

Program EVALPLOT  
(Version 2018-1)

by

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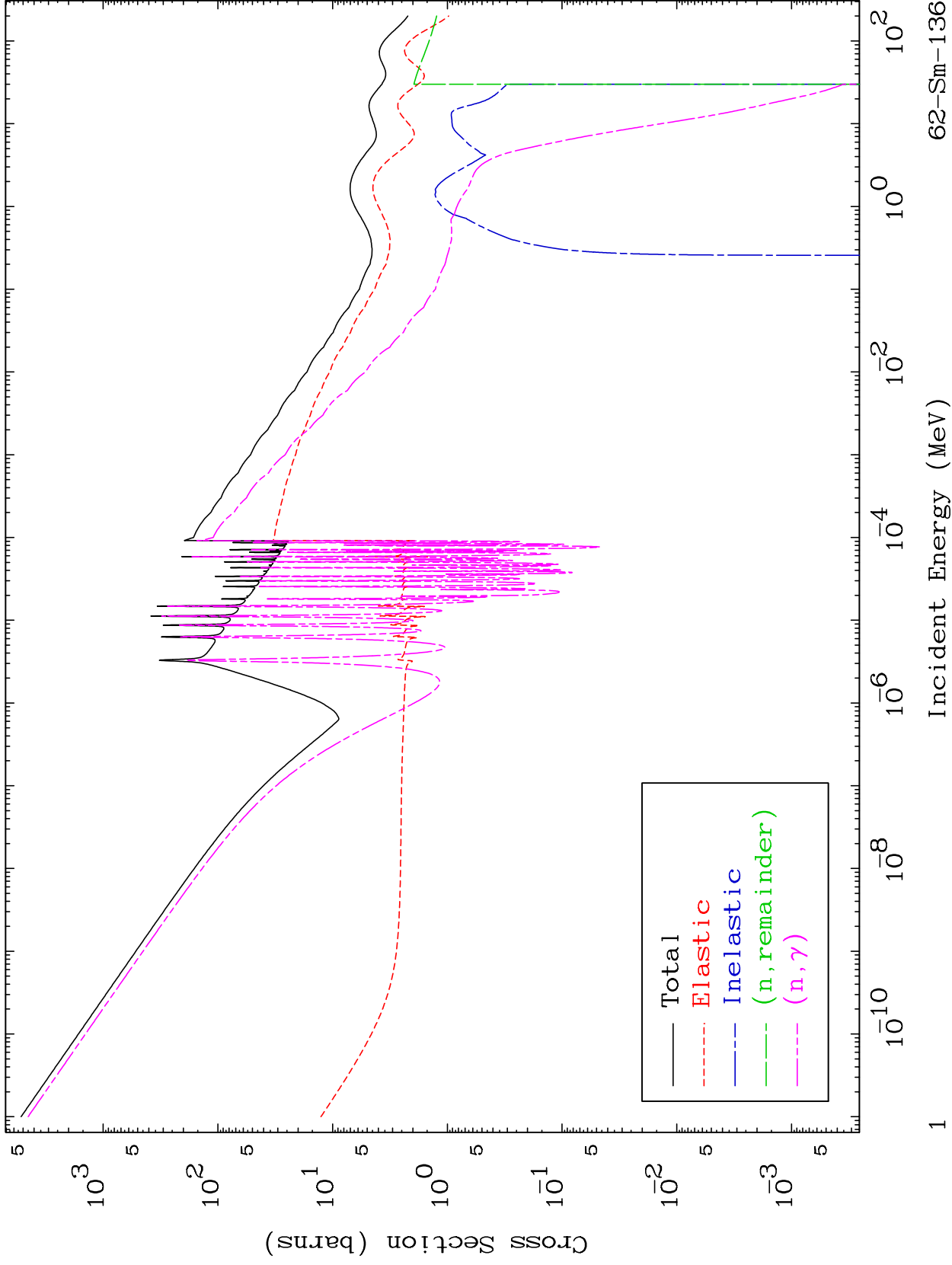
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6201

Major  
293 Kelvin Cross Sections

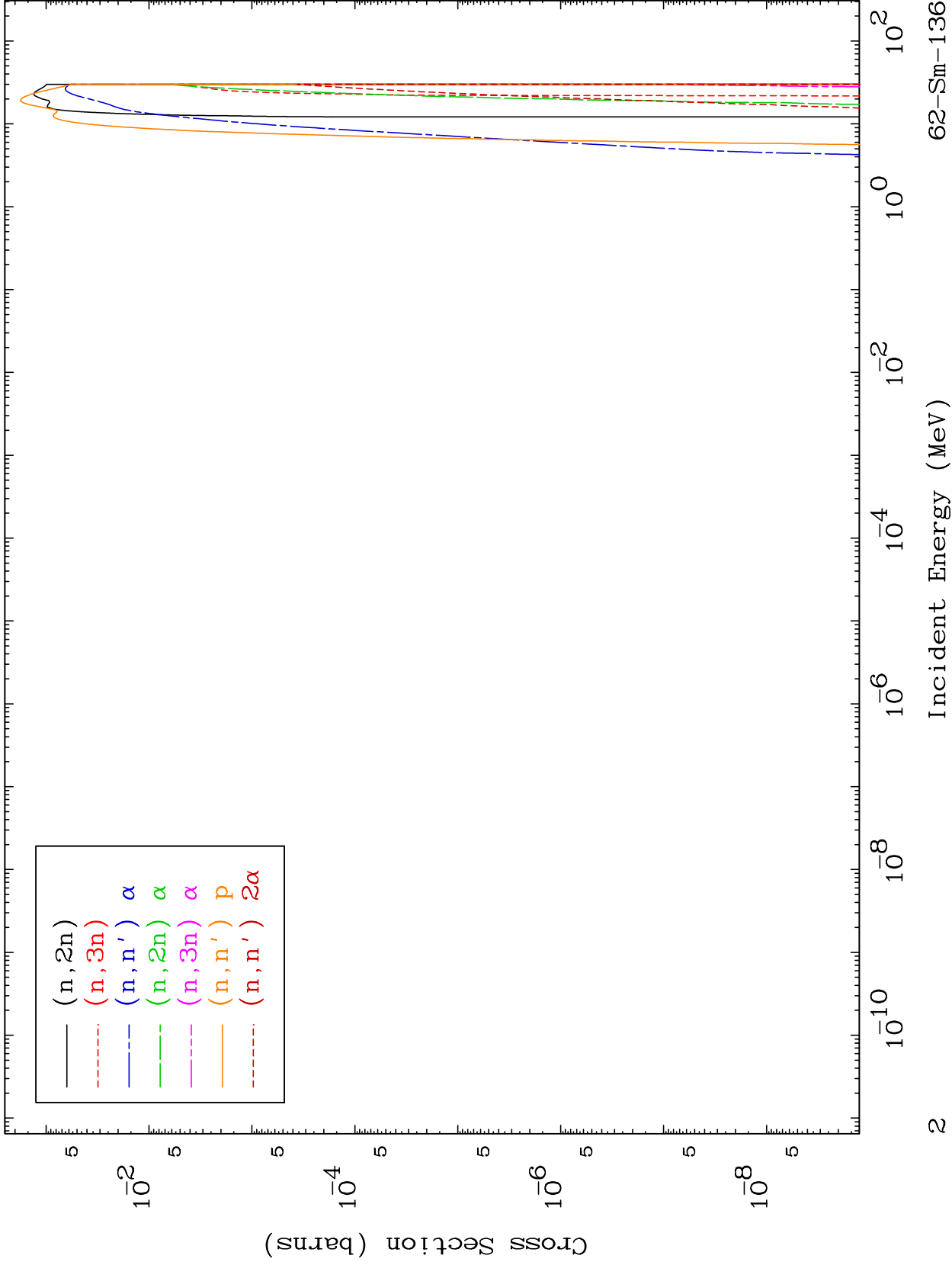
62-Sm-136

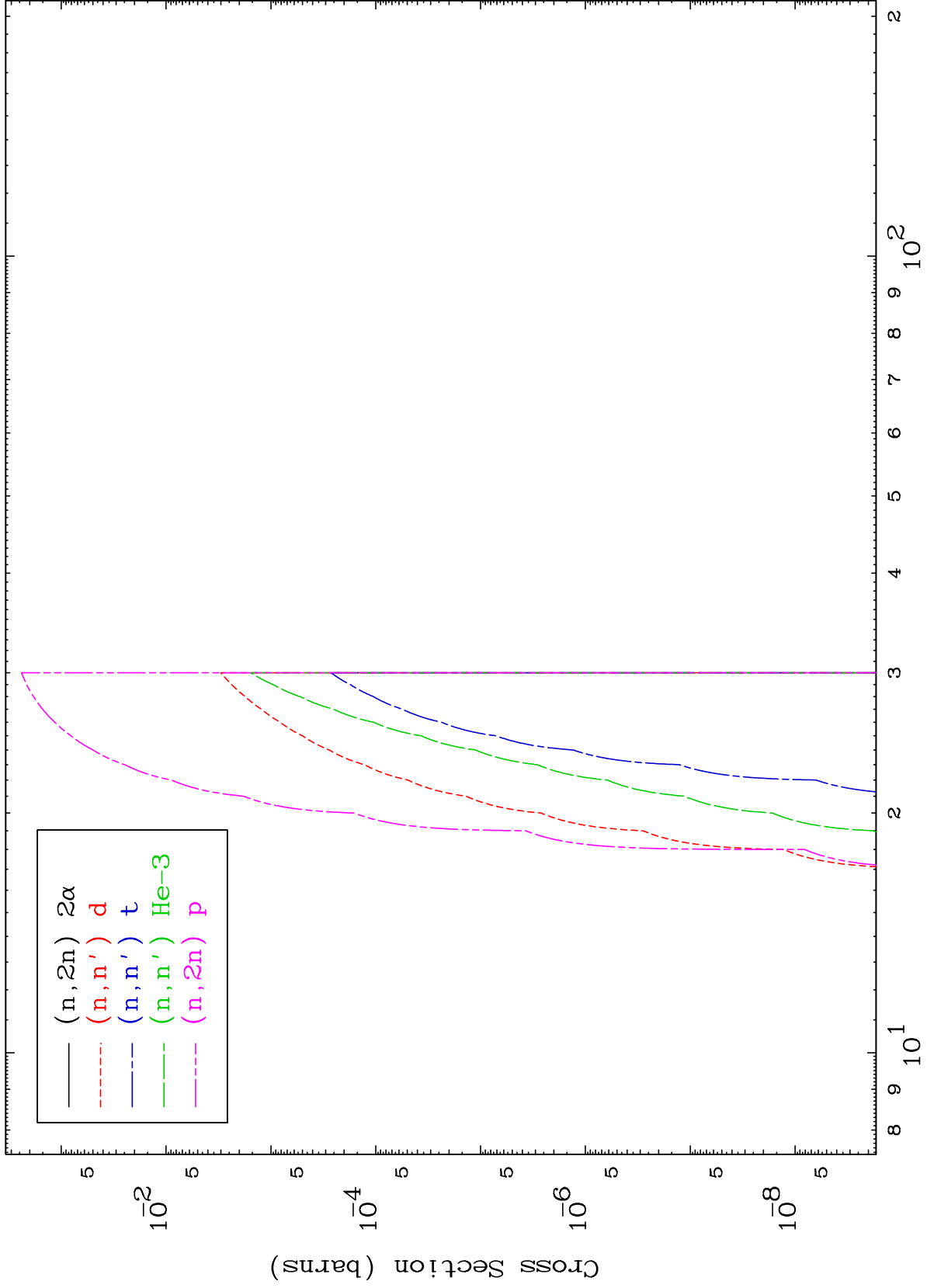


MAT 6201

Neutron Production  
293 Kelvin Cross Sections

62-Sm-136

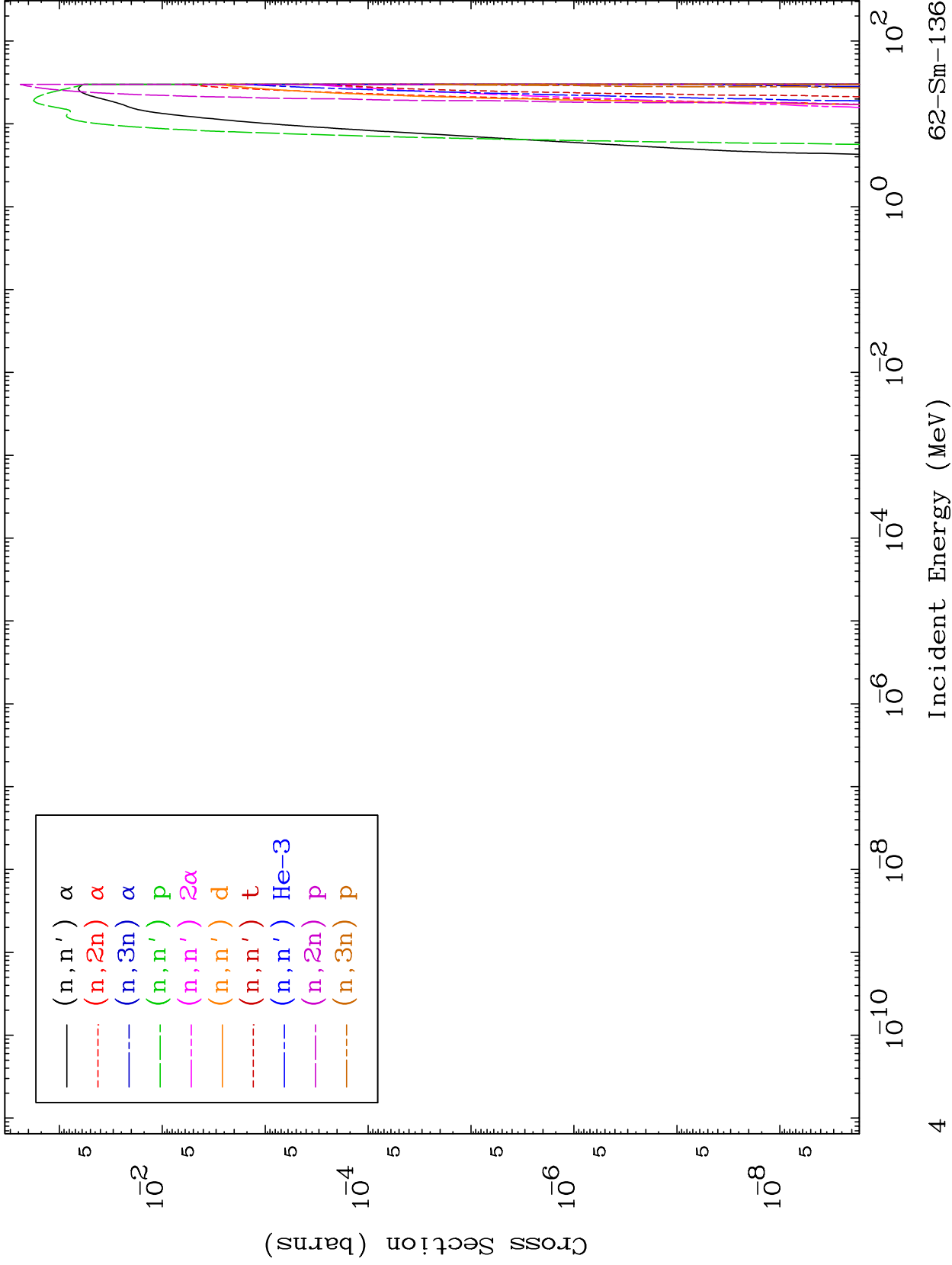




MAT 6201

Charged Particle  
293 Kelvin Cross Sections

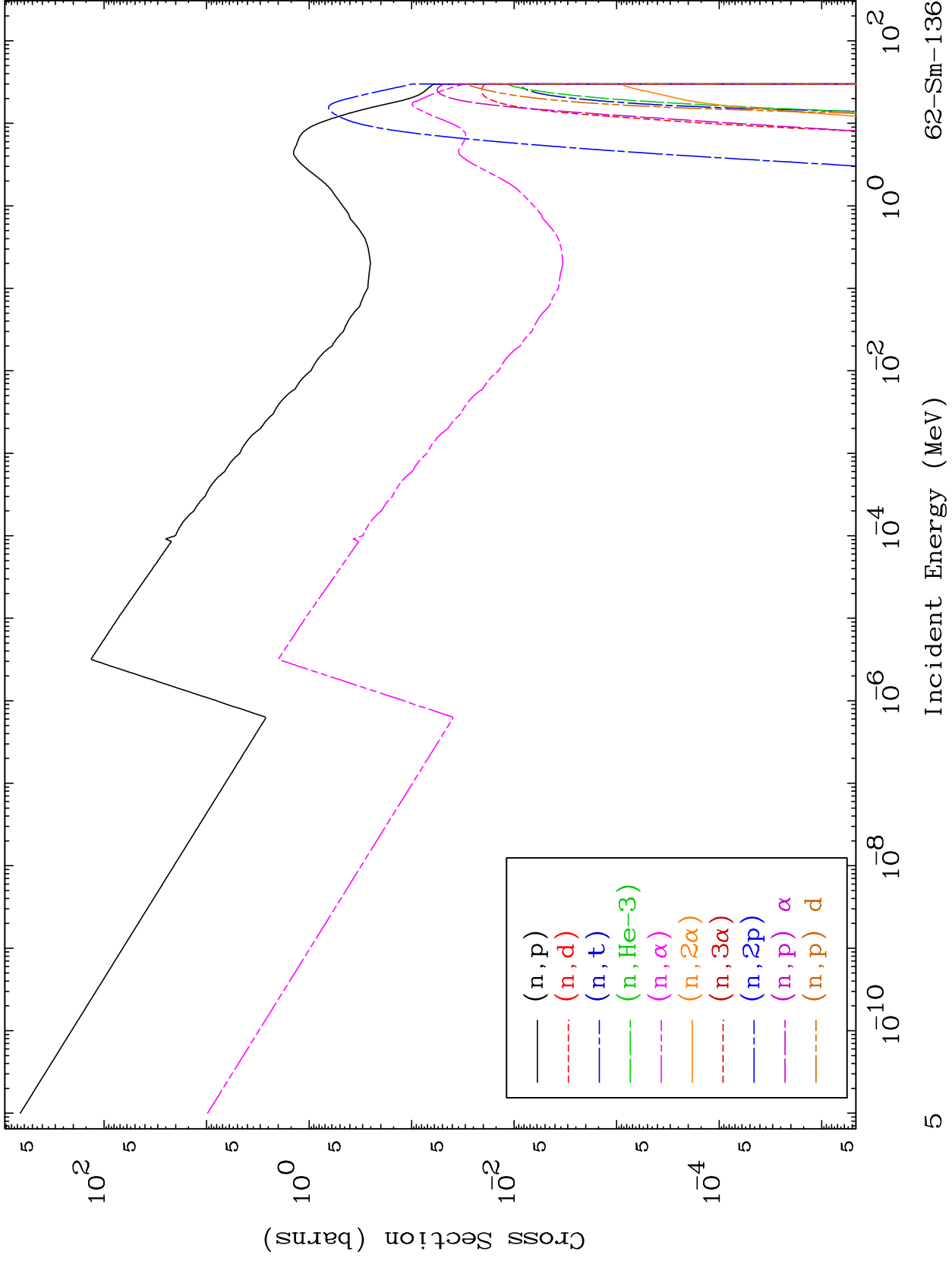
62-Sm-136



MAT 6201

Charged Particle  
293 Kelvin Cross Sections

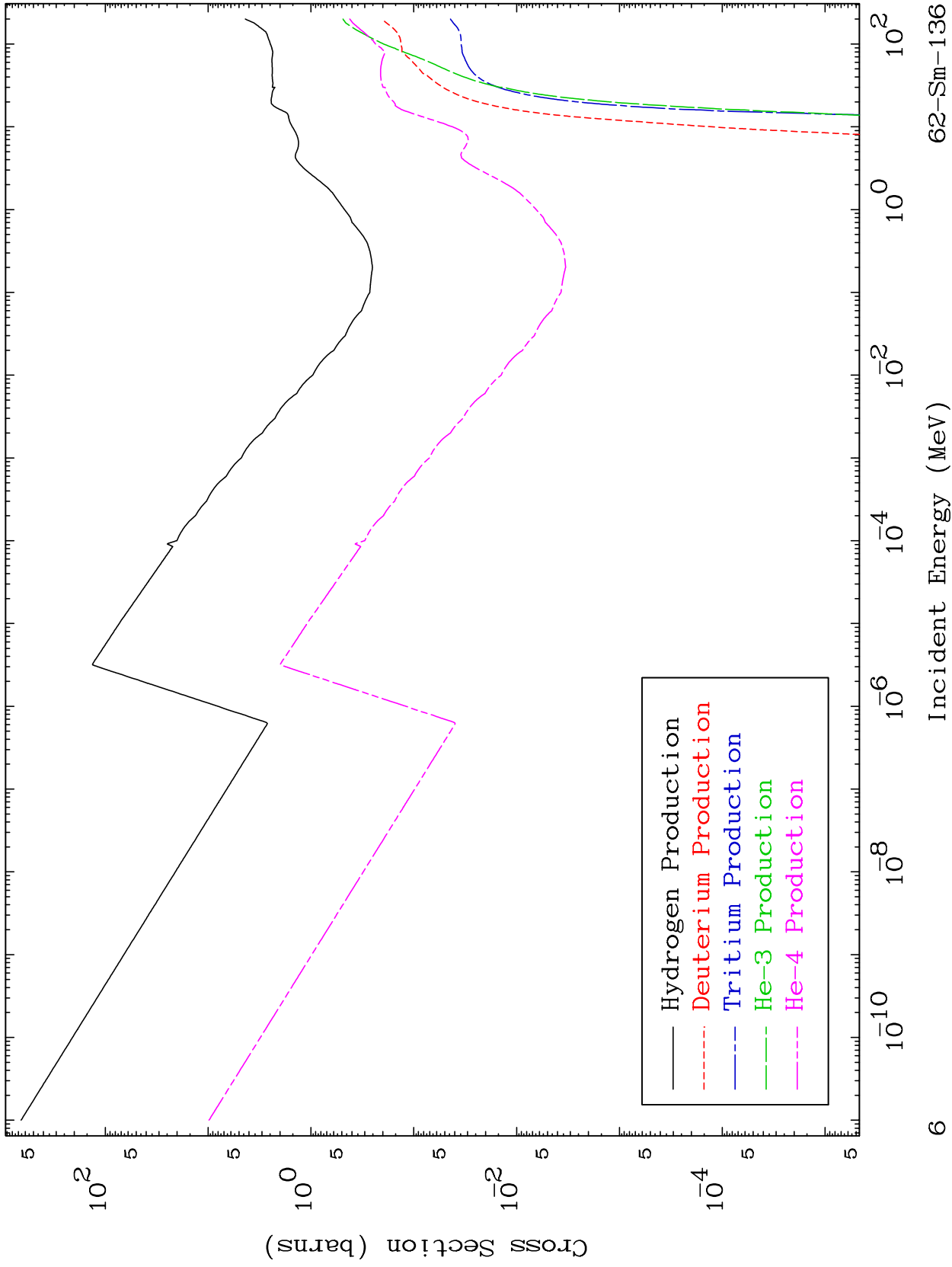
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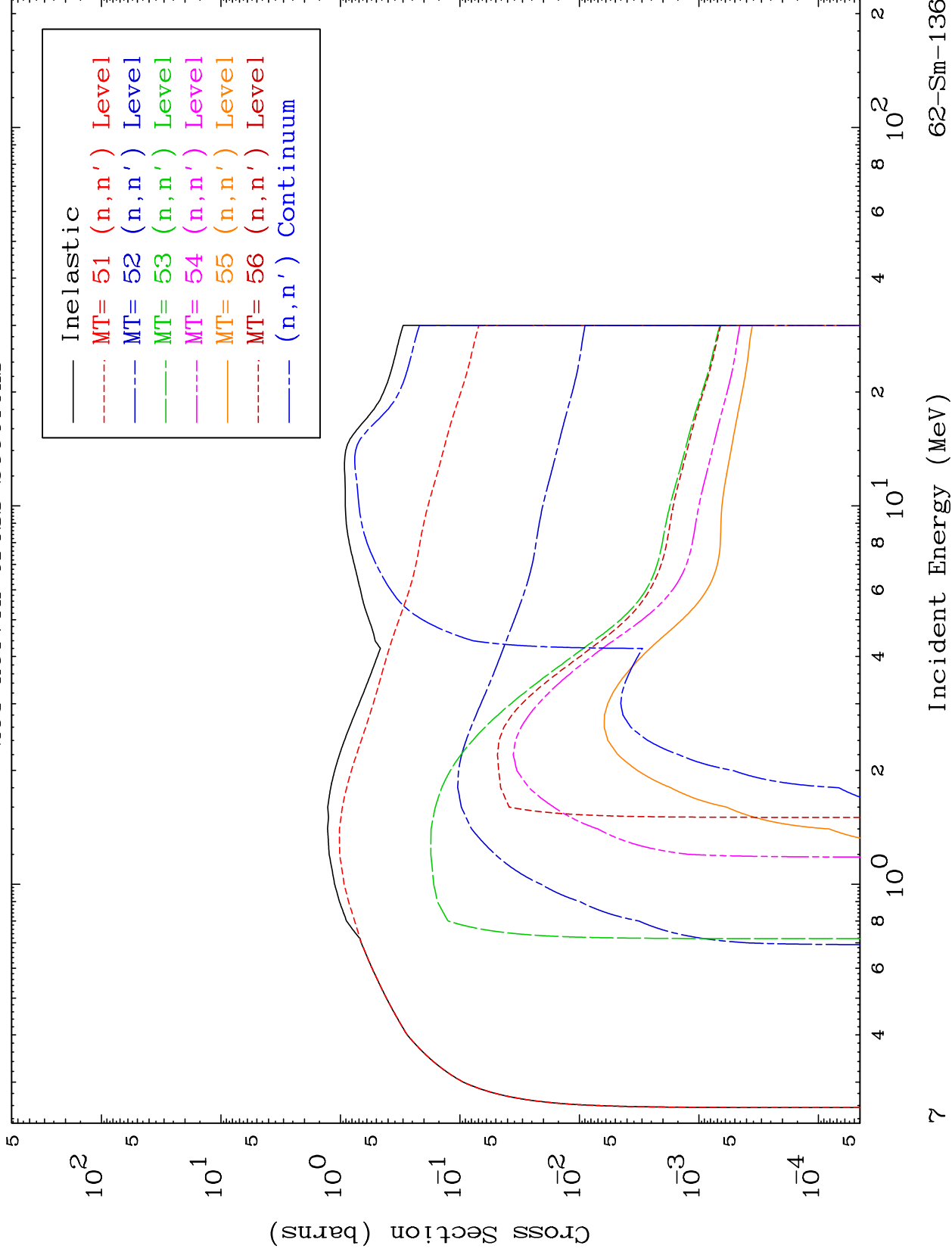


MAT 6201

Particle Production  
293 Kelvin Cross Sections

62-Sm-136



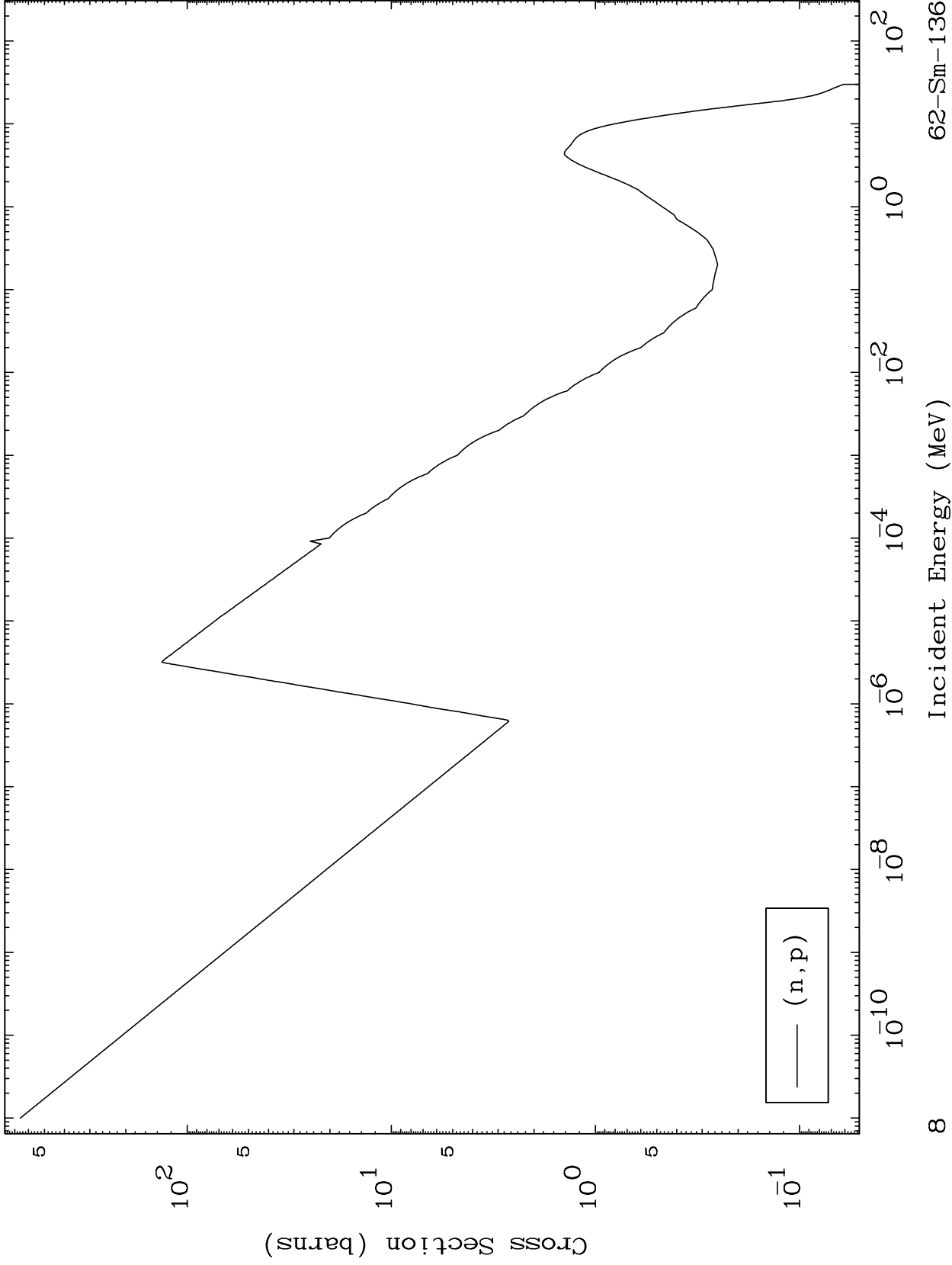




MAT 6201

(n,p) Levels  
293 Kelvin Cross Sections

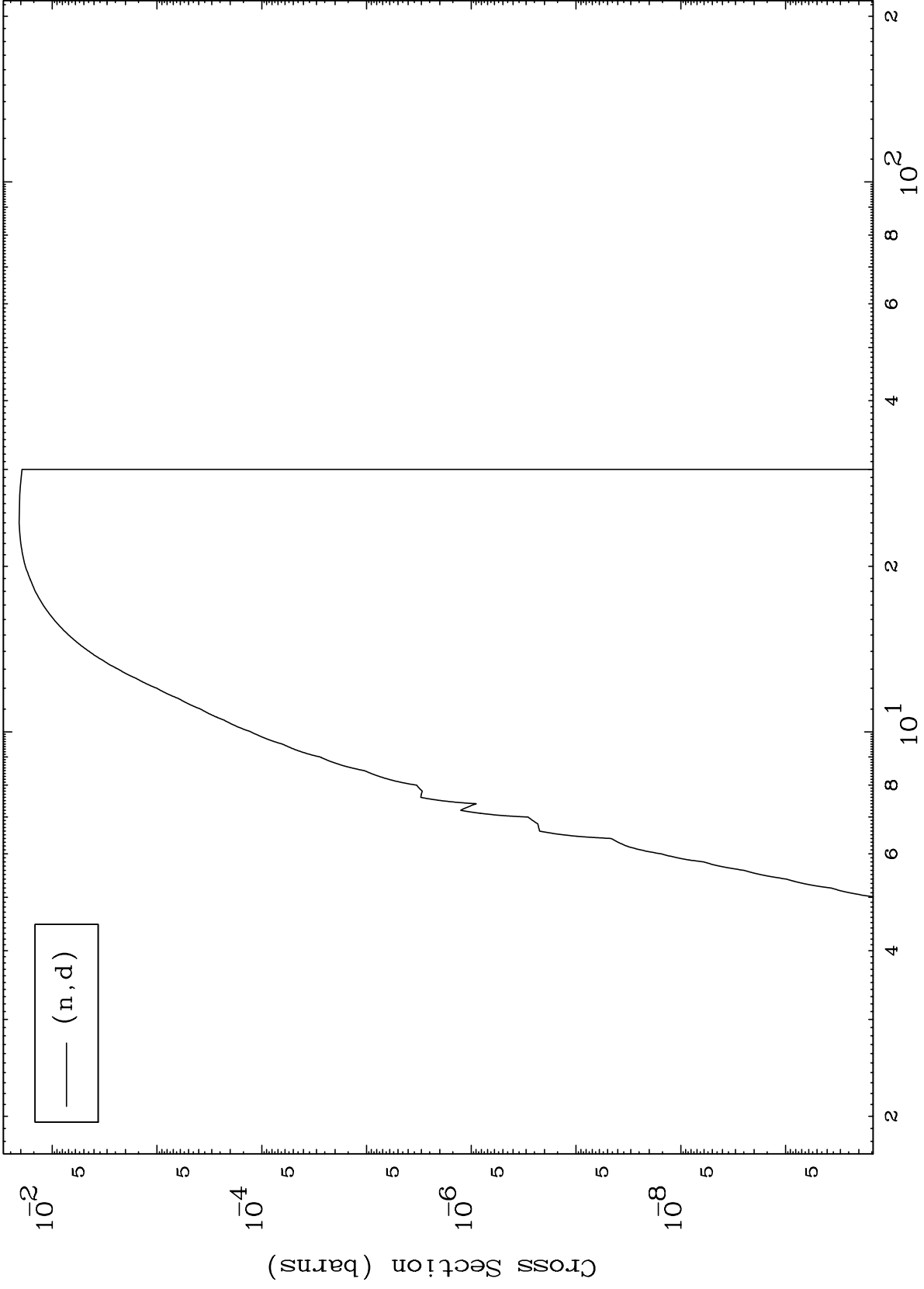
62-Sm-136



MAT 6201

(n,d) Levels  
293 Kelvin Cross Sections

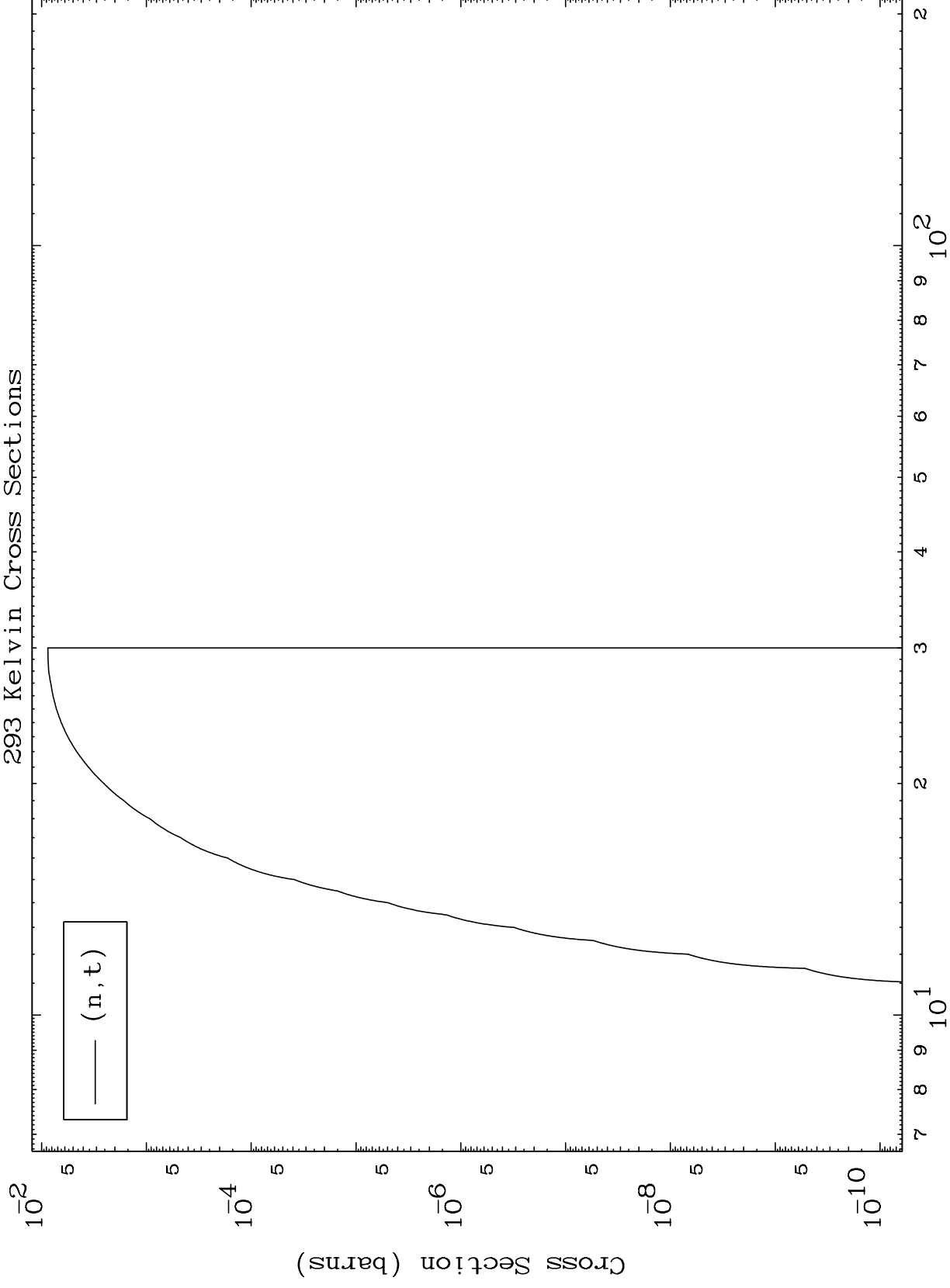
62-Sm-136



MAT 6201

(n,t) Levels  
293 Kelvin Cross Sections

62-Sm-136



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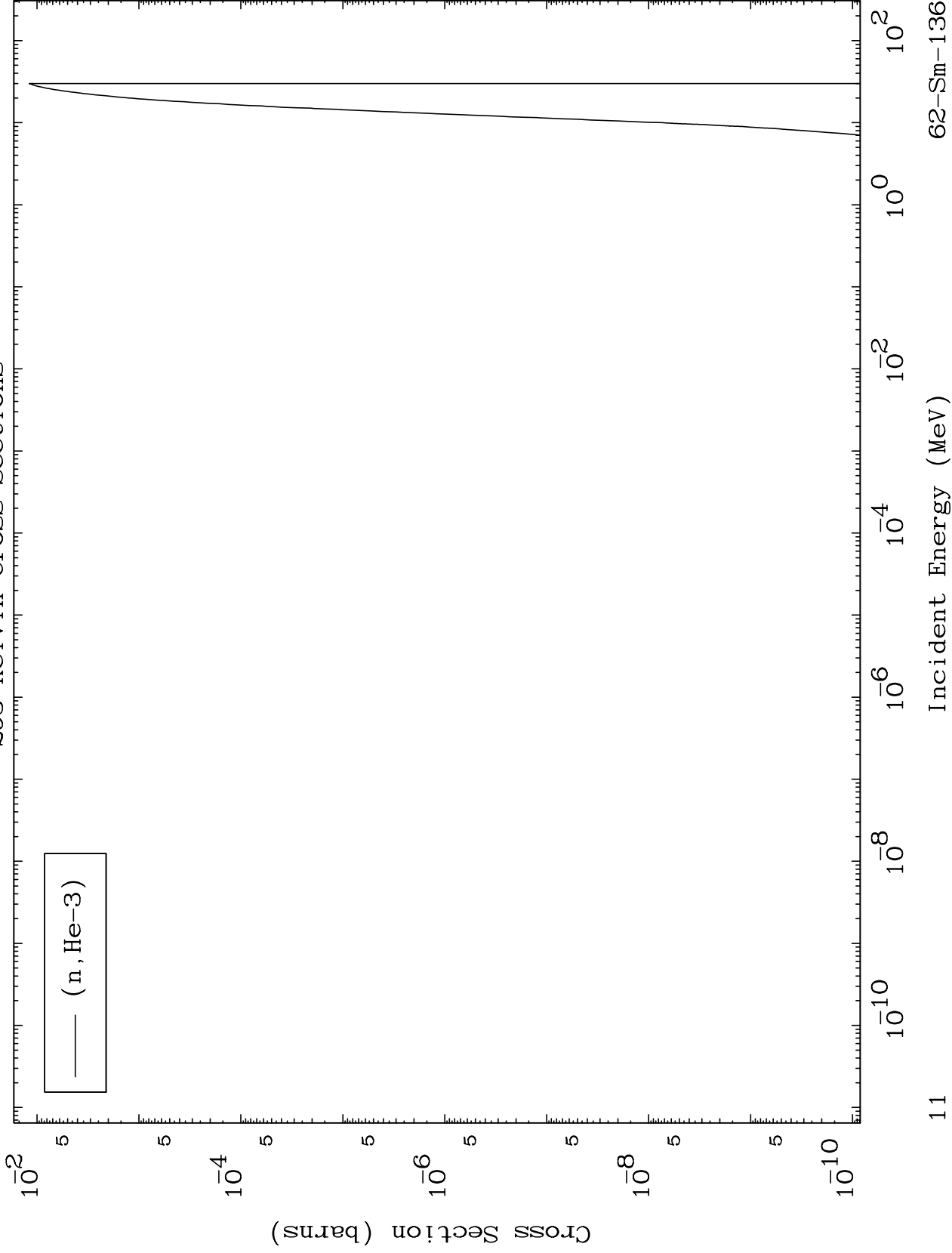
Incident Energy (MeV)

62-Sm-136

MAT 6201

(n,He3) Levels  
293 Kelvin Cross Sections

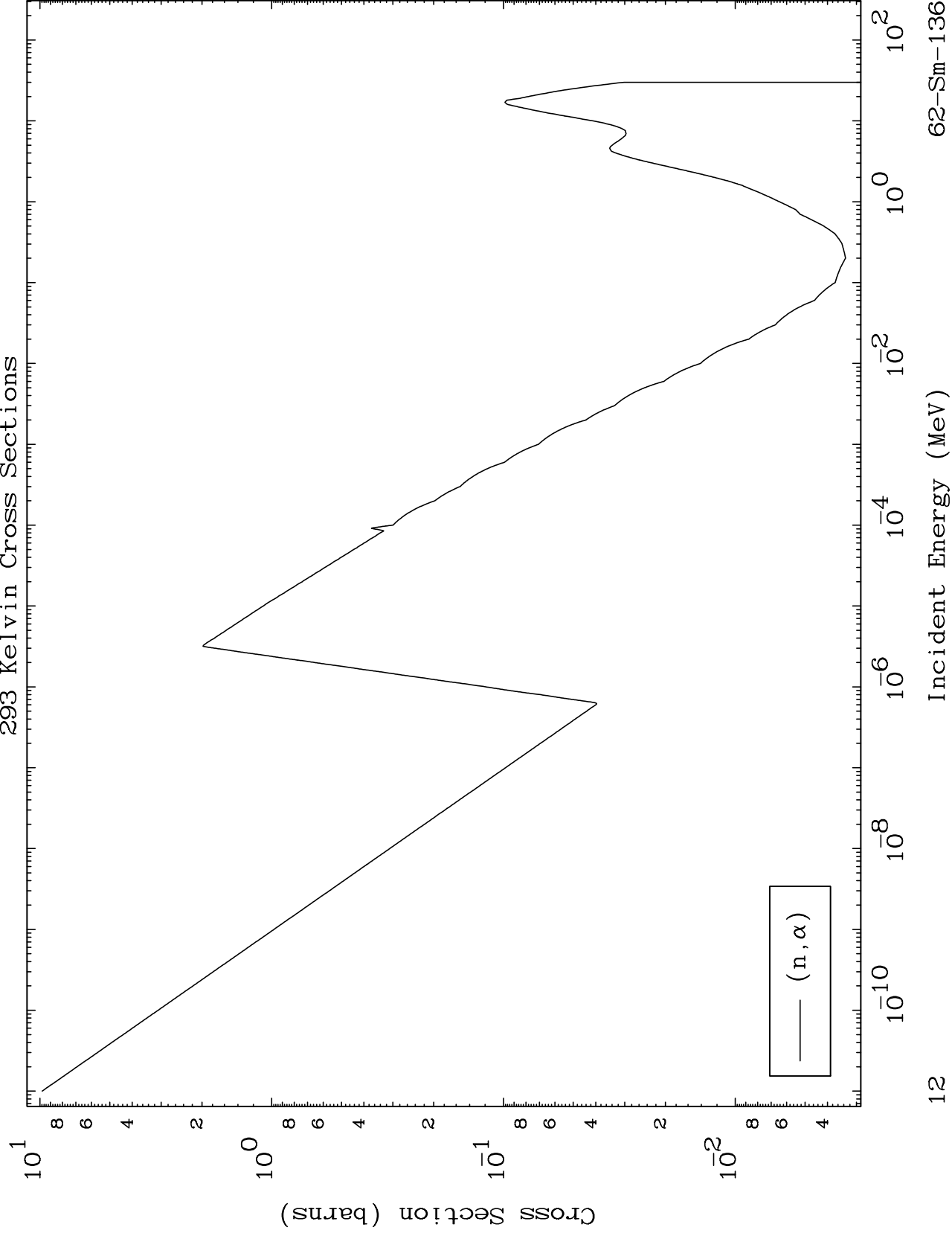
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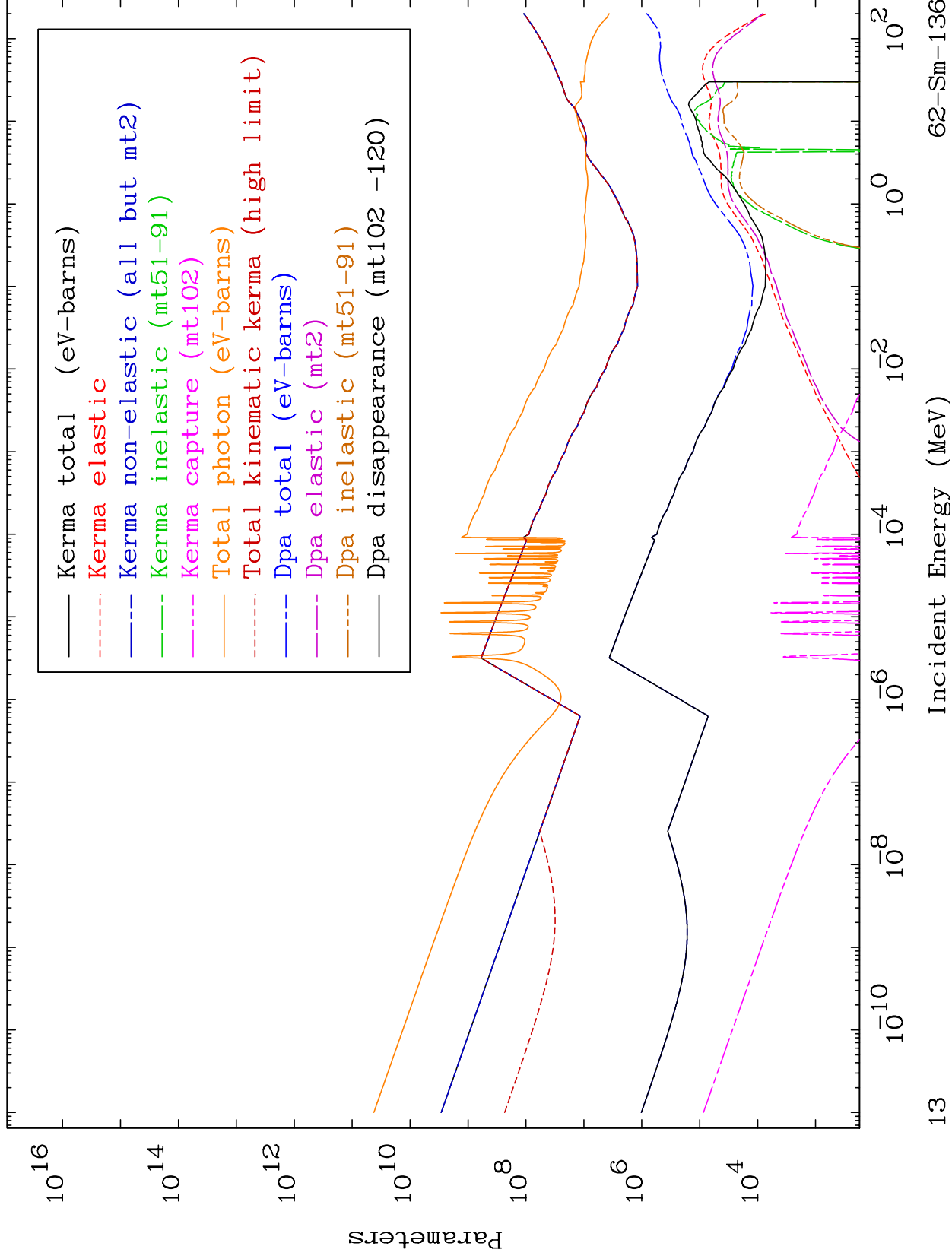


MAT 6201

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

62-Sm-136

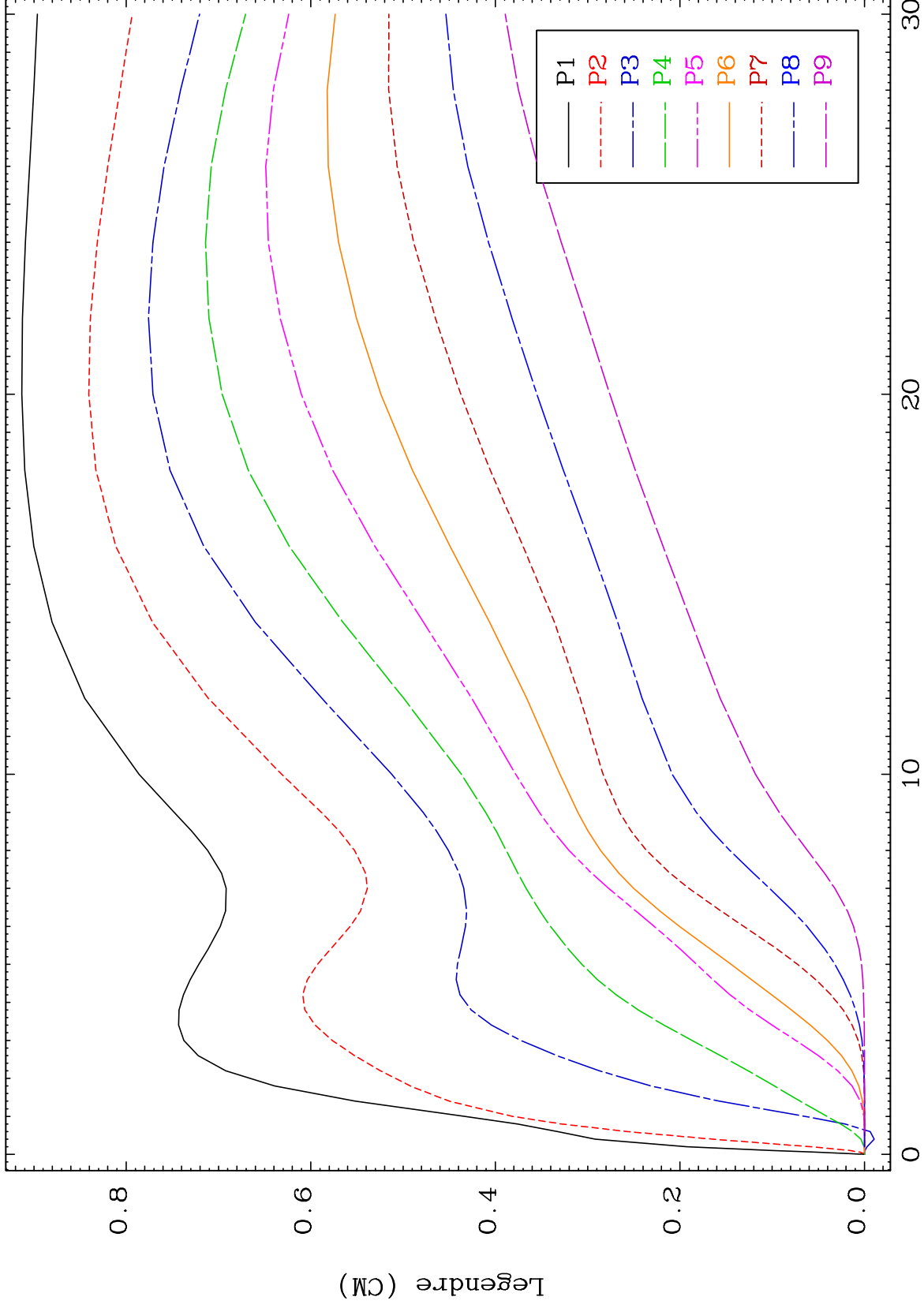




MAT 6201

62-Sm-136

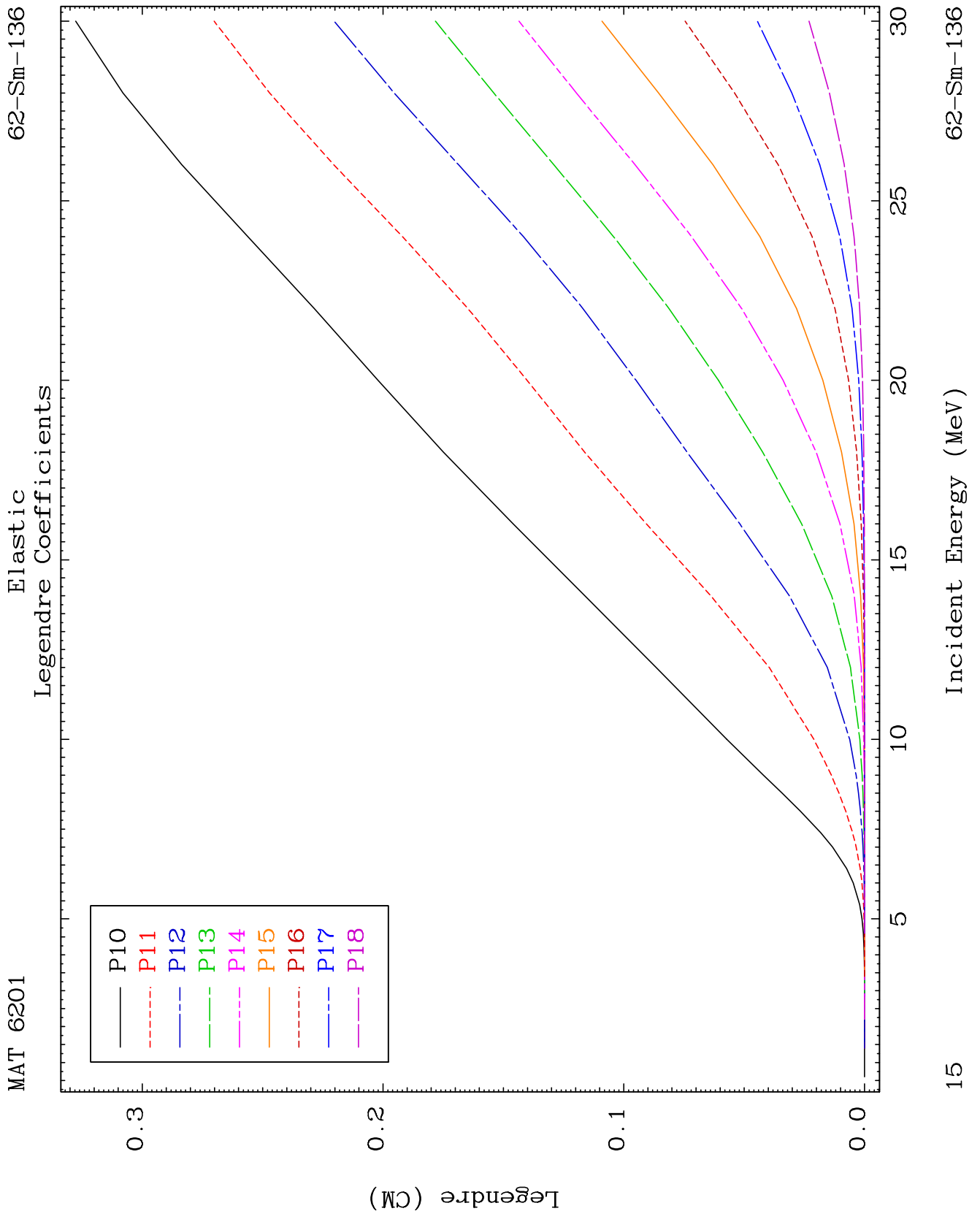
Elastic Legendre Coefficients



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Incident Energy (MeV)

62-Sm-136

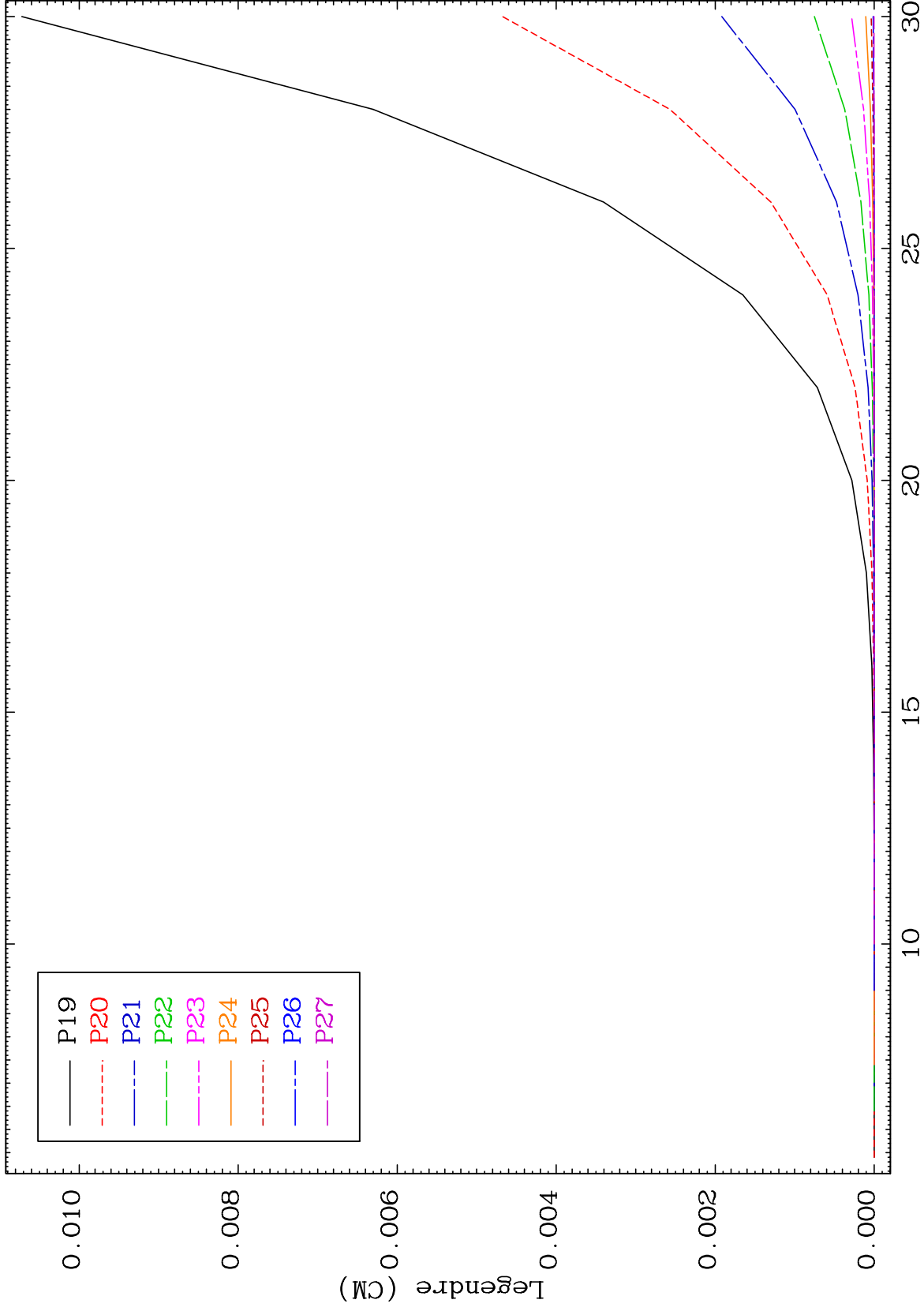




MAT 6201

### Elastic Legendre Coefficients

62-Sm-136



16

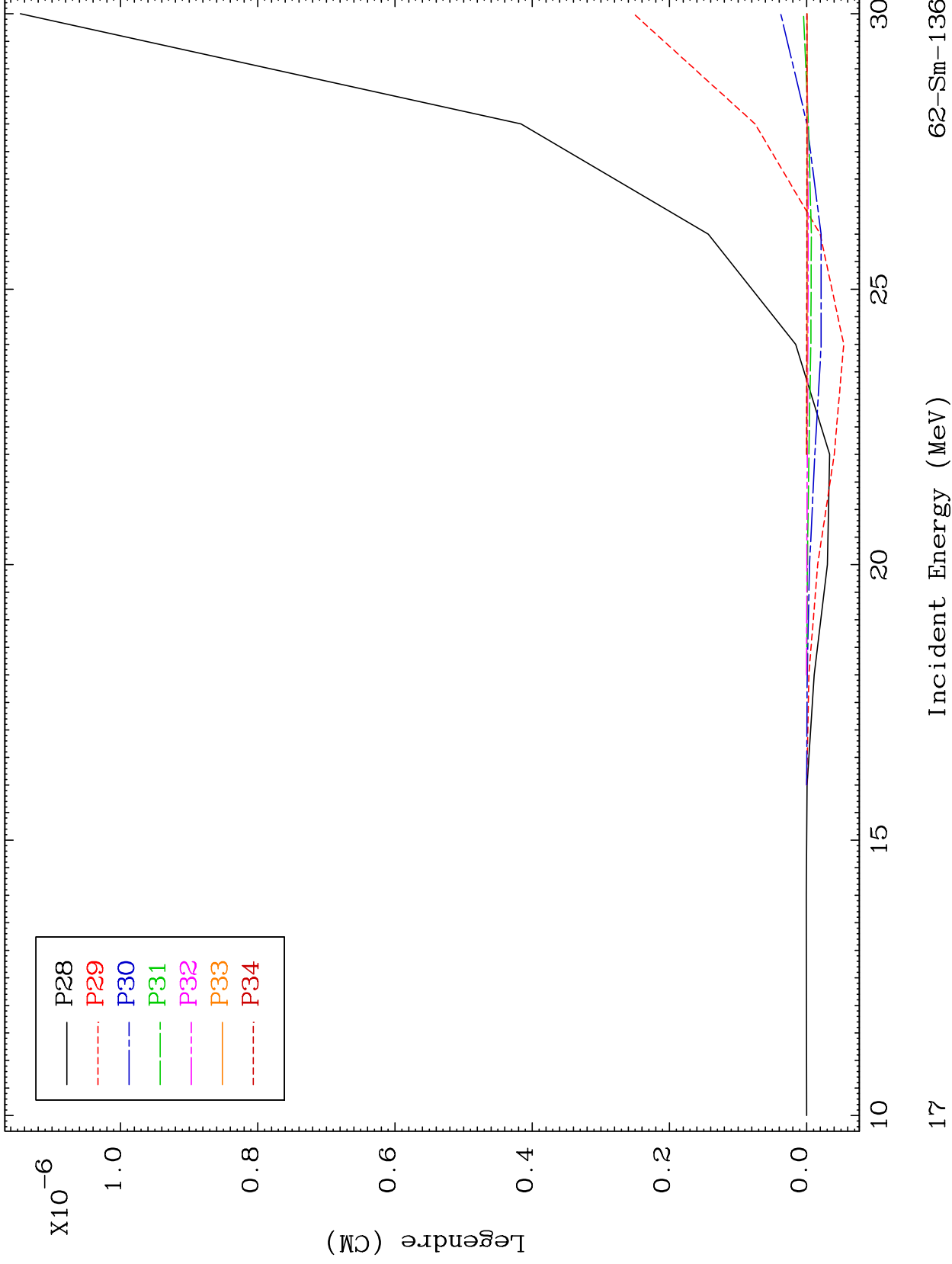
Incident Energy (MeV)

62-Sm-136

MAT 6201

Elastic  
Legendre Coefficients

62-Sm-136



17

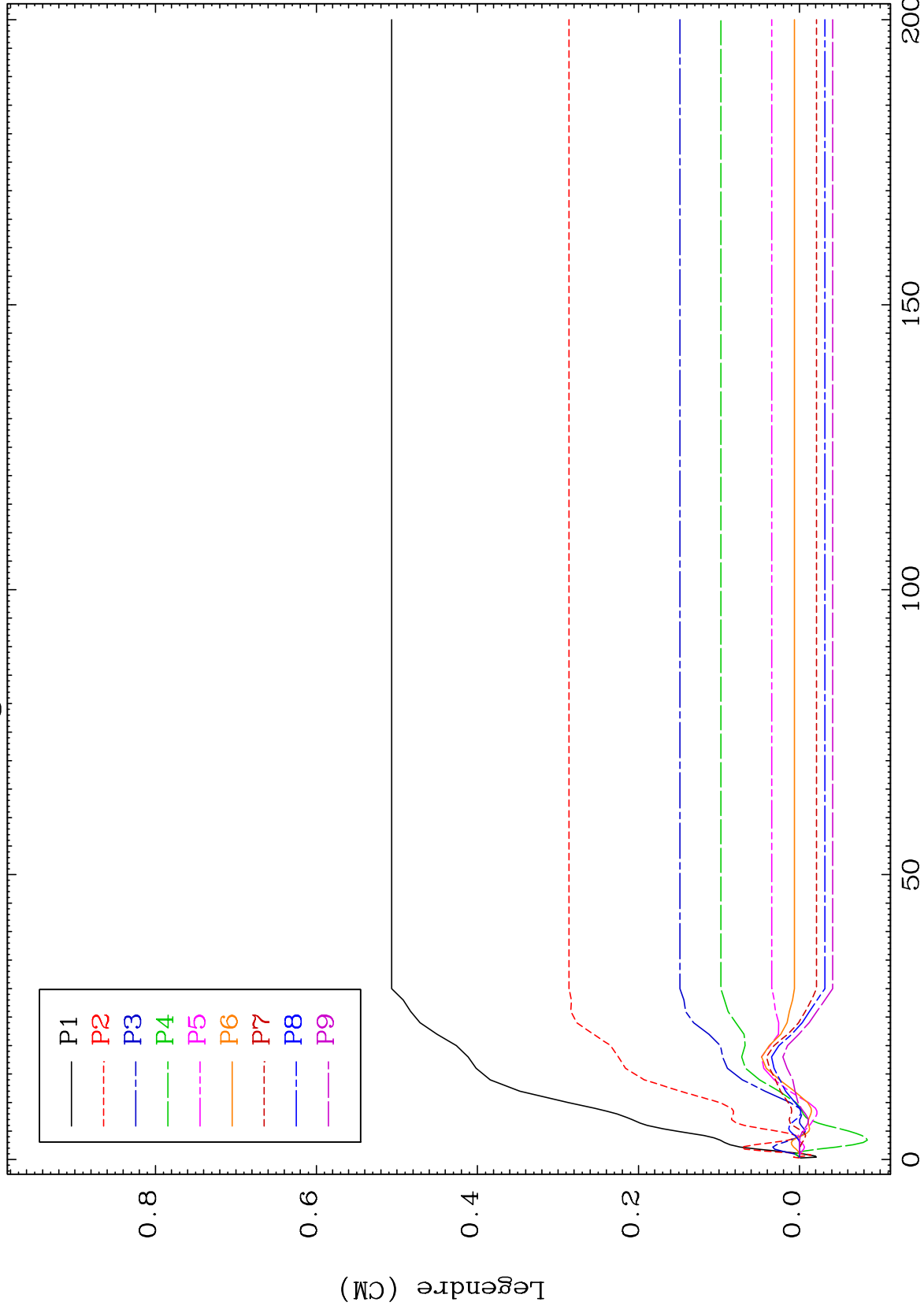
Incident Energy (MeV)

62-Sm-136

MAT 6201

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

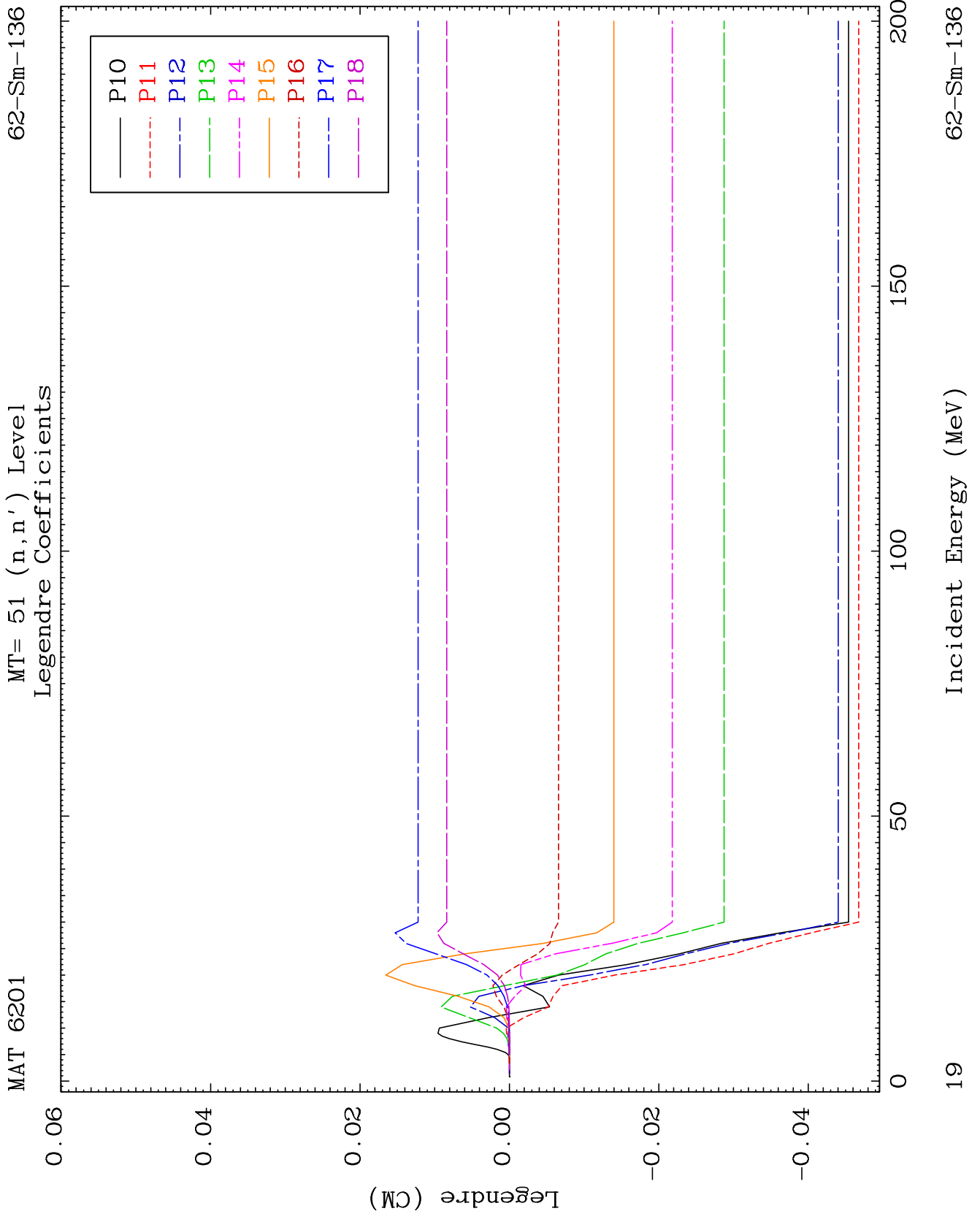
62-Sm-136



62-Sm-136

Incident Energy (MeV)

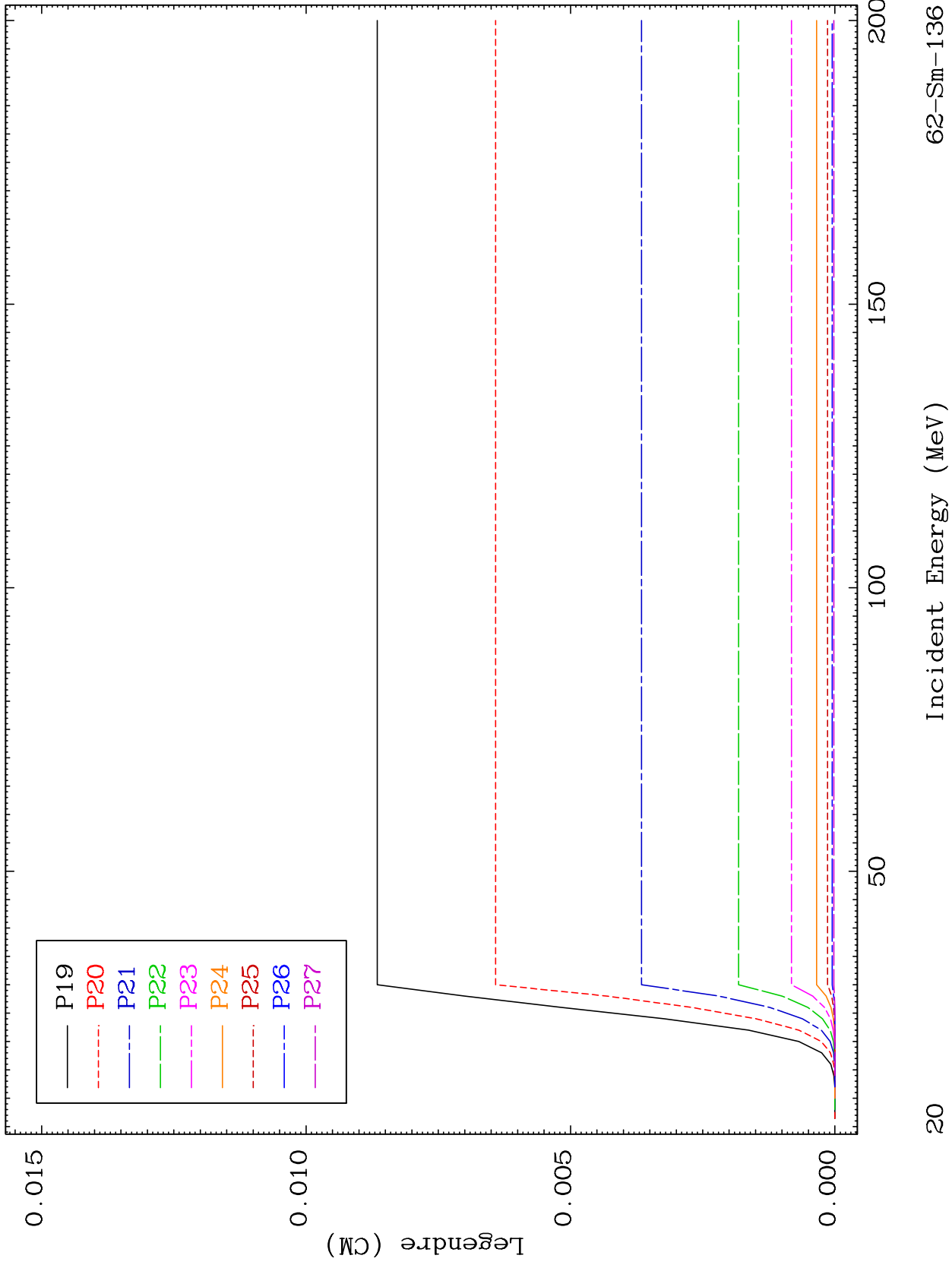
18



MAT 6201

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

62-Sm-136



62-Sm-136

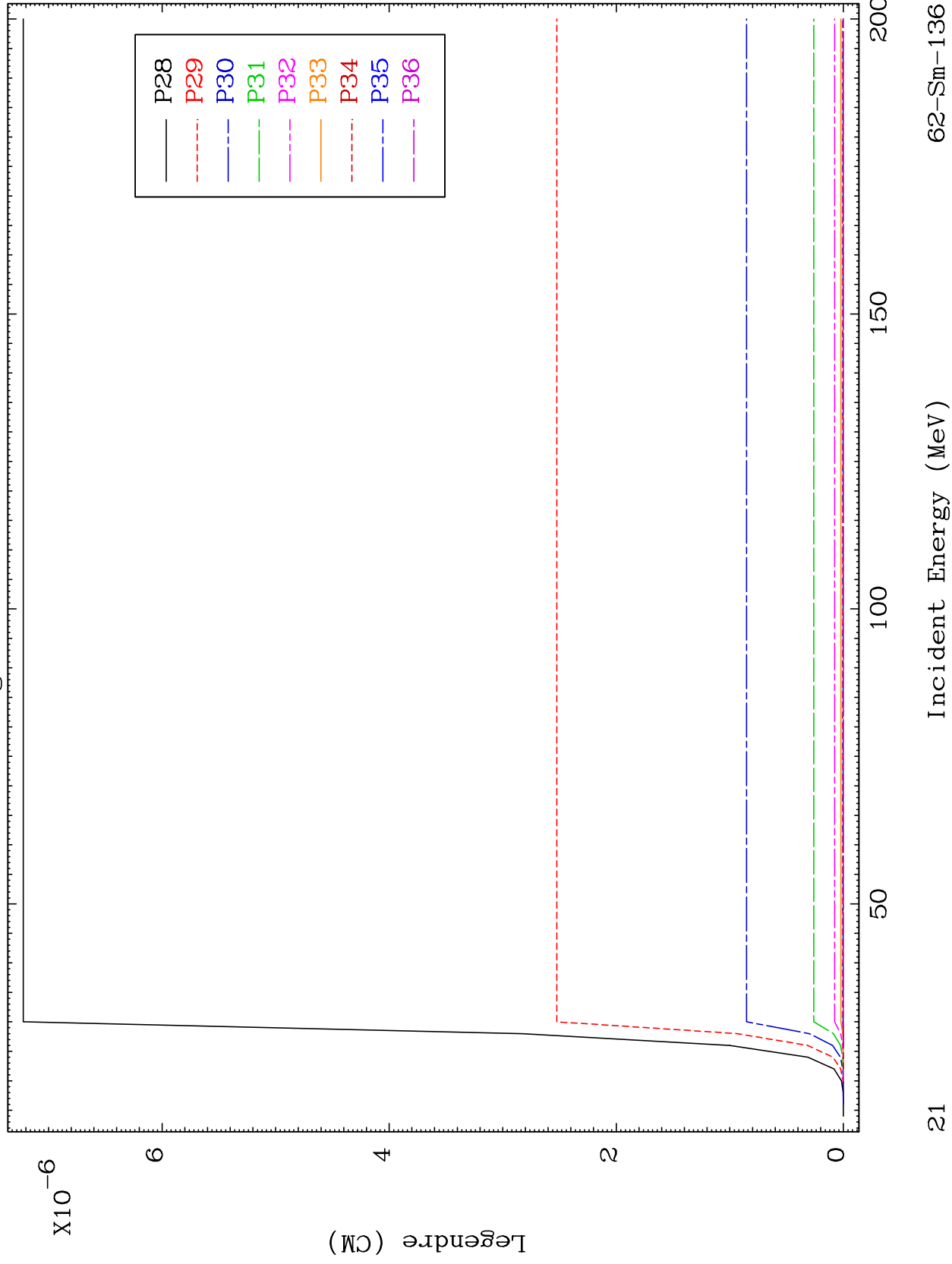
Incident Energy (MeV)

20

MAT 6201

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

62-Sm-136



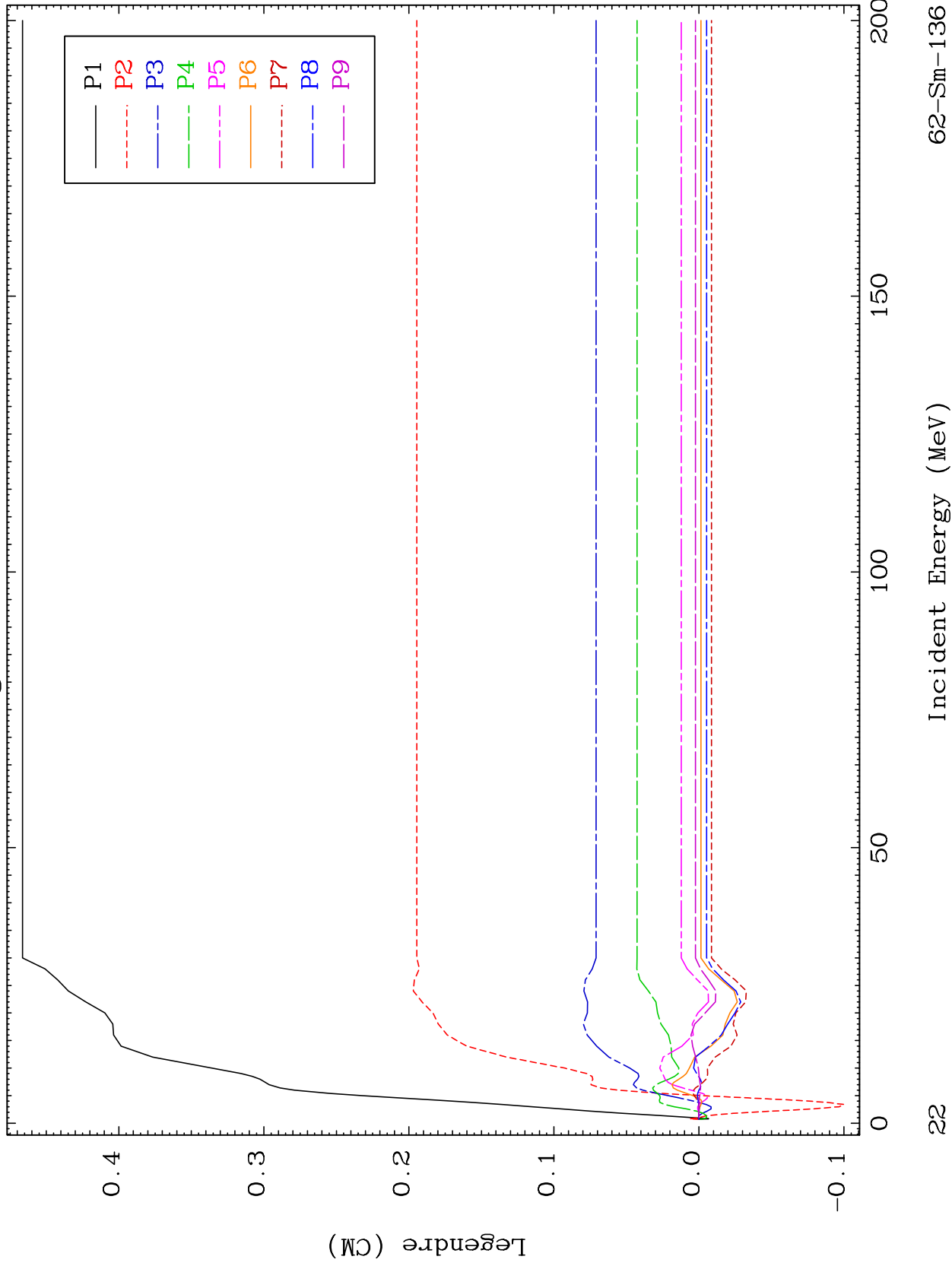
21

62-Sm-136

MAT 6201

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

62-Sm-136



62-Sm-136

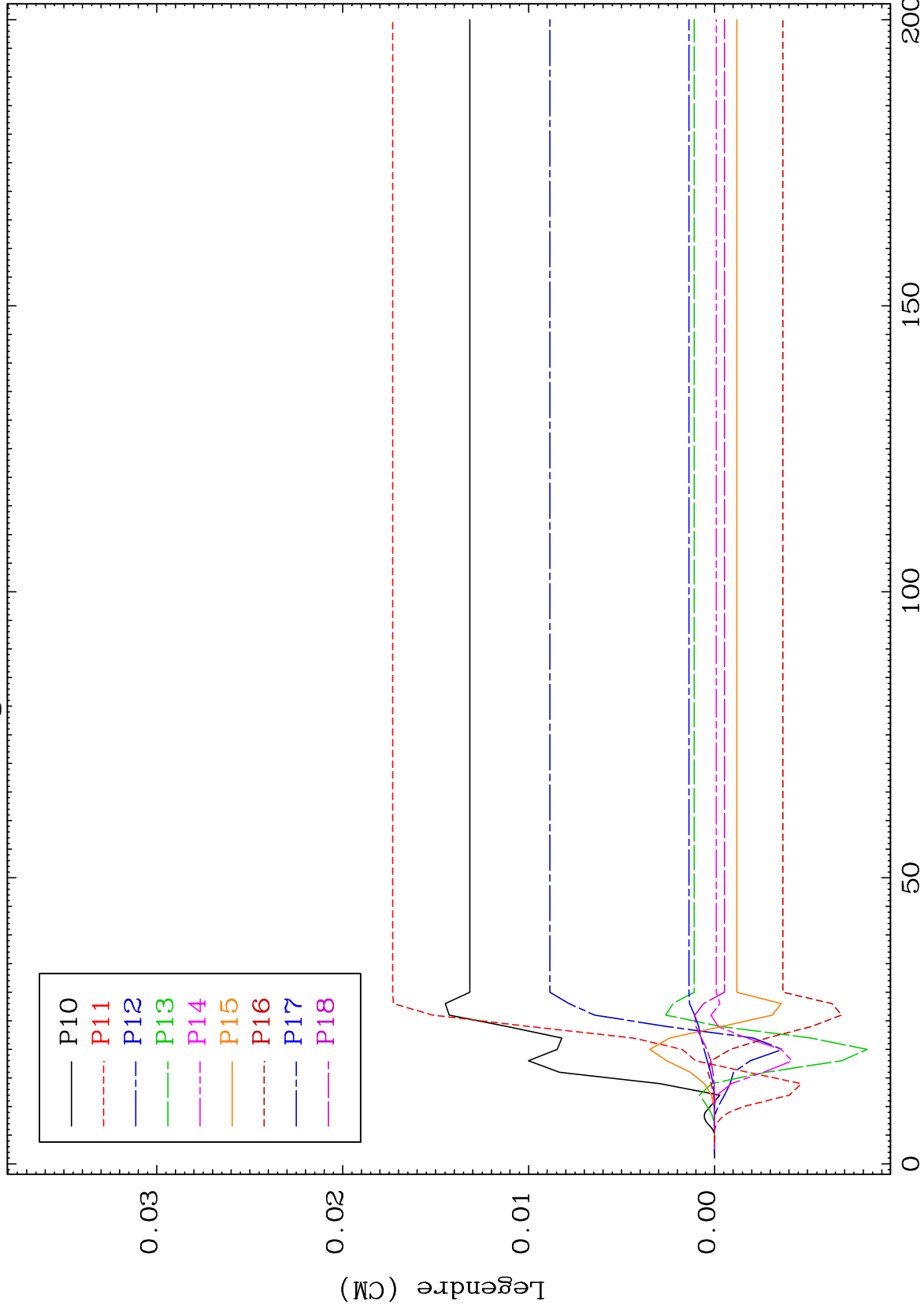
Incident Energy (MeV)

22

MAT 6201

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

62-Sm-136

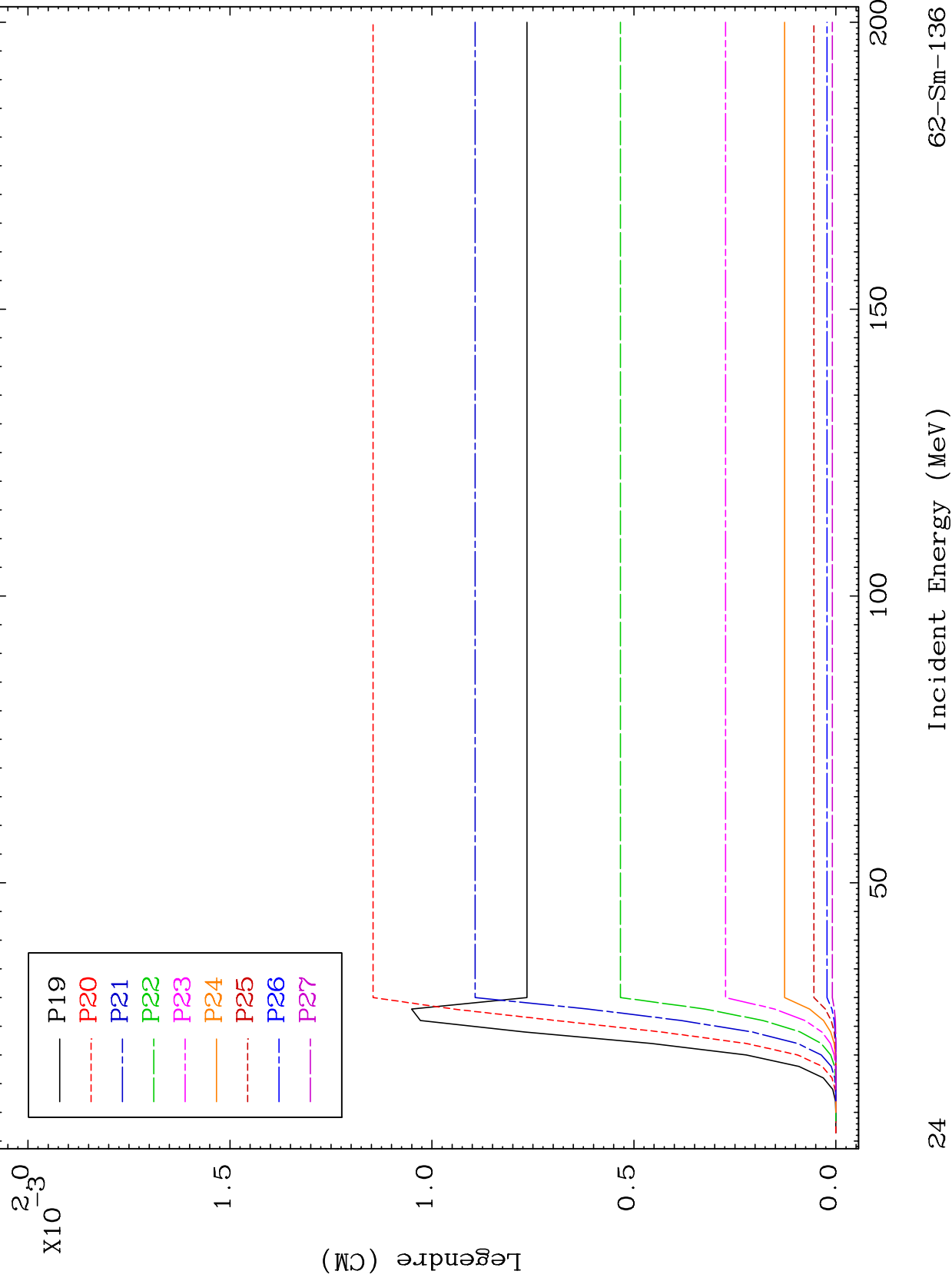


23

Incident Energy (MeV)

62-Sm-136

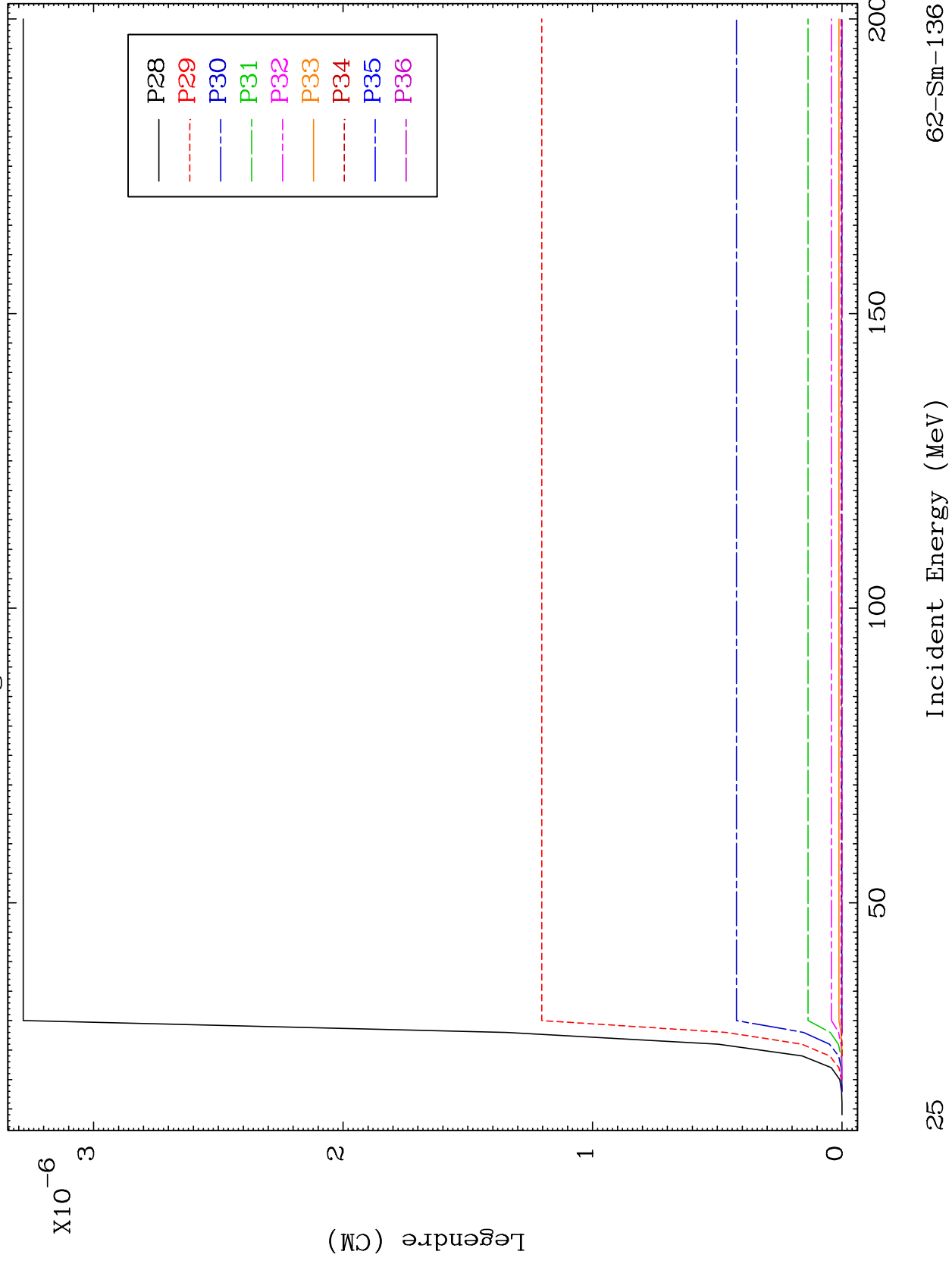




MAT 6201

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

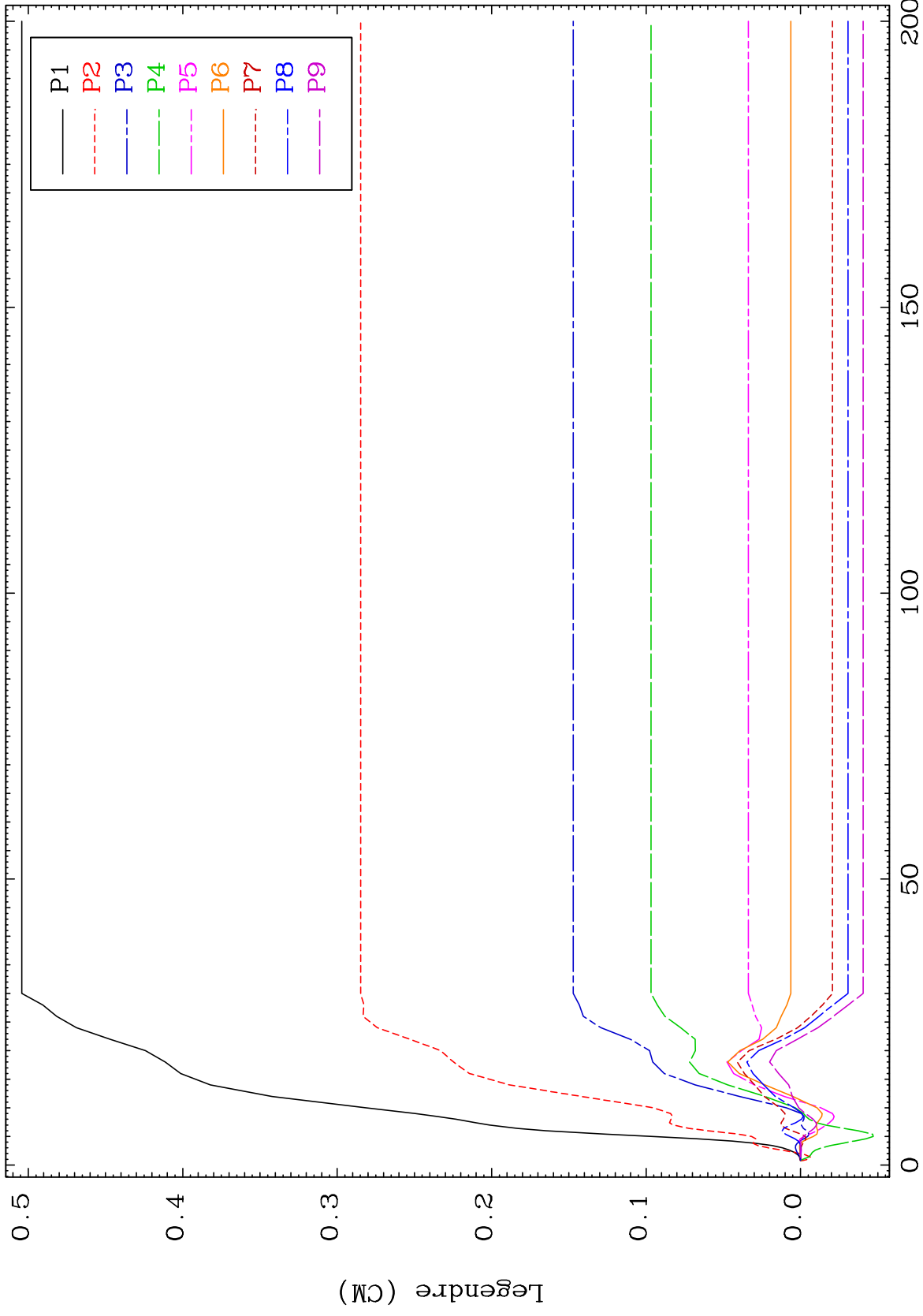
62-Sm-136



MAT 6201

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

62-Sm-136

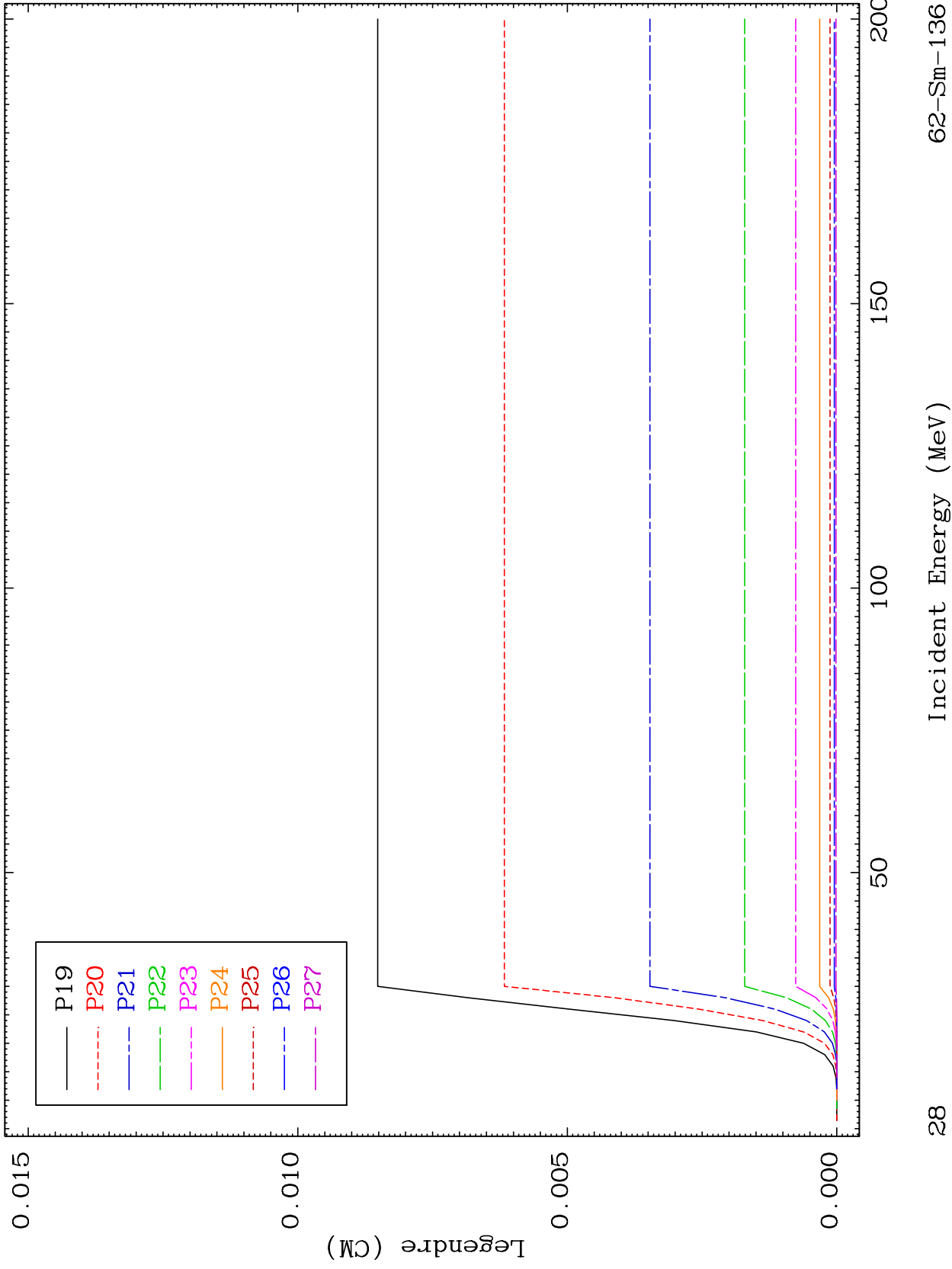


26

Incident Energy (MeV)

62-Sm-136

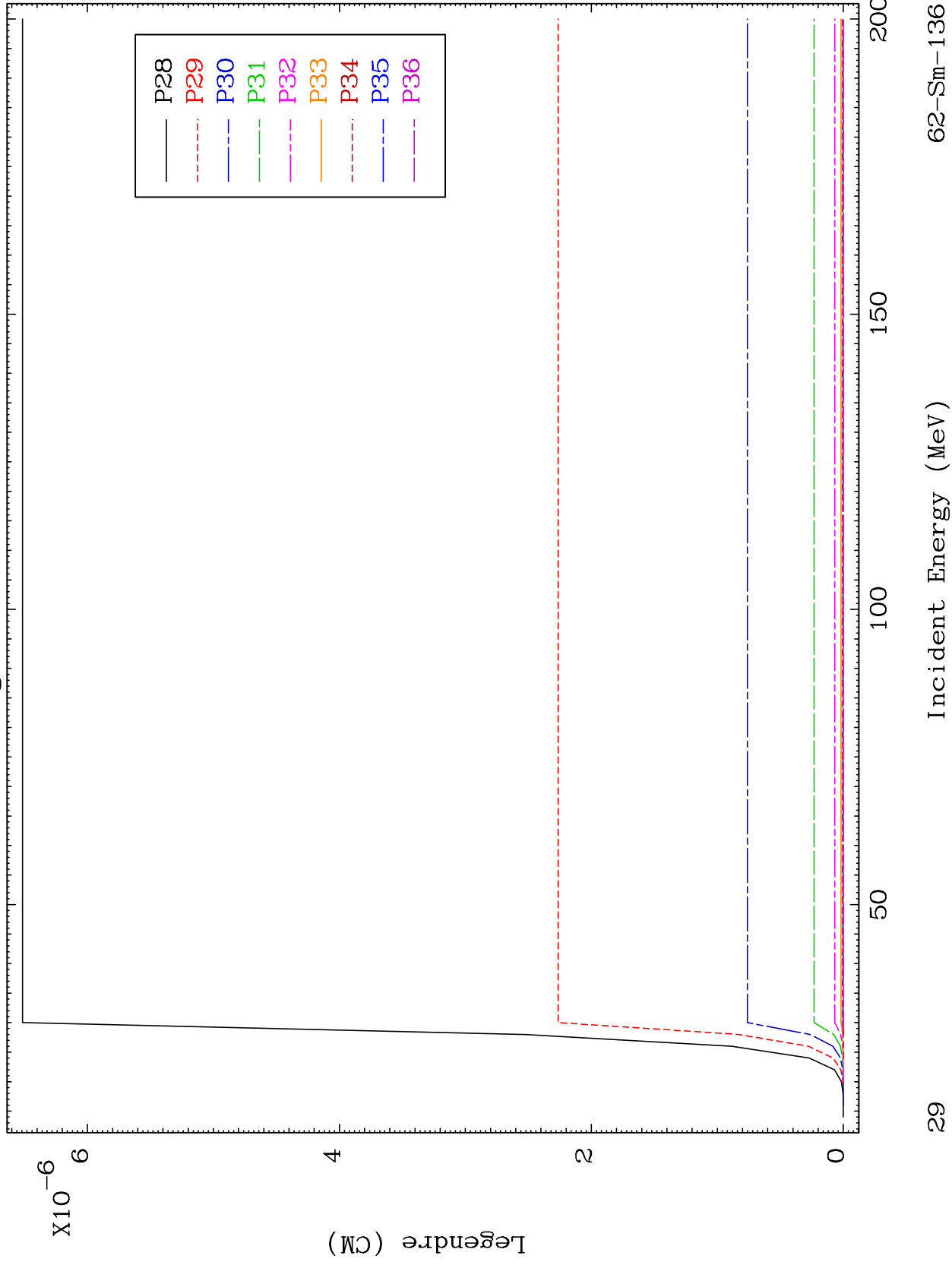




MAT 6201

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

62-Sm-136



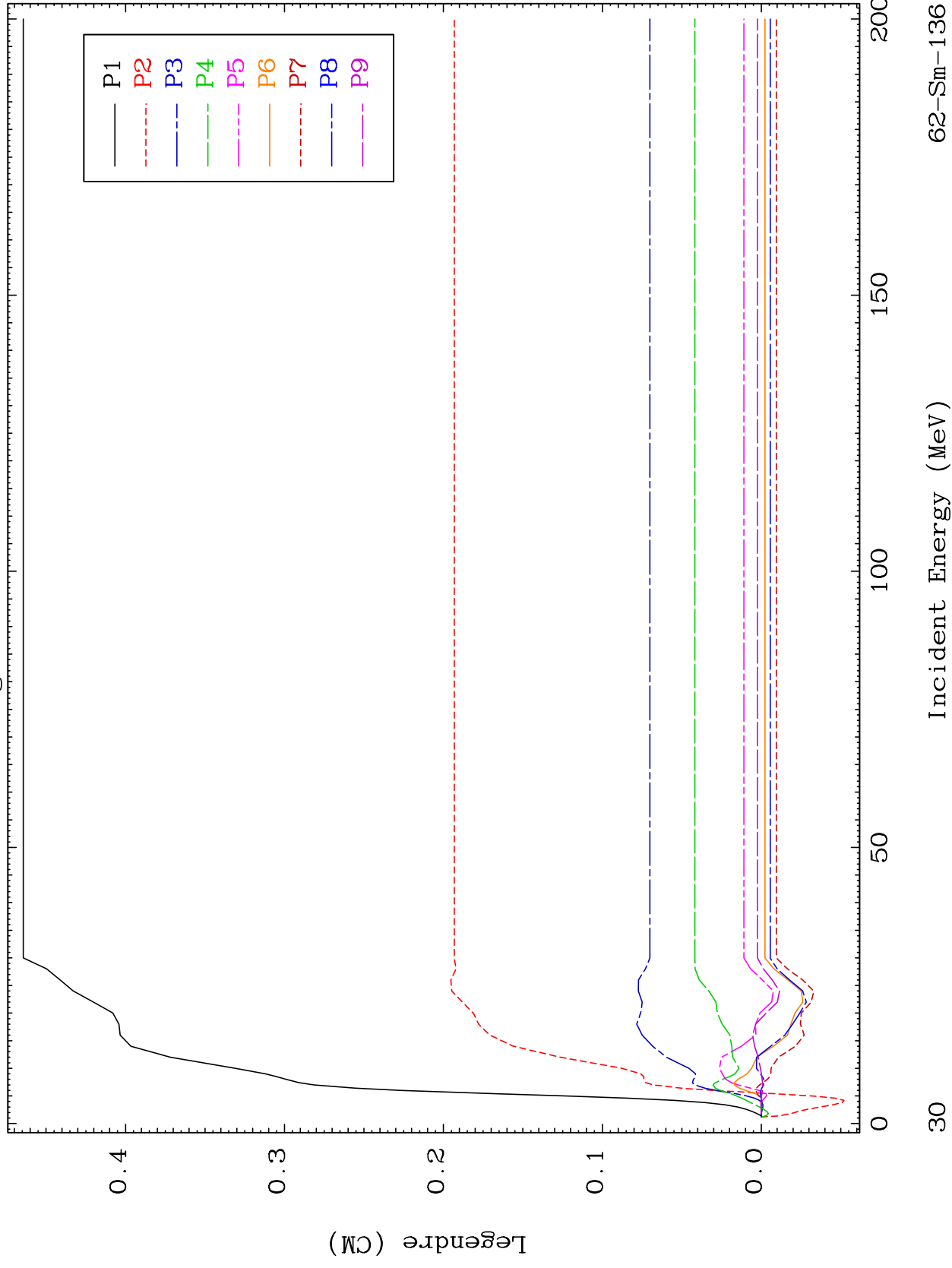
29

62-Sm-136

MAT 6201

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

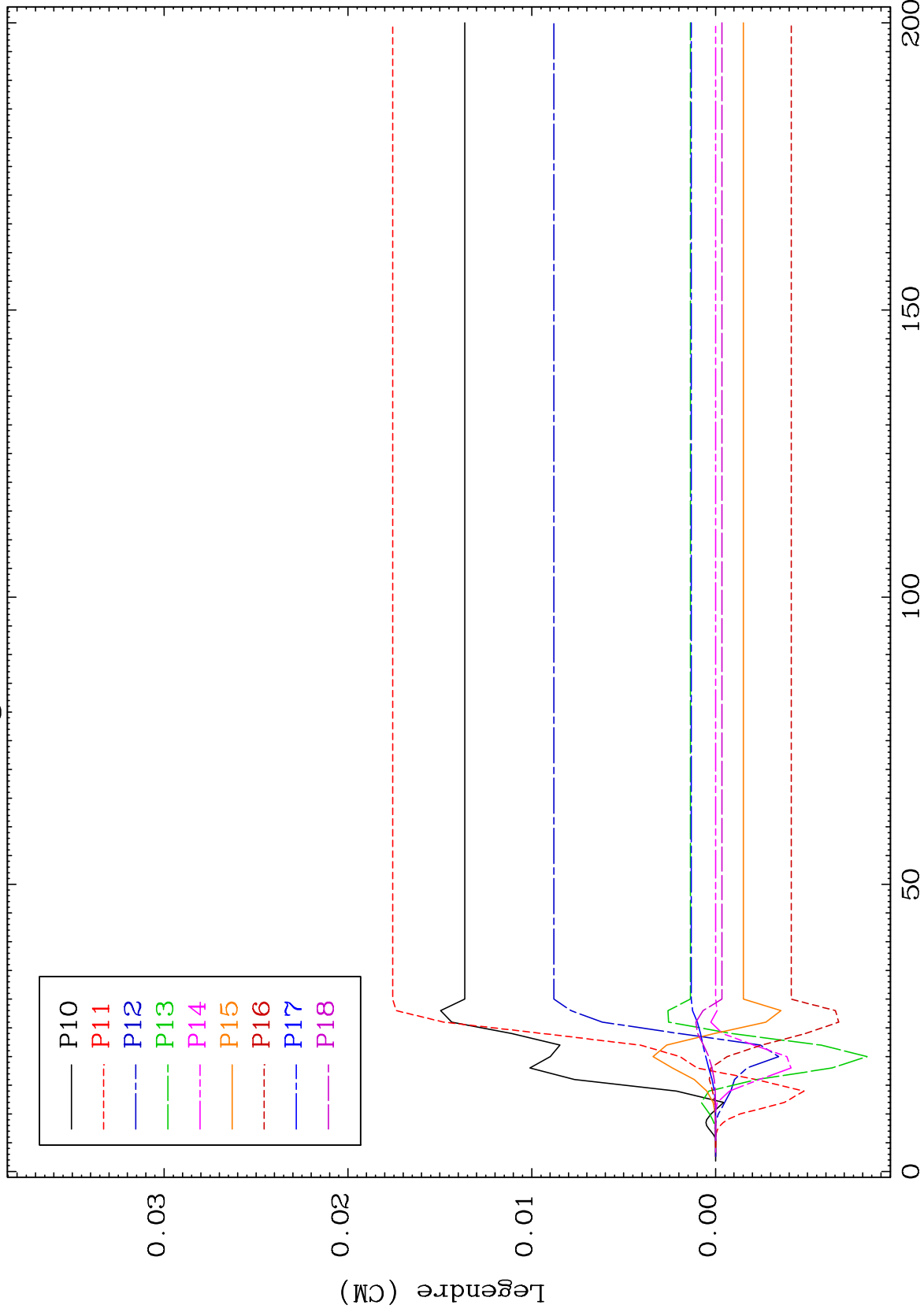
62-Sm-136



62-Sm-136

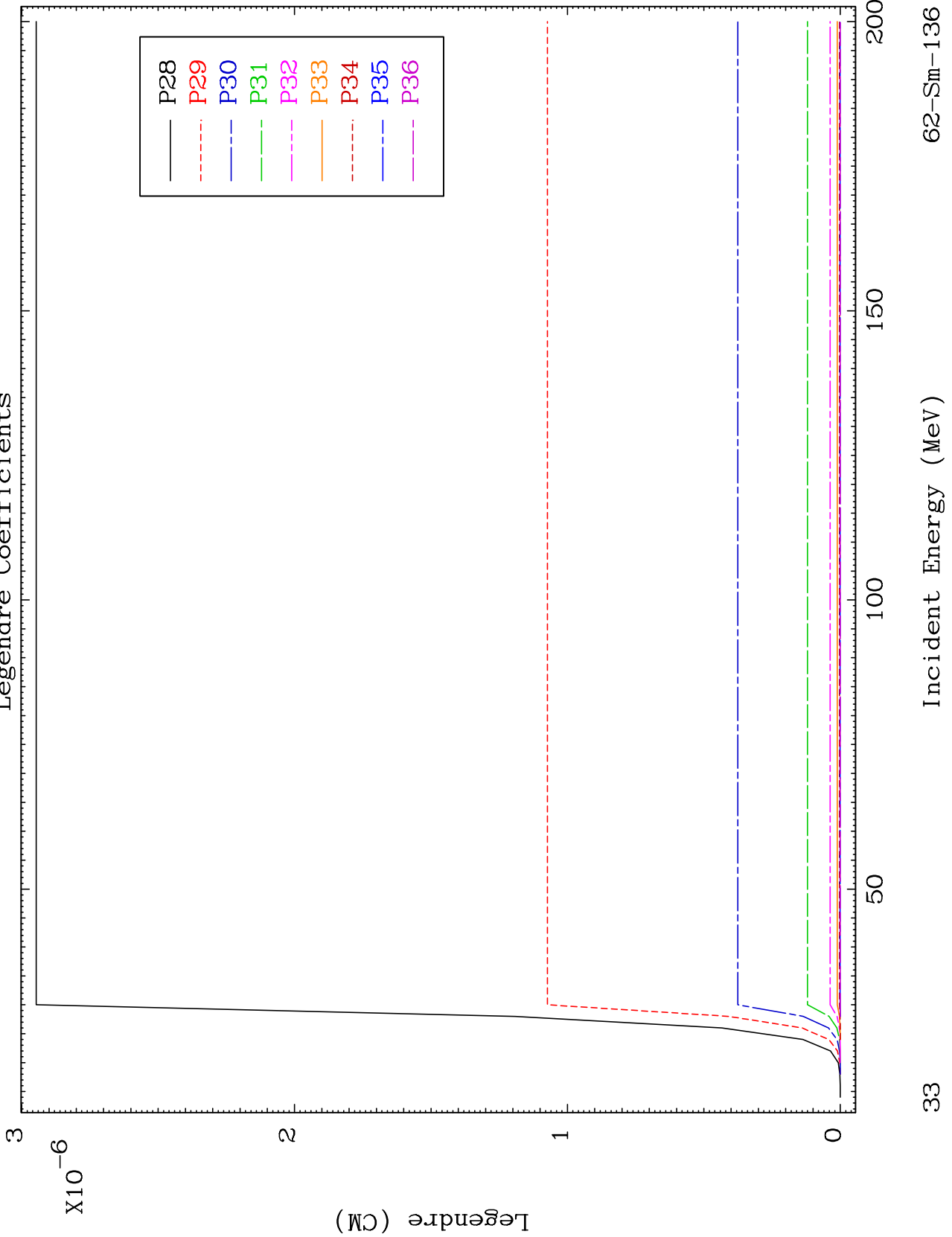
Incident Energy (MeV)

30





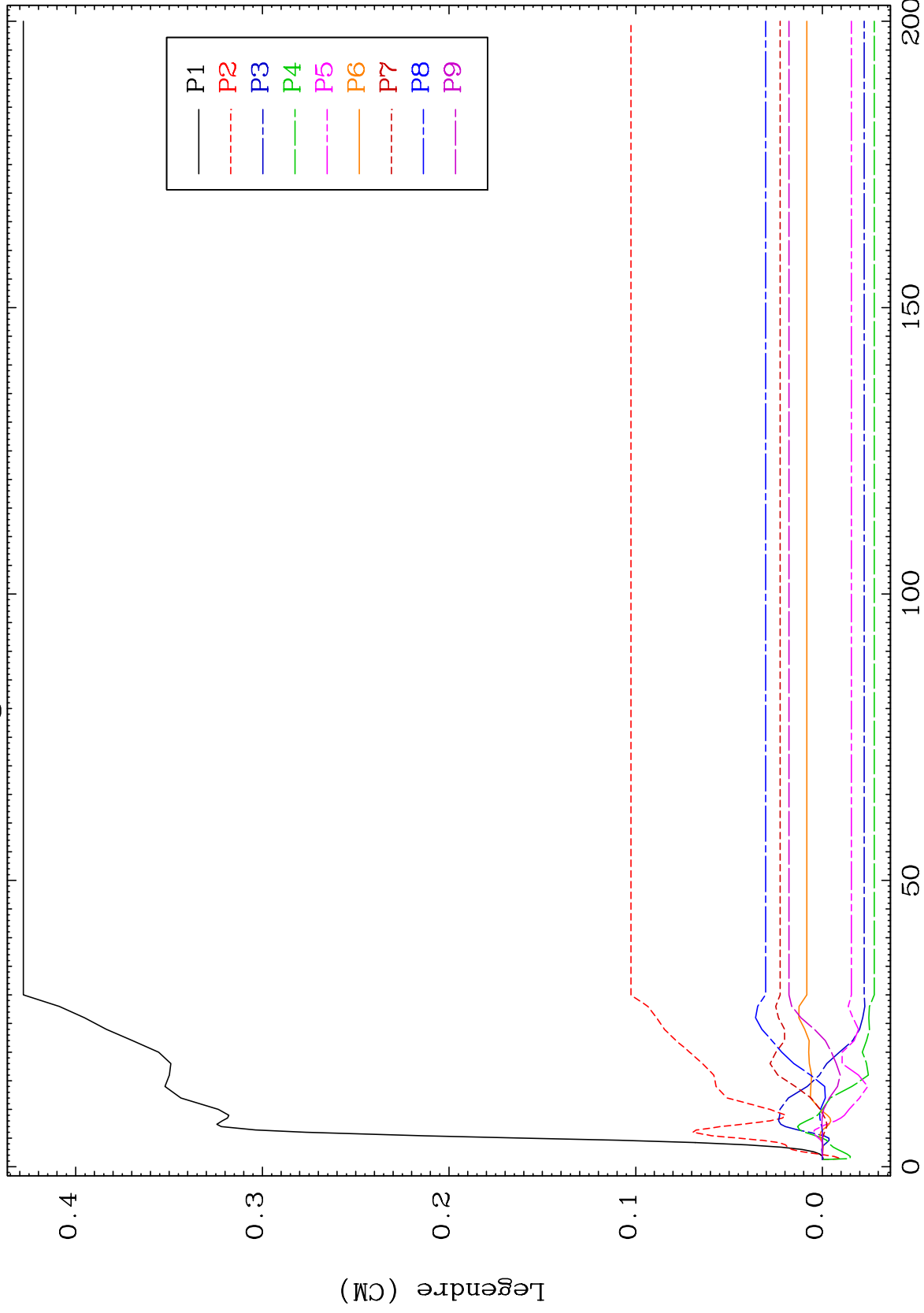




MAT 6201

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

62-Sm-136



34

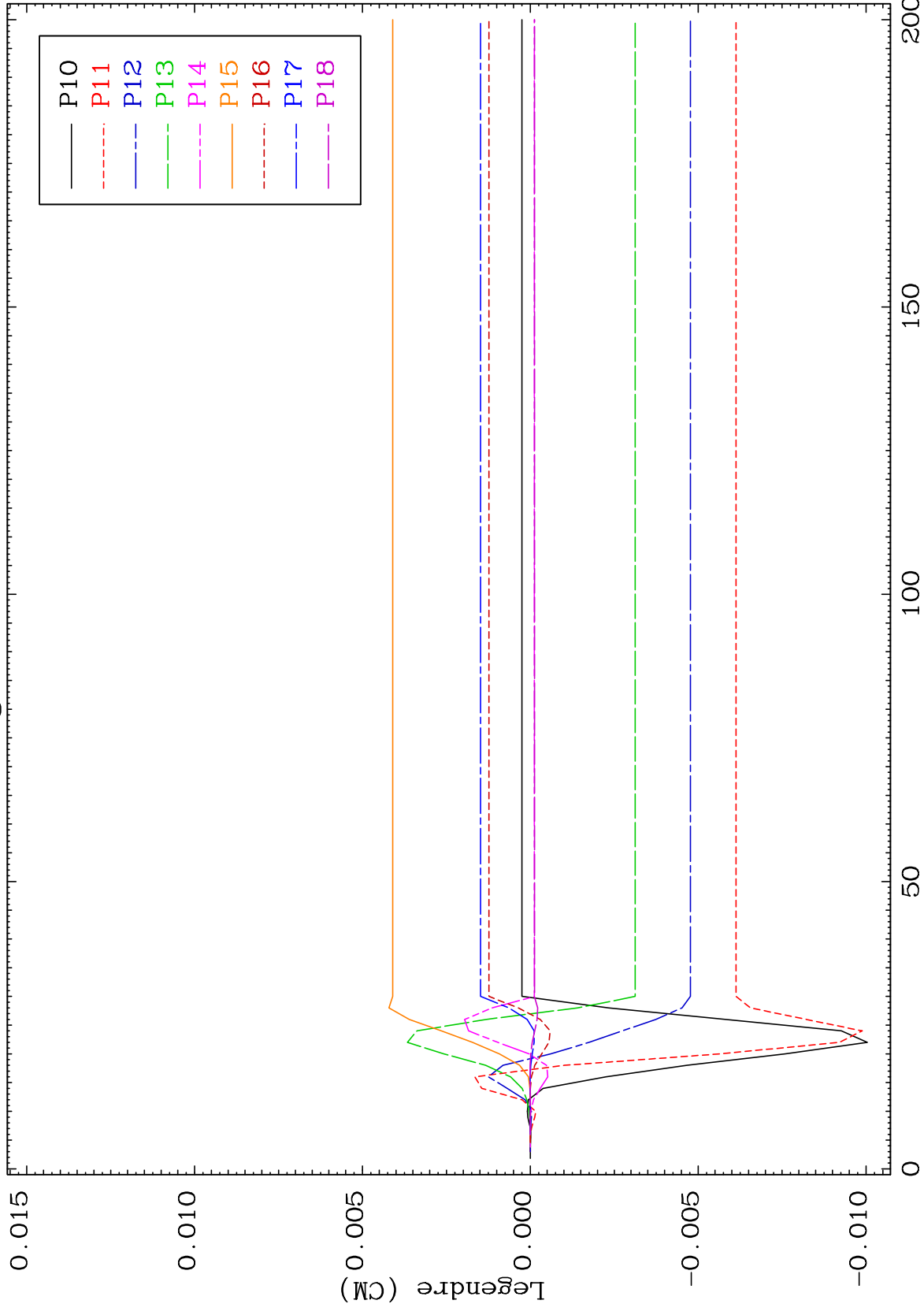
Incident Energy (MeV)

62-Sm-136

MAT 6201

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

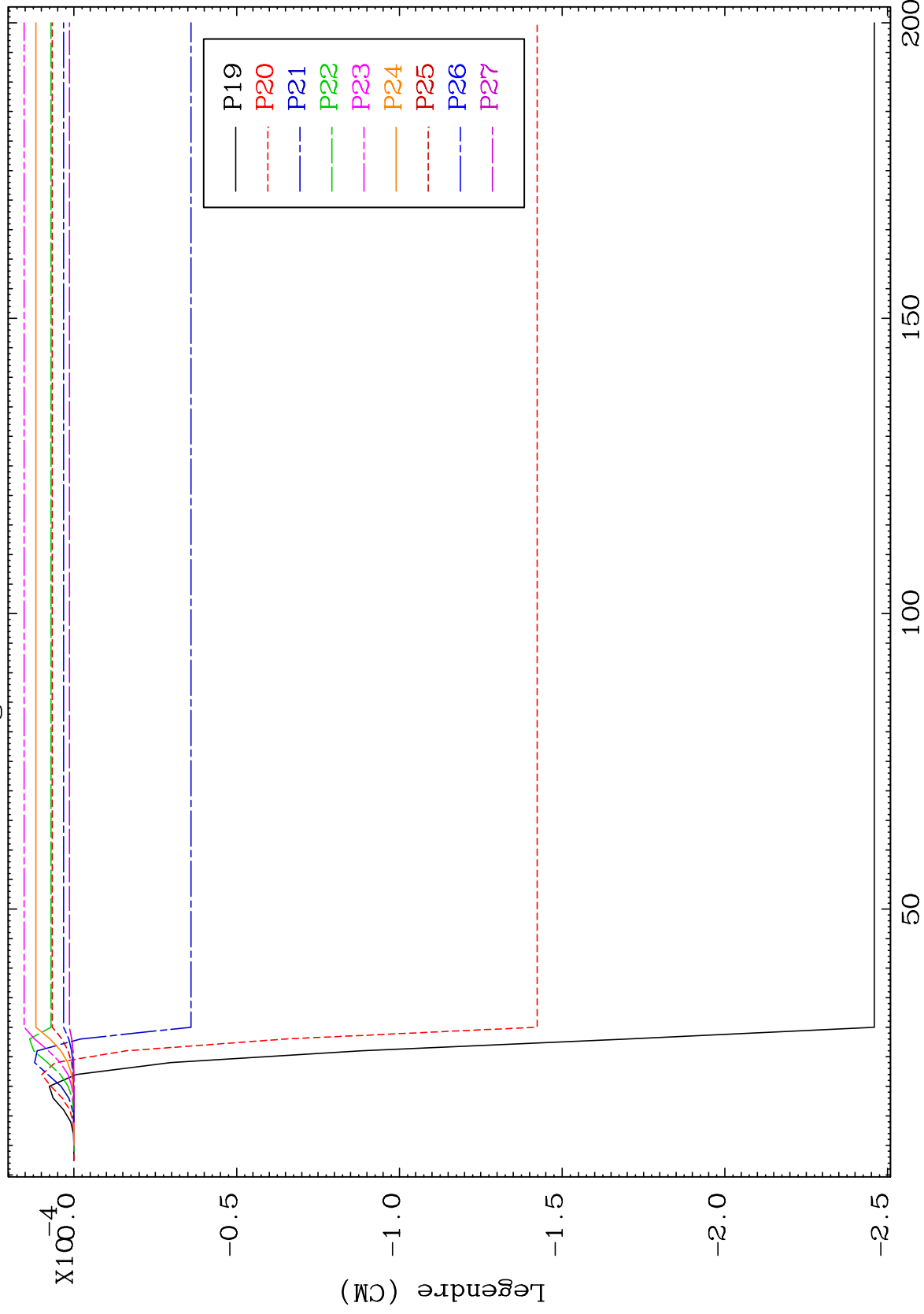
62-Sm-136



35

Incident Energy (MeV)

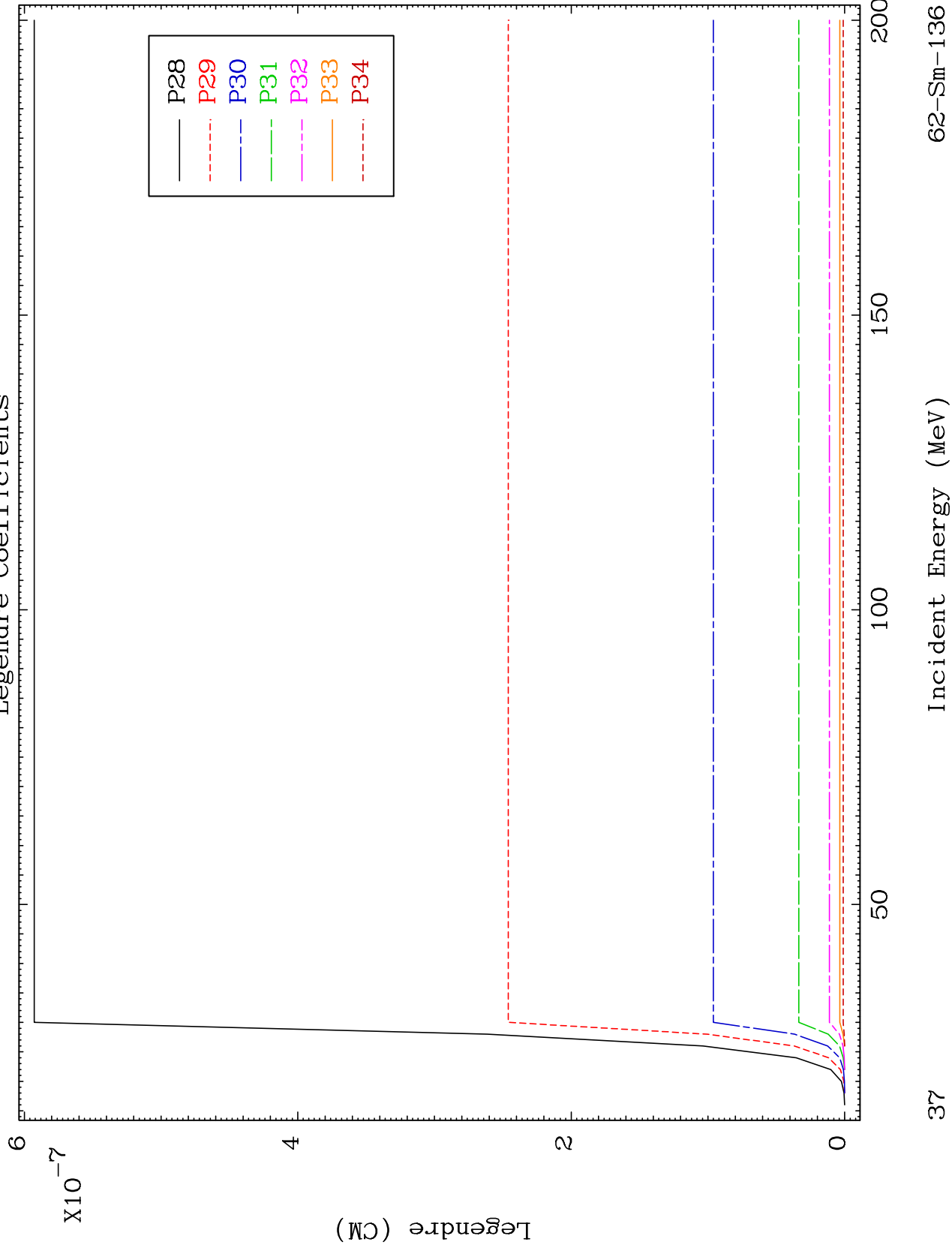
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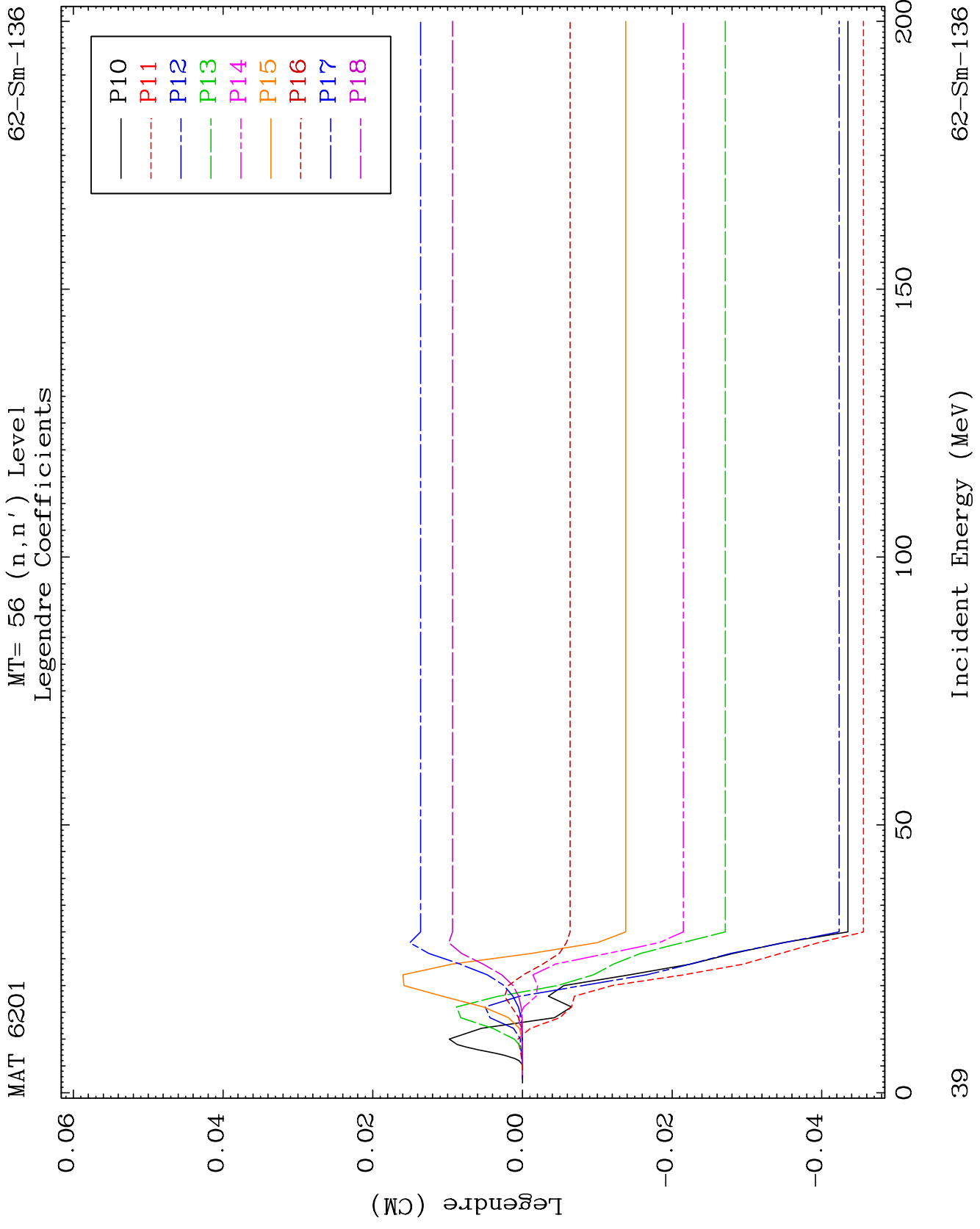
MAT 6201

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

62-Sm-136





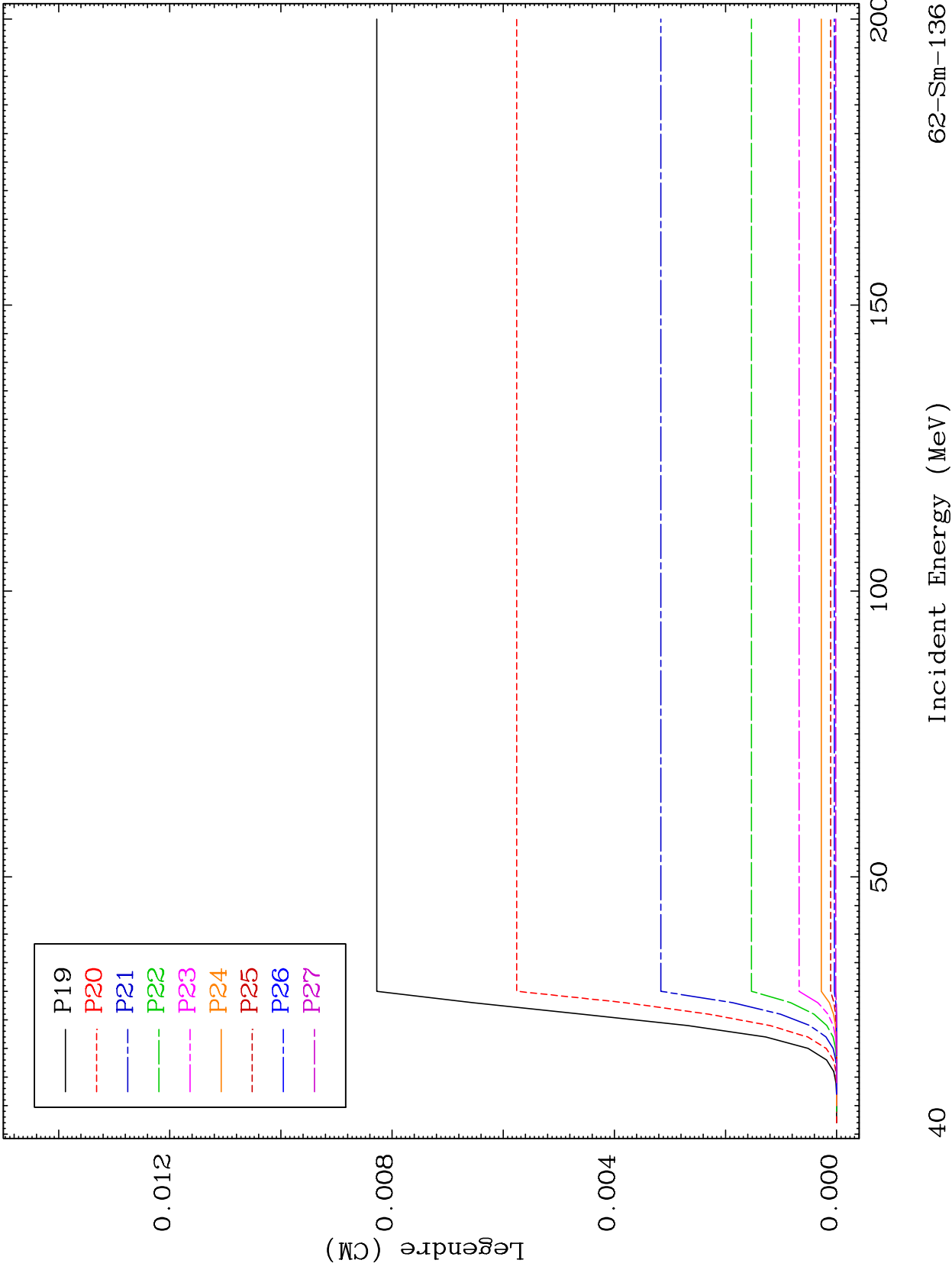




MAT 6201

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

62-Sm-136



40

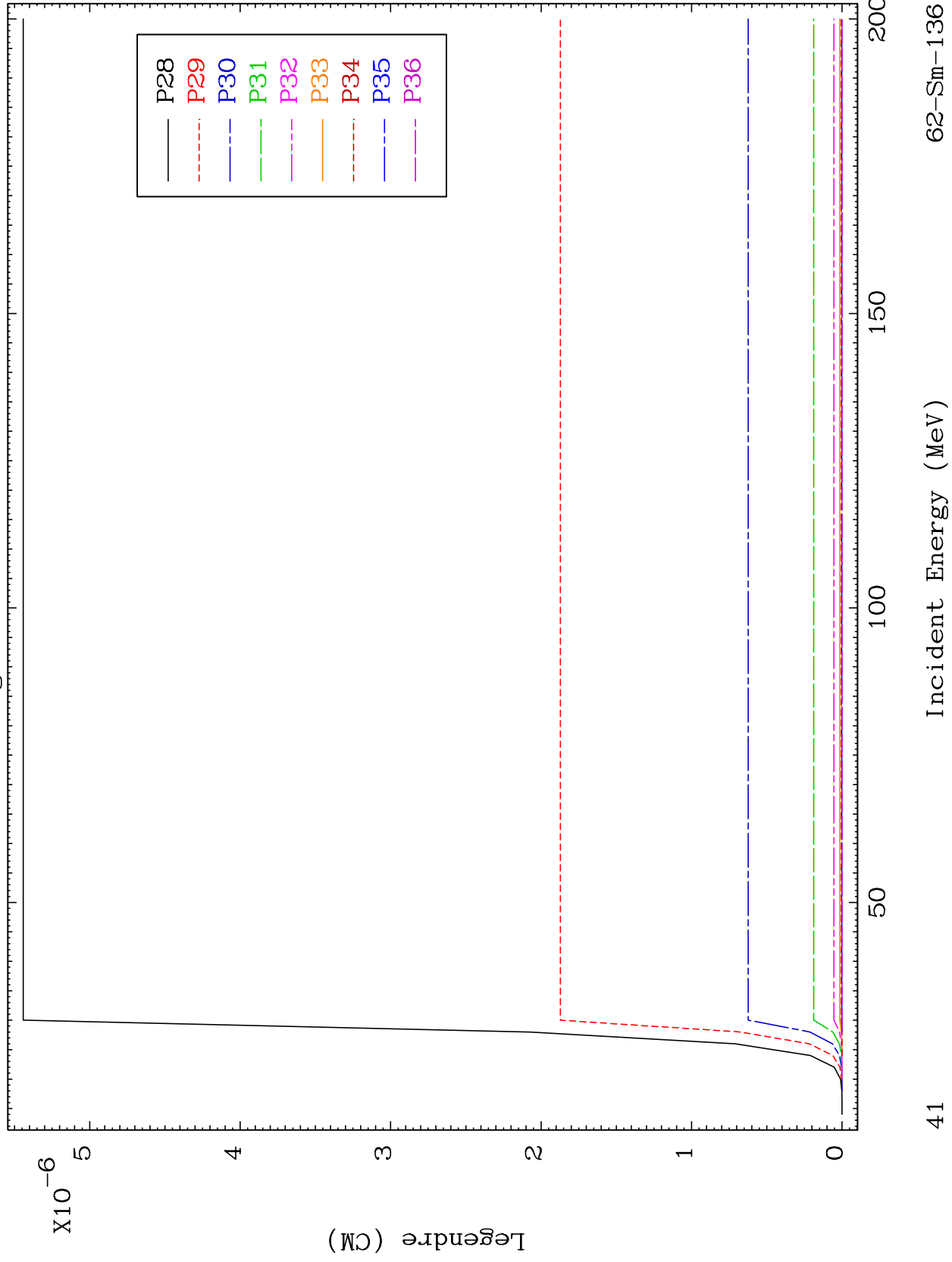
Incident Energy (MeV)

62-Sm-136

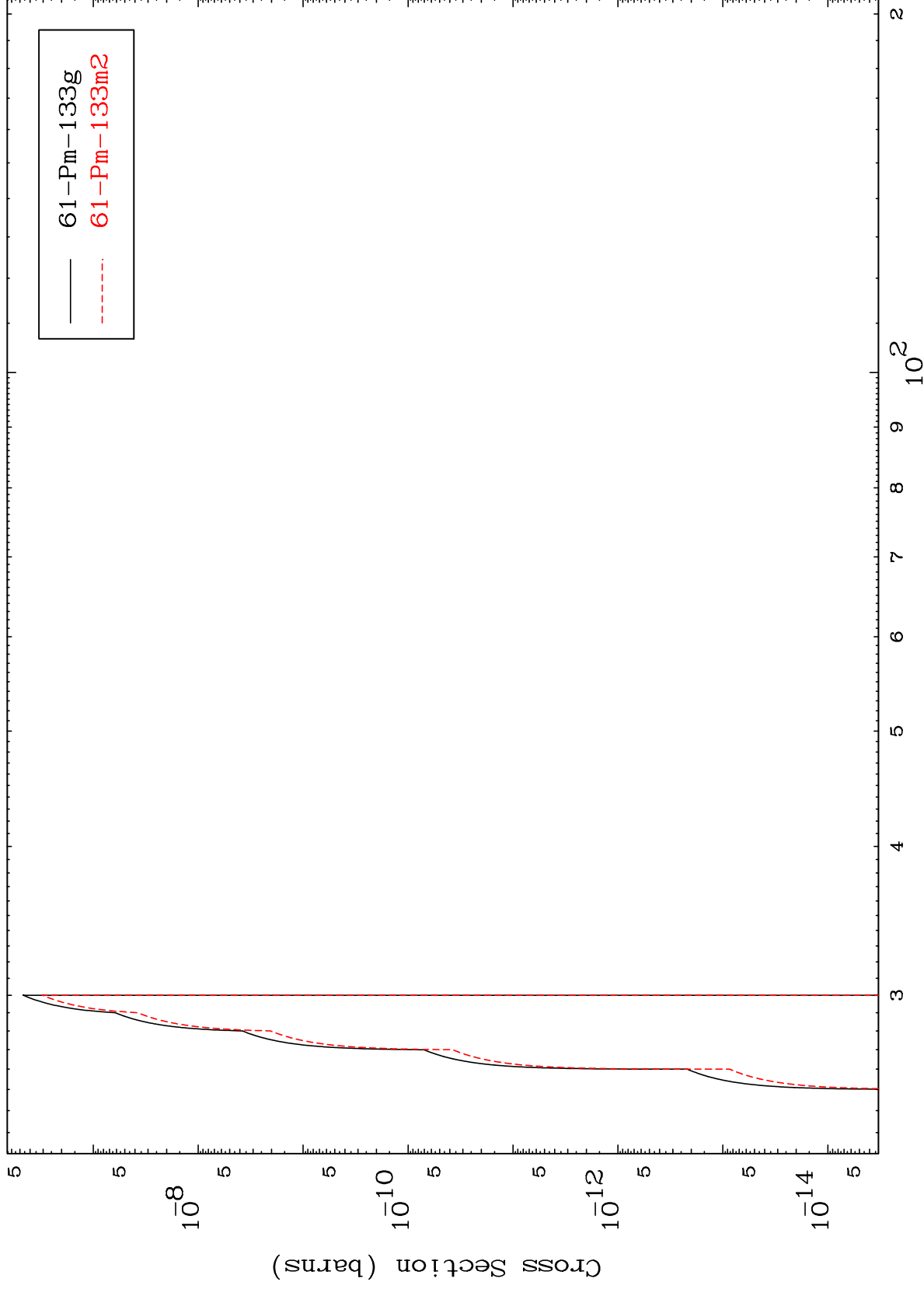
MAT 6201

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

62-Sm-136



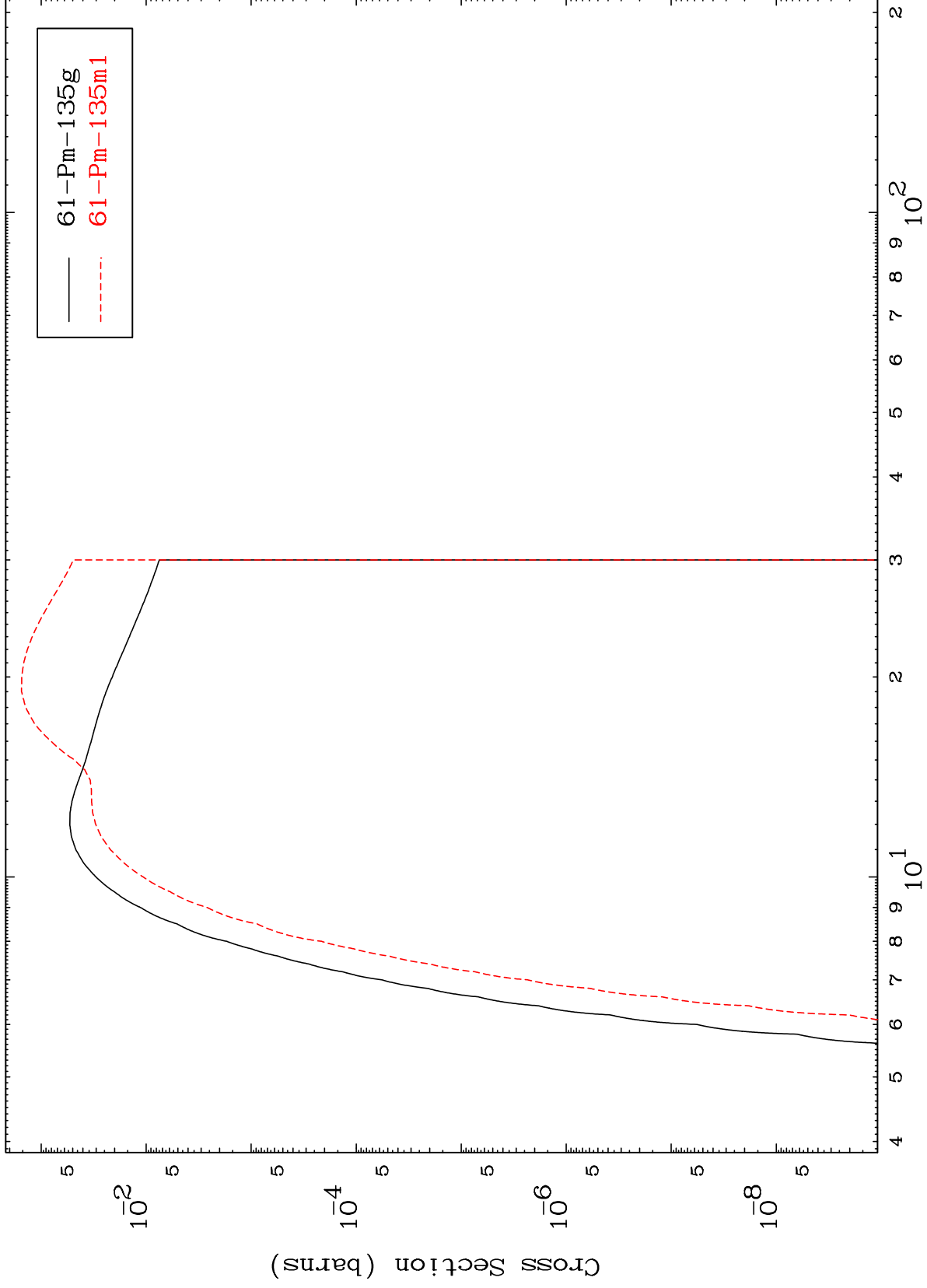
Radionuclide Production Cross Section



MAT 6201

62-Sm-136

(n,n') p  
Radionuclide Production Cross Section



43

Incident Energy (MeV)

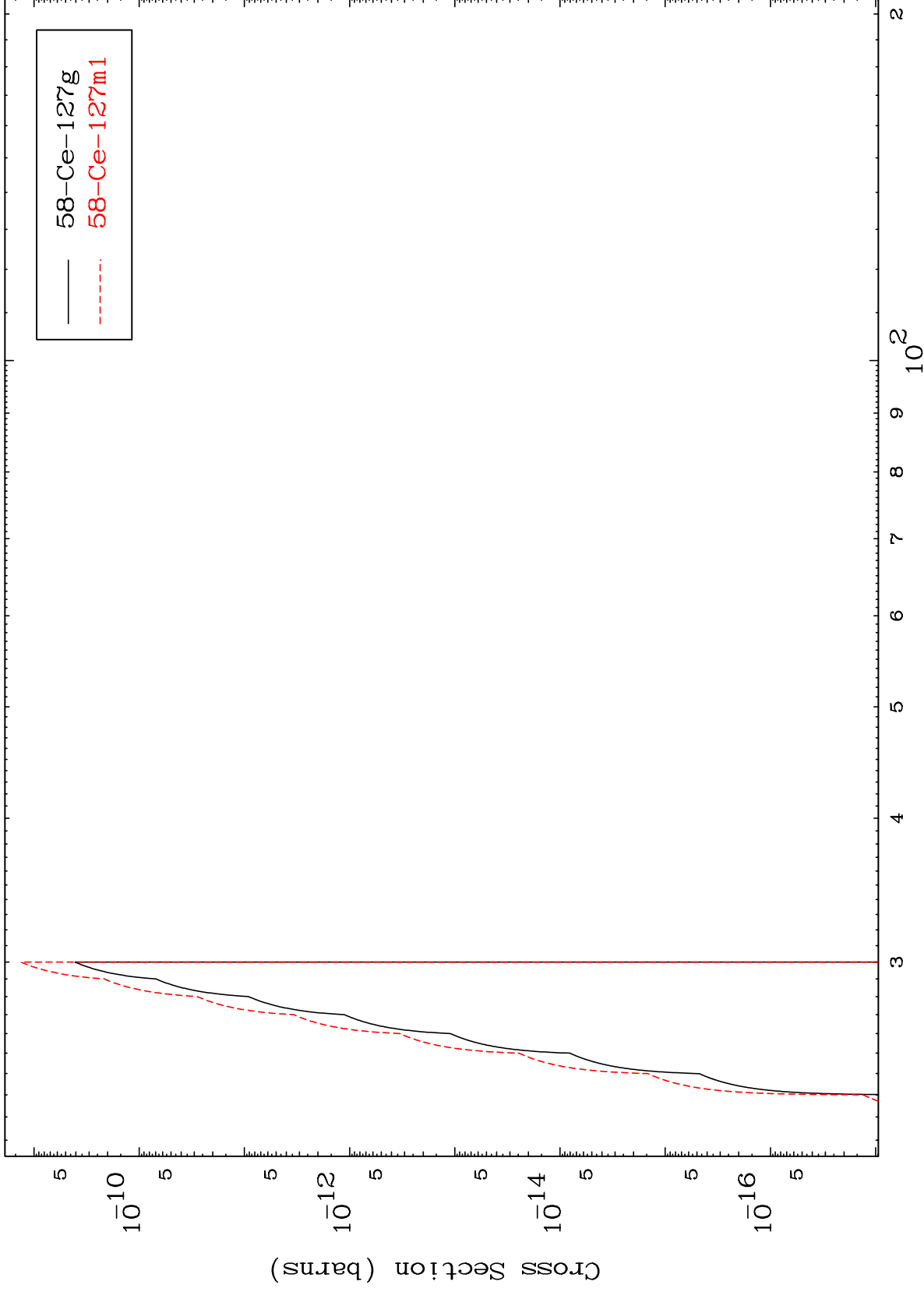
62-Sm-136

MAT 6201

(n,2n) 2α

62-Sm-136

Radionuclide Production Cross Section



44

Incident Energy (MeV)

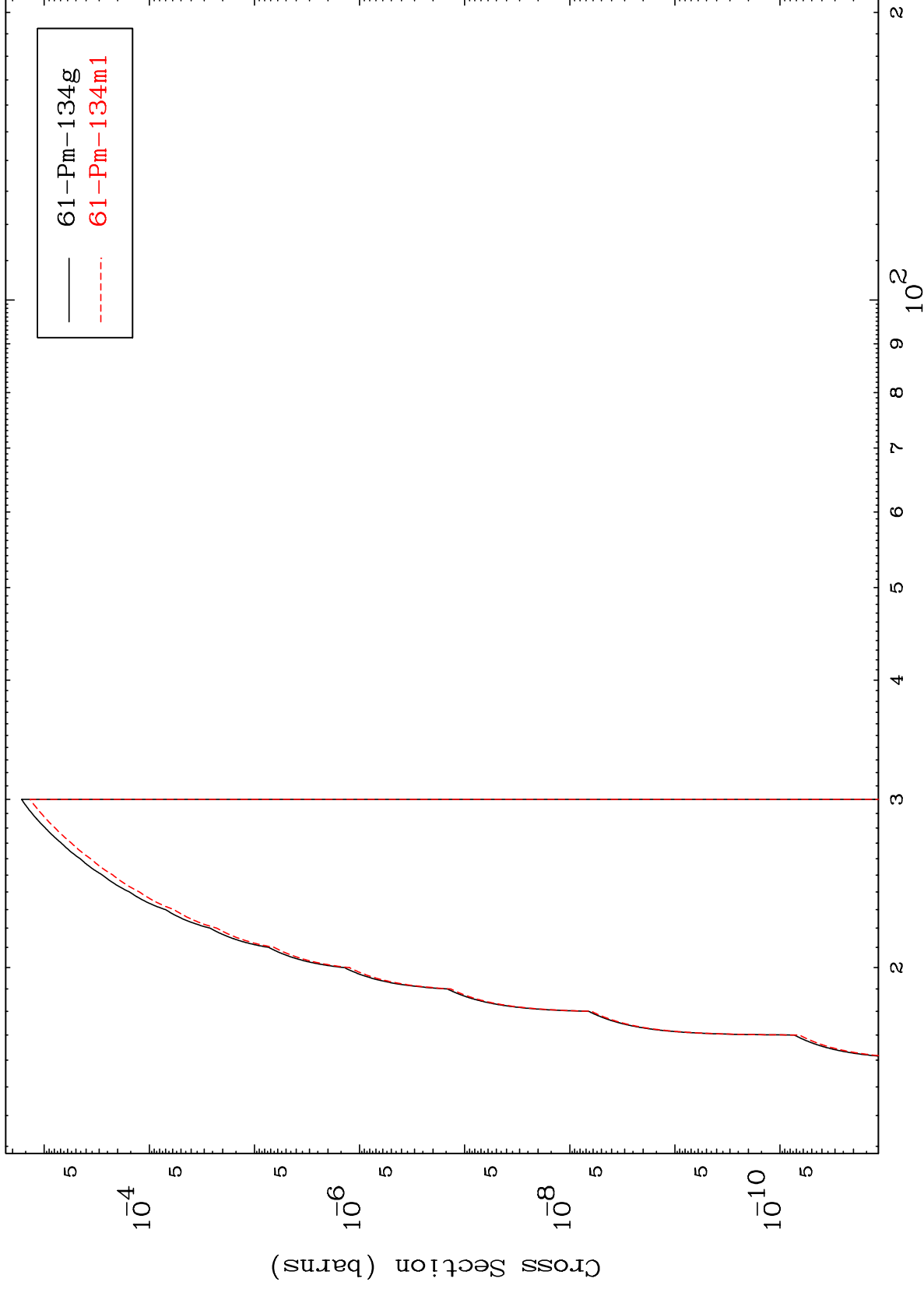
62-Sm-136

MAT 6201

(n,n') d

62-Sm-136

Radionuclide Production Cross Section



45

Incident Energy (MeV)

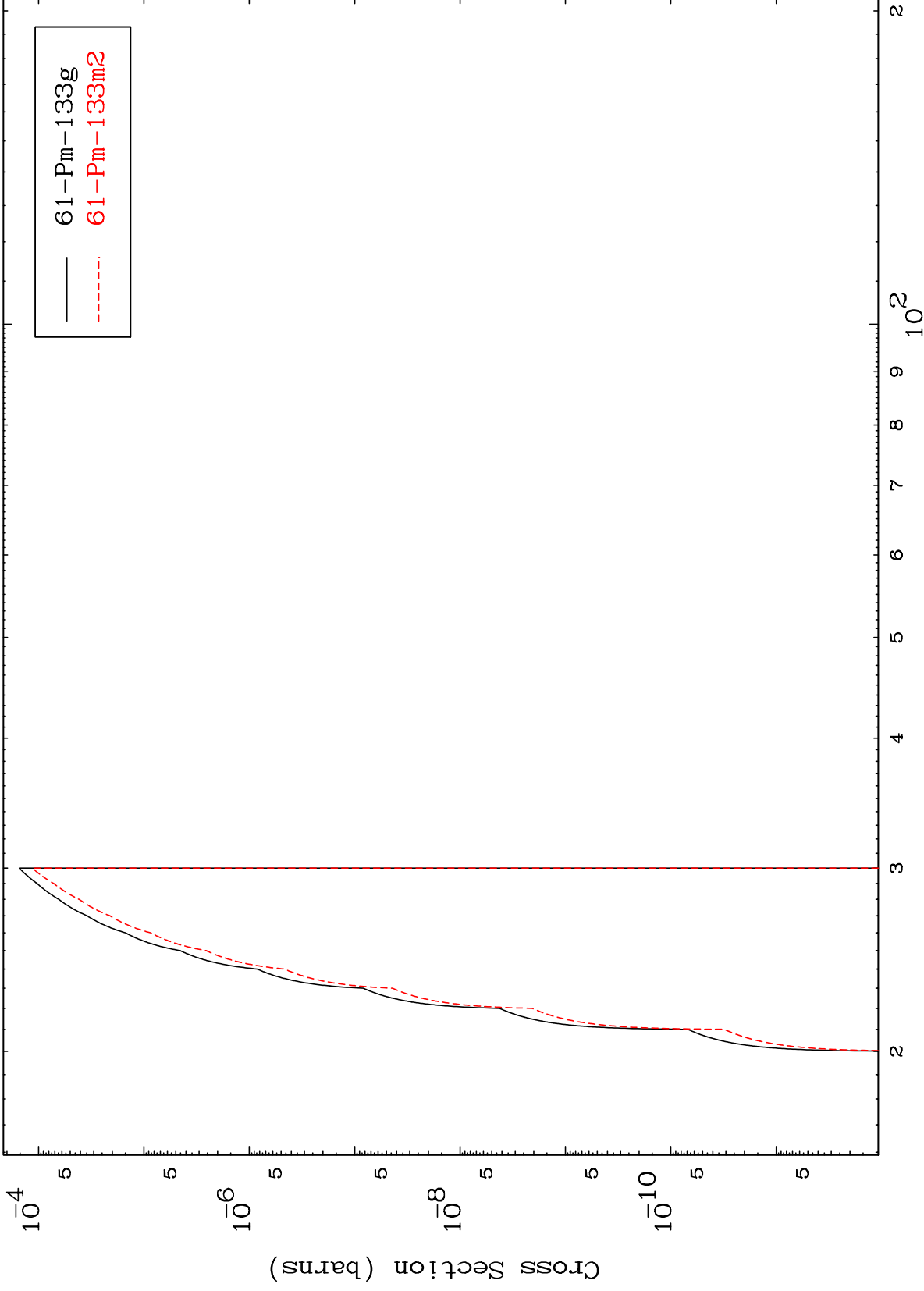
62-Sm-136

MAT 6201

(n,n') t

62-Sm-136

Radionuclide Production Cross Section



46

Incident Energy (MeV)

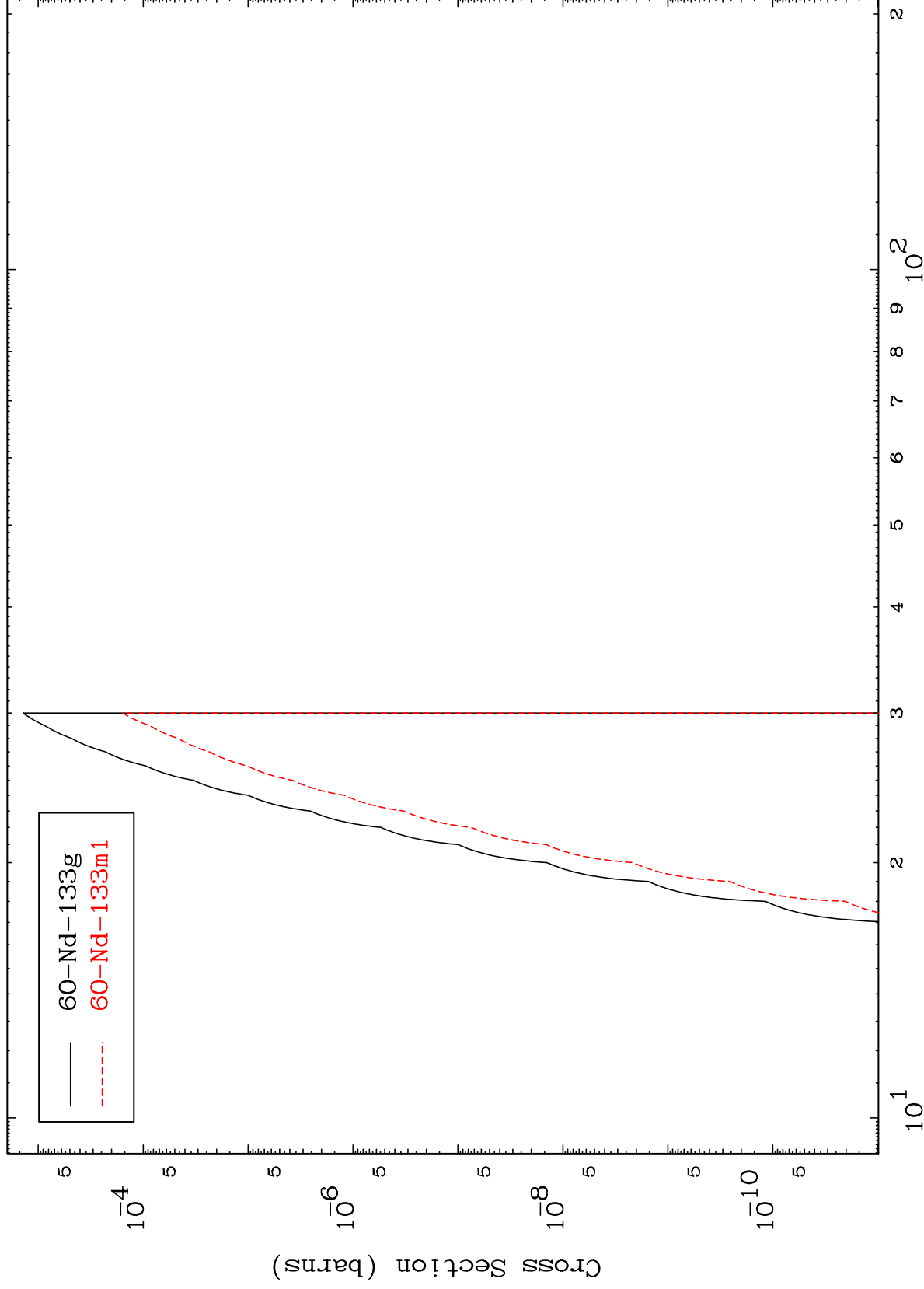
62-Sm-136

MAT 6201

(n,n') He-3

62-Sm-136

Radionuclide Production Cross Section



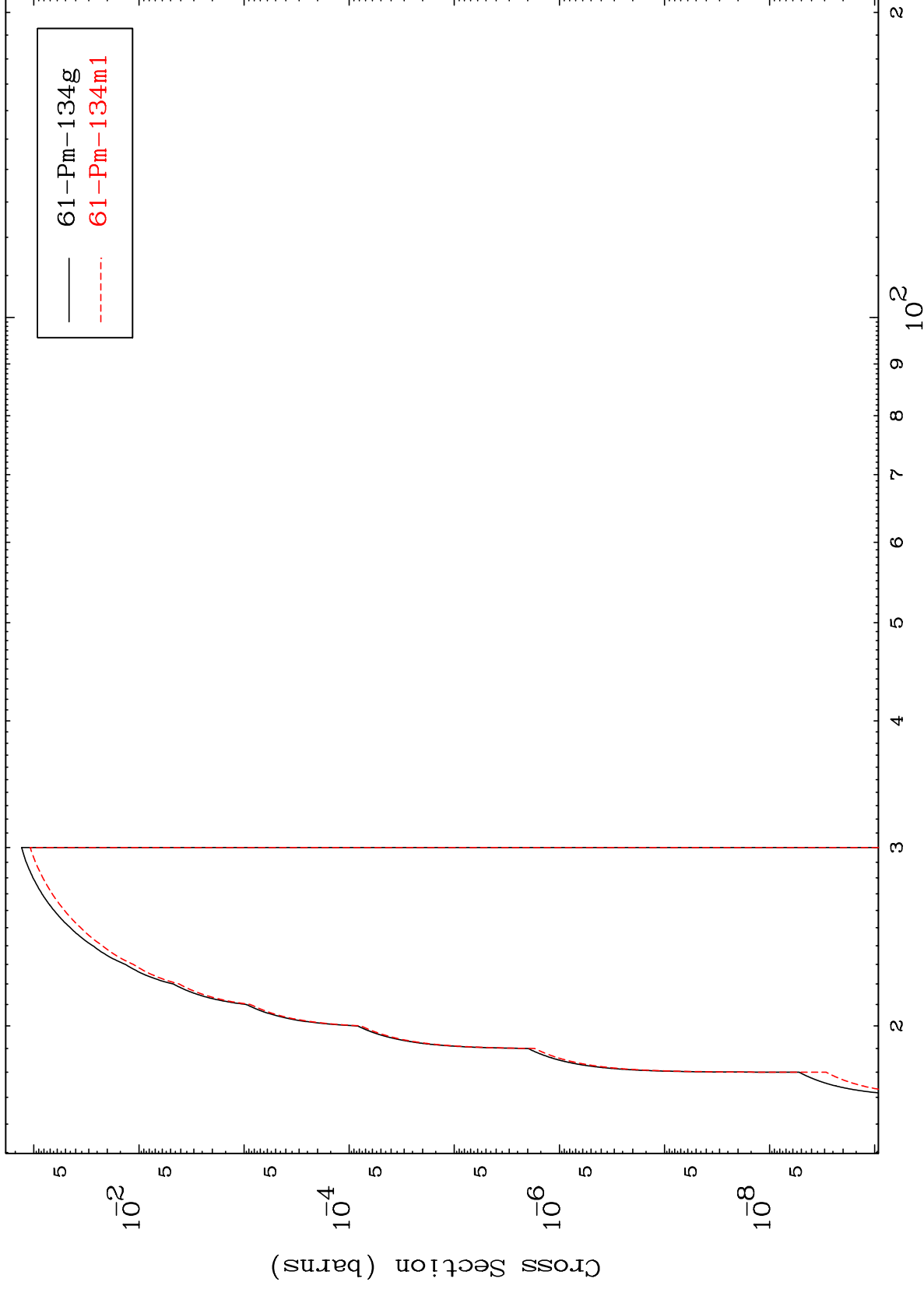
47

Incident Energy (MeV)

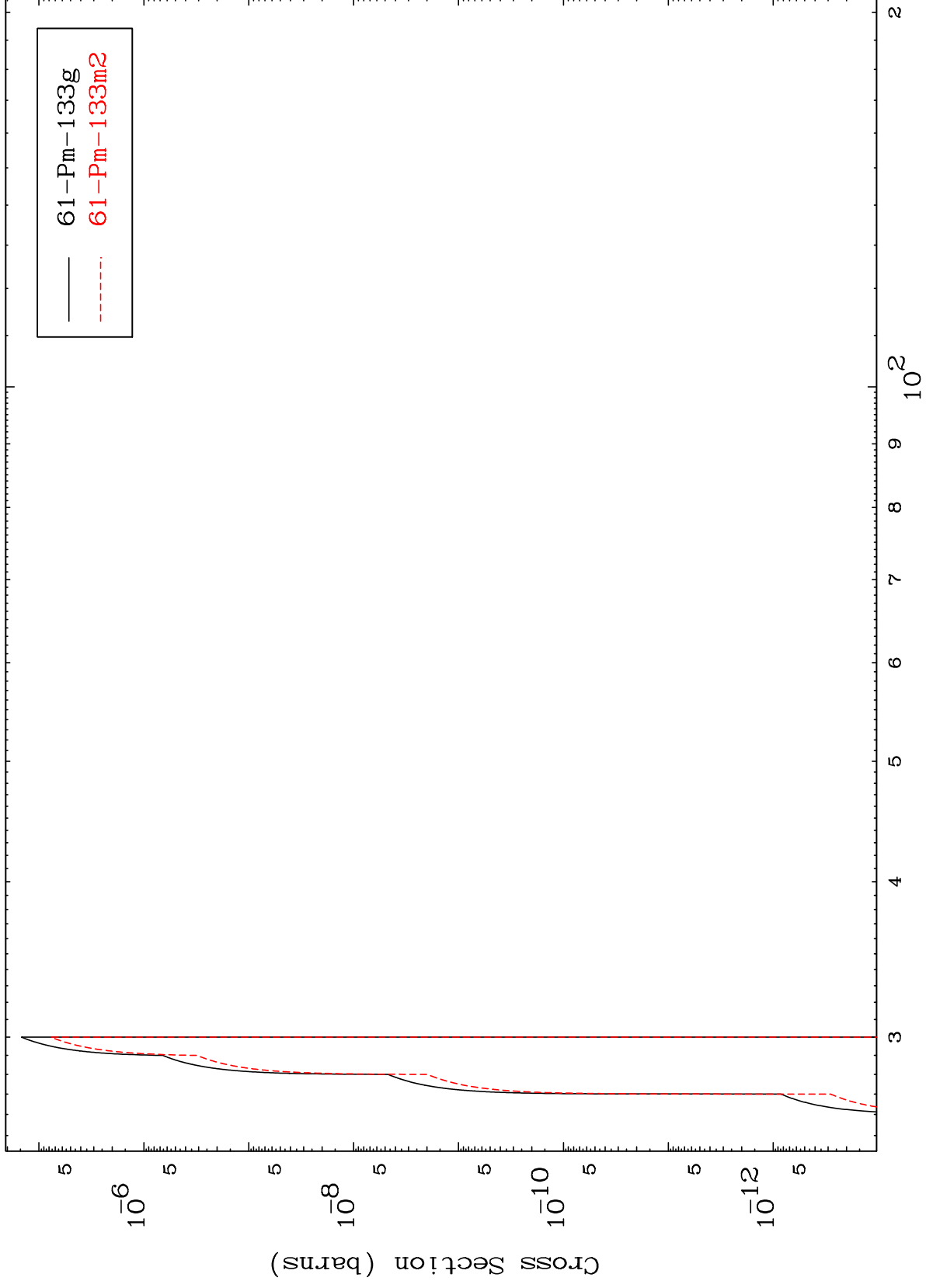
62-Sm-136



(n,2n) p  
Radionuclide Production Cross Section



Radionuclide Production Cross Section

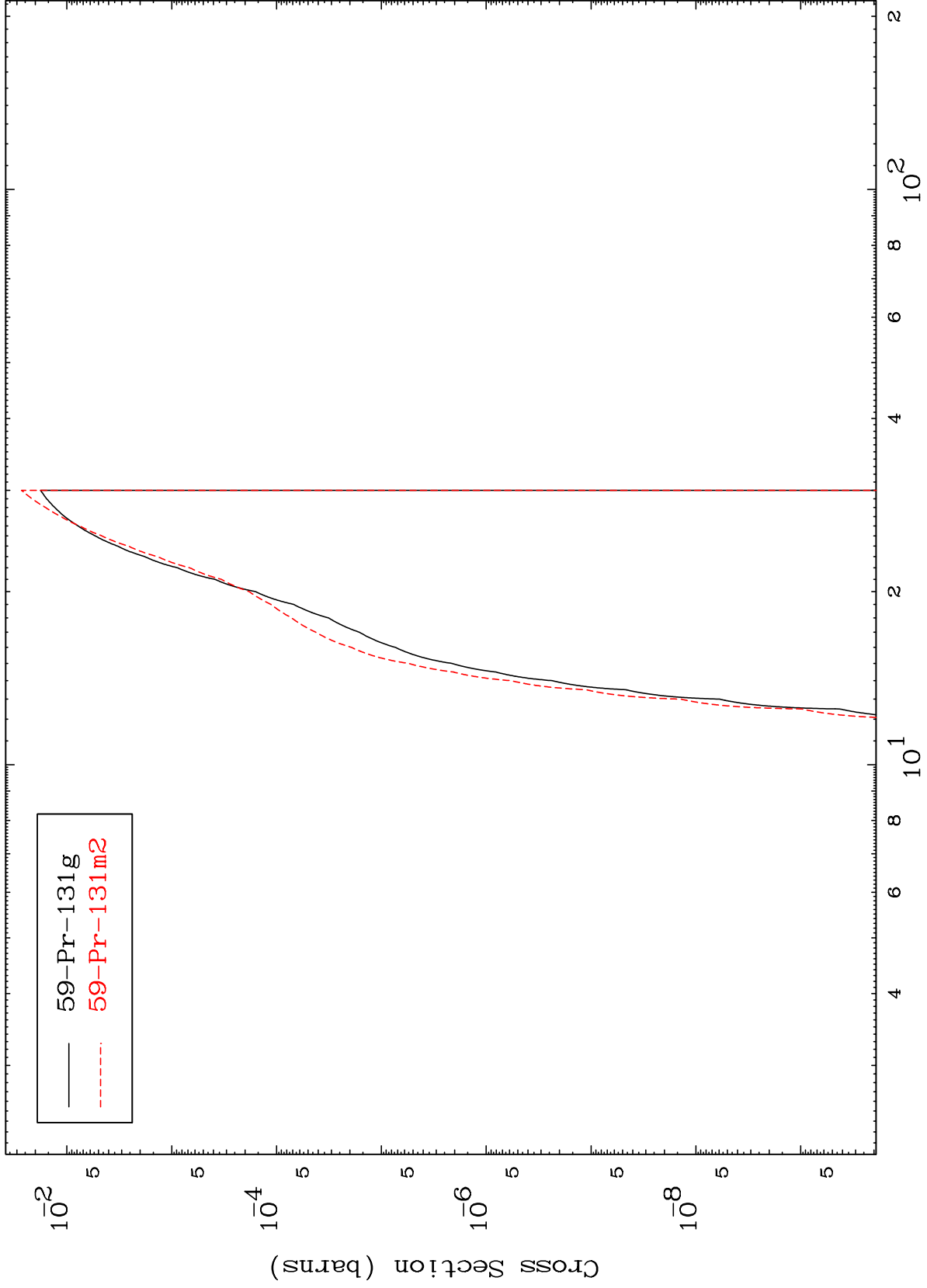


MAT 6201

(n,n') p α

62-Sm-136

Radionuclide Production Cross Section

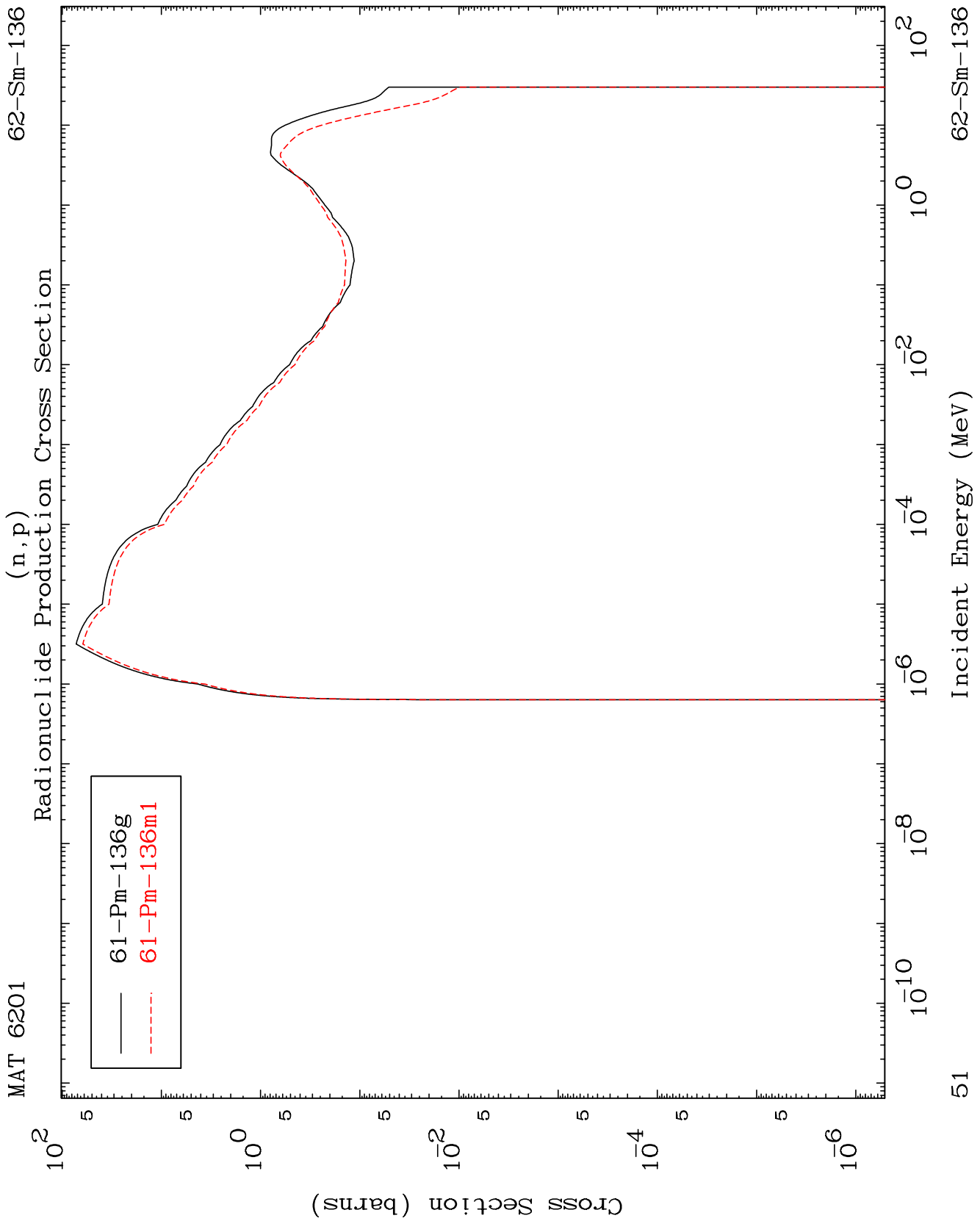


— 59-Pr-131g  
- - - 59-Pr-131m2

50

Incident Energy (MeV)

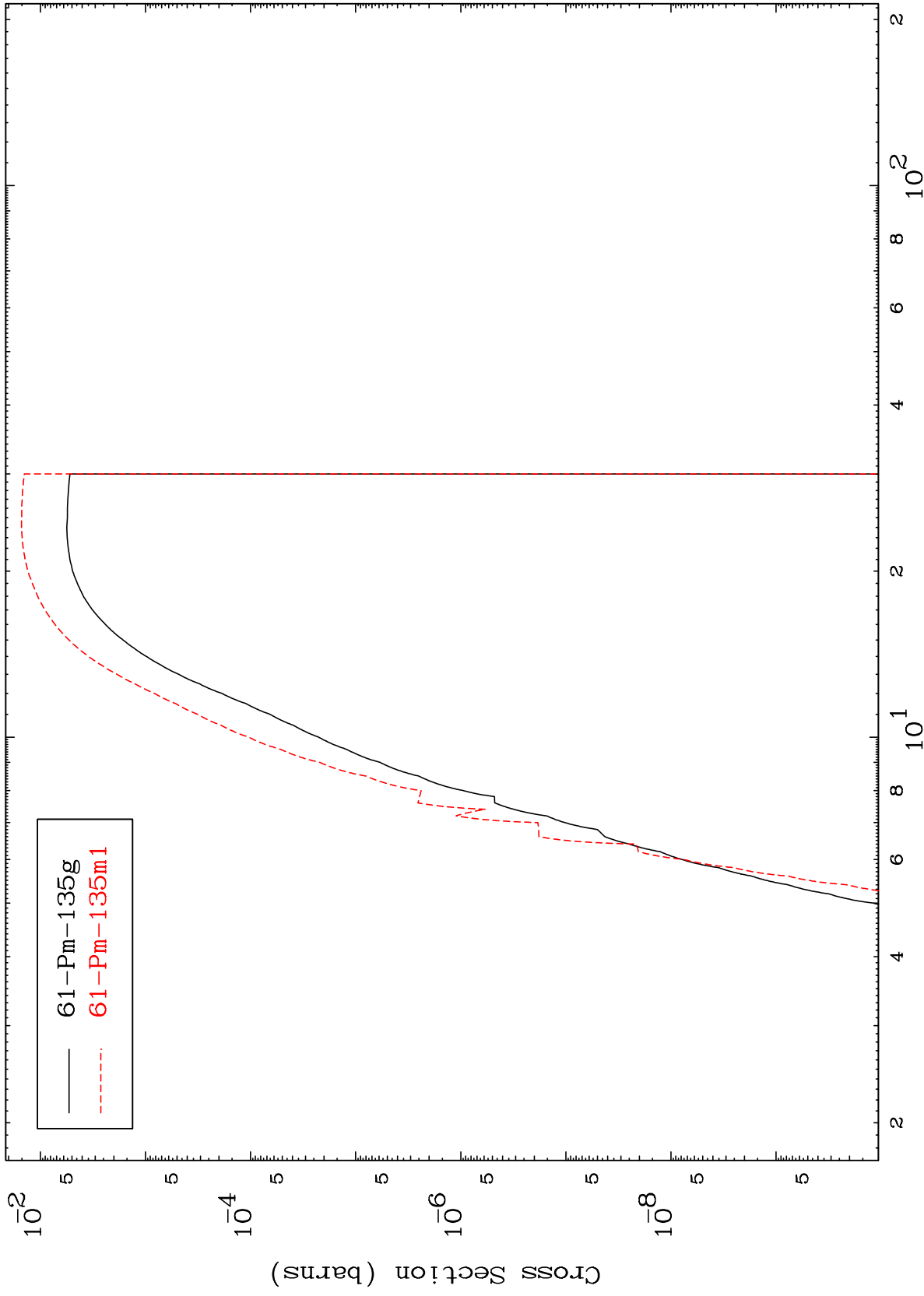
62-Sm-136



MAT 6201

62-Sm-136

(n,d)  
Radionuclide Production Cross Section



52

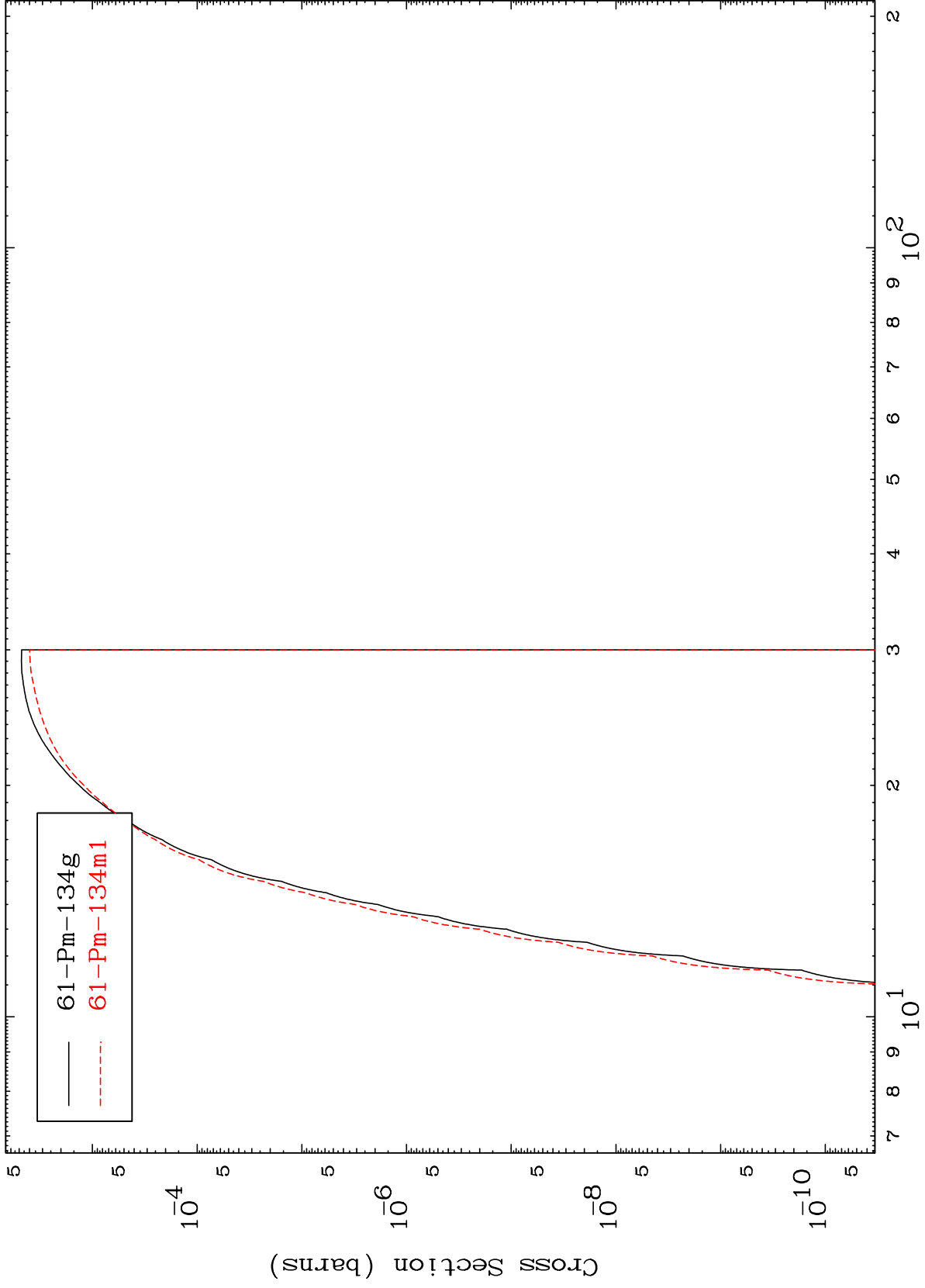
Incident Energy (MeV)

62-Sm-136

MAT 6201

62-Sm-136

(n,t)  
Radionuclide Production Cross Section



53

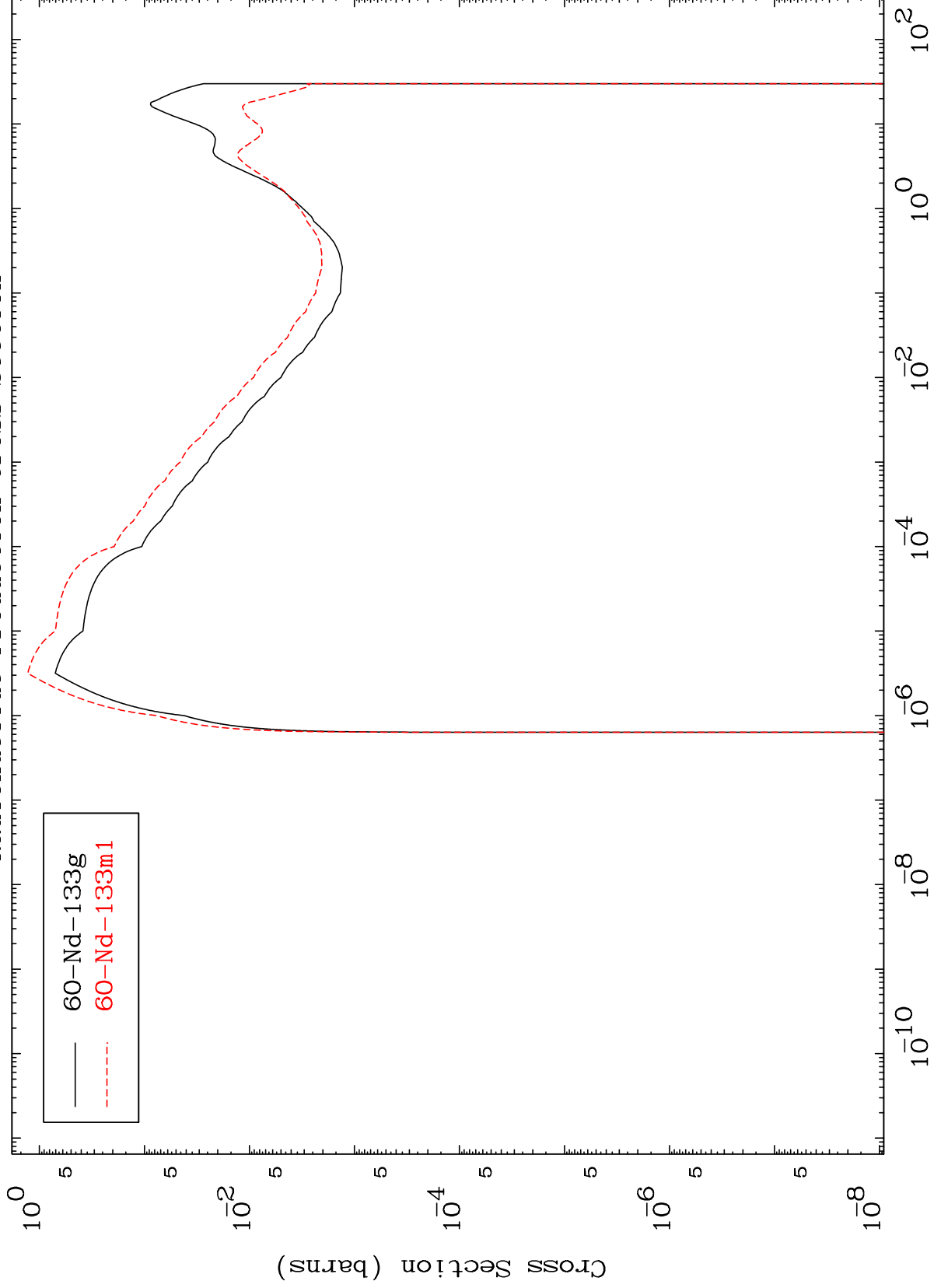
Incident Energy (MeV)

62-Sm-136

MAT 6201

62-Sm-136

Radionuclide Production Cross Section



Incident Energy (MeV)

62-Sm-136

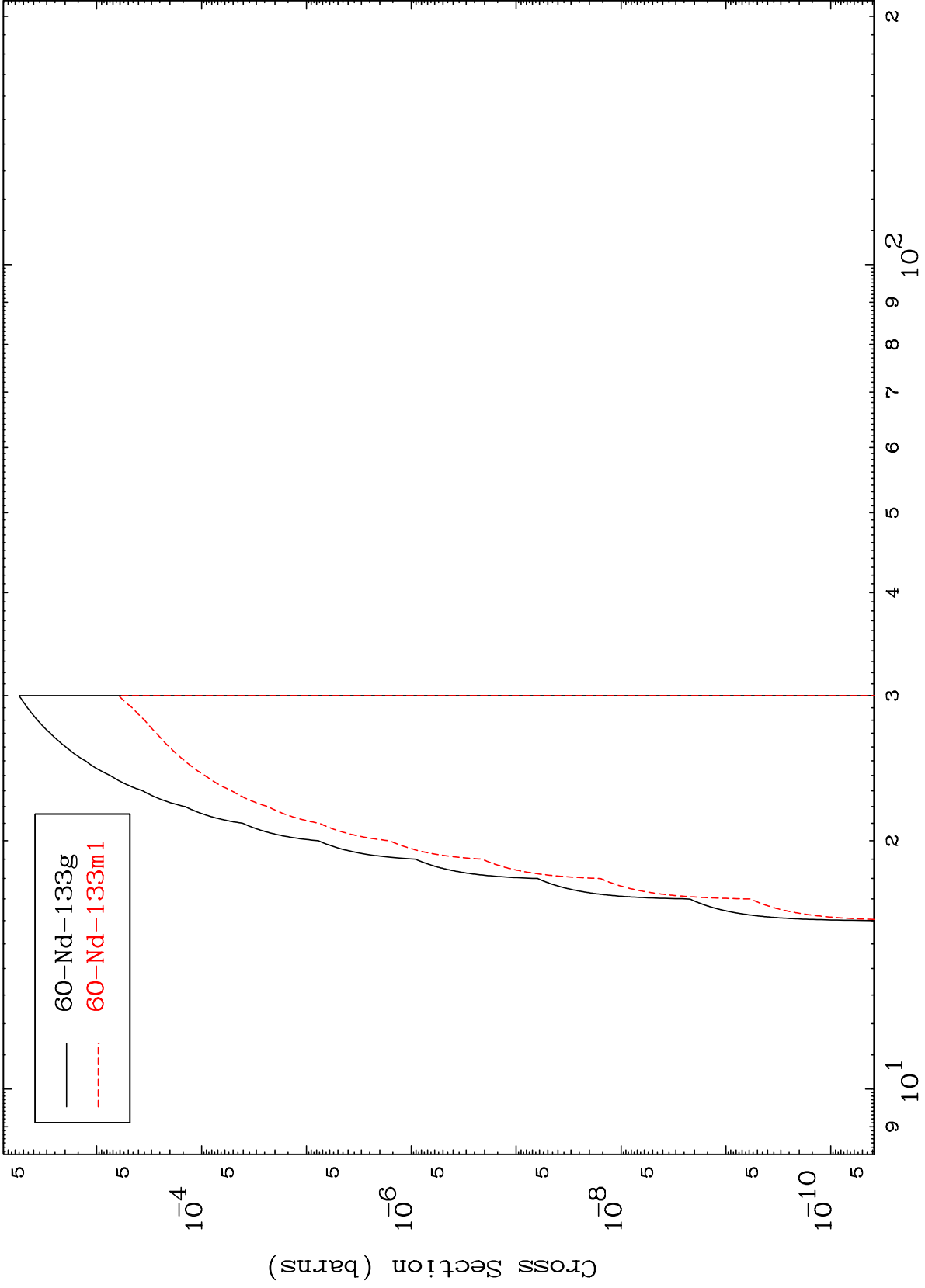
54

MAT 6201

(n,p) t

62-Sm-136

Radionuclide Production Cross Section



55

Incident Energy (MeV)

62-Sm-136

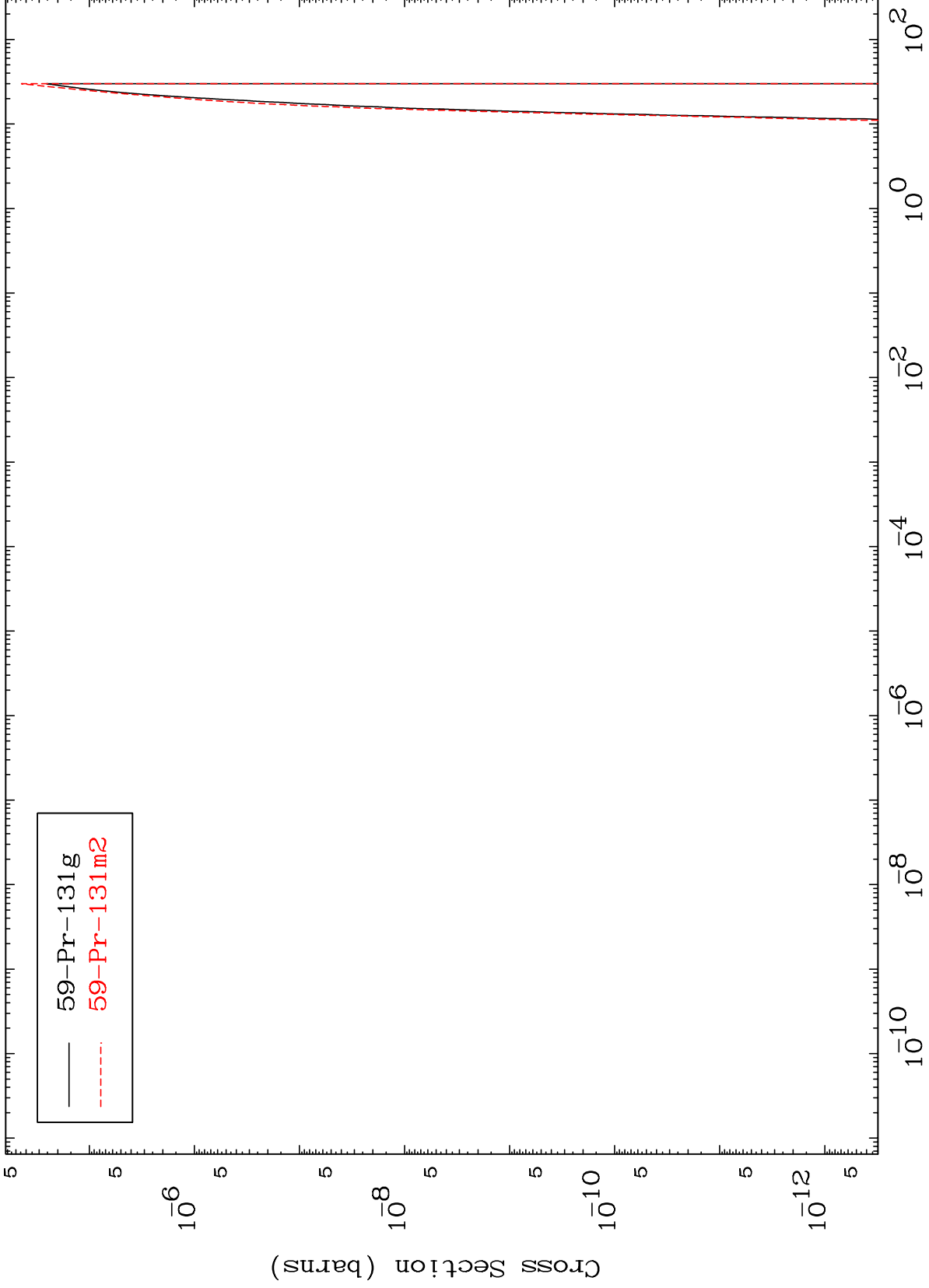


MAT 6201

(n,d)  $\alpha$

62-Sm-136

Radionuclide Production Cross Section



59-Pr-131g  
59-Pr-131m2

56

Incident Energy (MeV)

62-Sm-136