

ADVANCED LIGO SUSPENSION CHART – Stable Recycling

E1000024-v1 2nd Feb 2010
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BSC Suspensions – Quad
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HAM Large Triple Suspension, HLTS (aka RM)
HAM Small Triple Suspension, HSTS (aka IMC)
HAM Cavity Optics Suspension - Double

Ham Aux. Modified Small Optic Suspension (MSOS)- Single

IFO 1 (L1)	IFO 2 (H1)	IFO 3 (H2)	Responsibility
2 ETM	2 ETM	2 ETM	SUS UK/COC
2 ITM/CP	2 ITM/CP	2 ITM/CP	SUS UK/COC/AOS
BS	BS	BS	SUS UK/COC
		2 FM	SUS UK/COC
PR 3	PR 3	PR 3	SUS US/COC
SR 3	SR 3	SR 3	SUS US/COC
IMC1	IMC1	IMC1	SUSUS/IO
IMC2	IMC2	IMC2	SUS US/IO
IMC3	IMC3	IMC3	SUS US/IO
PRM	PRM	PRM	SUS US/IO
PR 2	PR 2	PR 2	SUS US/IO
SRM	SRM	SRM	SUS US/IO
SR 2	SR 2	SR 2	SUS US/ IO
OMC	OMC	OMC	SUS US/ISC
SM1	SM1	SM1	IO /SUS US
SM2	SM2	SM2	IO /SUS US
IMMT1	IMMT1	IMMT1	IO /SUS US
IMMT2	IMMT2	IMMT2	IO /SUS US
8 Tip/Tilt Mirrors	8 Tip/Tilt Mirrors	8 Tip/Tilt Mirrors	ISC ¹

SPARES: 1 of each type per site. 2 ETM/ITM (4 total), 1 BS/FM (2 total), 1 HLTS, 1 HSTS, 1 OMC.
No spares for SOS-based suspensions.

Faraday Isolators are not suspended – mount designed by IO.

Remove suspended photodiodes for PSL – per P. King, e-mail dated 12/17/07

Remove Pick-off for AOS – per Dennis 1/8/08

Updated 13 Feb 2008 – input from Luke Williams

Updated 25 March 2008 – input from M. Smith

Updated 5 Aug 2008 – spares policy

Updated 29 Jan 2010 – HAM AUX responsibility now primarily IO (SUS does electronics)

¹ Tip/Tilts: 2 each for the DC & RF readouts & 4 for pick-off beams