

Program EVALPLOT
(Version 2021-1)

by

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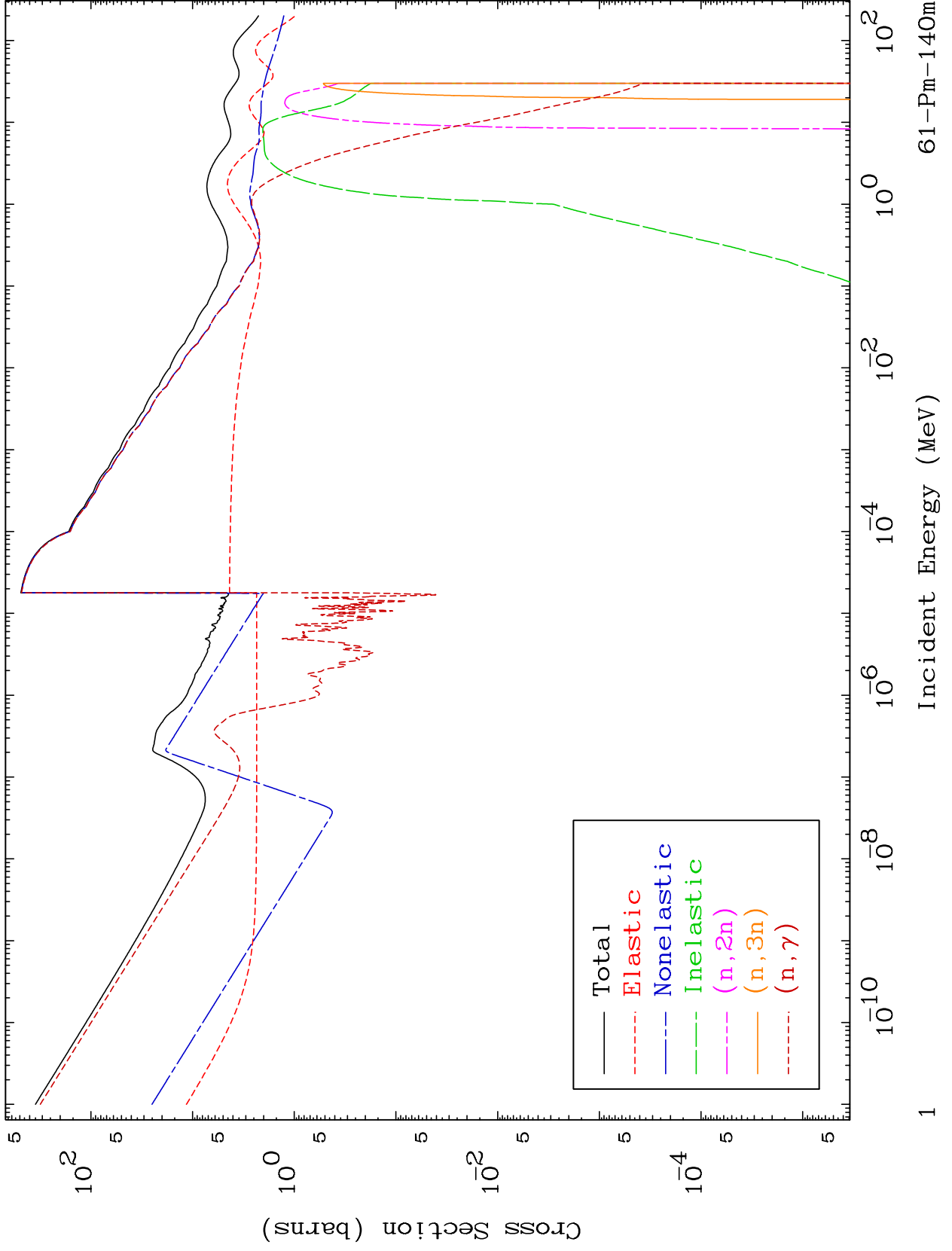
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6129

Neutron Major
293 Kelvin Cross Sections

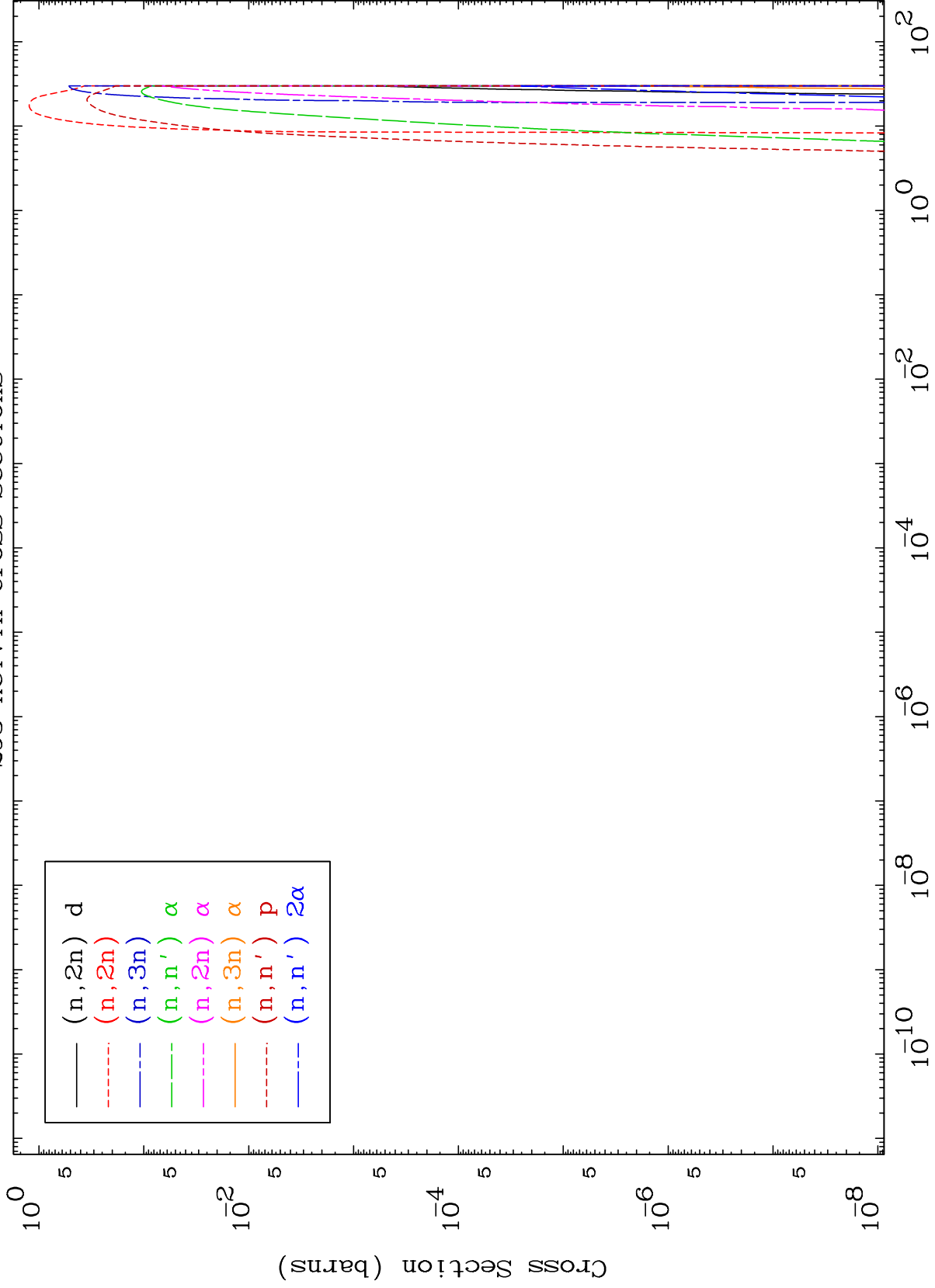
61-Pm-140m



MAT 6129

Neutron Absorption
293 Kelvin Cross Sections

61-Pm-140m



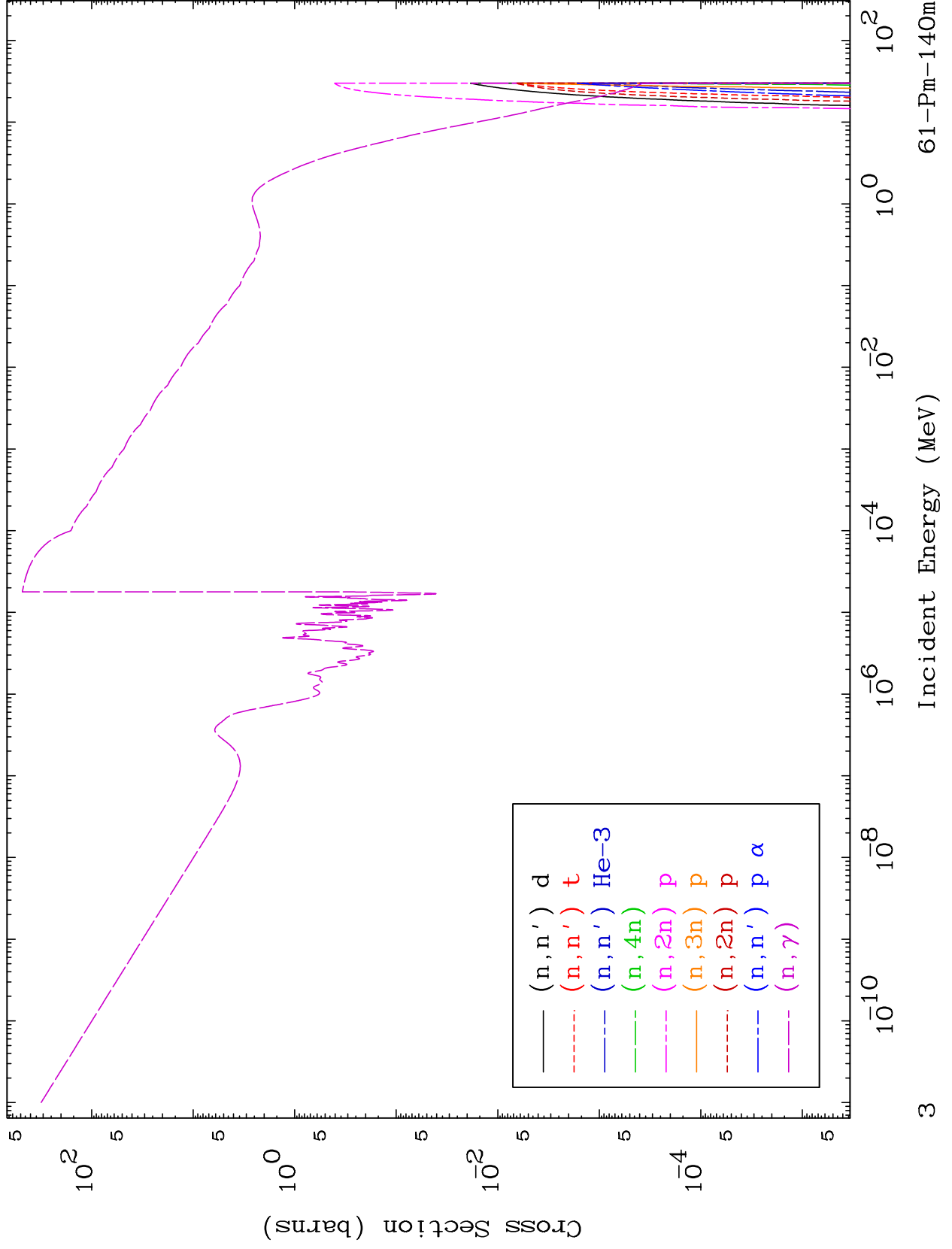
61-Pm-140m

Incident Energy (MeV)

MAT 6129

Neutron Absorption
293 Kelvin Cross Sections

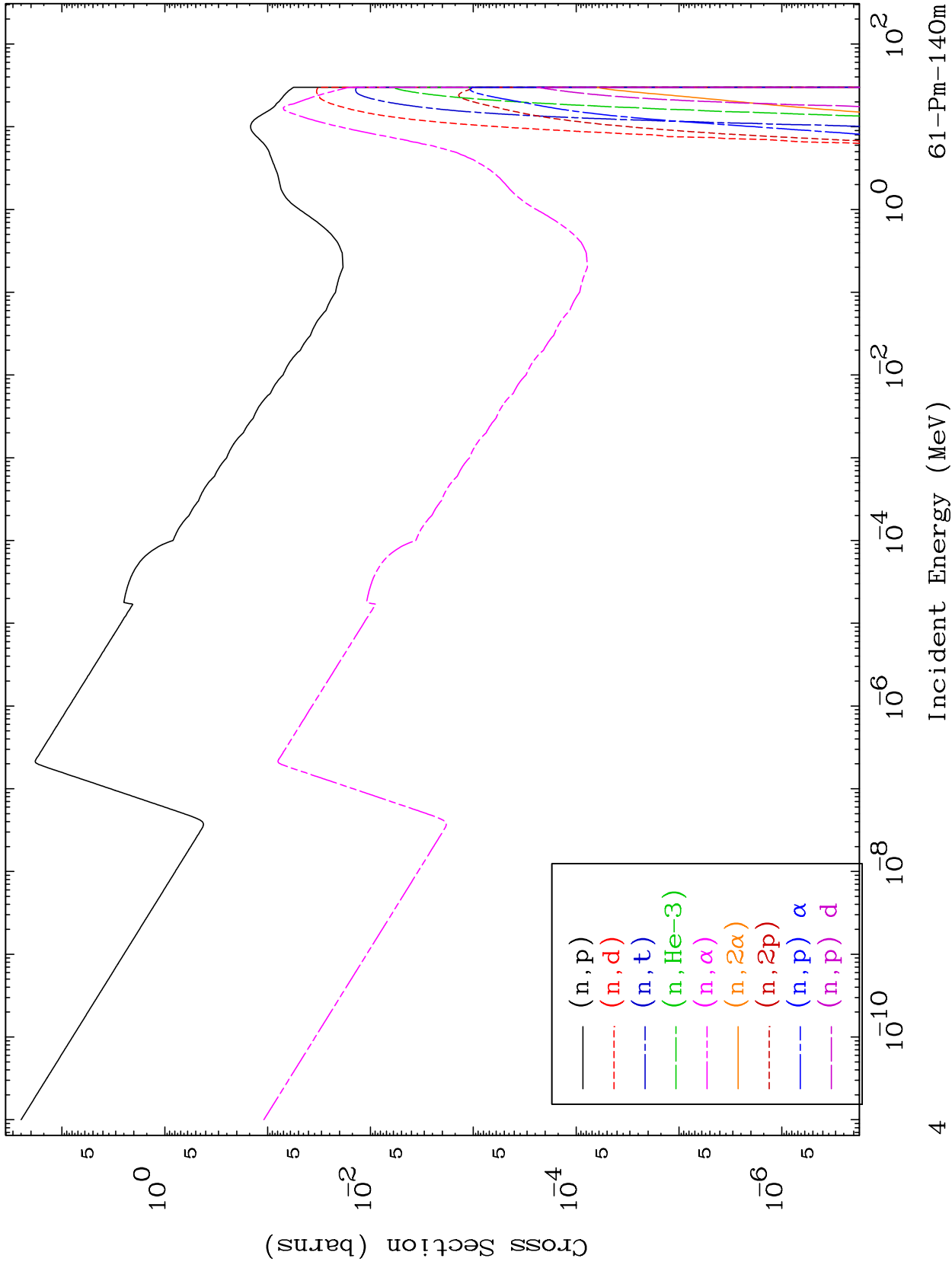
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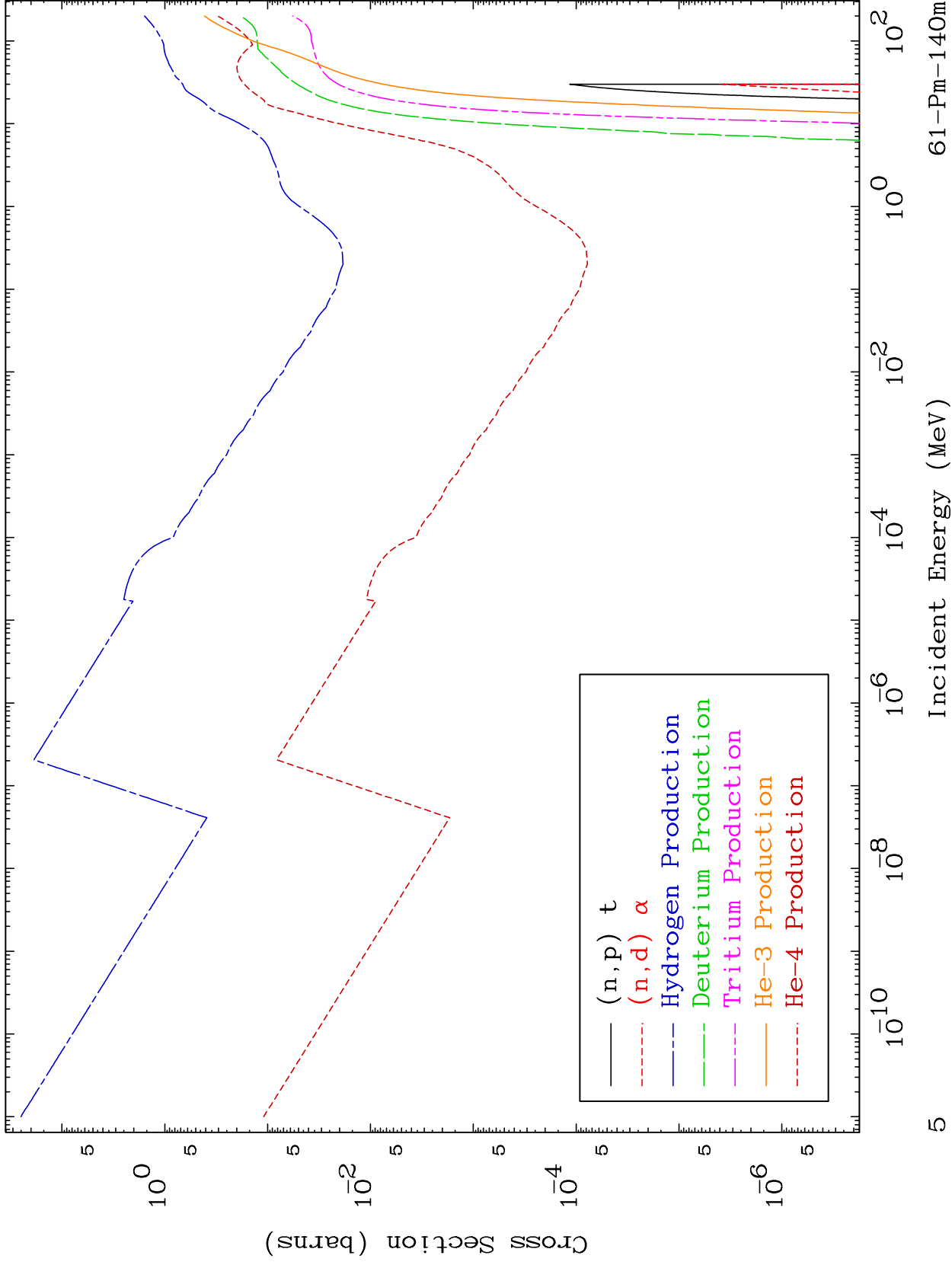


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Neutron Absorption
293 Kelvin Cross Sections

61-Pm-140m

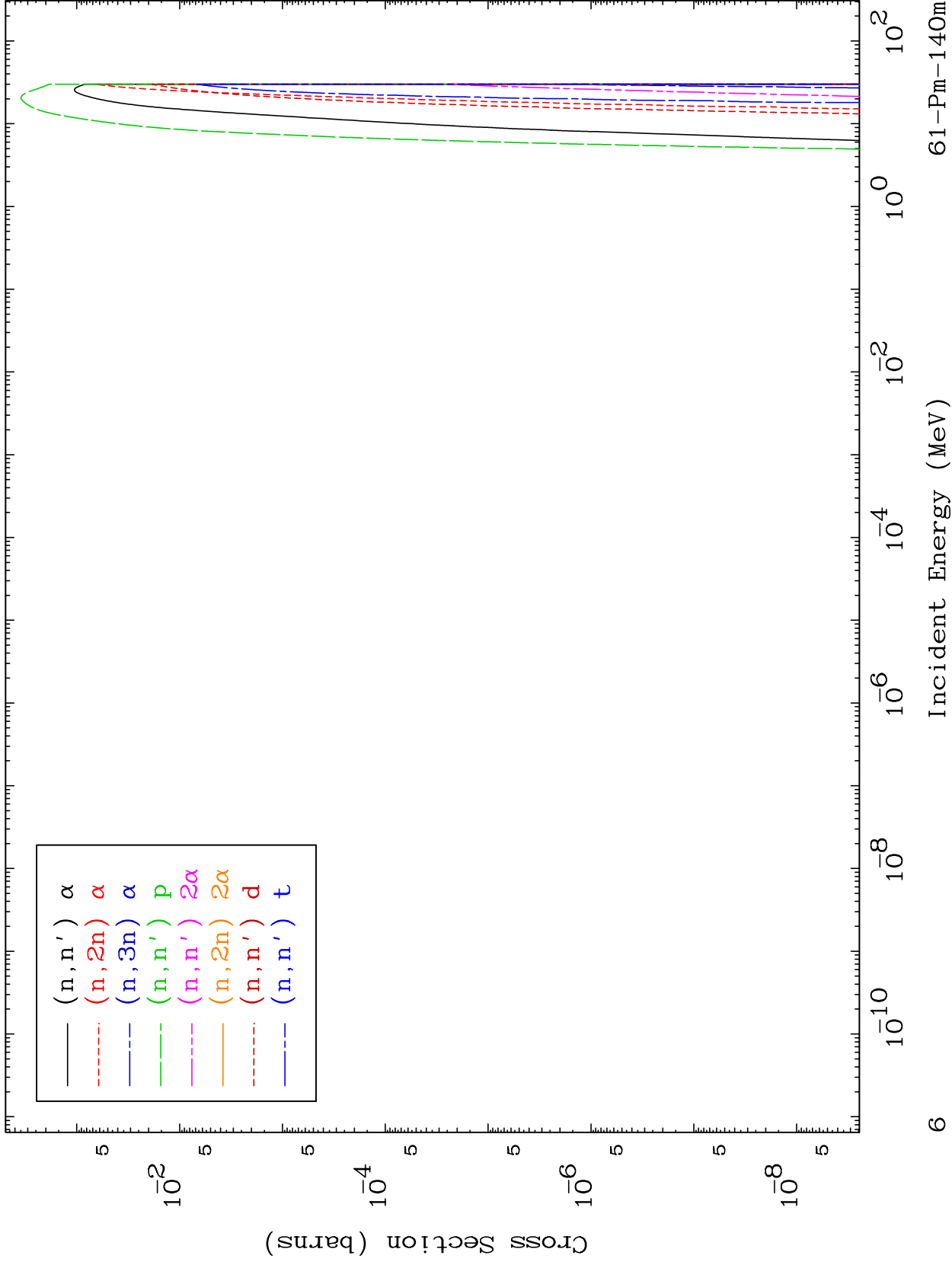




MAT 6129

Charged Particle
293 Kelvin Cross Sections

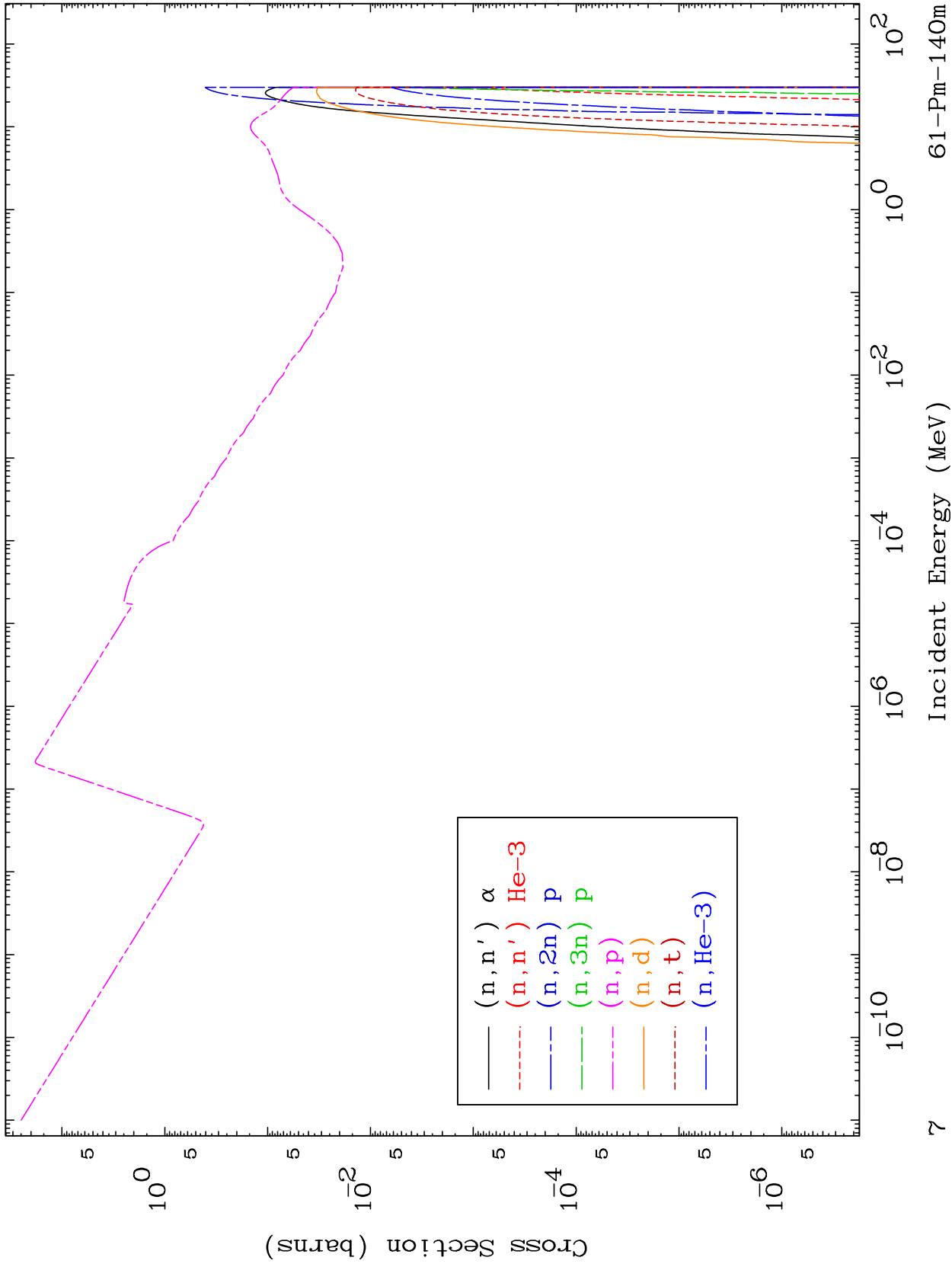
61-Pm-140m



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Charged Particle
293 Kelvin Cross Sections

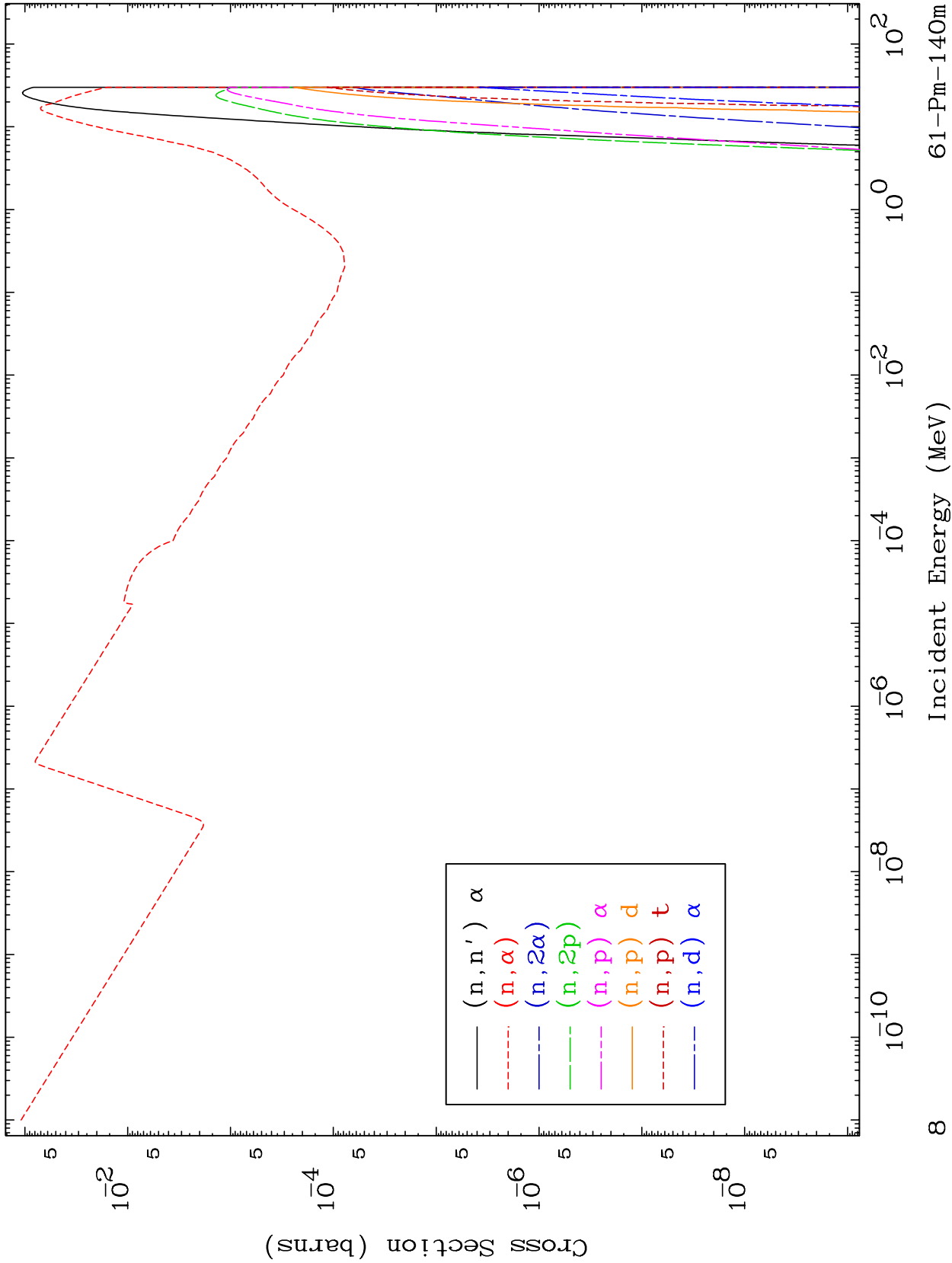
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Charged Particle
293 Kelvin Cross Sections

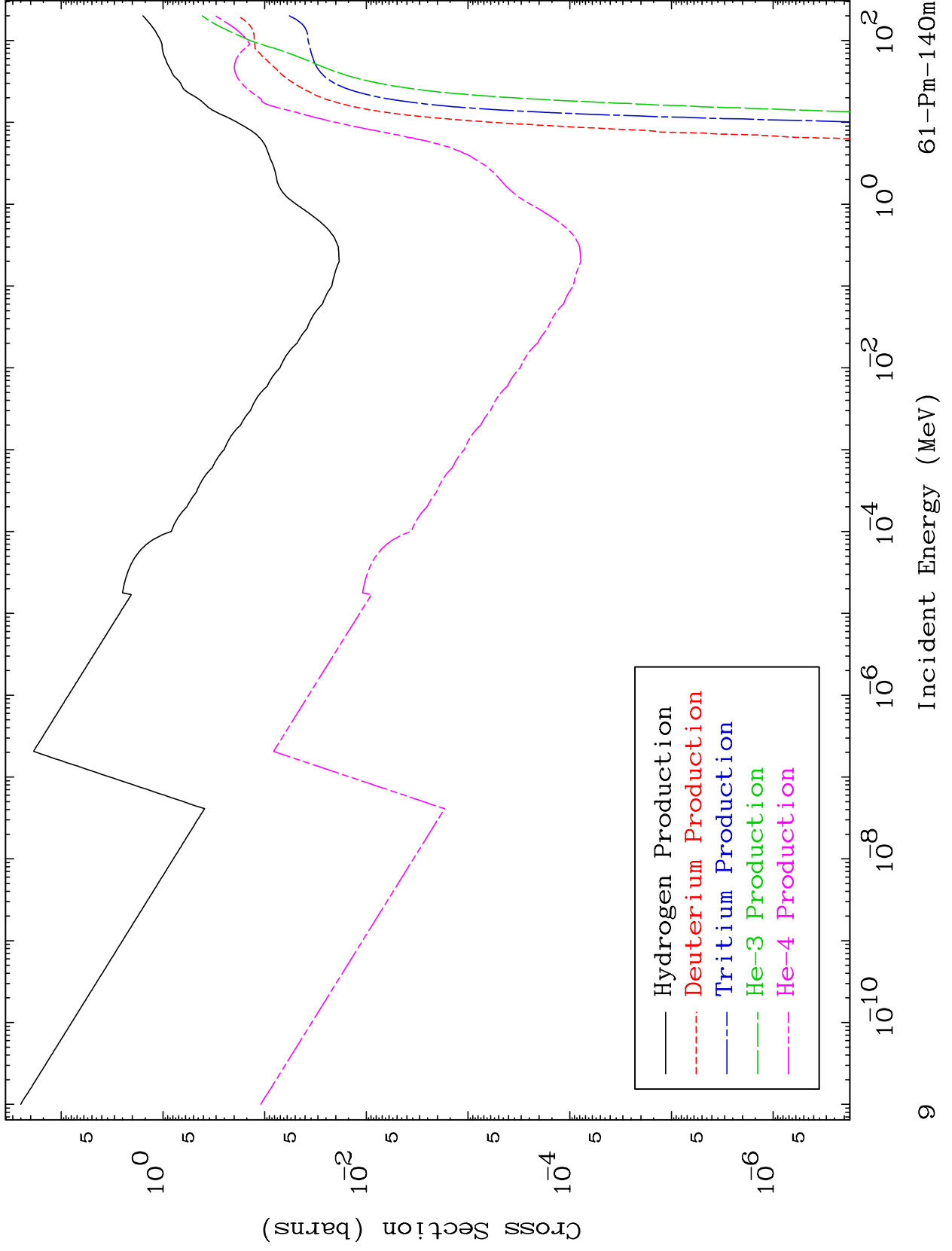
61-Pm-140m



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Particle Production
293 Kelvin Cross Sections

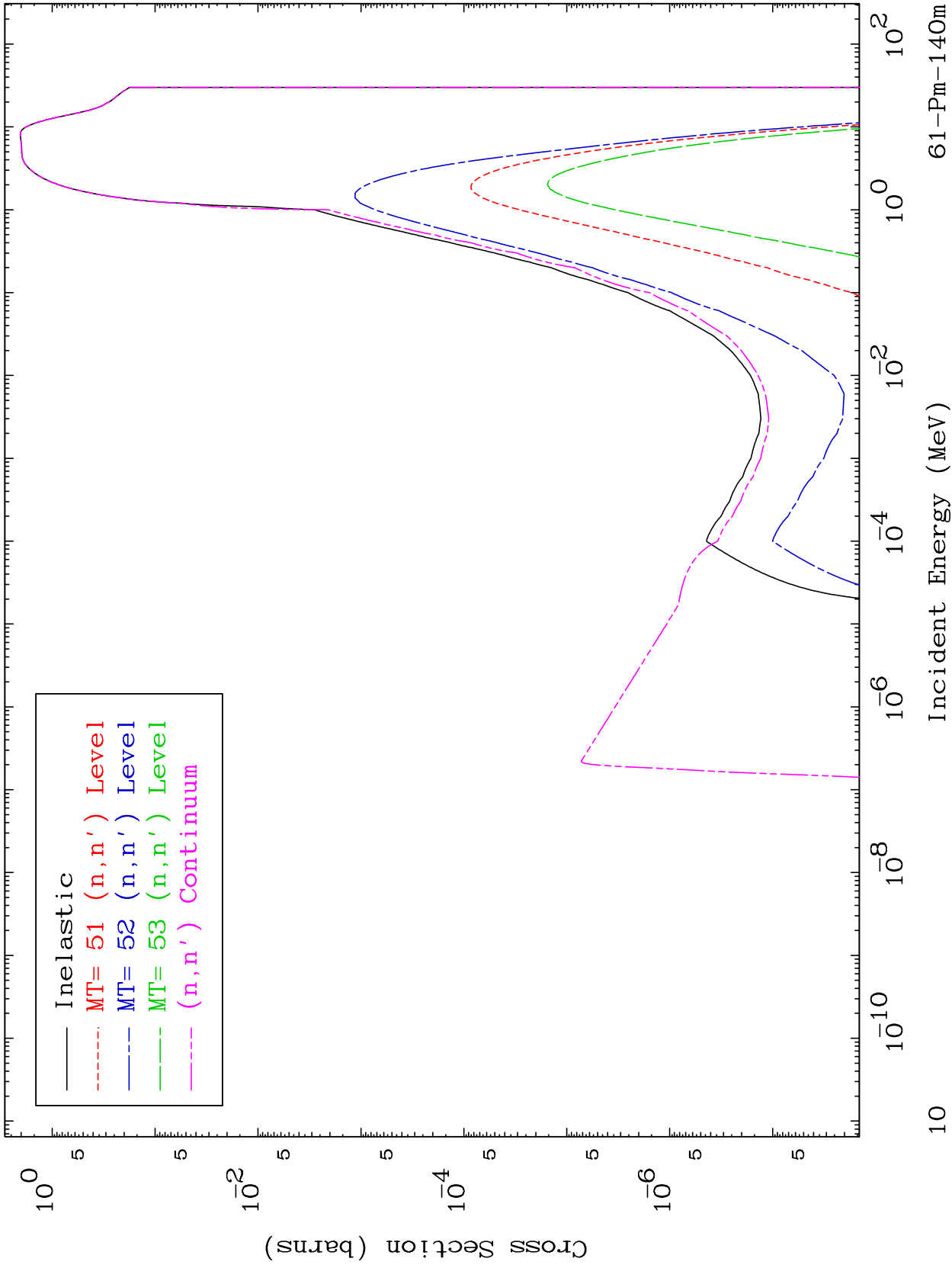
61-Pm-140m



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(n,n') Levels
293 Kelvin Cross Sections

61-Pm-140m



10

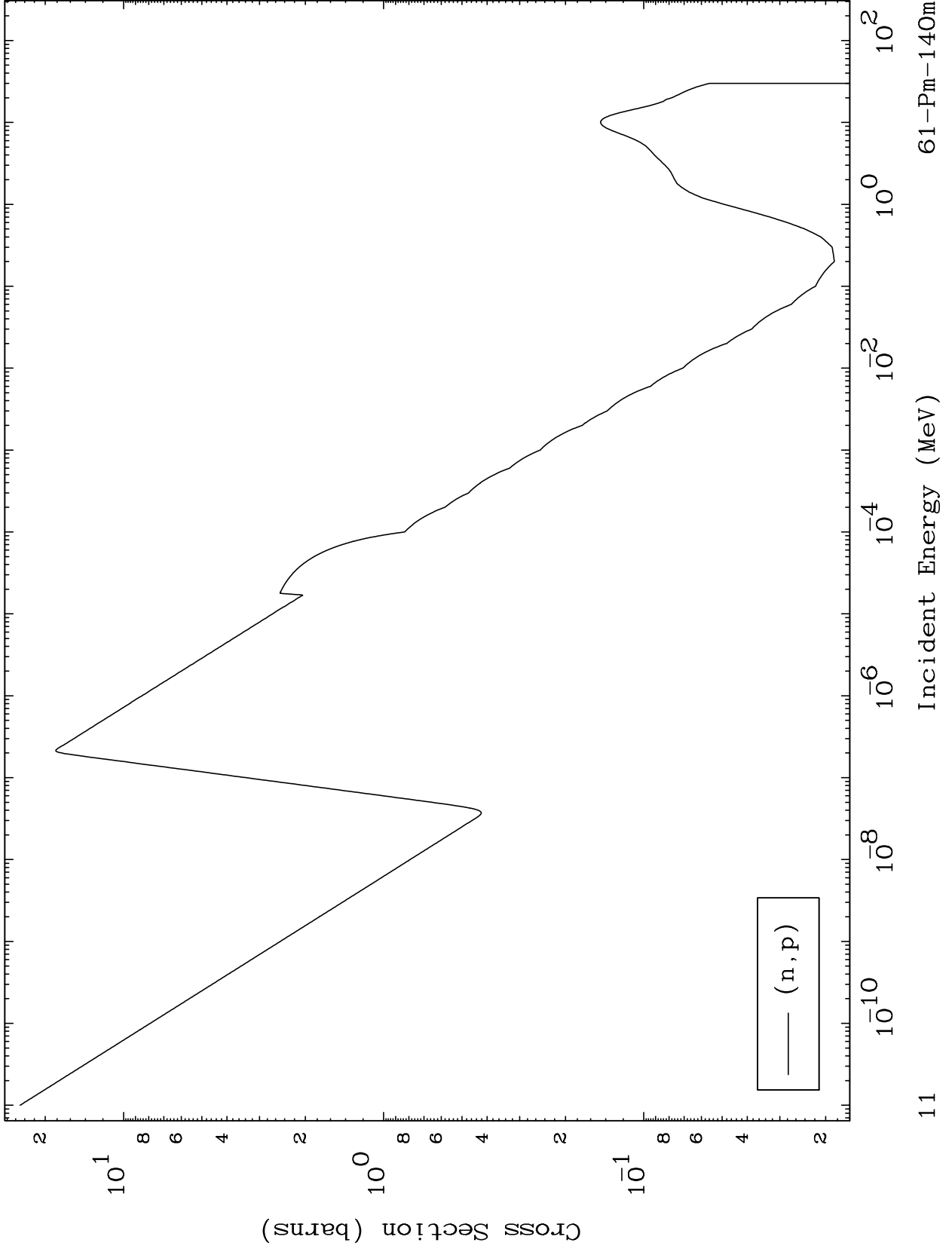
Incident Energy (MeV)

61-Pm-140m

MAT 6129

(n,p) Levels
293 Kelvin Cross Sections

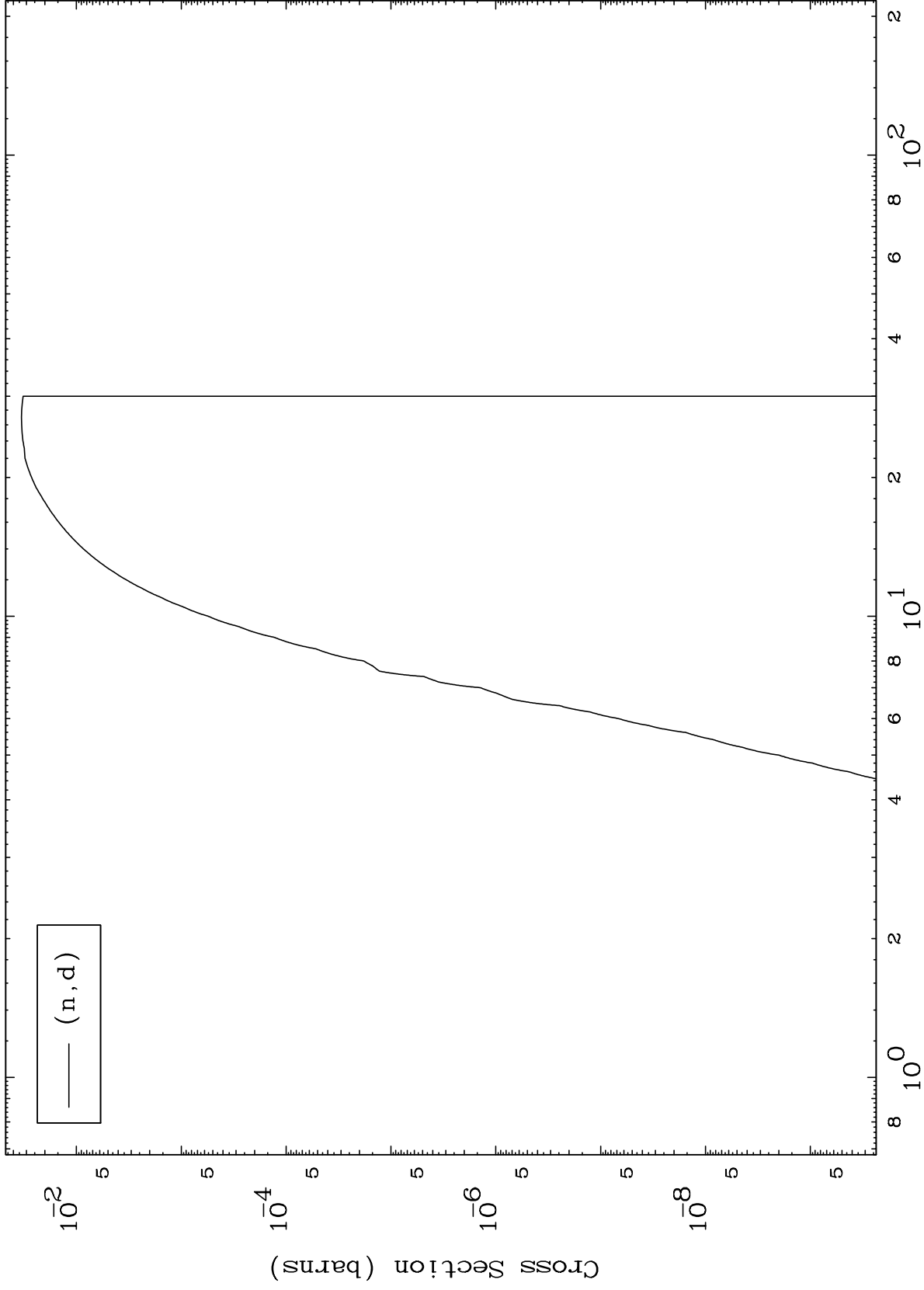
61-Pm-140m



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(n,d) Levels
293 Kelvin Cross Sections

61-Pm-140m



12

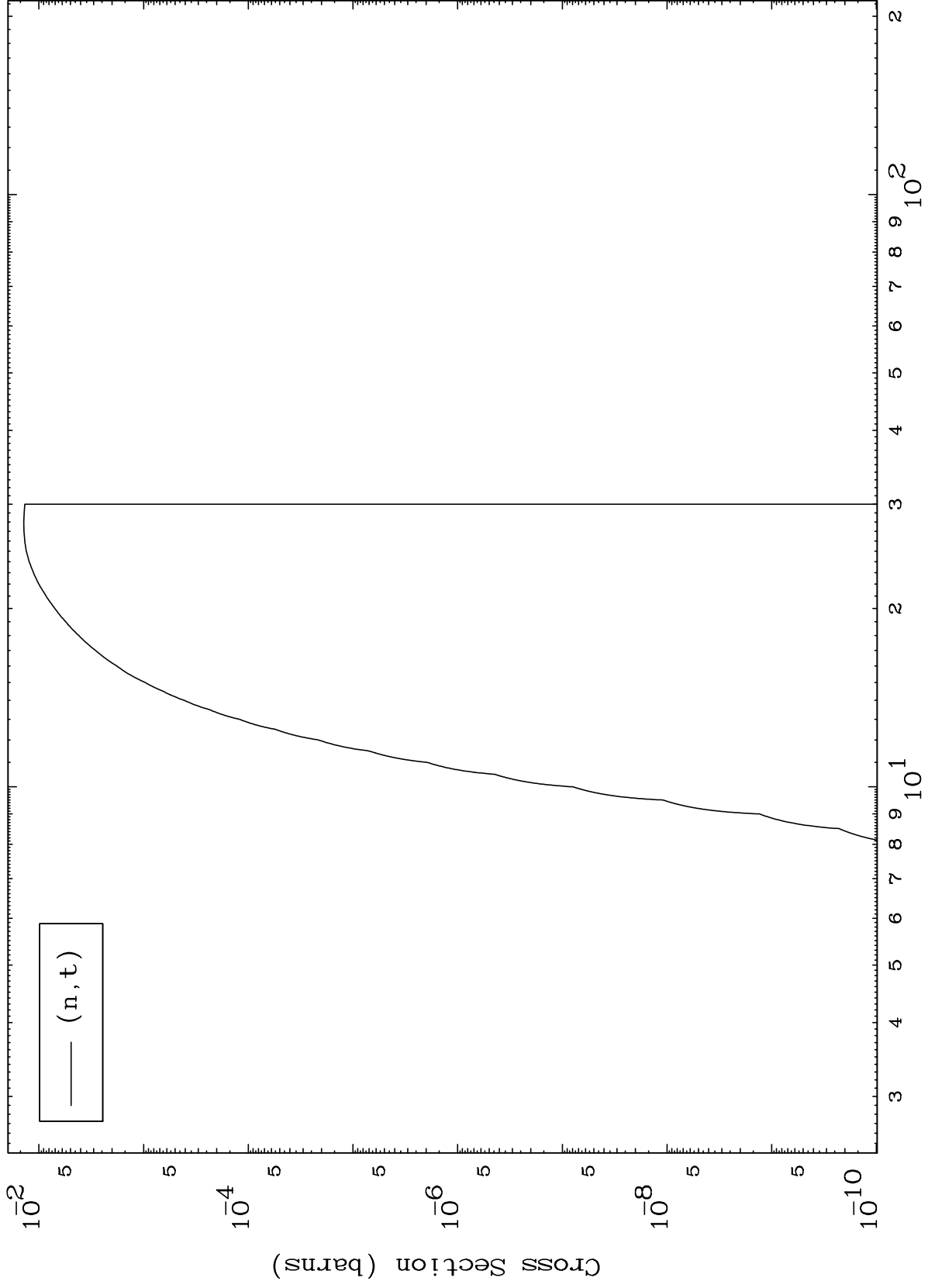
Incident Energy (MeV)

61-Pm-140m

MAT 6129

(n,t) Levels
293 Kelvin Cross Sections

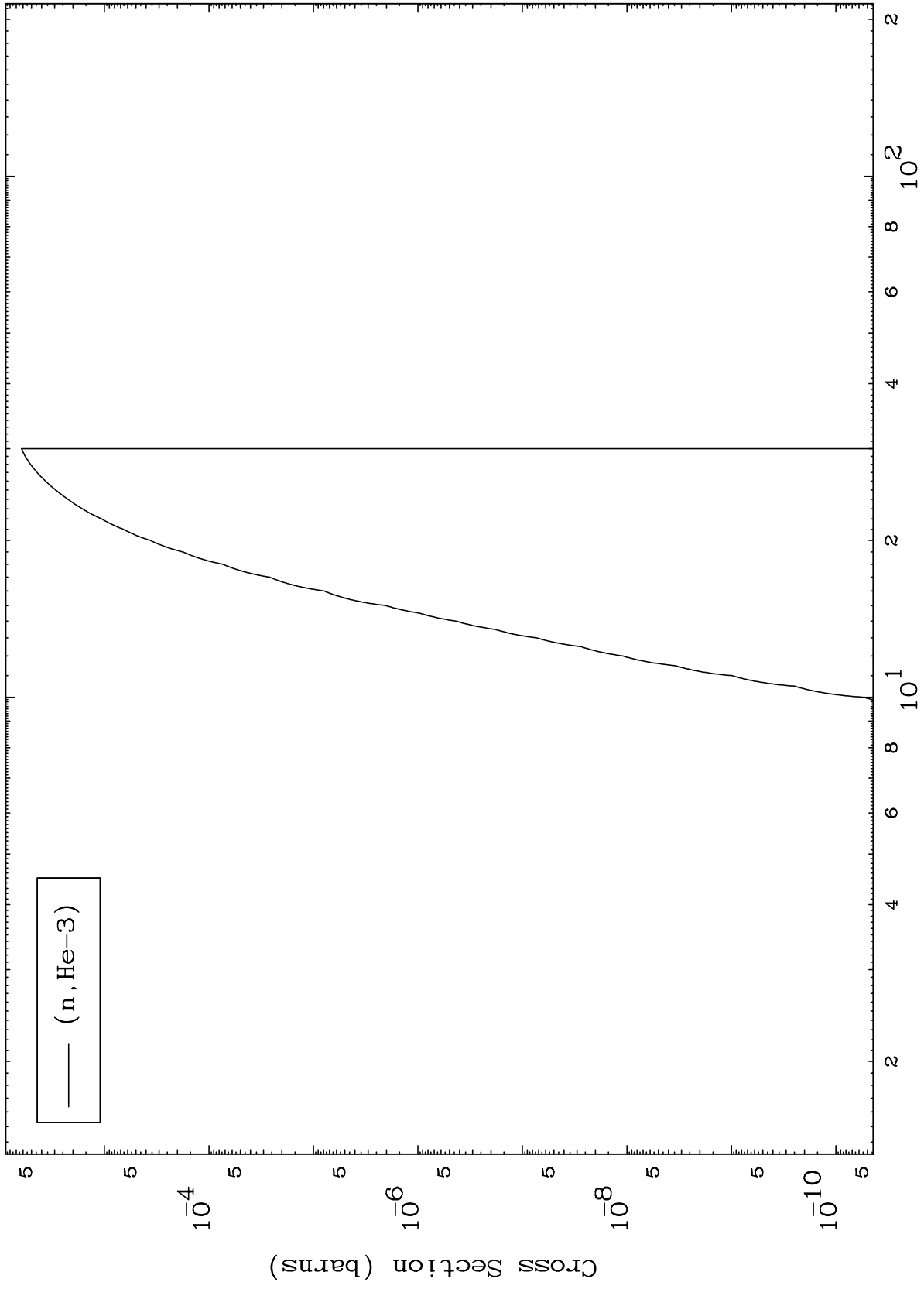
61-Pm-140m



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(n,He3) Levels
293 Kelvin Cross Sections

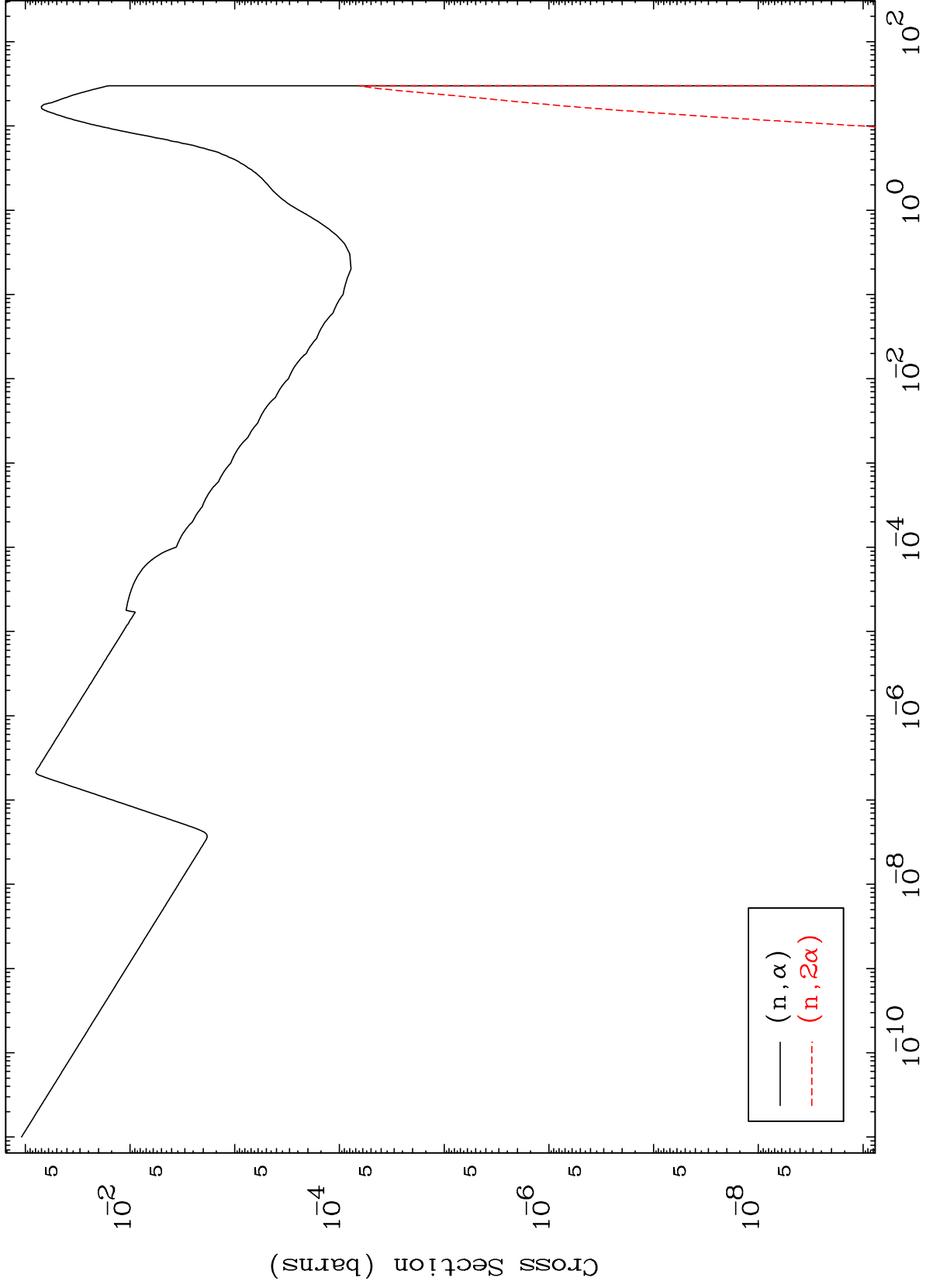
61-Pm-140m



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(n, α) Levels
293 Kelvin Cross Sections

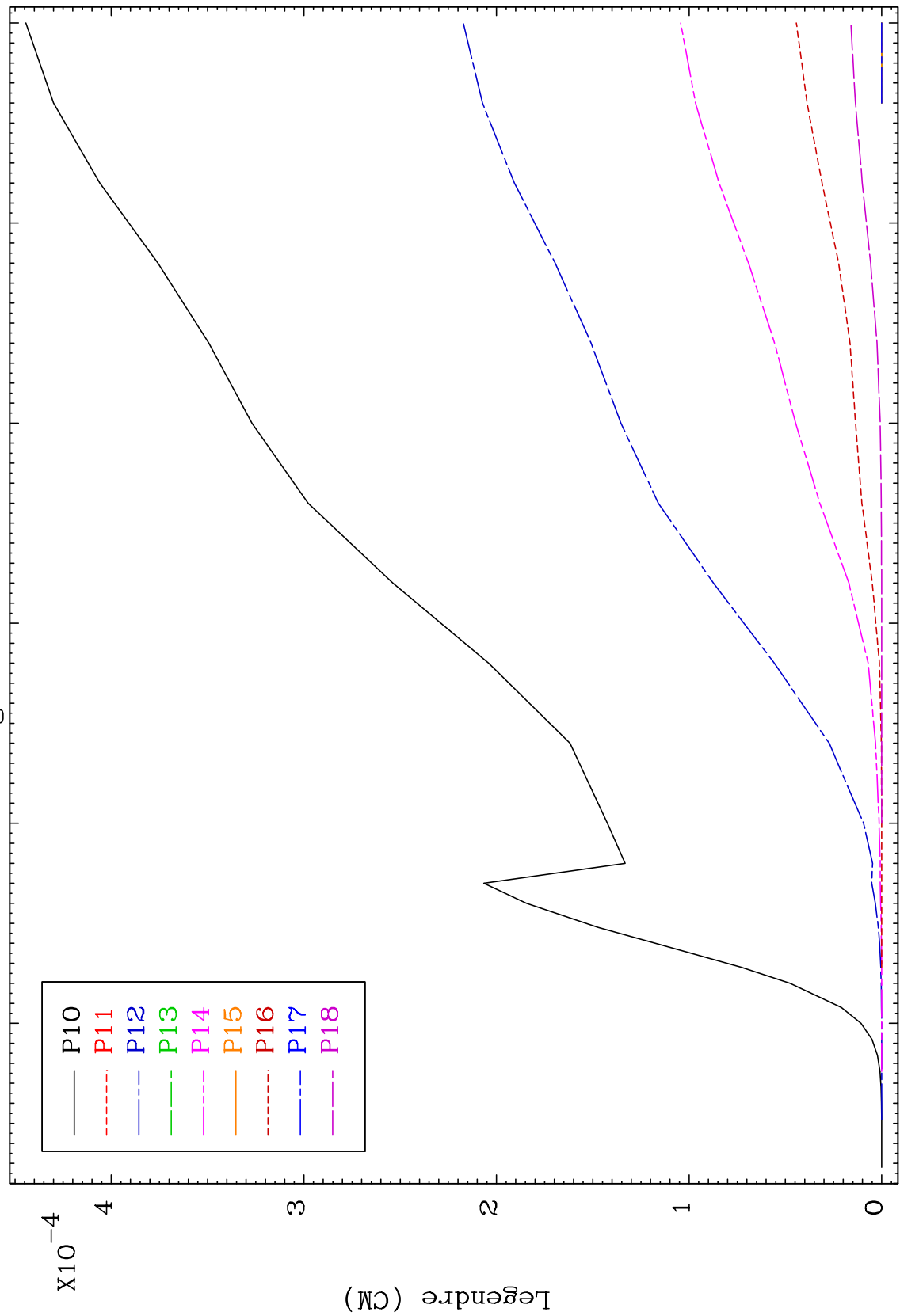
61-Pm-140m



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Elastic Legendre Coefficients

61-Pm-140m



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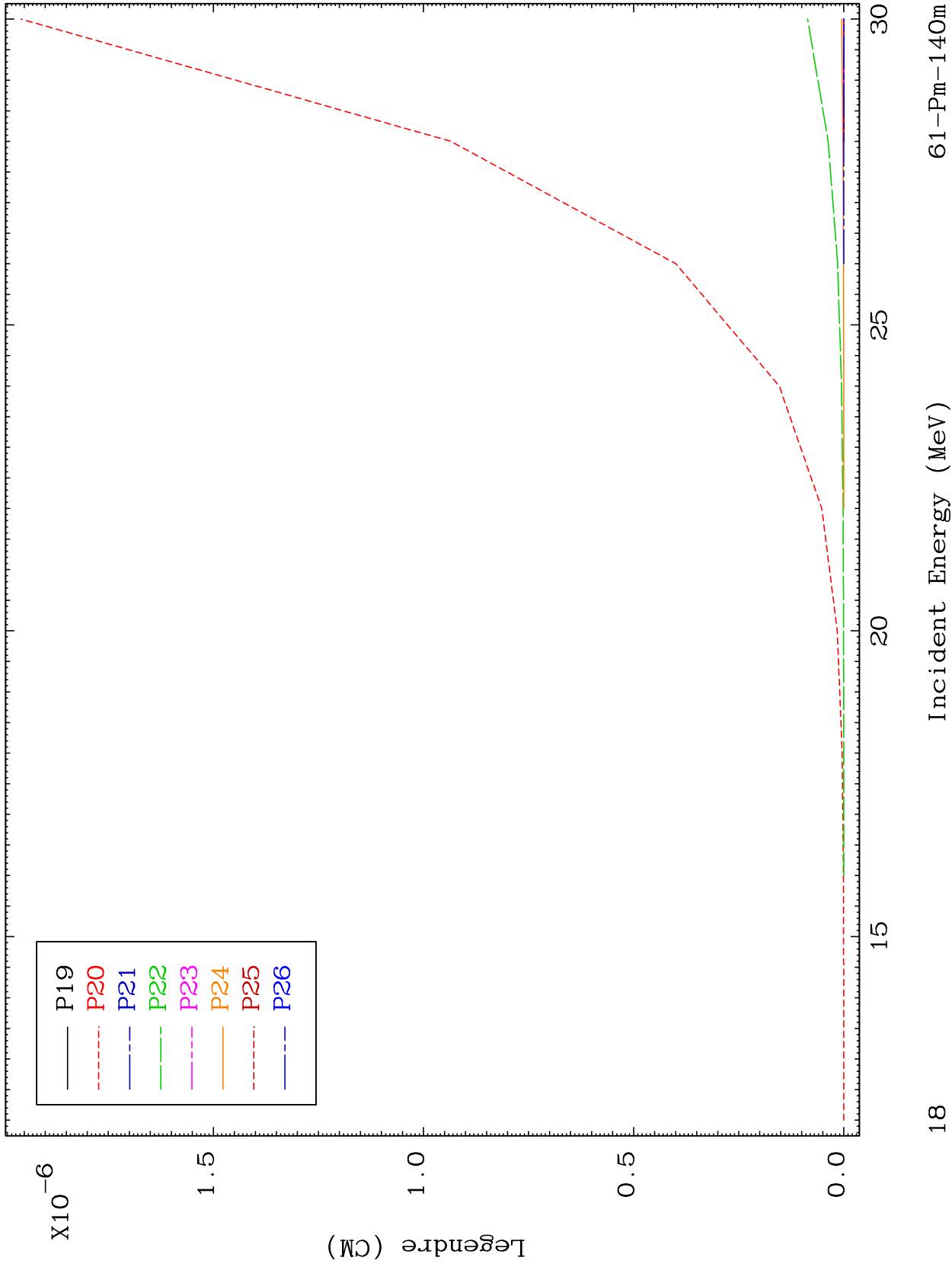
61-Pm-140m

Incident Energy (MeV)

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Elastic
Legendre Coefficients

61-Pm-140m



18

Incident Energy (MeV)

61-Pm-140m

15

20

25

30

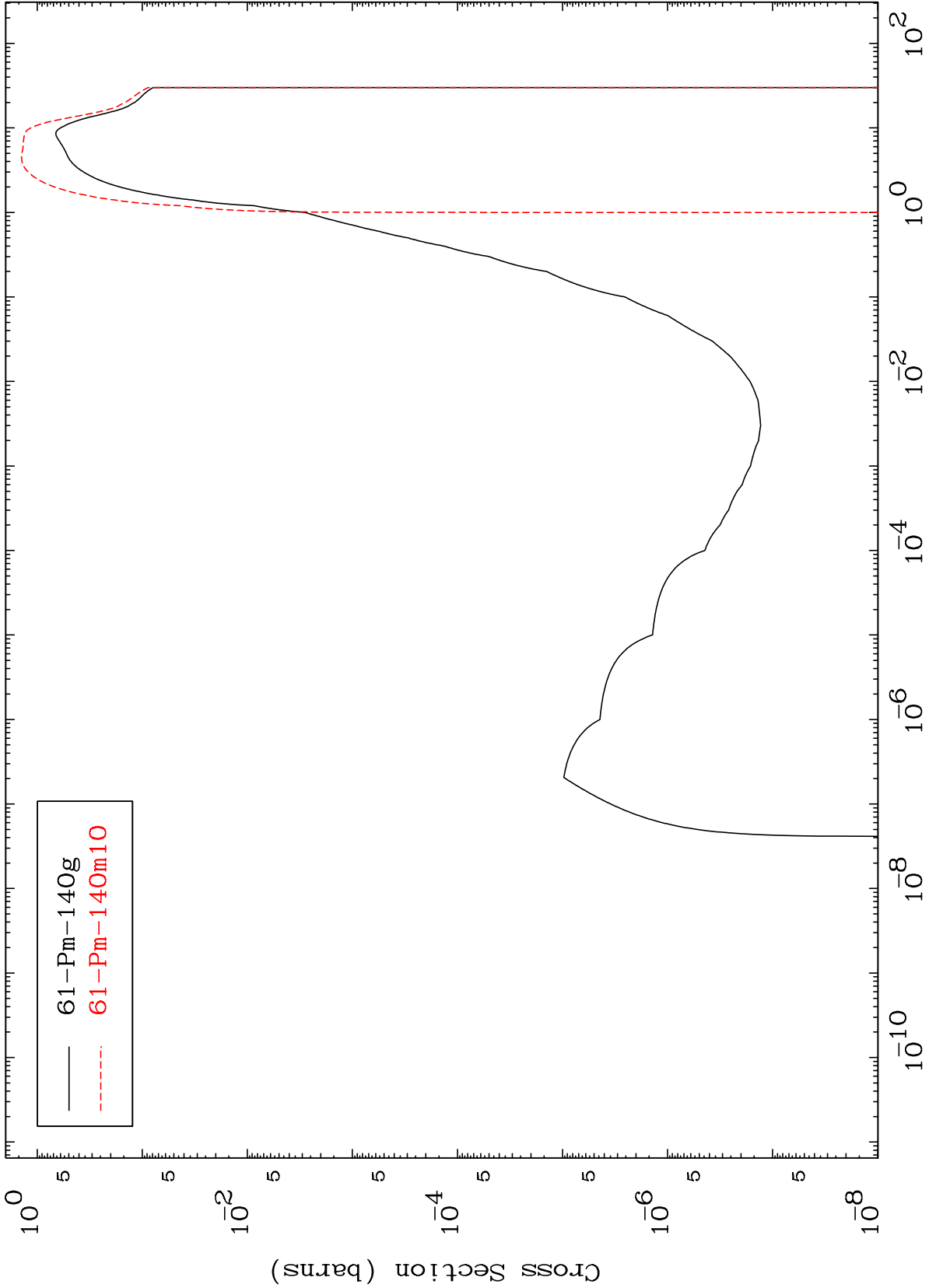
$\times 10^{-6}$

Legendre (CM)

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Inelastic
Radionuclide Production Cross Section

61-Pm-140m



61-Pm-140m

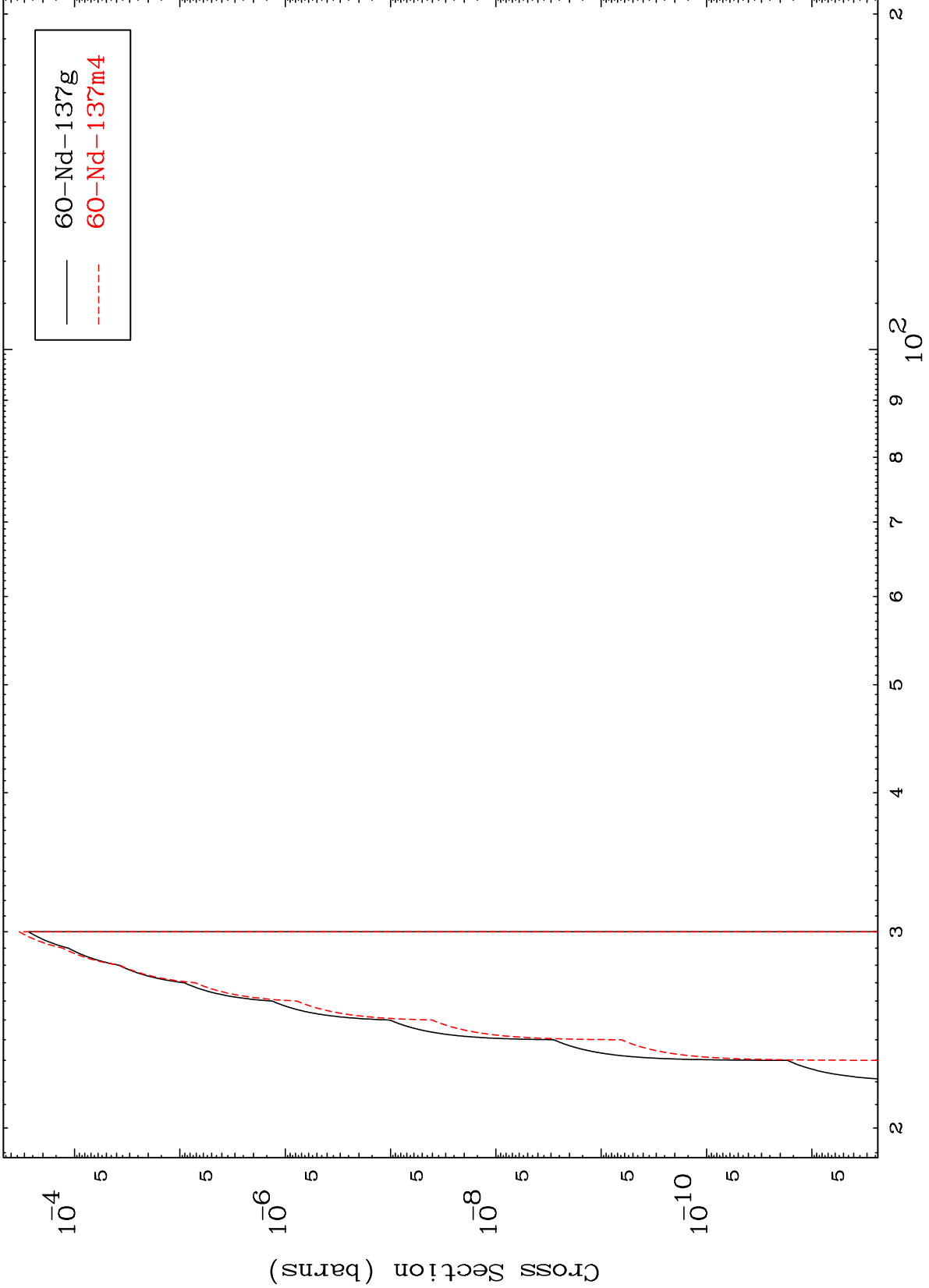
Incident Energy (MeV)

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(n,2n) d

61-Pm-140m

Radionuclide Production Cross Section



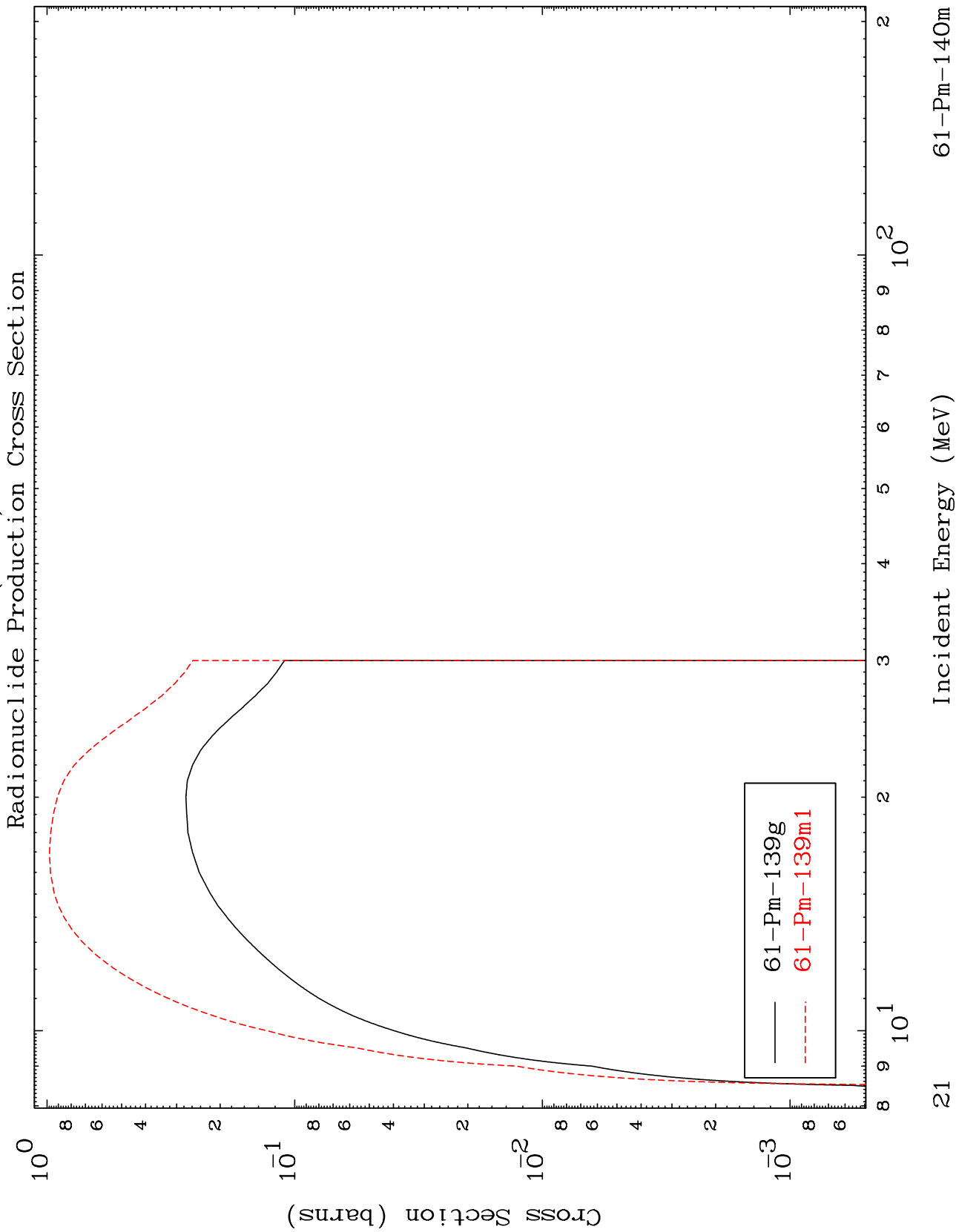
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Incident Energy (MeV)

61-Pm-140m

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61-Pm-140m

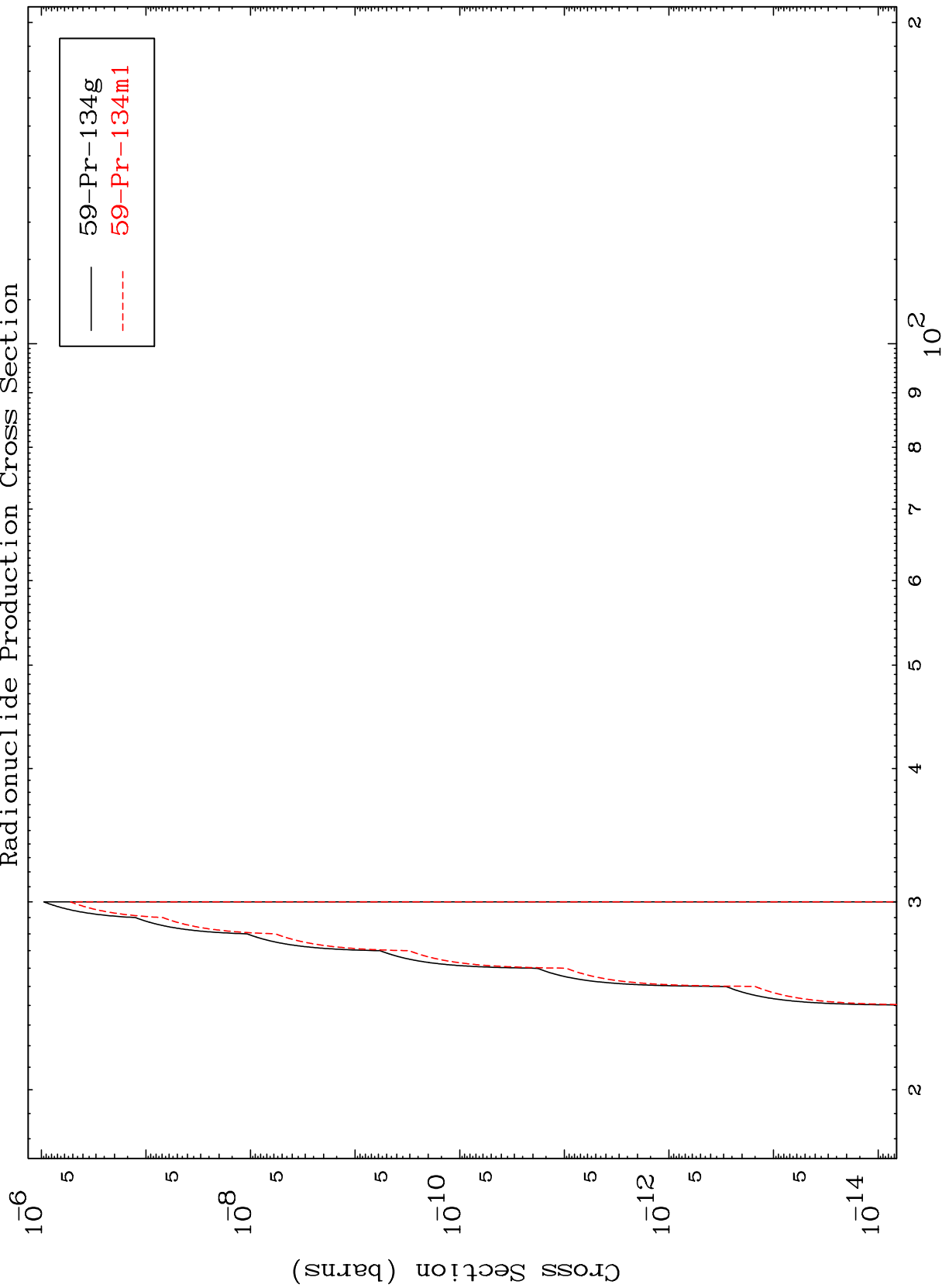


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61-Pm-140m

(n,3n) α

Radionuclide Production Cross Section



61-Pm-140m

Incident Energy (MeV)

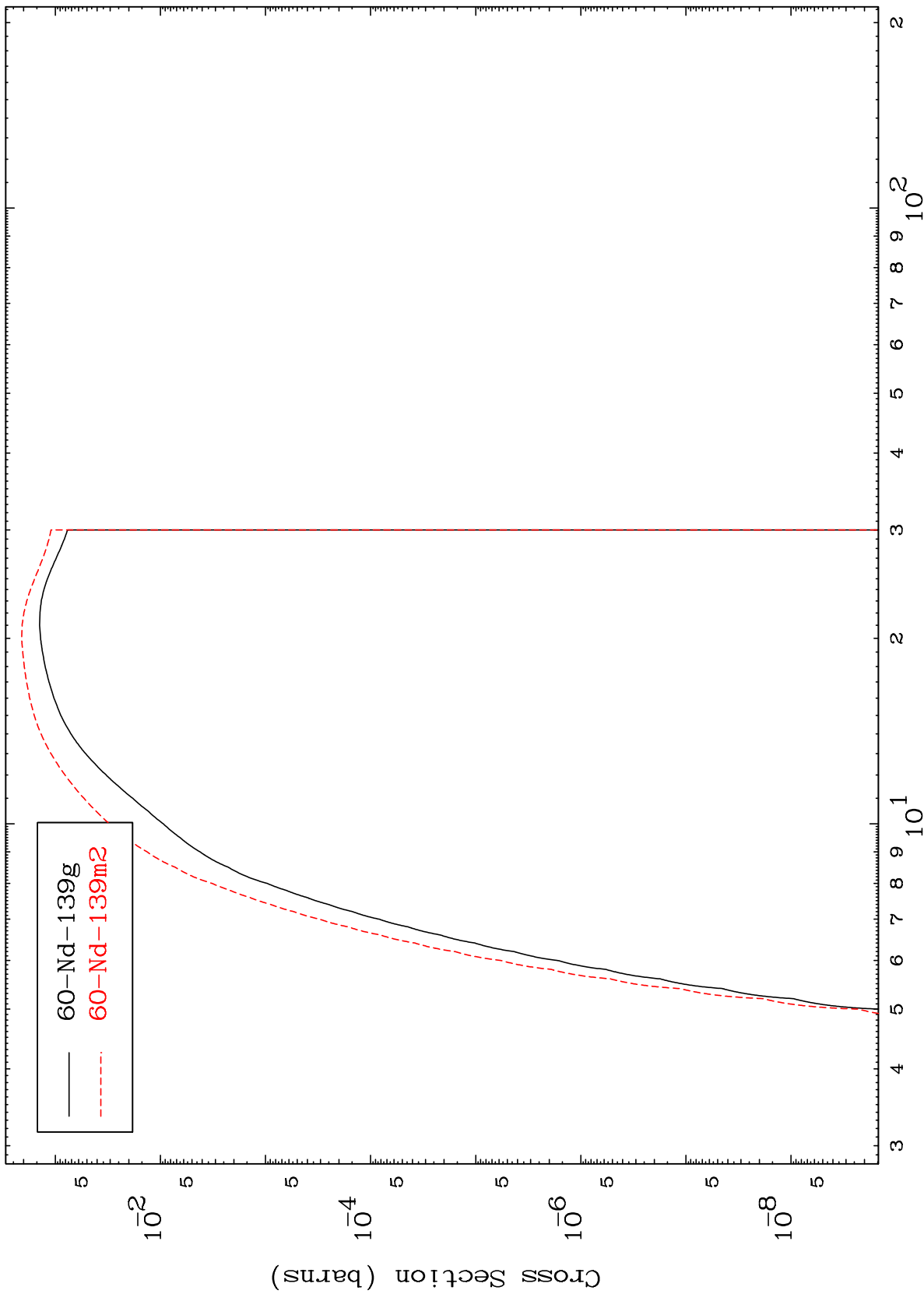
22

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61-Pm-140m

(n,n') p

Radionuclide Production Cross Section



61-Pm-140m

Incident Energy (MeV)

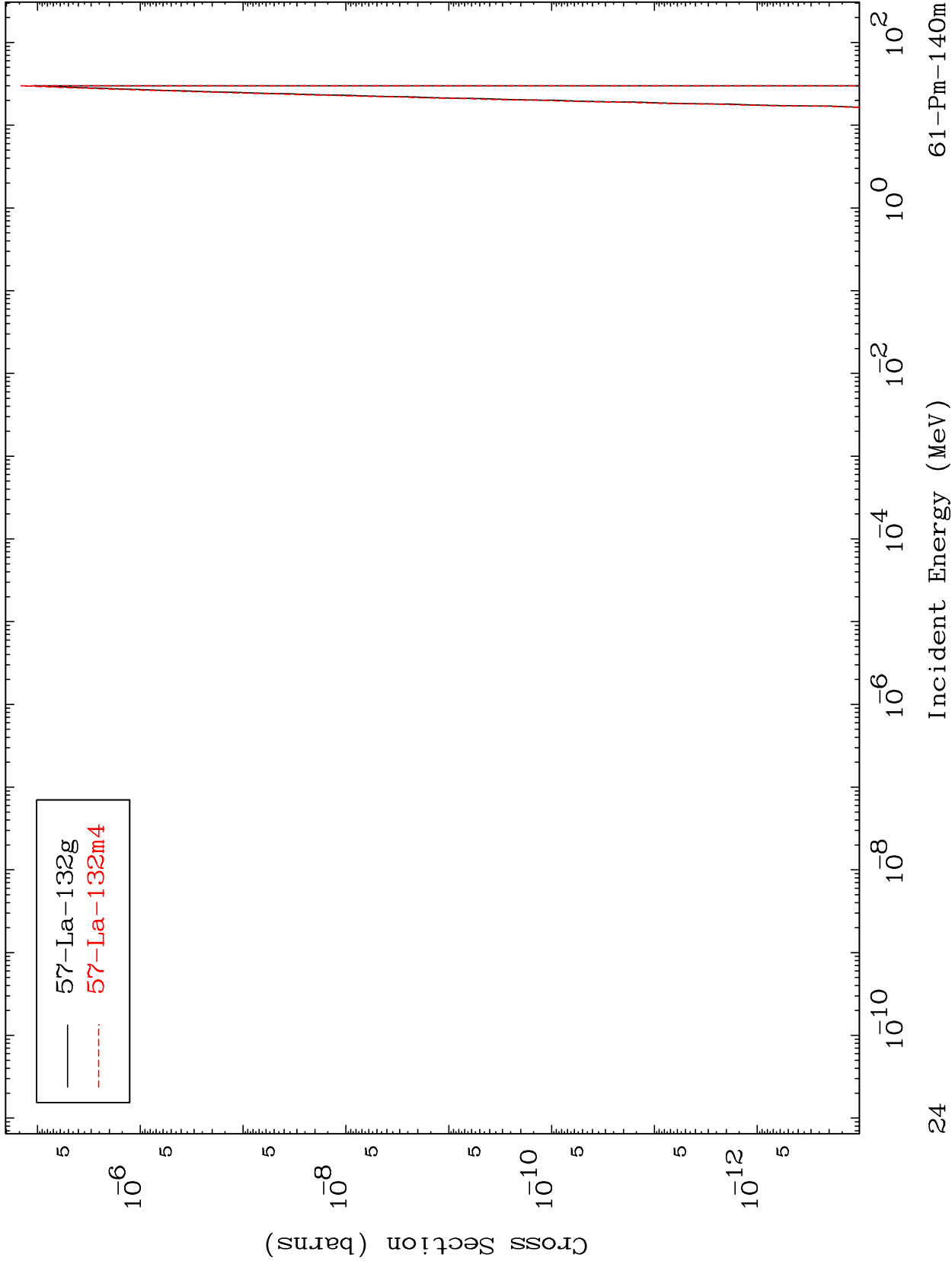
23

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(n,n') 2α

61-Pm-140m

Radionuclide Production Cross Section

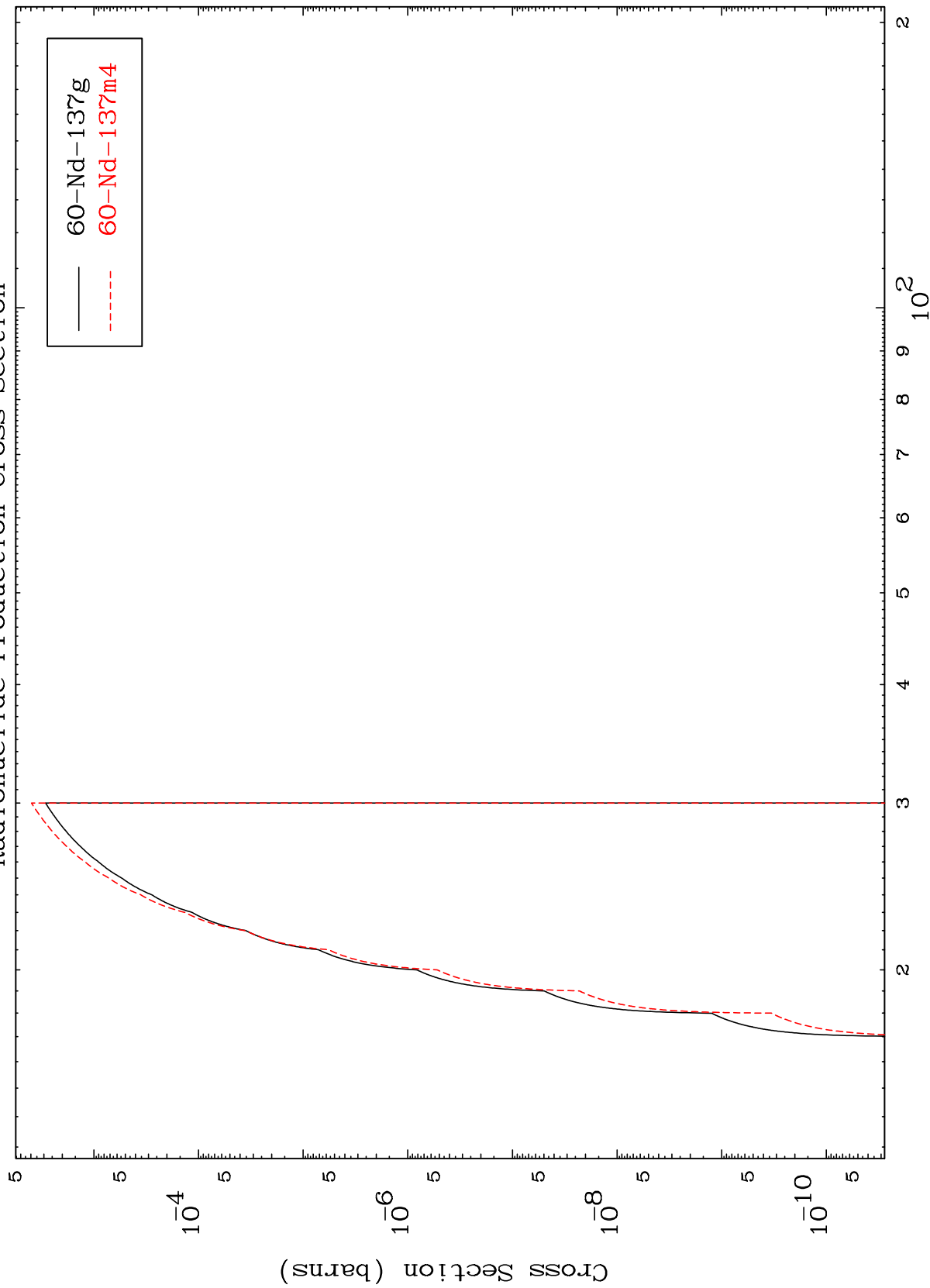


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(n,n') t

61-Pm-140m

Radionuclide Production Cross Section

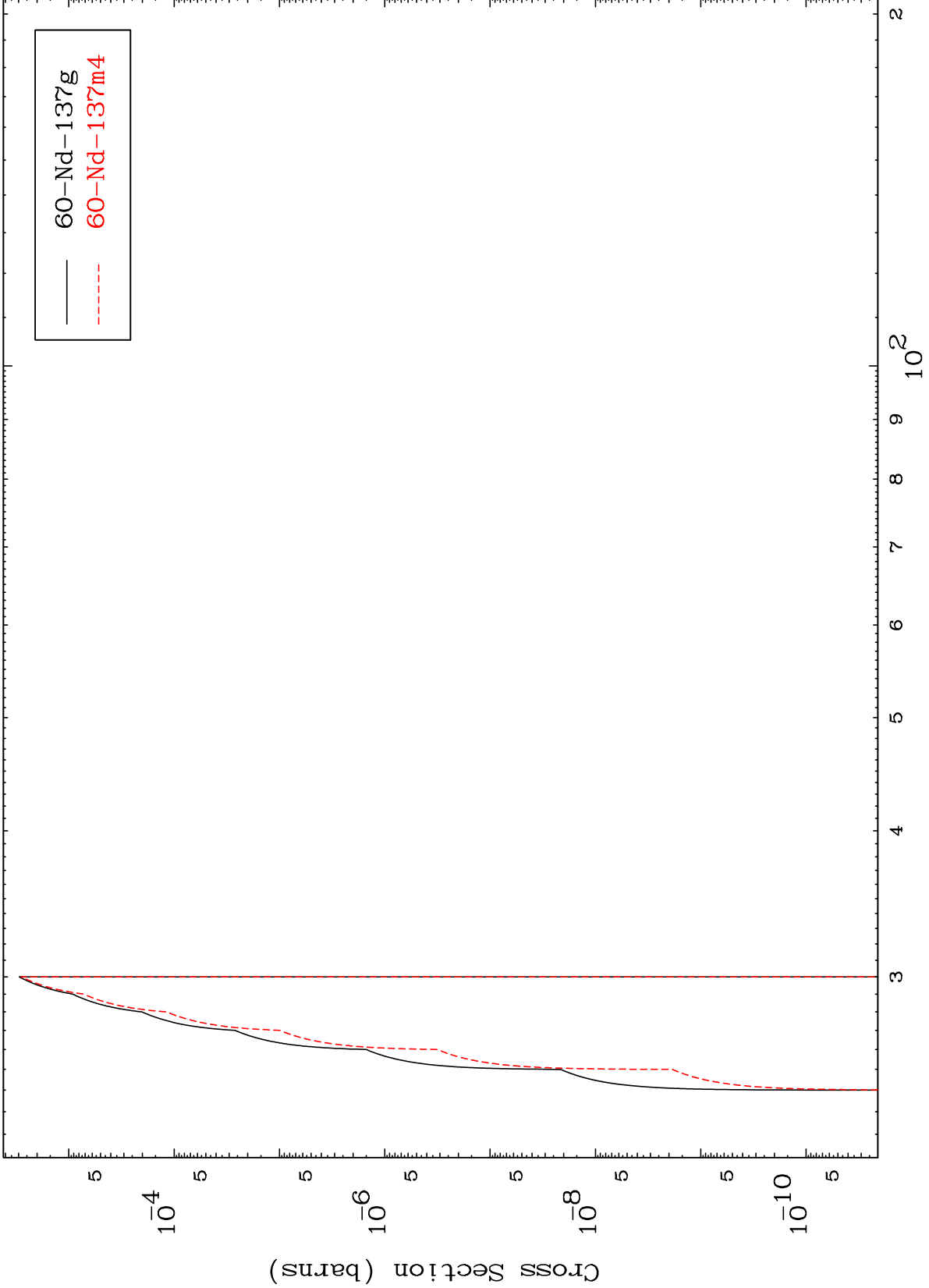


25

Incident Energy (MeV)

61-Pm-140m

Radionuclide Production Cross Section

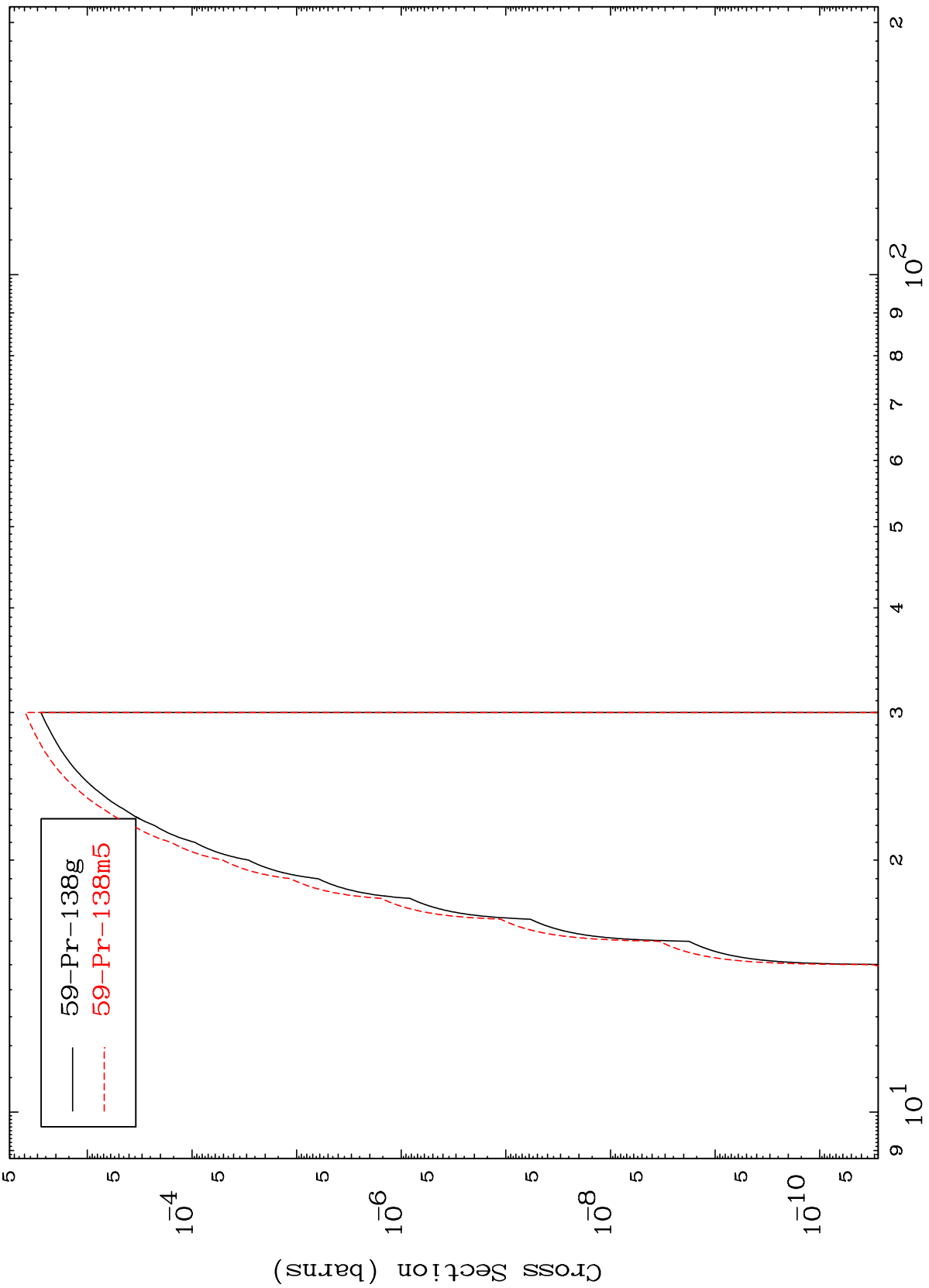


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(n,2n) p

61-Pm-140m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

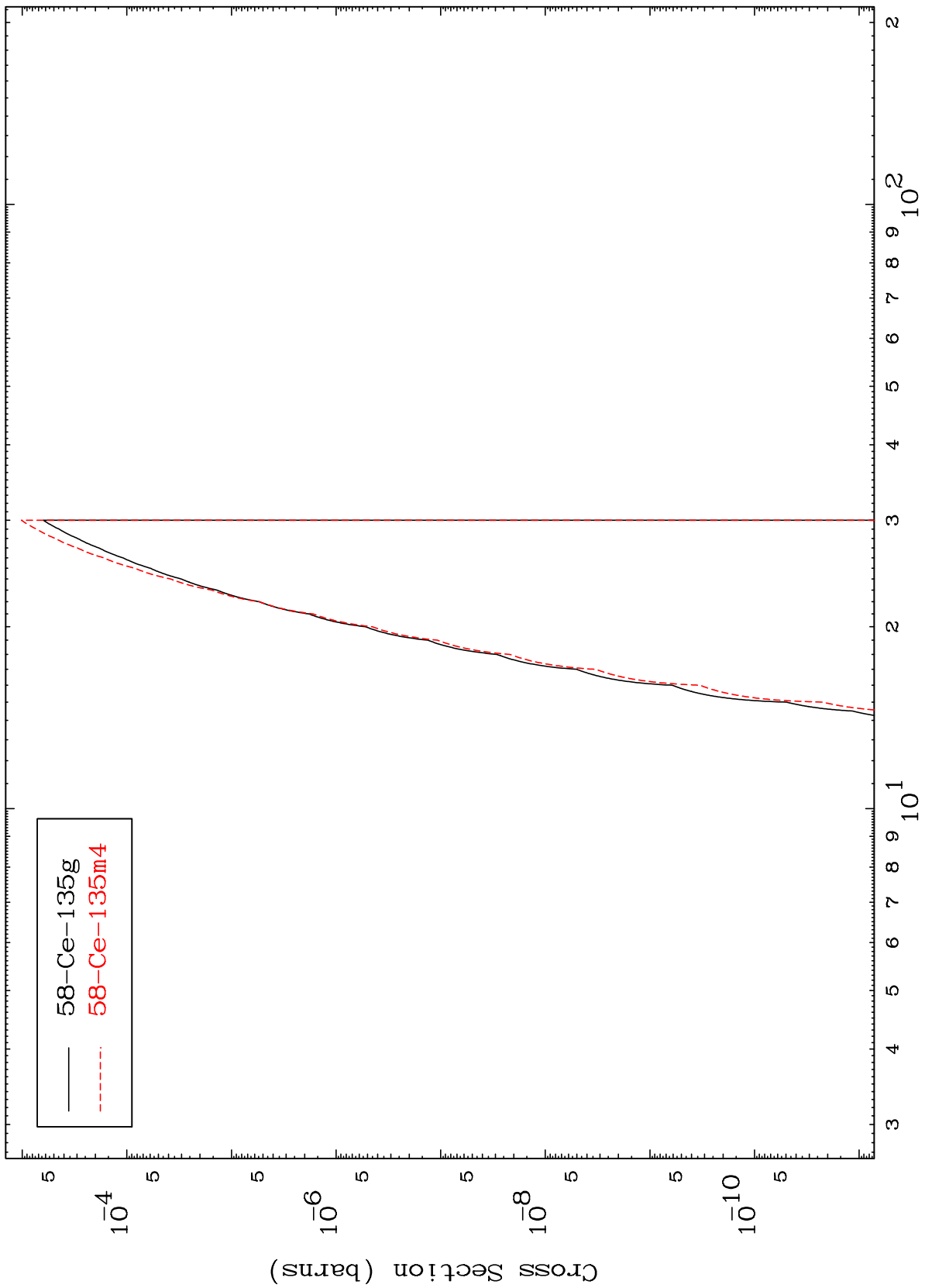
61-Pm-140m

MAT 6129

(n,n') p α

61-Pm-140m

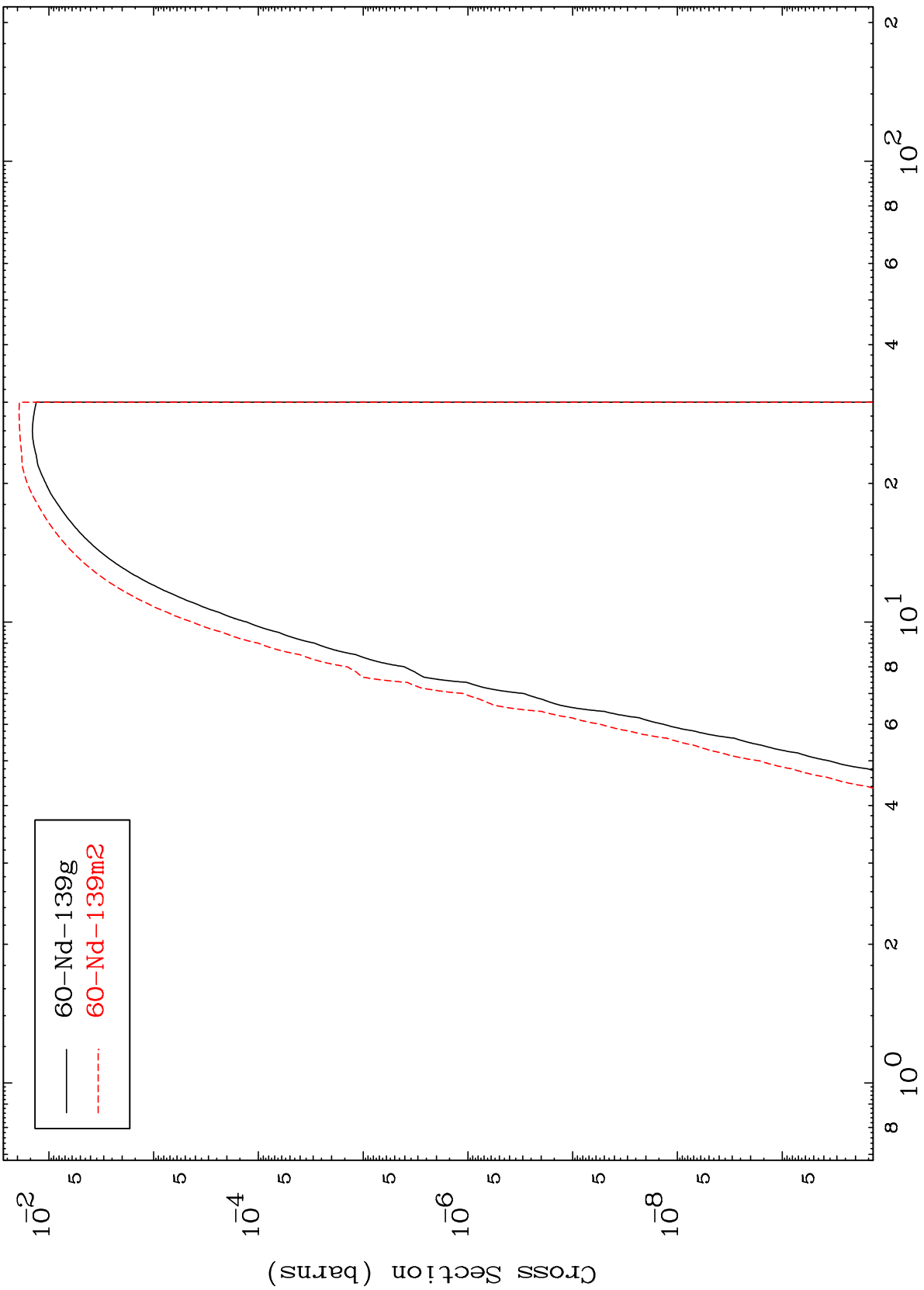
Radionuclide Production Cross Section



MAT 6129

61-Pm-140m

(n,d)
Radionuclide Production Cross Section



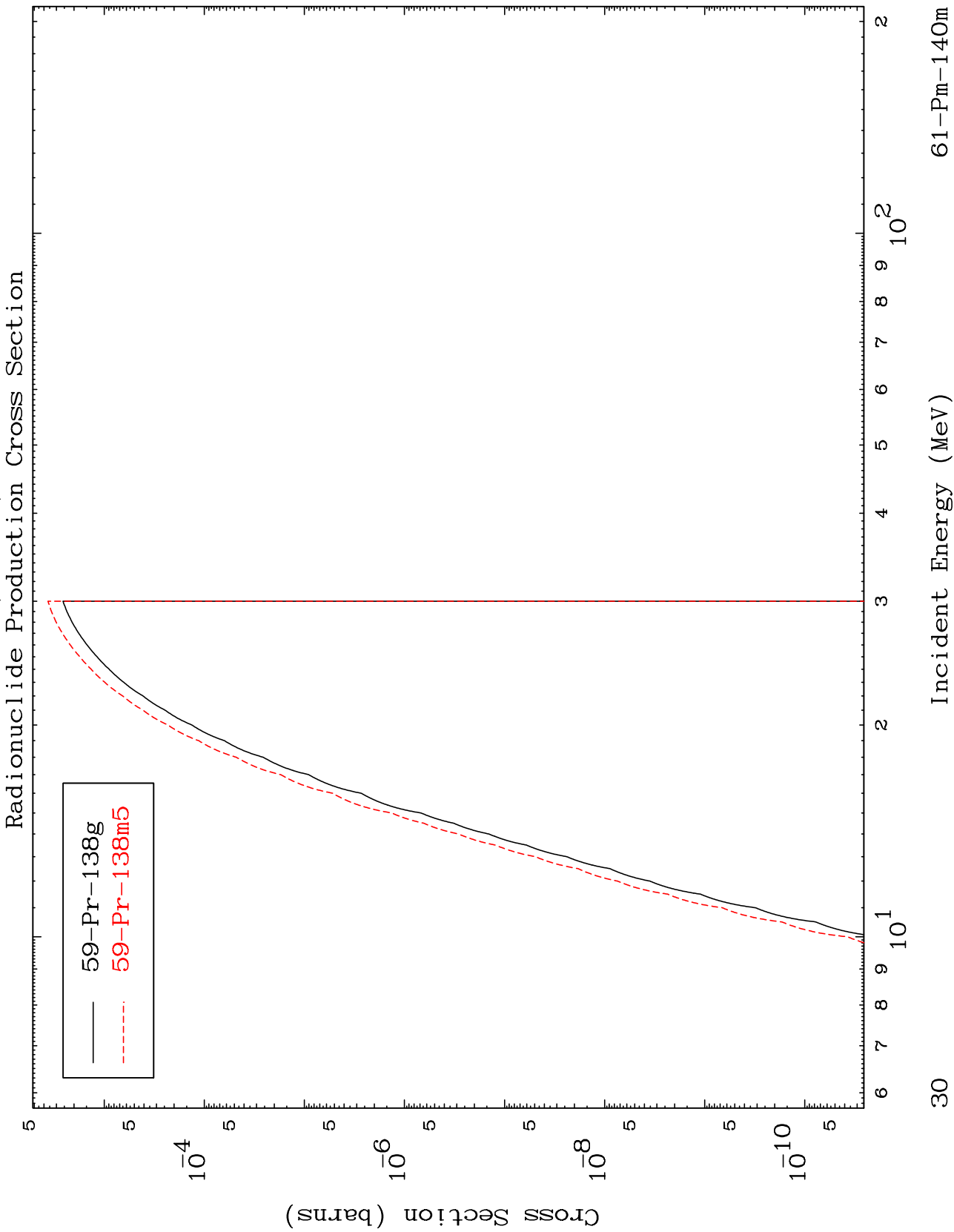
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Incident Energy (MeV)

61-Pm-140m

MAT 6129

61-Pm-140m



30

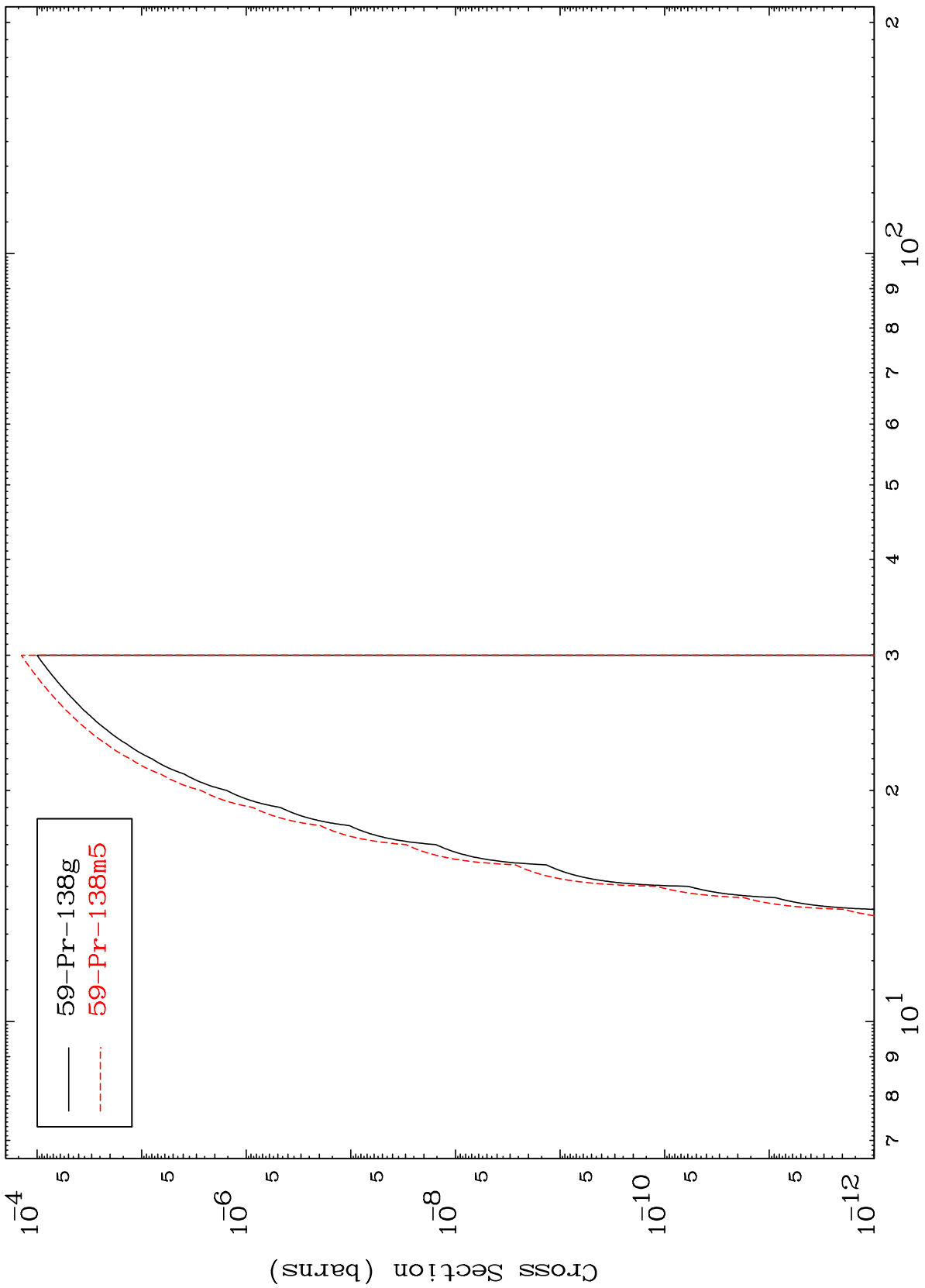
61-Pm-140m

MAT 6129

(n,p) d

61-Pm-140m

Radionuclide Production Cross Section



31

Incident Energy (MeV)

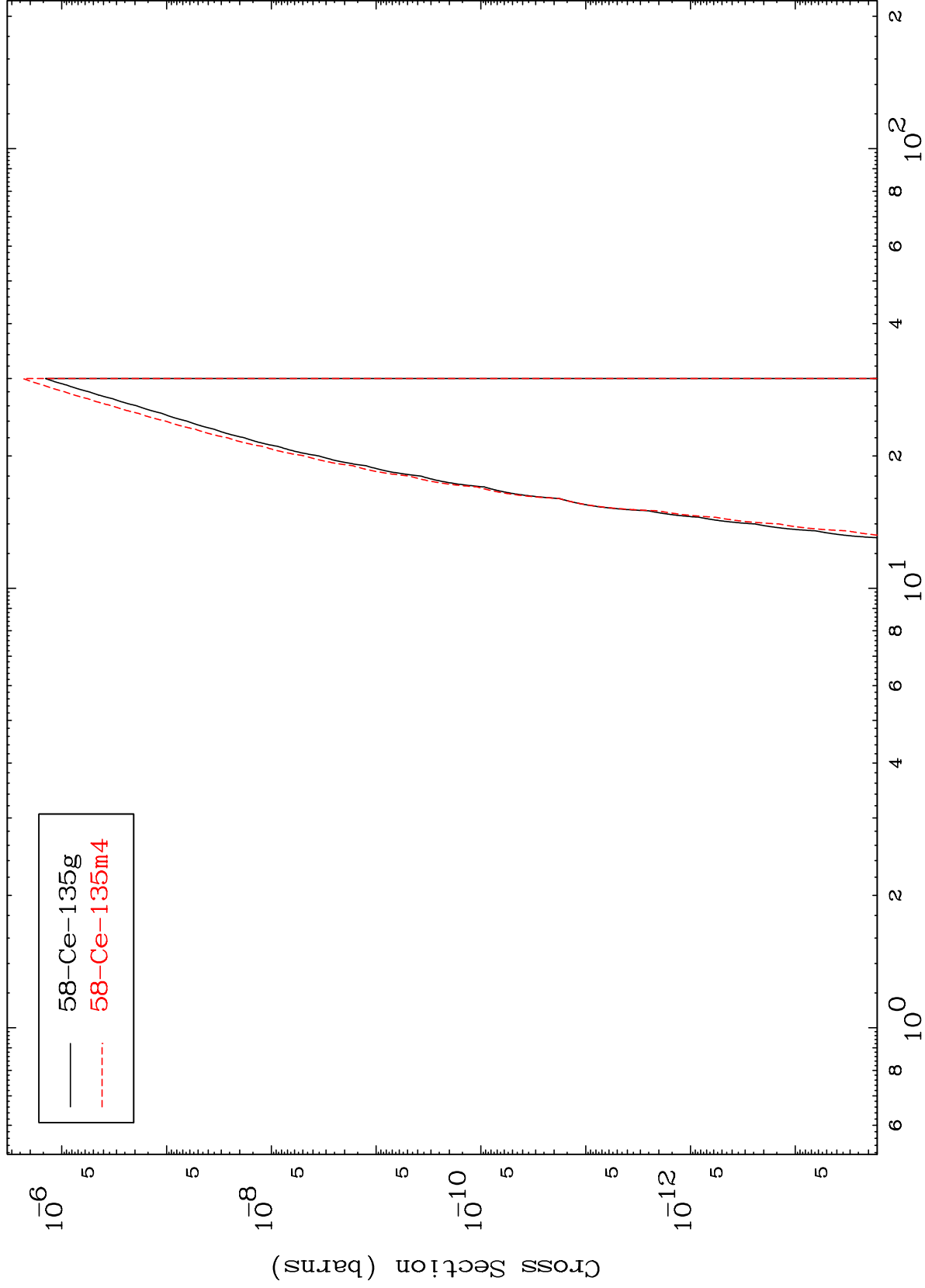
61-Pm-140m

MAT 6129

(n,d) α

61-Pm-140m

Radionuclide Production Cross Section



32

Incident Energy (MeV)

61-Pm-140m