

Program EVALPLOT
(Version 2021-1)

by

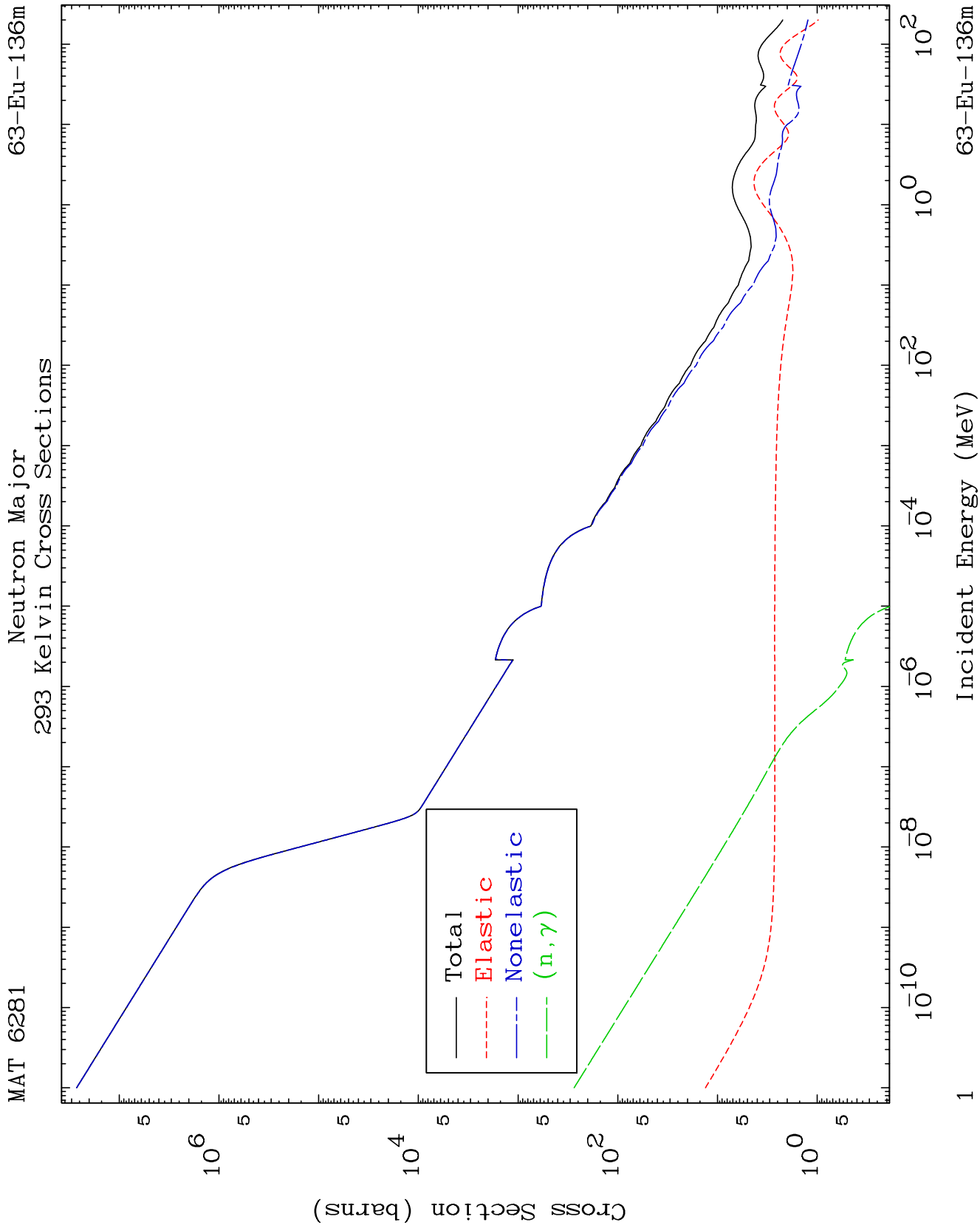
Dermott E. Cullen
(Present Contact Information)

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E.Mail: redcullen1@comcast.net
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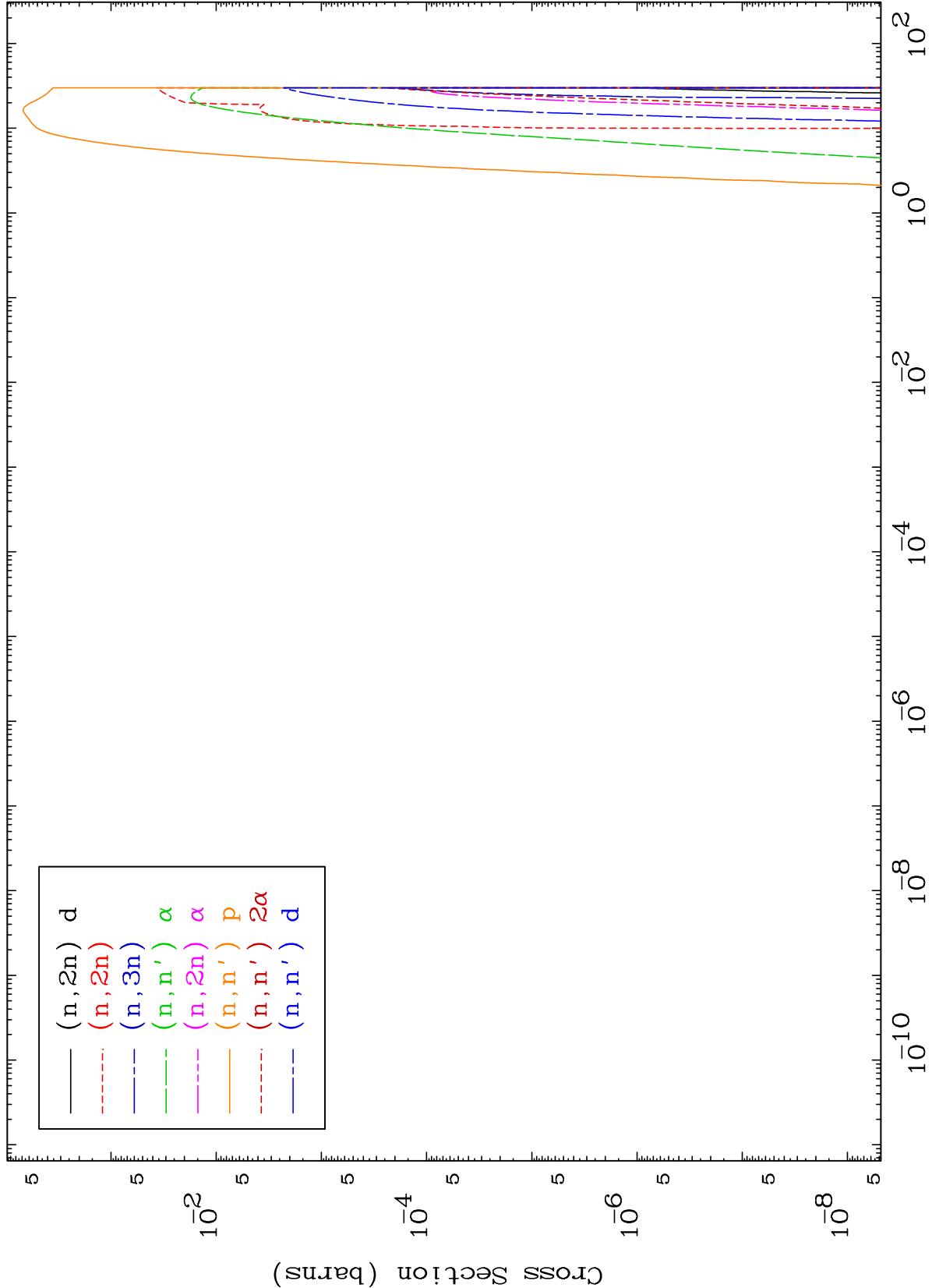
Press Mouse Button to Start



MAT 6281

Neutron Absorption
293 Kelvin Cross Sections

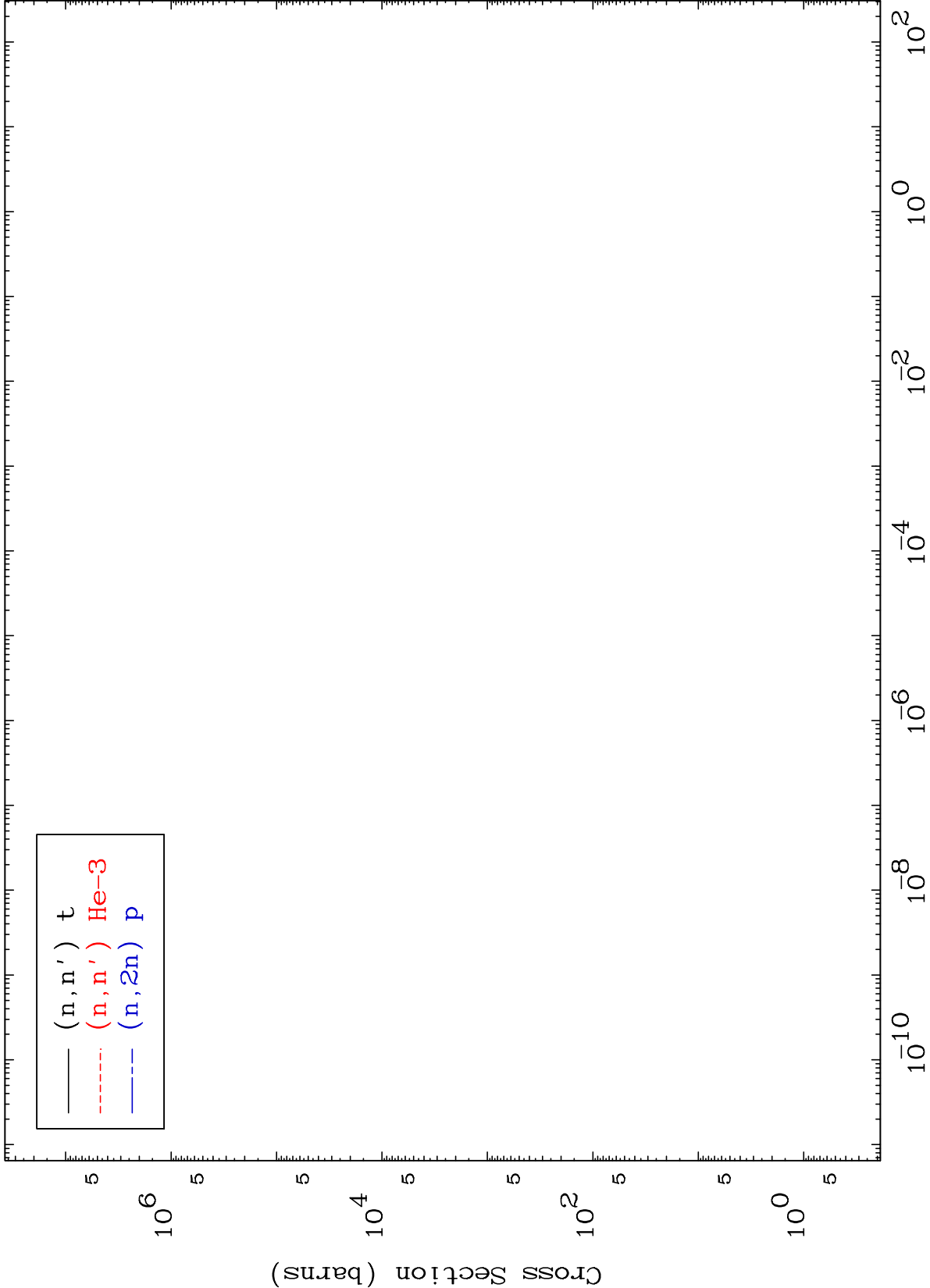
63-Eu-136m

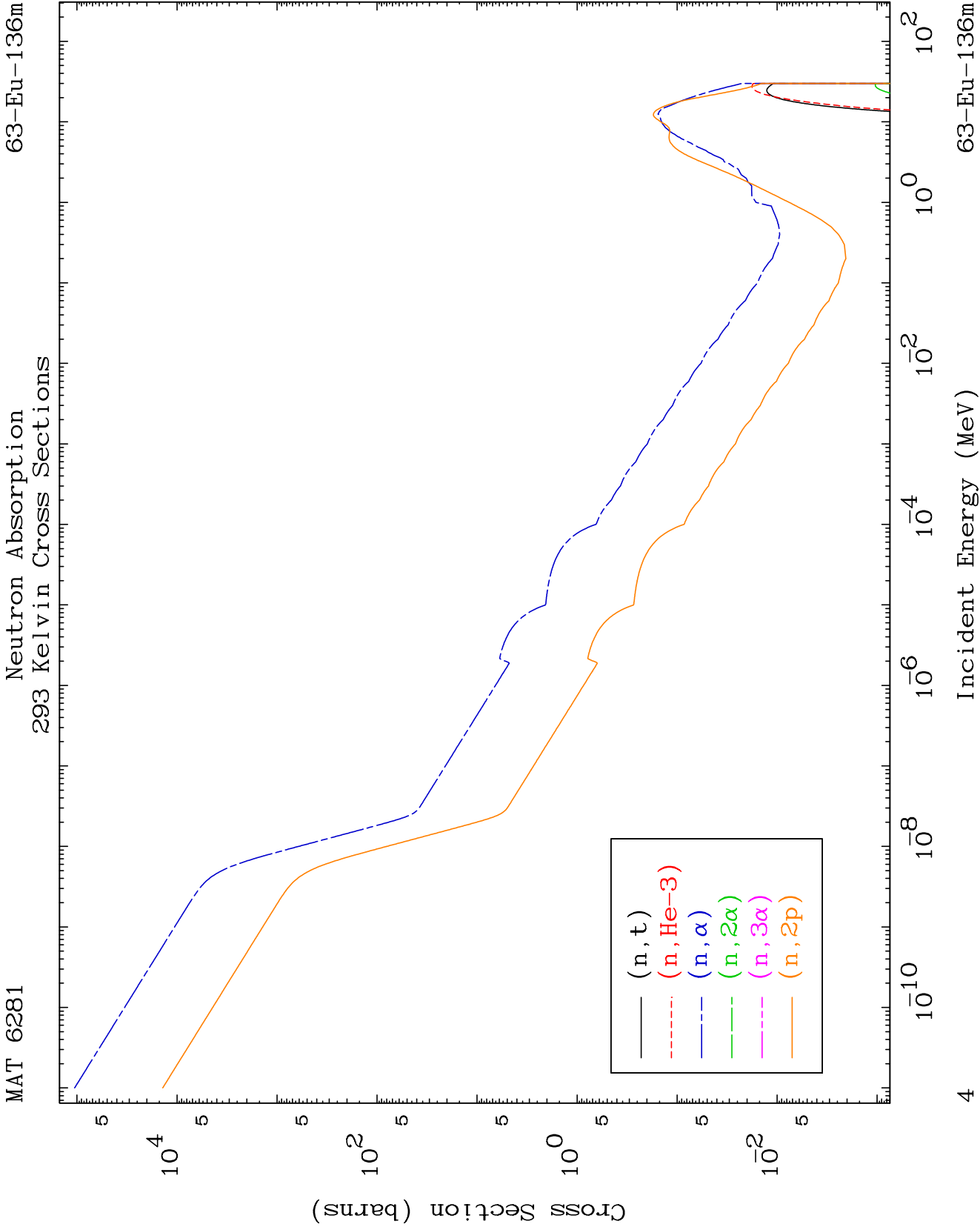


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Neutron Absorption
293 Kelvin Cross Sections

63-Eu-136m

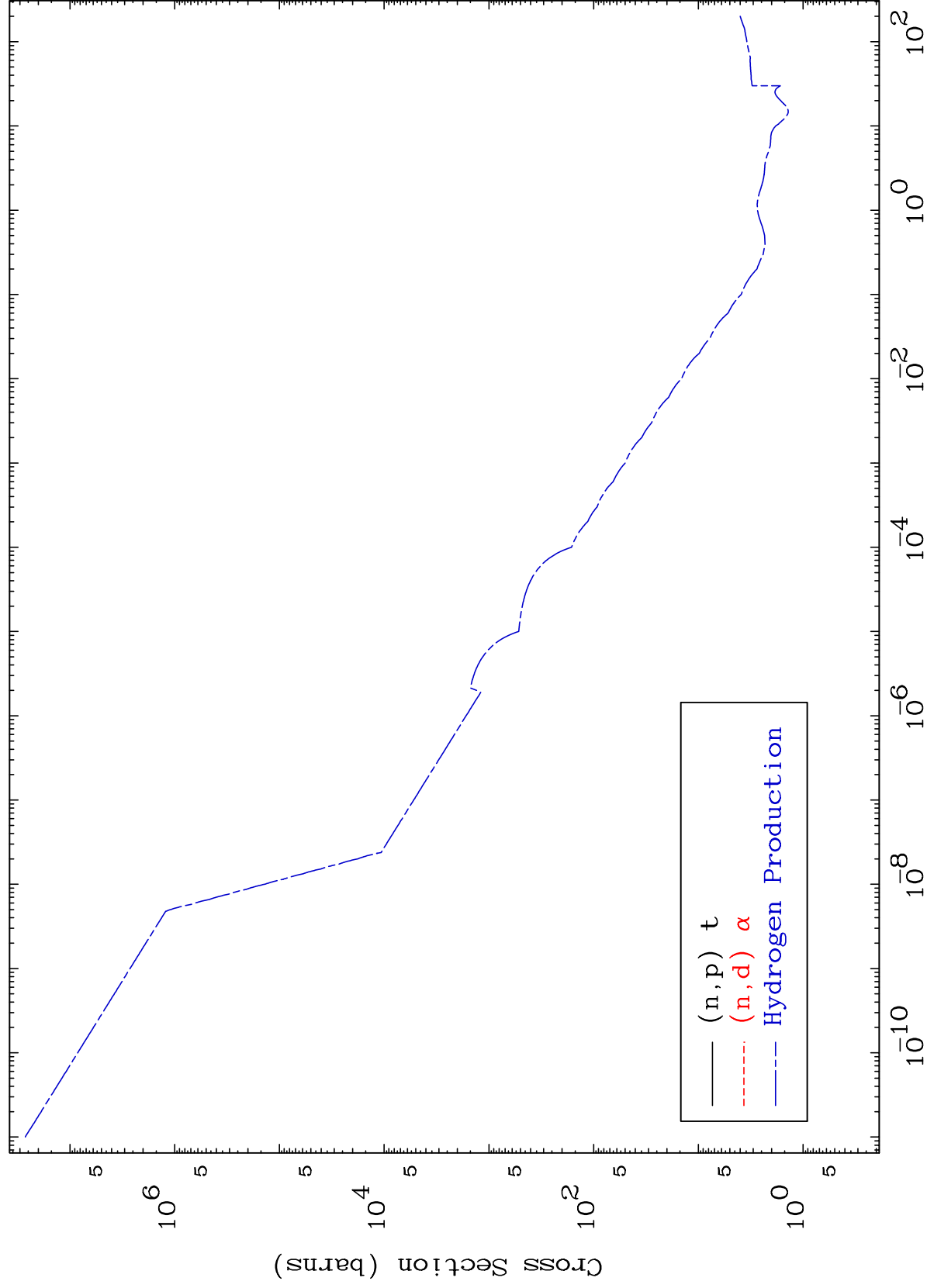




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Neutron Absorption
293 Kelvin Cross Sections

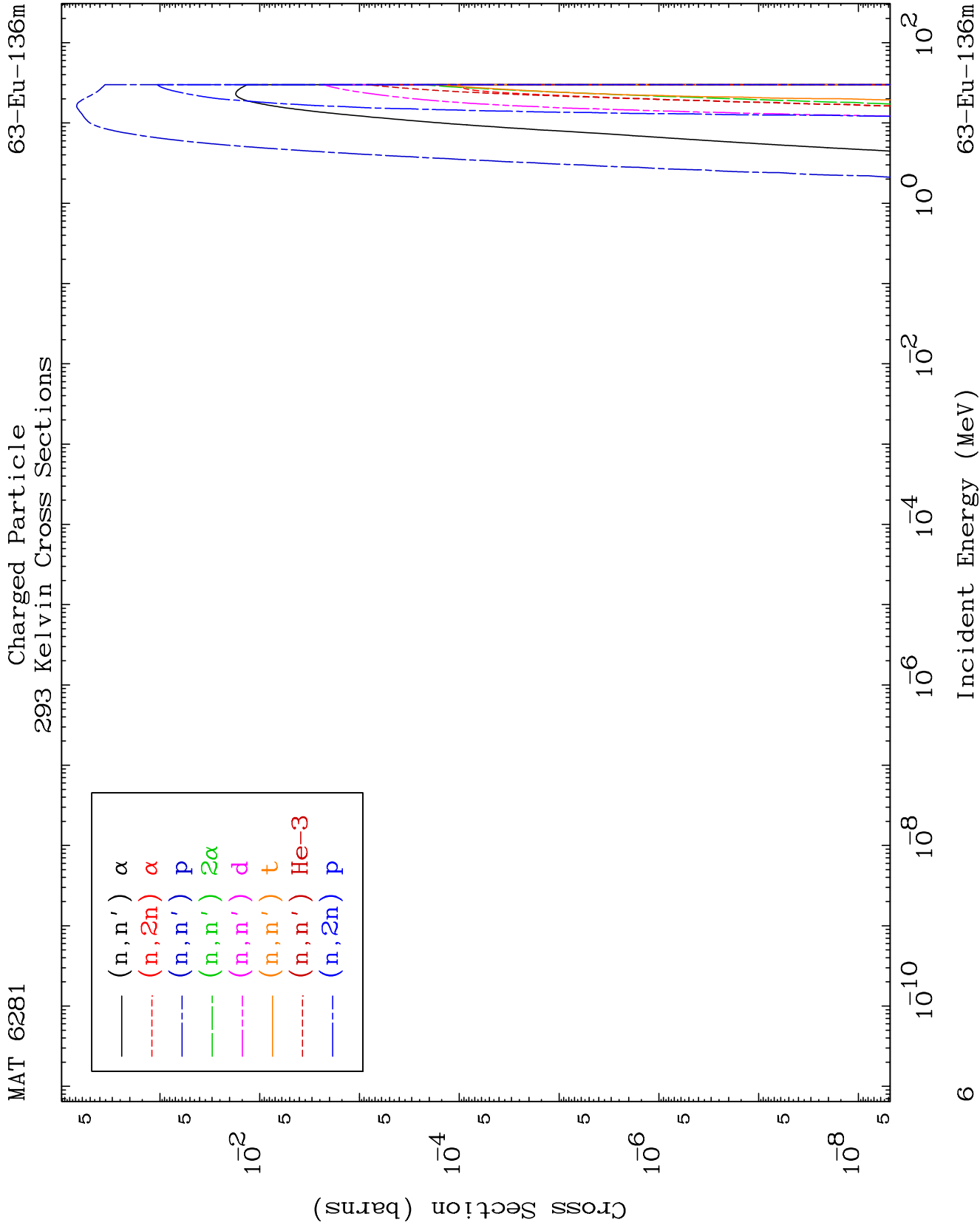
63-Eu-136m



5

Incident Energy (MeV)

63-Eu-136m

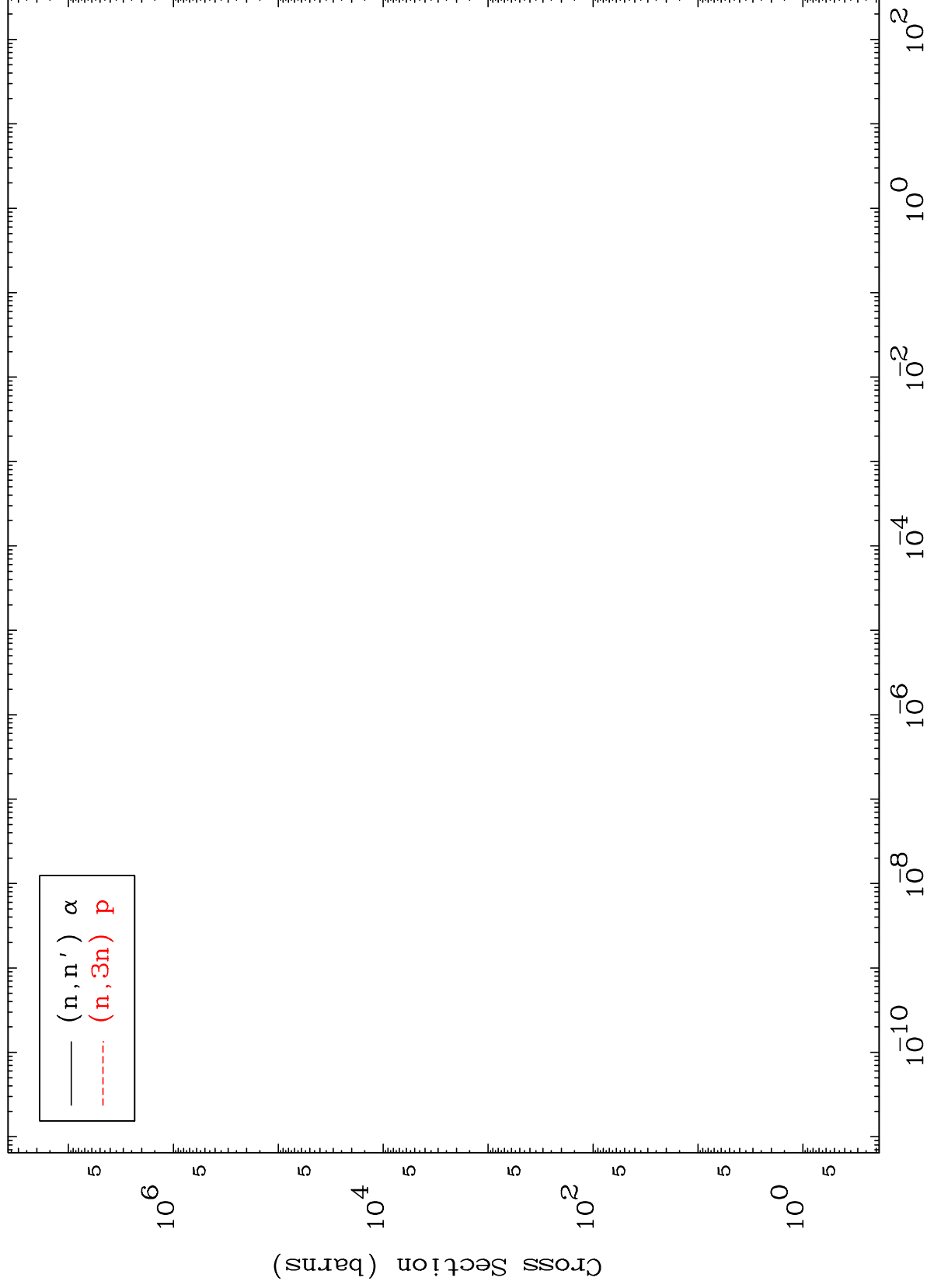


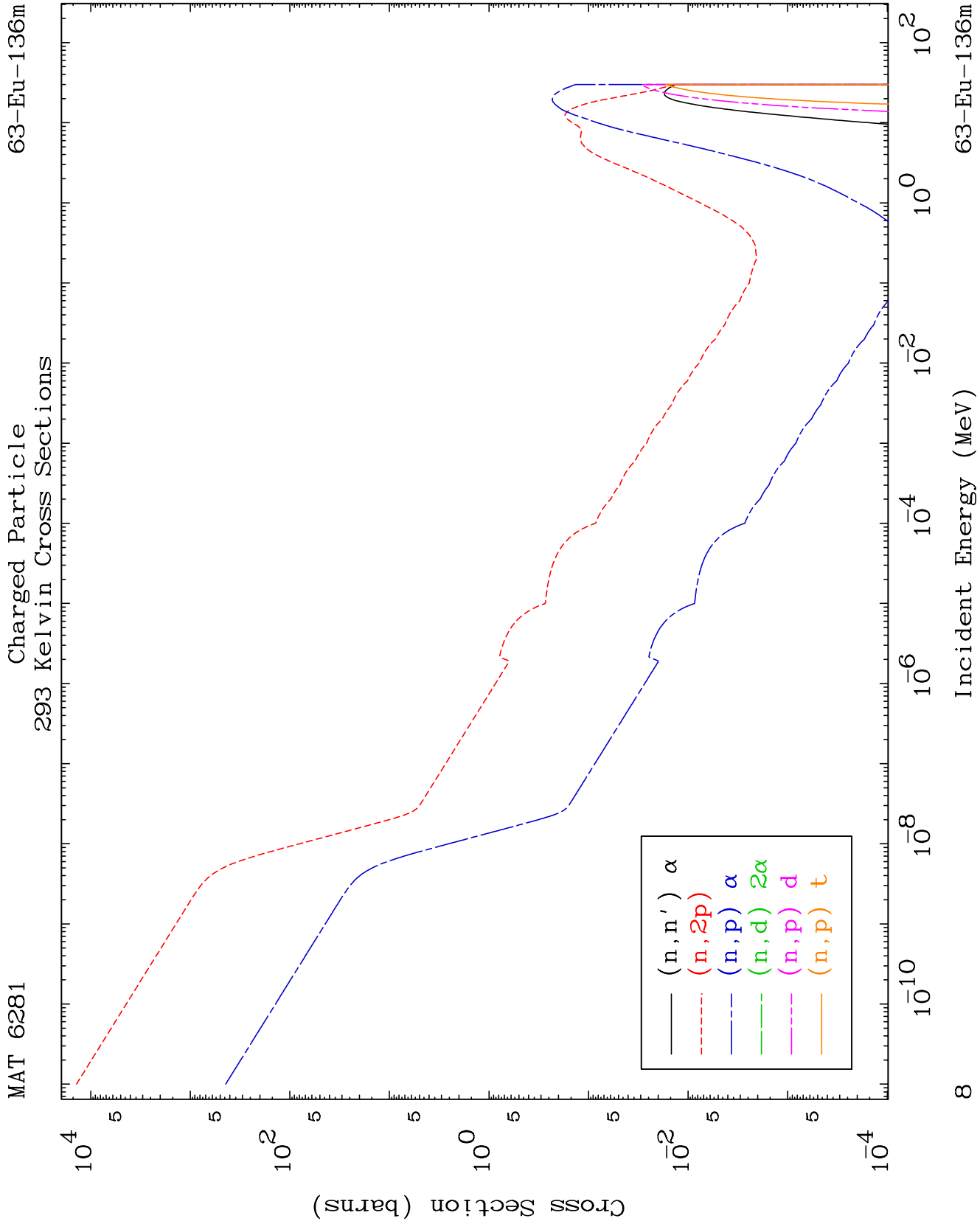
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Charged Particle

63-Eu-136m

293 Kelvin Cross Sections

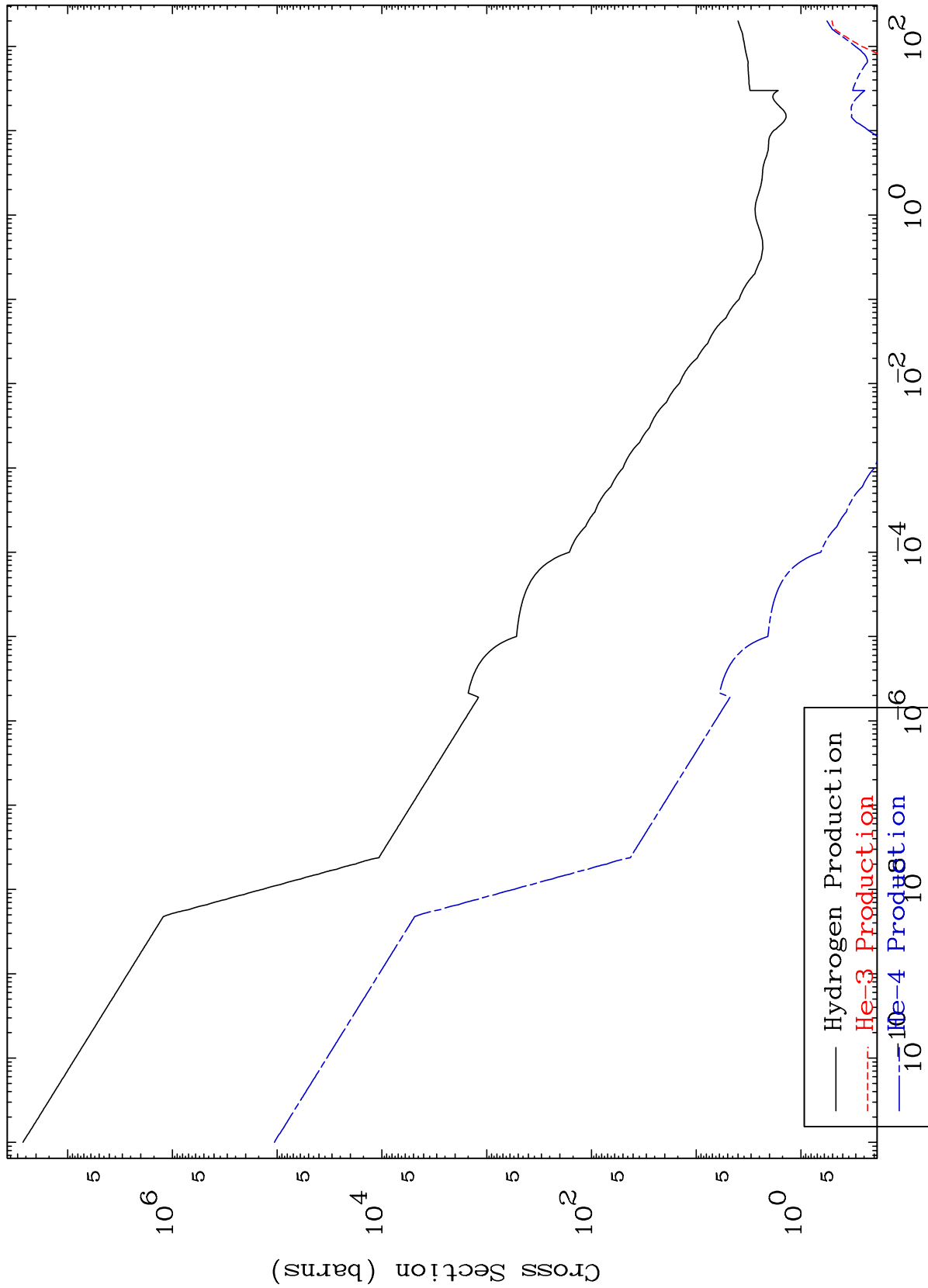


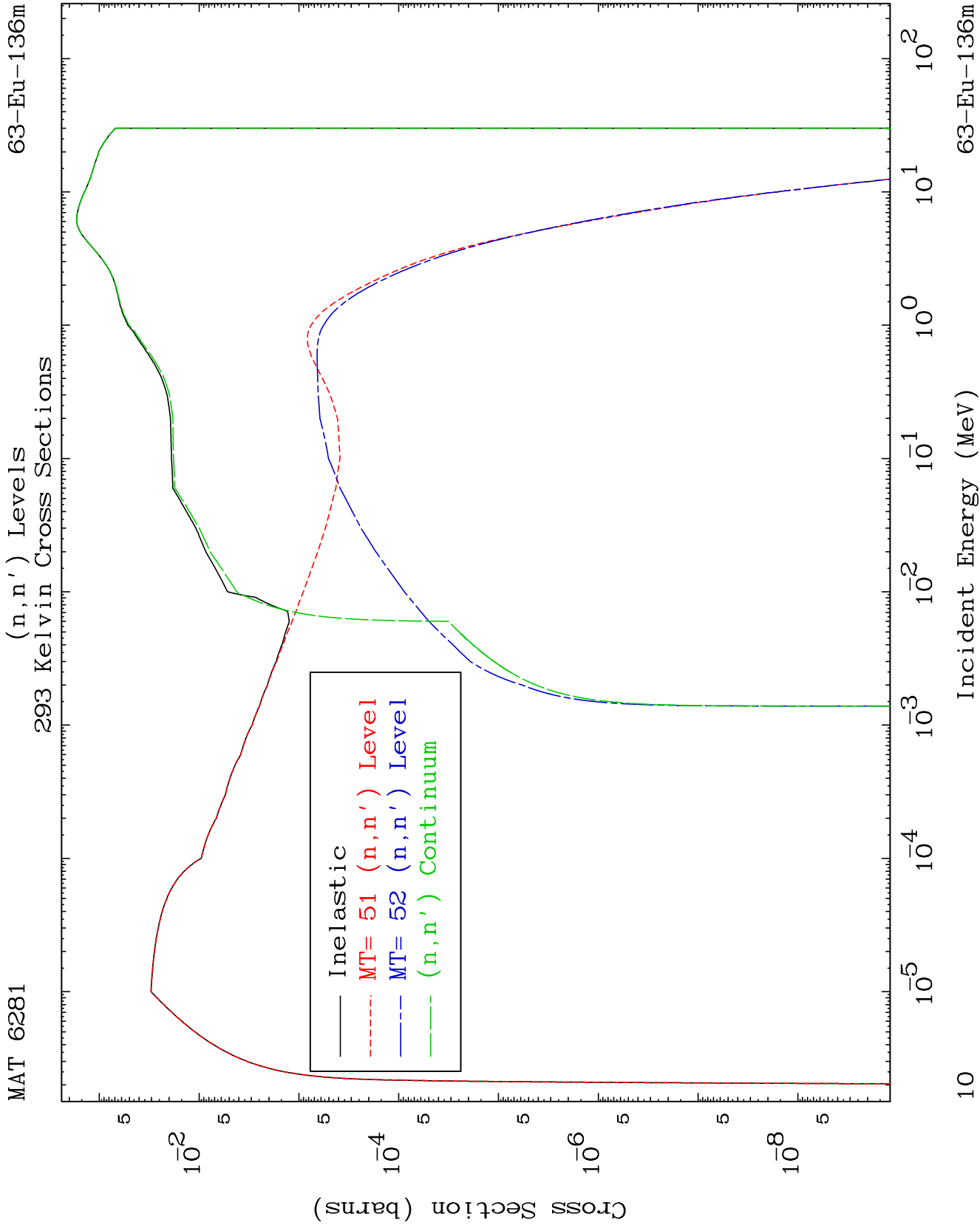


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Particle Production
293 Kelvin Cross Sections

63-Eu-136m

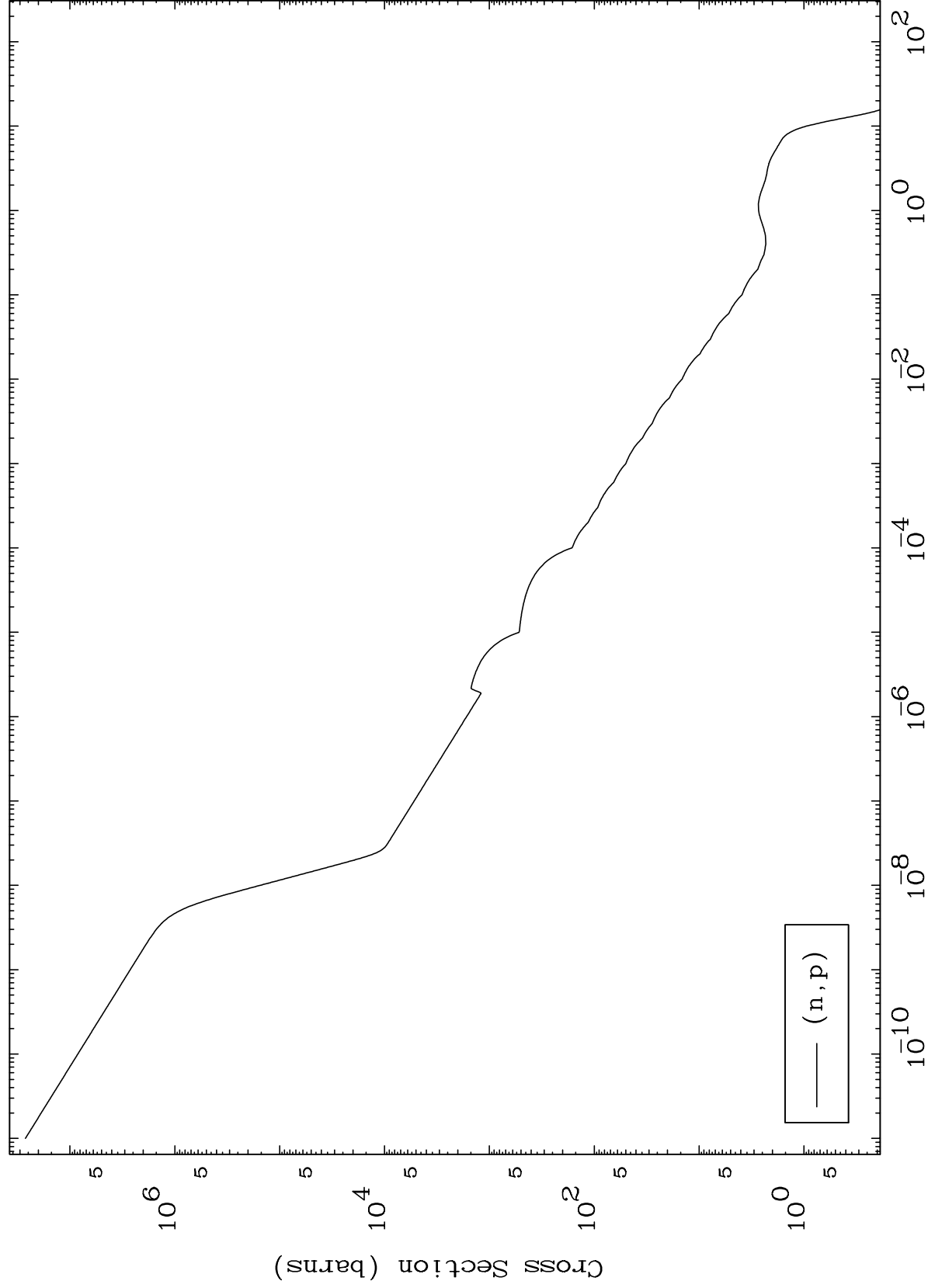




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(n,p) Levels
293 Kelvin Cross Sections

63-Eu-136m

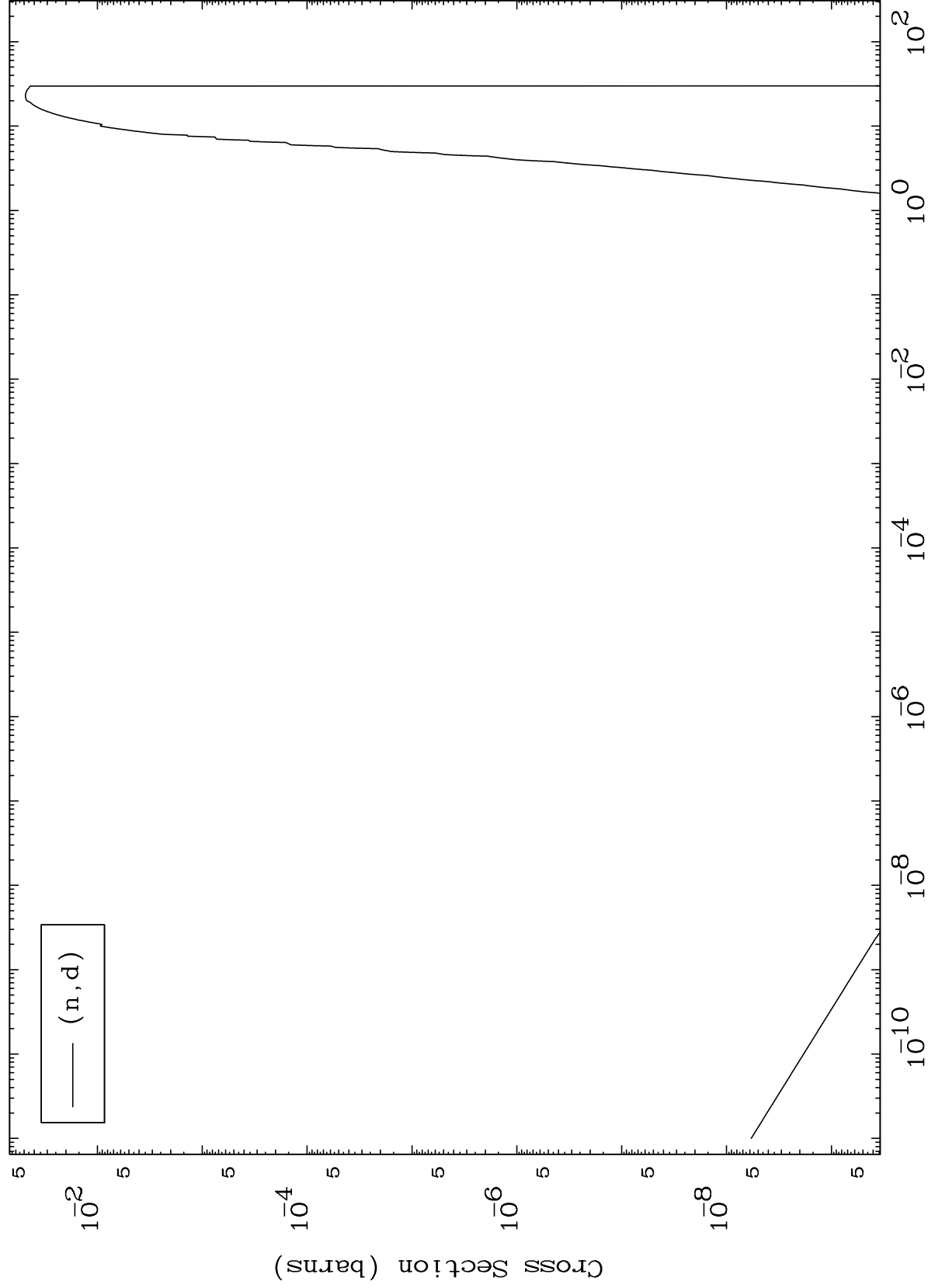


— (n,p)

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(n,d) Levels
293 Kelvin Cross Sections

63-Eu-136m



12

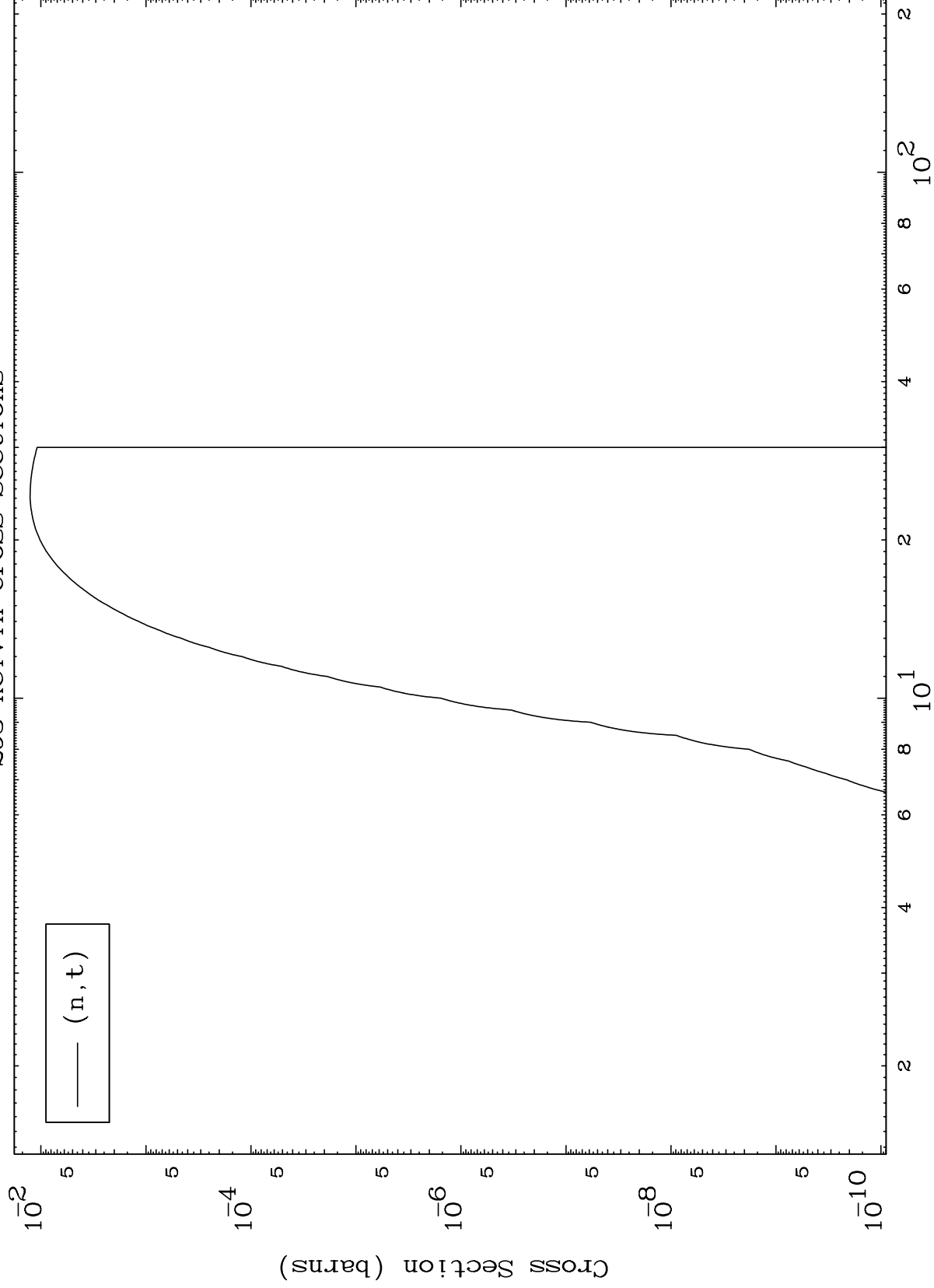
Incident Energy (MeV)

63-Eu-136m

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(n,t) Levels
293 Kelvin Cross Sections

63-Eu-136m



13

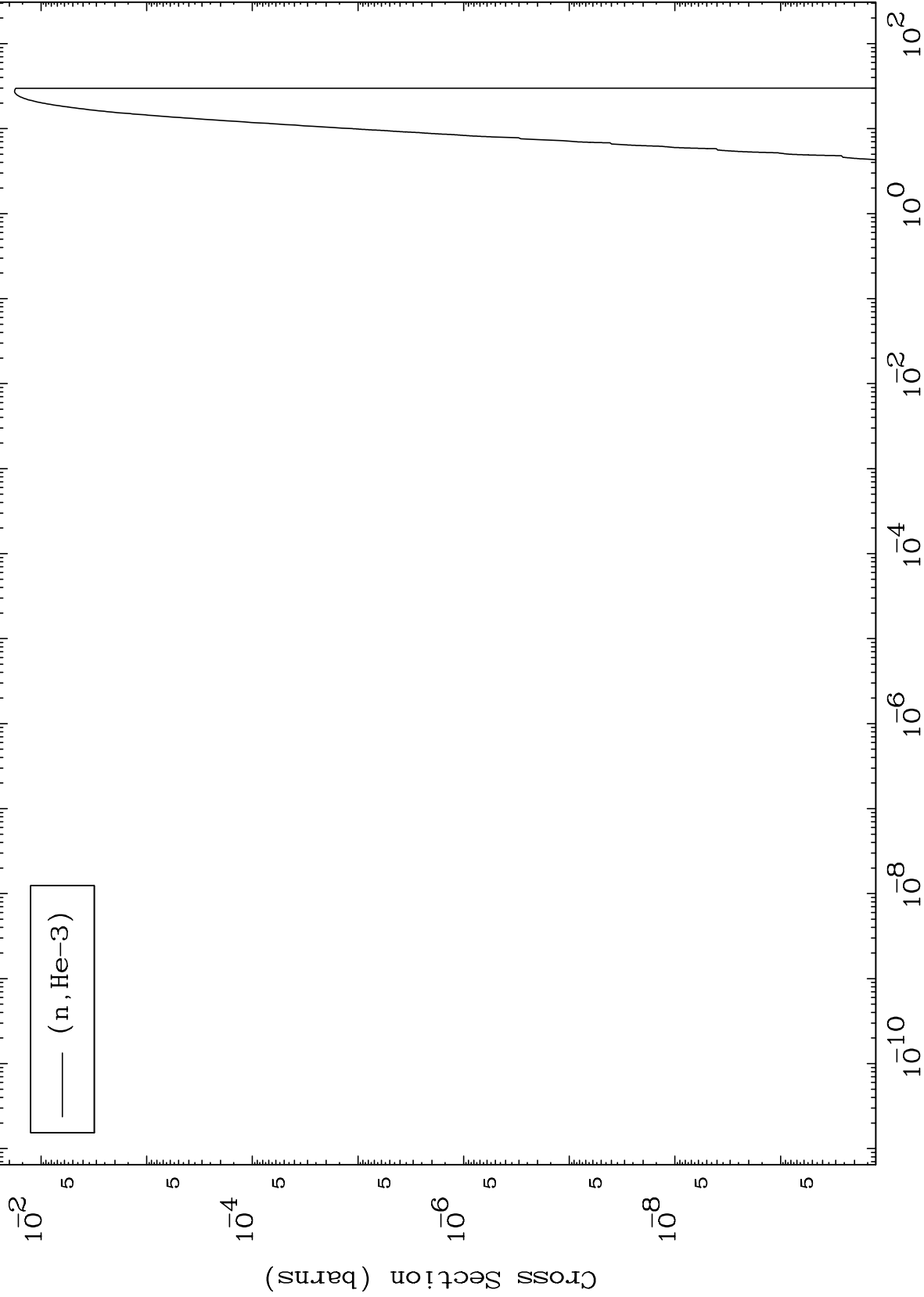
Incident Energy (MeV)

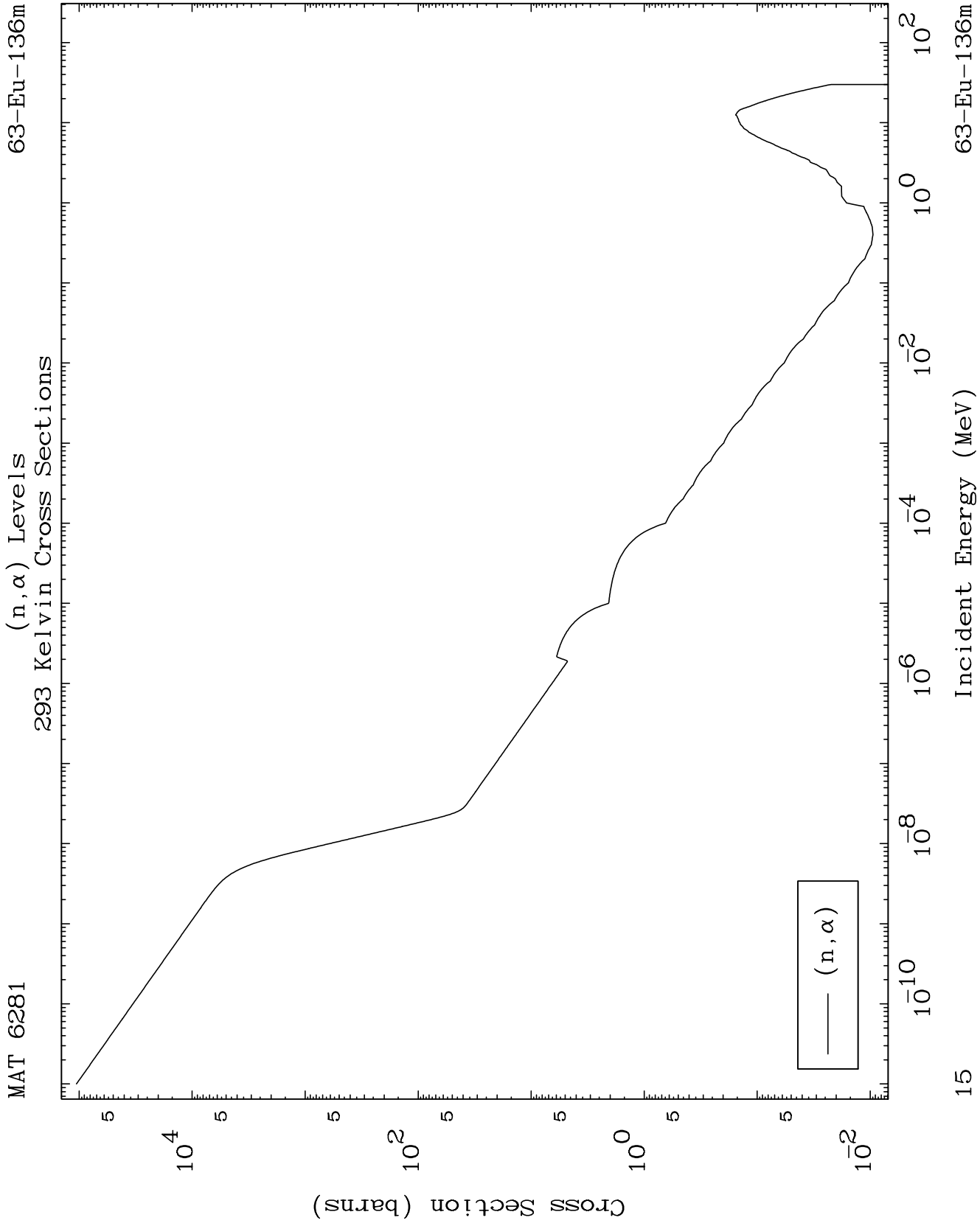
63-Eu-136m

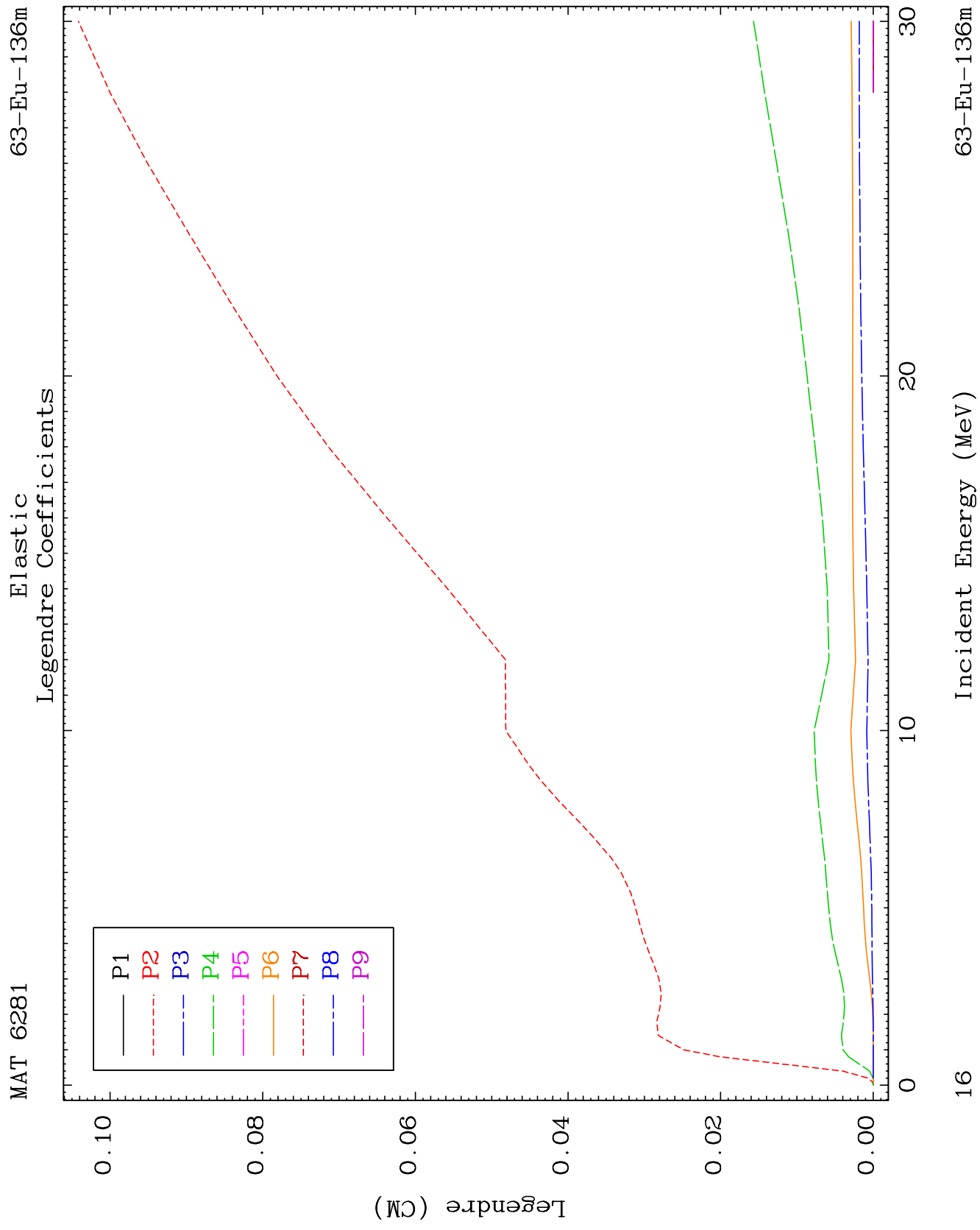
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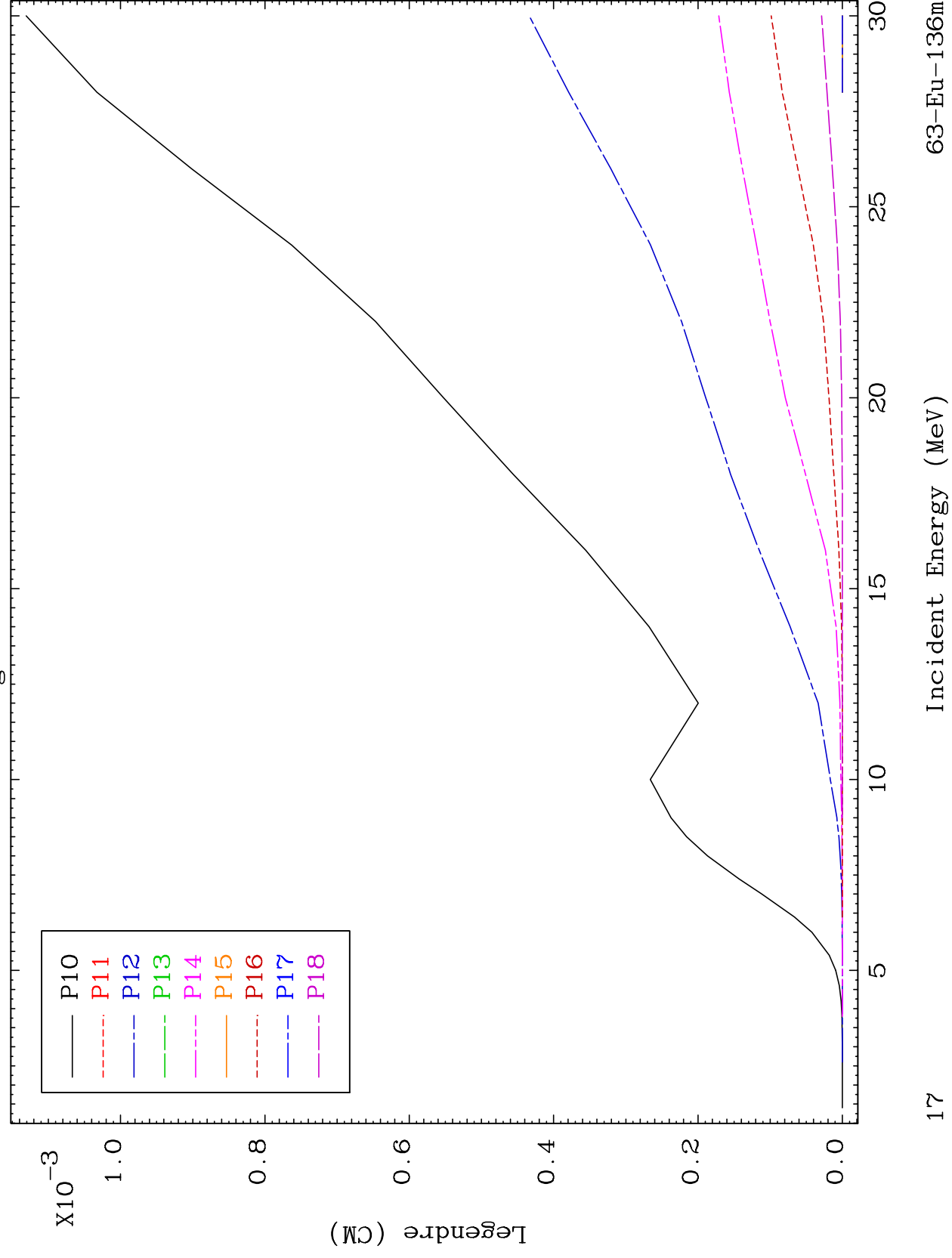
(n,He3) Levels
293 Kelvin Cross Sections

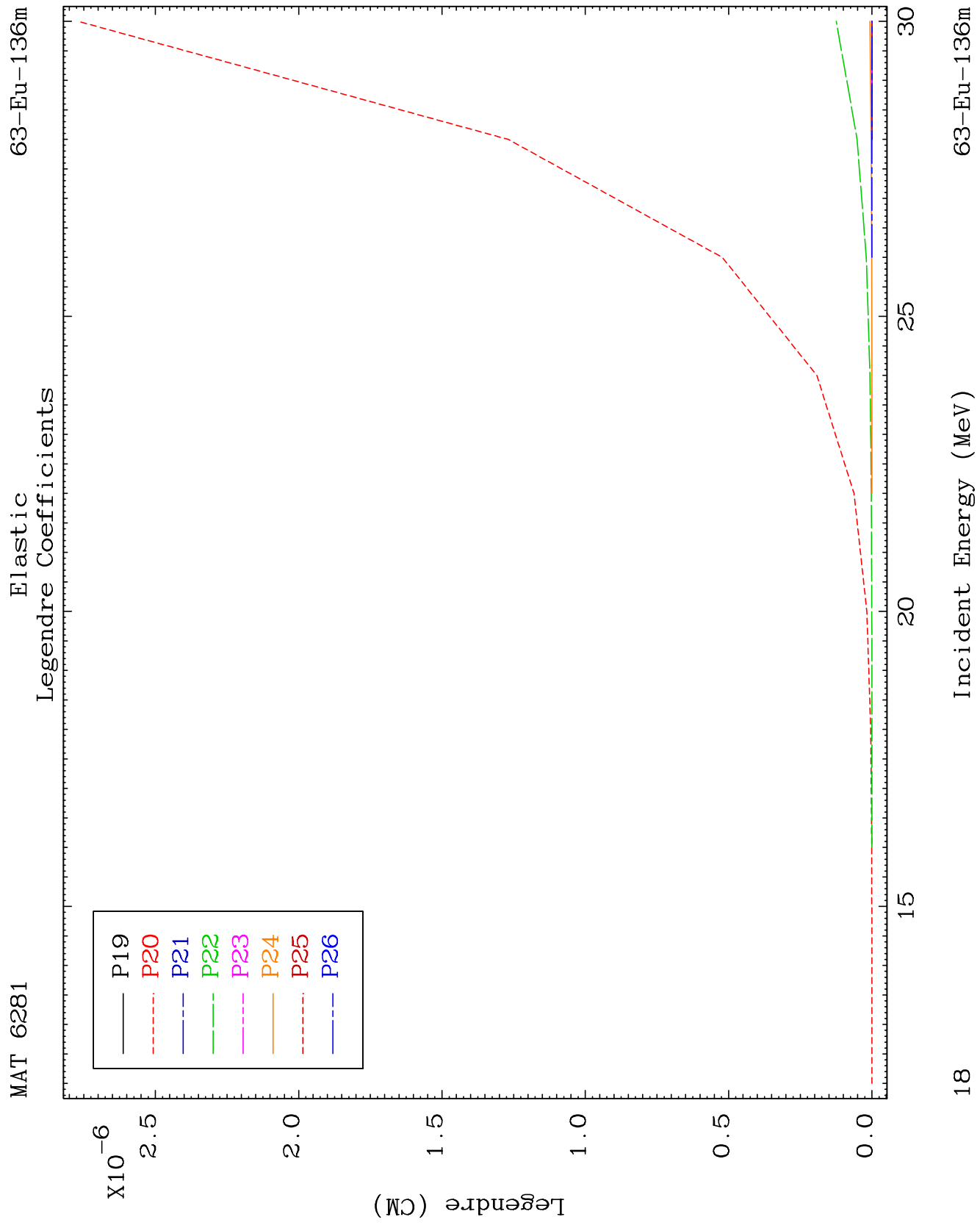
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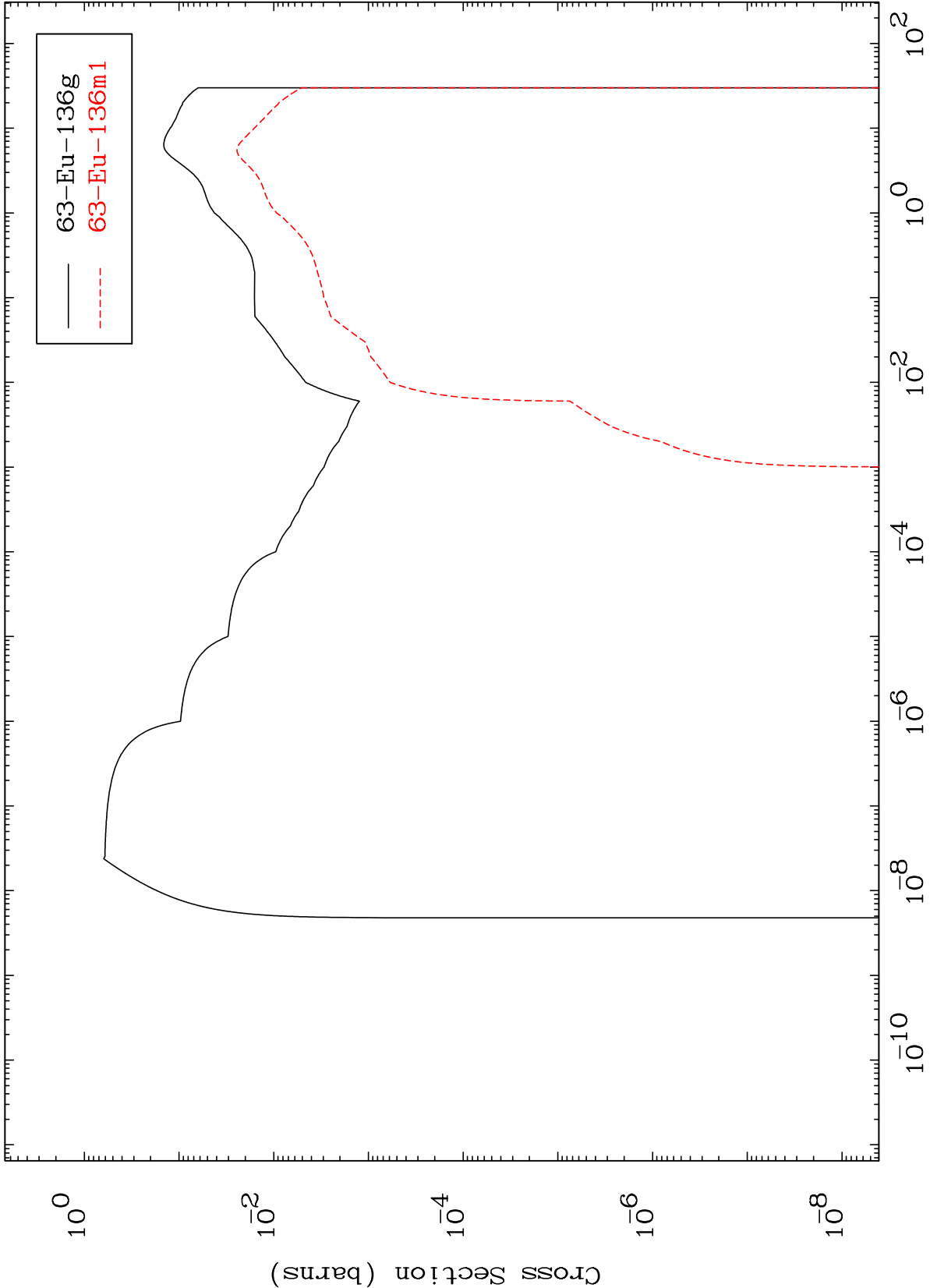


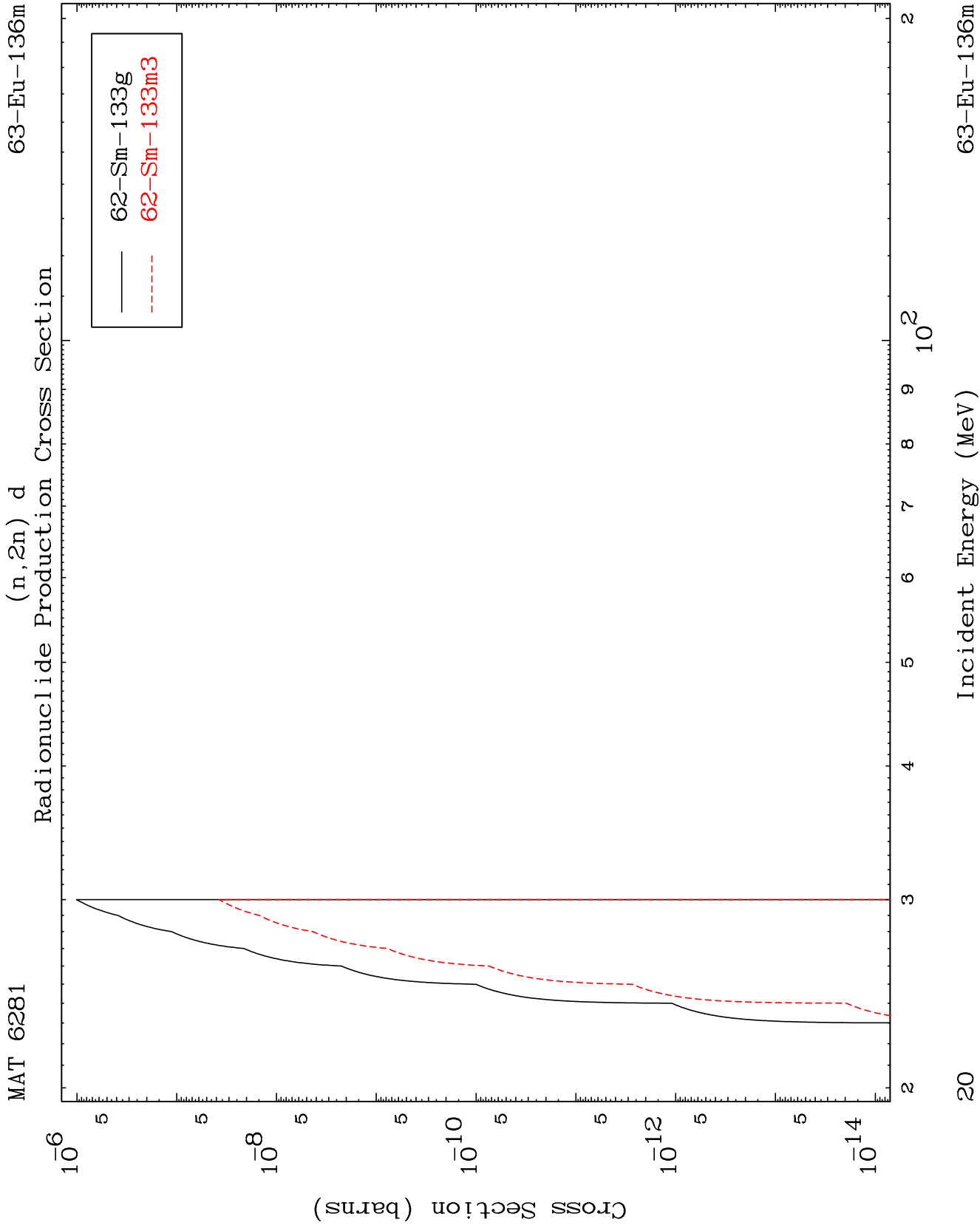


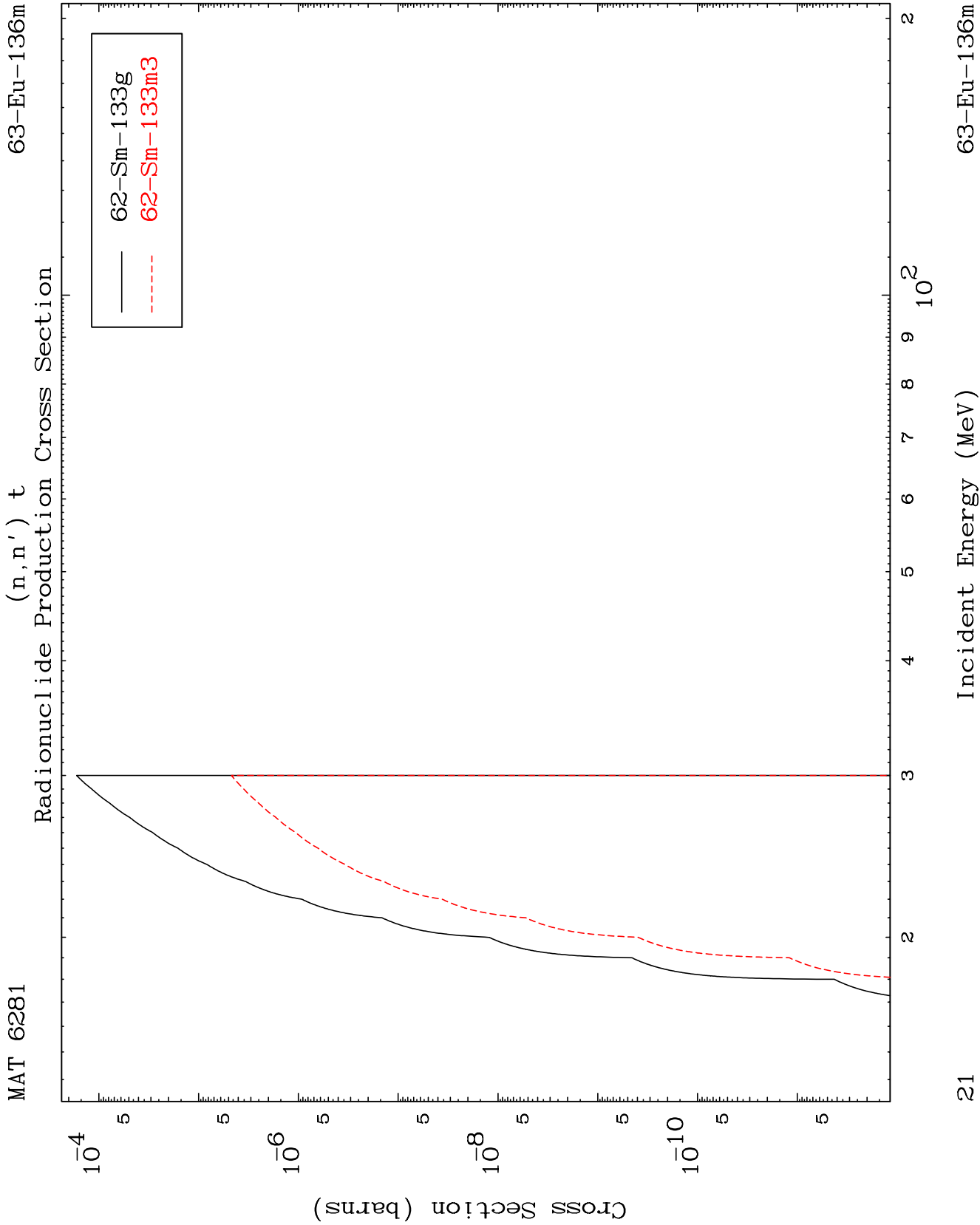




Inelastic
Radionuclide Production Cross Section





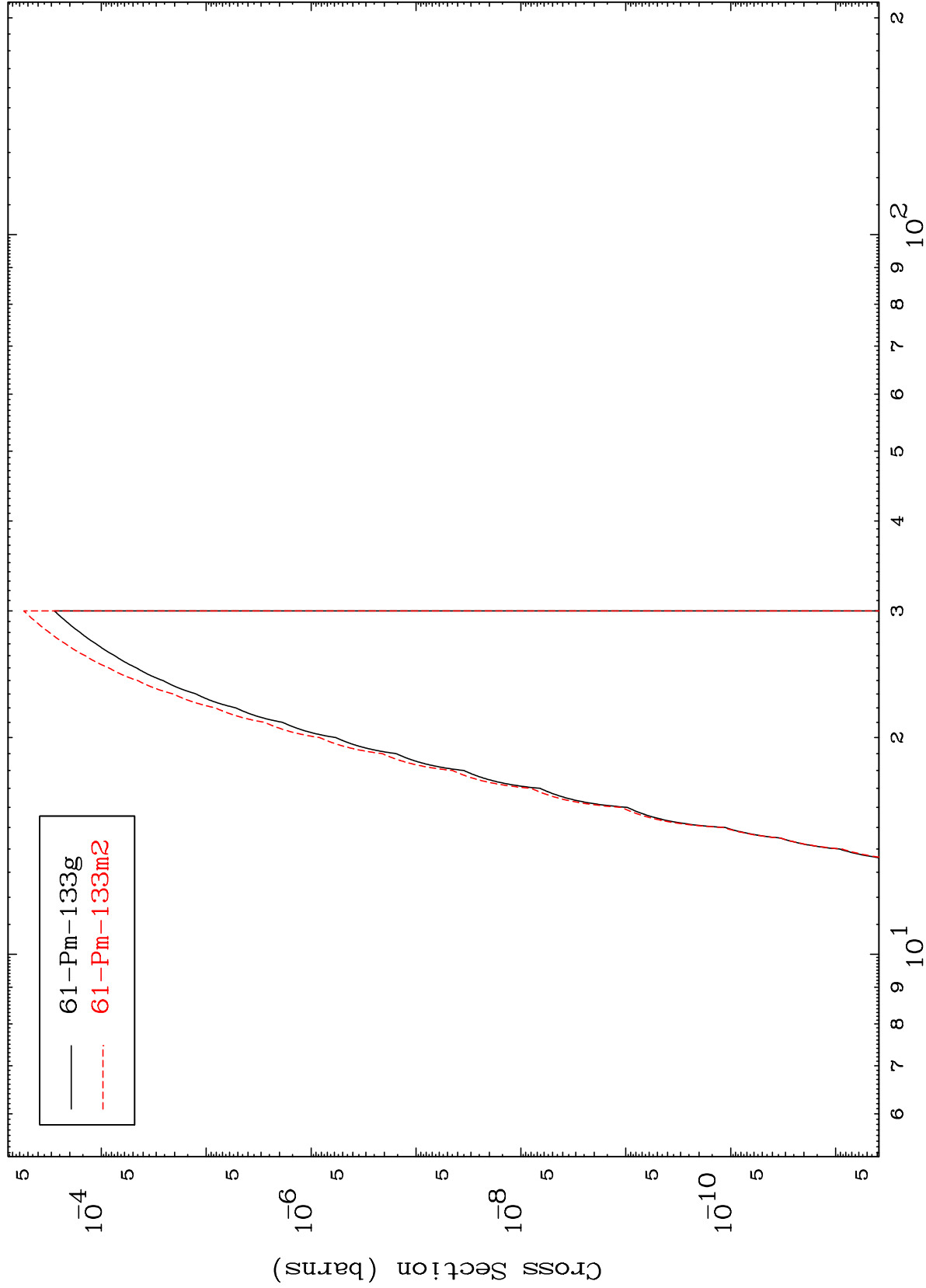


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(n,n') He-3

63-Eu-136m

Radionuclide Production Cross Section



22

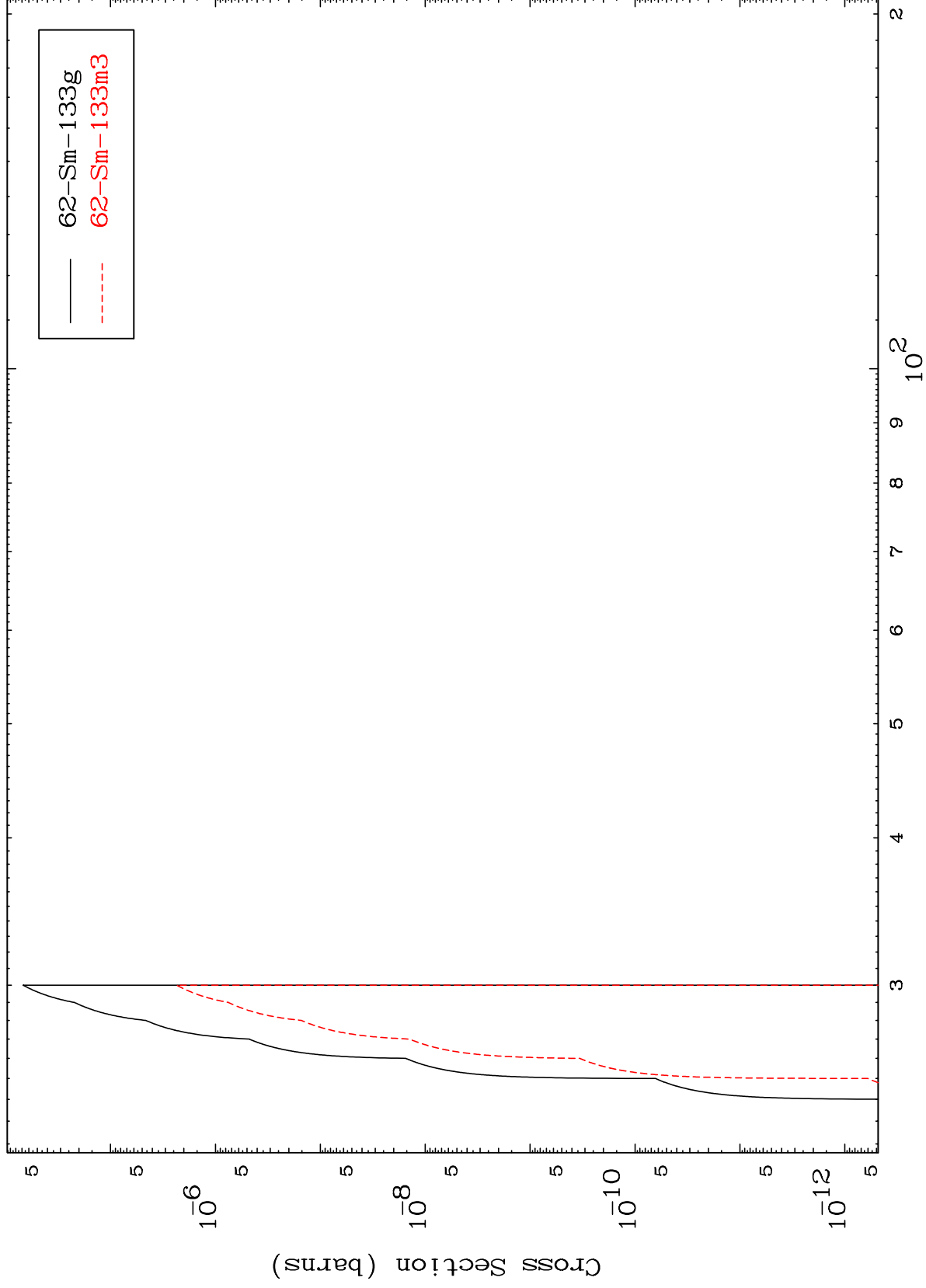
Incident Energy (MeV)

63-Eu-136m

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63-Eu-136m

(n,3n) p
Radionuclide Production Cross Section



63-Eu-136m

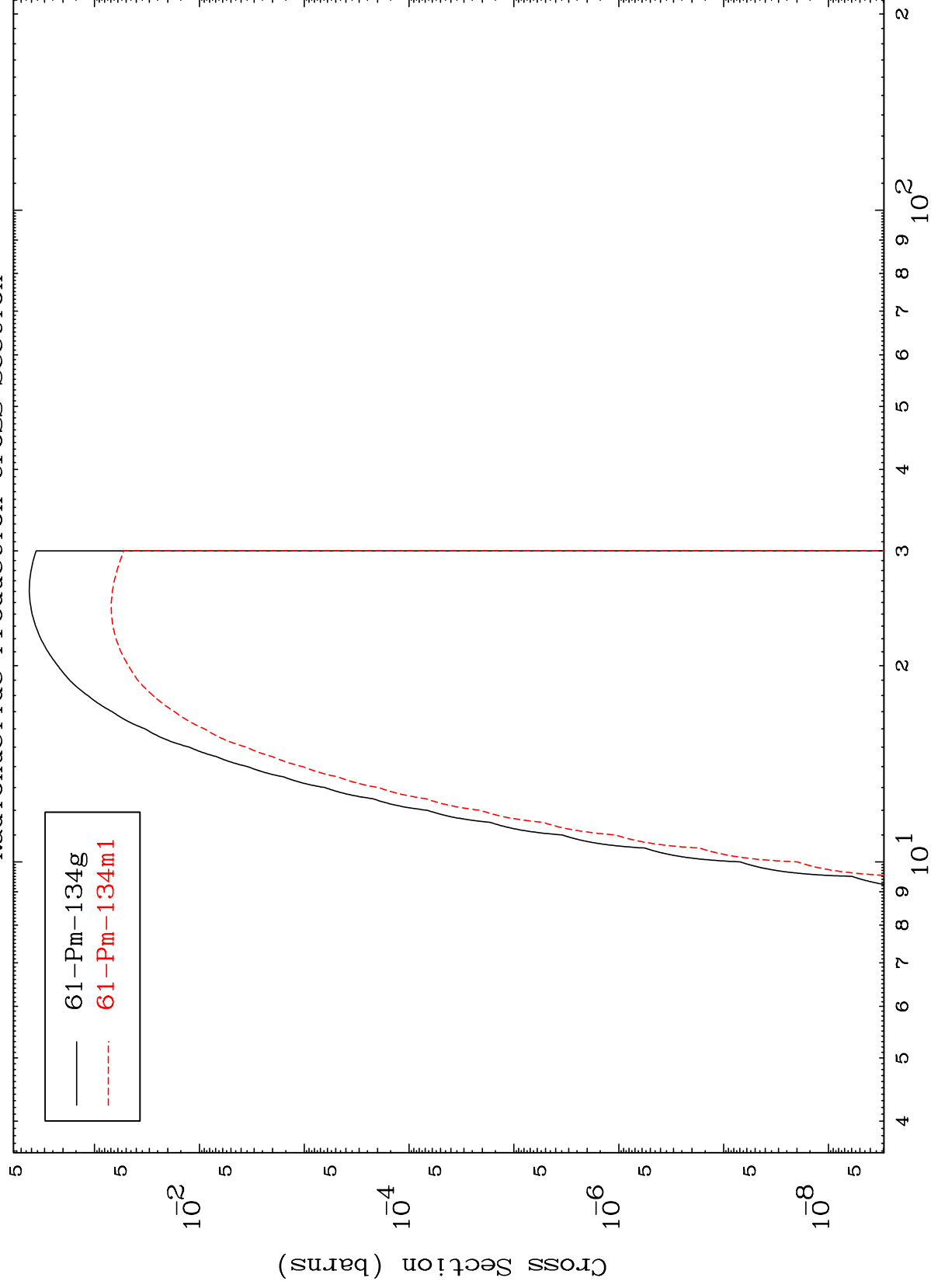
Incident Energy (MeV)

23

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63-Eu-136m

(n,2n) p
Radionuclide Production Cross Section



63-Eu-136m

Incident Energy (MeV)

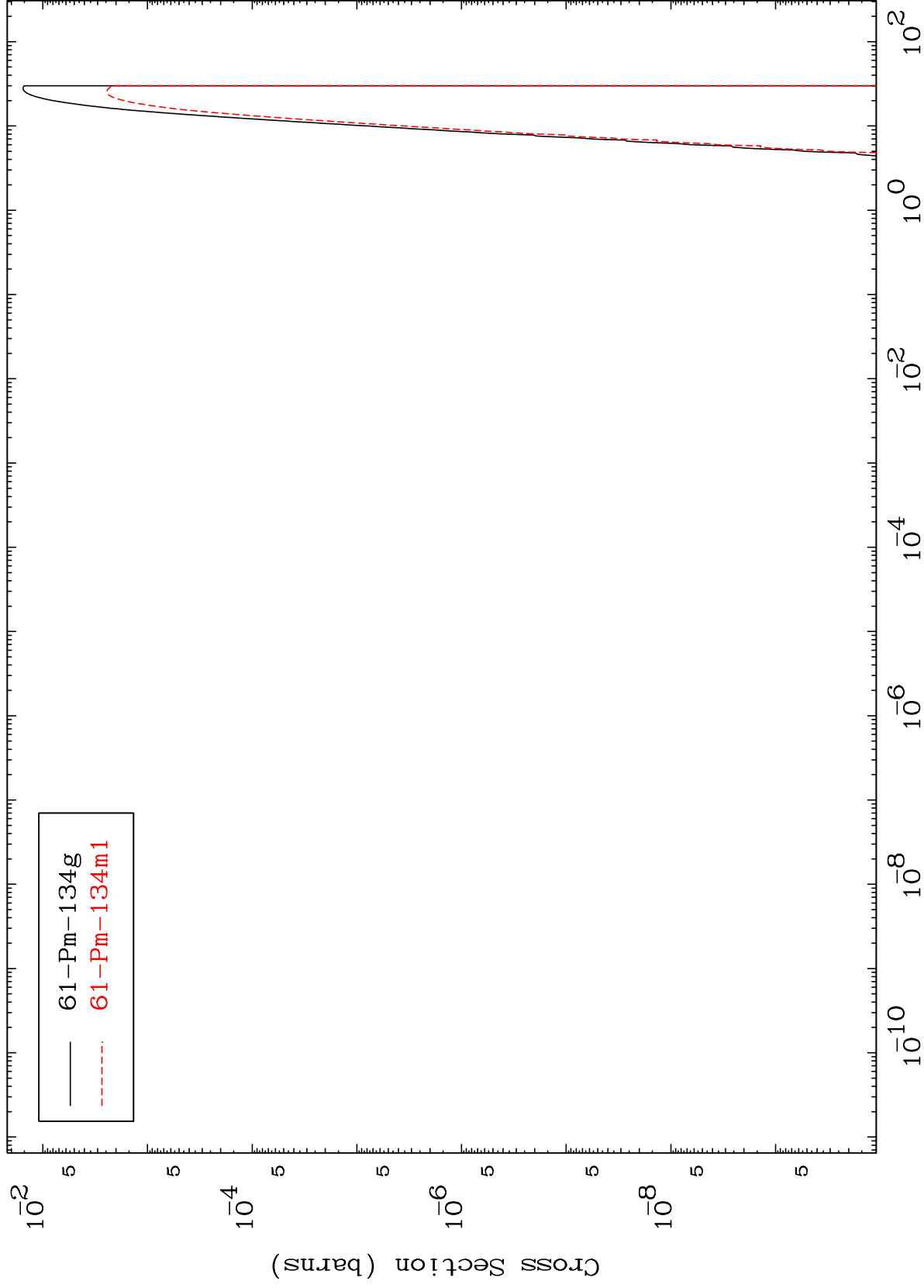
24

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(n,He-3)

63-Eu-136m

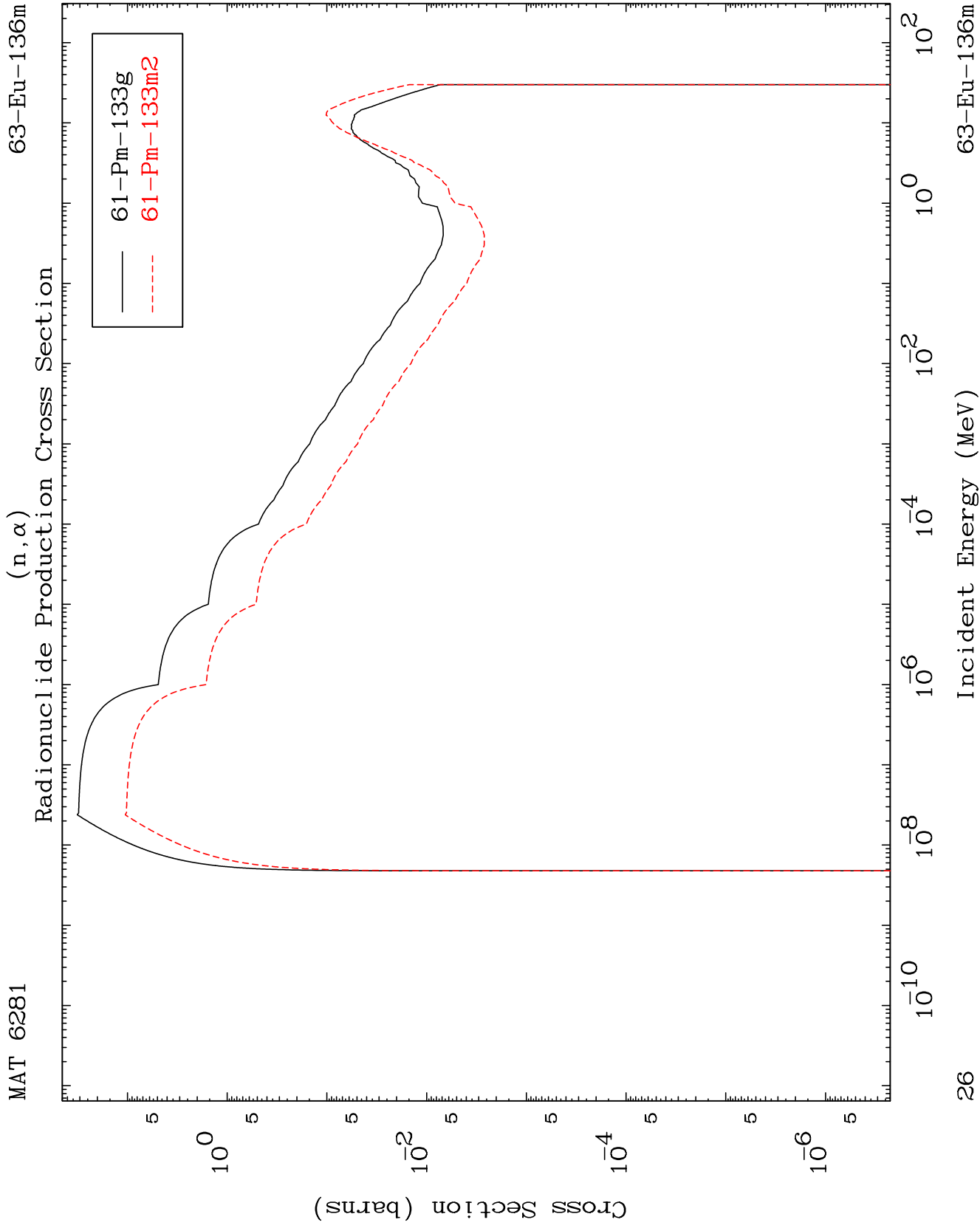
Radionuclide Production Cross Section



25

Incident Energy (MeV)

63-Eu-136m

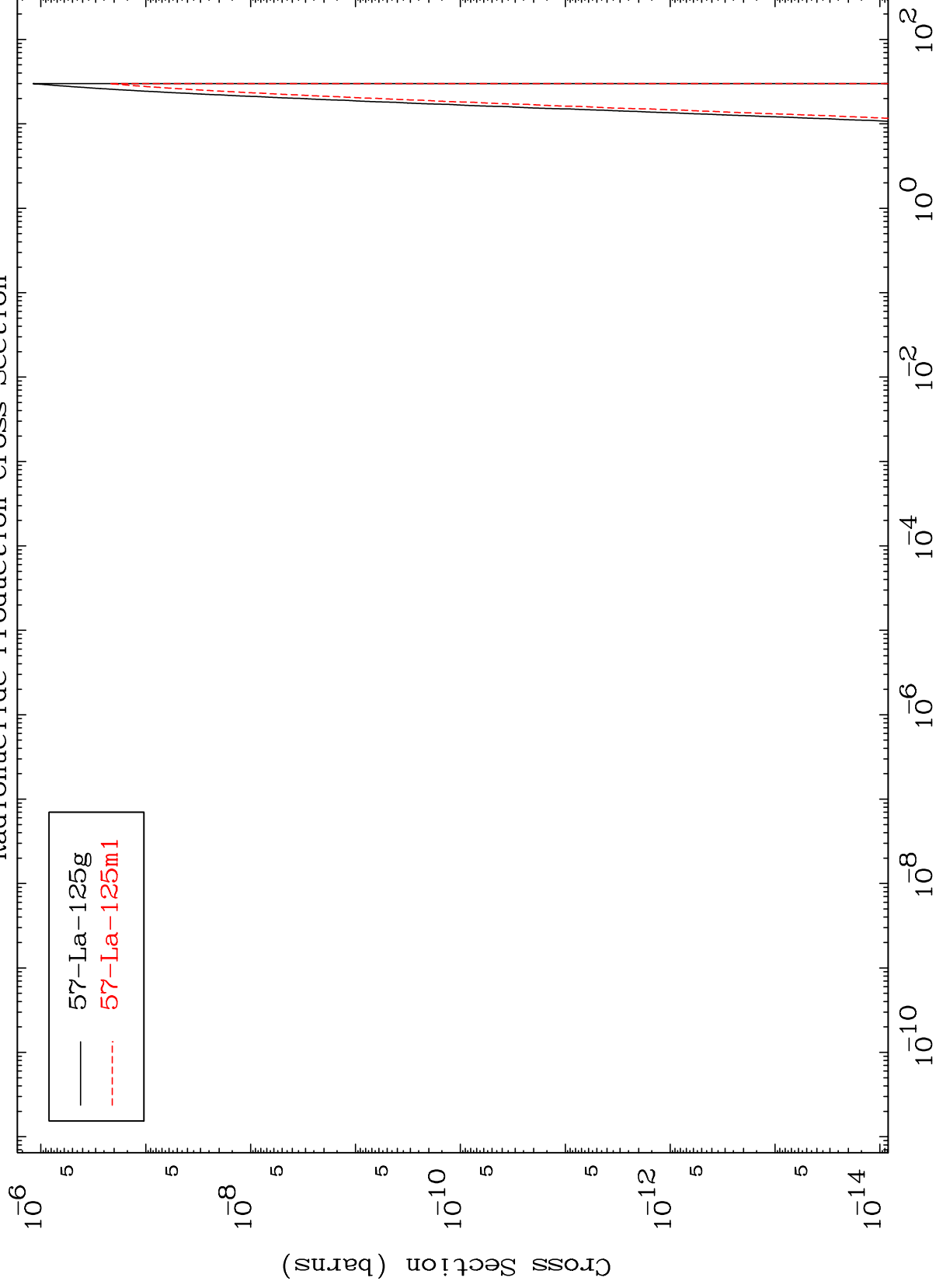


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(n,3 α)

63-Eu-136m

Radionuclide Production Cross Section



27

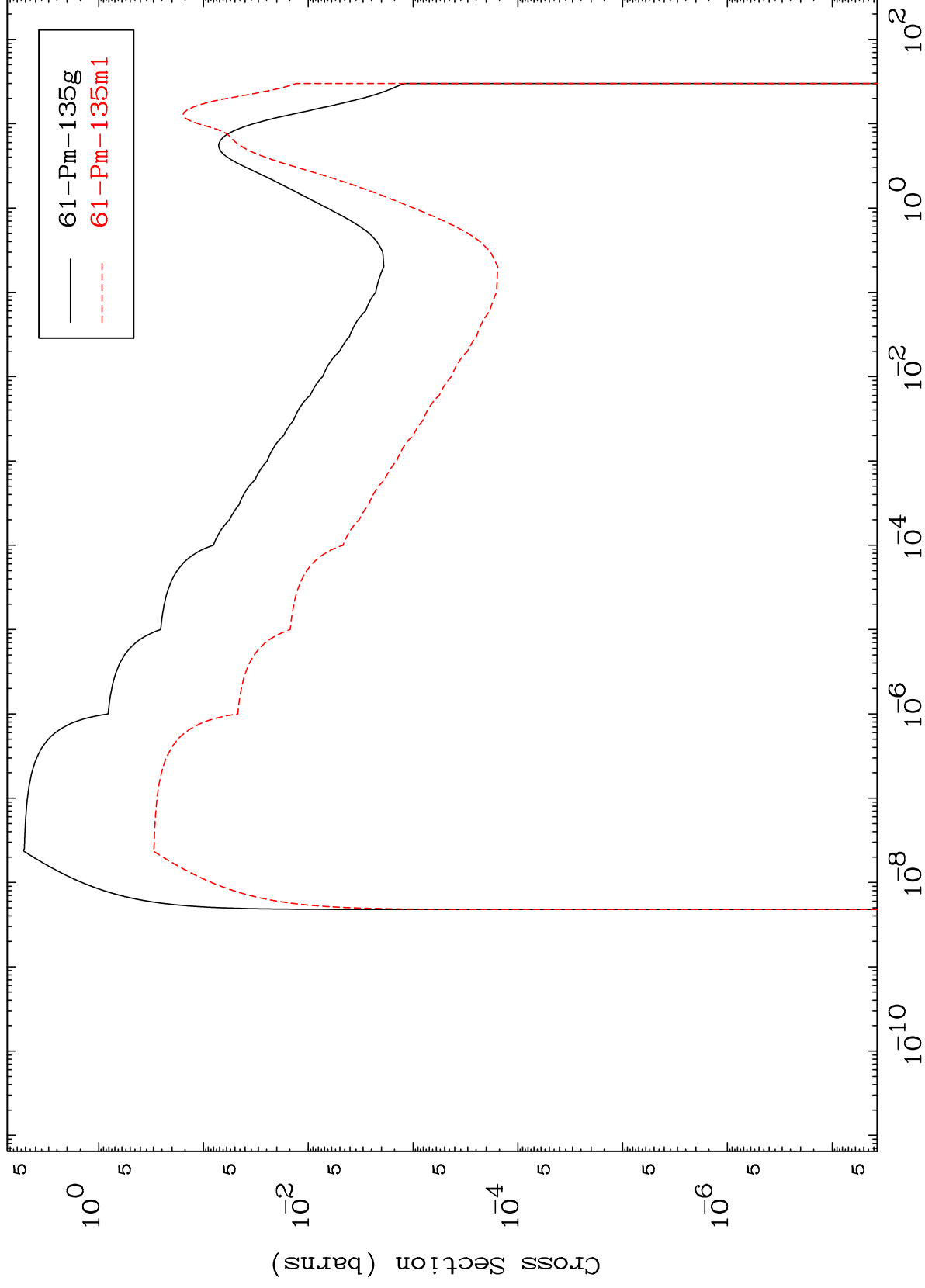
Incident Energy (MeV)

63-Eu-136m

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63-Eu-136m

(n,2p)
Radionuclide Production Cross Section



28

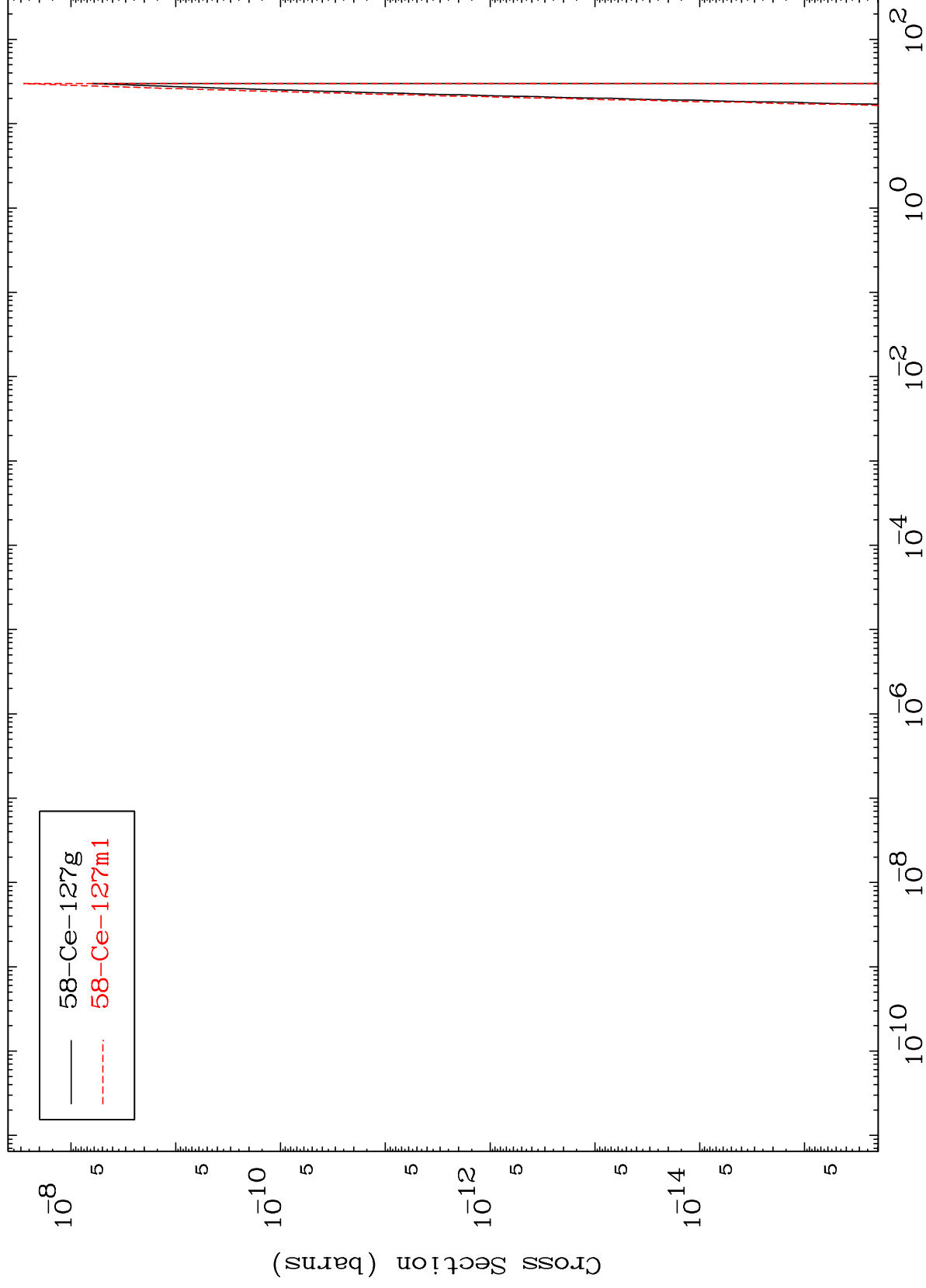
63-Eu-136m

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(n,d) 2α

$^{63}\text{Eu}-^{136}\text{m}$

Radionuclide Production Cross Section



29

Incident Energy (MeV)

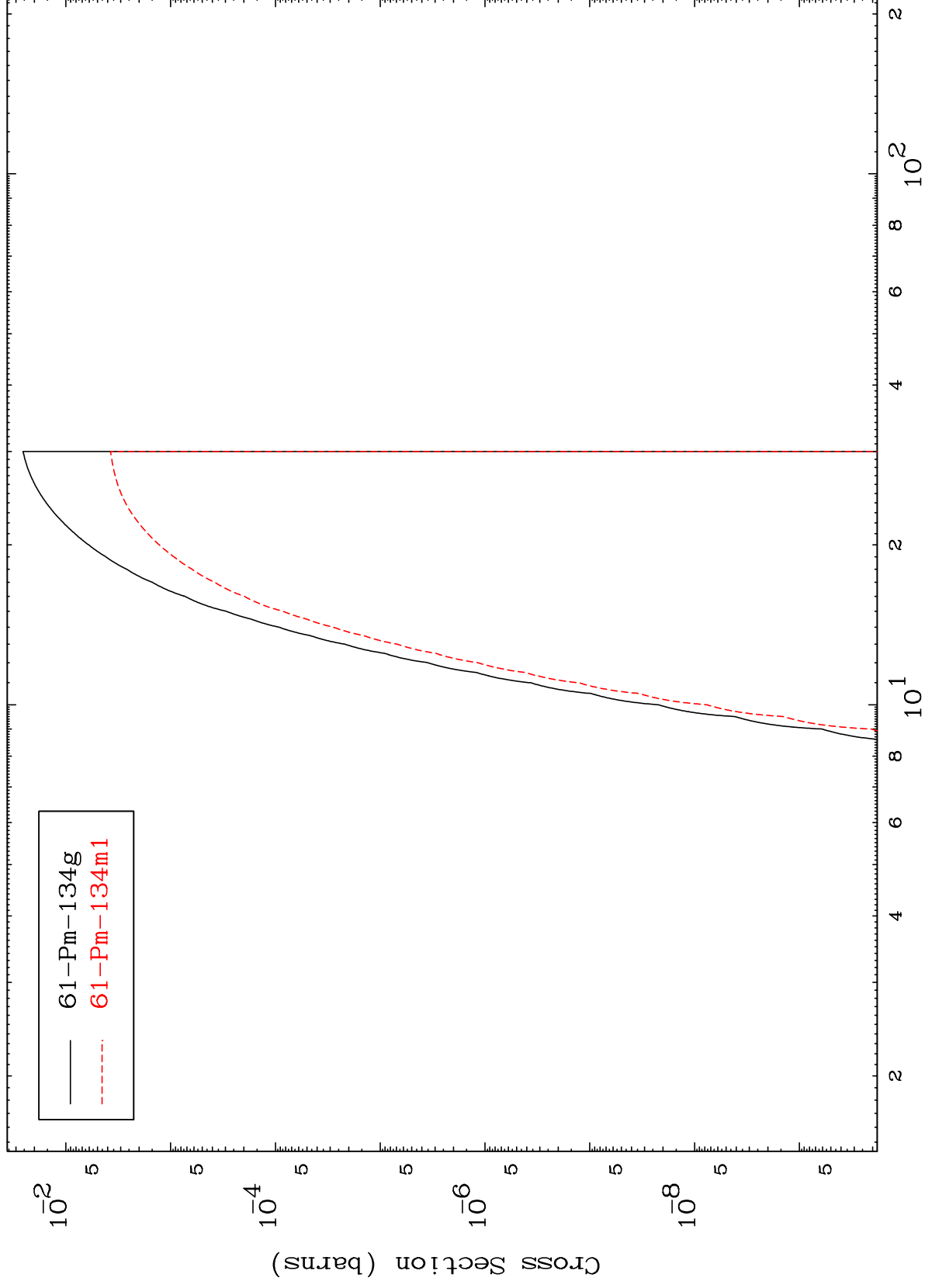
$^{63}\text{Eu}-^{136}\text{m}$

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(n,p) d

63-Eu-136m

Radionuclide Production Cross Section



30

Incident Energy (MeV)

63-Eu-136m

