

Program EVALPLOT
(Version 2018-1)

by

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(Present Contact Information)

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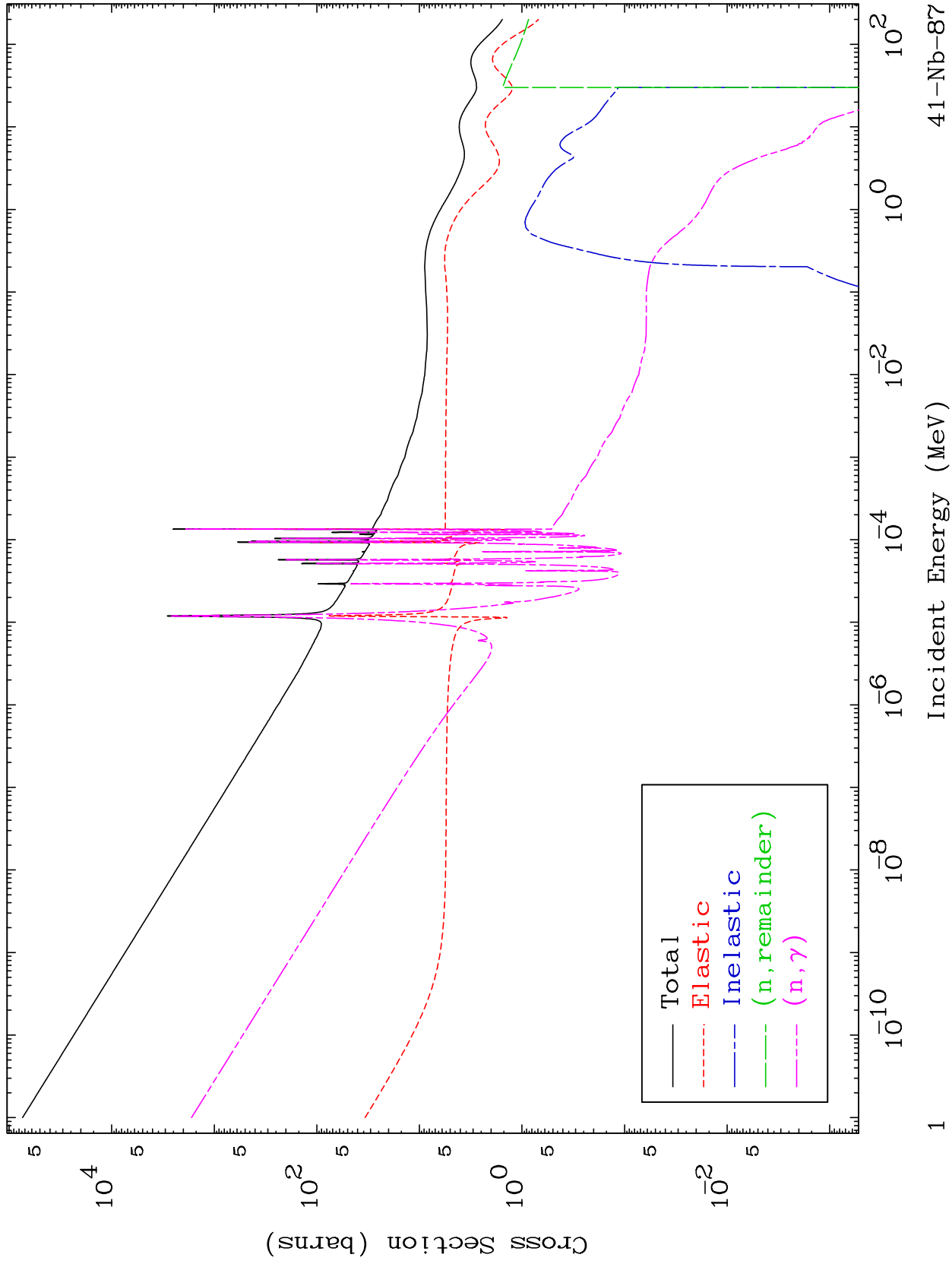
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Web:redcullen1.net/HOMEPAGE.NEW

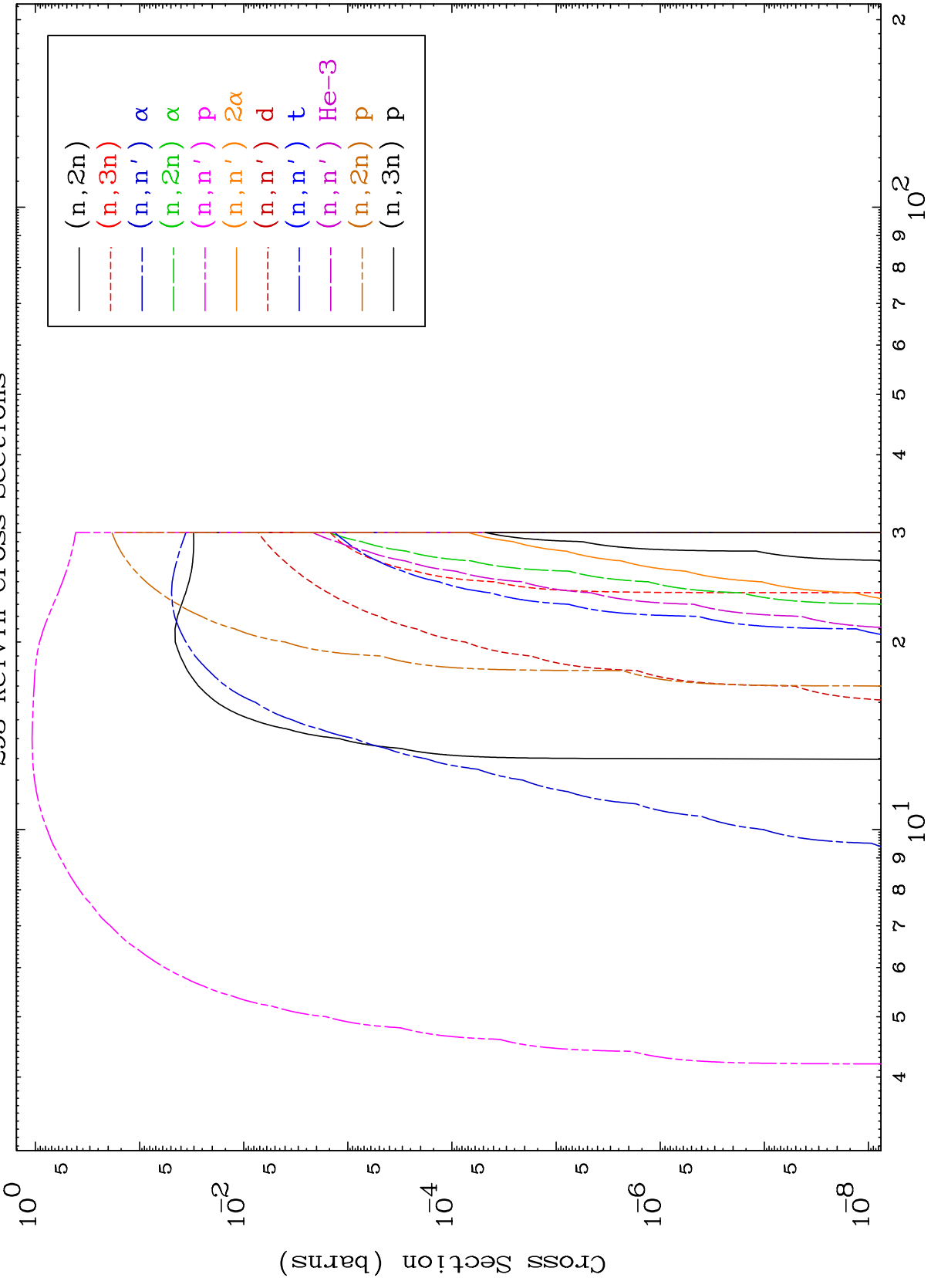
Press Mouse Button to Start

MAT 4107

Major
293 Kelvin Cross Sections

41-Nb-87

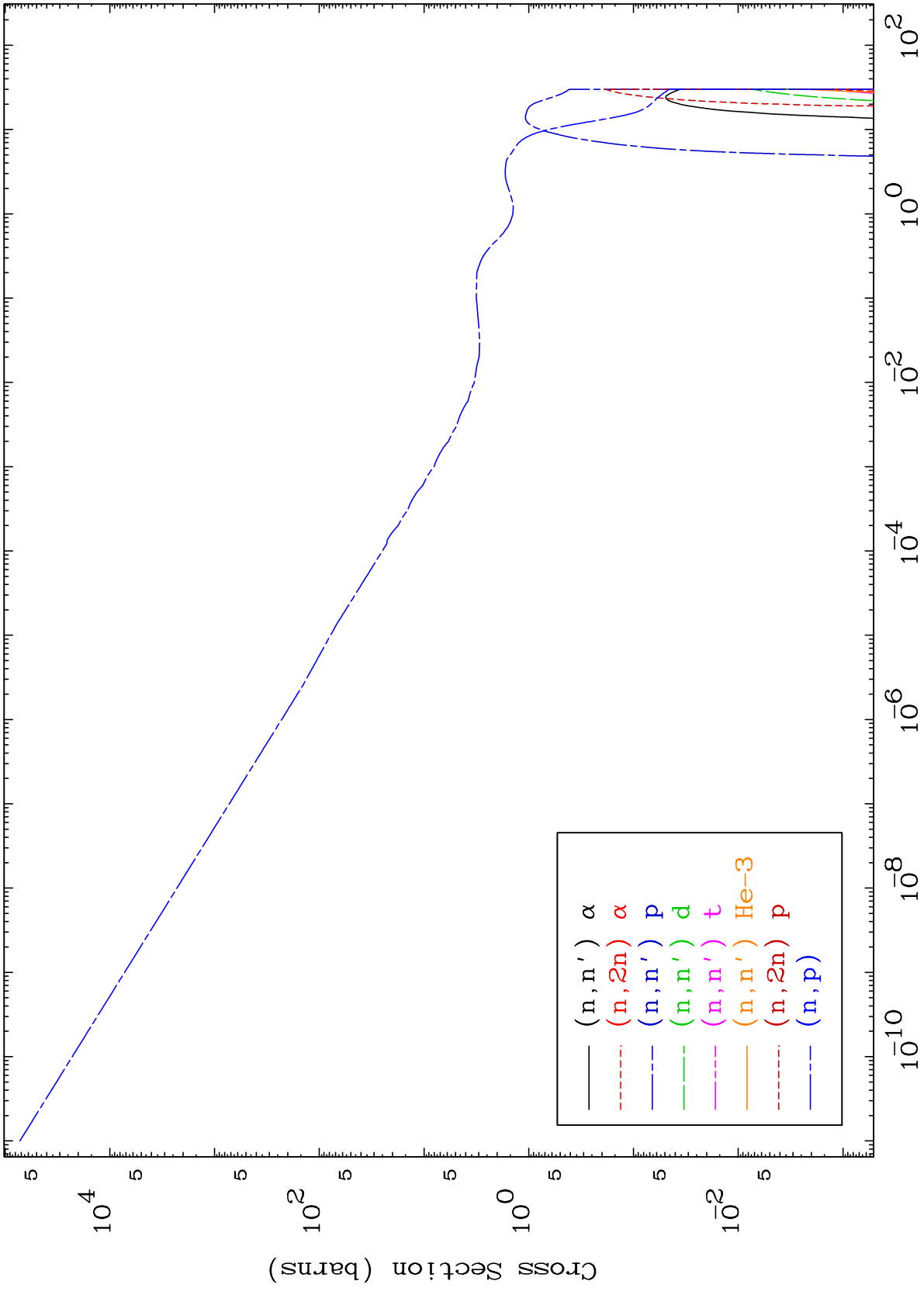




MAT 4107

Charged Particle
293 Kelvin Cross Sections

41-Nb-87

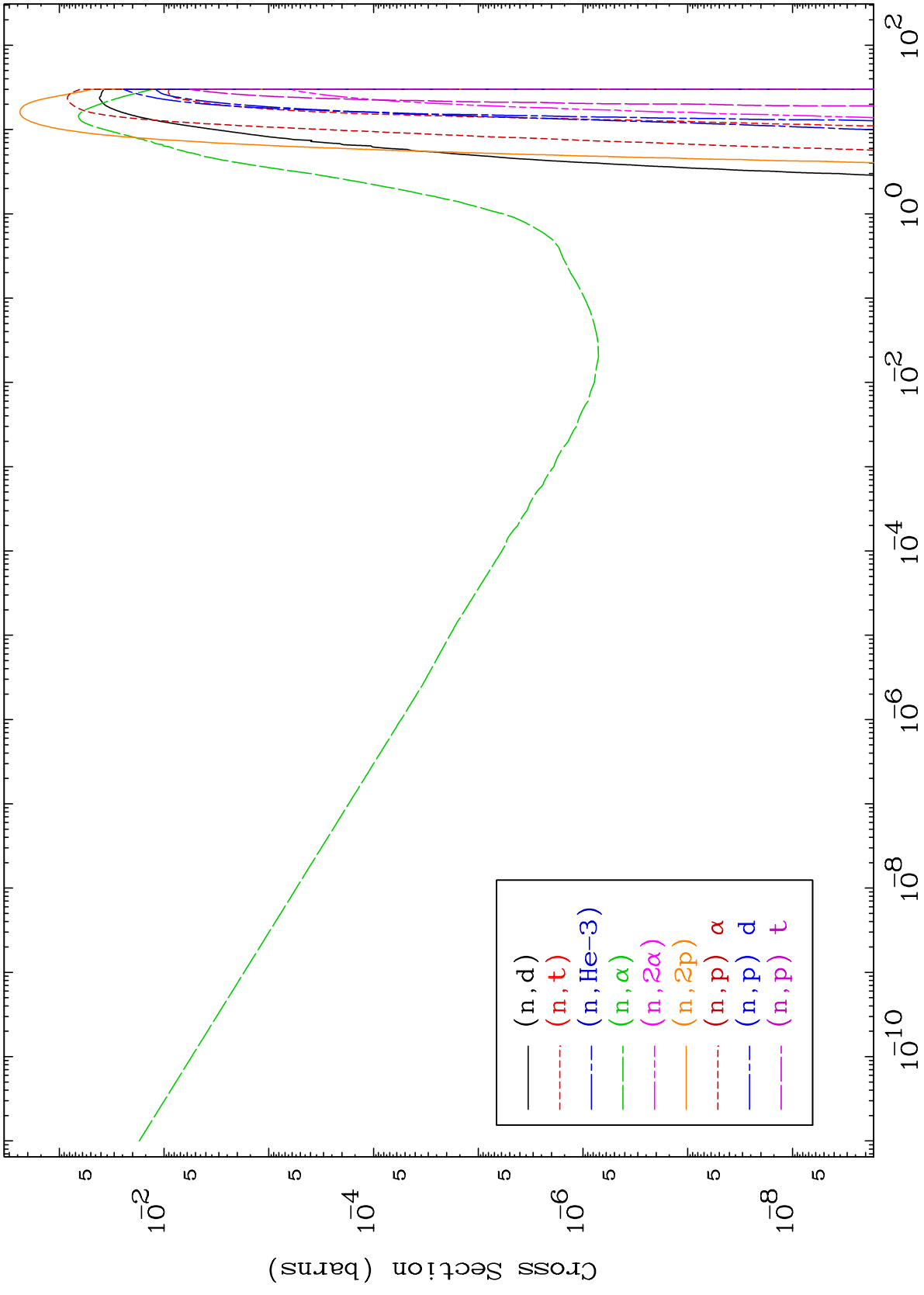


41-Nb-87

MAT 4107

Charged Particle
293 Kelvin Cross Sections

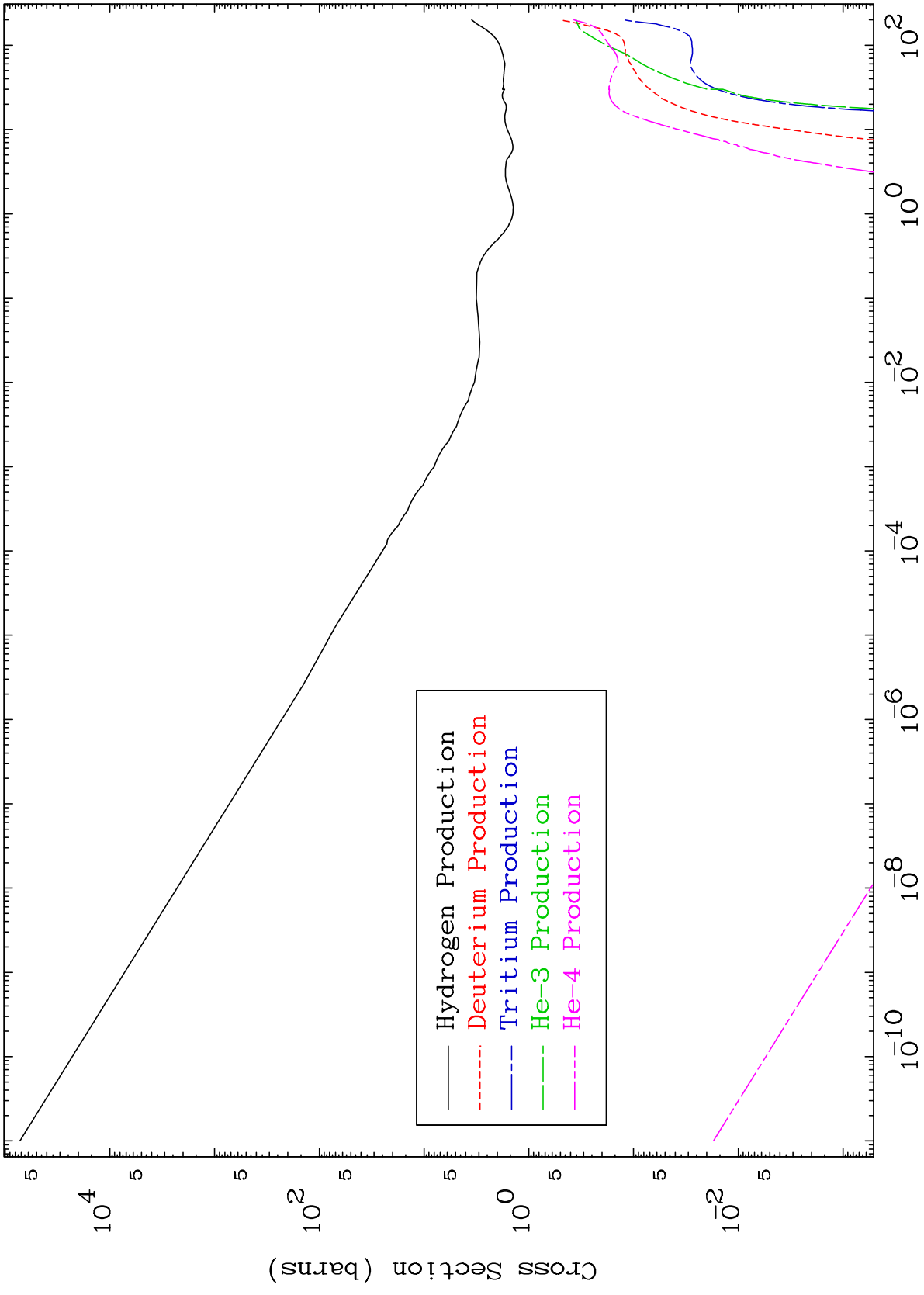
41-Nb-87



MAT 4107

Particle Production
293 Kelvin Cross Sections

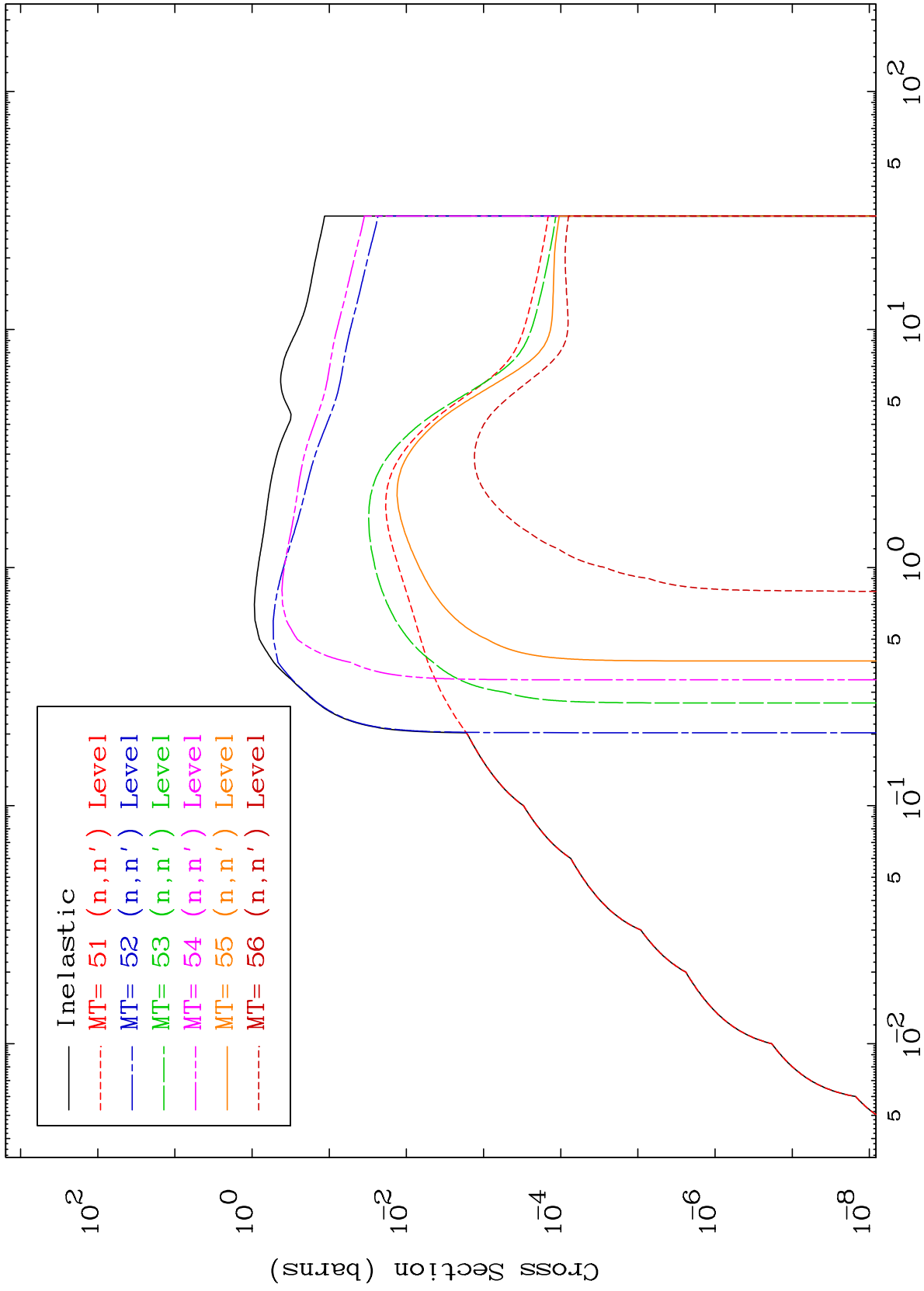
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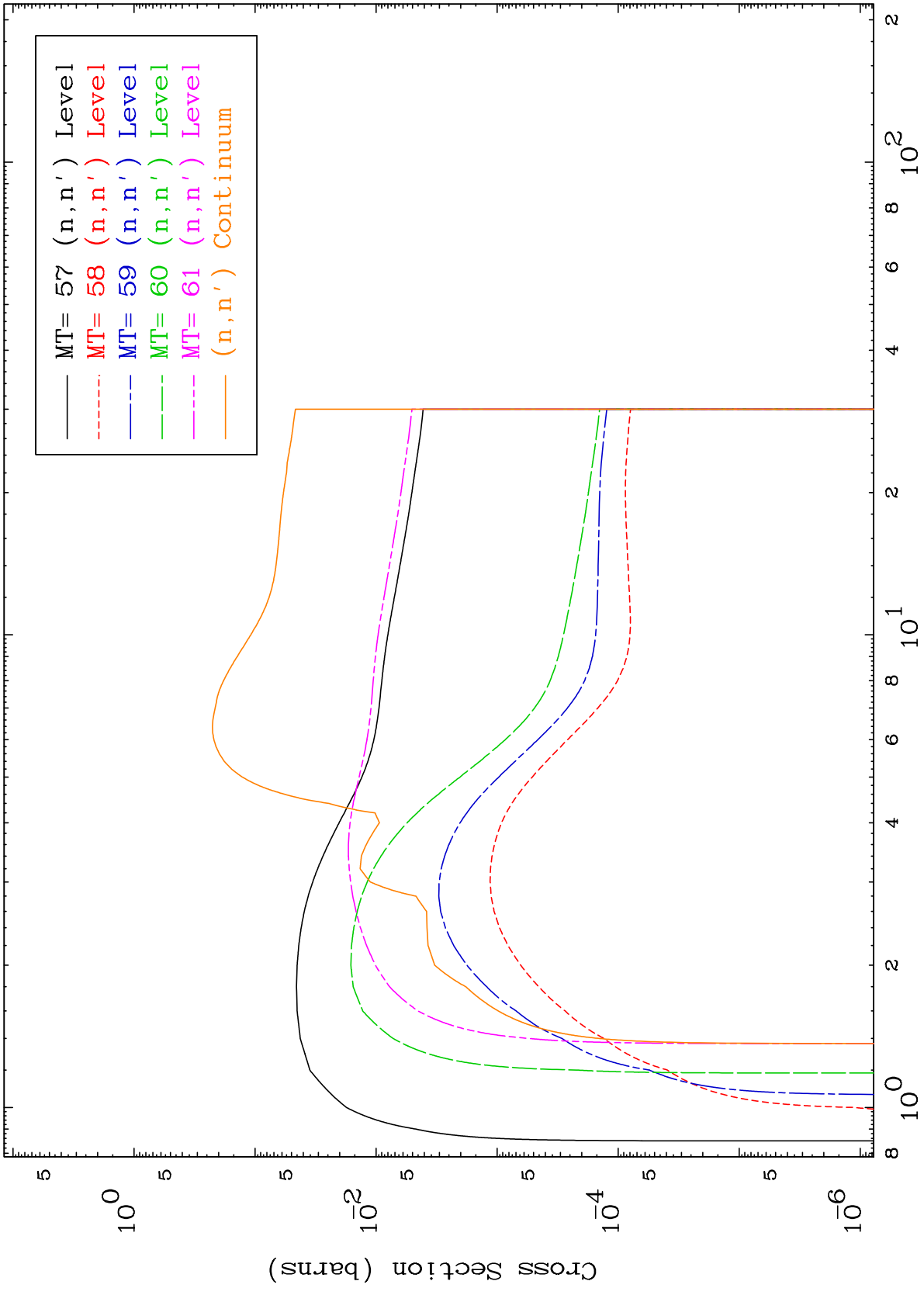


5

Incident Energy (MeV)

41-Nb-87

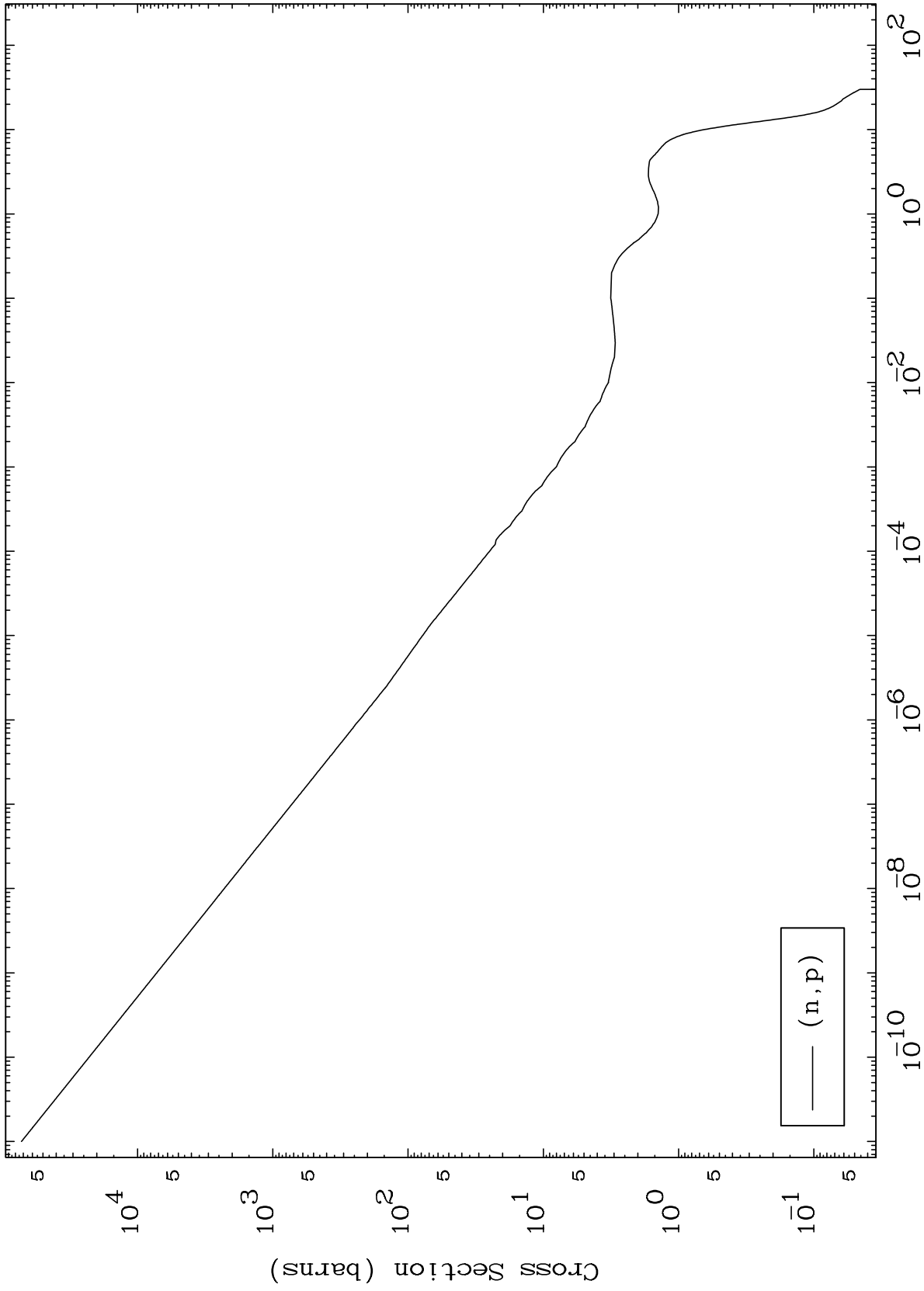




MAT 4107

(n,p) Levels
293 Kelvin Cross Sections

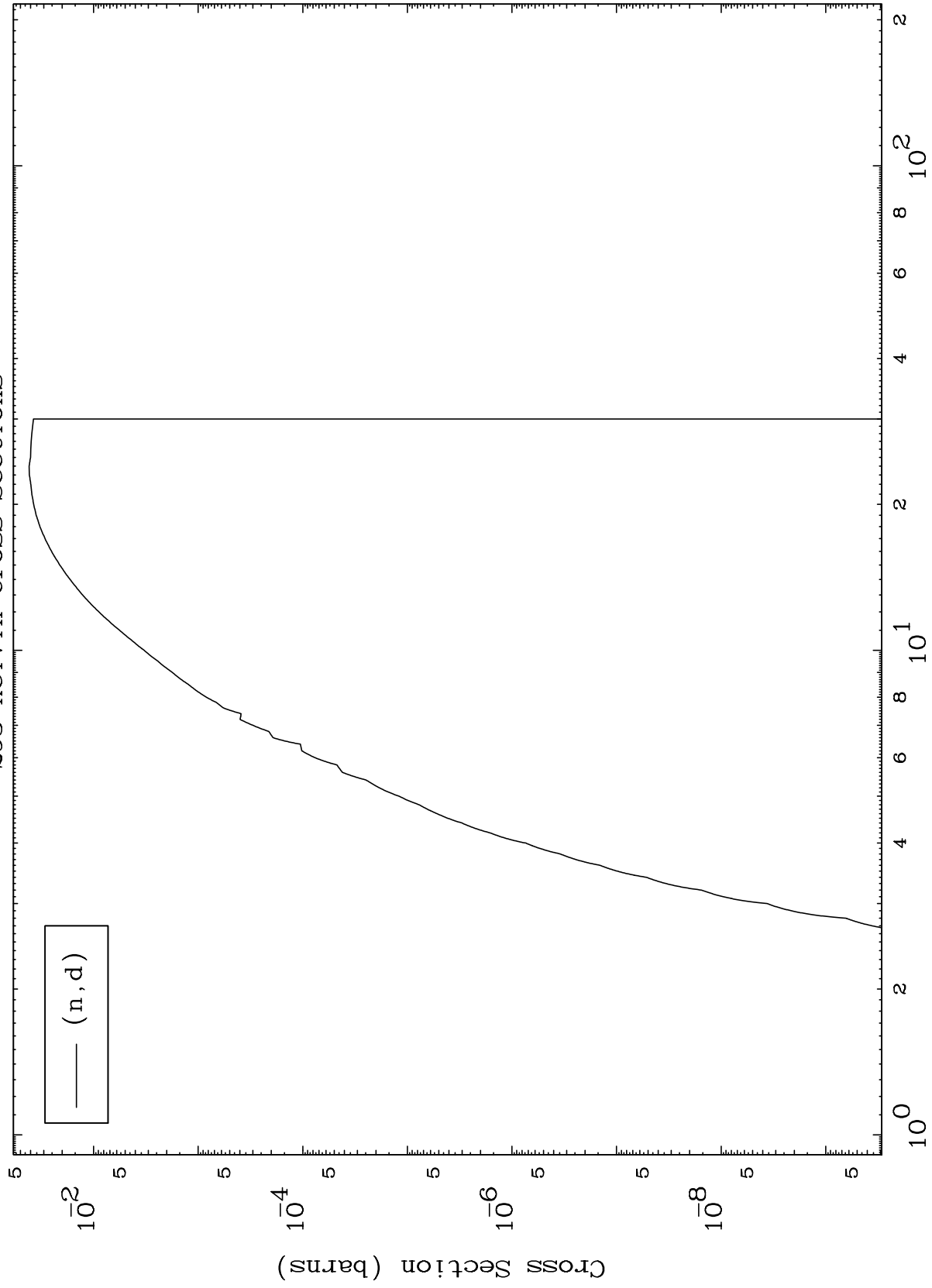
41-Nb-87



MAT 4107

(n,d) Levels
293 Kelvin Cross Sections

41-Nb-87



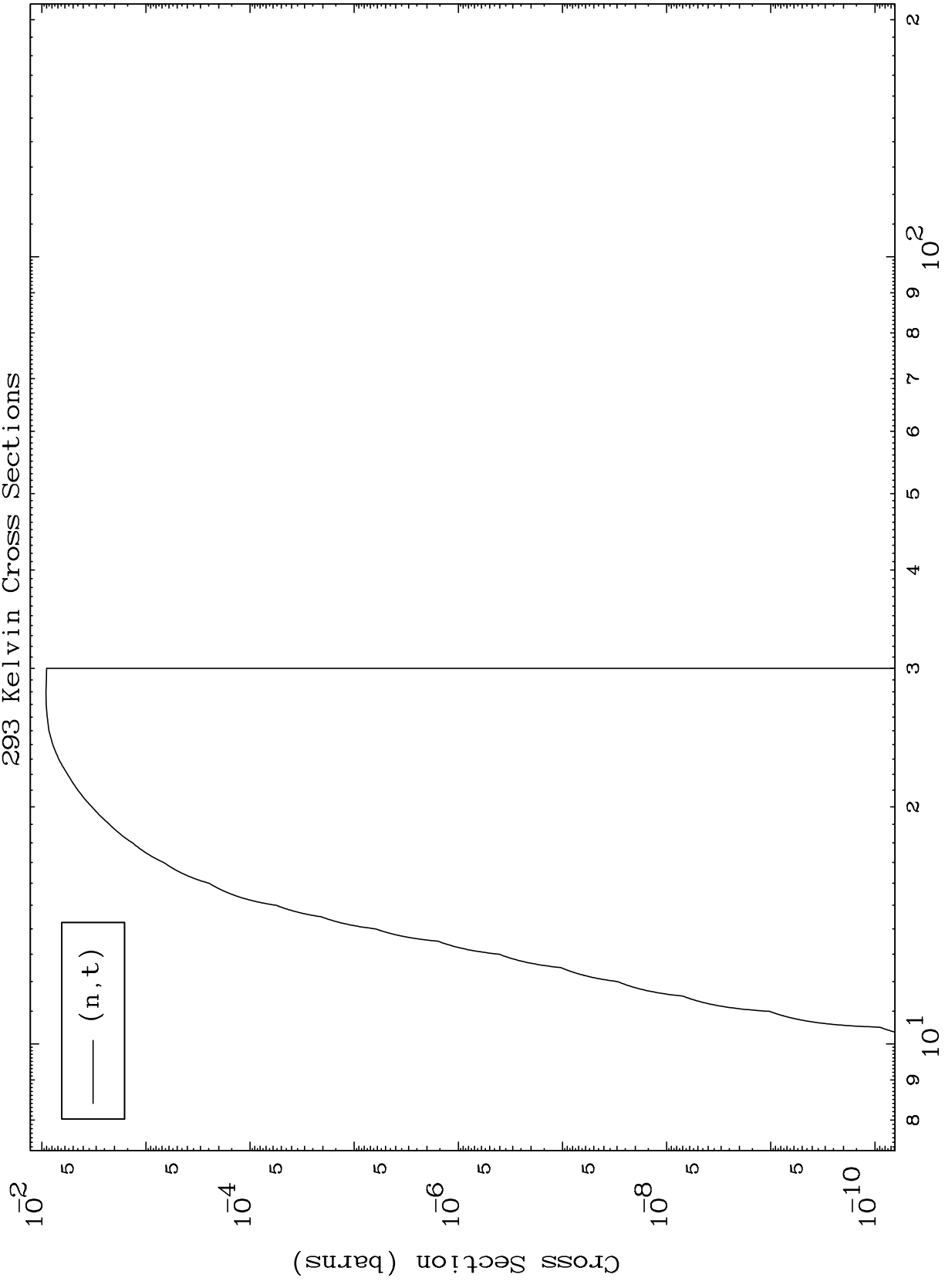
Incident Energy (MeV)

41-Nb-87

MAT 4107

(n,t) Levels
293 Kelvin Cross Sections

41-Nb-87



10

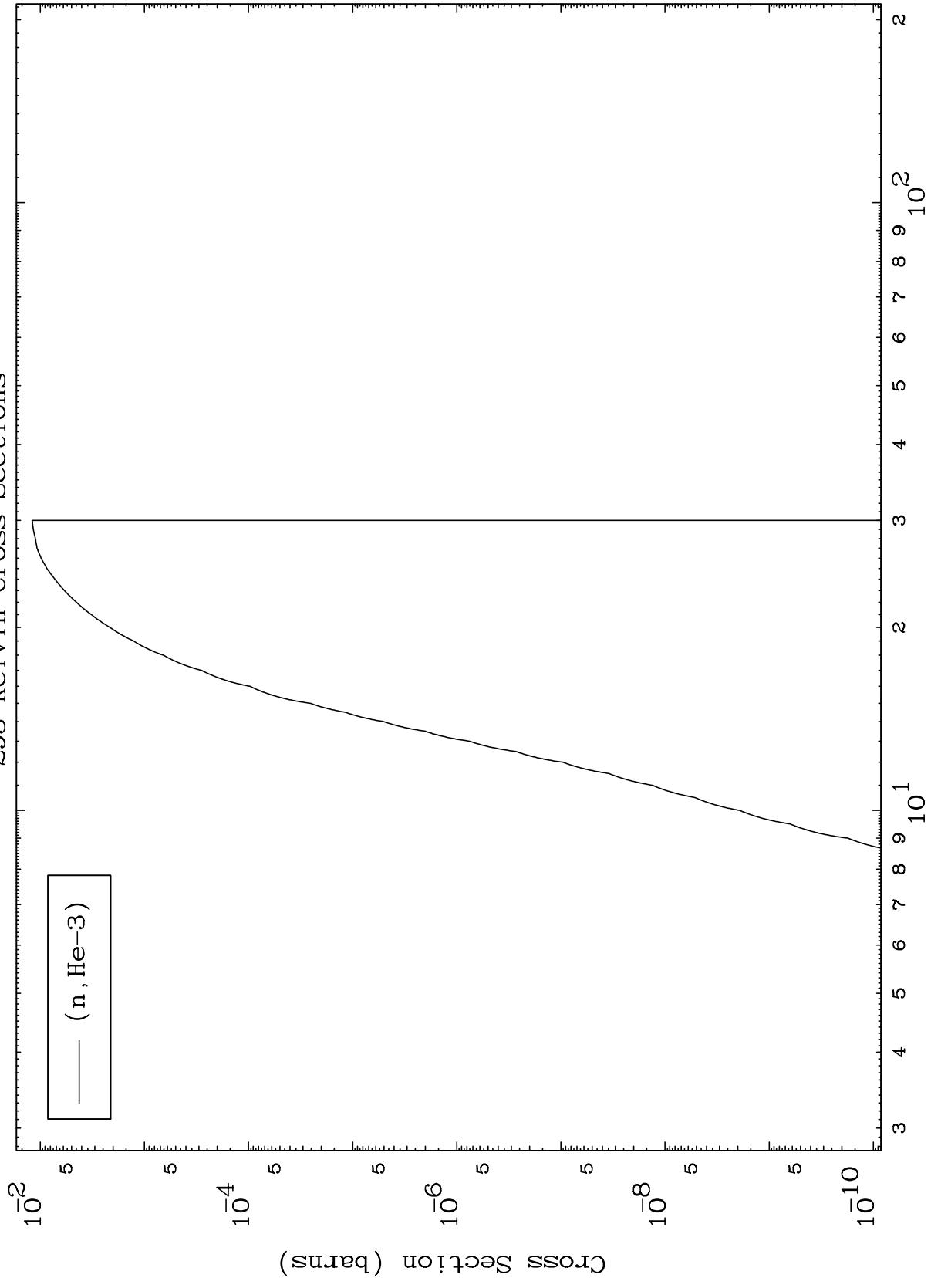
Incident Energy (MeV)

41-Nb-87

MAT 4107

(n,He3) Levels
293 Kelvin Cross Sections

41-Nb-87



11

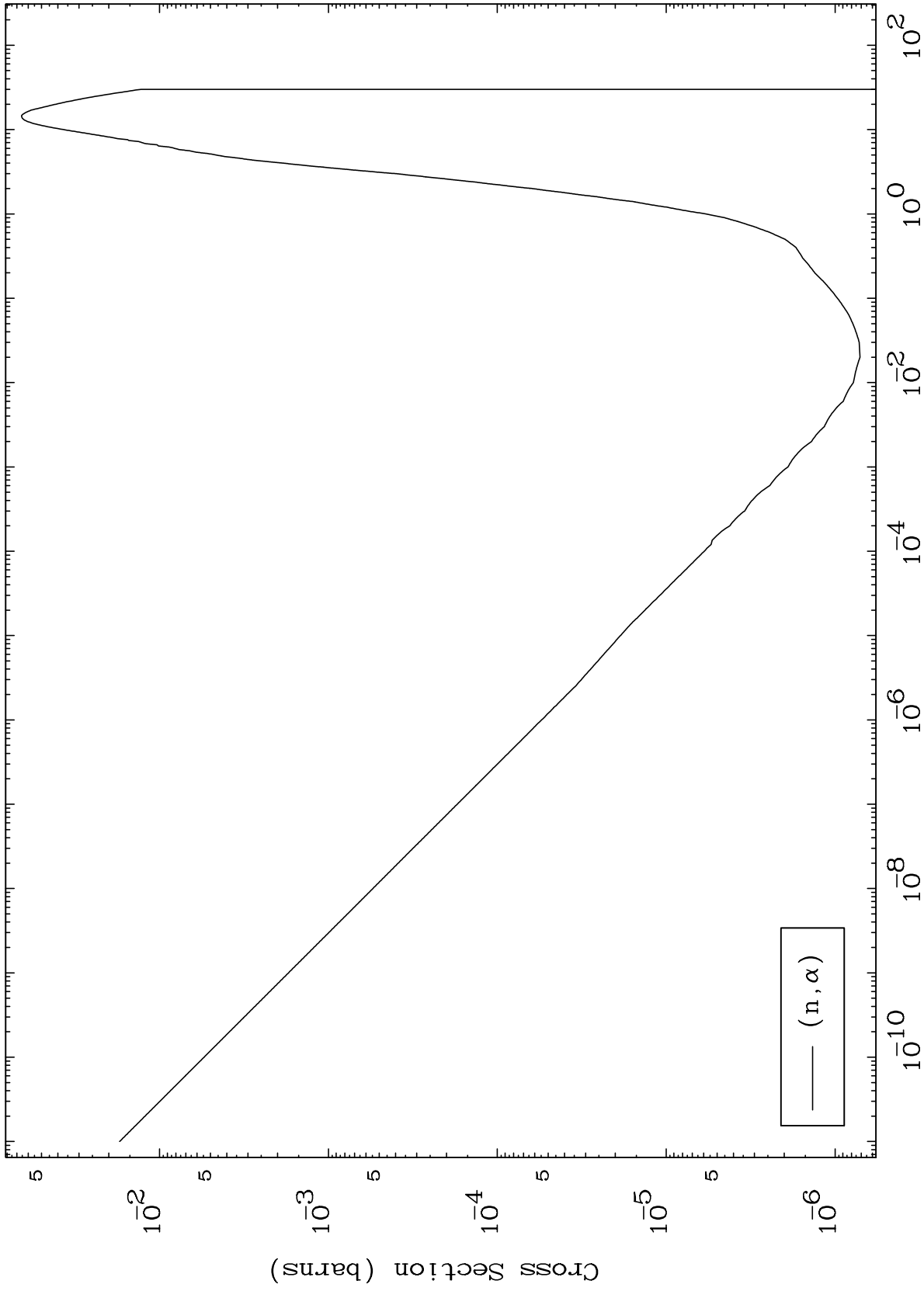
Incident Energy (MeV)

41-Nb-87

MAT 4107

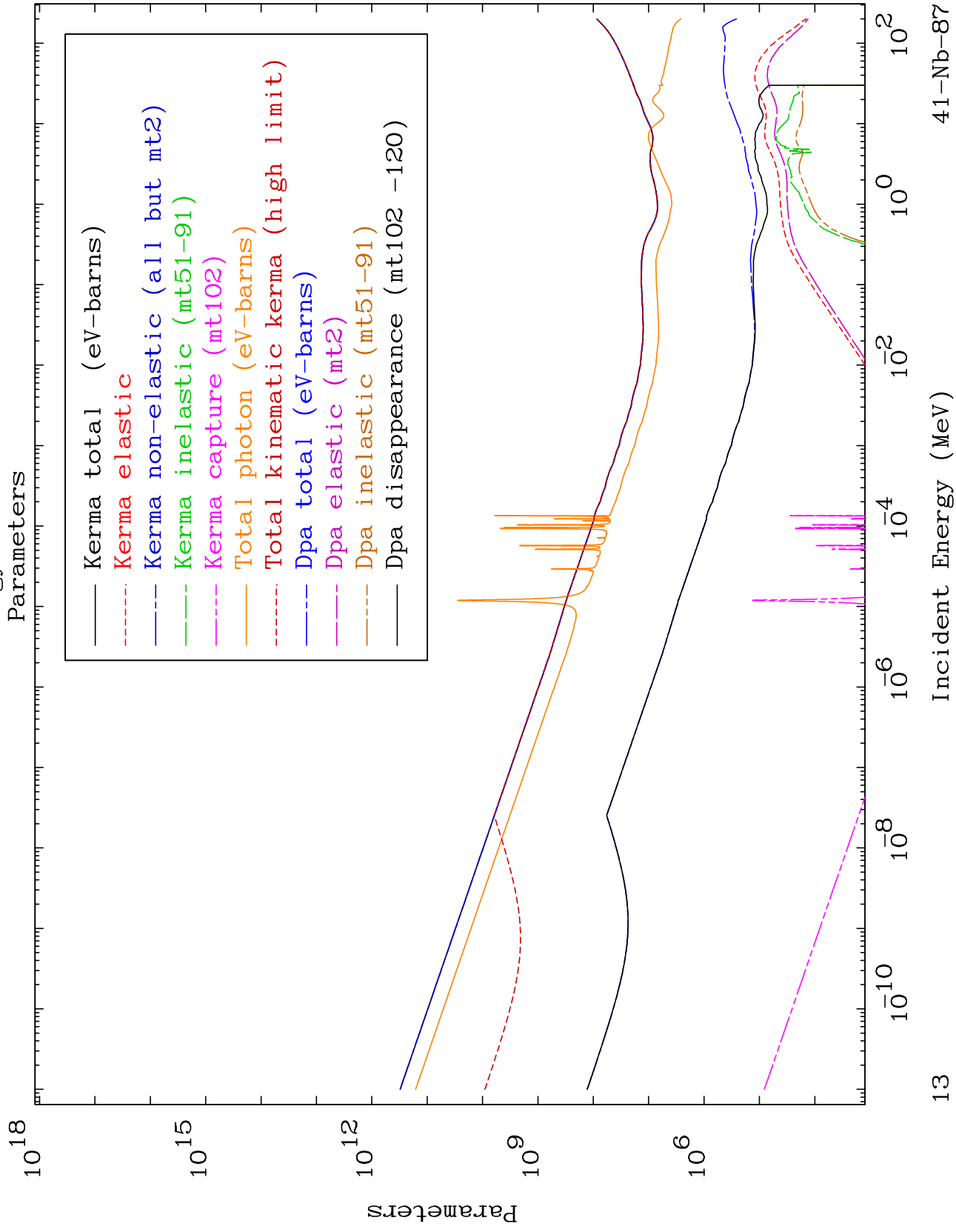
(n,α) Levels
293 Kelvin Cross Sections

41-Nb-87



12

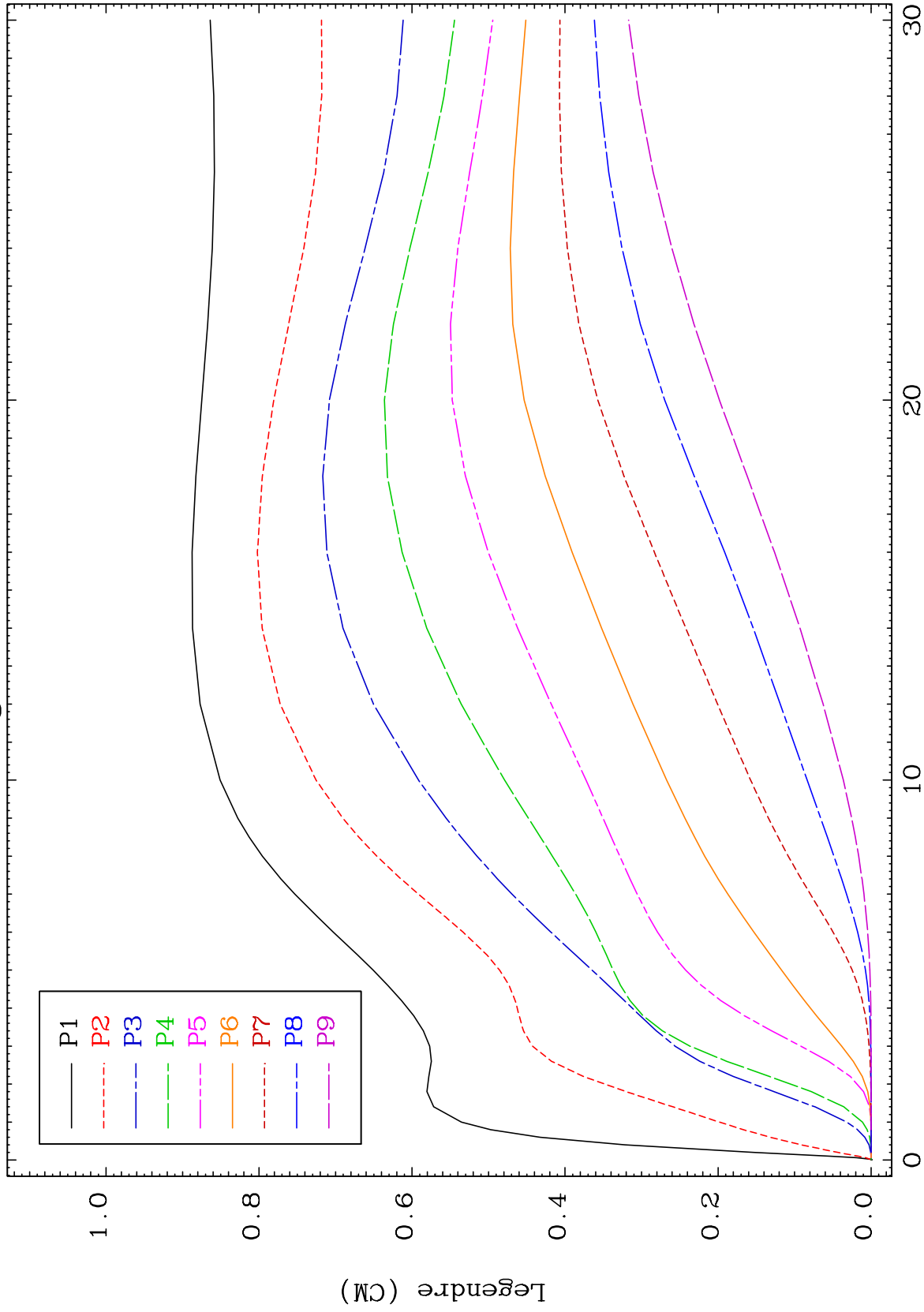
41-Nb-87



MAT 4107

Elastic Legendre Coefficients

41-Nb-87



14

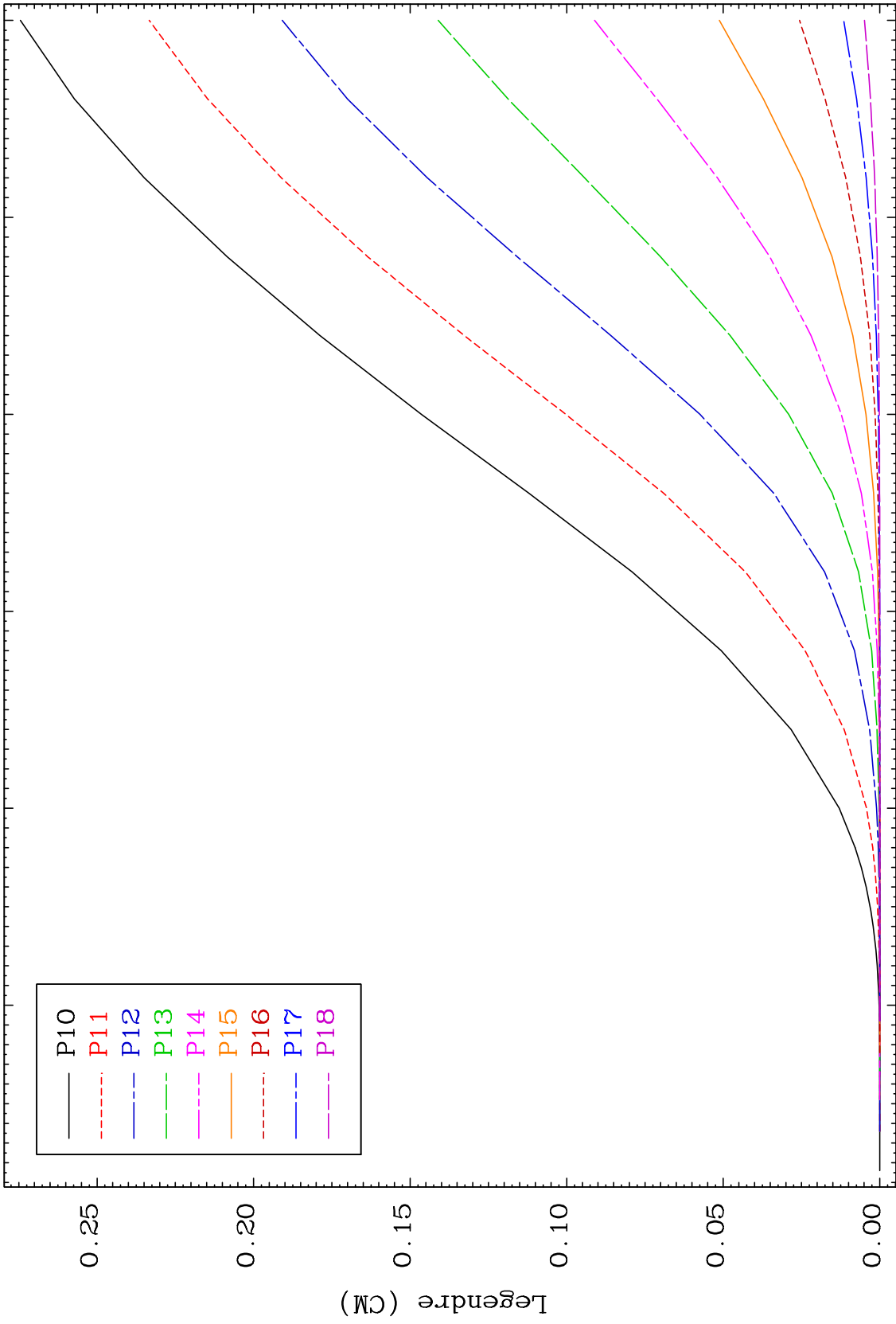
Incident Energy (MeV)

41-Nb-87

MAT 4107

Elastic Legendre Coefficients

41-Nb-87



15

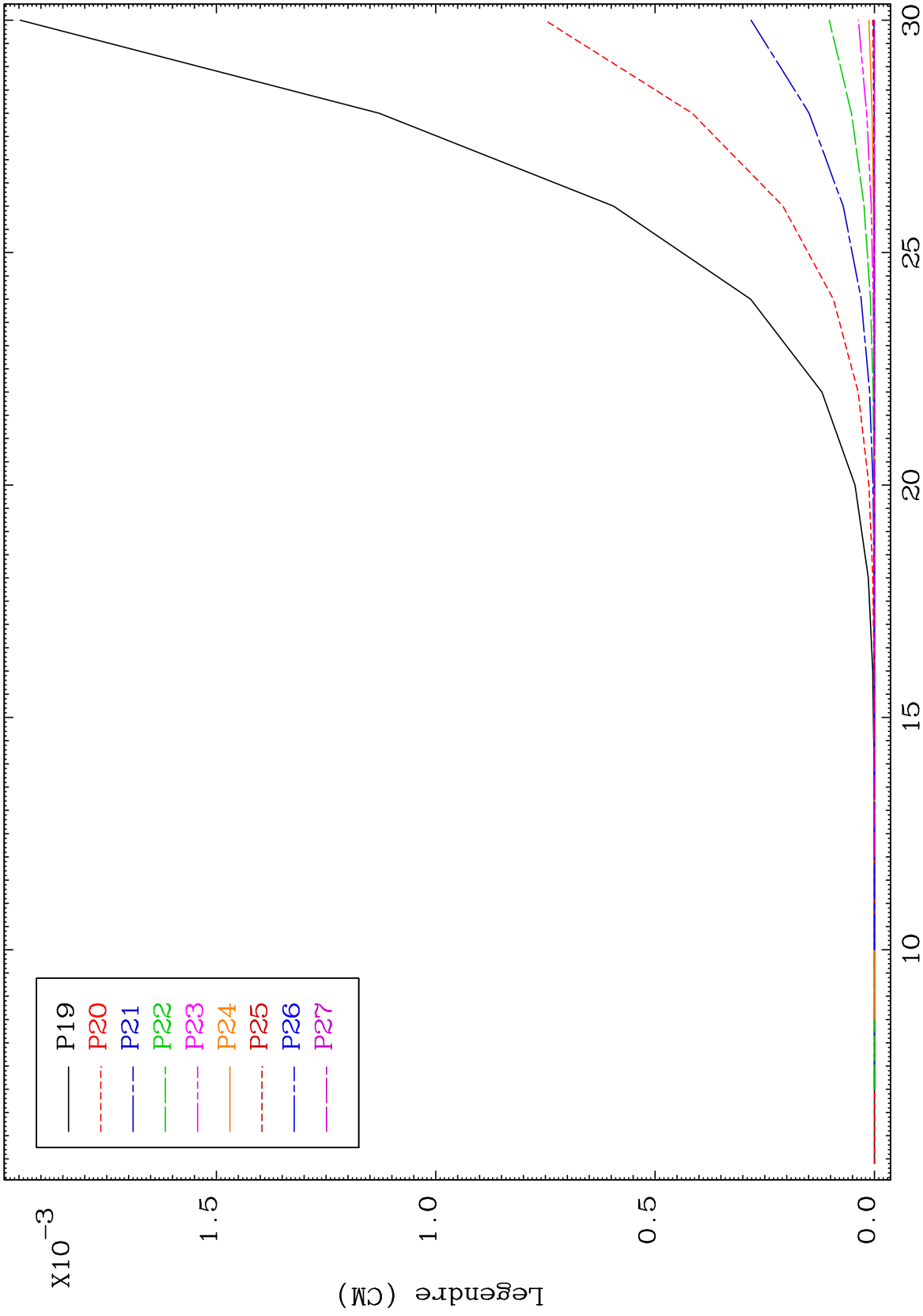
Incident Energy (MeV)

41-Nb-87

MAT 4107

Elastic Legendre Coefficients

41-Nb-87



16

Incident Energy (MeV)

41-Nb-87

MAT 4107

41-Nb-87

Elastic Legendre Coefficients



Legendre (CM)
X10⁻⁷

17

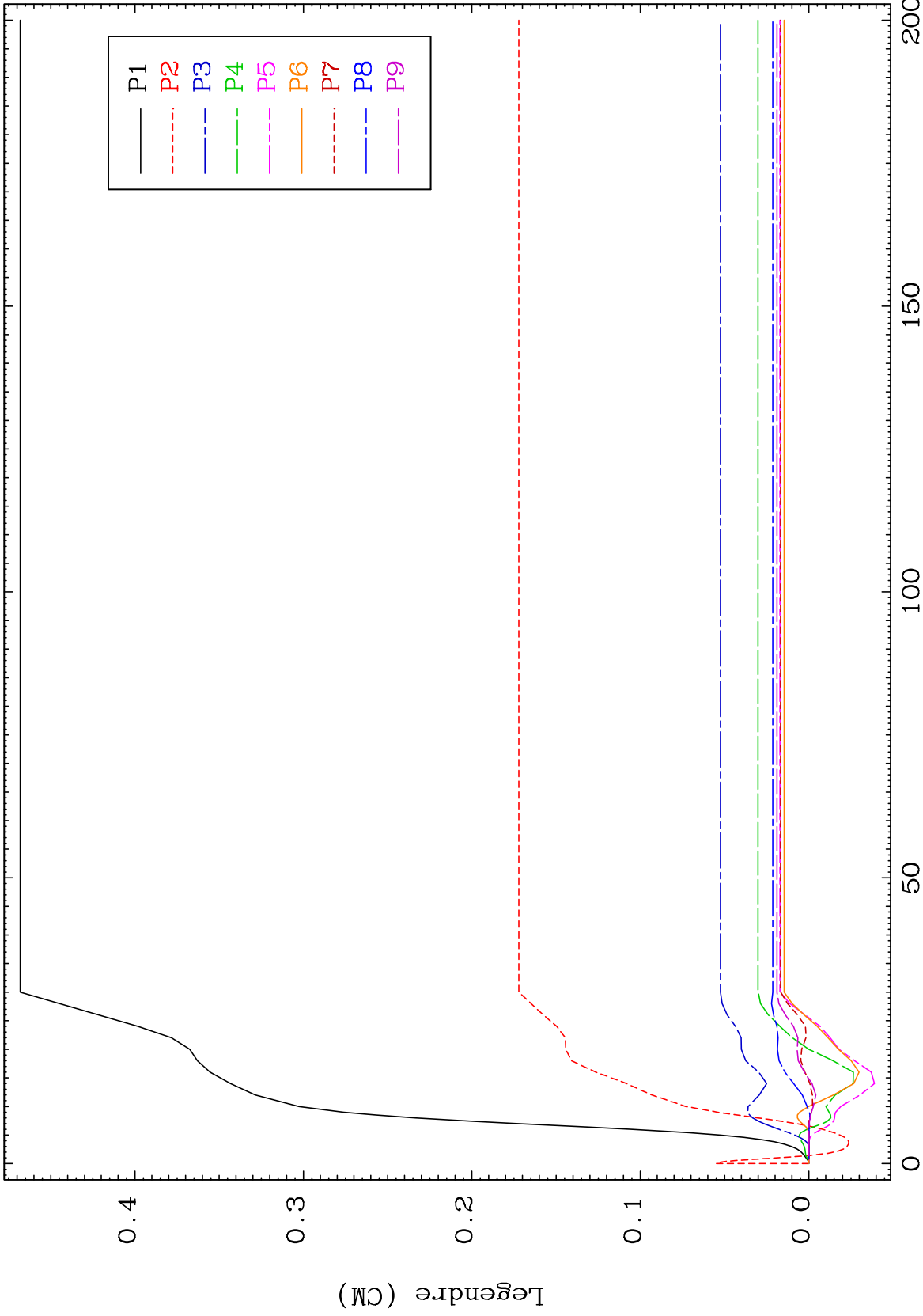
Incident Energy (MeV)

41-Nb-87

MAT 4107

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

41-Nb-87



18

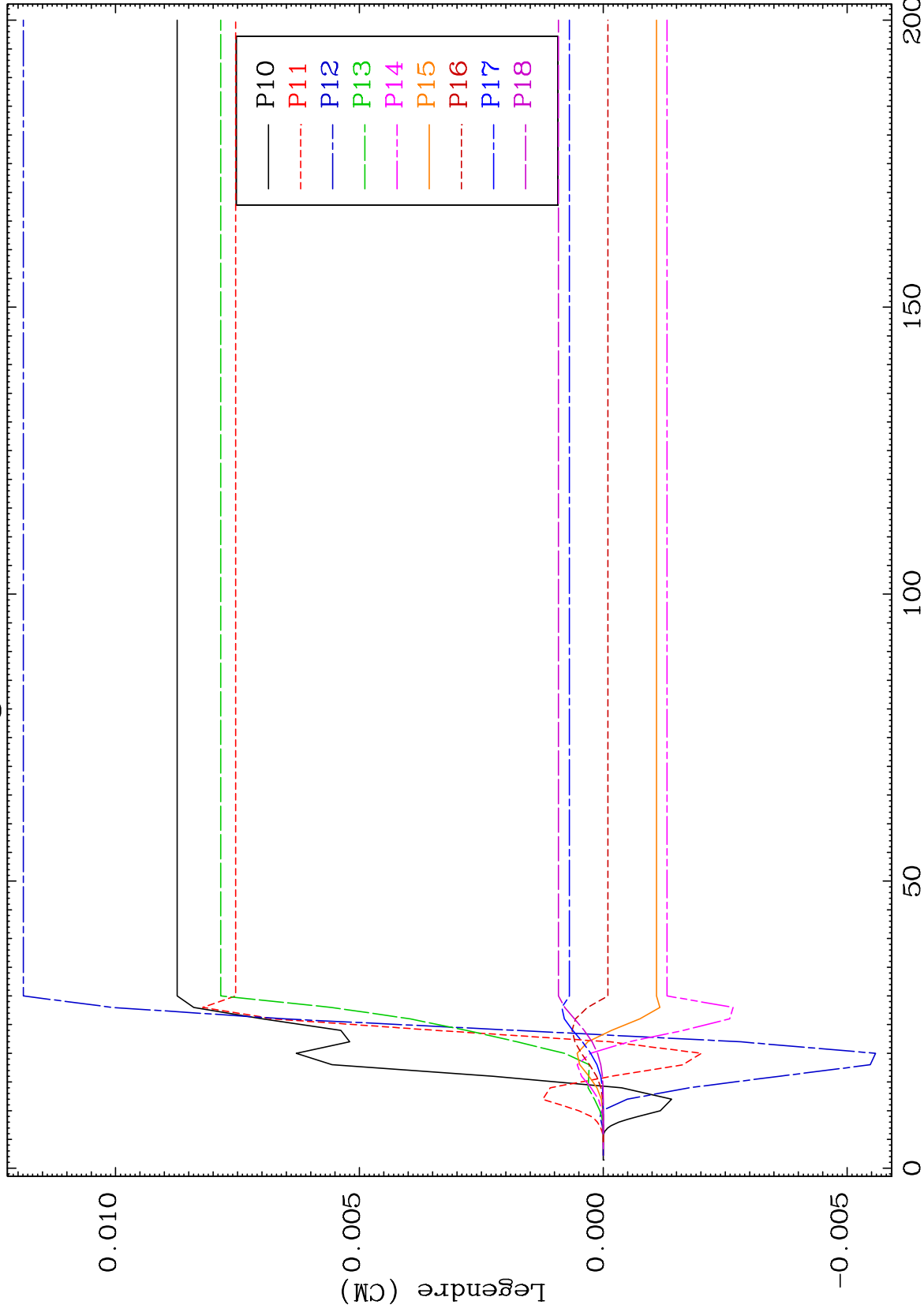
Incident Energy (MeV)

41-Nb-87

MAT 4107

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

41-Nb-87



19

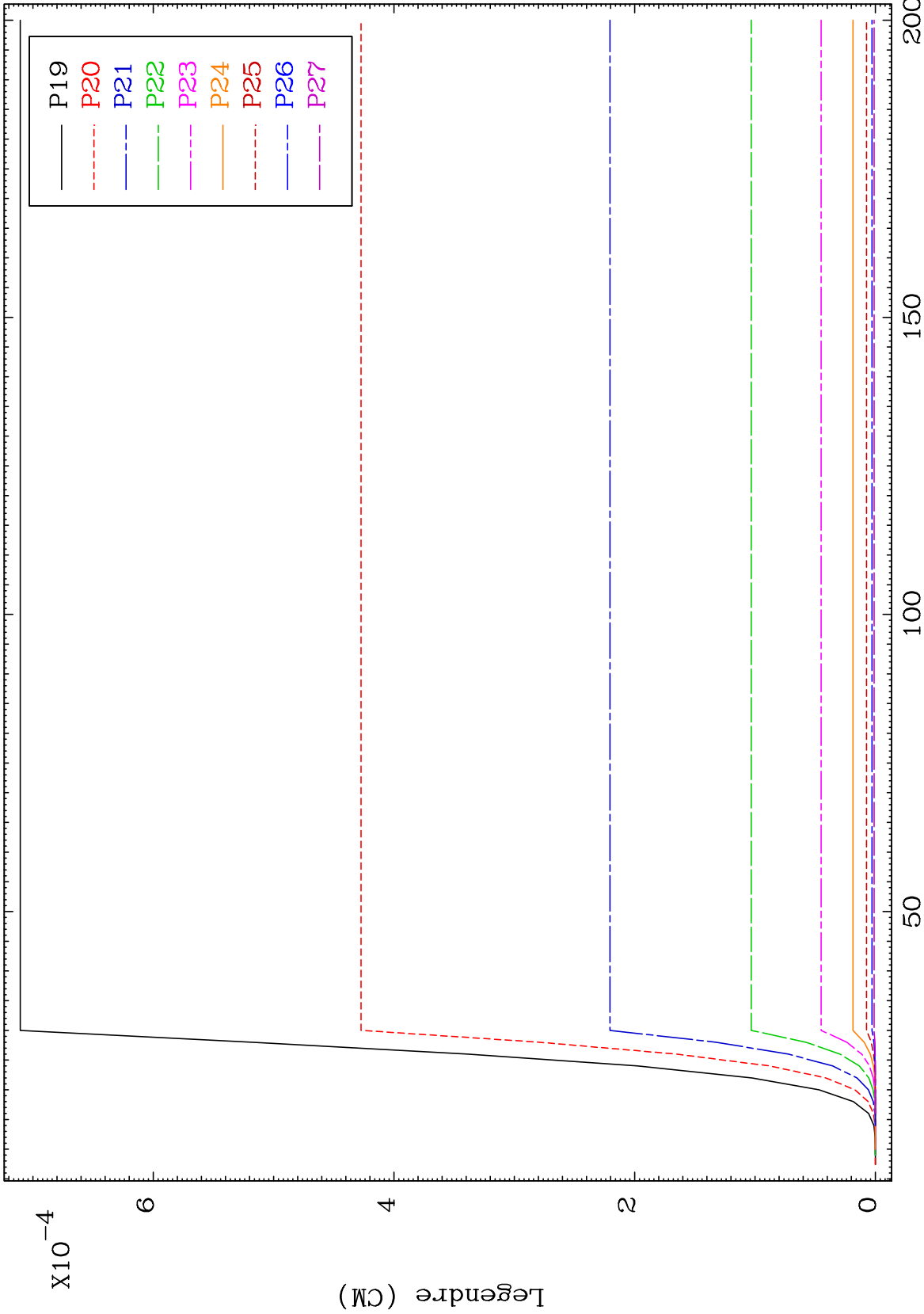
Incident Energy (MeV)

41-Nb-87

MAT 4107

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

41-Nb-87



20

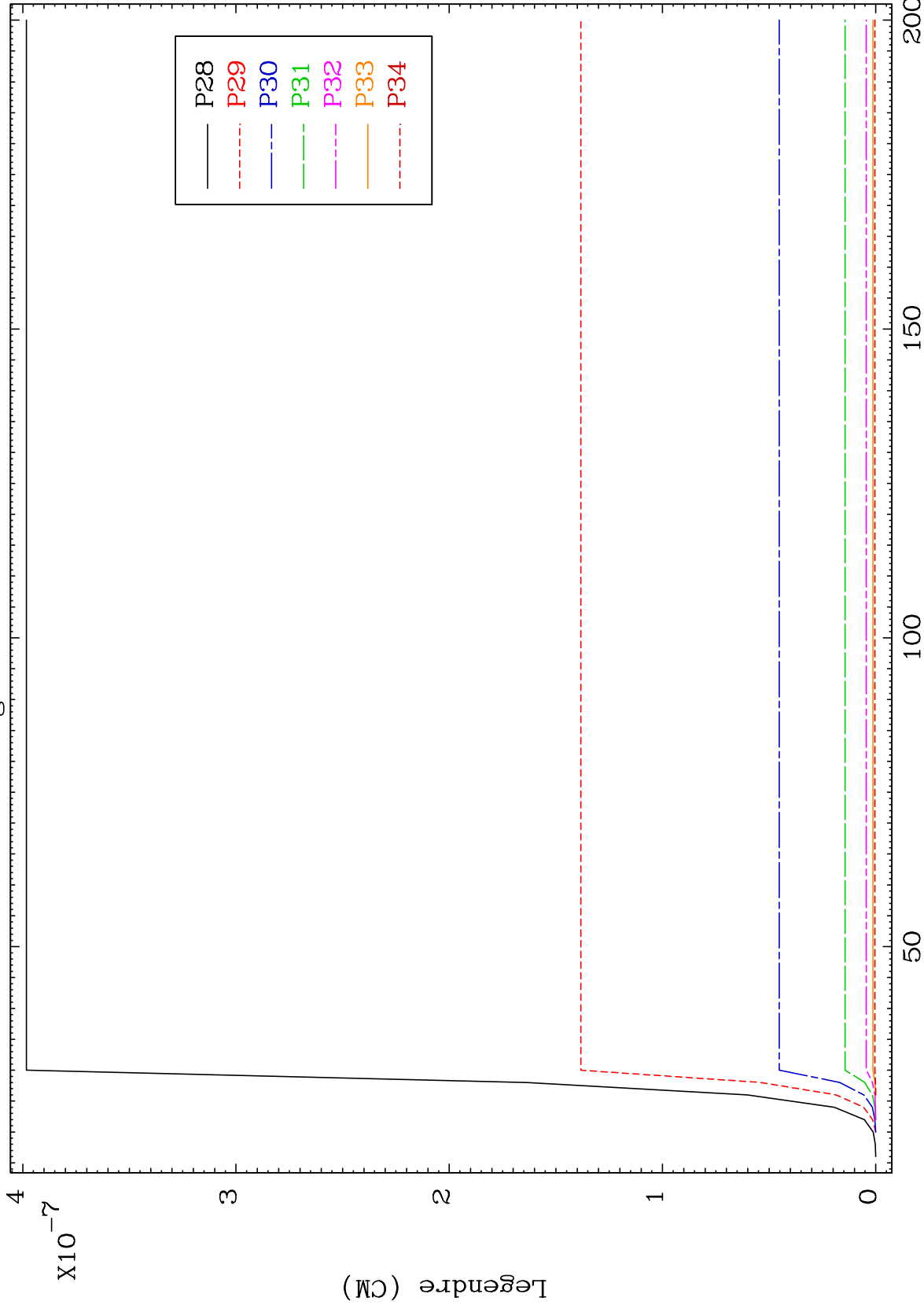
Incident Energy (MeV)

41-Nb-87

MAT 4107

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

41-Nb-87



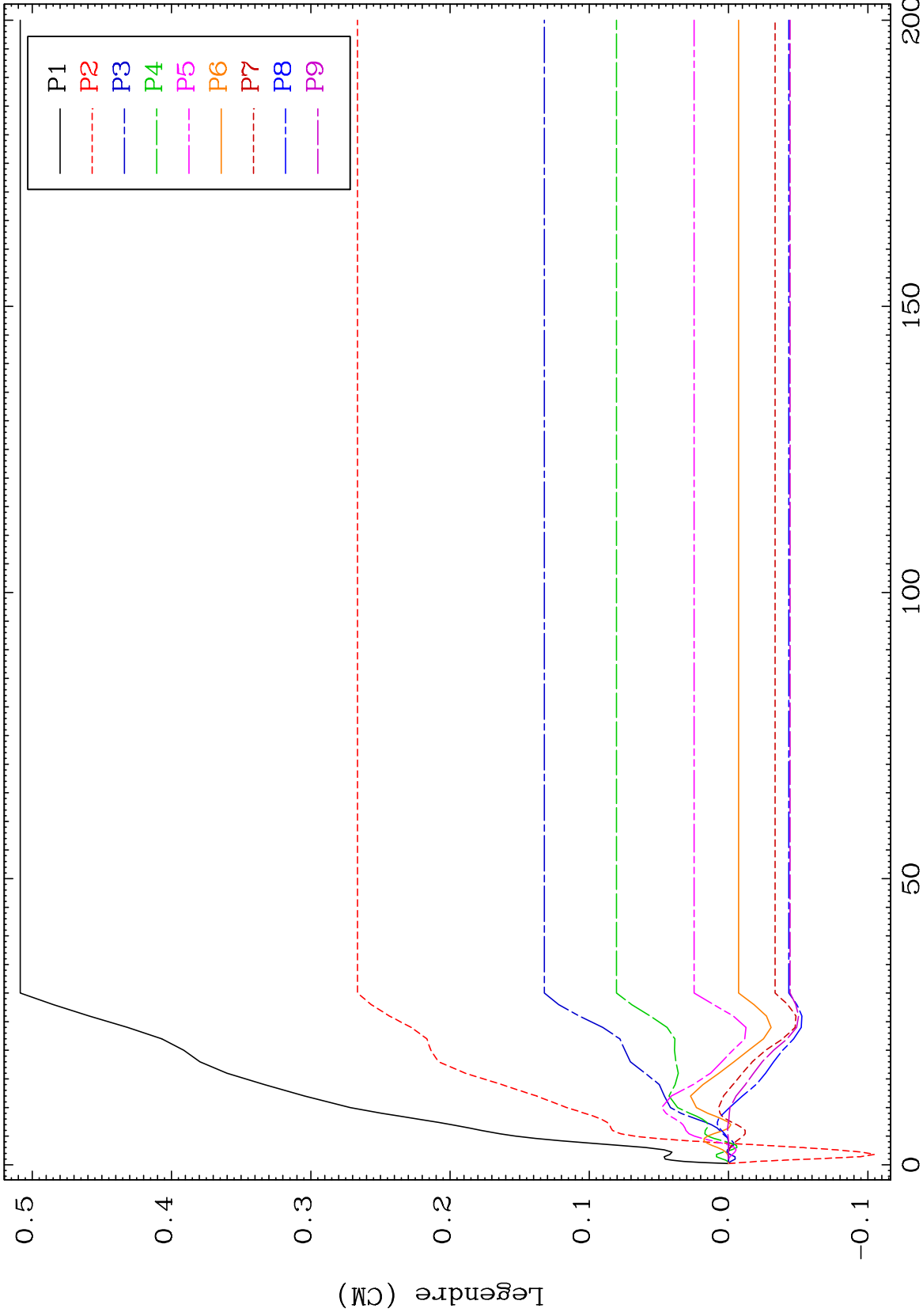
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41-Nb-87

MAT 4107

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

41-Nb-87



22

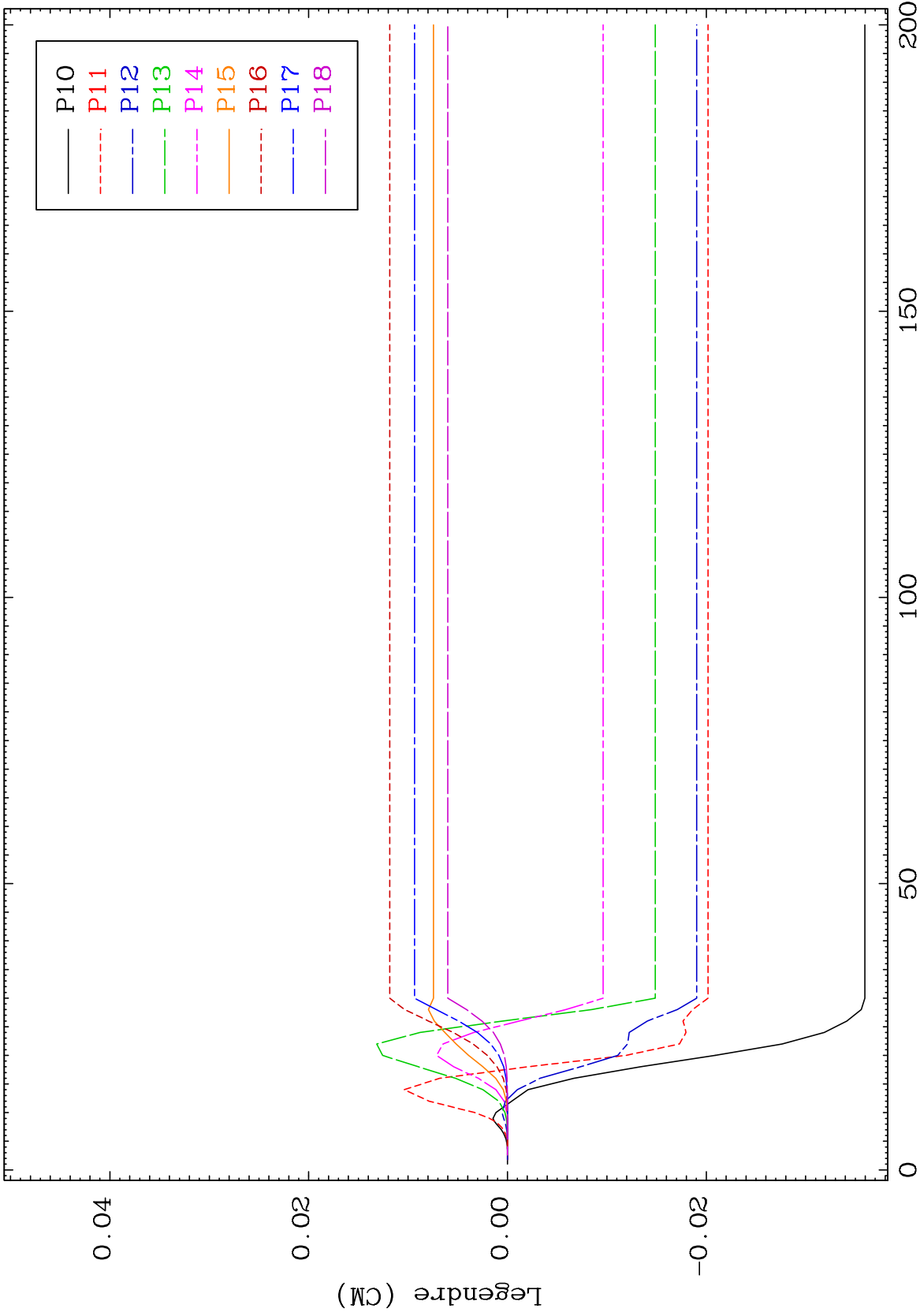
Incident Energy (MeV)

41-Nb-87

MAT 4107

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

41-Nb-87



23

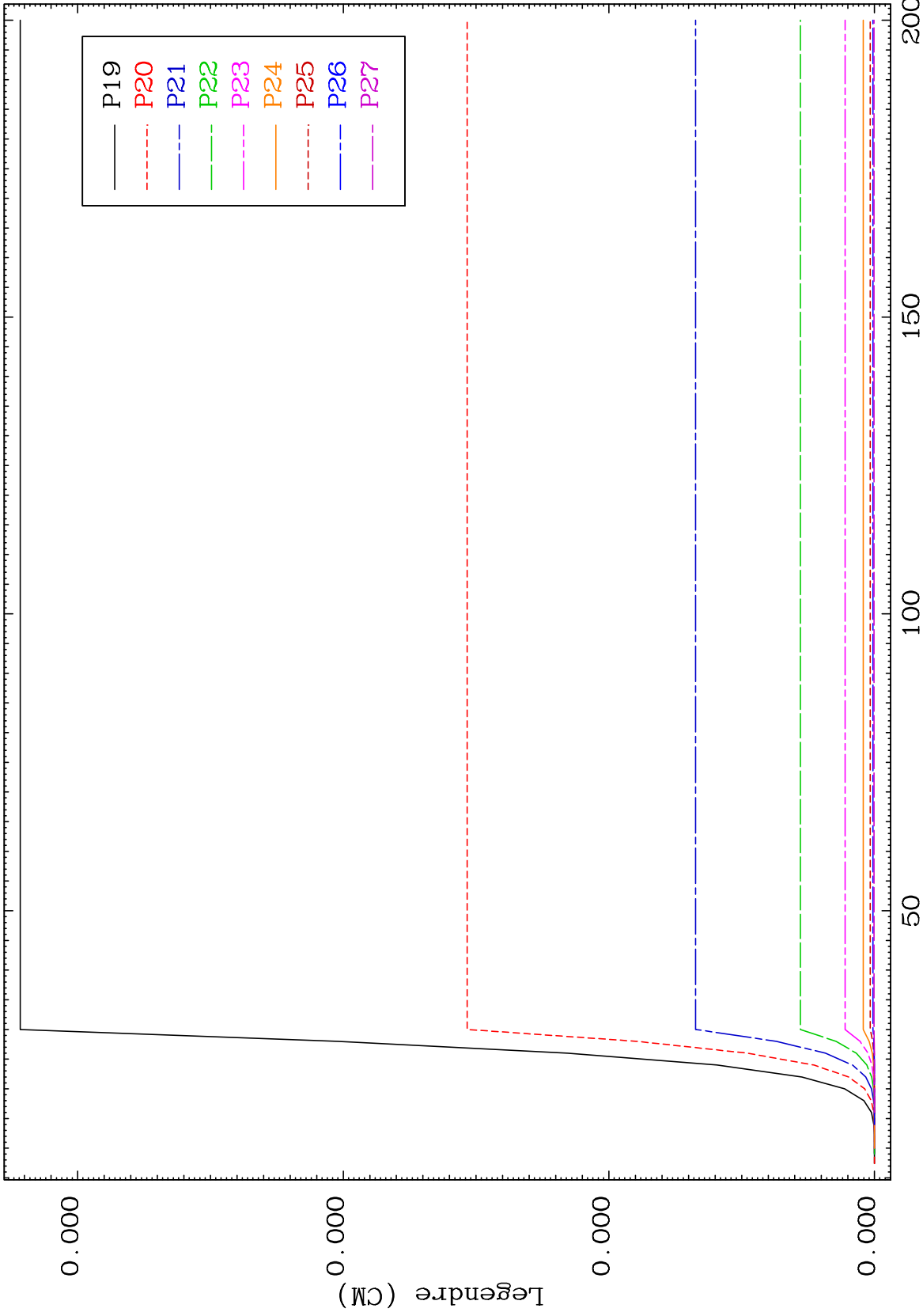
Incident Energy (MeV)

41-Nb-87

MAT 4107

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

41-Nb-87



24

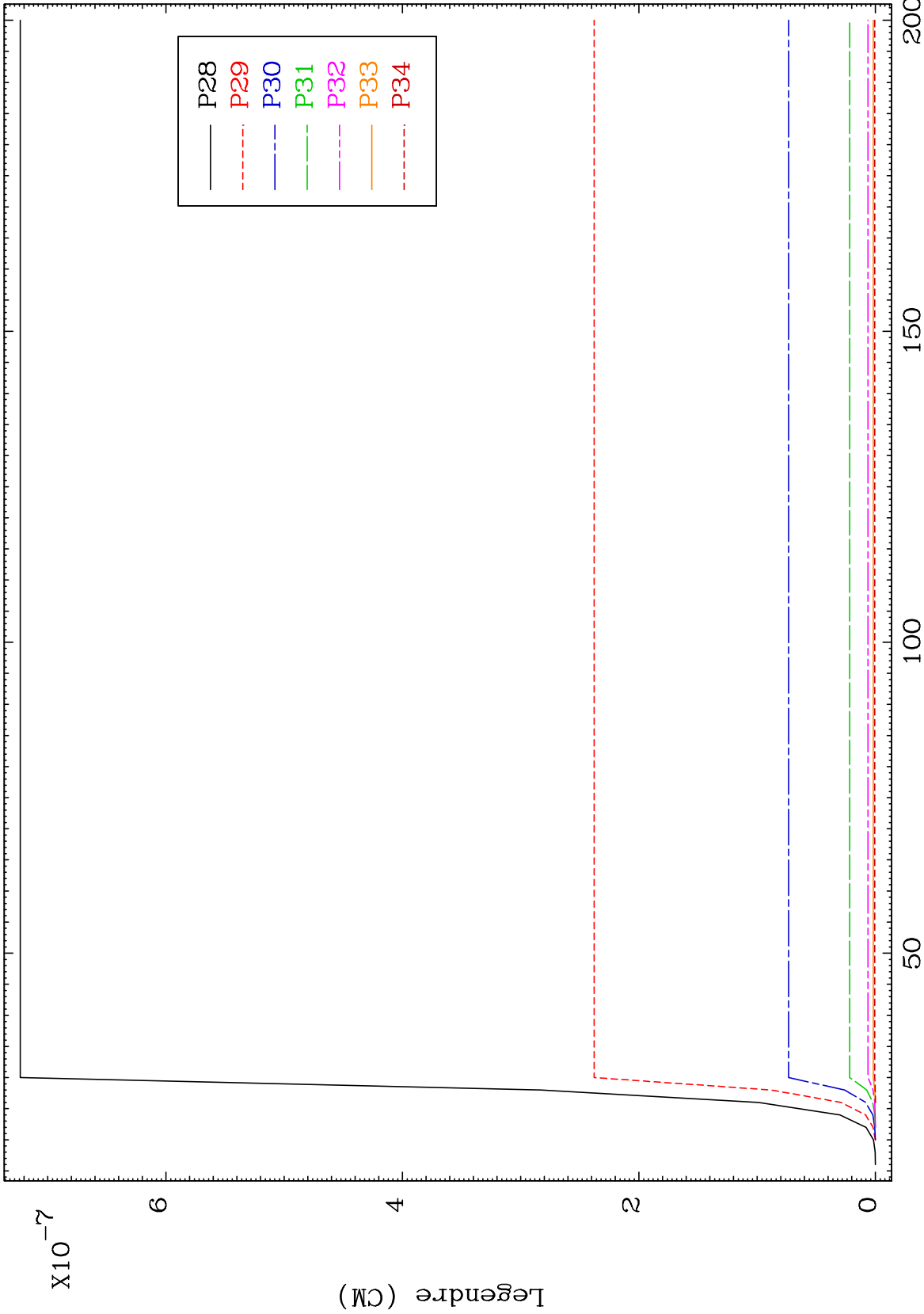
Incident Energy (MeV)

41-Nb-87

MAT 4107

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

41-Nb-87



25

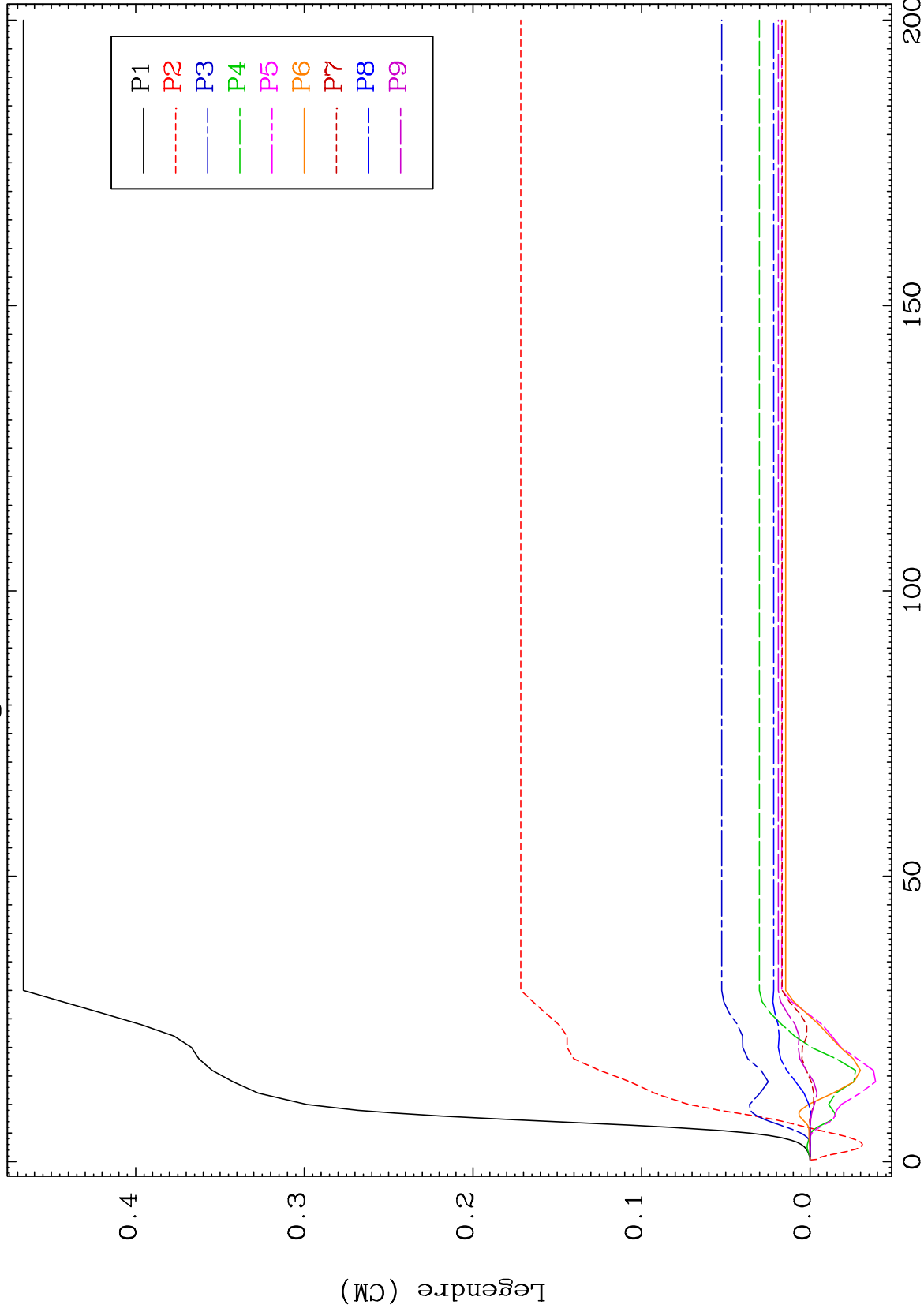
Incident Energy (MeV)

41-Nb-87

MAT 4107

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

41-Nb-87



26

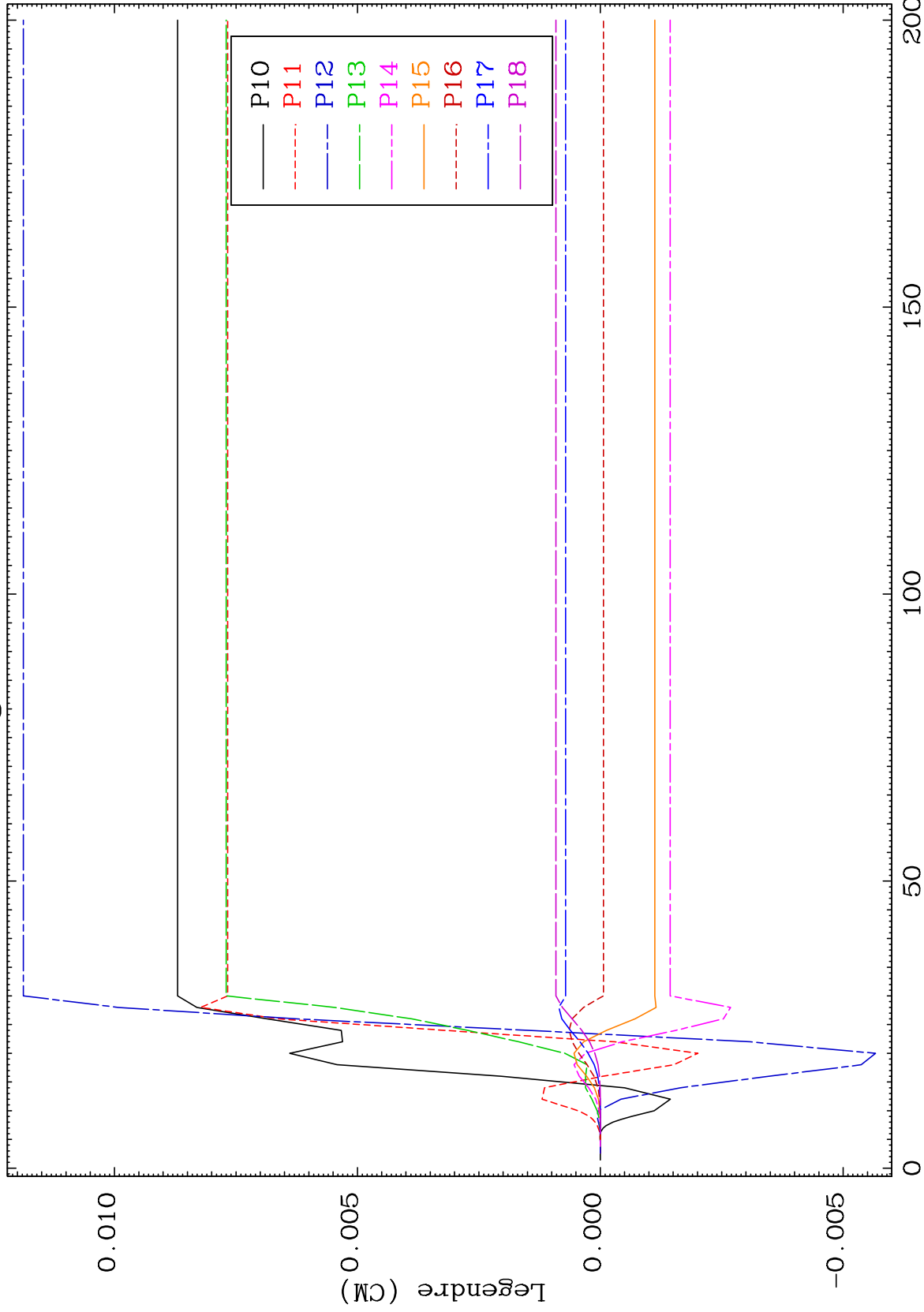
Incident Energy (MeV)

41-Nb-87

MAT 4107

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

41-Nb-87



27

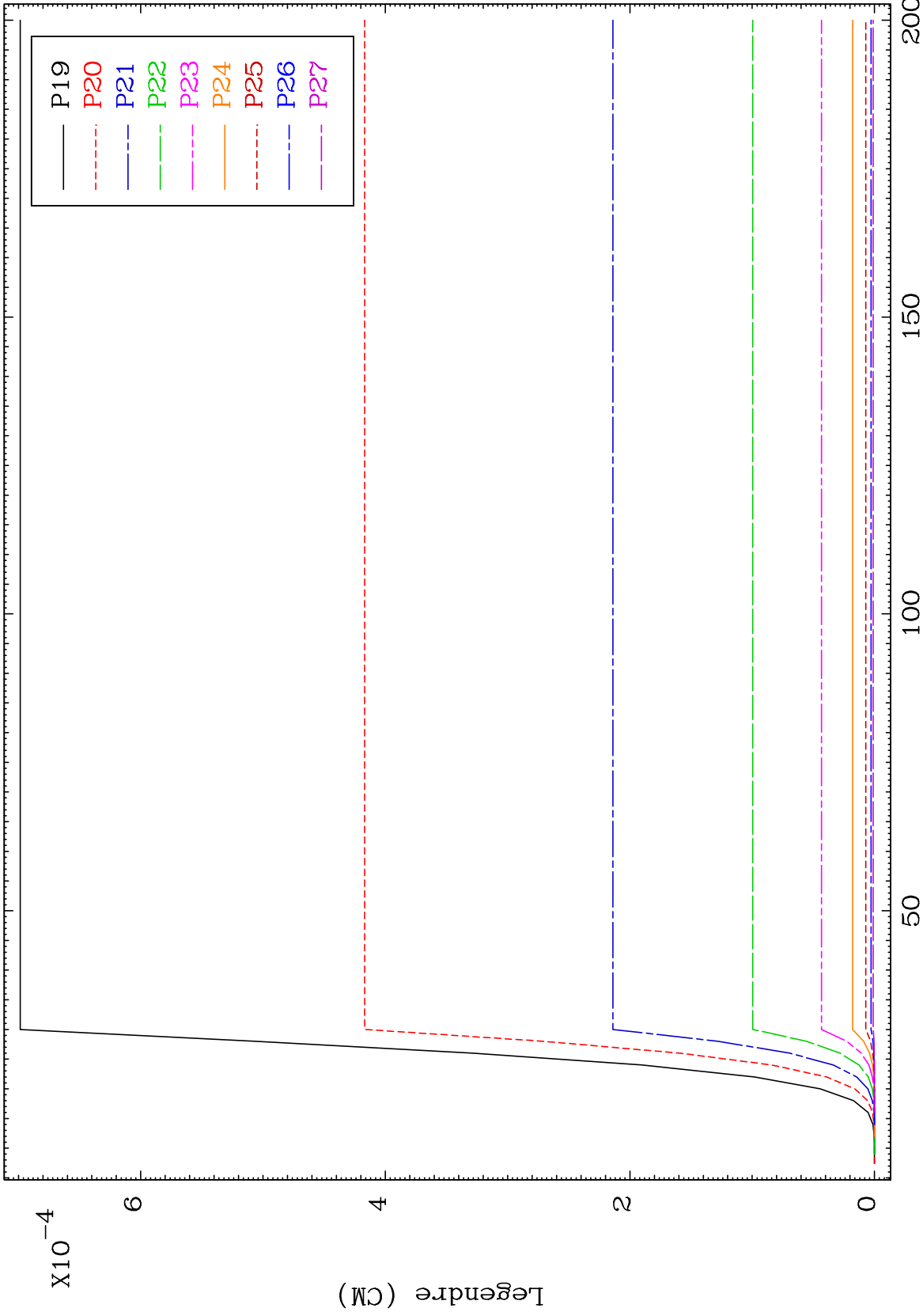
Incident Energy (MeV)

41-Nb-87

MAT 4107

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

41-Nb-87



28

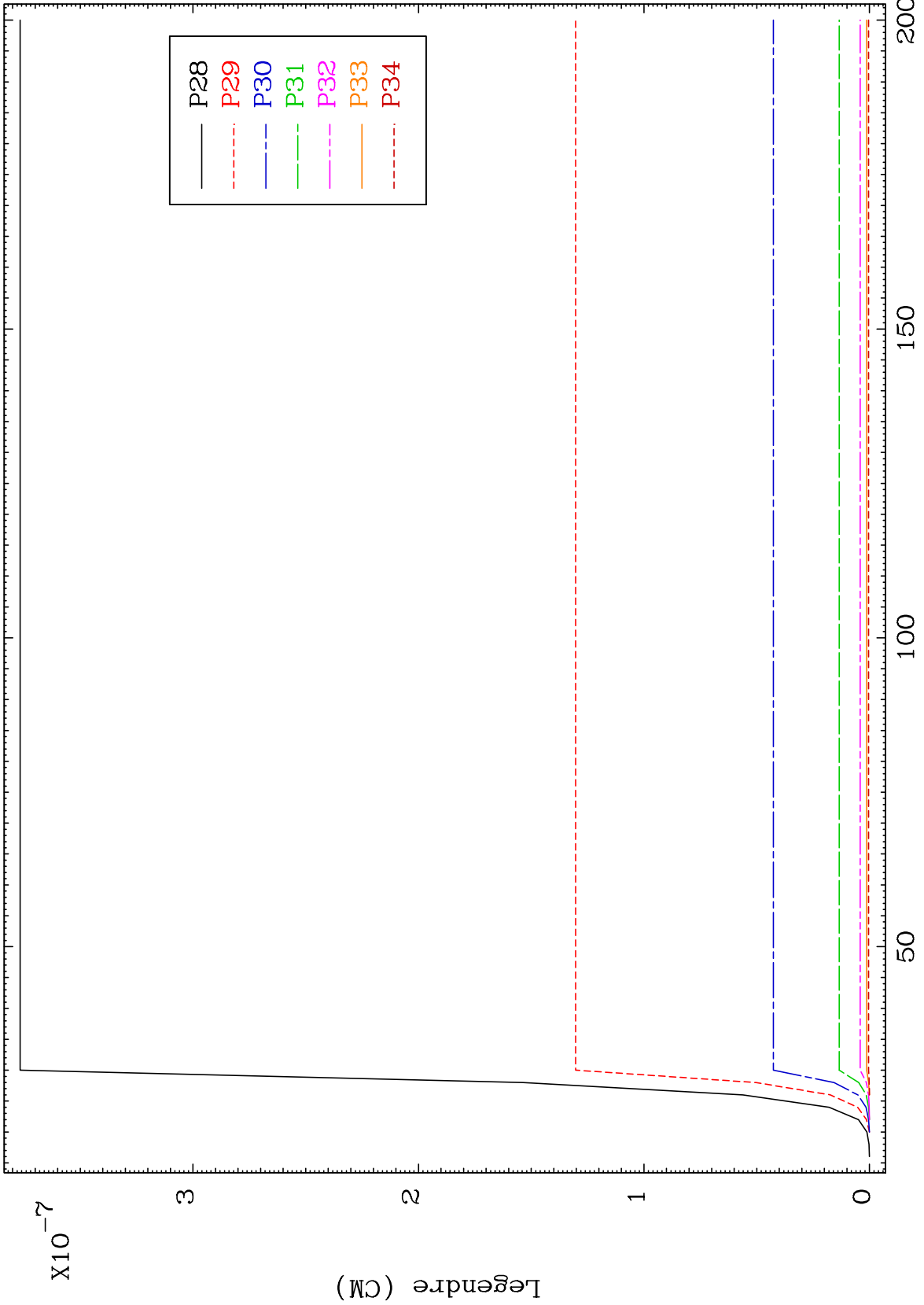
Incident Energy (MeV)

41-Nb-87

MAT 4107

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

41-Nb-87



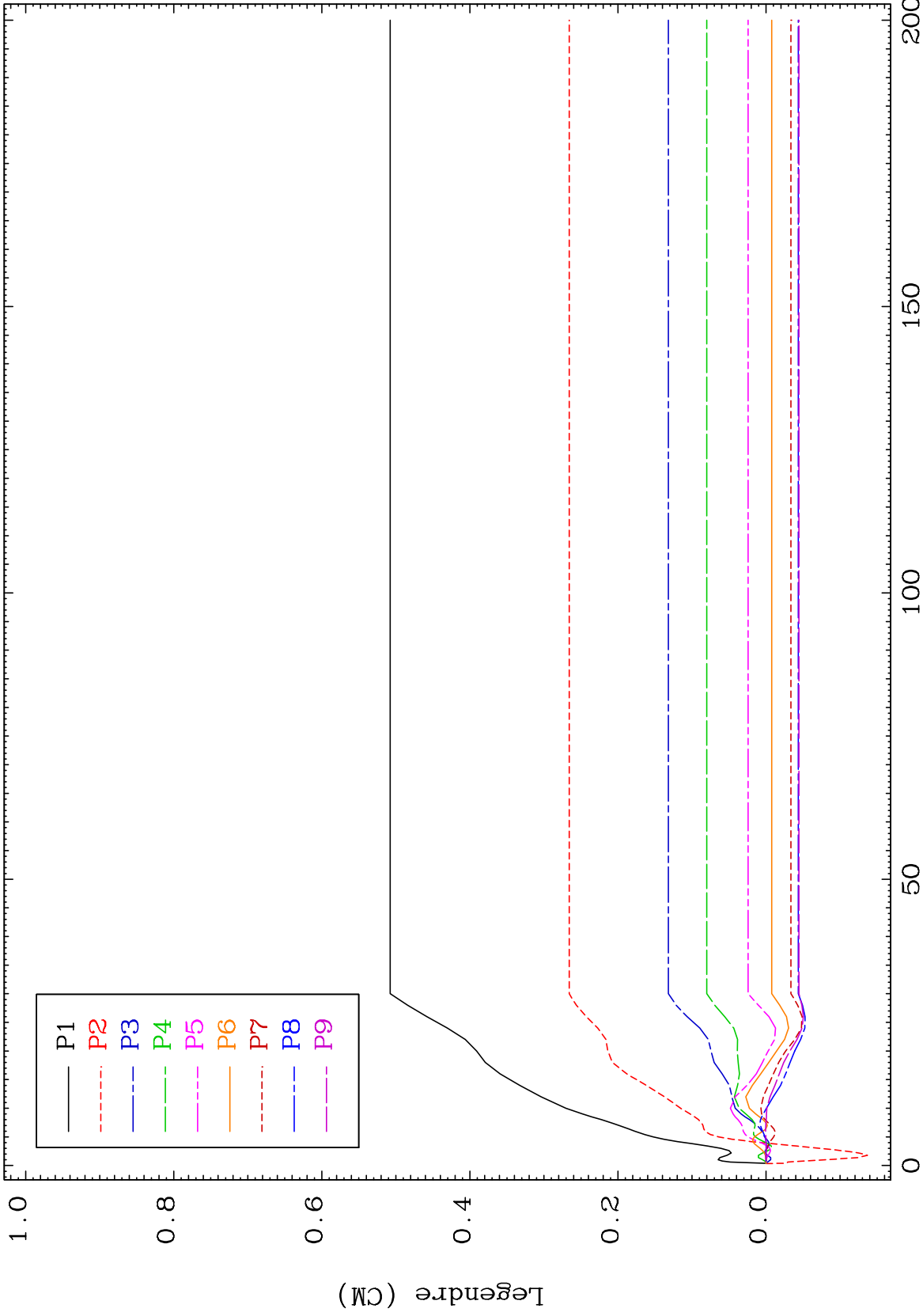
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41-Nb-87

MAT 4107

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

41-Nb-87



41-Nb-87

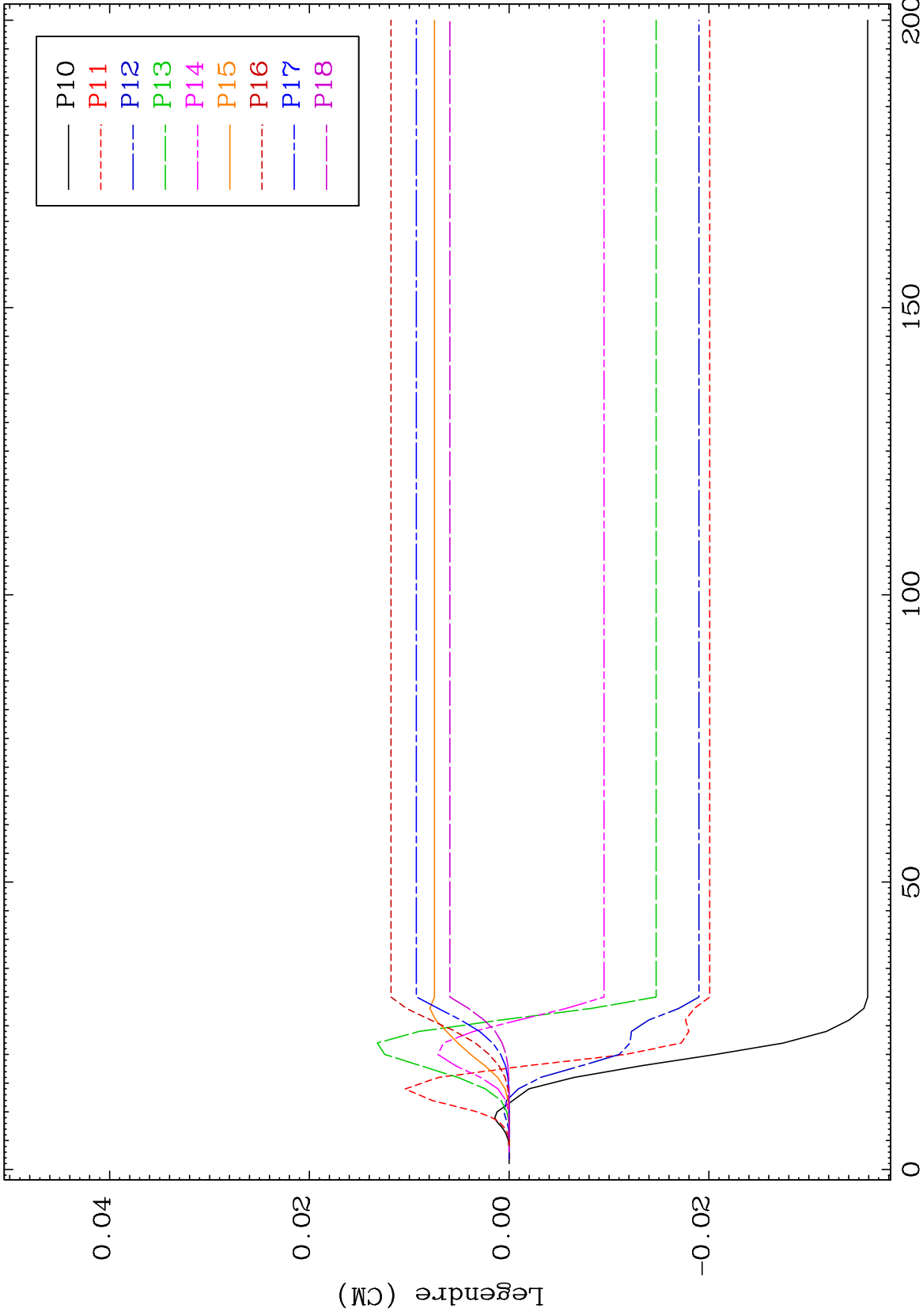
Incident Energy (MeV)

30

MAT 4107

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

41-Nb-87



31

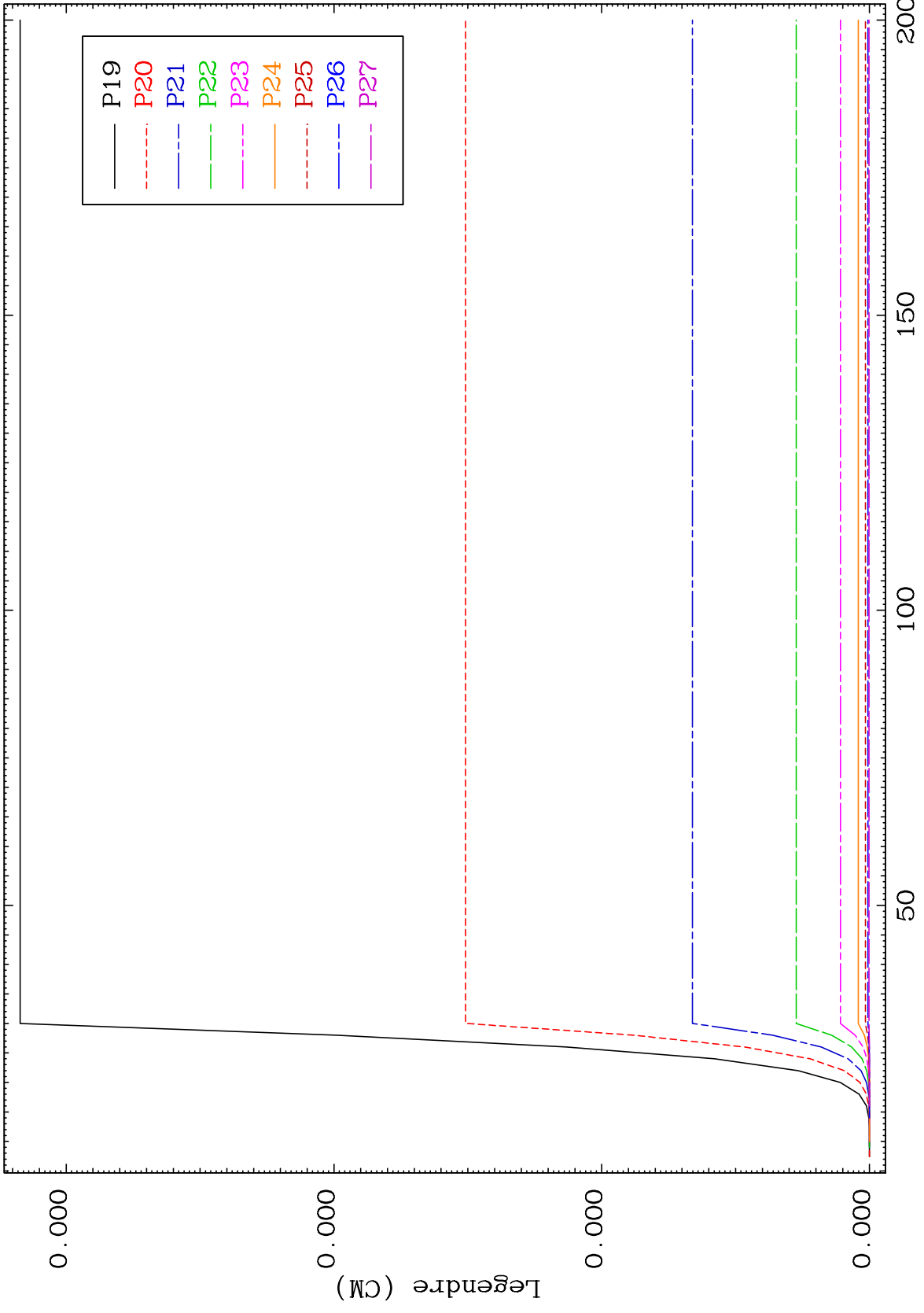
Incident Energy (MeV)

41-Nb-87

MAT 4107

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

41-Nb-87



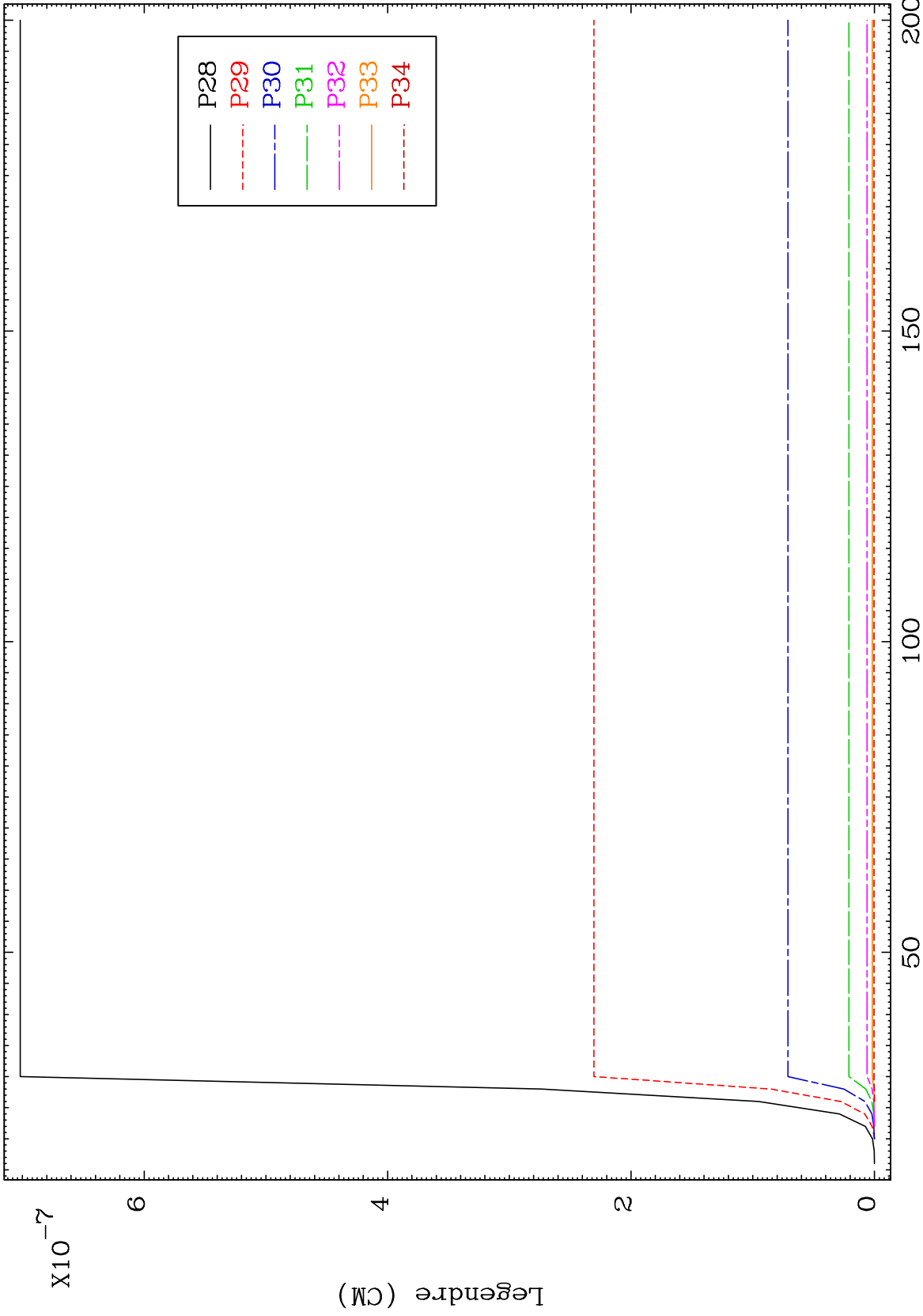
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41-Nb-87

MAT 4107

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

41-Nb-87



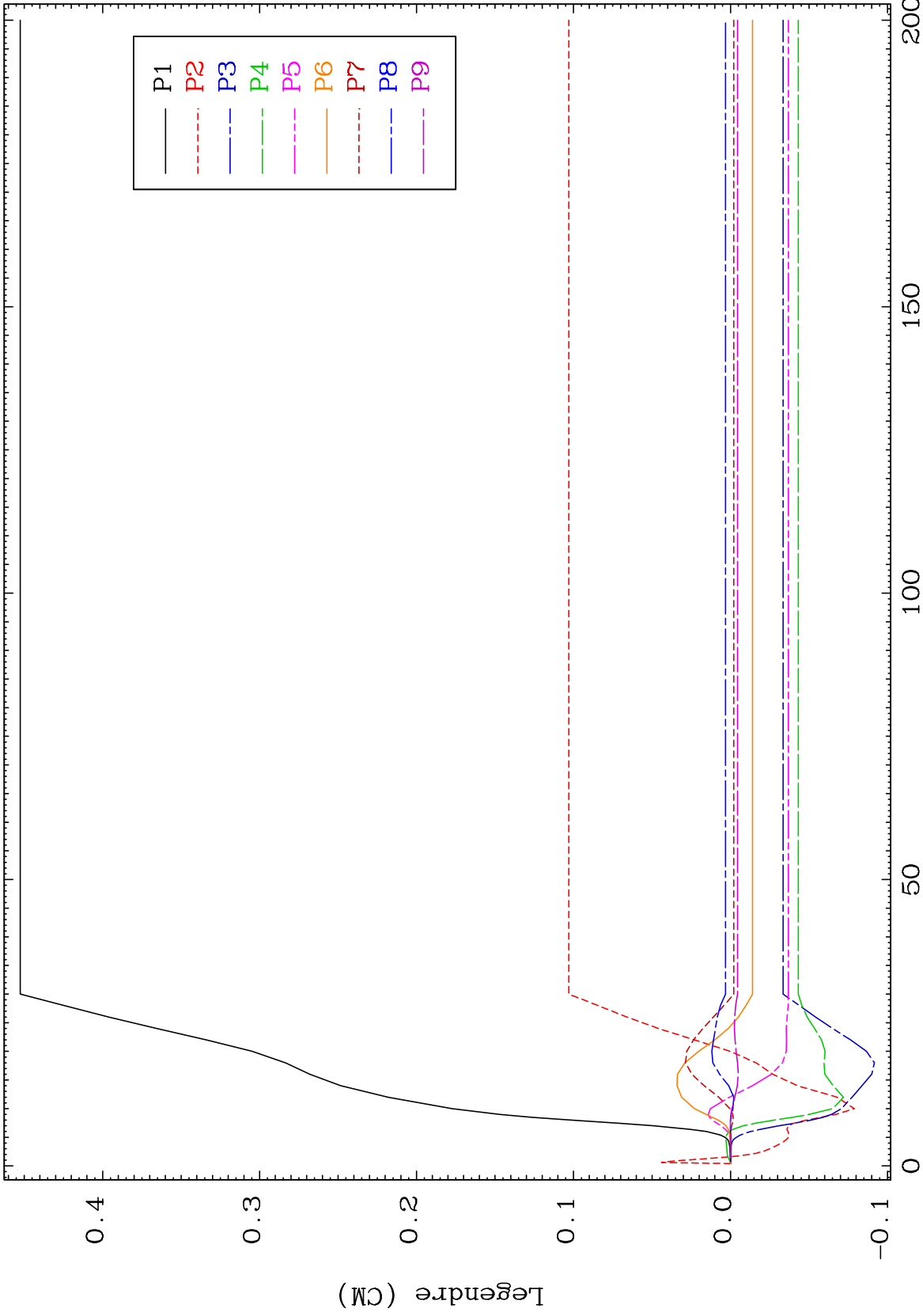
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41-Nb-87

MAT 4107

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

41-Nb-87



34

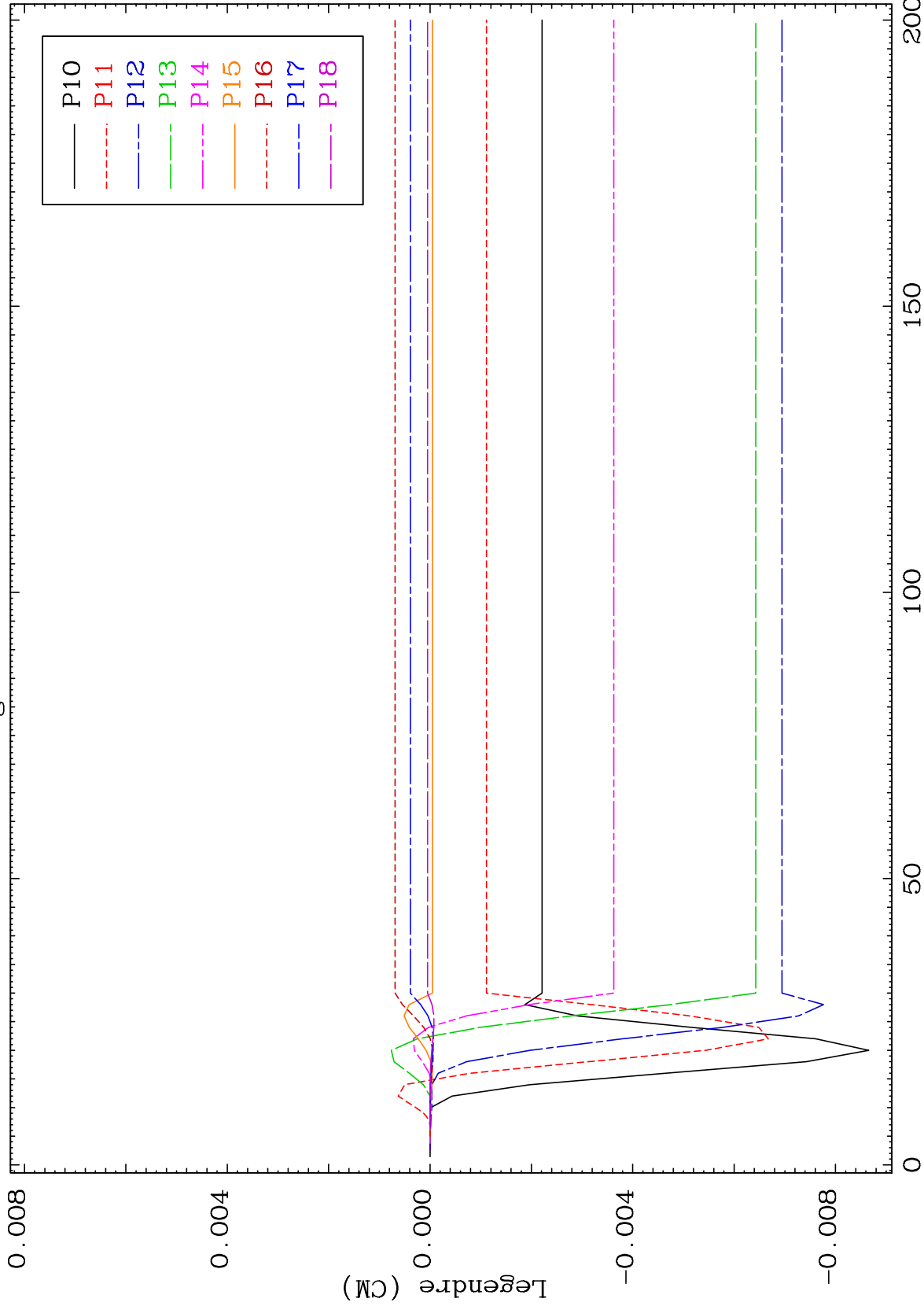
Incident Energy (MeV)

41-Nb-87

MAT 4107

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

41-Nb-87



41-Nb-87

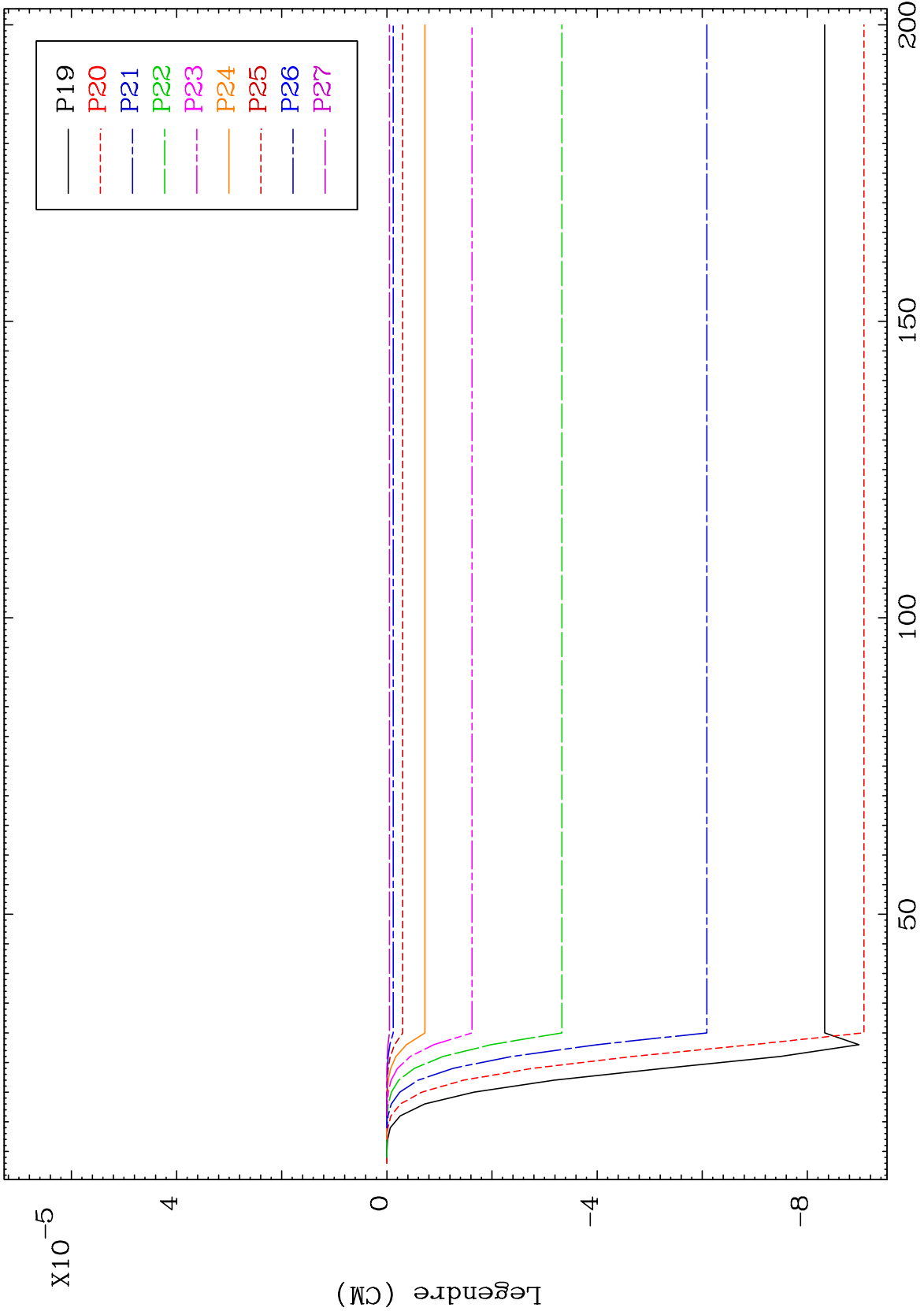
Incident Energy (MeV)

35

MAT 4107

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

41-Nb-87



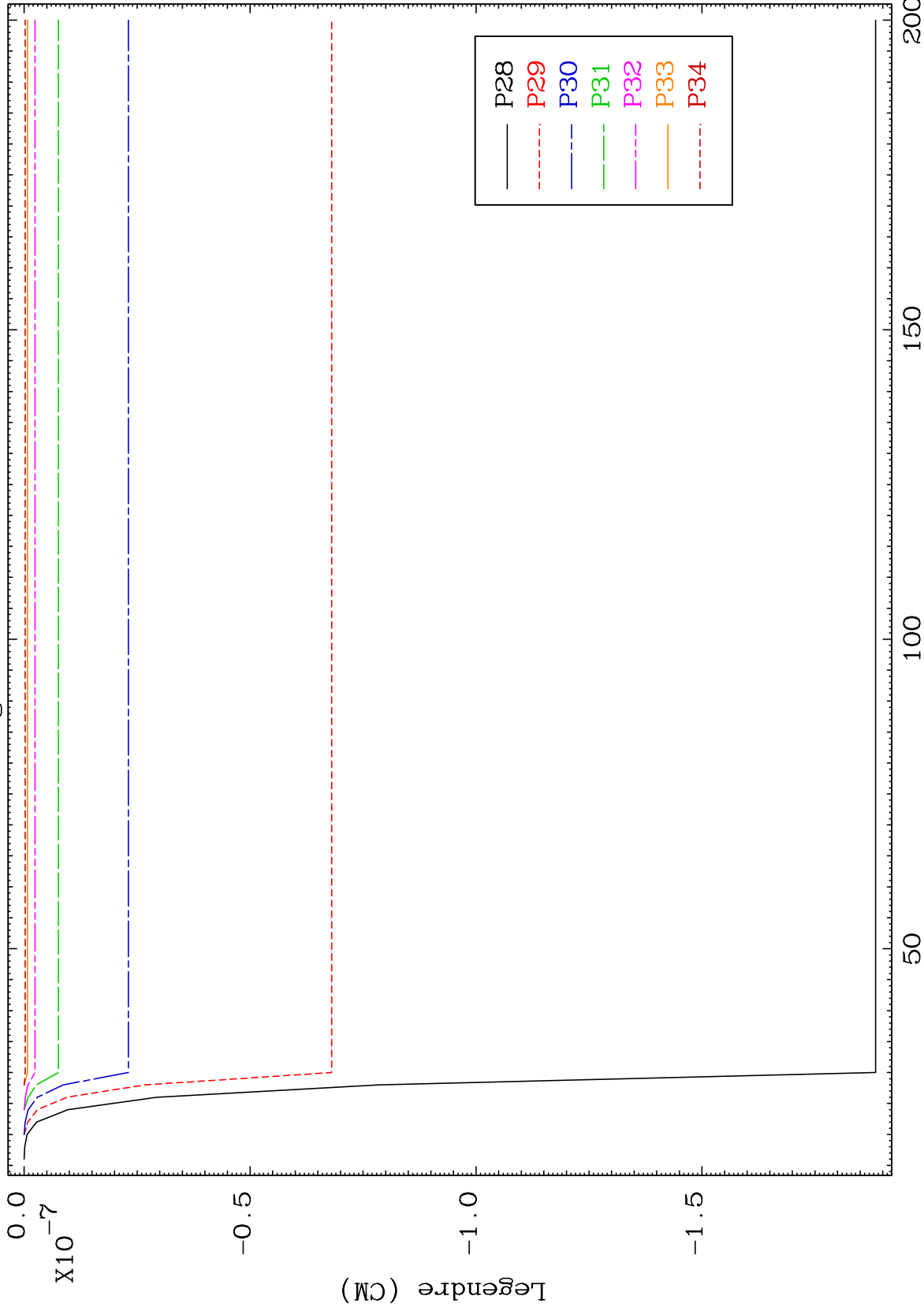
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41-Nb-87

MAT 4107

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

41-Nb-87



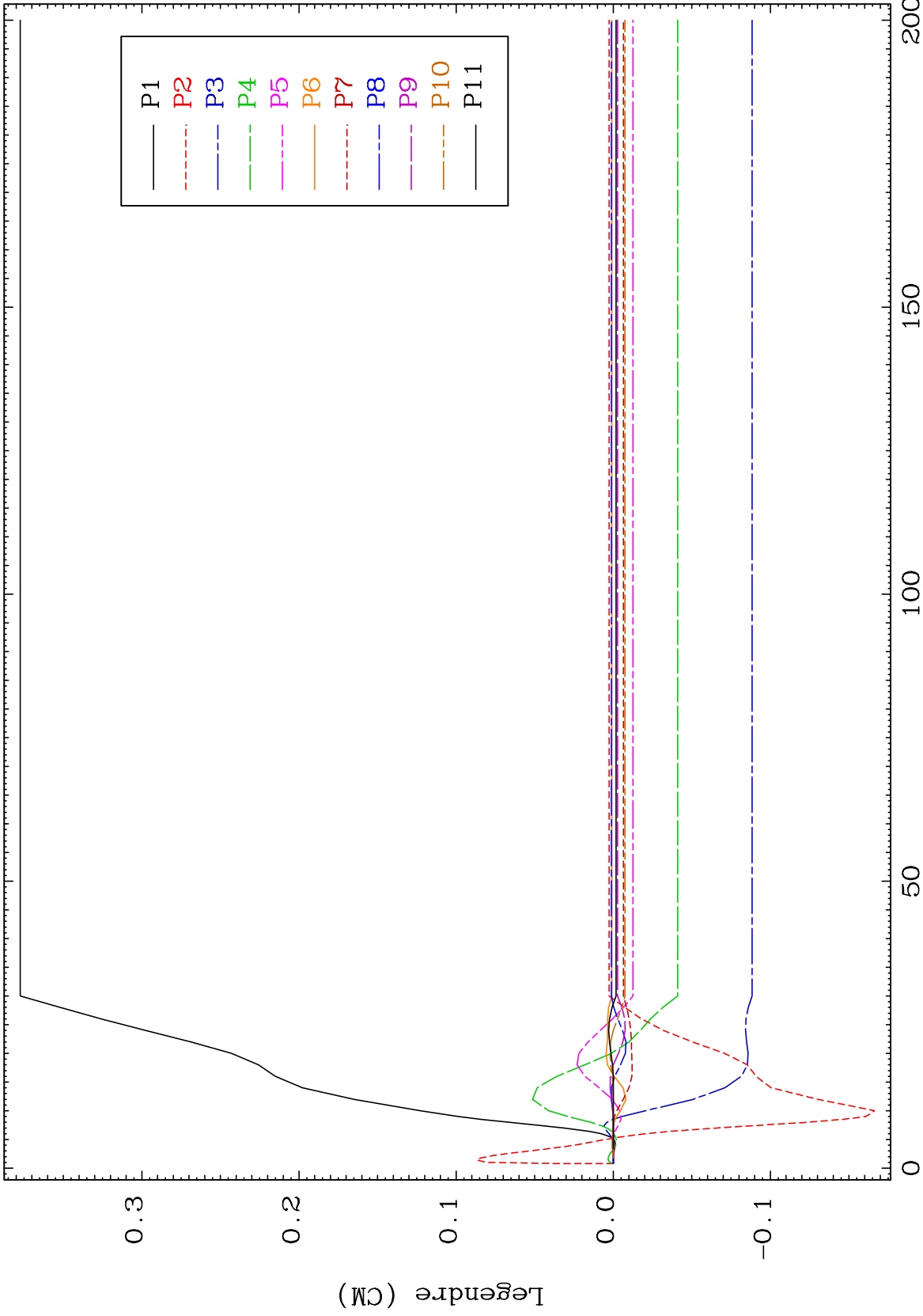
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41-Nb-87

MAT 4107

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

41-Nb-87



38

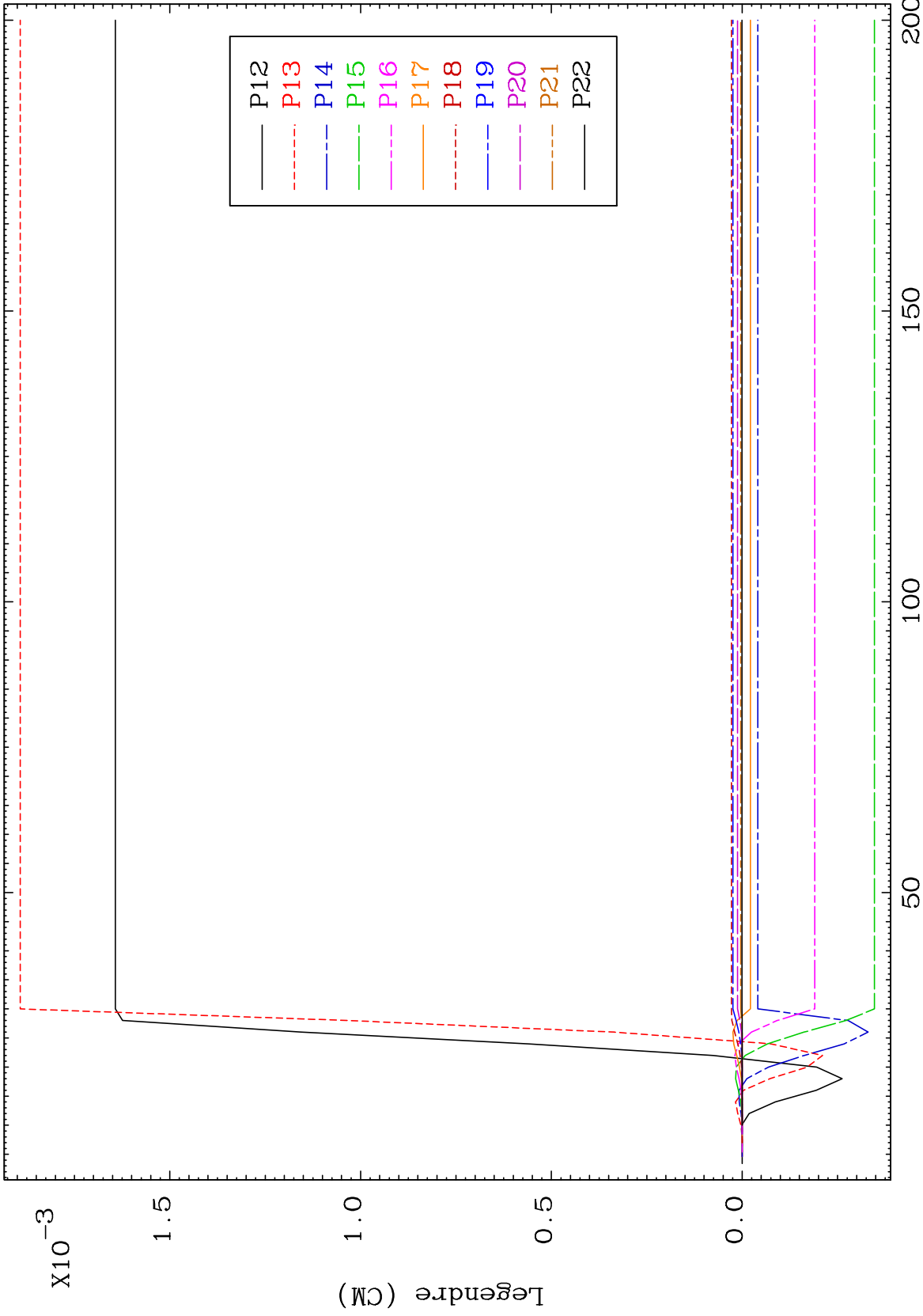
Incident Energy (MeV)

41-Nb-87

MAT 4107

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

41-Nb-87



39

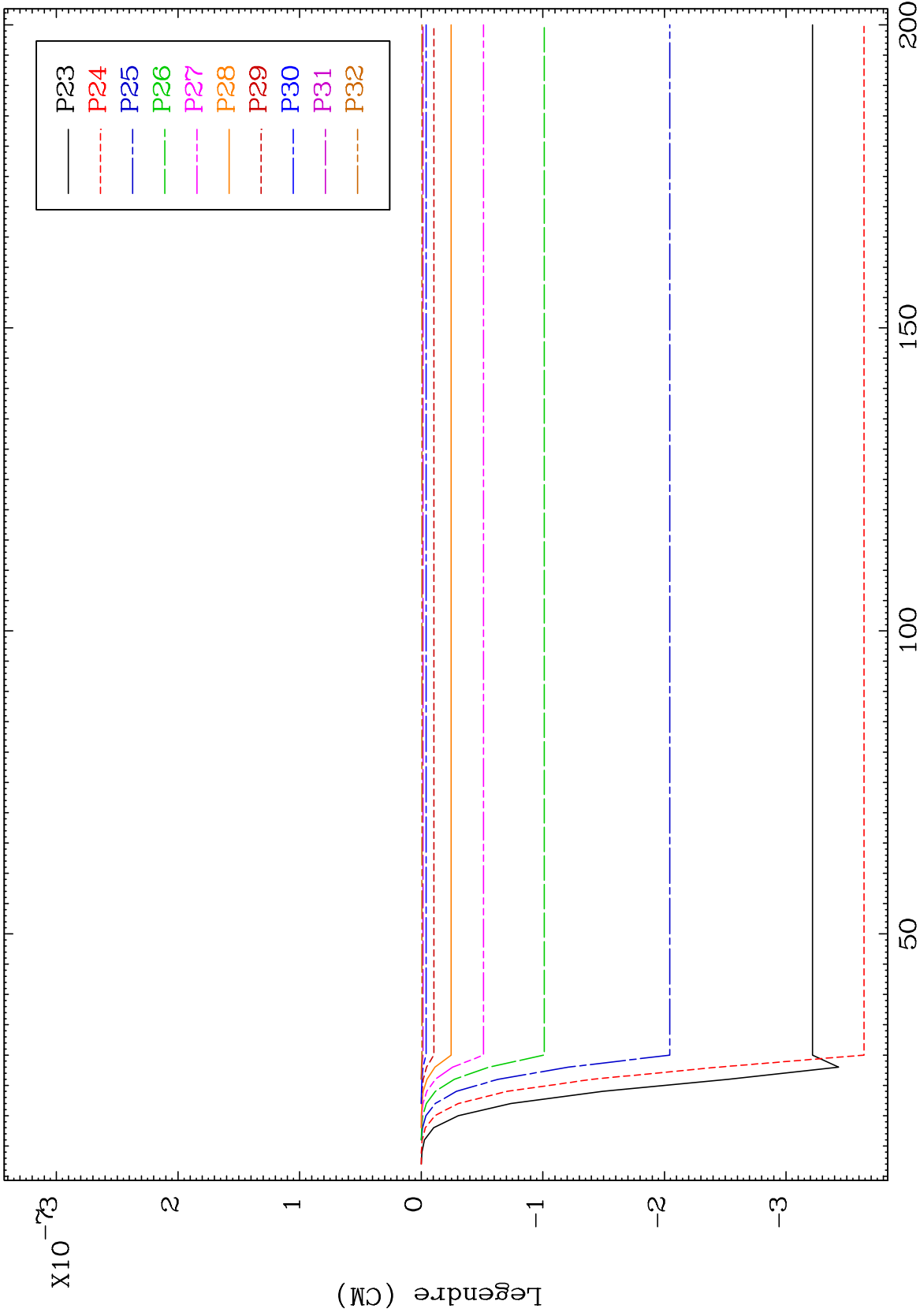
Incident Energy (MeV)

41-Nb-87

MAT 4107

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

41-Nb-87



40

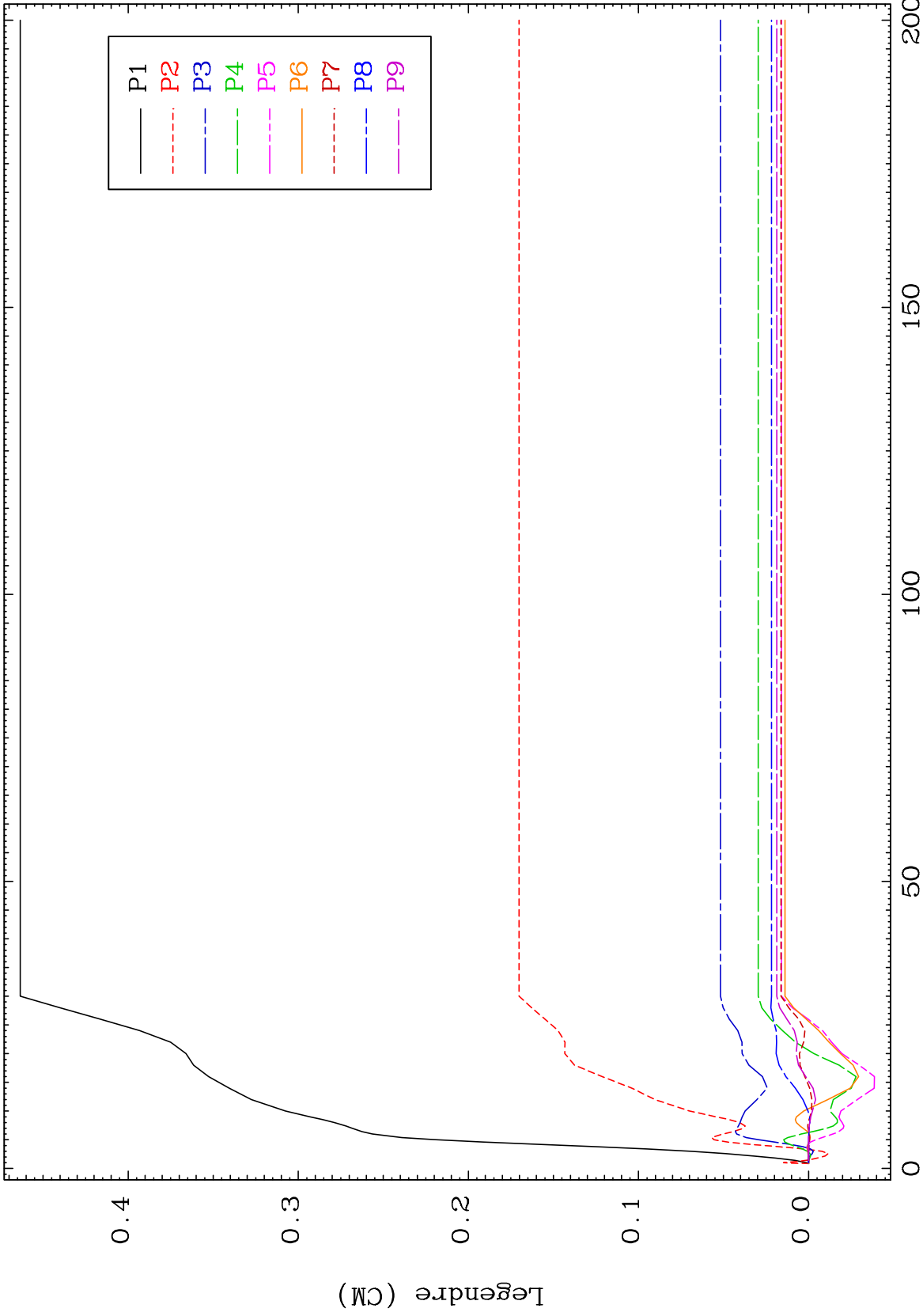
Incident Energy (MeV)

41-Nb-87

MAT 4107

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

41-Nb-87



41

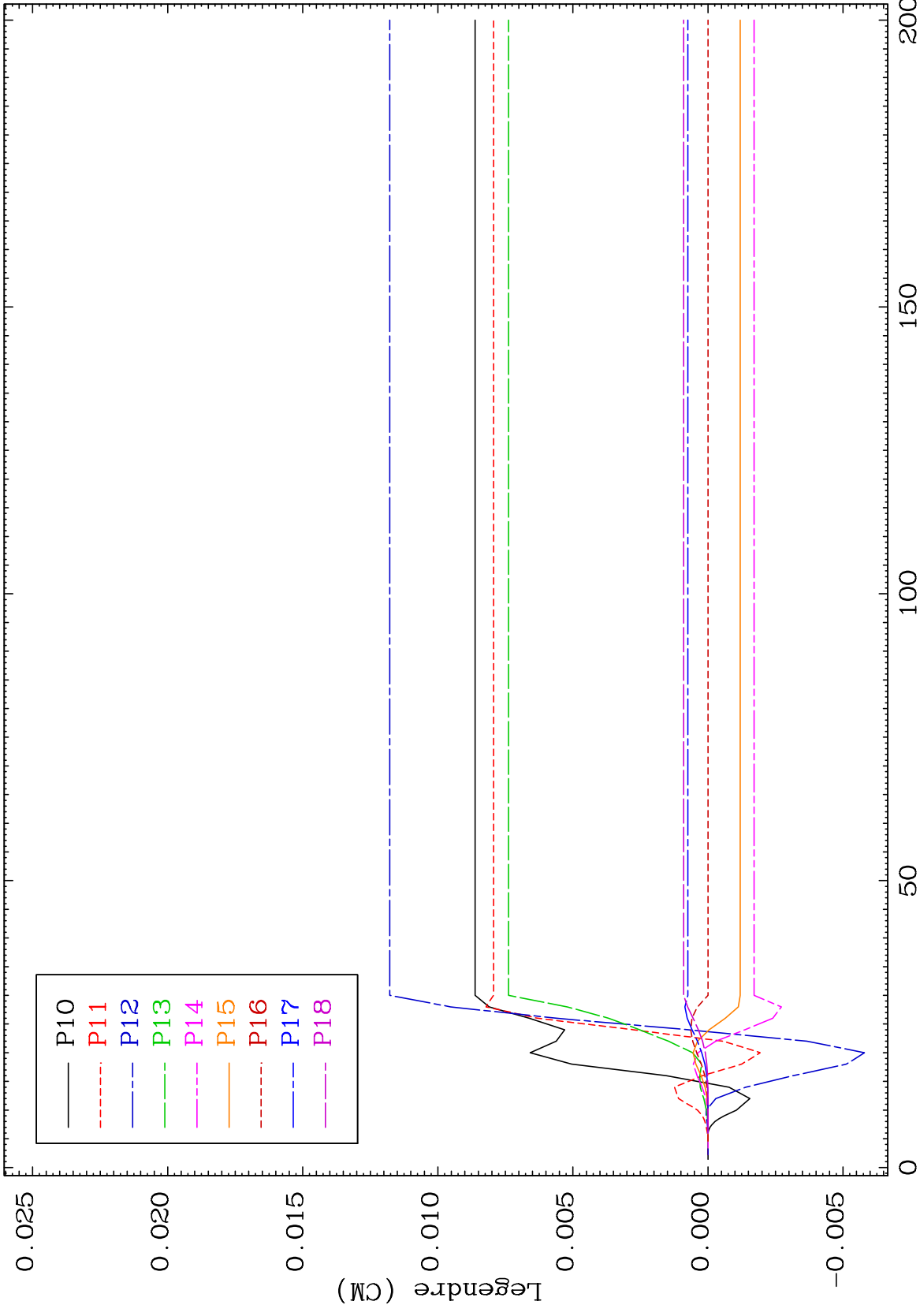
Incident Energy (MeV)

41-Nb-87

MAT 4107

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

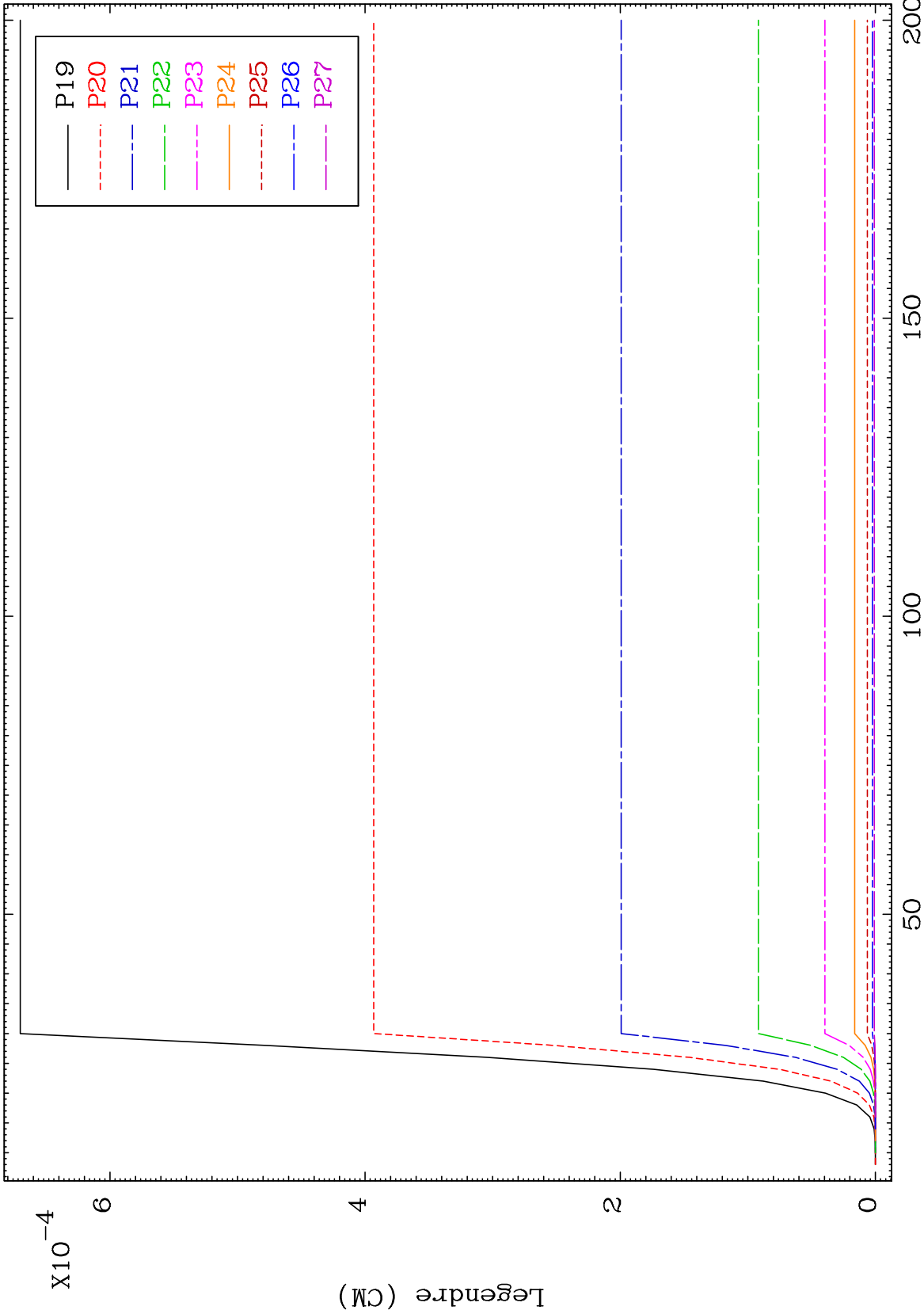
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42

Incident Energy (MeV)

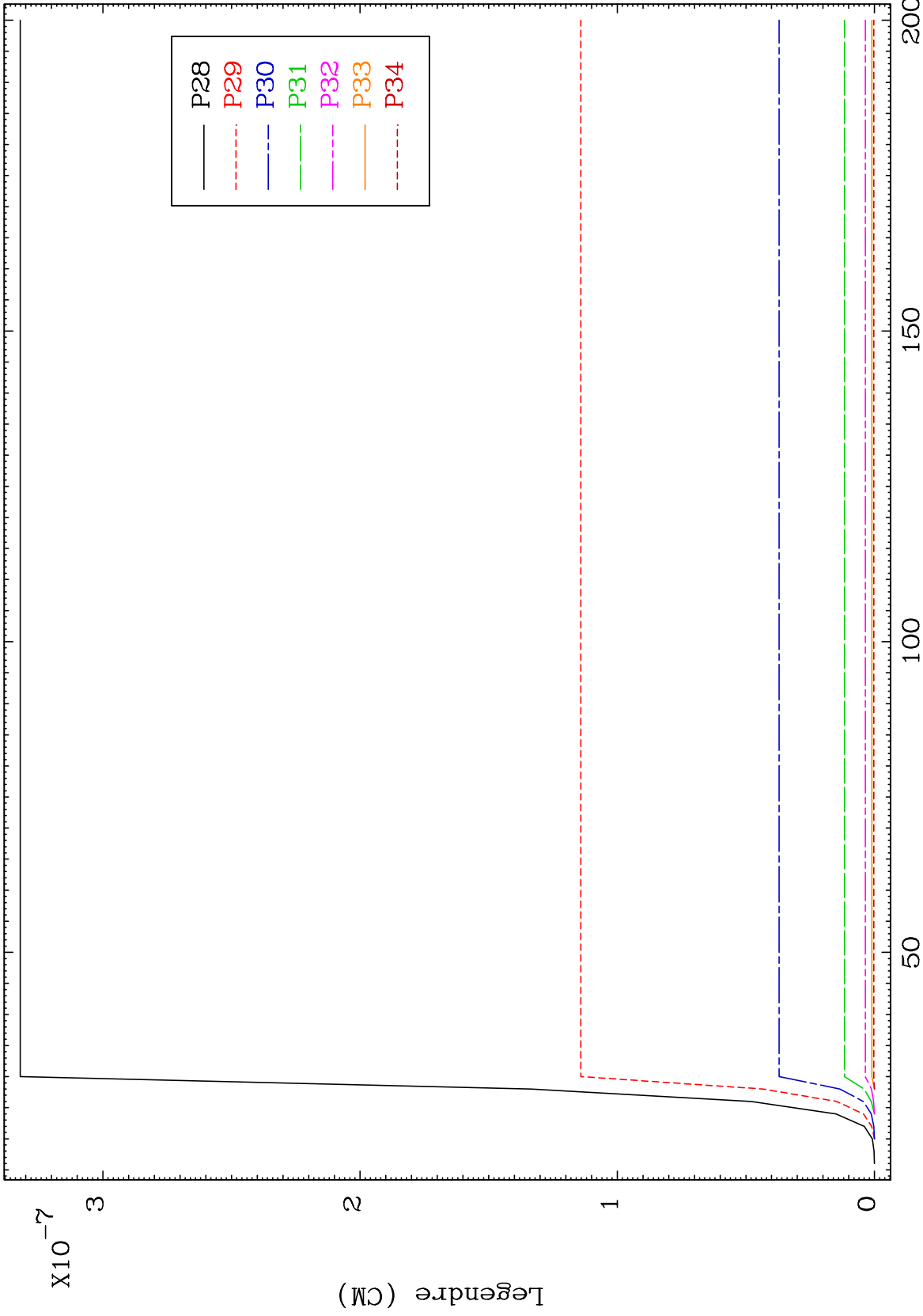
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MAT 4107

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

41-Nb-87



44

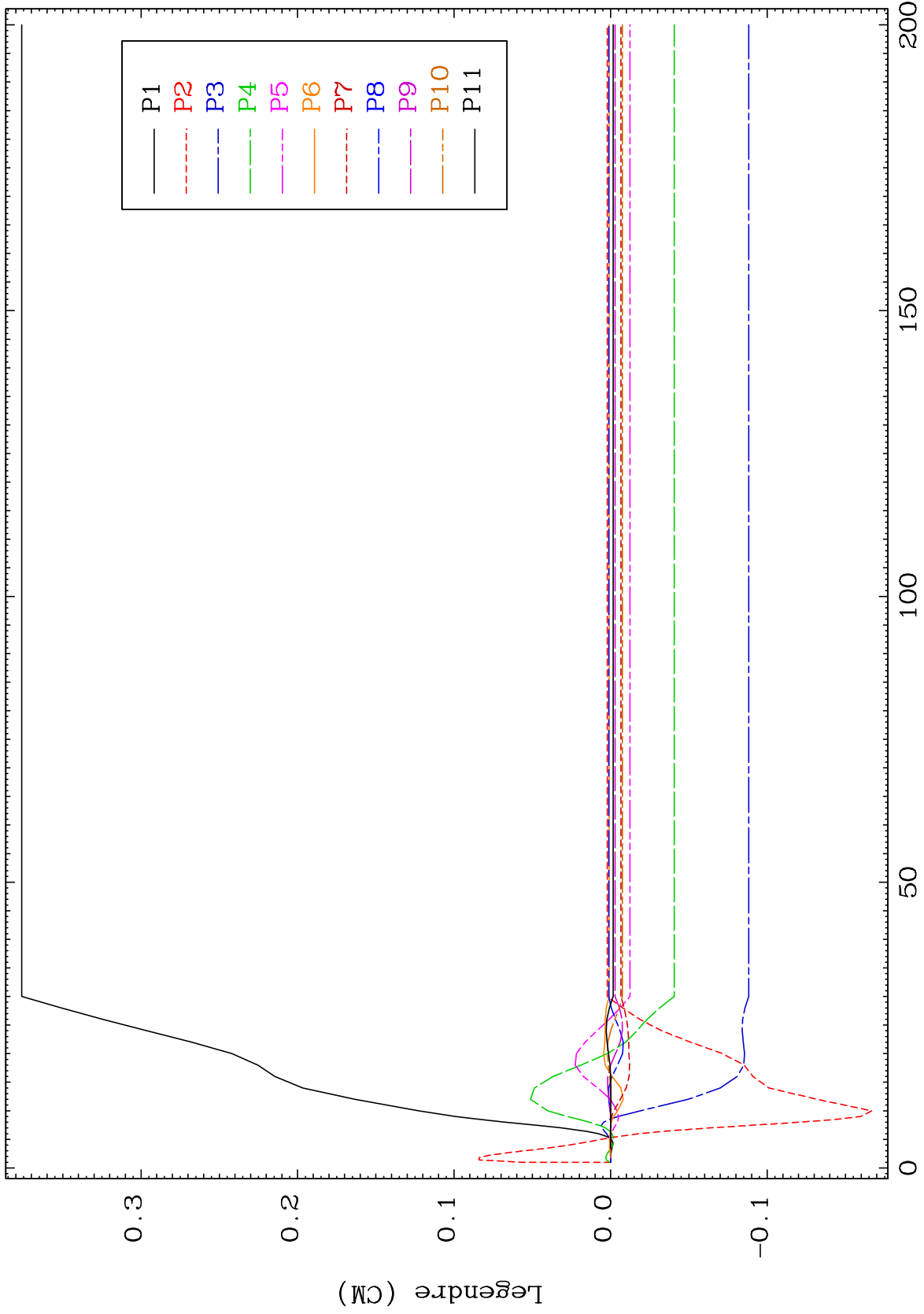
Incident Energy (MeV)

41-Nb-87

MAT 4107

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

41-Nb-87



45

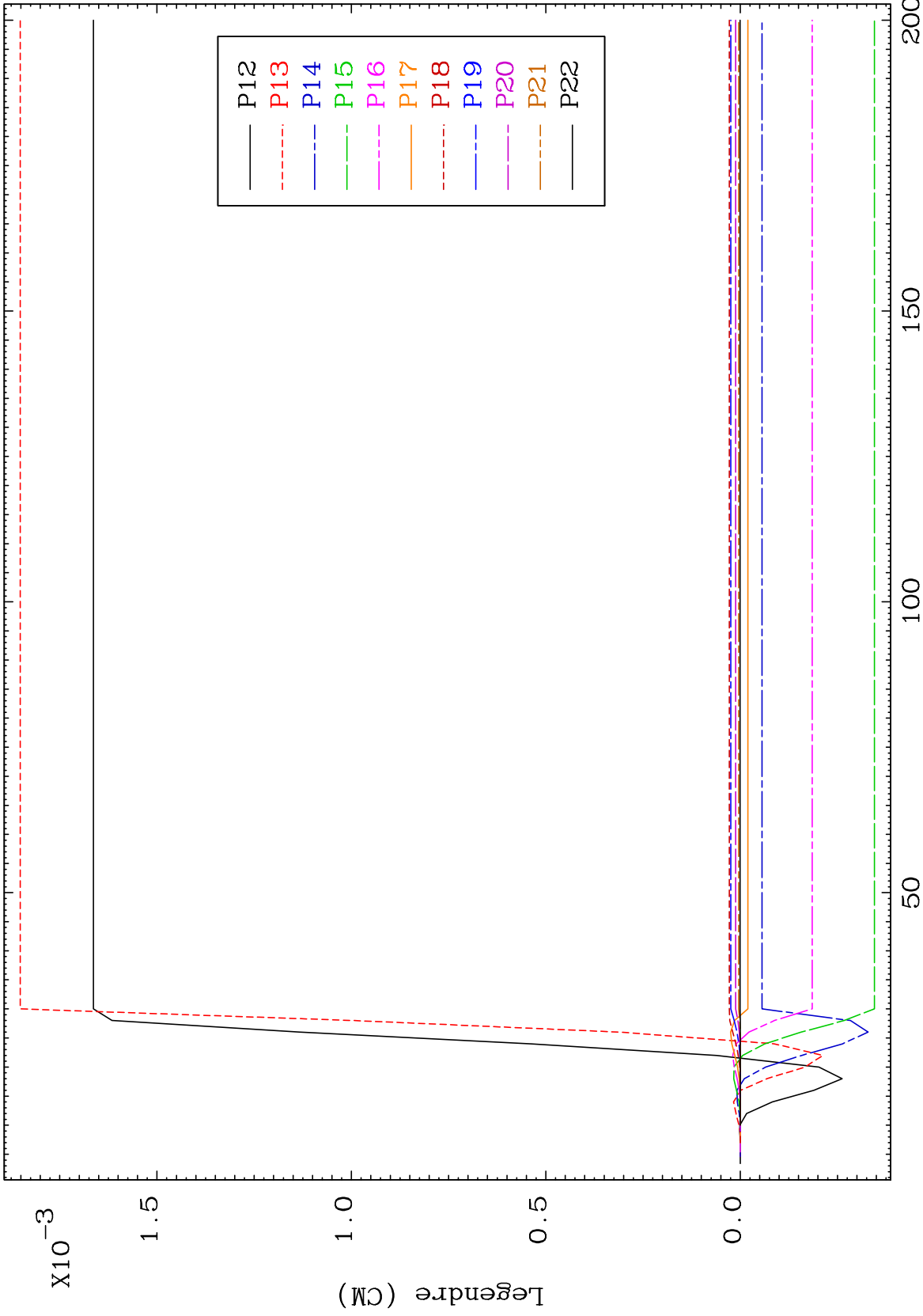
Incident Energy (MeV)

41-Nb-87

MAT 4107

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

41-Nb-87



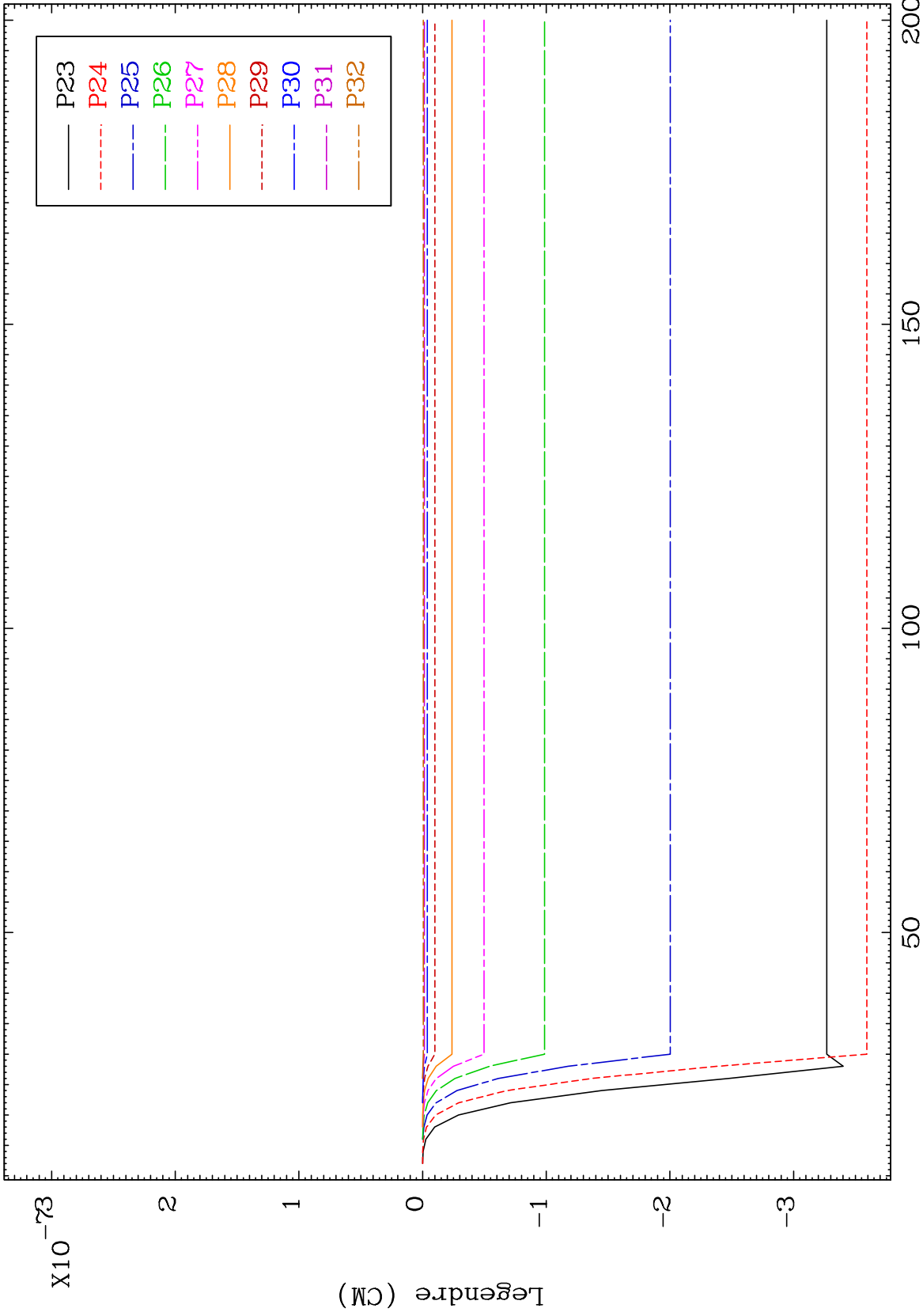
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41-Nb-87

MAT 4107

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

41-Nb-87



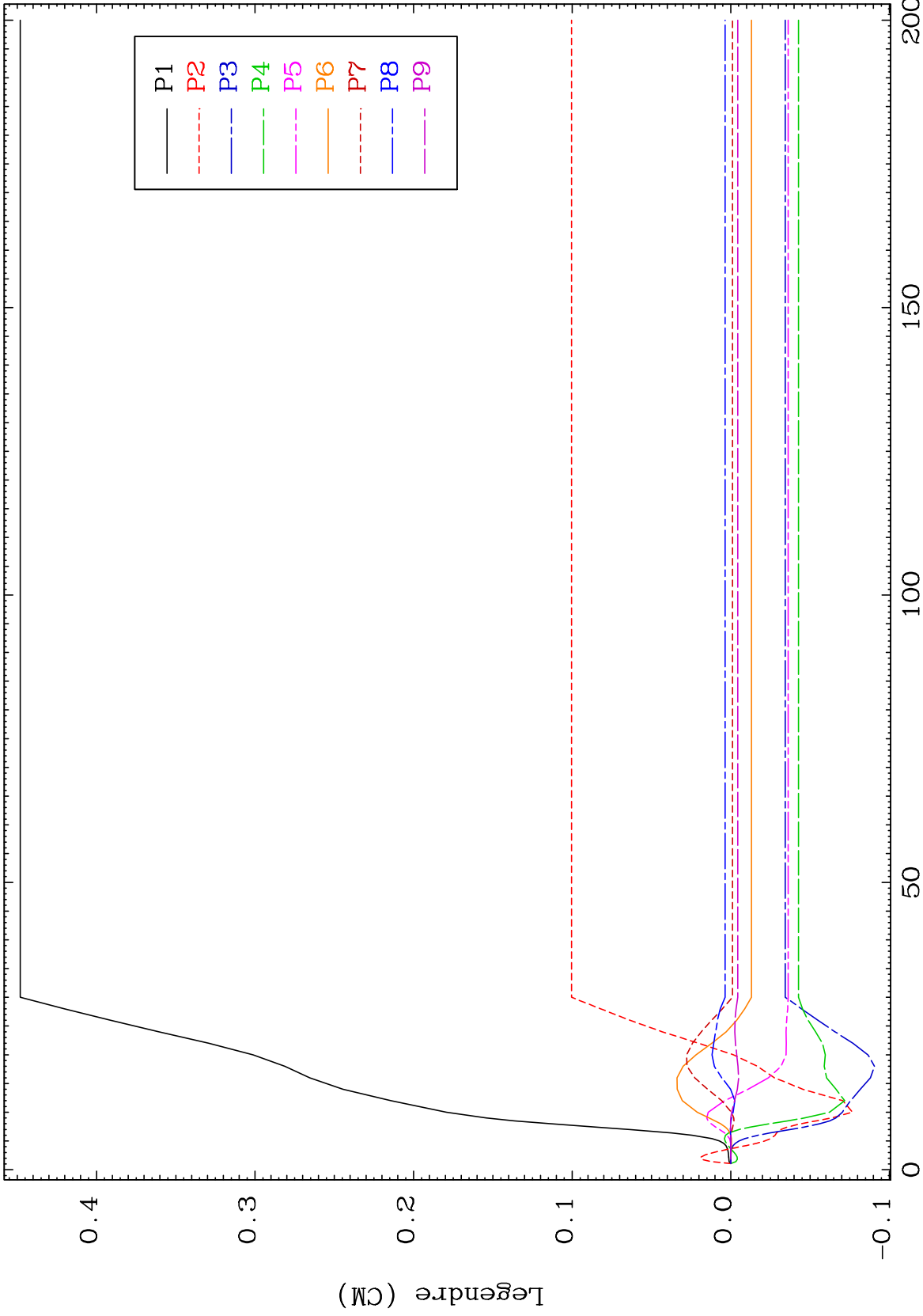
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MAT 4107

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

41-Nb-87

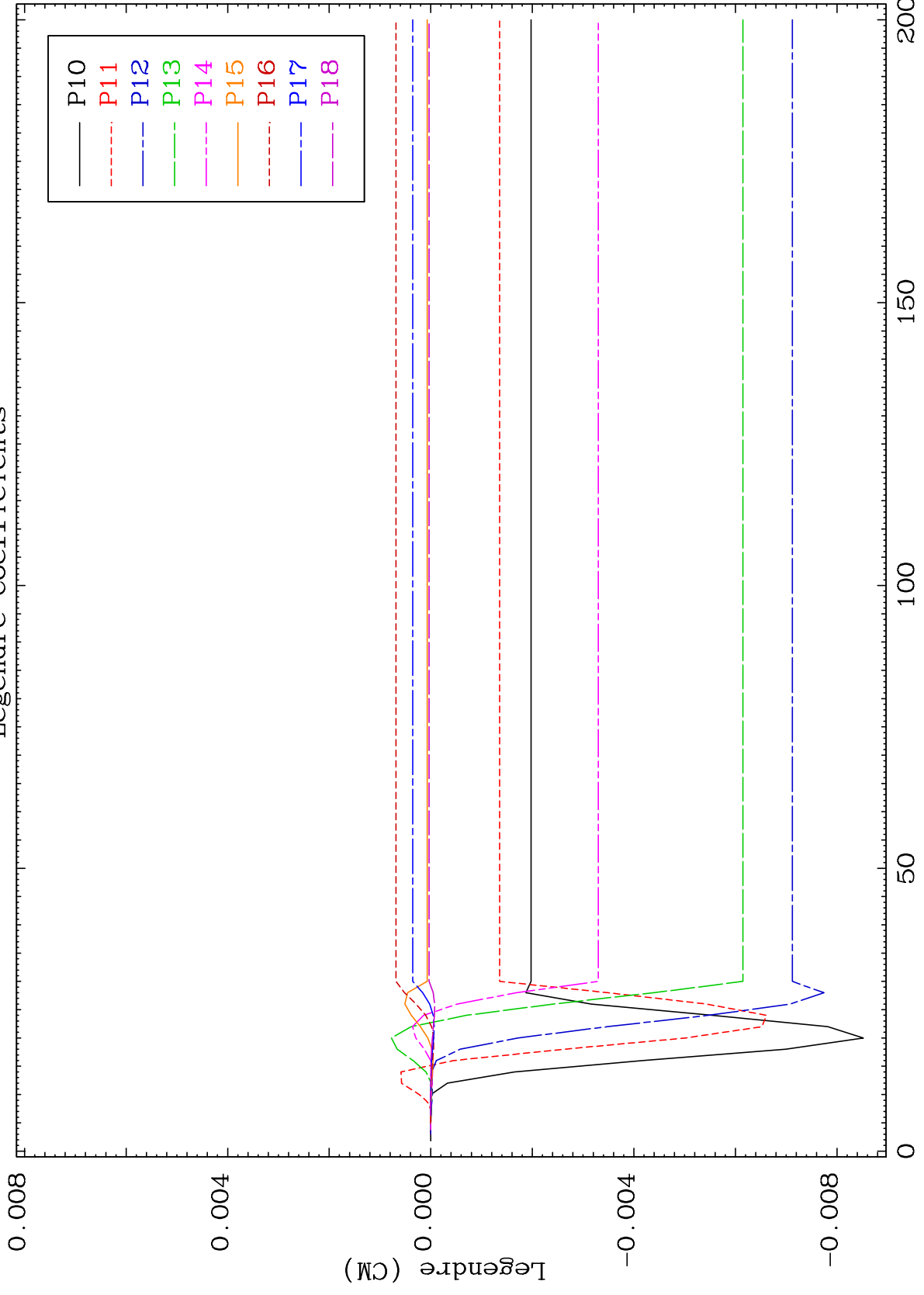


48

Incident Energy (MeV)

41-Nb-87

MAT 4107 MT= 59 (n,n') Level Legendre Coefficients 41-Nb-87

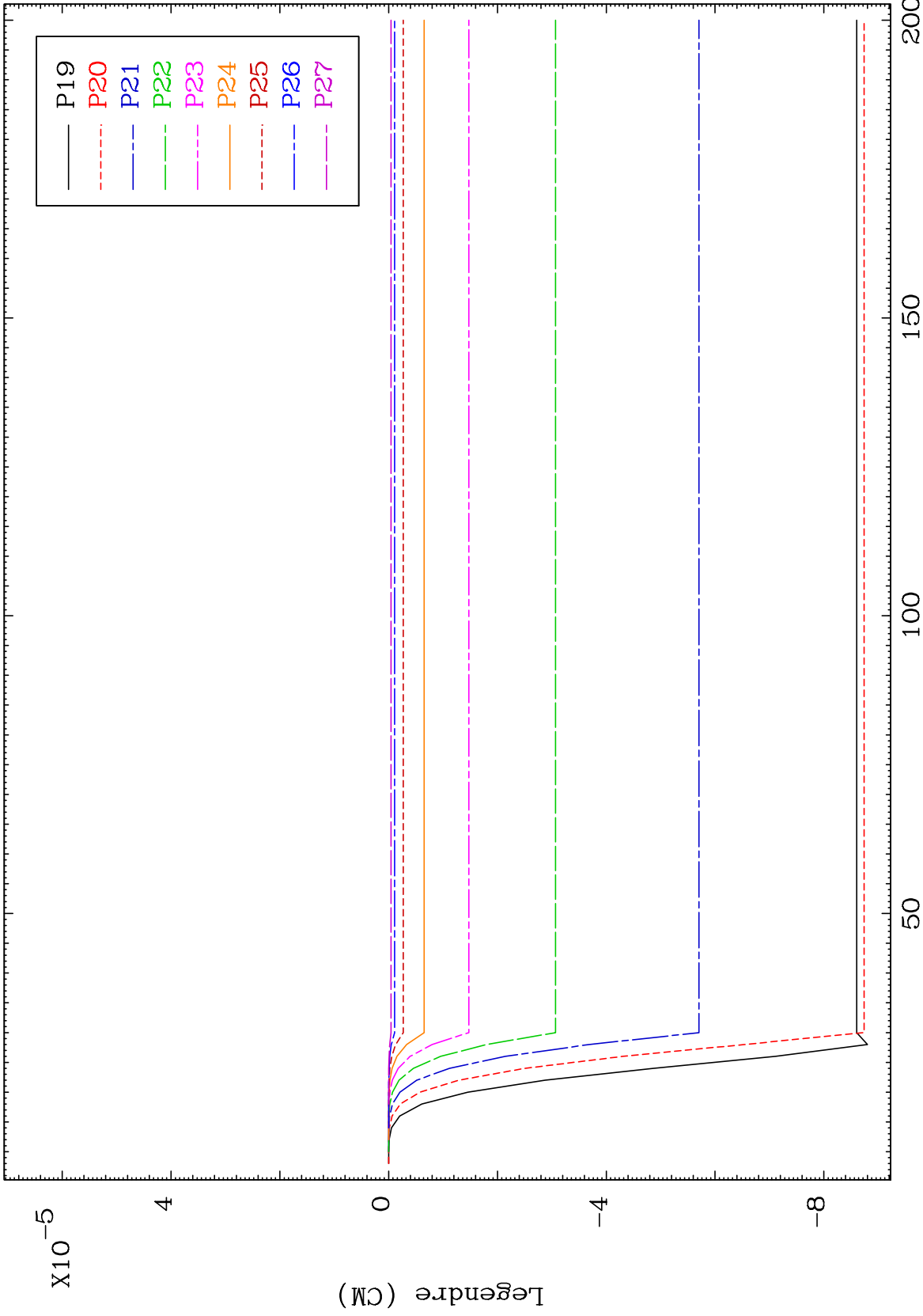


49 41-Nb-87

MAT 4107

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

41-Nb-87



50

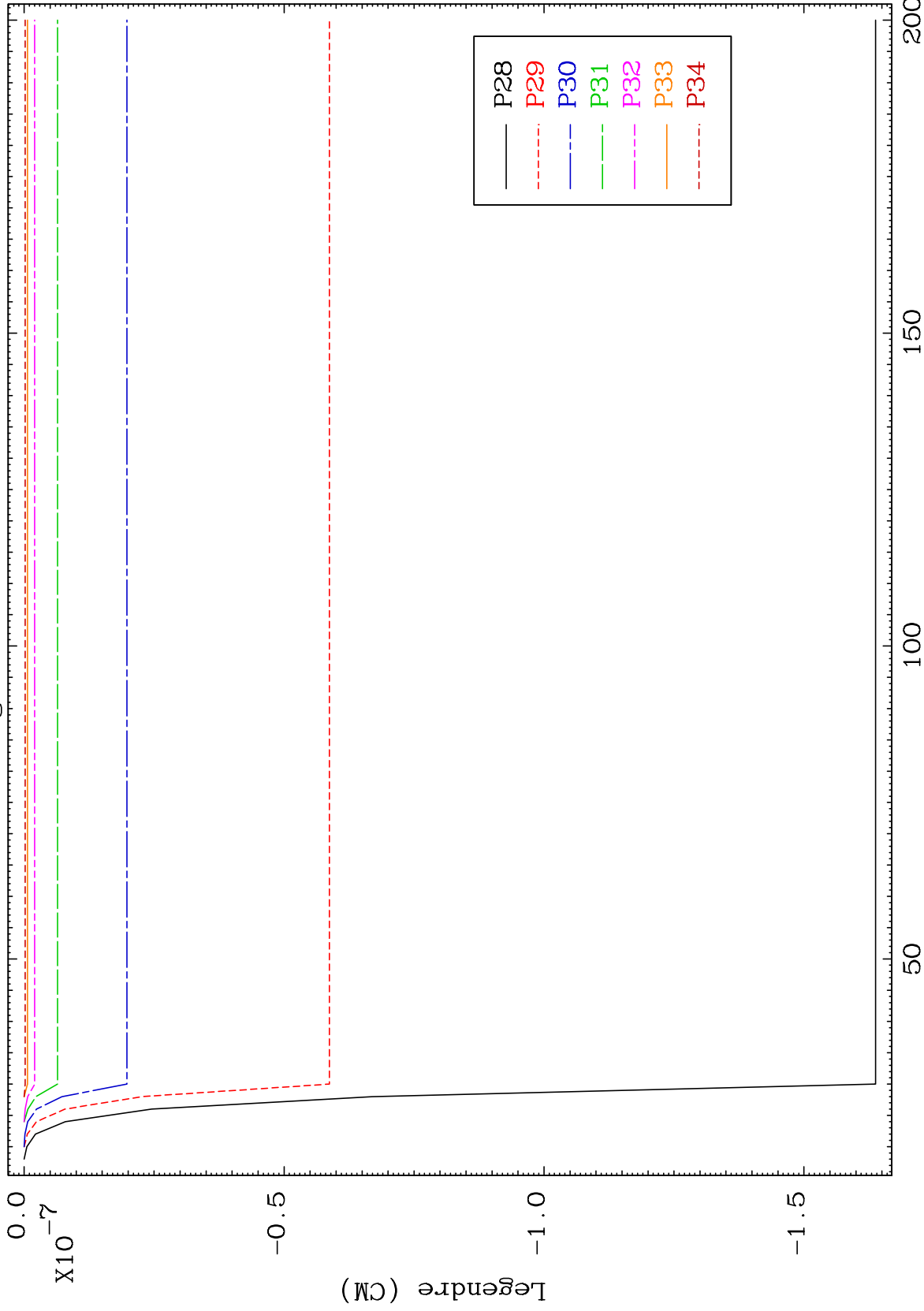
Incident Energy (MeV)

41-Nb-87

MAT 4107

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

41-Nb-87



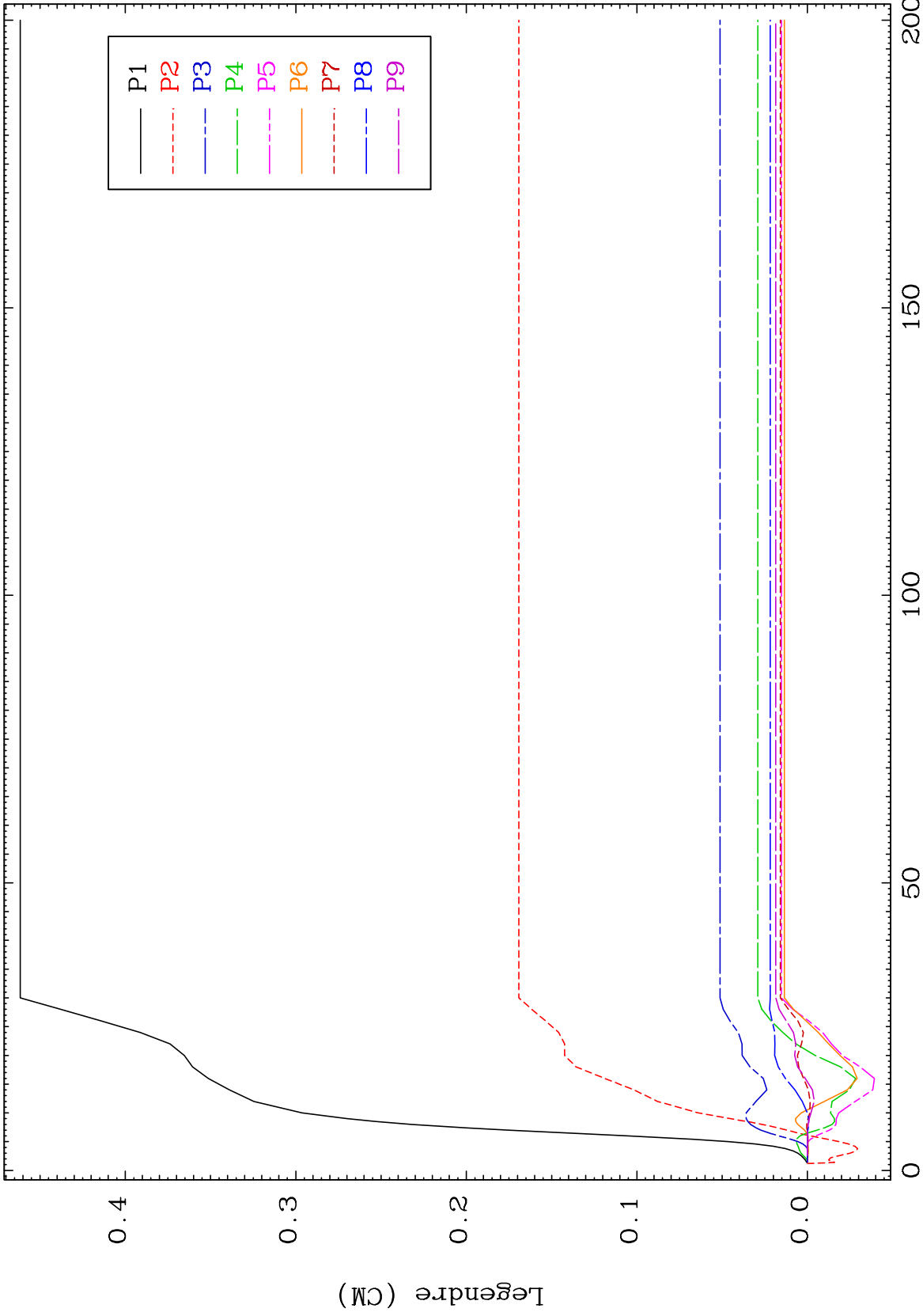
51

41-Nb-87

MAT 4107

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

41-Nb-87



52

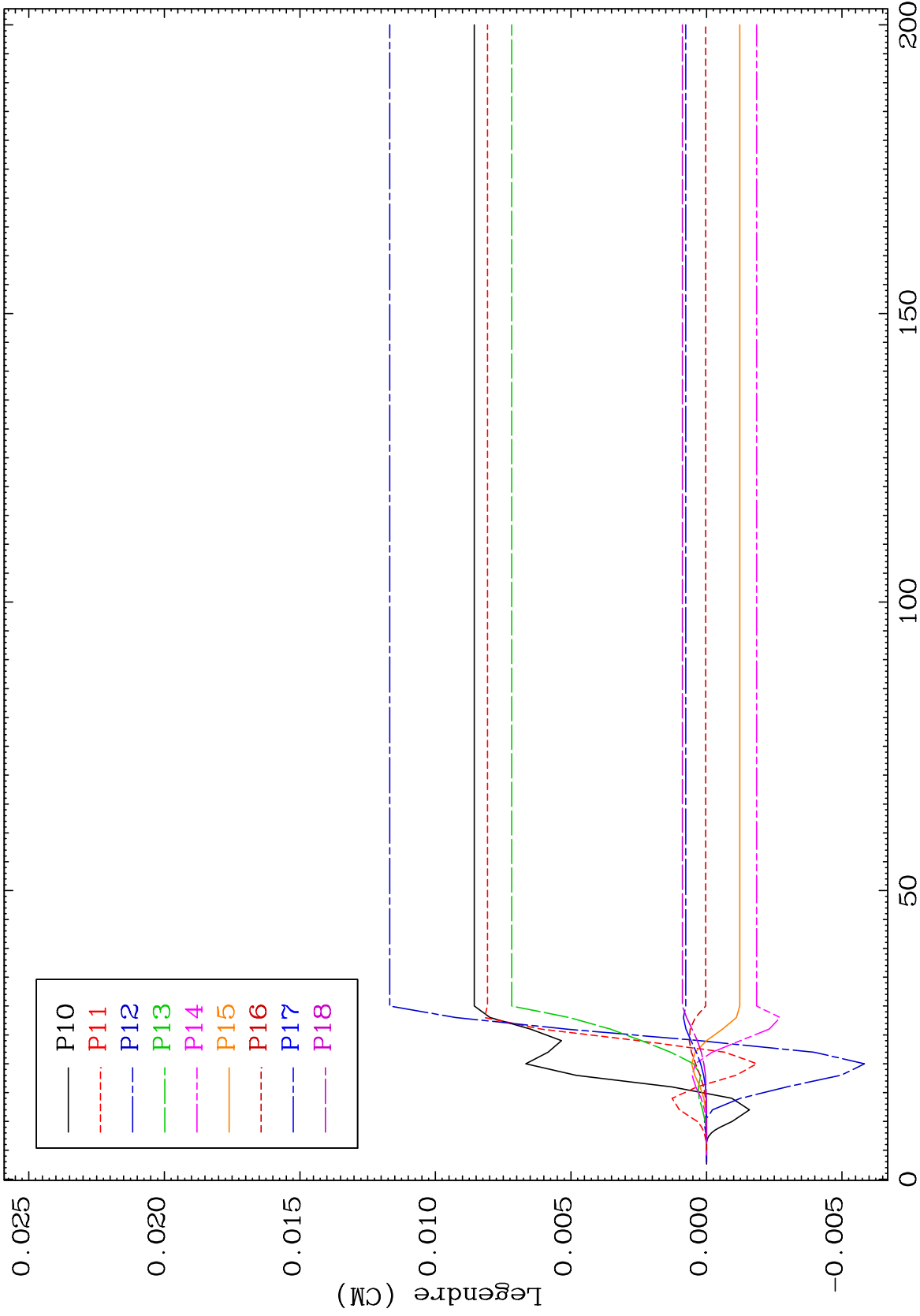
Incident Energy (MeV)

41-Nb-87

MAT 4107

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

41-Nb-87



53

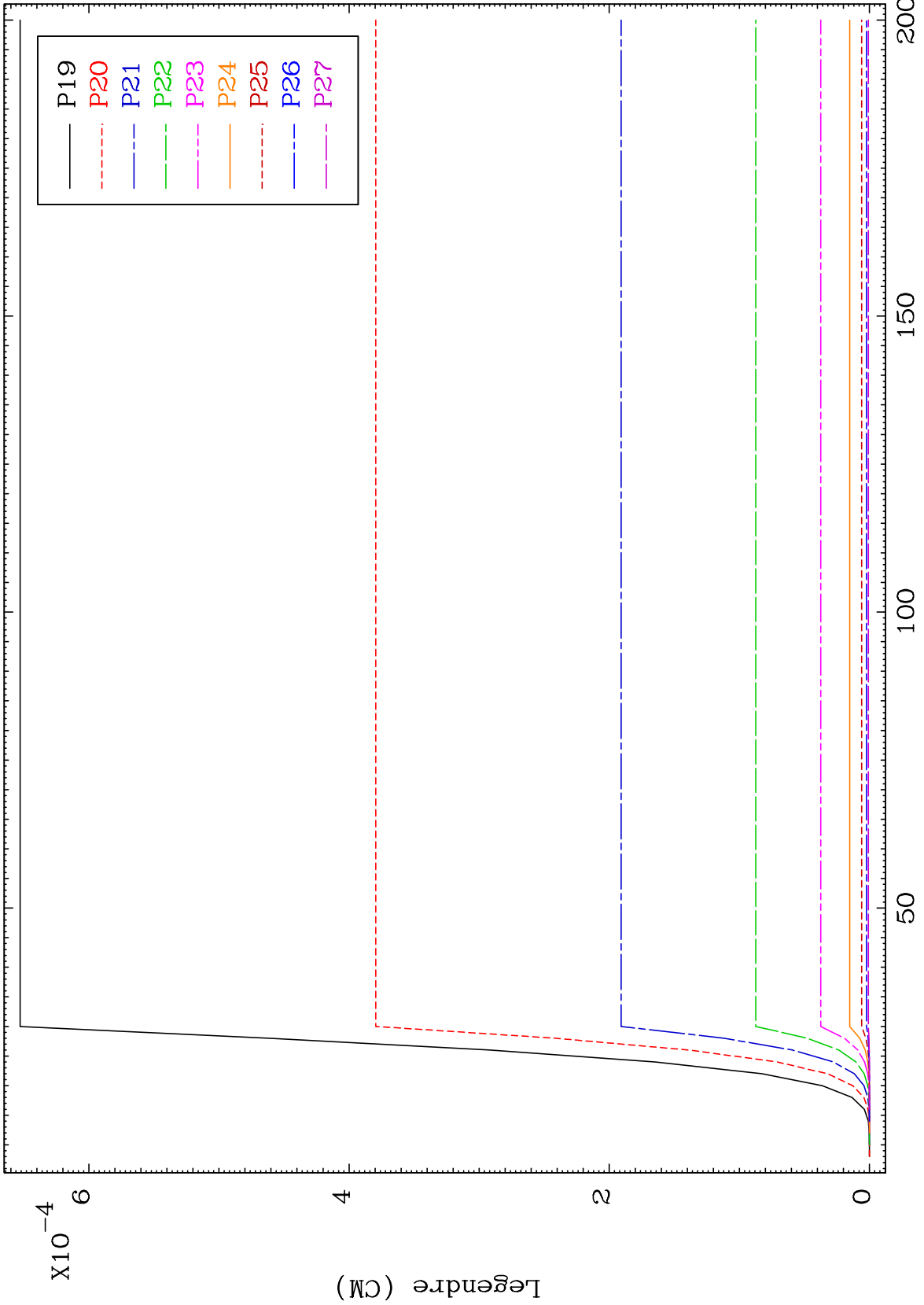
Incident Energy (MeV)

41-Nb-87

MAT 4107

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

41-Nb-87



54

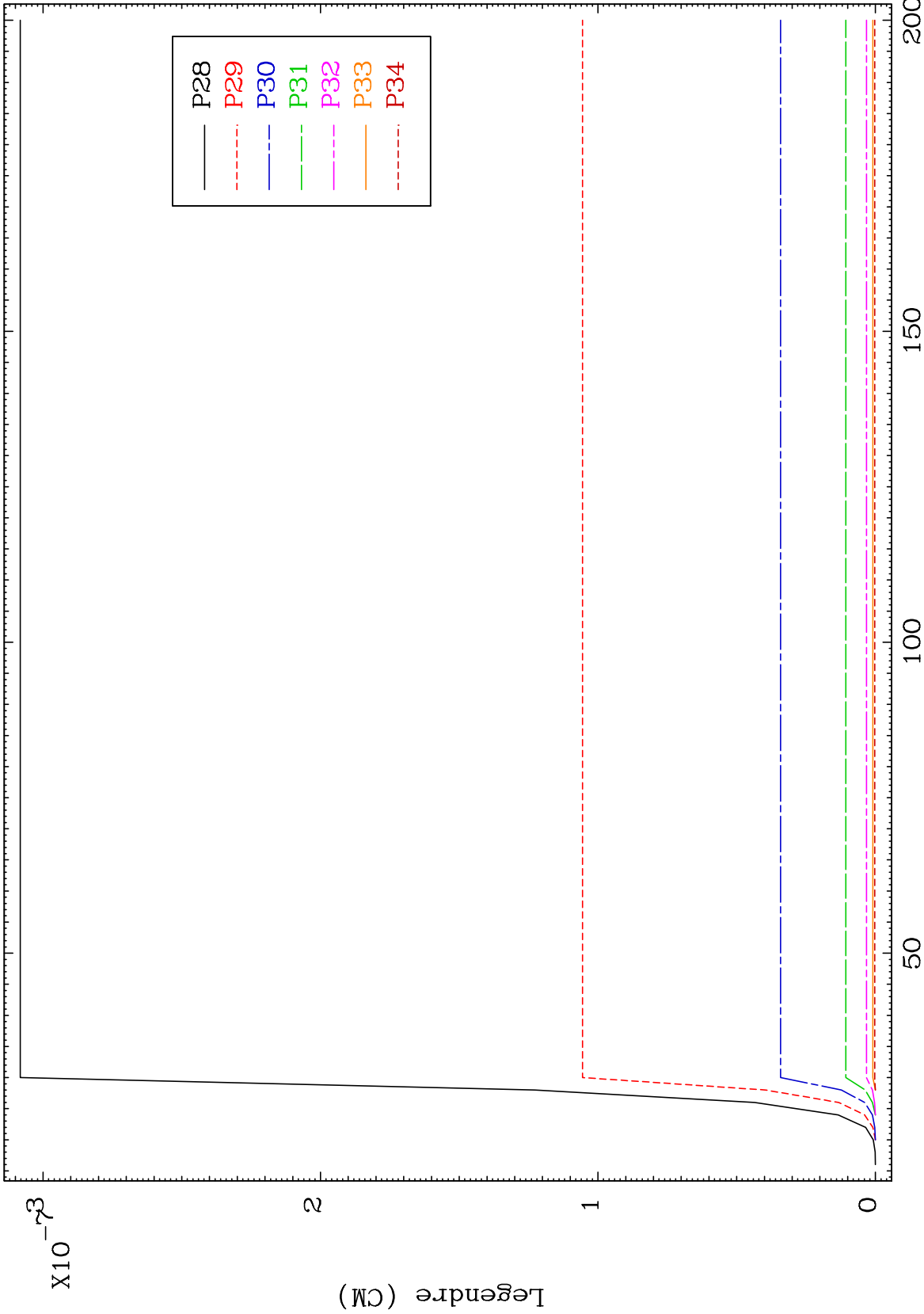
Incident Energy (MeV)

41-Nb-87

MAT 4107

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

41-Nb-87



55

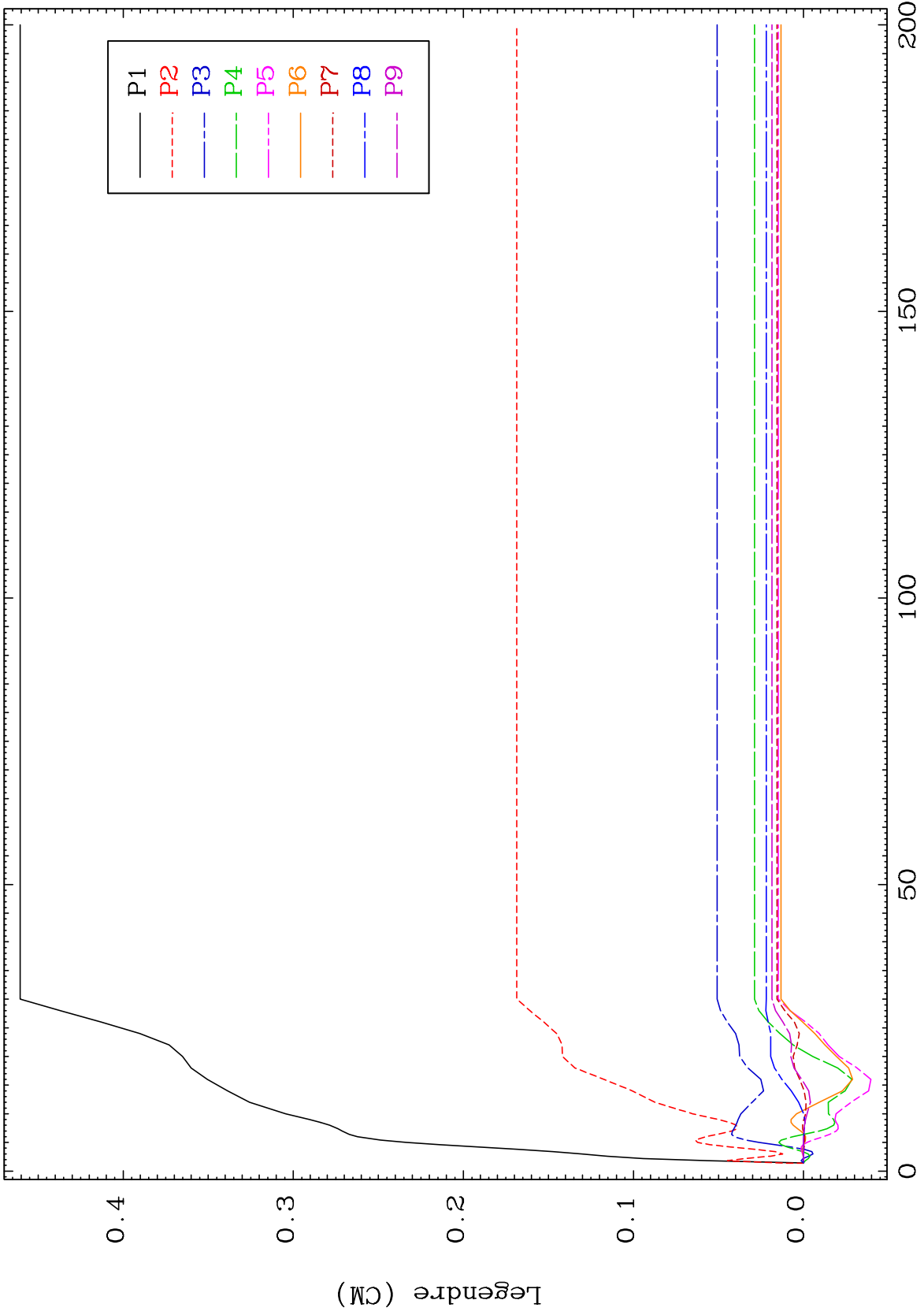
Incident Energy (MeV)

41-Nb-87

MAT 4107

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

41-Nb-87



56

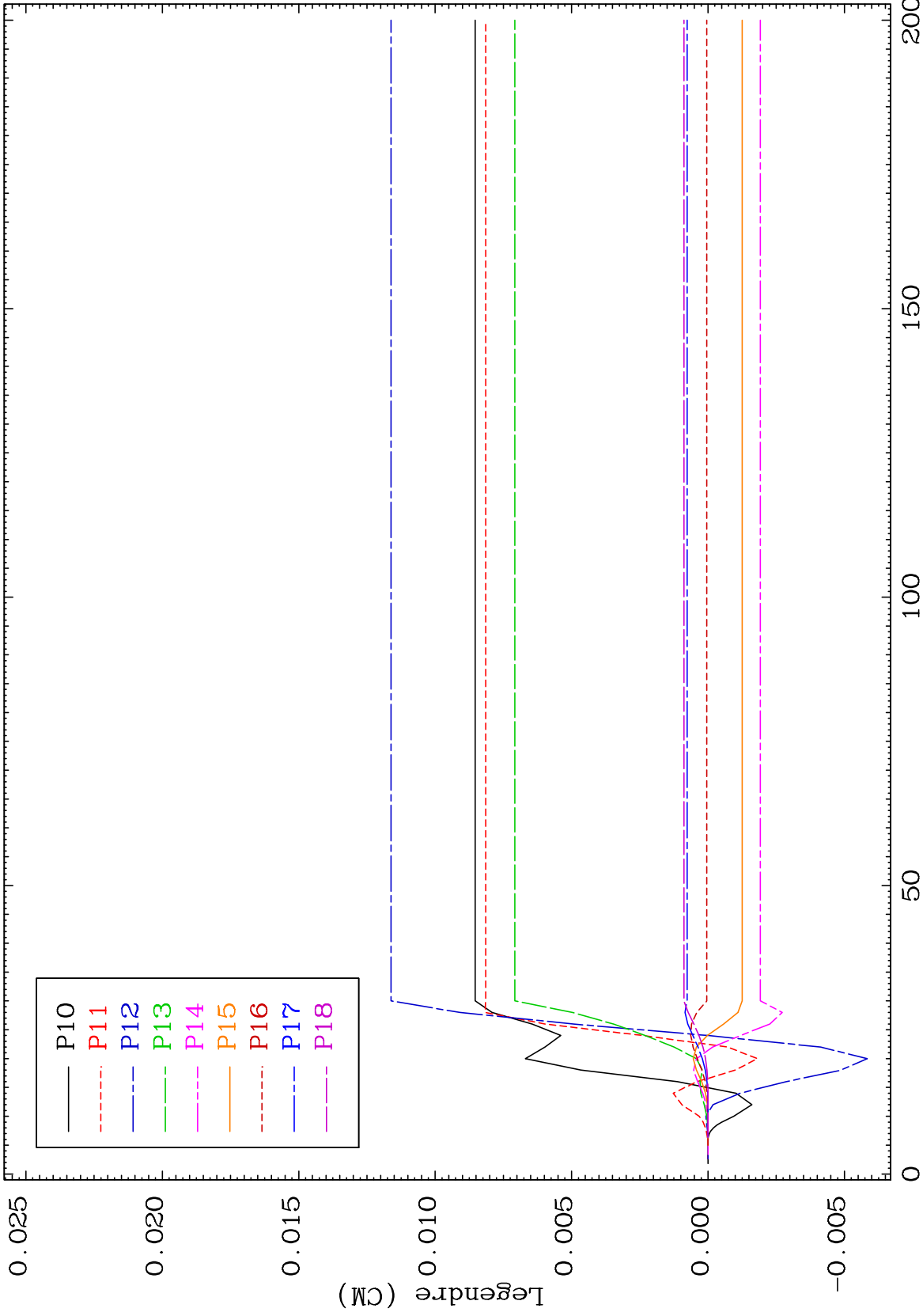
Incident Energy (MeV)

41-Nb-87

MAT 4107

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

41-Nb-87



57

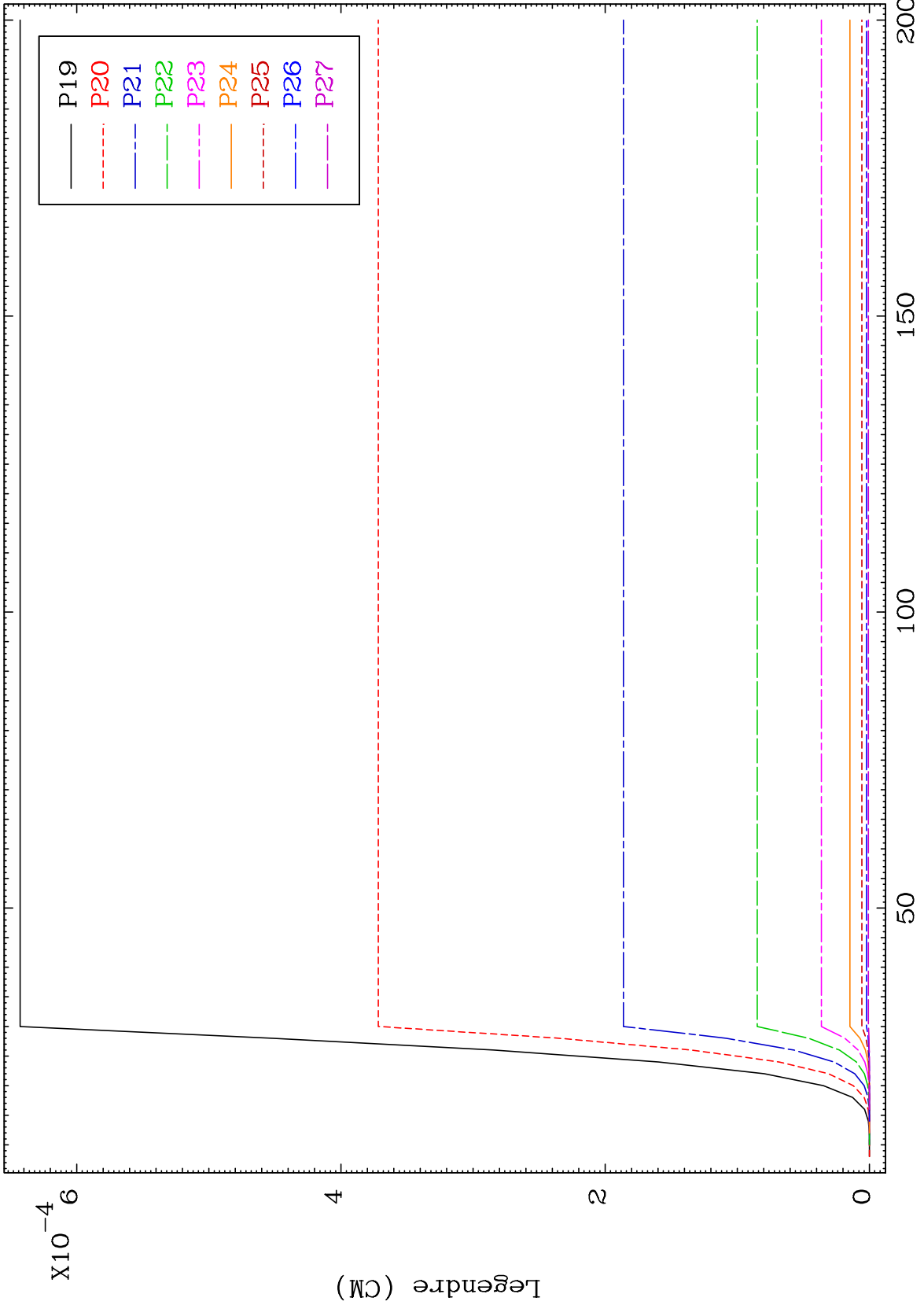
Incident Energy (MeV)

41-Nb-87

MAT 4107

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

41-Nb-87



58

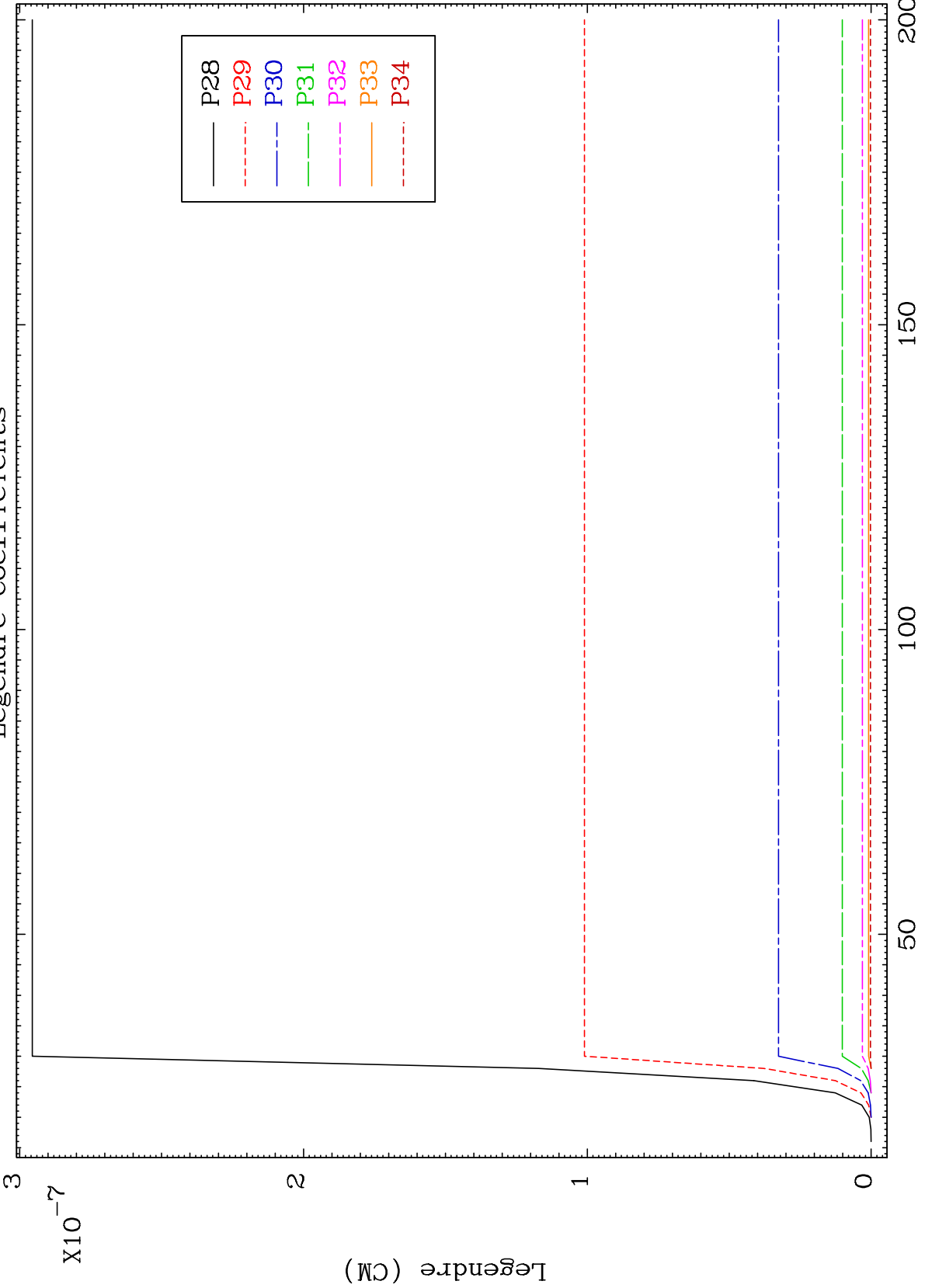
Incident Energy (MeV)

41-Nb-87

MAT 4107

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

41-Nb-87



59

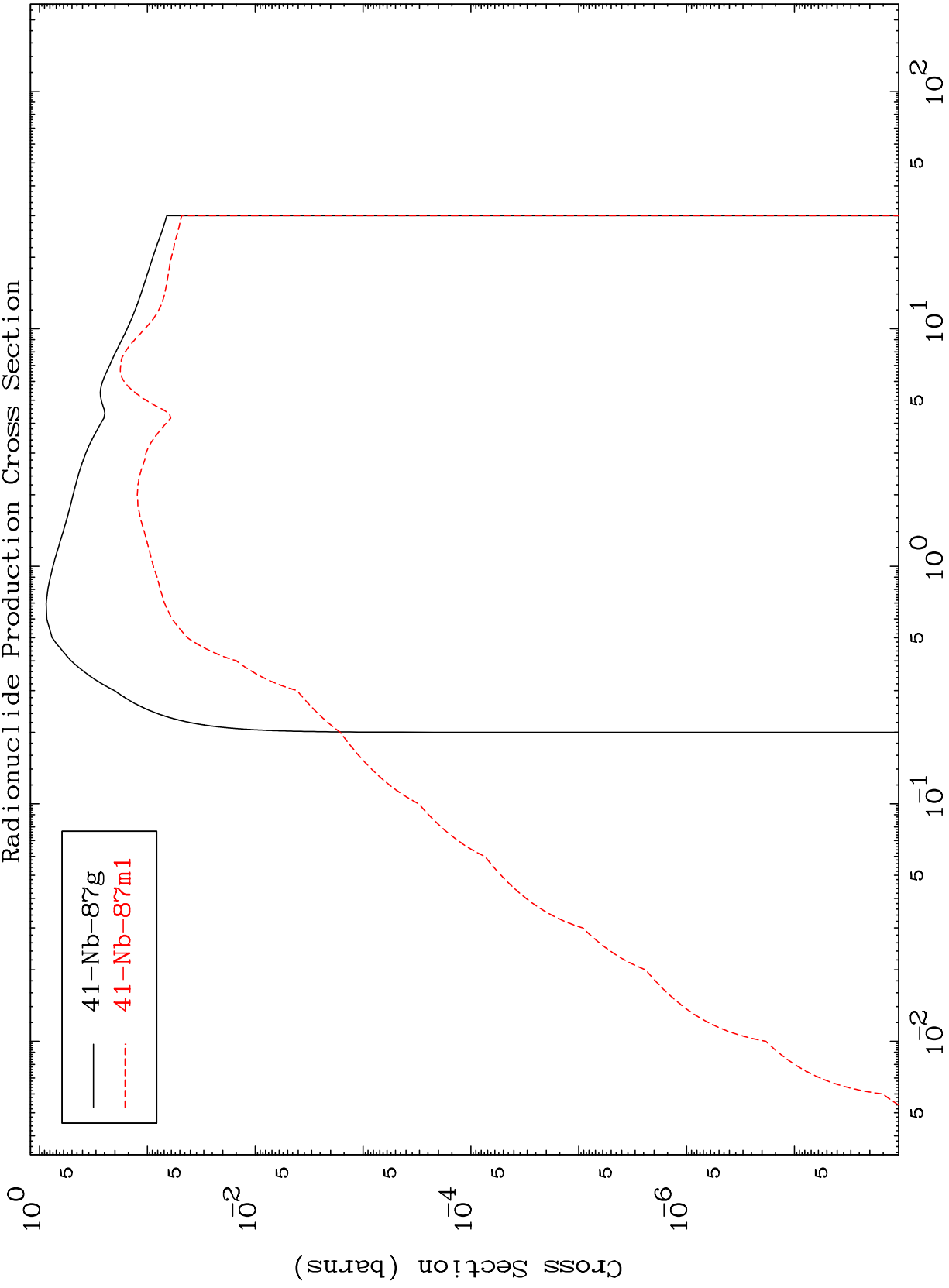
Incident Energy (MeV)

41-Nb-87

MAT 4107

41-Nb-87

Inelastic Radionuclide Production Cross Section



— 41-Nb-87g
- - - 41-Nb-87m1

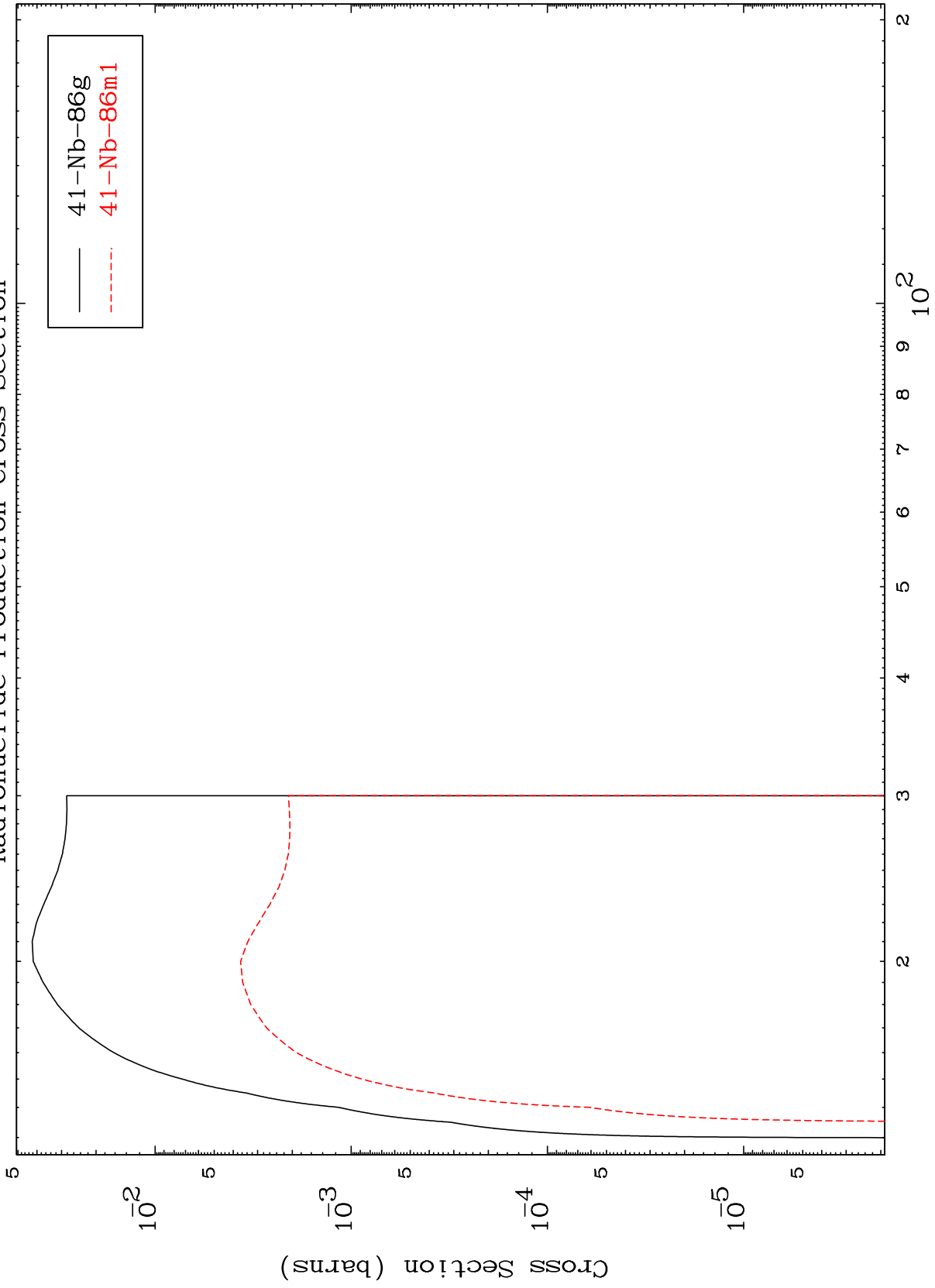
60

41-Nb-87

MAT 4107

41-Nb-87

(n,2n)
Radionuclide Production Cross Section



61

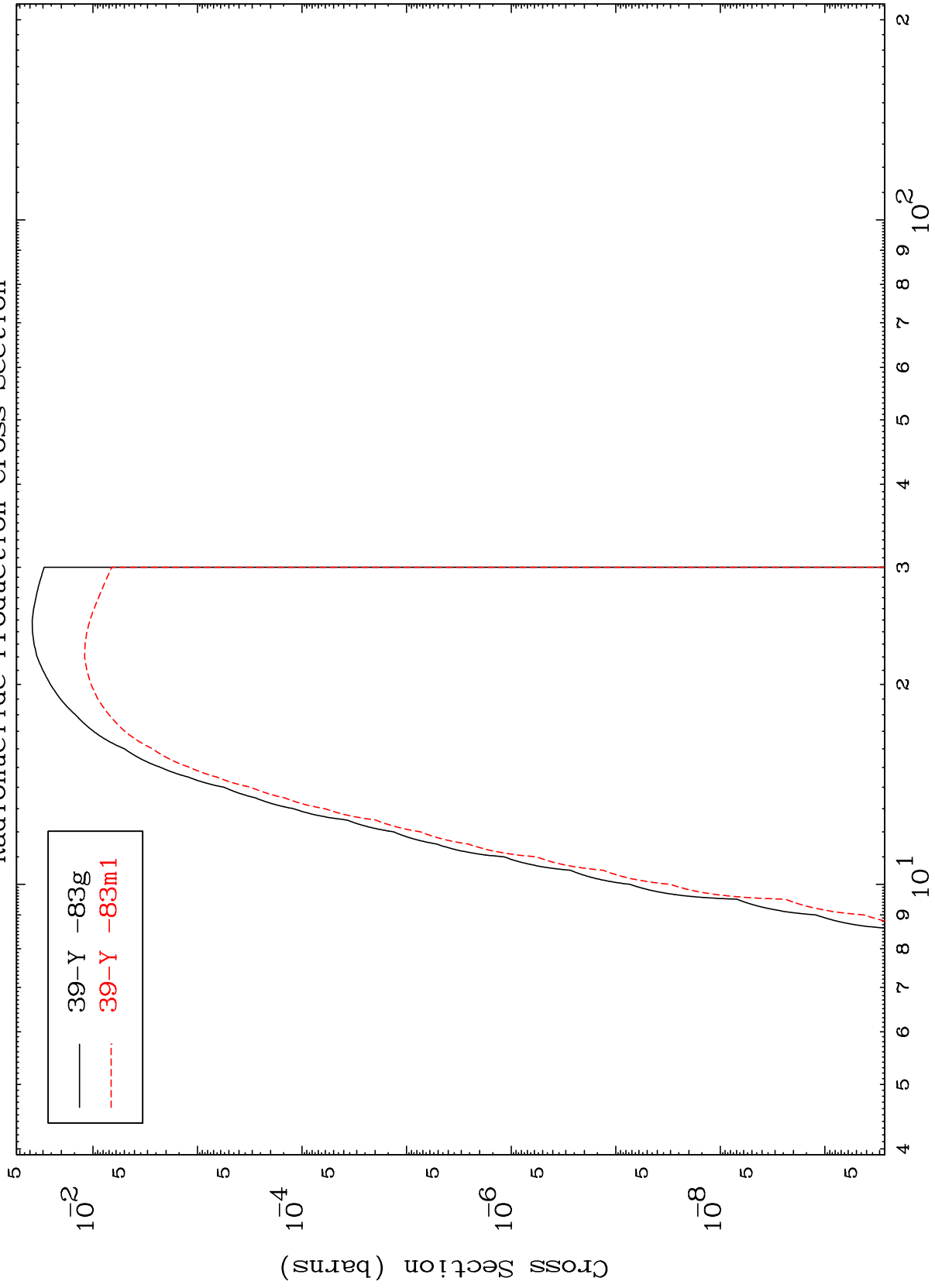
41-Nb-87

MAT 4107

(n,n') α

41-Nb-87

Radionuclide Production Cross Section



62

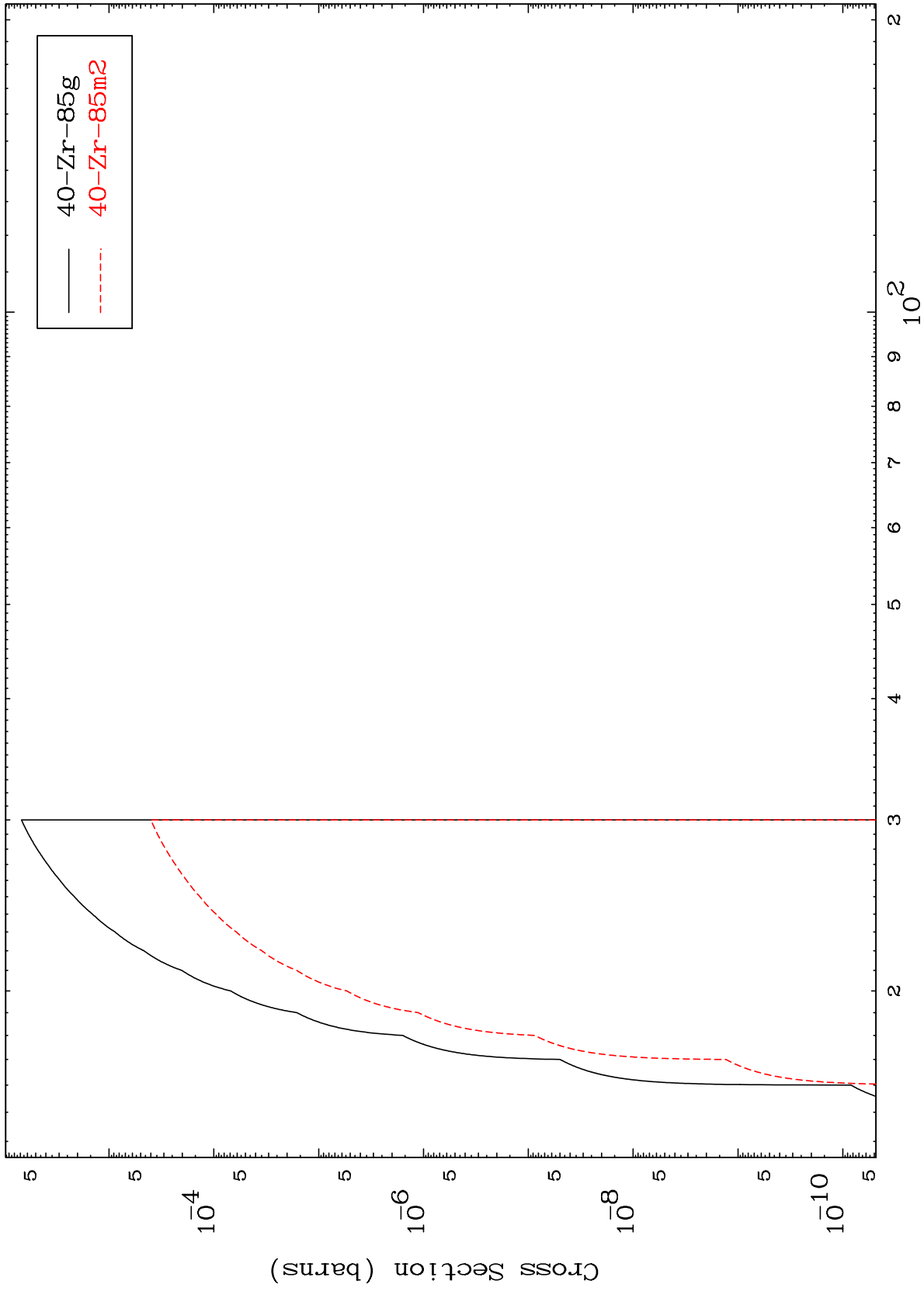
41-Nb-87

MAT 4107

(n,n') d

41-Nb-87

Radionuclide Production Cross Section



63

Incident Energy (MeV)

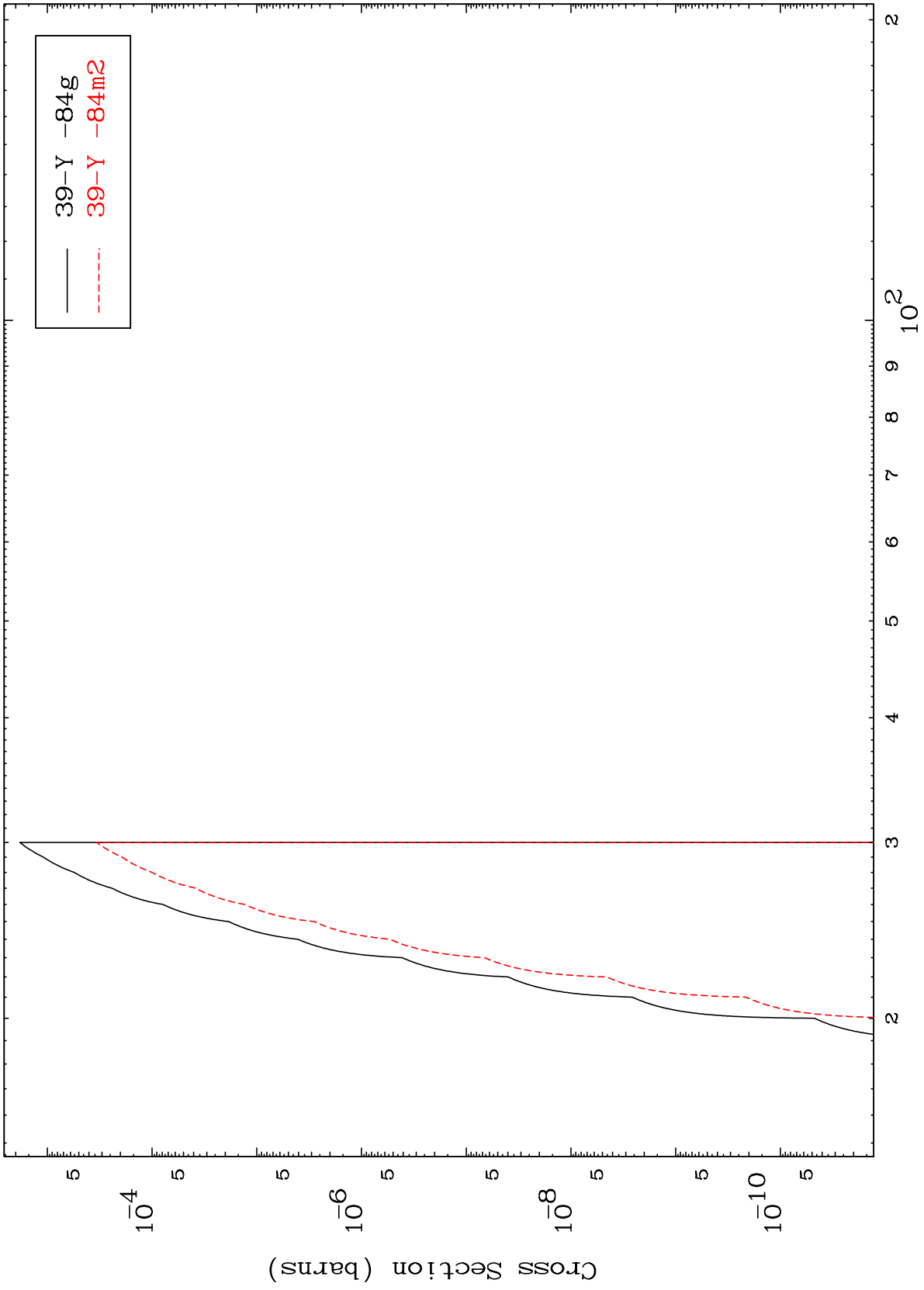
41-Nb-87

MAT 4107

(n, n') He-3

41-Nb-87

Radionuclide Production Cross Section



64

Incident Energy (MeV)

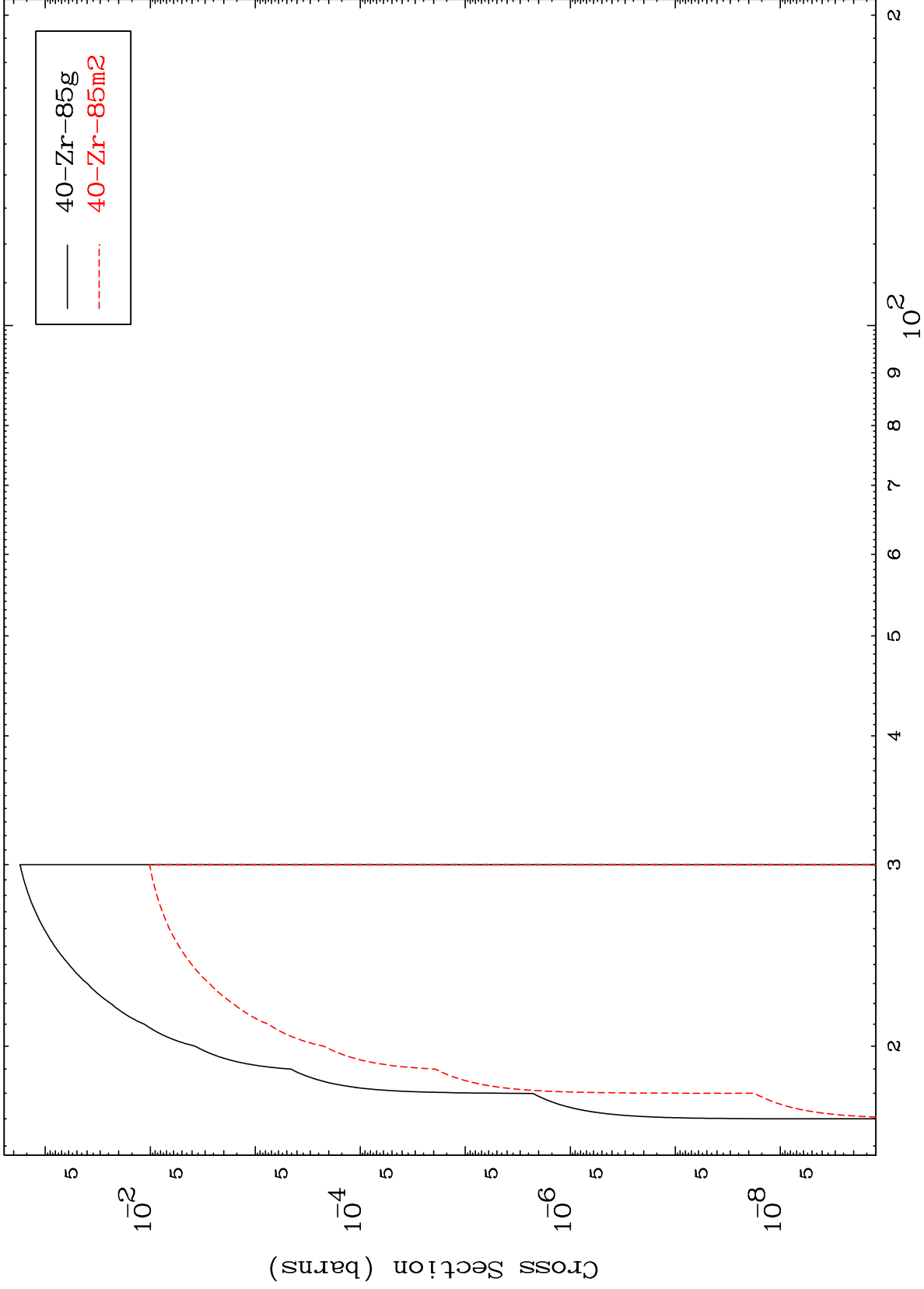
41-Nb-87

MAT 4107

(n,2n) p

41-Nb-87

Radionuclide Production Cross Section



65

Incident Energy (MeV)

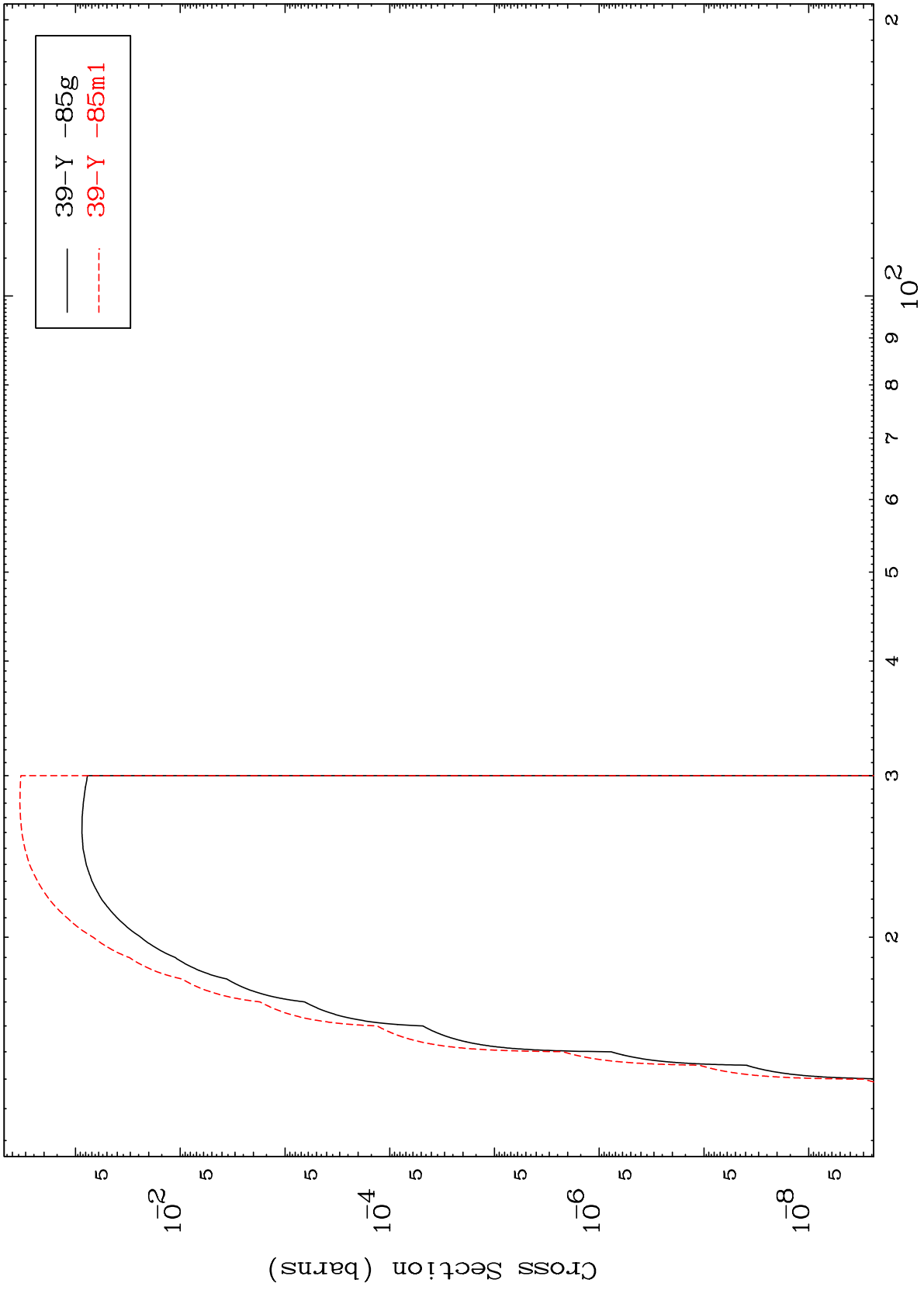
41-Nb-87

MAT 4107

(n,2n) p

41-Nb-87

Radionuclide Production Cross Section



66

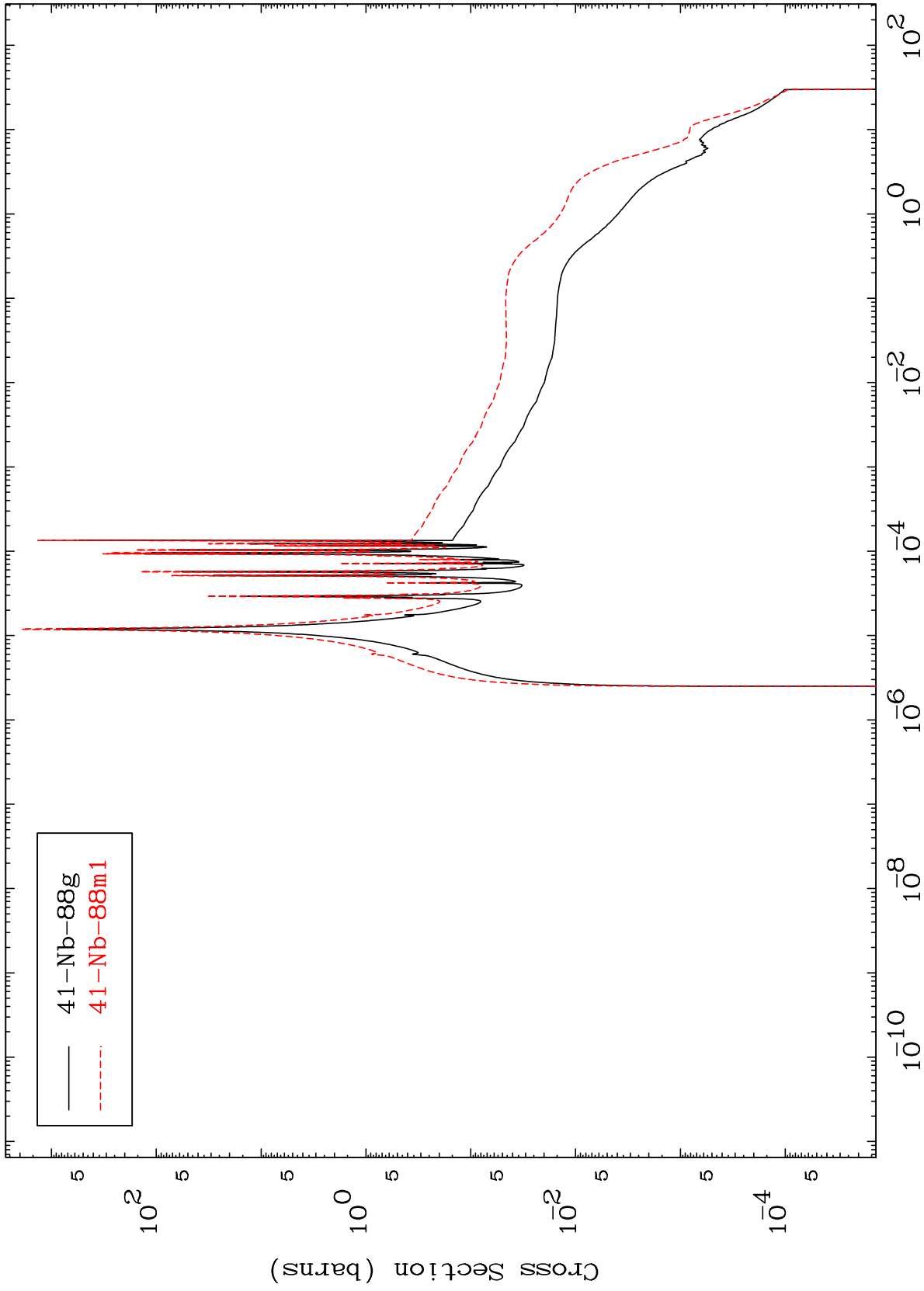
Incident Energy (MeV)

41-Nb-87

MAT 4107

41-Nb-87

Radionuclide Production Cross Section
(n, γ)



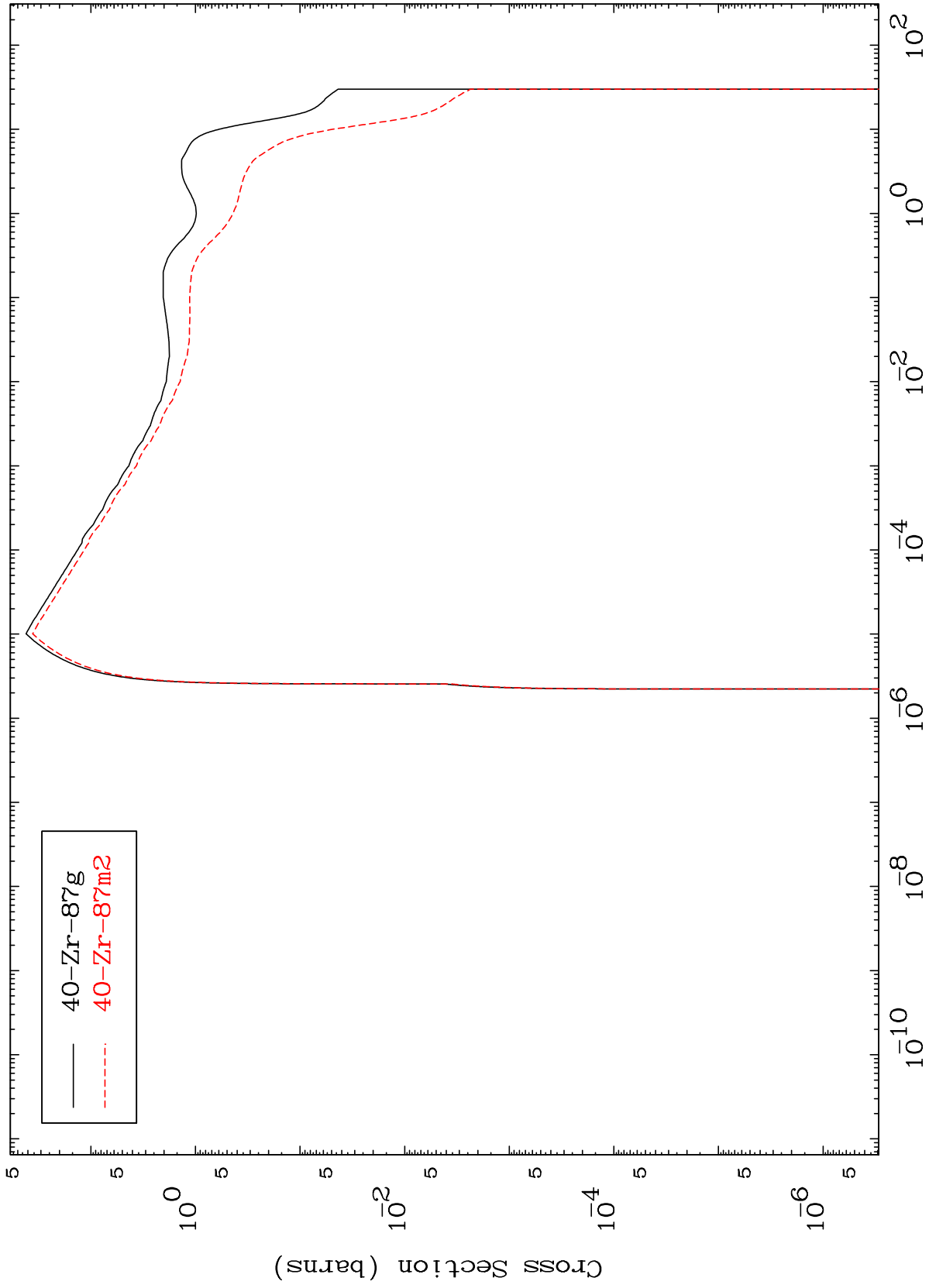
67

41-Nb-87

MAT 4107

41-Nb-87

Radionuclide Production Cross Section (n,p)



— 40-Zr-87g
- - - 40-Zr-87m2

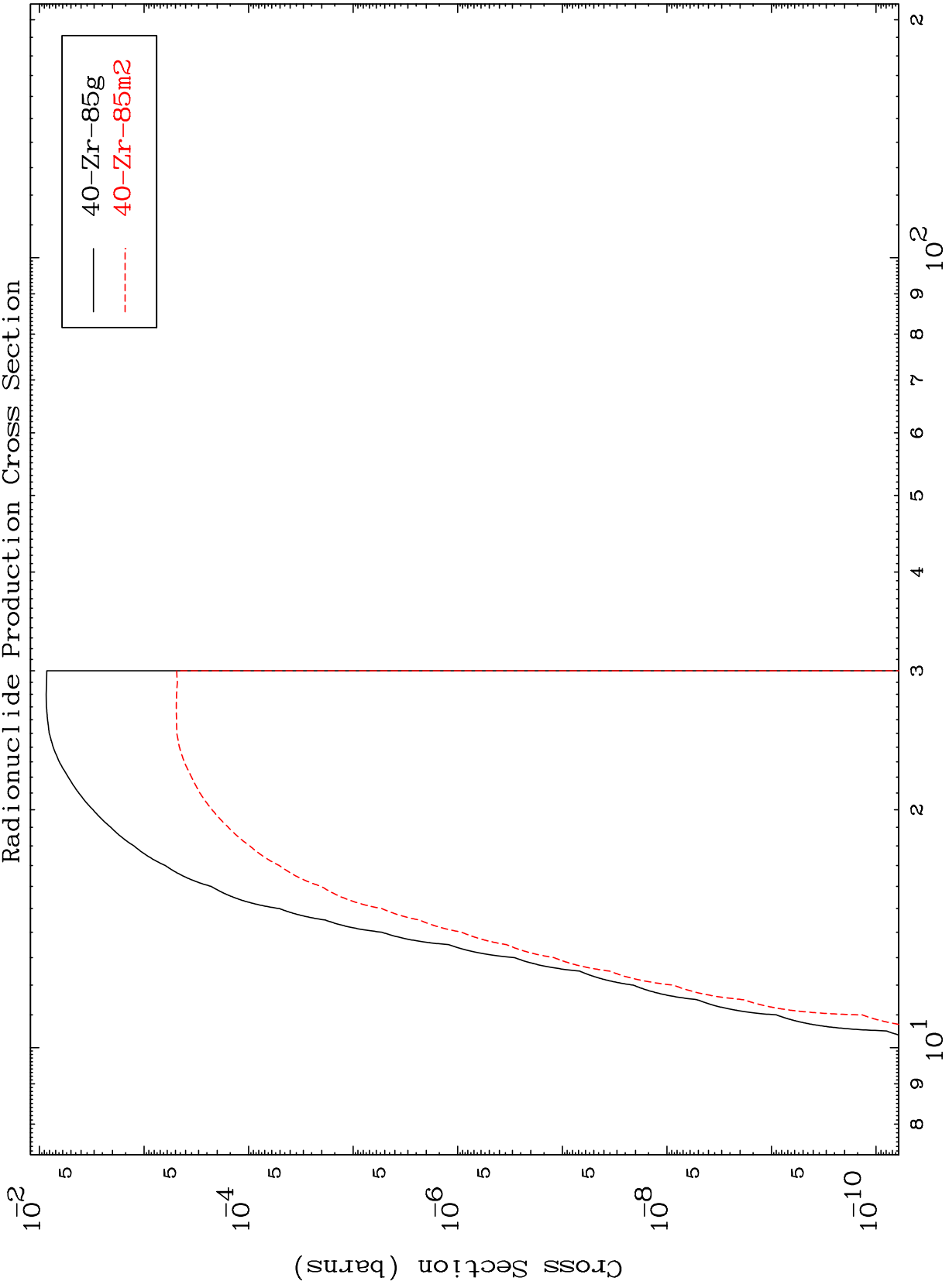
68

41-Nb-87

MAT 4107

41-Nb-87

(n, t)
Radionuclide Production Cross Section



69

Incident Energy (MeV)

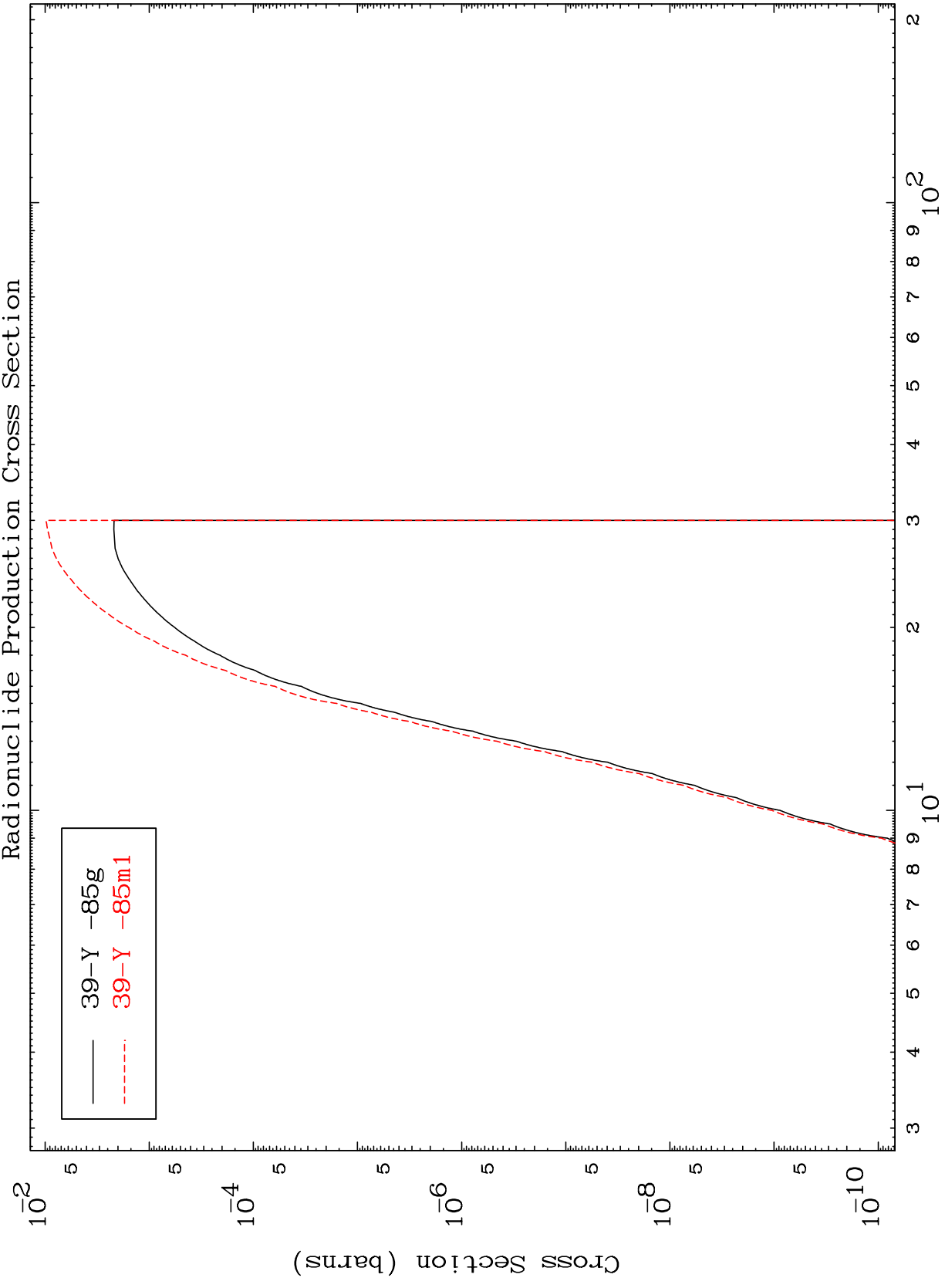
41-Nb-87

MAT 4107

(n, He-3)

41-Nb-87

Radionuclide Production Cross Section



39-Y -85g
39-Y -85m1

70

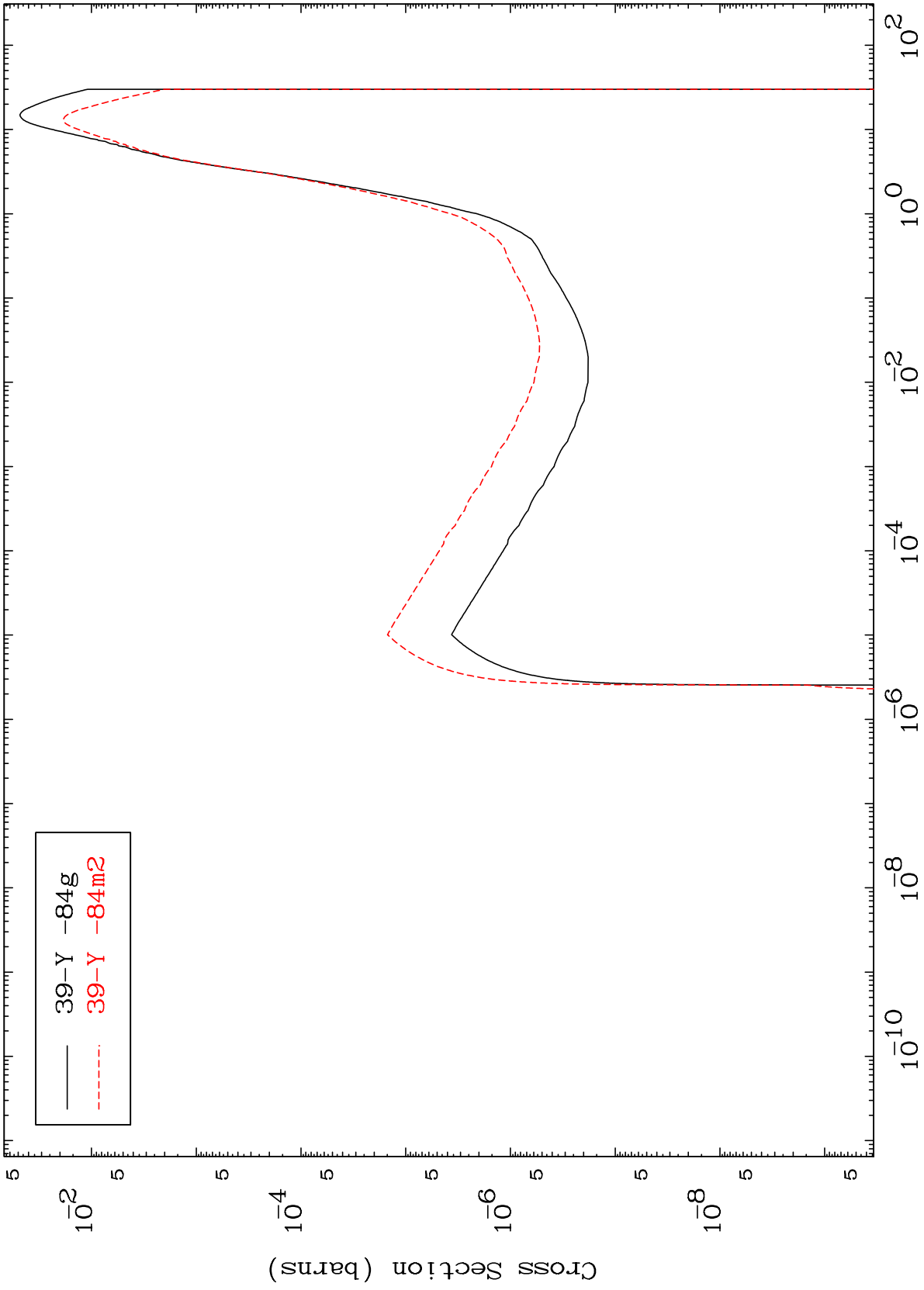
Incident Energy (MeV)

41-Nb-87

MAT 4107

Radionuclide Production Cross Section
(n, α)

41-Nb-87



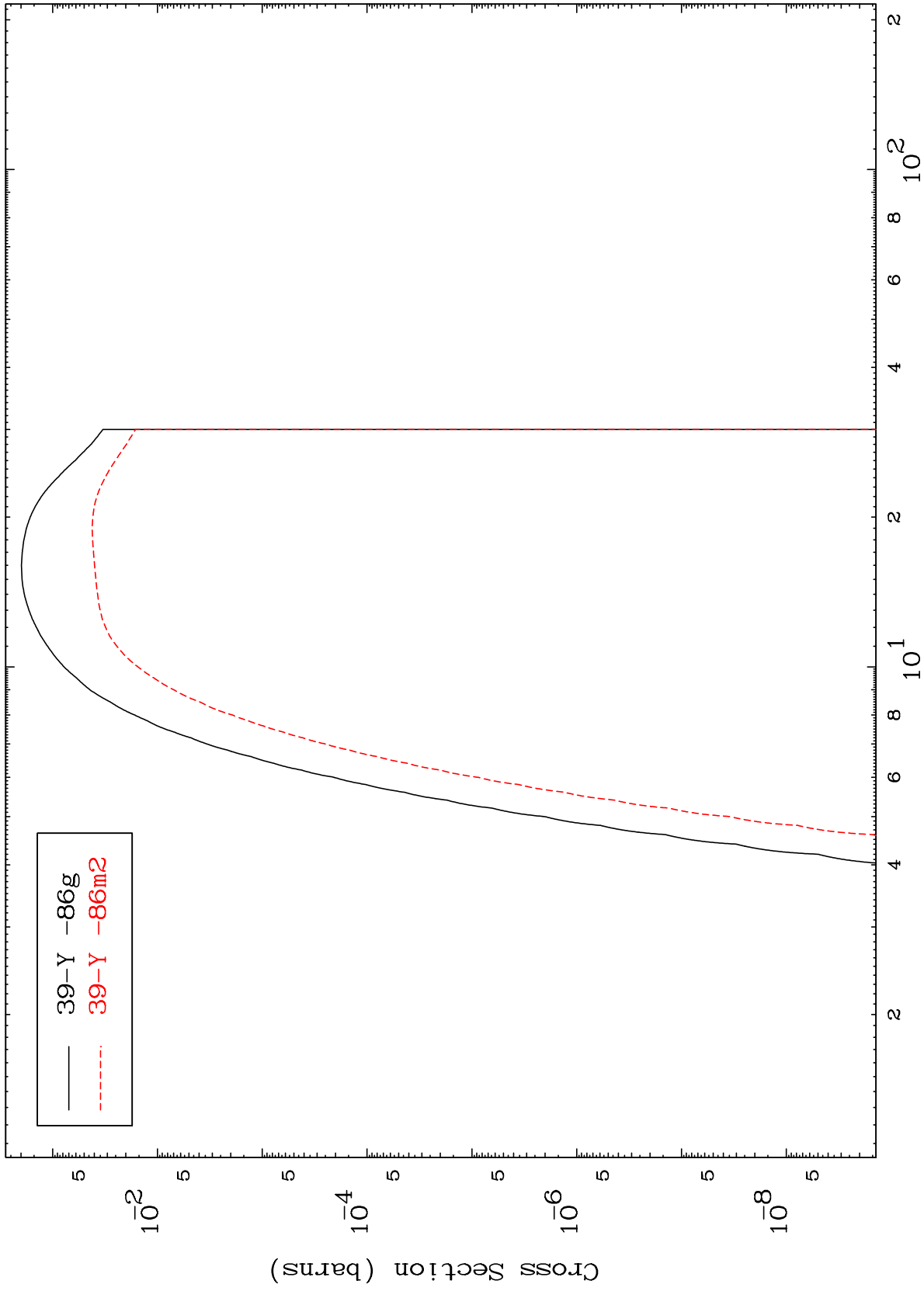
71

41-Nb-87

MAT 4107

41-Nb-87

(n,2p)
Radionuclide Production Cross Section



39-Y -86g
39-Y -86m2

72

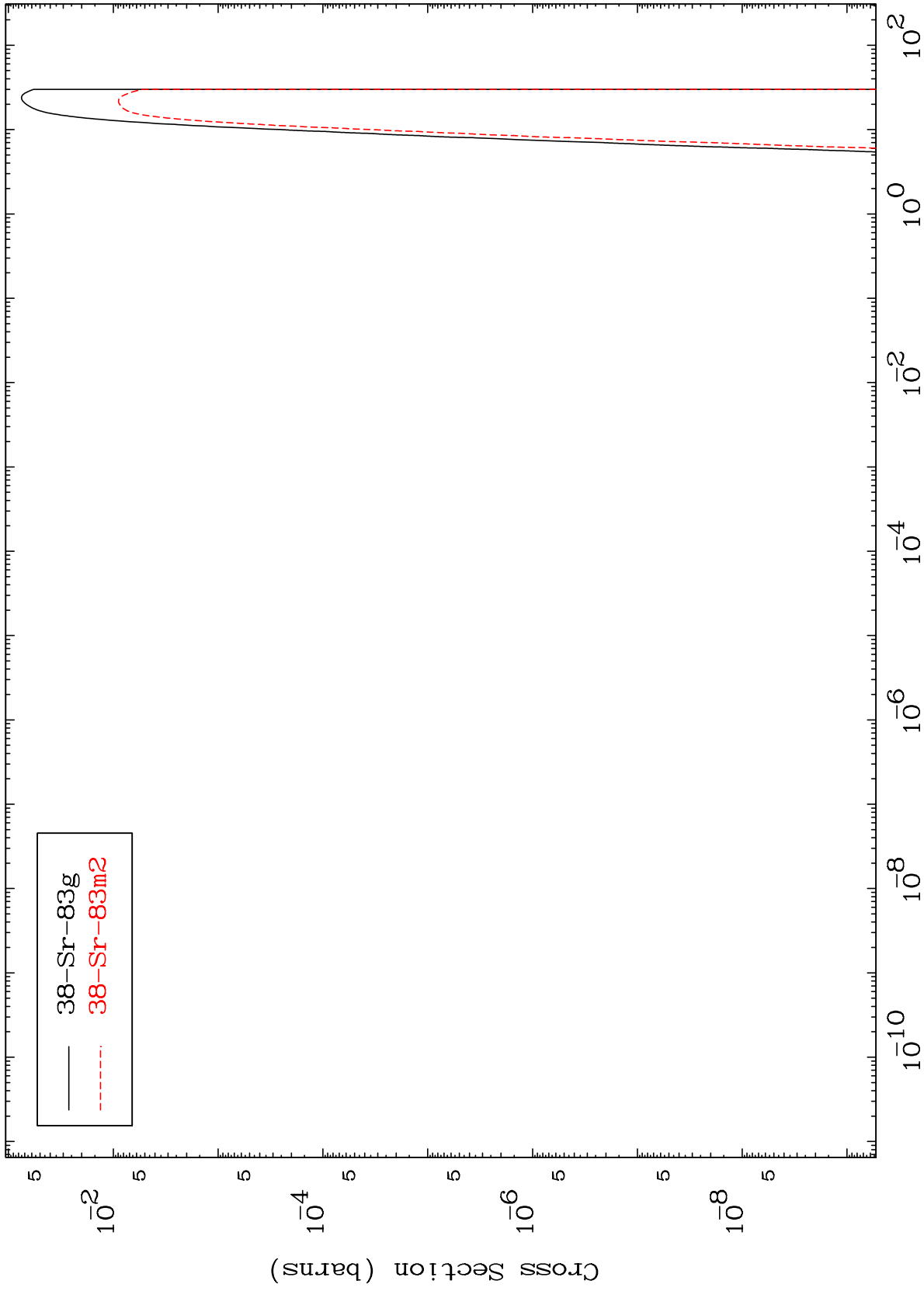
41-Nb-87

MAT 4107

(n,p) α

41-Nb-87

Radionuclide Production Cross Section



73

Incident Energy (MeV)

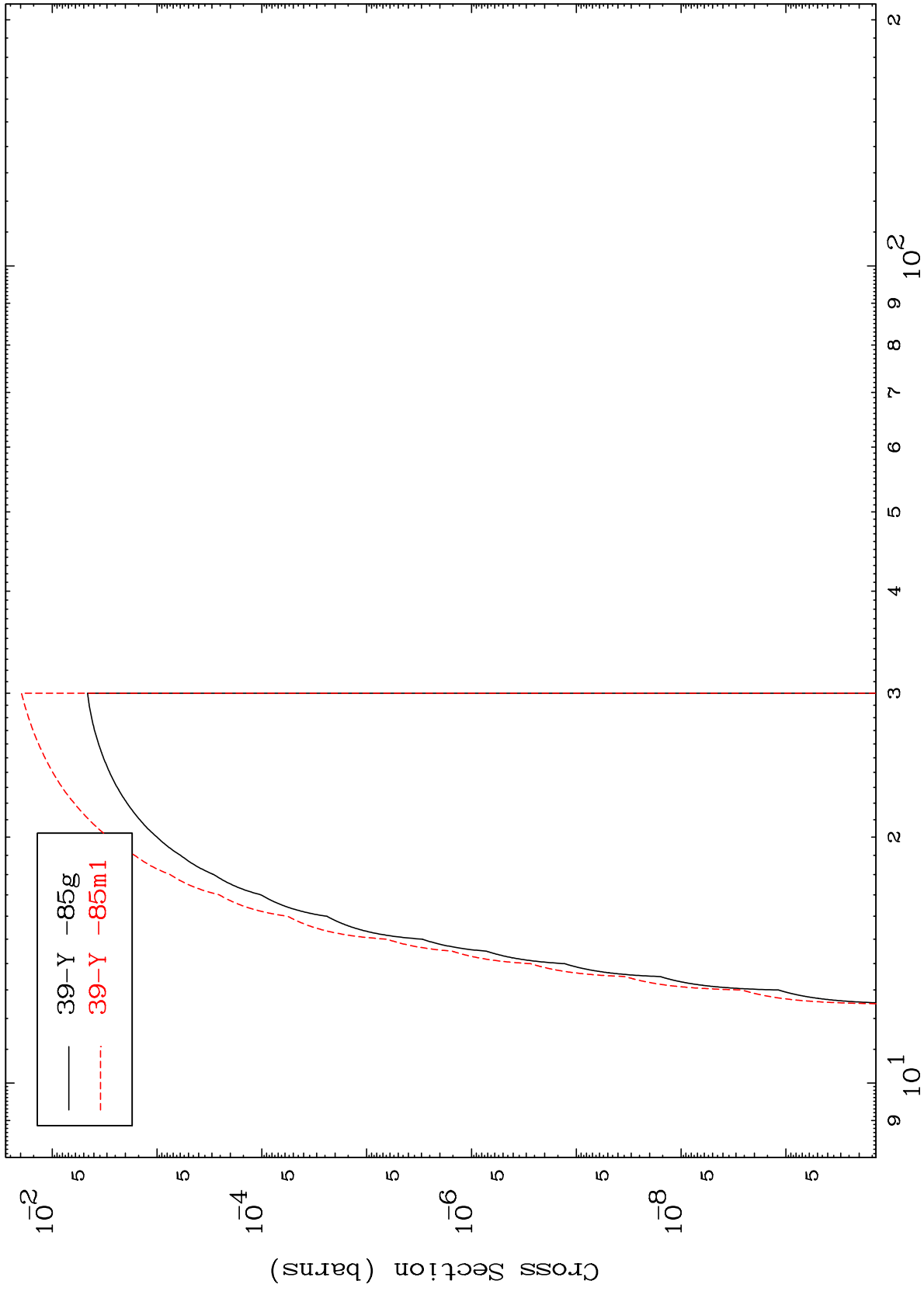
41-Nb-87

MAT 4107

(n,p) d

41-Nb-87

Radionuclide Production Cross Section



74

Incident Energy (MeV)

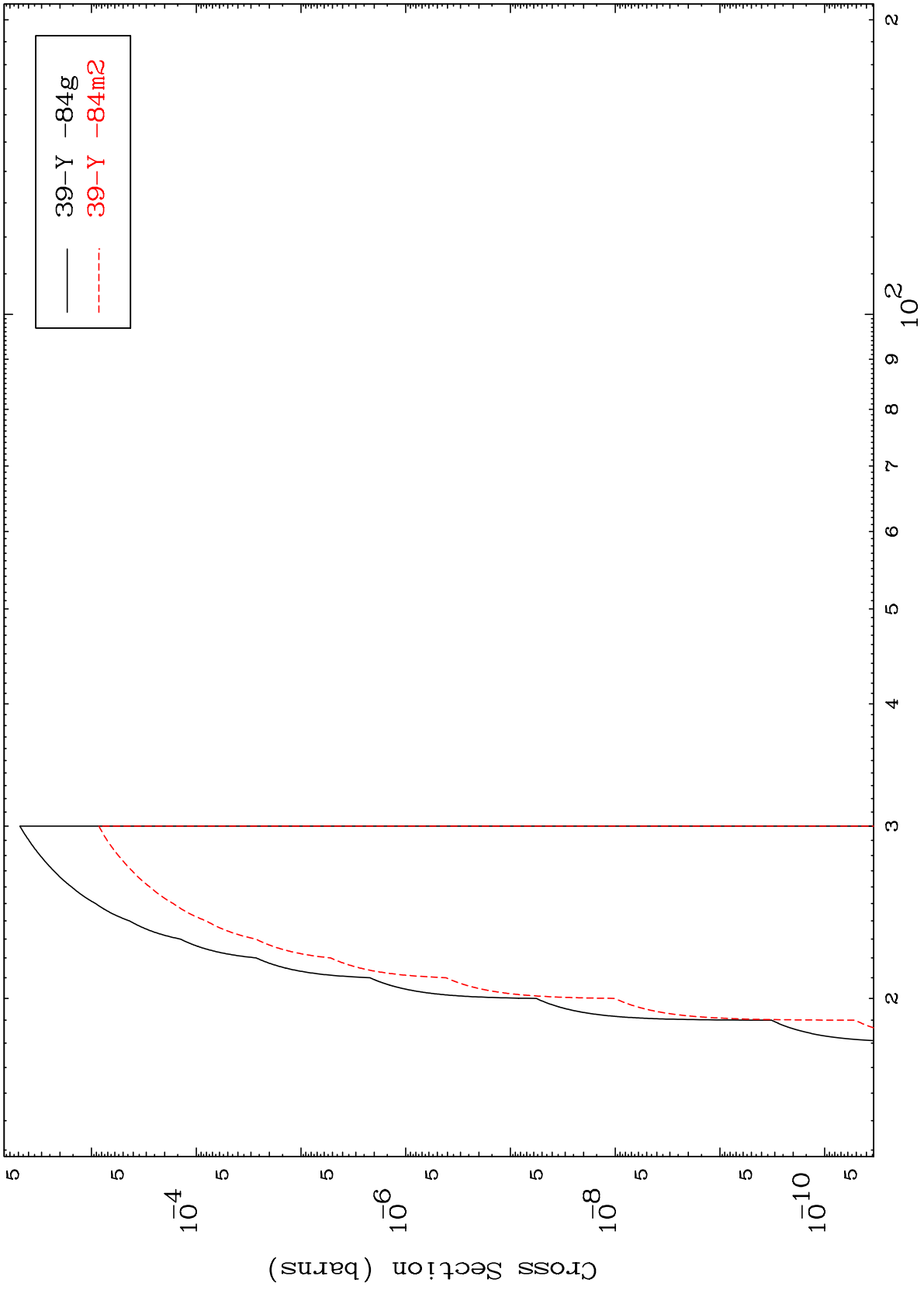
41-Nb-87

MAT 4107

(n,p) t

41-Nb-87

Radionuclide Production Cross Section



75

Incident Energy (MeV)

41-Nb-87