

LESB Secondary Intensity vs. C.Target Material

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A series of targets were tried at the "C" slow beam target station. The secondary flux was measured in the LESP. The results indicate:

- 1) Iridium and Heavy metal targets produce about equal flux.
- 2) Copper target flux is about half.
- 3) 0.2" dia x 3" long targets produce ~30% more flux than 0.1" dia x 2 1/2" targets with no loss in purity of ~~the~~ the K to γ ratio.
- 4) The heat sink mounted on the far side of the target from the LESP does not increase the γ contamination in the beam.