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Title: Split Imaging Spectrometer Ray Trace Summary

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Split Imaging Spectrometer Ray Trace Summary

J.D. Hager

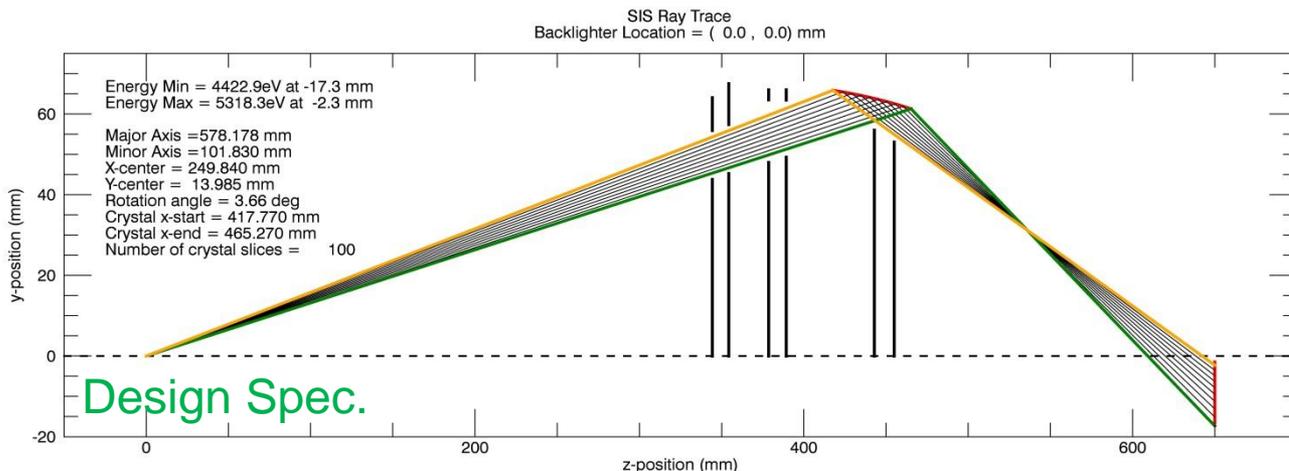
02/03/14

UNCLASSIFIED





SIS has not performed as predicted by ray tracing on experiments at OMEGA and TRIDENT.

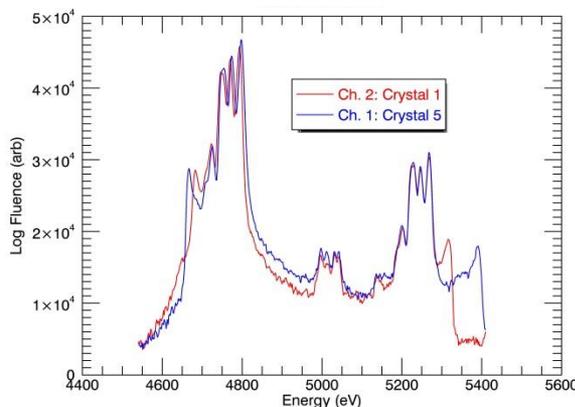
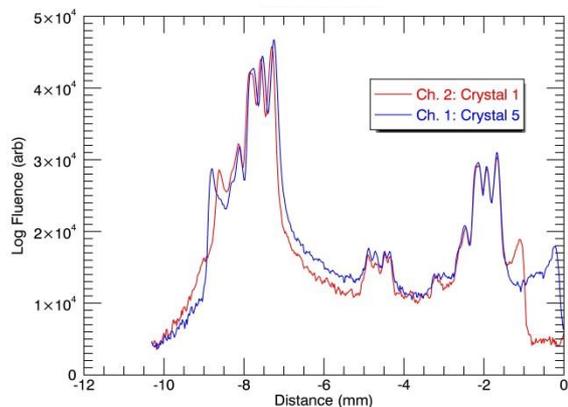


Ray Trace

$$-2.3 \text{ mm} > y_{im} > -17.3 \text{ mm}$$

$$5318 \text{ eV} > E > 4423 \text{ eV}$$

Trident Data (Ti-V Foil)



Crystal 1

$$-1.1 \text{ mm} > y_{im} > -8.6 \text{ mm}$$

$$5300 \text{ eV} > E > 4650 \text{ eV}$$

Crystal 5

$$0 \text{ mm} > y_{im} > -9 \text{ mm}$$

$$5400 \text{ eV} > E > 4650 \text{ eV}$$

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