

Program EVALPLOT
(Version 2021-1)

by

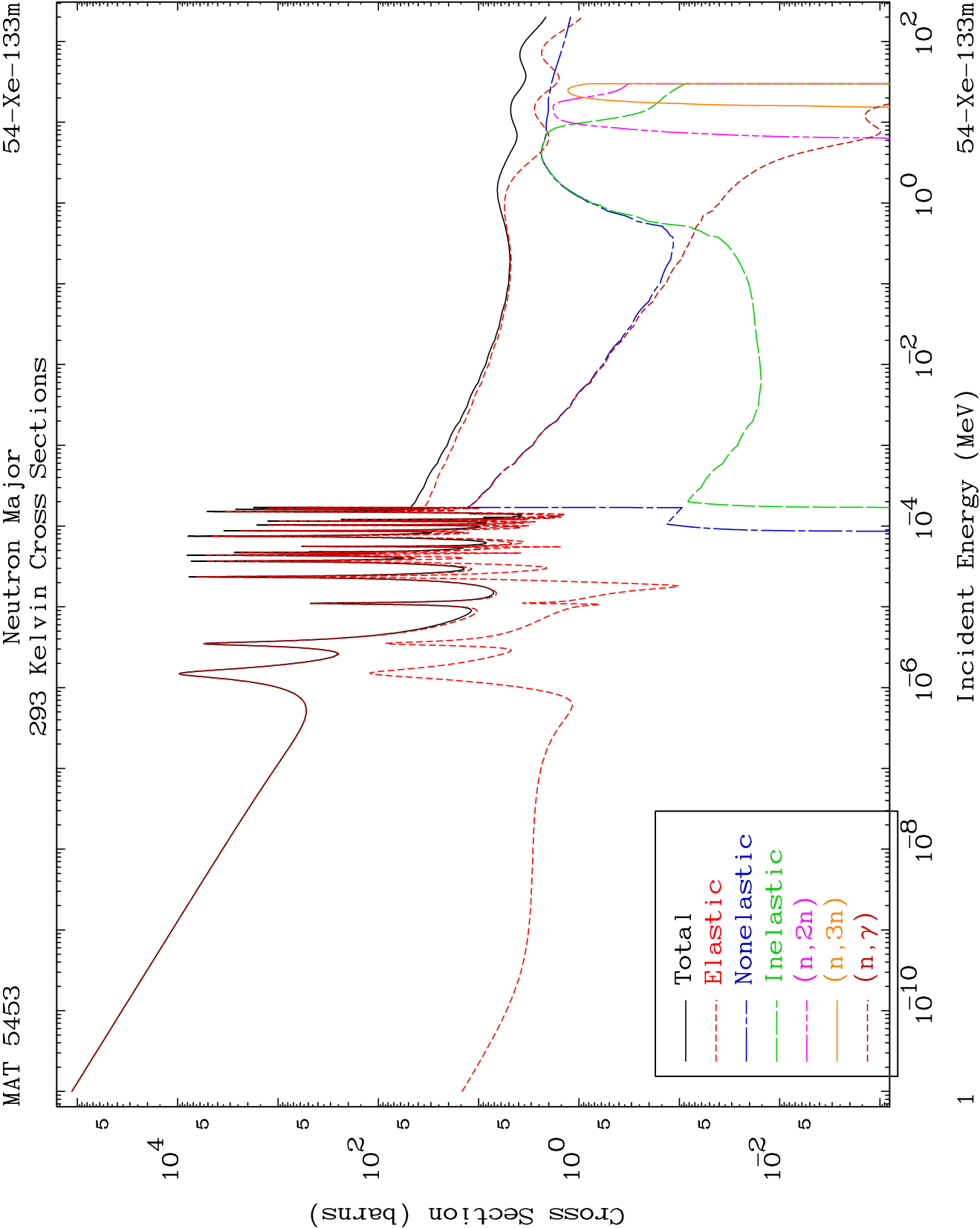
Dermott E. Cullen
(Present Contact Information)

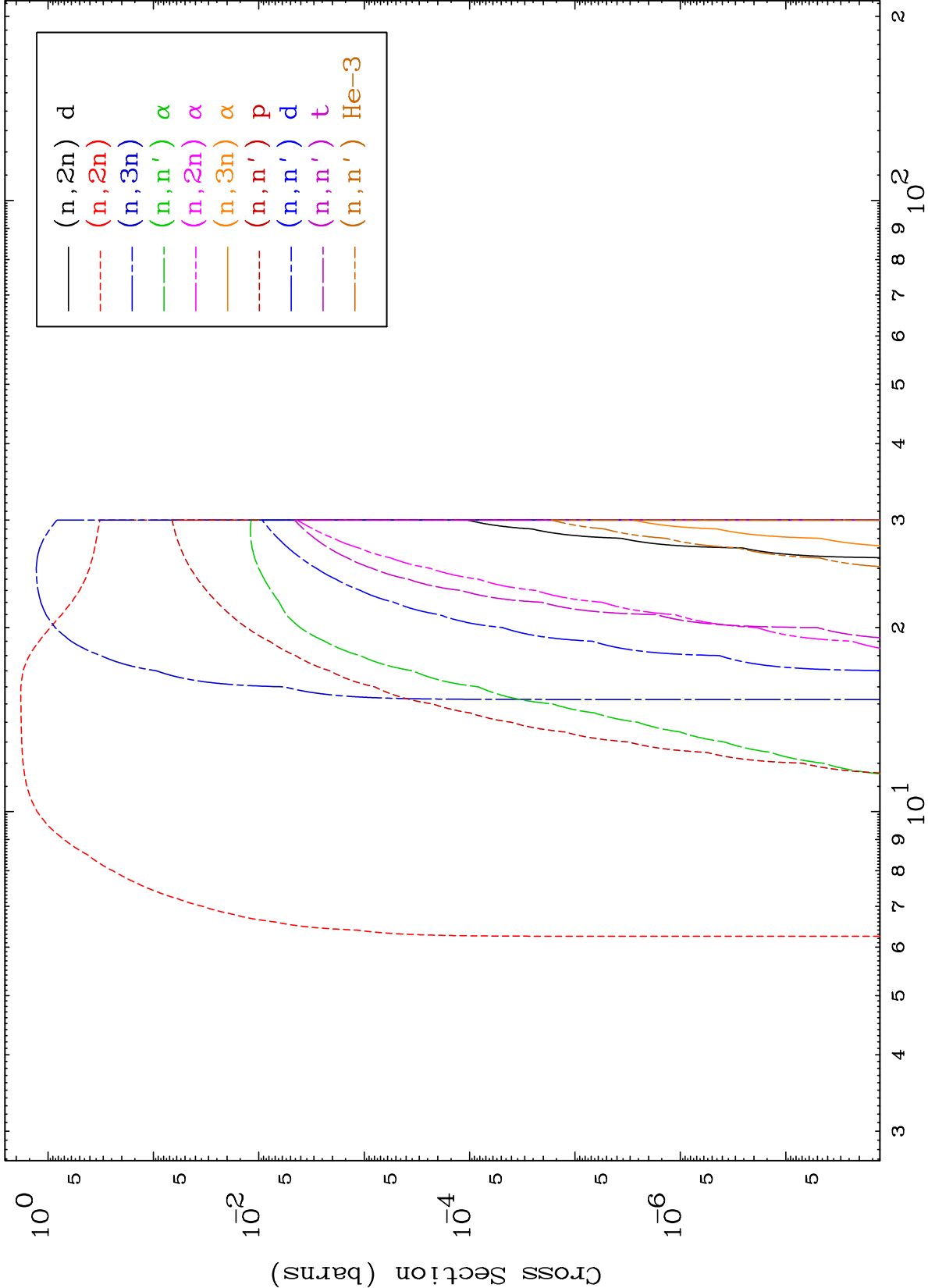
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

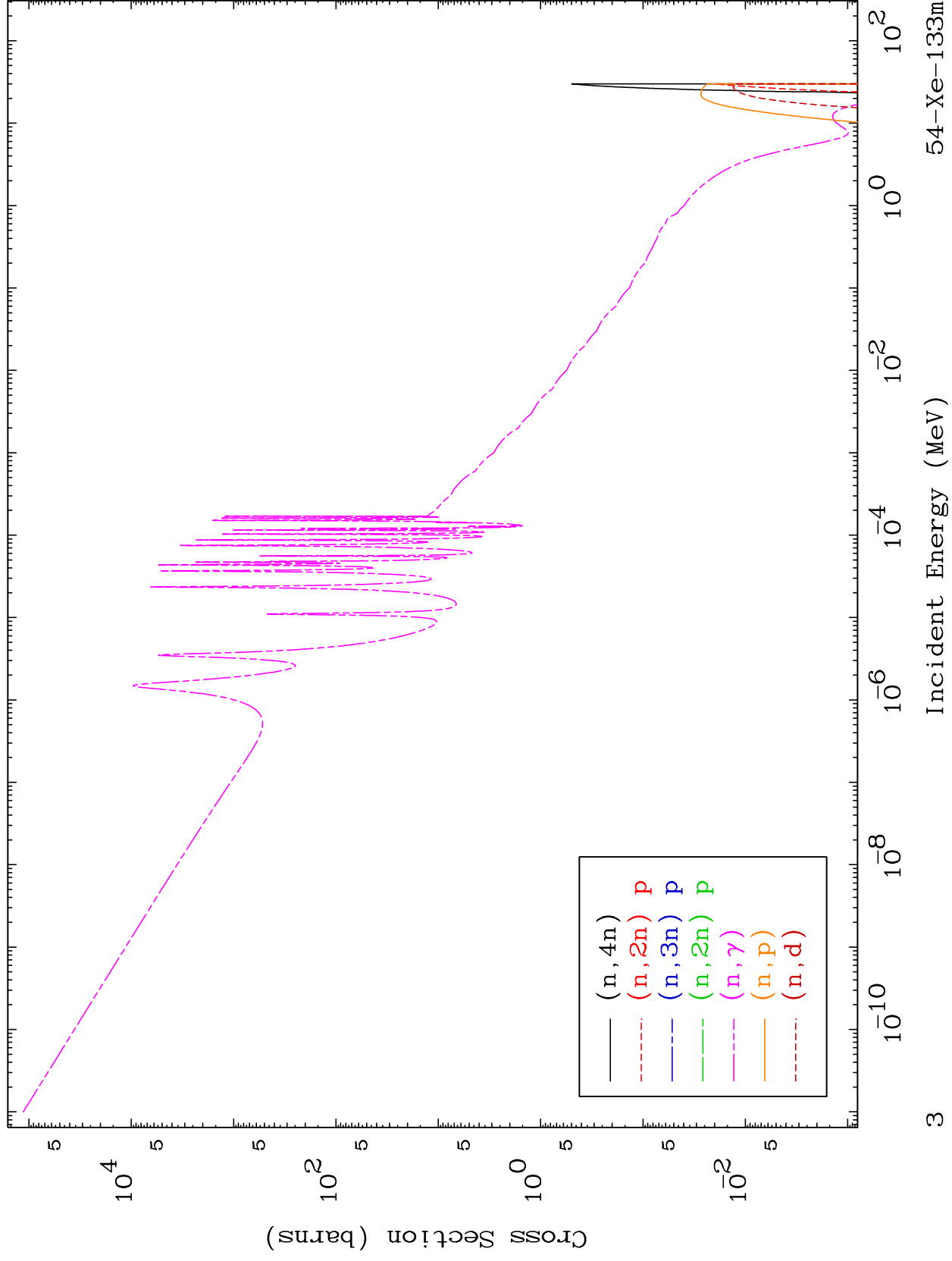


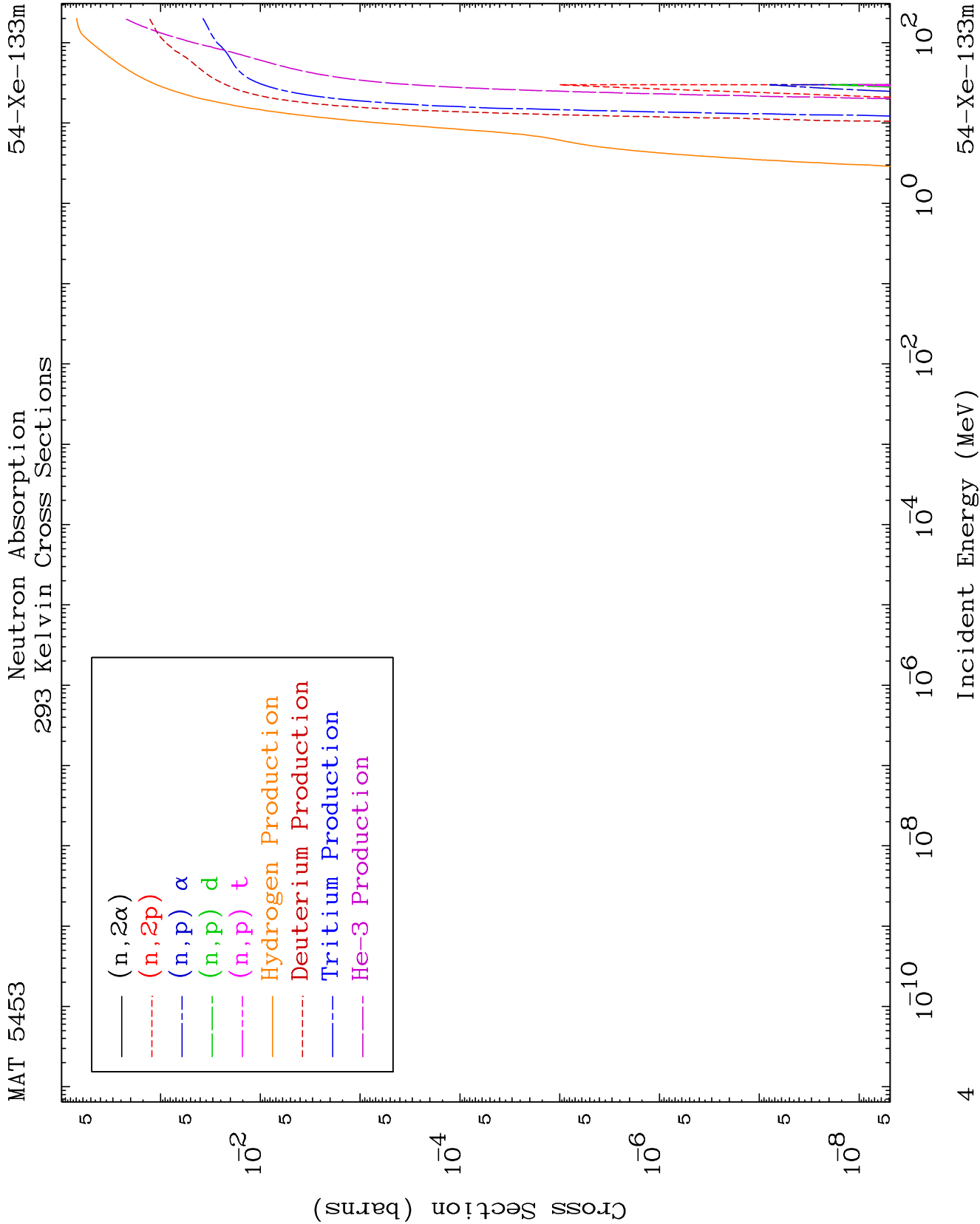


MAT 5453

Neutron Absorption
293 Kelvin Cross Sections

54-Xe-133m

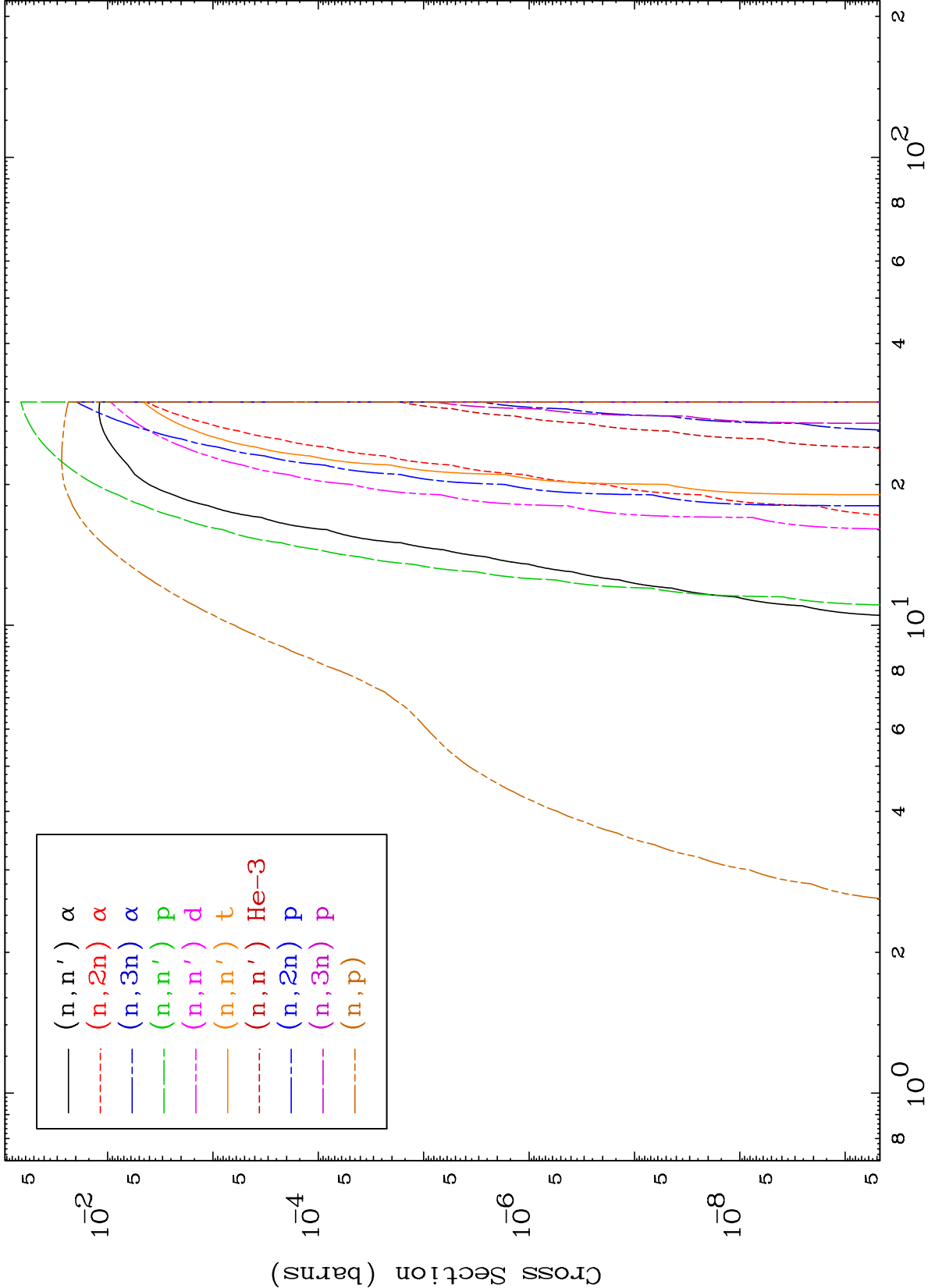




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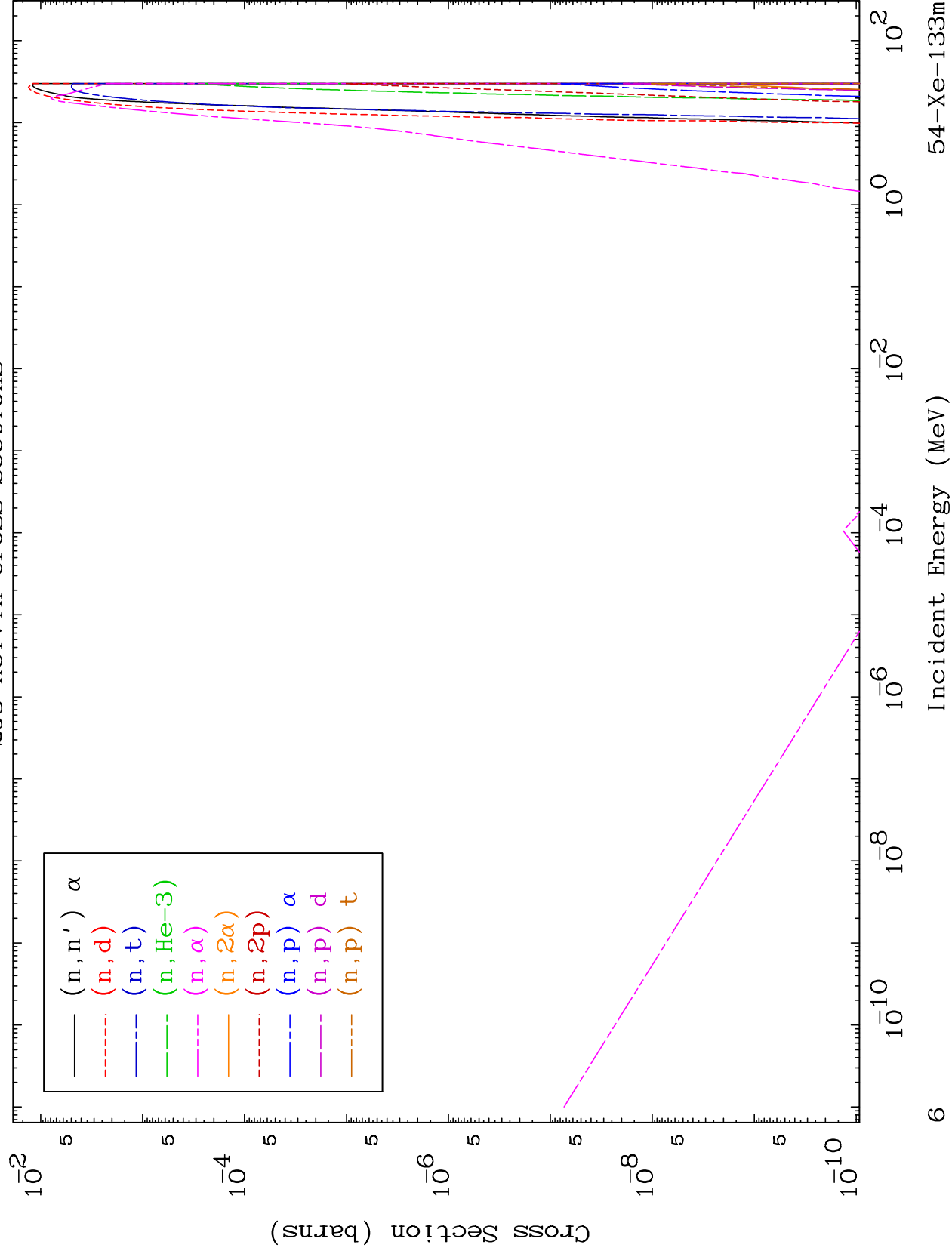
Charged Particle
293 Kelvin Cross Sections

54-Xe-133m



Incident Energy (MeV)

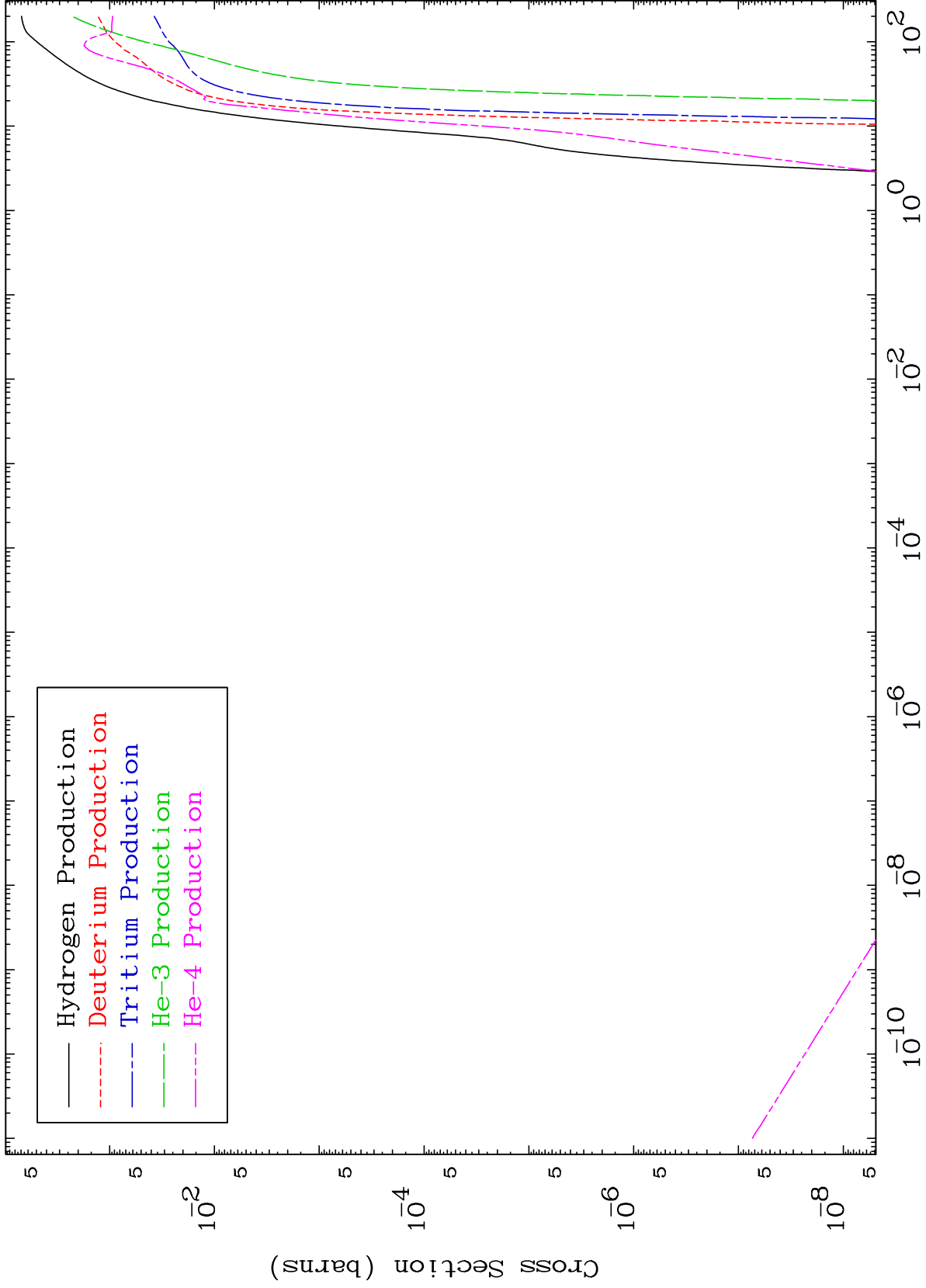
54-Xe-133m

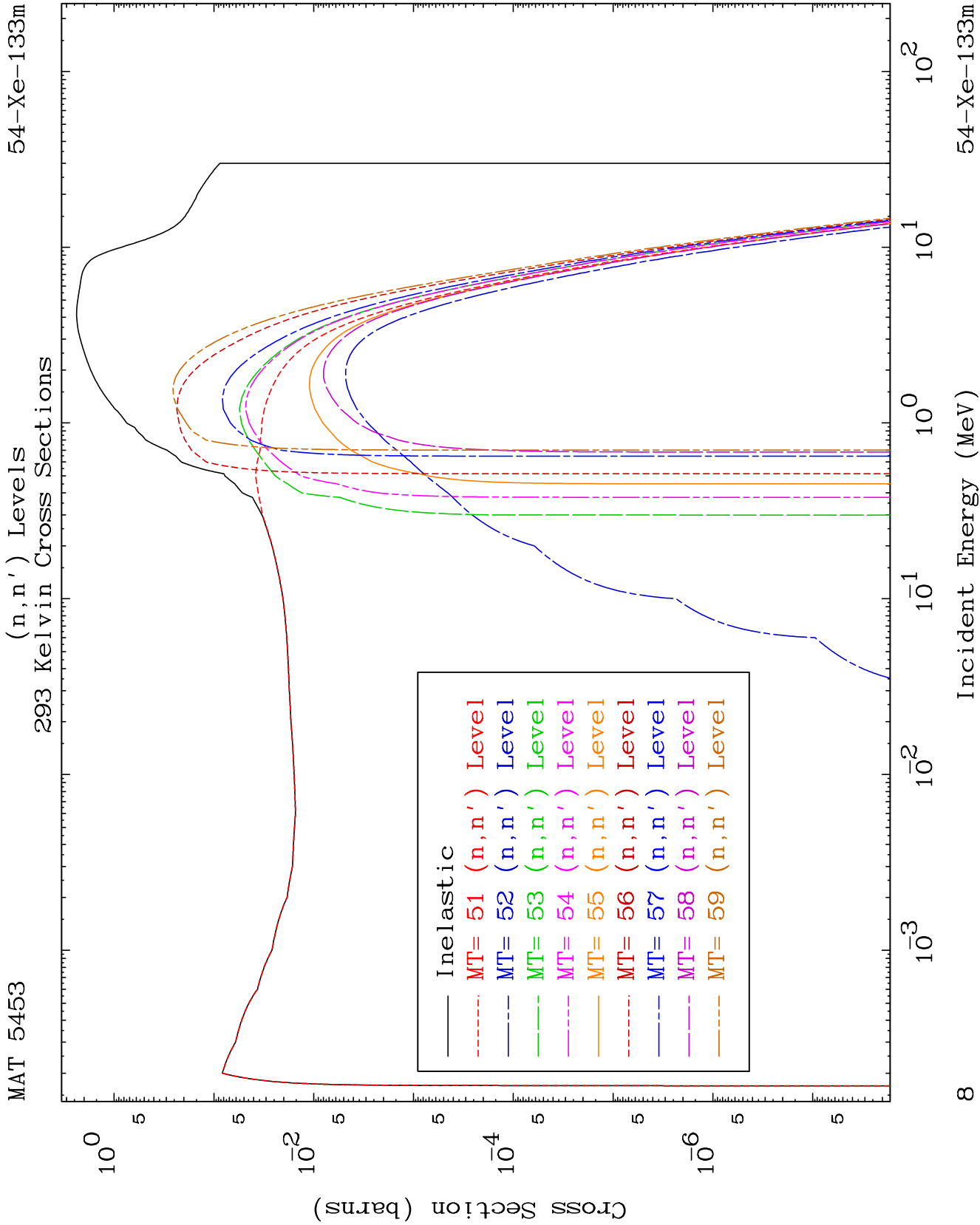


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Particle Production
293 Kelvin Cross Sections

54-Xe-133m



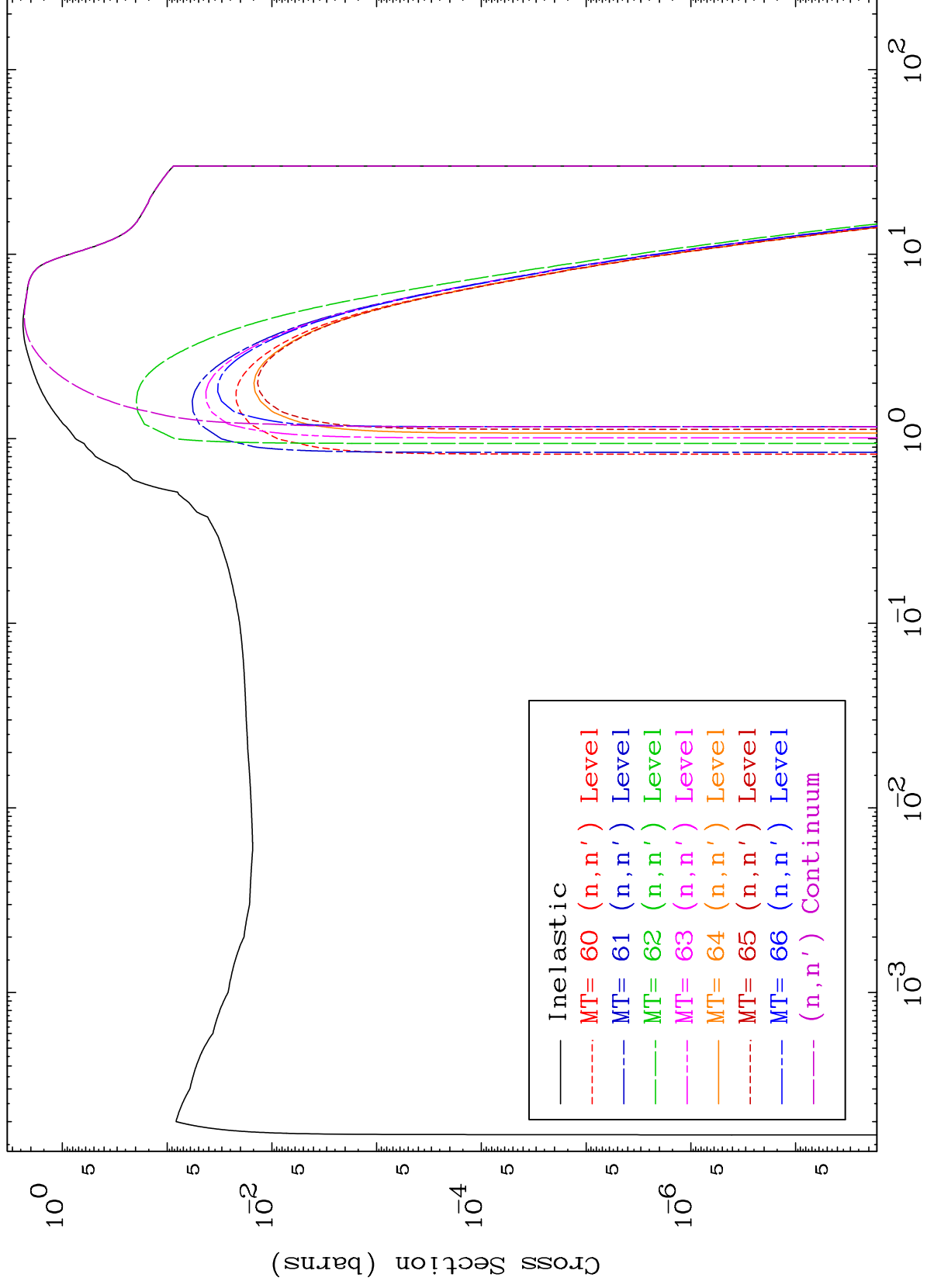


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(n,n') Levels

293 Kelvin Cross Sections

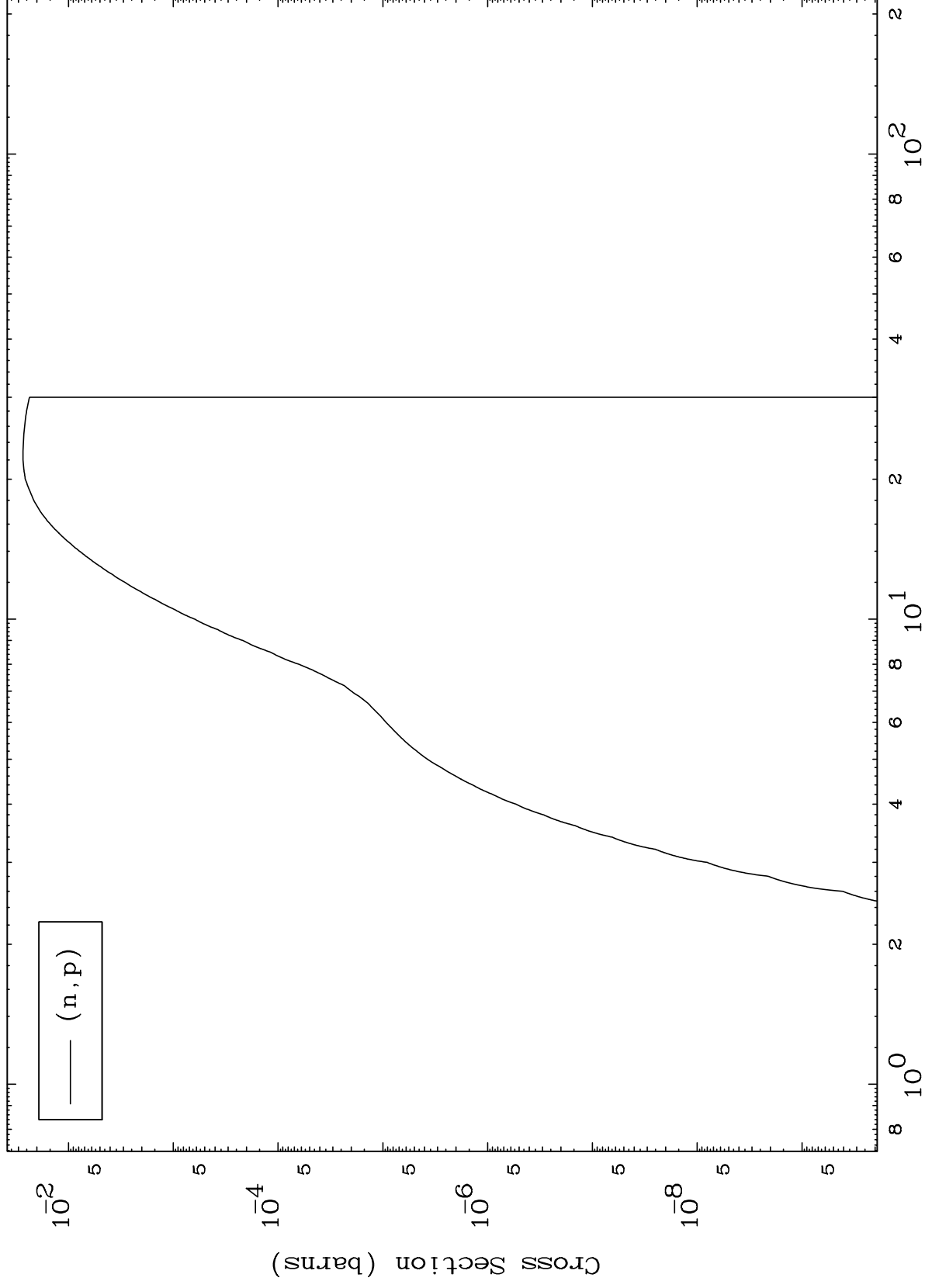
54-Xe-133m

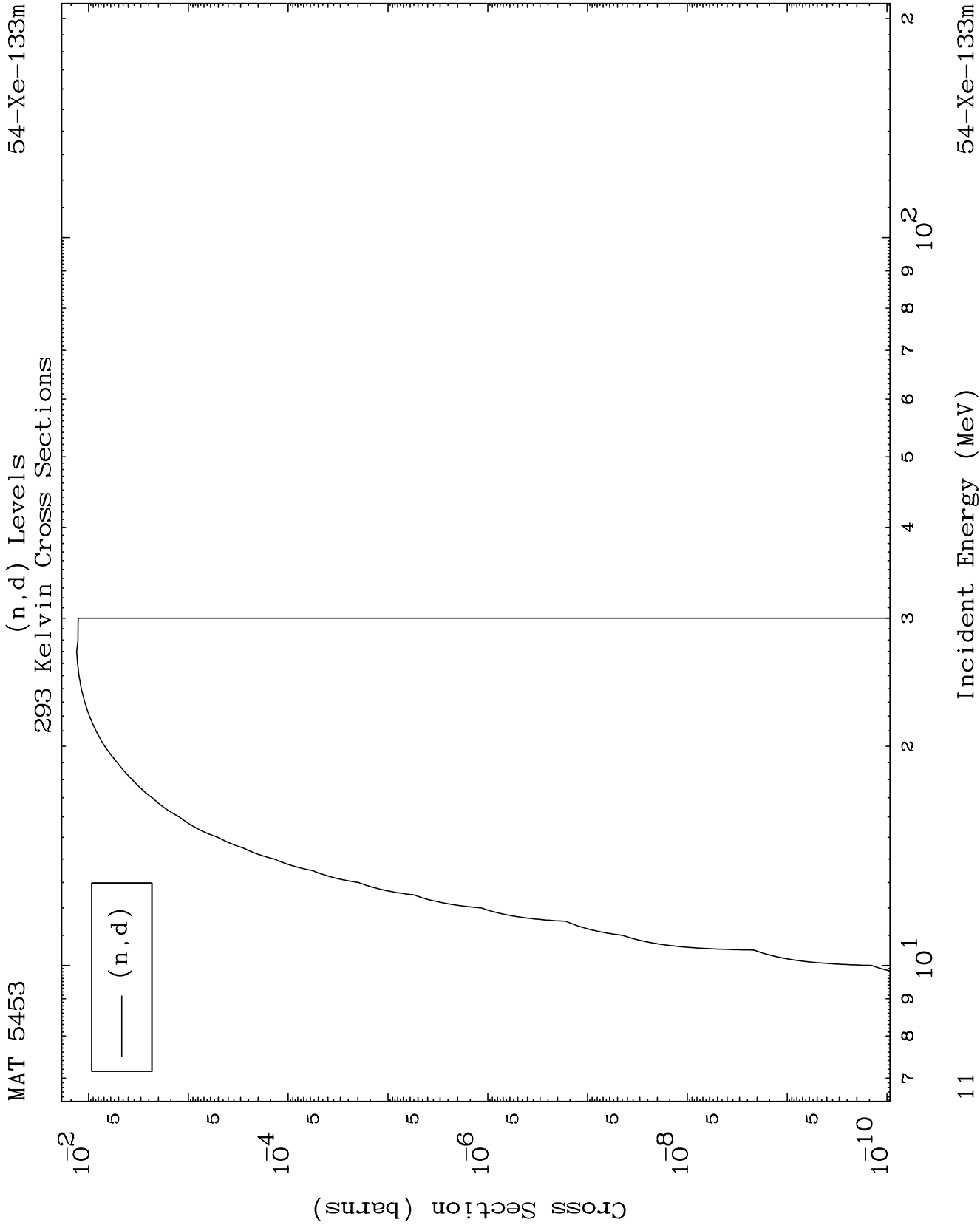


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(n,p) Levels
293 Kelvin Cross Sections

54-Xe-133m

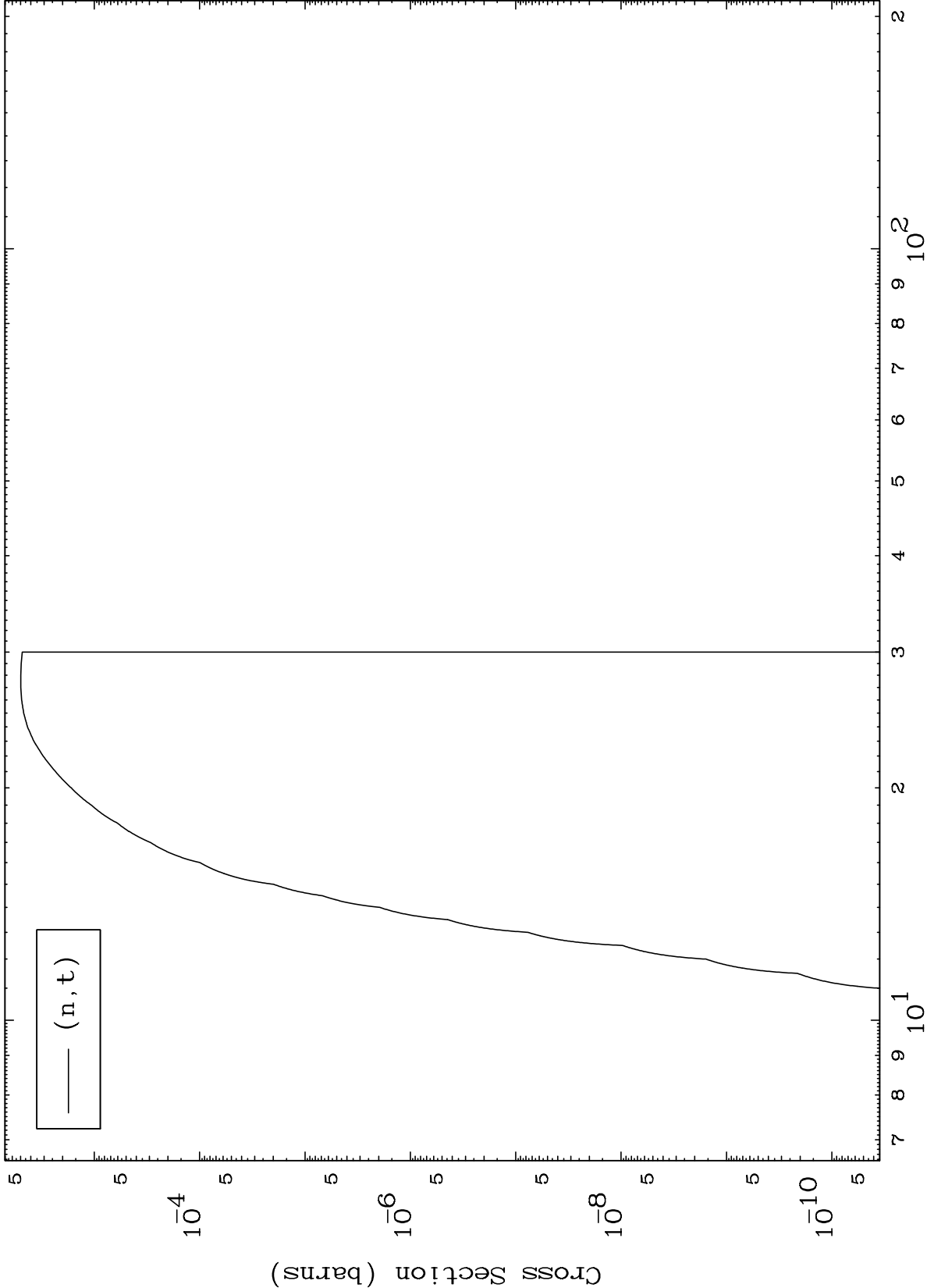




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(n,t) Levels
293 Kelvin Cross Sections

54-Xe-133m



Incident Energy (MeV)

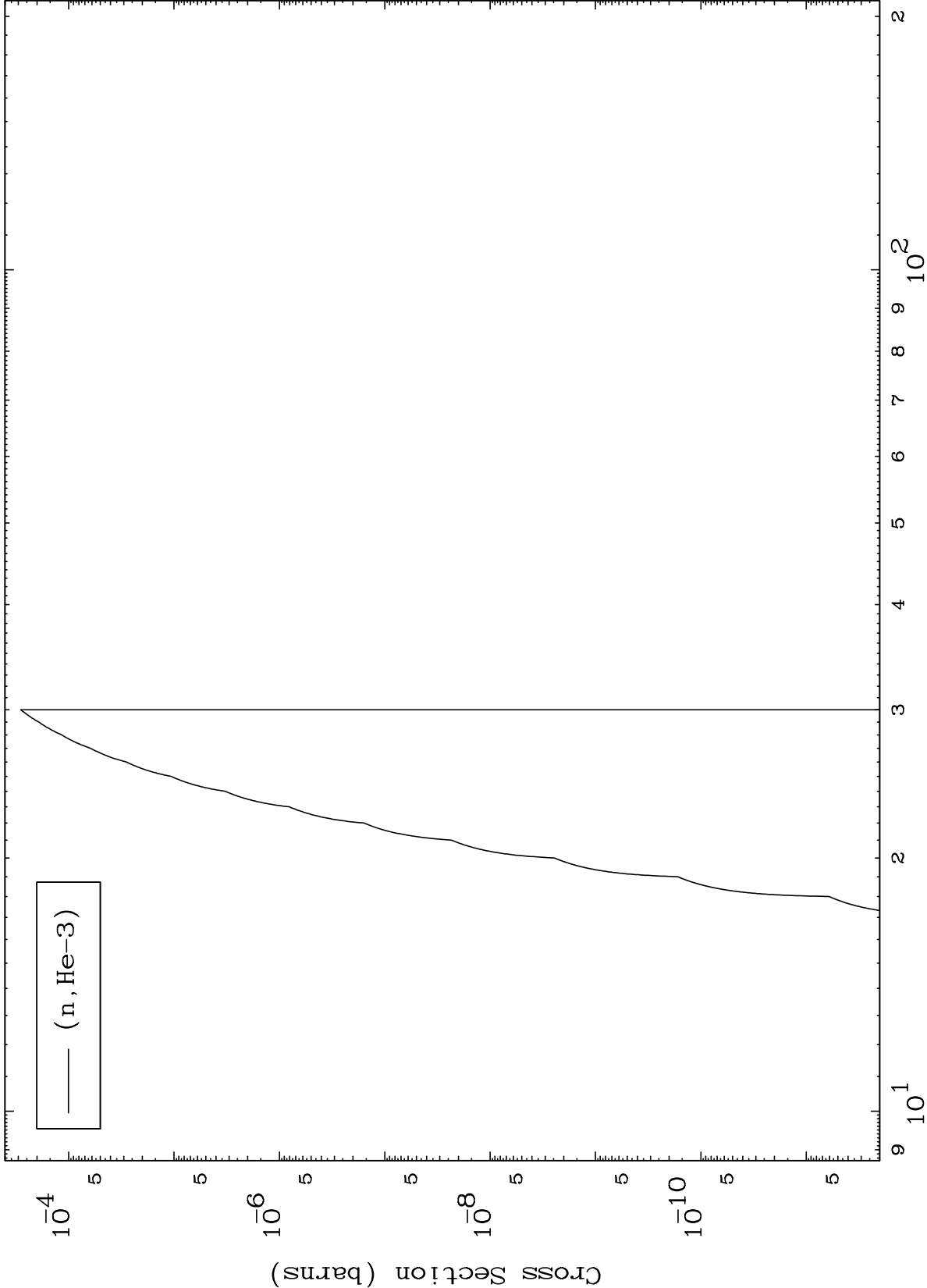
54-Xe-133m

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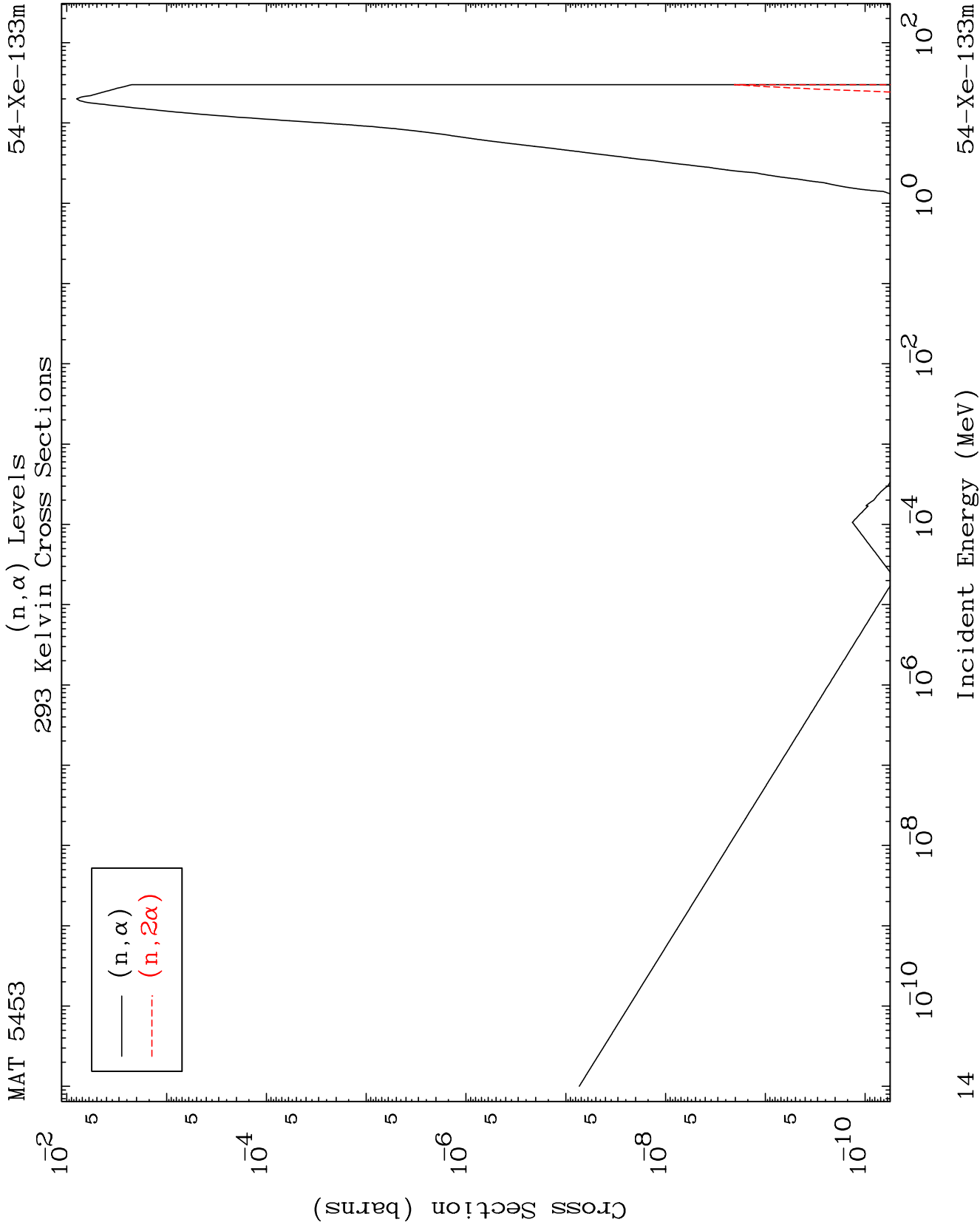
(n,He3) Levels
293 Kelvin Cross Sections

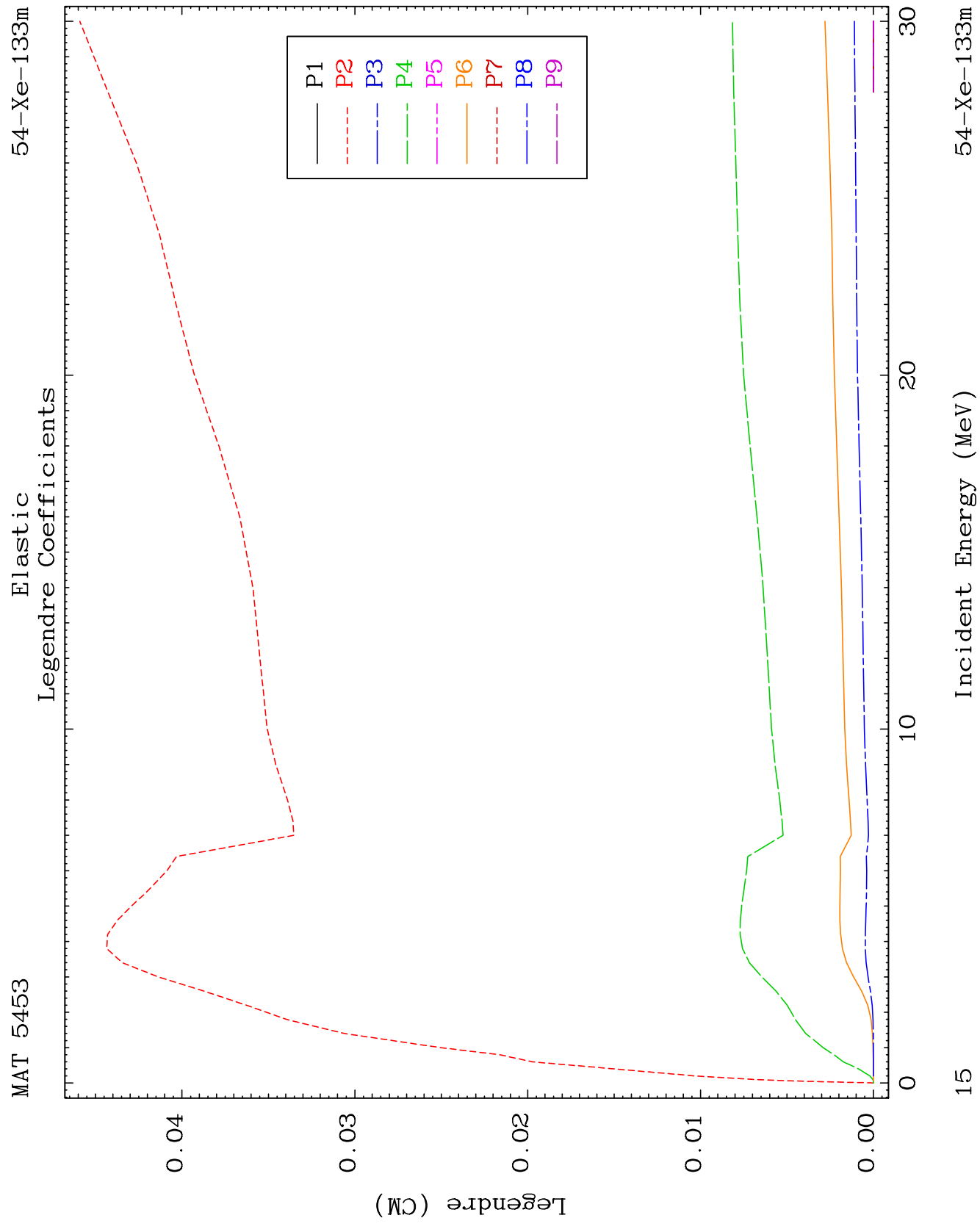
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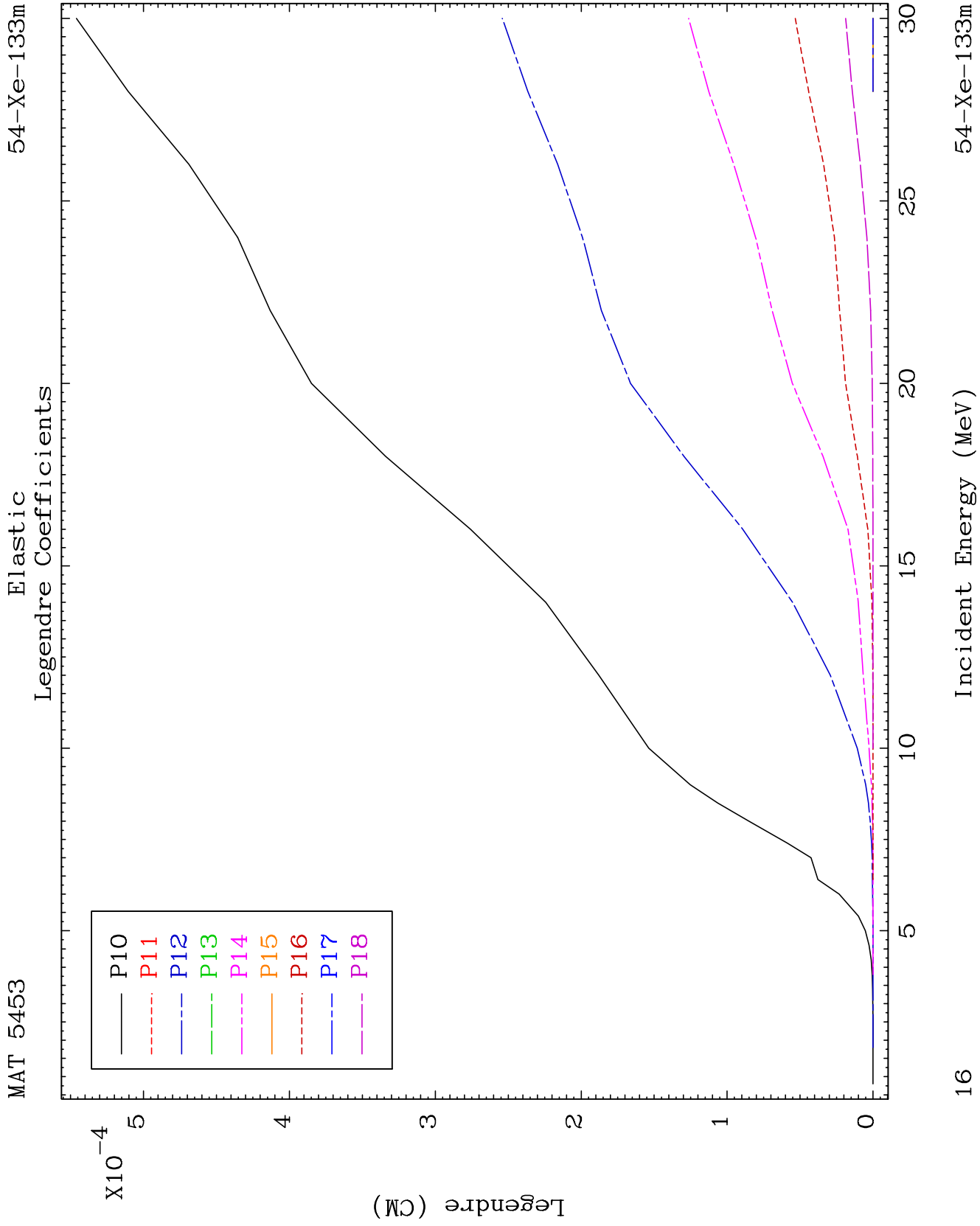


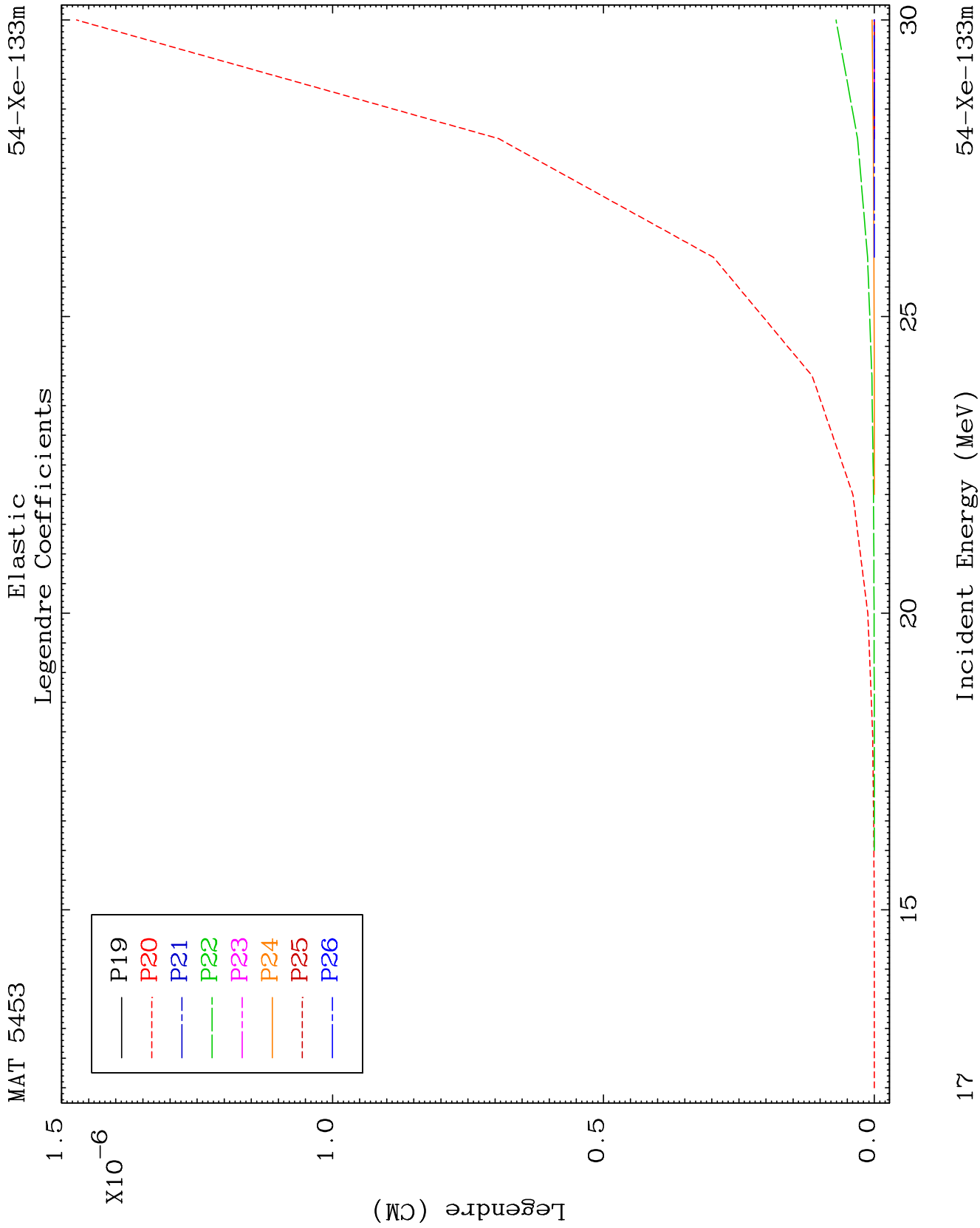
Incident Energy (MeV)

54-Xe-133m





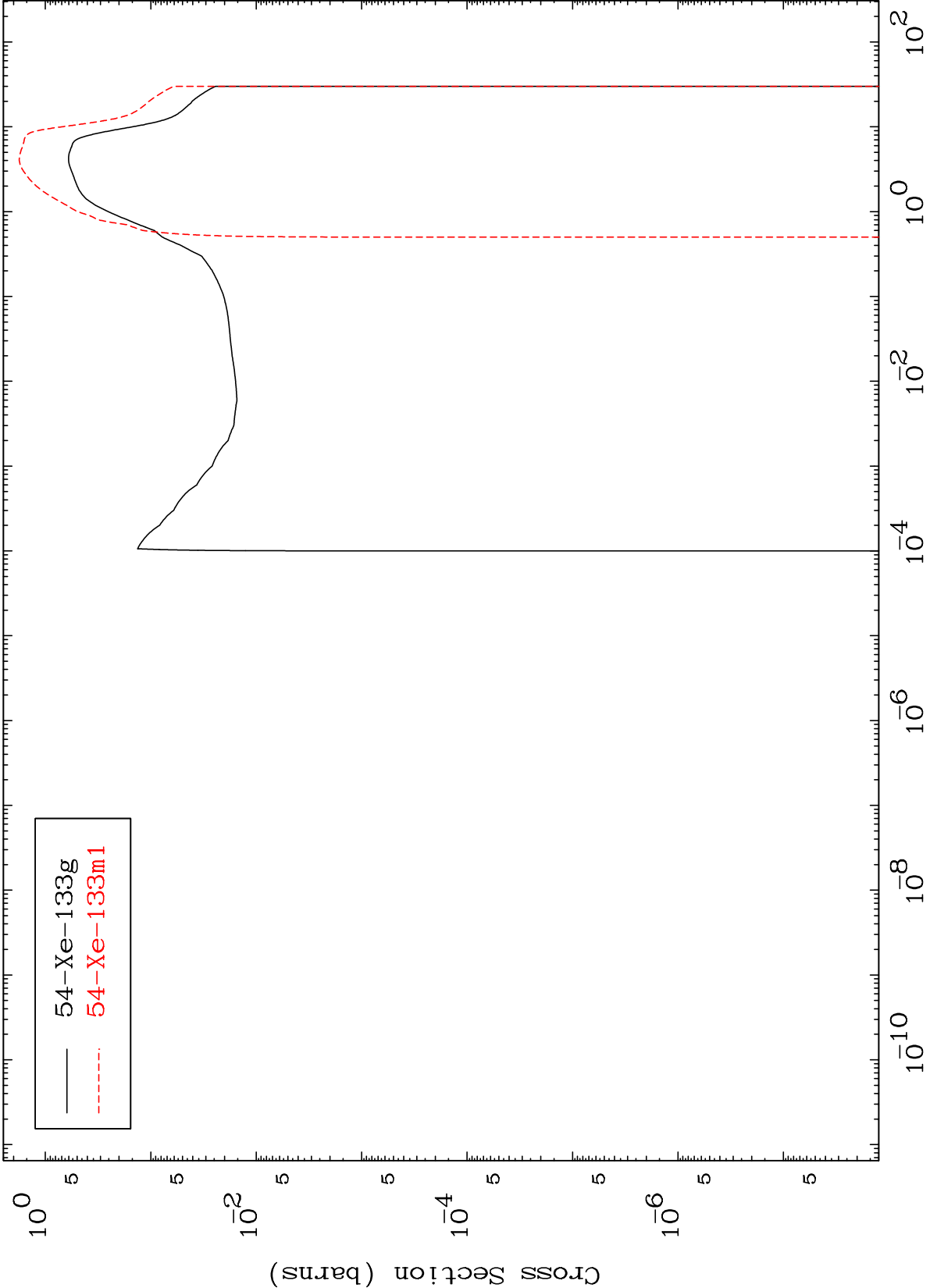


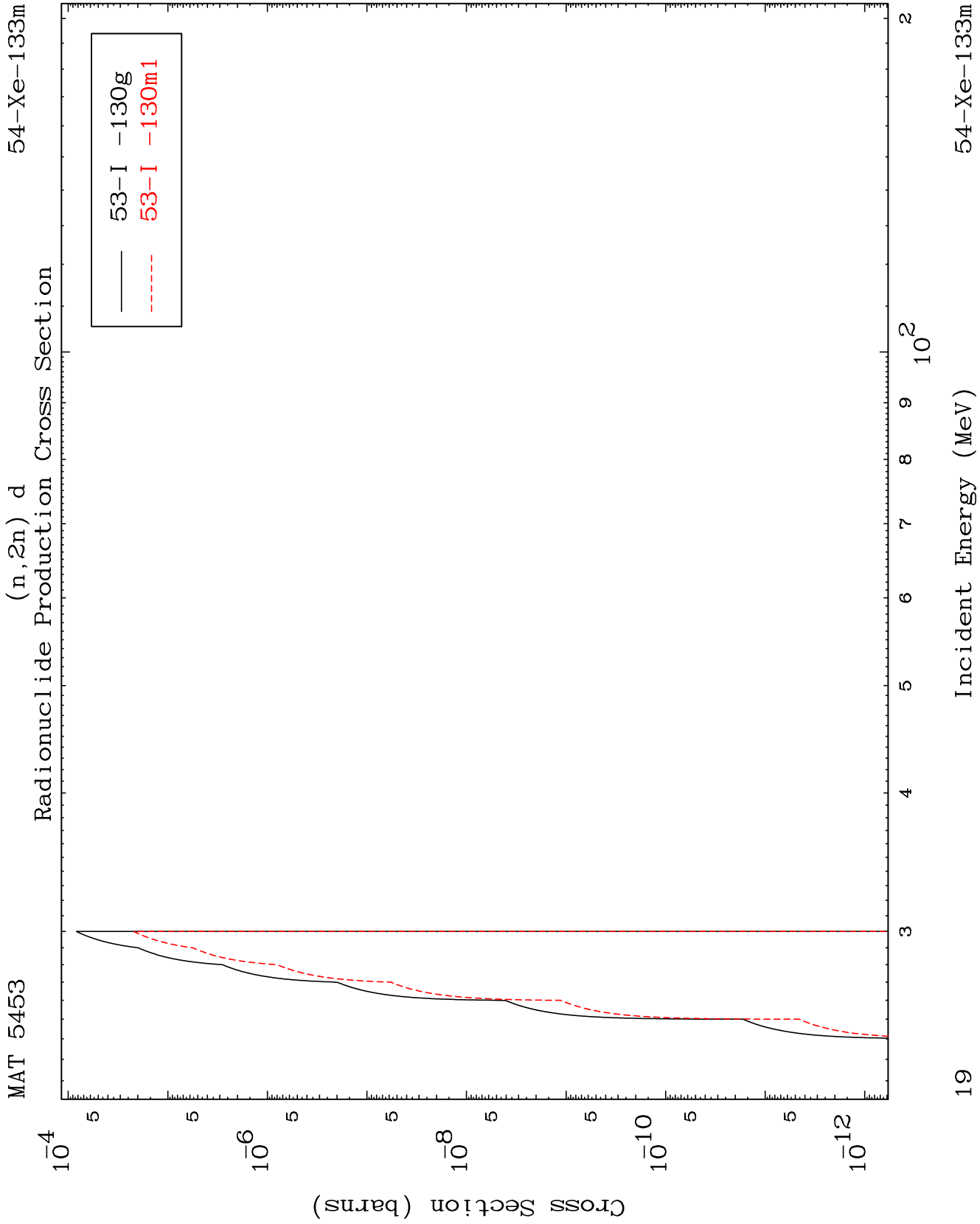


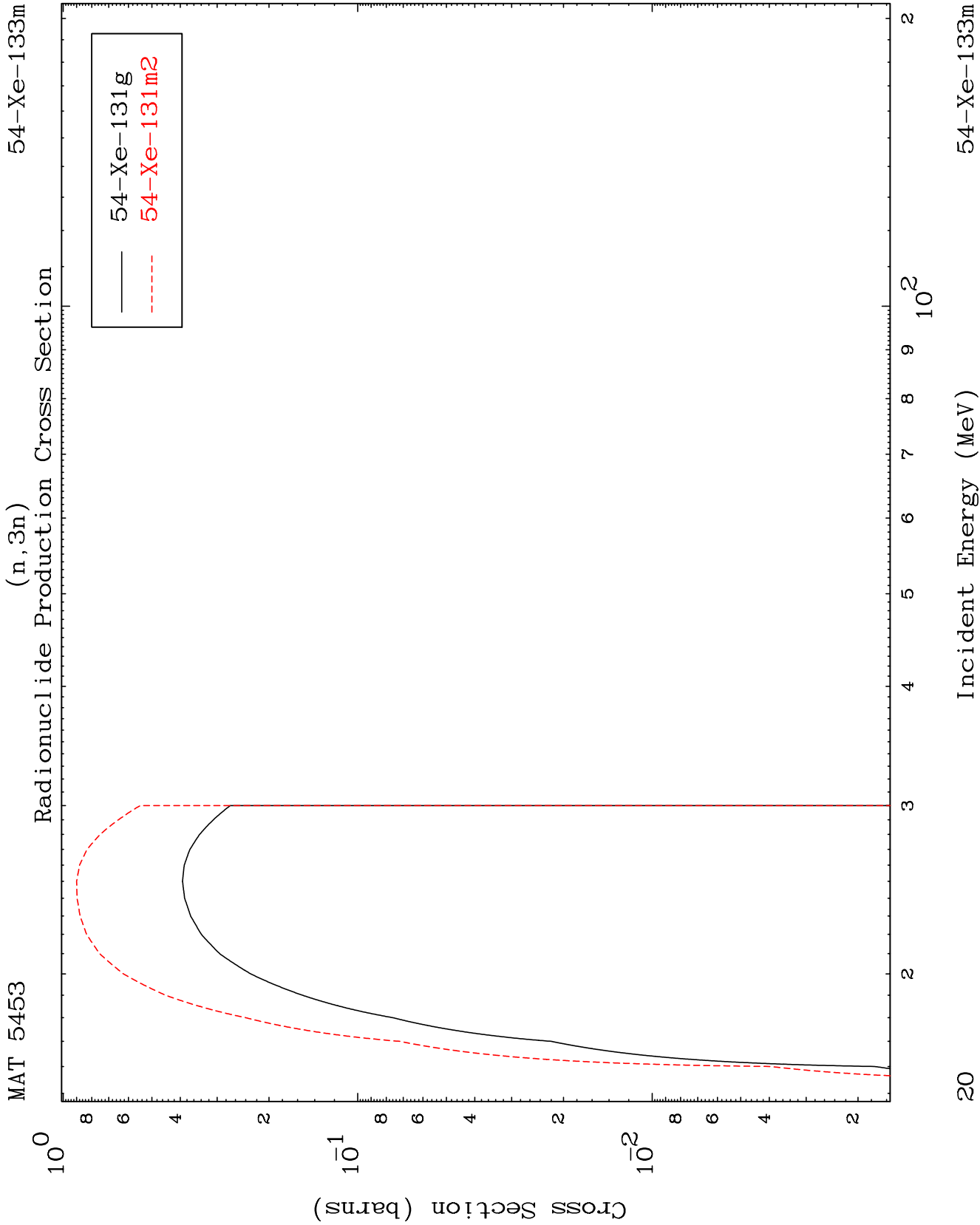
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54-Xe-133m

Inelastic
Radionuclide Production Cross Section

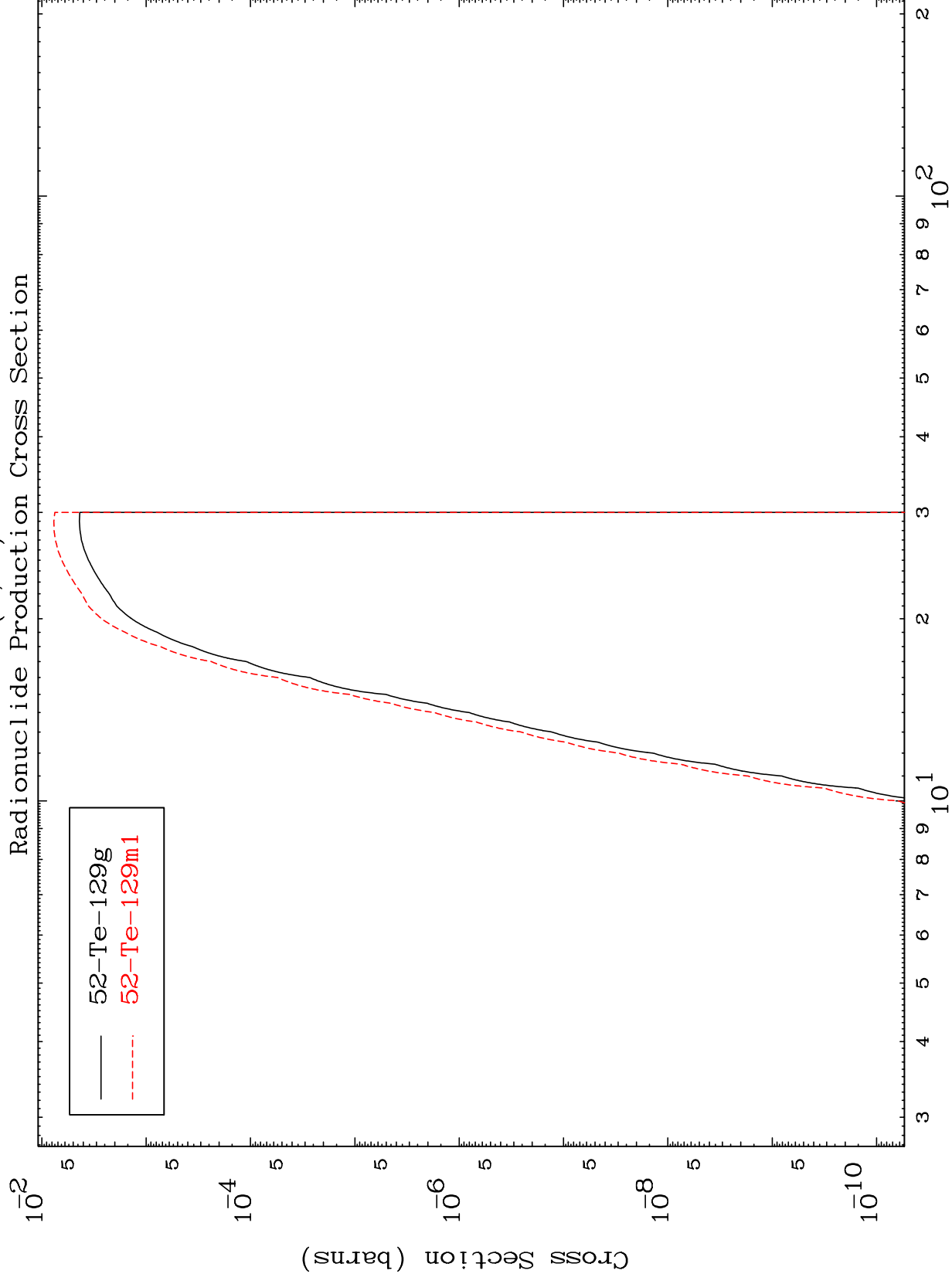






$$(n, n') \propto$$

Radionuclide Production Cross Section

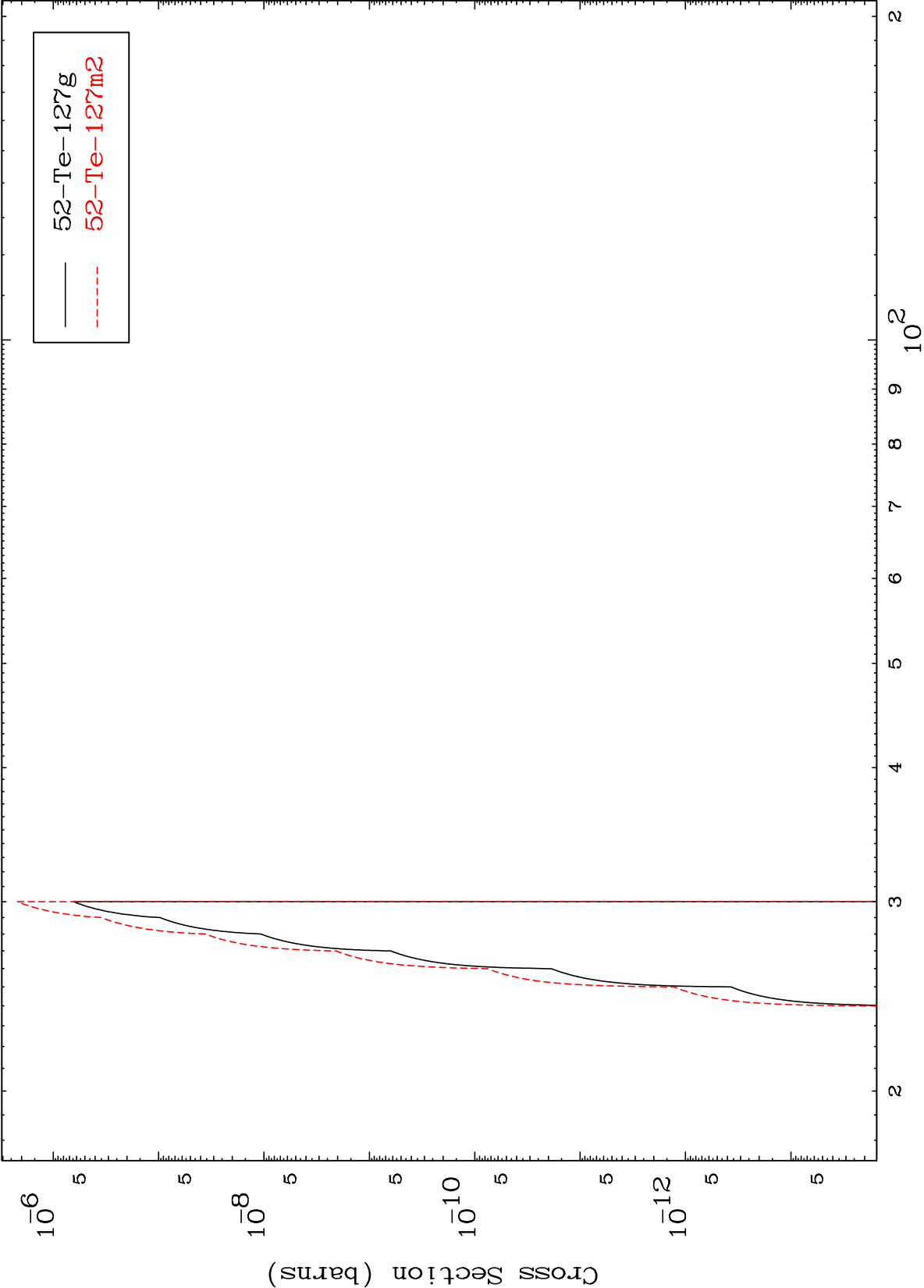


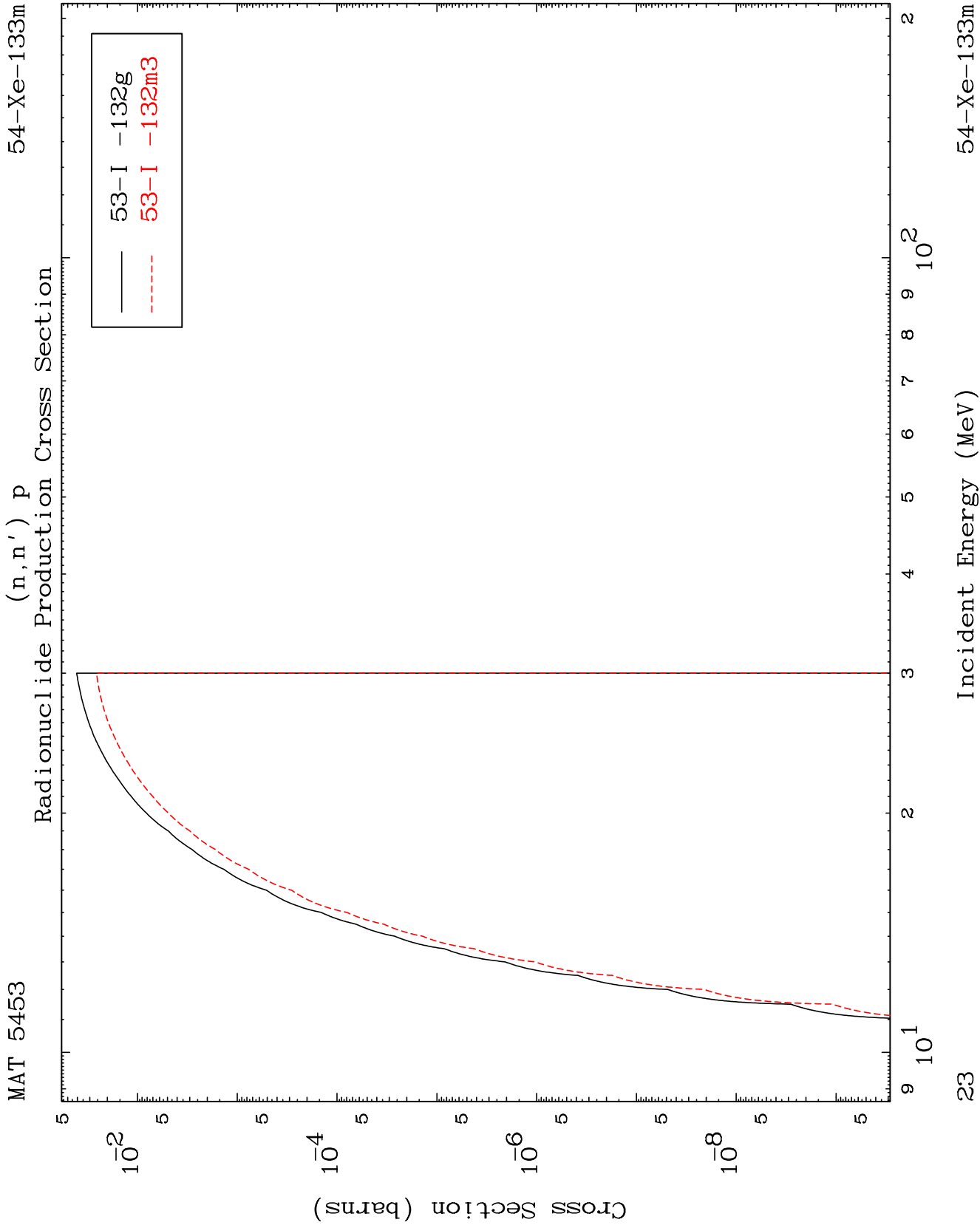
21

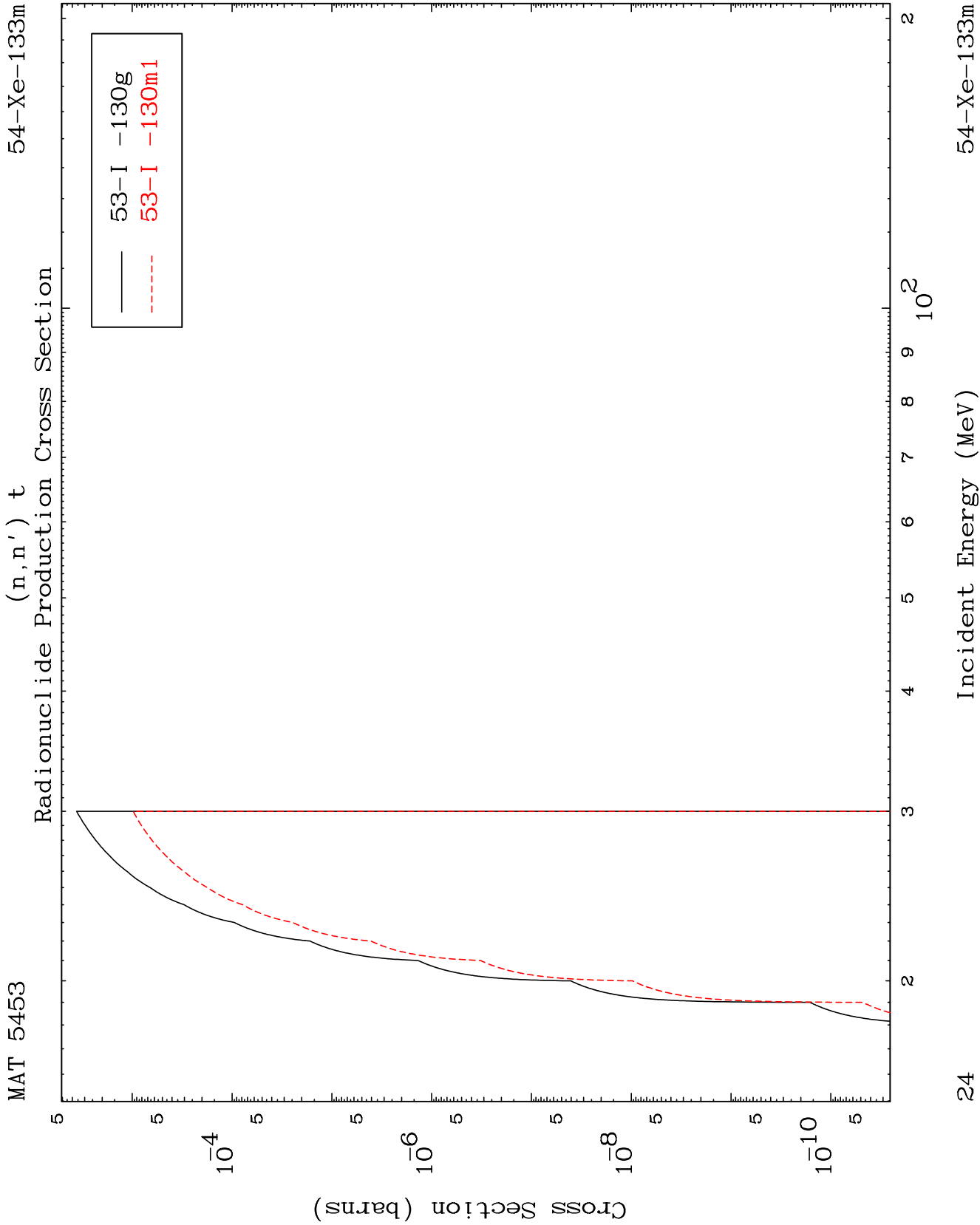
Incident Energy (MeV)

54-Xe-133m

(n,3n) α
Radionuclide Production Cross Section



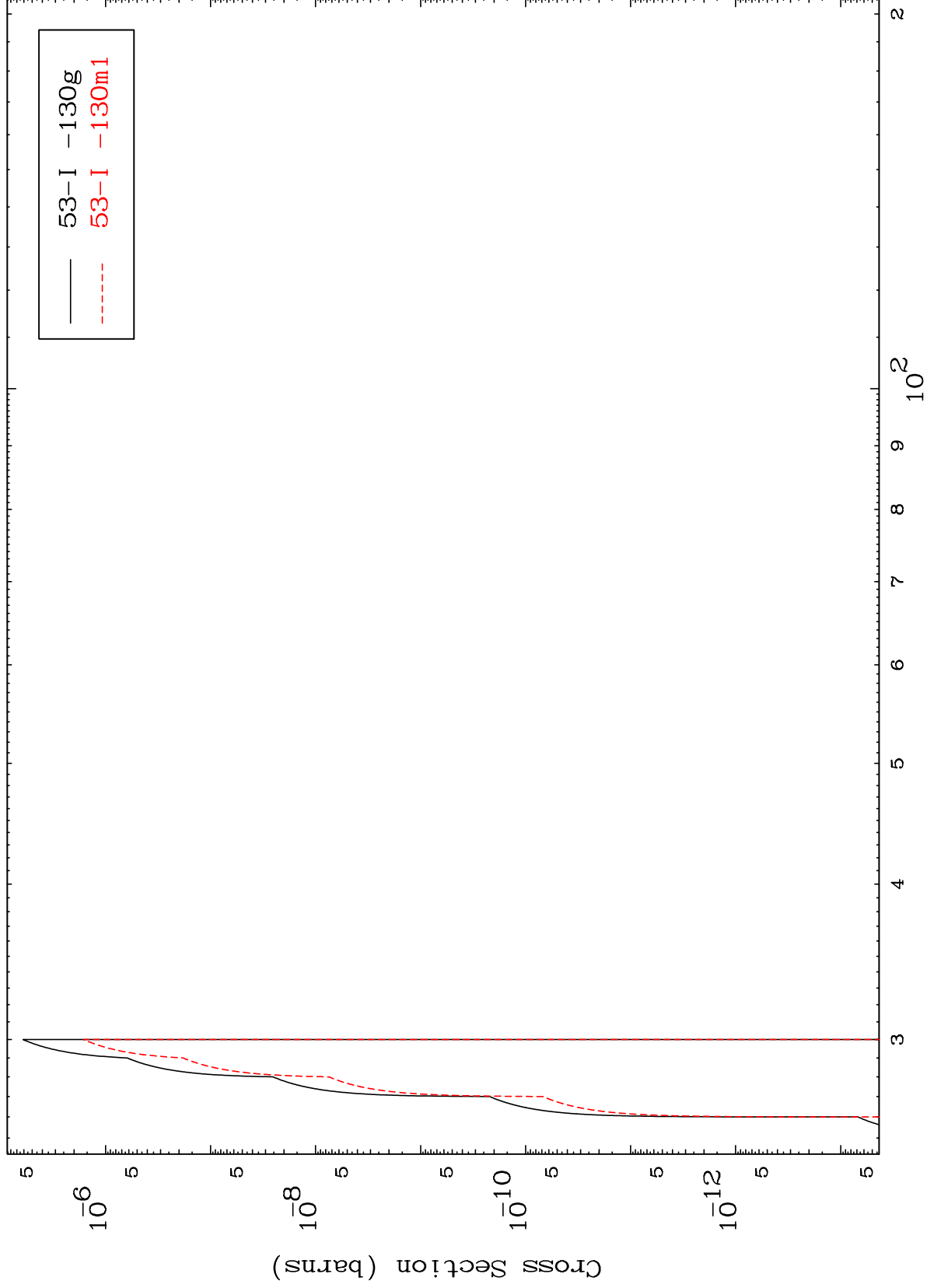




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54-Xe-133m

(n,3n) p
Radionuclide Production Cross Section

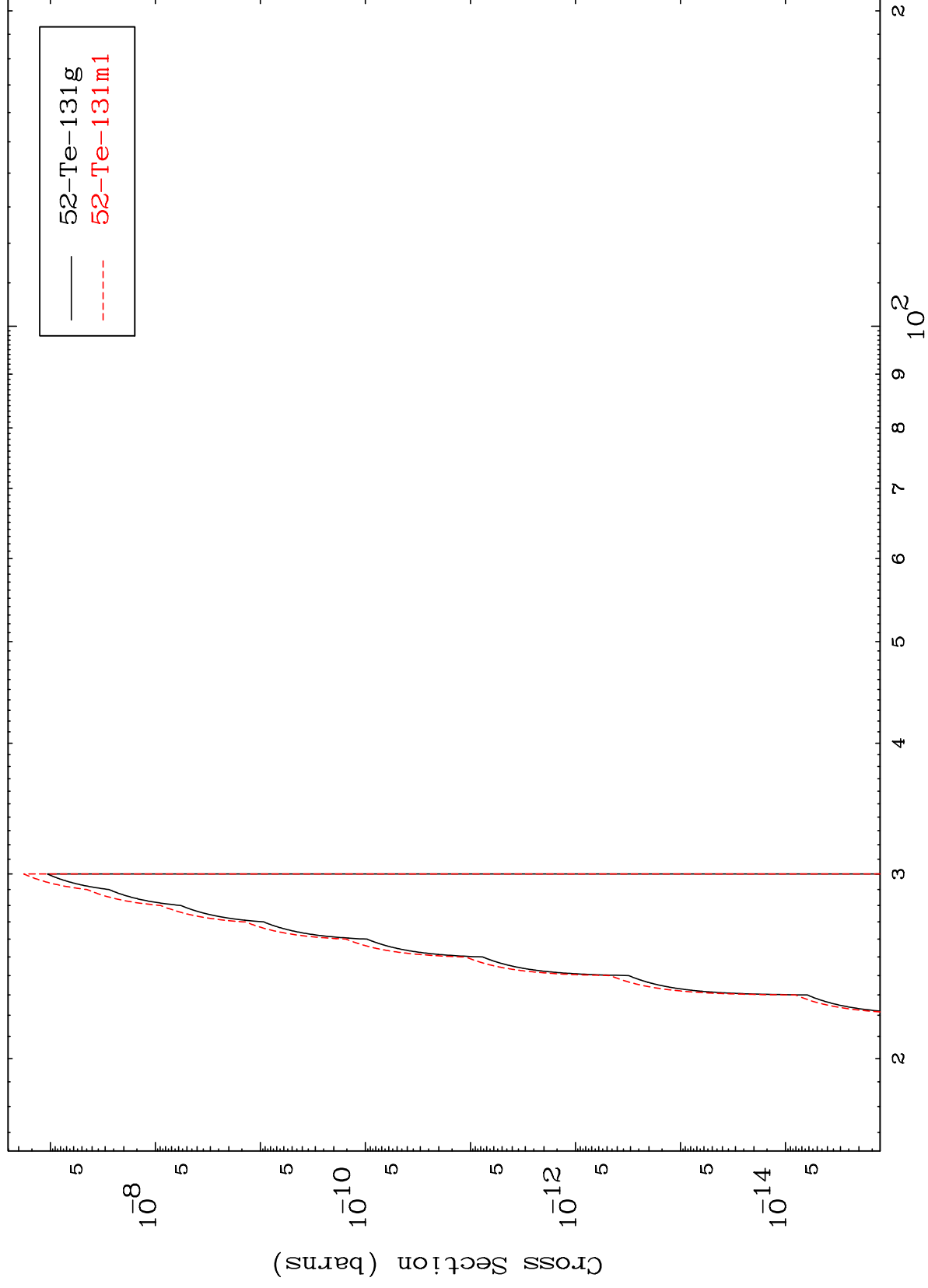


54-Xe-133m

Incident Energy (MeV)

25

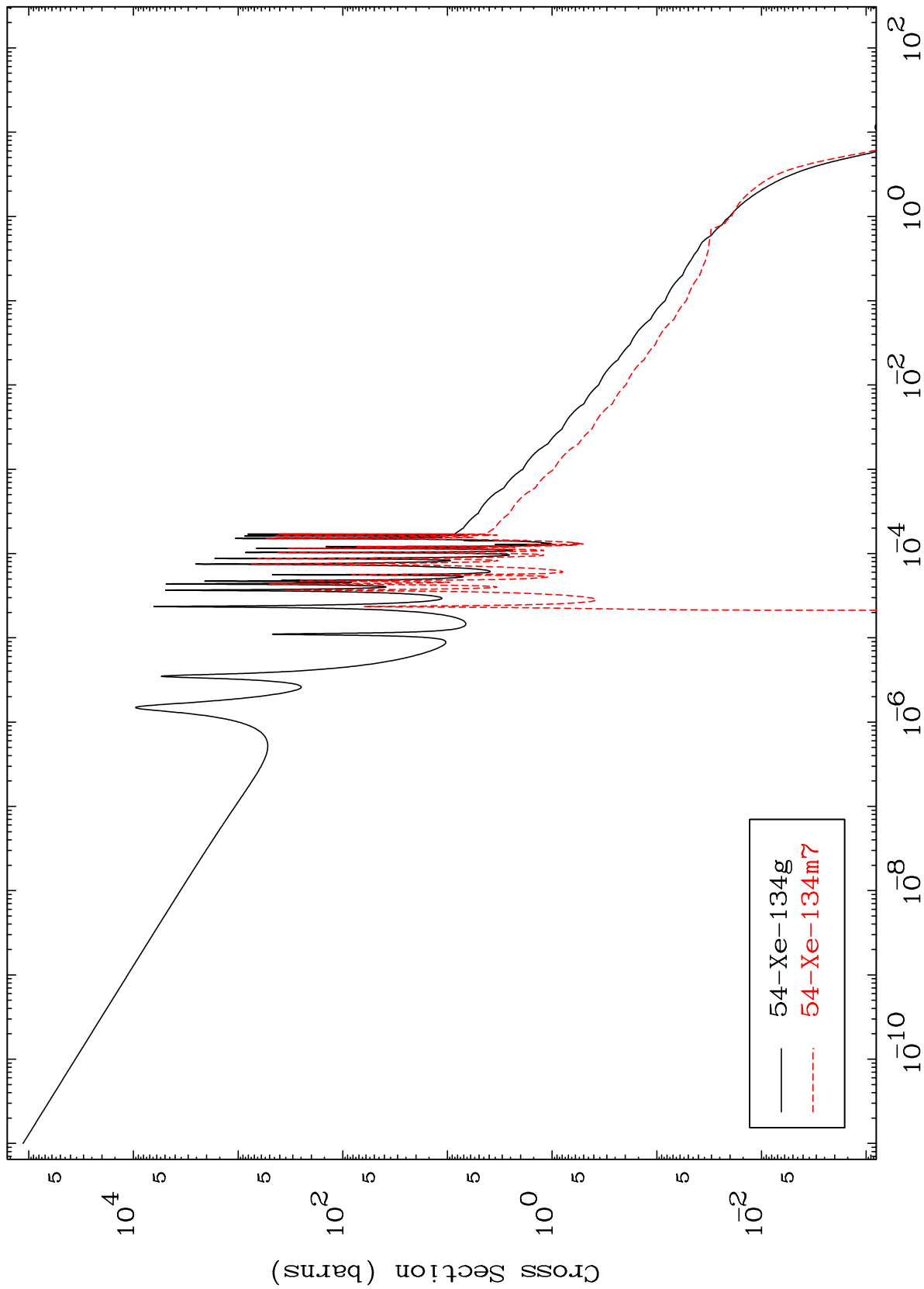
(n,2n) p
Radionuclide Production Cross Section



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54-Xe-133m

(n,γ)
Radionuclide Production Cross Section



27

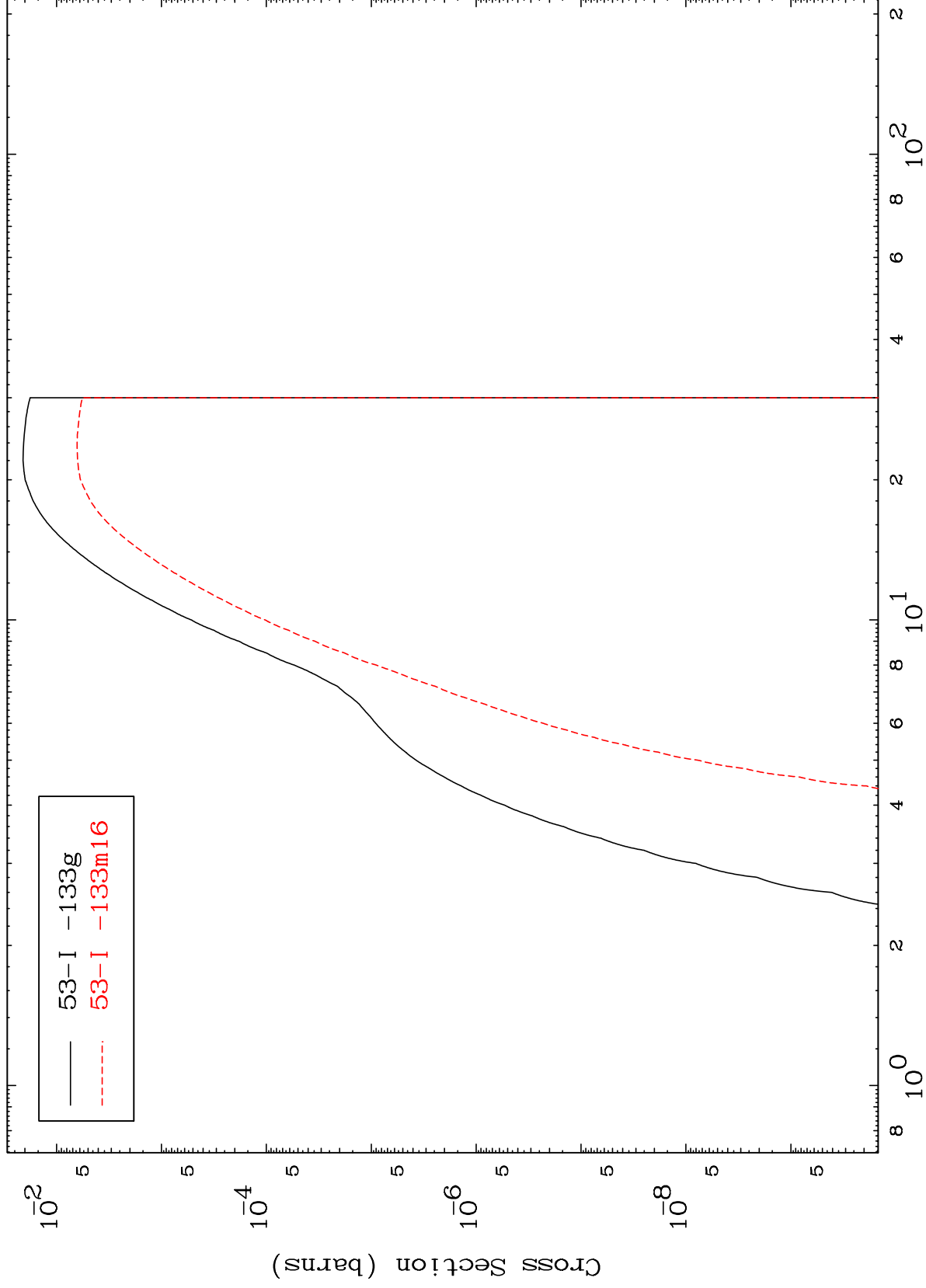
Incident Energy (MeV)

54-Xe-133m

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54-Xe-133m

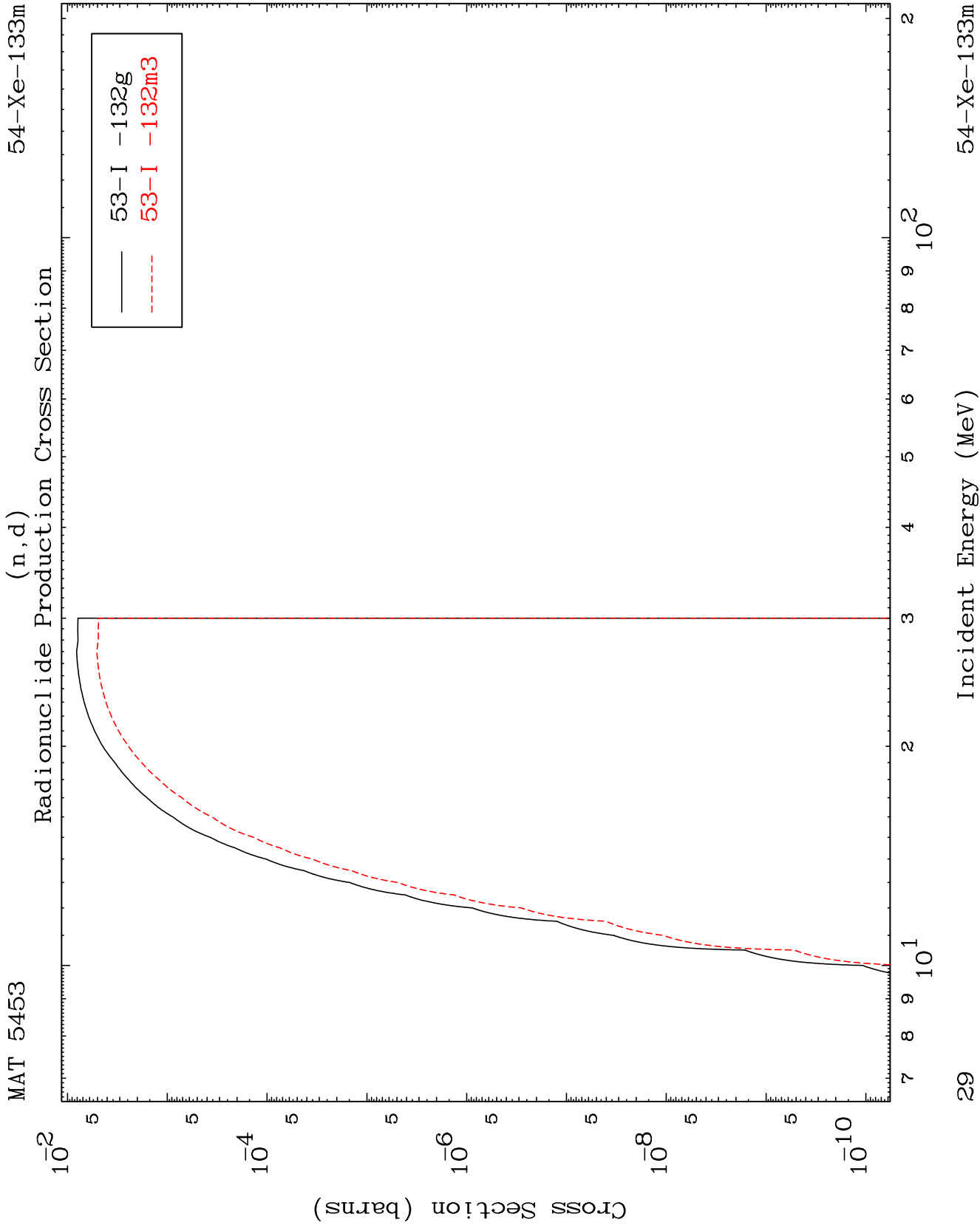
Radionuclide Production Cross Section (n,p)



Incident Energy (MeV)

54-Xe-133m

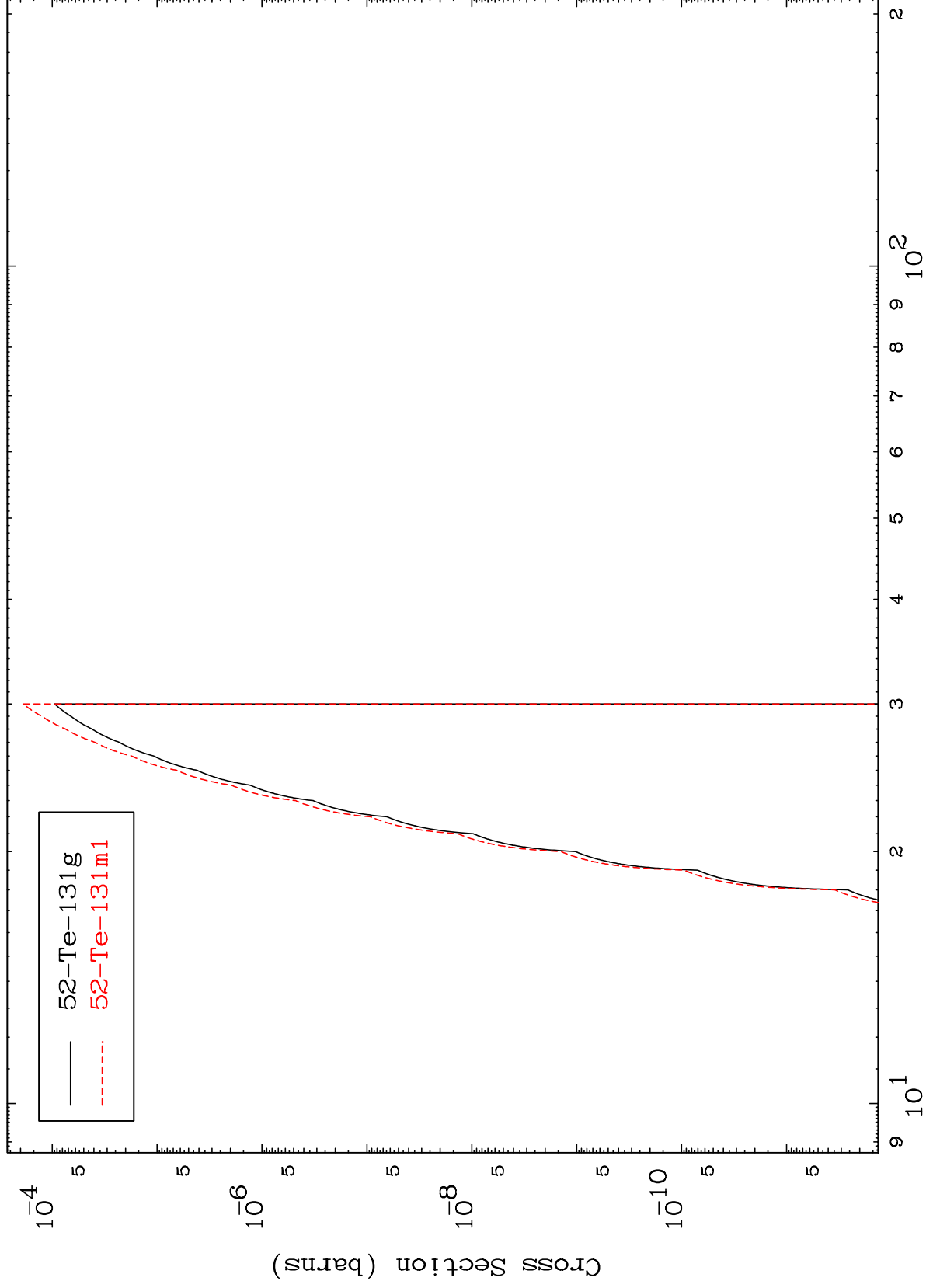
28



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54-Xe-133m

Radionuclide Production Cross Section



54-Xe-133m

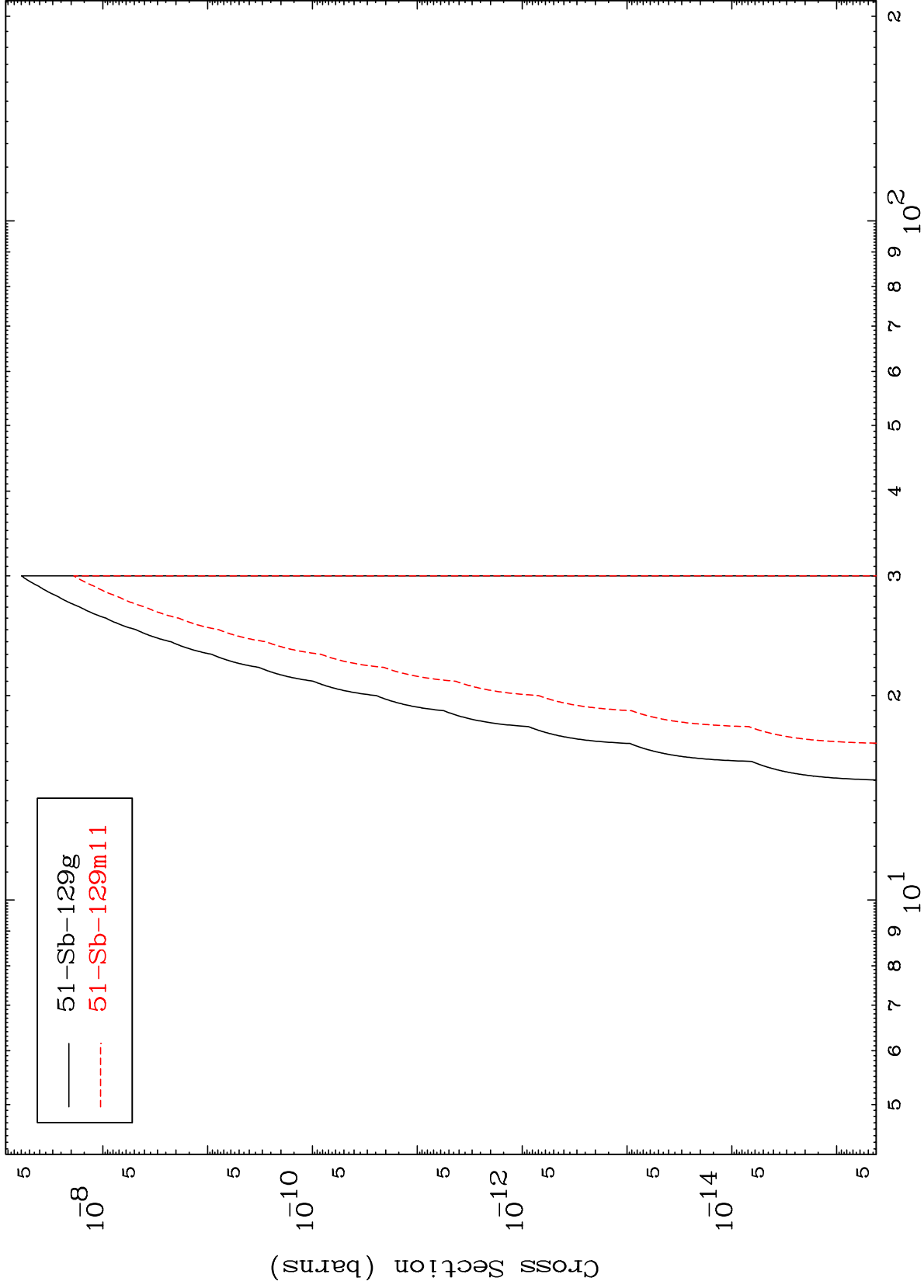
Incident Energy (MeV)

30

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54-Xe-133m

(n,p) α
Radionuclide Production Cross Section



31

54-Xe-133m

