Title: Panel Discussion

Date: Jun 23, 2010 04:00 PM

URL: http://pirsa.org/10060089

Abstract: N/A

Pirsa: 10060089

Historical perspective

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Given the self-force, what is the status of the evolution problem?

Comparing self-force/NR/PN results

- Calibration of PN models: focus on observables
- Details:

 $O(m/M)^2$ in self force calculations? Structure effects? (black holes vs. neutron stars)

Data analysis

- Can we build "hybrids" for (say) MLDC or Advanced LIGO/Virgo/ET?
- What are the science goals?

Astrophysics: e.g. measure masses/spins of quiescent BHs Tests of strong-field gravity

Cost vs. accuracy

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How is this affected by resonances/absorption?

Can the NR community speed up progress in the self-force camp?

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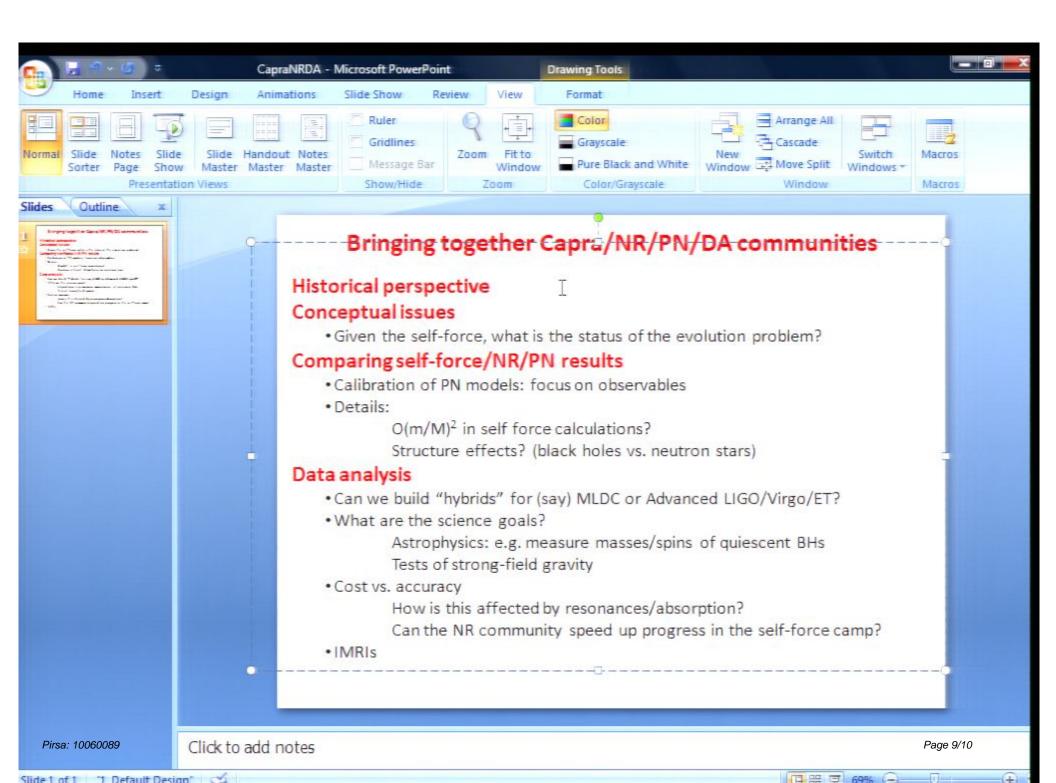
O(m/M)² in self force calculations? Structure effects? (black holes vs. neutron stars)

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