aLIGO LHO Resonances - T1200415-v1 1/21/14

This page is for recording known and expected resonances in the LHO IFOs. Use footnote links (e.g., #quadmono) in any of the last four columns to link to entries in the References section at the bottom of the page, and thence to alog entries, DCC documents and the like.

Periodically archive both a PDF printout of this page and the source to T1200415. See the scripts page for detailed instructions. If any edits are made relative to the last archived version, remove the version number and date from the page heading ("aLIGO LHO Resonances - T1200415-v1 1/21/14" -> "aLIGO LHO Resonances - T1200415").

There are subpages with the same data sorted by f_{meas} (/SortedBy_fmeas) and f_{theory} (/SortedBy_ftheory). Sorting is a manual process so if you've added new data or if you find the the sorted versions are older than the main page (click Info on each page), rerun the scripts and copy and paste the output to the subpages.

Resonances



Style

- The first column should have a * in it if the row is valid data, for the convenience of the scripts.
- Leave cells blank or list multiple items separated by spaces as appropriate. Make each logical item a single lexical word with "_", e.g., rigid_body_modes.
- All empty columns should have a space (| | | | not | | | |), so as not to muck up the layout. Use | | <-12> | | (merge across 12 columns) as a visual separator for groups. Use | | | | <-11>Heading | | or the like for a heading.
- IFO is H1, H2, L1 or the like.
- Group is SUS, SEI or the like.
- Location is any relevant vacuum tank(s) or the like.
- System is real or abstract major assemblies affected, e.g., ITMy or acoustic_noise.
- Subsystem is real or abstract sub assemblies affected, e.g., ETM or rigid_body_modes.
- Description is any additional commentary.
- $\bullet~f_{theory}$ and Q_{theory} are expected values from modeling if known.
- $\bullet \ \ f_{meas}$ and Q_{meas} are measured values if known.
- Harmonics is a space-separated list of harmonics that were also measured, numbered from fundamental=1. Use for a range, e.g., 1-12.
- f_{theory}, Q_{theory}, f_{meas} and Q_{meas} may have one or more references, which should be links to anchors (e.g., [[#myref]]) in the References section at the end. See the Style box there for conventions about anchor names (e.g., references to the LHO alog should be of the form lho1234).

	IFO	Group	Location	System	Subsystem	Description	f _{theory} (Hz)	Q _{theory}	f _{meas} (Hz)	Q _{meas}	Harmonics
	H1 as for HIF	O-X.									
*	H1_HIFOX	SUS	BSC1	ITMx_wire_rehang	Rigid_body_modes	modeL1	0.434672 #quadrehang		0.434 #lho3594		
*	H1_HIFOX	SUS	BSC1	ITMx_wire_rehang	Rigid_body_modes	modeT1	0.461331 #quadrehang		0.461 #lho3594		
*	H1_HIFOX	SUS	BSC1	ITMx_wire_rehang	Rigid_body_modes	modeV1	0.548679 #quadrehang		0.535 #lho3594		
*	H1_HIFOX	SUS	BSC1	ITMx_wire_rehang	Rigid_body_modes	modeP1	0.562986 #quadrehang		0.566 #lho3594		
*	H1_HIFOX	SUS	BSC1	ITMx_wire_rehang	Rigid_body_modes	modeY1	0.601232 #quadrehang		0.601 #lho3594		
*	H1_HIFOX	SUS	BSC1	ITMx_wire_rehang	Rigid_body_modes	modeR1	0.838875 #quadrehang		0.871 #lho3594		
*	H1_HIFOX	SUS	BSC1	ITMx_wire_rehang	Rigid_body_modes	modeL2	0.983038 #quadrehang		0.98 #lho3594		
*	H1_HIFOX	SUS	BSC1	ITMx_wire_rehang	Rigid_body_modes	modeT2	1.03606 #quadrehang		1.039 #lho3594		
*	H1_HIFOX	SUS	BSC1	ITMx_wire_rehang	Rigid_body_modes	modeY2	1.36168 #quadrehang		1.363 #lho3594		
*	H1_HIFOX	SUS	BSC1	ITMx_wire_rehang	Rigid_body_modes	modeP2	1.44161 #quadrehang		1.469 #lho3594		
*	H1_HIFOX	SUS	BSC1	ITMx_wire_rehang	Rigid_body_modes	modeL3	2.00486 #quadrehang		2. #lho3594		
*	H1_HIFOX	SUS	BSC1	ITMx_wire_rehang	Rigid_body_modes	modeT3	2.12165 #quadrehang		2.125 #lho3594		
*	H1_HIFOX	SUS	BSC1	ITMx_wire_rehang	Rigid_body_modes	modeV2	2.22184 #quadrehang		2.23 #lho3594		

*	H1_HIFOX	SUS	BSC1	ITMx_wire_rehang	Rigid_body_modes	modeY3	2.38749 #quadrehang	2.418 #lho3594
*	H1_HIFOX	SUS	BSC1	ITMx_wire_rehang	Rigid_body_modes	modeP3	2.52198 #quadrehang	2.551 #lho3594
*	H1_HIFOX	SUS	BSC1	ITMx_wire_rehang	Rigid_body_modes	modeR2	2.63003 #quadrehang	2.633 #lho3594
*	H1_HIFOX	SUS	BSC1	ITMx_wire_rehang	Rigid_body_modes	modeP4	2.84646 #quadrehang	2.828 #lho3594
*	H1_HIFOX	SUS	BSC1	ITMx_wire_rehang	Rigid_body_modes	modeY4	3.03675 #quadrehang	3.051 #lho3594
*	H1_HIFOX	SUS	BSC1	ITMx_wire_rehang	Rigid_body_modes	modeR3	3.32094 #quadrehang	3.312 #lho3594
*	H1_HIFOX	SUS	BSC1	ITMx_wire_rehang	Rigid_body_modes	modeL4	3.4283 #quadrehang	3.414 #lho3594
*	H1_HIFOX	SUS	BSC1	ITMx_wire_rehang	Rigid_body_modes	modeV3	3.56765 #quadrehang	3.574 #lho3594
*	H1_HIFOX	SUS	BSC1	ITMx_wire_rehang	Rigid_body_modes	modeT4	5.08241 #quadrehang	5.086 #lho3594
*	H1_HIFOX	SUS	BSC1	ITMx_wire_rehang	Rigid_body_modes	modeV4	17.1158 #quadrehang	
*	H1_HIFOX	SUS	BSC1	ITMx_wire_rehang	Rigid_body_modes	modeR4	24.011 #quadrehang	
*	H1_HIFOX	SUS	BSC1	СРу	Rigid_body_modes	modeL1	0.459444 #quadcp	
*	H1_HIFOX	SUS	BSC1	СРу	Rigid_body_modes	modeT1	0.489339 #quadcp	
*	H1_HIFOX	SUS	BSC1	СРу	Rigid_body_modes	modeV1	0.550098 #quadep	
*	H1_HIFOX	SUS	BSC1	СРу	Rigid_body_modes	modeP1	0.611664 #quadcp	
*	H1_HIFOX	SUS	BSC1	СРу	Rigid_body_modes	modeY1	0.664019 #quadcp	
*	H1_HIFOX	SUS	BSC1	СРу	Rigid_body_modes	modeL2	0.80953 #quadep	
*	H1_HIFOX	SUS	BSC1	СРу	Rigid_body_modes	modeT2	0.815788 #quadep	
*	H1_HIFOX	SUS	BSC1	СРу	Rigid_body_modes	modeR1	0.87408 #quadcp	
*	H1_HIFOX	SUS	BSC1	СРу	Rigid_body_modes	modeY2	1.34216 #quadcp	
*	H1_HIFOX	SUS	BSC1	СРу	Rigid_body_modes	modeP2	1.34265 #quadep	
*	H1_HIFOX	SUS	BSC1	СРу	Rigid_body_modes	modeL3	1.90484 #quadcp	
*	H1_HIFOX	SUS	BSC1	СРу	Rigid_body_modes	modeT3	2.02972 #quadep	
*	H1_HIFOX	SUS	BSC1	СРу	Rigid_body_modes	modeV2	2.22781 #quadep	
*	H1_HIFOX	SUS	BSC1	СРу	Rigid_body_modes	modeY3	2.23941 #quadcp	
*	H1_HIFOX	SUS	BSC1	СРу	Rigid_body_modes	modeR2	2.63028 #quadcp	
*	H1_HIFOX	SUS	BSC1	СРу	Rigid_body_modes	modeP3	2.72736 #quadcp	
*	H1_HIFOX	SUS	BSC1	СРу	Rigid_body_modes	modeY4	2.95764 #quadcp	
*	H1_HIFOX	SUS	BSC1	СРу	Rigid_body_modes	modeP4	3.28416 #quadcp	
*	H1_HIFOX	SUS	BSC1	СРу	Rigid_body_modes	modeR3	3.31786 #quadcp	
*	H1_HIFOX	SUS	BSC1	СРу	Rigid_body_modes	modeL4	3.40497 #quadcp	
*	H1_HIFOX	SUS	BSC1	СРу	Rigid_body_modes	modeV3	3.58115 #quadcp	
							1	

*	H1_HIFOX	SUS	BSC1	СРу	Rigid_body_modes	modeT4	5.04888 #quadcp	
*	H1_HIFOX	SUS	BSC1	СРу	Rigid_body_modes	modeV4	19.7505 #quadcp	
*	H1_HIFOX	SUS	BSC1	СРу	Rigid_body_modes	modeR4	27.8594 #quadcp	
	Hopefully fin	al bits of	H1.					
*	Н1	SUS	BSC10	ETMx	Rigid_body_modes	modeL1	0.434592 #quadmono	0.429 #lho3594
*	H1	SUS	BSC10	ETMx	Rigid_body_modes	modeT1	0.463358 #quadmono	0.46 #lho3594
*	H1	SUS	BSC10	ETMx	Rigid_body_modes	modeV1	0.550227 #quadmono	0.535 #lho3594
*	Н1	SUS	BSC10	ETMx	Rigid_body_modes	modeP1	0.563718 #quadmono	0.554 #lho3594
*	Н1	SUS	BSC10	ETMx	Rigid_body_modes	modeY1	0.600815 #quadmono	0.597 #lho3594
*	Н1	SUS	BSC10	ETMx	Rigid_body_modes	modeR1	0.875152 #quadmono	0.882 #lho3594
*	H1	SUS	BSC10	ETMx	Rigid_body_modes	modeL2	0.997385 #quadmono	0.992 #lho3594
*	H1	SUS	BSC10	ETMx	Rigid_body_modes	modeT2	1.04738 #quadmono	1.039 #lho3594
*	H1	SUS	BSC10	ETMx	Rigid_body_modes	modeP2	1.31272 #quadmono	1.292 #lho3594
*	H1	SUS	BSC10	ETMx	Rigid_body_modes	modeY2	1.35431 #quadmono	1.351 #lho3594
*	H1	SUS	BSC10	ETMx	Rigid_body_modes	modeP3	1.60487 #quadmono	1.621 #lho3594
*	Н1	SUS	BSC10	ETMx	Rigid_body_modes	modeL3	2.00573 #quadmono	1.992 #lho3594
*	Н1	SUS	BSC10	ETMx	Rigid_body_modes	modeT3	2.12242 #quadmono	2.125 #lho3594
*	H1	SUS	BSC10	ETMx	Rigid_body_modes	modeV2	2.21615 #quadmono	2.261 #lho3594
*	Н1	SUS	BSC10	ETMx	Rigid_body_modes	modeY3	2.39316 #quadmono	2.398 #lho3594
*	Н1	SUS	BSC10	ETMx	Rigid_body_modes	modeR2	2.63331 #quadmono	2.648 #lho3594
*	Н1	SUS	BSC10	ETMx	Rigid_body_modes	modeP4	2.81327 #quadmono	2.812 #lho3594
*	Н1	SUS	BSC10	ETMx	Rigid_body_modes	modeY4	3.05151 #quadmono	3.047 #lho3594
*	Н1	SUS	BSC10	ETMx	Rigid_body_modes	modeR3	3.31788 #quadmono	3.324 #lho3594
*	Н1	SUS	BSC10	ETMx	Rigid_body_modes	modeL4	3.41638 #quadmono	3.441 #lho3594
*	H1	SUS	BSC10	ETMx	Rigid_body_modes	modeV3	3.55819 #quadmono	3.609 #lho3594
*	Н1	SUS	BSC10	ETMx	Rigid_body_modes	modeT4	5.07092 #quadmono	5.121 #lho3594
*	H1	SUS	BSC10	ETMx	Rigid_body_modes	modeV4	9.26975 #quadmono	
*	Н1	SUS	BSC10	ETMx	Rigid_body_modes	modeR4	13.1739 #quadmono	
*	H1	SUS	BSC10	ERMx	Rigid_body_modes	modeL1	0.450845 #quaderm	
*	H1	SUS	BSC10	ERMx	Rigid_body_modes	modeT1	0.479208 #quaderm	
*	Н1	SUS	BSC10	ERMx	Rigid_body_modes	modeV1	0.550444 #quaderm	
*	H1	SUS	BSC10	ERMx	Rigid_body_modes	modeP1	0.60238 #quaderm	
							0.648033	

*	H1	SUS	BSC10	ERMx	Rigid_body_modes	modeY1	#quaderm
*	H1	SUS	BSC10	ERMx	Rigid_body_modes	modeR1	0.834372 #quaderm
*	H1	SUS	BSC10	ERMx	Rigid_body_modes	modeL2	0.859087 #quaderm
*	H1	SUS	BSC10	ERMx	Rigid_body_modes	modeT2	0.907233 #quaderm
*	H1	SUS	BSC10	ERMx	Rigid_body_modes	modeP2	1.33693 #quaderm
*	Н1	SUS	BSC10	ERMx	Rigid_body_modes	modeY2	1.34081 #quaderm
*	H1	SUS	BSC10	ERMx	Rigid_body_modes	modeL3	1.92516 #quaderm
*	H1	SUS	BSC10	ERMx	Rigid_body_modes	modeT3	2.0476 #quaderm
*	H1	SUS	BSC10	ERMx	Rigid_body_modes	modeV2	2.2276 #quaderm
*	H1	SUS	BSC10	ERMx	Rigid_body_modes	modeY3	2.28221 #quaderm
*	H1	SUS	BSC10	ERMx	Rigid_body_modes	modeR2	2.62396 #quaderm
*	H1	SUS	BSC10	ERMx	Rigid_body_modes	modeP3	2.70885 #quaderm
*	H1	SUS	BSC10	ERMx	Rigid_body_modes	modeY4	2.97614 #quaderm
*	H1	SUS	BSC10	ERMx	Rigid_body_modes	modeP4	2.98639 #quaderm
*	H1	SUS	BSC10	ERMx	Rigid_body_modes	modeR3	3.31274 #quaderm
*	H1	SUS	BSC10	ERMx	Rigid_body_modes	modeL4	3.40455 #quaderm
*	H1	SUS	BSC10	ERMx	Rigid_body_modes	modeV3	3.58064 #quaderm
*	H1	SUS	BSC10	ERMx	Rigid_body_modes	modeT4	5.04715 #quaderm
*	H1	SUS	BSC10	ERMx	Rigid_body_modes	modeV4	18.3013 #quaderm
*	Н1	SUS	BSC10	ERMx	Rigid_body_modes	modeR4	25.6281 #quaderm
	Clone this gr	oup and c	customize fo	or individual HSTSs as	they're measured.		
*	H1	SUS	HAM2 HAM3 HAM4 HAM5	IMC1 IMC2 IMC3 PR2 PRM SR2 SRM	Rigid_body_modes	modeL1	0.672497 #hsts
*	Н1	SUS	HAM2 HAM3 HAM4 HAM5	IMC1 IMC2 IMC3 PR2 PRM SR2 SRM	Rigid_body_modes	modeT1	0.675834 #hsts
*	H1	SUS	HAM2 HAM3 HAM4 HAM5	IMC1 IMC2 IMC3 PR2 PRM SR2 SRM	Rigid_body_modes	modeV1	0.848391 #hsts
*	Н1	SUS	HAM2 HAM3 HAM4 HAM5	IMC1 IMC2 IMC3 PR2 PRM SR2 SRM	Rigid_body_modes	modeP1	1.0051 #hsts
*	H1	SUS	HAM2 HAM3 HAM4 HAM5	IMC1 IMC2 IMC3 PR2 PRM SR2 SRM	Rigid_body_modes	modeY1	1.09179 #hsts
*	H1	SUS	HAM2 HAM3 HAM4 HAM5	IMC1 IMC2 IMC3 PR2 PRM SR2 SRM	Rigid_body_modes	modeR1	1.51197 #hsts
			HAM2 HAM3	IMC1 IMC2 IMC3			1.51559

*	H1	SUS	HAM4 HAM5	PR2 PRM SR2 SRM	Rigid_body_modes	modeL2	#hsts		
*	H1	SUS	HAM2 HAM3 HAM4 HAM5	IMC1 IMC2 IMC3 PR2 PRM SR2 SRM	Rigid_body_modes	modeT2	1.52673 #hsts		
*	H1	SUS	HAM2 HAM3 HAM4 HAM5	IMC1 IMC2 IMC3 PR2 PRM SR2 SRM	Rigid_body_modes	modeY2	2.0381 #hsts		
*	H1	SUS	HAM2 HAM3 HAM4 HAM5	IMC1 IMC2 IMC3 PR2 PRM SR2 SRM	Rigid_body_modes	modeR2	2.18447 #hsts		
*	H1	SUS	HAM2 HAM3 HAM4 HAM5	IMC1 IMC2 IMC3 PR2 PRM SR2 SRM	Rigid_body_modes	modeV2	2.76171 #hsts		
*	H1	SUS	HAM2 HAM3 HAM4 HAM5	IMC1 IMC2 IMC3 PR2 PRM SR2 SRM	Rigid_body_modes	modeL3	2.80671 #hsts		
*	Н1	SUS	HAM2 HAM3 HAM4 HAM5	IMC1 IMC2 IMC3 PR2 PRM SR2 SRM	Rigid_body_modes	modeT3	2.98169 #hsts		
*	H1	SUS	HAM2 HAM3 HAM4 HAM5	IMC1 IMC2 IMC3 PR2 PRM SR2 SRM	Rigid_body_modes	modeP2	3.20926 #hsts		
*	Н1	SUS	HAM2 HAM3 HAM4 HAM5	IMC1 IMC2 IMC3 PR2 PRM SR2 SRM	Rigid_body_modes	modeY3	3.42401 #hsts		
*	Н1	SUS	HAM2 HAM3 HAM4 HAM5	IMC1 IMC2 IMC3 PR2 PRM SR2 SRM	Rigid_body_modes	modeP3	3.78136 #hsts		
*	H1	SUS	HAM2 HAM3 HAM4 HAM5	IMC1 IMC2 IMC3 PR2 PRM SR2 SRM	Rigid_body_modes	modeV3	27.3201 #hsts		
*	H1	SUS	HAM2 HAM3 HAM4 HAM5	IMC1 IMC2 IMC3 PR2 PRM SR2 SRM	Rigid_body_modes	modeR3	40.369 #hsts		
	Clone this gro	oup and c	customize fo	or individual HLTSs as	they're measured.				
*	H1	SUS	HAM2 HAM5	PR3 SR3	Rigid_body_modes	modeP1	0.659538 #hlts		
*	H1	SUS	HAM2 HAM5	PR3 SR3	Rigid_body_modes	modeT1	0.692337 #hlts		
*	H1	SUS	HAM2 HAM5	PR3 SR3	Rigid_body_modes	modeL1	0.744758 #hlts		
*	H1	SUS	HAM2 HAM5	PR3 SR3	Rigid_body_modes	modeY1	0.989521 #hlts		
*	H1	SUS	HAM2 HAM5	PR3 SR3	Rigid_body_modes	modeV1	1.06994 #hlts		
*	H1	SUS	HAM2 HAM5	PR3 SR3	Rigid_body_modes	modeR1	1.50732 #hlts		
*	H1	SUS	HAM2 HAM5	PR3 SR3	Rigid_body_modes	modeL2	1.5814 #hlts		
*	H1	SUS	HAM2 HAM5	PR3 SR3	Rigid_body_modes	modeR2	1.97903 #hlts		
*	H1	SUS	HAM2 HAM5	PR3 SR3	Rigid_body_modes	modeP2	2.12717 #hlts		
*	H1	SUS	HAM2 HAM5	PR3 SR3	Rigid_body_modes	modeY2	2.23634 #hlts		
*	H1	SUS	HAM2 HAM5	PR3 SR3	Rigid_body_modes	modeT2	2.50427 #hlts		

*	H1	SUS	HAM2 HAM5	PR3 SR3	Rigid_body_modes	modeL3	2.85421 #hlts		
*	H1	SUS	HAM2 HAM5	PR3 SR3	Rigid_body_modes	modeY3	3.34348 #hlts		
*	H1	SUS	HAM2 HAM5	PR3 SR3	Rigid_body_modes	modeV2	3.50334 #hlts		
*	H1	SUS	HAM2 HAM5	PR3 SR3	Rigid_body_modes	modeP3	3.51862 #hlts		
*	H1	SUS	HAM2 HAM5	PR3 SR3	Rigid_body_modes	modeT3	3.68116 #hlts		
*	H1	SUS	HAM2 HAM5	PR3 SR3	Rigid_body_modes	modeV3	28.1003 #hlts		
*	H1	SUS	HAM2 HAM5	PR3 SR3	Rigid_body_modes	modeR3	44.7247 #hlts		
*	H1	SUS	BSC2	BS	Rigid_body_modes	modeL1	0.419315 #bsfm		
*	H1	SUS	BSC2	BS	Rigid_body_modes	modeT1	0.423602 #bsfm		
*	H1	SUS	BSC2	BS	Rigid_body_modes	modeP1	0.468279 #bsfm		
*	H1	SUS	BSC2	BS	Rigid_body_modes	modeY1	0.493035 #bsfm		
*	H1	SUS	BSC2	BS	Rigid_body_modes	modeR1	1.0506 #bsfm		
*	H1	SUS	BSC2	BS	Rigid_body_modes	modeL2	1.05136 #bsfm		
*	H1	SUS	BSC2	BS	Rigid_body_modes	modeP2	1.07596 #bsfm		
*	H1	SUS	BSC2	BS	Rigid_body_modes	modeV1	1.08389 #bsfm		
*	H1	SUS	BSC2	BS	Rigid_body_modes	modeP3	1.3915 #bsfm		
*	H1	SUS	BSC2	BS	Rigid_body_modes	modeY2	1.3963 #bsfm		
*	H1	SUS	BSC2	BS	Rigid_body_modes	modeT2	1.55266 #bsfm		
*	H1	SUS	BSC2	BS	Rigid_body_modes	modeL3	1.69857 #bsfm		
*	H1	SUS	BSC2	BS	Rigid_body_modes	modeT3	2.18939 #bsfm		
*	H1	SUS	BSC2	BS	Rigid_body_modes	modeY3	2.25325 #bsfm		
*	H1	SUS	BSC2	BS	Rigid_body_modes	modeR2	3.20625 #bsfm		
*	H1	SUS	BSC2	BS	Rigid_body_modes	modeV2	3.76046 #bsfm		
*	H1	SUS	BSC2	BS	Rigid_body_modes	modeV3	17.5222 #bsfm		
*	H1	SUS	BSC2	BS	Rigid_body_modes	modeR3	25.9715 #bsfm		
	H2 as for On	e Arm Te	est.				· · · · · · · · · · · · · · · · · · ·	<u>'</u>	
*	H2_OAT	SUS	BSC8	ITMy_wire_rehang	Rigid_body_modes	modeL1	0.434672 #quadrehang	0.434 #lho3594	
*	H2_OAT	SUS	BSC8	ITMy_wire_rehang	Rigid_body_modes	modeT1	0.461331 #quadrehang	0.461 #lho3594	
*	H2_OAT	SUS	BSC8	ITMy_wire_rehang	Rigid_body_modes	modeV1	0.548679 #quadrehang	0.535 #lho3594	
*	H2_OAT	SUS	BSC8	ITMy_wire_rehang	Rigid_body_modes	modeP1	0.562986 #quadrehang	0.566 #lho3594	
*	H2_OAT	SUS	BSC8	ITMy_wire_rehang	Rigid_body_modes	modeY1	0.601232 #quadrehang	0.601 #lho3594	
*	H2_OAT	SUS	BSC8	ITMy_wire_rehang	Rigid_body_modes	modeR1	0.838875 #quadrehang	0.871 #lho3594	
							0.983038	0.98	

*	H2_OAT	SUS	BSC8	ITMy_wire_rehang	Rigid_body_modes	modeL2	#quadrehang	#lho3594
*	H2_OAT	SUS	BSC8	ITMy_wire_rehang	Rigid_body_modes	modeT2	1.03606 #quadrehang	1.039 #lho3594
*	H2_OAT	SUS	BSC8	ITMy_wire_rehang	Rigid_body_modes	modeY2	1.36168 #quadrehang	1.363 #lho3594
*	H2_OAT	SUS	BSC8	ITMy_wire_rehang	Rigid_body_modes	modeP2	1.44161 #quadrehang	1.469 #lho3594
*	H2_OAT	SUS	BSC8	ITMy_wire_rehang	Rigid_body_modes	modeL3	2.00486 #quadrehang	2. #lho3594
*	H2_OAT	SUS	BSC8	ITMy_wire_rehang	Rigid_body_modes	modeT3	2.12165 #quadrehang	2.125 #lho3594
*	H2_OAT	SUS	BSC8	ITMy_wire_rehang	Rigid_body_modes	modeV2	2.22184 #quadrehang	2.23 #lho3594
*	H2_OAT	SUS	BSC8	ITMy_wire_rehang	Rigid_body_modes	modeY3	2.38749 #quadrehang	2.418 #lho3594
*	H2_OAT	SUS	BSC8	ITMy_wire_rehang	Rigid_body_modes	modeP3	2.52198 #quadrehang	2.551 #lho3594
*	H2_OAT	SUS	BSC8	ITMy_wire_rehang	Rigid_body_modes	modeR2	2.63003 #quadrehang	2.633 #lho3594
*	H2_OAT	SUS	BSC8	ITMy_wire_rehang	Rigid_body_modes	modeP4	2.84646 #quadrehang	2.828 #lho3594
*	H2_OAT	SUS	BSC8	ITMy_wire_rehang	Rigid_body_modes	modeY4	3.03675 #quadrehang	3.051 #lho3594
*	H2_OAT	SUS	BSC8	ITMy_wire_rehang	Rigid_body_modes	modeR3	3.32094 #quadrehang	3.312 #lho3594
*	H2_OAT	SUS	BSC8	ITMy_wire_rehang	Rigid_body_modes	modeL4	3.4283 #quadrehang	3.414 #lho3594
*	H2_OAT	SUS	BSC8	ITMy_wire_rehang	Rigid_body_modes	modeV3	3.56765 #quadrehang	3.574 #lho3594
*	H2_OAT	SUS	BSC8	ITMy_wire_rehang	Rigid_body_modes	modeT4	5.08241 #quadrehang	5.086 #lho3594
*	H2_OAT	SUS	BSC8	ITMy_wire_rehang	Rigid_body_modes	modeV4	17.1158 #quadrehang	
*	H2_OAT	SUS	BSC8	ITMy_wire_rehang	Rigid_body_modes	modeR4	24.011 #quadrehang	
*	H2_OAT	SUS	BSC8	СРу	Rigid_body_modes	modeL1	0.459444 #quadcp	
*	H2_OAT	SUS	BSC8	СРу	Rigid_body_modes	modeT1	0.489339 #quadep	
*	H2_OAT	SUS	BSC8	СРу	Rigid_body_modes	modeV1	0.550098 #quadep	
*	H2_OAT	SUS	BSC8	СРу	Rigid_body_modes	modeP1	0.611664 #quadep	
*	H2_OAT	SUS	BSC8	СРу	Rigid_body_modes	modeY1	0.664019 #quadcp	
*	H2_OAT	SUS	BSC8	СРу	Rigid_body_modes	modeL2	0.80953 #quadcp	
*	H2_OAT	SUS	BSC8	СРу	Rigid_body_modes	modeT2	0.815788 #quadcp	
*	H2_OAT	SUS	BSC8	СРу	Rigid_body_modes	modeR1	0.87408 #quadcp	
*	H2_OAT	SUS	BSC8	СРу	Rigid_body_modes	modeY2	1.34216 #quadcp	
*	H2_OAT	SUS	BSC8	СРу	Rigid_body_modes	modeP2	1.34265 #quadcp	
*	H2_OAT	SUS	BSC8	СРу	Rigid_body_modes	modeL3	1.90484 #quadcp	
*	H2_OAT	SUS	BSC8	СРу	Rigid_body_modes	modeT3	2.02972 #quadcp	
*	H2_OAT	SUS	BSC8	СРу	Rigid_body_modes	modeV2	2.22781 #quadcp	
*	H2_OAT	SUS	BSC8	СРу	Rigid_body_modes	modeY3	2.23941 #quadcp	
*	H2_OAT	SUS	BSC8	СРу	Rigid_body_modes	modeR2	2.63028 #quadcp	

*	H2_OAT	SUS	BSC8	СРу	Rigid_body_modes	modeP3	2.72736 #quadcp	
*	H2_OAT	SUS	BSC8	СРу	Rigid_body_modes	modeY4	2.95764 #quadcp	
*	H2_OAT	SUS	BSC8	СРу	Rigid_body_modes	modeP4	3.28416 #quadcp	
*	H2_OAT	SUS	BSC8	СРу	Rigid_body_modes	modeR3	3.31786	
*	H2_OAT	SUS	BSC8	СРу	Rigid body modes	modeL4	#quadcp 3.40497	
*	H2_OAT	SUS	BSC8	СРу	Rigid_body_modes	modeV3	#quadcp 3.58115	
*	H2_OAT	SUS	BSC8	СРу	Rigid_body_modes	modeT4	#quadcp 5.04888	
*	H2_OAT	SUS	BSC8	СРу	Rigid_body_modes	modeV4	#quadcp 19.7505	
*	_			<u> </u>	0 - 7-		#quadcp 27.8594	
	H2_OAT	SUS	BSC8	СРу	Rigid_body_modes	modeR4	#quadep	0.400
*	H2_OAT	SUS	BSC6	ETMy	Rigid_body_modes	modeL1	0.434592 #quadmono	0.429 #lho3594
*	H2_OAT	SUS	BSC6	ETMy	Rigid_body_modes	modeT1	0.463358 #quadmono	0.46 #lho3594
*	H2_OAT	SUS	BSC6	ETMy	Rigid_body_modes	modeV1	0.550227 #quadmono	0.535 #lho3594
*	H2_OAT	SUS	BSC6	ETMy	Rigid_body_modes	modeP1	0.563718 #quadmono	0.554 #lho3594
*	H2_OAT	SUS	BSC6	ETMy	Rigid_body_modes	modeY1	0.600815 #quadmono	0.597 #lho3594
*	H2_OAT	SUS	BSC6	ETMy	Rigid_body_modes	modeR1	0.875152 #quadmono	0.882 #lho3594
*	H2_OAT	SUS	BSC6	ETMy	Rigid_body_modes	modeL2	0.997385 #quadmono	0.992 #lho3594
*	H2_OAT	SUS	BSC6	ETMy	Rigid_body_modes	modeT2	1.04738 #quadmono	1.039 #lho3594
*	H2_OAT	SUS	BSC6	ETMy	Rigid_body_modes	modeP2	1.31272 #quadmono	1.292 #lho3594
*	H2_OAT	SUS	BSC6	ЕТМу	Rigid_body_modes	modeY2	1.35431 #quadmono	1.351 #lho3594
*	H2_OAT	SUS	BSC6	ETMy	Rigid_body_modes	modeP3	1.60487 #quadmono	1.621 #lho3594
*	H2_OAT	SUS	BSC6	ETMy	Rigid_body_modes	modeL3	2.00573 #quadmono	1.992 #lho3594
*	H2_OAT	SUS	BSC6	ETMy	Rigid_body_modes	modeT3	2.12242 #quadmono	2.125 #lho3594
*	H2_OAT	SUS	BSC6	ETMy	Rigid_body_modes	modeV2	2.21615 #quadmono	2.261 #lho3594
*	H2_OAT	SUS	BSC6	ETMy	Rigid_body_modes	modeY3	2.39316	2.398
*	H2_OAT	SUS	BSC6	ETMy	Rigid_body_modes	modeR2	#quadmono 2.63331	#lho3594 2.648 #lho3504
*	H2_OAT	SUS	BSC6	ETMy	Rigid_body_modes	modeP4	#quadmono 2.81327	#lho3594 2.812
*	H2_OAT	SUS	BSC6	ETMy	Rigid_body_modes	modeY4	#quadmono 3.05151	#lho3594 3.047
*	H2_OAT	SUS	BSC6	ETMy	Rigid_body_modes	modeR3	#quadmono 3.31788	#lho3594 3.324
*	H2_OAT	SUS	BSC6	ETMy	Rigid_body_modes	modeL4	#quadmono 3.41638	#lho3594 3.441
*	H2_OAT	SUS	BSC6	-	Rigid_body_modes	modeV3	#quadmono 3.55819	#lho3594 3.609
*	_			ЕТМ	0 - 3-		#quadmono 5.07092	#lho3594 5.121
	H2_OAT	SUS	BSC6	ETMy	Rigid_body_modes	modeT4	#quadmono 9.26975	#lho3594
*	H2_OAT	SUS	BSC6	ETMy	Rigid_body_modes	modeV4	#quadmono 13.1739	
*	H2_OAT	SUS	BSC6	ETMy	Rigid_body_modes	modeR4	#quadmono	

_				ı	ı	ı			1	1
*	H2_OAT	SUS	BSC6	ERMy	Rigid_body_modes	modeL1	0.450845 #quaderm			
*	H2_OAT	SUS	BSC6	ERMy	Rigid_body_modes	modeT1	0.479208 #quaderm			
*	H2_OAT	SUS	BSC6	ERMy	Rigid_body_modes	modeV1	0.550444 #quaderm			
*	H2_OAT	SUS	BSC6	ERMy	Rigid_body_modes	modeP1	0.60238 #quaderm			
*	H2_OAT	SUS	BSC6	ERMy	Rigid_body_modes	modeY1	0.648033 #quaderm			
*	H2_OAT	SUS	BSC6	ERMy	Rigid_body_modes	modeR1	0.834372 #quaderm			
*	H2_OAT	SUS	BSC6	ERMy	Rigid_body_modes	modeL2	0.859087 #quaderm			
*	H2_OAT	SUS	BSC6	ERMy	Rigid_body_modes	modeT2	0.907233 #quaderm			
*	H2_OAT	SUS	BSC6	ERMy	Rigid_body_modes	modeP2	1.33693 #quaderm			
*	H2_OAT	SUS	BSC6	ERMy	Rigid_body_modes	modeY2	1.34081 #quaderm			
*	H2_OAT	SUS	BSC6	ERMy	Rigid_body_modes	modeL3	1.92516 #quaderm			
*	H2_OAT	SUS	BSC6	ERMy	Rigid_body_modes	modeT3	2.0476 #quaderm			
*	H2_OAT	SUS	BSC6	ERMy	Rigid_body_modes	modeV2	2.2276 #quaderm			
*	H2_OAT	SUS	BSC6	ERMy	Rigid_body_modes	modeY3	2.28221 #quaderm			
*	H2_OAT	SUS	BSC6	ERMy	Rigid_body_modes	modeR2	2.62396 #quaderm			
*	H2_OAT	SUS	BSC6	ERMy	Rigid_body_modes	modeP3	2.70885 #quaderm			
*	H2_OAT	SUS	BSC6	ERMy	Rigid_body_modes	modeY4	2.97614 #quaderm			
*	H2_OAT	SUS	BSC6	ERMy	Rigid_body_modes	modeP4	2.98639 #quaderm			
*	H2_OAT	SUS	BSC6	ERMy	Rigid_body_modes	modeR3	3.31274 #quaderm			
*	H2_OAT	SUS	BSC6	ERMy	Rigid_body_modes	modeL4	3.40455 #quaderm			
*	H2_OAT	SUS	BSC6	ERMy	Rigid_body_modes	modeV3	3.58064 #quaderm			
*	H2_OAT	SUS	BSC6	ERMy	Rigid_body_modes	modeT4	5.04715 #quaderm			
*	H2_OAT	SUS	BSC6	ERMy	Rigid_body_modes	modeV4	18.3013 #quaderm			
*	H2_OAT	SUS	BSC6	ERMy	Rigid_body_modes	modeR4	25.6281 #quaderm			
	Combs from	H2 OAT	Line Study							
*	H2_OAT	IFO				A mains power		60.0 #lho	4327	1-15
*	H2_OAT	IFO				B laser reference cavity			4327	1-5
*	H2_OAT	IFO				C cf LVEA seis/mag			4327	1-2
*	H2_OAT	IFO				D cf EY seis/mag/accel/mic			4065 4327	1-11
*	H2_OAT	IFO				Е		68.5 #lho	9 4327	1-2
*	H2_OAT	IFO				F		72.0 #lho	9 4327	1-2
*	H2_OAT	IFO				G cf EY mag/accel		77.5 #lho	4 4327	1-12
1			l	l	l	l	I	l I		1

*	H2_OAT	IFO		H cf EY accel	78.00 #lho4327	1-4
*	H2_OAT	IFO		I cf EY accel	89.415 #lho4327	1-9
*	H2_OAT	IFO		J cf LVEA seis/mag/mic	90.29 #lho4327	1-10
*	H2_OAT	IFO		К	100.678 #lho4327	1-2
*	H2_OAT	IFO		L	105.91 #lho4327	1-5
*	H2_OAT	IFO		M	118.59 #lho4327	1-6
*	H2_OAT	IFO		N	120.7 #lho4327	1-5
*	H2_OAT	IFO		0	270.60	1-3
*	H2_OAT	IFO		P	289.48 #lho4327	1-3
\exists	Singletons f	rom H2 C	OAT Line Study			
*	H2_OAT	IFO		X1 laser reference cavity	4.012 #lho4327	
*	H2_OAT	IFO	LVEA	X2 cv LVEA seis/mag	4.294 #lho4327	
*	H2_OAT	IFO		X3 ?	12.08 #lho4327	
*	H2_OAT	IFO		X4 ?	16.36 #lho4327	
*	H2_OAT	IFO		X5 ?	18.83 #lho4327	
*	H2_OAT	IFO		X6 ?	28.28 #lho4327	
*	H2_OAT	IFO	LVEA EY	X7 cf LVEA/EY seis/mag/accel	29.625 #lho4327	
*	H2_OAT	IFO		X8 ?	29.78 #lho4327	
*	H2_OAT	IFO		X9 ?	30.18 #lho4327	
*	H2_OAT	IFO	LVEA	X10 cf LVEA seis/mag/accel/mic	30.86 #lho4327	
*	H2_OAT	IFO		X11 ?	32.73 #lho4327	
*	H2_OAT	IFO		X12 ?	41.88 #lho4327	
*	H2_OAT	IFO	LVEA	X13 cf LVEA seis/mag/mic	48.02 #lho4327	
*	H2_OAT	IFO	EY	X14 cf EY seis/mag/accel/mic	49.01 #lho4327	
*	H2_OAT	IFO	LVEA EY	X15 cf LVEA/EY seis/accel	72.37 #lho4327	
*	H2_OAT	IFO		X16 ?	117.455 #lho4327	
*	H2_OAT	IFO		X17 ?	138.9 #lho4327	
*	H2_OAT	IFO		X18 ?	151.02 #lho4327	
*	H2_OAT	IFO		X19 ?	157.75 #lho4327	
*	H2_OAT	IFO		X20 ?	167.018 #lho4327	
*	H2_OAT	IFO		X21 ?	167.80 #lho4327	
*	H2_OAT	IFO		X22 ?	170.93 #lho4327	
_		IFO		X23 ?	179.73	

*	H2_OAT	IFO		X24 ?	343.05 #lho4327
*	H2_OAT	IFO		X25 ?	517.5 #lho4327
*	H2_OAT	IFO		X26 ?	586.3 #lho4327
*	H2_OAT	IFO		X27 ?	625.9 #lho4327
*	H2_OAT	IFO		X28 ?	685.0 #lho4327
*	H2_OAT	IFO		X29 ?	724.2 #lho4327
*	H2_OAT	IFO		X30 ?	785.1 #lho4327
*	H2_OAT	IFO		X31 ?	789.9 #lho4327
*	H2_OAT	IFO		X32 ?	822.5 #lho4327
*	H2_OAT	IFO		X33 ?	891.2 #lho4327
*	H2_OAT	IFO	EY	X34 cf EY seis/mag/accel/mic	966.291 #lho4327

References



Style

- Column 1 should have a % in it if the row is valid data, for the convenience of the scripts. Otherwise it should have a space, so as not to muck up the layout. Use | | <-3> | | (merge across 3 columns) to separate groups if desired. Use | | | | <-2>Heading | | or the like for a heading.
- For all references, please create an anchor with an appropriate name in column 2 of the table. Then, still in column 2, repeat the name as the link text of a hyperlink so it's visible and takes the user to the reference. Put some description in column 3 so the user knows whether it's worthwhile clicking through.
- For alog entries use an anchor name of the form lho123 or llo321 and link to the respective alog.
- For DCC references, use the DCC number as the anchor and link to the DCC file card. If the version of the document is important, include the version, e.g., -v1 in the anchor name, and link to the specific version.
- Probably need additional conventions, e.g., for wiki pages.

%	• lho3594	H1 ETMy/ITMy dangle test measurement by Szymon
%	• quadmono	Mathematica model 20120601TMproductionTM (generic monolithic)
%	• quaderm	Mathematica model 20120831TMproductionERM (ERM version of reaction chain; CP value of thickness for the optic and consequent wrong MOIs in 6/1/12 version corrected)
%	• quadrehang	Mathematica model 20120601TMproductionTMrehang (H1 ITMy as rehung on wires)
%	• quadep	Mathematica model 20120831TMproductionCP (CP version of reaction chain)
%	• hsts	Mathematica model 20120120hsts (generic HSTS)
%	hlts	Mathematica model 20120120hlts (generic HLTS)
%	• bsfm	Mathematica model 20120120bsNW (generic BSFM)
%	• lho4327	Keith Riles et al. OAT line study

Example of a Heading	
• llo321	Example of reference to LLO alog
●T060284	Example of DCC reference
●E1200211-v7	Example of DCC reference to specific version