

T0800128-v2

From: Mike Smith <smith@ligo.caltech.edu>
Subject: **Re: any news on the BS coating incident angle???**
Date: March 24, 2011 1:42:19 PM PDT
To: GariLynn Billingsley <billingsley_g@ligo.caltech.edu>
▶ 1 Attachment, 35.9 KB

Gari,
Here are the results.

Mike

On 3/16/2011 5:18 PM, GariLynn Billingsley wrote:

Thanks,
Gari

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BS INCIDENT ANGLES
3/23/2011

	WEDGE ANGLES, deg					INCIDENT BEAM VECTOR			SURFACE NORMAL VECTOR			SURFACE	BS Incidence Angle, deg
	BS	CPx	Cpy	ITMx	ITMy	L	M	N	Nx	Ny	Nz		
H2	-0.079	0.074	0.074	-0.076	-0.076	1.1248E-03	9.9988E-01	1.5333E-02	2.6180E-05	-7.0855E-01	7.0567E-01	BS HR	45.7619
	-0.070	0.064	0.064	-0.076	-0.076	1.1248E-03	9.9988E-01	1.5247E-02	2.6180E-05	-7.0850E-01	7.0571E-01	BS HR	45.7606
	-0.079	0.064	0.064	-0.076	-0.076	1.1248E-03	9.9988E-01	1.5341E-02	2.6180E-05	-7.0855E-01	7.0566E-01	BS HR	45.7620
	-0.070	0.074	0.074	-0.076	-0.076	1.1248E-03	9.9988E-01	1.5245E-02	2.6180E-05	-7.0850E-01	7.0571E-01	BS HR	45.7606
H1	0.079	0.074	0.074	-0.076	-0.076	5.9694E-04	-1.0000E+00	5.8124E-04	-1.7453E-06	7.0706E-01	-7.0716E-01	BS HR	44.9707
	0.070	0.064	0.064	-0.076	-0.076	5.9694E-04	-1.0000E+00	5.0269E-04	-1.7453E-06	7.0710E-01	-7.0711E-01	BS HR	44.9715
	0.079	0.064	0.064	-0.076	-0.076	5.9694E-04	-1.0000E+00	5.0269E-04	-1.7453E-06	7.0705E-01	-7.0717E-01	BS HR	44.9760
	0.070	0.074	0.074	-0.076	-0.076	5.9694E-04	-1.0000E+00	5.8124E-04	-1.7453E-06	7.0703E-01	-7.0718E-01	BS HR	44.9726
L1	0.079	0.074	0.074	-0.076	-0.076	5.9694E-04	-1.0000E+00	5.8124E-04	-1.7453E-06	7.0706E-01	-7.0716E-01	BS HR	44.9707
	0.070	0.064	0.064	-0.076	-0.076	5.9694E-04	-1.0000E+00	5.0269E-04	-1.7453E-06	7.0710E-01	-7.0711E-01	BS HR	44.9715
	0.079	0.064	0.064	-0.076	-0.076	5.9694E-04	-1.0000E+00	5.0269E-04	-1.7453E-06	7.0705E-01	-7.0717E-01	BS HR	44.9760
	0.070	0.074	0.074	-0.076	-0.076	5.9694E-04	-1.0000E+00	5.8124E-04	-1.7453E-06	7.0703E-01	-7.0718E-01	BS HR	44.9726

Wedge angles are oriented according to this diagram

