

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

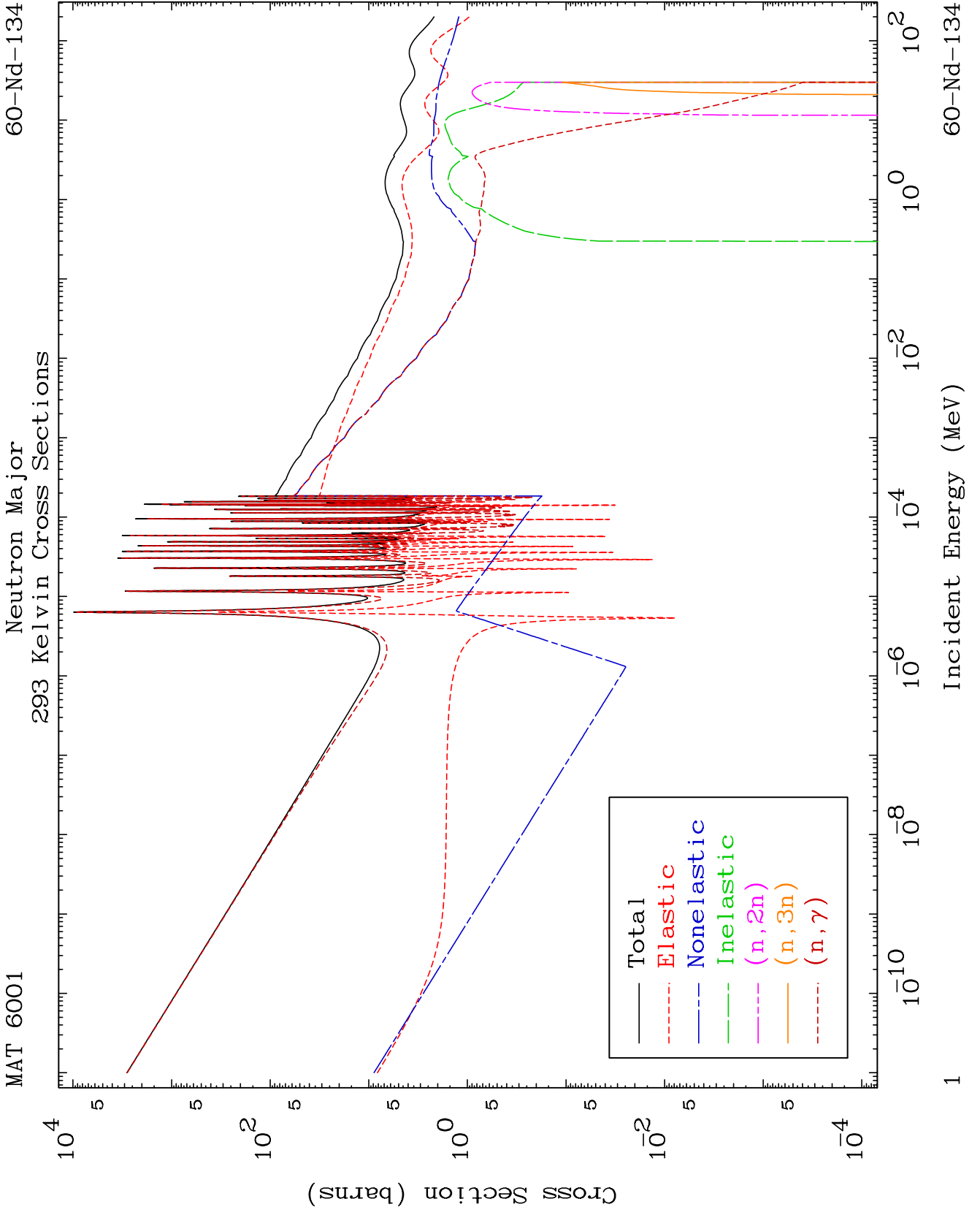
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

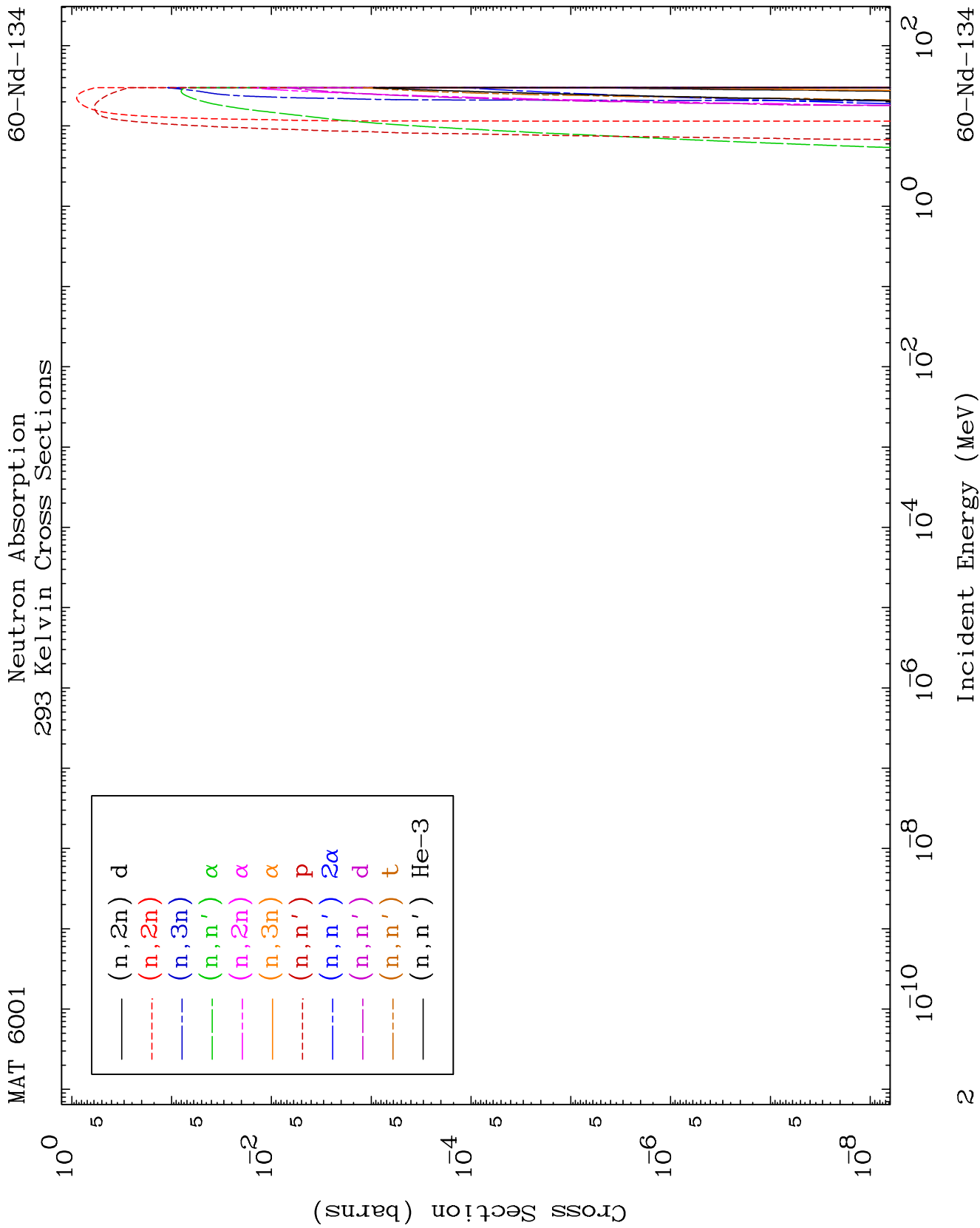
Tele: 925-443-1911

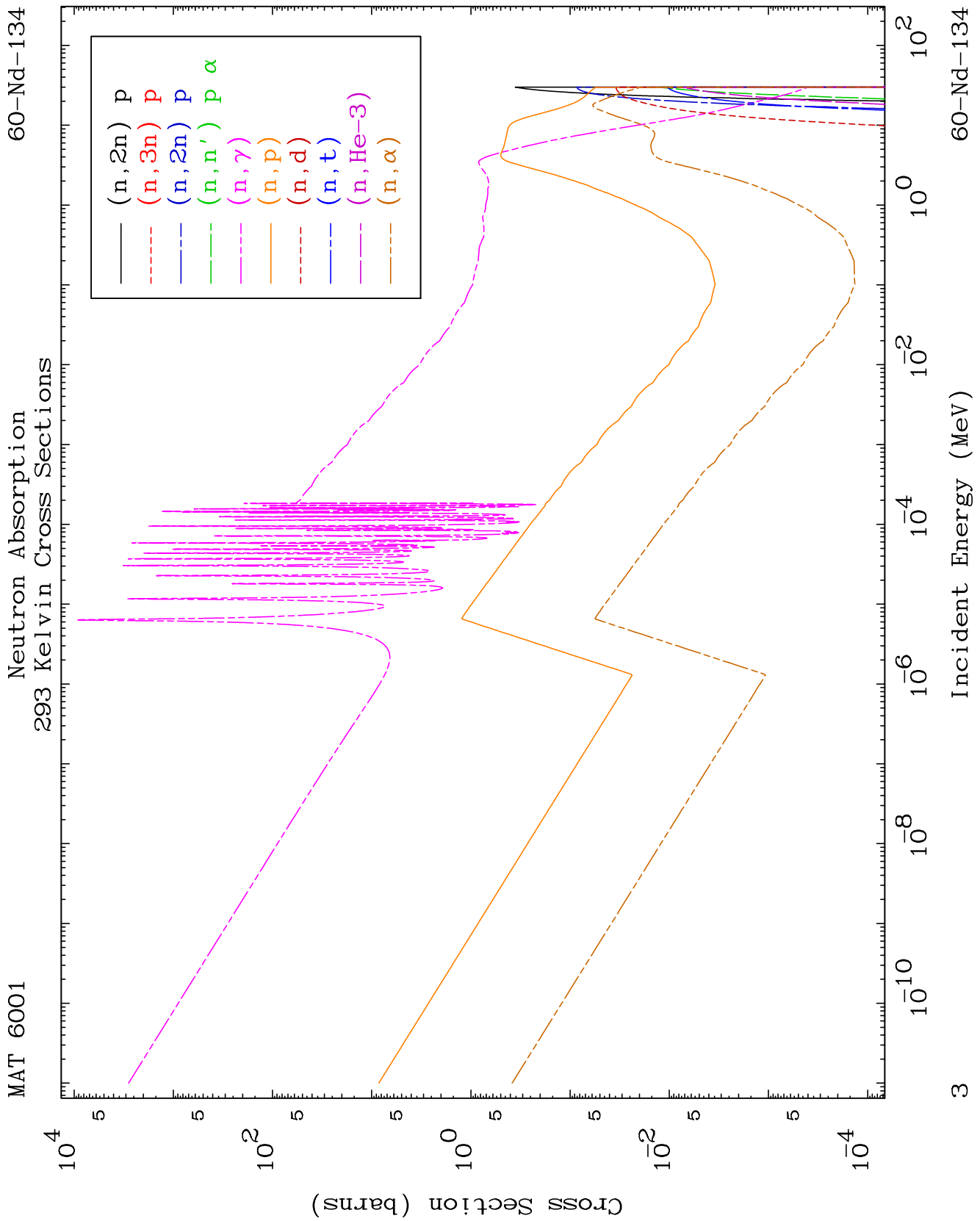
E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

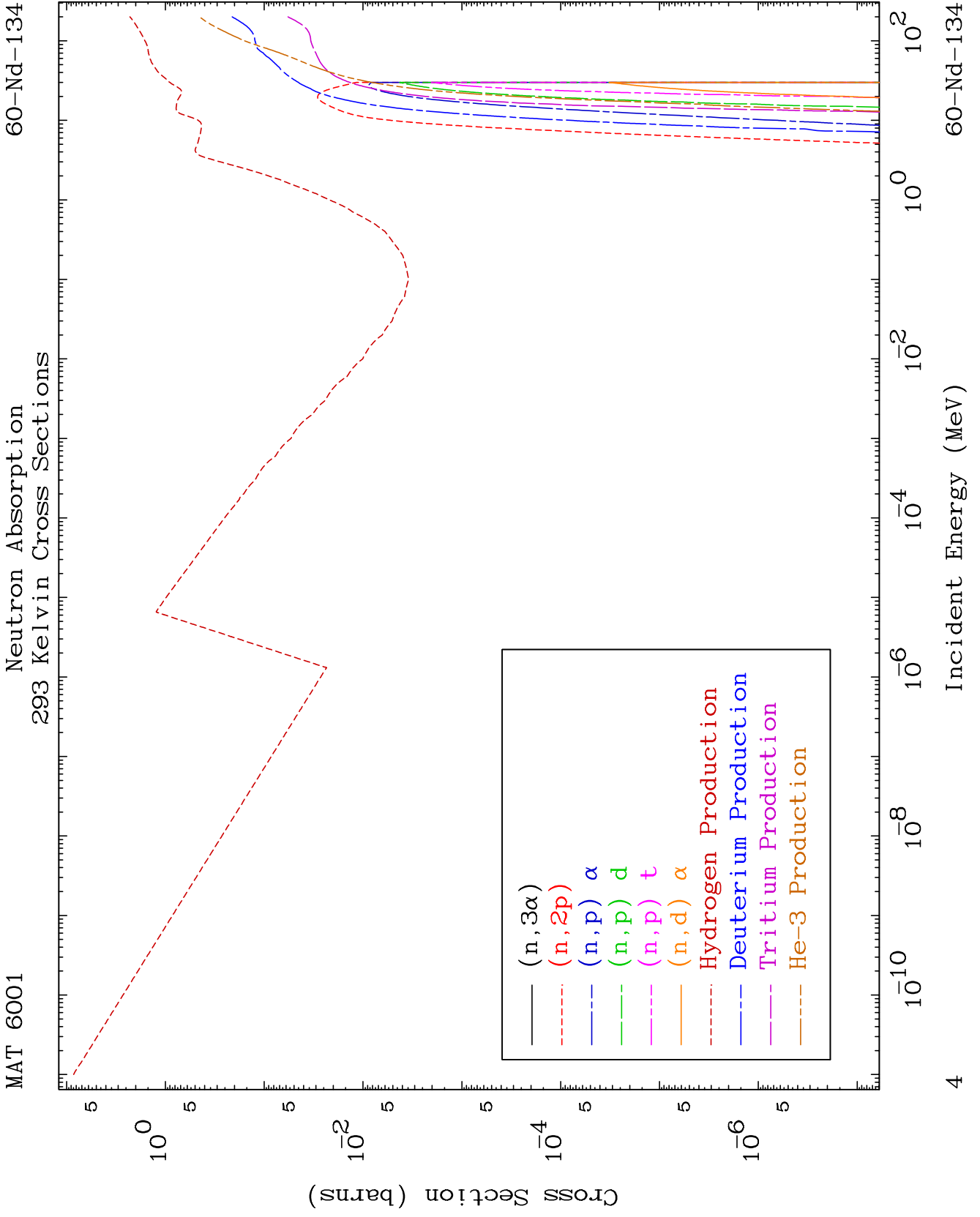
Press Mouse Button to Start







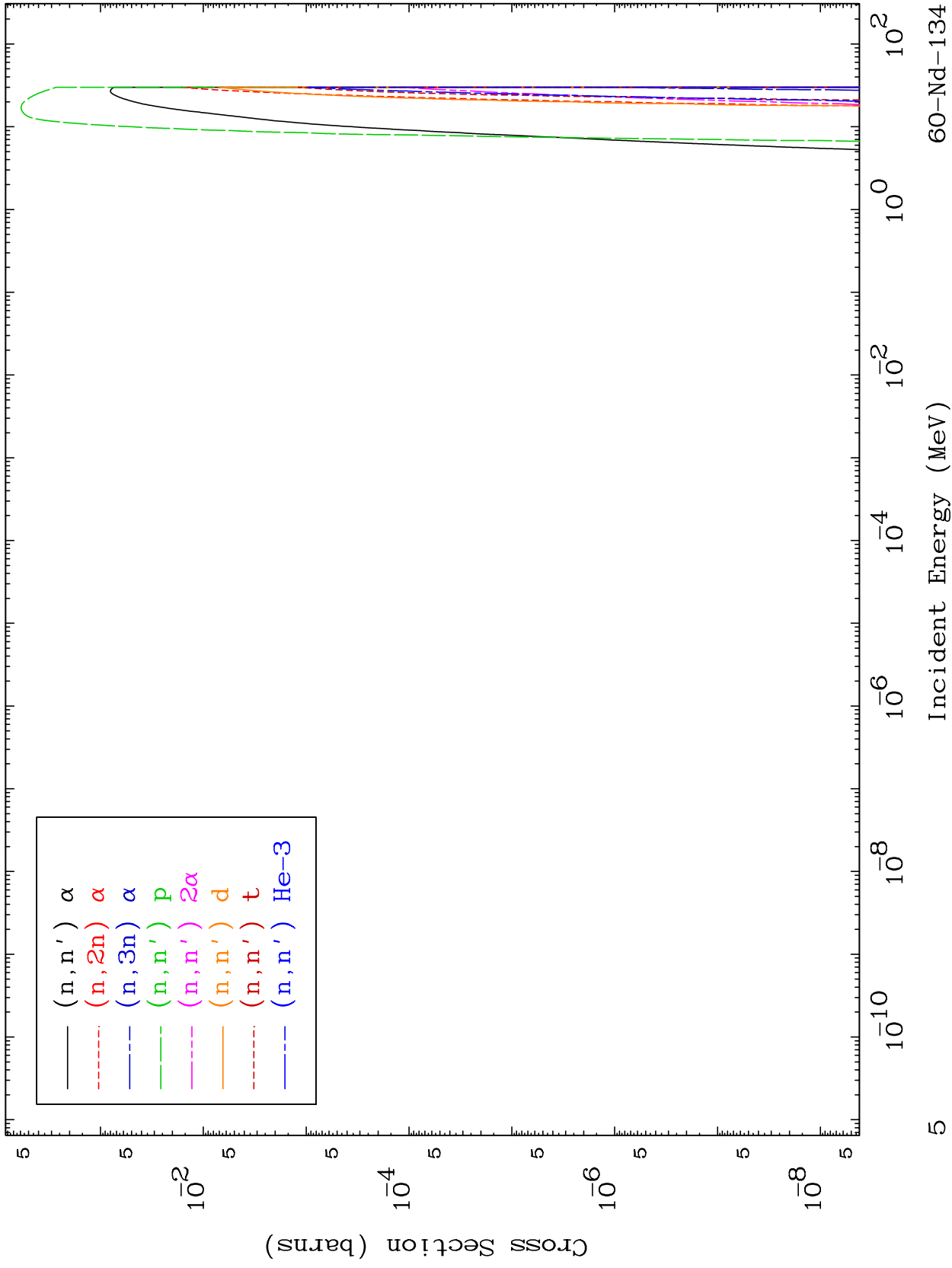
MAT 6001



MAT 6001

Charged Particle  
293 Kelvin Cross Sections

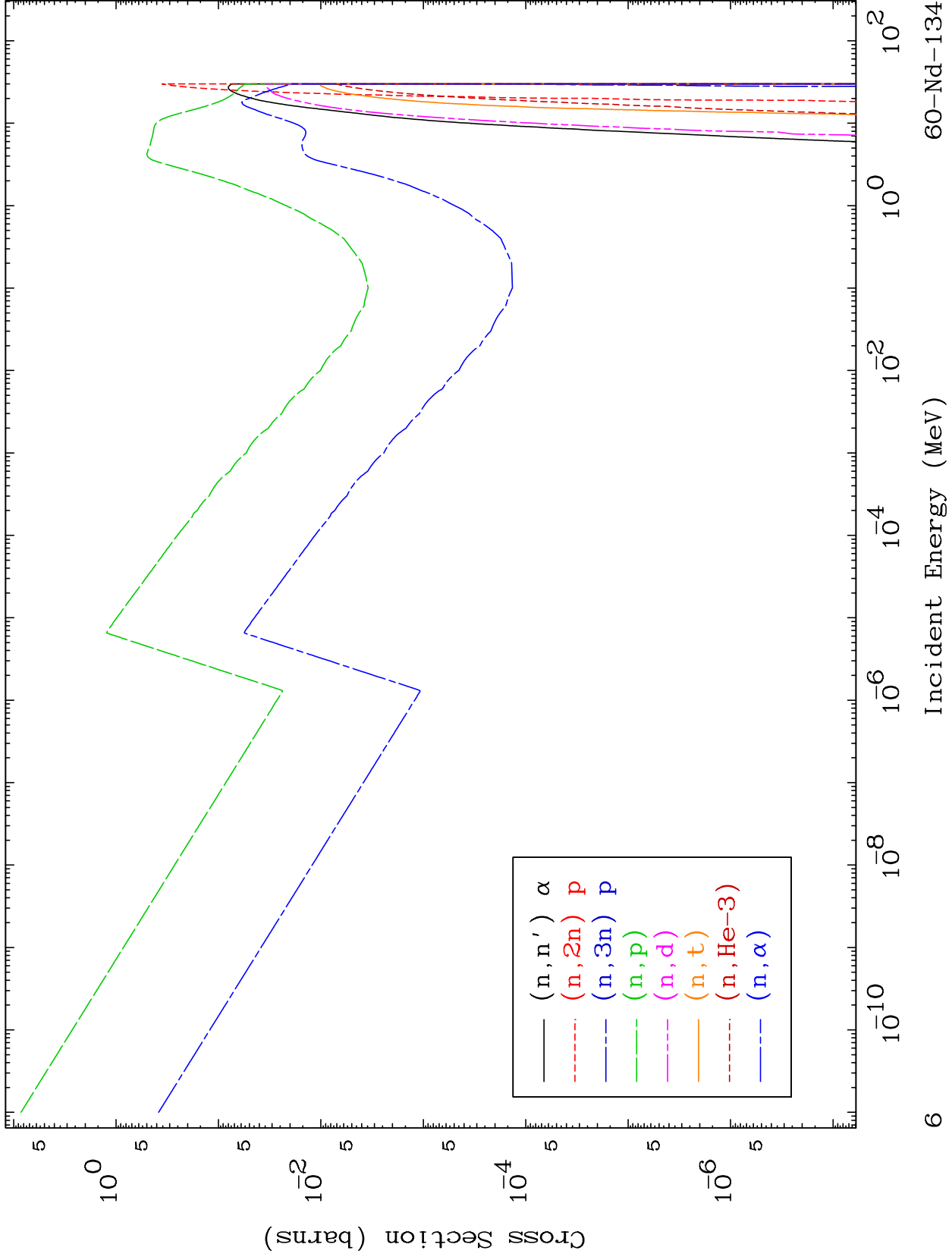
60-Nd-134



MAT 6001

Charged Particle  
293 Kelvin Cross Sections

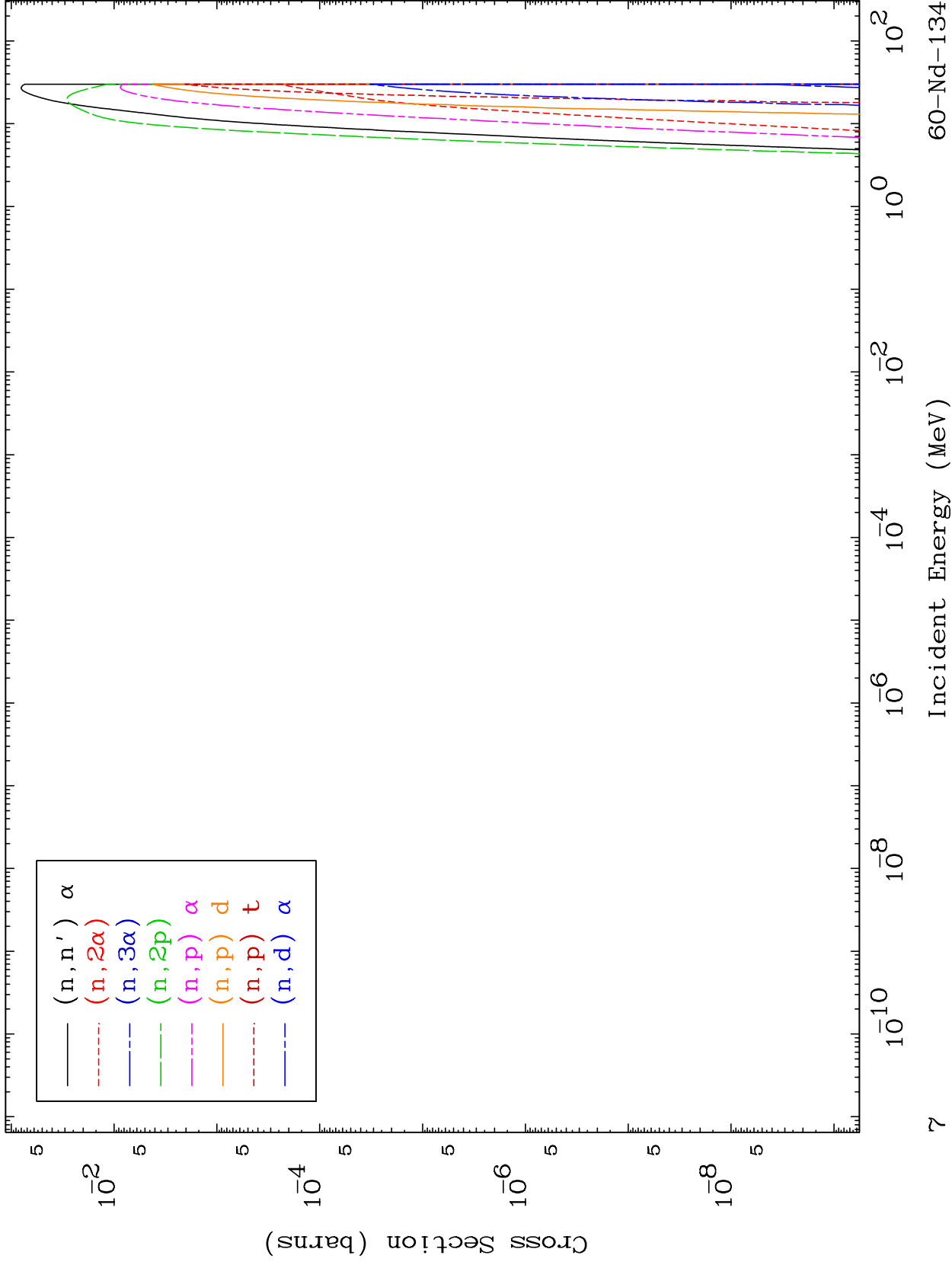
60-Nd-134



MAT 6001

Charged Particle  
293 Kelvin Cross Sections

60-Nd-134

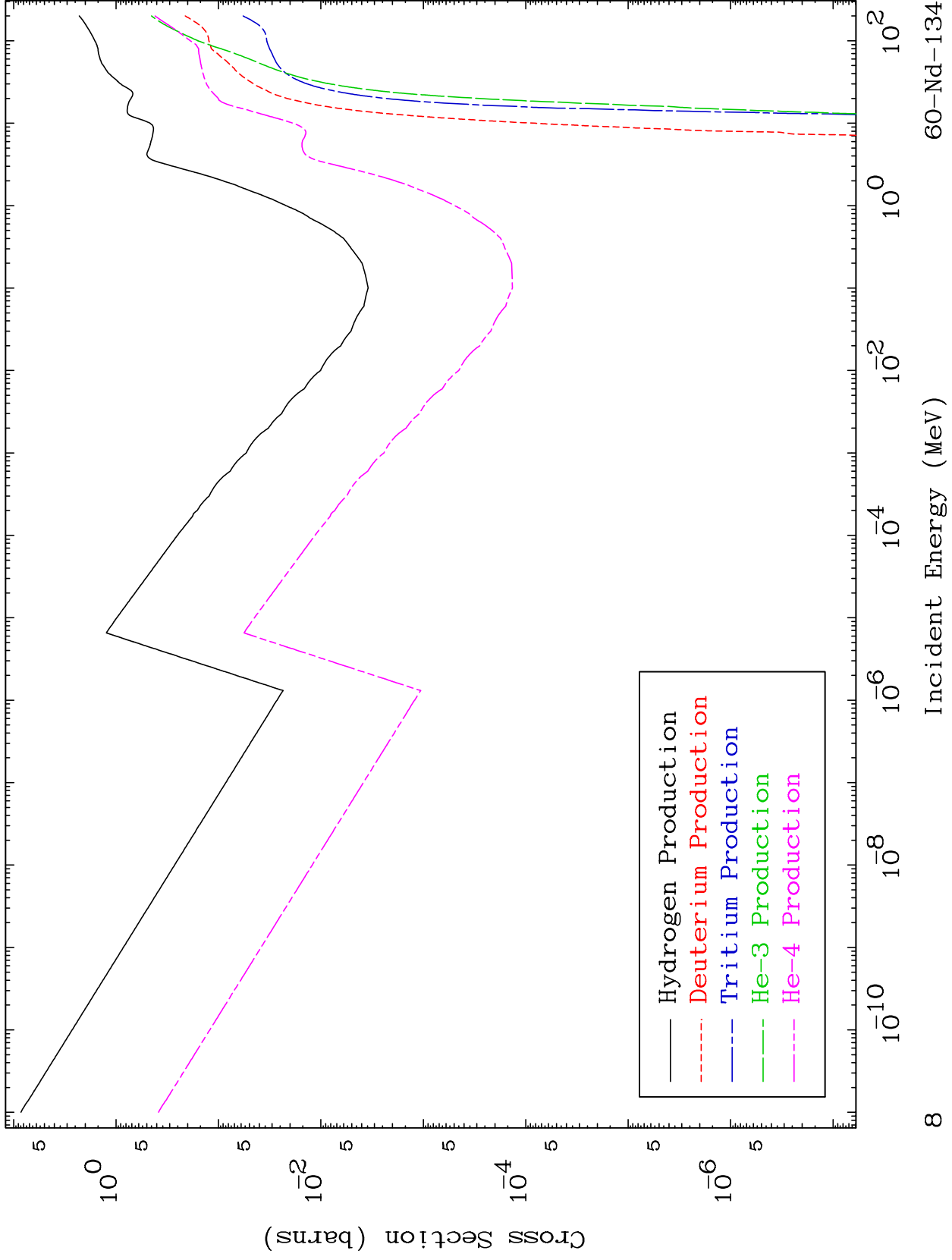




MAT 6001

Particle Production  
293 Kelvin Cross Sections

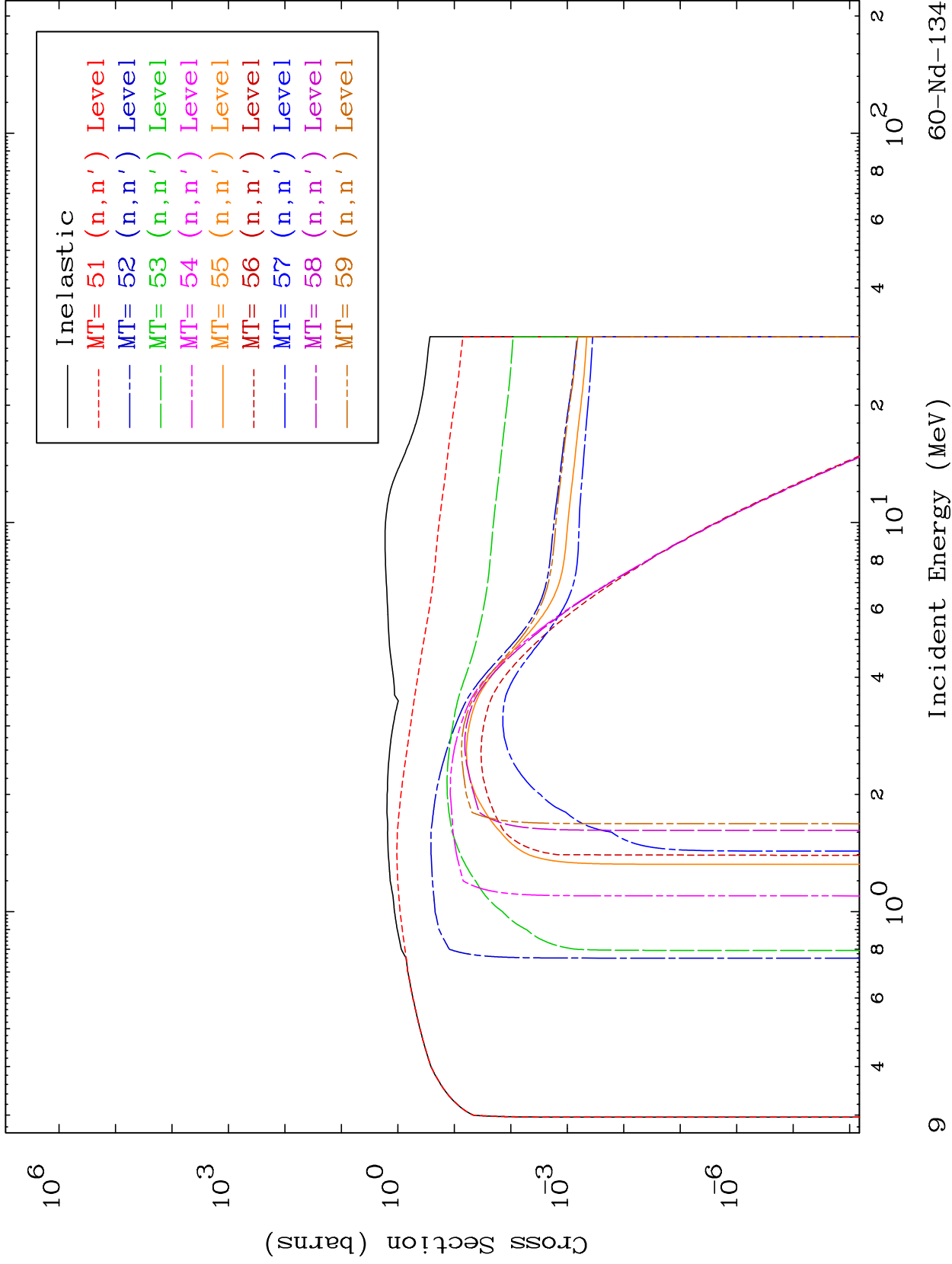
60-Nd-134



MAT 6001

60-Nd-134

(n,n') Levels  
293 Kelvin Cross Sections

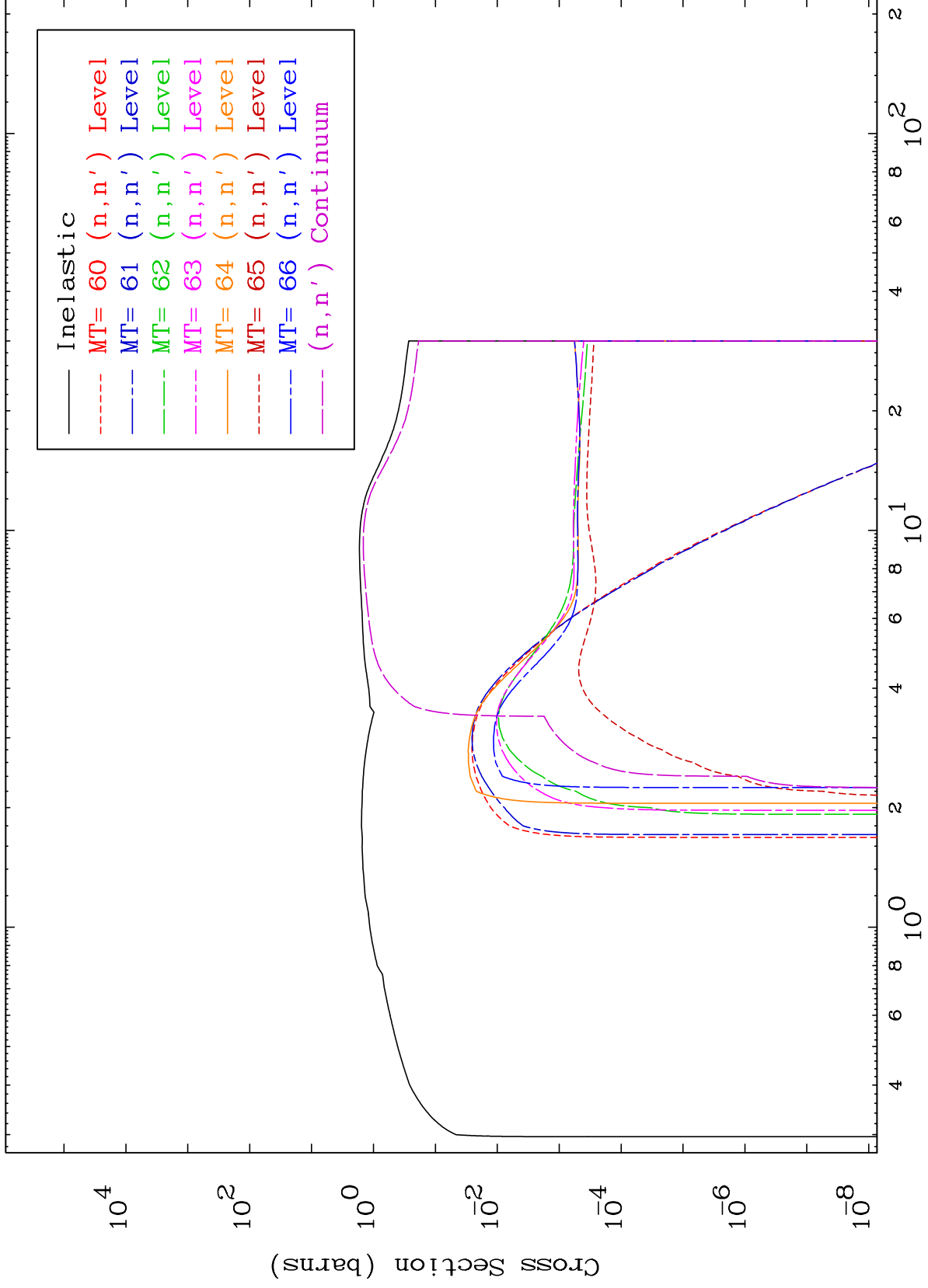


MAT 6001

(n,n') Levels

60-Nd-134

293 Kelvin Cross Sections



10

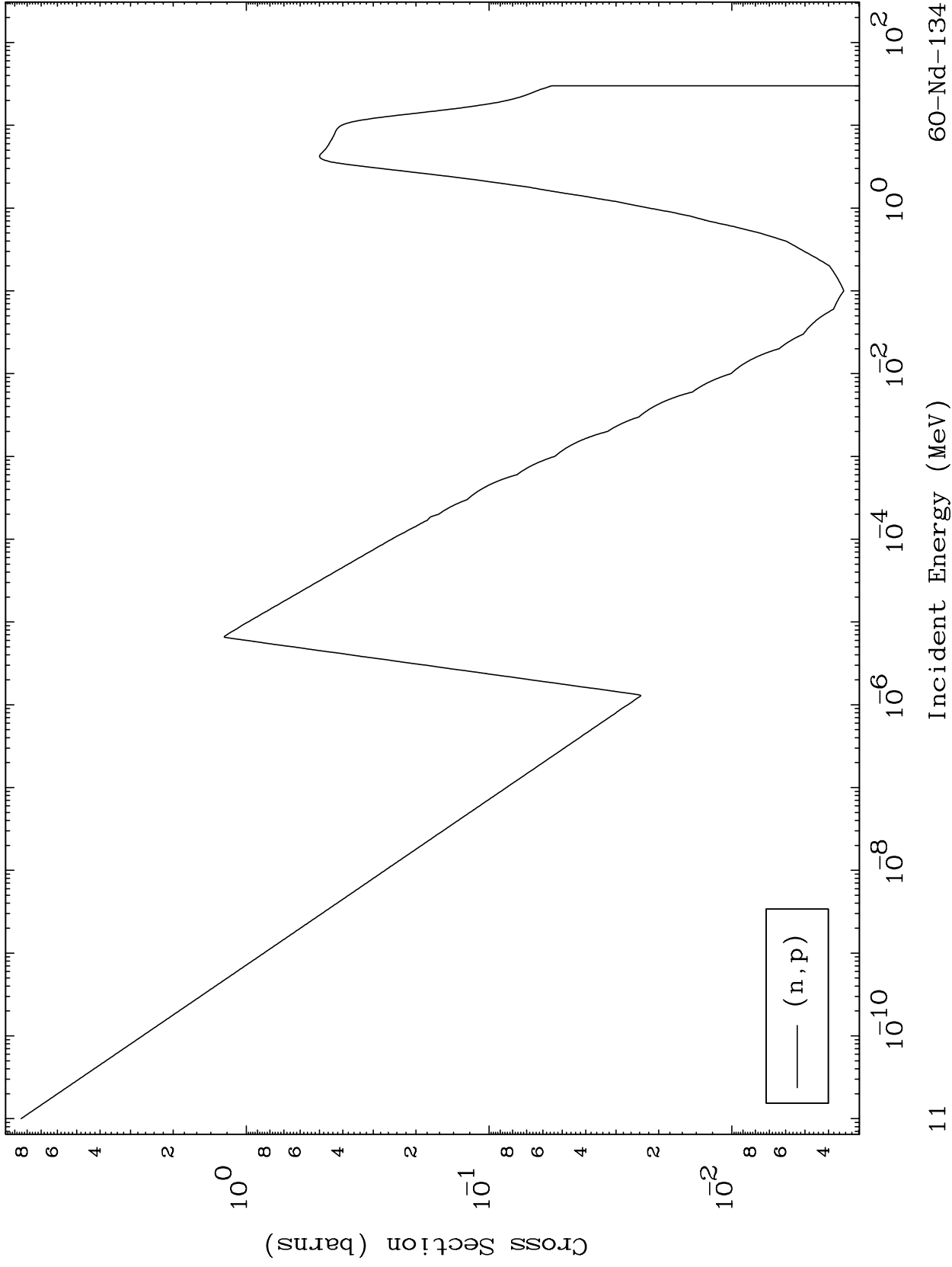
Incident Energy (MeV)

60-Nd-134

MAT 6001

(n,p) Levels  
293 Kelvin Cross Sections

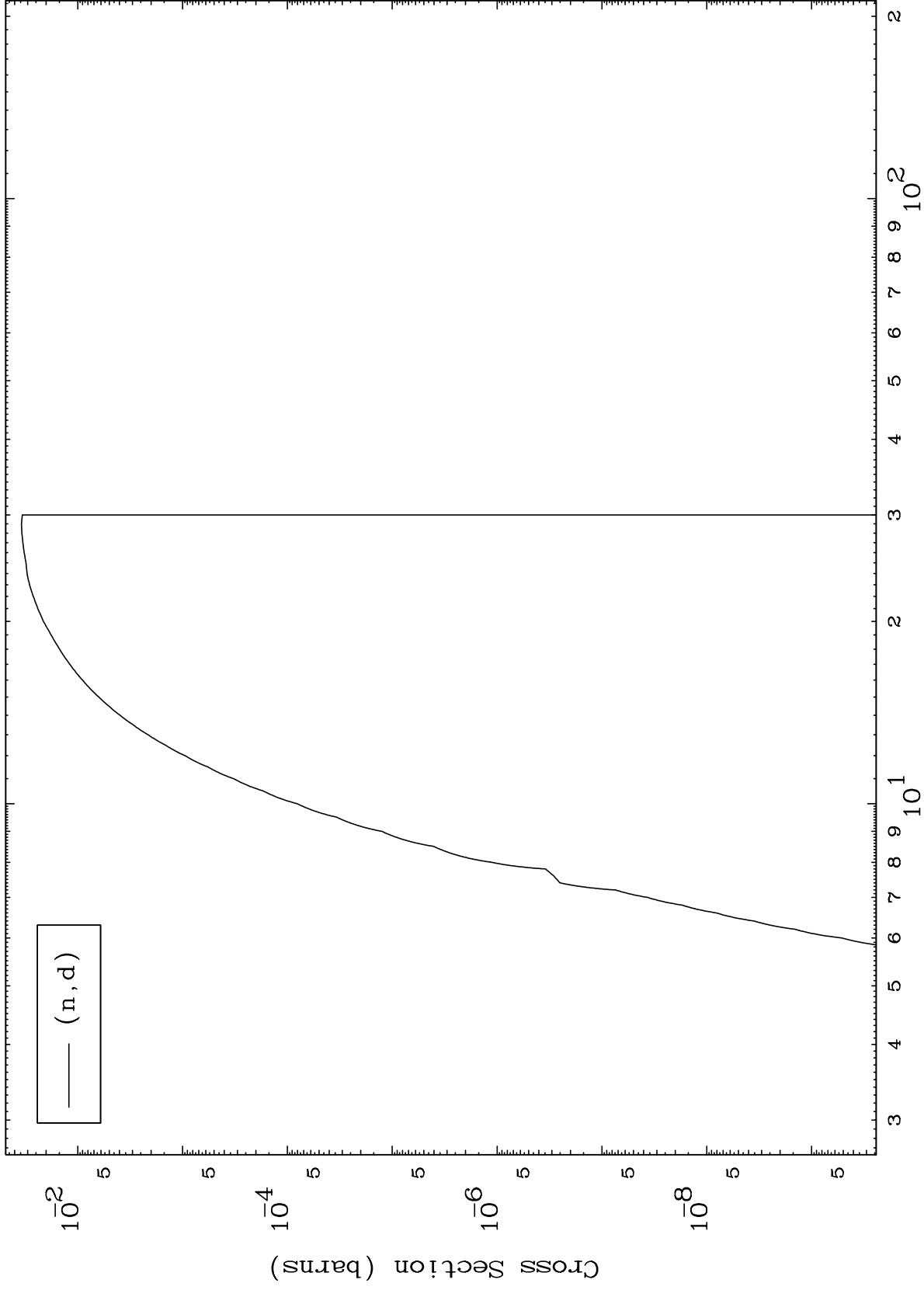
60-Nd-134



MAT 6001

(n,d) Levels  
293 Kelvin Cross Sections

60-Nd-134



12

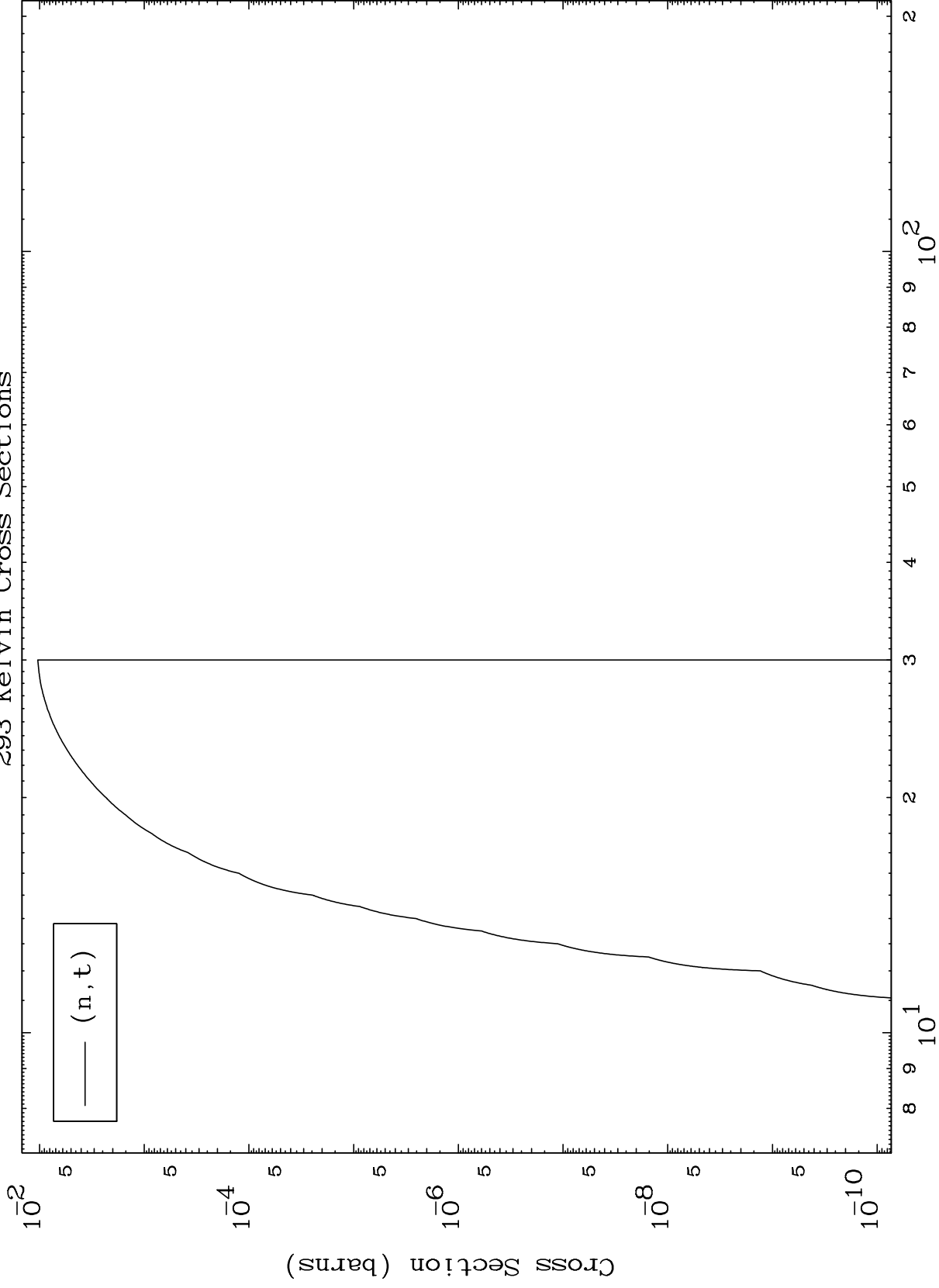
Incident Energy (MeV)

60-Nd-134

MAT 6001

(n,t) Levels  
293 Kelvin Cross Sections

60-Nd-134



13

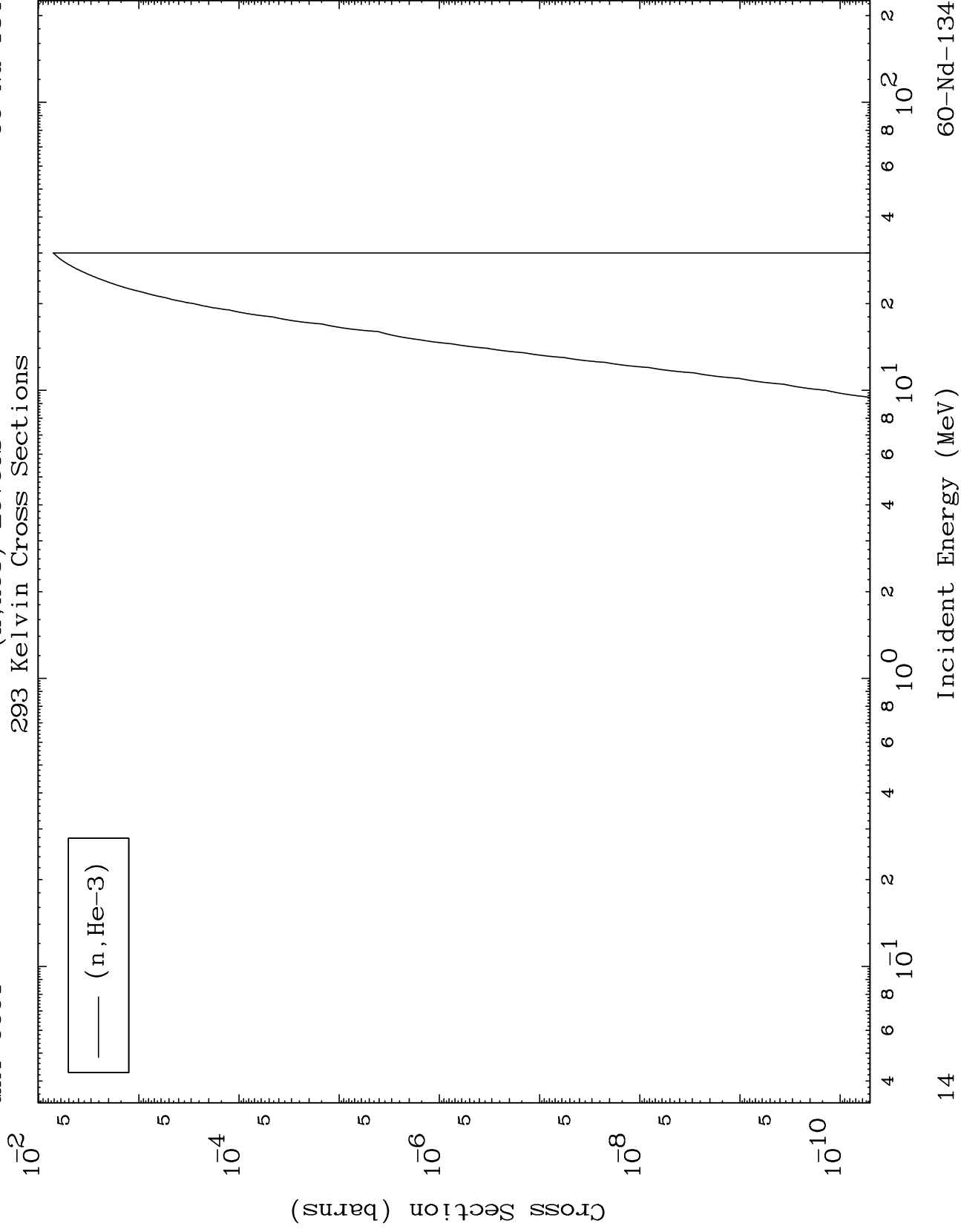
Incident Energy (MeV)

60-Nd-134

MAT 6001

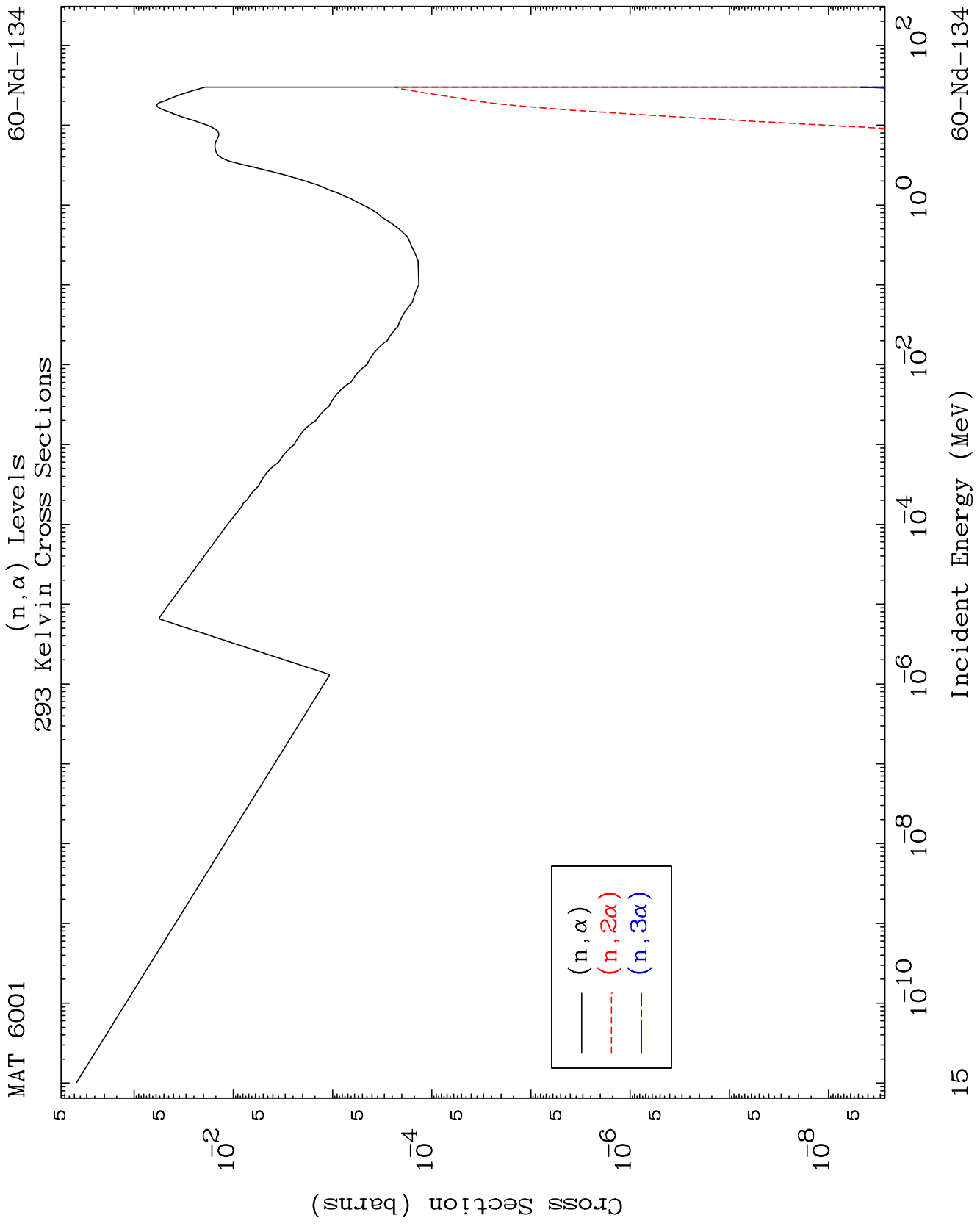
(n,He3) Levels  
293 Kelvin Cross Sections

60-Nd-134

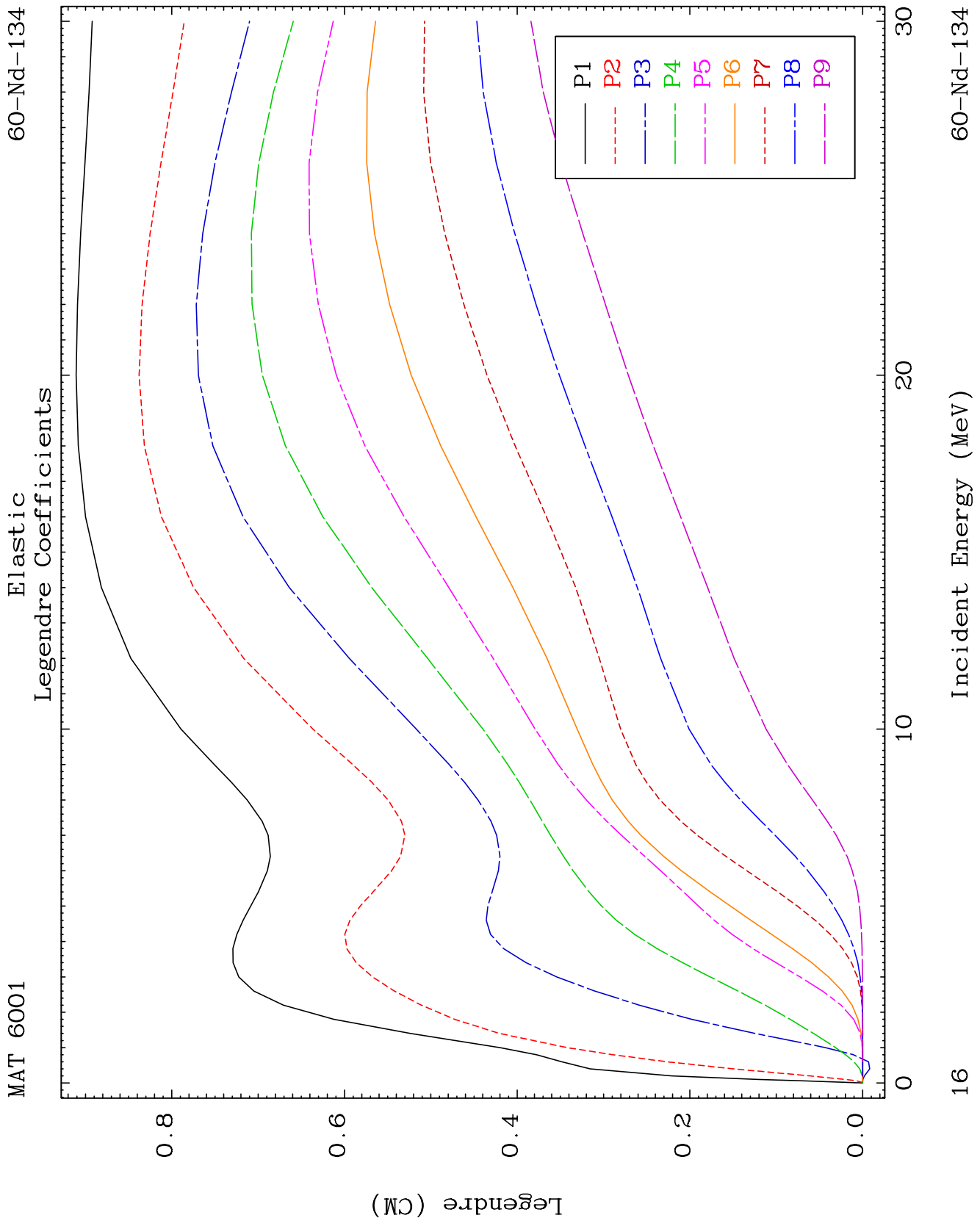


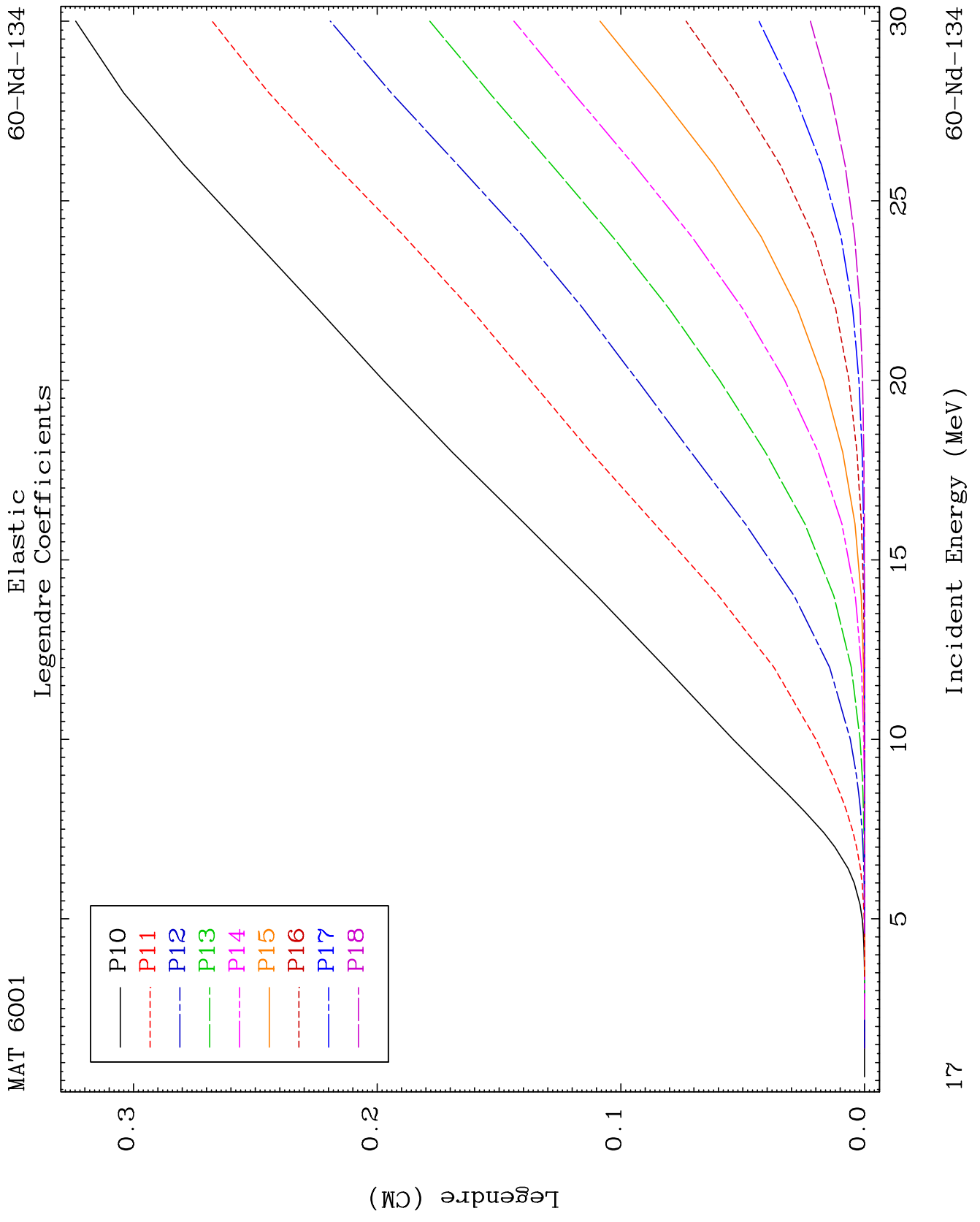
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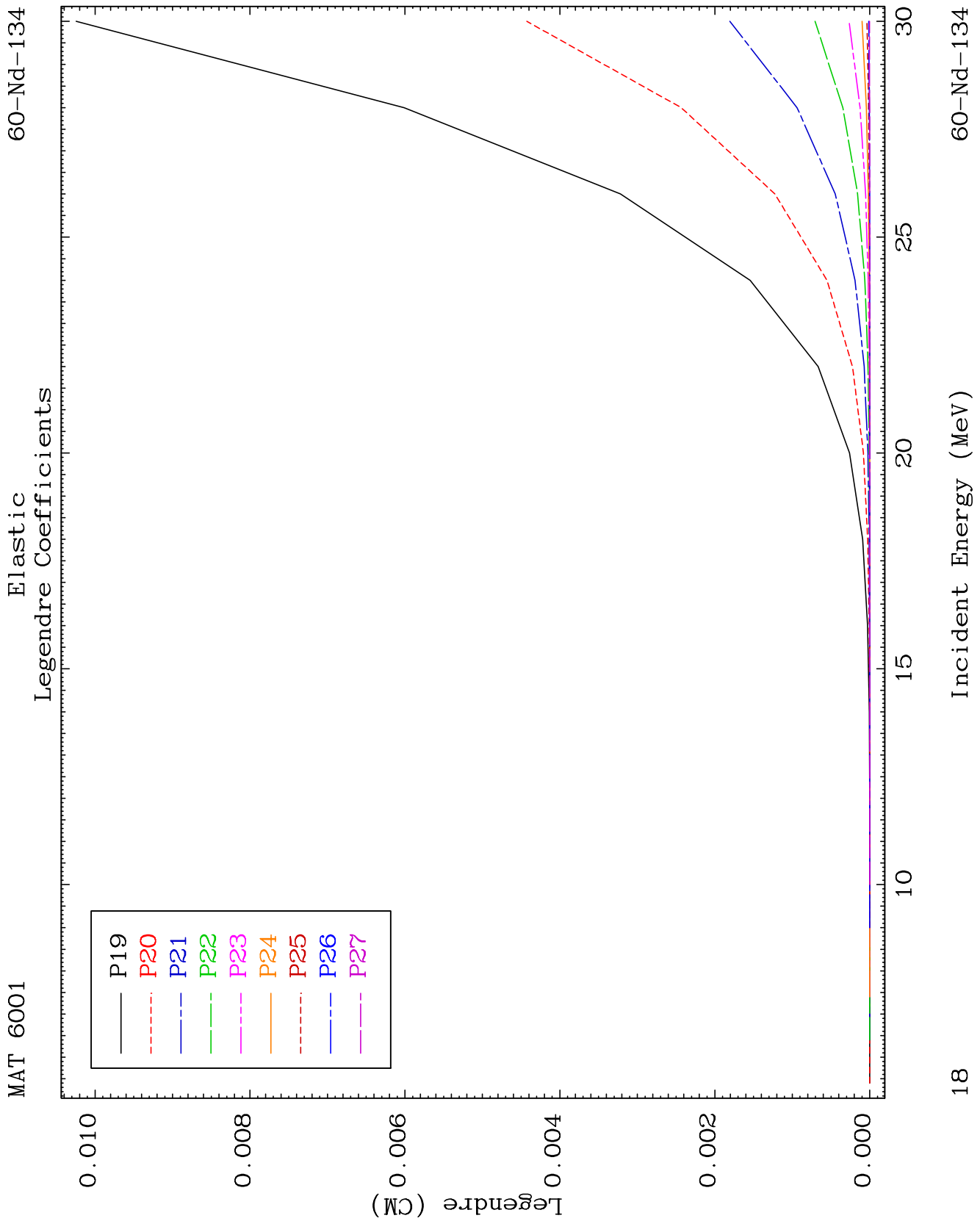
60-Nd-134











MAT 6001

Elastic Legendre Coefficients

60-Nd-134

- P19
- P20
- P21
- P22
- P23
- P24
- P25
- P26
- P27

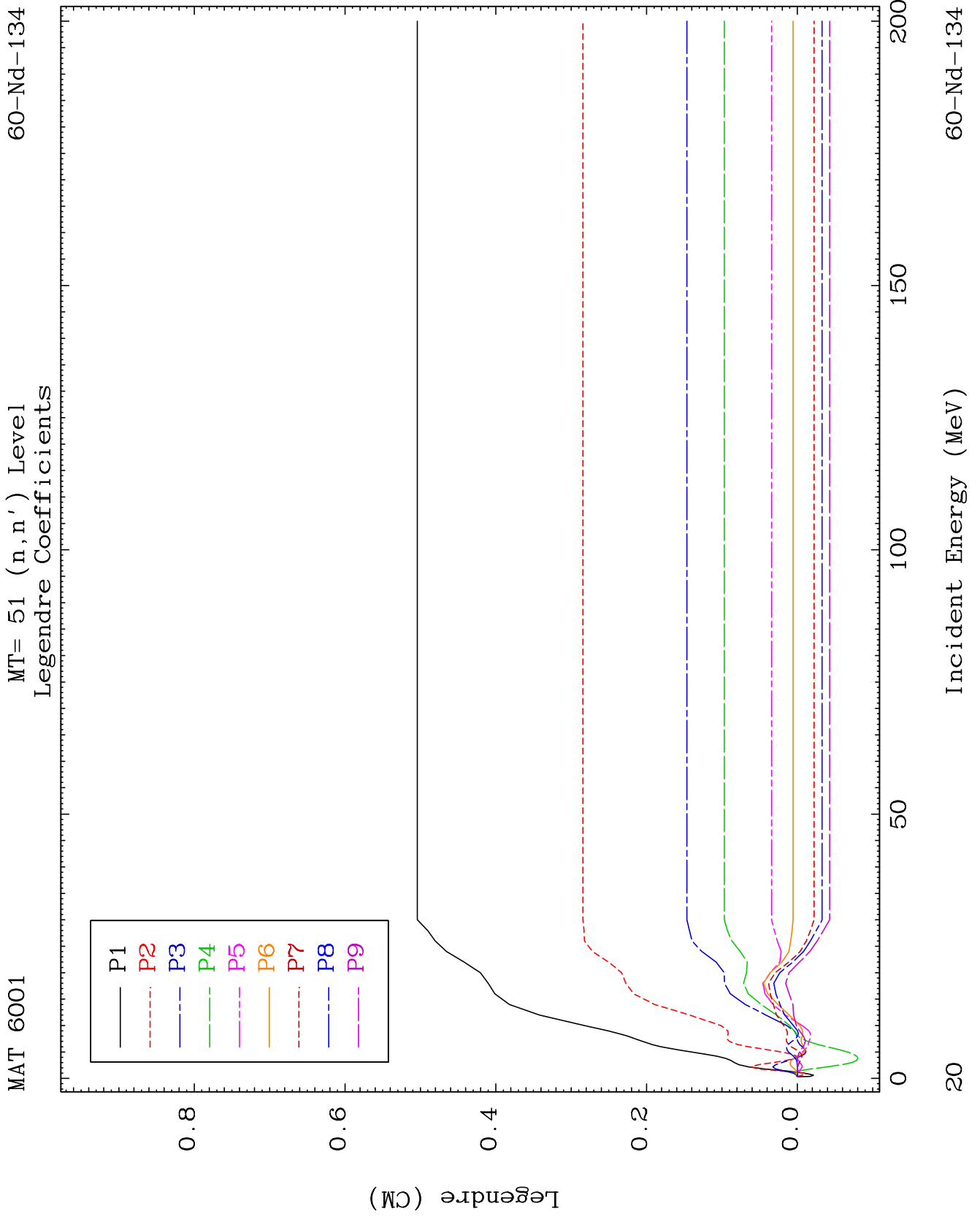
Legendre (CM)

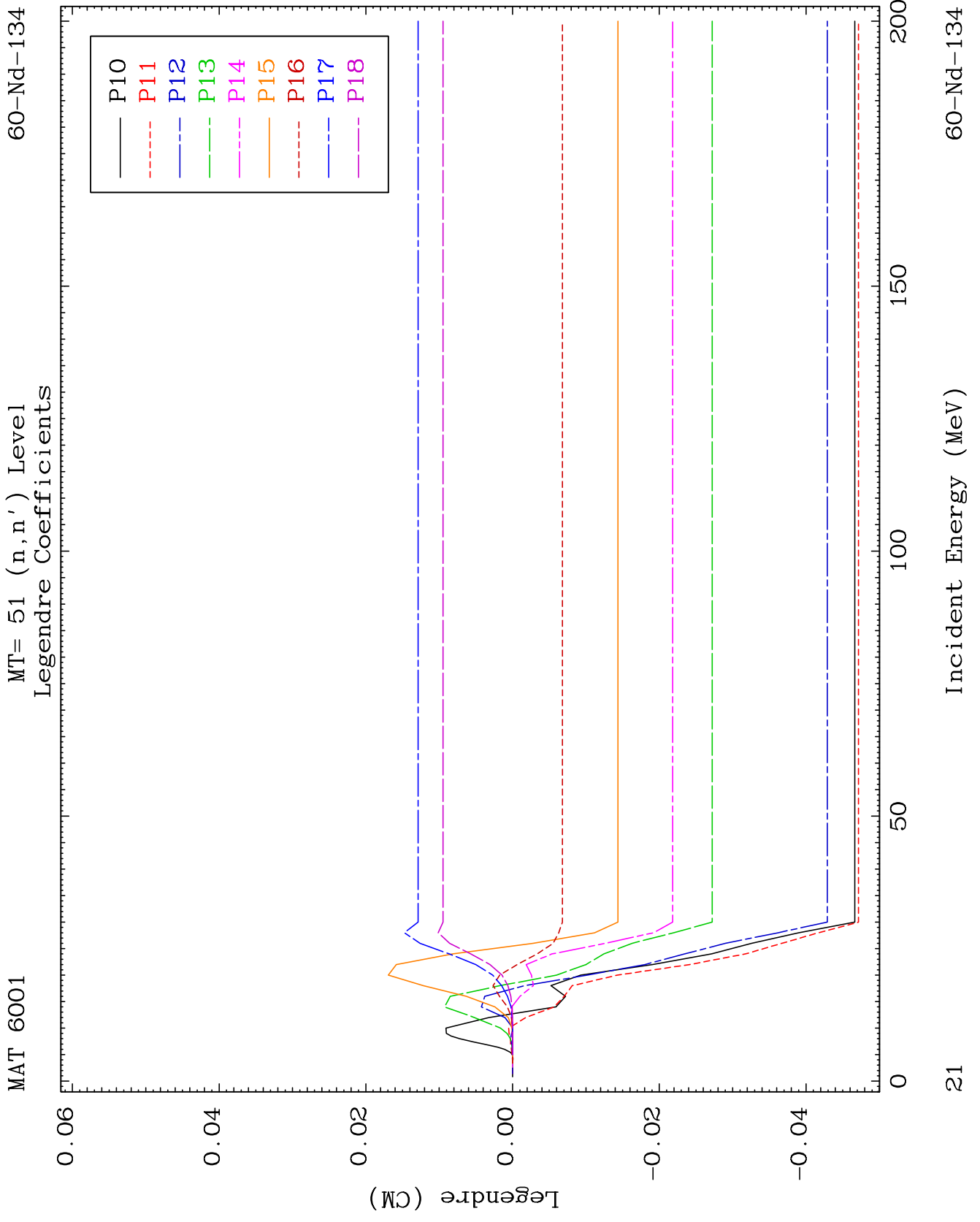
Incident Energy (MeV)

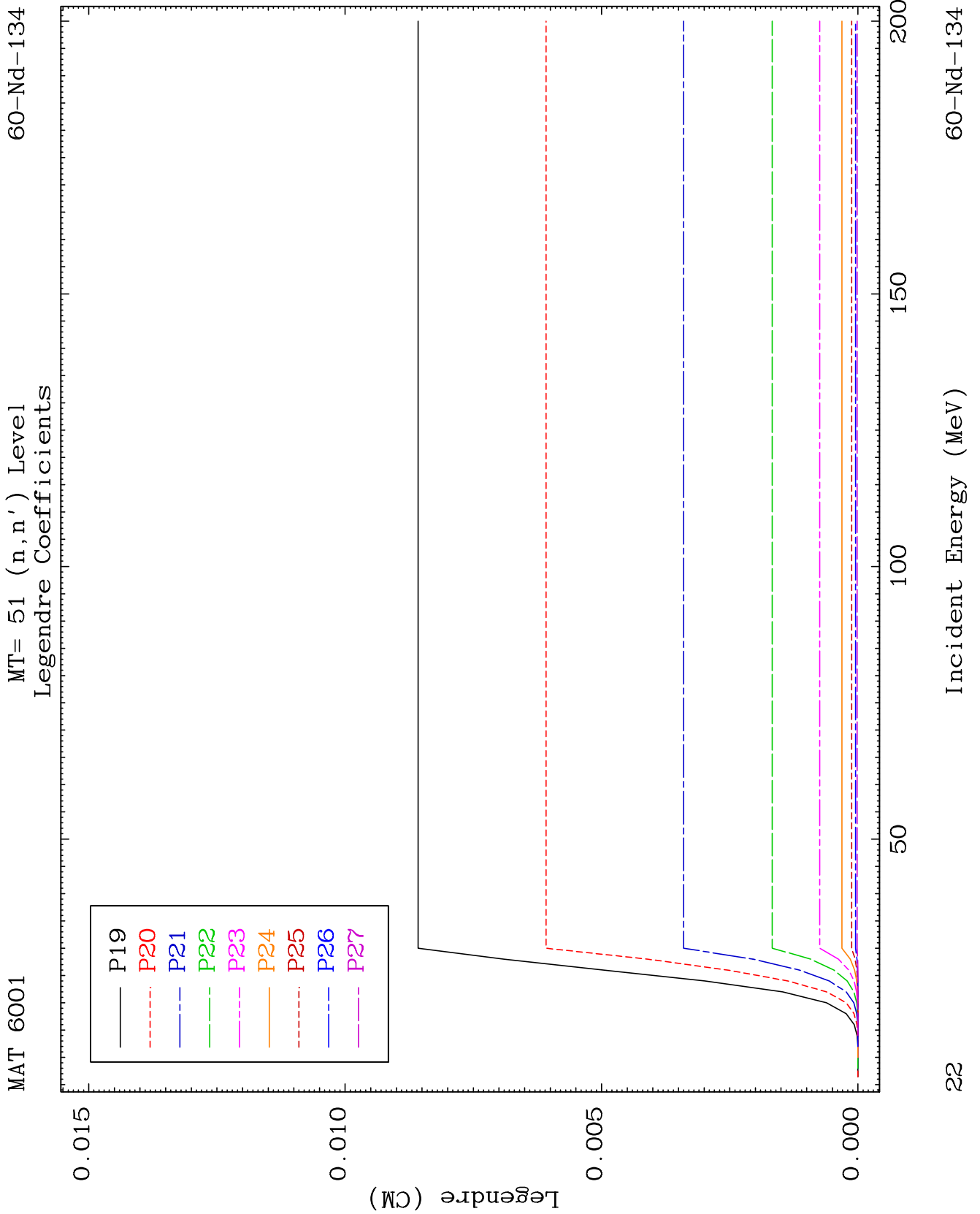
60-Nd-134

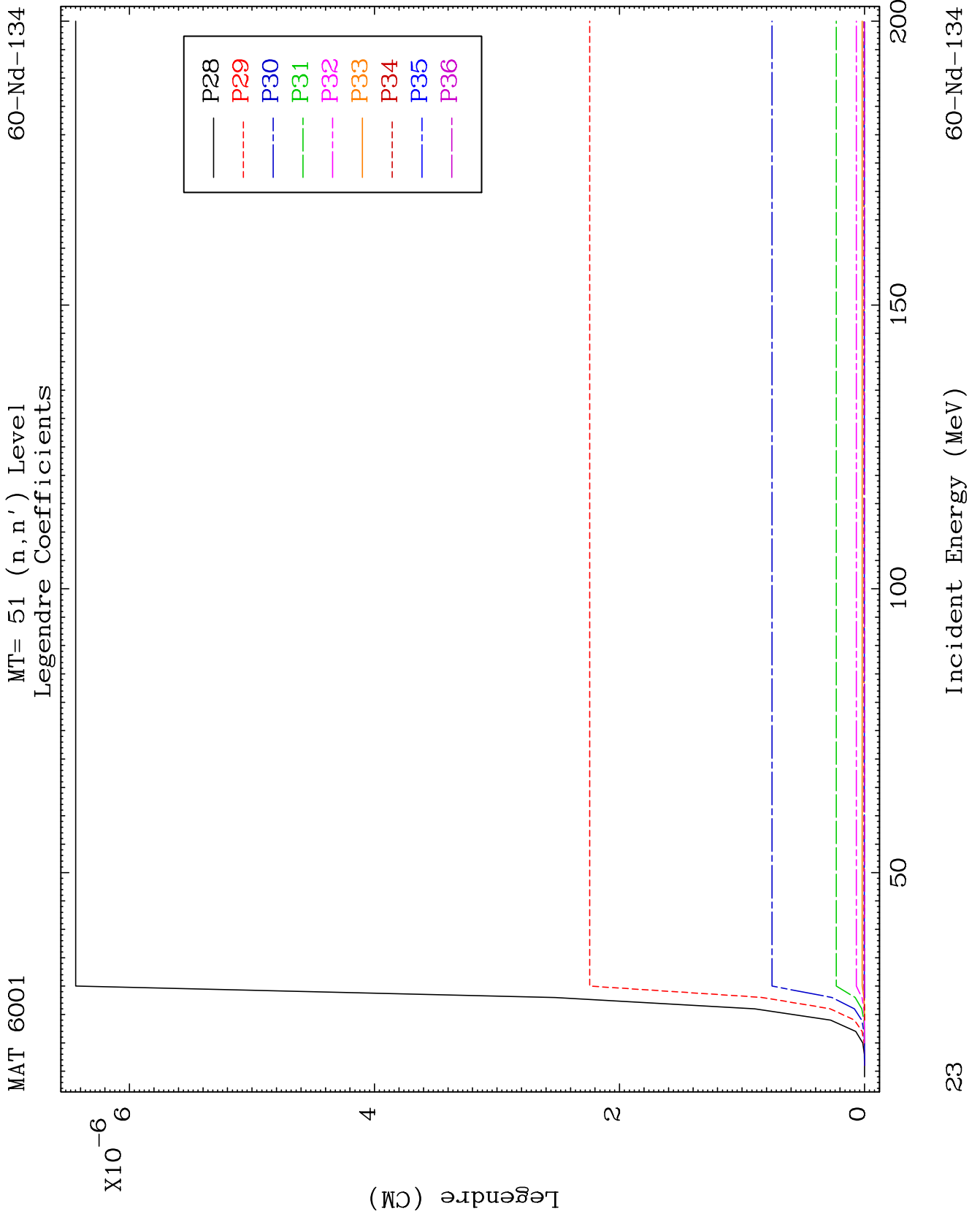
18



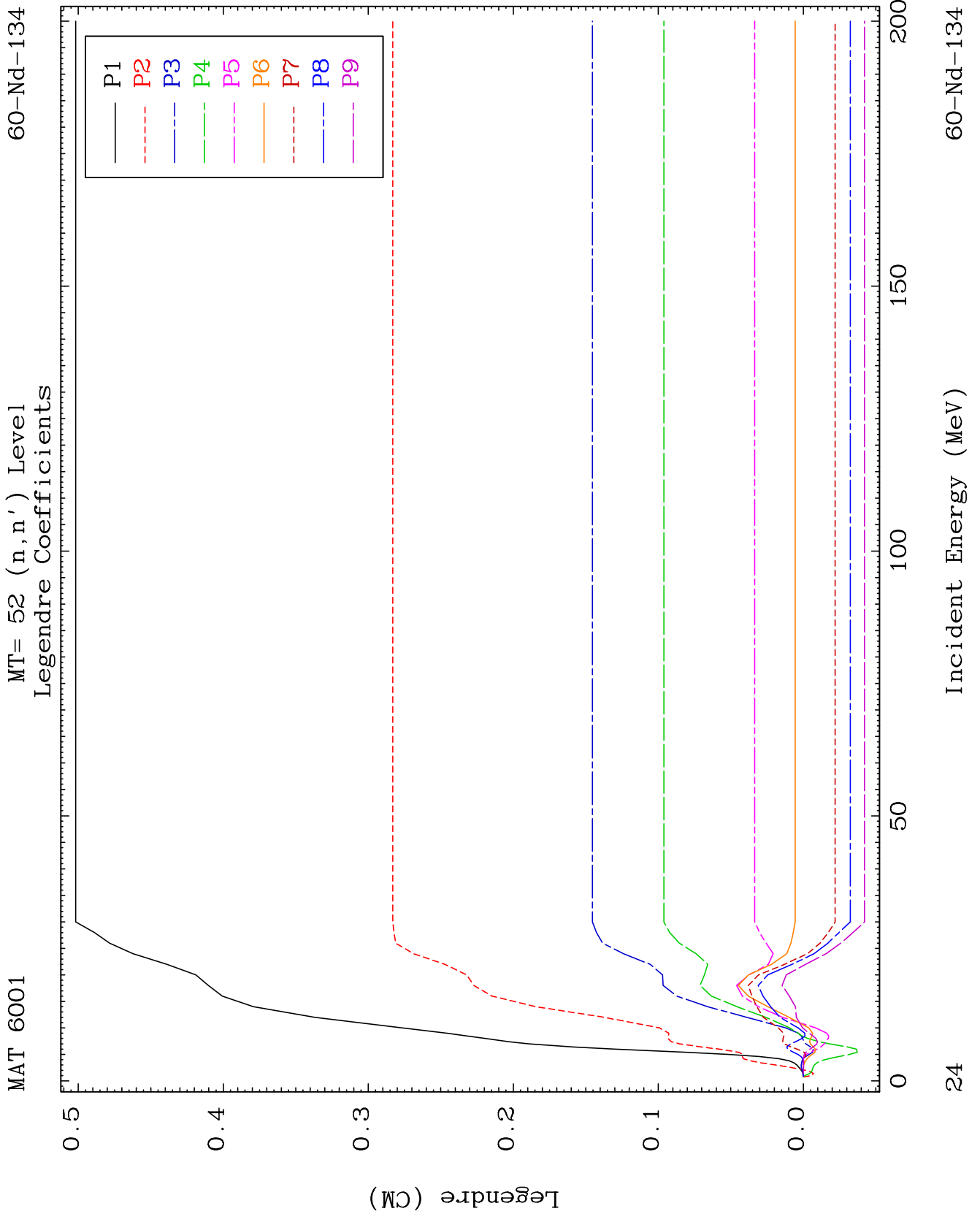


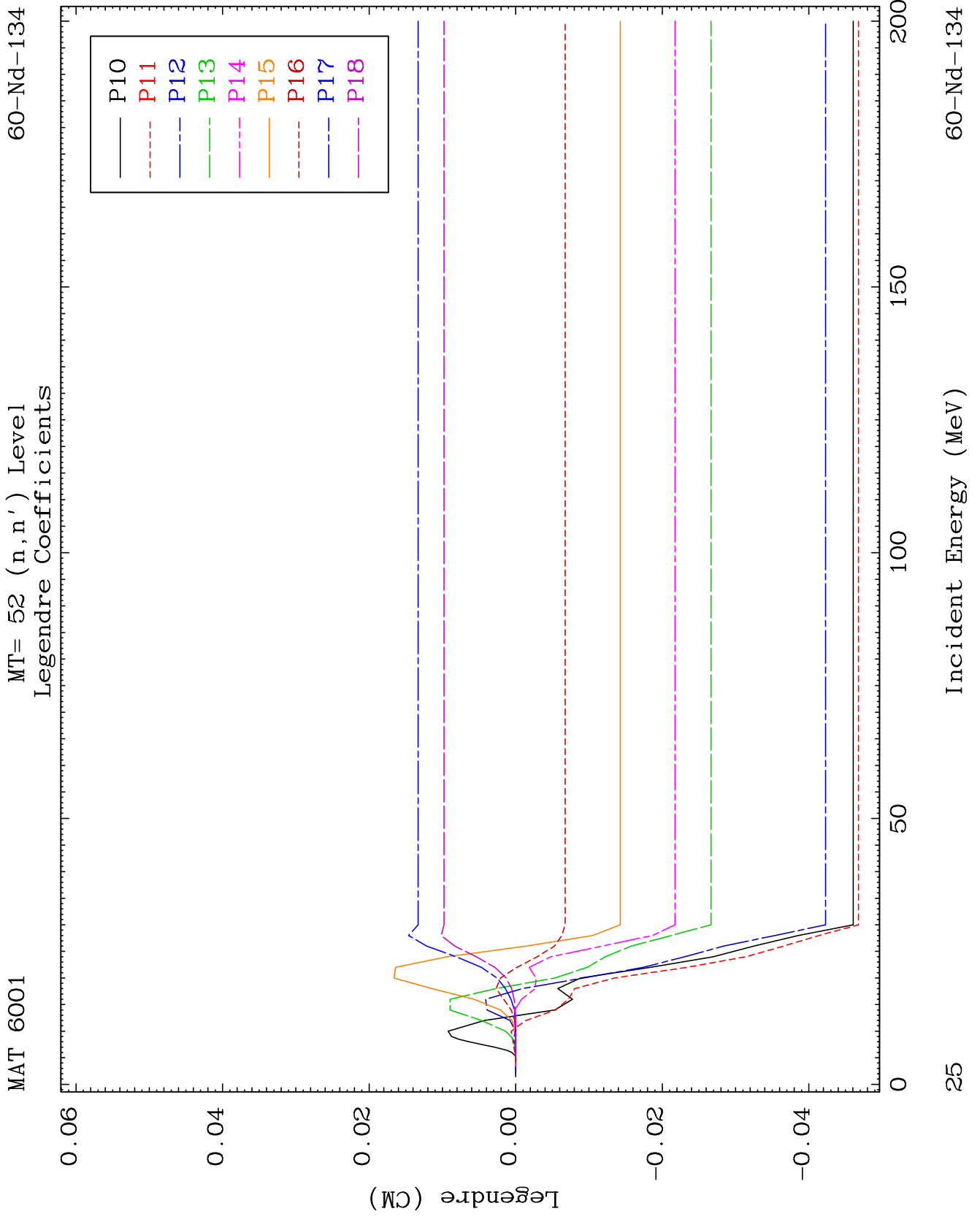


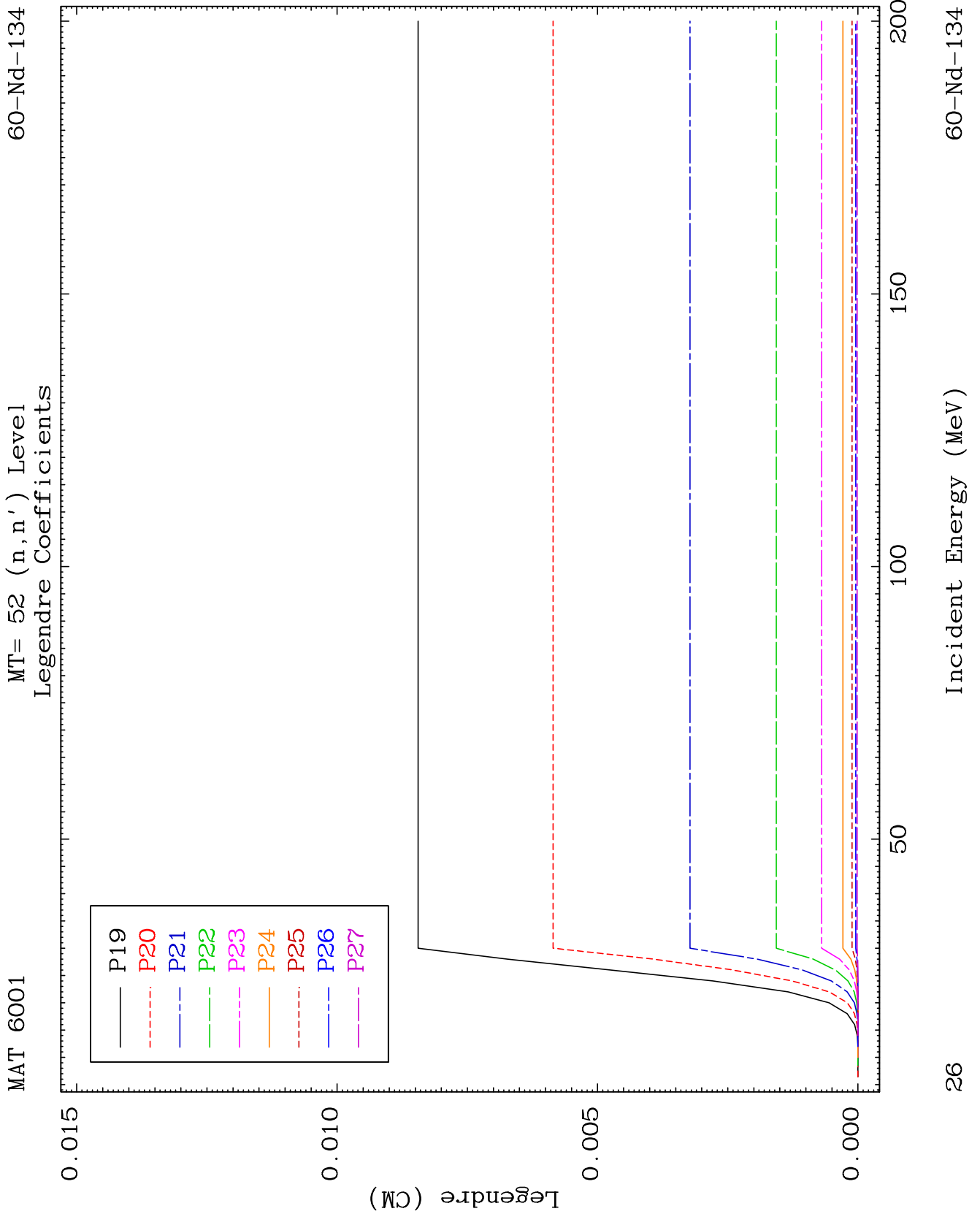


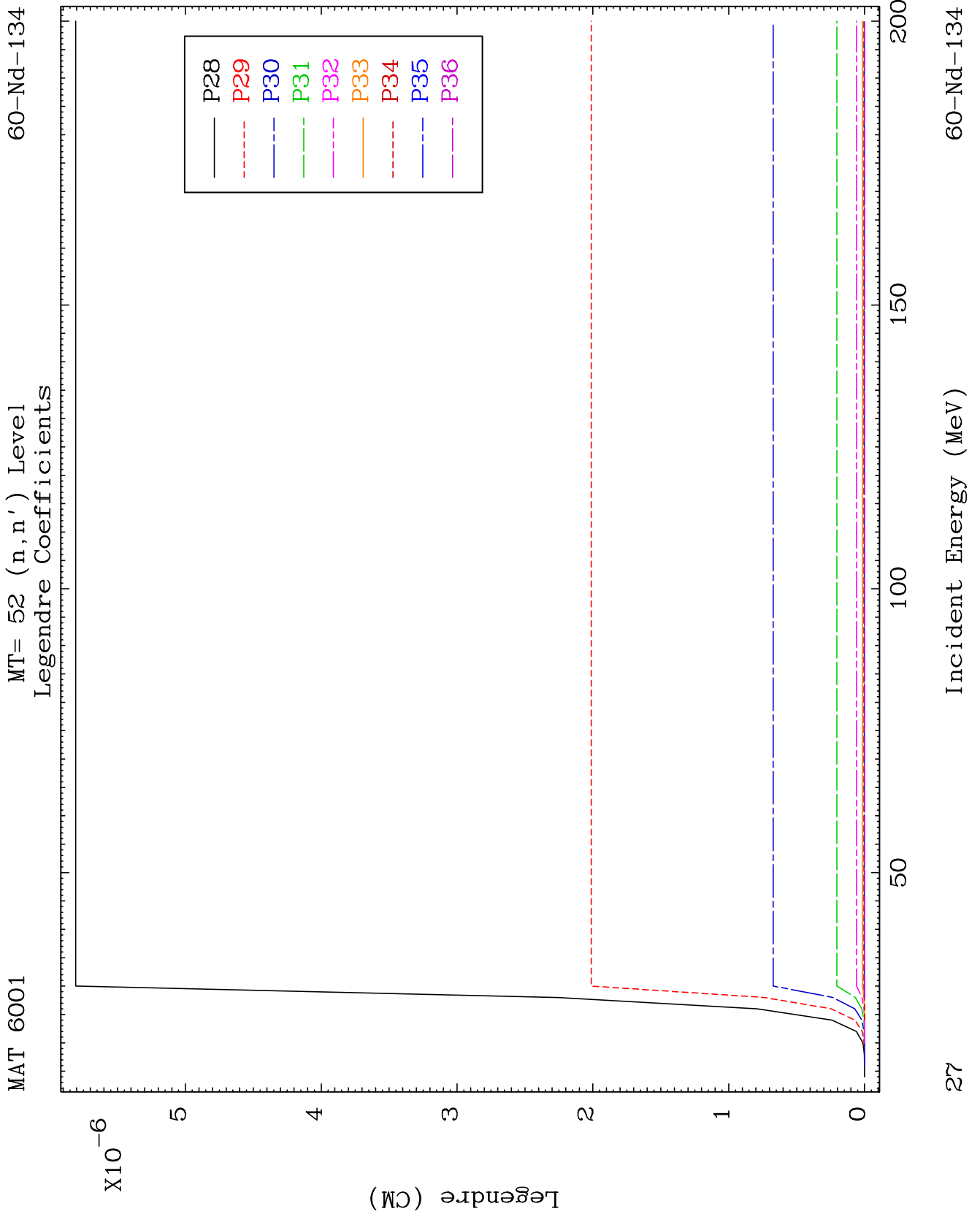






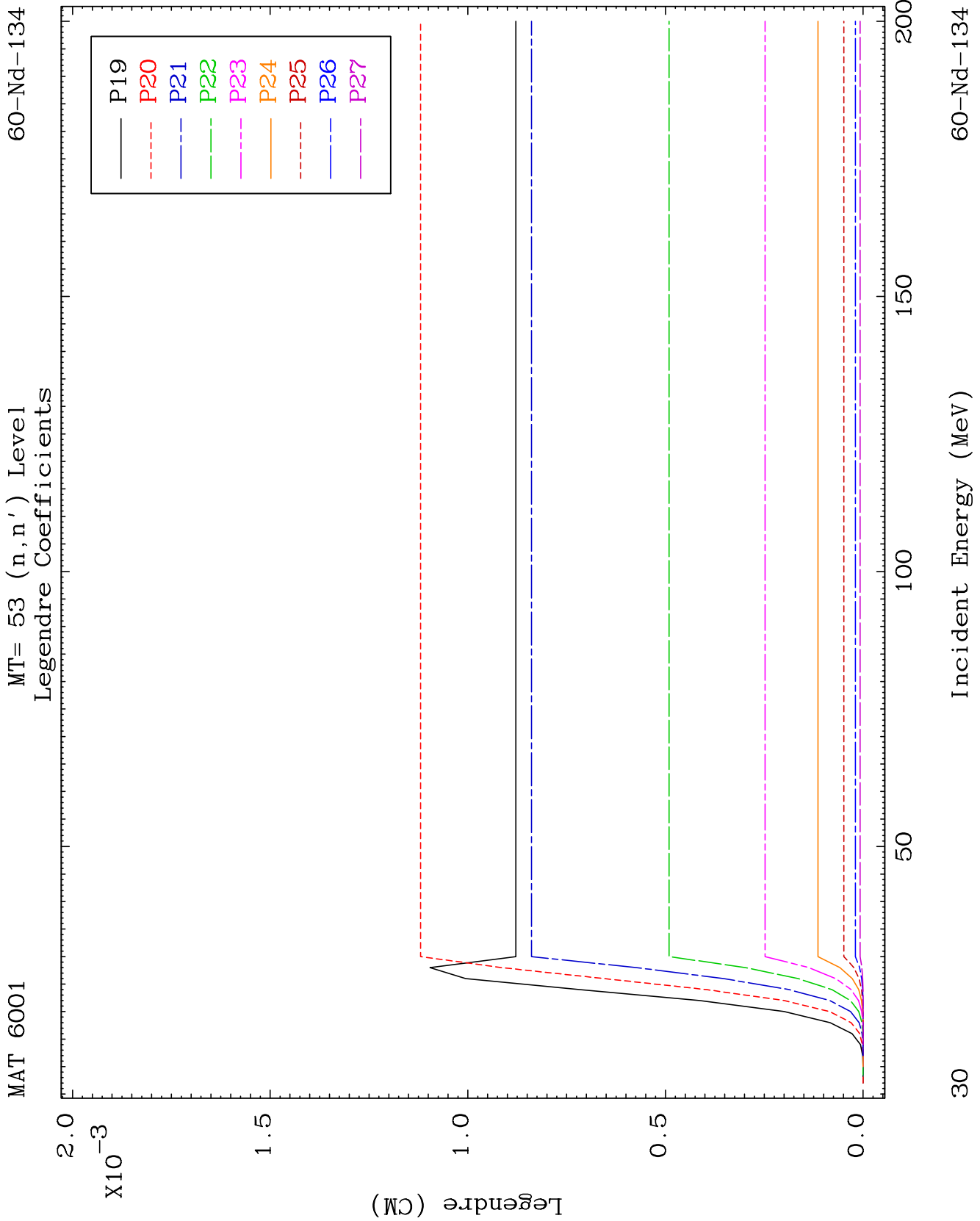








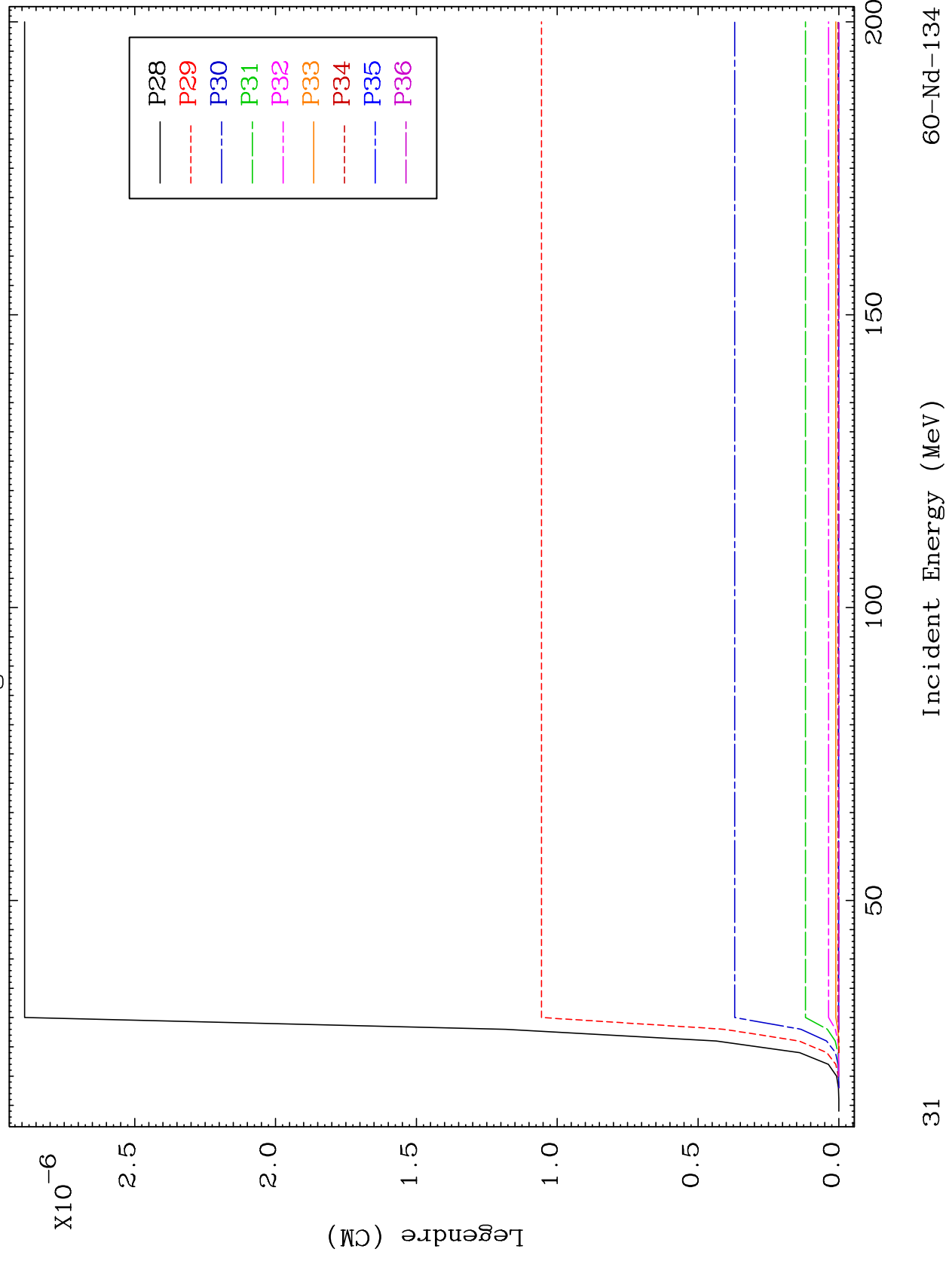




MAT 6001

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

60-Nd-134



60-Nd-134

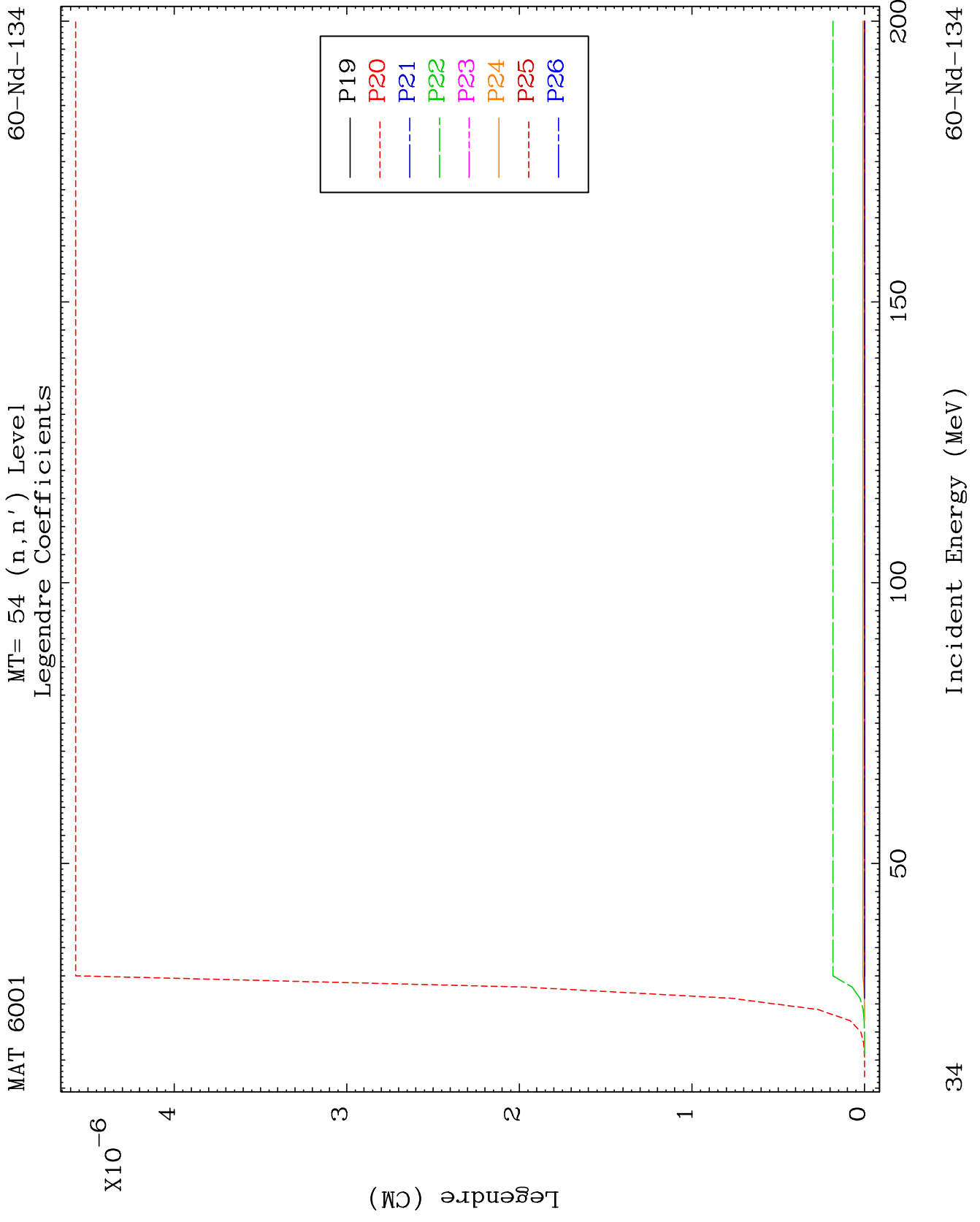
Incident Energy (MeV)

31









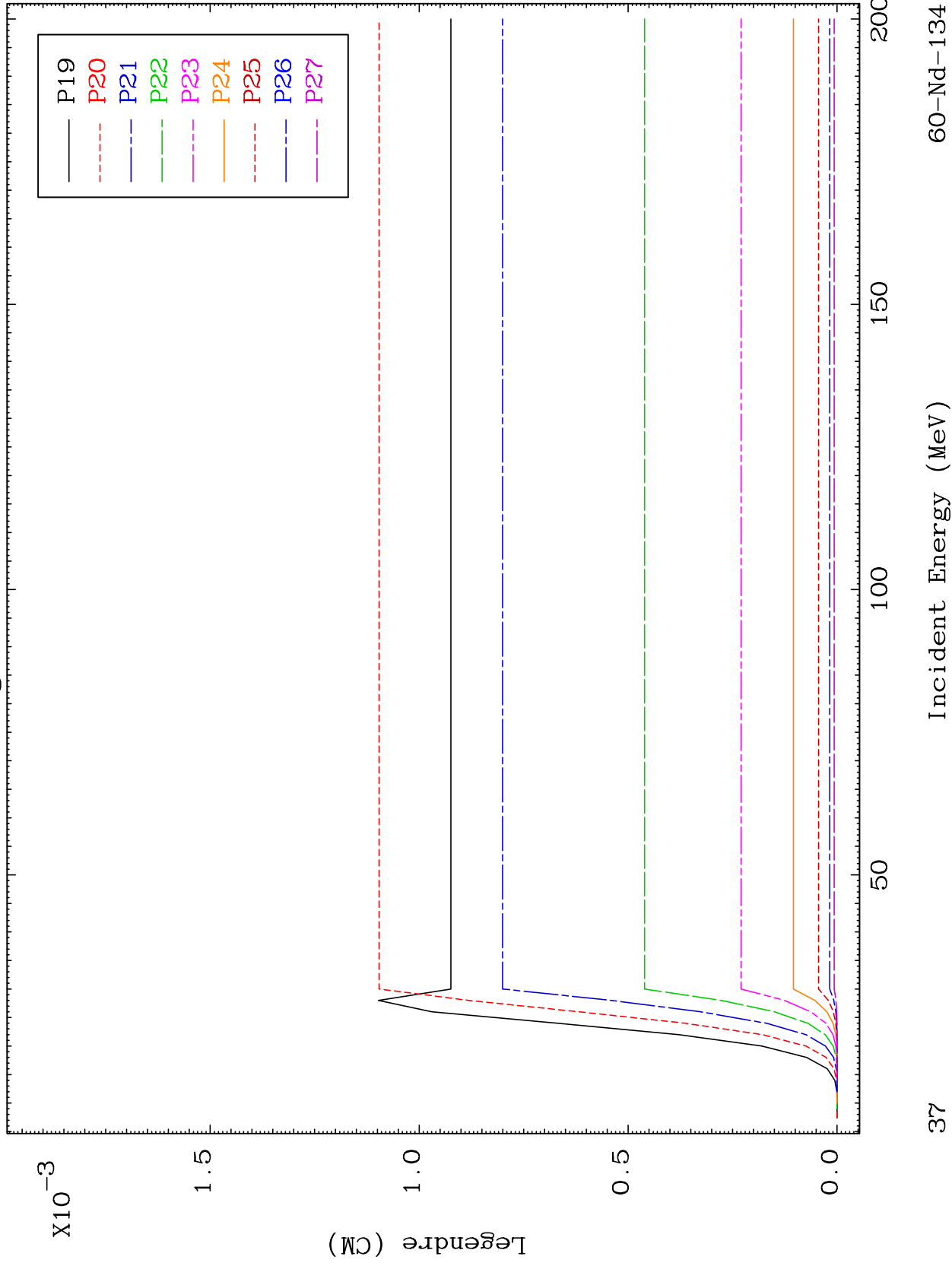




MAT 6001

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

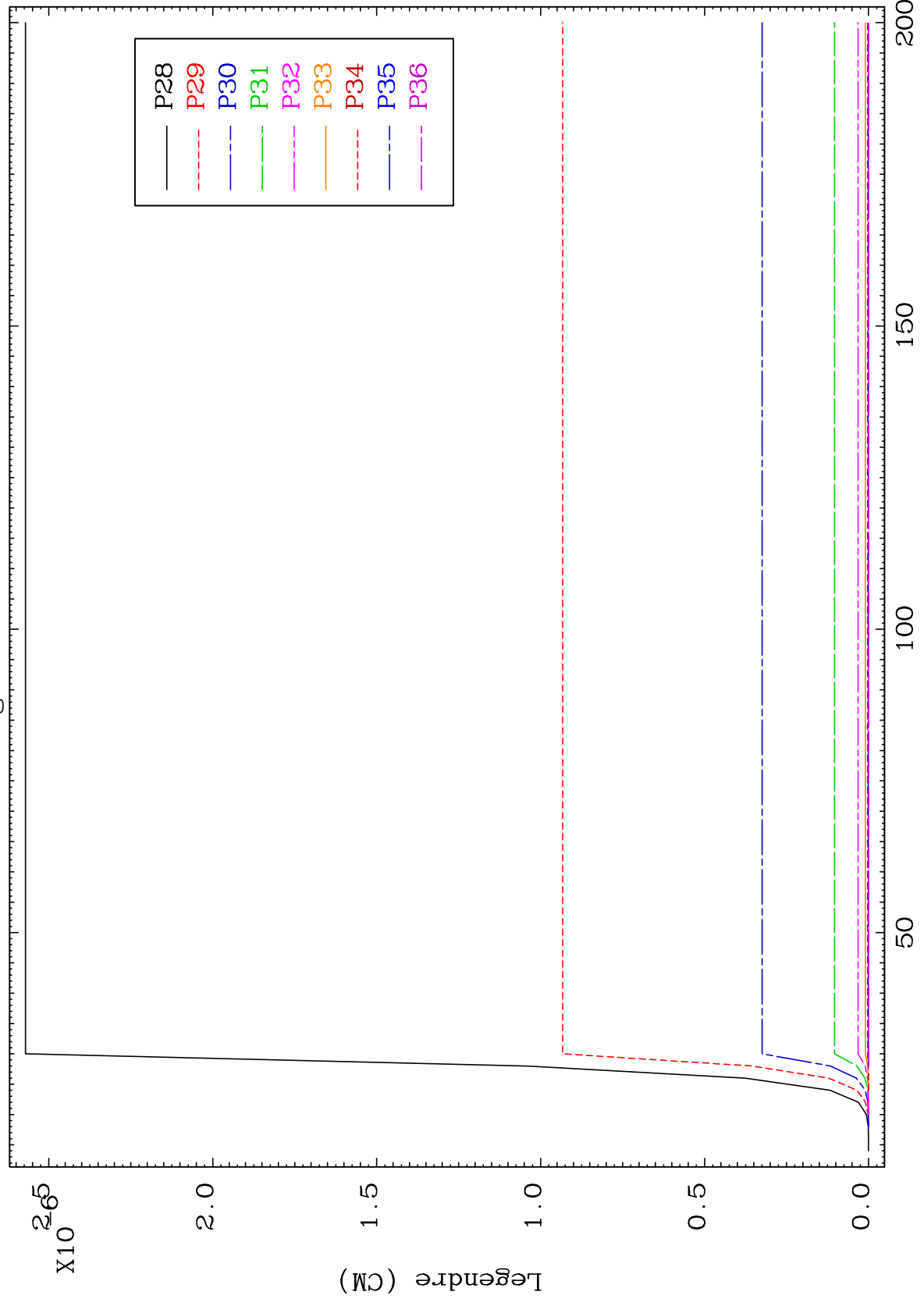
60-Nd-134



MAT 6001

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

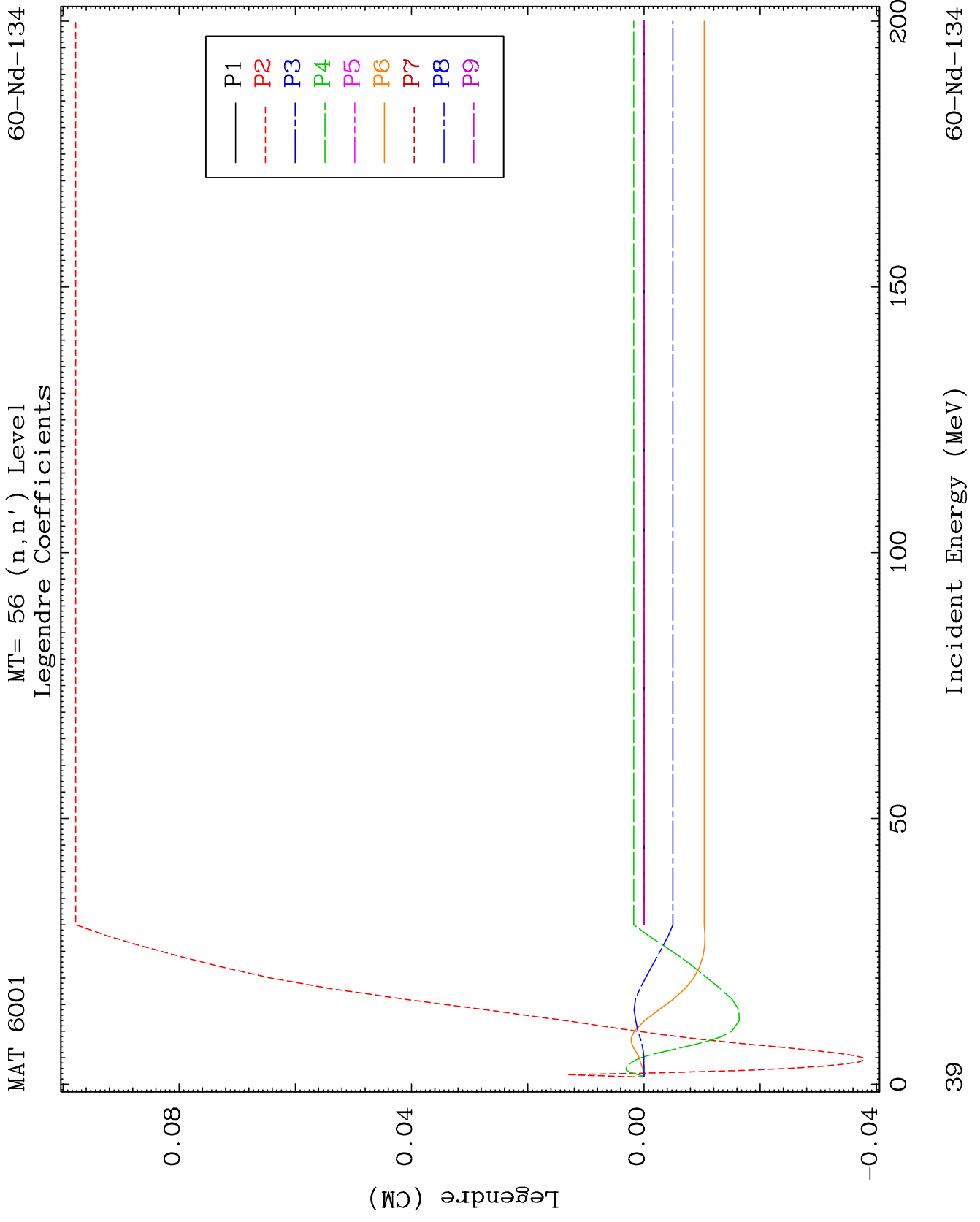
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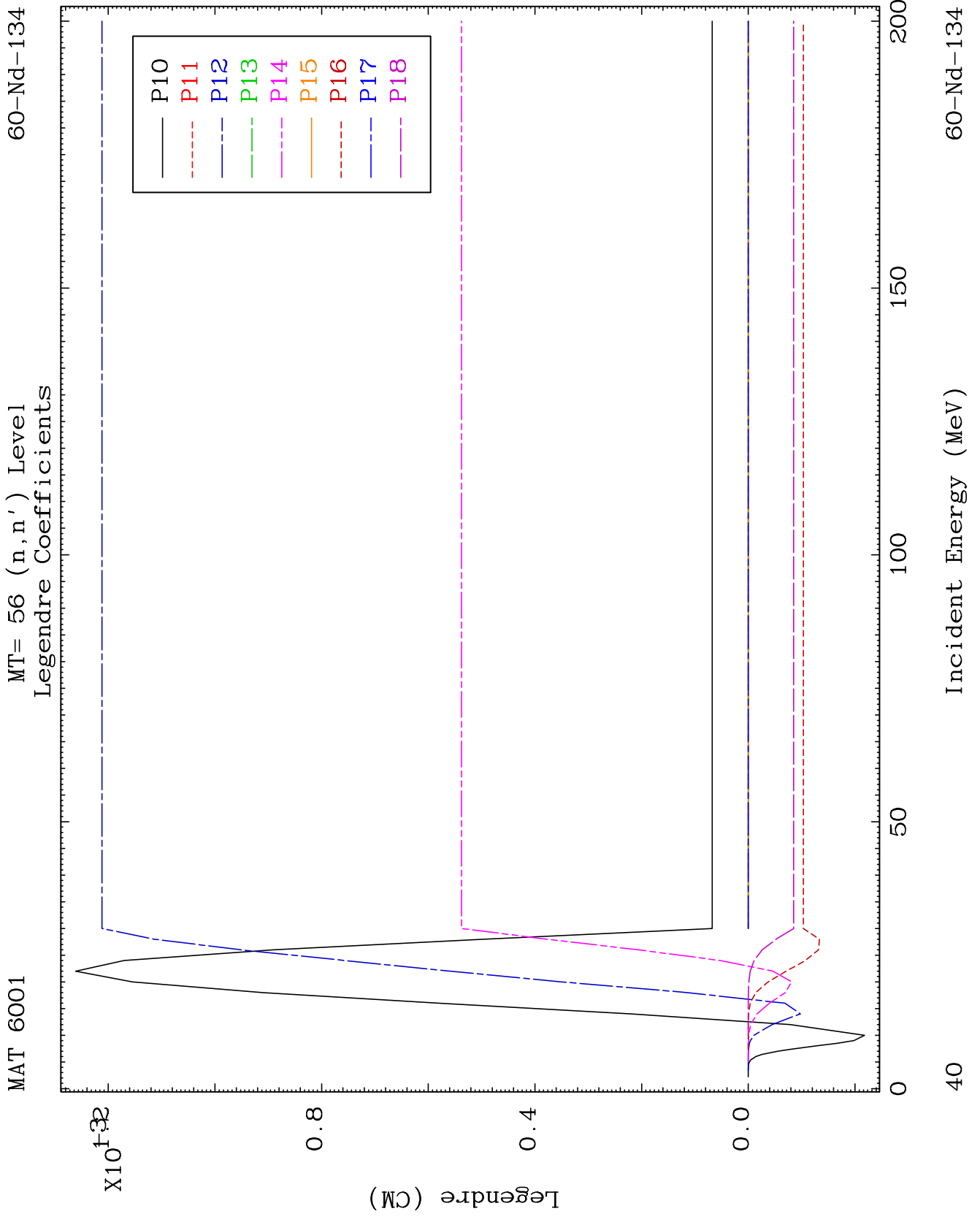
60-Nd-134

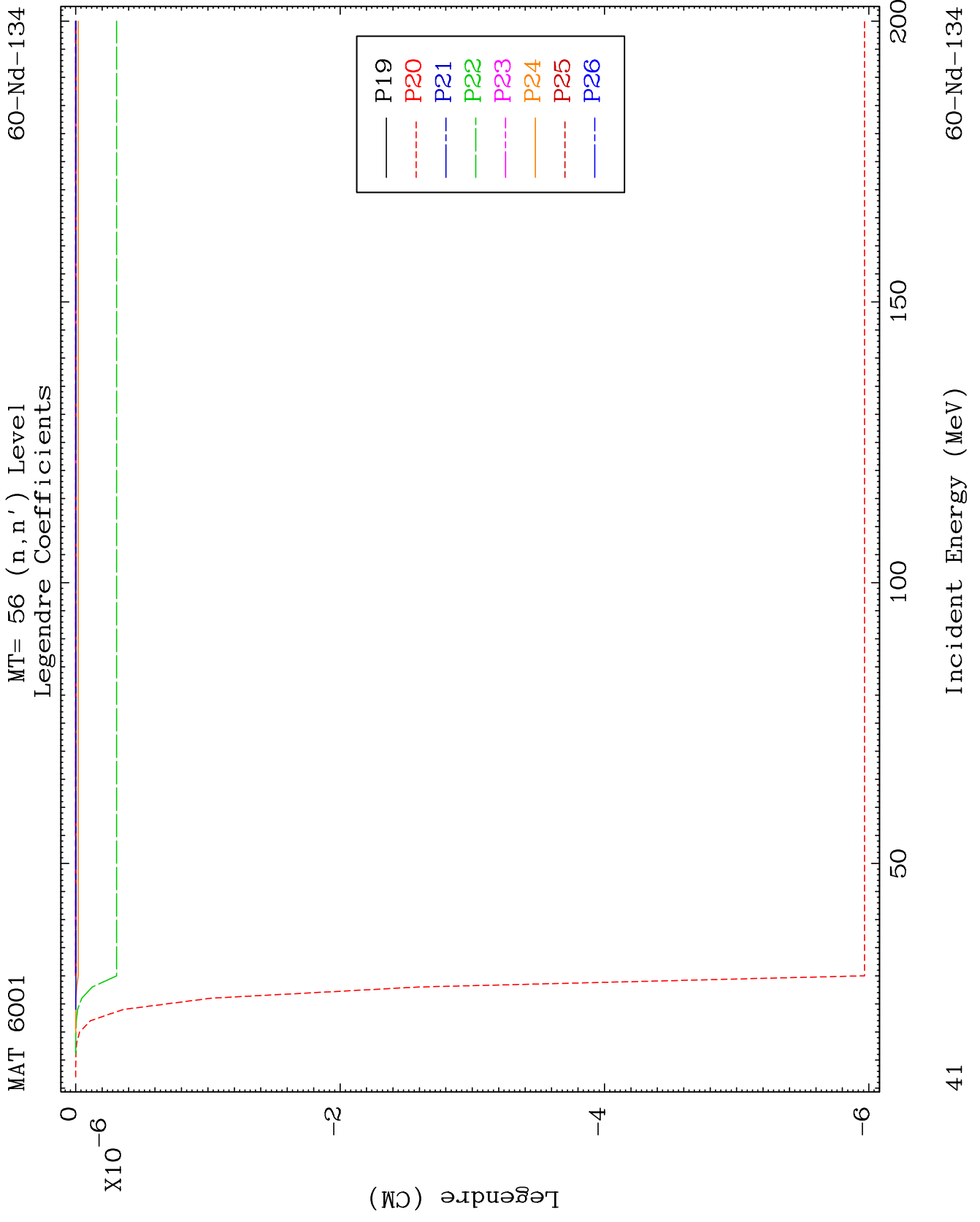
Incident Energy (MeV)

38



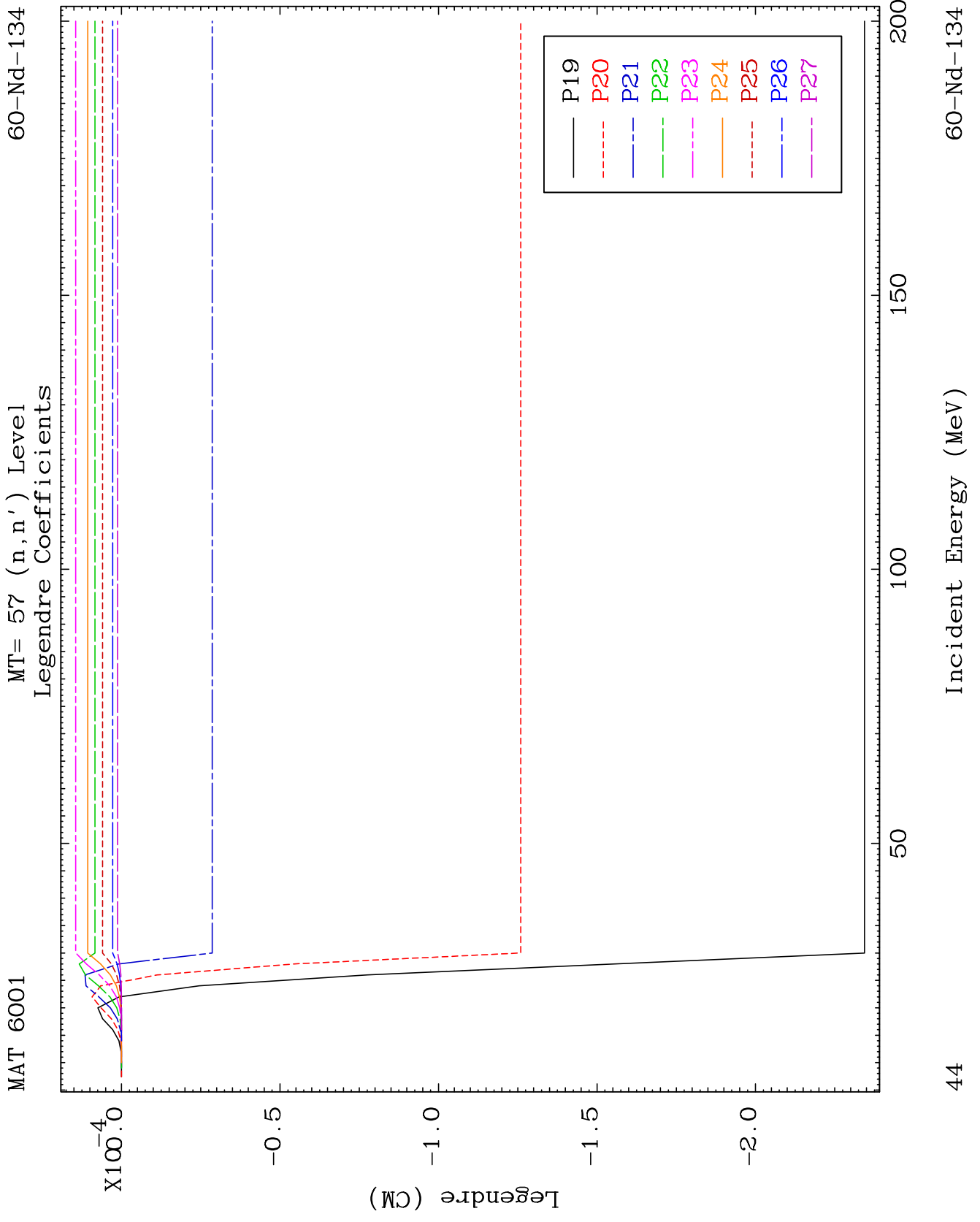


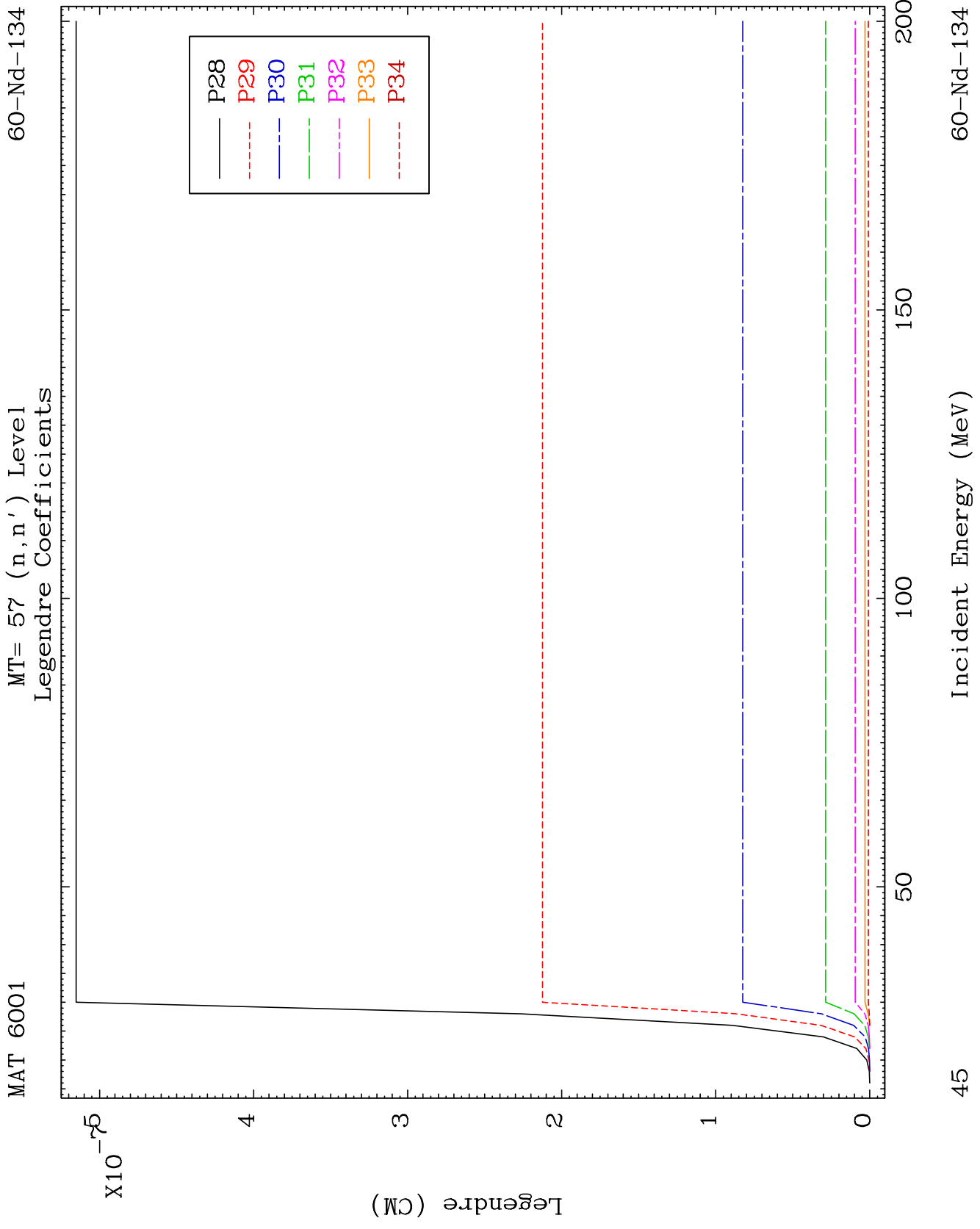










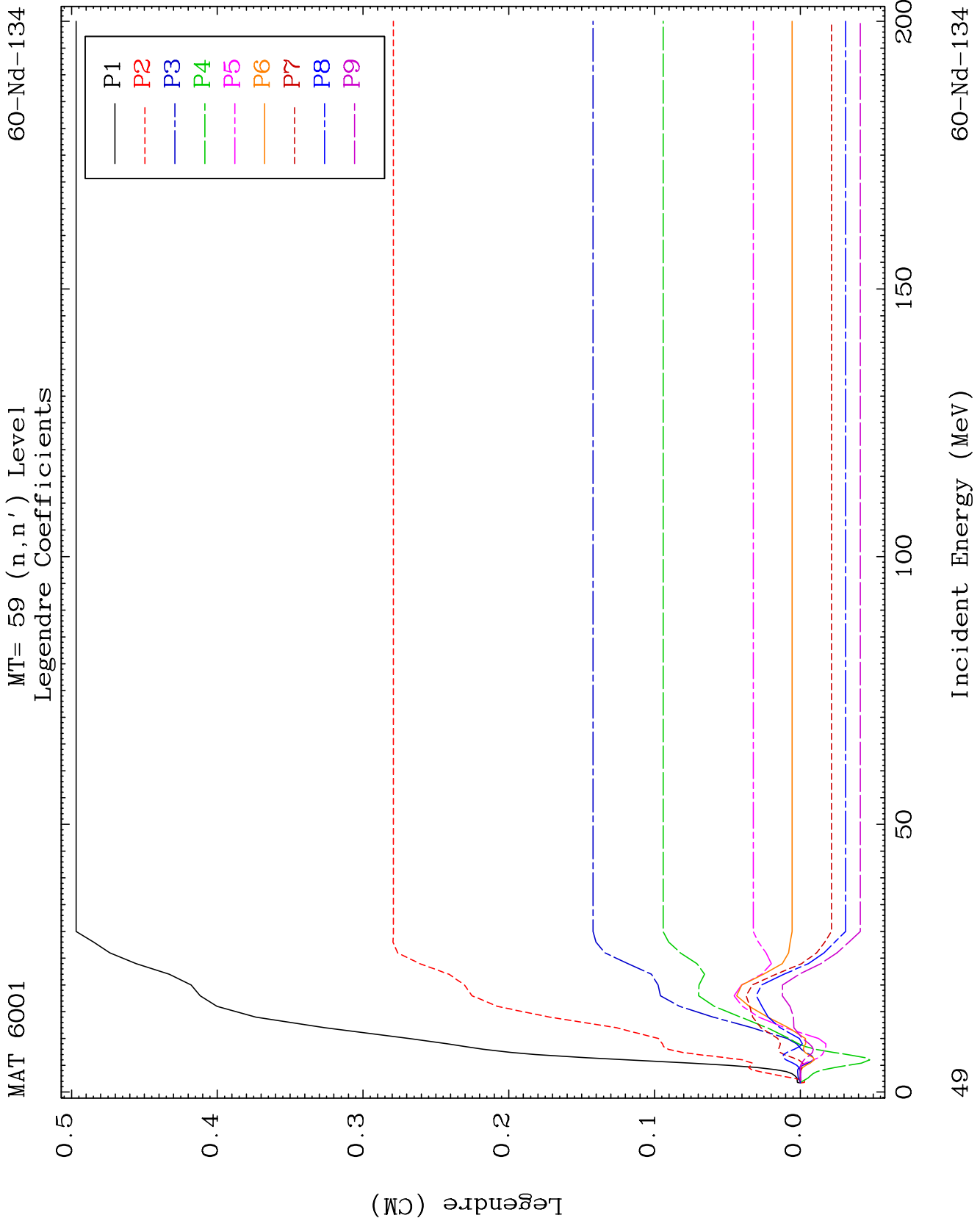


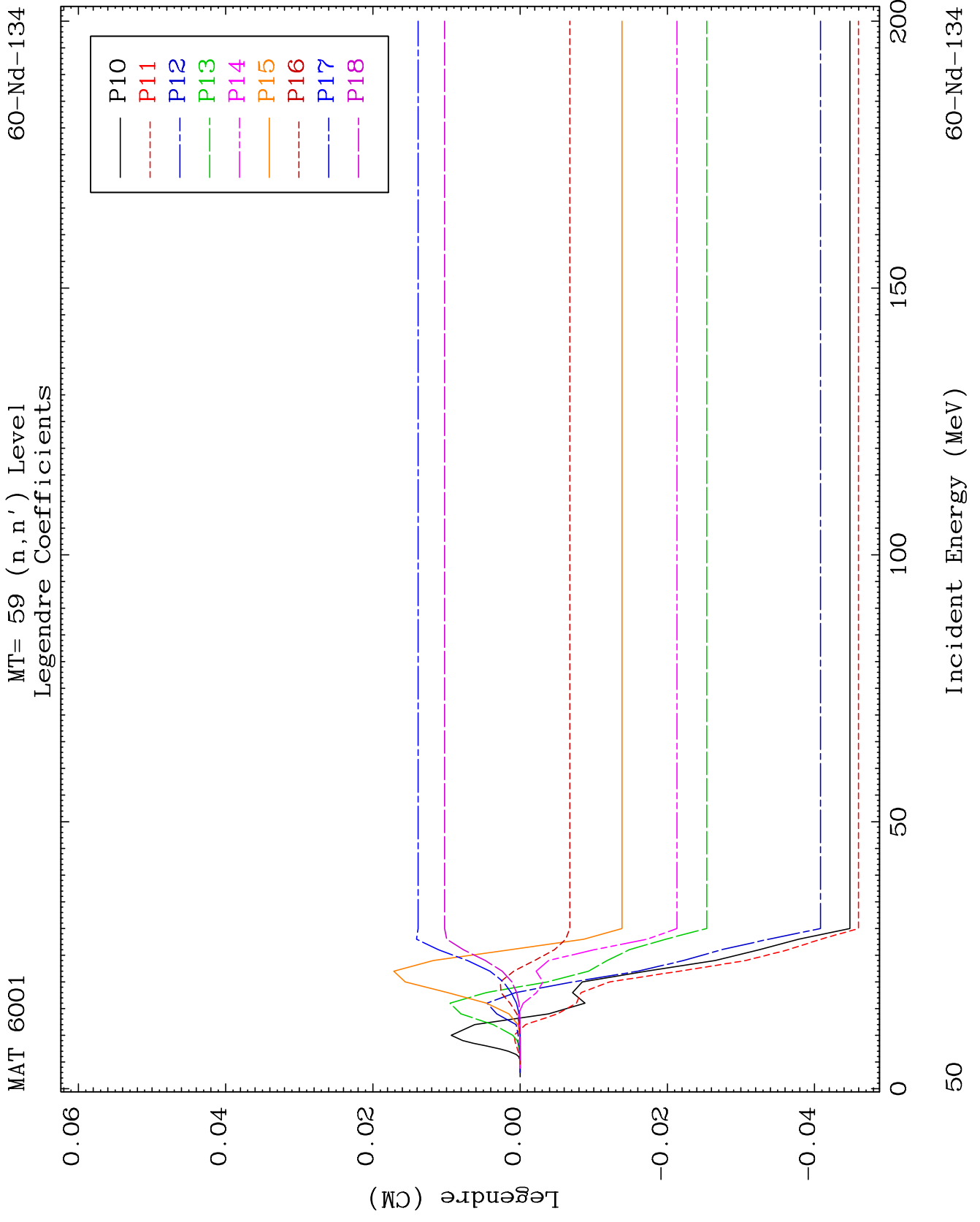




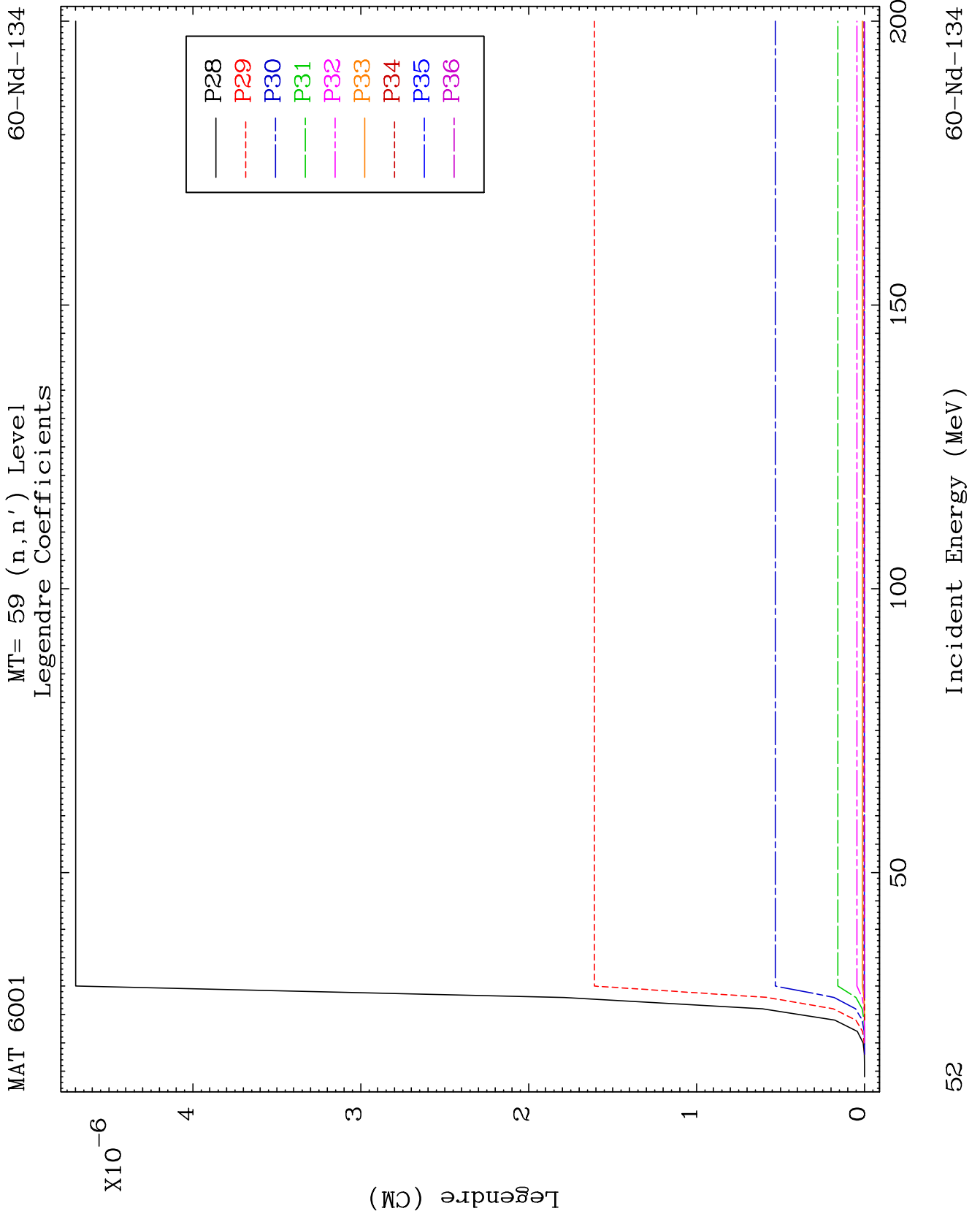


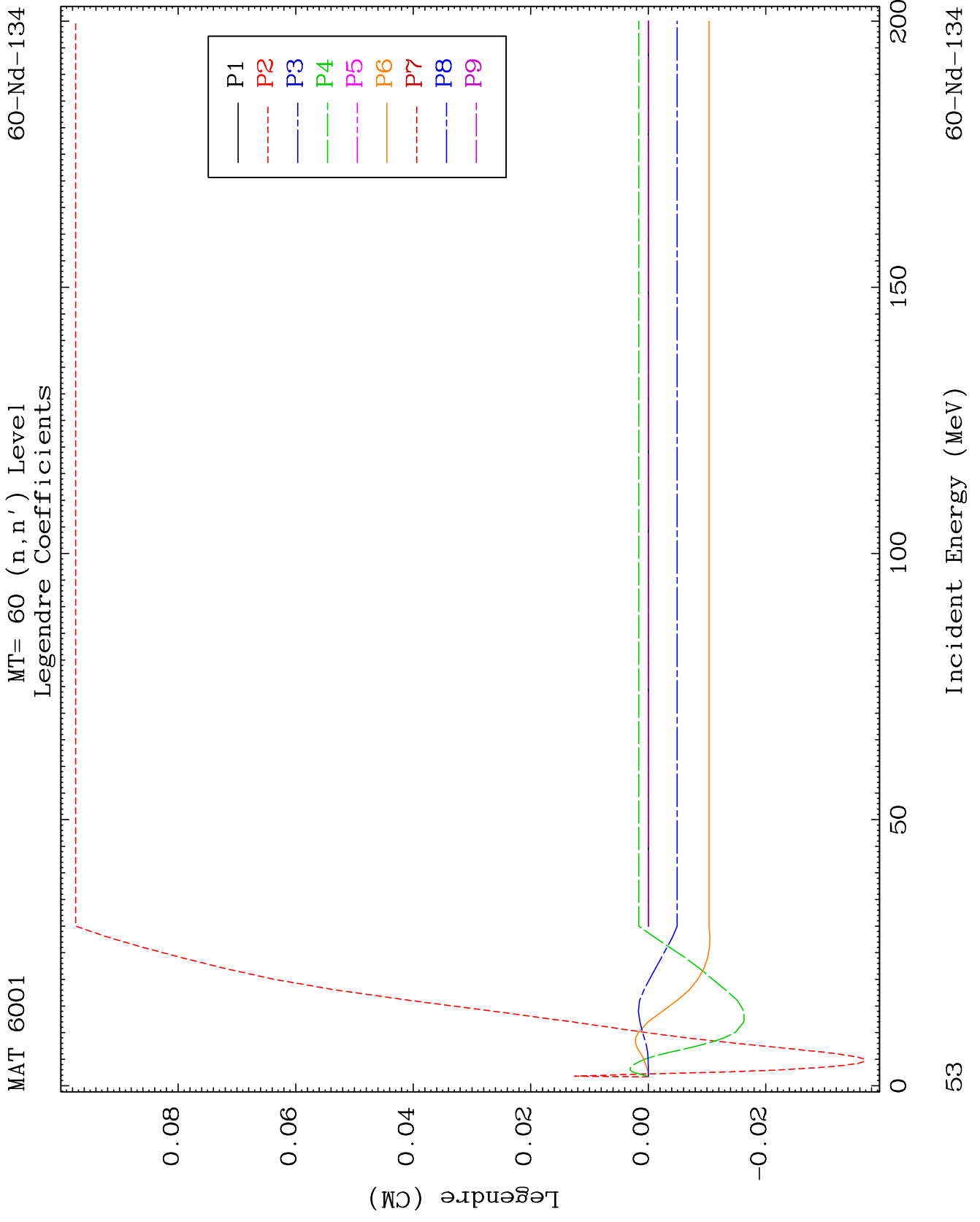


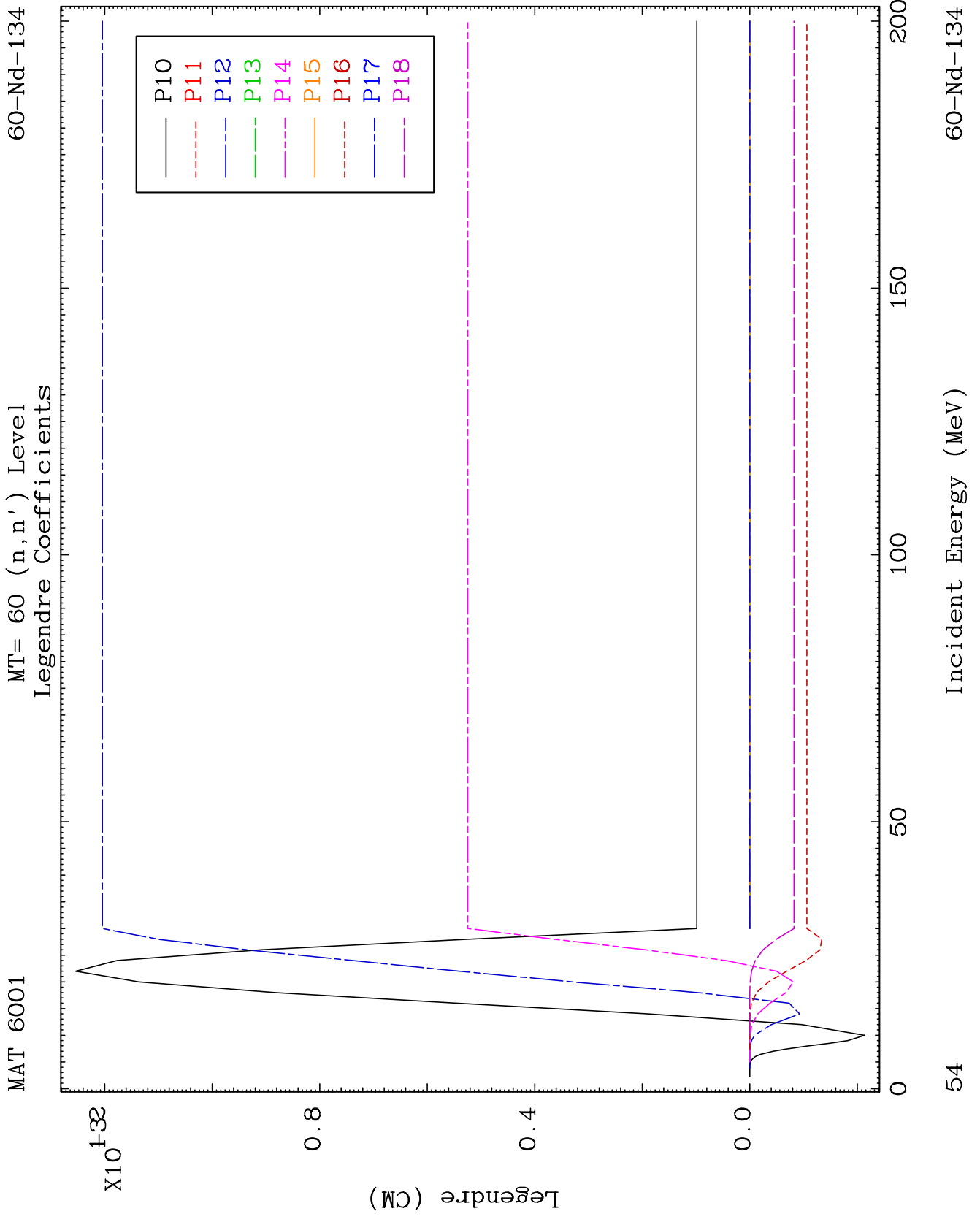


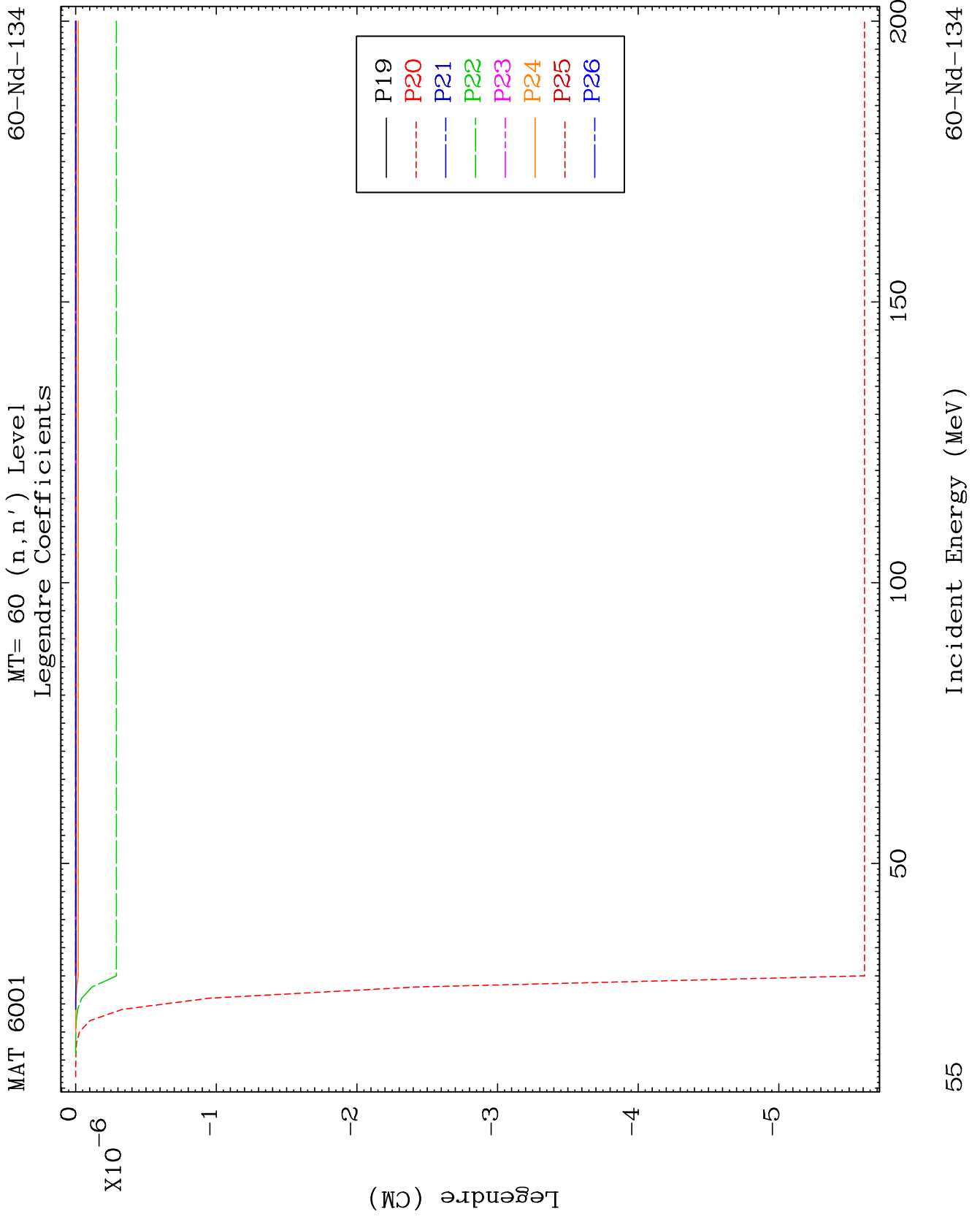




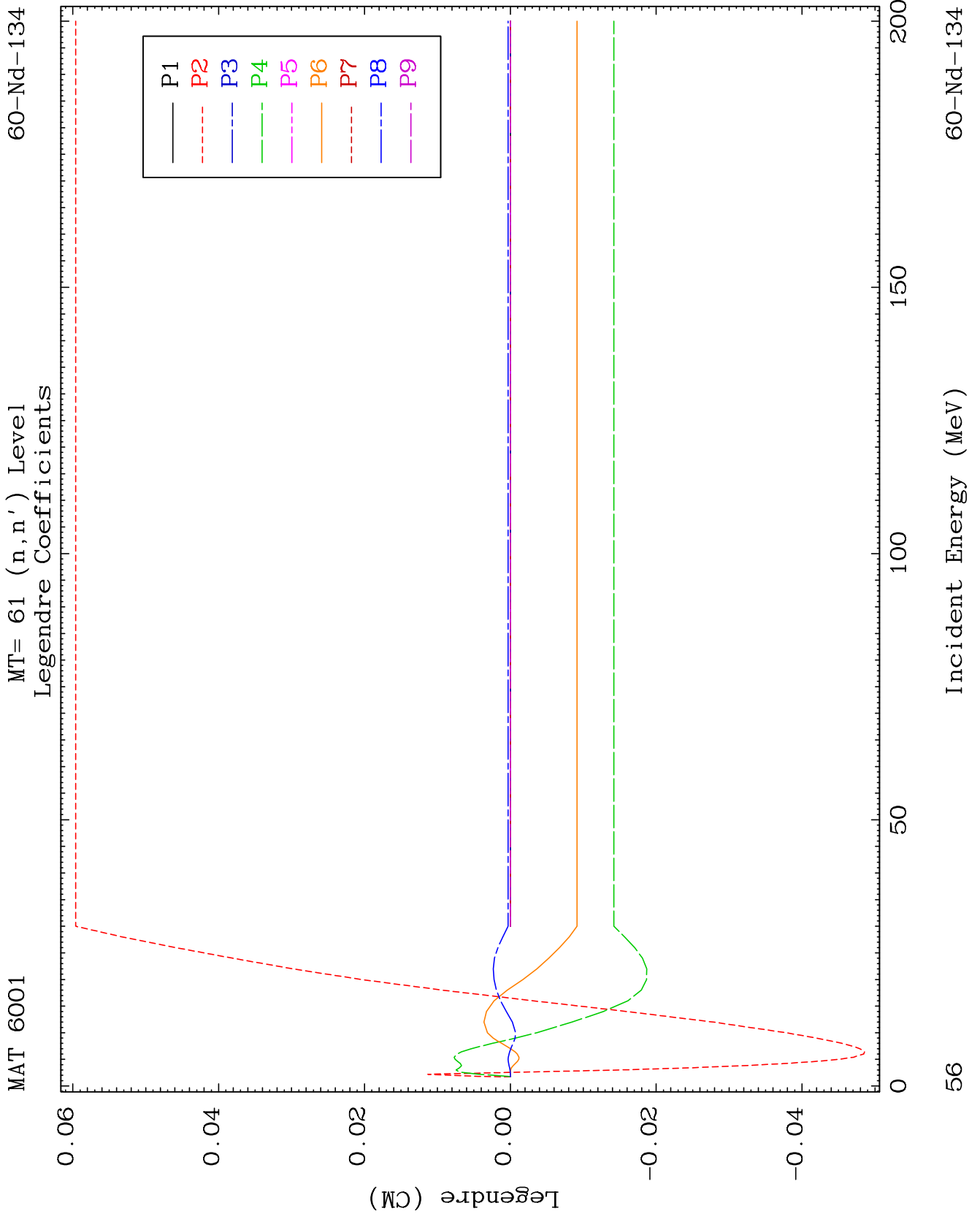








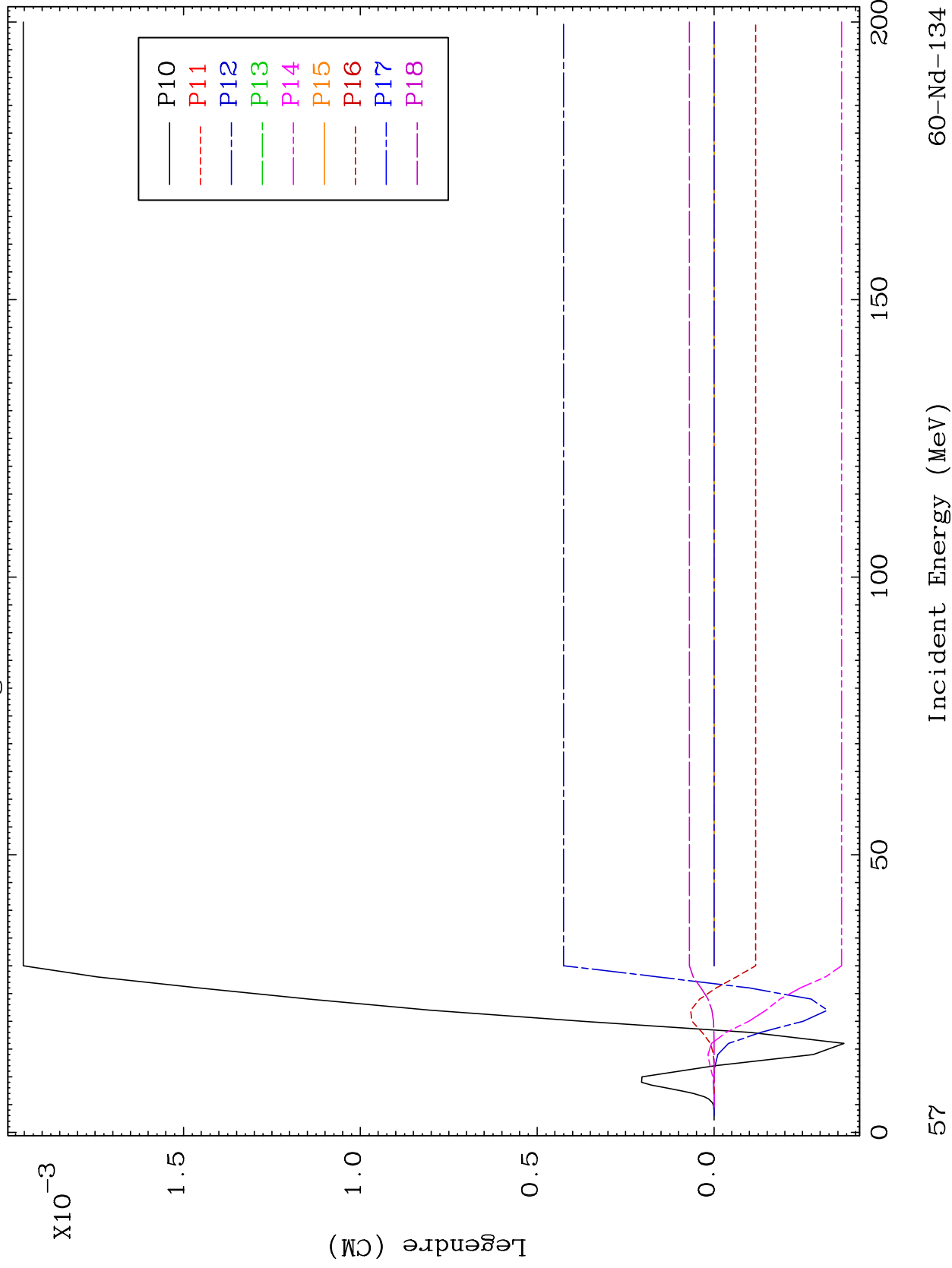




MAT 6001

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

60-Nd-134

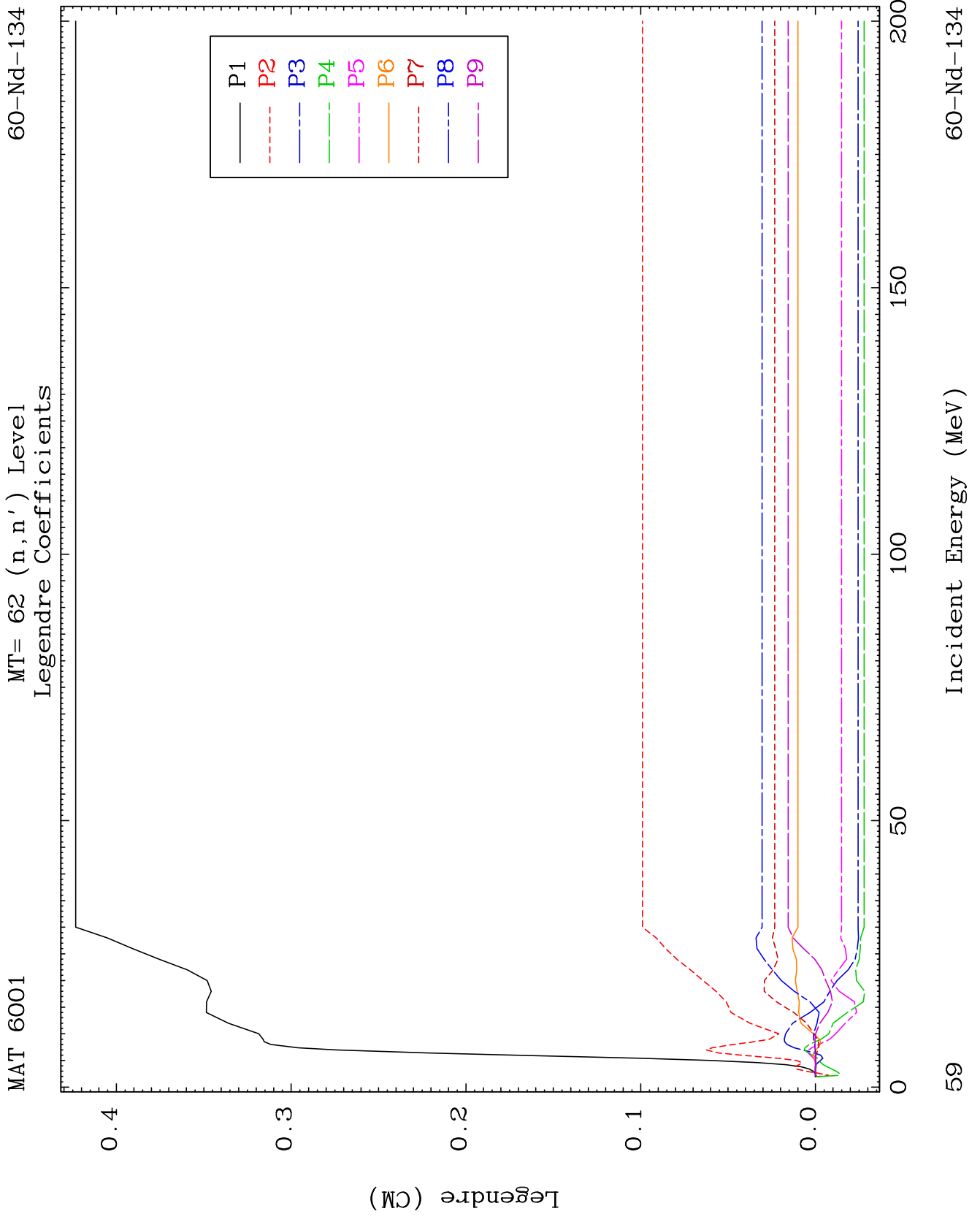


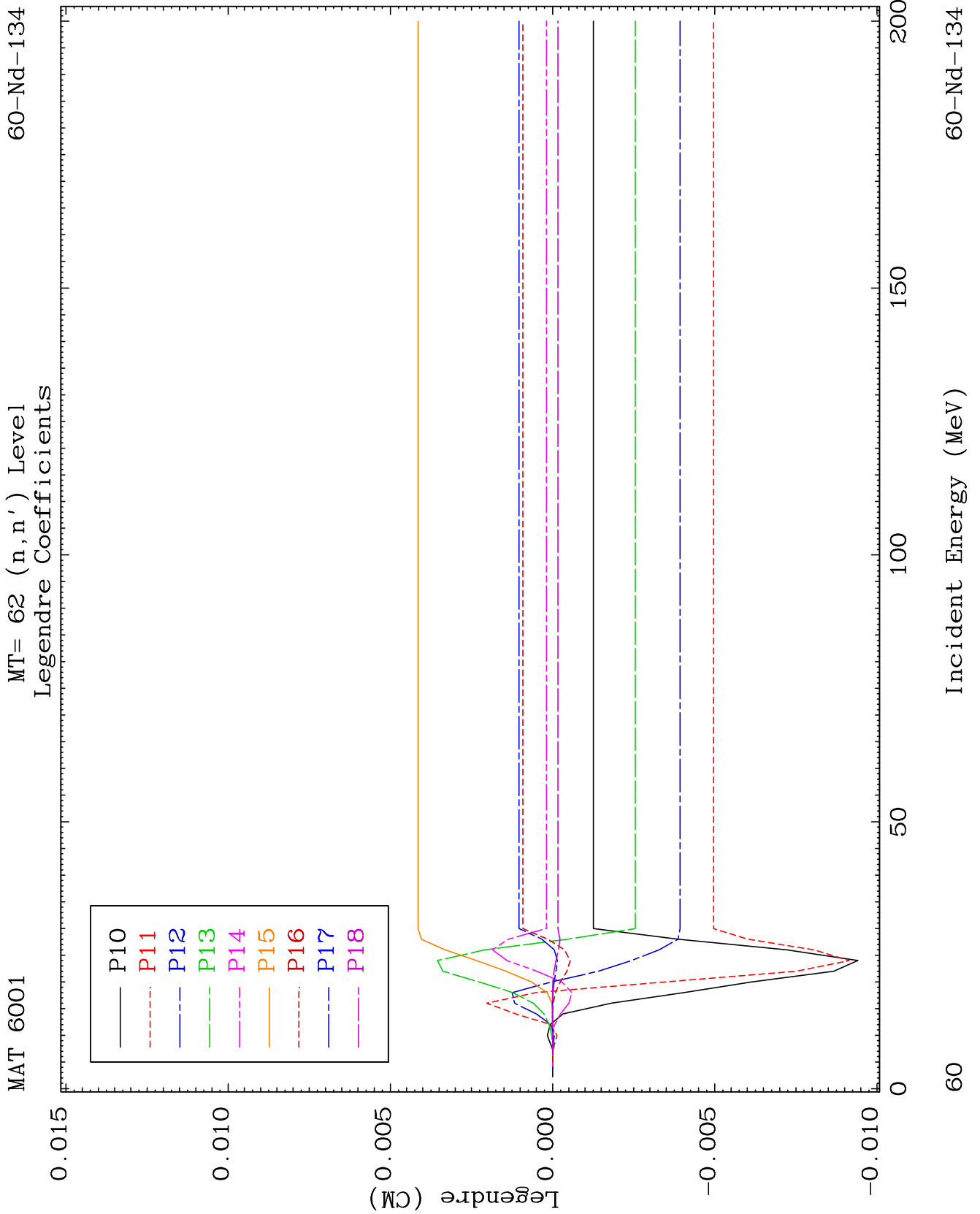
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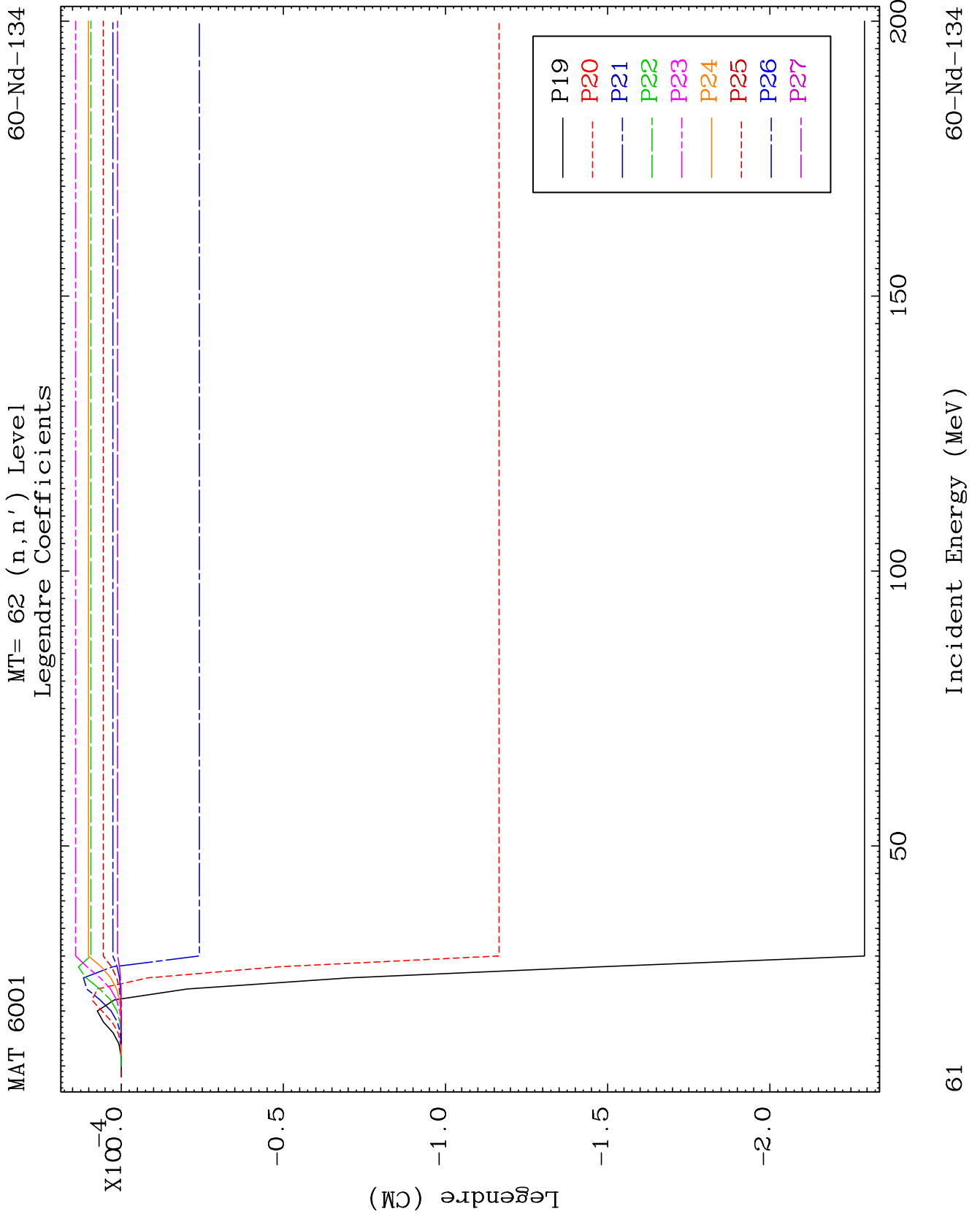
Incident Energy (MeV)

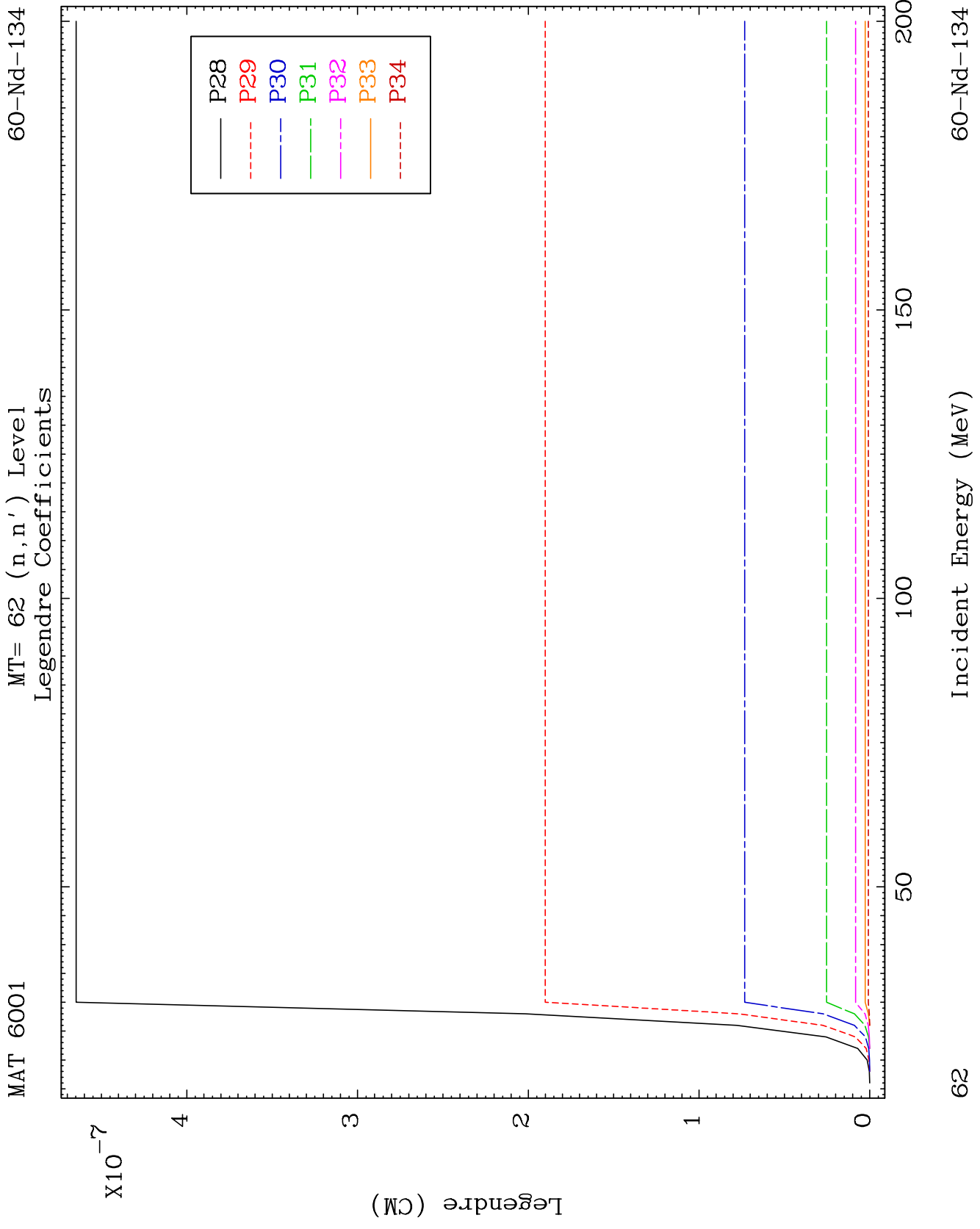
60-Nd-134











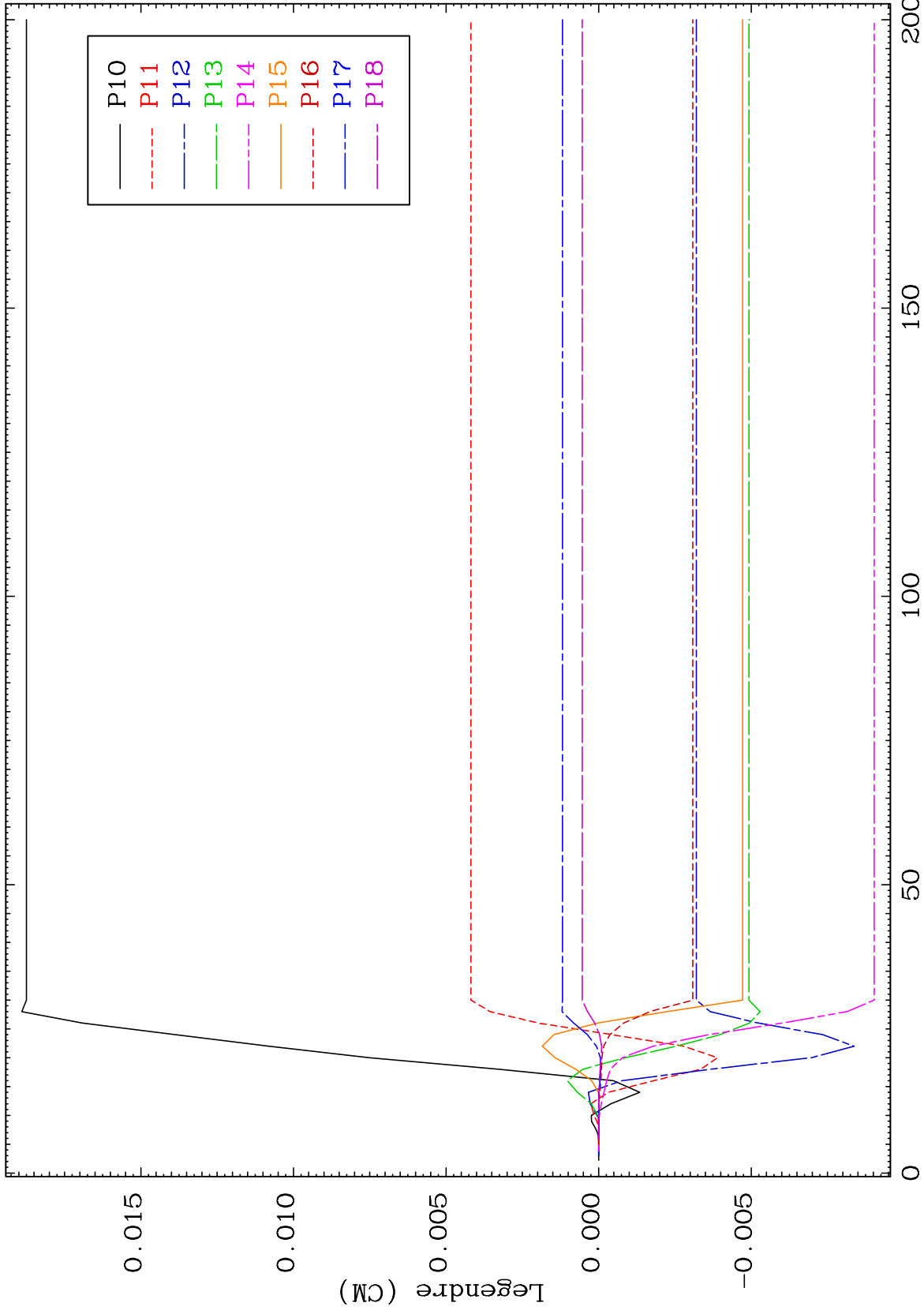




MAT 6001

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

60-Nd-134



64

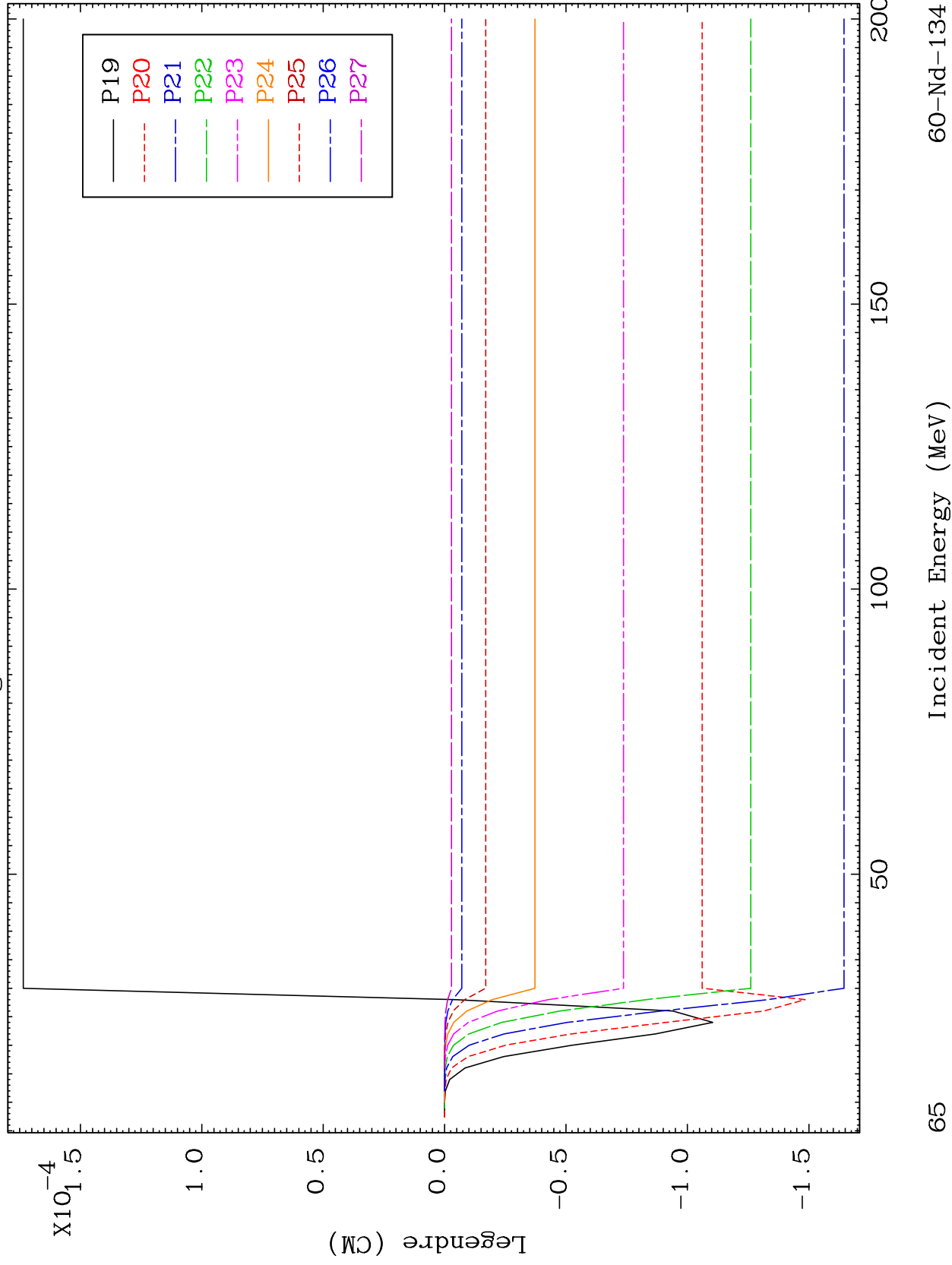
Incident Energy (MeV)

60-Nd-134

MAT 6001

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

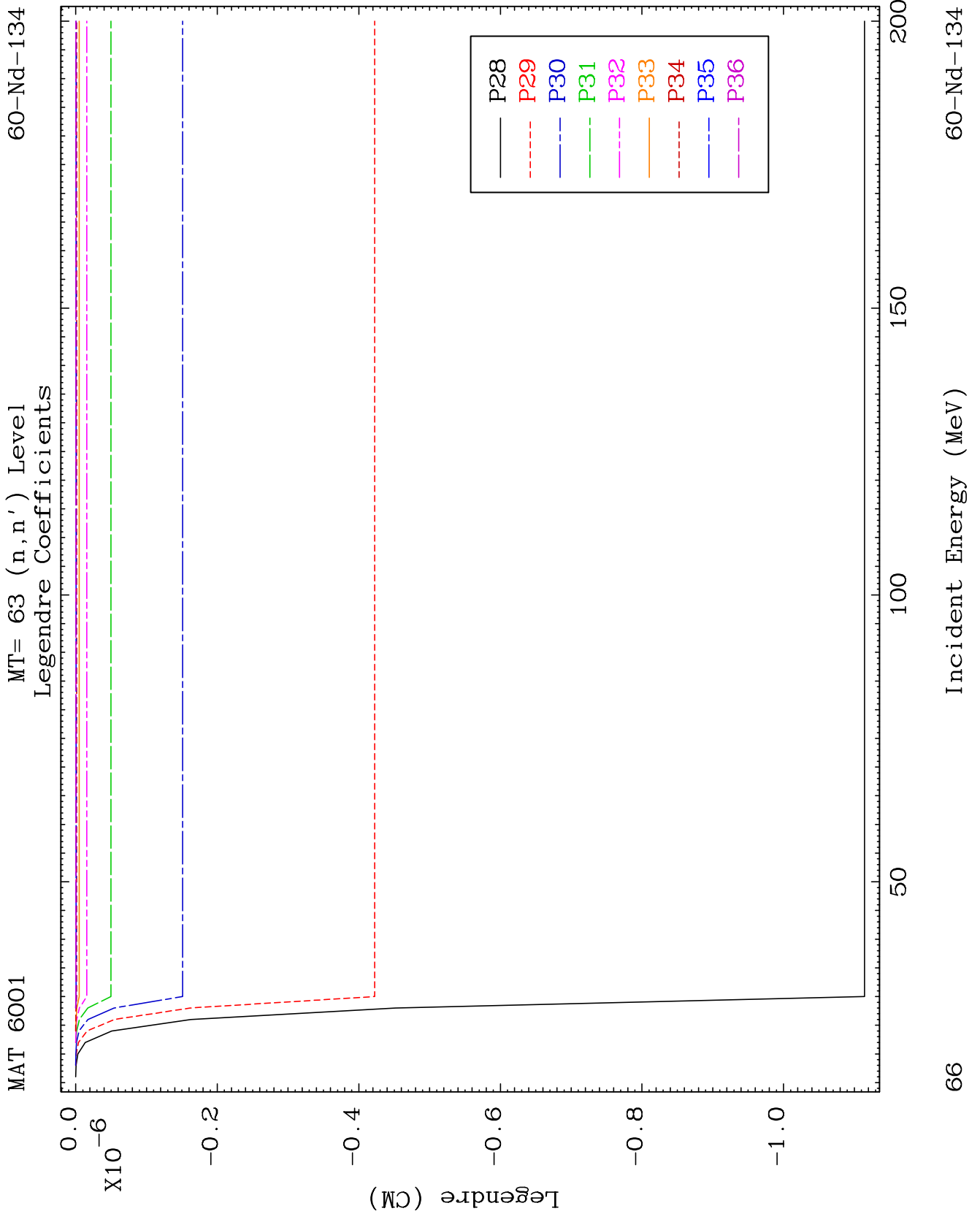
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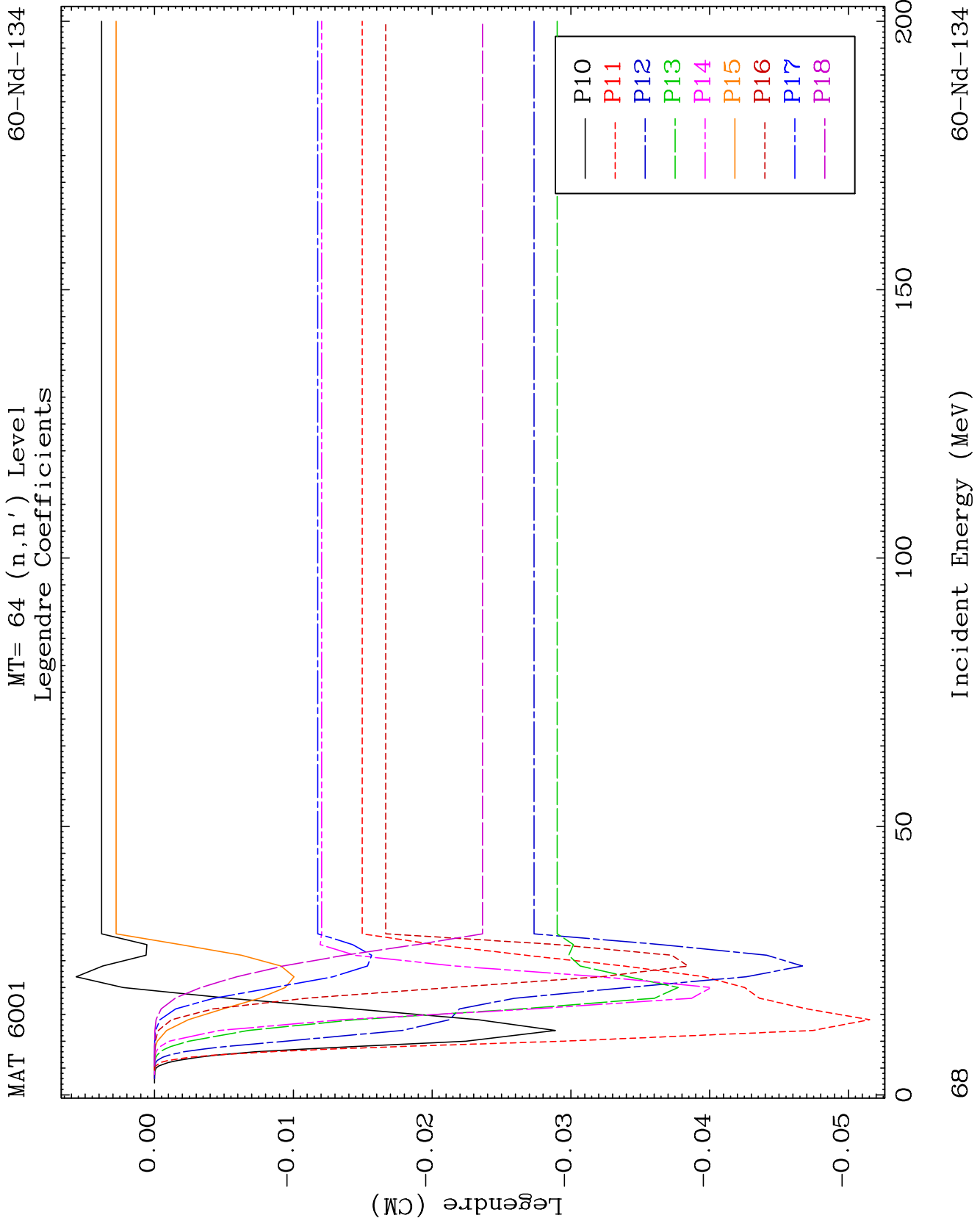
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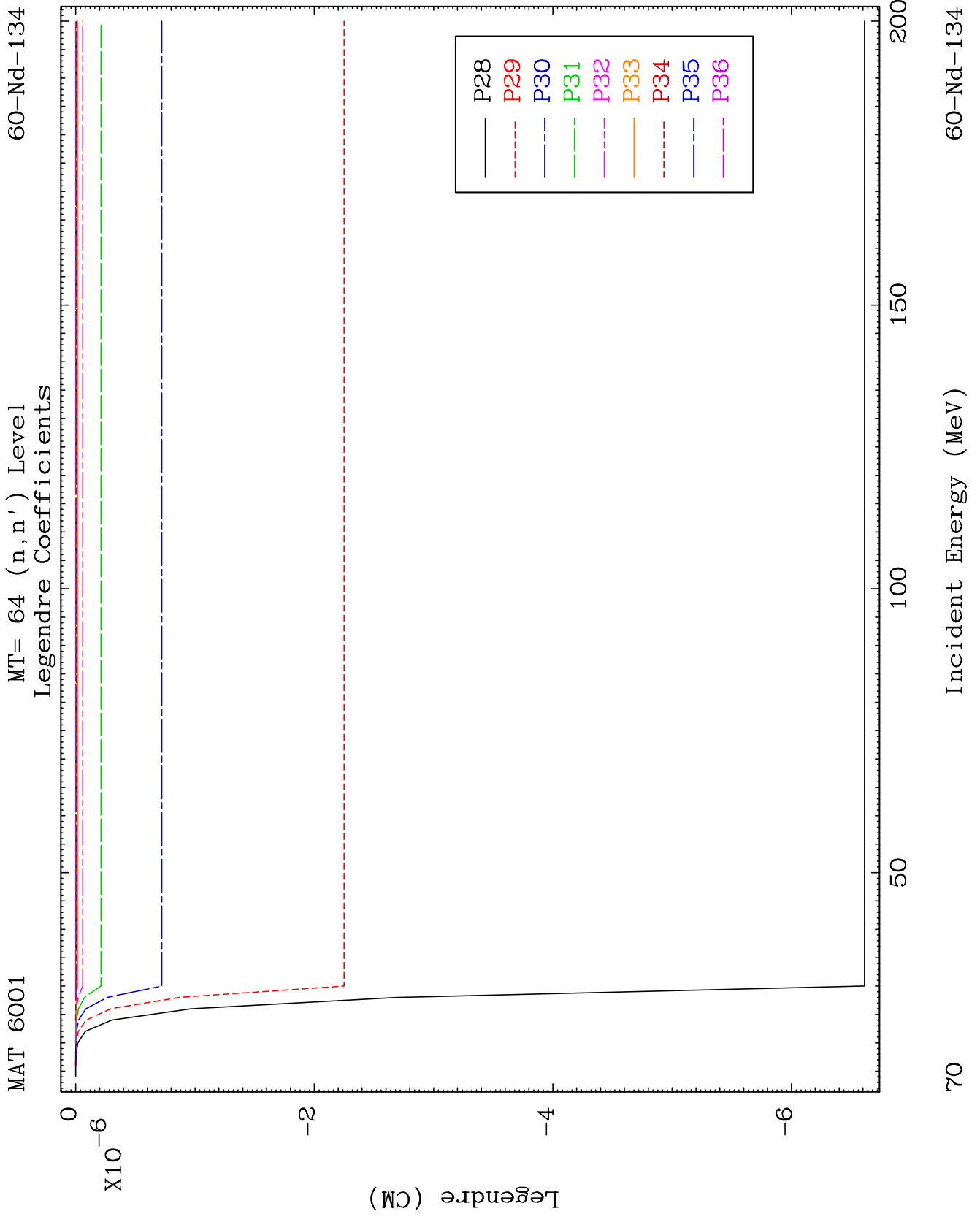
60-Nd-134







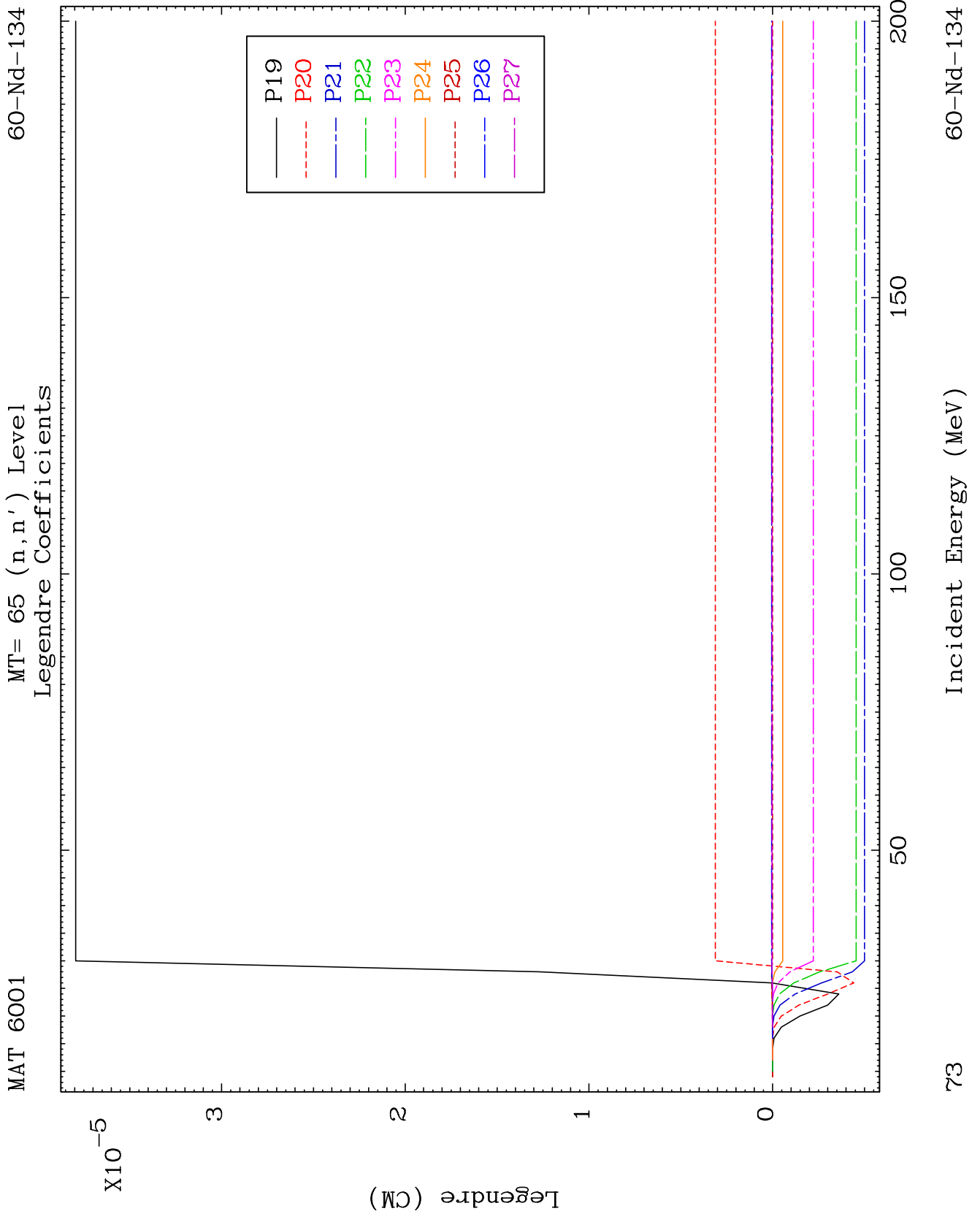


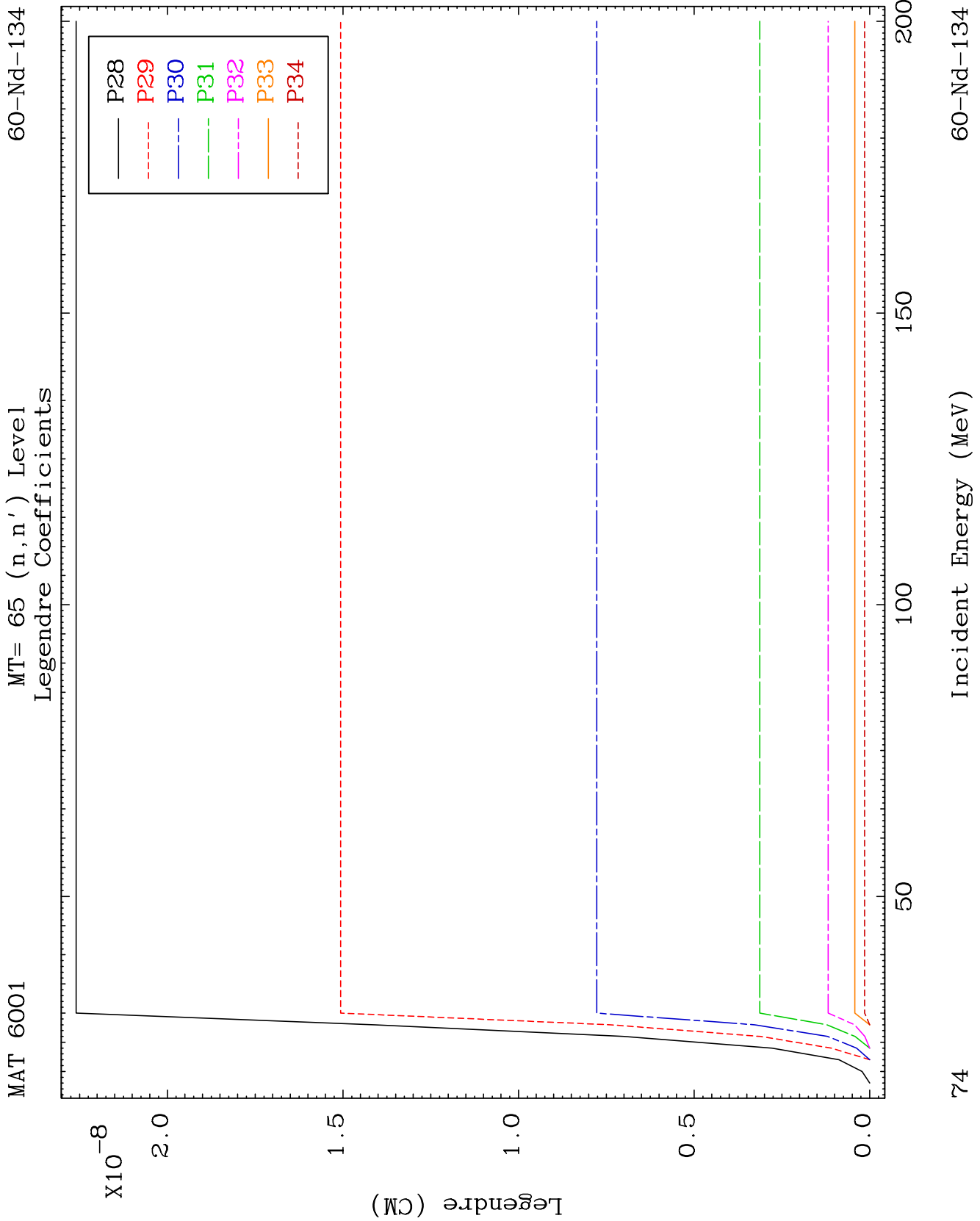








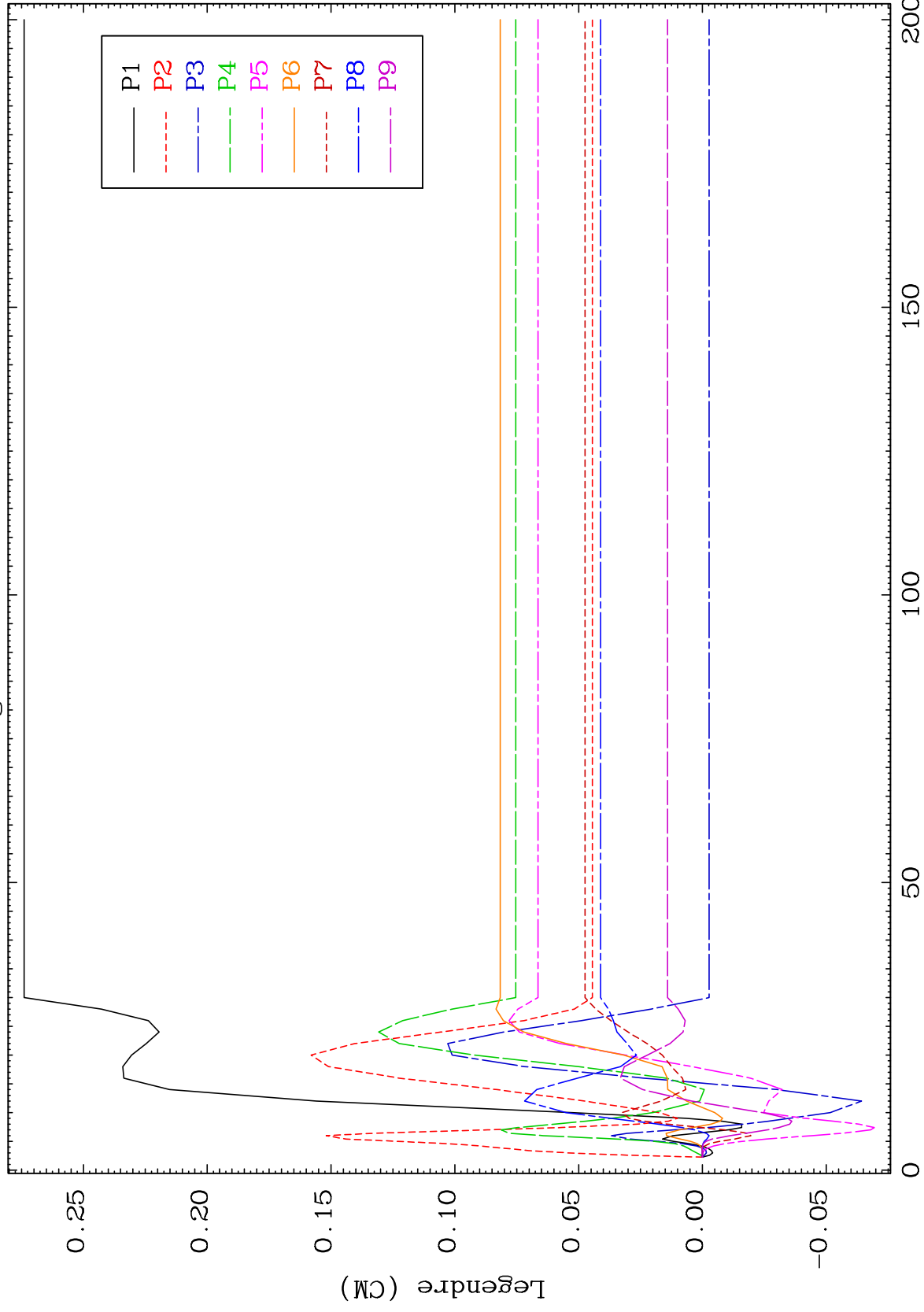




MAT 6001

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

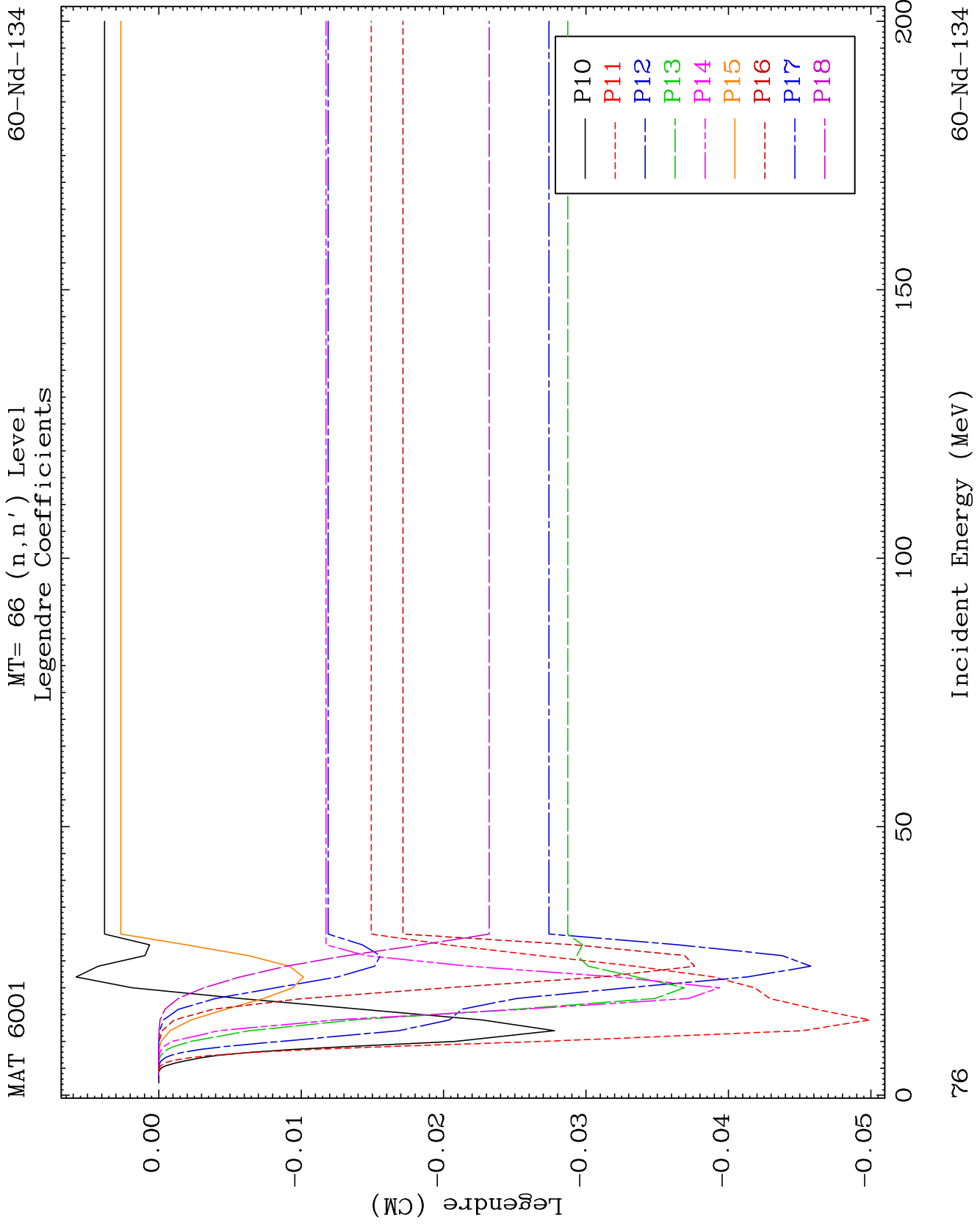
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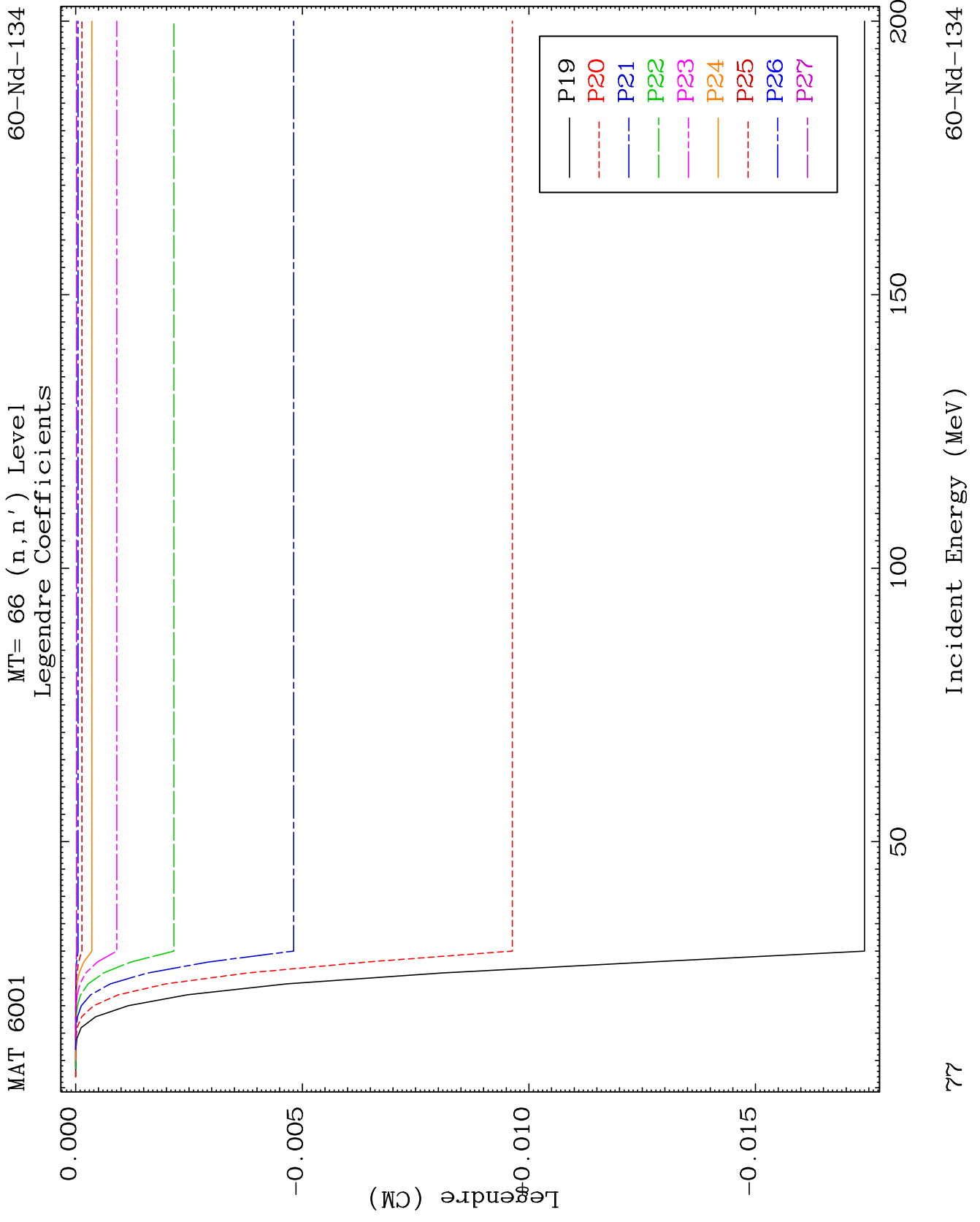


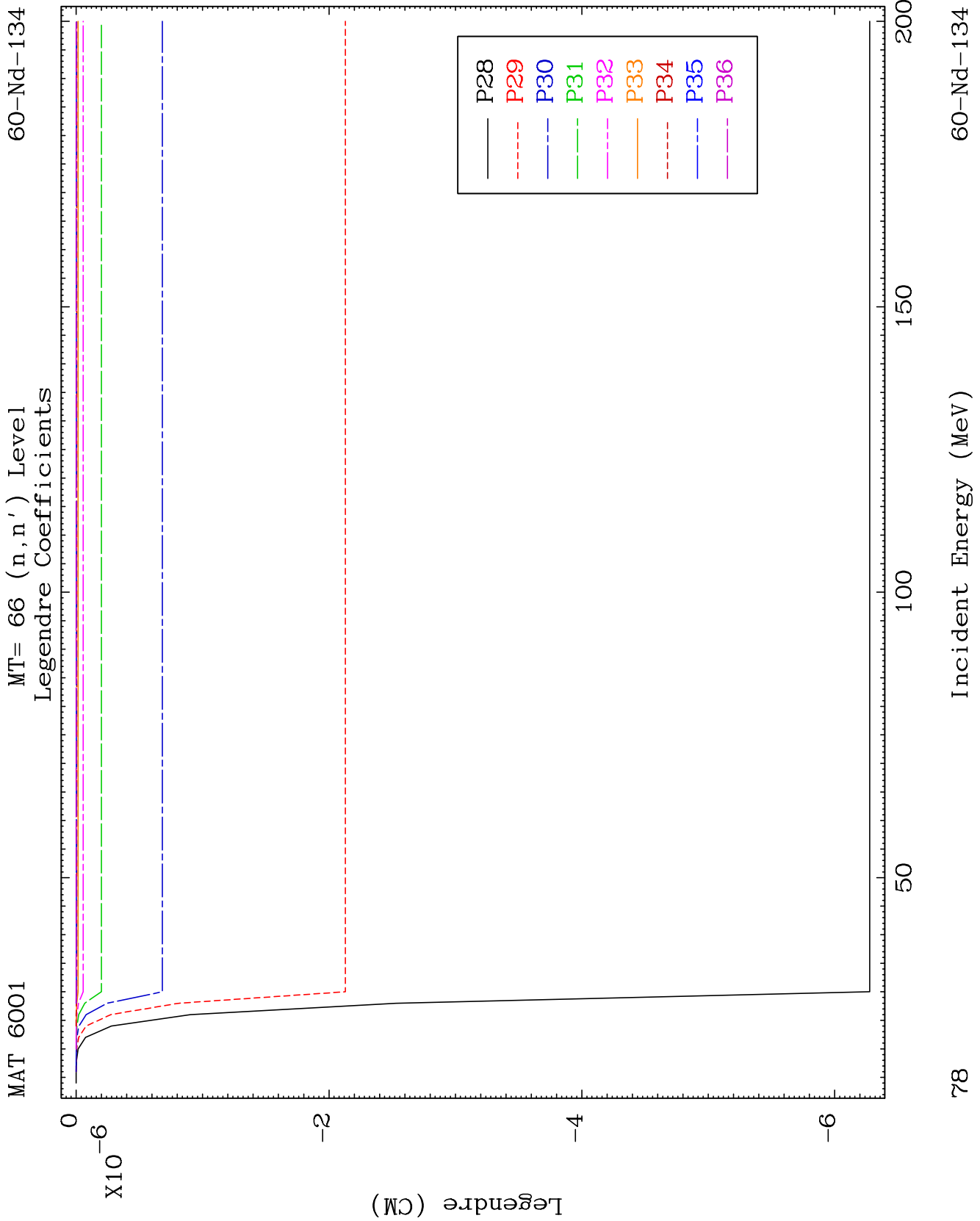
60-Nd-134

Incident Energy (MeV)

75





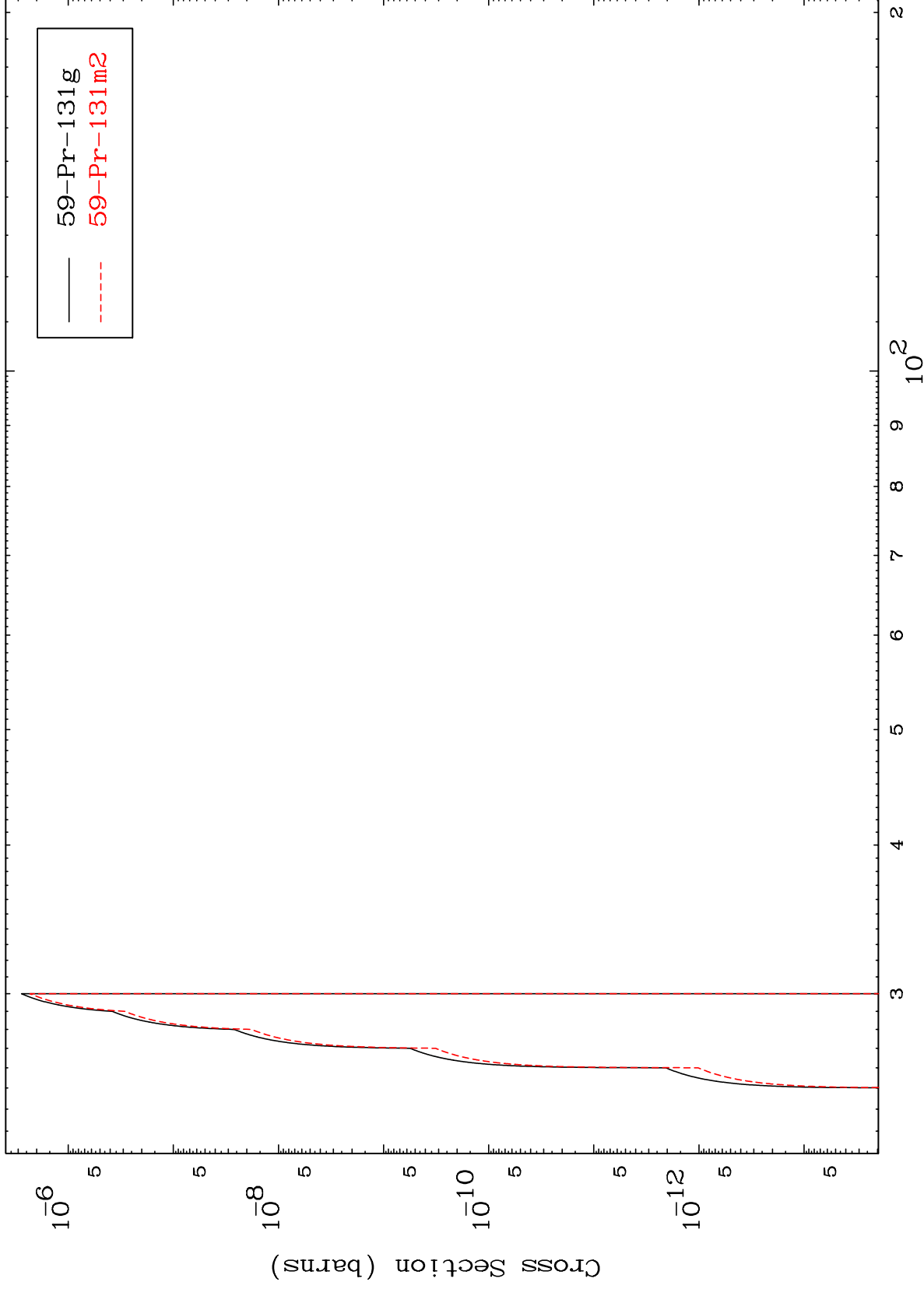


MAT 6001

(n,2n) d

60-Nd-134

Radionuclide Production Cross Section



79

Incident Energy (MeV)

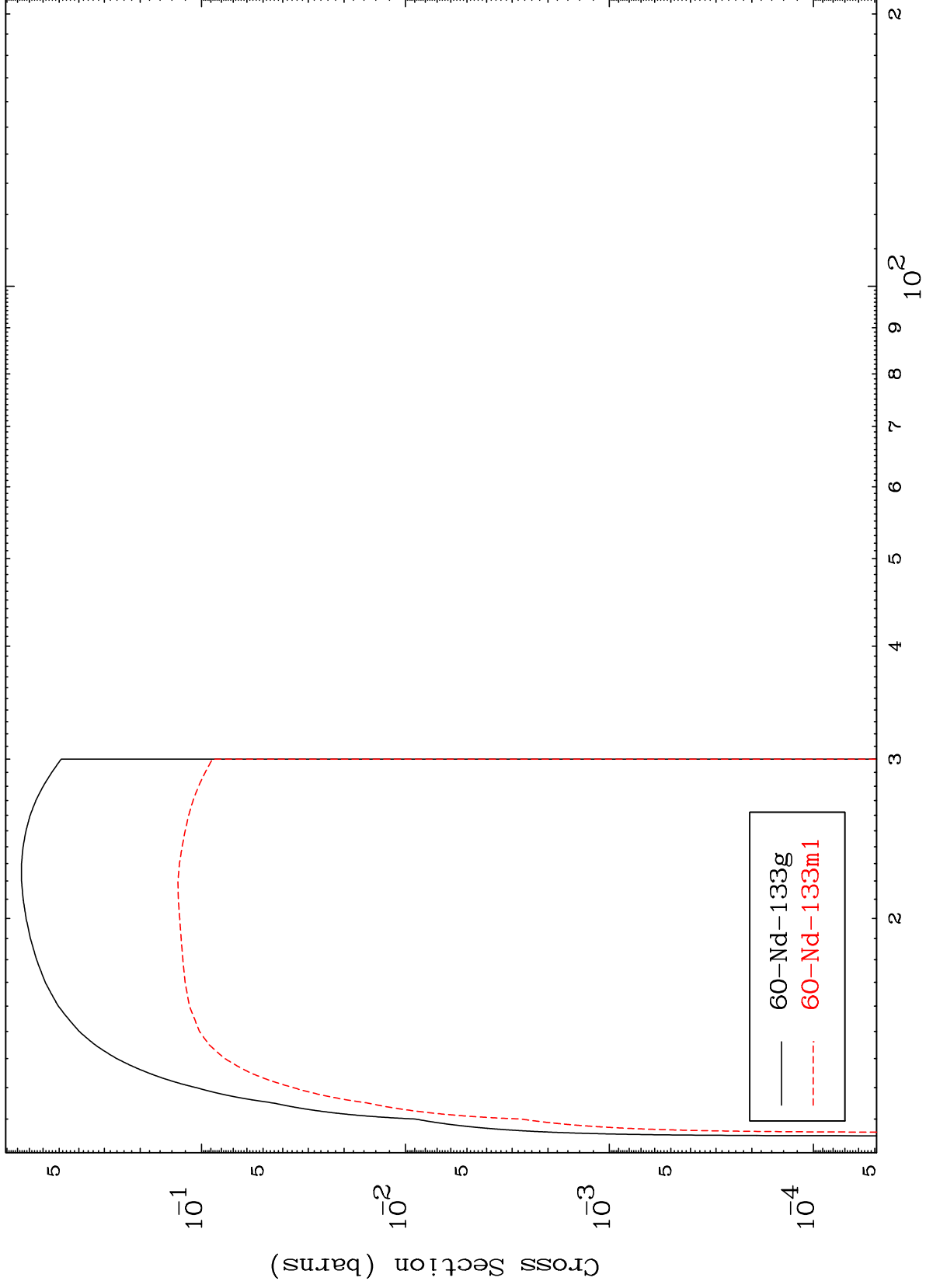
60-Nd-134



MAT 6001

60-Nd-134

(n,2n)  
Radionuclide Production Cross Section



80

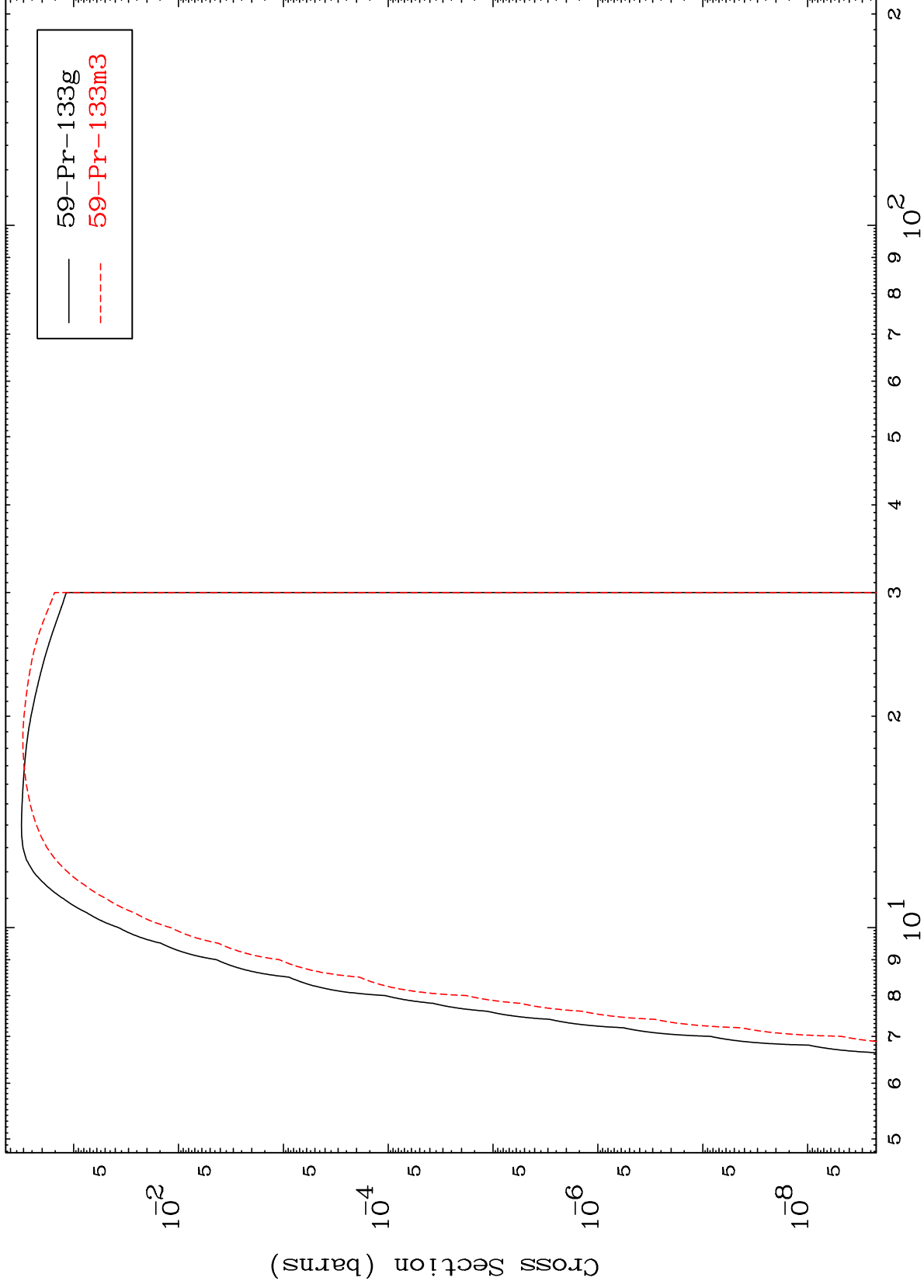
Incident Energy (MeV)

60-Nd-134

MAT 6001

60-Nd-134

(n,n') p  
Radionuclide Production Cross Section

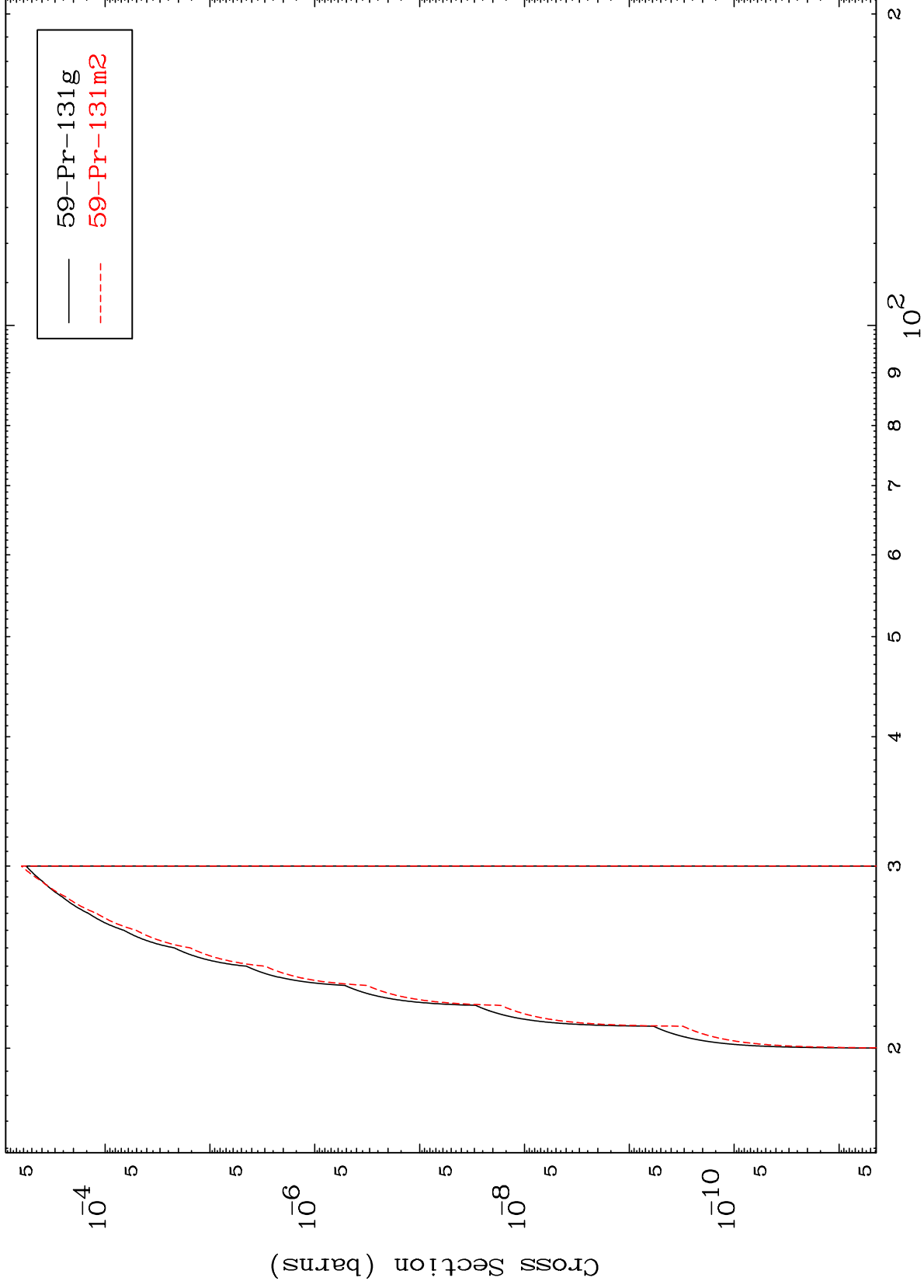


81

Incident Energy (MeV)

60-Nd-134

Radionuclide Production Cross Section

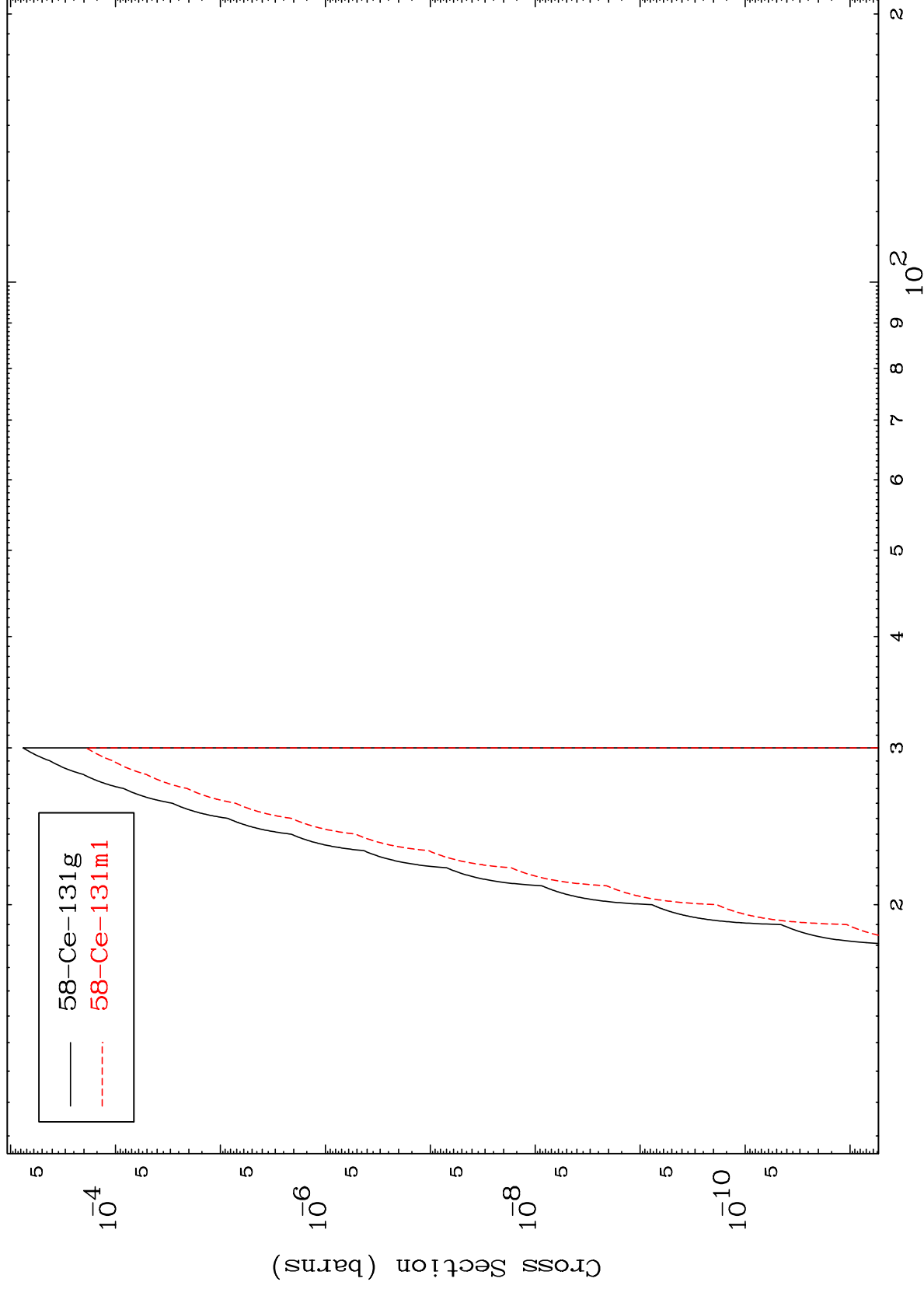


MAT 6001

(n,n') He-3

60-Nd-134

Radionuclide Production Cross Section



83

Incident Energy (MeV)

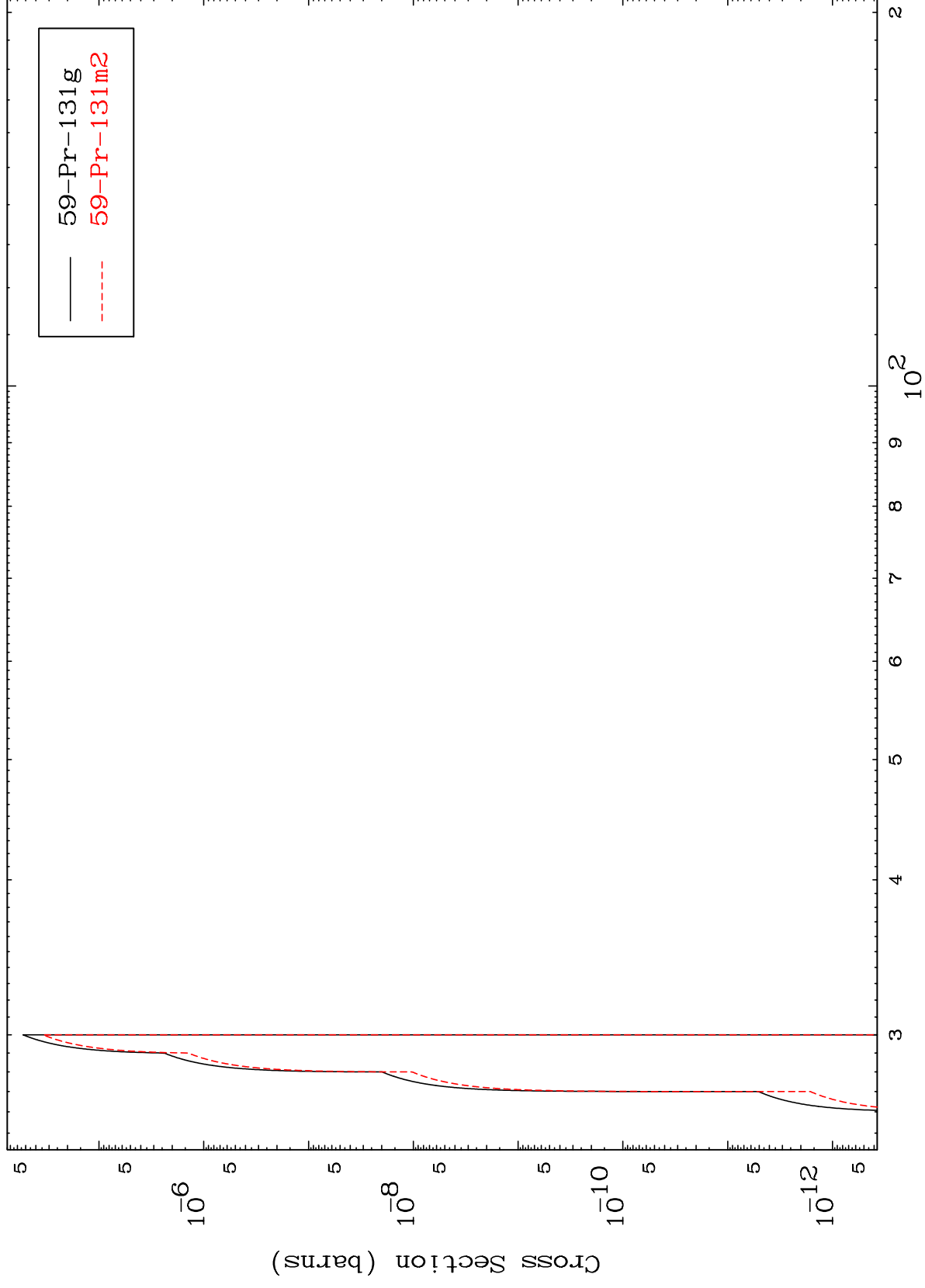
60-Nd-134

MAT 6001

(n,3n) p

60-Nd-134

Radionuclide Production Cross Section



84

Incident Energy (MeV)

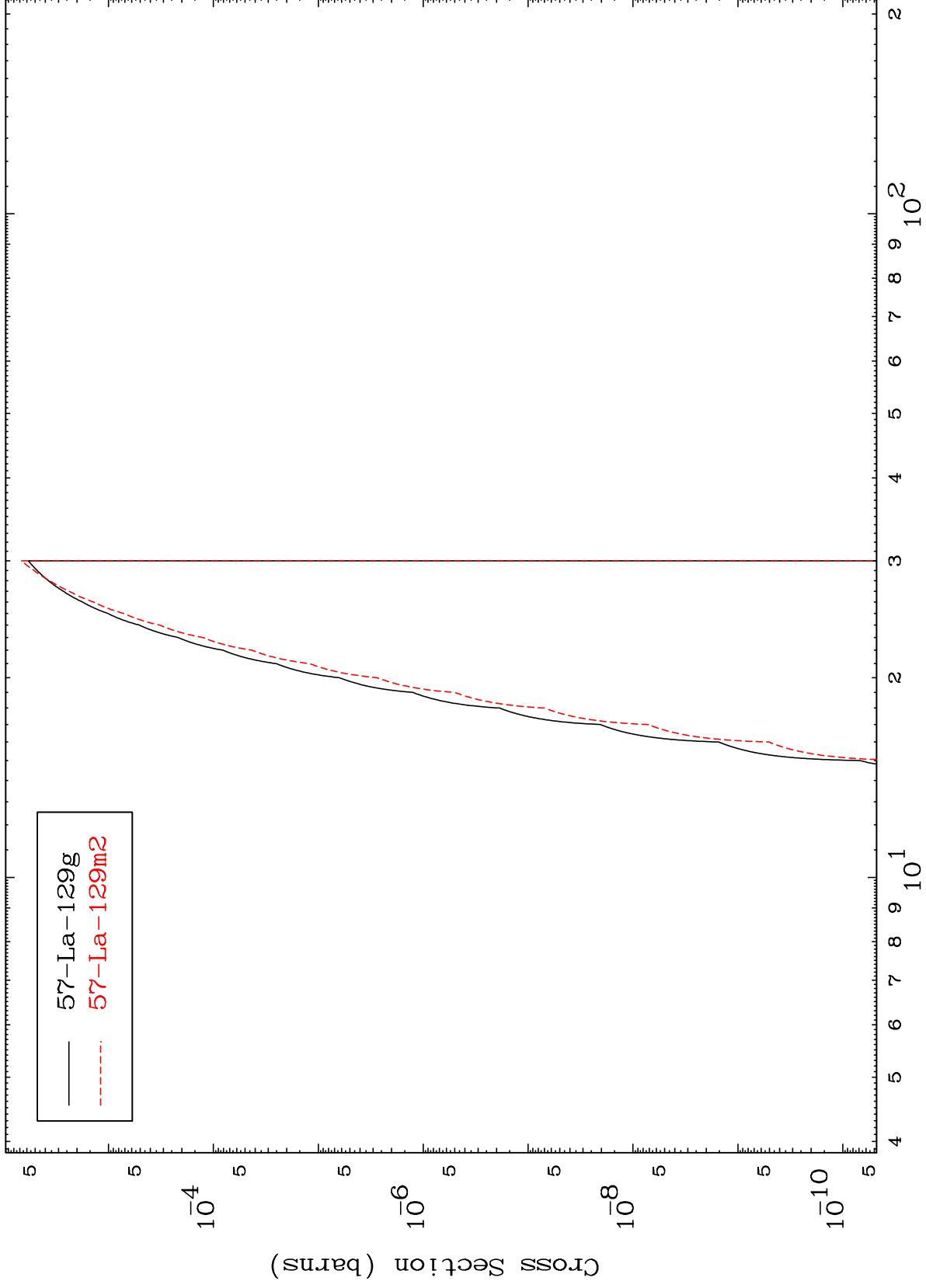
60-Nd-134

MAT 6001

(n,n') p  $\alpha$

60-Nd-134

Radionuclide Production Cross Section



— 57-La-129g  
- - - 57-La-129m2

85

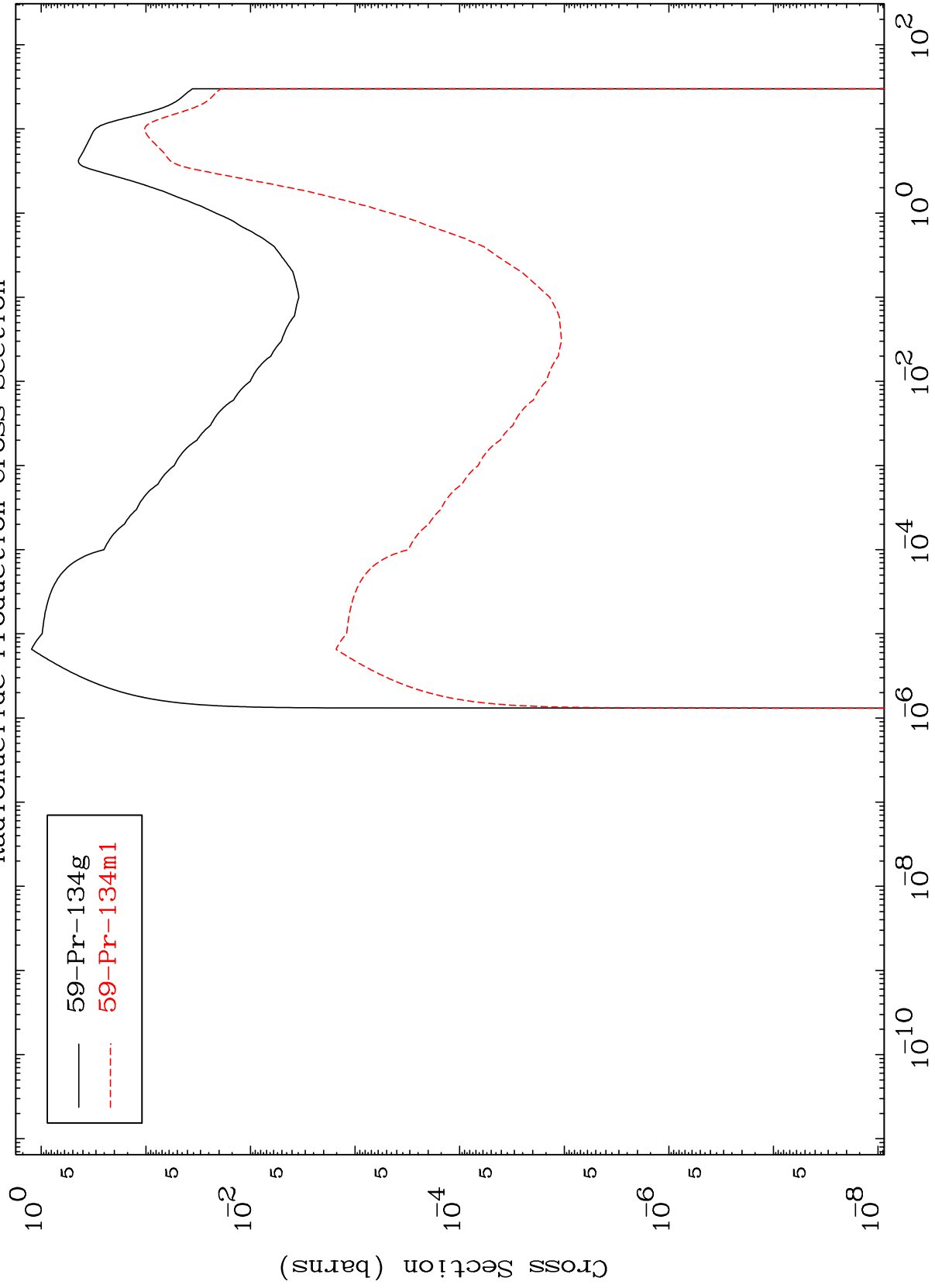
Incident Energy (MeV)

60-Nd-134

MAT 6001

60-Nd-134

(n,p)  
Radionuclide Production Cross Section



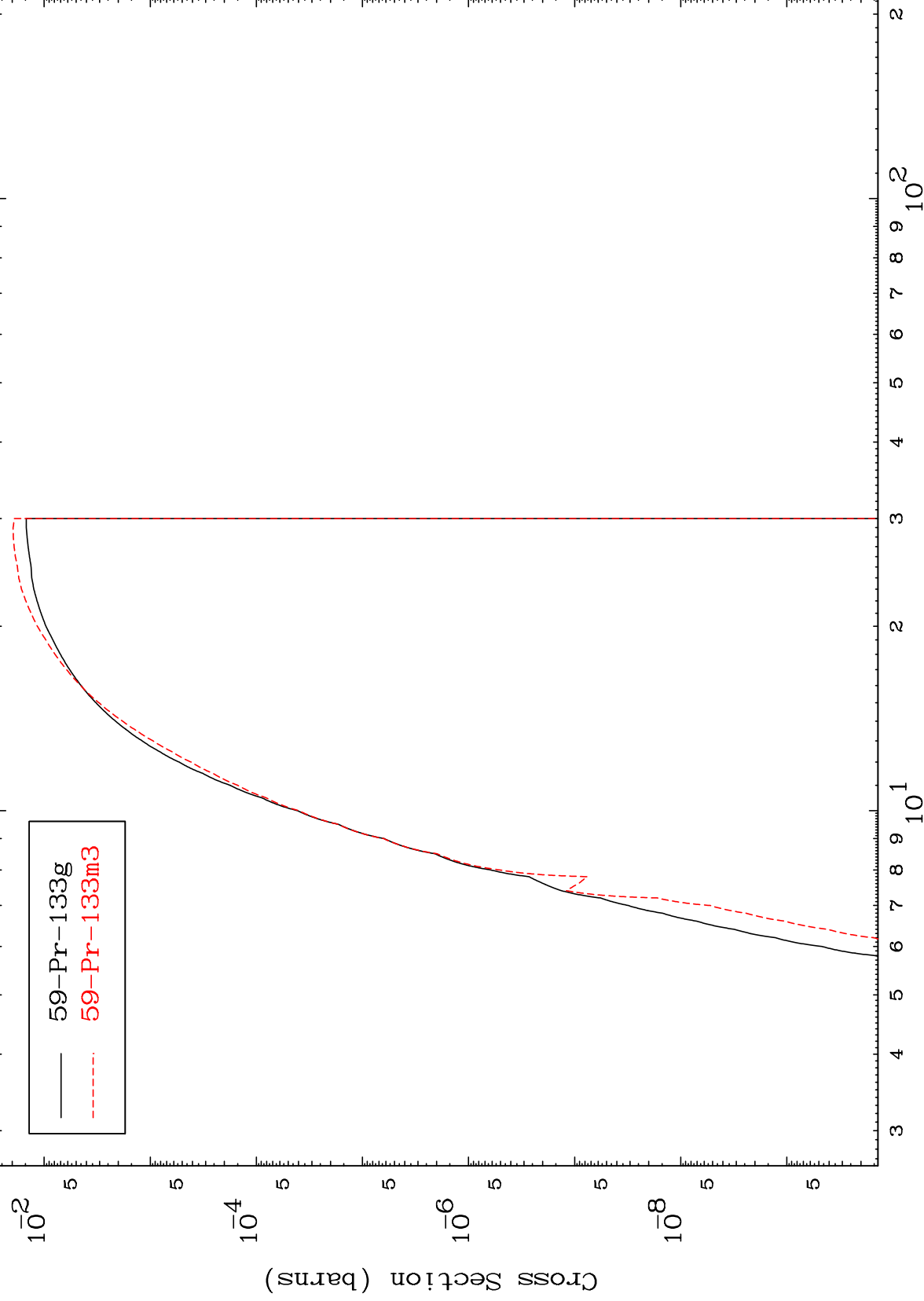
— 59-Pr-134g  
- - - 59-Pr-134m1

MAT 6001

(n,d)

<sup>60</sup>Nd-134

Radionuclide Production Cross Section



87

Incident Energy (MeV)

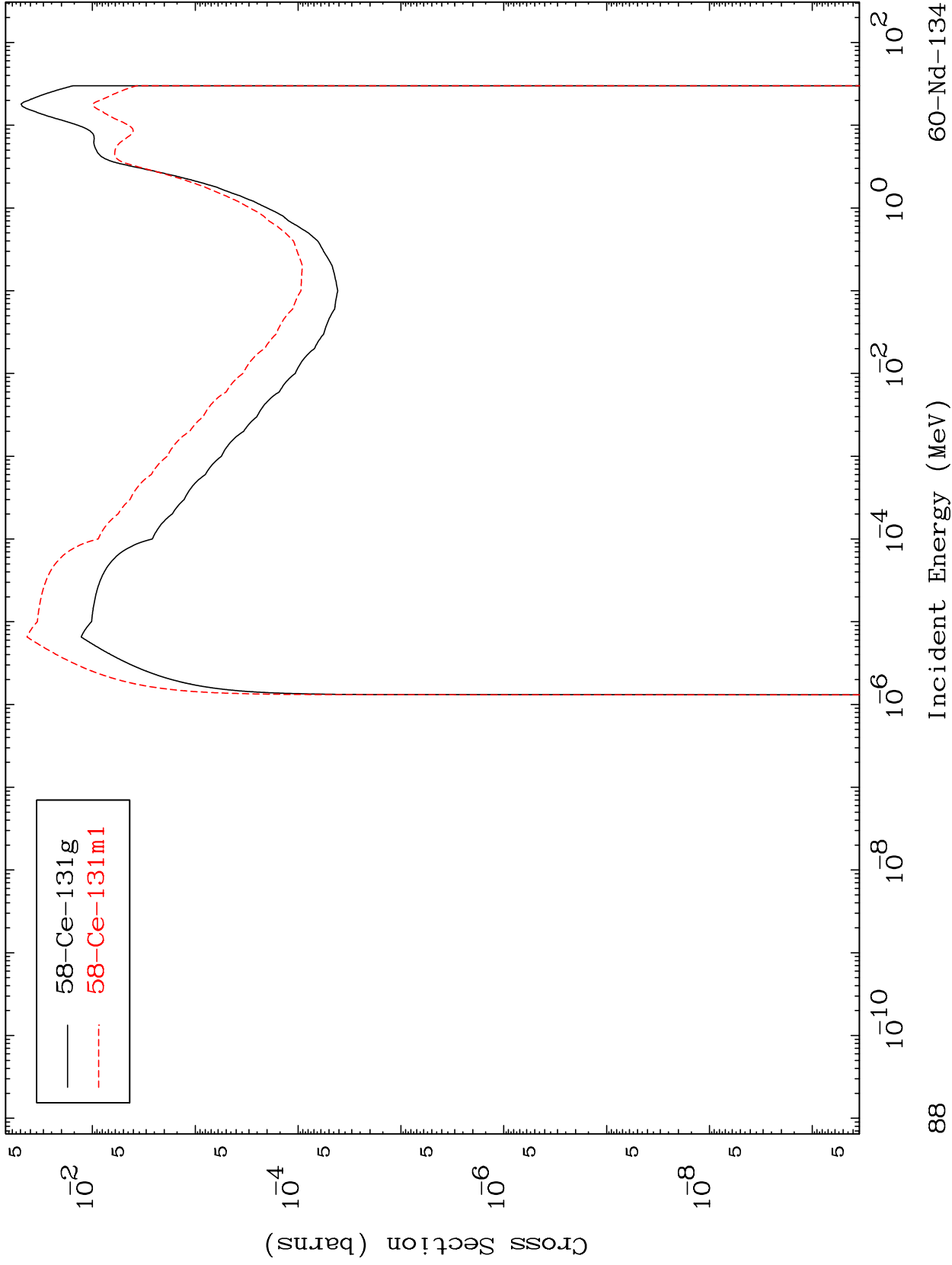
<sup>60</sup>Nd-134



MAT 6001

60-Nd-134

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

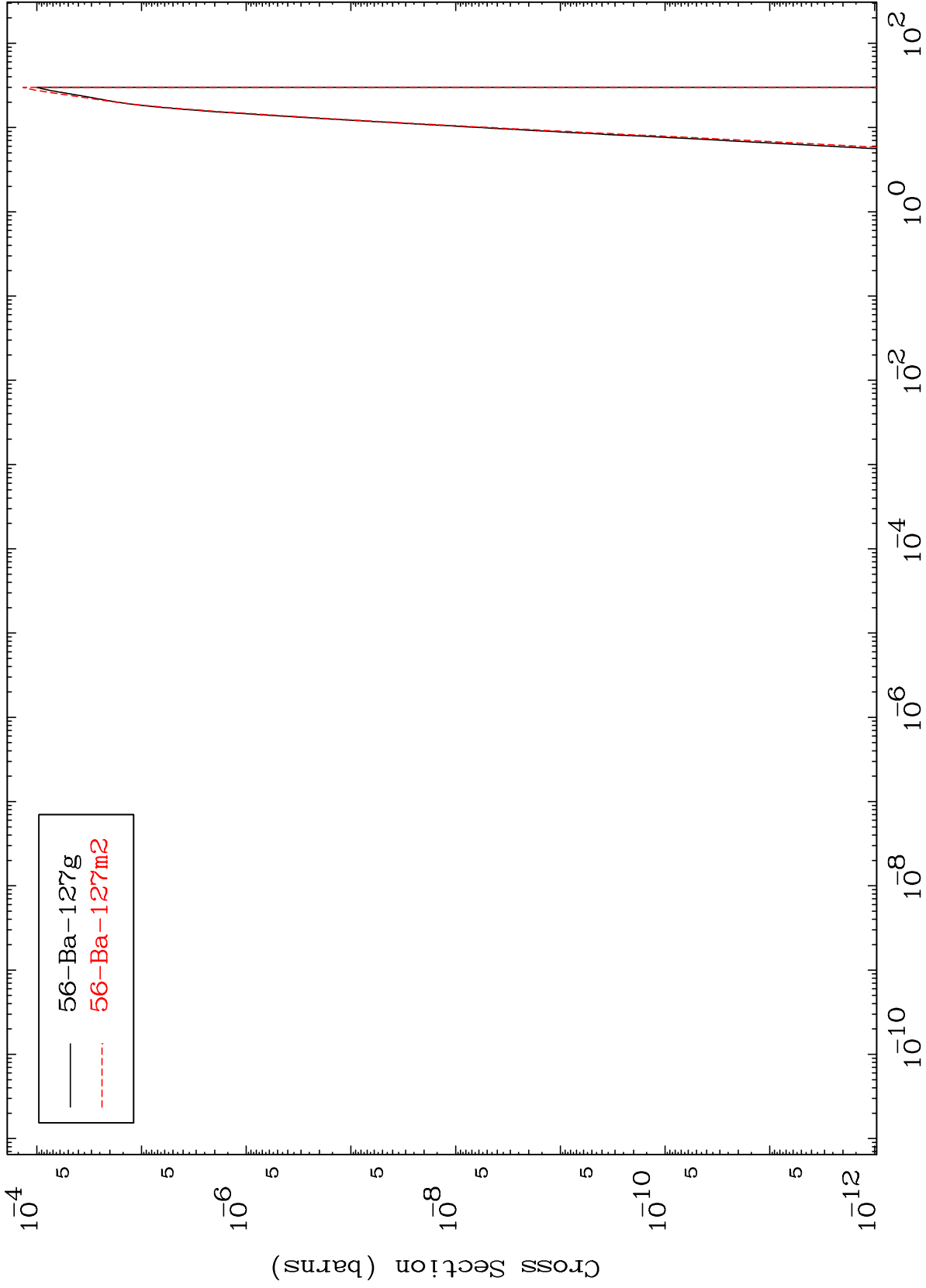


MAT 6001

(n,2α)

60-Nd-134

Radionuclide Production Cross Section



89

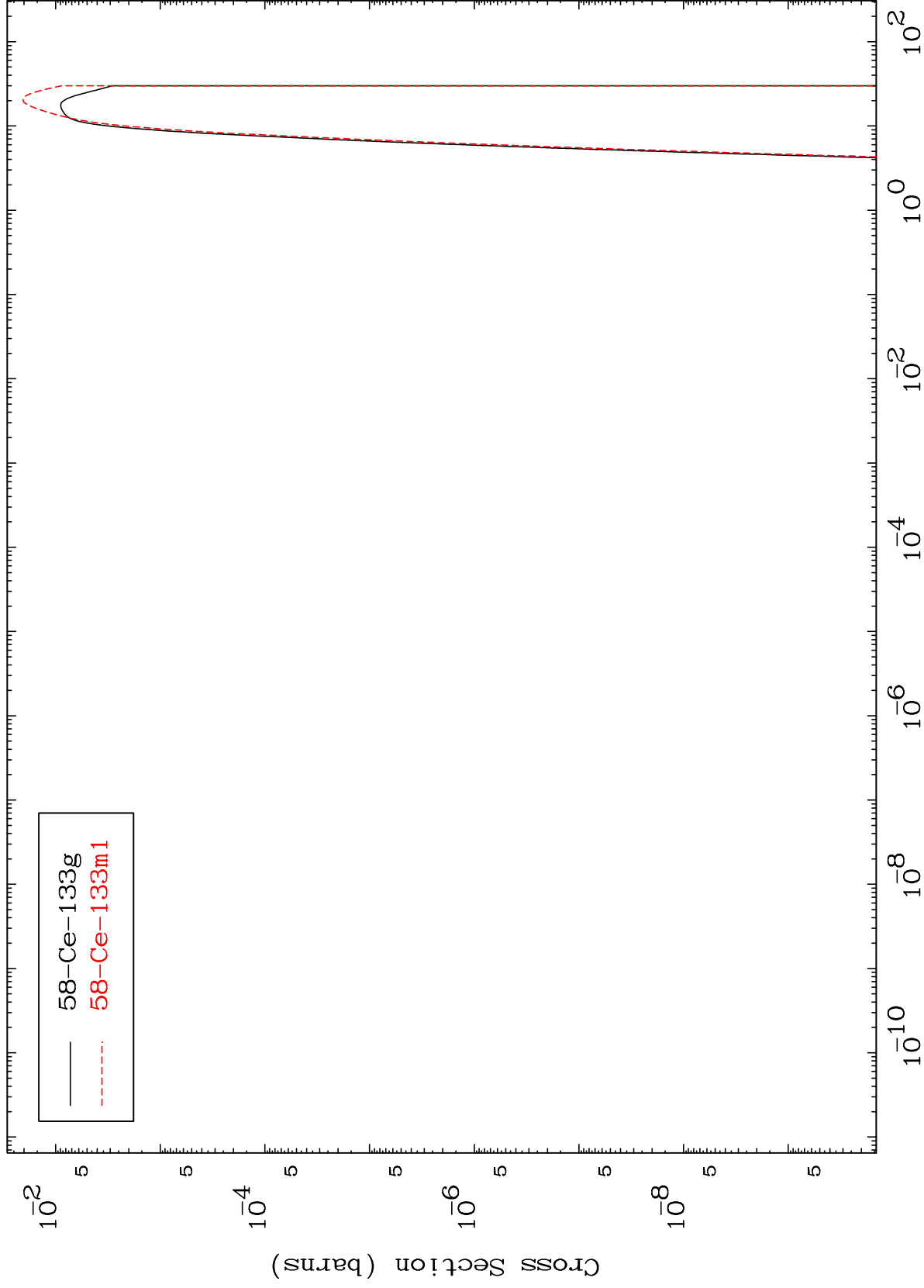
Incident Energy (MeV)

60-Nd-134

MAT 6001

60-Nd-134

(n,2p)  
Radionuclide Production Cross Section



58-Ce-133g  
58-Ce-133m1

90

60-Nd-134

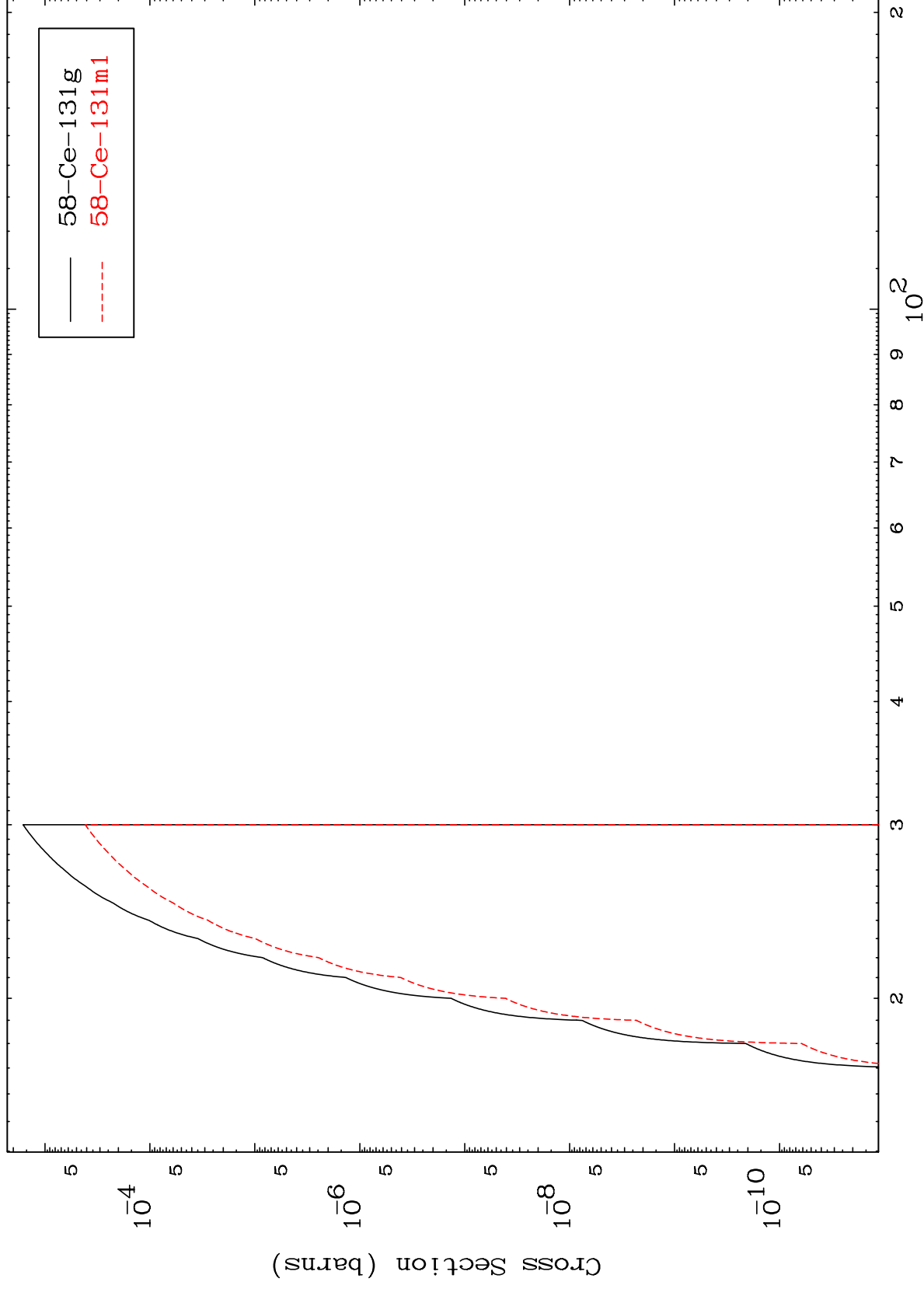
Incident Energy (MeV)

MAT 6001

(n,p) t

60-Nd-134

Radionuclide Production Cross Section



91

Incident Energy (MeV)

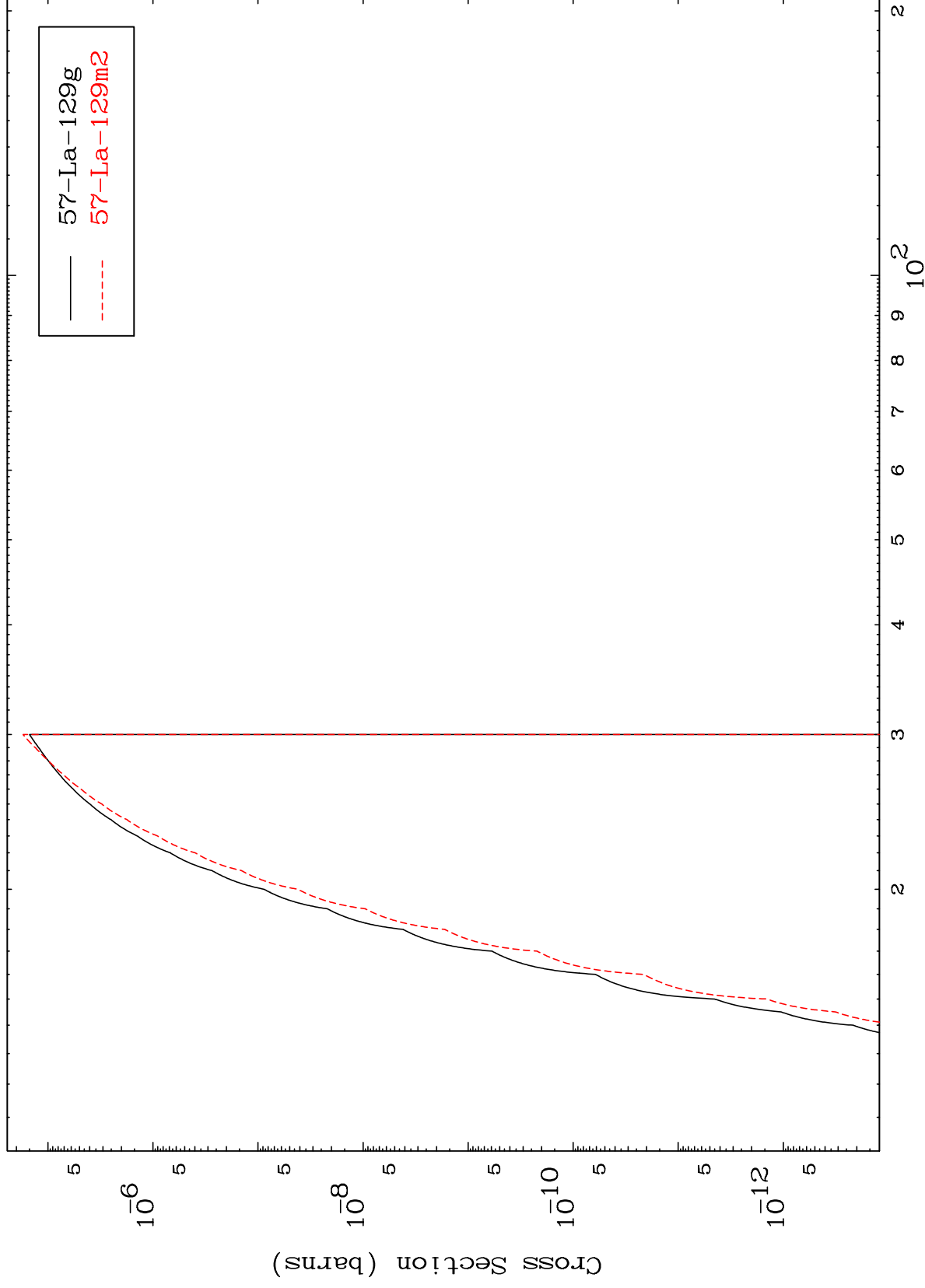
60-Nd-134

MAT 6001

(n,d)  $\alpha$

60-Nd-134

Radionuclide Production Cross Section



92

Incident Energy (MeV)

60-Nd-134