

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

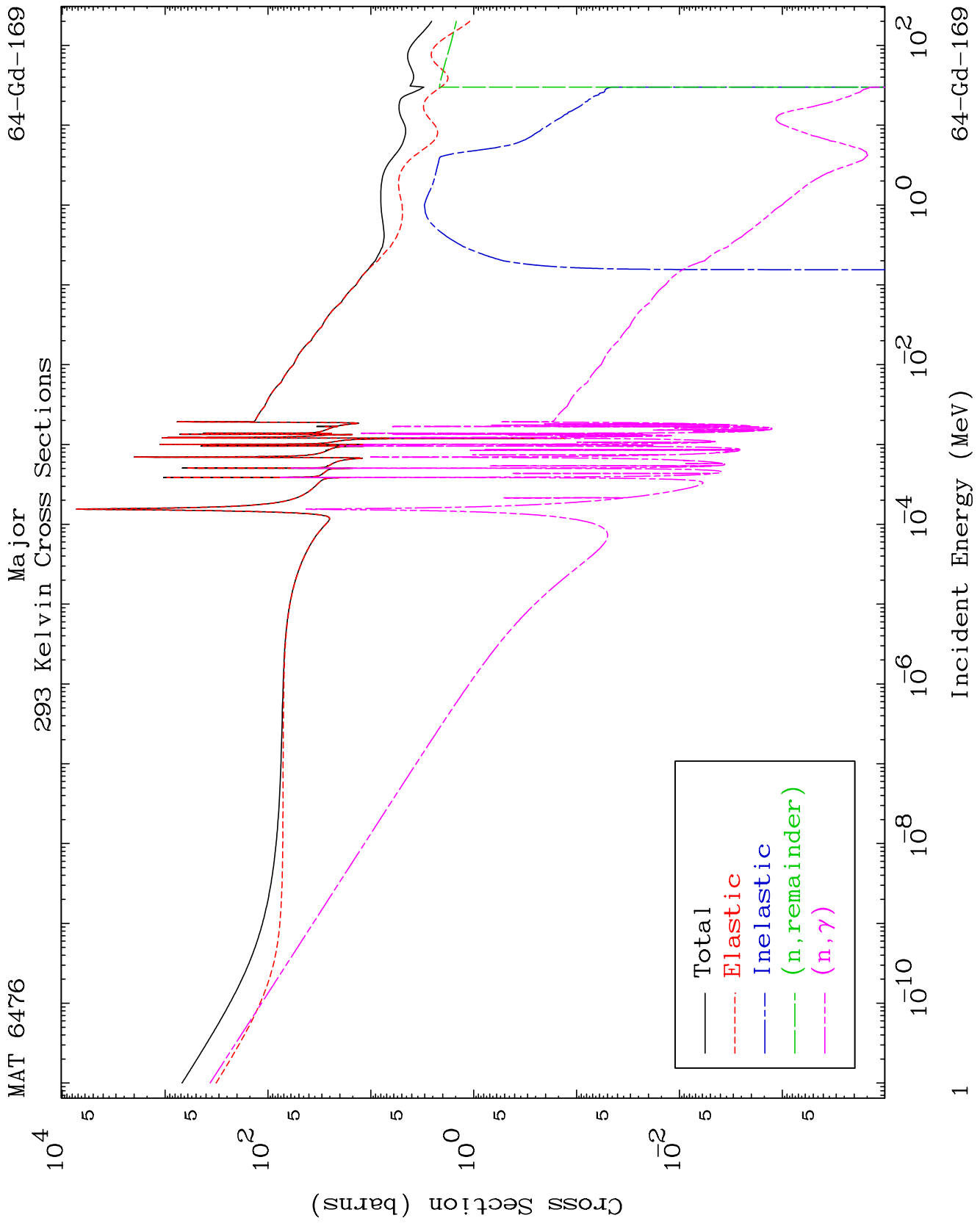
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)

Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

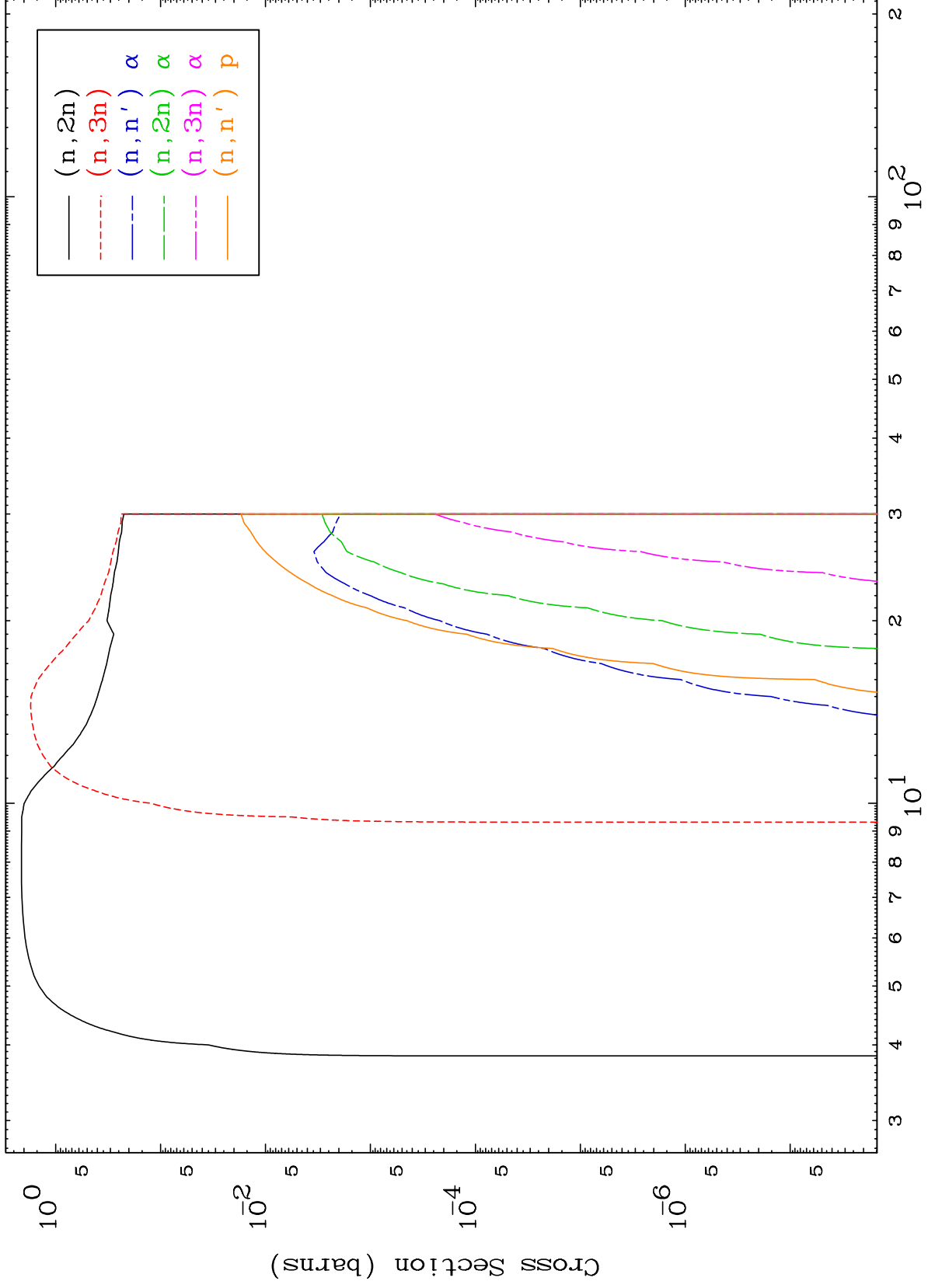
Press Mouse Button to Start



MAT 6476

Neutron Production  
293 Kelvin Cross Sections

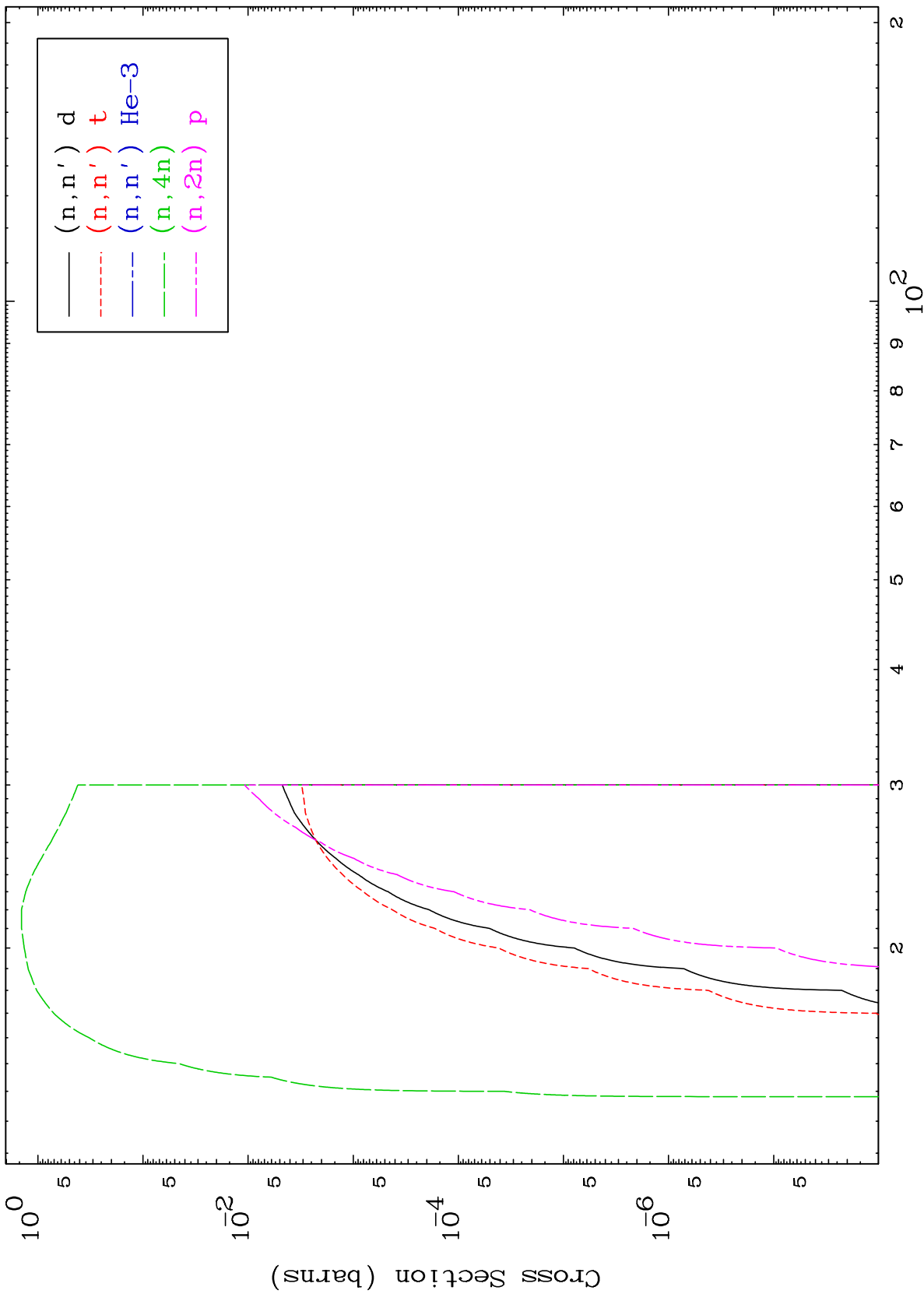
64-Gd-169

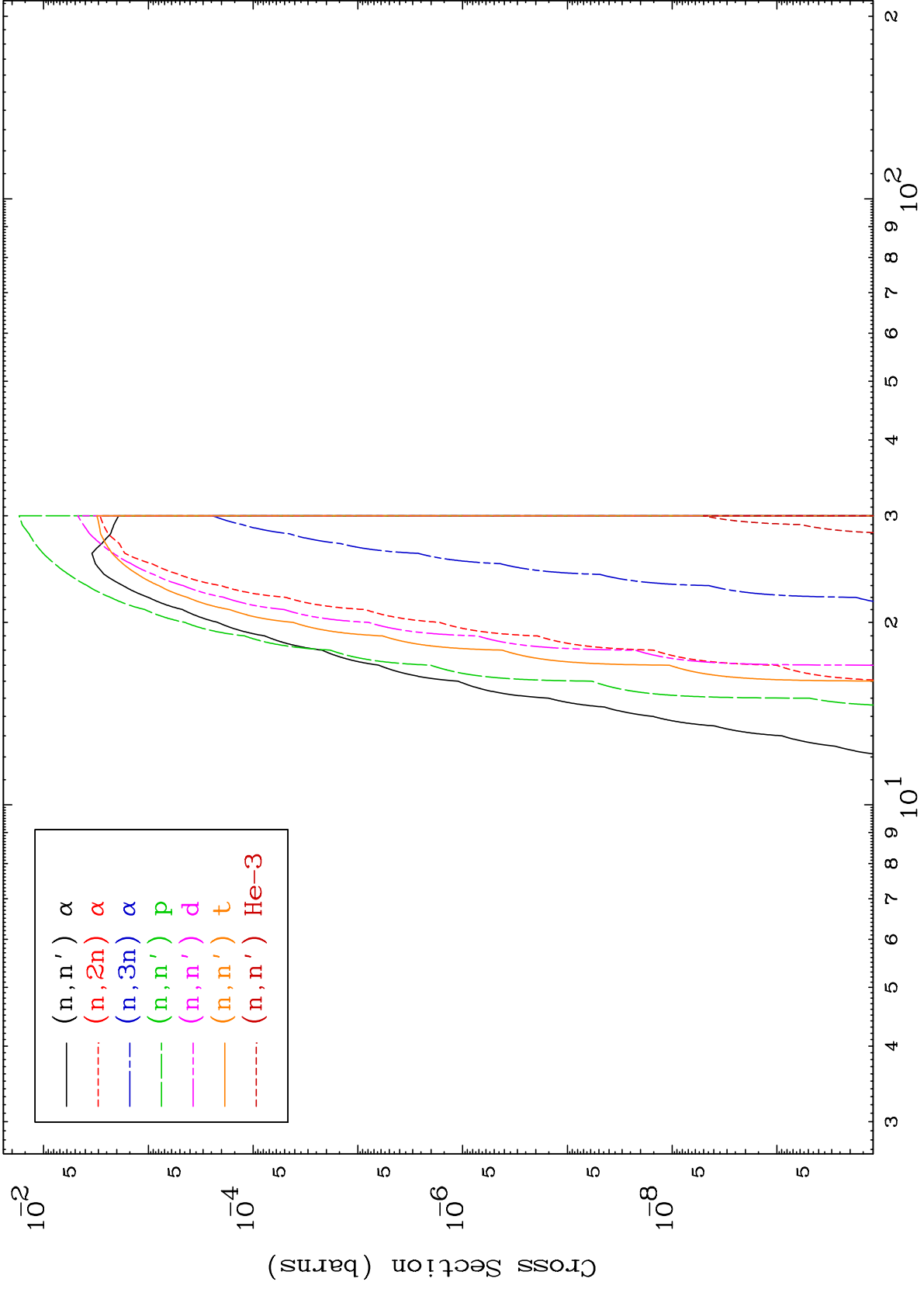


2

Incident Energy (MeV)

64-Gd-169

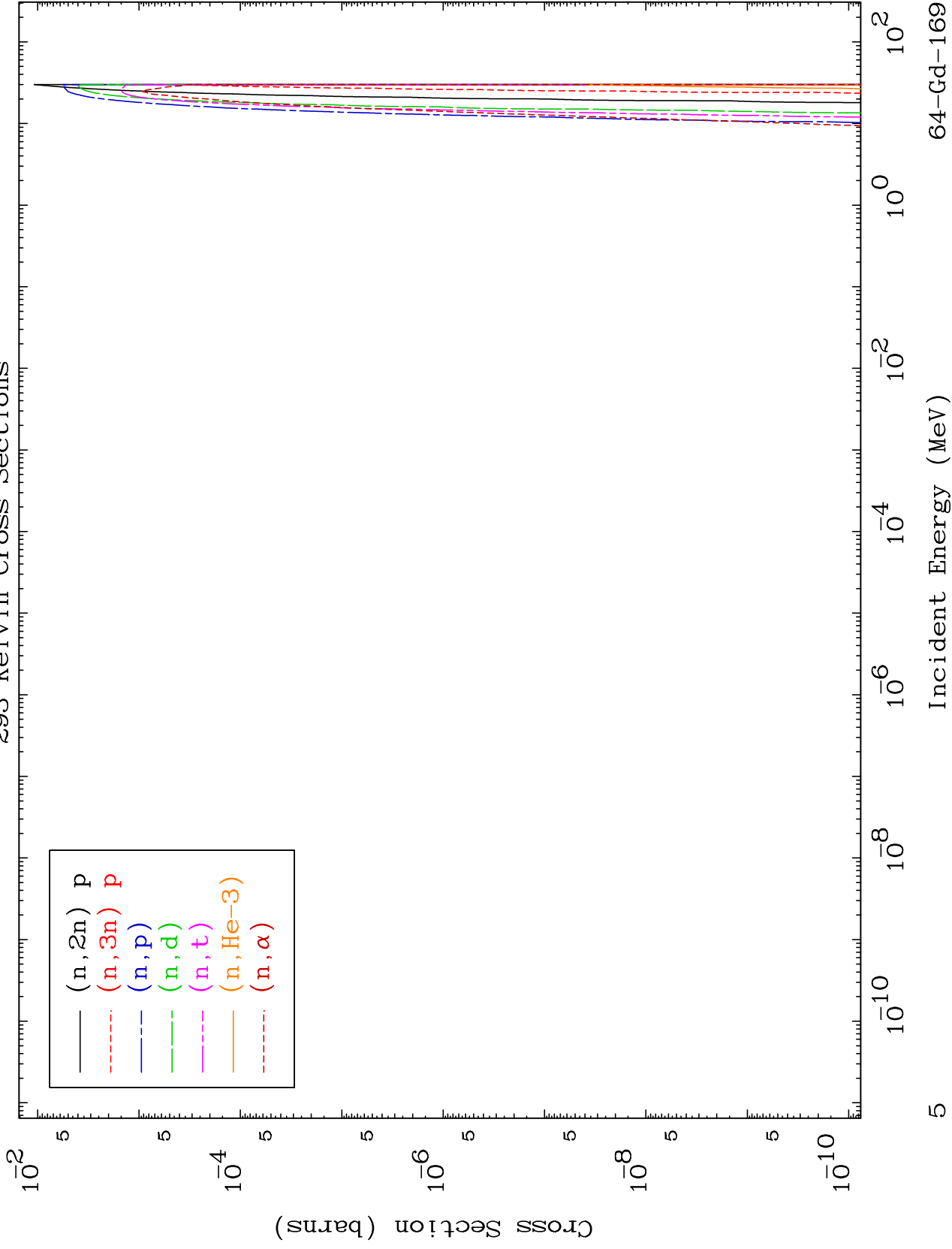




MAT 6476

Charged Particle  
293 Kelvin Cross Sections

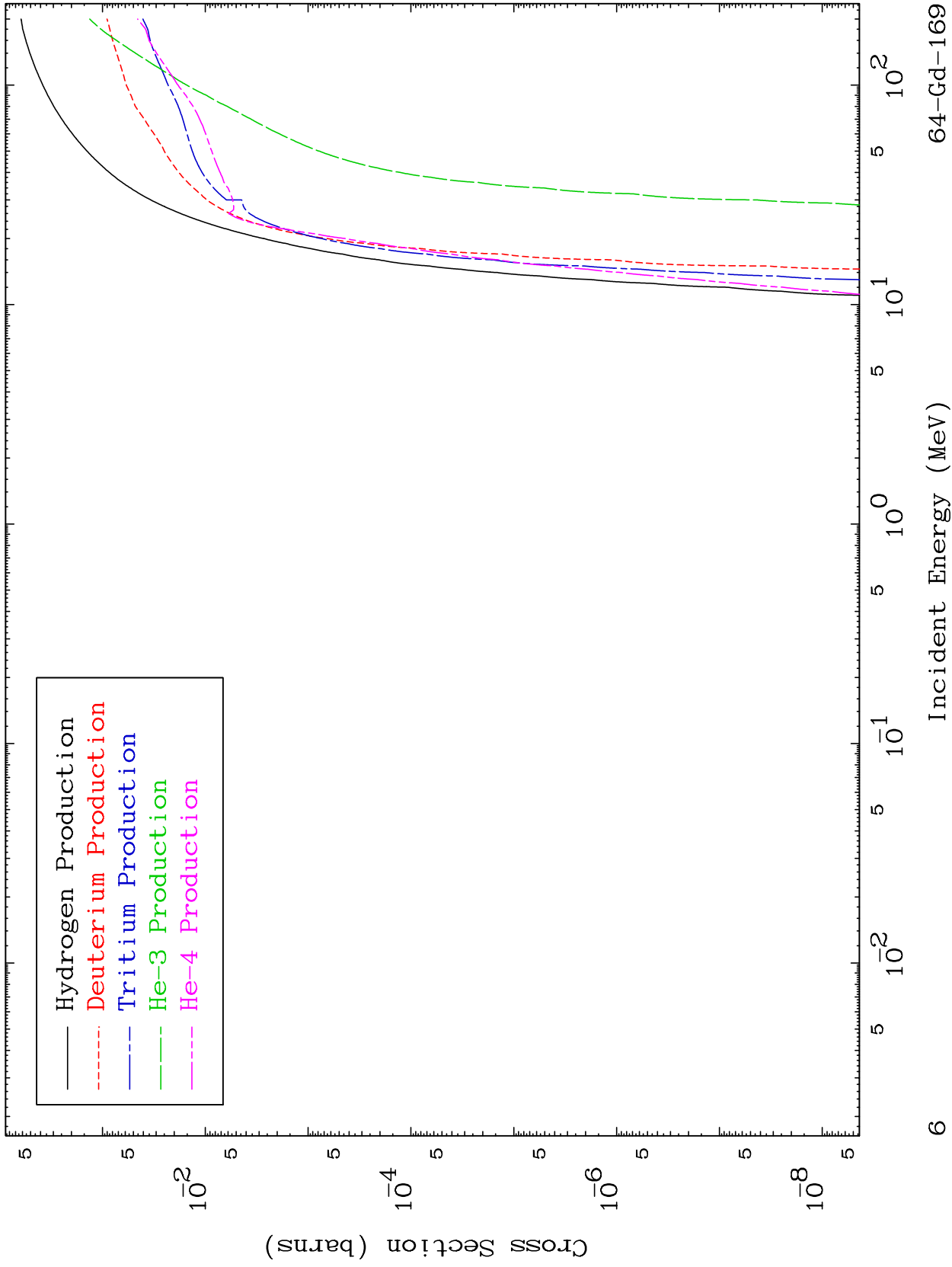
64-Gd-169



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Particle Production  
293 Kelvin Cross Sections

64-Gd-169



6

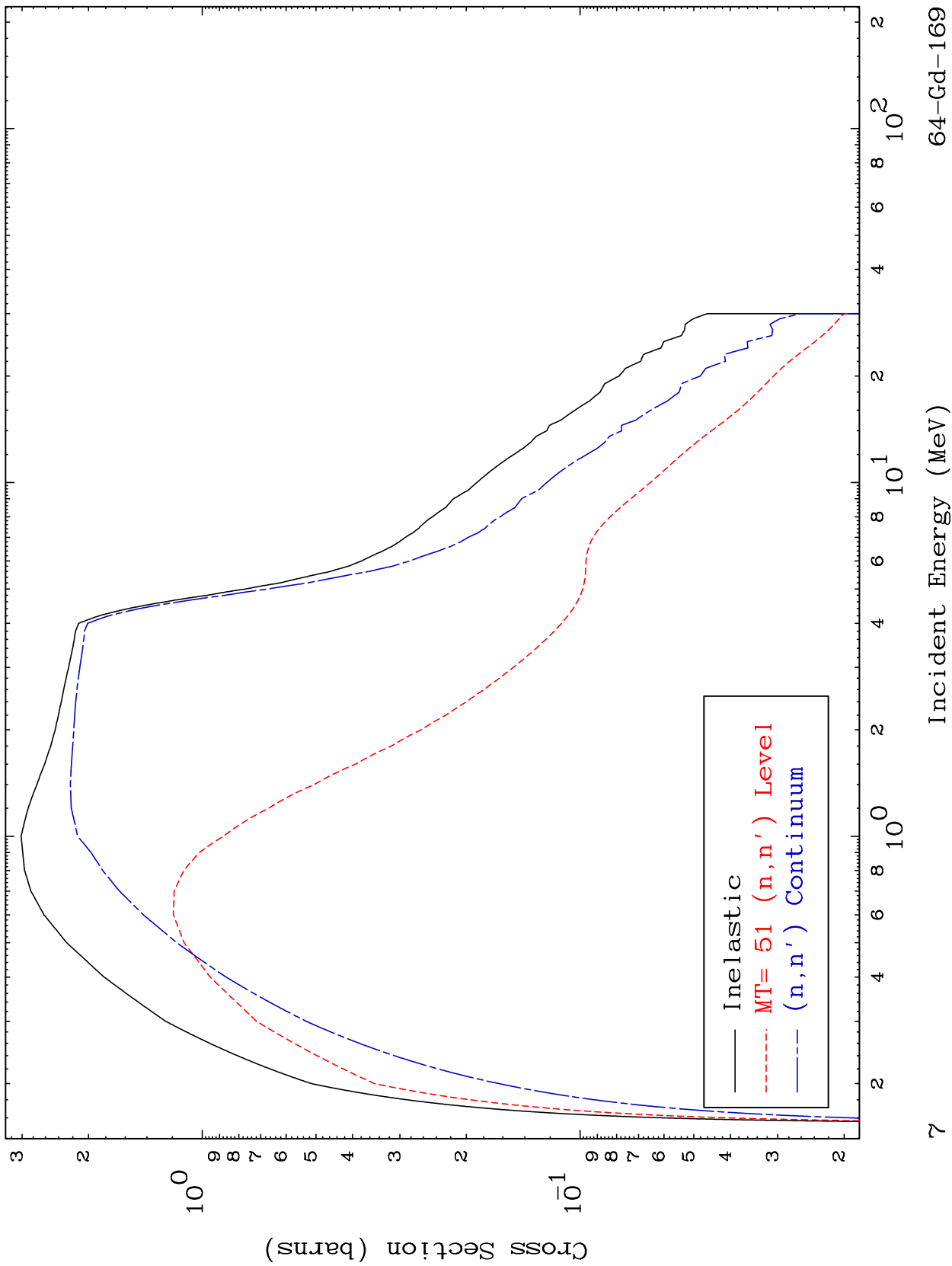
64-Gd-169

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(n,n') Level

64-Gd-169

293 Kelvin Cross Sections

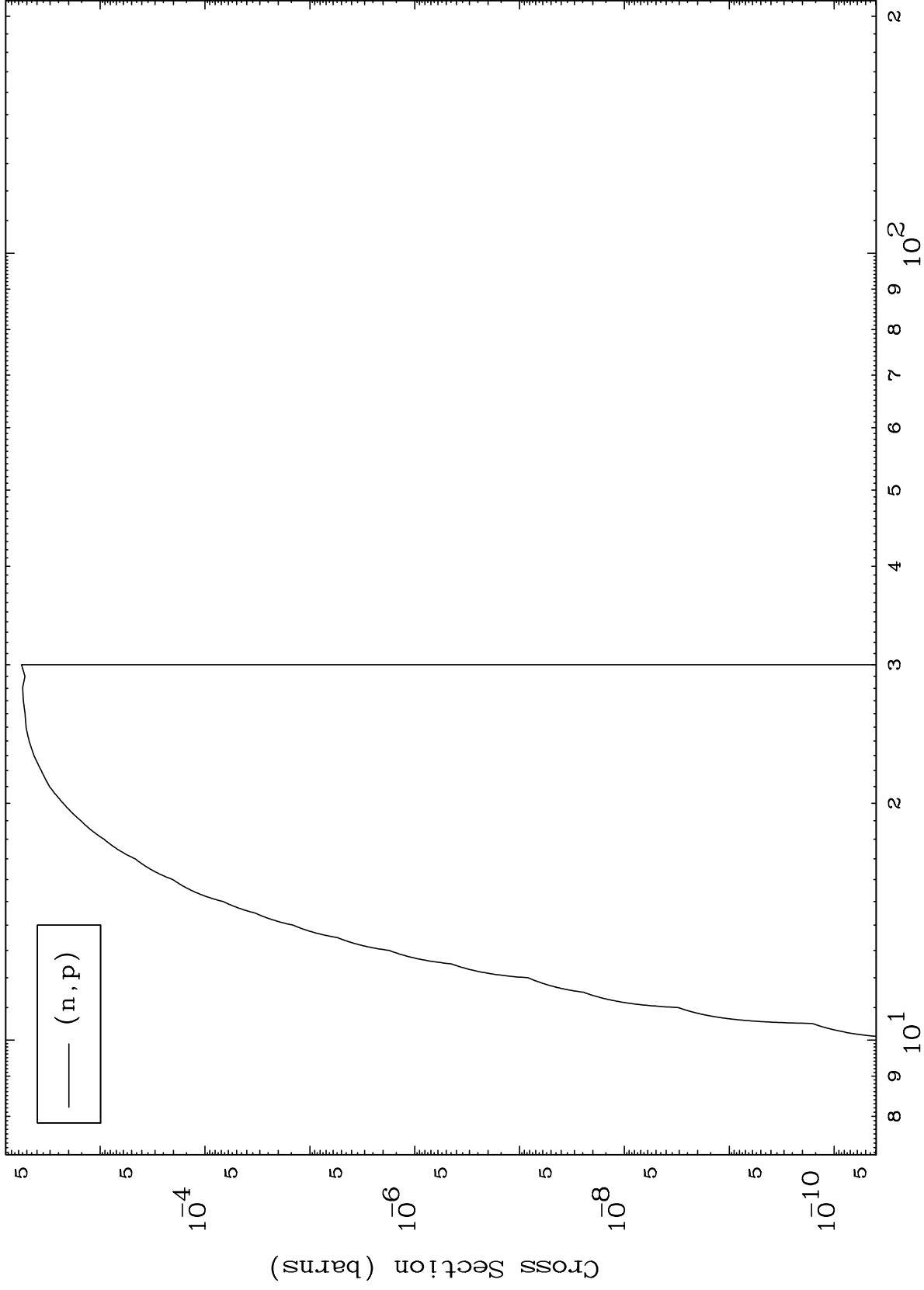




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(n,p) Levels  
293 Kelvin Cross Sections

64-Gd-169



8

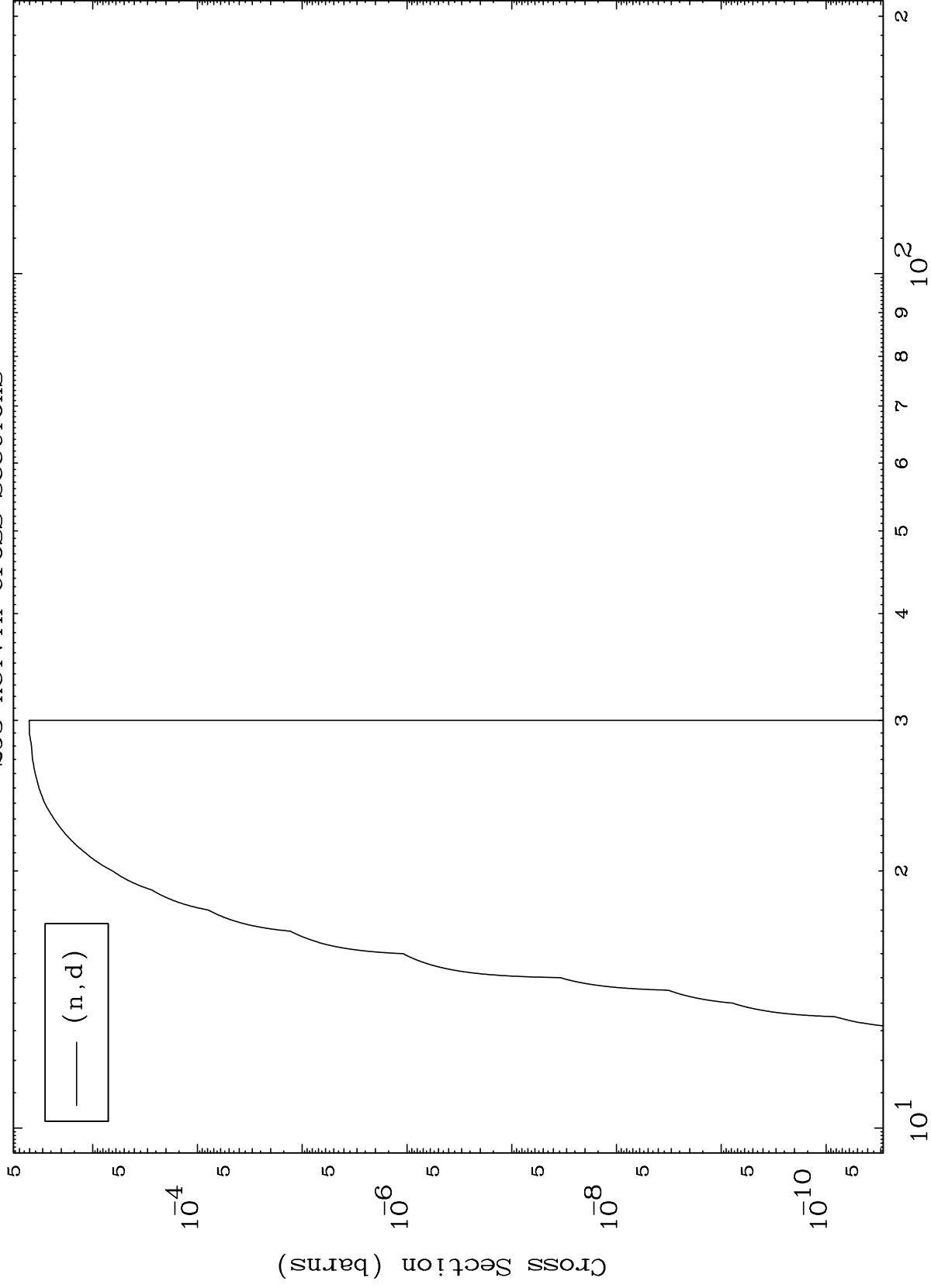
Incident Energy (MeV)

64-Gd-169

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(n,d) Levels  
293 Kelvin Cross Sections

64-Gd-169



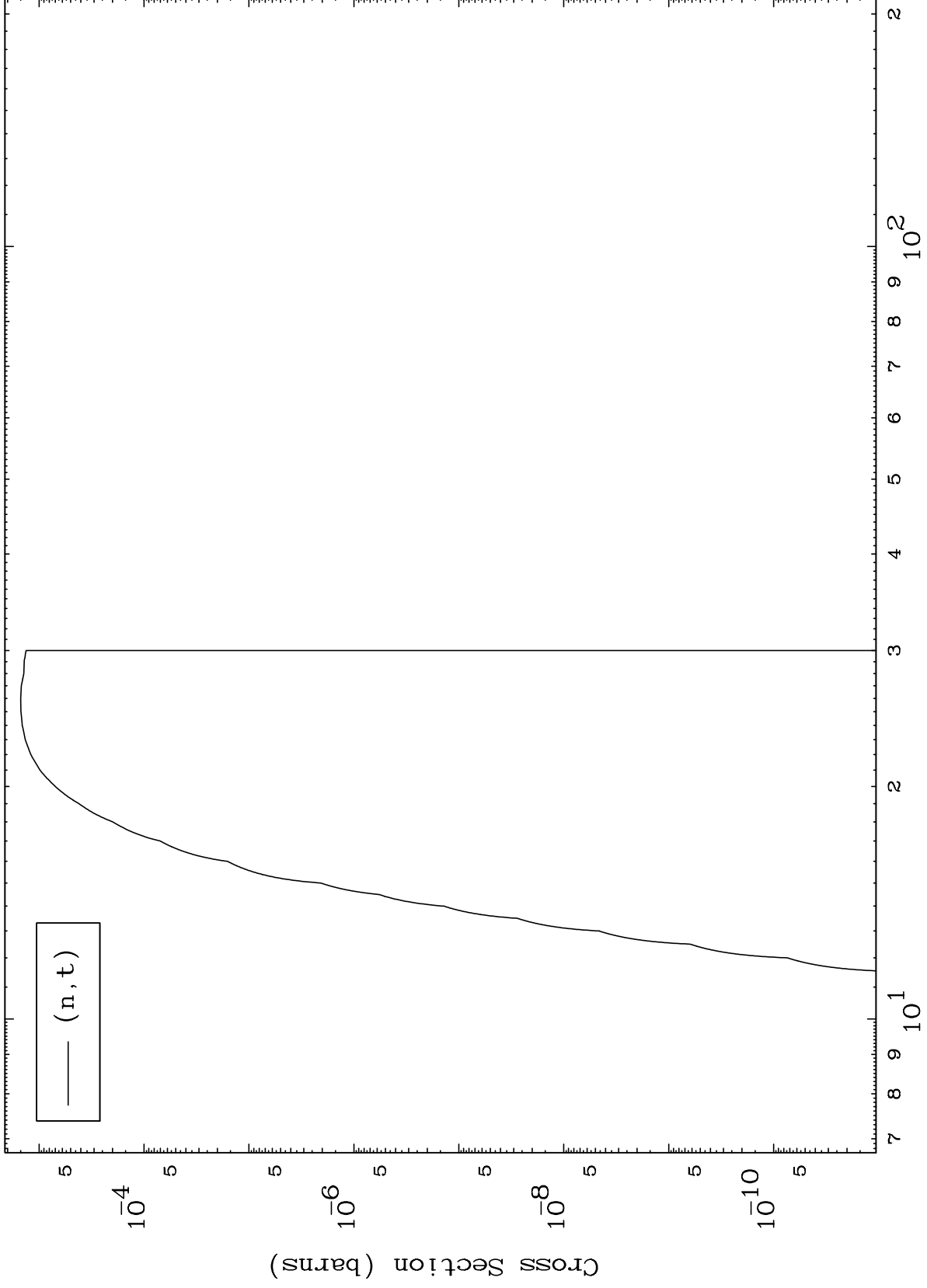
Incident Energy (MeV)

64-Gd-169

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(n,t) Levels  
293 Kelvin Cross Sections

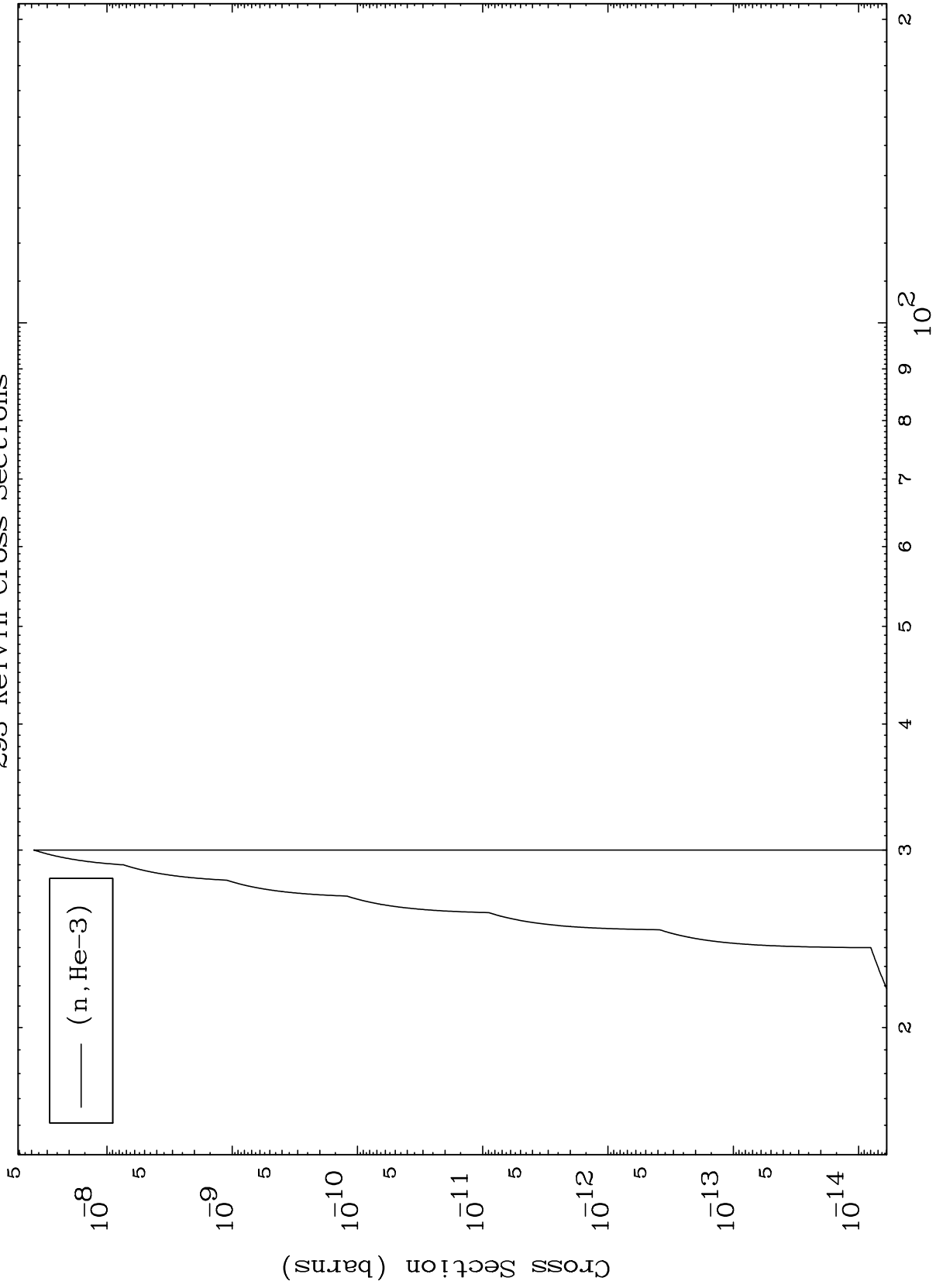
64-Gd-169



10

Incident Energy (MeV)

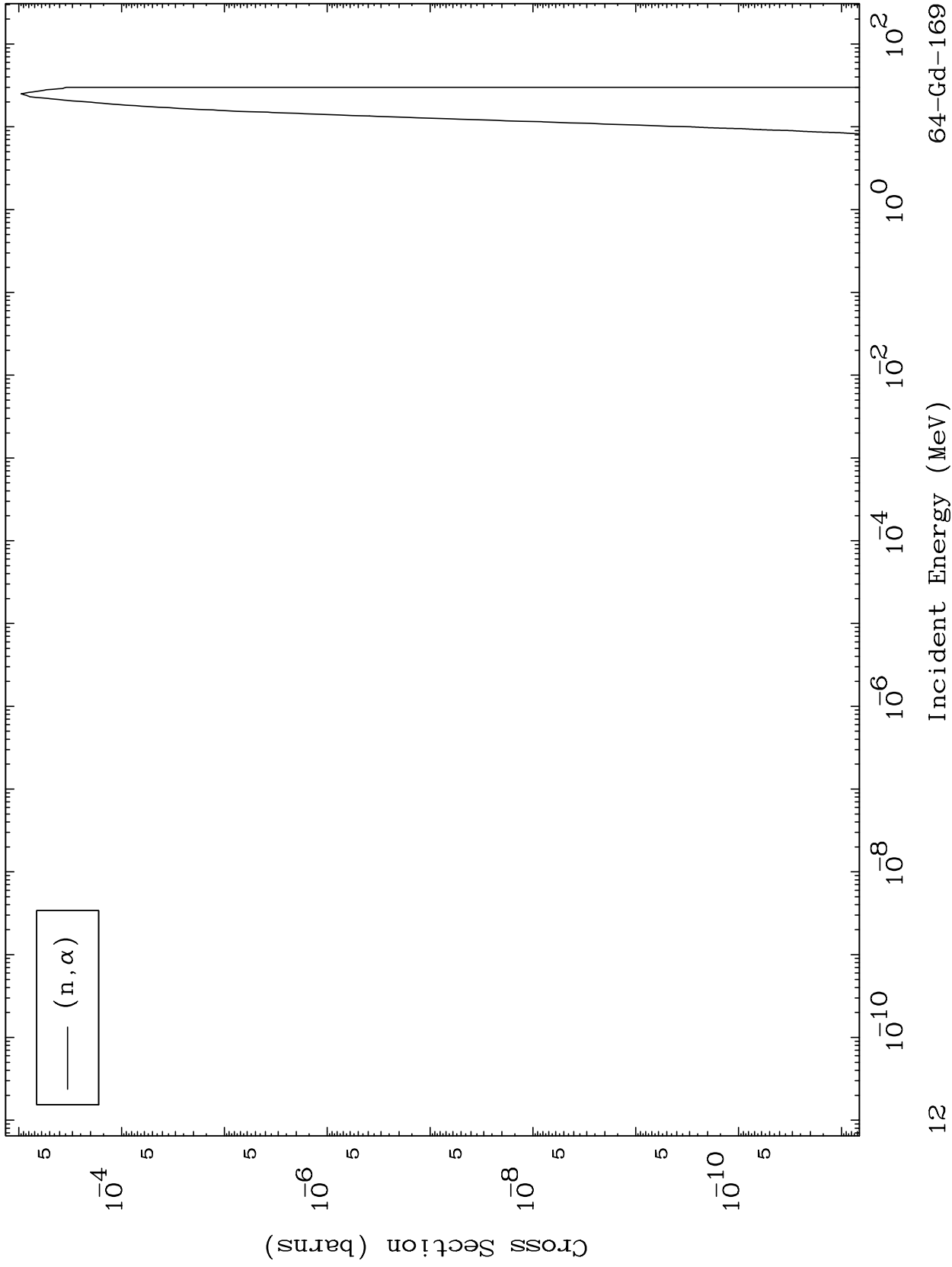
64-Gd-169



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

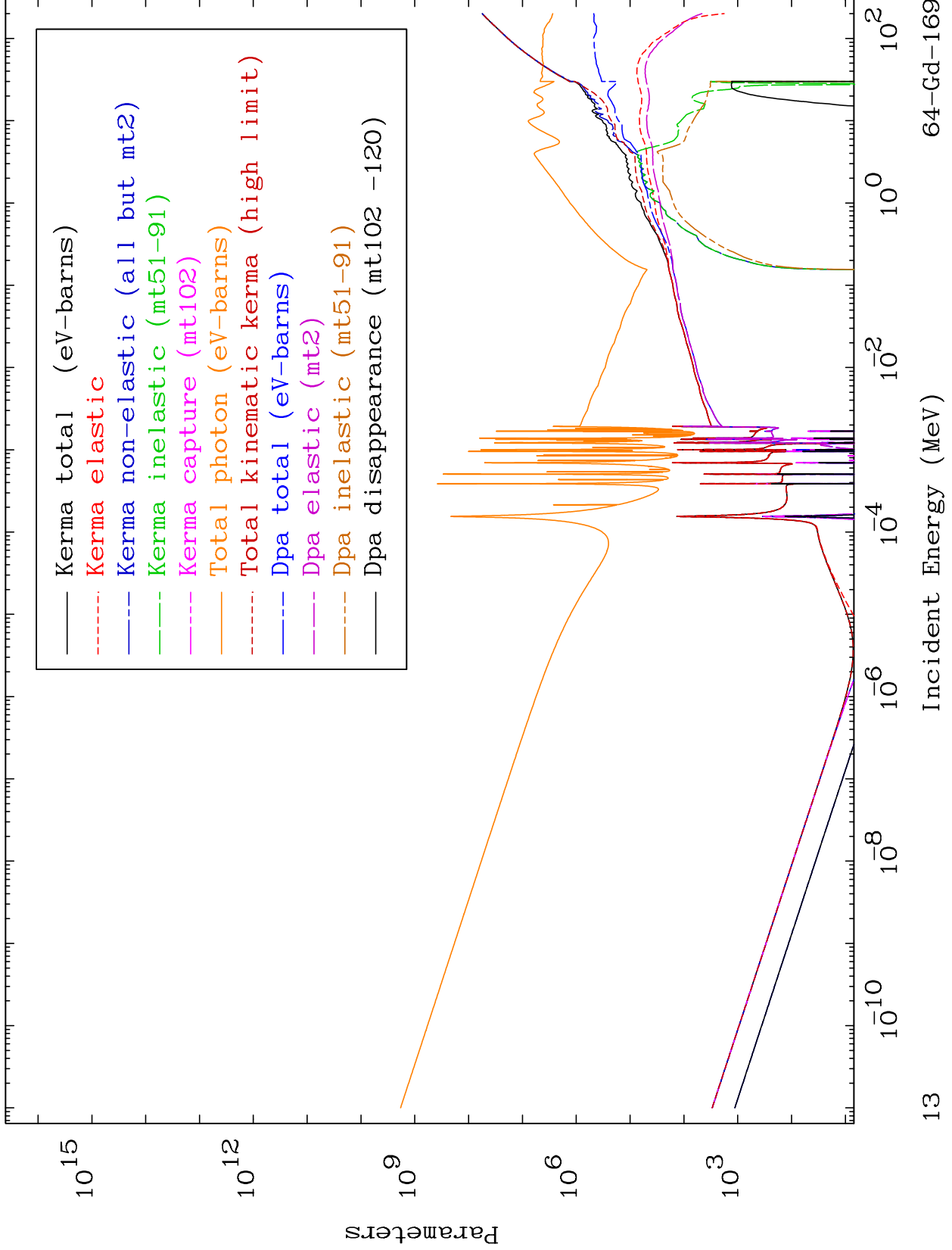
64-Gd-169



12

Incident Energy (MeV)

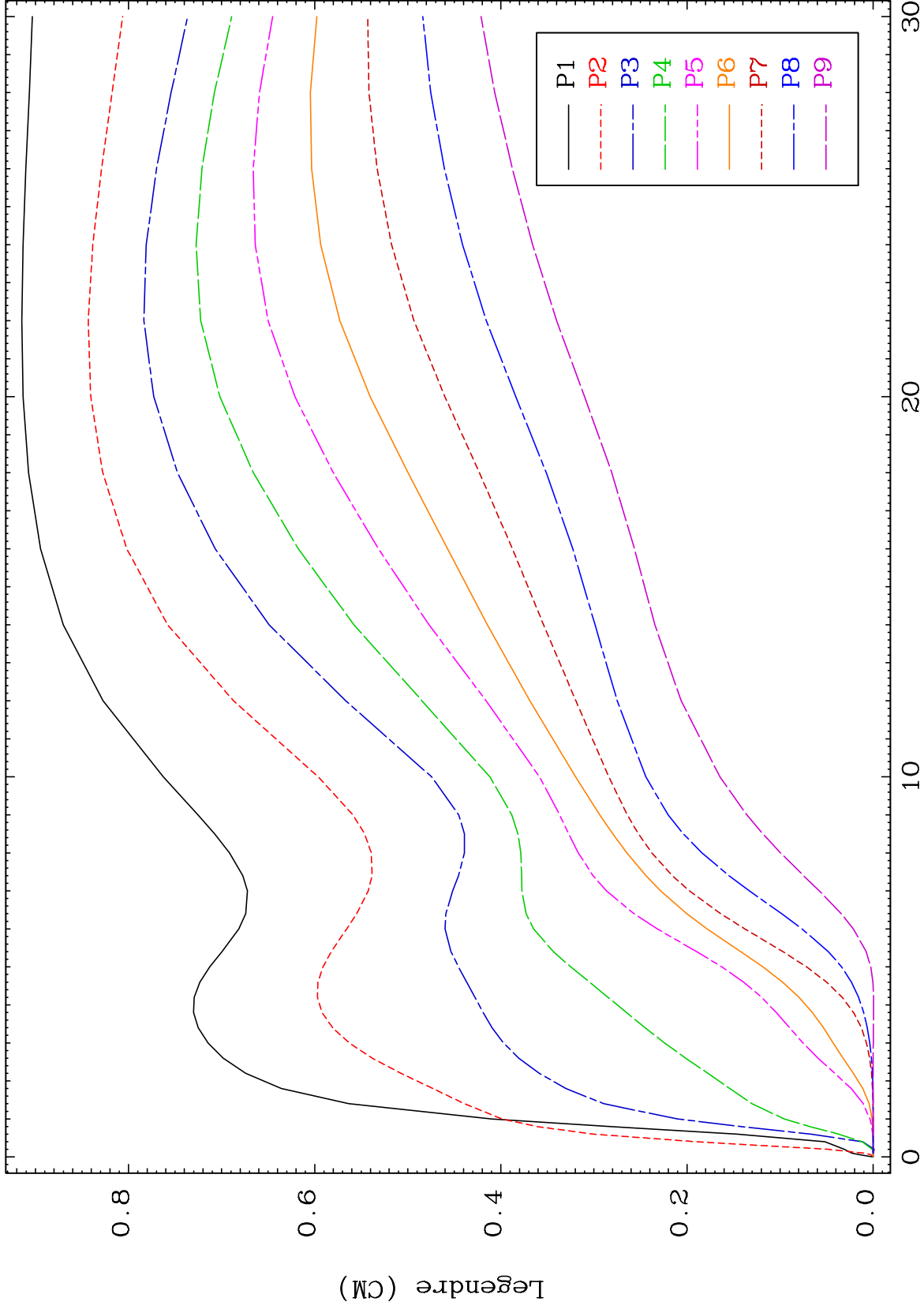
64-Gd-169



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Elastic Legendre Coefficients

64-Gd-169



14

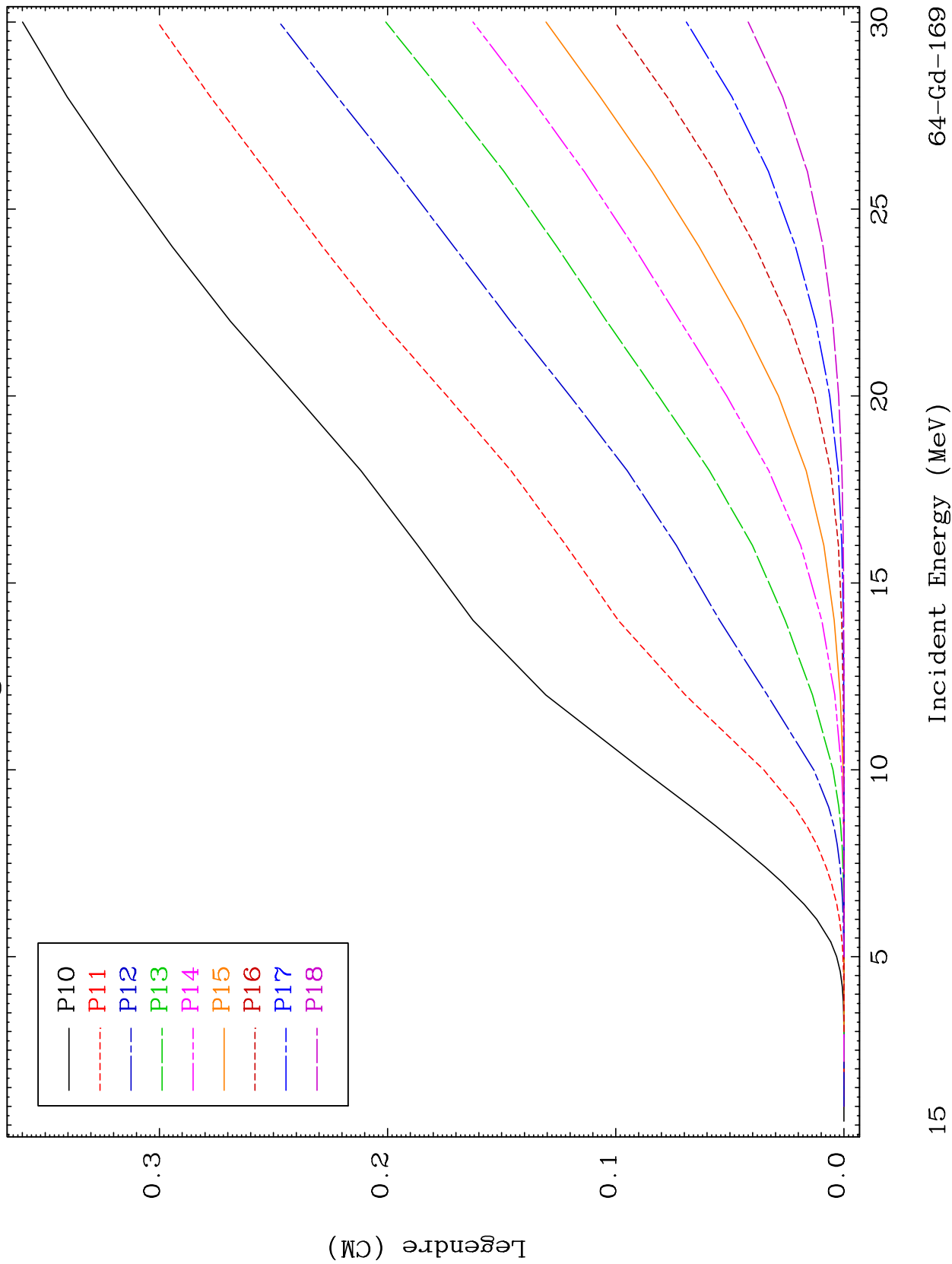
Incident Energy (MeV)

64-Gd-169

MAT 6476

Elastic Legendre Coefficients

64-Gd-169



15

Incident Energy (MeV)

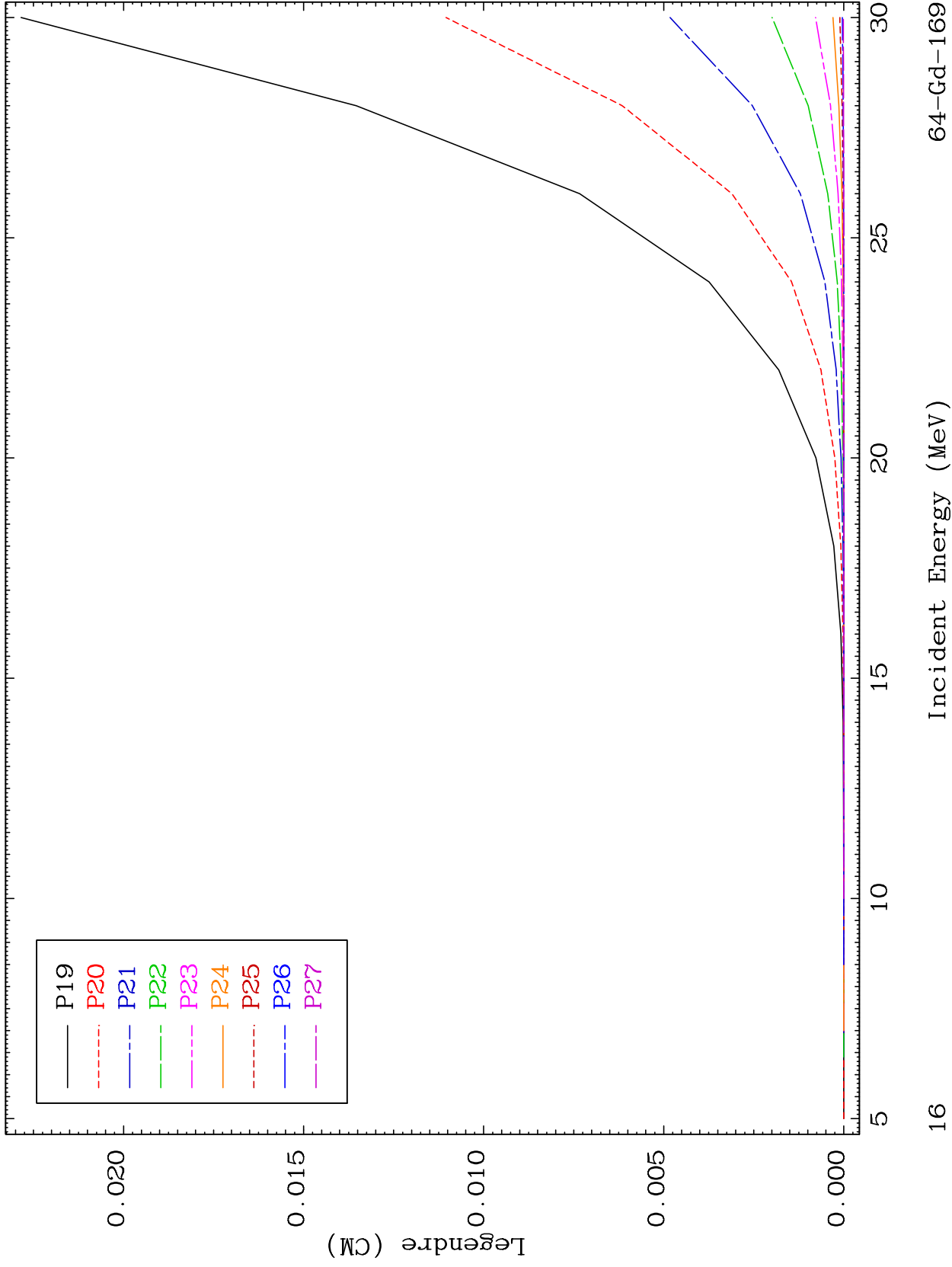
64-Gd-169



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### Elastic Legendre Coefficients

64-Gd-169



64-Gd-169

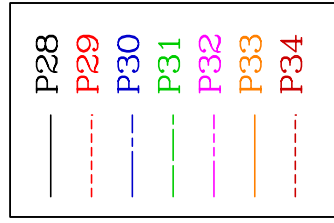
Incident Energy (MeV)

16

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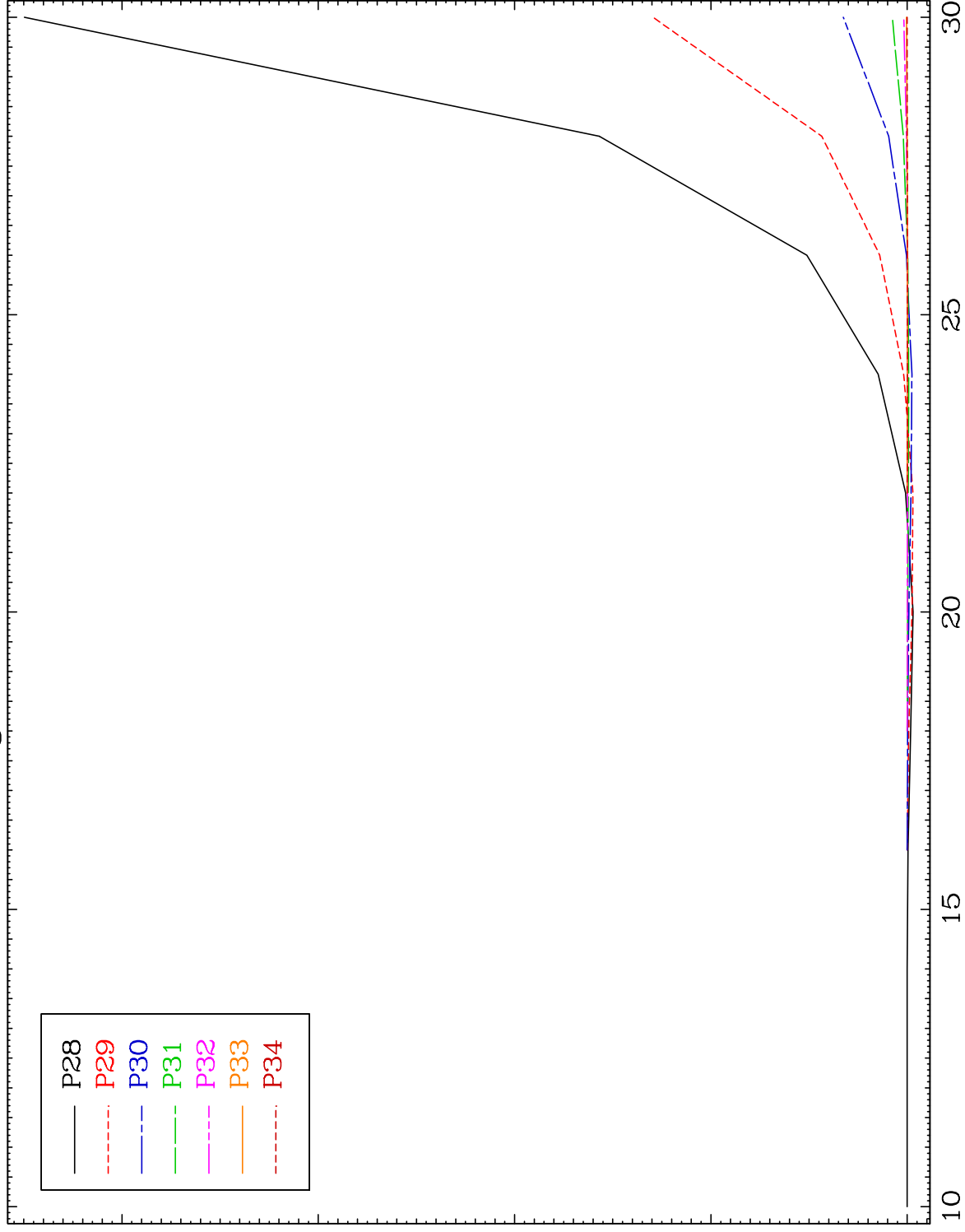
Elastic  
Legendre Coefficients

64-Gd-169



$\times 10^{-6}$

Legendre (CM)



10

15

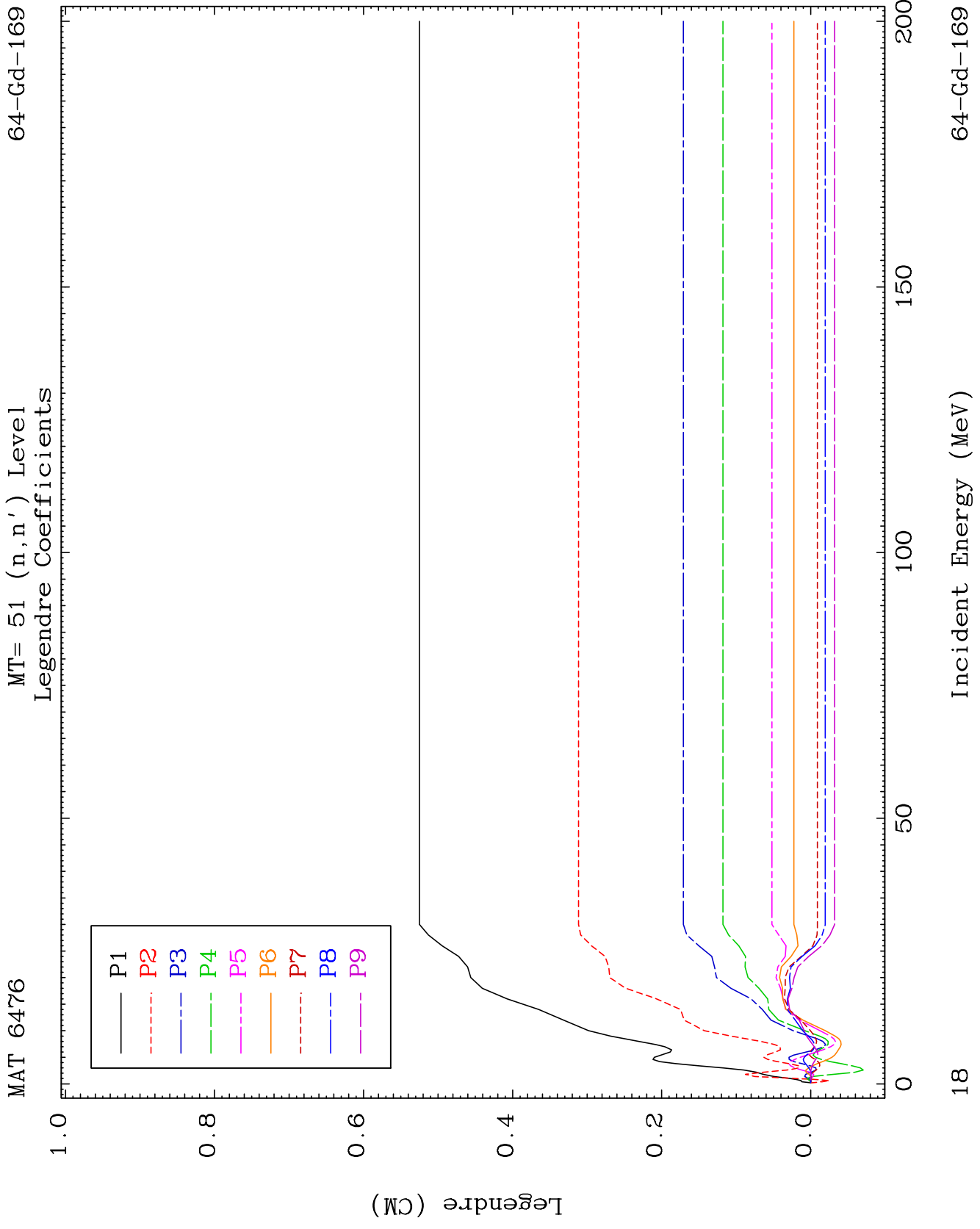
20

25

30

Incident Energy (MeV)

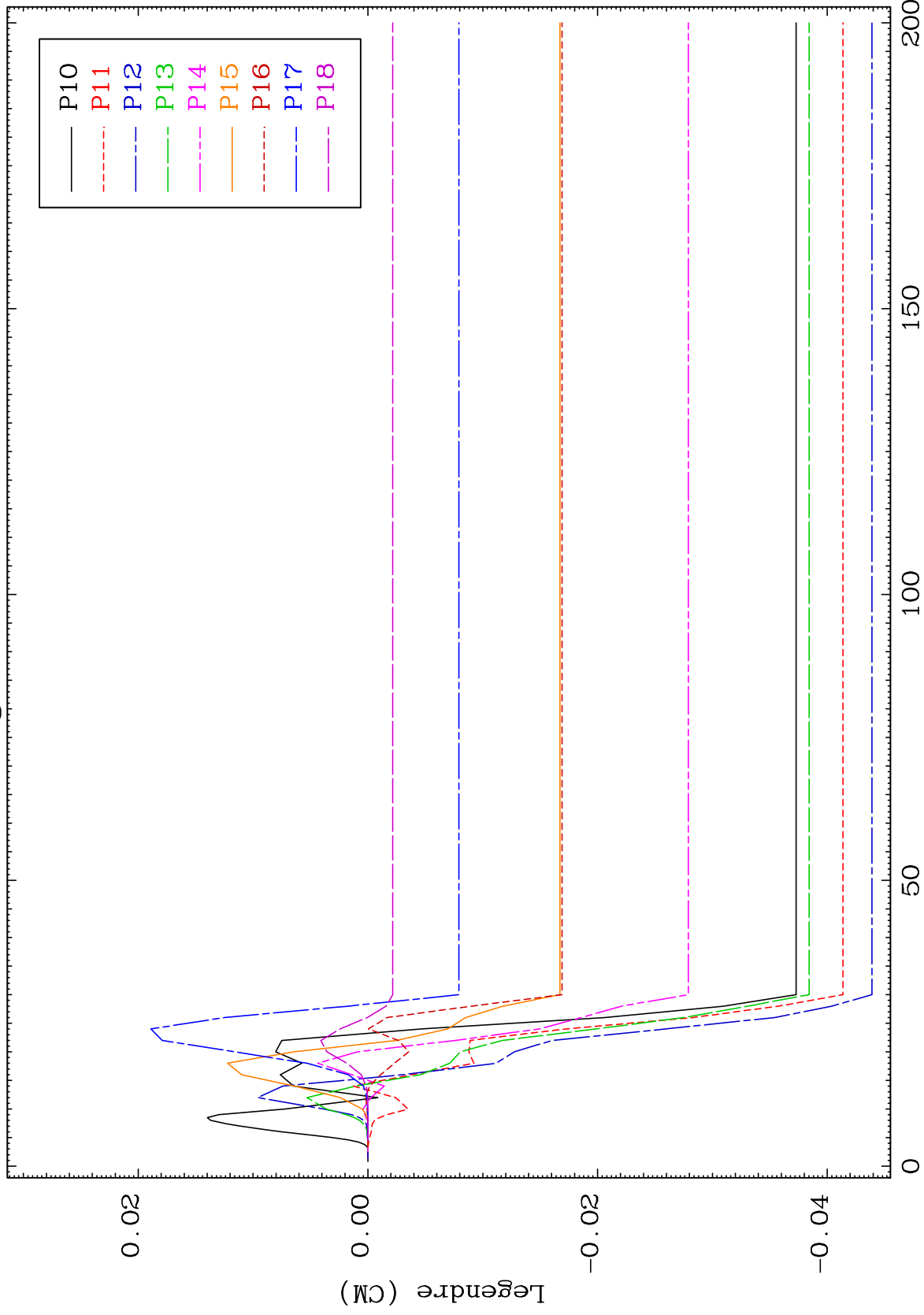
64-Gd-169



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

64-Gd-169



19

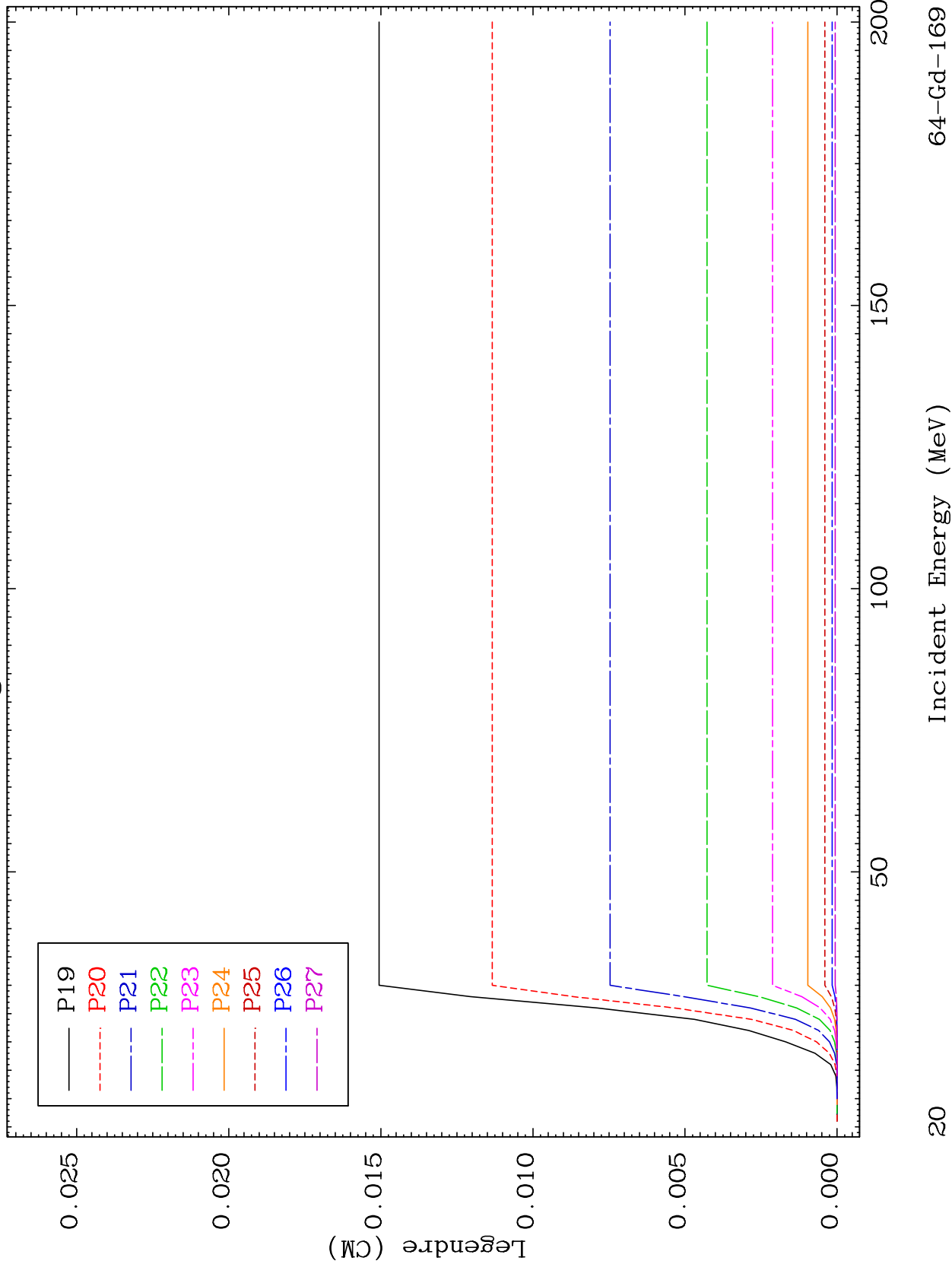
Incident Energy (MeV)

64-Gd-169

MAT 6476

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

64-Gd-169



64-Gd-169

Incident Energy (MeV)

20

MAT 6476

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

64-Gd-169

