

Program EVALPLOT
(Version 2015-2)

by

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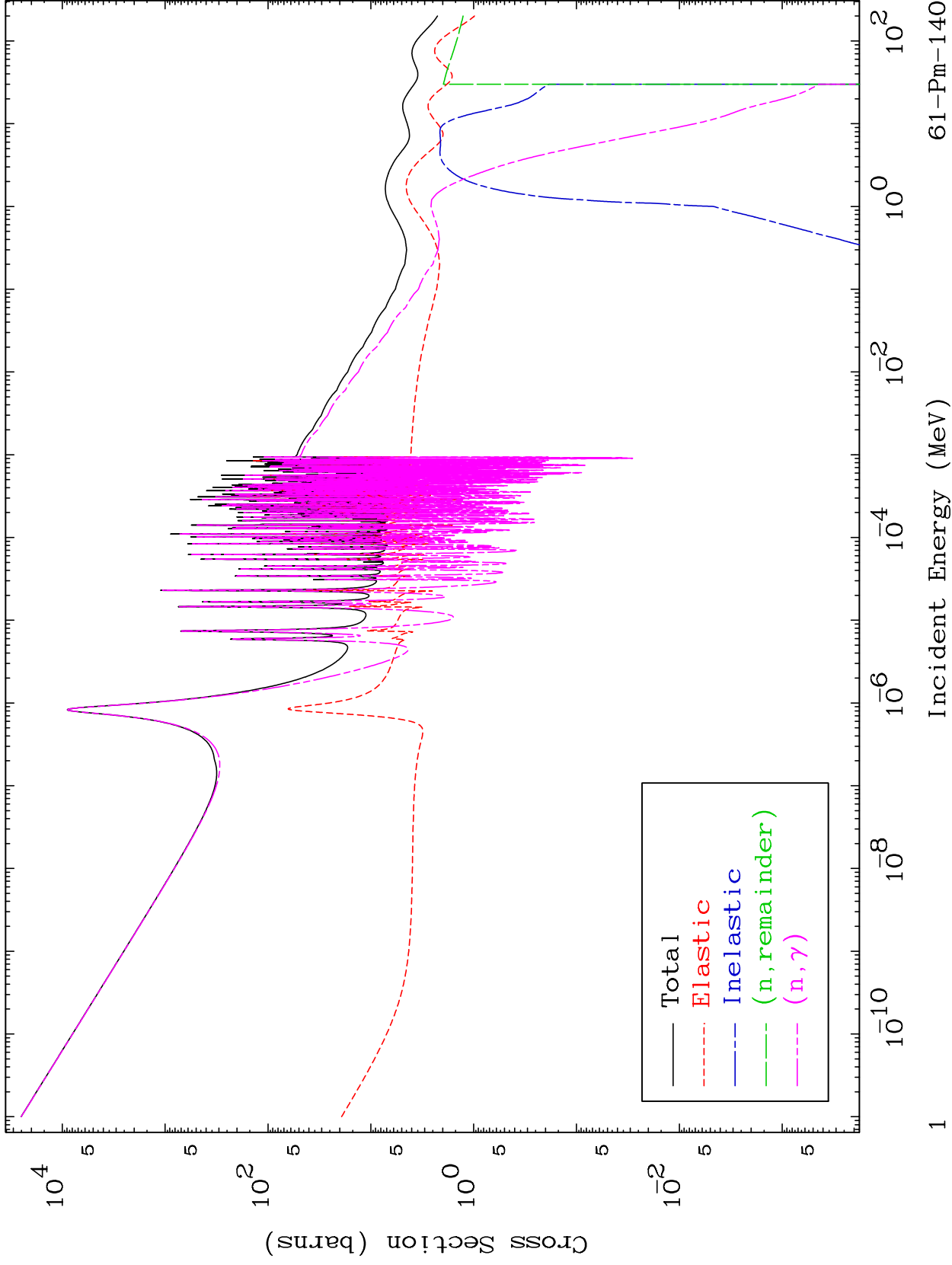
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 6129

Major
293 Kelvin Cross Sections

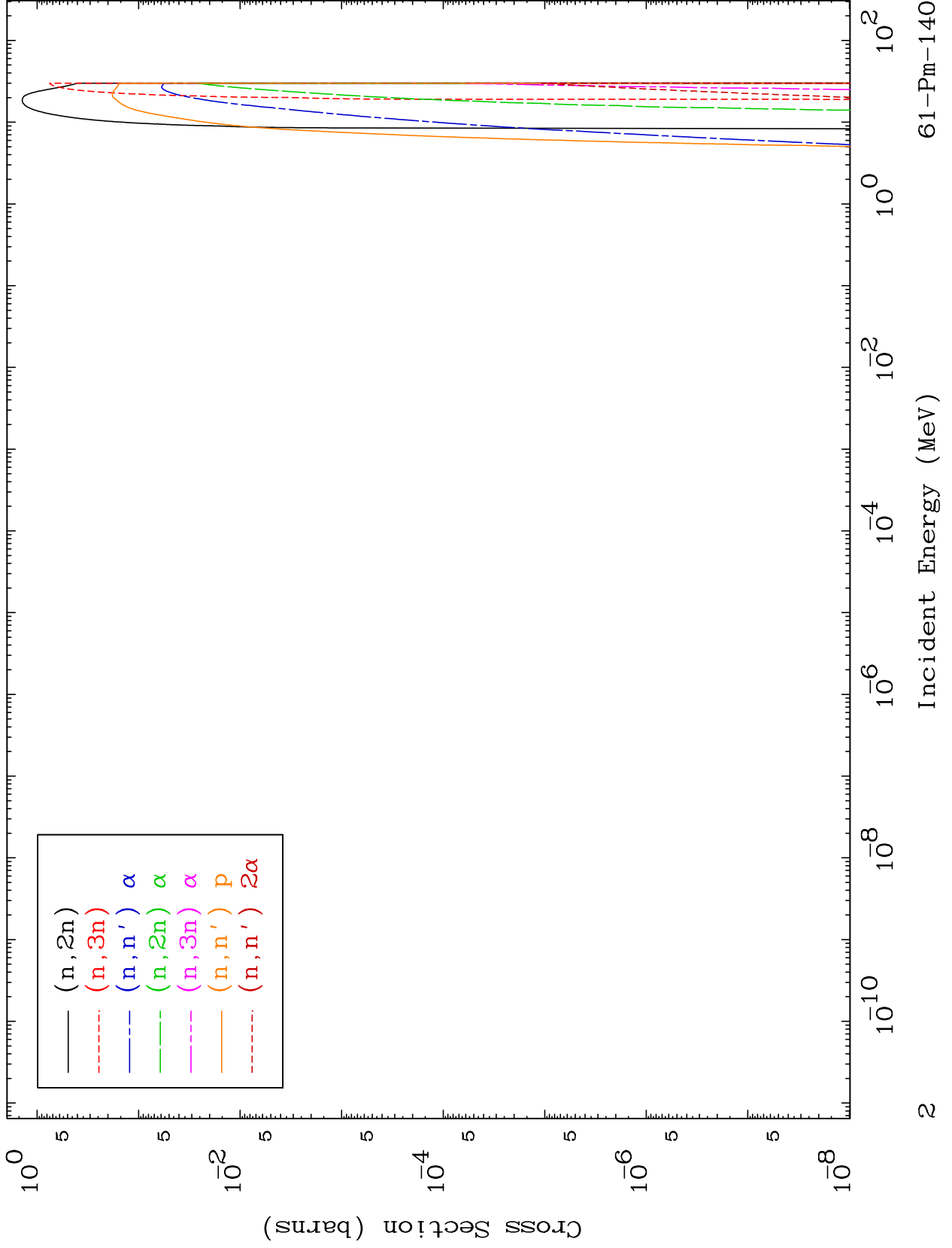
61-Pm-140

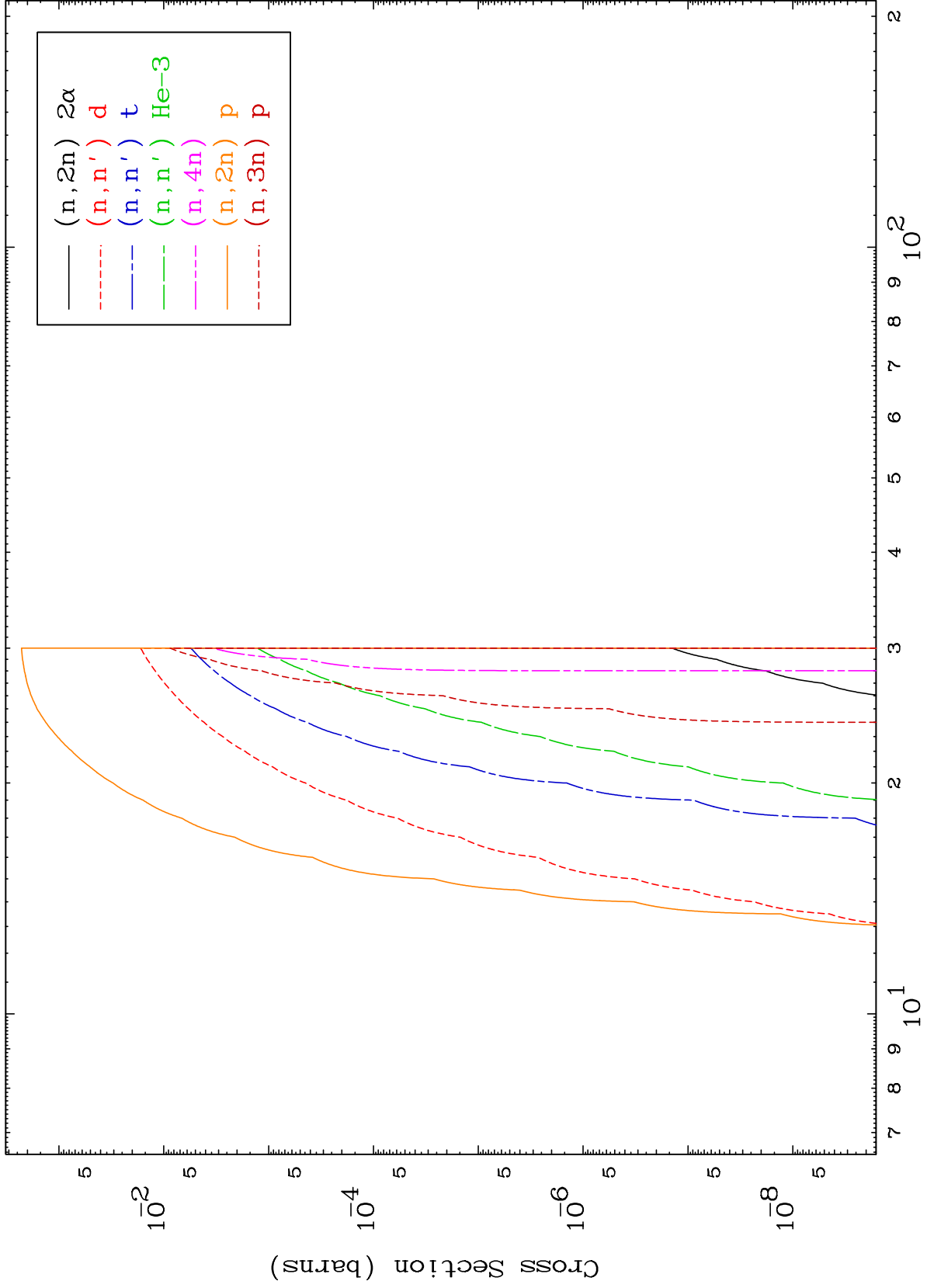


MAT 6129

Neutron Production
293 Kelvin Cross Sections

61-Pm-140

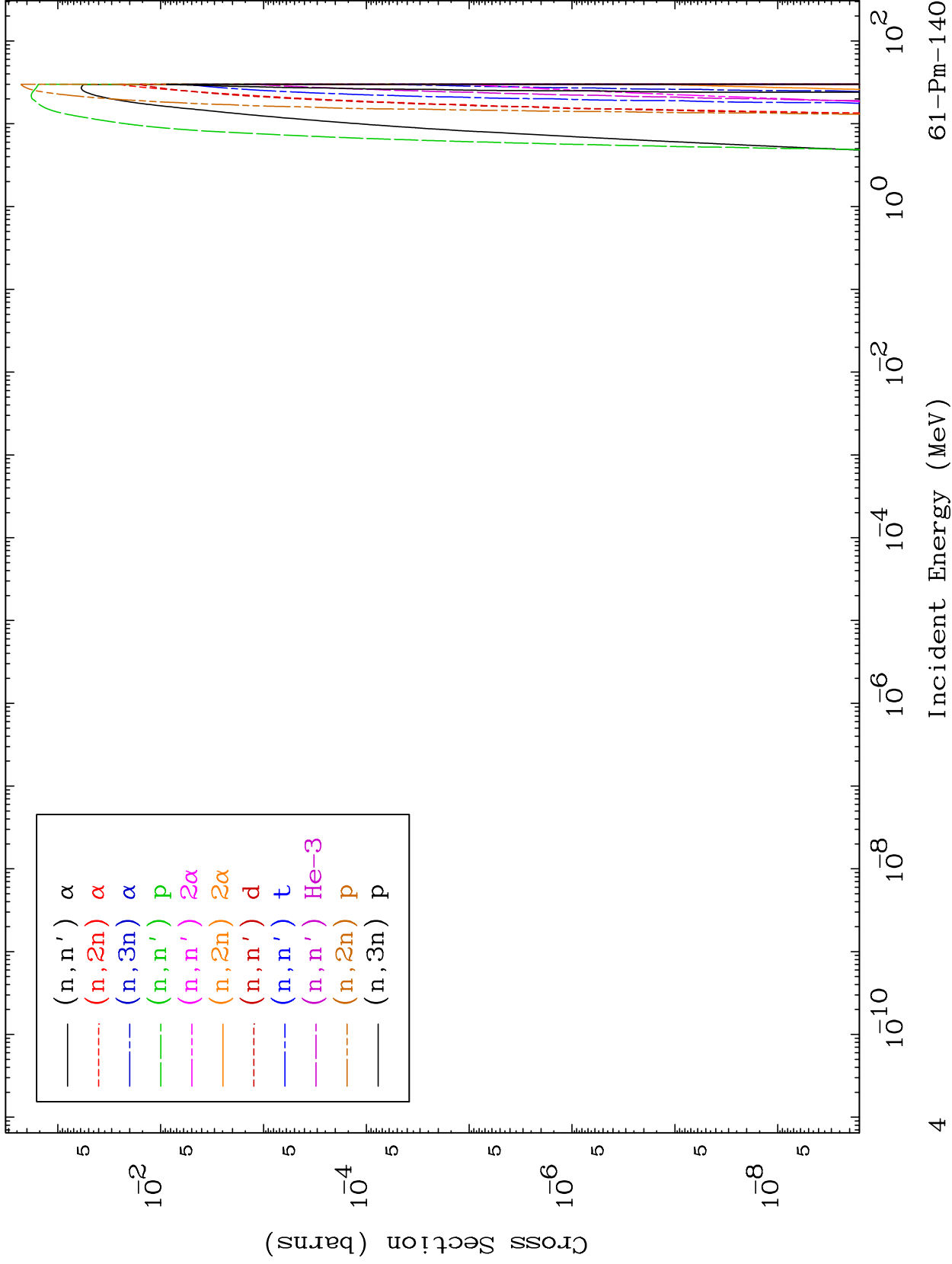




MAT 6129

Charged Particle
293 Kelvin Cross Sections

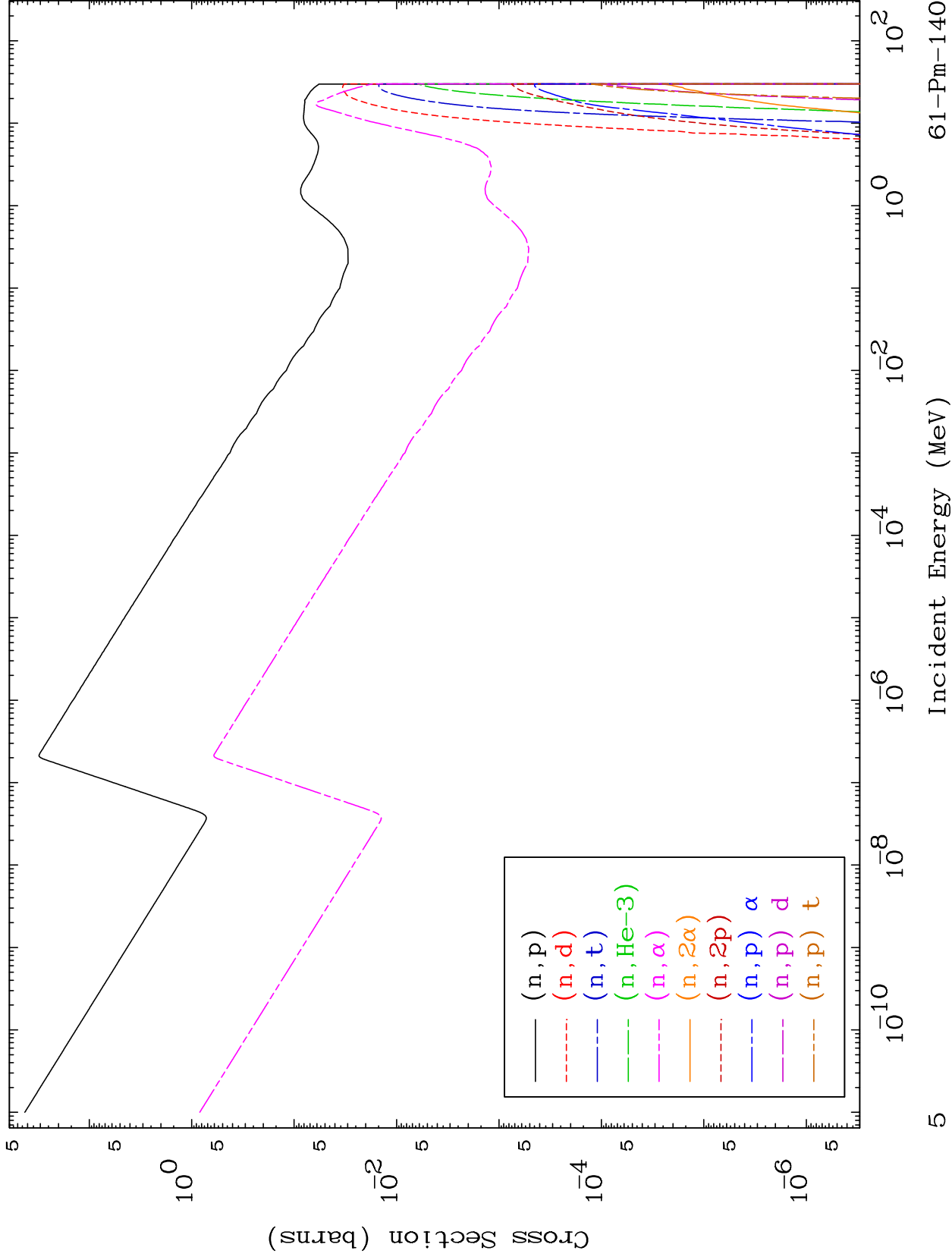
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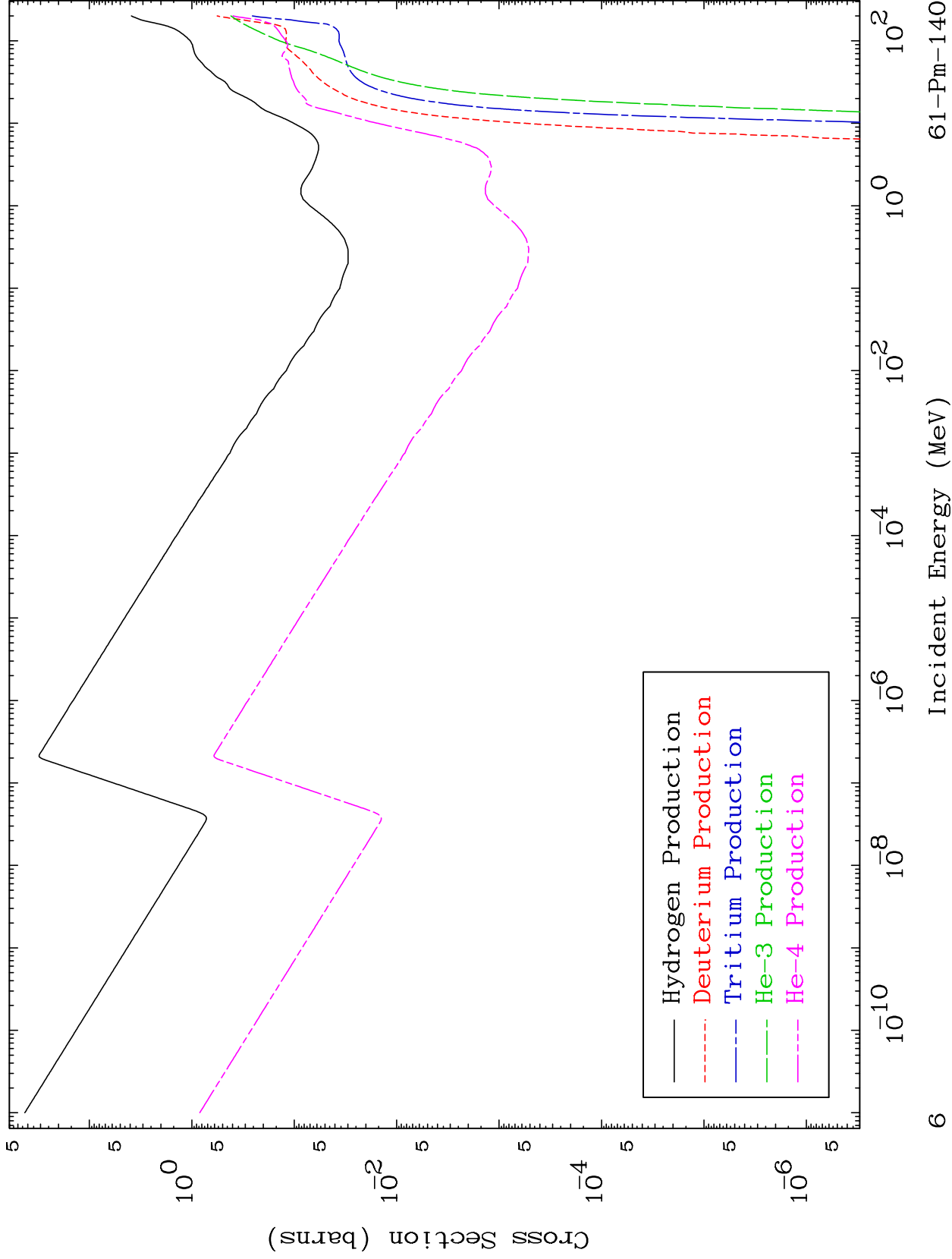


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Charged Particle
293 Kelvin Cross Sections

61-Pm-140

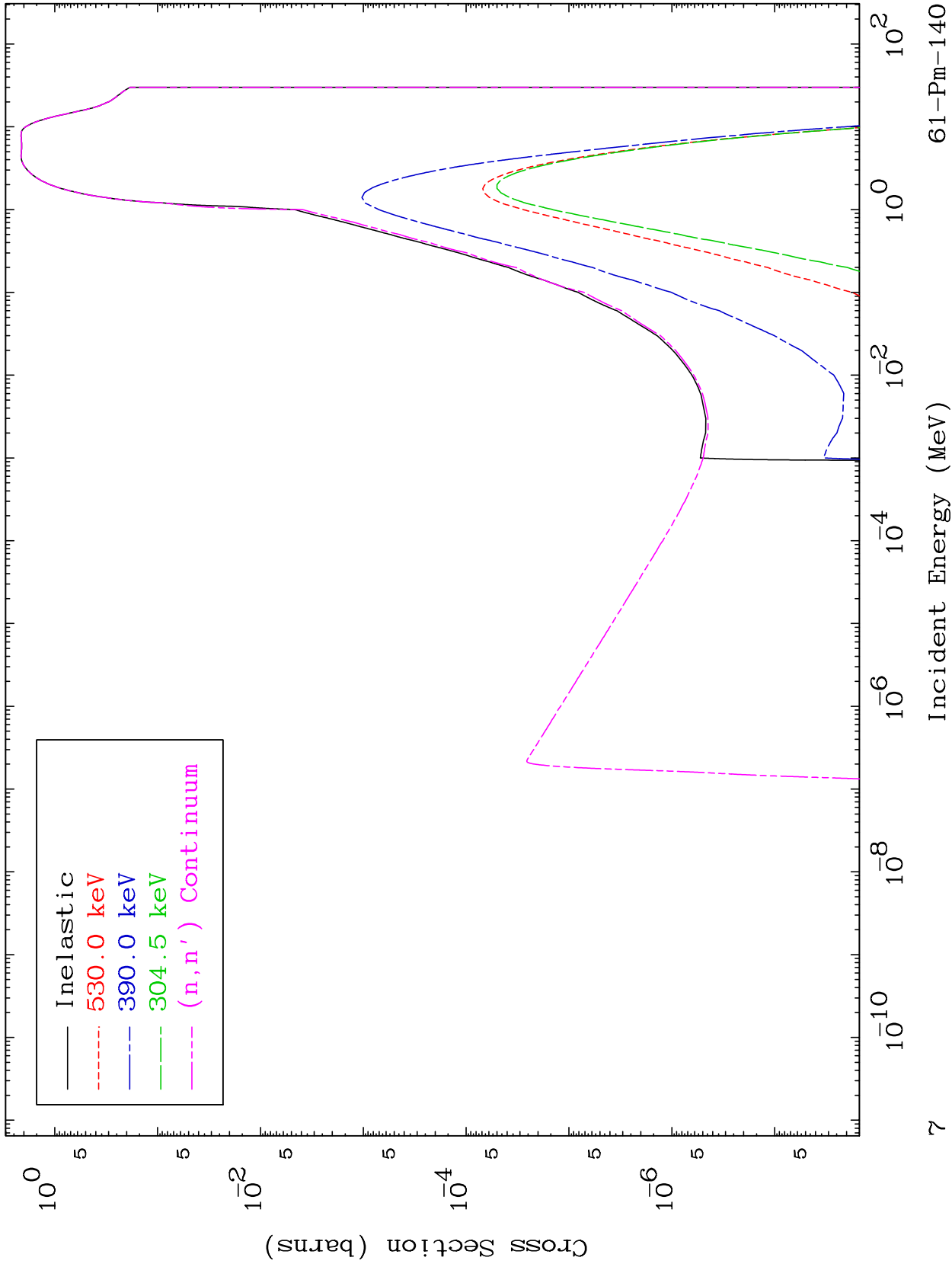




MAT 6129

(n,n') Level
293 Kelvin Cross Sections

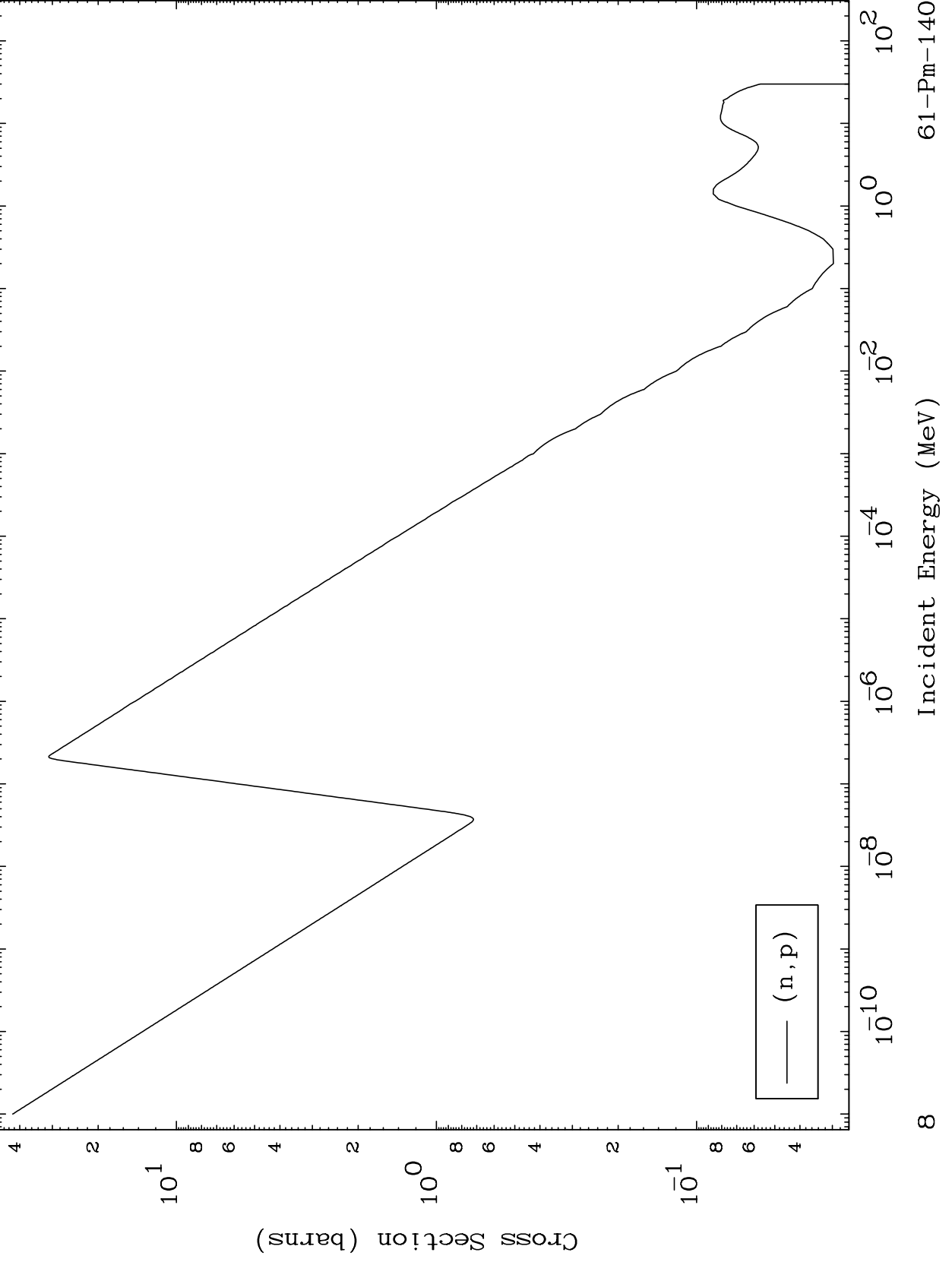
61-Pm-140



MAT 6129

(n,p) Levels
293 Kelvin Cross Sections

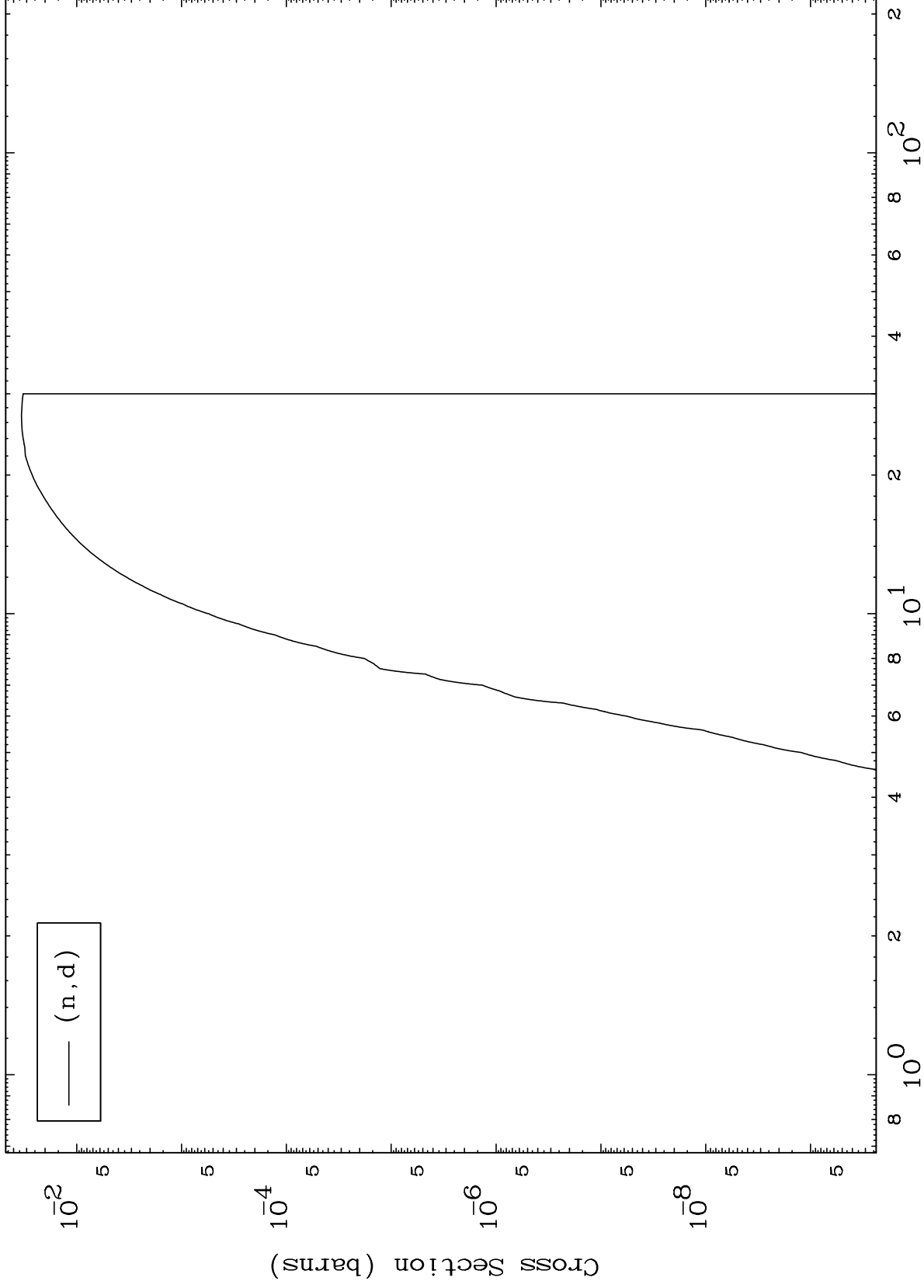
61-Pm-140



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(n,d) Levels
293 Kelvin Cross Sections

61-Pm-140



9

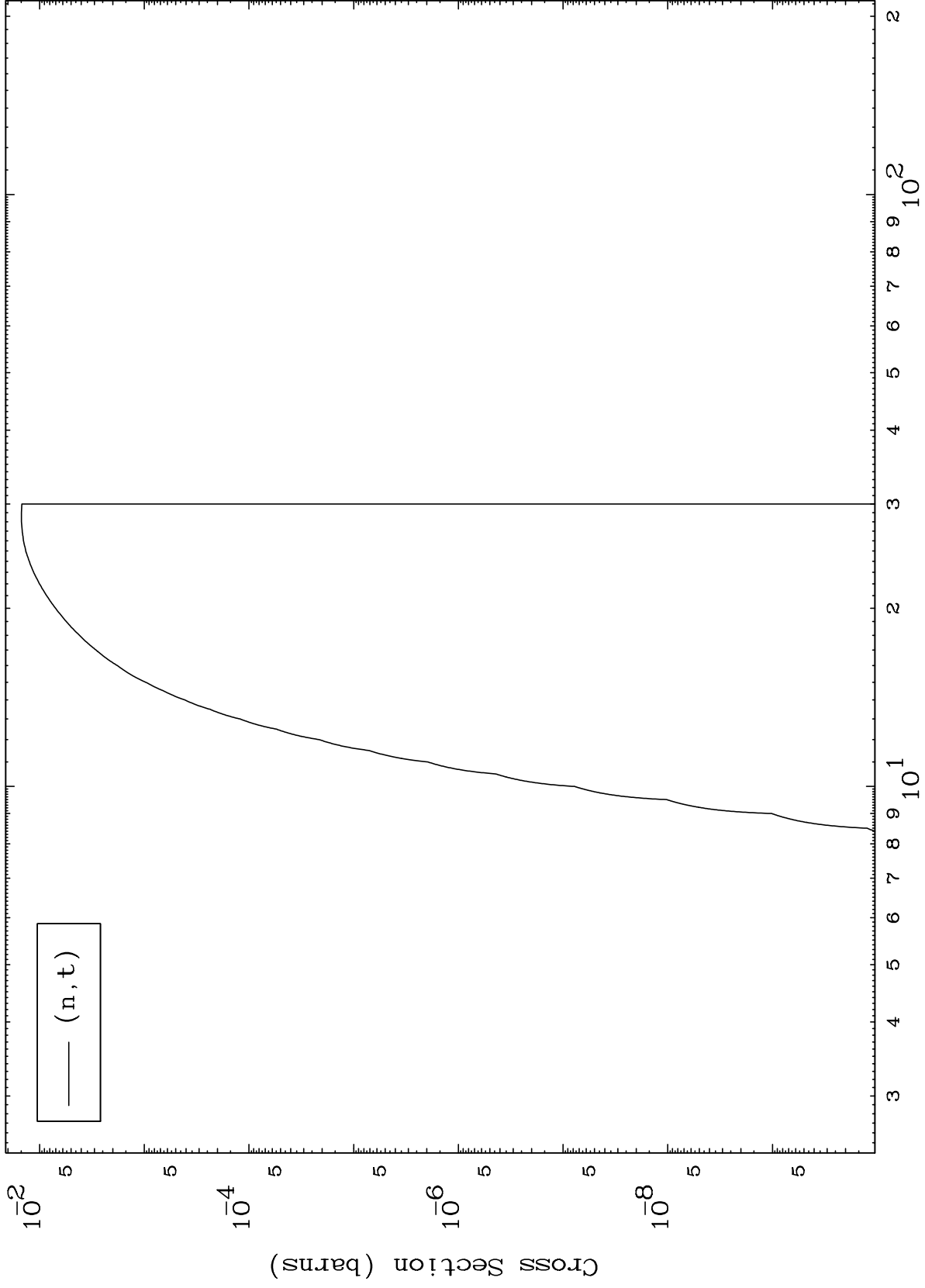
Incident Energy (MeV)

61-Pm-140

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(n,t) Levels
293 Kelvin Cross Sections

61-Pm-140



10

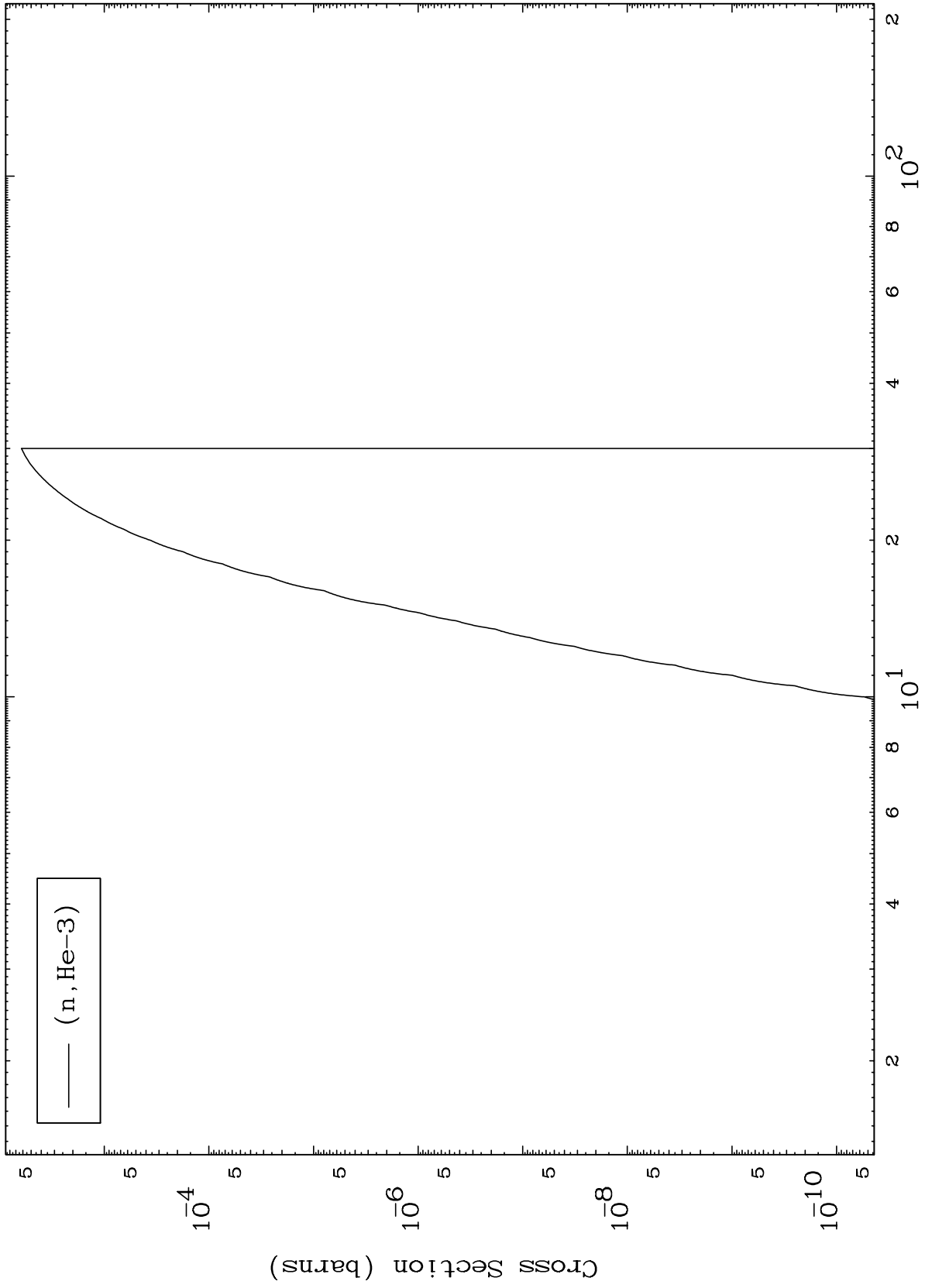
Incident Energy (MeV)

61-Pm-140

MAT 6129

(n,He3) Levels
293 Kelvin Cross Sections

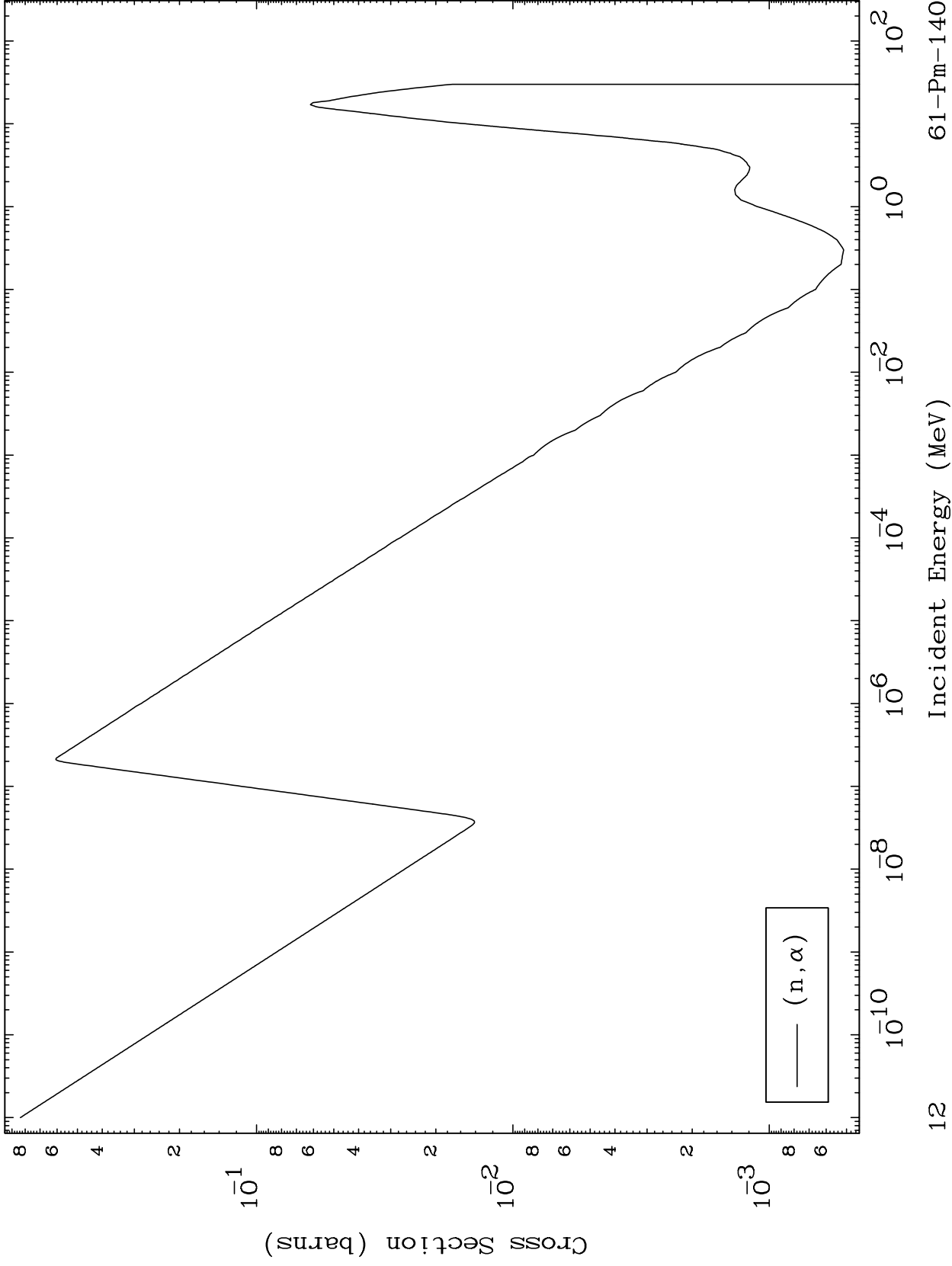
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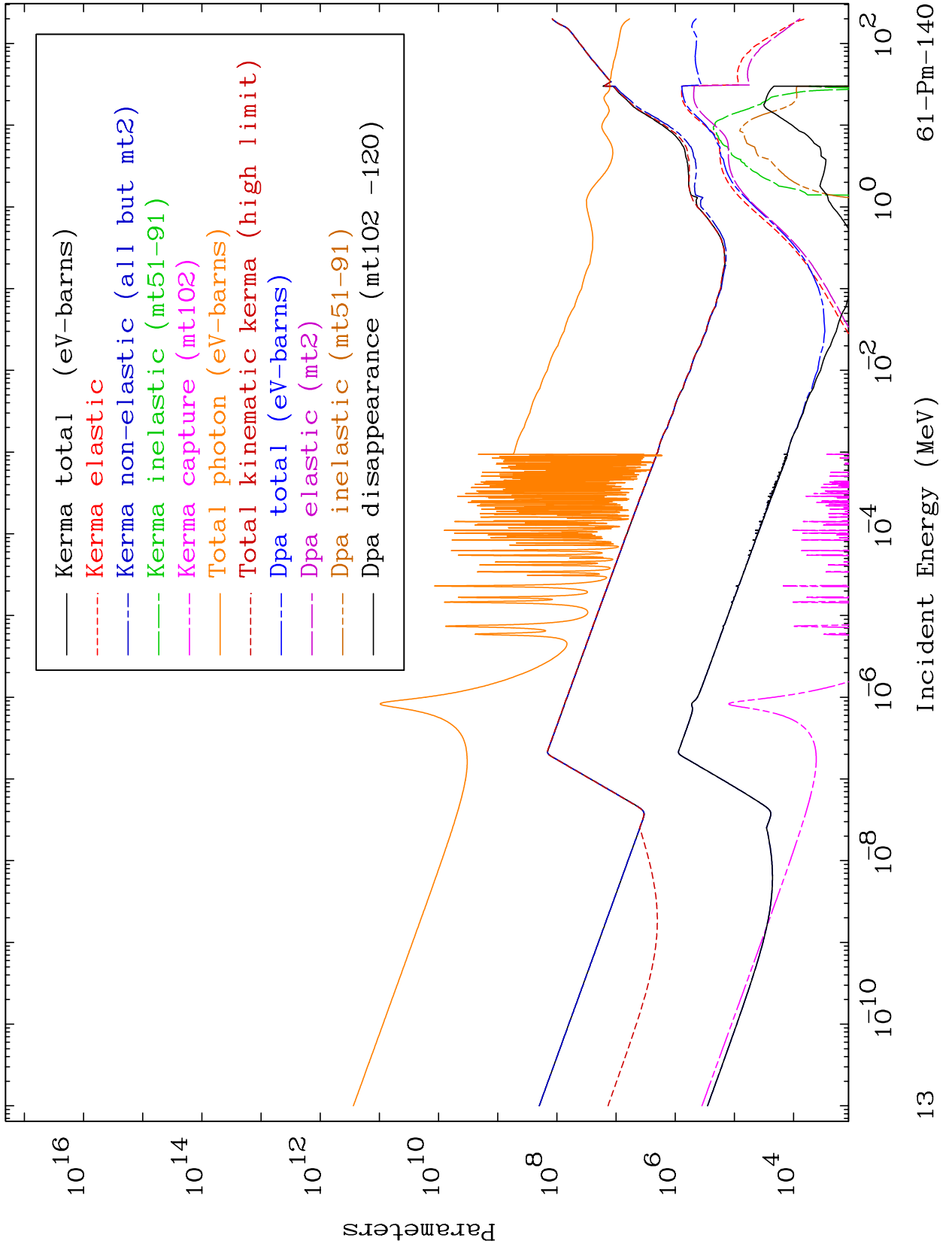


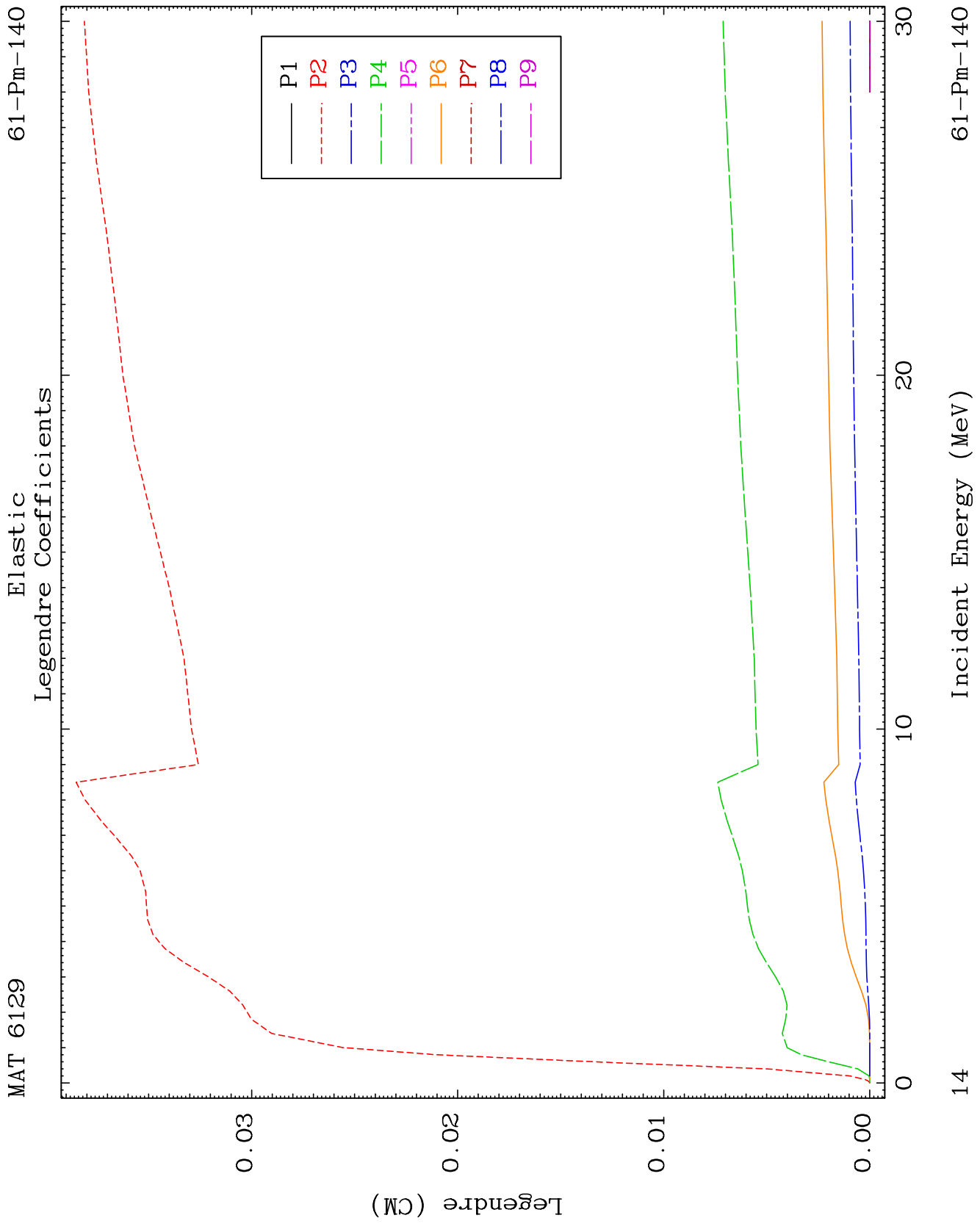
MAT 6129

(n, α) Levels
293 Kelvin Cross Sections

61-Pm-140



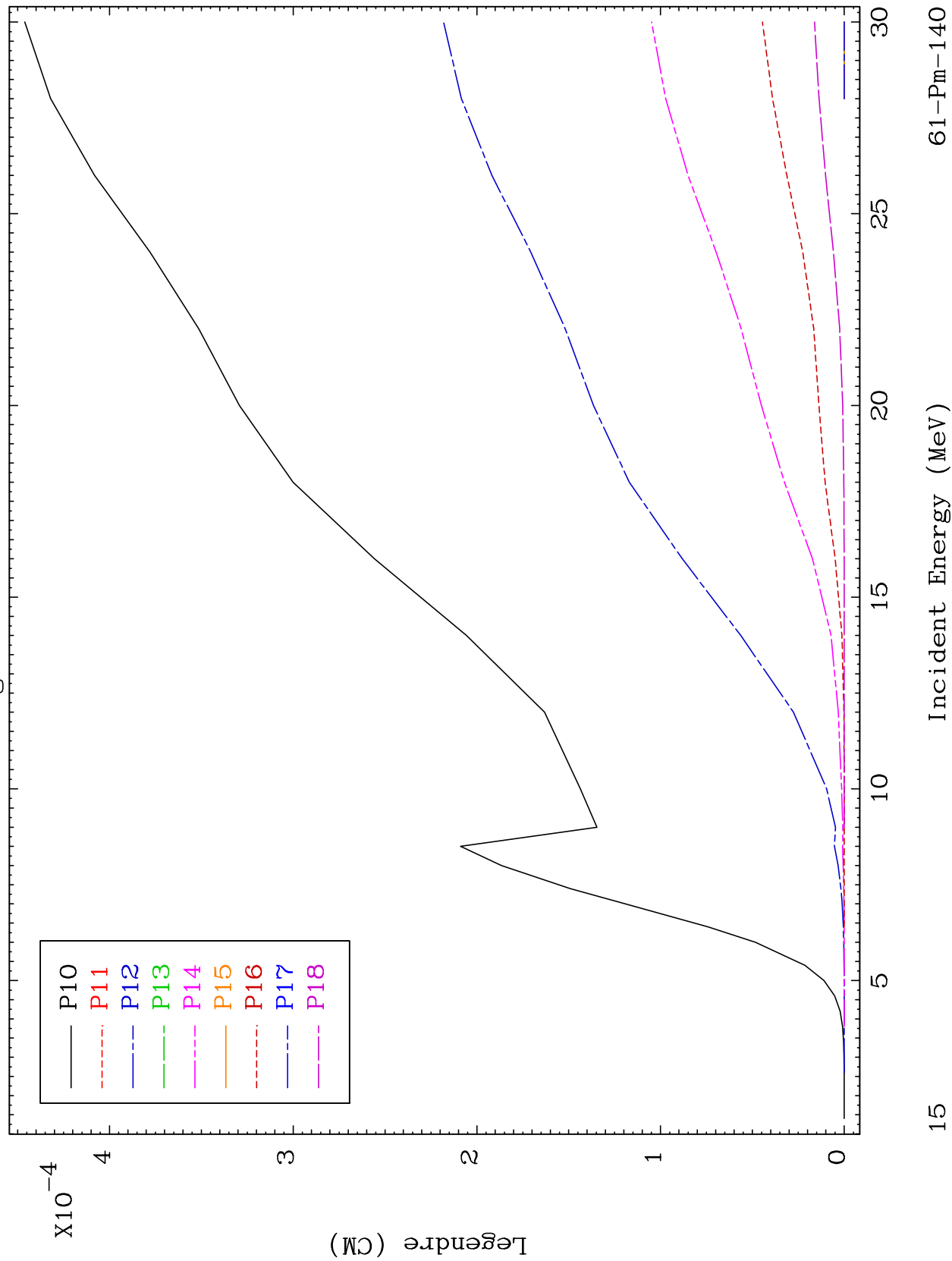




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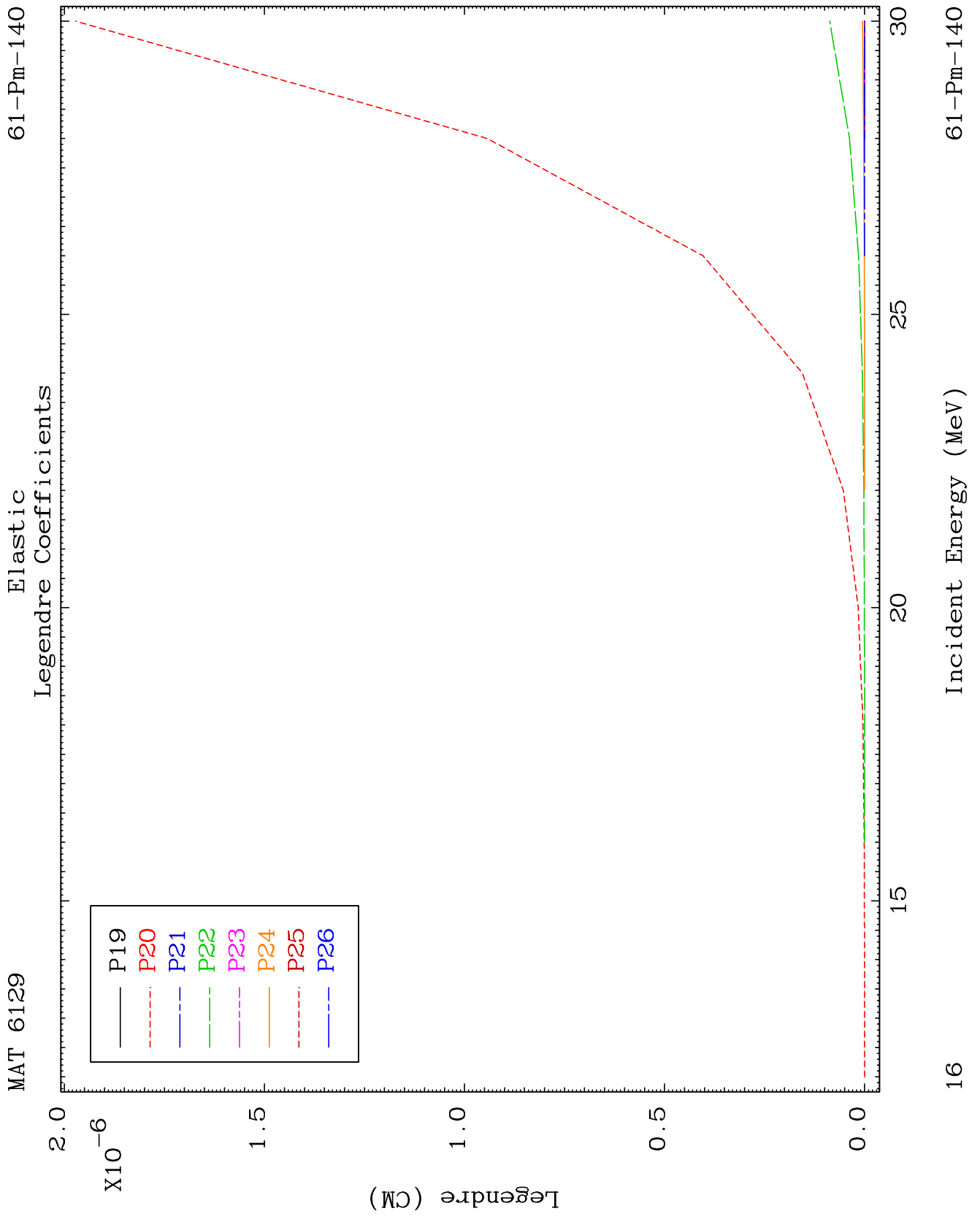
Elastic Legendre Coefficients

61-Pm-140



15

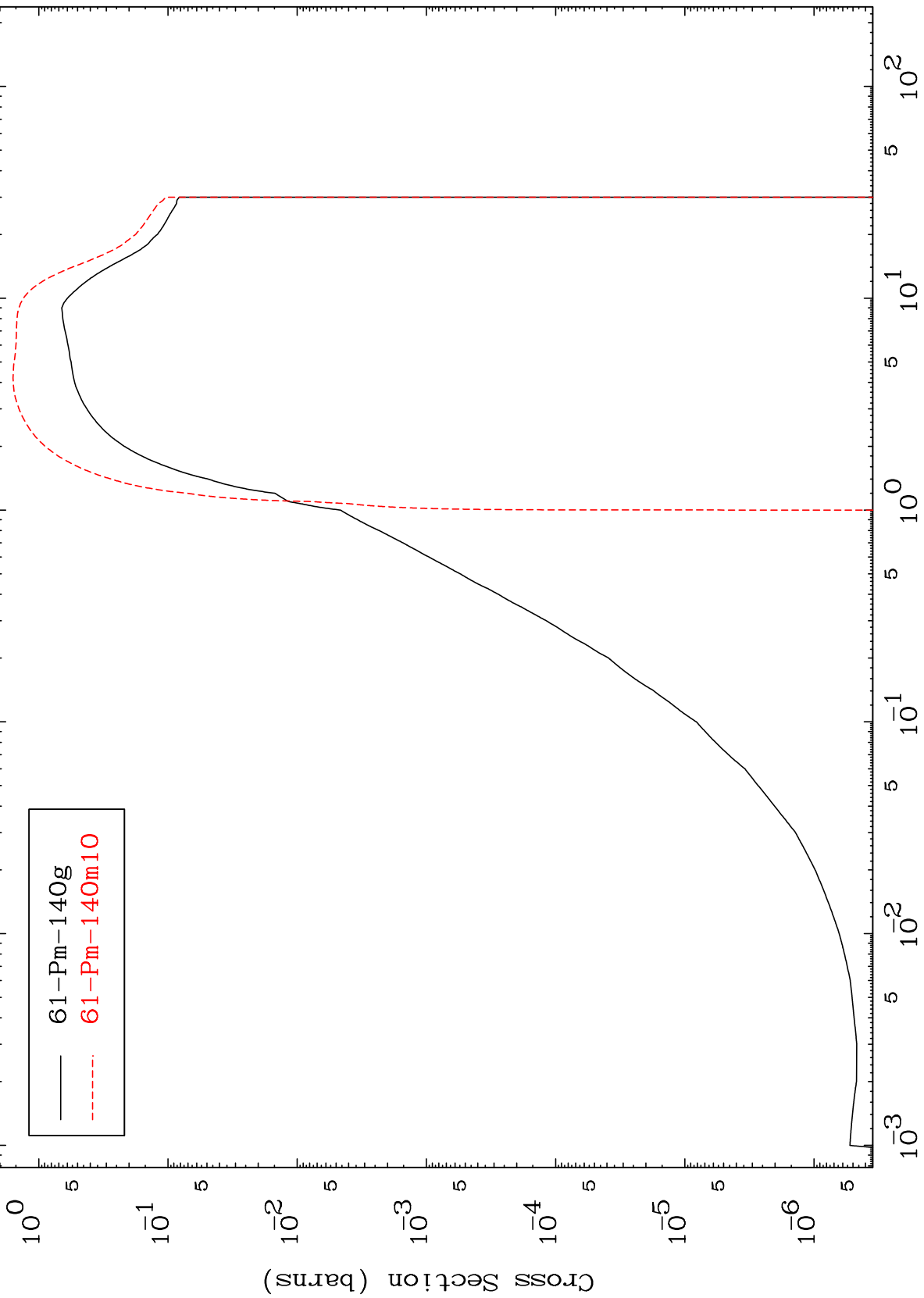
61-Pm-140



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61-Pm-140

Inelastic
Radionuclide Production Cross Section



61-Pm-140g
61-Pm-140m10

61-Pm-140

Incident Energy (MeV)

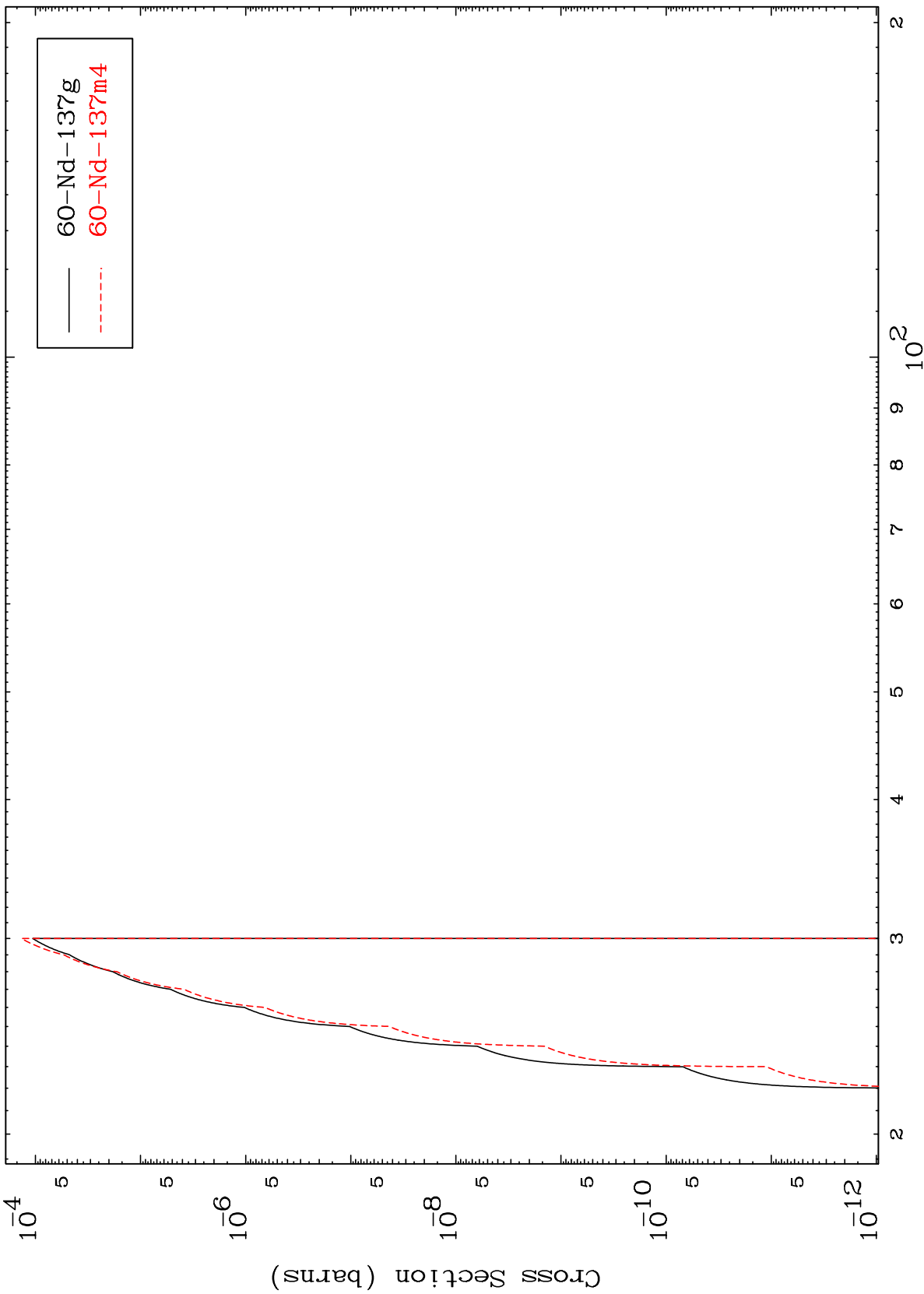
17

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(n,2n) d

61-Pm-140

Radionuclide Production Cross Section



18

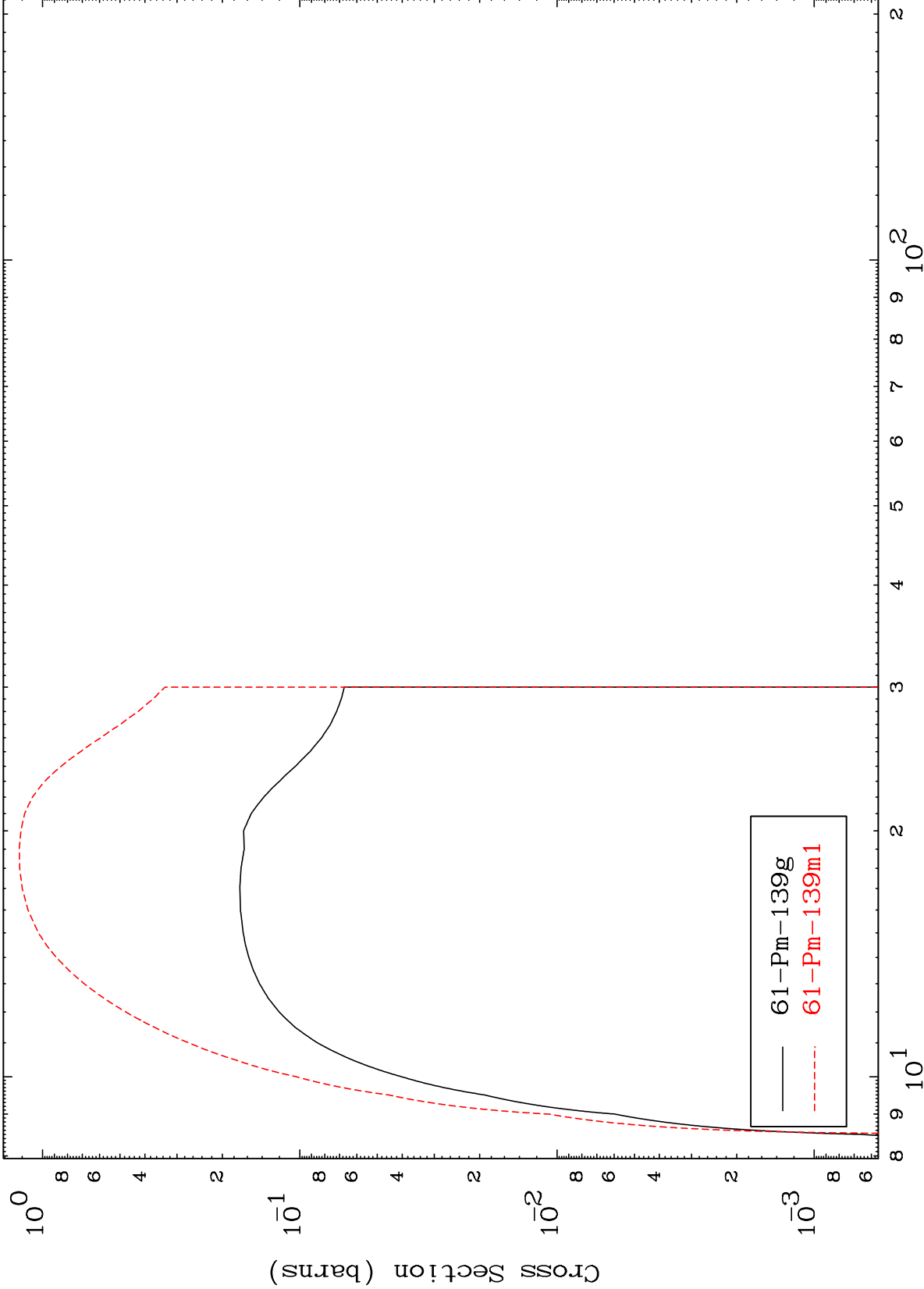
Incident Energy (MeV)

61-Pm-140

MAT 6129

61-Pm-140

(n,2n)
Radionuclide Production Cross Section



61-Pm-140

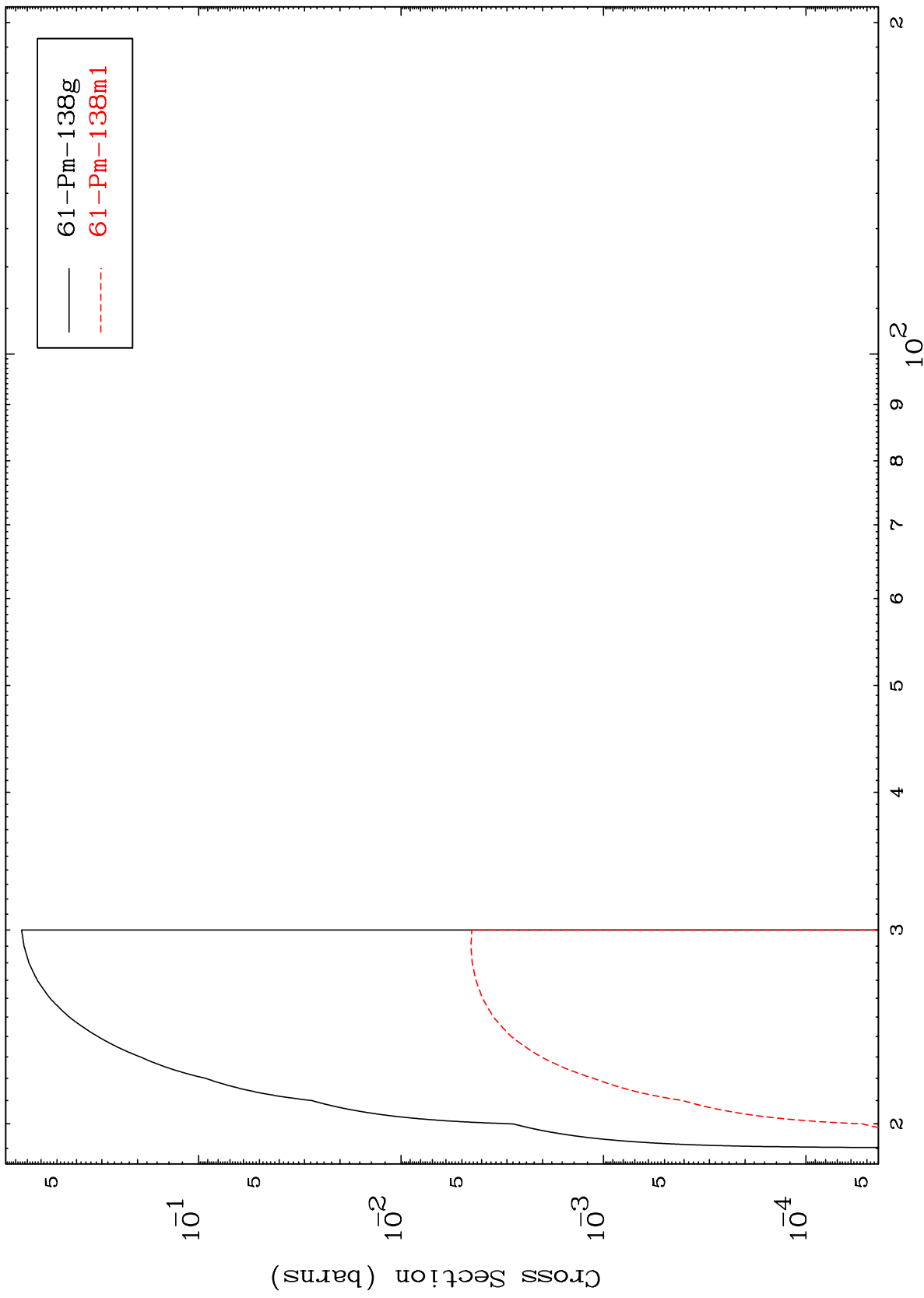
Incident Energy (MeV)

19

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61-Pm-140

(n,3n)
Radionuclide Production Cross Section



61-Pm-140

Incident Energy (MeV)

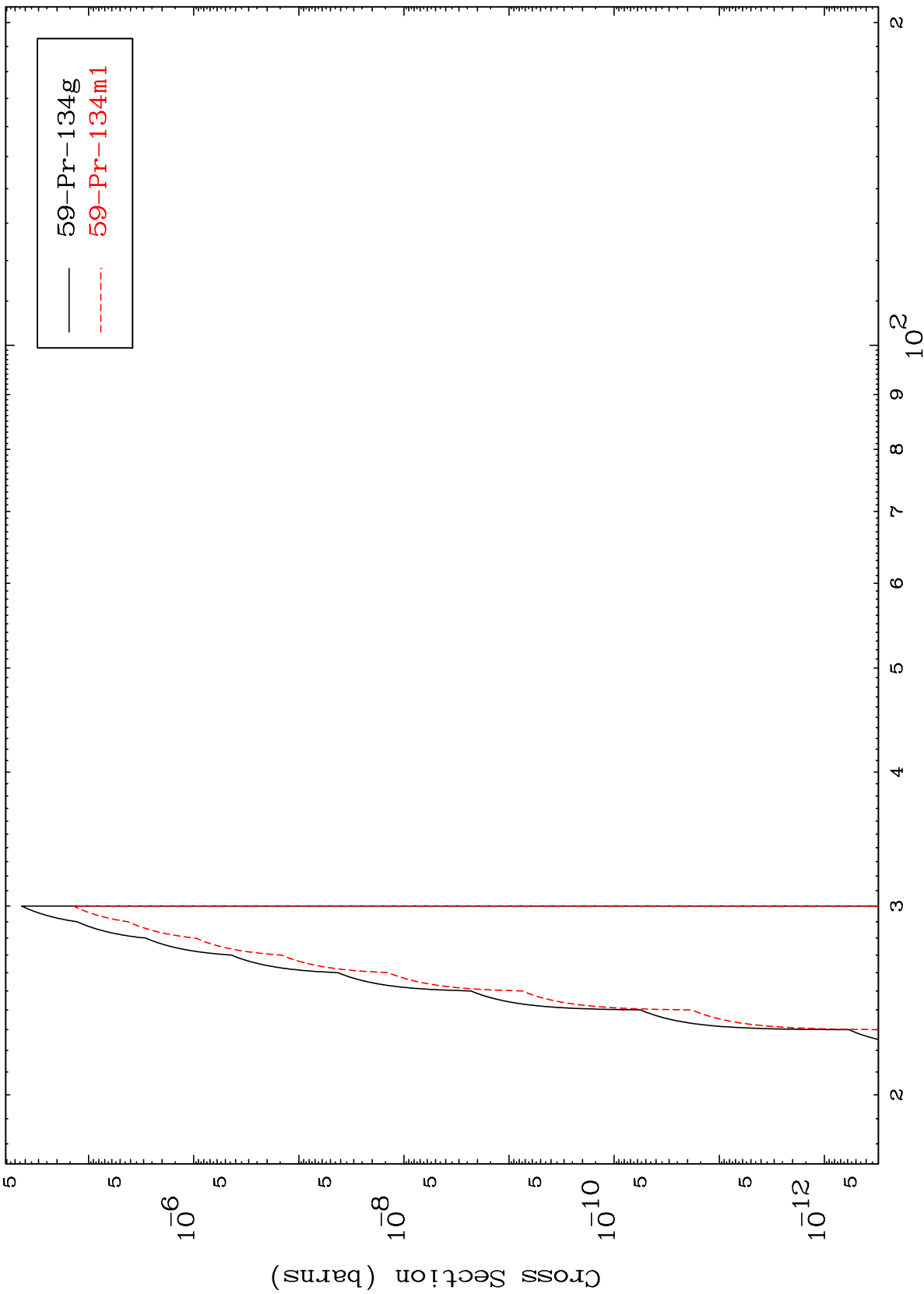
20

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(n,3n) α

61-Pm-140

Radionuclide Production Cross Section



21

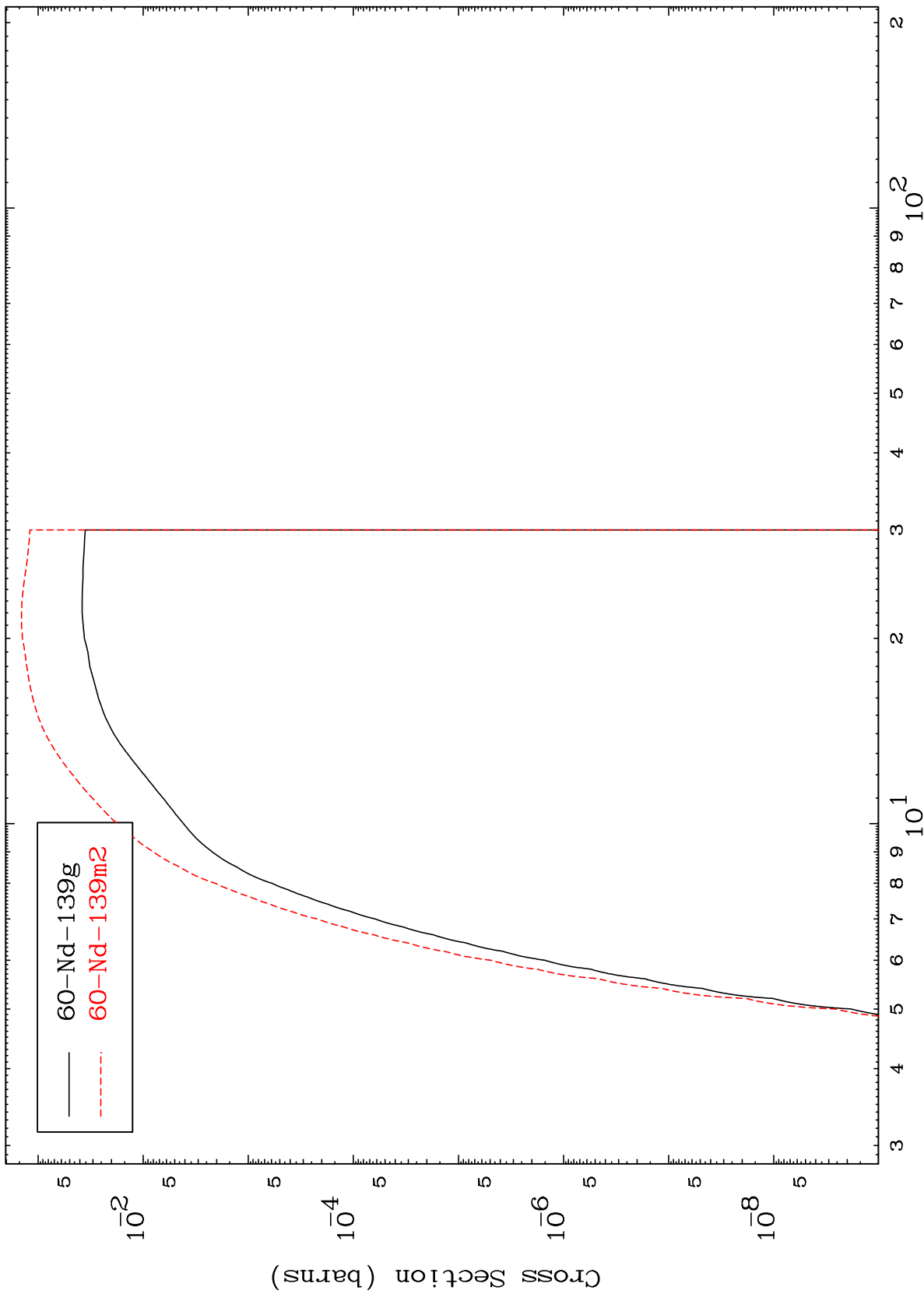
Incident Energy (MeV)

61-Pm-140

MAT 6129

61-Pm-140

(n,n') p
Radionuclide Production Cross Section



— 60-Nd-139g
- - - 60-Nd-139m2

61-Pm-140

Incident Energy (MeV)

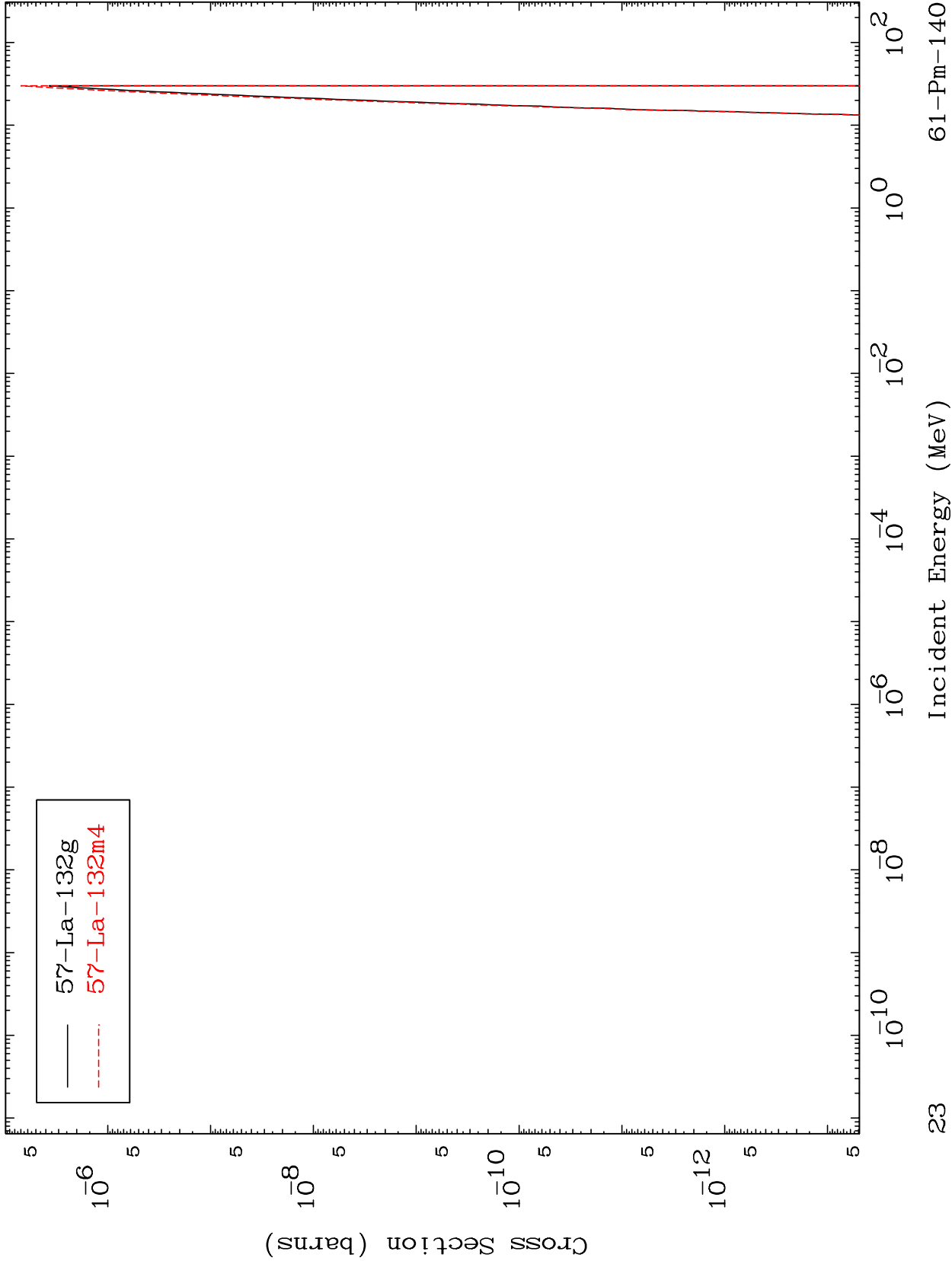
22

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(n,n') 2α

61-Pm-140

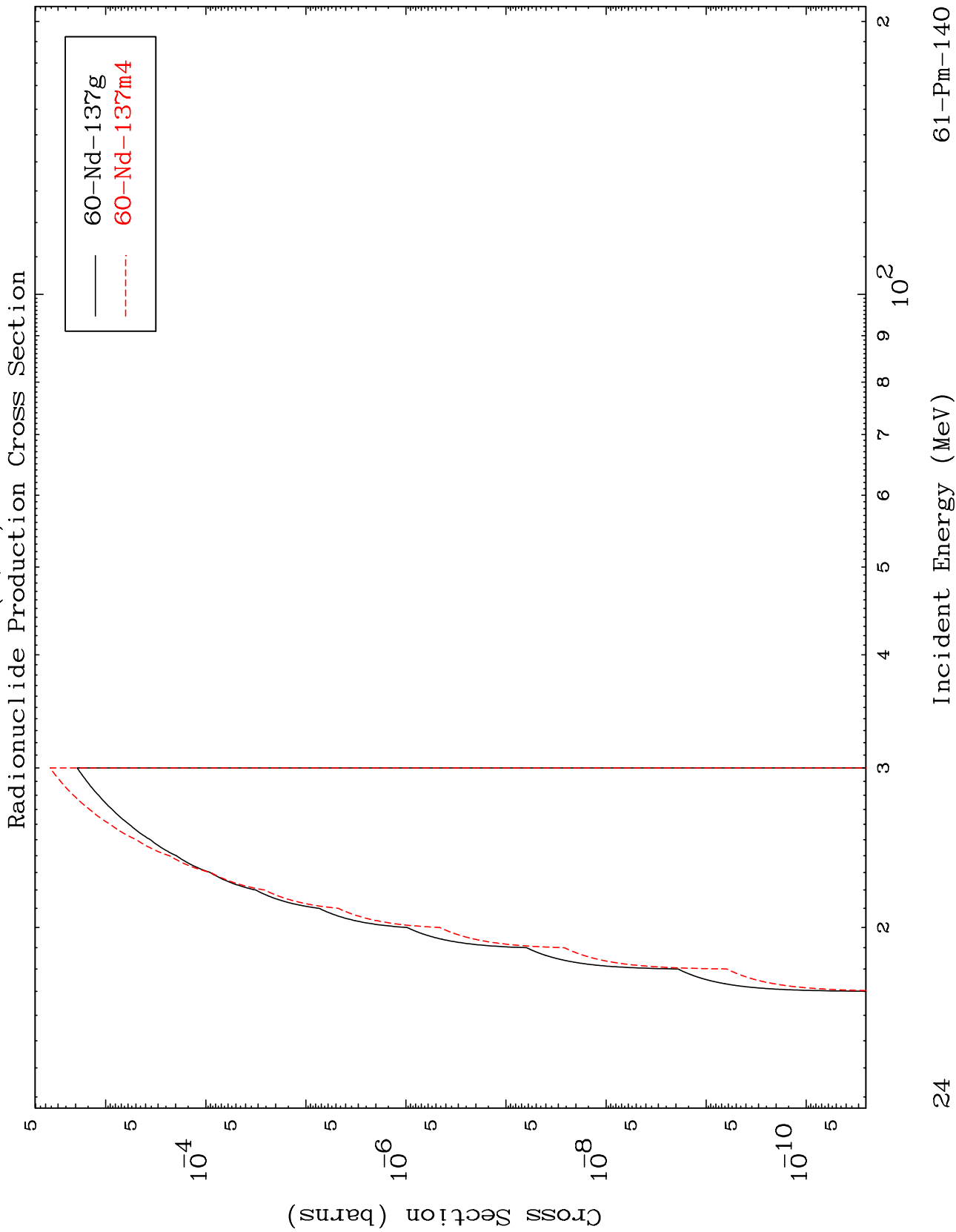
Radionuclide Production Cross Section



MAT 6129

(n,n') t

61-Pm-140

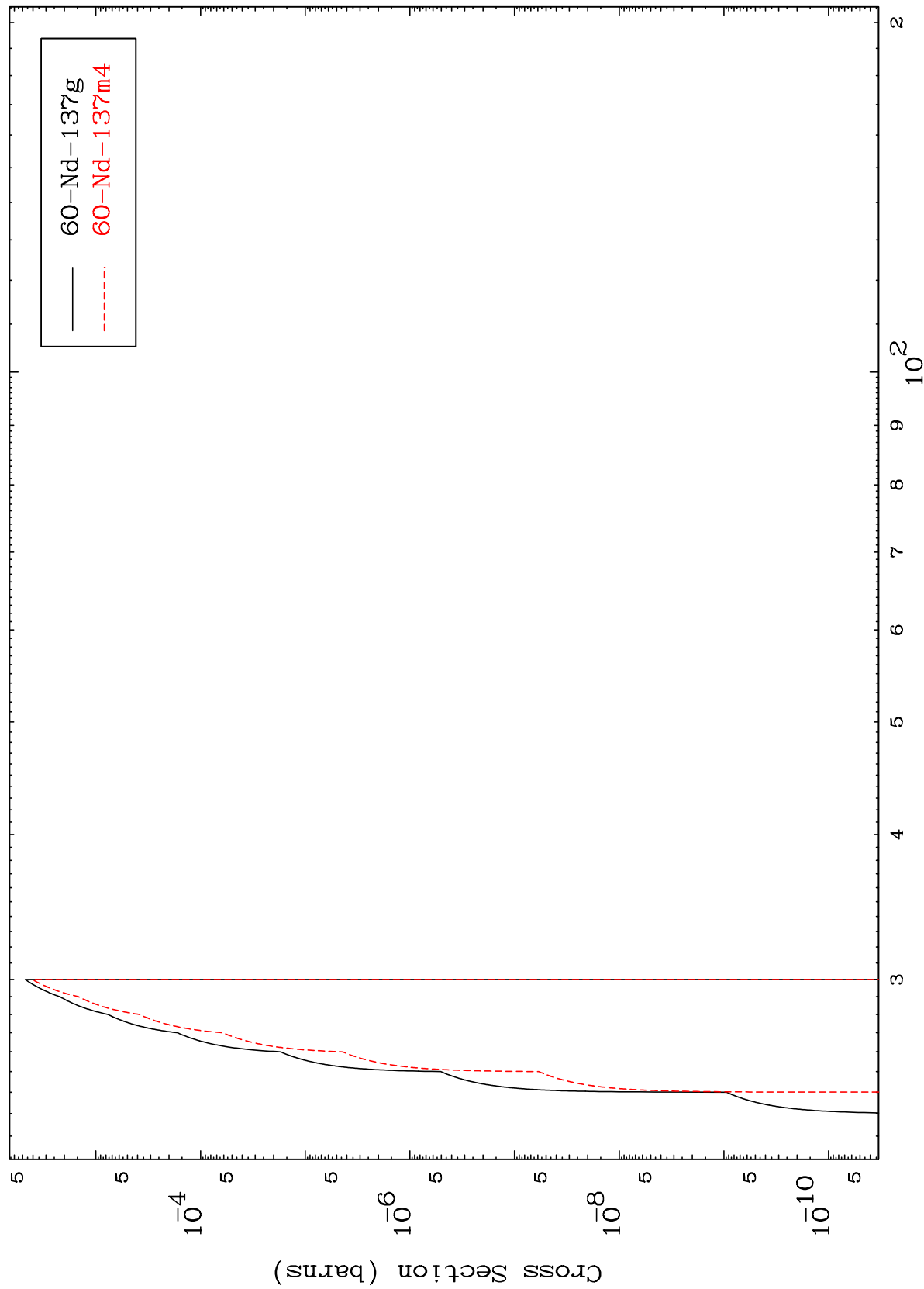


24

Incident Energy (MeV)

61-Pm-140

Radionuclide Production Cross Section

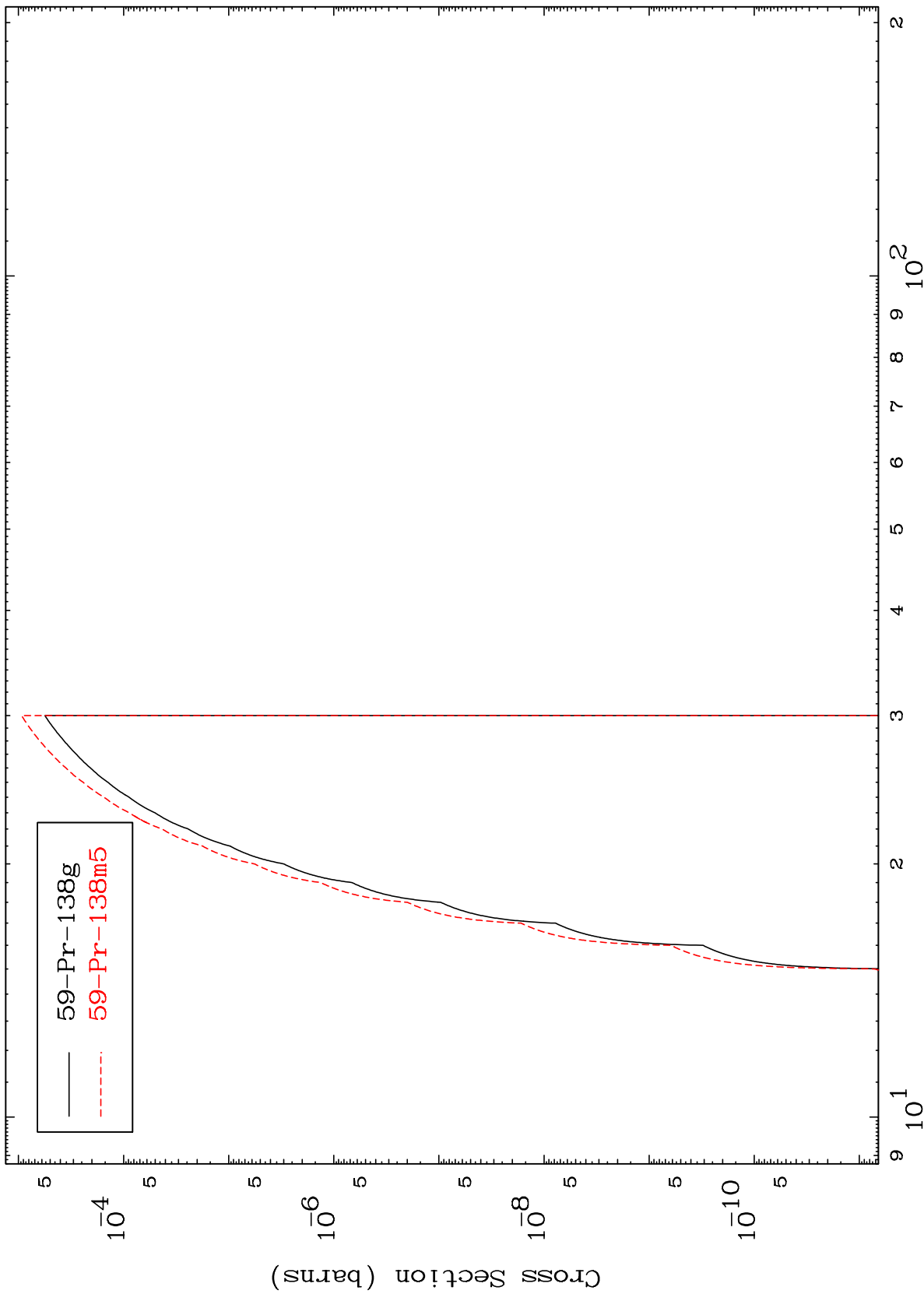


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(n,2n) p

61-Pm-140

Radionuclide Production Cross Section



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

Incident Energy (MeV)

61-Pm-140

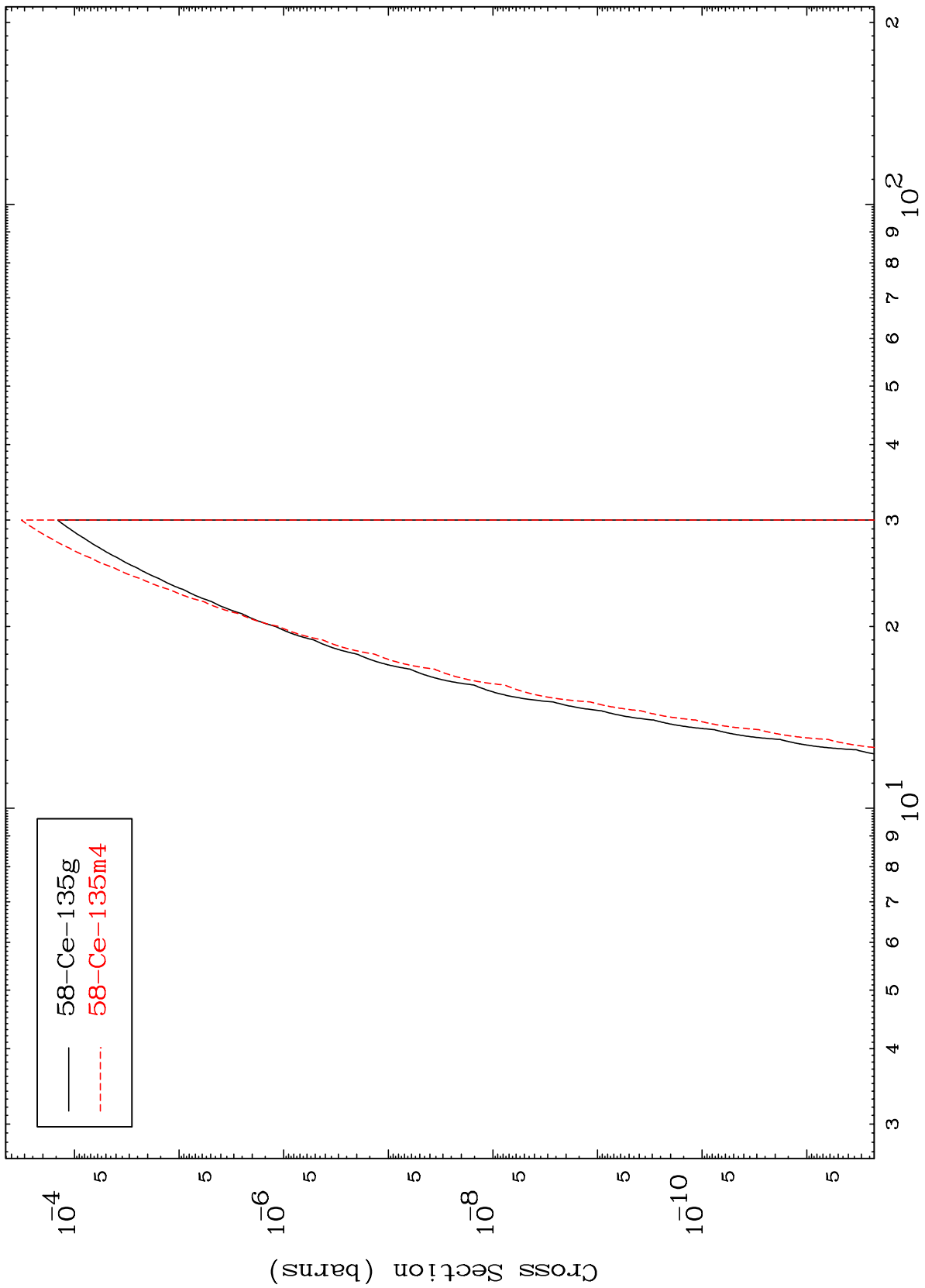
26

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(n,n') p α

61-Pm-140

Radionuclide Production Cross Section



— 58-Ce-135g
- - - 58-Ce-135m4

27

Incident Energy (MeV)

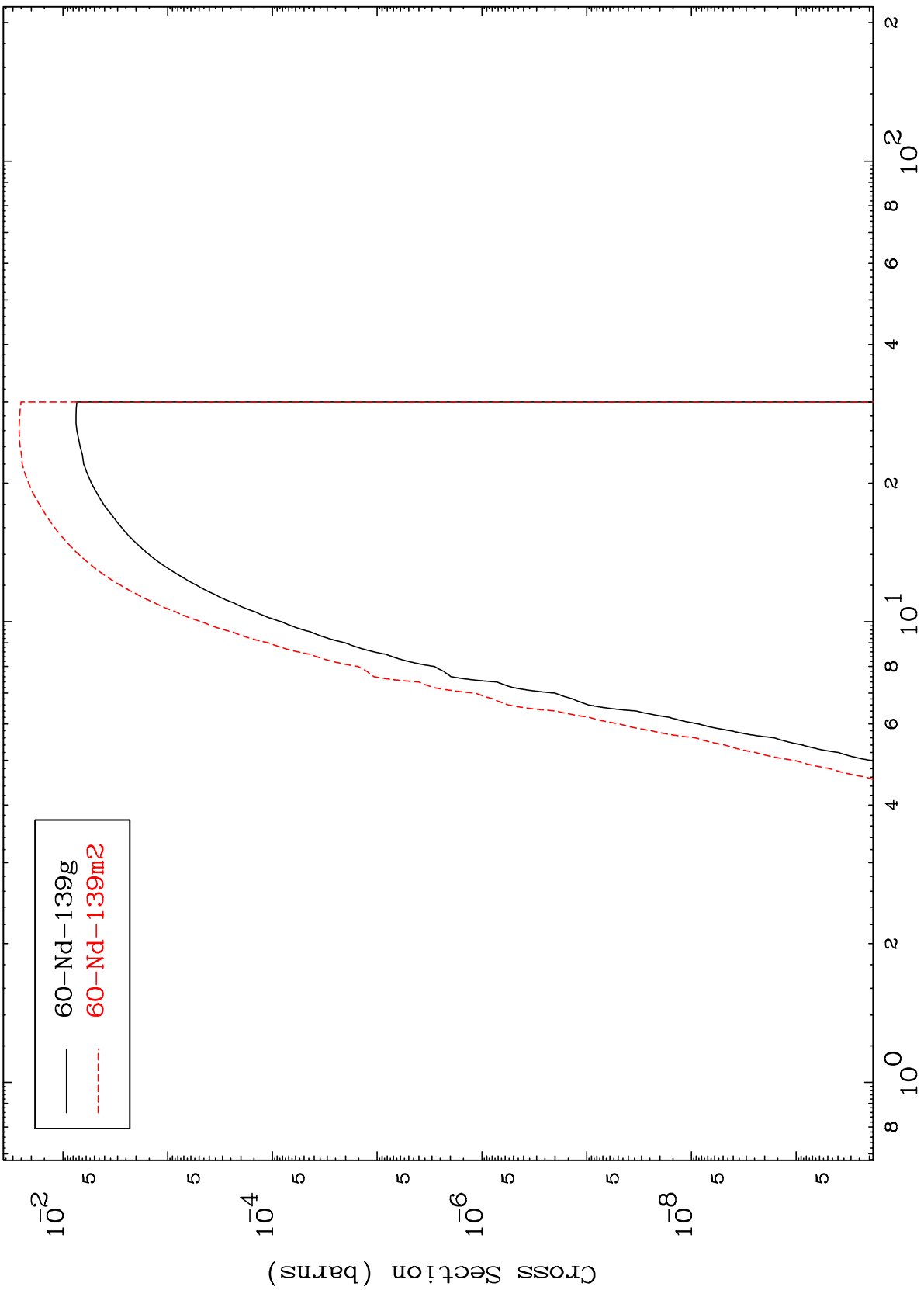
61-Pm-140

MAT 6129

(n,d)

61-Pm-140

Radionuclide Production Cross Section



28

Incident Energy (MeV)

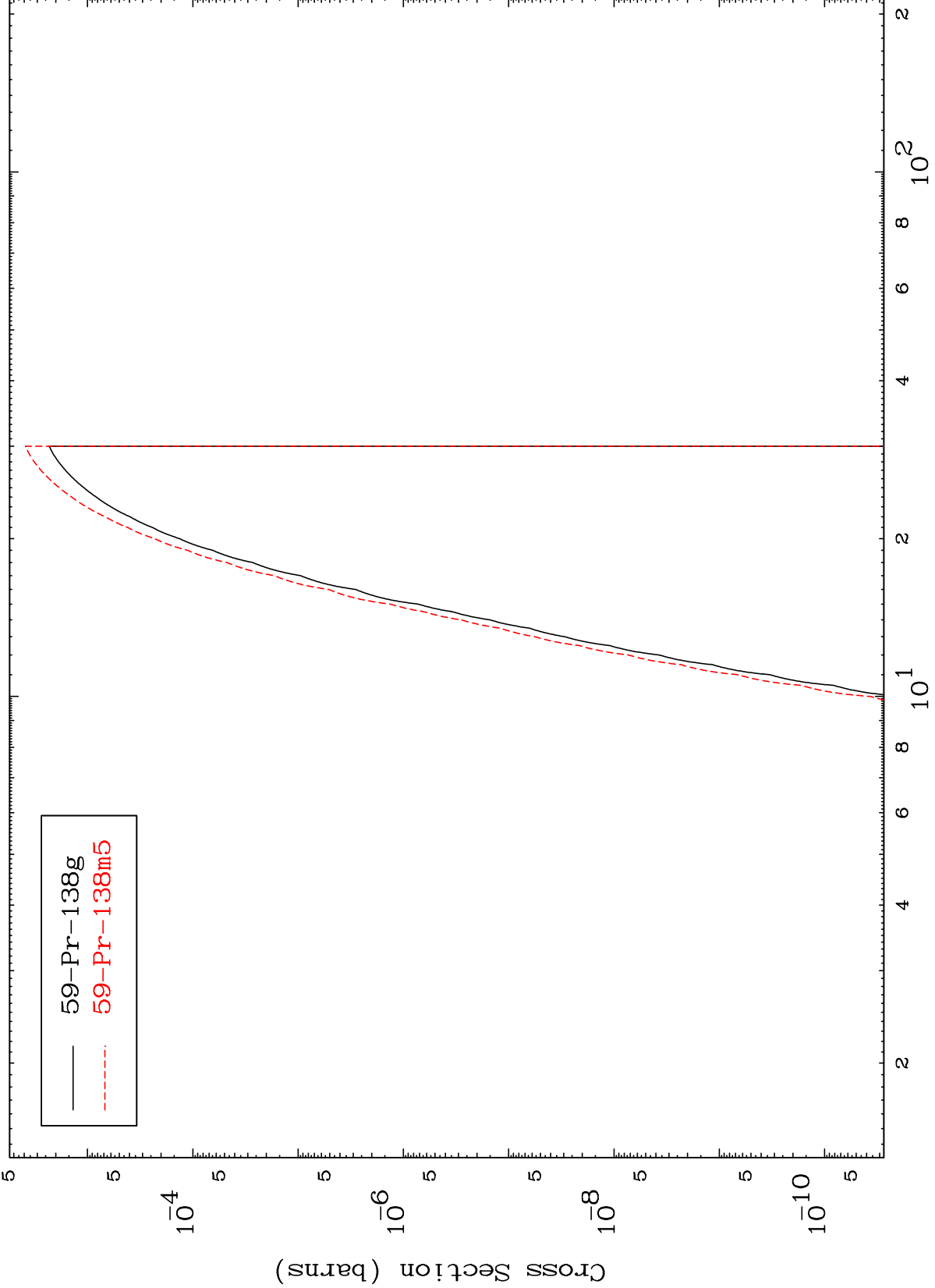
61-Pm-140

MAT 6129

(n,He-3)

61-Pm-140

Radionuclide Production Cross Section



29

Incident Energy (MeV)

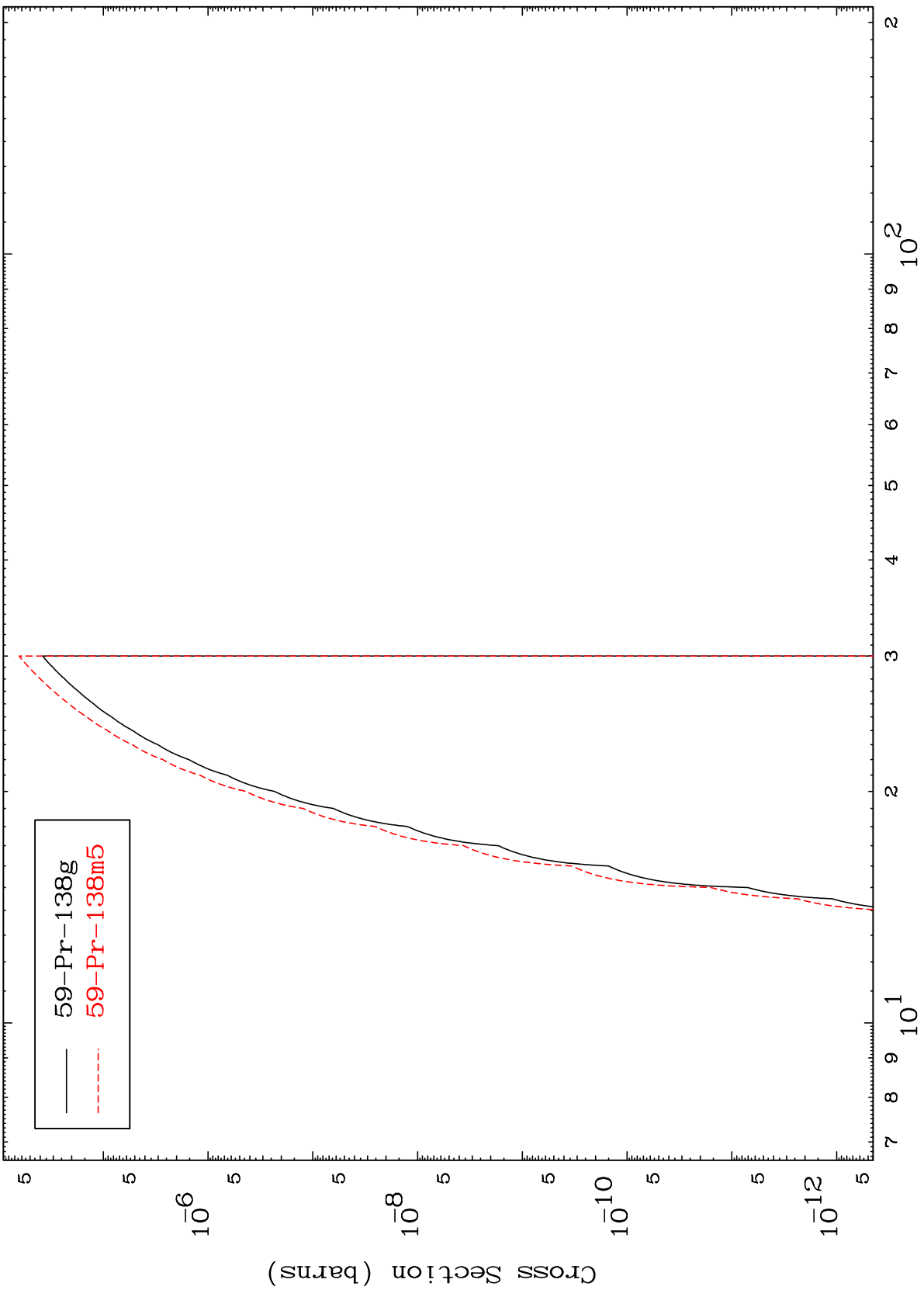
61-Pm-140

MAT 6129

(n,p) d

61-Pm-140

Radionuclide Production Cross Section



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

30

Incident Energy (MeV)

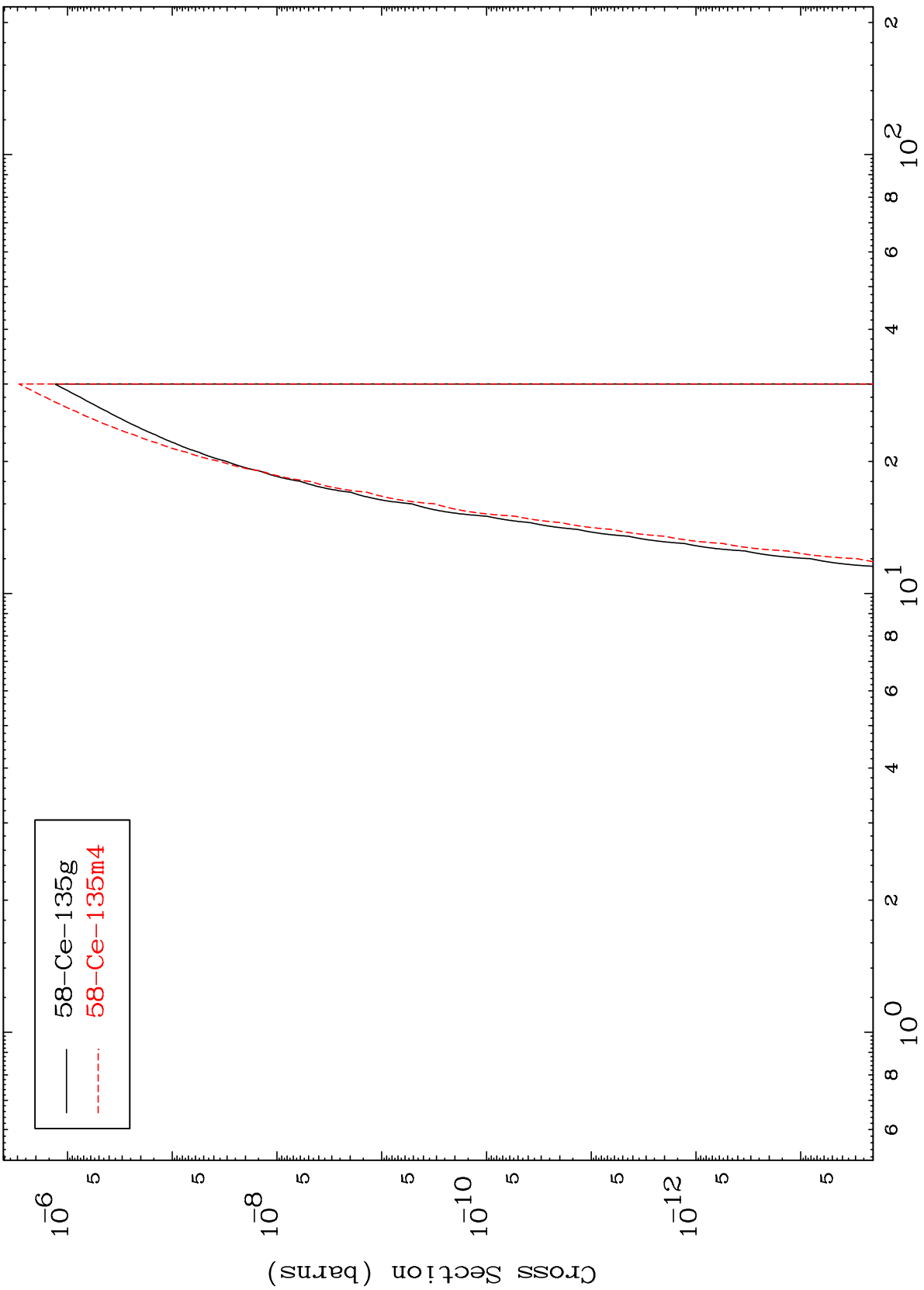
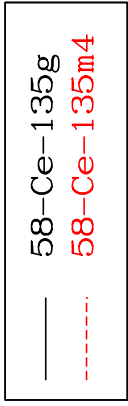
61-Pm-140

MAT 6129

(n,d) α

61-Pm-140

Radionuclide Production Cross Section



31

Incident Energy (MeV)

61-Pm-140