

Program EVALPLOT
(Version 2021-1)

by

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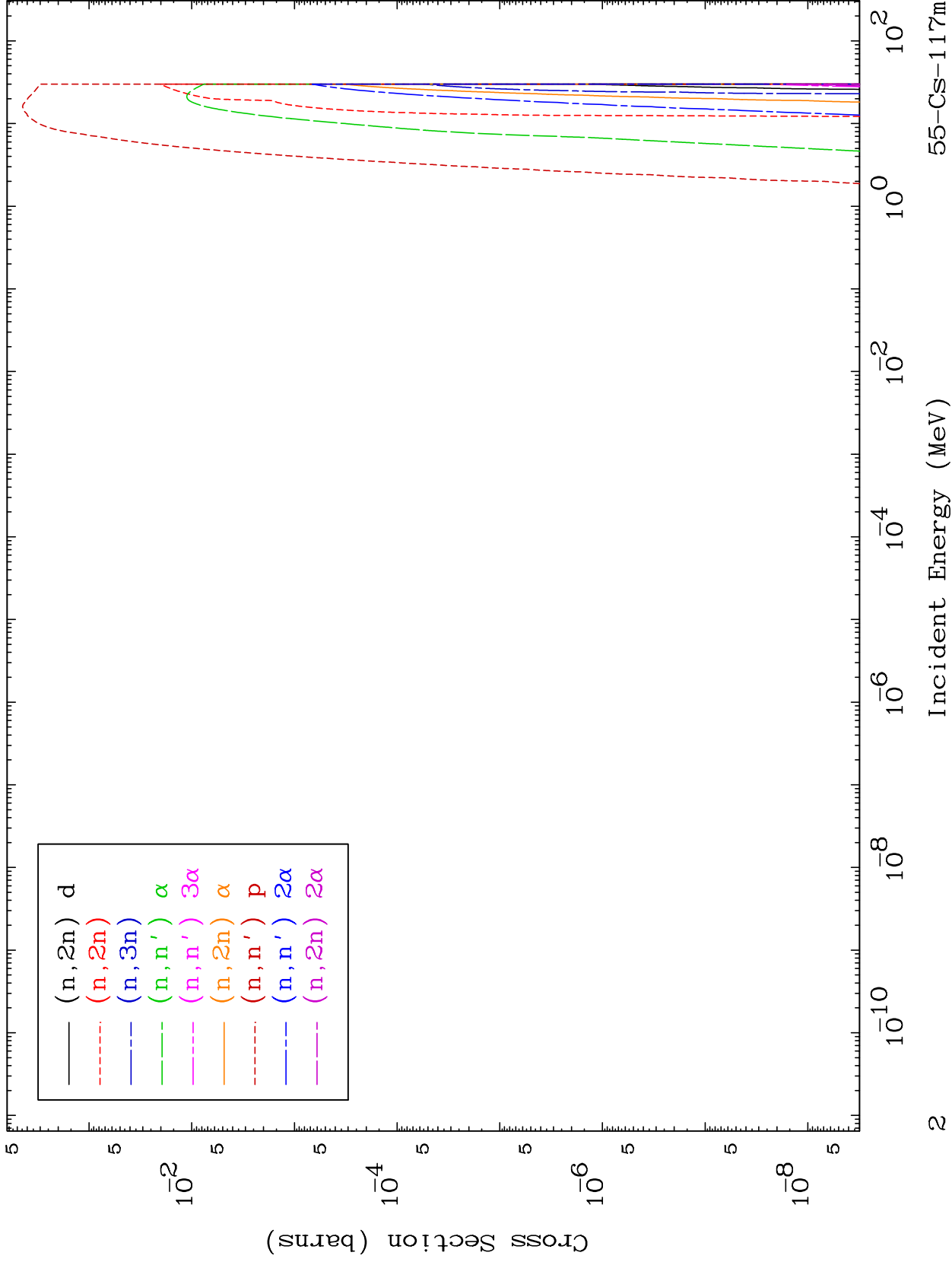
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5478

Neutron Absorption
293 Kelvin Cross Sections

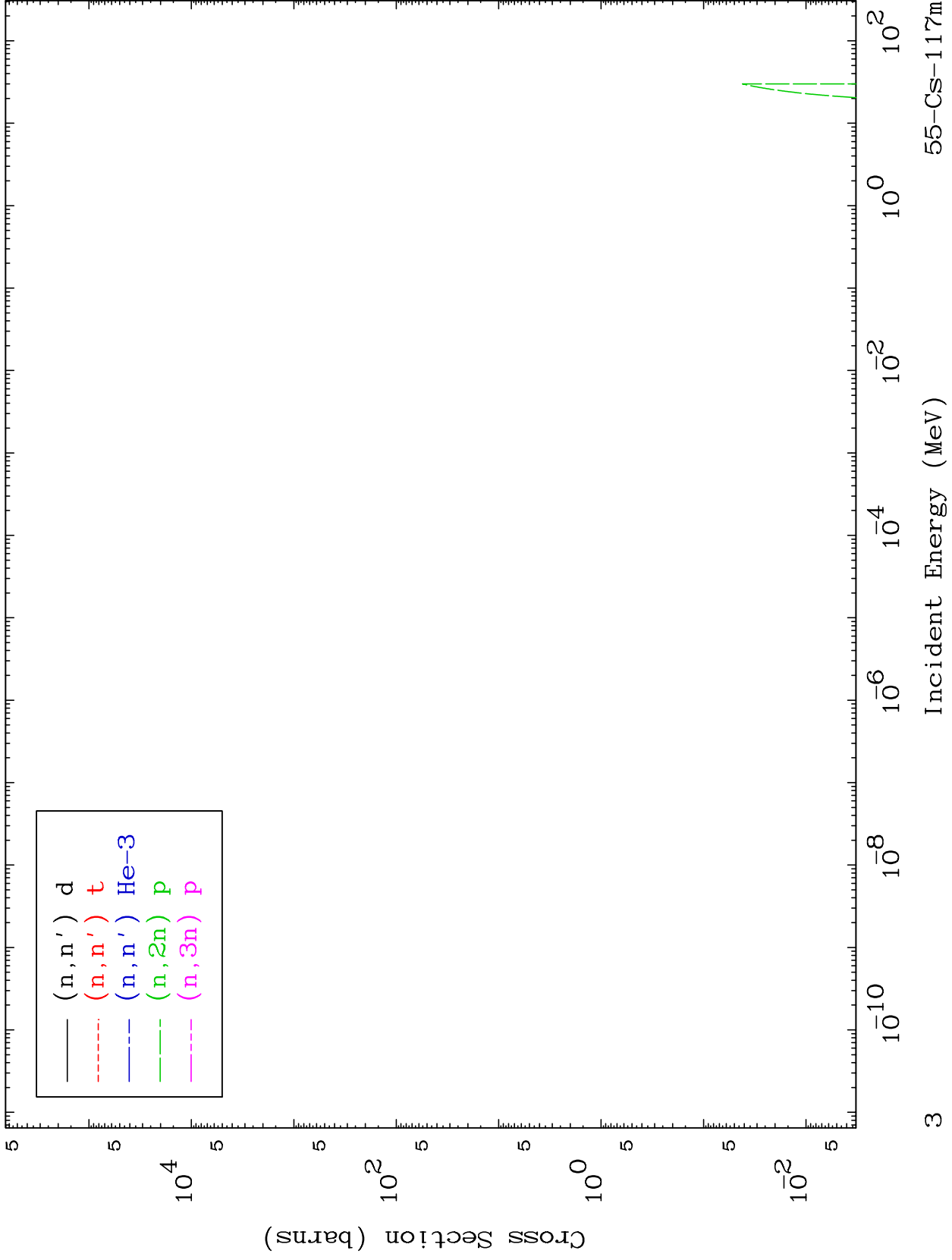
55-Cs-117m



MAT 5478

Neutron Absorption
293 Kelvin Cross Sections

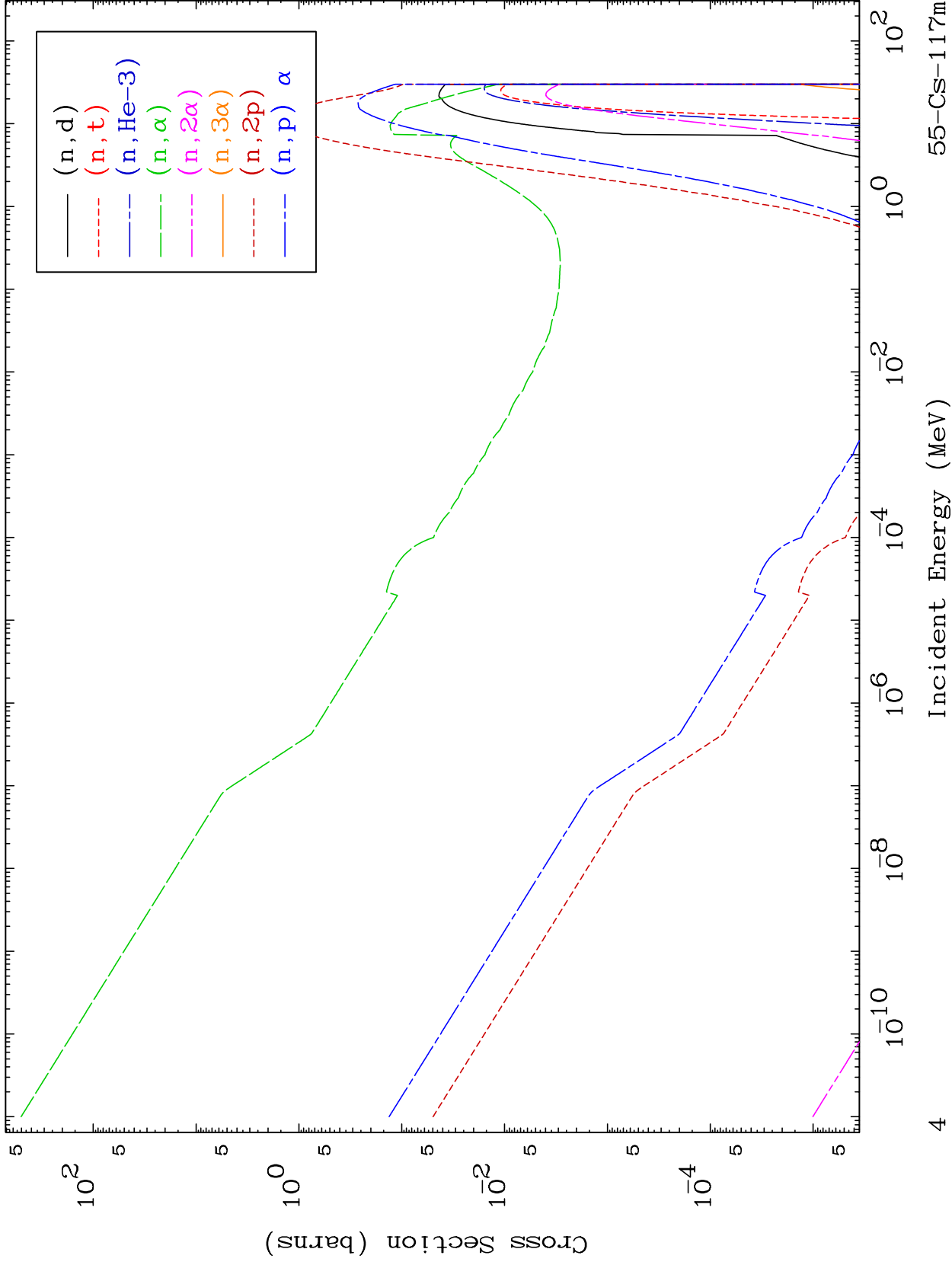
55-Cs-117m

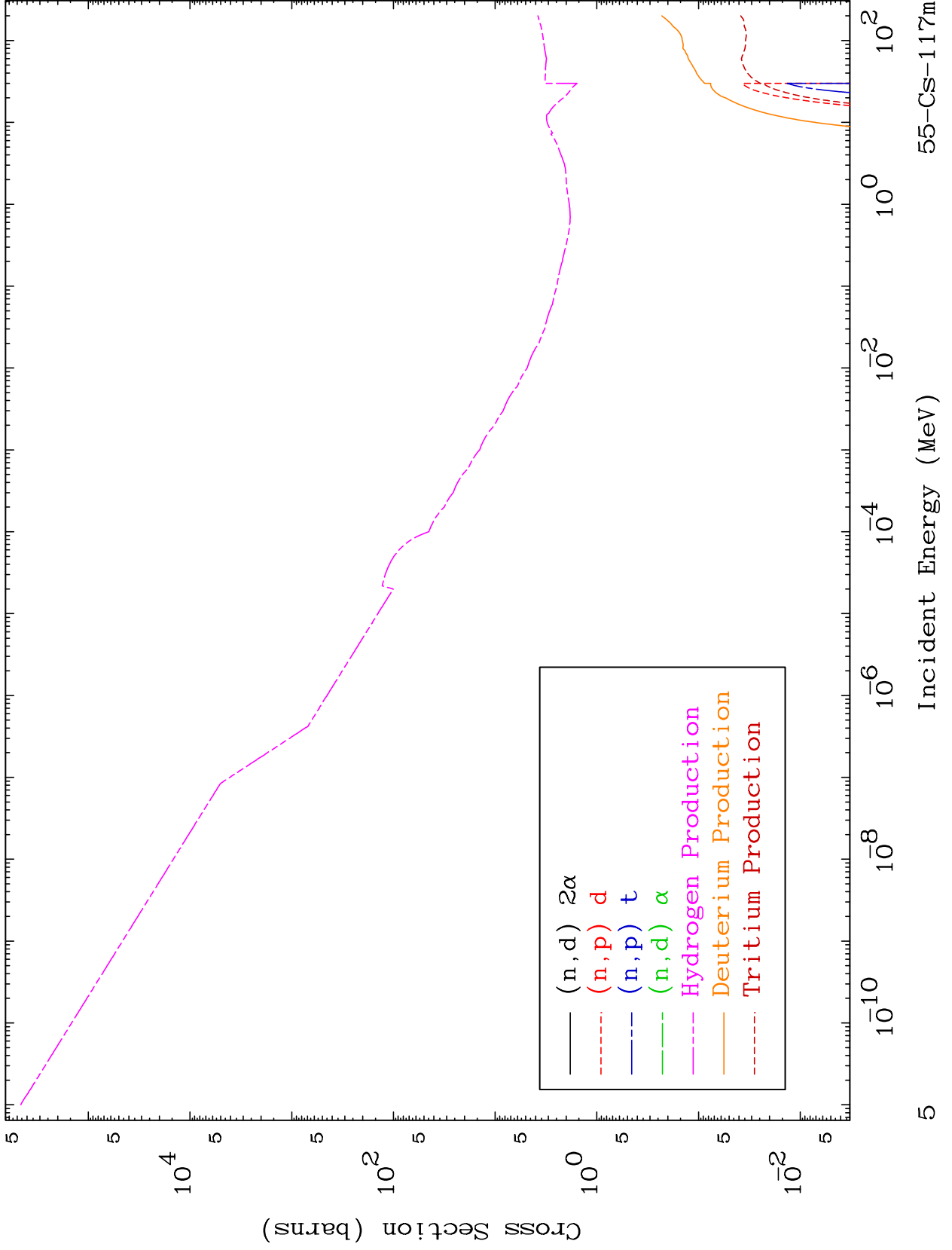


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Neutron Absorption
293 Kelvin Cross Sections

55-Cs-117m

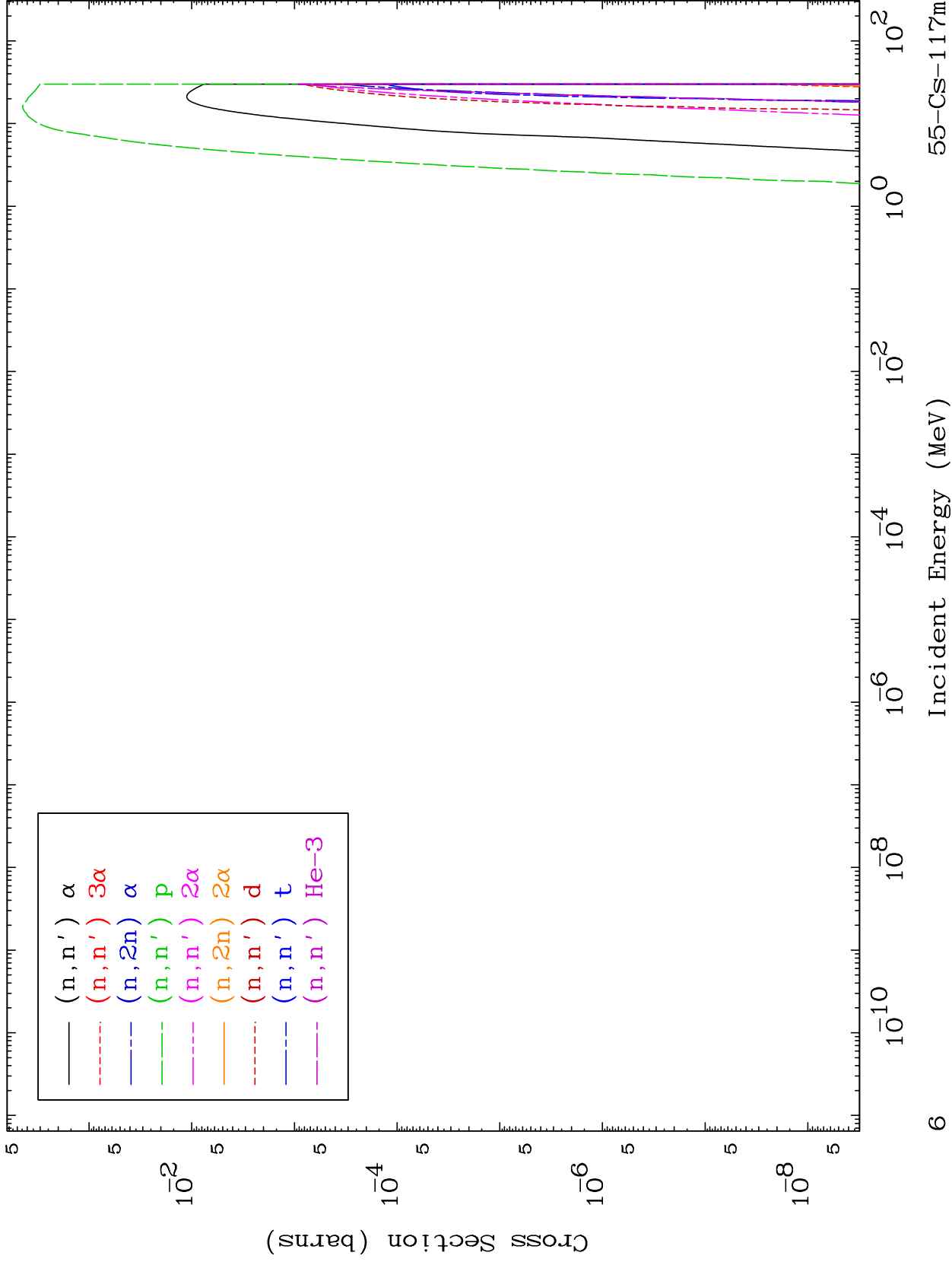




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Charged Particle
293 Kelvin Cross Sections

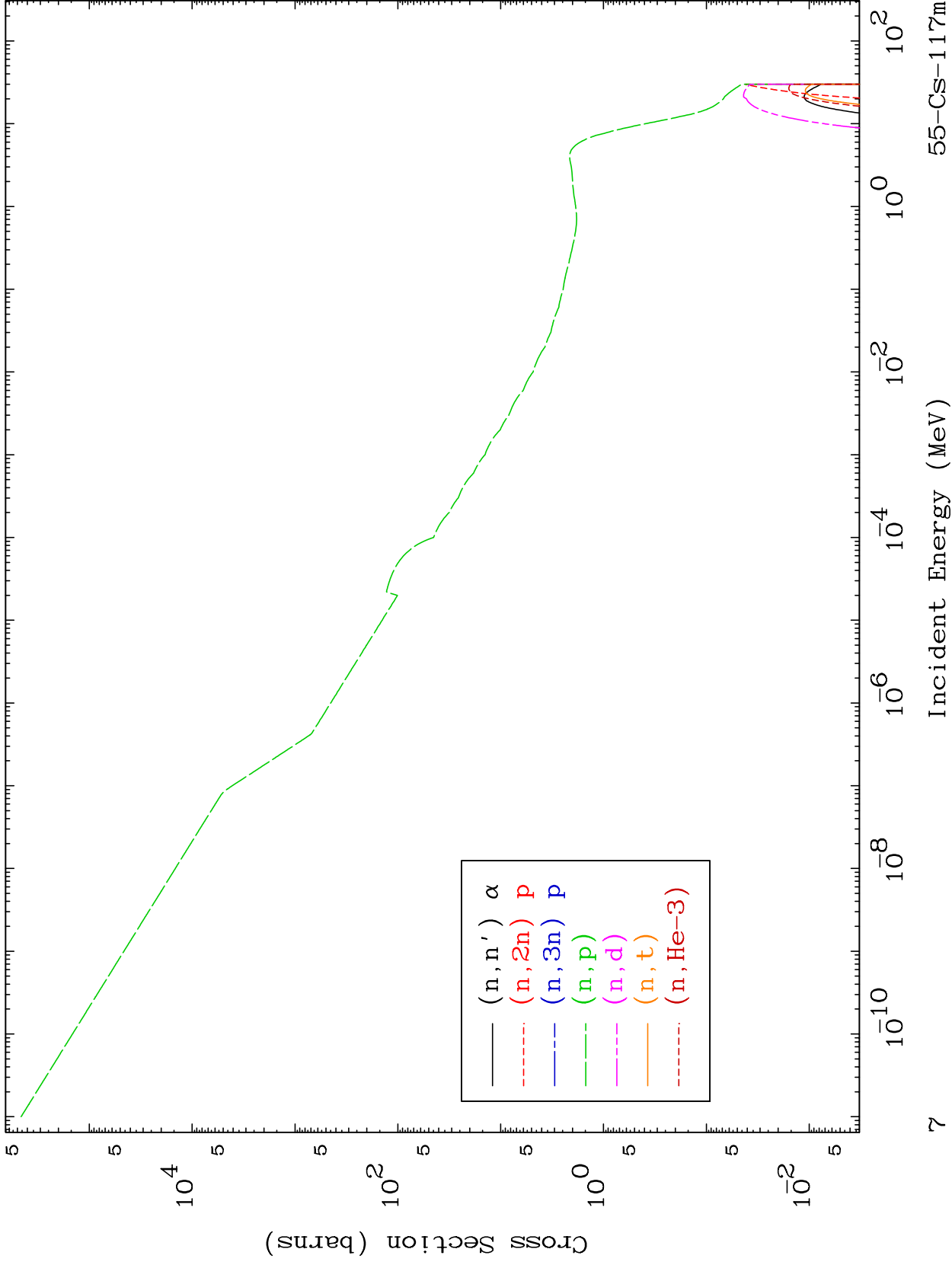
55-Cs-117m



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Charged Particle
293 Kelvin Cross Sections

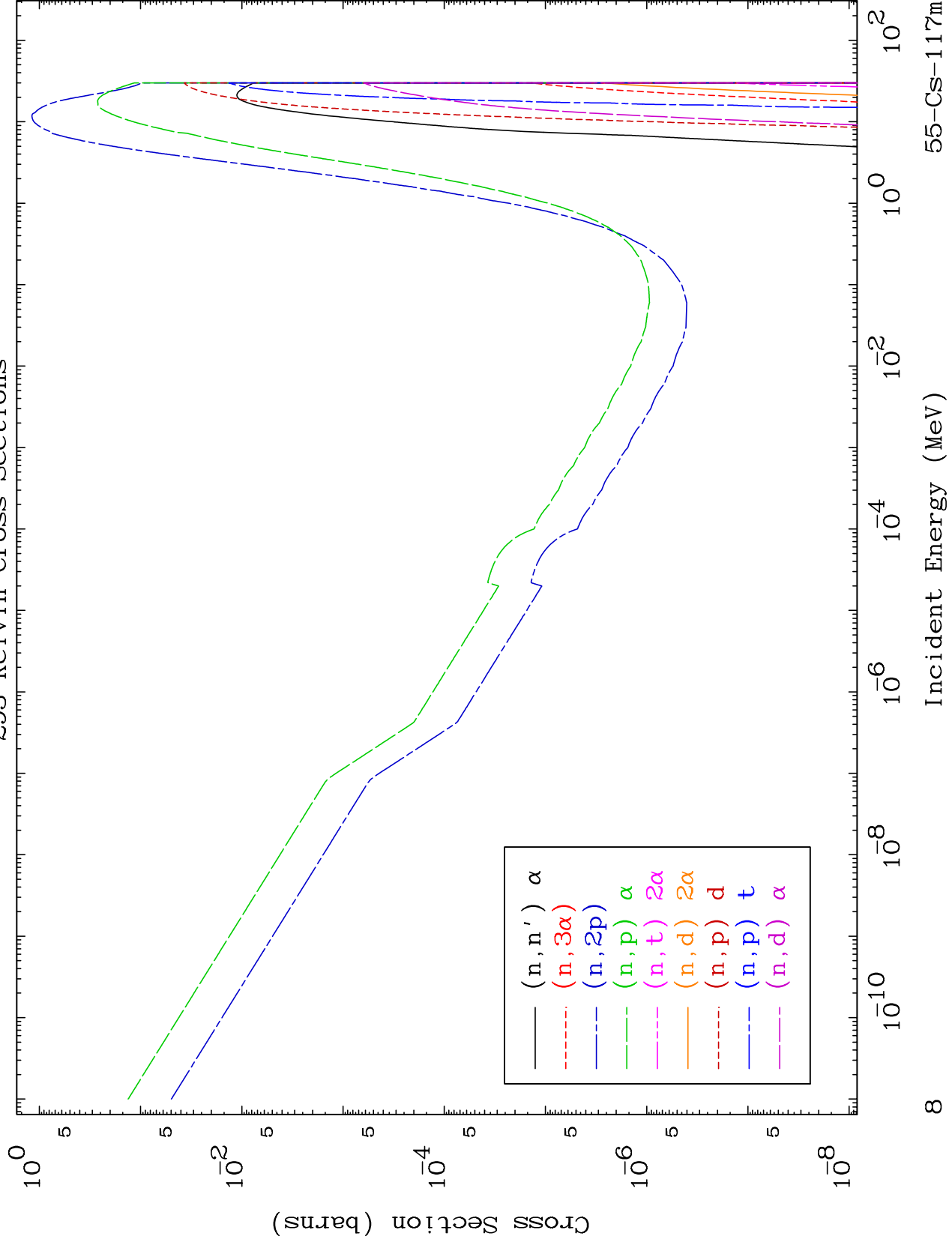
55-Cs-117m



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Charged Particle
293 Kelvin Cross Sections

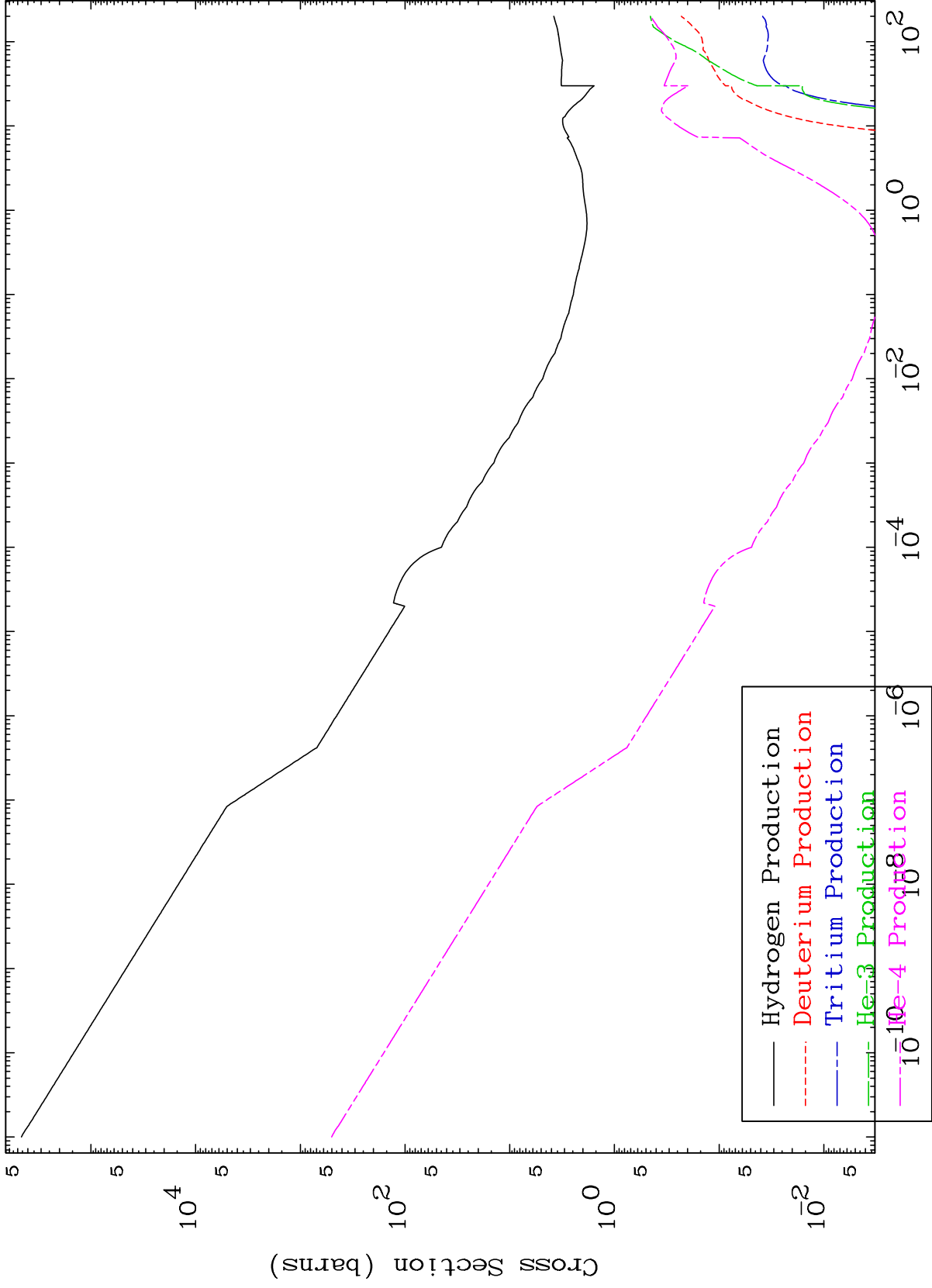
55-Cs-117m



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Particle Production
293 Kelvin Cross Sections

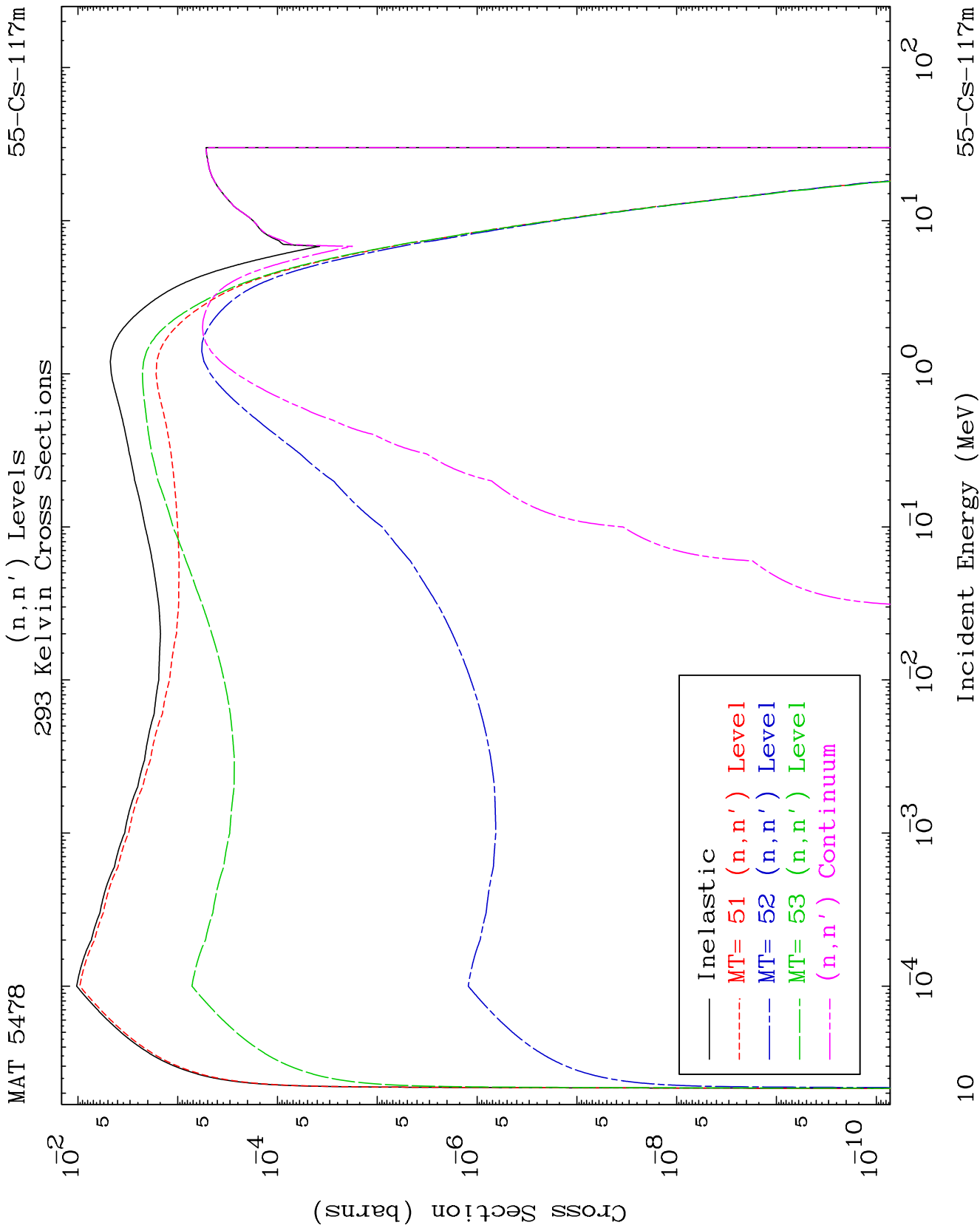
55-Cs-117m



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Incident Energy (MeV)

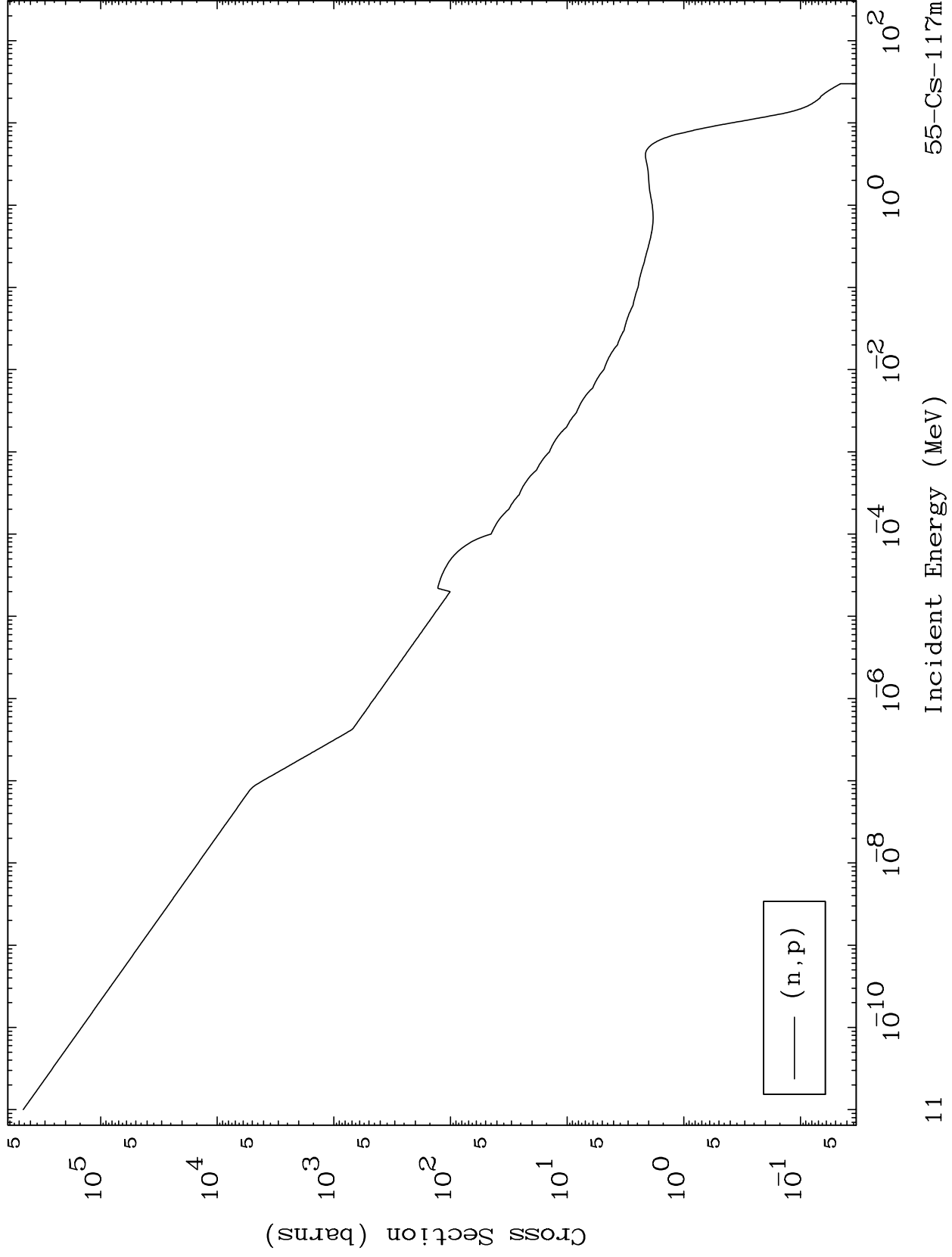
55-Cs-117m



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(n,p) Levels
293 Kelvin Cross Sections

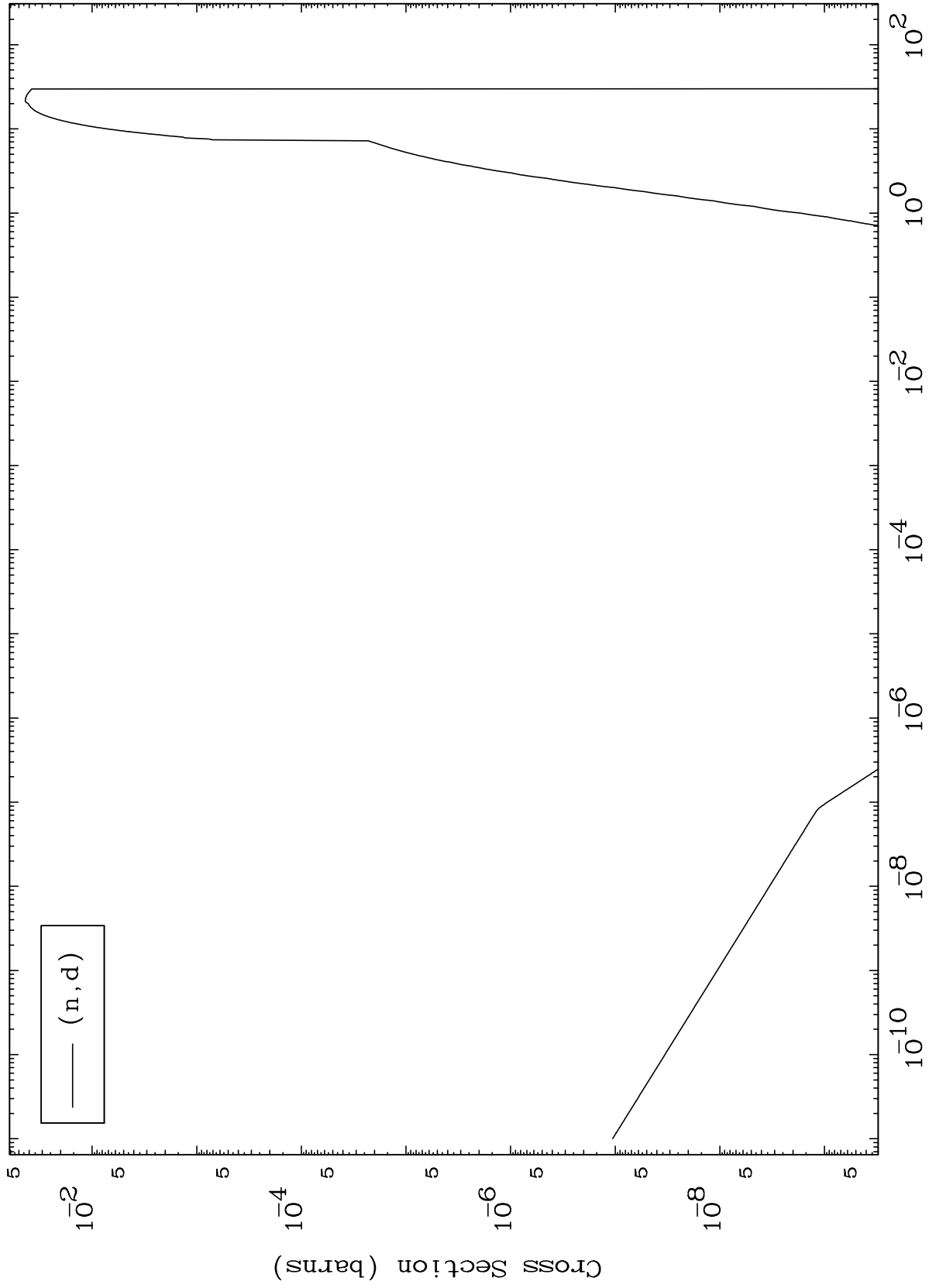
55-Cs-117m



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(n,d) Levels
293 Kelvin Cross Sections

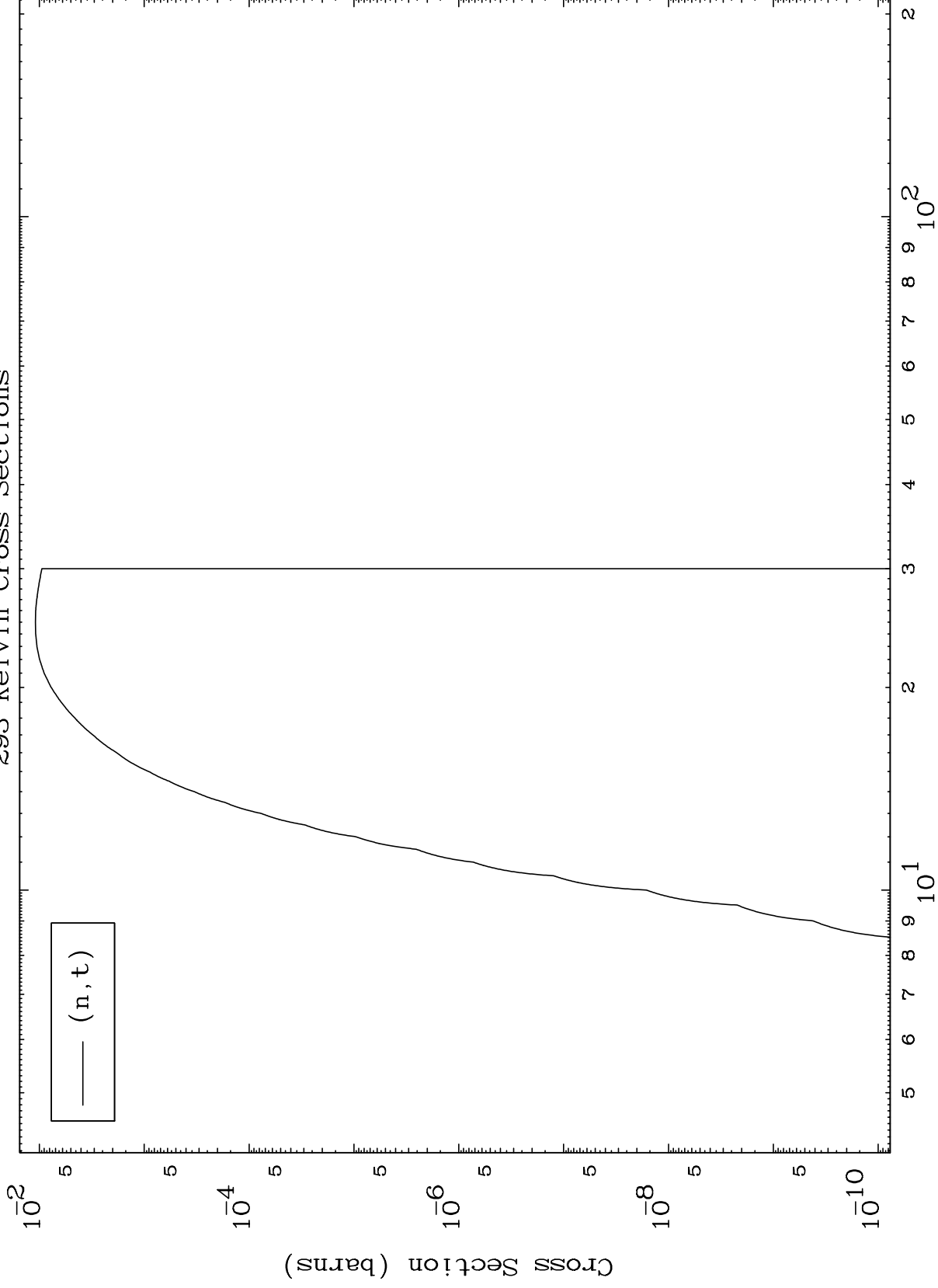
55-Cs-117m



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(n,t) Levels
293 Kelvin Cross Sections

55-Cs-117m



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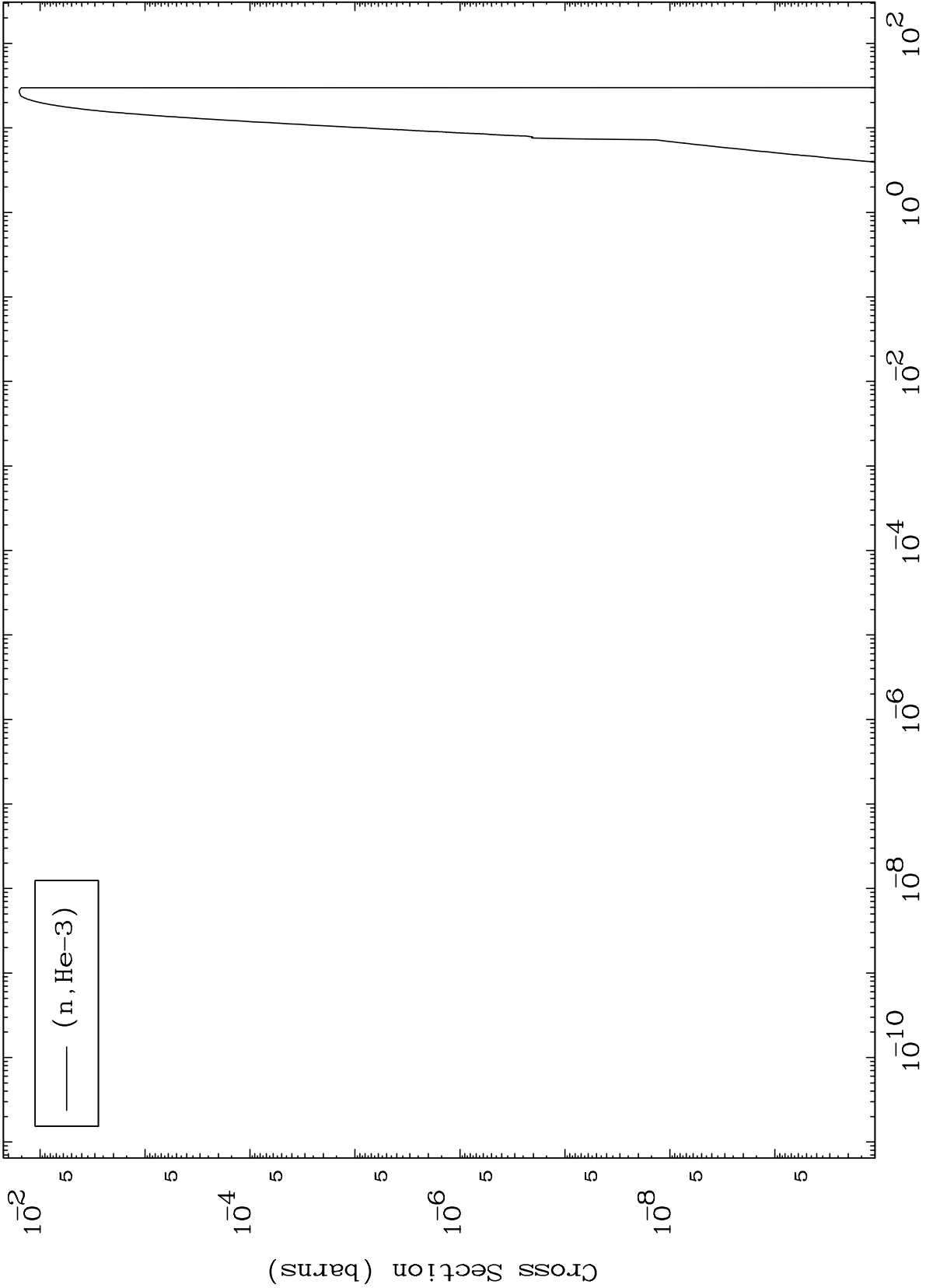
Incident Energy (MeV)

55-Cs-117m

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(n,He3) Levels
293 Kelvin Cross Sections

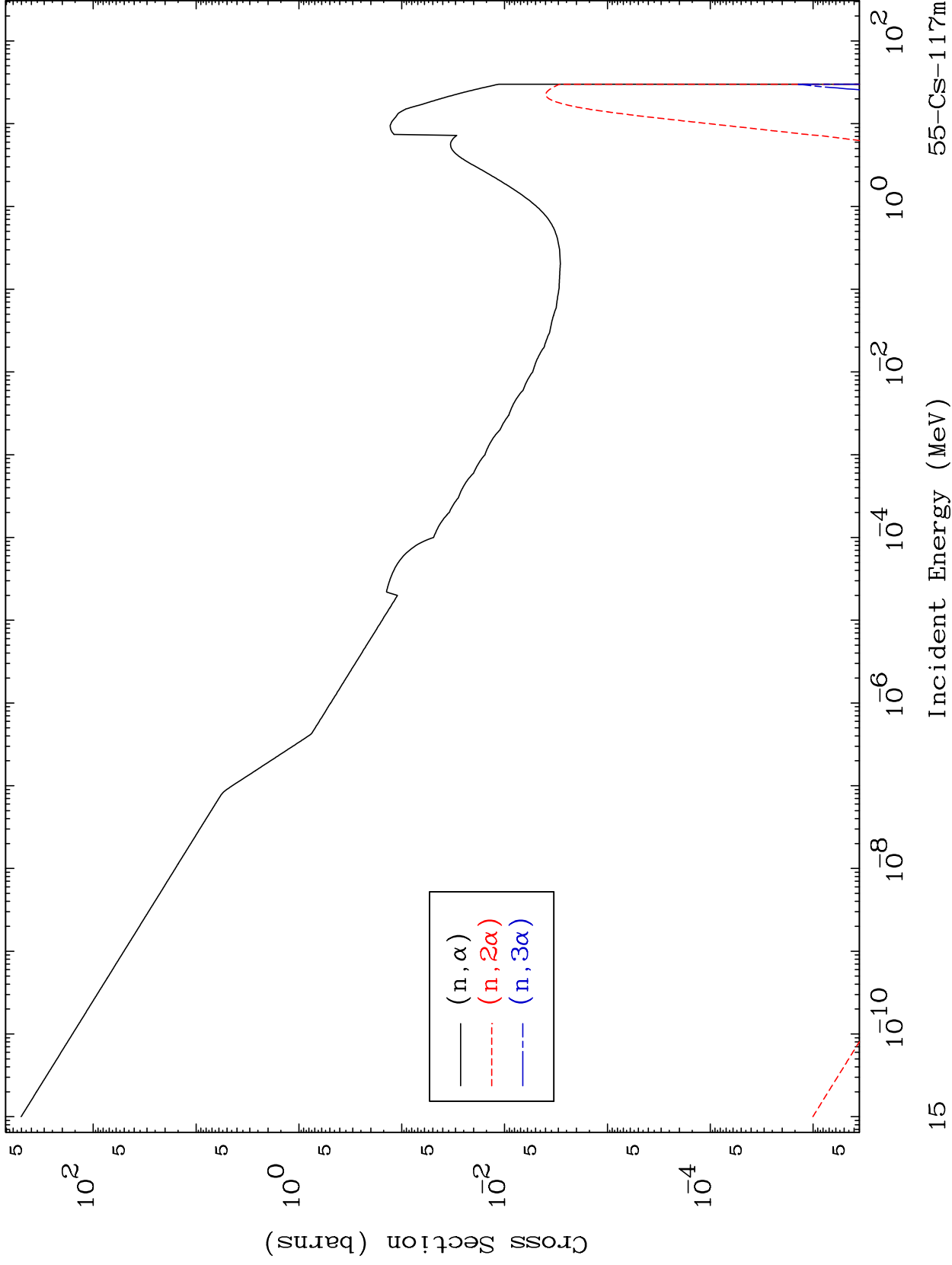
55-Cs-117m



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(n,α) Levels
293 Kelvin Cross Sections

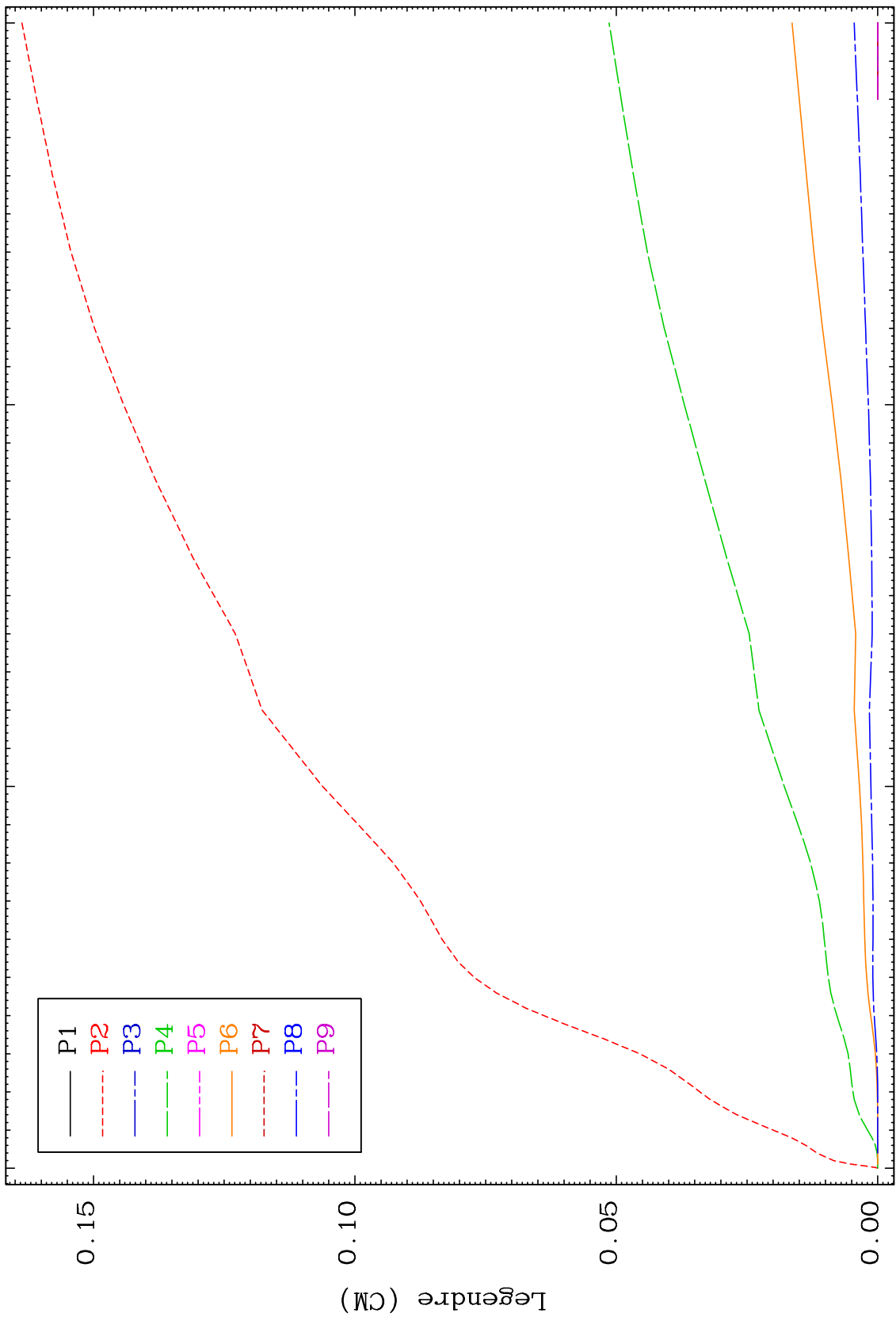
55-Cs-117m



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Elastic Legendre Coefficients

55-Cs-117m



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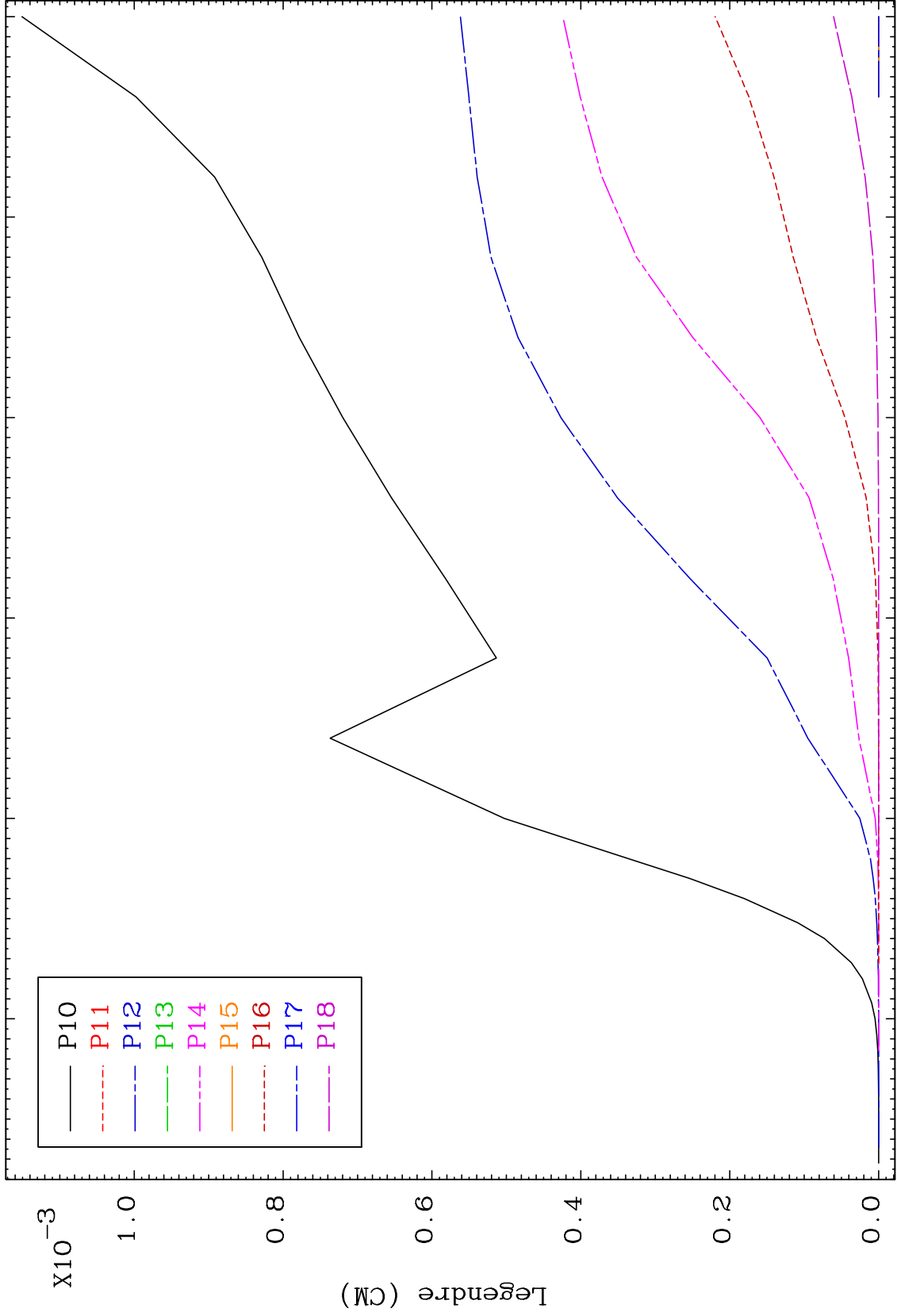
Incident Energy (MeV)

55-Cs-117m

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Elastic Legendre Coefficients

55-Cs-117m



17

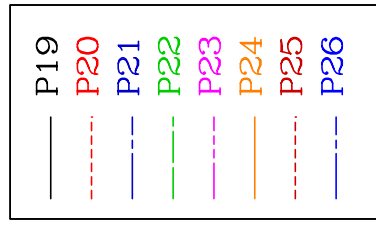
Incident Energy (MeV)

55-Cs-117m

MAT 5478

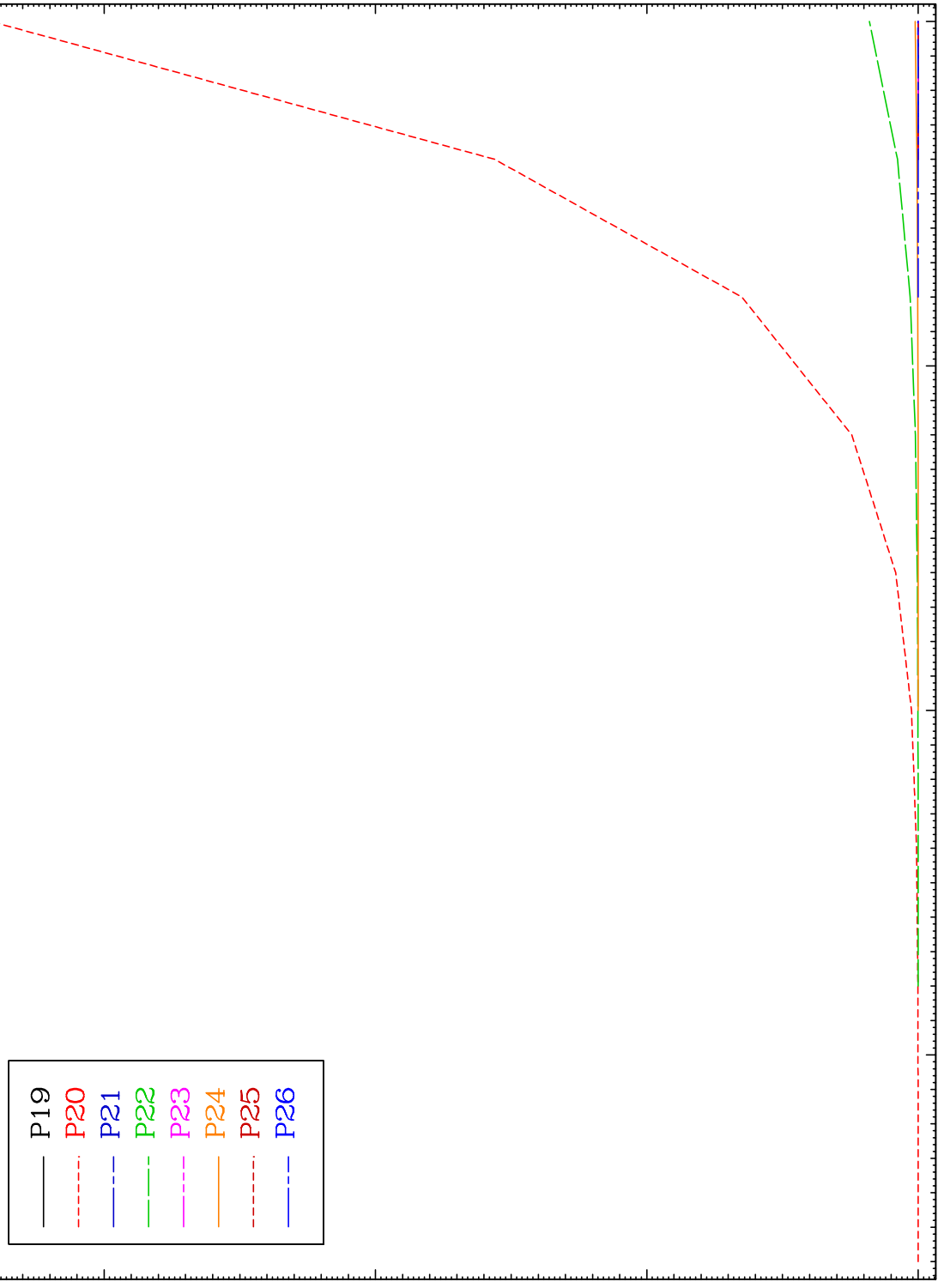
Elastic
Legendre Coefficients

55-Cs-117m



$\times 10^{-6}$

Legendre (CM)



18

Incident Energy (MeV)

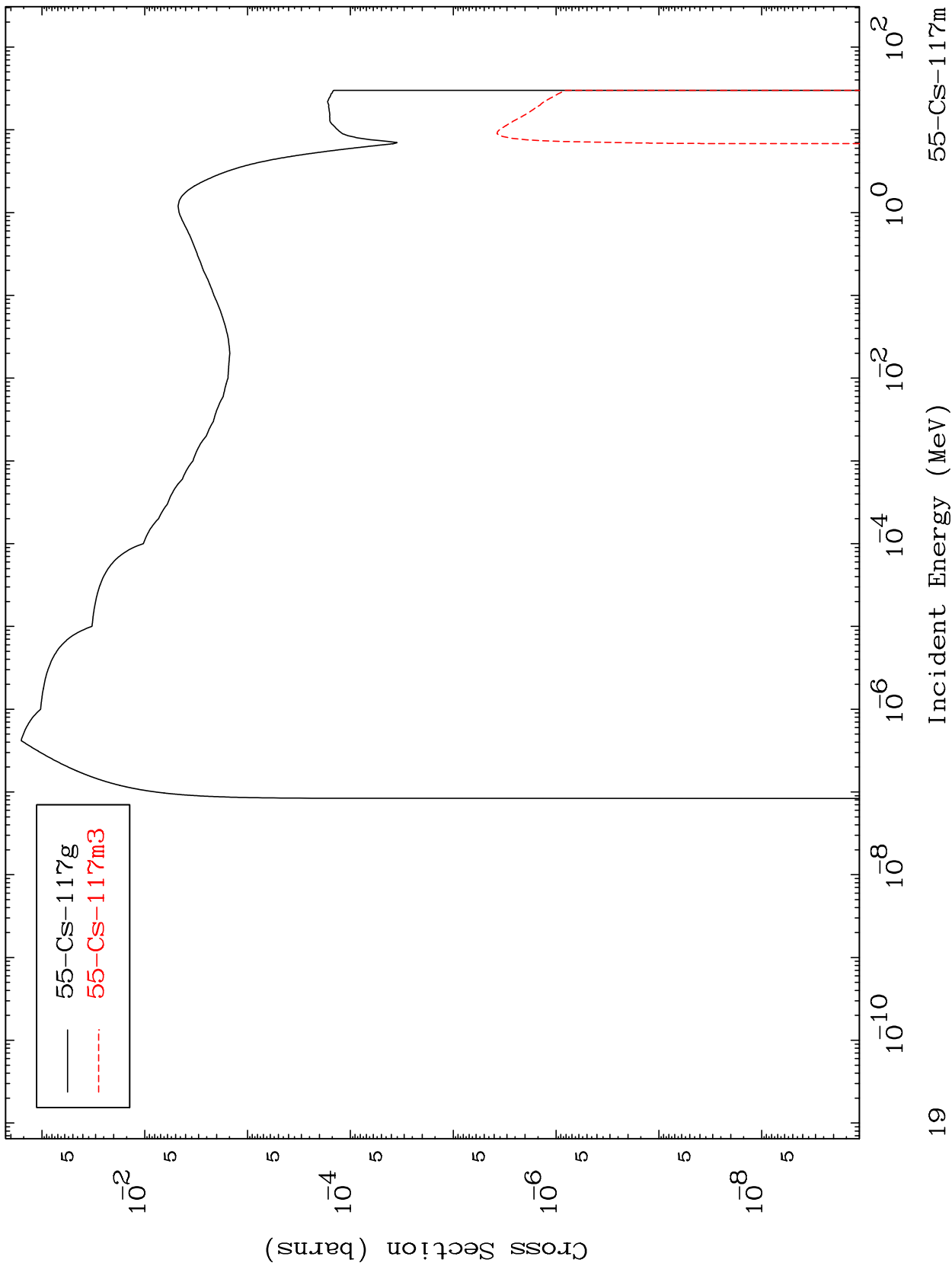
55-Cs-117m

30

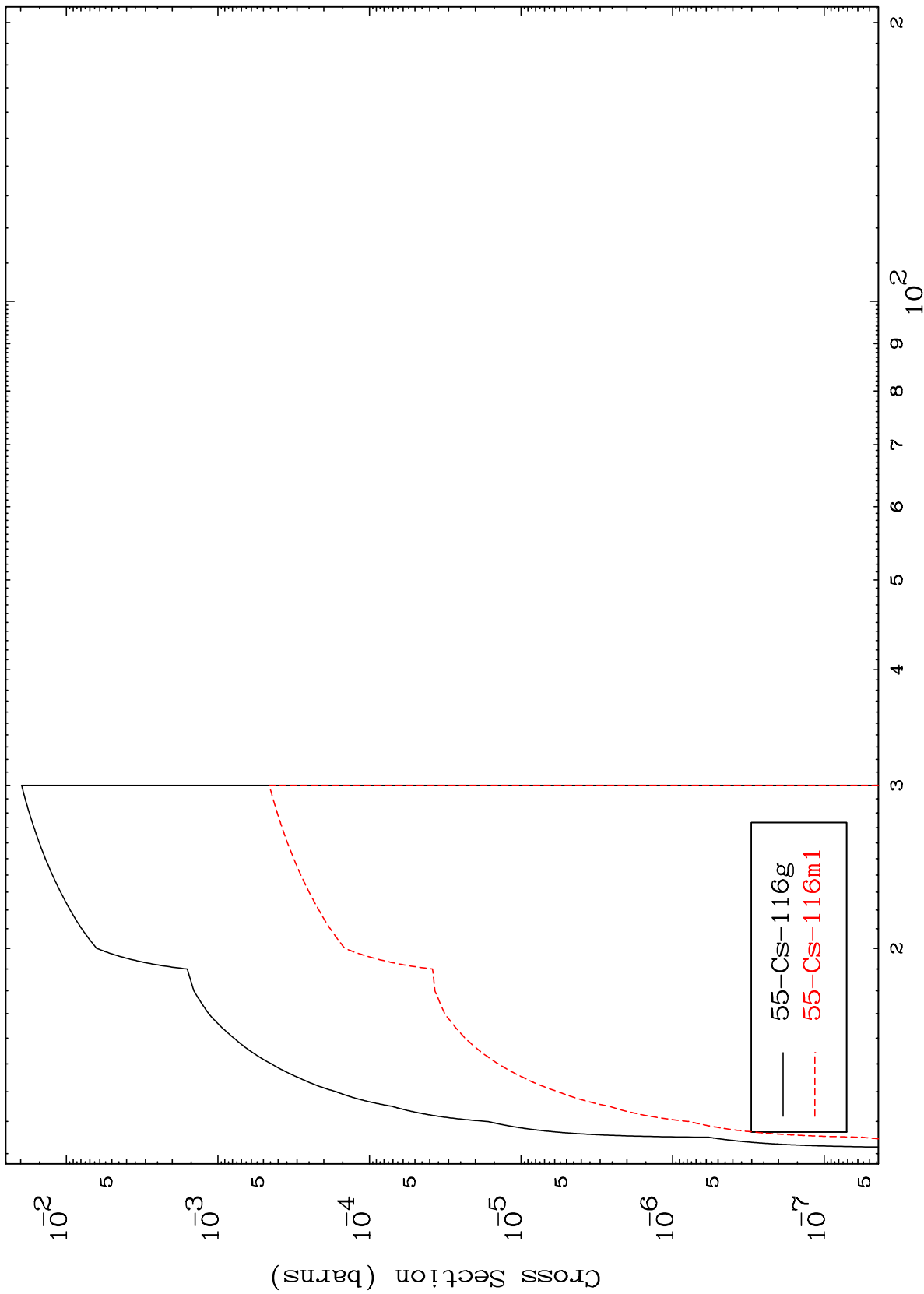
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55-Cs-117m

Inelastic
Radionuclide Production Cross Section



(n,2n)
Radionuclide Production Cross Section

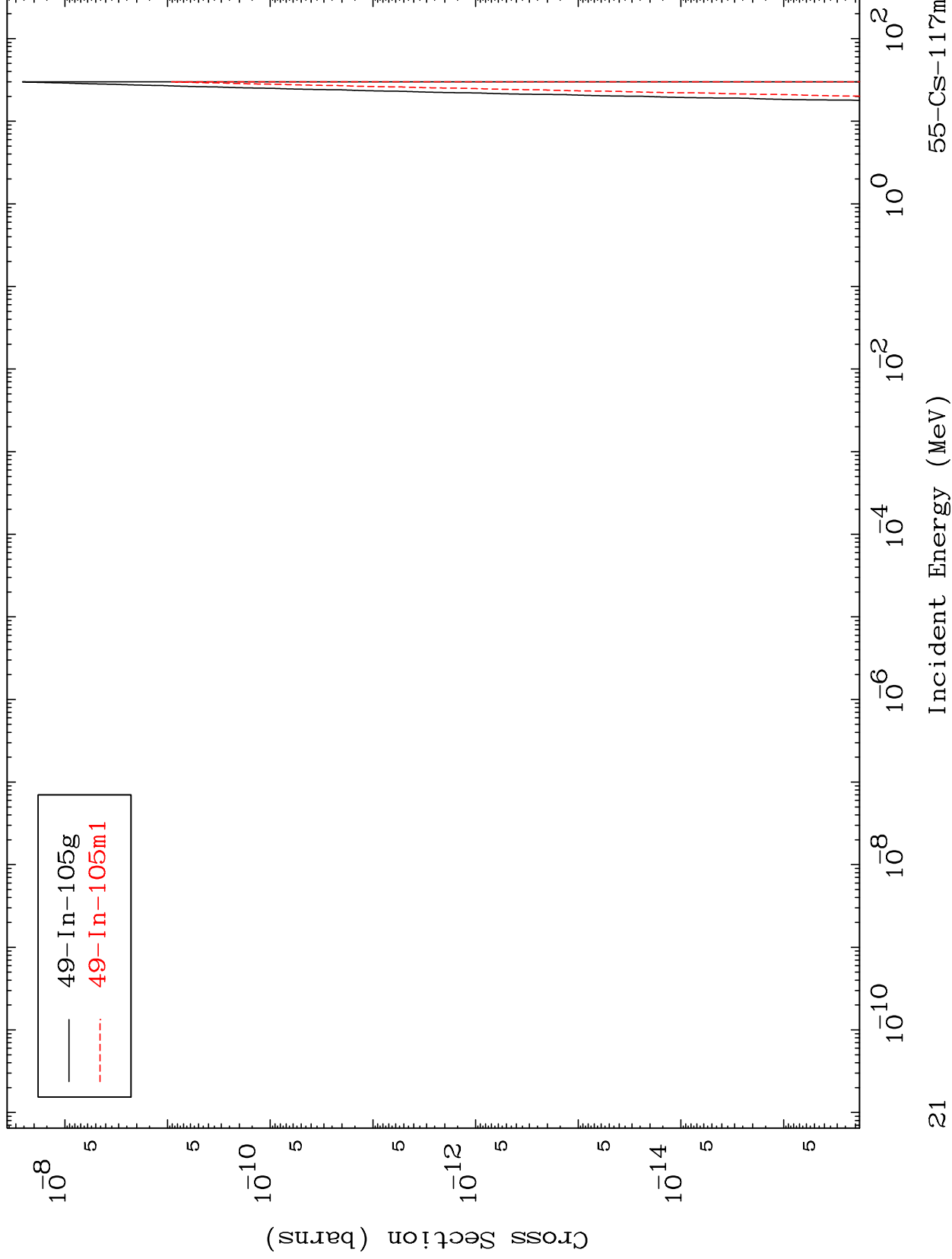


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(n,n') 3 α

55-Cs-117m

Radionuclide Production Cross Section

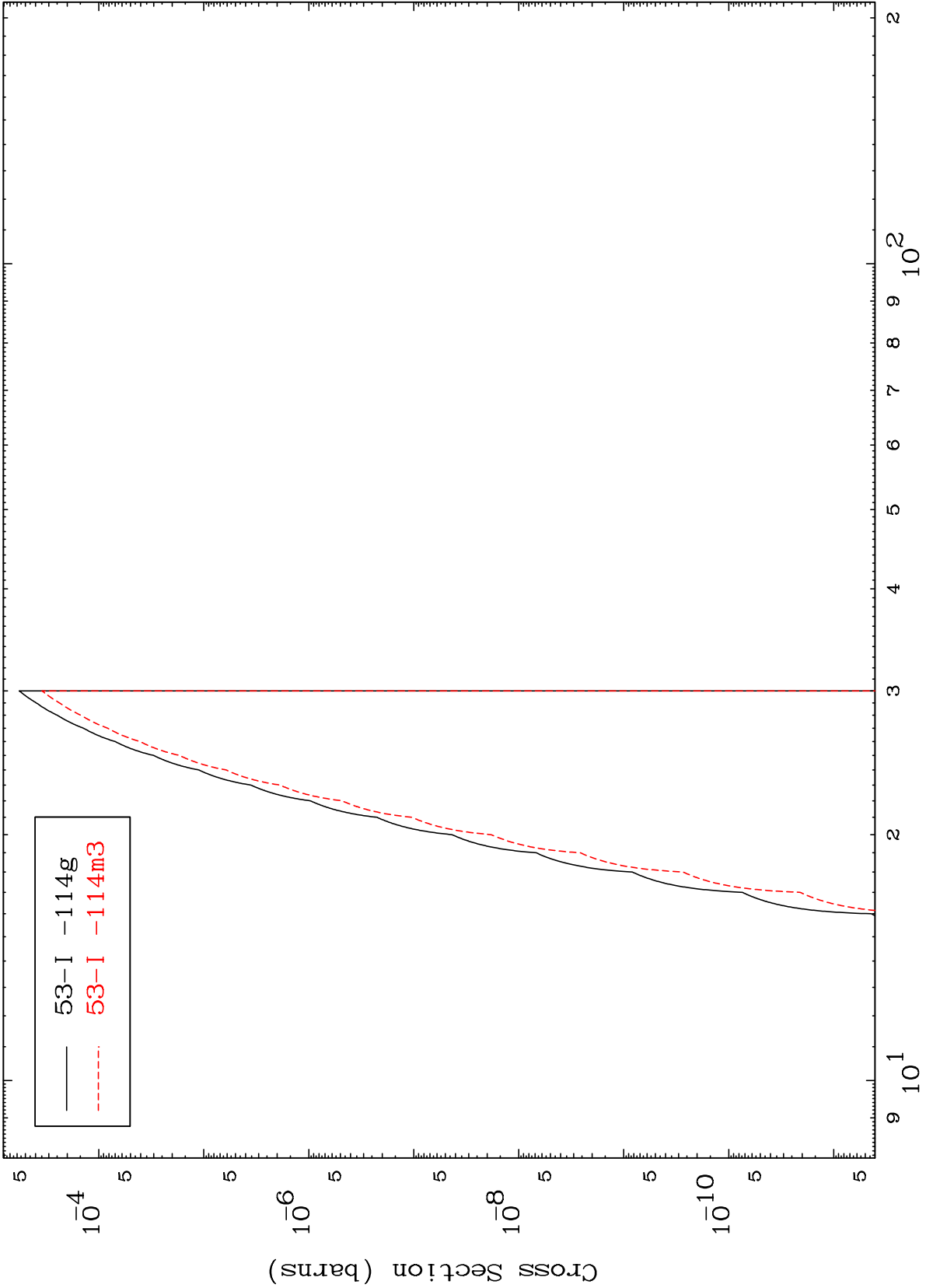


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(n,n') He-3

55-Cs-117m

Radionuclide Production Cross Section

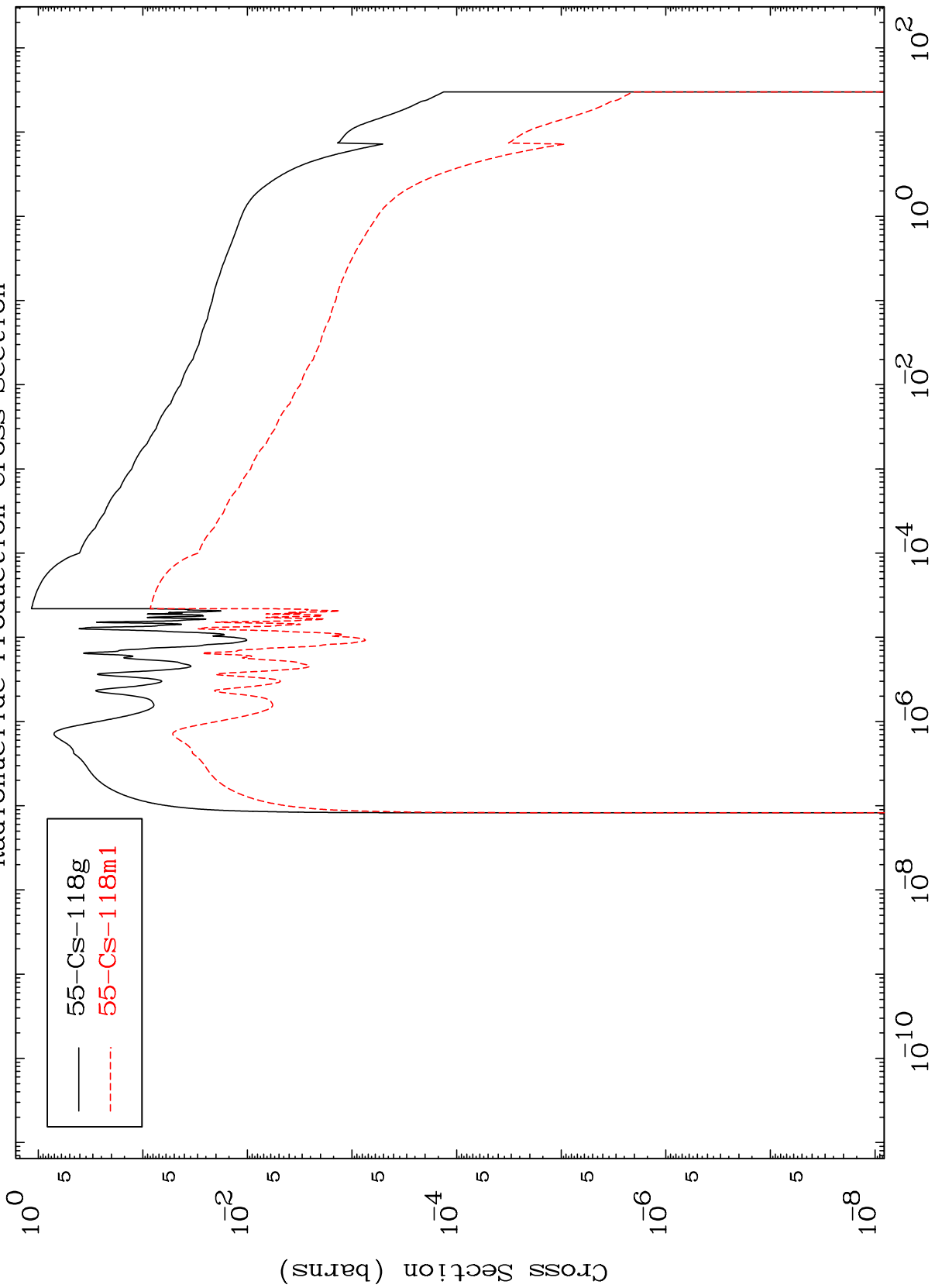


53-I-114g
53-I-114m3

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55-Cs-117m

Radionuclide Production Cross Section

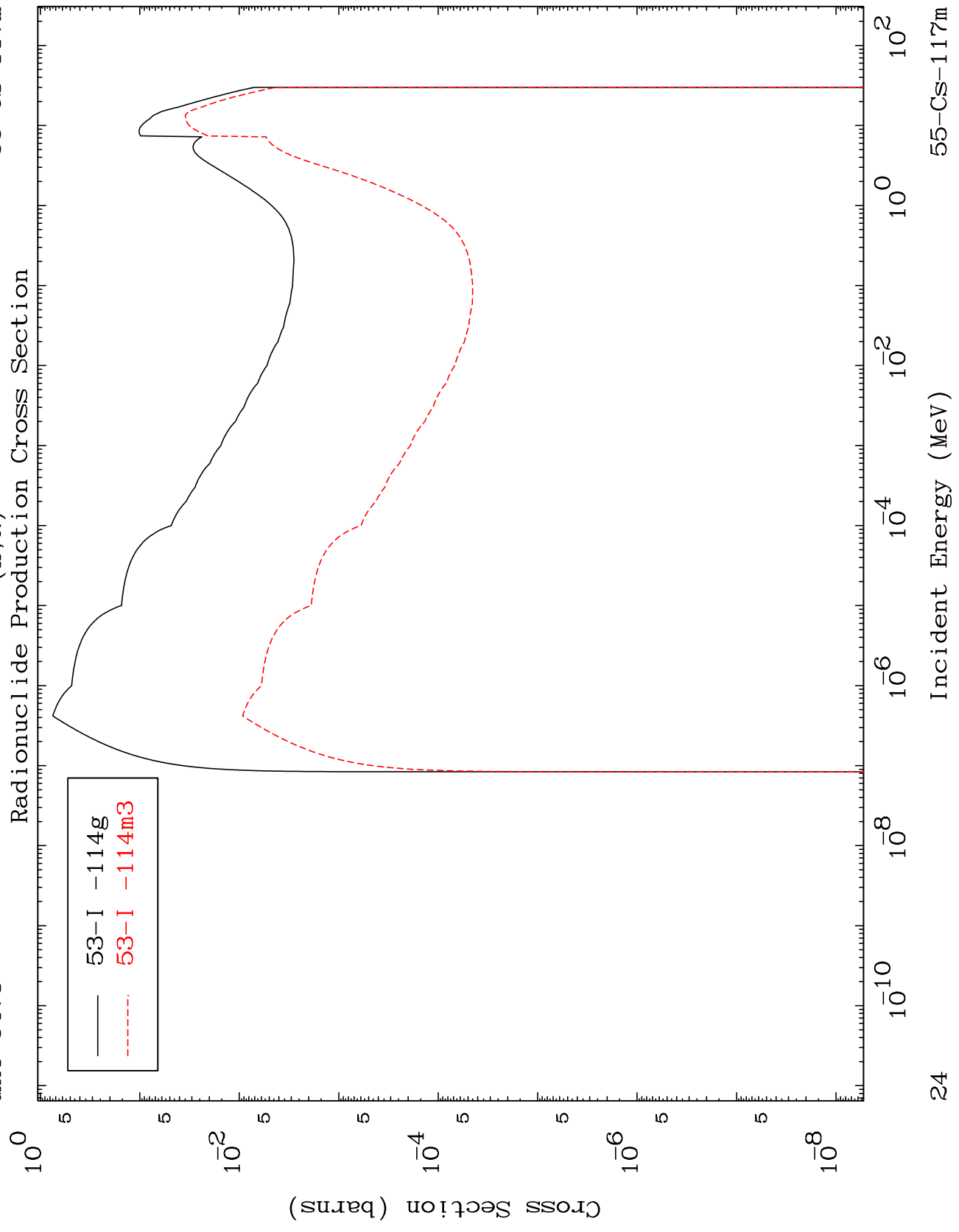


Incident Energy (MeV)

55-Cs-117m

MAT 5478

55-Cs-117m



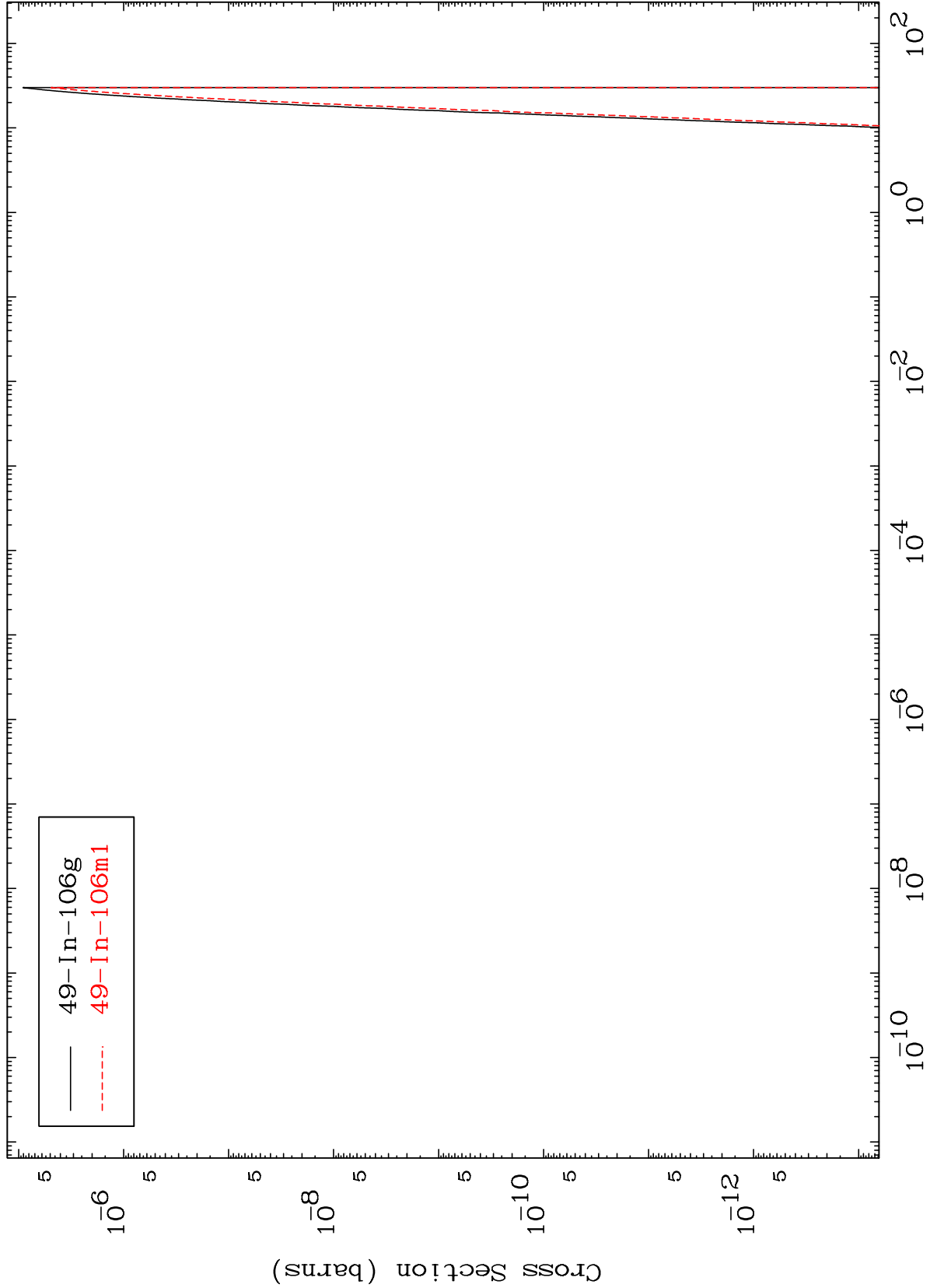
53-I -114g
53-I -114m3

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(n,3α)

55-Cs-117m

Radionuclide Production Cross Section



49-In-106g
49-In-106m1

