

Program EVALPLOT  
(Version 2017-1)

by

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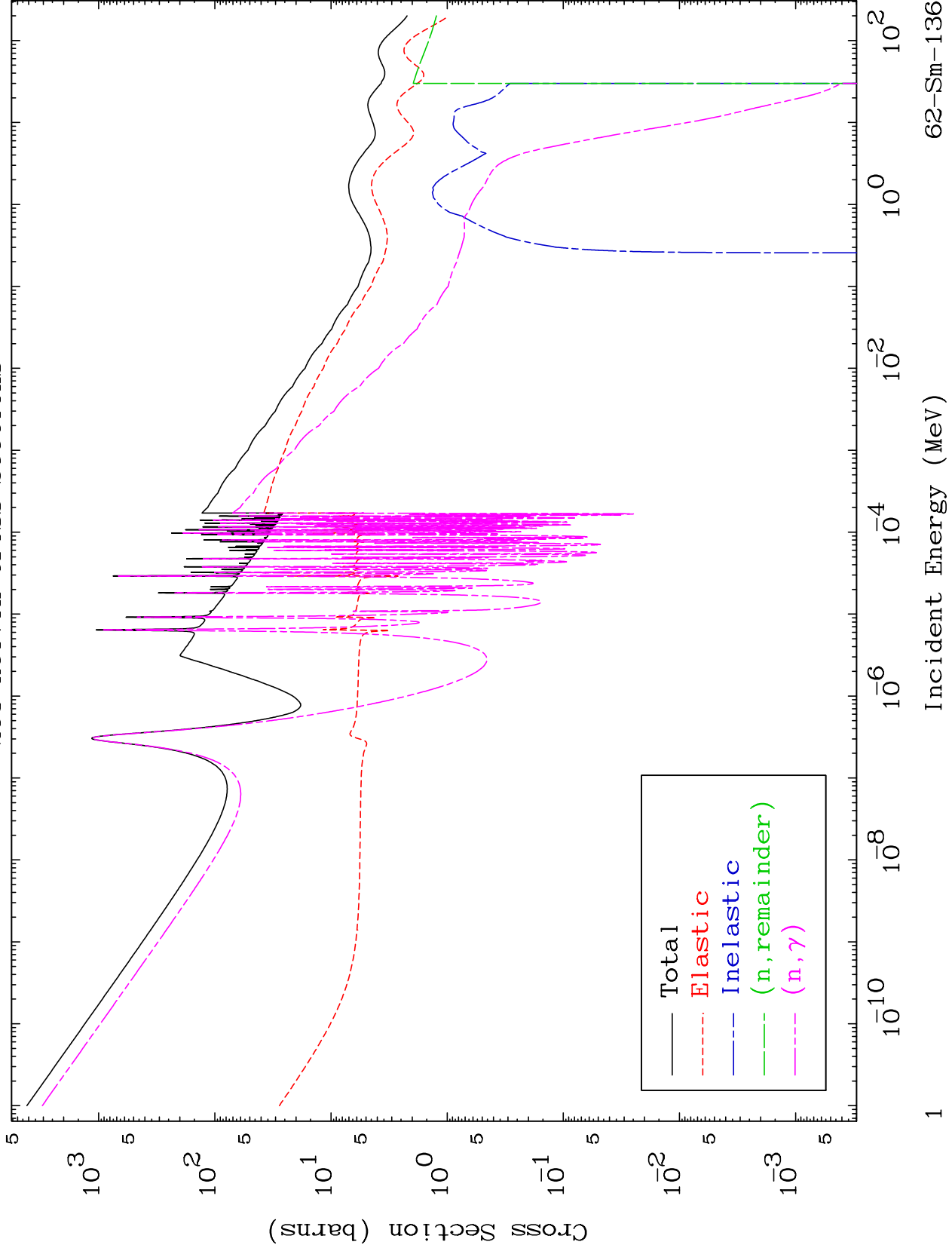
Press Mouse Button to Start

MAT 6201

Major

293 Kelvin Cross Sections

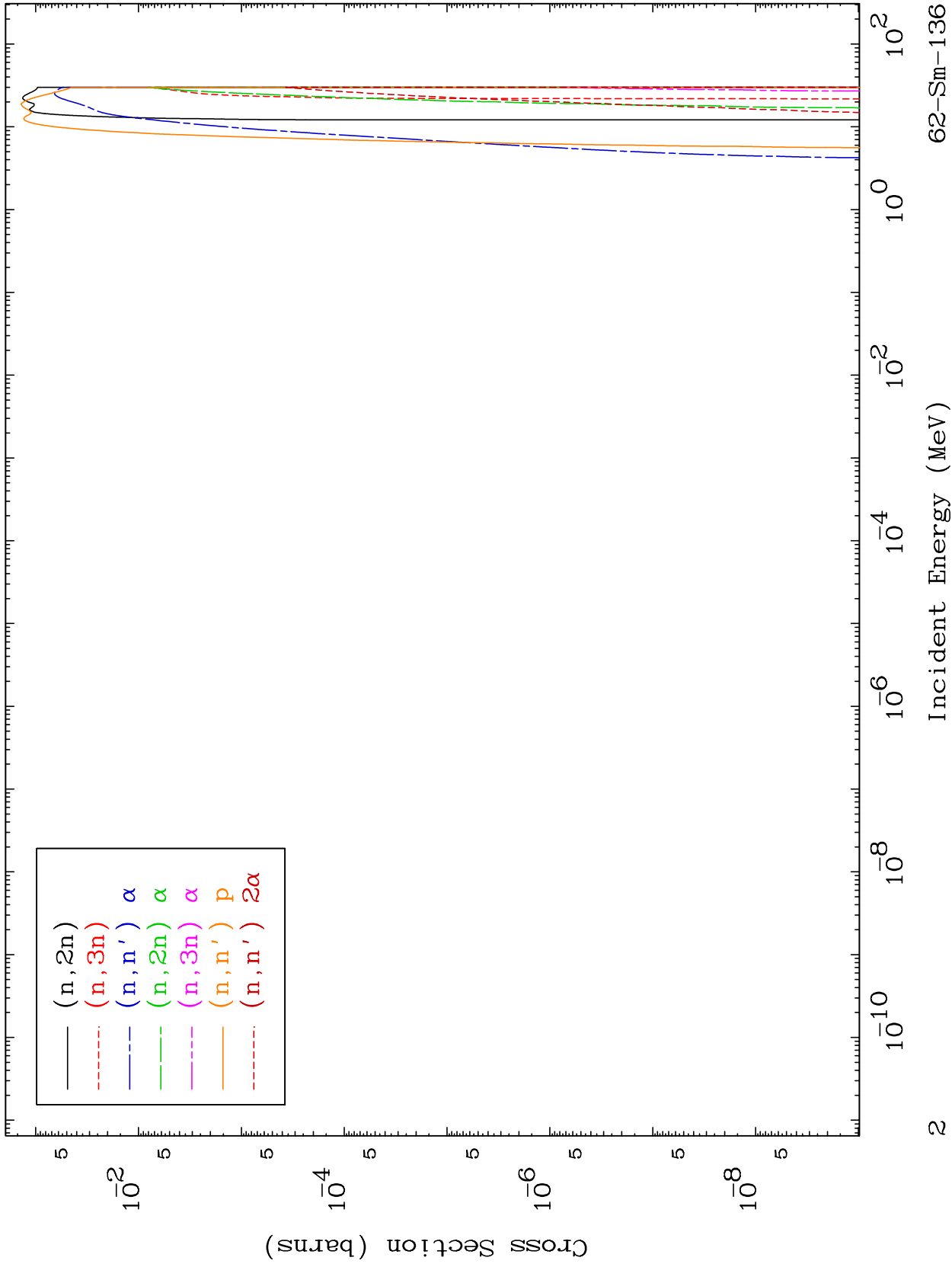
62-Sm-136

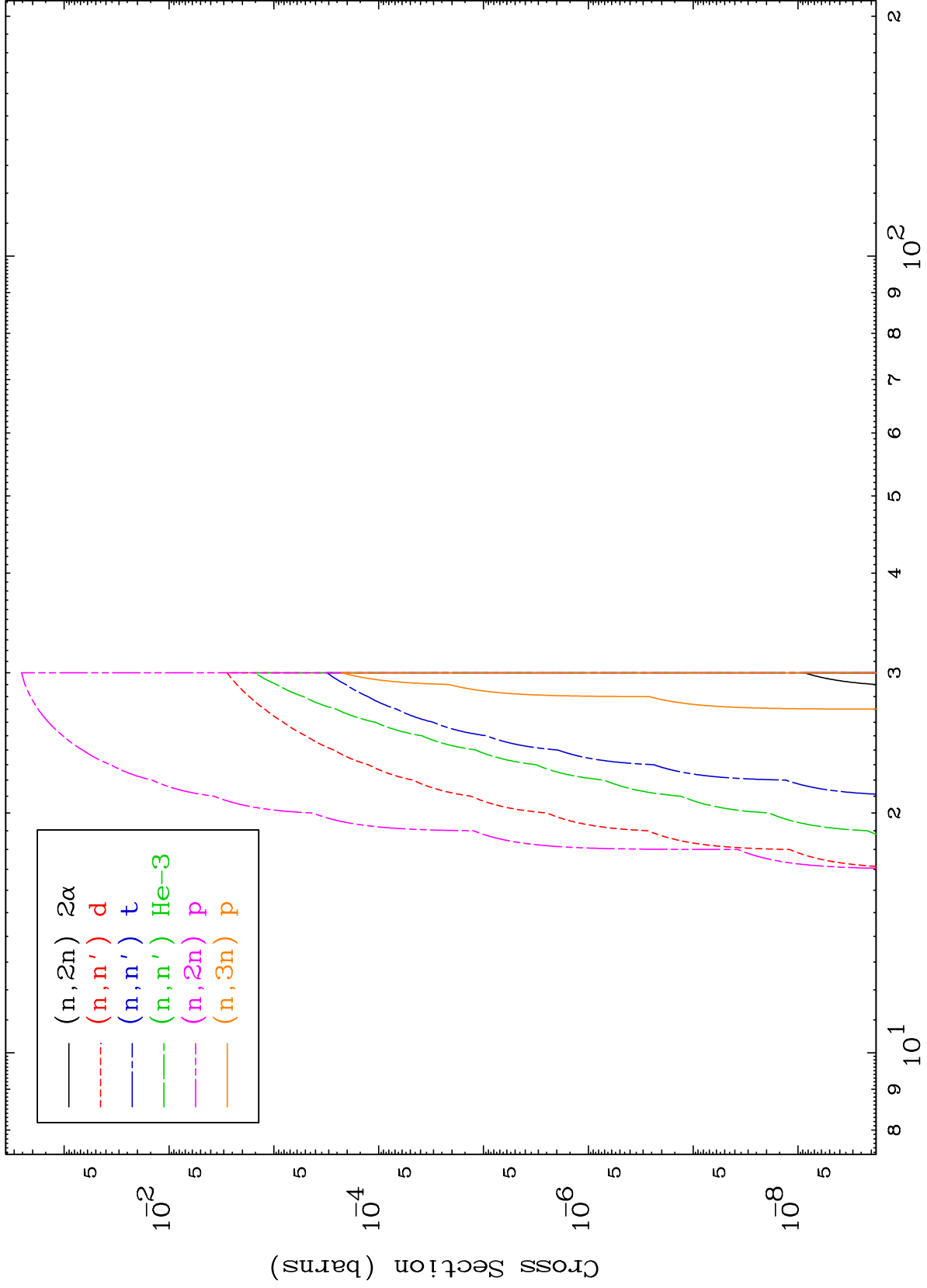


MAT 6201

Neutron Production  
293 Kelvin Cross Sections

62-Sm-136

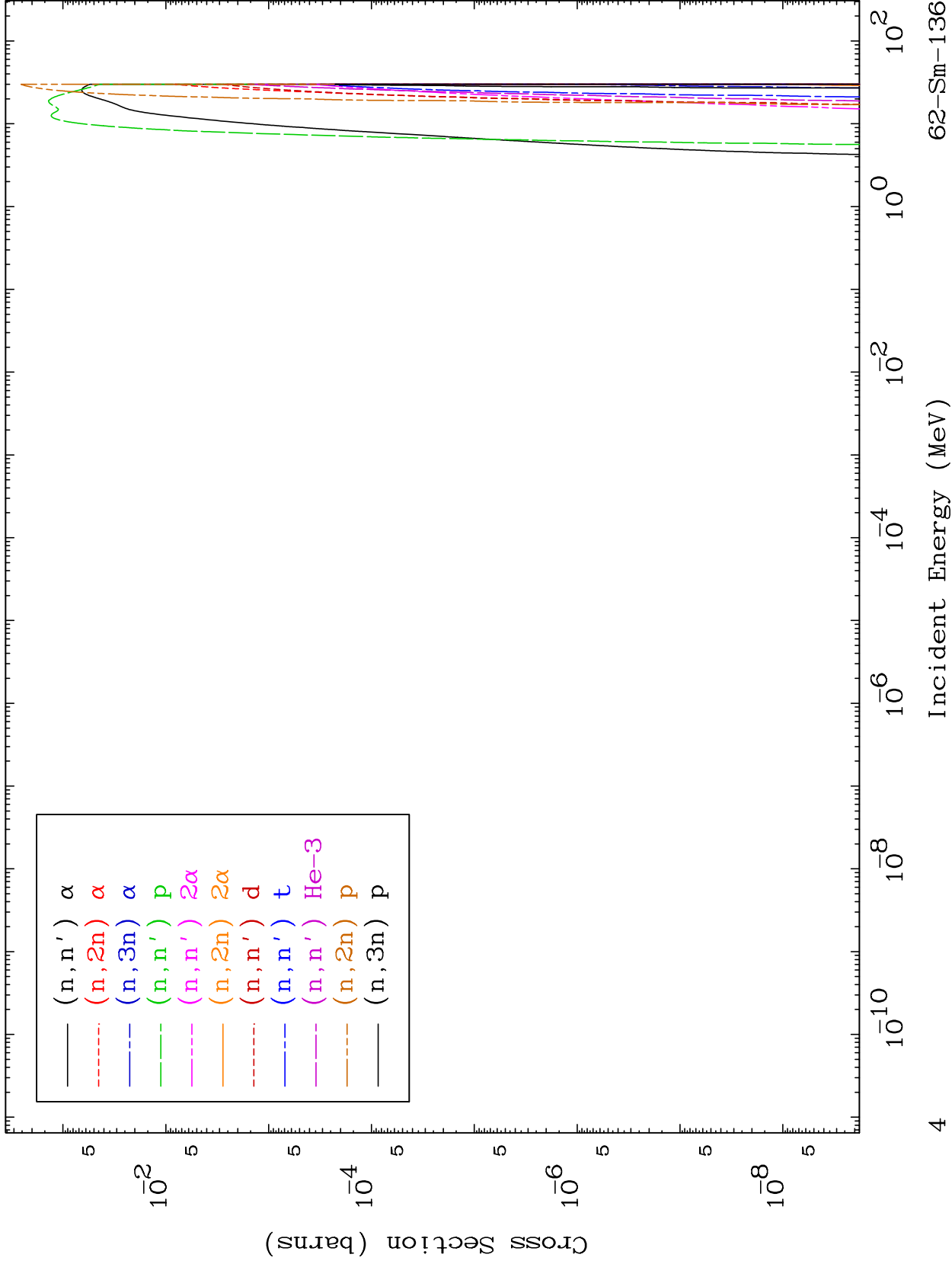




MAT 6201

Charged Particle  
293 Kelvin Cross Sections

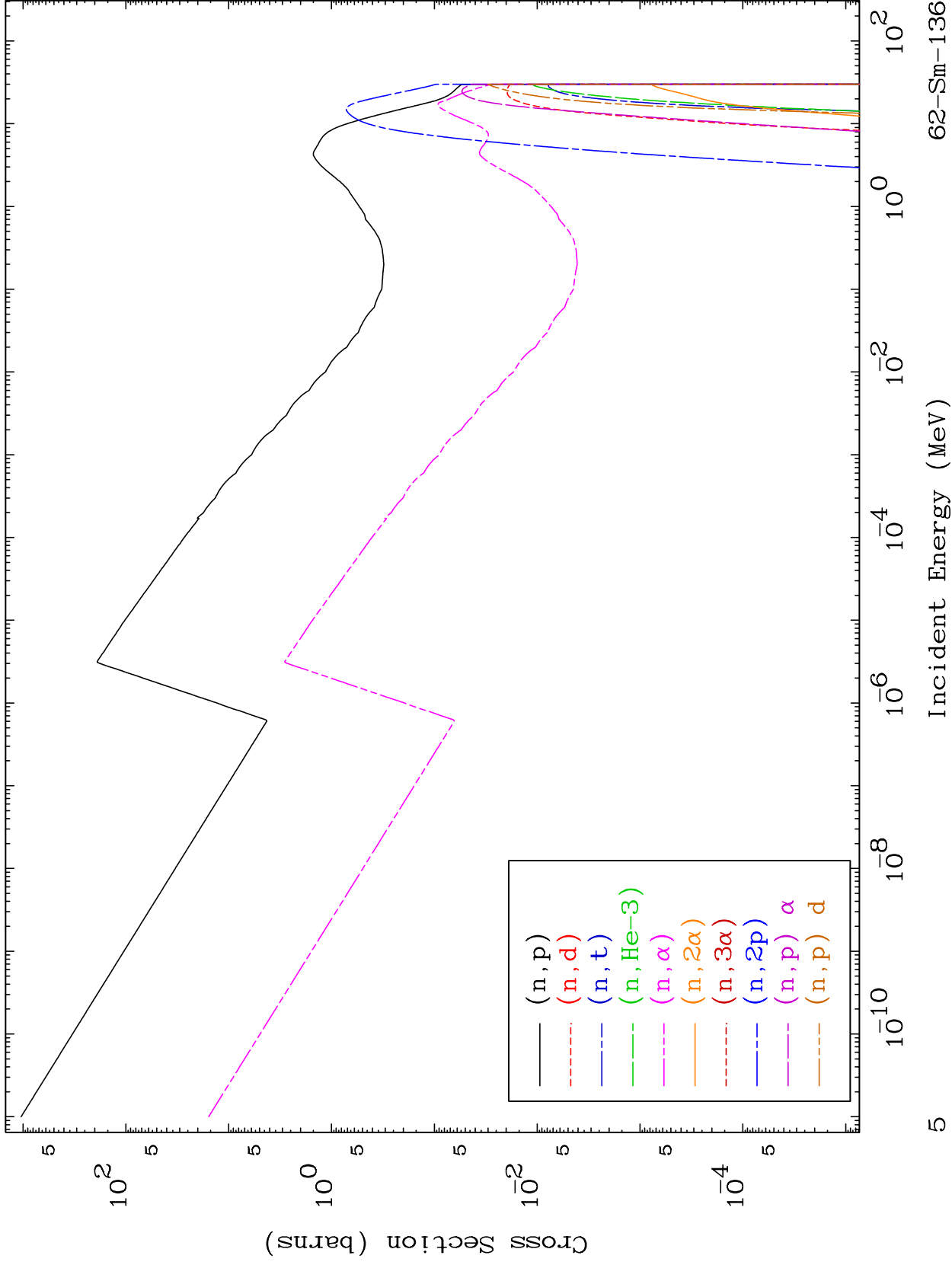
62-Sm-136

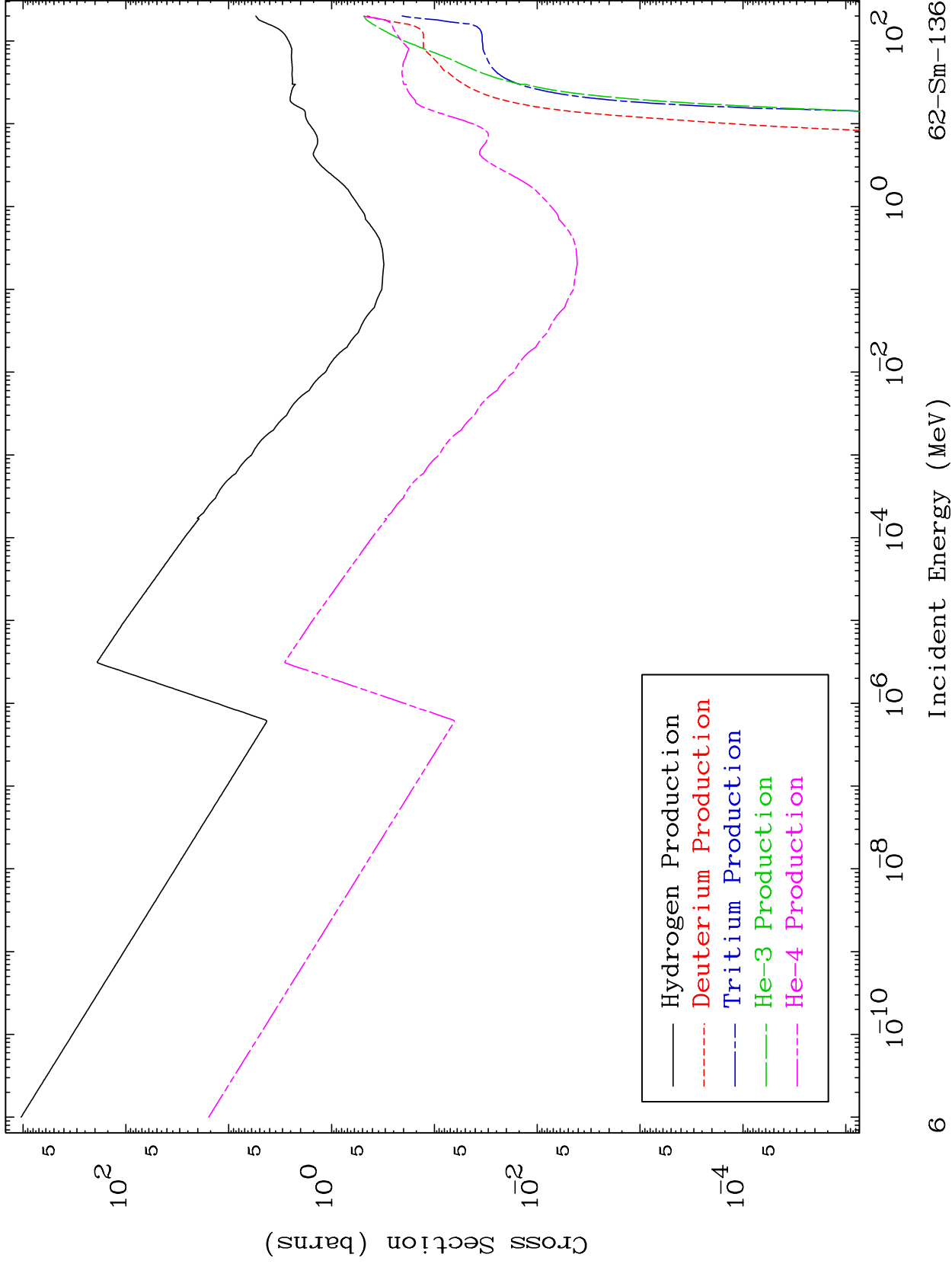


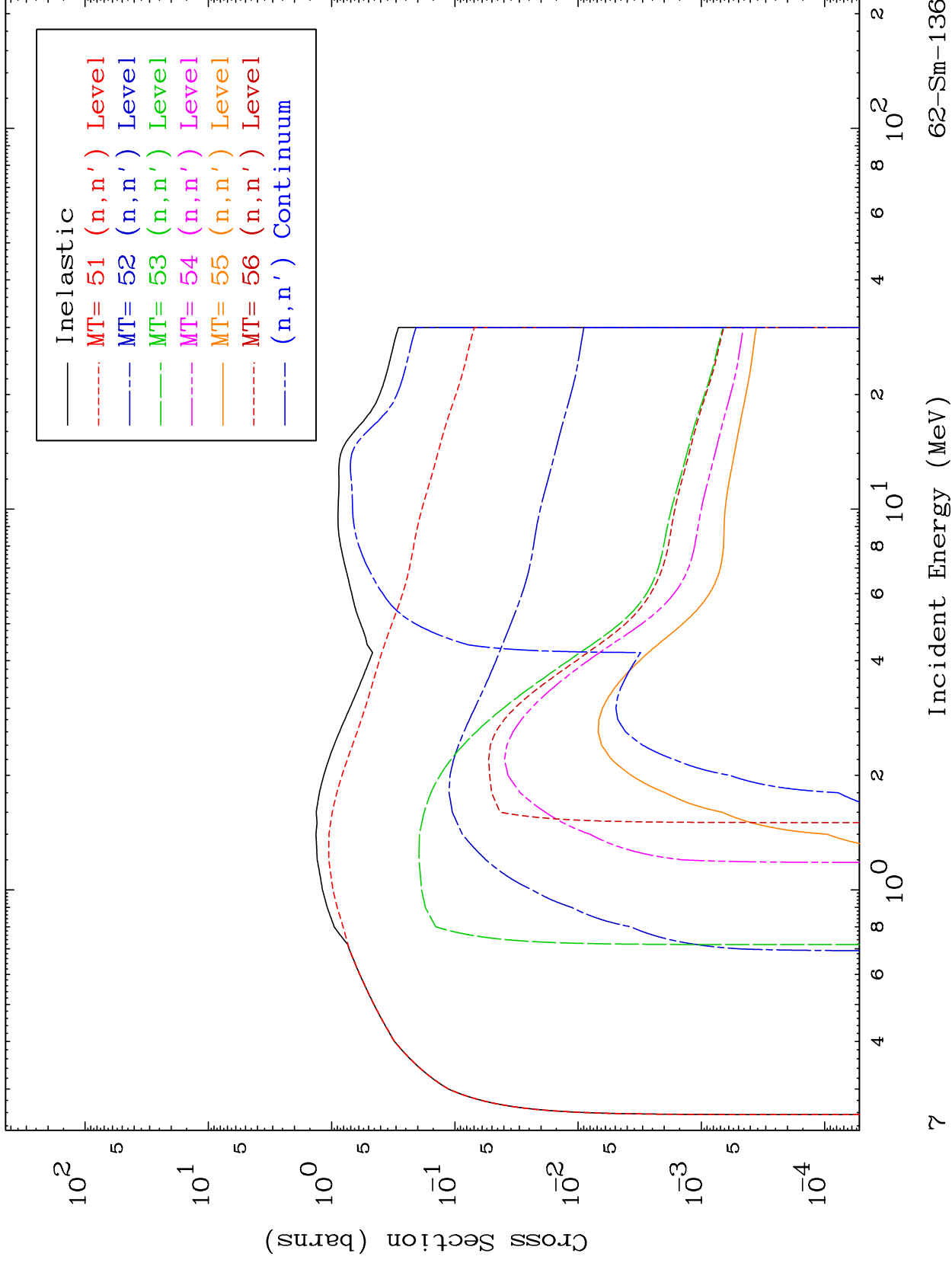
MAT 6201

Charged Particle  
293 Kelvin Cross Sections

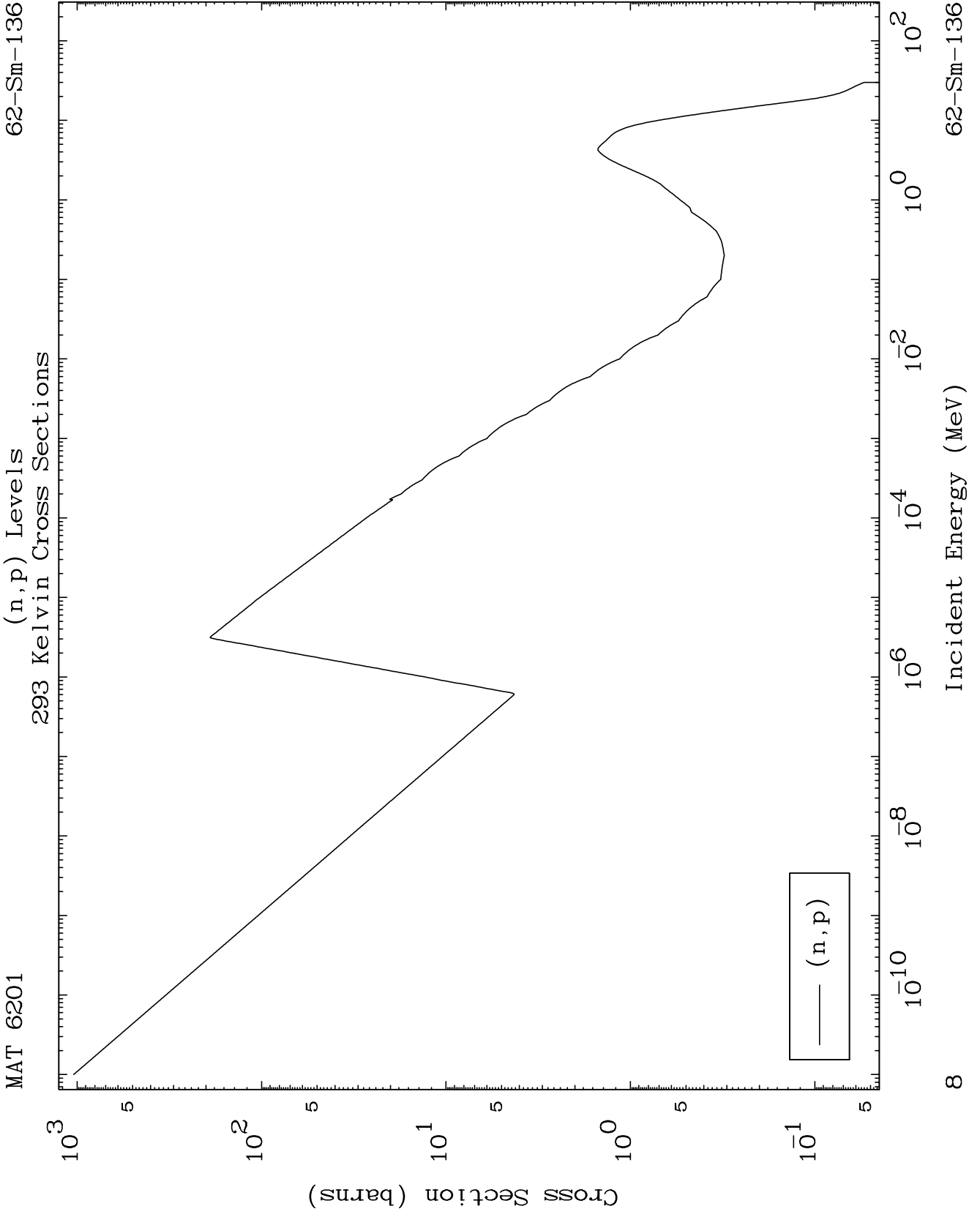
62-Sm-136







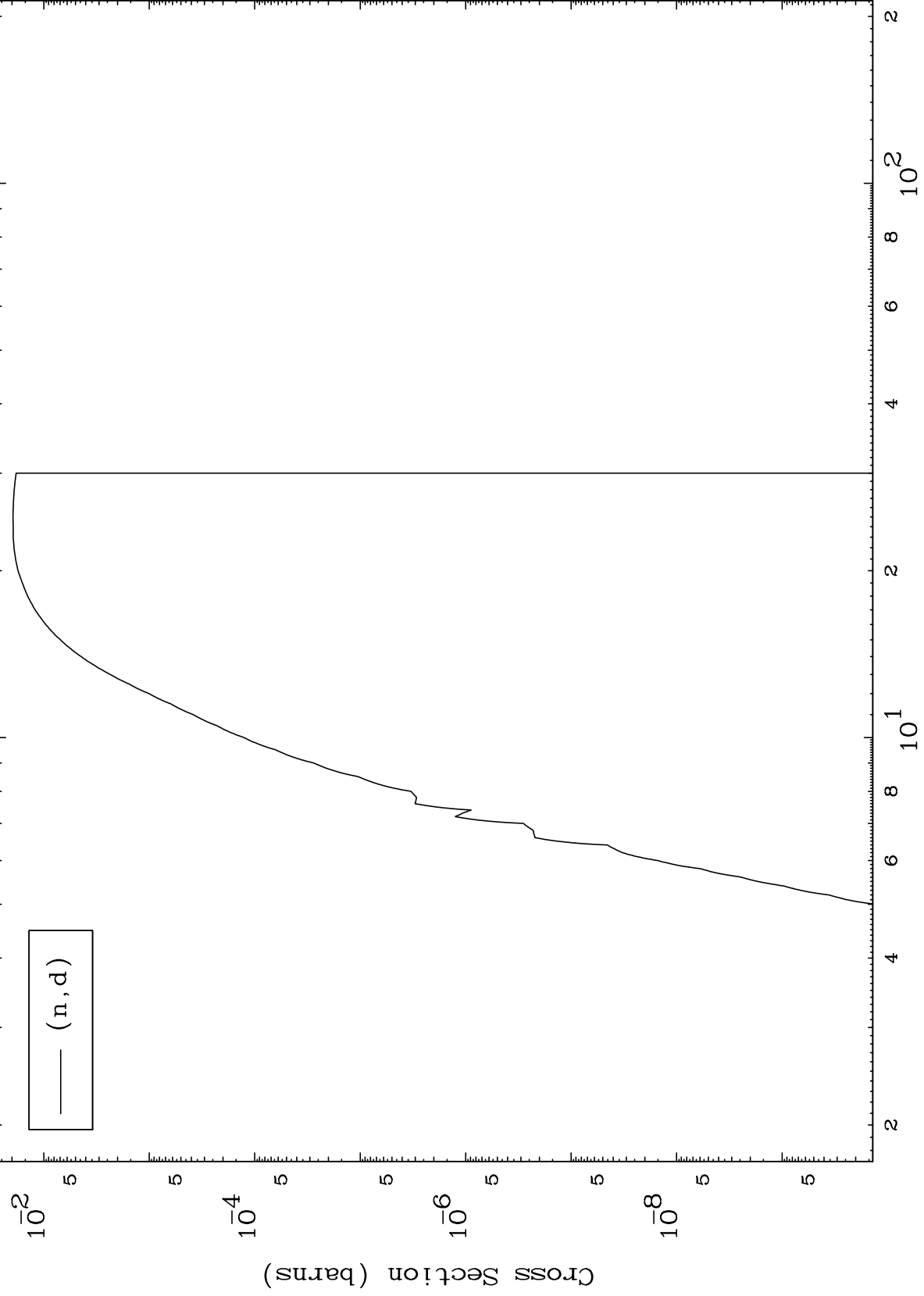




MAT 6201

(n,d) Levels  
293 Kelvin Cross Sections

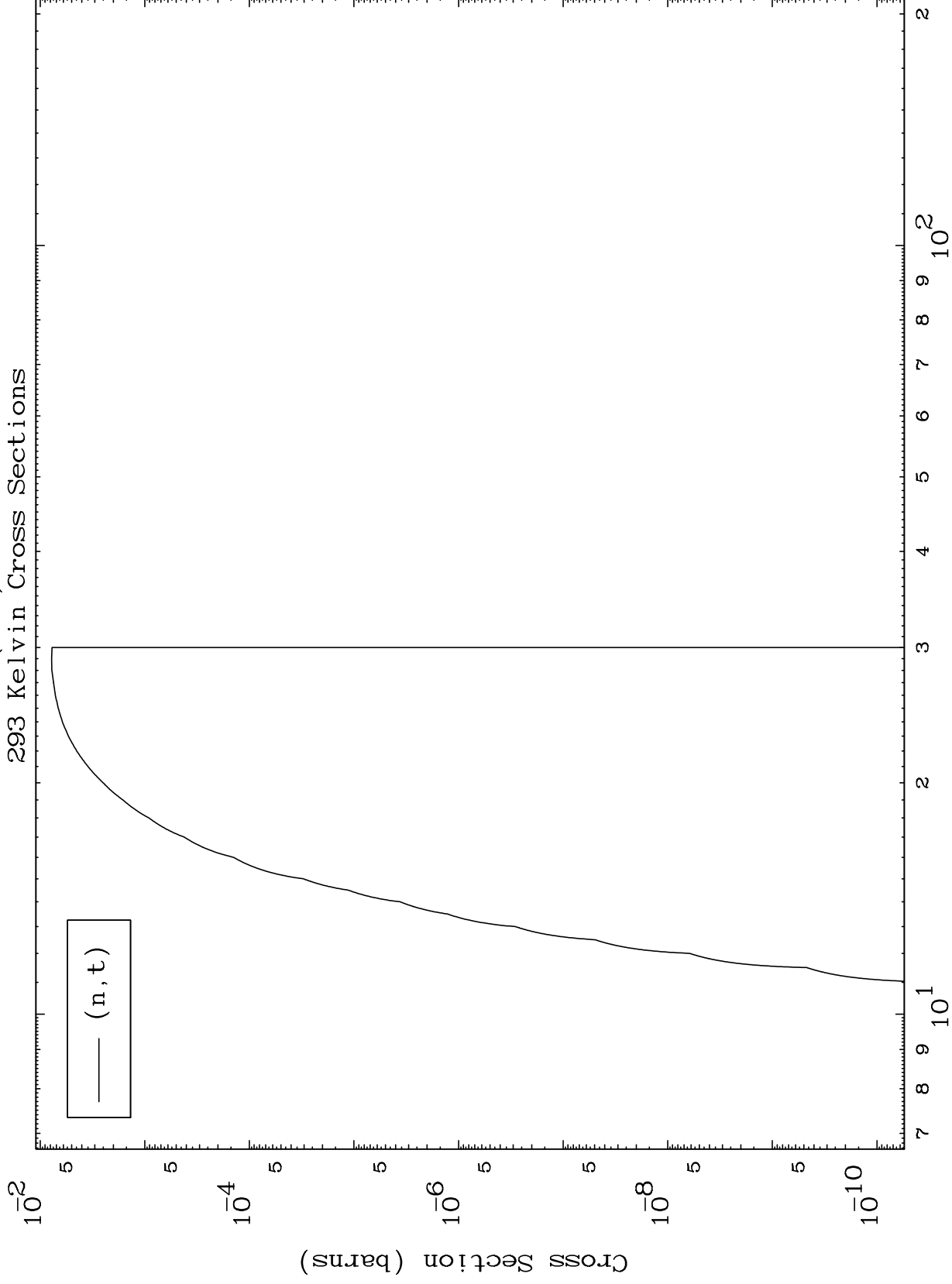
62-Sm-136



MAT 6201

(n,t) Levels  
293 Kelvin Cross Sections

62-Sm-136



10

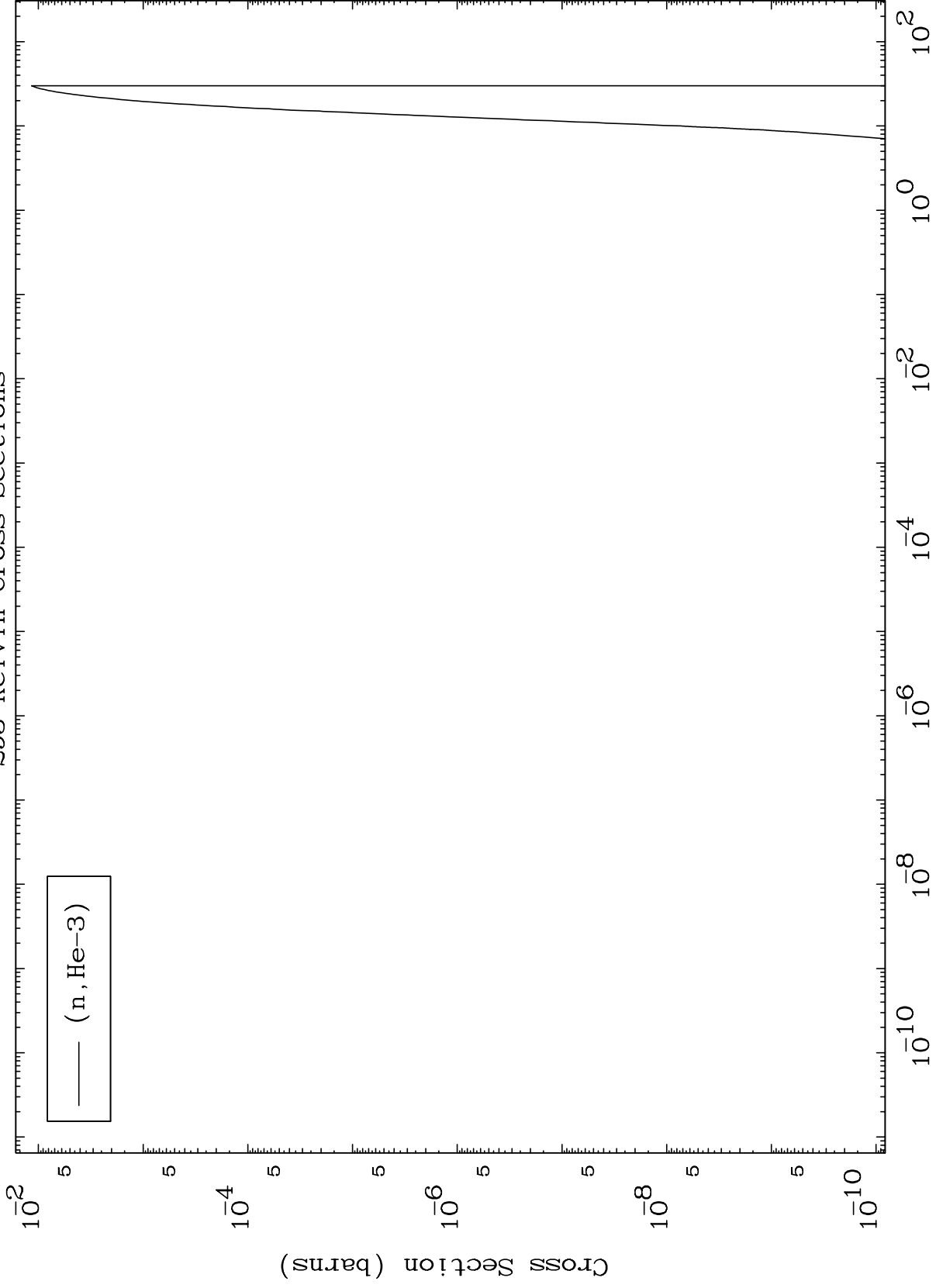
Incident Energy (MeV)

62-Sm-136

MAT 6201

(n,He3) Levels  
293 Kelvin Cross Sections

62-Sm-136



(n, He-3)

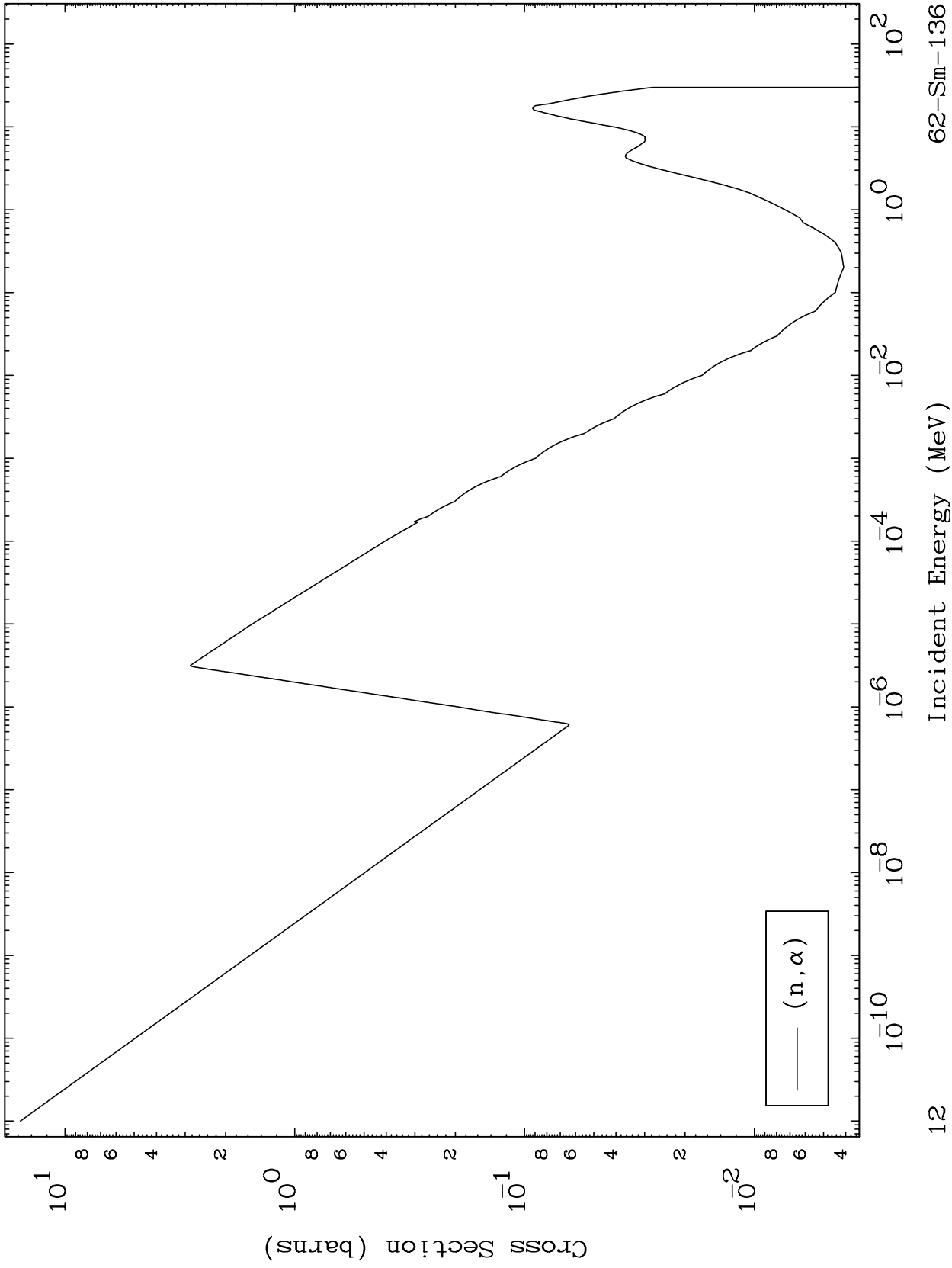
62-Sm-136

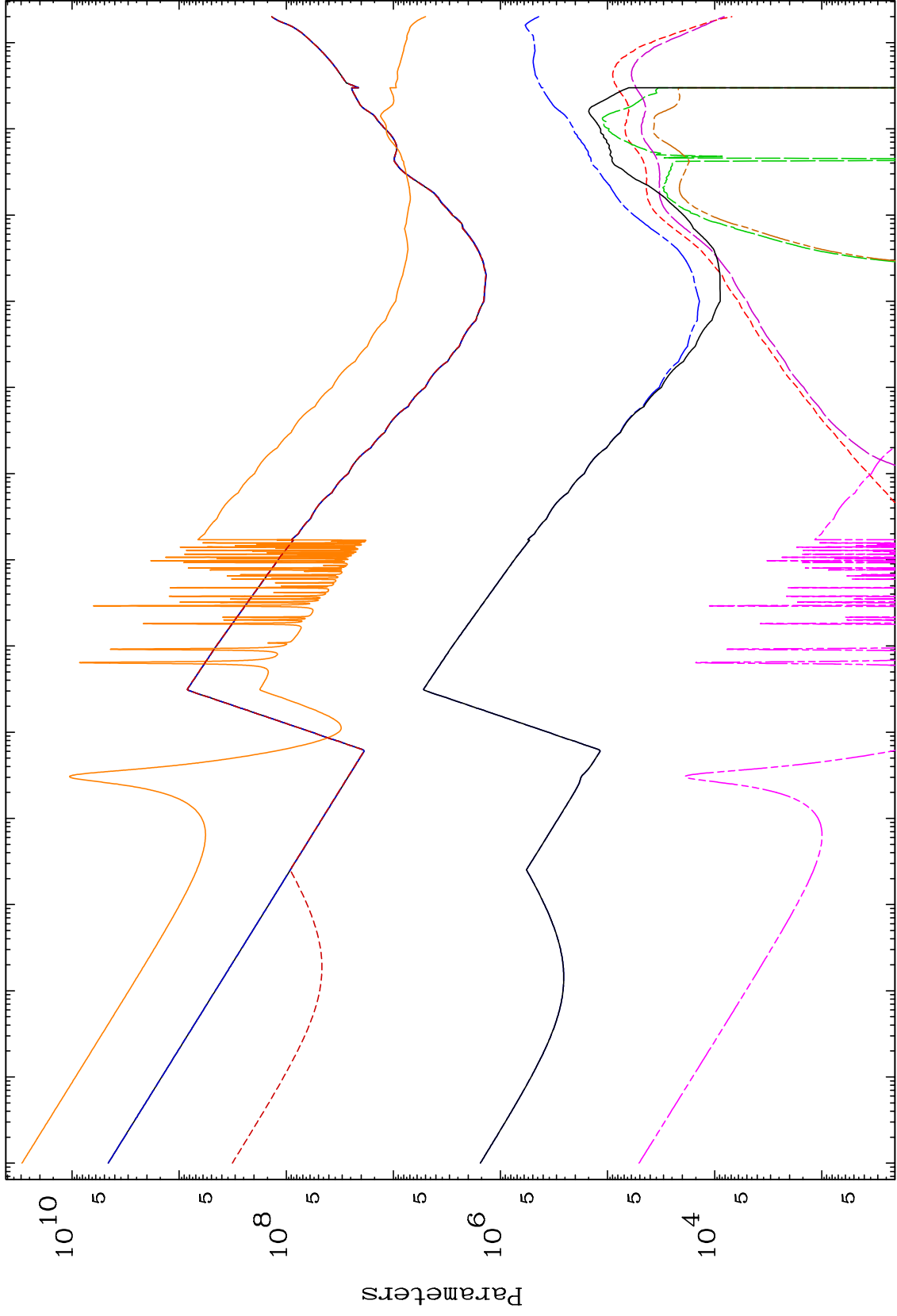
Incident Energy (MeV)

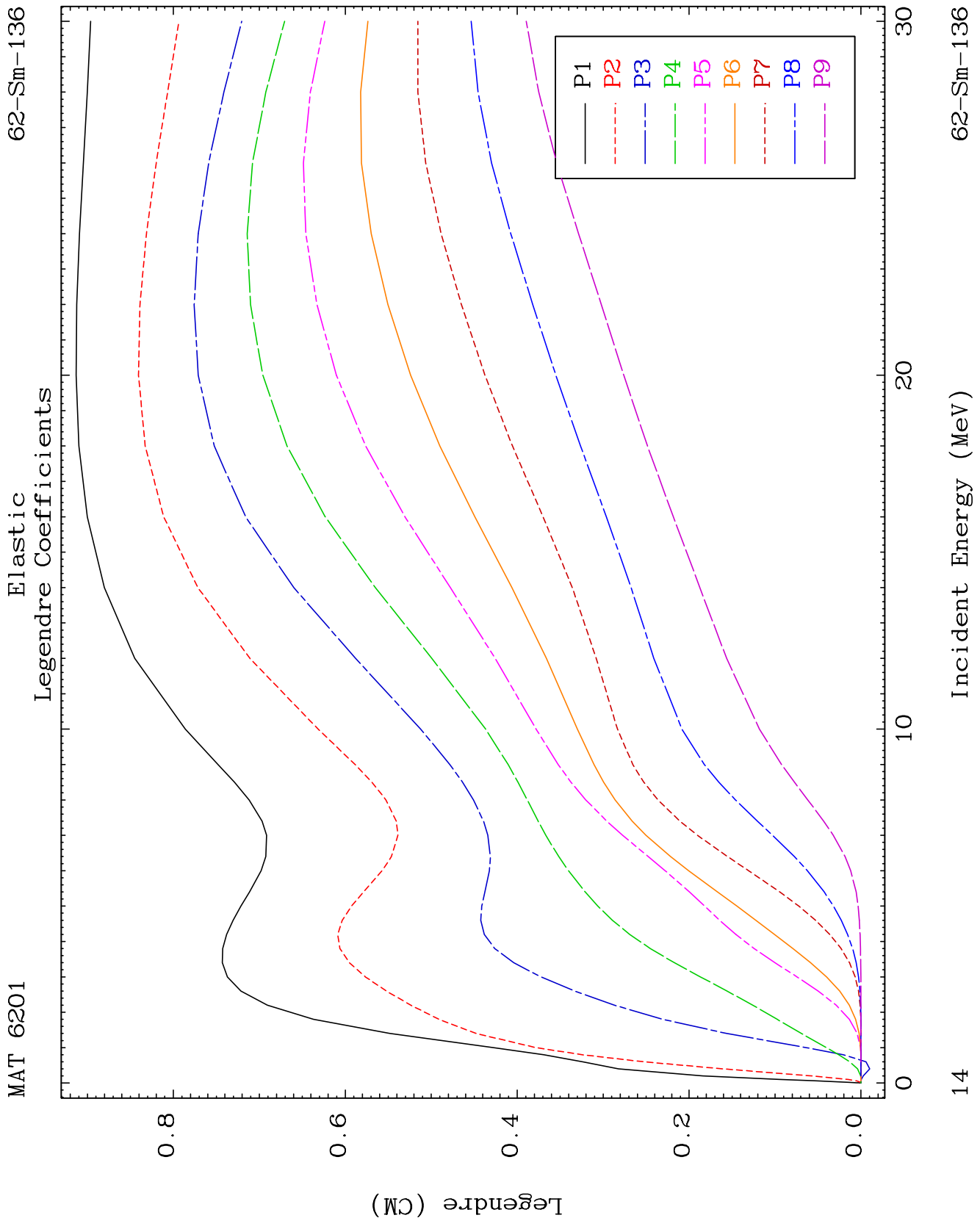
MAT 6201

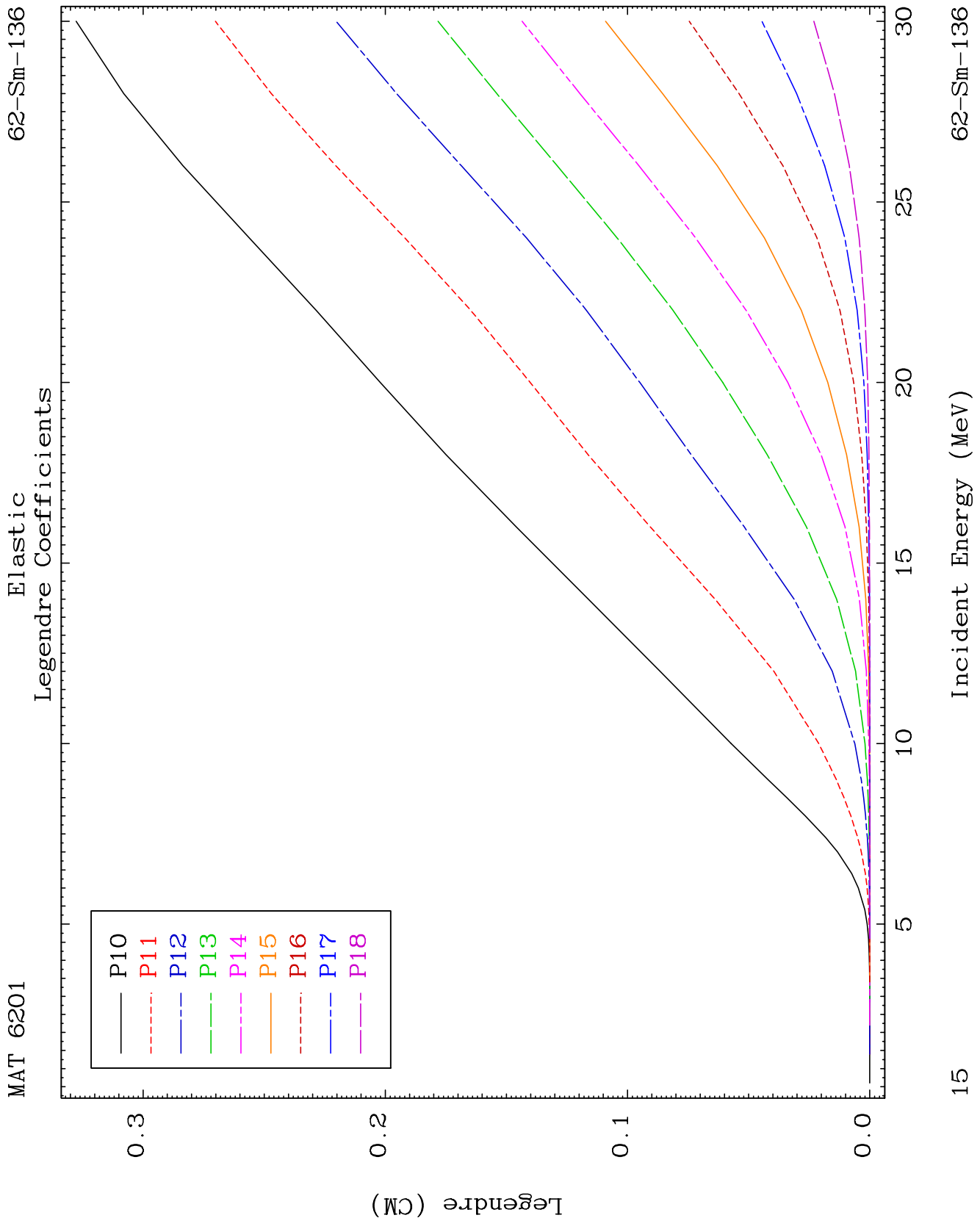
(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

62-Sm-136







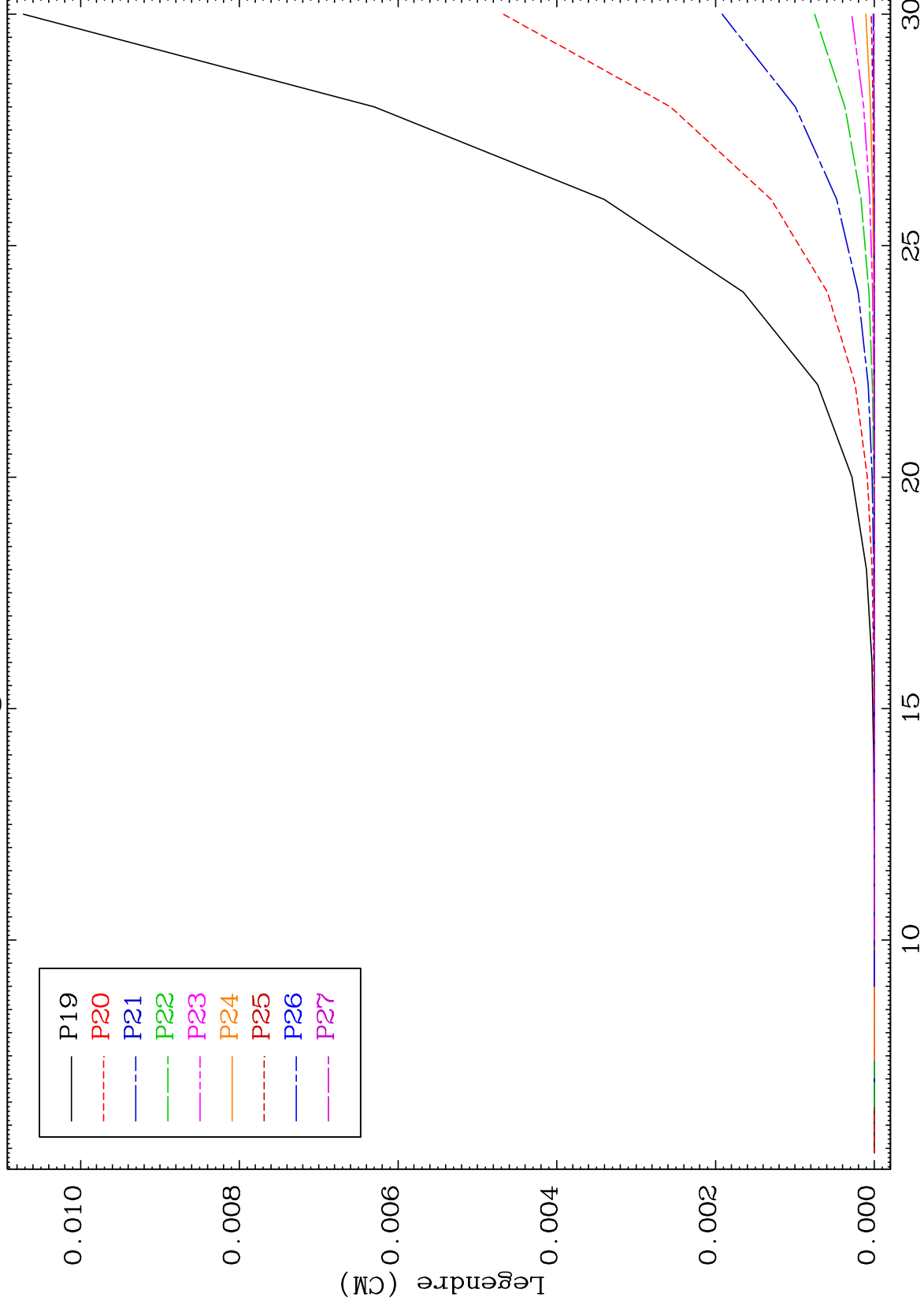




MAT 6201

### Elastic Legendre Coefficients

<sup>62</sup>Sm-136



16

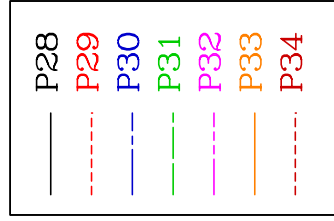
Incident Energy (MeV)

<sup>62</sup>Sm-136

MAT 6201

Elastic  
Legendre Coefficients

62-Sm-136



$\times 10^{-6}$

1.0

0.8

0.6

0.4

0.2

0.0

Legendre (CM)

15

20

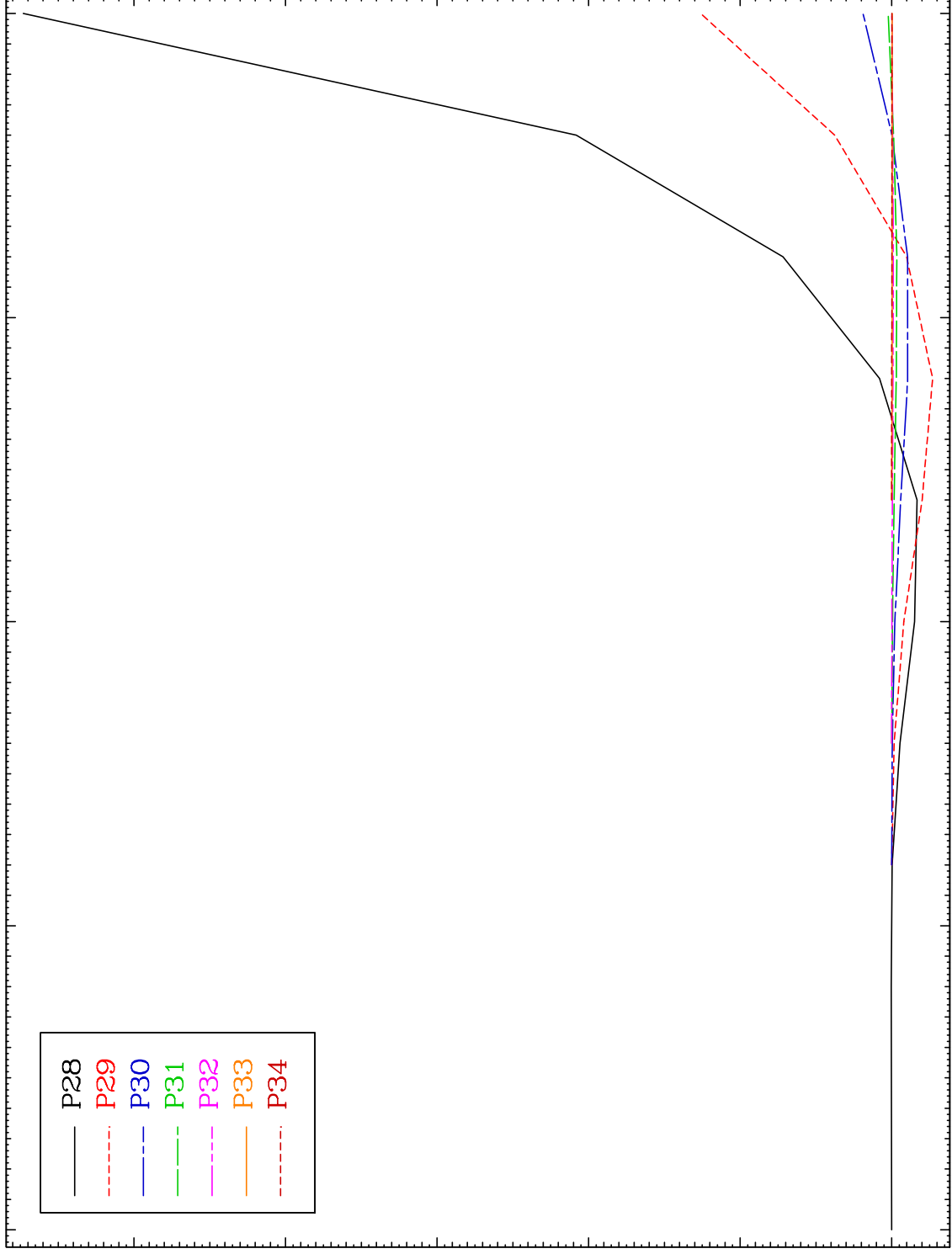
25

30

17

Incident Energy (MeV)

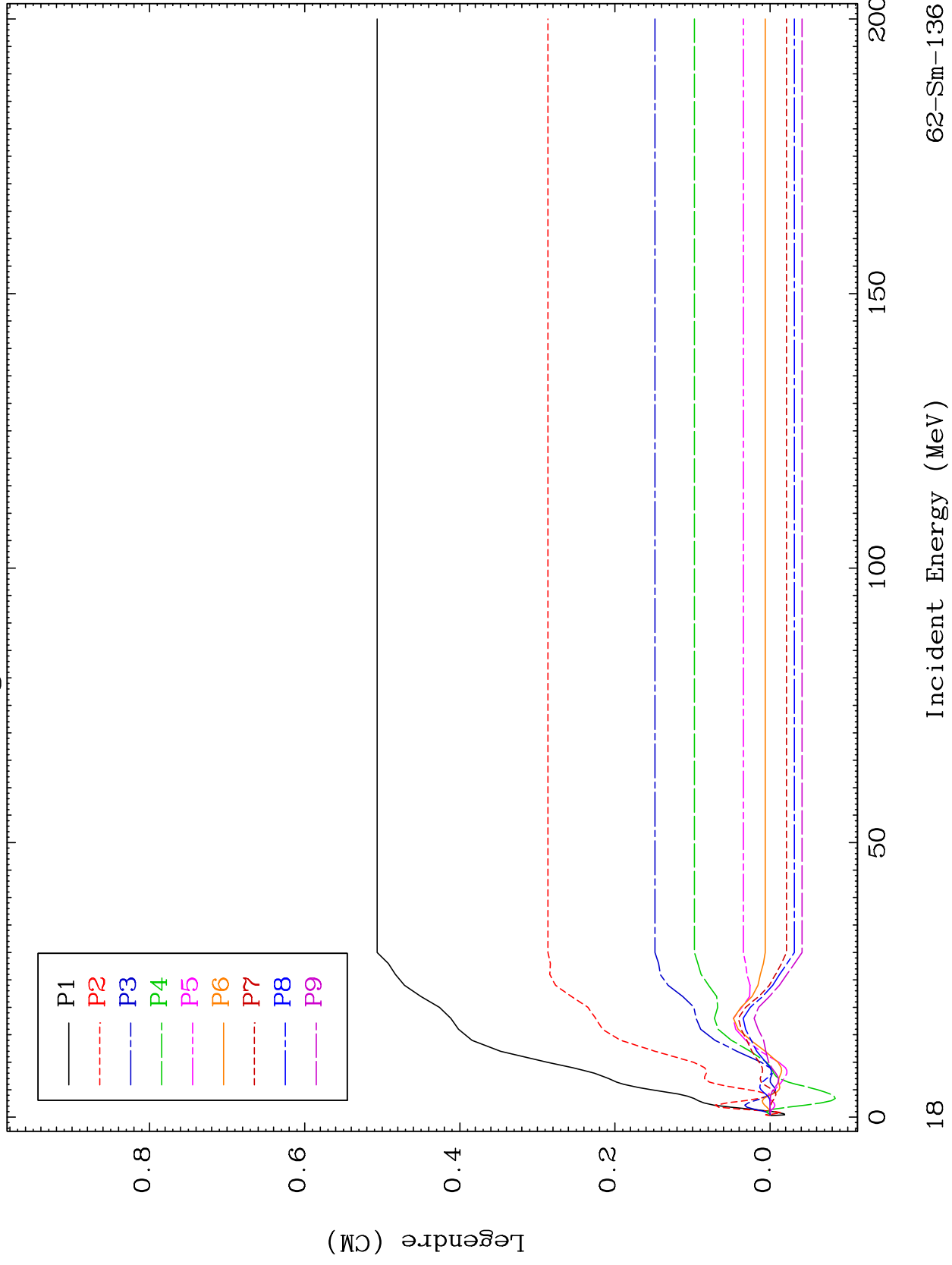
62-Sm-136



MAT 6201

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

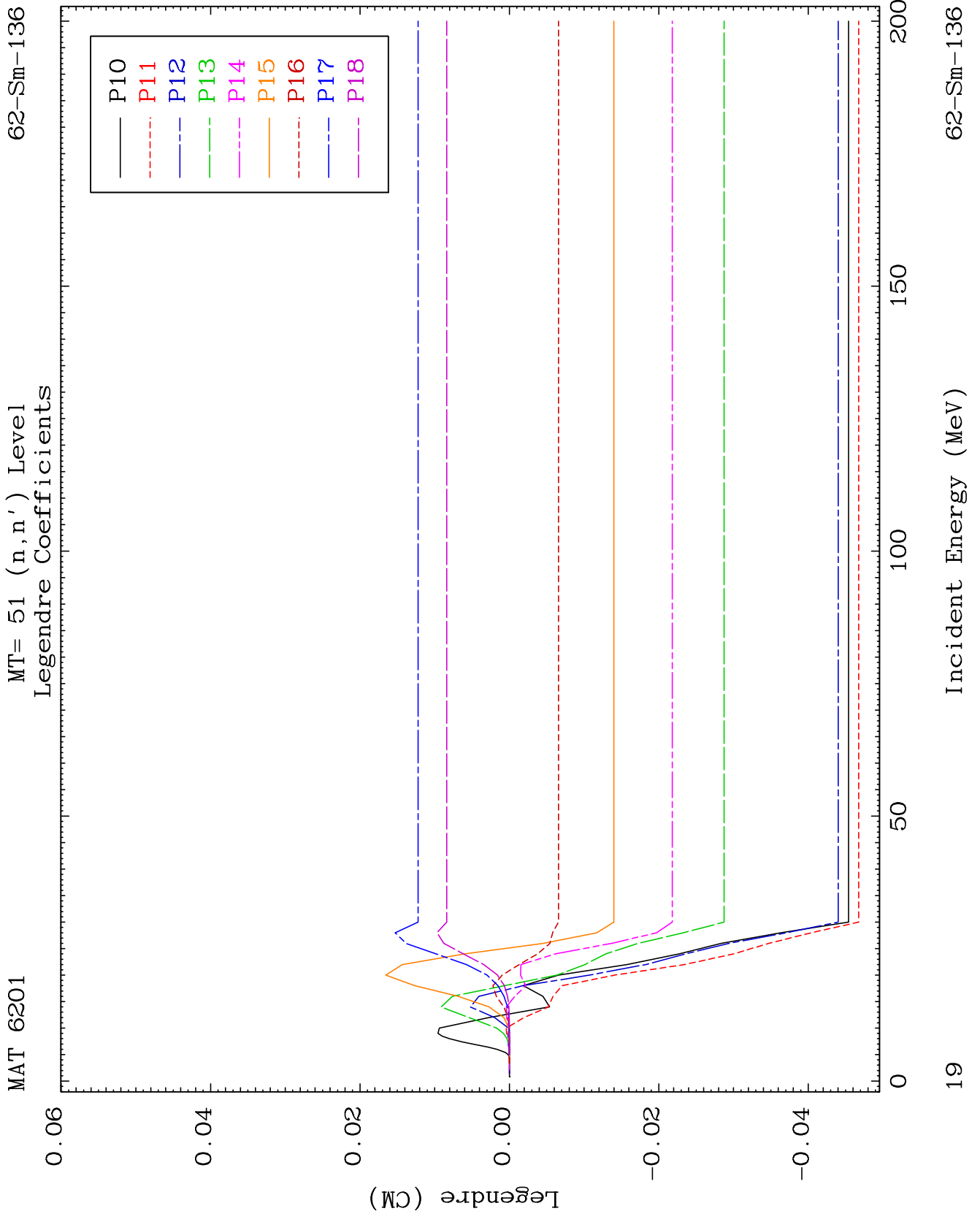
62-Sm-136



62-Sm-136

Incident Energy (MeV)

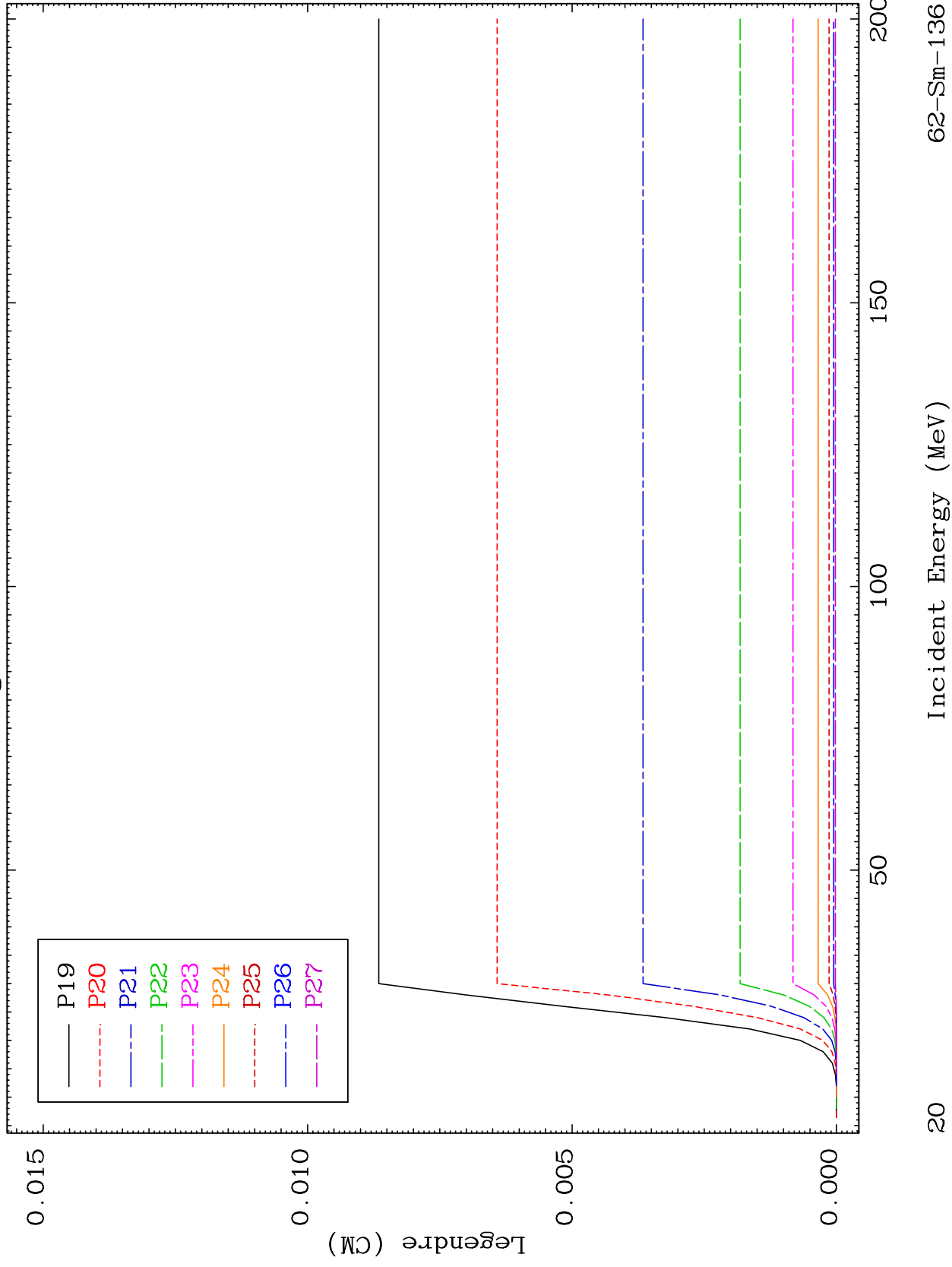
18



MAT 6201

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

62-Sm-136



62-Sm-136

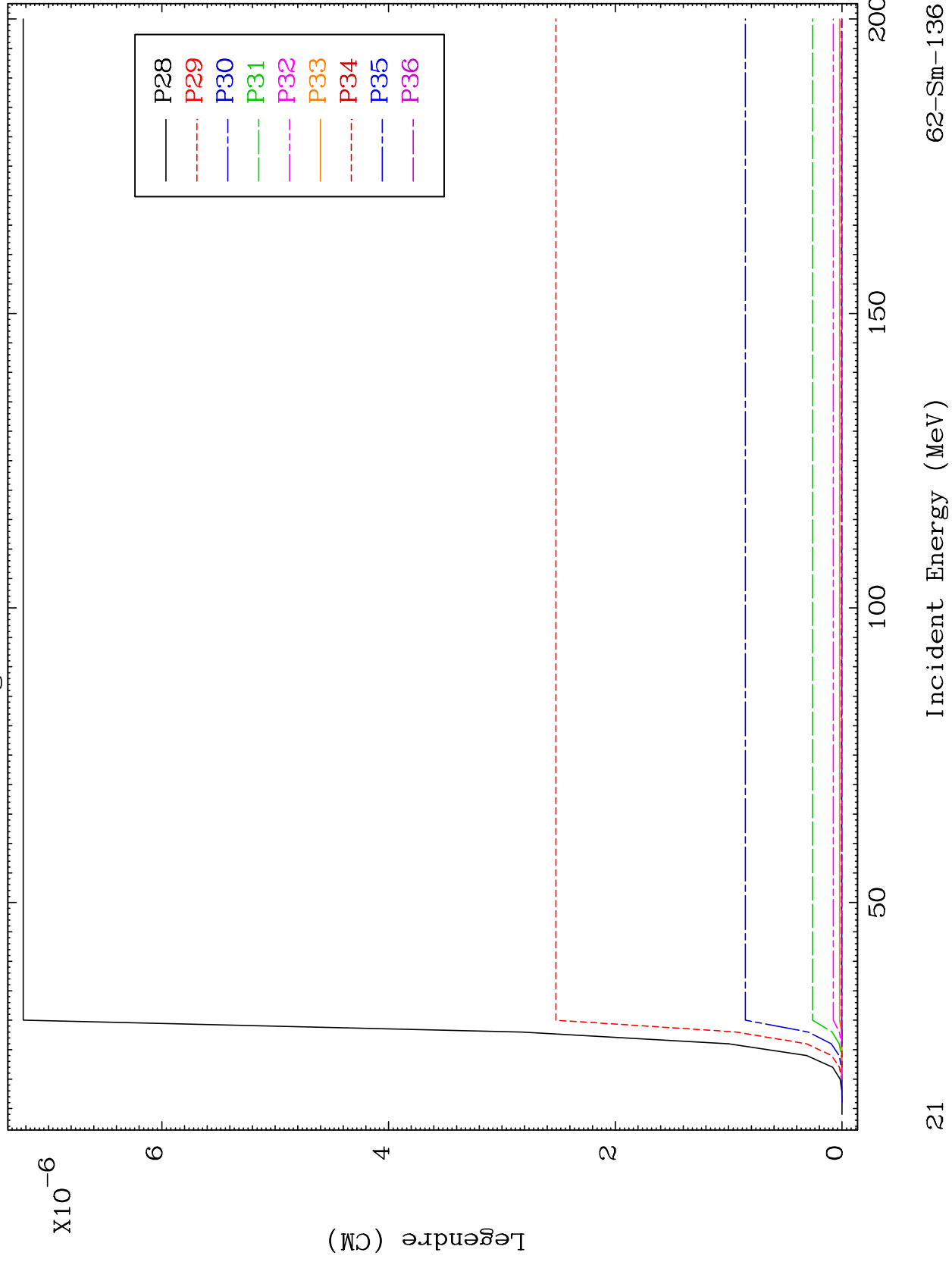
Incident Energy (MeV)

20

MAT 6201

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

62-Sm-136

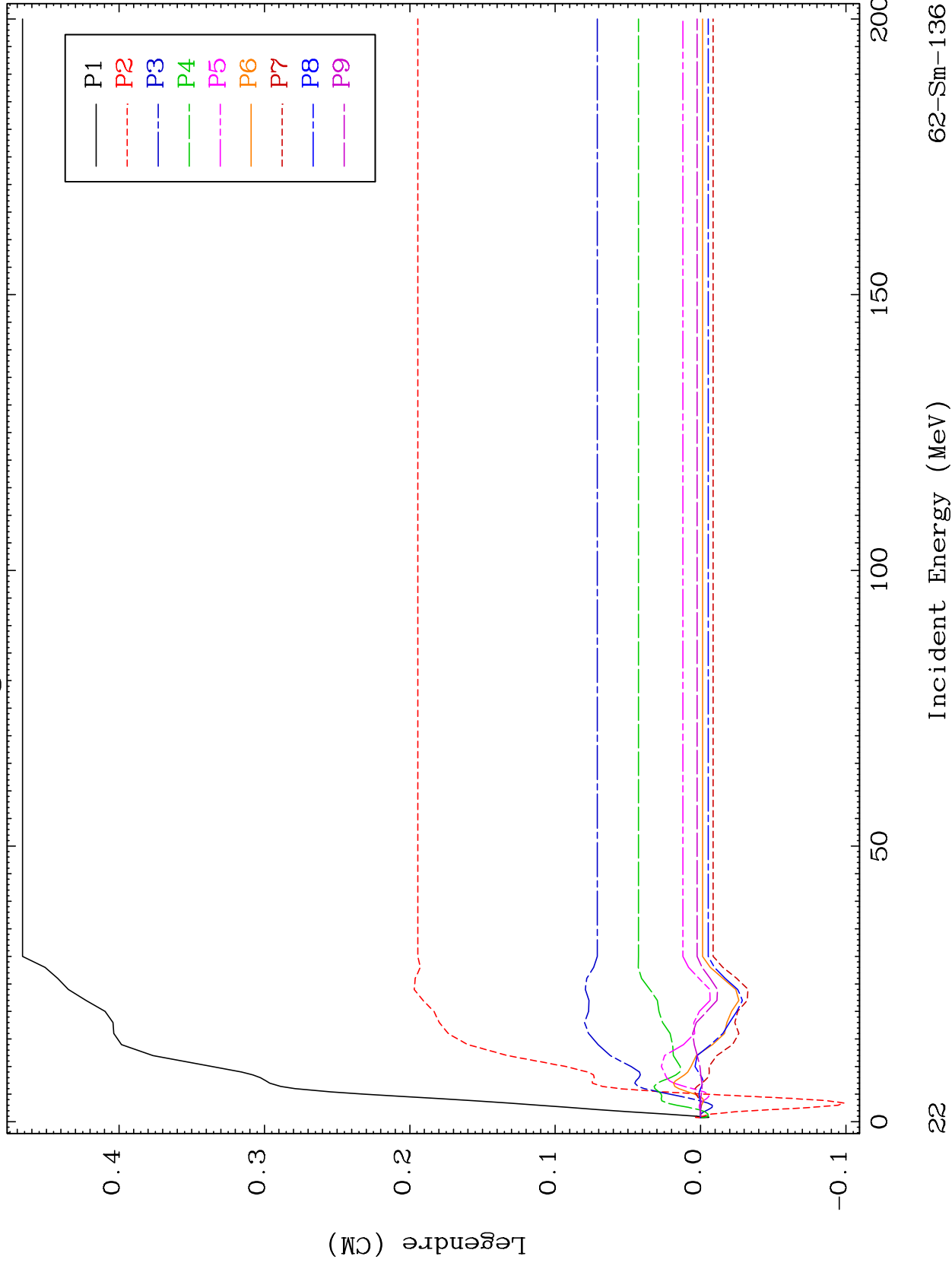


21

MAT 6201

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

62-Sm-136



62-Sm-136

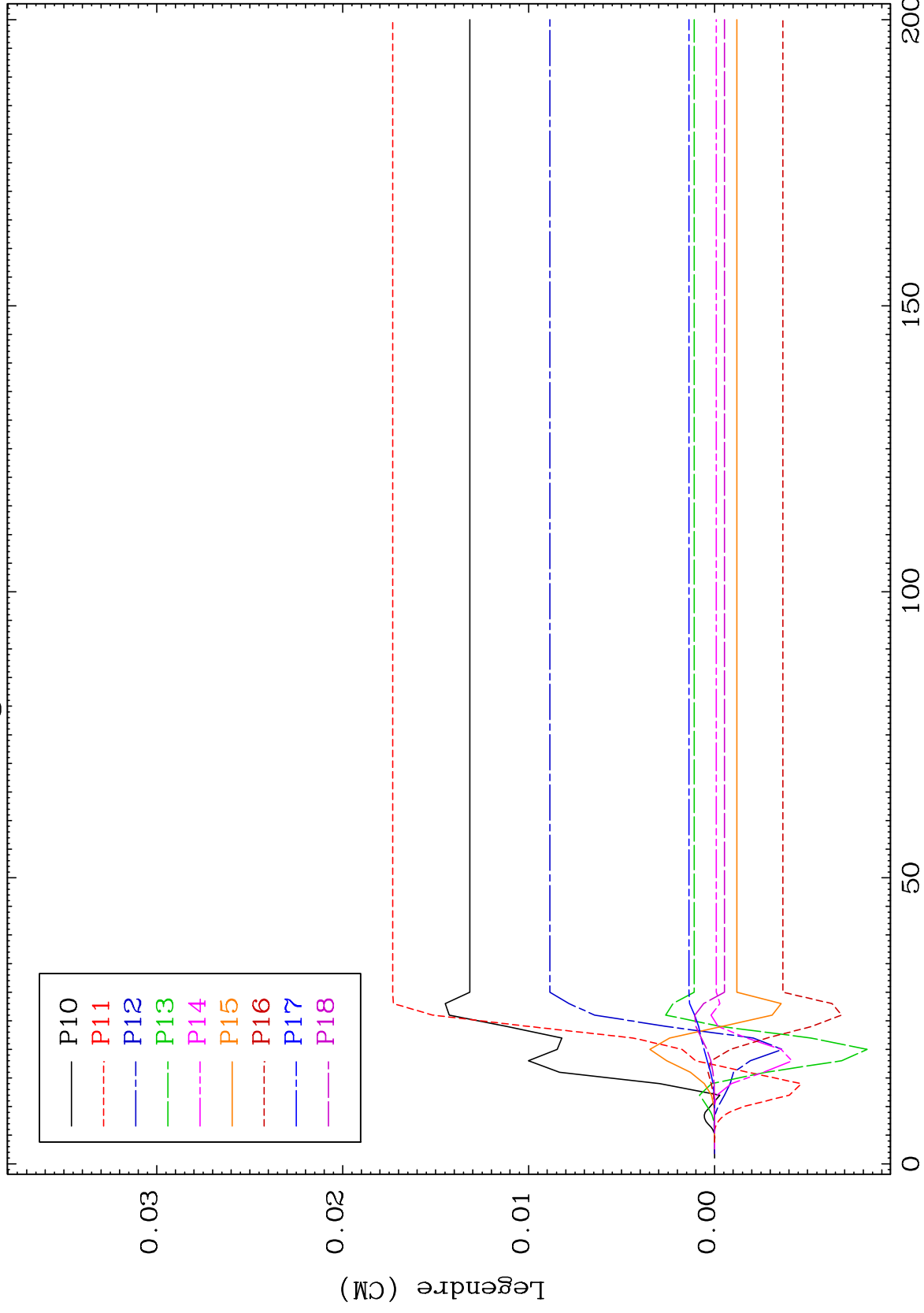
Incident Energy (MeV)

22

MAT 6201

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

62-Sm-136

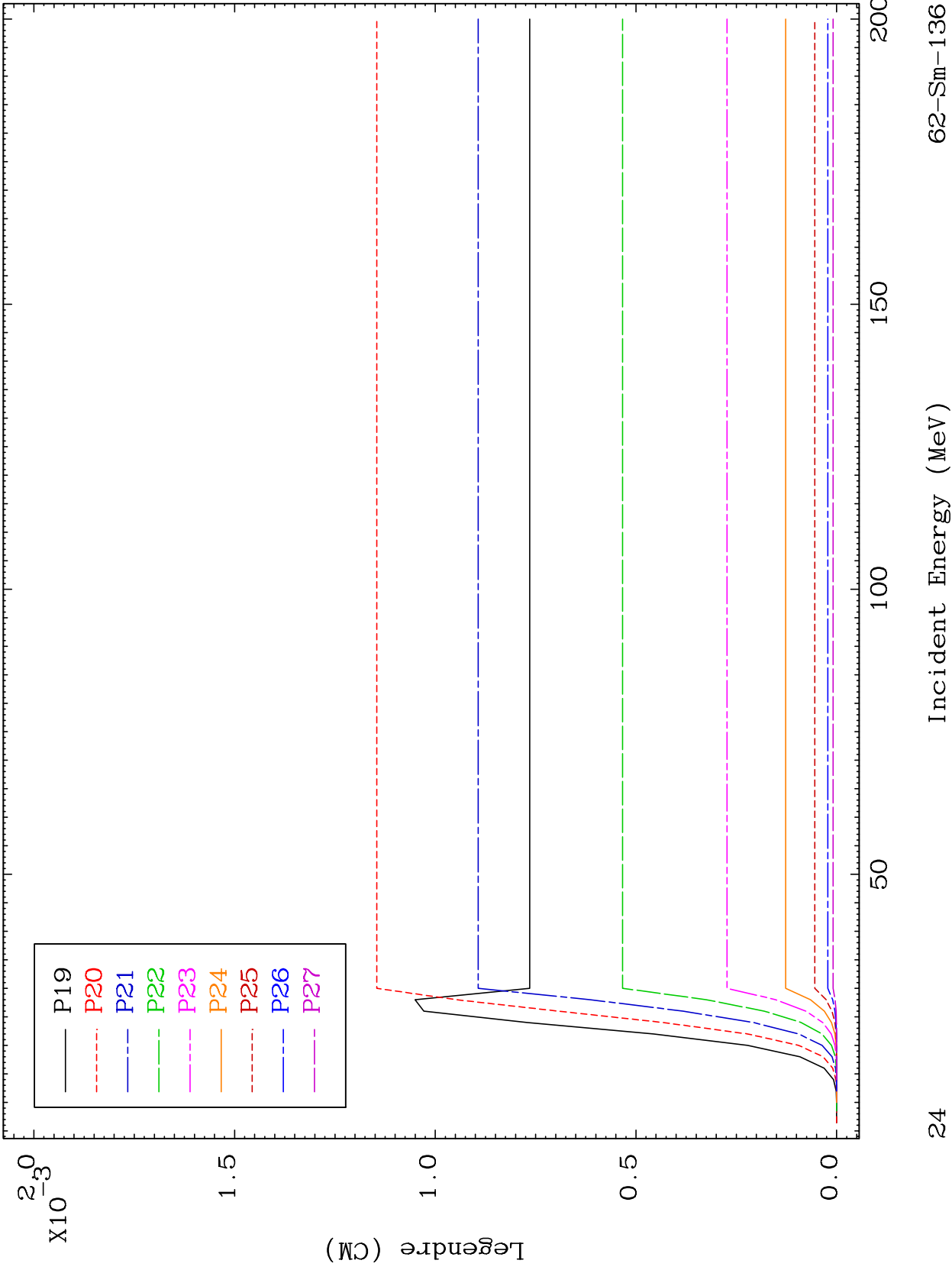


23

Incident Energy (MeV)

62-Sm-136

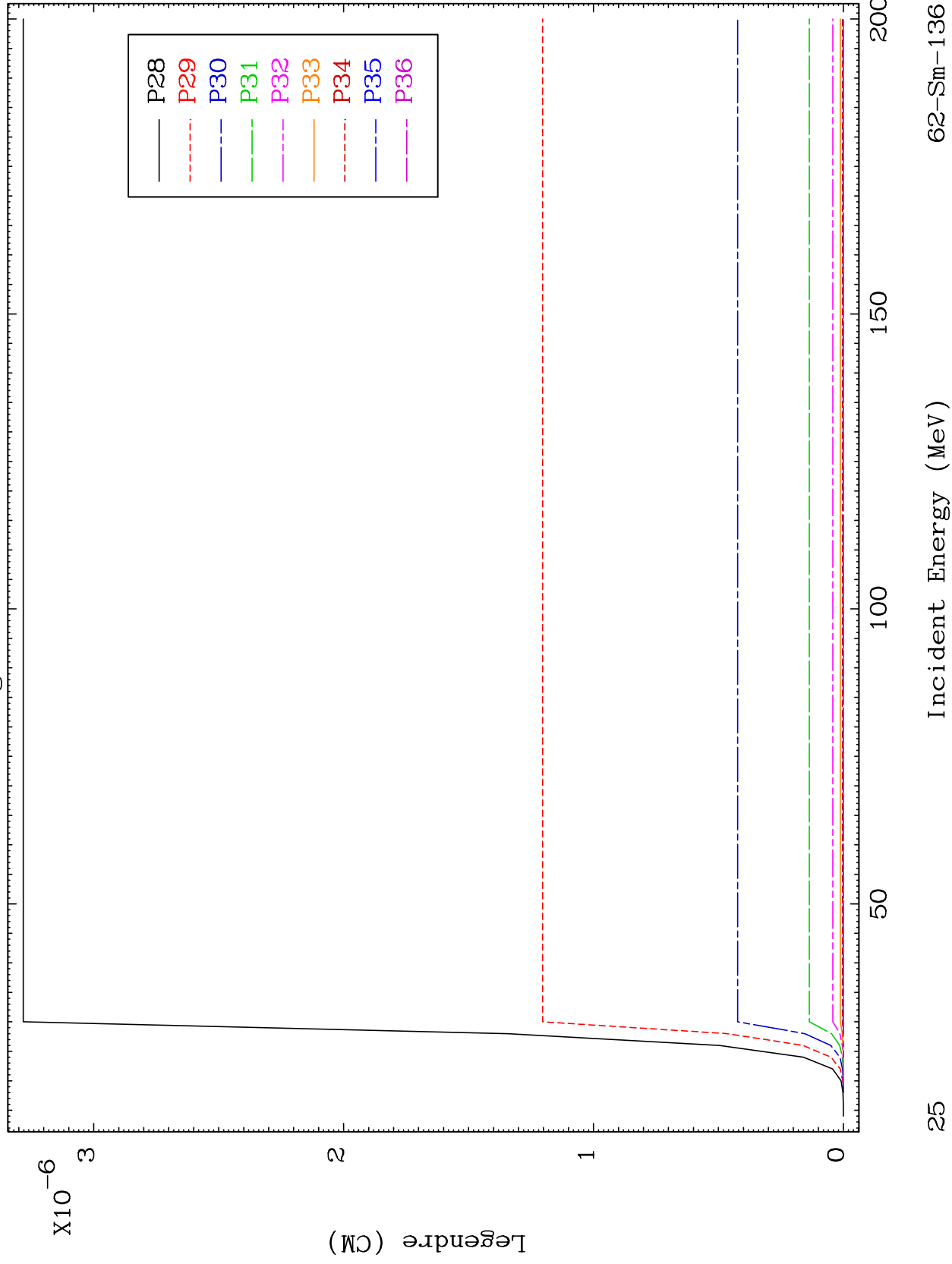




MAT 6201

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

62-Sm-136

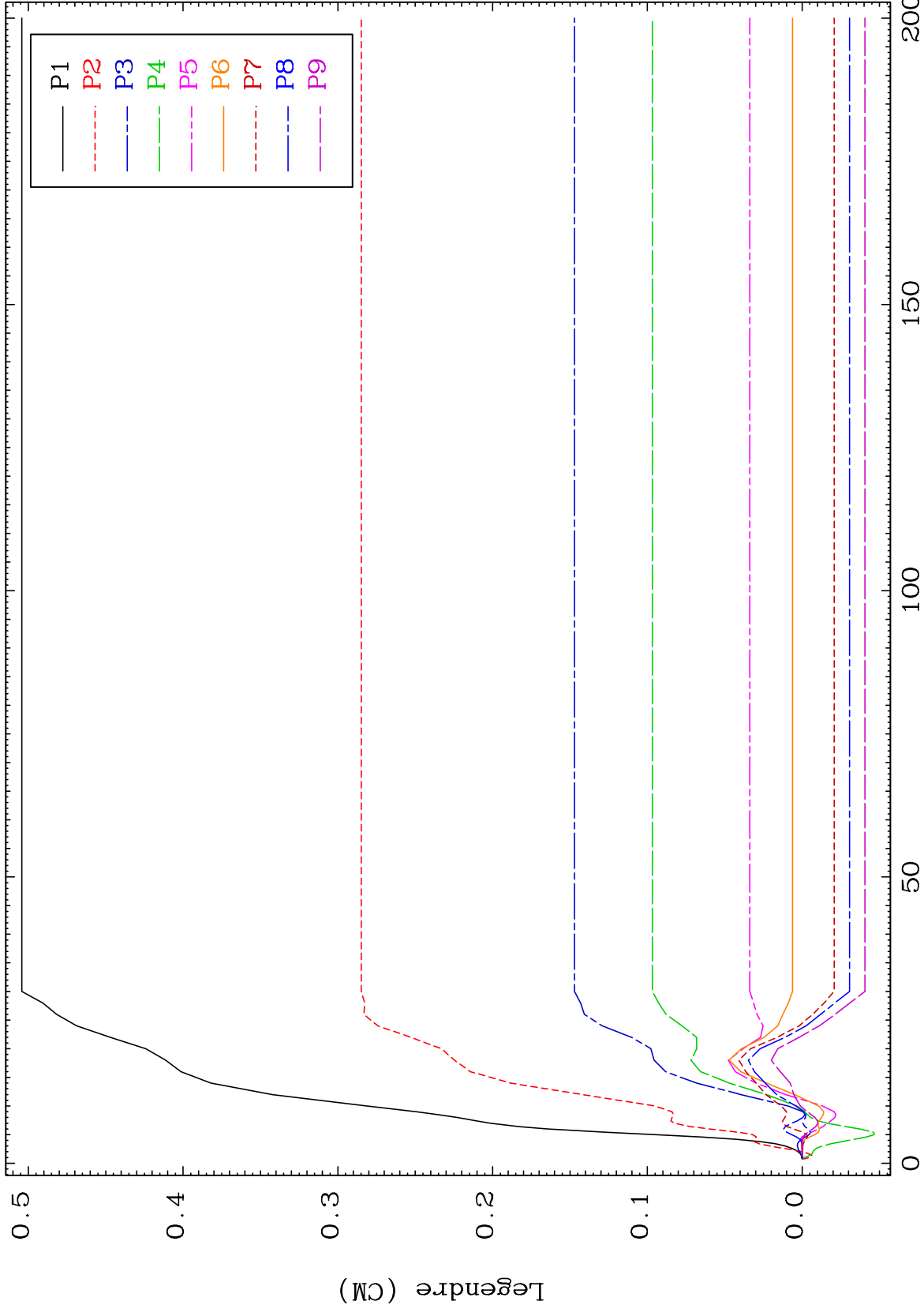


MAT 6201

MT= 53 (n,n') Level

62-Sm-136

Legendre Coefficients

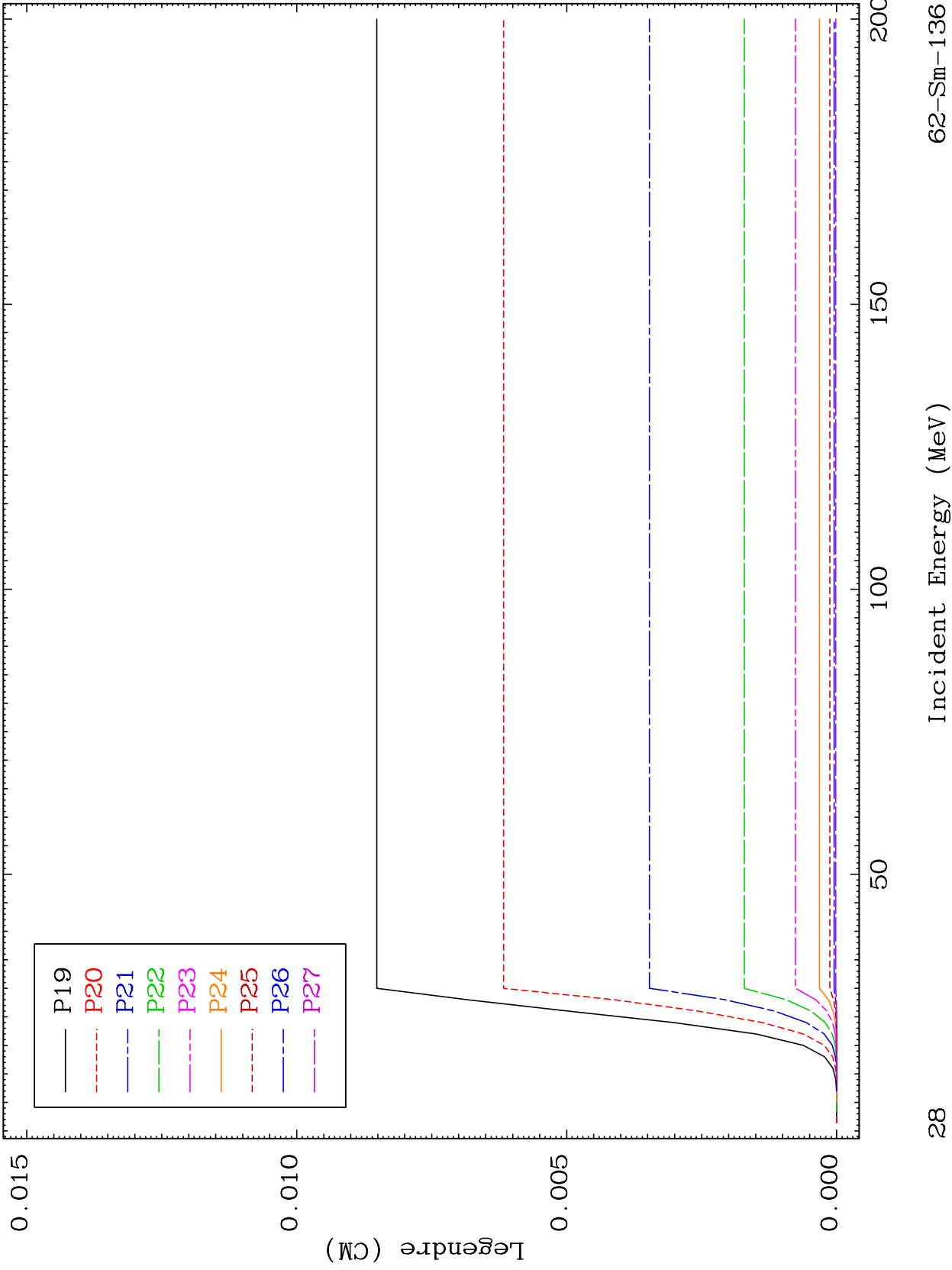


26

Incident Energy (MeV)

62-Sm-136

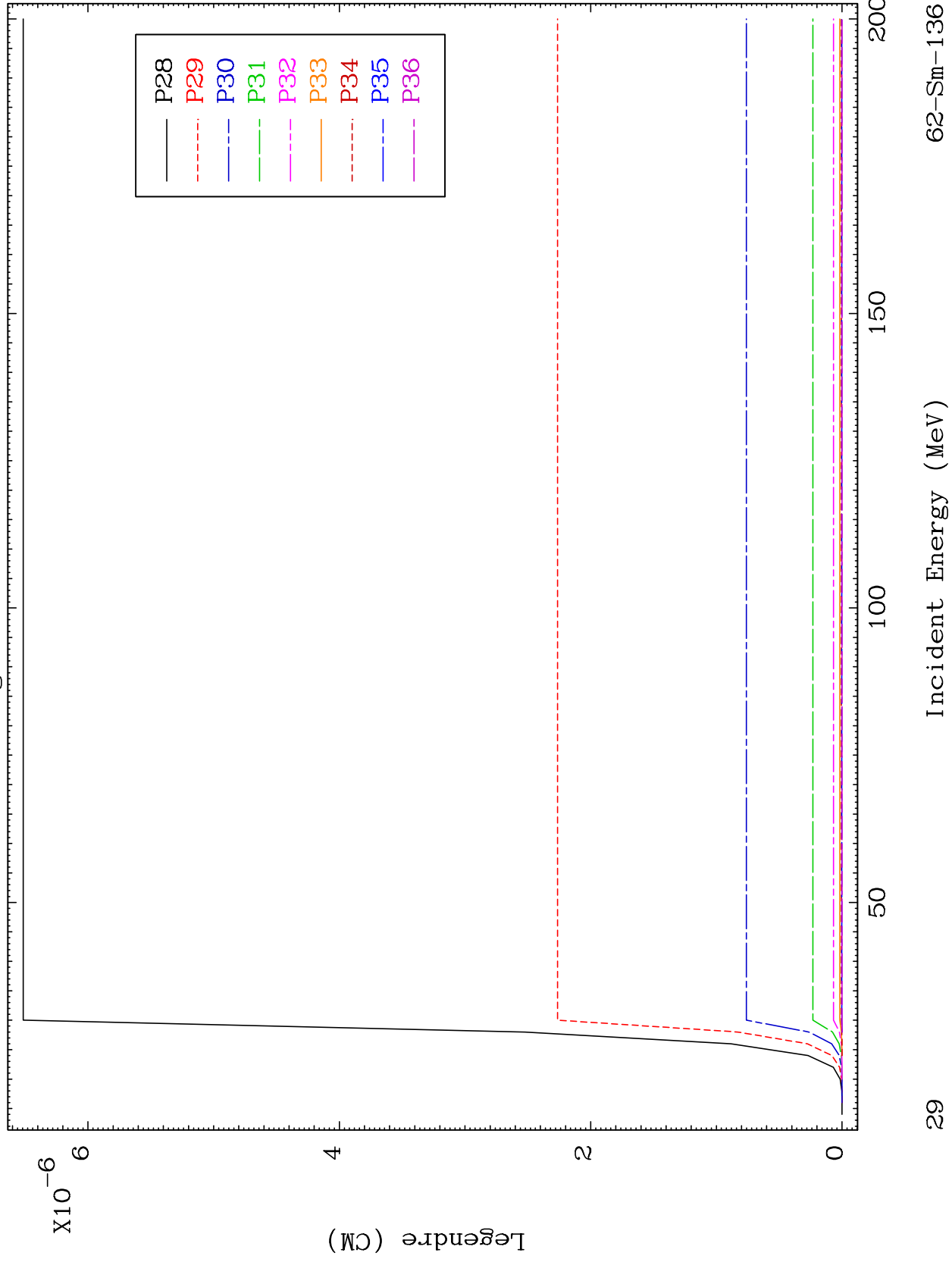




MAT 6201

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

62-Sm-136



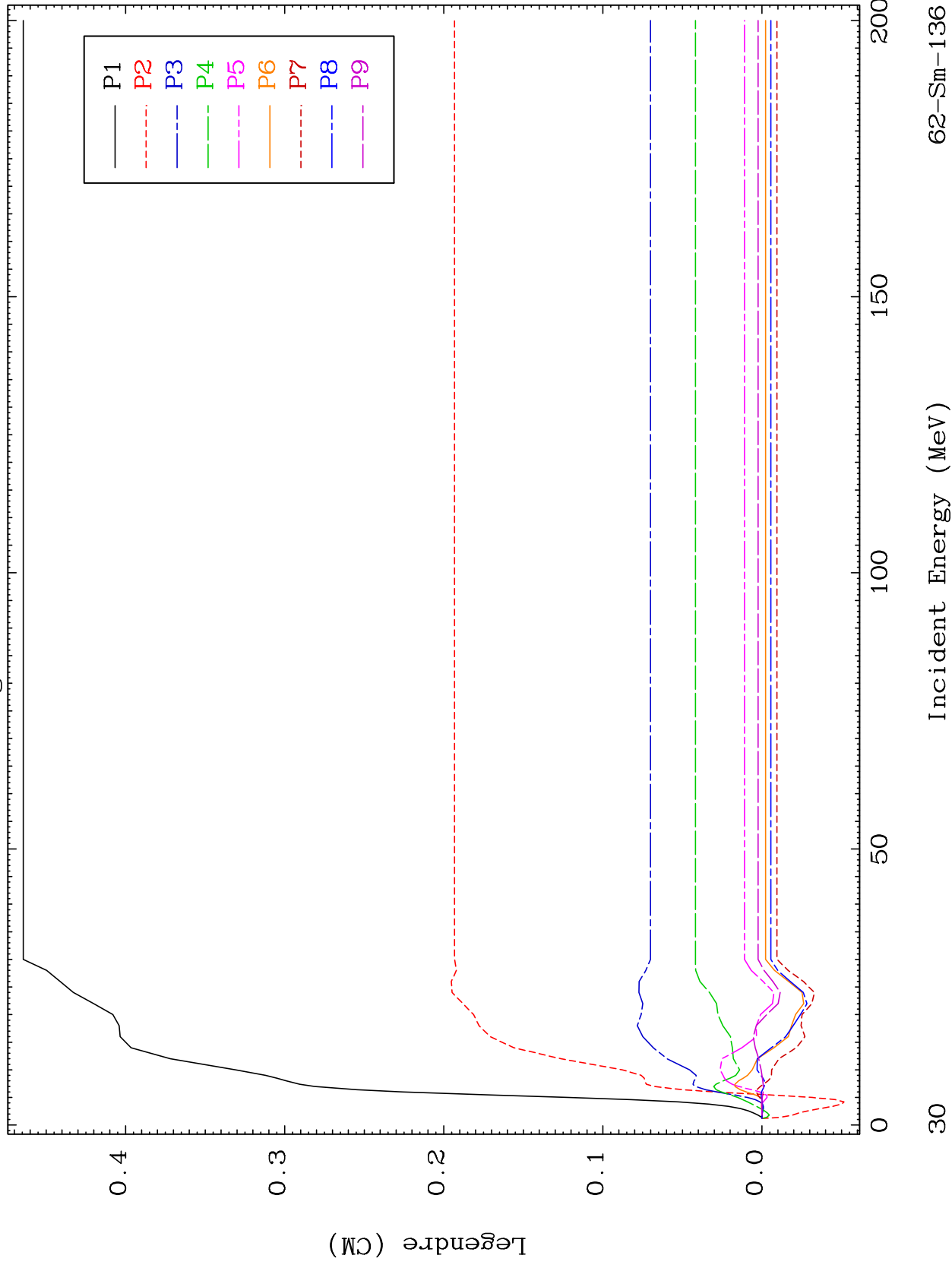
29

62-Sm-136

MAT 6201

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

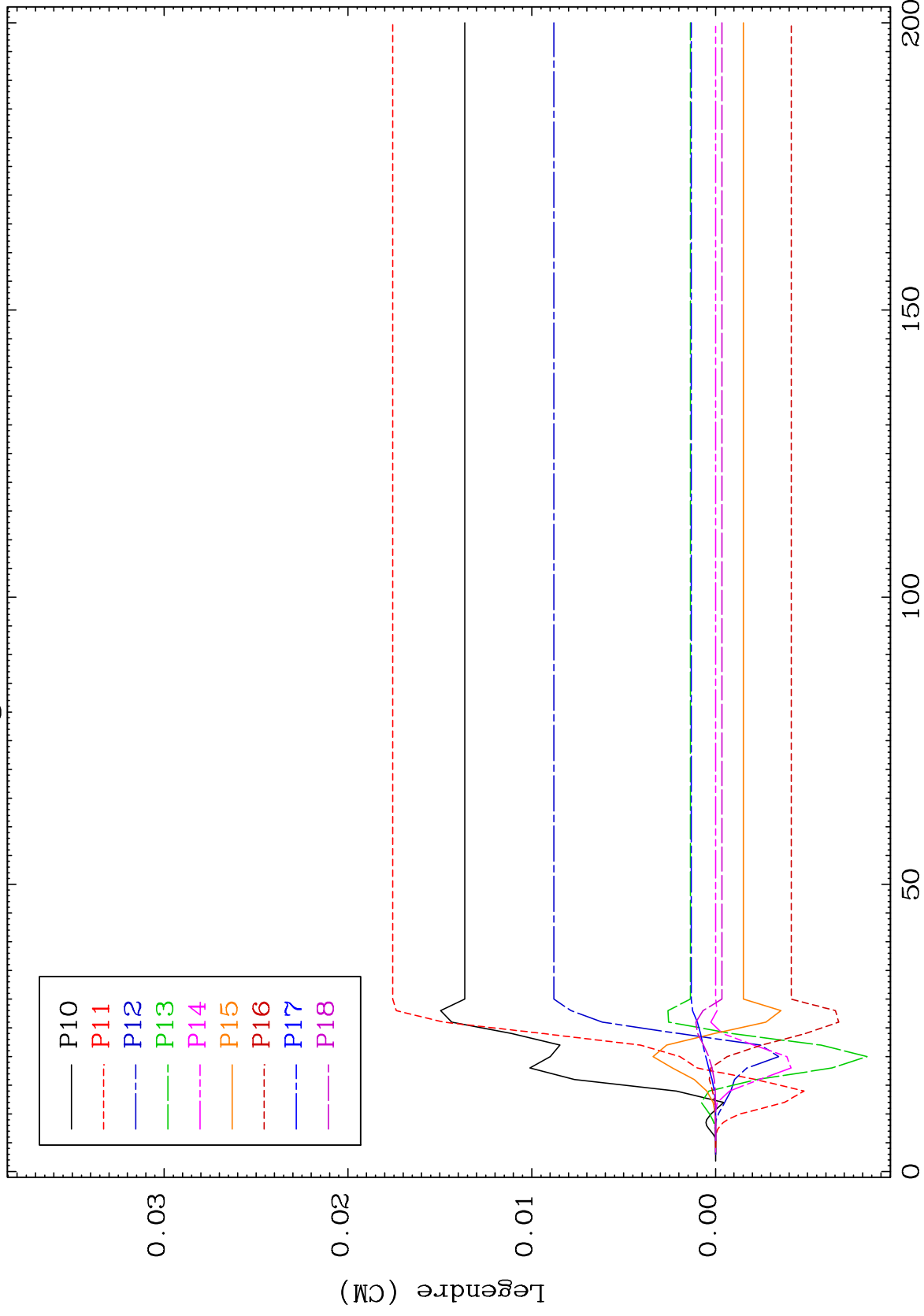
62-Sm-136



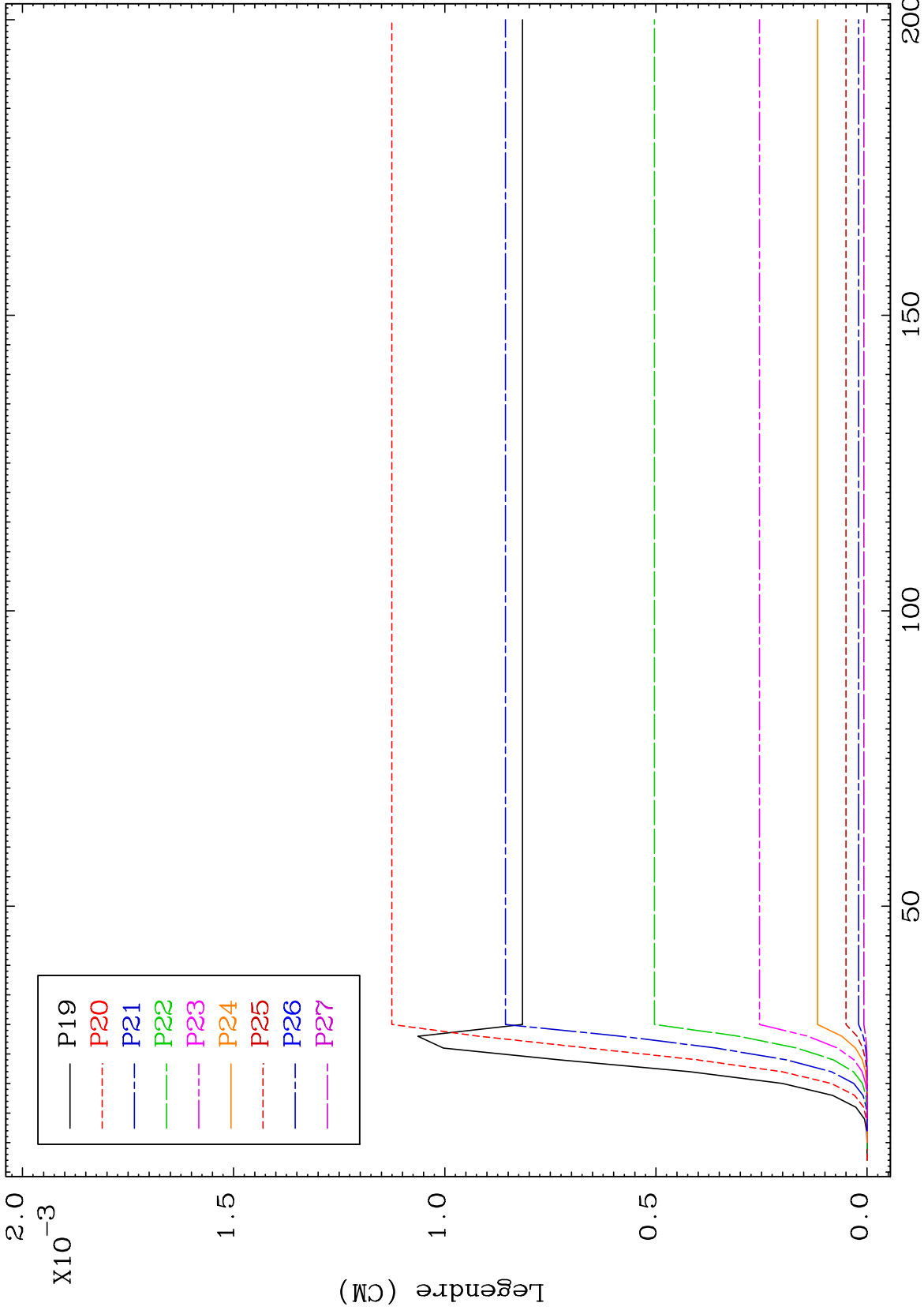
62-Sm-136

Incident Energy (MeV)

30



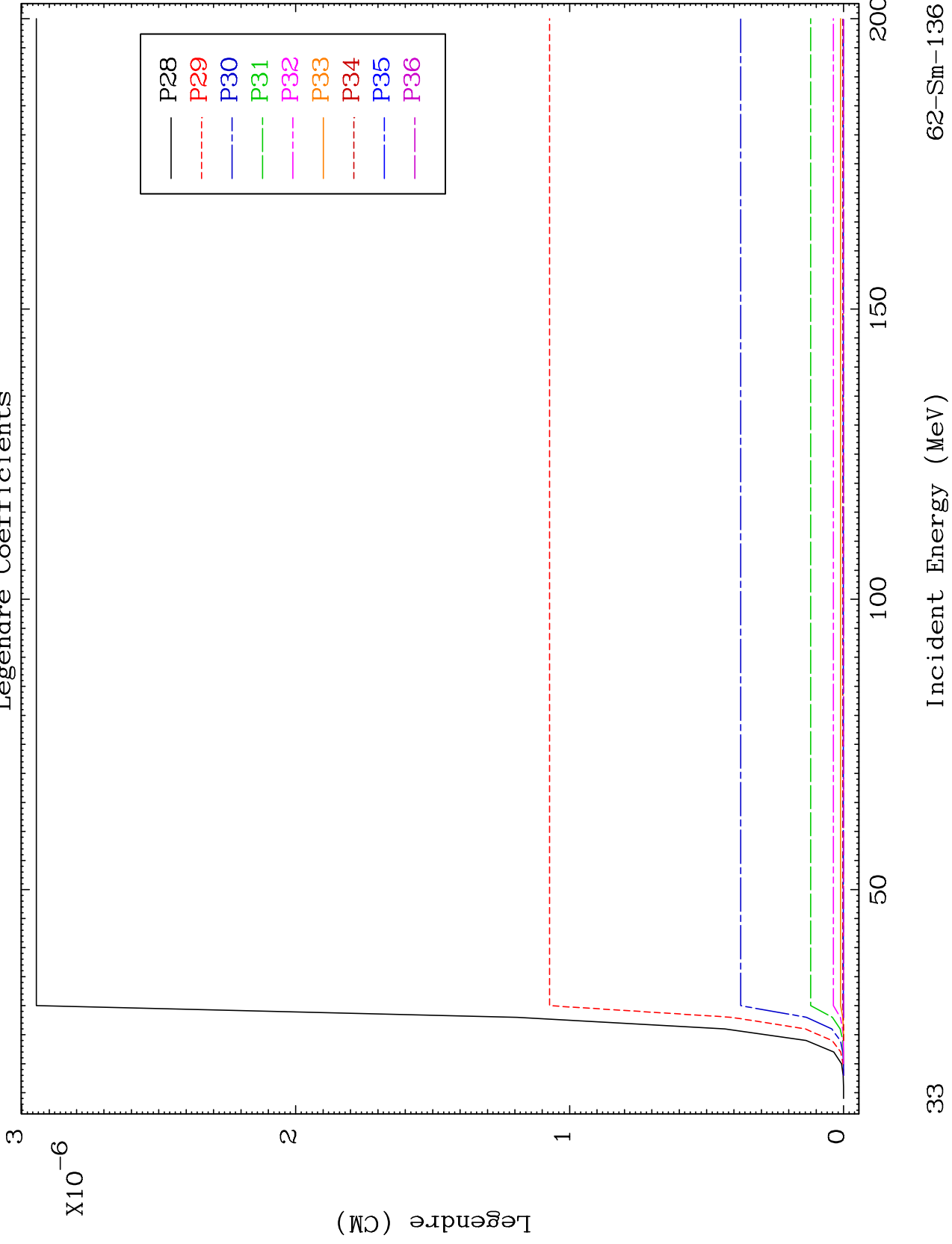




MAT 6201

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

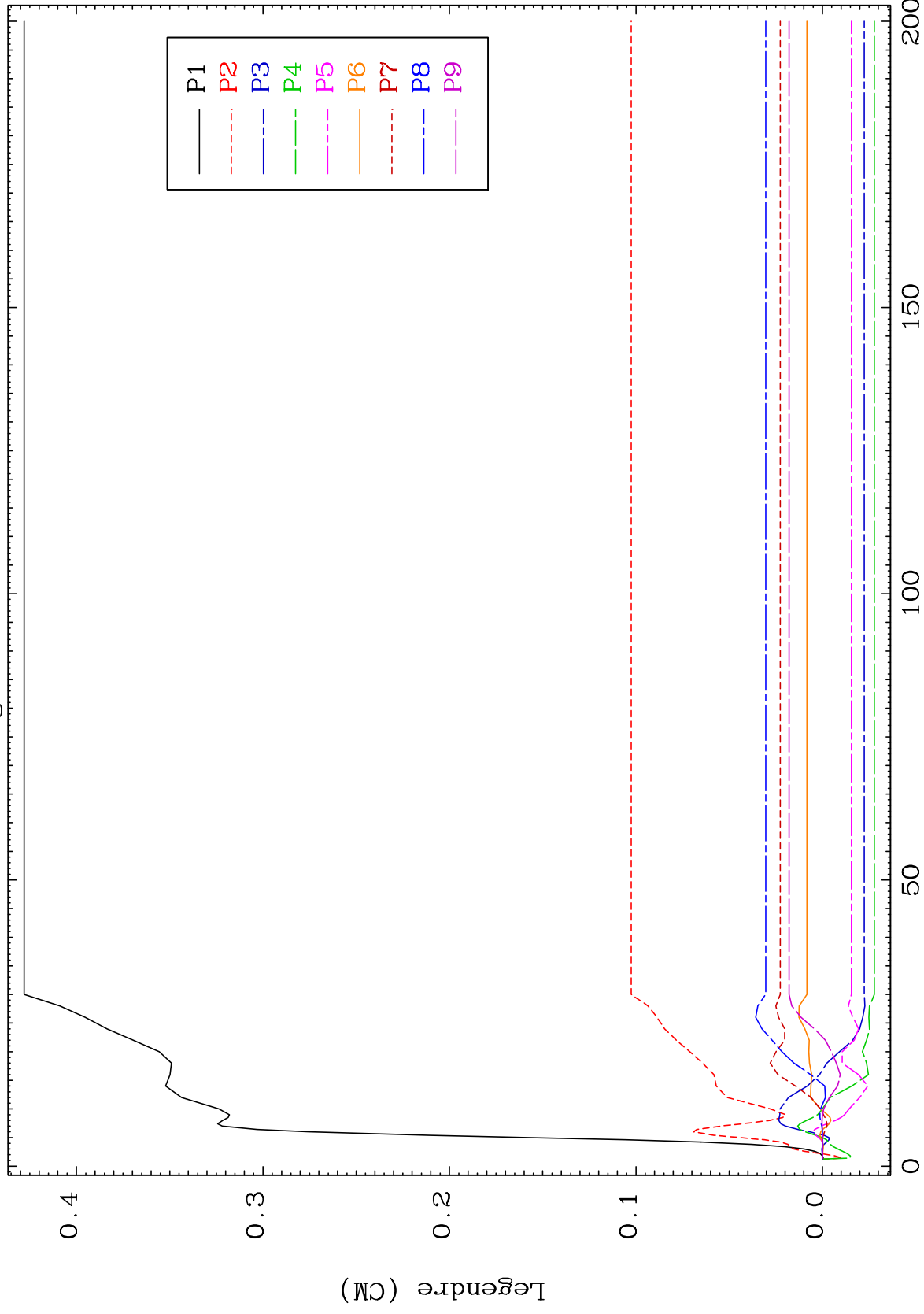
62-Sm-136



MAT 6201

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

62-Sm-136



34

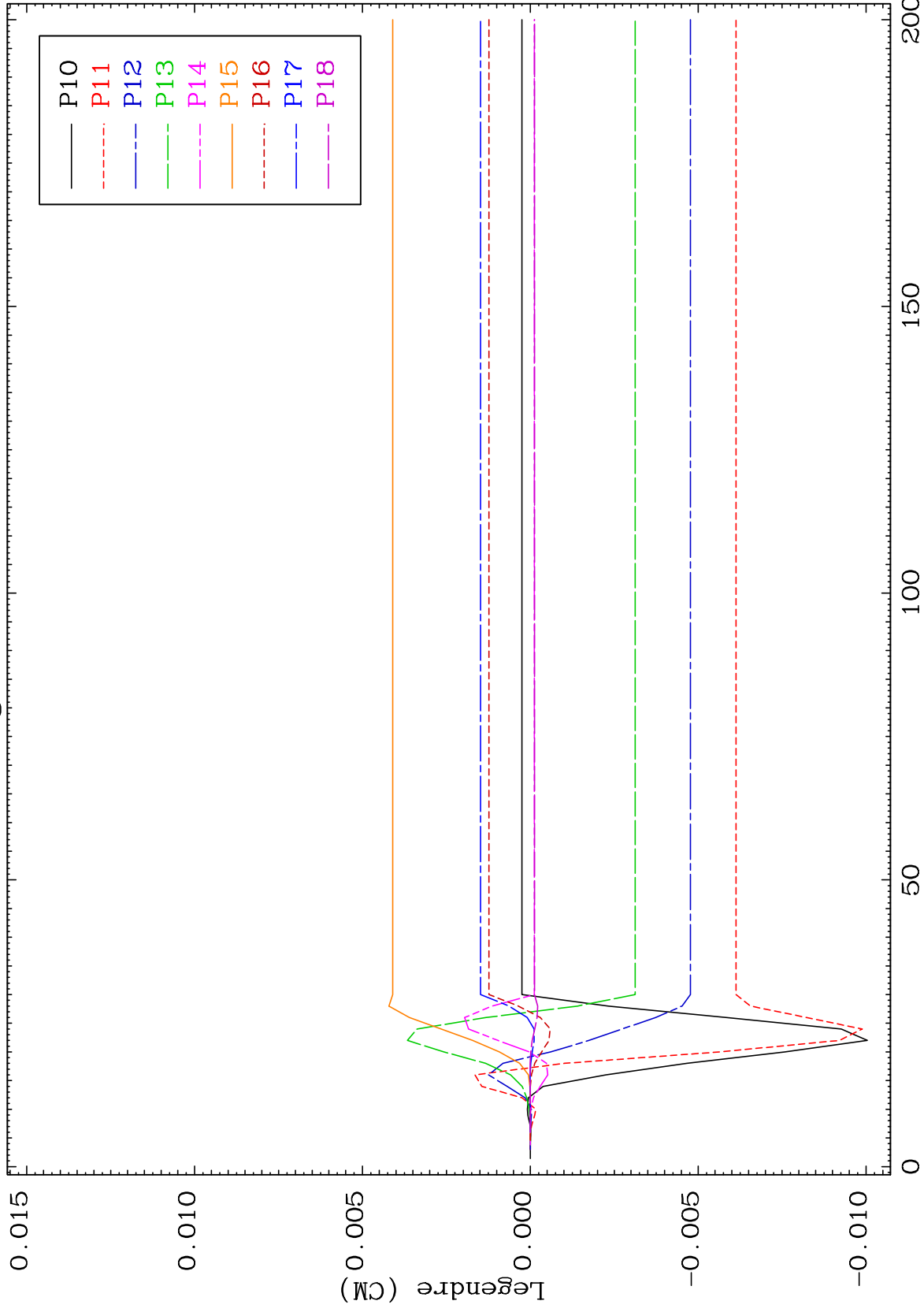
Incident Energy (MeV)

62-Sm-136

MAT 6201

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

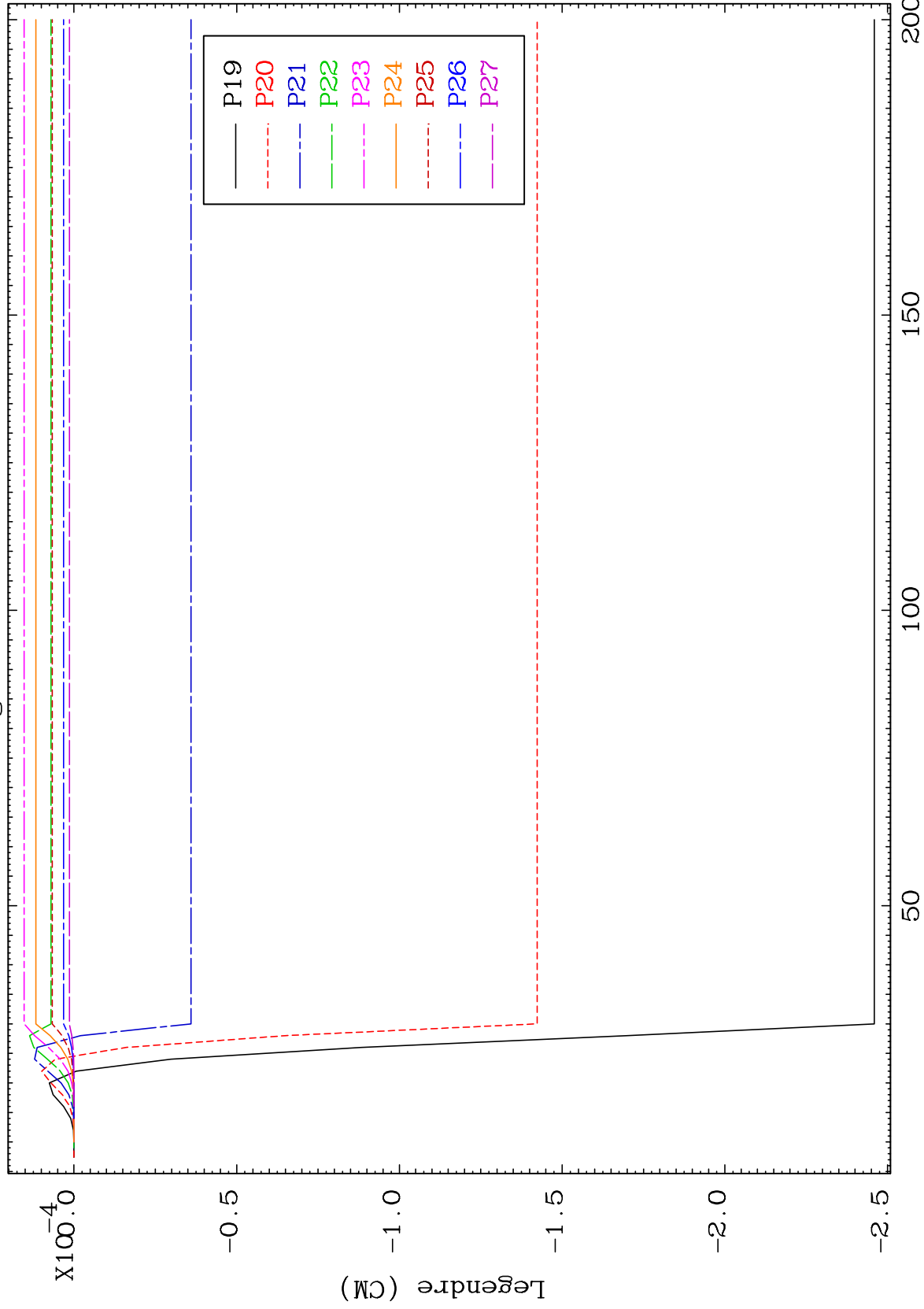
62-Sm-136



35

Incident Energy (MeV)

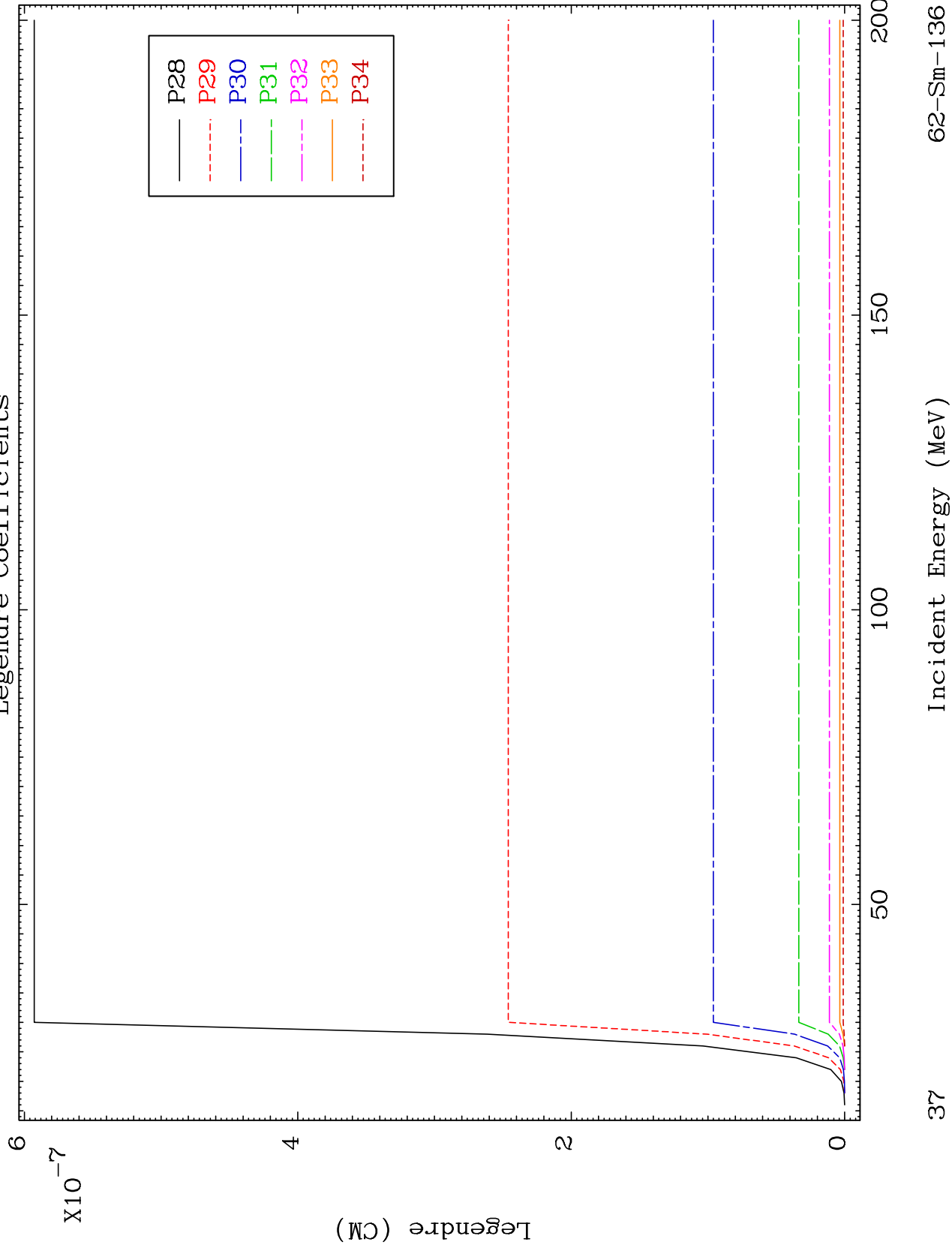
62-Sm-136



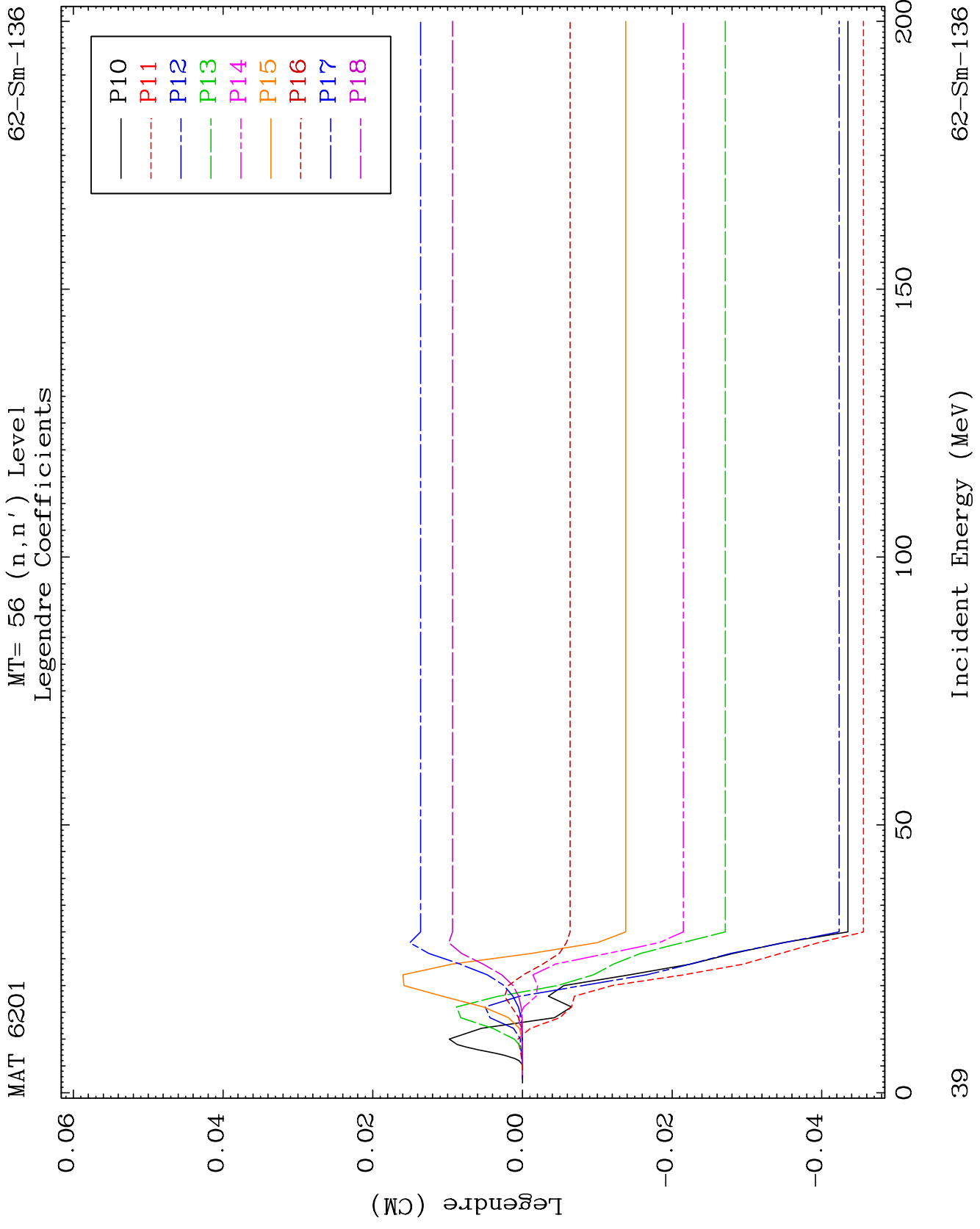
MAT 6201

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

62-Sm-136





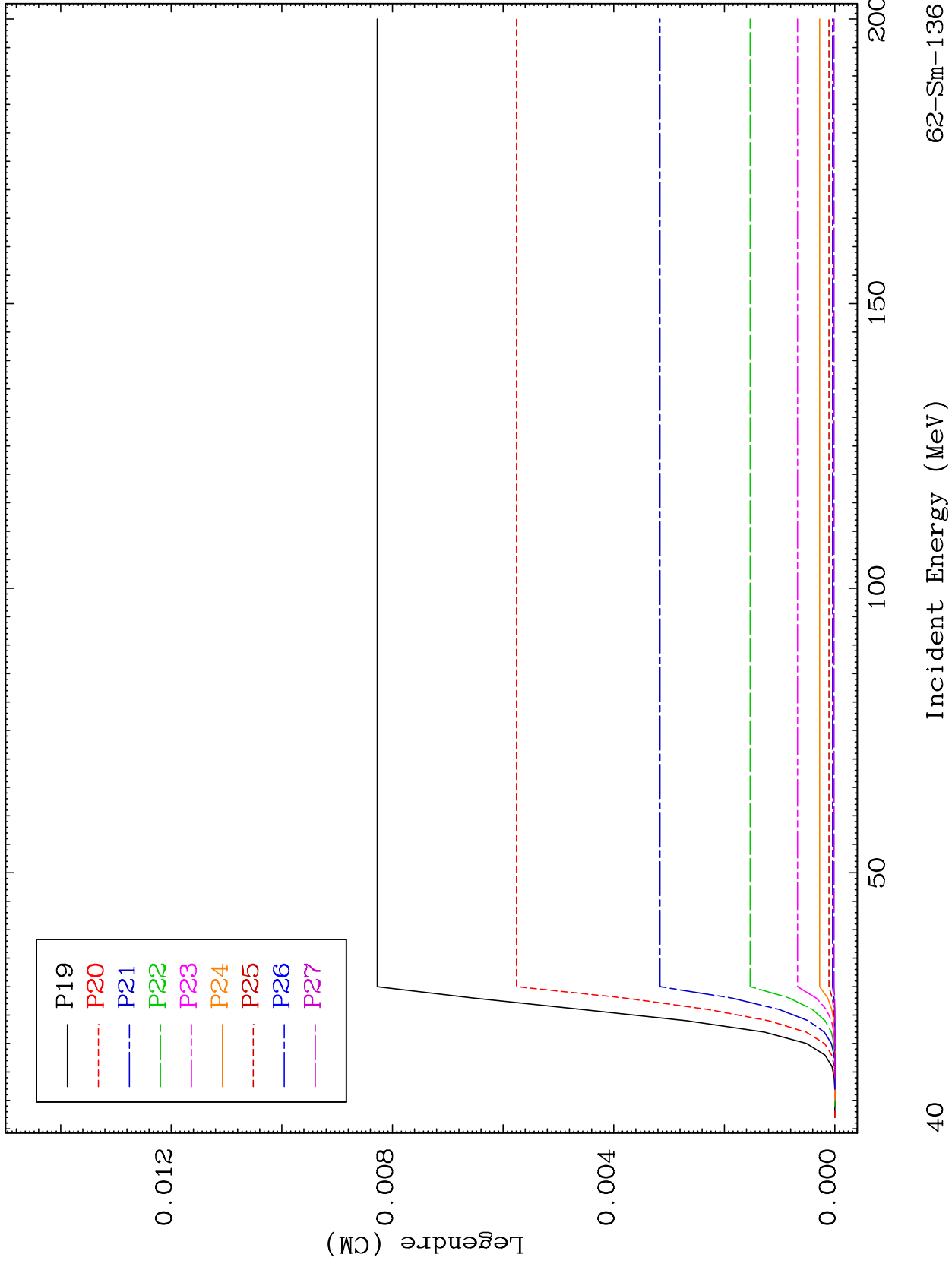




MAT 6201

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

62-Sm-136



62-Sm-136

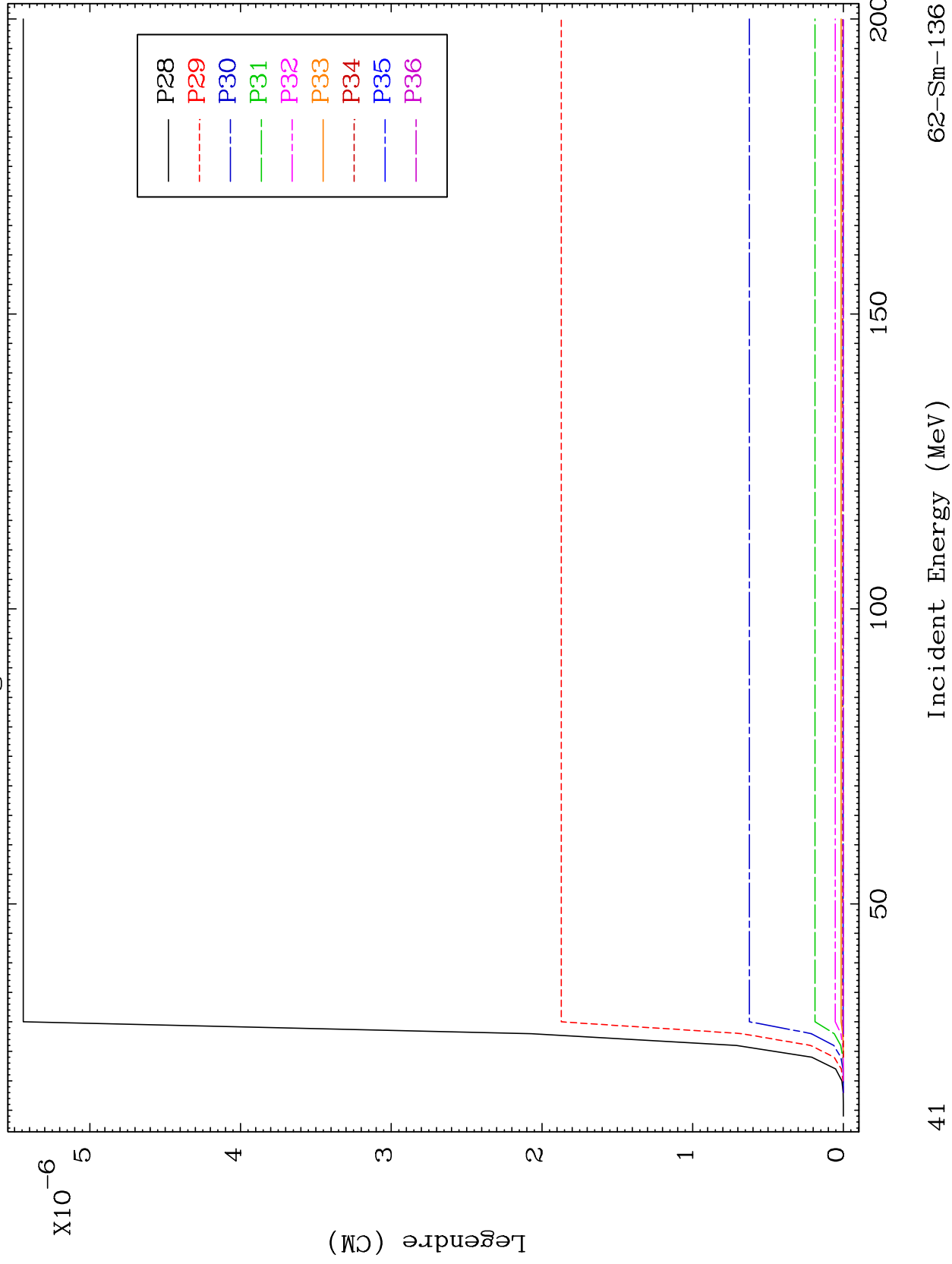
Incident Energy (MeV)

40

MAT 6201

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

62-Sm-136

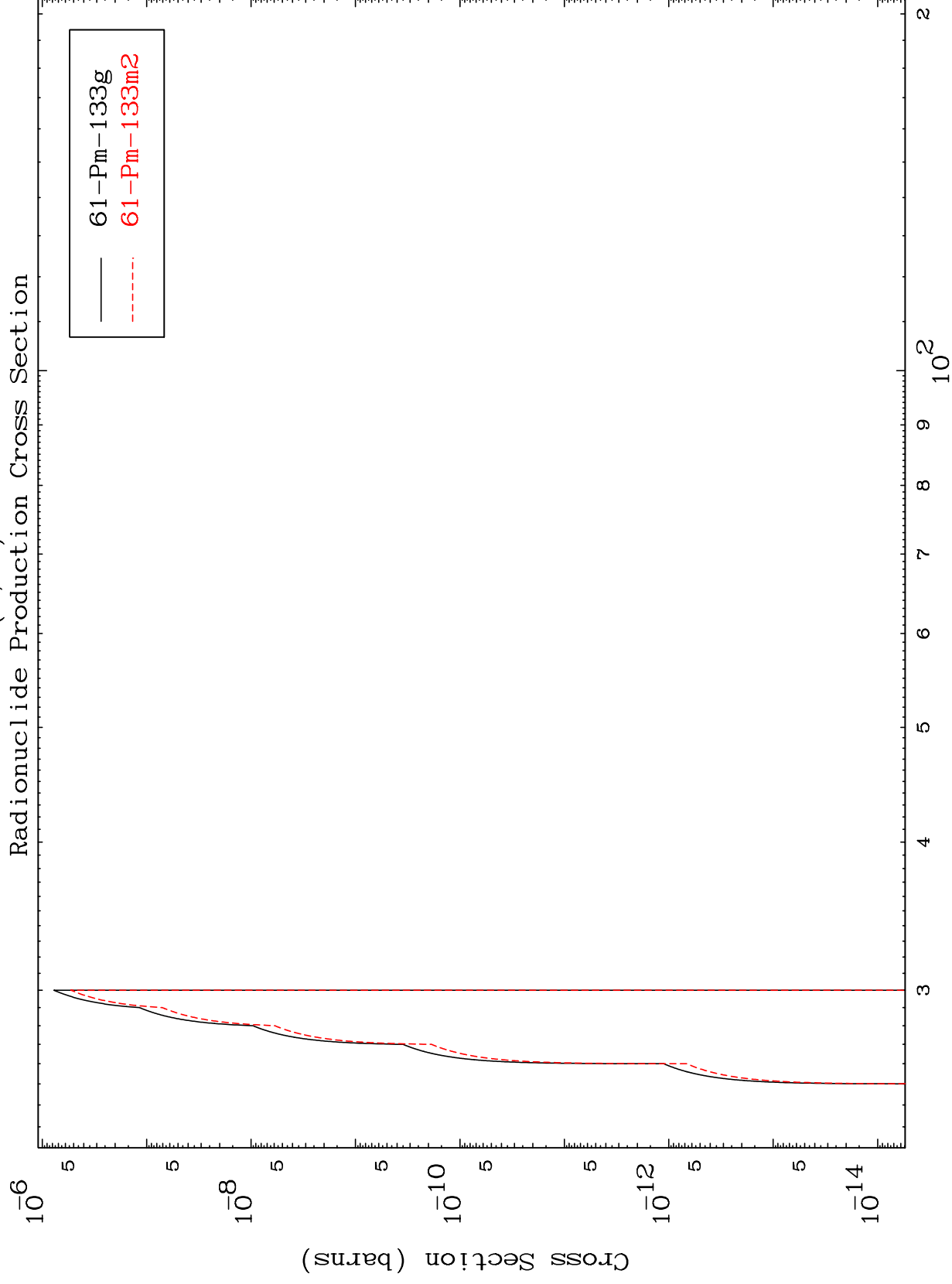


MAT 6201

(n,2n) d

62-Sm-136

Radionuclide Production Cross Section



42

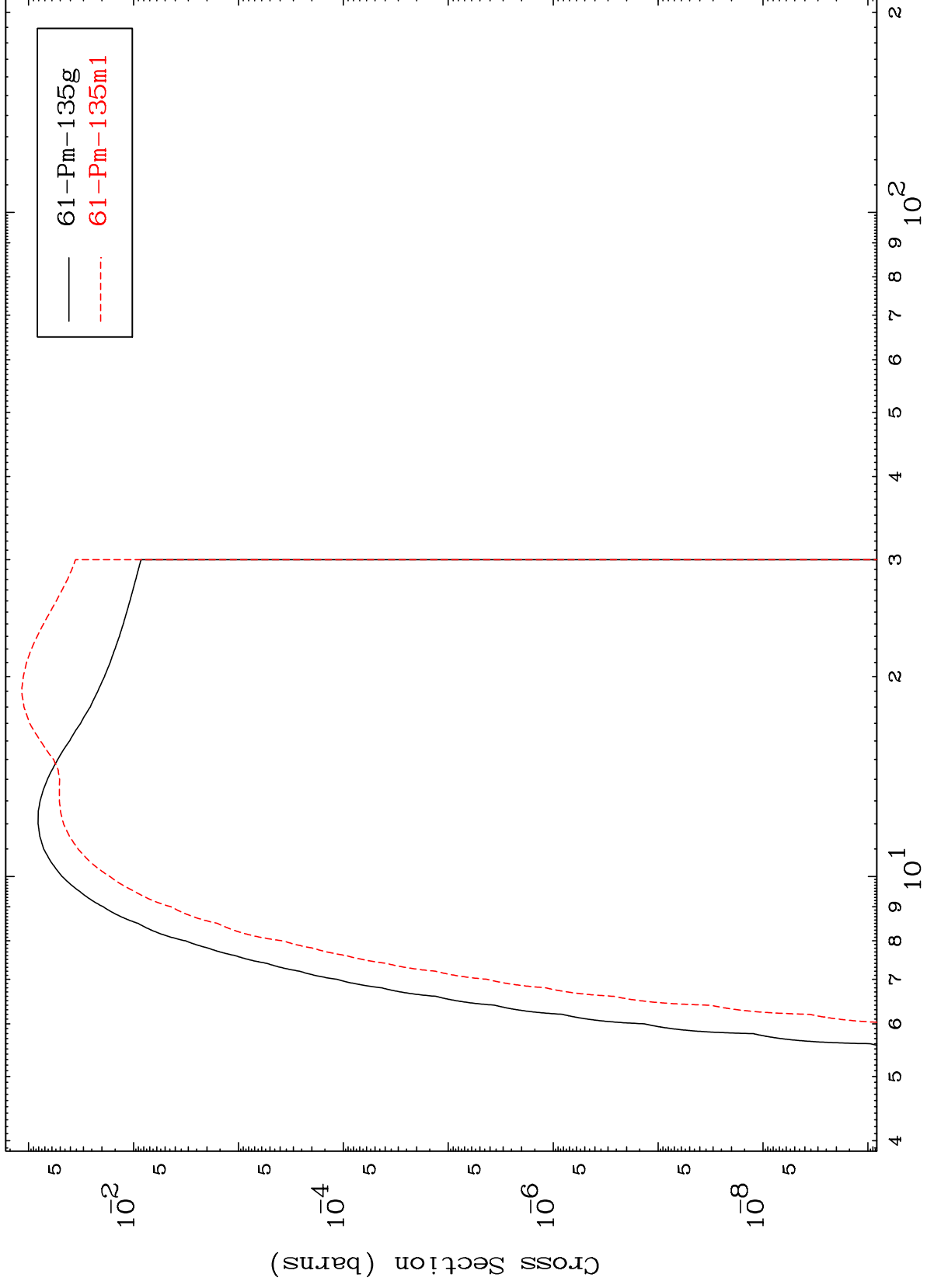
Incident Energy (MeV)

62-Sm-136

MAT 6201

62-Sm-136

(n,n') p  
Radionuclide Production Cross Section



43

Incident Energy (MeV)

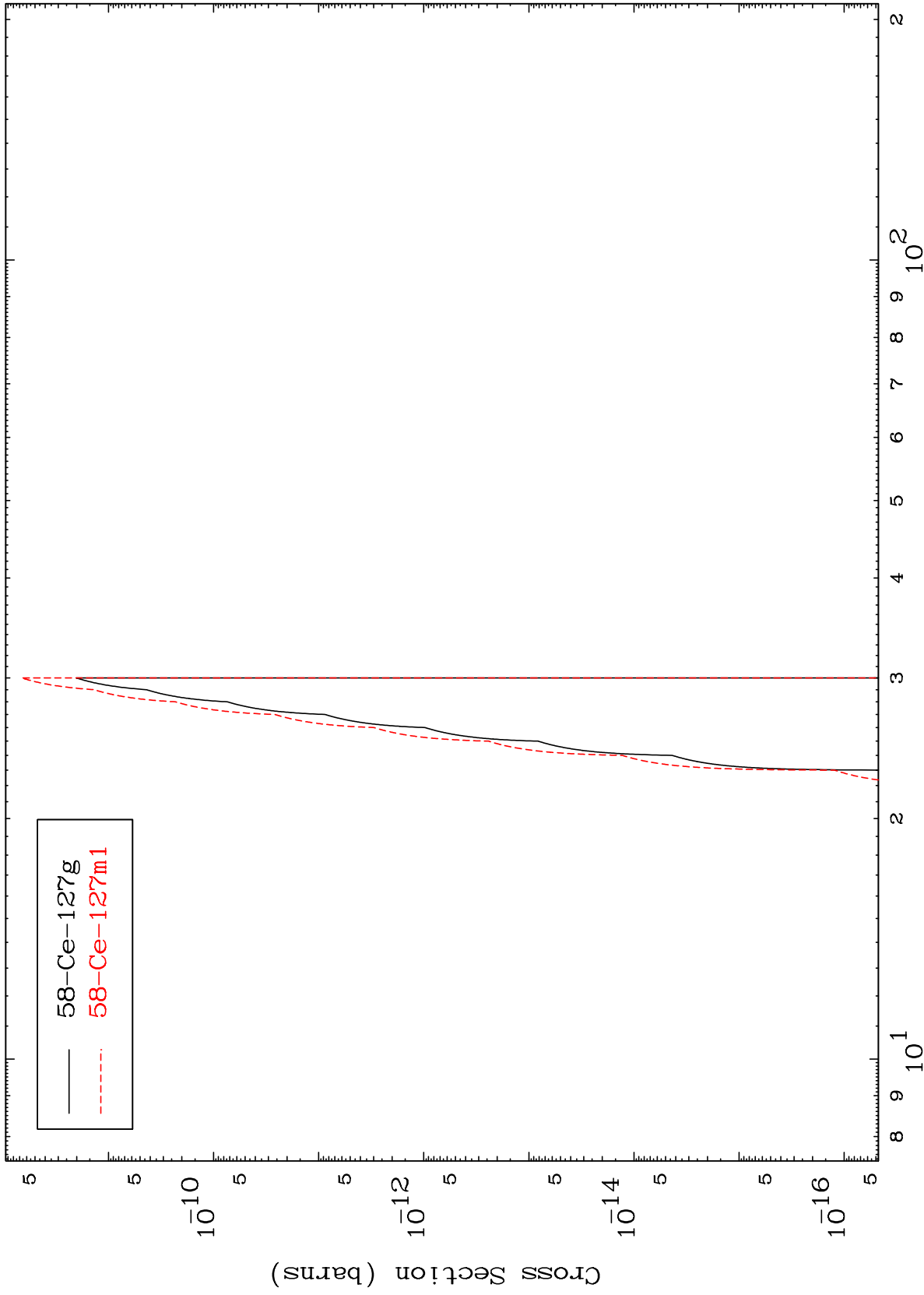
62-Sm-136

MAT 6201

(n,2n) 2 $\alpha$

62-Sm-136

Radionuclide Production Cross Section

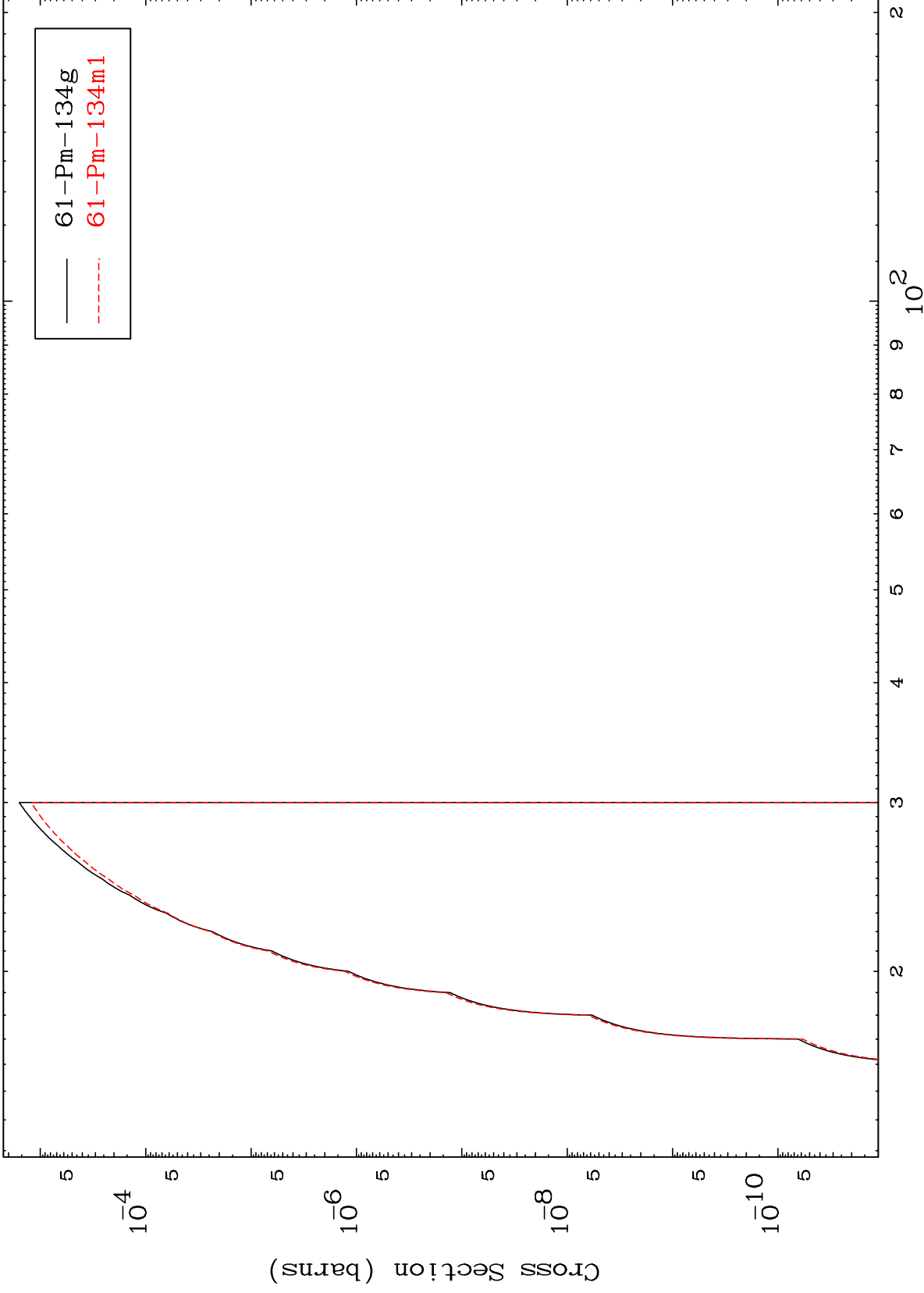


MAT 6201

(n,n') d

62-Sm-136

Radionuclide Production Cross Section

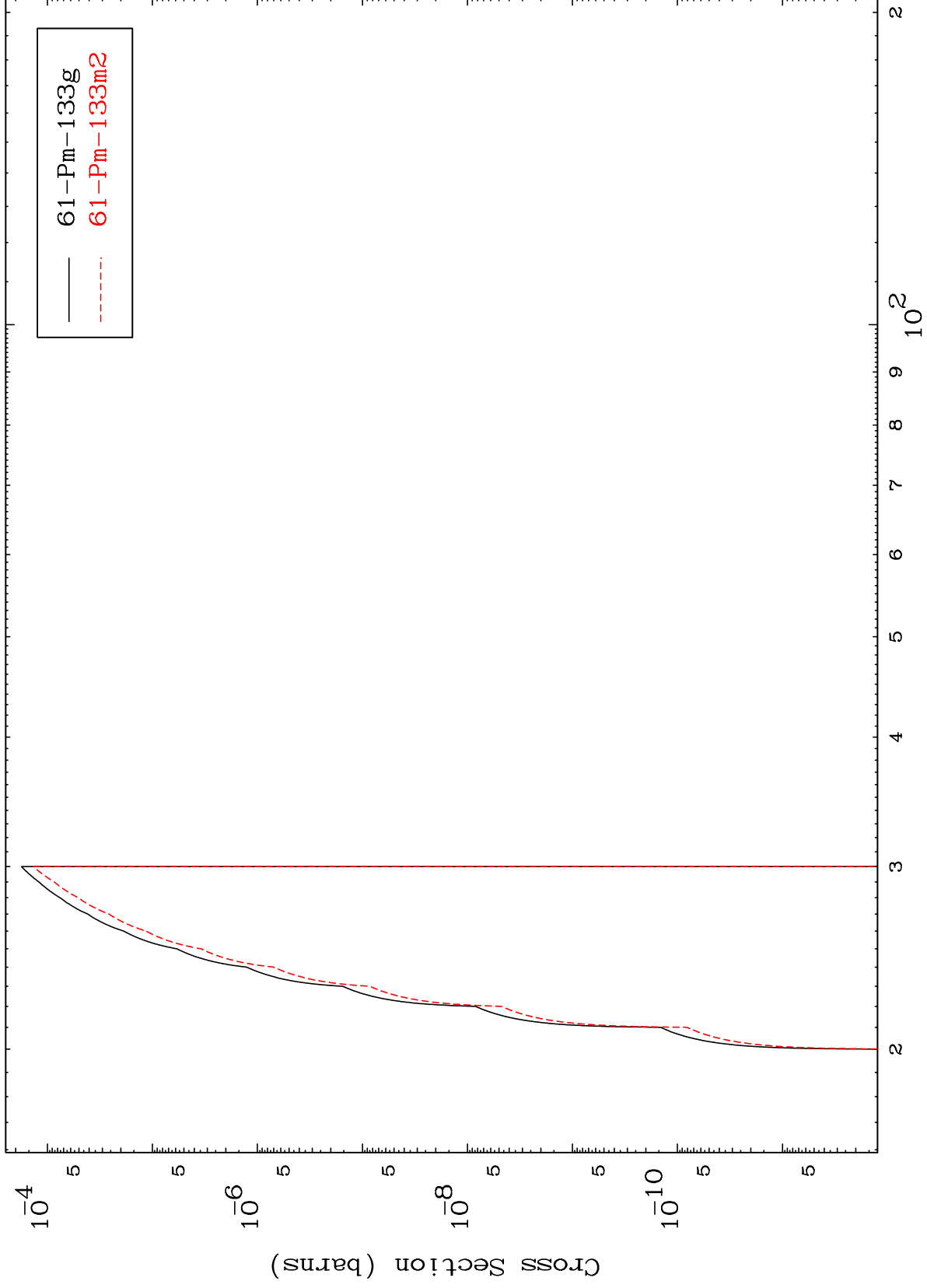


45

Incident Energy (MeV)

62-Sm-136

Radionuclide Production Cross Section

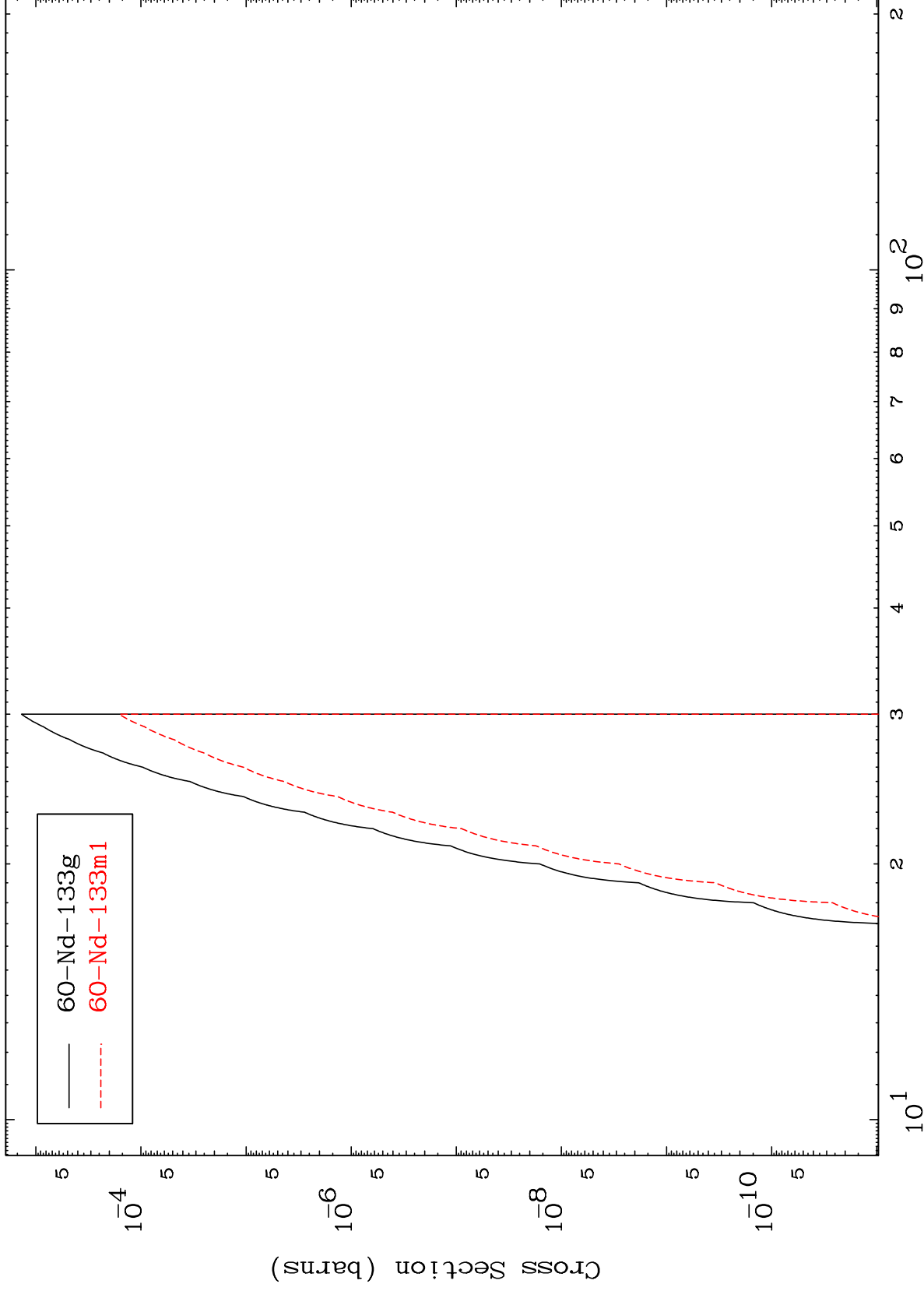


MAT 6201

(n,n') He-3

62-Sm-136

Radionuclide Production Cross Section



47

Incident Energy (MeV)

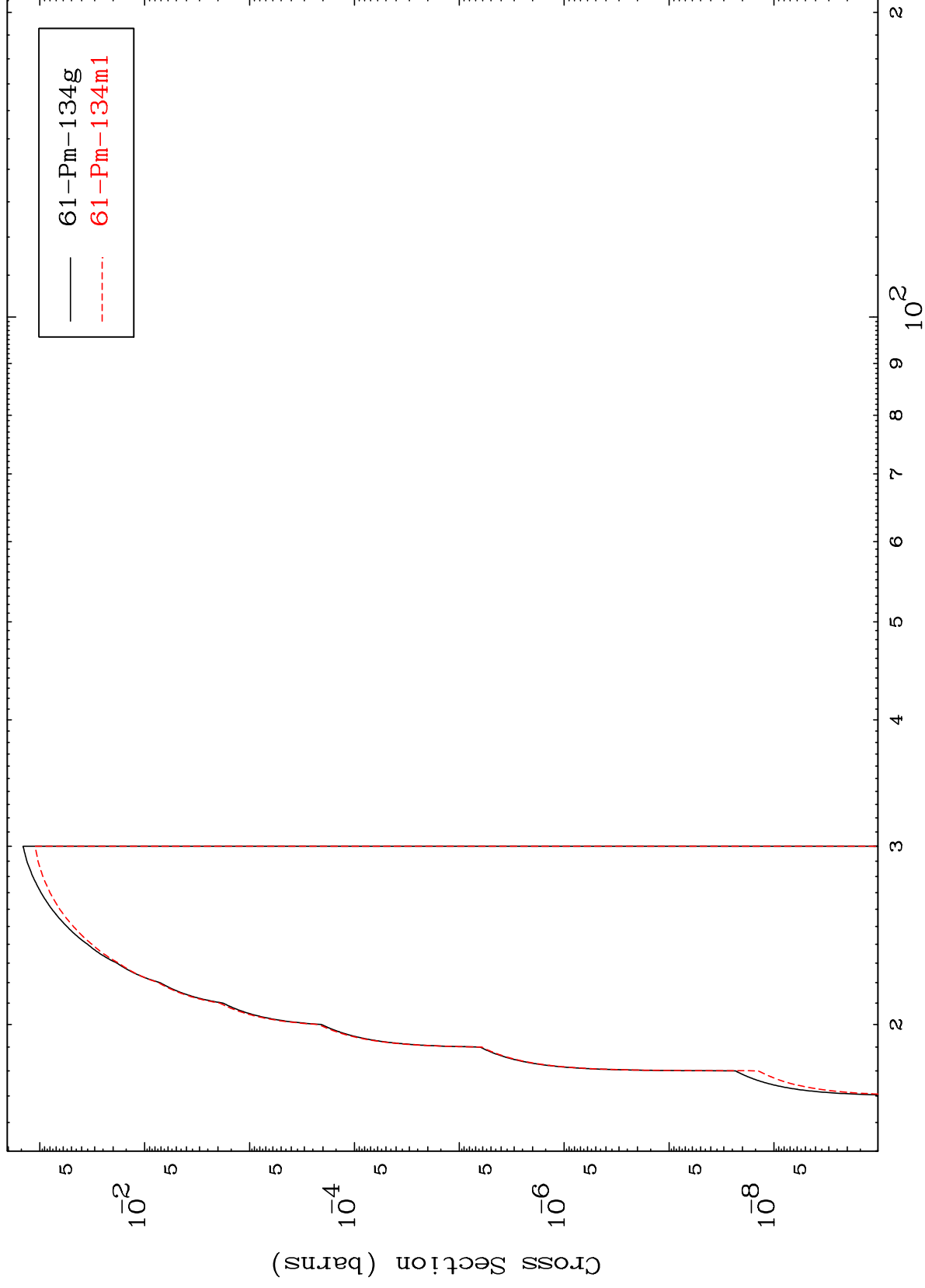
62-Sm-136



MAT 6201

62-Sm-136

(n,2n) p  
Radionuclide Production Cross Section



48

Incident Energy (MeV)

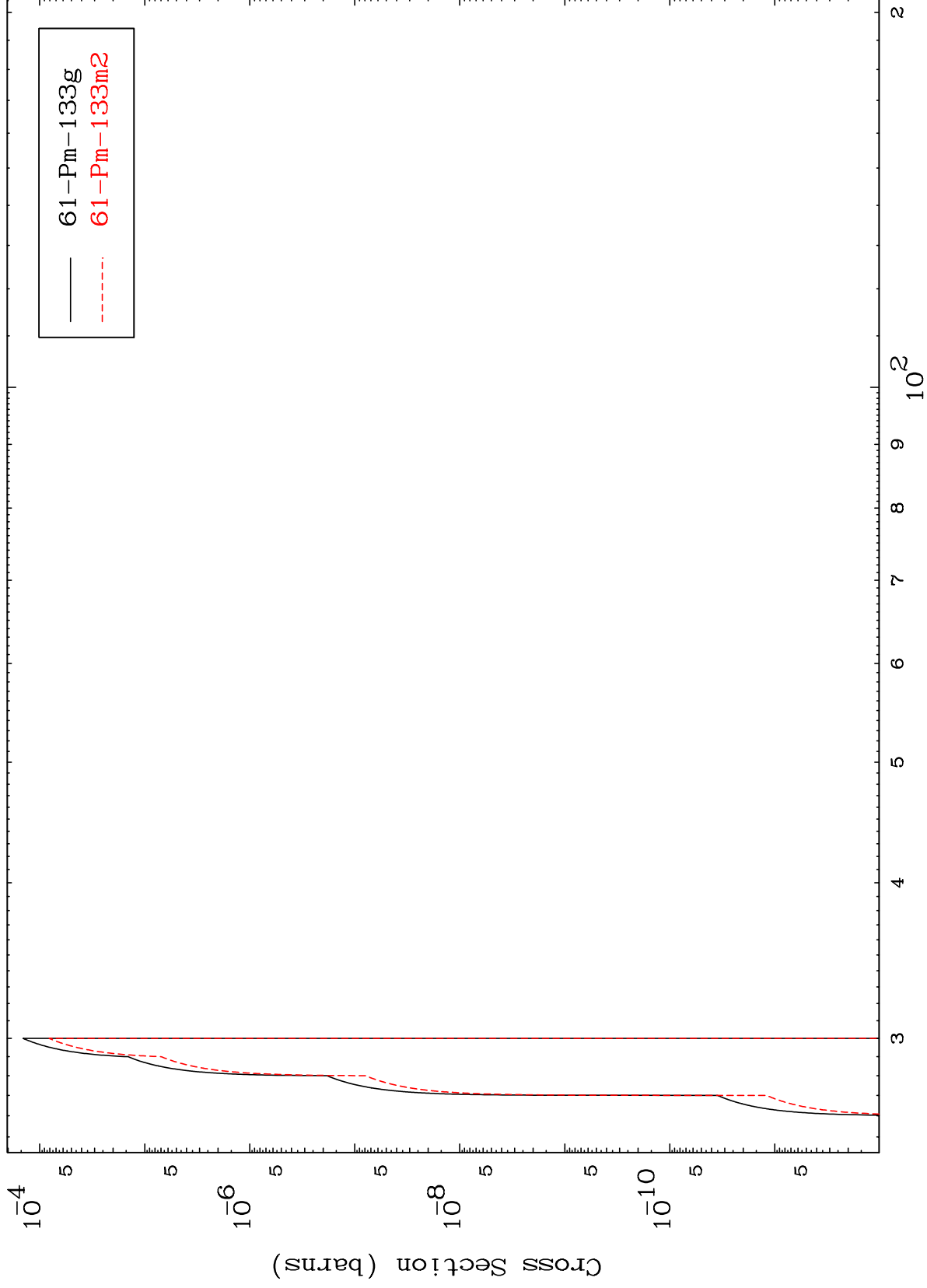
62-Sm-136

MAT 6201

(n,3n) p

62-Sm-136

Radionuclide Production Cross Section



49

Incident Energy (MeV)

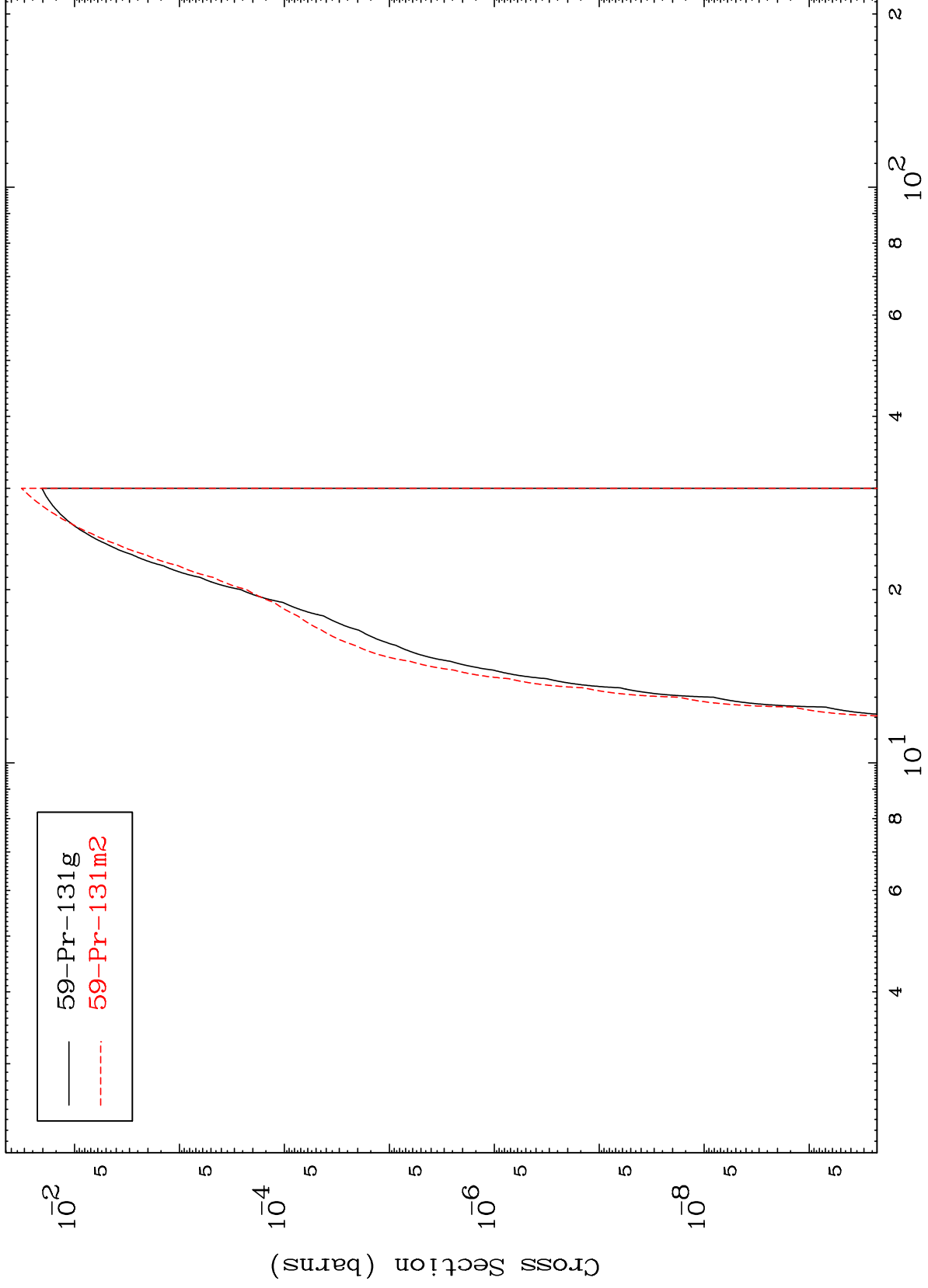
62-Sm-136

MAT 6201

(n,n') p α

62-Sm-136

Radionuclide Production Cross Section



50

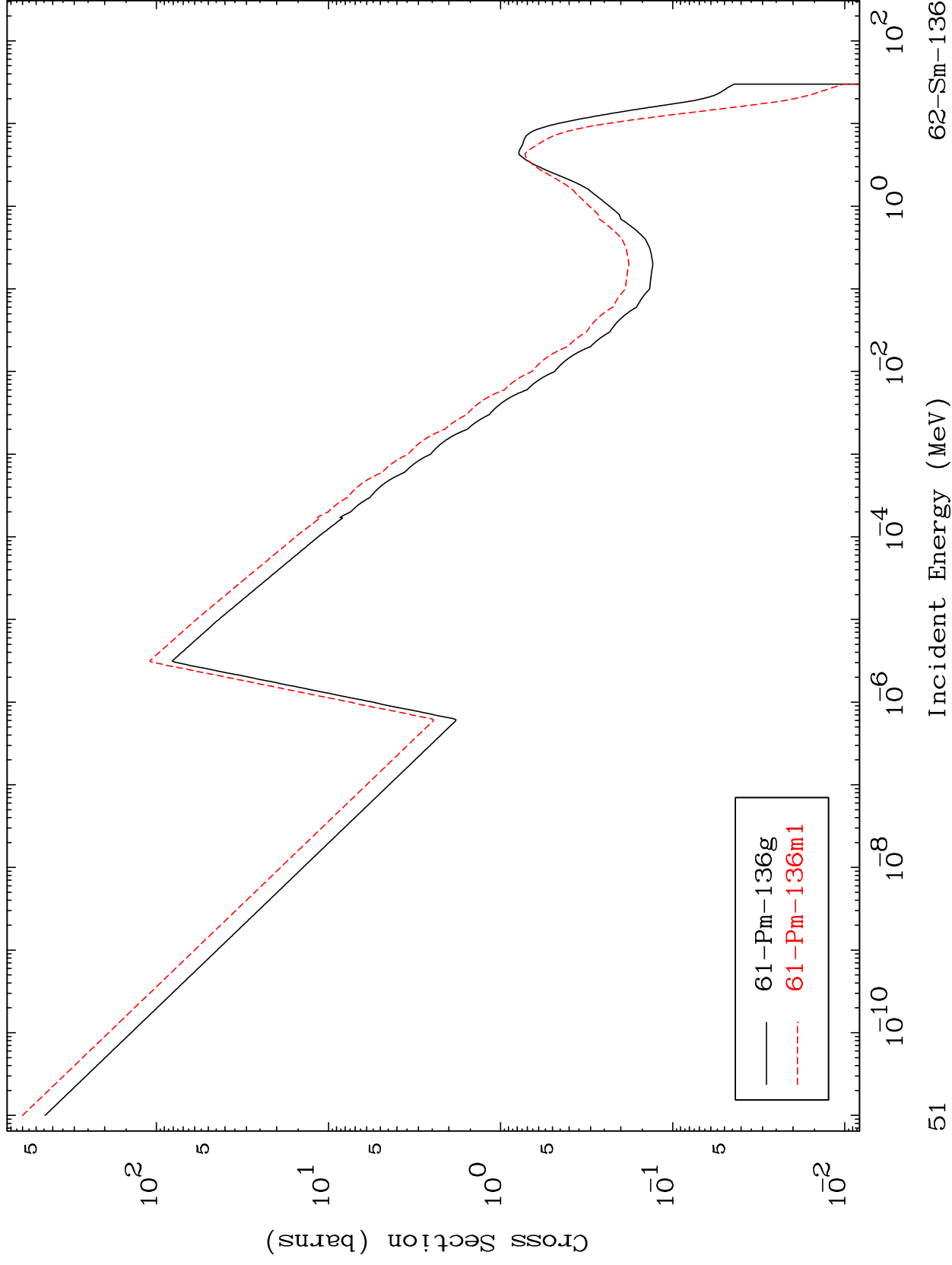
Incident Energy (MeV)

62-Sm-136

MAT 6201

62-Sm-136

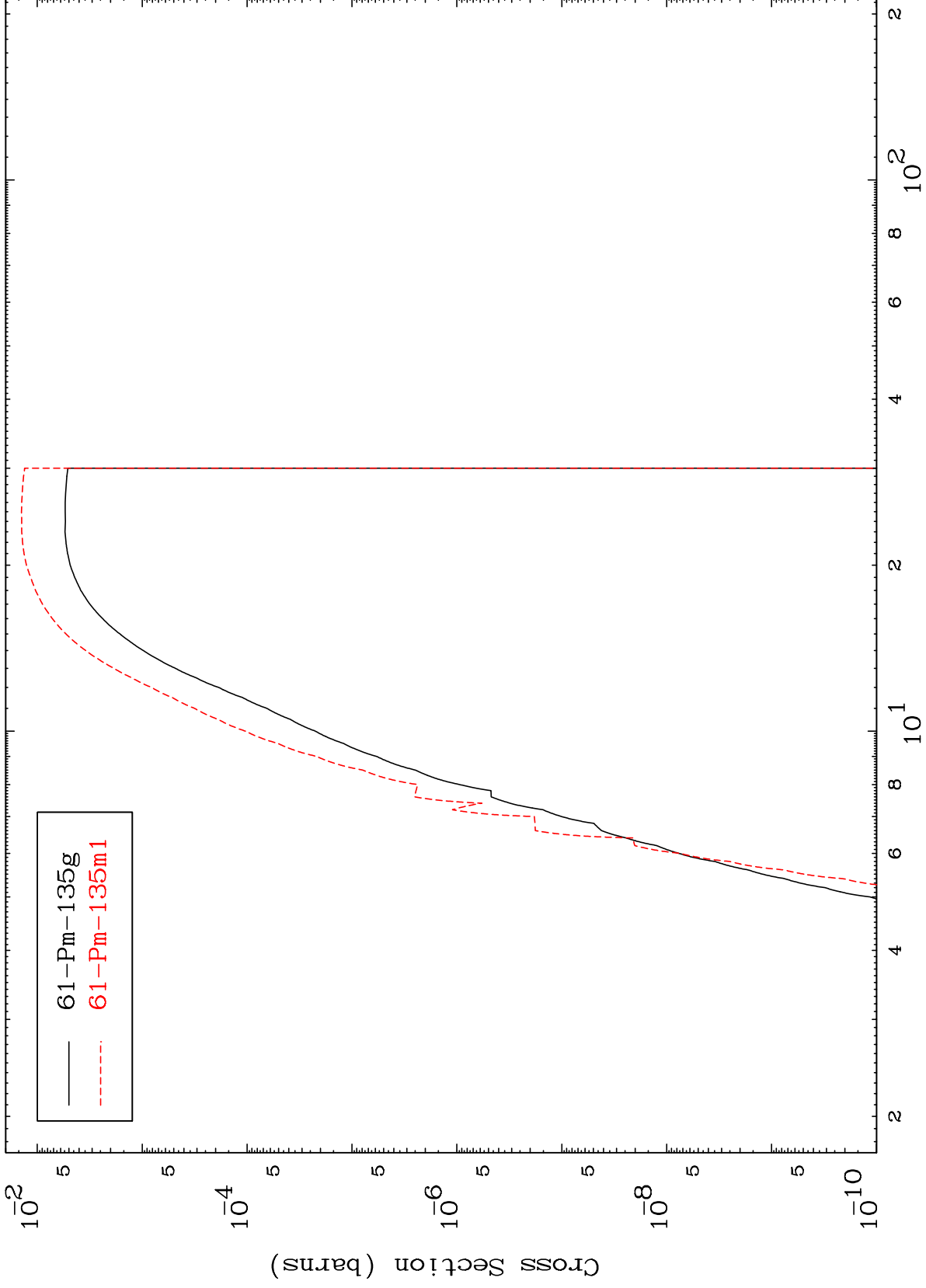
(n,p)  
Radionuclide Production Cross Section



MAT 6201

62-Sm-136

(n,d)  
Radionuclide Production Cross Section



52

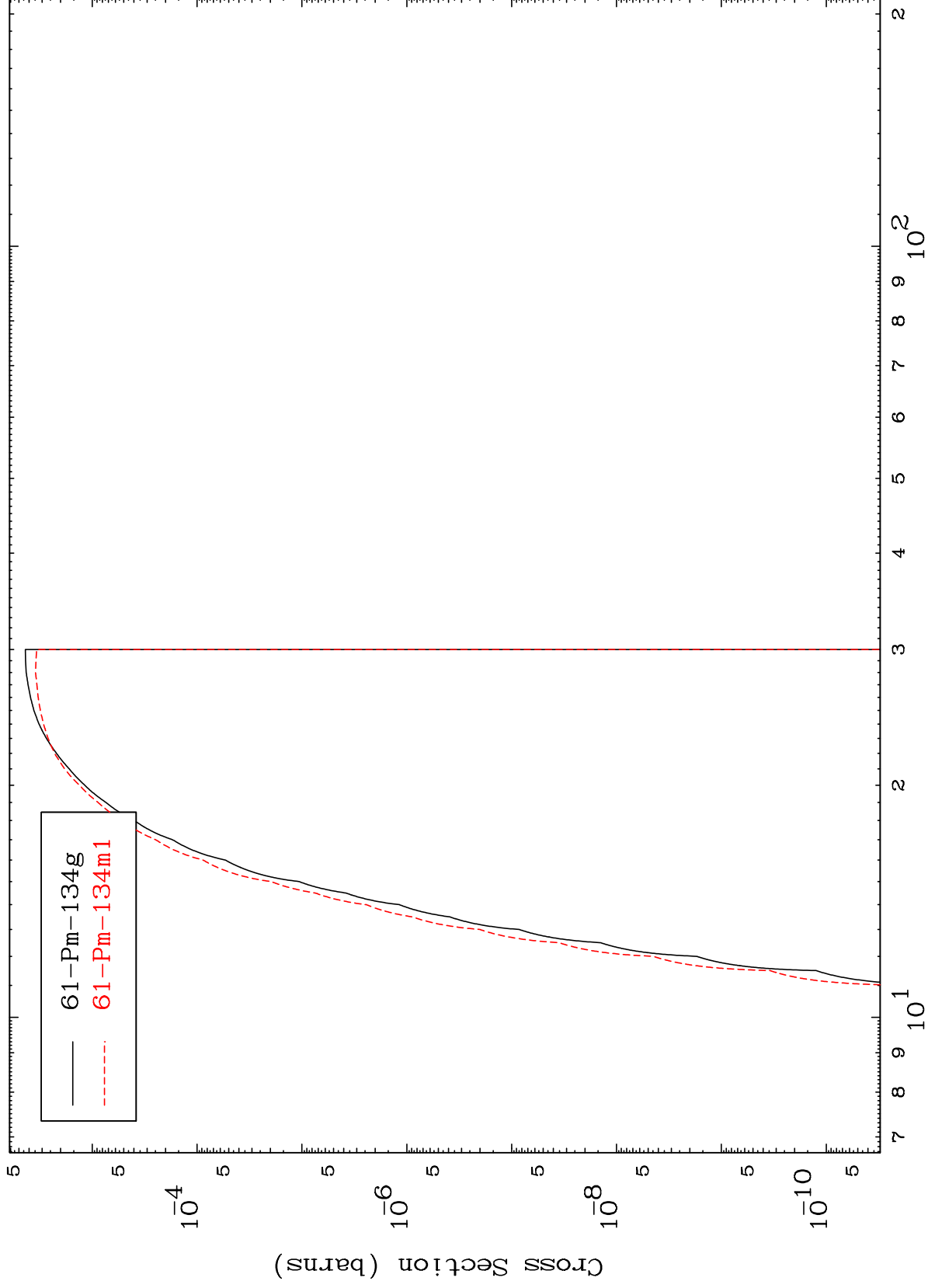
Incident Energy (MeV)

62-Sm-136

MAT 6201

62-Sm-136

(n,t)  
Radionuclide Production Cross Section



Incident Energy (MeV)

62-Sm-136

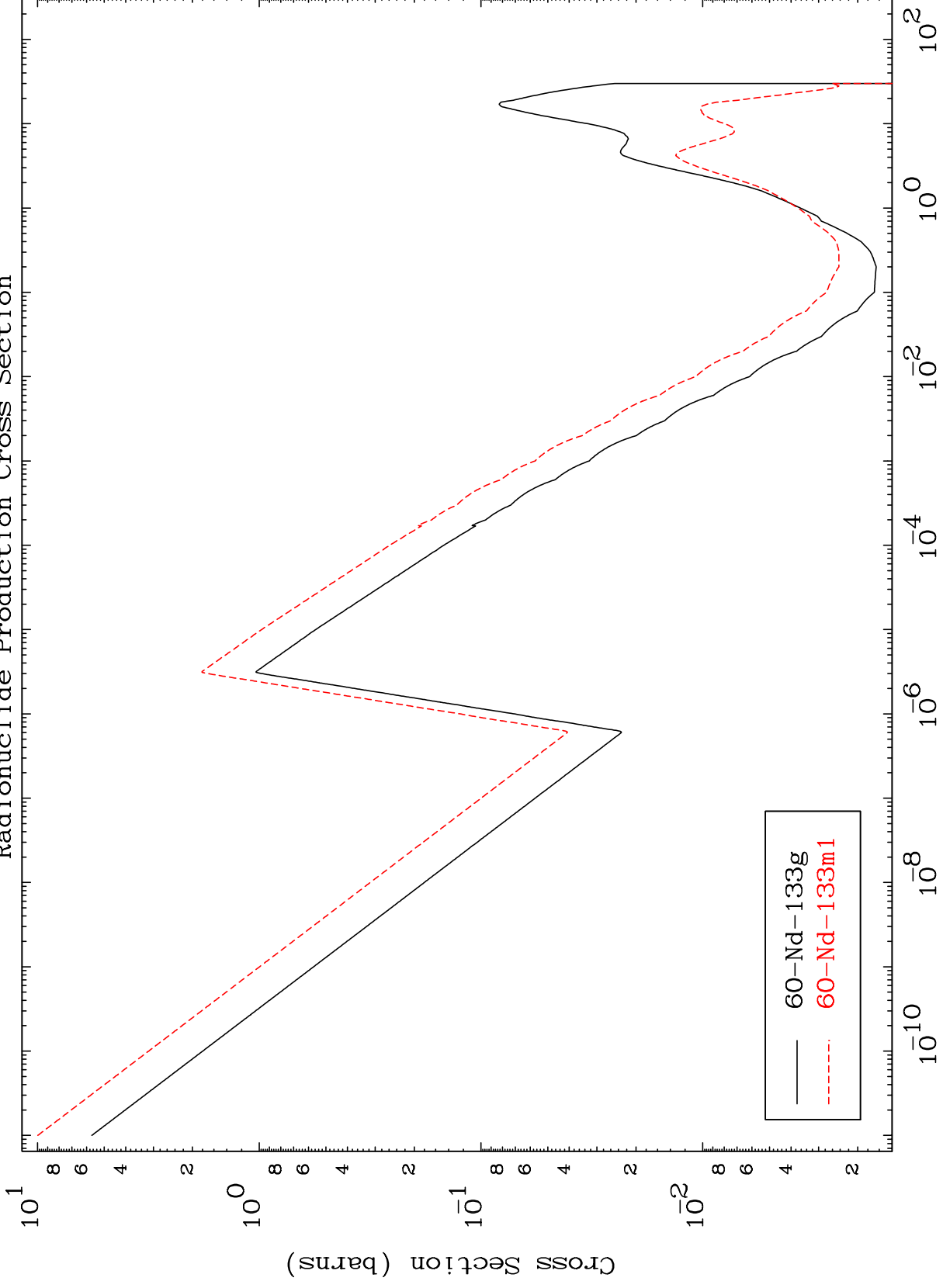
53

MAT 6201

(n,  $\alpha$ )

62-Sm-136

Radionuclide Production Cross Section



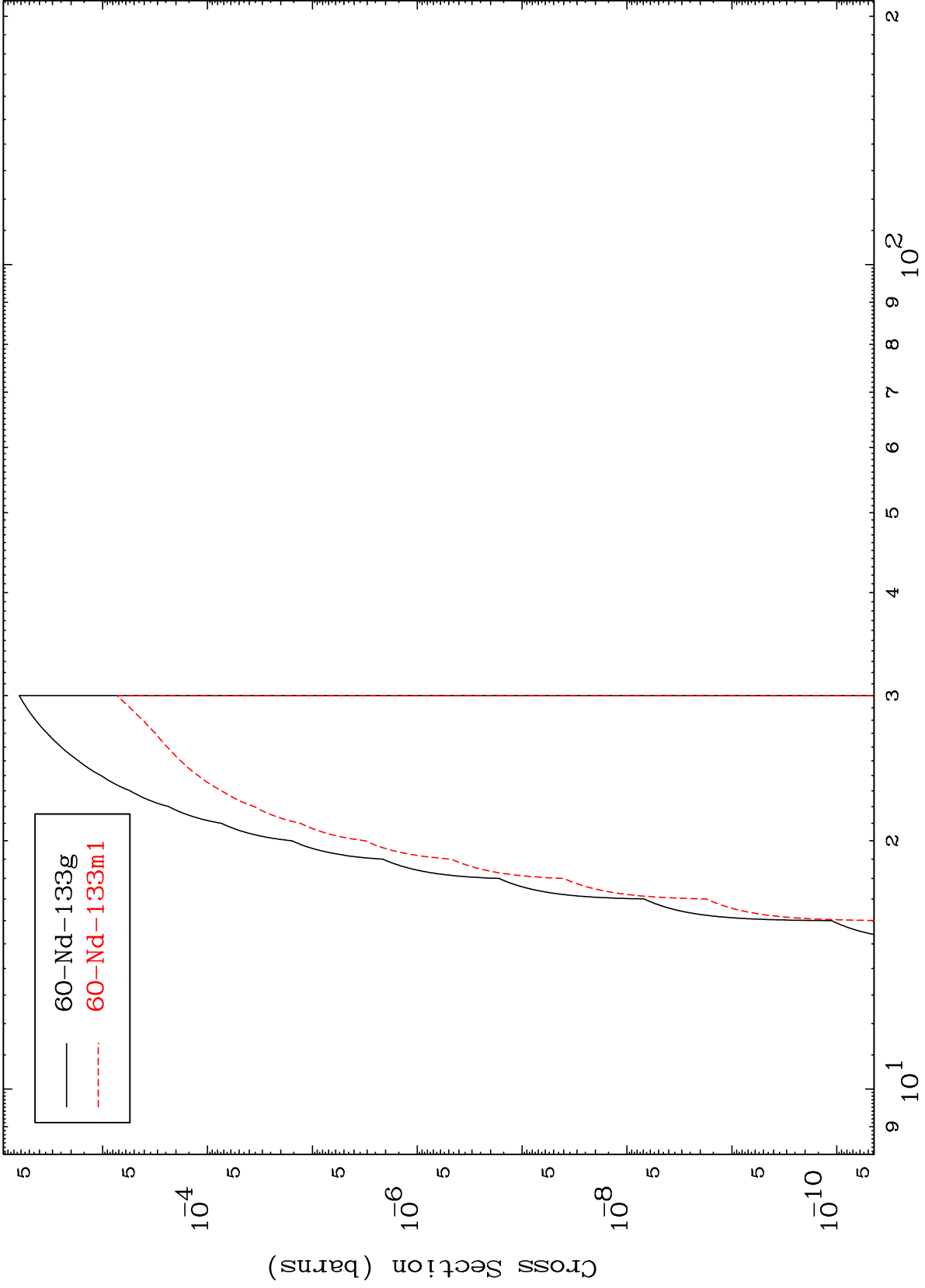
— 60-Nd-133g  
- - - 60-Nd-133m1

MAT 6201

(n,p) t

62-Sm-136

Radionuclide Production Cross Section



55

Incident Energy (MeV)

62-Sm-136

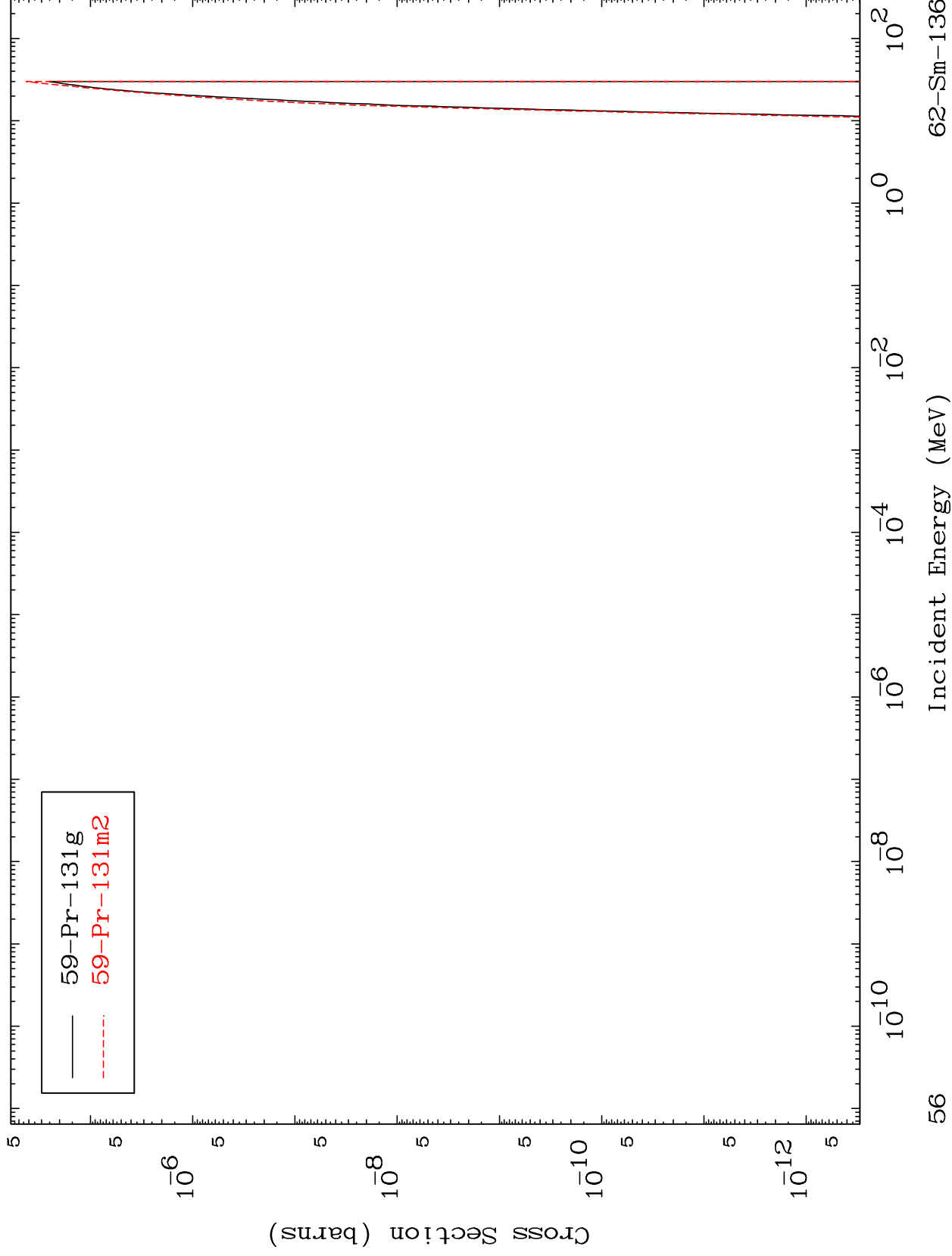


MAT 6201

(n,d)  $\alpha$

62-Sm-136

Radionuclide Production Cross Section



56