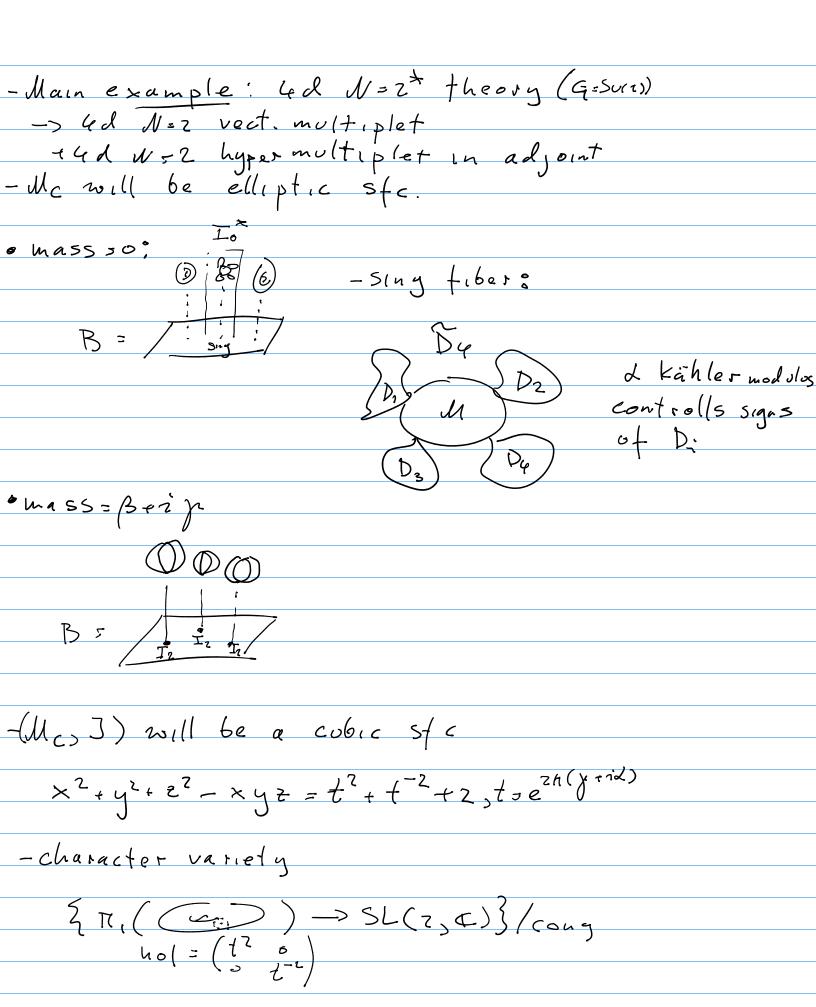
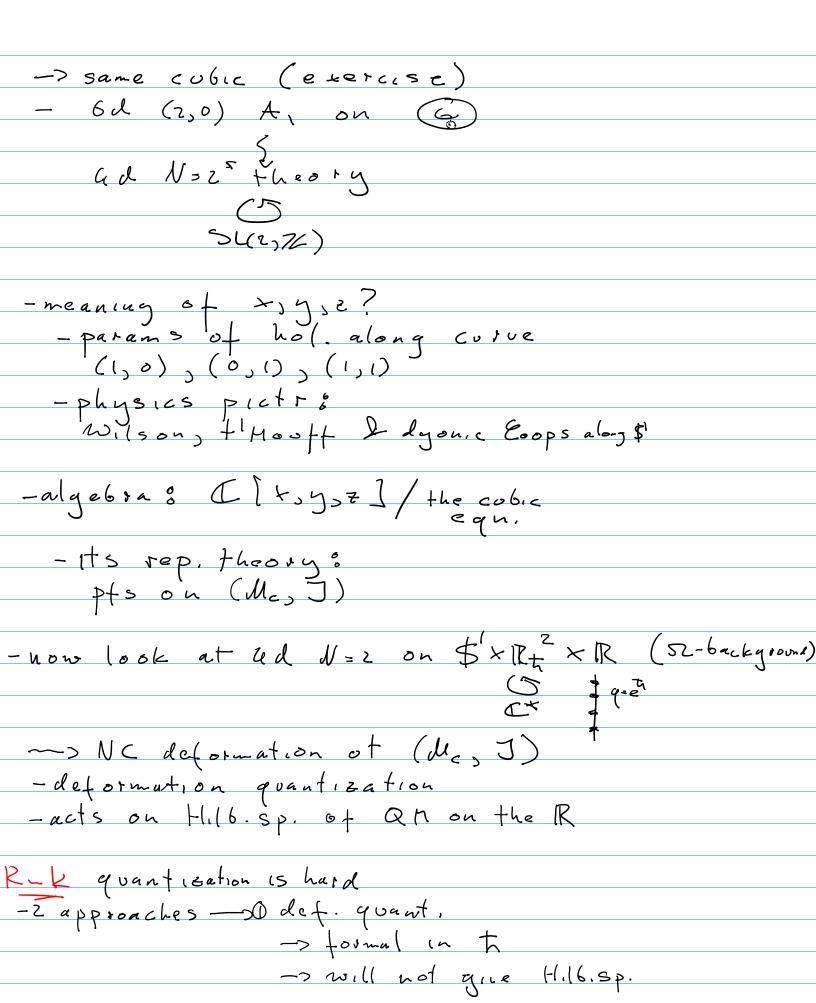
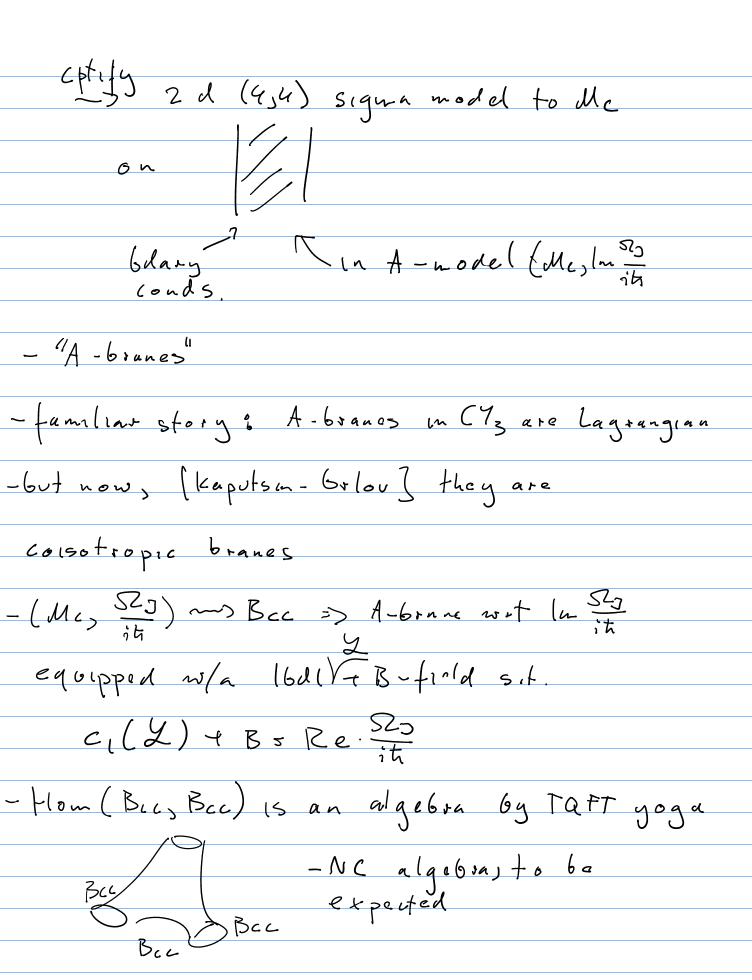
Du Pei
Brane quantization & reps. of DAHA
QFT5
geom.
J 6
Symp/cpx/alg.geom alg. of defects
symp/cpx/alg.geom alg. of defects moduli spaces promote (higher) ent. of defects
Usually related
-today: 4d N=z theories
Coulomb Operator
Coulomb Enachos Operator de la continua de la cons
Eoulomb branchs
- led N=Z theories & on IR9 B = Special Kühler On \$1 x IR3 Me = hyperKähler
Eovland branchs - led N=Z theories & on IR4 On \$1 x R3 Me = hyperKaihlon
- 11 · cox strla T 7 V
- Uc: cpx. str's I, J, K
sym. str's ω _I , ω _J ,ω _K holon. sypl. forms Ω _I , Ω _J , Ω _K , Ω _I = ω _J , iω _K et cycl
JI 1 -3 33 -2 3 4 6 4 3 ·
-> studying (MosT) gives us a majo
$+$ \sim \sim H
I with fibres F generically
D with fibres F generically B cpx lagr. tor, not Set
B- paramo by v.ev.s of loc. ops
-physically: {F 1' - of line ops along \$
al'ong s'

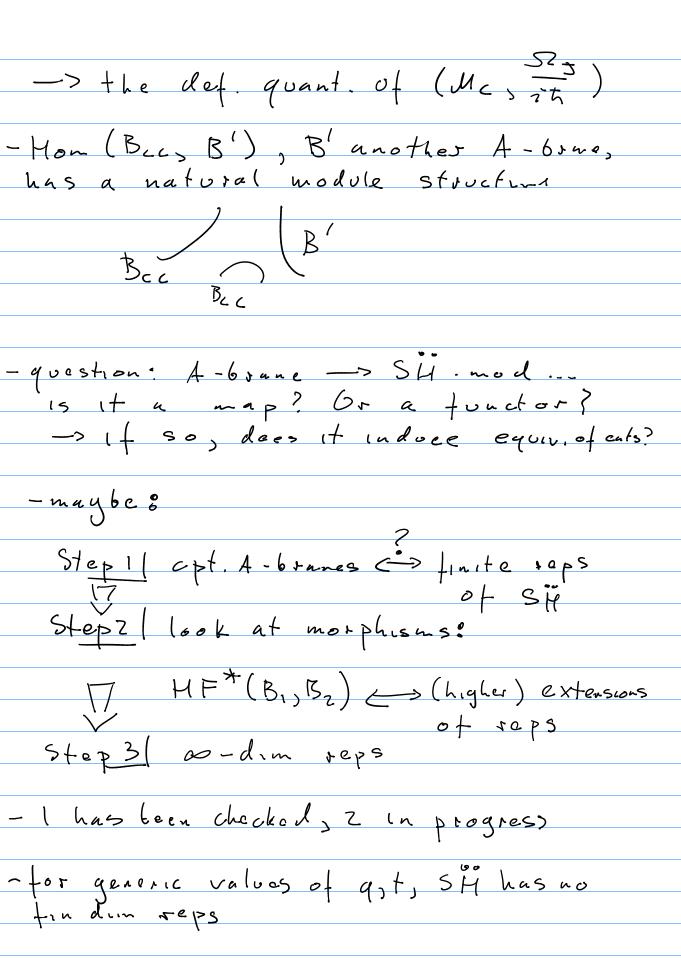




-> @ geom. quant.

-> gives Hilbisp. __ no algebra
-> bot here we get both. -[A. 66(onbor] Def. quant. of (Mcs))
gives SH (spherical double affine Heckers) Coabbi. DAMA -subaly, of D+11+ H $[x_{3}y]_{q'} = q^{-1/2} + y - q^{1/2}y + = (q^{-1} - q) = [y, z]_{q'} = (q^{-1} - q) + [z, x]_{q'} = (q^{-1} - q) + y$ -also, cubic equ becomes q" x2+ q y2+ q-122- q2xy = (q-12t-q2+")2+(q12+q-12)2 -> 9->1, tr->0; cubic equ -> t->1 (4d N=4 hn,t): Skein algebra - SH Worlta H Brane gurnt, zations - 4d N=z* on \$1 x 1R2 x 1R St-fiberel





SL(Z,Z) action on Me

3	3:9/ Subtances	dinR	interpretation?
F	9=e-11/2,	zk	Chern-Sinors th
M	t2-4, neZ,	N-71	Refine CS-+h
Di	12 g-(21+1)		(2)2/41) minimal model