

Program EVALPLOT
(Version 2018-1)

by

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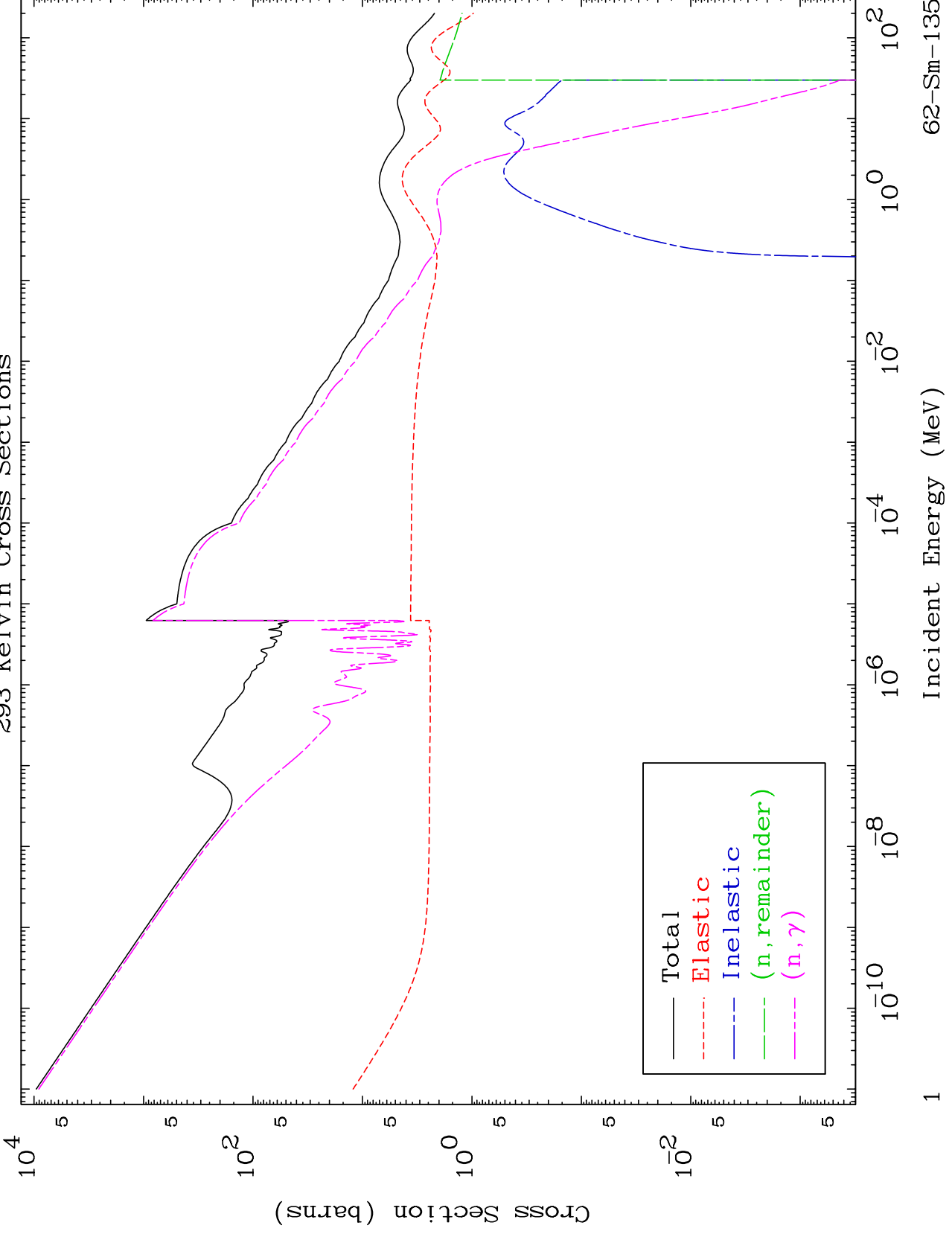
Press Mouse Button to Start

MAT 6198

Major

293 Kelvin Cross Sections

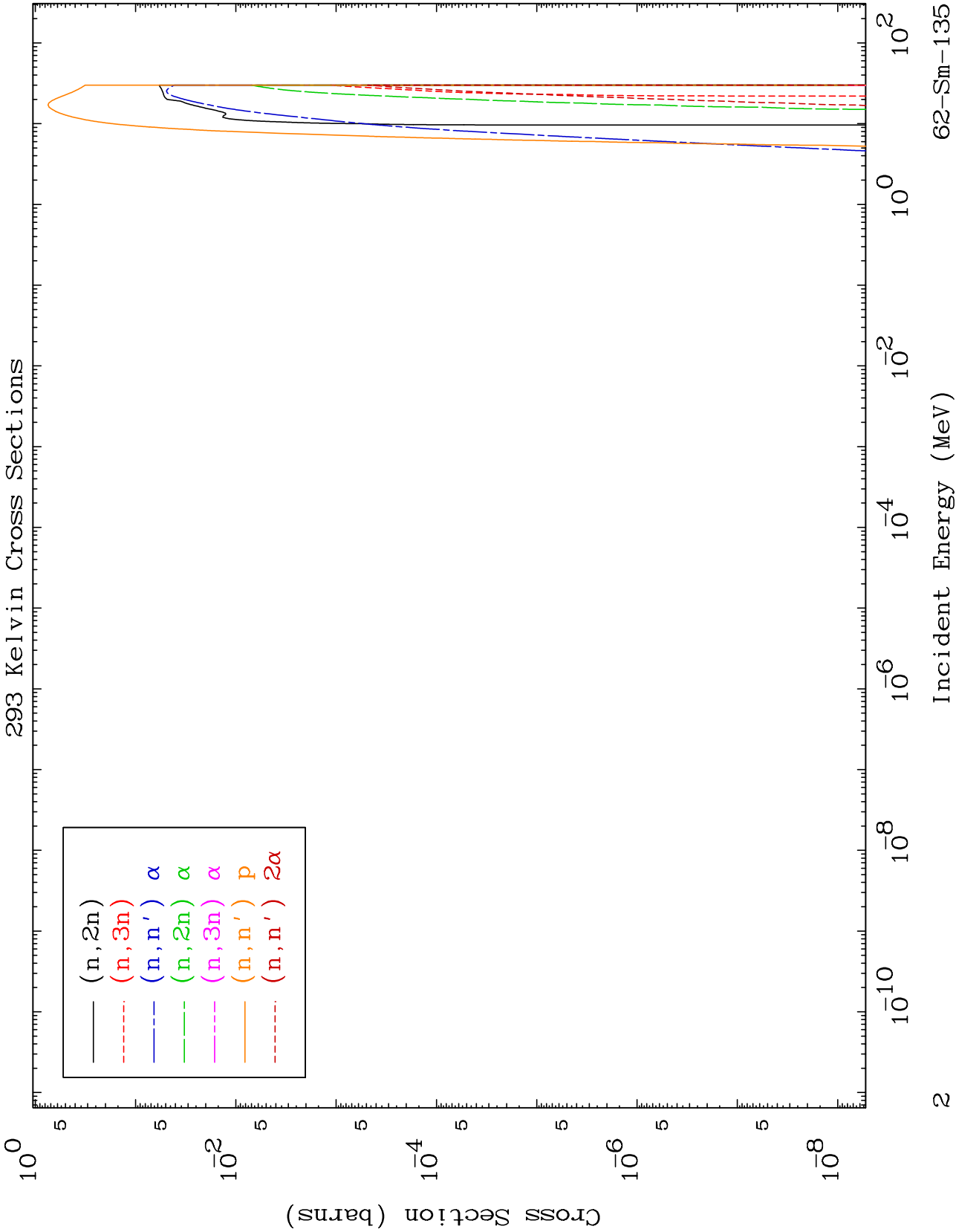
62-Sm-135

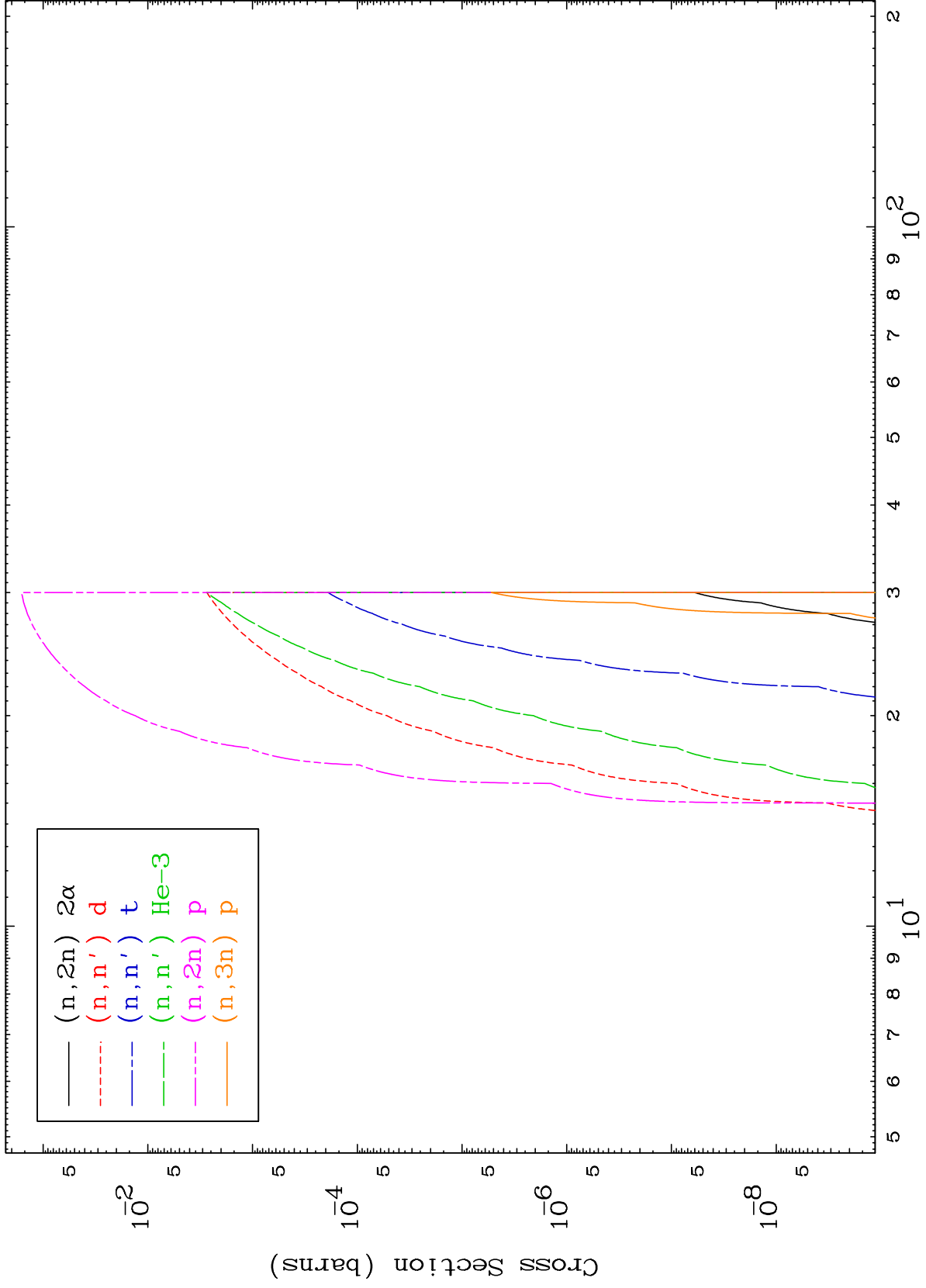


MAT 6198

Neutron Production
293 Kelvin Cross Sections

62-Sm-135

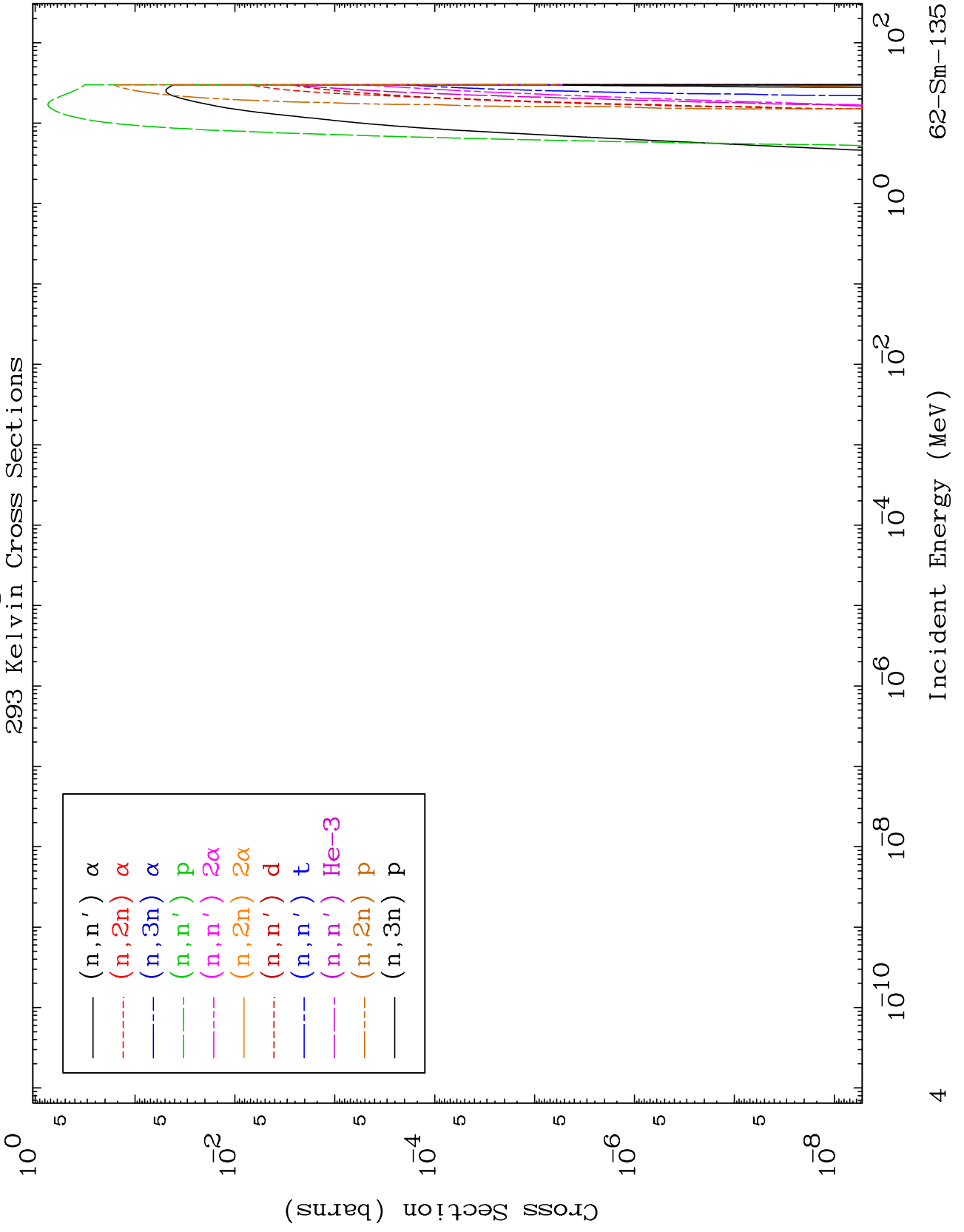




MAT 6198

Charged Particle
293 Kelvin Cross Sections

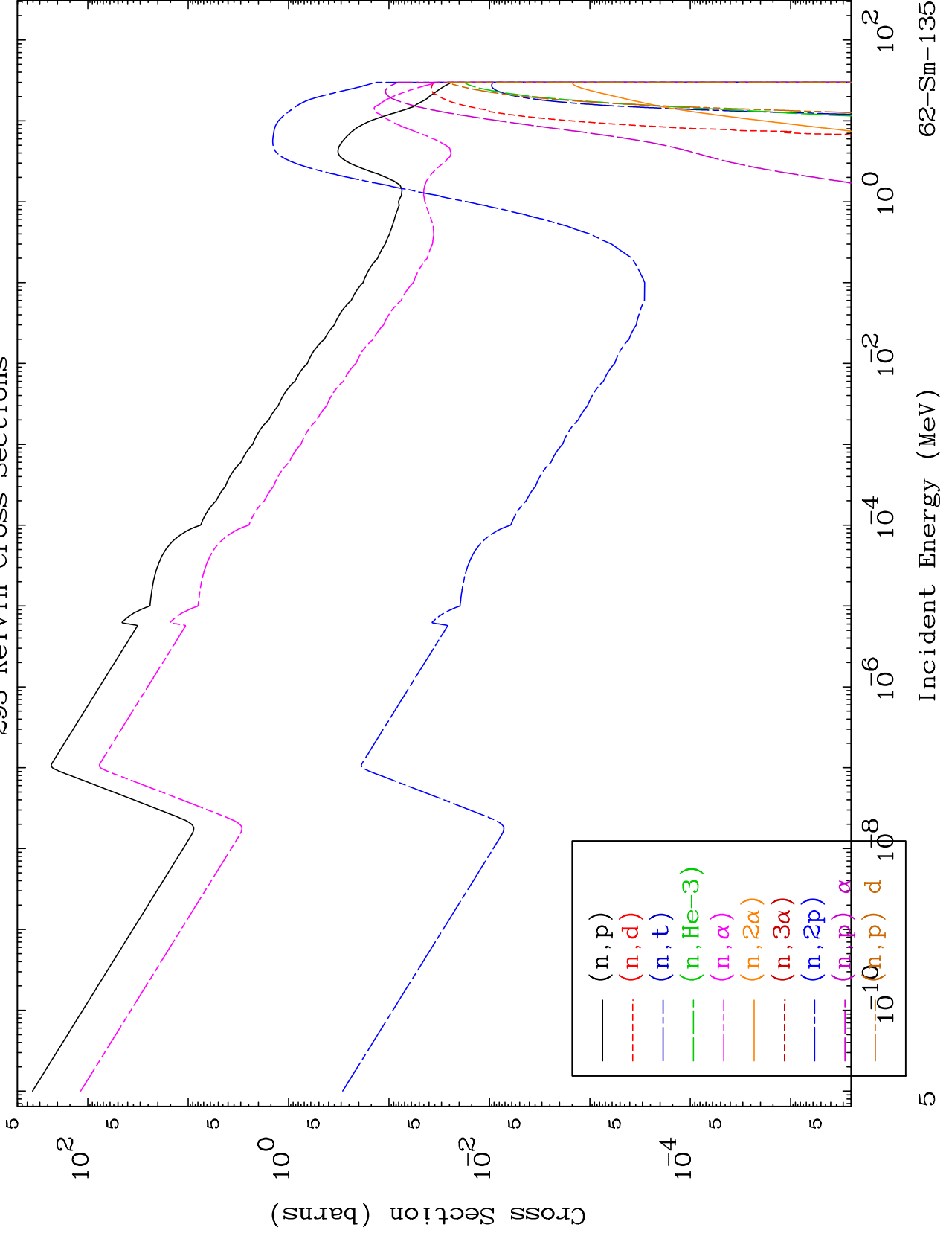
62-Sm-135



MAT 6198

Charged Particle
293 Kelvin Cross Sections

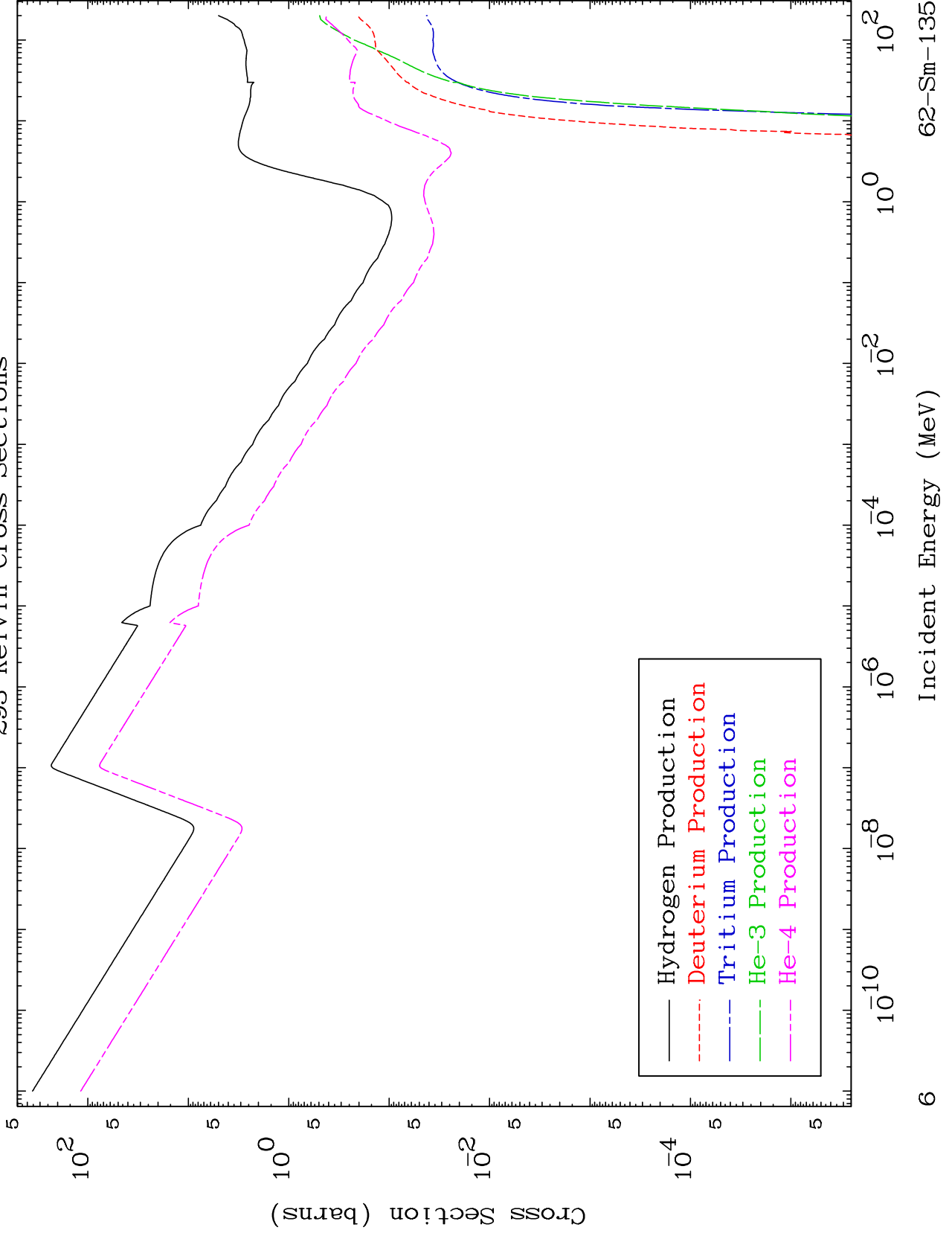
62-Sm-135



MAT 6198

Particle Production
293 Kelvin Cross Sections

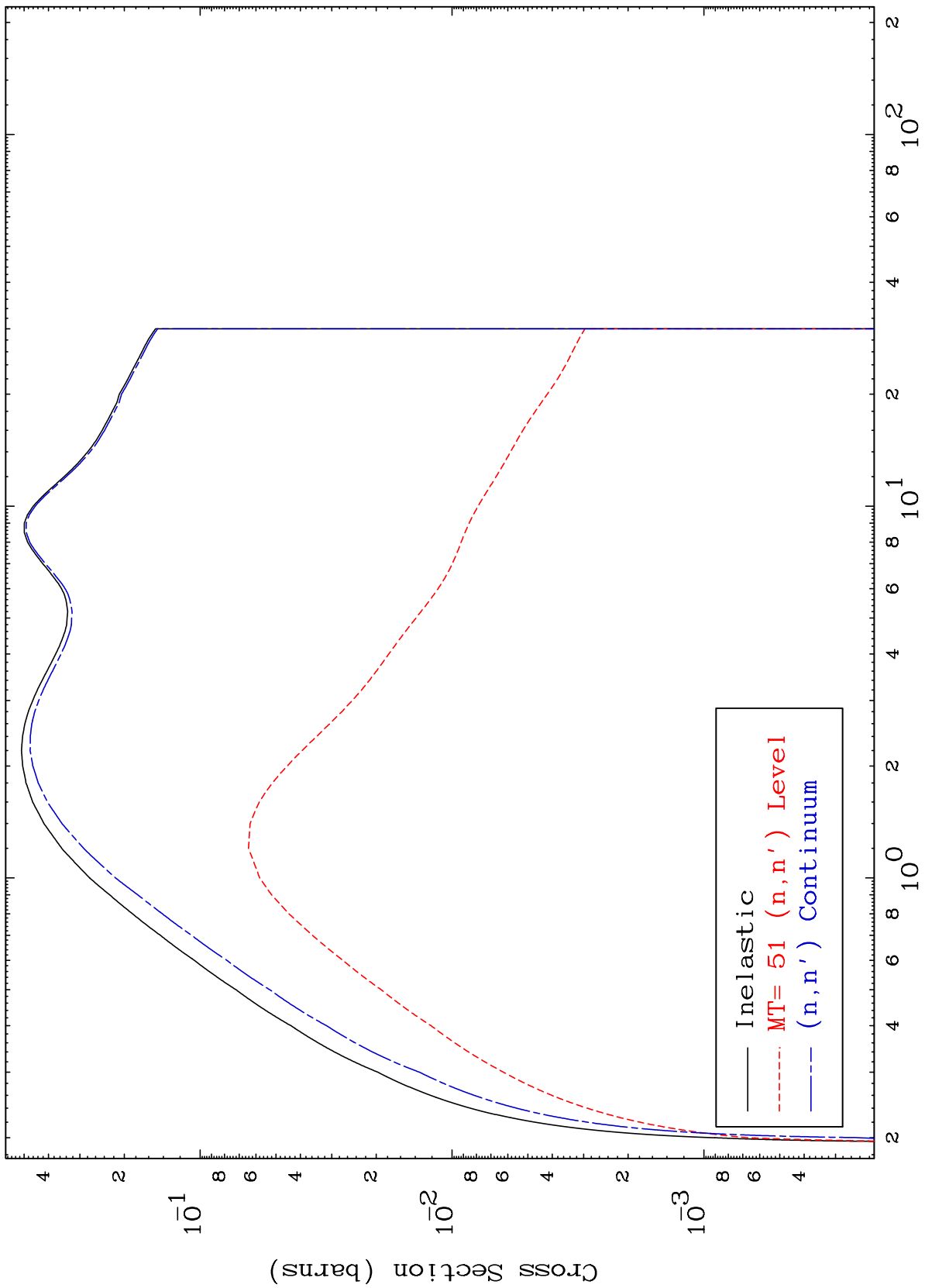
62-Sm-135



MAT 6198

62-Sm-135

(n,n') Level
293 Kelvin Cross Sections



62-Sm-135

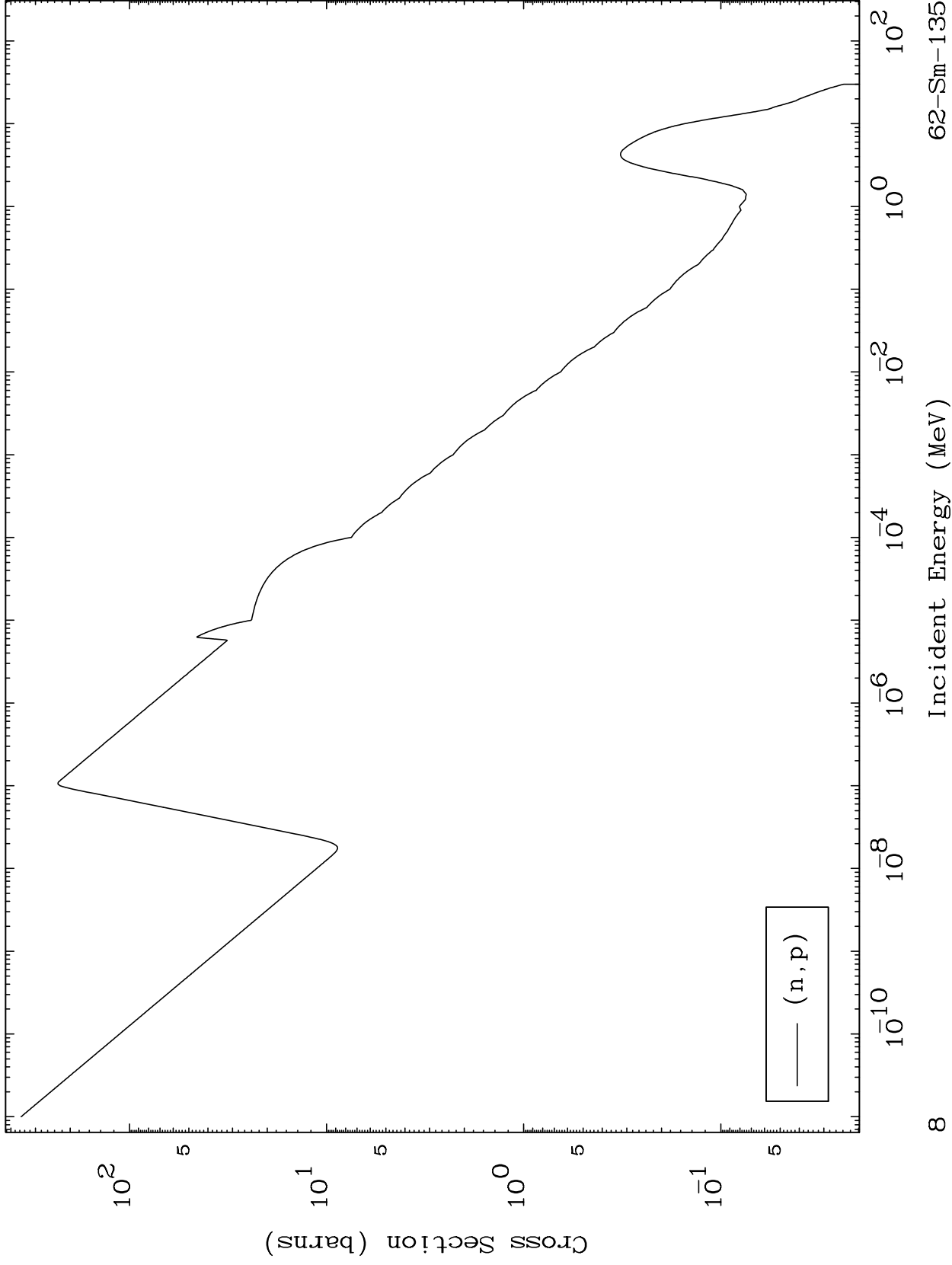
Incident Energy (MeV)

7

MAT 6198

(n,p) Levels
293 Kelvin Cross Sections

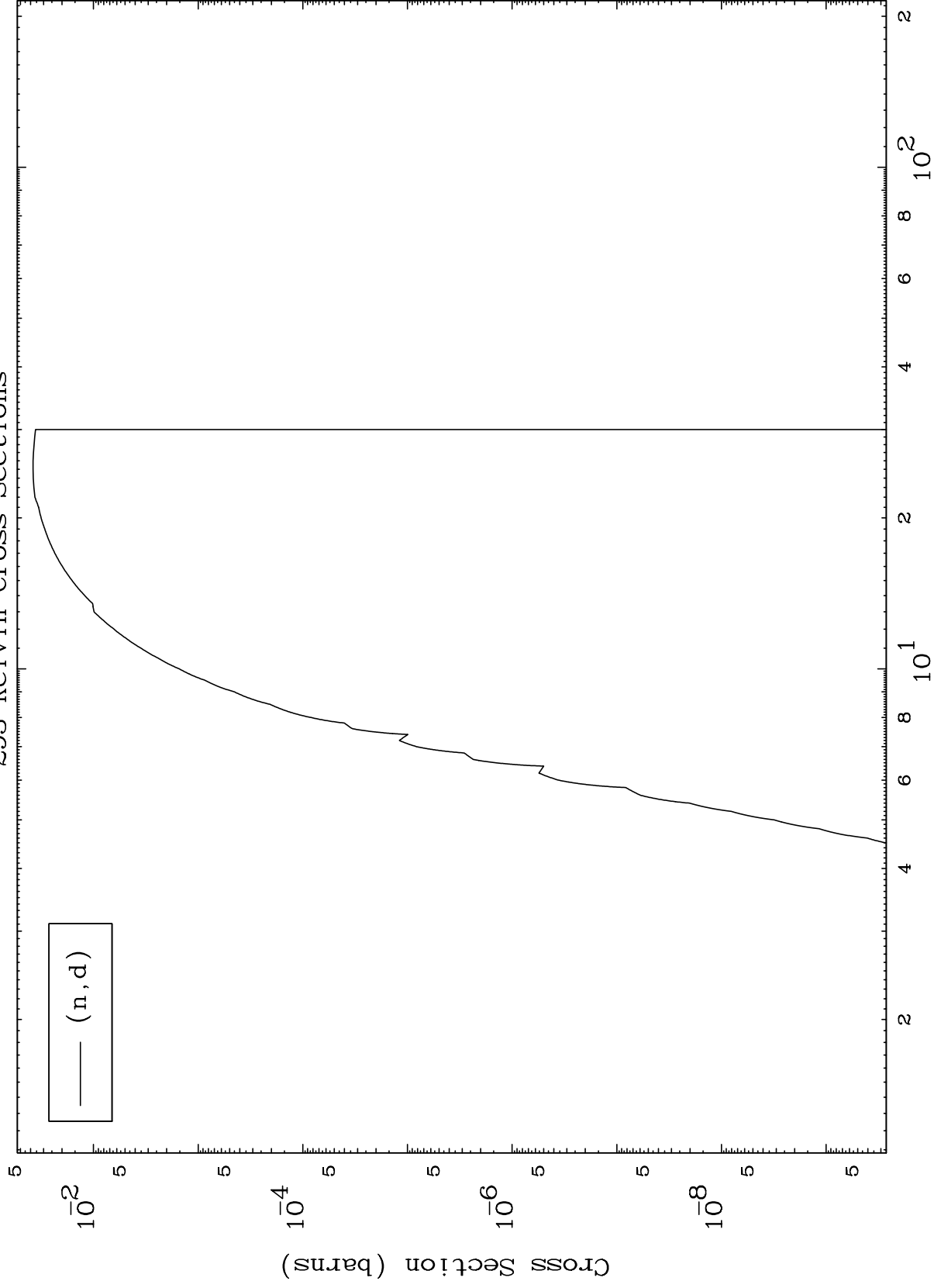
62-Sm-135



MAT 6198

(n,d) Levels
293 Kelvin Cross Sections

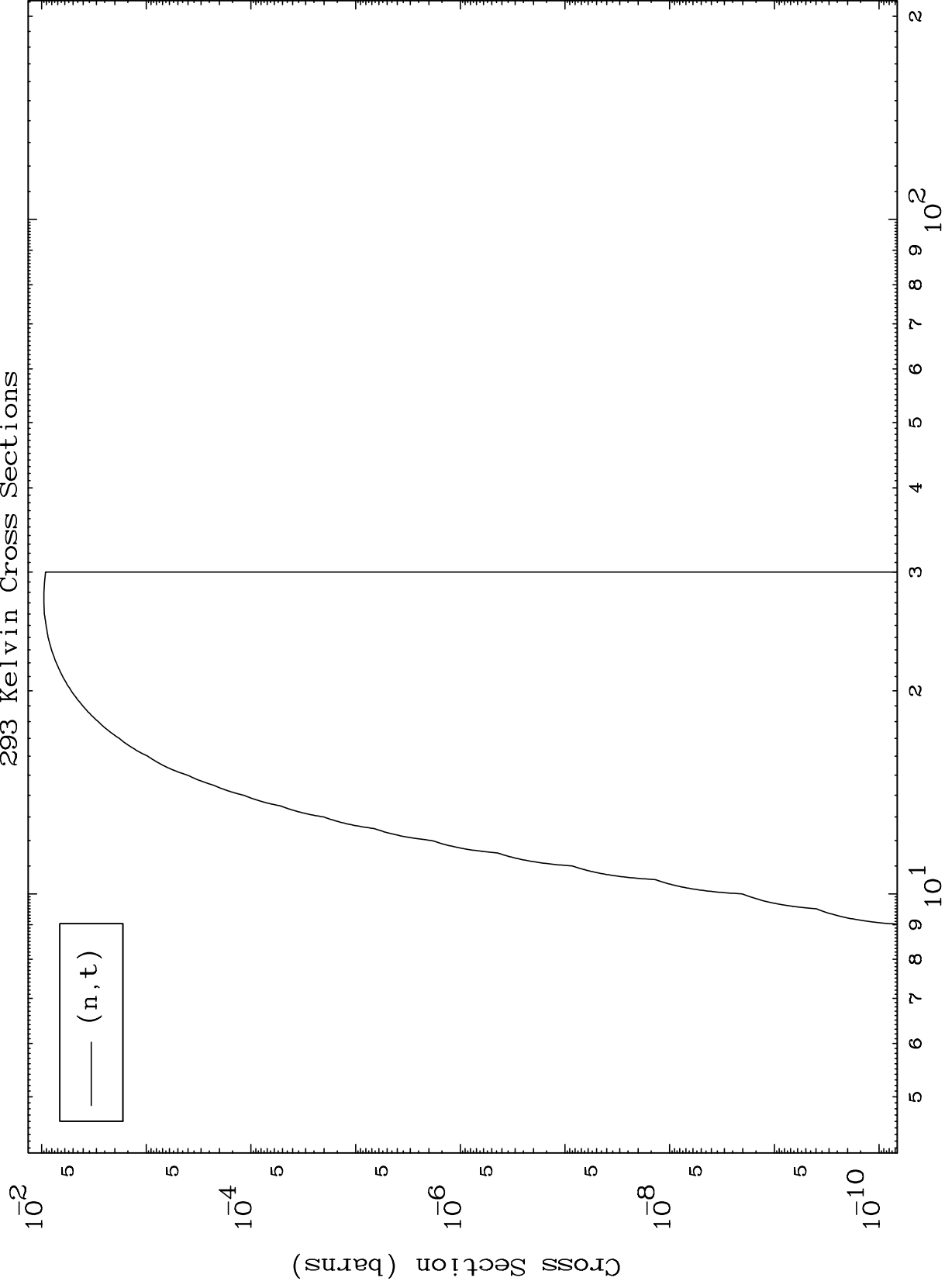
62-Sm-135



MAT 6198

(n,t) Levels
293 Kelvin Cross Sections

62-Sm-135



10

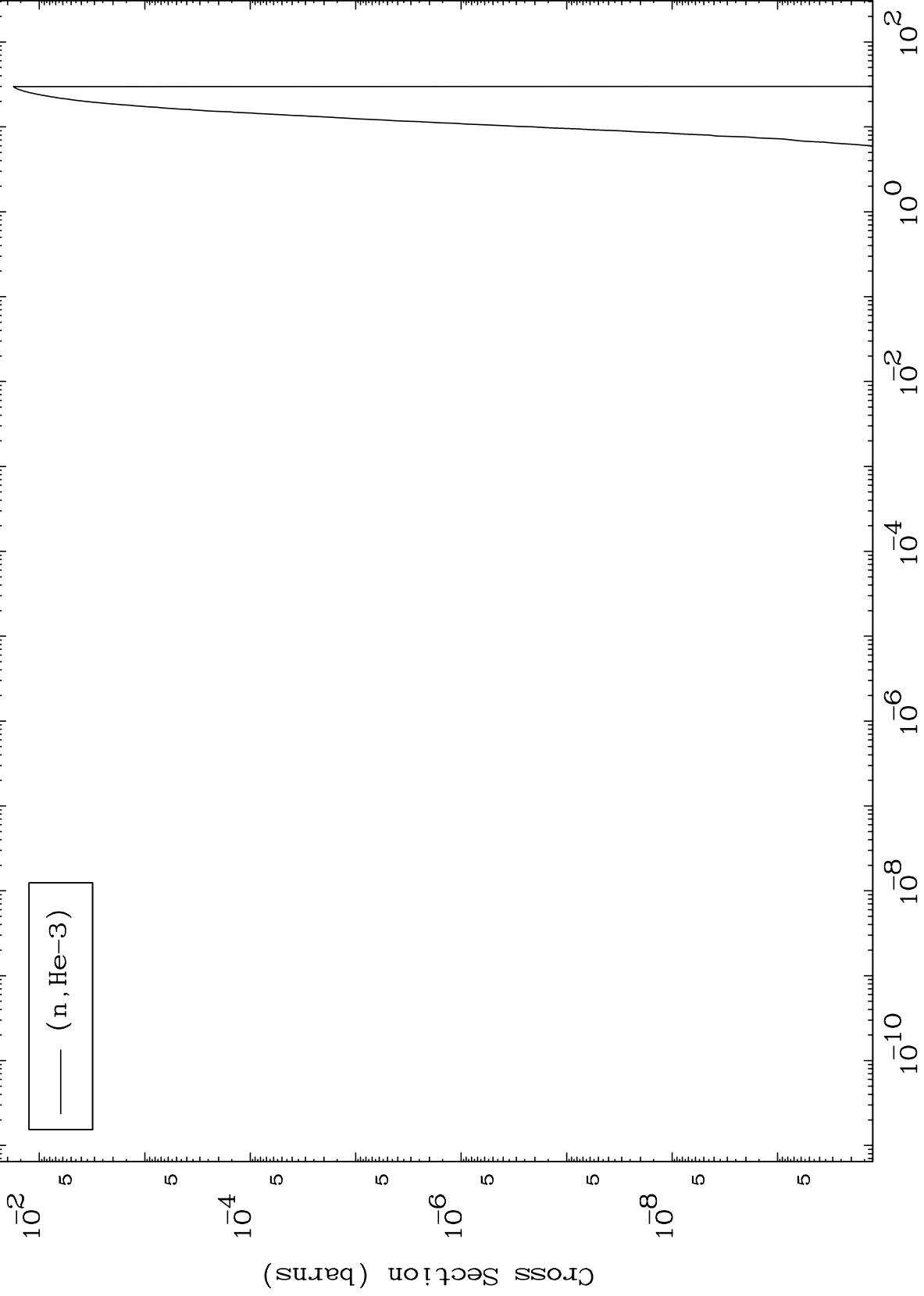
Incident Energy (MeV)

62-Sm-135

MAT 6198

(n,He3) Levels
293 Kelvin Cross Sections

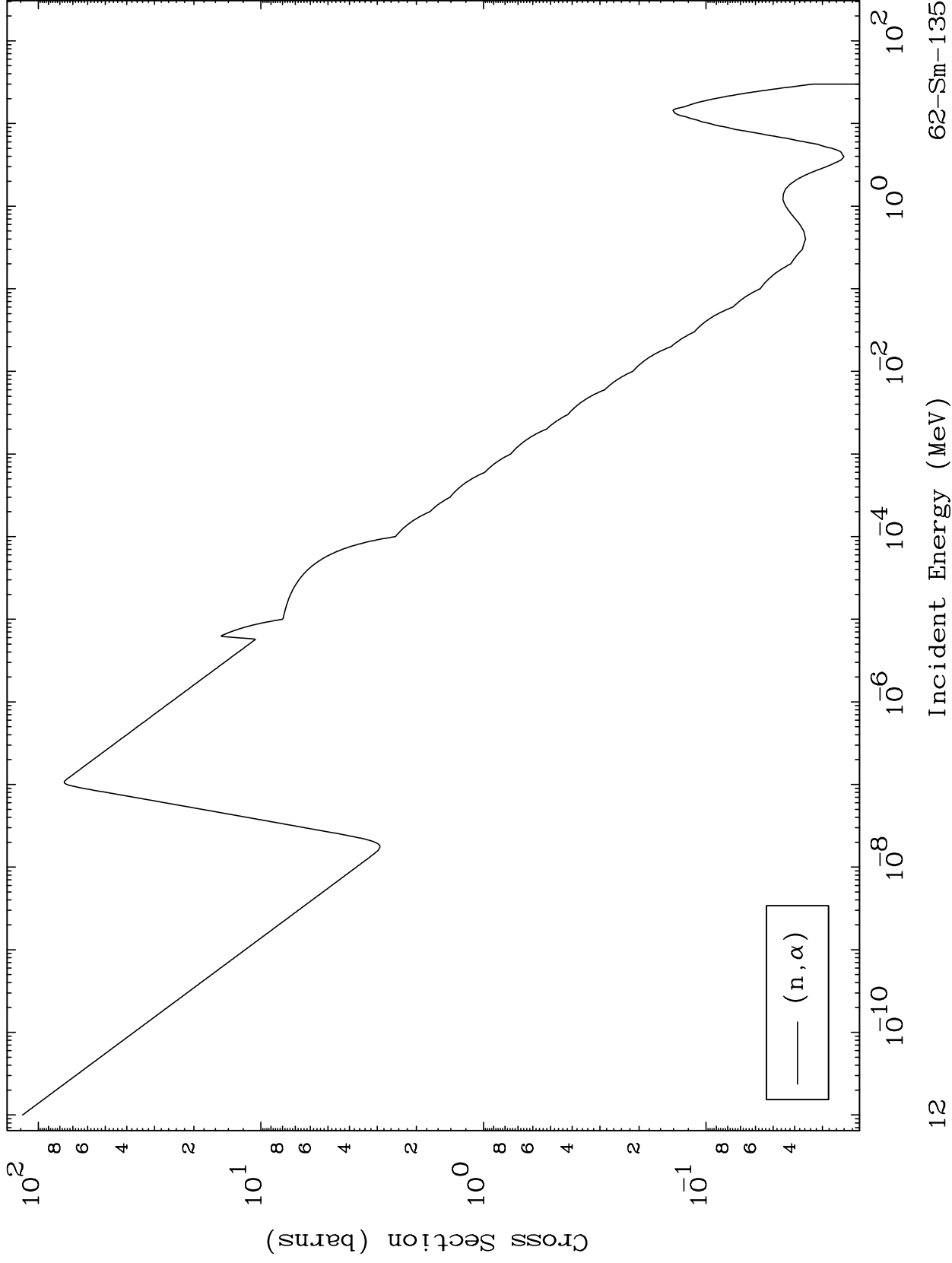
62-Sm-135

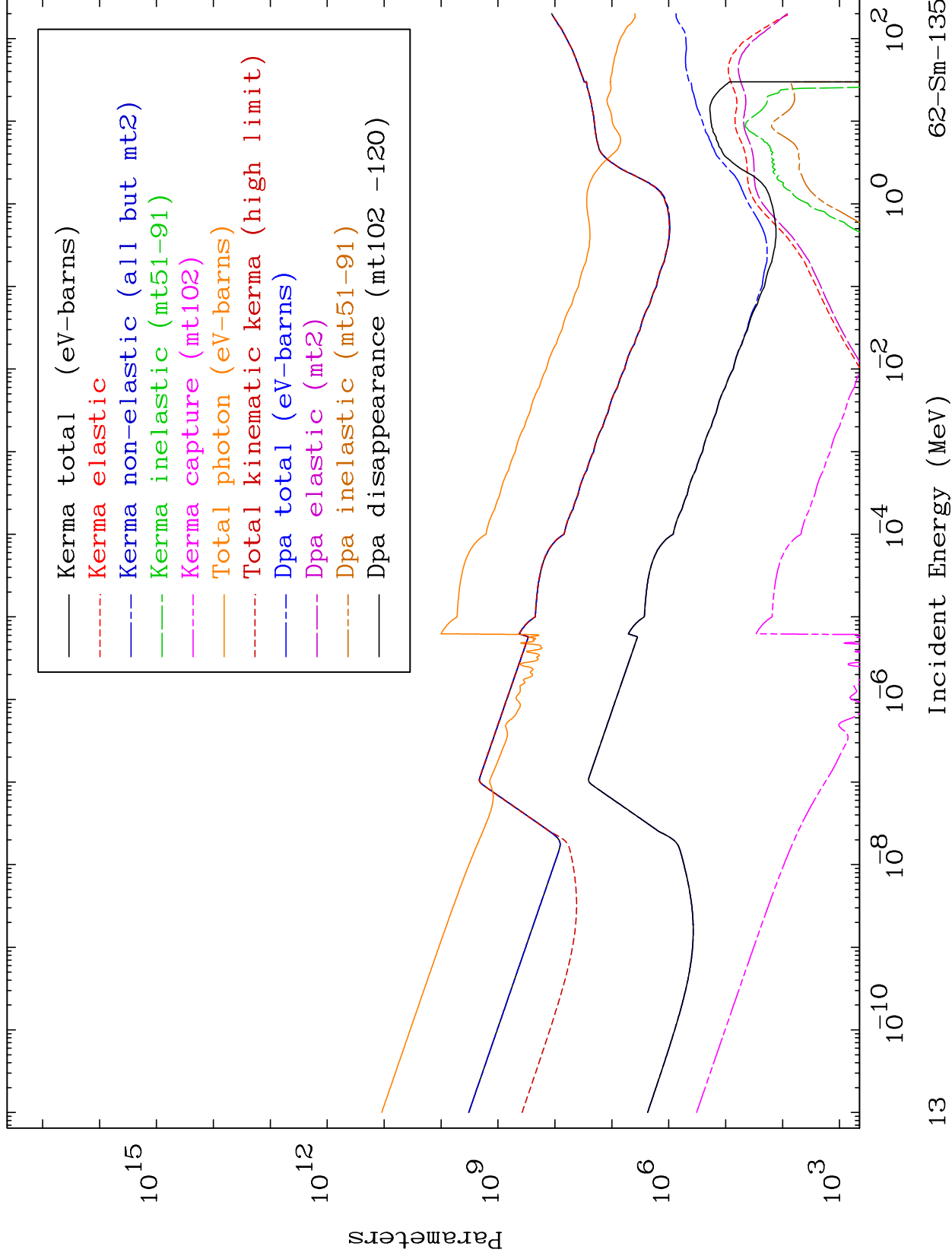


MAT 6198

(n,α) Levels
293 Kelvin Cross Sections

62-Sm-135

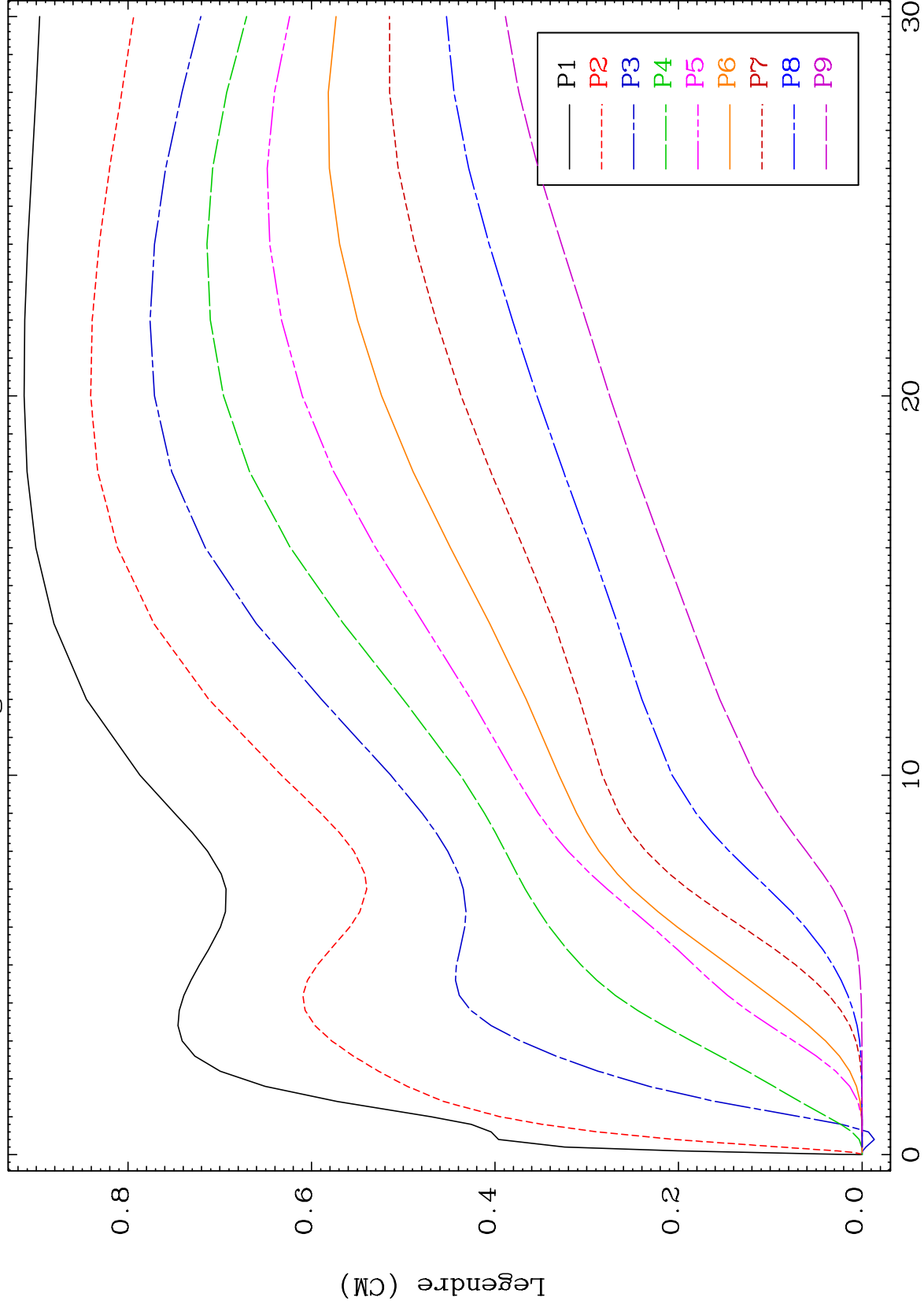




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Elastic Legendre Coefficients

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



14

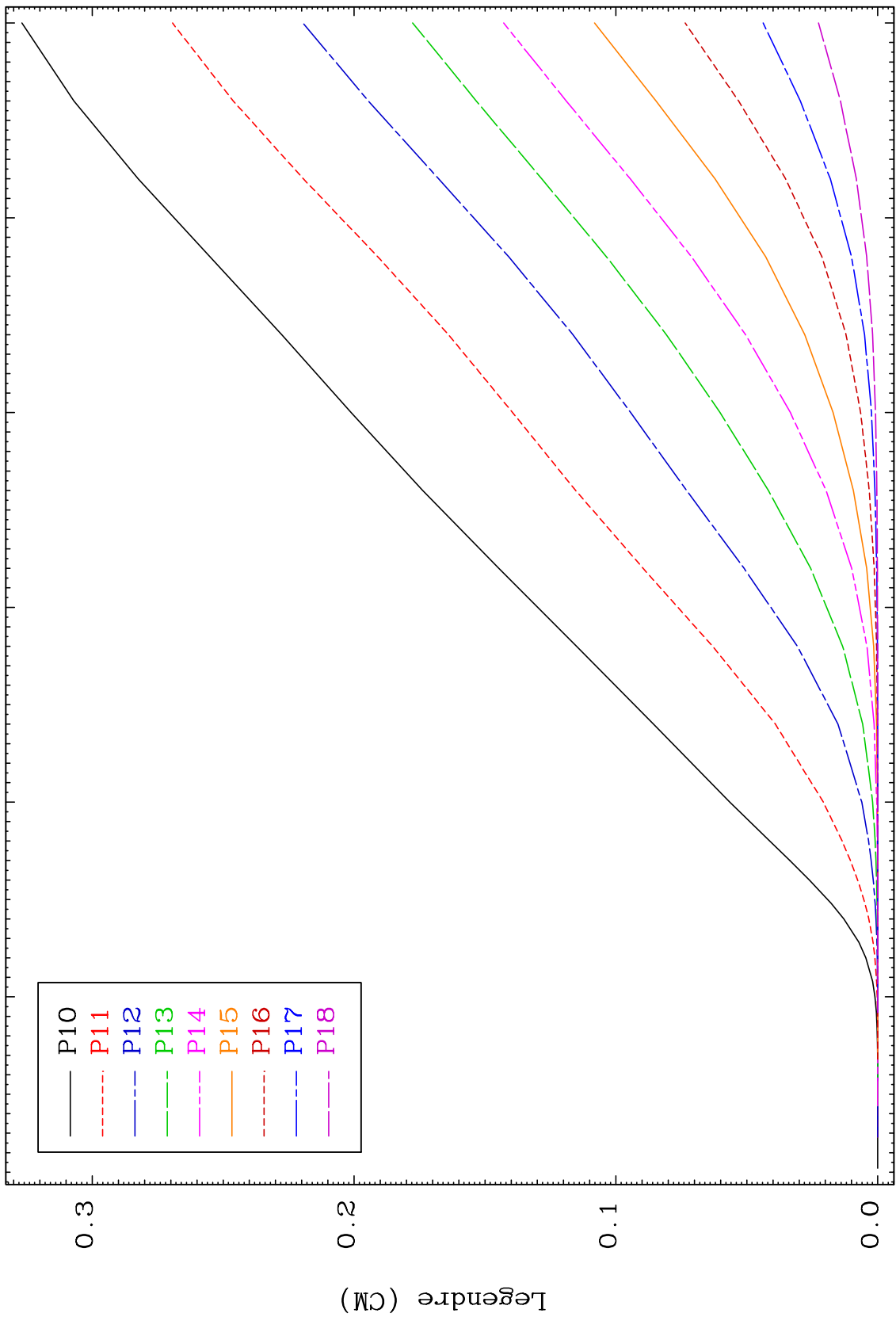
Incident Energy (MeV)

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

MAT 6198

Elastic Legendre Coefficients

62-Sm-135



15

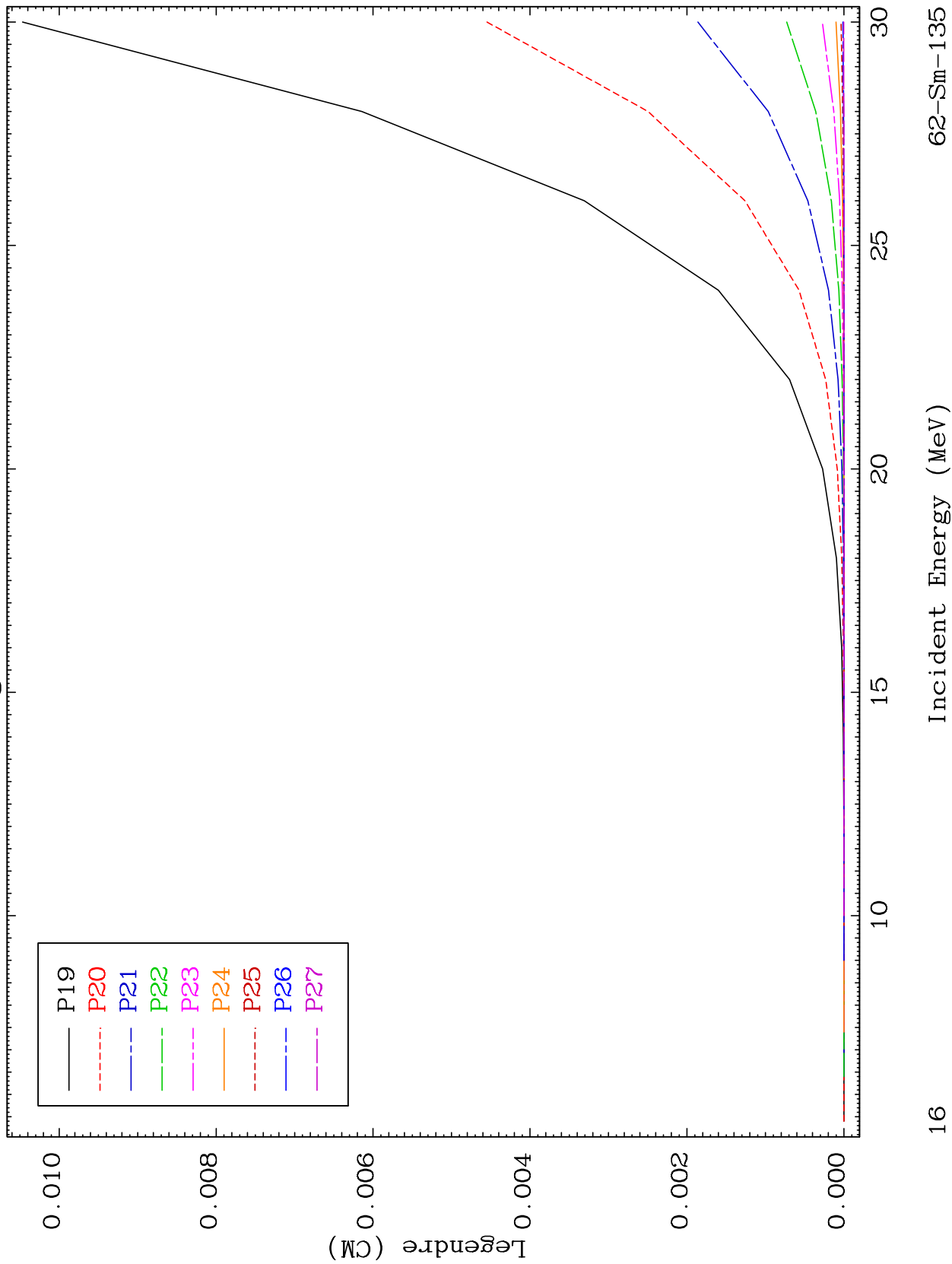
Incident Energy (MeV)

62-Sm-135

MAT 6198

Elastic Legendre Coefficients

⁶²Sm-135



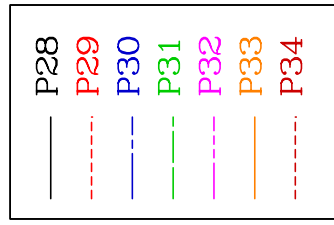
16

⁶²Sm-135

MAT 6198

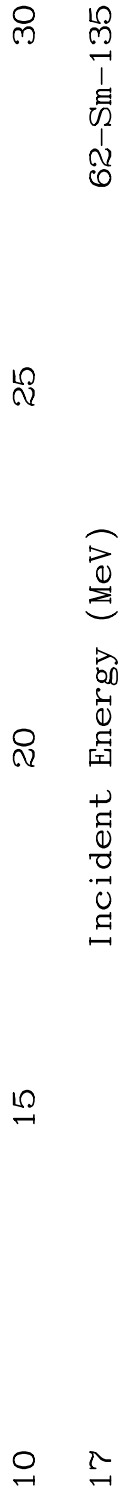
Elastic Legendre Coefficients

⁶²Sm-135



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

Legendre (CM)

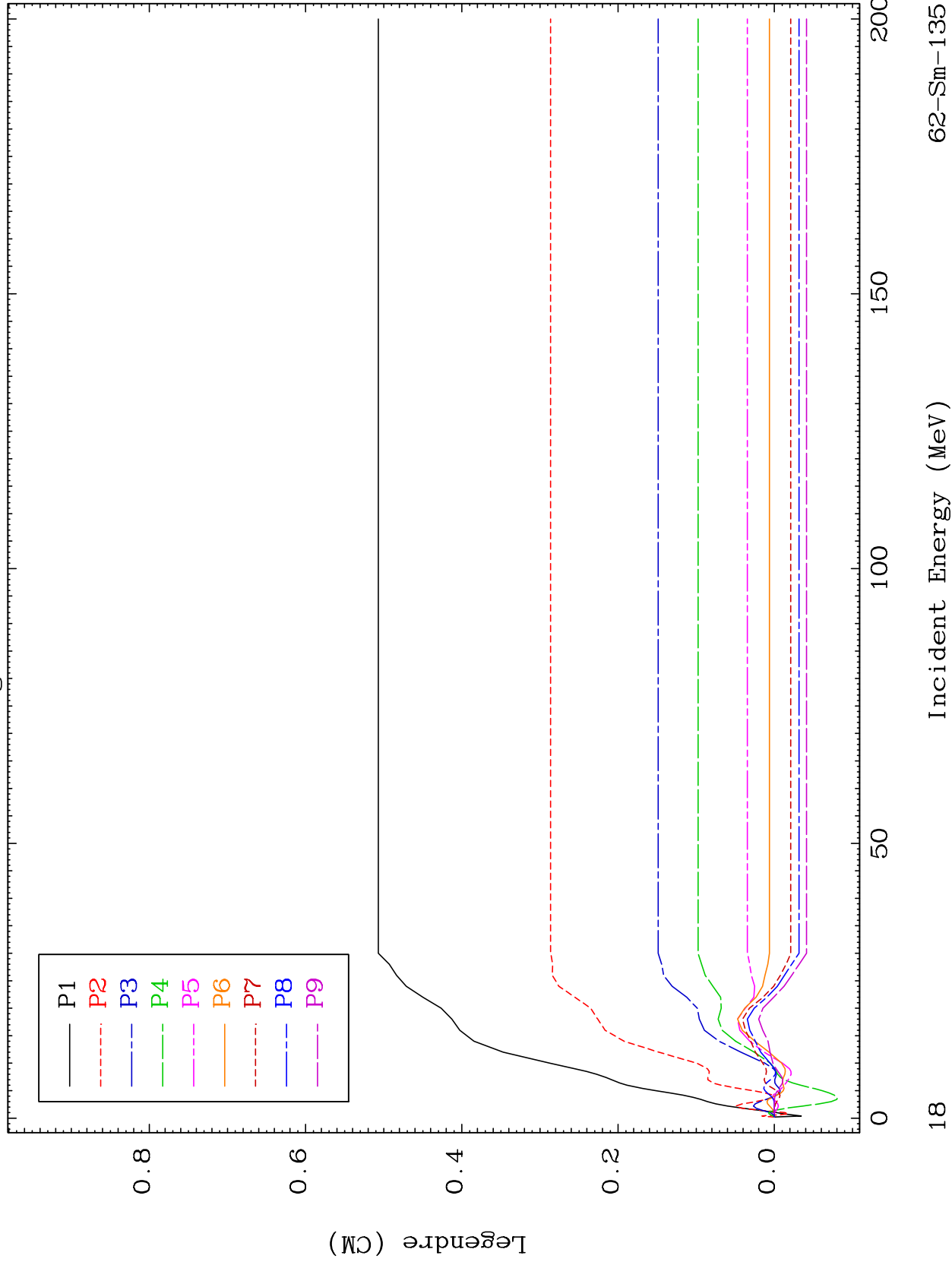


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MT= 51 (n,n') Level
Legendre Coefficients

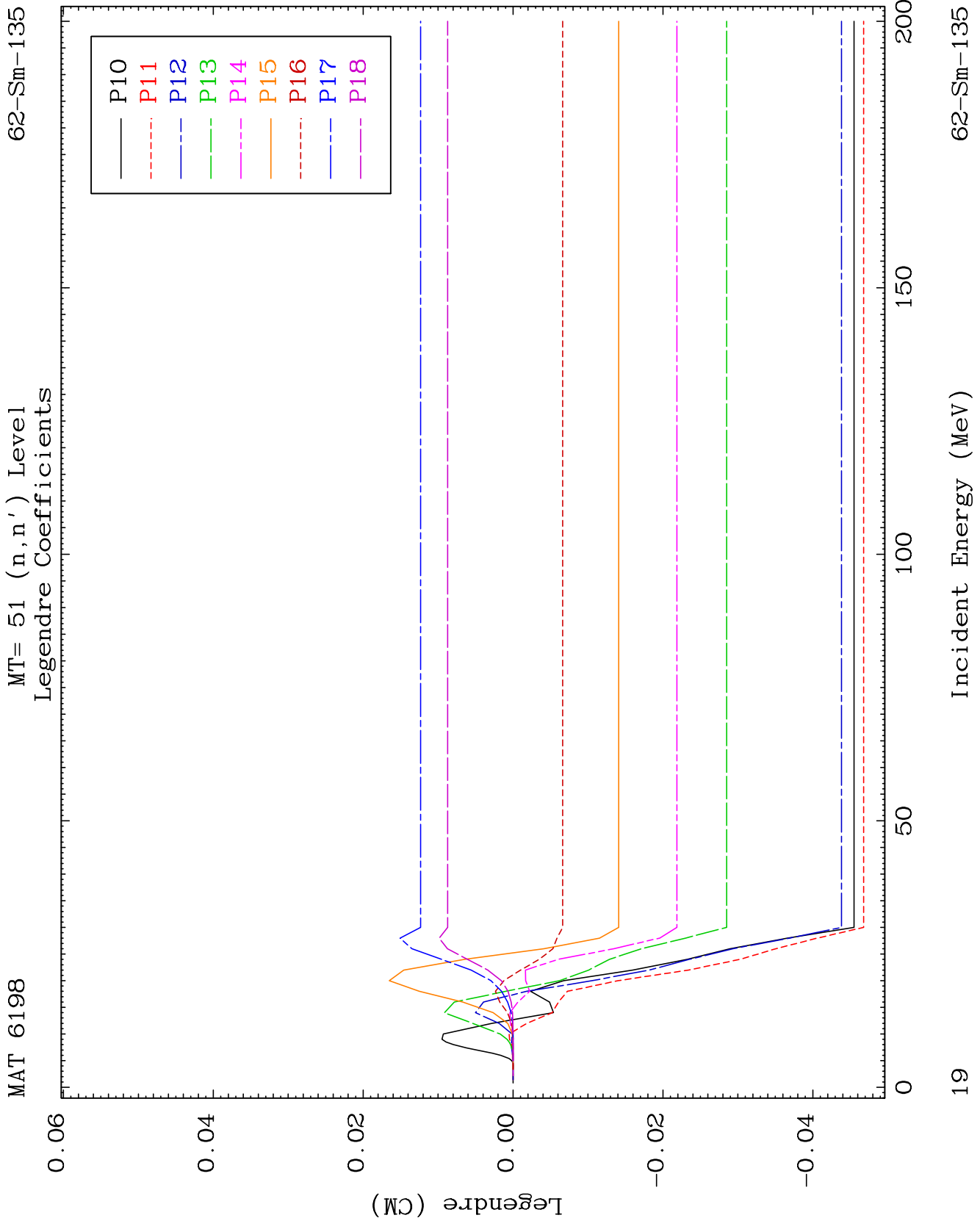
62-Sm-135



62-Sm-135

Incident Energy (MeV)

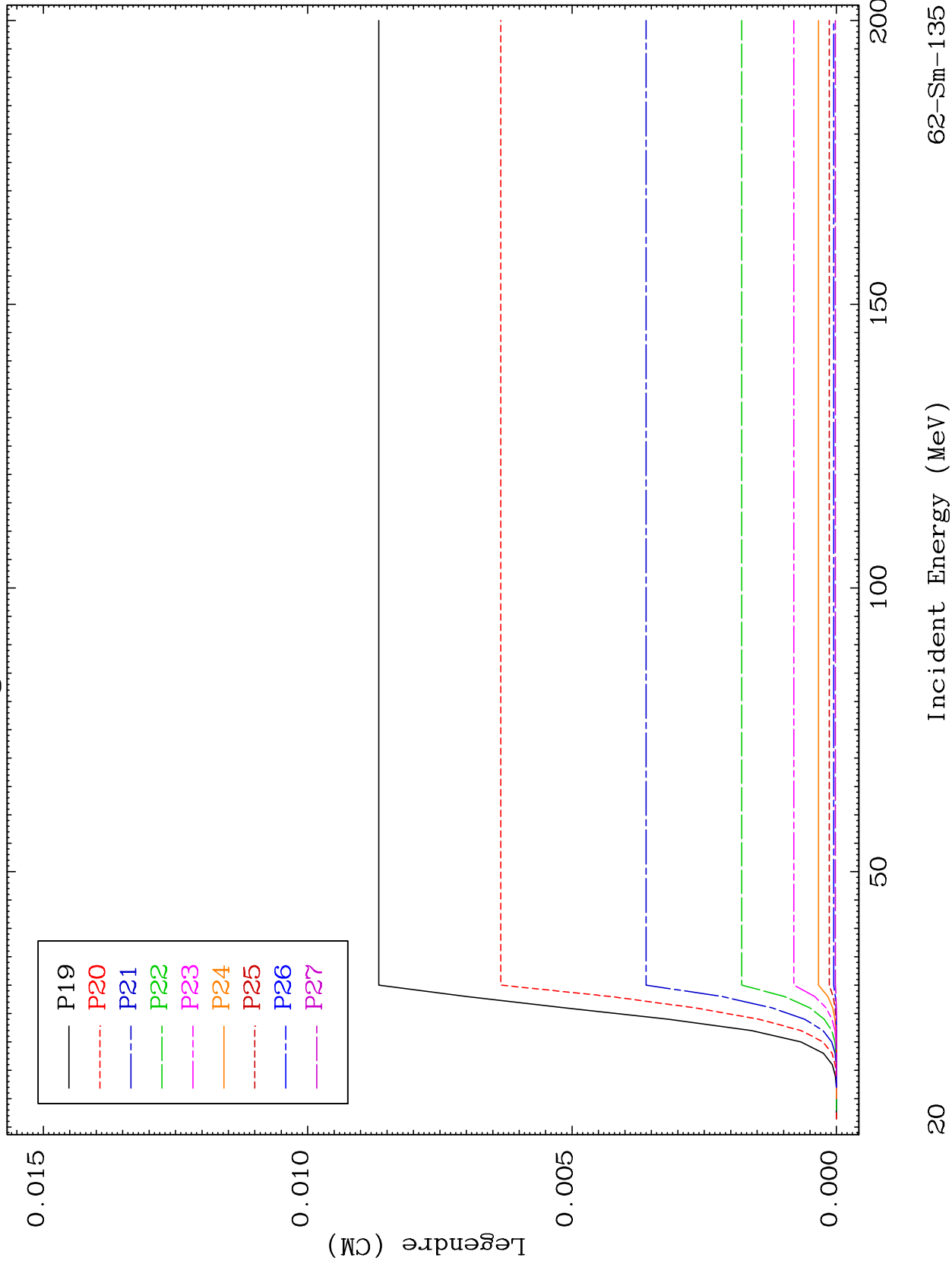
18



MAT 6198

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

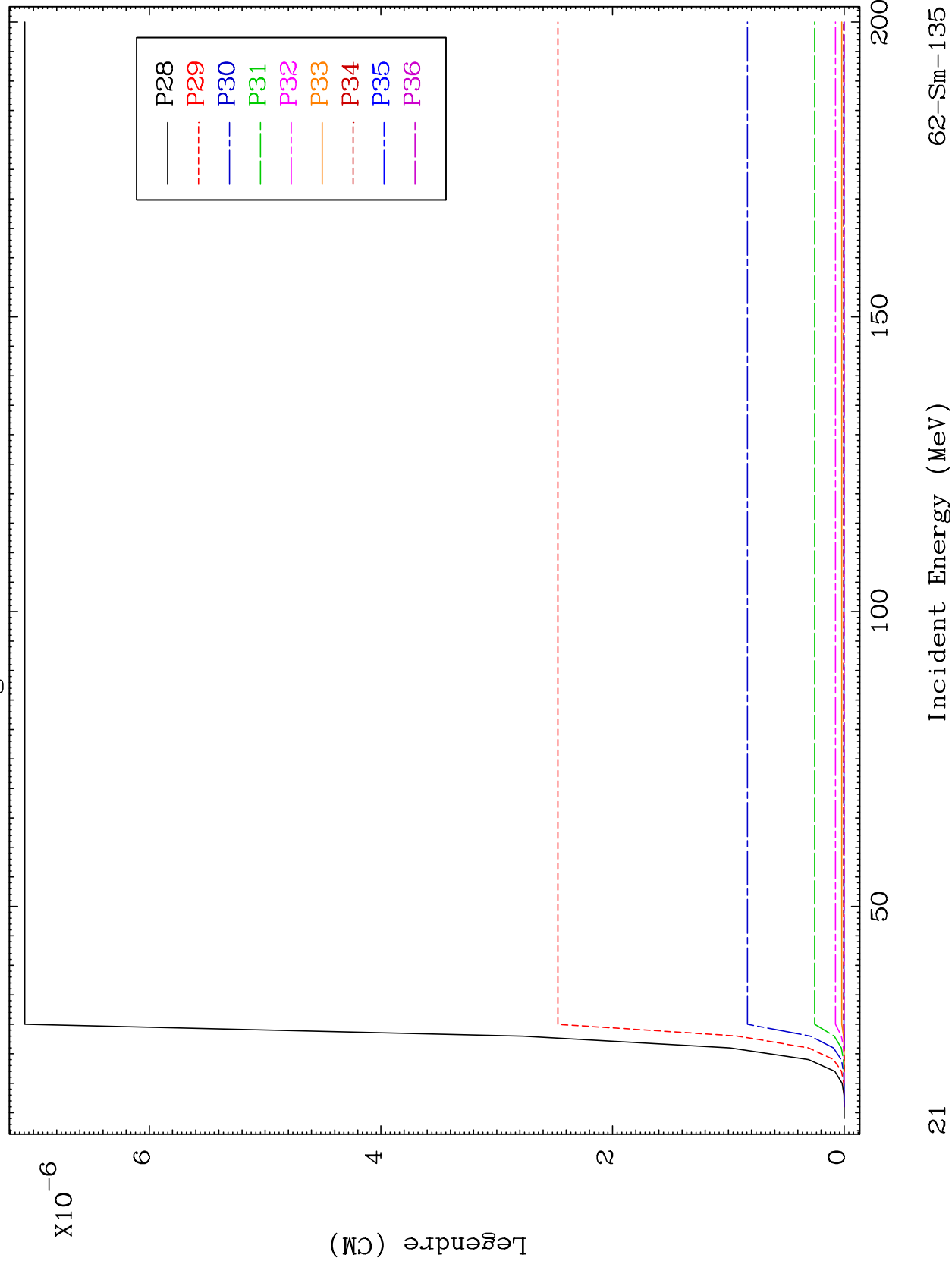
62-Sm-135



MAT 6198

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

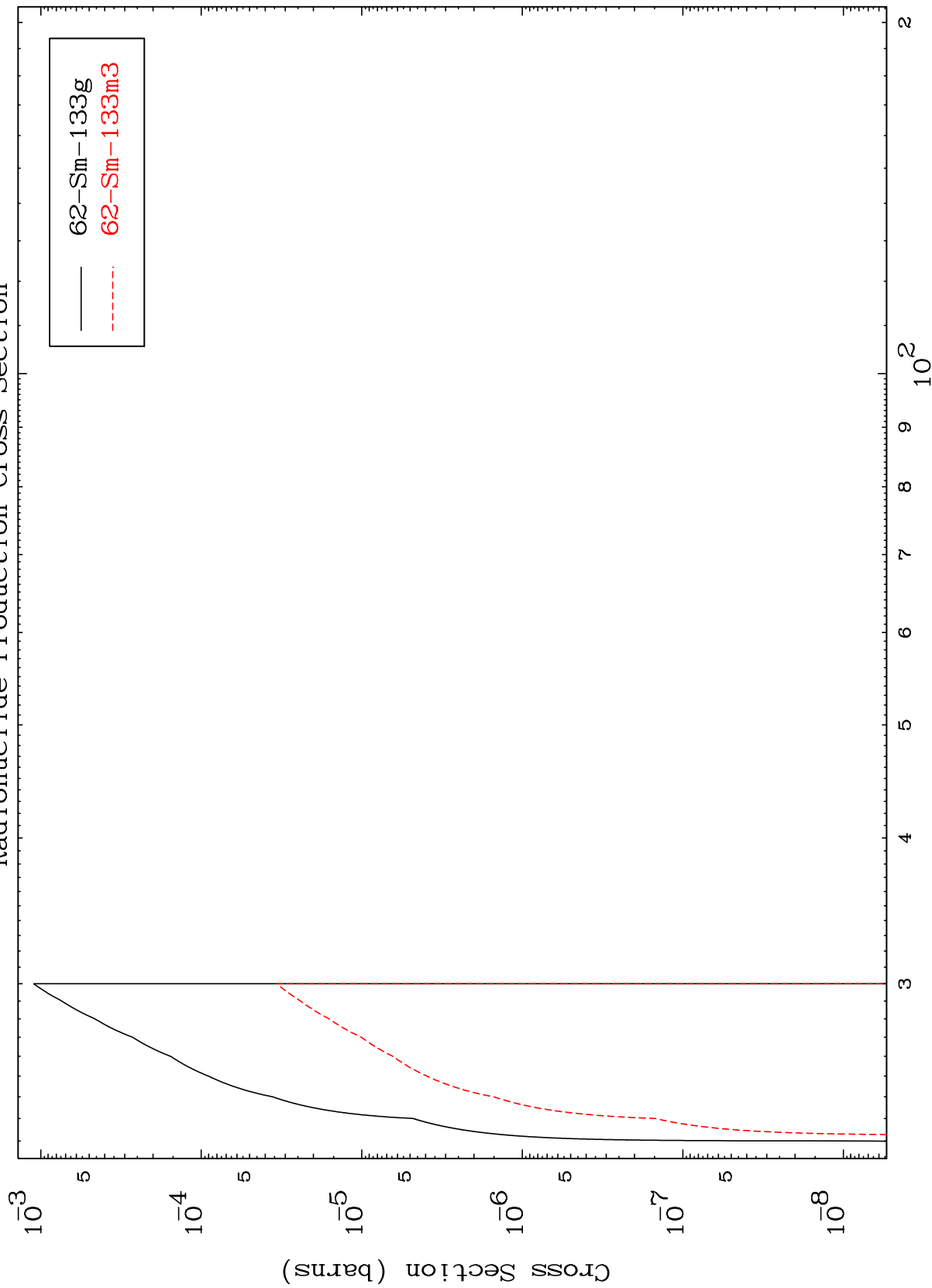
62-Sm-135



MAT 6198

62-Sm-135

(n,3n)
Radionuclide Production Cross Section



62-Sm-135

Incident Energy (MeV)

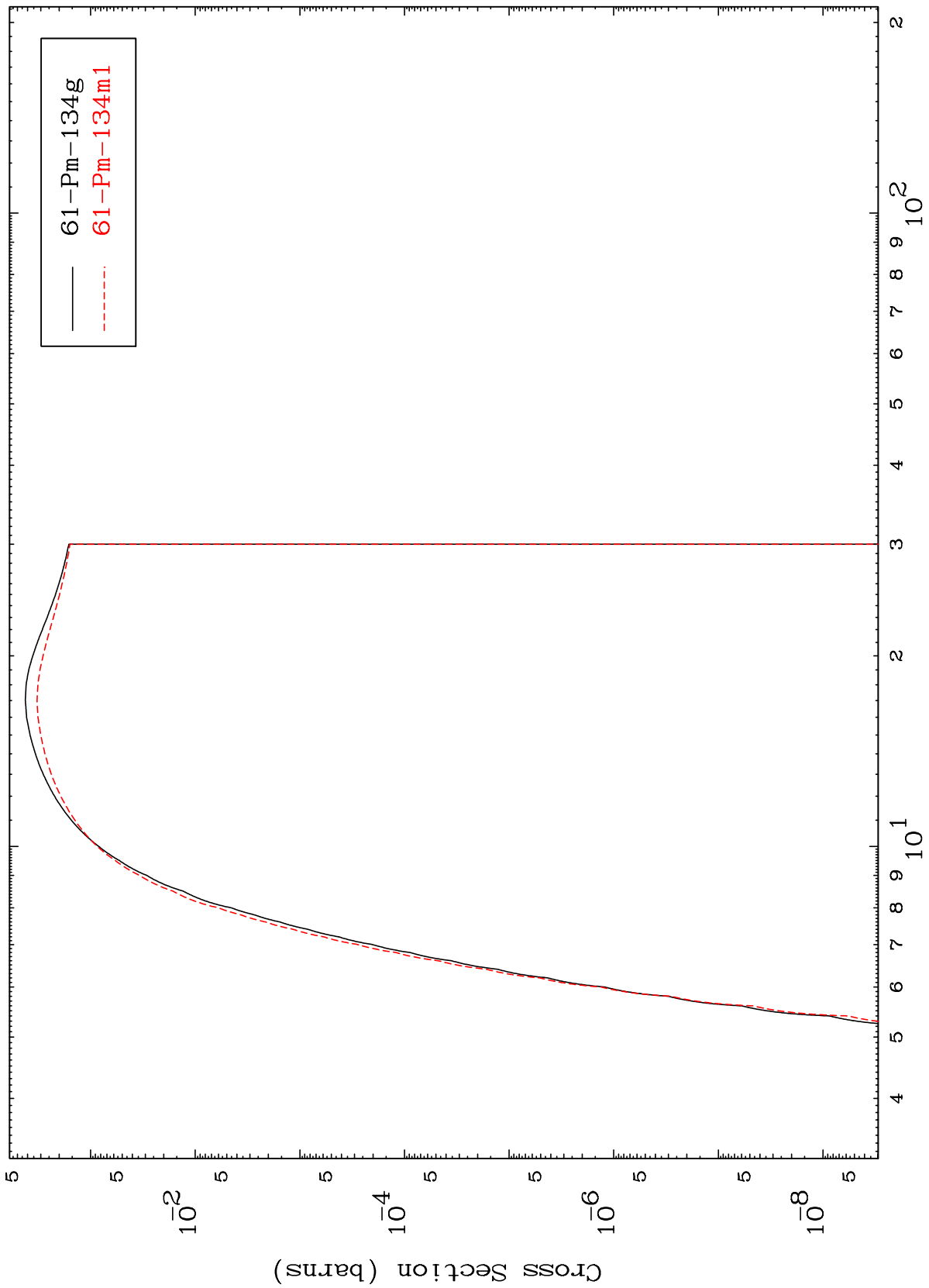
22

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(n,n') p

62-Sm-135

Radionuclide Production Cross Section



23

Incident Energy (MeV)

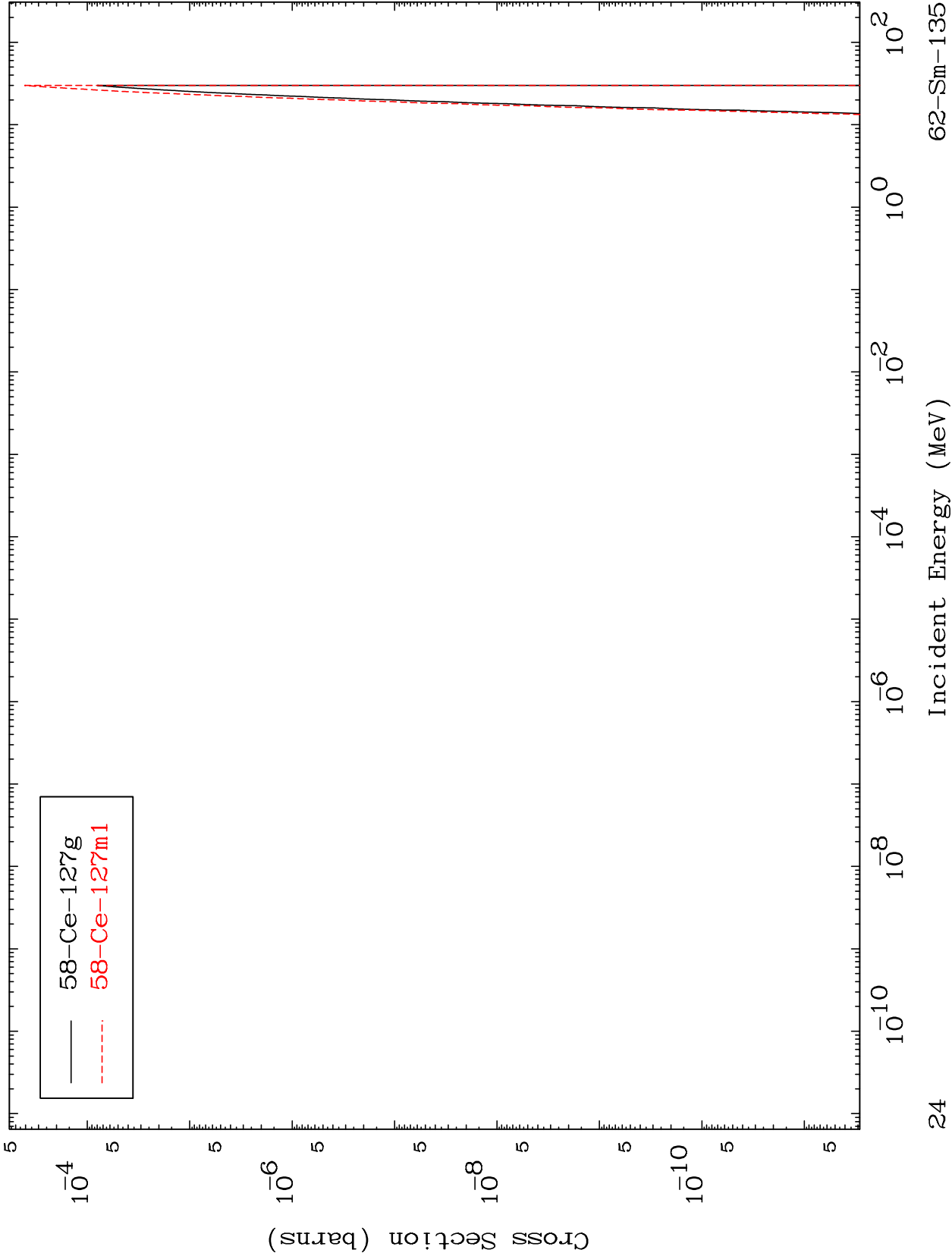
62-Sm-135

MAT 6198

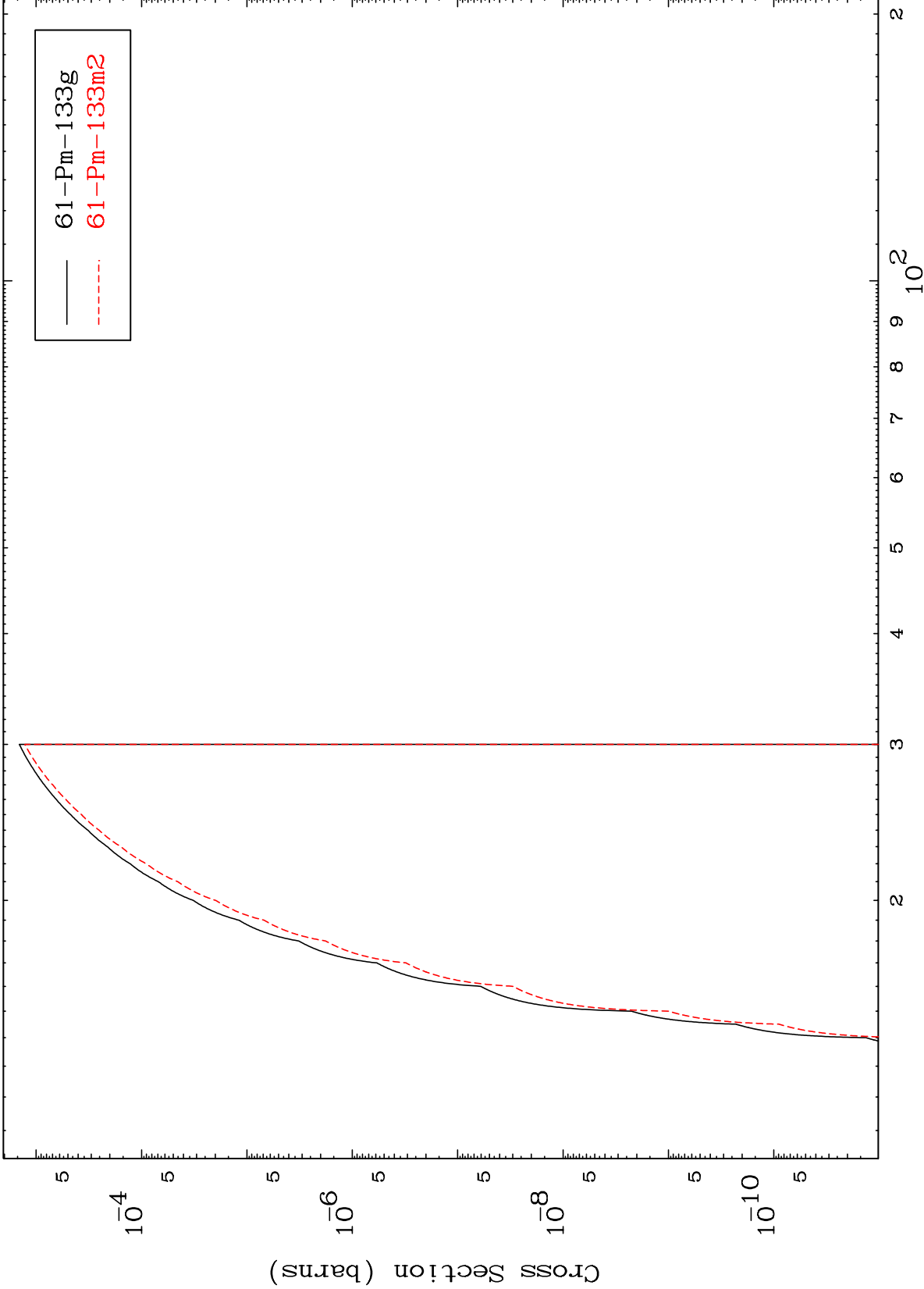
(n,n') 2 α

62-Sm-135

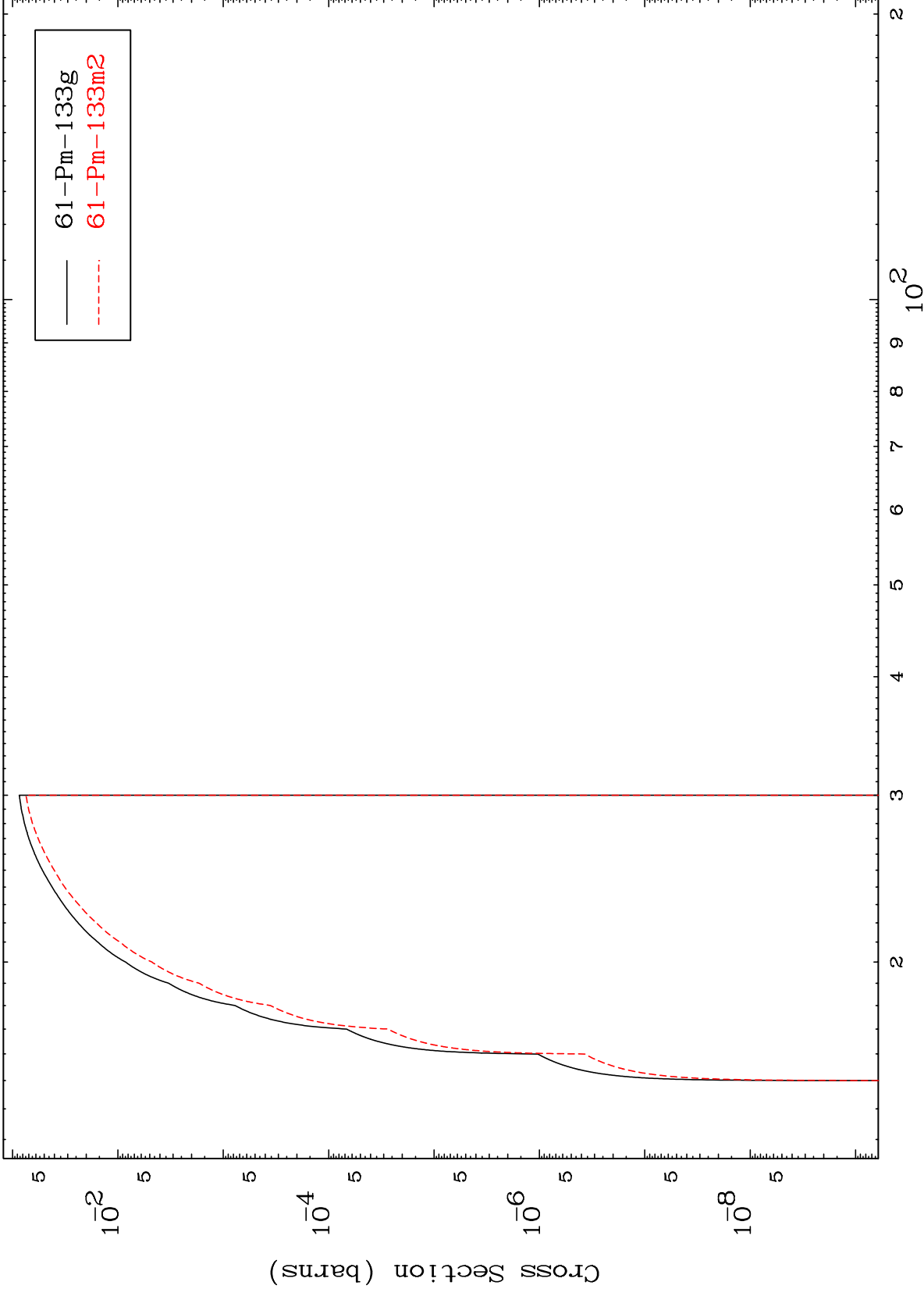
Radionuclide Production Cross Section



Radionuclide Production Cross Section



Radionuclide Production Cross Section



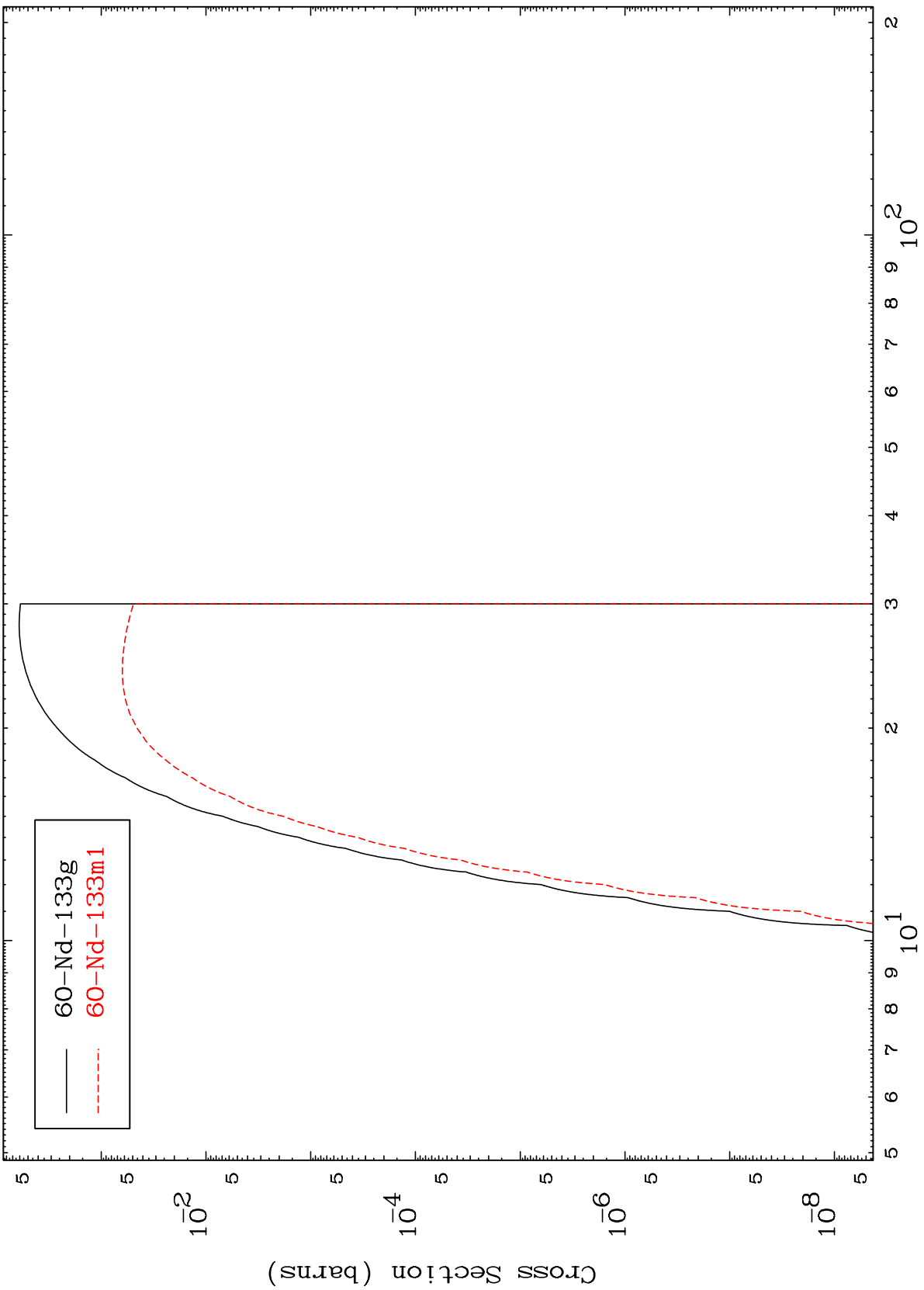
61-Pm-133g
61-Pm-133m2

MAT 6198

(n,2n) p

62-Sm-135

Radionuclide Production Cross Section

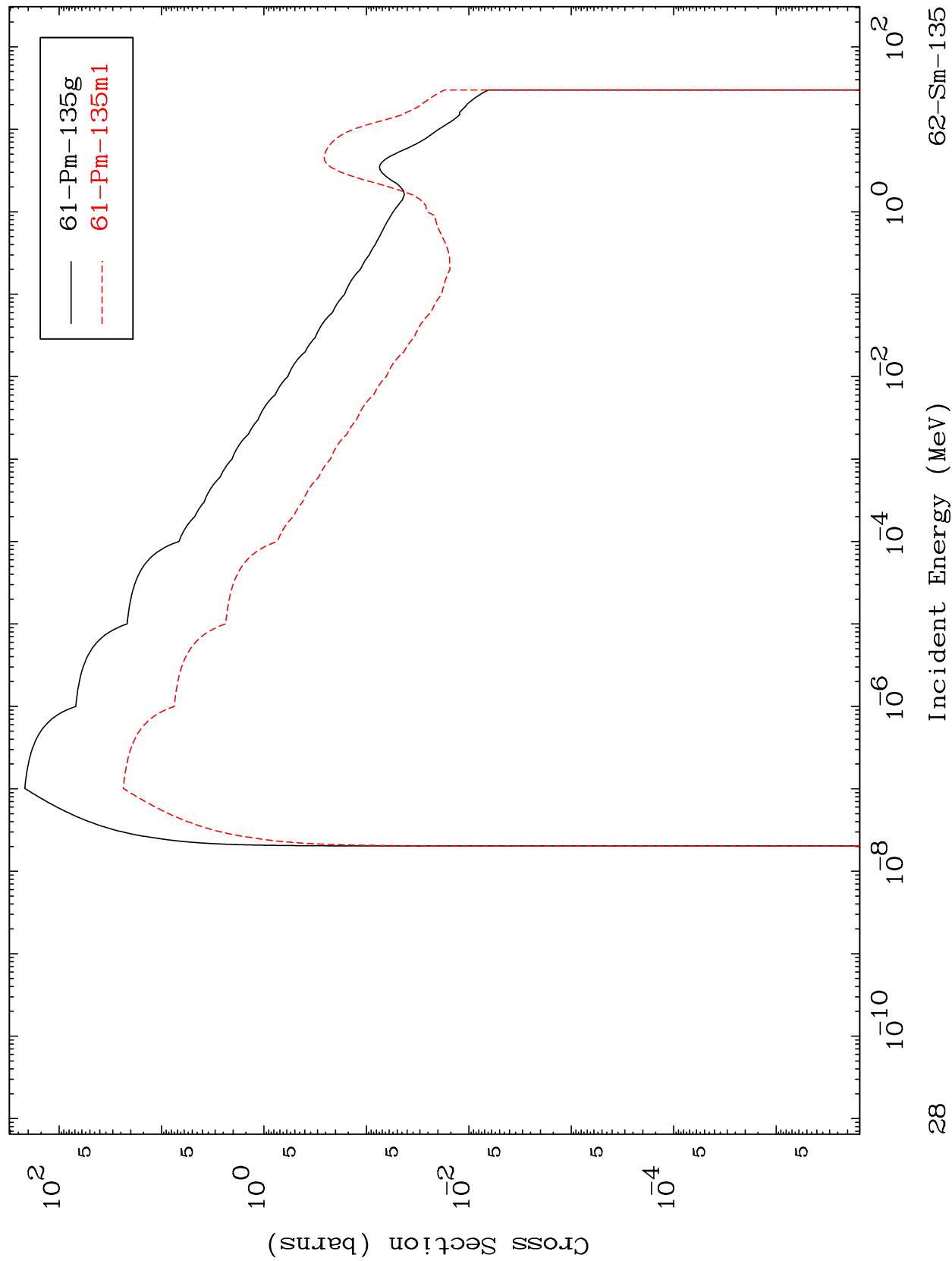


27

Incident Energy (MeV)

62-Sm-135

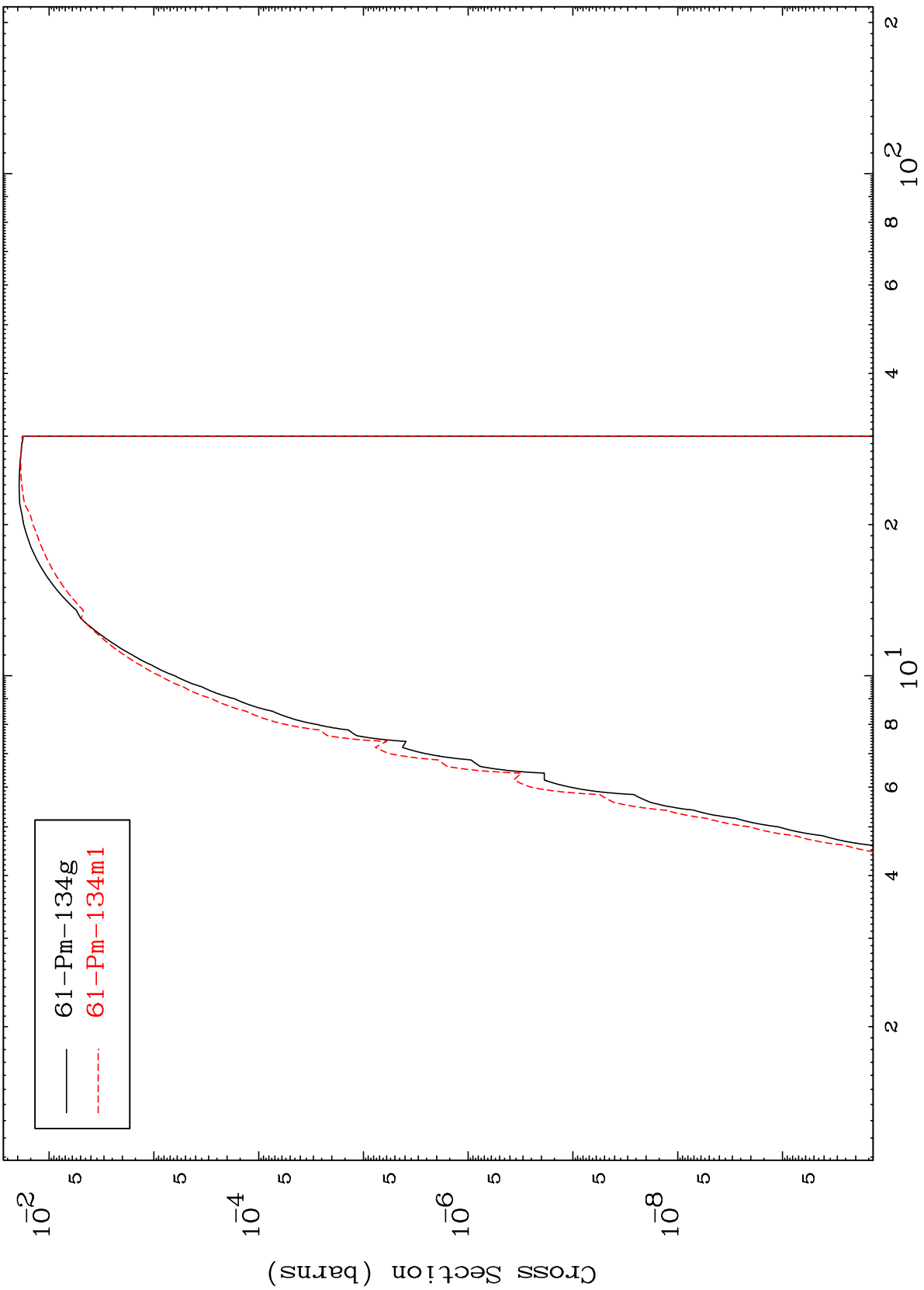
(n,p)
Radionuclide Production Cross Section



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62-Sm-135

(n,d)
Radionuclide Production Cross Section

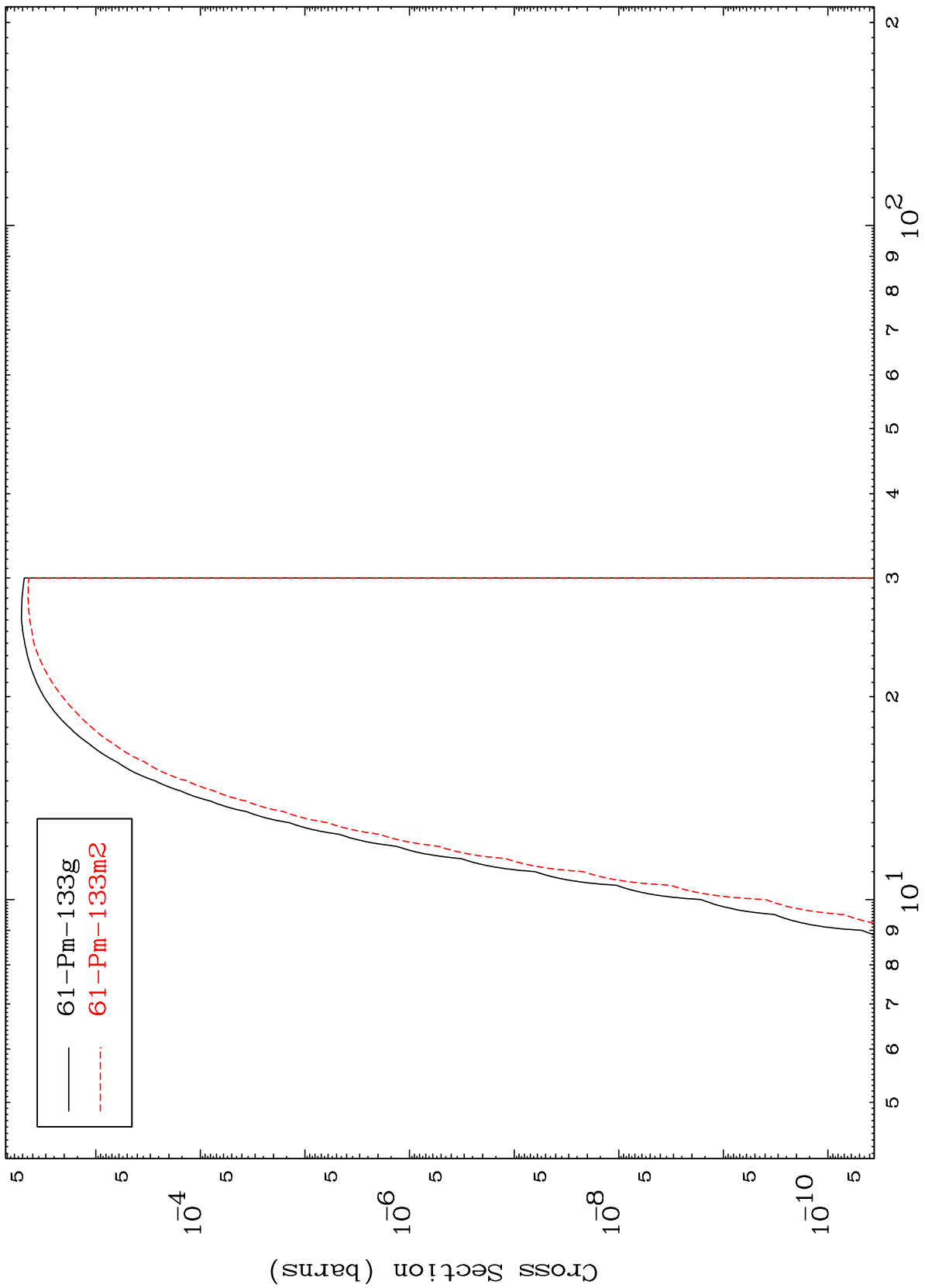


— 61-Pm-134g
- - - 61-Pm-134m1

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62-Sm-135

(n, t)
Radionuclide Production Cross Section



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

30

Incident Energy (MeV)

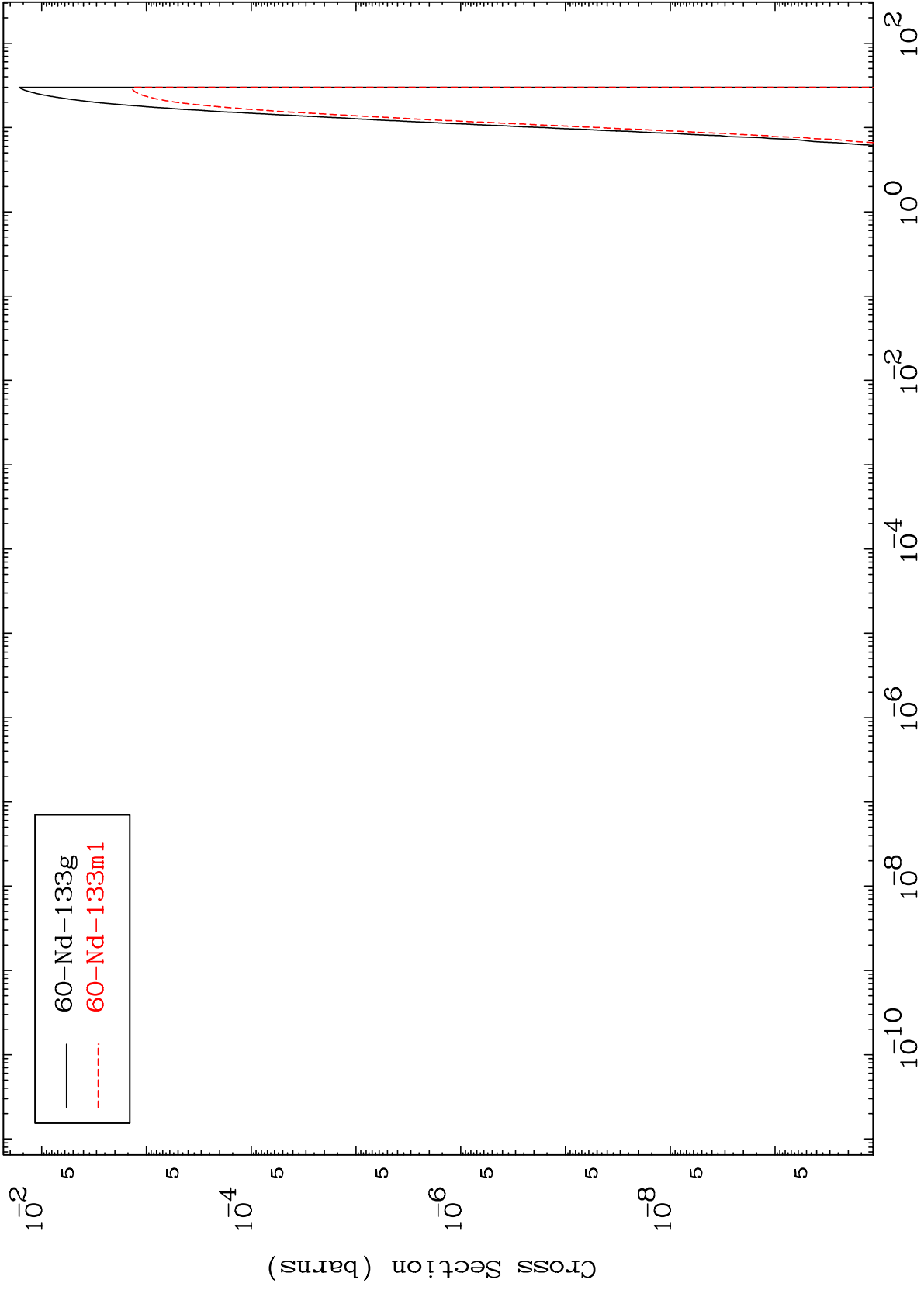
62-Sm-135

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(n,He-3)

62-Sm-135

Radionuclide Production Cross Section



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

Incident Energy (MeV)

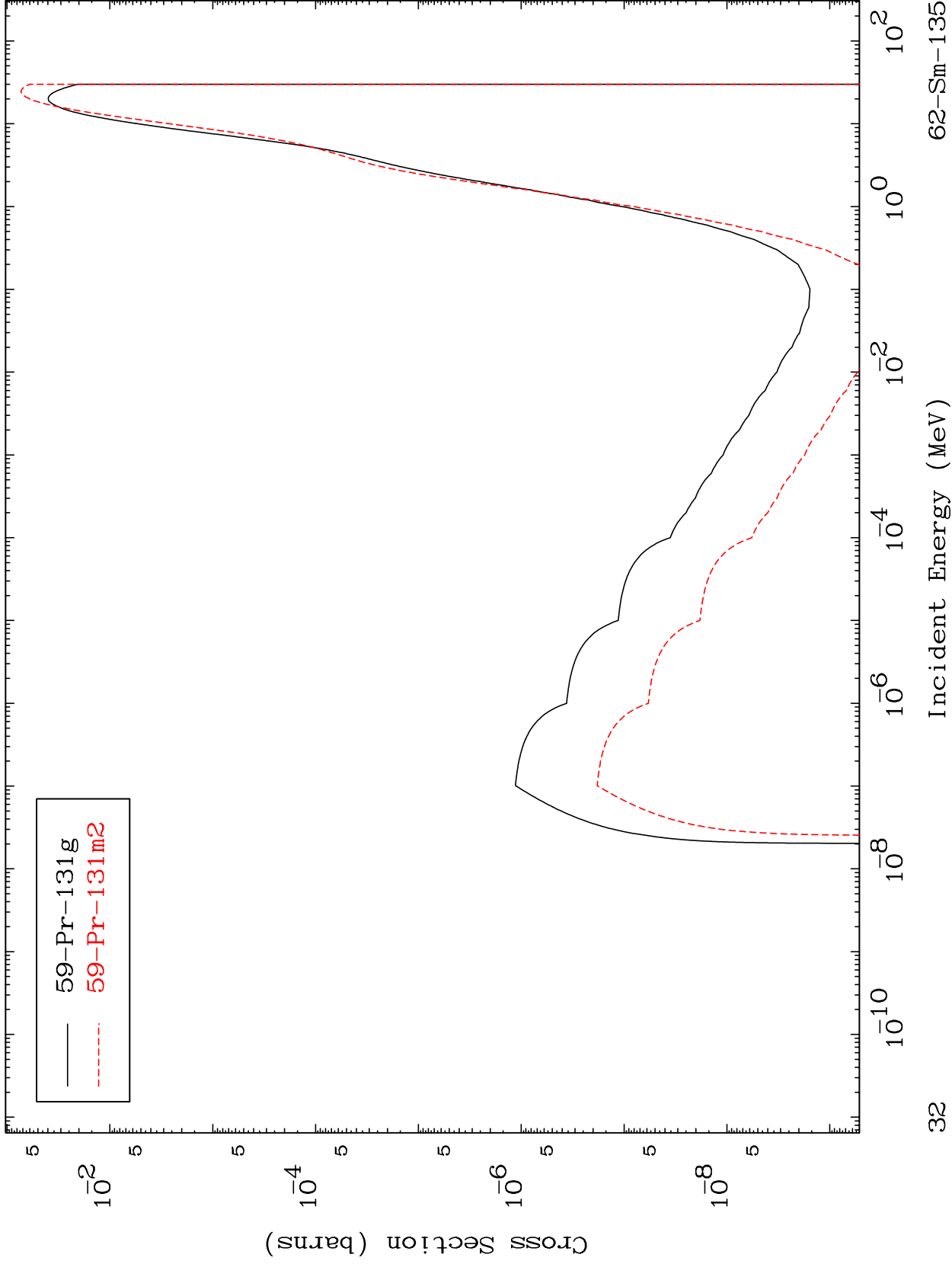
62-Sm-135

MAT 6198

(n,p) α

62-Sm-135

Radionuclide Production Cross Section

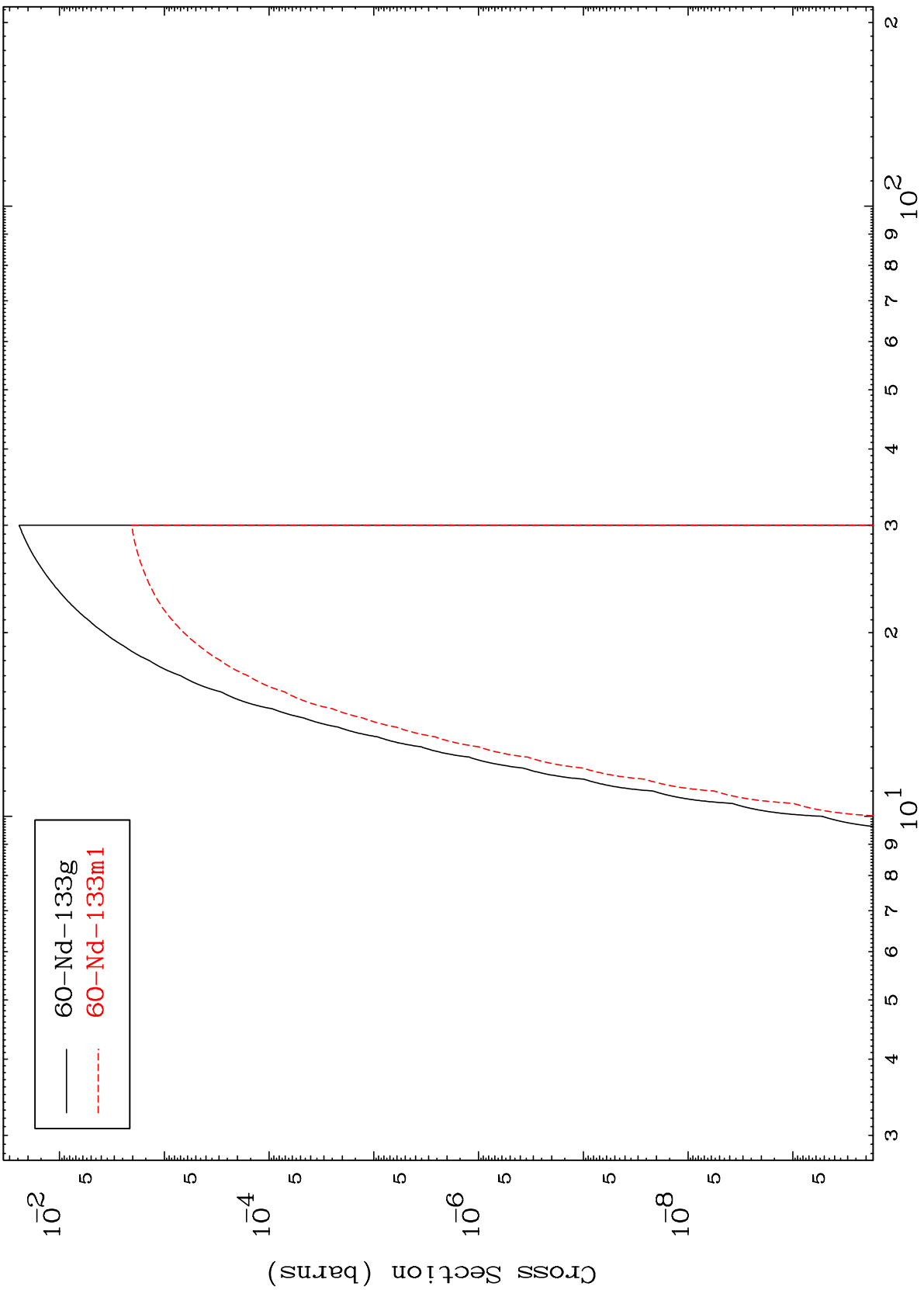


MAT 6198

(n,p) d

62-Sm-135

Radionuclide Production Cross Section



Legend:
— 60-Nd-133g
- - - 60-Nd-133m1

Incident Energy (MeV)

62-Sm-135

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