

	Loss source	Near term goal (6dB)	Longer term goal (10 dB)	Dreaming(15dB)	<i>H1 test</i>
1	OPO escape efficiency	96%(H1 OPO)	99%	99.8%	96%
2	Injection path optics	99.7%	99.7%	99.99%	
3	viewport	99.8%	99.8%	99.99%	99.8%
4	3 faraday passes	97% each (aLIGO input Faradays)	99% each	99.7 % each	92.4% <i>each</i>
5	Reflection off of Signal recycling cavity@100 Hz	97.5%(T _{sr} m=35%)	99.2% (T _{sr} m=50%)	99.5%	N/A
6	Circulator for filter cavity	98%	99%	99.8%	N/A
7	RF pick off beamsplitter (beam for ISCT4)	99%	99.5%	99.8%	99%
8	Squeezer mode matching to OMC	96%	97%	99.7%	69%
10	OMC transmission	97%	99.5%	99.7%	82%
11	QE of PDs	99%	99.7%	99.99%	90%
	Total efficiency (escape * detection)	76.7% 76.0%?	90.8% 89.9?	97.6% 97.4%?	38%
	Total phase noise allowable	17mrad	4.4mrad	2.5 mrad	80 <i>mrad</i>
	Measured squeezing (dB)	6	10	15.25	2.1