

Program EVALPLOT  
(Version 2021-1)

by

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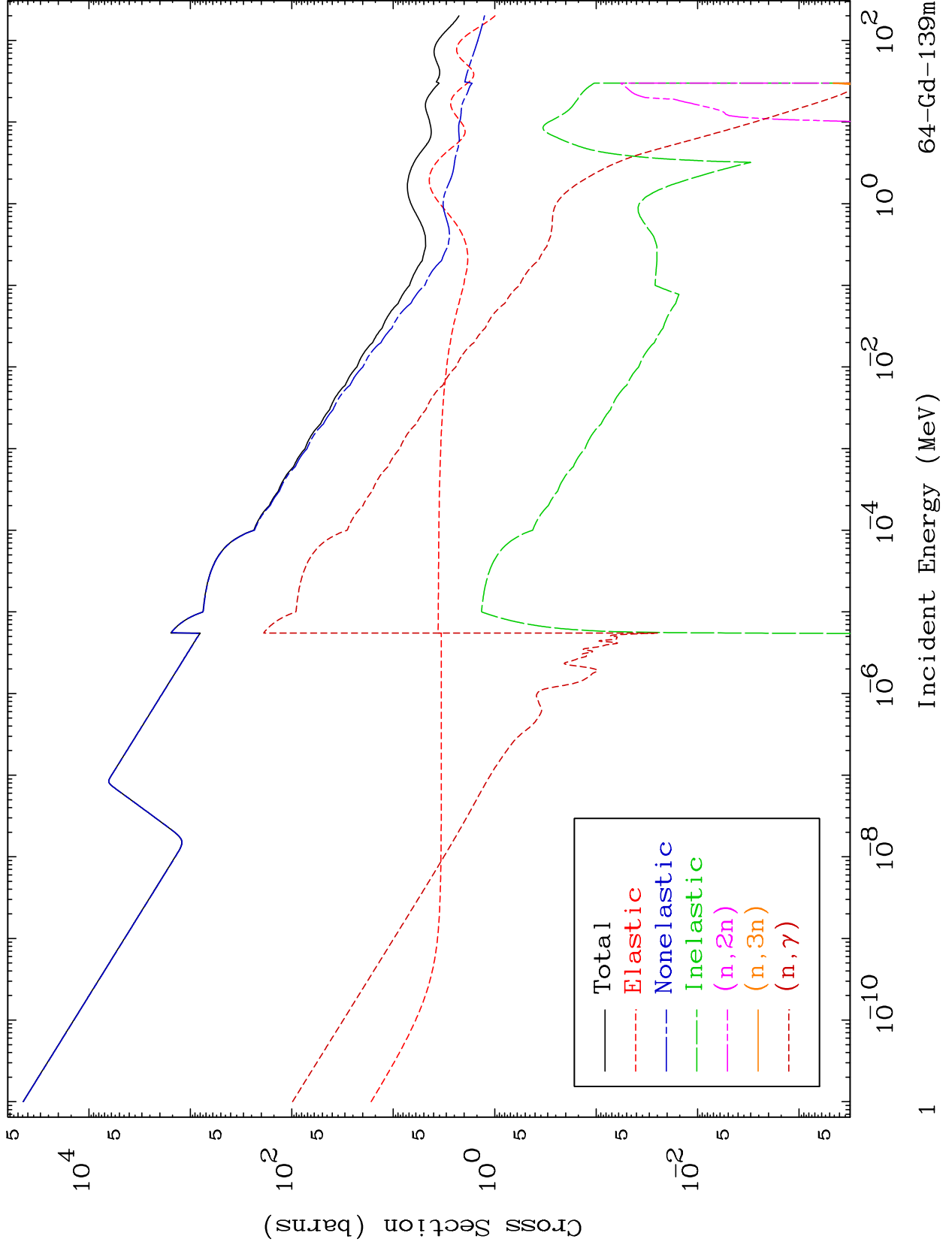
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6387

Neutron Major  
293 Kelvin Cross Sections

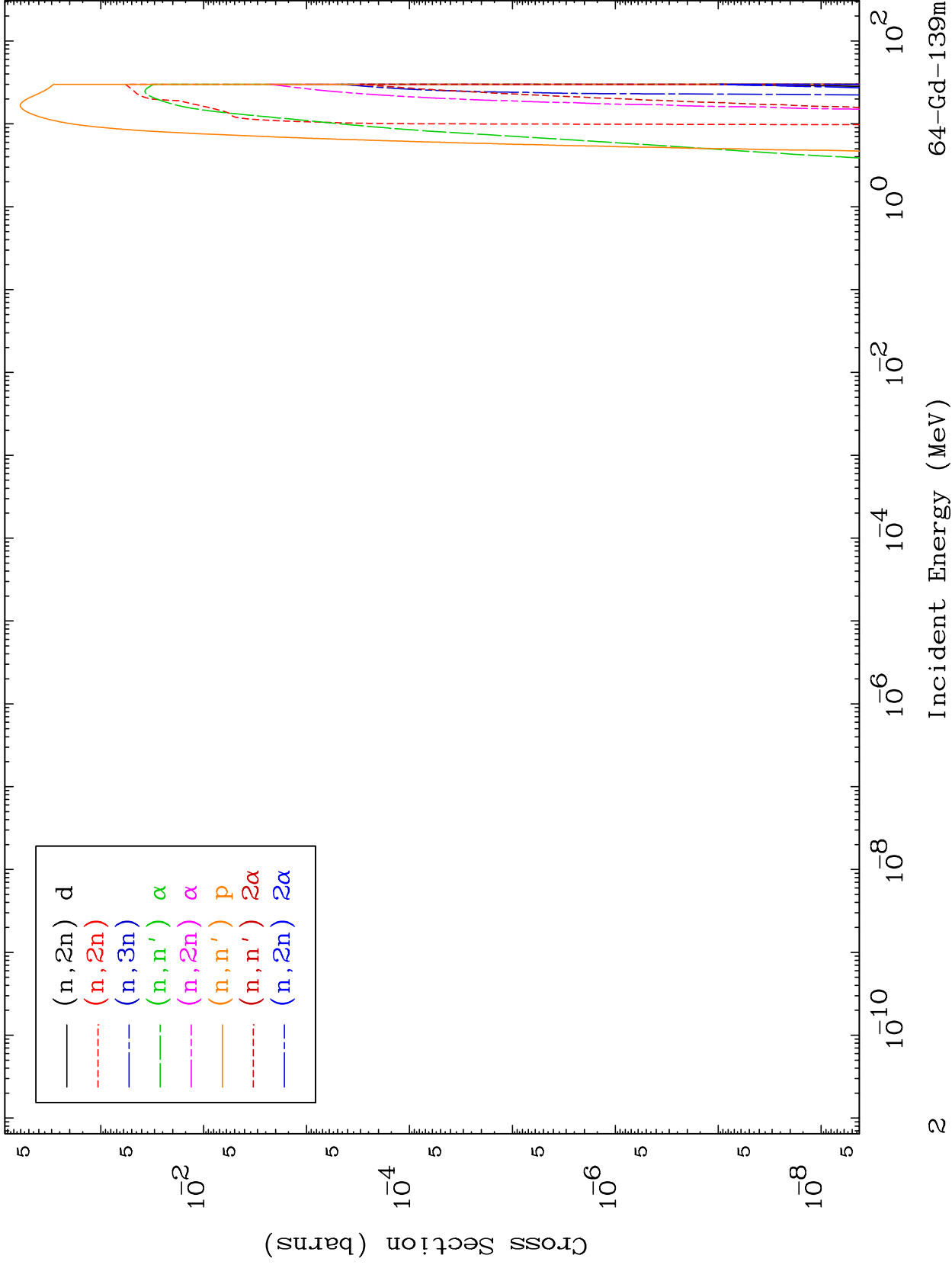
64-Gd-139m



MAT 6387

Neutron Absorption  
293 Kelvin Cross Sections

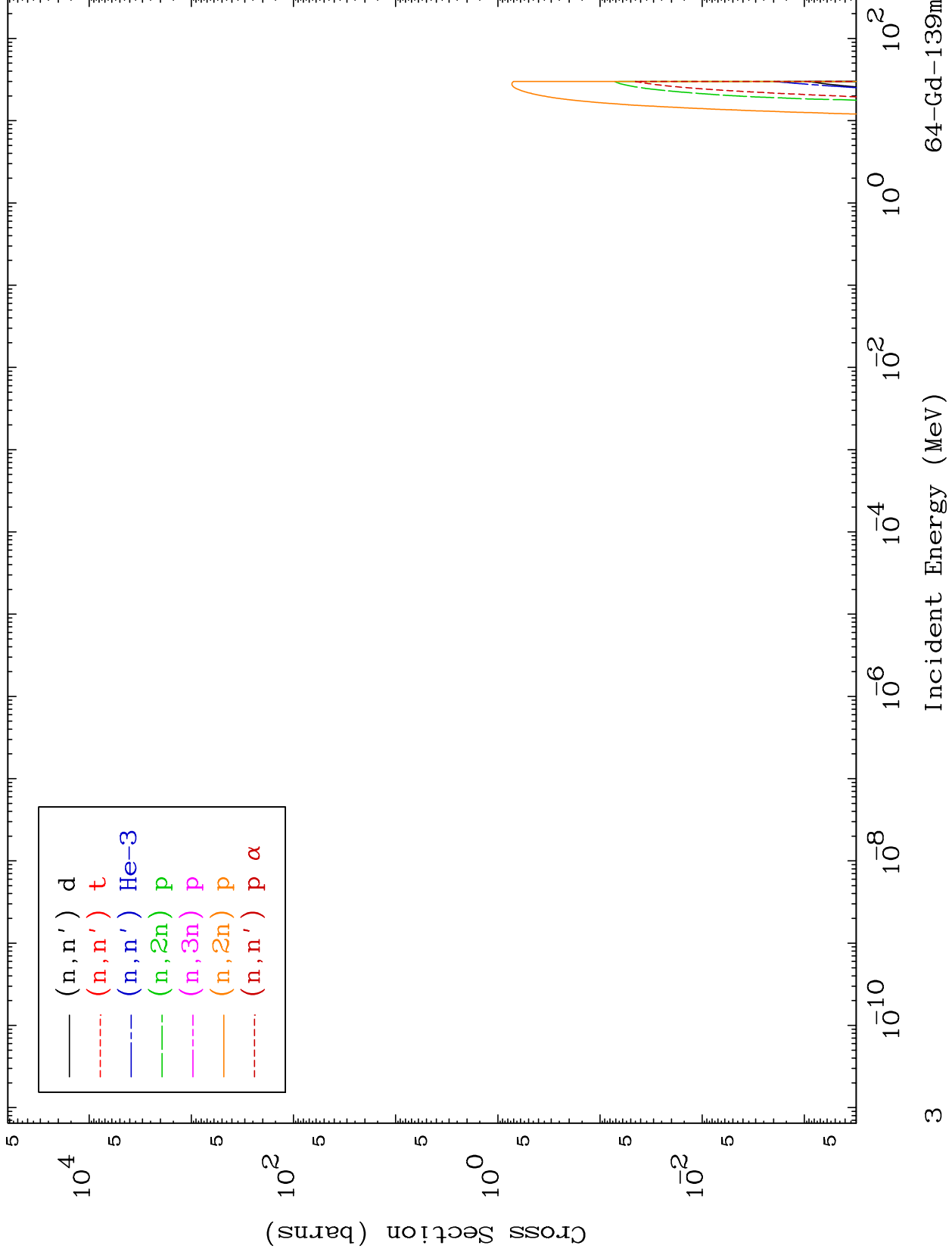
64-Gd-139m



MAT 6387

Neutron Absorption  
293 Kelvin Cross Sections

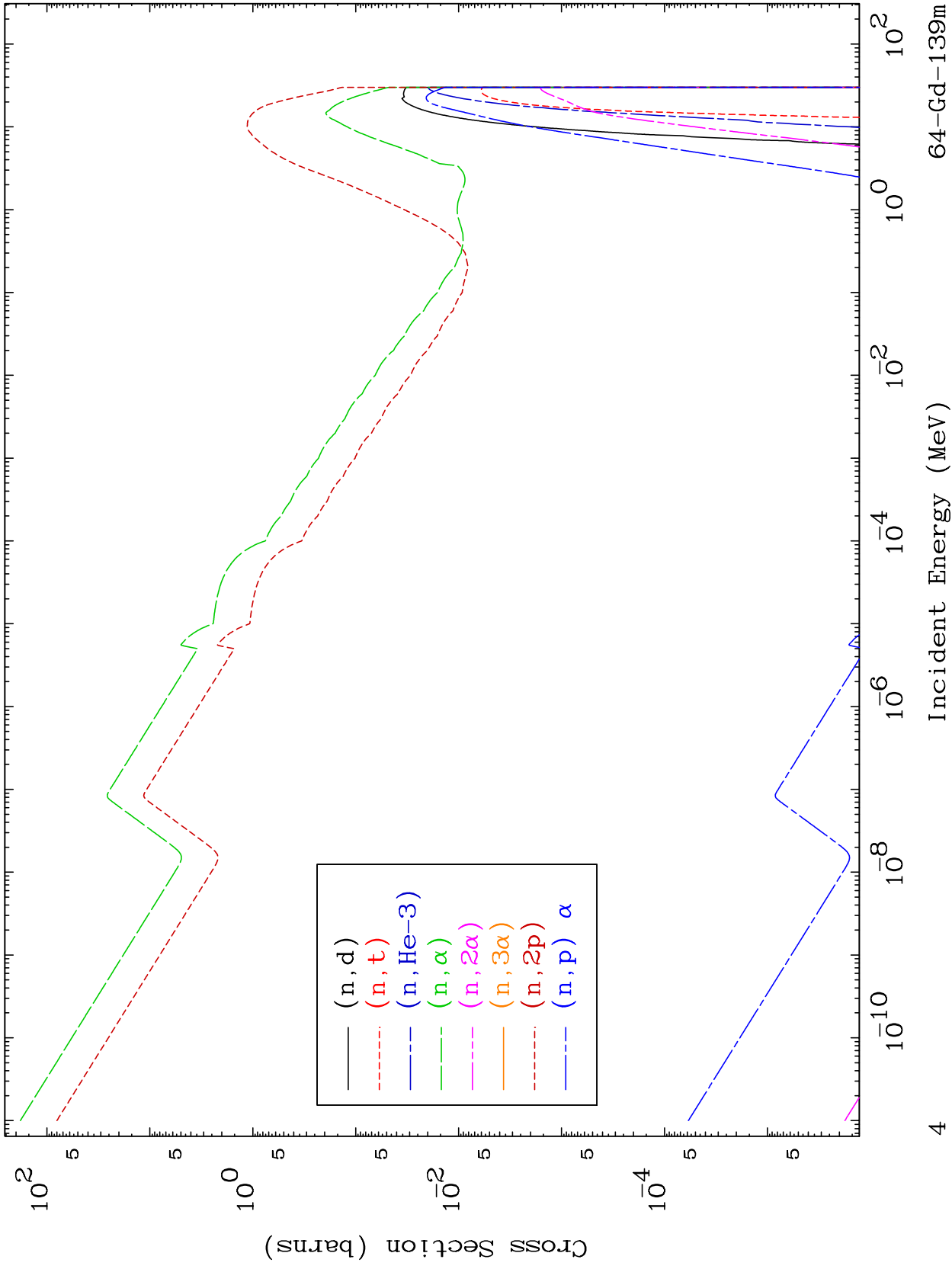
64-Gd-139m



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Neutron Absorption  
293 Kelvin Cross Sections

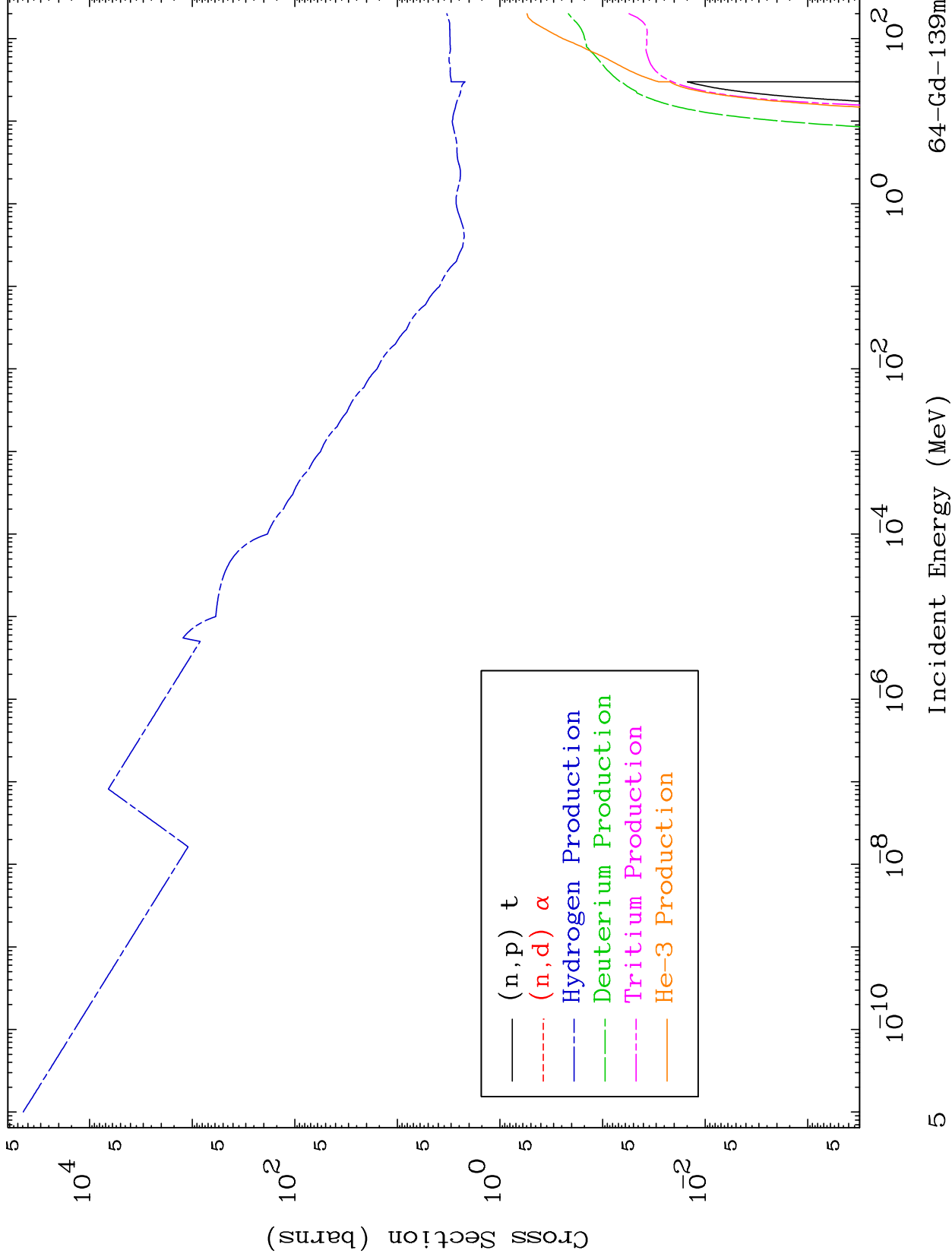
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Neutron Absorption  
293 Kelvin Cross Sections

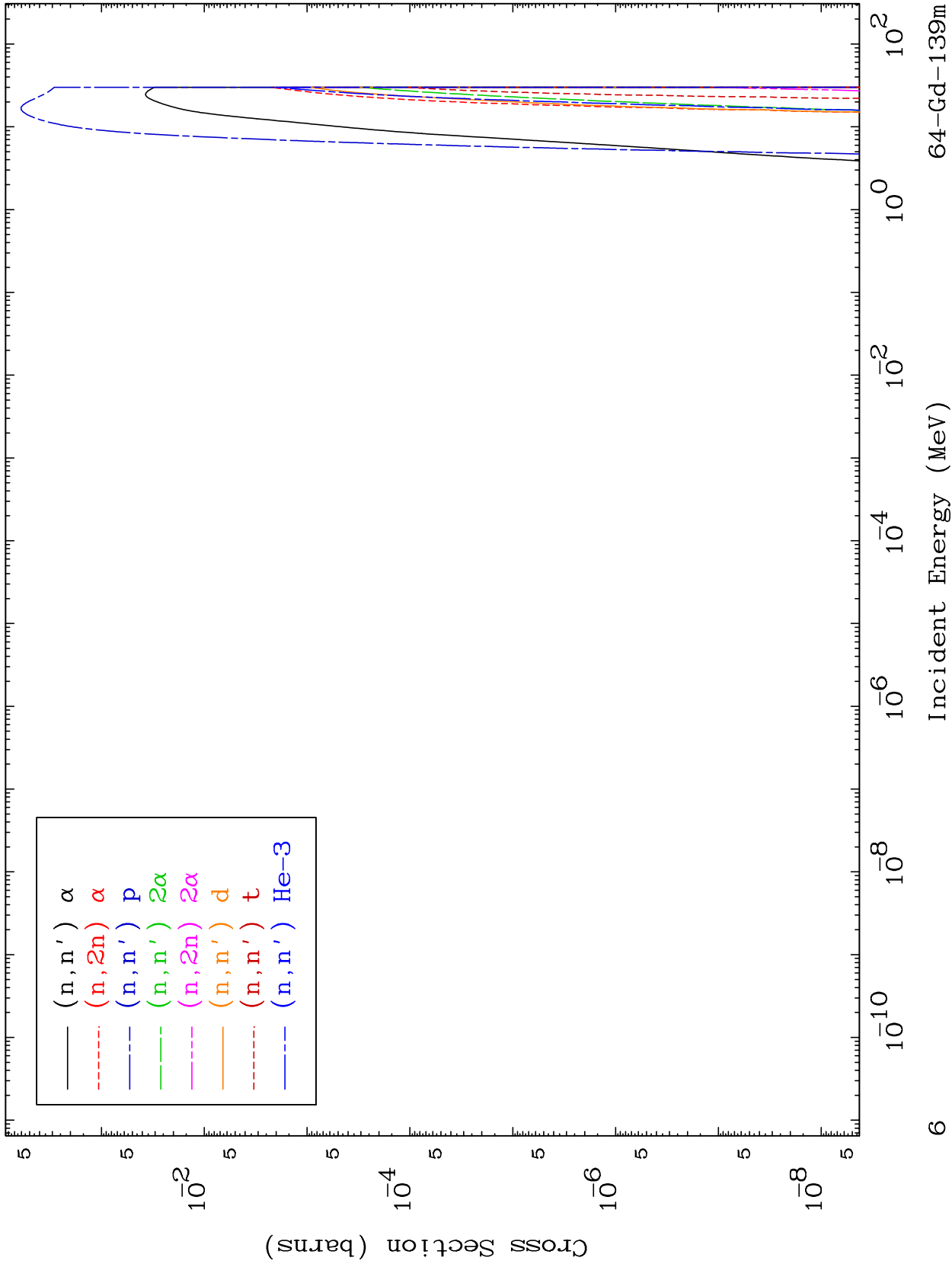
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MAT 6387

Charged Particle  
293 Kelvin Cross Sections

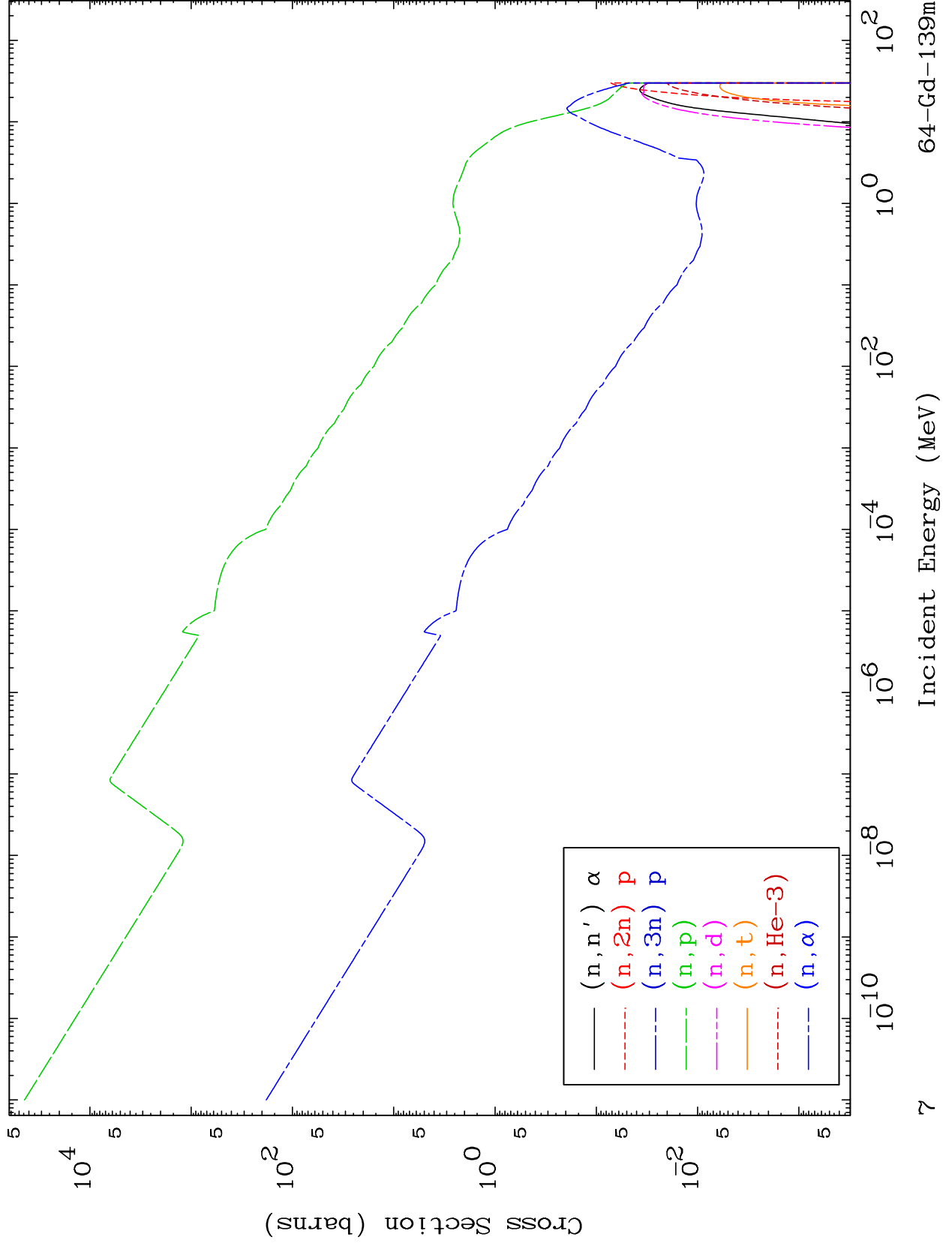
64-Gd-139m



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Charged Particle  
293 Kelvin Cross Sections

64-Gd-139m

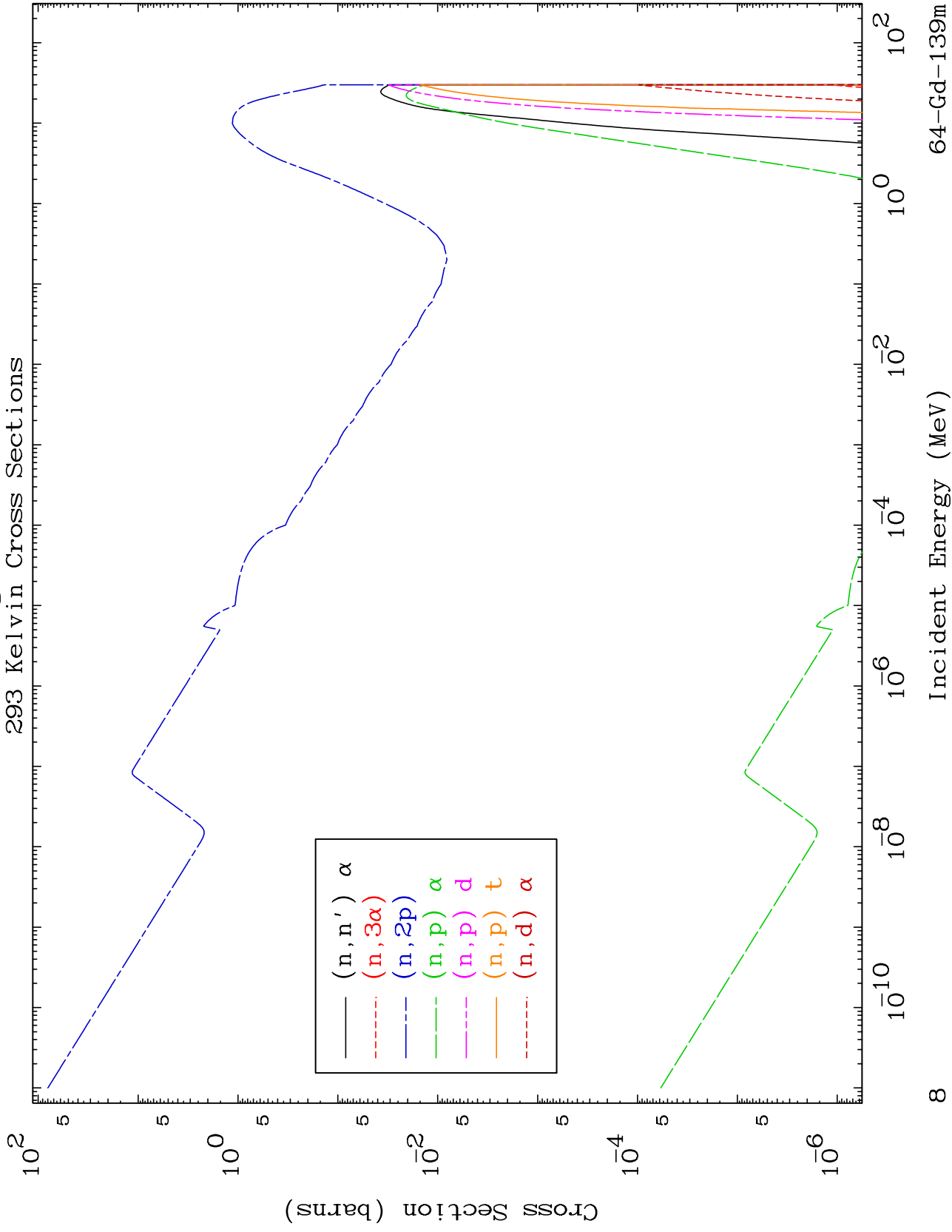




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Charged Particle  
293 Kelvin Cross Sections

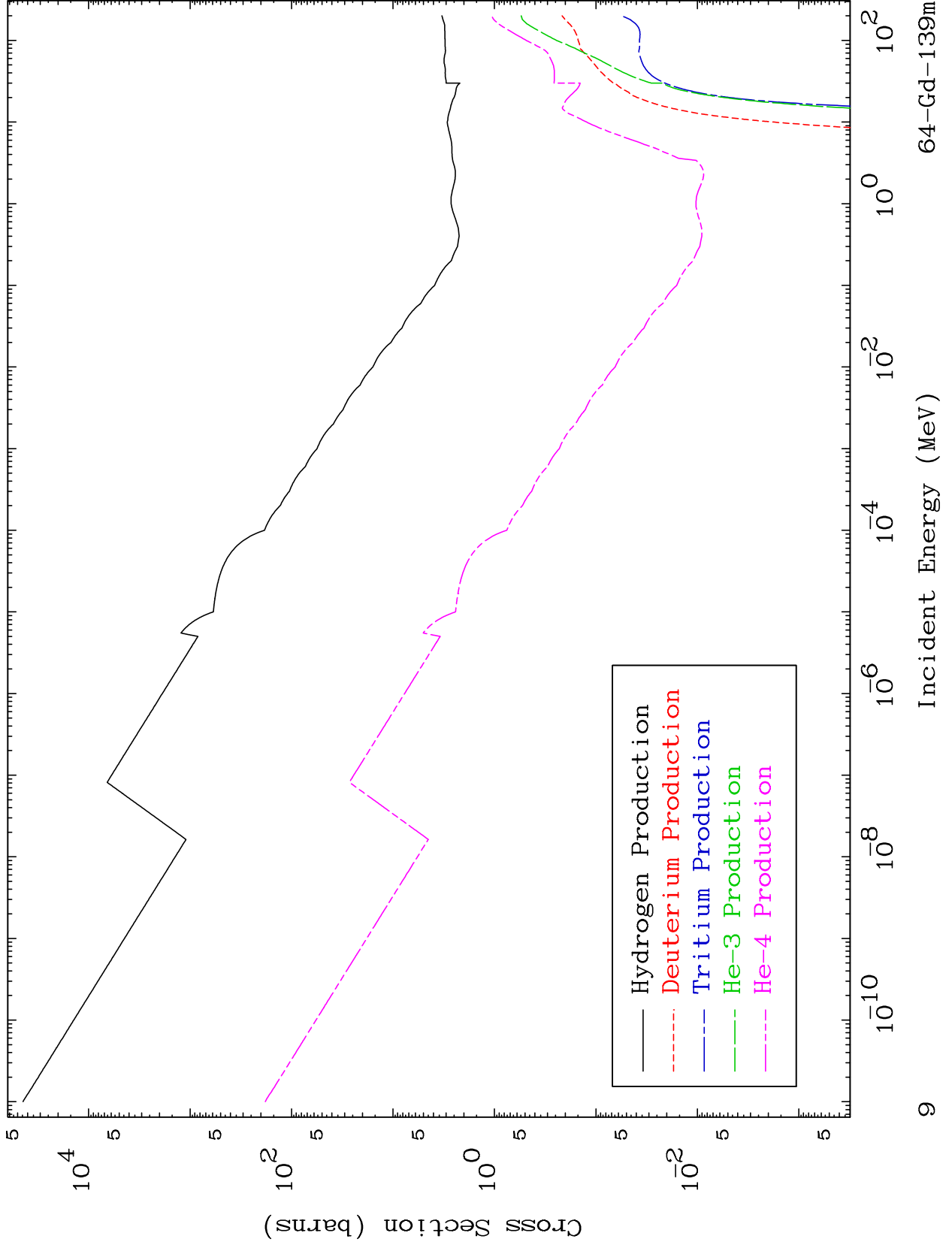
64-Gd-139m



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Particle Production  
293 Kelvin Cross Sections

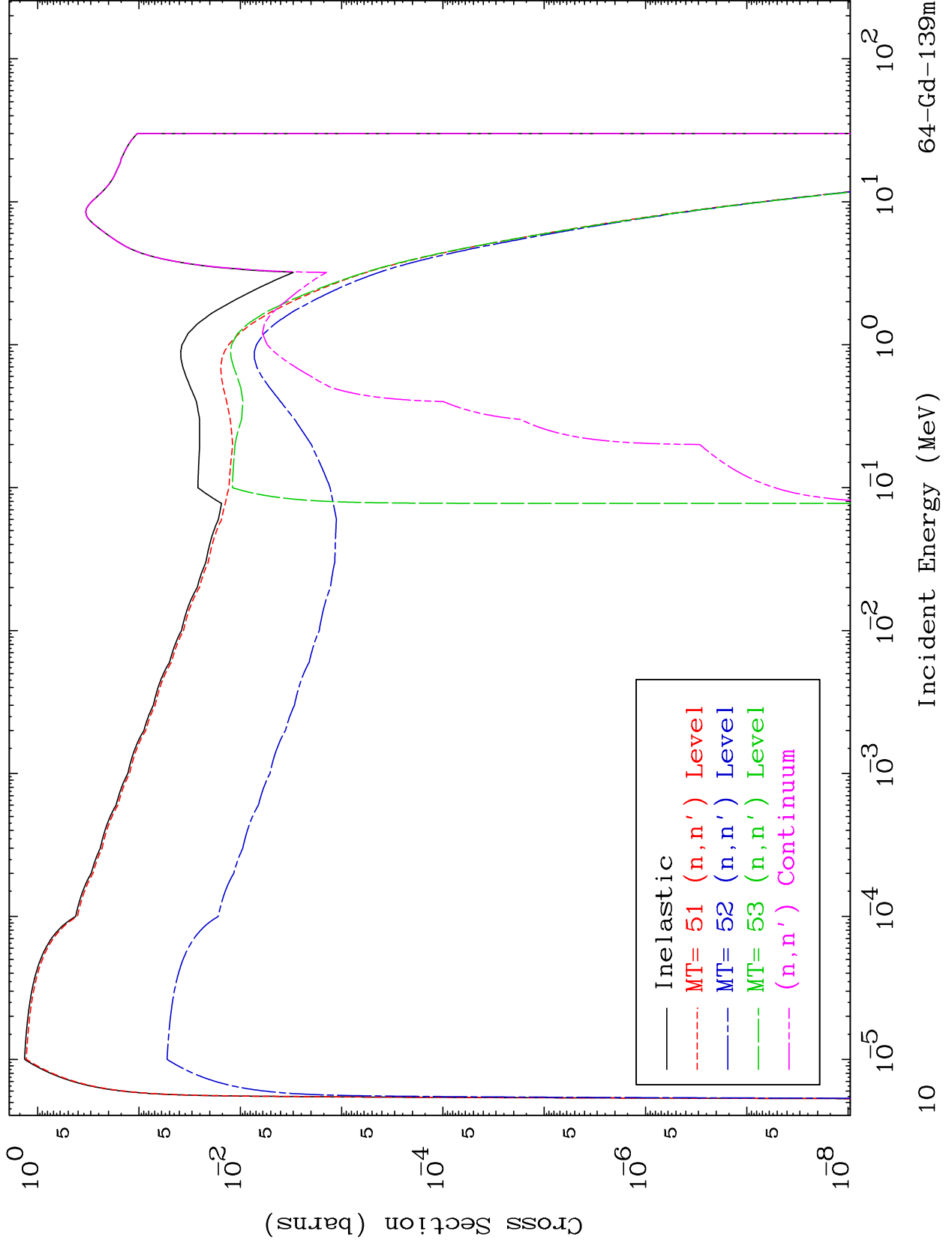
64-Gd-139m



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(n,n') Levels  
293 Kelvin Cross Sections

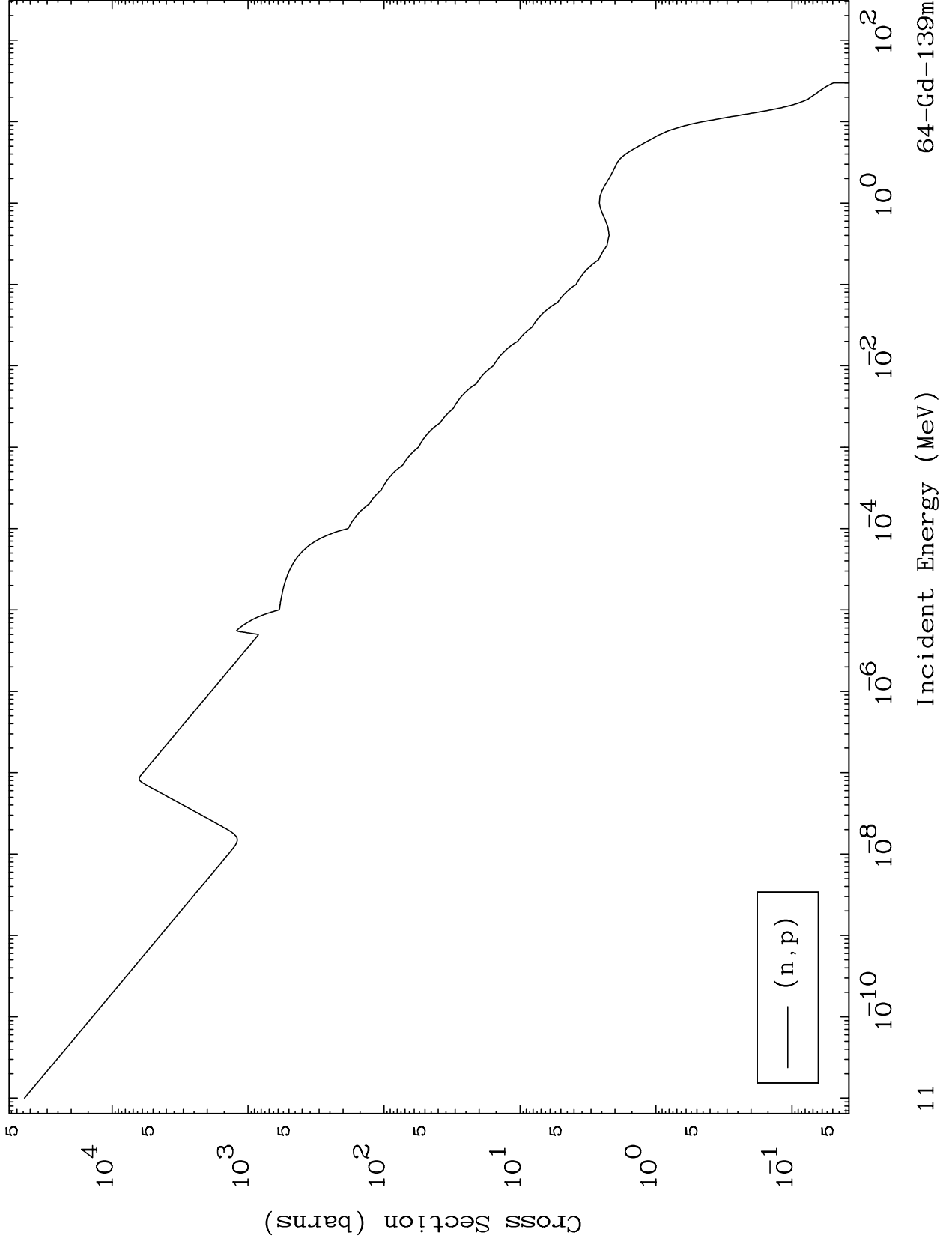
64-Gd-139m



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(n,p) Levels  
293 Kelvin Cross Sections

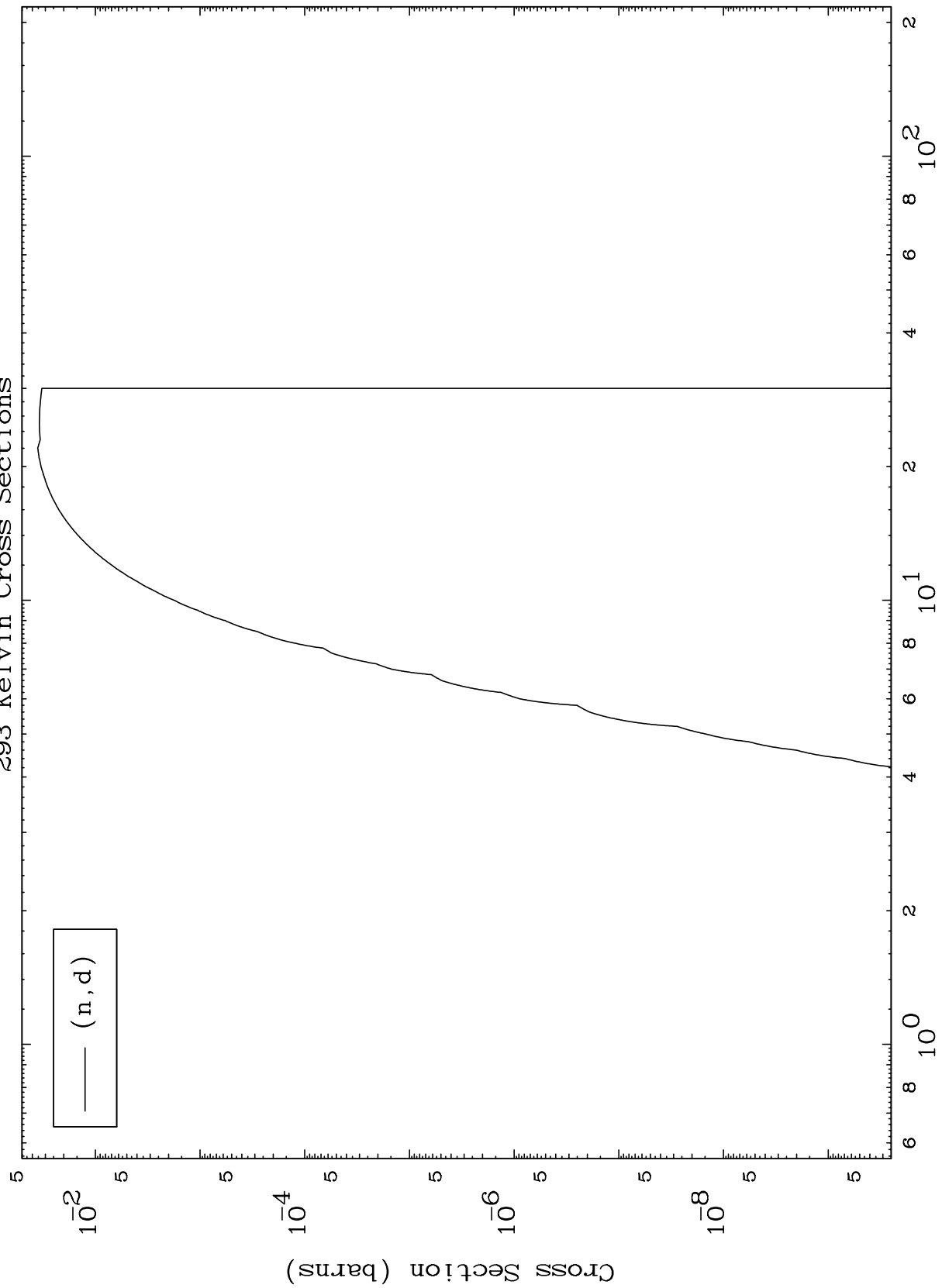
64-Gd-139m



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(n,d) Levels  
293 Kelvin Cross Sections

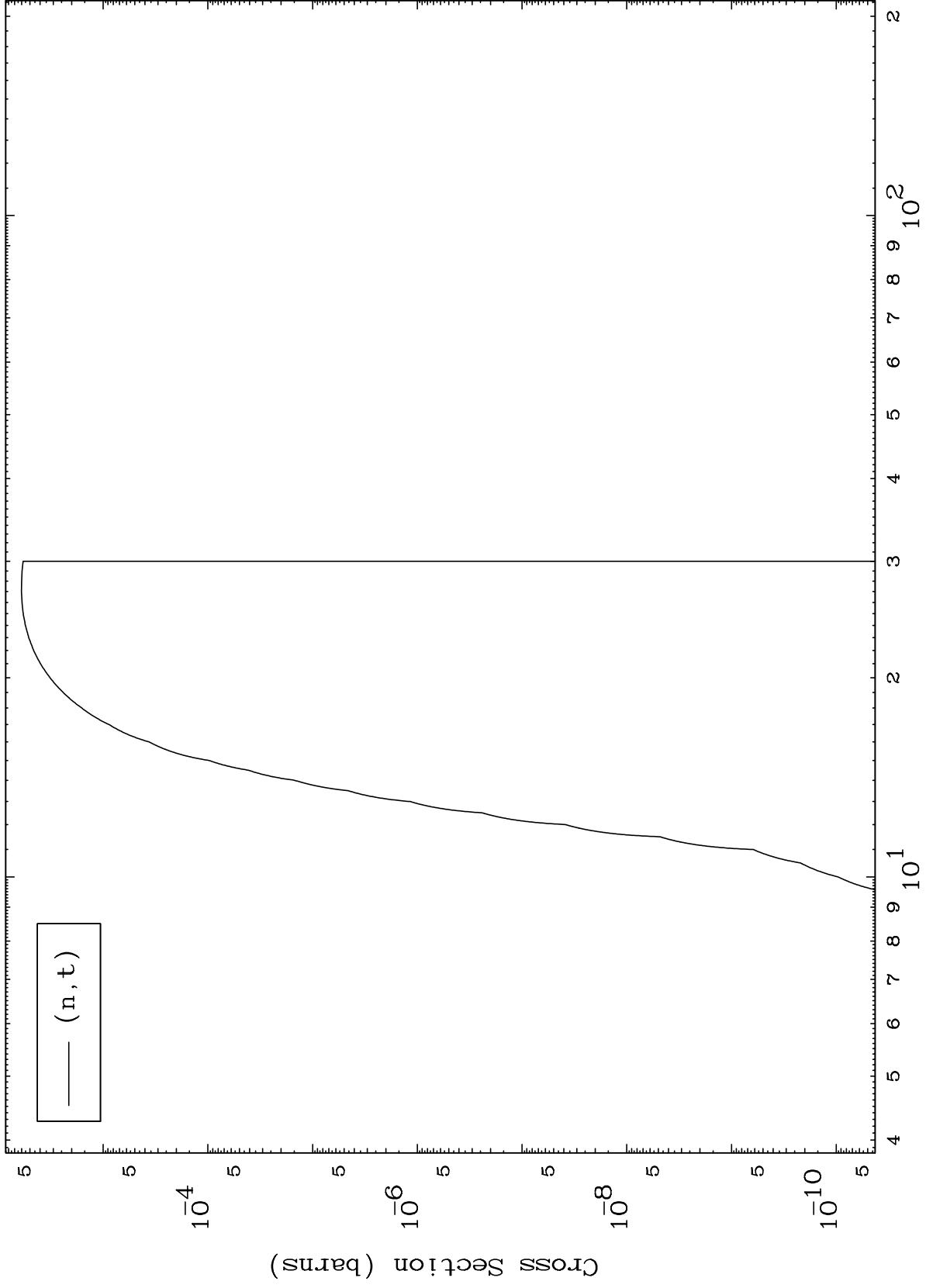
64-Gd-139m



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(n,t) Levels  
293 Kelvin Cross Sections

64-Gd-139m



13

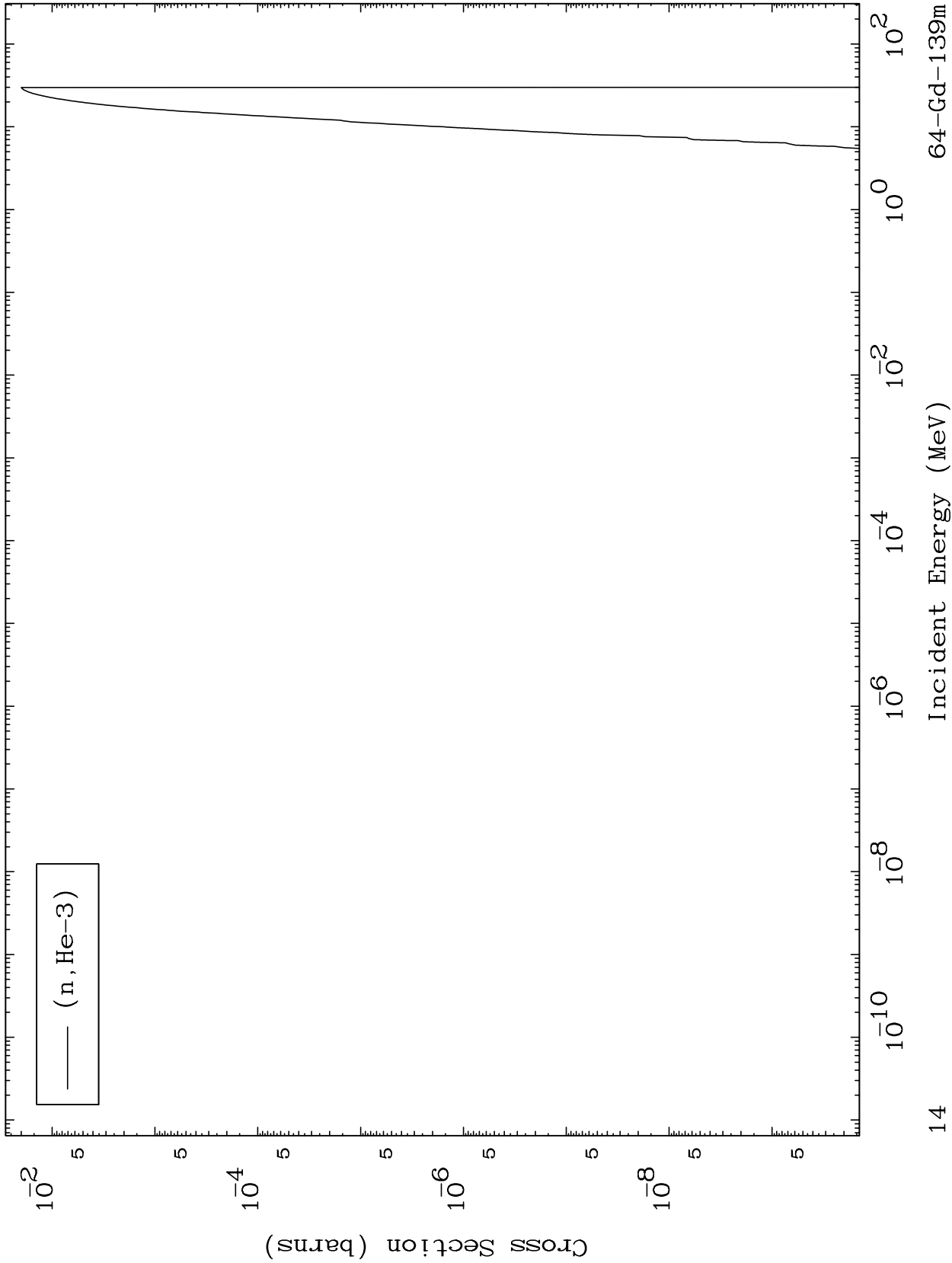
Incident Energy (MeV)

64-Gd-139m

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(n,He3) Levels  
293 Kelvin Cross Sections

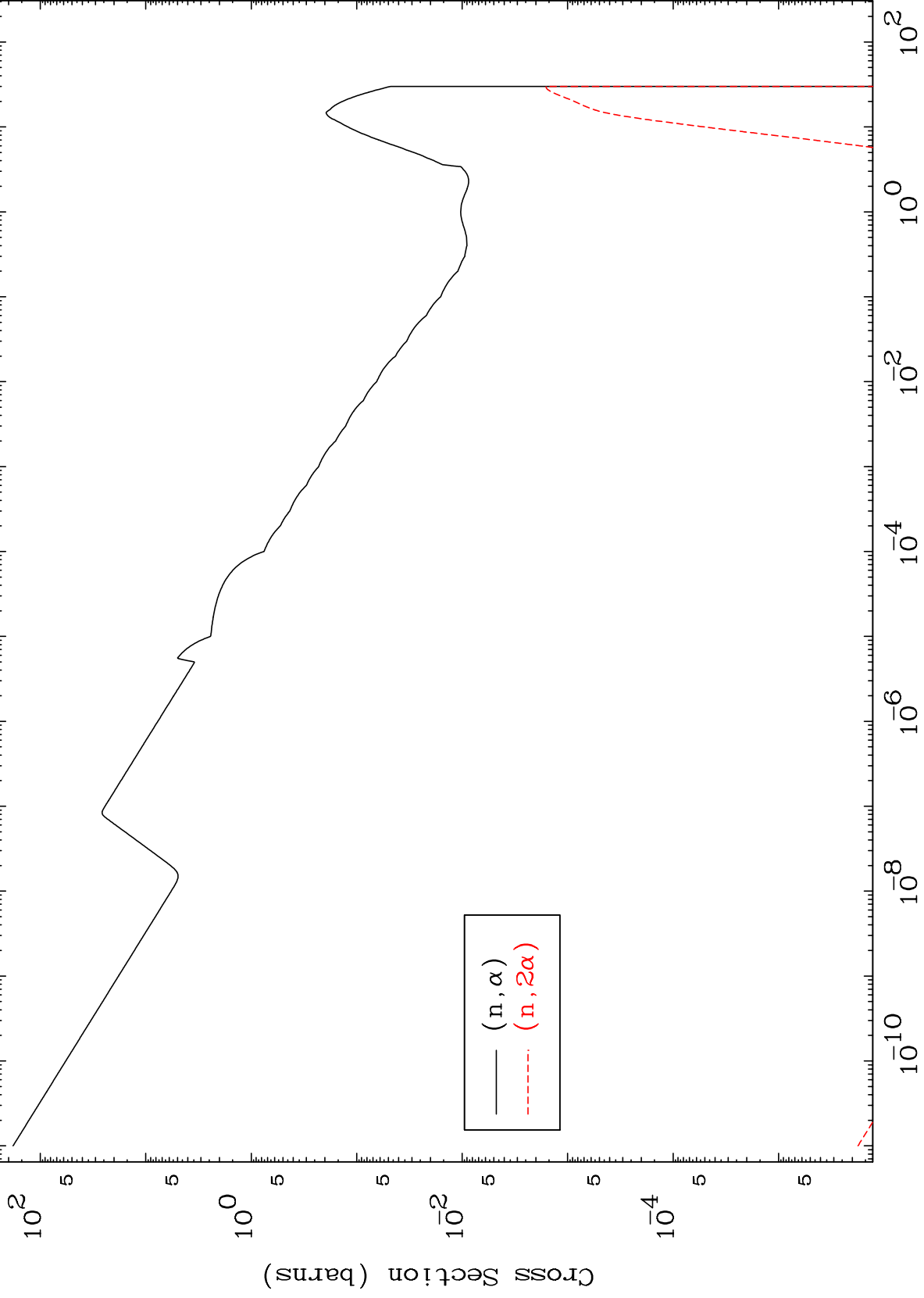
64-Gd-139m



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

64-Gd-139m



15

Incident Energy (MeV)

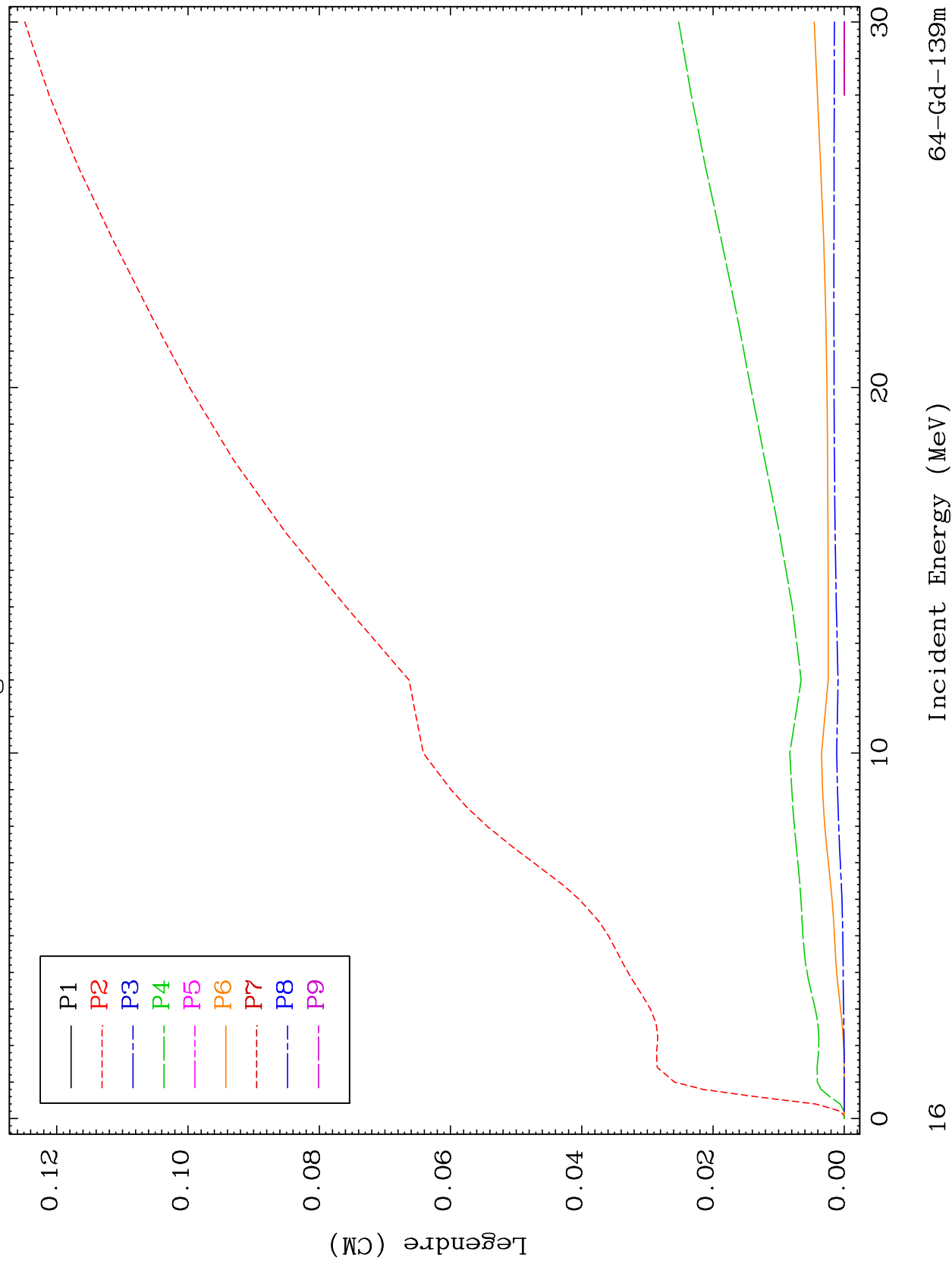
64-Gd-139m



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### Elastic Legendre Coefficients

64-Gd-139m



16

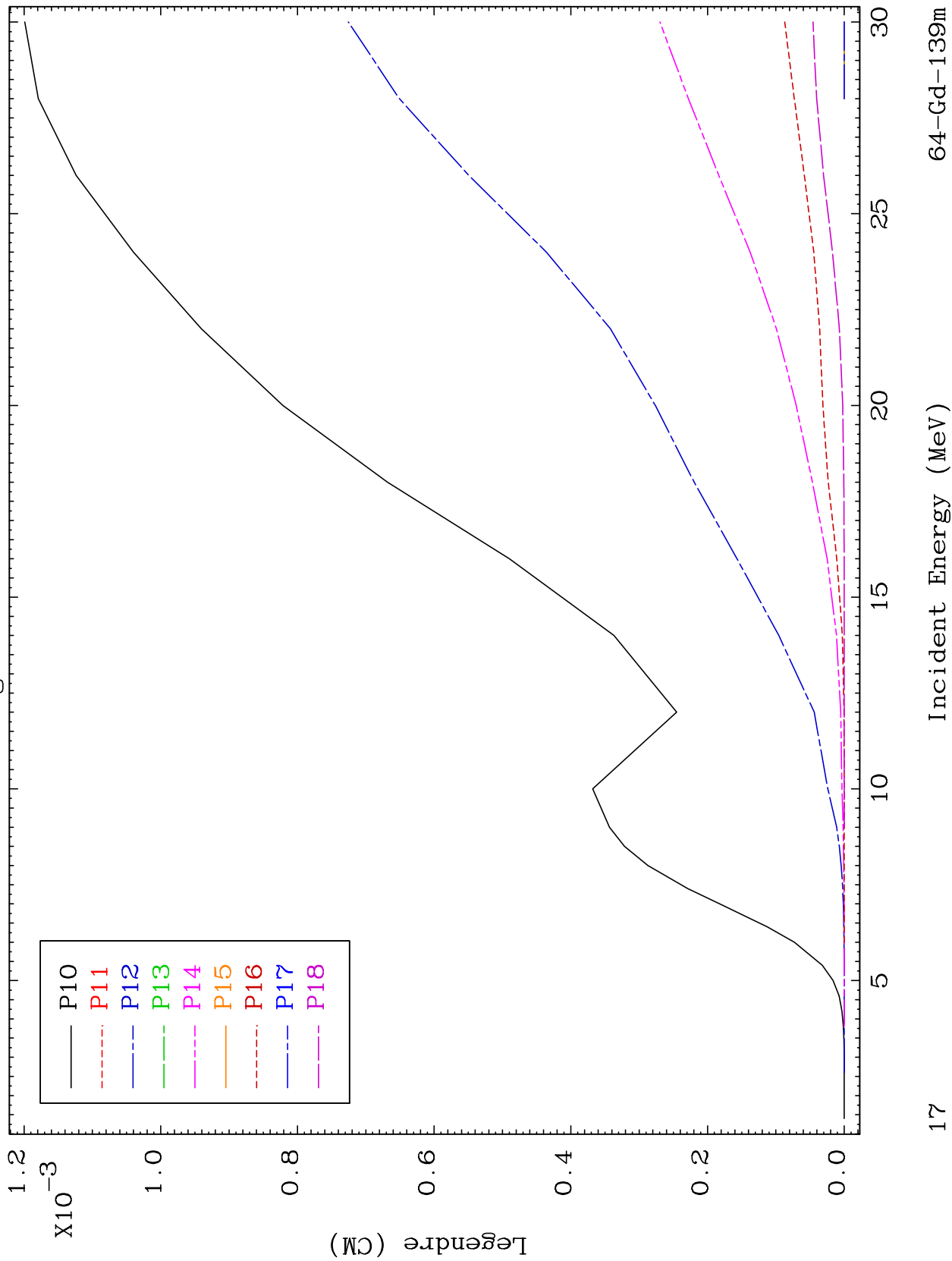
Incident Energy (MeV)

64-Gd-139m

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Elastic Legendre Coefficients

64-Gd-139m



17

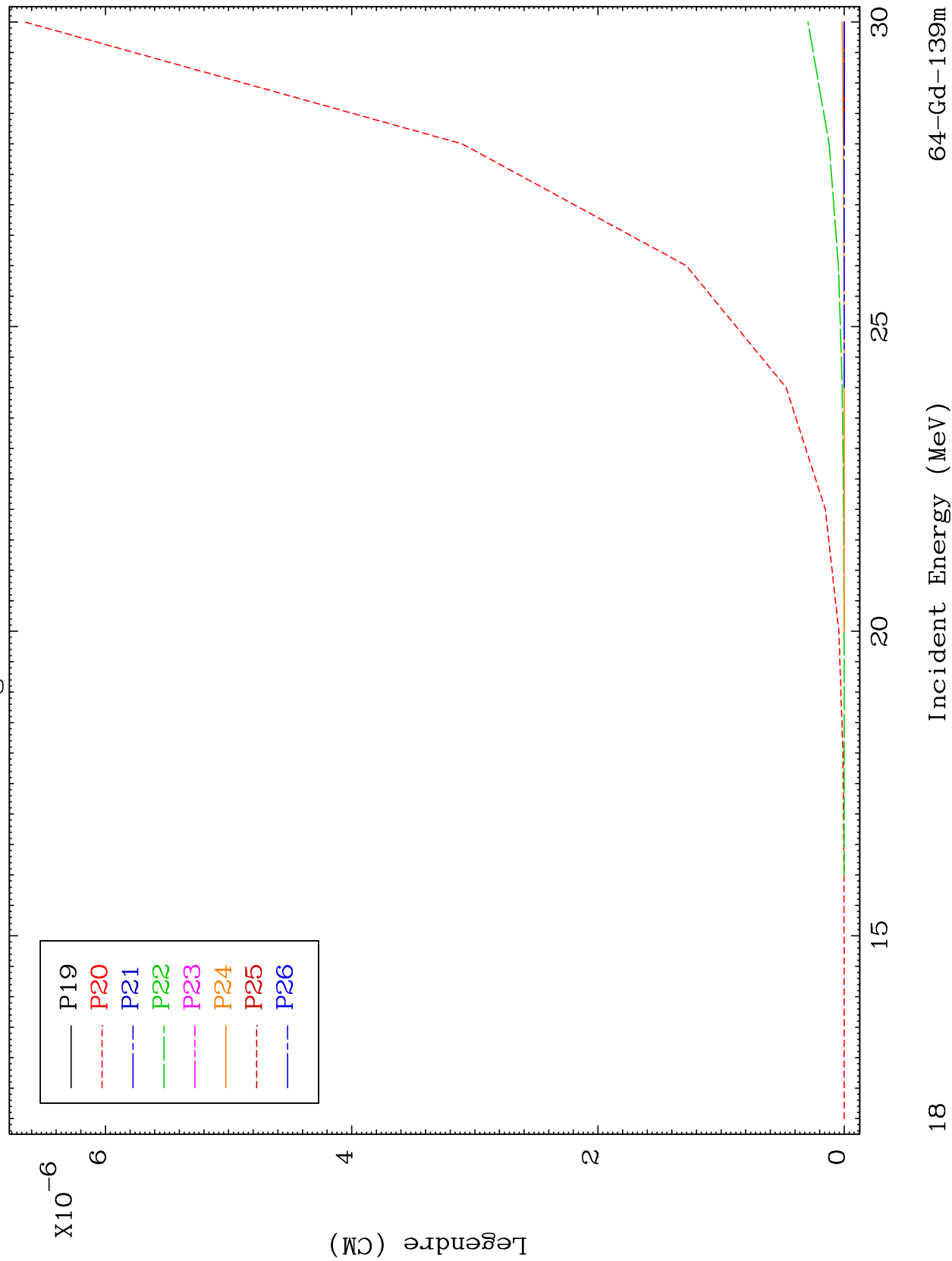
64-Gd-139m

Incident Energy (MeV)

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Elastic Legendre Coefficients

64-Gd-139m



18

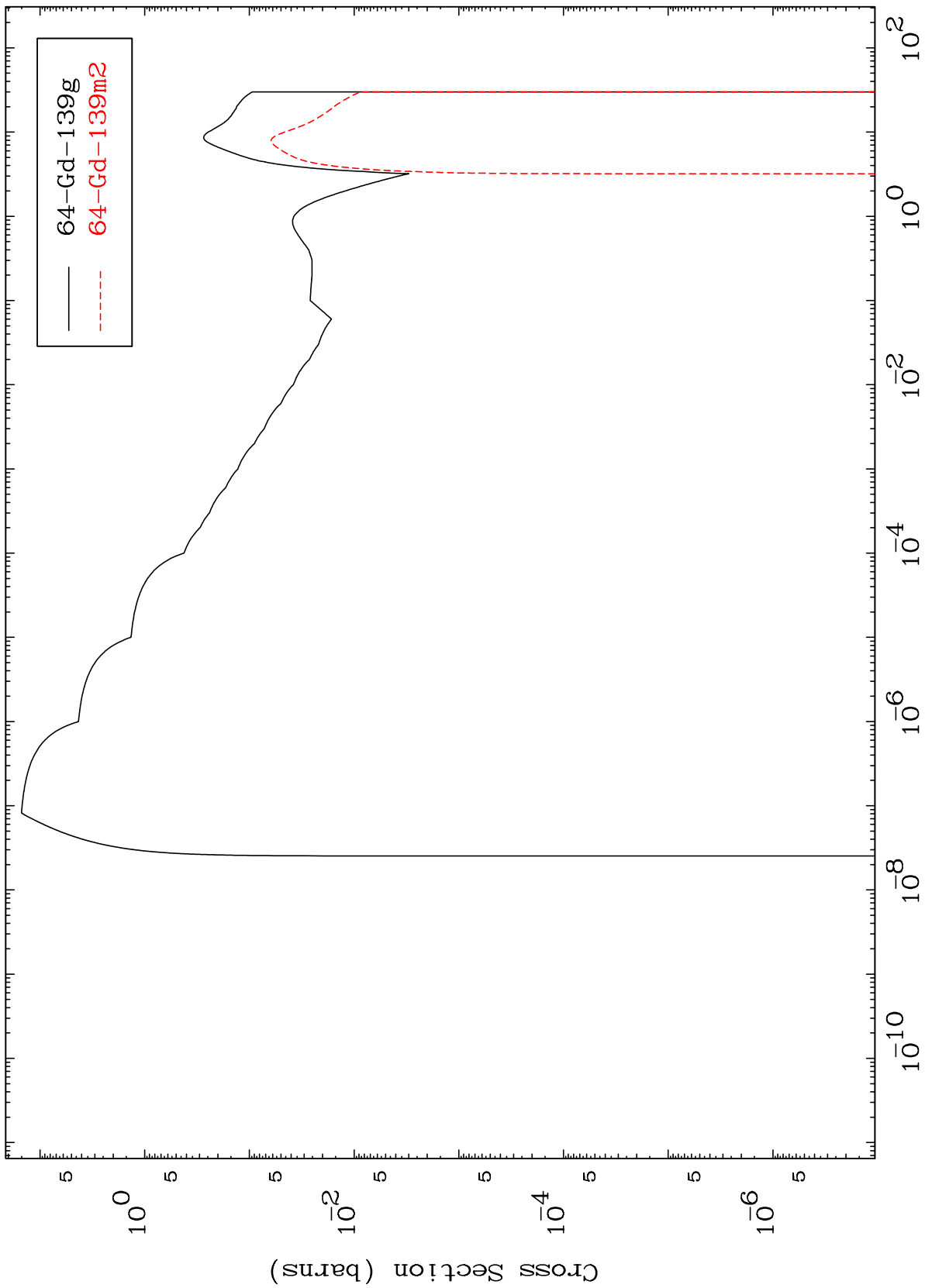
Incident Energy (MeV)

64-Gd-139m

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64-Gd-139m

Inelastic  
Radionuclide Production Cross Section

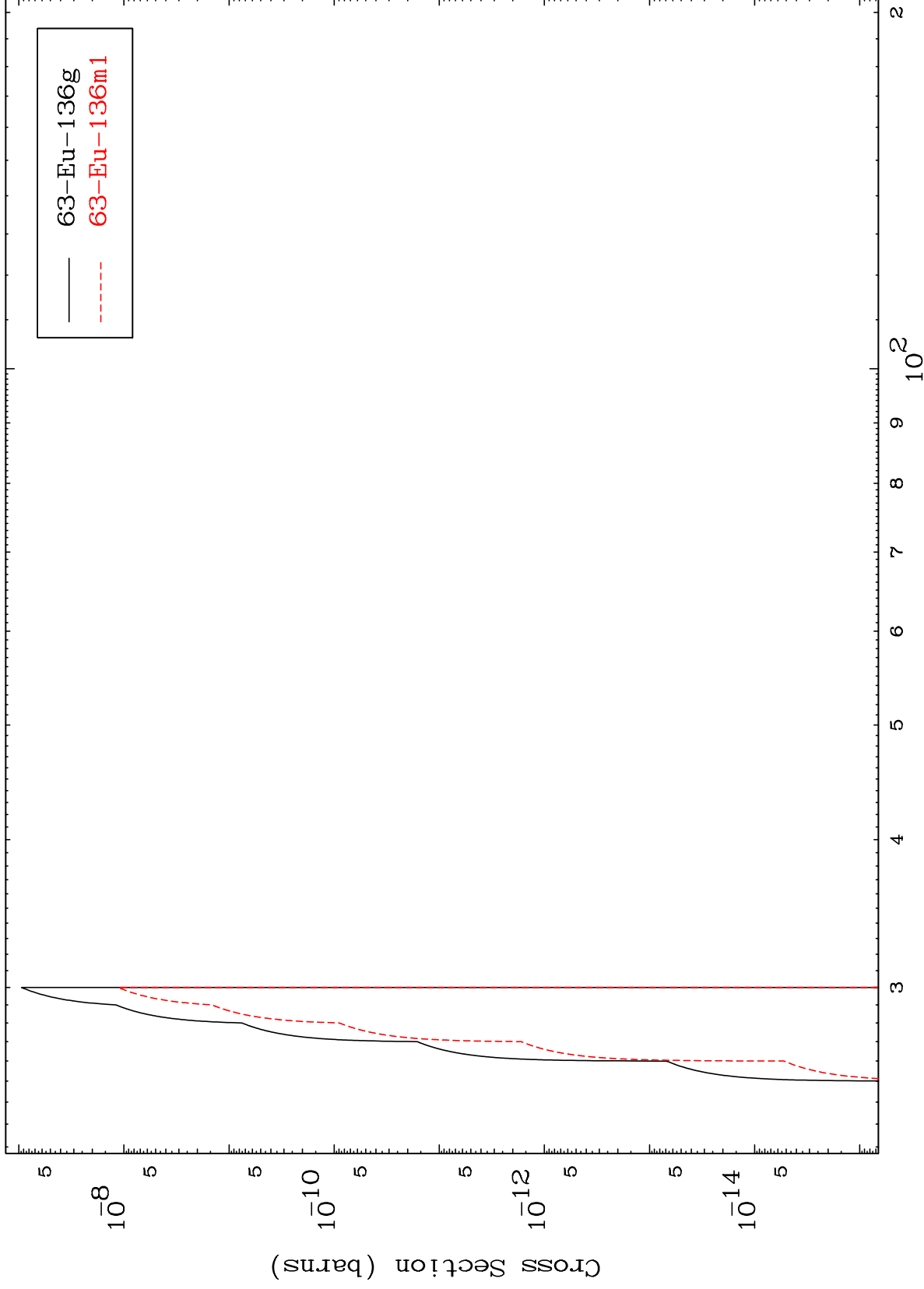


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(n,2n) d

64-Gd-139m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

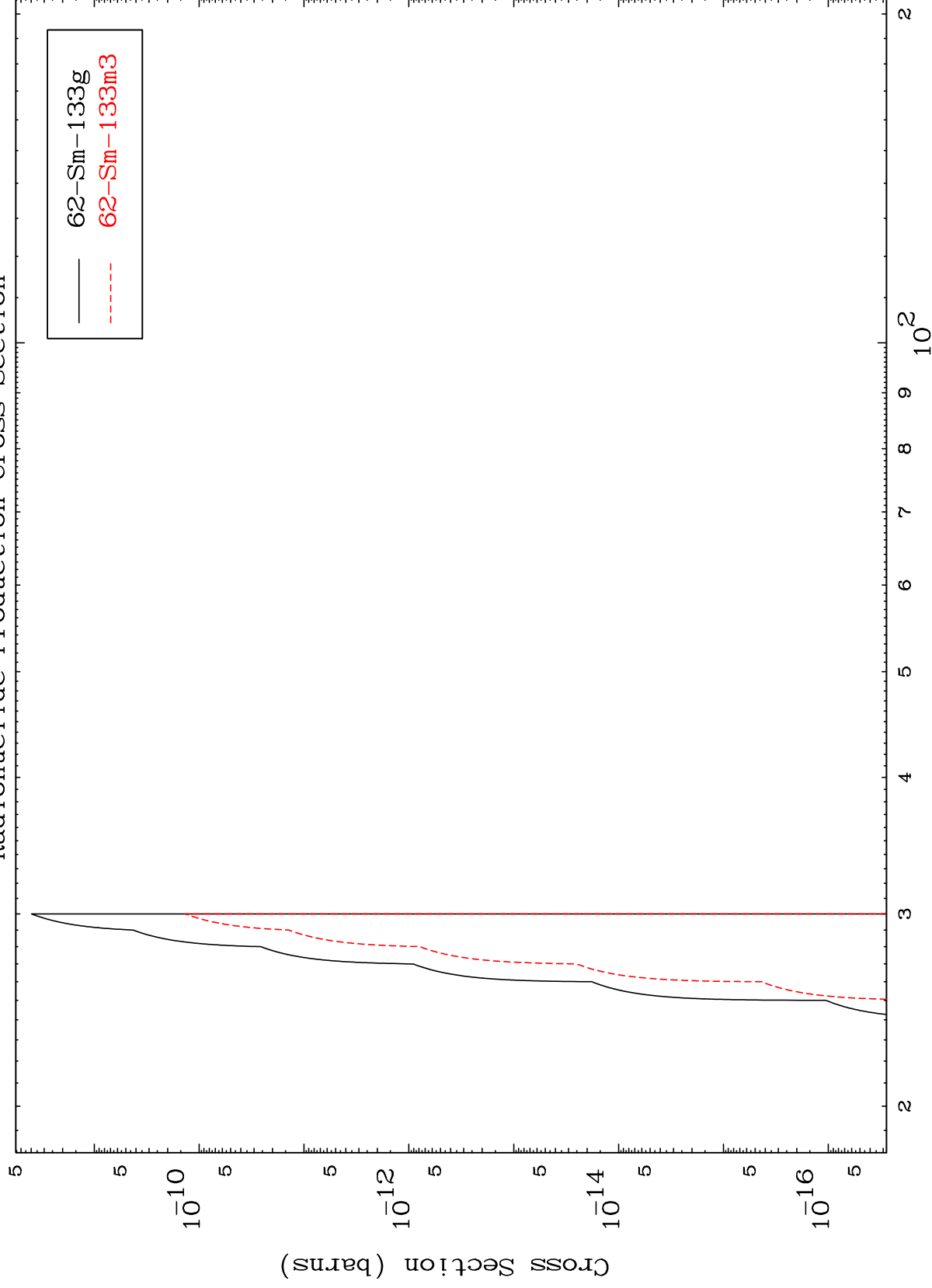
64-Gd-139m

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(n,3n)  $\alpha$

64-Gd-139m

Radionuclide Production Cross Section



21

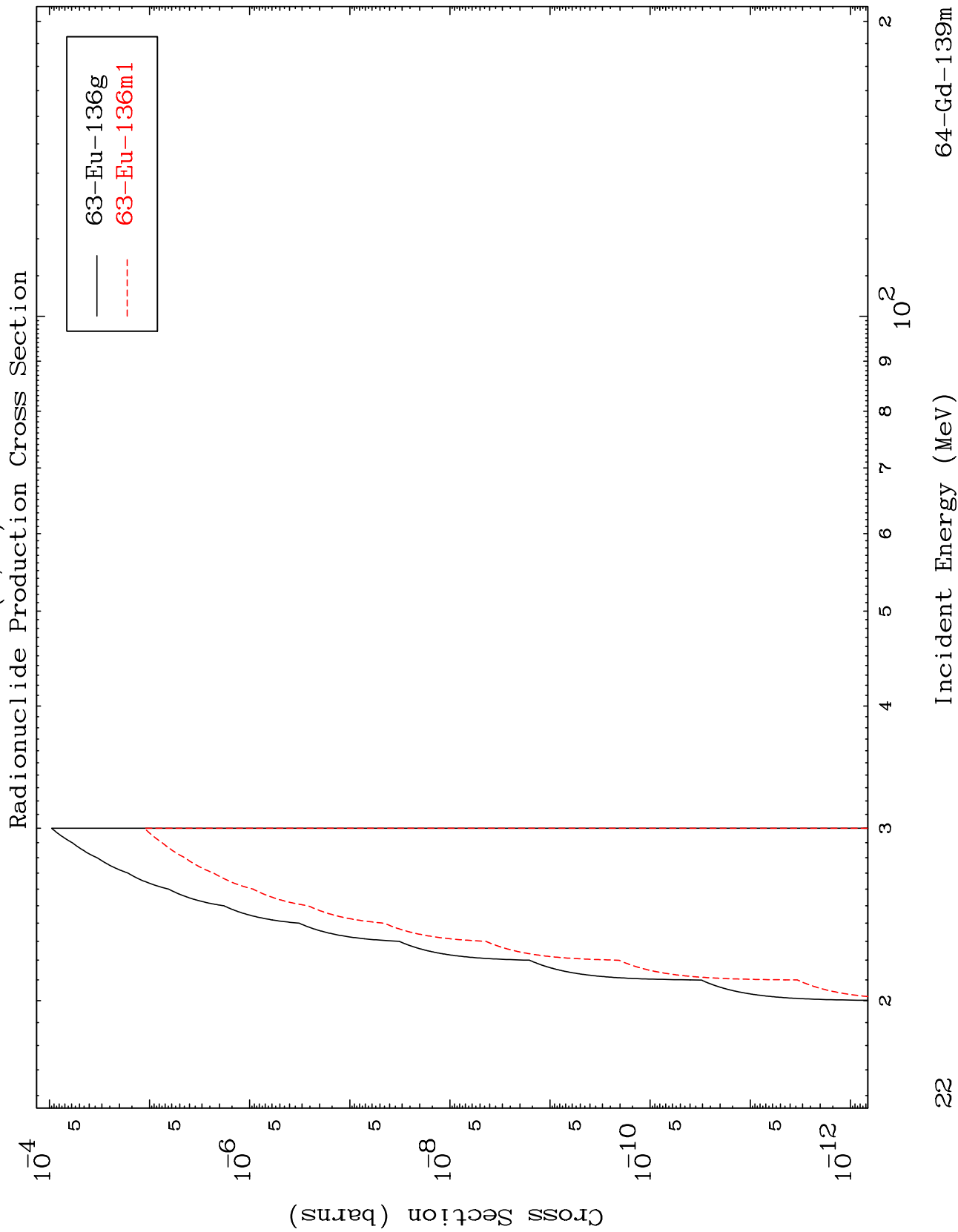
Incident Energy (MeV)

64-Gd-139m

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(n,n') t

64-Gd-139m



22

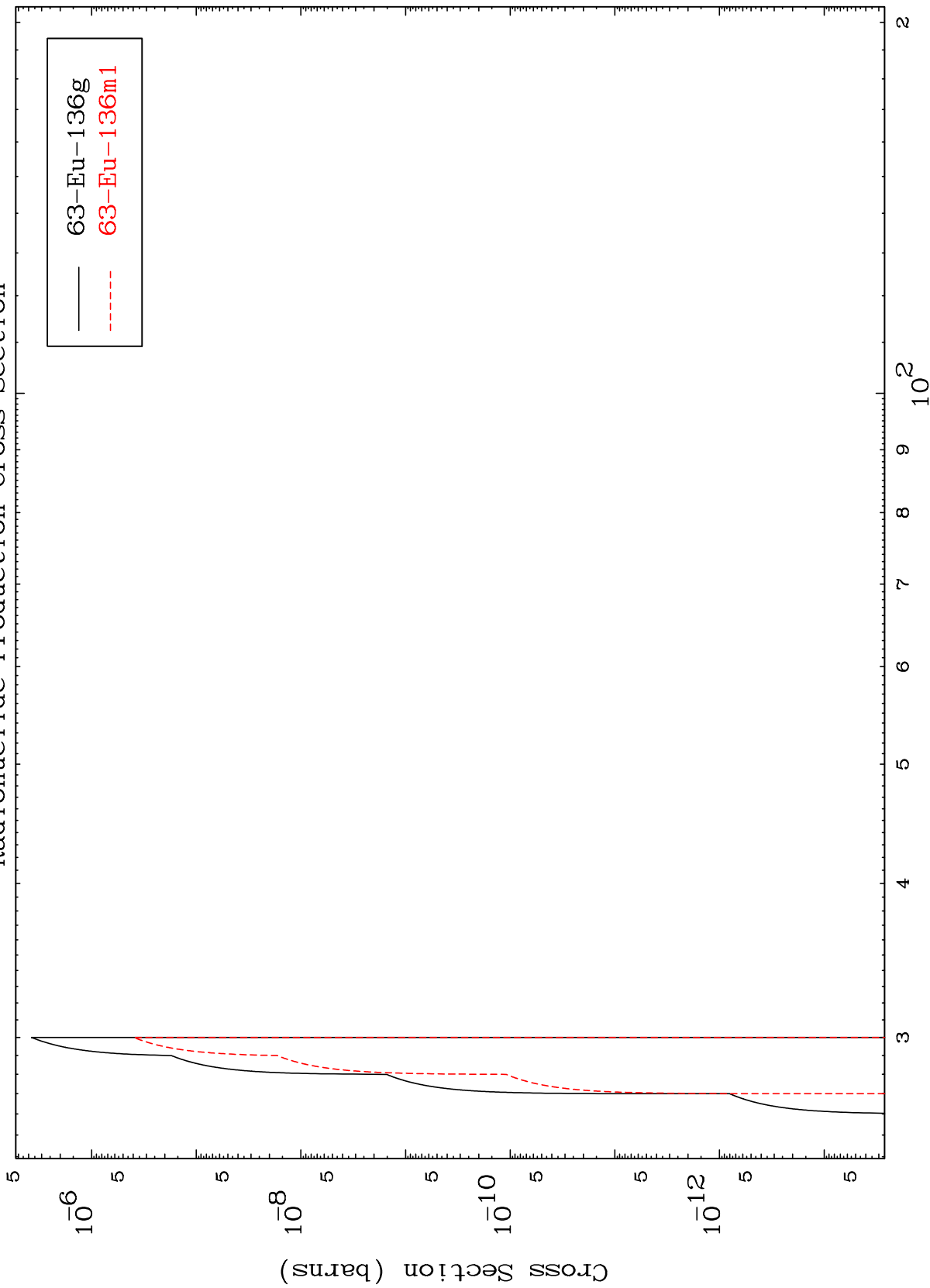
64-Gd-139m

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(n,3n) p

64-Gd-139m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

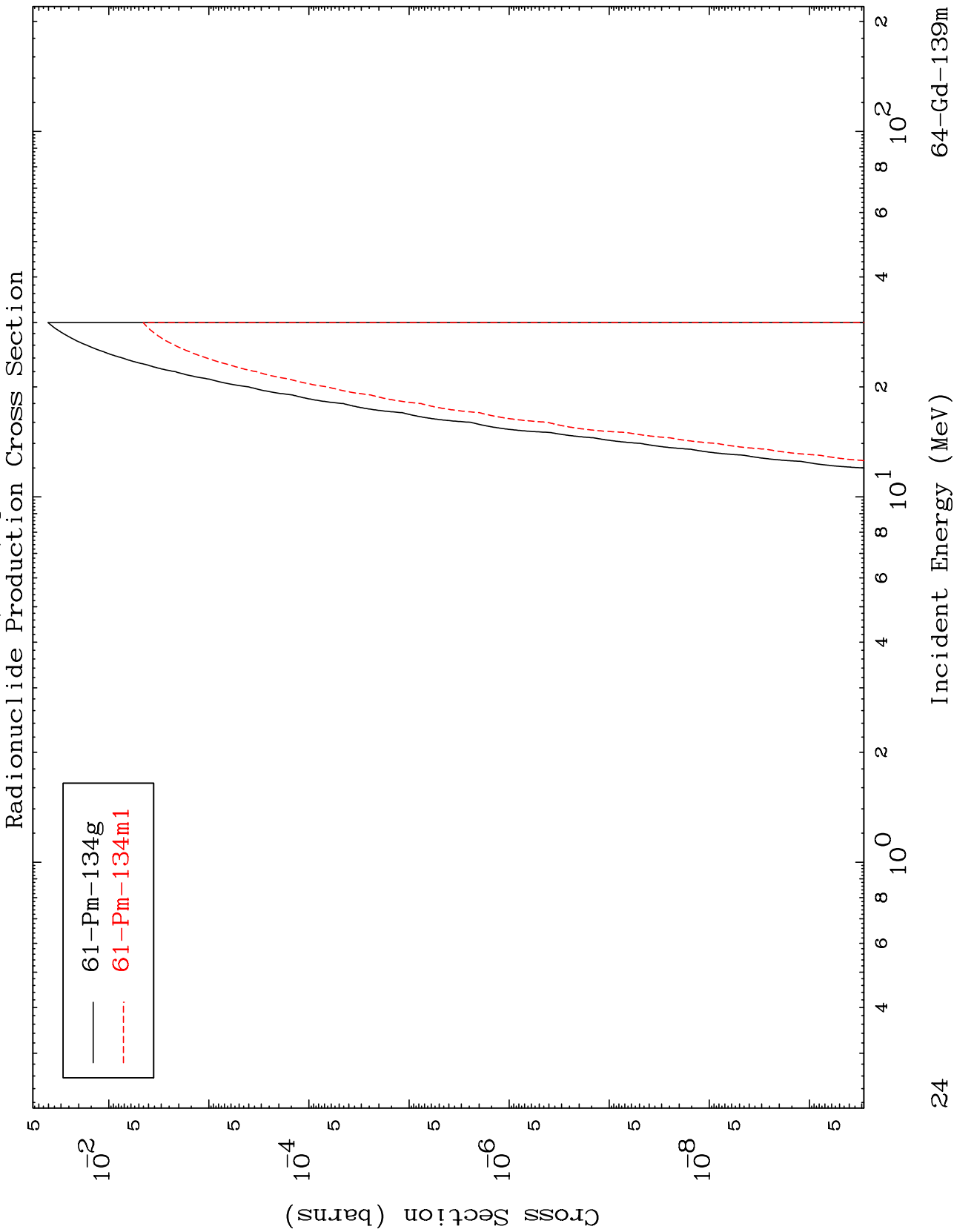
64-Gd-139m



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(n,n') p  $\alpha$

64-Gd-139m

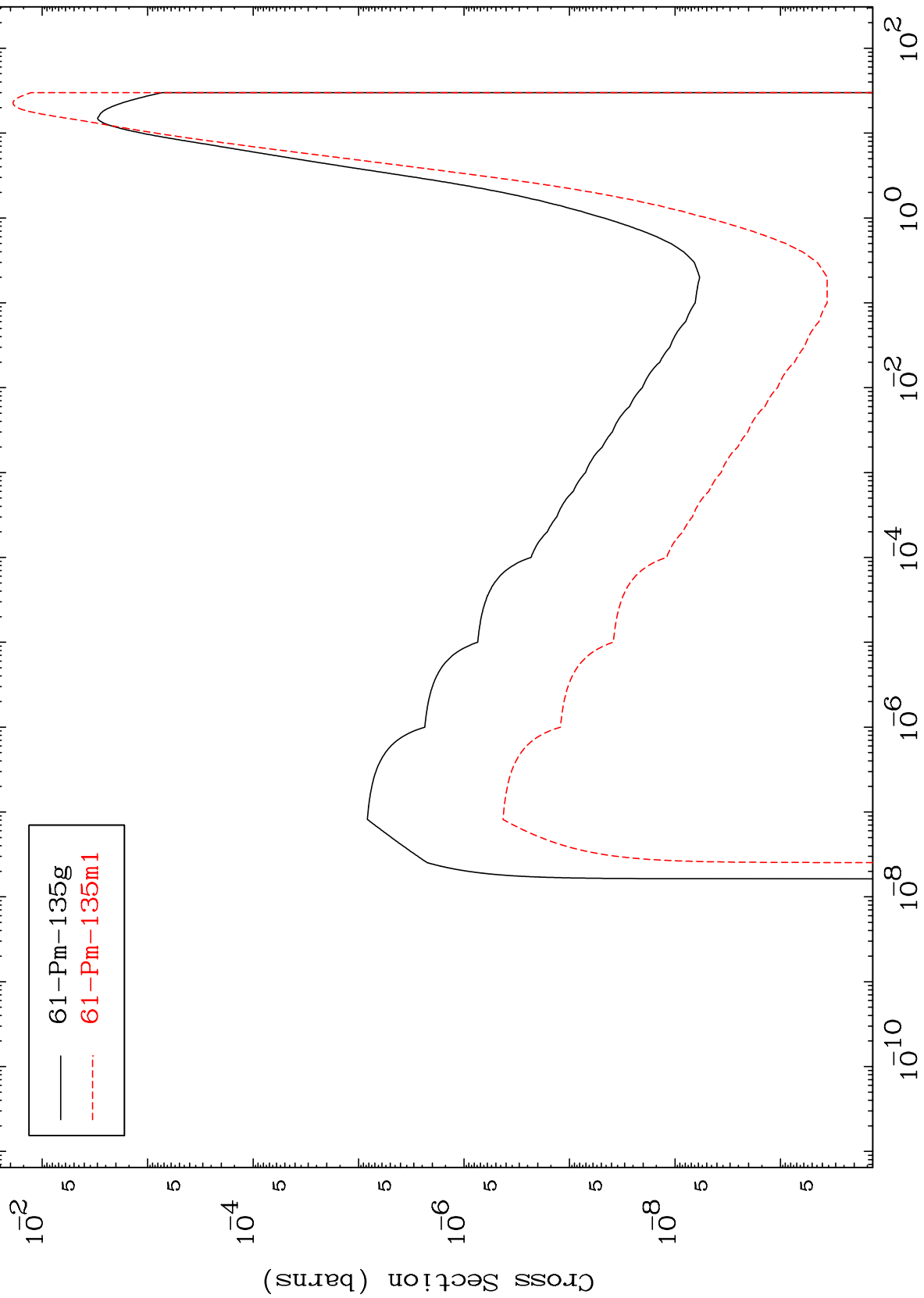


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(n,p)  $\alpha$

64-Gd-139m

Radionuclide Production Cross Section



61-Pm-135g  
61-Pm-135m1

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(n,d)  $\alpha$

64-Gd-139m

Radionuclide Production Cross Section

