

Program EVALPLOT
(Version 2015-2)

by

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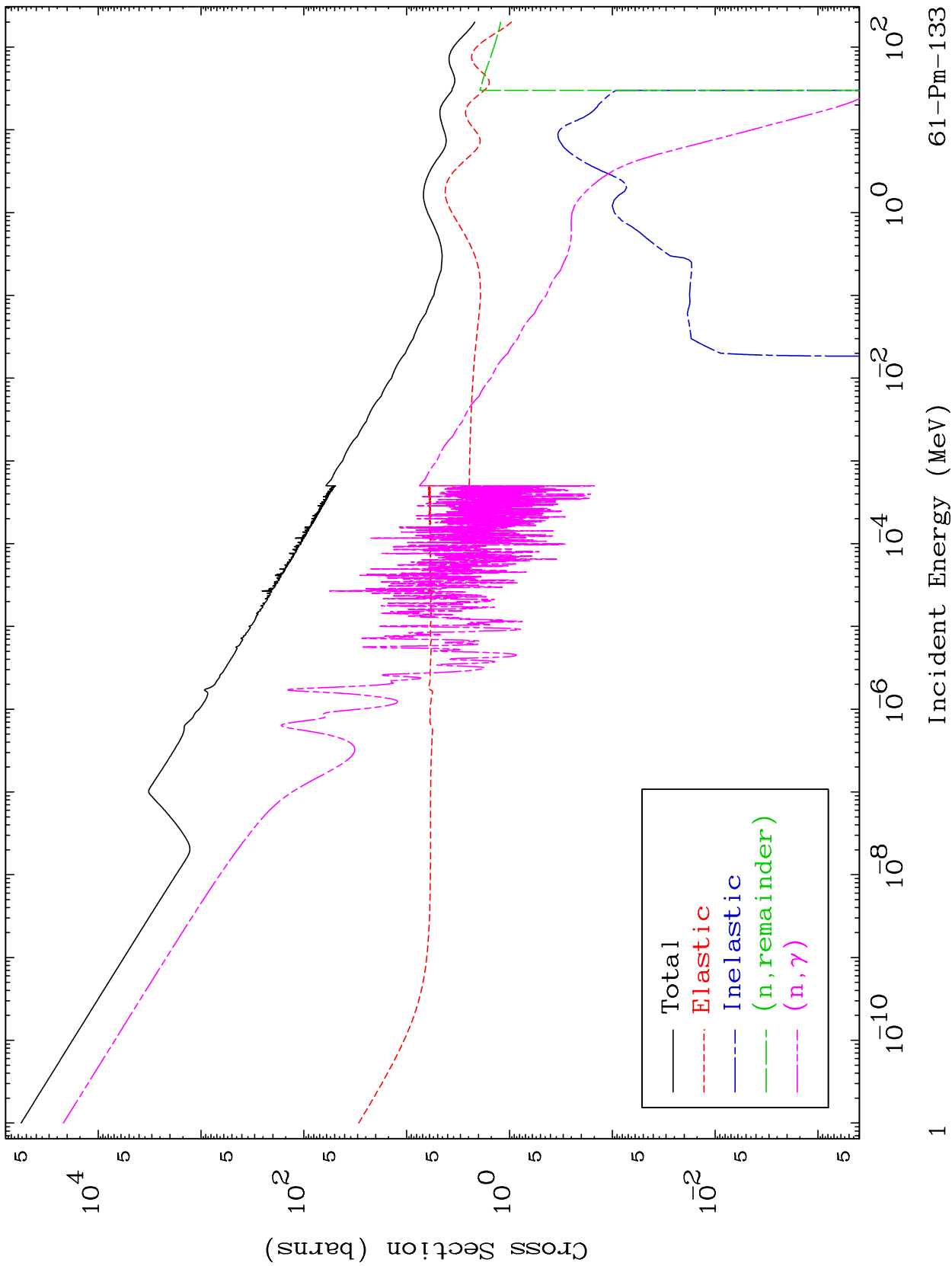
Press Mouse Button to Start

MAT 6108

Major

293 Kelvin Cross Sections

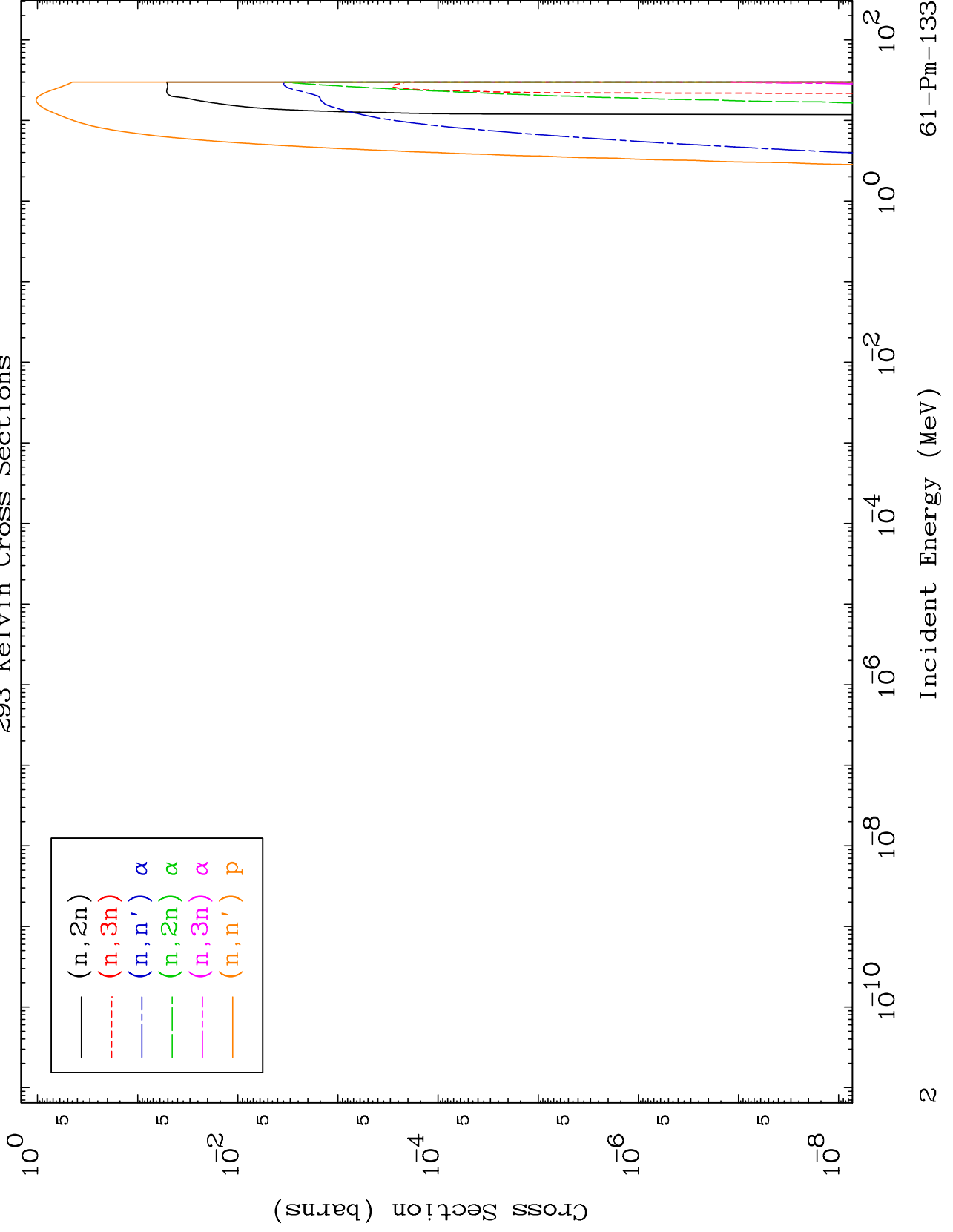
61-Pm-133



MAT 6108

Neutron Production
293 Kelvin Cross Sections

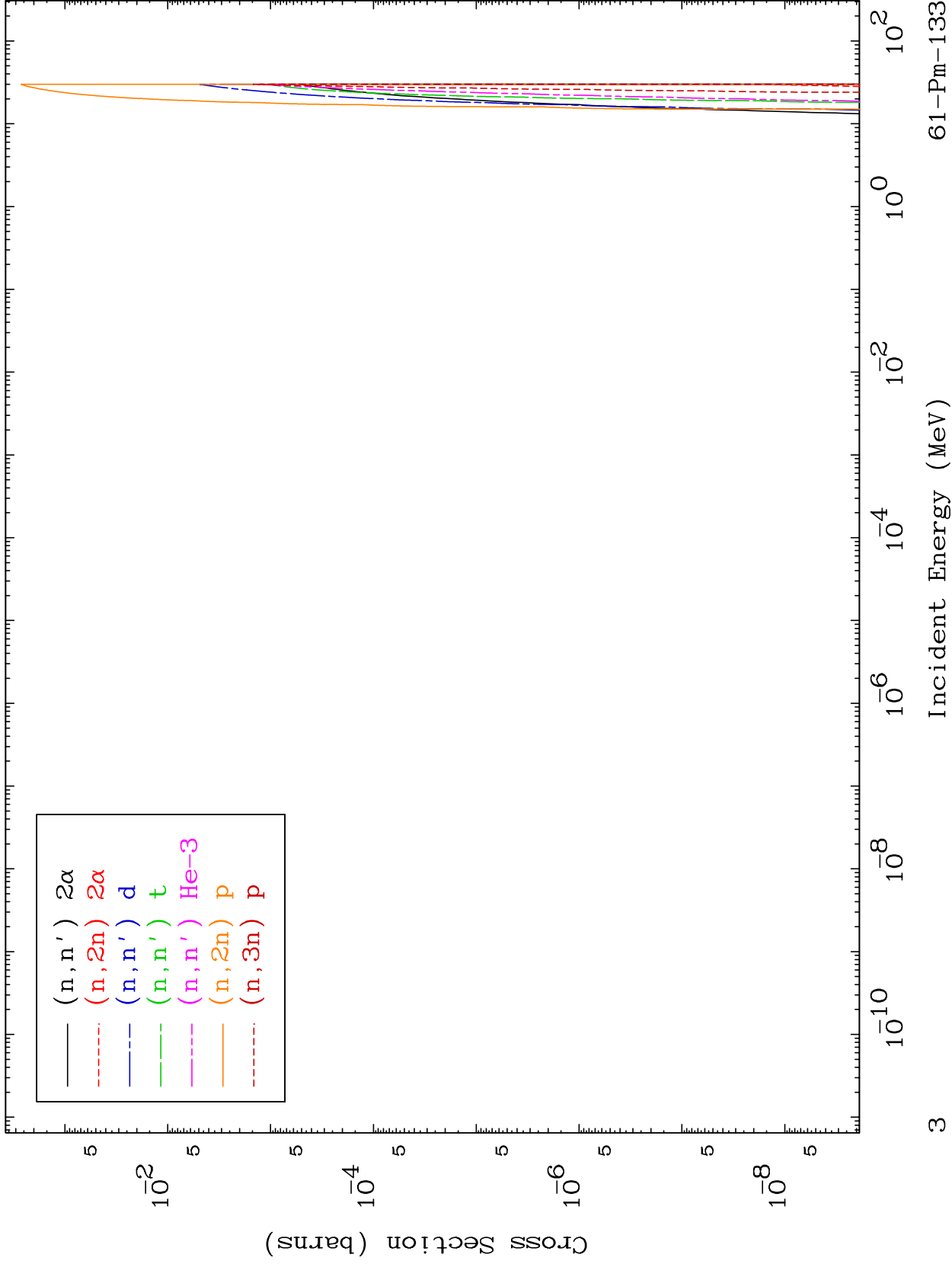
61-Pm-133



MAT 6108

Neutron Production
293 Kelvin Cross Sections

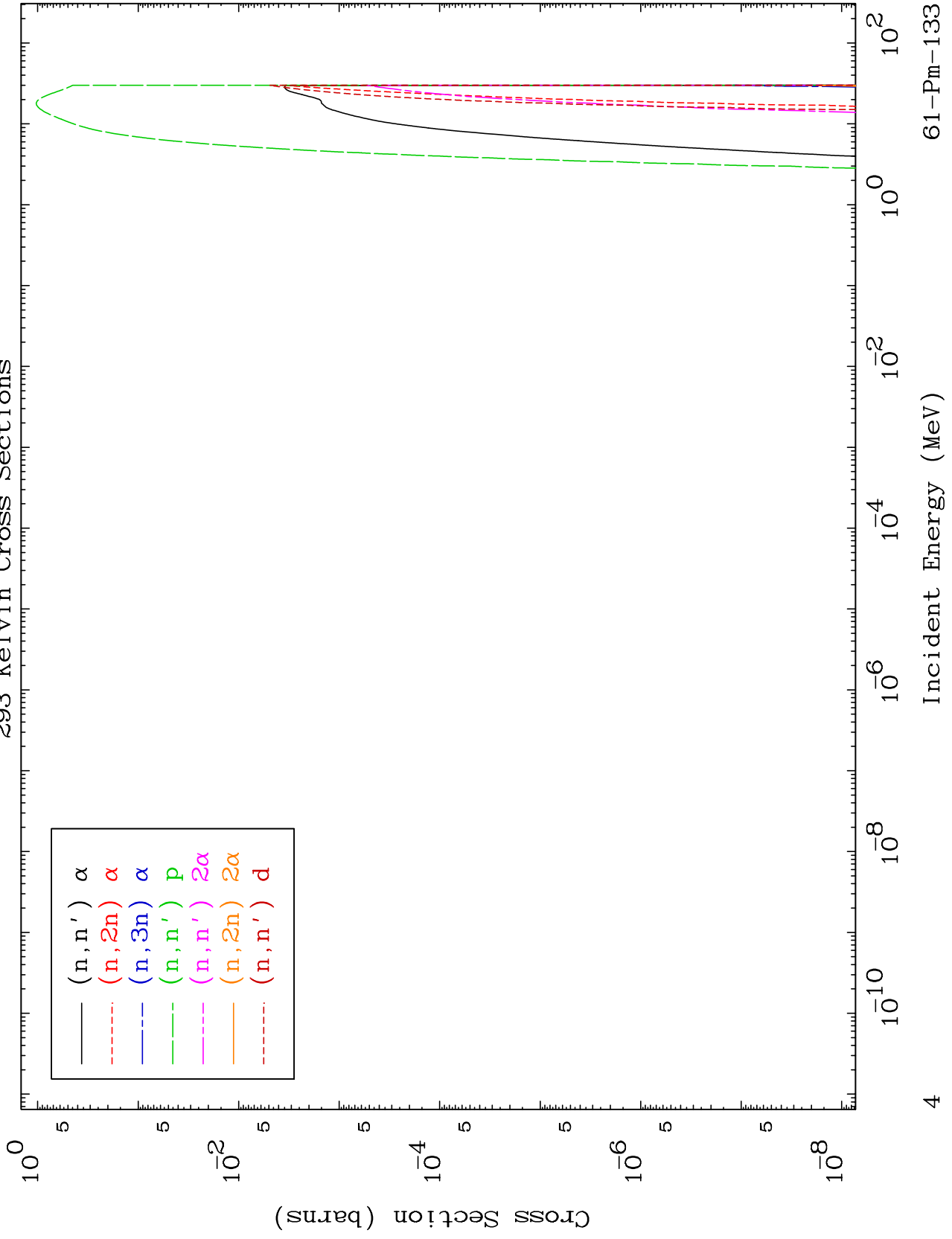
61-Pm-133



MAT 6108

Charged Particle
293 Kelvin Cross Sections

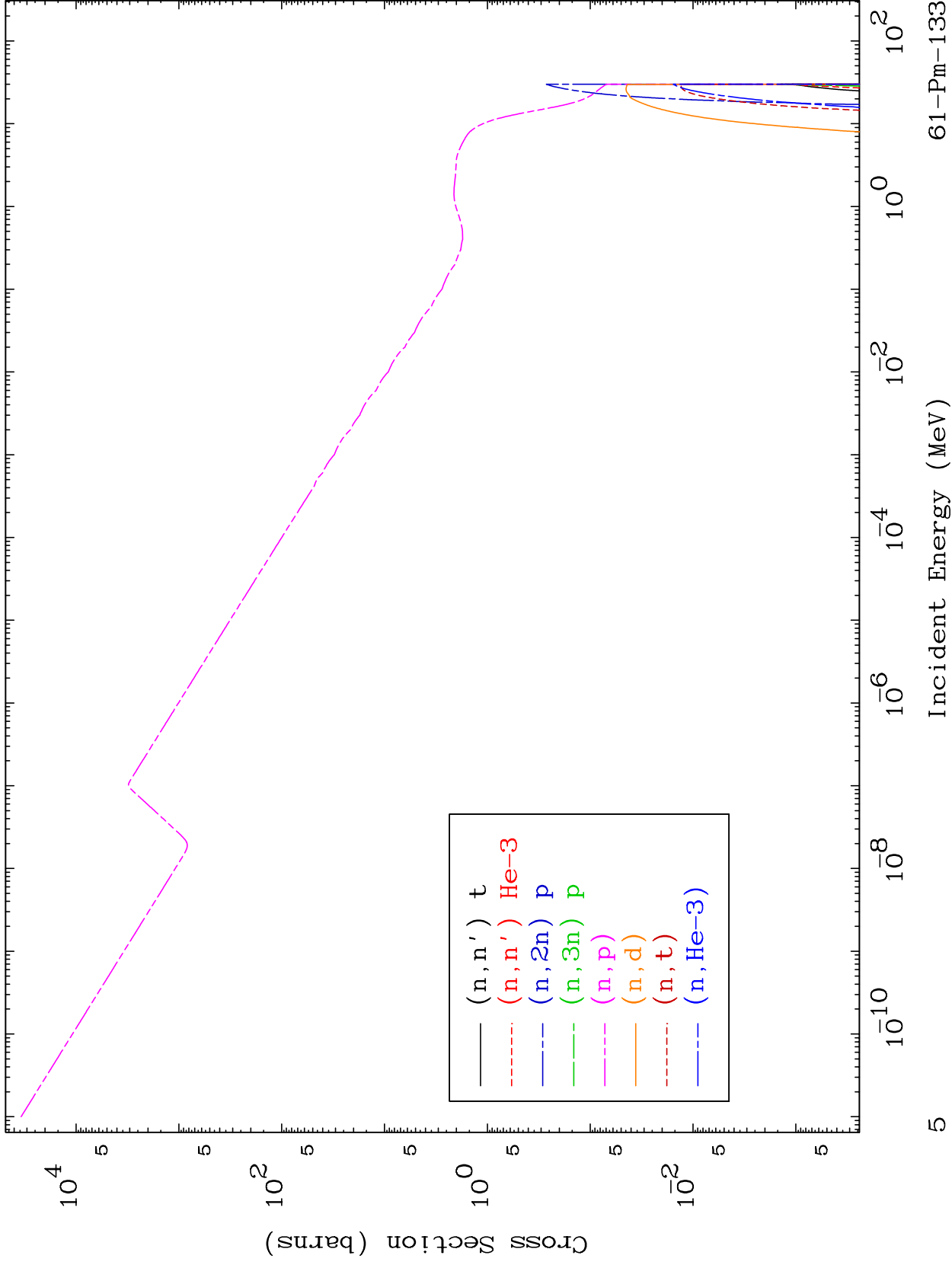
61-Pm-133

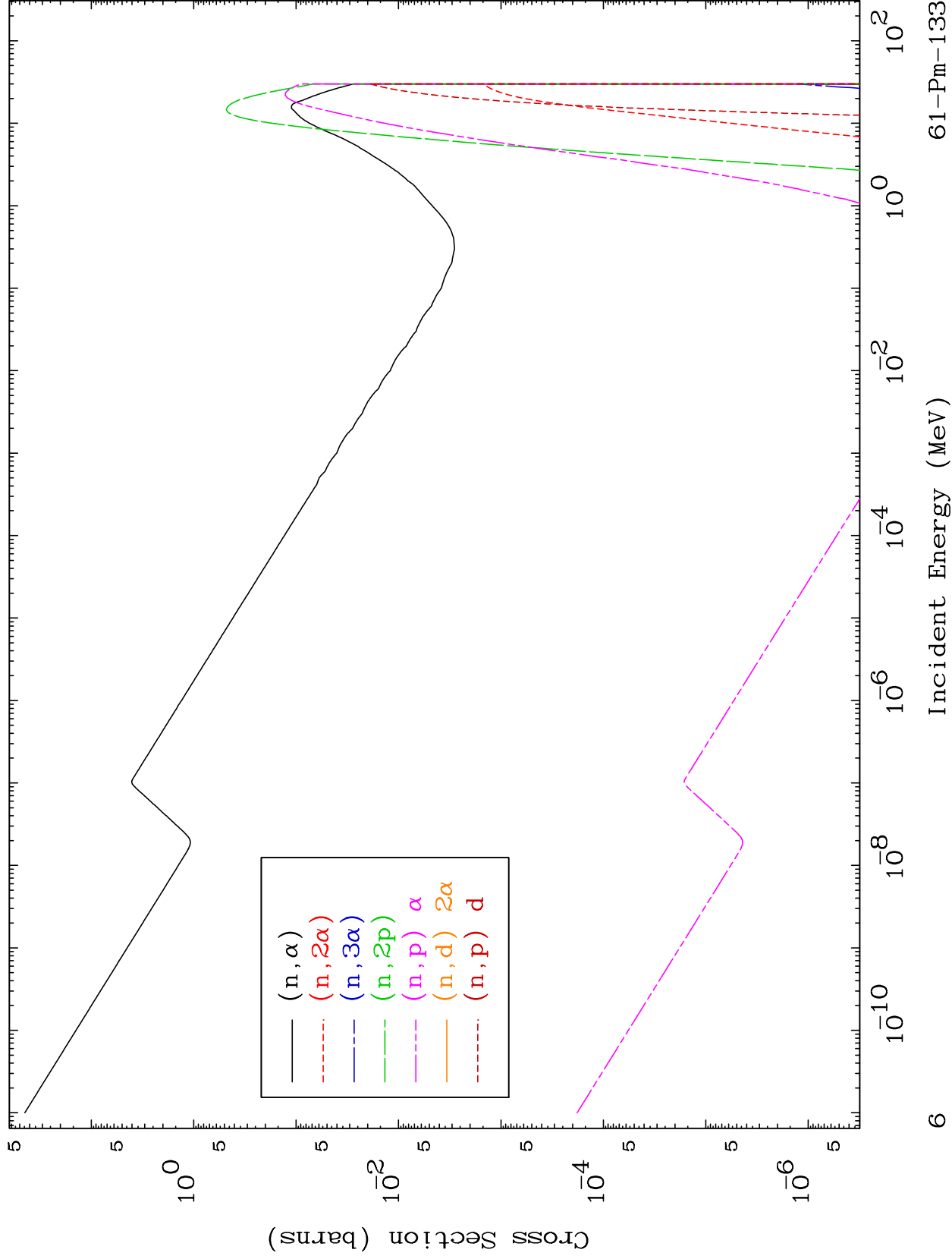


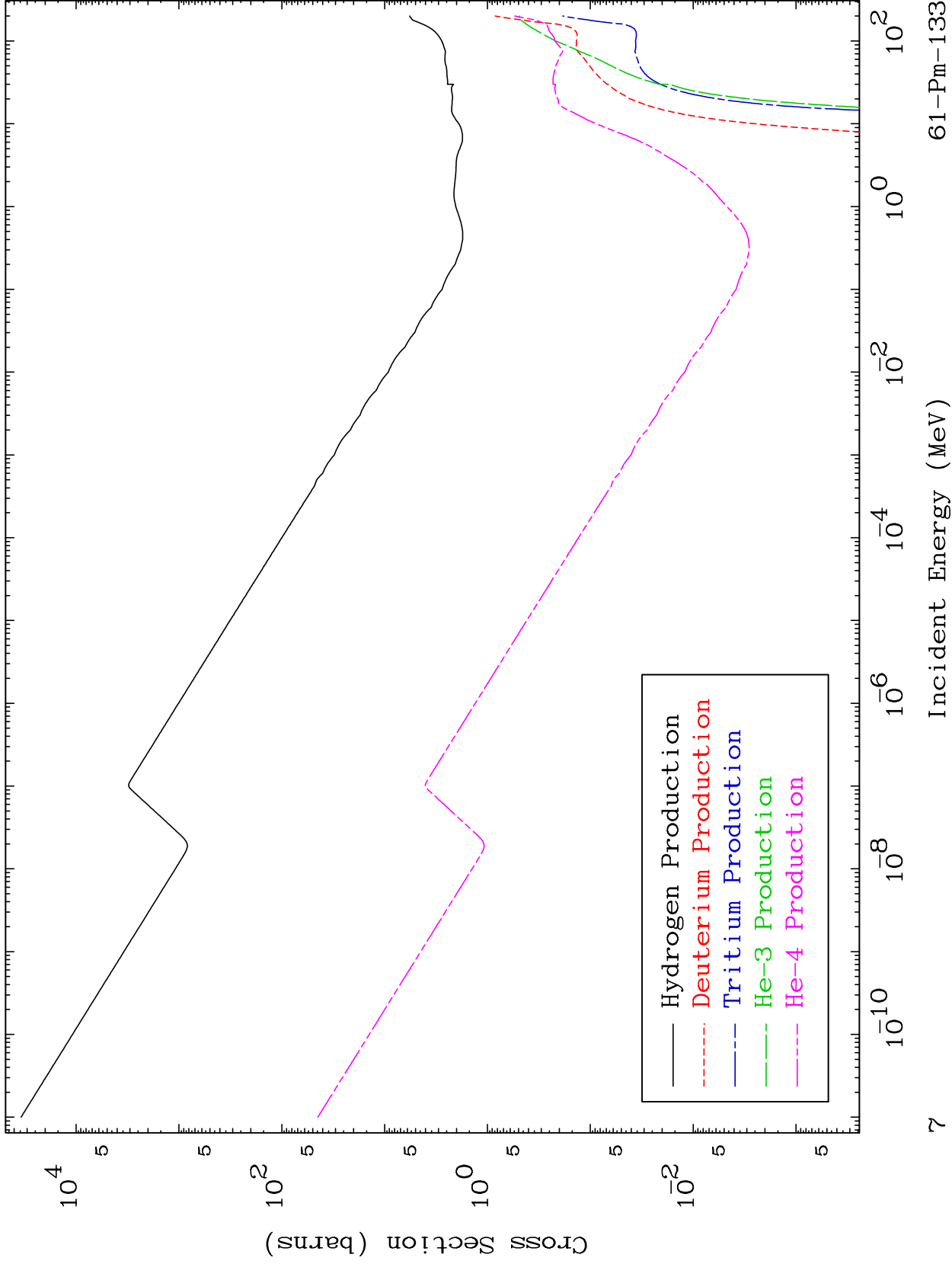
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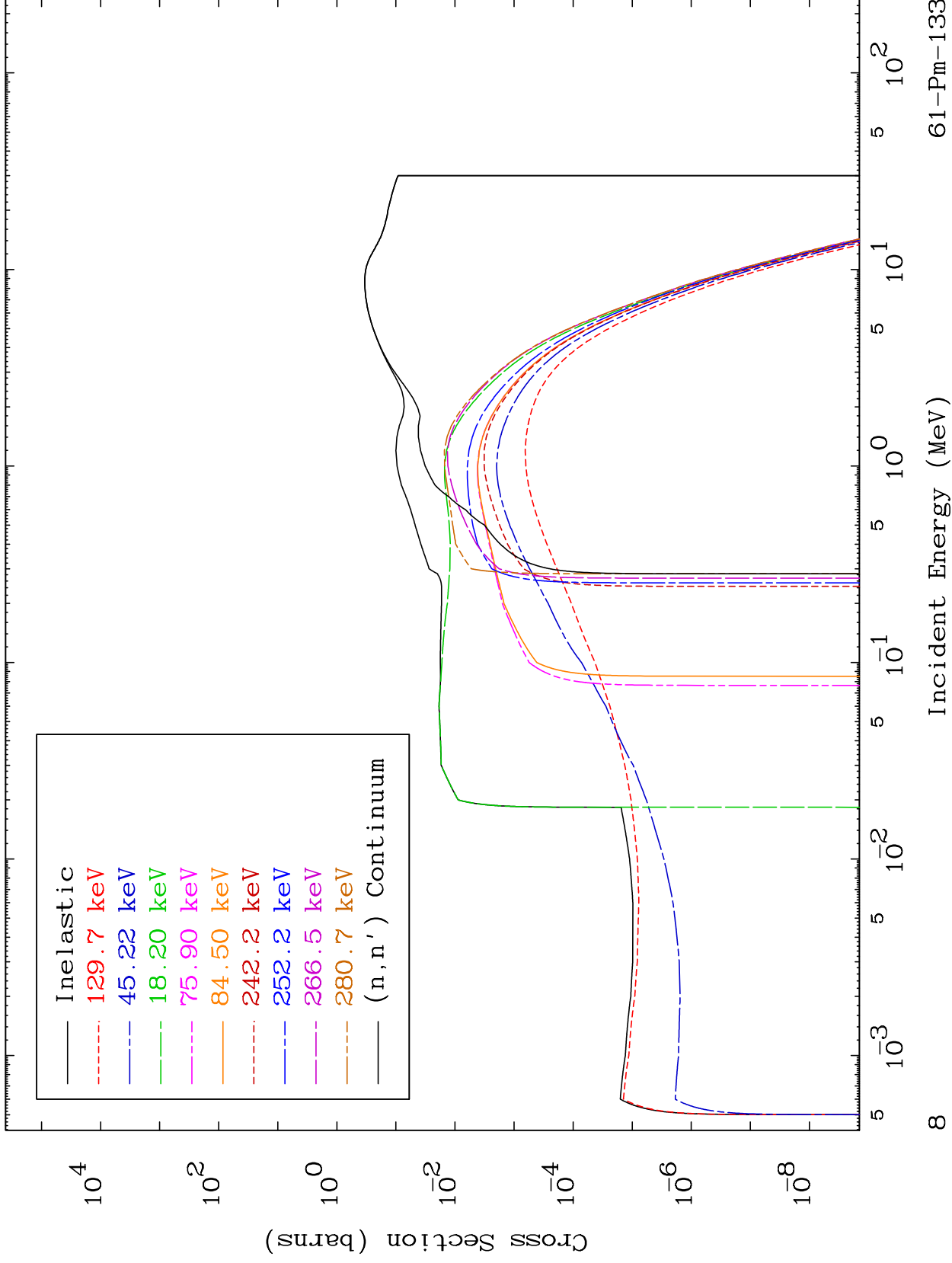
Charged Particle
293 Kelvin Cross Sections

61-Pm-133





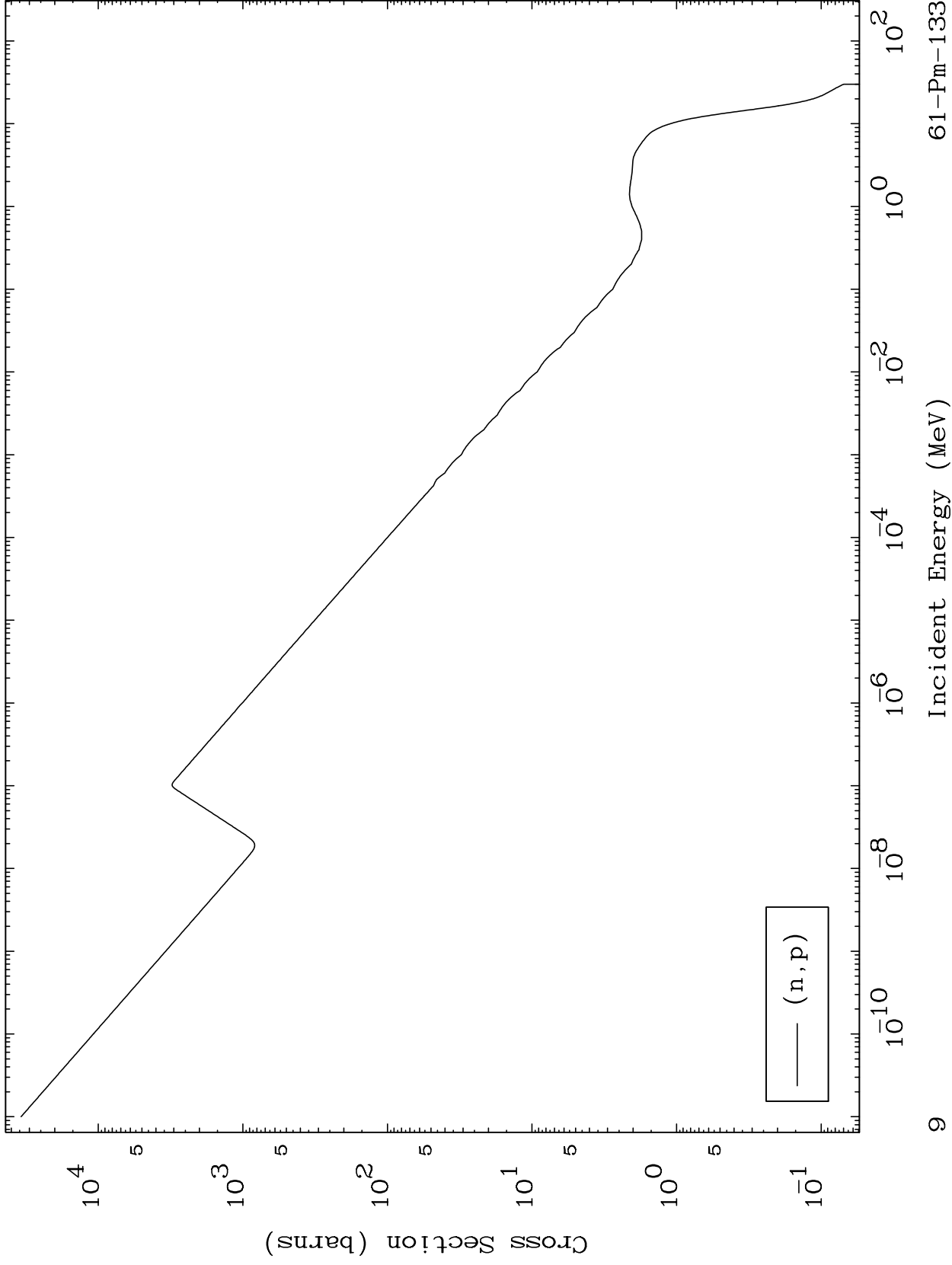




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(n,p) Levels
293 Kelvin Cross Sections

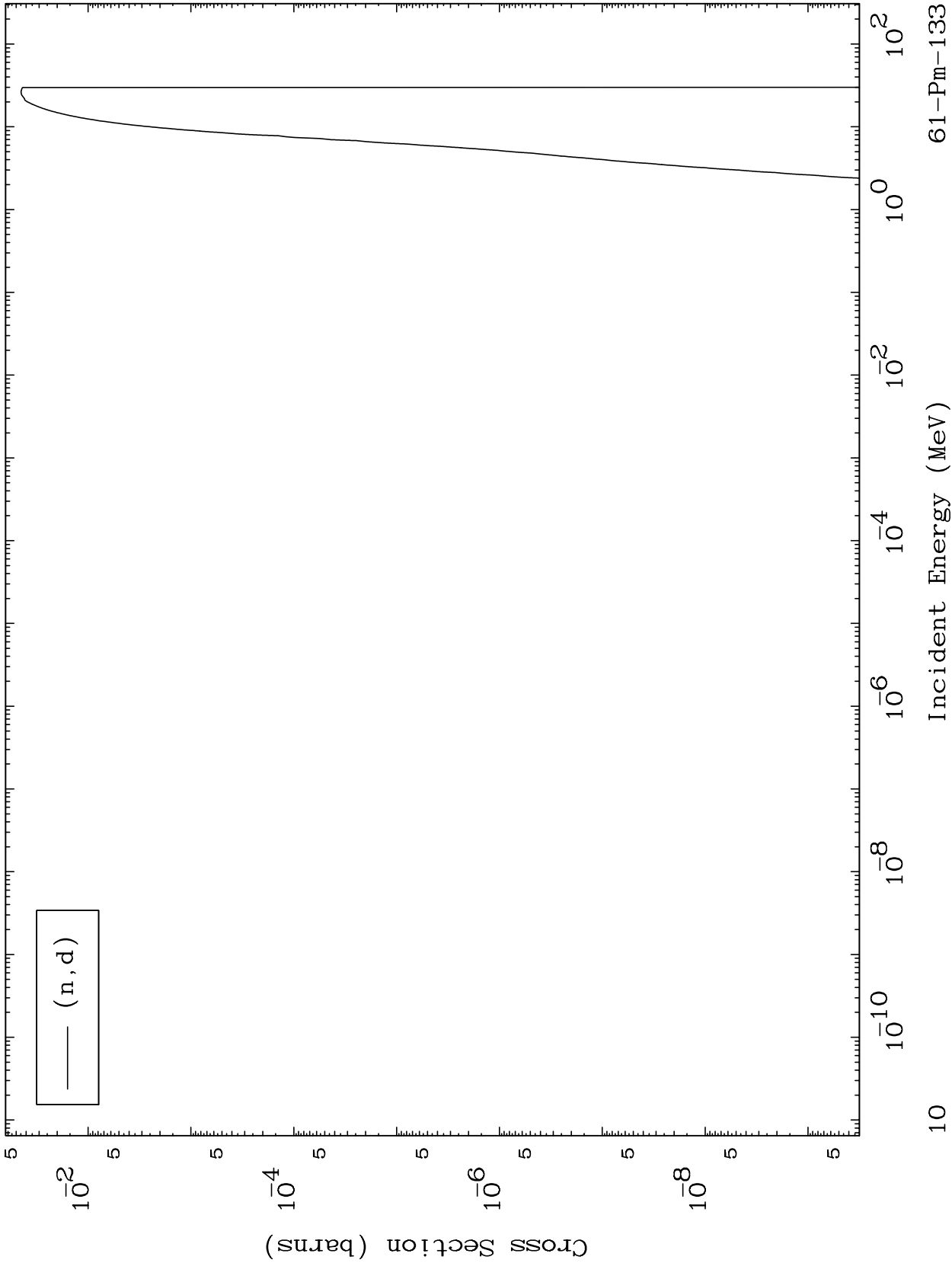
61-Pm-133



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(n,d) Levels
293 Kelvin Cross Sections

61-Pm-133



10

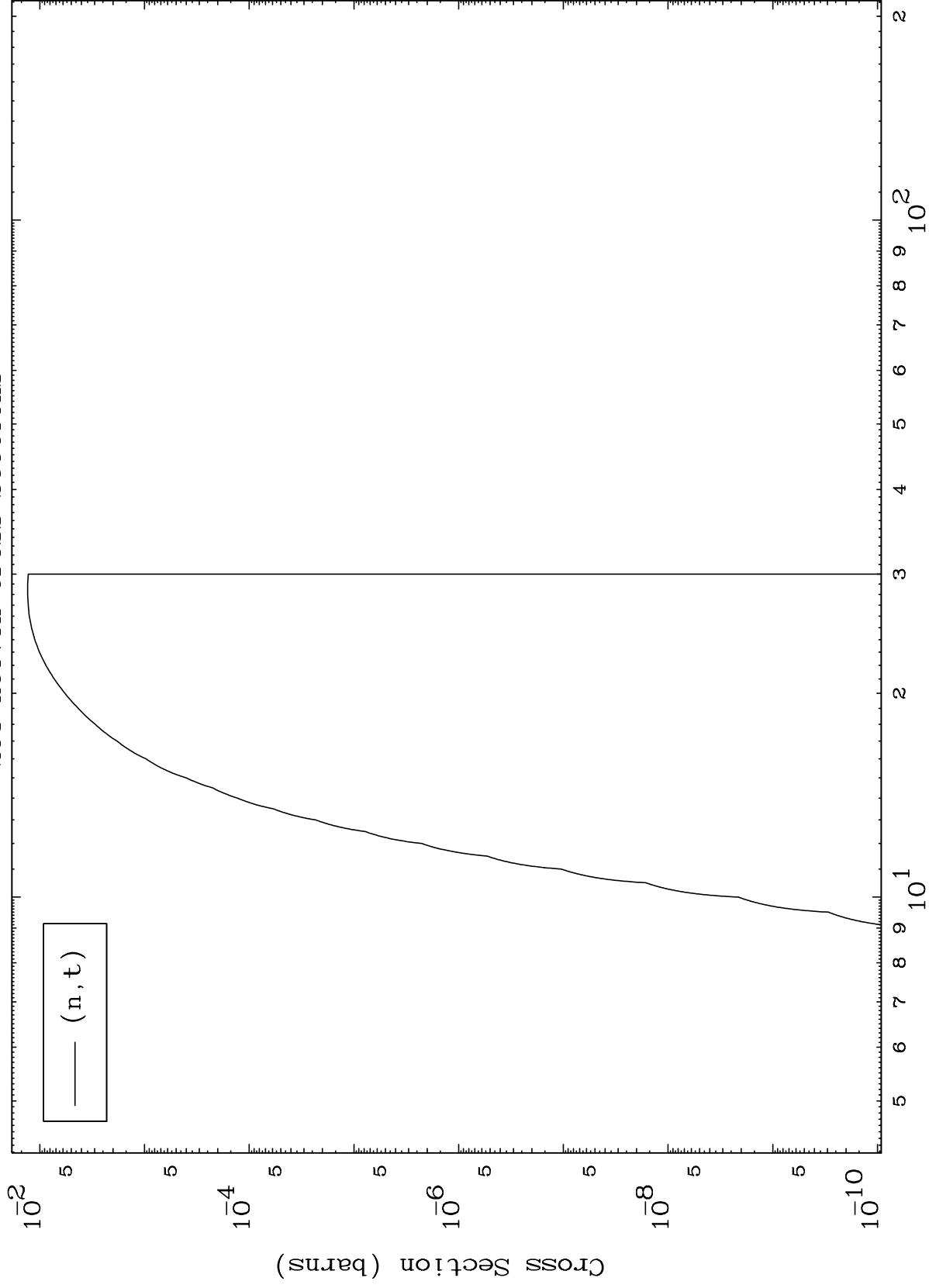
Incident Energy (MeV)

61-Pm-133

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(n,t) Levels
293 Kelvin Cross Sections

61-Pm-133



11

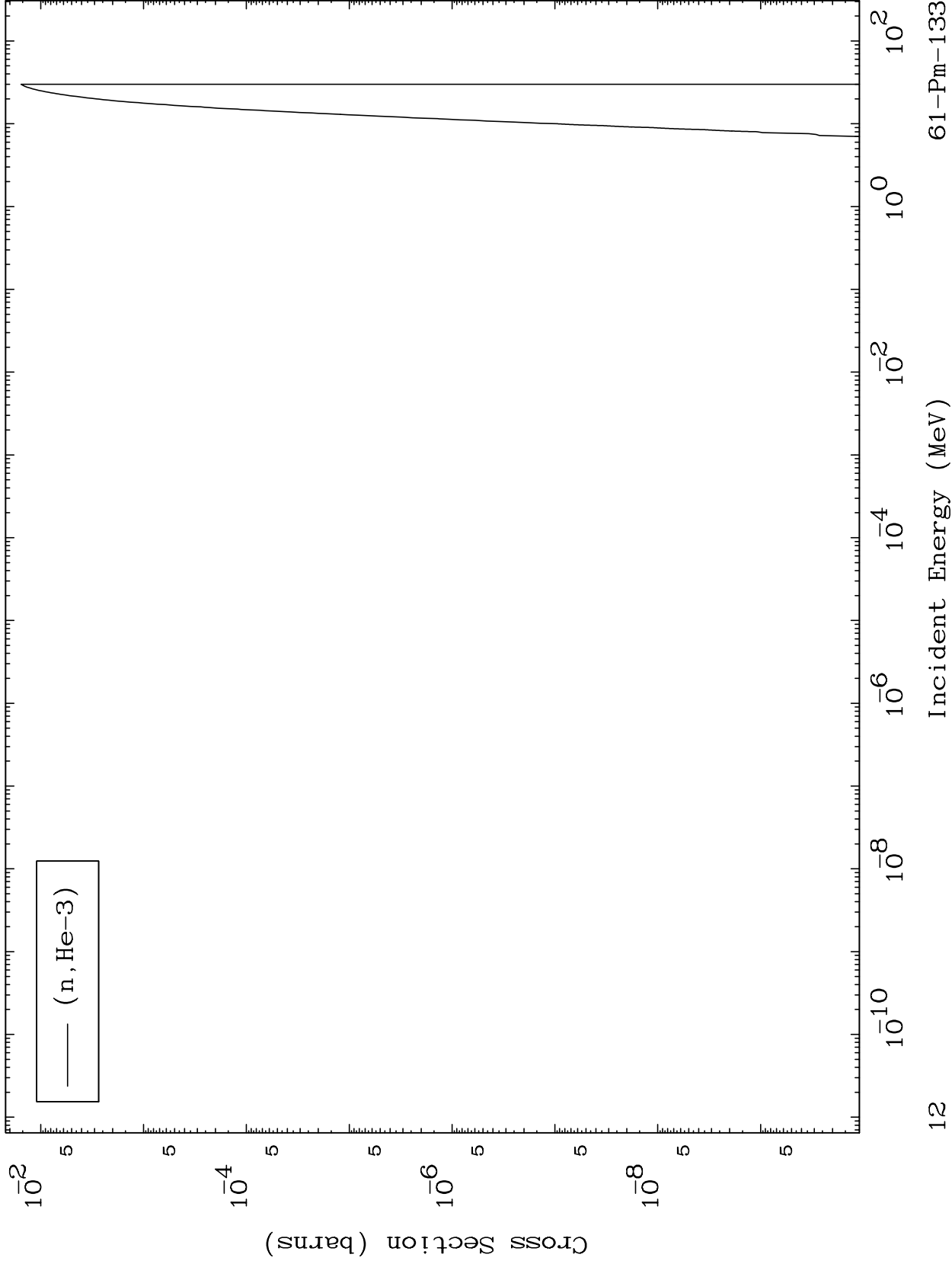
Incident Energy (MeV)

61-Pm-133

MAT 6108

(n,He3) Levels
293 Kelvin Cross Sections

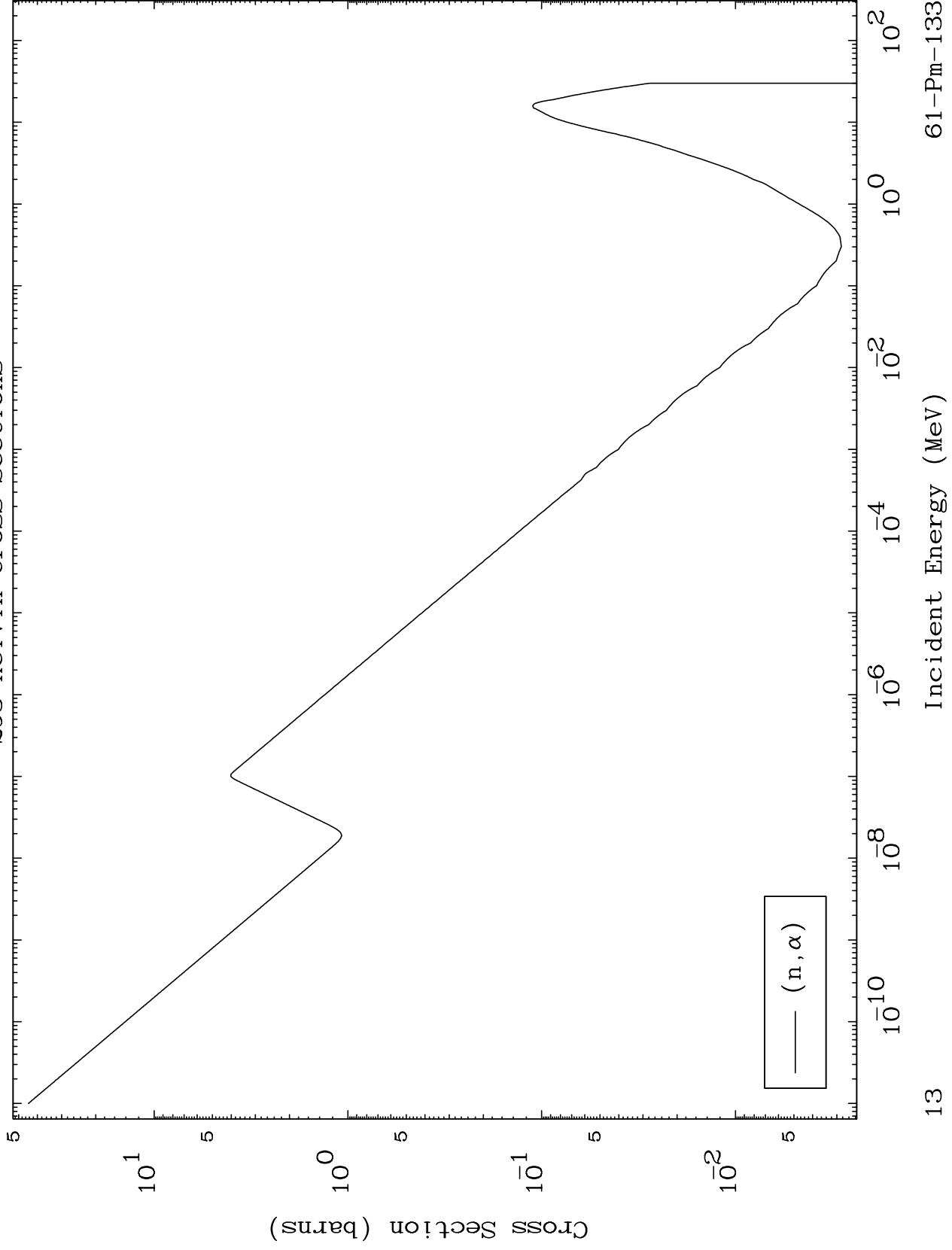
61-Pm-133

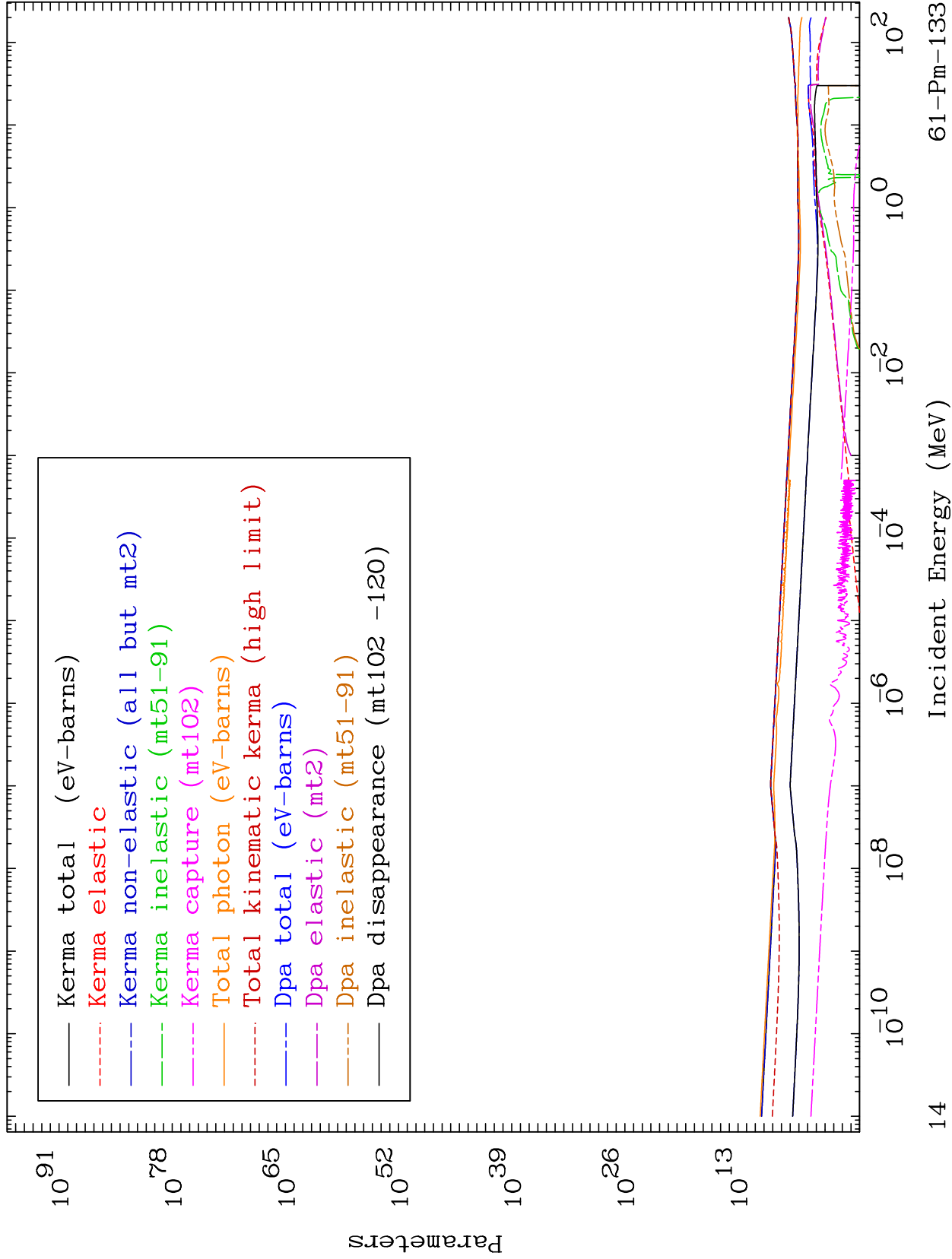


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(n,α) Levels
293 Kelvin Cross Sections

61-Pm-133

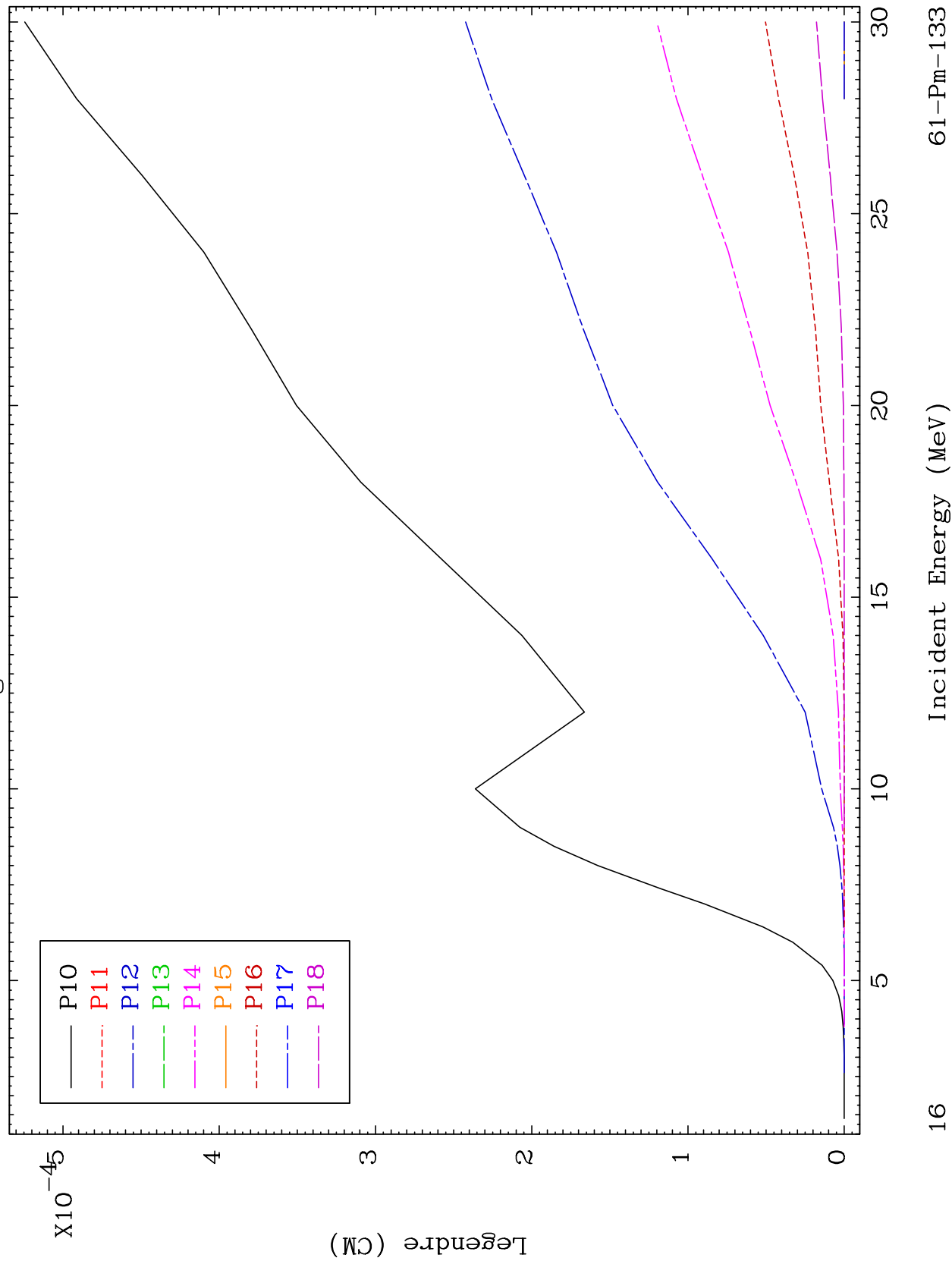




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Elastic Legendre Coefficients

61-Pm-133

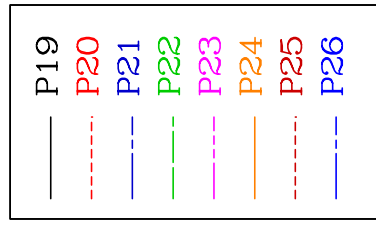


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Elastic
Legendre Coefficients

61-Pm-133



$\times 10^{-6}$
1.5

Legendre (CM)

1.0

0.5

0.0

15

20

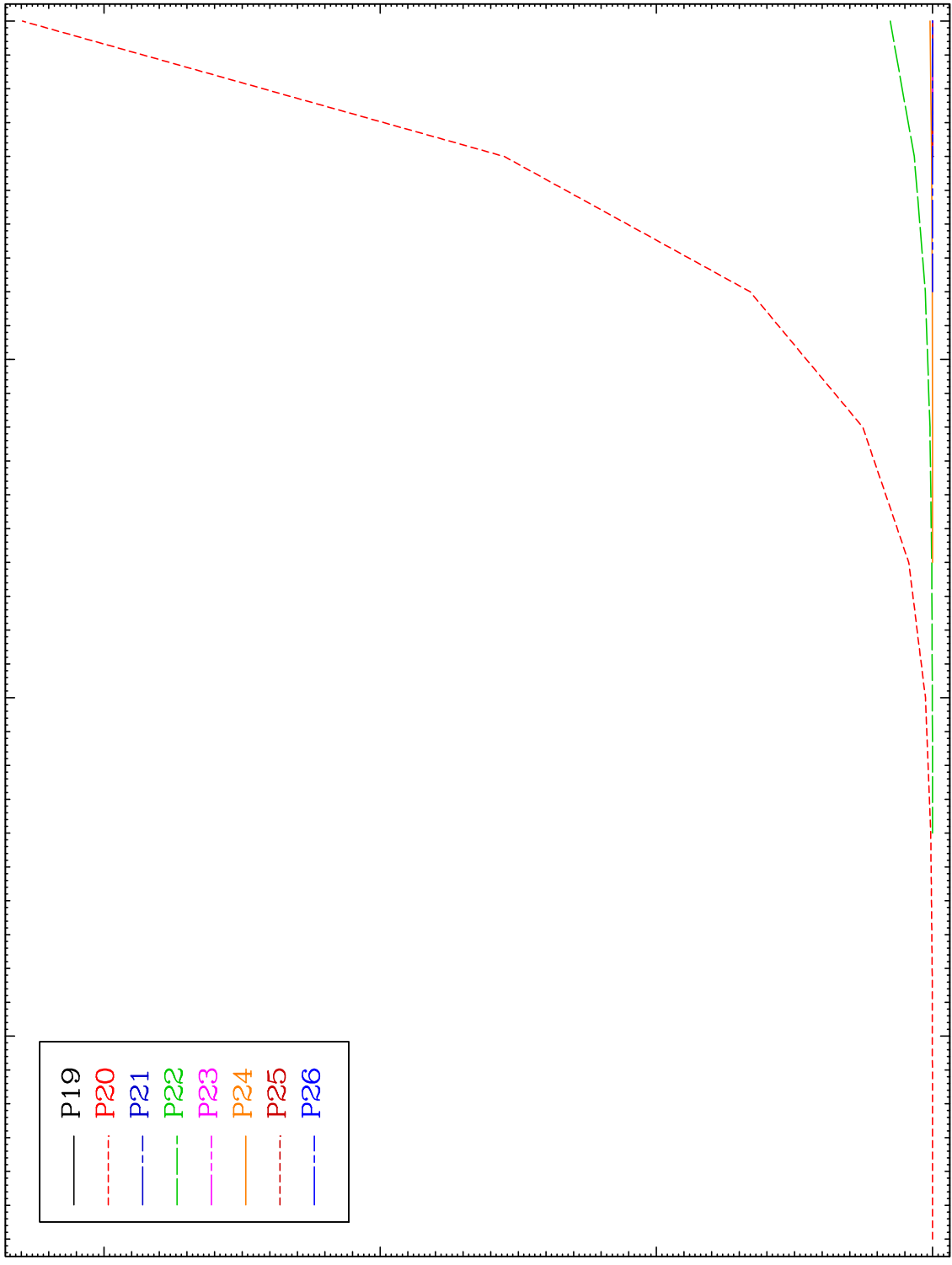
25

30

17

Incident Energy (MeV)

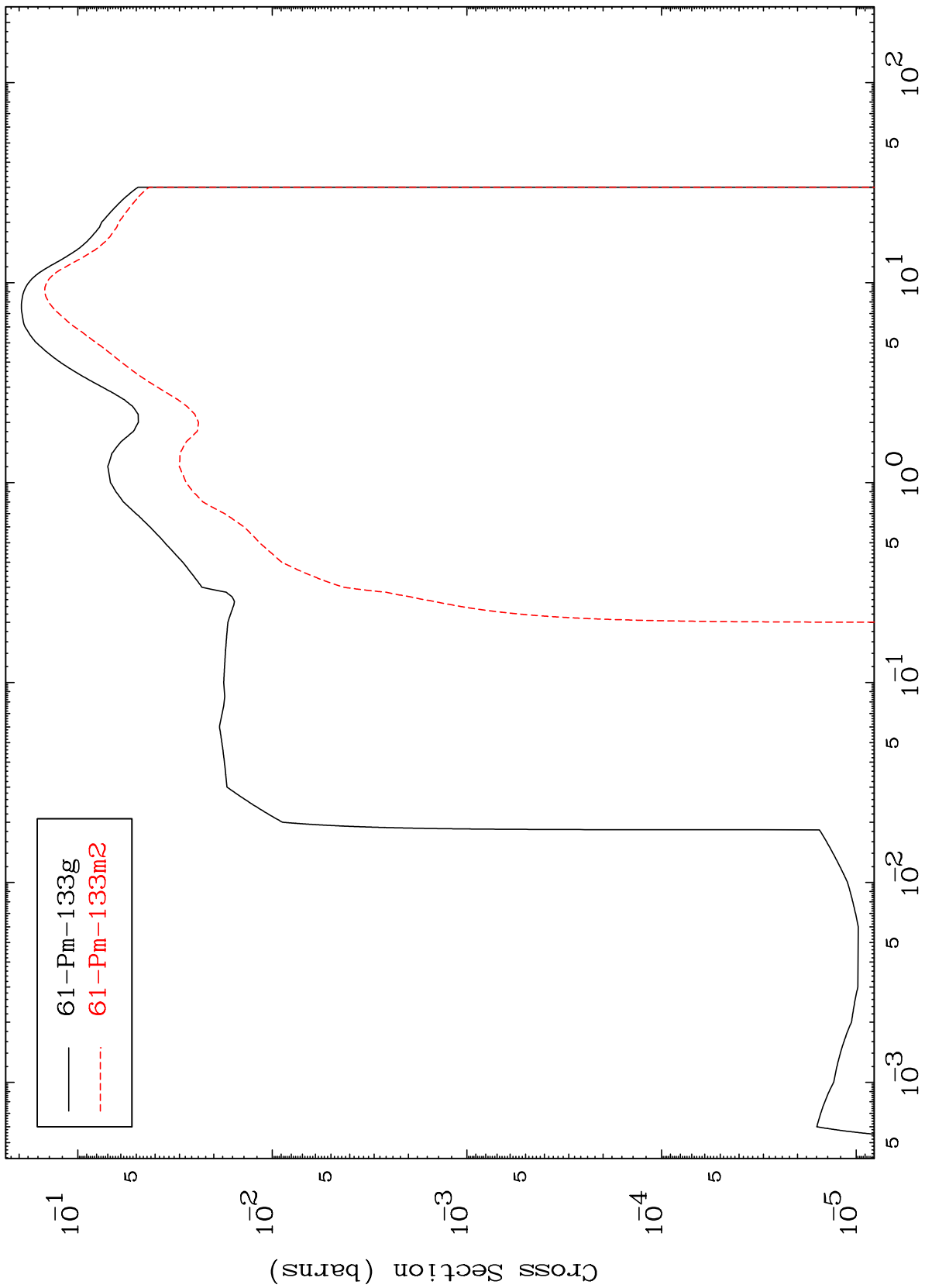
61-Pm-133



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61-Pm-133

Radionuclide Production Cross Section



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Incident Energy (MeV)

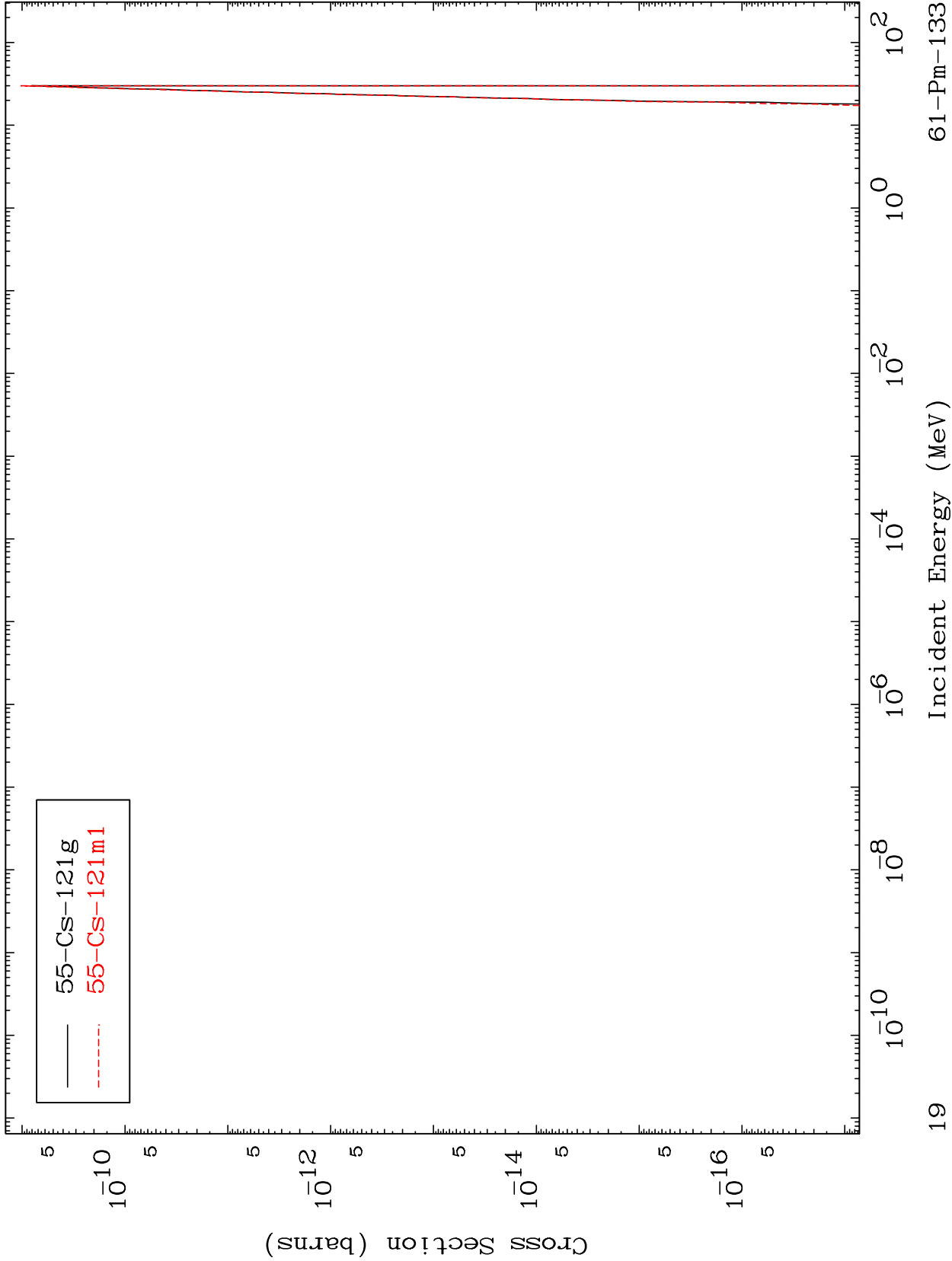
61-Pm-133

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(n,n') 3 α

61-Pm-133

Radionuclide Production Cross Section

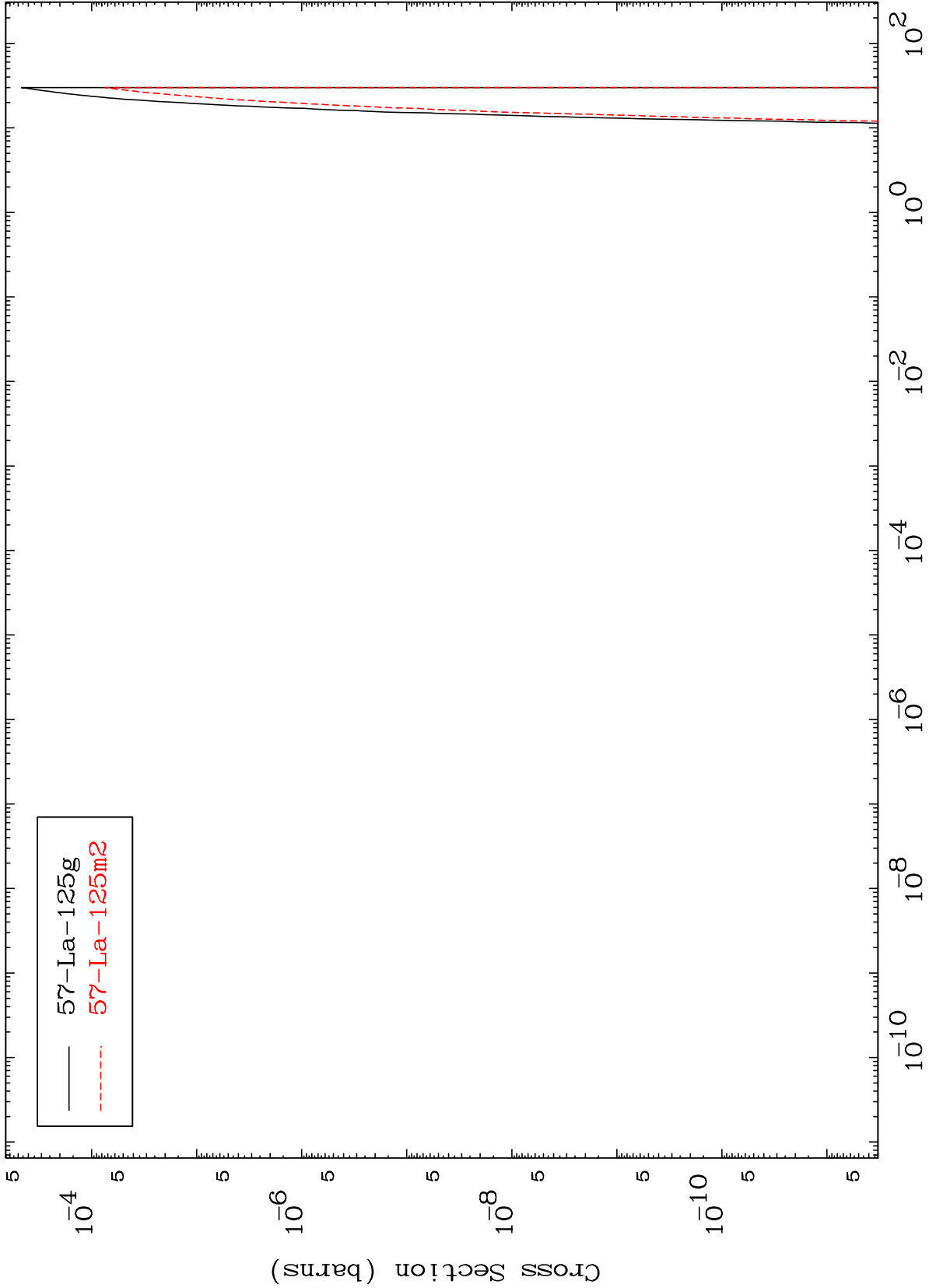


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(n,n') 2α

61-Pm-133

Radionuclide Production Cross Section

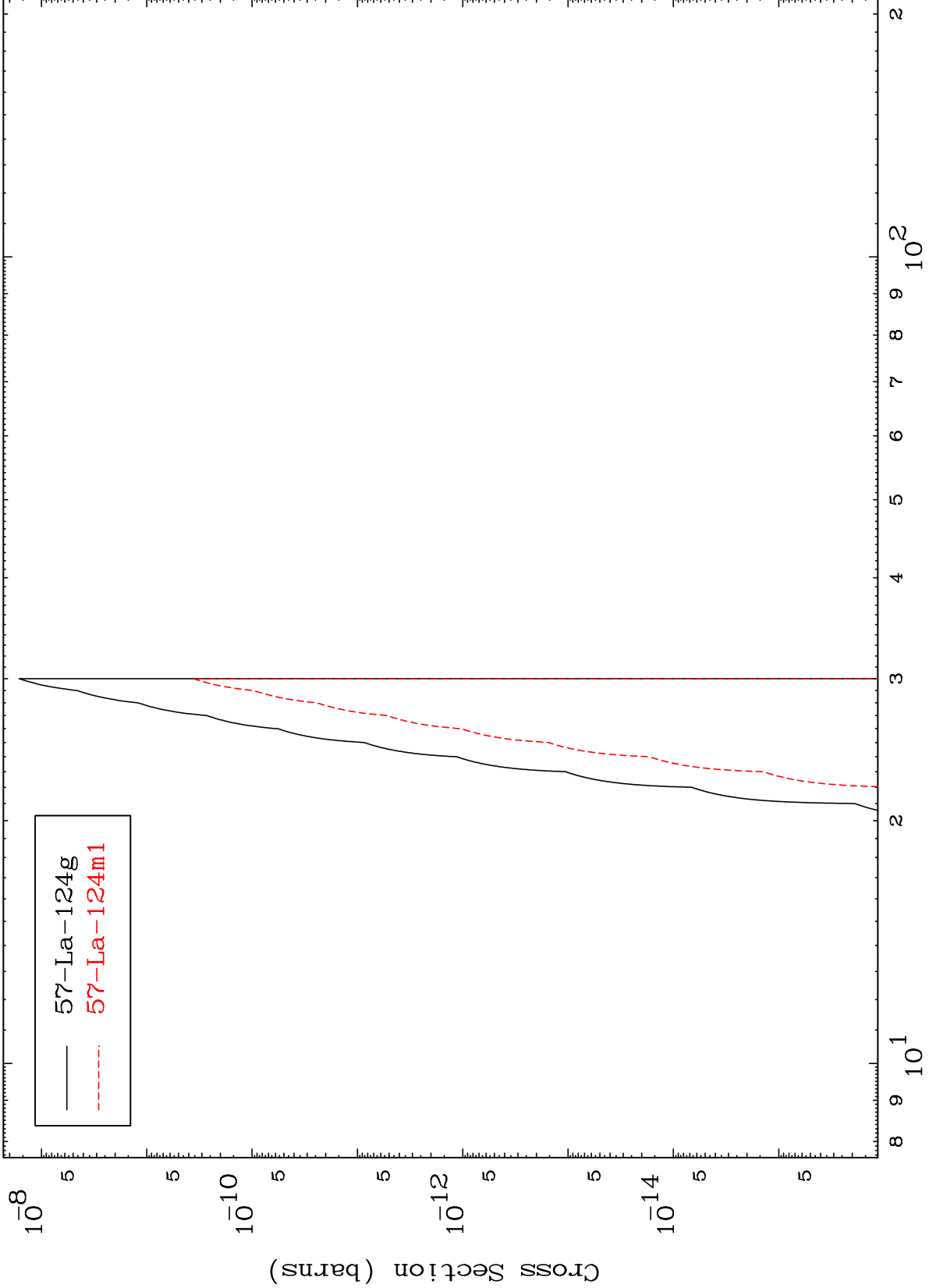


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(n,2n) 2α

61-Pm-133

Radionuclide Production Cross Section



57-La-124g
57-La-124m1

21

Incident Energy (MeV)

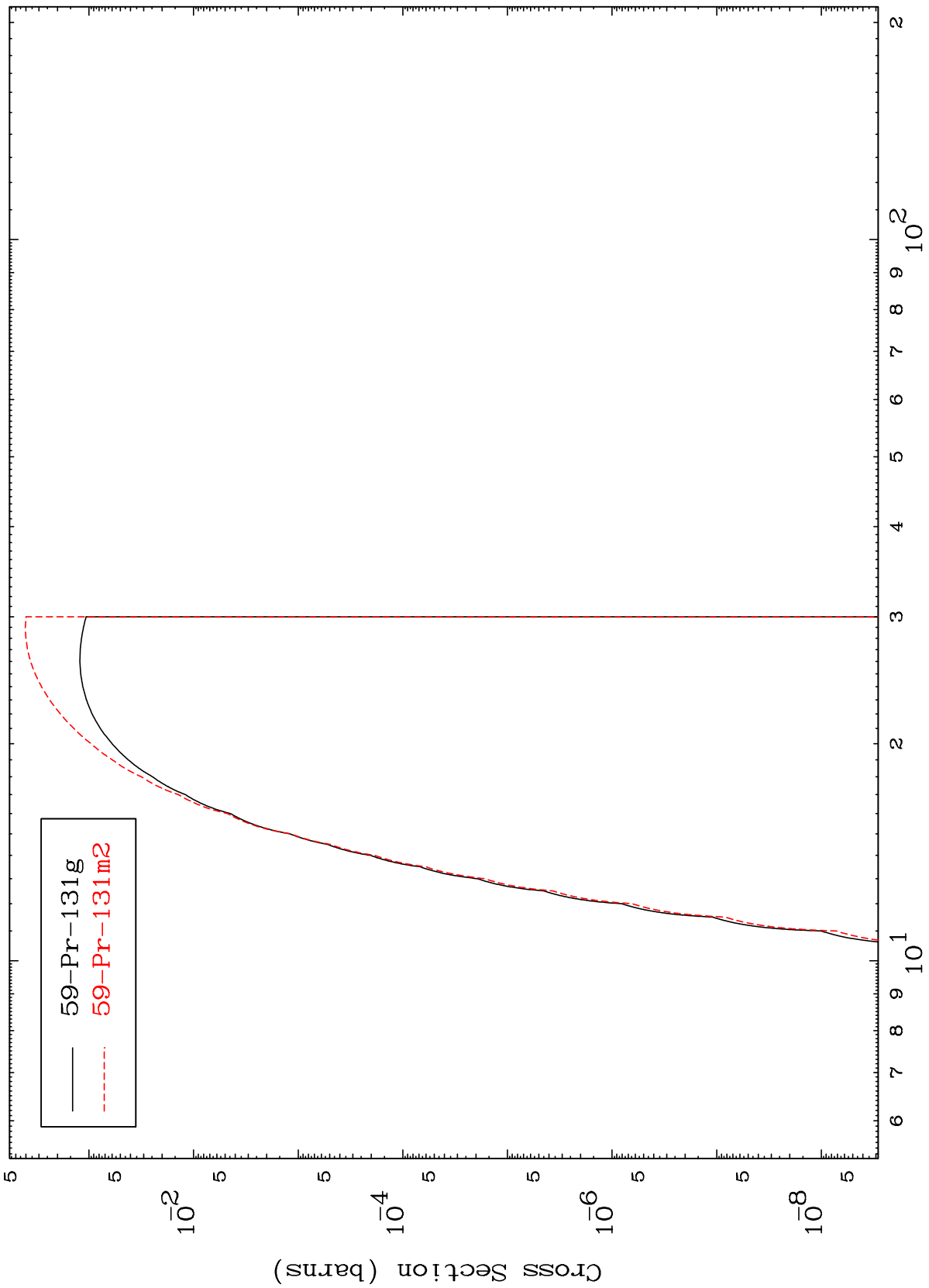
61-Pm-133

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(n,2n) p

61-Pm-133

Radionuclide Production Cross Section



22

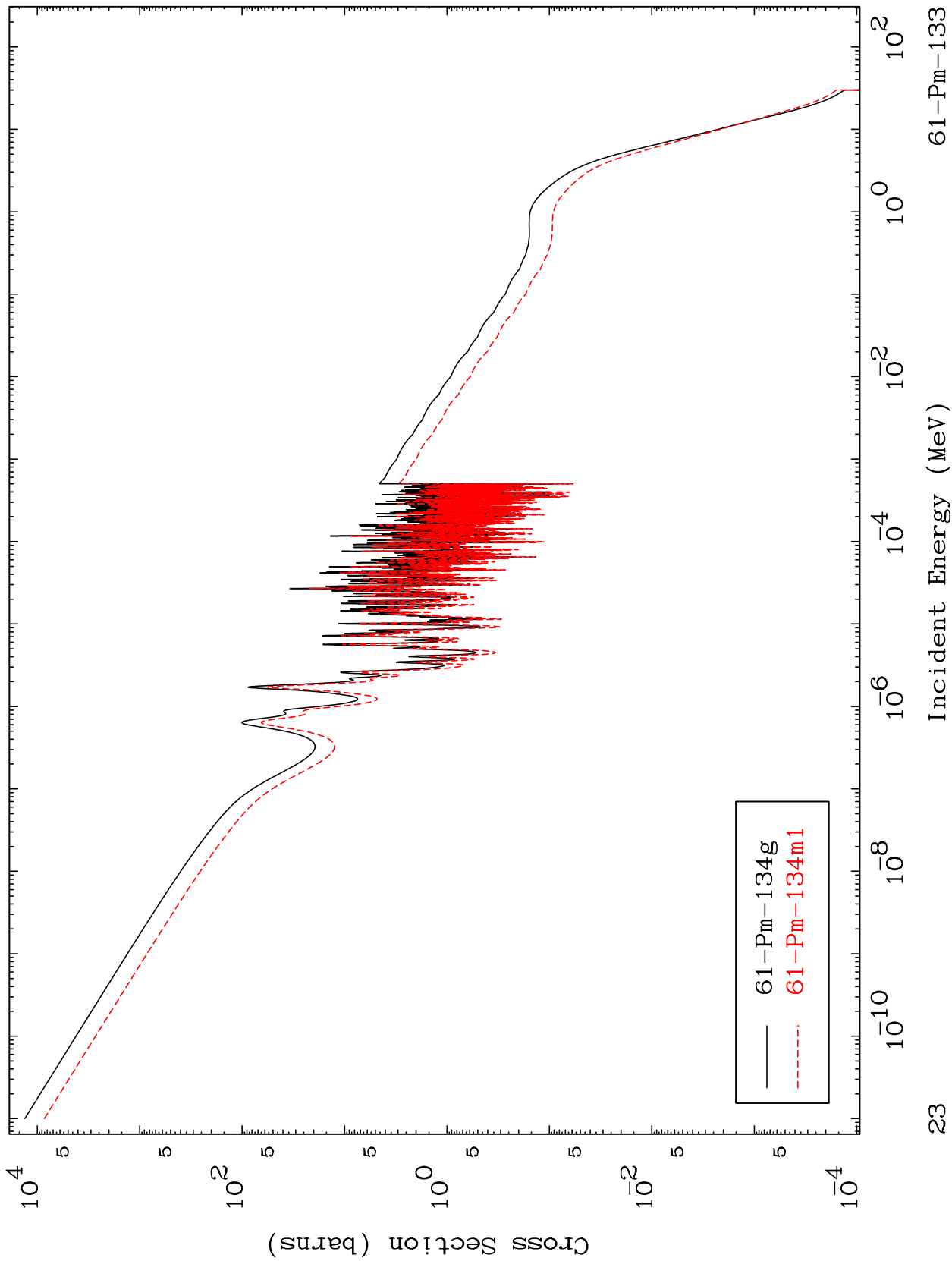
Incident Energy (MeV)

61-Pm-133

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61-Pm-133

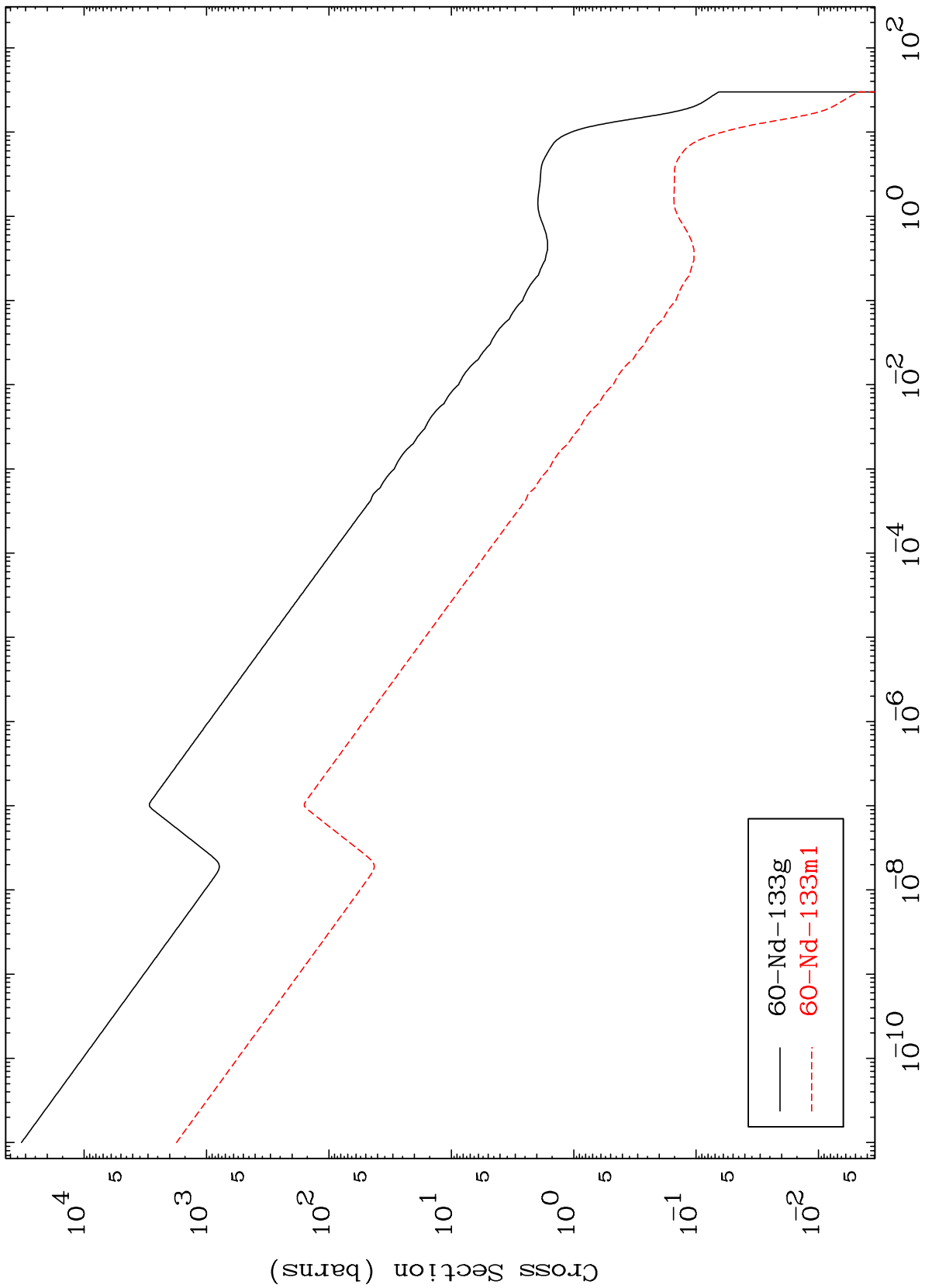
(n, γ)
Radionuclide Production Cross Section



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61-Pm-133

(n,p)
Radionuclide Production Cross Section



61-Pm-133

Incident Energy (MeV)

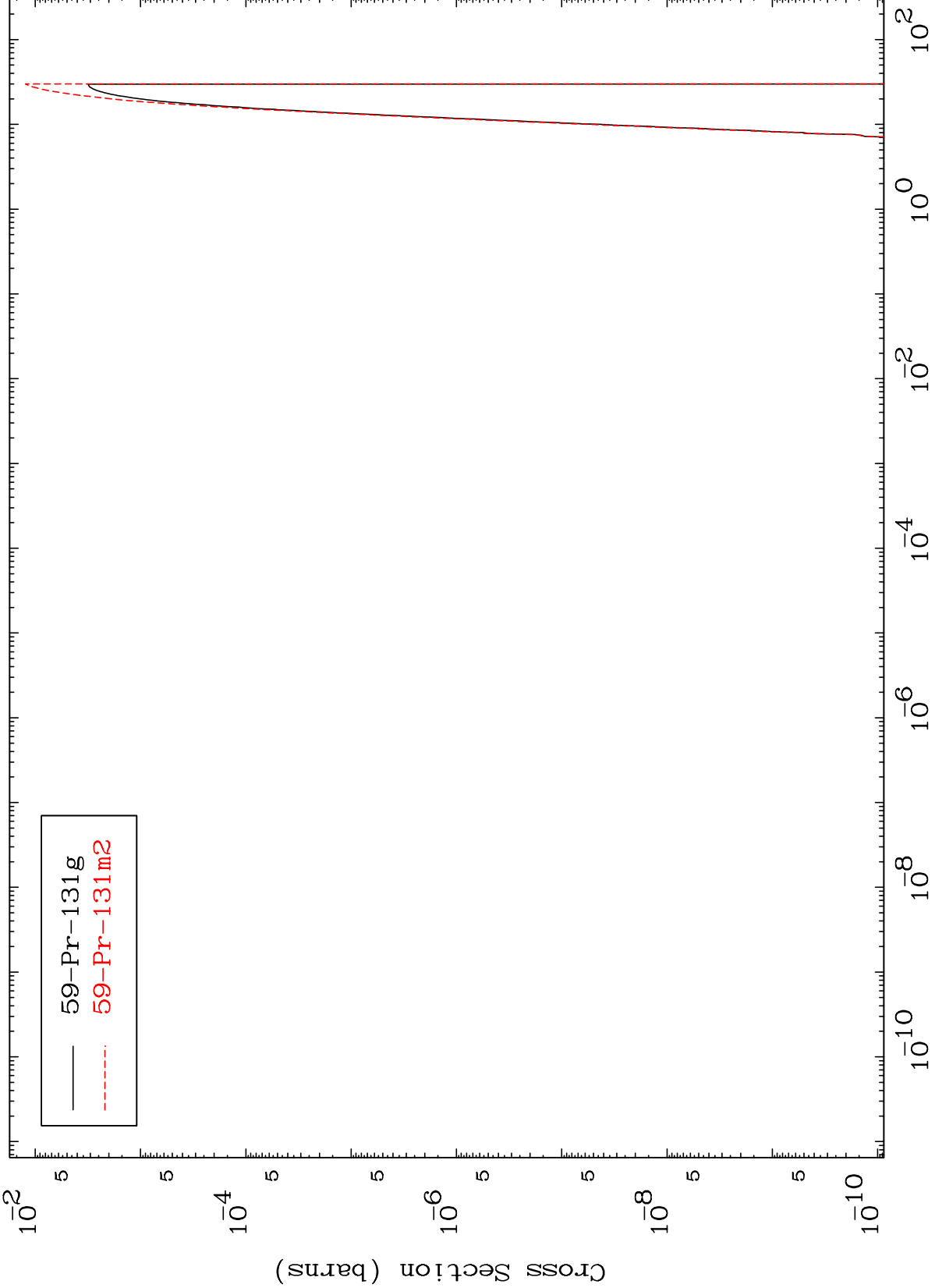
24

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(n,He-3)

61-Pm-133

Radionuclide Production Cross Section

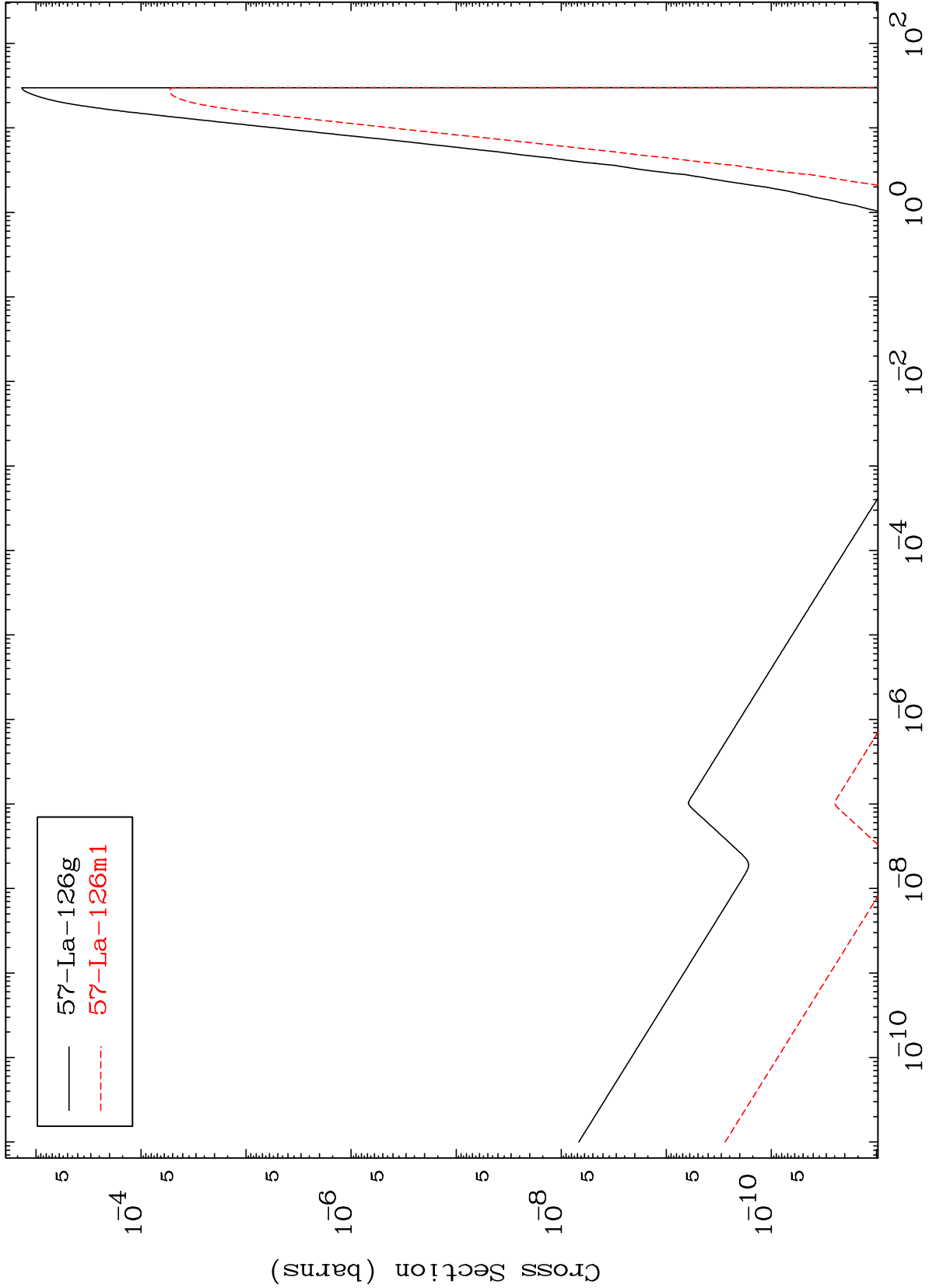


MAT 6108

(n,2α)

61-Pm-133

Radionuclide Production Cross Section



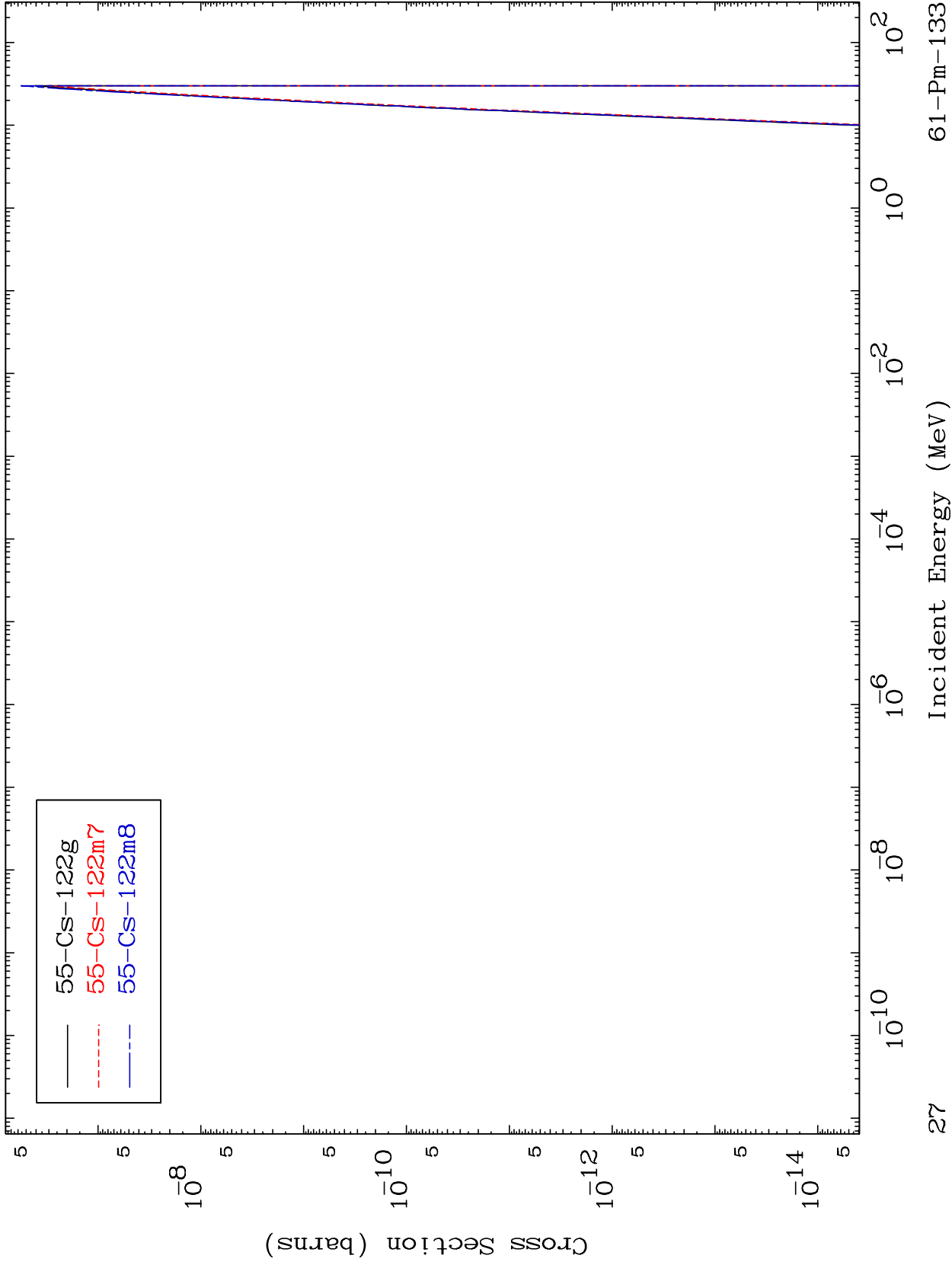
57-La-126g
57-La-126m1

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(n,3α)

61-Pm-133

Radionuclide Production Cross Section

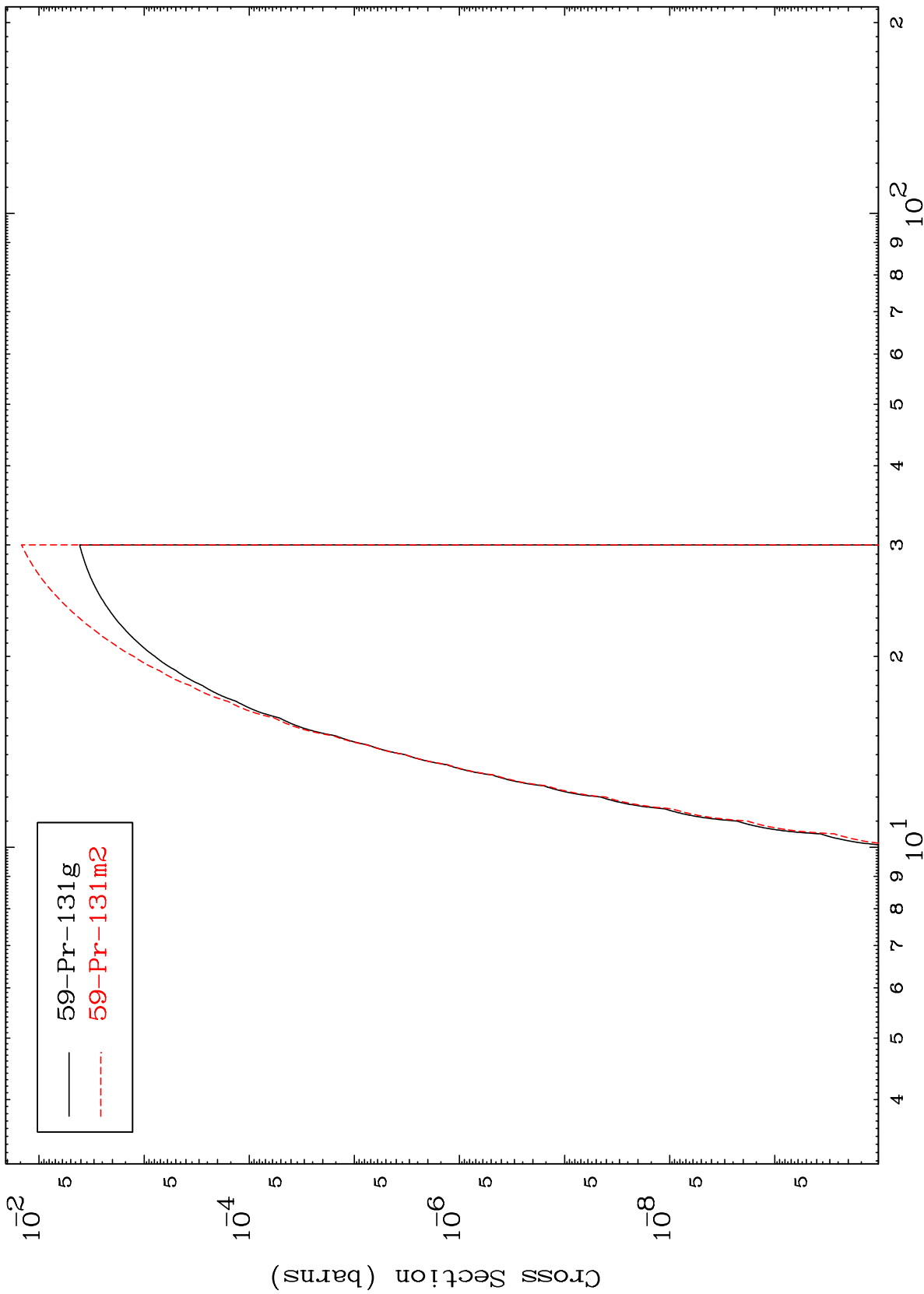


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(n,p) d

61-Pm-133

Radionuclide Production Cross Section



— 59-Pr-131g
- - - 59-Pr-131m2