

Update on
Step IV Emittance Study

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Analysis Meeting, 9 Jan 2013

Today's Menu:

*An overview of the plan/
what to expect in the next meetings.*

Liaising with Victoria to complete a Step IV emittance study which includes some intermediate measurements with different sub-configurations.

Crawling towards Step IV

Geometry	Diffuser	Absorber	Sol. Fields	Analysis Goal
a	No	No	No	Measure transmission between trackers and mcs in the detectors.
b	Yes	No	No	Measure mcs in the diffuser.
c	No	Yes	No	Measure mcs in the absorber.
d	No	No	Yes	Measure transmission between trackers.
e	Yes	Yes	Yes	Measure transverse cooling.

Table 7.1: Geometry stages towards a complete Step IV and intermediate analysis goals.

Before the complete Step IV setup, there's room for measurements of multiple scattering and particle transmission - all useful for good understanding of the experiment.

complete Step IV