

	Loss source	H1 experiment		Near term goal (6dB)	Longer term goal (10 dB)	Dreaming(15dB)
1	OPO escape efficiency	96%		98%	99%	99.8%
2	Injection path optics		80%	99.7%	99.7%	99.99%
3	viewport	99.8%		99.8%	99.8%	99.99%
4	3 faraday passes	94%, 94%, unknown		97% each (aLIGO input Faradays)	99% each	99.7 % each
7	RF pick off beamsplitter (beam for ISCT4)	98.8%		99%	99.5%	99.8%
5	Reflection off of Signal recycling cavity@100 Hz	arm cavity and michelson =98%		97.5%(T _{sr} m=35%)	99.2% (T _{sr} m=50%)	99.5%
6	Circulator for filter cavity	NA		98%	99.5%	99.8%
8	Squeezer mode matching to OMC	71% (inferred from total)		96%	98%	99.7%
10	OMC transmission	82%		97%	99.5%	99.7%
11	QE of PDs			99%	99.7%	99.99%
	Total efficiency (escape * detection)	40-45%		77.6%	91.3%	97.4%
	Total phase noise allowable			17mrad	7 mrad	2.5 mrad
	Measured squeezing (dB)			6	10	15.25

For numbers in the H1 column- red numbers were measured during the experiment, numbers in black were made before installing components or estimates of losses that were too small compared to the total to measure accurately with the uncertainty in our measurements.