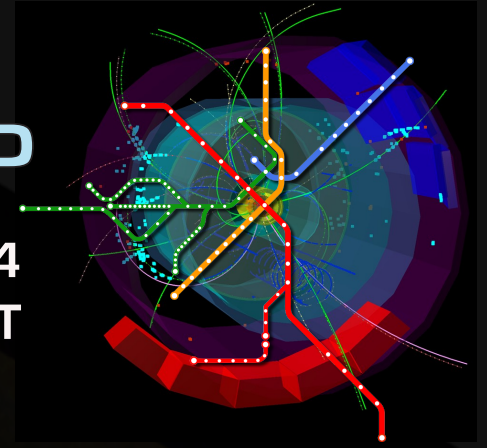


BOSTON JET PHYSICS WORKSHOP

January 21-23, 2014
Stata Center, MIT



This workshop will focus on maximizing the potential of newer, more sophisticated treatments of jets in collider physics that have emerged over the past several years. Of particular interest will be bringing physicists of various communities together to understand what experimental and theoretical uncertainties need to be brought under control, and what under-explored opportunities are present for jet physics.

ORGANIZERS

Harvard:

Marat Freytsis
David Lopez Mateos
Matthew Schwartz

MIT:

Andrew Larkoski
Duff Neill
Jesse Thaler

<http://jets.physics.harvard.edu/workshop2014>

Boston Jet Physics Workshop 2014

Organizers:

Andrew Larkoski
Duff Neill
Jesse Thaler
MIT

Marat Freytsis
David Lopez Mateos
Matthew Schwartz
Harvard

Logistics

Wireless: MIT Guest

Workshop Website:

jets.physics.harvard.edu/workshop2014

Agenda on Indico:

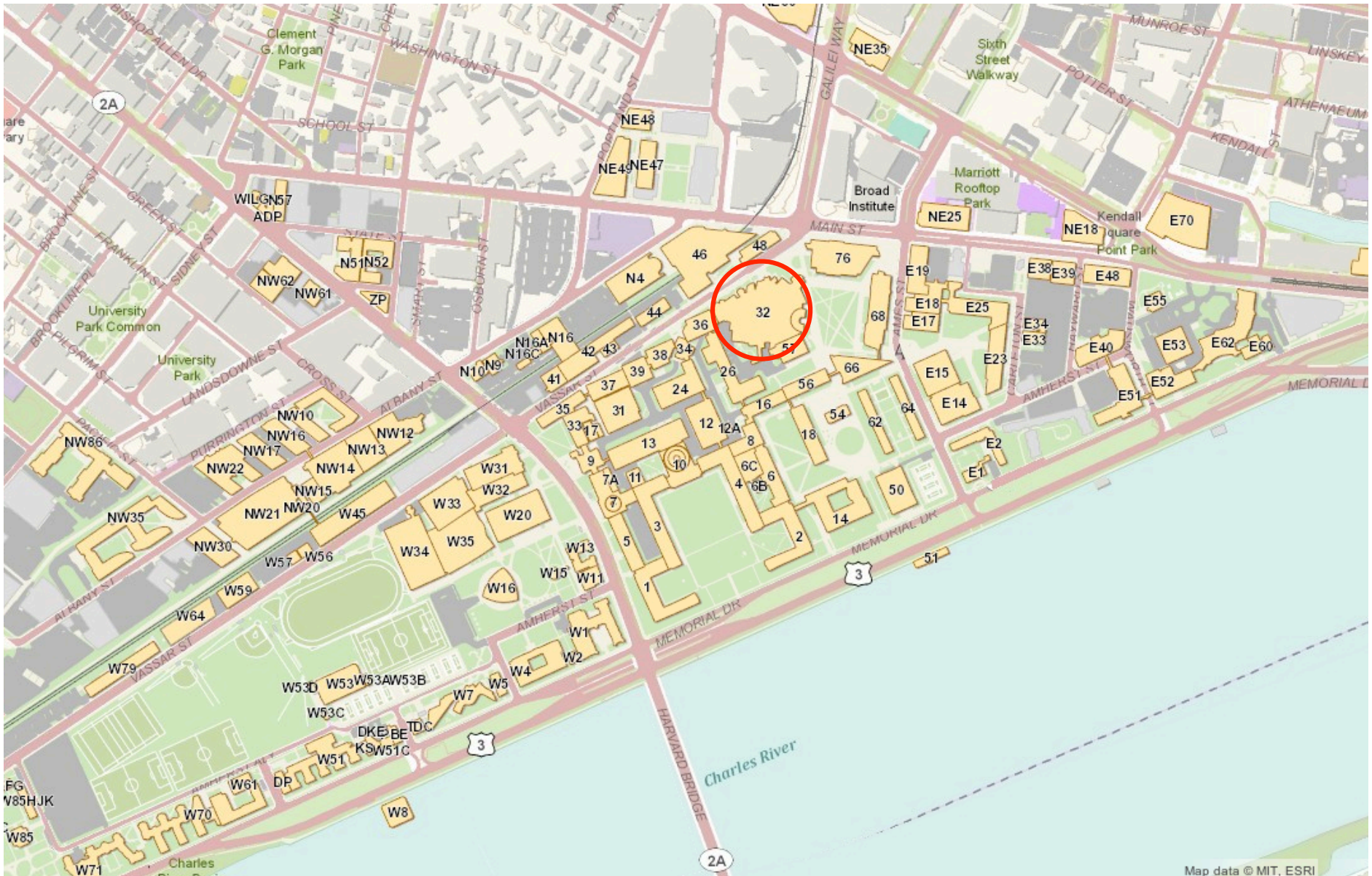
indico.cern.ch/conferenceDisplay.py?ovw=True&confId=274902

Speakers:

Please upload your talk to Indico 3+ hours before your talk

Logistics

MIT Map: whereis.mit.edu



Logistics

Coffee Breaks:
Outside this room

Lunches:
R&D Pub, 4th Floor



Everyone who registered can attend. Need an accurate head-count so please sign up for workshop dinner!

Workshop Dinner:
EVOO

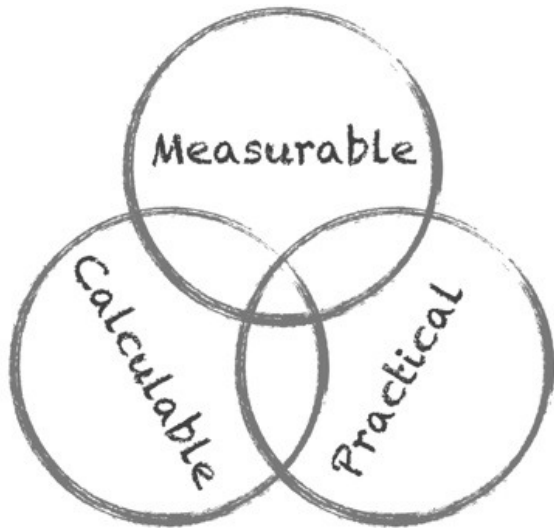
350 3rd Street, Cambridge
Wednesday, 6:30 pm

**Why is now the time for
another jet workshop?**

Where we were 3 years ago:

J. Thaler, Boston Jets 2011

Future Jet Workshops



C? M! P? “Classic” Jet Observables

C! M? P? Jets in Medium

C! M? P? Transverse Structure

C! M? P? Jet Finding vs. Jet Vetoes

C? M? P! Estimating Jet Cross Sections

C? M? P? Non-Global Logarithms

C? M? P? Monte Carlo Tuning

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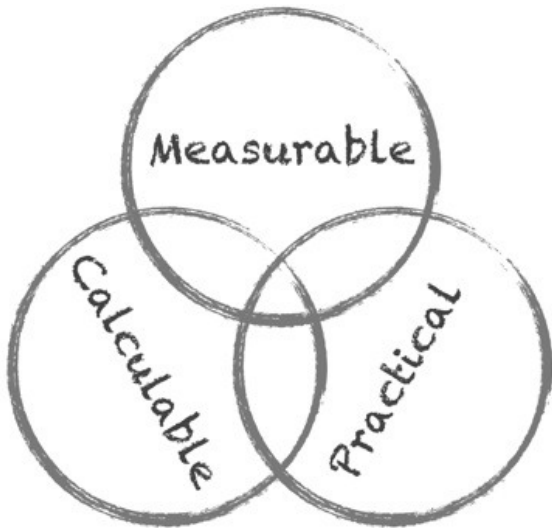
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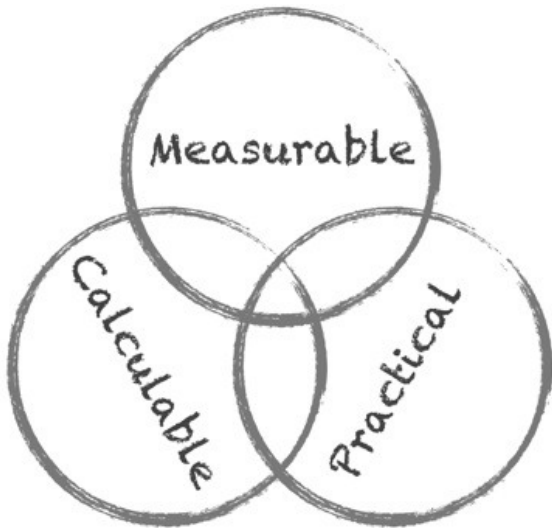
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Workshop Topics

Jets vs. Subjets vs. Particles

Issues in Soft QCD

Hammers and Nails

Precision Jet Physics

The Elegance of Jets

Assessing Standard Candles

Pile-Up Mitigation and Validation

Jet from Heavy Ions

Talk Times

Unreasonably short talk times:
15, 25 minutes

Budgeted 10-15 minutes of
discussion per talk

Only thing that is immutable is food!

Boston Jets Workshop

Organizers:

Marat Freytsis
Andrew Larkoski
David Lopez Mateos
Duff Neill
Matthew Schwartz
Jesse Thaler

Local Administration:

Joyce Berggren
Charles Suggs
Scott Morley