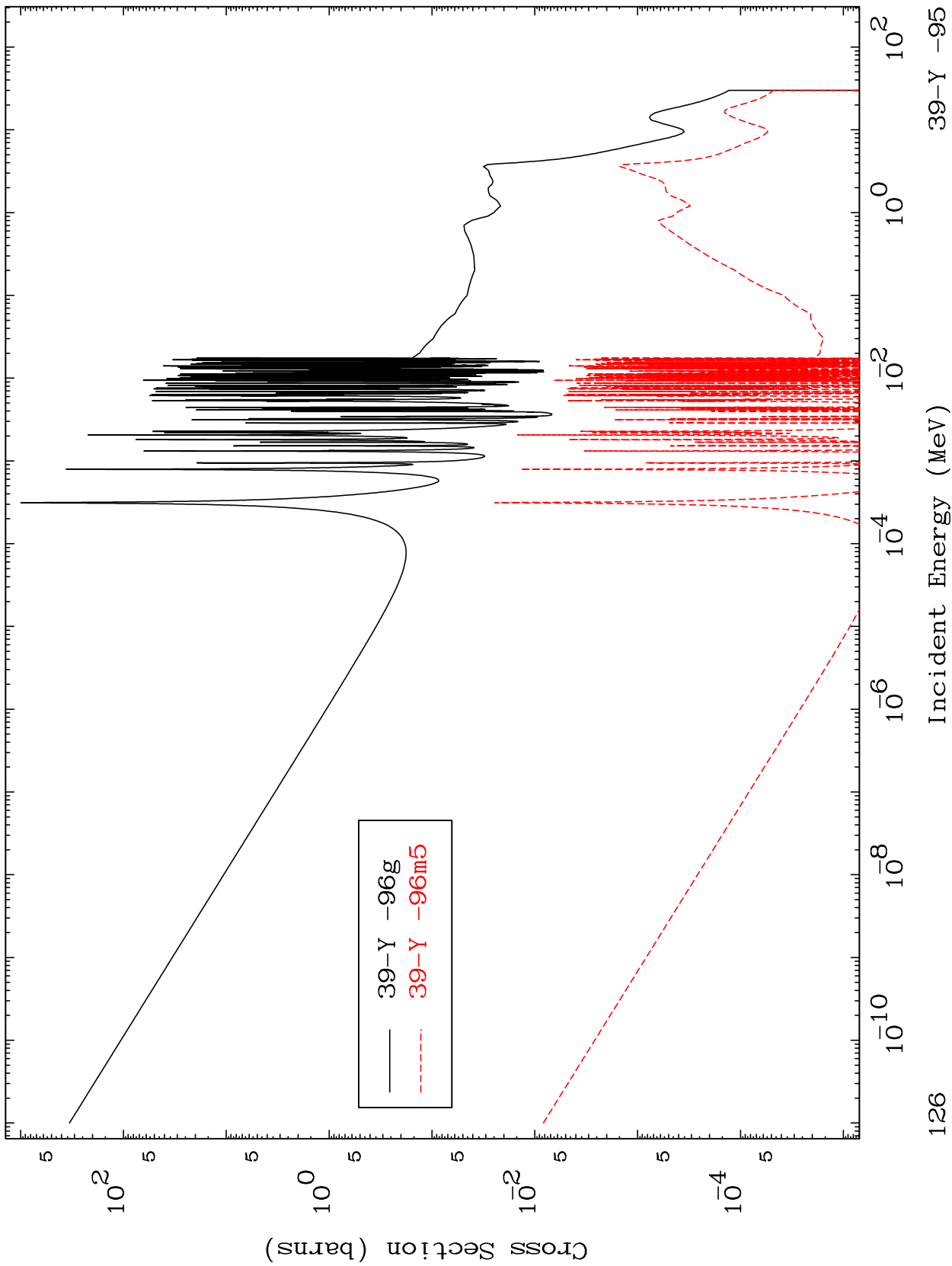
Incident Energy (MeV)

39-Y -95

MAT 3943

39-Y -95

Radionuclide Production Cross Section



126

39-Y -95