

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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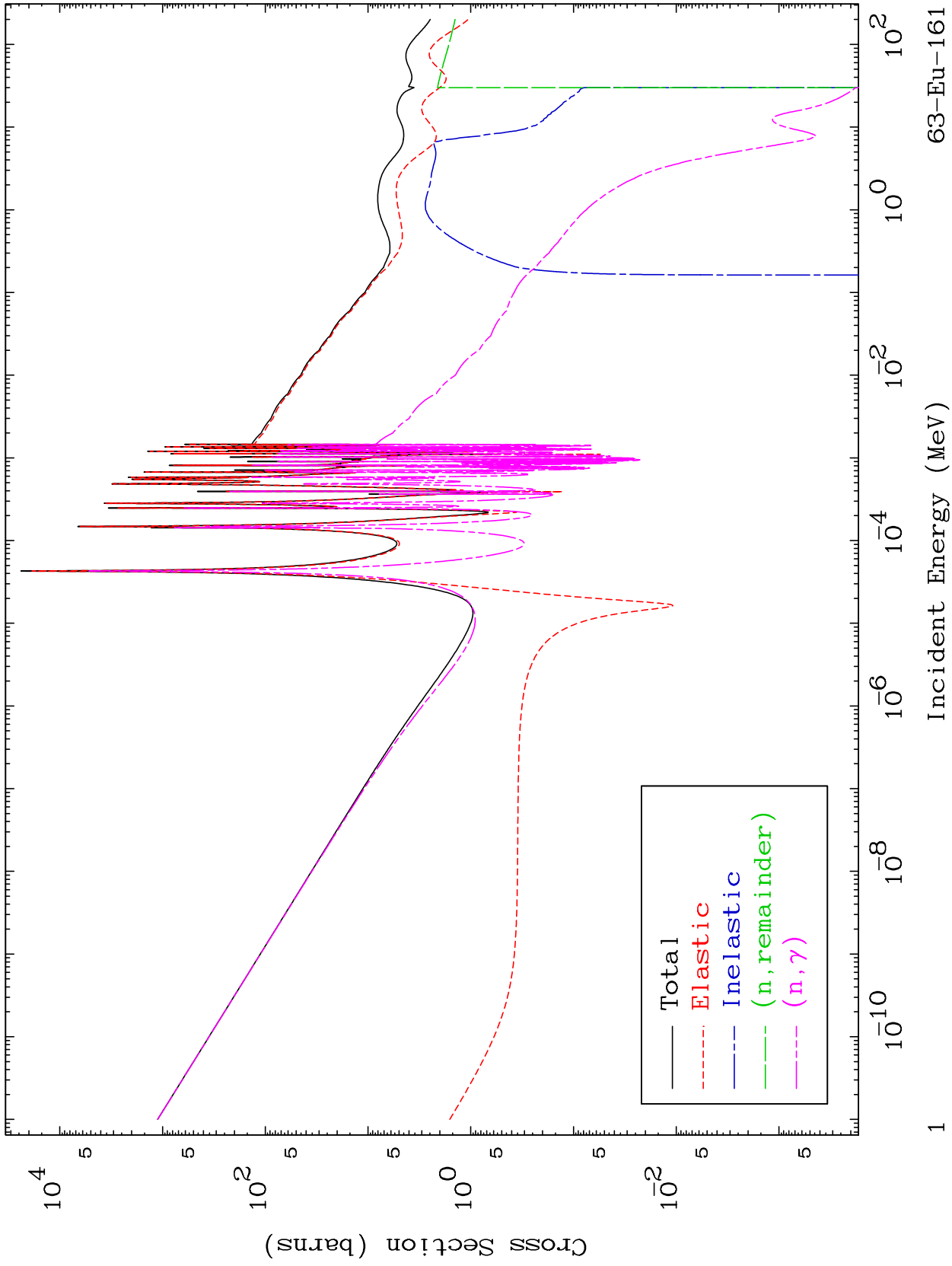
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6355

Major  
293 Kelvin Cross Sections

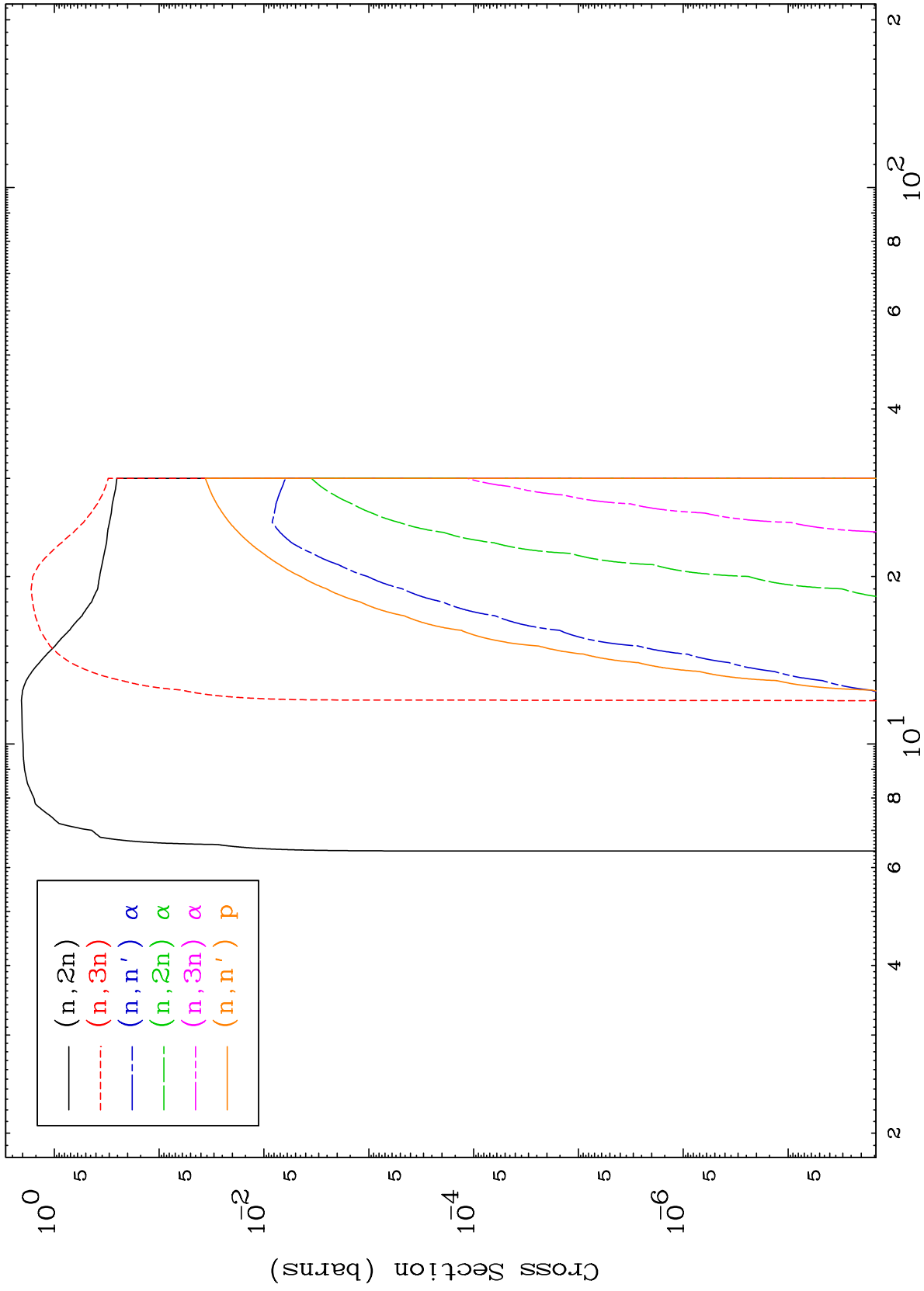
63-Eu-161



MAT 6355

Neutron Production  
293 Kelvin Cross Sections

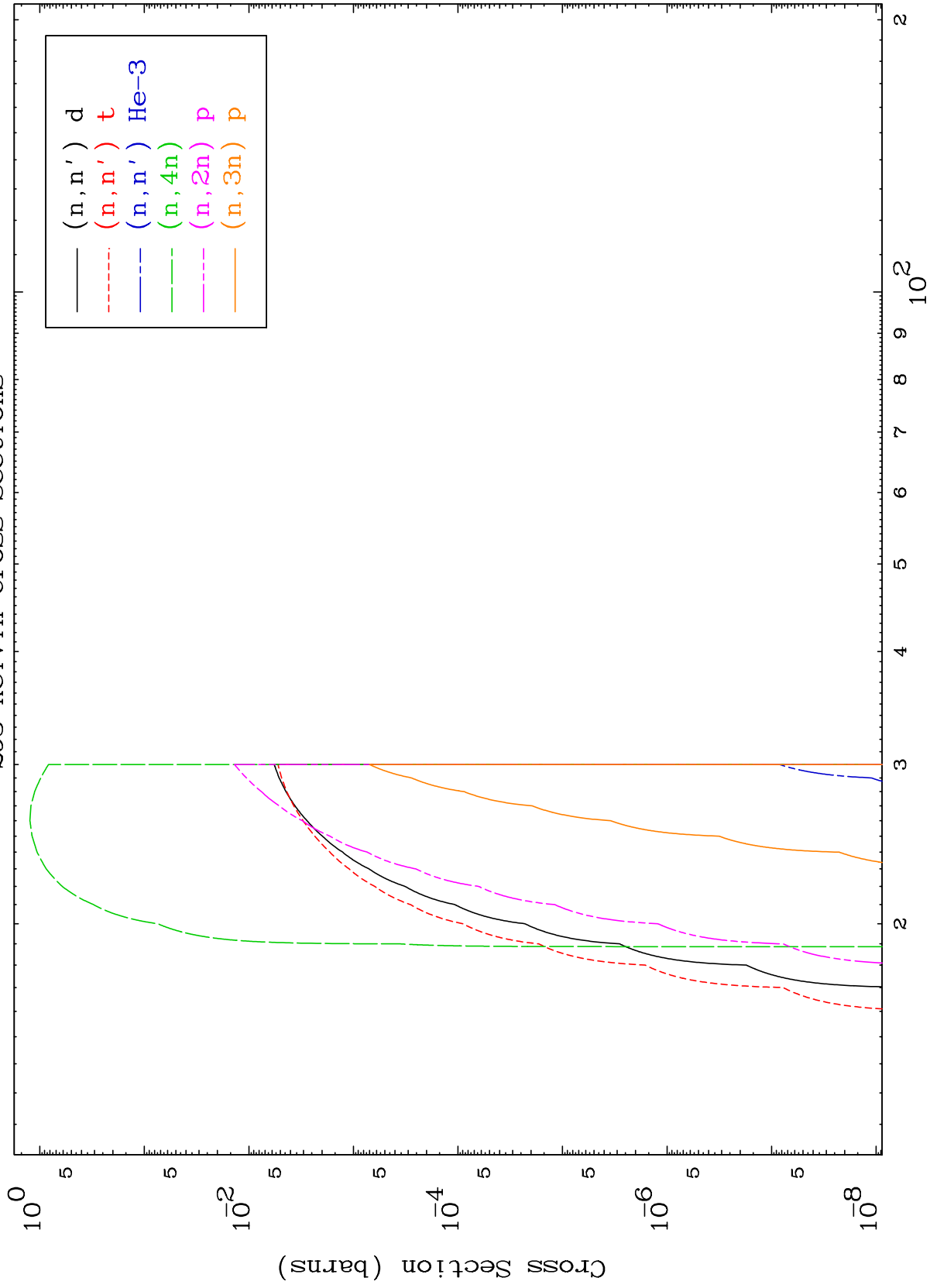
63-Eu-161

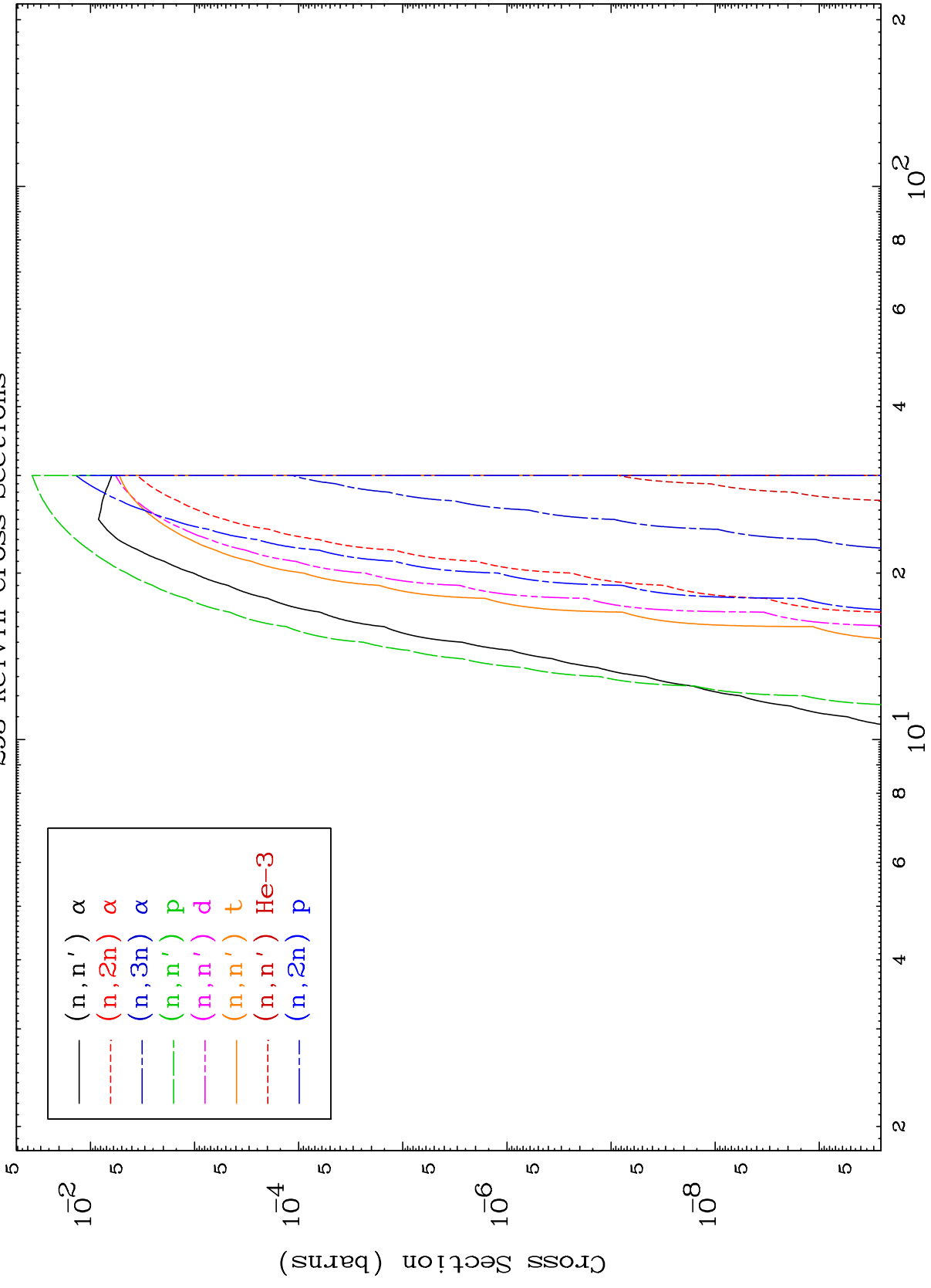


2

Incident Energy (MeV)

63-Eu-161

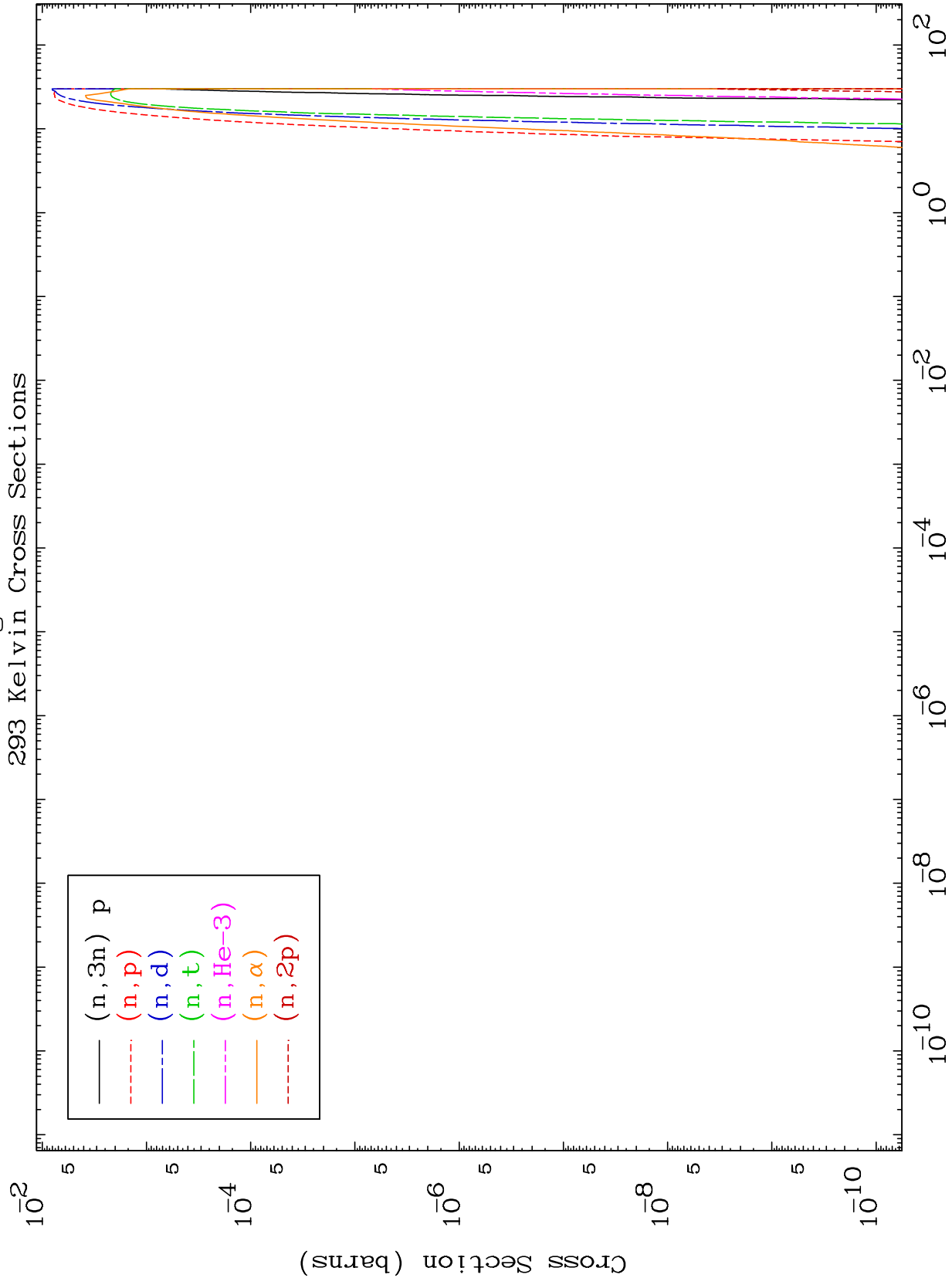




MAT 6355

293 Kelvin Cross Sections

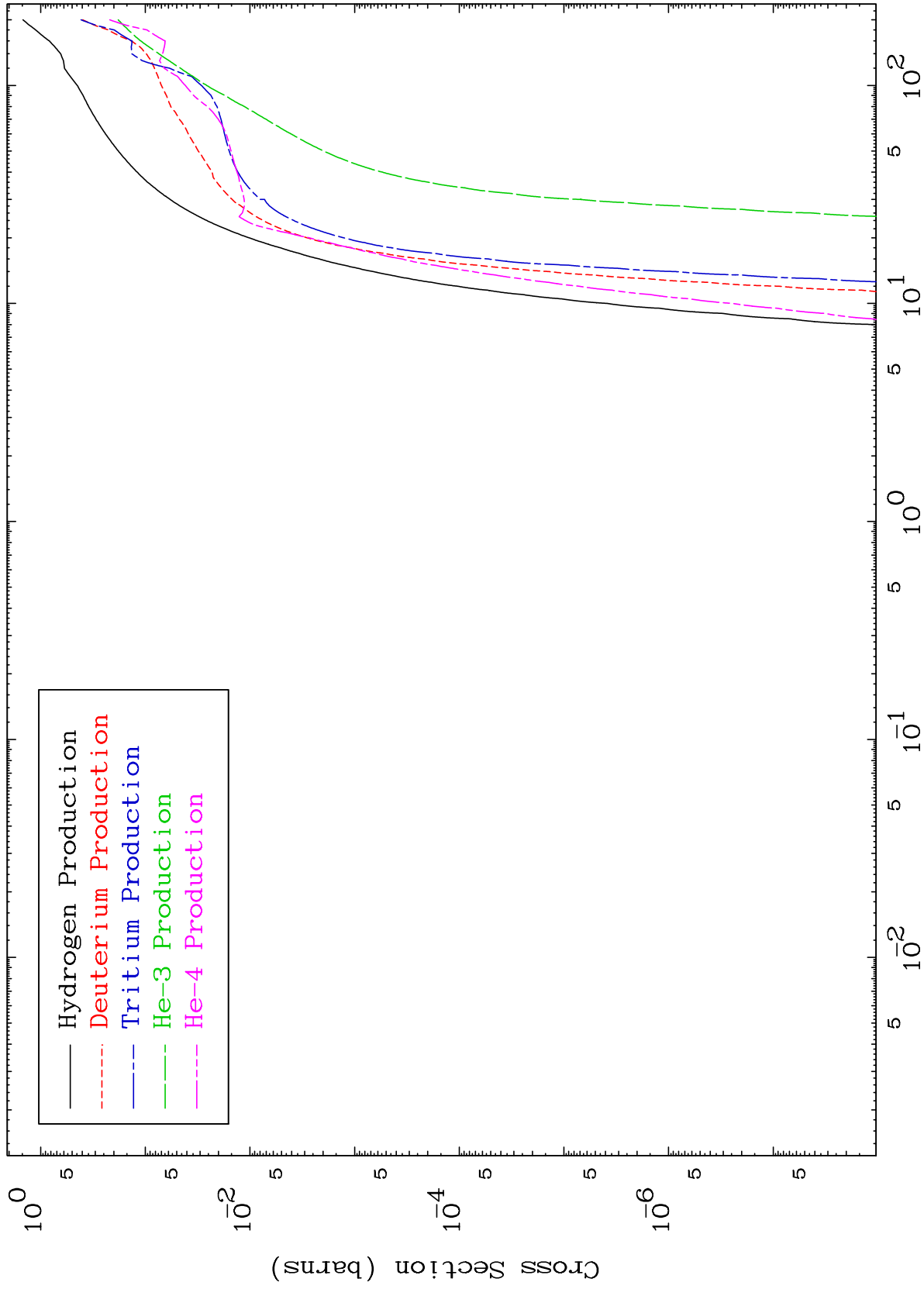
63-Eu-161



MAT 6355

Particle Production  
293 Kelvin Cross Sections

63-Eu-161



6

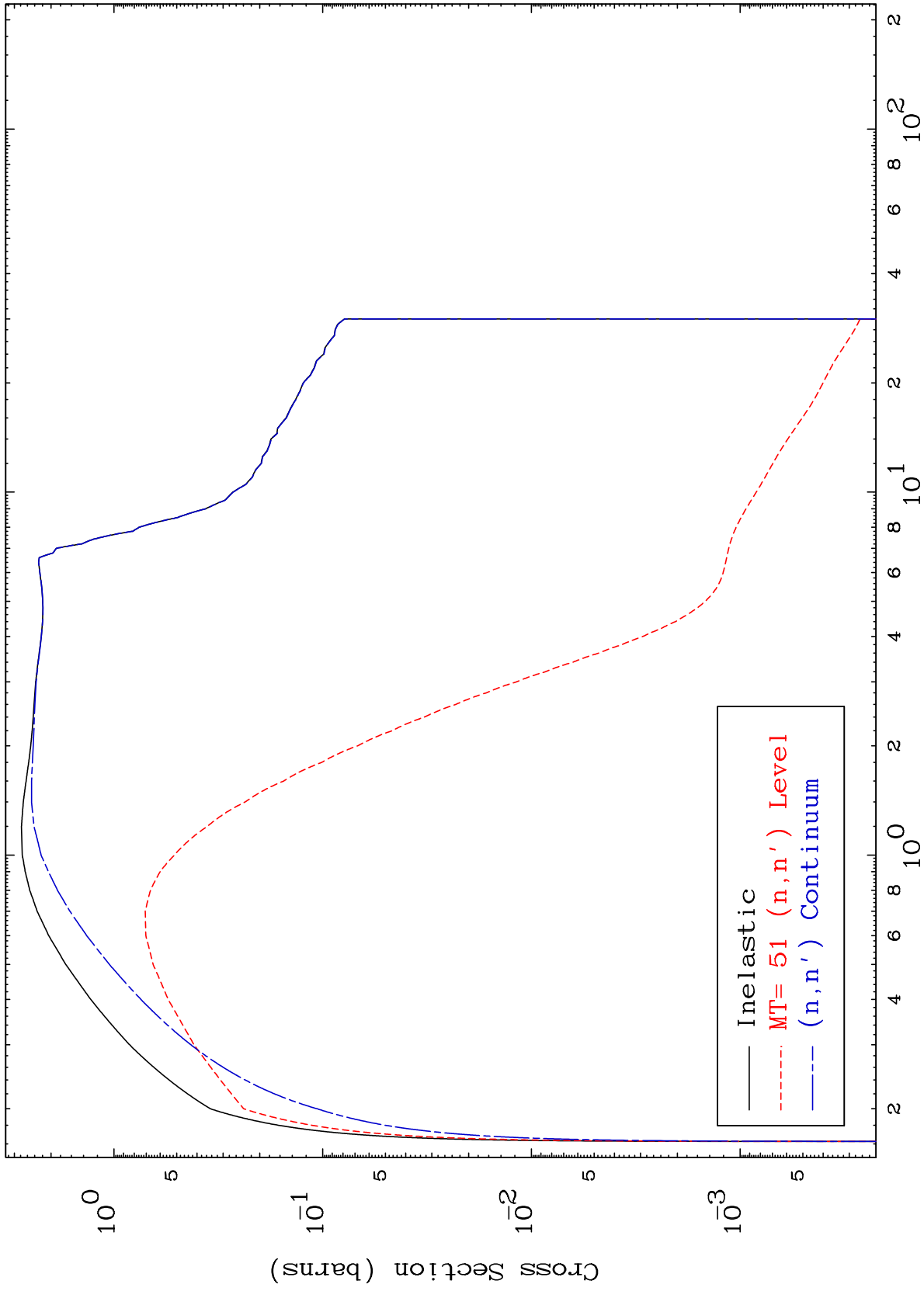
Incident Energy (MeV)

63-Eu-161

MAT 6355

63-Eu-161

(n,n') Level  
293 Kelvin Cross Sections



7

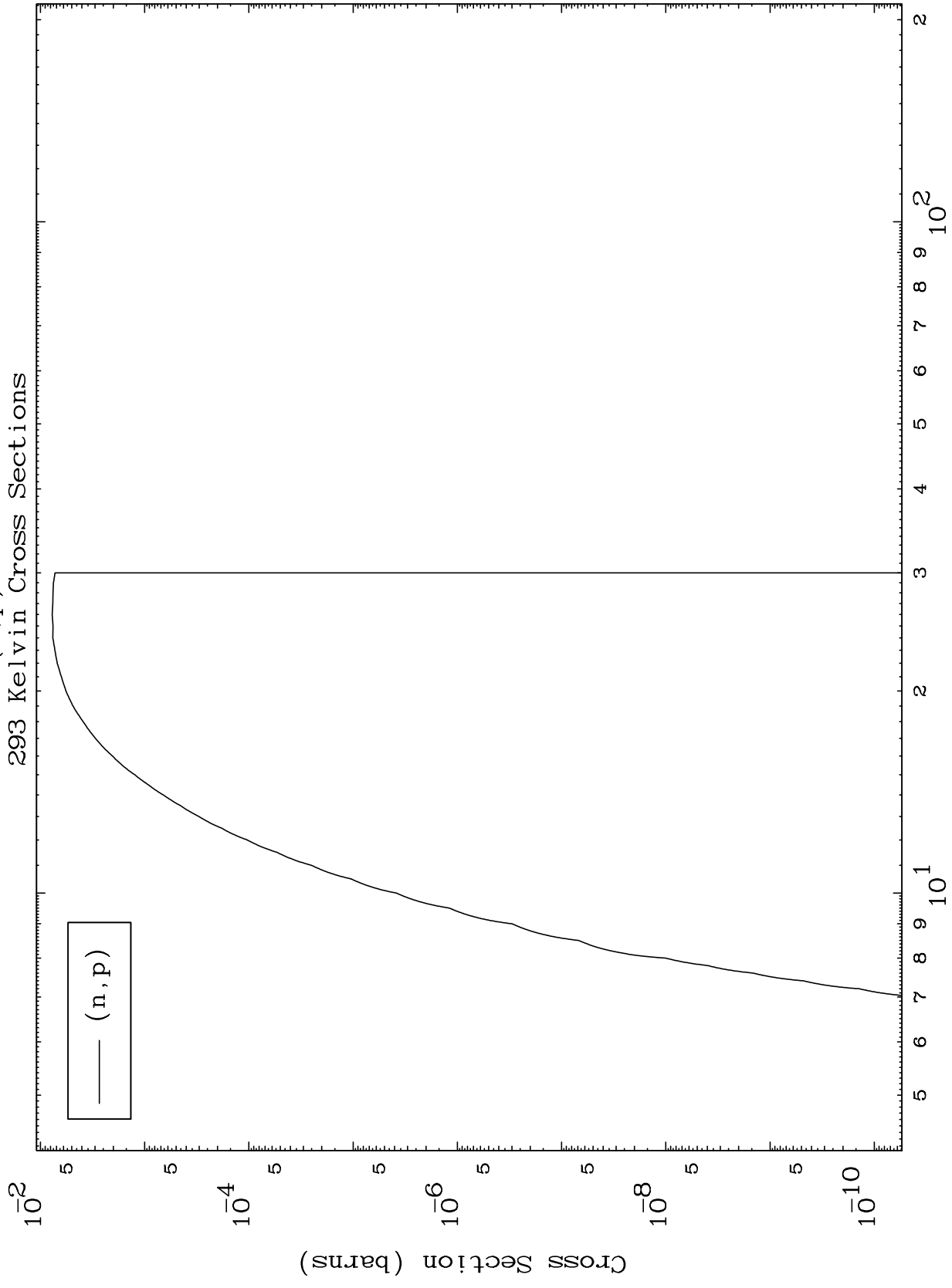
63-Eu-161



MAT 6355

(n,p) Levels  
293 Kelvin Cross Sections

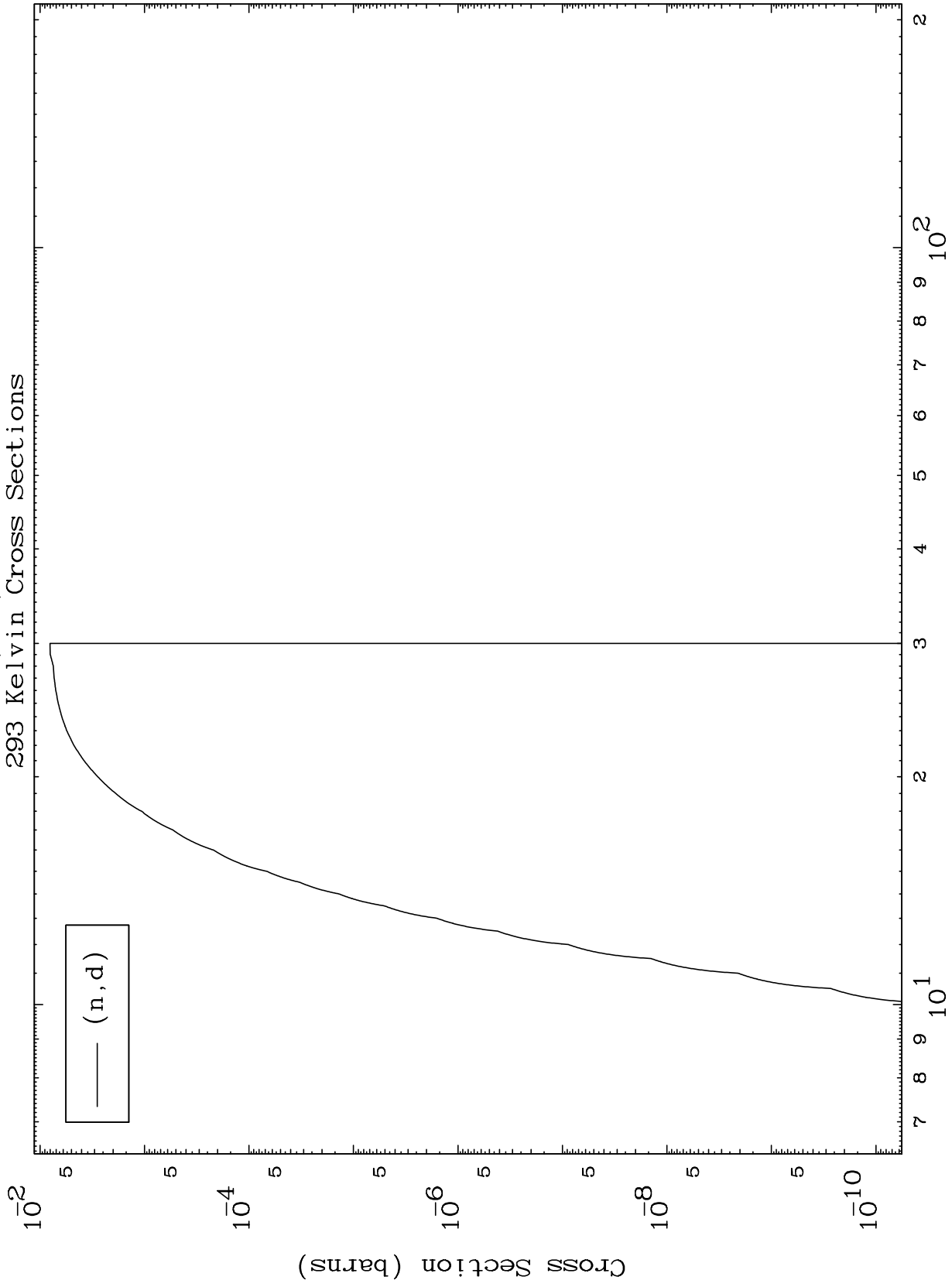
63-Eu-161



MAT 6355

(n,d) Levels  
293 Kelvin Cross Sections

63-Eu-161



9

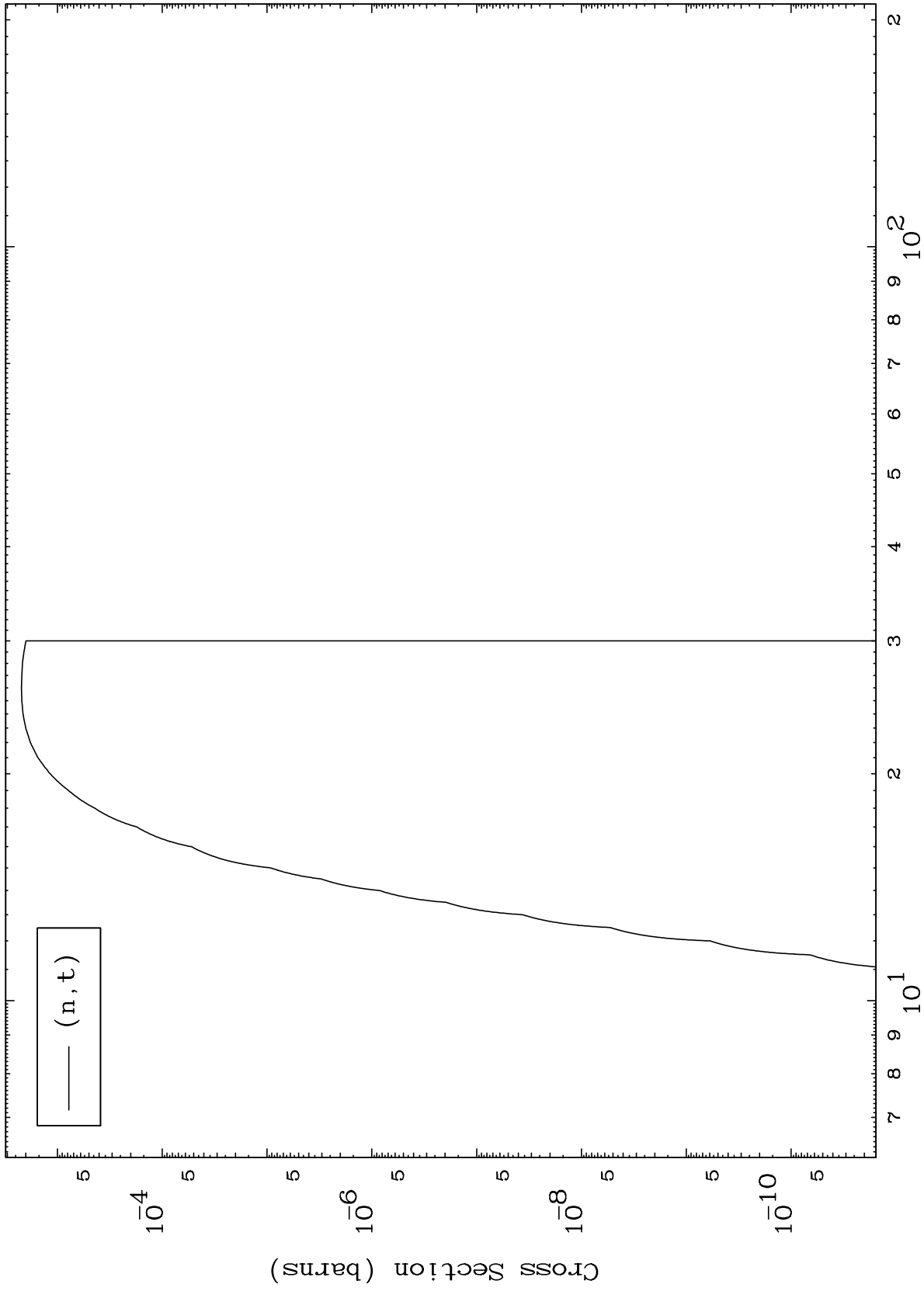
Incident Energy (MeV)

63-Eu-161

MAT 6355

(n,t) Levels  
293 Kelvin Cross Sections

63-Eu-161



10

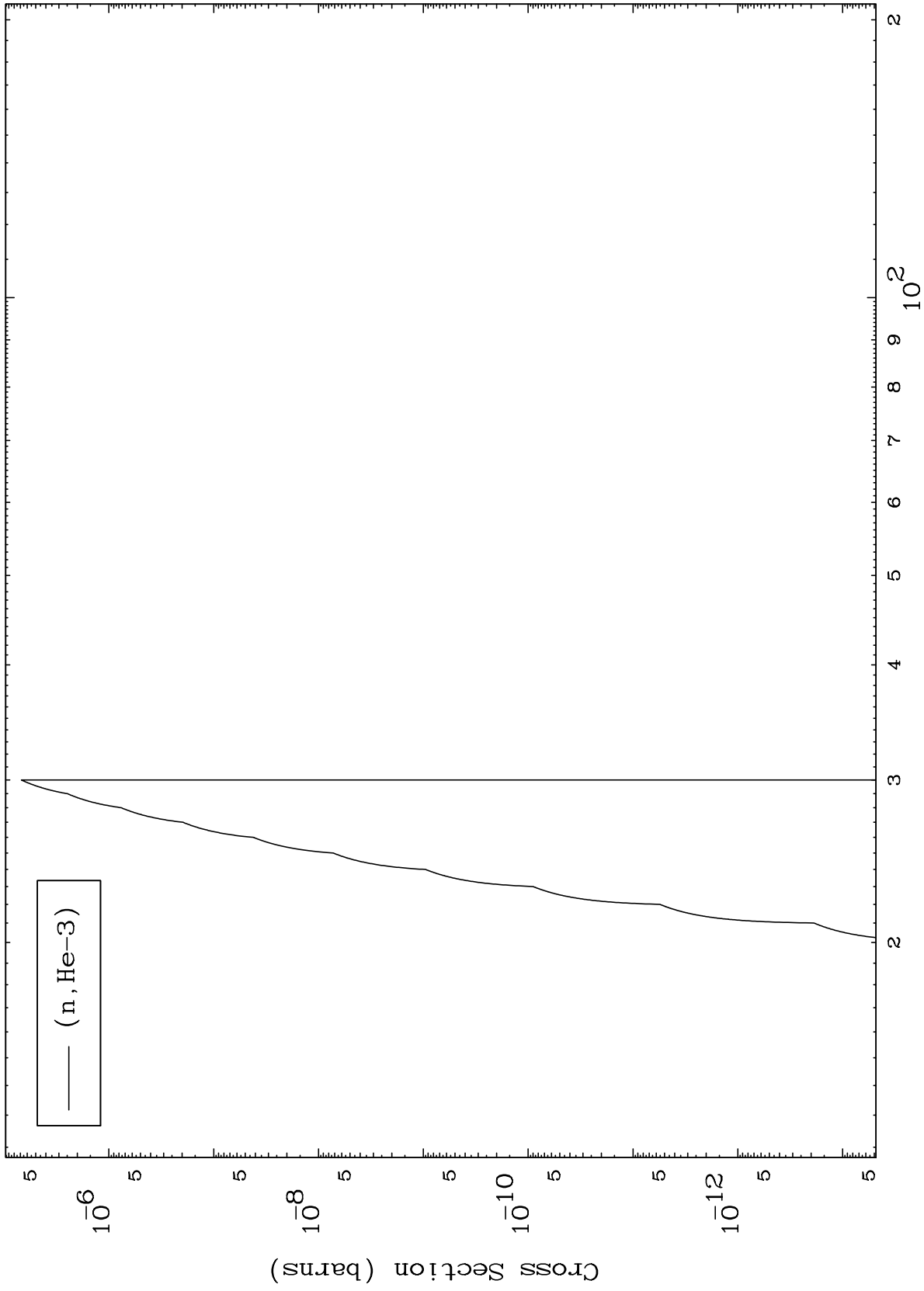
Incident Energy (MeV)

63-Eu-161

MAT 6355

(n,He3) Levels  
293 Kelvin Cross Sections

63-Eu-161



11

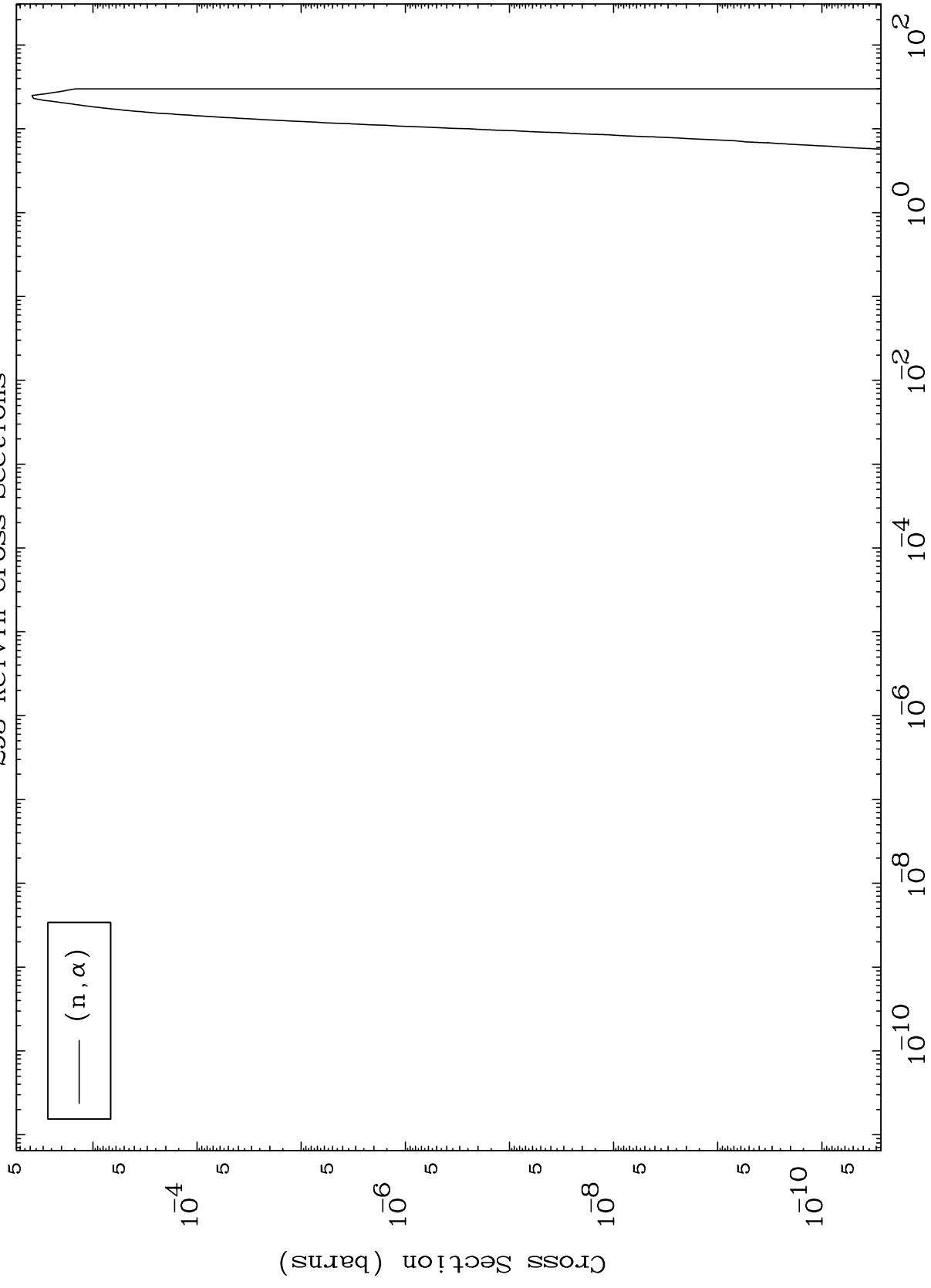
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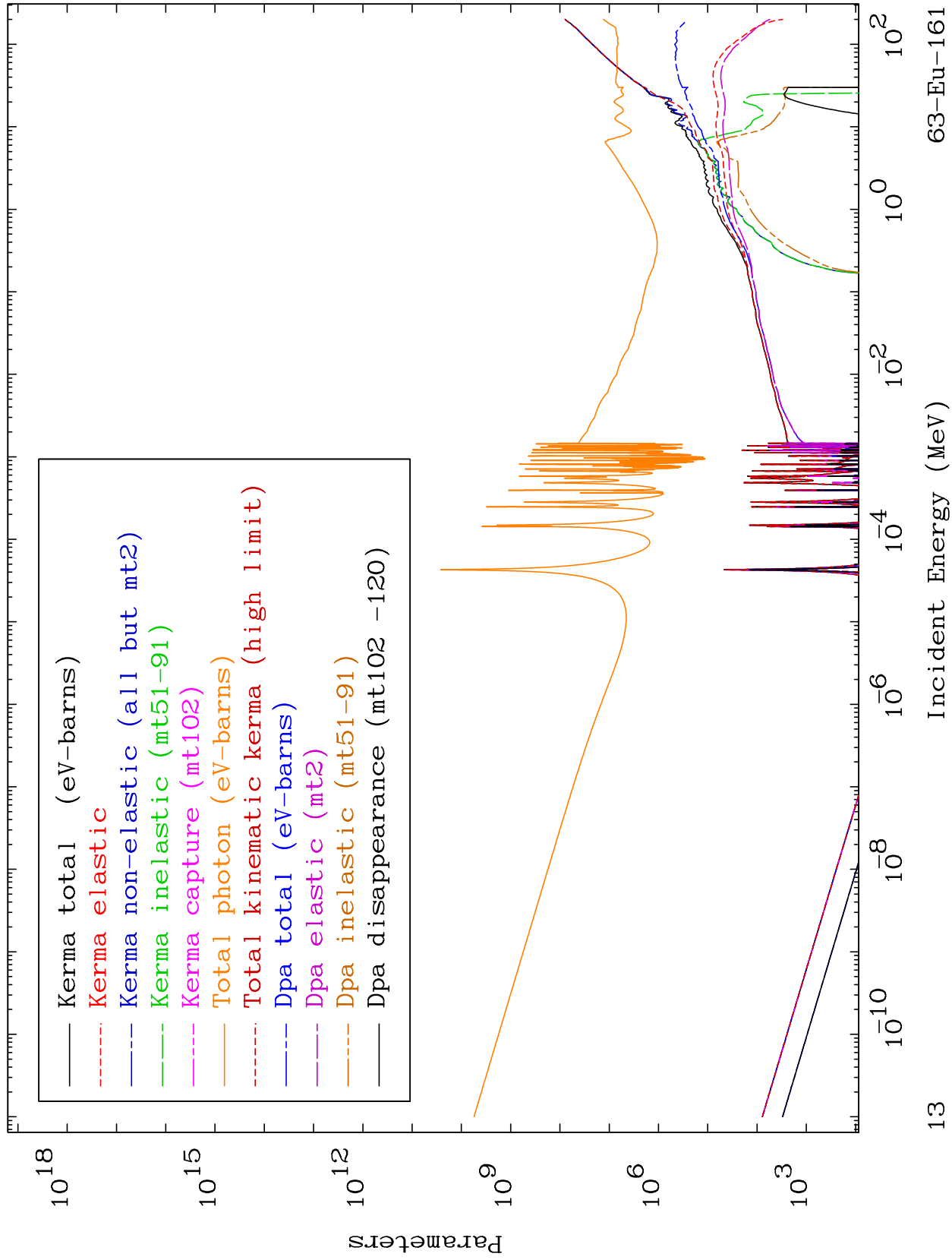
63-Eu-161

MAT 6355

(n,α) Levels  
293 Kelvin Cross Sections

63-Eu-161

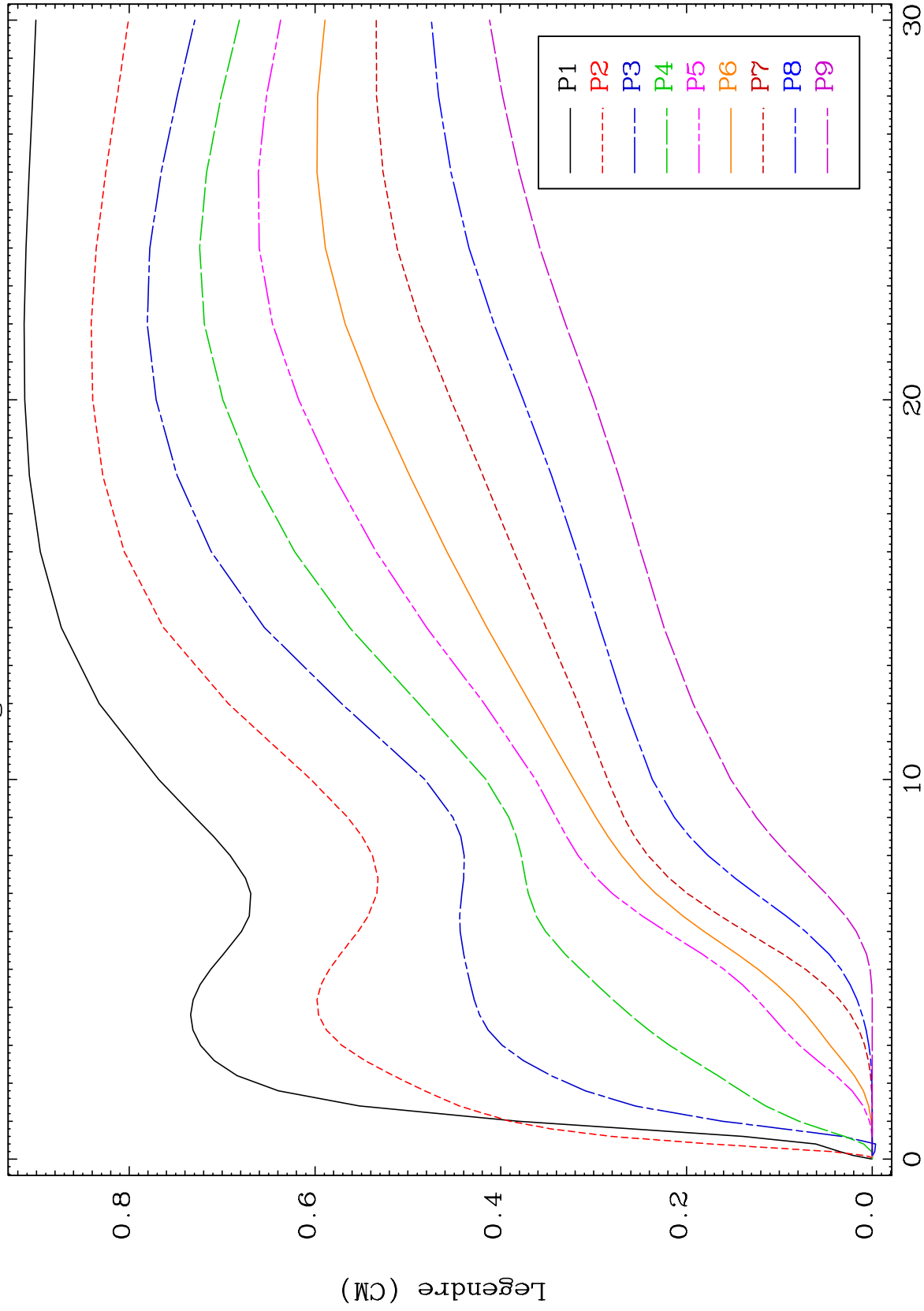




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Elastic Legendre Coefficients

63-Eu-161



14

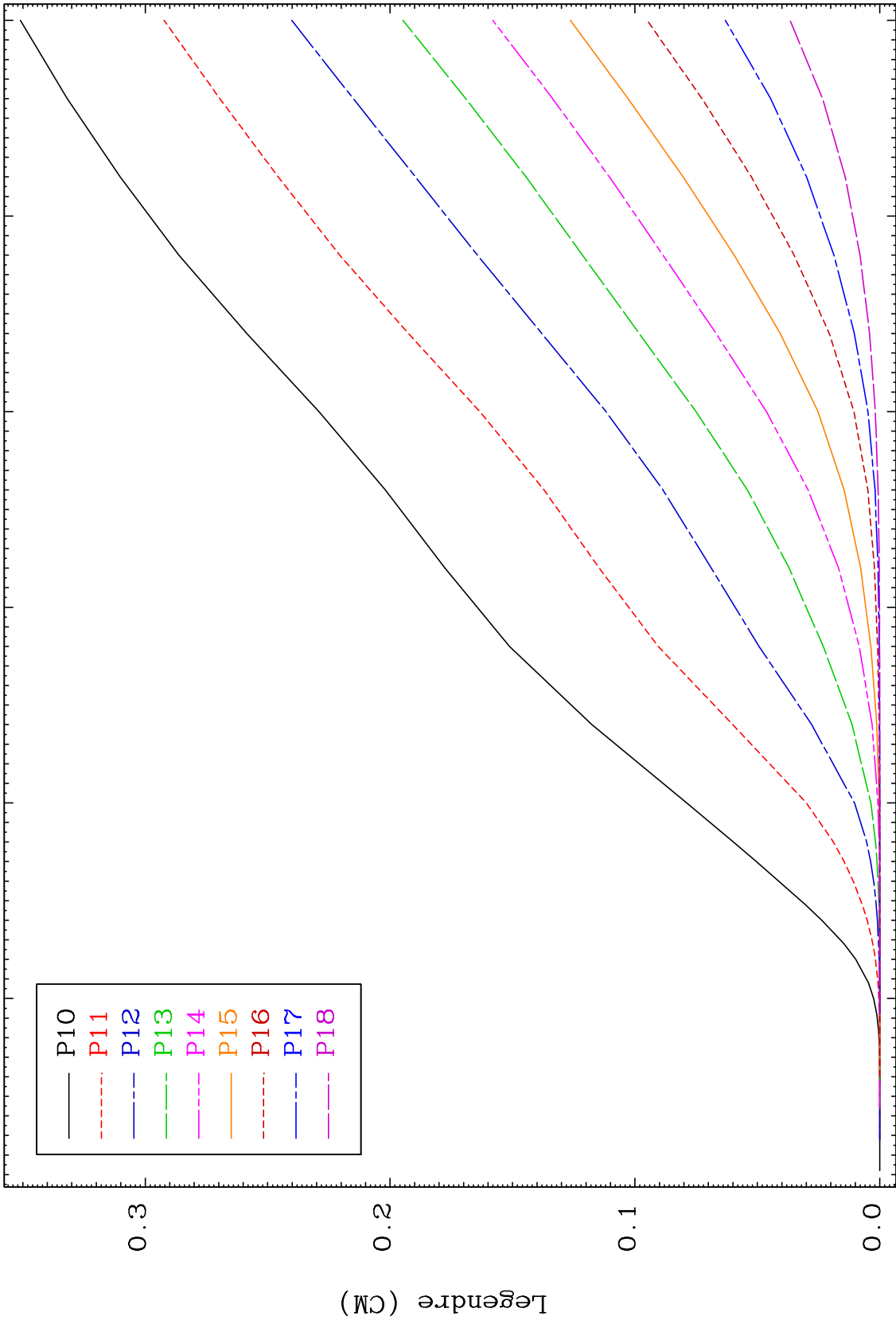
Incident Energy (MeV)

63-Eu-161

MAT 6355

Elastic Legendre Coefficients

63-Eu-161



15

Incident Energy (MeV)

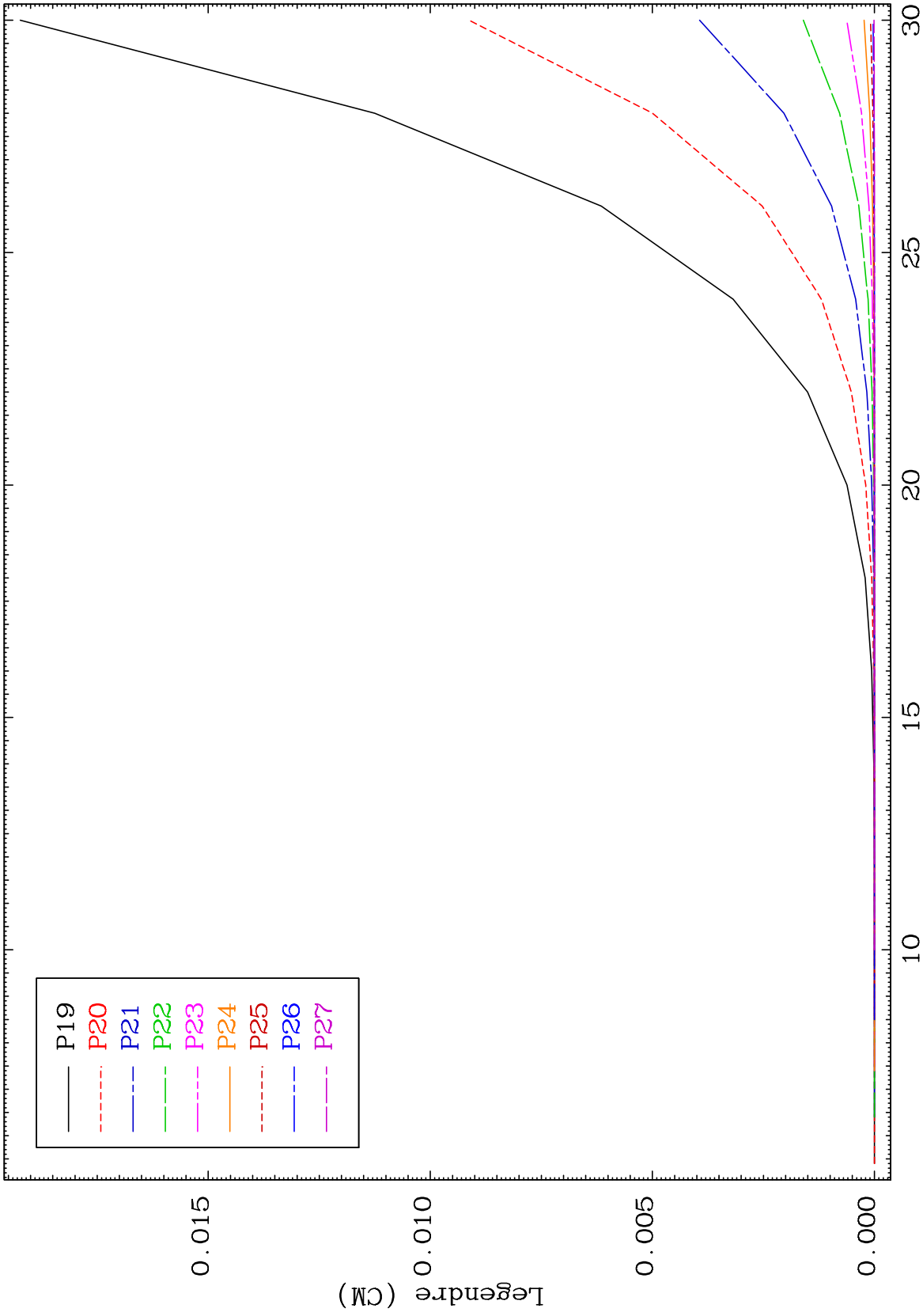
63-Eu-161



MAT 6355

### Elastic Legendre Coefficients

63-Eu-161



16

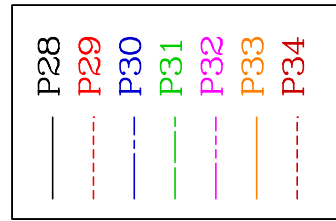
Incident Energy (MeV)

63-Eu-161

MAT 6355

Elastic Legendre Coefficients

63-Eu-161



$\times 10^{-6}$

Legendre (CM)

3

2

1

0

10

15

20

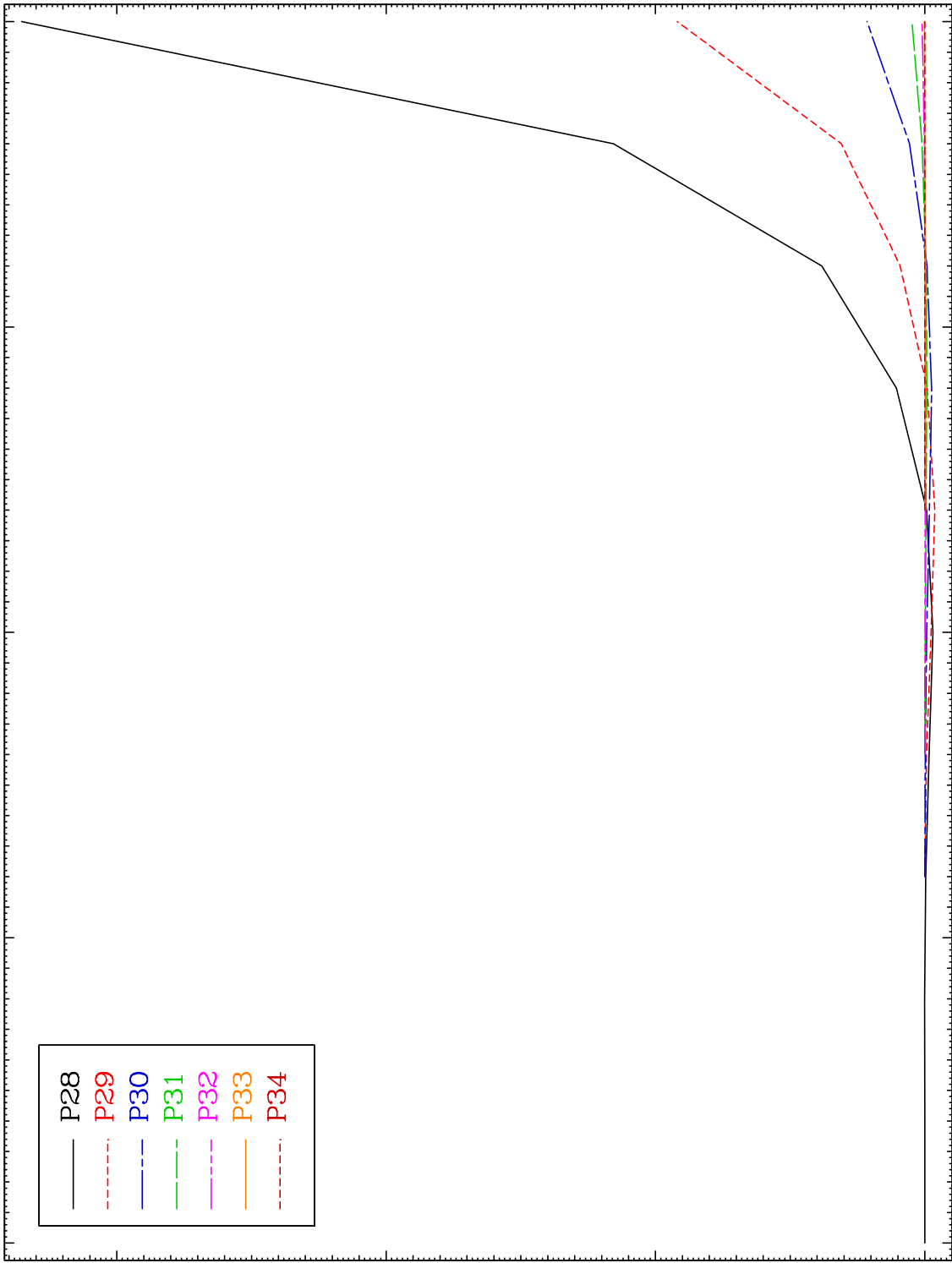
25

30

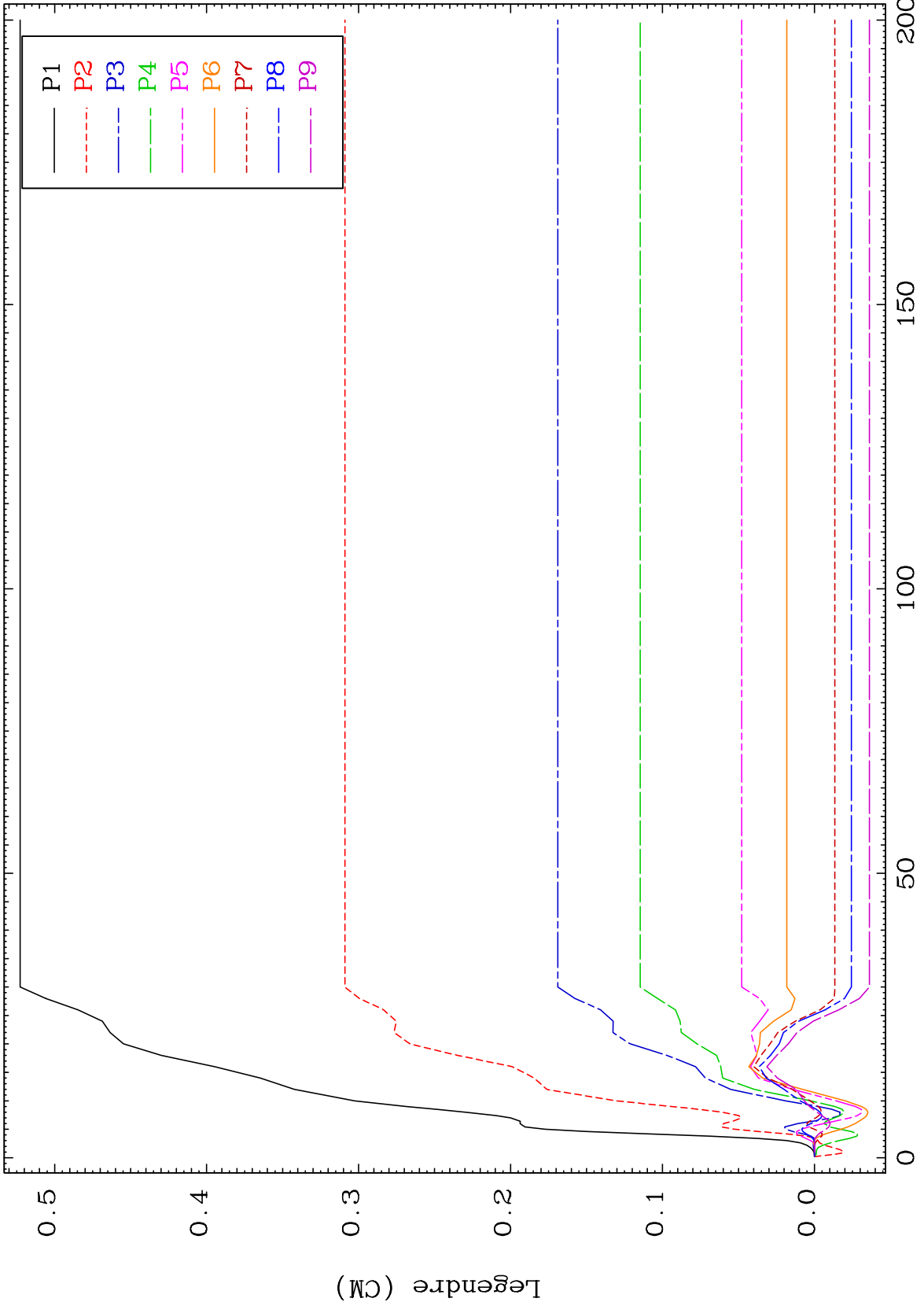
17

Incident Energy (MeV)

63-Eu-161



MAT 6355 MT= 51 (n,n') Level Legendre Coefficients 63-Eu-161

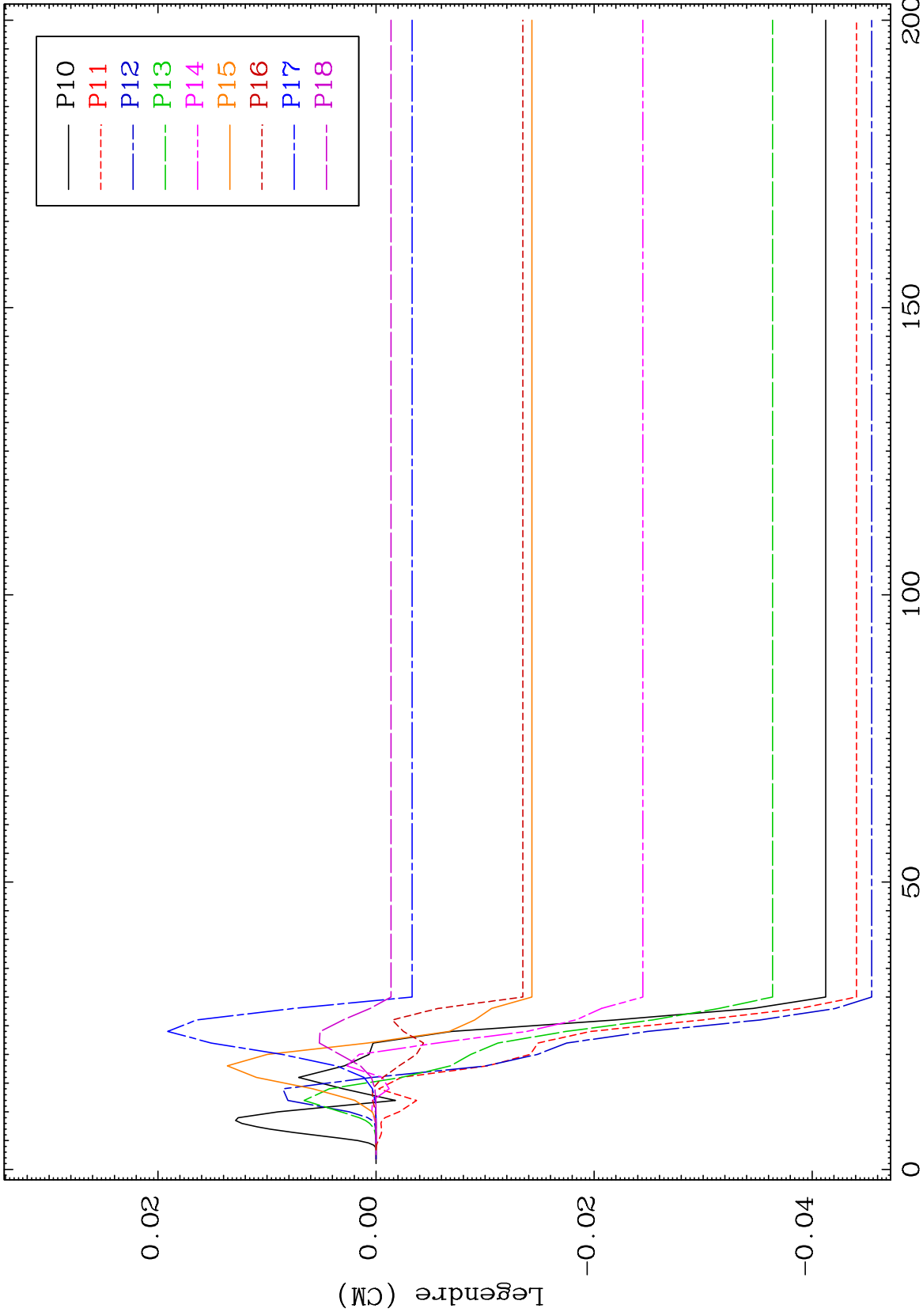


18 Incident Energy (MeV) 63-Eu-161

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

63-Eu-161



19

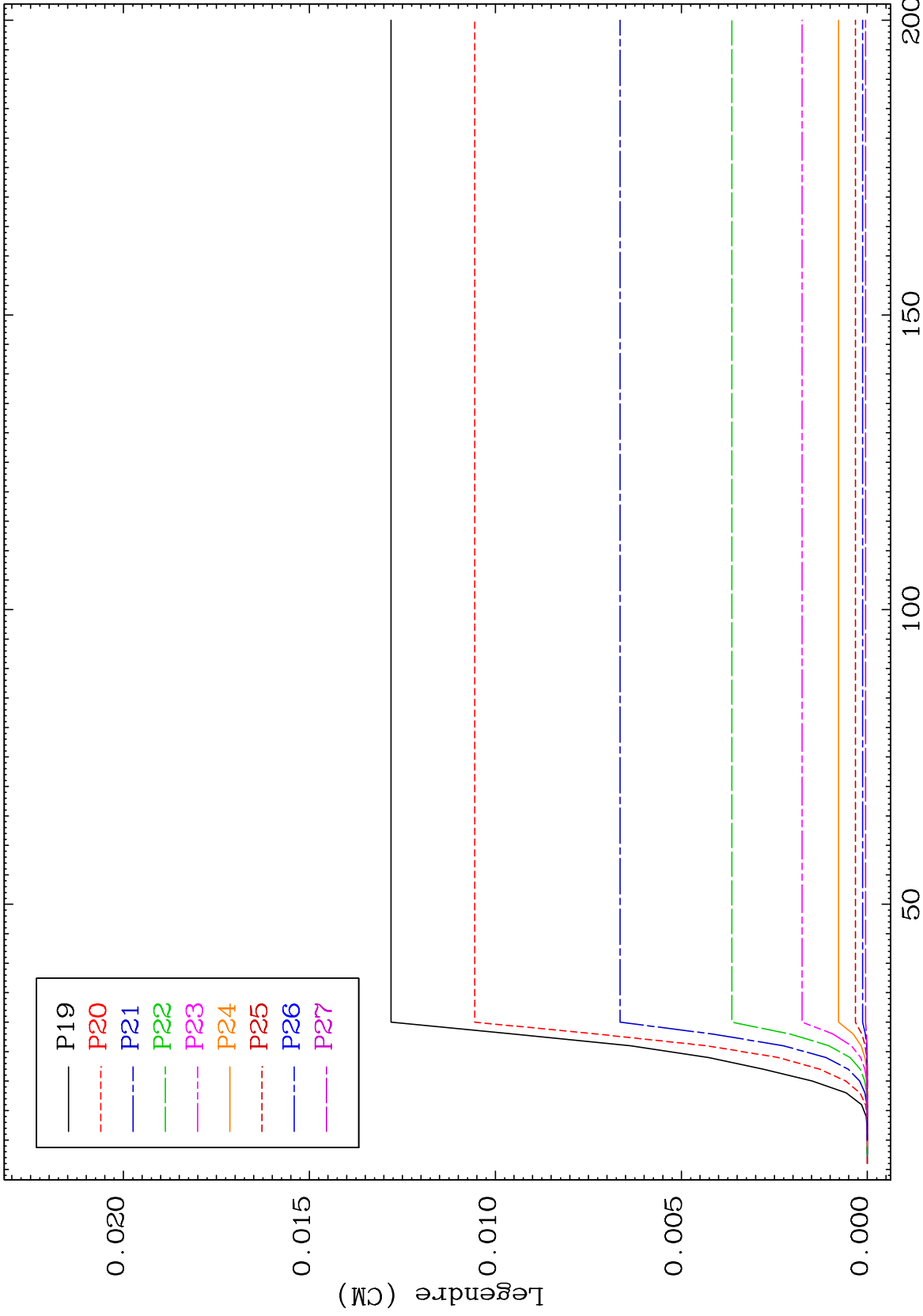
Incident Energy (MeV)

63-Eu-161

MAT 6355

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

63-Eu-161



20

Incident Energy (MeV)

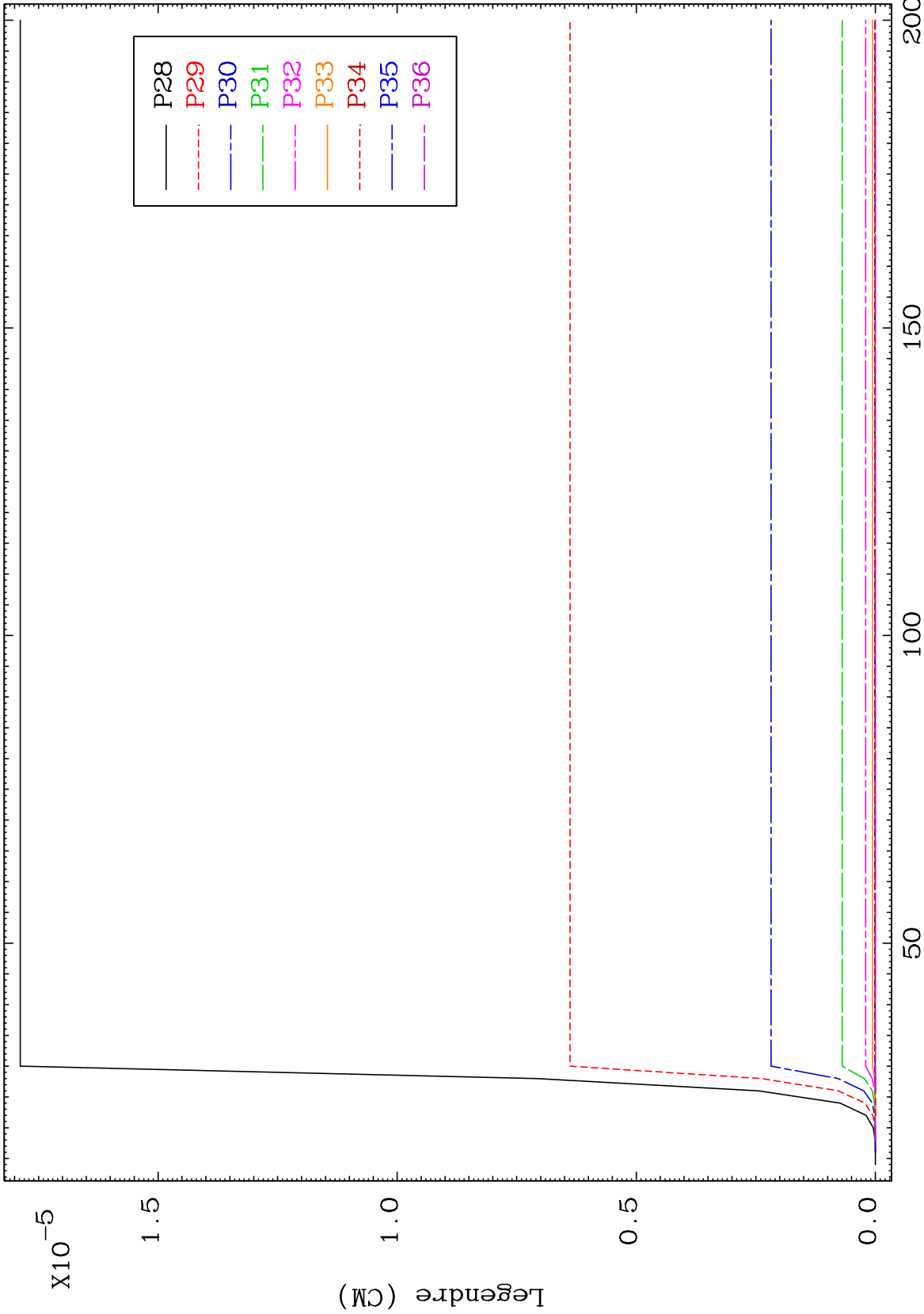
150

63-Eu-161

MAT 6355

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

63-Eu-161



21

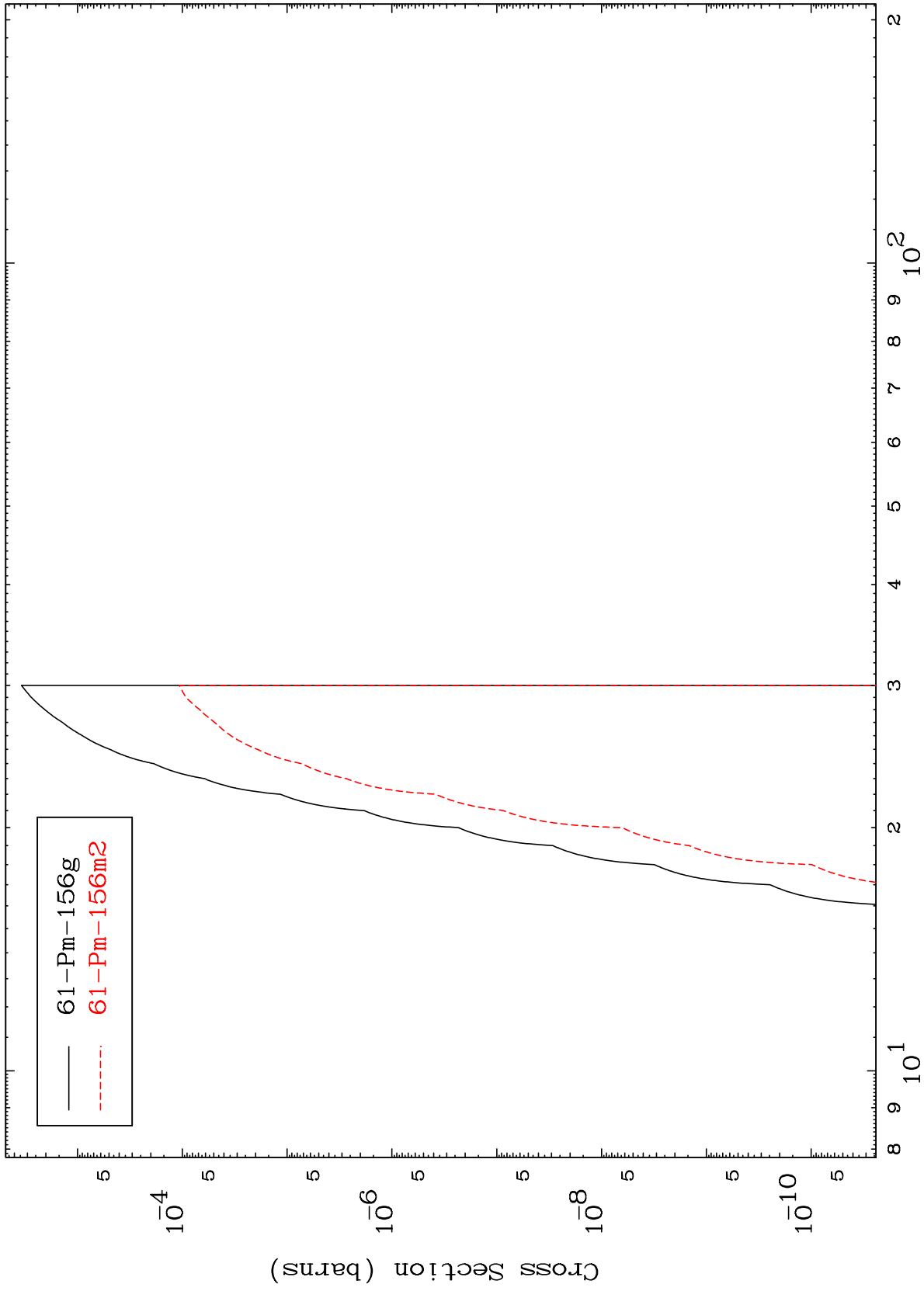
63-Eu-161

MAT 6355

(n,2n)  $\alpha$

63-Eu-161

Radionuclide Production Cross Section



22

Incident Energy (MeV)

63-Eu-161