

Program EVALPLOT  
(Version 2015-2)

by

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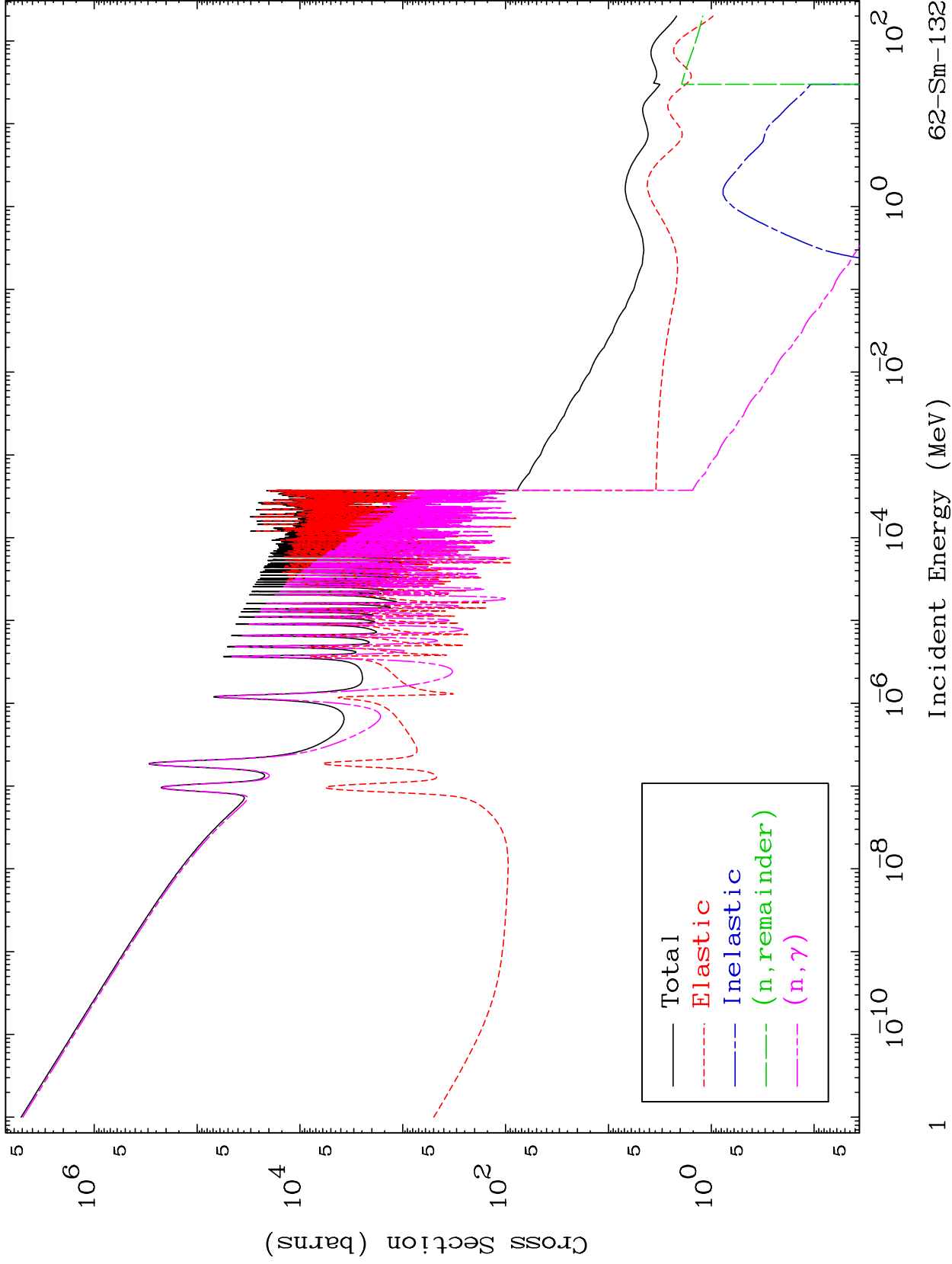
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 6189

Major  
293 Kelvin Cross Sections

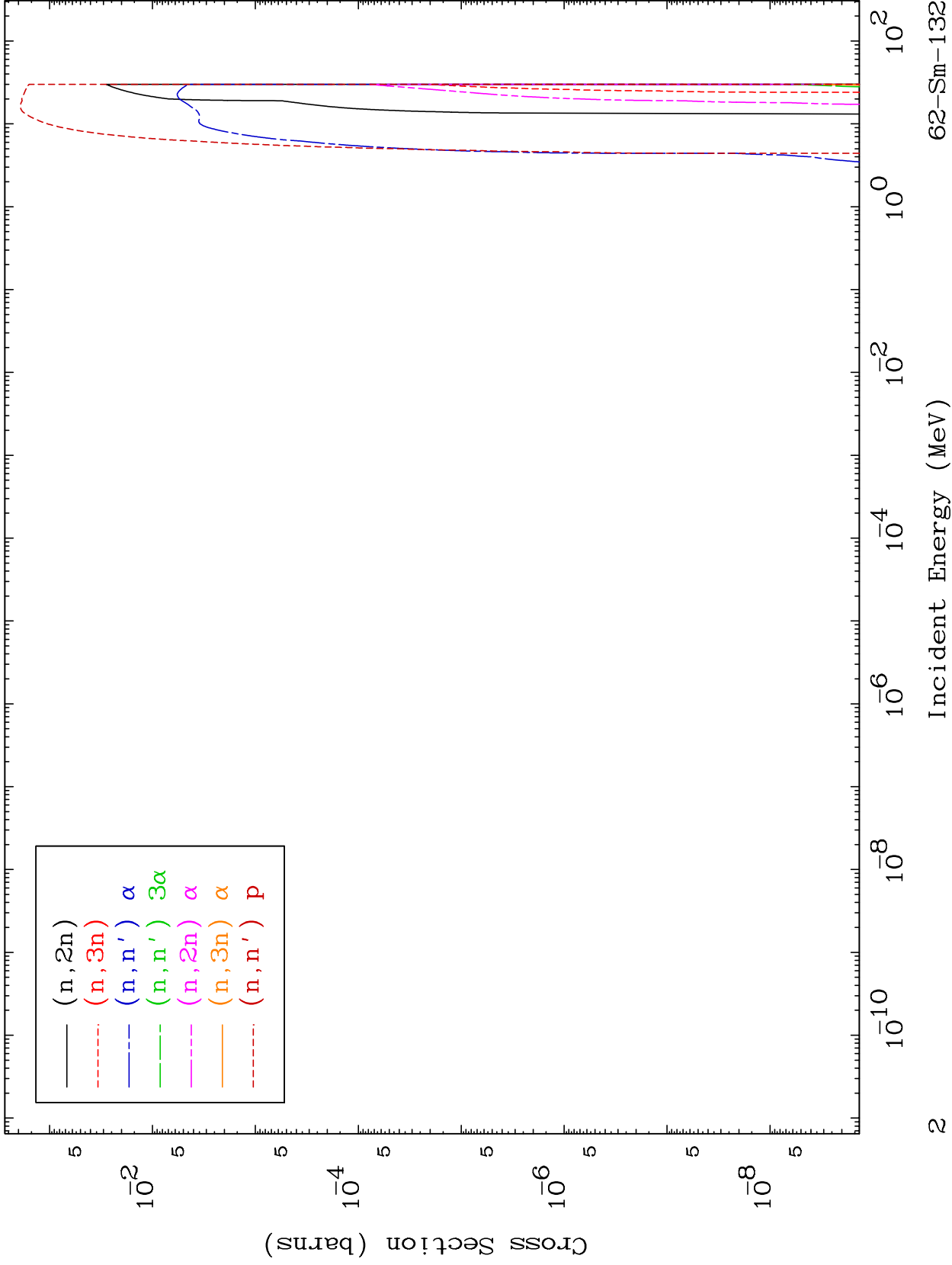
62-Sm-132



MAT 6189

Neutron Production  
293 Kelvin Cross Sections

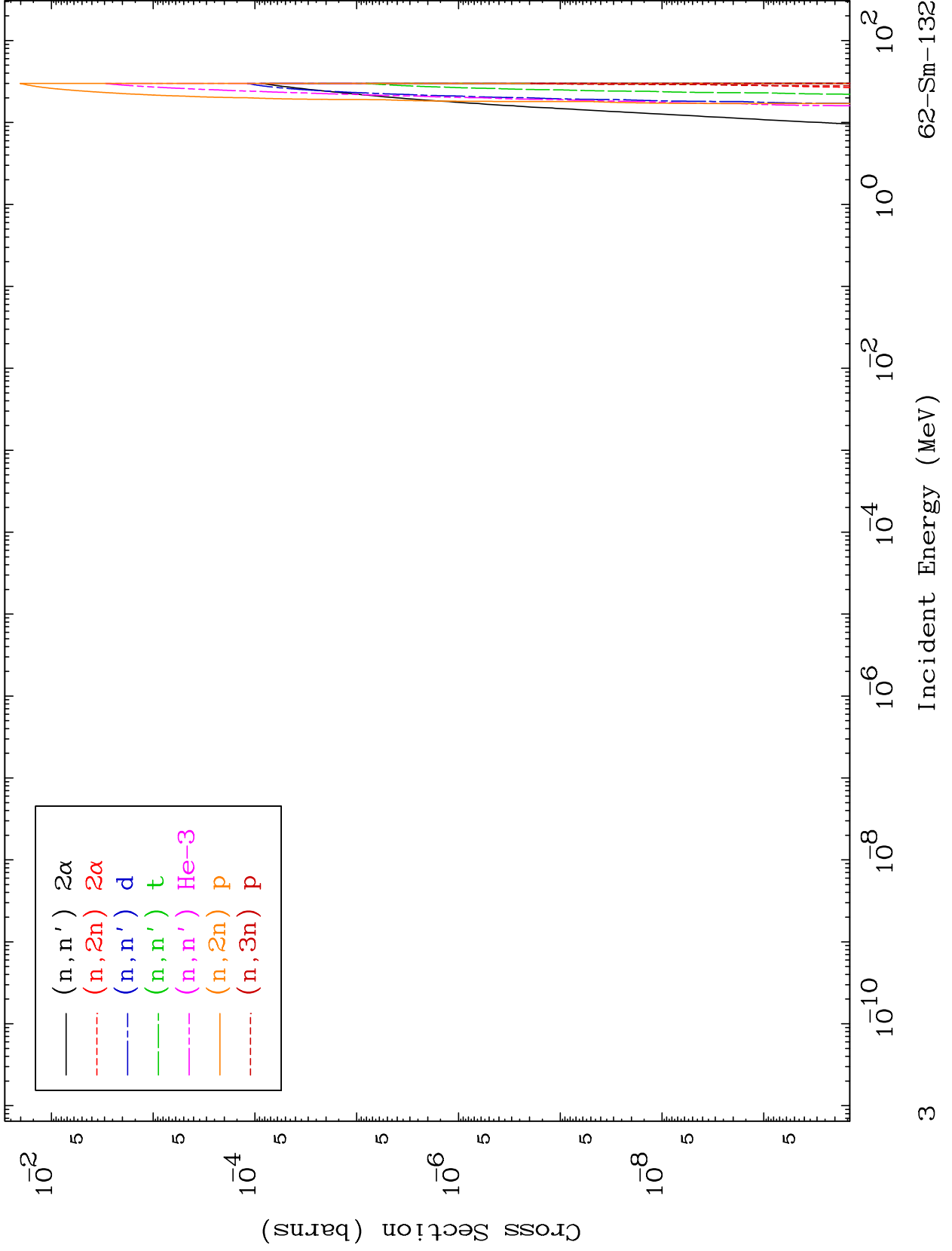
62-Sm-132



MAT 6189

Neutron Production  
293 Kelvin Cross Sections

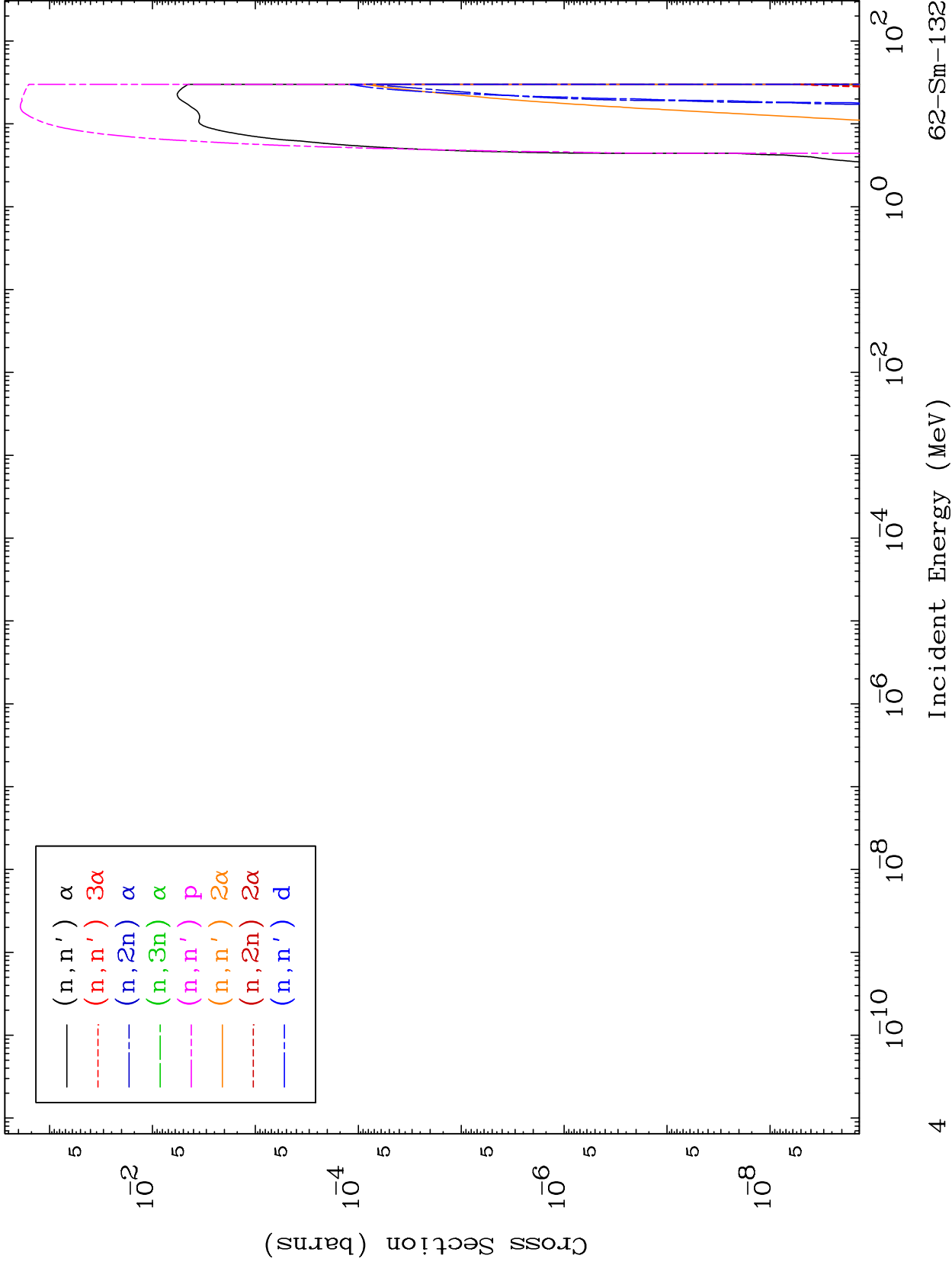
62-Sm-132

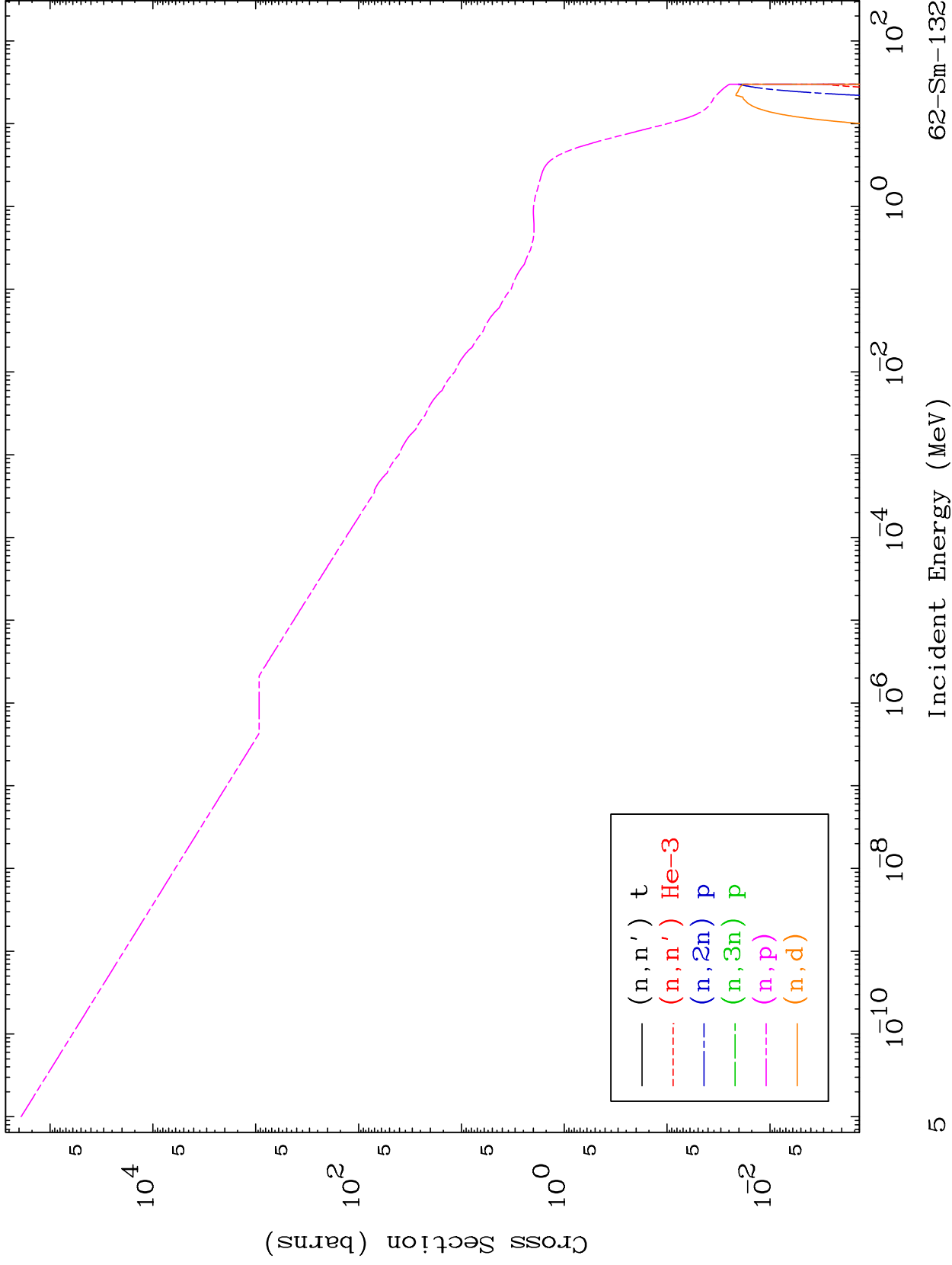


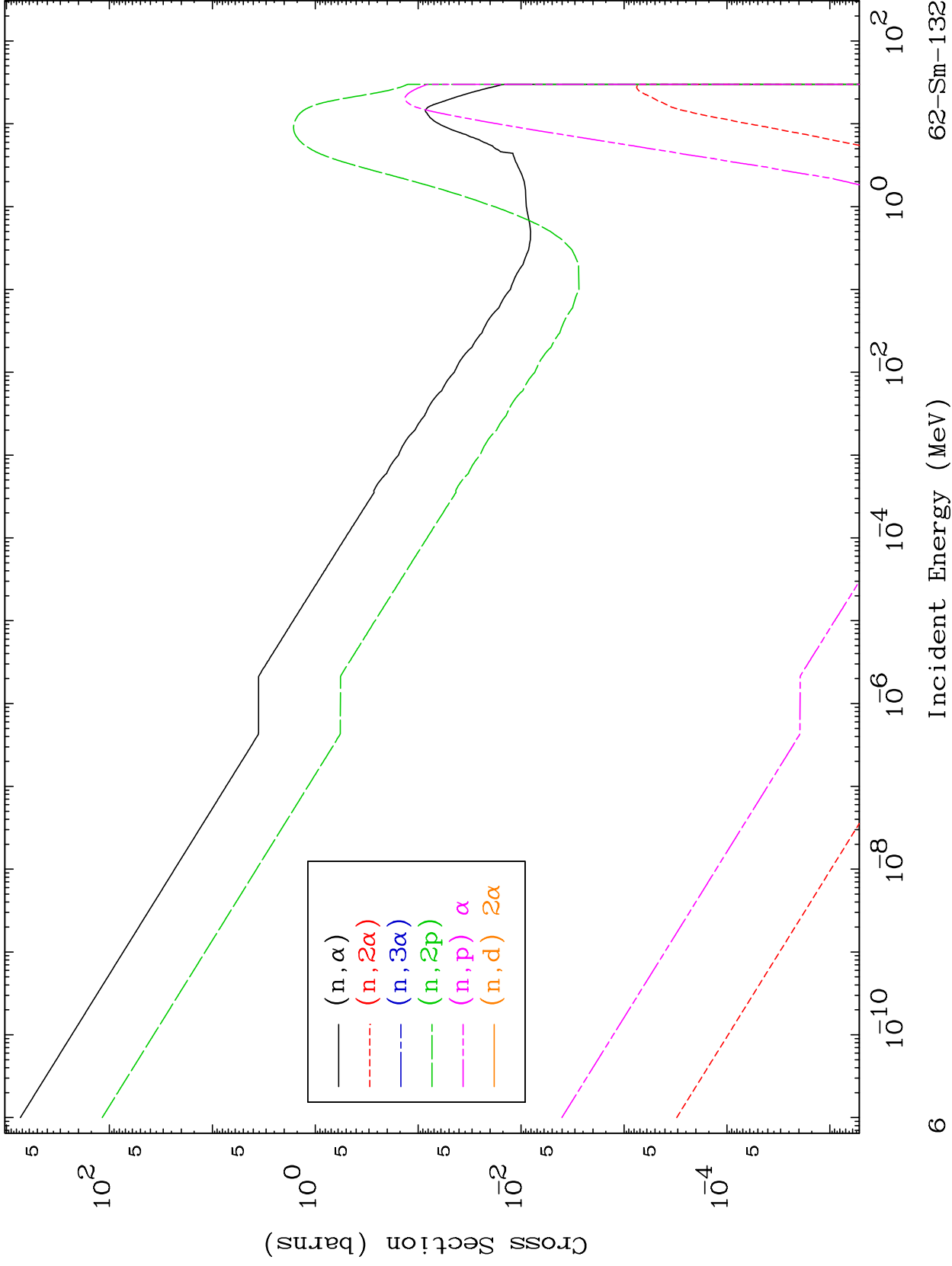
MAT 6189

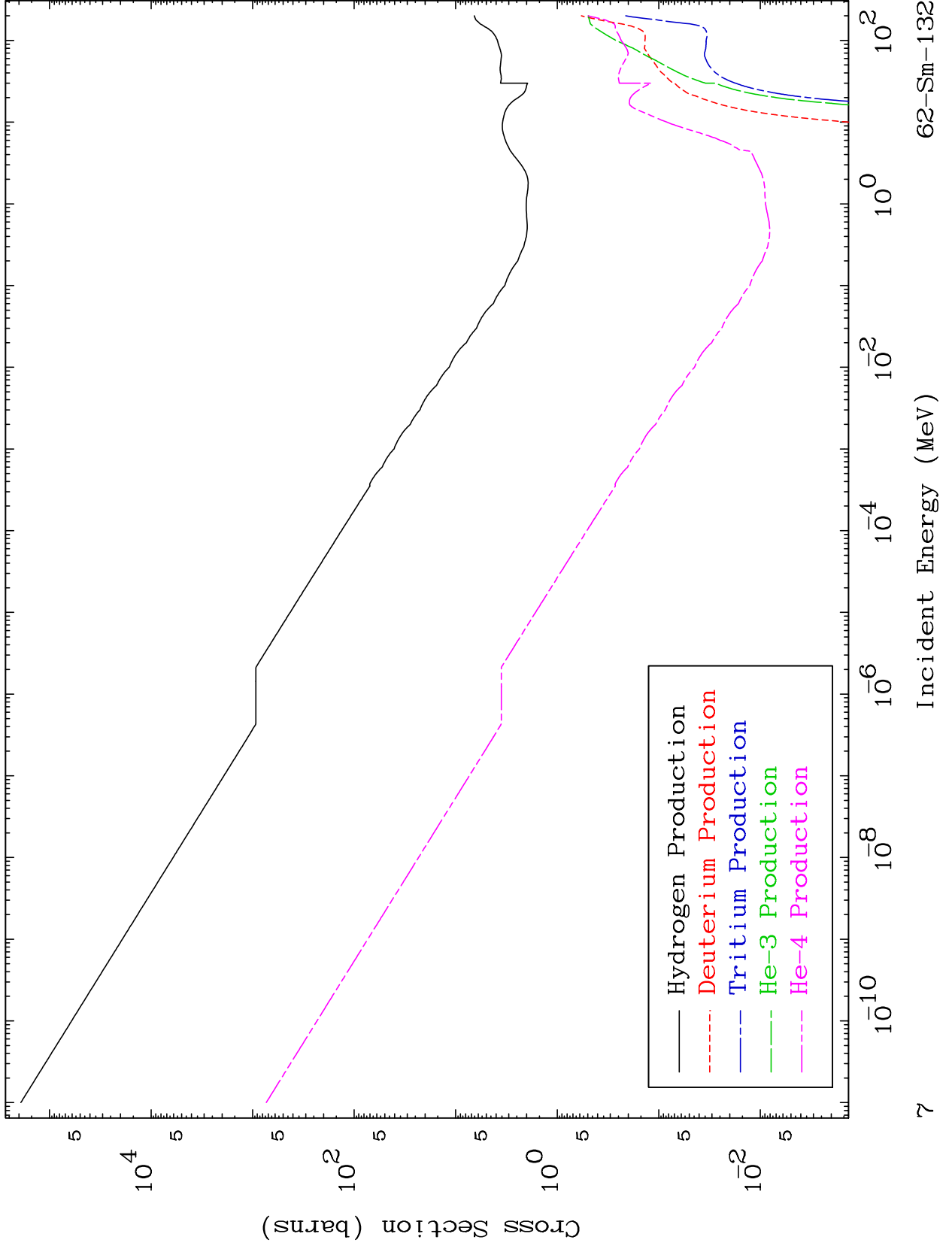
Charged Particle  
293 Kelvin Cross Sections

62-Sm-132

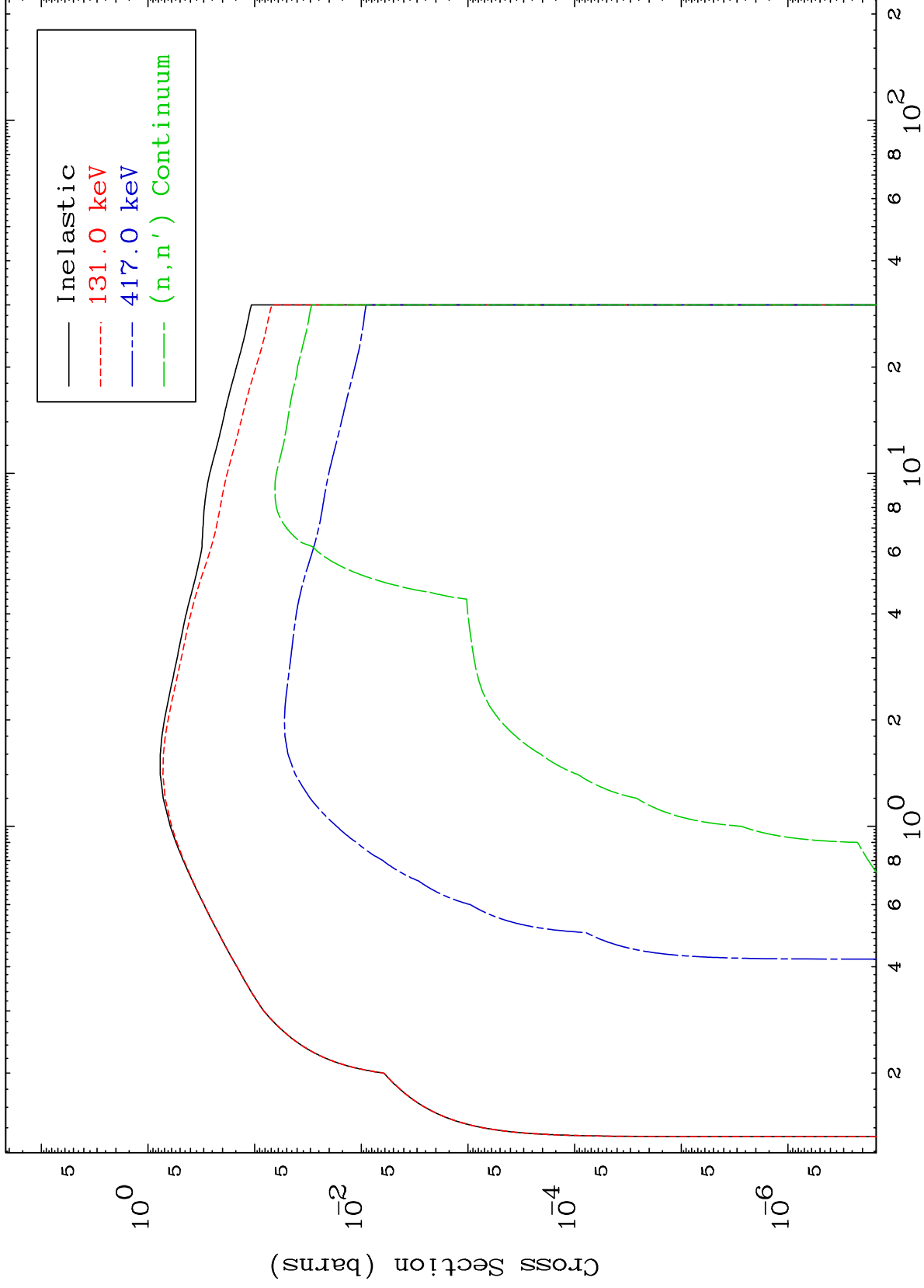








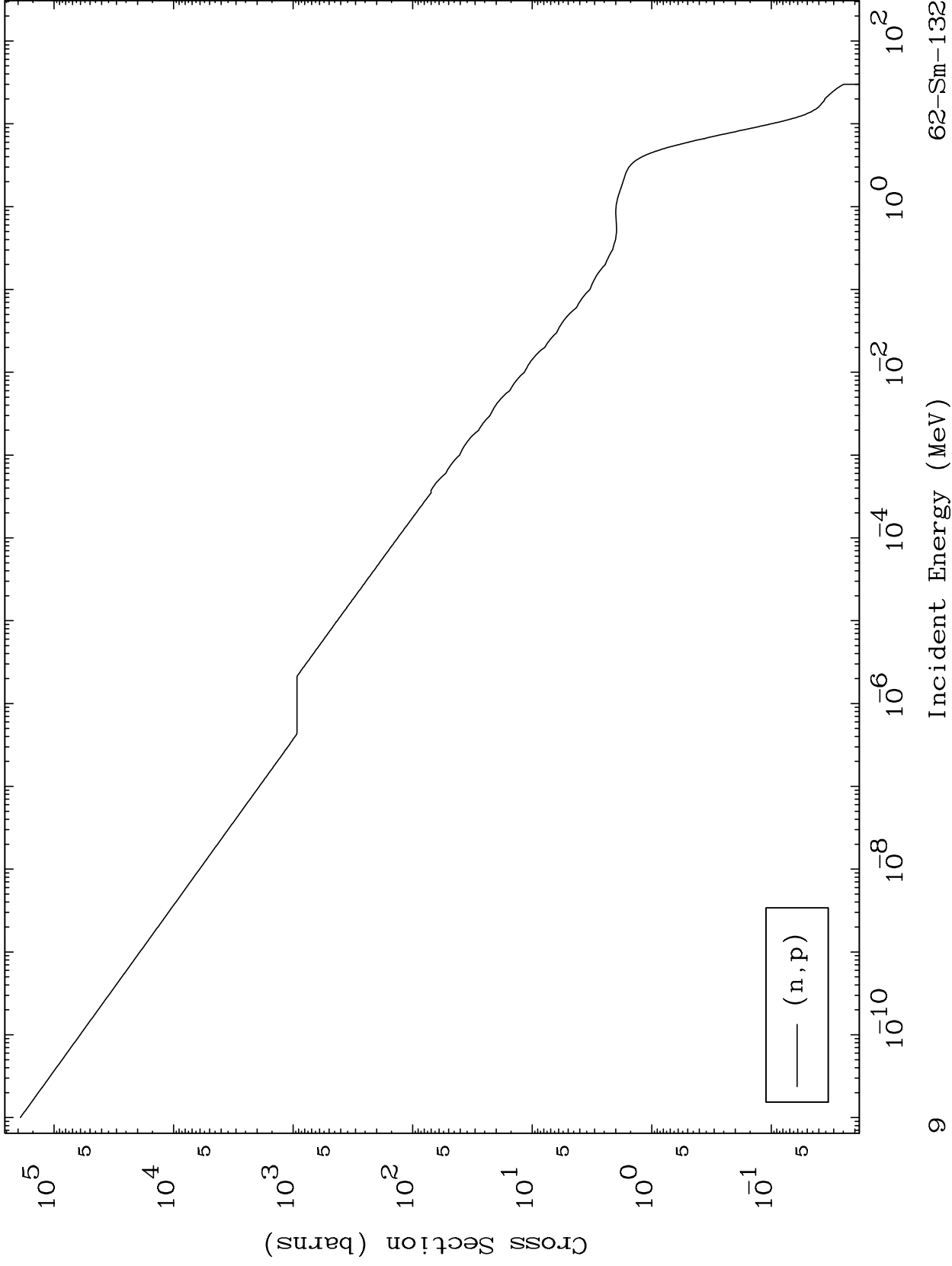




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(n,p) Levels  
293 Kelvin Cross Sections

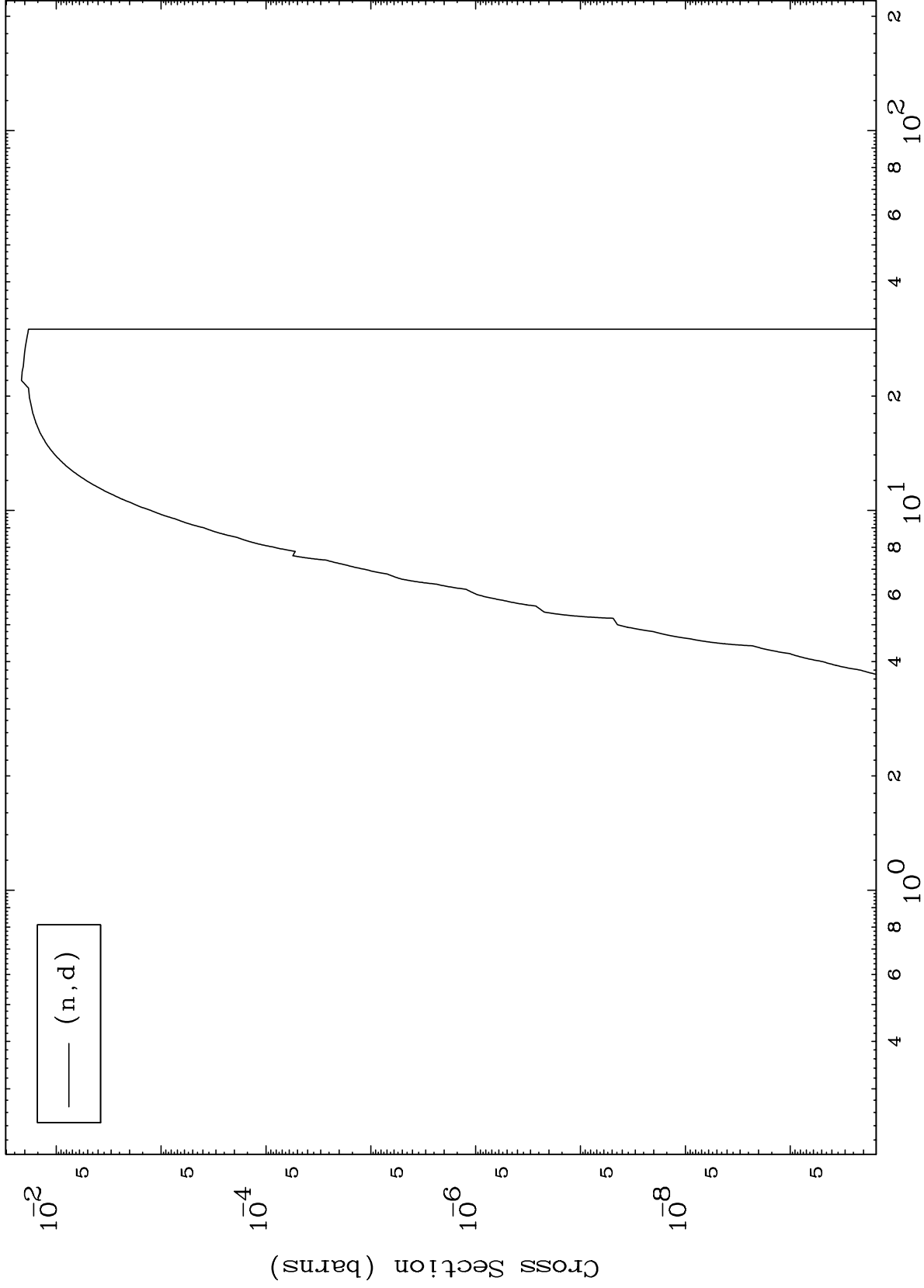
62-Sm-132



MAT 6189

(n,d) Levels  
293 Kelvin Cross Sections

62-Sm-132



10

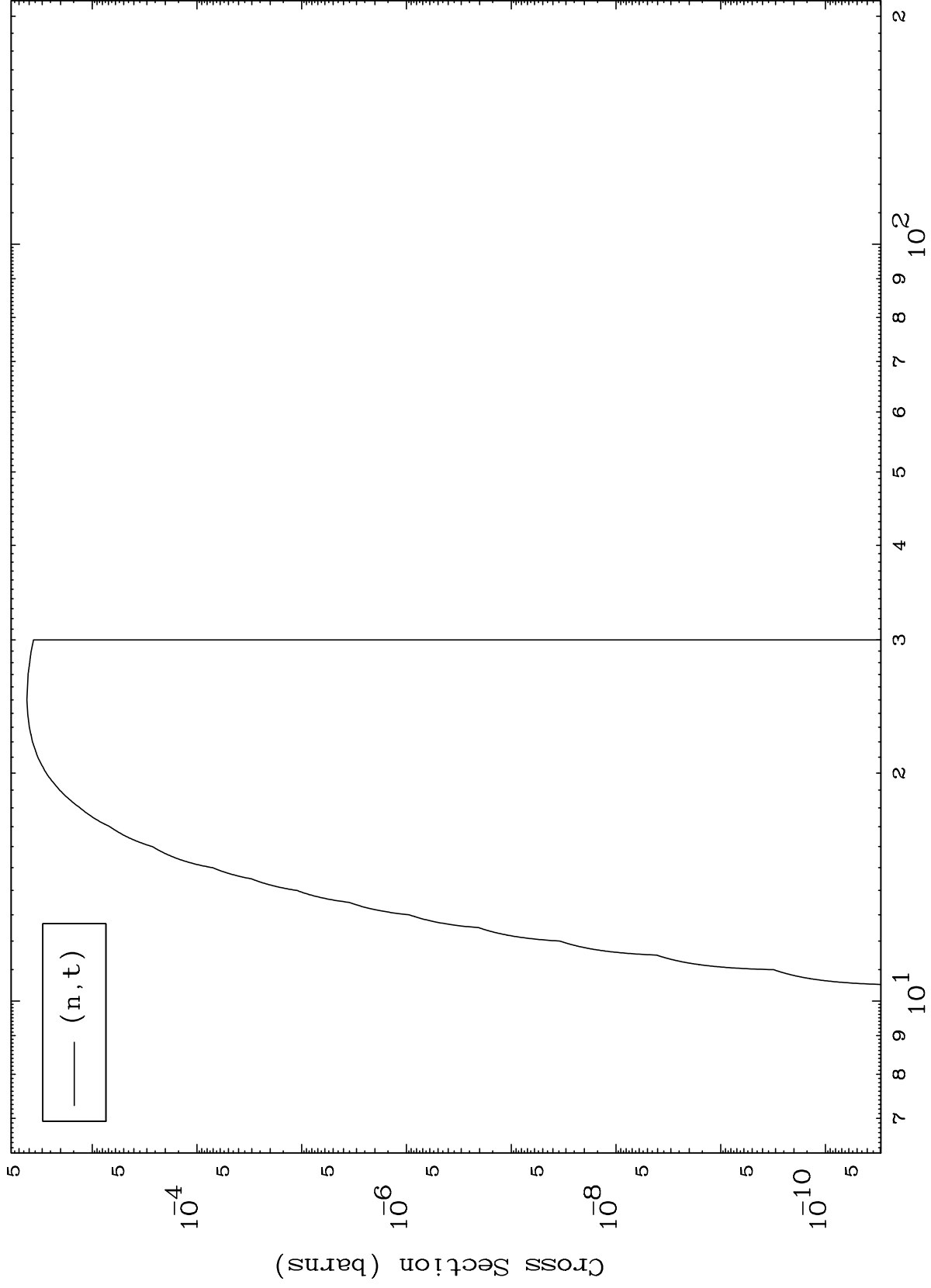
Incident Energy (MeV)

62-Sm-132

MAT 6189

(n,t) Levels  
293 Kelvin Cross Sections

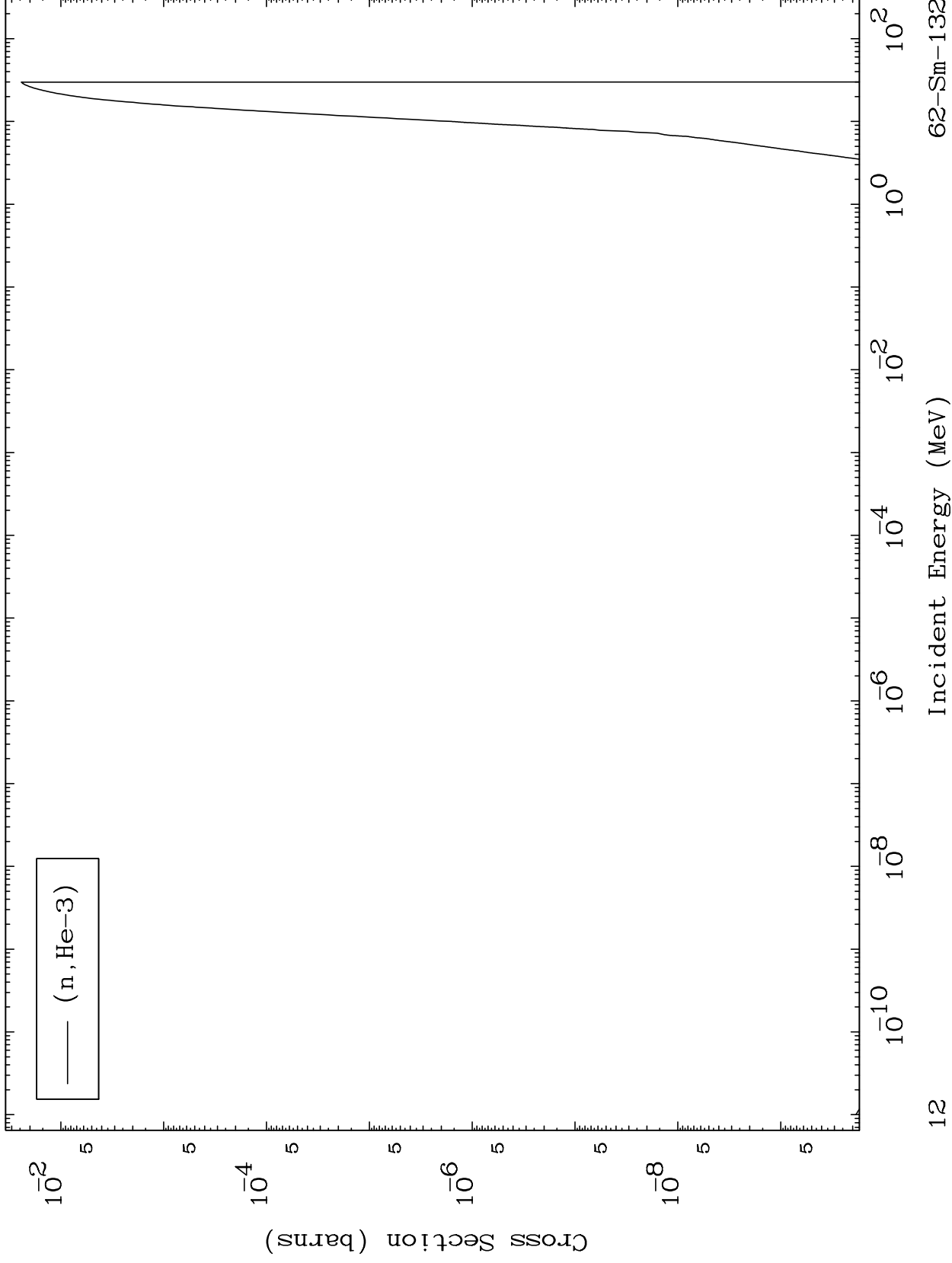
62-Sm-132



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(n,He3) Levels  
293 Kelvin Cross Sections

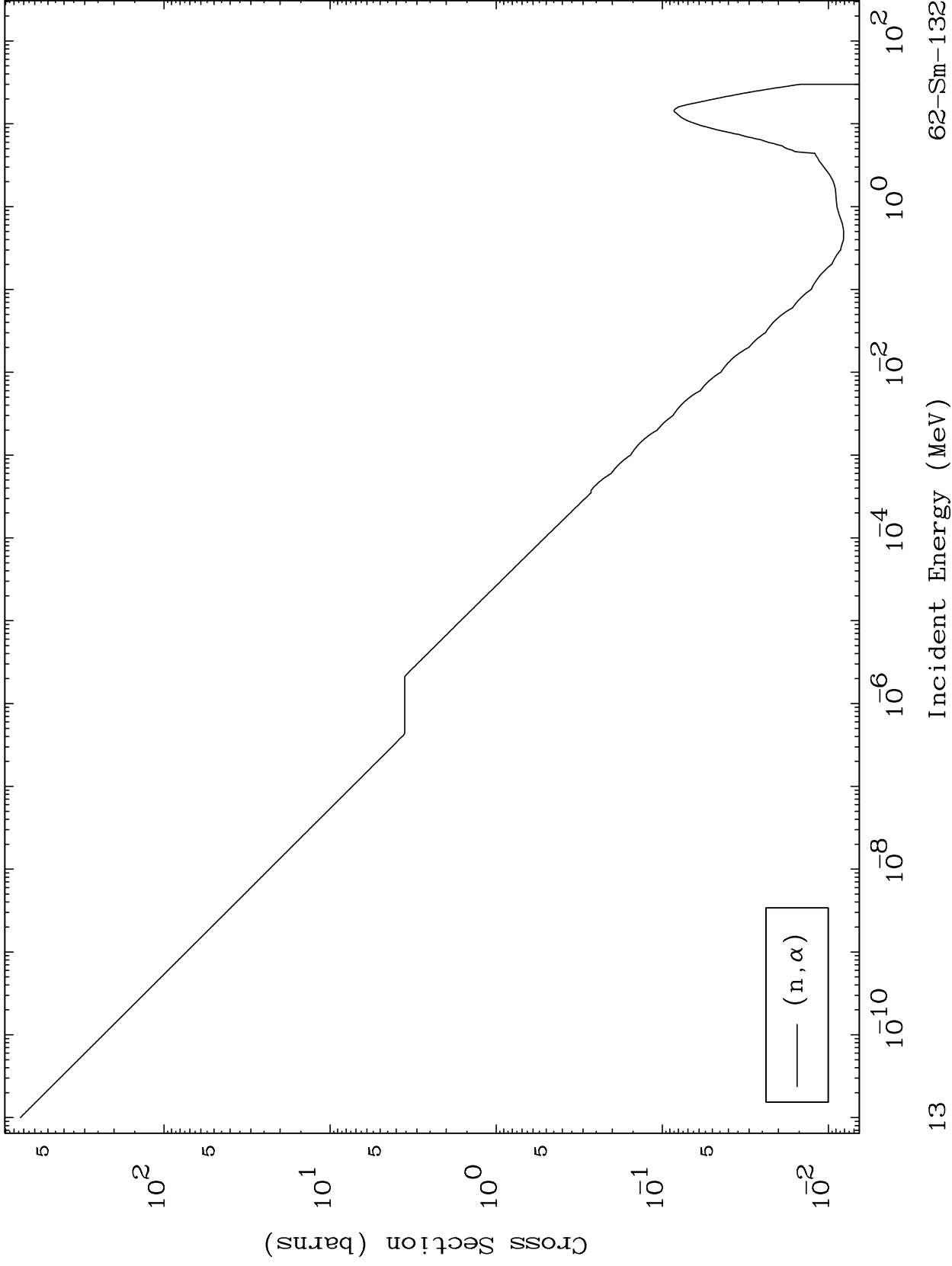
62-Sm-132

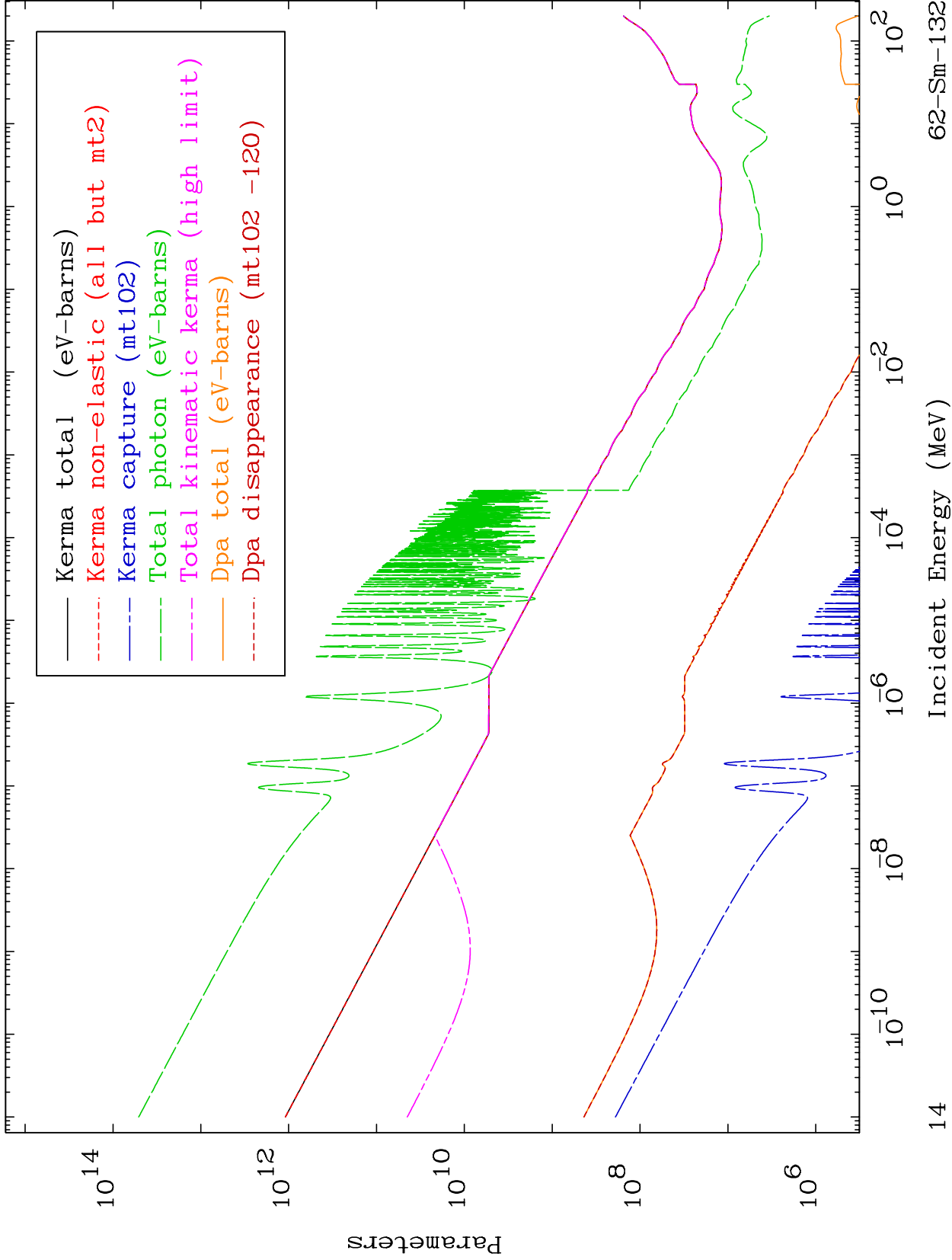


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(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

62-Sm-132

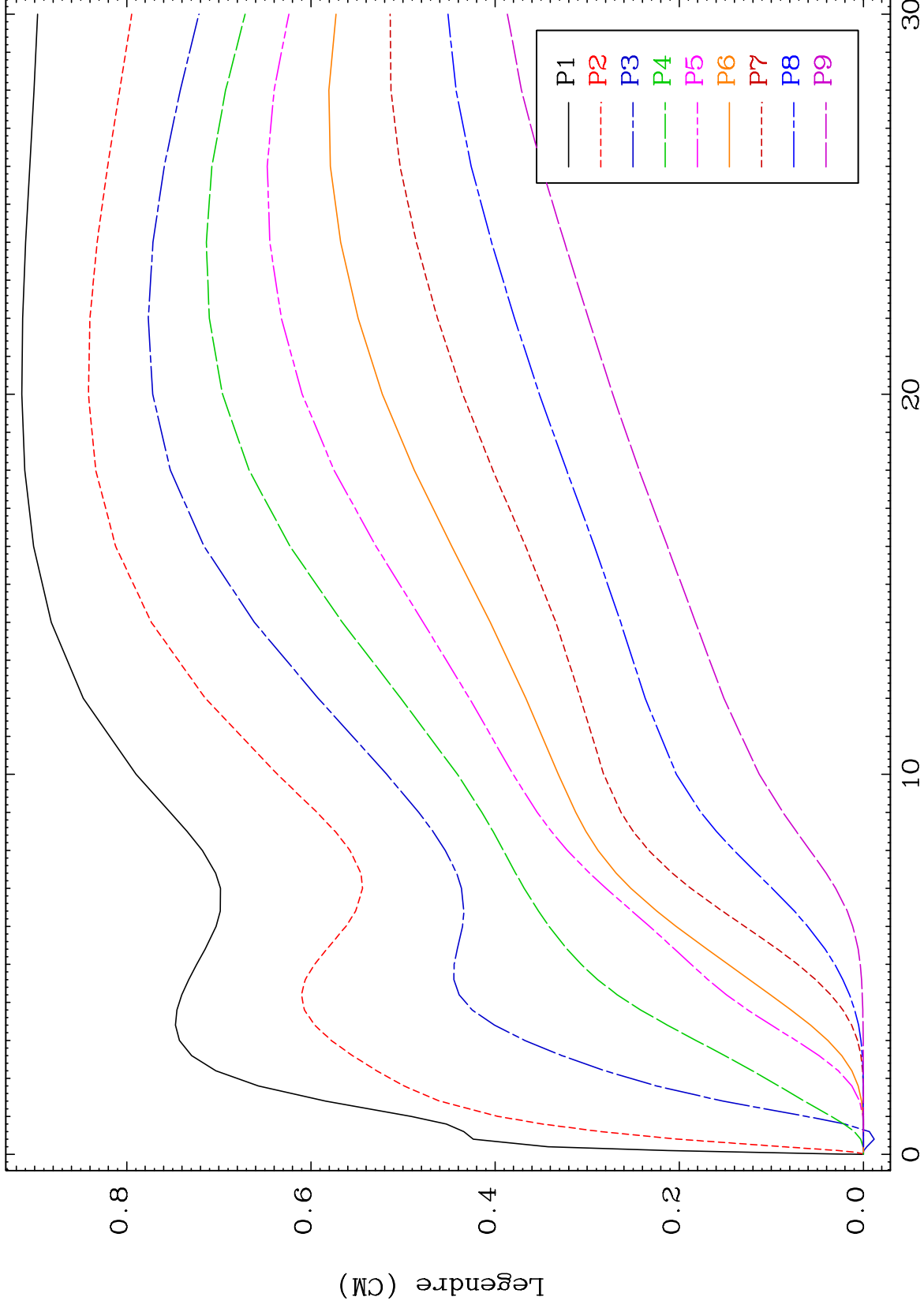




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Elastic Legendre Coefficients

$^{62}\text{Sm}-132$



15

Incident Energy (MeV)

$^{62}\text{Sm}-132$

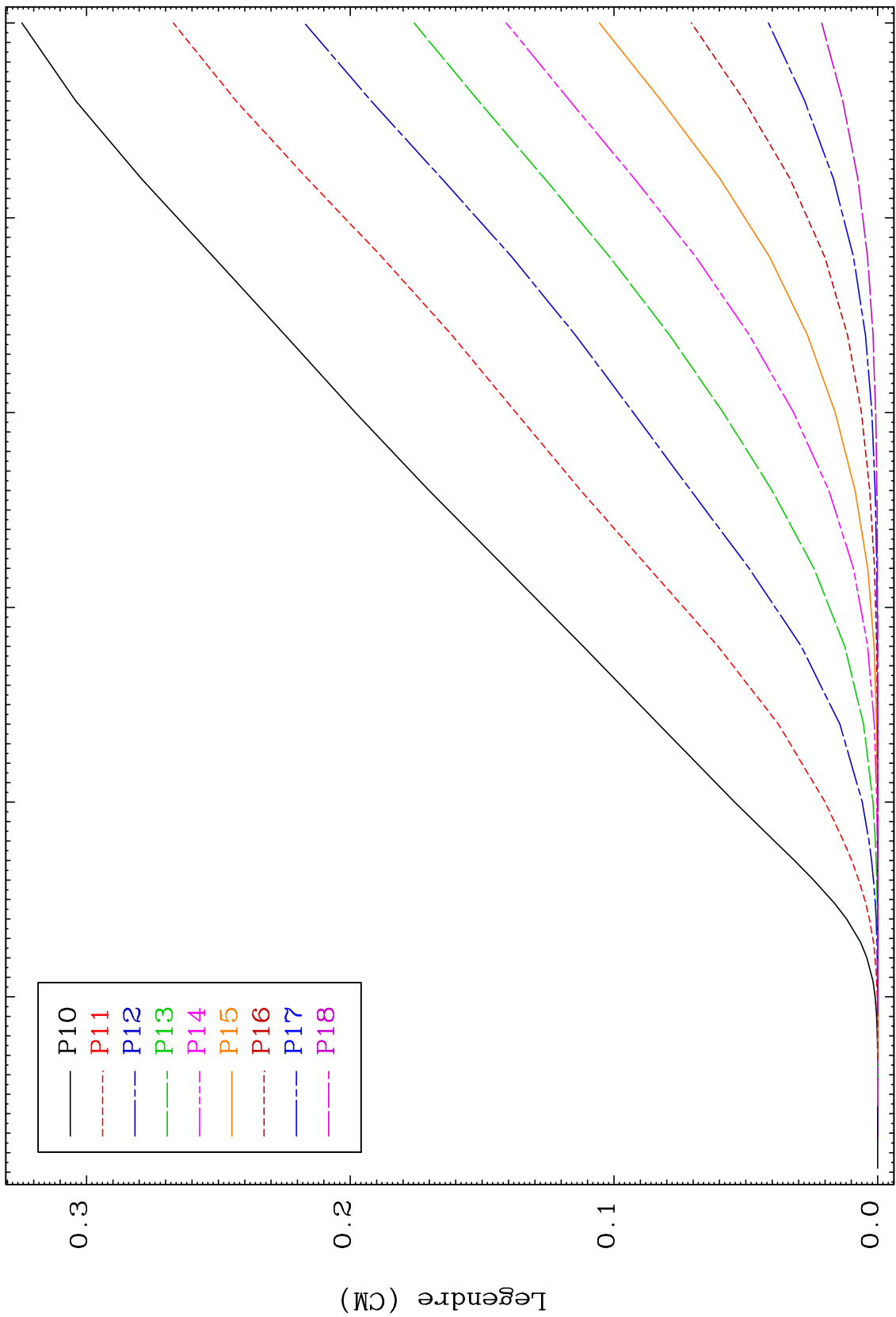
30



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Elastic Legendre Coefficients

62-Sm-132



16

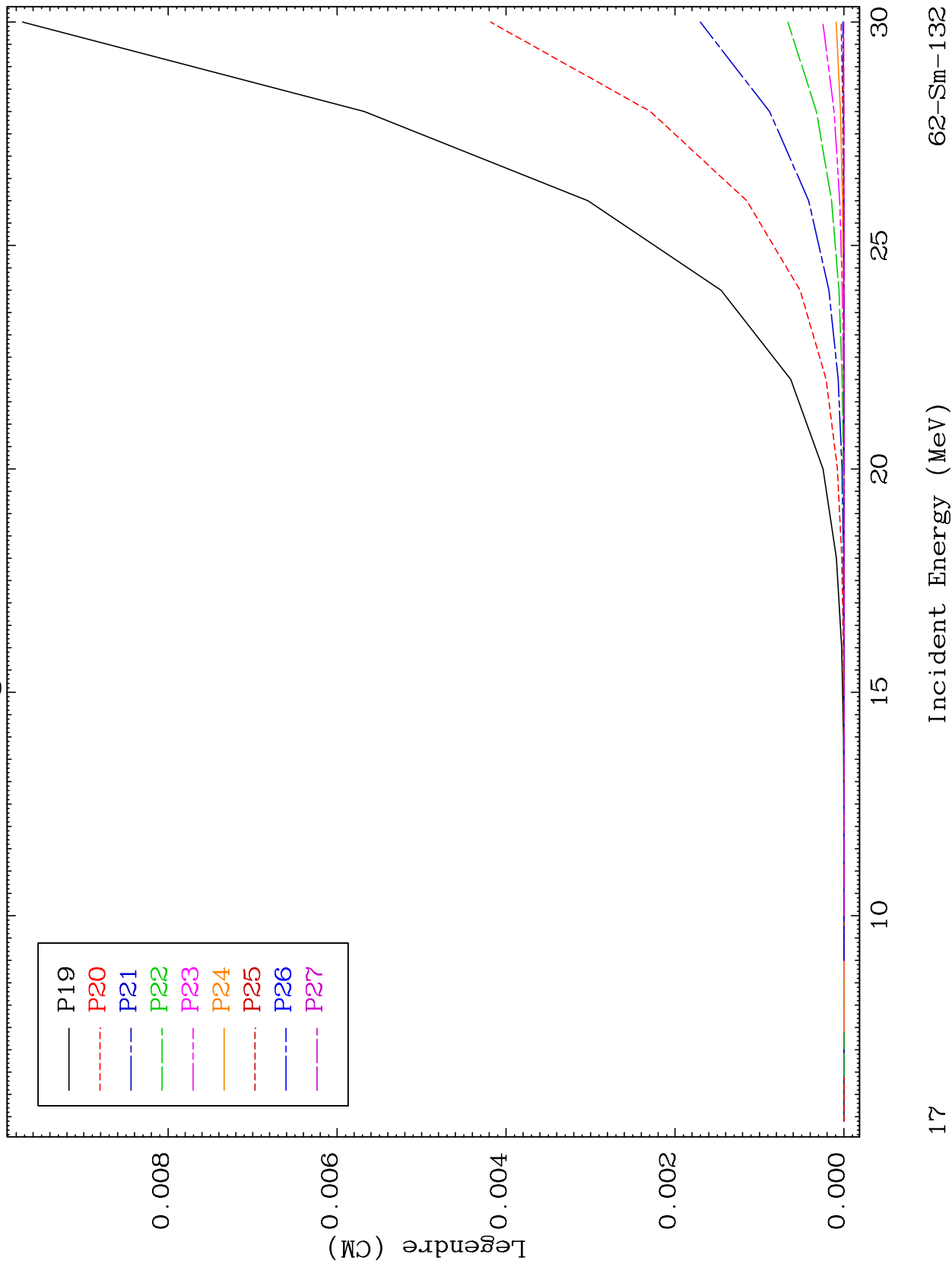
Incident Energy (MeV)

62-Sm-132

MAT 6189

### Elastic Legendre Coefficients

62-Sm-132



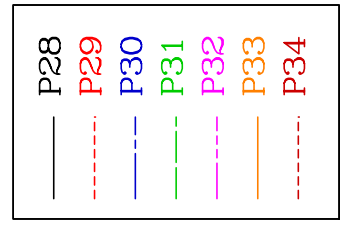
17

62-Sm-132

MAT 6189

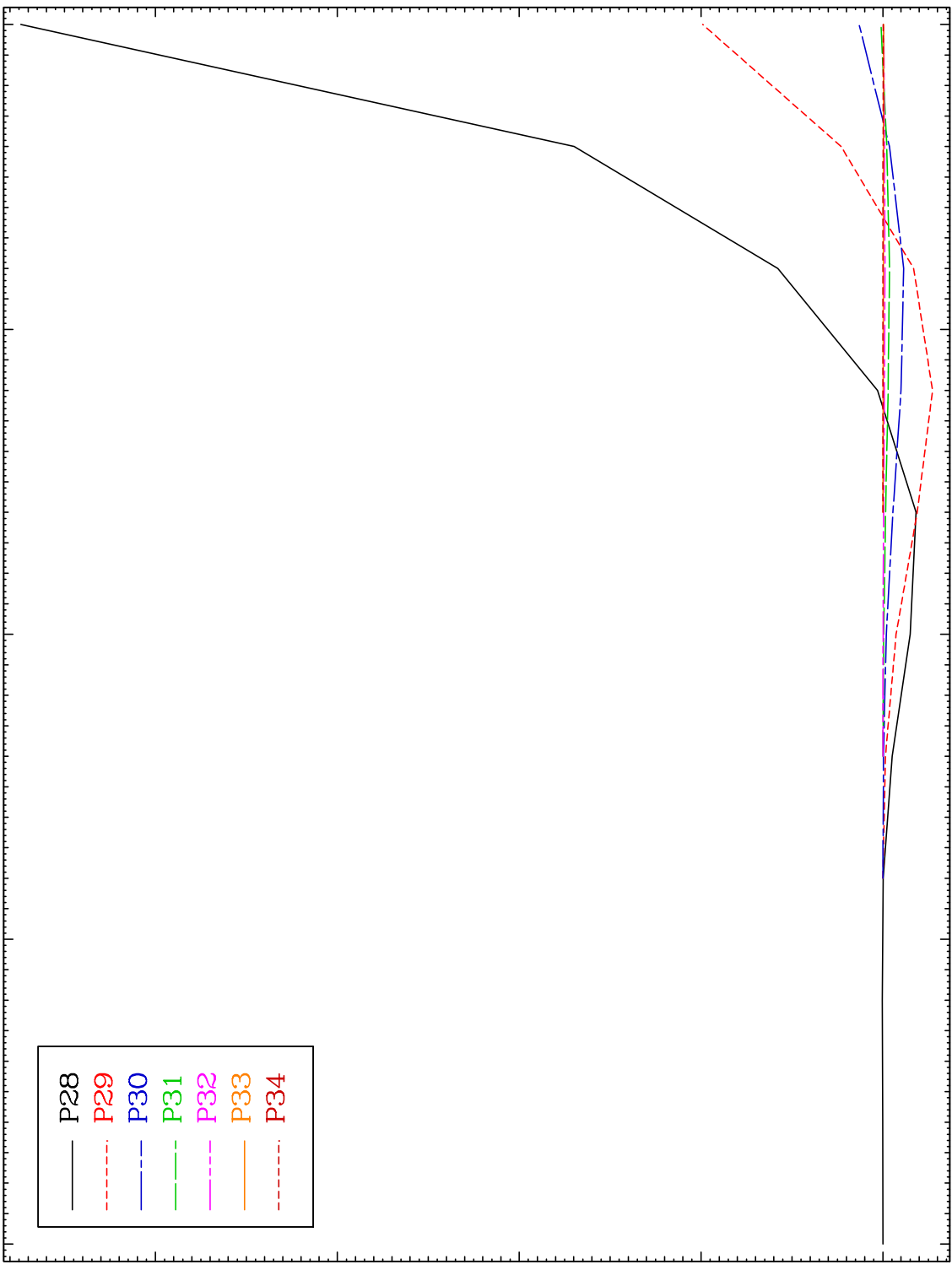
Elastic Legendre Coefficients

<sup>62</sup>Sm-132



$\times 10^{-7}$

Legendre (CM)



10

15

20

25

30

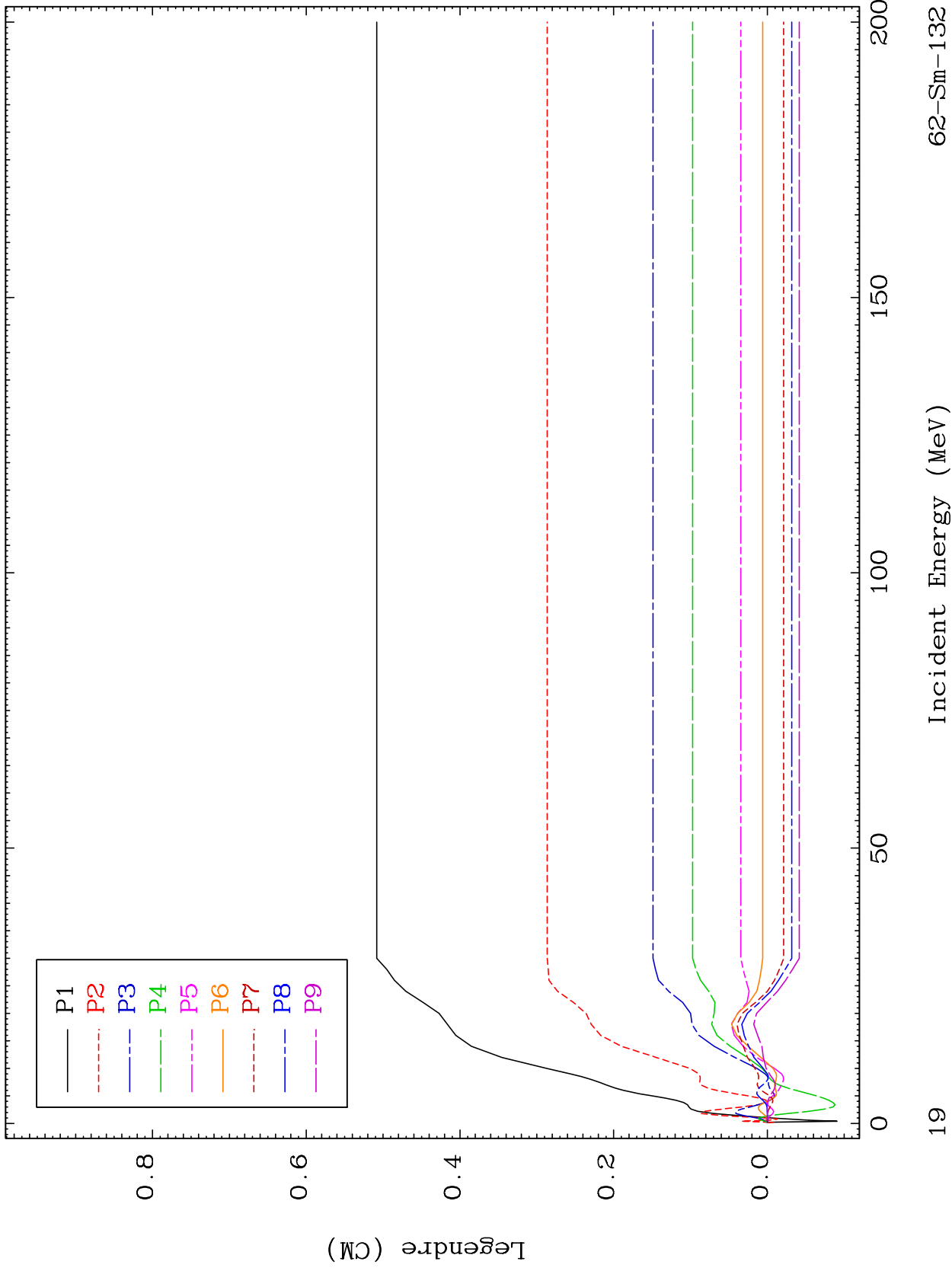
Incident Energy (MeV)

<sup>62</sup>Sm-132

MAT 6189

131.0 keV (n,n') Level  
Legendre Coefficients

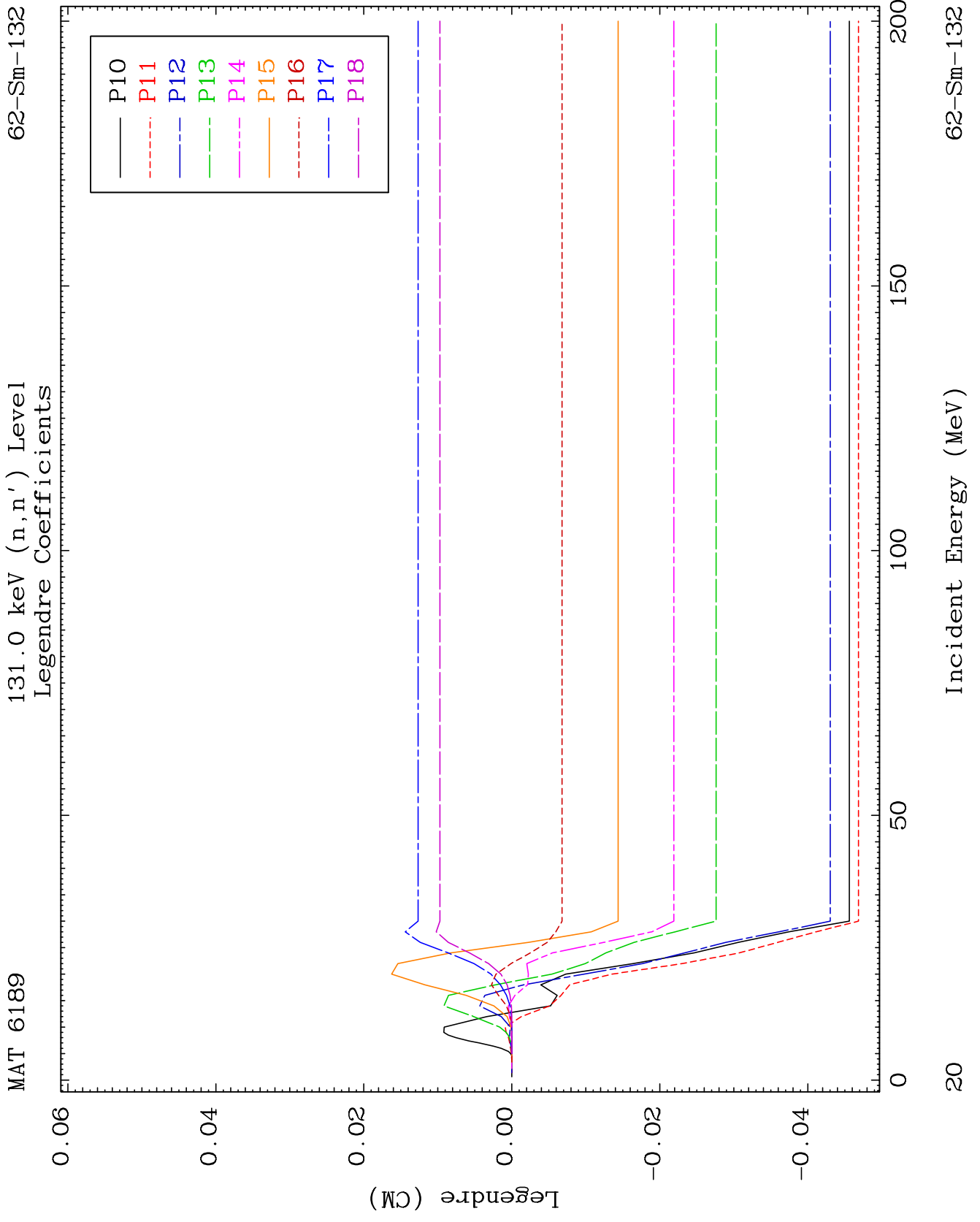
62-Sm-132

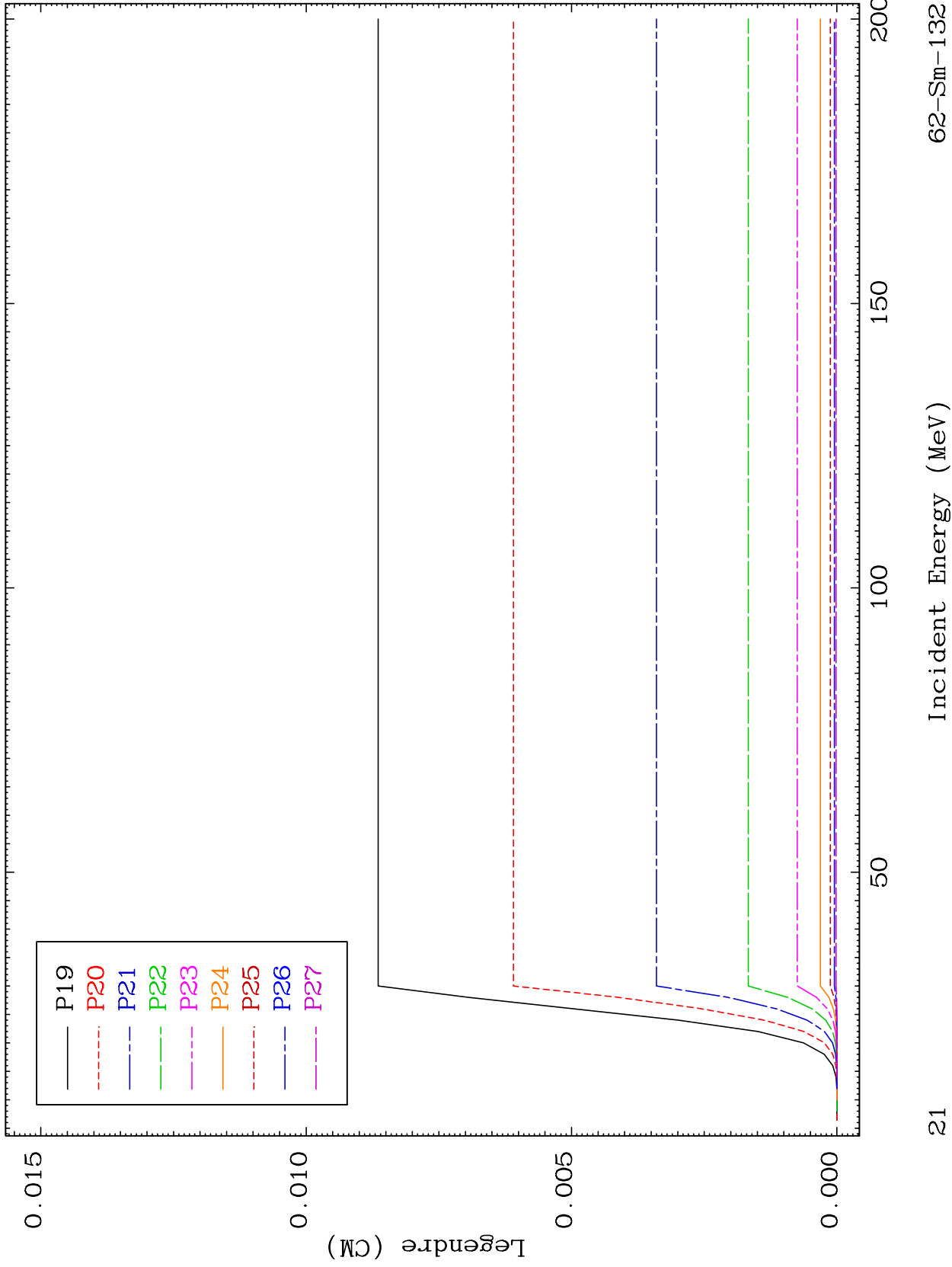


19

Incident Energy (MeV)

62-Sm-132

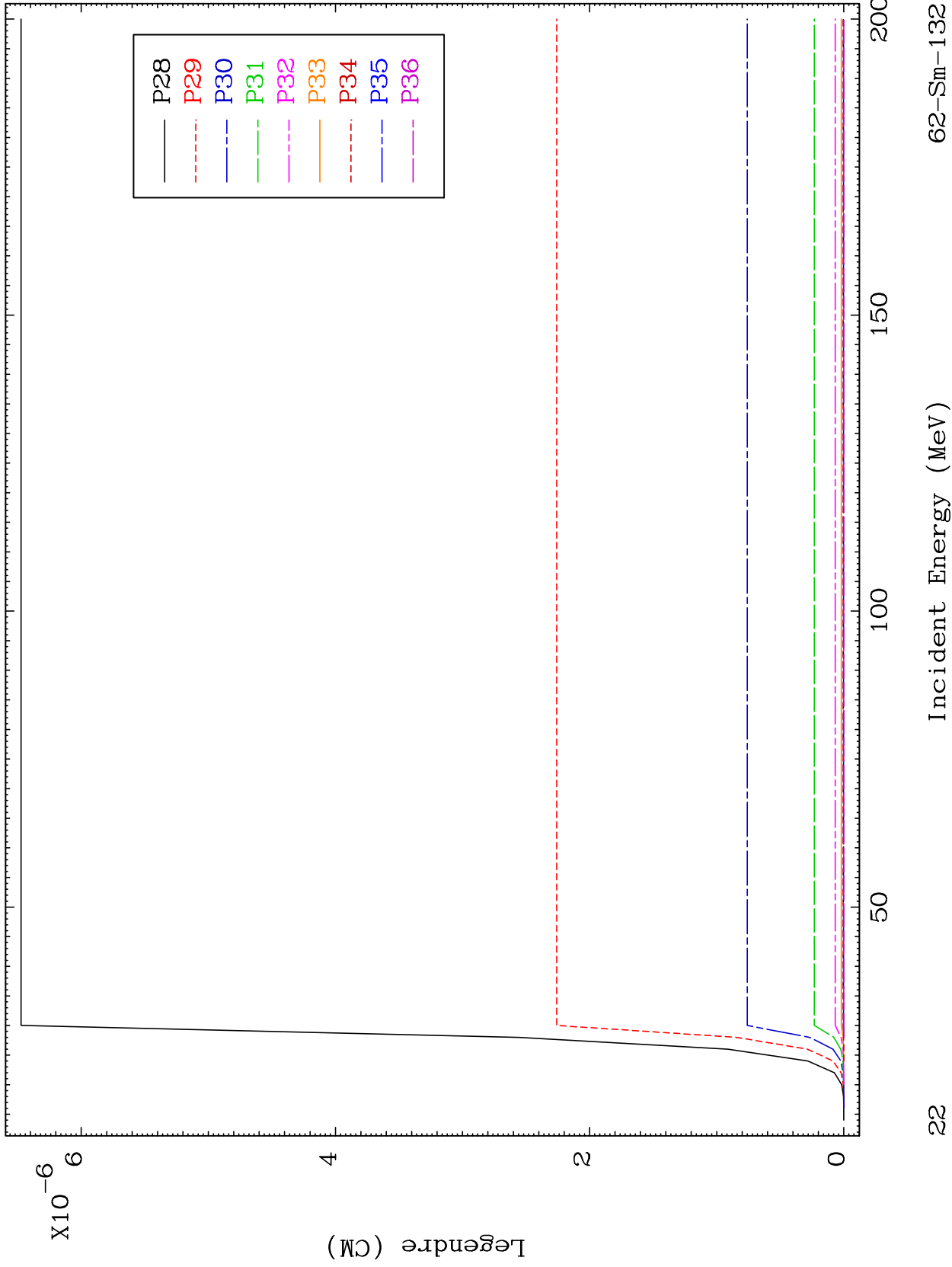




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131.0 keV (n,n') Level  
Legendre Coefficients

62-Sm-132



22

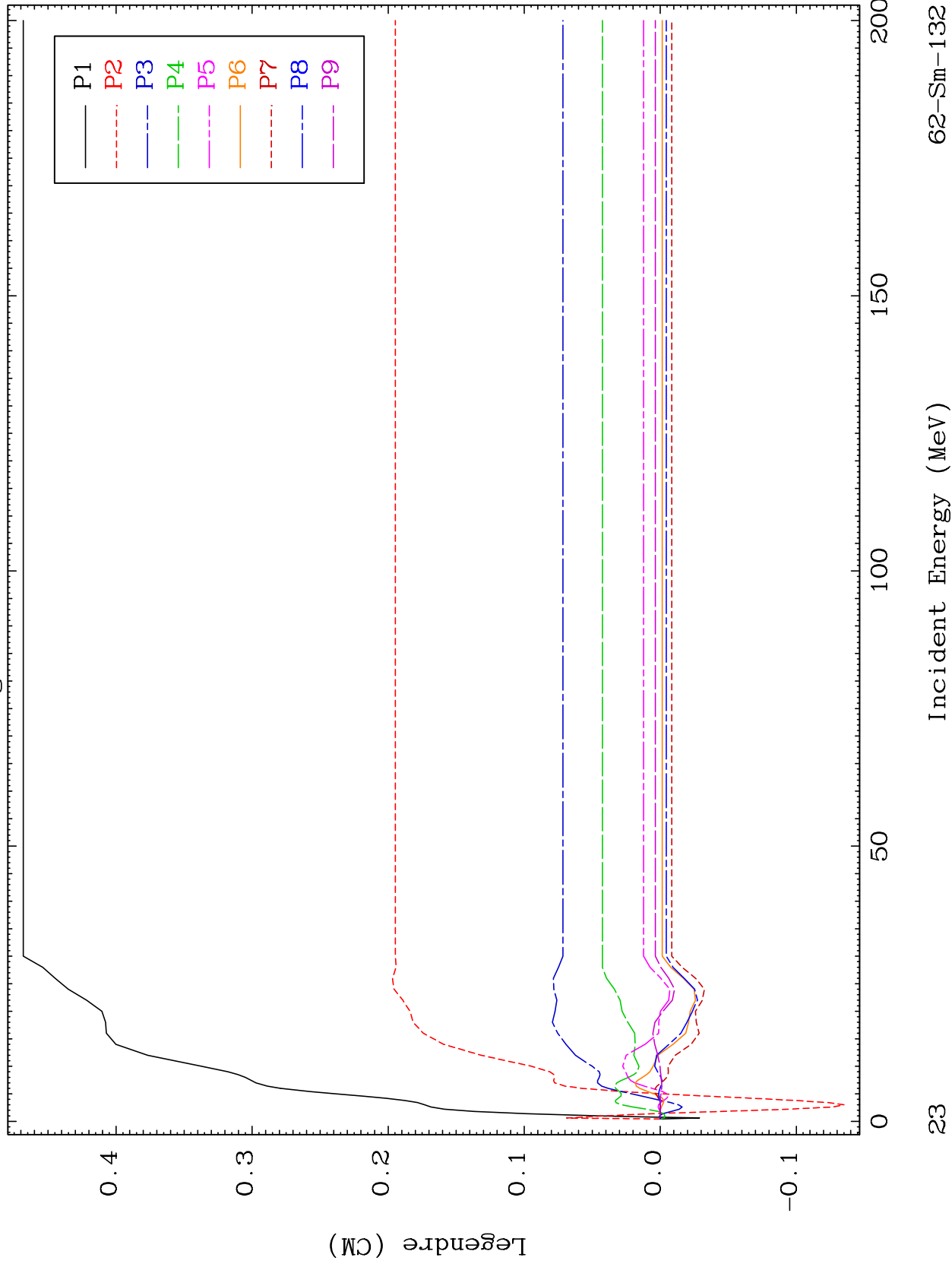
Incident Energy (MeV)

62-Sm-132

MAT 6189

417.0 keV (n,n') Level  
Legendre Coefficients

62-Sm-132



23

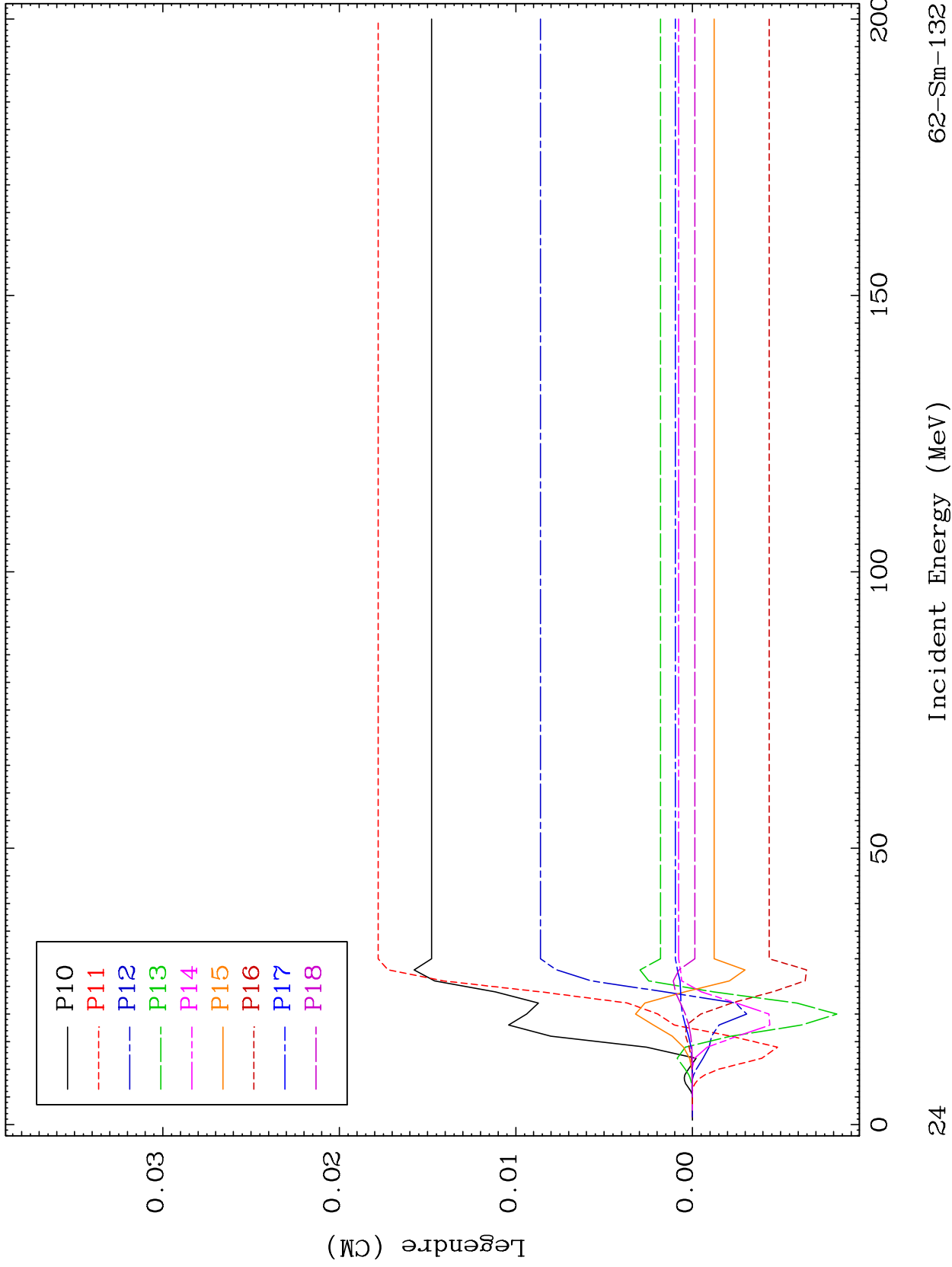
62-Sm-132



MAT 6189

417.0 keV (n,n') Level  
Legendre Coefficients

62-Sm-132



24

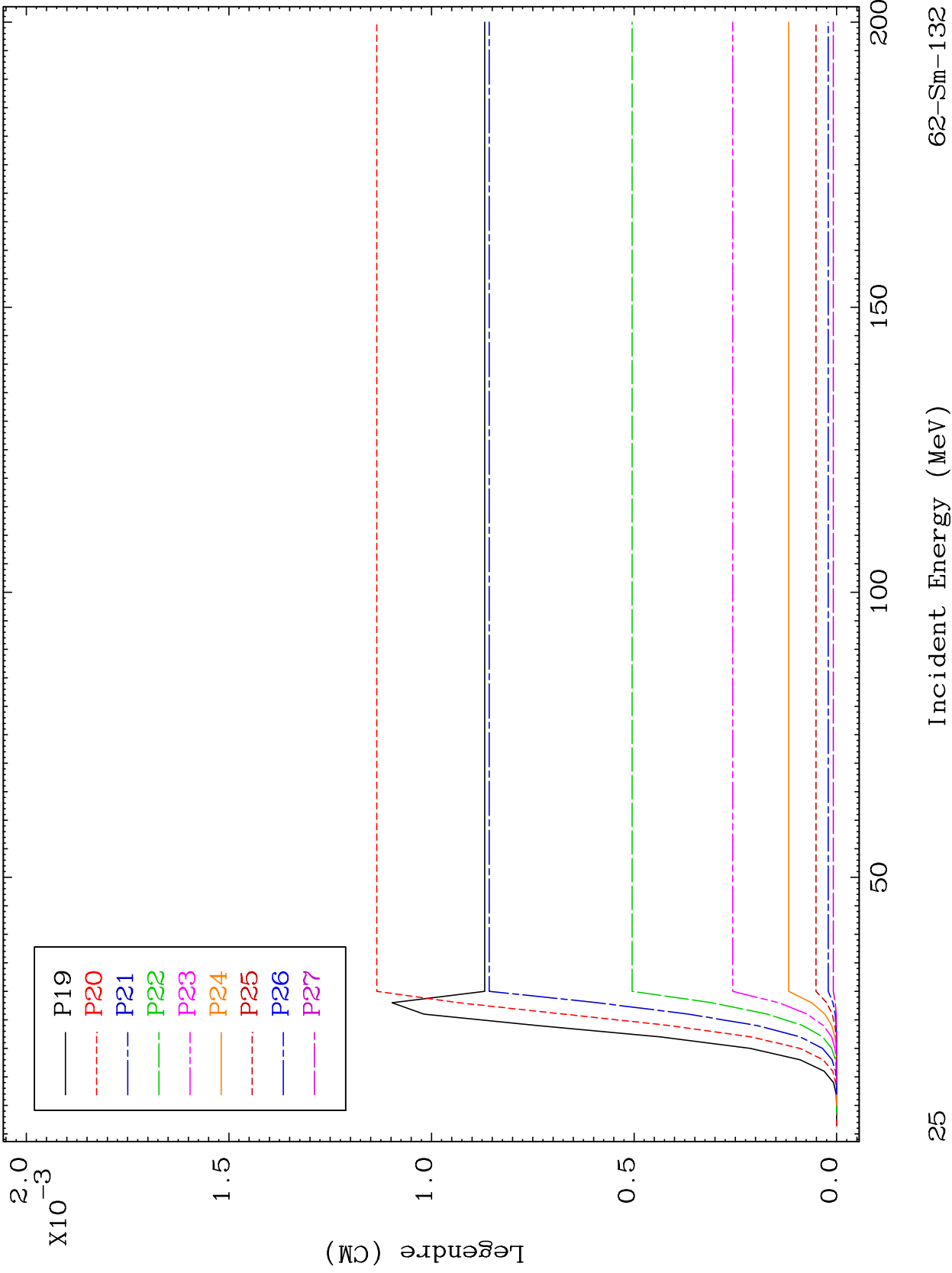
Incident Energy (MeV)

62-Sm-132

MAT 6189

417.0 keV (n,n') Level  
Legendre Coefficients

62-Sm-132



25

Incident Energy (MeV)

50

100

150

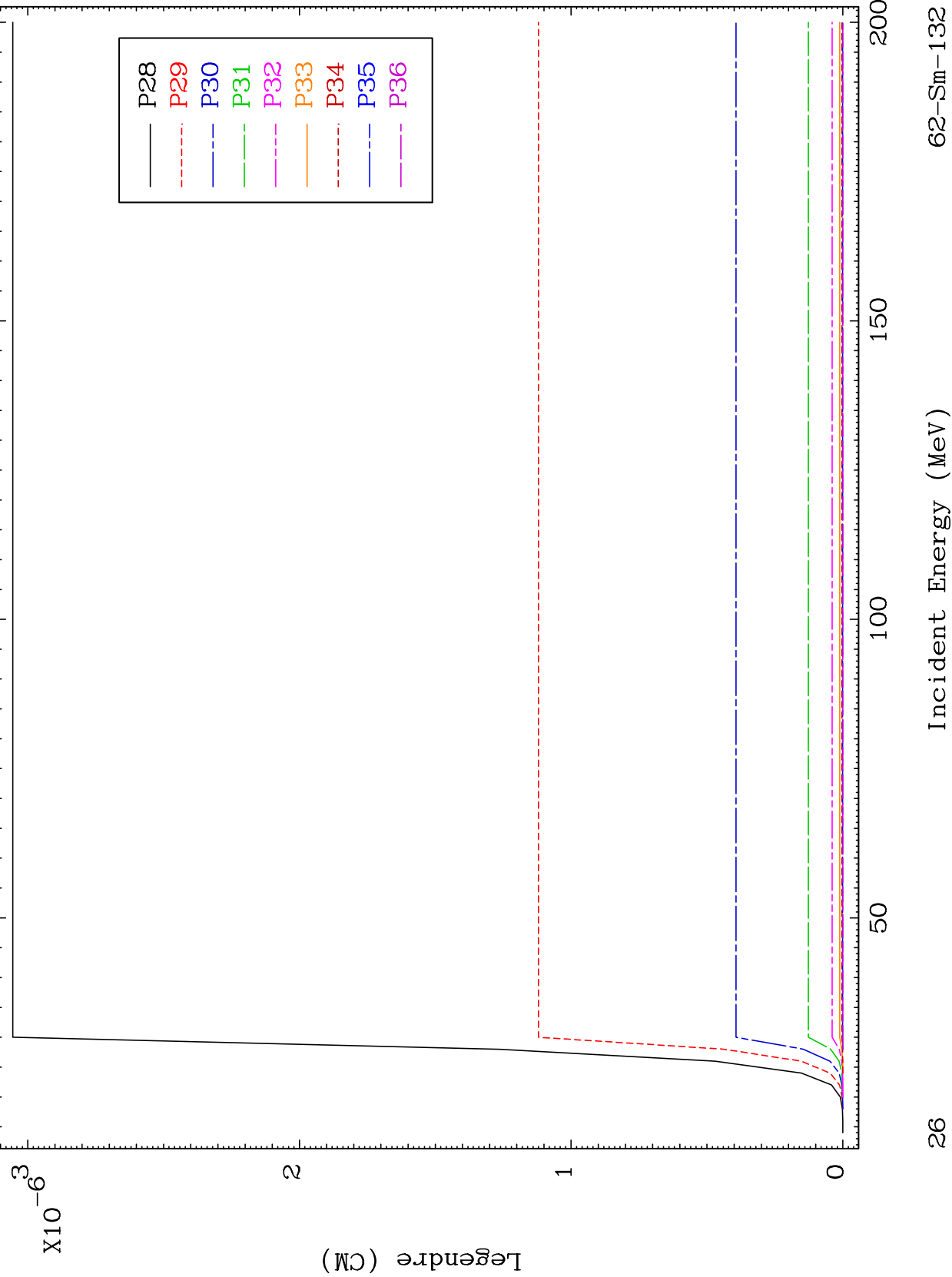
200

62-Sm-132

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417.0 keV (n,n') Level  
Legendre Coefficients

62-Sm-132



26

Incident Energy (MeV)

62-Sm-132

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62-Sm-132

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

