

Program EVALPLOT
(Version 2015-2)

by

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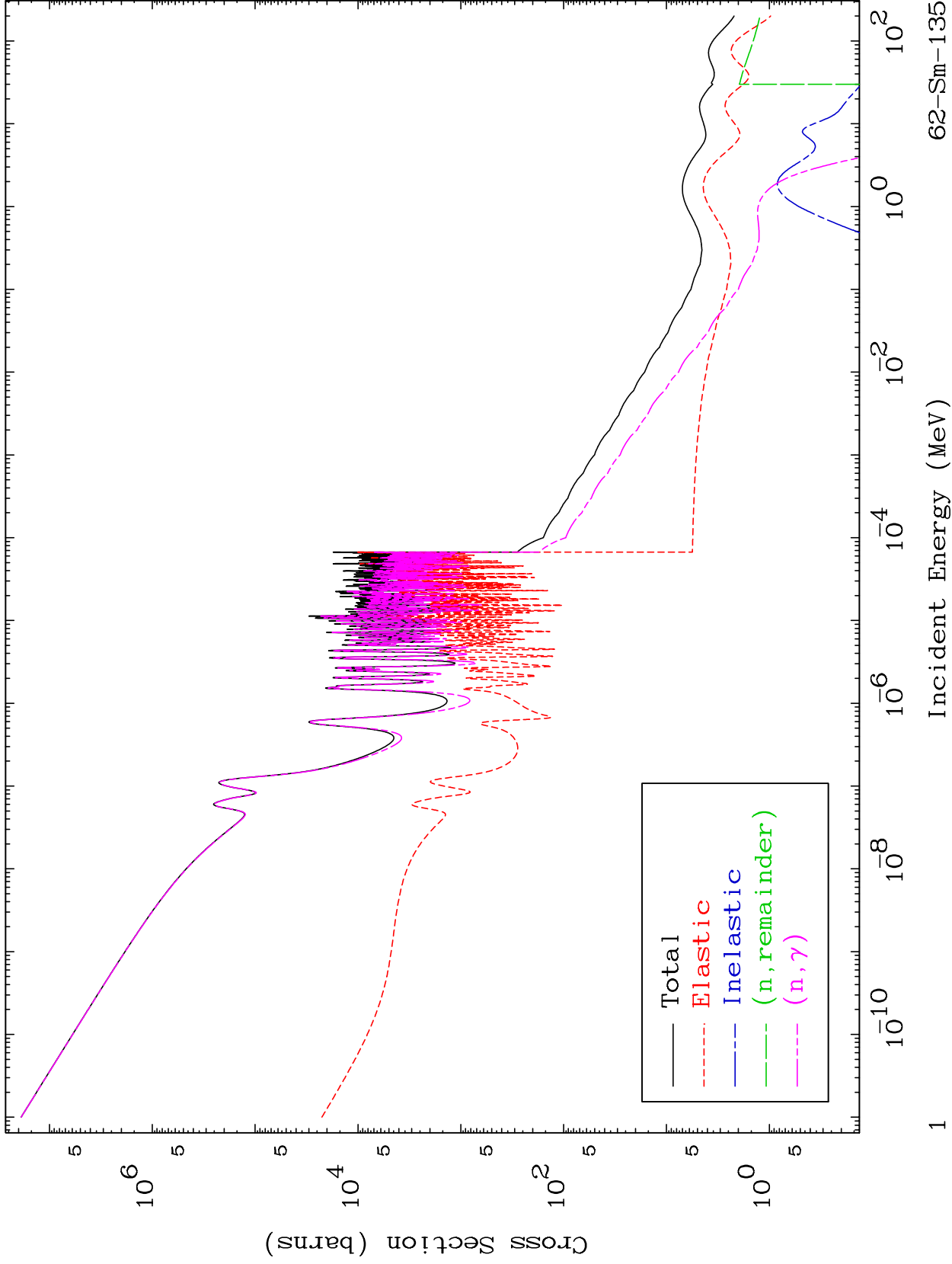
Press Mouse Button to Start

MAT 6198

Major

293 Kelvin Cross Sections

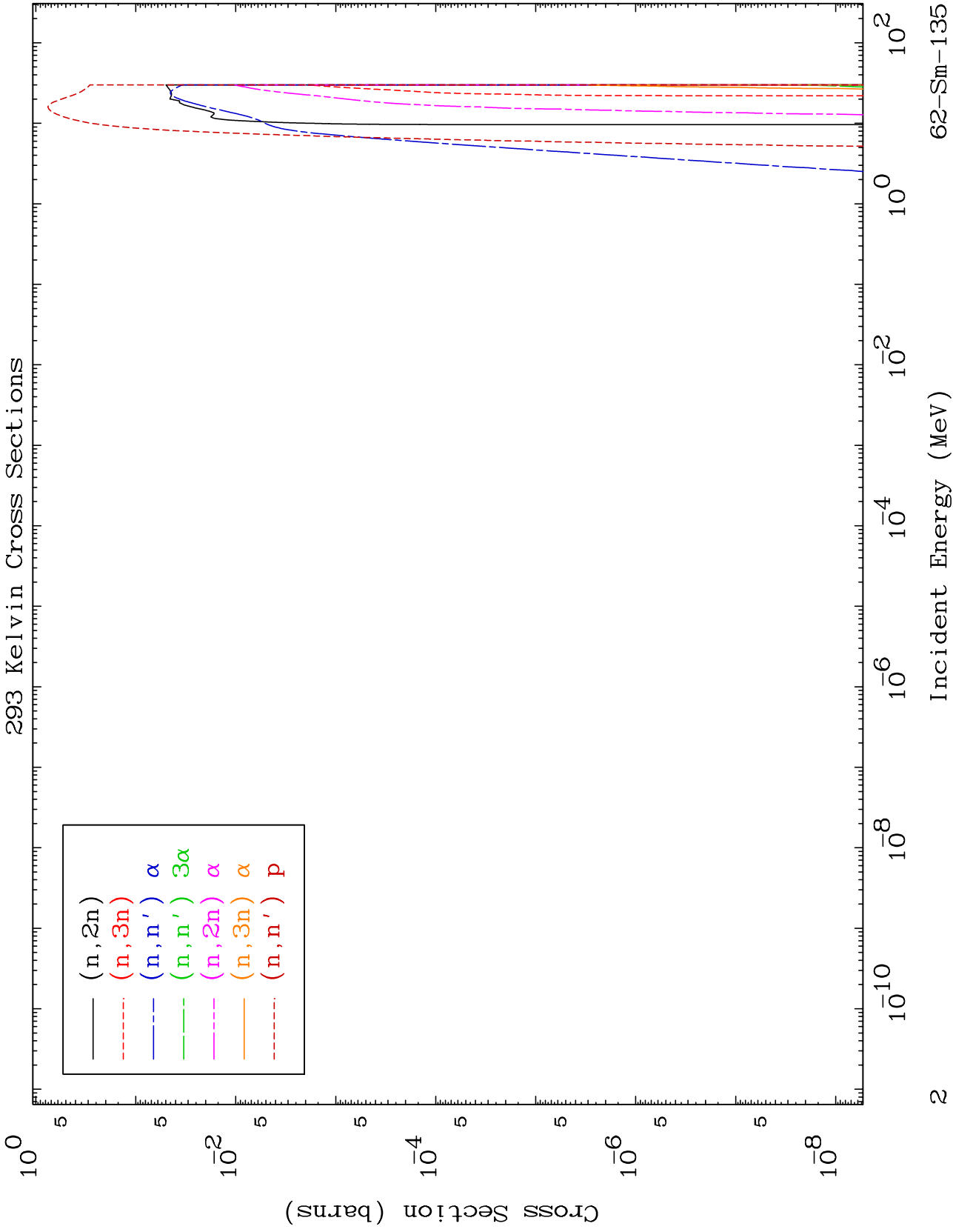
62-Sm-135



MAT 6198

Neutron Production
293 Kelvin Cross Sections

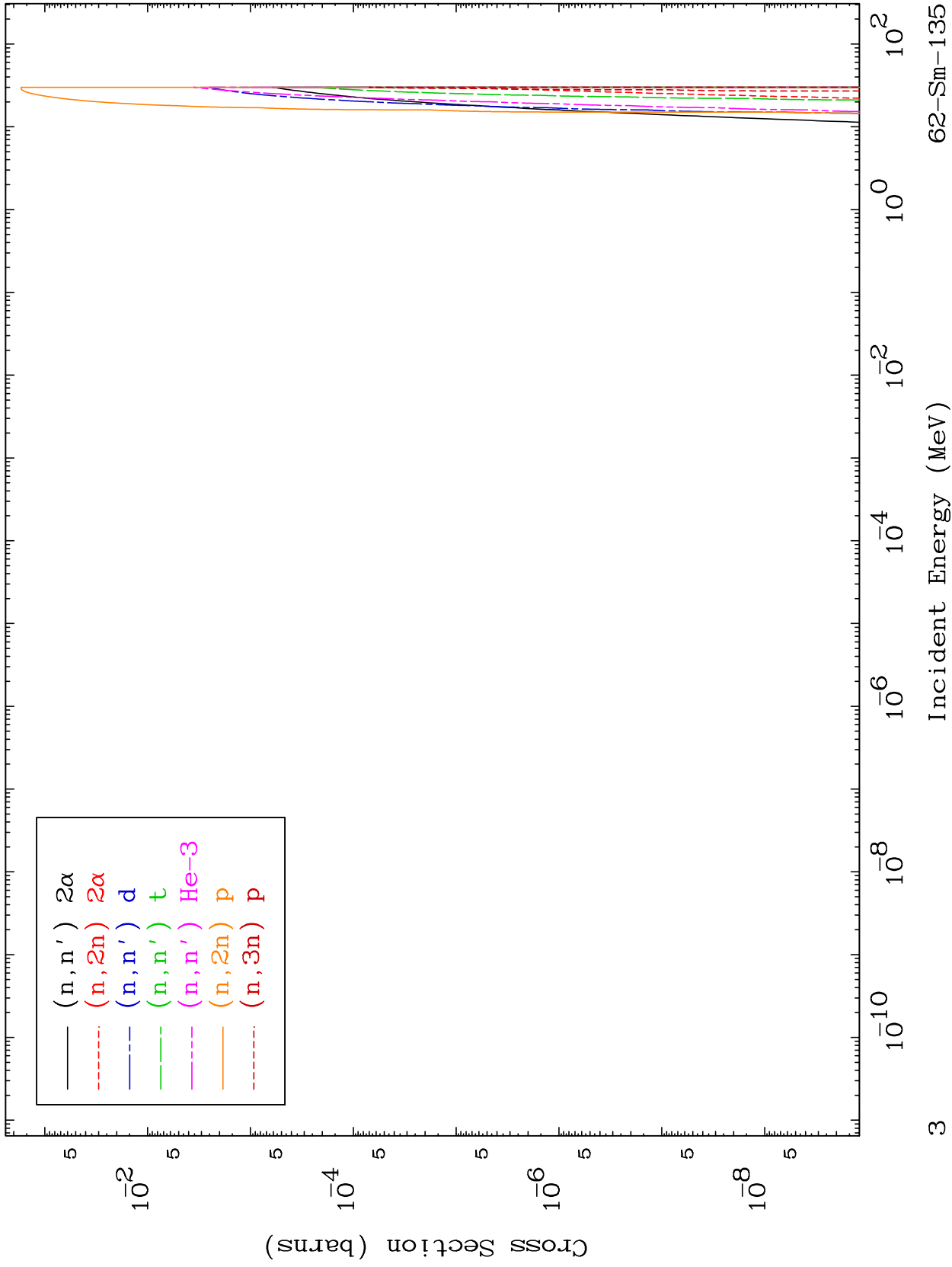
62-Sm-135



MAT 6198

Neutron Production
293 Kelvin Cross Sections

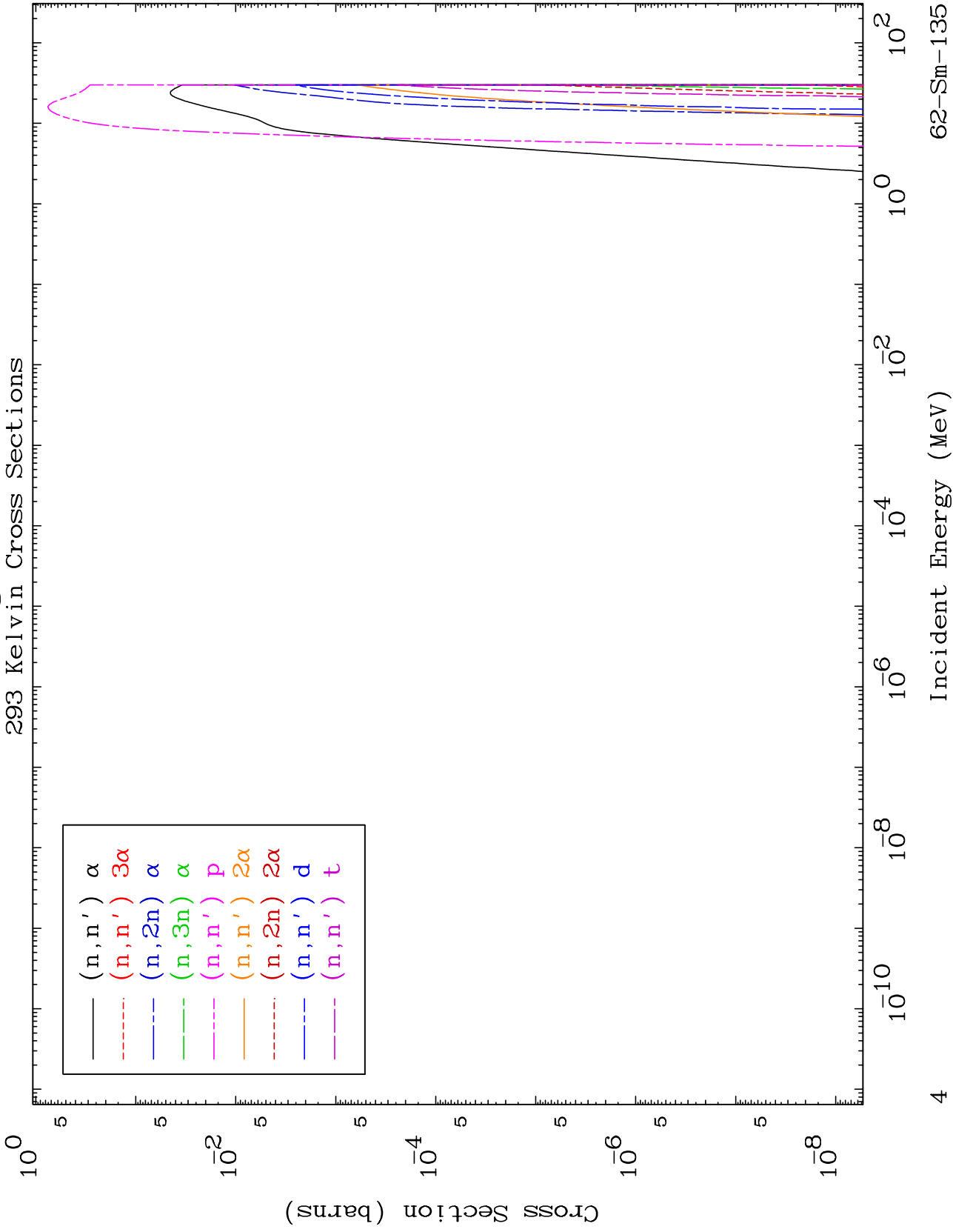
62-Sm-135

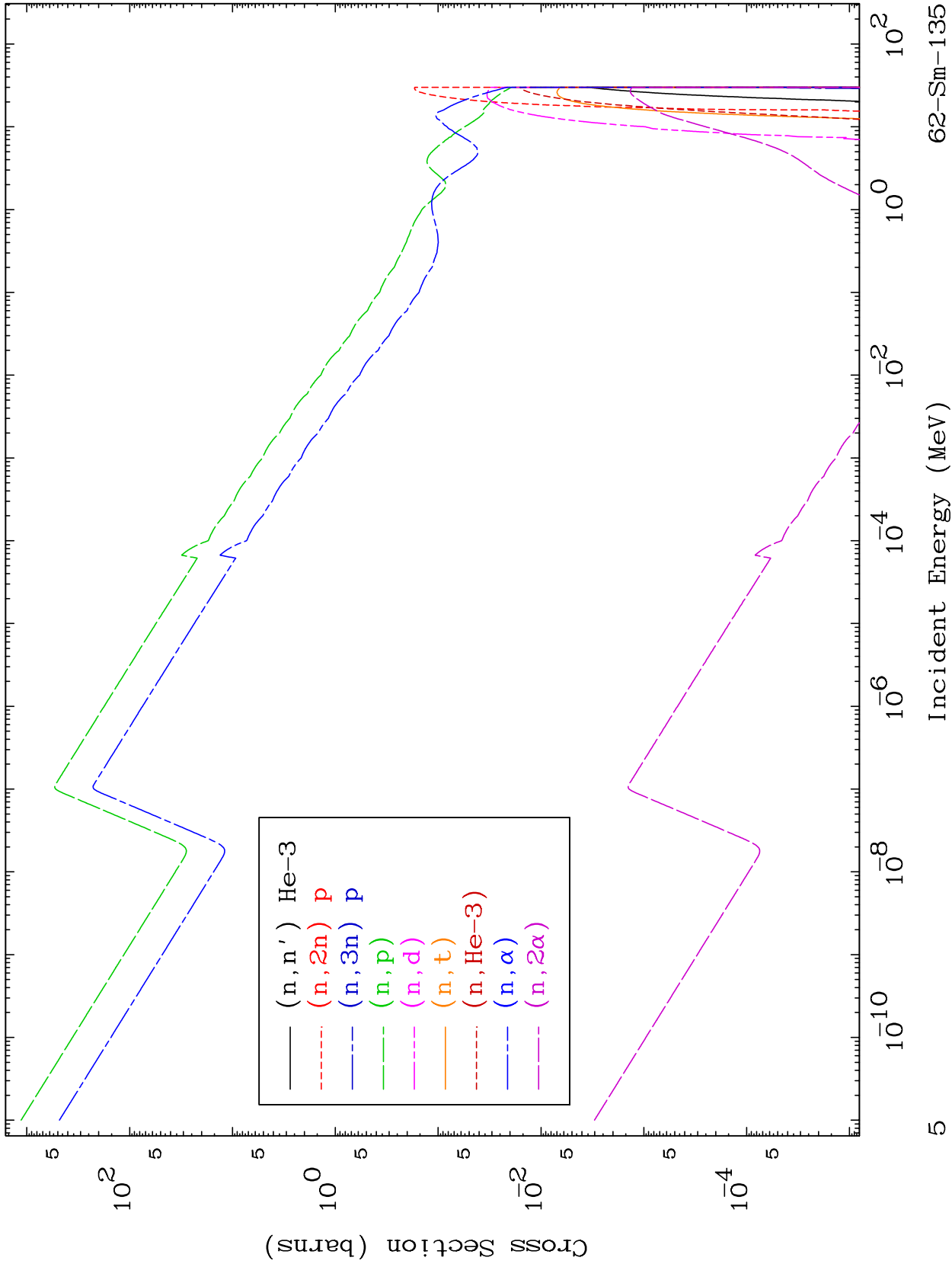


MAT 6198

Charged Particle
293 Kelvin Cross Sections

62-Sm-135

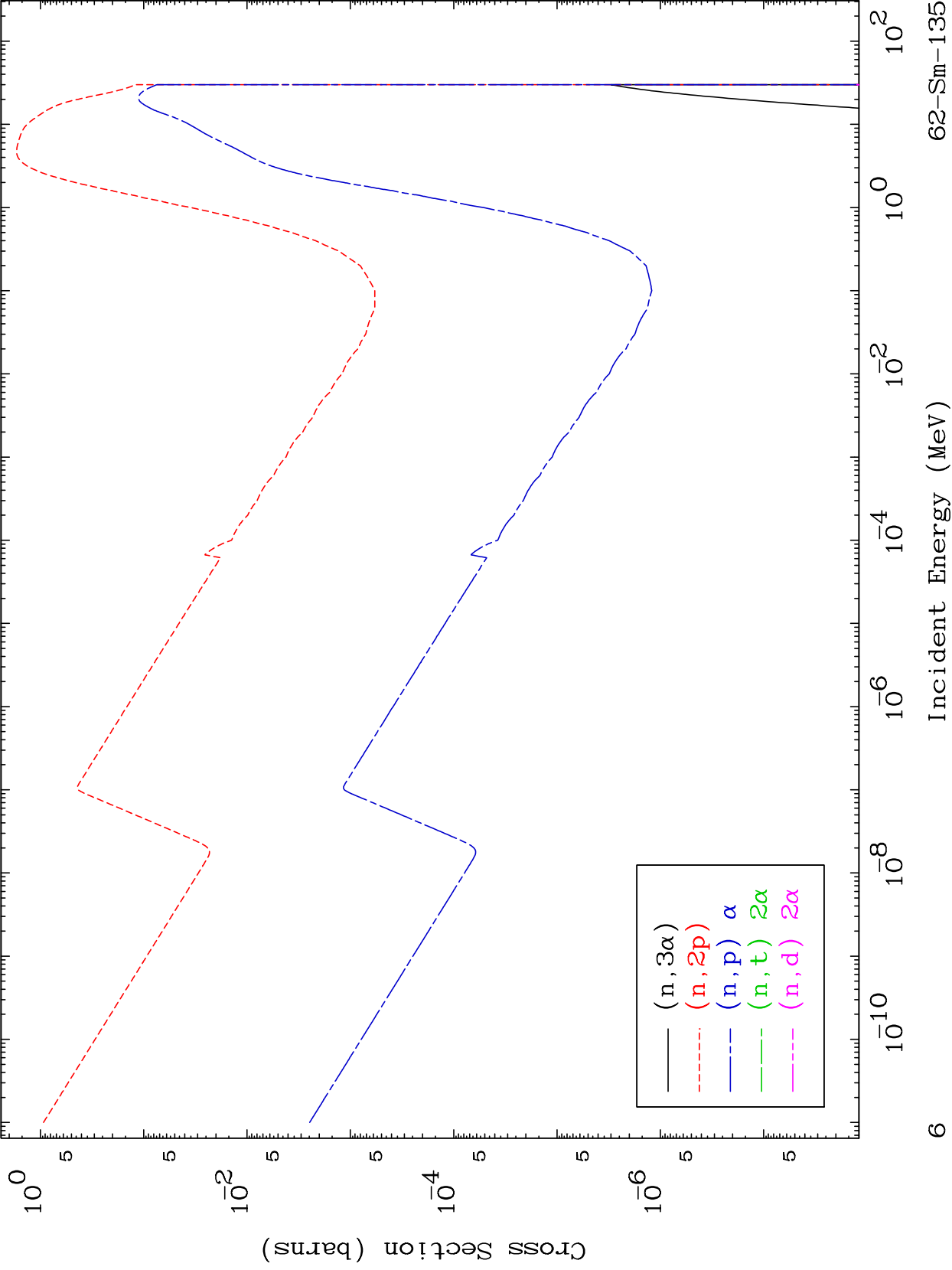




MAT 6198

Charged Particle
293 Kelvin Cross Sections

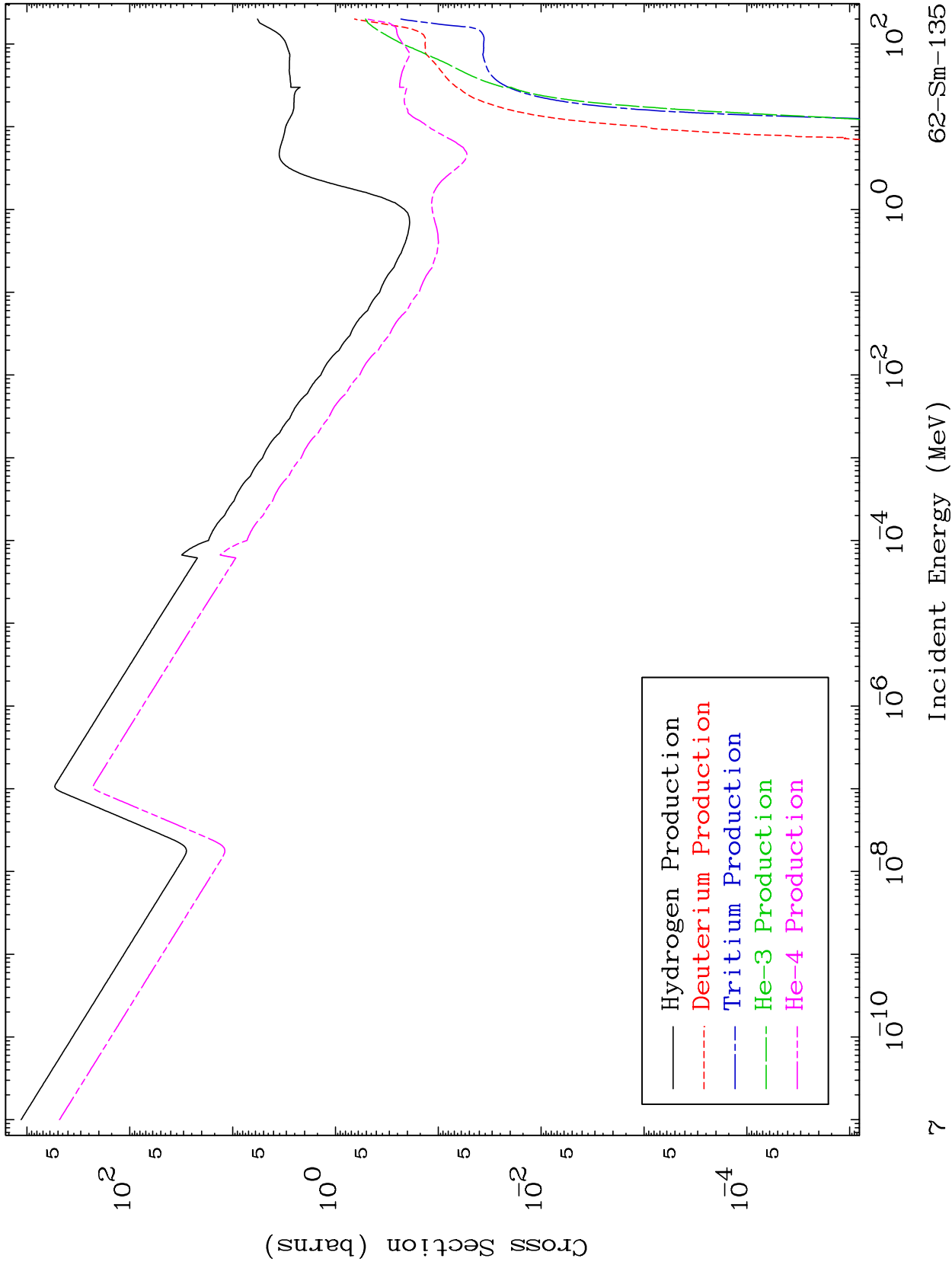
62-Sm-135



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Particle Production
293 Kelvin Cross Sections

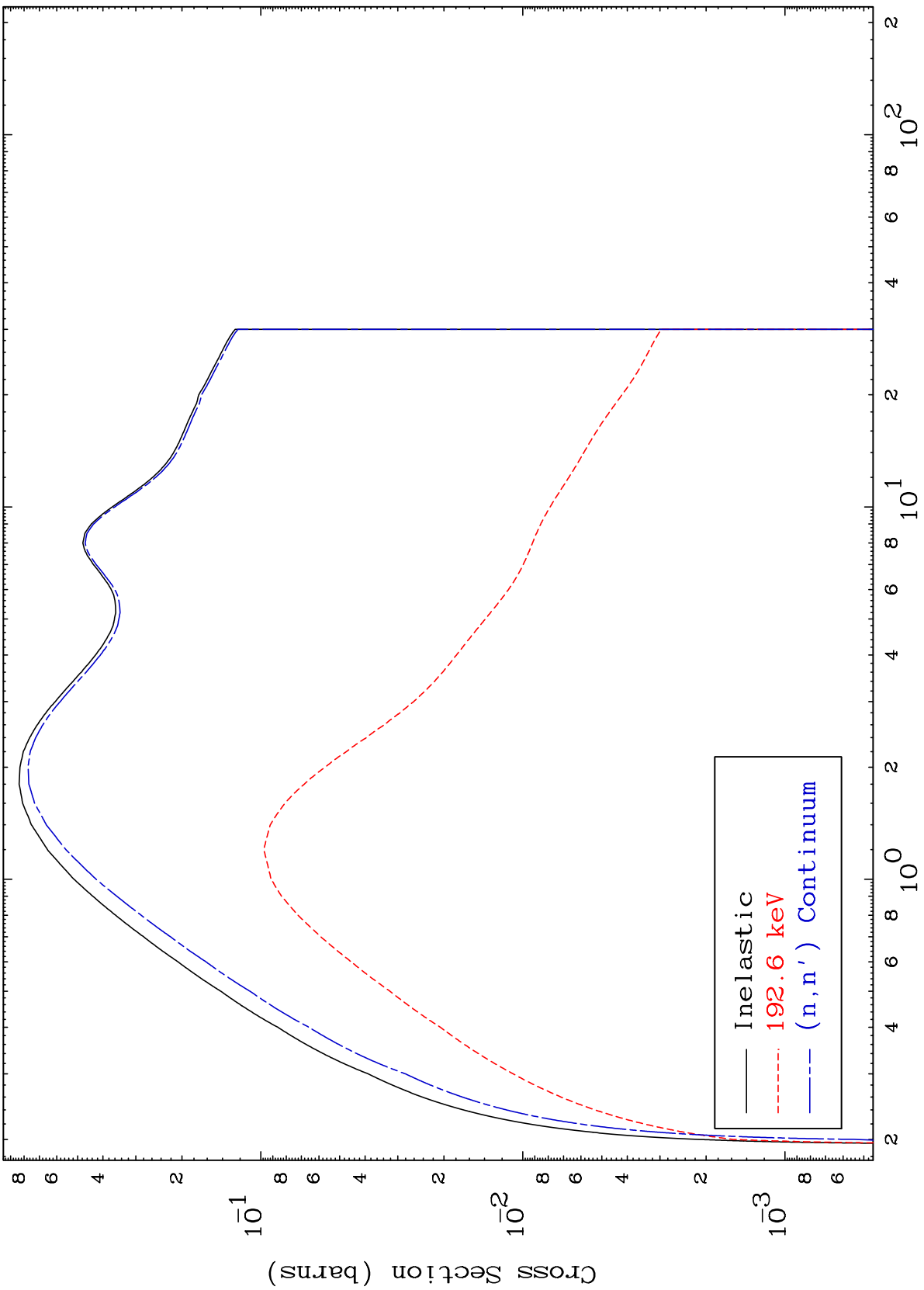
62-Sm-135



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62-Sm-135

(n,n') Level
293 Kelvin Cross Sections



62-Sm-135

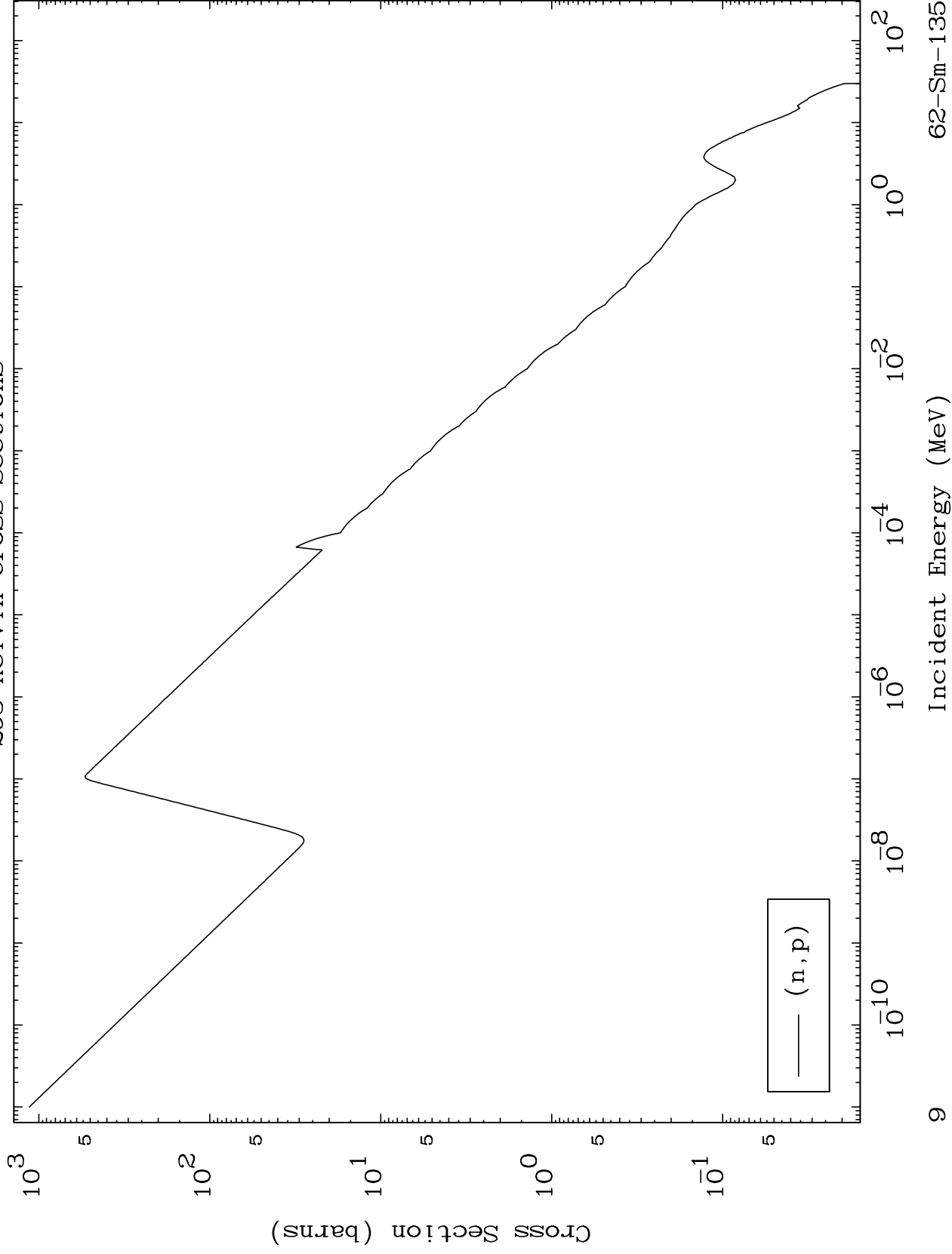
Incident Energy (MeV)

8

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(n,p) Levels
293 Kelvin Cross Sections

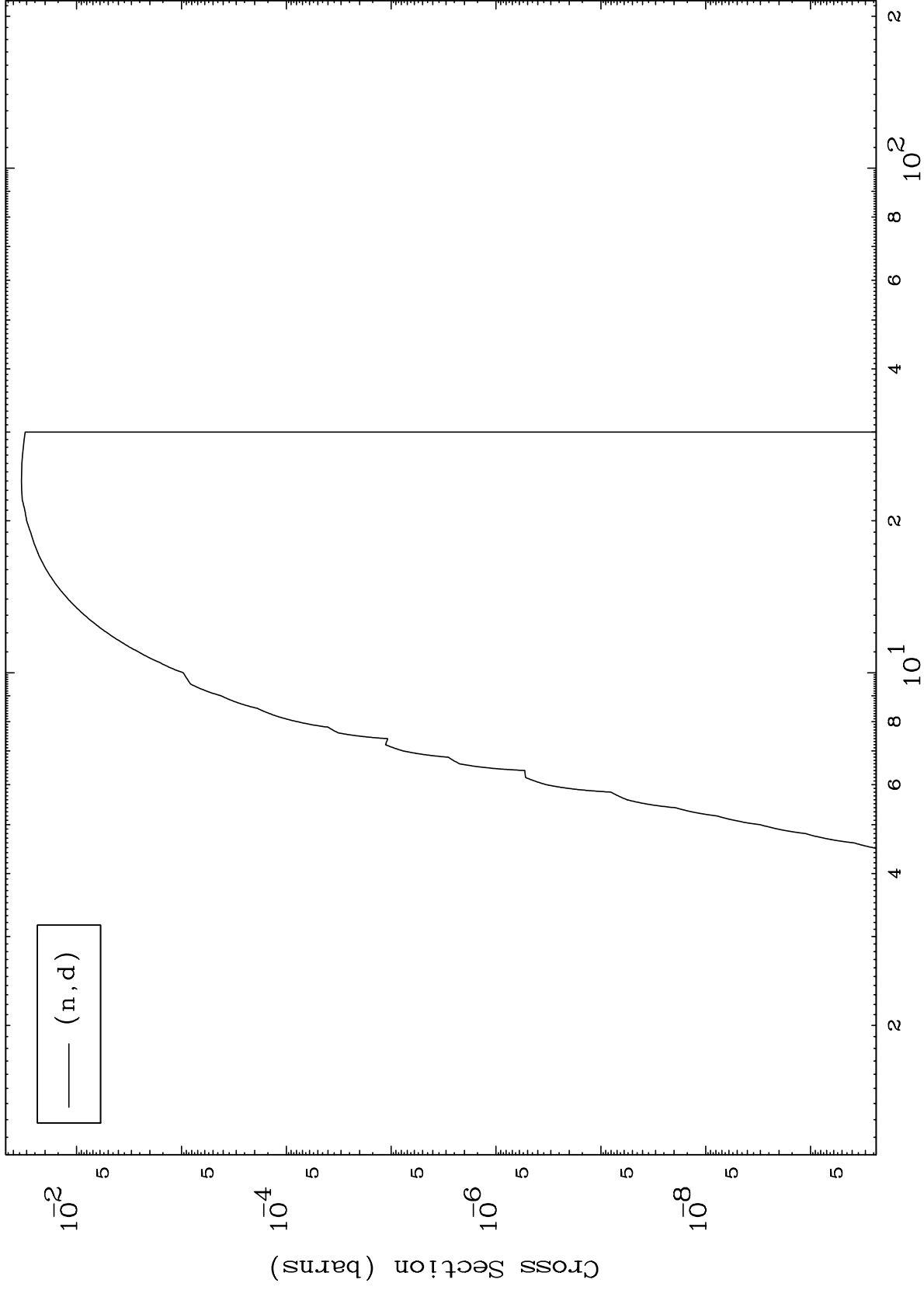
62-Sm-135



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(n,d) Levels
293 Kelvin Cross Sections

62-Sm-135



10

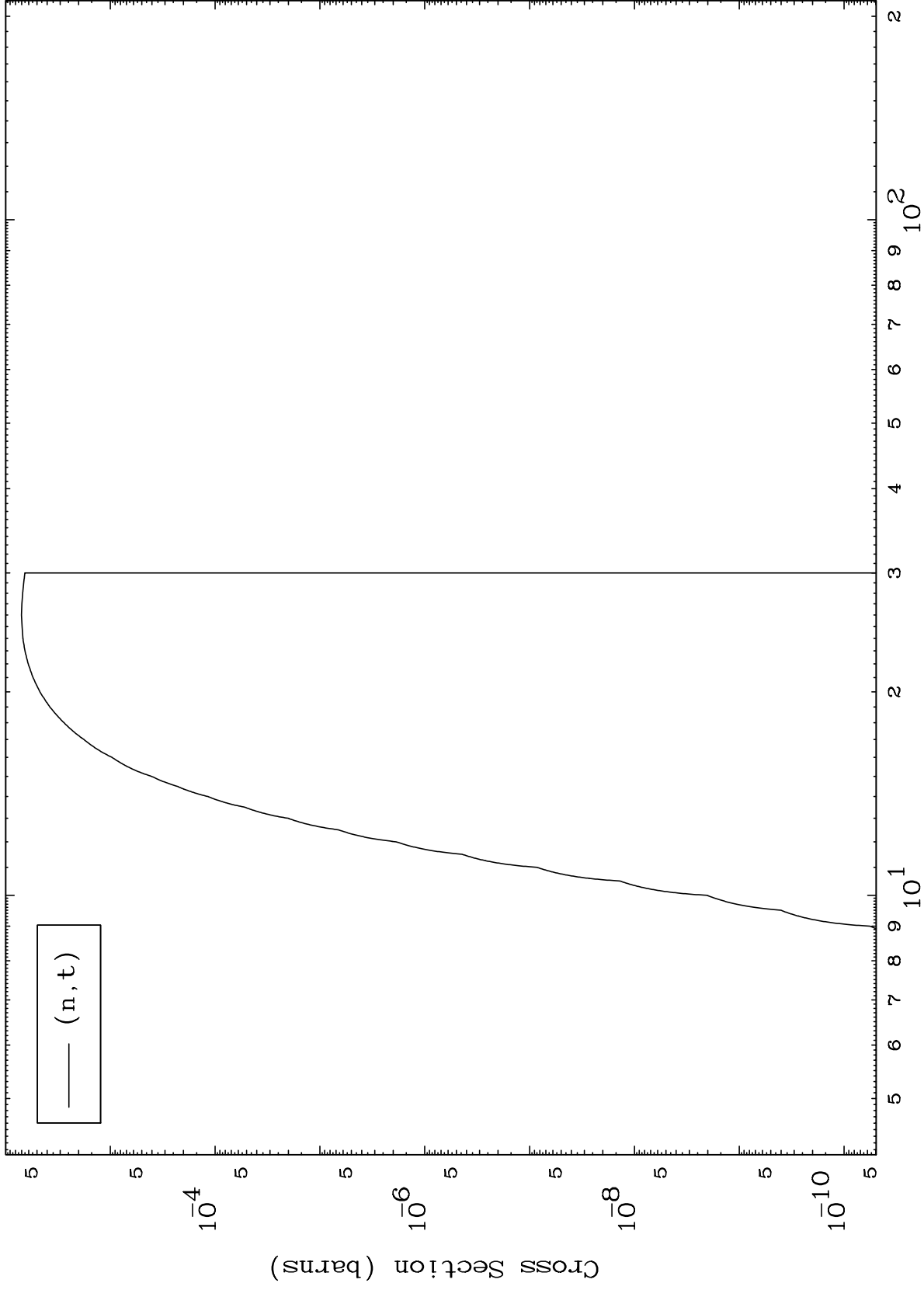
Incident Energy (MeV)

62-Sm-135

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(n,t) Levels
293 Kelvin Cross Sections

62-Sm-135



11

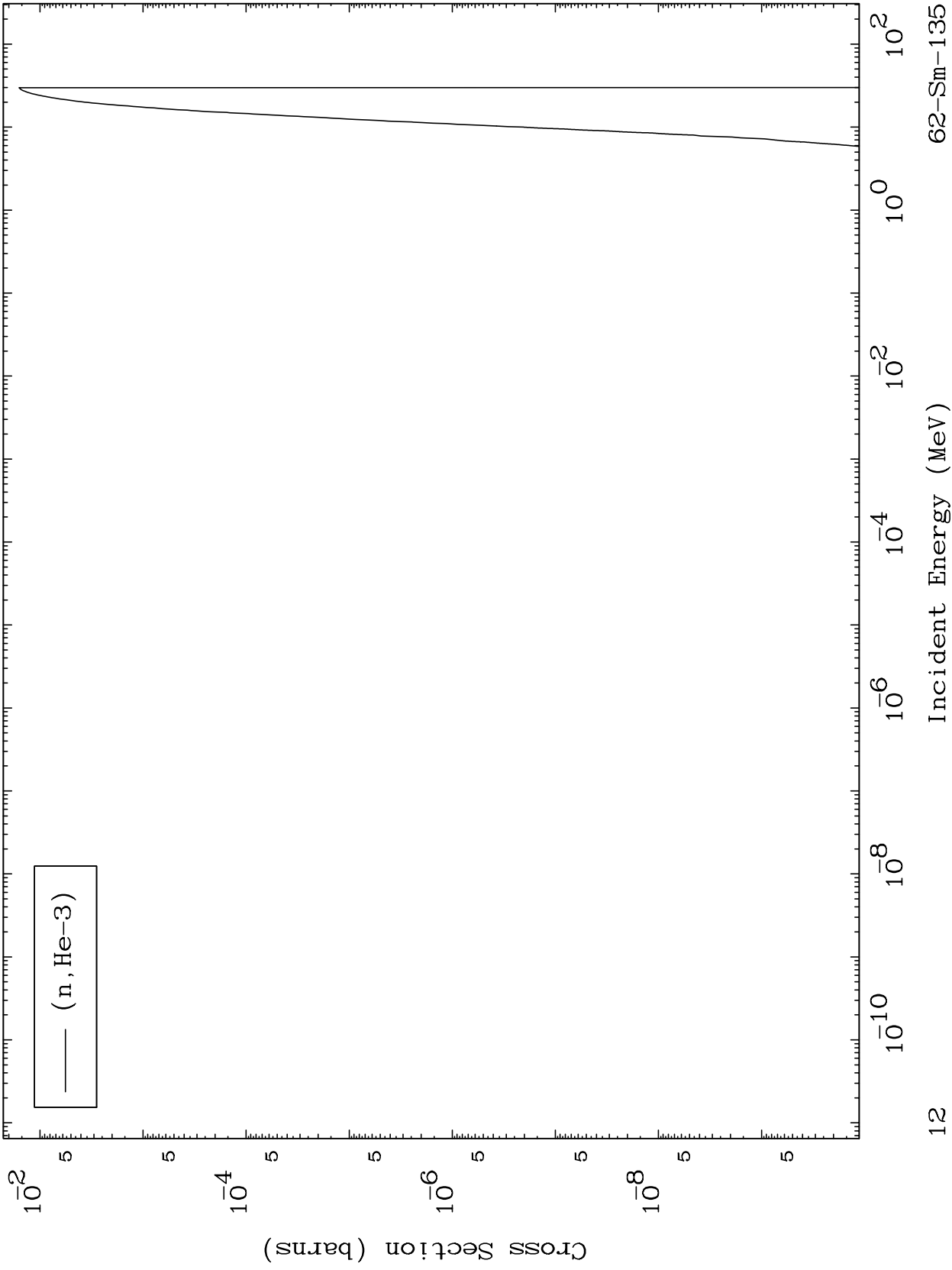
Incident Energy (MeV)

62-Sm-135

MAT 6198

(n,He3) Levels
293 Kelvin Cross Sections

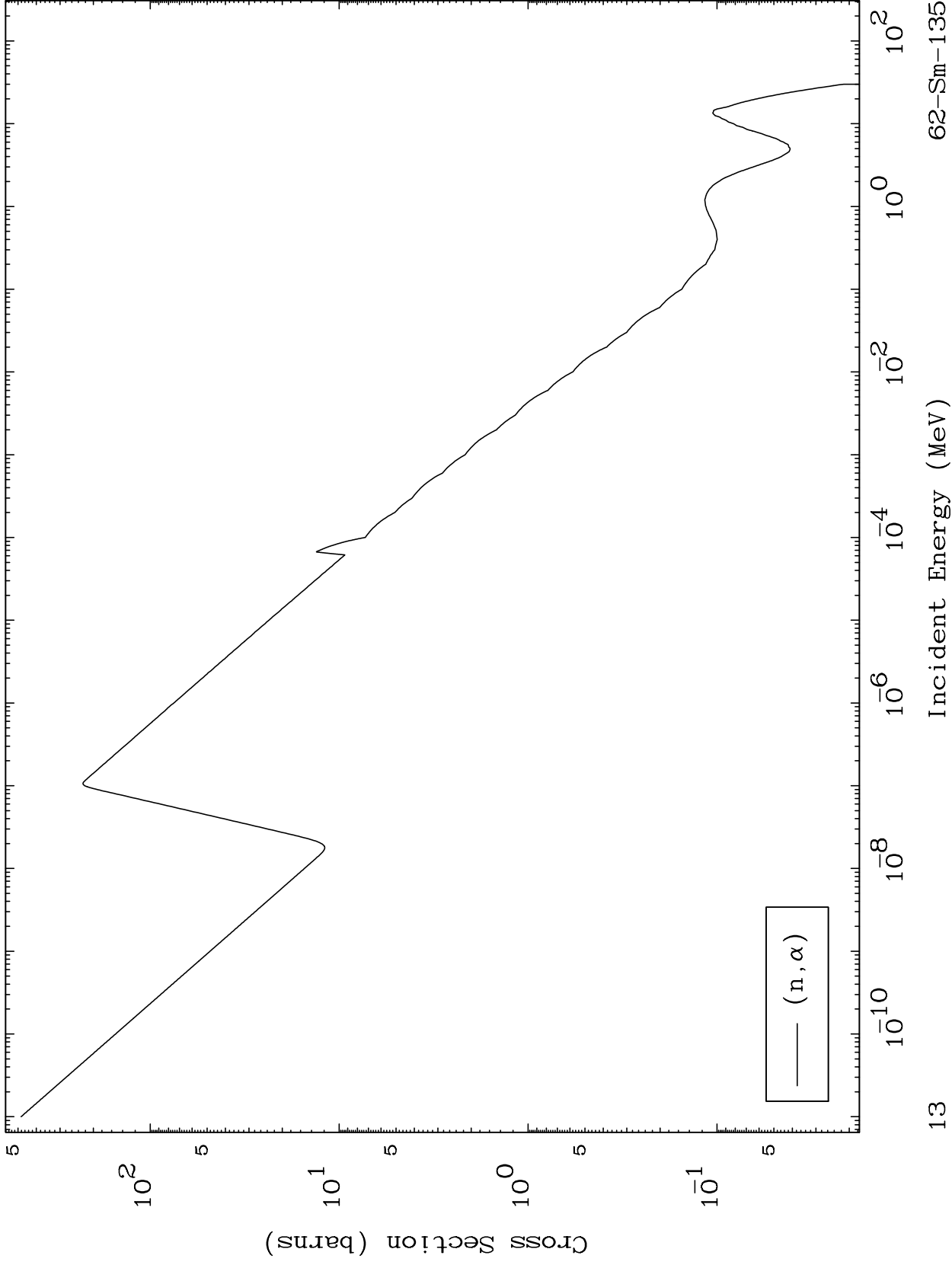
62-Sm-135

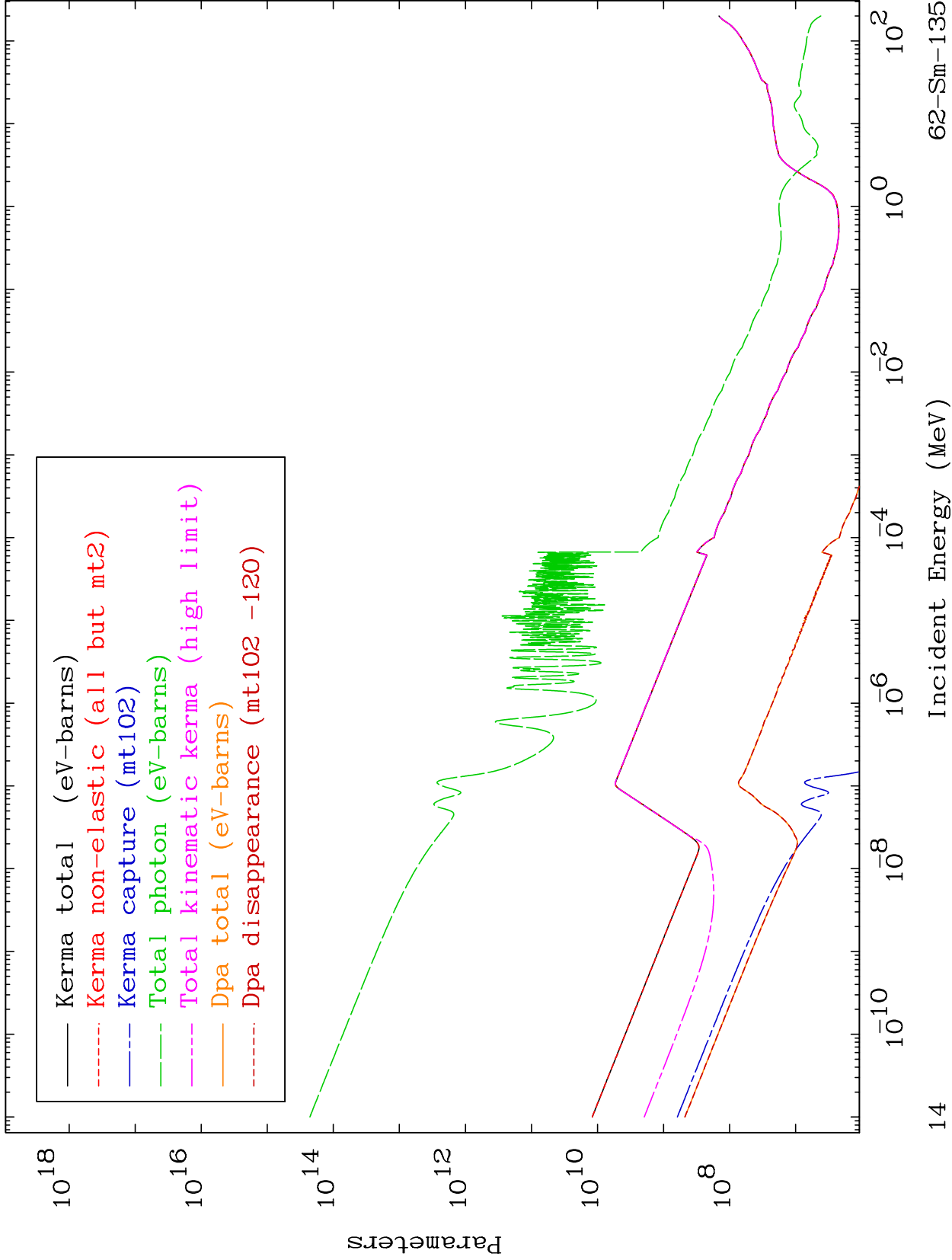


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(n,α) Levels
293 Kelvin Cross Sections

62-Sm-135

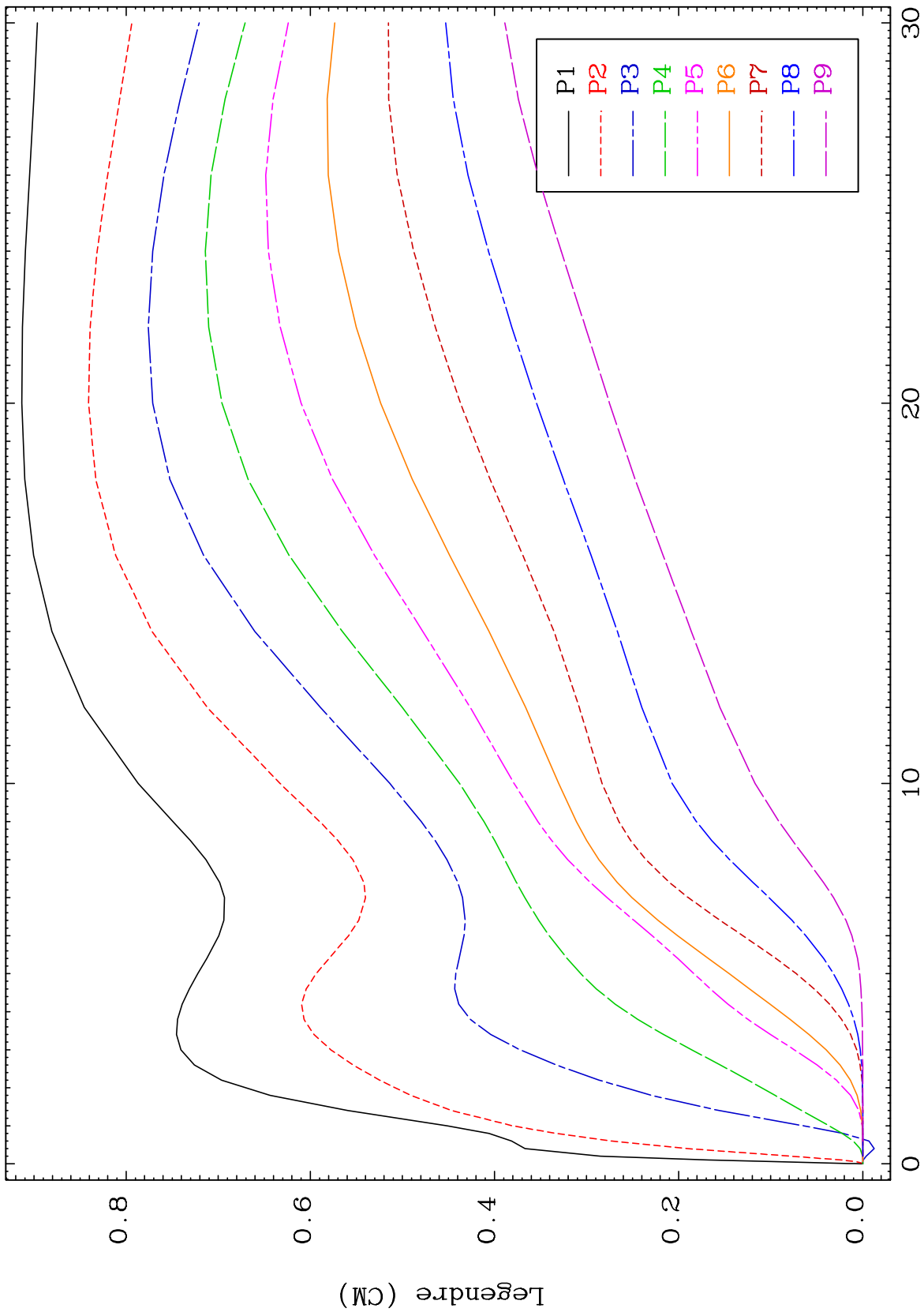




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Elastic Legendre Coefficients

$^{62}\text{Sm}-135$



15

Incident Energy (MeV)

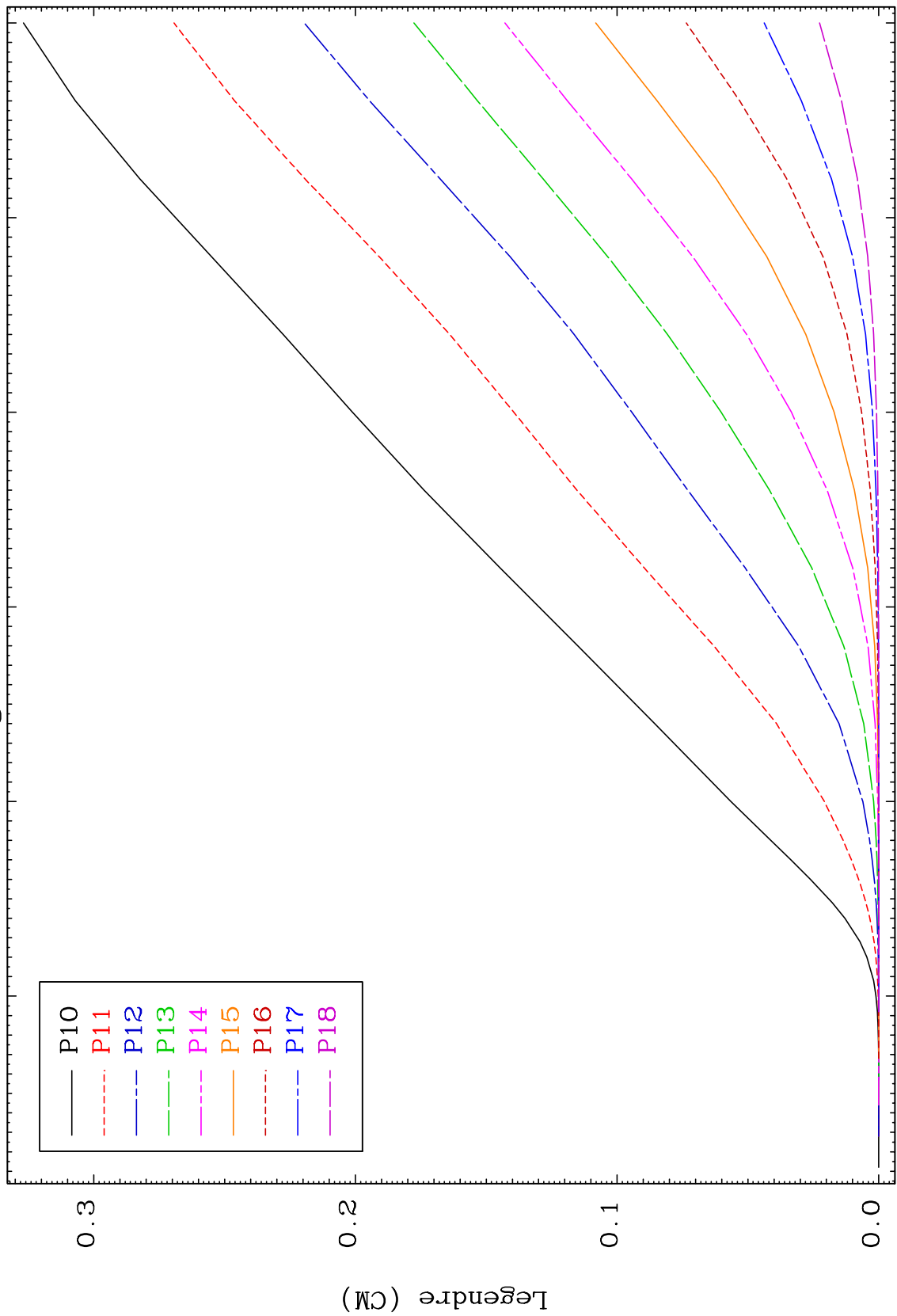
$^{62}\text{Sm}-135$

30

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Elastic Legendre Coefficients

62-Sm-135



16

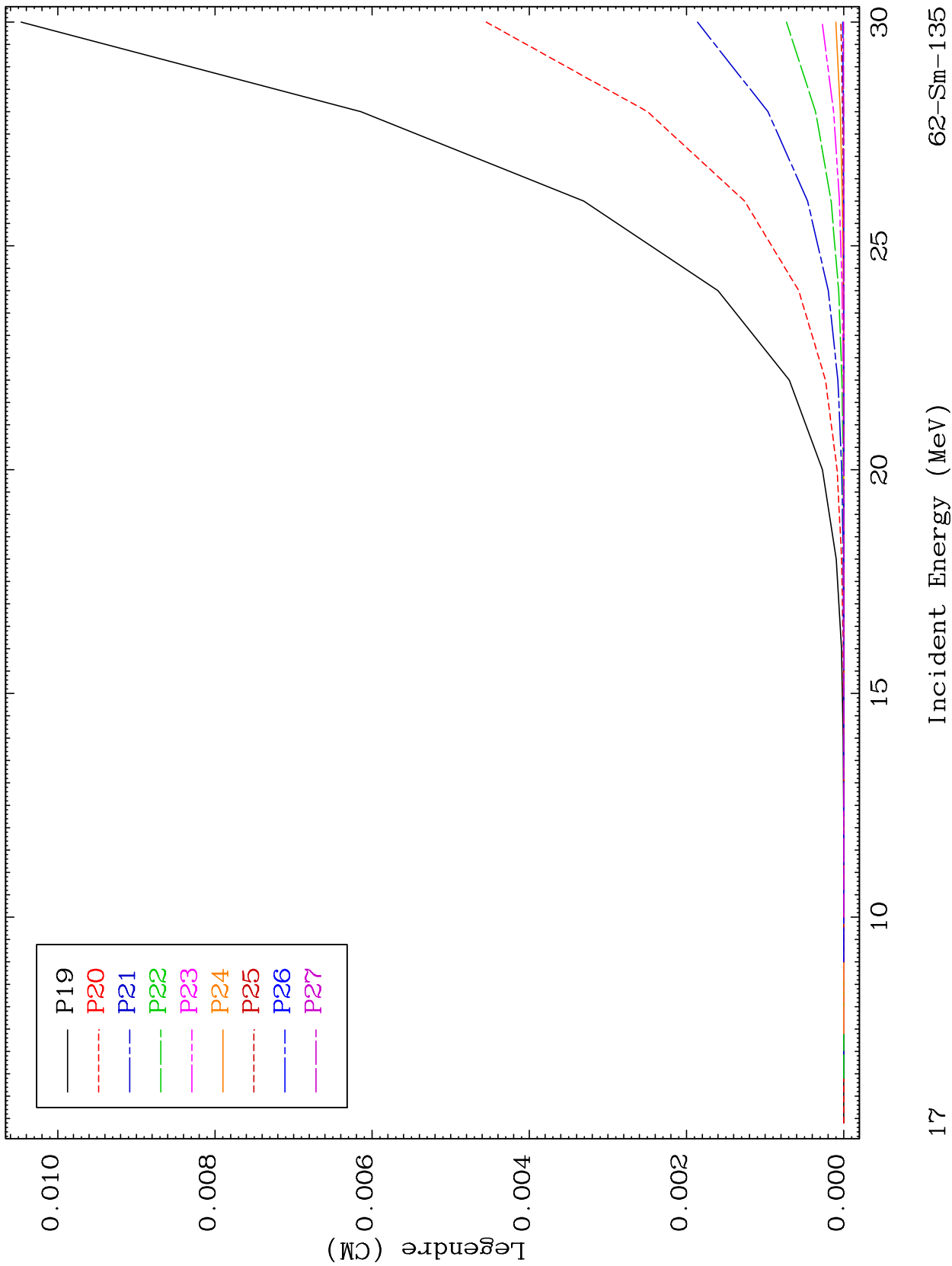
Incident Energy (MeV)

62-Sm-135

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Elastic Legendre Coefficients

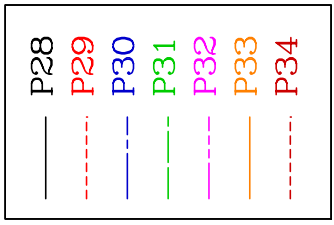
⁶²Sm-135



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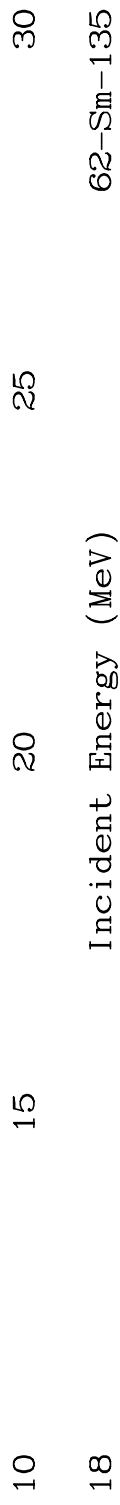
Elastic Legendre Coefficients

⁶²Sm-135



$\times 10^{-6}$
1.0
0.8
0.6
0.4
0.2
0.0

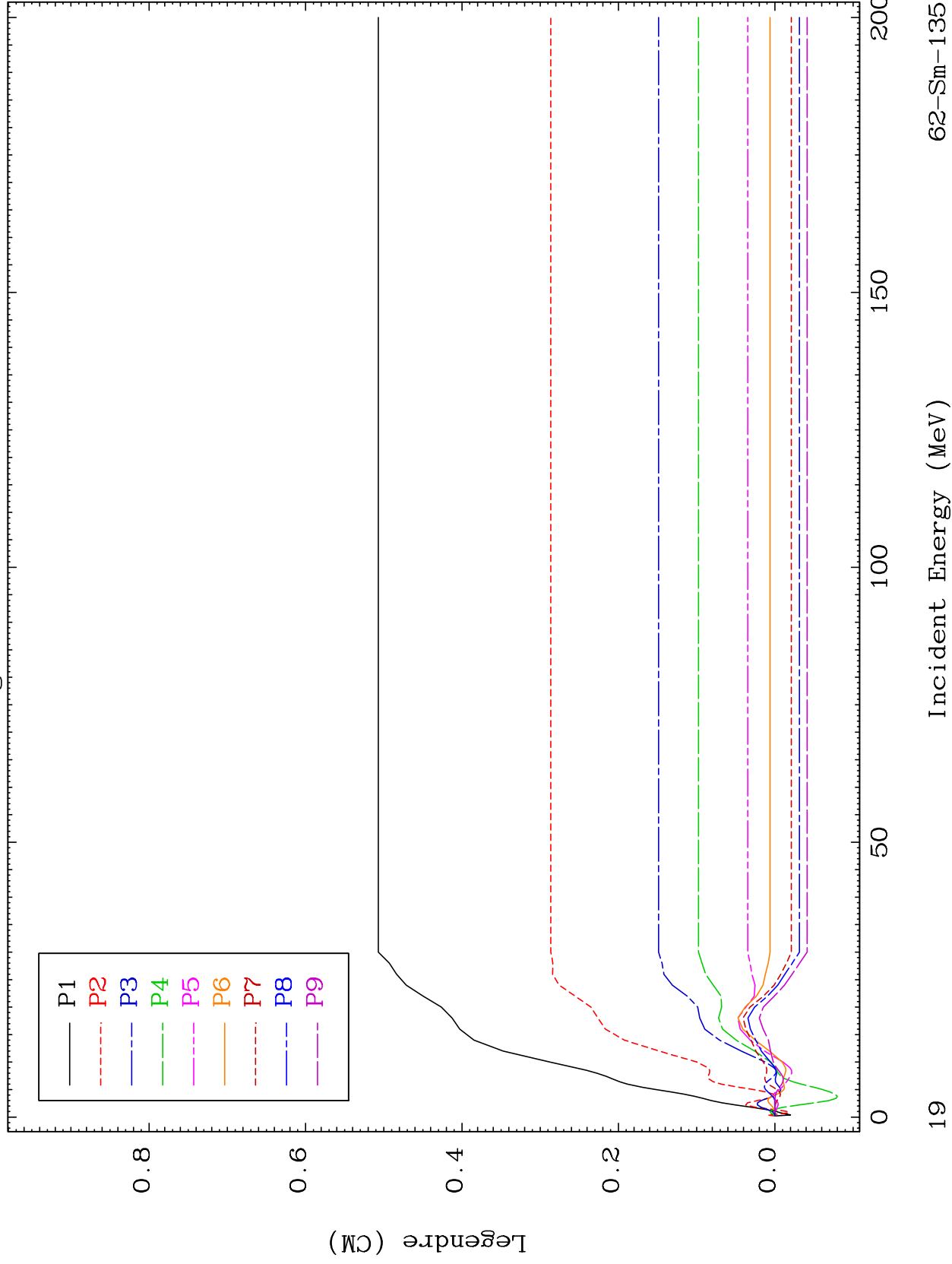
Legendre (CM)



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192.6 keV (n,n') Level
Legendre Coefficients

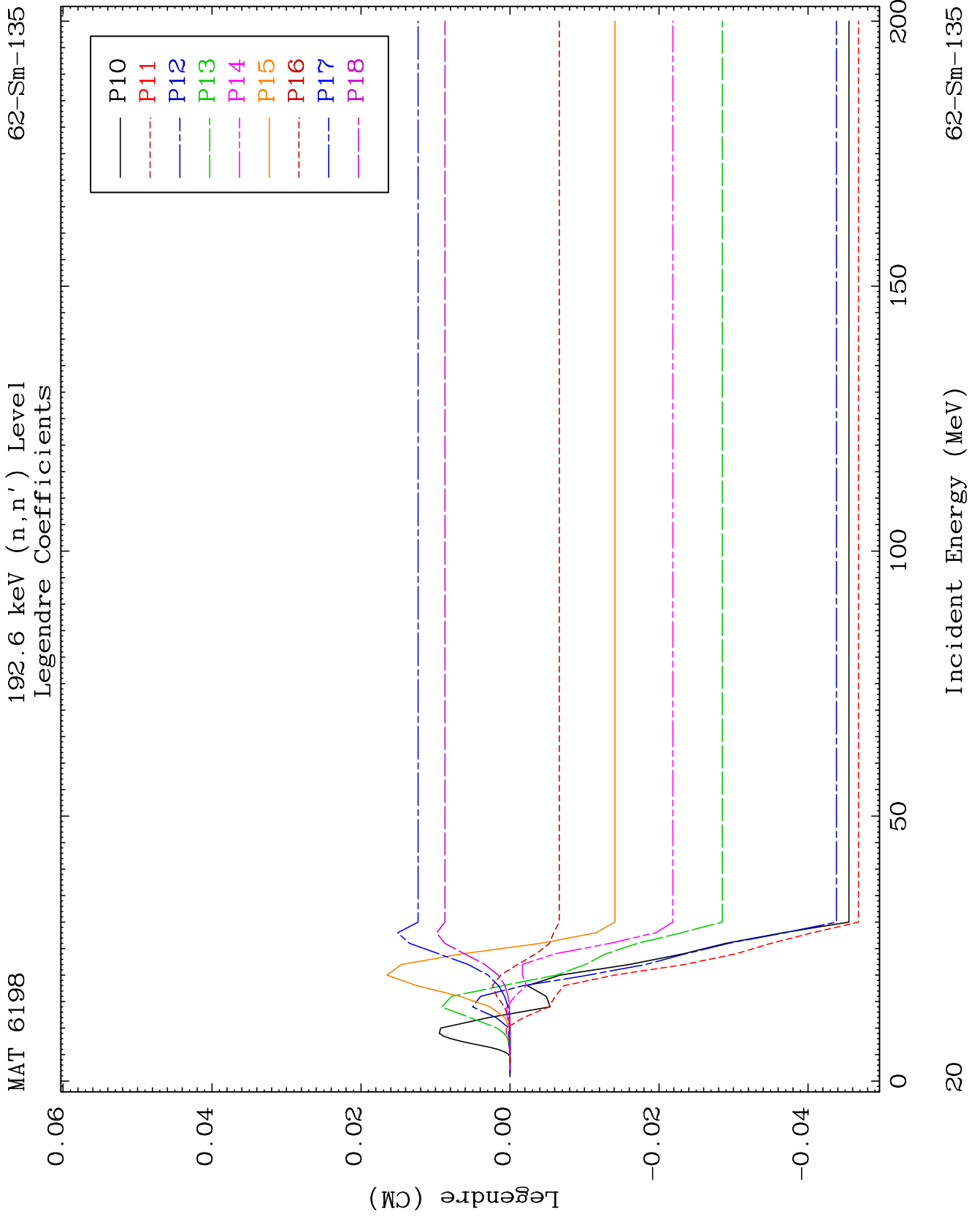
62-Sm-135

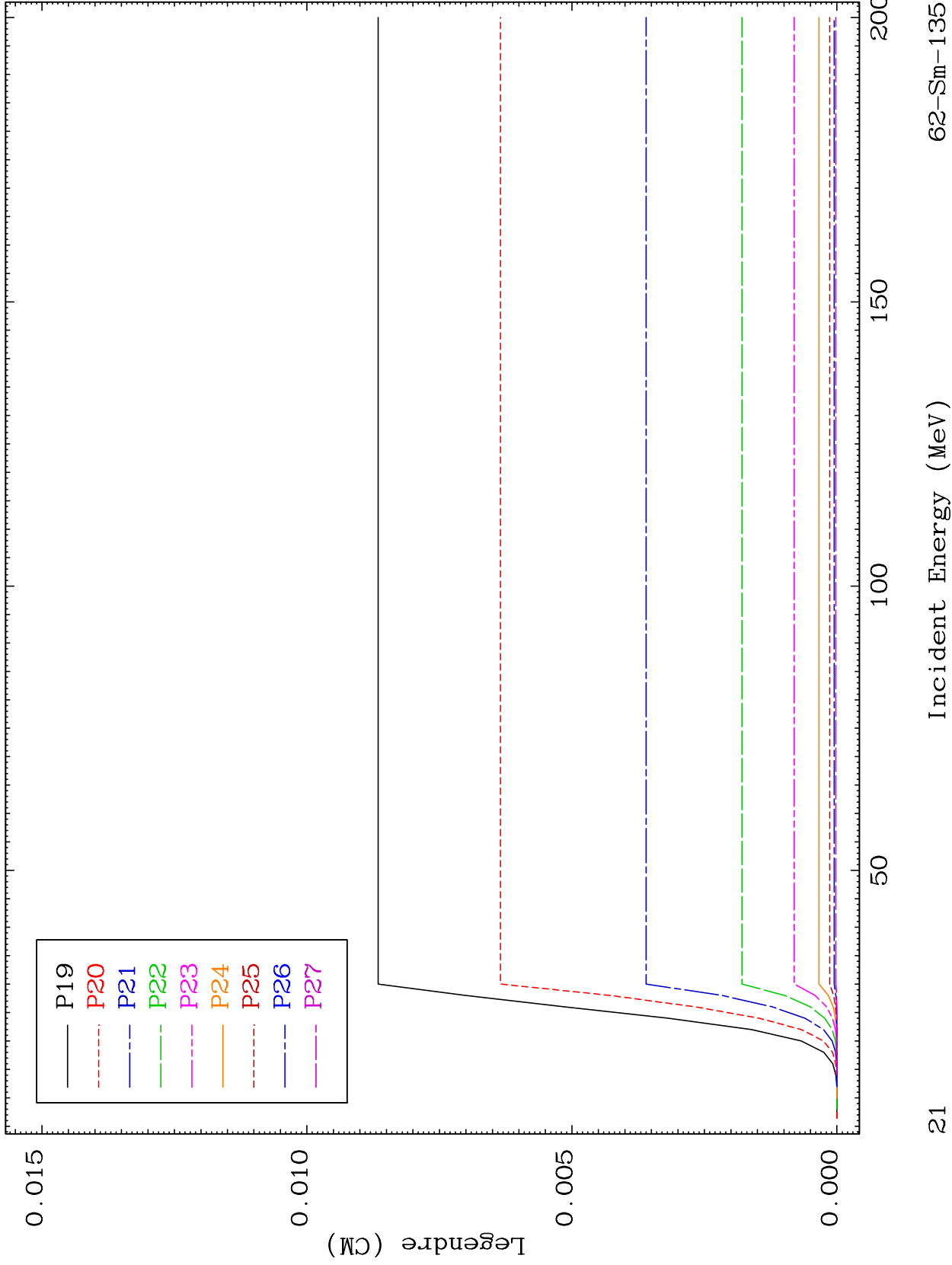


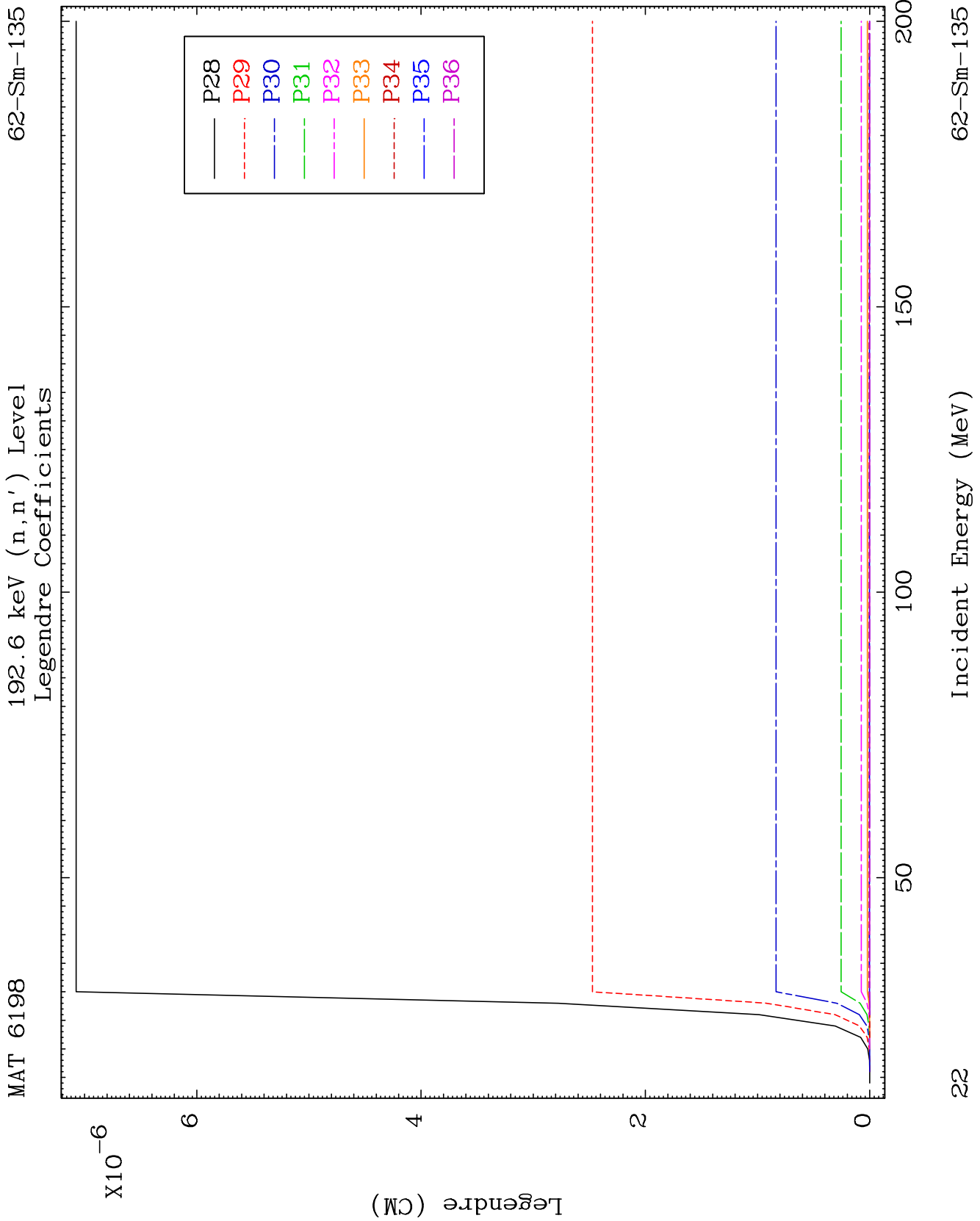
19

Incident Energy (MeV)

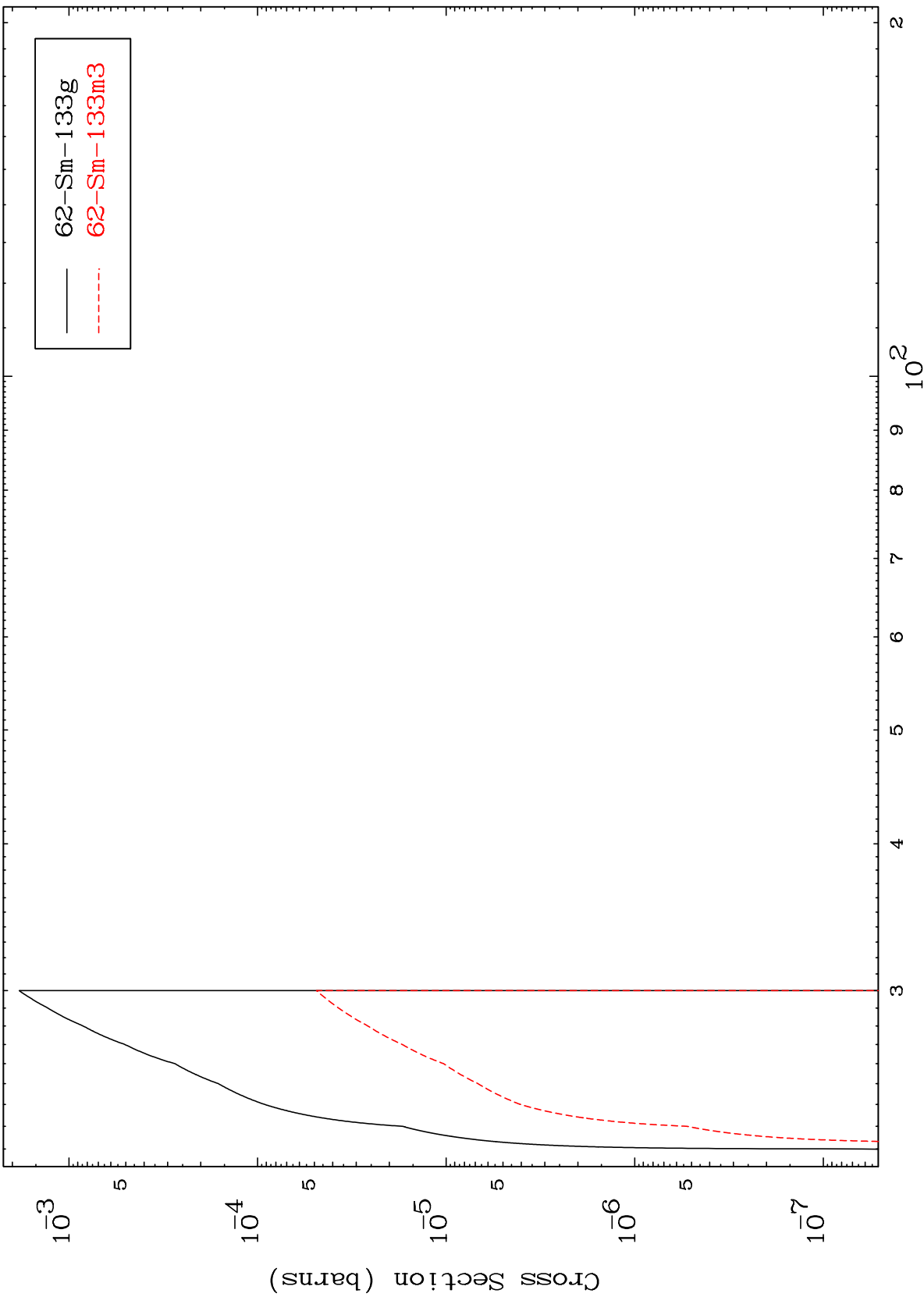
62-Sm-135







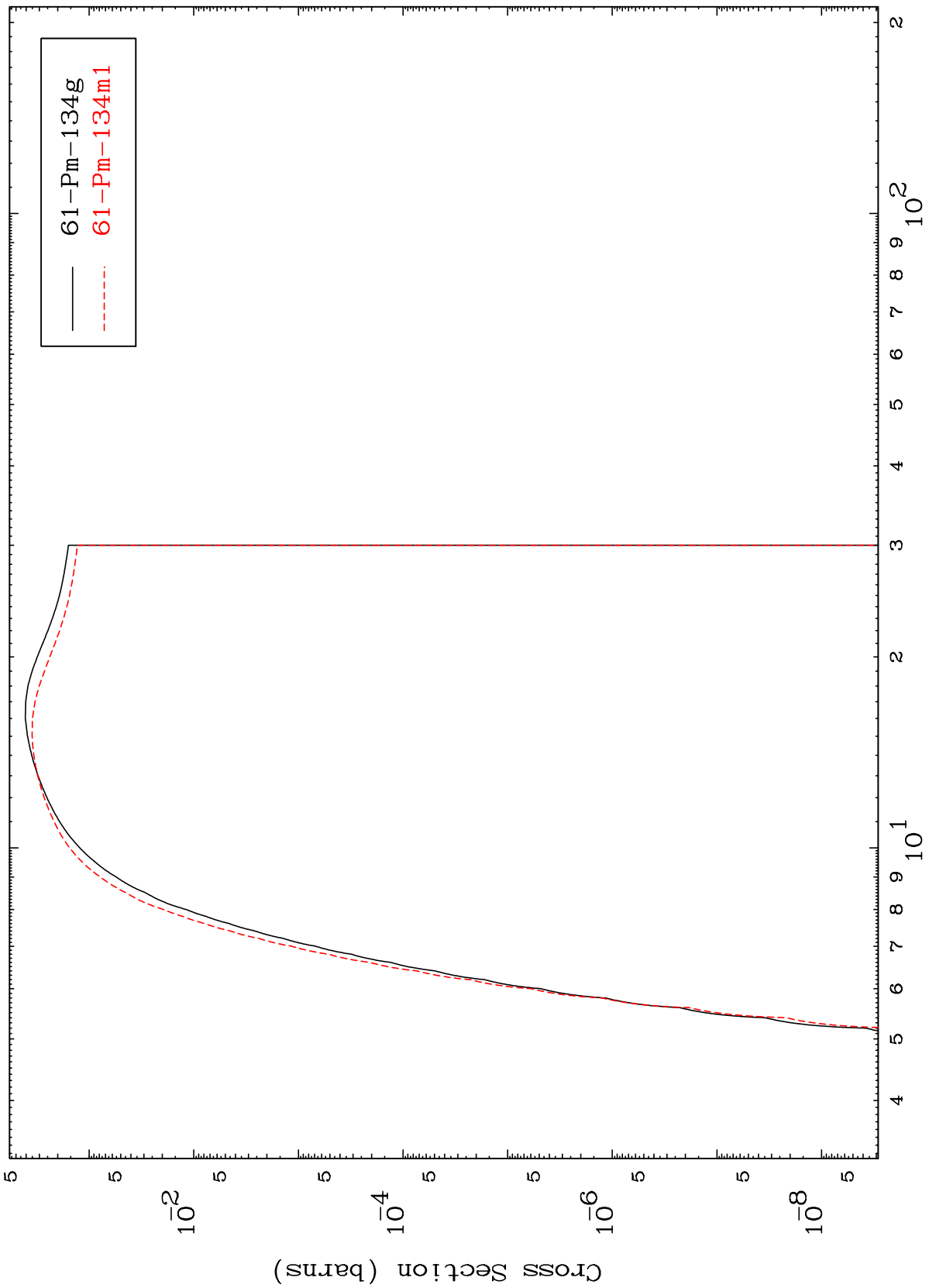
(n,3n)
Radionuclide Production Cross Section



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62-Sm-135

(n, n') p
Radionuclide Production Cross Section



24

Incident Energy (MeV)

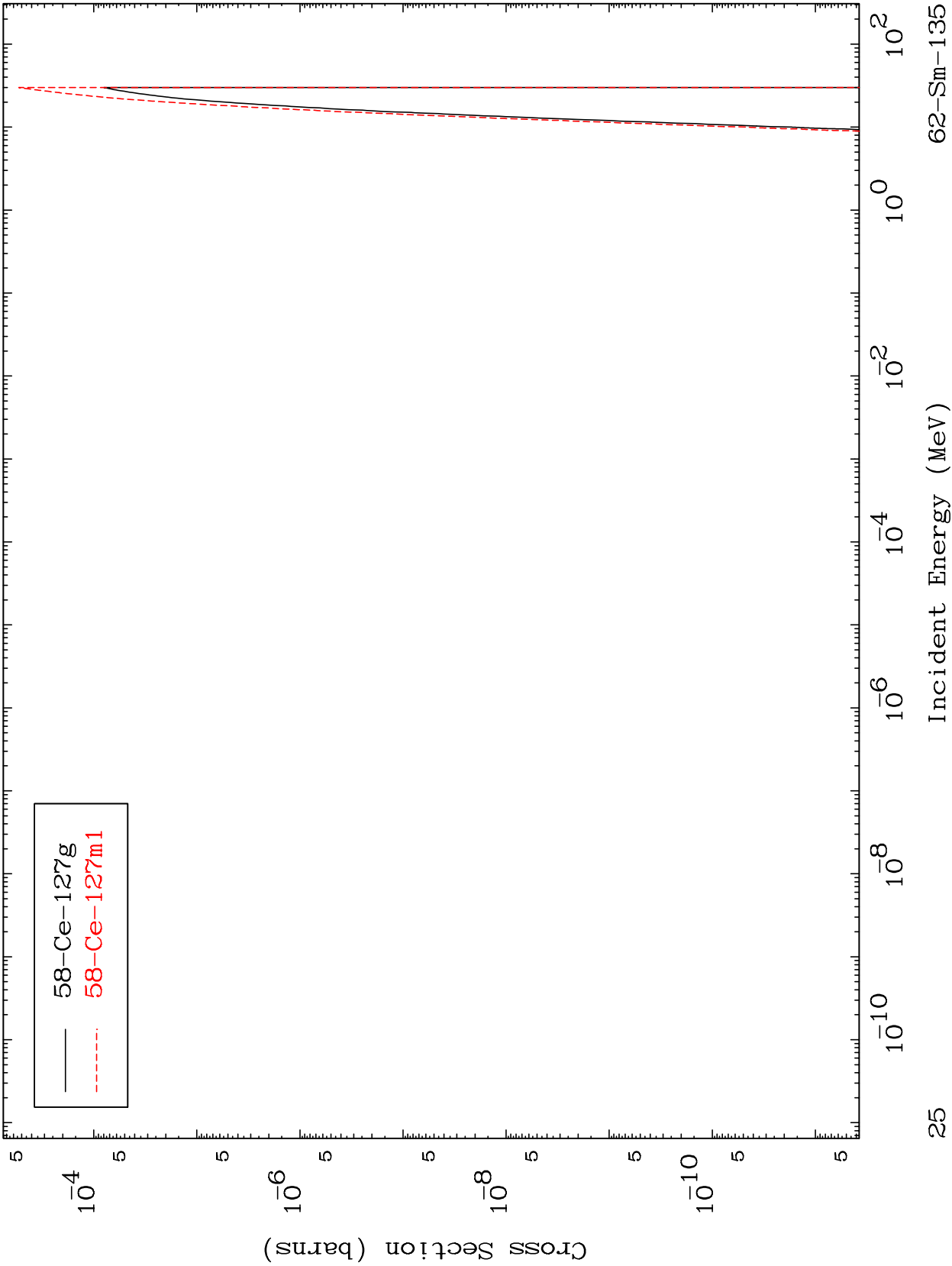
62-Sm-135

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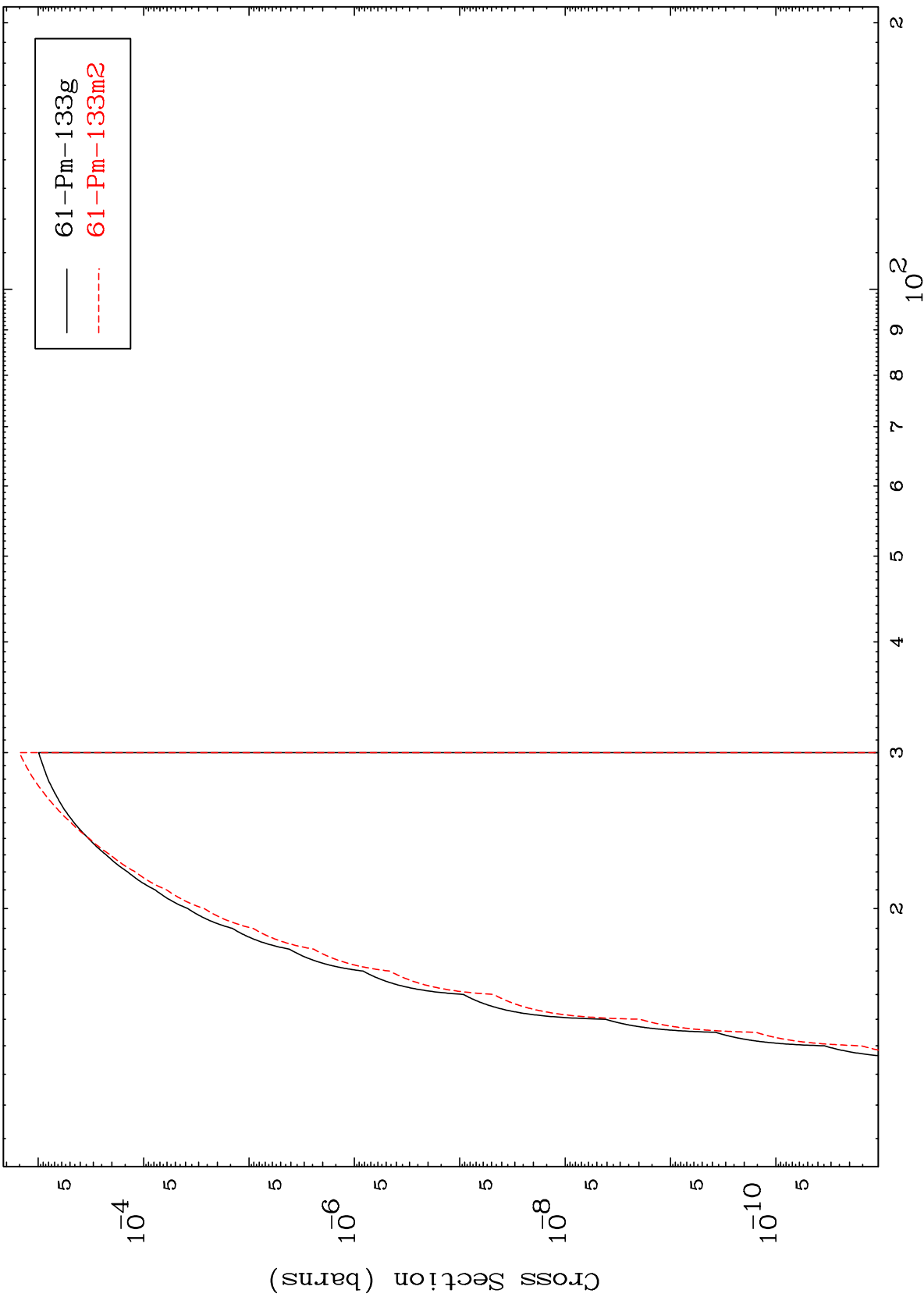
(n,n') 2 α

62-Sm-135

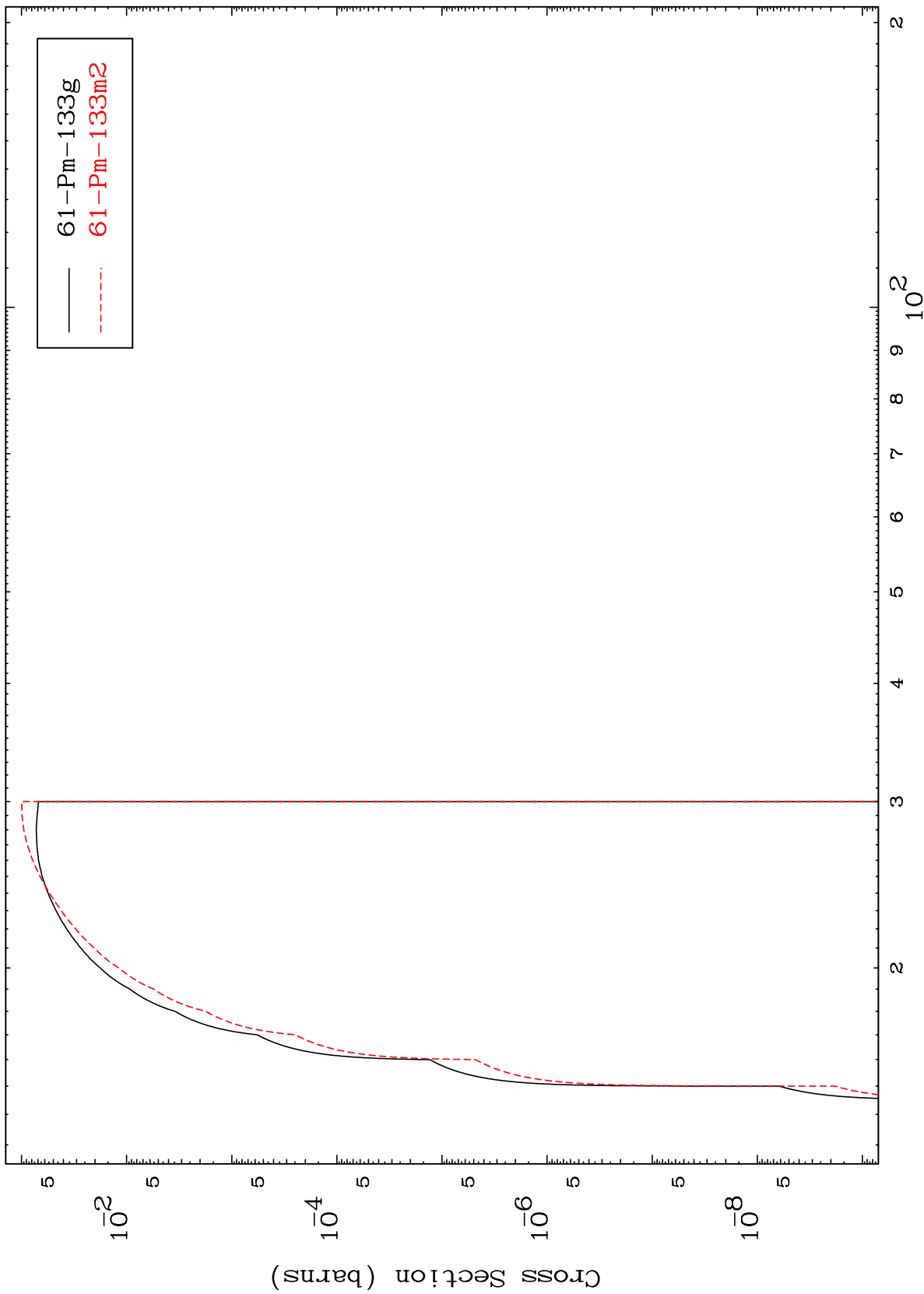
Radionuclide Production Cross Section



Radionuclide Production Cross Section



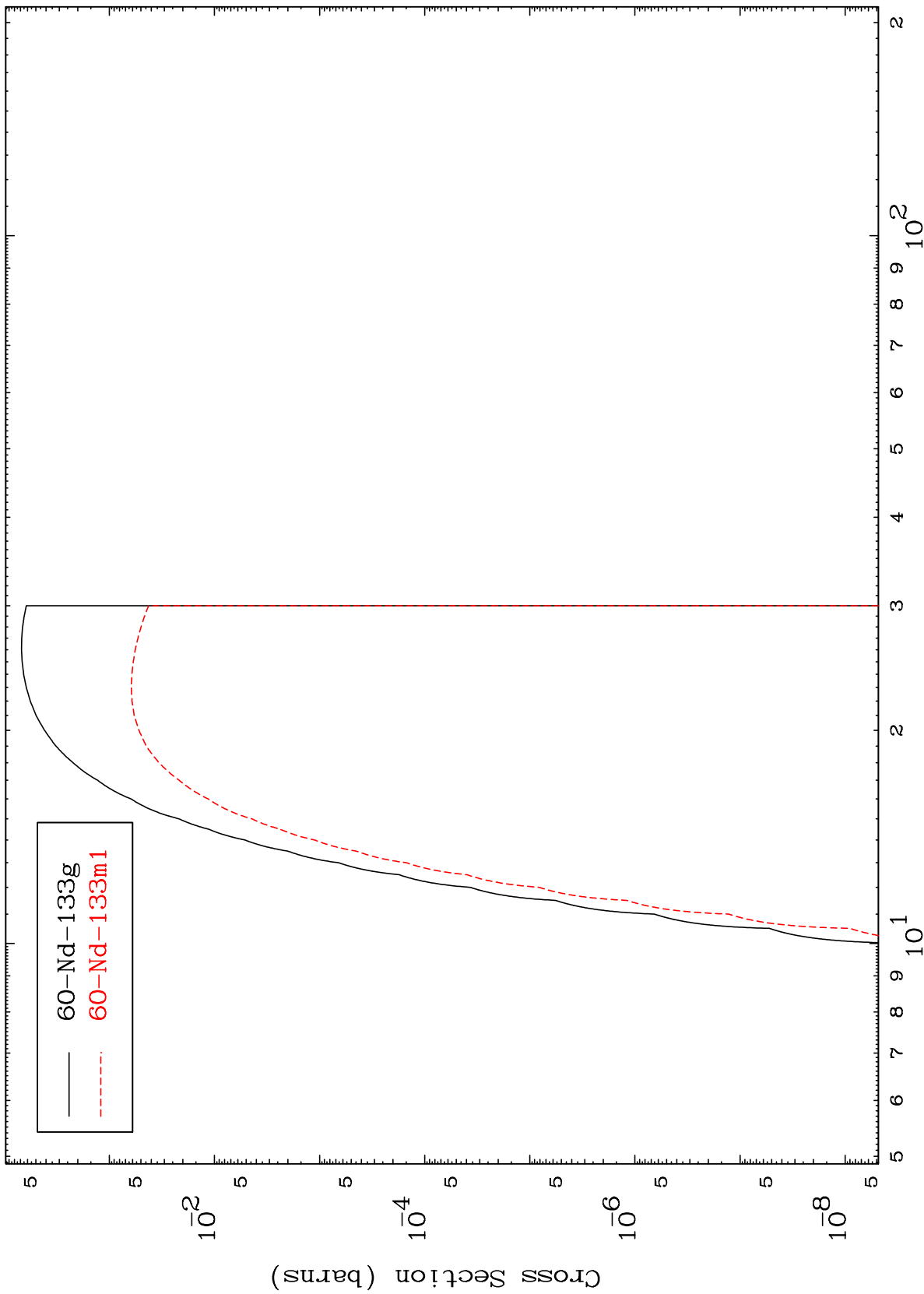
Radionuclide Production Cross Section



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62-Sm-135

(n,2n) p
Radionuclide Production Cross Section



60-Nd-133g
60-Nd-133m1

62-Sm-135

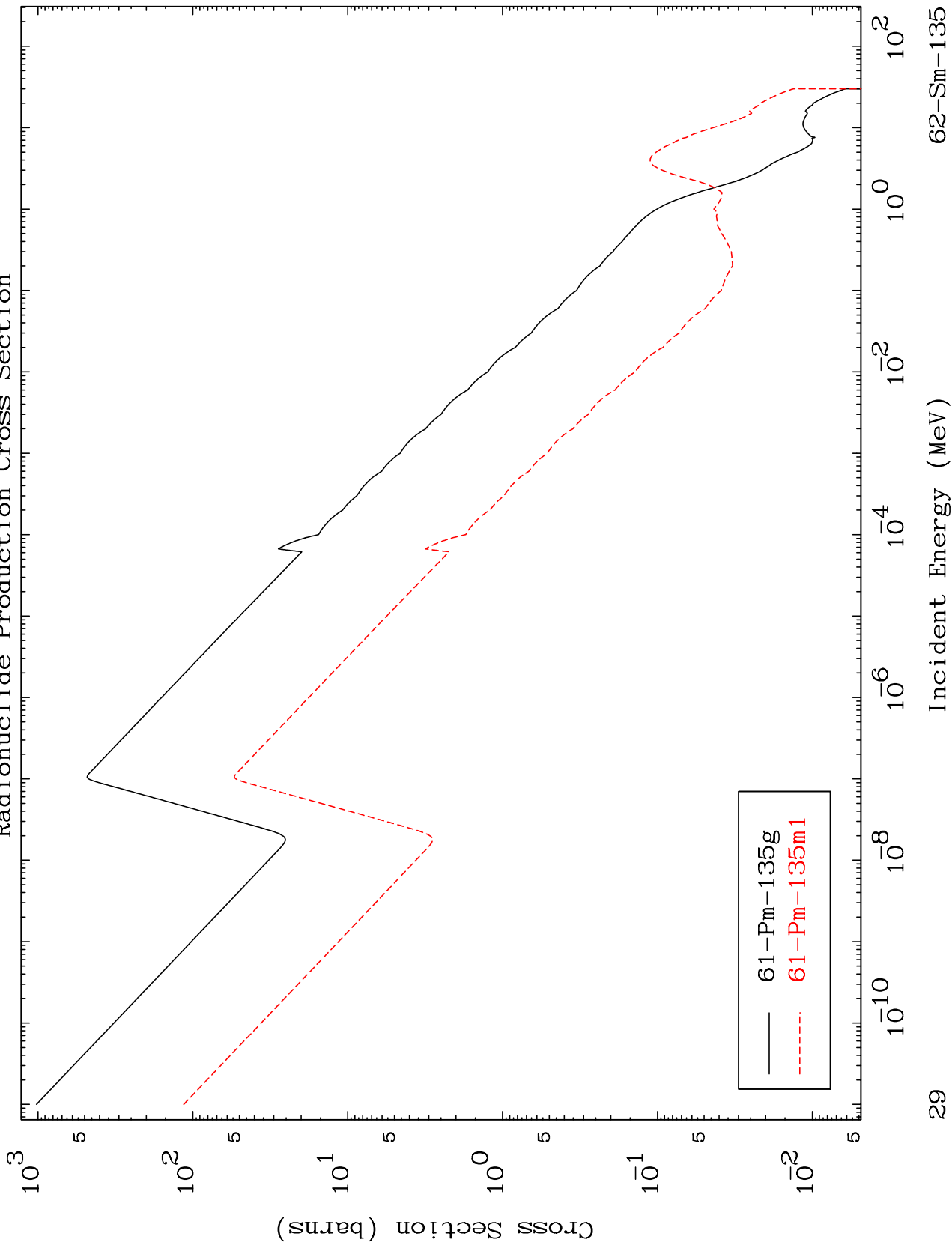
Incident Energy (MeV)

28

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62-Sm-135

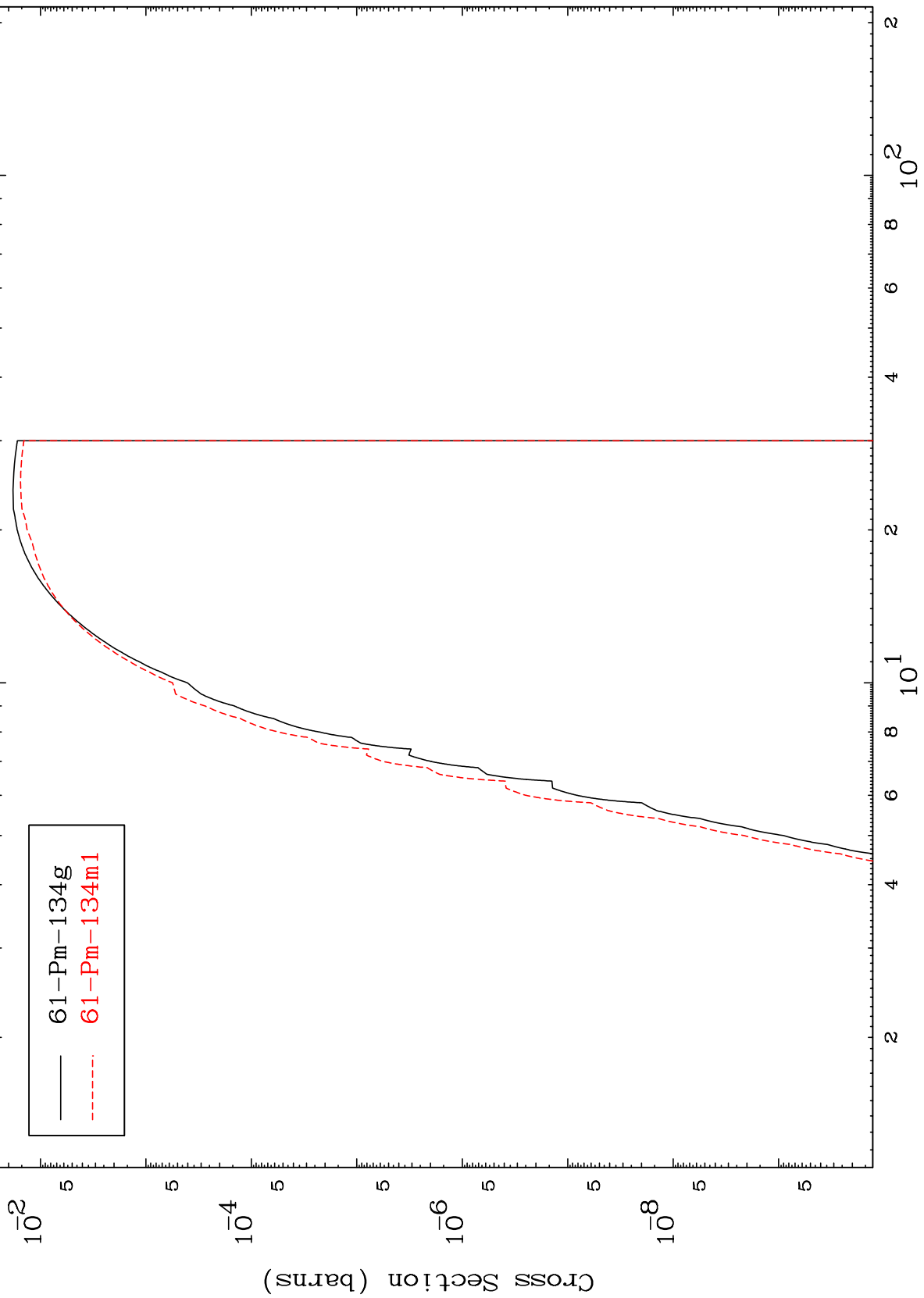
(n,p)
Radionuclide Production Cross Section



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62-Sm-135

(n,d)
Radionuclide Production Cross Section



62-Sm-135

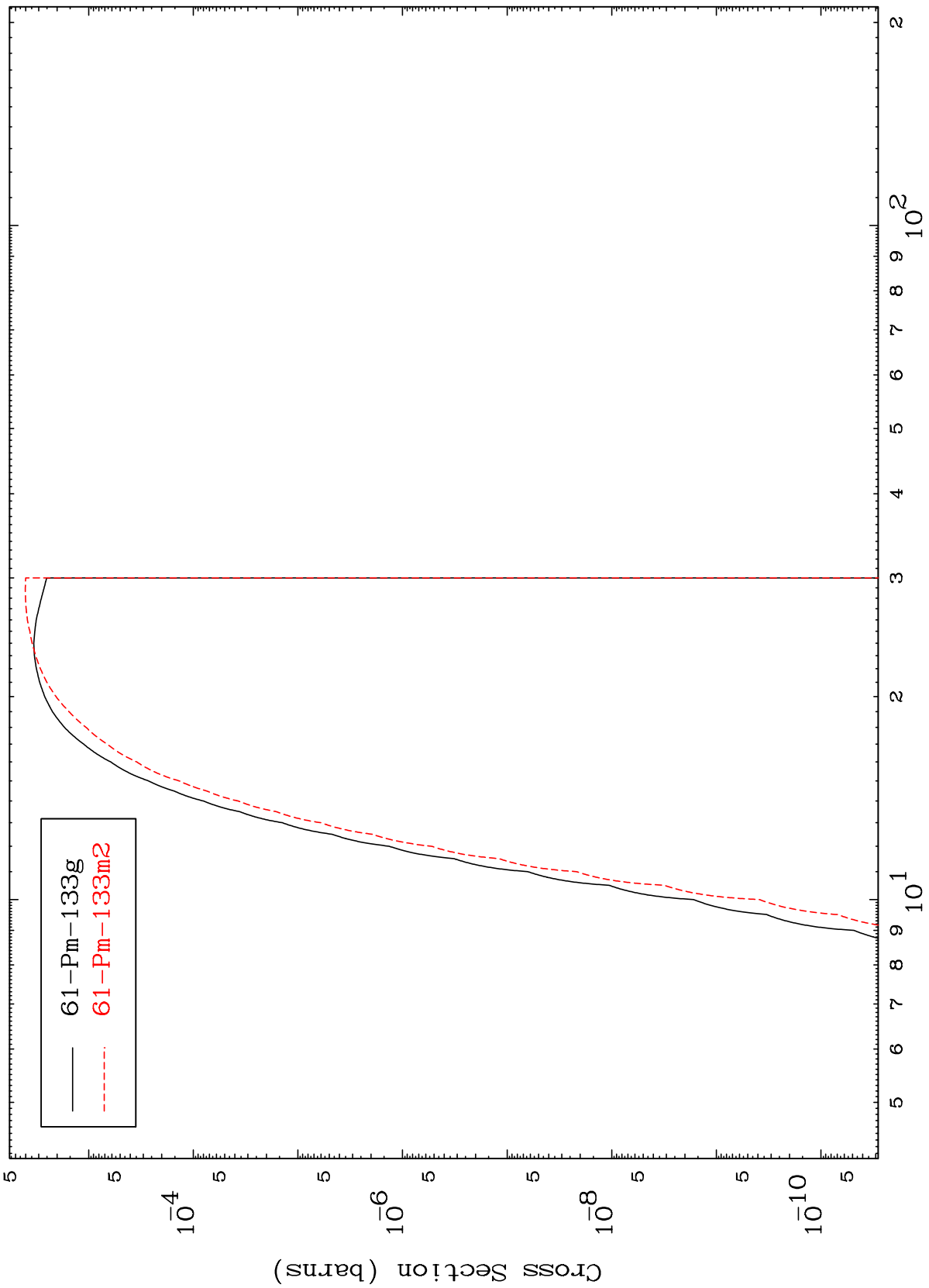
Incident Energy (MeV)

30

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62-Sm-135

(n, t)
Radionuclide Production Cross Section



61-Pm-133g
61-Pm-133m2

31

Incident Energy (MeV)

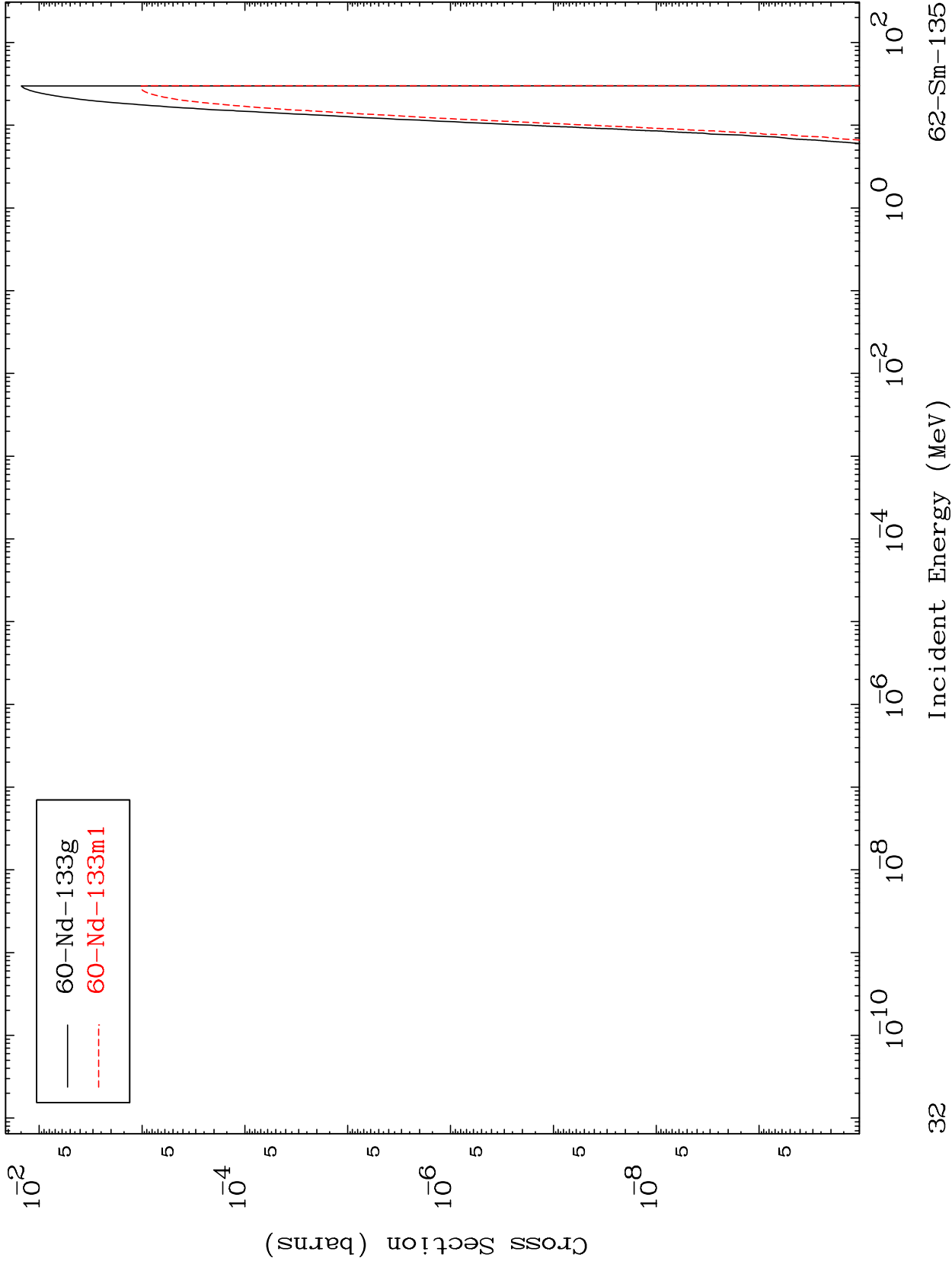
62-Sm-135

MAT 6198

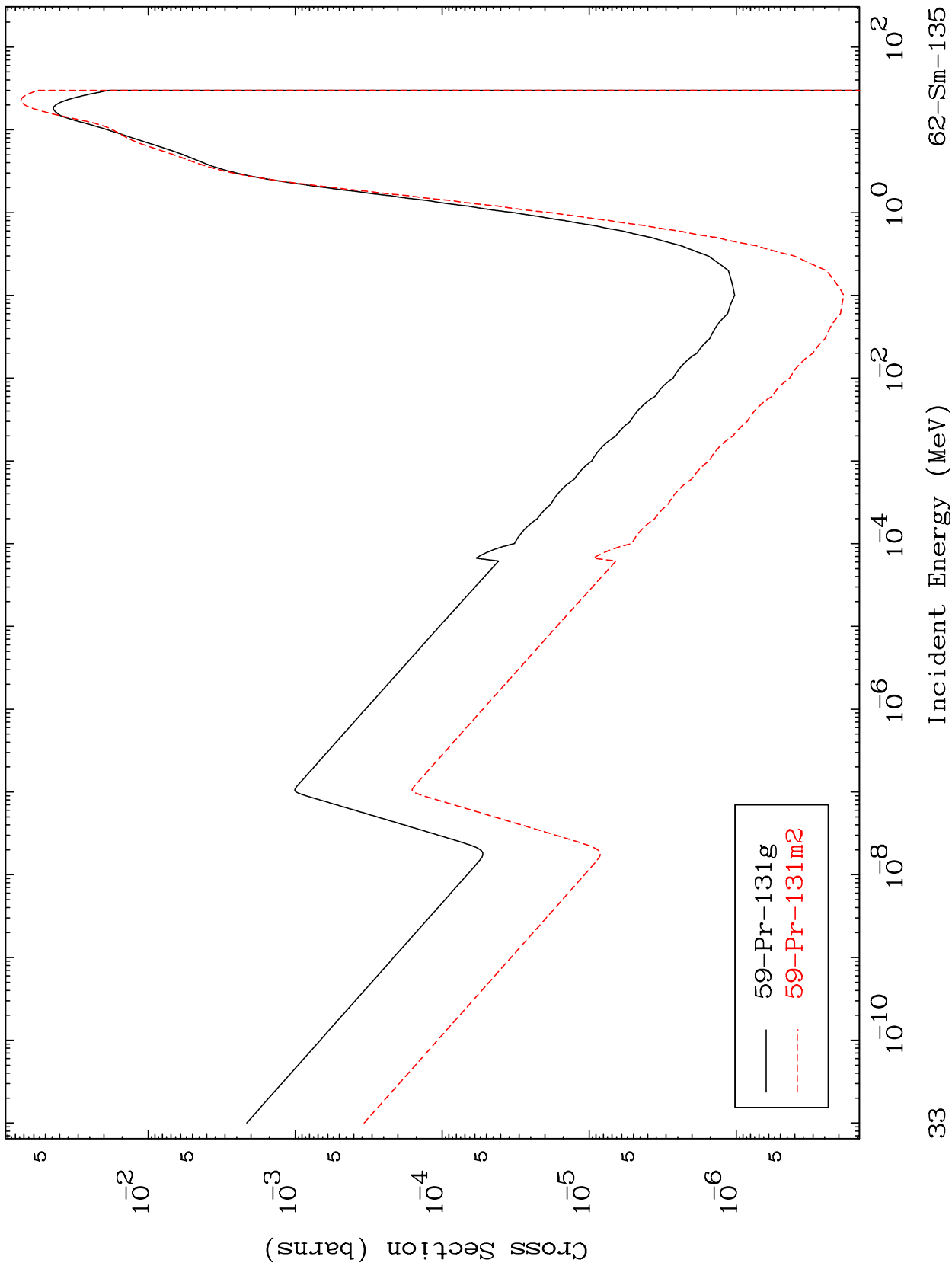
(n,He-3)

62-Sm-135

Radionuclide Production Cross Section



Radionuclide Production Cross Section

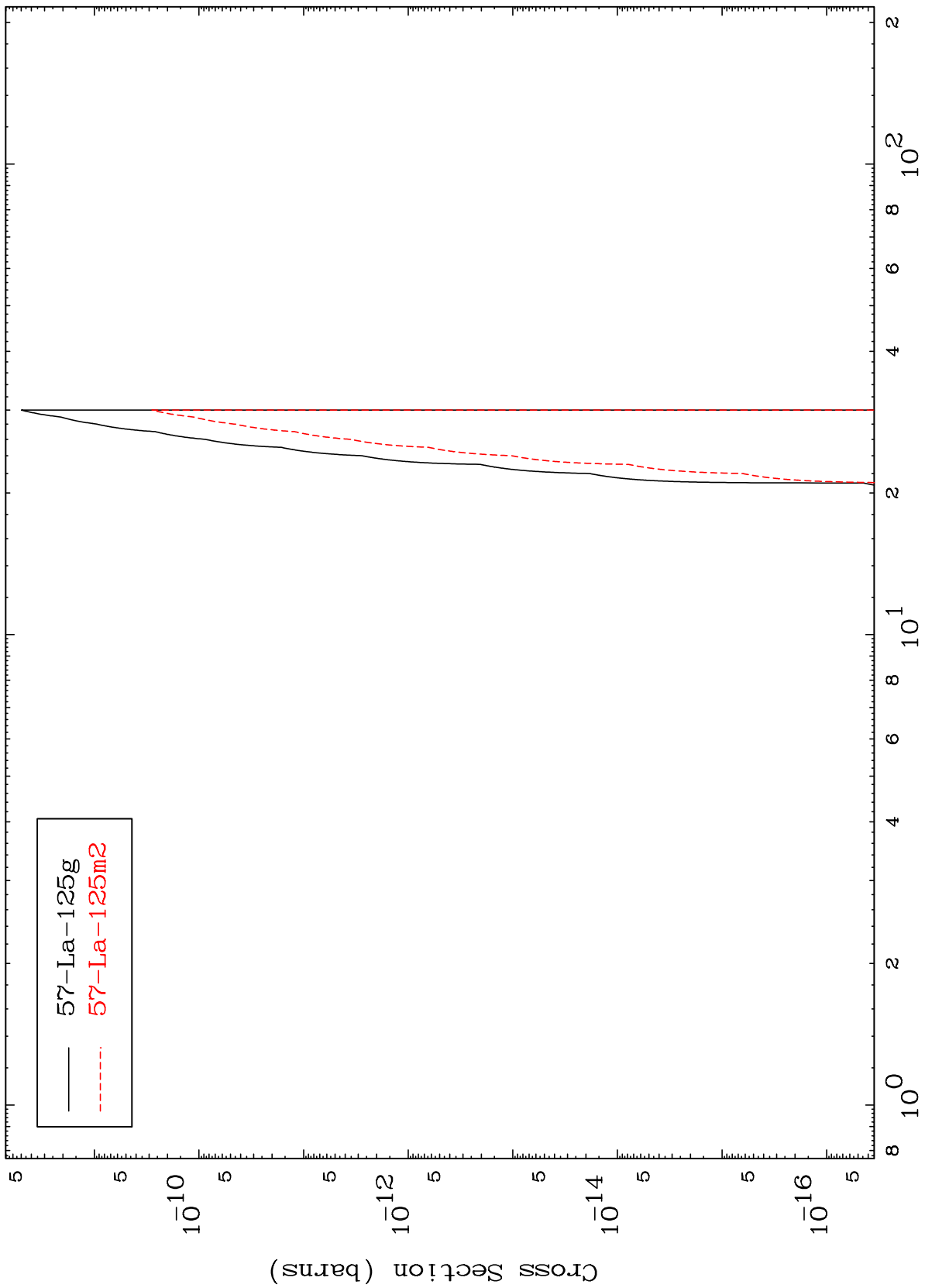


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(n,t) 2 α

62-Sm-135

Radionuclide Production Cross Section



— 57-La-125g
- - - 57-La-125m2

34

Incident Energy (MeV)

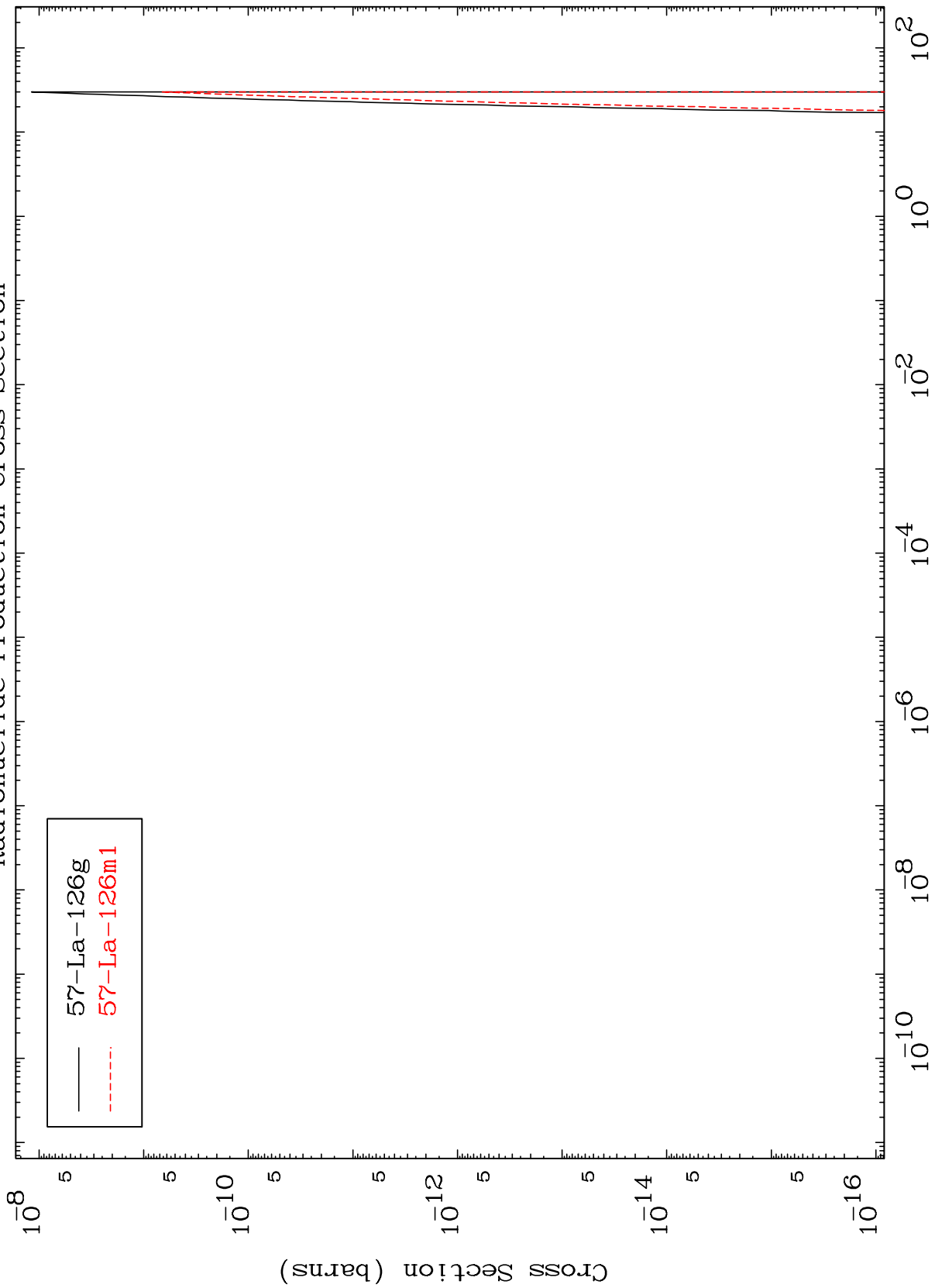
62-Sm-135

MAT 6198

(n,d) 2 α

62-Sm-135

Radionuclide Production Cross Section

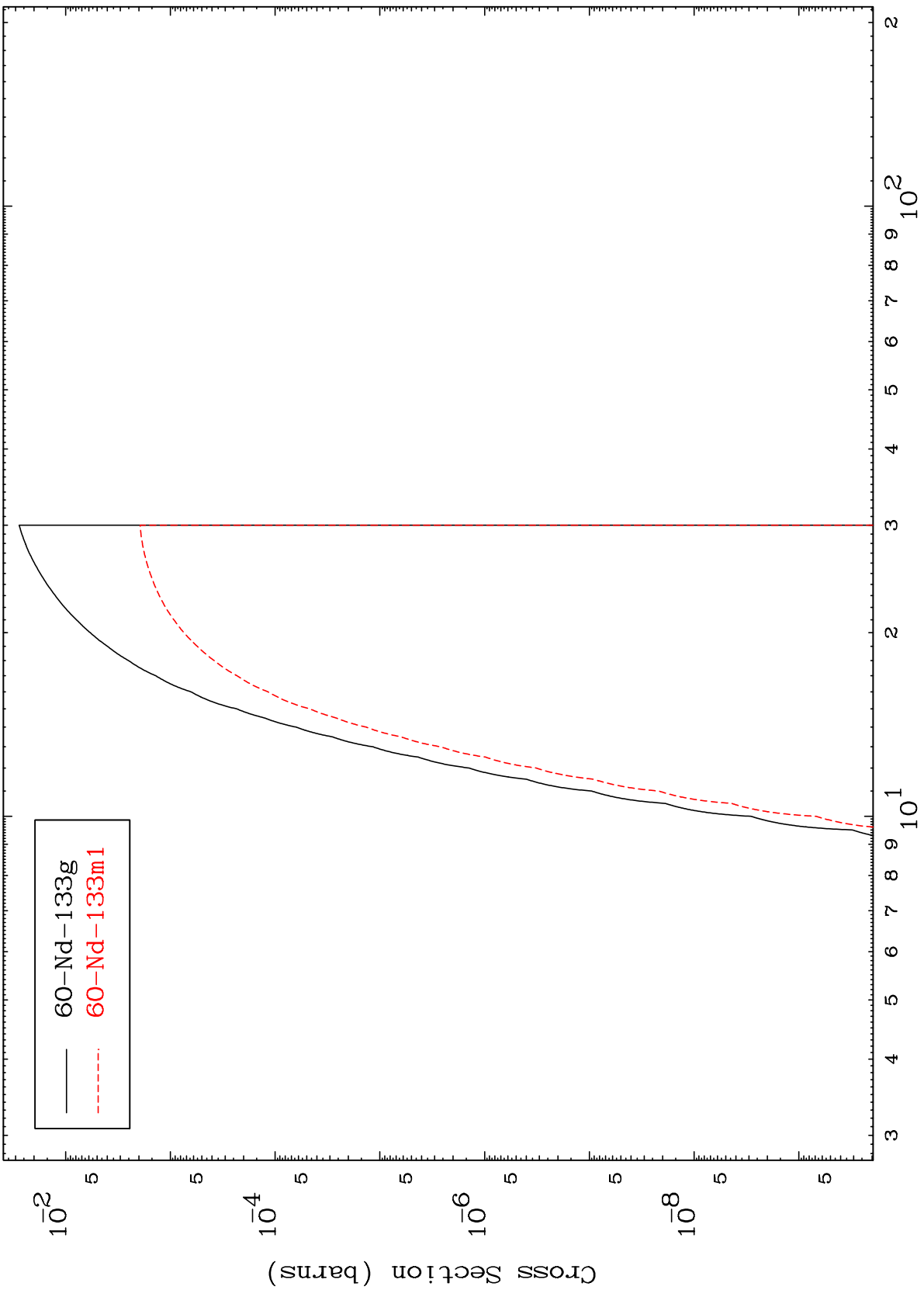


MAT 6198

(n,p) d

62-Sm-135

Radionuclide Production Cross Section



— 60-Nd-133g
- - - 60-Nd-133m1

36

Incident Energy (MeV)

62-Sm-135