

Program EVALPLOT
(Version 2015-2)

by

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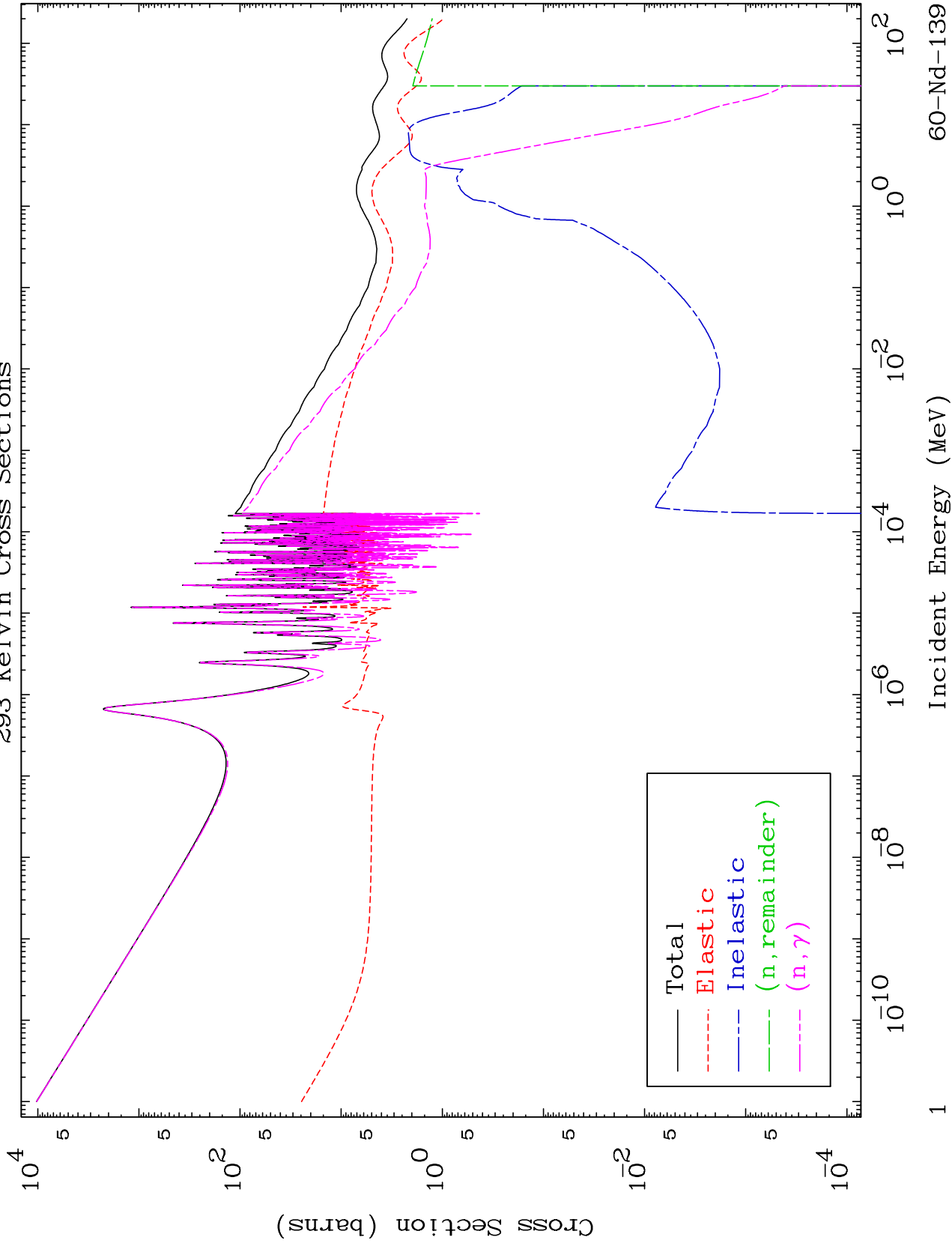
Press Mouse Button to Start

MAT 6017

Major

293 Kelvin Cross Sections

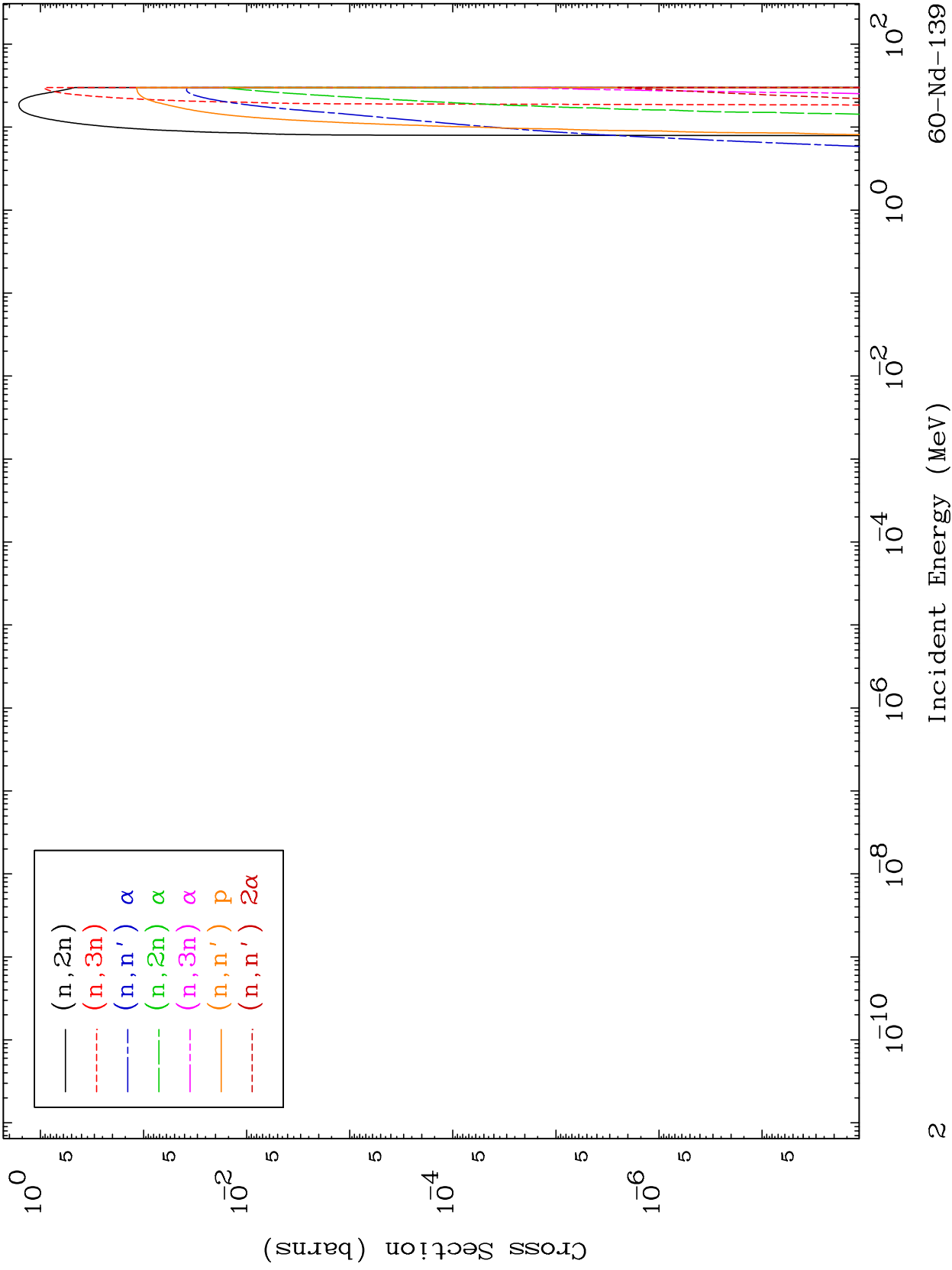
60-Nd-139

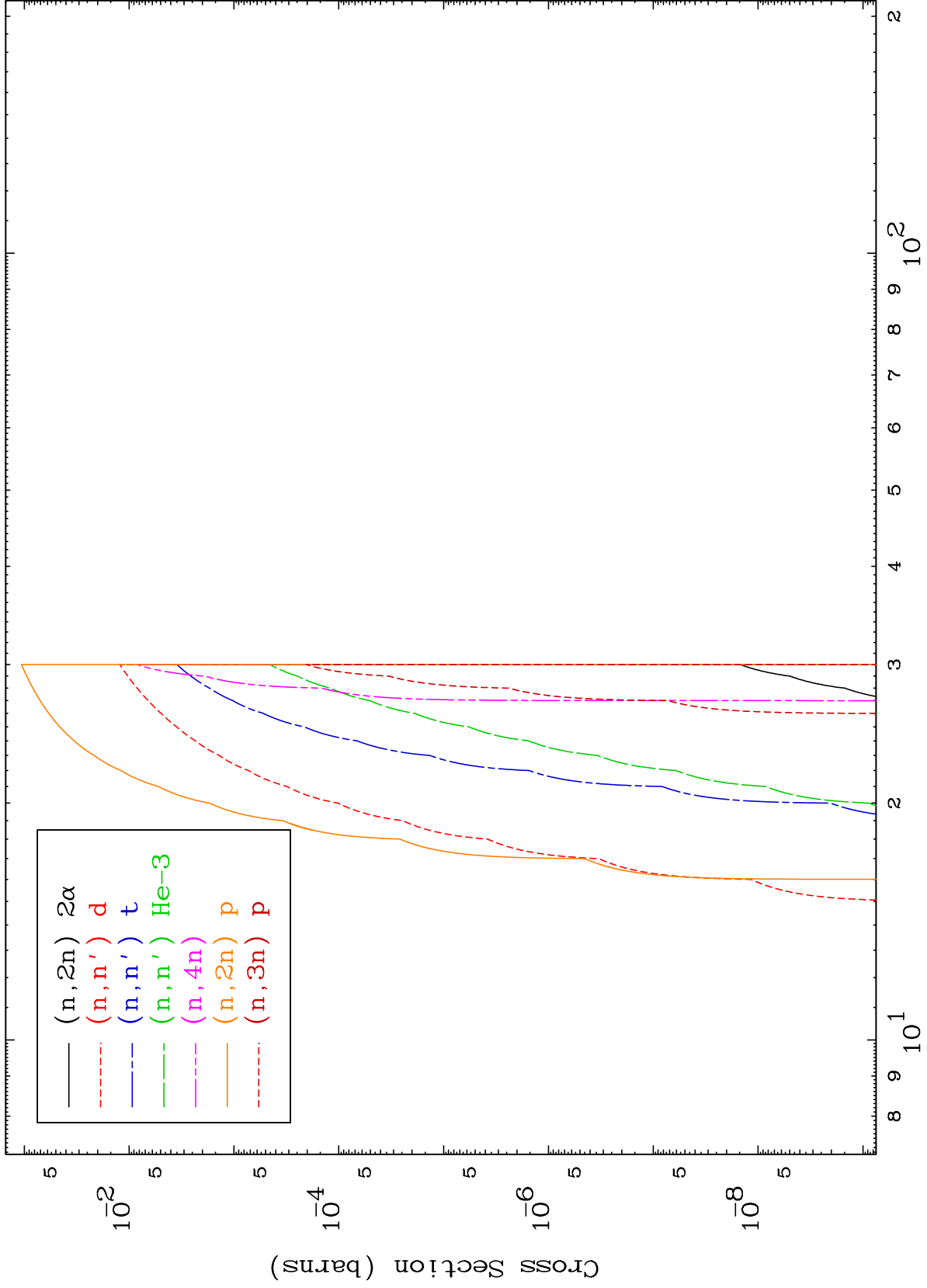


MAT 6017

Neutron Production
293 Kelvin Cross Sections

60-Nd-139

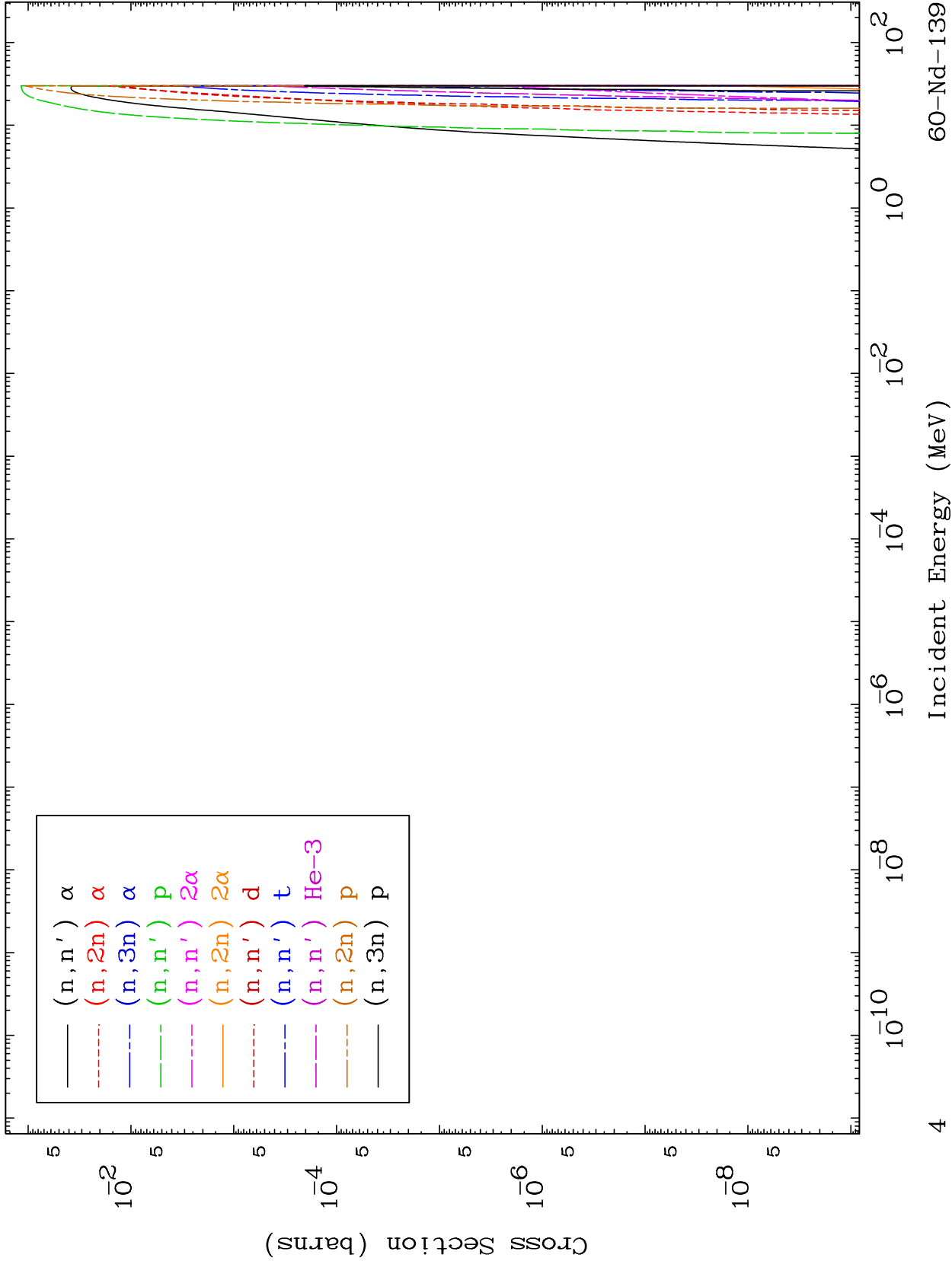


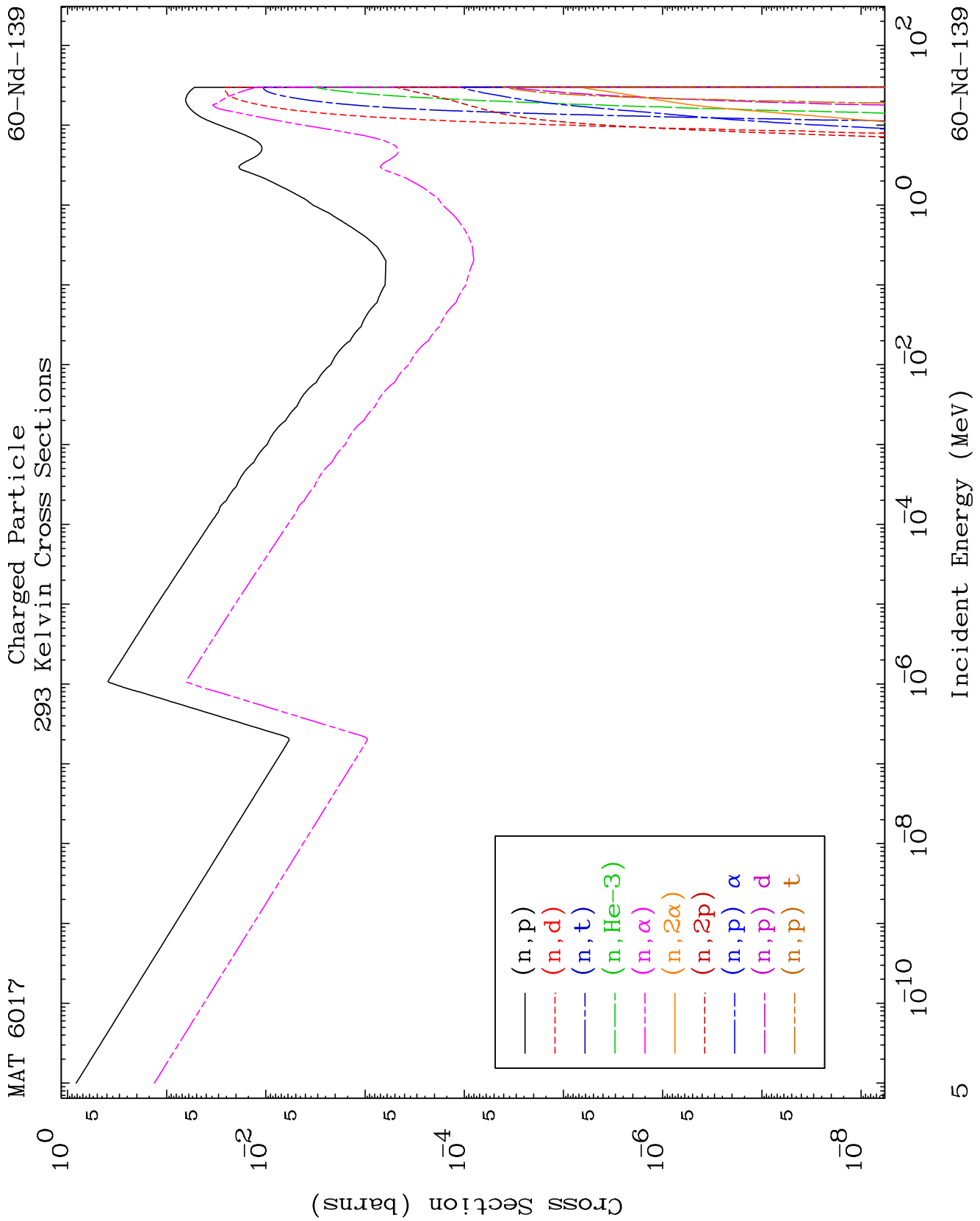


MAT 6017

Charged Particle
293 Kelvin Cross Sections

60-Nd-139

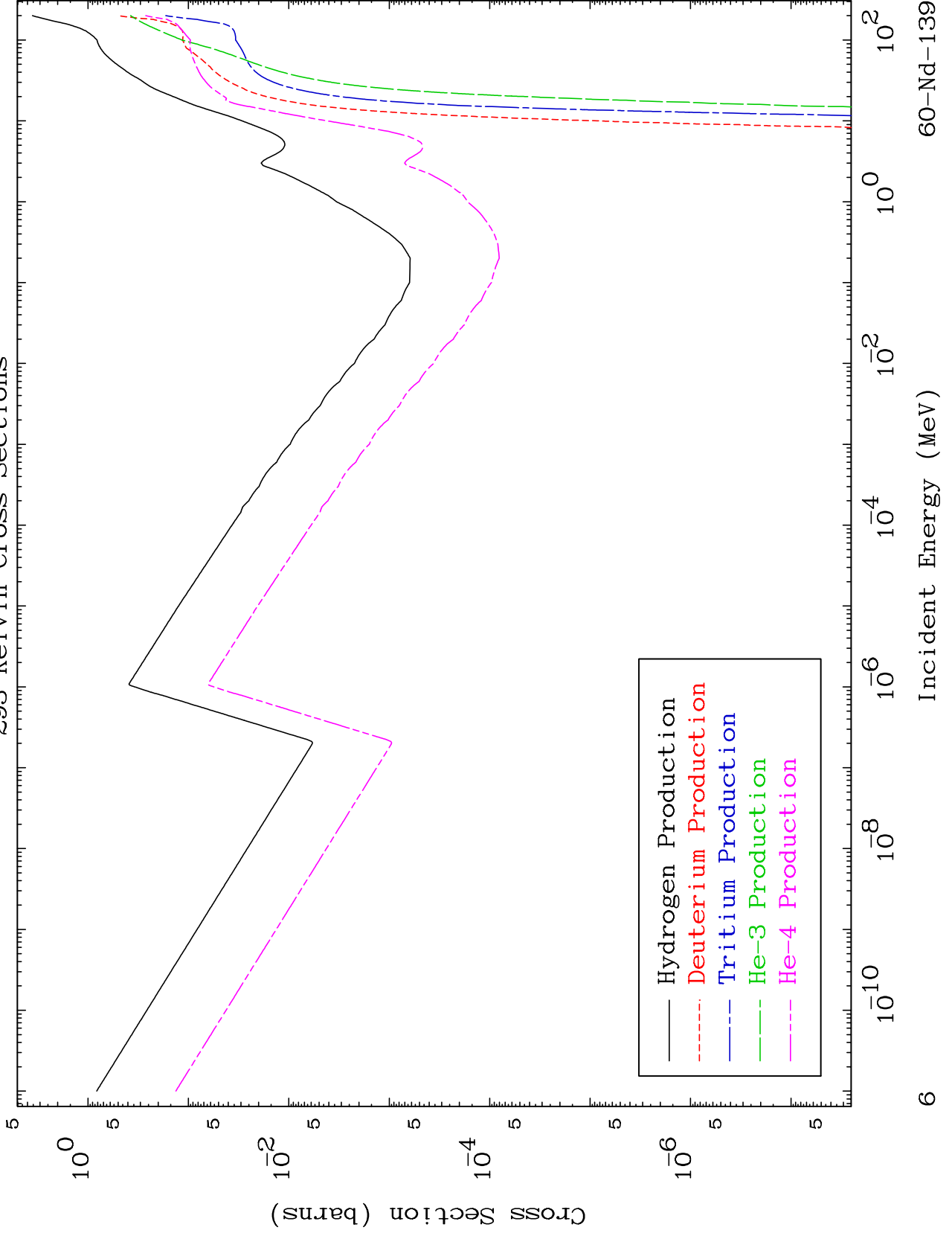




MAT 6017

Particle Production
293 Kelvin Cross Sections

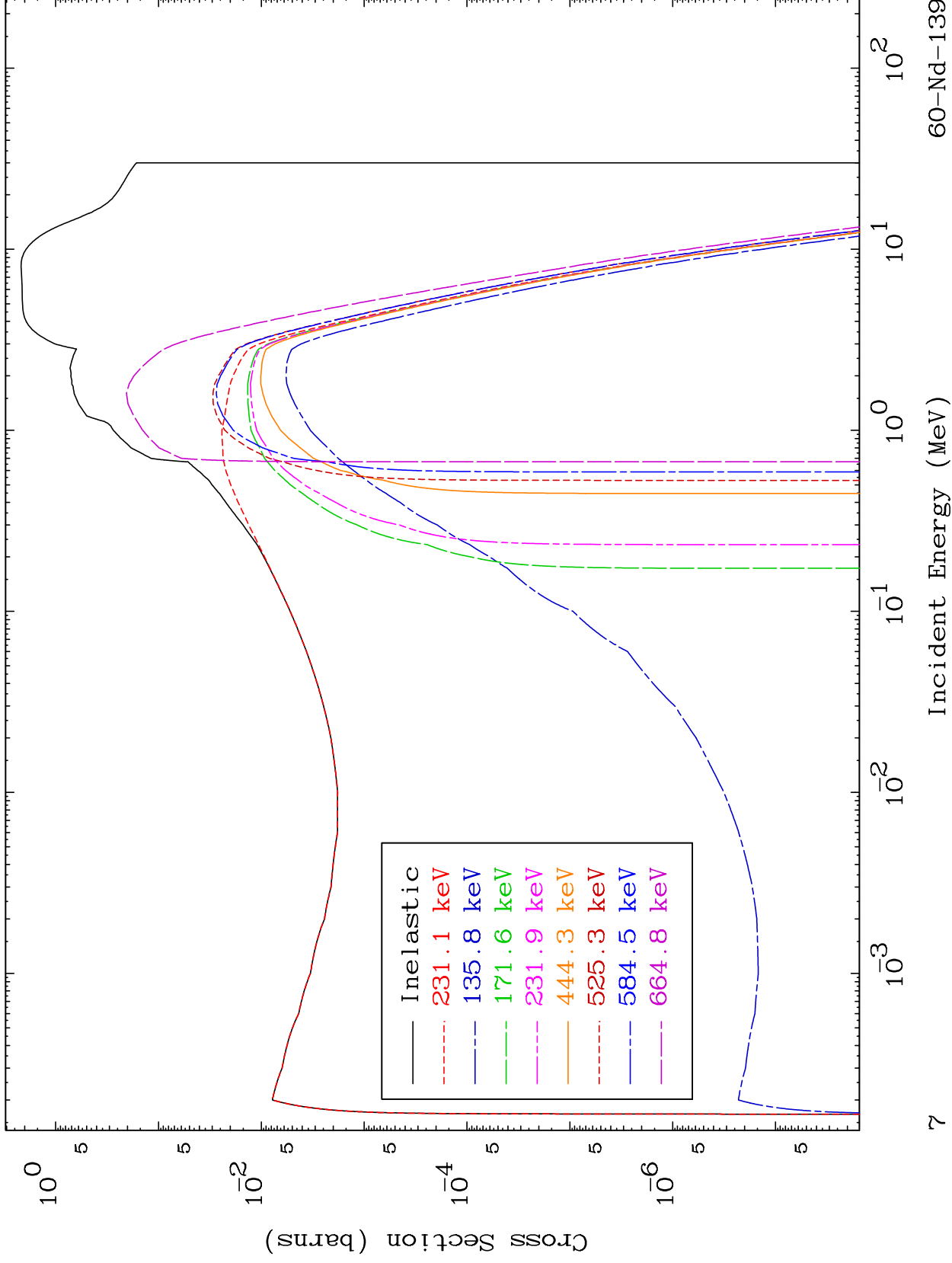
60-Nd-139



MAT 6017

(n,n') Level
293 Kelvin Cross Sections

60-Nd-139

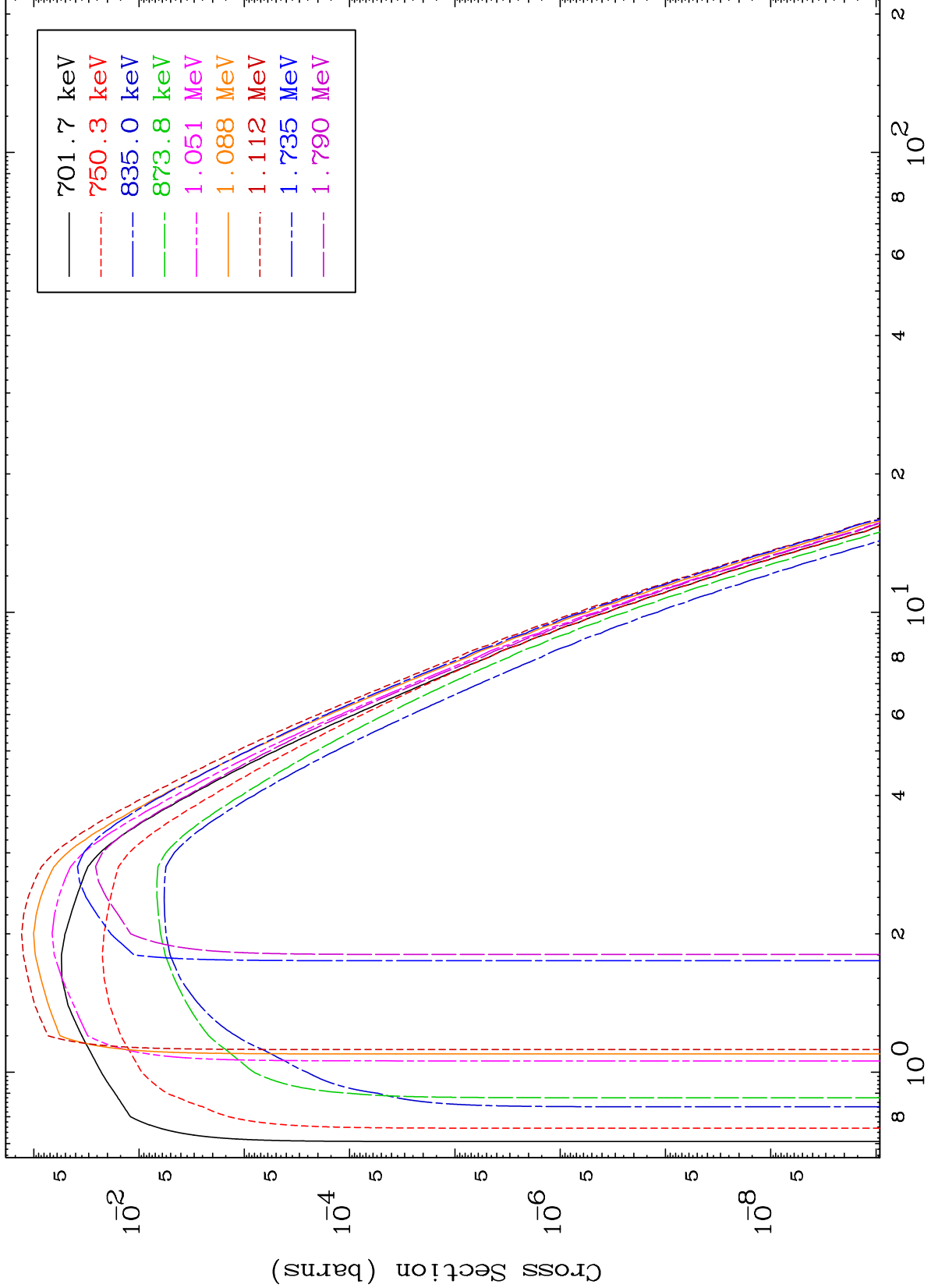


MAT 6017

(n,n') Level

60-Nd-139

293 Kelvin Cross Sections



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Incident Energy (MeV)

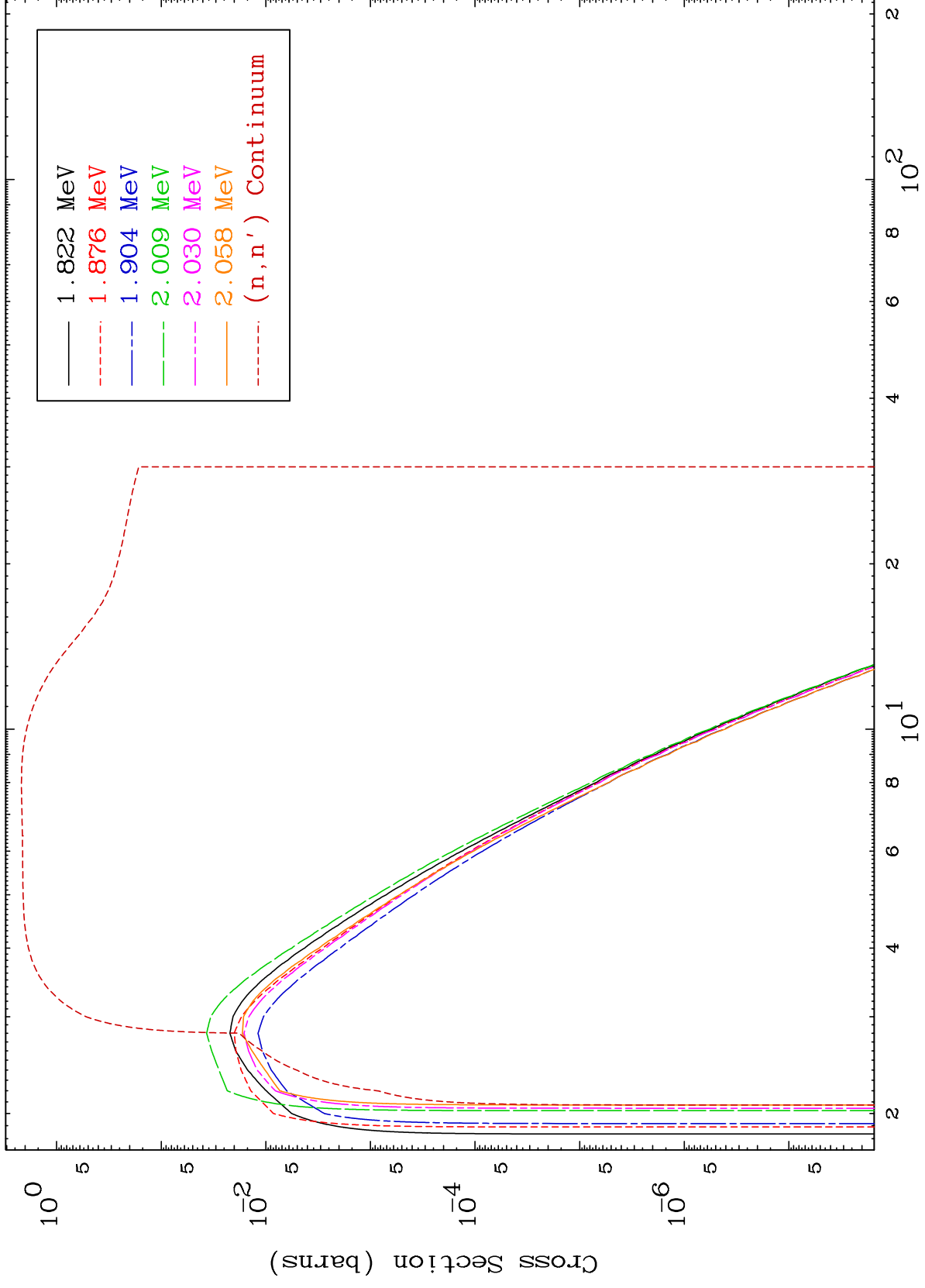
60-Nd-139

MAT 6017

(n,n') Level

60-Nd-139

293 Kelvin Cross Sections



9

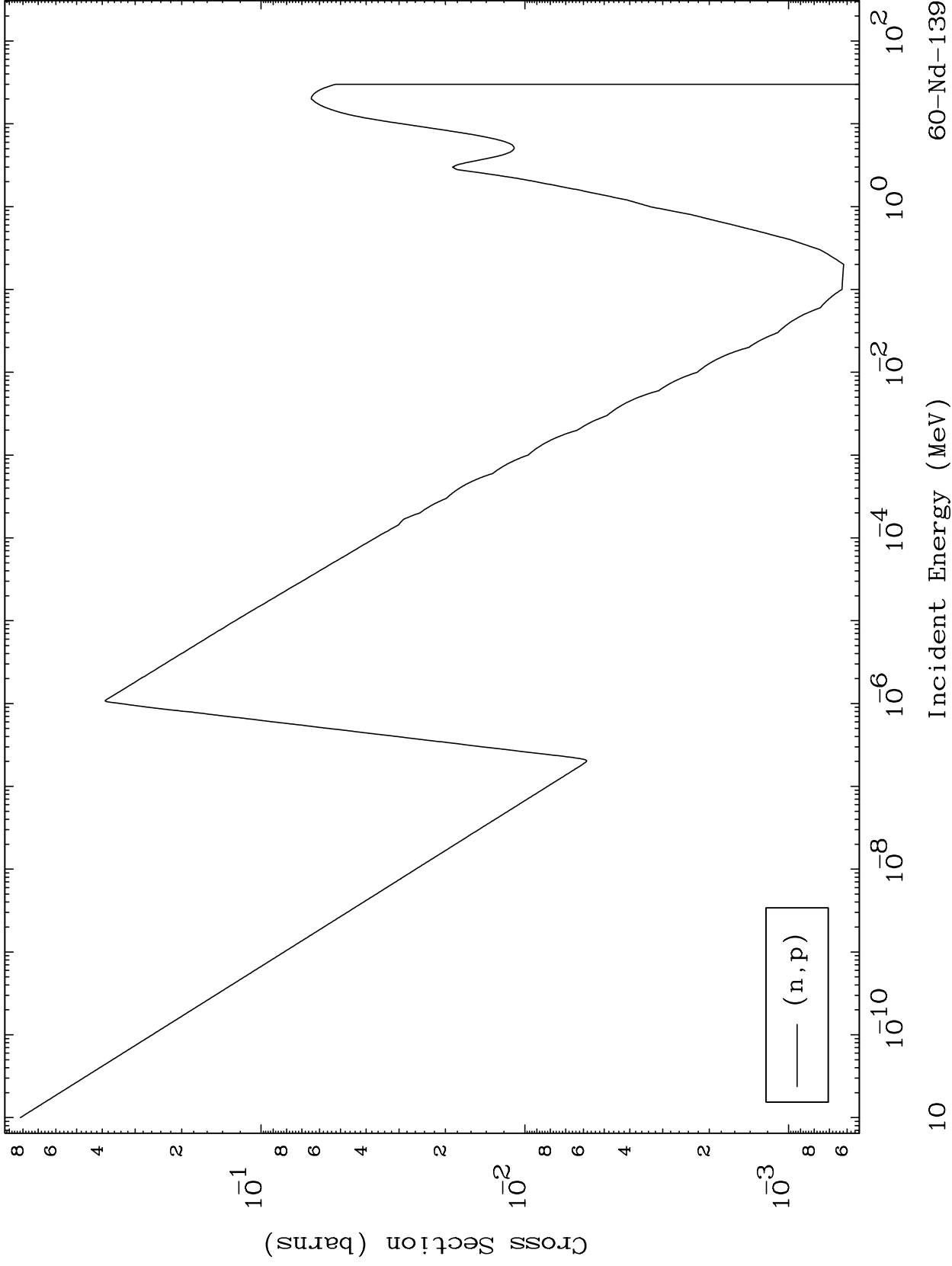
Incident Energy (MeV)

60-Nd-139

MAT 6017

(n,p) Levels
293 Kelvin Cross Sections

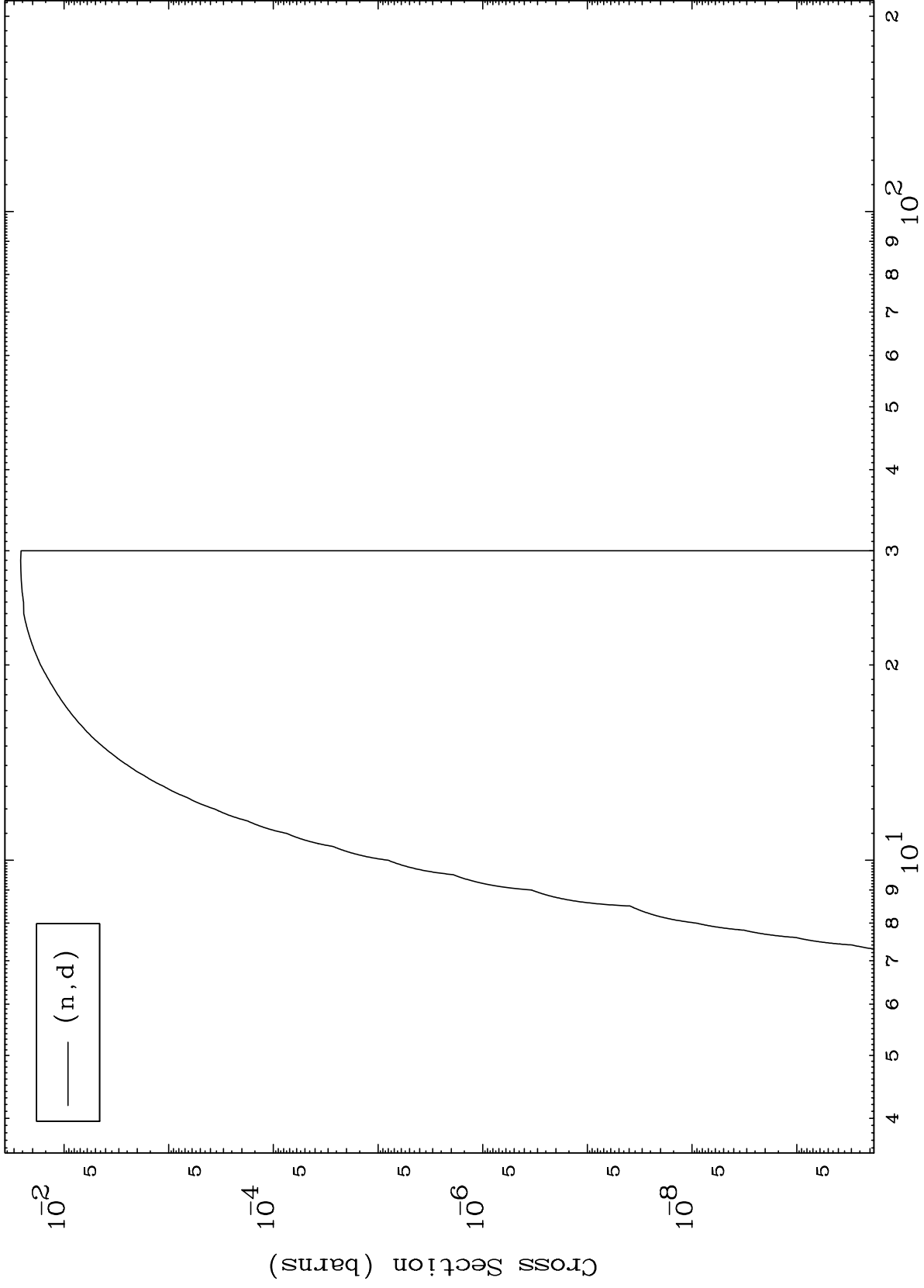
60-Nd-139



MAT 6017

(n,d) Levels
293 Kelvin Cross Sections

60-Nd-139



11

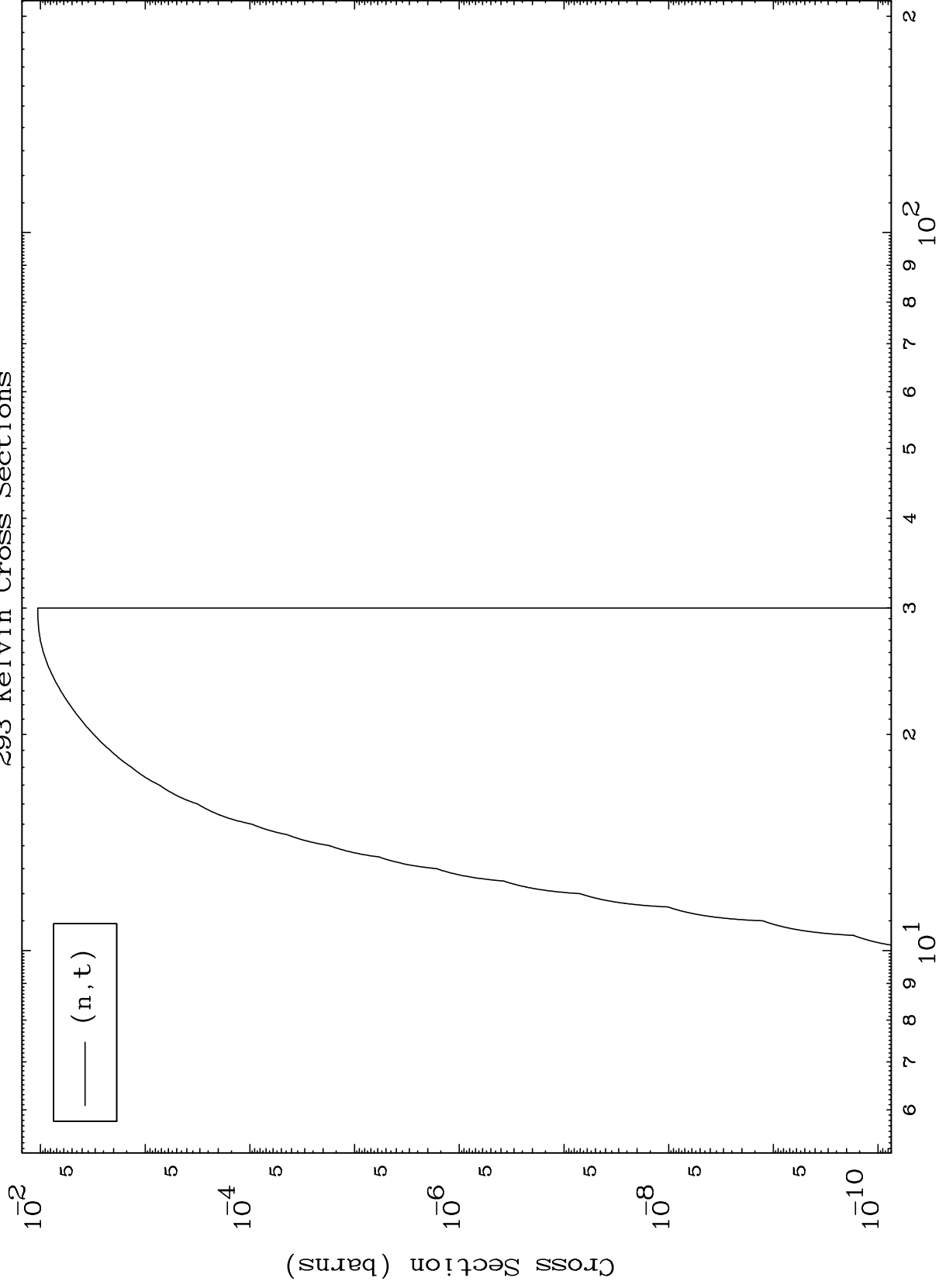
Incident Energy (MeV)

60-Nd-139

MAT 6017

(n,t) Levels
293 Kelvin Cross Sections

60-Nd-139



12

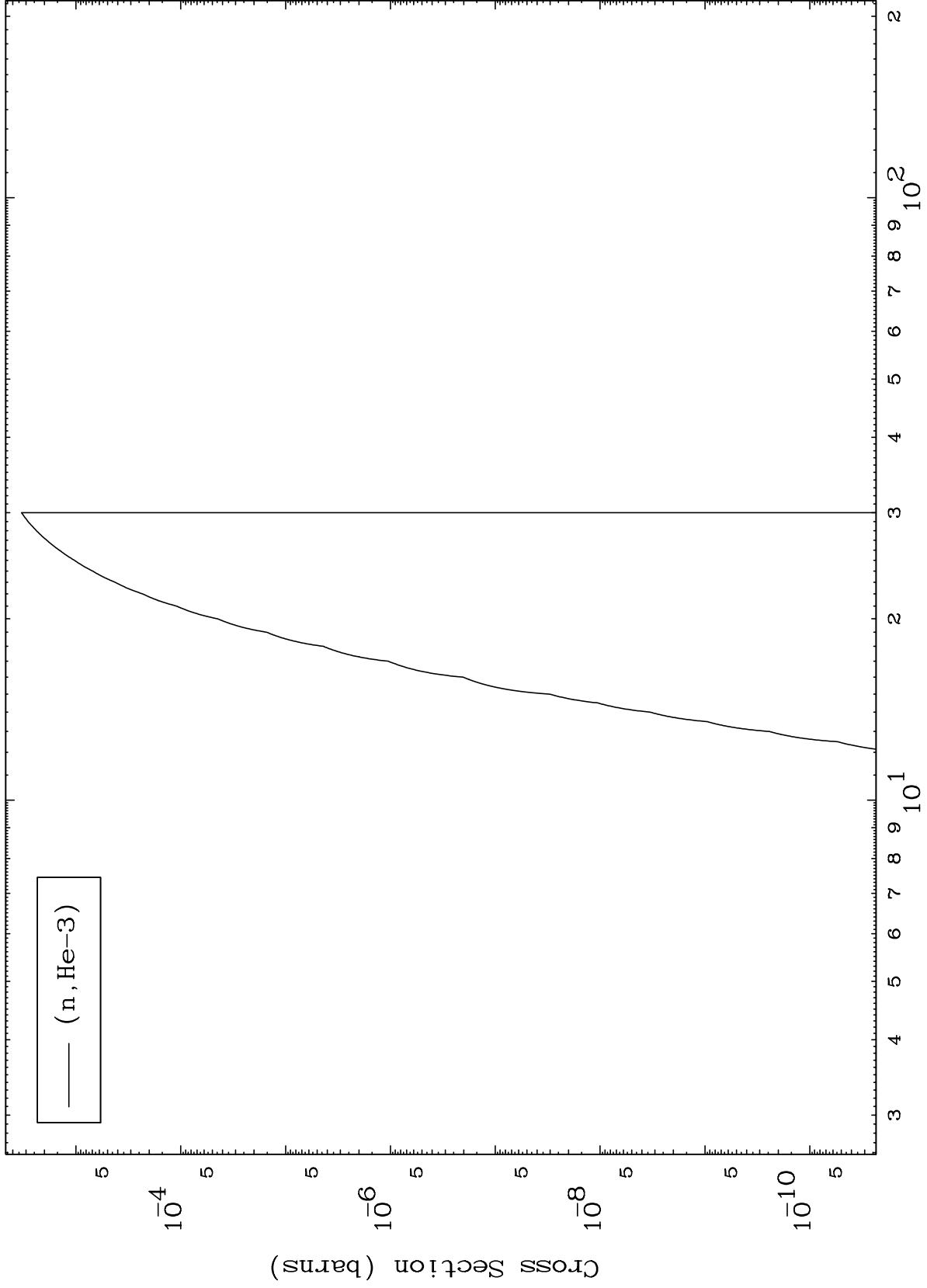
Incident Energy (MeV)

60-Nd-139

MAT 6017

(n,He3) Levels
293 Kelvin Cross Sections

60-Nd-139



13

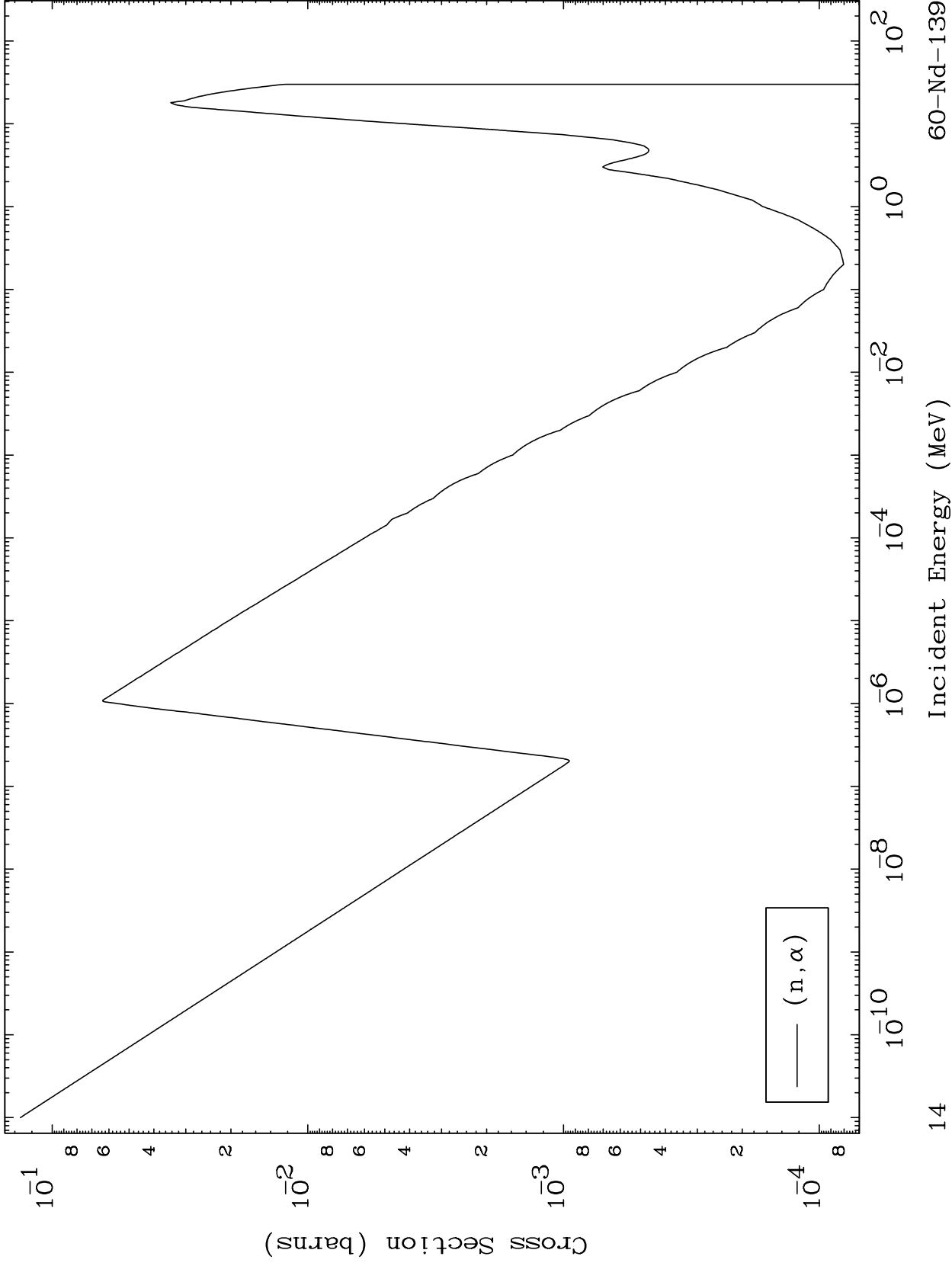
Incident Energy (MeV)

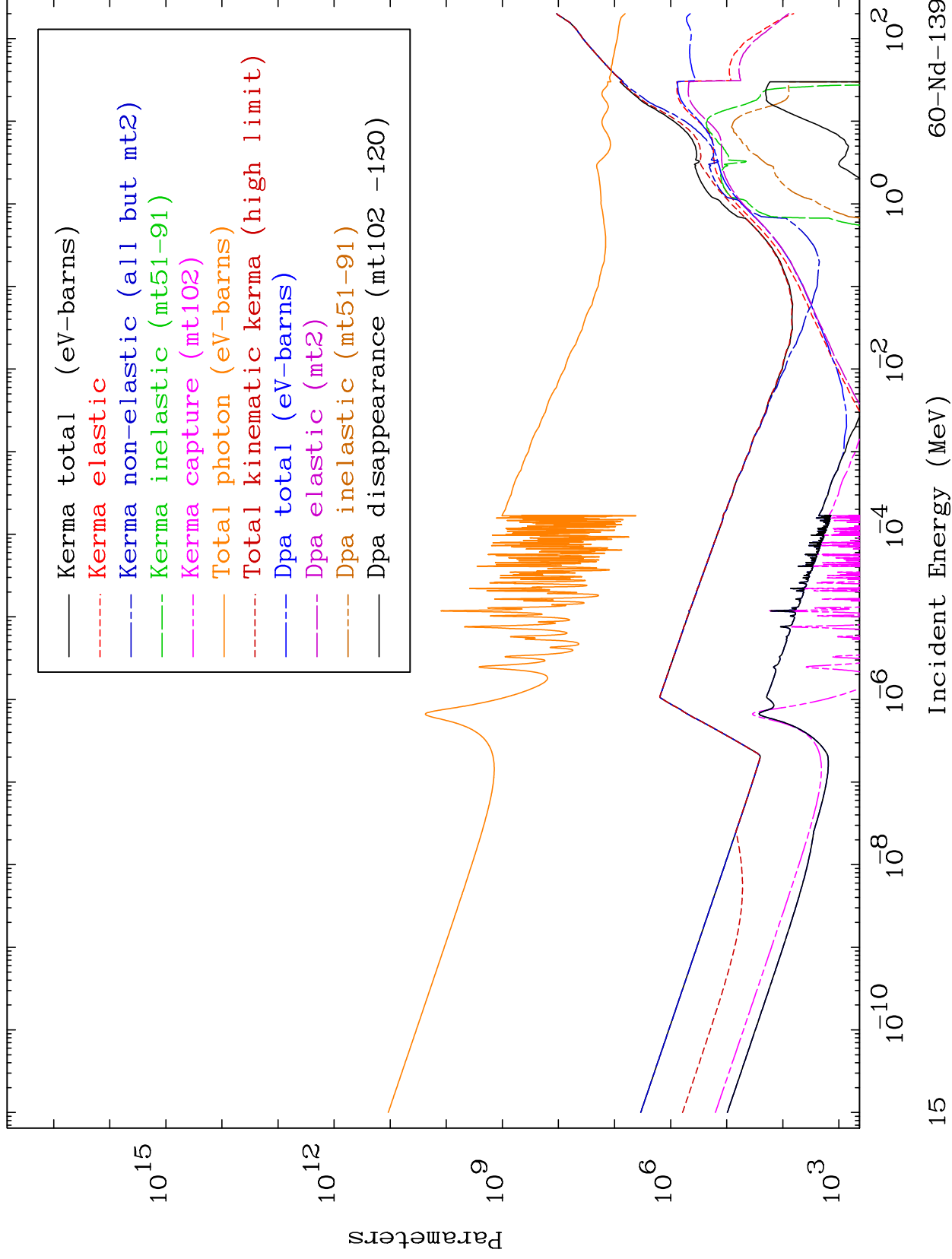
60-Nd-139

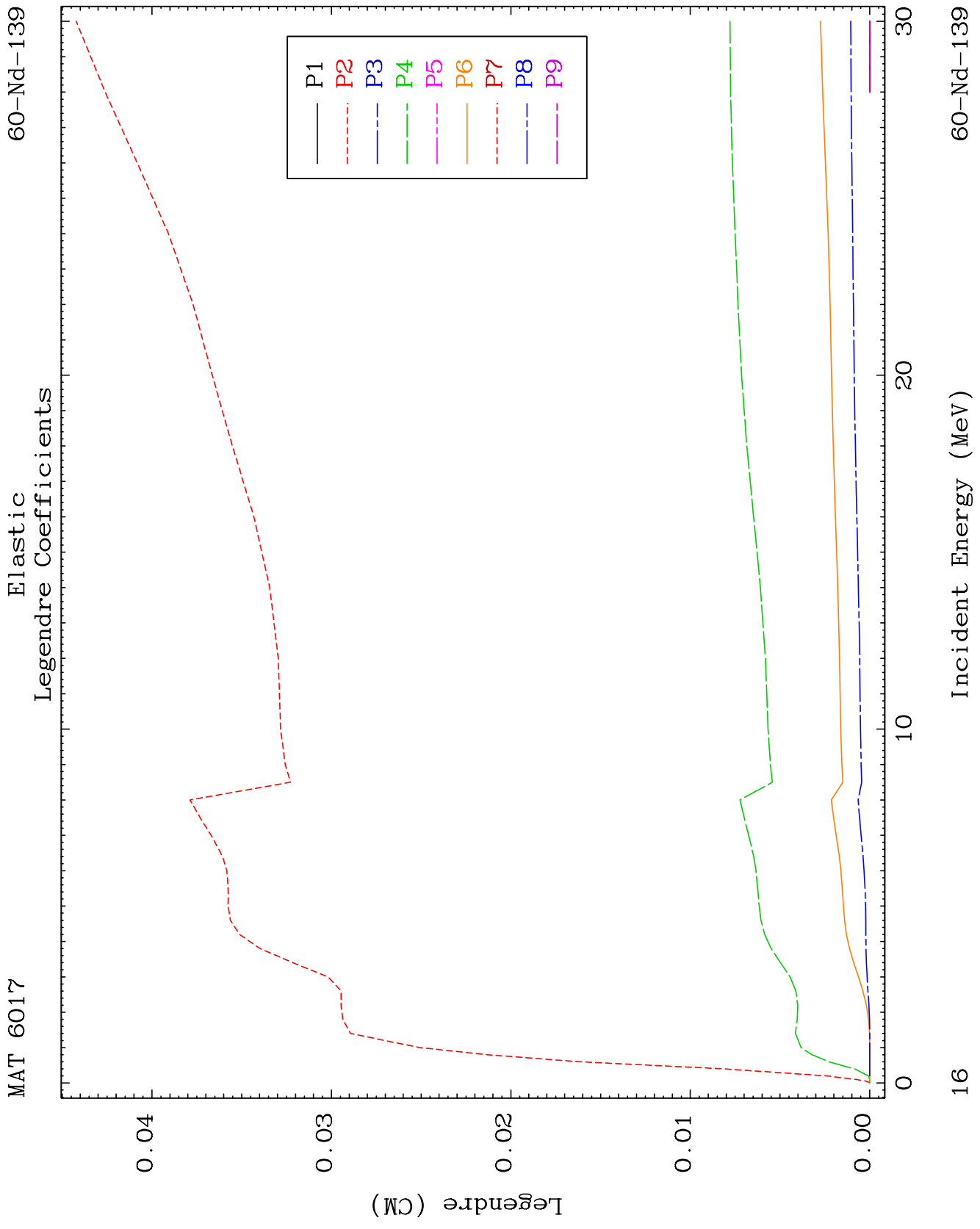
MAT 6017

(n, α) Levels
293 Kelvin Cross Sections

60-Nd-139



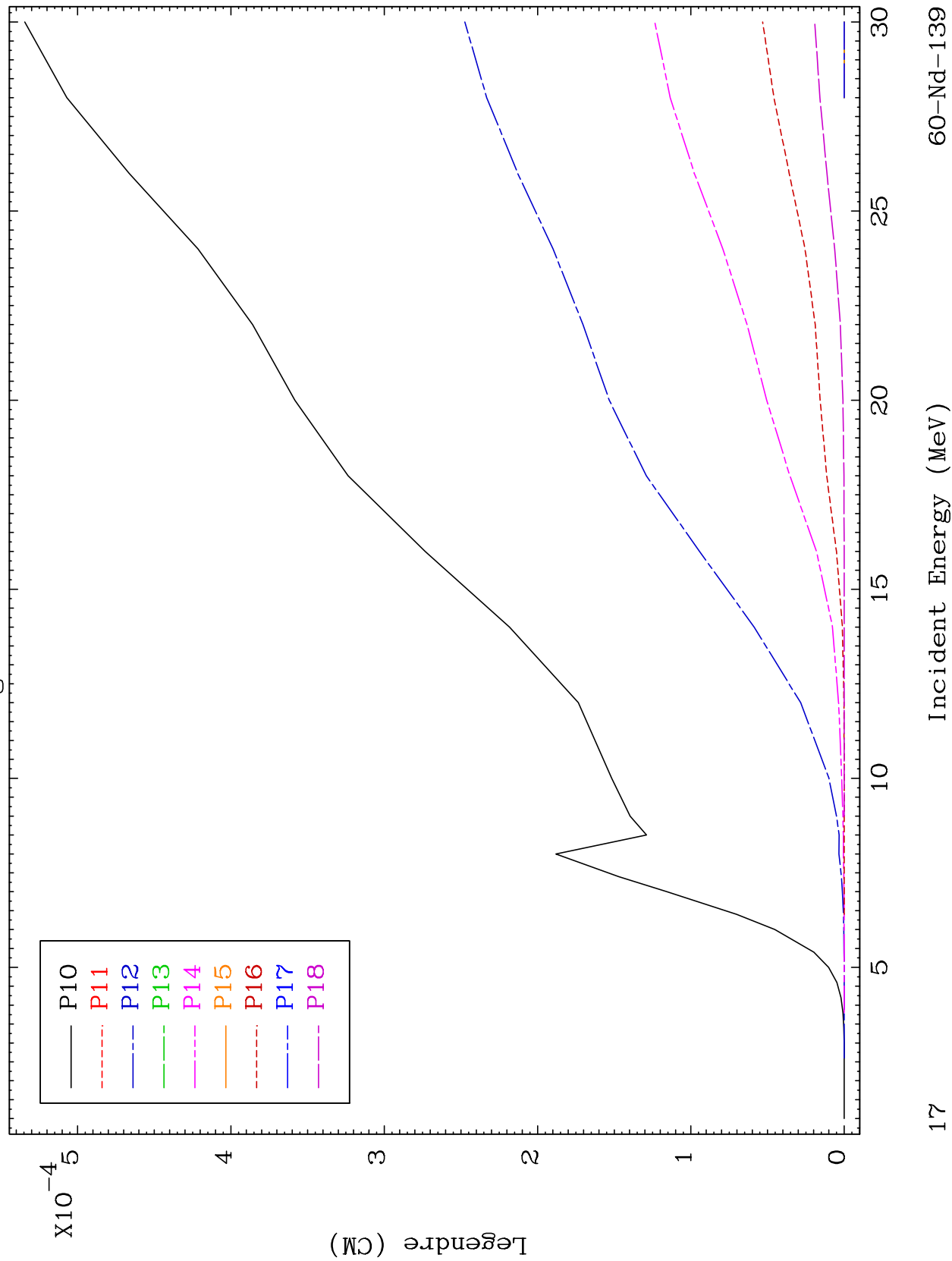




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Elastic Legendre Coefficients

⁶⁰Nd-139



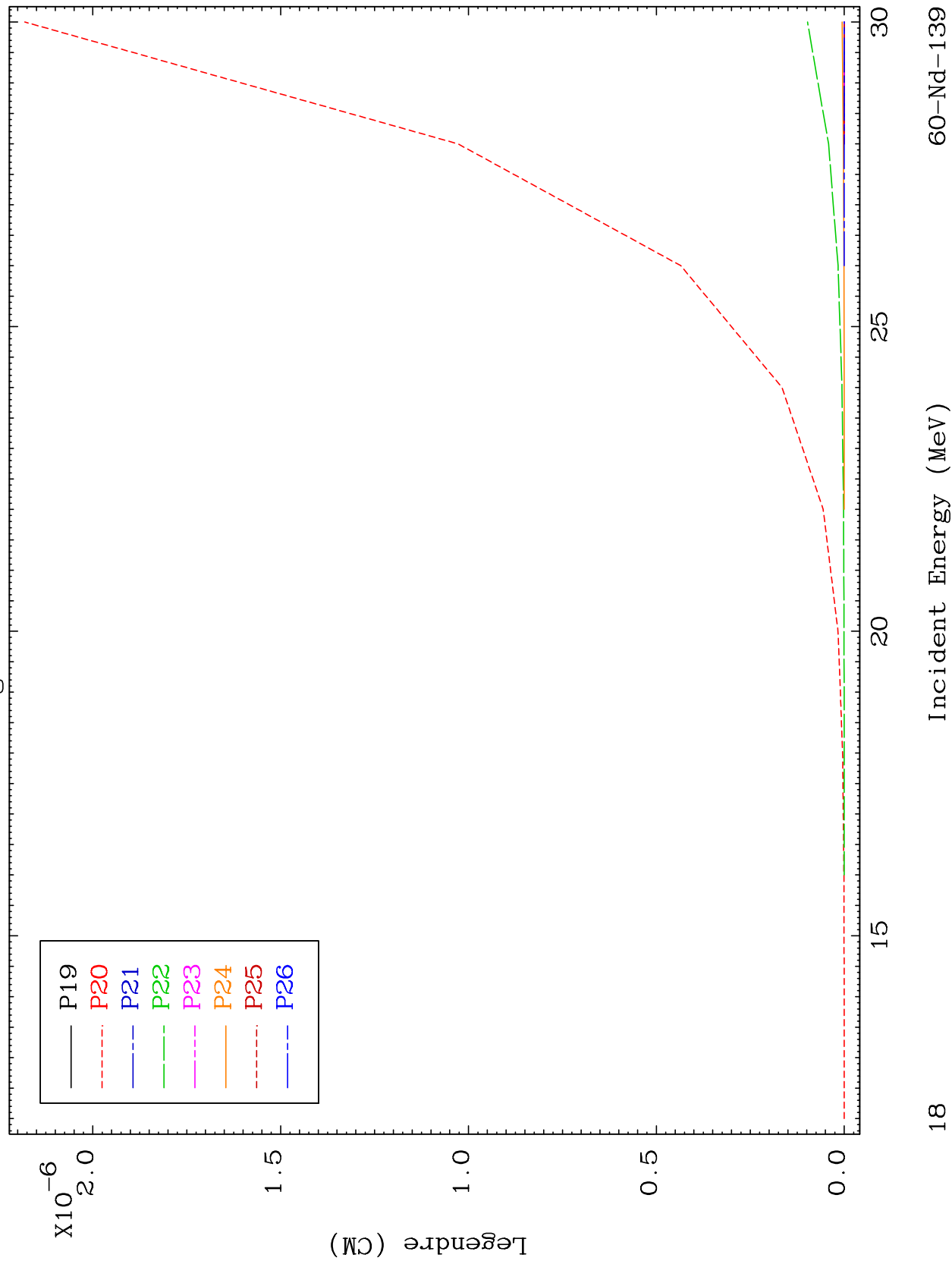
17

⁶⁰Nd-139

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Elastic
Legendre Coefficients

60-Nd-139



18

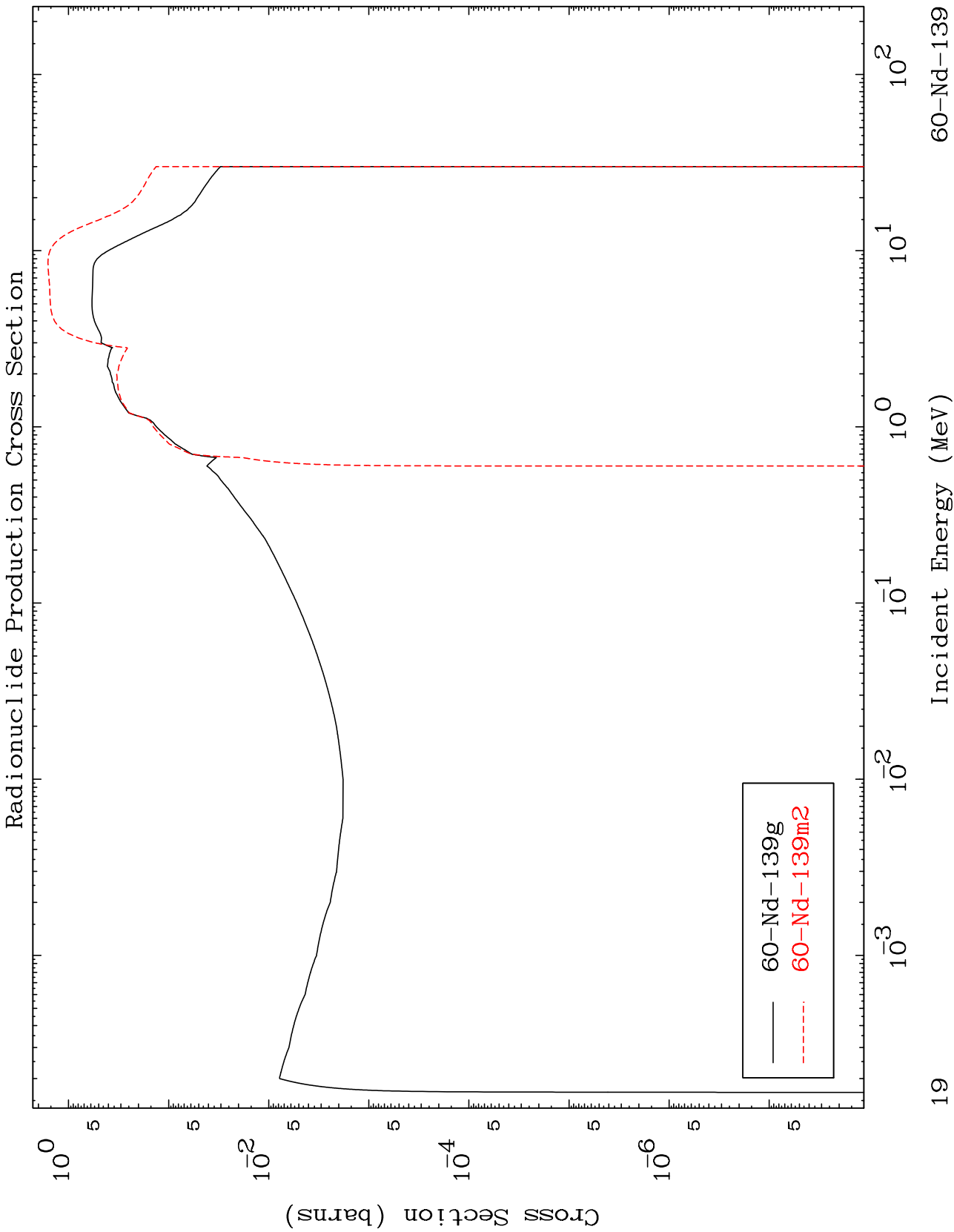
Incident Energy (MeV)

60-Nd-139

MAT 6017

60-Nd-139

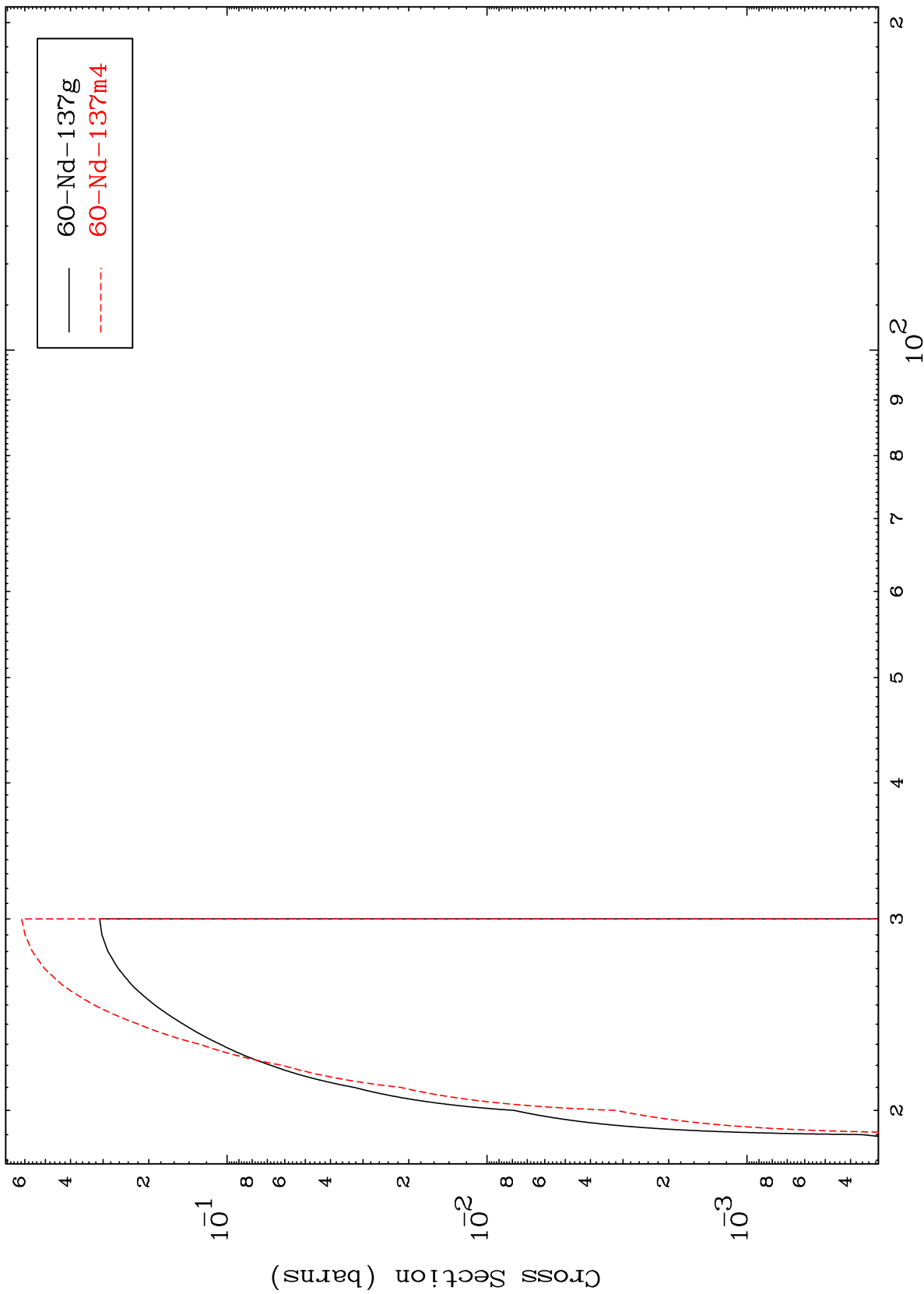
Inelastic
Radionuclide Production Cross Section



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60-Nd-139

(n,3n)
Radionuclide Production Cross Section



60-Nd-139

Incident Energy (MeV)

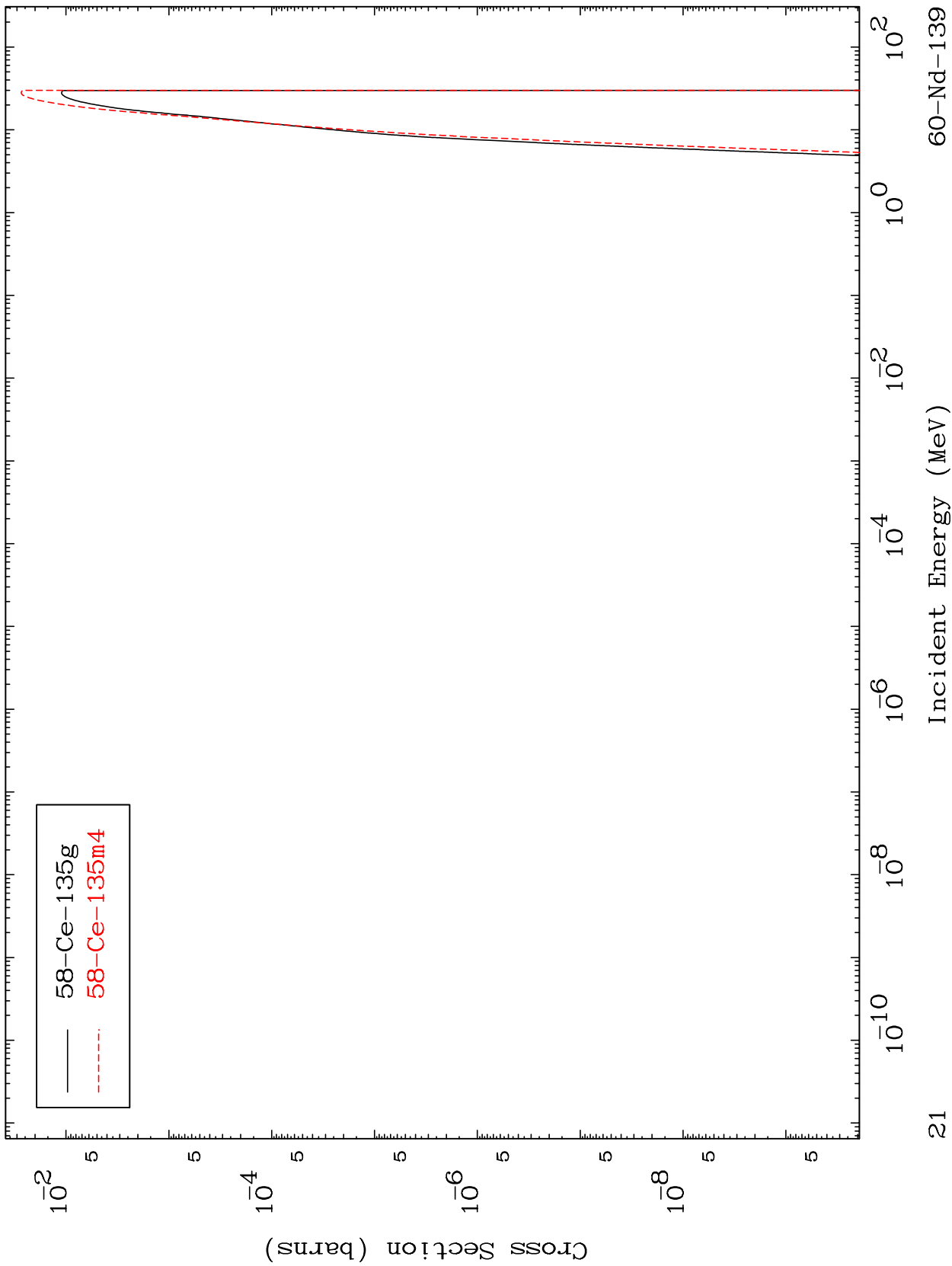
20

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$(n, n') \alpha$

60-Nd-139

Radionuclide Production Cross Section

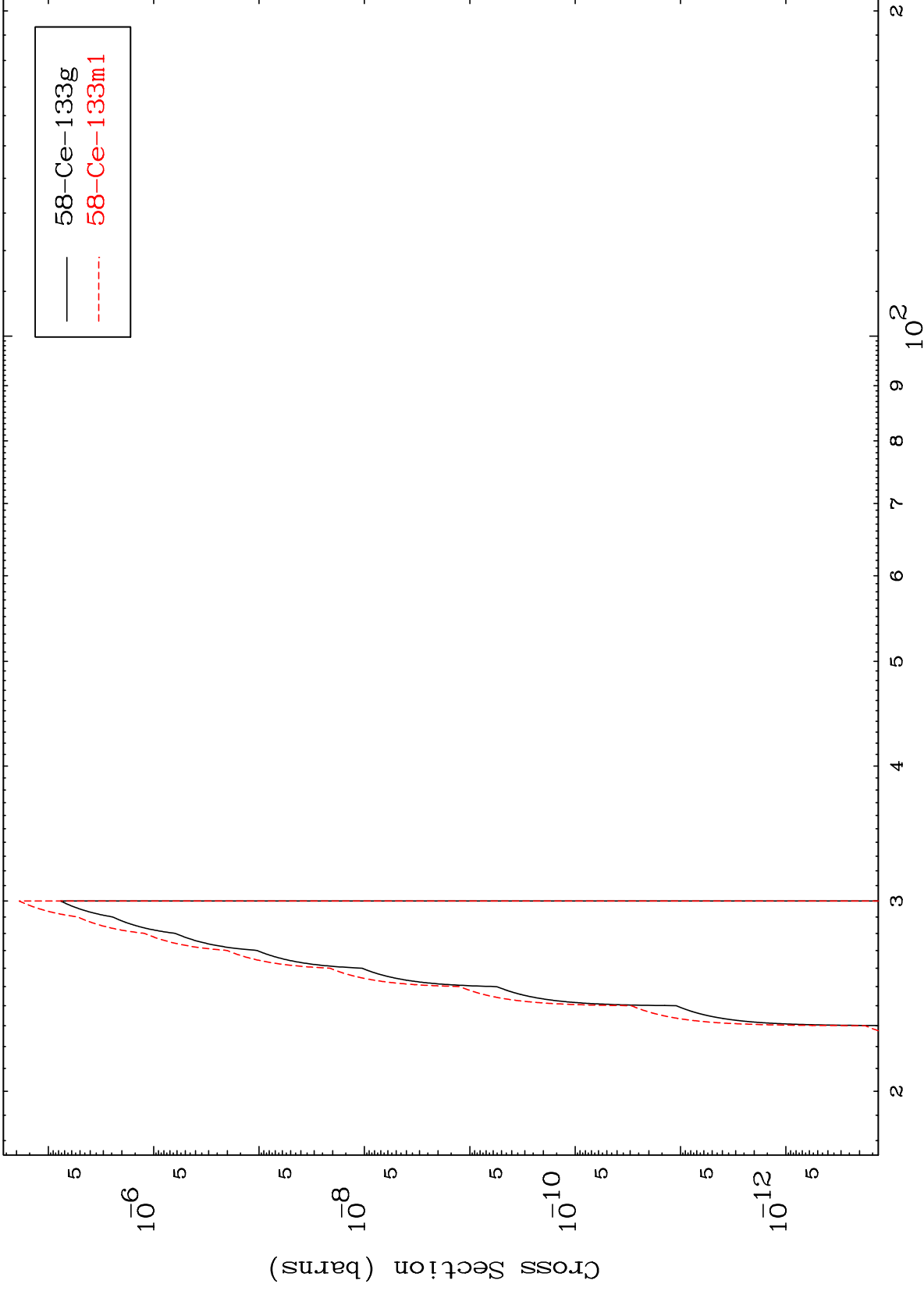


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(n,3n) α

60-Nd-139

Radionuclide Production Cross Section



22

Incident Energy (MeV)

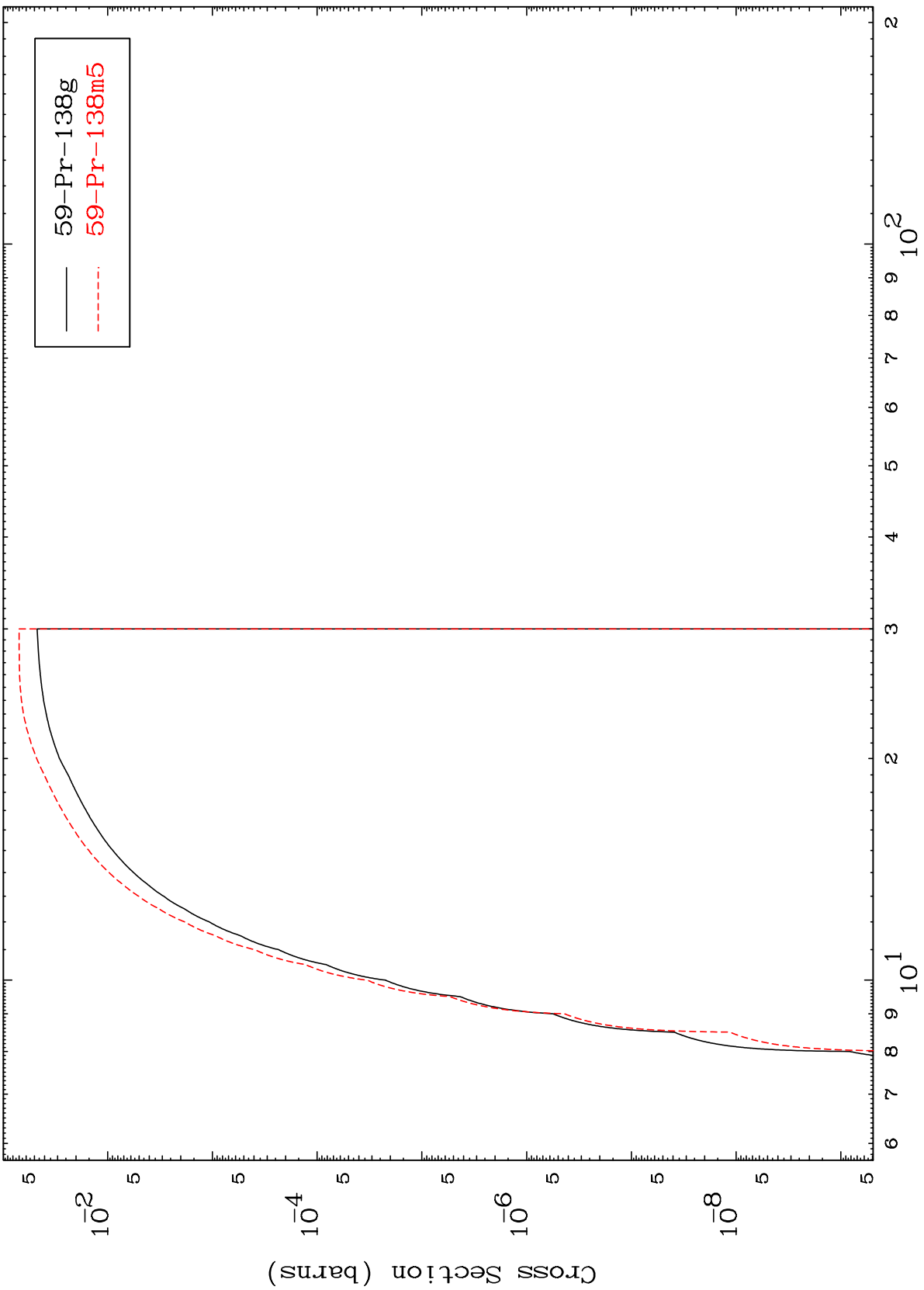
60-Nd-139

MAT 6017

(n,n') p

60-Nd-139

Radionuclide Production Cross Section



23

Incident Energy (MeV)

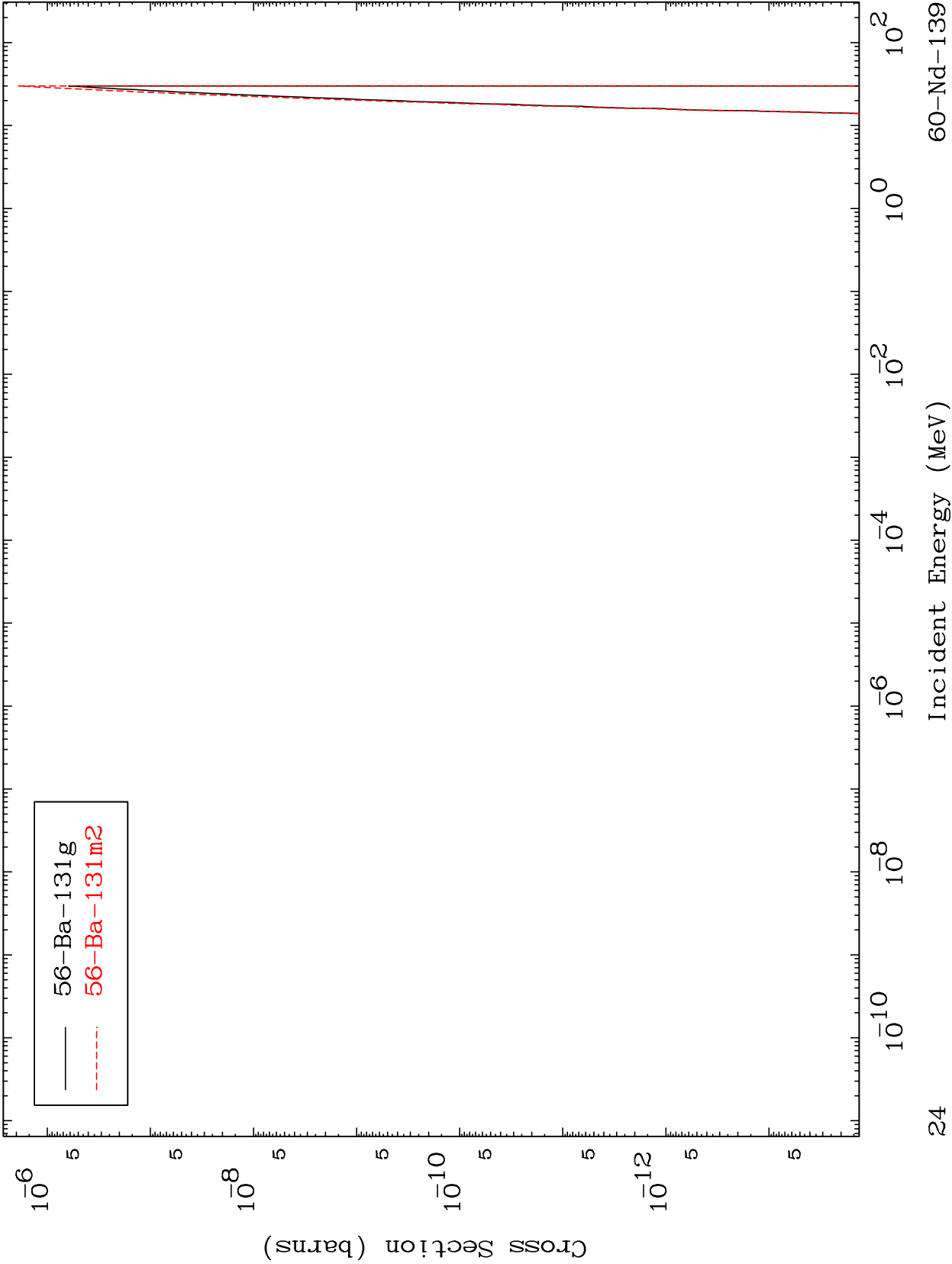
60-Nd-139

MAT 6017

(n,n') 2 α

60-Nd-139

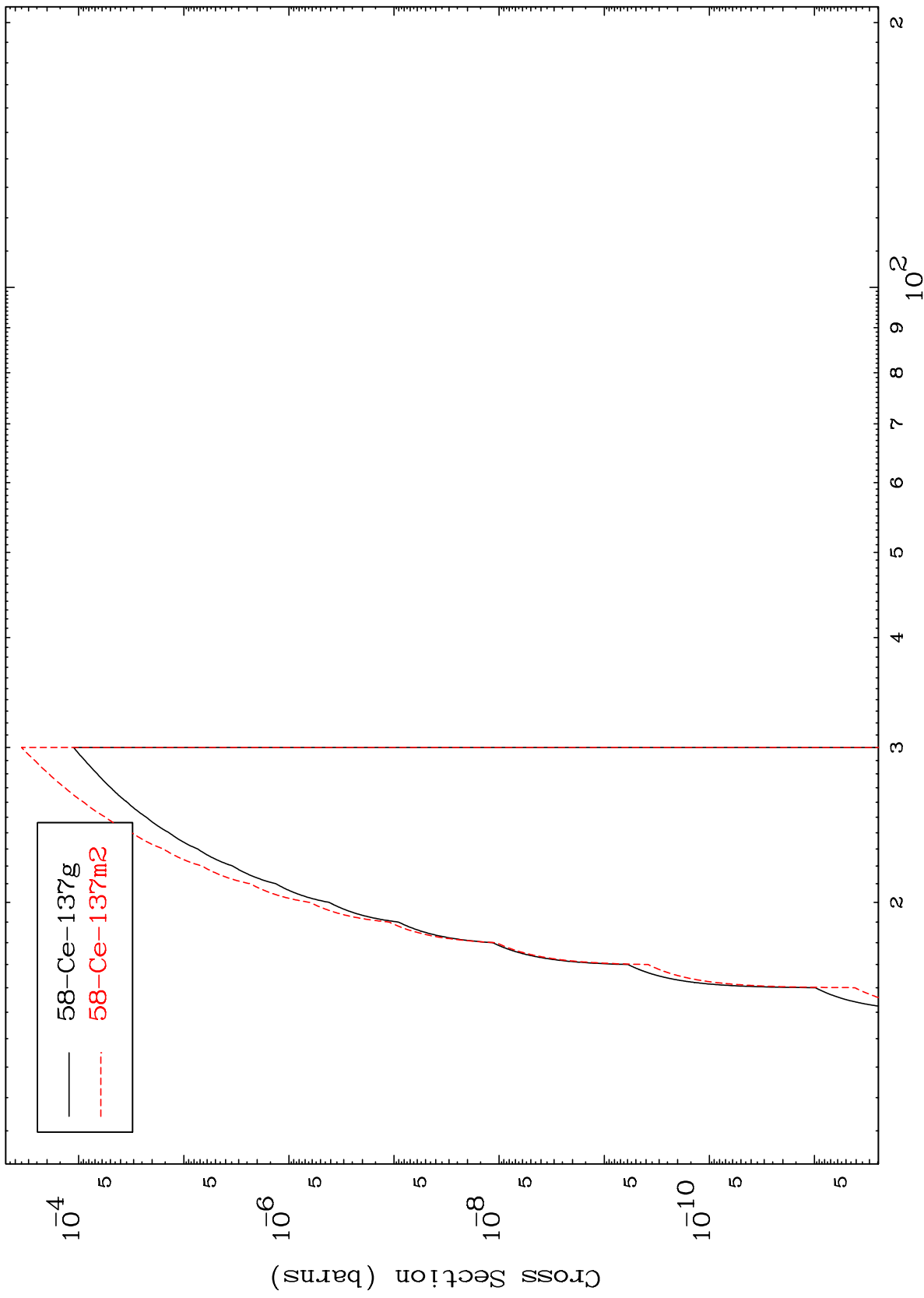
Radionuclide Production Cross Section



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60-Nd-139

(n,2n) p
Radionuclide Production Cross Section



60-Nd-139

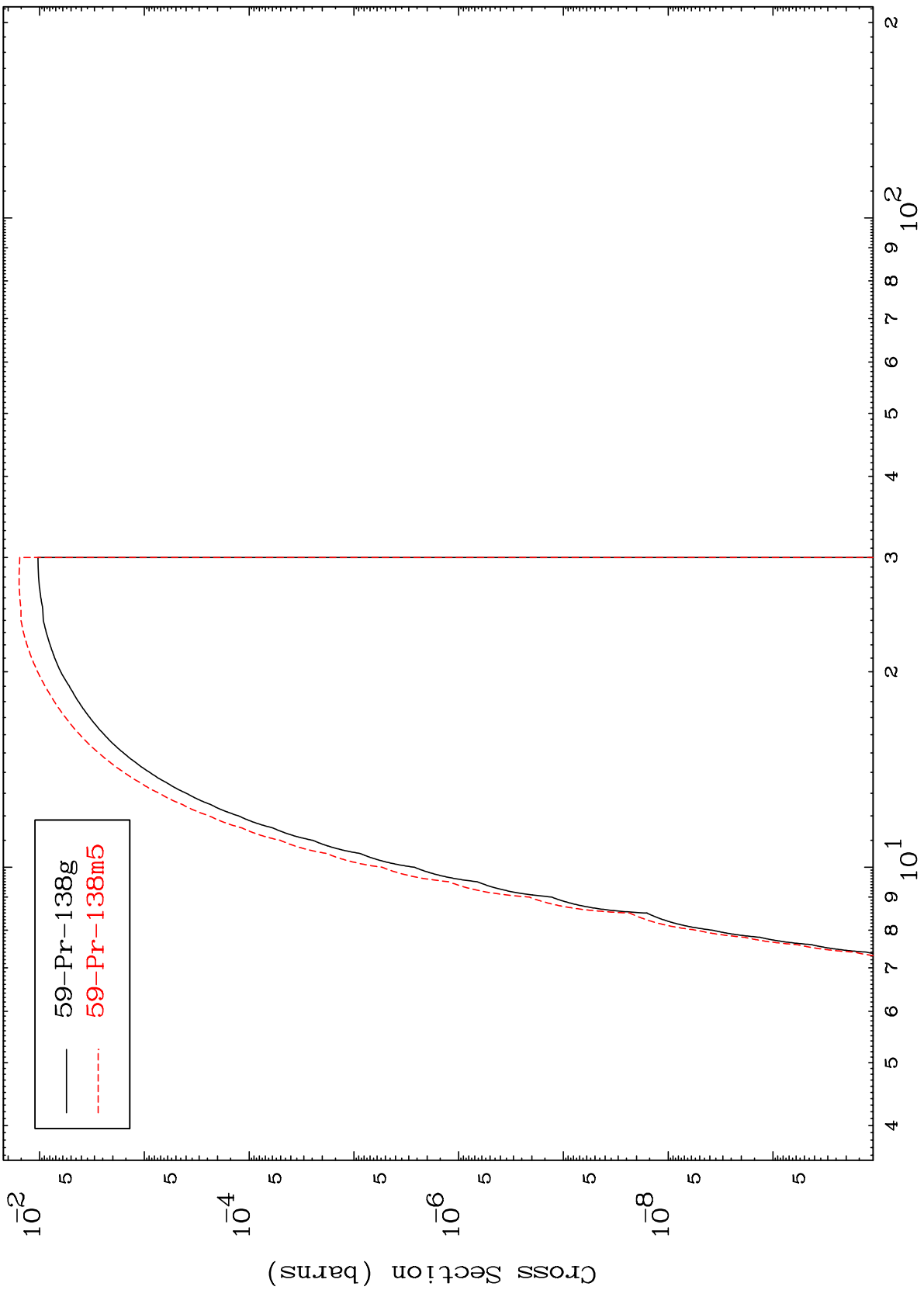
Incident Energy (MeV)

25

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60-Nd-139

(n,d)
Radionuclide Production Cross Section



— 59-Pr-138g
- - - 59-Pr-138m5

60-Nd-139

Incident Energy (MeV)

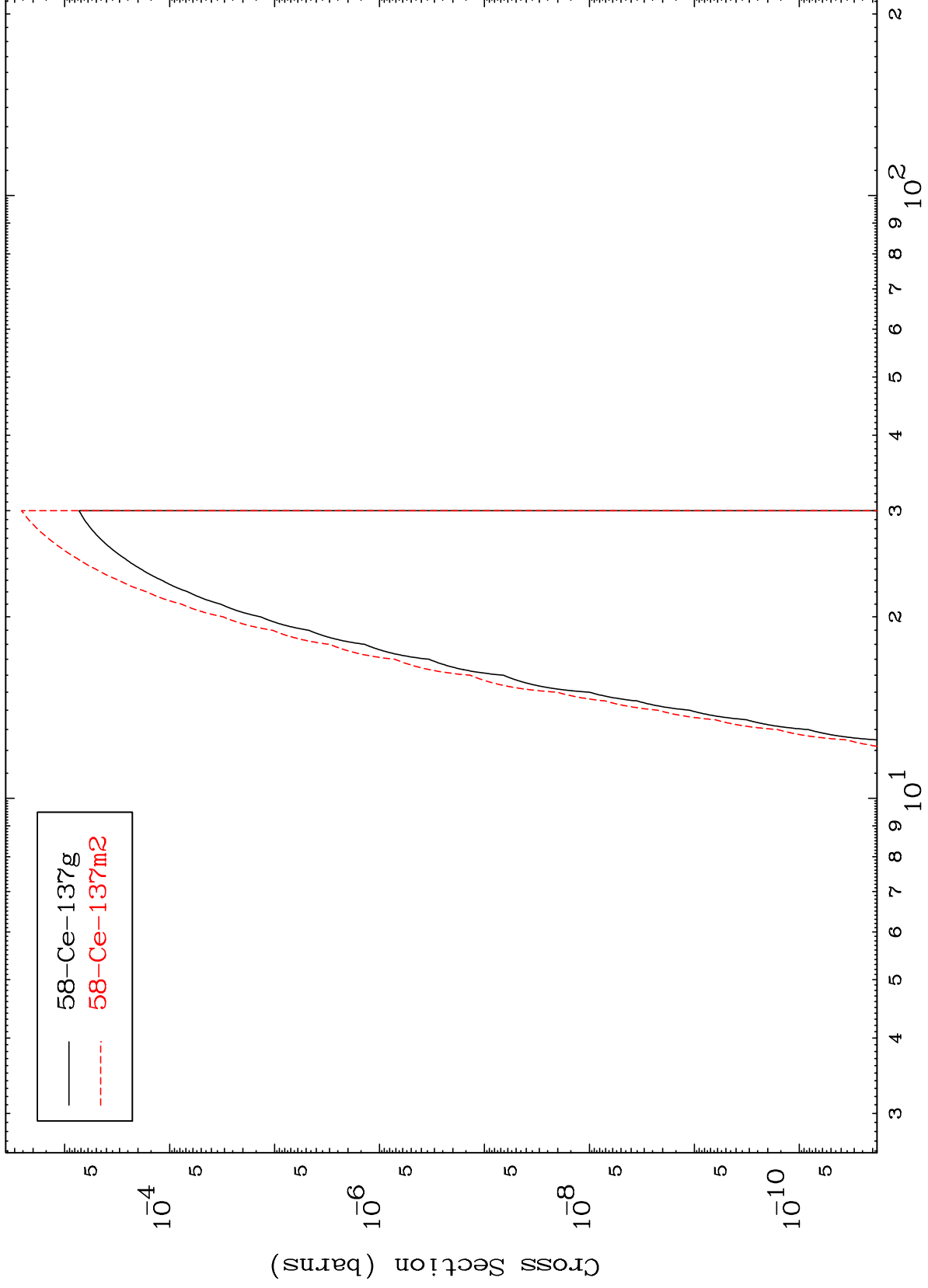
26

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(n,He-3)

60-Nd-139

Radionuclide Production Cross Section



58-Ce-137g
58-Ce-137m2

27

Incident Energy (MeV)

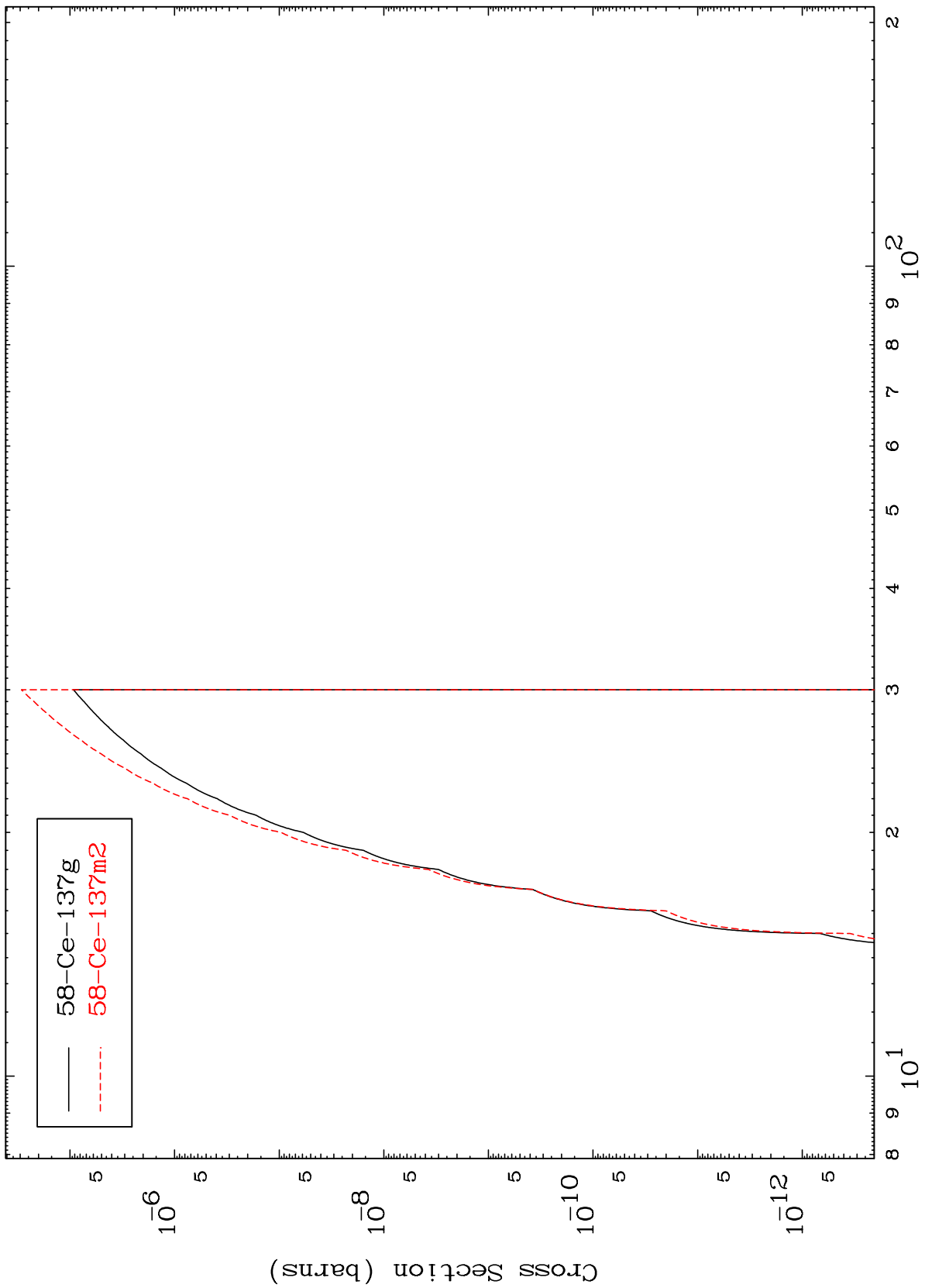
60-Nd-139

MAT 6017

(n,p) d

60-Nd-139

Radionuclide Production Cross Section



28

Incident Energy (MeV)

60-Nd-139