

Program EVALPLOT
(Version 2015-2)

by

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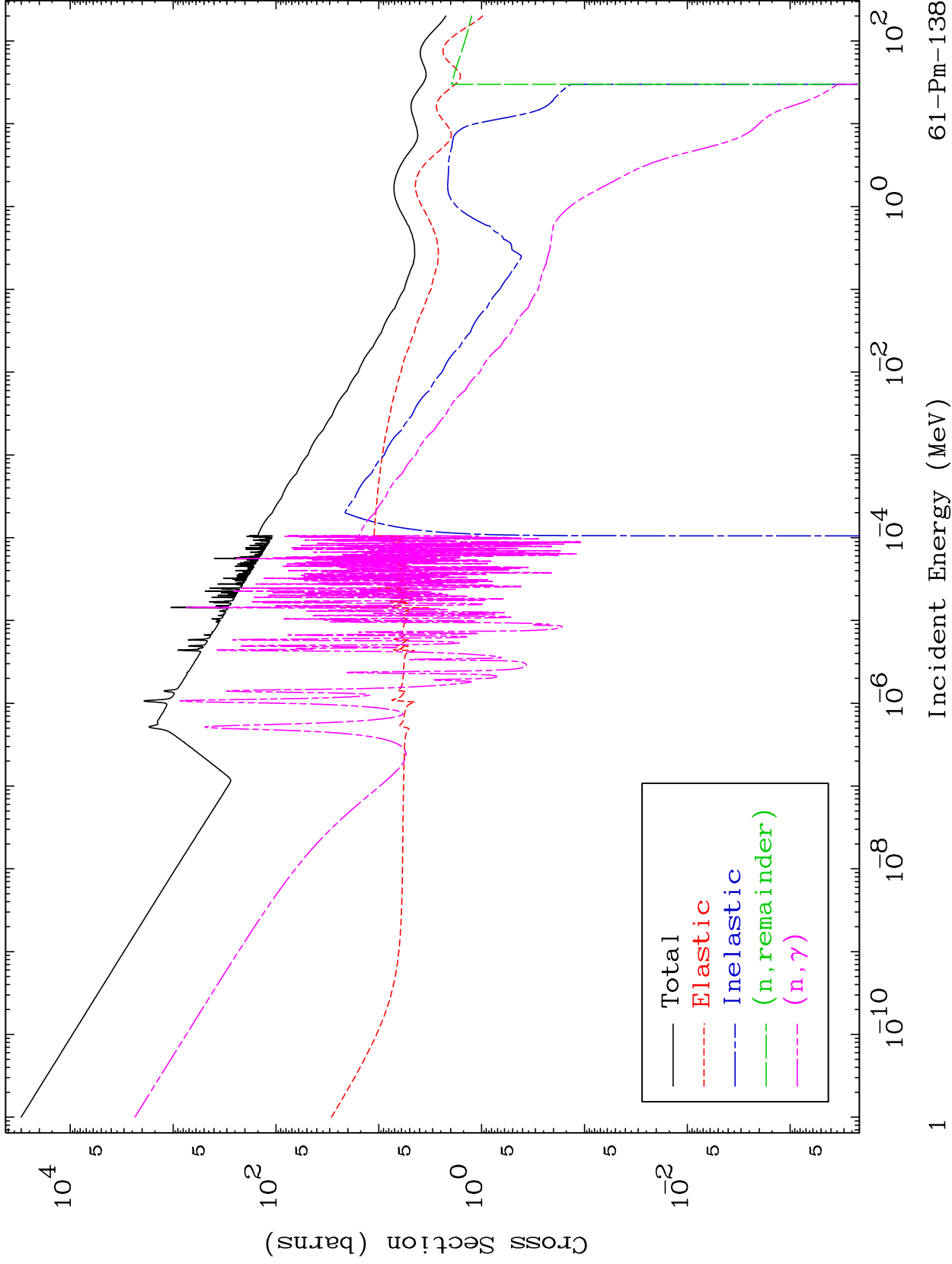
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 6123

Major
293 Kelvin Cross Sections

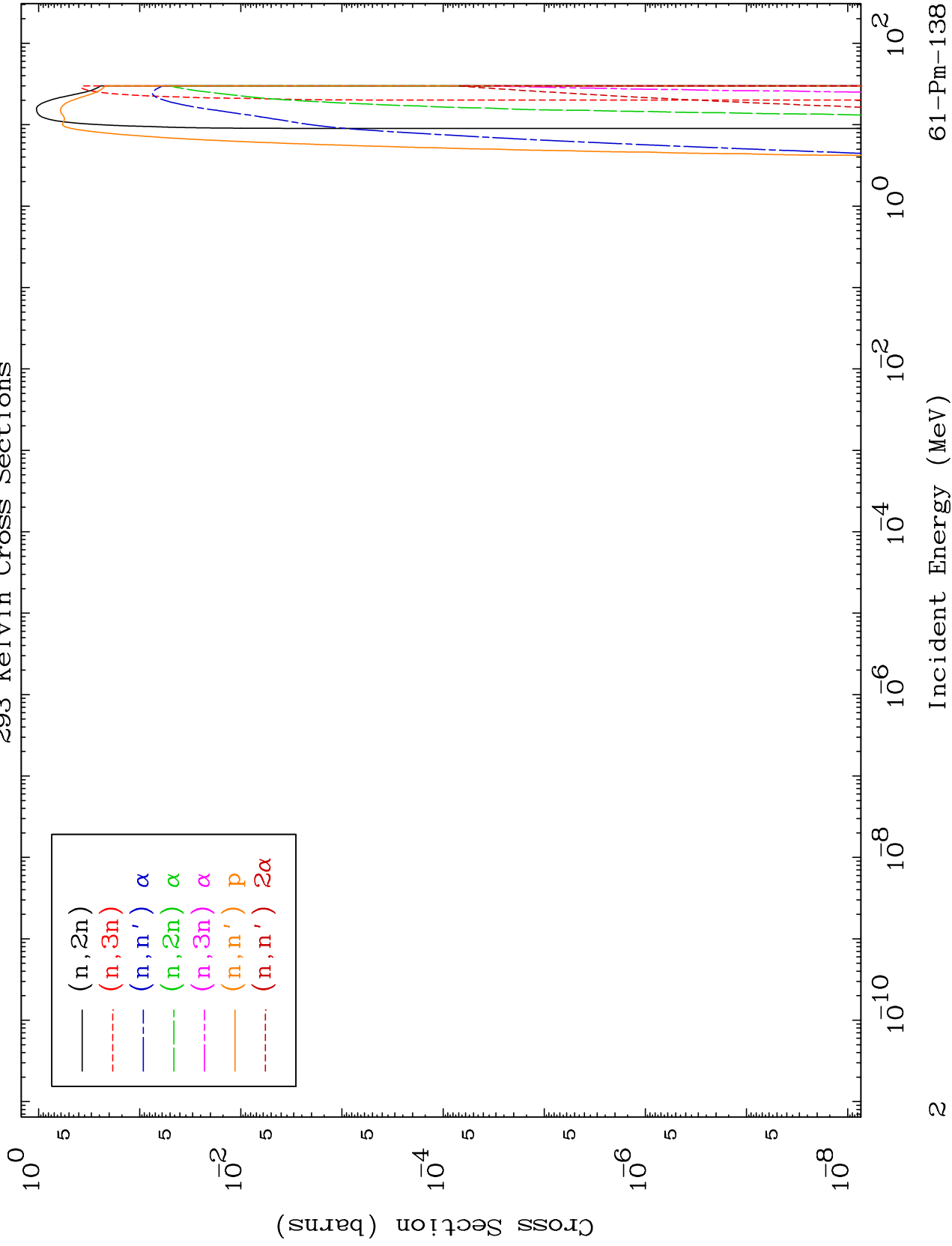
61-Pm-138

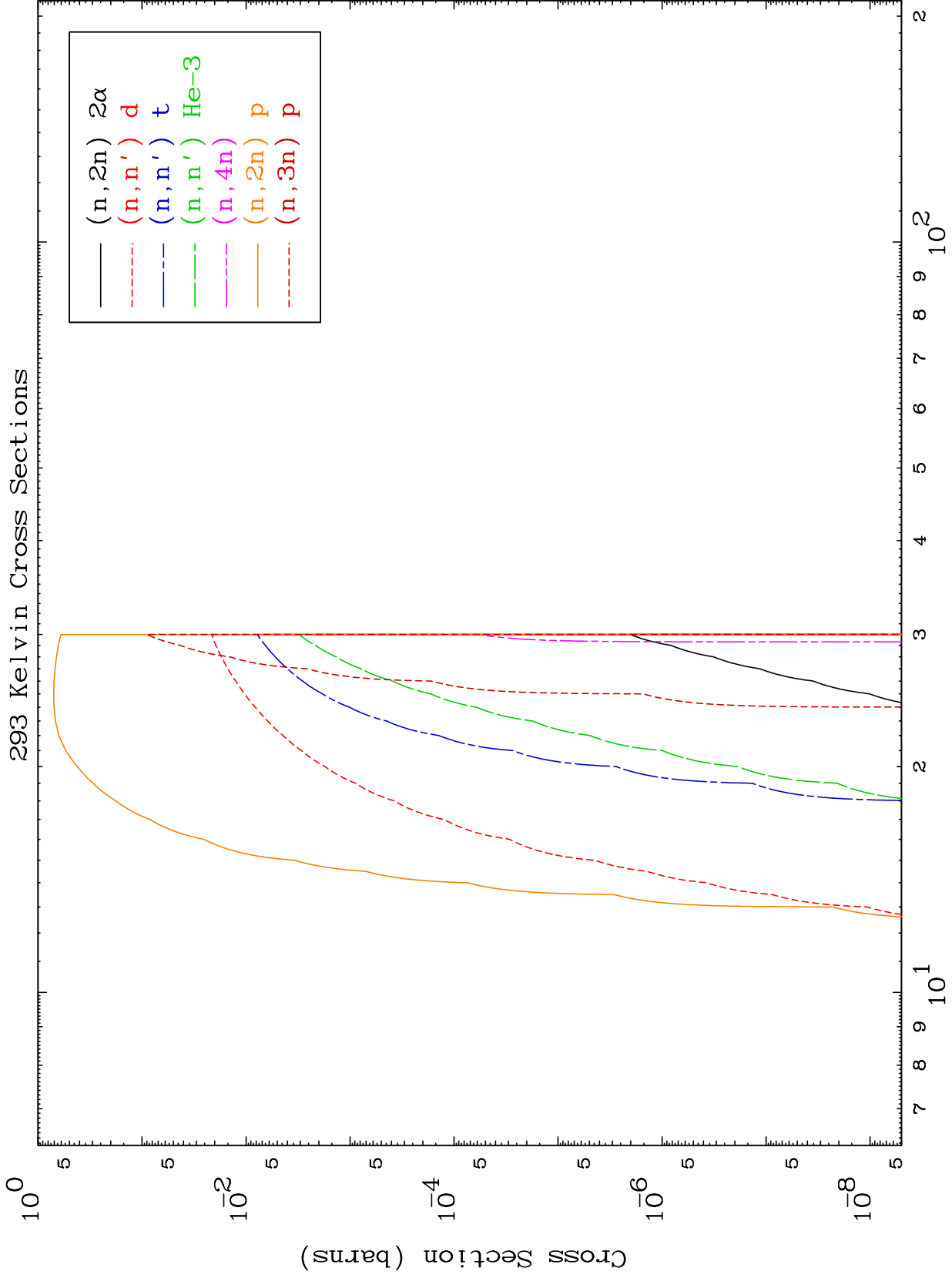


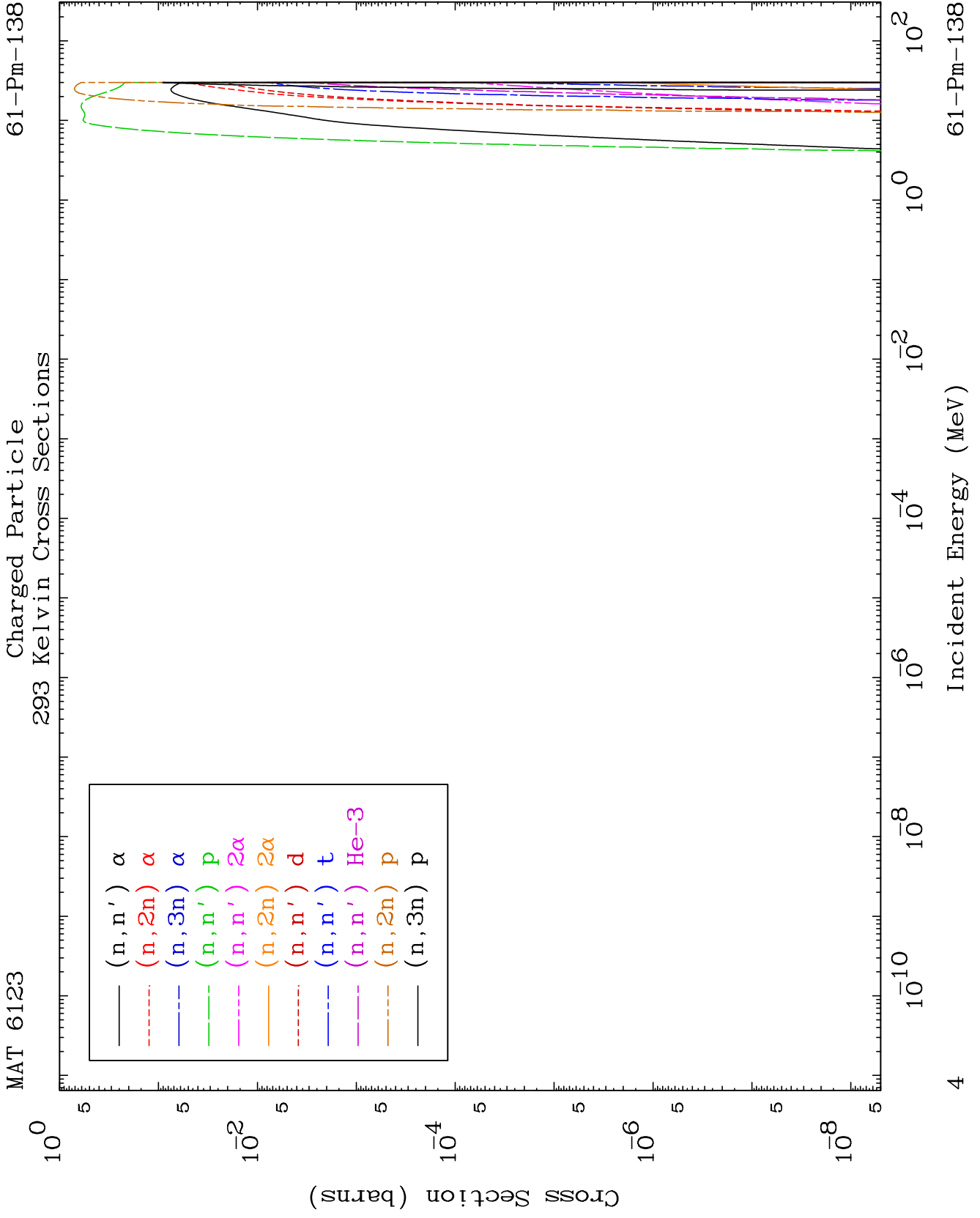
MAT 6123

Neutron Production
293 Kelvin Cross Sections

61-Pm-138



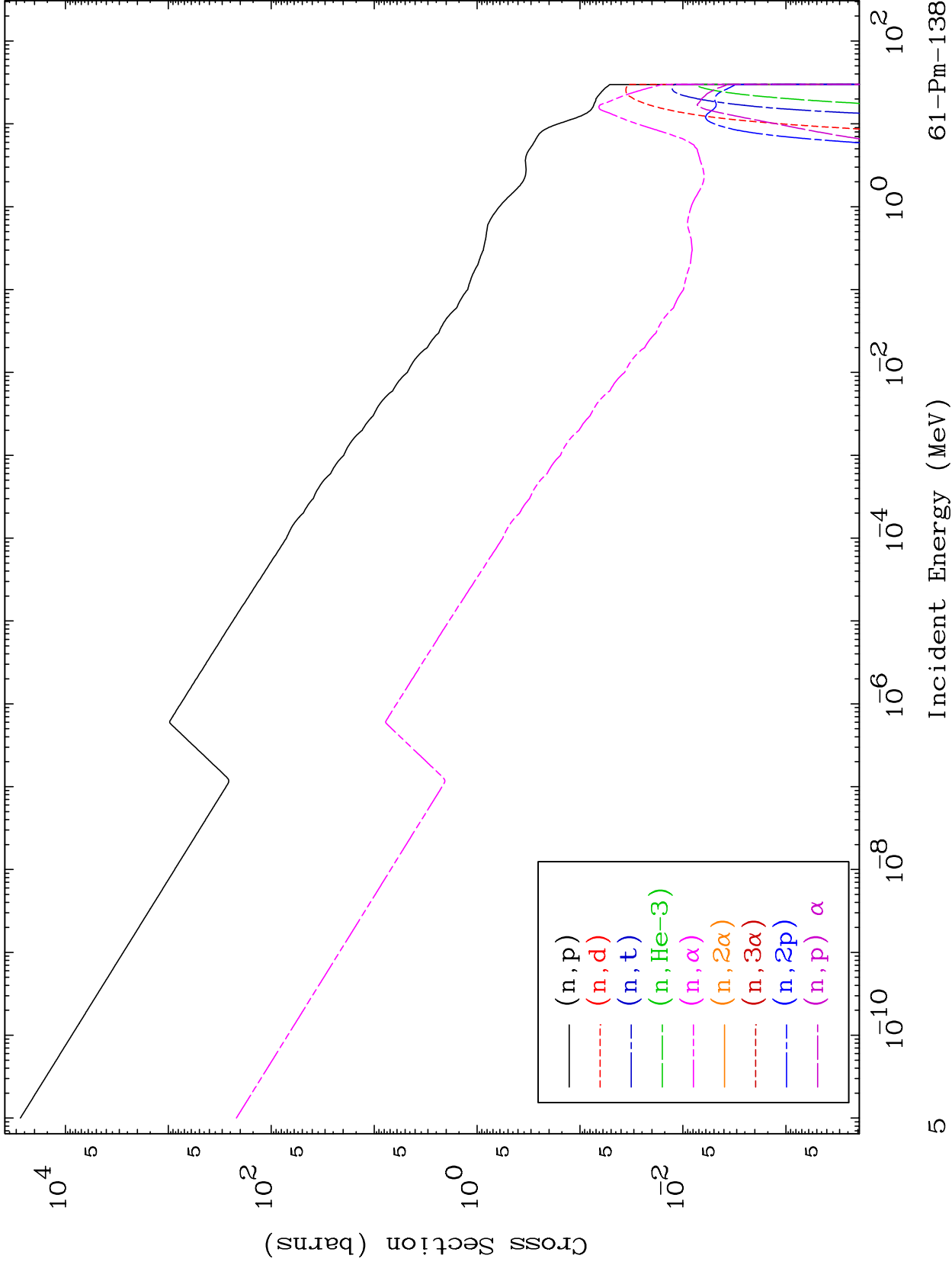




MAT 6123

Charged Particle
293 Kelvin Cross Sections

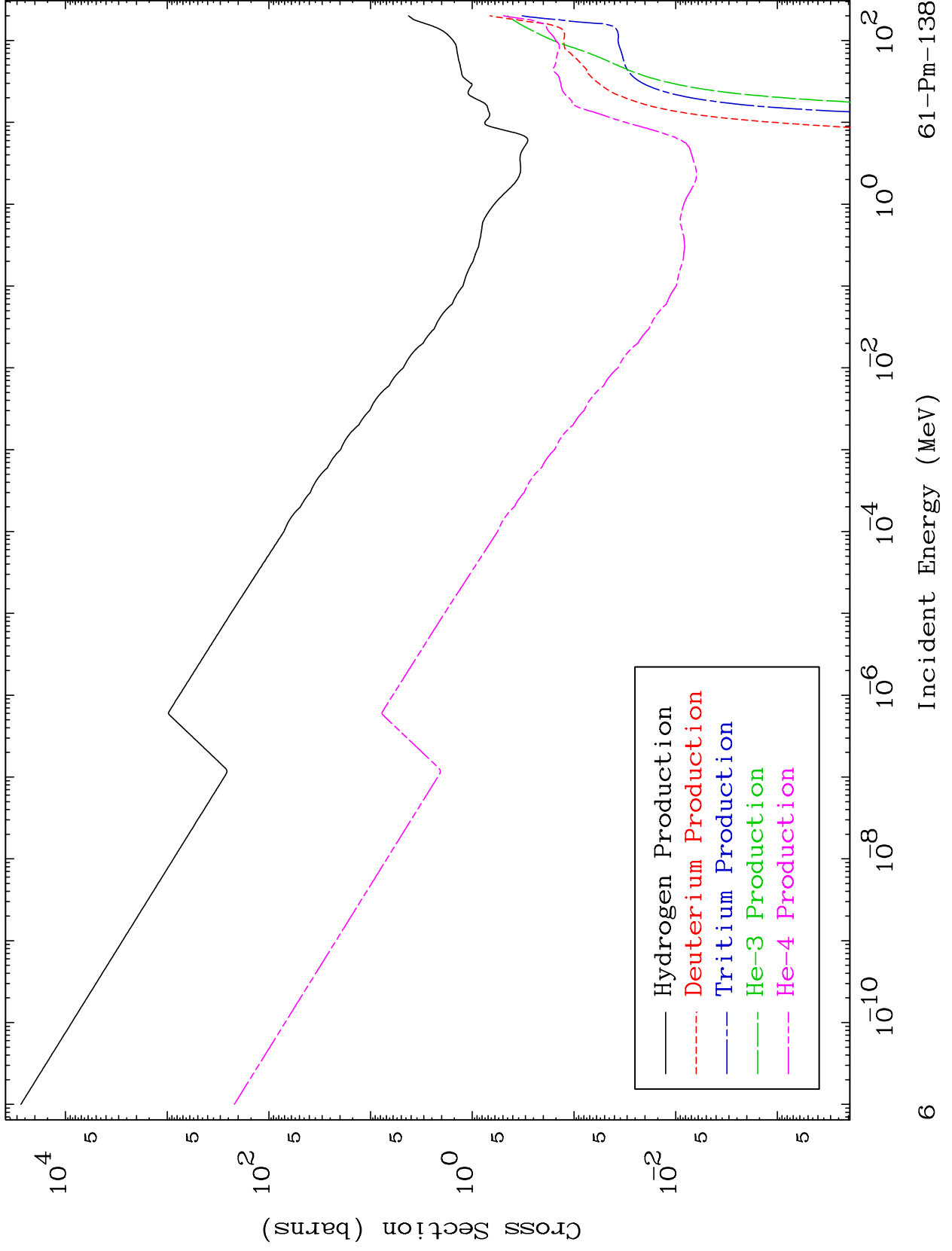
61-Pm-138



MAT 6123

Particle Production
293 Kelvin Cross Sections

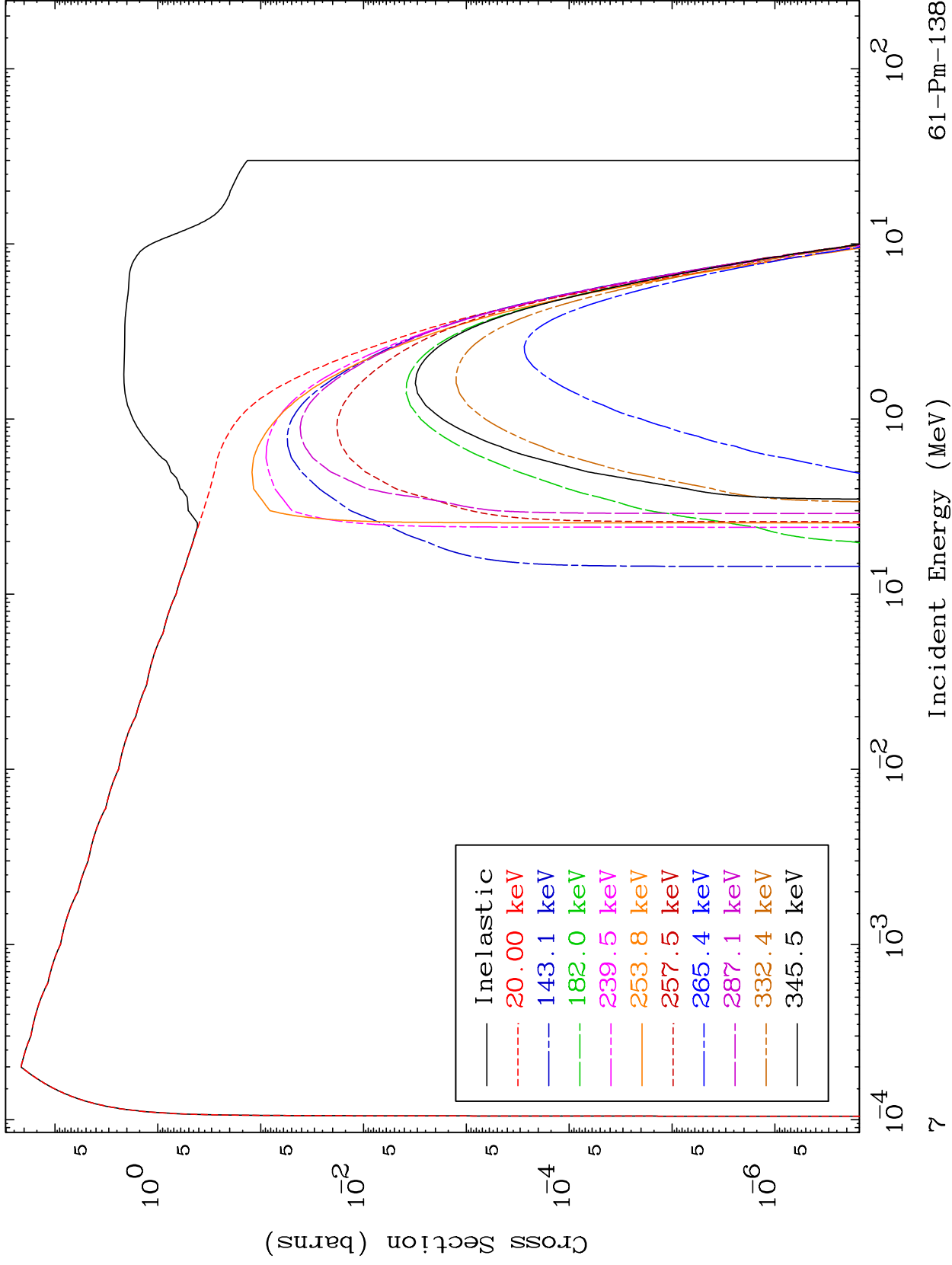
61-Pm-138



MAT 6123

(n,n') Level
293 Kelvin Cross Sections

61-Pm-138



61-Pm-138

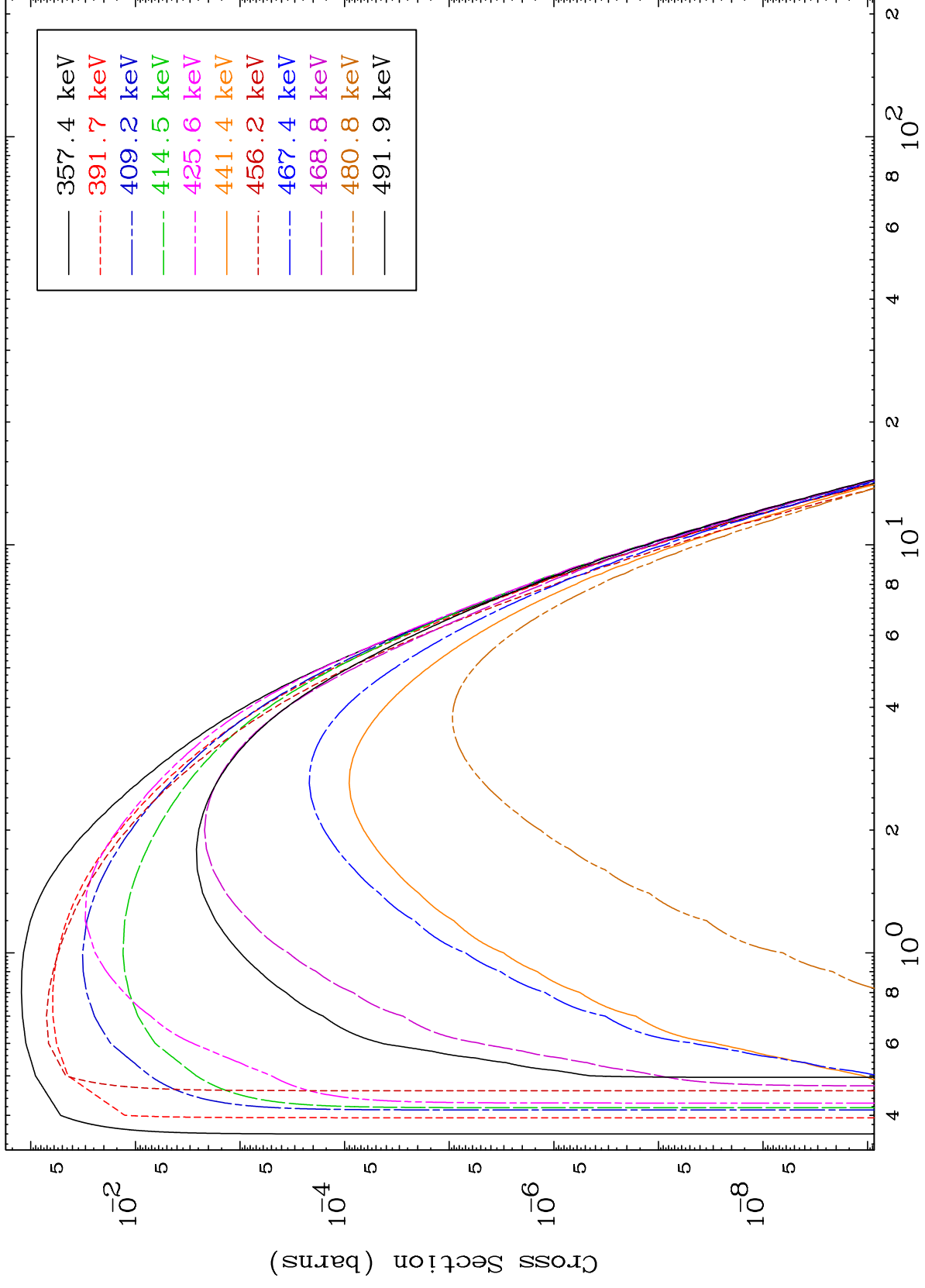
Incident Energy (MeV)

MAT 6123

(n,n') Level

61-Pm-138

293 Kelvin Cross Sections



8

Incident Energy (MeV)

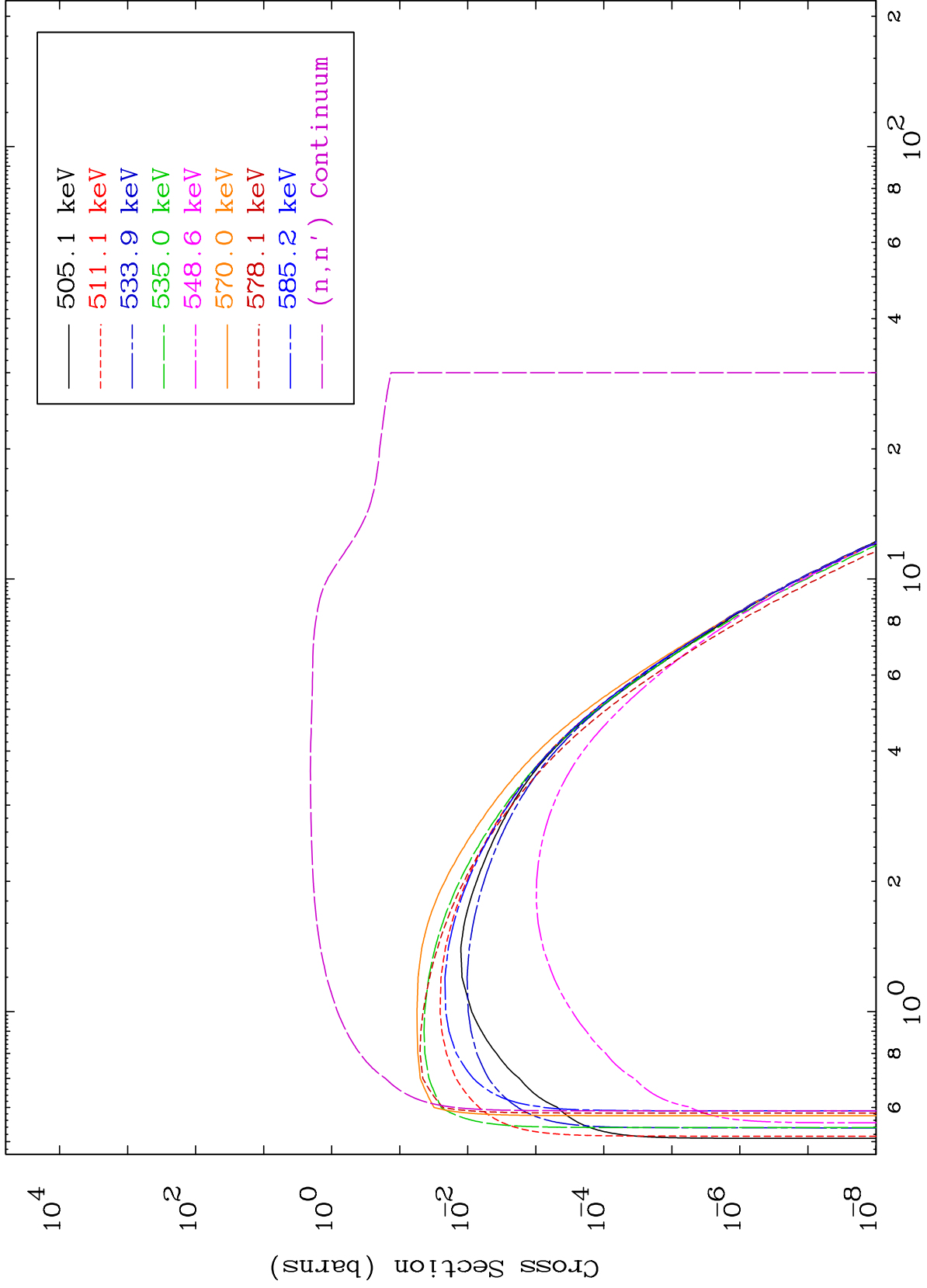
61-Pm-138

MAT 6123

(n,n') Level

61-Pm-138

293 Kelvin Cross Sections



9

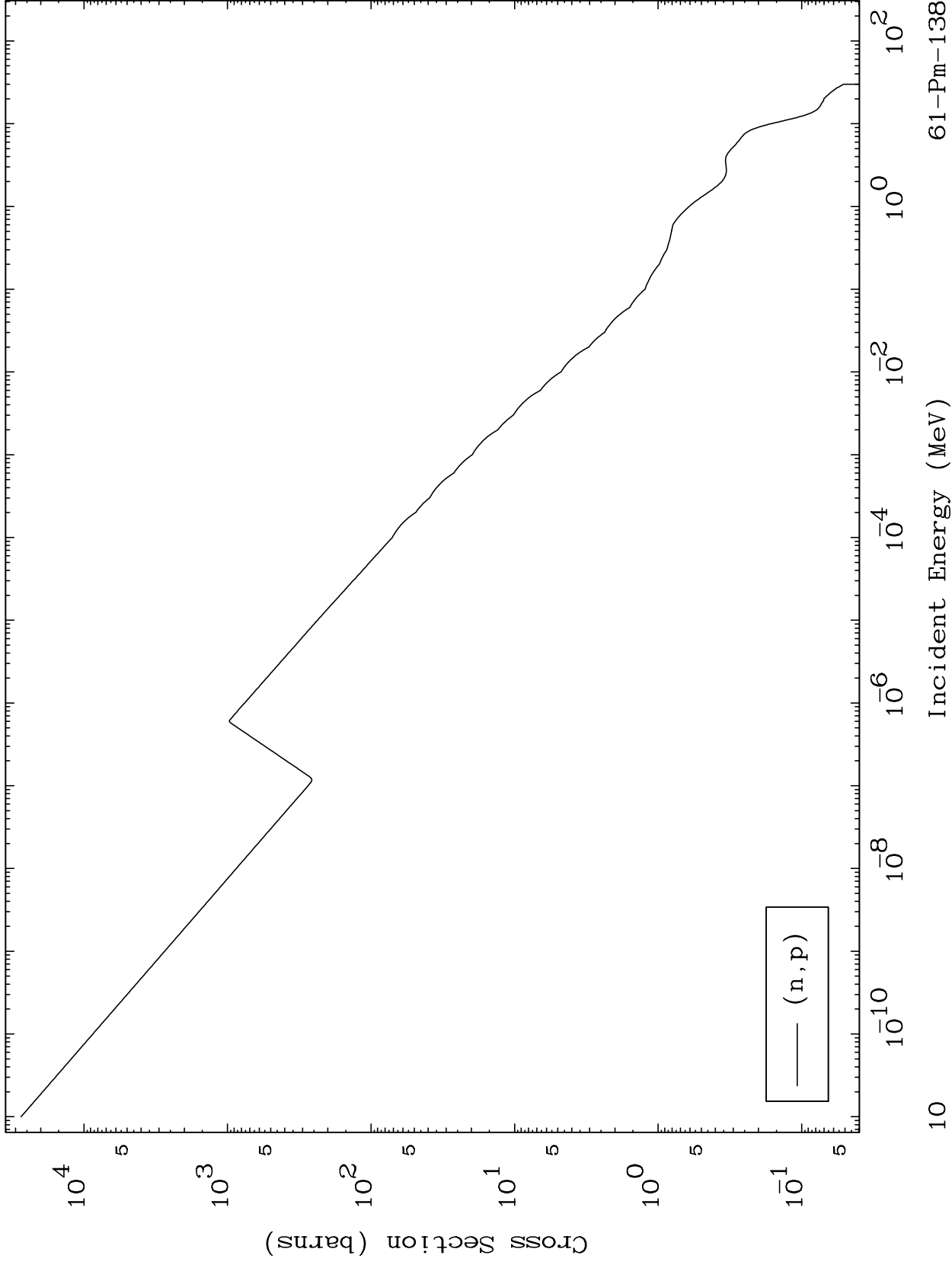
Incident Energy (MeV)

61-Pm-138

MAT 6123

(n,p) Levels
293 Kelvin Cross Sections

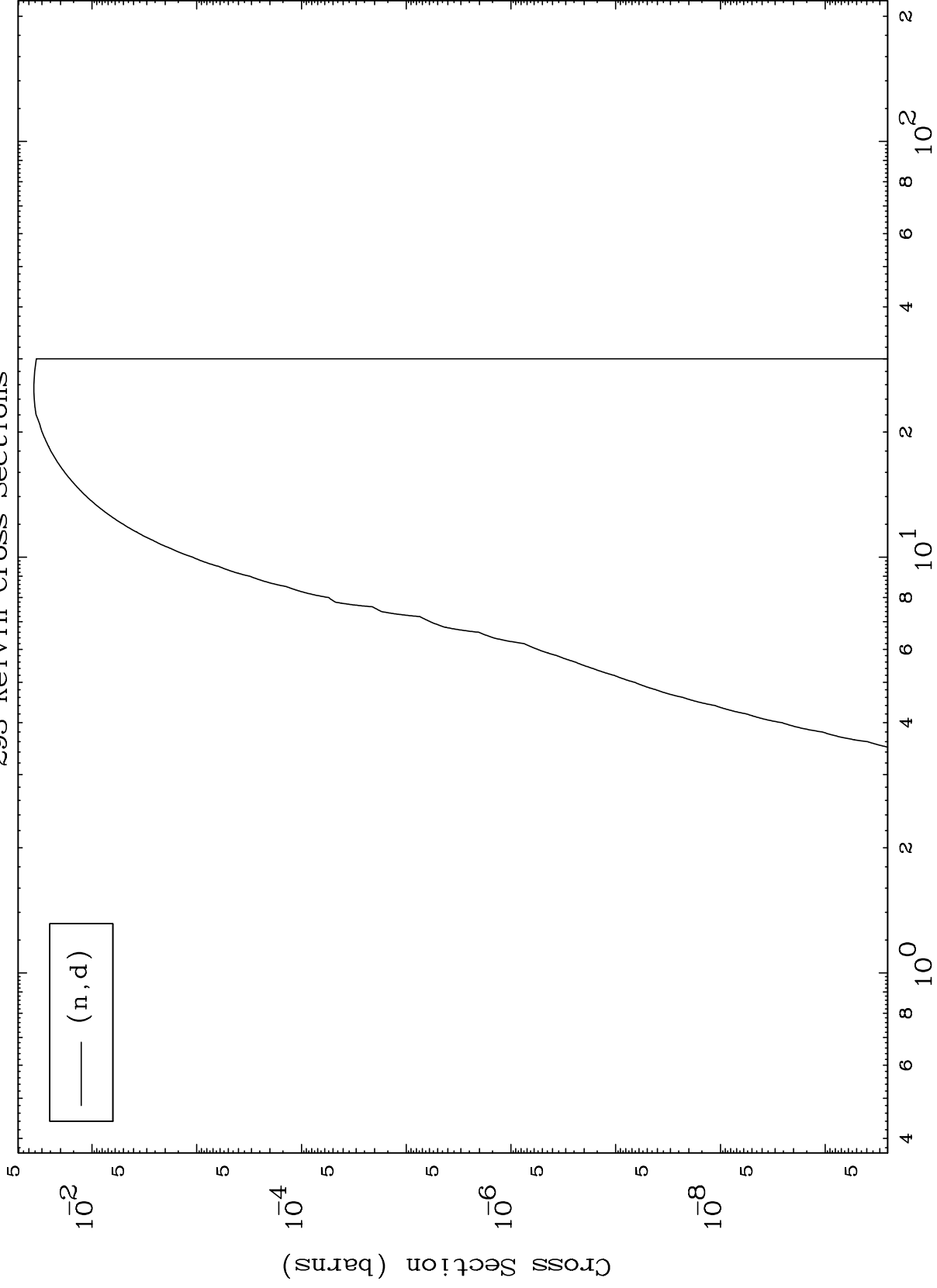
61-Pm-138



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(n,d) Levels
293 Kelvin Cross Sections

61-Pm-138



11

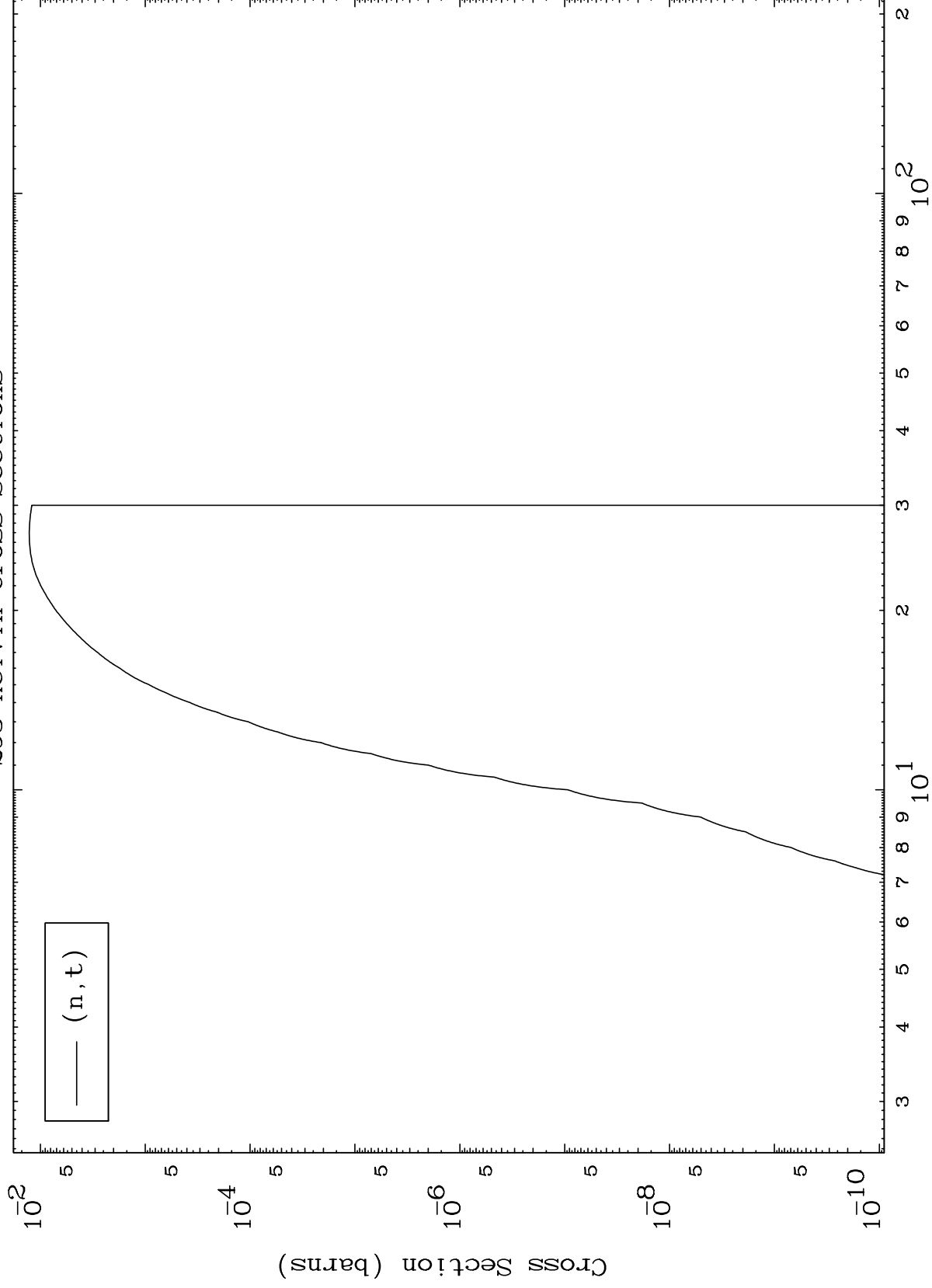
Incident Energy (MeV)

61-Pm-138

MAT 6123

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-138



12

Incident Energy (MeV)

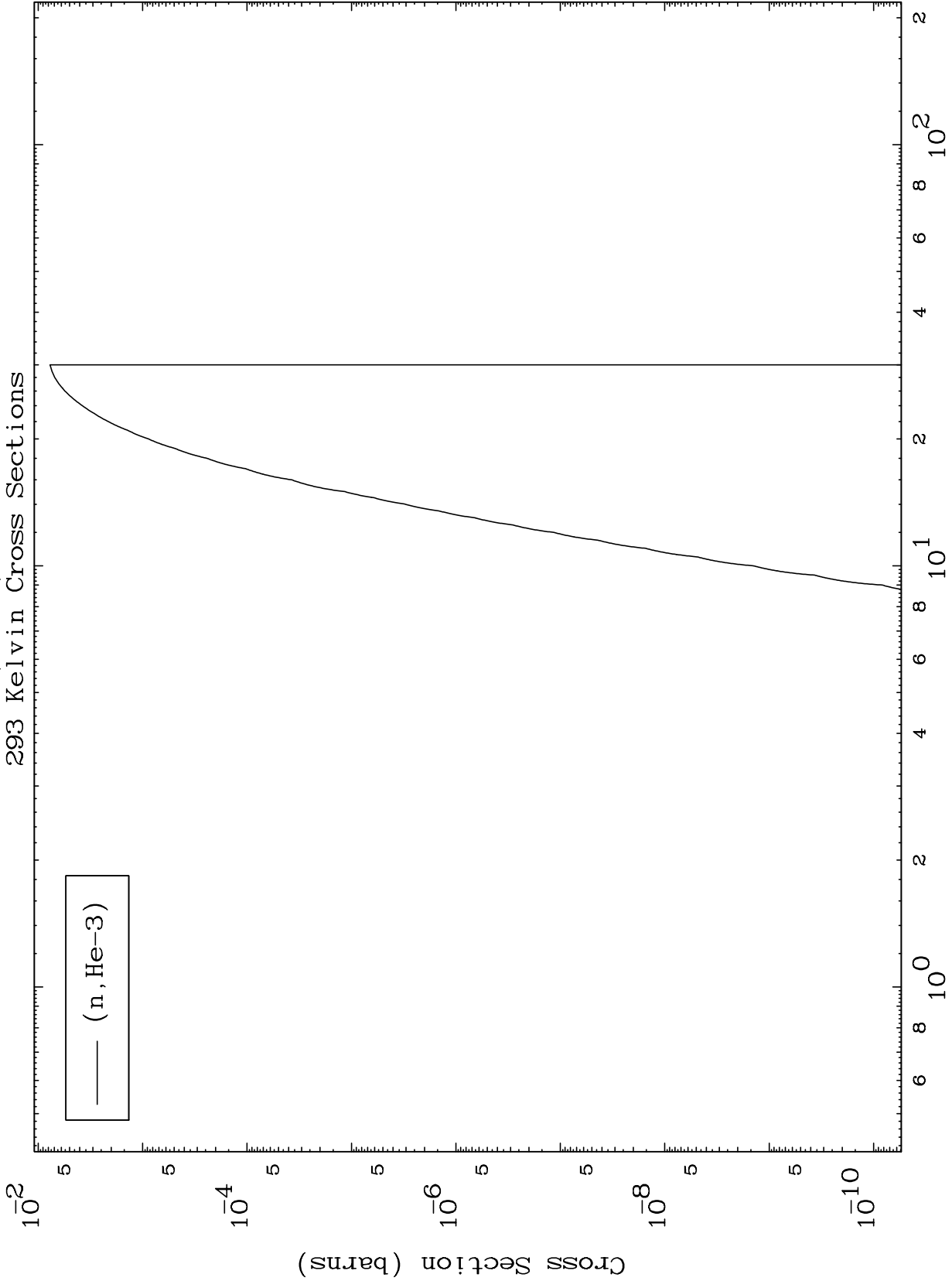
61-Pm-138

MAT 6123

(n,He3) Levels

61-Pm-138

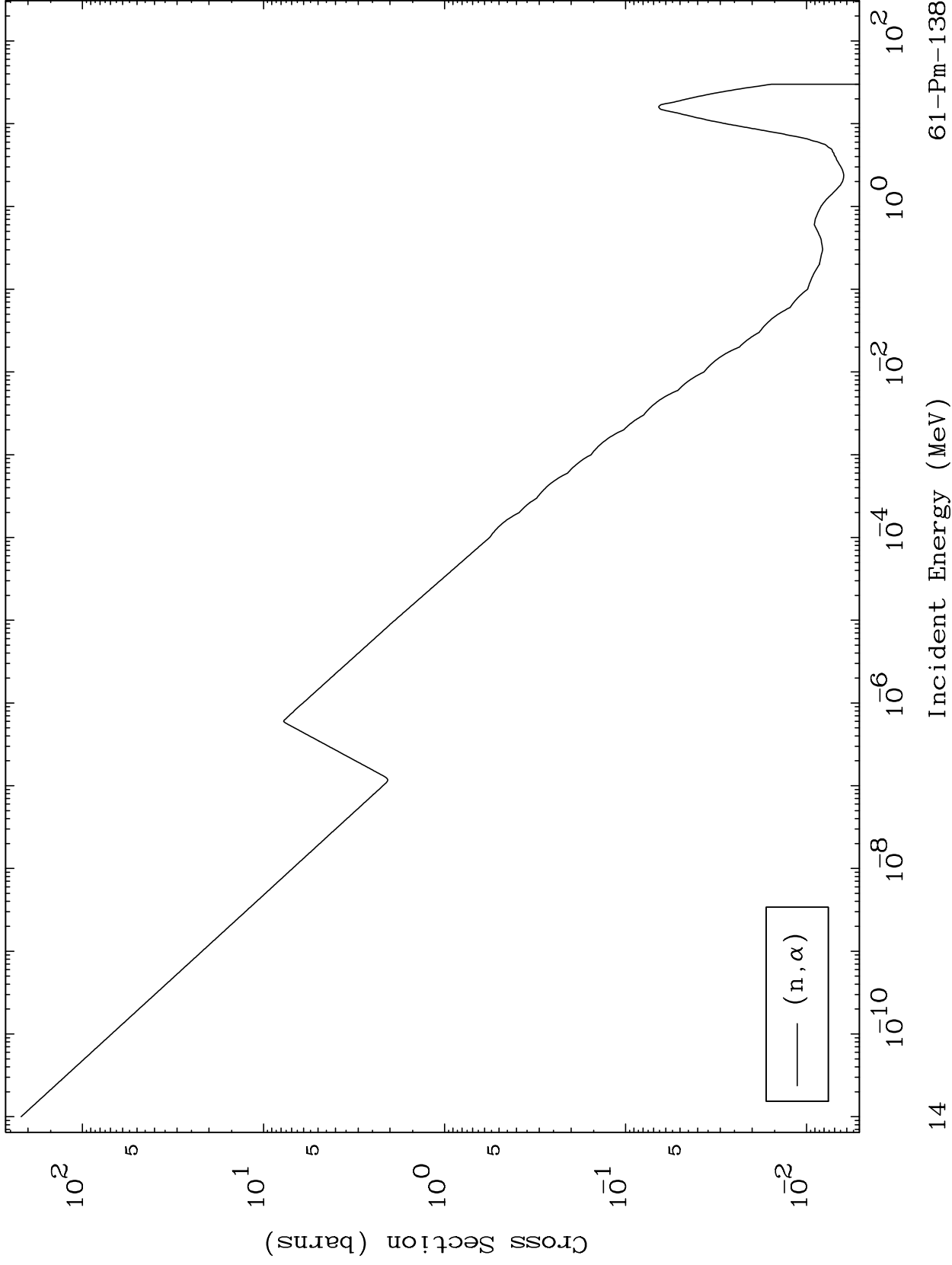
293 Kelvin Cross Sections

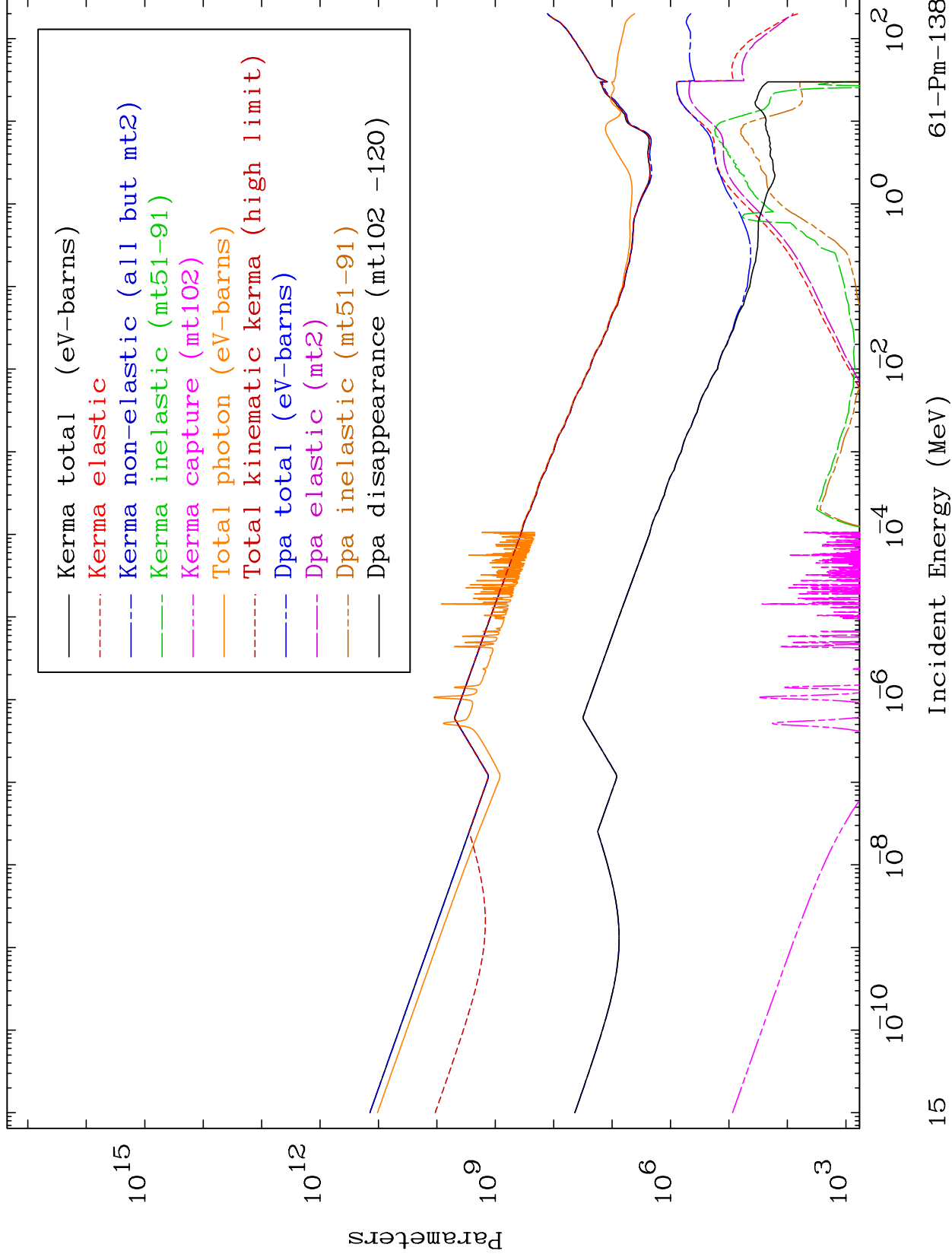


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(n, α) Levels
293 Kelvin Cross Sections

61-Pm-138

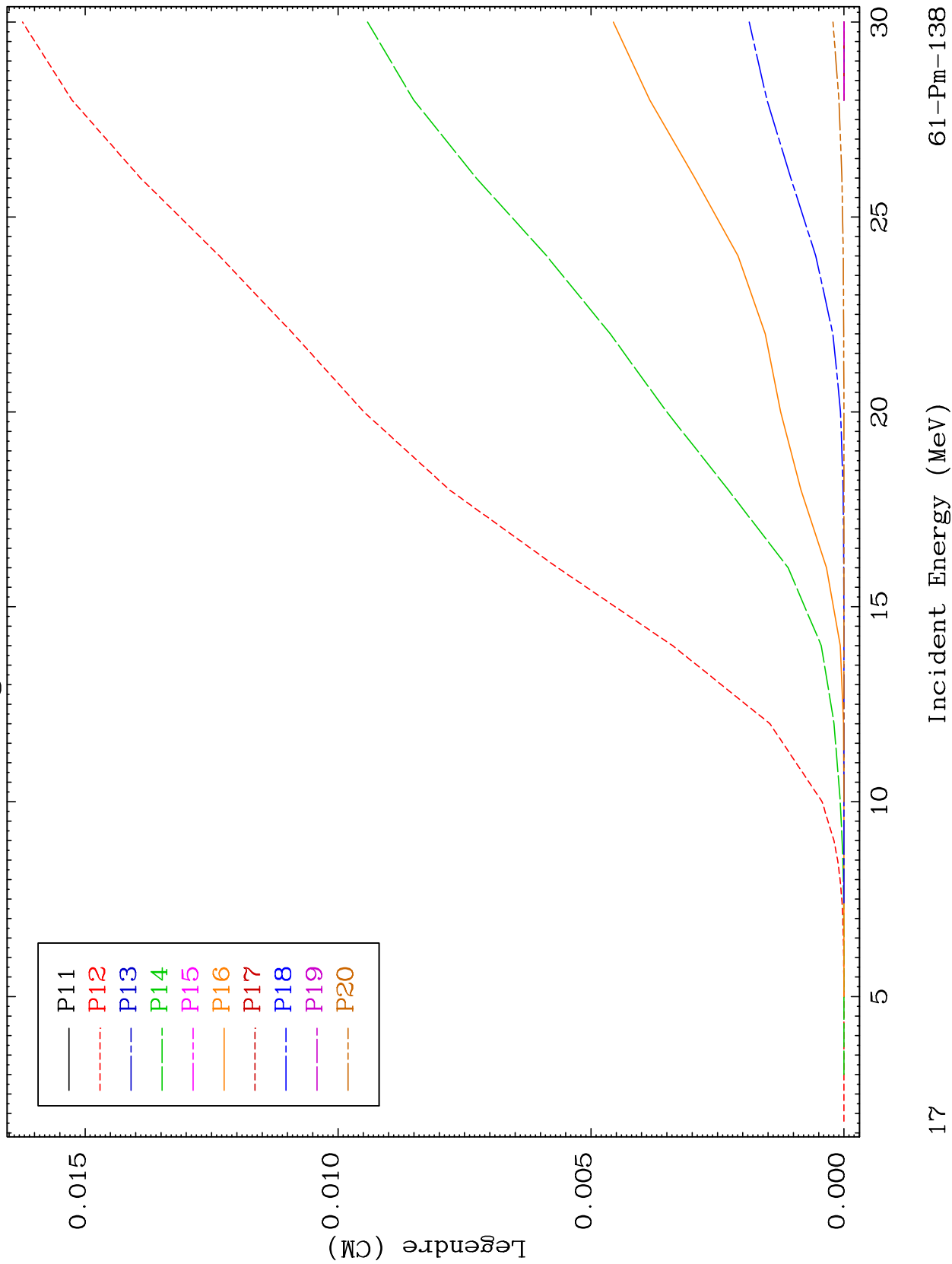




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Elastic Legendre Coefficients

61-Pm-138



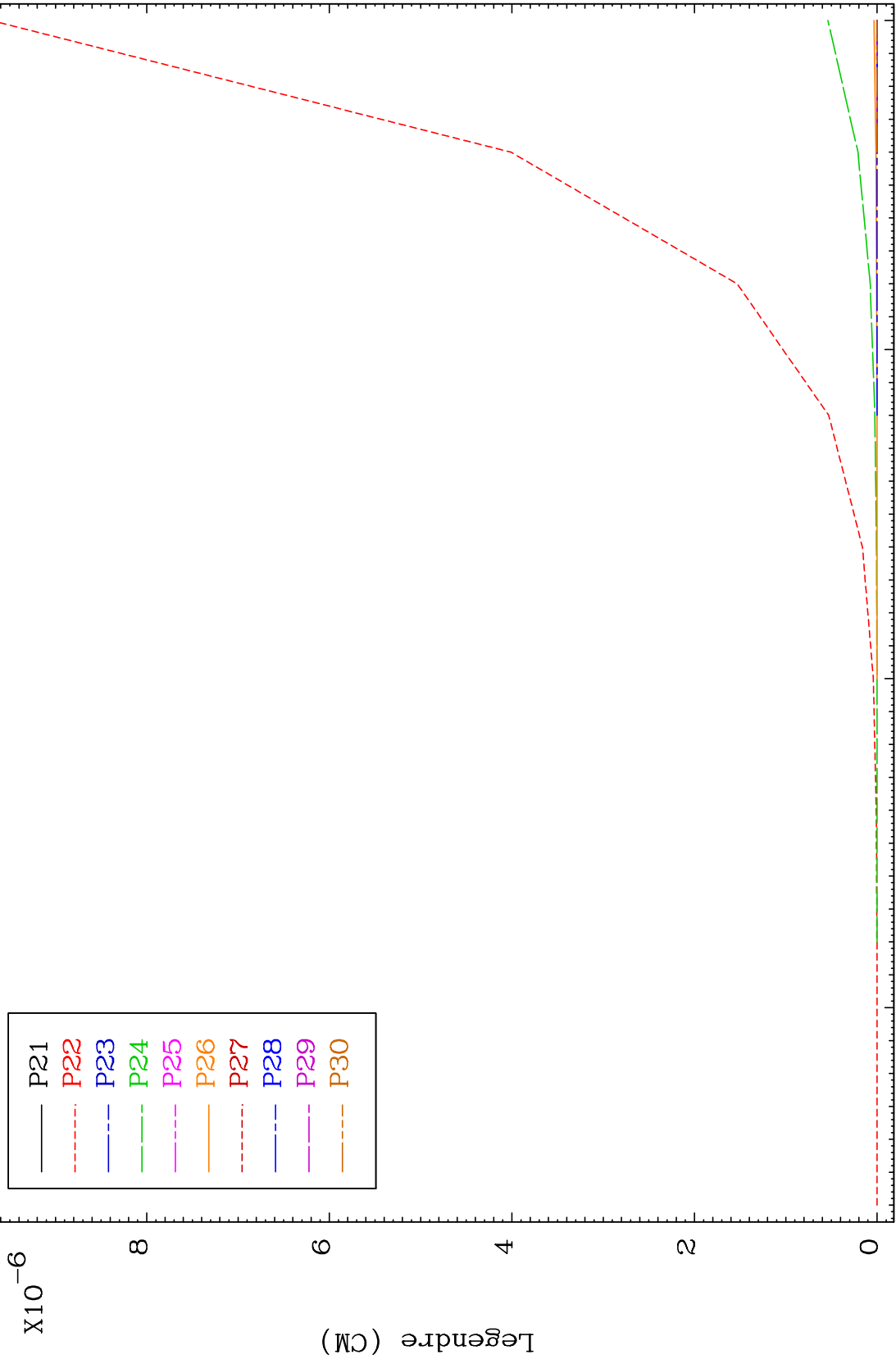
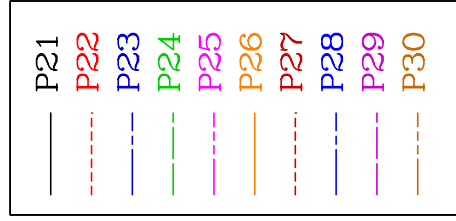
17

61-Pm-138

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Elastic Legendre Coefficients

61-Pm-138



18

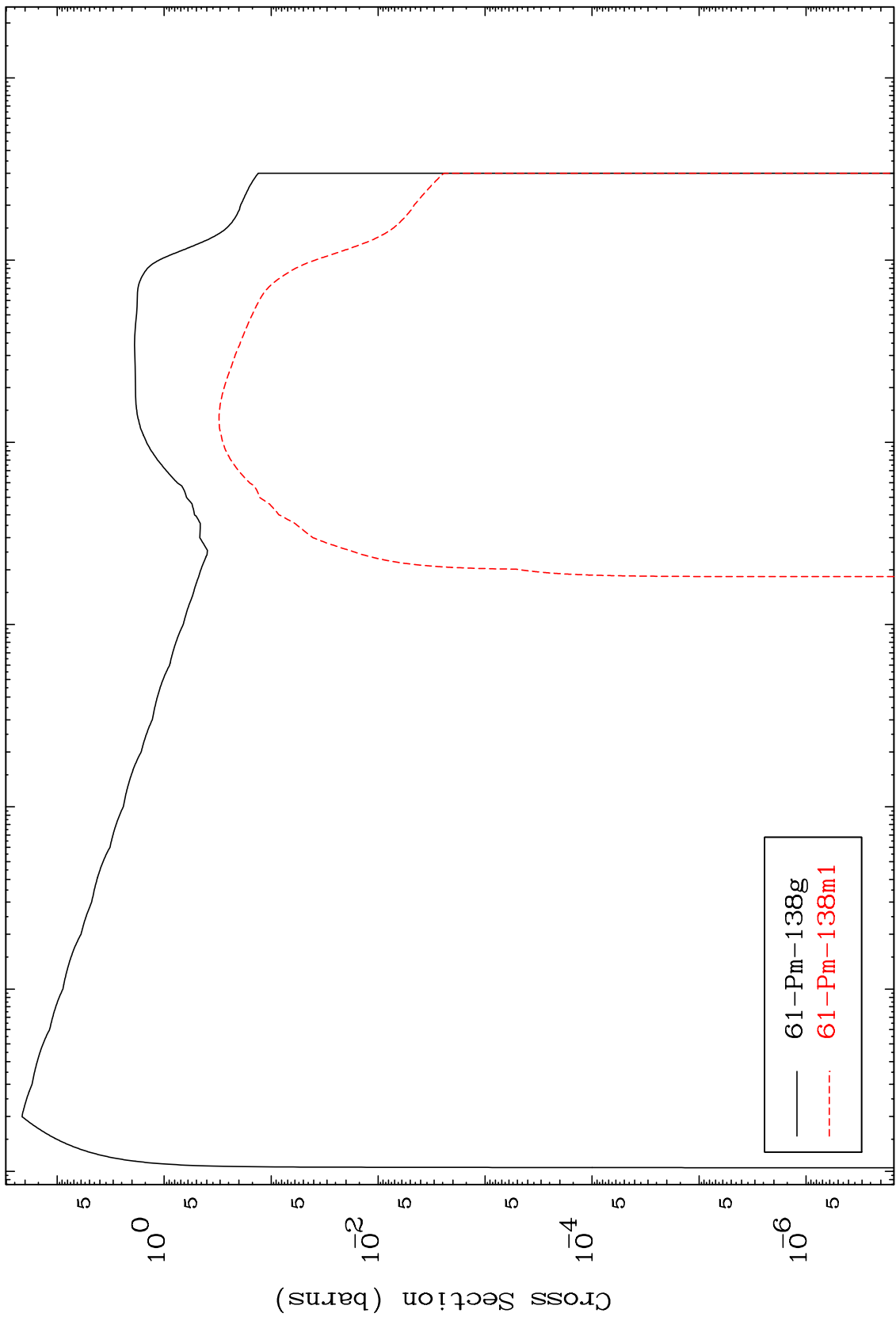
Incident Energy (MeV)

61-Pm-138

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61-Pm-138

Inelastic
Radionuclide Production Cross Section



61-Pm-138g
61-Pm-138m1

19

61-Pm-138

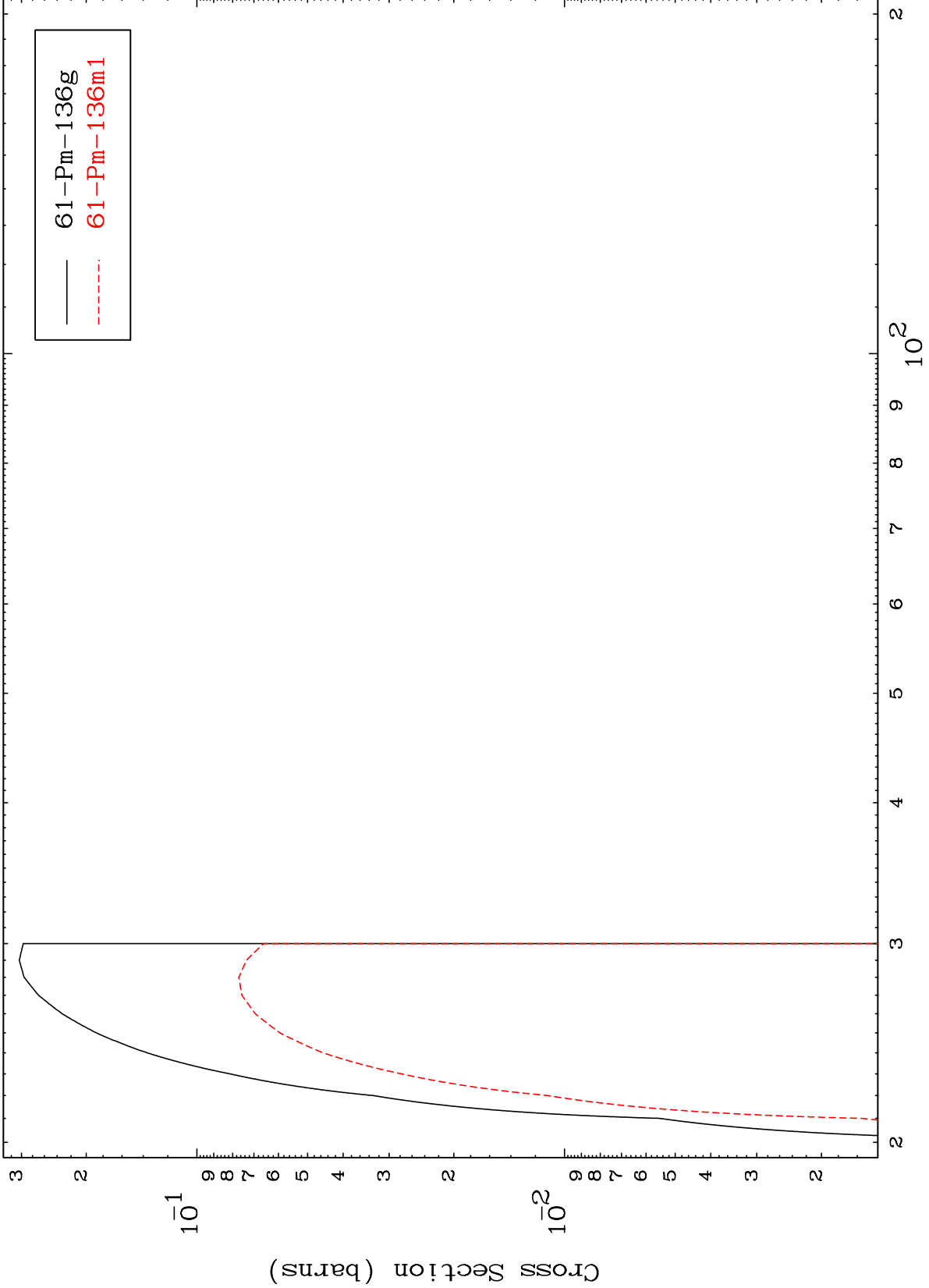
Incident Energy (MeV)

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(n,3n)

61-Pm-138

Radionuclide Production Cross Section



20

Incident Energy (MeV)

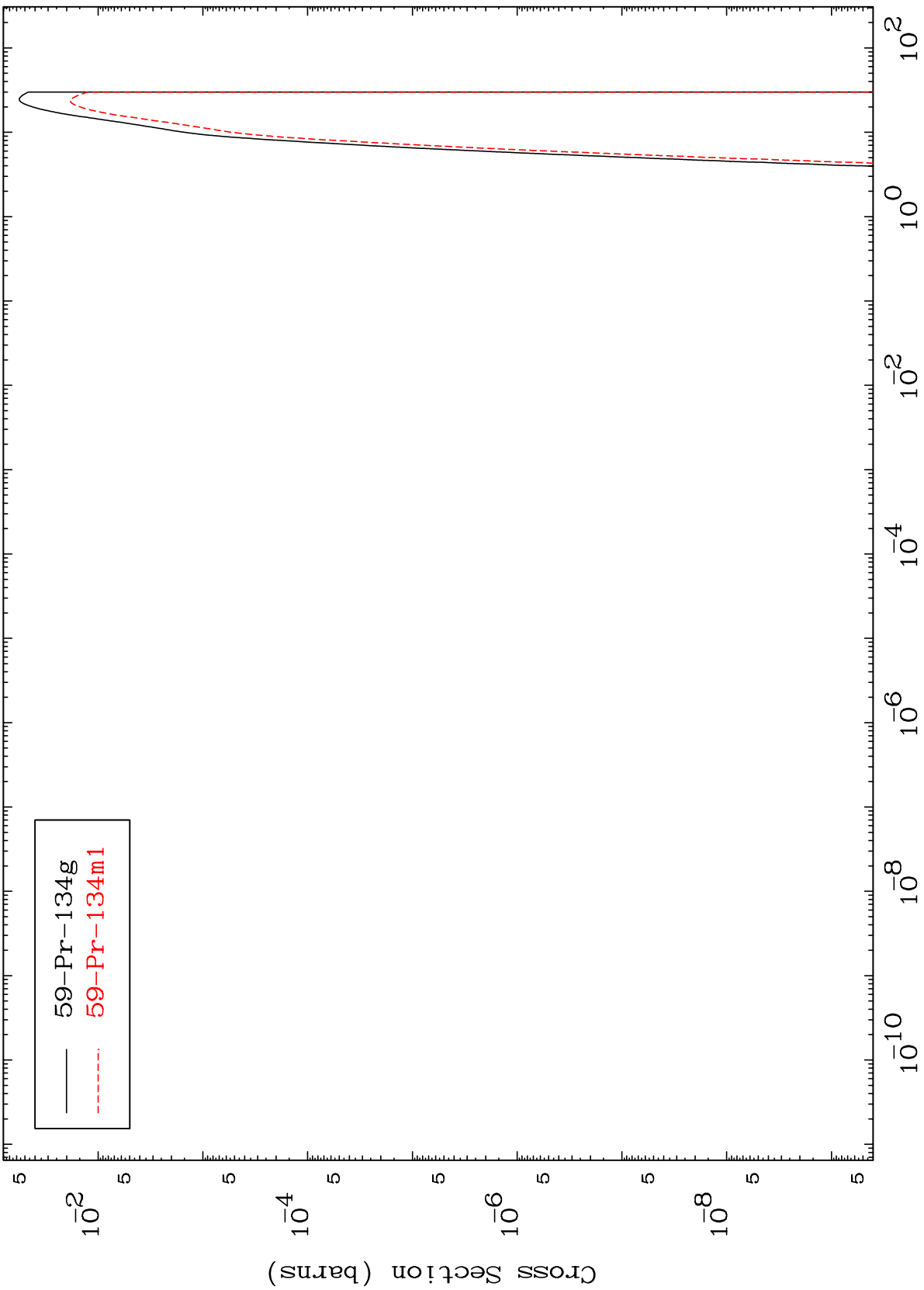
61-Pm-138

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$(n, n') \alpha$

61-Pm-138

Radionuclide Production Cross Section

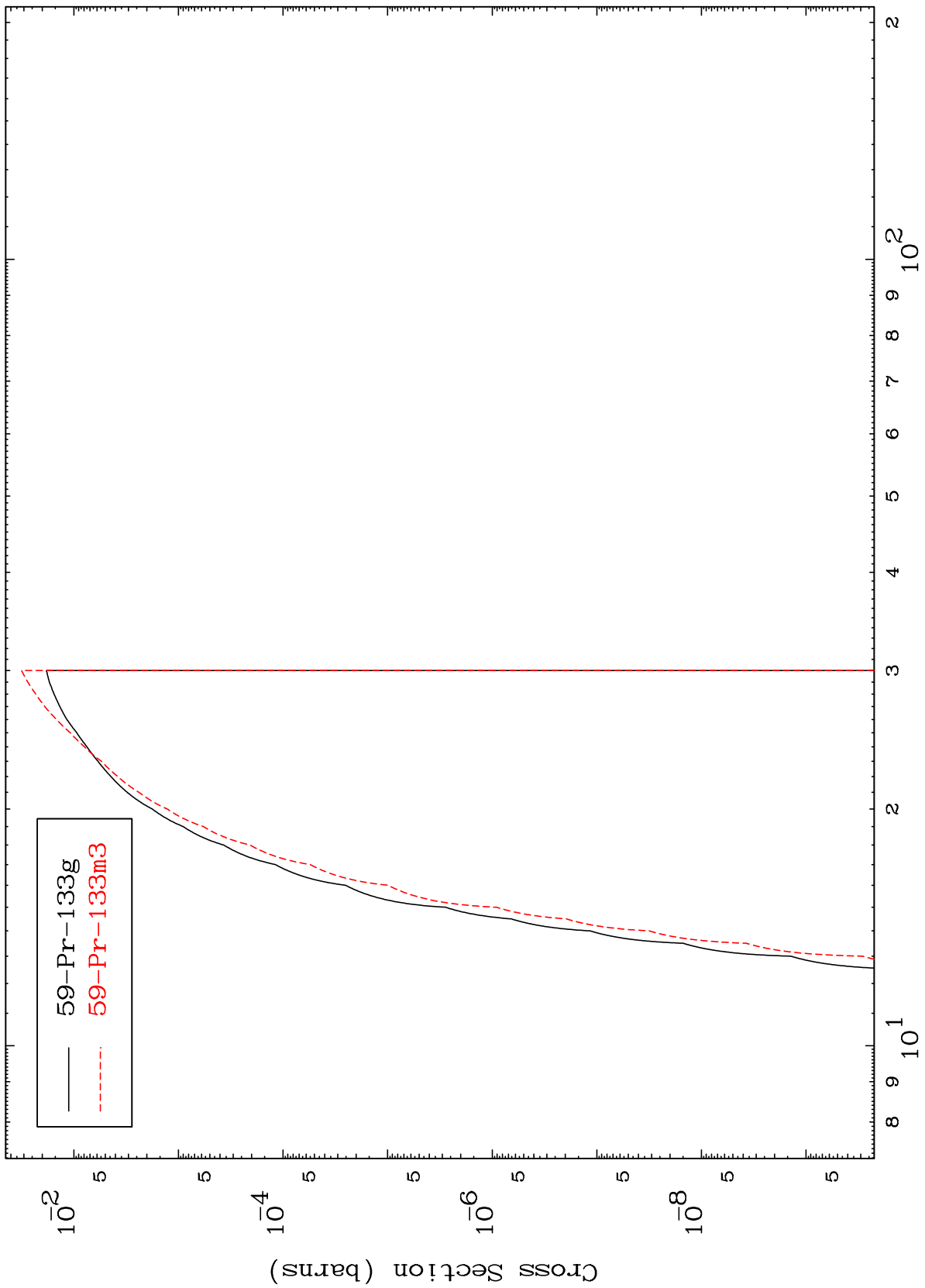


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(n,2n) α

61-Pm-138

Radionuclide Production Cross Section



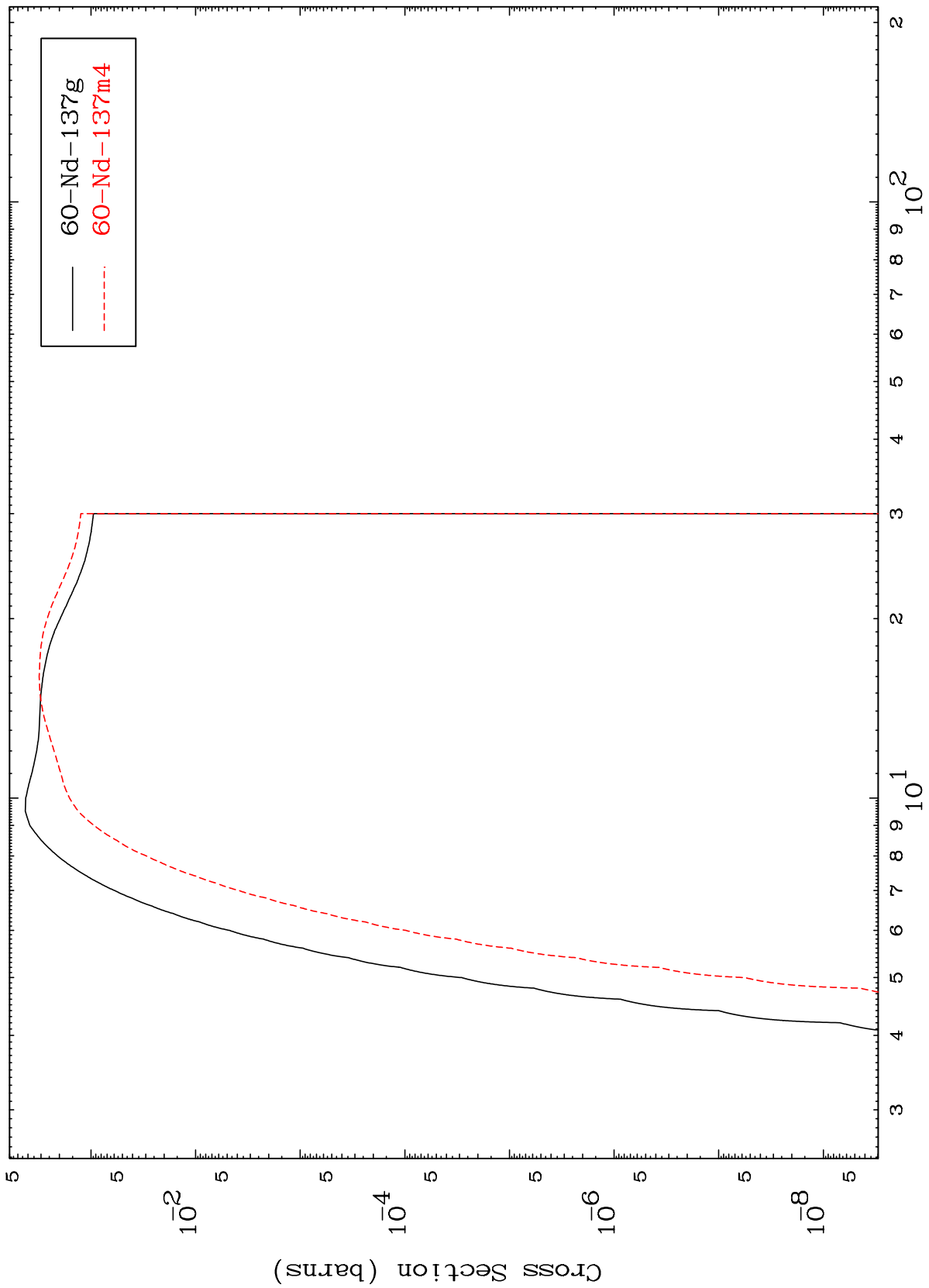
59-Pr-133g
59-Pr-133m3

Incident Energy (MeV)

61-Pm-138

22

(n,n') p
Radionuclide Production Cross Section

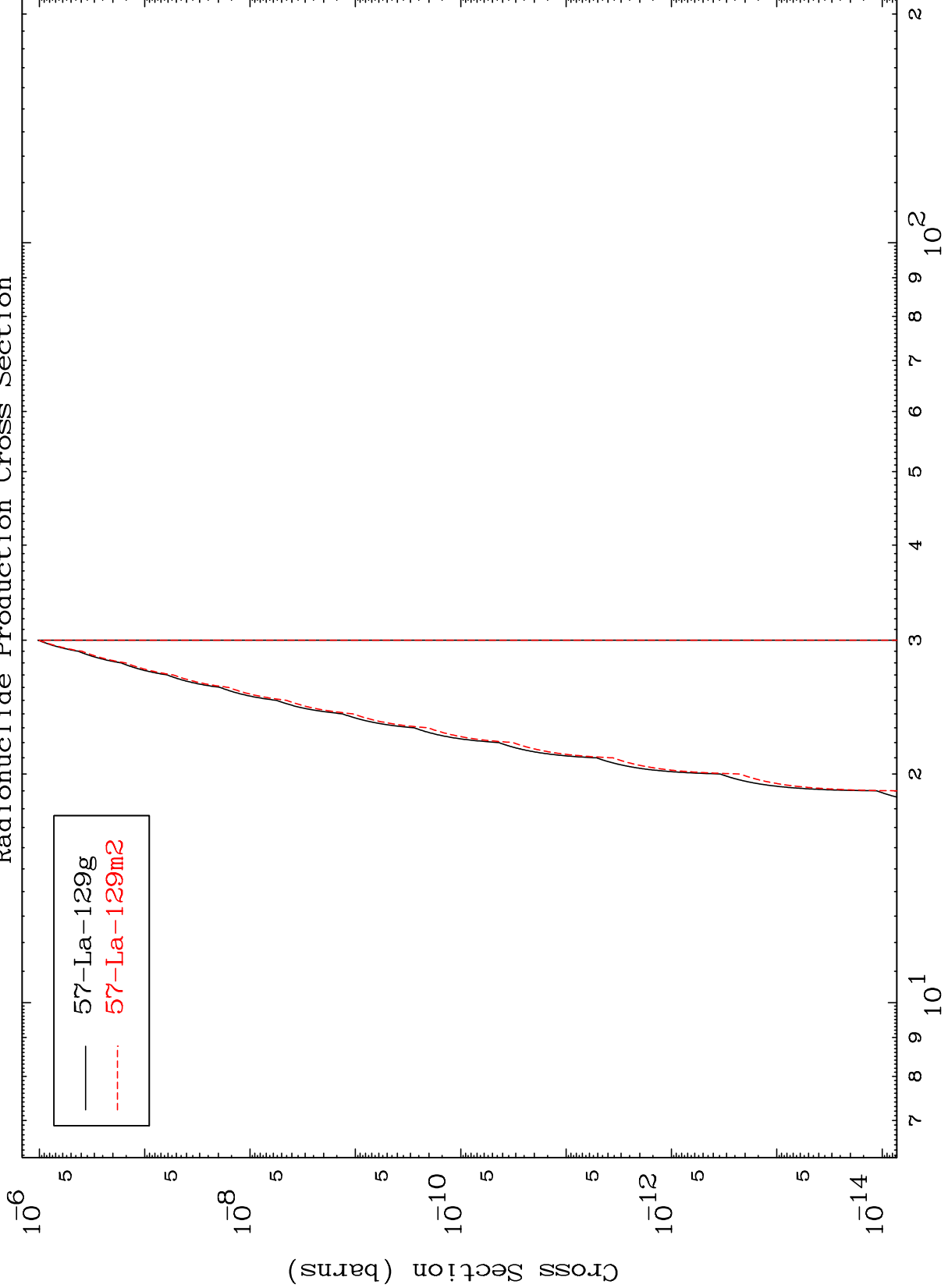


MAT 6123

$(n,2n) 2\alpha$

61-Pm-138

Radionuclide Production Cross Section



57-La-129g
57-La-129m2

24

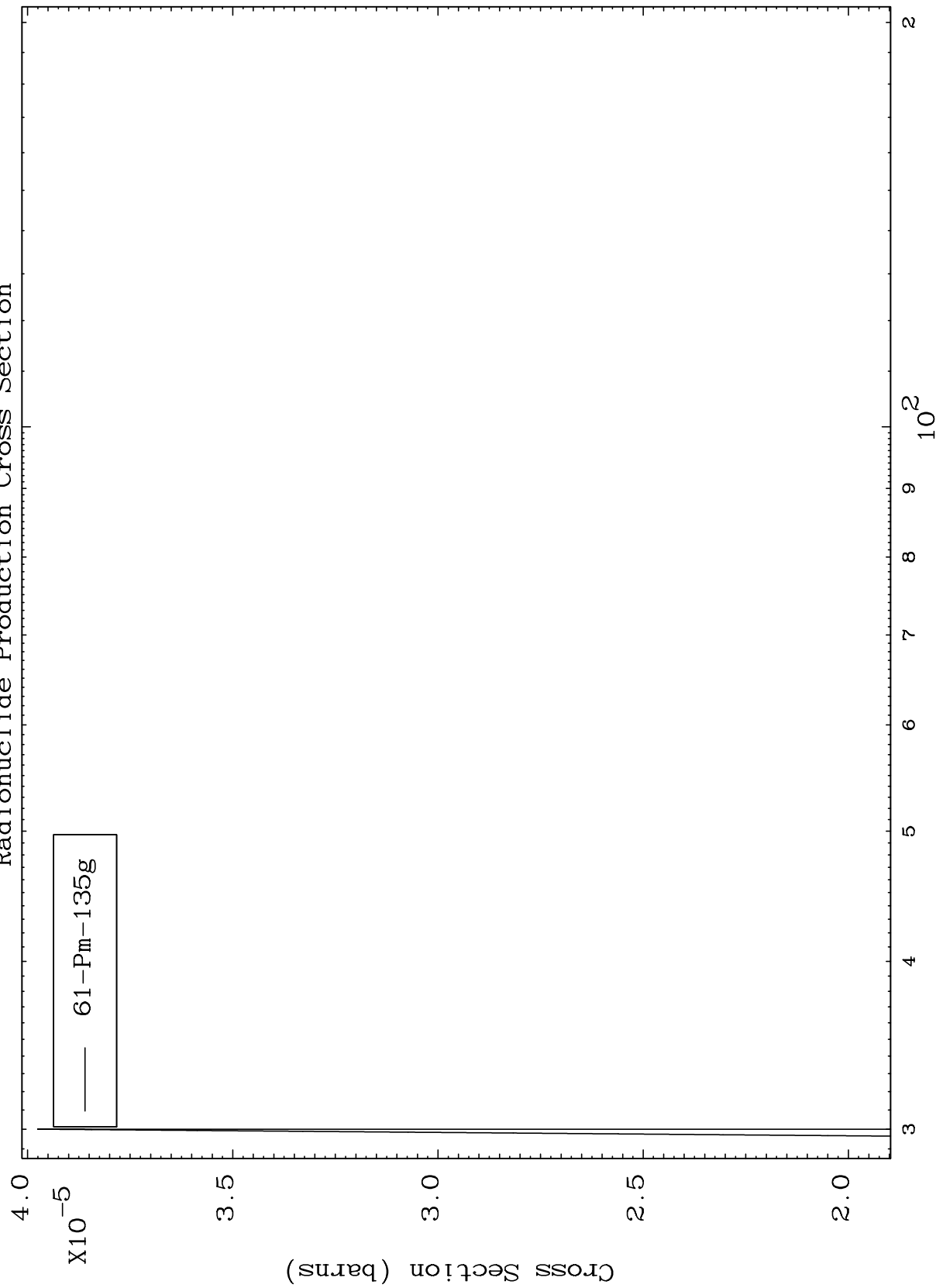
Incident Energy (MeV)

61-Pm-138

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61-Pm-138

(n,4n)
Radionuclide Production Cross Section



61-Pm-138

Incident Energy (MeV)

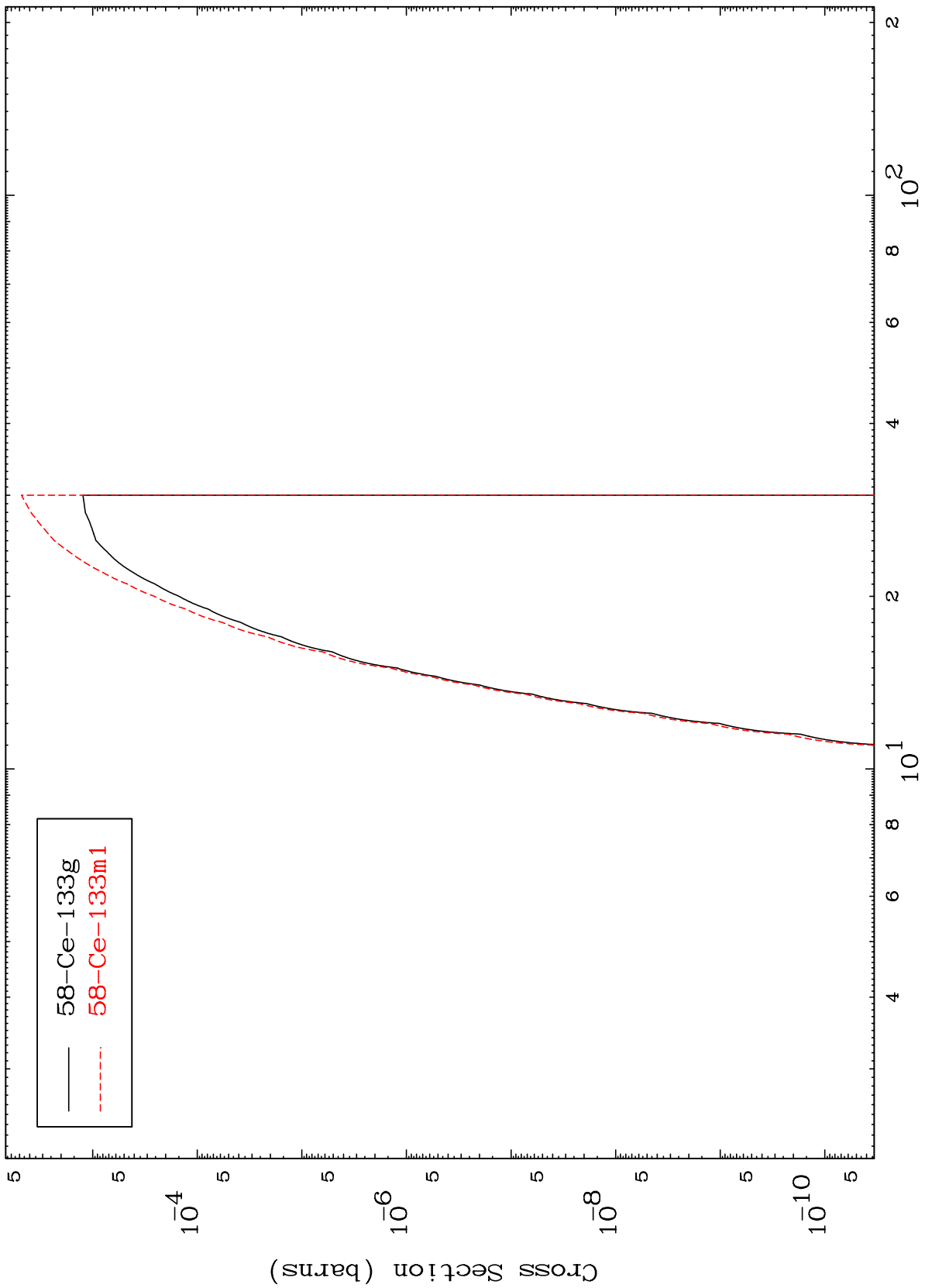
25

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(n,n') p α

61-Pm-138

Radionuclide Production Cross Section



26

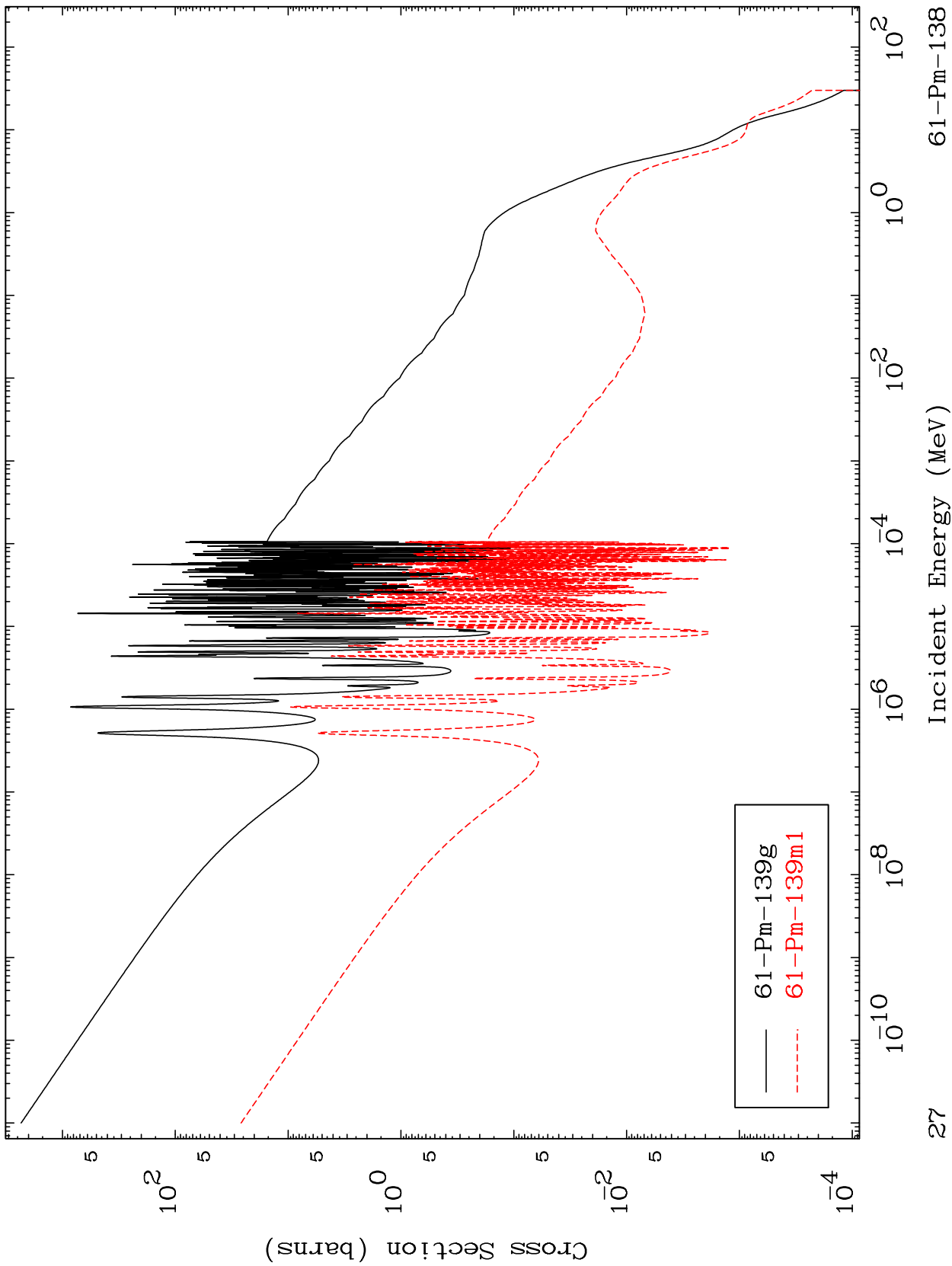
Incident Energy (MeV)

61-Pm-138

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61-Pm-138

(n, γ)
Radionuclide Production Cross Section

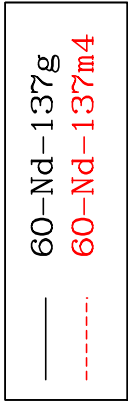
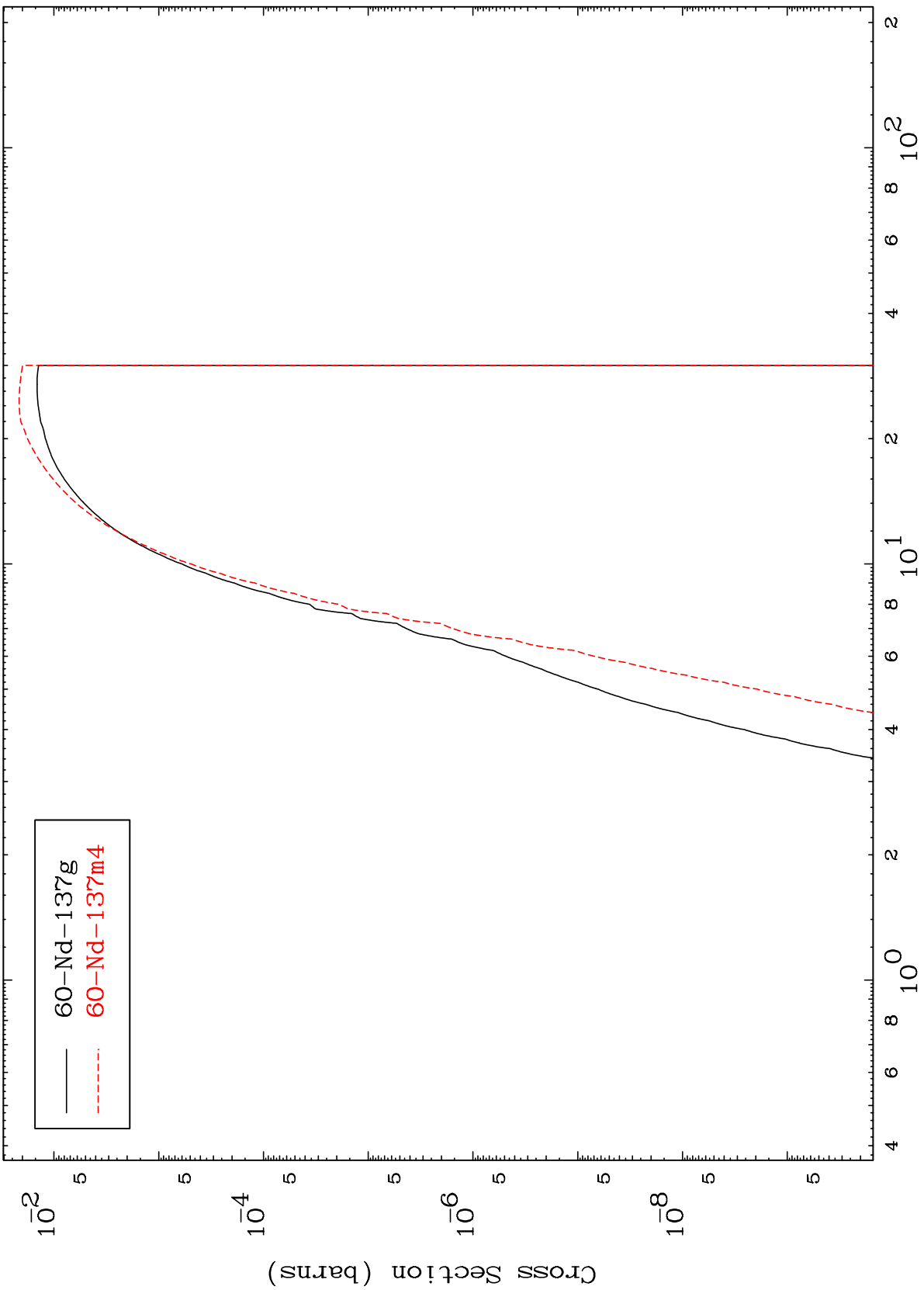


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(n,d)

61-Pm-138

Radionuclide Production Cross Section



Incident Energy (MeV)

61-Pm-138

28

MAT 6123

(n,d) α

61-Pm-138

Radionuclide Production Cross Section

