

Centre for Subatomic Theory in Canada

Overall Goal

- * Make Canada a leading player in theoretical research on key fundamental questions
- * Model: CITA
 - made Canada leader in theoretical astrophysics
 - led to Canada playing pioneering role in developing new observational approaches
 - CITA postdocs became junior faculty at universities throughout Canada
- * Challenge: find similar niche for particle/nuclear theory

Why a Theory Centre?

- venue for organizing workshops & schools
- stimulate new research directions
- effectiveness
- increased contacts between Canadian theorists
- increased research connections with leading international research centres

Theory Centre needs to be based at a University with a faculty working on cutting edge issues

Working successful examples outside of Canada:

ITP Santa Barbara

INT Univ. of Washington

Suggested Format

Centre : secretarial support
computer support
office / meeting space

organizes workshops ←
schools

Affiliates : Canadian subatomic theorists
participate in workshops
benefit from visitor programs

International Research Links
with leading research centres-abroad



Possible Budget

60 K workshops

40 K visitors (short term)

30 K visitors (long term)

30 K affiliates

30 K running expenses

45 K support ($\frac{1}{2}$ computer consultant
 $\frac{1}{2}$ secretary)

235 K