

Program EVALPLOT
(Version 2015-2)

by

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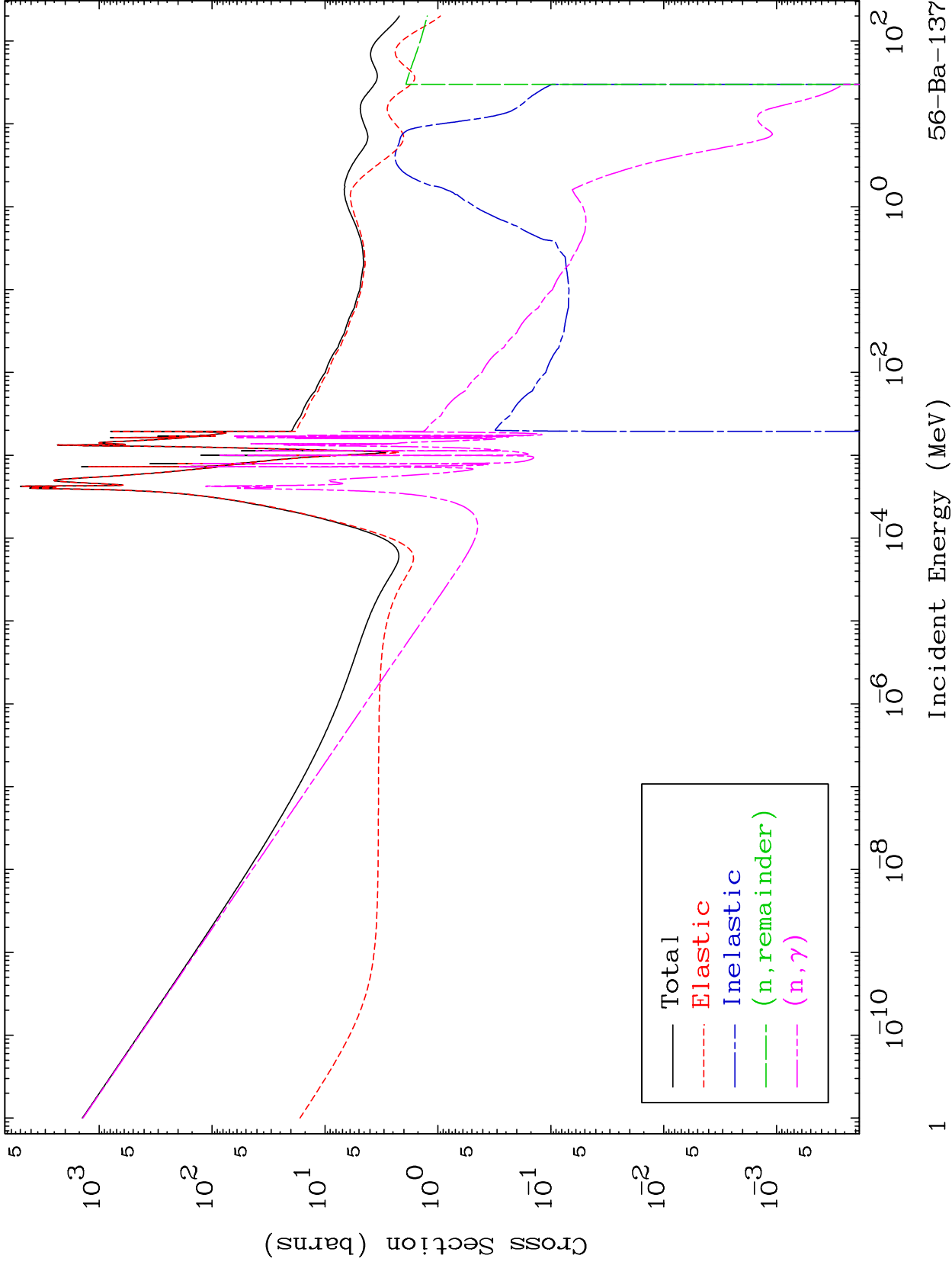
Press Mouse Button to Start

MAT 5647

Major

293 Kelvin Cross Sections

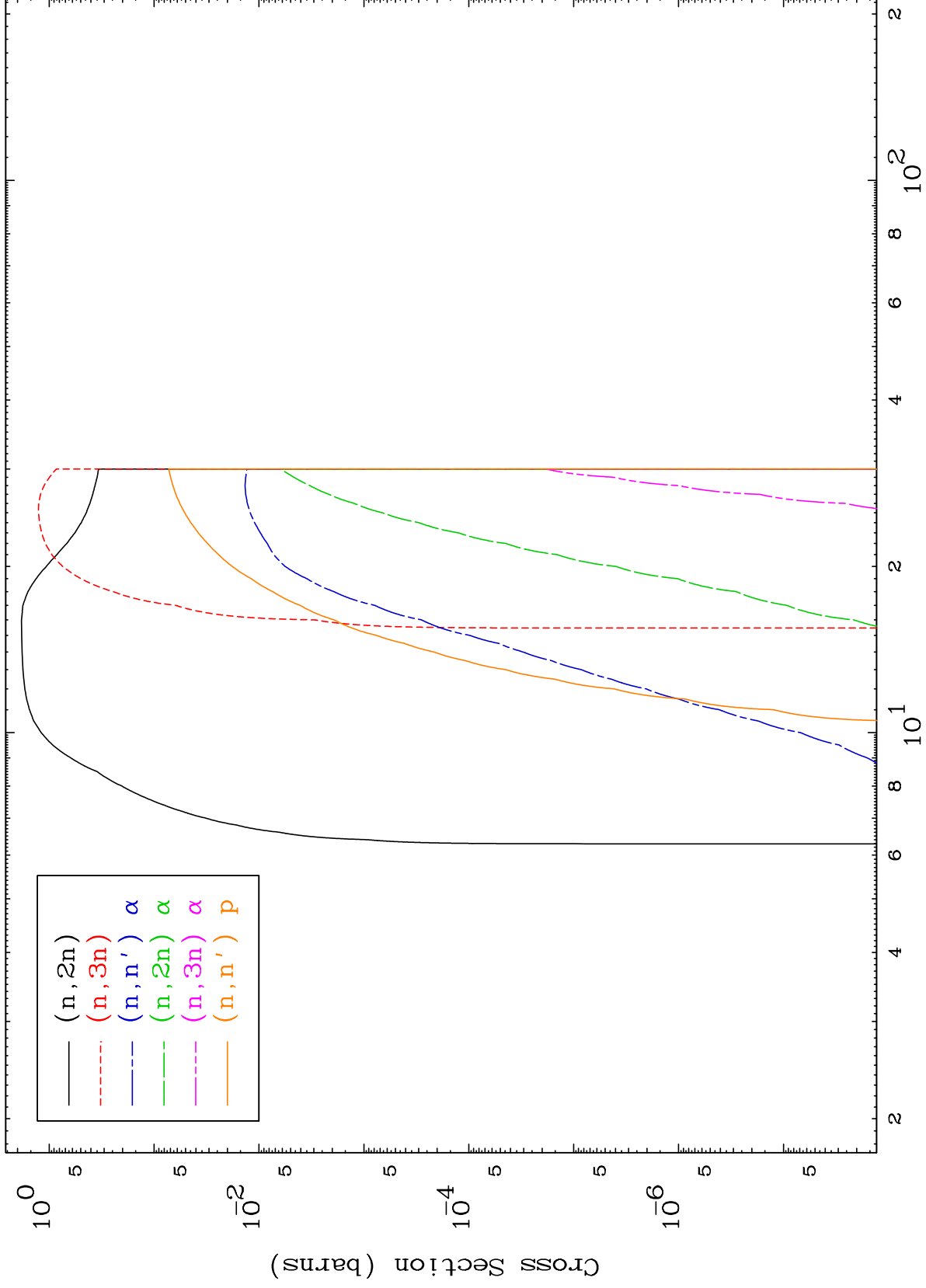
56-Ba-137



MAT 5647

Neutron Production
293 Kelvin Cross Sections

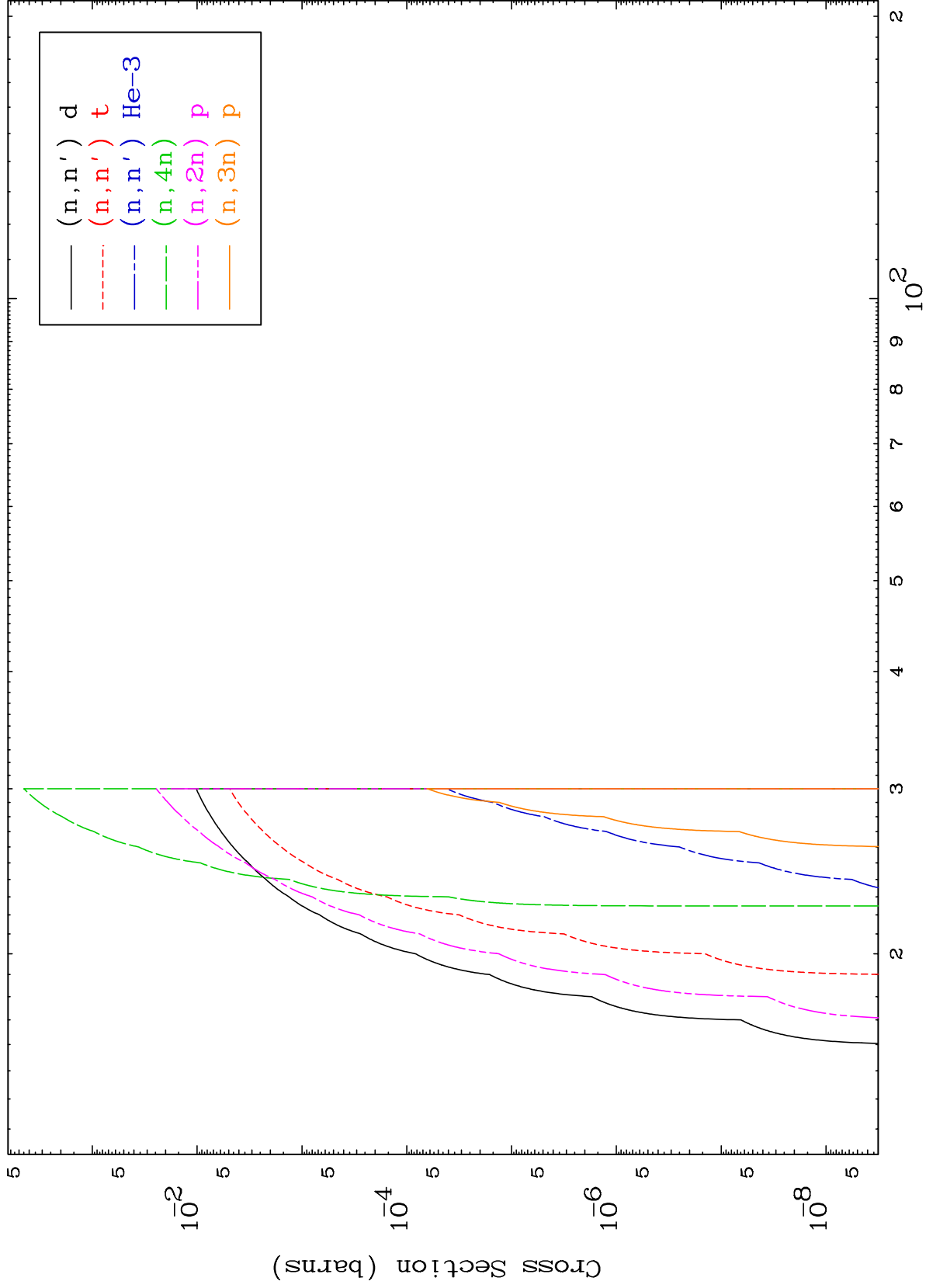
56-Ba-137



2

Incident Energy (MeV)

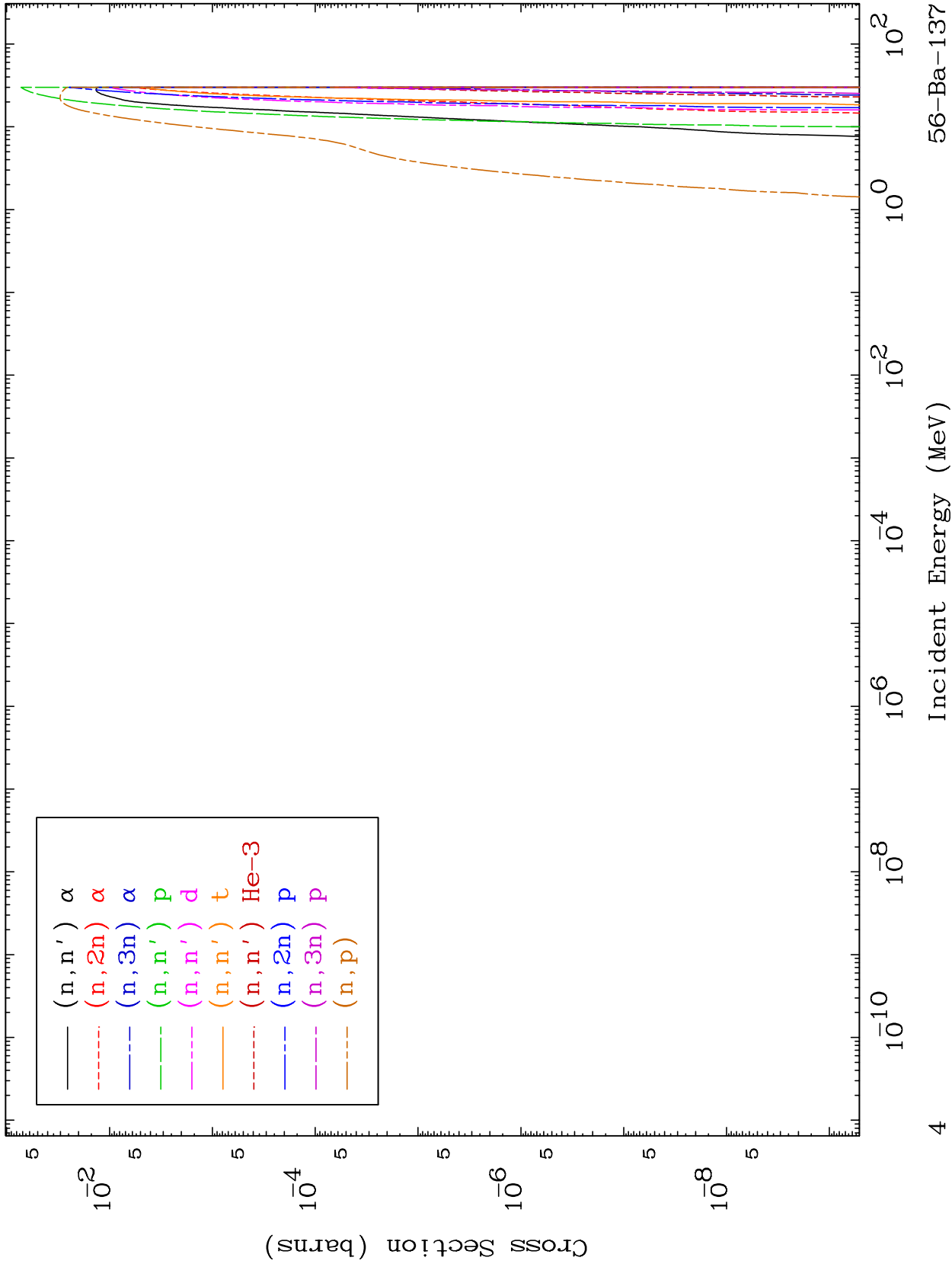
56-Ba-137



MAT 5647

Charged Particle
293 Kelvin Cross Sections

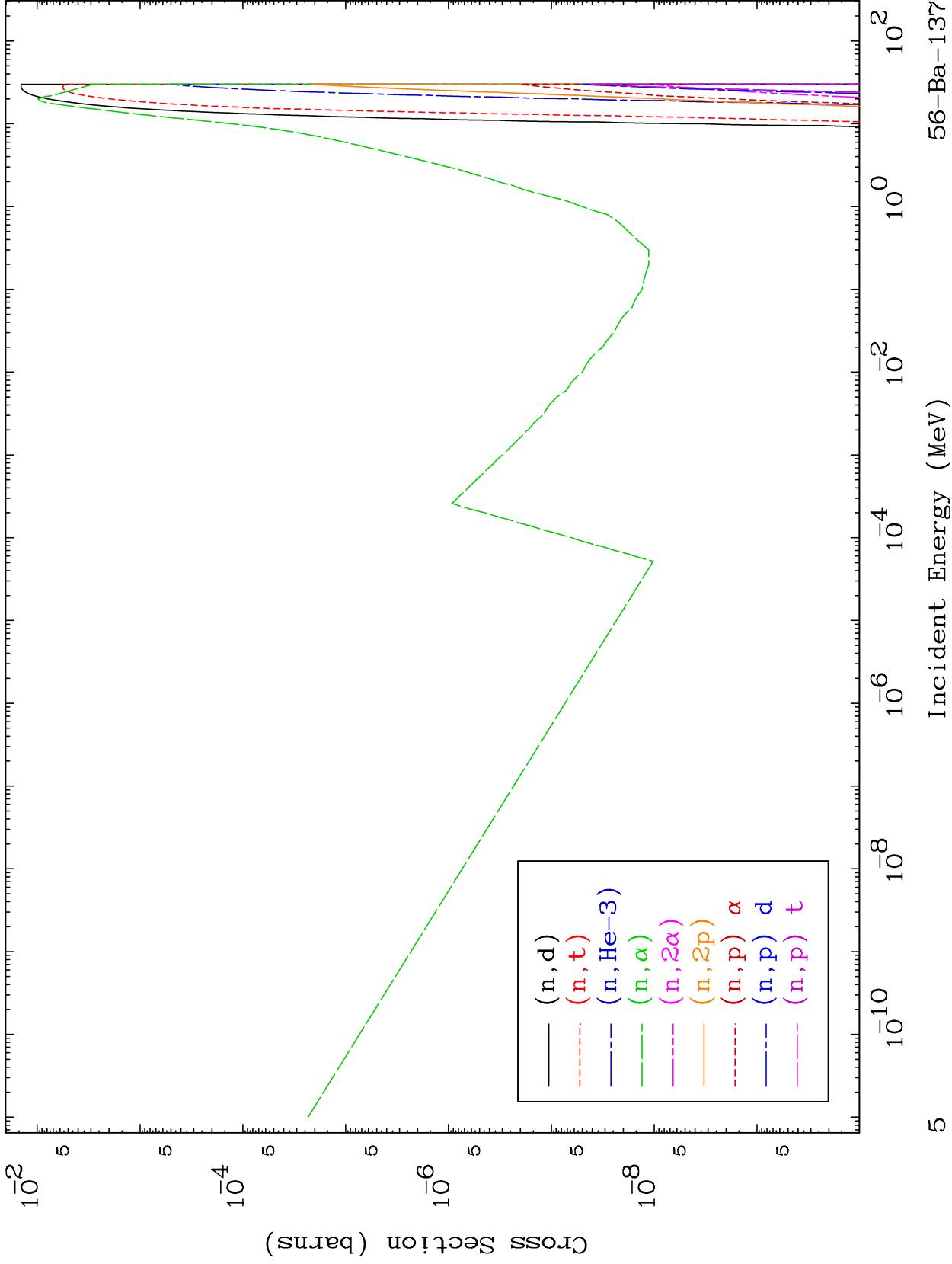
56-Ba-137

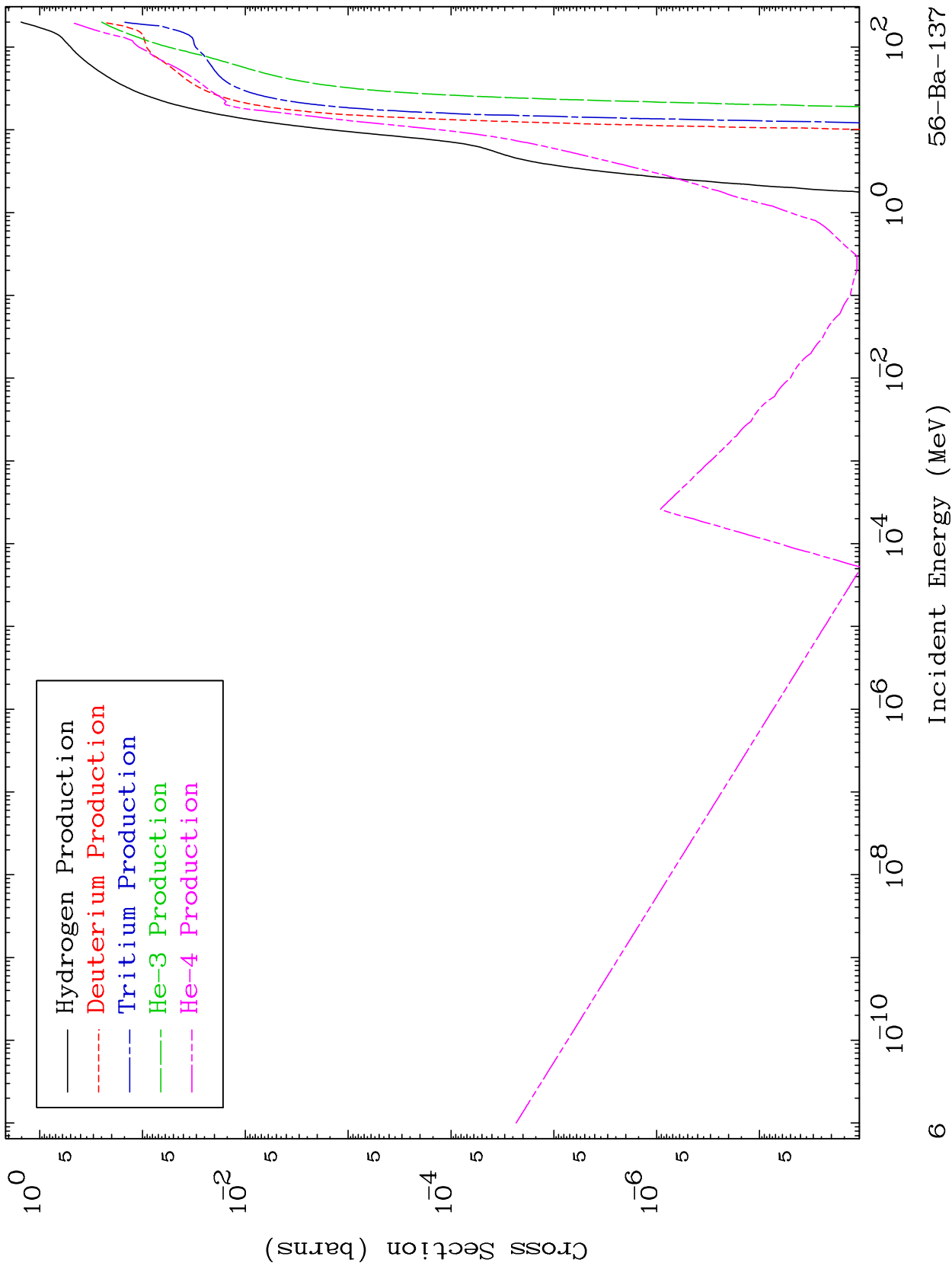


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Charged Particle
293 Kelvin Cross Sections

56-Ba-137

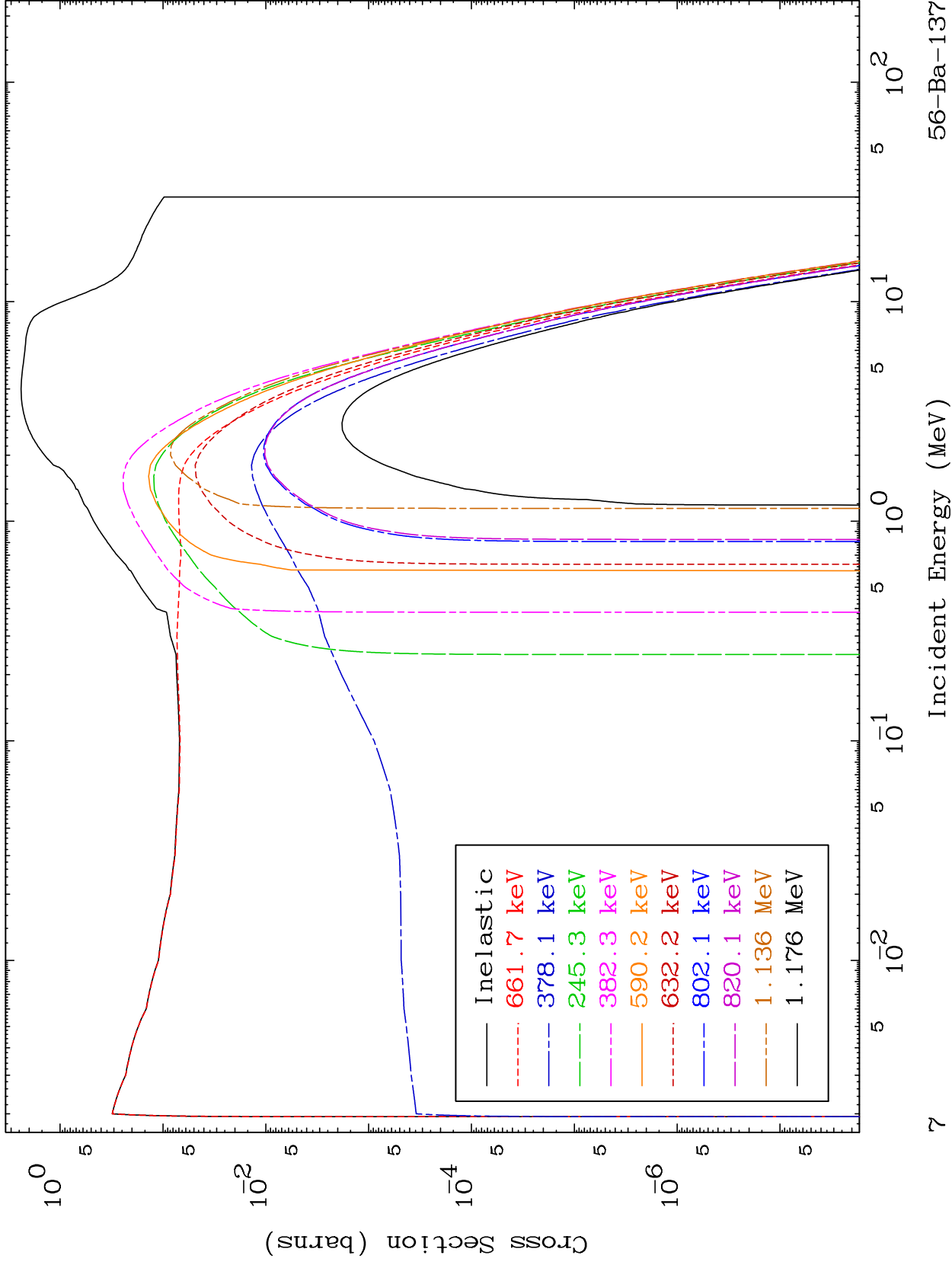




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(n,n') Level
293 Kelvin Cross Sections

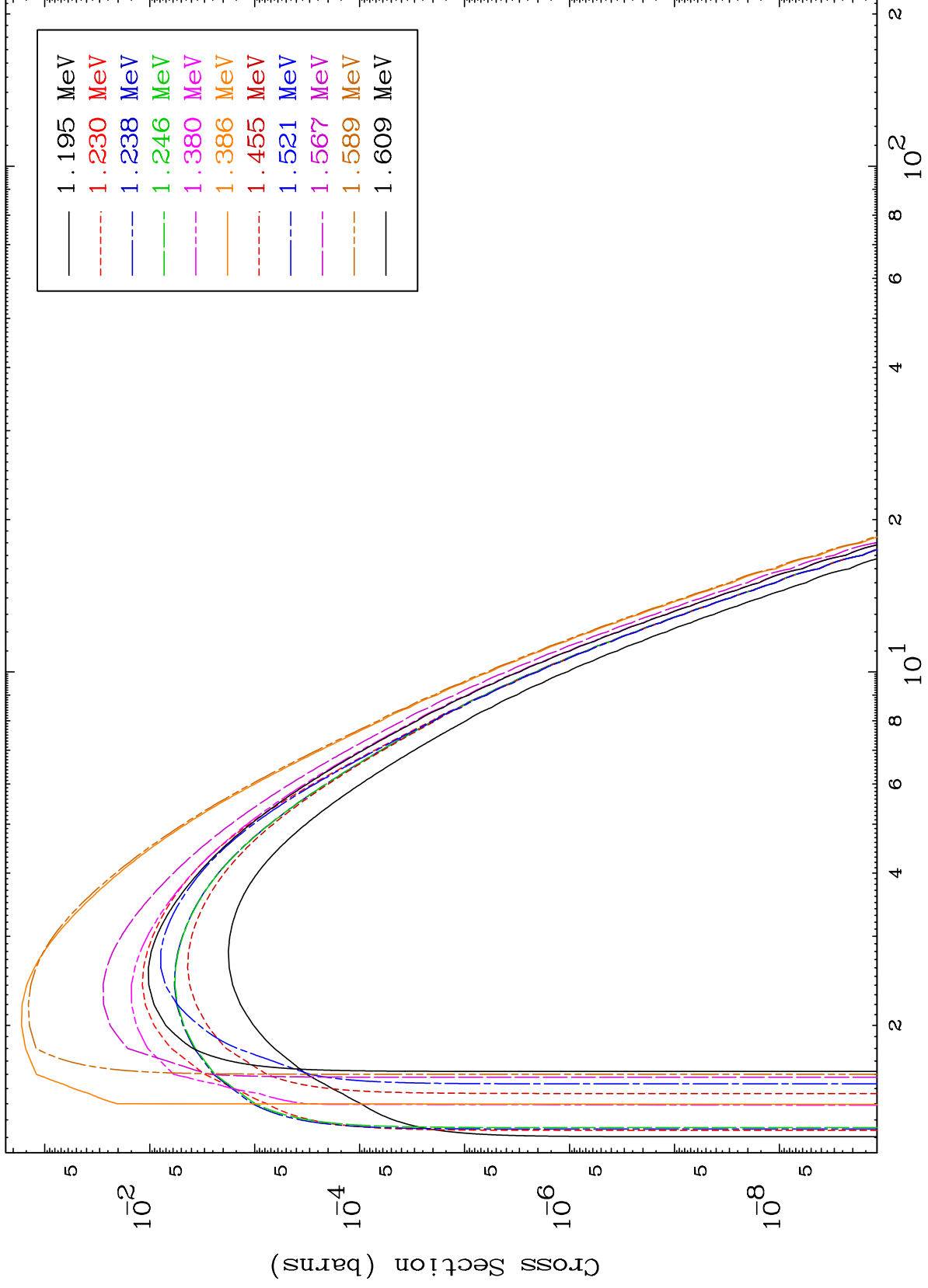
56-Ba-137



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(n,n') Level
293 Kelvin Cross Sections

56-Ba-137



8

Incident Energy (MeV)

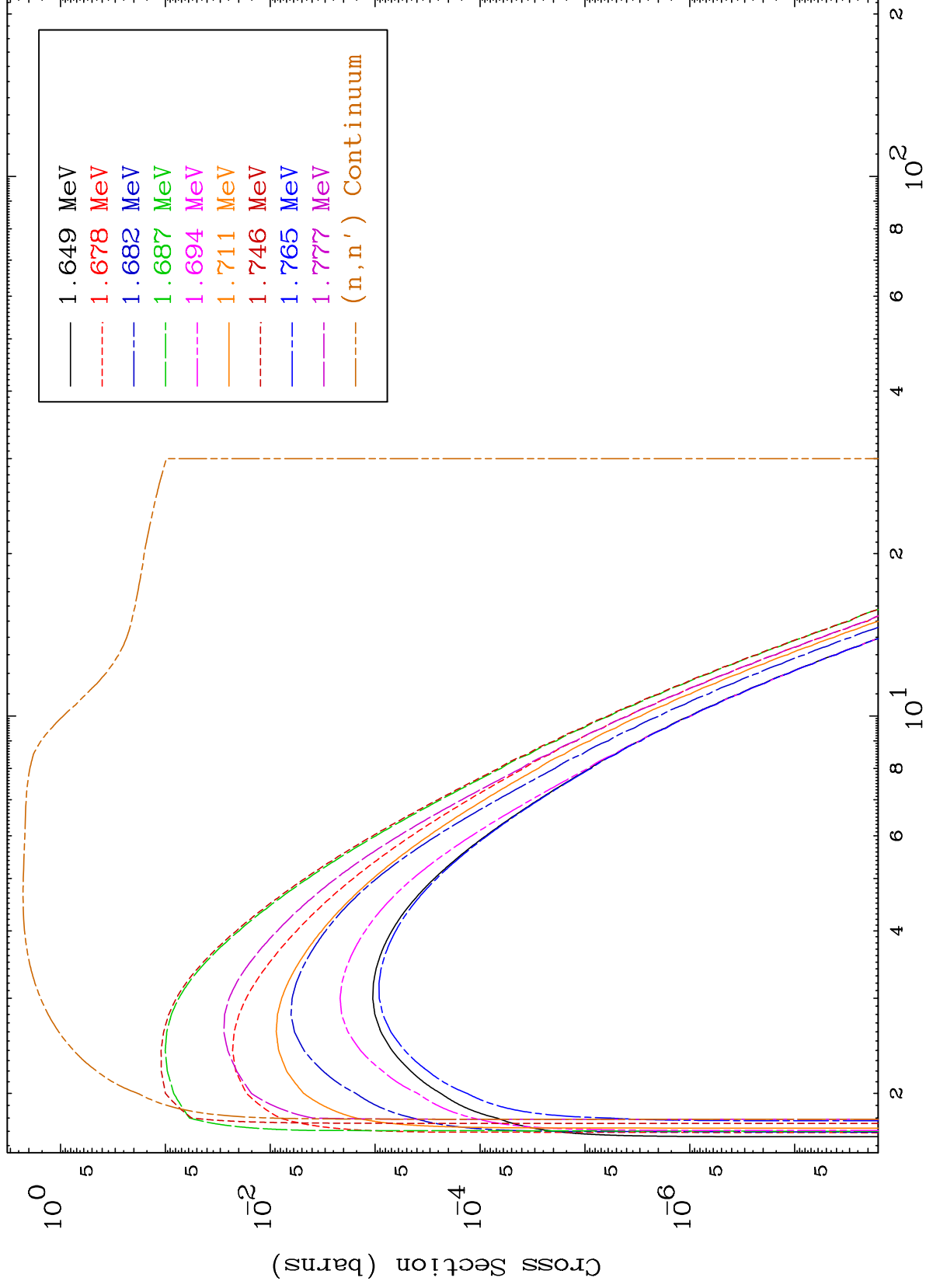
56-Ba-137

MAT 5647

(n,n') Level

56-Ba-137

293 Kelvin Cross Sections



9

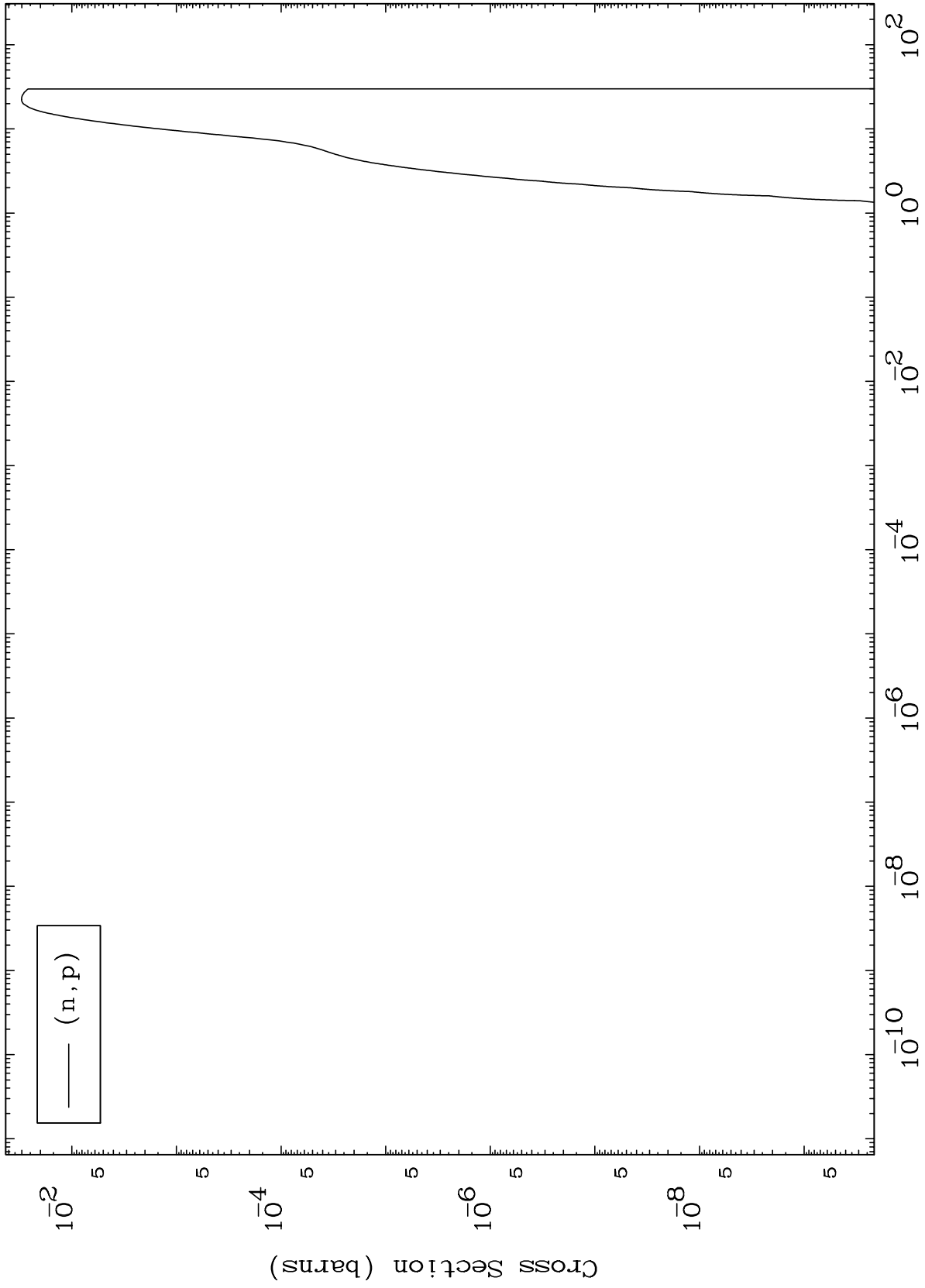
Incident Energy (MeV)

56-Ba-137

MAT 5647

(n,p) Levels
293 Kelvin Cross Sections

56-Ba-137



10

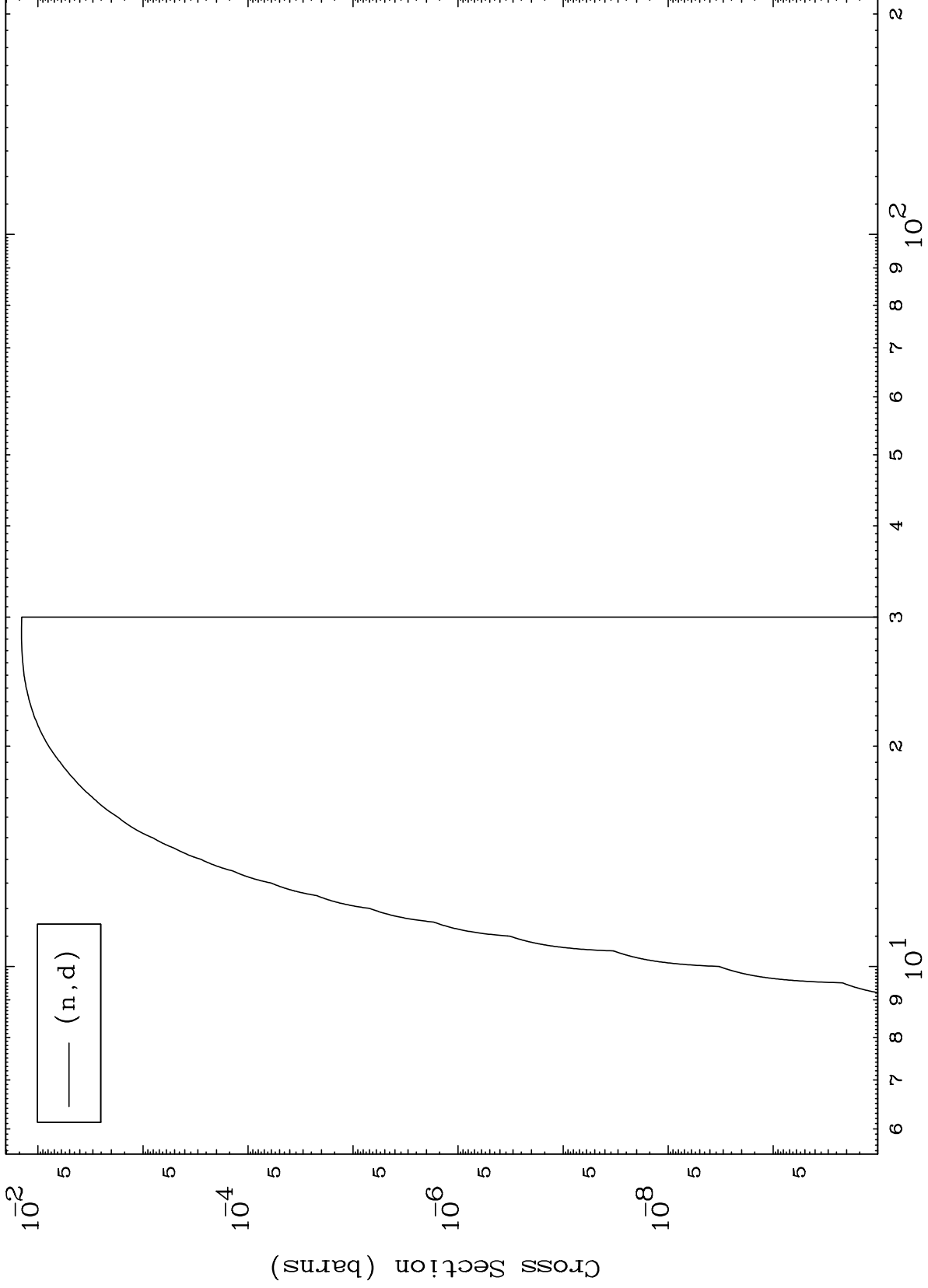
Incident Energy (MeV)

56-Ba-137

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(n,d) Levels
293 Kelvin Cross Sections

56-Ba-137



11

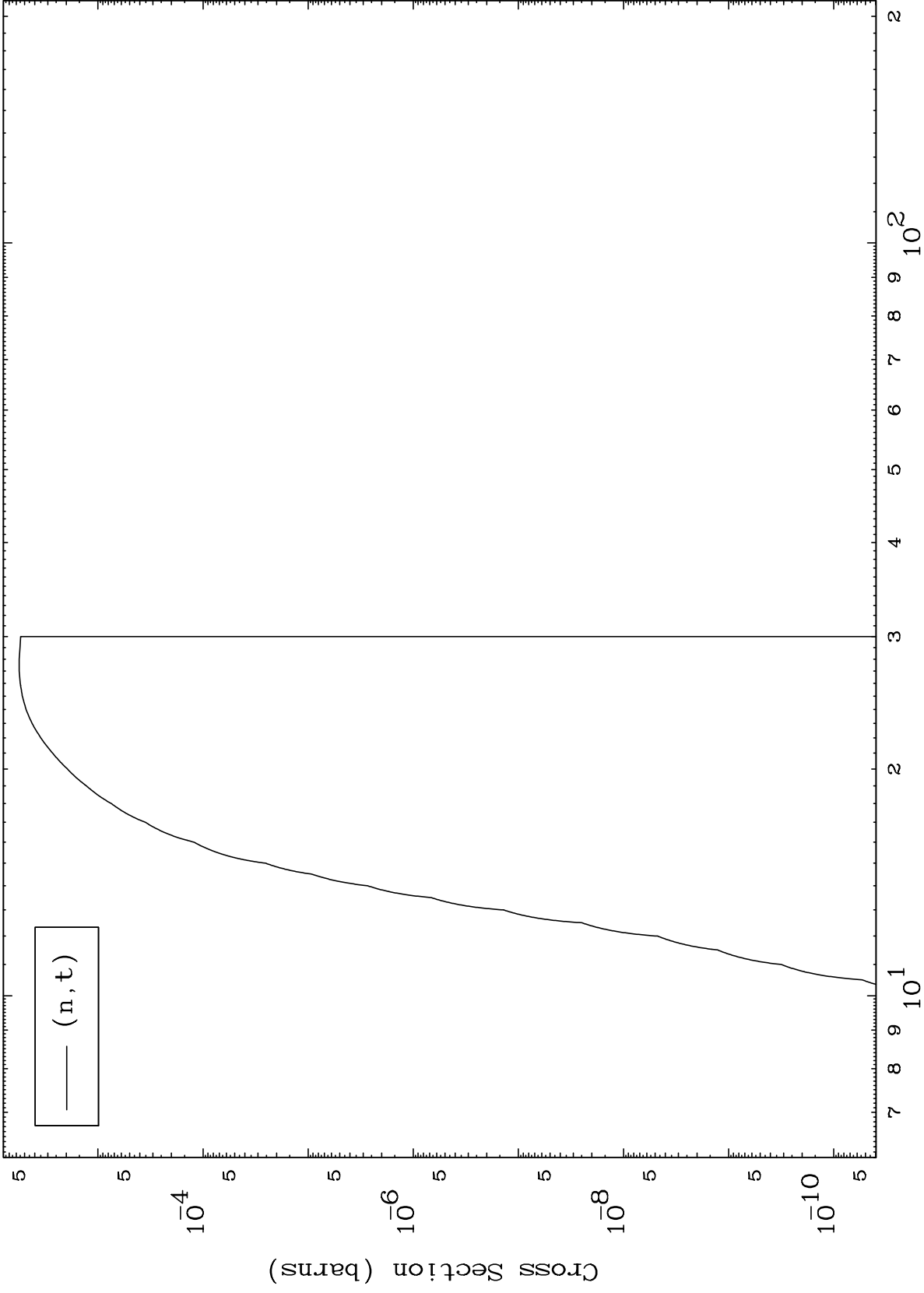
Incident Energy (MeV)

56-Ba-137

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(n, t) Levels
293 Kelvin Cross Sections

56-Ba-137



12

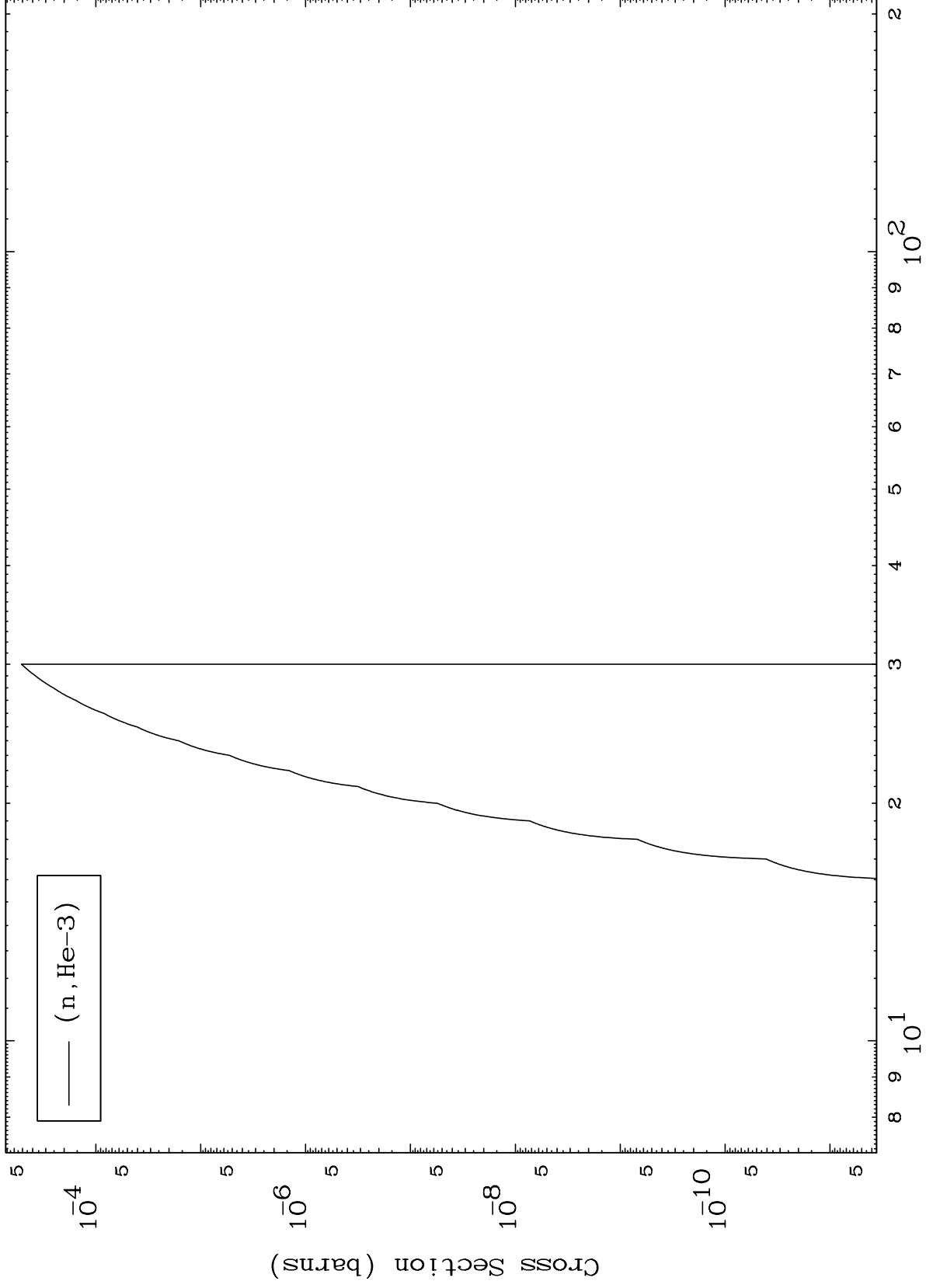
Incident Energy (MeV)

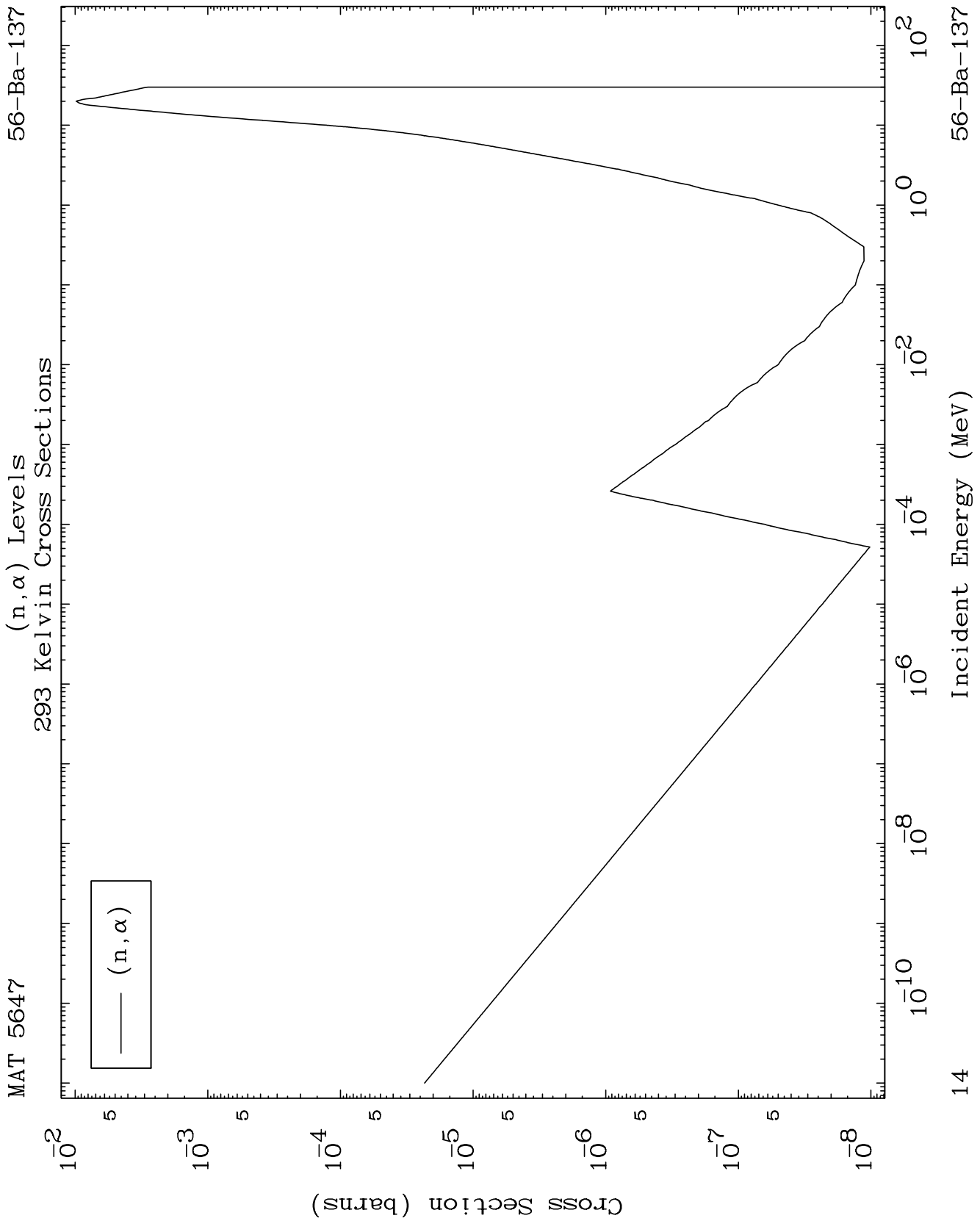
56-Ba-137

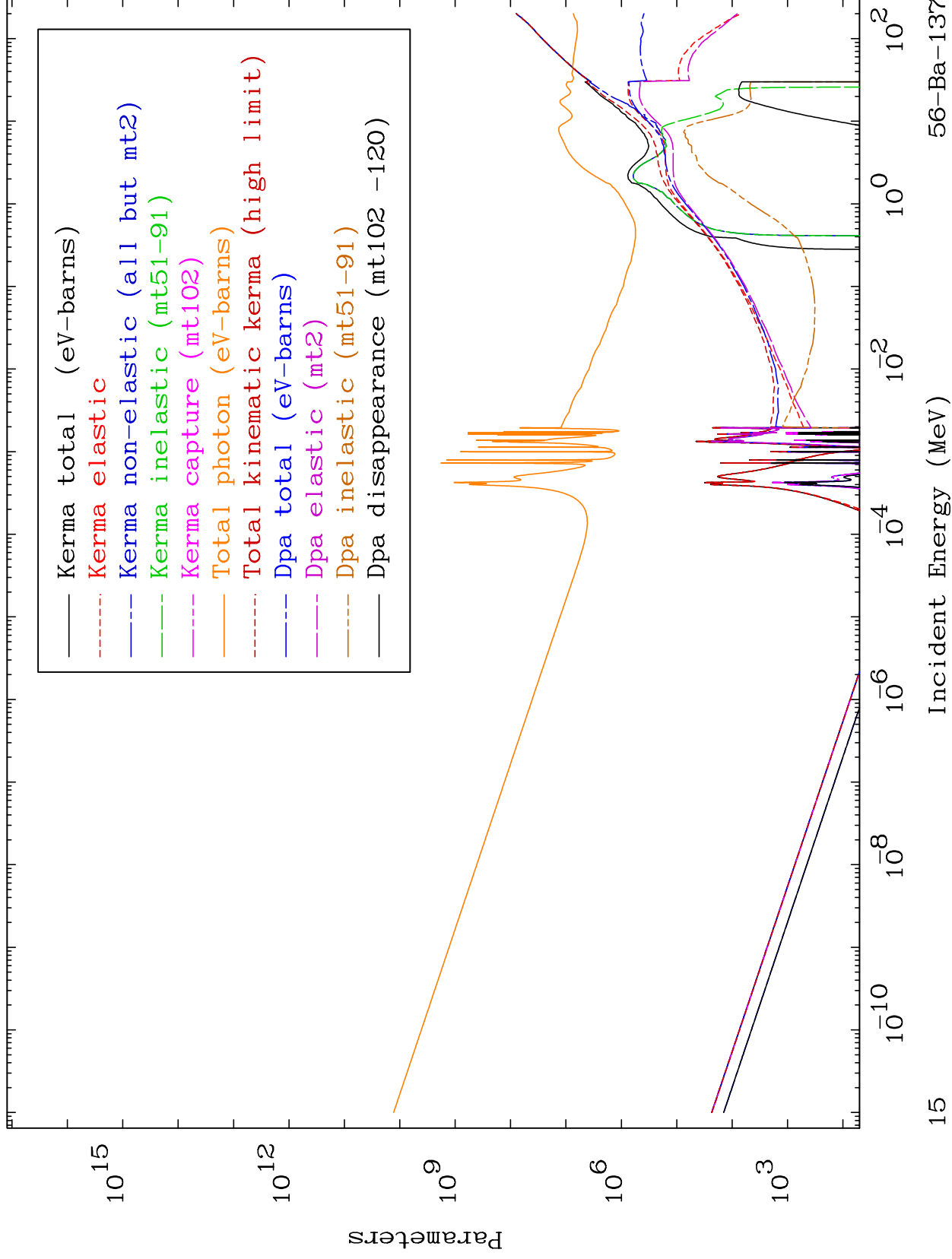
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(n,He3) Levels
293 Kelvin Cross Sections

56-Ba-137



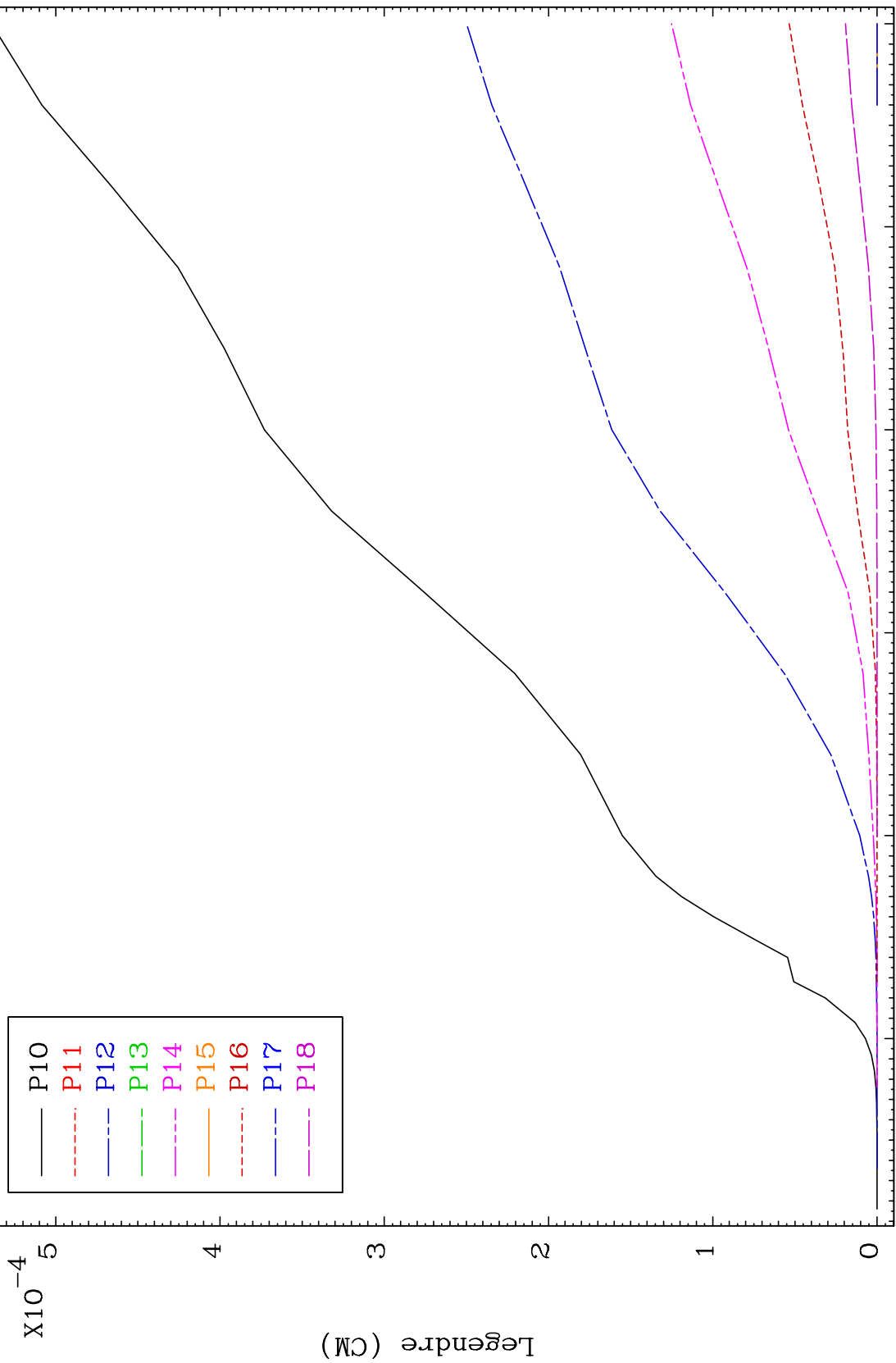
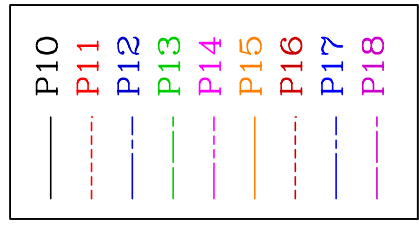




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Elastic Legendre Coefficients

56-Ba-137



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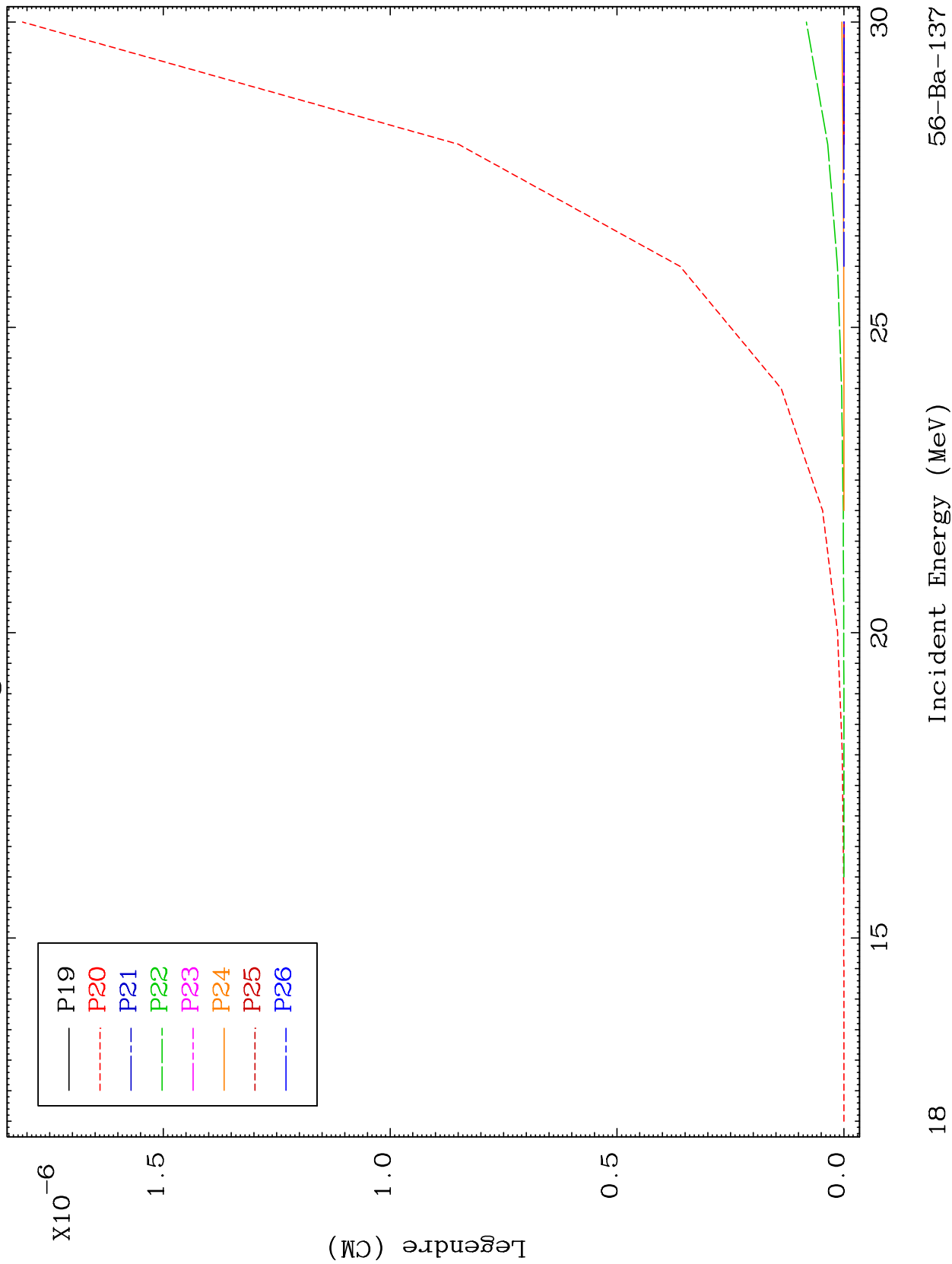
Incident Energy (MeV)

56-Ba-137

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Elastic Legendre Coefficients

56-Ba-137



18

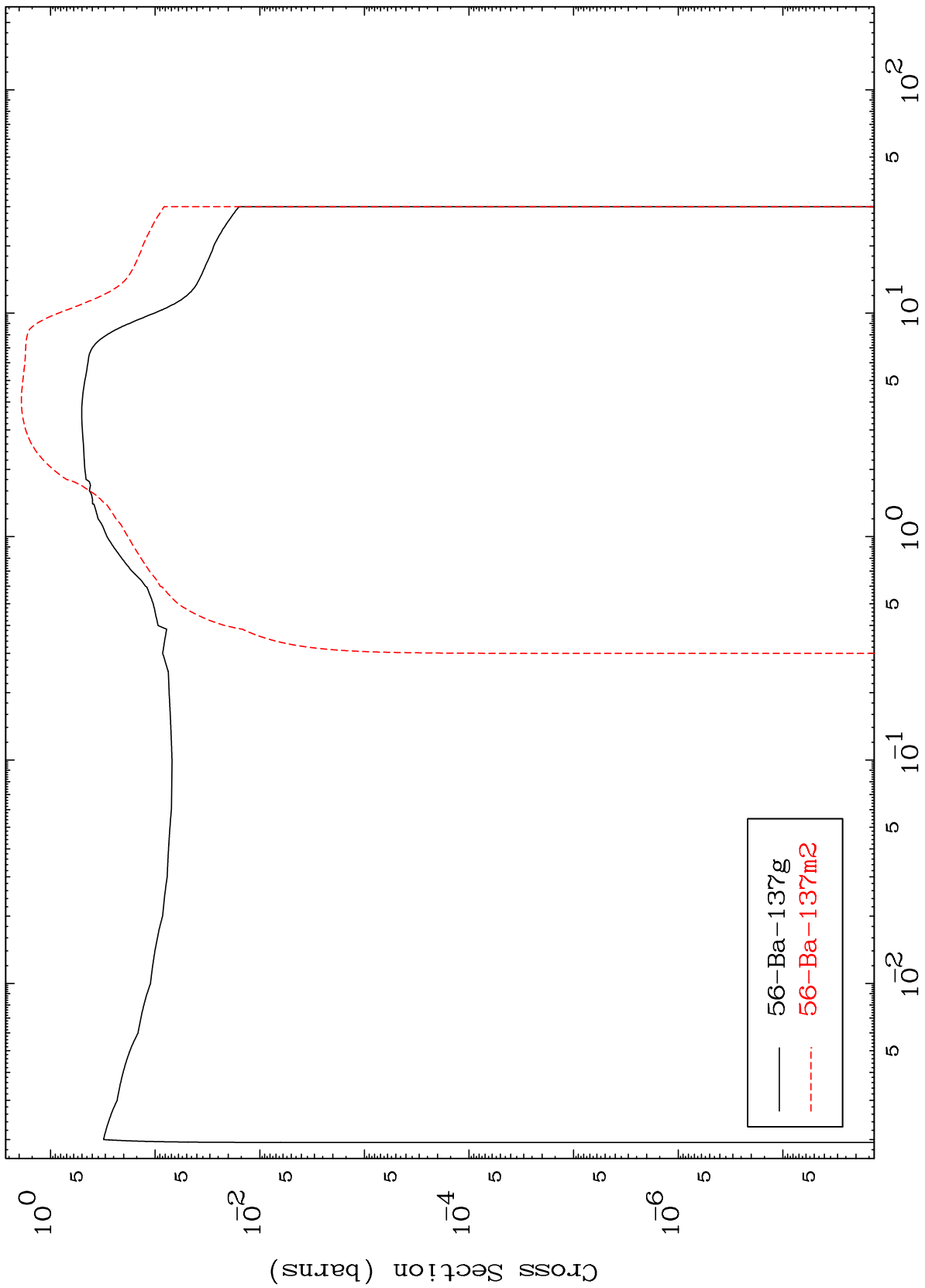
Incident Energy (MeV)

56-Ba-137

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56-Ba-137

Inelastic
Radionuclide Production Cross Section

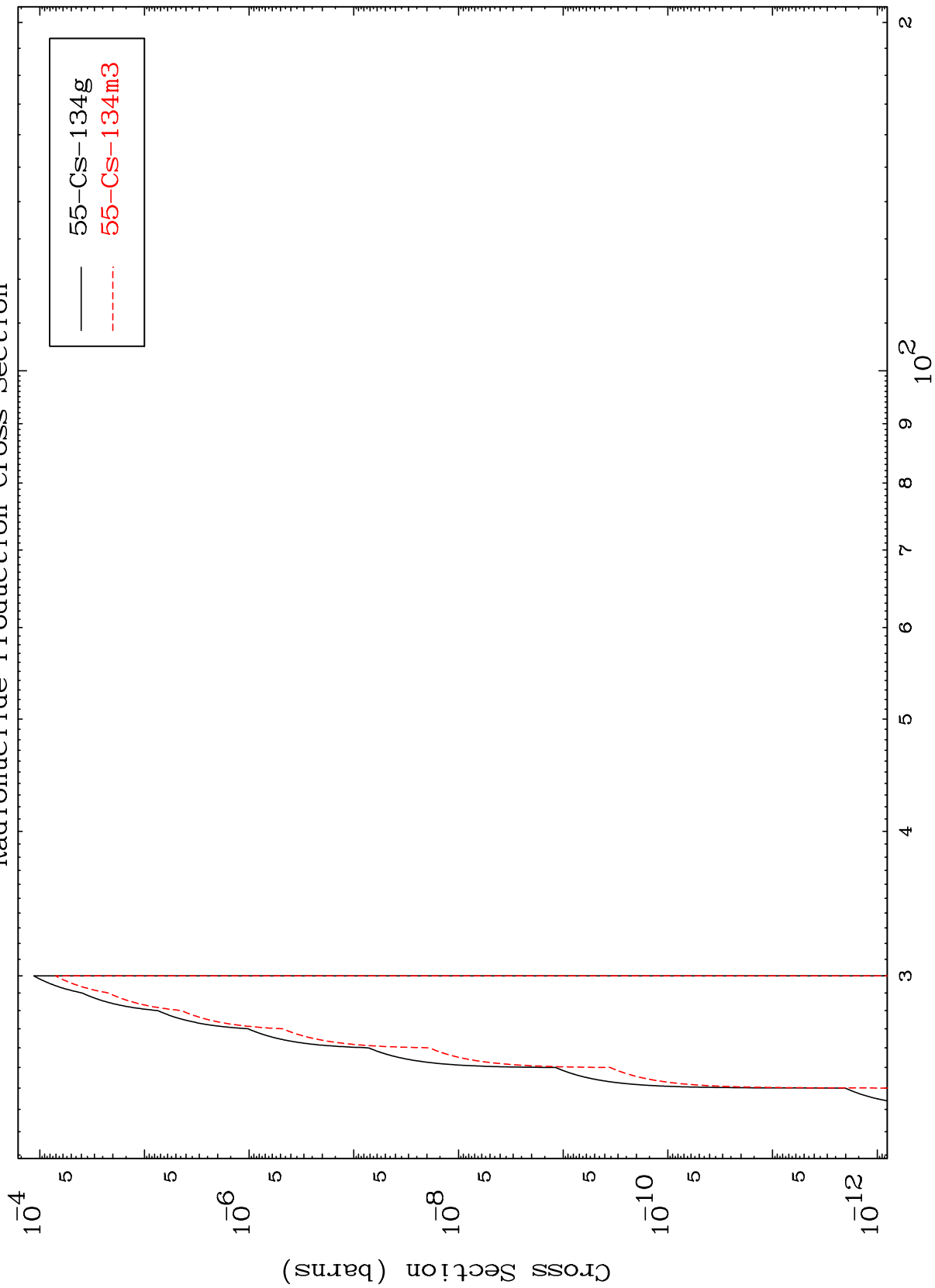


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(n,2n) d

56-Ba-137

Radionuclide Production Cross Section



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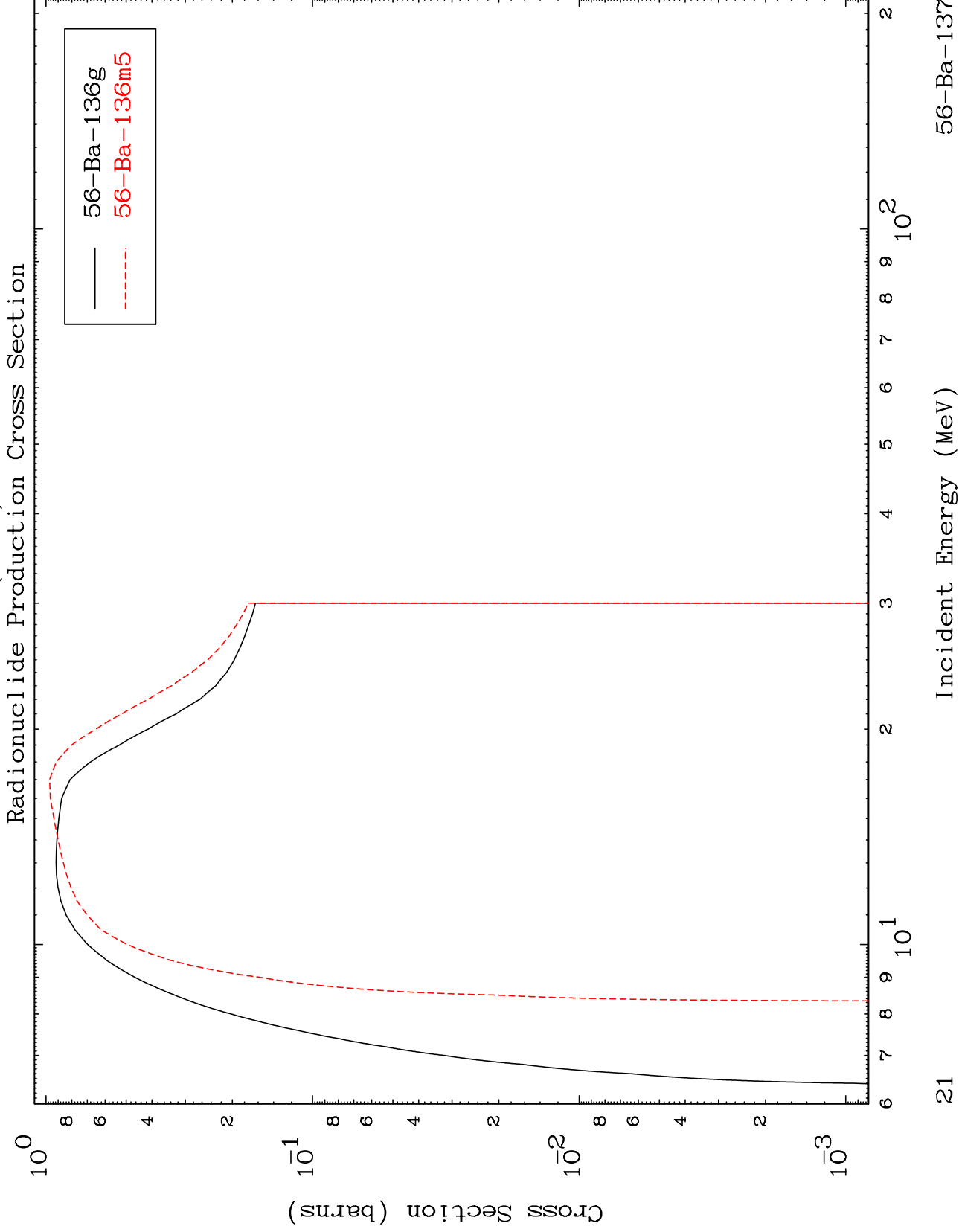
Incident Energy (MeV)

56-Ba-137

MAT 5647

(n,2n)

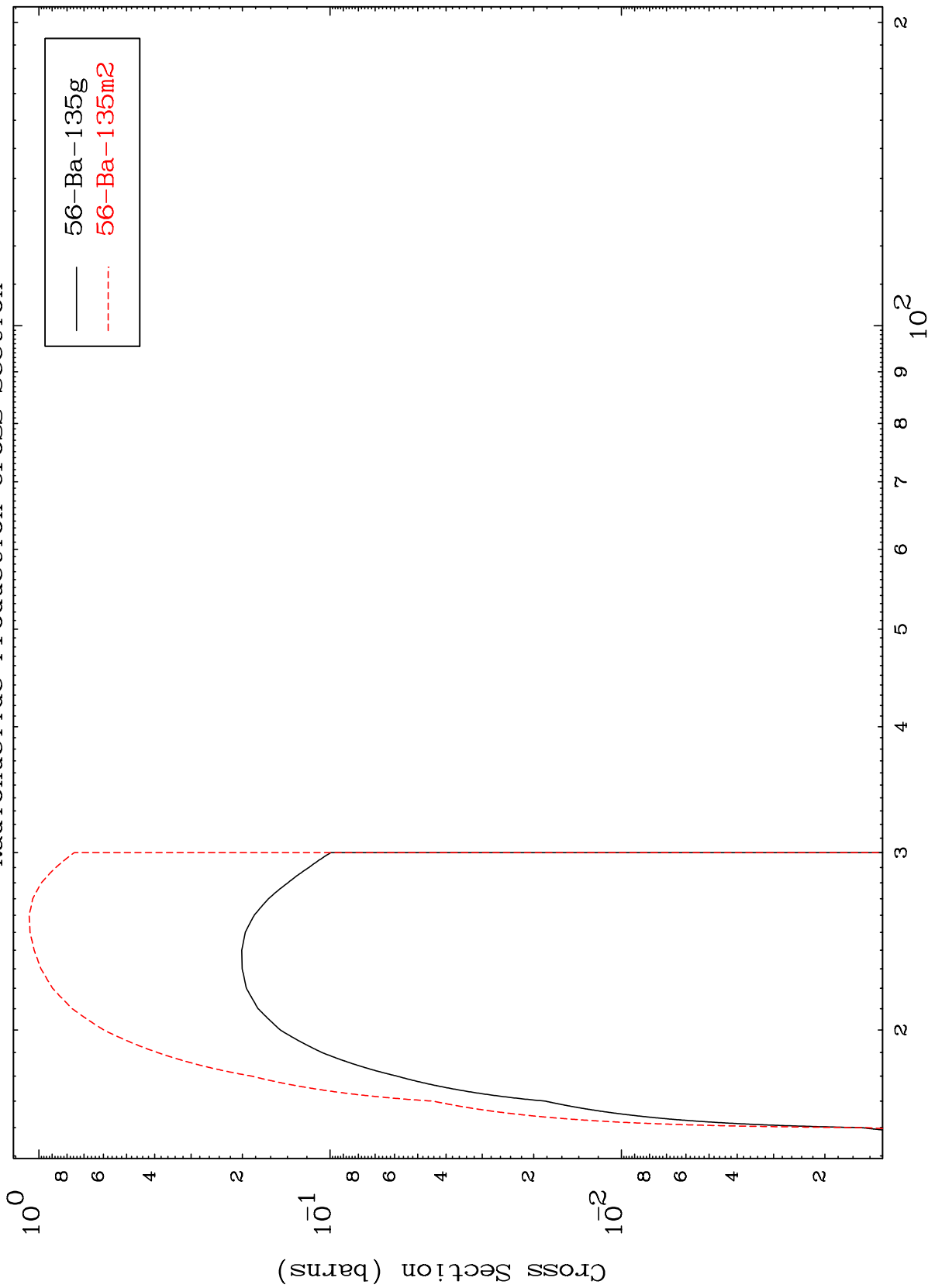
56-Ba-137



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56-Ba-137

(n,3n)
Radionuclide Production Cross Section



56-Ba-137

Incident Energy (MeV)

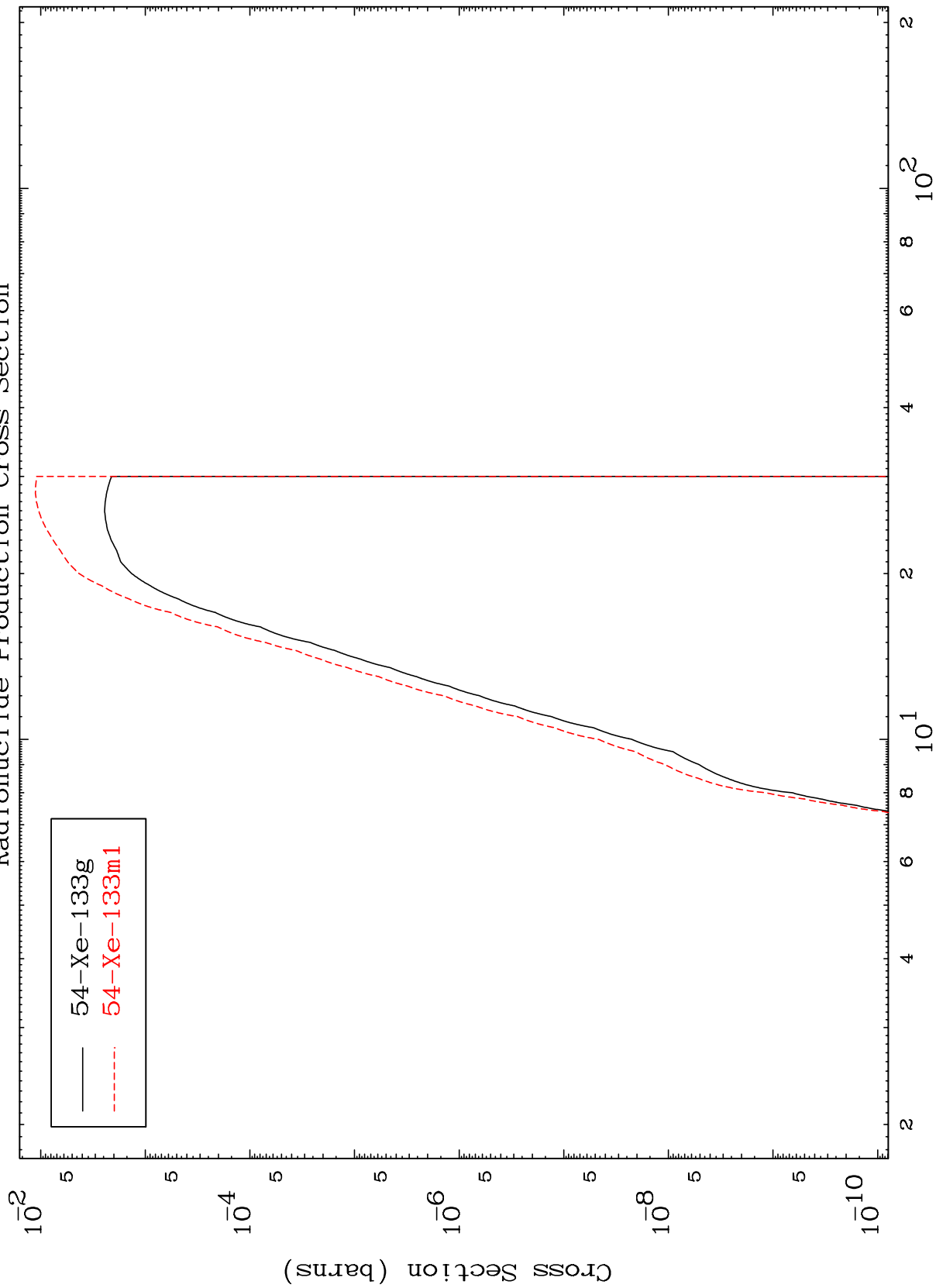
22

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(n,n') α

56-Ba-137

Radionuclide Production Cross Section



54-Xe-133g
54-Xe-133m1

23

Incident Energy (MeV)

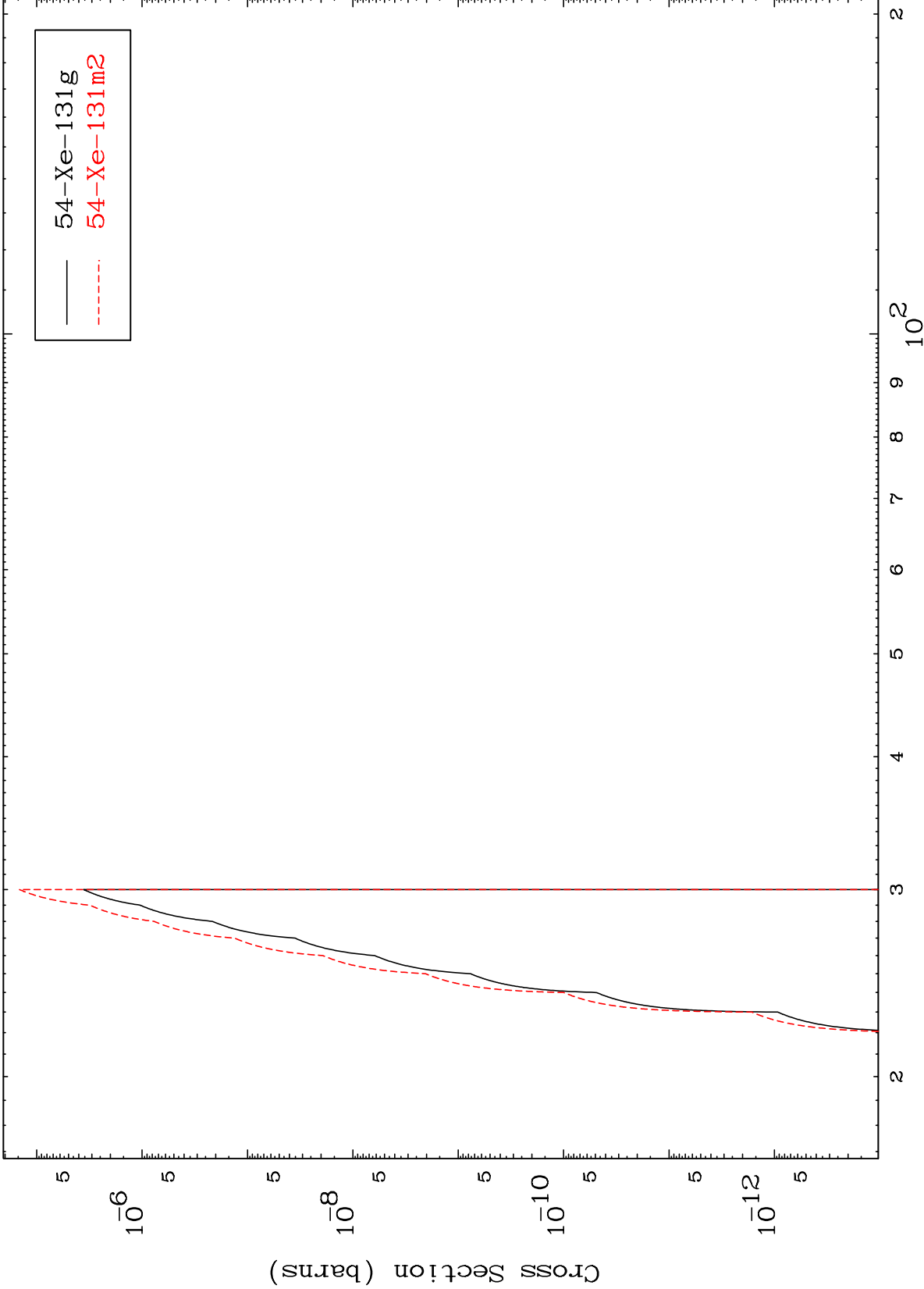
56-Ba-137

MAT 5647

(n,3n) α

56-Ba-137

Radionuclide Production Cross Section



54-Xe-131g
54-Xe-131m2

24

Incident Energy (MeV)

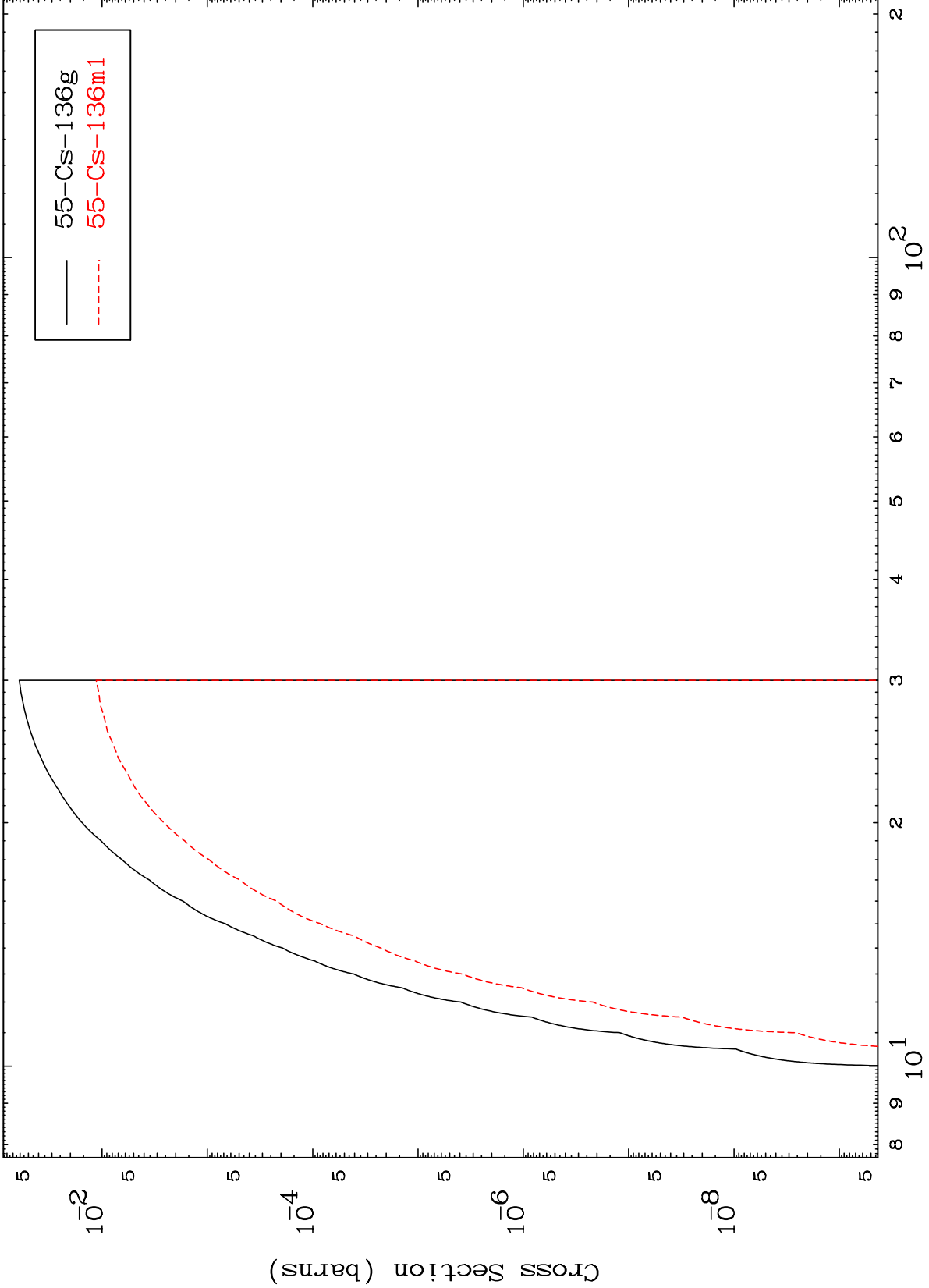
56-Ba-137

MAT 5647

(n,n') p

56-Ba-137

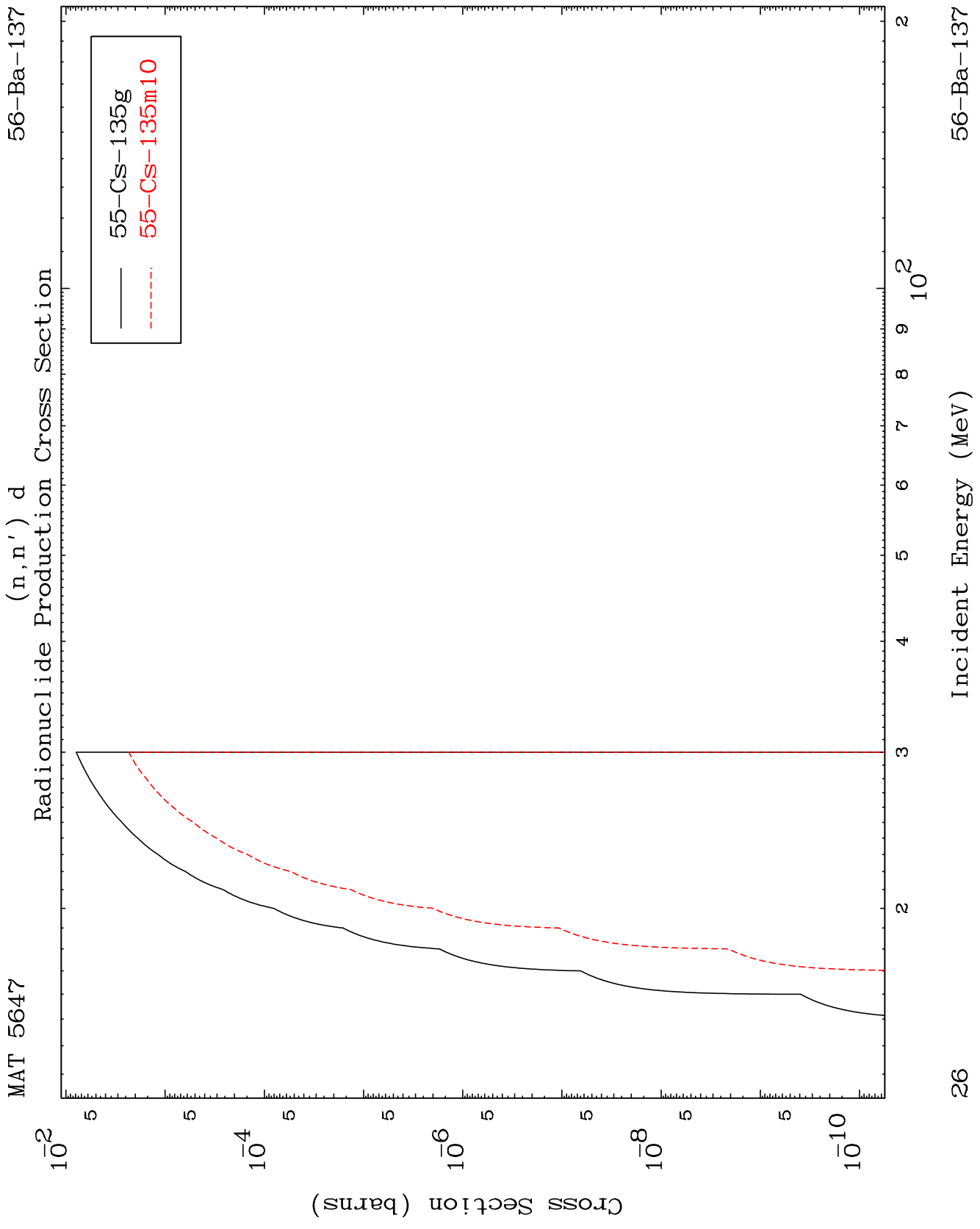
Radionuclide Production Cross Section



25

Incident Energy (MeV)

56-Ba-137

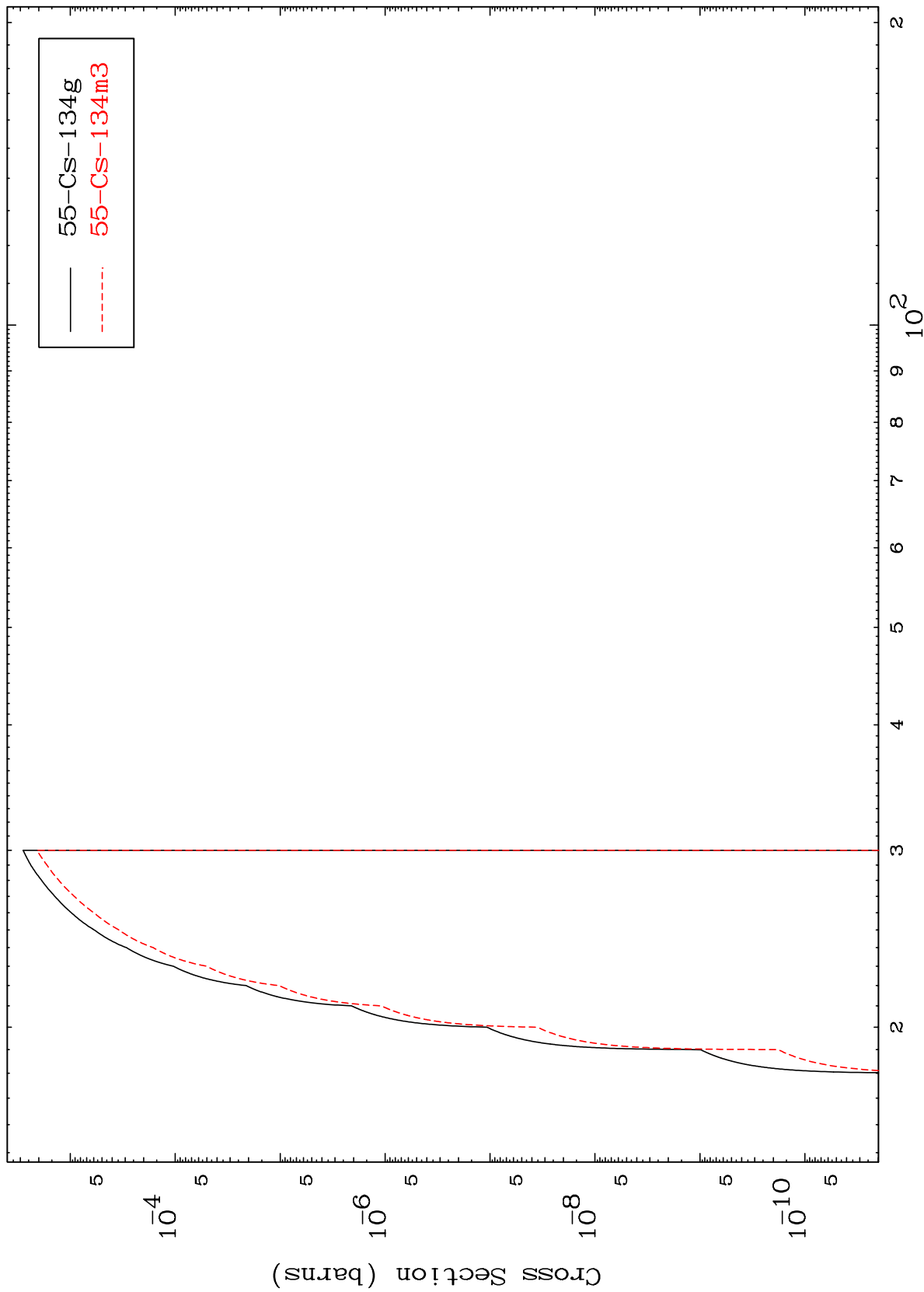


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(n,n') t

56-Ba-137

Radionuclide Production Cross Section



27

Incident Energy (MeV)

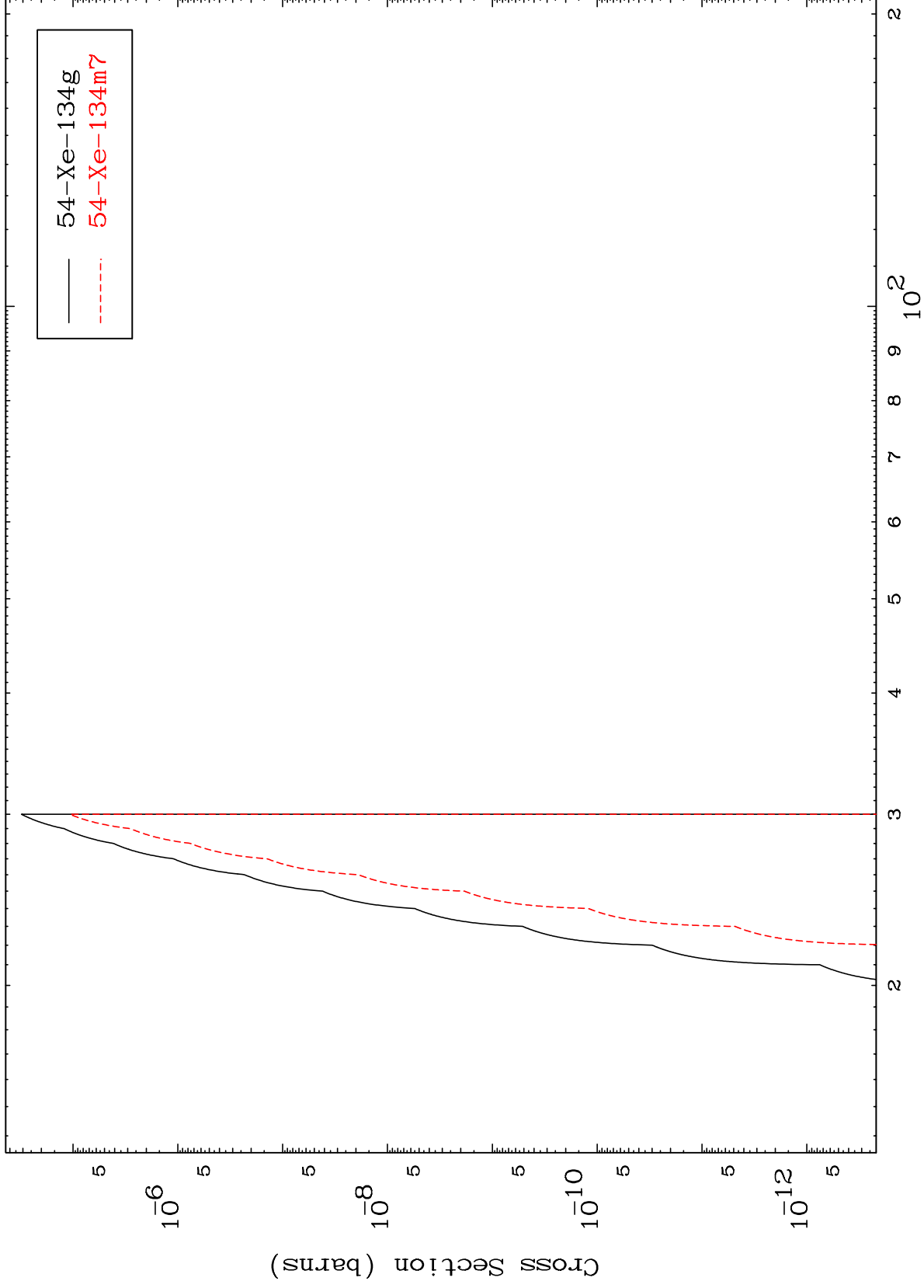
56-Ba-137

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(n,n') He-3

56-Ba-137

Radionuclide Production Cross Section



28

Incident Energy (MeV)

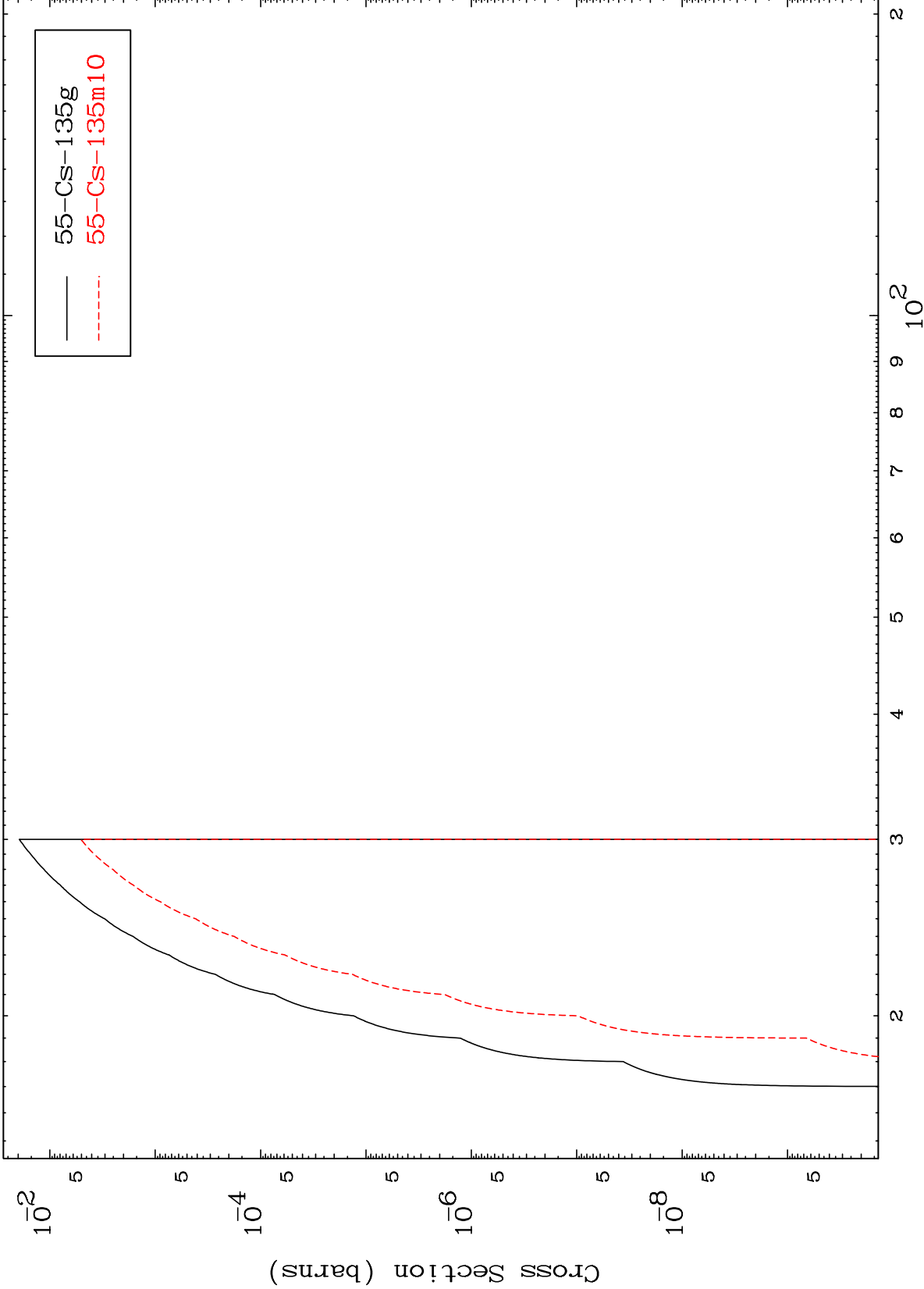
56-Ba-137

MAT 5647

(n,2n) p

56-Ba-137

Radionuclide Production Cross Section



29

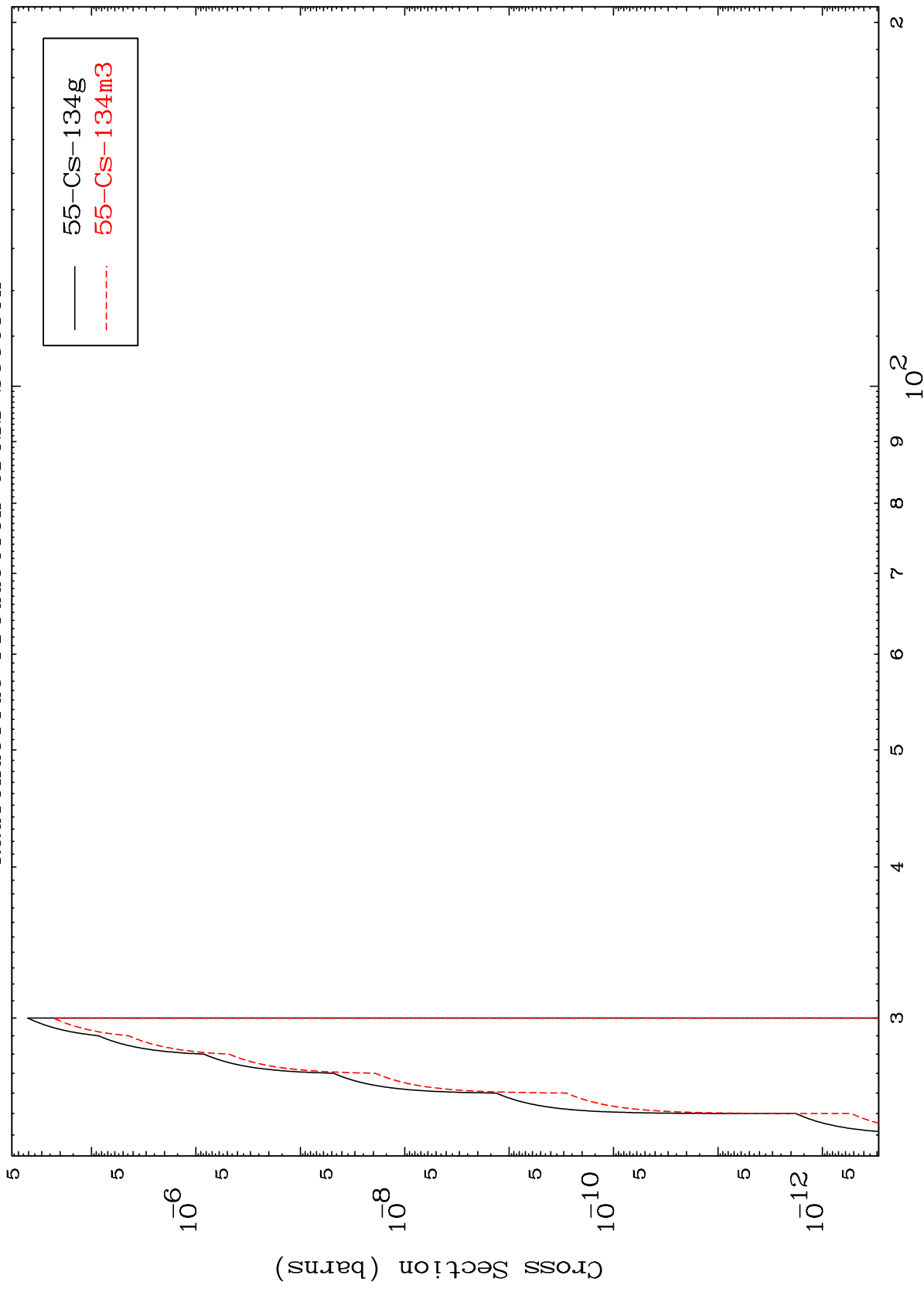
Incident Energy (MeV)

56-Ba-137

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56-Ba-137

(n,3n) p
Radionuclide Production Cross Section



56-Ba-137

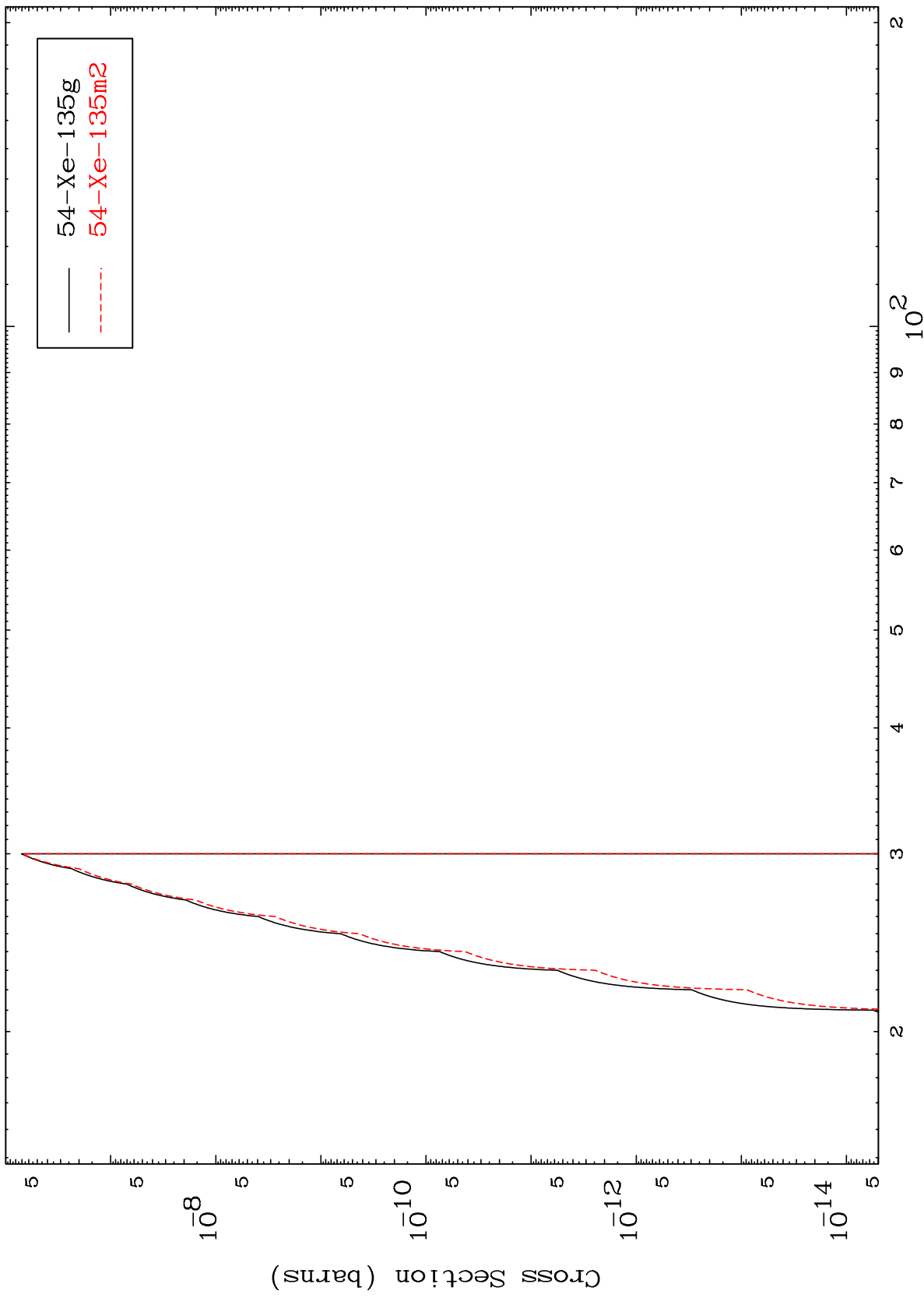
Incident Energy (MeV)

30

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56-Ba-137

(n,2n) p
Radionuclide Production Cross Section



31

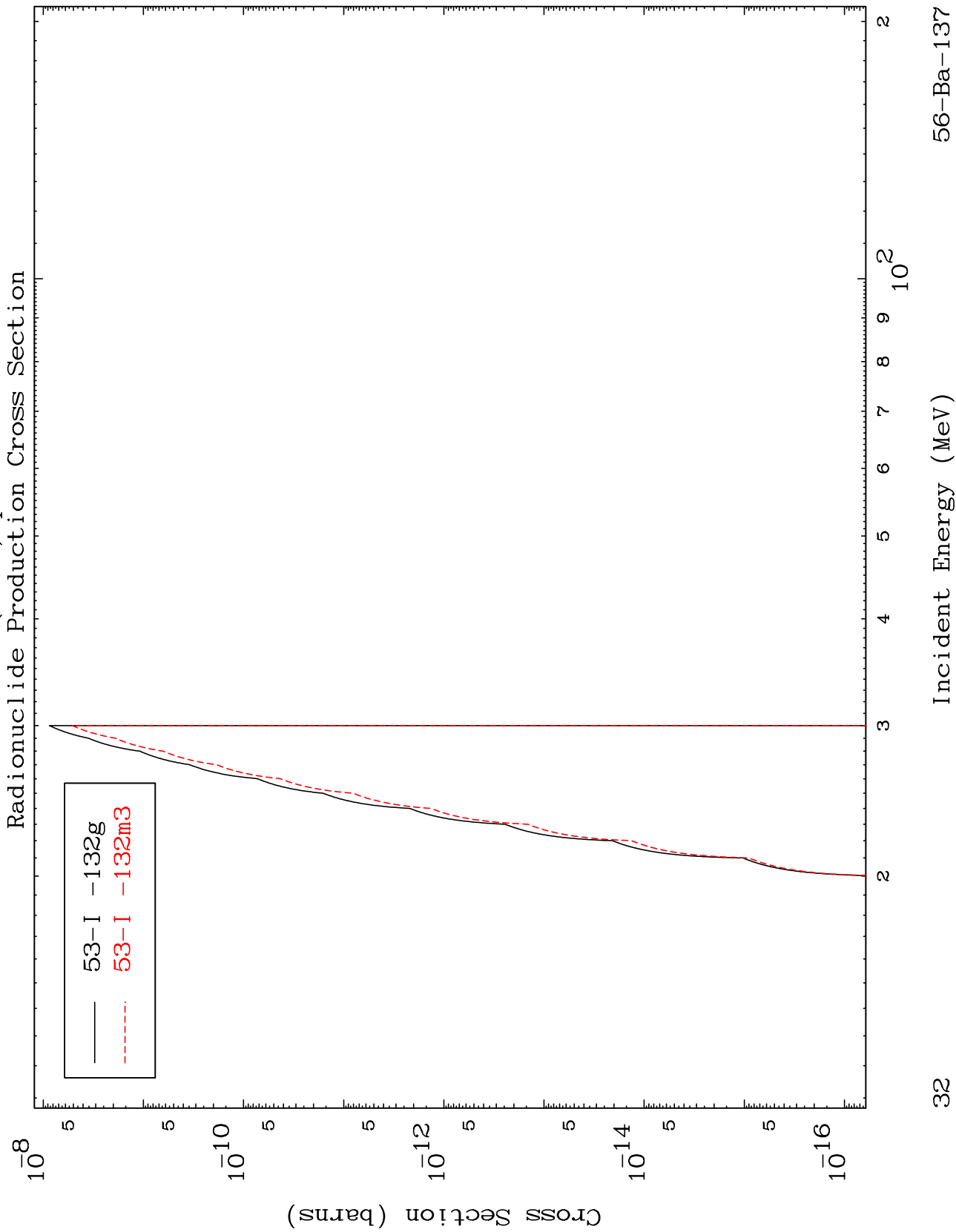
Incident Energy (MeV)

56-Ba-137

MAT 5647

(n,n') p α

56-Ba-137



32

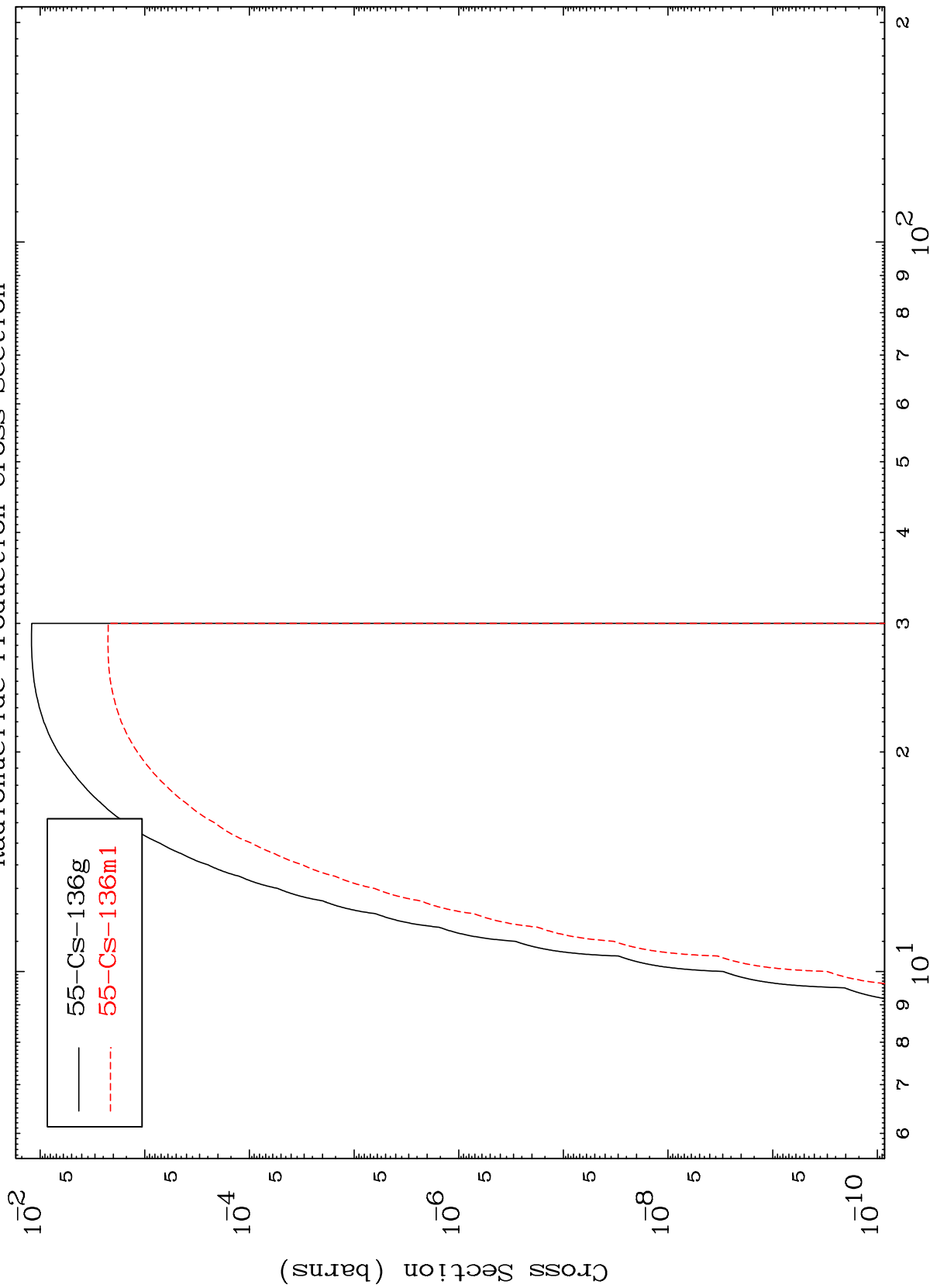
56-Ba-137

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(n,d)

56-Ba-137

Radionuclide Production Cross Section



Incident Energy (MeV)

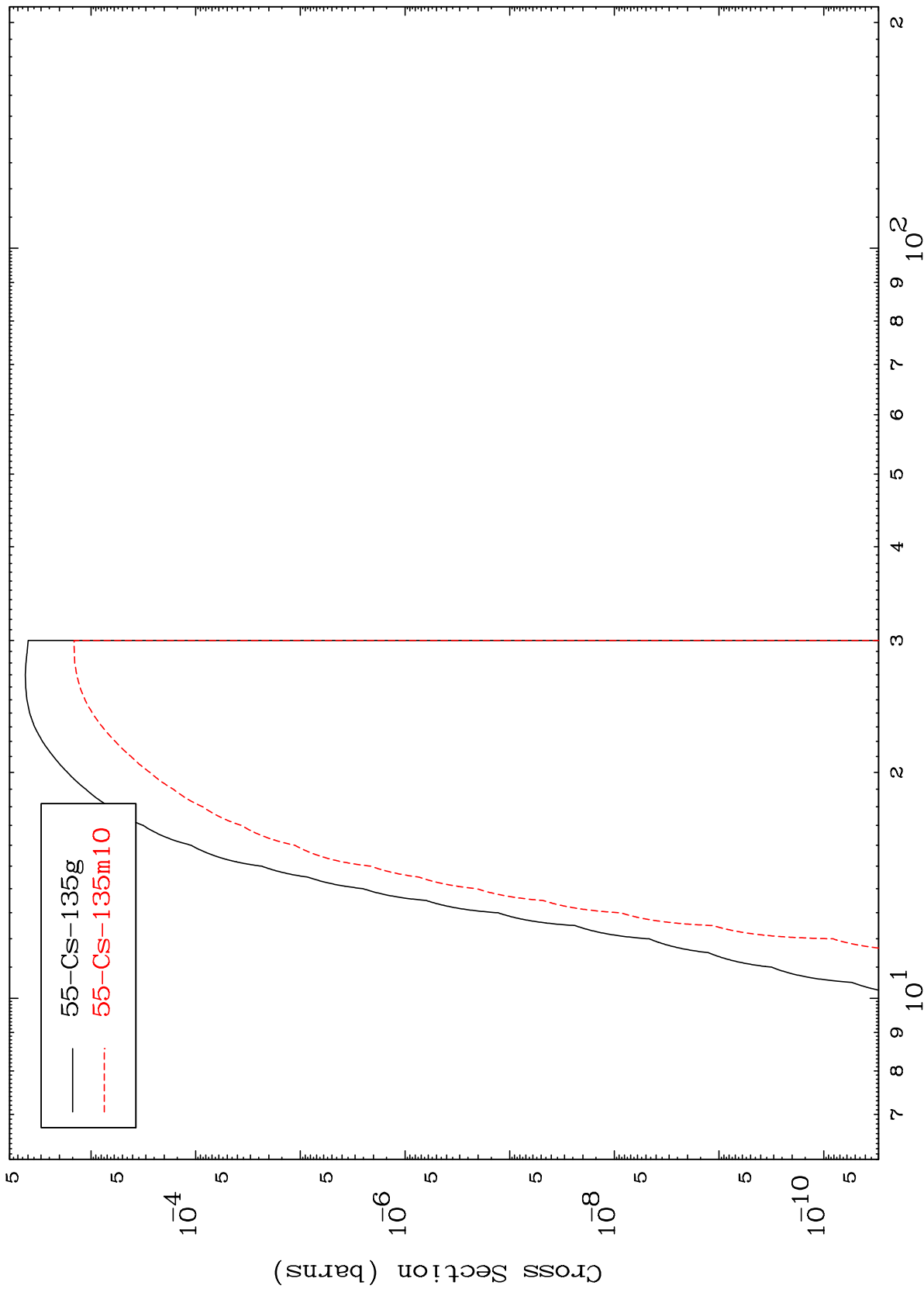
56-Ba-137

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56-Ba-137

(n,t)
Radionuclide Production Cross Section



56-Ba-137

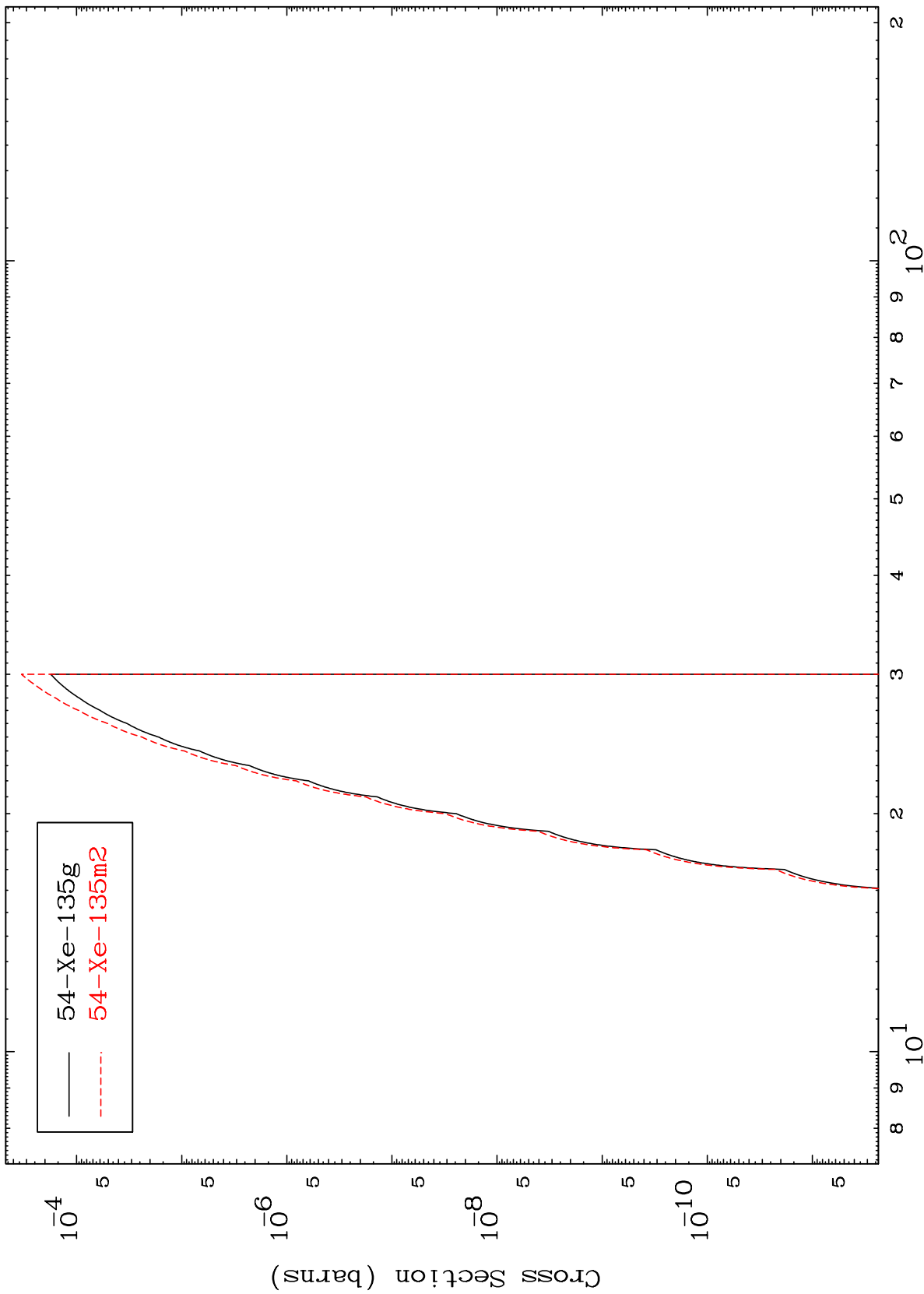
Incident Energy (MeV)

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56-Ba-137

(n,He-3)
Radionuclide Production Cross Section



35

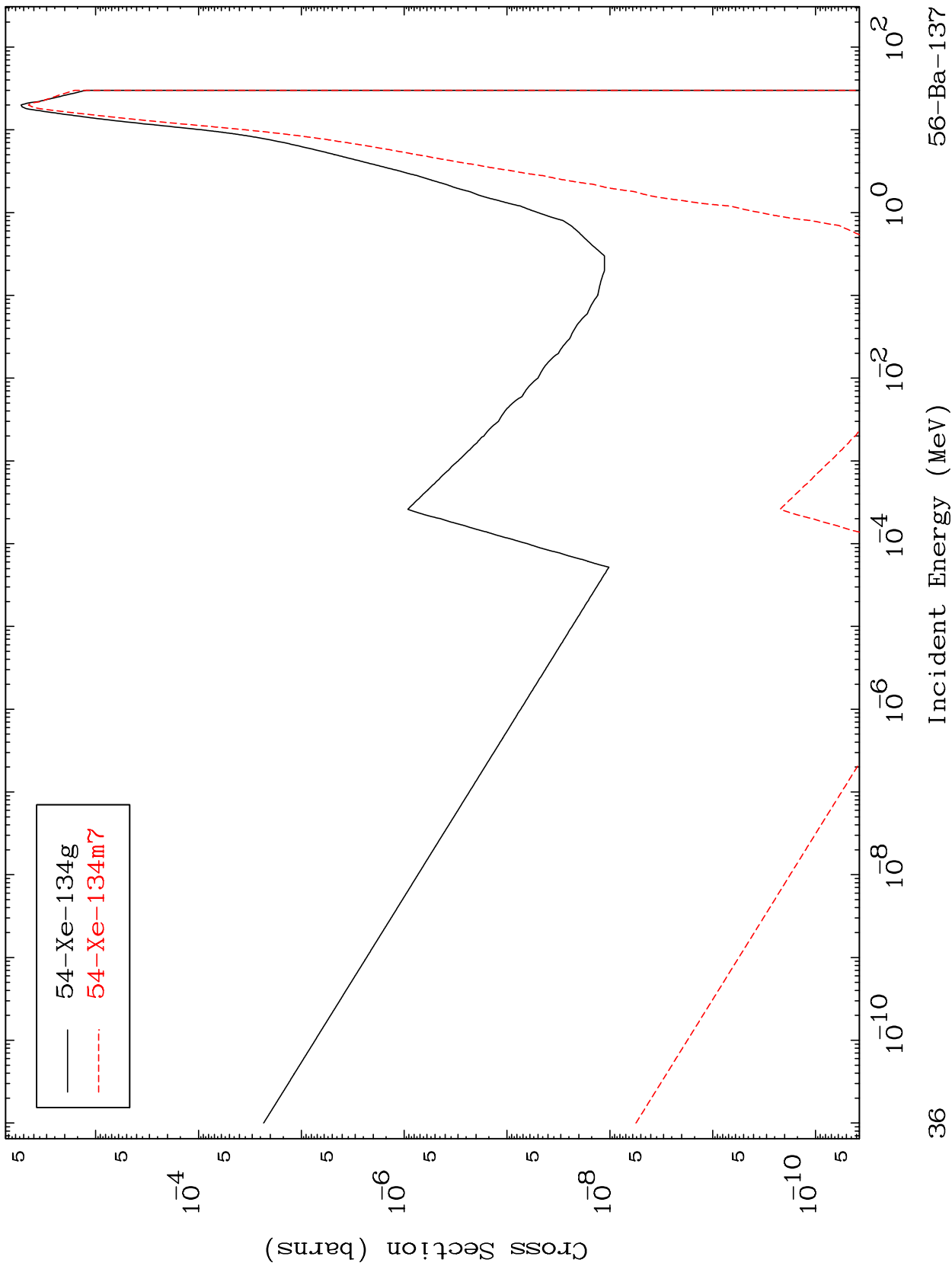
Incident Energy (MeV)

56-Ba-137

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56-Ba-137

(n, α)
Radionuclide Production Cross Section



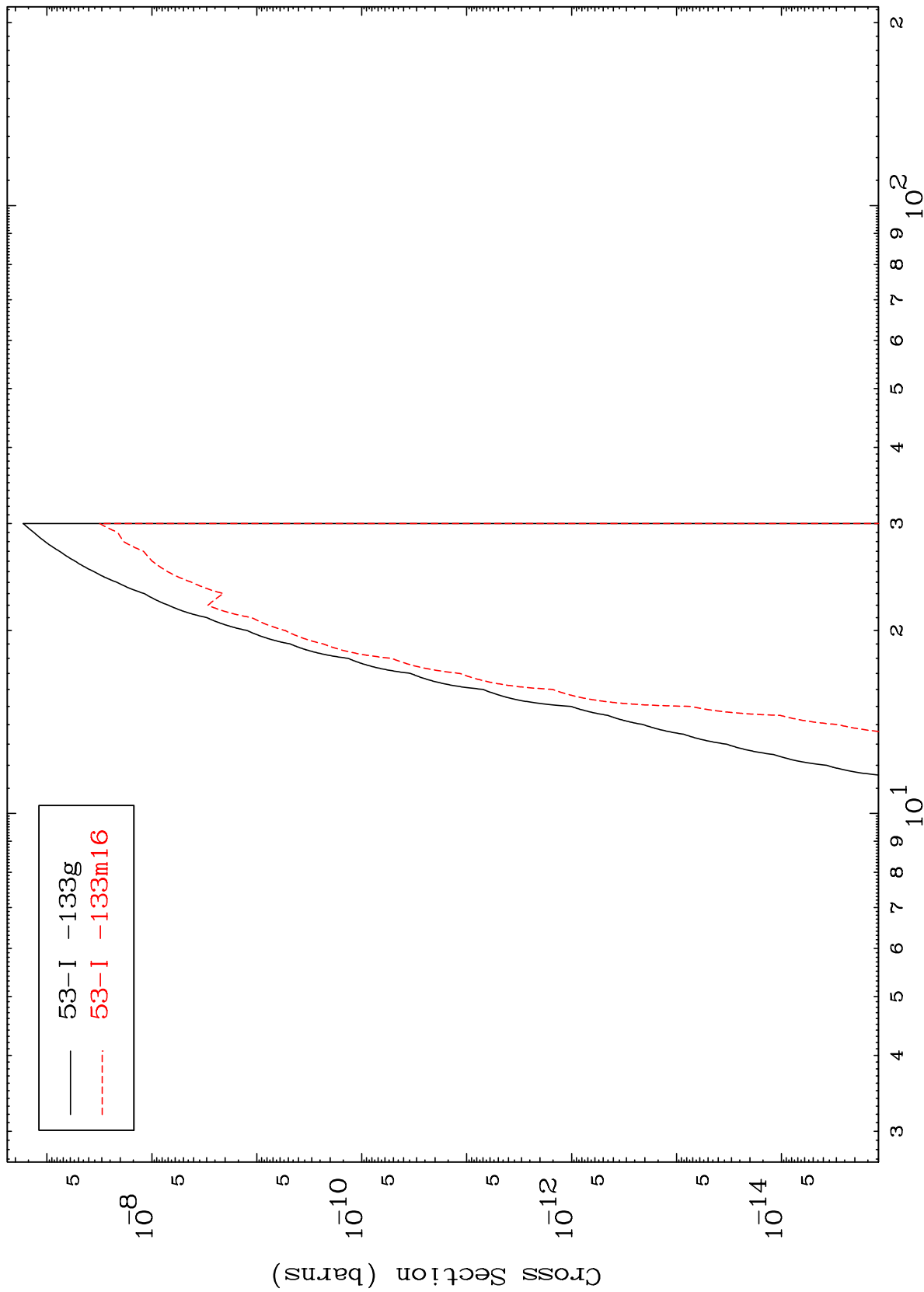
36

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(n,p) α

56-Ba-137

Radionuclide Production Cross Section



37

Incident Energy (MeV)

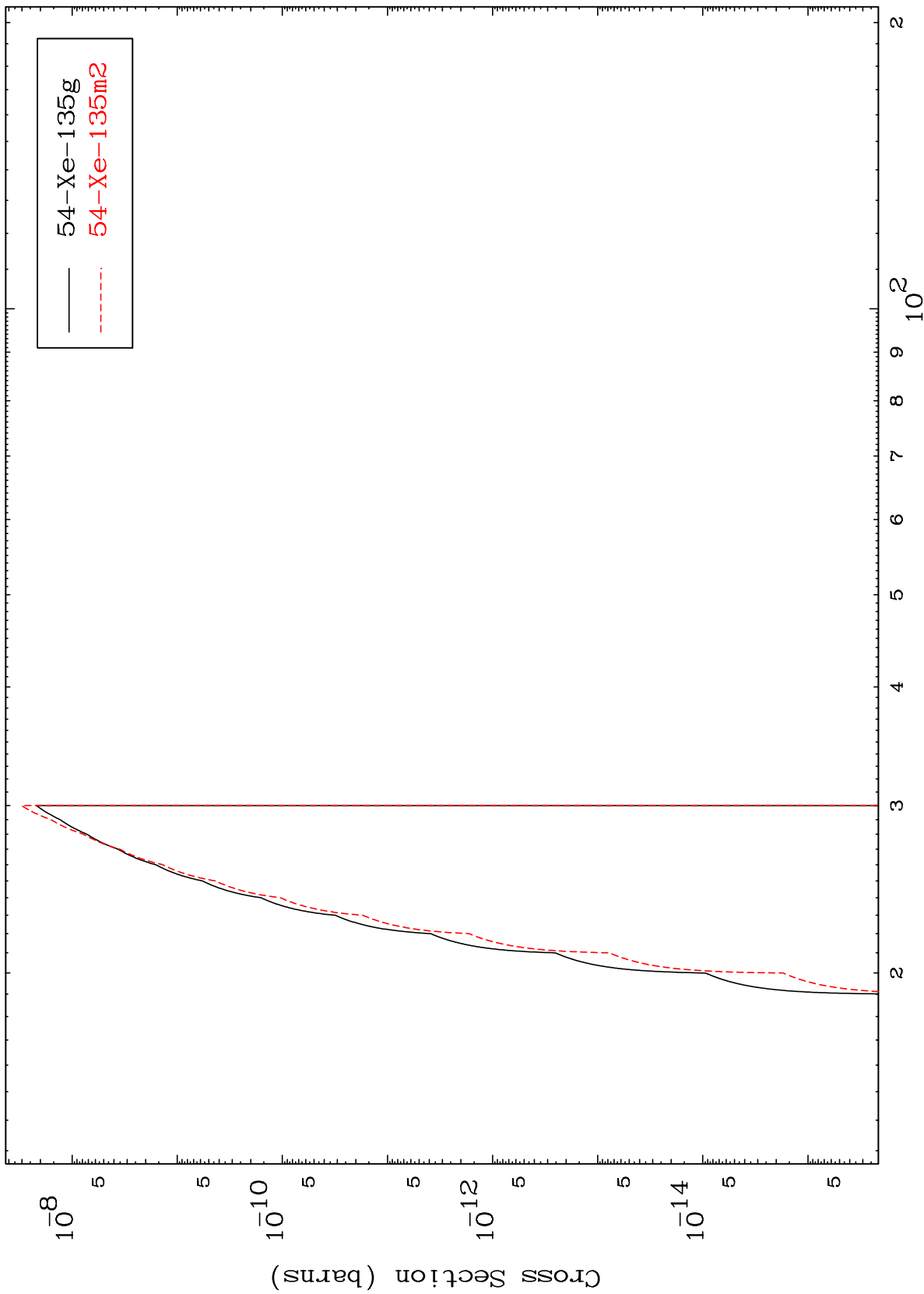
56-Ba-137

MAT 5647

(n,p) d

56-Ba-137

Radionuclide Production Cross Section



38

Incident Energy (MeV)

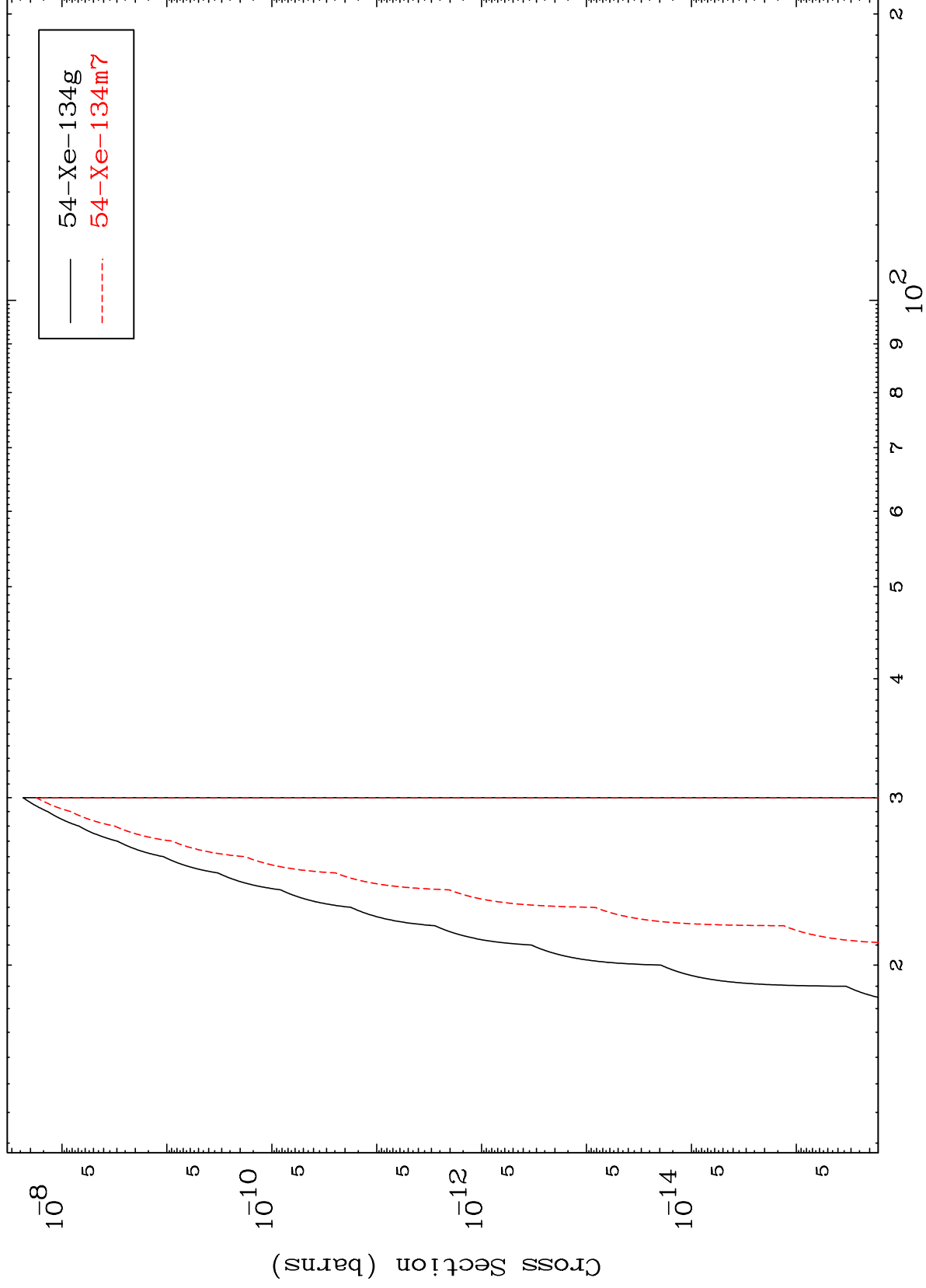
56-Ba-137

MAT 5647

(n,p) t

56-Ba-137

Radionuclide Production Cross Section



39

Incident Energy (MeV)

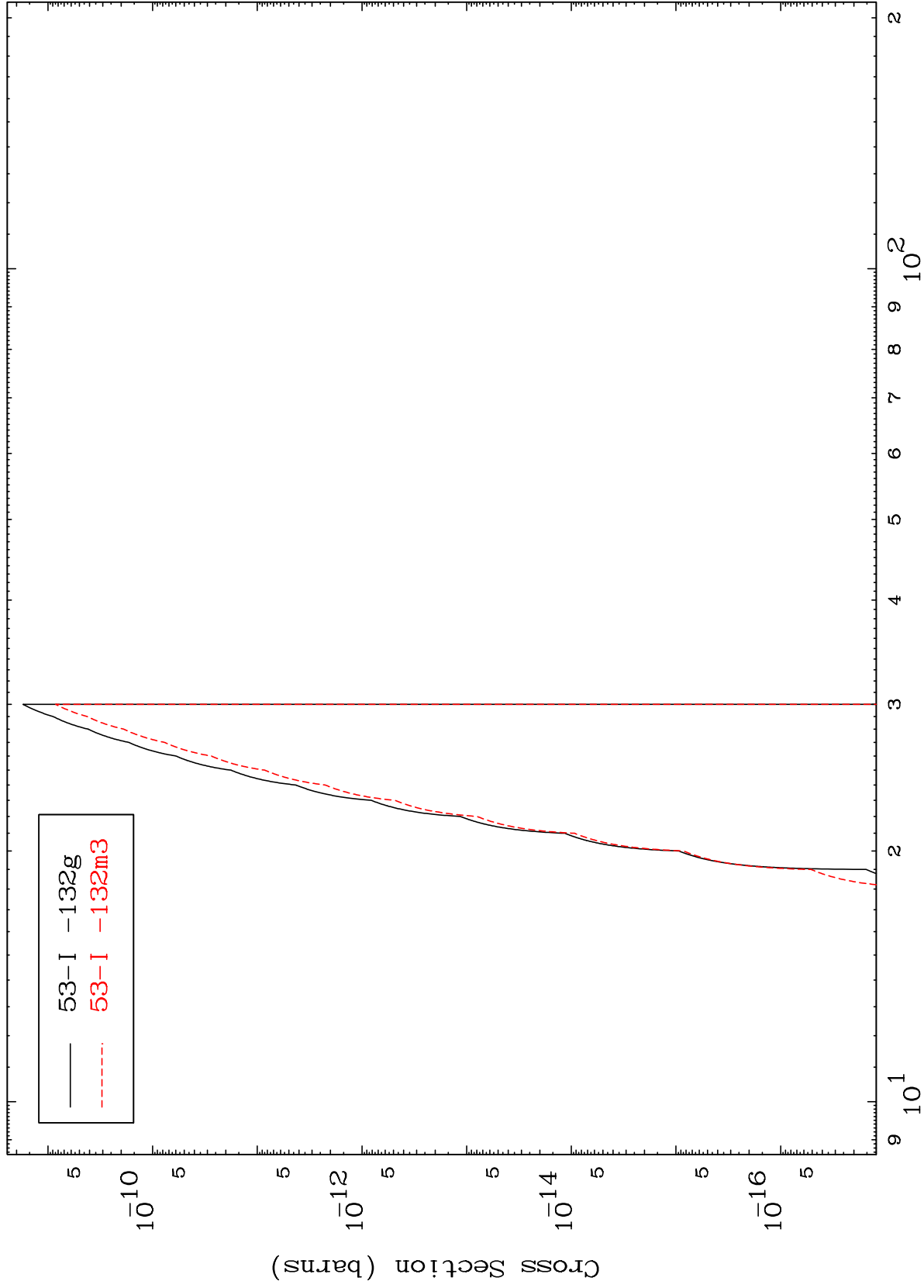
56-Ba-137

MAT 5647

(n,d) α

56-Ba-137

Radionuclide Production Cross Section



Incident Energy (MeV)

56-Ba-137