

Program EVALPLOT  
(Version 2015-2)

by

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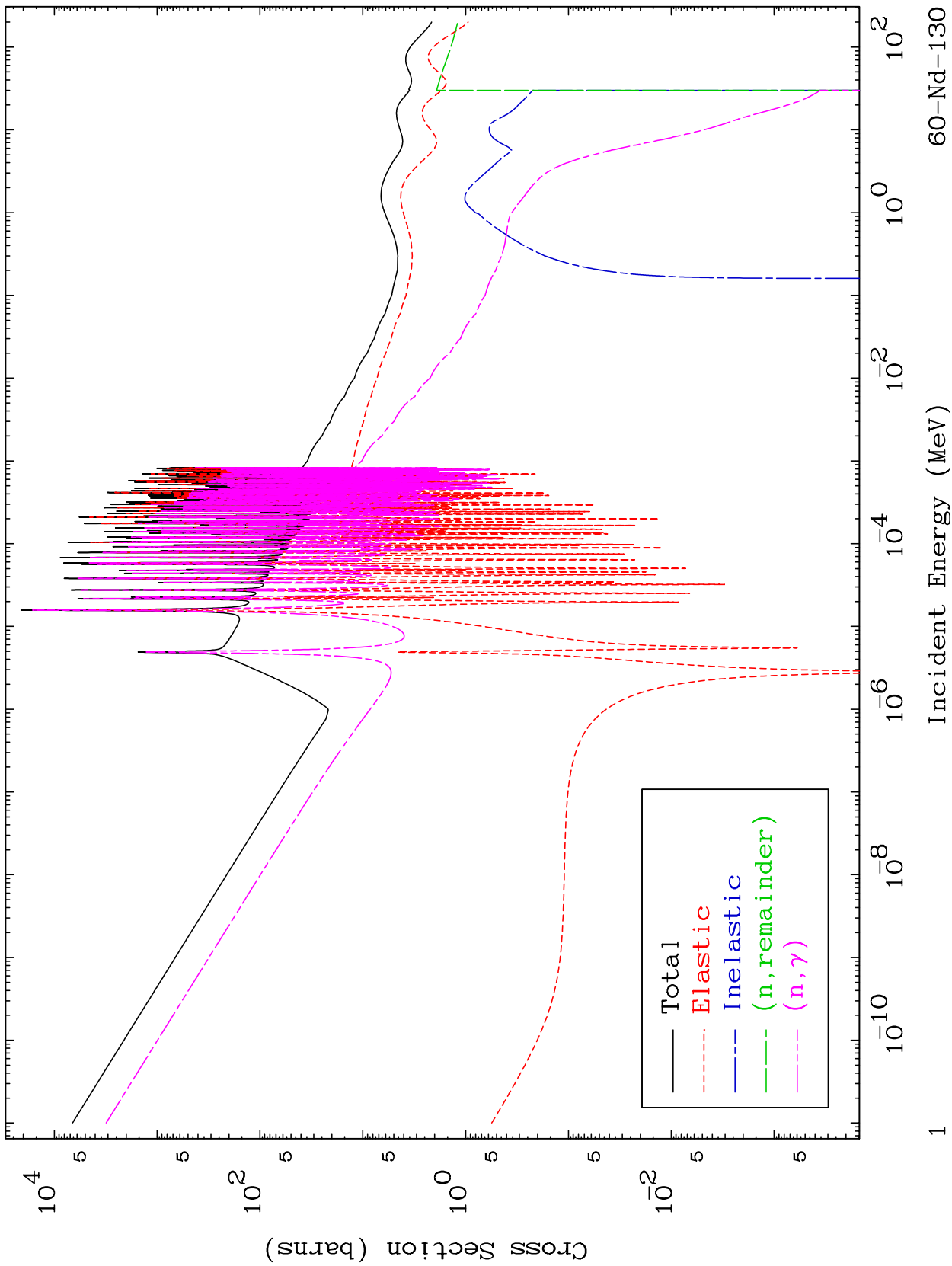
Press Mouse Button to Start

MAT 5989

Major

293 Kelvin Cross Sections

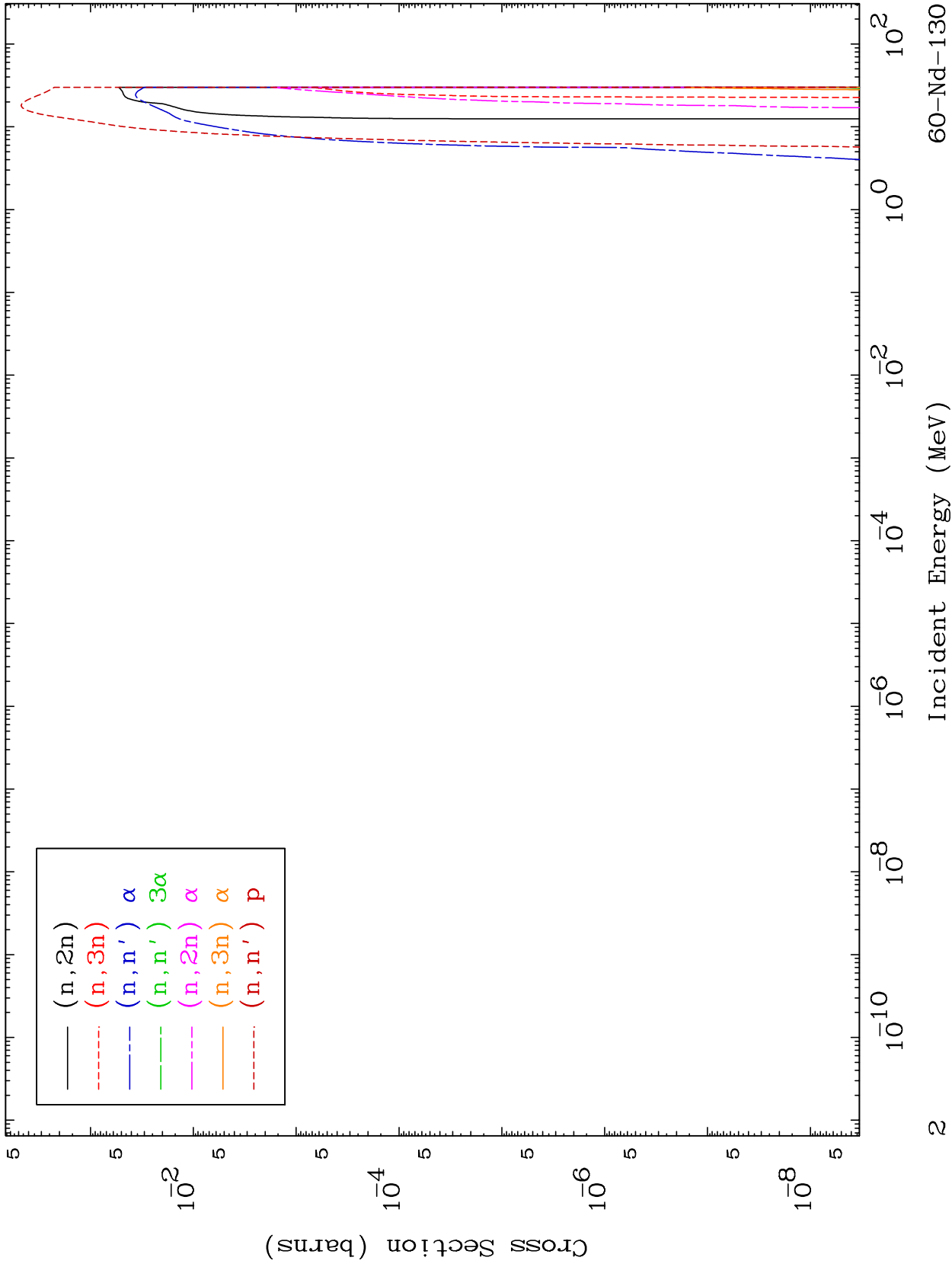
60-Nd-130



MAT 5989

Neutron Production  
293 Kelvin Cross Sections

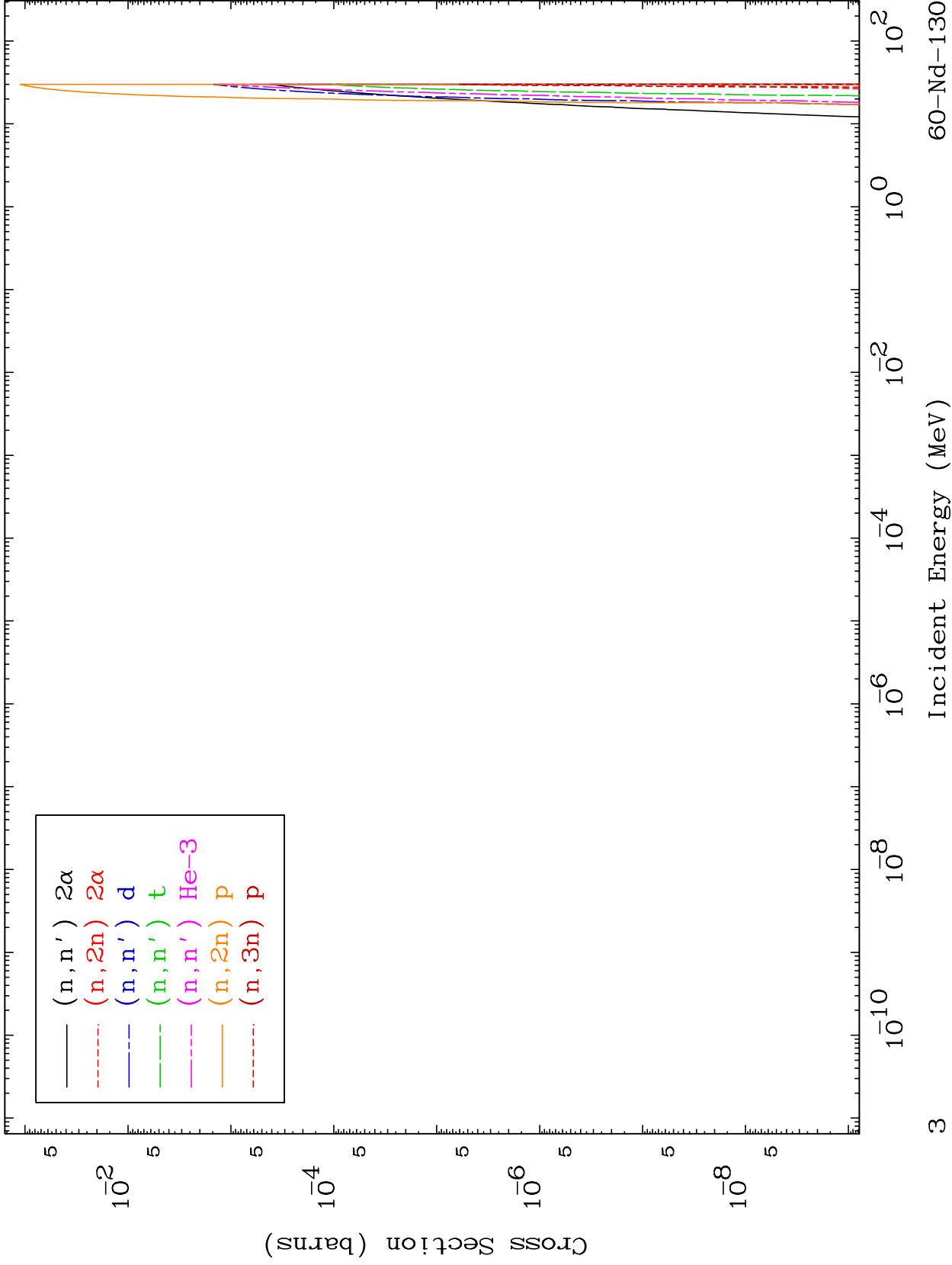
60-Nd-130



MAT 5989

Neutron Production  
293 Kelvin Cross Sections

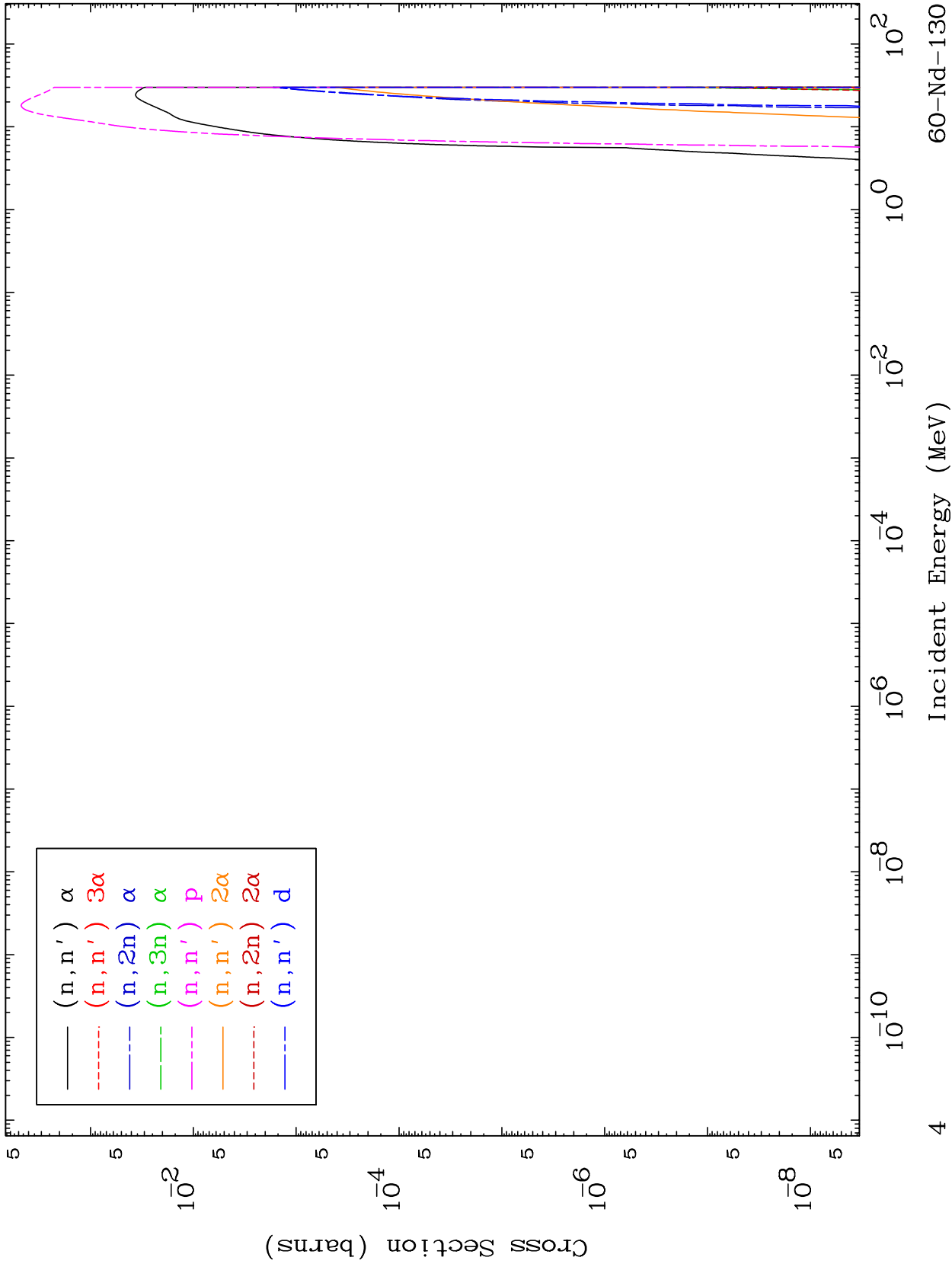
60-Nd-130



MAT 5989

Charged Particle  
293 Kelvin Cross Sections

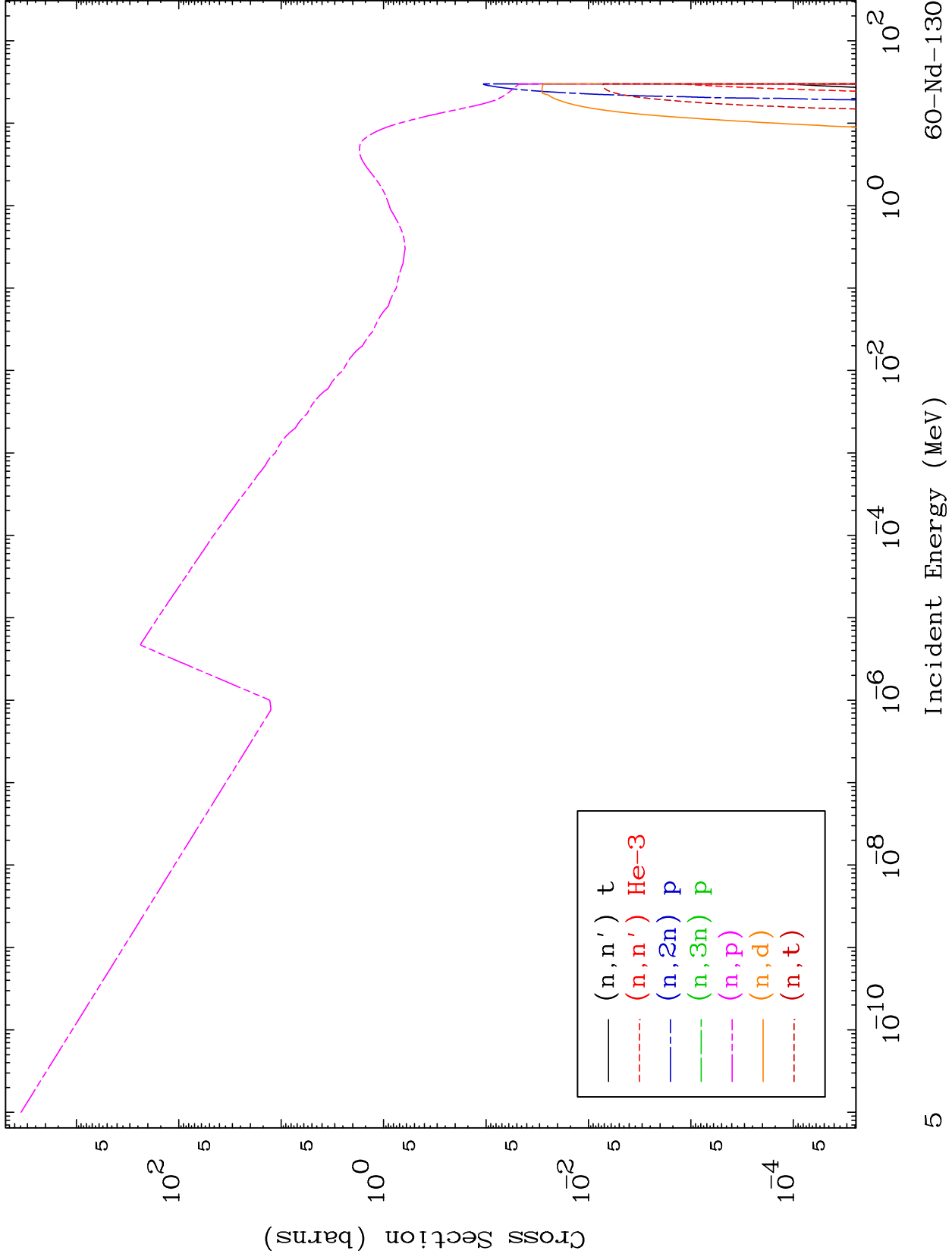
60-Nd-130



MAT 5989

Charged Particle  
293 Kelvin Cross Sections

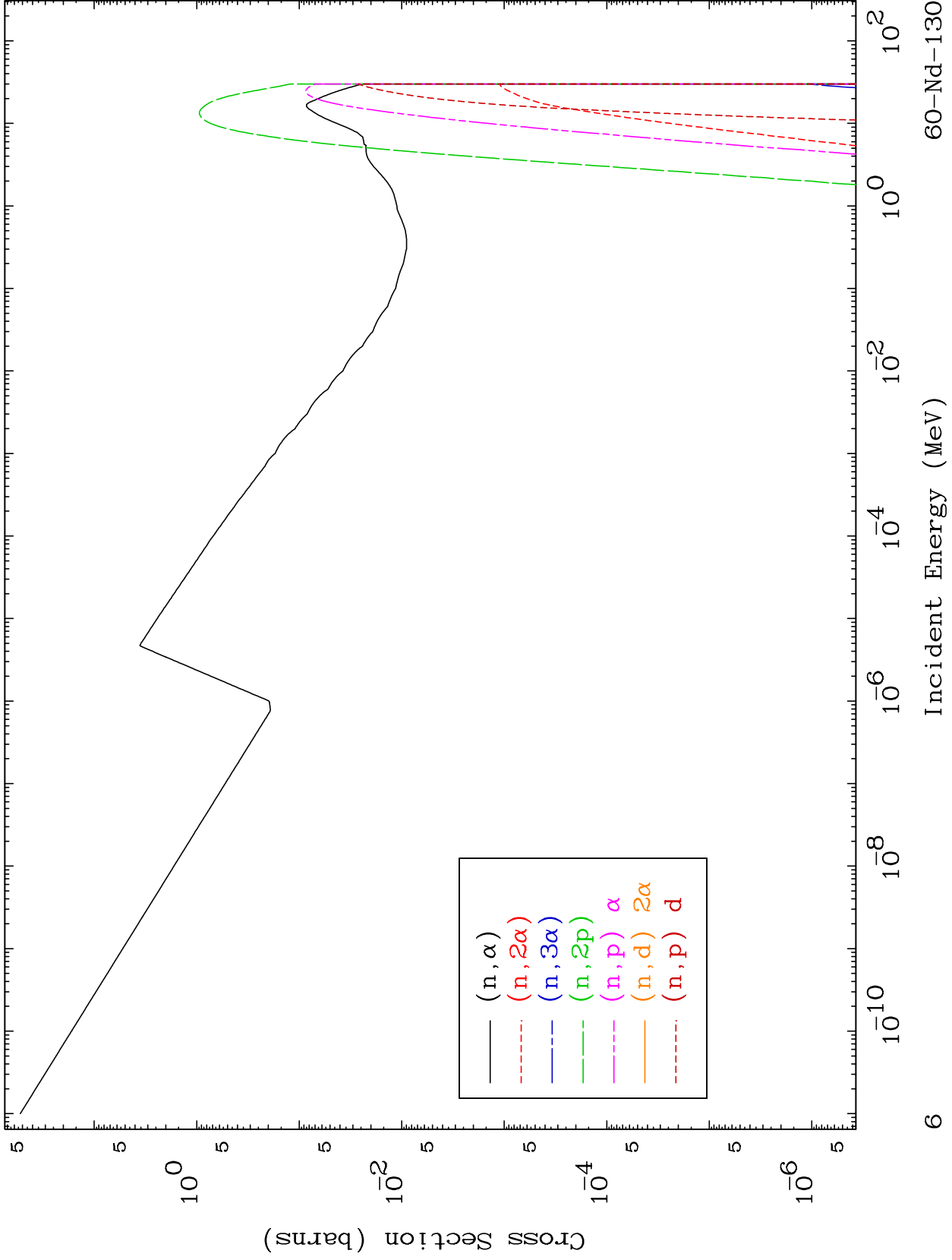
60-Nd-130



MAT 5989

Charged Particle  
293 Kelvin Cross Sections

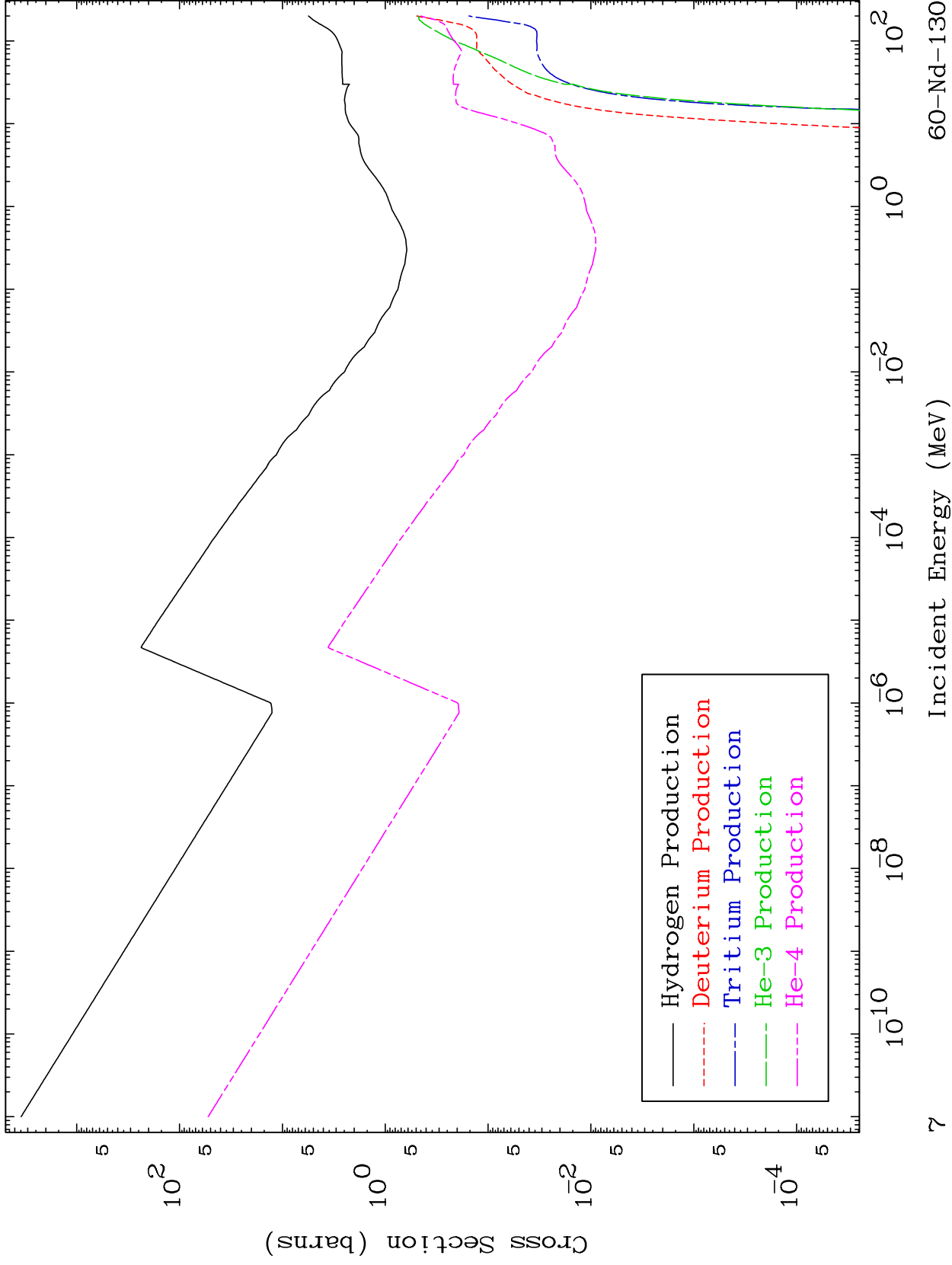
60-Nd-130



MAT 5989

Particle Production  
293 Kelvin Cross Sections

60-Nd-130

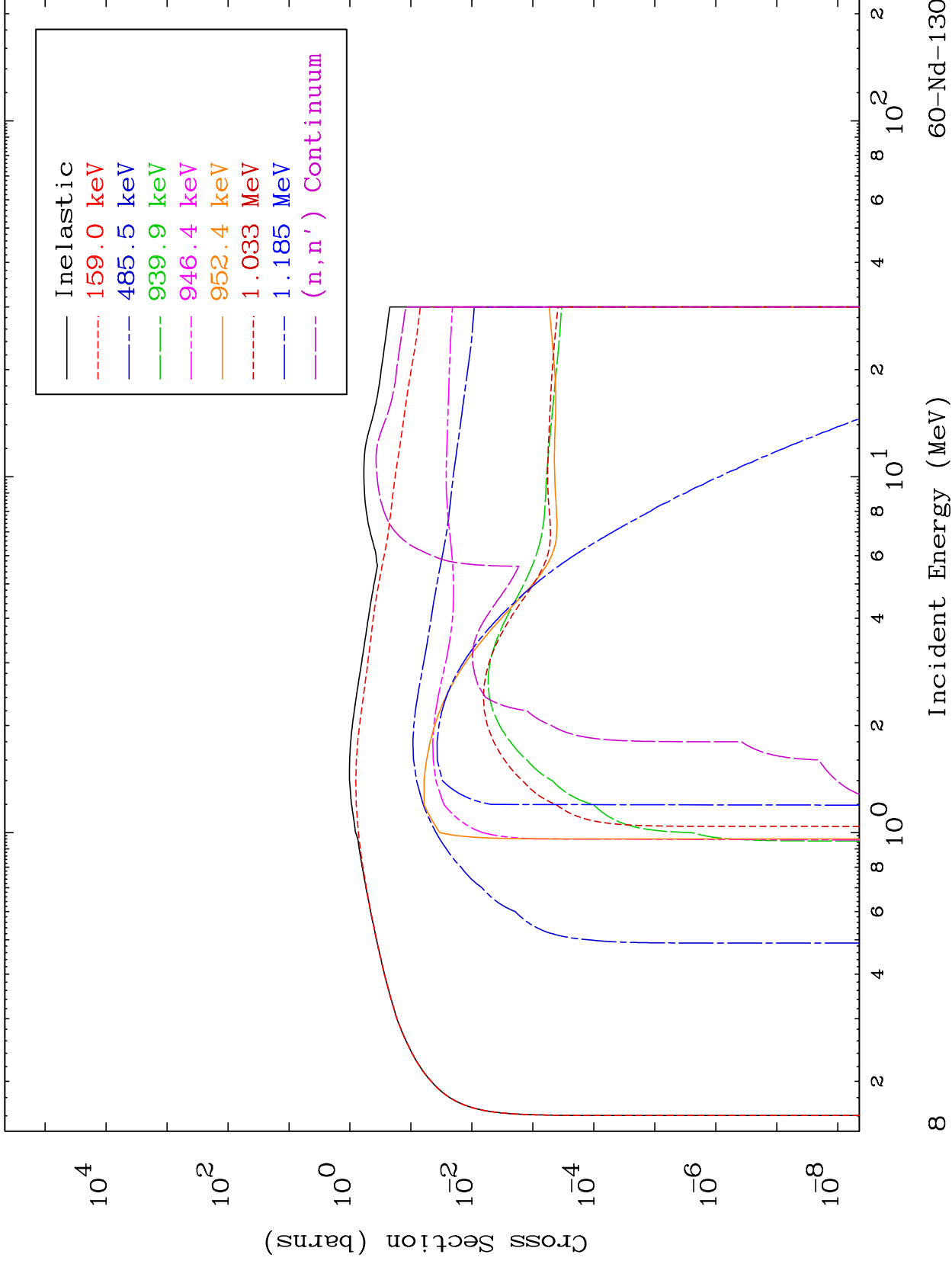




MAT 5989

(n,n') Level  
293 Kelvin Cross Sections

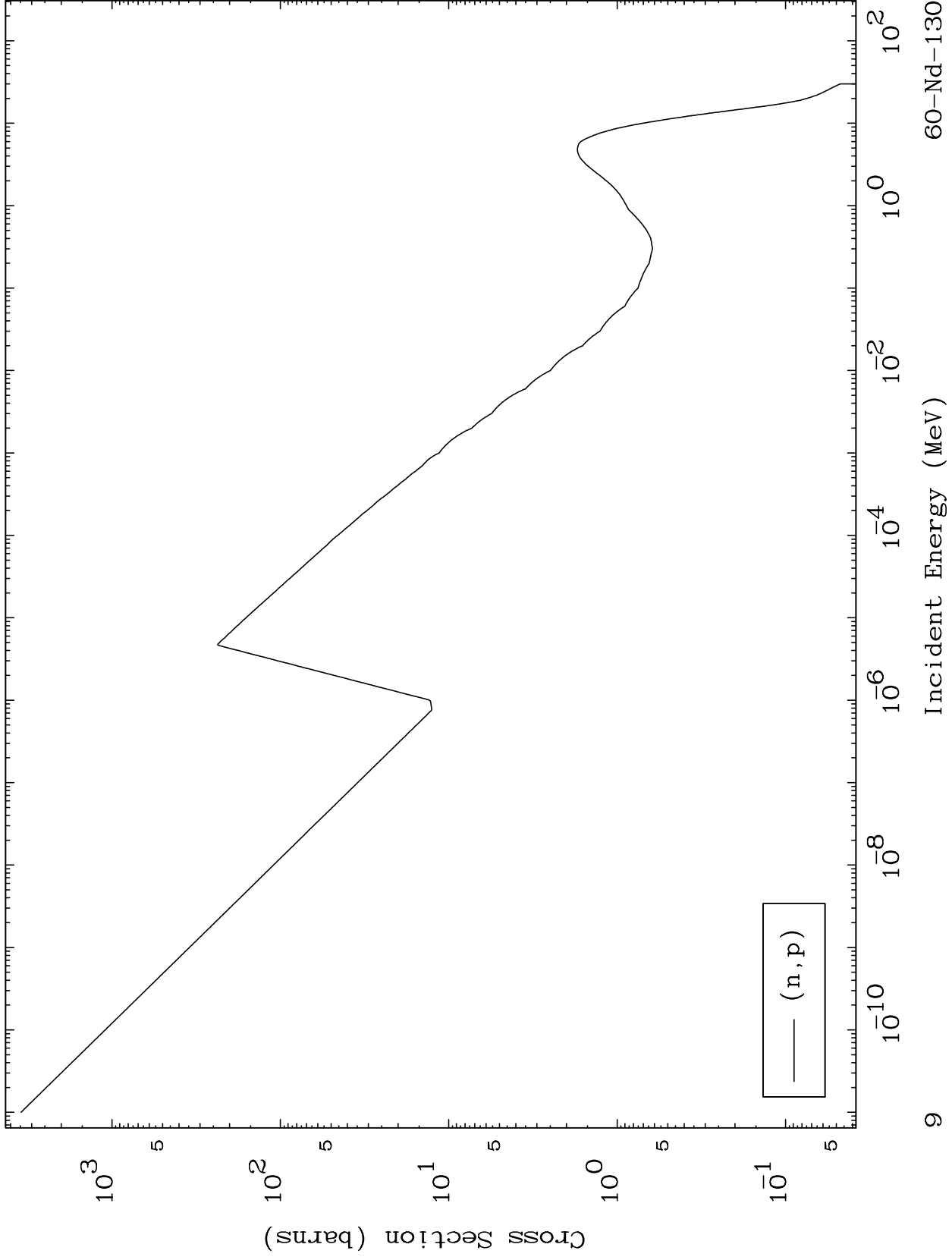
60-Nd-130



MAT 5989

(n,p) Levels  
293 Kelvin Cross Sections

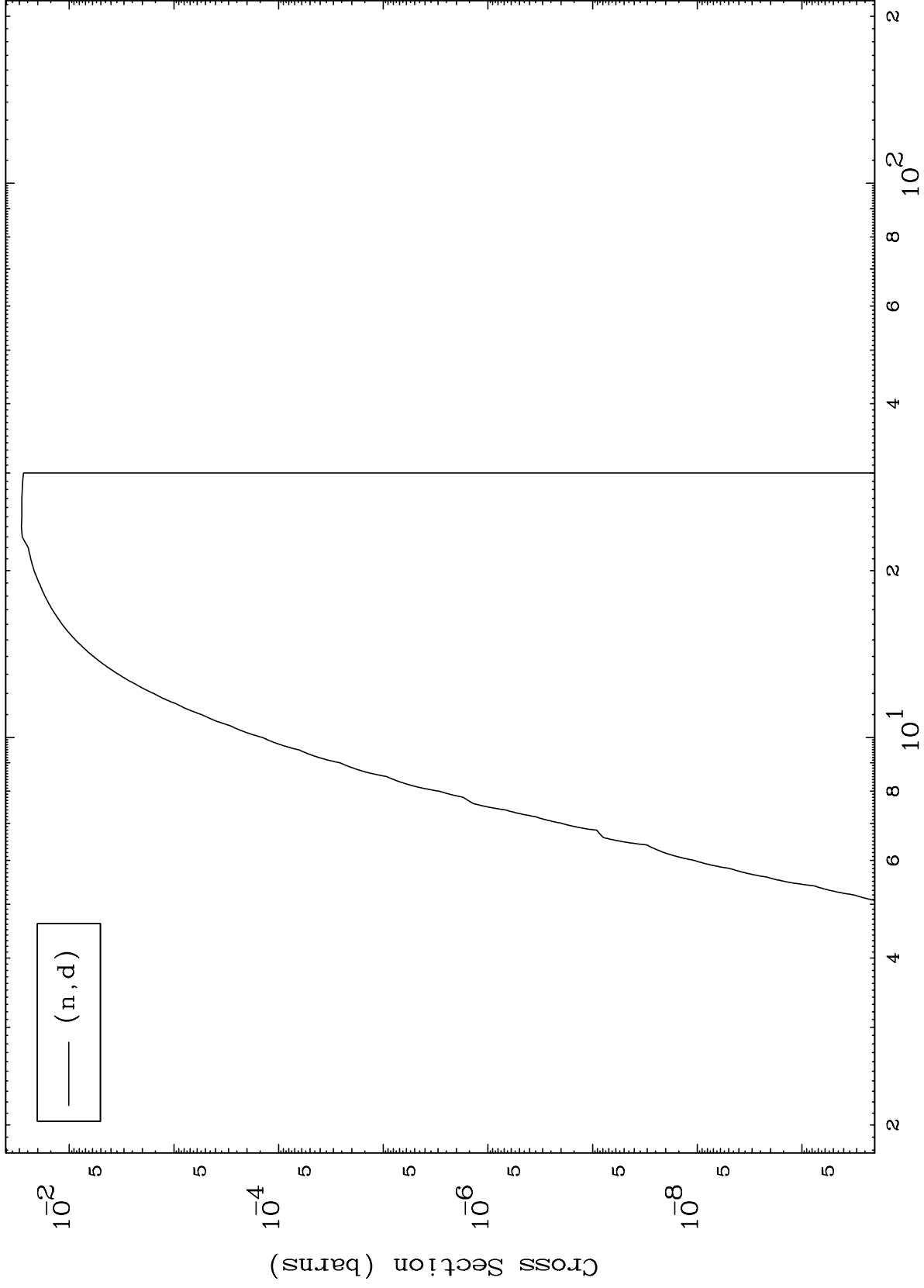
60-Nd-130



MAT 5989

(n,d) Levels  
293 Kelvin Cross Sections

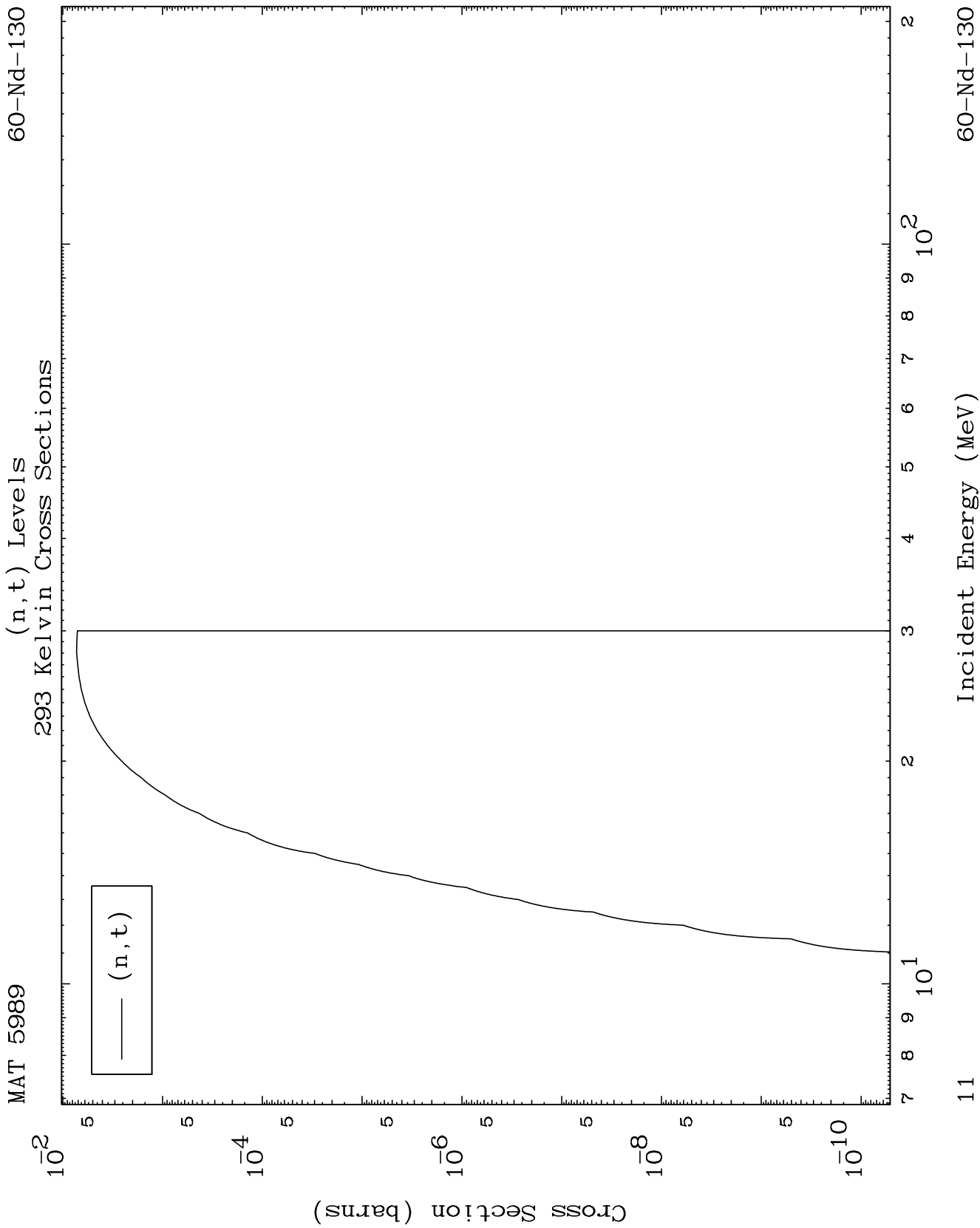
60-Nd-130



10

Incident Energy (MeV)

60-Nd-130



$10^{-2}$

5

— (n, t)

$10^{-4}$

5

Cross Section (barns)

$10^{-6}$

5

$10^{-8}$

5

$10^{-10}$

5

10<sup>1</sup>

2

3

4

5

6

7

8

9

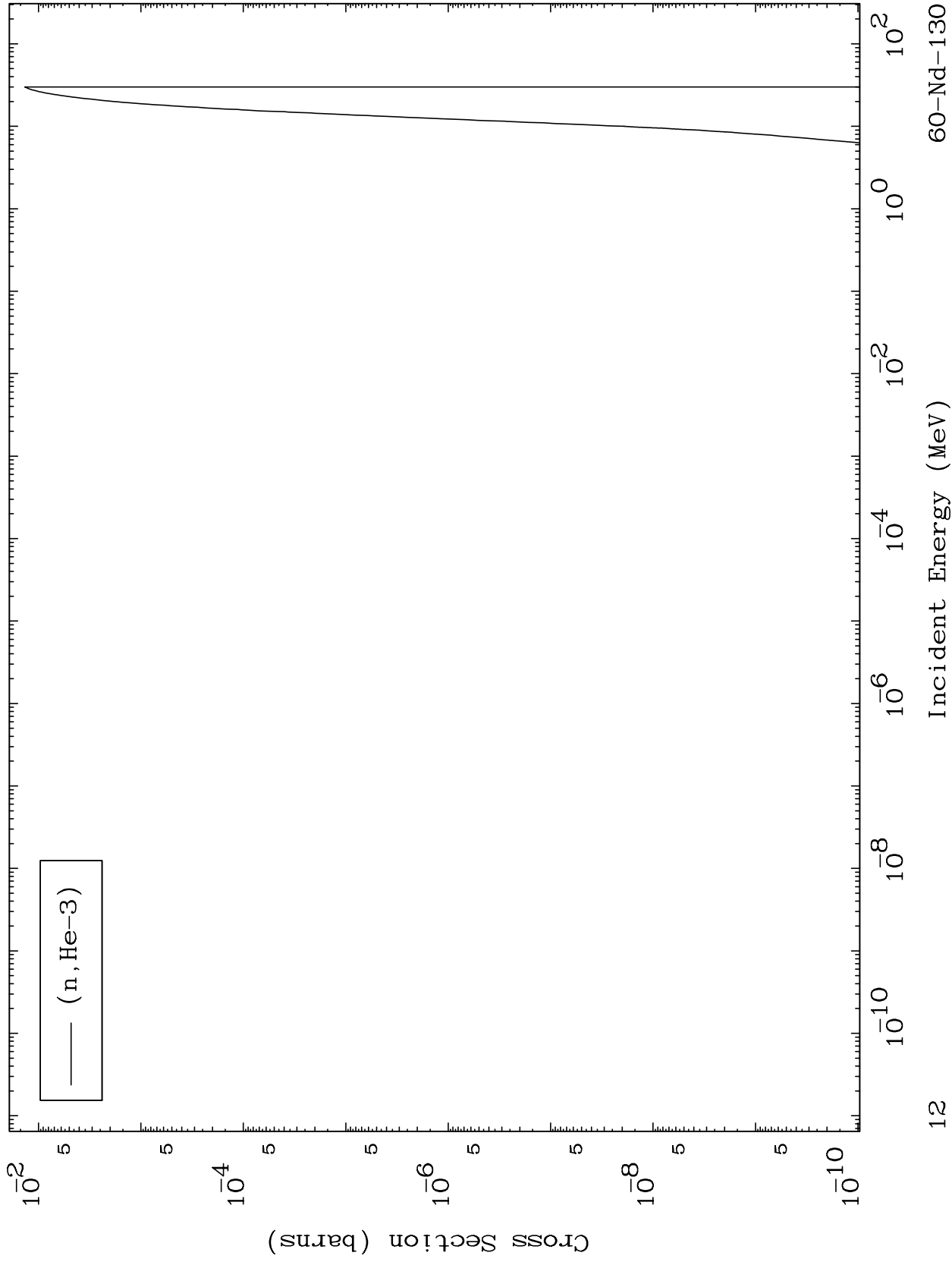
10<sup>2</sup>

2

MAT 5989

(n,He3) Levels  
293 Kelvin Cross Sections

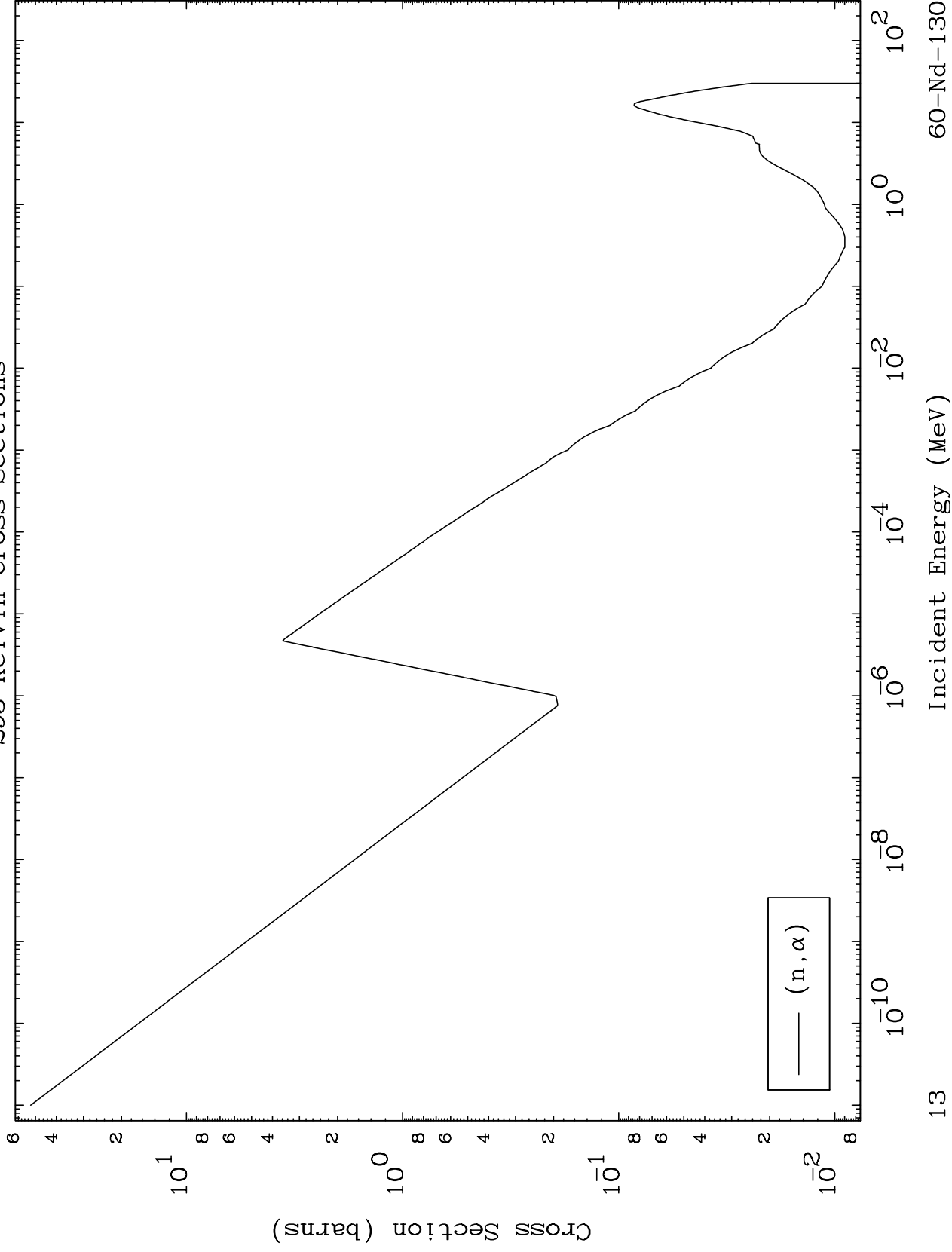
60-Nd-130

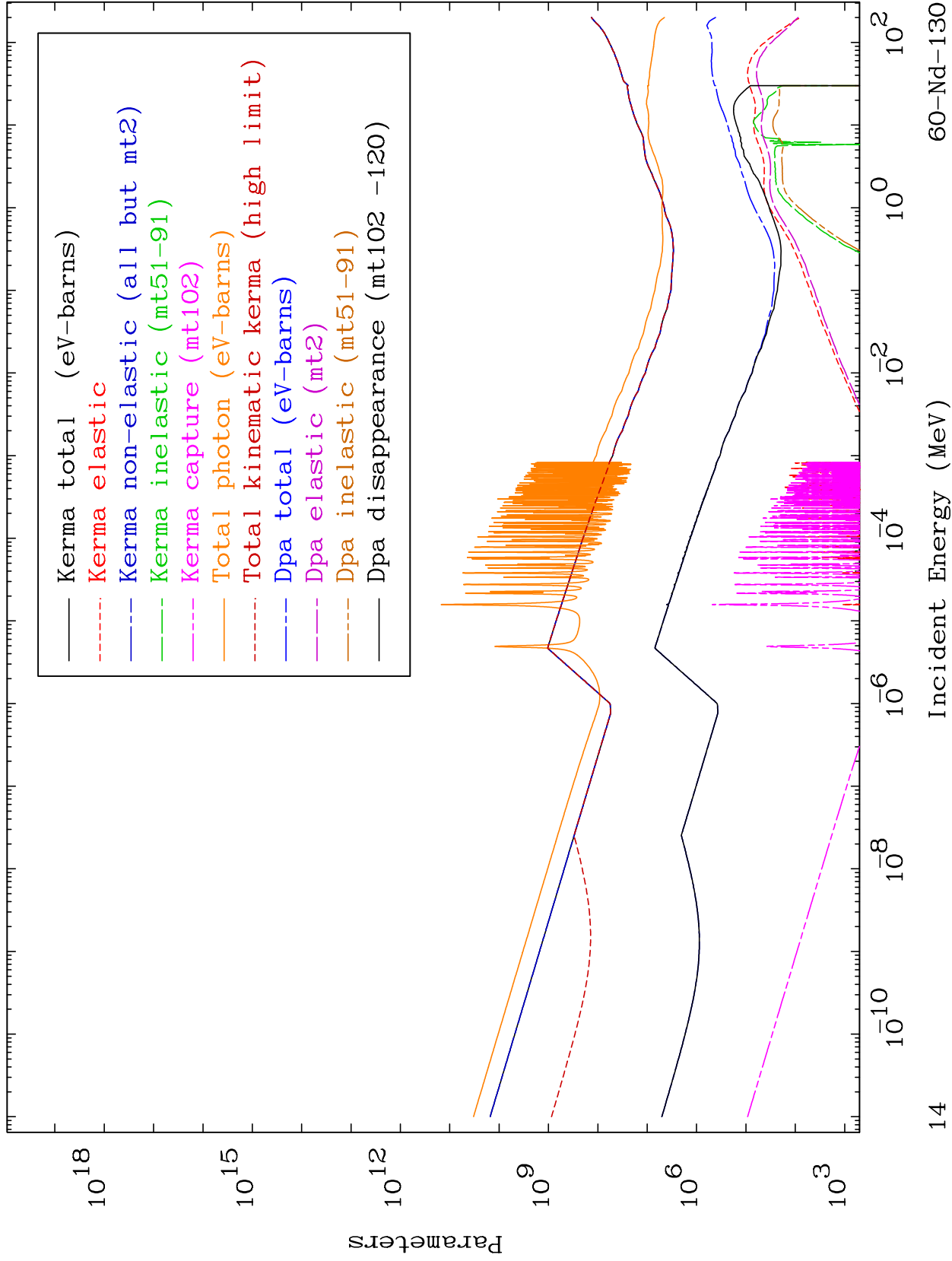


MAT 5989

(n,α) Levels  
293 Kelvin Cross Sections

60-Nd-130

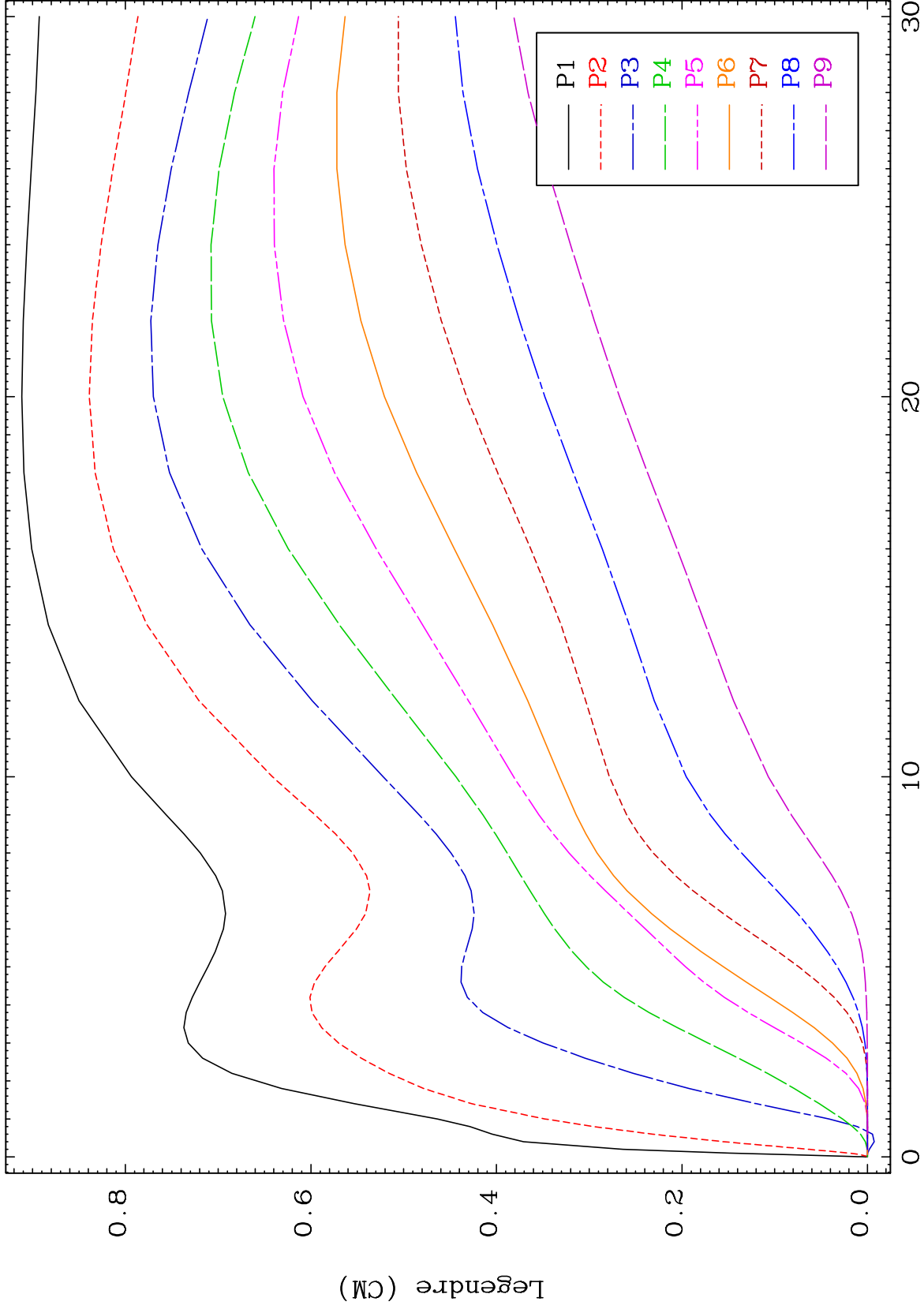




MAT 5989

Elastic Legendre Coefficients

60-Nd-130



15

Incident Energy (MeV)

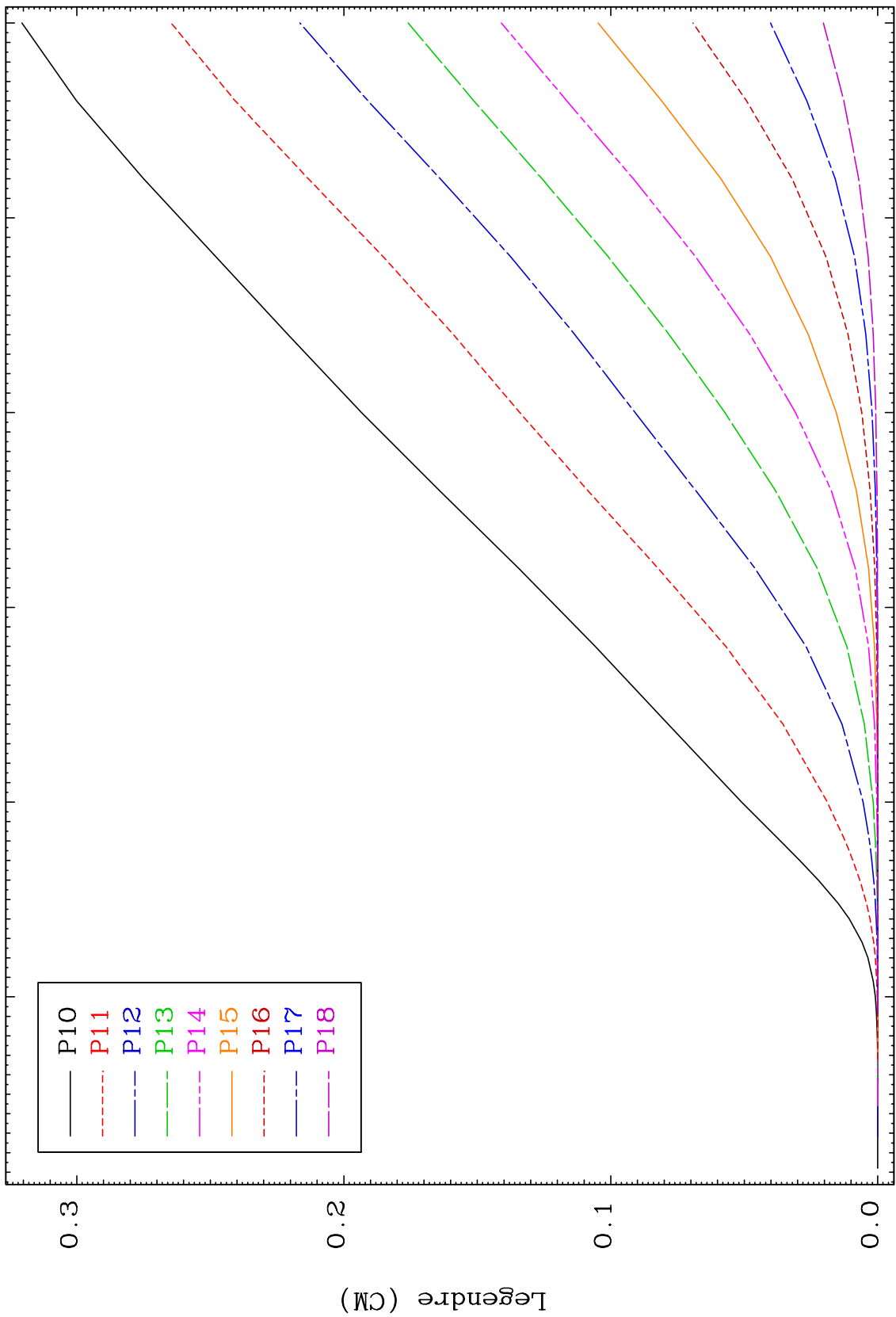
60-Nd-130



MAT 5989

Elastic Legendre Coefficients

60-Nd-130



16

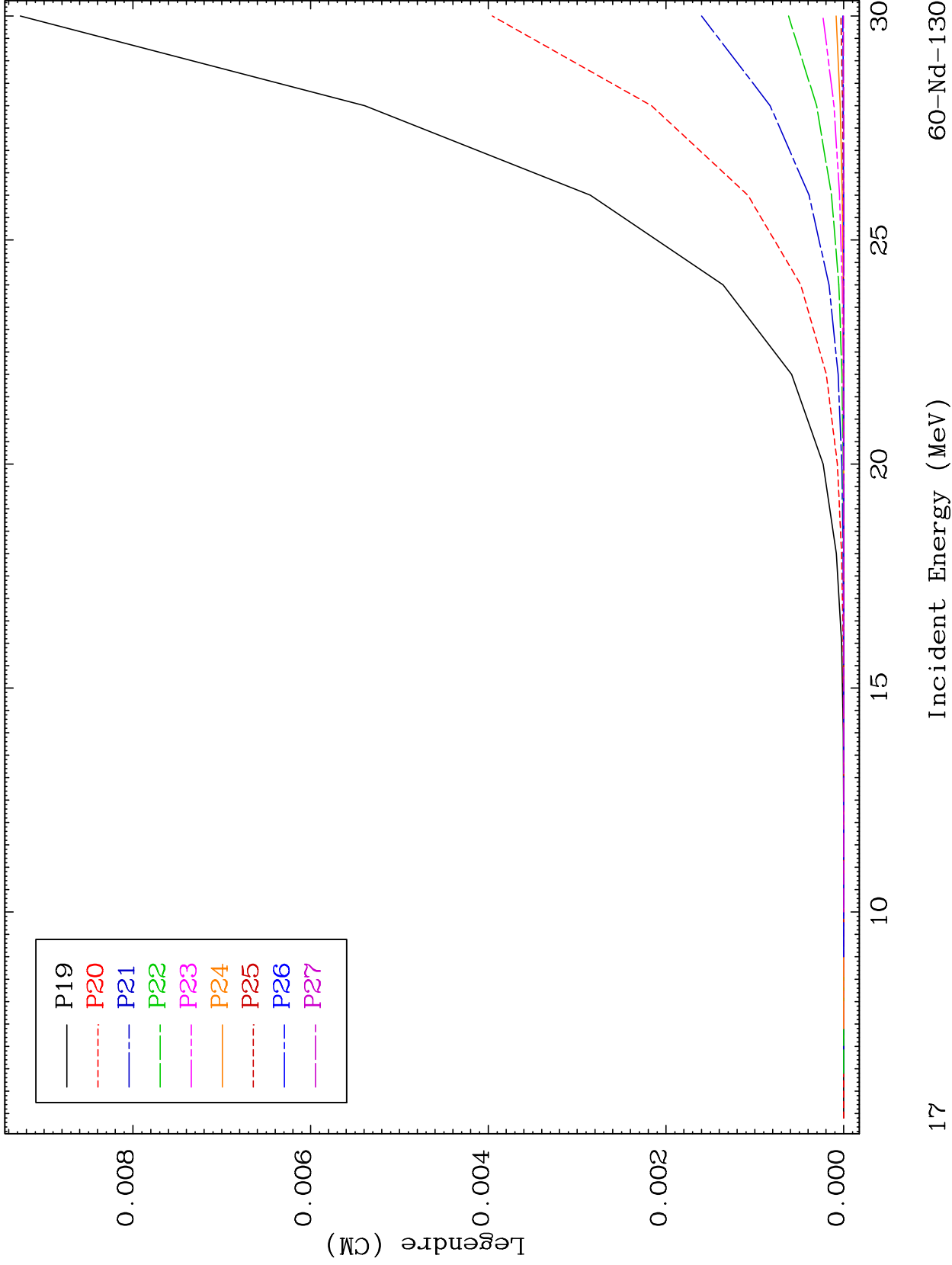
Incident Energy (MeV)

60-Nd-130

MAT 5989

### Elastic Legendre Coefficients

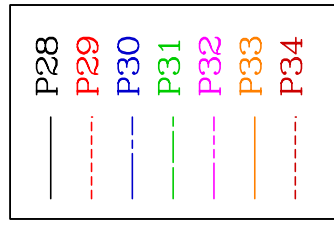
60-Nd-130



MAT 5989

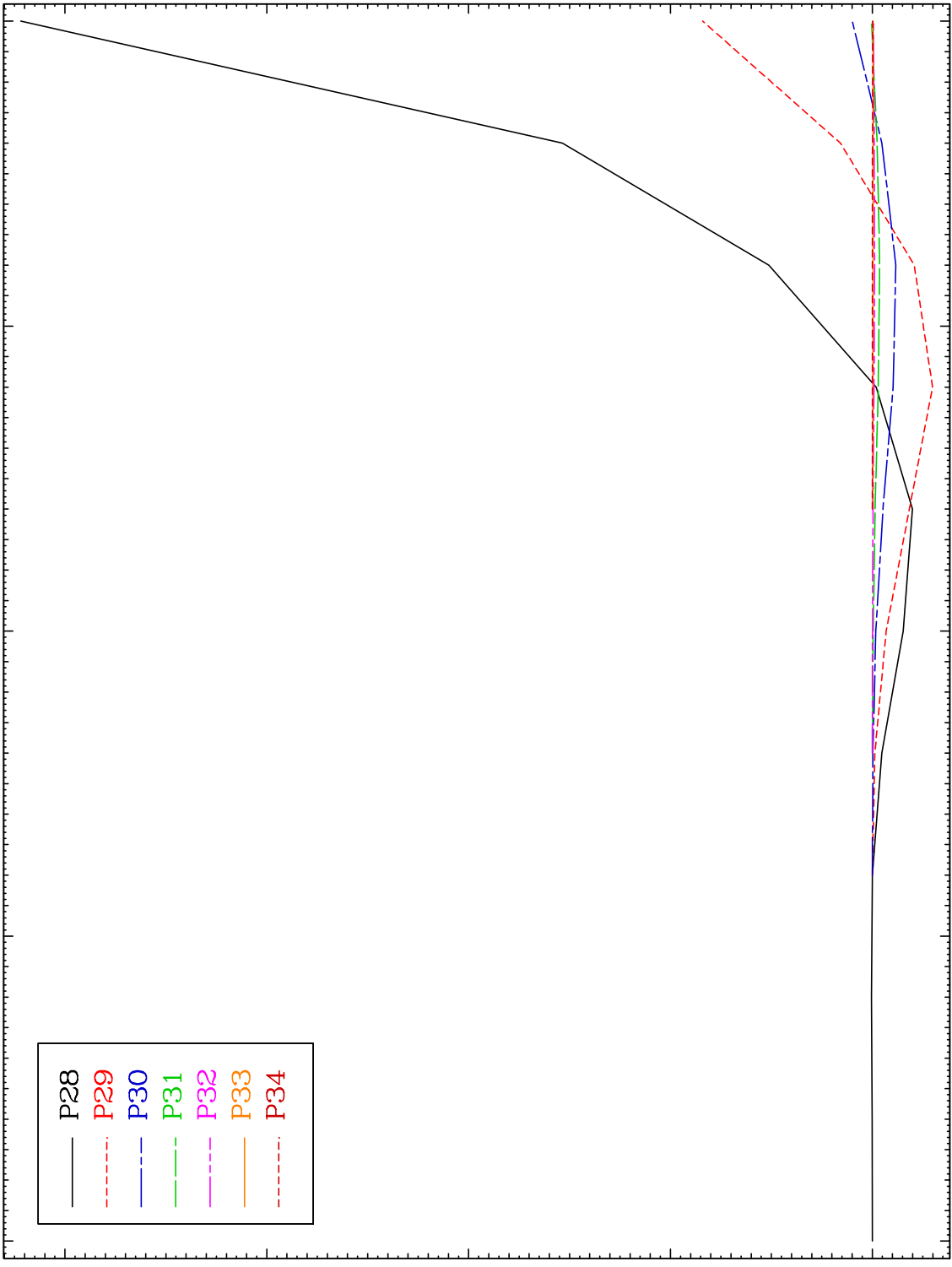
Elastic Legendre Coefficients

60-Nd-130



$\times 10^{-78}$

Legendre (CM)



30

25

20

15

10

18

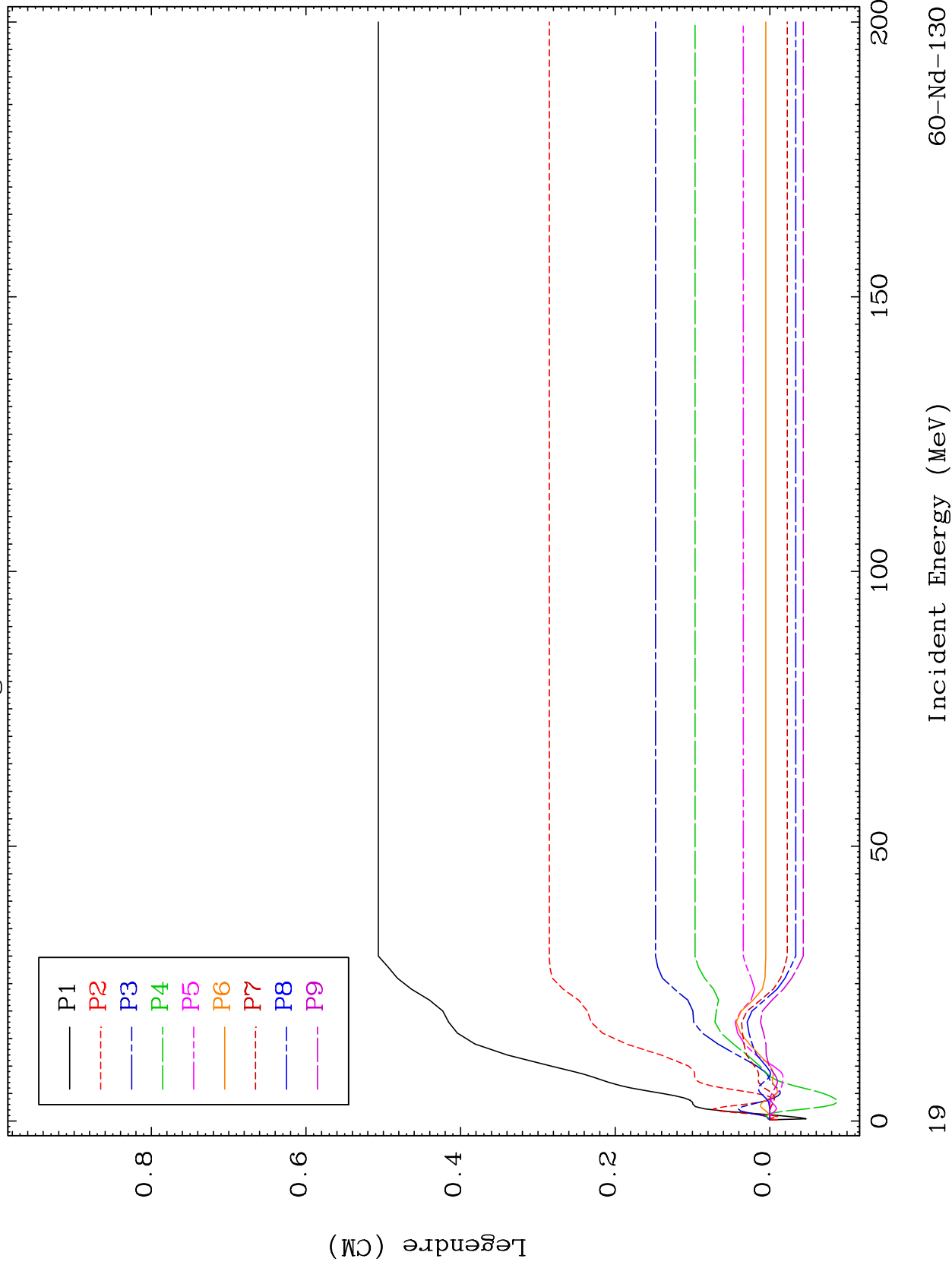
Incident Energy (MeV)

60-Nd-130

MAT 5989

159.0 keV (n,n') Level  
Legendre Coefficients

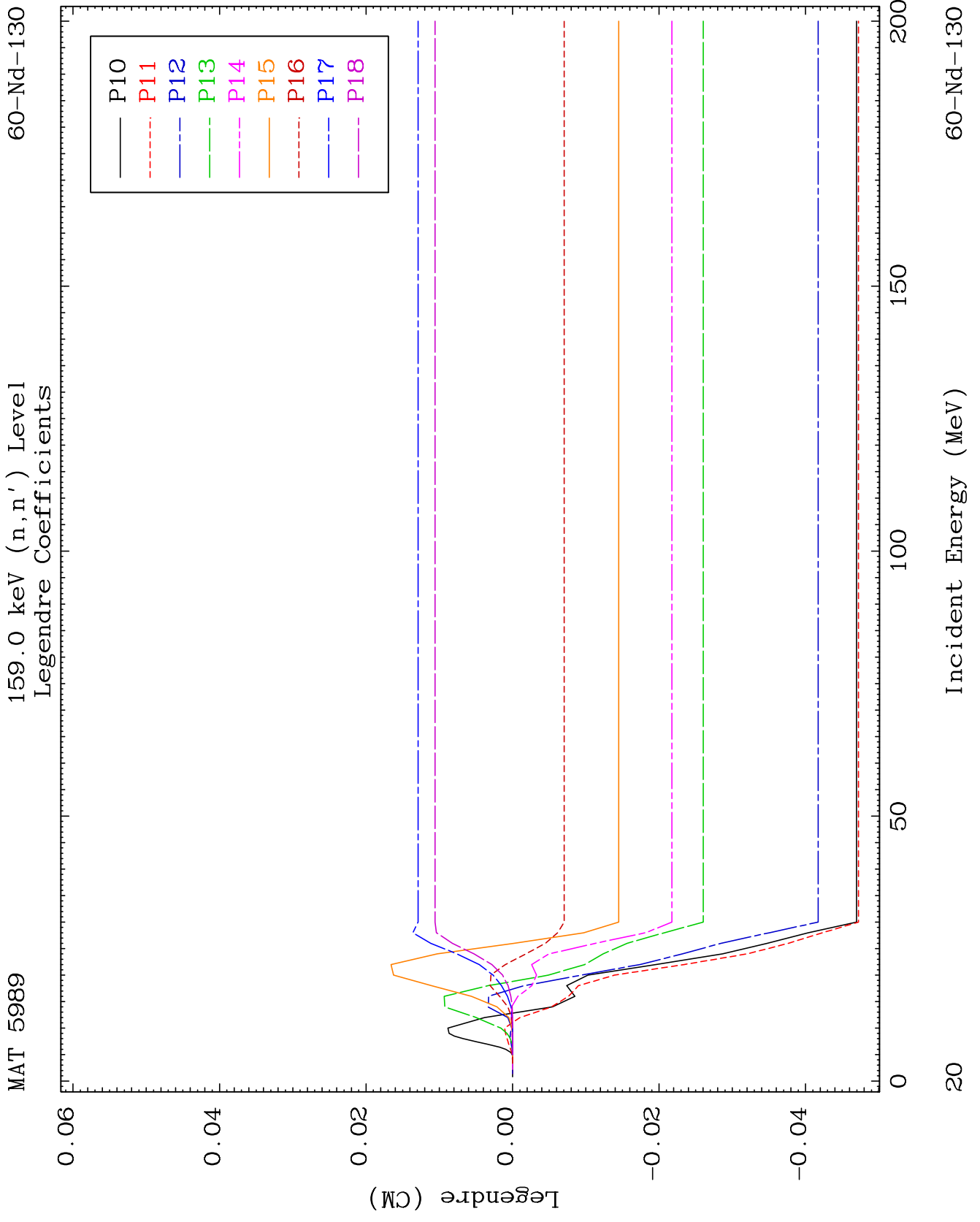
60-Nd-130



19

Incident Energy (MeV)

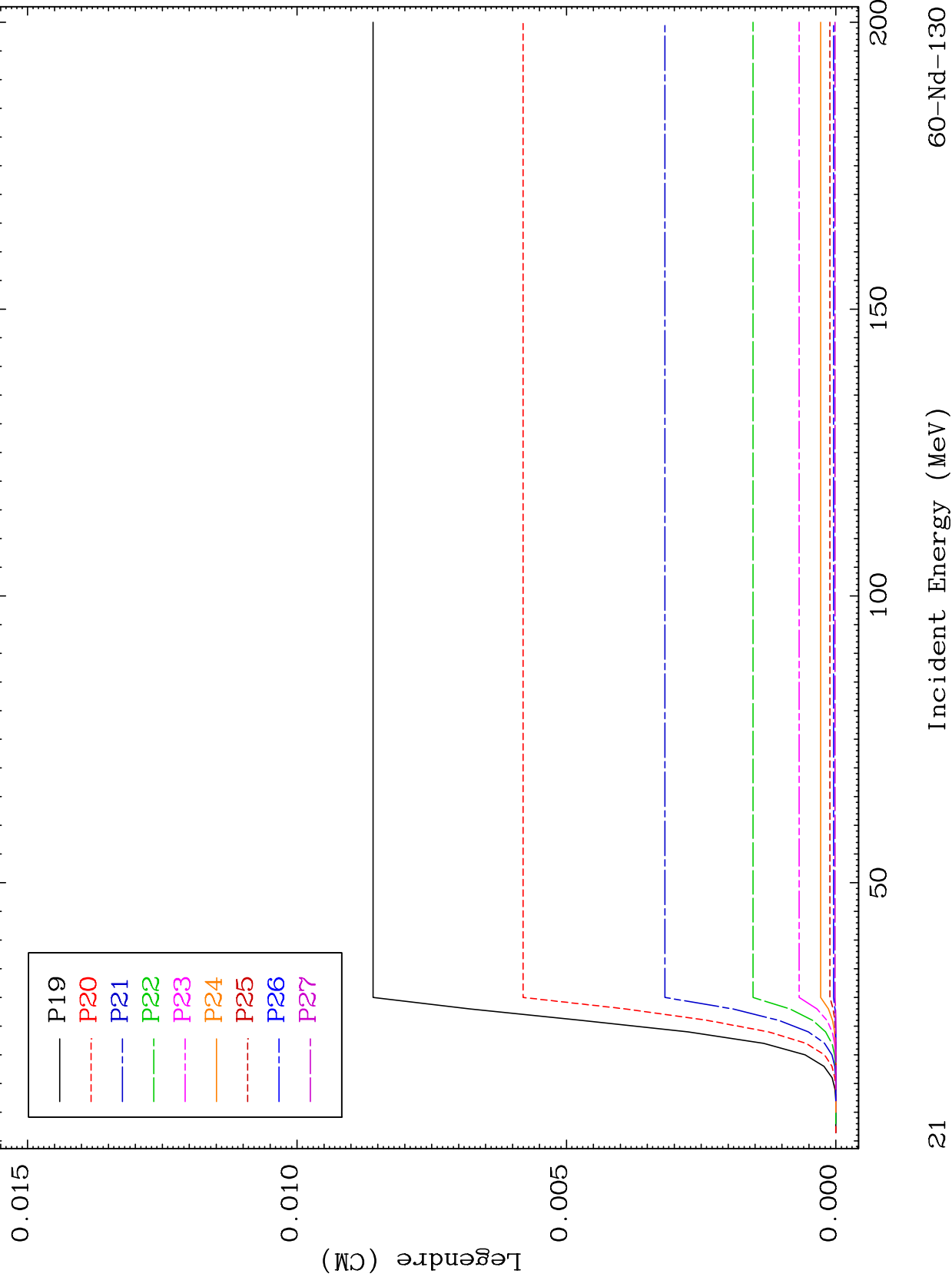
60-Nd-130

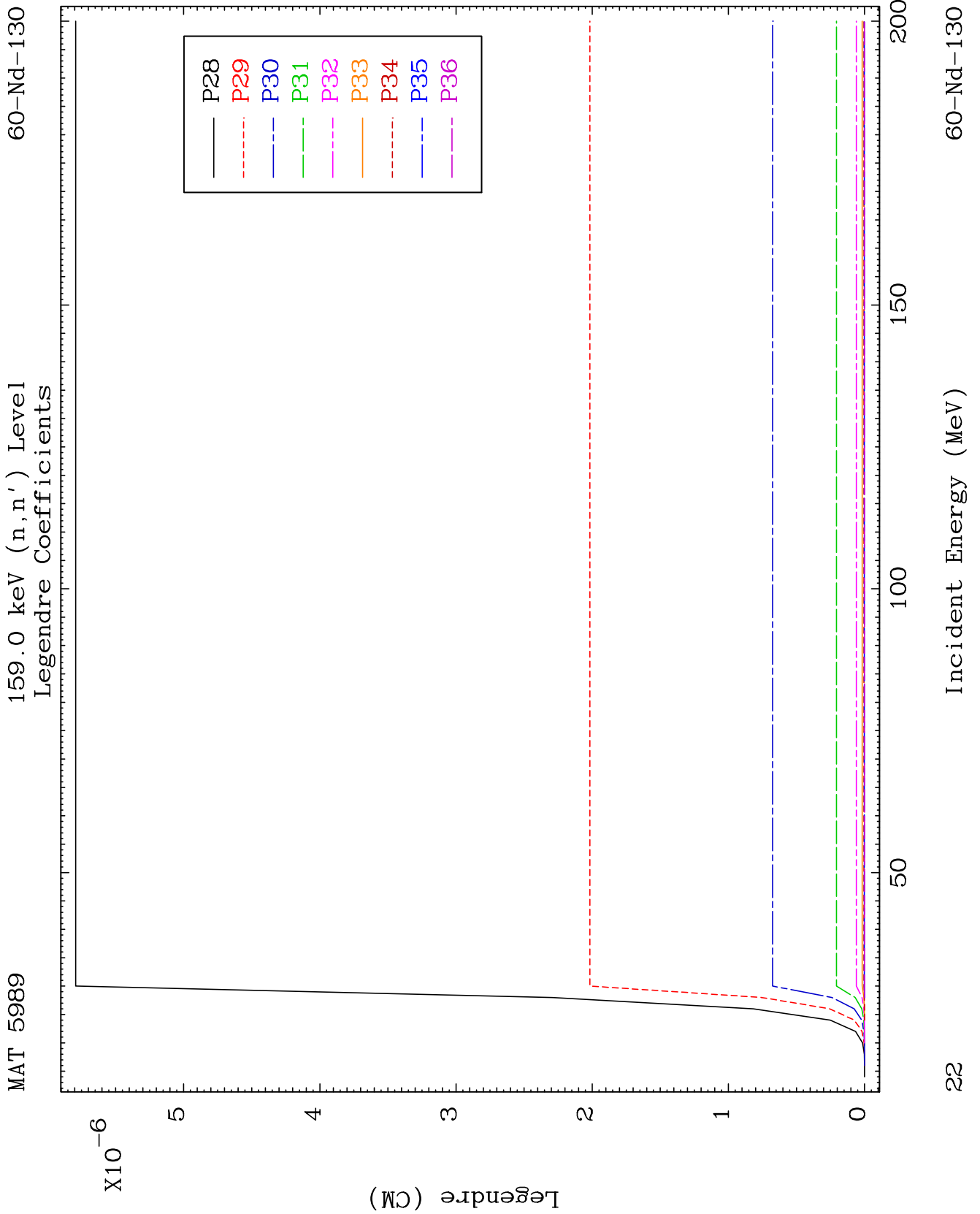


MAT 5989

159.0 keV (n,n') Level  
Legendre Coefficients

60-Nd-130

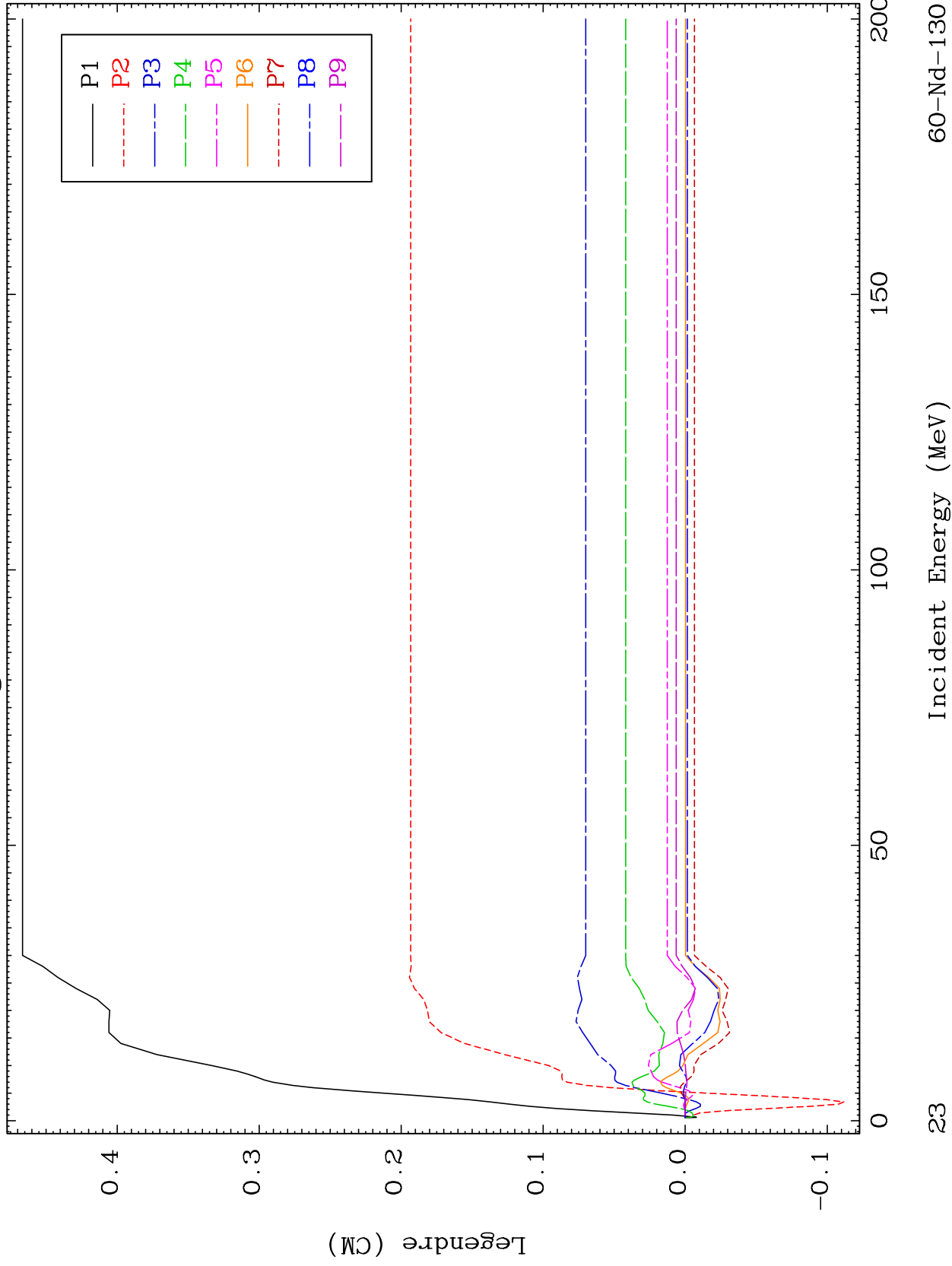




MAT 5989

485.5 keV (n,n') Level  
Legendre Coefficients

60-Nd-130



60-Nd-130

Incident Energy (MeV)

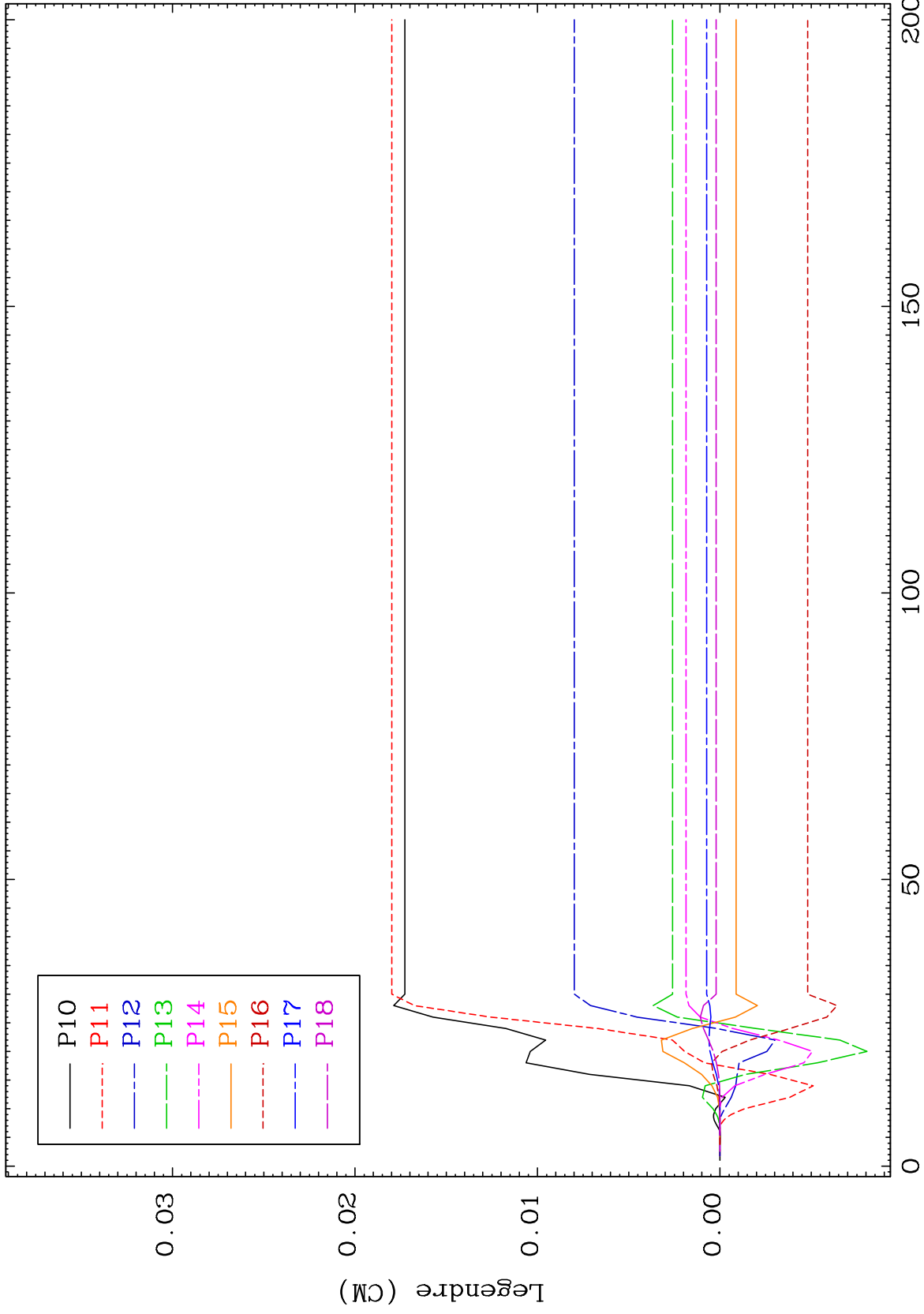
23



MAT 5989

485.5 keV (n, n') Level  
Legendre Coefficients

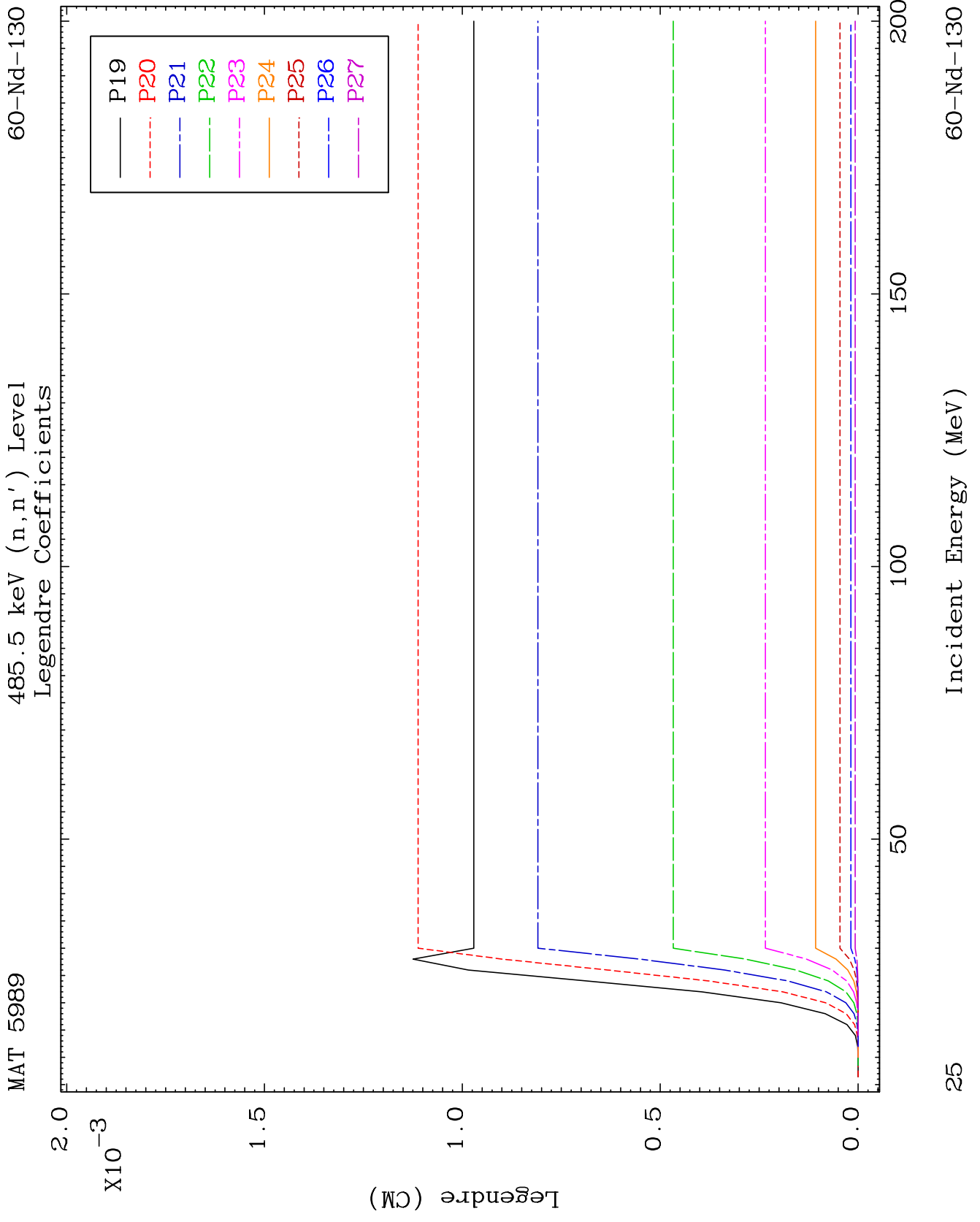
60-Nd-130

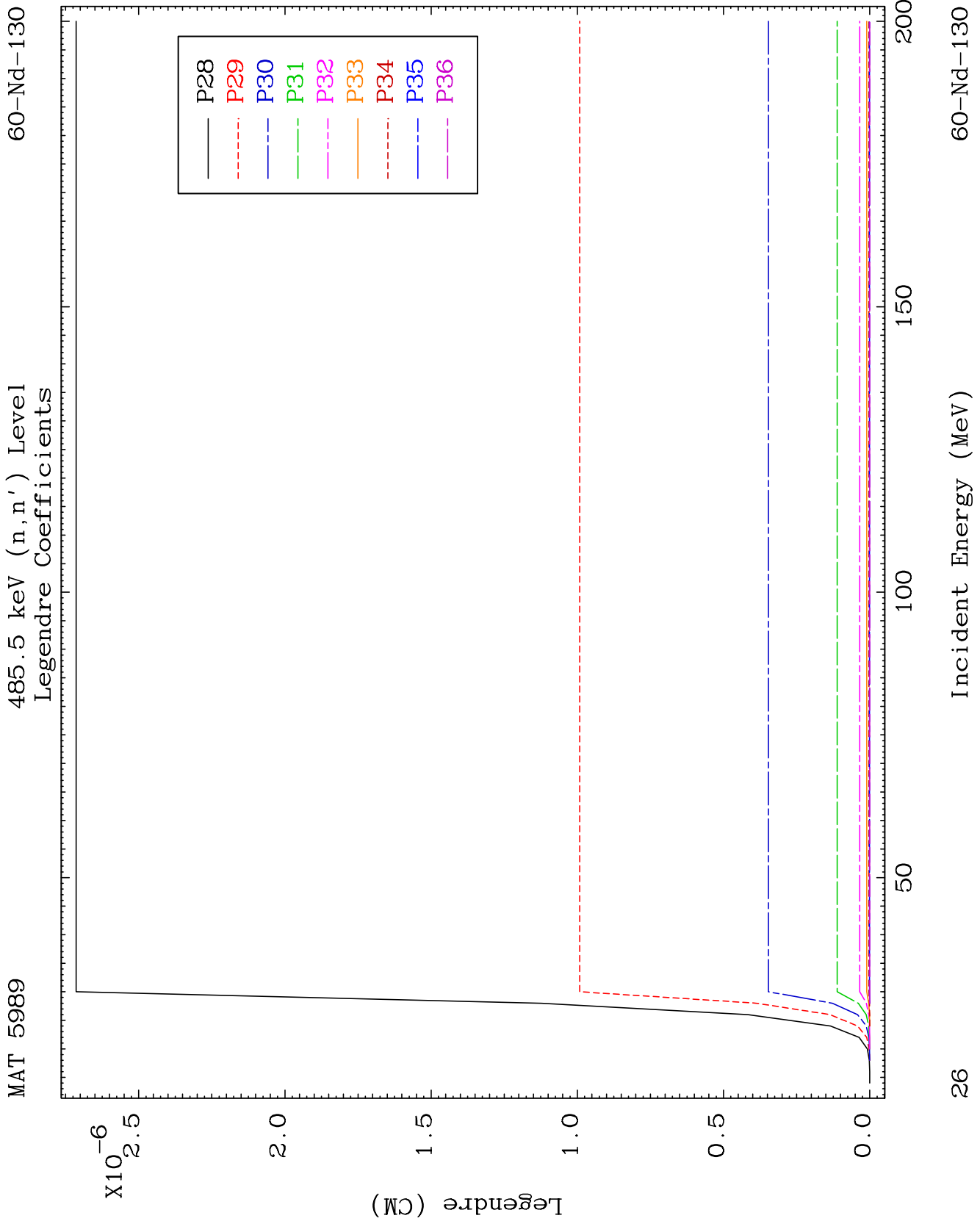


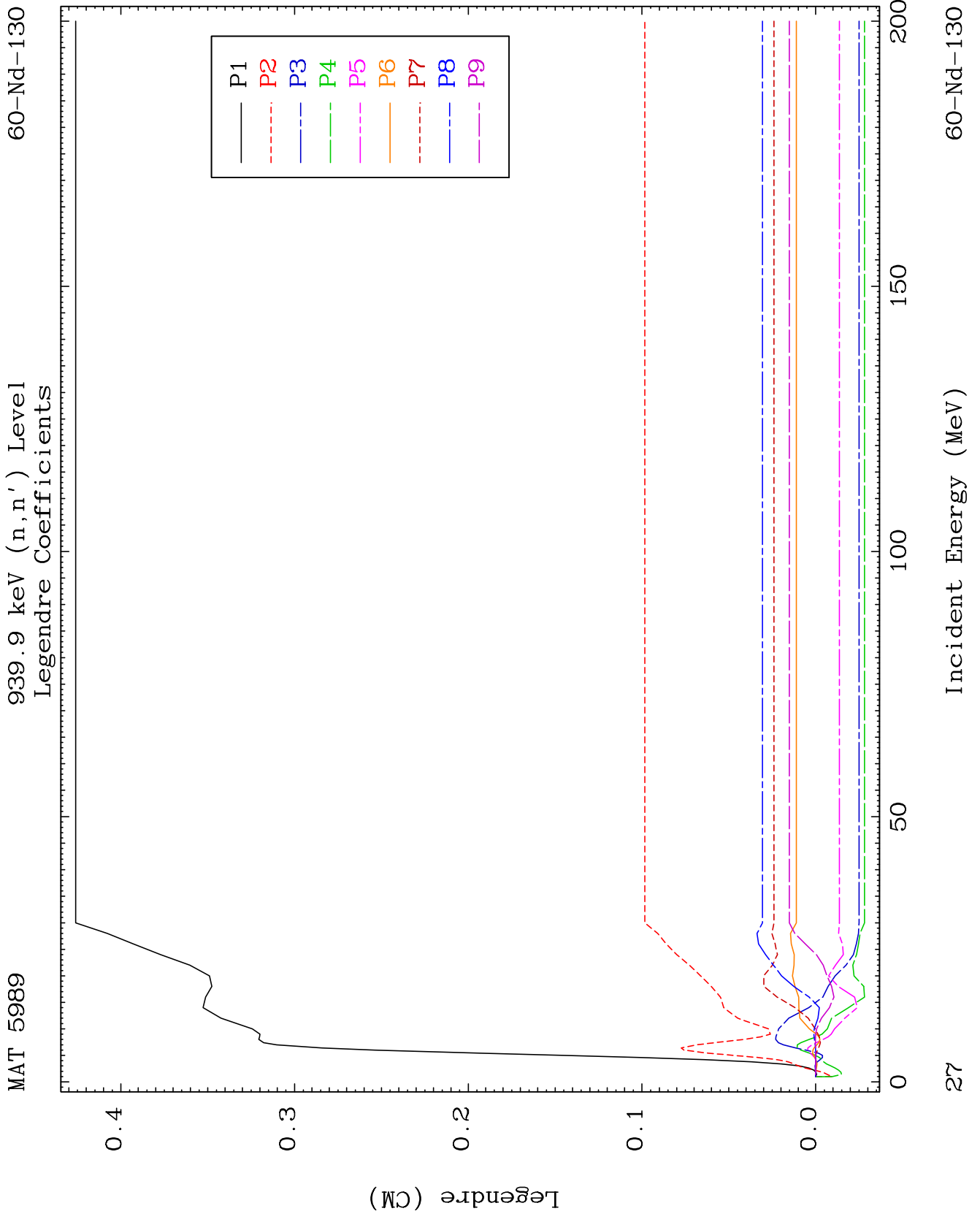
24

Incident Energy (MeV)

60-Nd-130



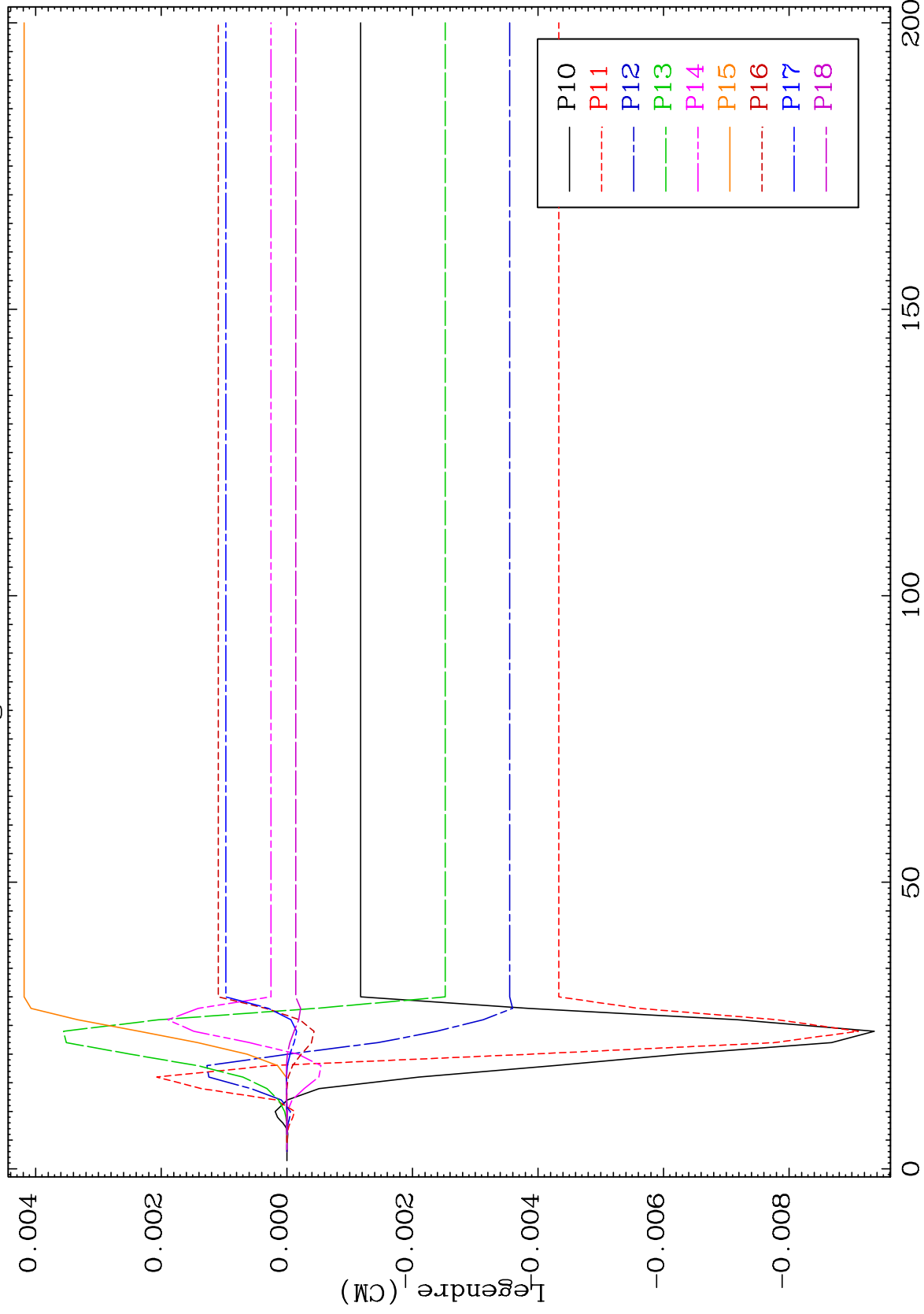




MAT 5989

939.9 keV (n,n') Level  
Legendre Coefficients

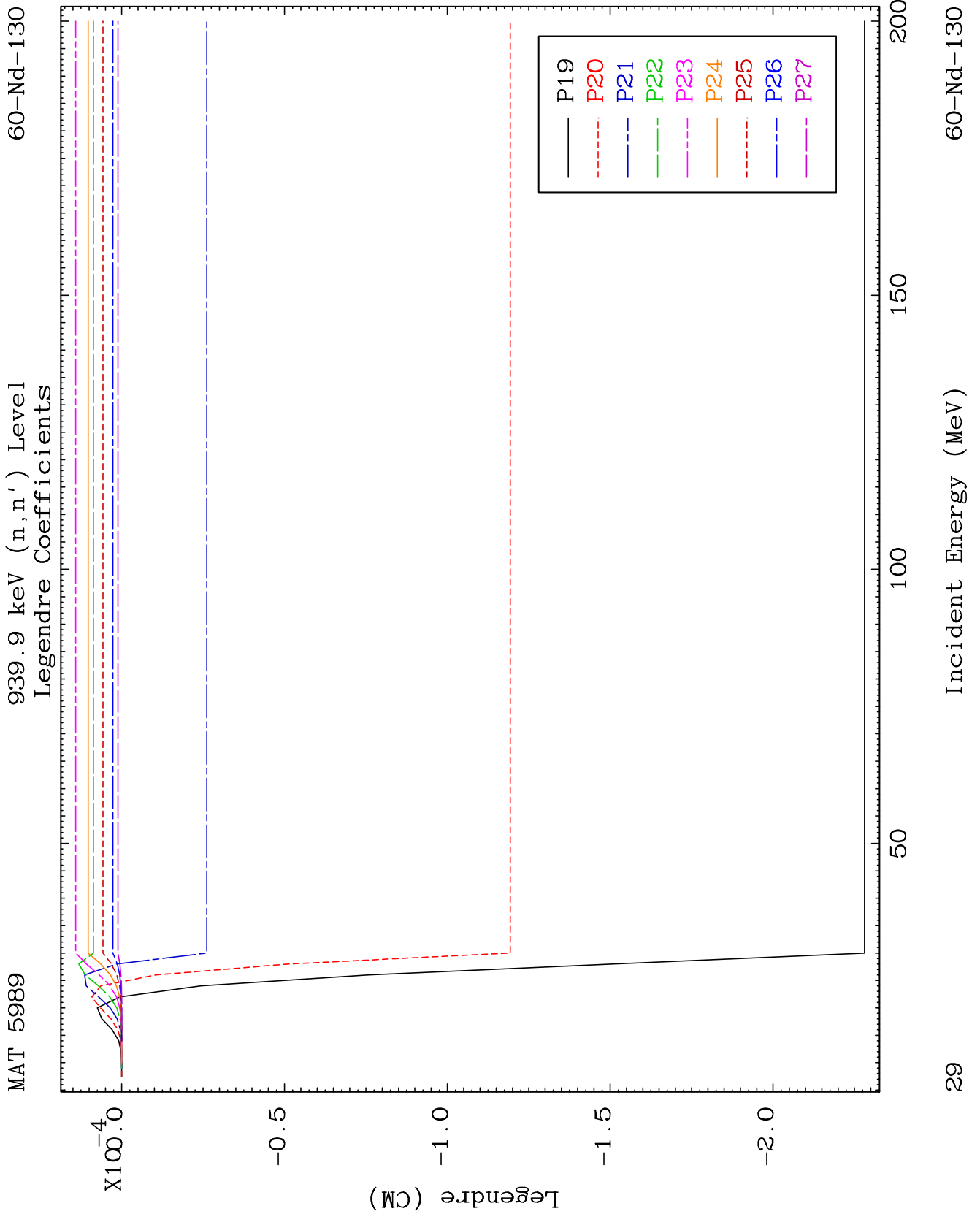
60-Nd-130



28

Incident Energy (MeV)

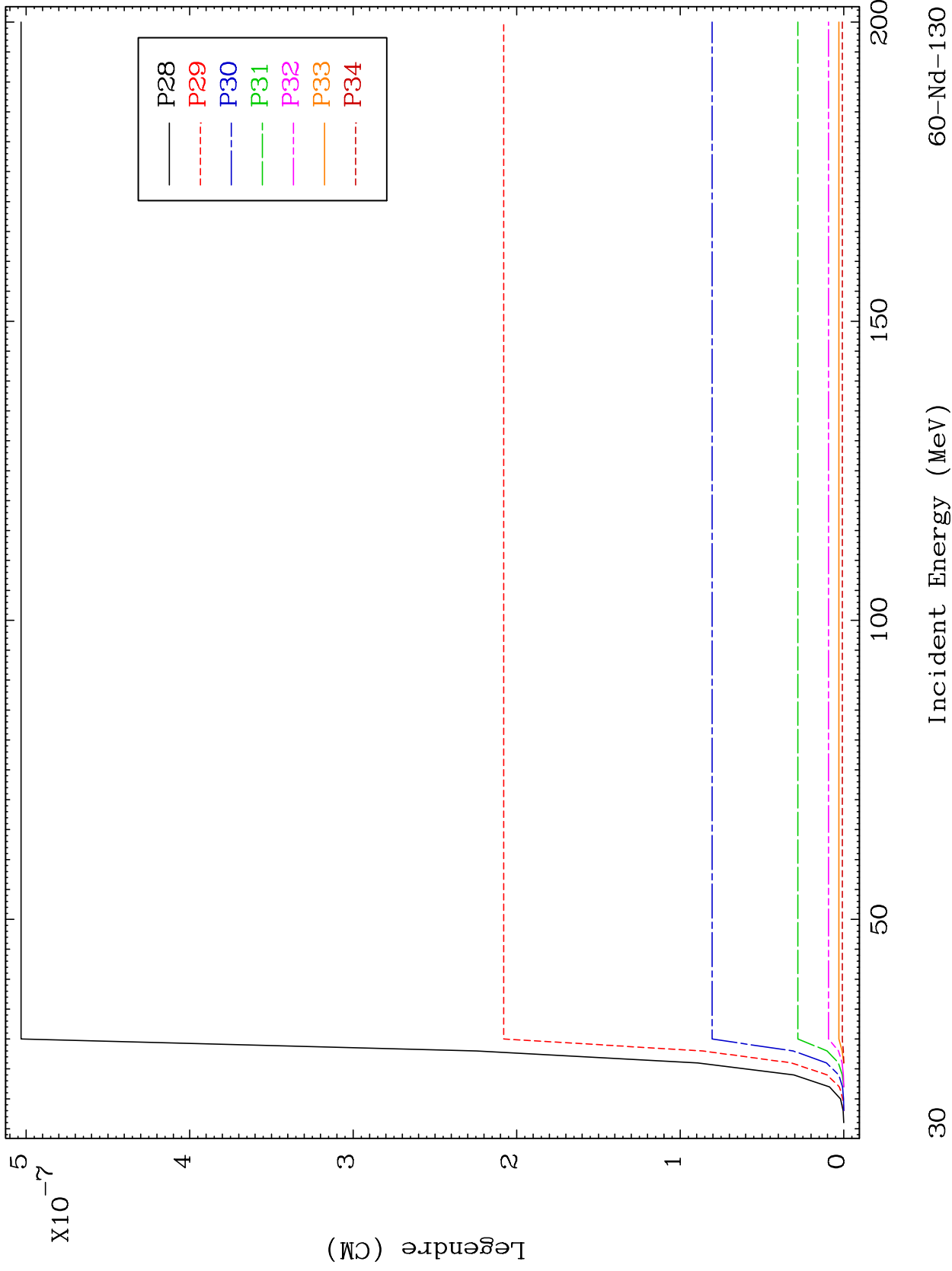
60-Nd-130



MAT 5989

939.9 keV (n,n') Level  
Legendre Coefficients

60-Nd-130



60-Nd-130

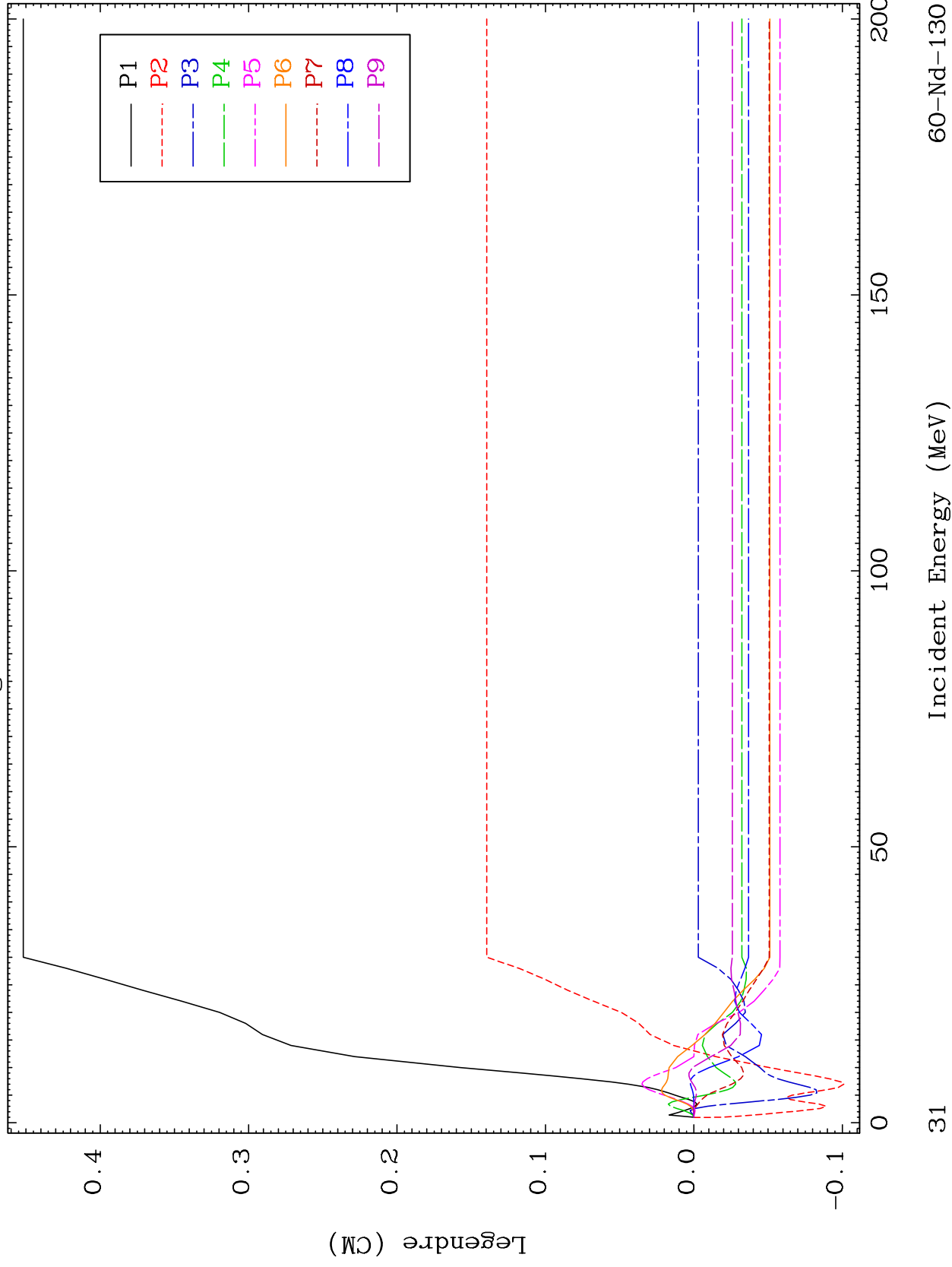
Incident Energy (MeV)

30

MAT 5989

946.4 keV (n,n') Level  
Legendre Coefficients

60-Nd-130

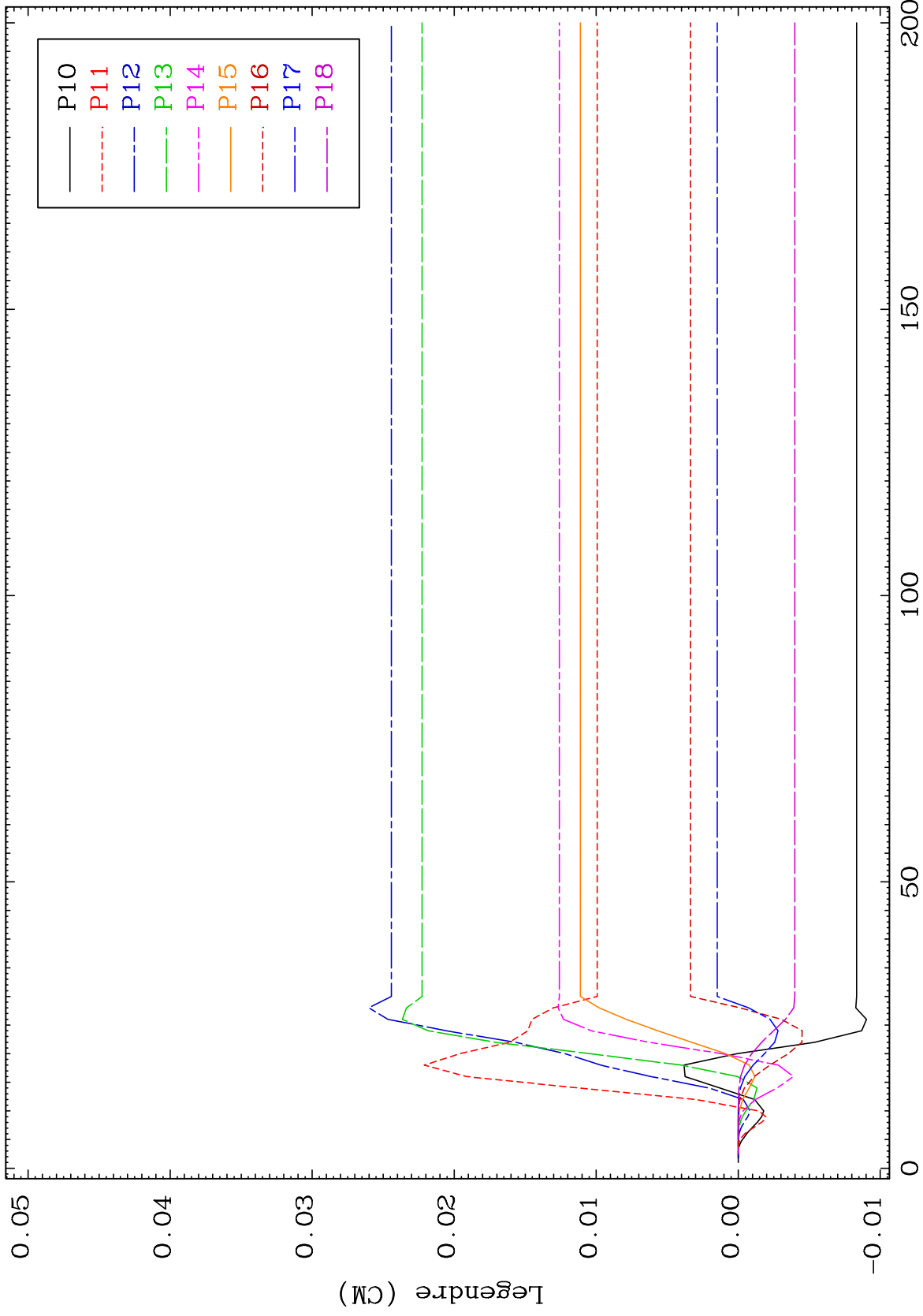




MAT 5989

946.4 keV (n,n') Level  
Legendre Coefficients

60-Nd-130



32

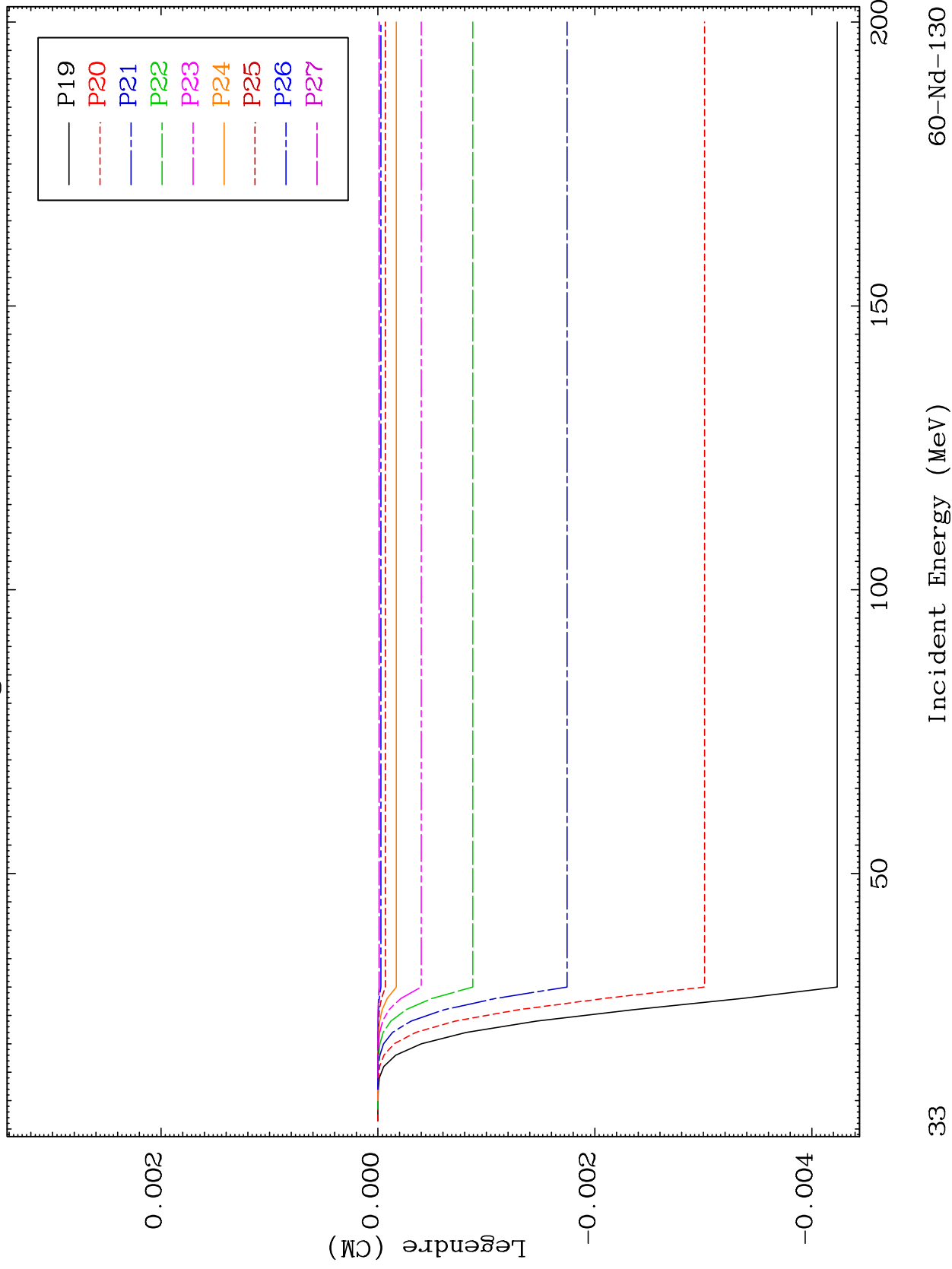
Incident Energy (MeV)

60-Nd-130

MAT 5989

946.4 keV (n,n') Level  
Legendre Coefficients

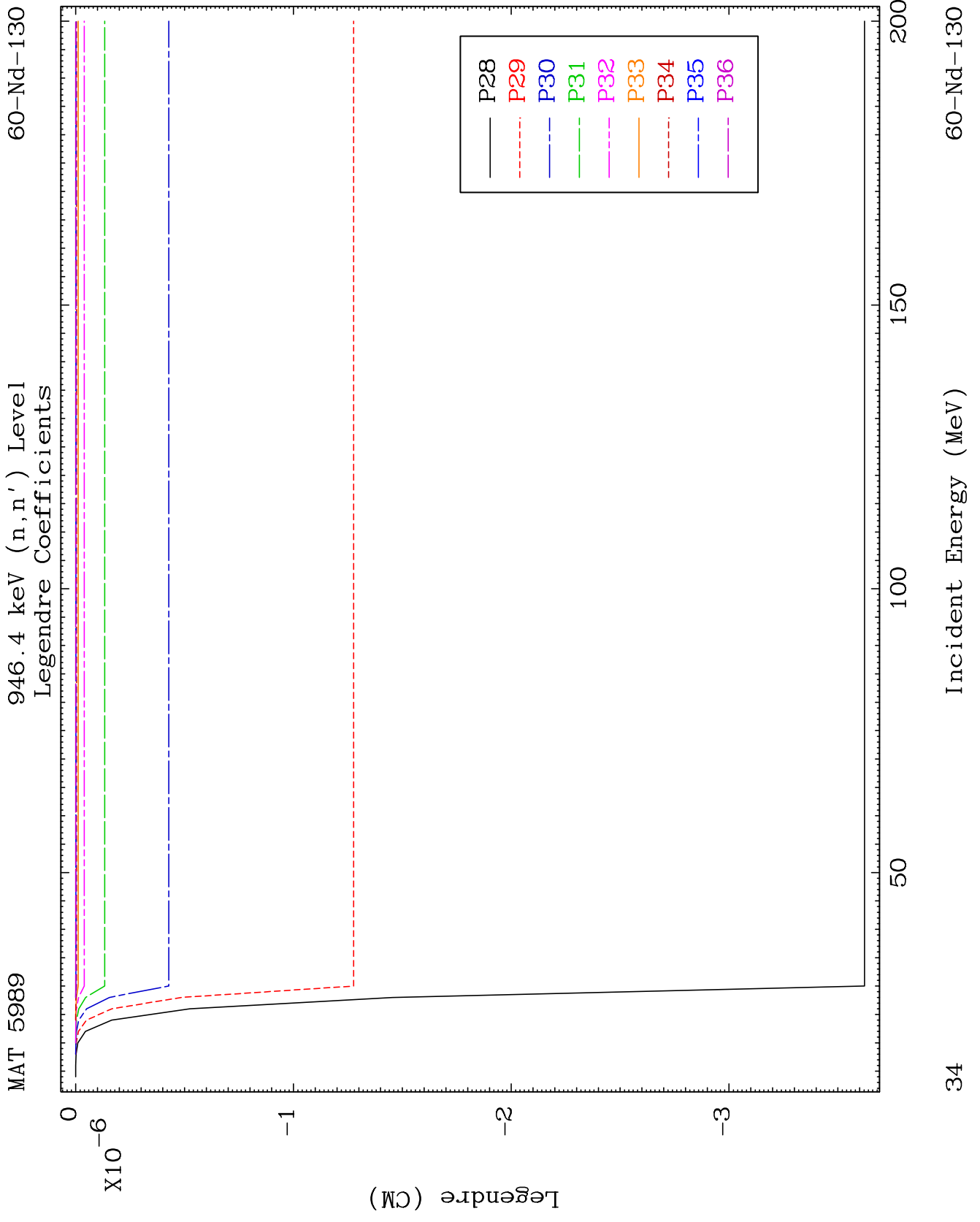
60-Nd-130



33

Incident Energy (MeV)

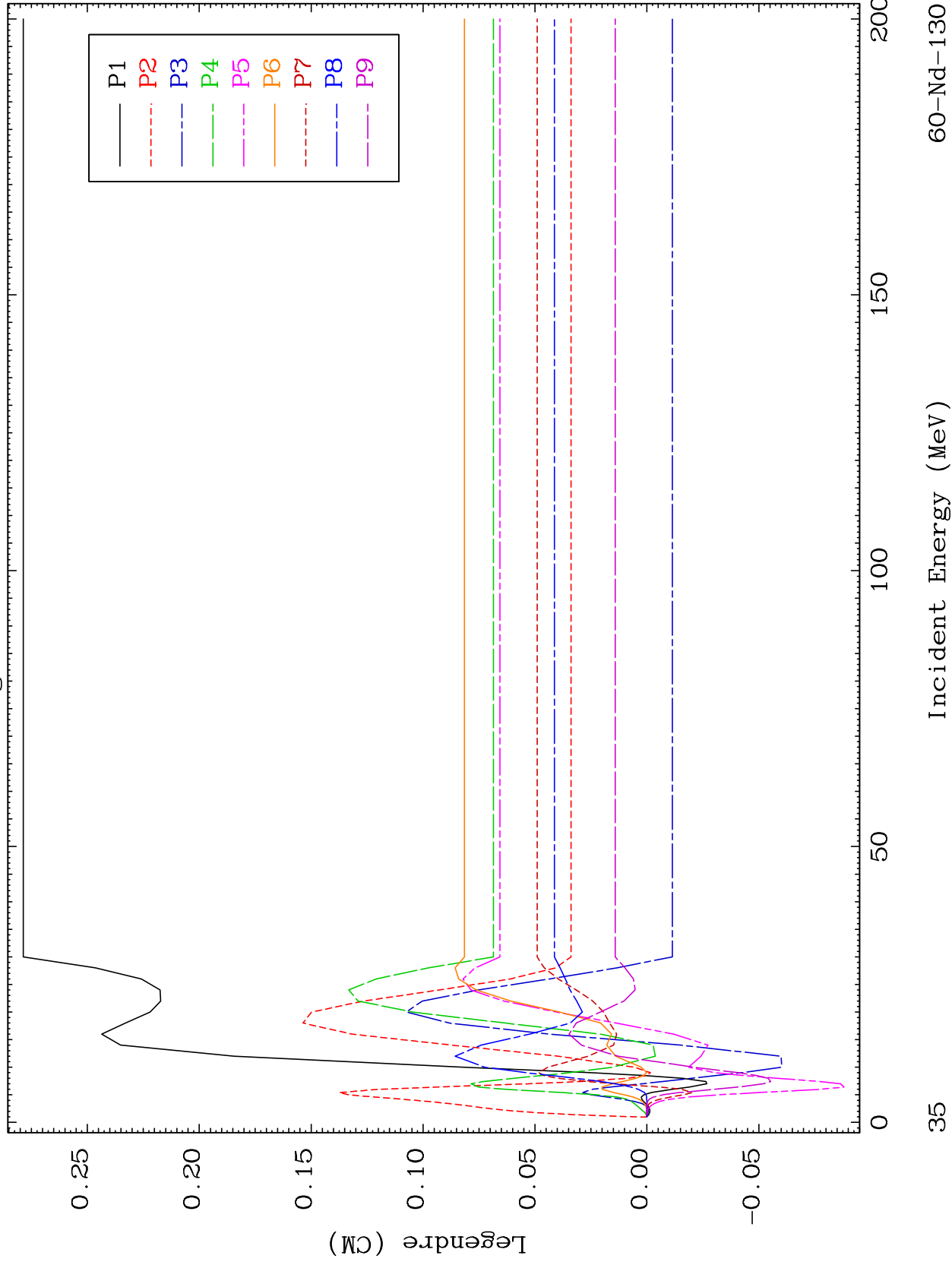
60-Nd-130



MAT 5989

952.4 keV (n,n') Level  
Legendre Coefficients

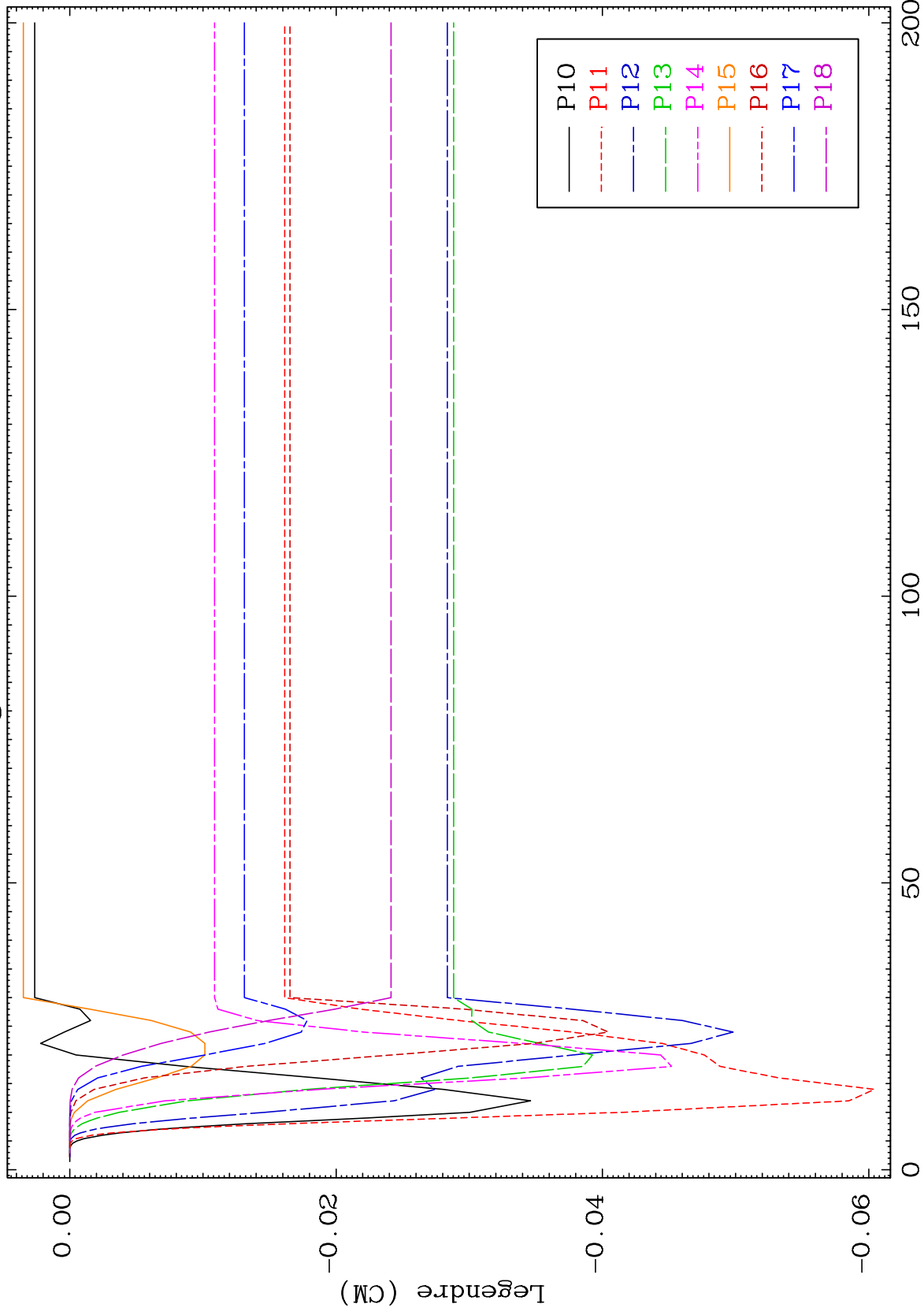
60-Nd-130



MAT 5989

952.4 keV (n,n') Level  
Legendre Coefficients

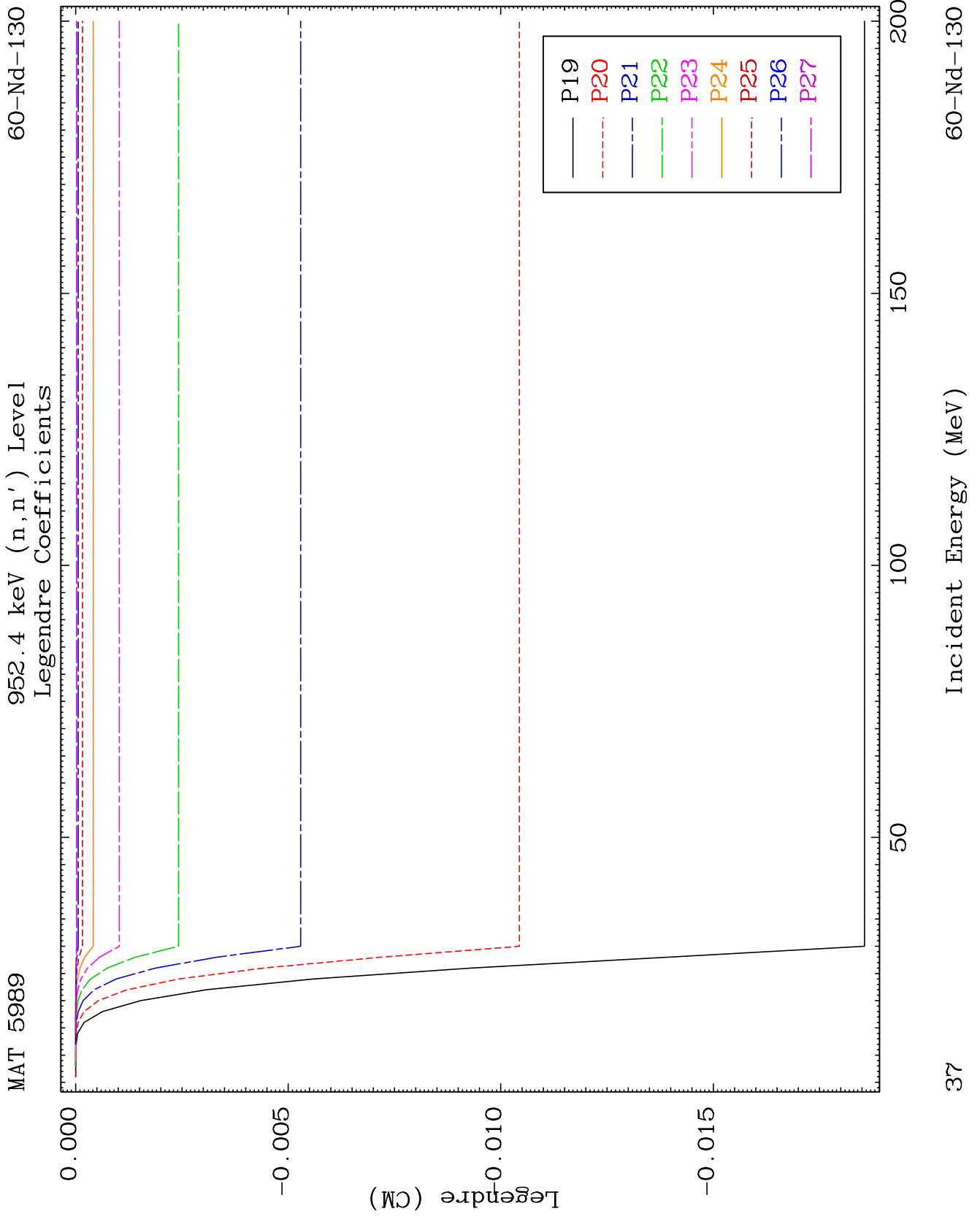
60-Nd-130

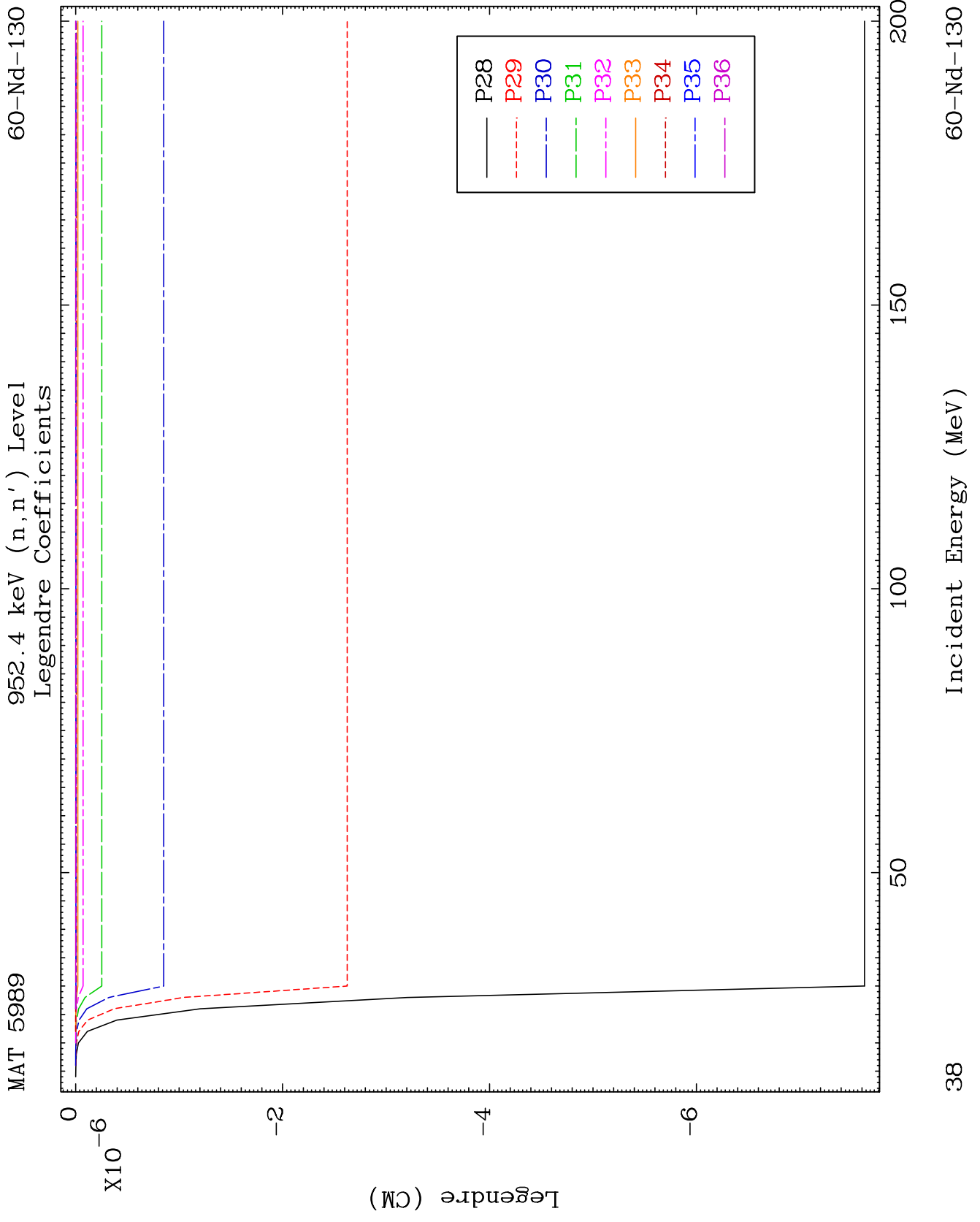


36

Incident Energy (MeV)

60-Nd-130

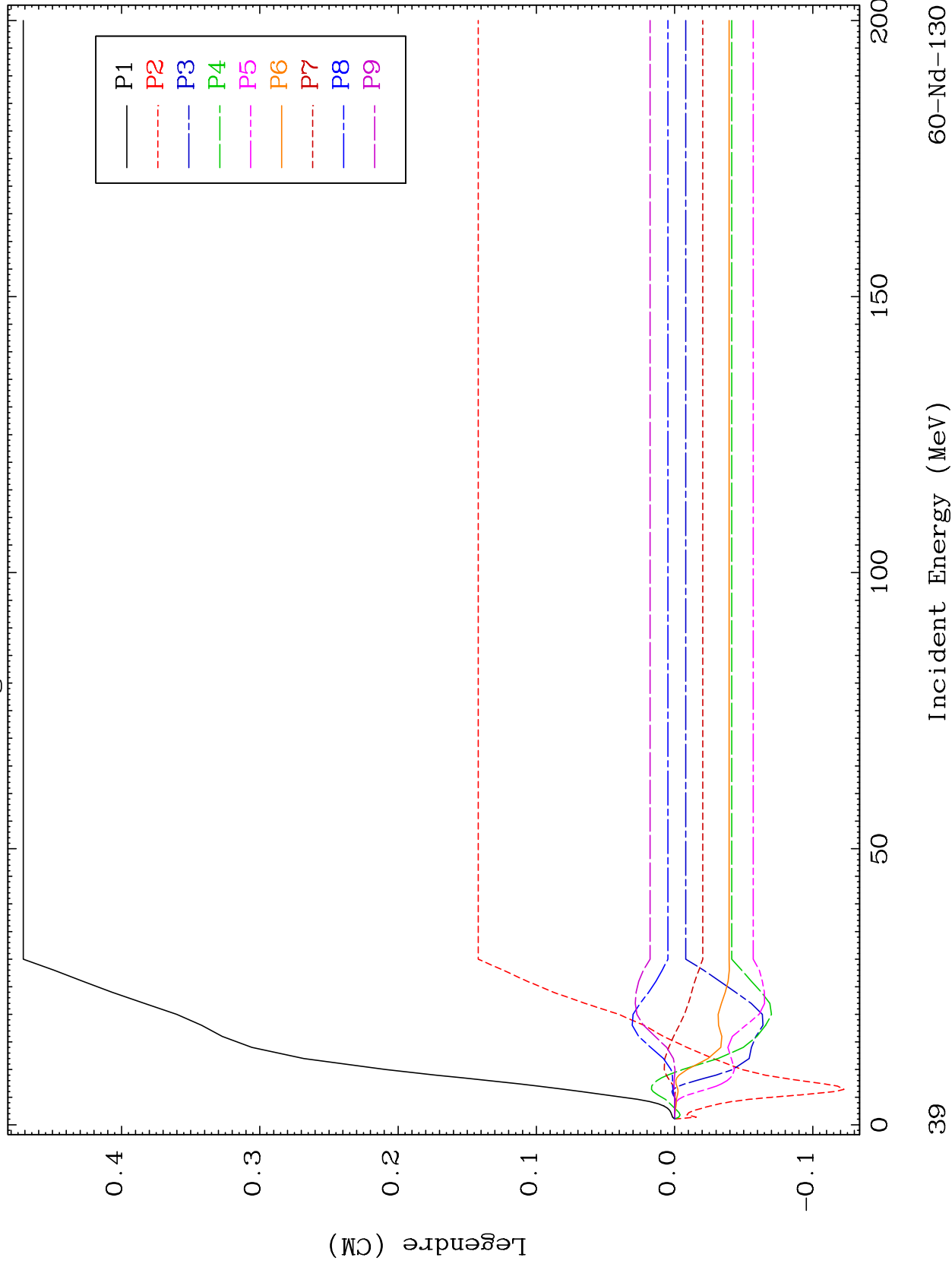




MAT 5989

1.033 MeV (n,n') Level  
Legendre Coefficients

60-Nd-130



39

Incident Energy (MeV)

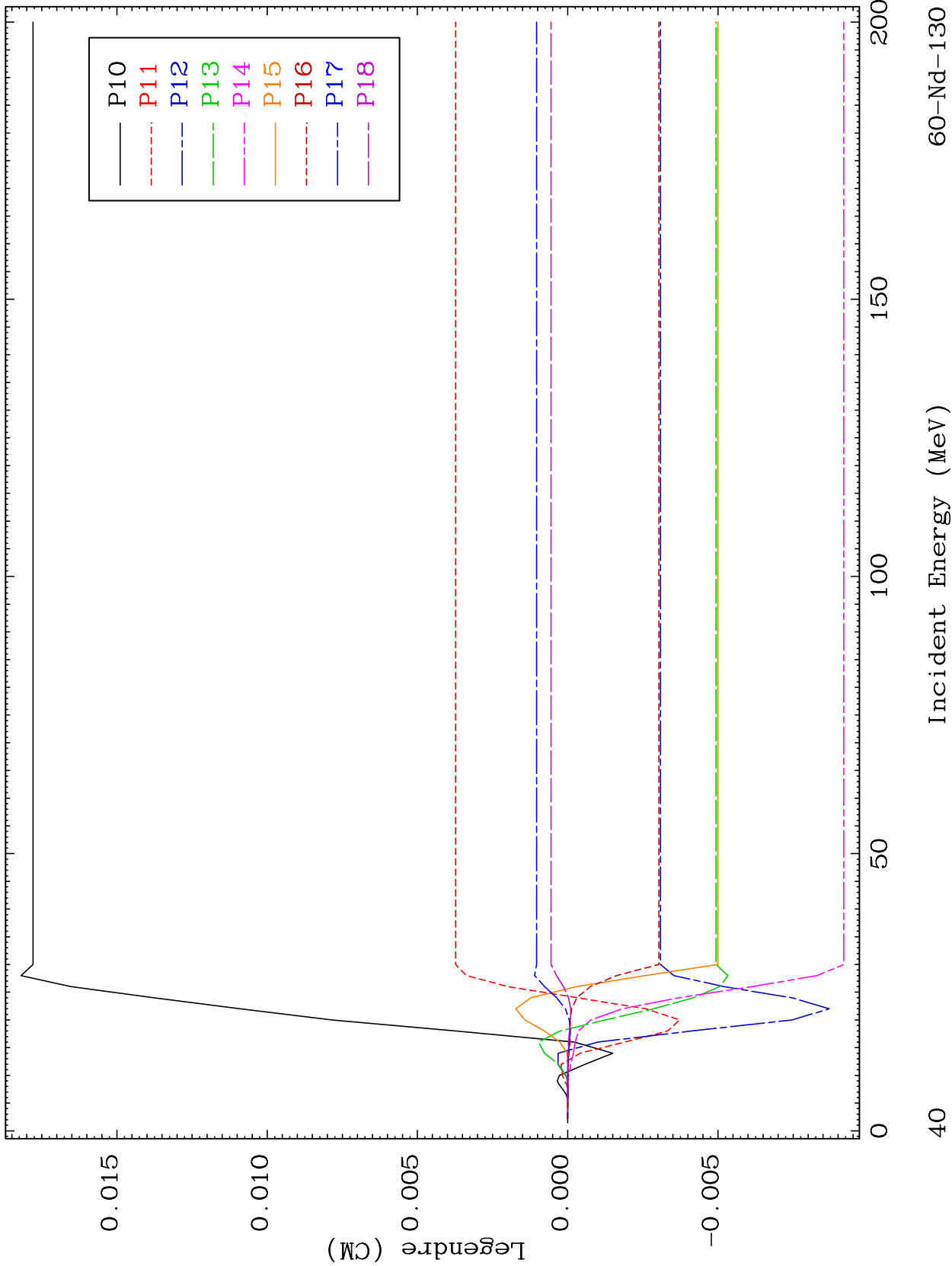
60-Nd-130



MAT 5989

1.033 MeV (n,n') Level  
Legendre Coefficients

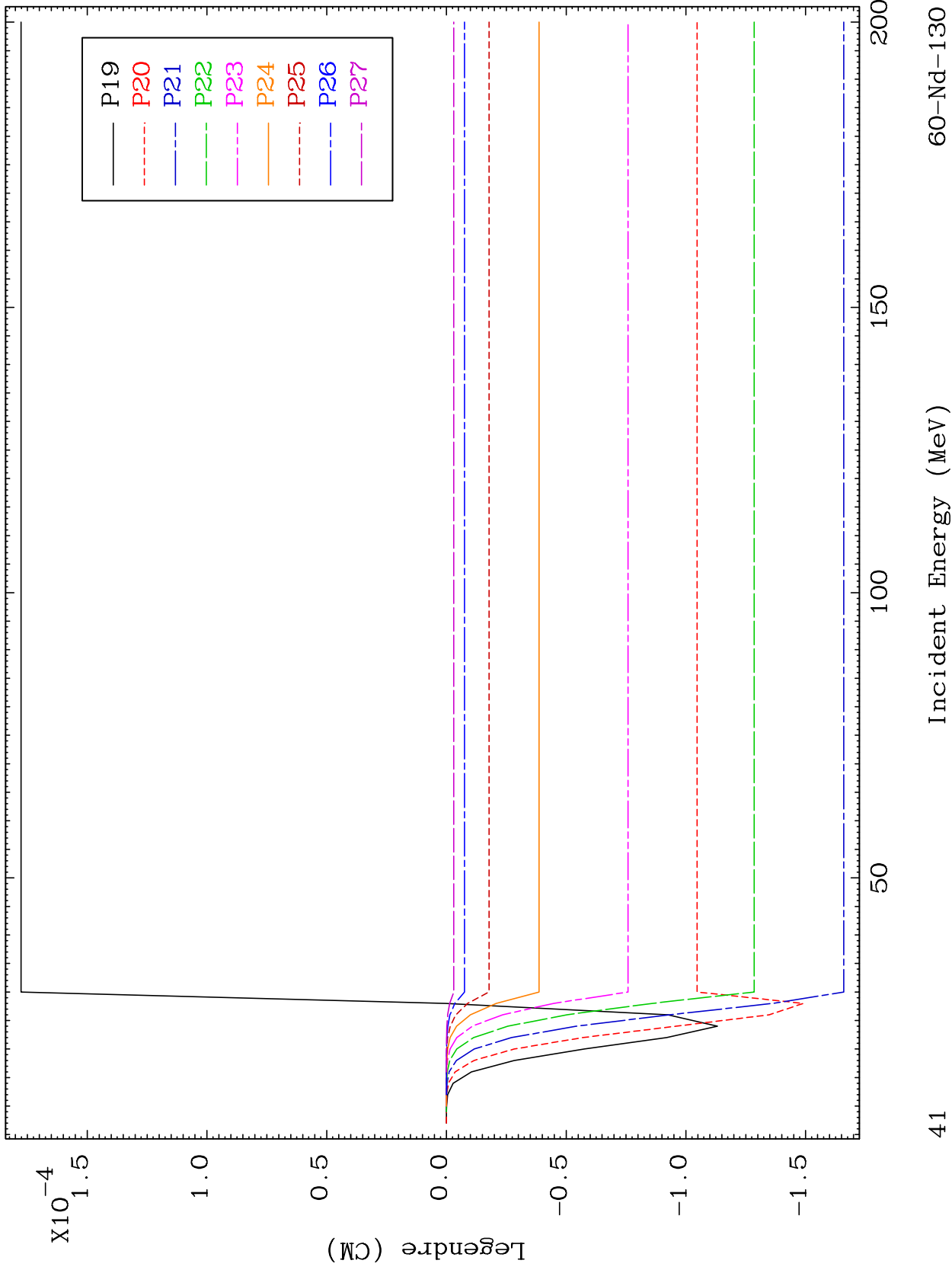
60-Nd-130

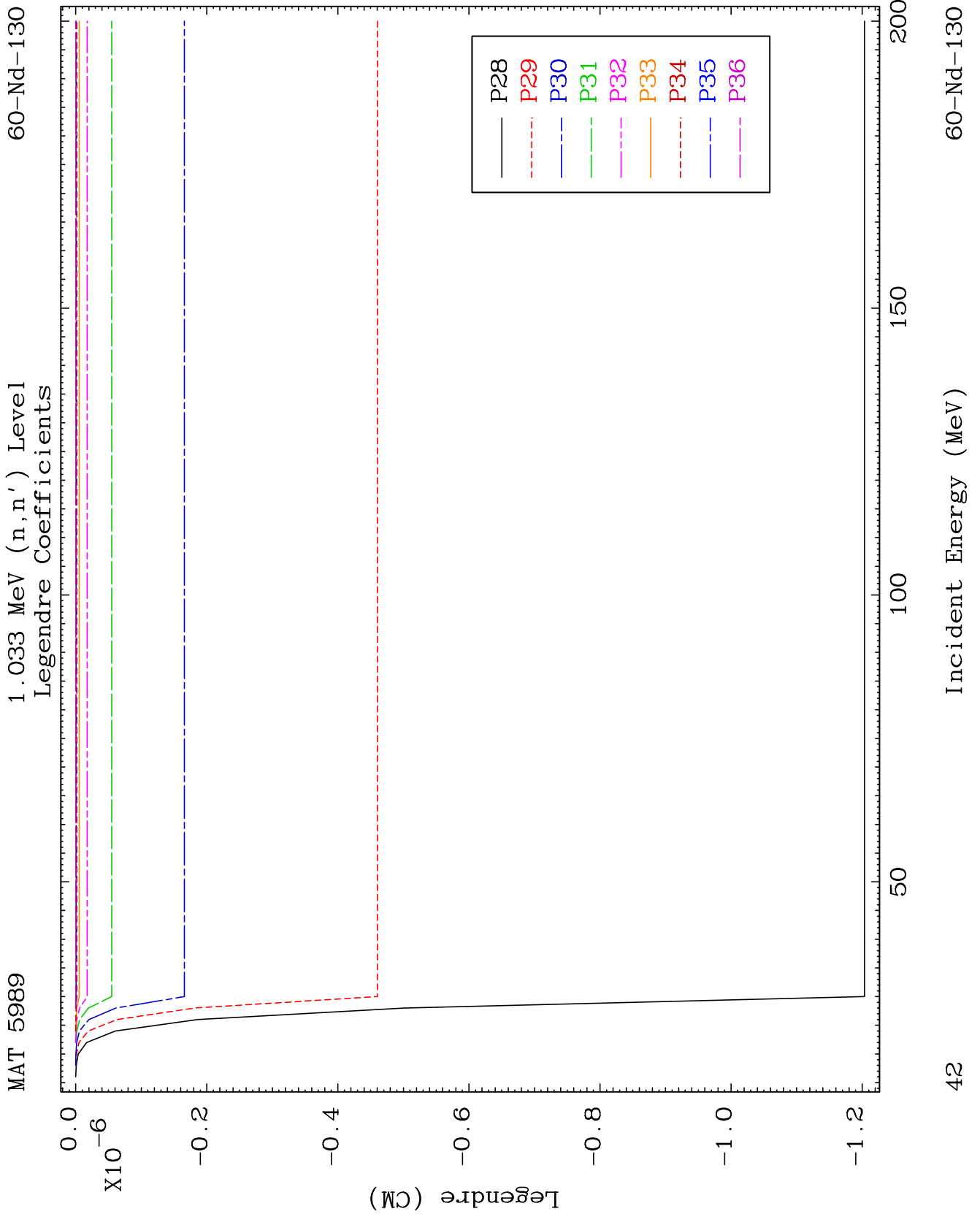


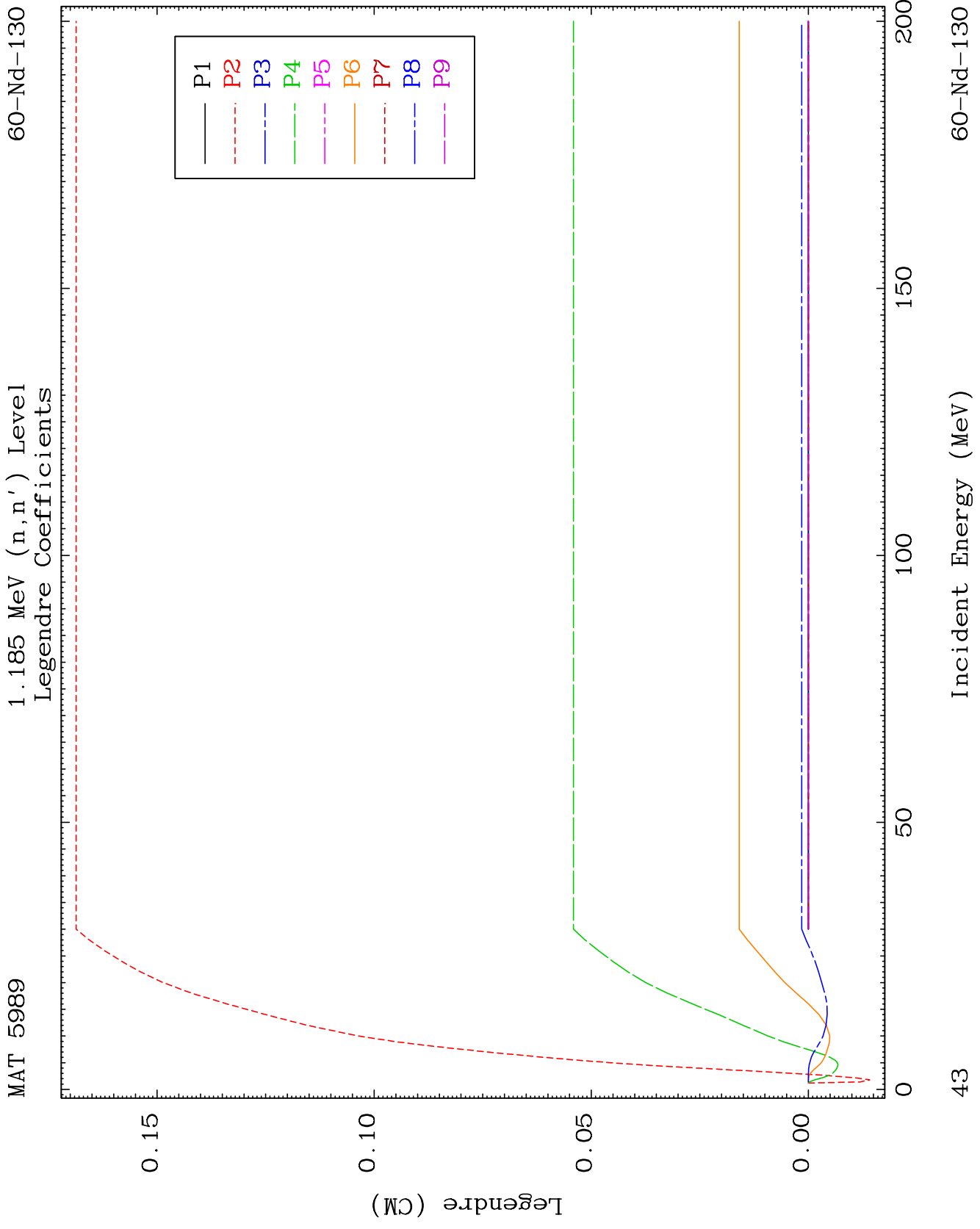
60-Nd-130

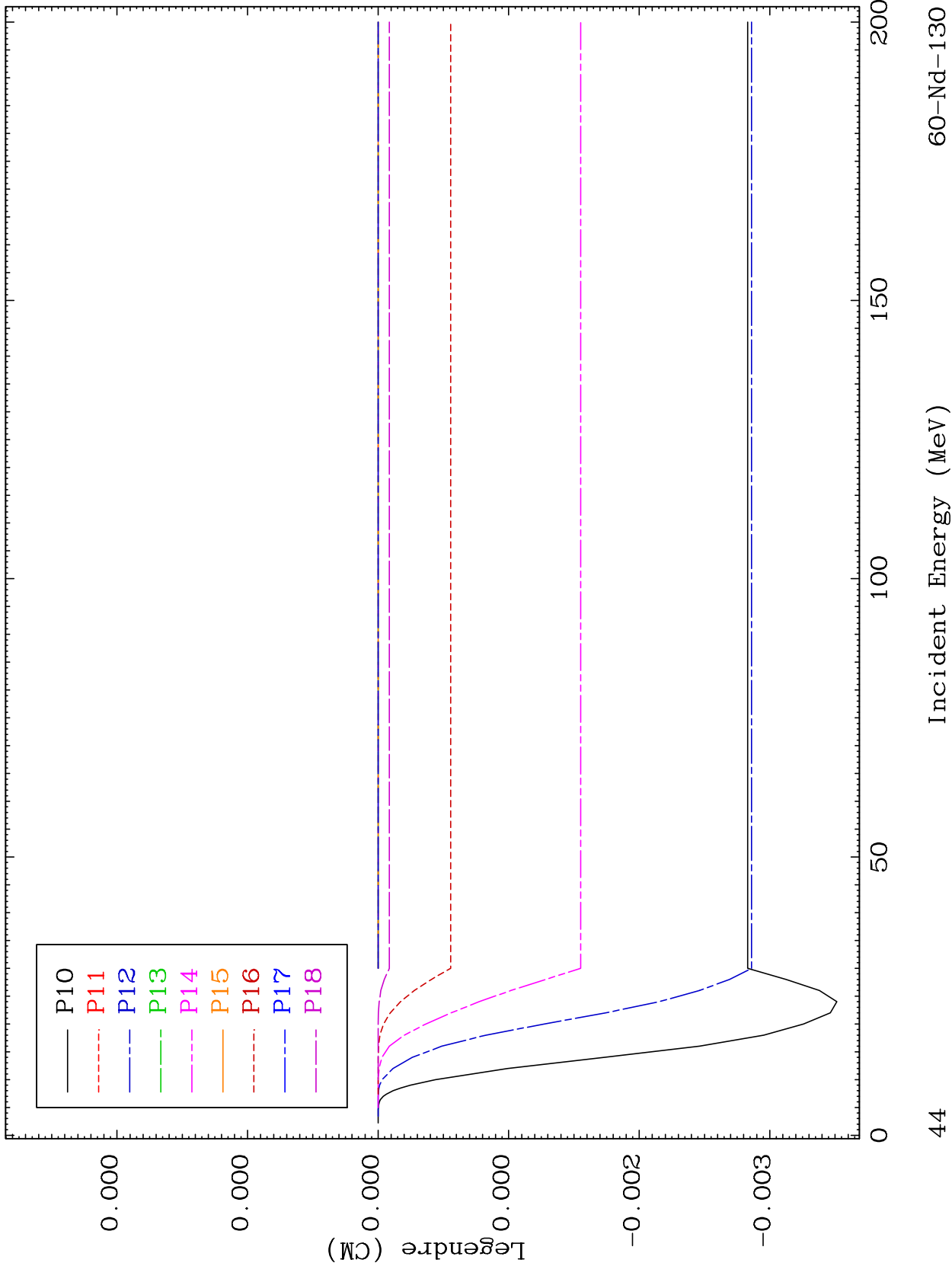
Incident Energy (MeV)

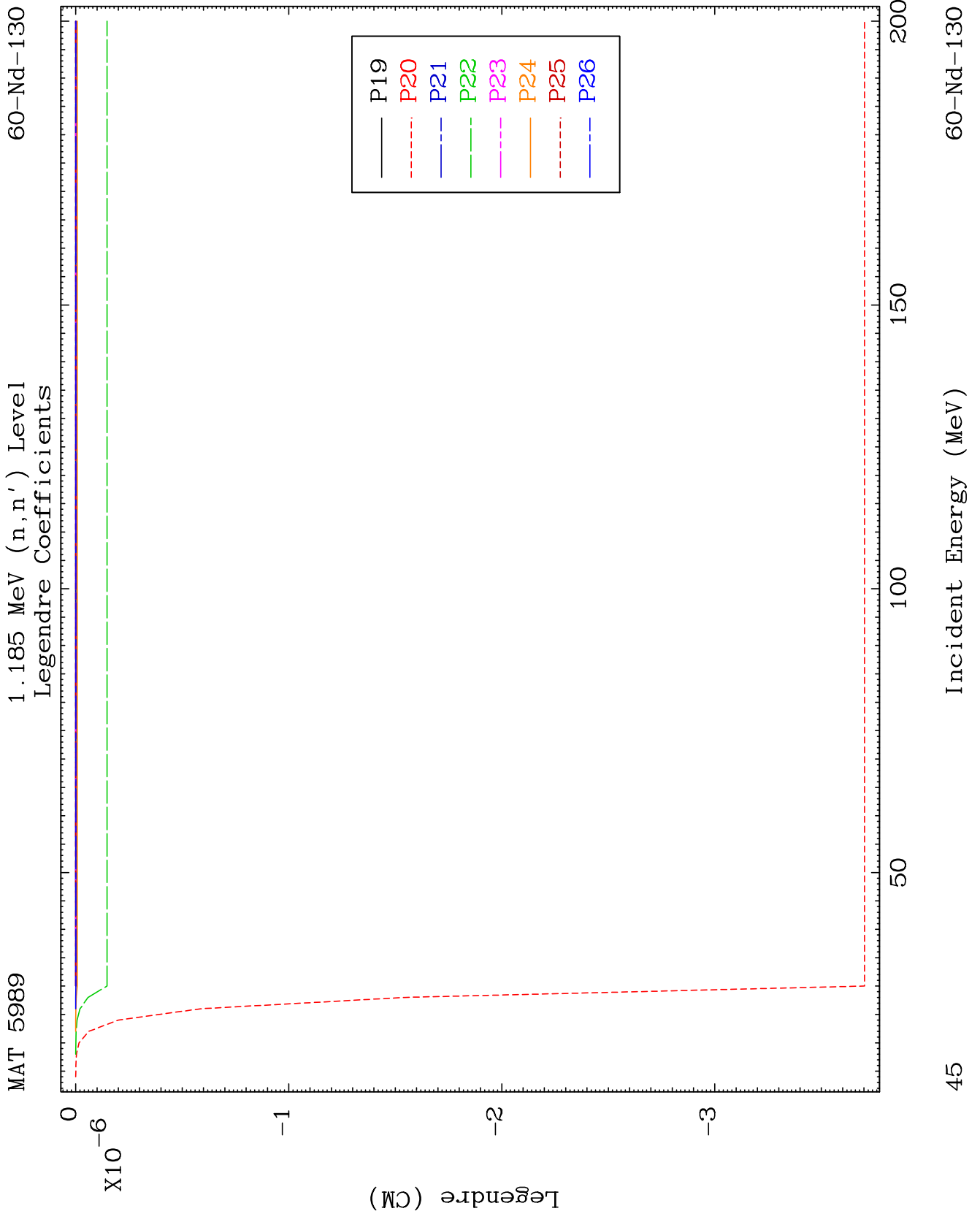
40









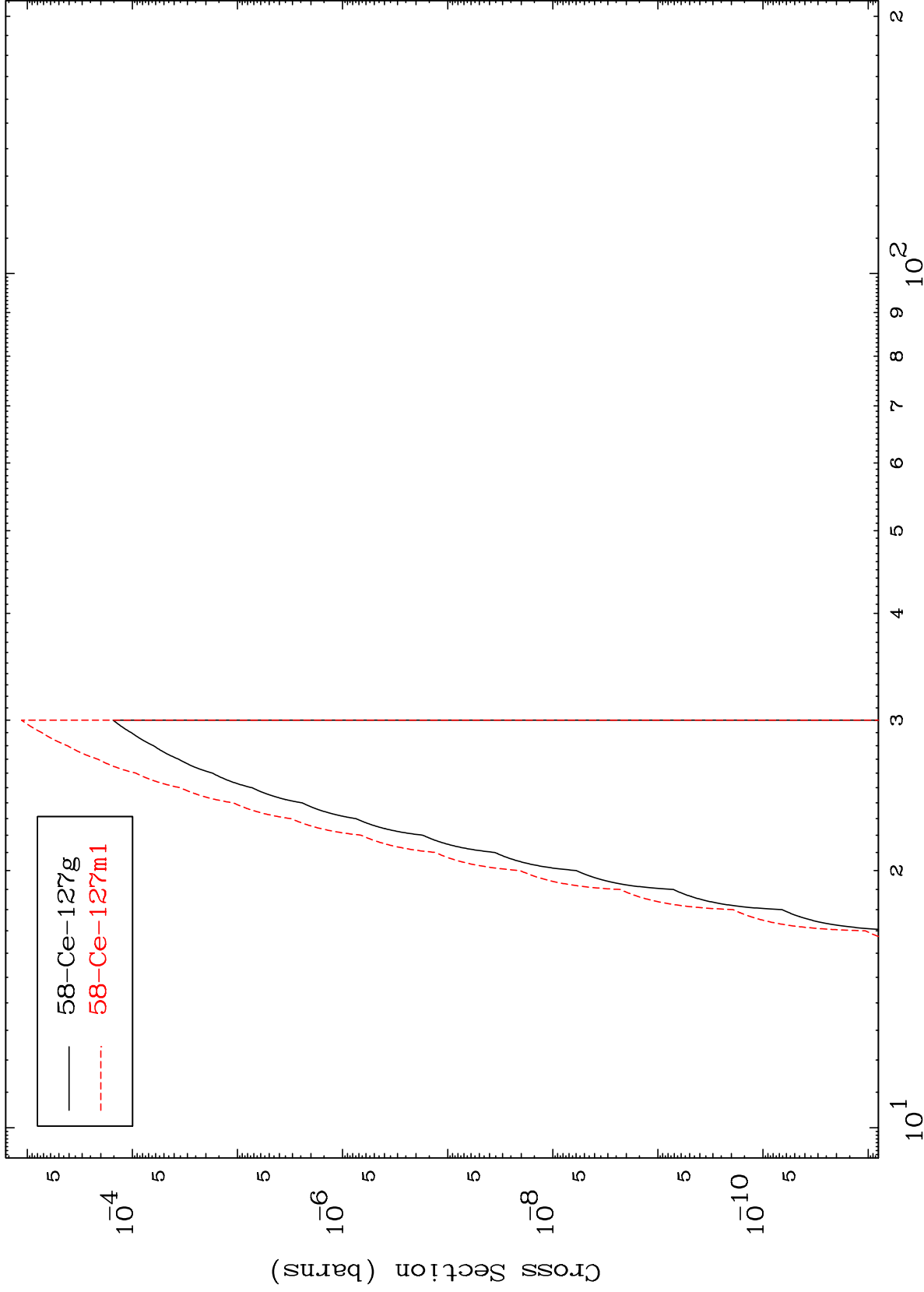


MAT 5989

(n,n') He-3

60-Nd-130

Radionuclide Production Cross Section



46

Incident Energy (MeV)

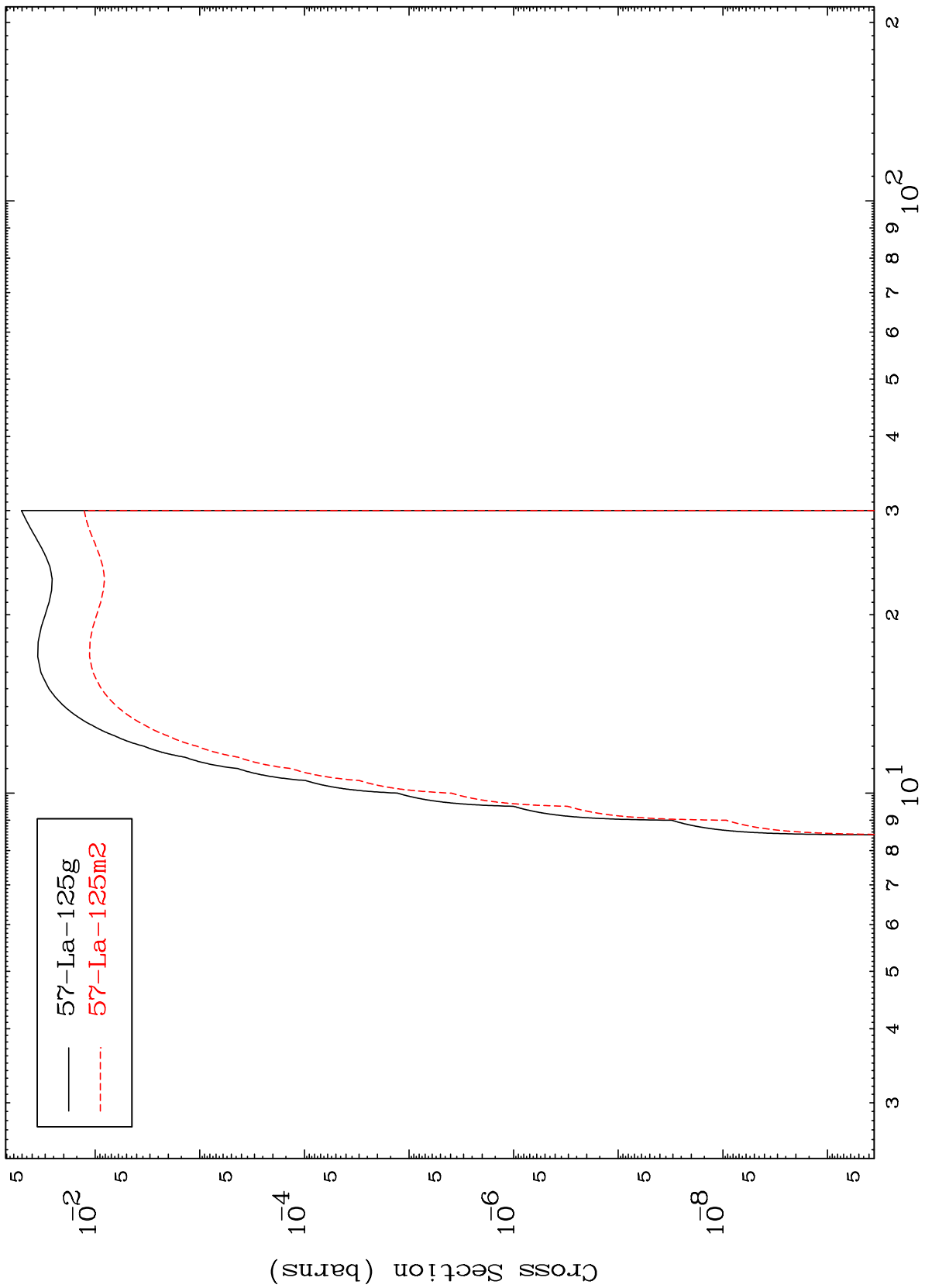
60-Nd-130

MAT 5989

(n,n') p  $\alpha$

60-Nd-130

Radionuclide Production Cross Section

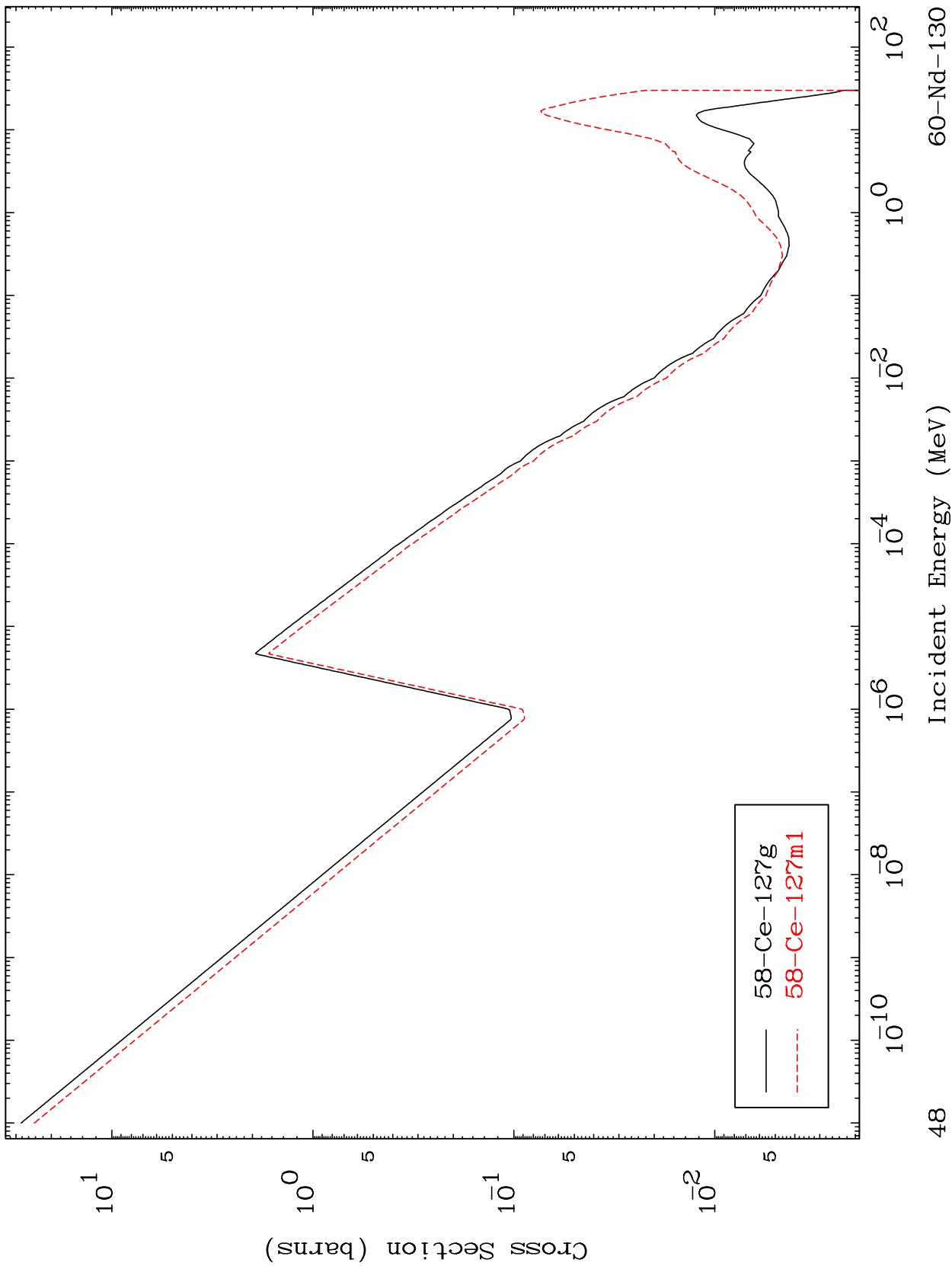




MAT 5989

60-Nd-130

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

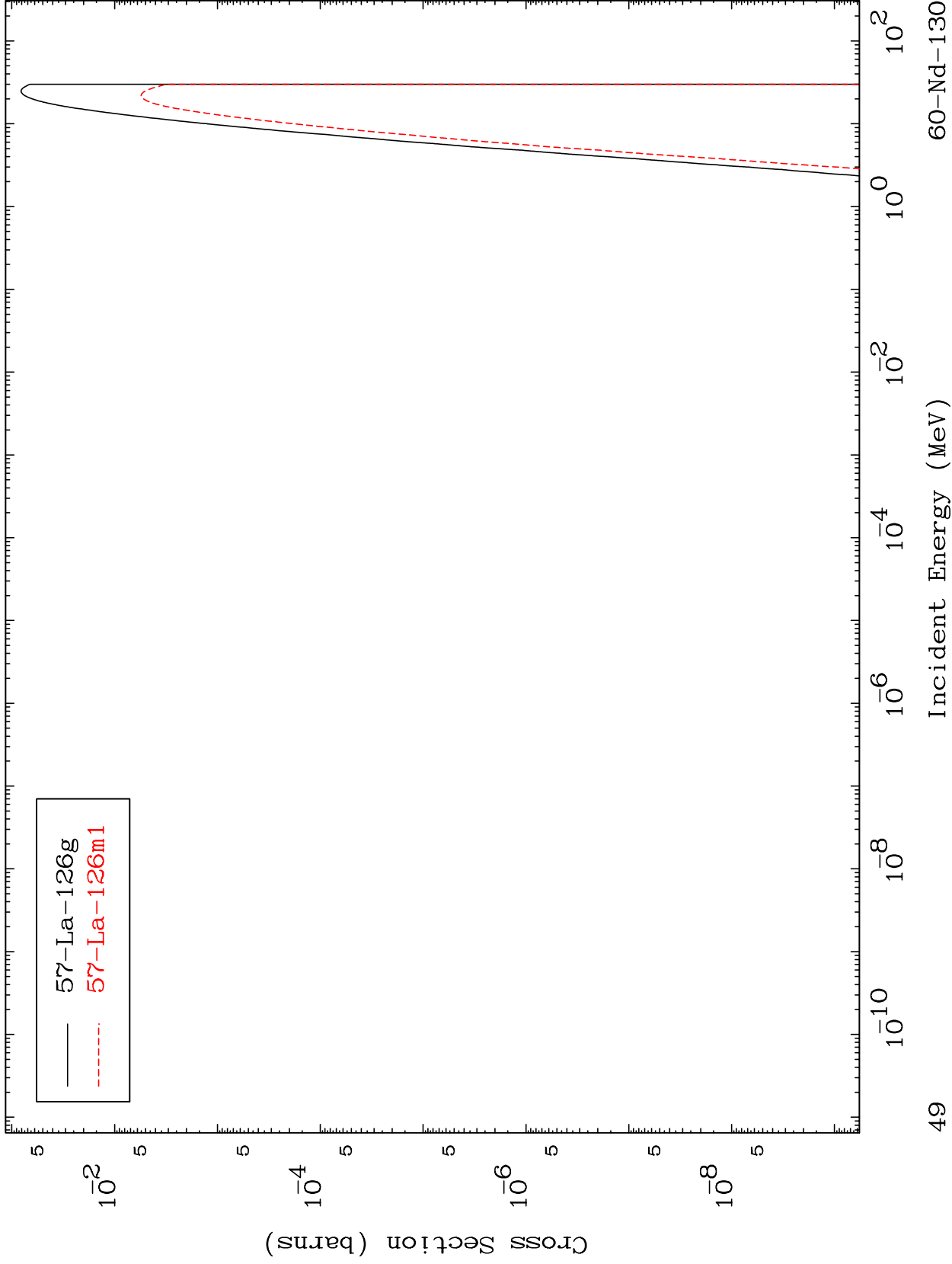


MAT 5989

(n,p)  $\alpha$

60-Nd-130

Radionuclide Production Cross Section

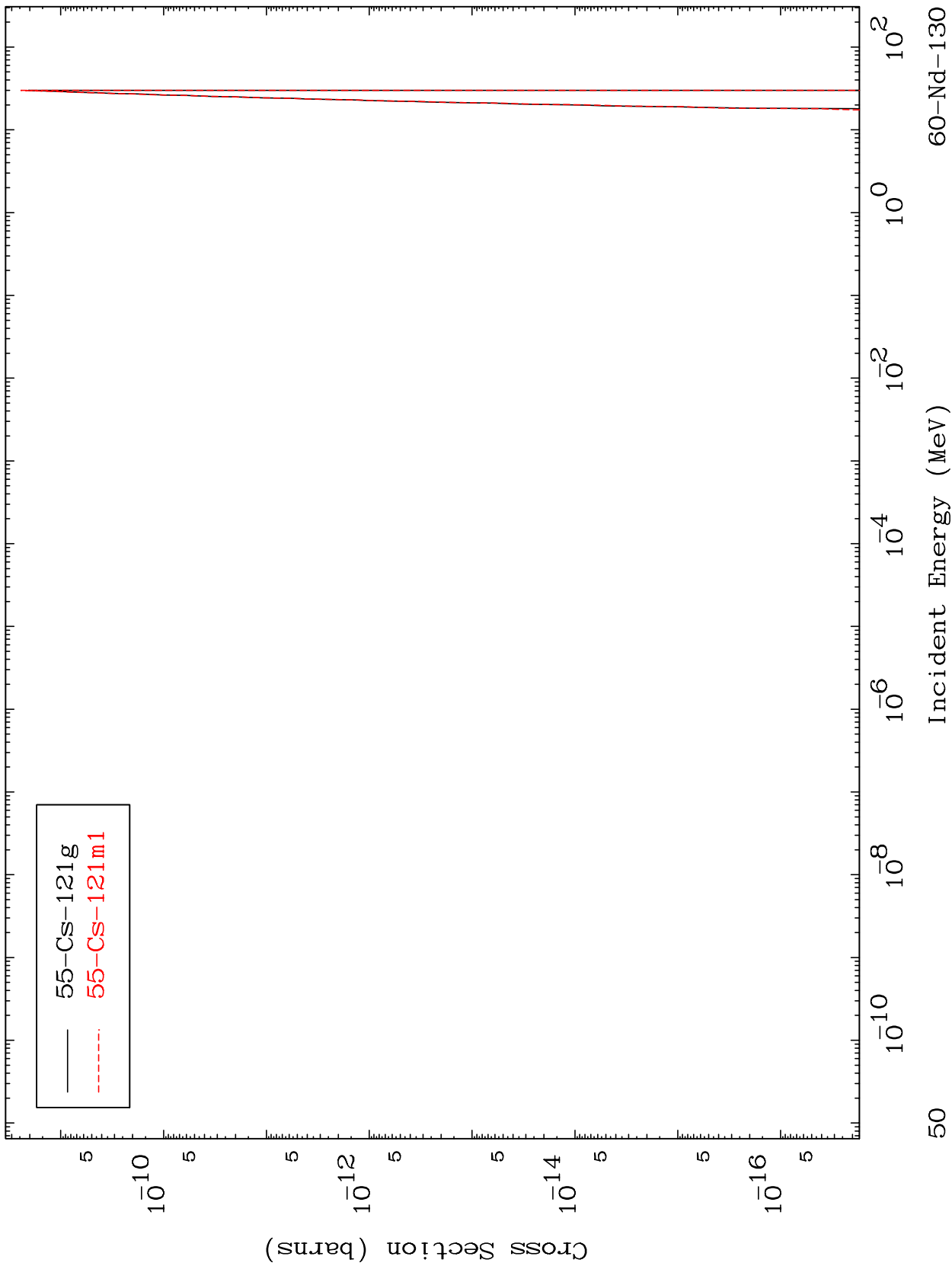


MAT 5989

(n,d) 2 $\alpha$

60-Nd-130

Radionuclide Production Cross Section



50

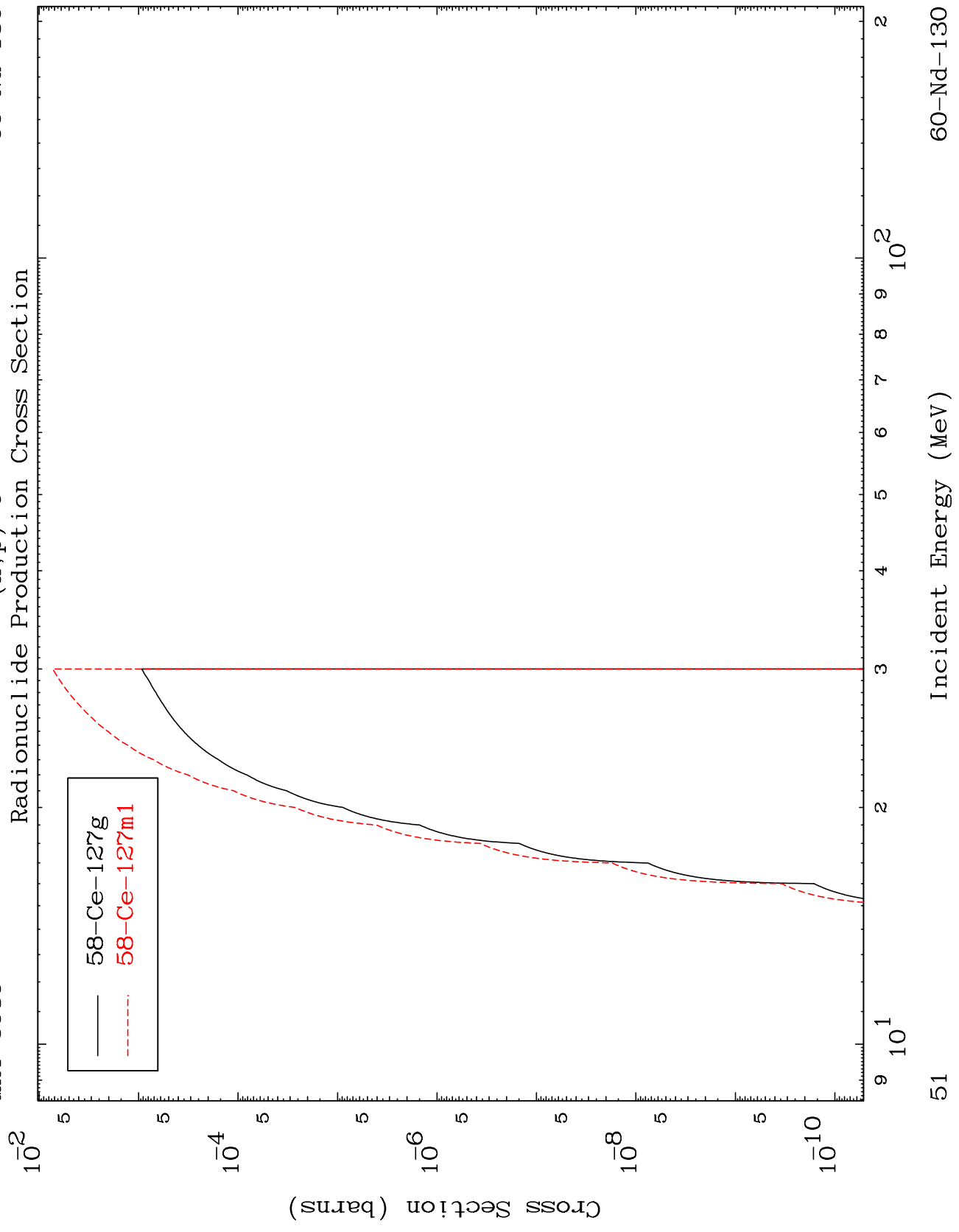
Incident Energy (MeV)

60-Nd-130

MAT 5989

(n,p) t

60-Nd-130



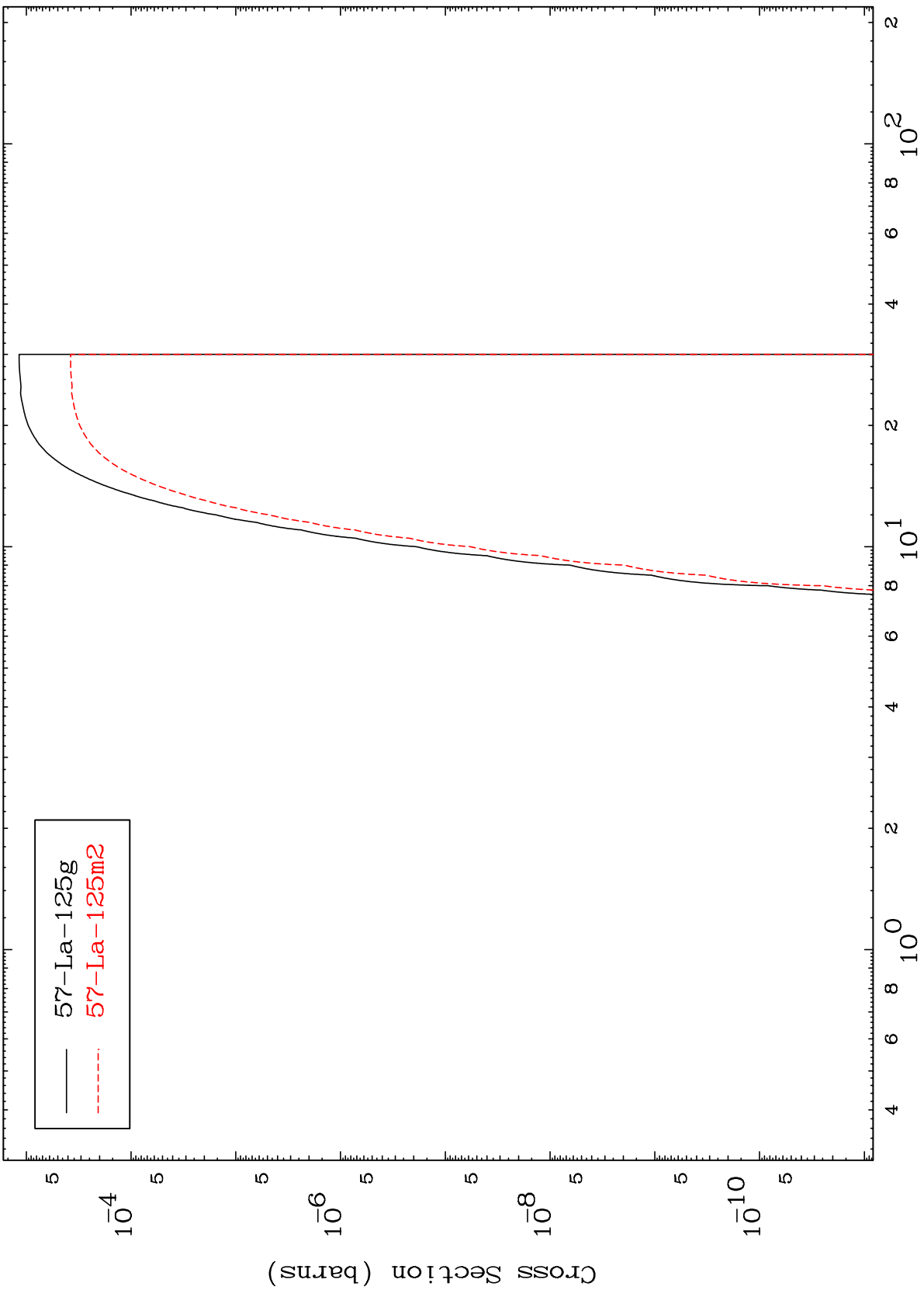
58-Ce-127g  
58-Ce-127m1

MAT 5989

(n,d)  $\alpha$

60-Nd-130

Radionuclide Production Cross Section



— 57-La-125g  
- - - 57-La-125m2

52

Incident Energy (MeV)

60-Nd-130