

Program EVALPLOT  
(Version 2018-1)

by

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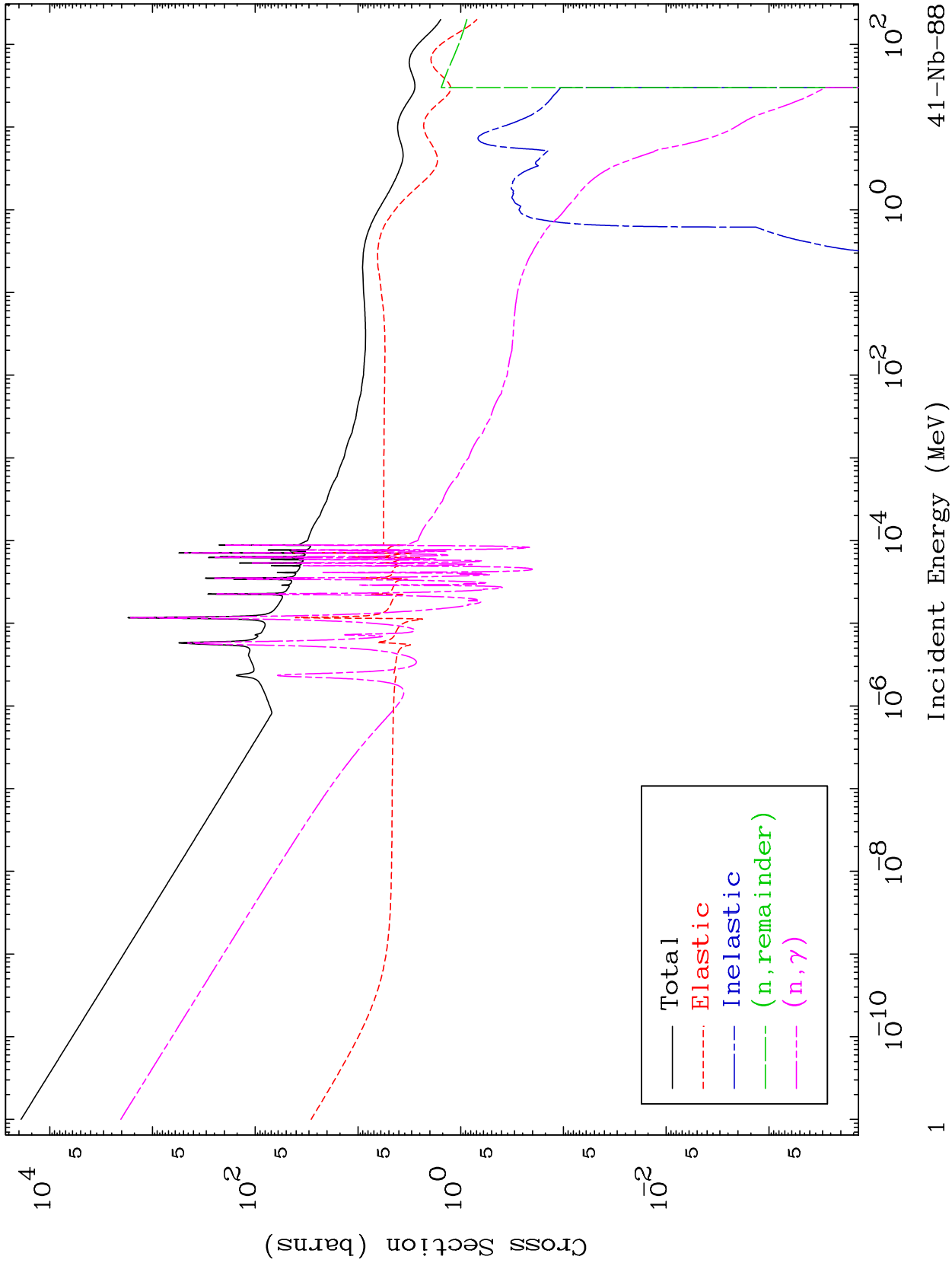
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4110

Major  
293 Kelvin Cross Sections

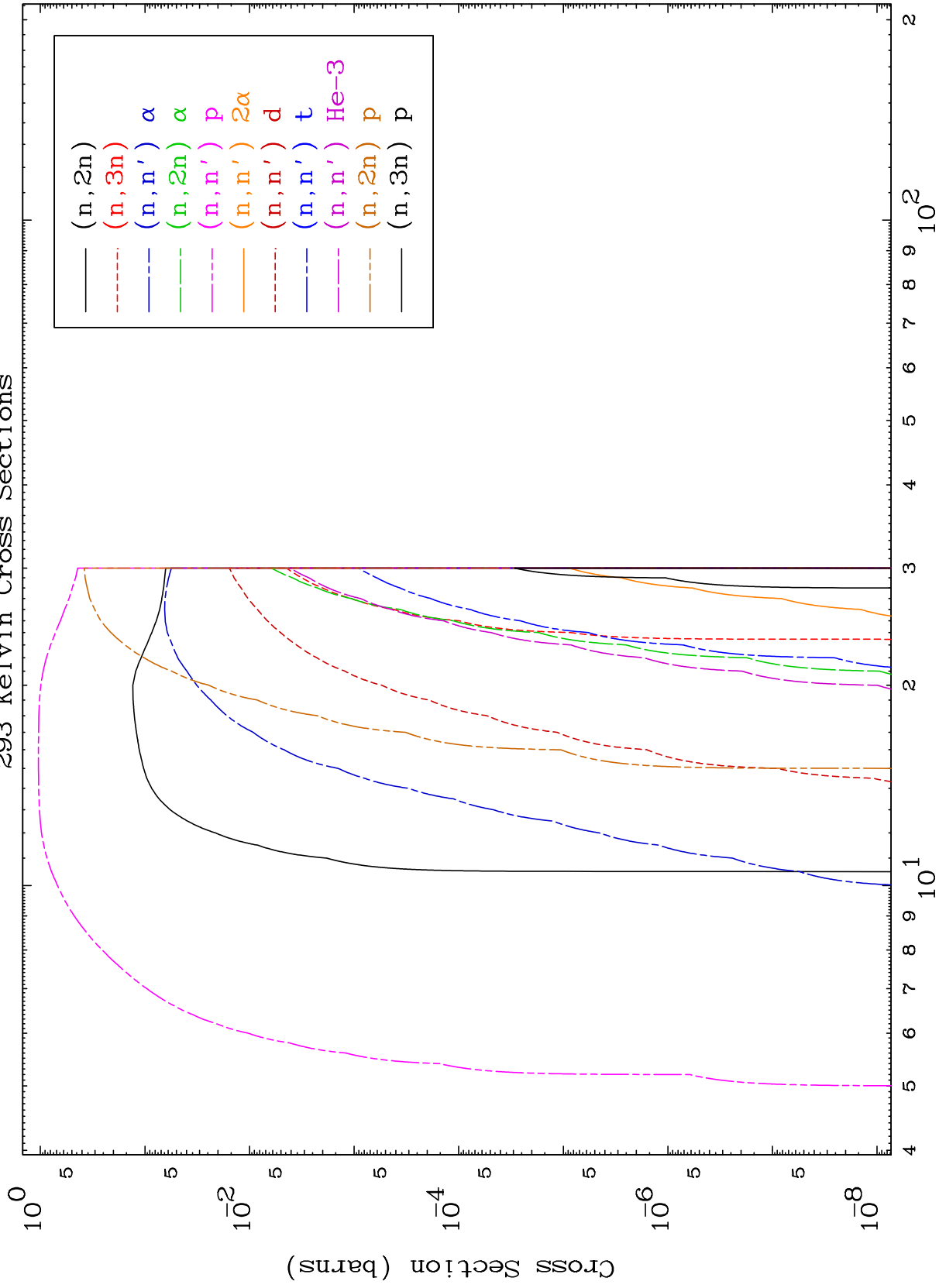
41-Nb-88



MAT 4110

Neutron Production  
293 Kelvin Cross Sections

41-Nb-88



2

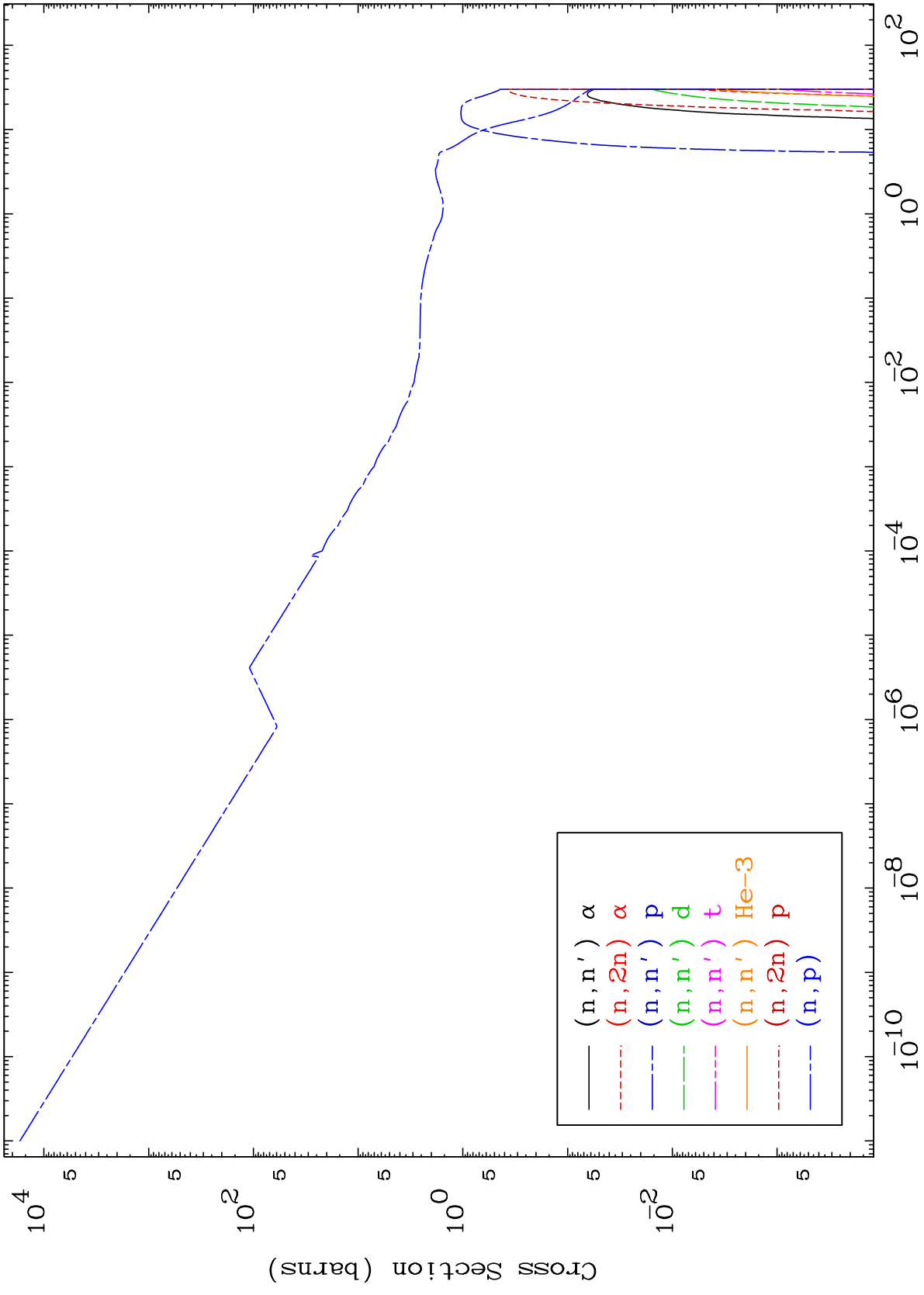
Incident Energy (MeV)

41-Nb-88

MAT 4110

Charged Particle  
293 Kelvin Cross Sections

41-Nb-88

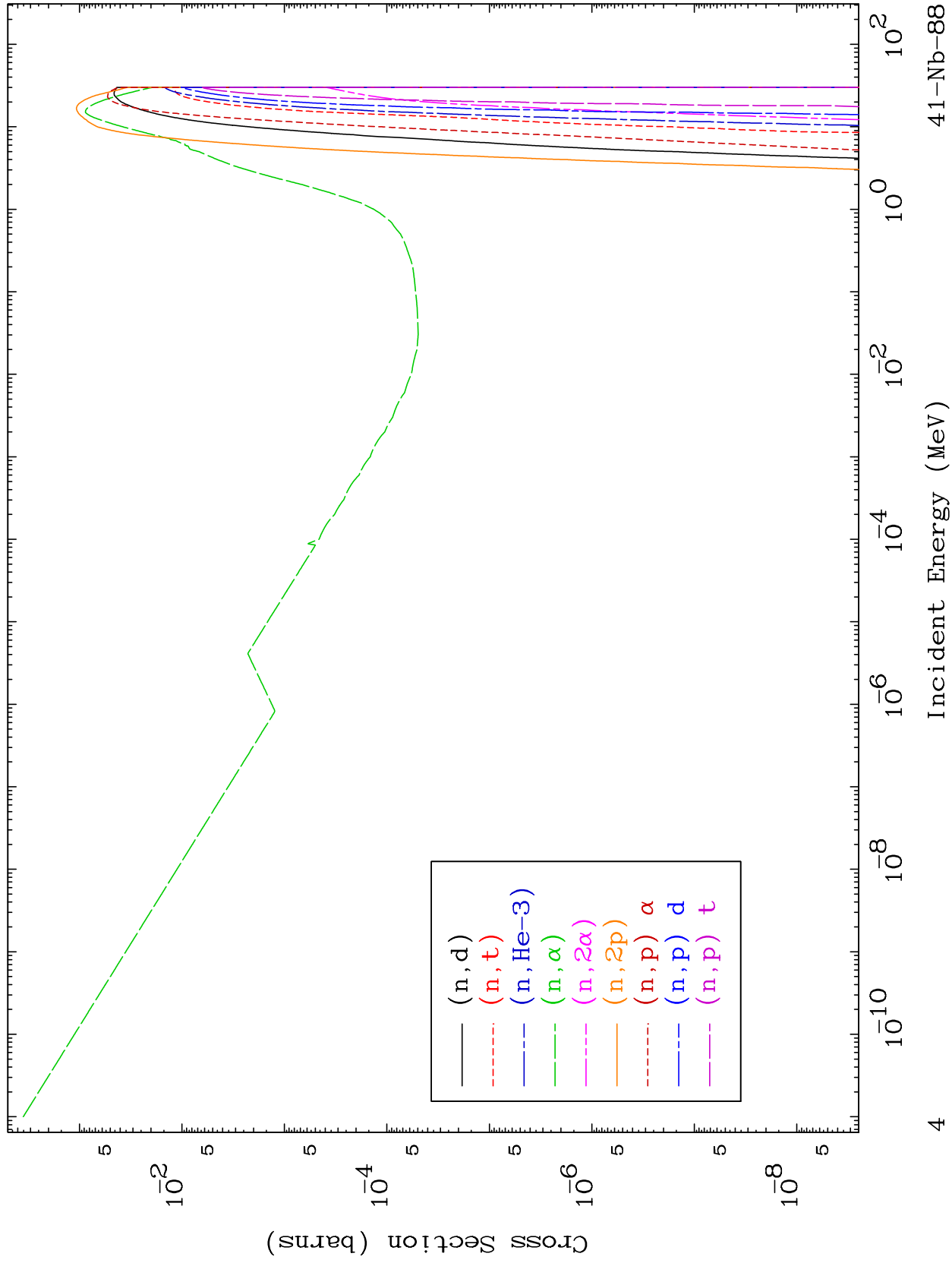


41-Nb-88

MAT 4110

Charged Particle  
293 Kelvin Cross Sections

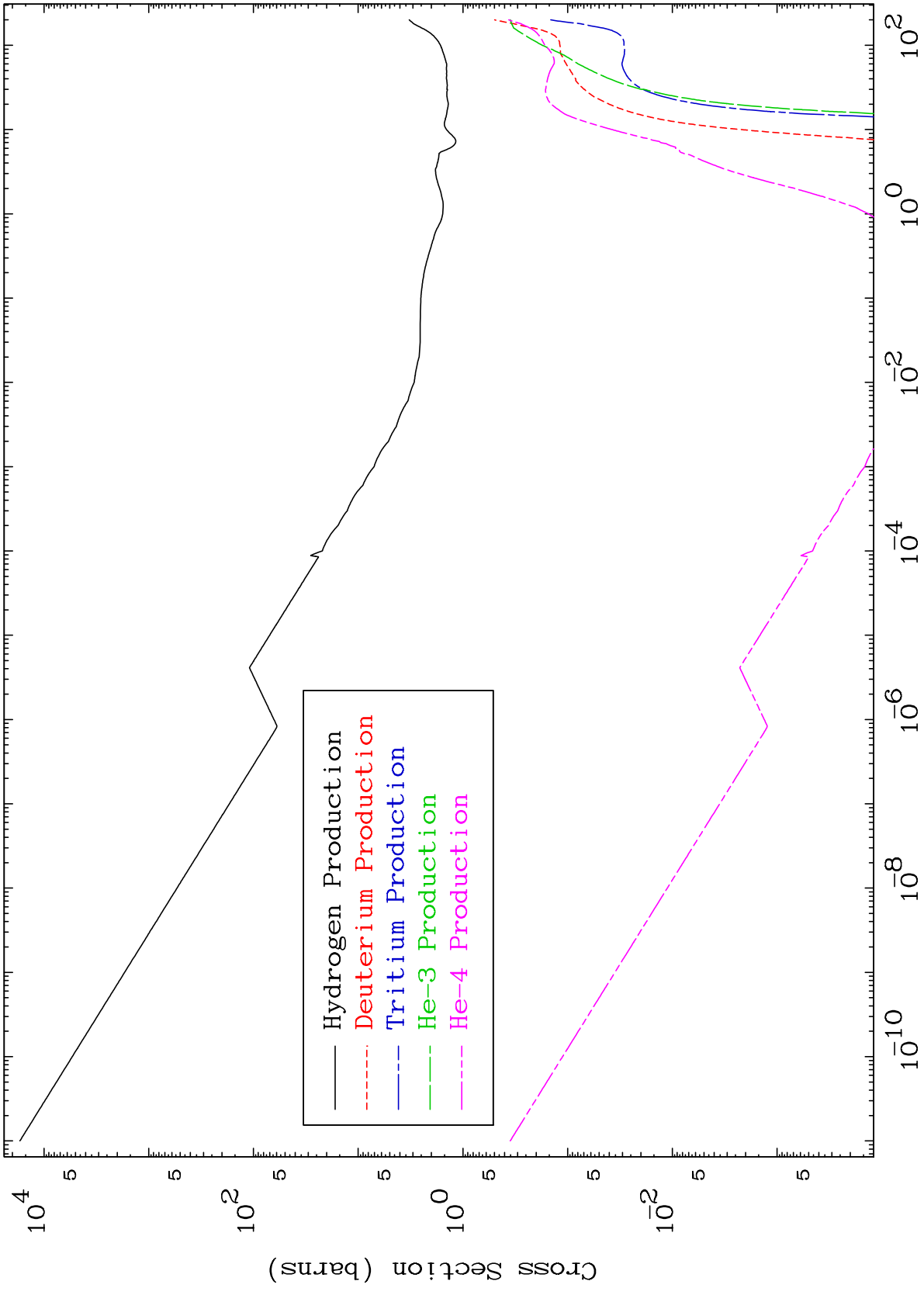
41-Nb-88



MAT 4110

Particle Production  
293 Kelvin Cross Sections

41-Nb-88



5

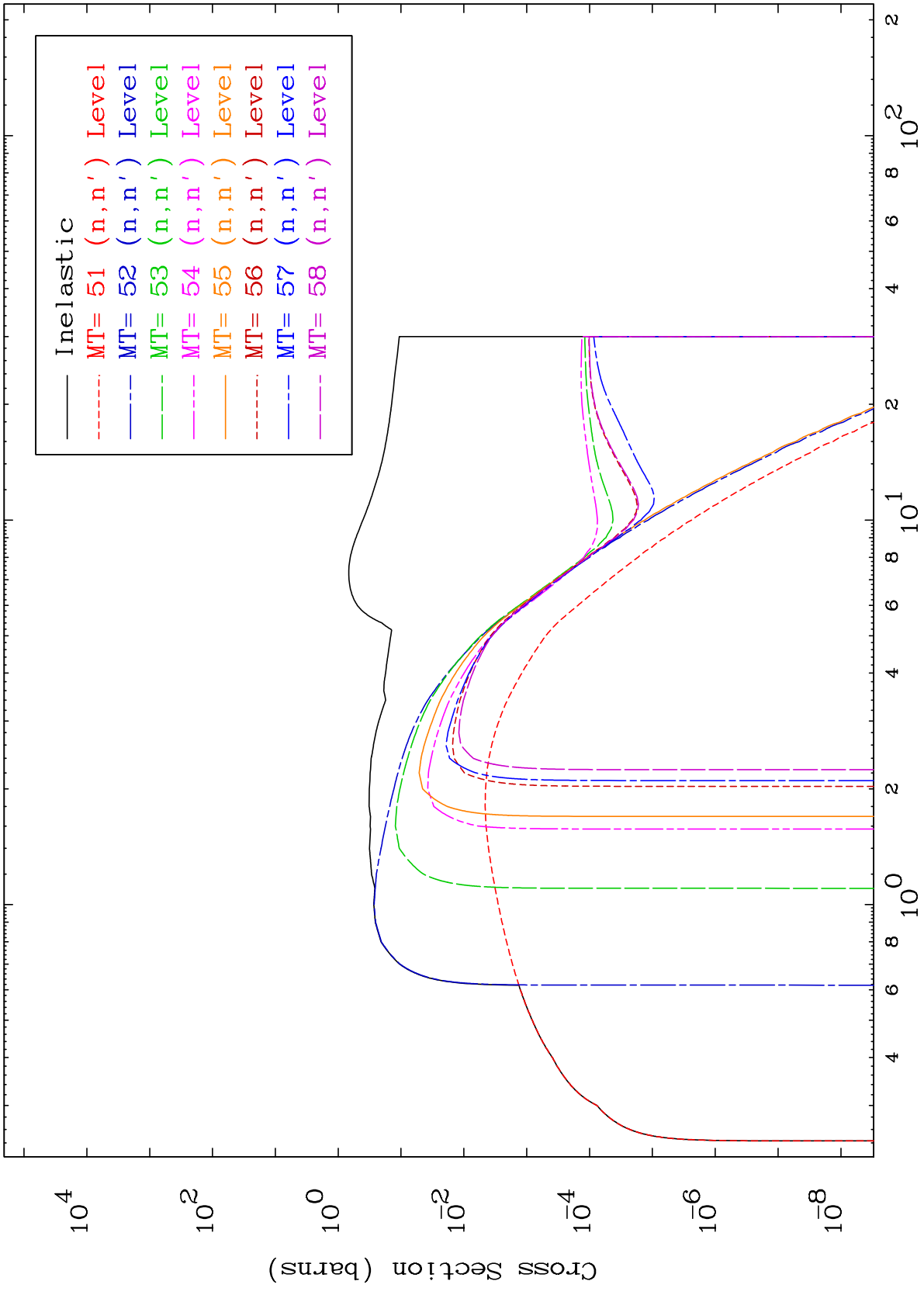
Incident Energy (MeV)

41-Nb-88

MAT 4110

(n,n') Level  
293 Kelvin Cross Sections

41-Nb-88

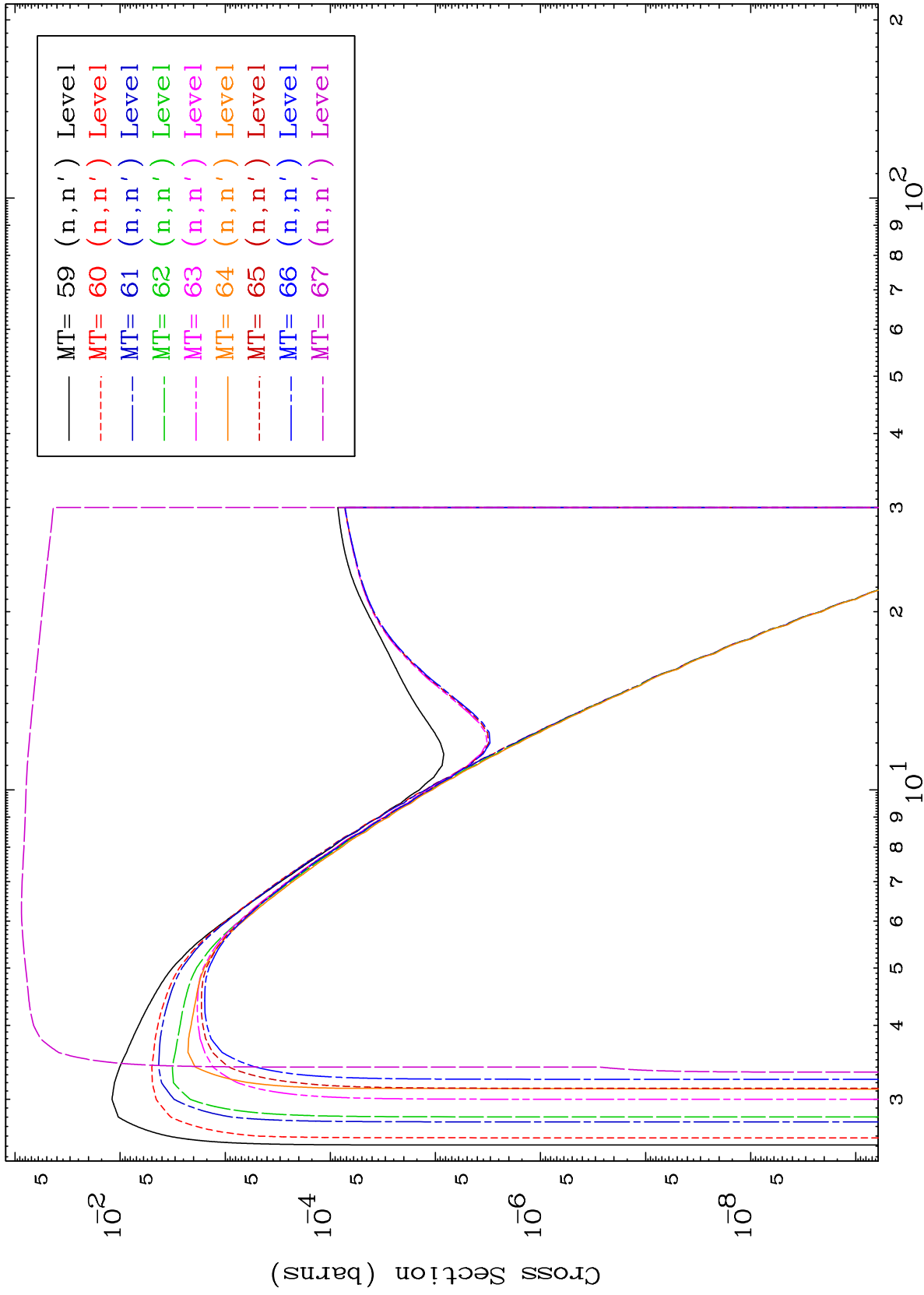


MAT 4110

(n,n') Level

41-Nb-88

293 Kelvin Cross Sections



7

Incident Energy (MeV)

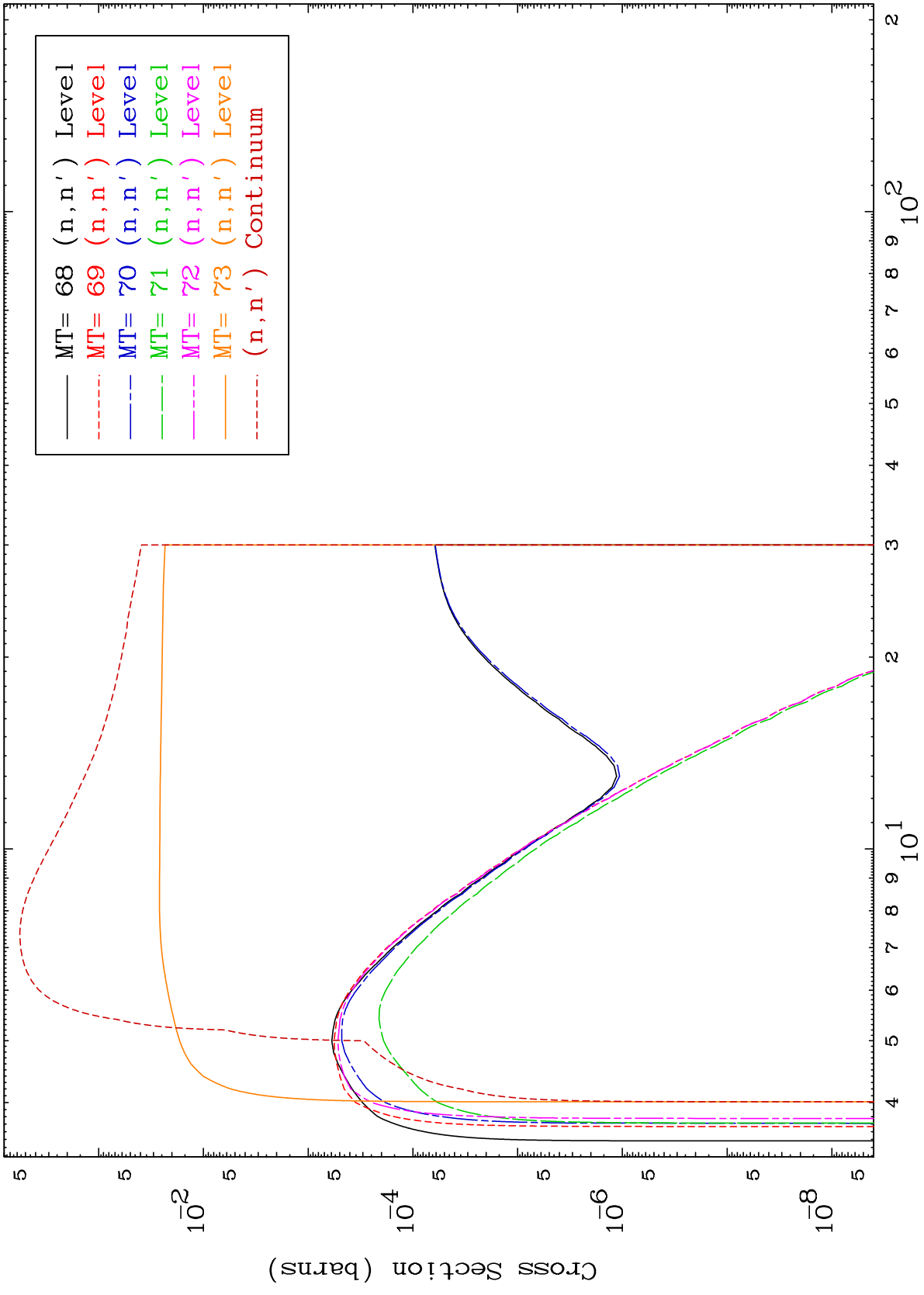
41-Nb-88



MAT 4110

(n,n') Level  
293 Kelvin Cross Sections

41-Nb-88



8

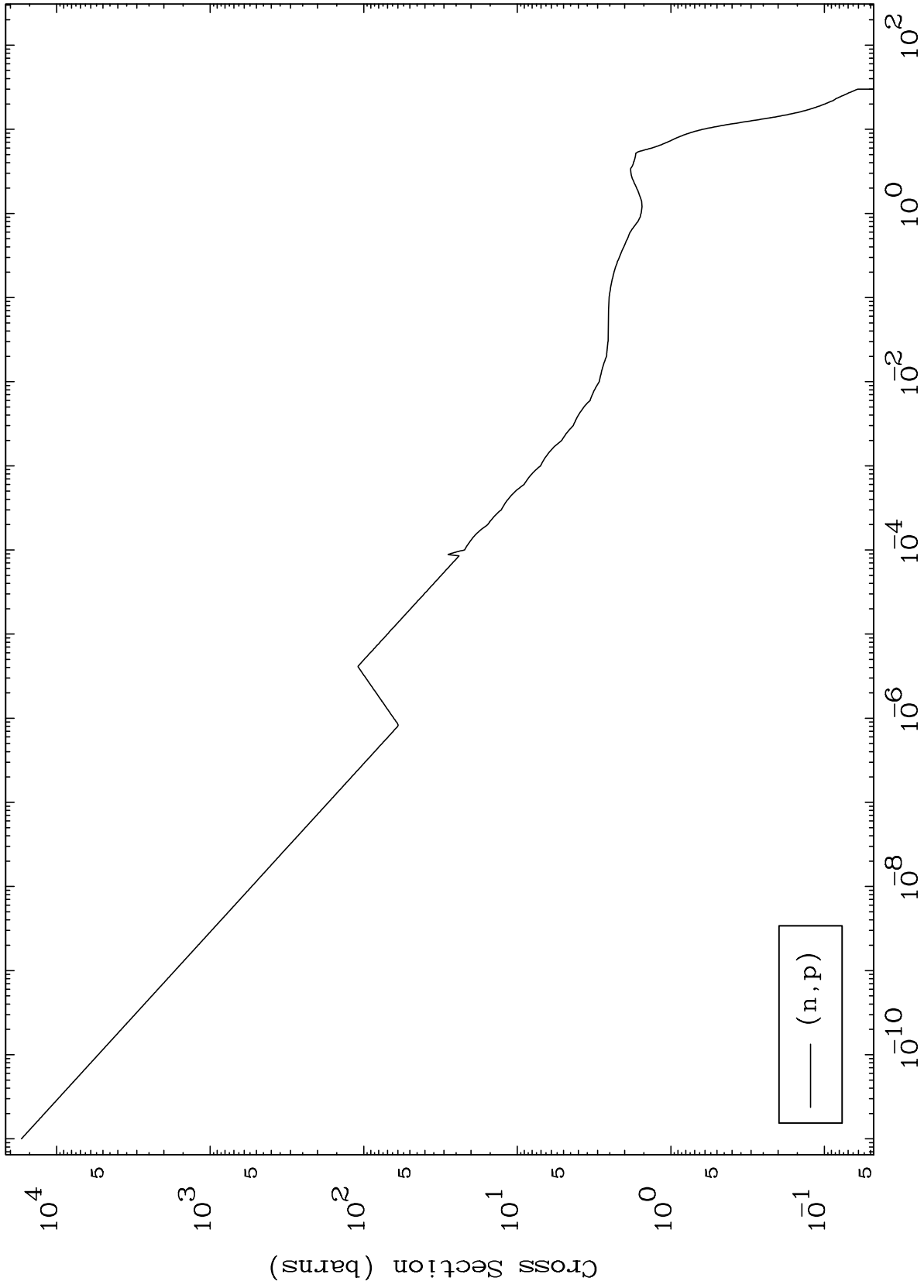
Incident Energy (MeV)

41-Nb-88

MAT 4110

(n,p) Levels  
293 Kelvin Cross Sections

41-Nb-88



9

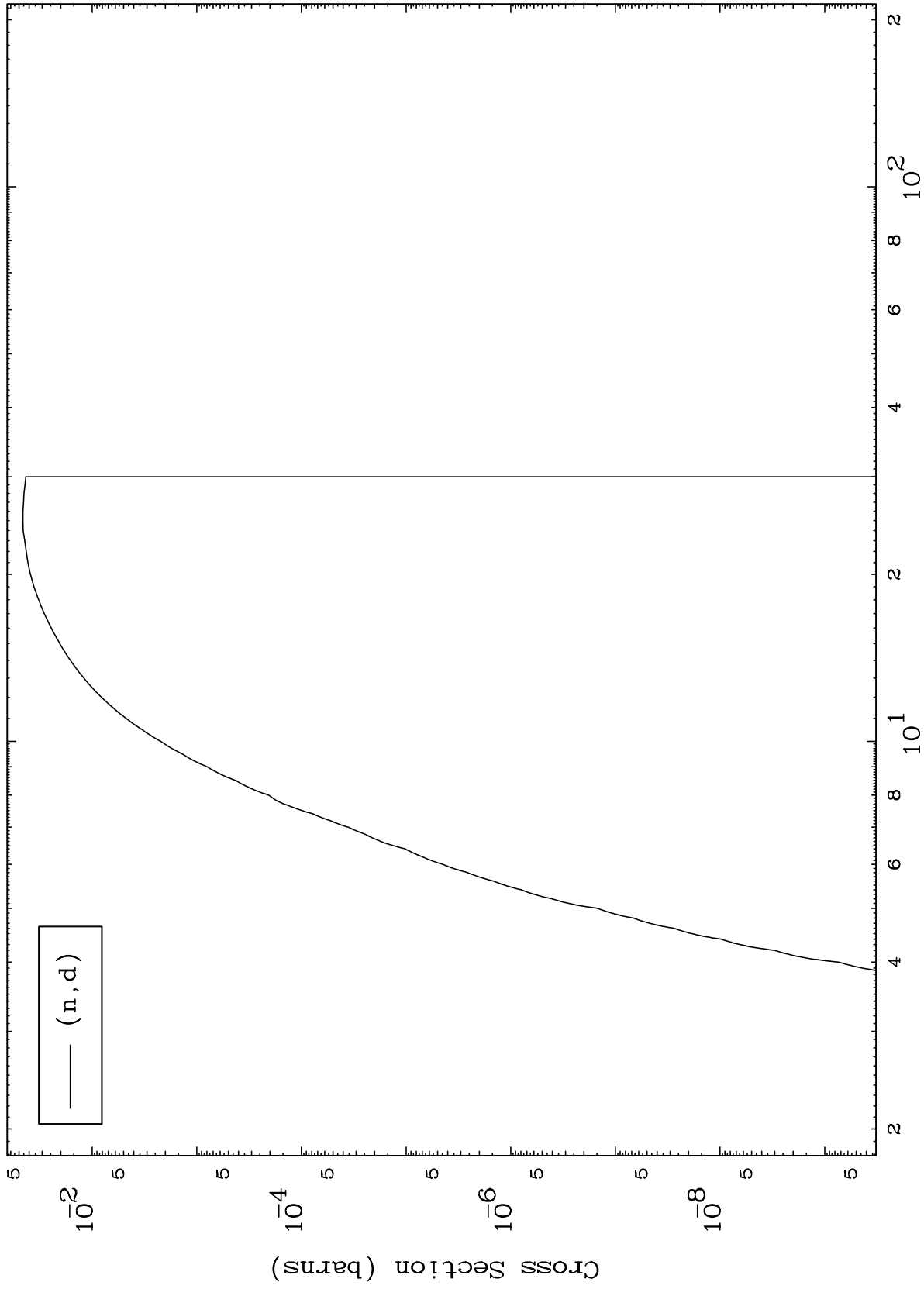
Incident Energy (MeV)

41-Nb-88

MAT 4110

(n,d) Levels  
293 Kelvin Cross Sections

41-Nb-88



10

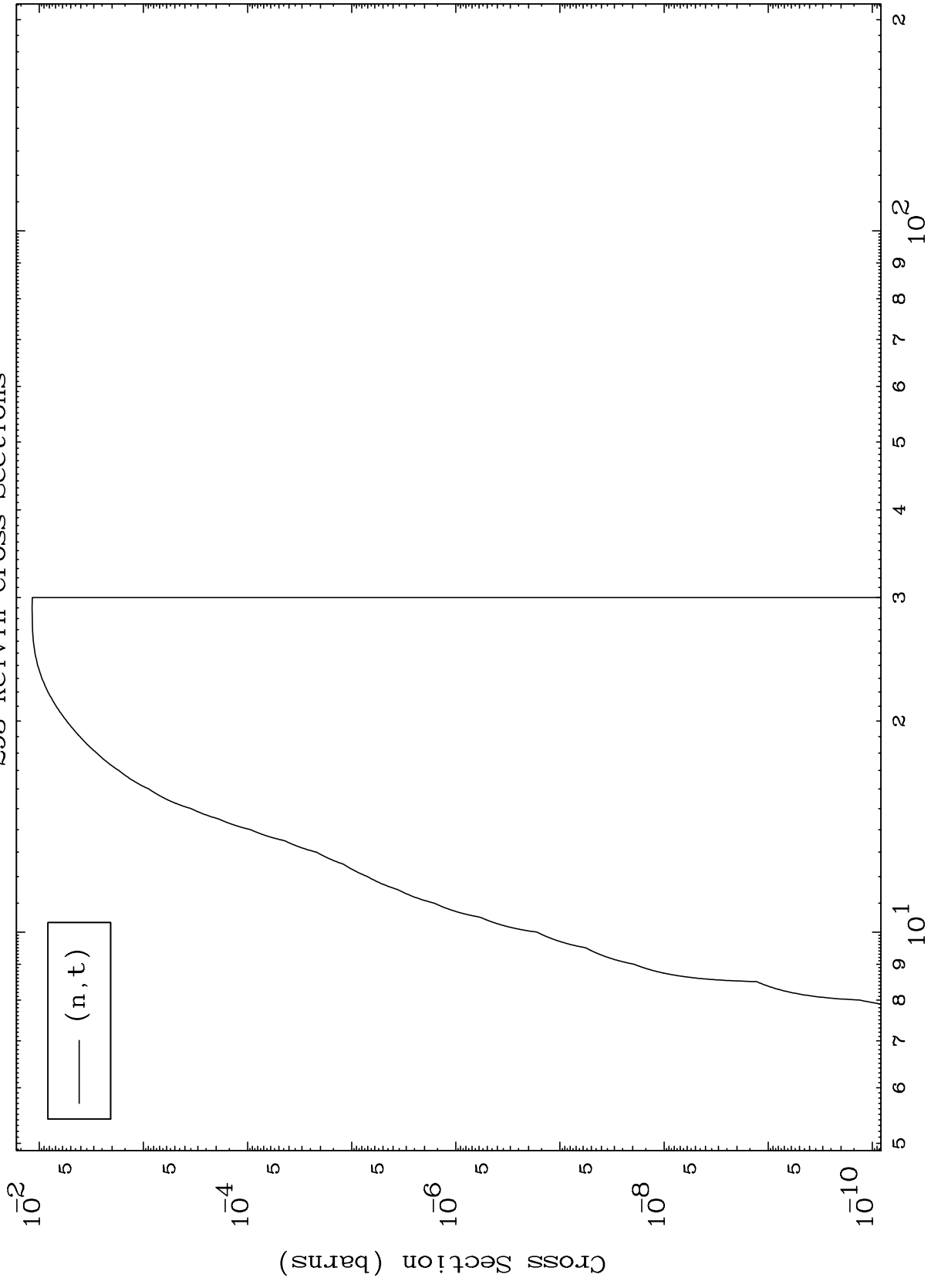
Incident Energy (MeV)

41-Nb-88

MAT 4110

(n,t) Levels  
293 Kelvin Cross Sections

41-Nb-88



11

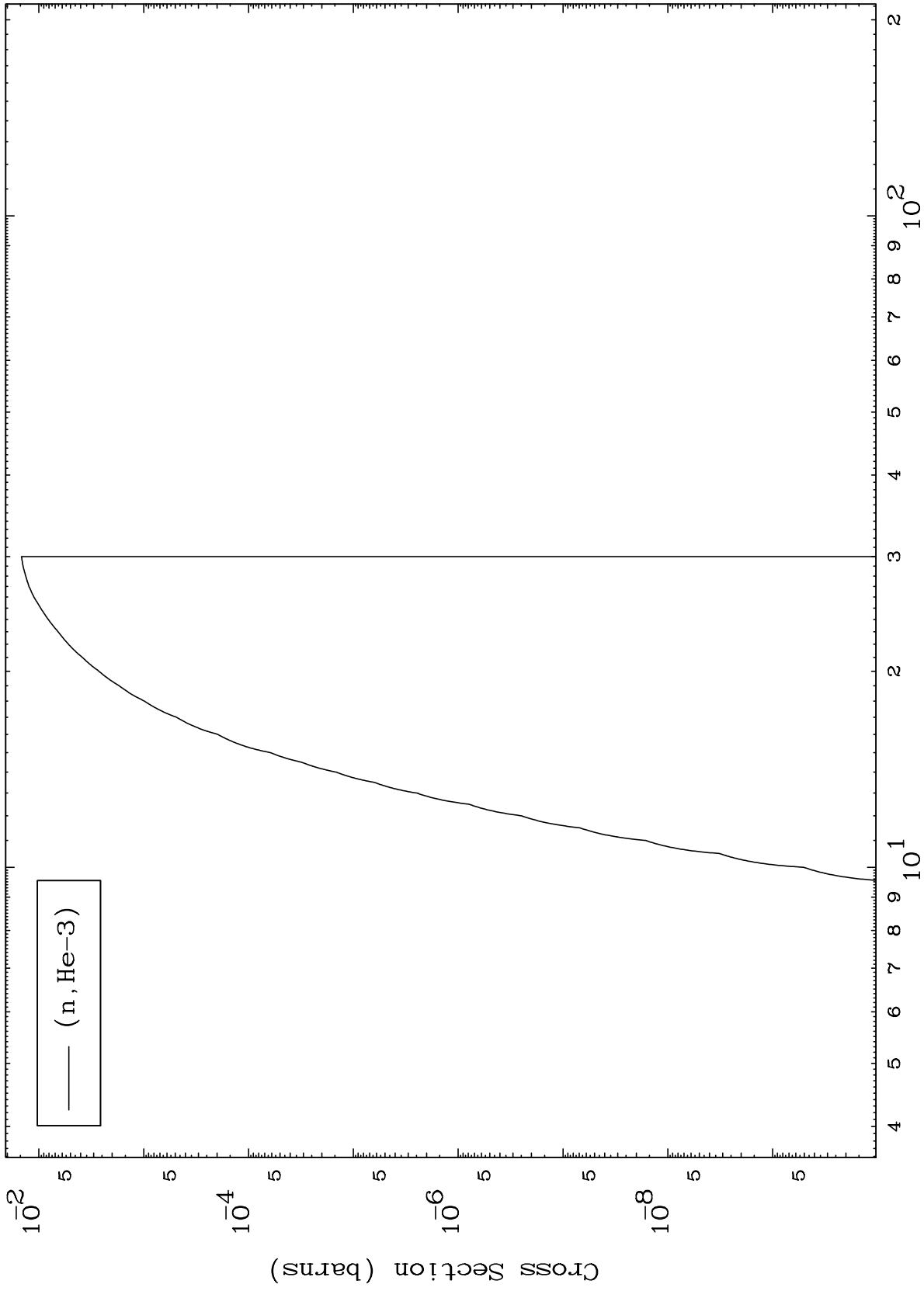
Incident Energy (MeV)

41-Nb-88

MAT 4110

(n,He3) Levels  
293 Kelvin Cross Sections

41-Nb-88



12

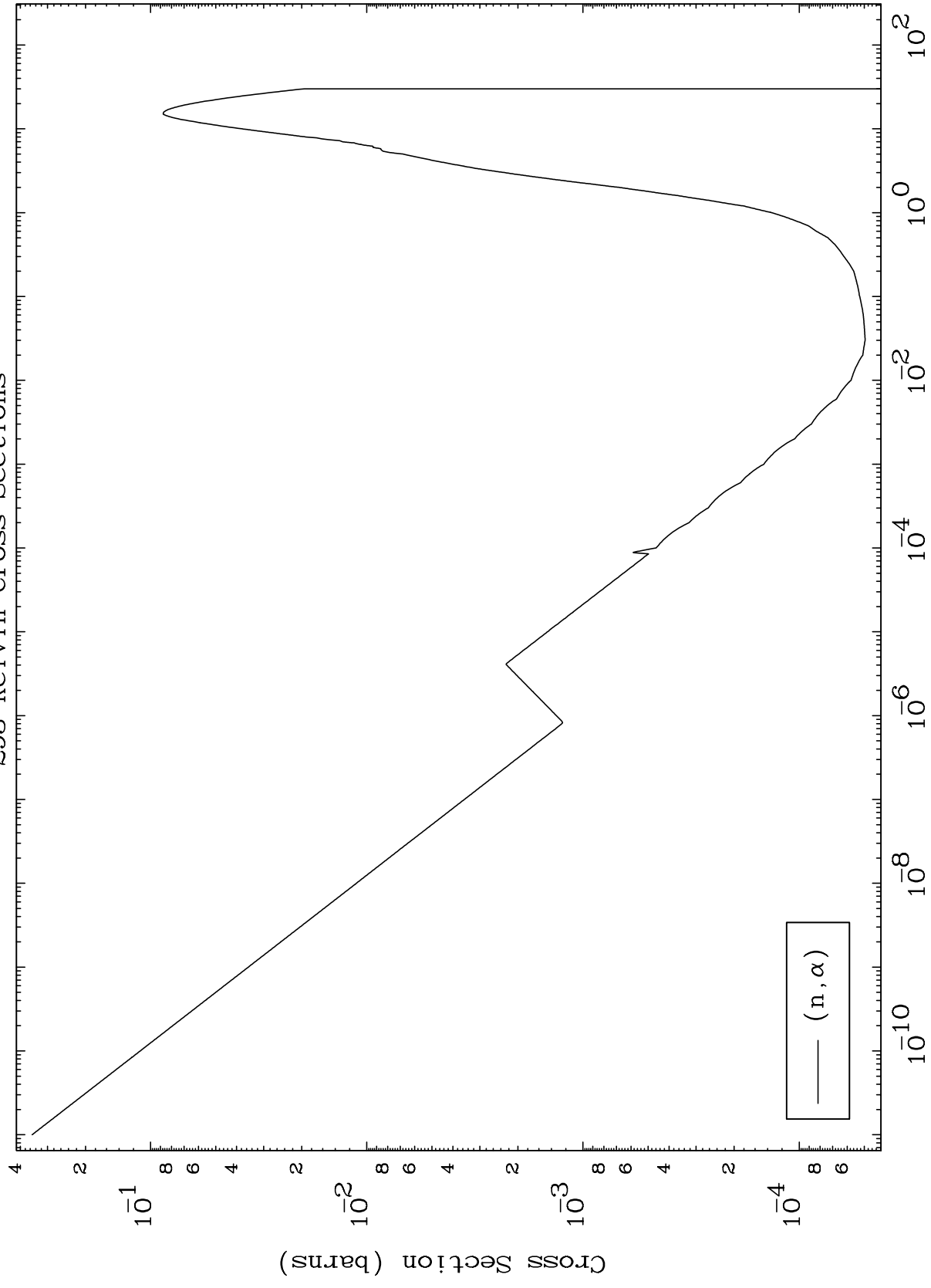
Incident Energy (MeV)

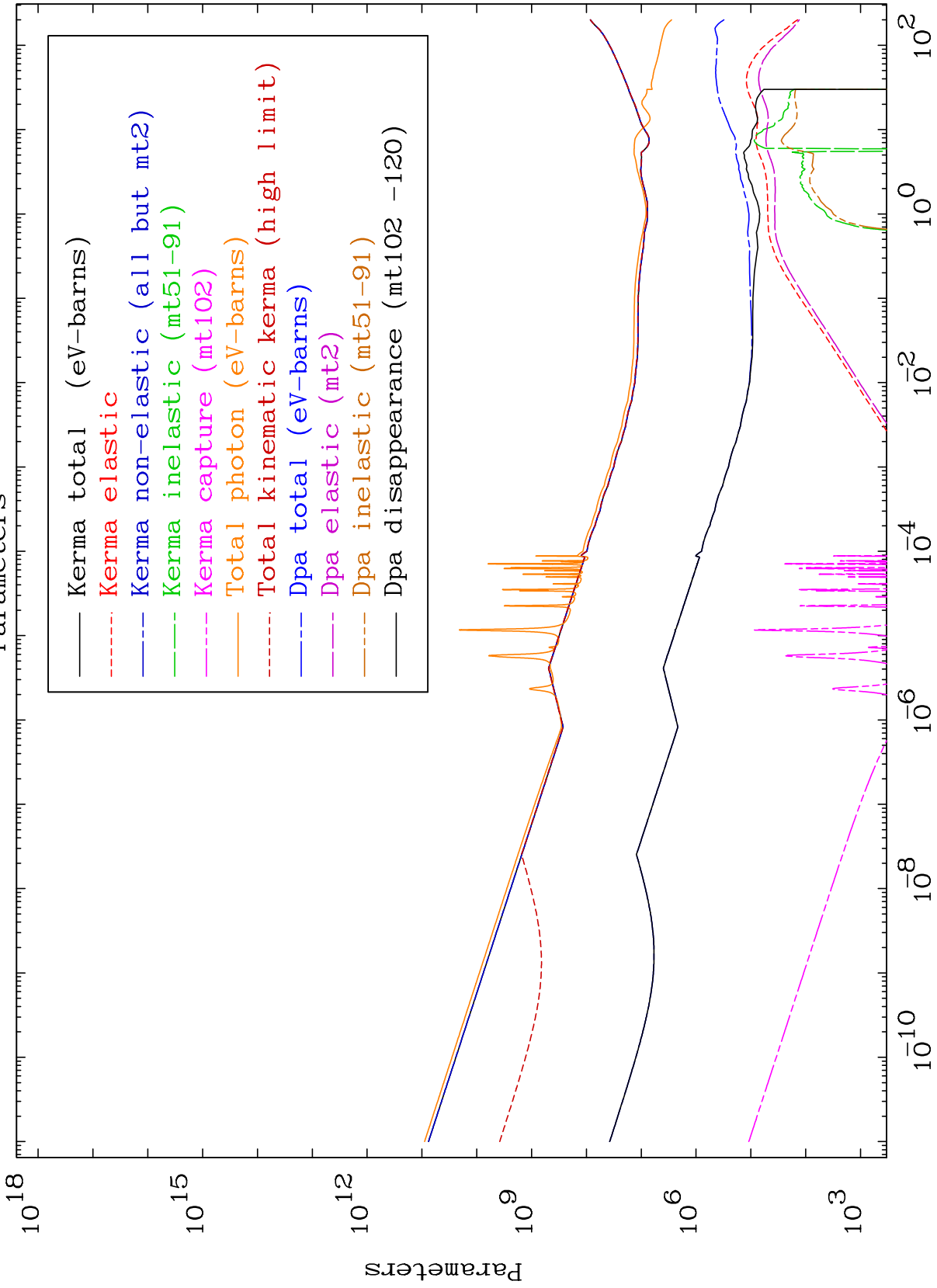
41-Nb-88

MAT 4110

(n,α) Levels  
293 Kelvin Cross Sections

41-Nb-88

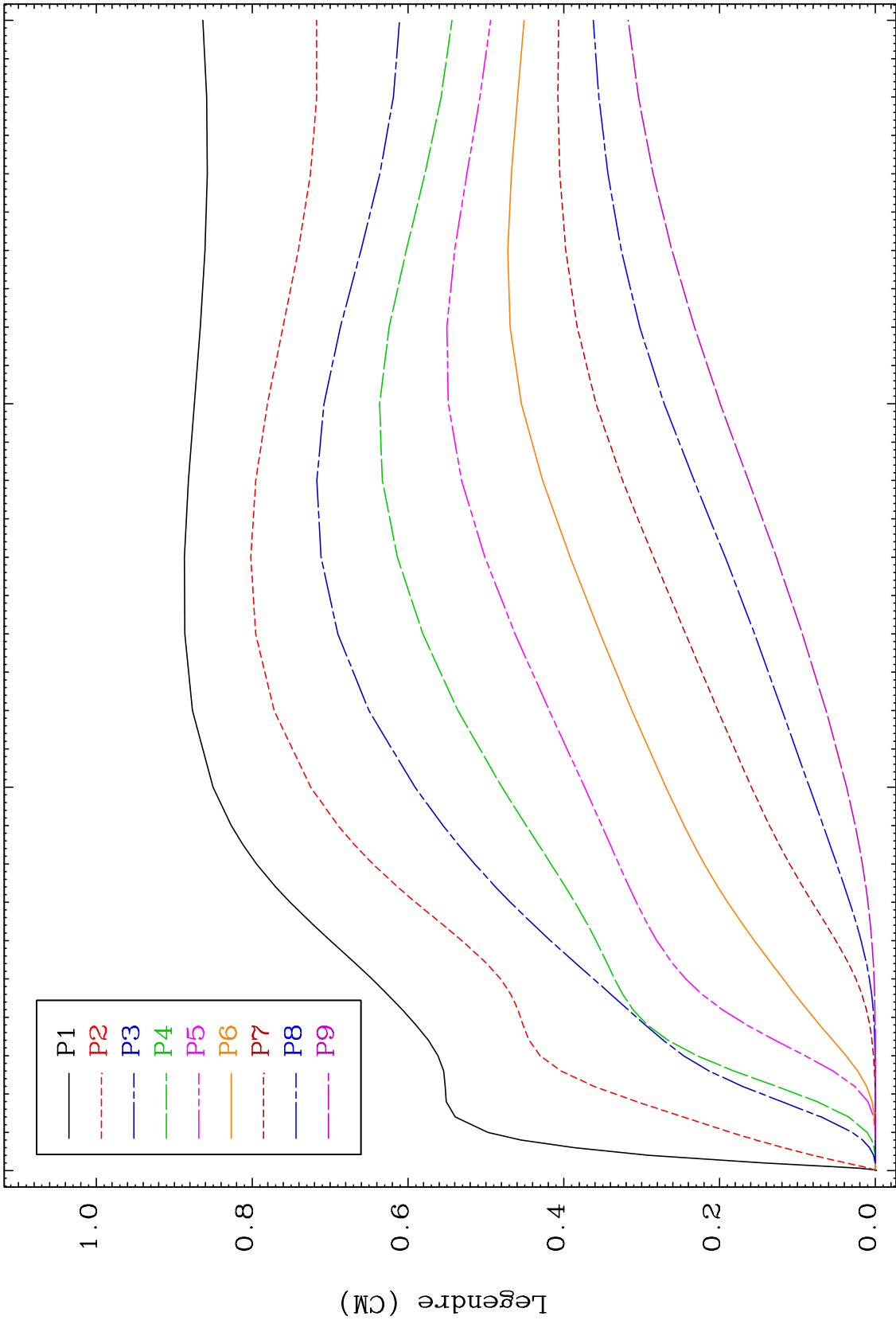




MAT 4110

Elastic Legendre Coefficients

41-Nb-88



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Incident Energy (MeV)

41-Nb-88

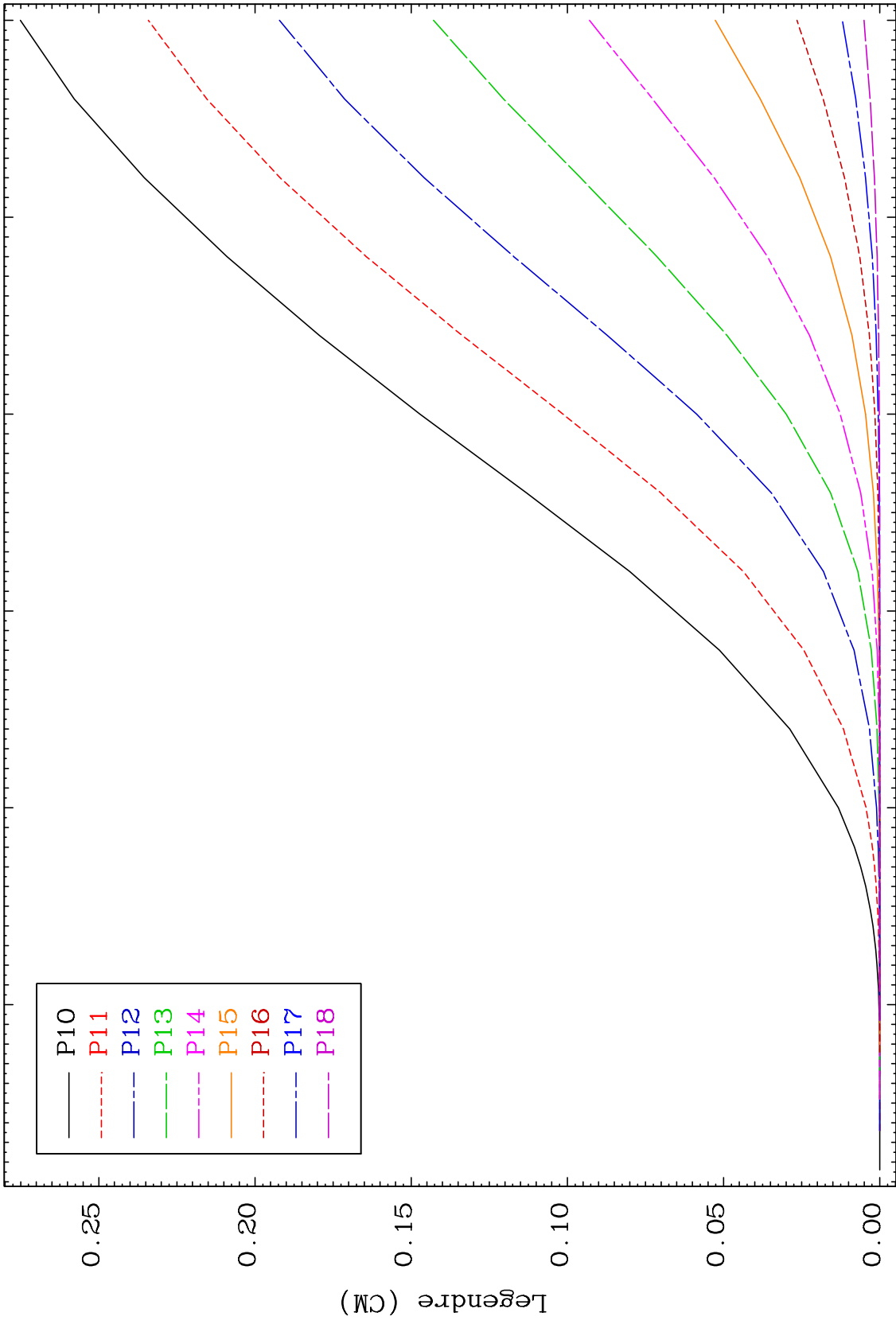
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MAT 4110

Elastic Legendre Coefficients

41-Nb-88



16

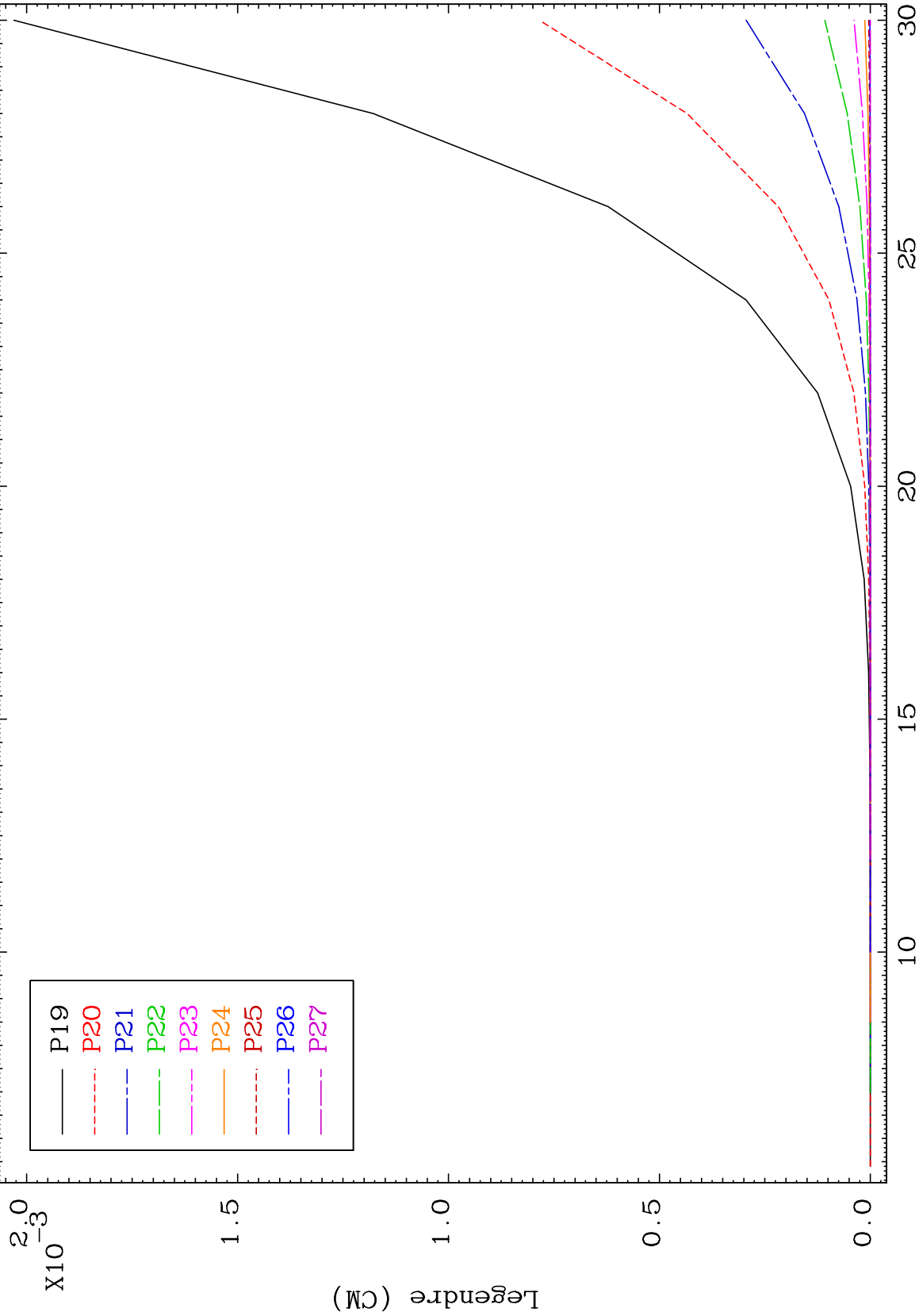
Incident Energy (MeV)

41-Nb-88

MAT 4110

### Elastic Legendre Coefficients

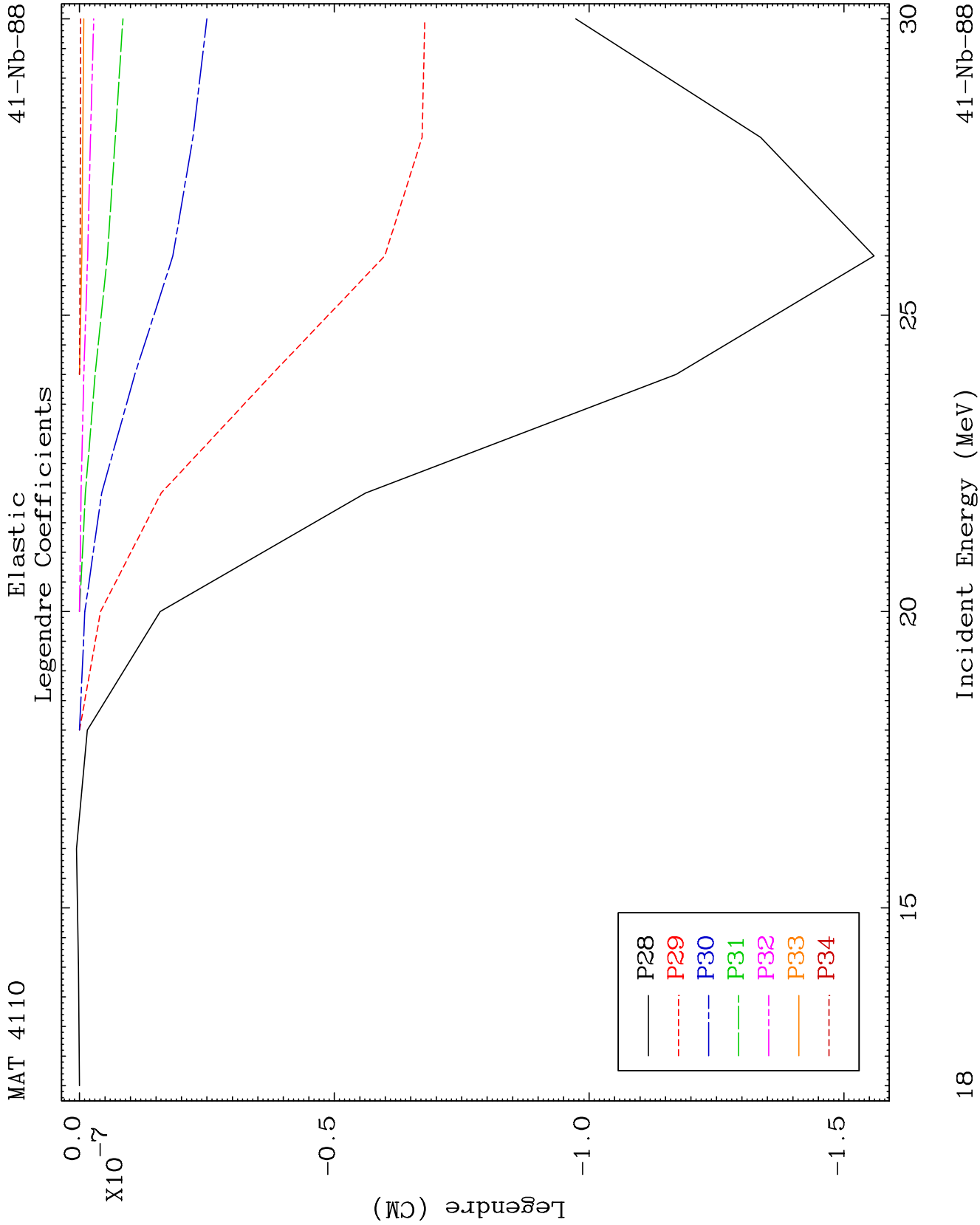
41-Nb-88



17

Incident Energy (MeV)

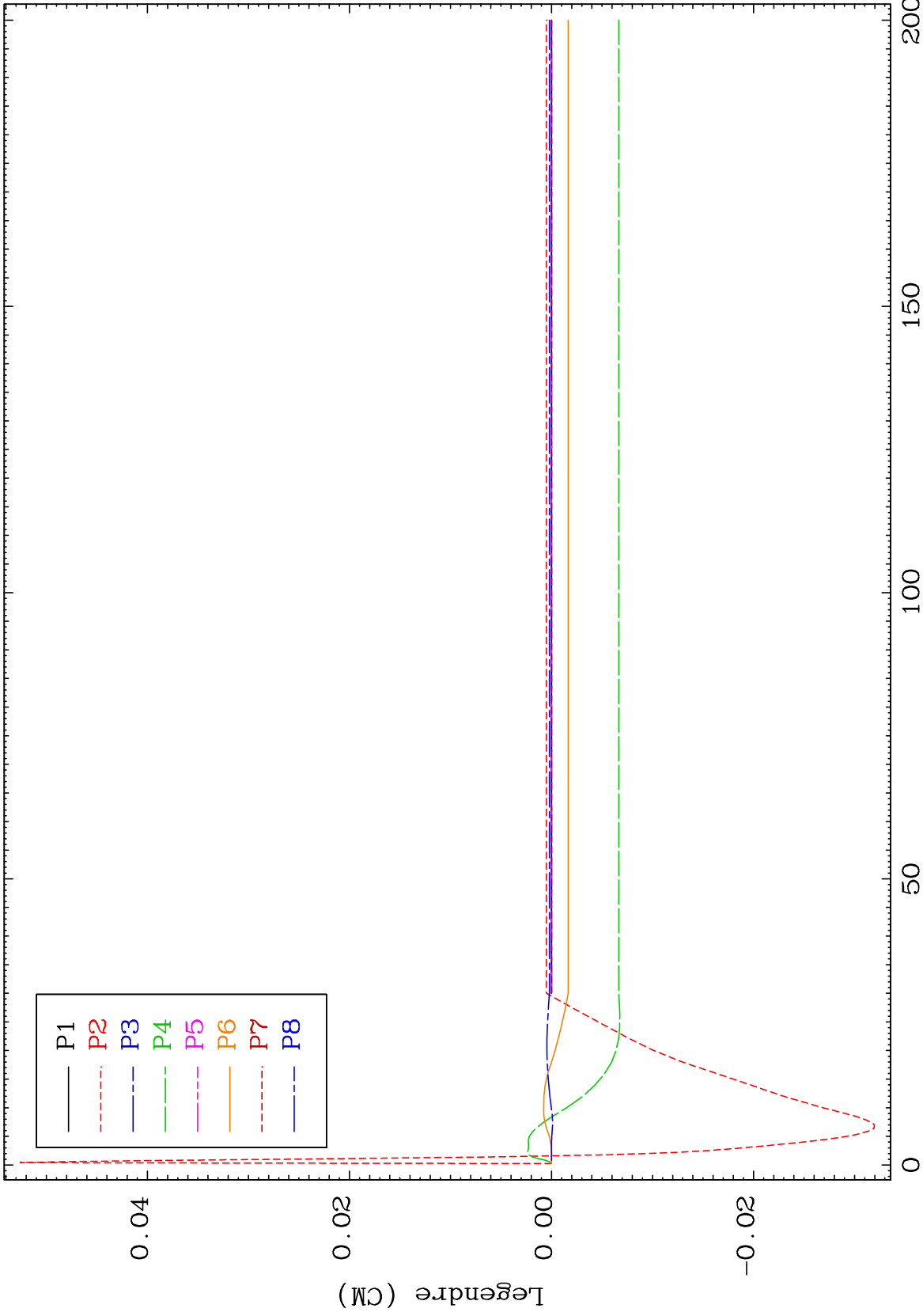
41-Nb-88



MAT 4110

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

41-Nb-88

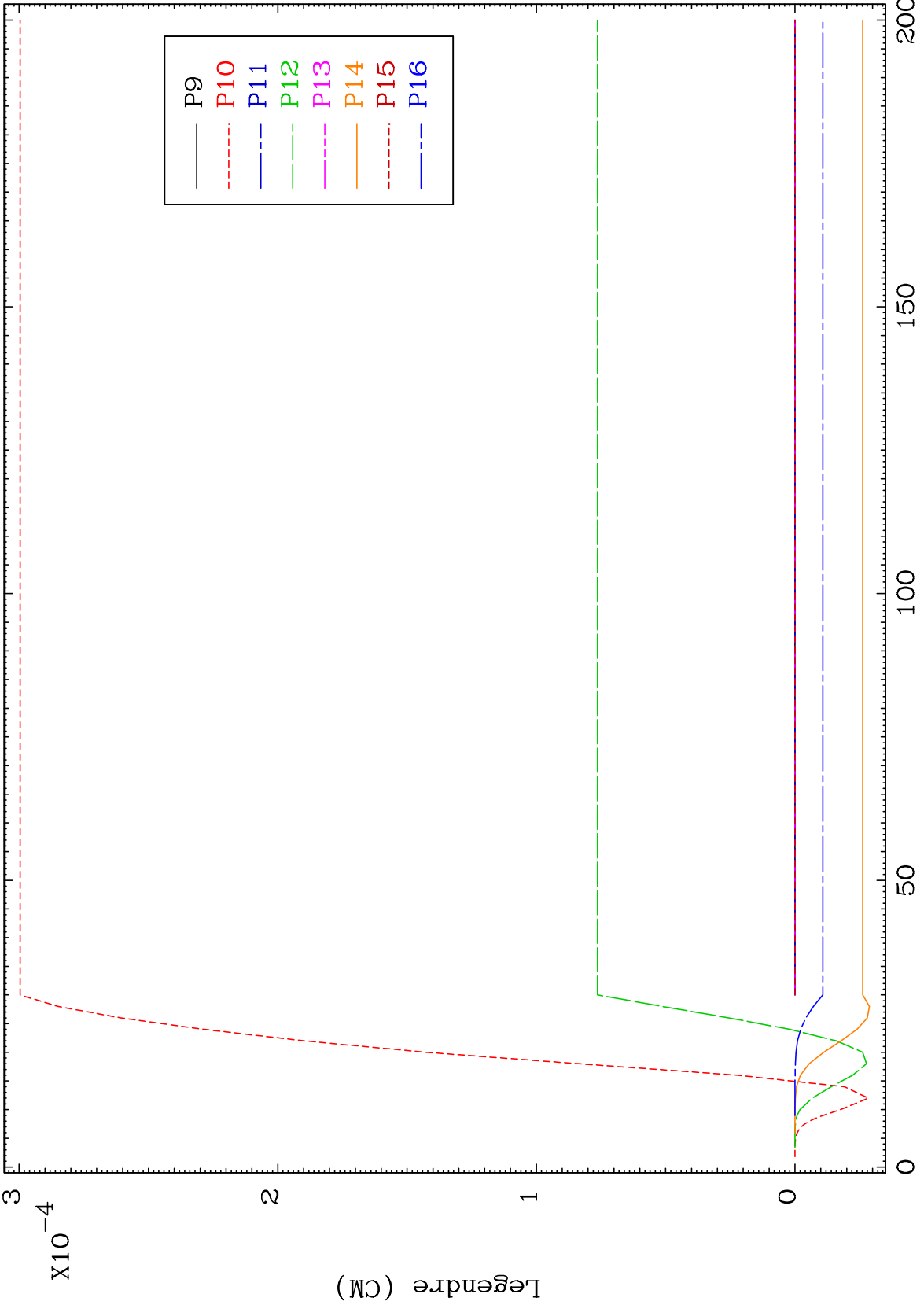


19

Incident Energy (MeV)

41-Nb-88

MAT 4110 MT= 51 (n,n') Level Legendre Coefficients 41-Nb-88

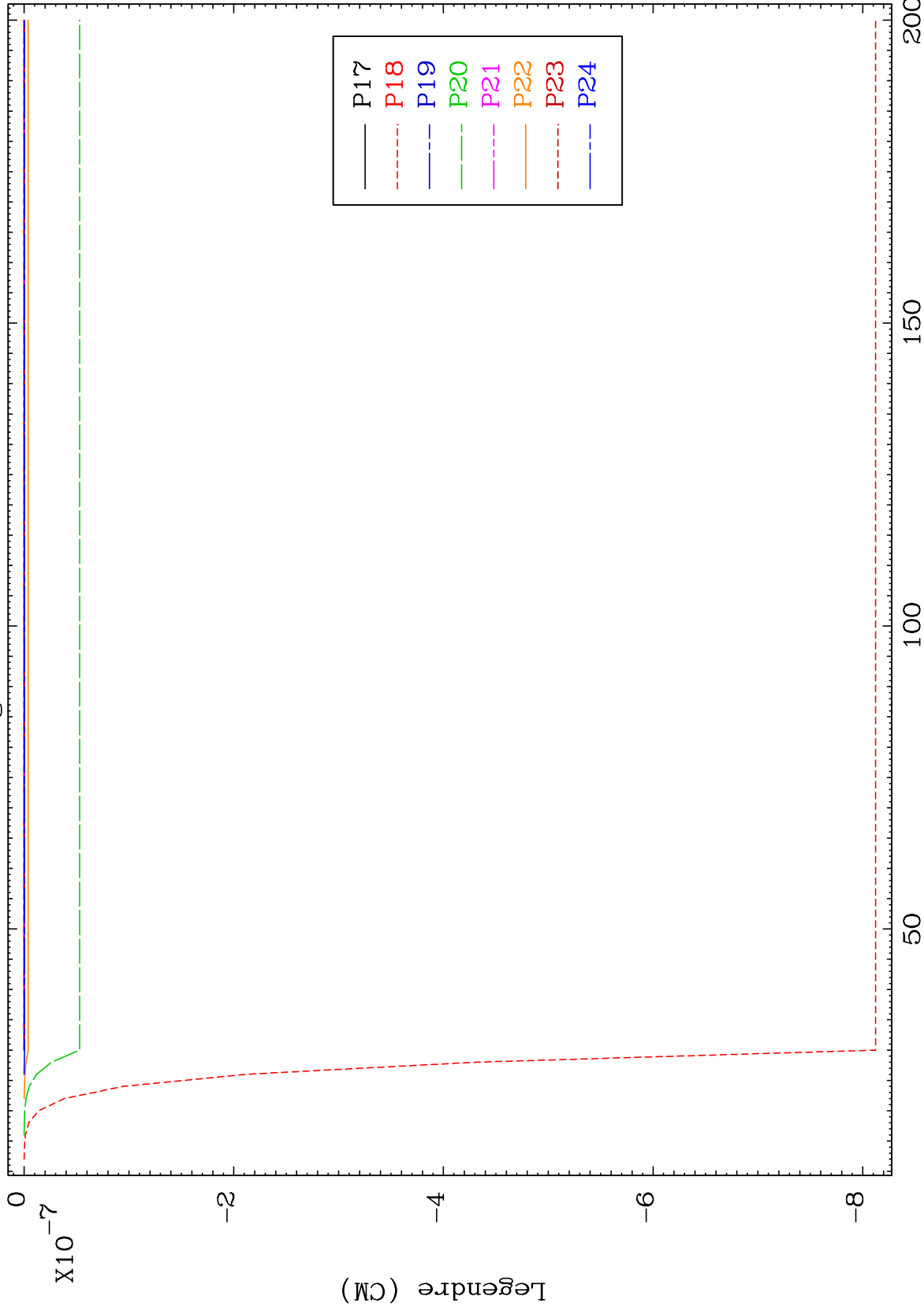


41-Nb-88

MAT 4110

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

41-Nb-88

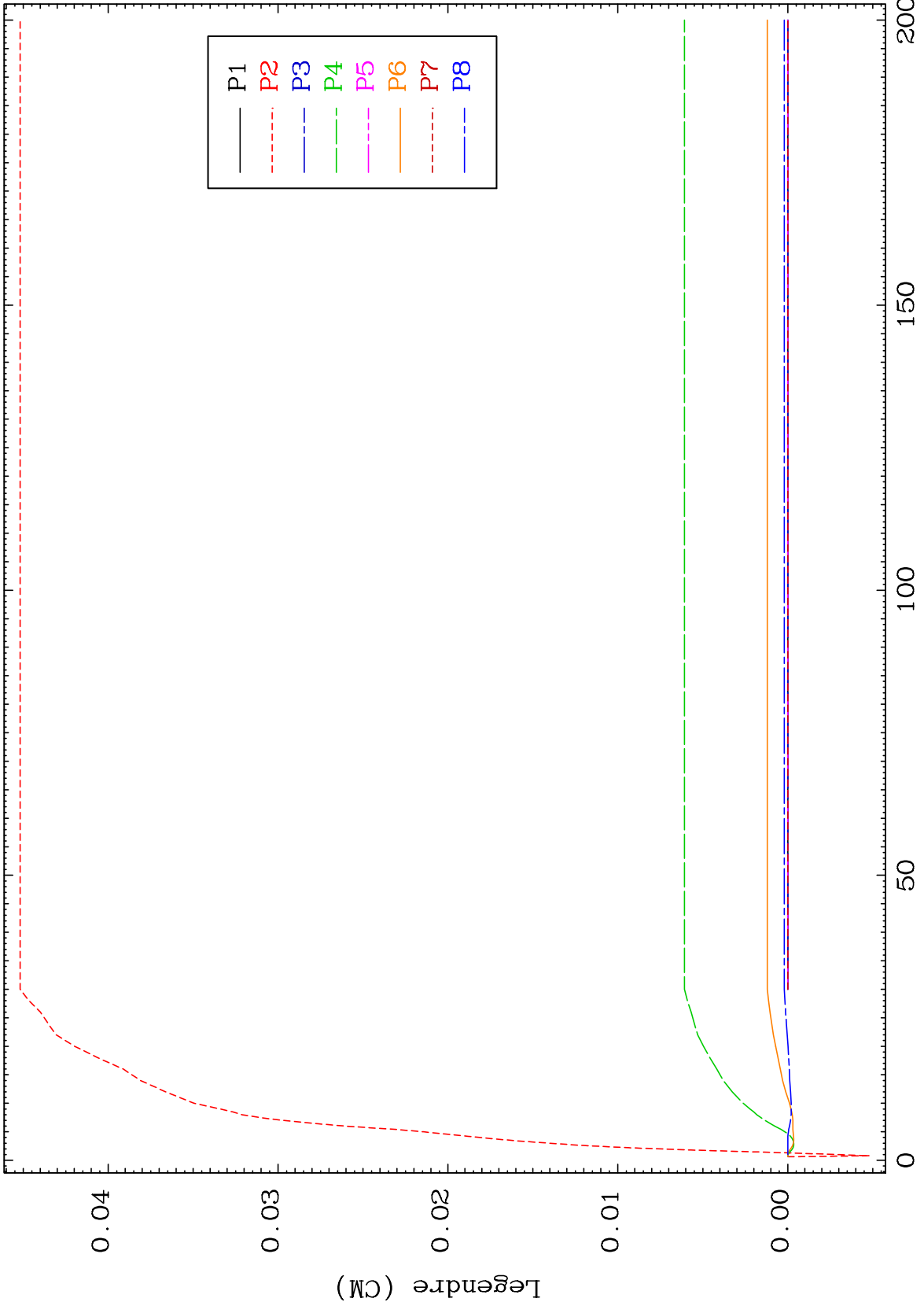


41-Nb-88

Incident Energy (MeV)

21

MAT 4110 MT= 52 (n,n') Level Legendre Coefficients 41-Nb-88

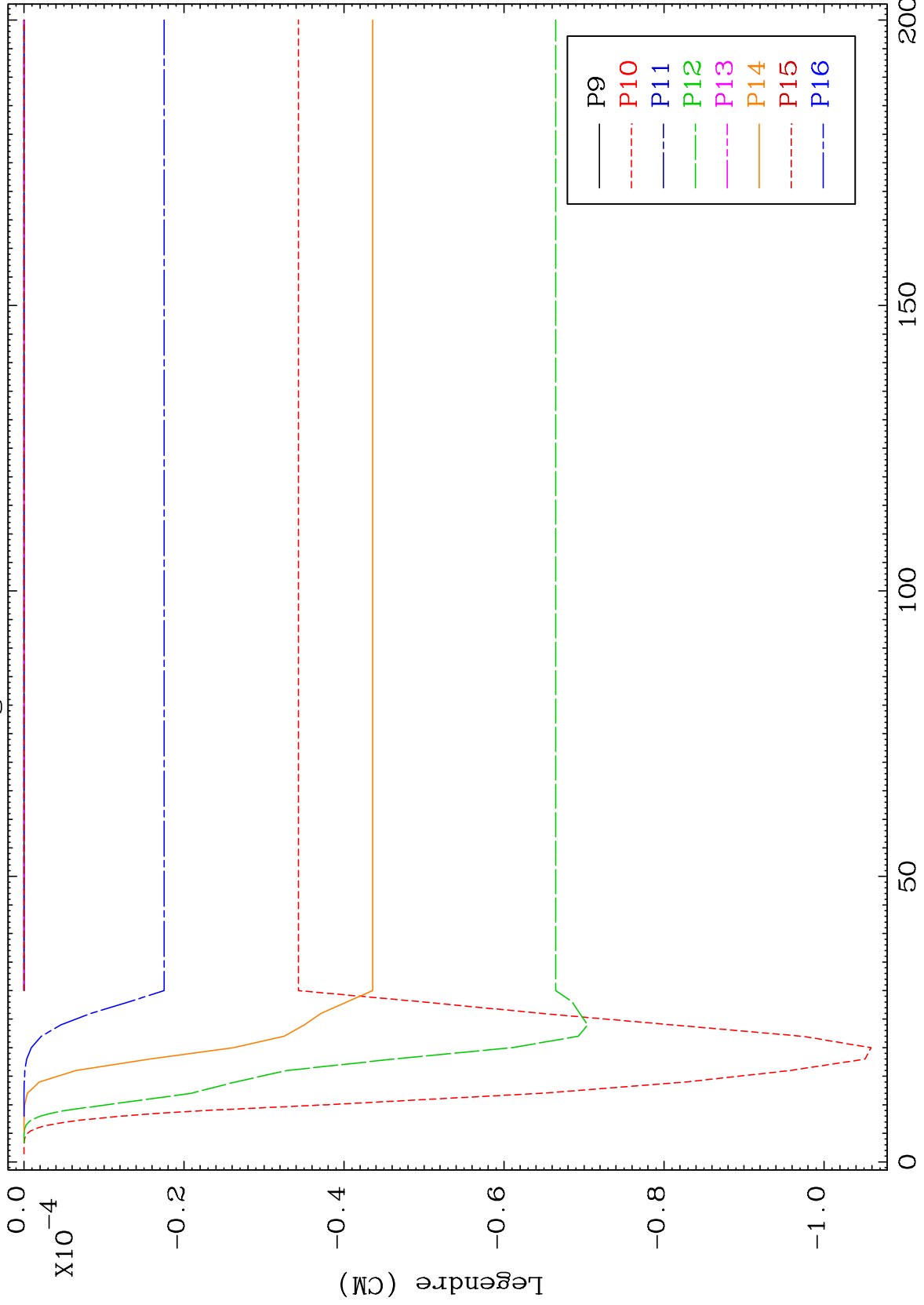


22 Incident Energy (MeV) 41-Nb-88

MAT 4110

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

41-Nb-88



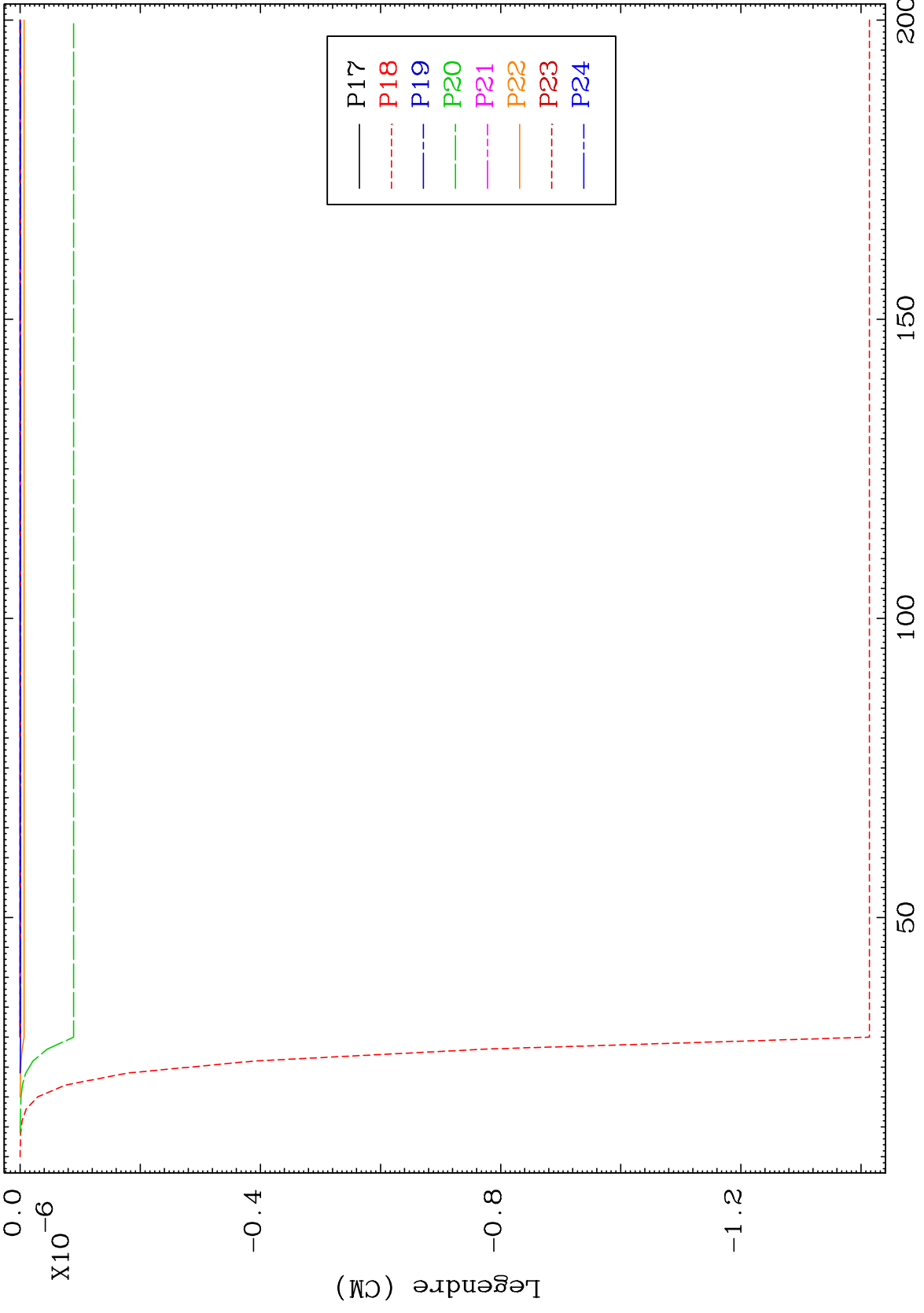
41-Nb-88

Incident Energy (MeV)

23



MAT 4110 MT= 52 (n,n') Level Legendre Coefficients 41-Nb-88

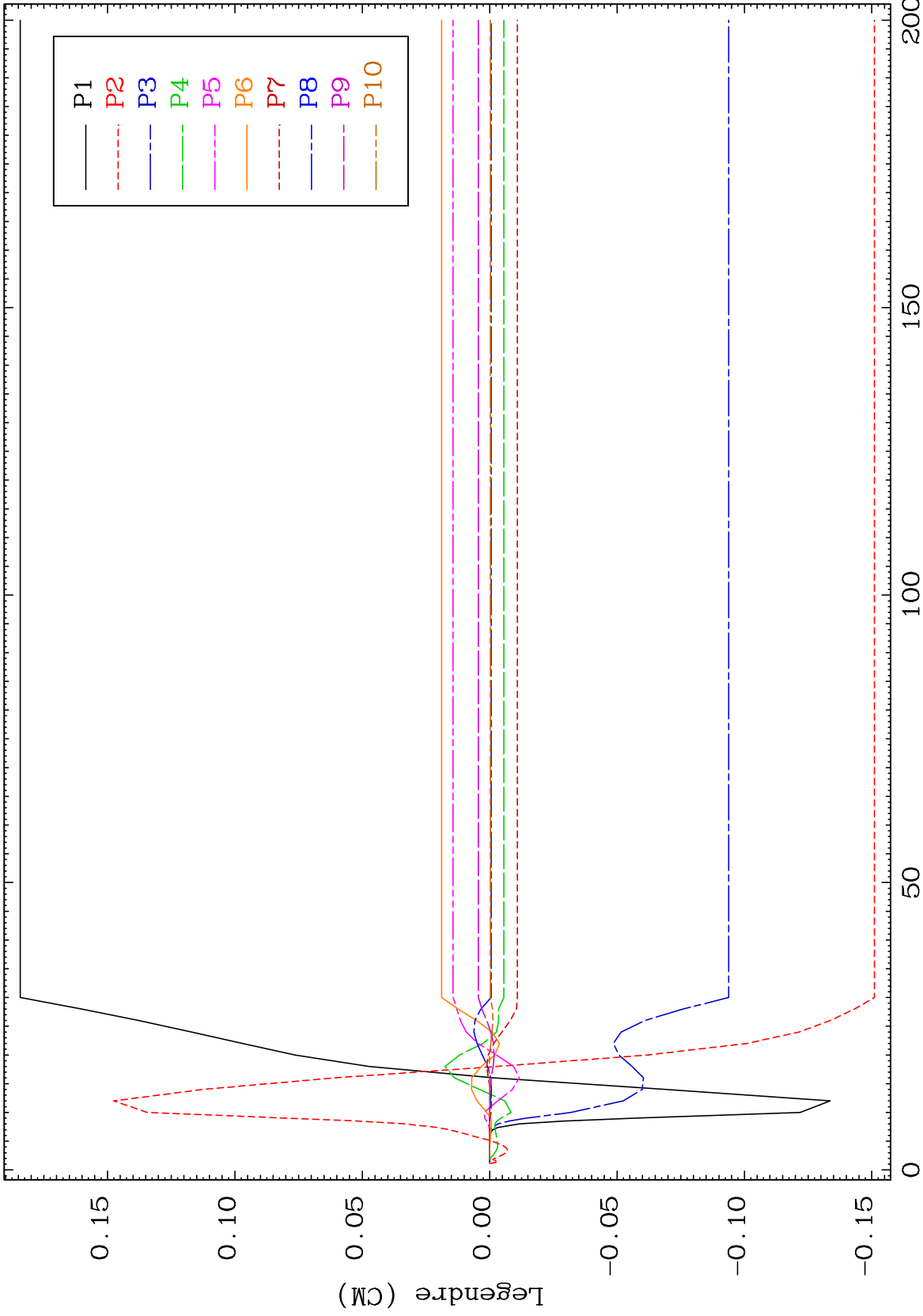


24 41-Nb-88

MAT 4110

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

41-Nb-88



25

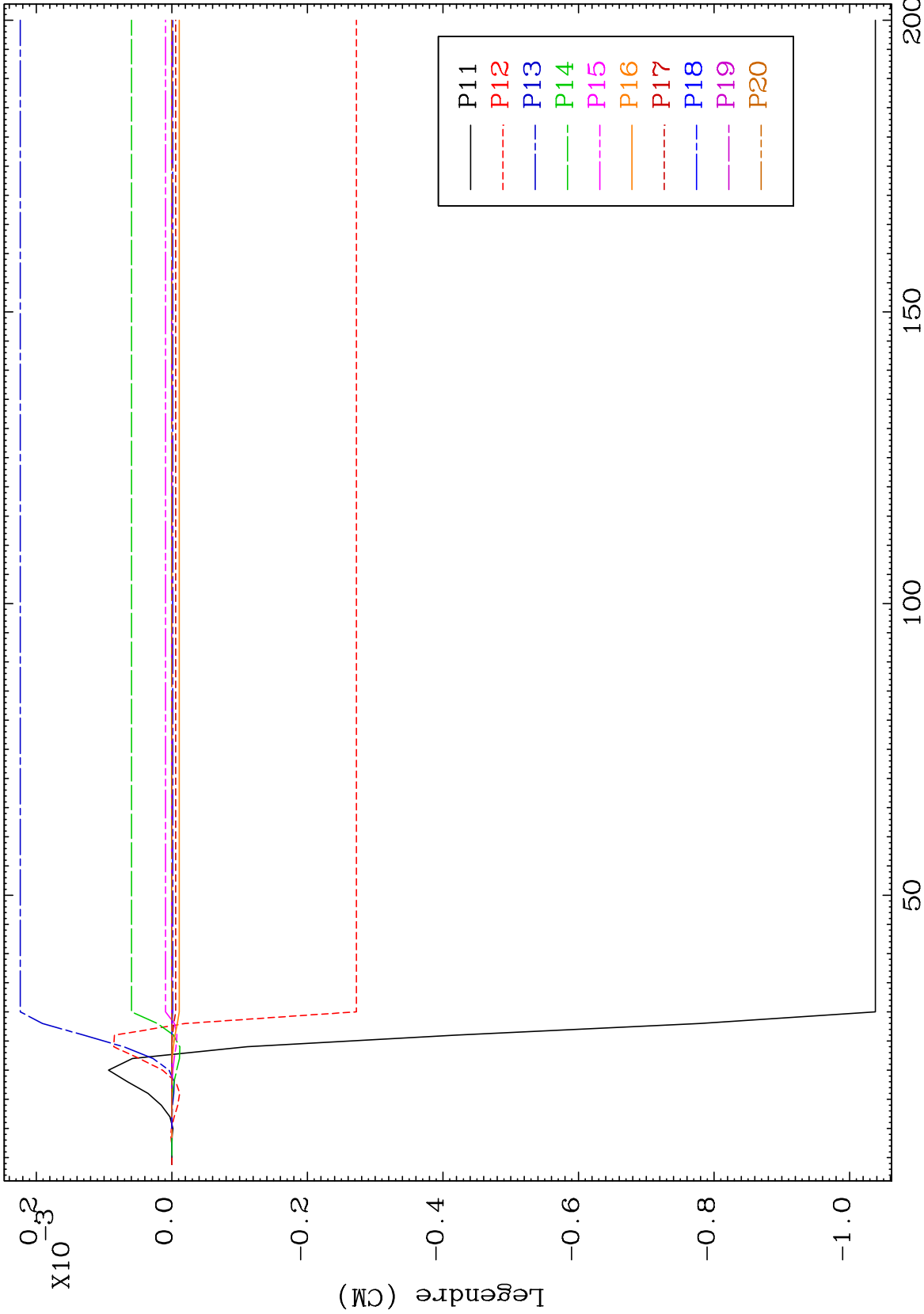
Incident Energy (MeV)

41-Nb-88

MAT 4110

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

41-Nb-88



26

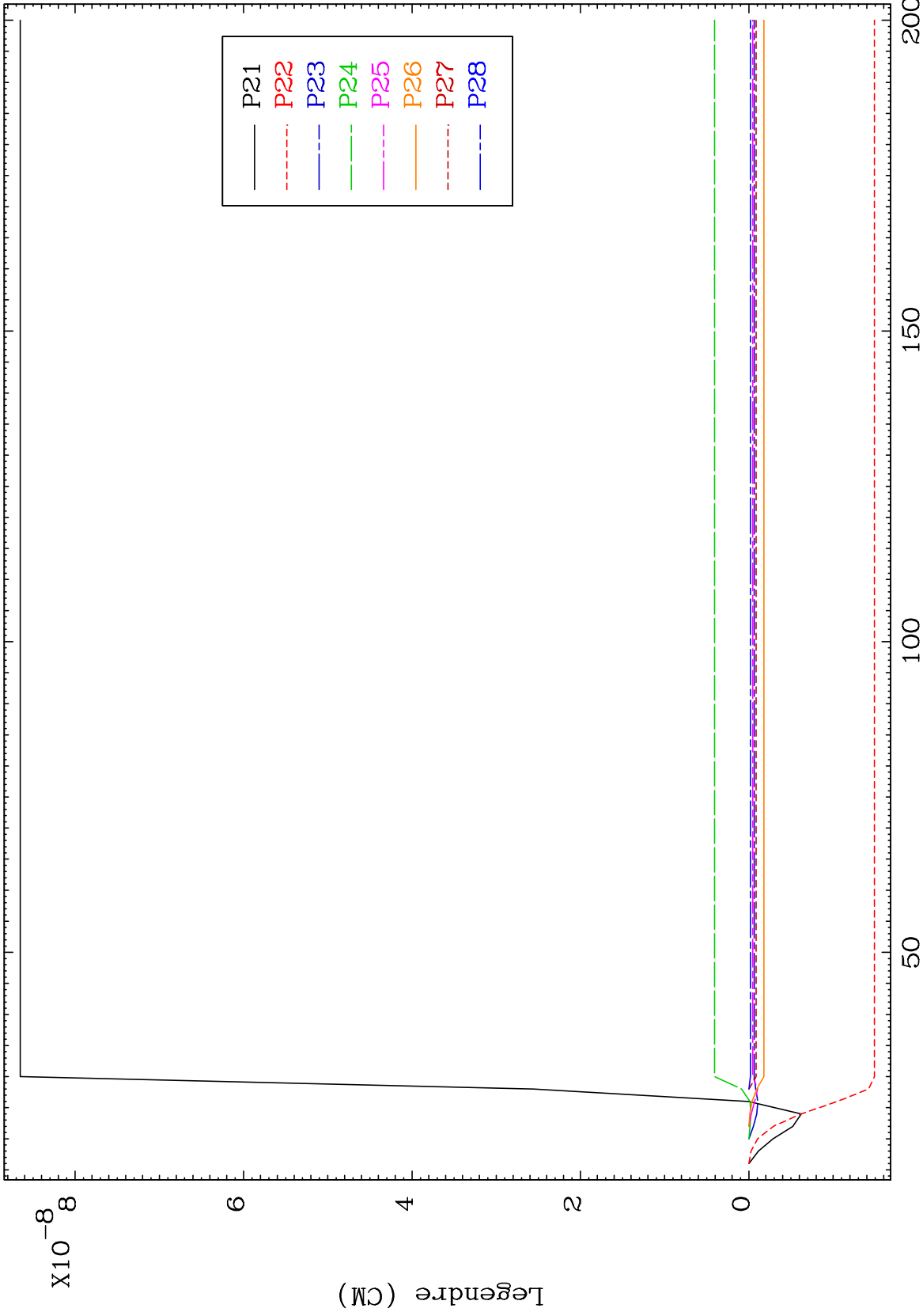
Incident Energy (MeV)

41-Nb-88

MAT 4110

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

41-Nb-88



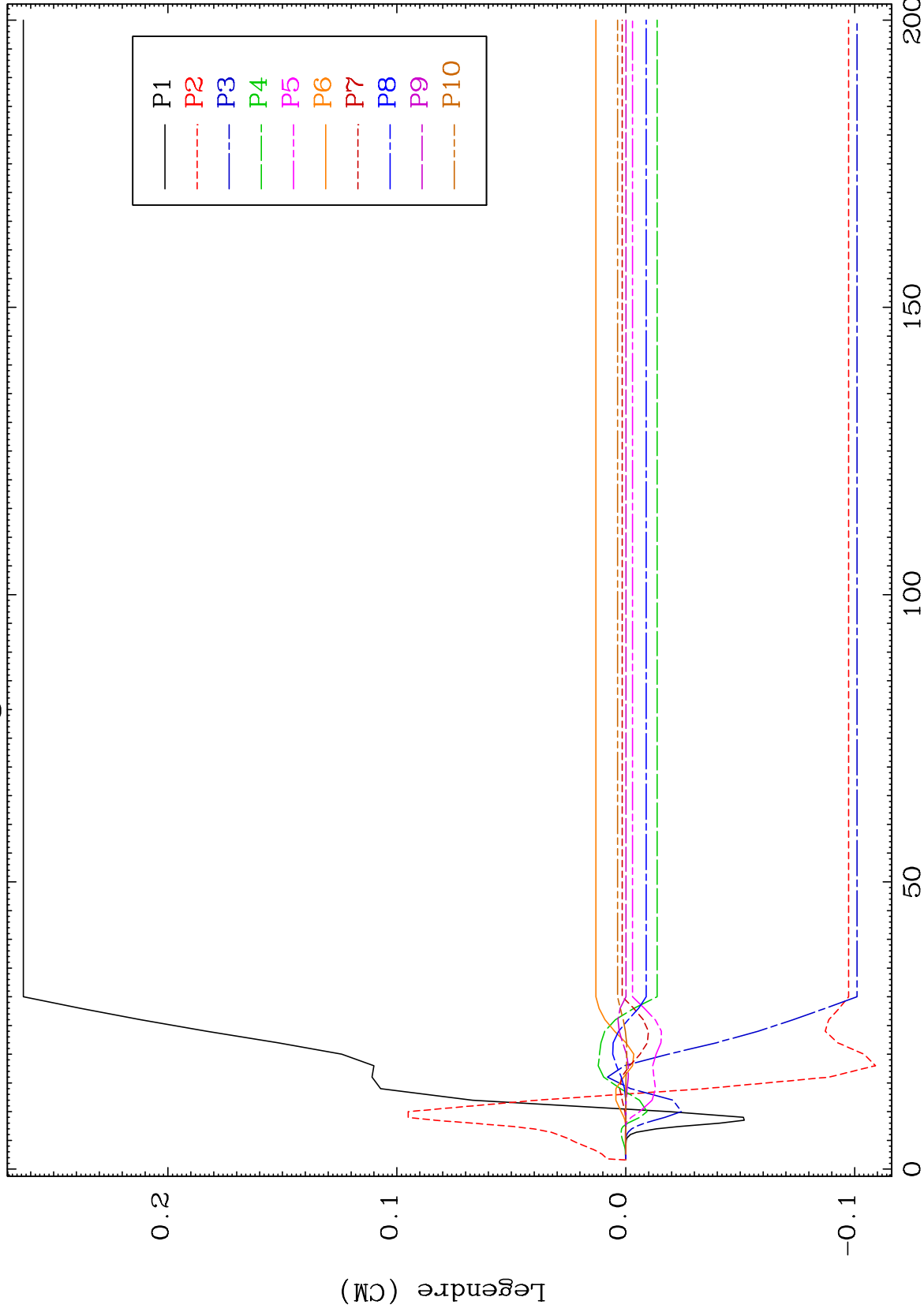
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41-Nb-88

MAT 4110

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

41-Nb-88



28

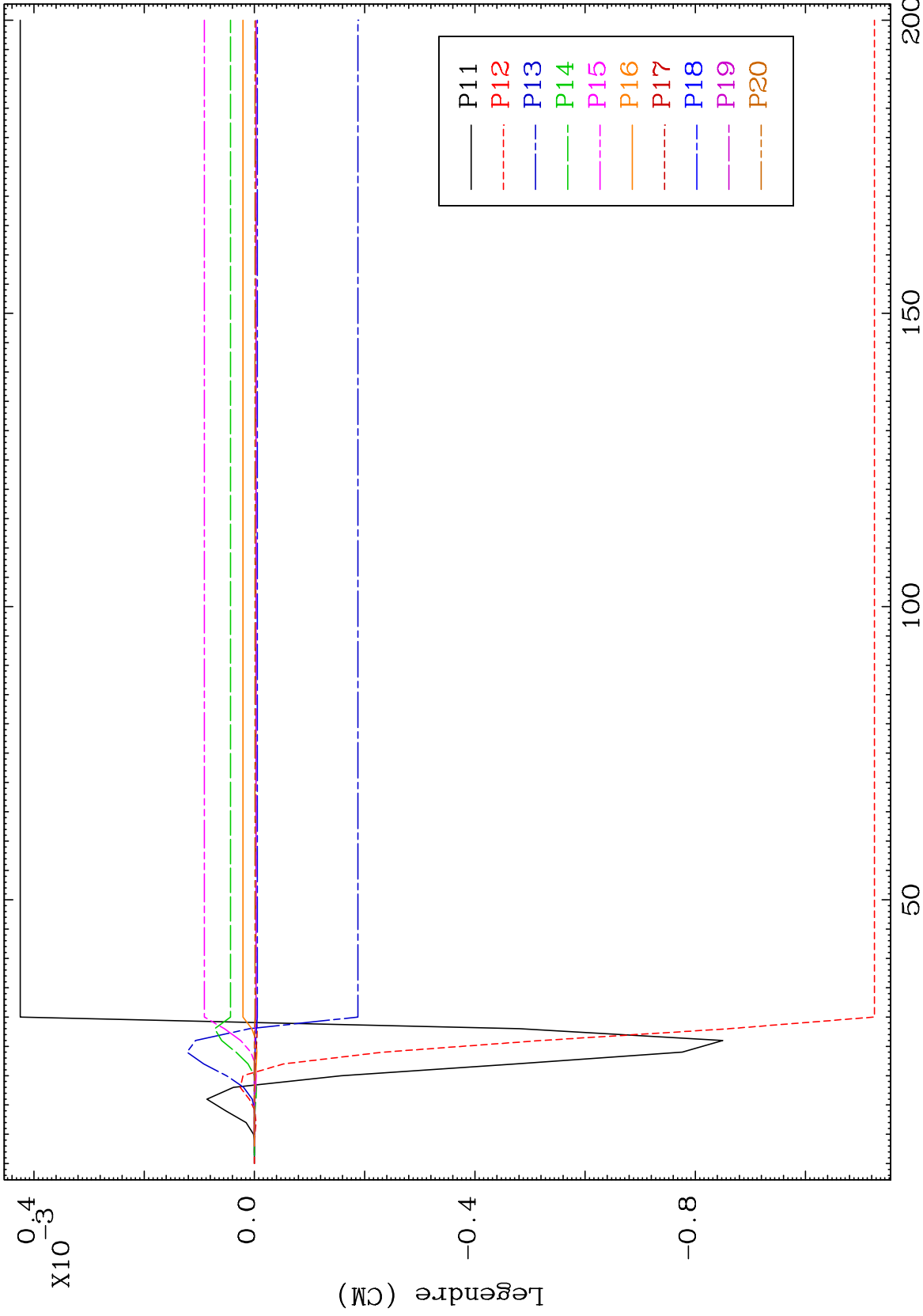
Incident Energy (MeV)

41-Nb-88

MAT 4110

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

41-Nb-88



29

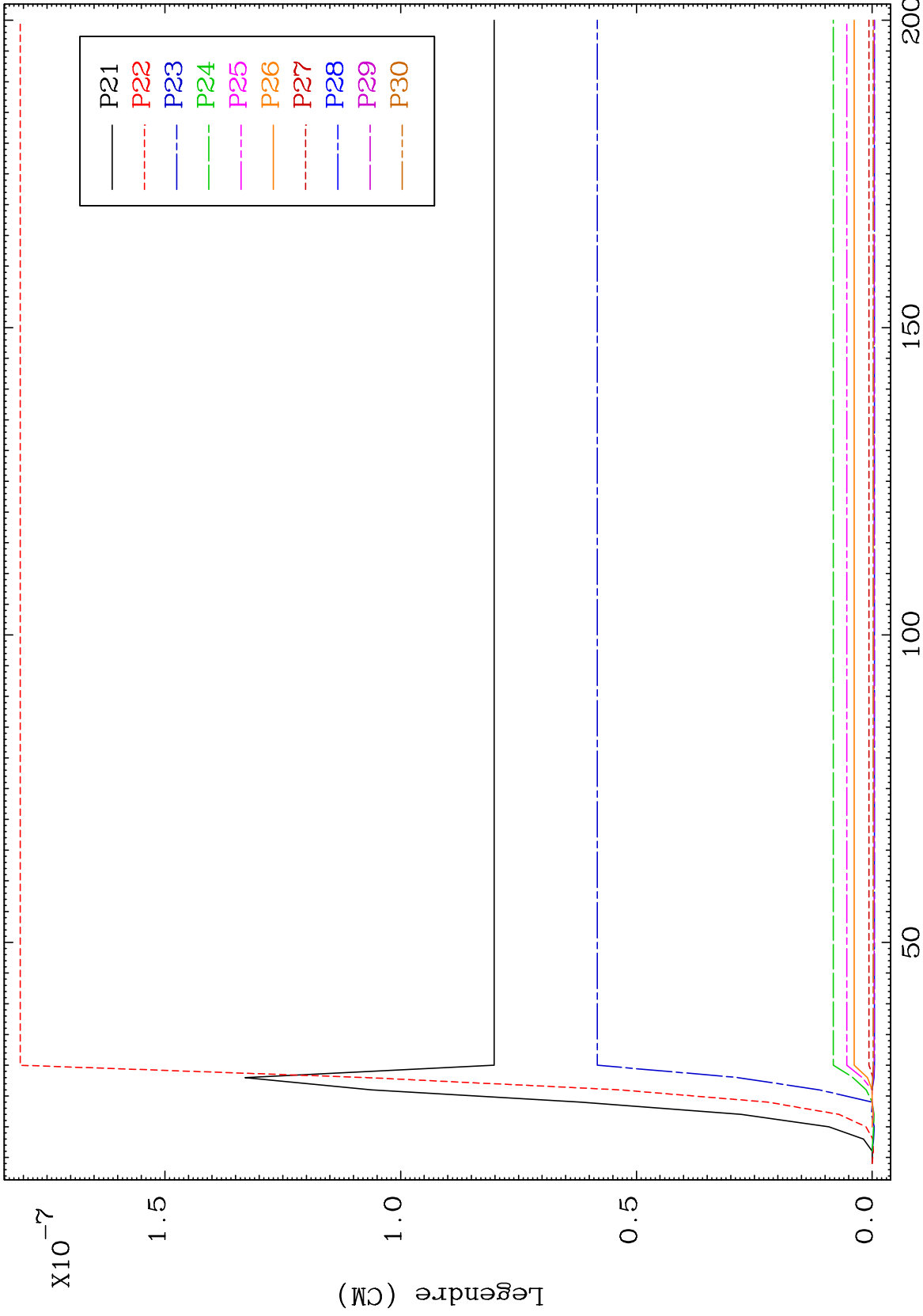
Incident Energy (MeV)

41-Nb-88

41-Nb-88

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

MAT 4110

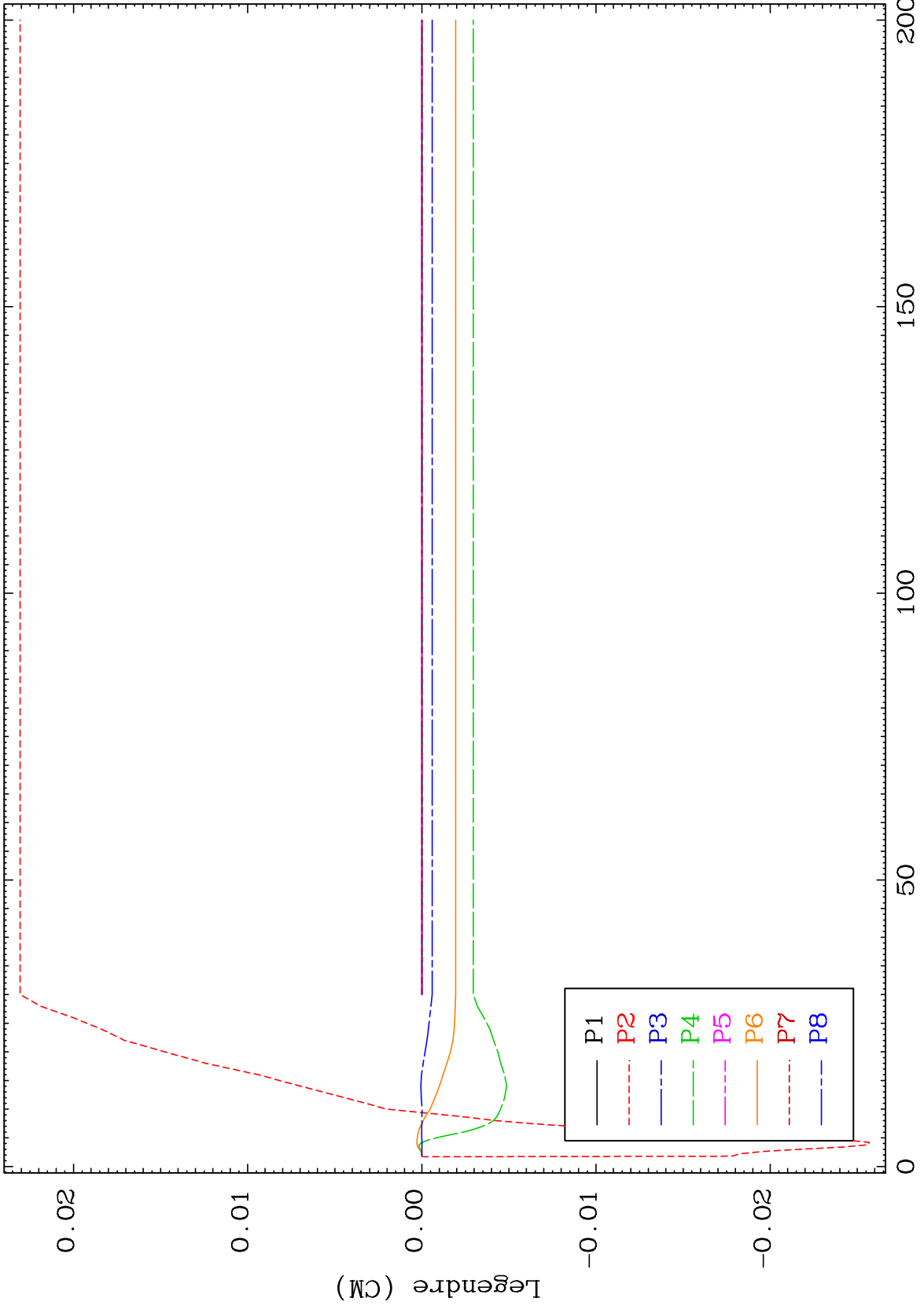


41-Nb-88

Incident Energy (MeV)

30

MAT 4110 MT= 55 (n,n') Level Legendre Coefficients 41-Nb-88



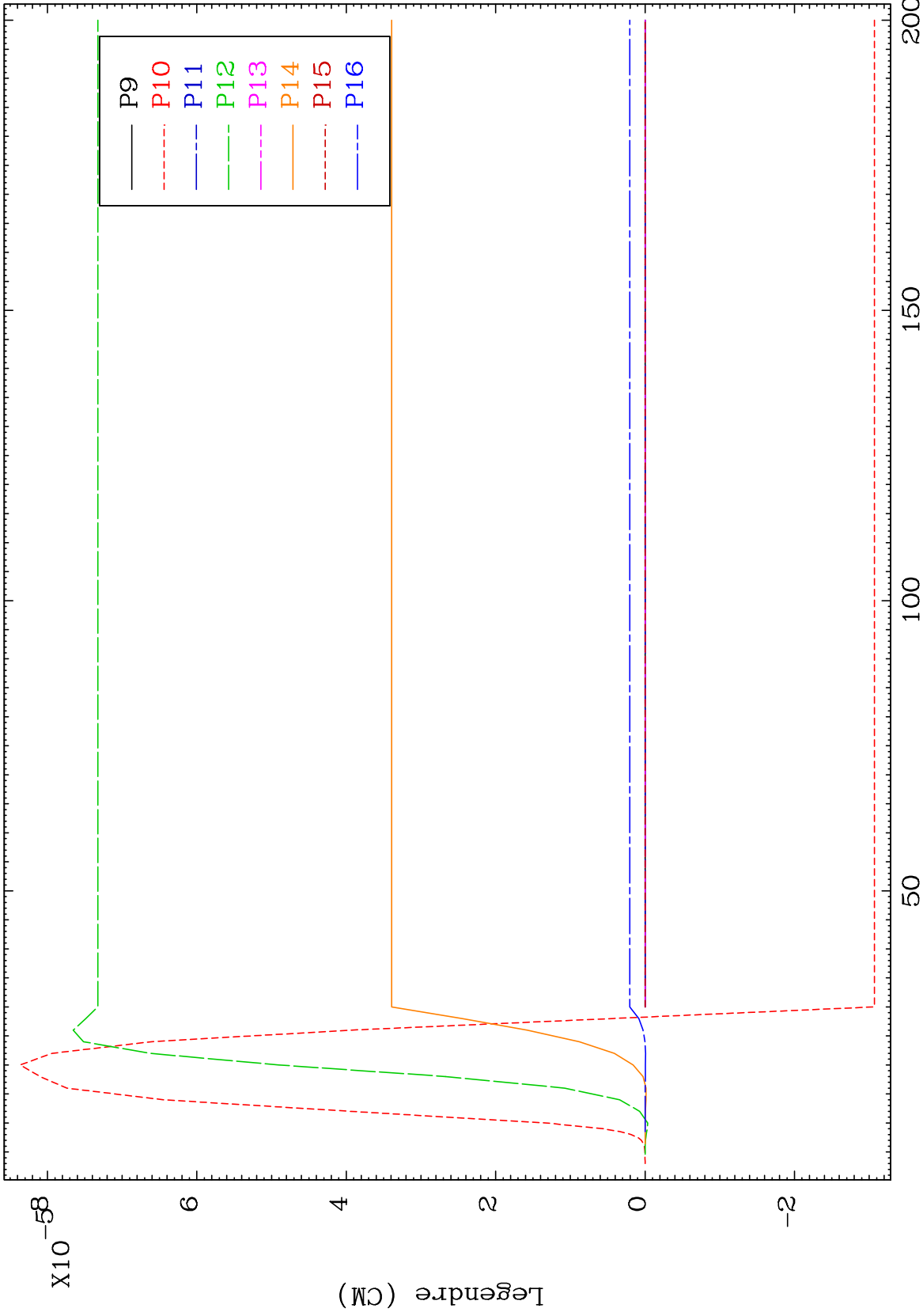
31 41-Nb-88



MAT 4110

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

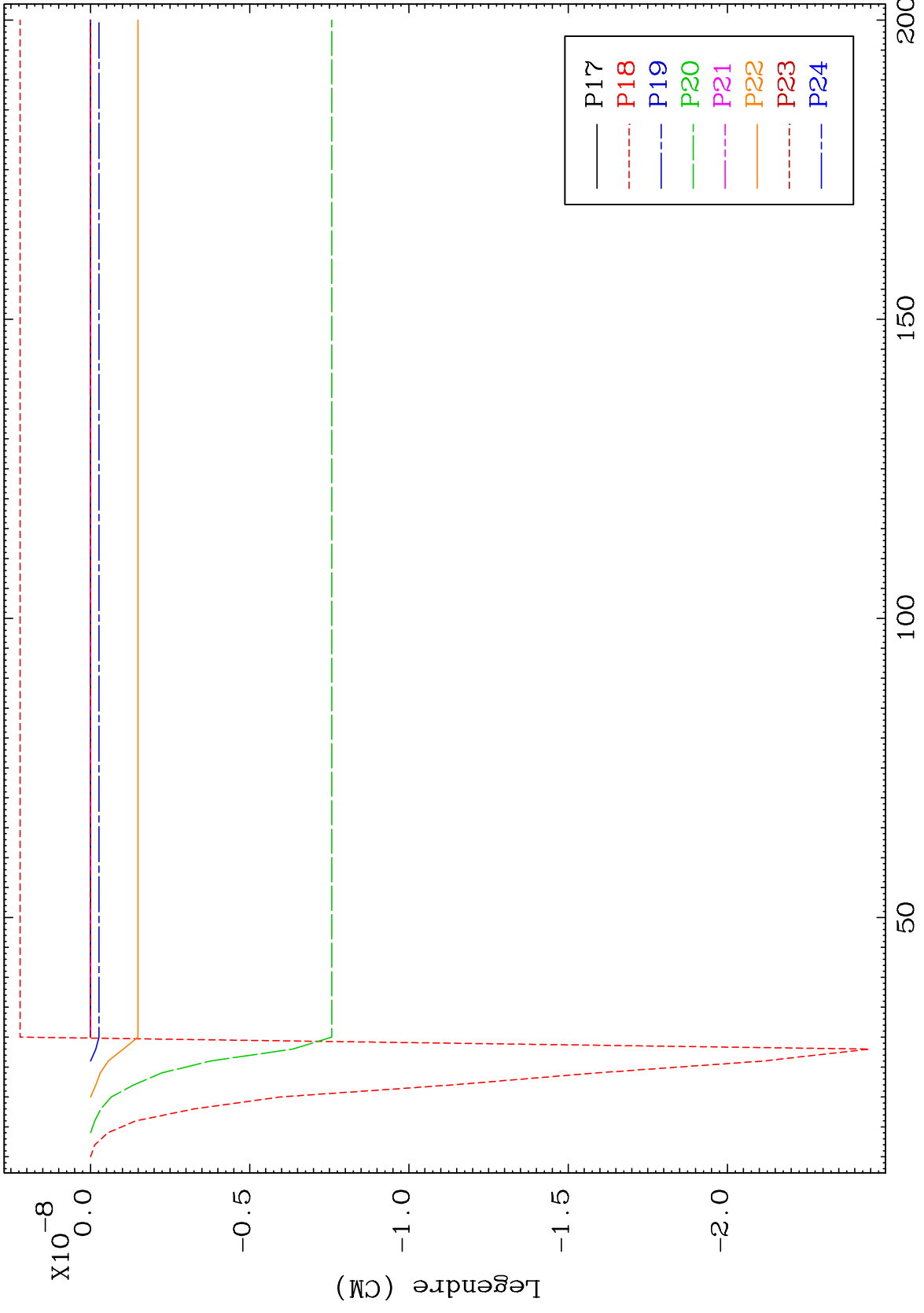
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32

Incident Energy (MeV)

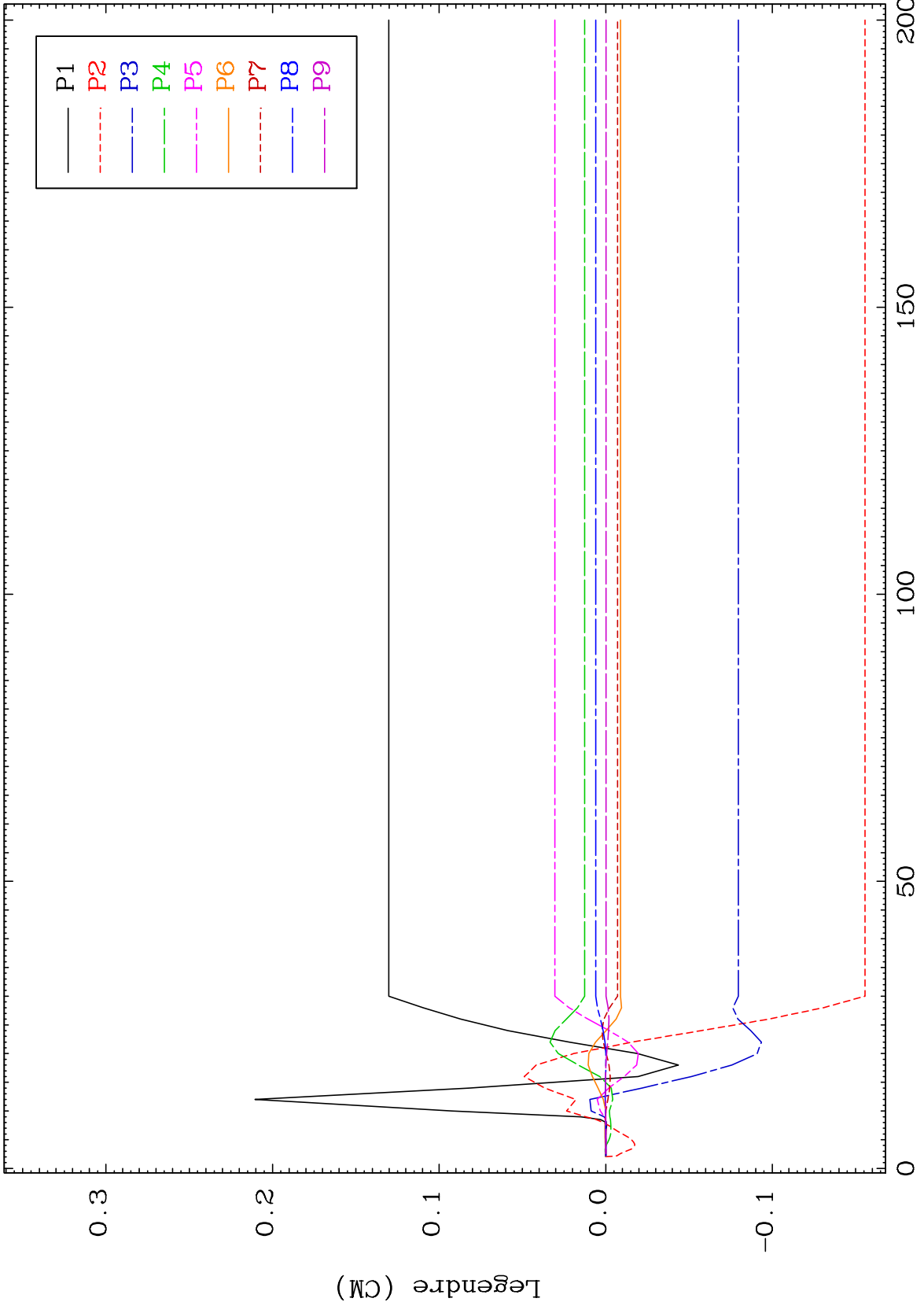
41-Nb-88



MAT 4110

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

41-Nb-88



34

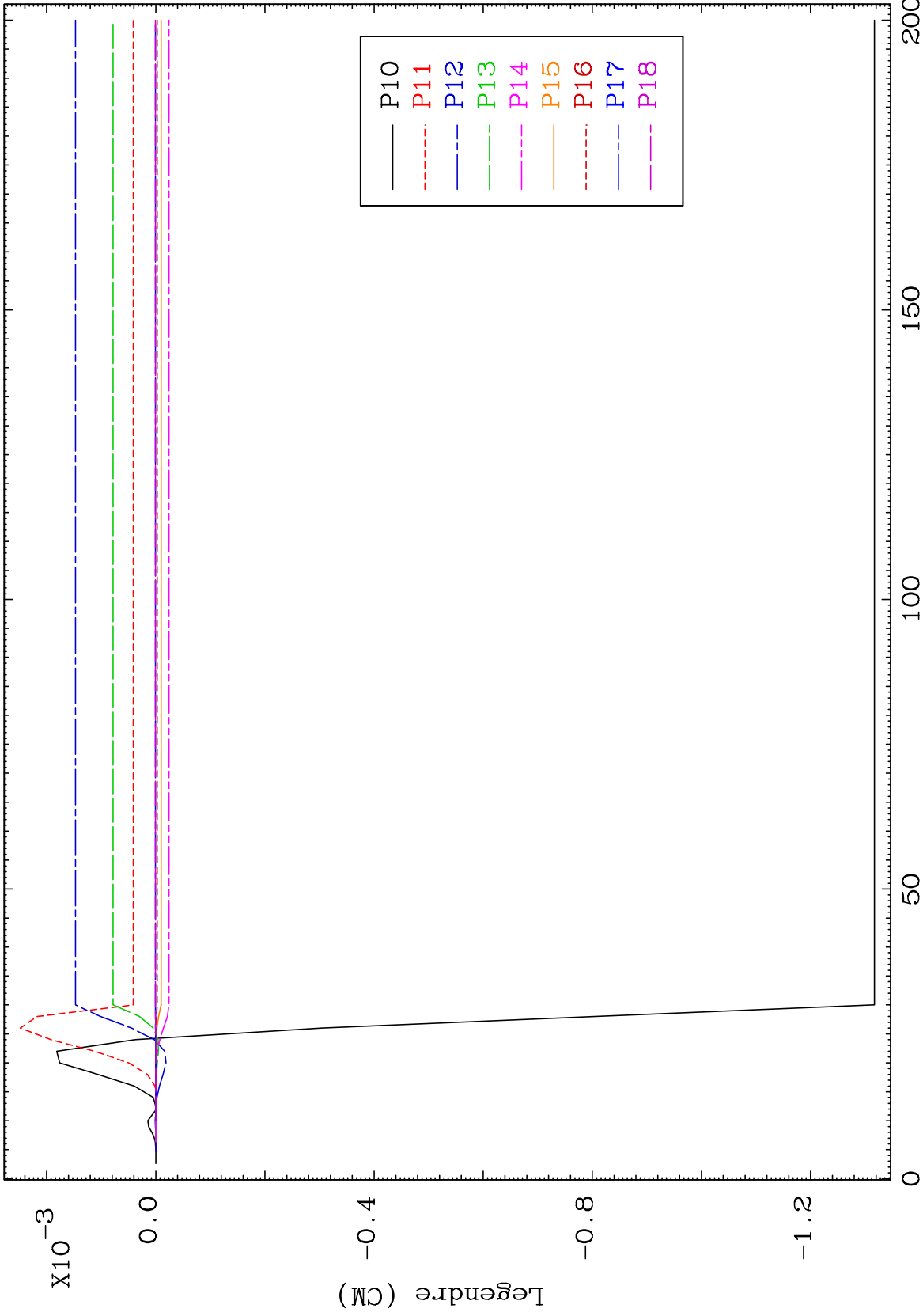
Incident Energy (MeV)

41-Nb-88

MAT 4110

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

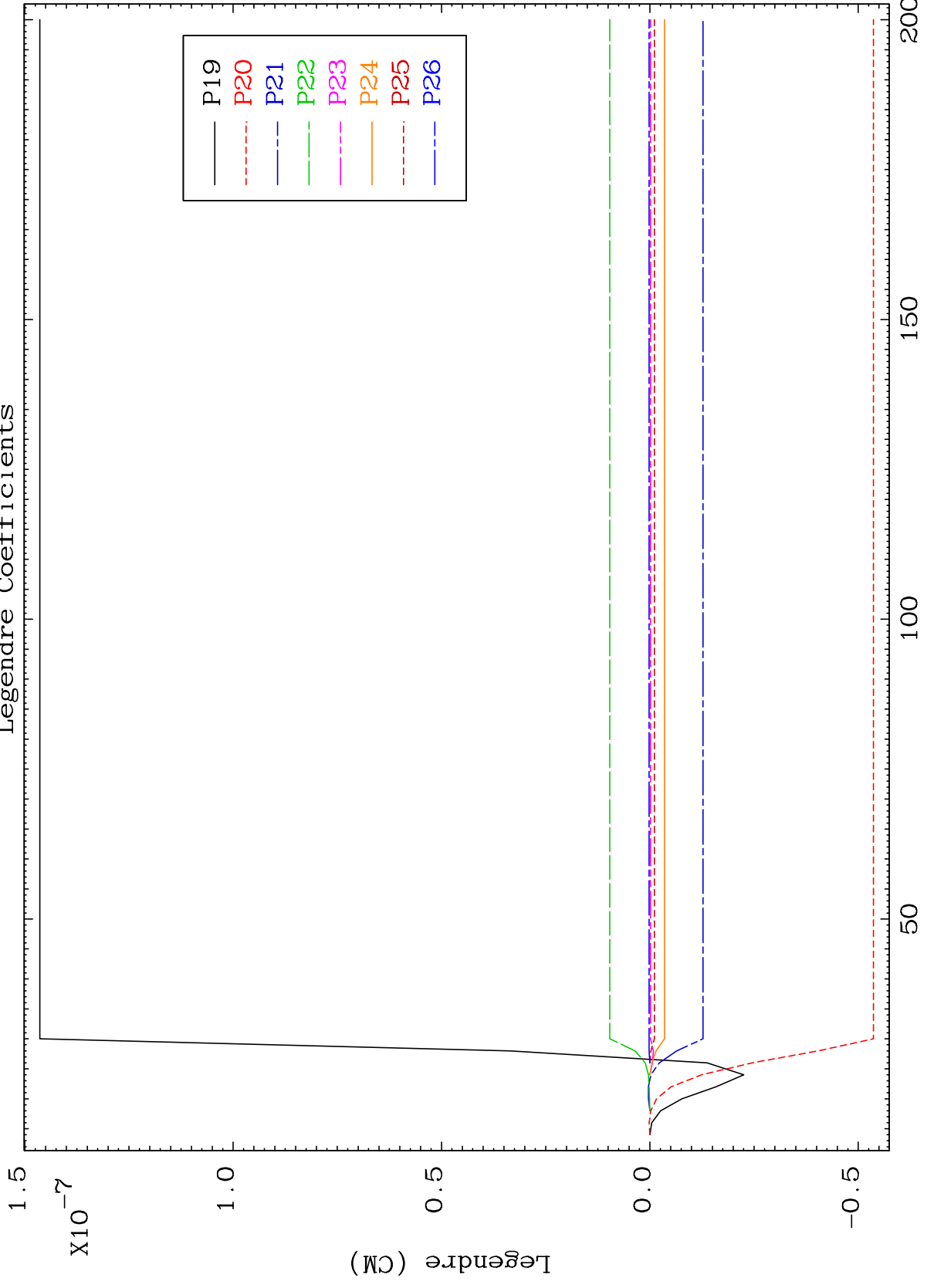
41-Nb-88



35

41-Nb-88

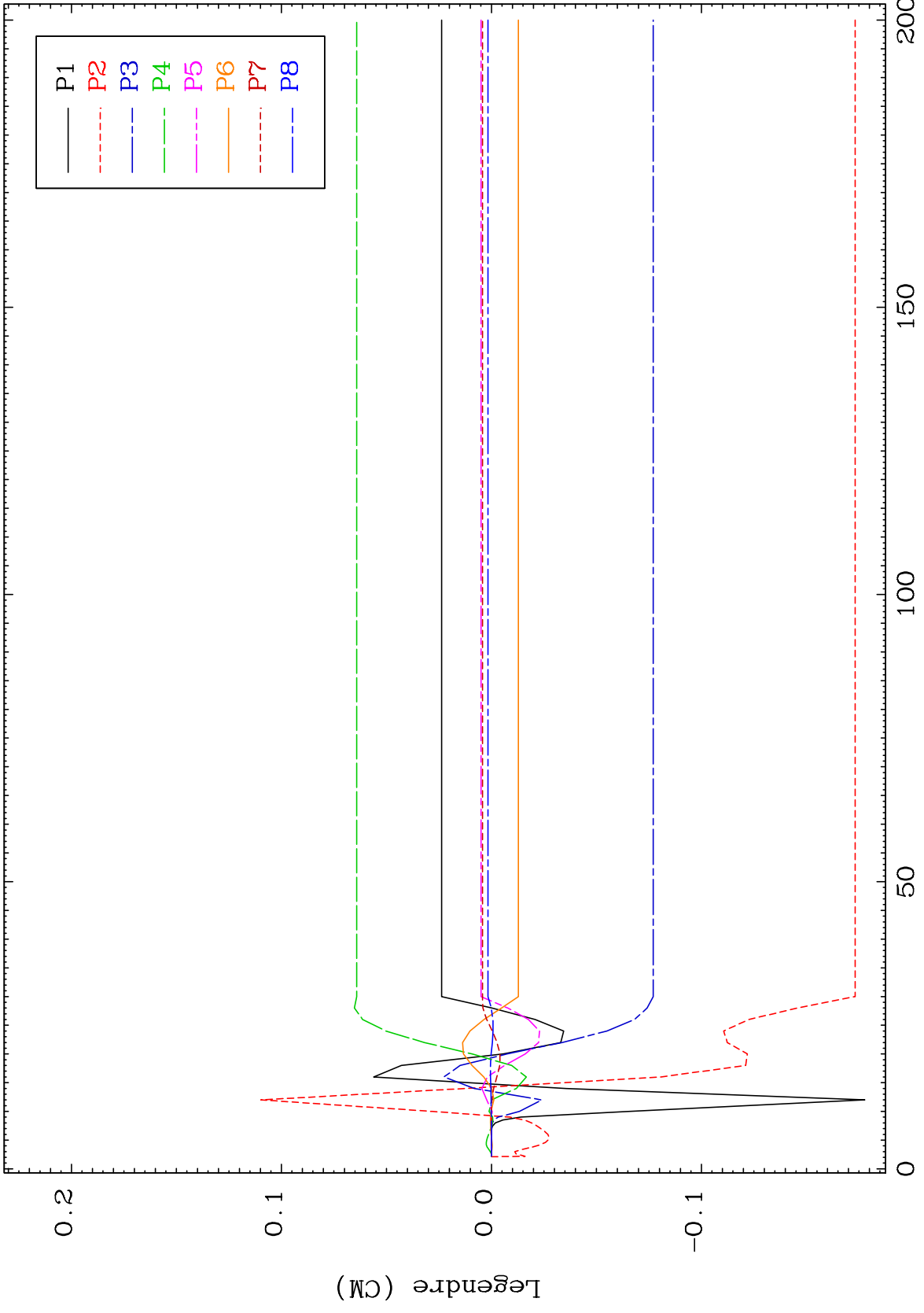
MAT 4110 MT= 56 (n,n') Level Legendre Coefficients 41-Nb-88



MAT 4110

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

41-Nb-88



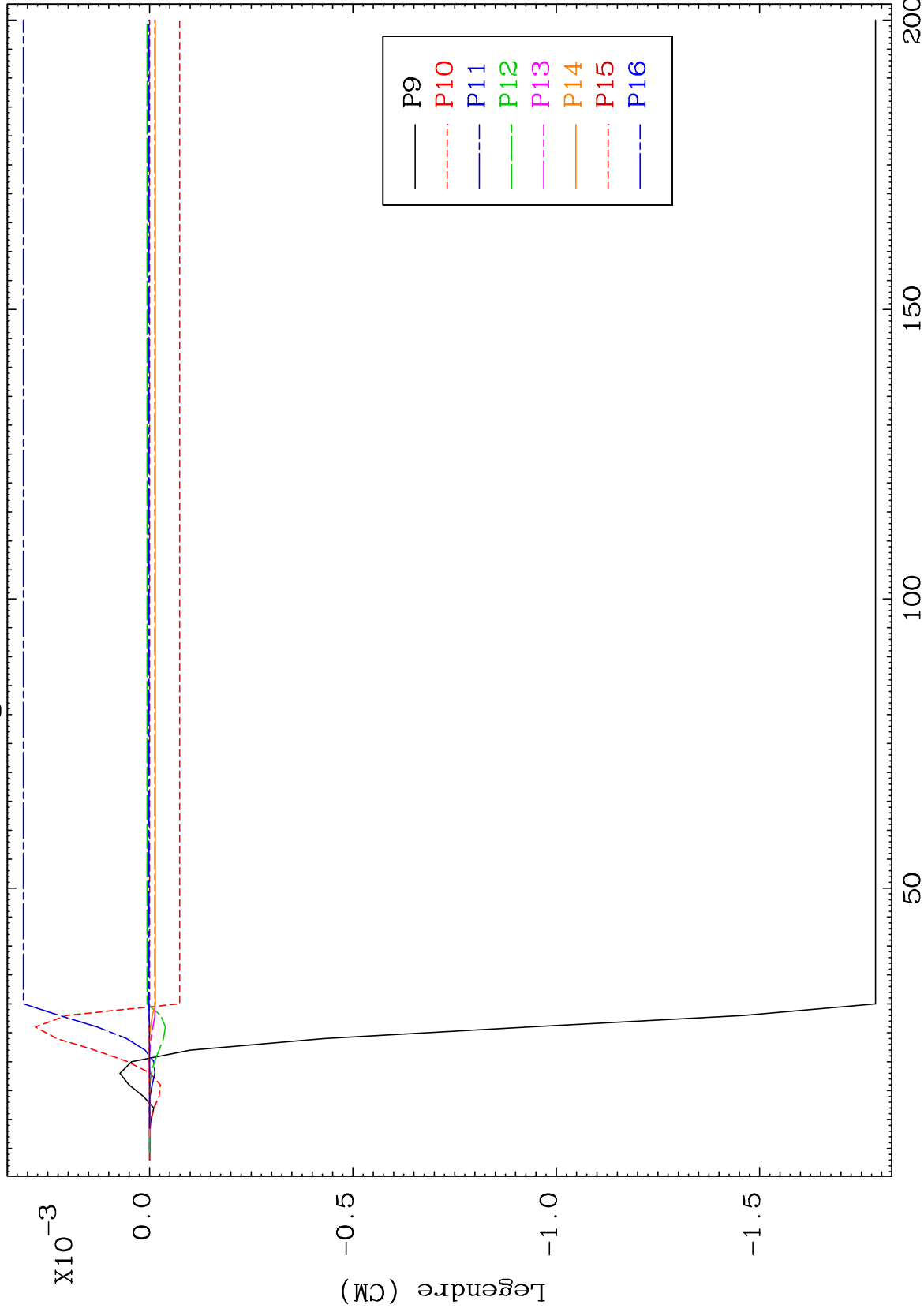
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41-Nb-88

MAT 4110

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

41-Nb-88



38

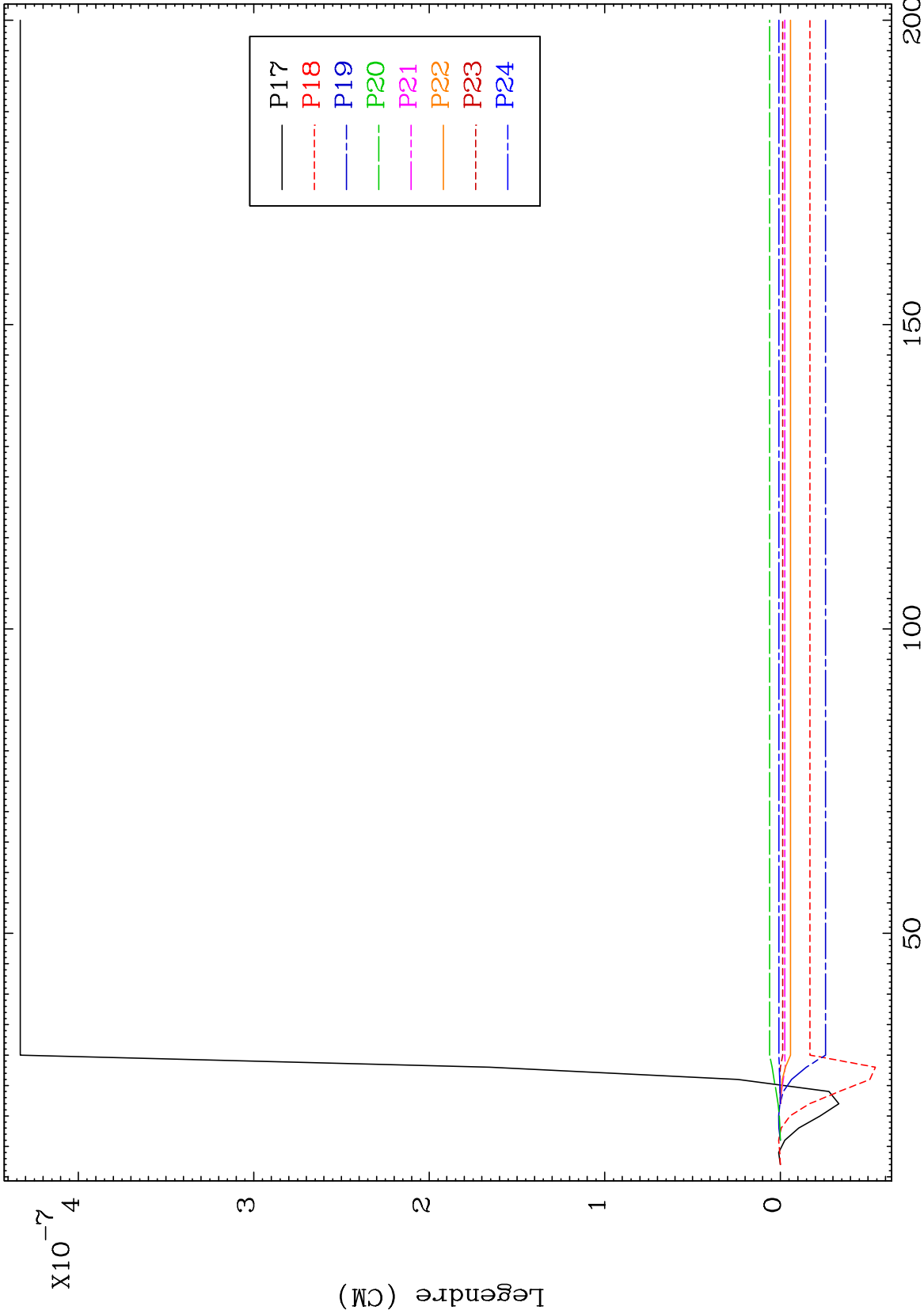
Incident Energy (MeV)

41-Nb-88

MAT 4110

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

41-Nb-88



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Incident Energy (MeV)

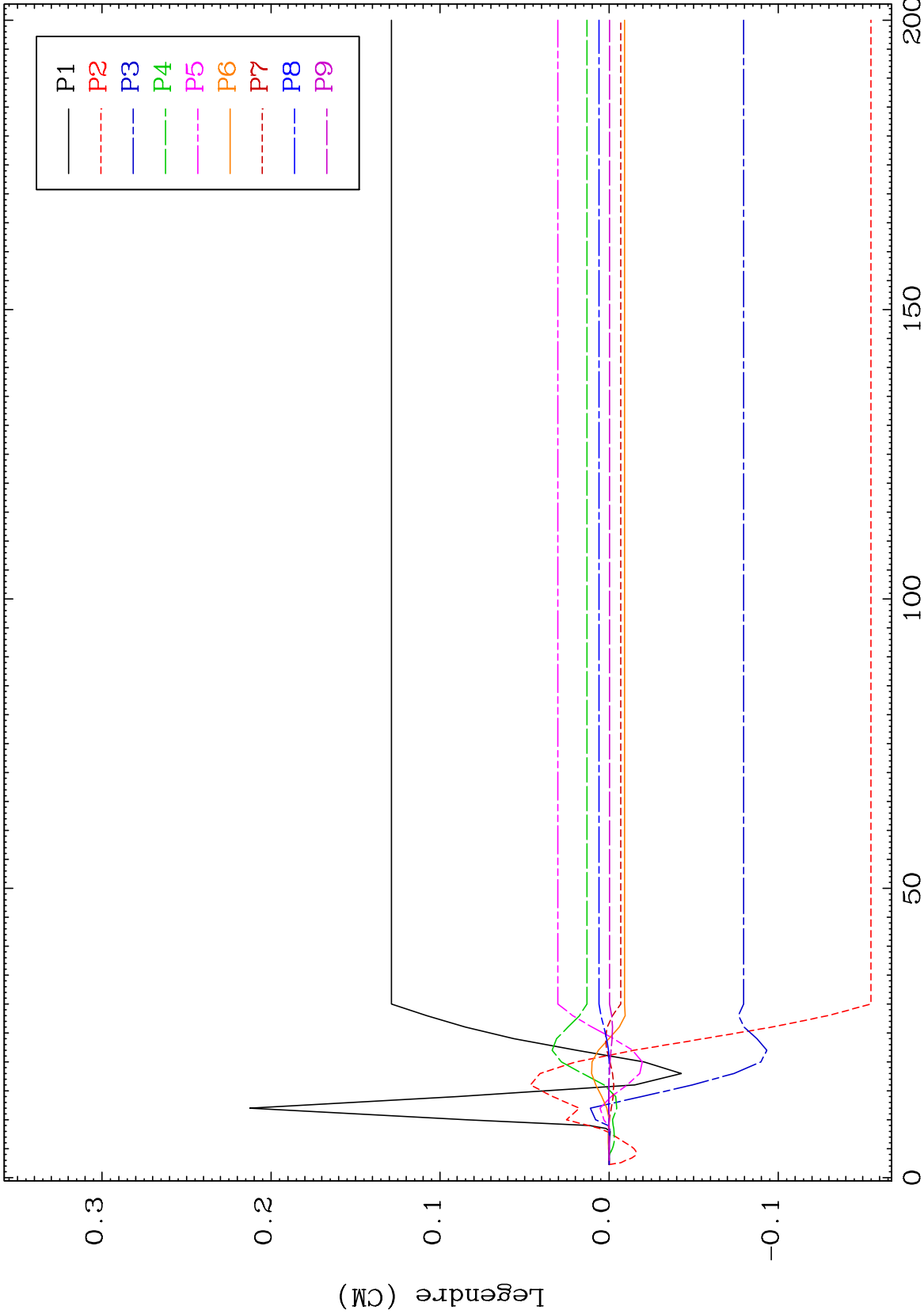
41-Nb-88



MAT 4110

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

41-Nb-88



40

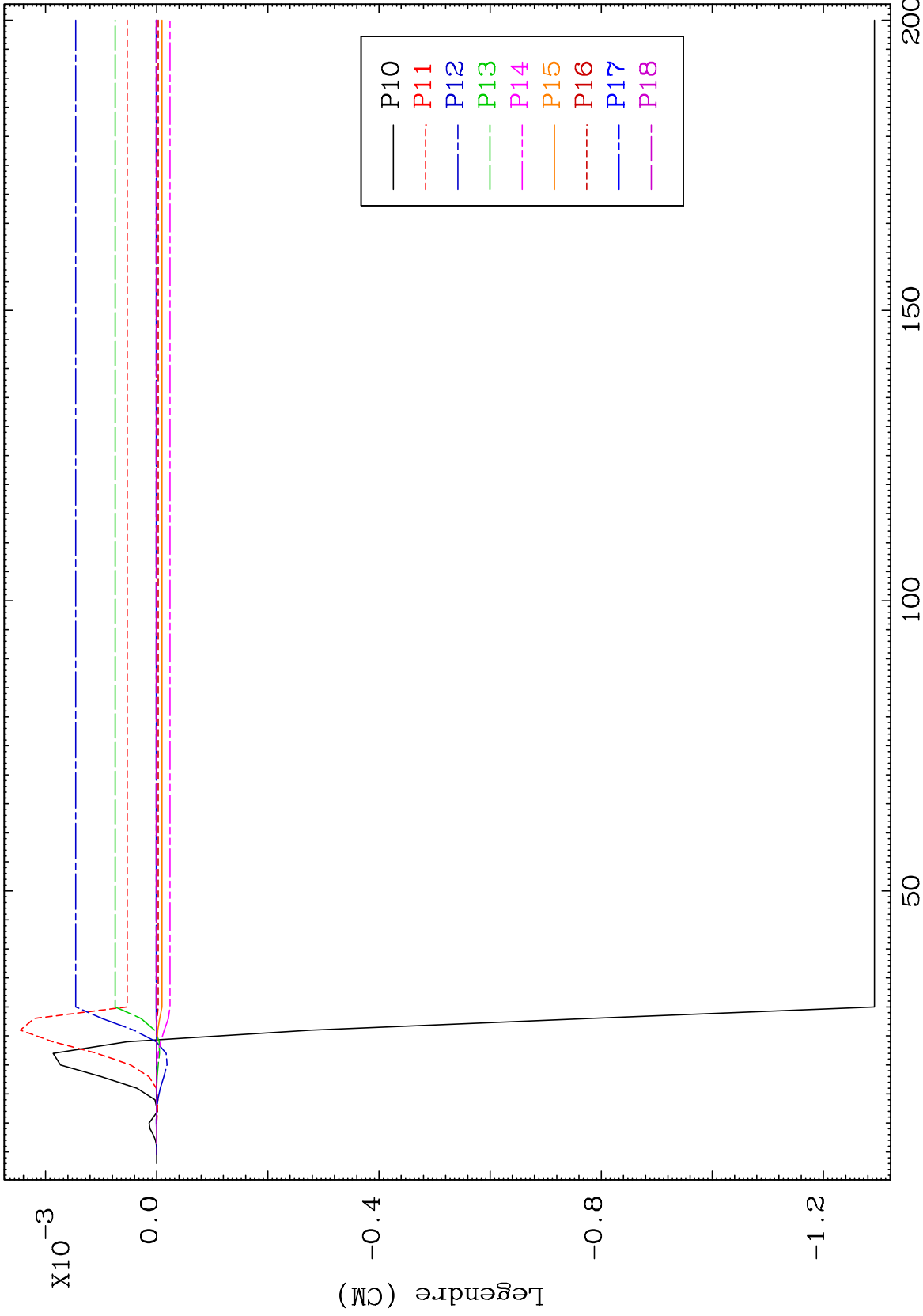
Incident Energy (MeV)

41-Nb-88

MAT 4110

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

41-Nb-88



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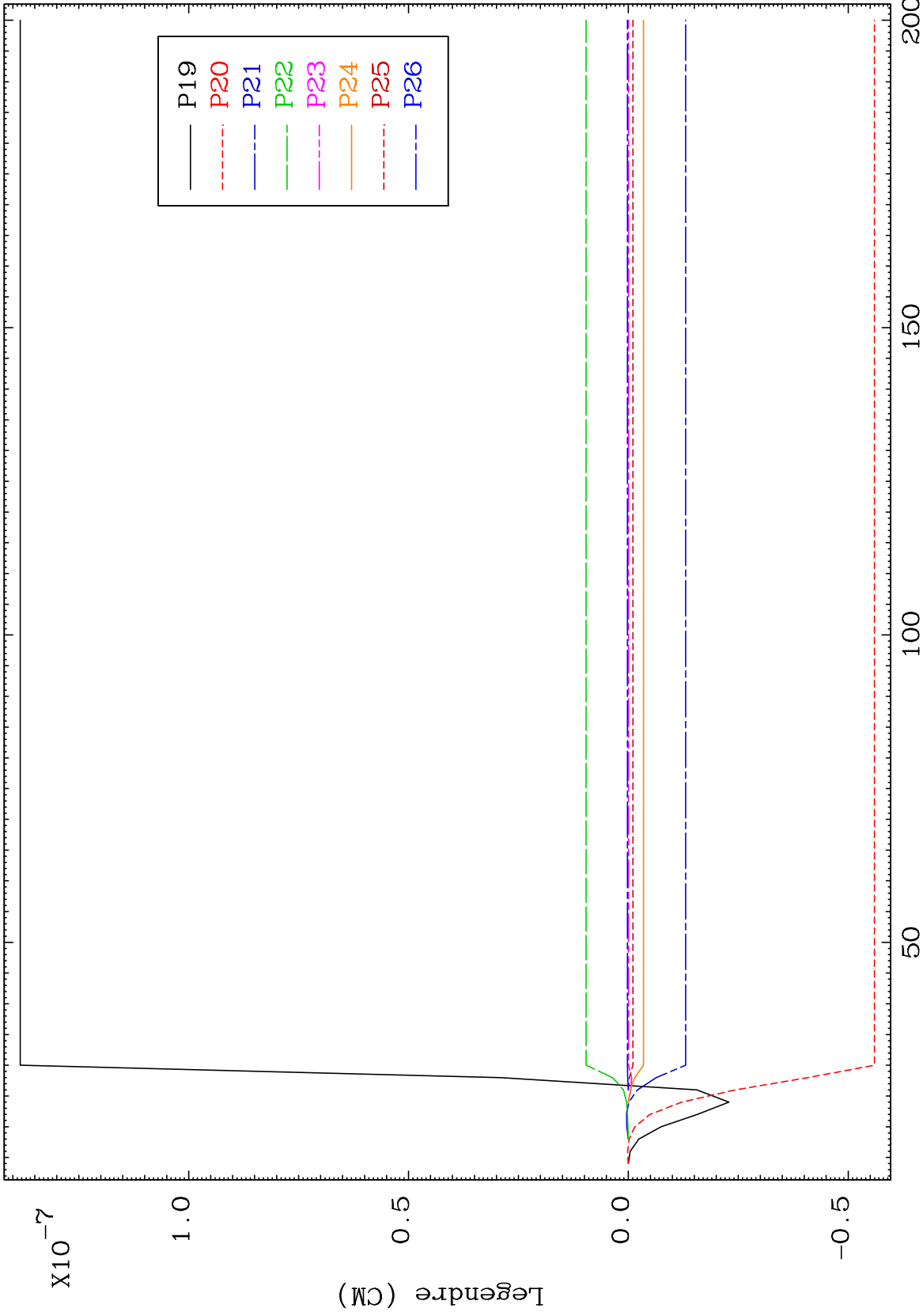
Incident Energy (MeV)

41-Nb-88

MAT 4110

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

41-Nb-88



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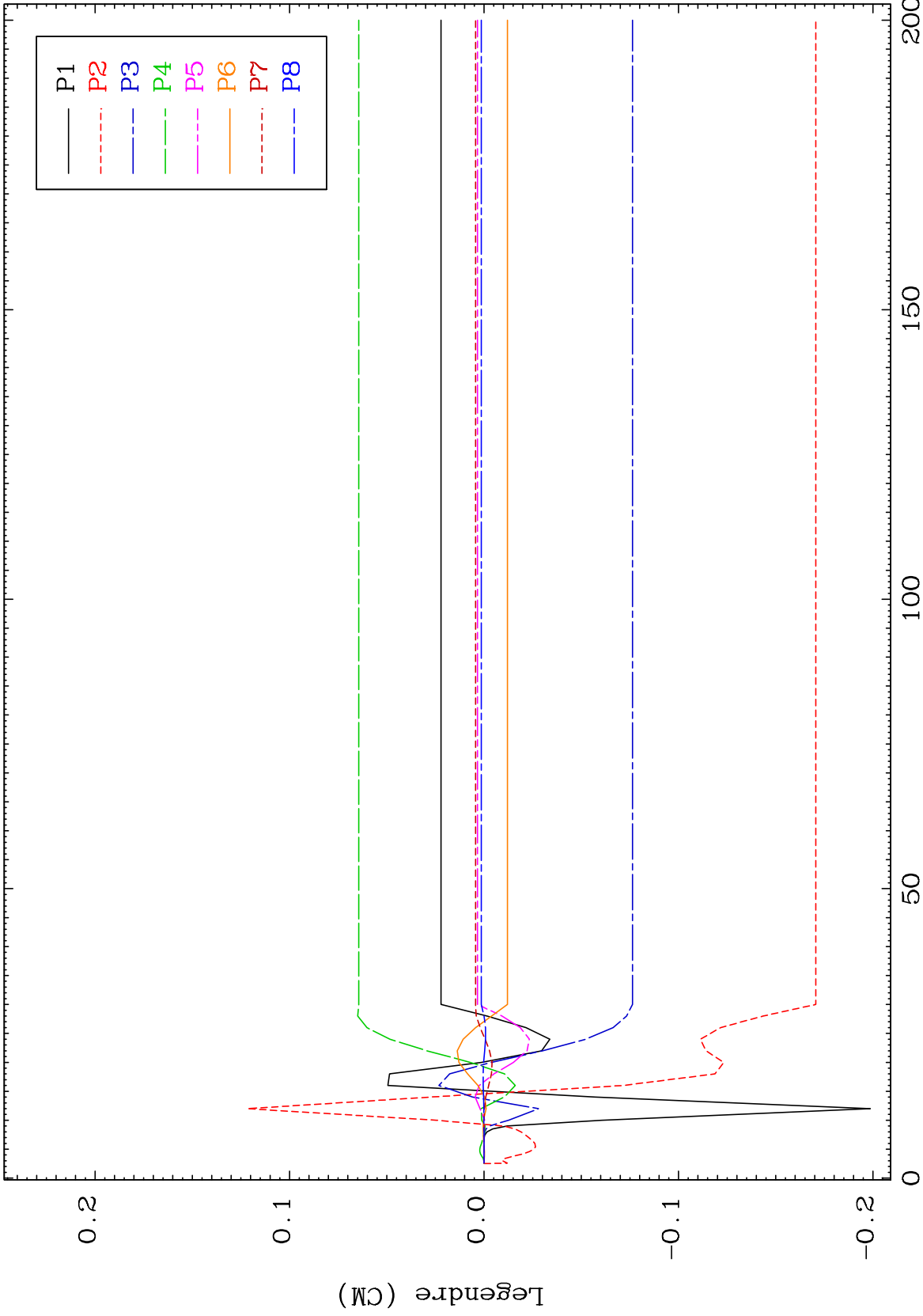
Incident Energy (MeV)

41-Nb-88

MAT 4110

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

41-Nb-88



43

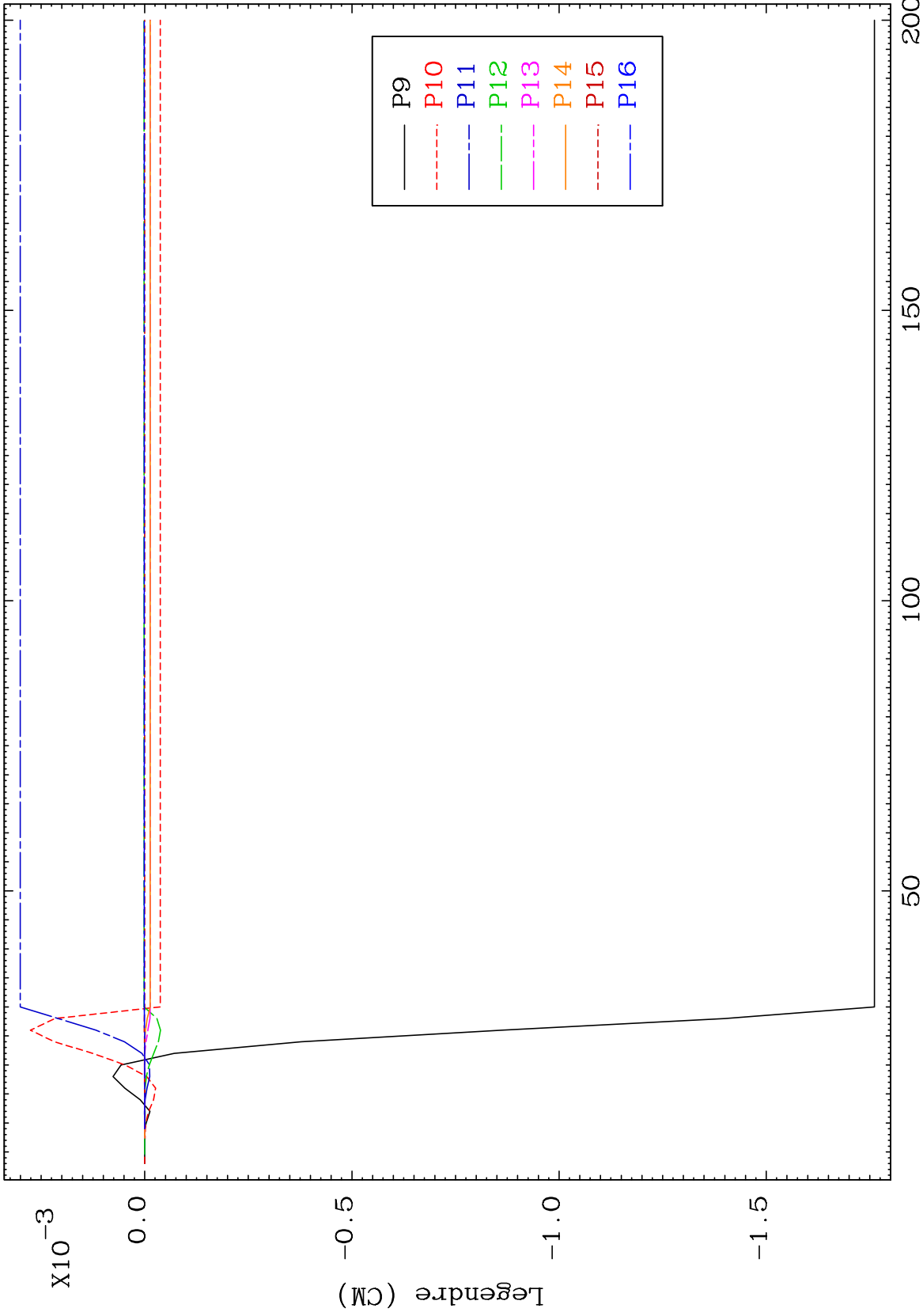
Incident Energy (MeV)

41-Nb-88

MAT 4110

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

41-Nb-88

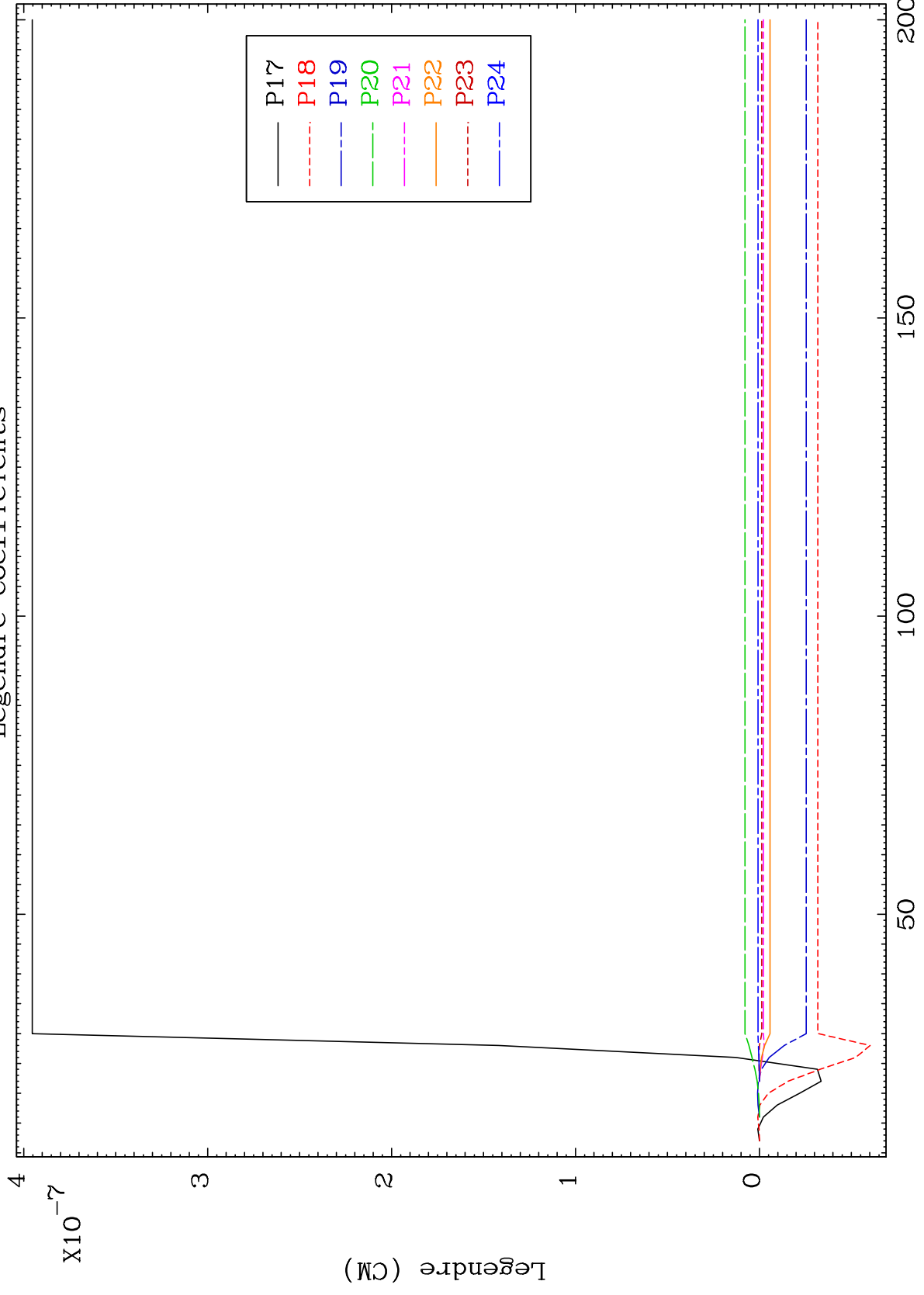


44

Incident Energy (MeV)

41-Nb-88

MAT 4110 MT= 59 (n,n') Level Legendre Coefficients 41-Nb-88

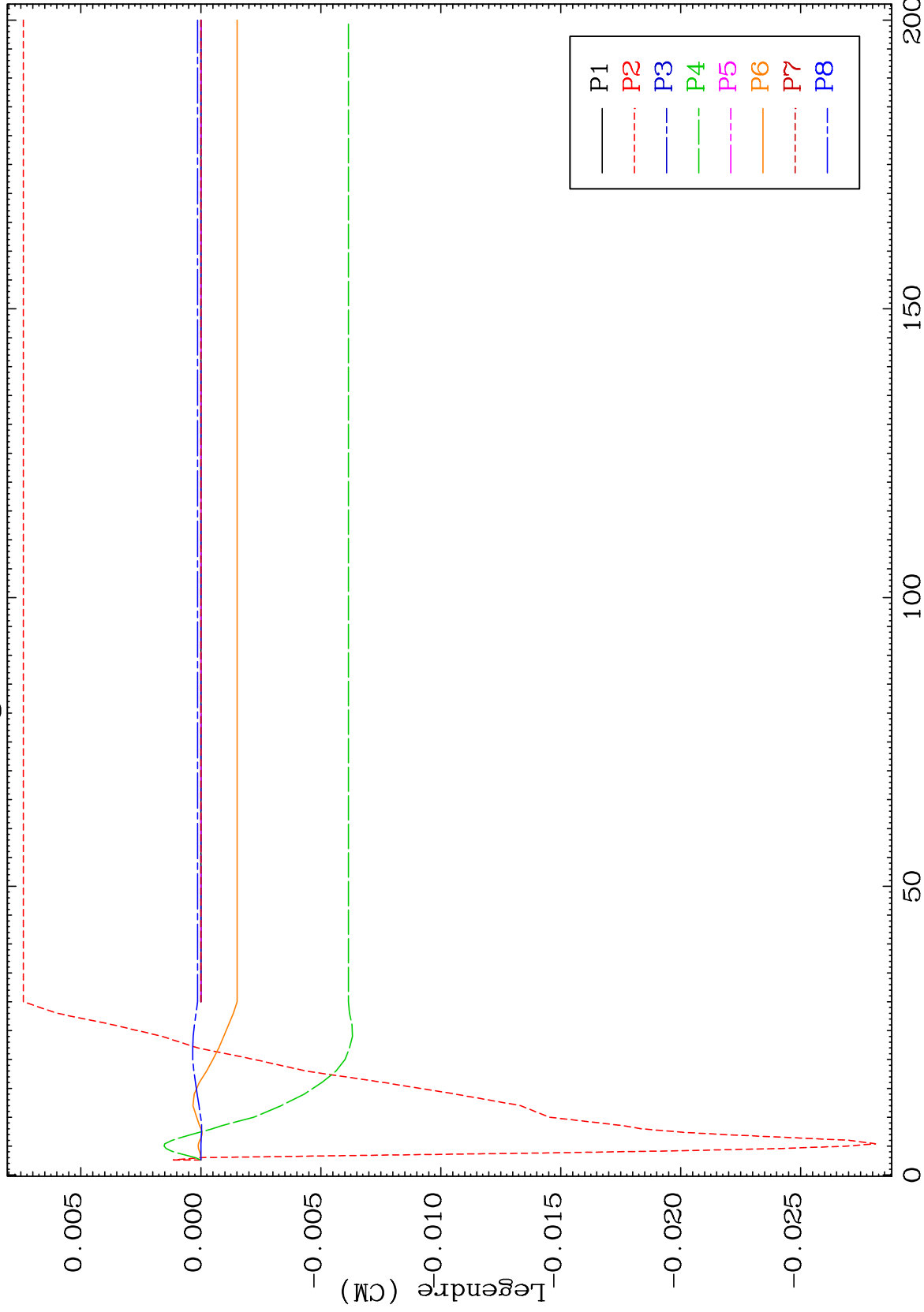


45 Incident Energy (MeV) 41-Nb-88

MAT 4110

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

41-Nb-88

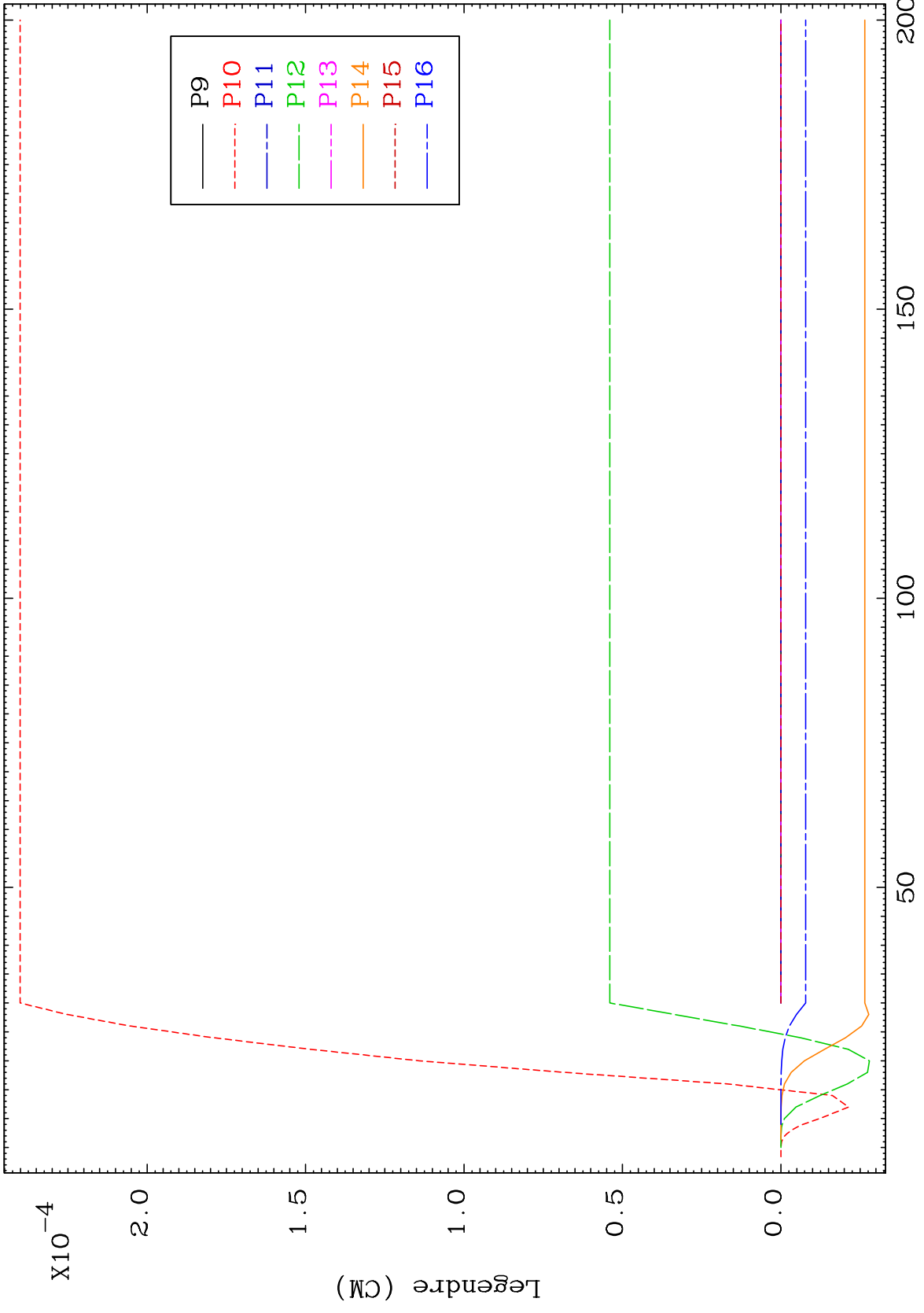


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Incident Energy (MeV)

41-Nb-88

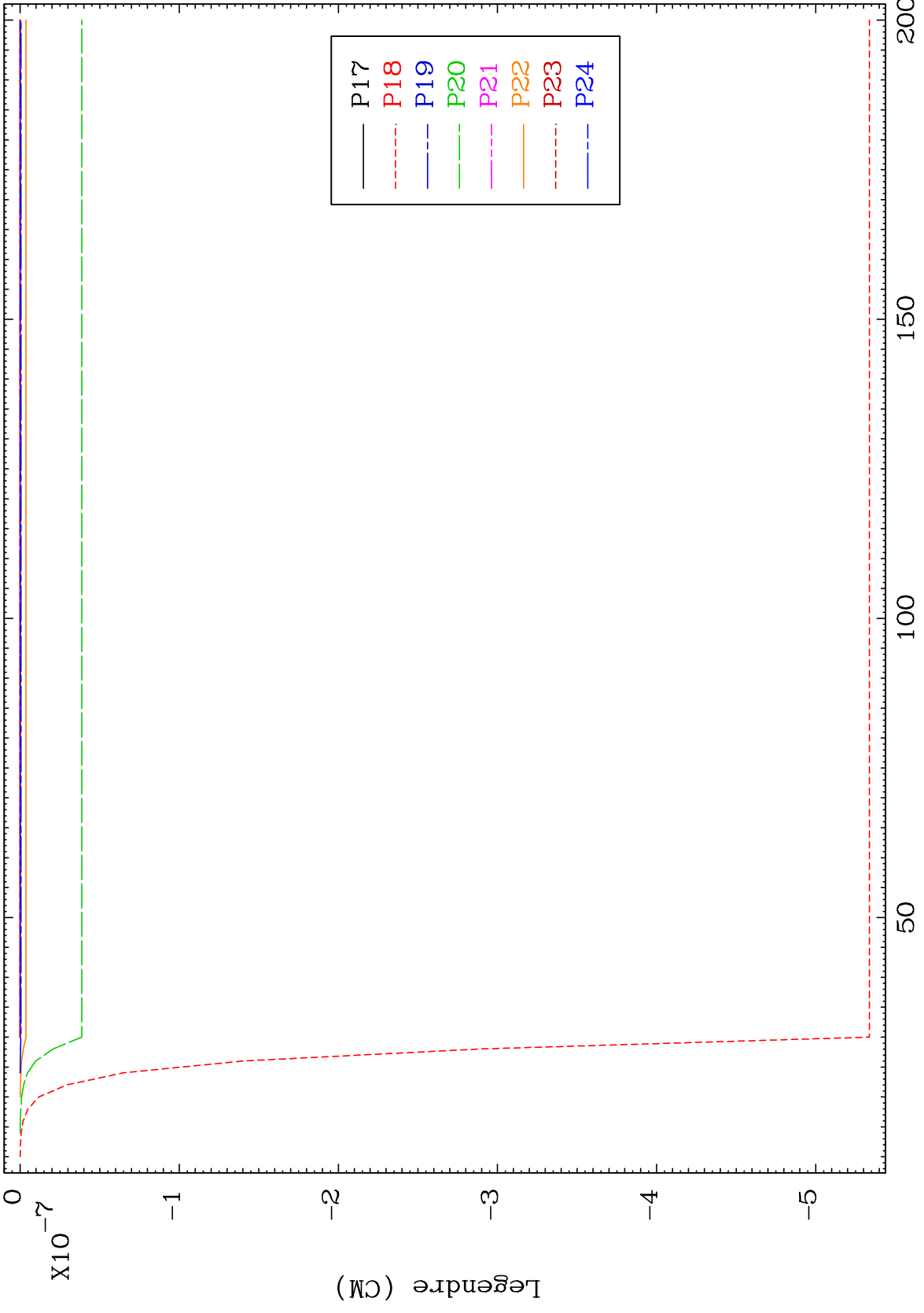
MAT 4110 MT= 60 (n,n') Level Legendre Coefficients 41-Nb-88



47 41-Nb-88



MAT 4110 MT= 60 (n,n') Level Legendre Coefficients 41-Nb-88

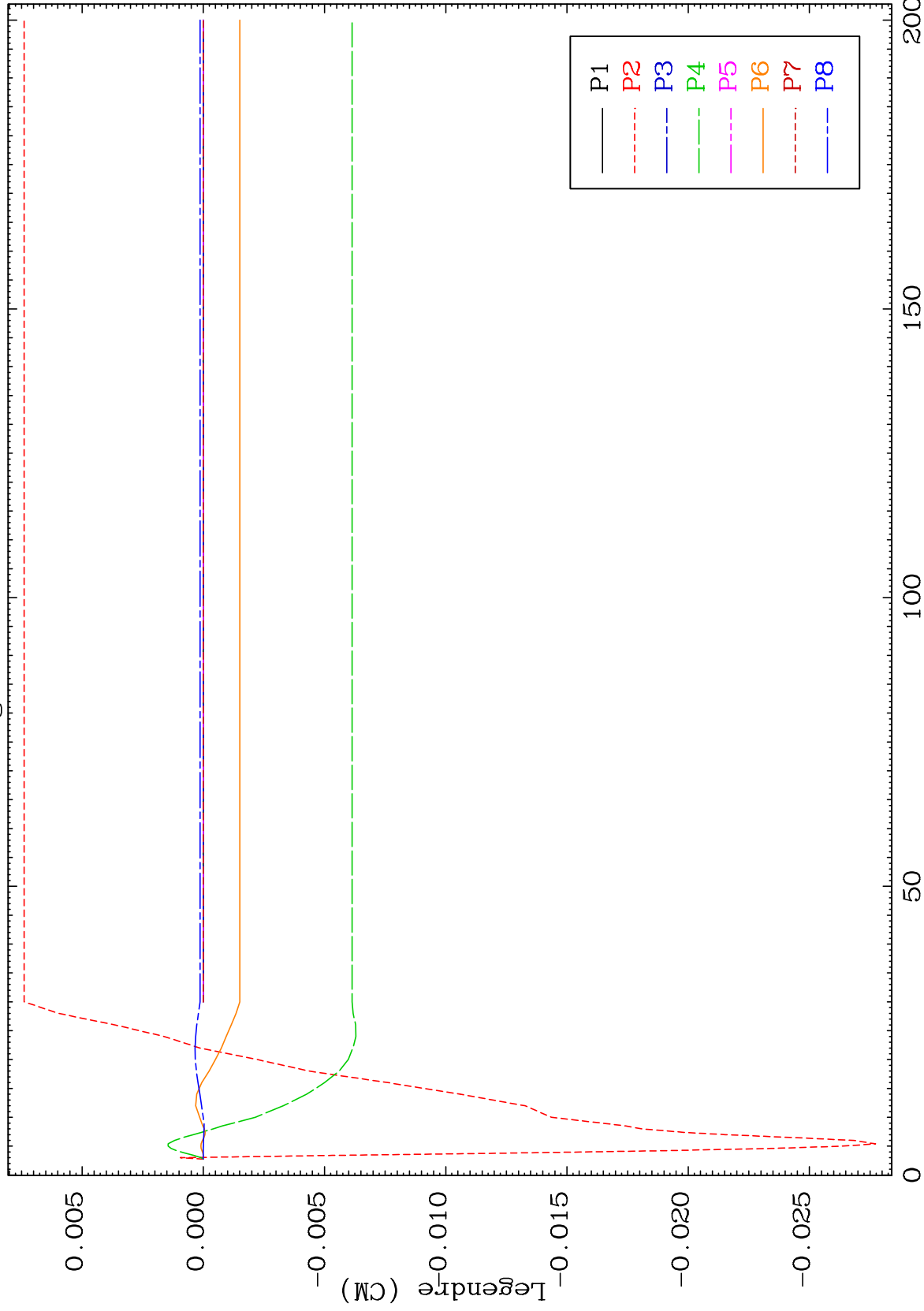


48 Incident Energy (MeV) 41-Nb-88

MAT 4110

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

41-Nb-88

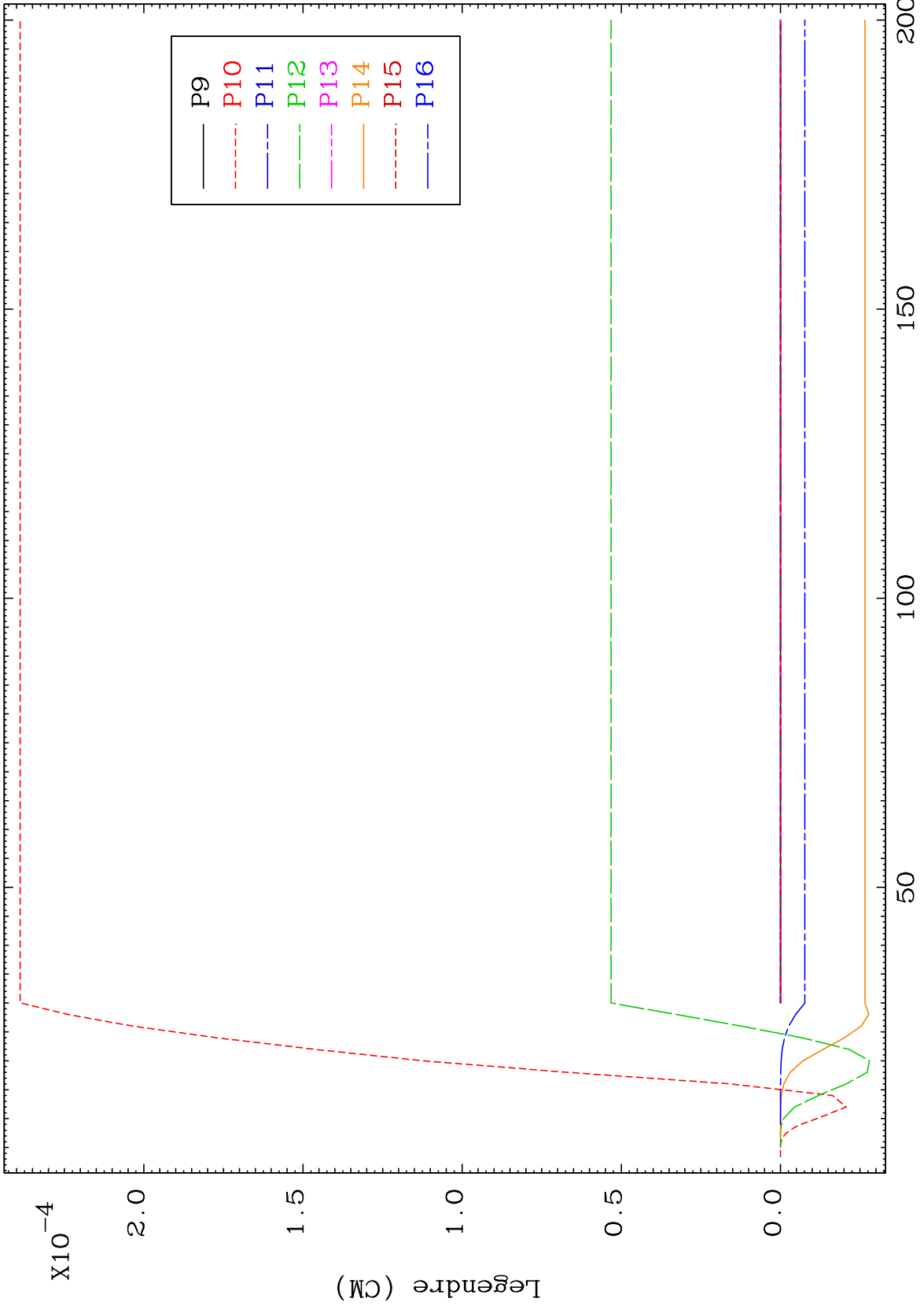


49

Incident Energy (MeV)

41-Nb-88

MAT 4110 MT= 61 (n,n') Level Legendre Coefficients 41-Nb-88

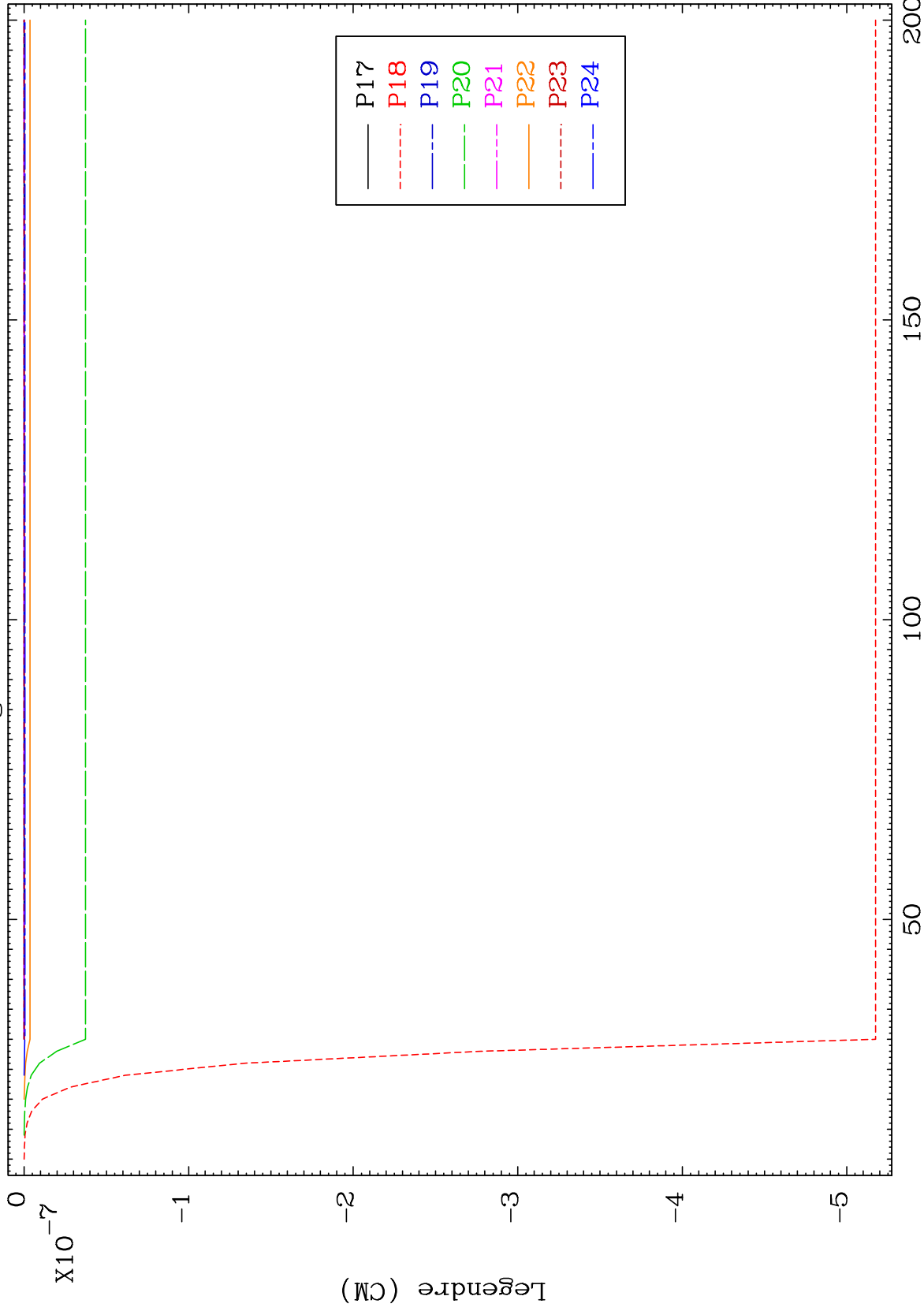


41-Nb-88

MAT 4110

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

41-Nb-88



51

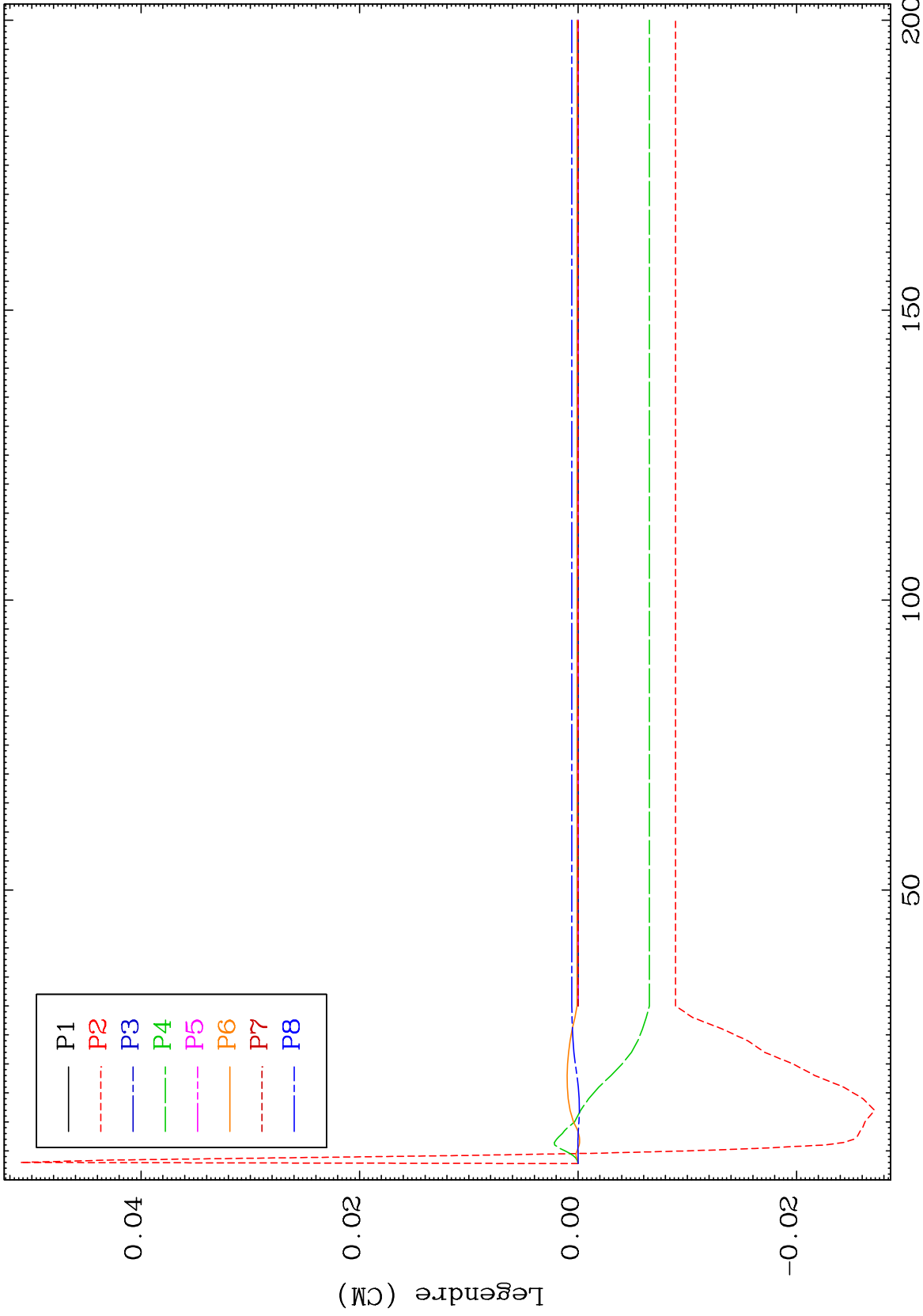
Incident Energy (MeV)

41-Nb-88

MAT 4110

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

41-Nb-88



52

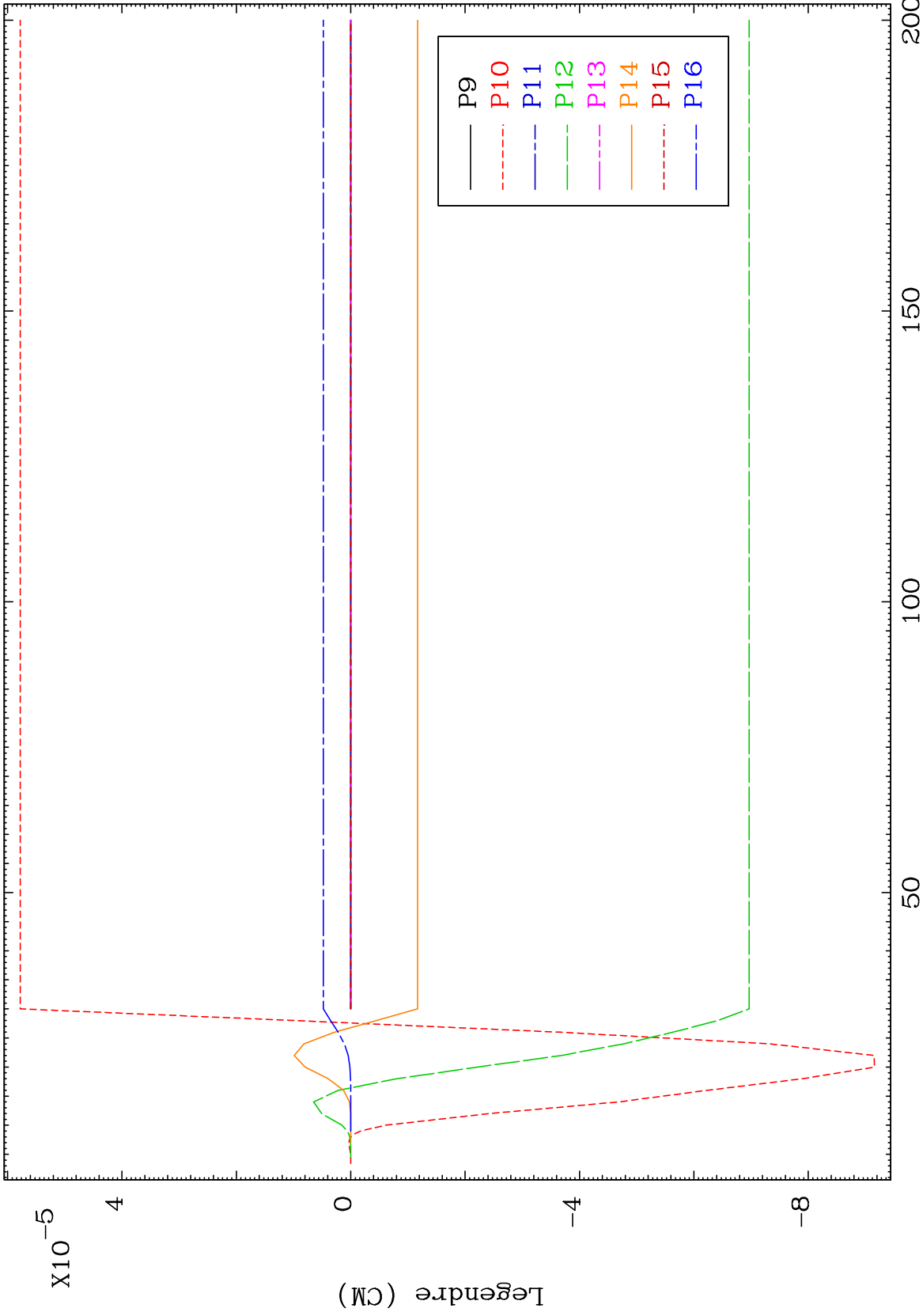
Incident Energy (MeV)

41-Nb-88

MAT 4110

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

41-Nb-88

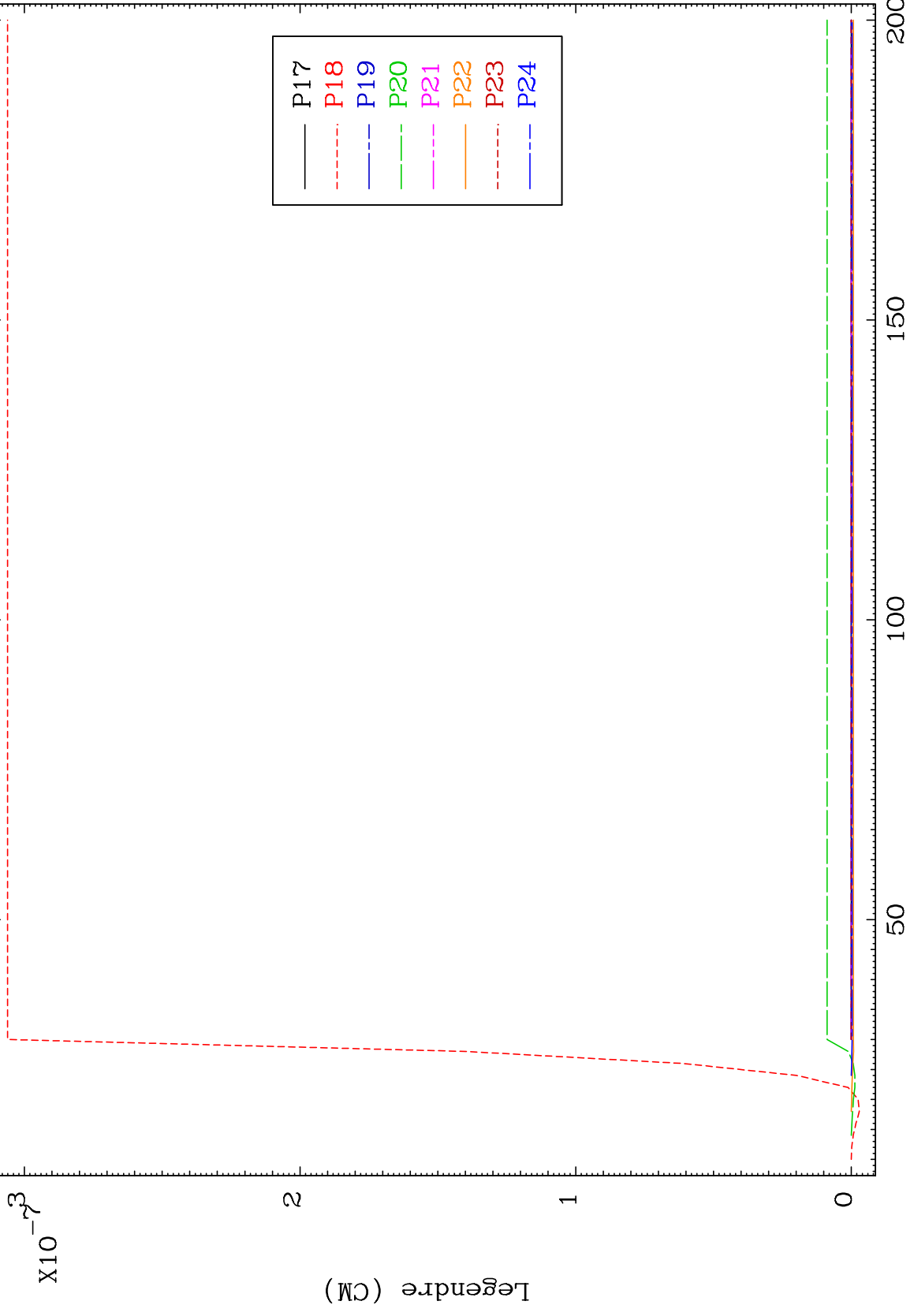


53

Incident Energy (MeV)

41-Nb-88

MAT 4110 MT= 62 (n,n') Level Legendre Coefficients 41-Nb-88

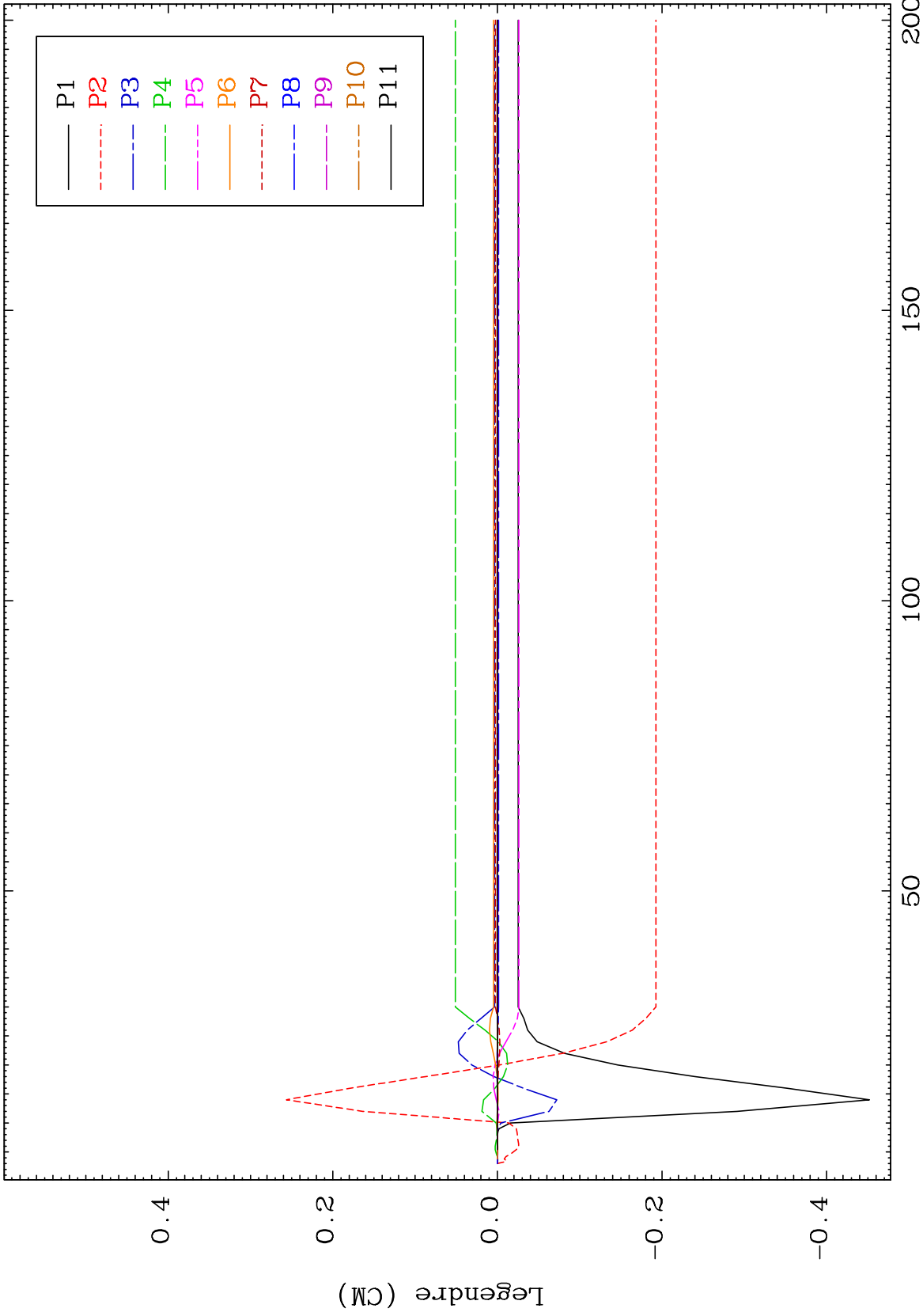


54 Incident Energy (MeV) 41-Nb-88

MAT 4110

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

41-Nb-88



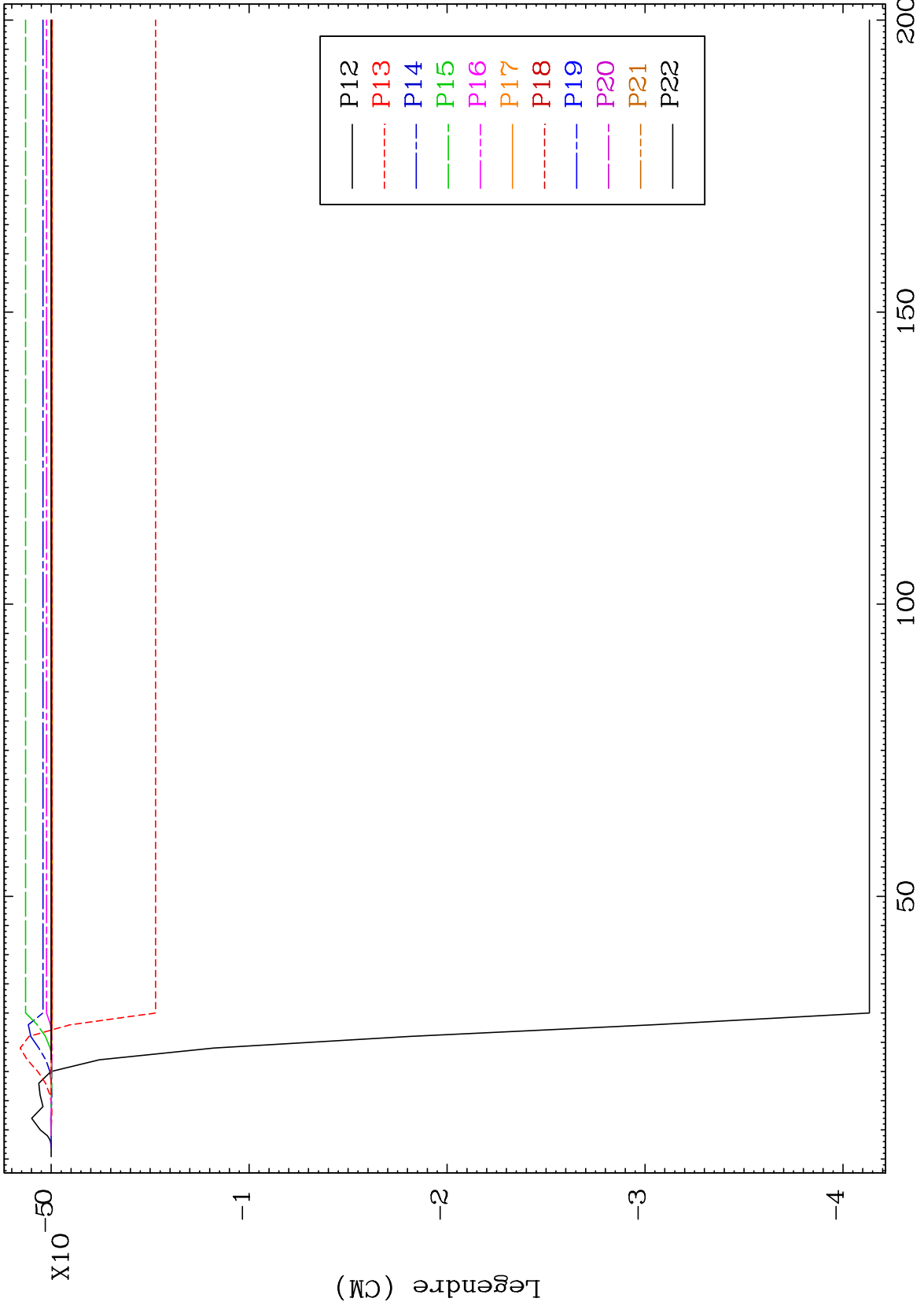
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Incident Energy (MeV)

41-Nb-88



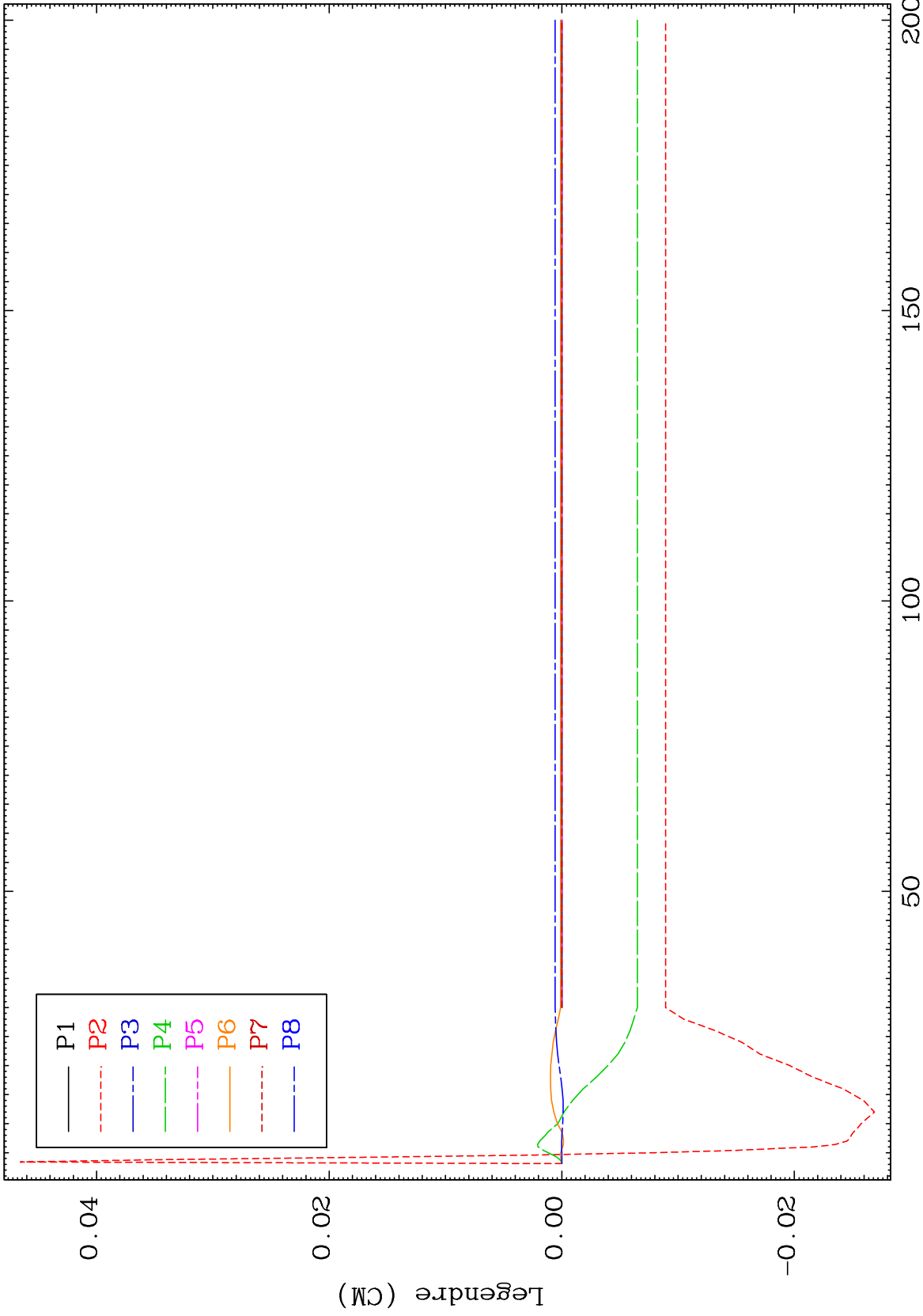
MAT 4110 MT= 63 (n,n') Level Legendre Coefficients 41-Nb-88



MAT 4110

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

41-Nb-88



57

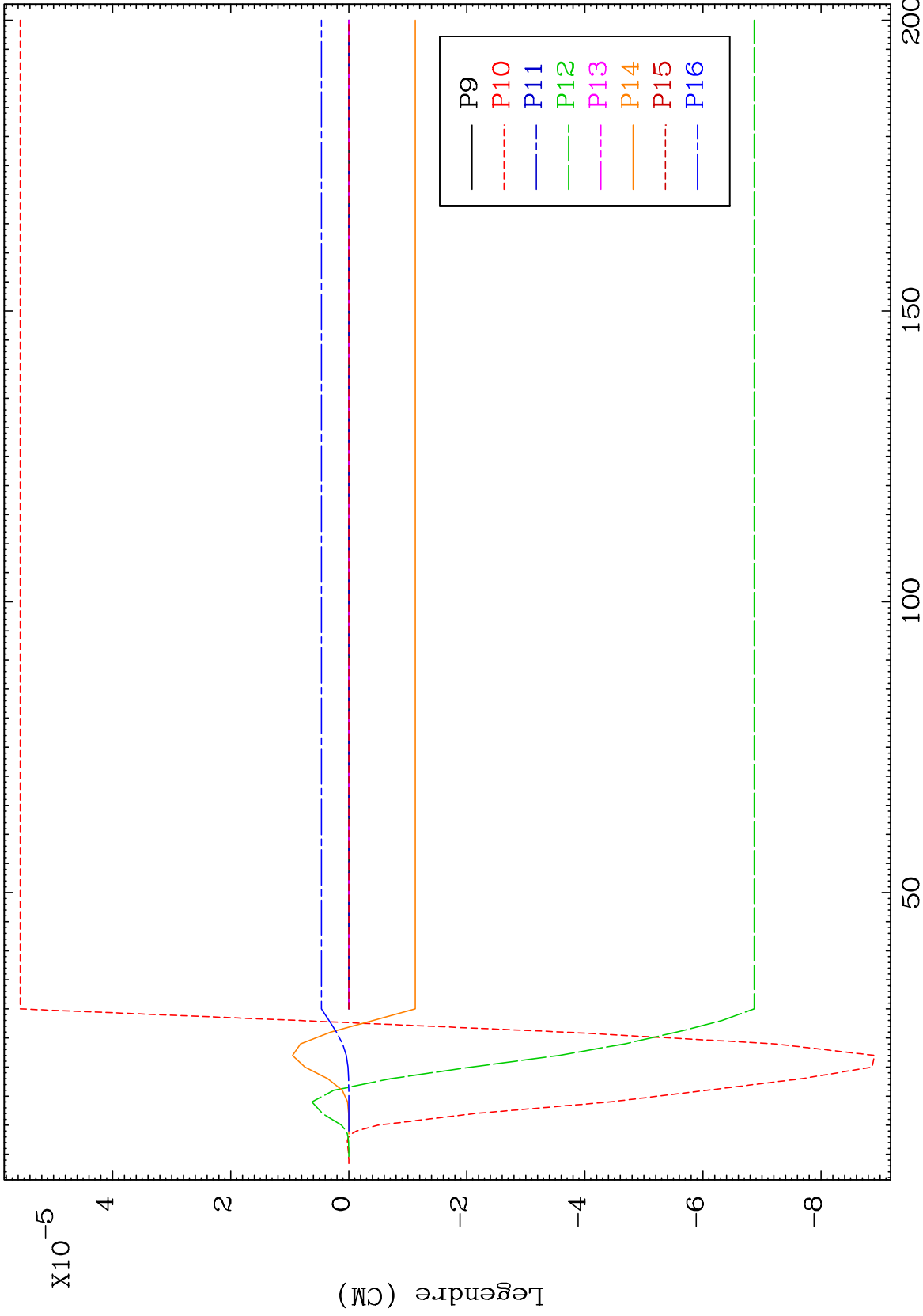
Incident Energy (MeV)

41-Nb-88

MAT 4110

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

41-Nb-88

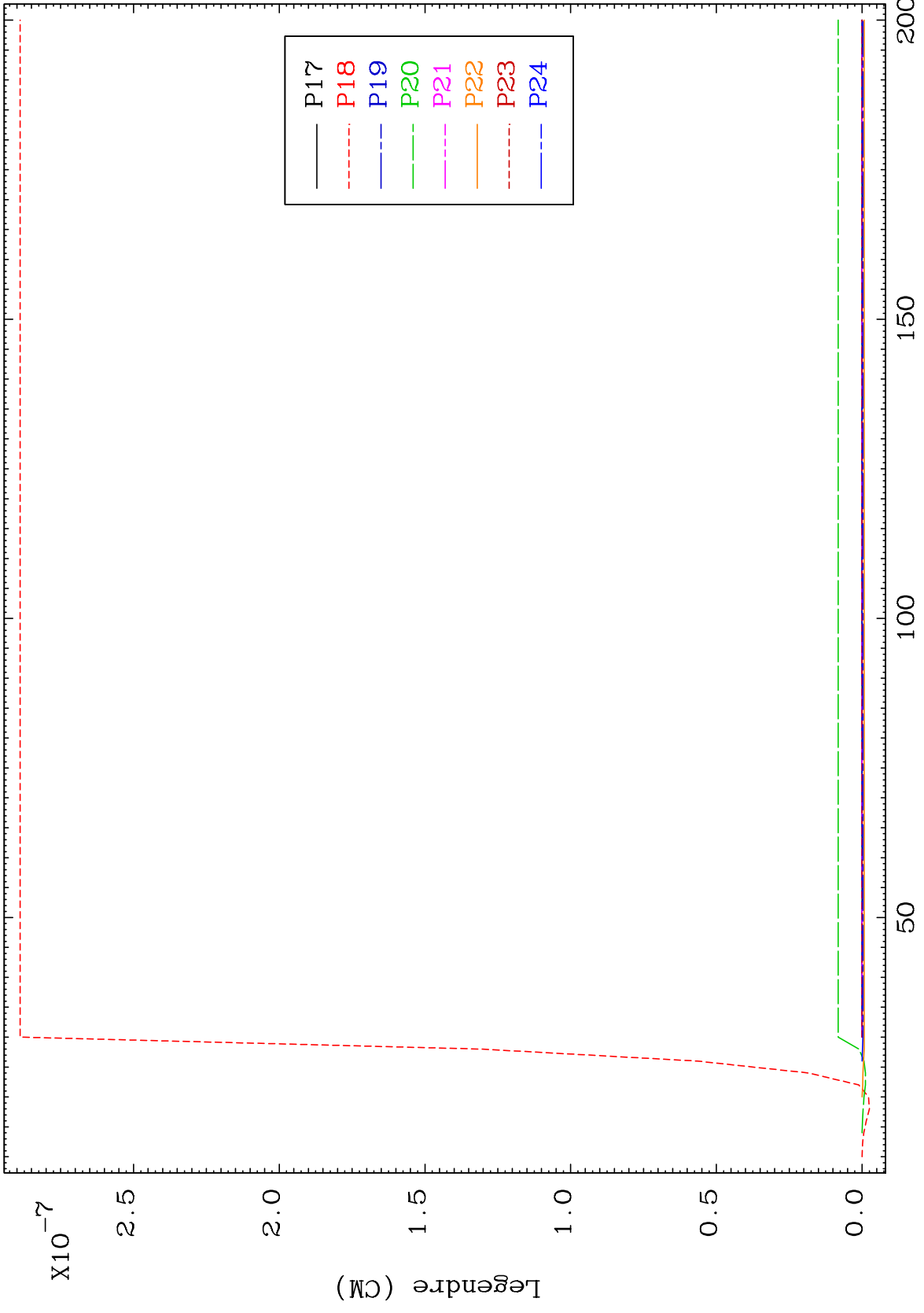


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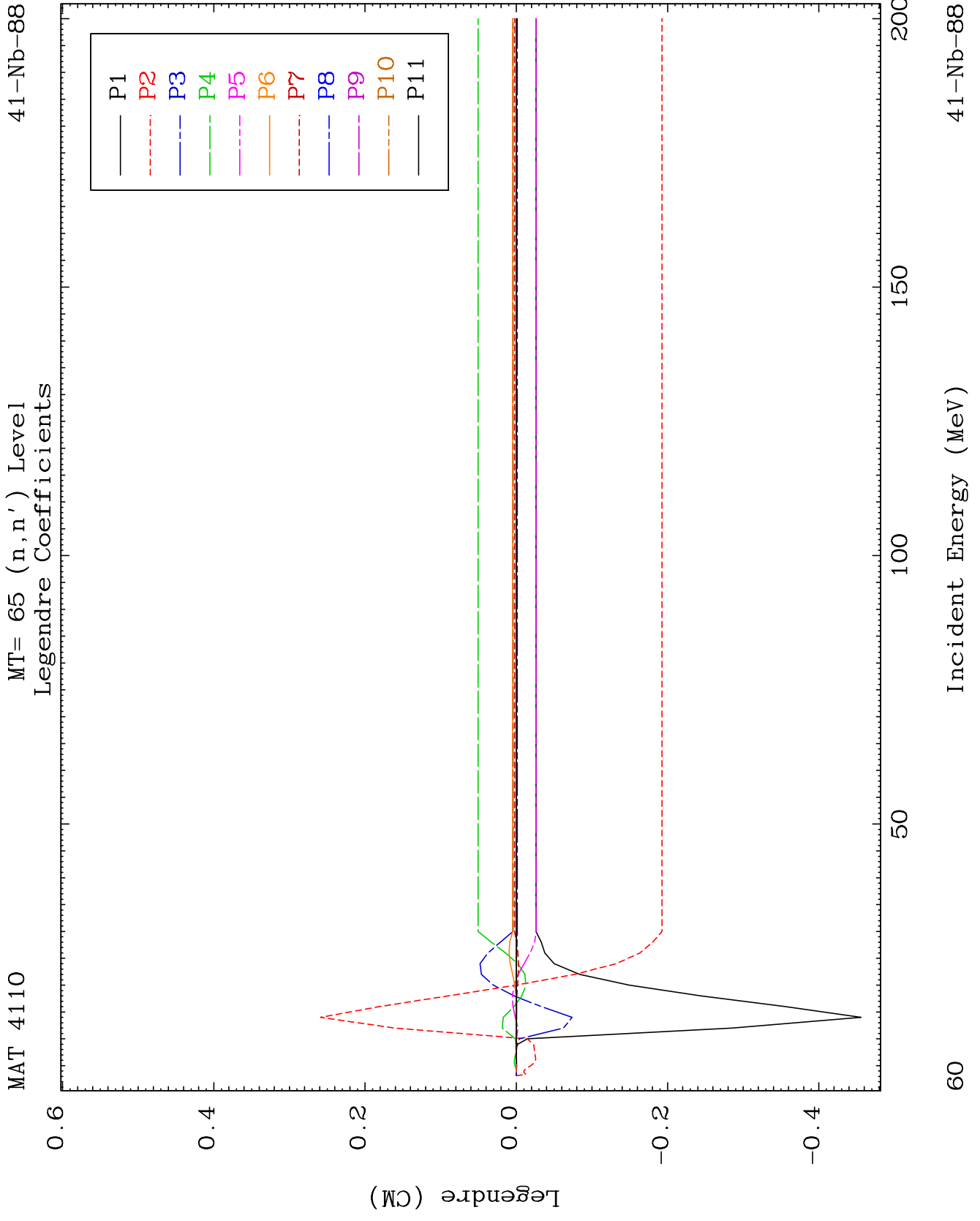
Incident Energy (MeV)

41-Nb-88

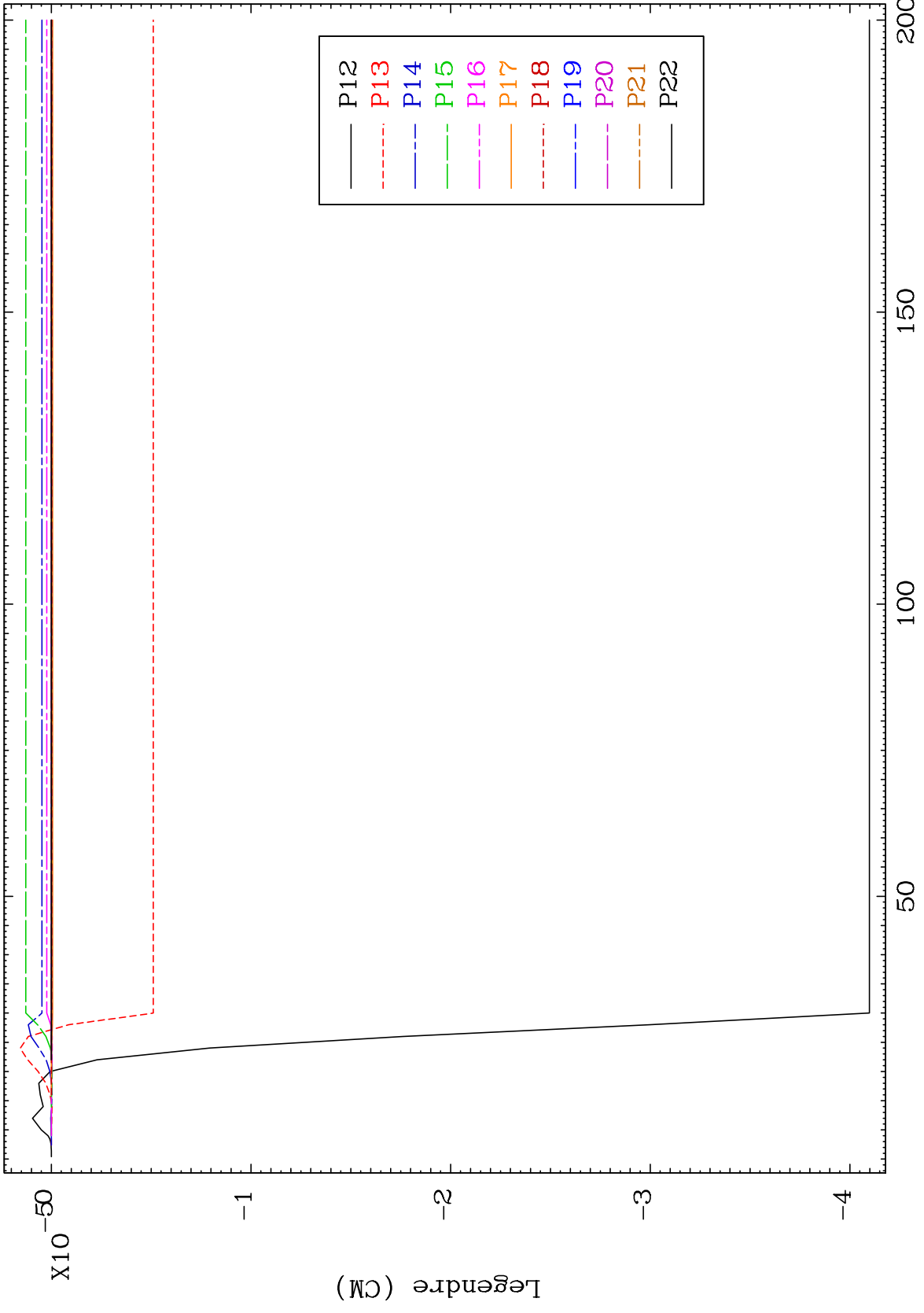
MAT 4110 MT= 64 (n,n') Level Legendre Coefficients 41-Nb-88



59 Incident Energy (MeV) 41-Nb-88

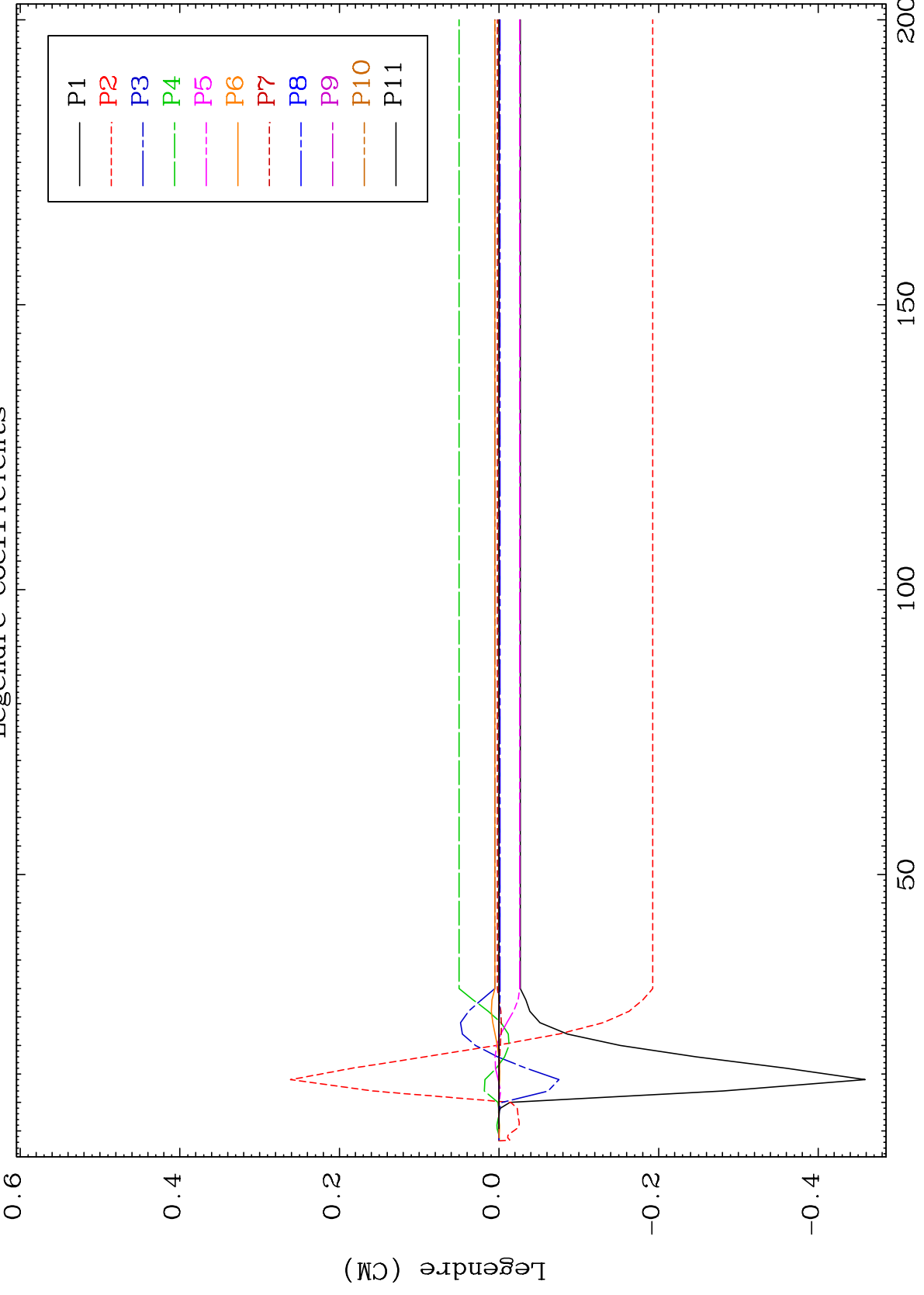


MAT 4110 MT= 65 (n,n') Level Legendre Coefficients 41-Nb-88



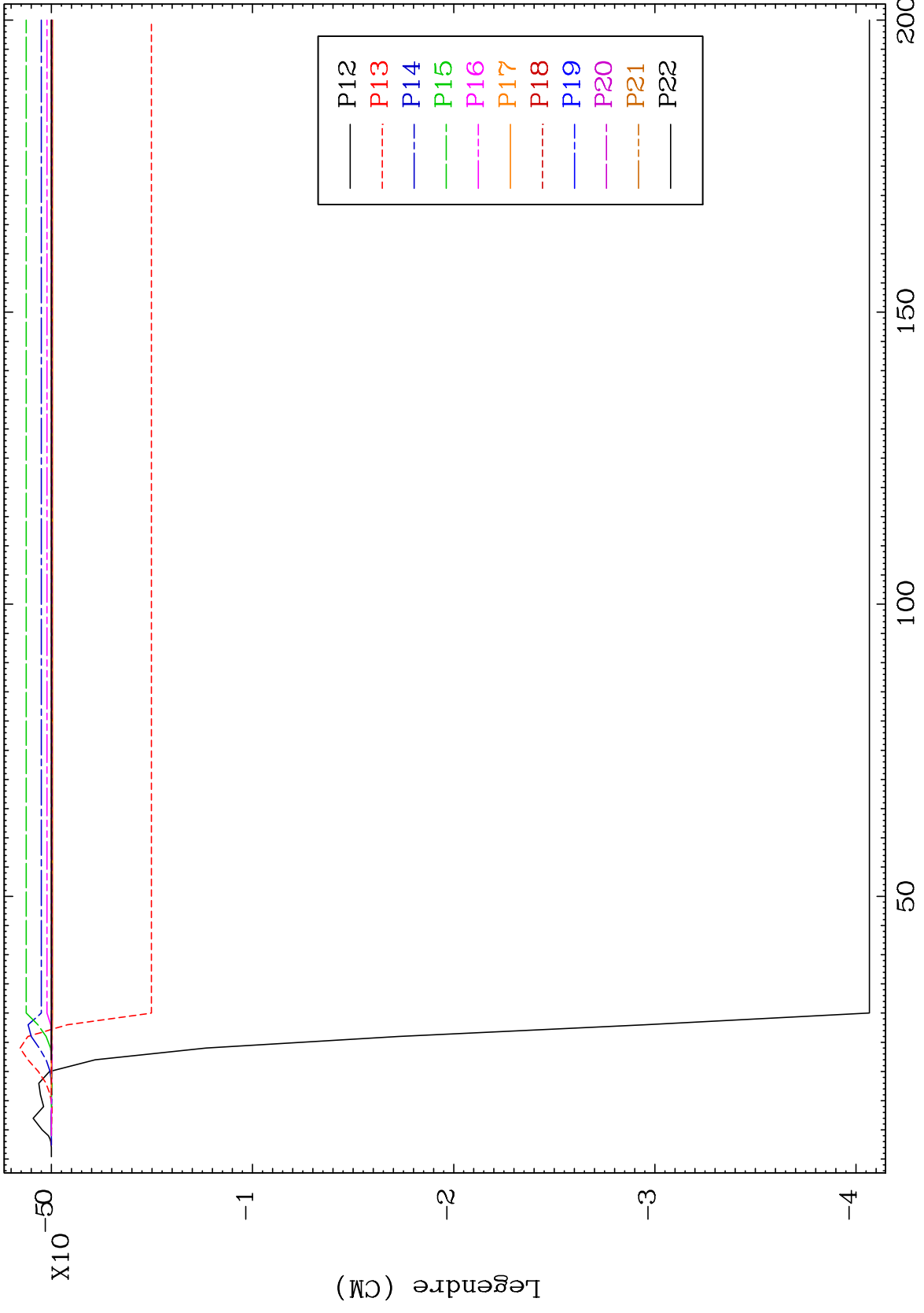
61 41-Nb-88

MAT 4110 MT= 66 (n,n') Level Legendre Coefficients 41-Nb-88



62 Incident Energy (MeV) 41-Nb-88

MAT 4110 MT= 66 (n,n') Level Legendre Coefficients 41-Nb-88



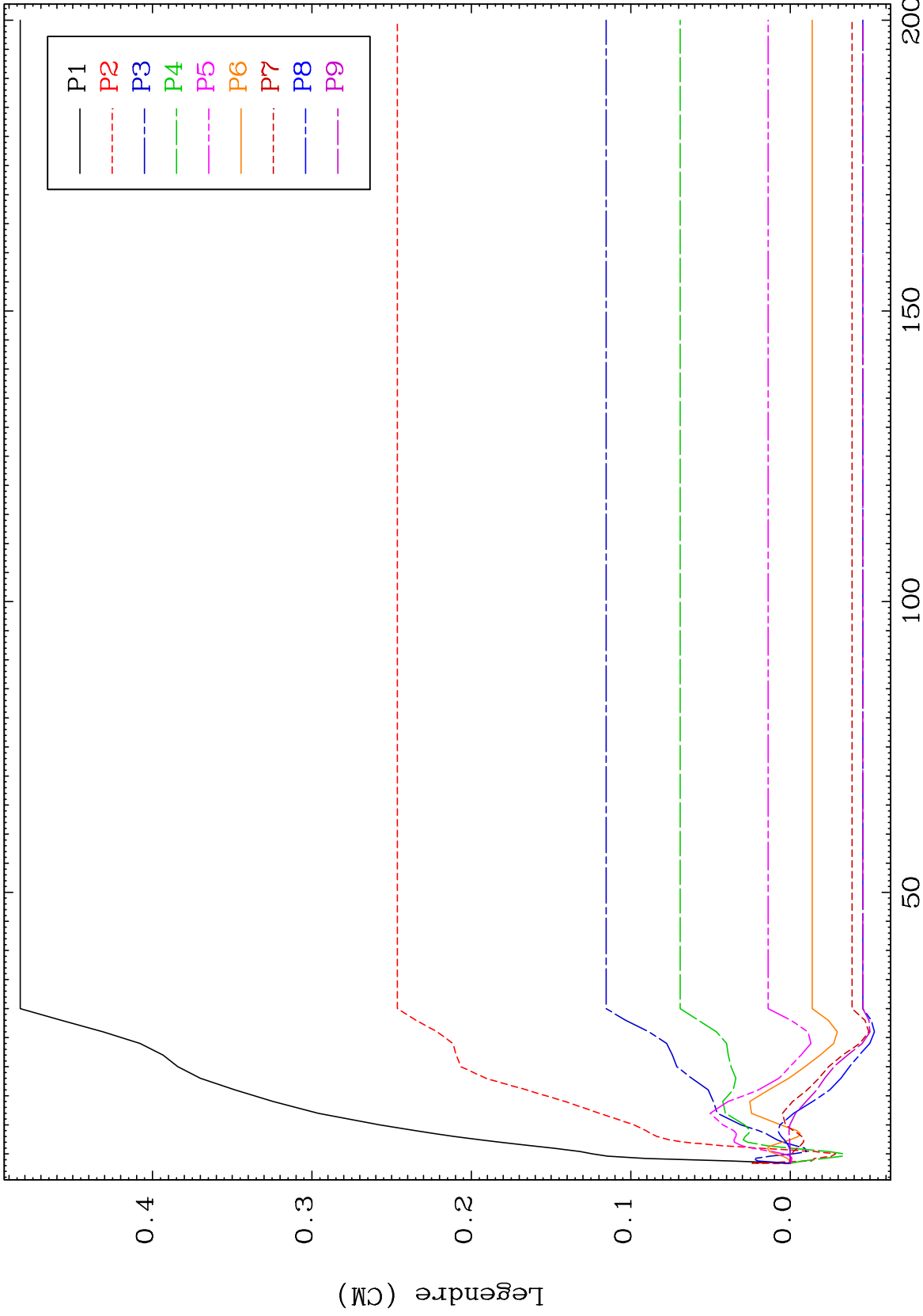
63 41-Nb-88



MAT 4110

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

41-Nb-88



64

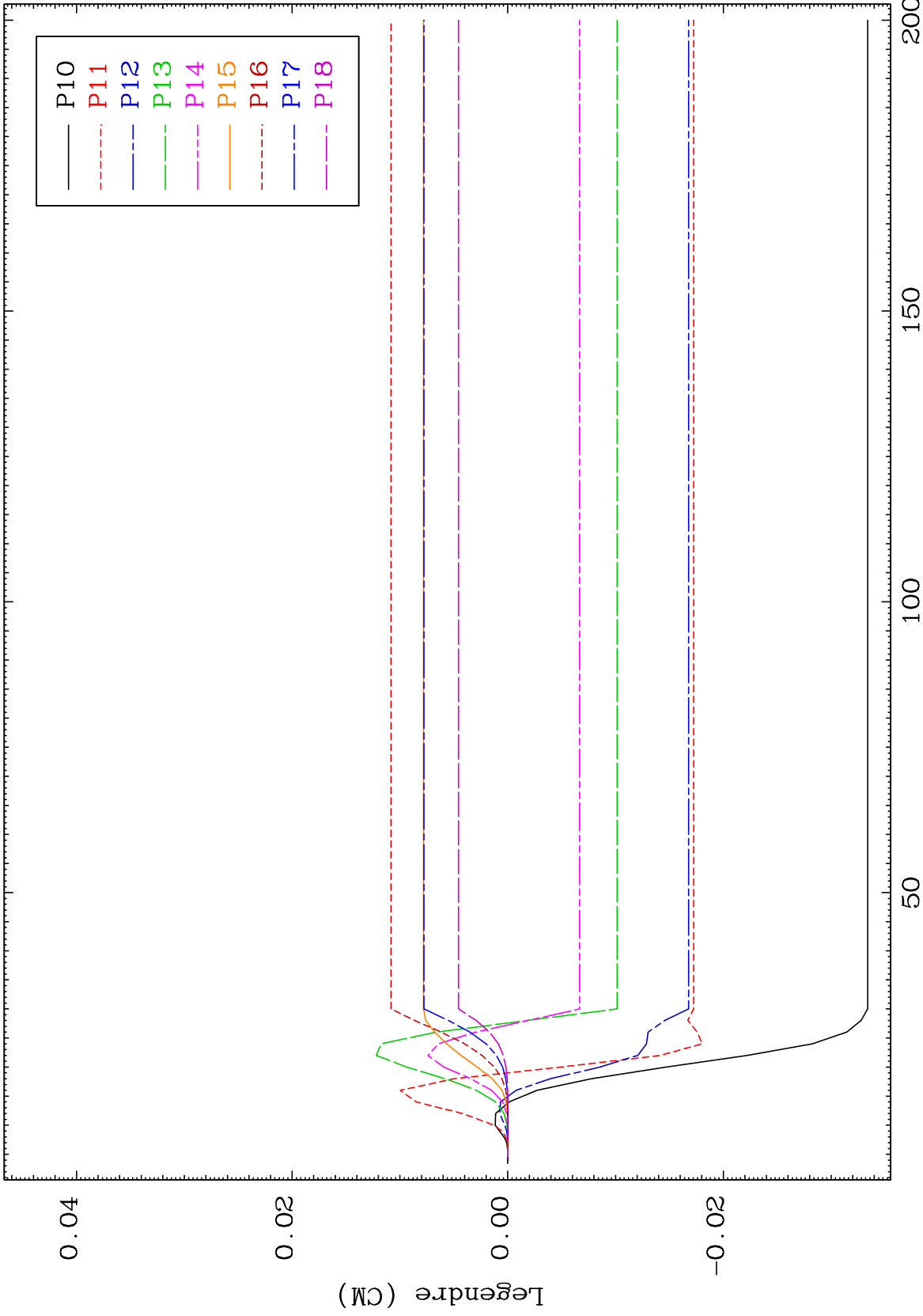
Incident Energy (MeV)

41-Nb-88

MAT 4110

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

41-Nb-88



65

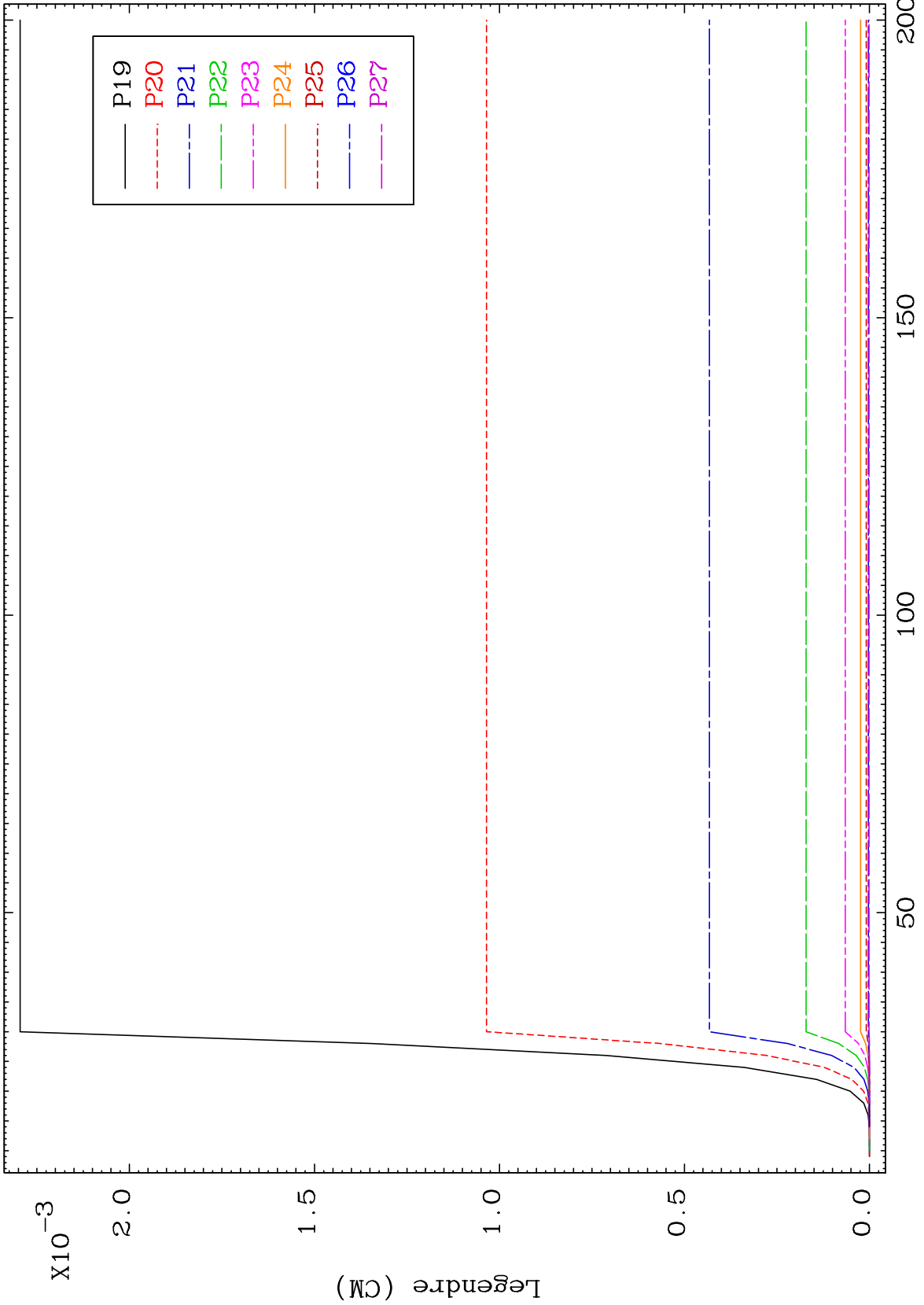
Incident Energy (MeV)

41-Nb-88

MAT 4110

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

41-Nb-88



66

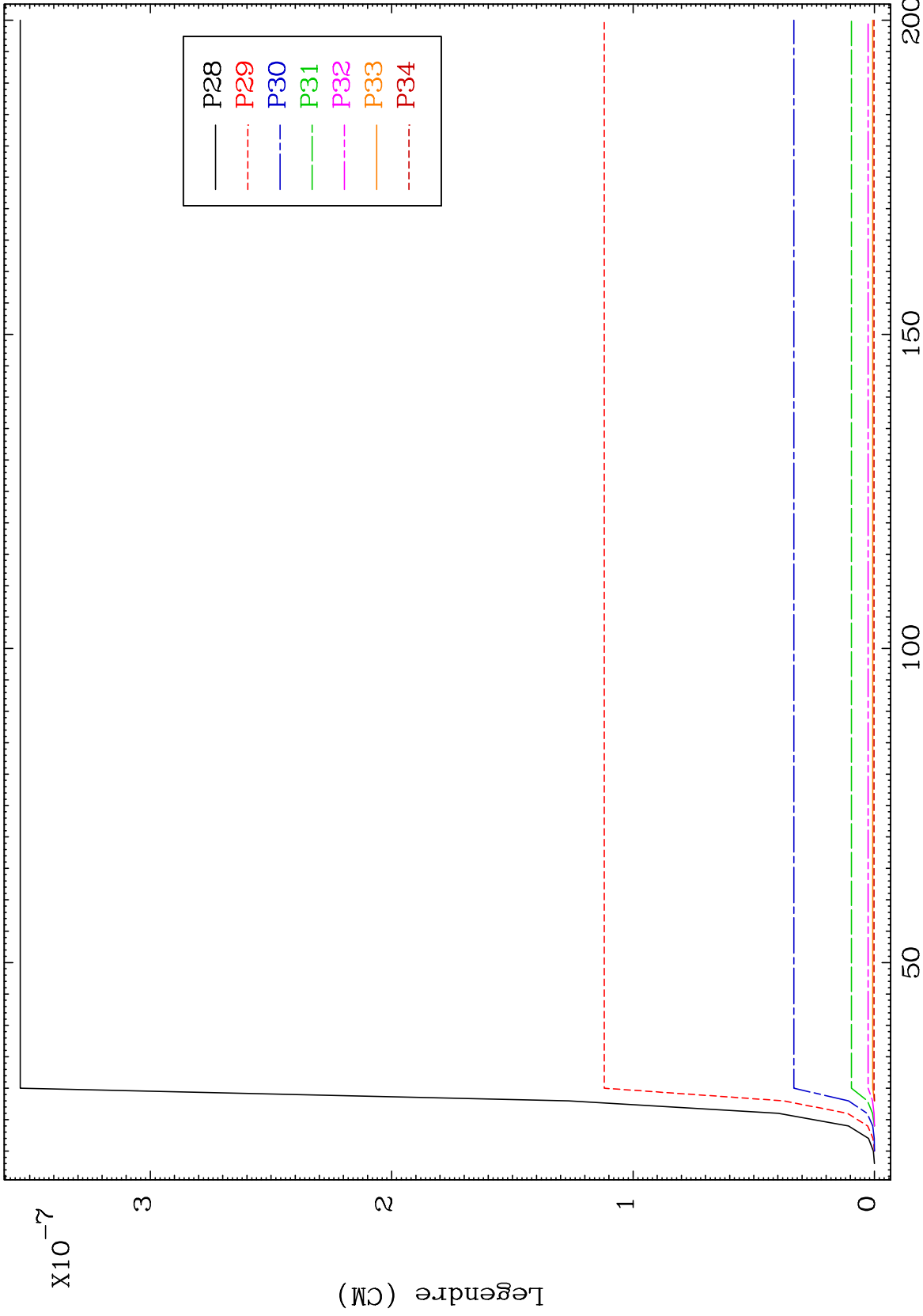
Incident Energy (MeV)

41-Nb-88

MAT 4110

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

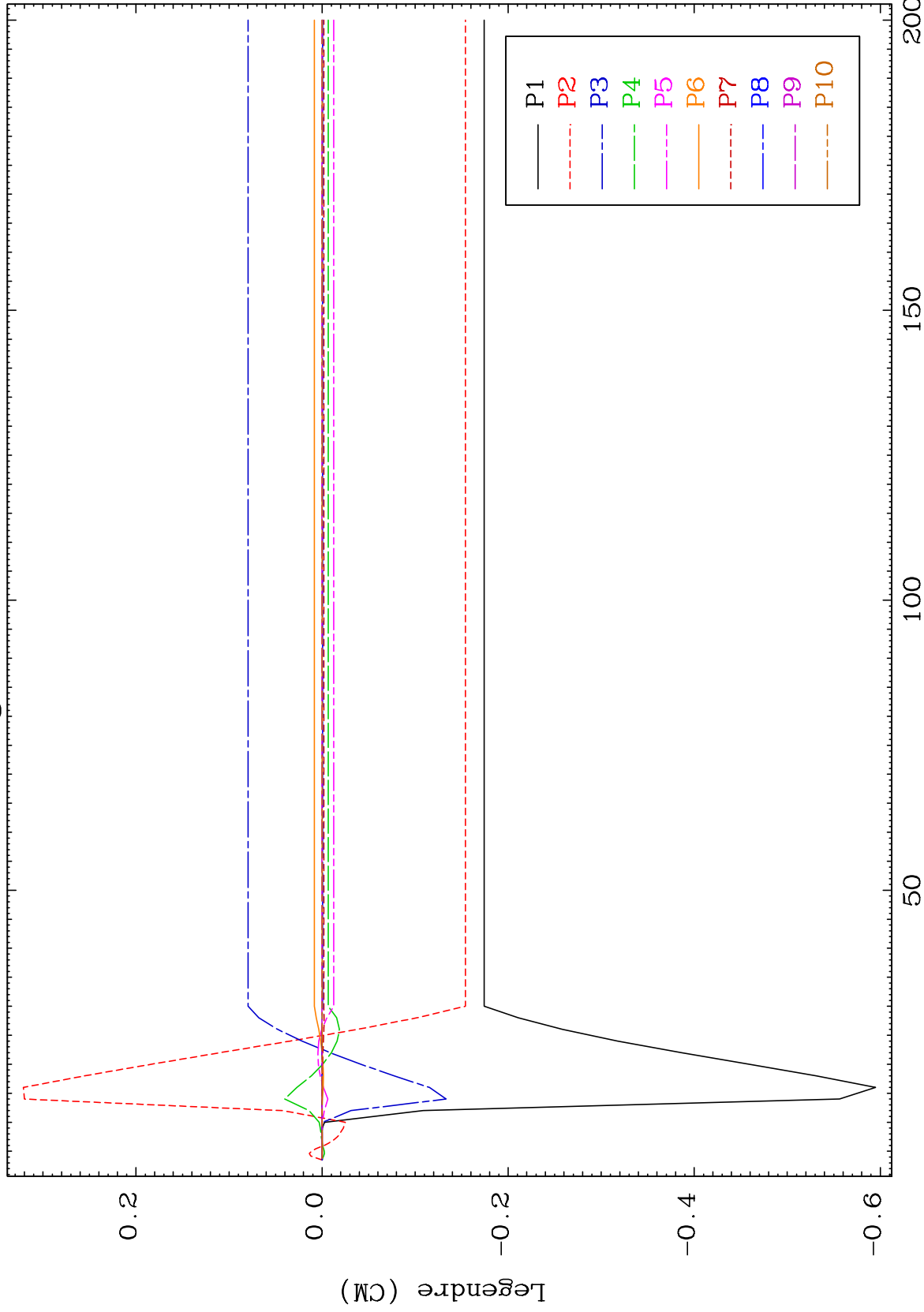
41-Nb-88



MAT 4110

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

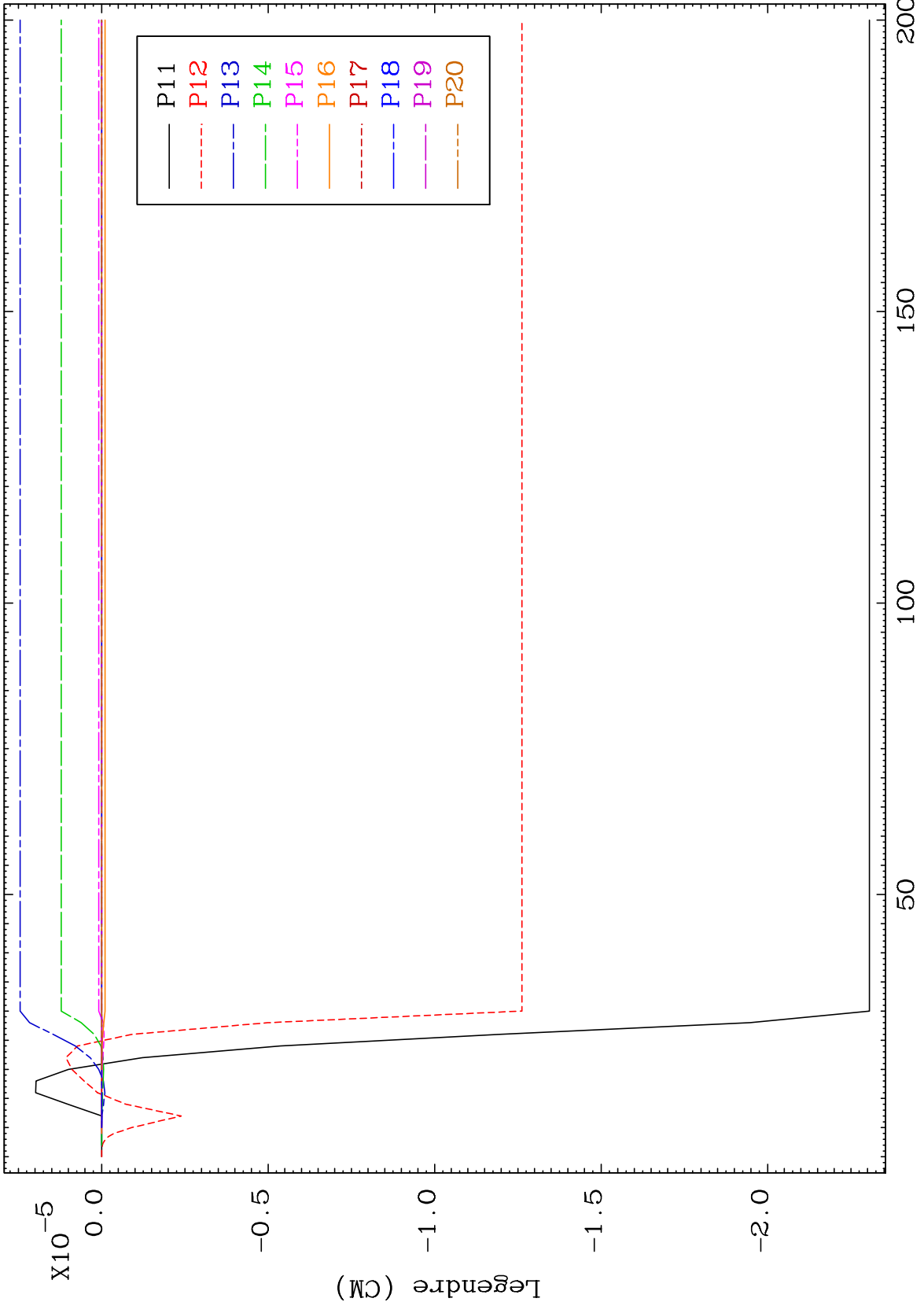
41-Nb-88



68

Incident Energy (MeV)

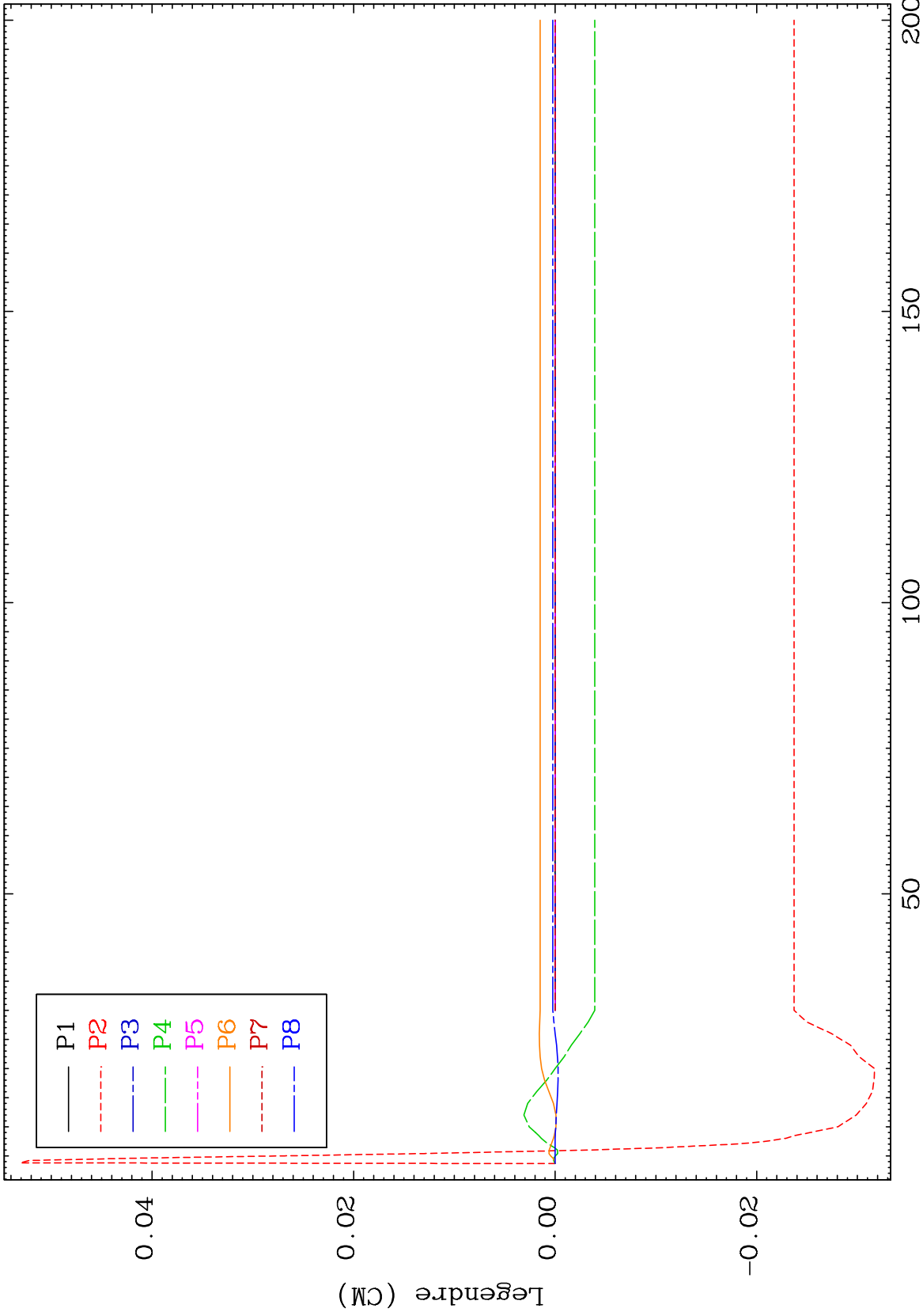
41-Nb-88



MAT 4110

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

41-Nb-88

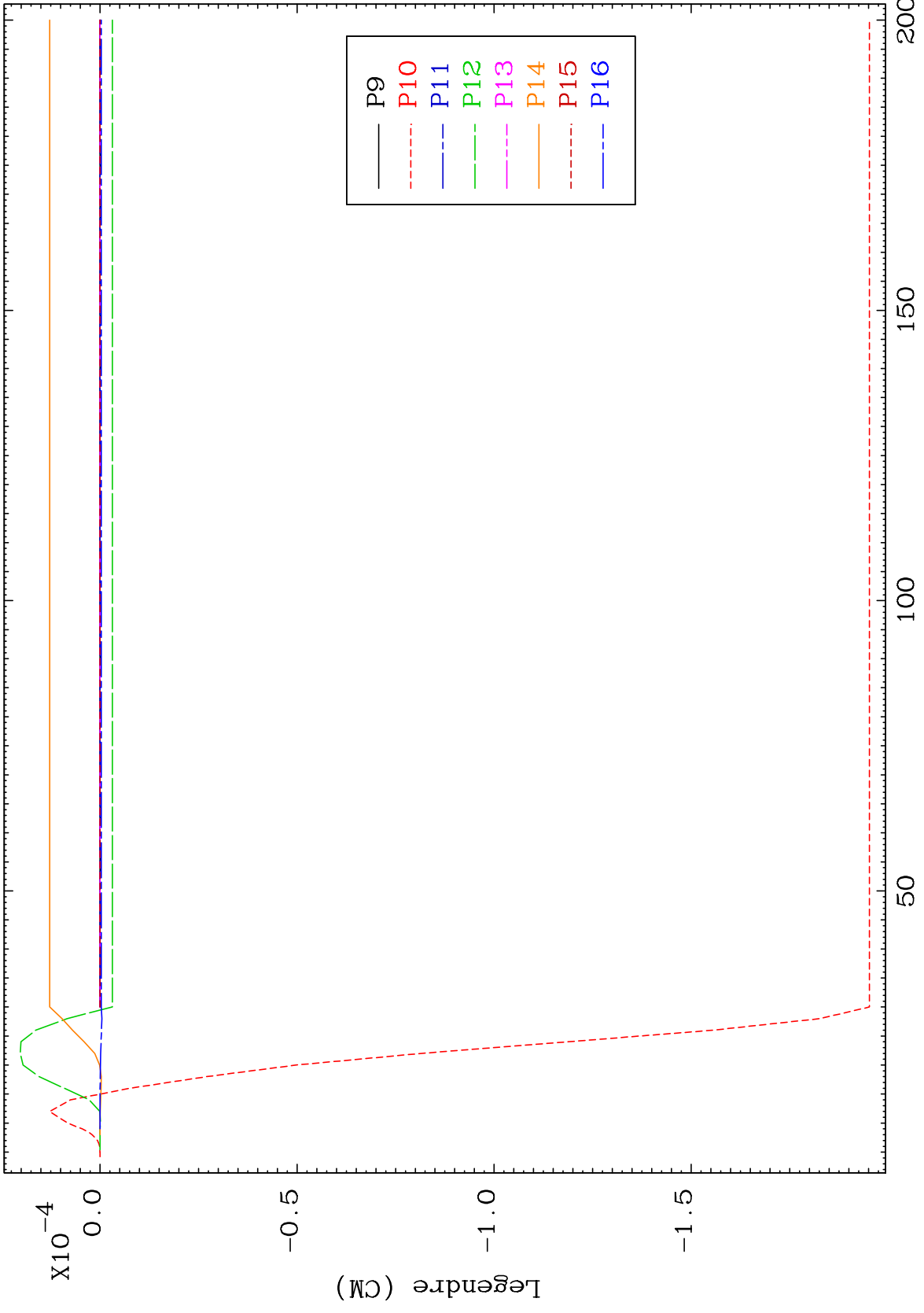


70

Incident Energy (MeV)

41-Nb-88

MAT 4110 MT= 69 (n,n') Level Legendre Coefficients 41-Nb-88

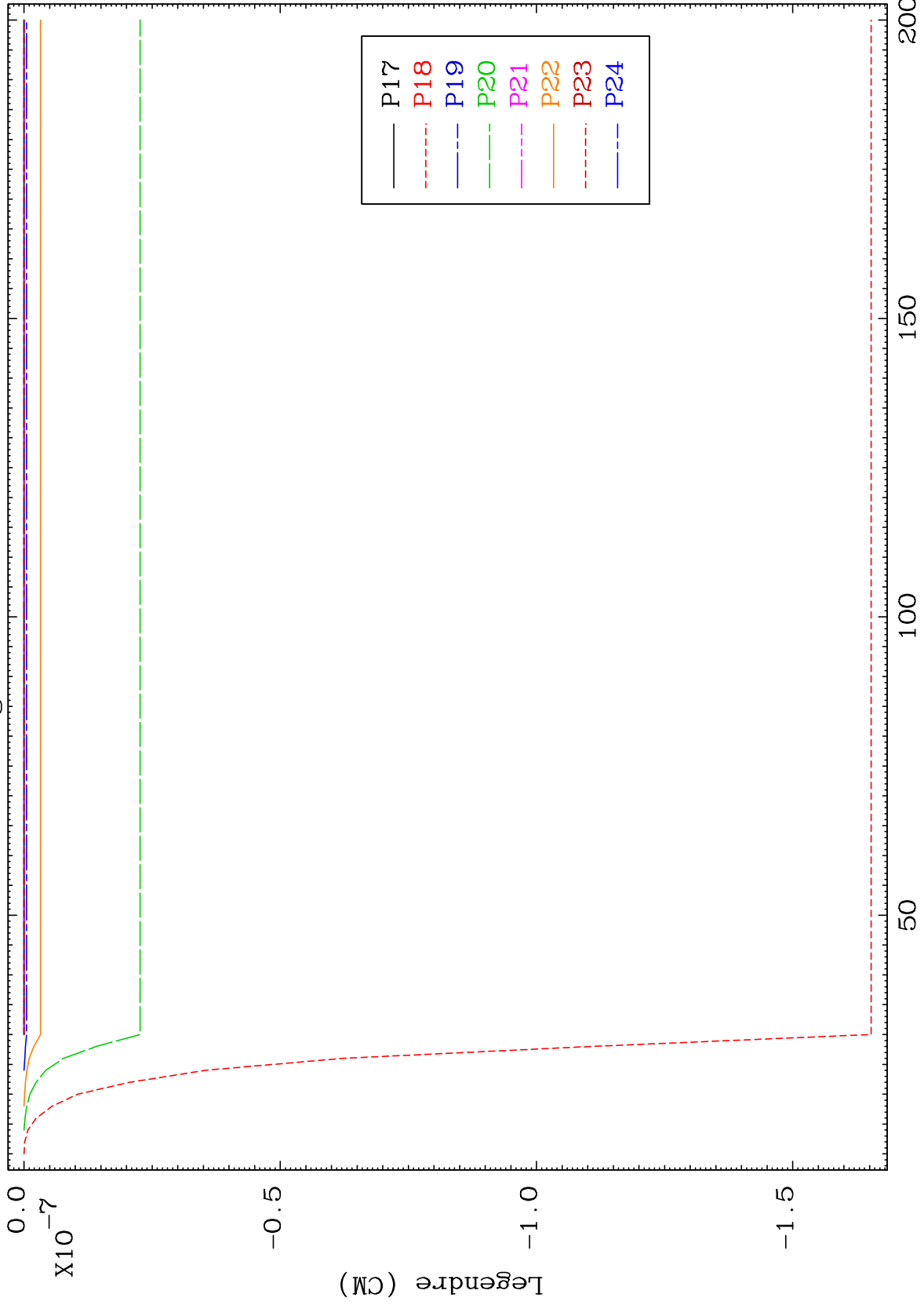




MAT 4110

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

41-Nb-88



41-Nb-88

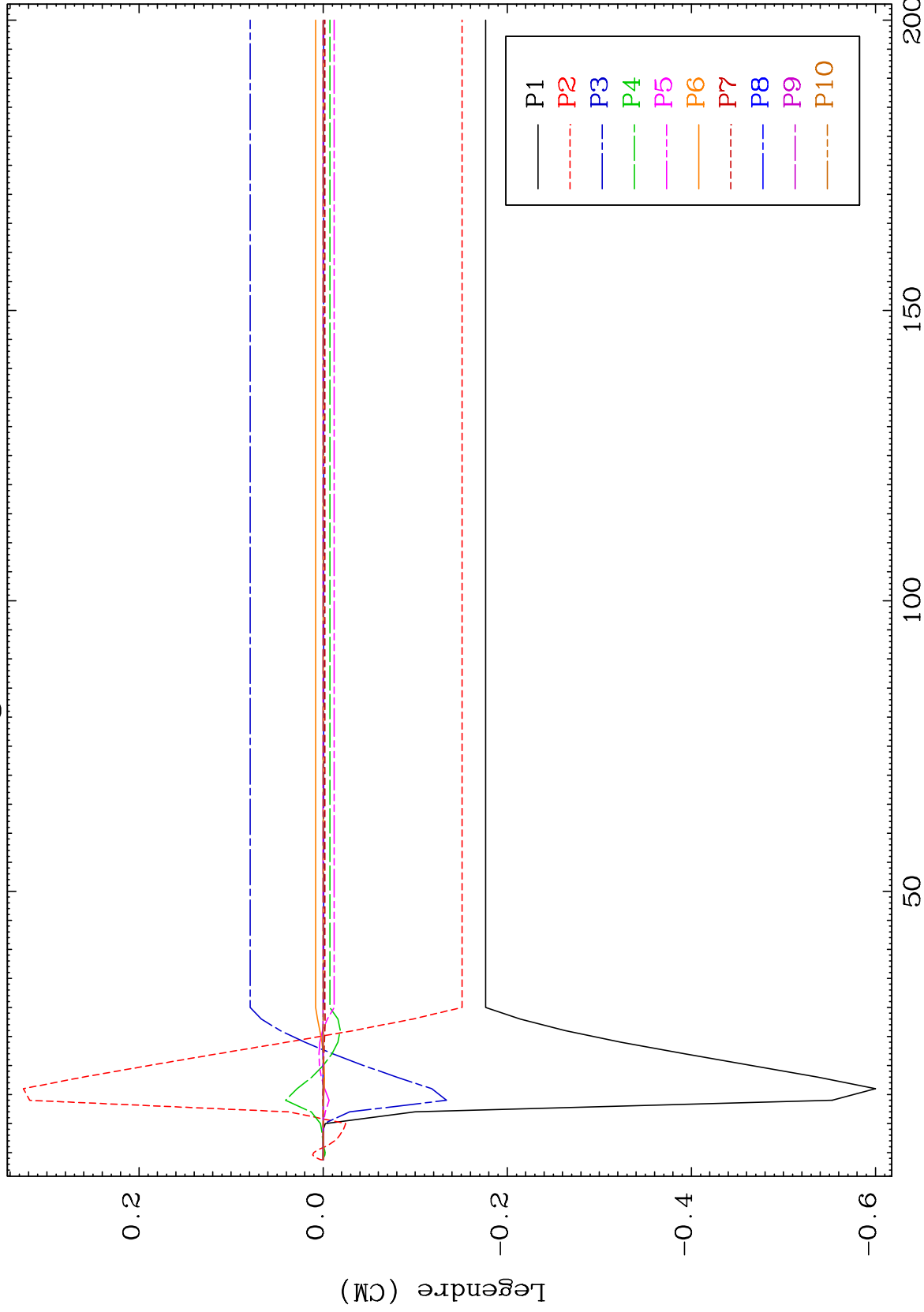
Incident Energy (MeV)

72

MAT 4110

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

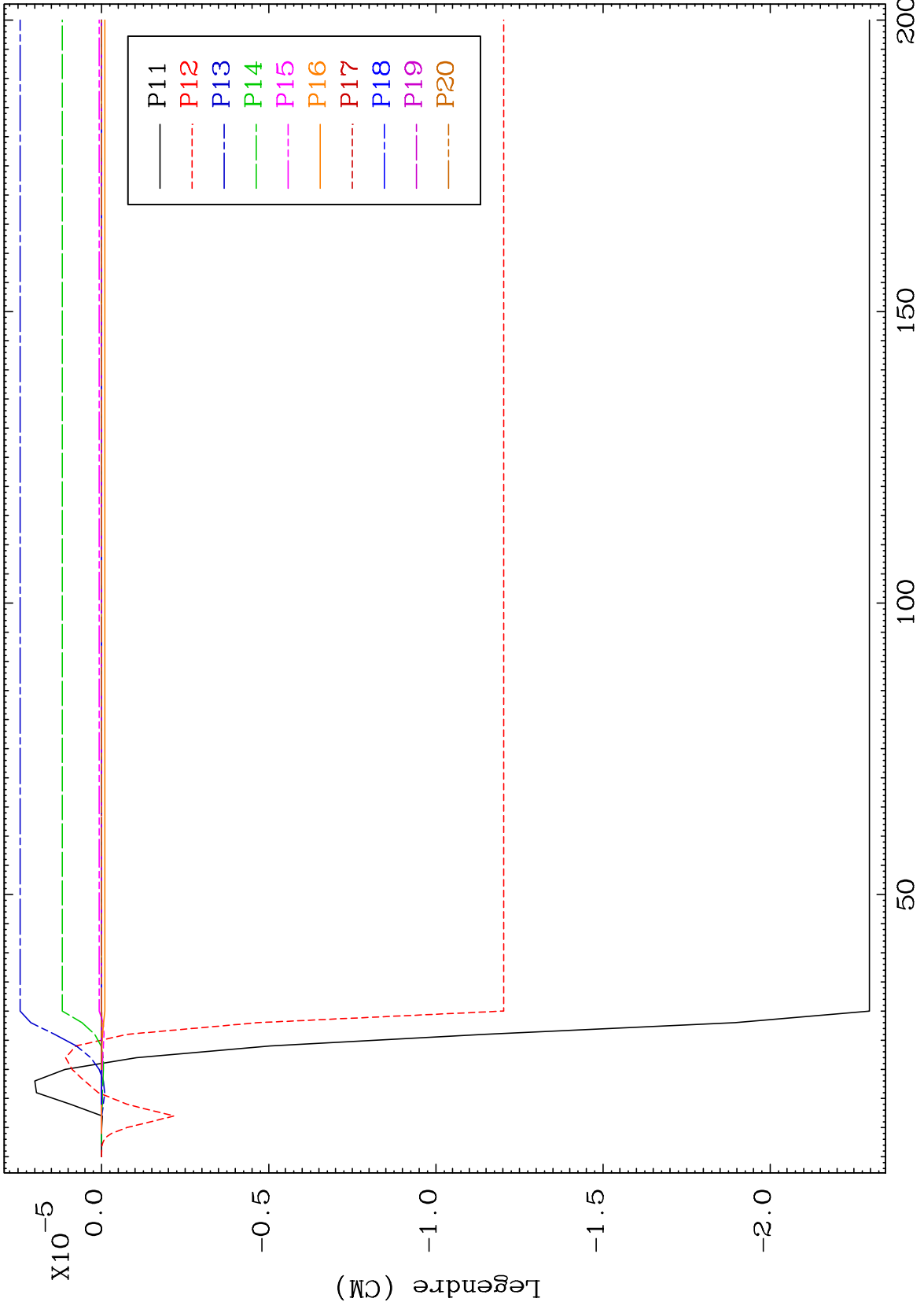
41-Nb-88



73

Incident Energy (MeV)

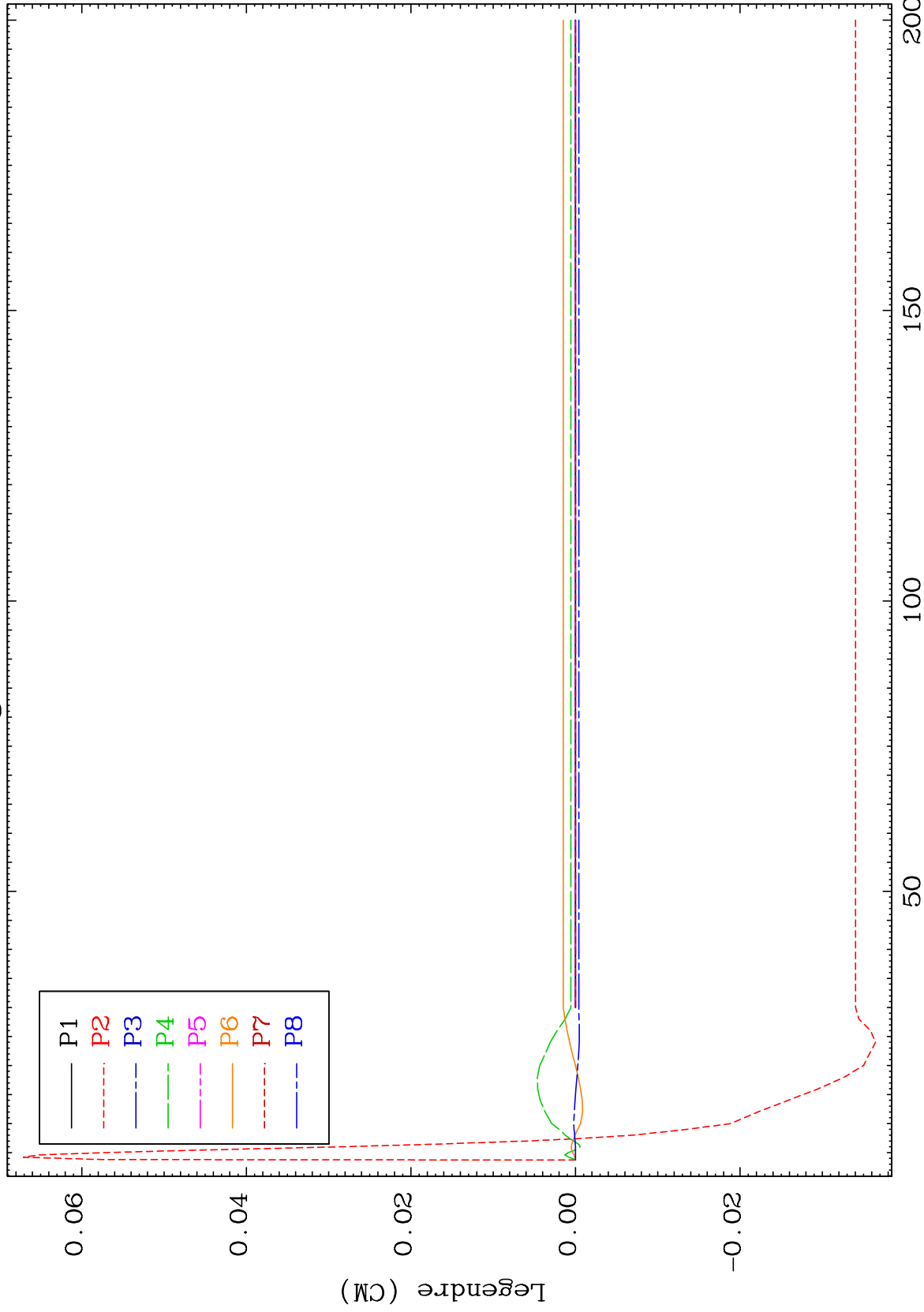
41-Nb-88



MAT 4110

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

41-Nb-88

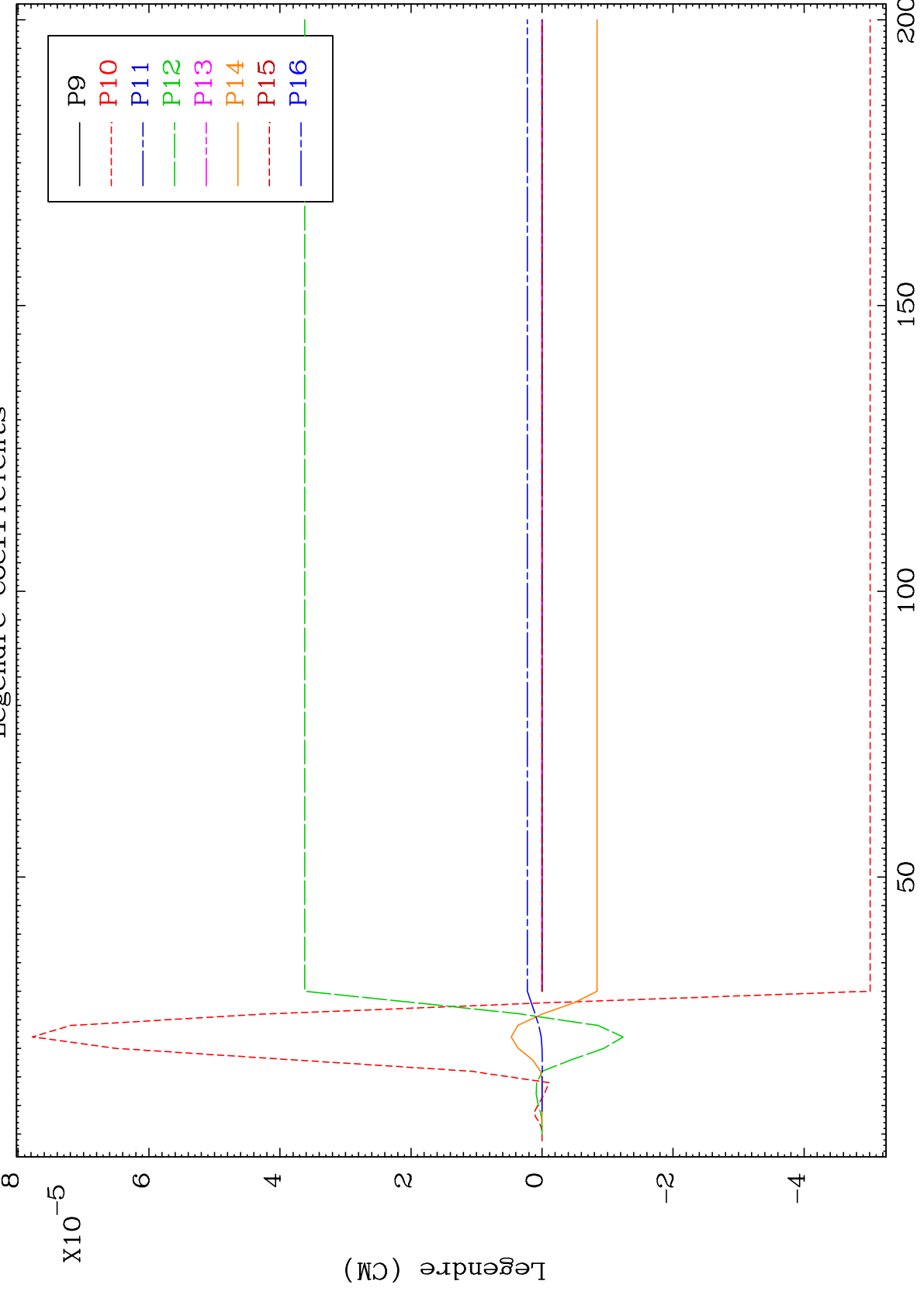


75

Incident Energy (MeV)

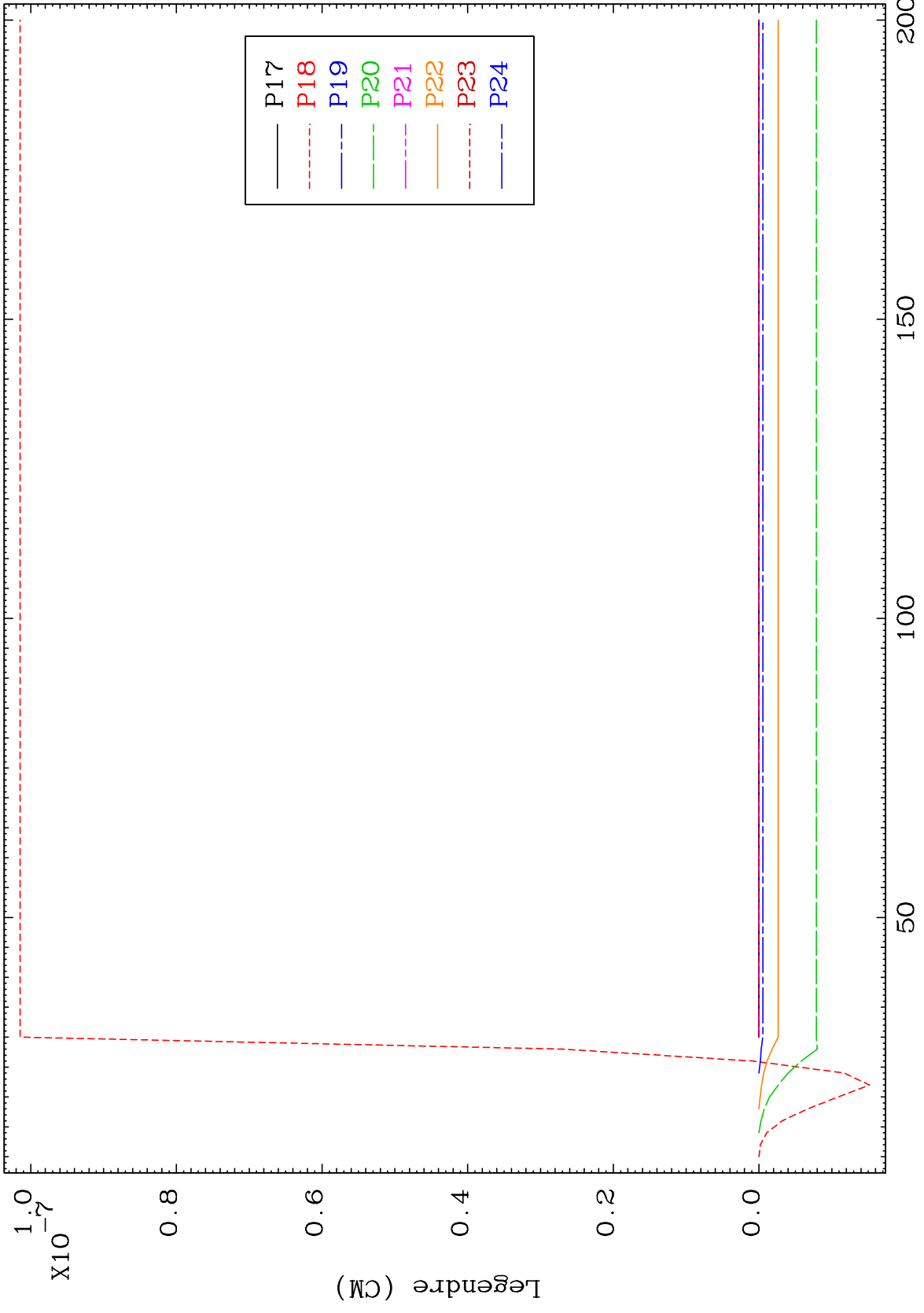
41-Nb-88

MAT 4110 MT= 71 (n,n') Level Legendre Coefficients 41-Nb-88



76 41-Nb-88

MAT 4110 MT= 71 (n,n') Level Legendre Coefficients 41-Nb-88

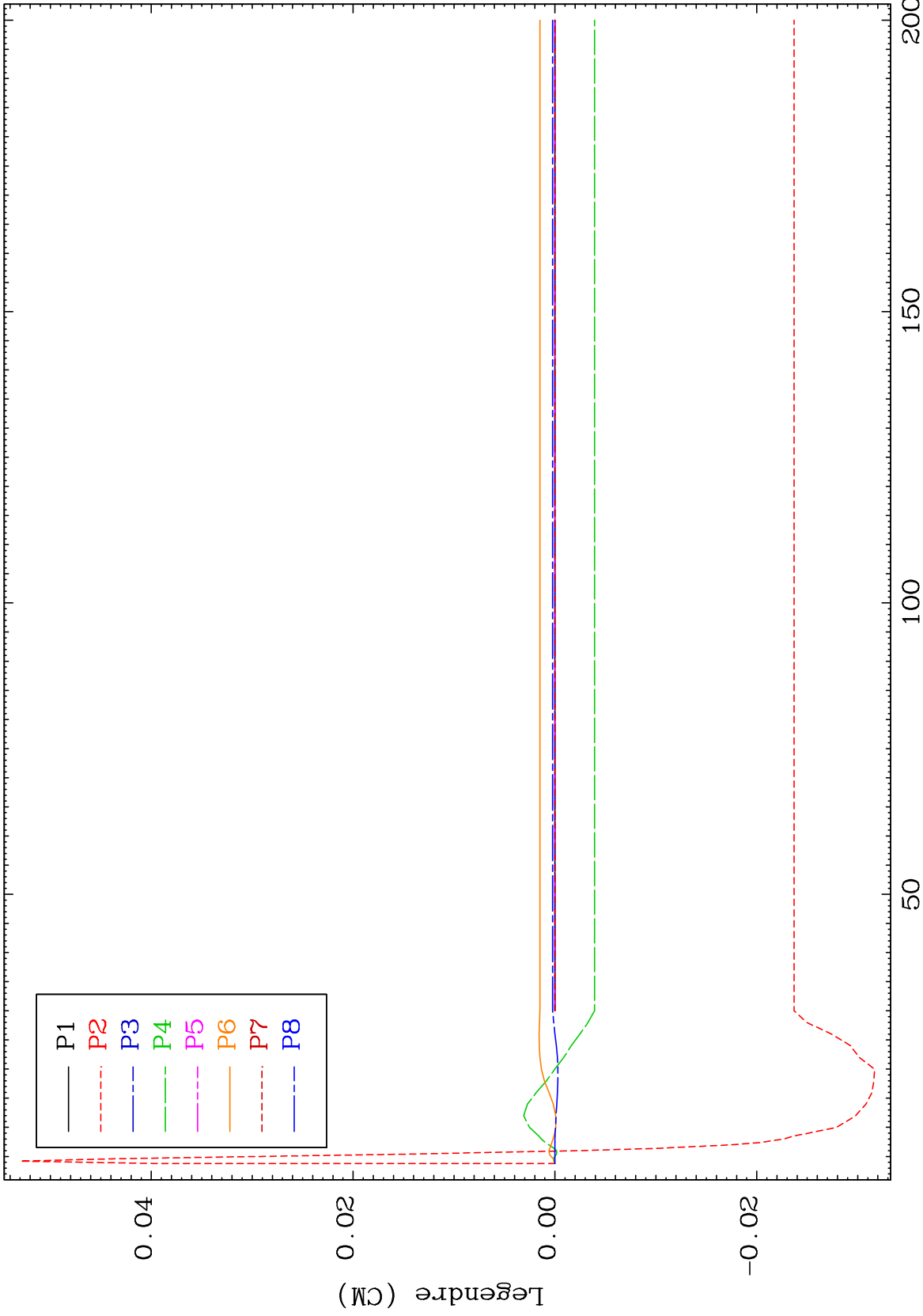


77 41-Nb-88

MAT 4110

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

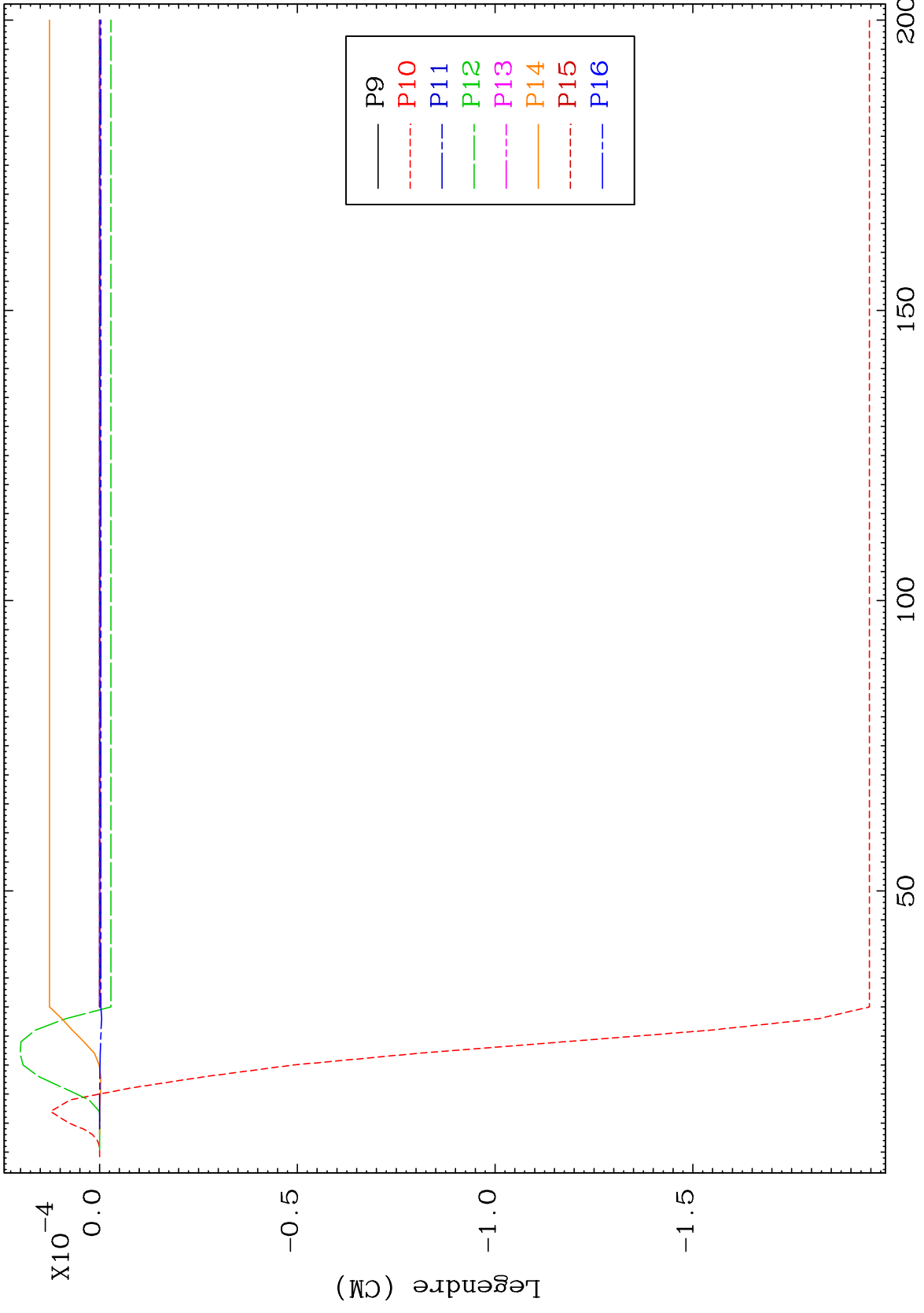
41-Nb-88



78

41-Nb-88

MAT 4110 MT= 72 (n,n') Level Legendre Coefficients 41-Nb-88



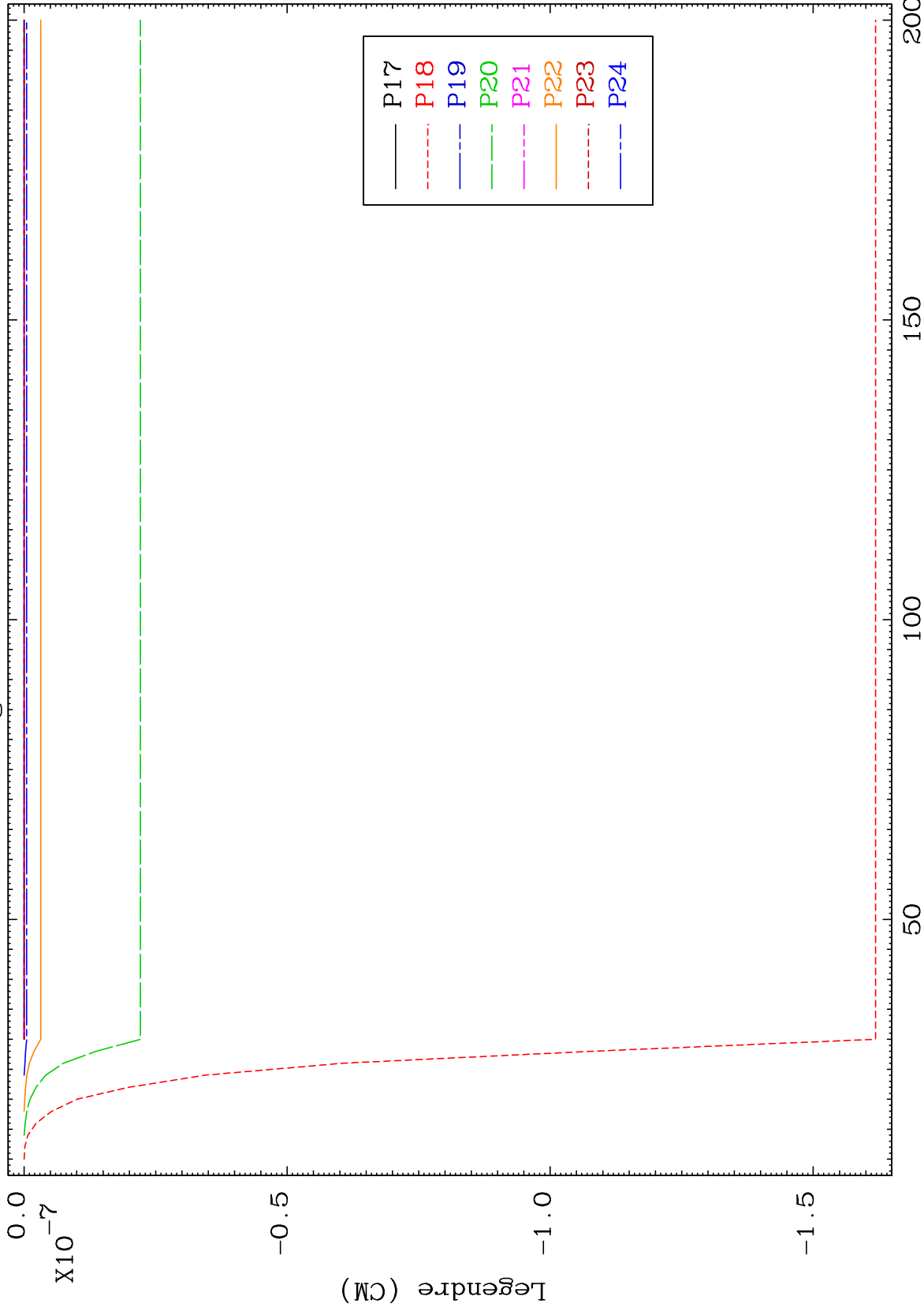
79 41-Nb-88



MAT 4110

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

41-Nb-88



41-Nb-88

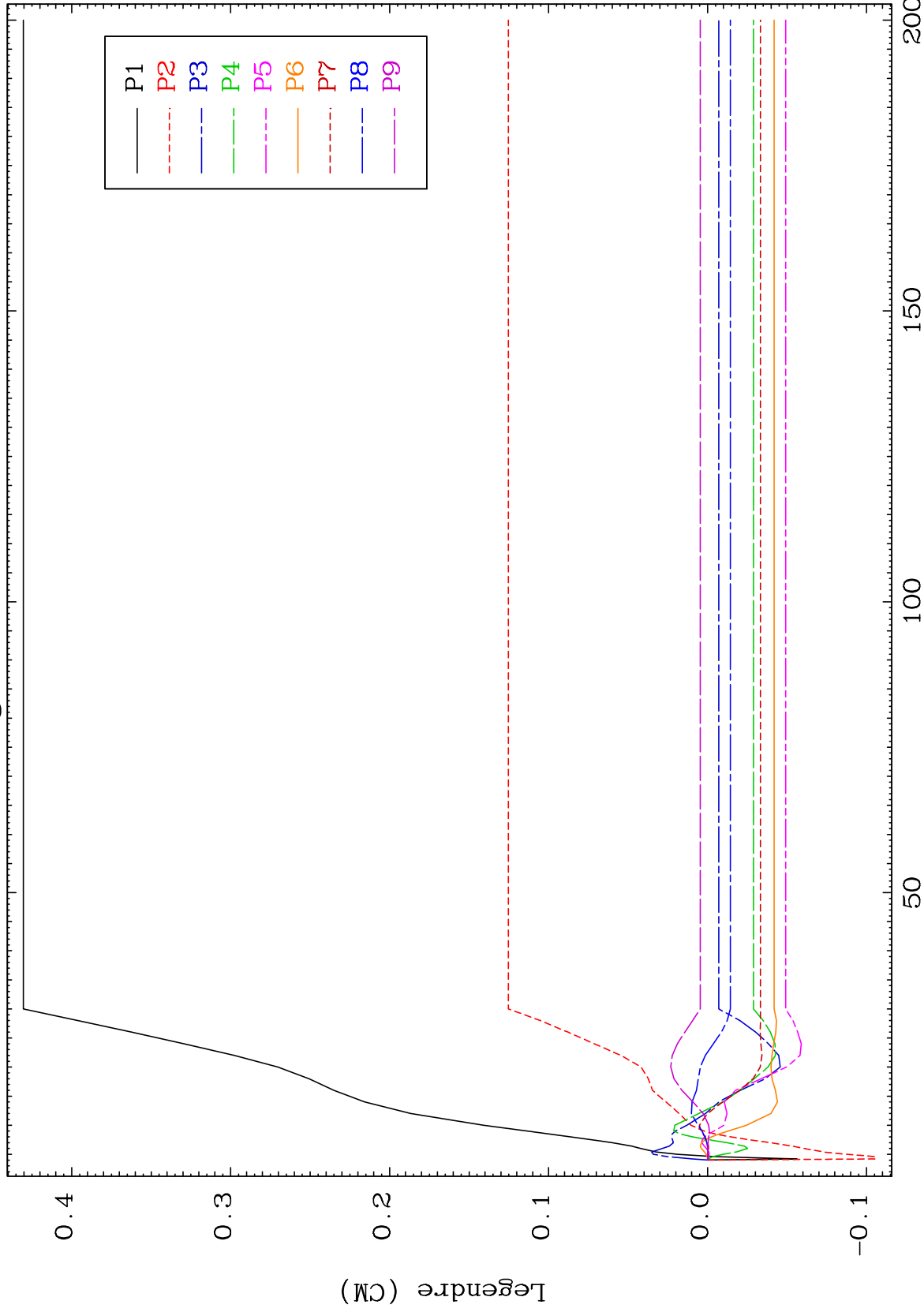
Incident Energy (MeV)

80

MAT 4110

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

41-Nb-88



81

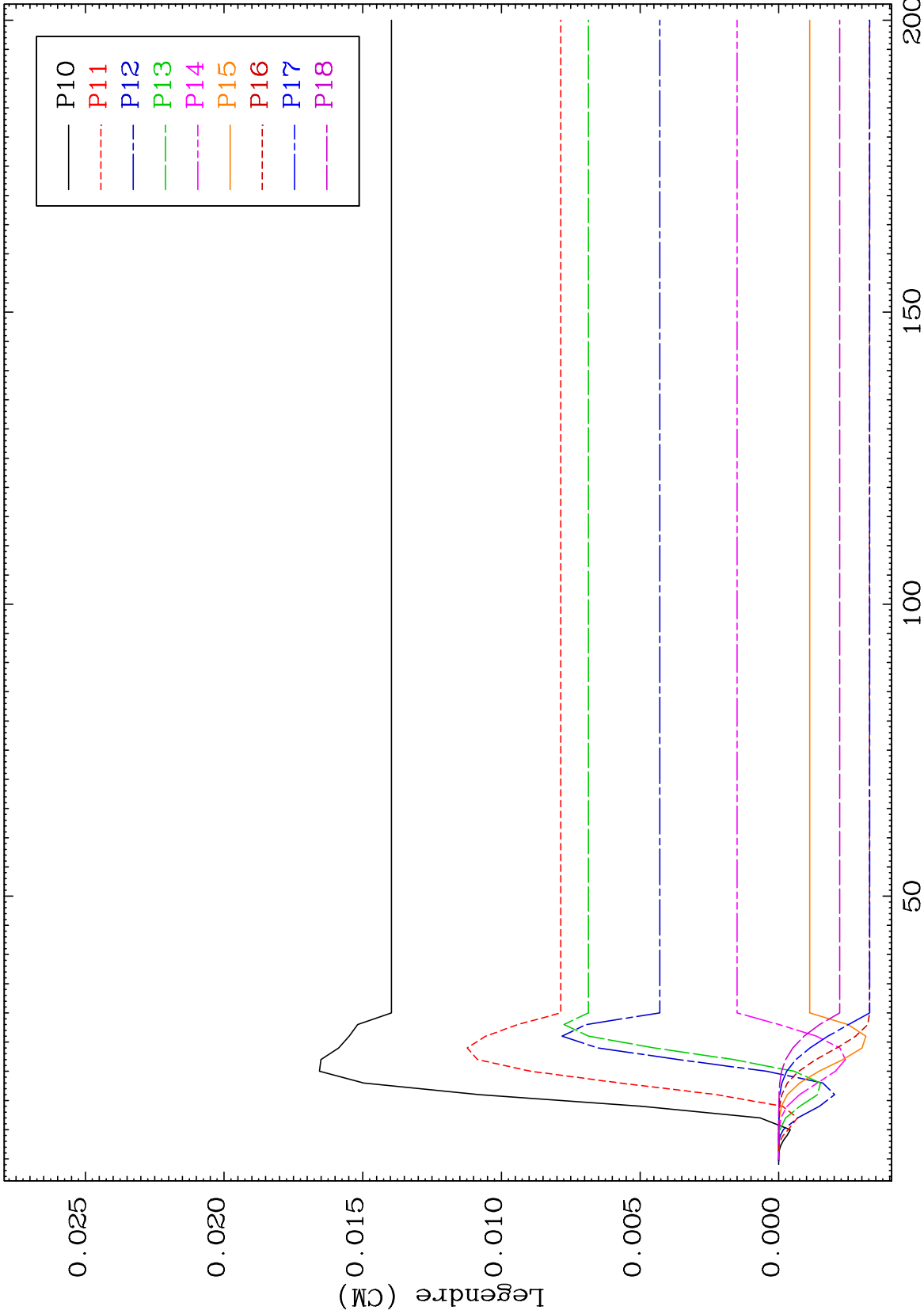
Incident Energy (MeV)

41-Nb-88

MAT 4110

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

41-Nb-88

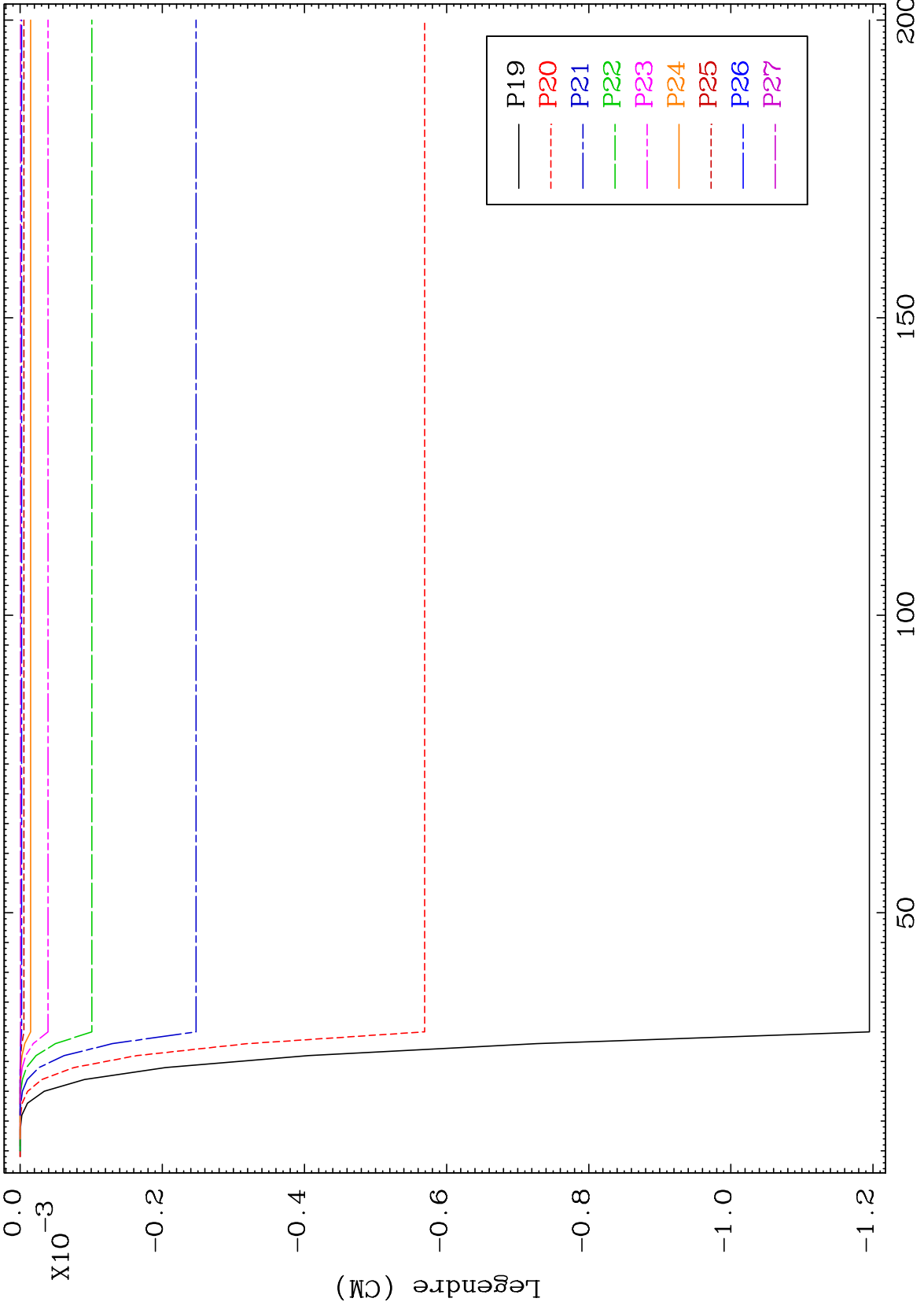


82

Incident Energy (MeV)

41-Nb-88

MAT 4110 MT= 73 (n,n') Level Legendre Coefficients 41-Nb-88

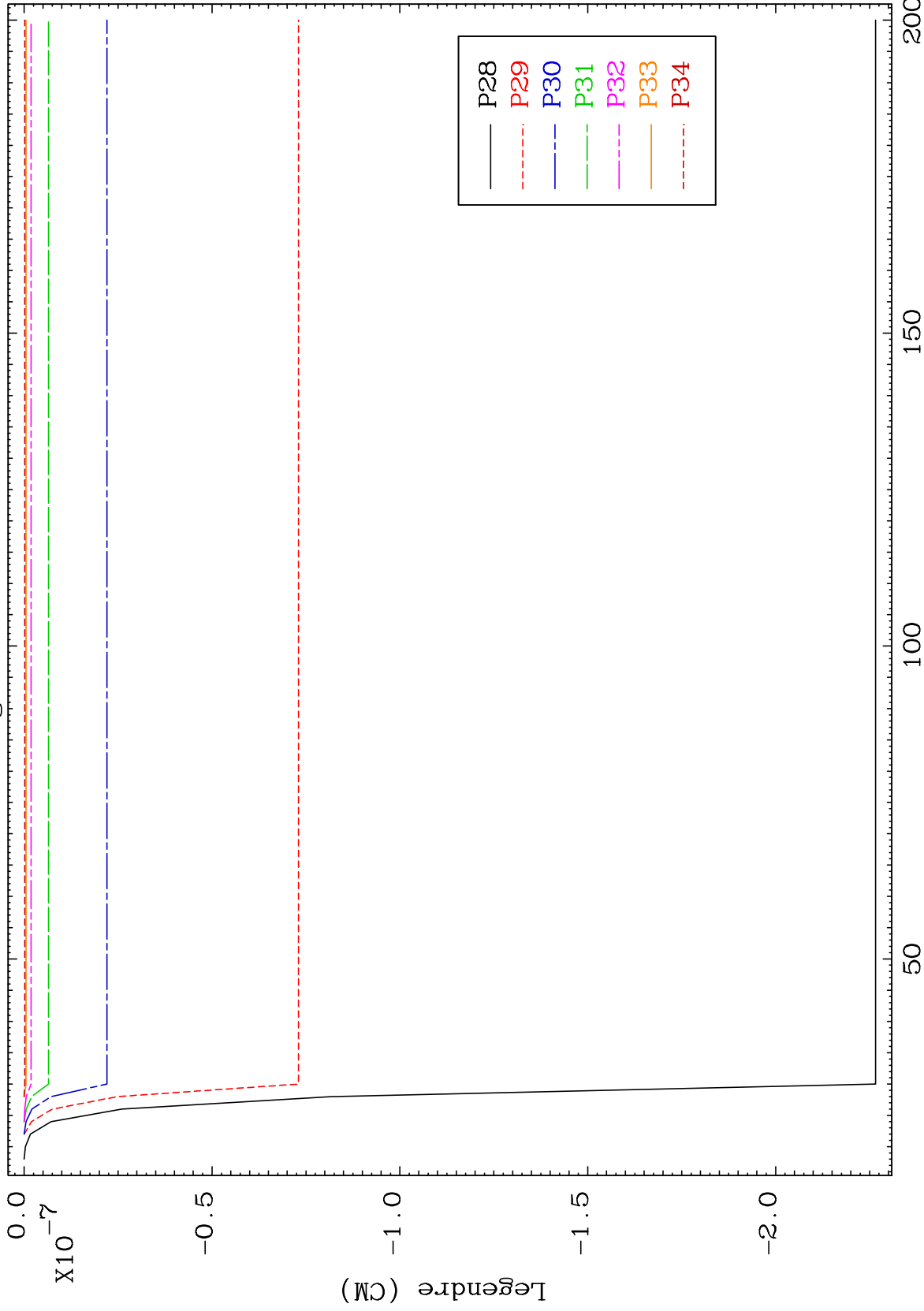


83 41-Nb-88

MAT 4110

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

41-Nb-88



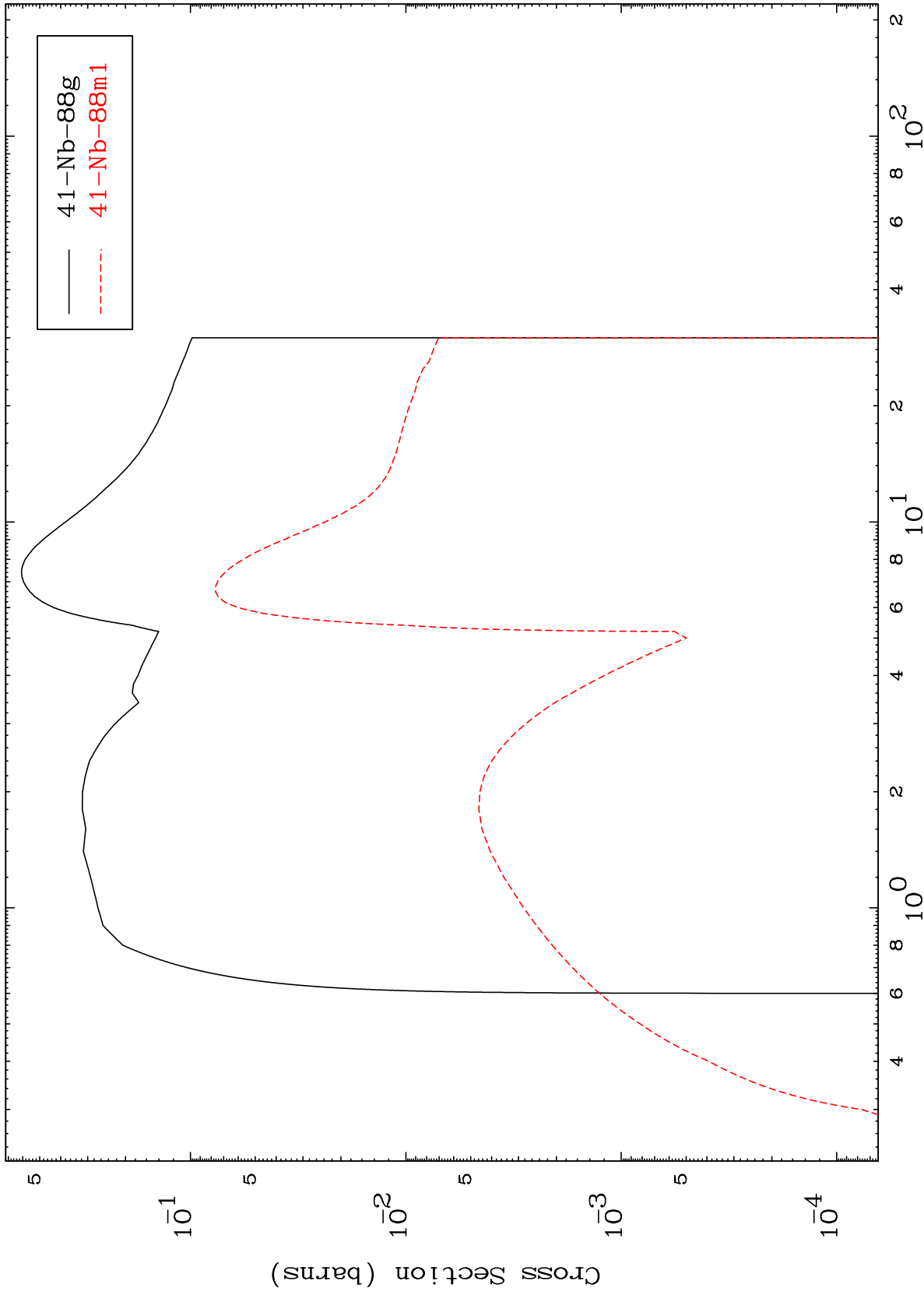
84

41-Nb-88

MAT 4110

41-Nb-88

### Inelastic Radionuclide Production Cross Section



85

Incident Energy (MeV)

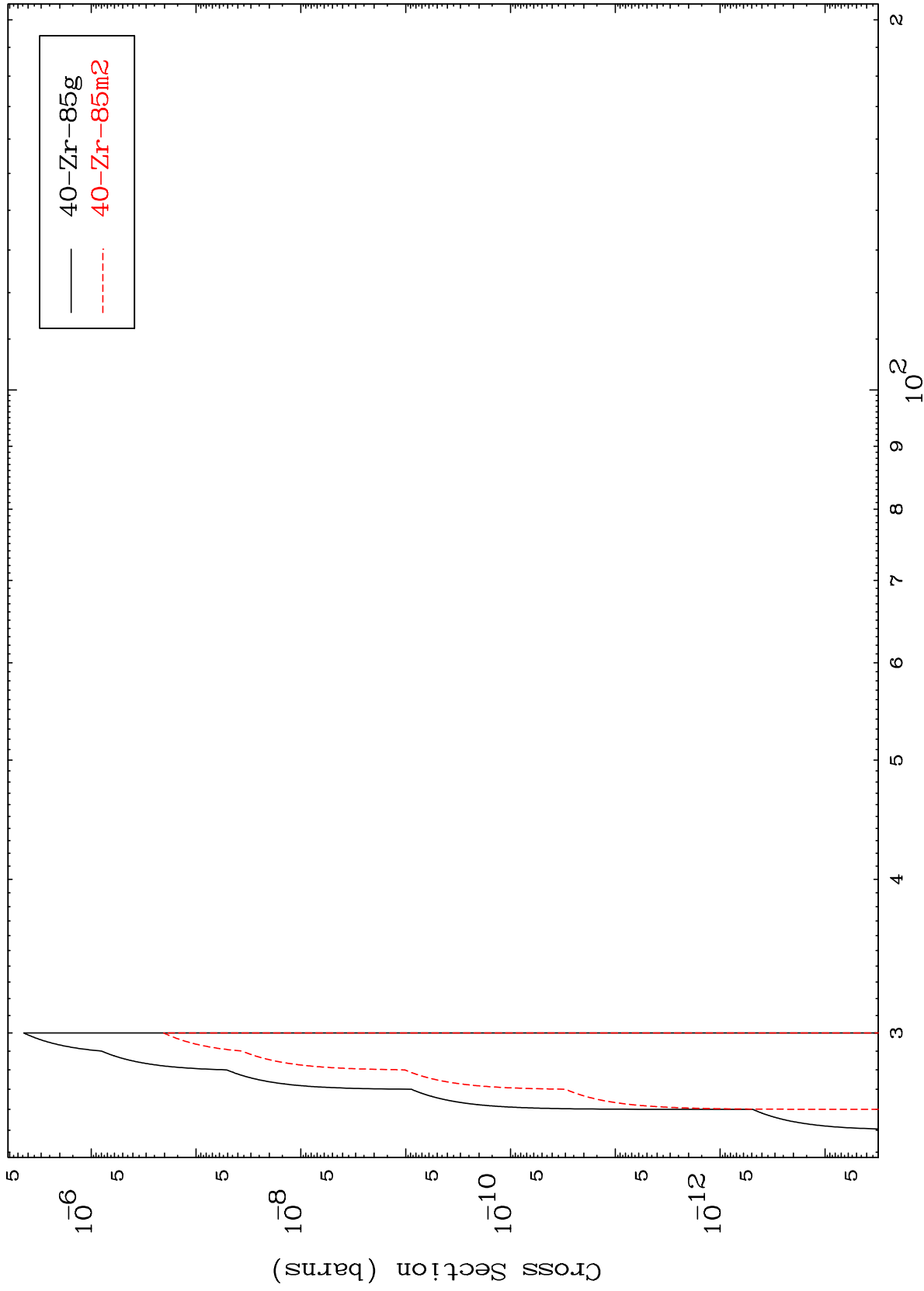
41-Nb-88

MAT 4110

(n,2n) d

41-Nb-88

Radionuclide Production Cross Section



86

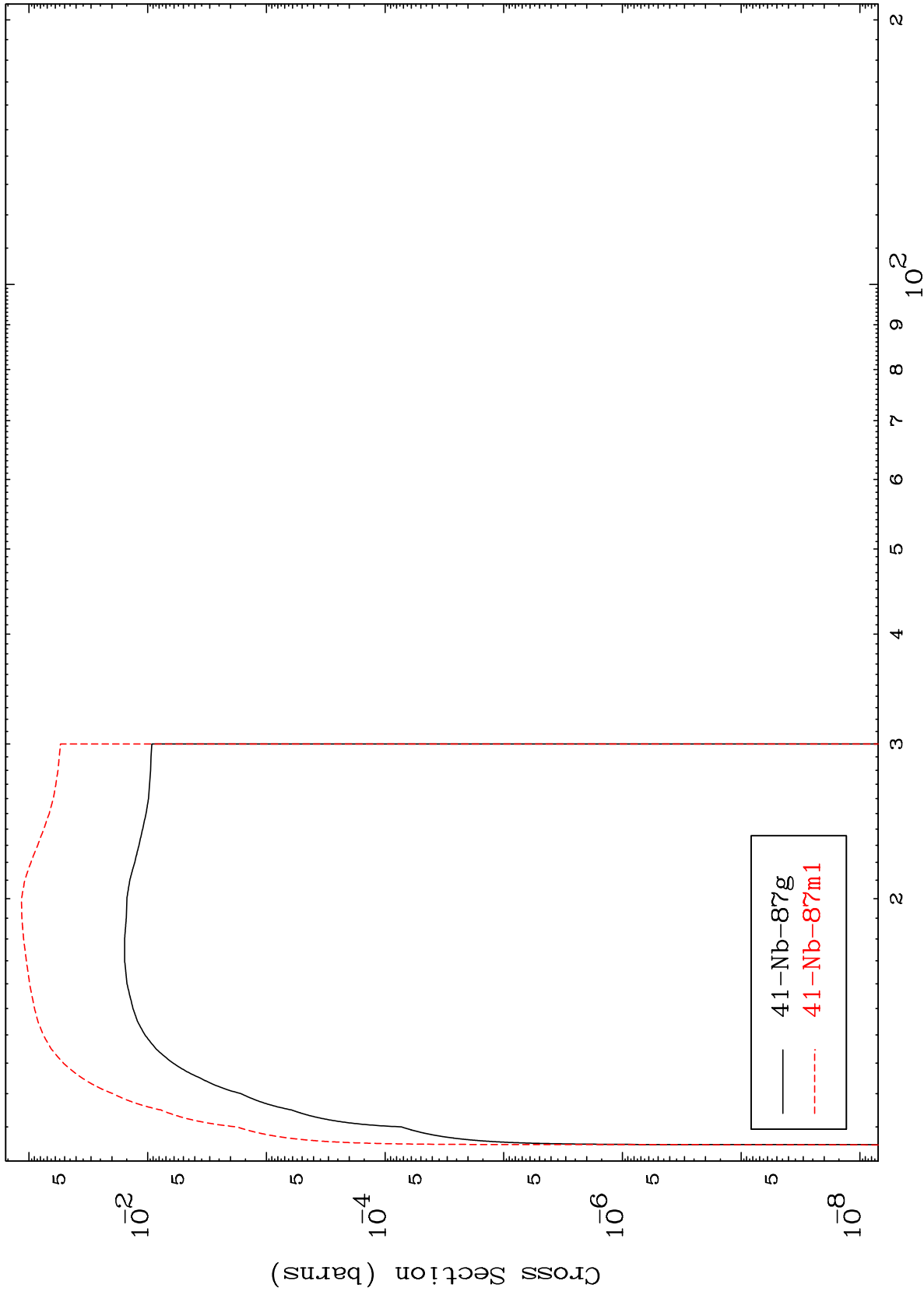
Incident Energy (MeV)

41-Nb-88

MAT 4110

41-Nb-88

(n,2n)  
Radionuclide Production Cross Section



87

41-Nb-88

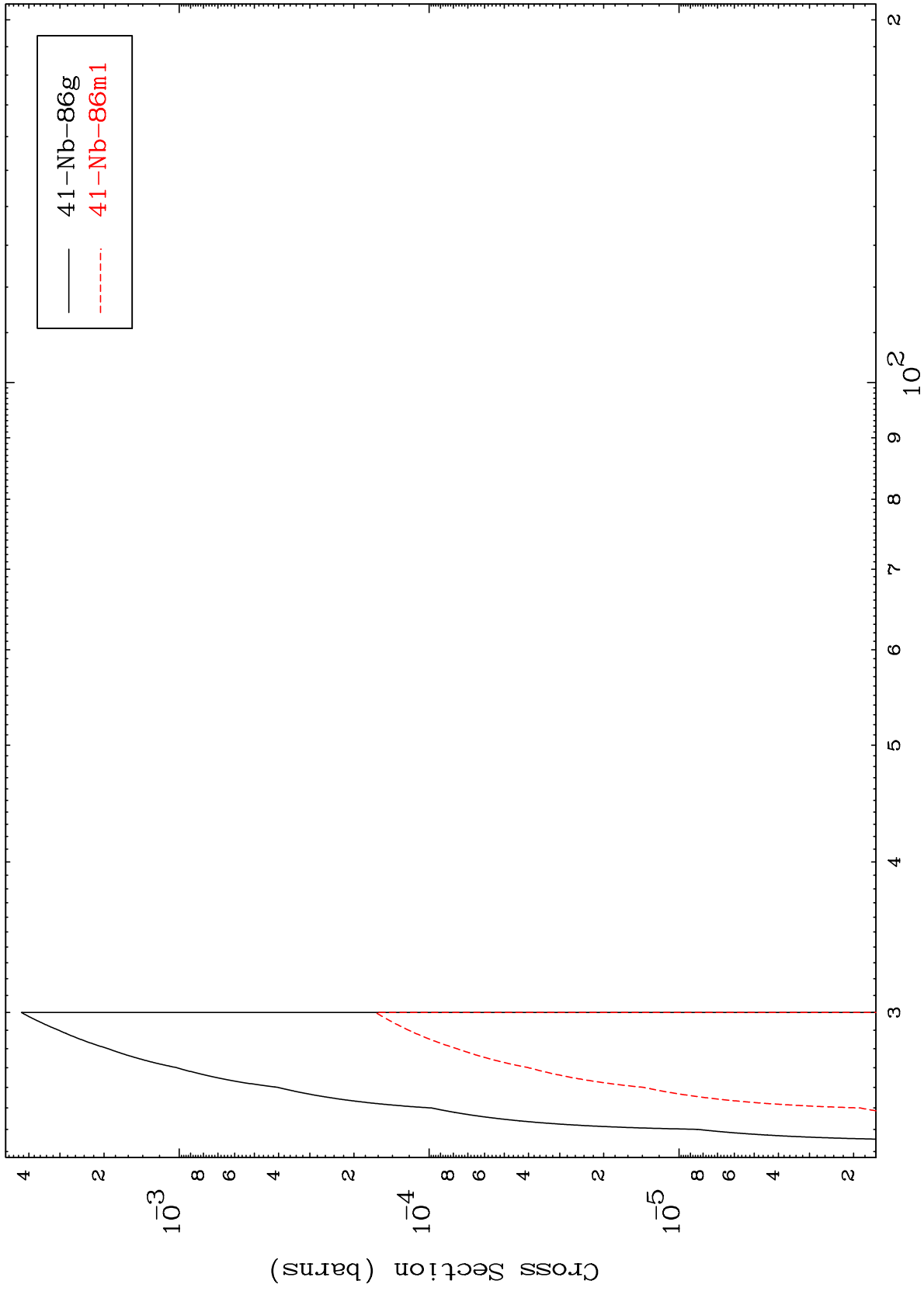


MAT 4110

(n,3n)

41-Nb-88

Radionuclide Production Cross Section



88

Incident Energy (MeV)

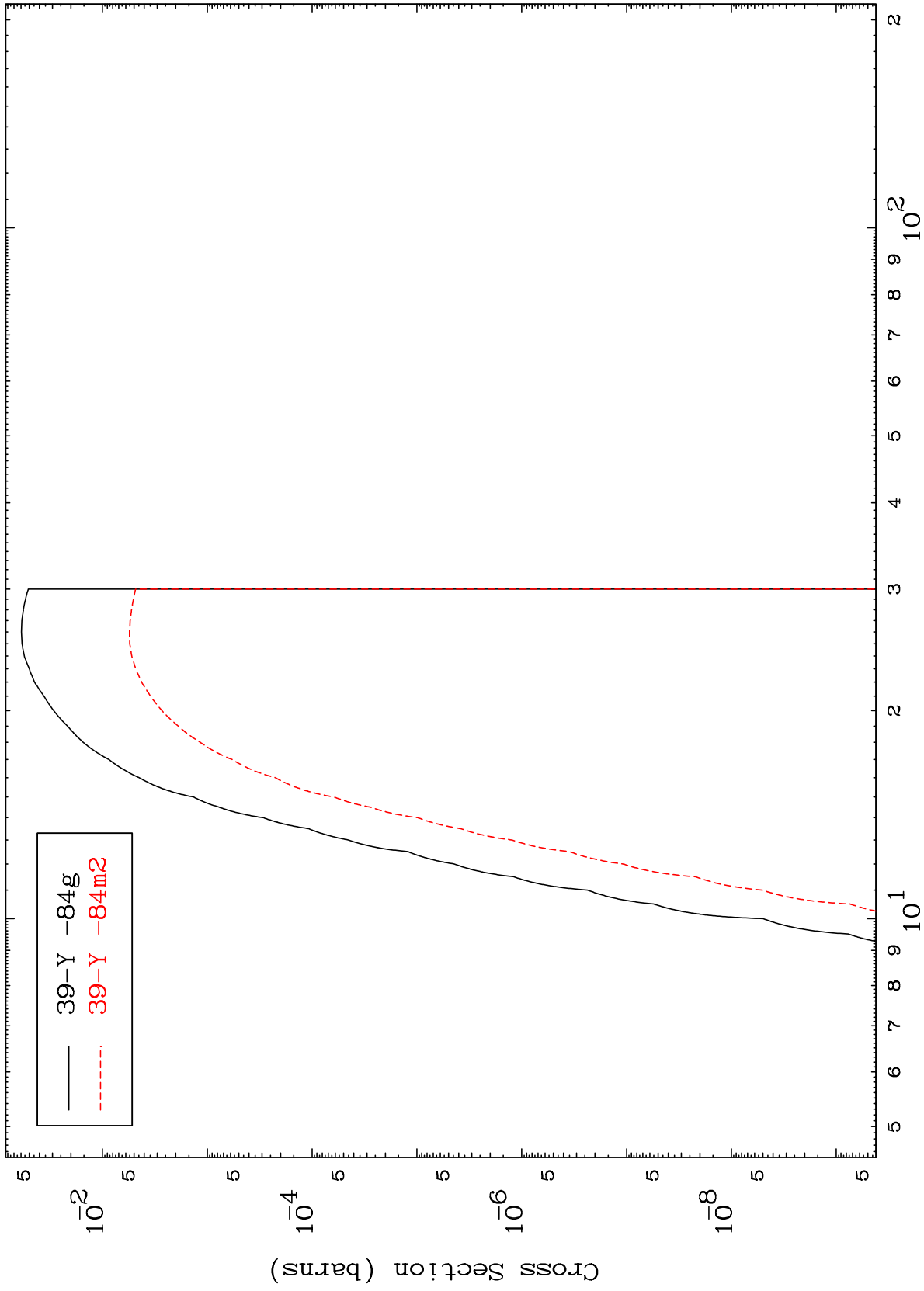
41-Nb-88

MAT 4110

(n,n')  $\alpha$

41-Nb-88

Radionuclide Production Cross Section



89

Incident Energy (MeV)

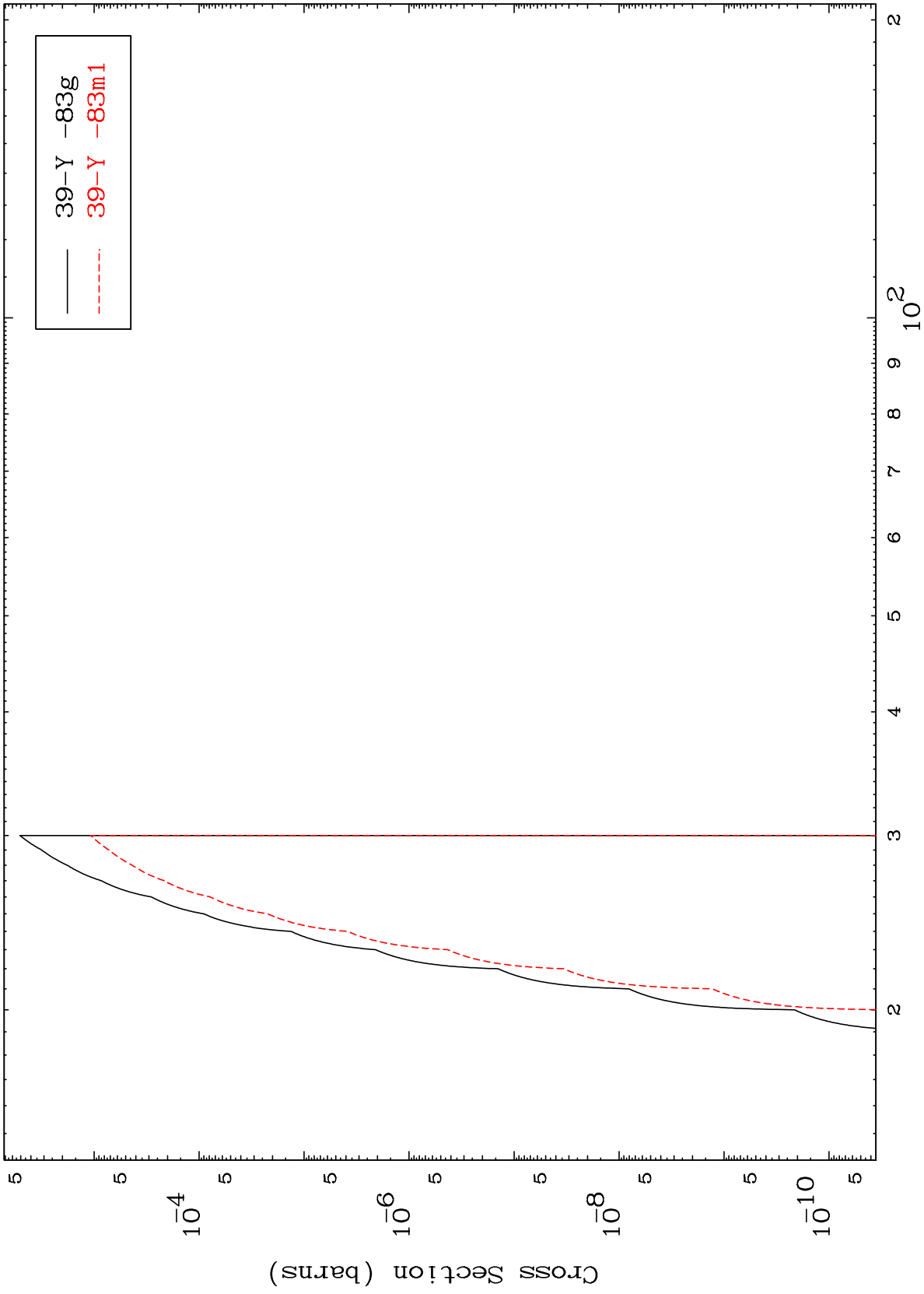
41-Nb-88

MAT 4110

(n,2n)  $\alpha$

41-Nb-88

Radionuclide Production Cross Section



90

Incident Energy (MeV)

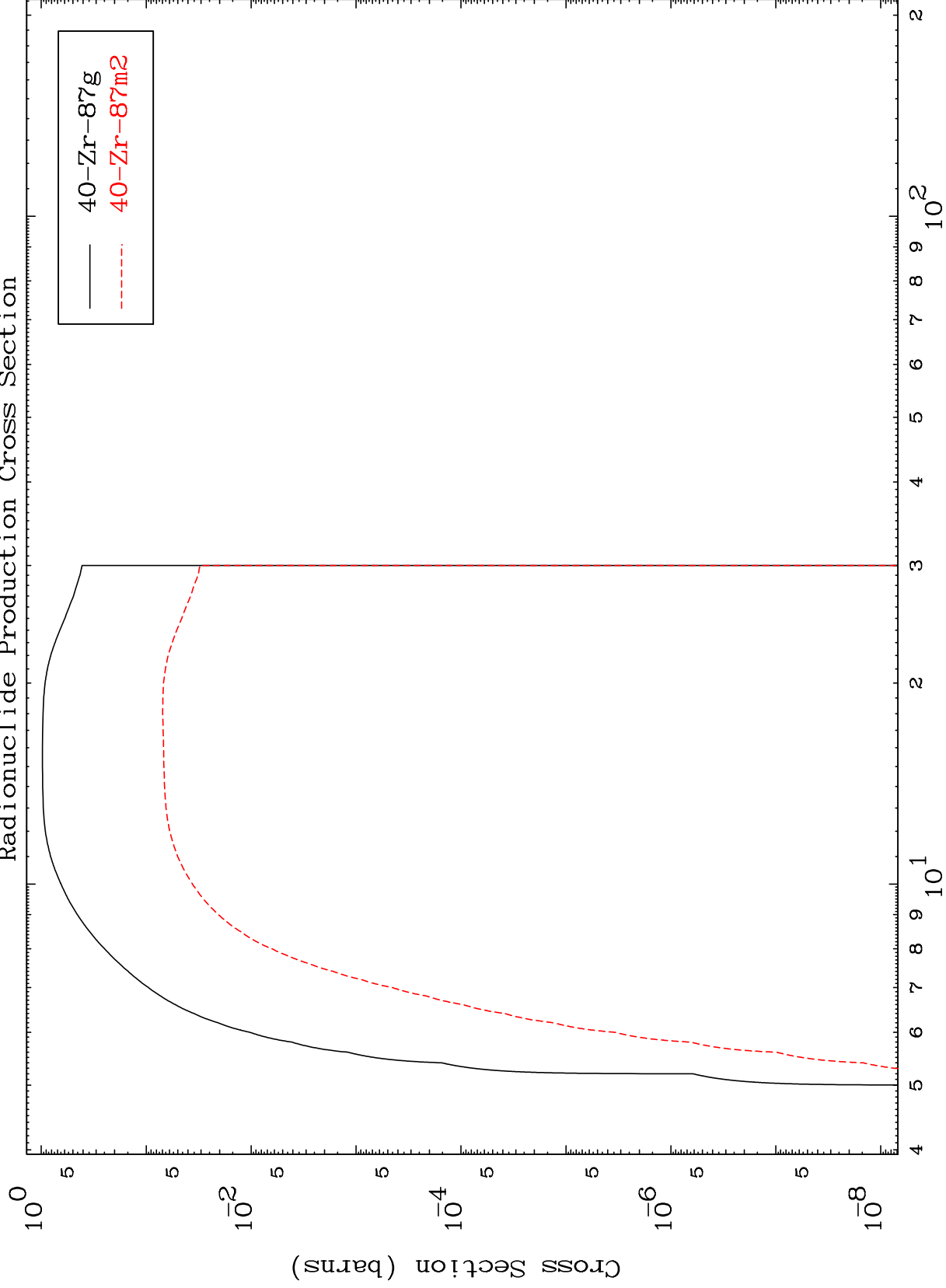
41-Nb-88

MAT 4110

(n,n') p

41-Nb-88

Radionuclide Production Cross Section



91

Incident Energy (MeV)

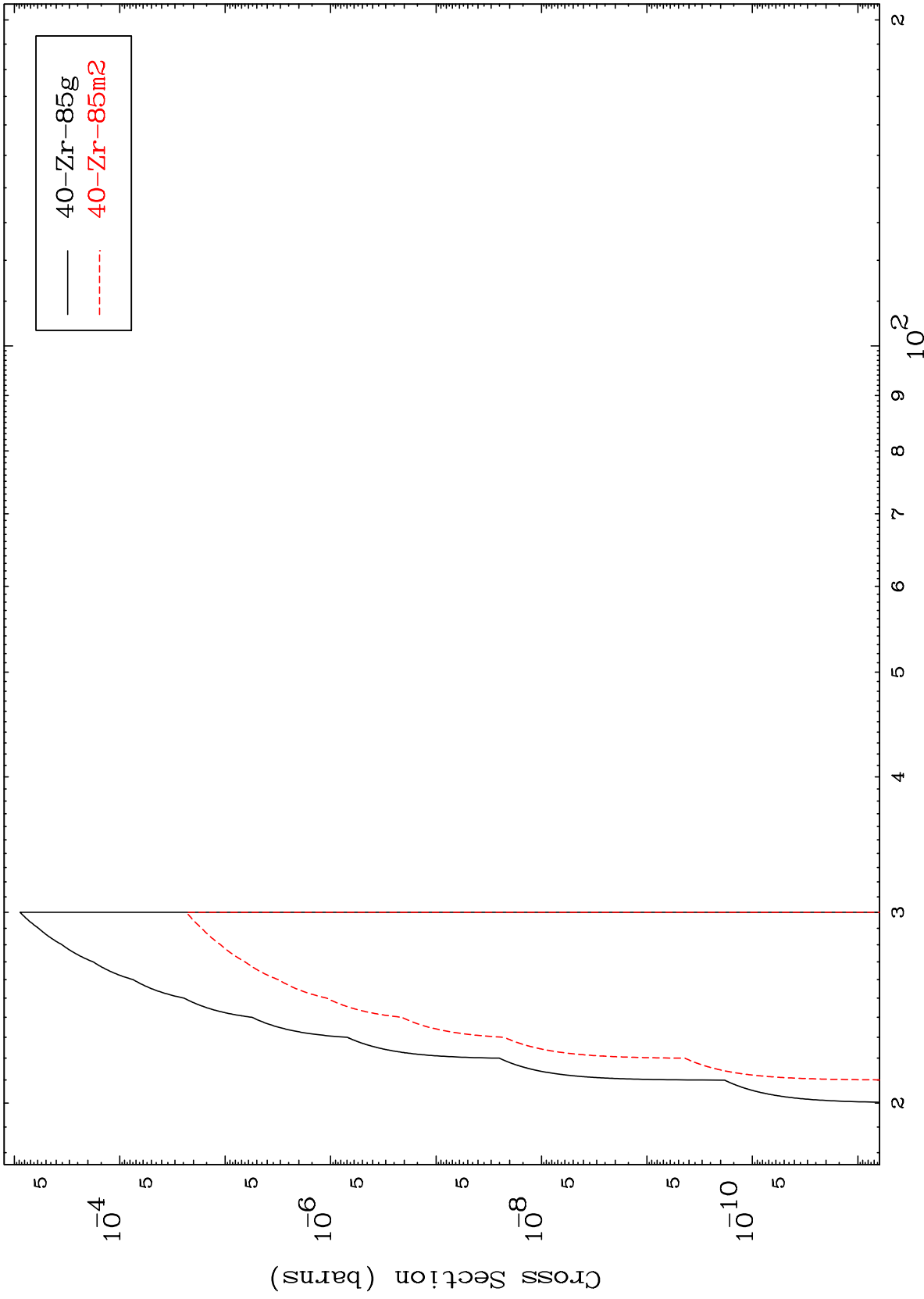
41-Nb-88

MAT 4110

(n,n') t

41-Nb-88

Radionuclide Production Cross Section



92

Incident Energy (MeV)

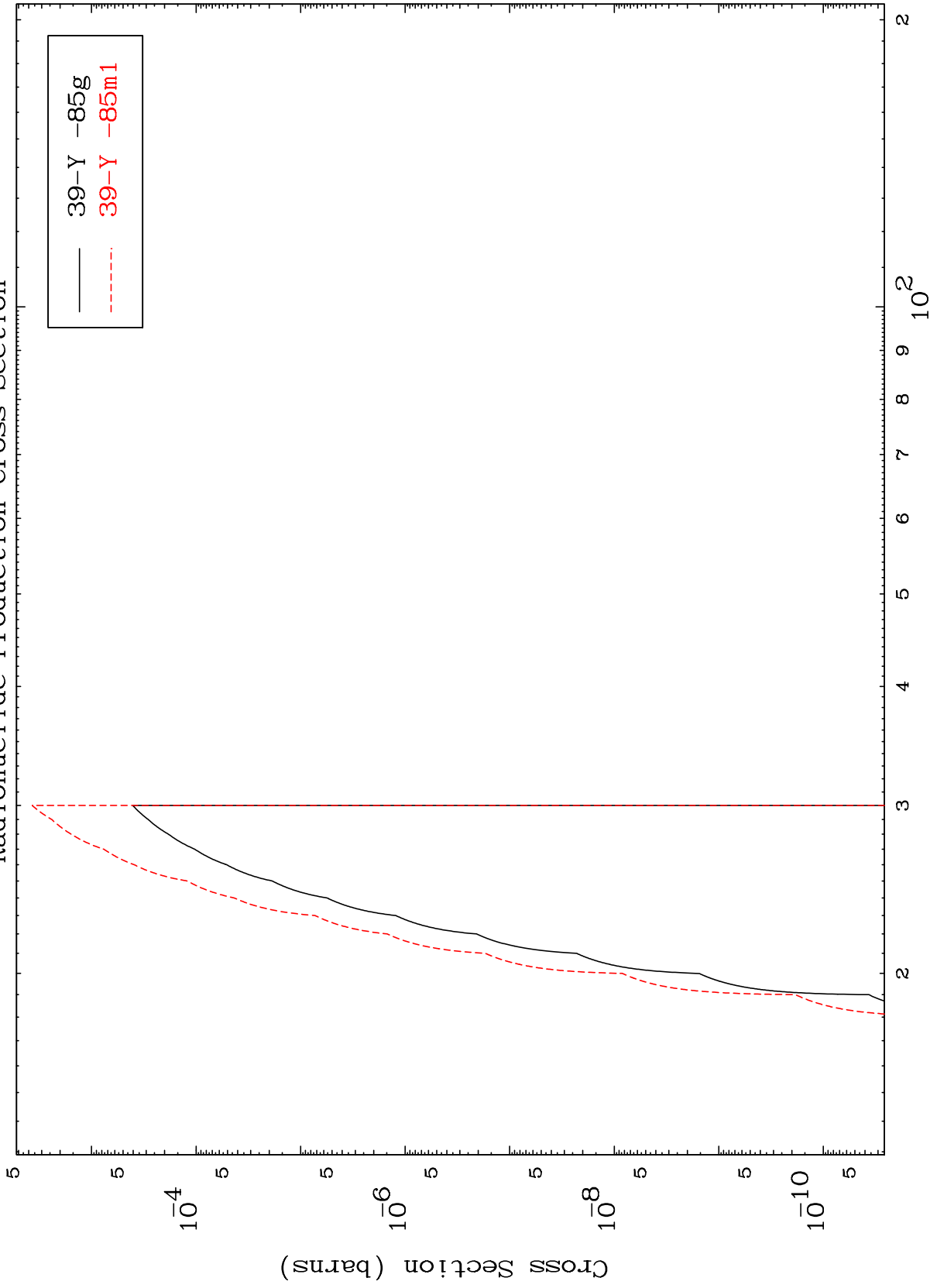
41-Nb-88

MAT 4110

(n, n') He-3

41-Nb-88

Radionuclide Production Cross Section



93

Incident Energy (MeV)

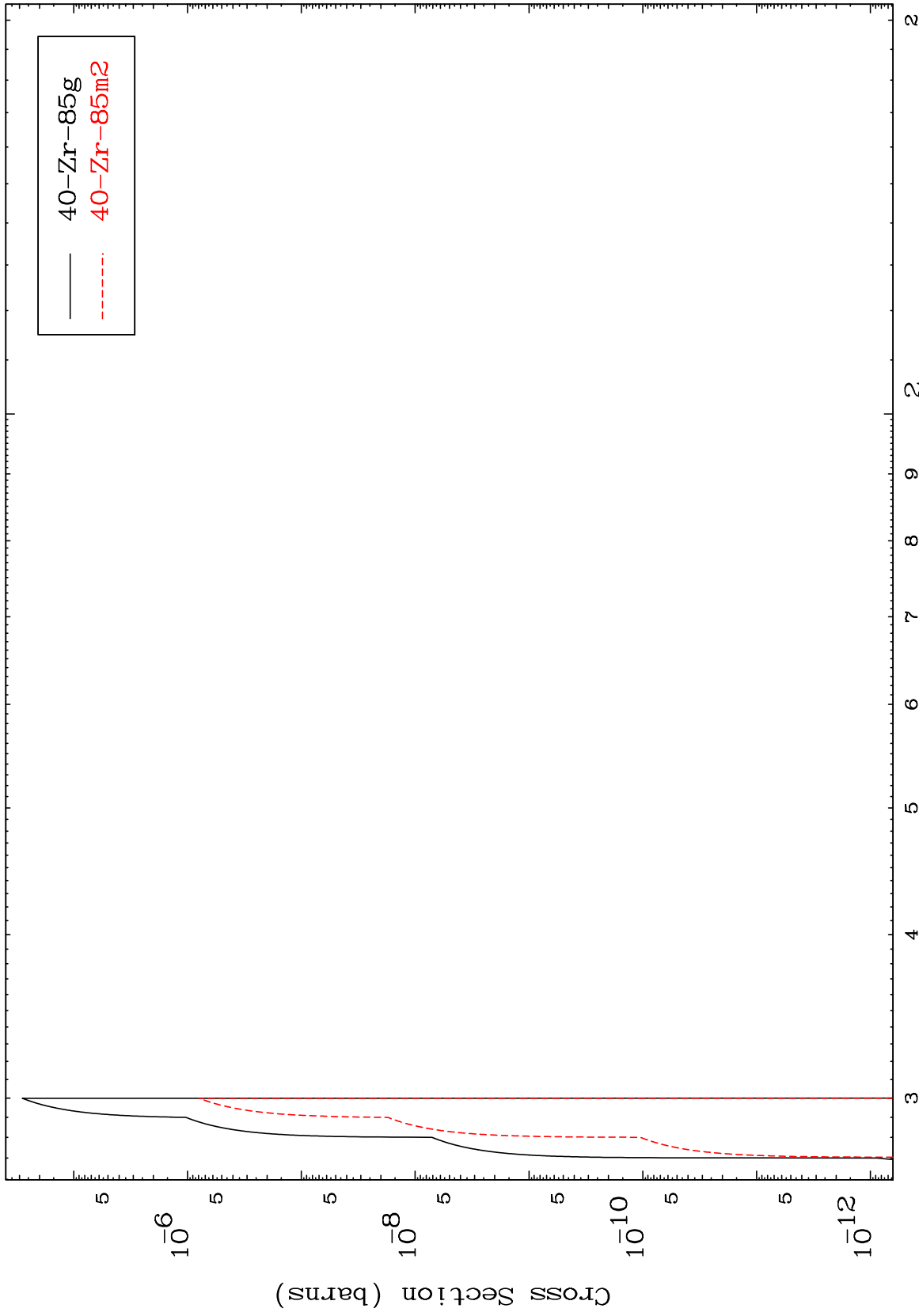
41-Nb-88

MAT 4110

(n,3n) p

41-Nb-88

Radionuclide Production Cross Section



94

Incident Energy (MeV)

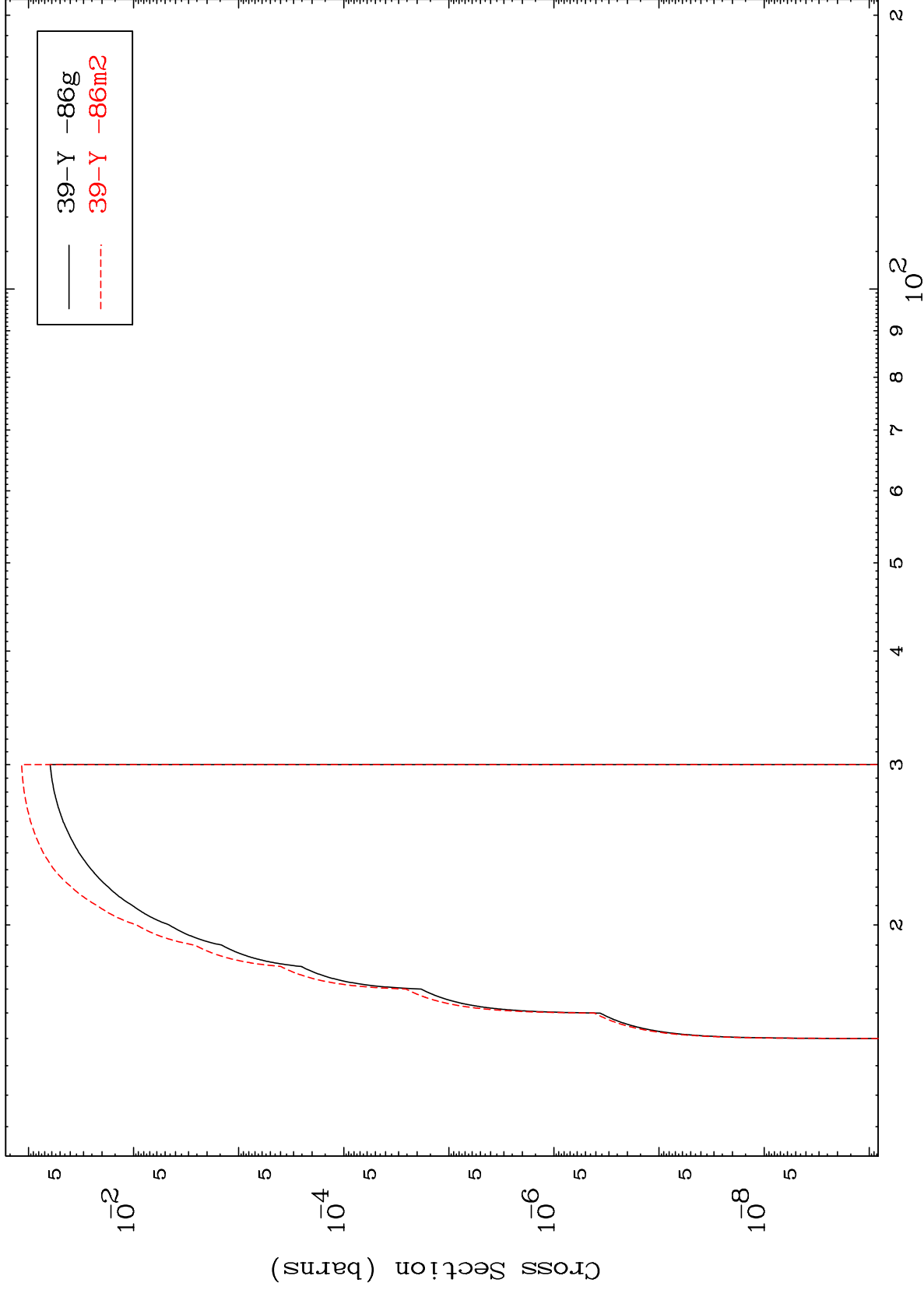
41-Nb-88

MAT 4110

(n,2n) p

41-Nb-88

Radionuclide Production Cross Section



95

Incident Energy (MeV)

41-Nb-88

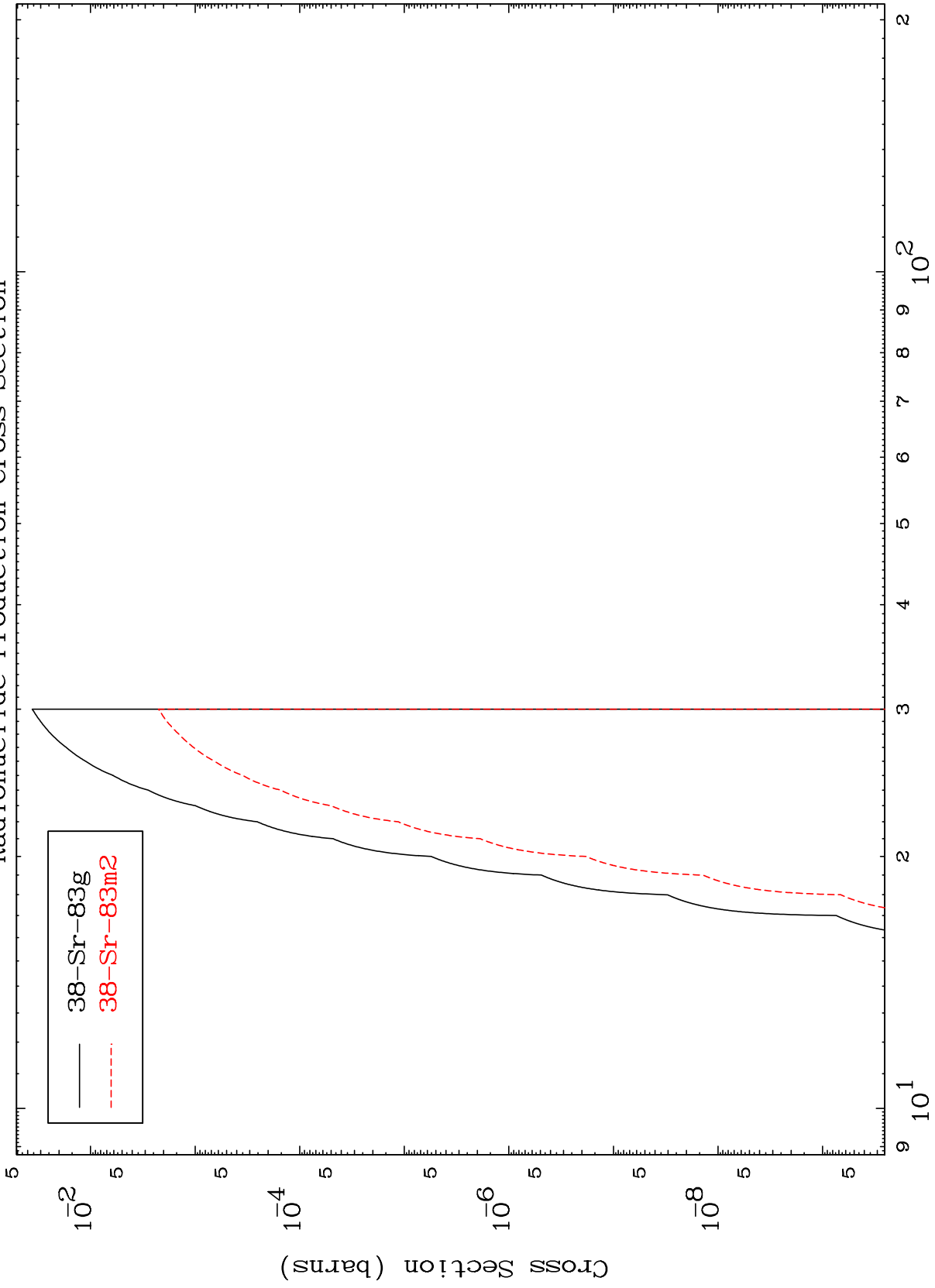


MAT 4110

(n,n') p  $\alpha$

41-Nb-88

Radionuclide Production Cross Section

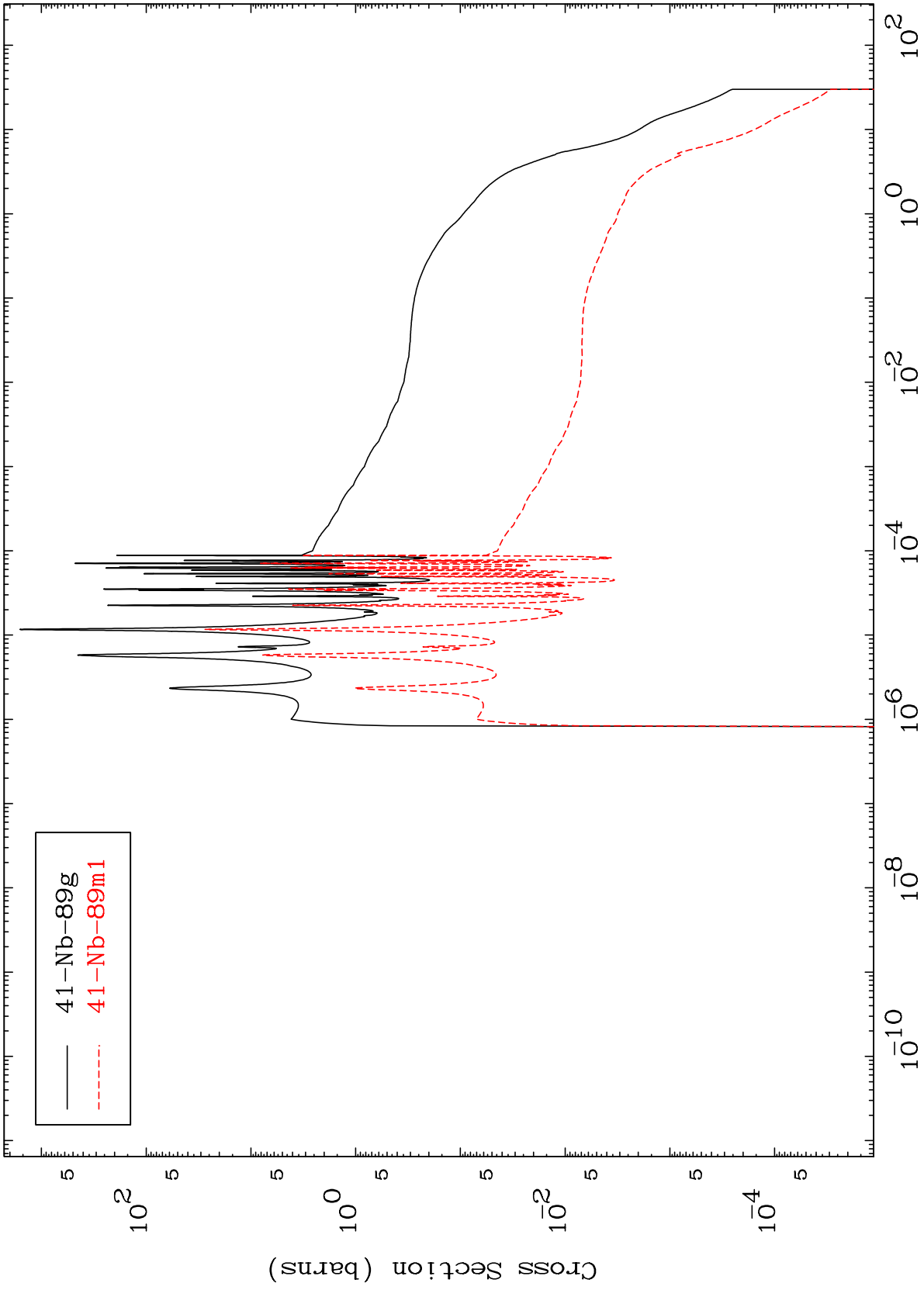


38-Sr-83g  
38-Sr-83m2

MAT 4110

41-Nb-88

Radionuclide Production Cross Section

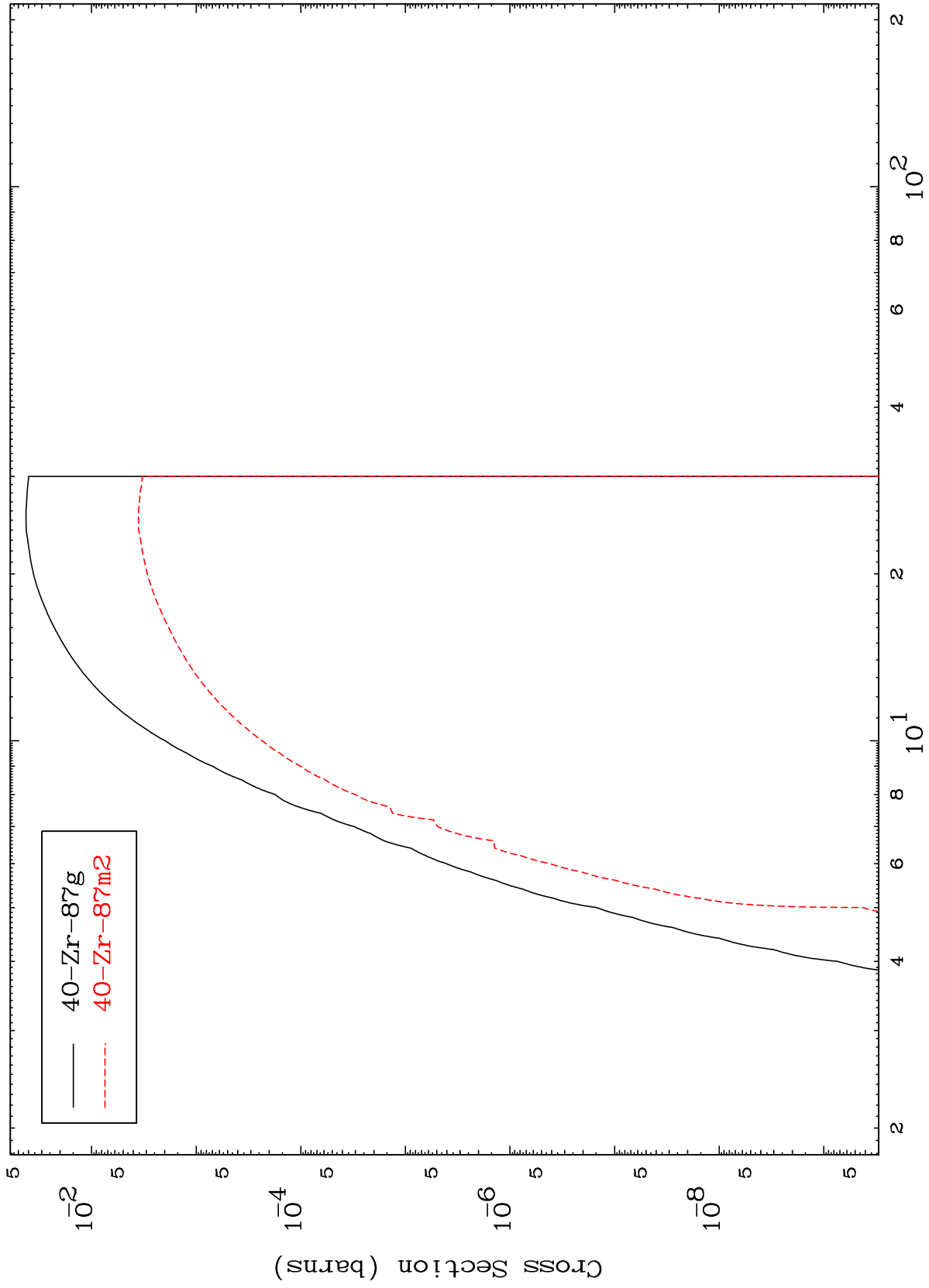


— 41-Nb-88g  
- - - 41-Nb-89m1

MAT 4110

Radionuclide Production Cross Section  
(n,d)

41-Nb-88



98

Incident Energy (MeV)

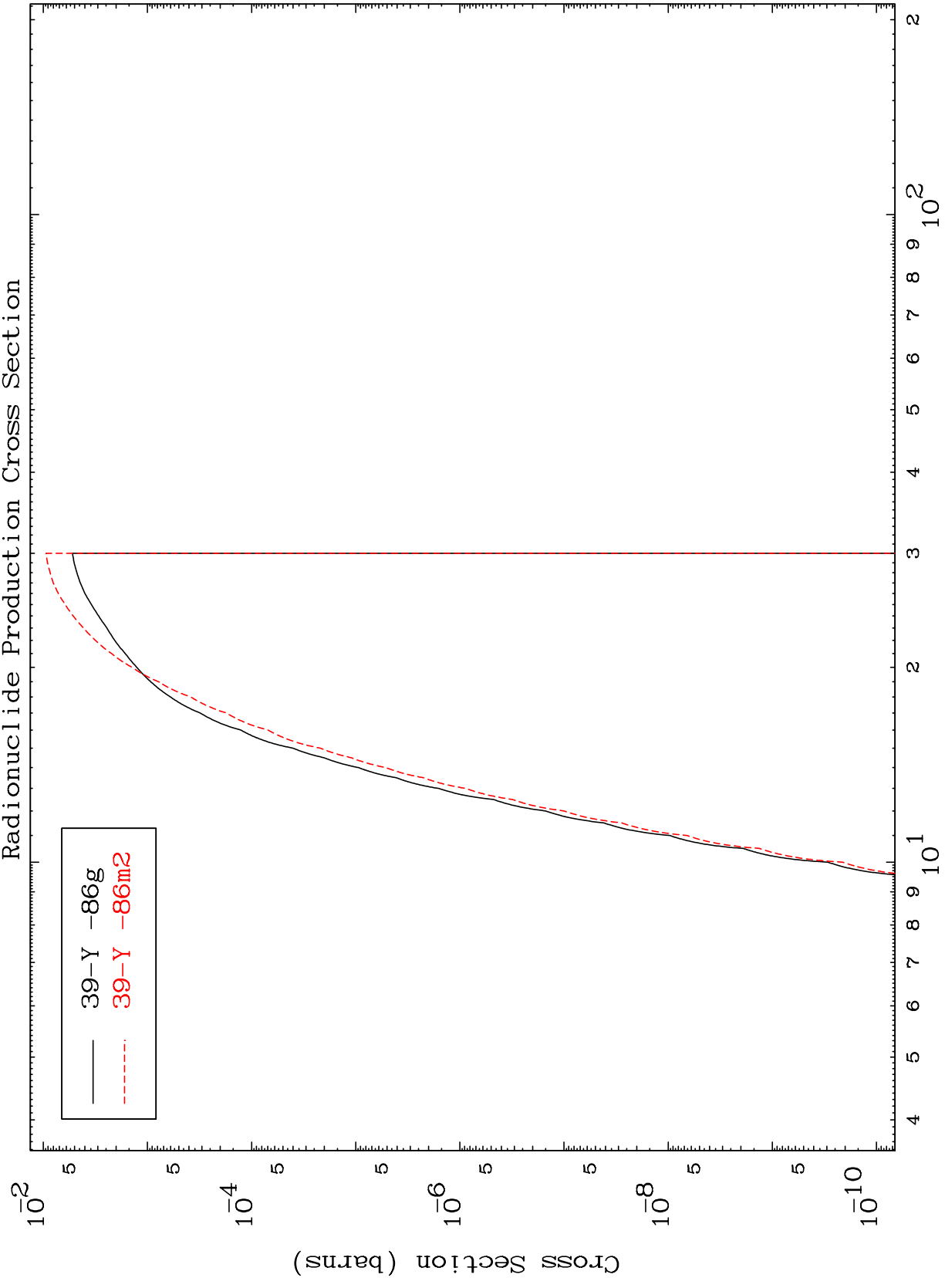
41-Nb-88

MAT 4110

(n, He-3)

41-Nb-88

Radionuclide Production Cross Section



99

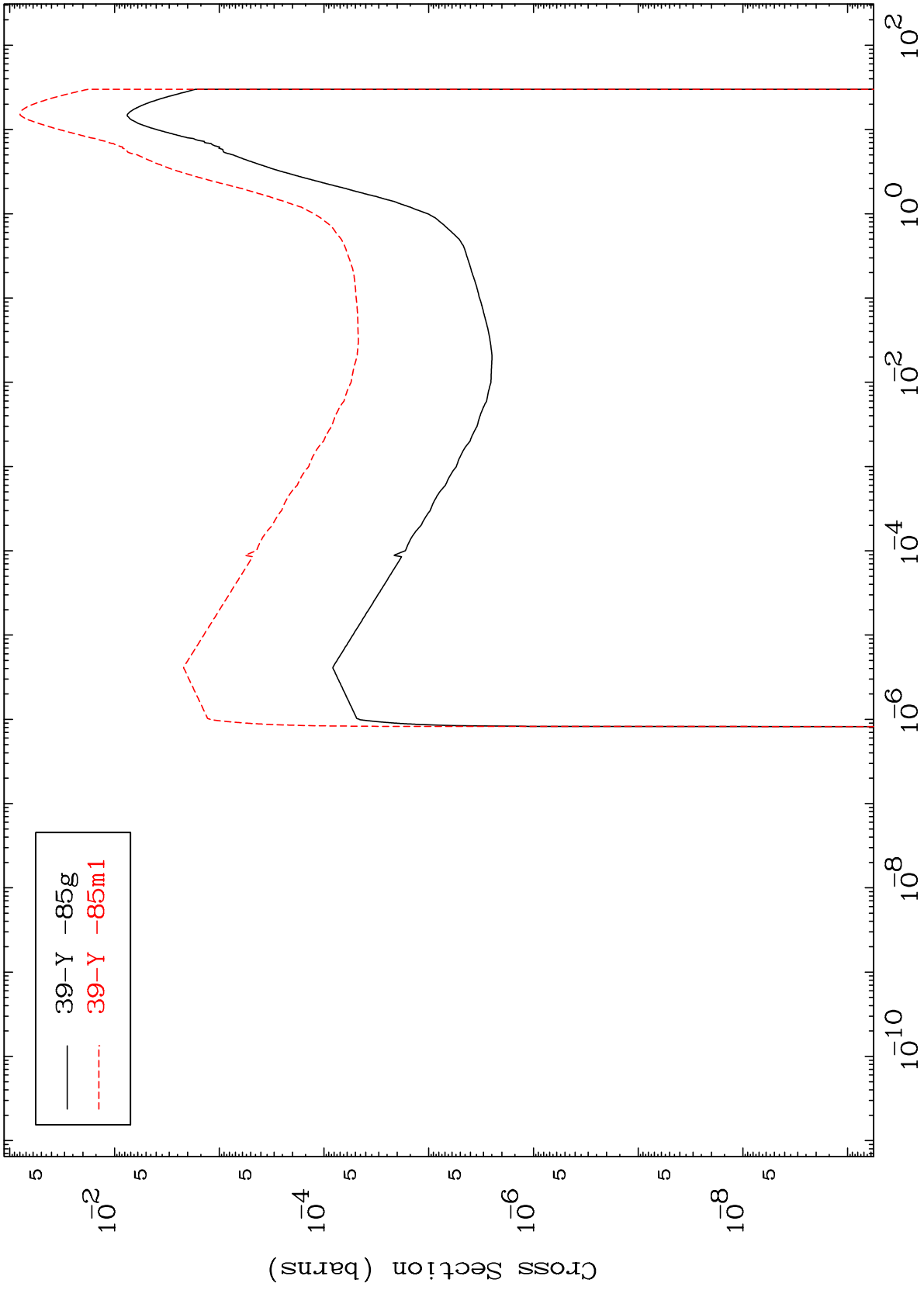
Incident Energy (MeV)

41-Nb-88

MAT 4110

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

41-Nb-88



— 39-Y -85g  
- - - 39-Y -85m1

100

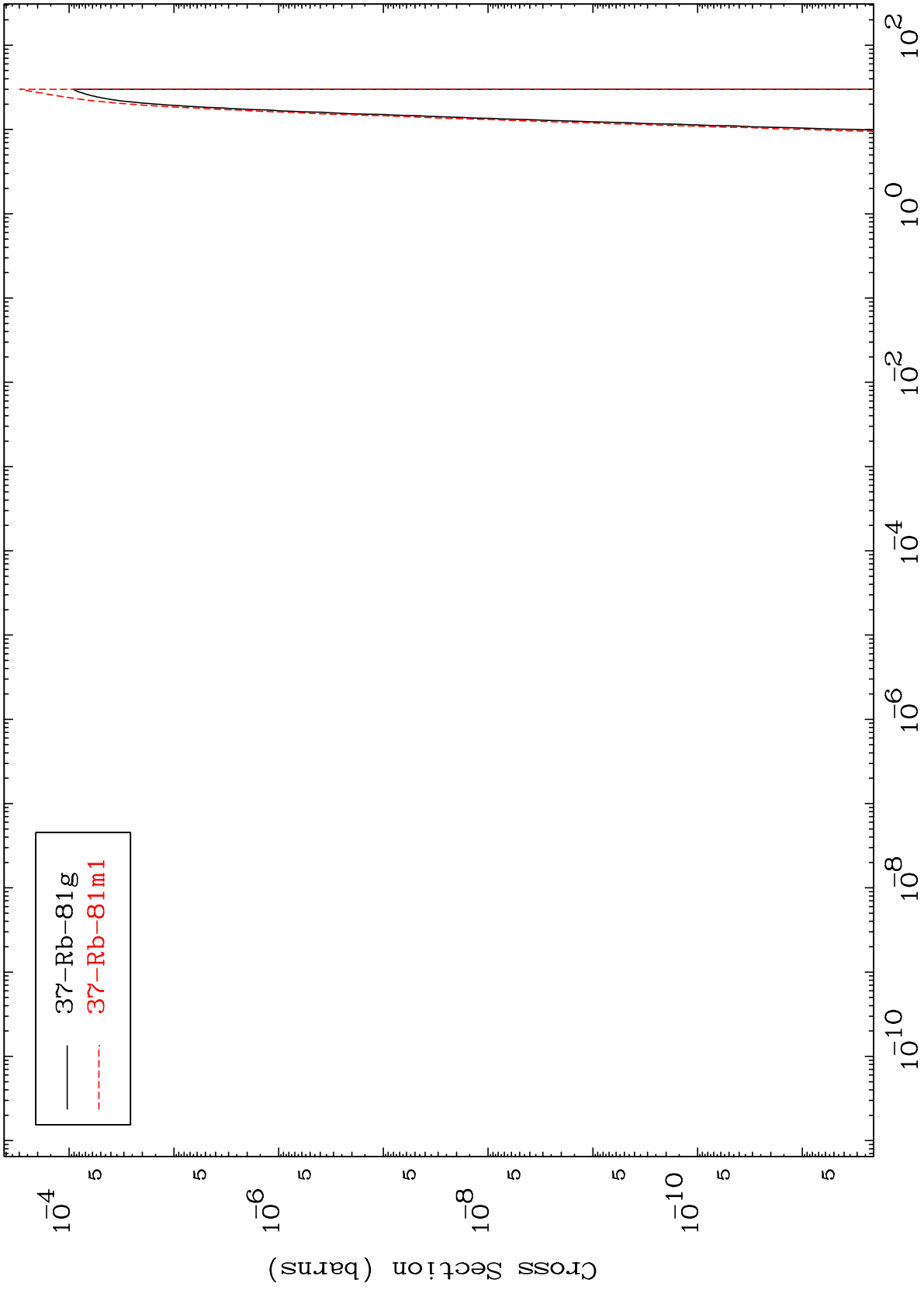
Incident Energy (MeV)

41-Nb-88

MAT 4110

Radionuclide Production Cross Section  
(n,2α)

41-Nb-88



101

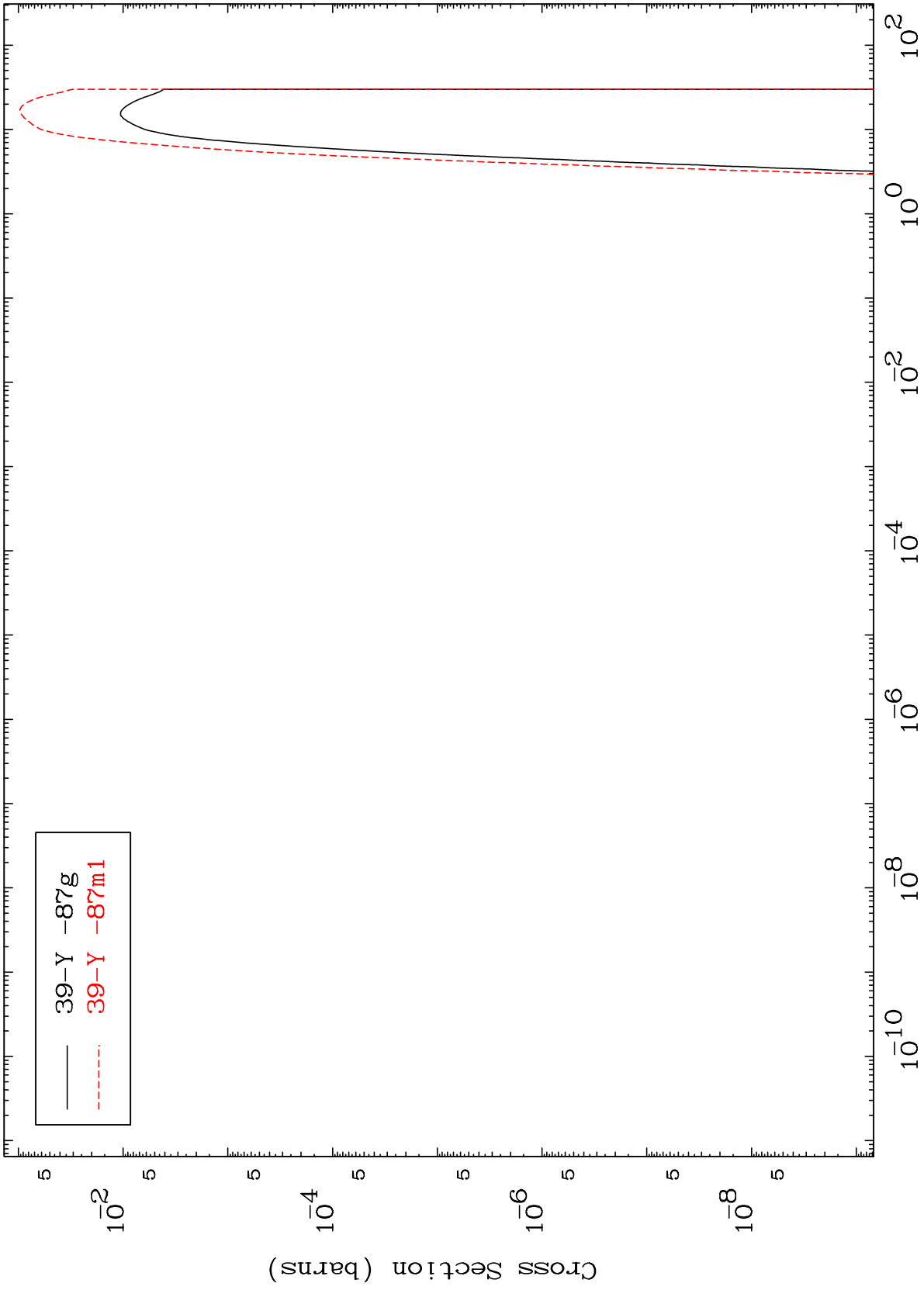
Incident Energy (MeV)

41-Nb-88

MAT 4110

Radionuclide Production Cross Section  
(n,2p)

41-Nb-88



102

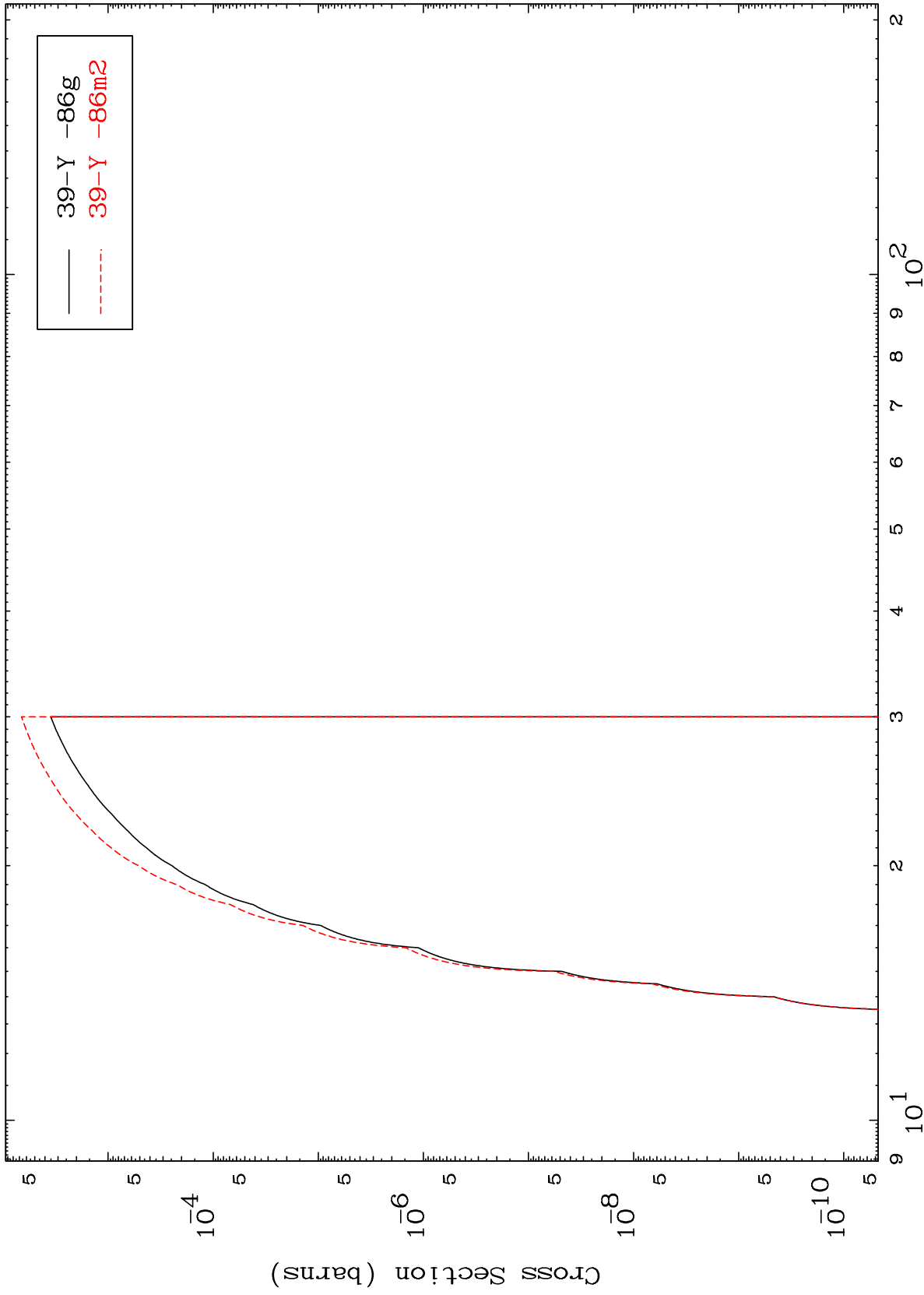
41-Nb-88

MAT 4110

(n,p) d

41-Nb-88

Radionuclide Production Cross Section



103

Incident Energy (MeV)

41-Nb-88

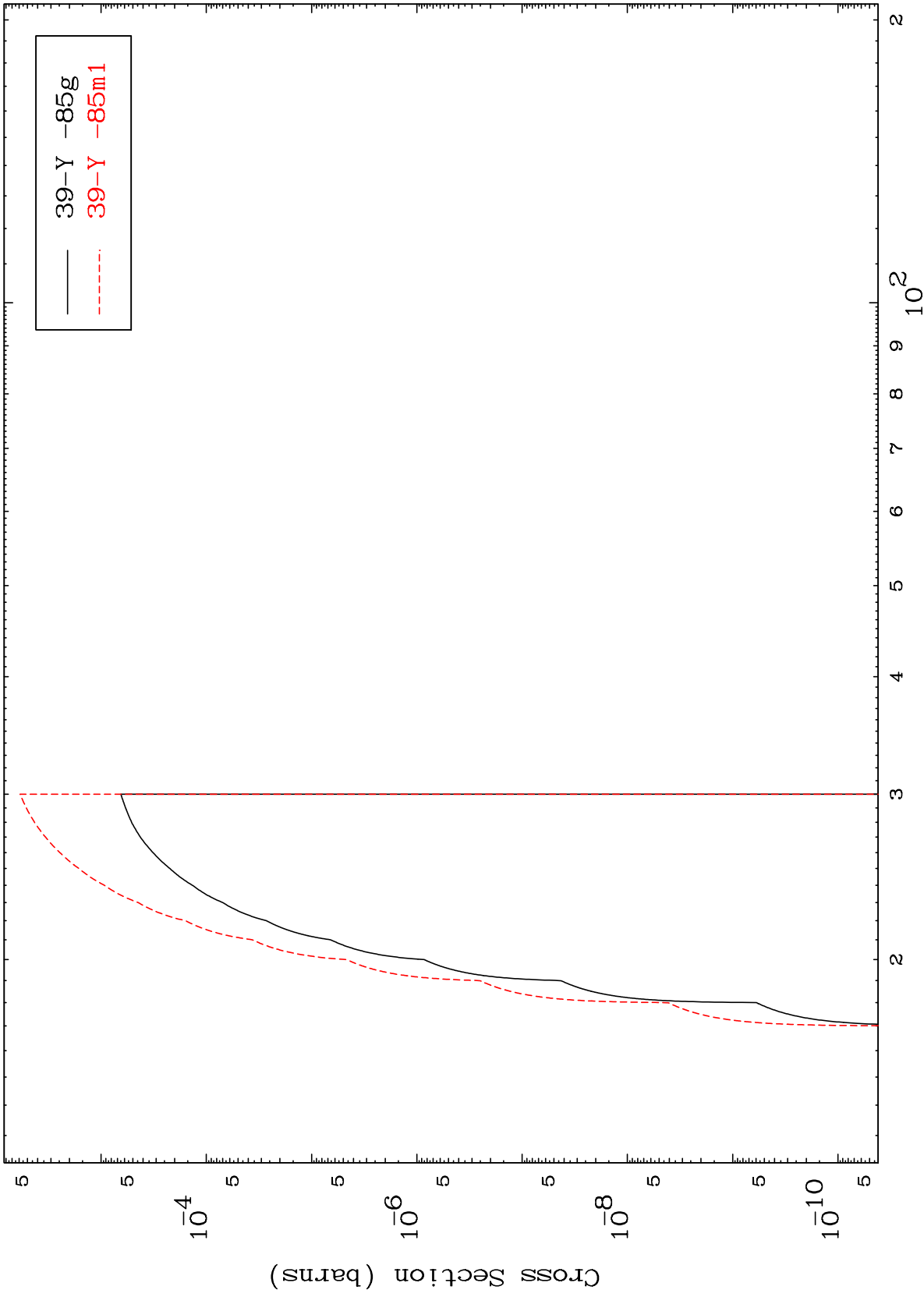


MAT 4110

(n,p) t

41-Nb-88

Radionuclide Production Cross Section



104

Incident Energy (MeV)

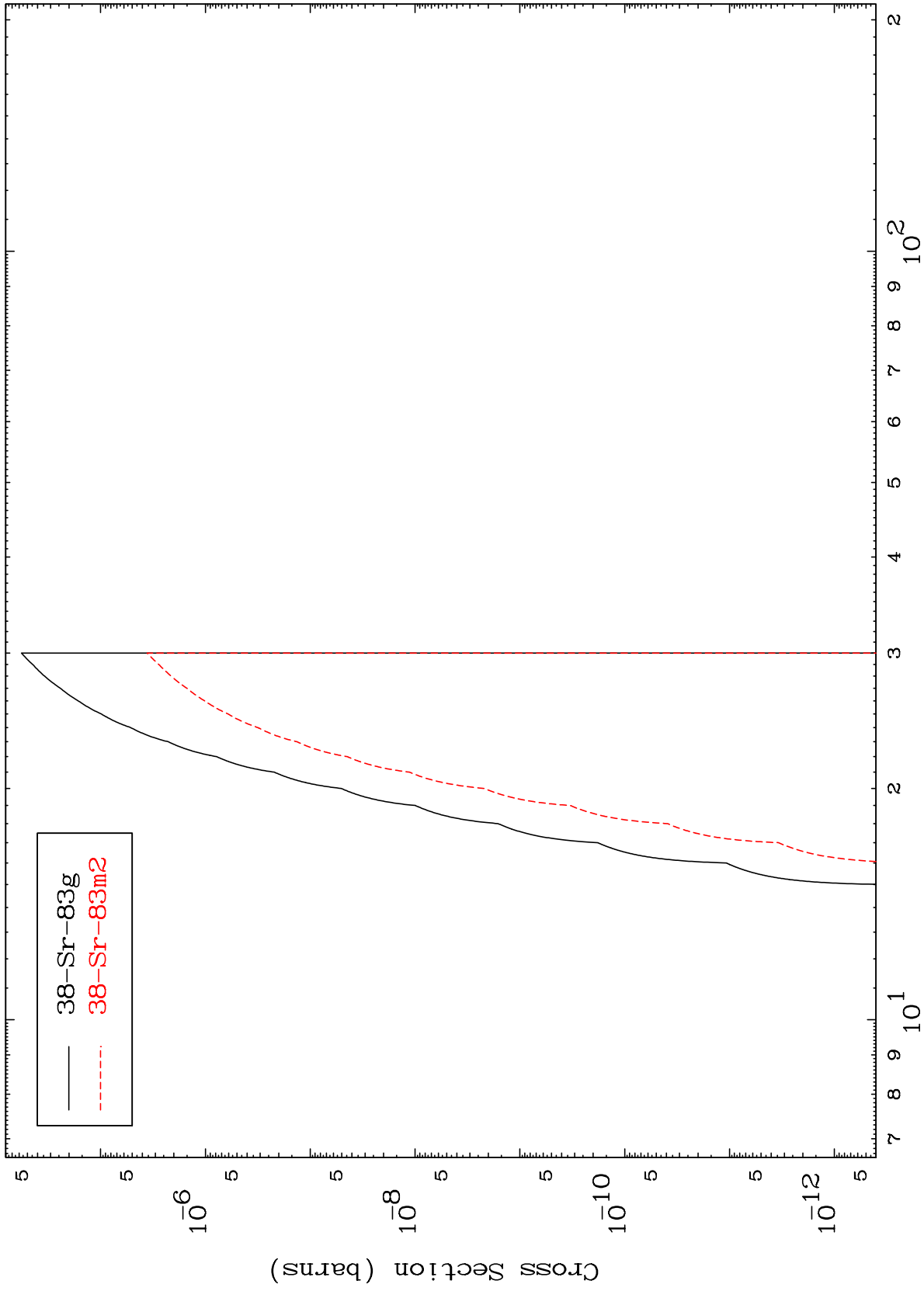
41-Nb-88

MAT 4110

(n,d)  $\alpha$

41-Nb-88

Radionuclide Production Cross Section



105

Incident Energy (MeV)

41-Nb-88