Denmark planning

March-10-13 12:46 PM Plan: A complete core dump; I'll just be Re editor, controlling the order & rate of Flow of information Topics: 1. The very end (though perhaps at the start): beta calculus. 2. u, v, w braids and their proj. 3. The Hamburg story. Perhaps I should just give many of my old talks, though elucidate much more on each one? I'm a nut case. Why start planning before May 1 L May 2: Introductions: O. M-intro: "it's all about Taylor" 1. The "classical Vassilier intro". 2. Algebraic knot Theory. 3. Stonchinge. 4. Perturbative CS. S. (UVW)×(TCLH) 6. Metab B. Make a list of challenges!! 10:00 - 10:45 Lecture 11:15 - 12:00 Lecture -consider making it a wiki-list. 12:00 - 14:00 Lunch 14:00 - 14:45 Lecture 15:15 - 16:00 Lecture Consider making it a wClips-style production. - Appoint a TA for management? Pasted from <<u>http://ggm.au.dk/events/show/artikel/masterclass-may-2013/</u>>

Make a conventions cheat-sheet?

By the day:

- 0. The Kauffman bracket and the Jones polynomial (with computations!), the Alexander polynomial, Khovanov homology.
- 1. Overall introduction: (uvw)x(TCLH). Then the u-column to low algebra.
- 2. Micro-introduction: Knot theory as an excuse and it's all about Taylor. Then KZ, Kontsevich, parenthesized tangles, associators.
- 3. Second introduction: algebraic knot theory. Then KTGs to the pentagon and the hexagon.
- 4. Third introduction: Stonehenge. Then perturbative Chern-Simons theory.
- 5. Fourth introduction: Dalvit-new. Then w-tangles to the Alexander polynomial.
- 6. Fifth introduction: Dalvit-old and all about uvw-braids.
- 7. Sixth introduction: meta and beta. Then the full Vietnam story.
- 8. Trivalent vertices, Alekseev-Torossian, Kashiwara-Vergne, and Alekseev-Torossian-Enriquez.
- 9. The v-story in as much as I understand it. (A talk by Chu?)