Coh	omological	Hall a	lgelras	and r	ronaleli	an Hox	dge
	ismorp	wm f	or sta	eles			U
joint n Sebarti	risomorp vork with ian Schleg	d Ben el Mejia	Davison 	and			
C	Smo	oth pro	jechie	ww	(C	genus	g
Mgr.d	<i>~</i> →	M Pol	(C)	c ~	$\mathcal{M}_{r}^{d}$	e ,d (c)	
Betti							

 $(r,d) \in \mathbb{Z}_{\geq 1} \times \mathbb{Z}$ .

The degree

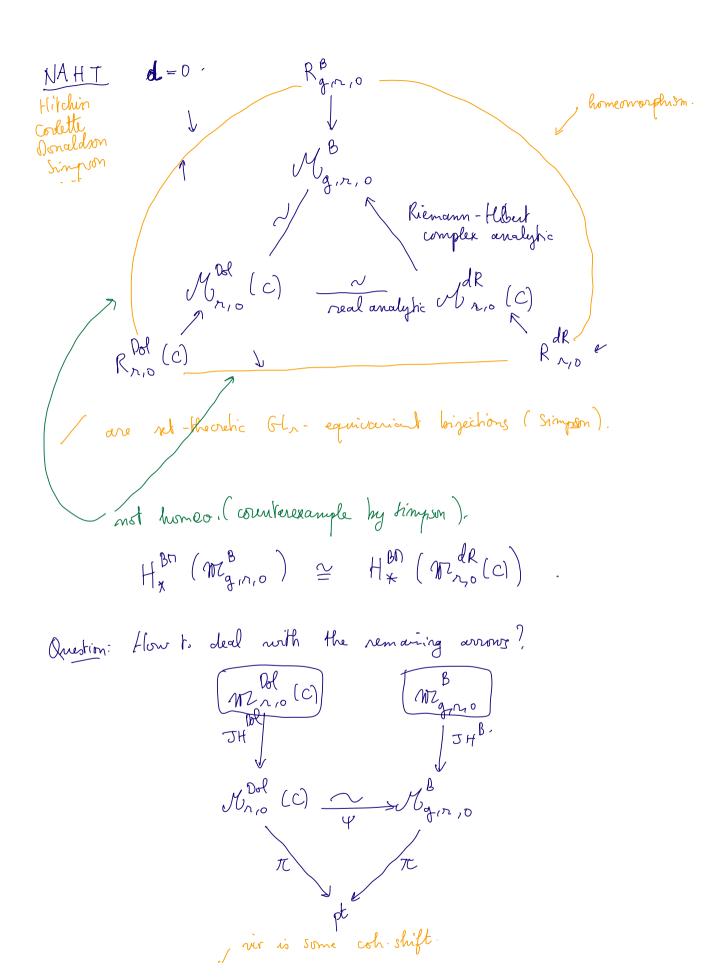
NAHT All 3 spaces are homeomorphic in particular, they have iromarphic cohomology / BT homology better behaved

Questions: 1) Can we compare the moduli stacks? non conject spaces(2) Can we at least conpare their BT homology?

Today: Yes for 2

character stack  $MZ_{grn,0}^{B} = [R_{grn,0}^{B}/GL_{R}].$ 

			studynic	g the	Ohn-copinioniant Rgmio.
(2)	Dolbeault	C ·	U (	ס	, d w.o .
				ſ	can. bundle
	V-6	Higgs field	Ø: 7 → 7 ®	k <sub>c</sub>	Gc-linear.
	n,d	stabily:	gcf, ineq	valihy	·
(2)			alg-variety polystable	par Higgs	anetring landles r,d,
	<del>*</del> /	rreduible			
	*	smooth when	(r,d) coprim	و	
	*	$2(q-1)x^{2}+2$ $M_{r,d}^{10}(c) =$	Rr, d (c) //	GLr	
			parametrises for Rrid (C)/GL	ramed	
(3)	de Rham.	J = 0			
	(f, f)	v weehion	Teibniz rule.	C	
	$\mathcal{M}_{p}^{d}$	R(C) = R(C)	: 7 → F@ K Yeilonig rule. dl (C)//Glr		
	WZ	(R) (C) =	dr (c)/6h		



B

m 0d