

Program EVALPLOT
(Version 2018-1)

by

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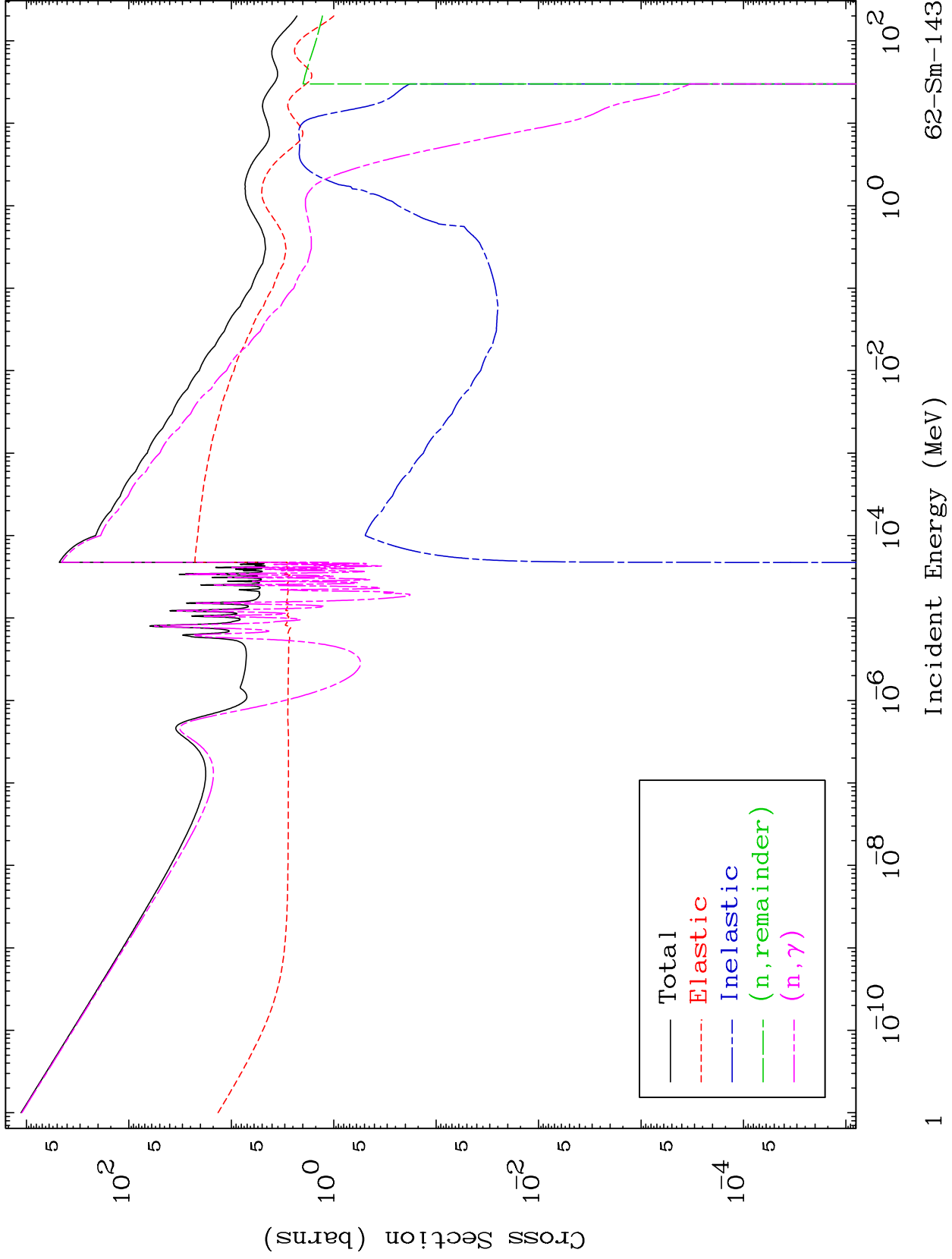
Press Mouse Button to Start

MAT 6223

Major

293 Kelvin Cross Sections

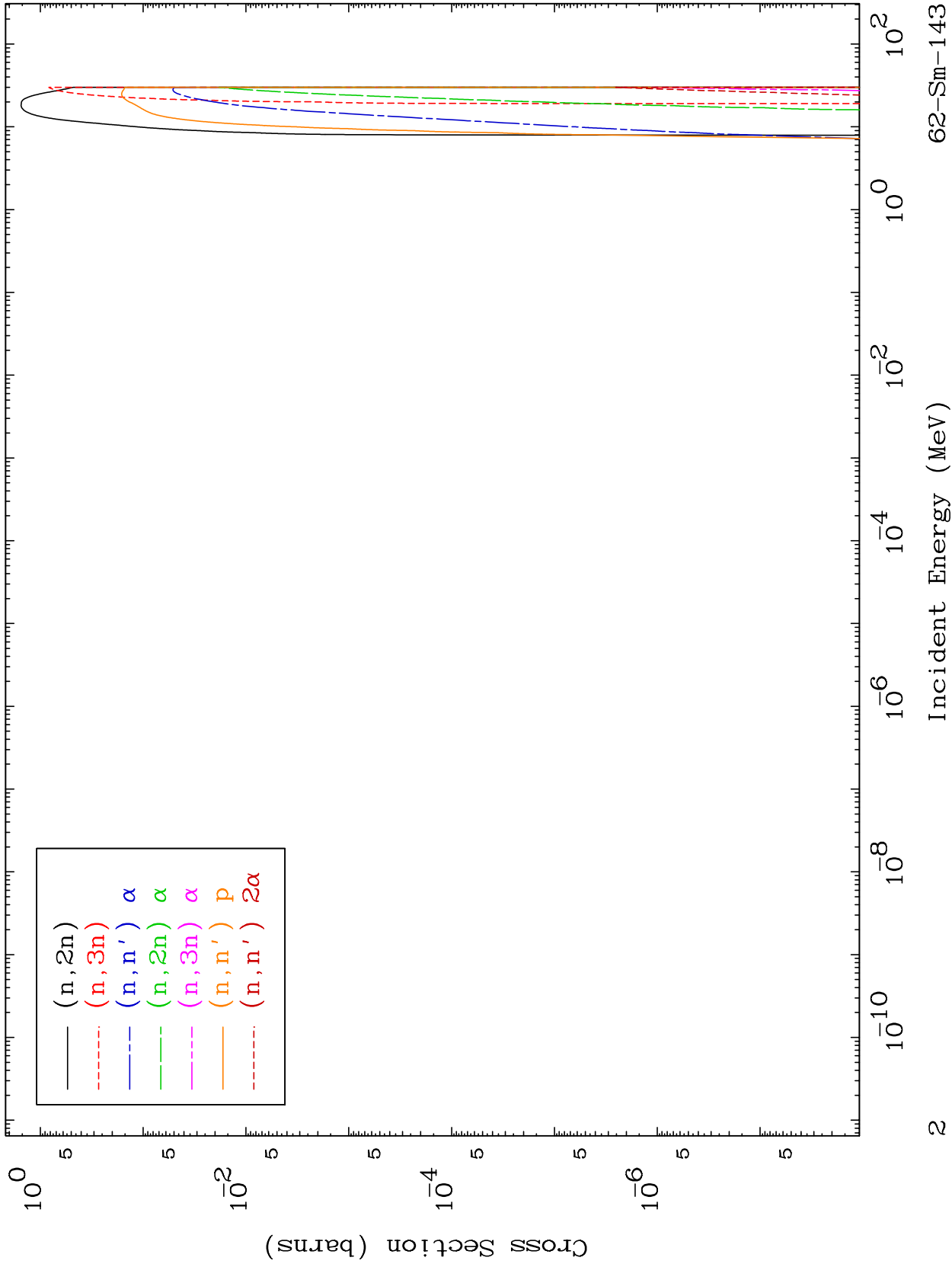
62-Sm-143



MAT 6223

Neutron Production
293 Kelvin Cross Sections

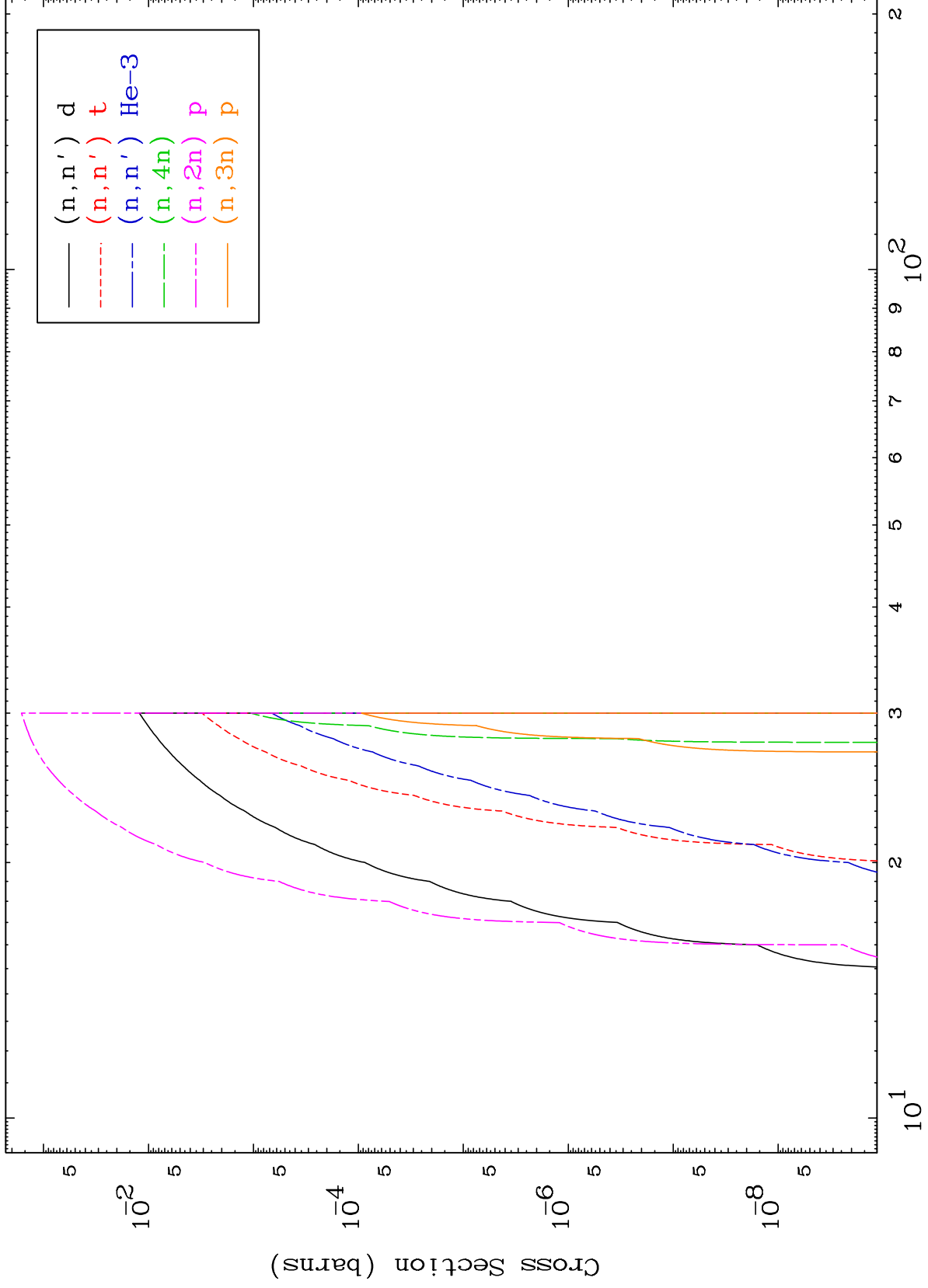
62-Sm-143



MAT 6223

Neutron Production
293 Kelvin Cross Sections

62-Sm-143



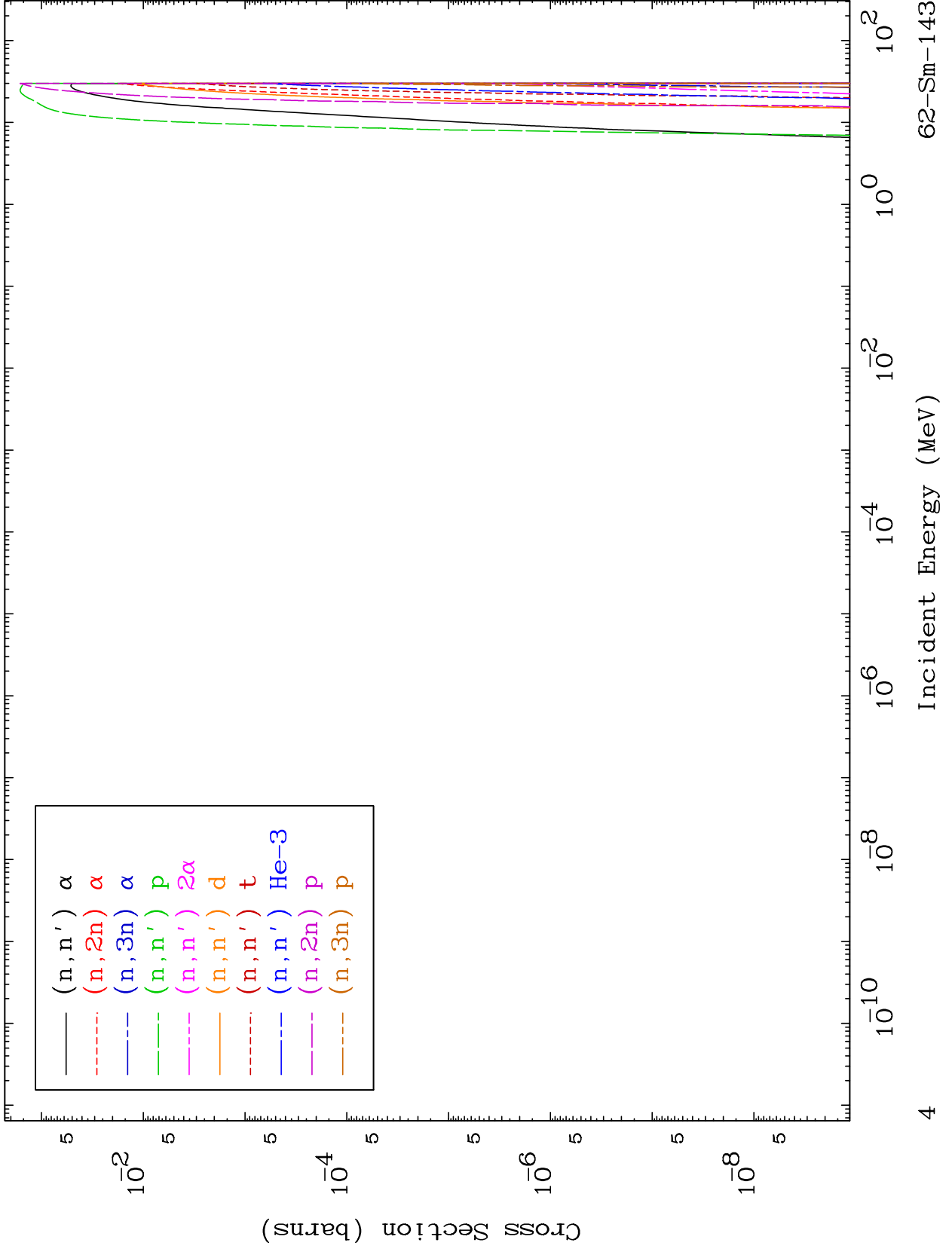
Incident Energy (MeV)

62-Sm-143

MAT 6223

Charged Particle
293 Kelvin Cross Sections

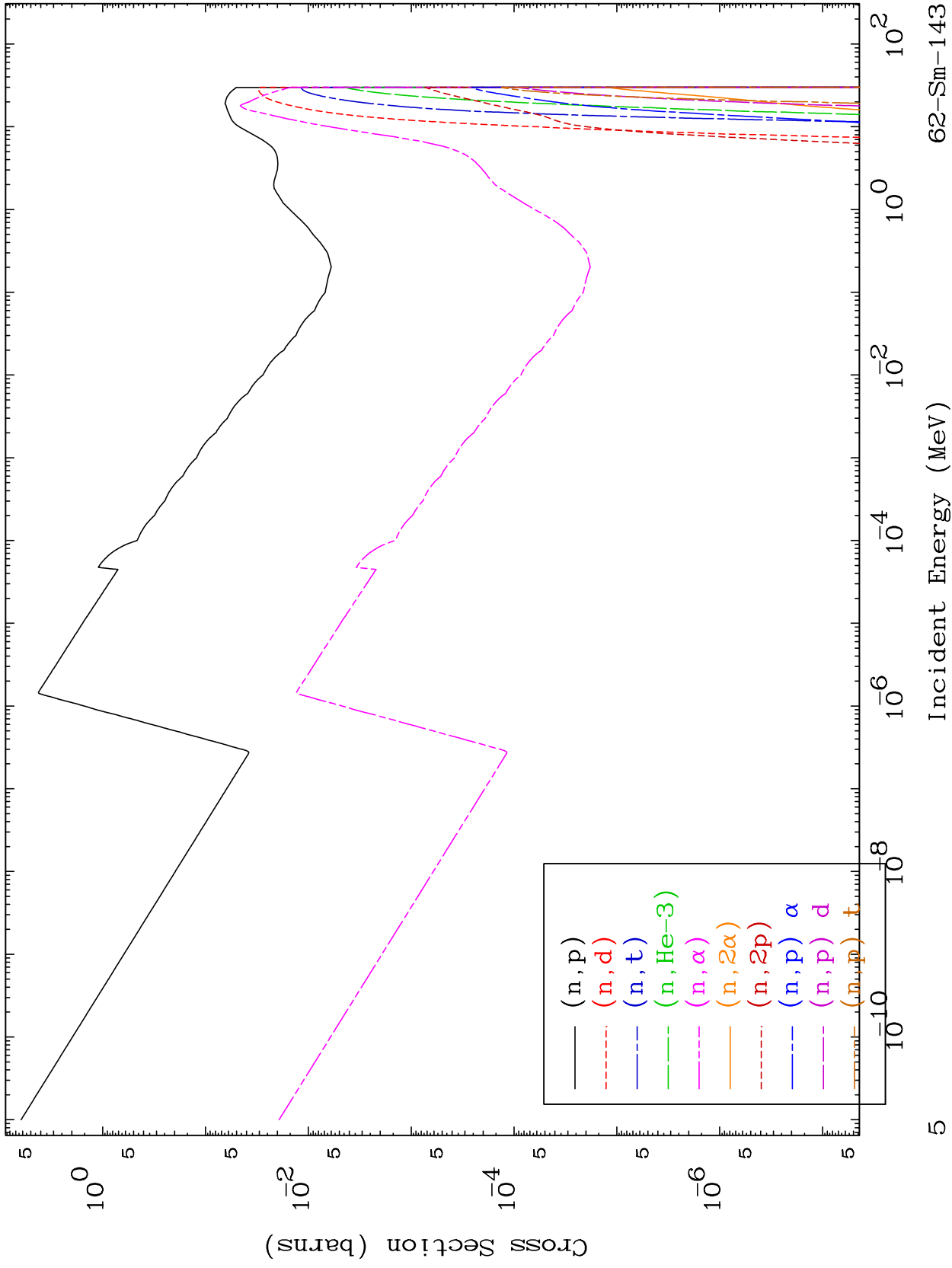
62-Sm-143



MAT 6223

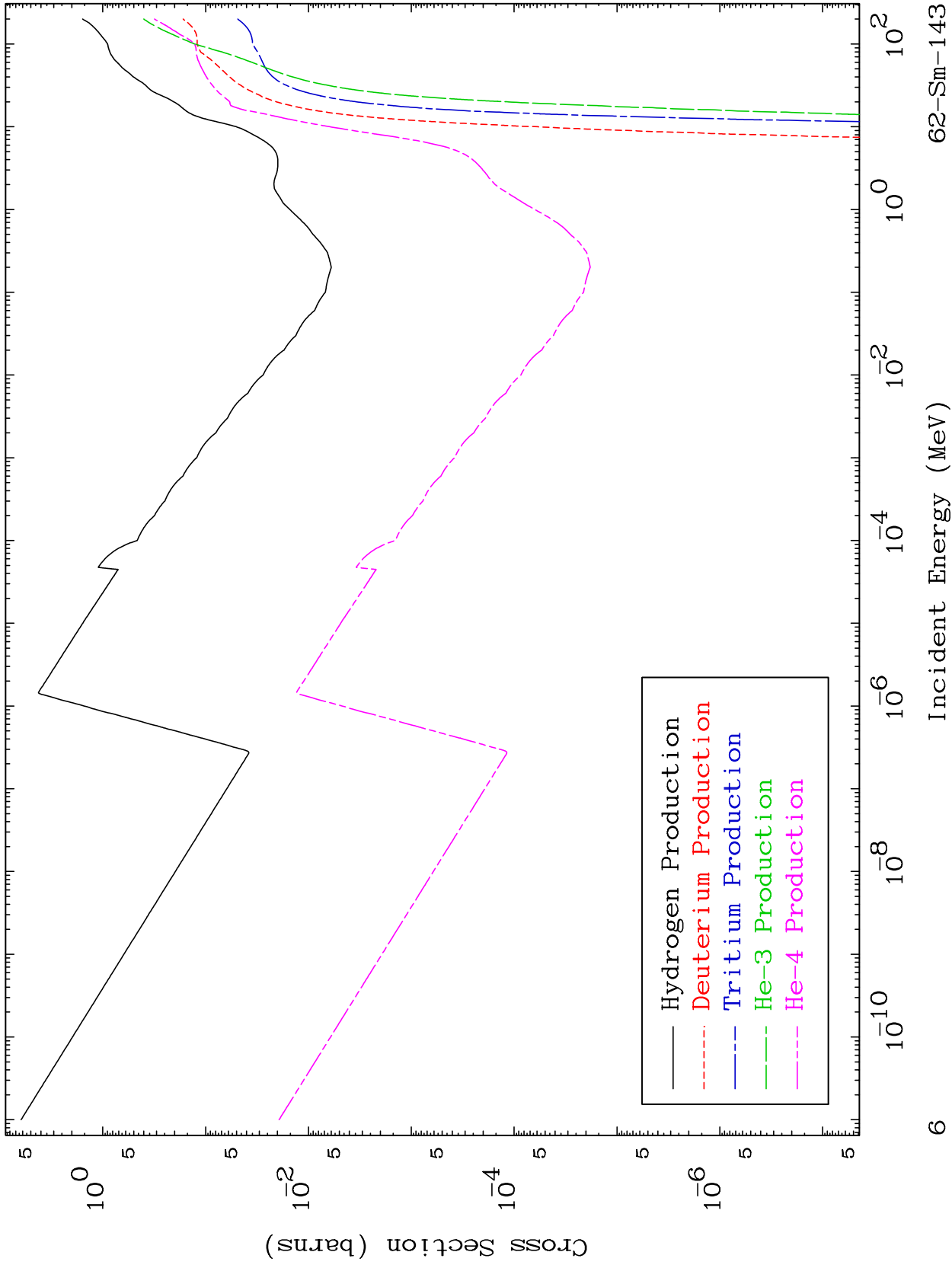
Charged Particle
293 Kelvin Cross Sections

62-Sm-143



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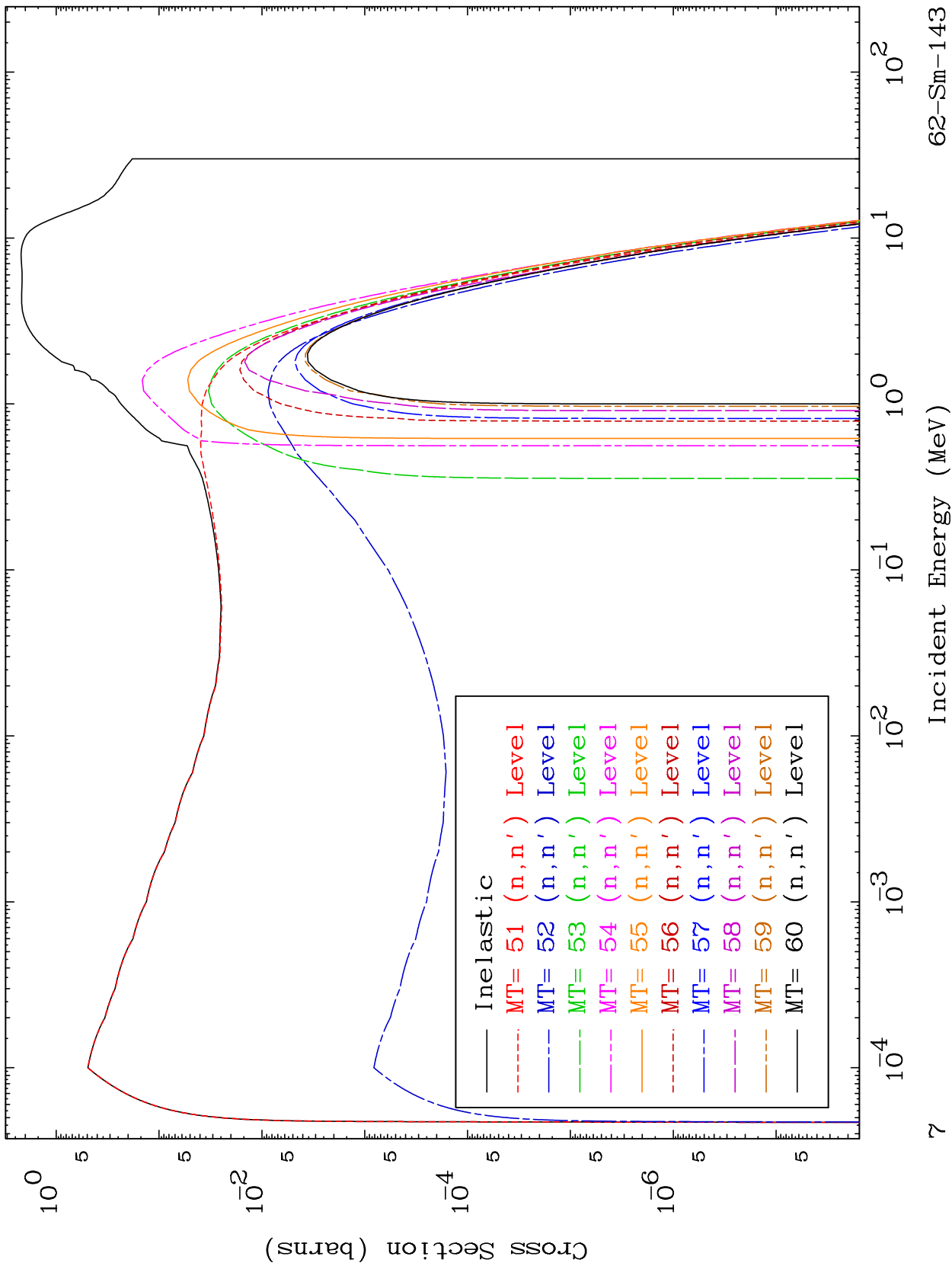
62-Sm-143



MAT 6223

(n,n') Level
293 Kelvin Cross Sections

62-Sm-143

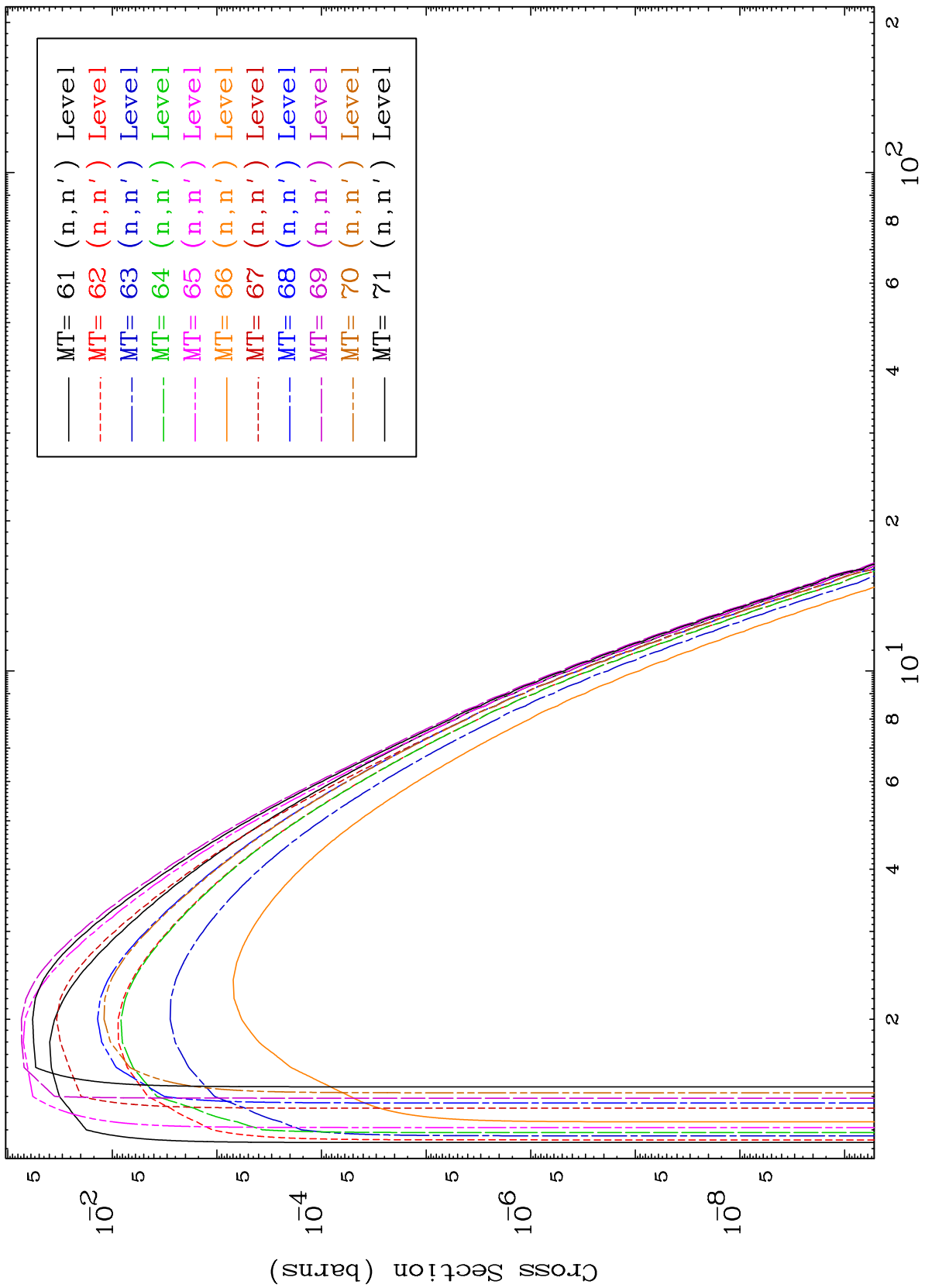


MAT 6223

(n,n') Level

62-Sm-143

293 Kelvin Cross Sections

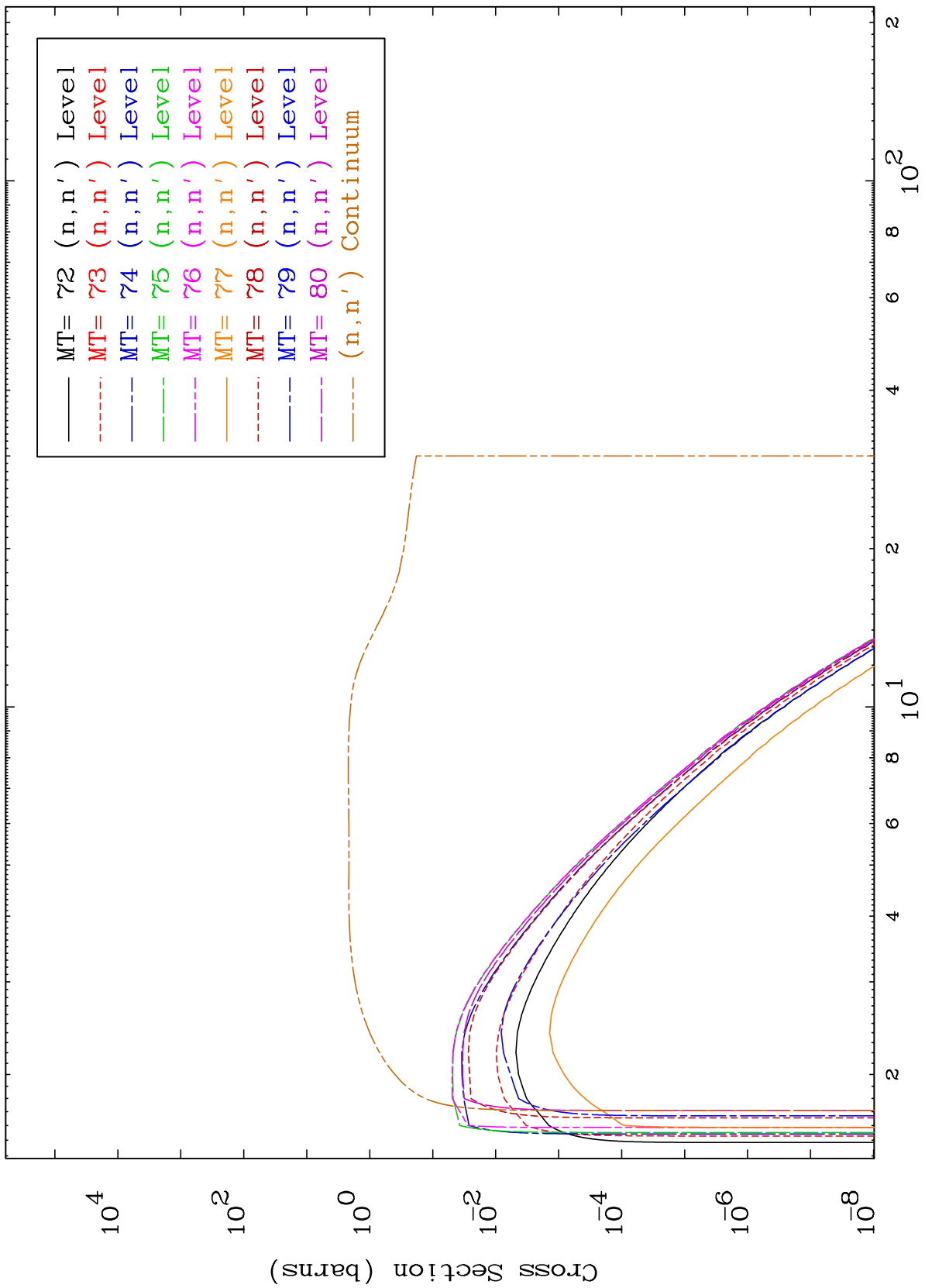


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Incident Energy (MeV)

62-Sm-143

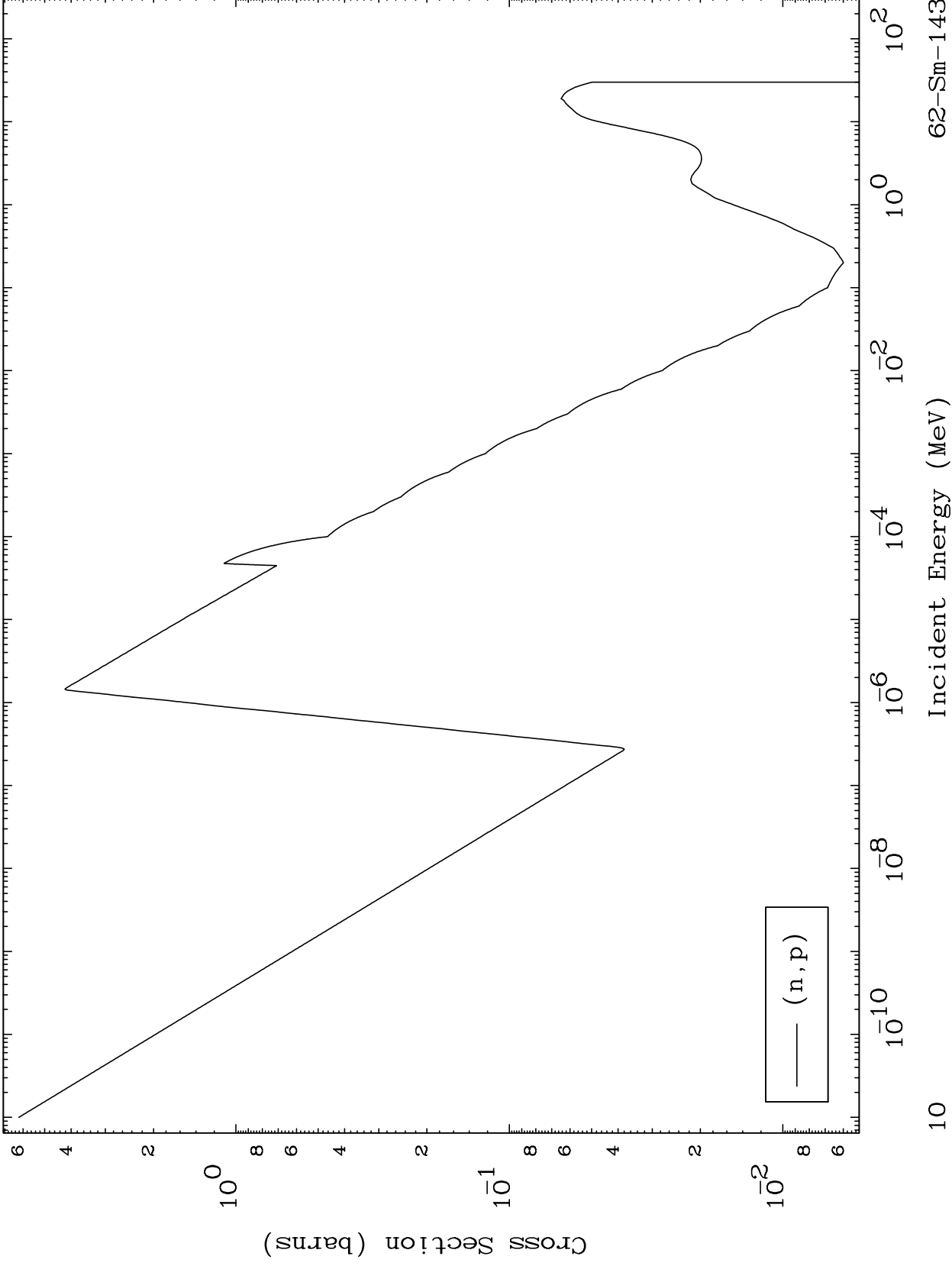
293 Kelvin Cross Sections



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(n,p) Levels
293 Kelvin Cross Sections

62-Sm-143



10

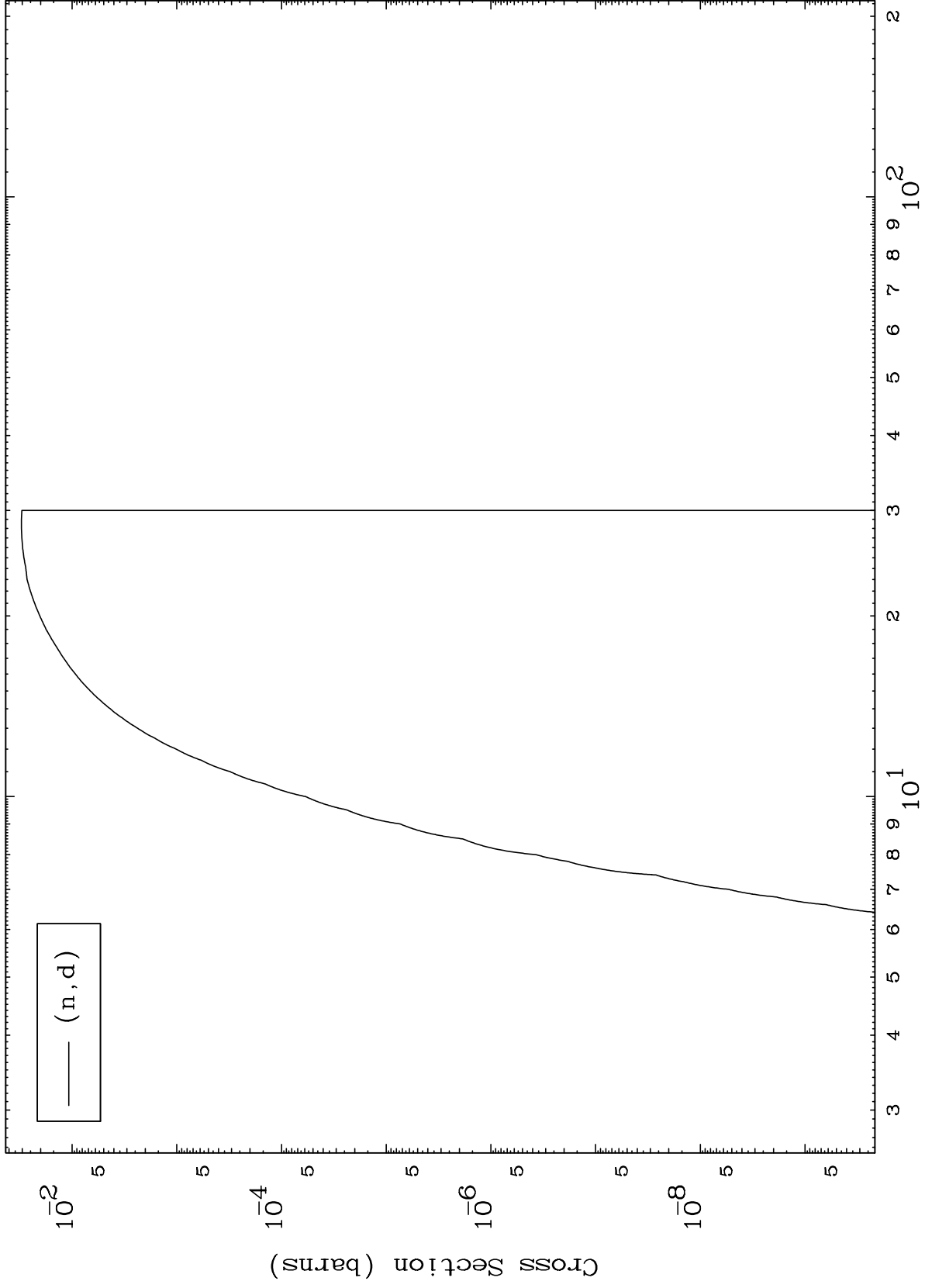
Incident Energy (MeV)

62-Sm-143

MAT 6223

(n,d) Levels
293 Kelvin Cross Sections

62-Sm-143



11

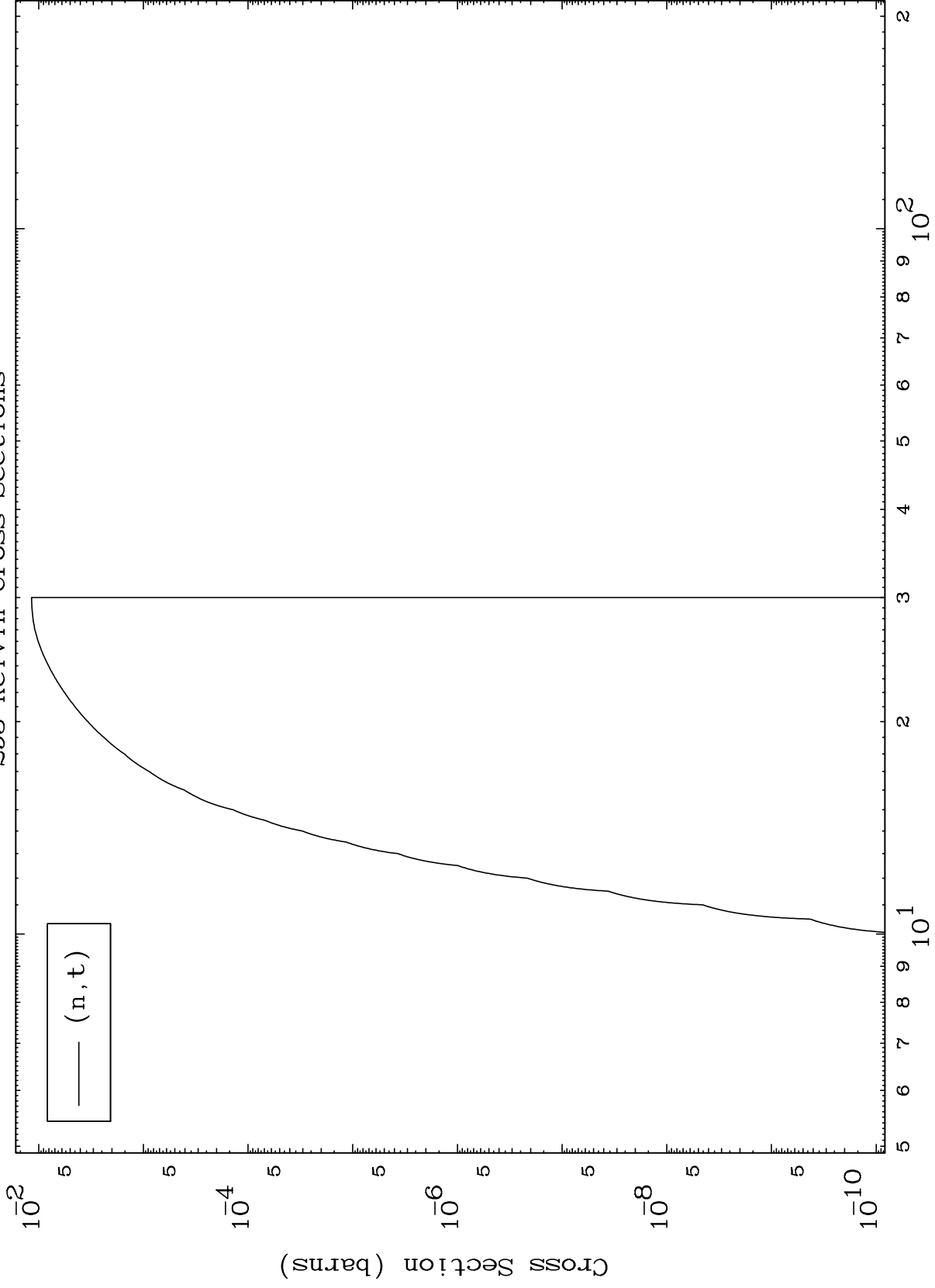
Incident Energy (MeV)

62-Sm-143

MAT 6223

(n,t) Levels
293 Kelvin Cross Sections

62-Sm-143



12

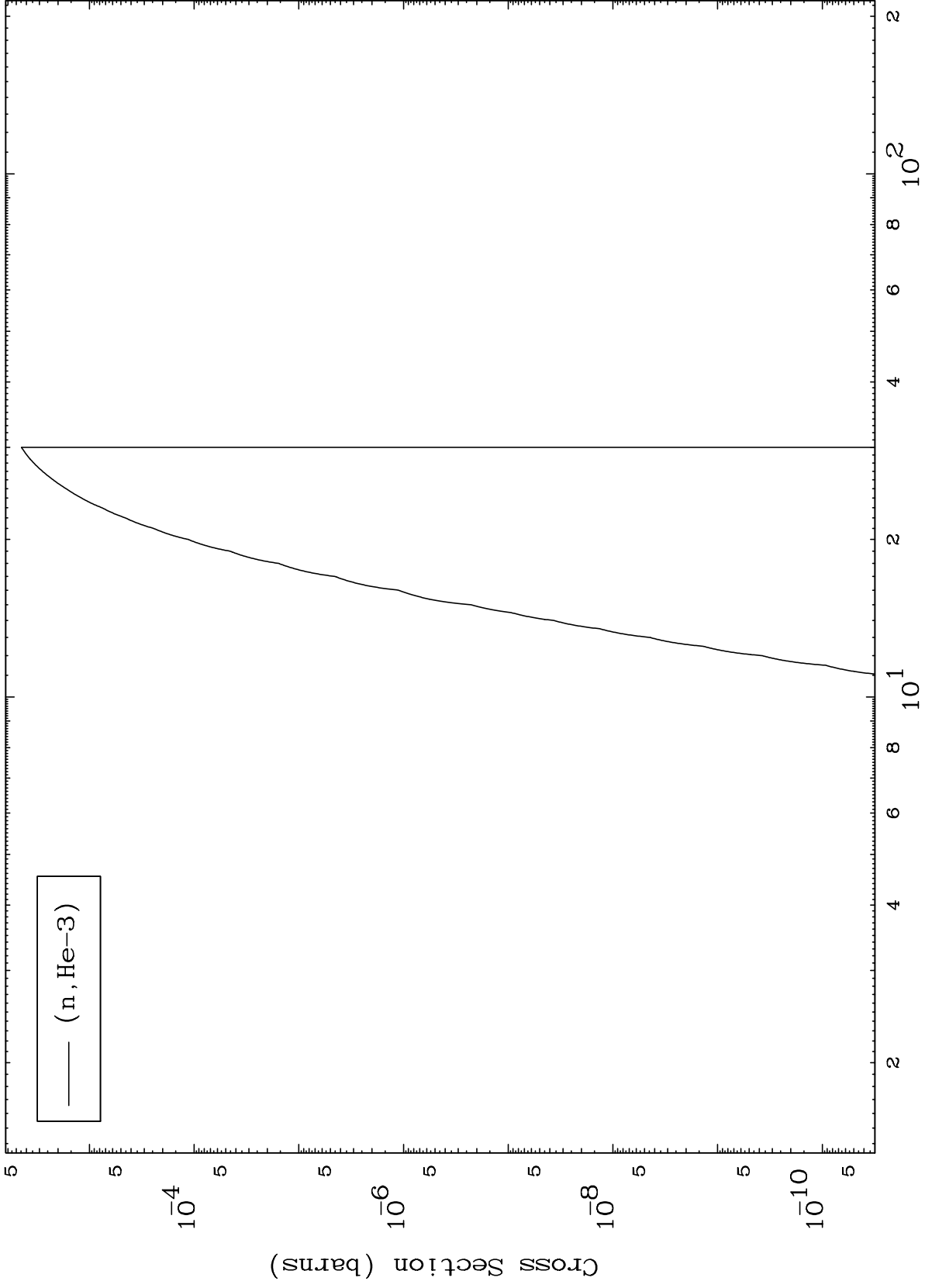
Incident Energy (MeV)

62-Sm-143

MAT 6223

(n,He3) Levels
293 Kelvin Cross Sections

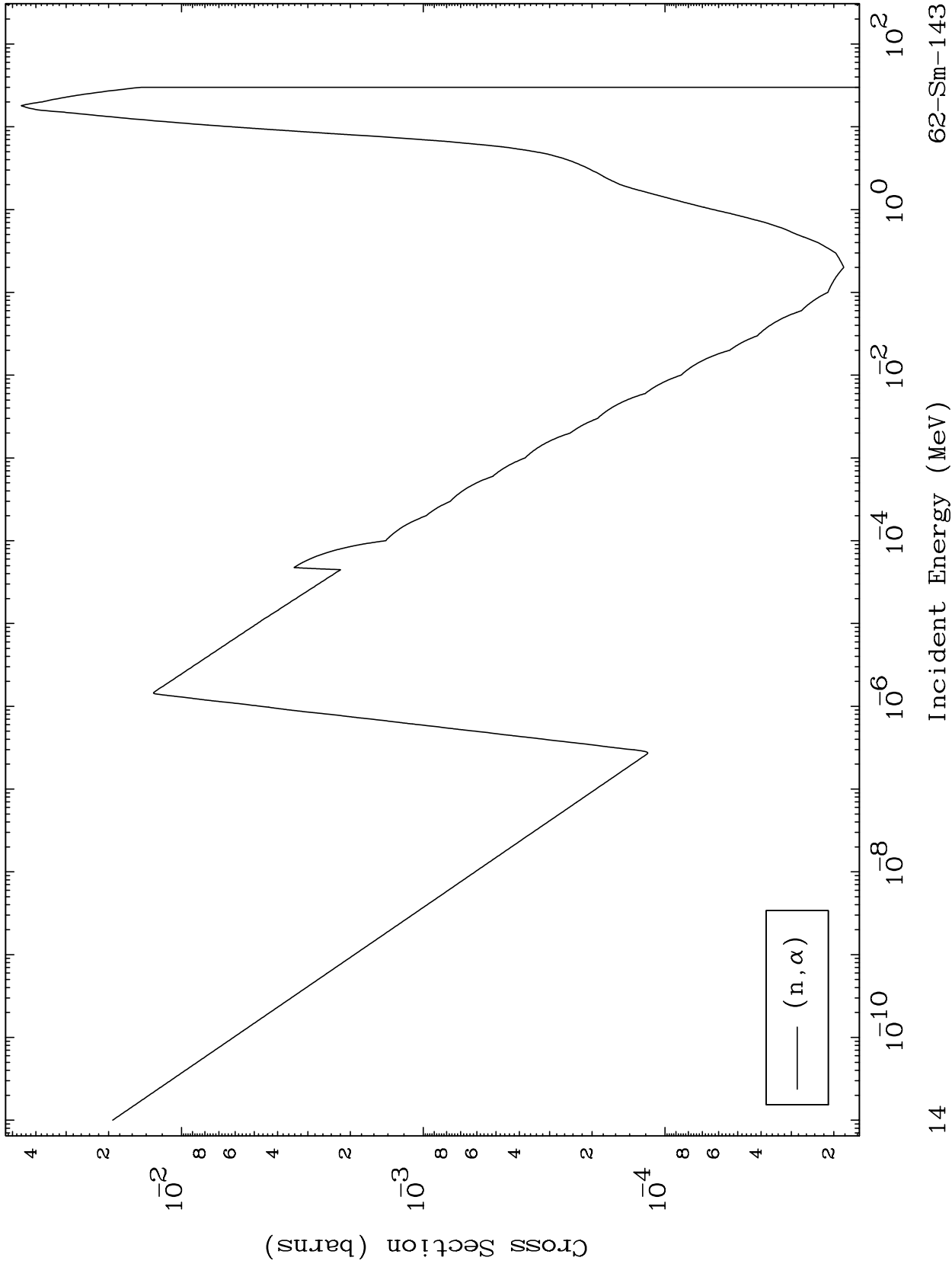
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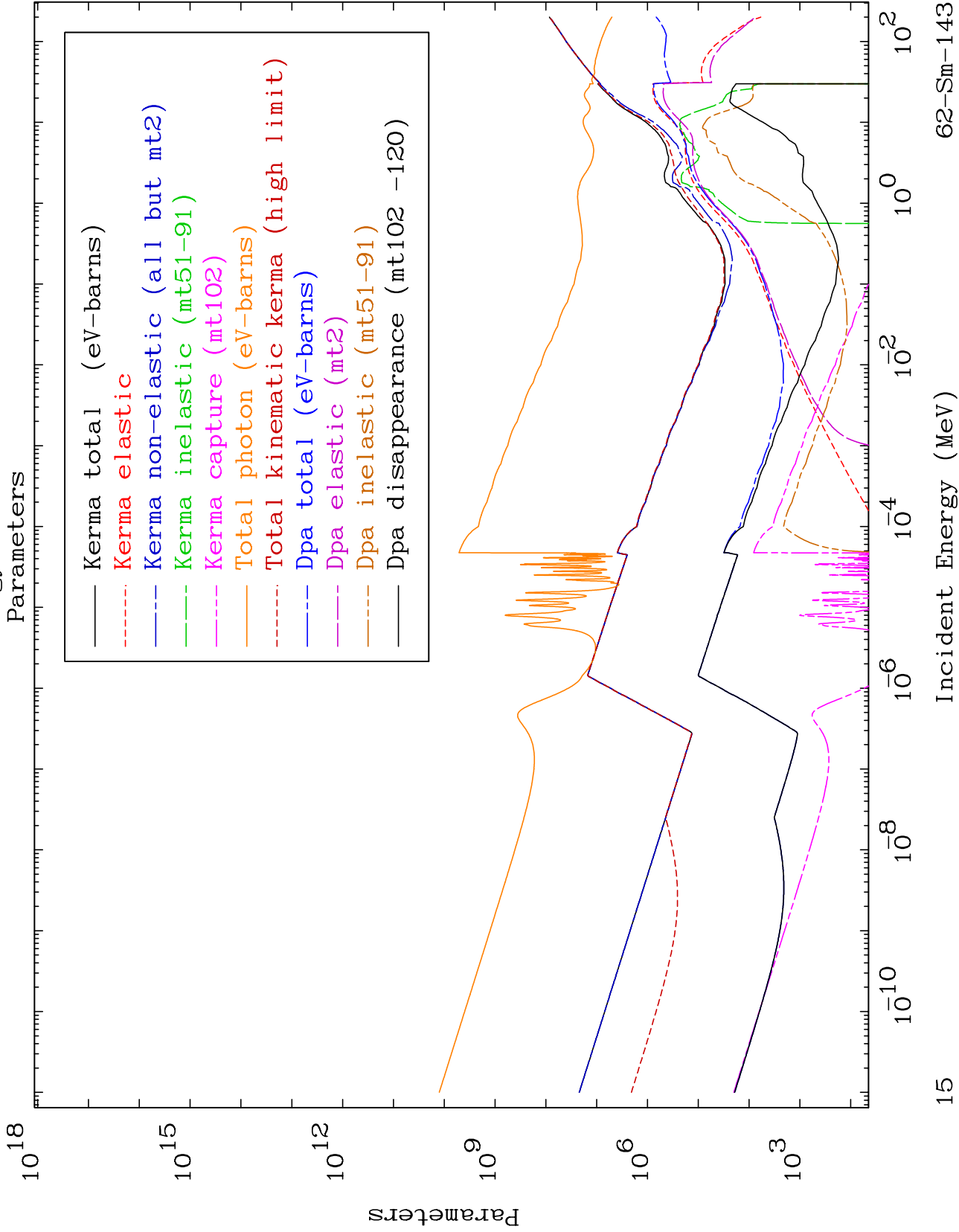


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(n,α) Levels
293 Kelvin Cross Sections

62-Sm-143

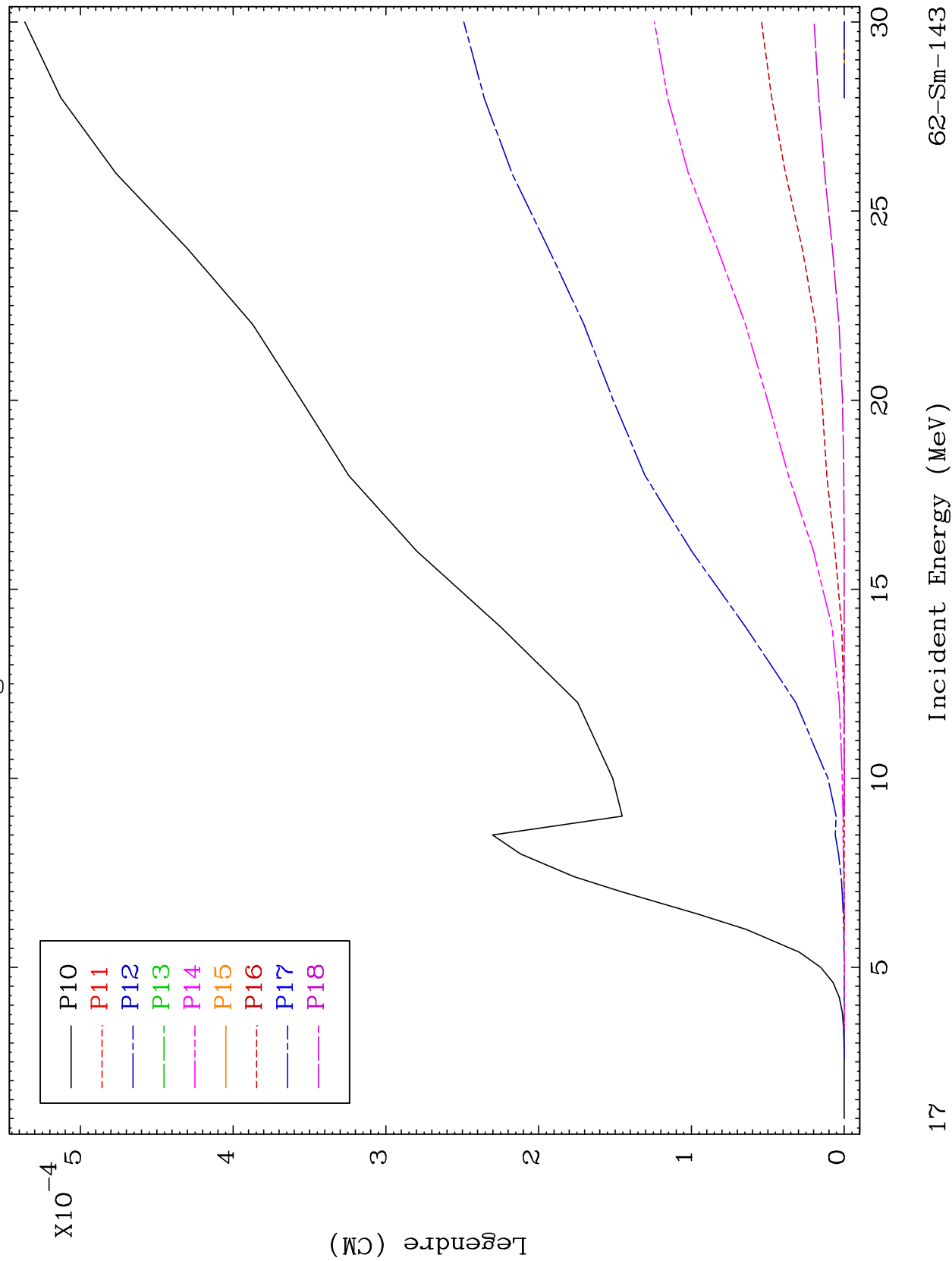




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Elastic Legendre Coefficients

62-Sm-143



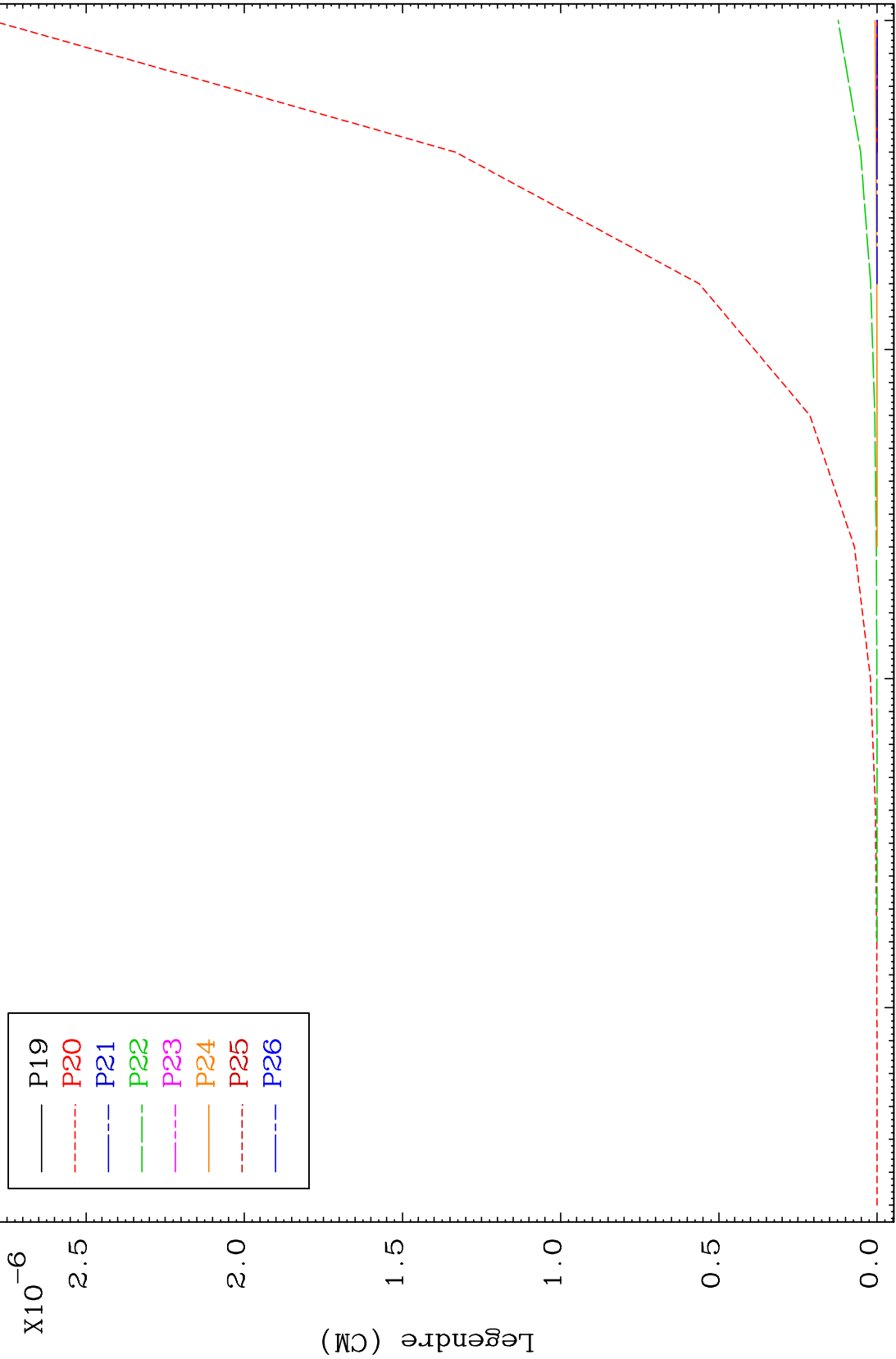
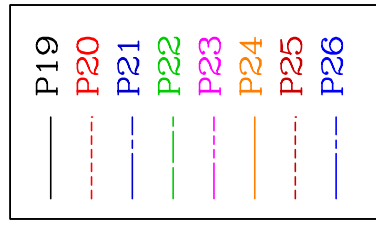
17

62-Sm-143

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Elastic Legendre Coefficients

62-Sm-143



18

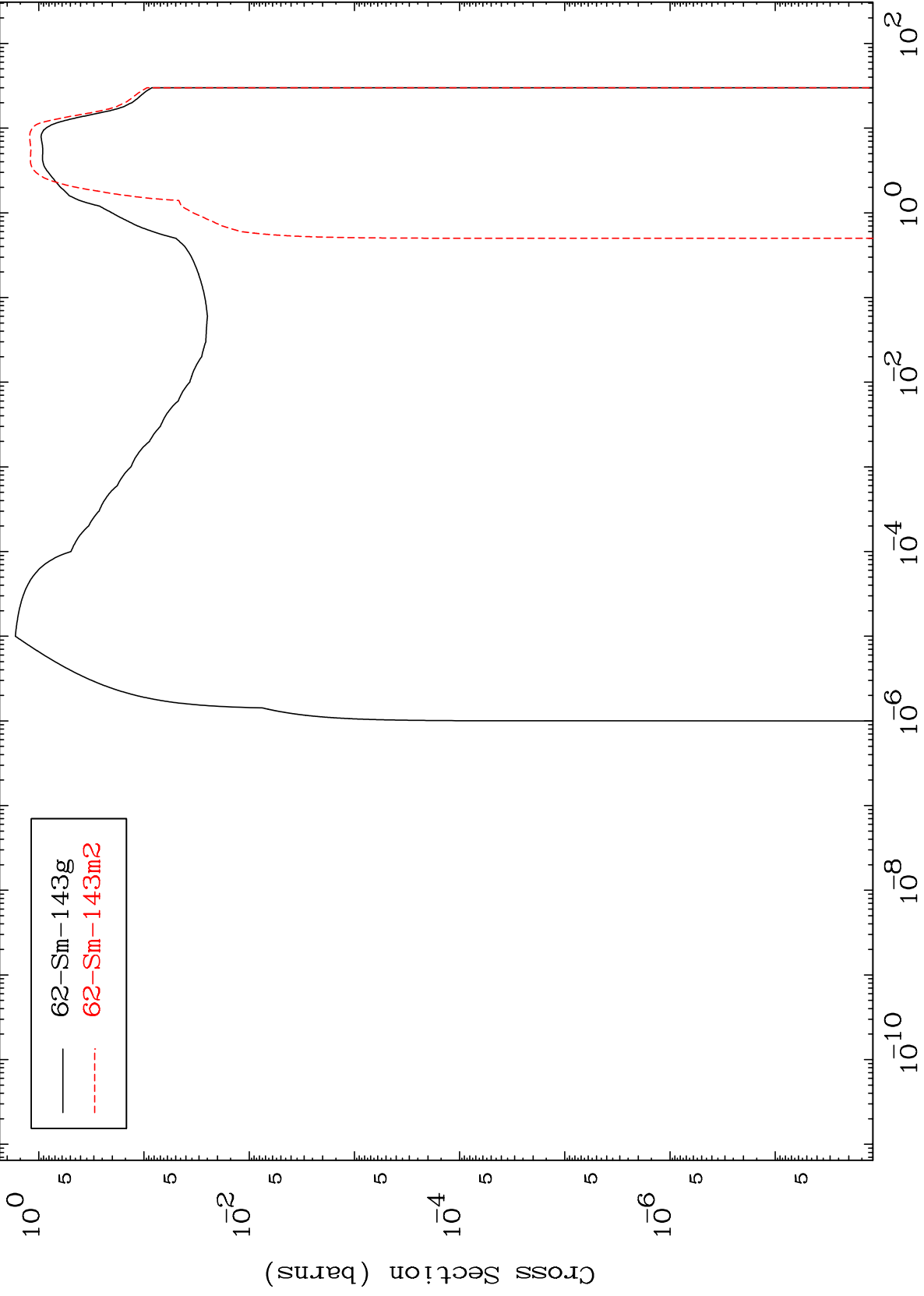
Incident Energy (MeV)

62-Sm-143

MAT 6223

62-Sm-143

Inelastic Radionuclide Production Cross Section

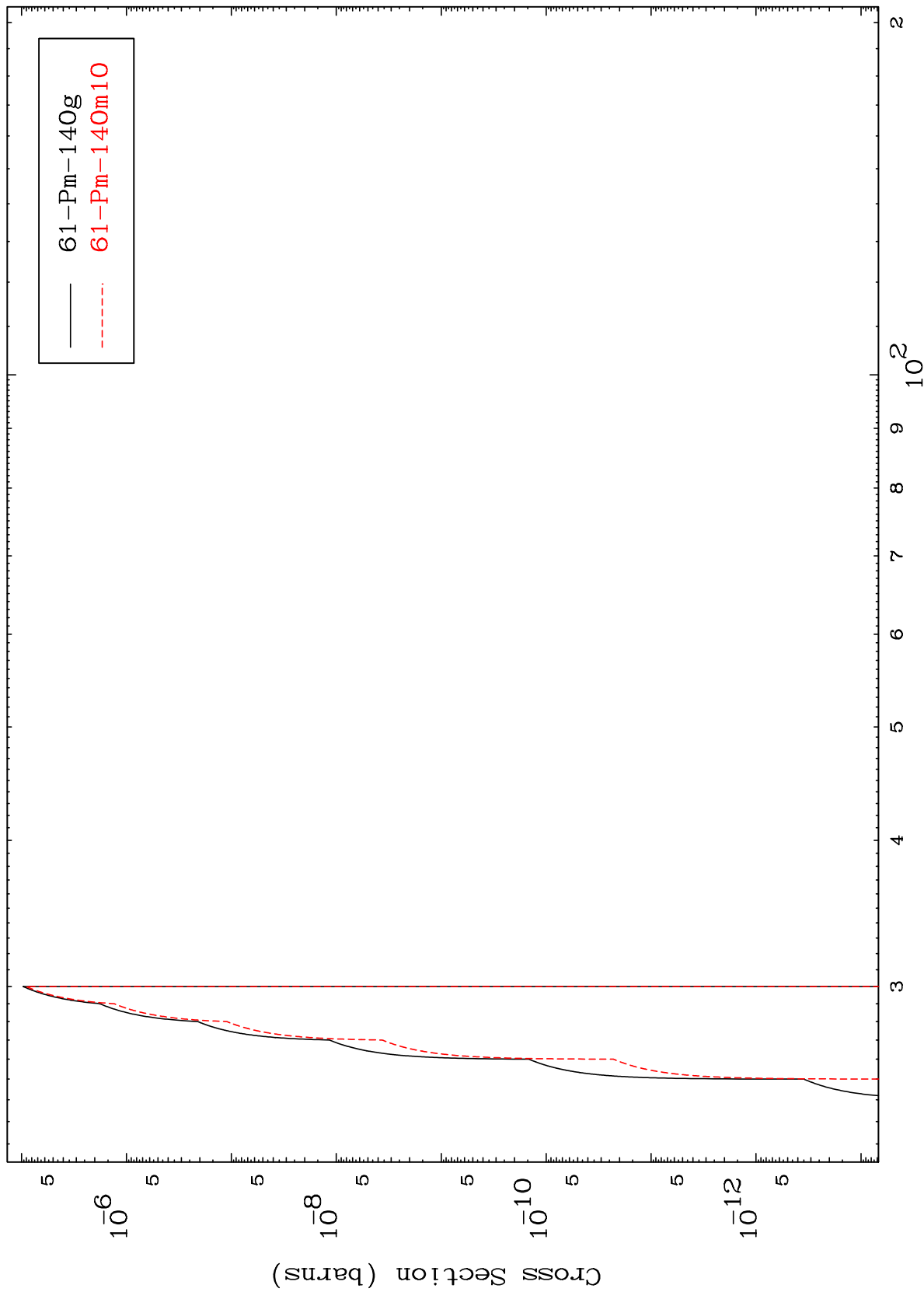


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(n,2n) d

62-Sm-143

Radionuclide Production Cross Section



20

Incident Energy (MeV)

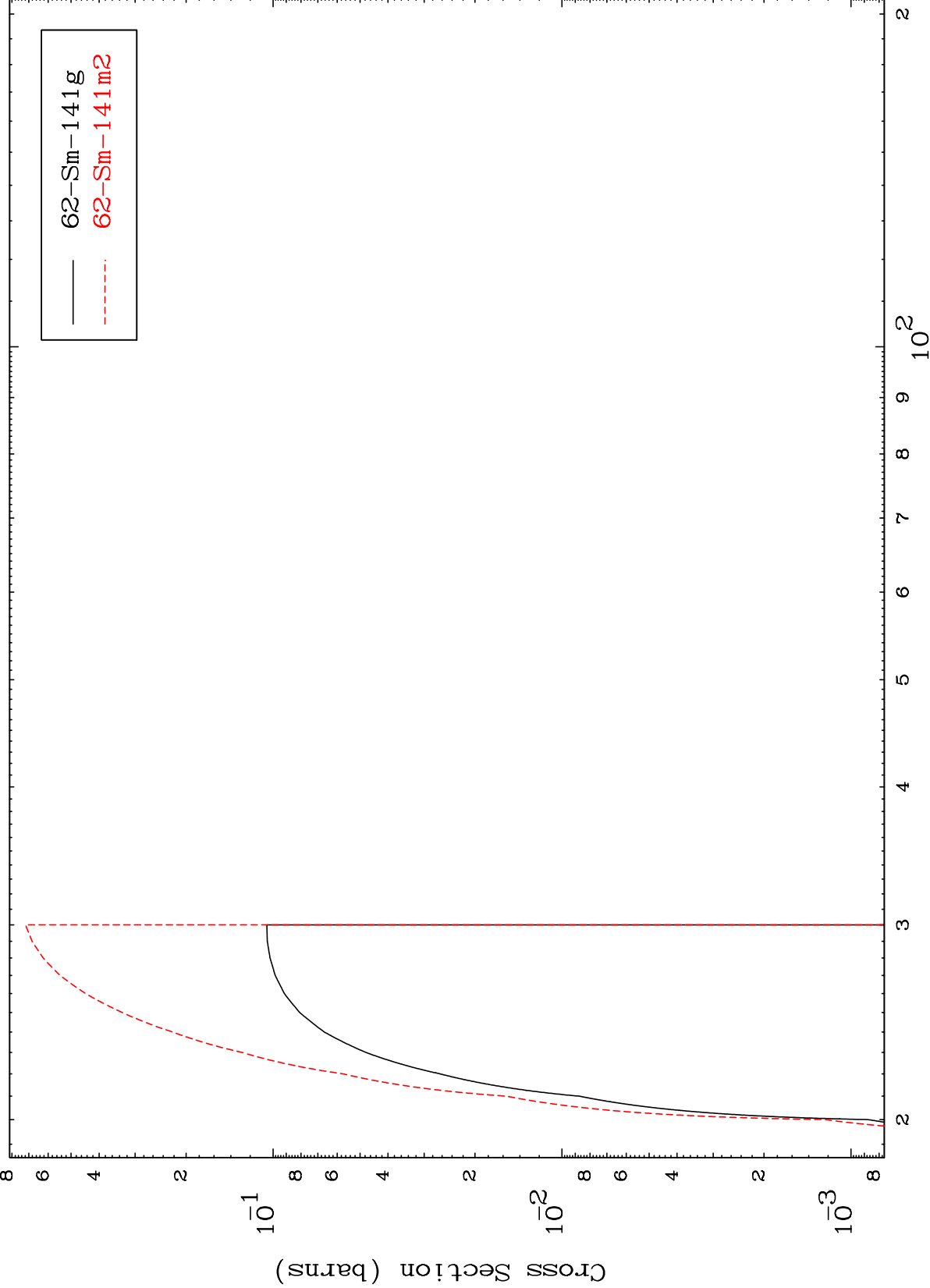
62-Sm-143

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(n,3n)

62-Sm-143

Radionuclide Production Cross Section

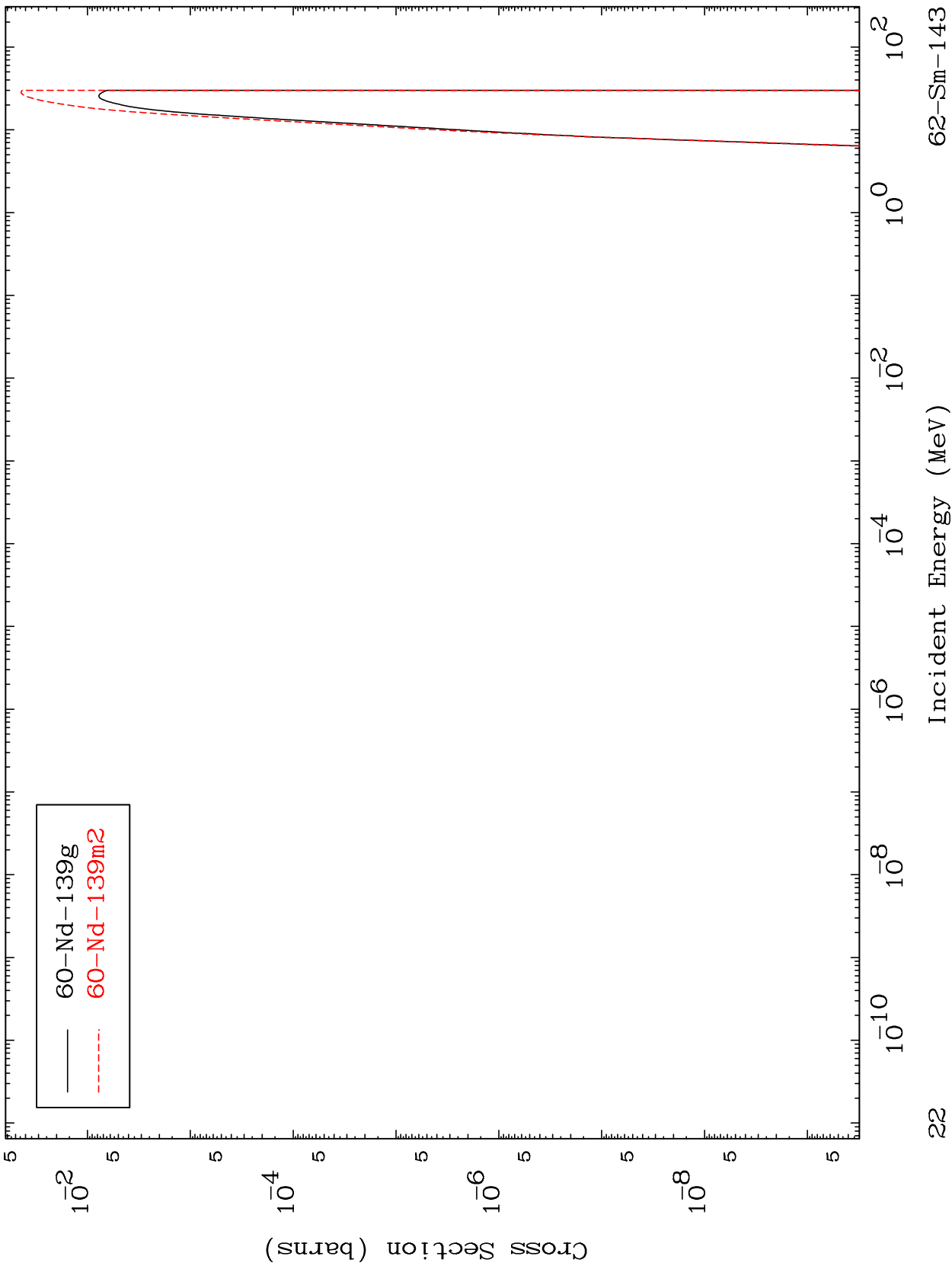


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$(n, n') \alpha$

62-Sm-143

Radionuclide Production Cross Section

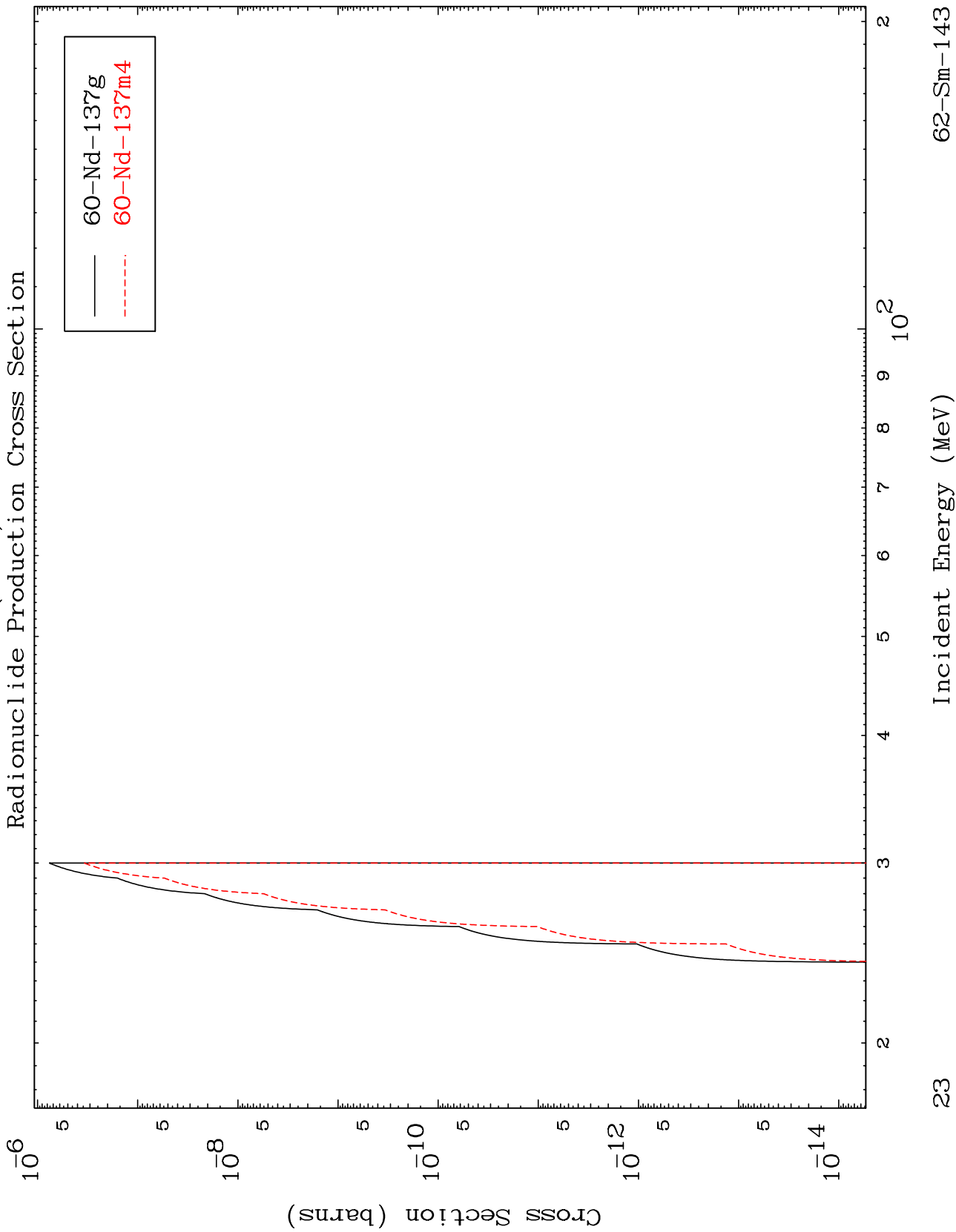


60-Nd-139g
60-Nd-139m2

MAT 6223

$(n,3n) \alpha$

62-Sm-143



23

Incident Energy (MeV)

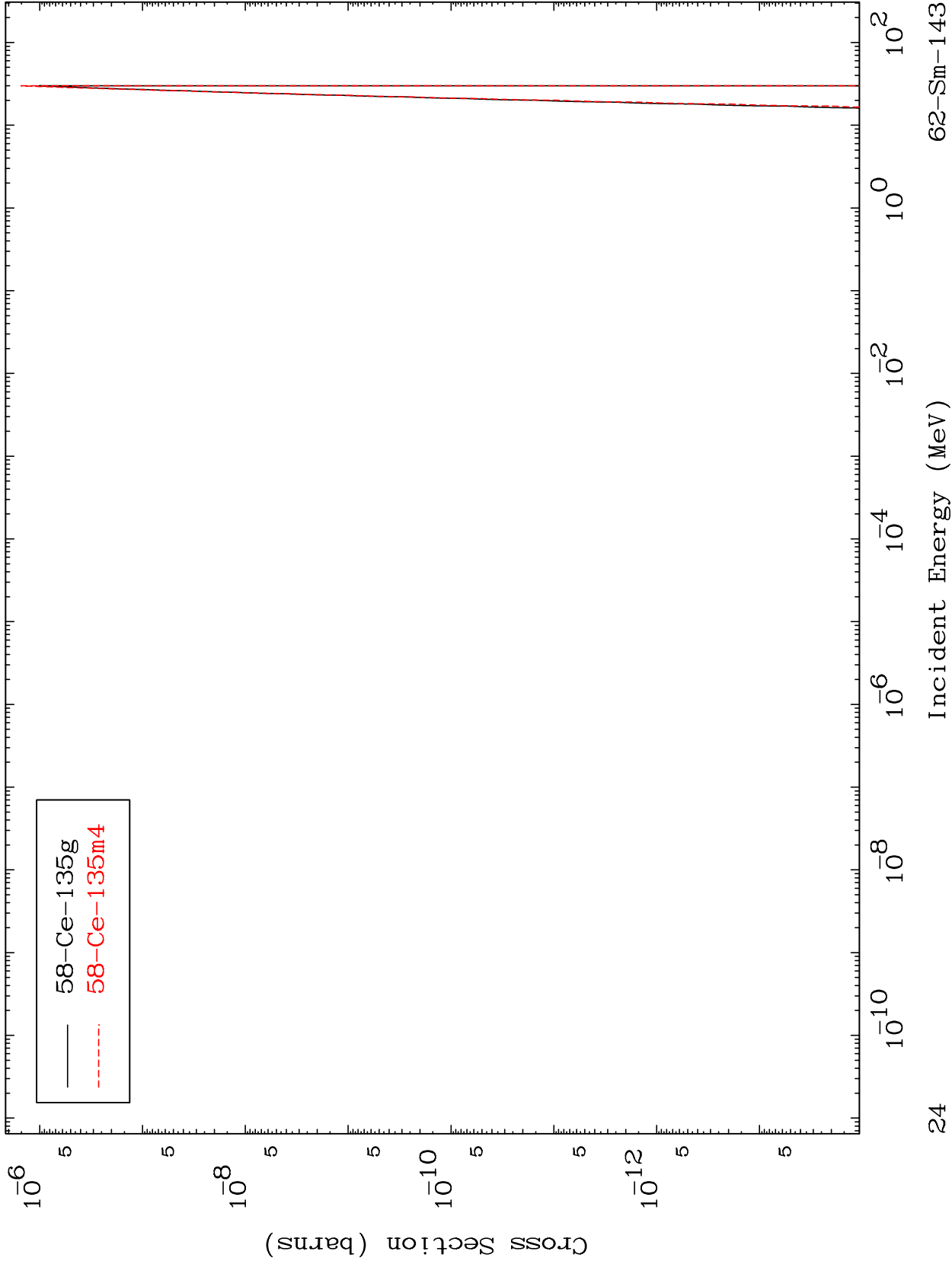
62-Sm-143

MAT 6223

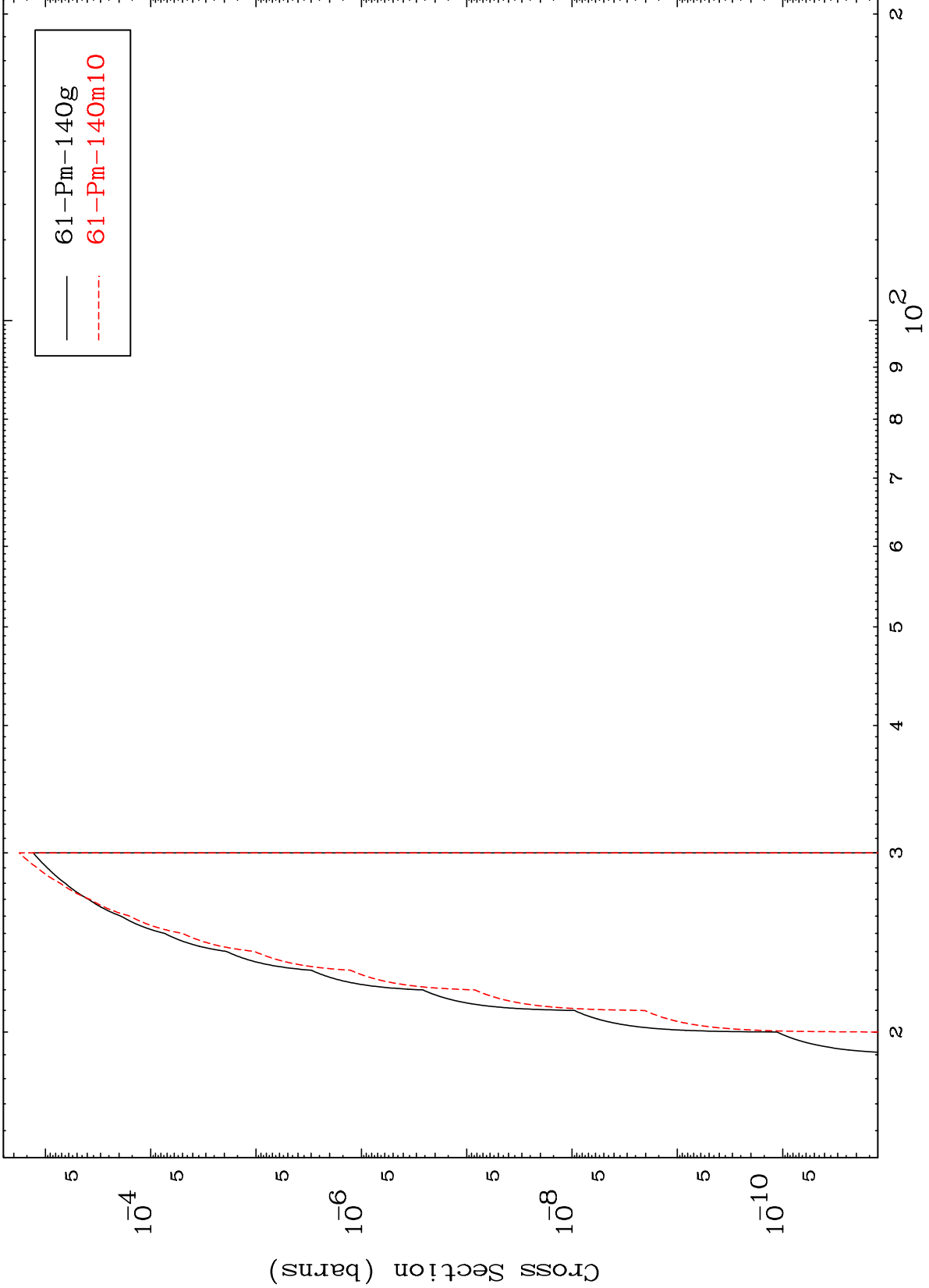
(n,n') 2 α

62-Sm-143

Radionuclide Production Cross Section



Radionuclide Production Cross Section

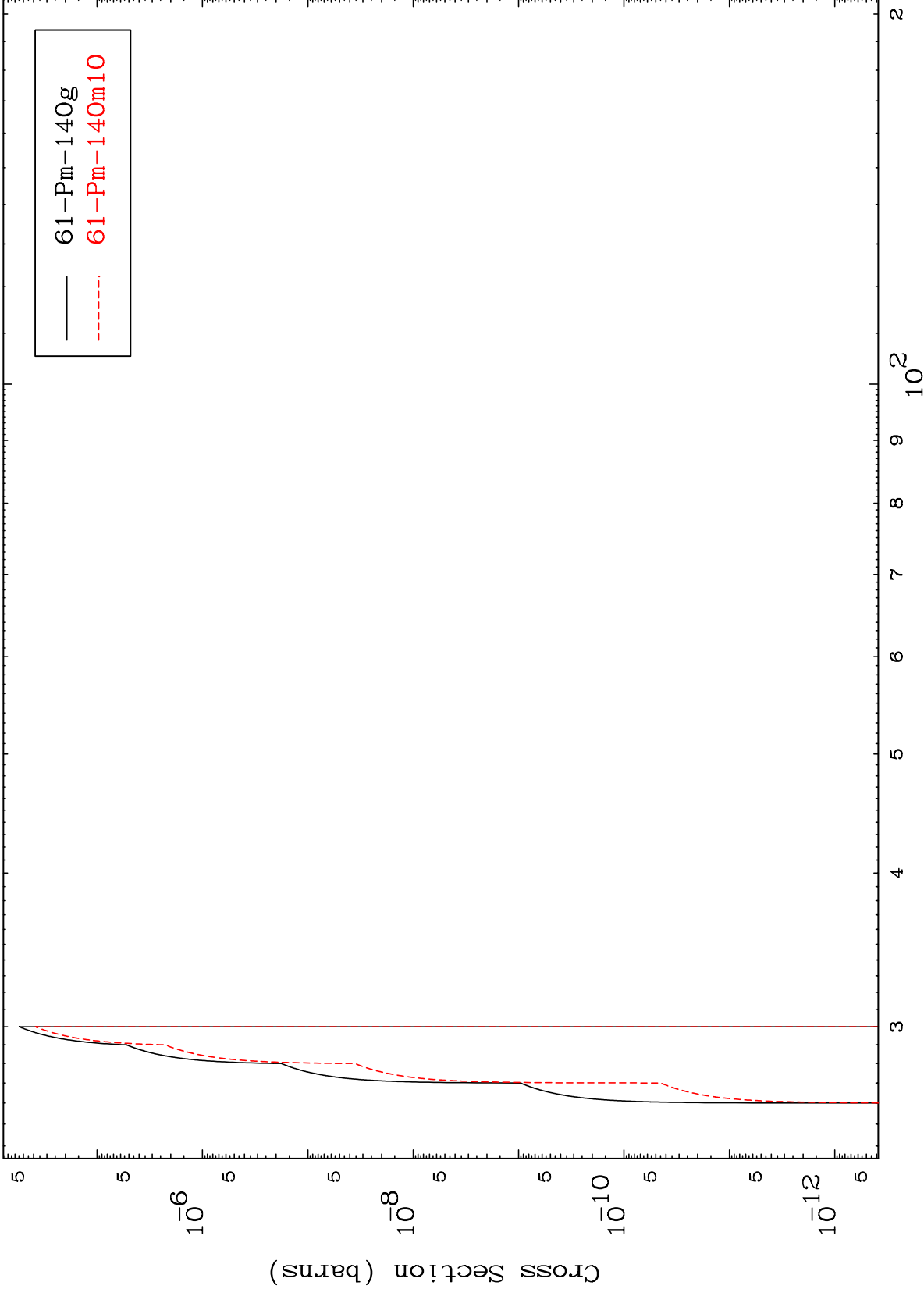


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(n,3n) p

62-Sm-143

Radionuclide Production Cross Section



26

Incident Energy (MeV)

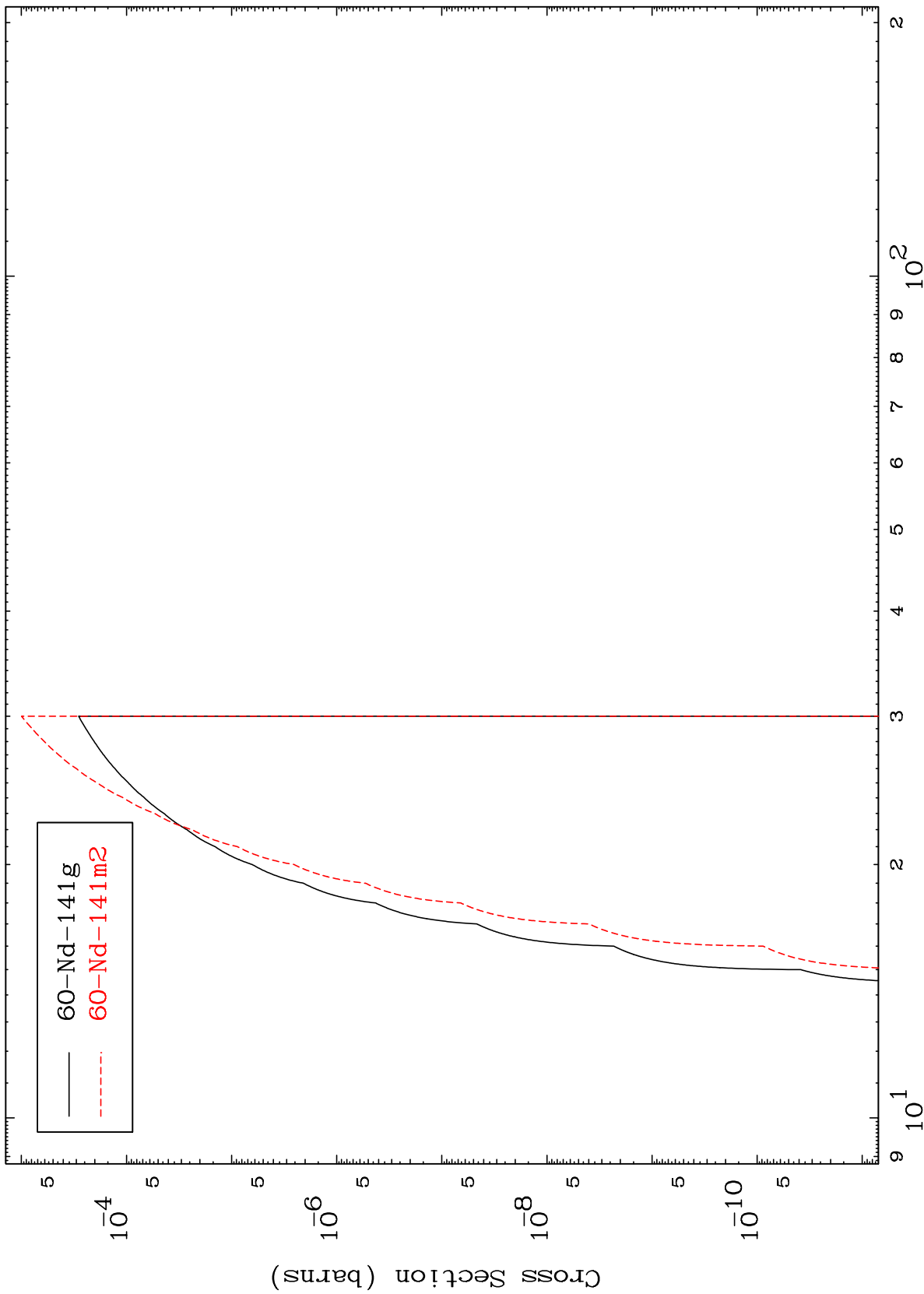
62-Sm-143

MAT 6223

(n,2n) p

62-Sm-143

Radionuclide Production Cross Section



27

Incident Energy (MeV)

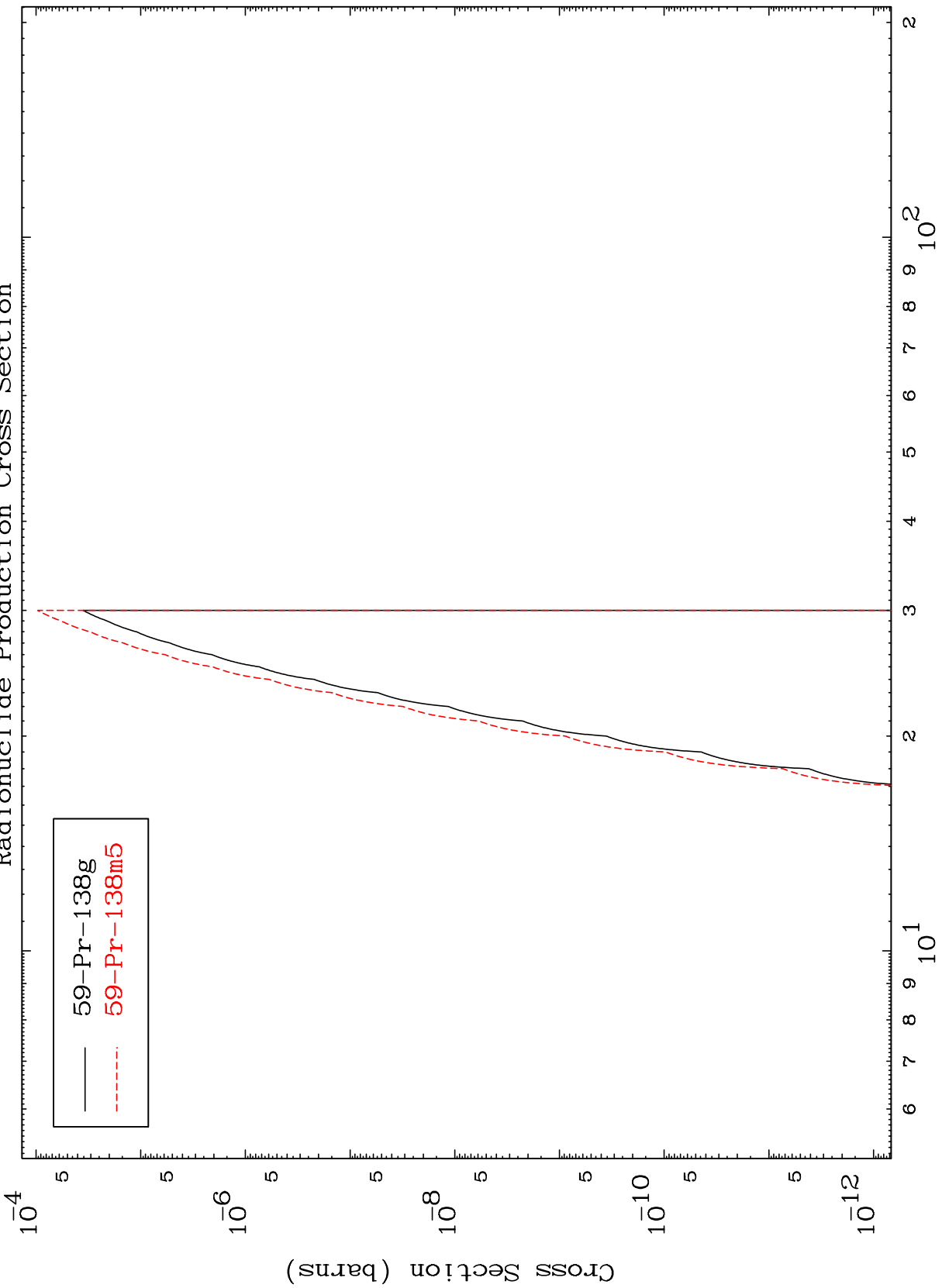
62-Sm-143

MAT 6223

(n,n') p α

62-Sm-143

Radionuclide Production Cross Section



59-Pr-138g
59-Pr-138m5

28

Incident Energy (MeV)

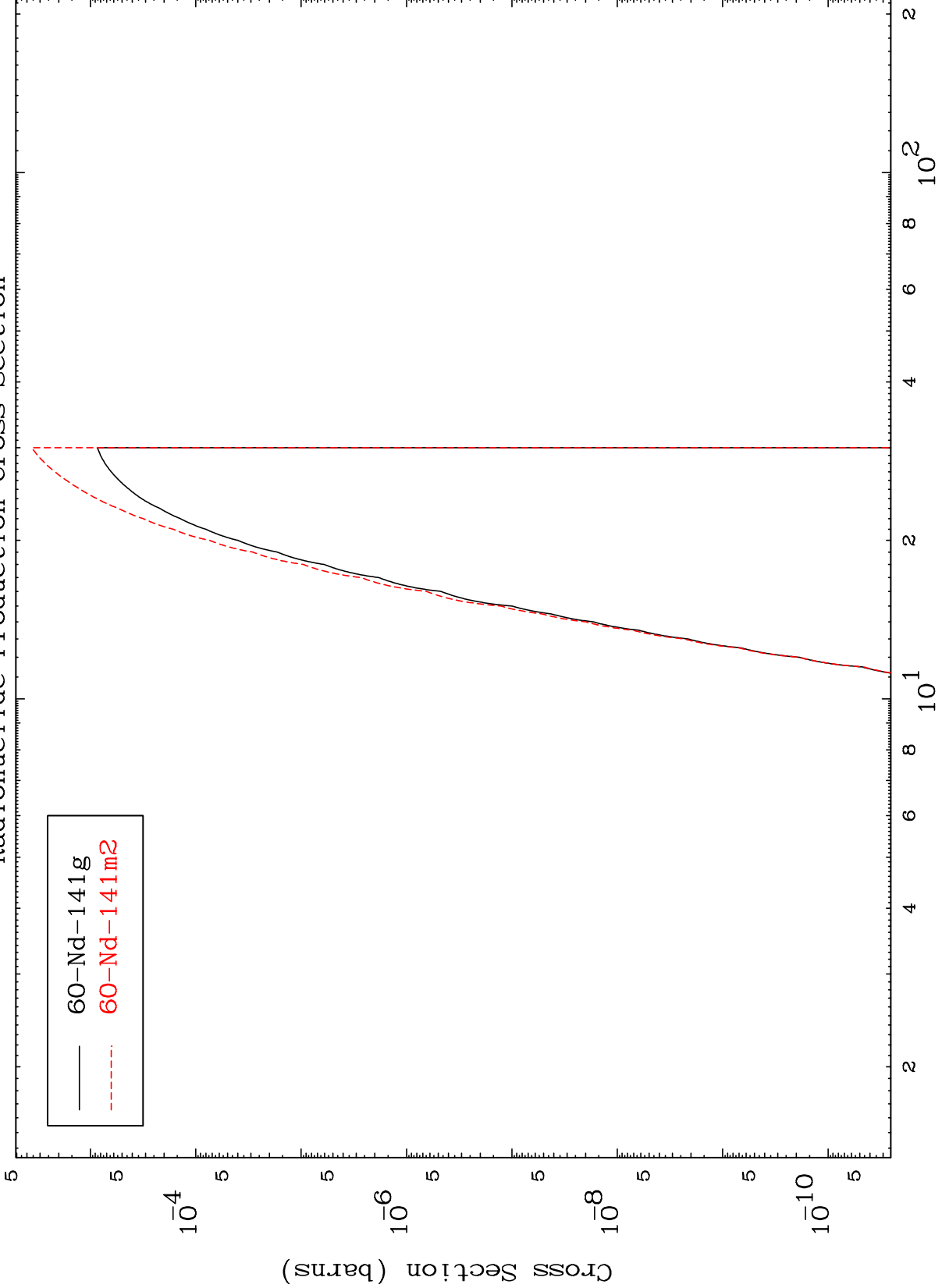
62-Sm-143

MAT 6223

(n,He-3)

62-Sm-143

Radionuclide Production Cross Section



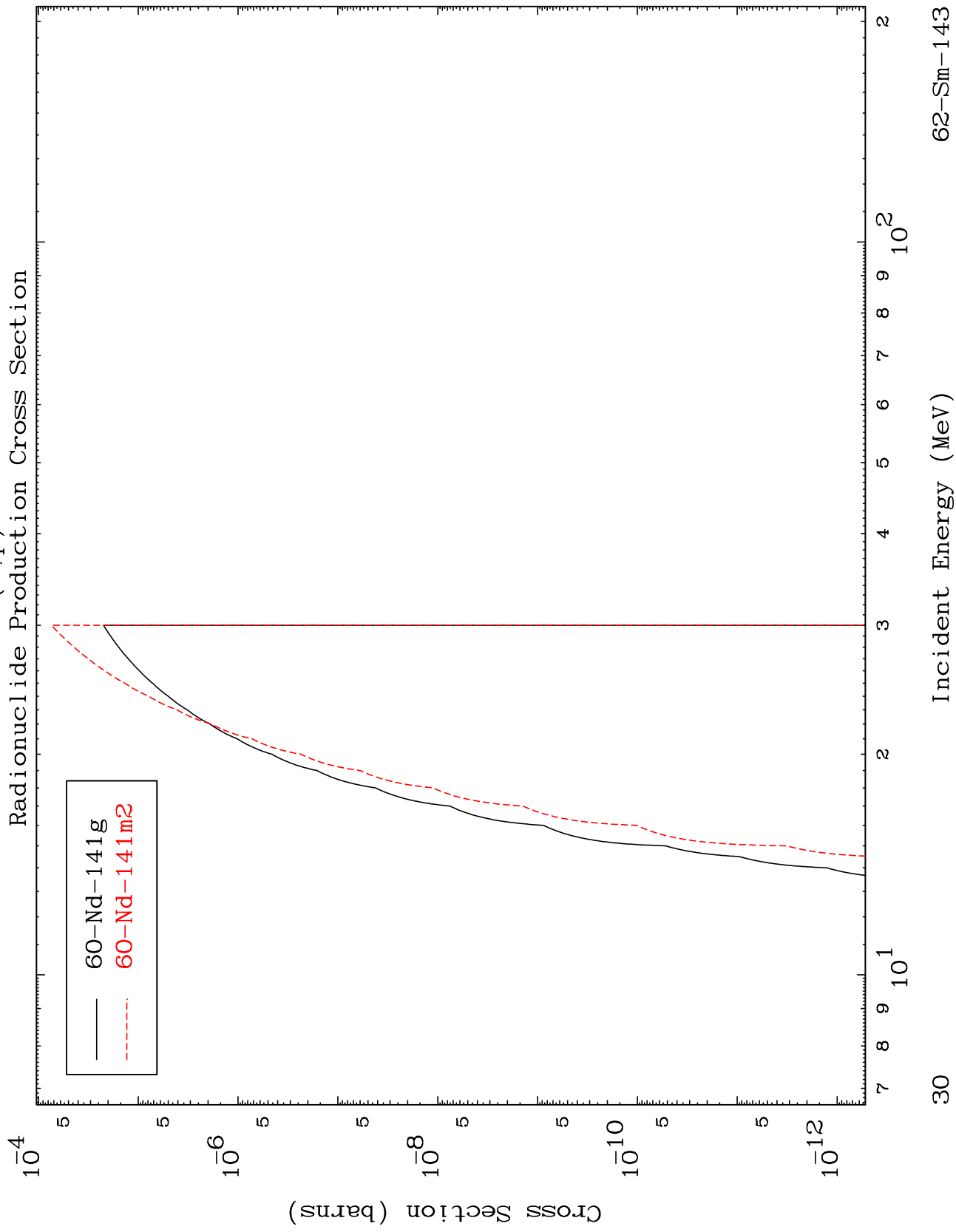
29

62-Sm-143

MAT 6223

(n,p) d

62-Sm-143

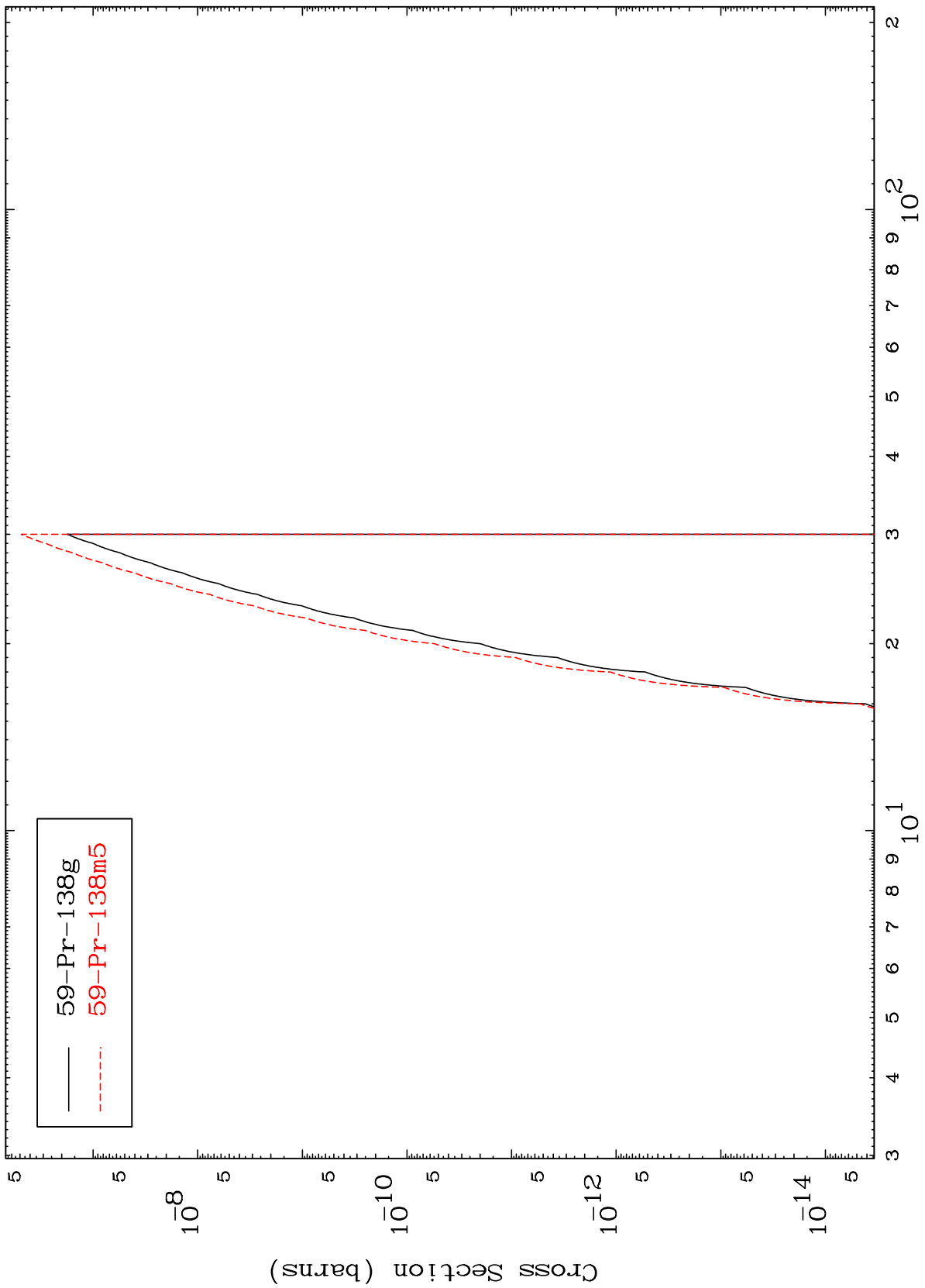


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(n,d) α

62-Sm-143

Radionuclide Production Cross Section



31

Incident Energy (MeV)

62-Sm-143