

VOIDS MEASUREMENTS IN CONCRETE USING
GAMMA RAY BACKSCATTER TECHNIQUES



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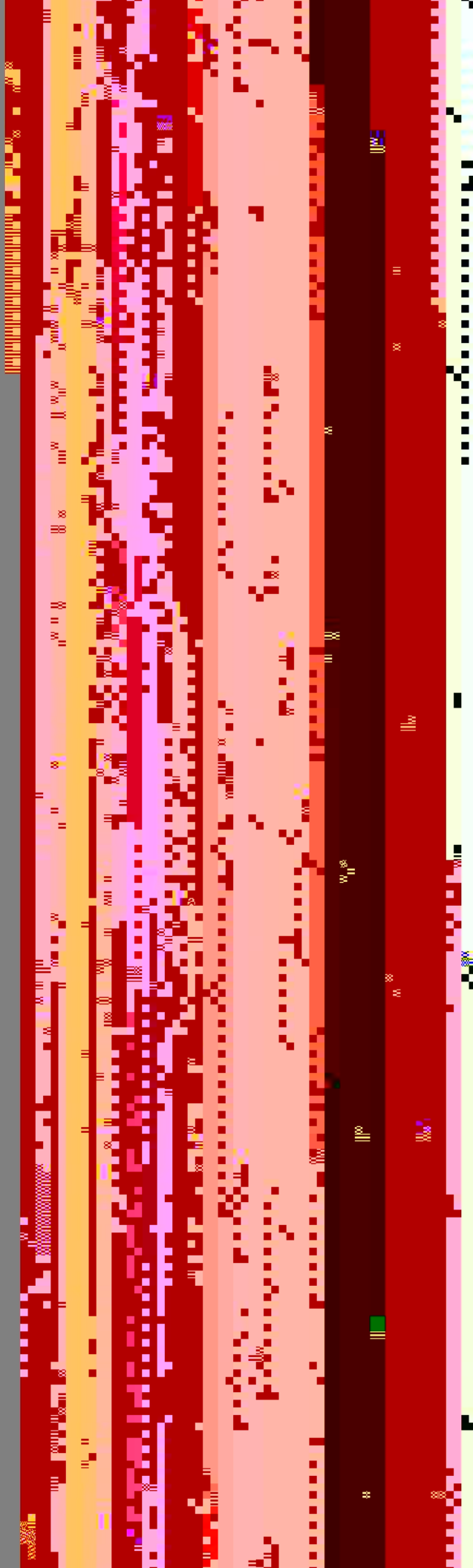
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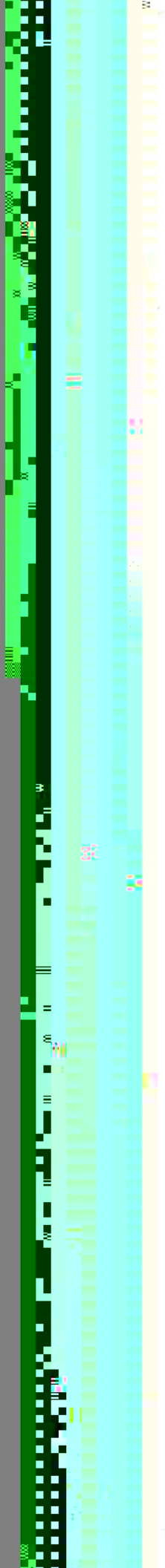
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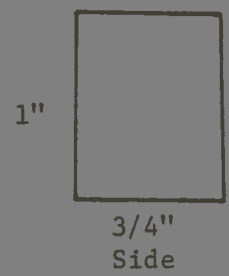
Table 3-2
Shield Design Measurements

In Sample	Counts/Minute Photopeak	Counts/Minute Backscatter Region
Cylinder	3842	75172
Cone-1	2448	42418
Cone-2	3545	82330

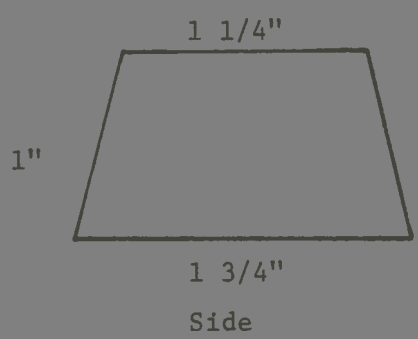
Figure 3-1

Shield Design

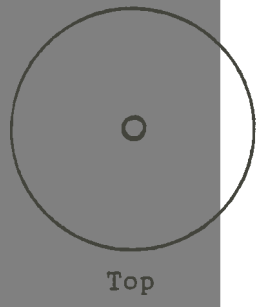
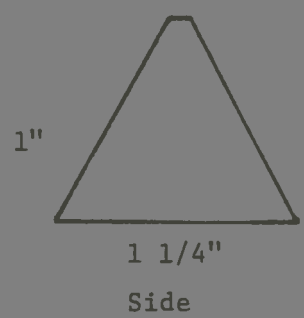
Shield 1



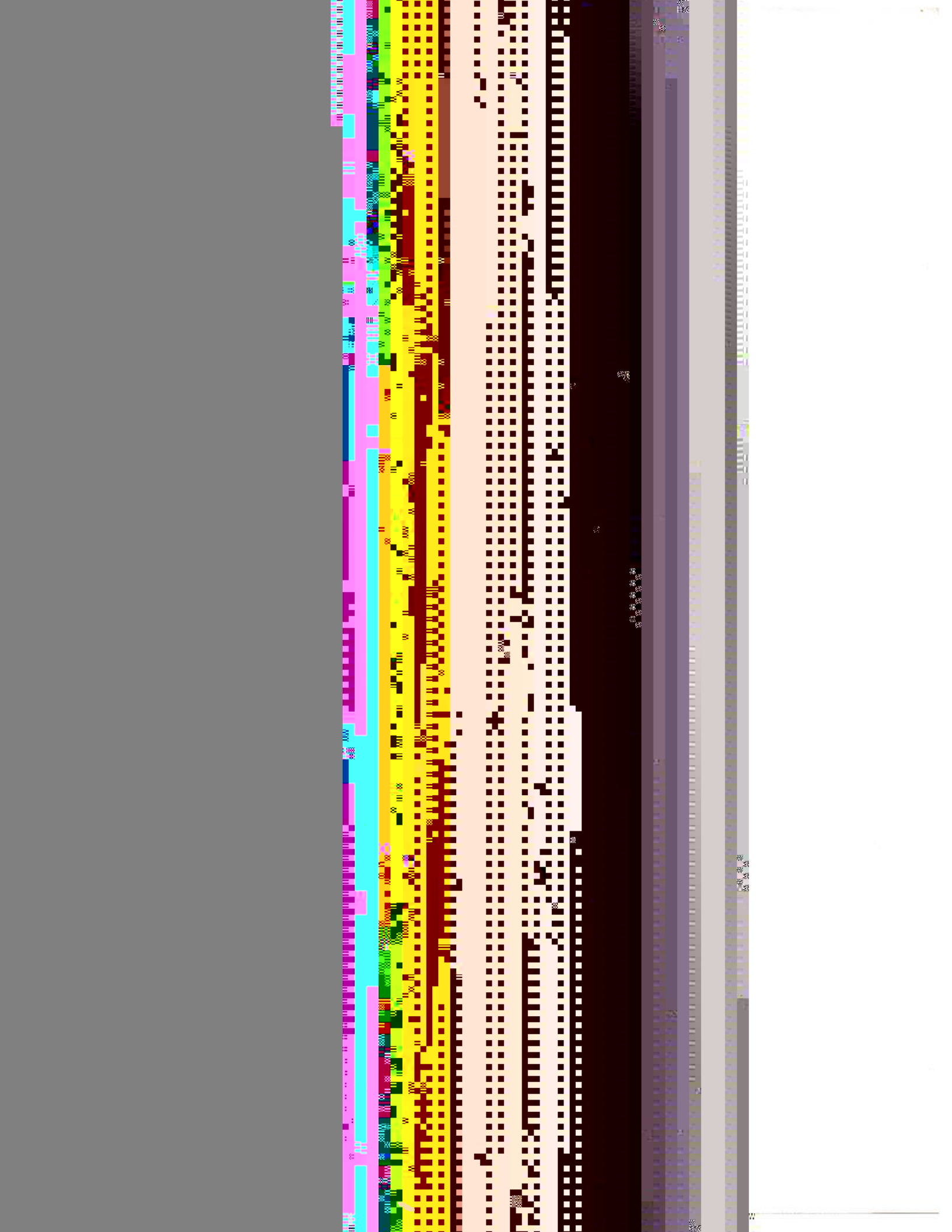
Shield 2



Shield 3







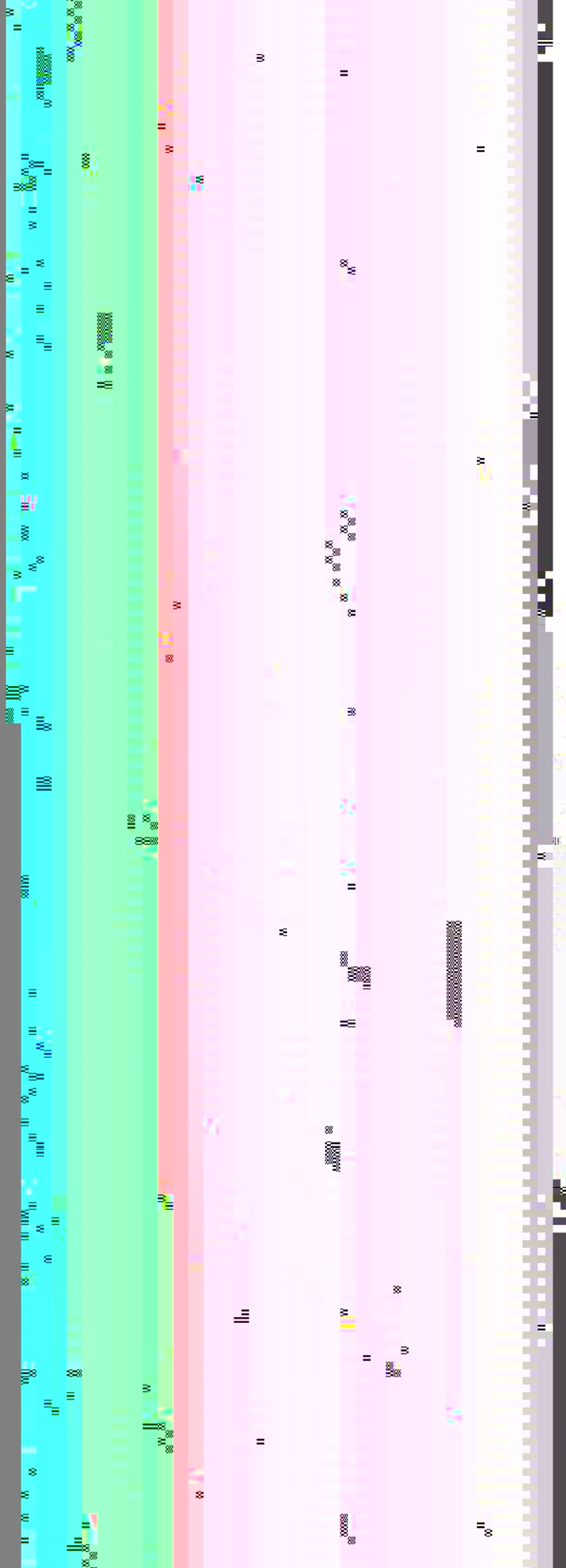


Figure 4-1

Density Curves

Uniform Density Blocks

Density Determined by Weight and Volume Relationship





Figure 4-3

Density Curves

The Block in Position 4 was Varied

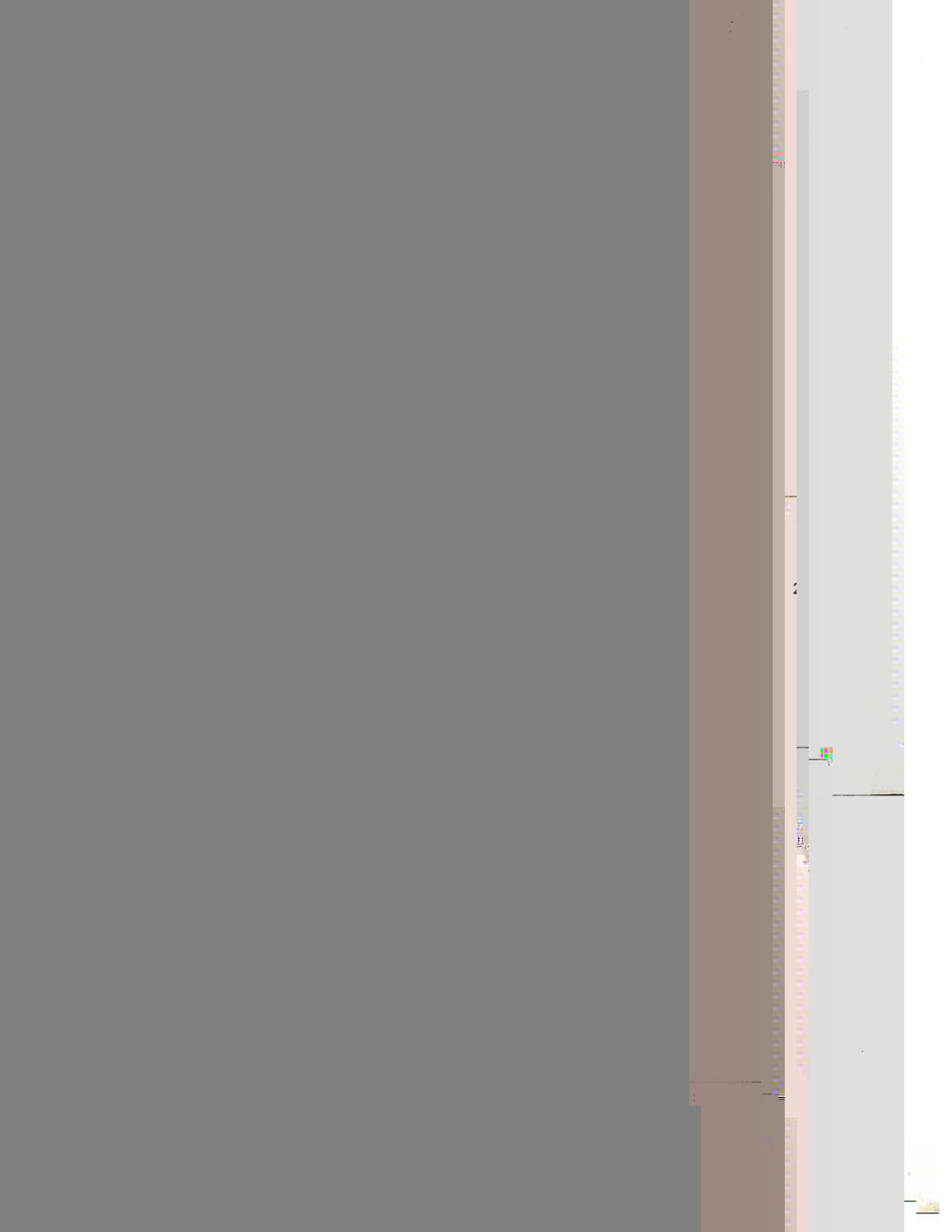




Figure 5-1

Klein-Nishina Cross Sections

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