

**XXIX International Symposium  
on Lepton Photon Interactions  
at High Energies 2019**

**TORONTO, CANADA**

**William Trischuk, Professor of Physics  
University of Toronto**



**TORONTO**

# Why Toronto?

1. Dynamic, multicultural, urban centre
2. A strong tradition of HEP in Toronto and Canada
3. Easily accessible with direct flights from six continents
4. Excellent/proven conference facilities
5. Wide array of attractions for participants and accompaniants





# Toronto Highlights

- The Greater Toronto Area is home to 5.5 million people
- Diverse, progressive, multicultural – over 100 cultures live & work in harmony
- Safe & secure international destination
- A truly green city with a commitment to the future and sustainability
- 2<sup>nd</sup> major convention city in North America based on the 2014 ICCA City Ranking
- Excellent and proven convention infrastructure



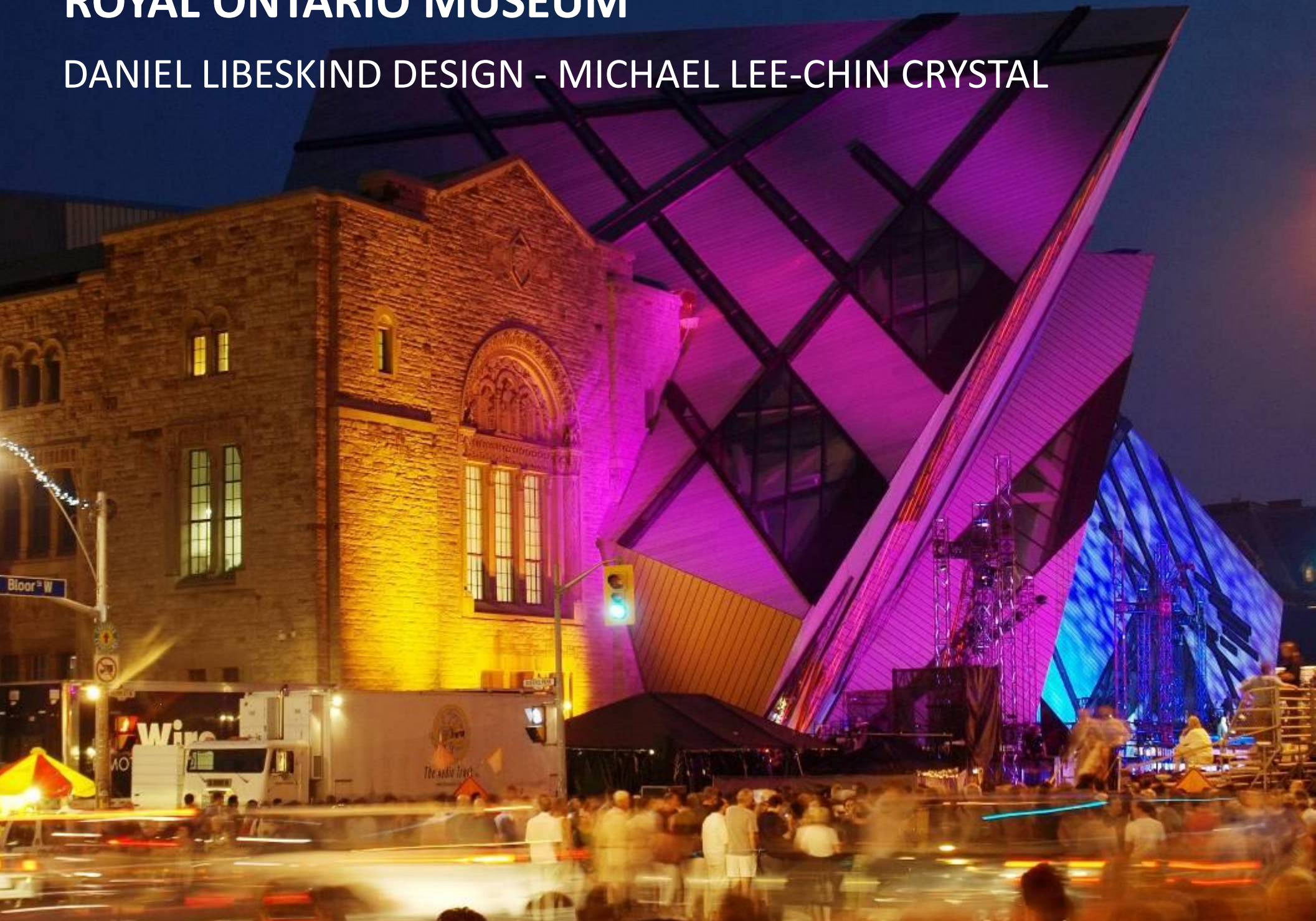


TORONTO  
**GREEN**



# ROYAL ONTARIO MUSEUM

DANIEL LIBESKIND DESIGN - MICHAEL LEE-CHIN CRYSTAL





# TORONTO AT A GLANCE



ONE OF THE **TOP 5**  
INTERNATIONAL DESTINATIONS  
FOR CORPORATE EVENTS

— Executive PA Magazine



ONE OF 2013's  
**BEST PLACES  
TO GO** — Condé Nast Traveler

ONE OF THE  
**TOP**  
TRAVEL DESTINATIONS

— Travel + Leisure Magazine (2012)

ONE OF TOP THREE  
**MOST IMPRESSIVE  
METROS  
IN THE WORLD**

(PricewaterhouseCoopers Cities of Opportunity 2012)

**230** HOTELS  
**40,000** HOTEL ROOMS



OVER **302,864** SQ. M. OF  
MEETING AND EXHIBITION SPACE

## HIGHLIGHTS

- ➔ 4<sup>th</sup> largest city in North America
- ➔ Voted 2<sup>nd</sup> most reputable city in the world - 2013 *The Reputation Institute*
- ➔ Toronto is ideally situated and well-connected as a global hub of business and commerce
- ➔ Finance, Life Sciences, and Information and Communications Technology (ICT) lead Toronto's booming multi-sectorial economy, along with Creative Industries, Cleantech and Green Energy, Business and Professional Services, Manufacturing and Materials, Food and Beverage, Film and Television
- ➔ Headquartered in Toronto, Canada's banking system, has been ranked as the most sound in the world six years in a row - *World Economic Forum*
- ➔ #2 largest financial services sector in North America
- ➔ Home to North America's largest combined life sciences sector and one of the top 10 bio-medical sectors in the world

(Sources: Invest Toronto, City of Toronto and Toronto Financial Services Alliance)



# TORONTO – A Dynamic City

- Largest annual **Caribana Festival** outside of the Caribbean
- The Largest **Pride Event** in North America and the 3<sup>rd</sup> largest event in the world – World Pride 2014
- The annual **Toronto International Film Festival** (TIFF) rivals Cannes in welcoming patrons from industry and the public
- Unparalleled selection of venues, dining, entertainment, arts, fashion, attractions, events and architecture

# REAL SPORTS BAR



# Canadian Particle Physics

- Active in HEP for 40+ years
  - Hosted ICHEP98 at TRIUMF in Vancouver
- 200 senior/permanent HEP researchers
  - Half within one hour's flight of Toronto
- A broad particle physics program
  - Past: ARGUS, BaBar, CDF/D0, OPAL, SNO, ZEUS
  - Present: ATLAS, Belle-II, SNOLab, T2K, ILC/SRF
    - SNOLAB 3 hours drive from Toronto – Satellite workshop?
- Active theory community
  - Perimeter Institute is one hour drive from Toronto
  - Host a workshop/school in conjunction with LP?



# Toronto and Particle Physics

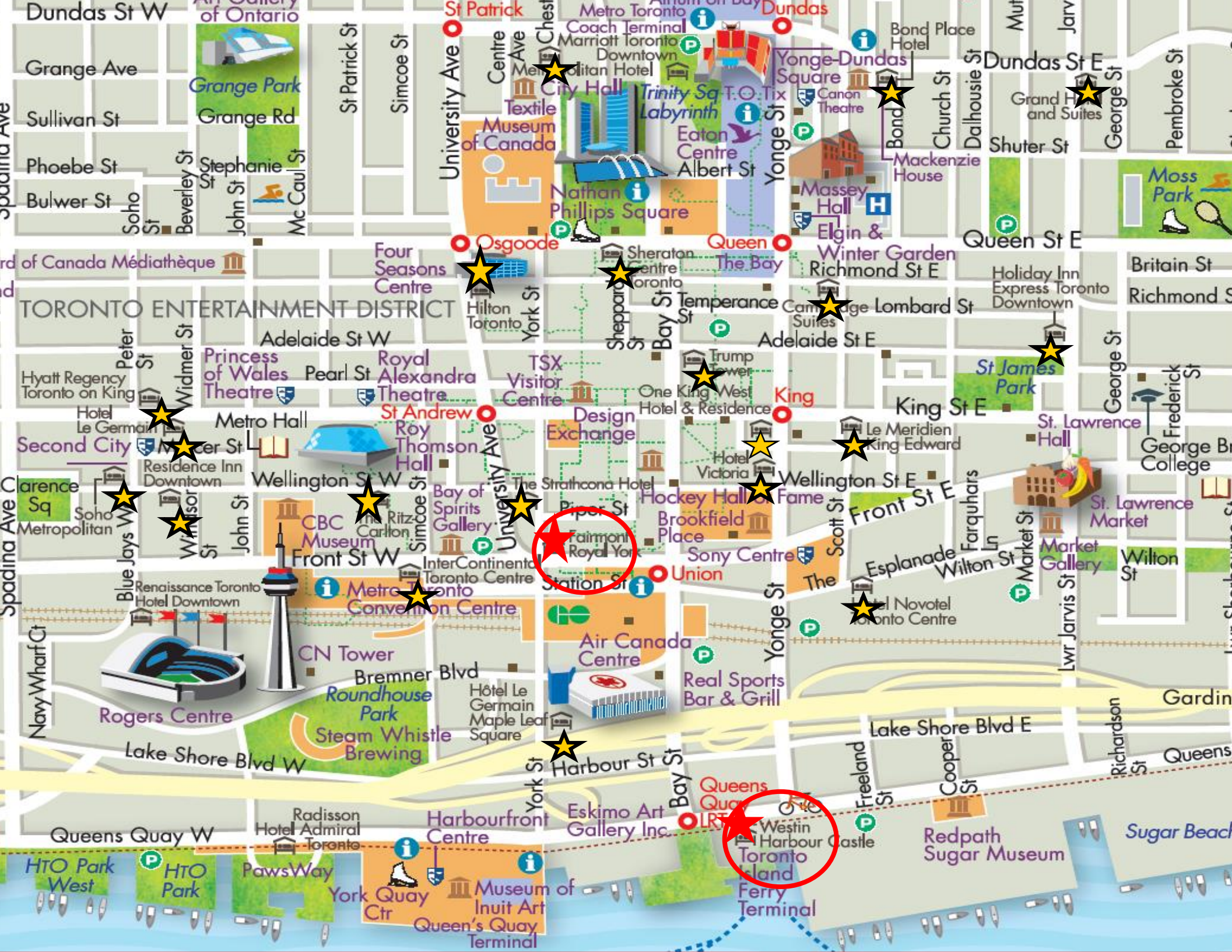
- University of Toronto has 70k students
  - Strong physics department (50 faculty, 200 students)
  - 12 HEP faculty and 35 other researchers
  - Department and University support our bid
- Have played leading roles in ARGUS, ZEUS, CDF
- Currently active on ATLAS, T2K and SRF/LC
  - Close ties to TRIUMF and SNOLAB

# Experience Hosting Meetings

- Have hosted a wide range of meetings/conferences
  - ZEUS Collaboration meeting 2000 (200 participants)
  - Strings05 (500 participants)
  - ATLAS North America workshop 2005 (130 participants)
  - Canadian Associations of Physicists 2008 (450 participants)
  - Hadron Collider Physics 2010 (180 participants)
  - PIXEL2014 (120 participants)
- Some on campus others in hotel/convention centres
- Fewer issues with foreign visitors than U.S.
- Excellent flight connections from around the world









# PROPOSED CONGRESS VENUE



# THE WESTIN HARBOUR CASTLE

- In the heart of Toronto with picturesque view of Lake Ontario
- 977 guest rooms and the only resort-like hotel with lake view from every guest room (CA\$250 single or double:2016)
- Largest hotel ballroom in Canada - 2,322 square metres, can accommodate groups of 10 to 2000
- 25 minutes from airport via direct train-link (\$12 one way)
- A comfortable 15 minute walk to the convention centre
- Adjacent to downtown PATH system – 16 miles of underground city
- 24 hour fitness centre, pool, tennis court and Spa





# Budget Accommodations available

- During summer months (July/August) University dorms are available for short-term rental

2016 Rate	Single (CAD)	Double (CAD)	Single (EUR)	Double (EUR)
UofT -- Victoria	69	93	45	61
UofT – New College	47	70	31	46
UofT – Chesnut Conf. Cntr	119	119	78	78
Ryerson Summer residences	55	62	36	40
Tartu College residences	70		46	
Campus Cooperative res.	55	65	36	42

- These are 1-3 km from proposed location
  - 10-15 minutes on public tranist or a nice walk...

# Meeting Details

- Looking at early/mid-July or mid-August dates
- Conference fee expected to cover
  - Conference venue
  - Social program
  - Public lecture/outreach
  - Support for students/participants from developing countries
- Expect to stay within 450Euro guideline
- Will seek support from University, (Canadian) particle physics labs, Canadian funding agency, IUPAP and industrial partners (already an offer from Toronto Tourism!)





CN TOWER'S EDGEWALK

# ATTRACTIONS

Thrill seekers can experience the Edge Walk or explore the Hockey Hall of Fame, home of the Stanley Cup







**DAY TRIPS** Just 90 minute drive from Toronto are fabulous regions including: **Niagara Falls**, a renowned Niagara wine region - Home of Ontario's liquid gold – the “Ice Wine” and a Butterfly Conservatory

- **Muskoka Lake Region & Algonquin Parklands**



# Ideas to increase attendance at LP

- More inclusive name than “Lepton/Photon”?
  - More comprehensive coverage of all of HEP?
- Satellite workshops
  - Perimeter Institute – theory/phenomenology workshop
  - SNOLAB – annual physics advisory committee in ‘summer’
- Poster session for junior investigators
  - Reserve a session for 5-minute talks for 5(?) best posters
- Try to minimise *competition*
  - With EPS and DPF meetings
  - Request large collaborations not hold *outside* meetings in summer





WE LOOK FORWARD TO  
WELCOMING YOU TO TORONTO  
IN 2019





# BACKUP



# TORONTO – Recent highlights

- 2015 Int'l Society for Magnetic Resonance in Medicine (6,000)
- 2015 Pan American & Para-Pan Games (250,000)

## Past Meetings:

- 2005 Alcoholic Anonymous Congress (50,000)
- 2006 International Aids Congress (26,000)
- 2010 G8 and G20 Summits
- 2014 World Pride Event (2 million)
- 2014 International Astronautical Congress (3,200)

# NEW – AIRPORT RAIL LINK TO DOWNTOWN



RUNS EVERY 15 MINUTES  
AND CONNECTS  
PASSENGERS FROM  
PEARSON INTERNATIONAL  
AIRPORT TO UNION STATION  
DOWNTOWN IN JUST 25  
MINUTES







Sheraton  
Centre Toronto  
HOTEL

# Westin Harbour Castle

**THE WESTIN**  
HARBOUR CASTLE  
TORONTO



***METRO BALLROOM – 25,000 SQUARE FEET, 16'9" CEILINGS  
2200 for DINNER, 1500 in CLASSROOM & 2500 IN THEATRE SEATING***



TORONTO

# ARTS & PERFORMANCE AND UNIQUE VENUES





**ART GALLERY OF ONTARIO**  
**FRANK GEHRY DESIGN – GALLERIA ITALIA**







# TORONTO WORLD PRIDE 2014



# TORONTO ARCHITECTURE





# TORONTO SPORT VENUES







YONGE DUNDAS SQUARE

# EXPERIENCE THE VERY BEST IN ONE CITY

- Toronto is voted the BEST CITY TO LIVE IN (The Economist 2015)
- Toronto generates one-fifth of Canada's GDP or \$263 billion





## EASY INTERNATIONAL ACCESS



66+  
AIRLINES

1,082 DAILY FLIGHTS TO AND FROM DESTINATIONS AROUND THE WORLD

- A **90-minute** (or less) flight for over 100 million Americans
- **30-minute** (or less) transfer to downtown from Toronto Pearson International Airport
- Toronto's downtown Billy Bishop Toronto City Airport offers flights to and from 18 North American destinations including Chicago, Washington and New York



9,000+  
RESTAURANTS



A diverse and cosmopolitan city, over 180 languages and dialects are spoken here.



FABULOUS  
ENTERTAINMENT  
AND NIGHTLIFE



200+   
ATTRACTIONS

INCLUDING RIPLEY'S AQUARIUM OF CANADA AND THE CN TOWER'S EDGEWALK (COVER SHOT)

HOME TO  
**TIFF**

The top film festival in North America and the leading public film festival in the world.



TORONTO INTERNATIONAL FILM FESTIVAL

Spectacular day trips to  
**NIAGARA FALLS** and  
award-winning wine regions



**THRILLING  
SPORTS**



One of the world's  
**BEST SHOPPING DESTINATIONS**







## RELAX AND REPOSE

Over 40,000 rooms in 230 hotels in the Greater Toronto Area, 16,000 in the downtown core offer a large variety of options to suit any budget needs





Sheraton  
Centre Toronto  
HOTEL

# Westin Harbour Castle

**THE WESTIN**  
HARBOUR CASTLE  
TORONTO



*IN-DOOR POOL, WHIRLPOOL FITNESS CENTRE & SPA*





Sheraton  
Centre Toronto  
HOTEL

# Westin Harbour Castle



**THE WESTIN**  
HARBOUR CASTLE  
TORONTO



# The Eaton Centre



**THE WESTIN**  
HARBOUR CASTLE  
TORONTO



- *300 Stores*
- *Two Anchor Department Stores*
- *Connected to the “Underground Path” of 16 km of shops and services*



# Westin Harbour Castle



**THE WESTIN**  
HARBOUR CASTLE  
TORONTO

**TERRACE FOR VIP RECEPTION UP TO 120 GUESTS**



# 360 REVOLVING RESTAURANT AT THE CN TOWER







RIPLEY'S AQUARIUM OF CANADA

# UNIQUE EXPERIENC ES



Ripley's Aquarium of Canada is conveniently located next to the CN Tower  
Or sample home brew at the Steam Whistle Brewery across from Ripley's

 tourism  
**Toronto**  
Toronto Convention & Visitors Association



# CARIBANA FESTIVAL







FOUR SEASONS CENTRE  
FOR THE PERFORMING ARTS



CANADIAN OPERA COMPANY