August 9-17, 2019

Art and Science in Switzerland

Featuring a Rare Visit to the Supercollider at CERN

Meg Urry
Professor of Physics & Astronomy
On behalf of the team at Yale Educational Travel, I’m excited to bring you a truly extraordinary chance to experience one of the real scientific marvels of our time. Not far from Geneva, Switzerland is the world’s most powerful particle accelerator, known as the Large Hadron Collider. This machine has helped scientists understand some of the fundamental building blocks of the universe and has led to several Nobel Prizes. In 2019 it will be shut down for enhancements, giving us this rare opportunity to offer an exclusive tour of the European Organization for Nuclear Research, also known as CERN, and the CMS detector site.

A celebration of Switzerland’s long history of the arts will balance our scientific exploration. We’ll tour some of the country’s best art collections, learn about famous Swiss artists such as Paul Klee and delve into the life and legacy of Albert Einstein. With a close look into current scientific research, important historical figures and impressive scientific sites, Art and Science in Switzerland: August 9-17, 2019 will be a once-in-a-lifetime experience.

This program will feature Yale Professor Meg Urry who will enhance your journey with insightful lectures that expand upon the tours. Meg Urry is the Israel Munson Professor of Physics and Astronomy at Yale and Director of the Yale Center for Astronomy and Astrophysics. She also served from 2013-2017 in the presidential line of the American Astronomical Society.

Our eight-day program is unique from any other, both in terms of its length and its luxurious accommodations and services designed for especially for Yale travelers. It is available to a limited number of participants, so I encourage you to reserve space as soon as possible by visiting www.yaleedtravel.org/switzerland19.

If you have any questions, please contact Yale Educational Travel at edtravel@yale.edu or 203-432-1952 to learn more.

Sincerely,

Lauren Summers
Senior Director of Alumni Lifelong Learning and Travel
Meg Urry is the Israel Munson Professor of Physics and Astronomy at Yale and Director of the Yale Center for Astronomy and Astrophysics, and served from 2013-2017 in the presidential line of the American Astronomical Society. Professor Urry received her BS in physics and mathematics from Tufts University in 1977 and her PhD from Johns Hopkins University in 1984.

Her scientific research focuses on active galaxies, which host massive black holes growing at their centers. She has published more than 280 refereed research articles on super-massive black holes and galaxies with over 20,000 citations. She is a Fellow of the American Academy of Arts and Sciences, the American Physical Society and American Women in Science, and a member of the National Academy of Sciences. She received an honorary doctorate from Tufts University, and the American Astronomical Society’s Annie Jump Cannon and George van Biesbroeck prizes.

Prior to moving to Yale in 2001, Professor Urry was a senior astronomer at the Space Telescope Science Institute, which runs the Hubble Space Telescope for NASA. She is also known for her efforts to increase the number of women in the physical sciences, for which she won the 2010 Women in Space Science Award from the Adler Planetarium.
ITINERARY
AUGUST 9-17, 2019

WELCOME CALL
Thursday, August 1, 2019 (Tentative)
Join the group at 4:00 pm Eastern for a pre-trip welcome call with Professor Meg Urry in order to learn more about what to expect and to ask questions.

DEPART THE U.S.
Friday, August 9

ARRIVE IN ZURICH,
SWITZERLAND
Saturday, August 10
Arrive at Zurich International Airport and transfer to the Widder hotel, a 5-star boutique hotel. Rooms have contemporary design and cutting-edge technology, and each is uniquely decorated with historical accents. For travelers arriving early, there is an optional afternoon excursion, including a relaxing boat ride on the River Limmat, or you may choose to spend the afternoon at leisure to relax and recover from jet lag. This evening, meet fellow travelers at a welcome reception at the hotel. The Widder Hotel (R)

ZURICH TO BERN
Monday, August 12
Depart Zurich for Bern and explore the Old City, including a visit to the former residence of Albert Einstein, the Einsteinhaus. Tour the Federal Institute of Technology (ETH) campus, where Einstein studied and taught. Specializing in natural sciences, engineering, and technology, ETH Zurich has produced 21 Nobel Prize winners. In the afternoon visit Zentrum Paul Klee. Designed by Renzo Piano, this architectural gem houses the largest collection of Klee's works in the world. Afterwards, check in to the Bellevue Palace, a classically elegant luxury hotel located in the heart of Bern, the best preserved historic town center in Switzerland and a UNESCO World Heritage Site. Bellevue Palace (B,L,D)

BERN TO GENEVA
Wednesday, August 14
Prior to departing to Geneva, spend the morning at the Einstein Museum. Savor a traditional Raclette luncheon in Gruyeres, spend the afternoon at Chillon Castle, the most visited historic building in Switzerland. The castle sits on a rocky islet along the shores of Lake Geneva and consists of 25 buildings and three courtyards, protected by two circular walls. For nearly four centuries Chillon was the residence and profitable toll station of the Counts of Savoy. View the wall paintings from the 14th century and explore the parade halls and subterranean vaults dating back to the time of Bernese rule. Afterwards, check in at the elegant Beau Rivage,
a 5-star property located on the famous Quai du Mont Blanc lakeside promenade and opposite the iconic Jet d’Eau fountain. **Beau Rivage (B,L)**

**GENEVA**

**Thursday, August 15**

Depart for a full day excursion beginning with a guided visit of the Musée d’Histoire des Sciences. Located in Perle du Lac Park and housed in Villa Bartholoni, one of Geneva’s most beautiful neo-classical buildings, this museum traces Geneva’s rich scientific past. Following lunch at Auberge de L’Onde in St. Saphorin, tour the grounds and enjoy a private wine tasting at Clos des Abbayes, a historic wine estate from the 11th century not open to the public. The evening is free to explore Geneva. **Beau Rivage (B,L)**

**GENEVA**

**Friday, August 16**

In the morning we depart for CERN, the European Organization for Nuclear Research, one of the world’s largest and most respected centers of scientific research. Special arrangements have been made for a private, guided tour and exclusive presentation of CERN. The most powerful instrument ever built to investigate the properties of particles, the Large Hadron Collider (LHC) will help us face tantalizing questions whose answers will profoundly impact our understanding of nature and of the universe. Five experiments at CERN, with huge detectors, are studying what happens when proton beams collide head-on. The LHC will be shut down for maintenance during our visit, offering a rare opportunity to descend underground to see some of this impressive equipment up close. Savor the morning experience over lunch at the famed Domaine de Châteauvieux, awarded two Michelin stars and overlooking the breathtaking Rhône Valley. **Beau Rivage (B,L)**

Participants are expected to be in good health and capable of walking unassisted over uneven terrain. Please note that the underground portion of the visit to the Large Hadron Collider at CERN (CMS detector) is not appropriate for pregnant women, children under 10 years of age, or travelers with mobility issues, claustrophobia, vertigo, or who have undergone chemotherapy. Travelers with pacemakers and other ferromagnetic medical implants will not be allowed to visit the underground facilities. Please note these restrictions do not apply to the main exhibits, Visitors’ Center and gift shop at CERN, which will also be part of the tour. Participants with the aforementioned conditions may also be allowed access to the aboveground portion of the CMS detector facilities. Note that unusual special actions at CERN can cancel any underground visits at the last moment.

**RETURN TO THE U.S.**

**Saturday, August 17**

Check out of the hotel and transfer to Geneva International Airport for return flights to the U.S. **(B)**

*Included meals indicated each day as B/L/D = Breakfast/Lunch/Dinner.*
Program Rates, per person

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<th>Amount</th>
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<tr>
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**AIRFARE:** Airfare is not included in the program rates.

**GROUP SIZE:** 34 participants

**WHAT IS INCLUDED:**
- Educational program lectures and discussions with Yale professor, Meg Urry
- All accommodations and meals as specified in the itinerary
- All excursions as specified in the itinerary
- Scheduled transfers on group arrival and departure days
- Baggage handling
- Gratuities to porters, wait staff, guides, and drivers
- Entrance fees
- Welcome reception
- House wine, beer, and soft drinks with lunches and dinners
- Bottled water on motor coaches
- Professional tour manager throughout the program
- Emergency medical evacuation services with UHC Global Assistance

**WHAT IS NOT INCLUDED:**
- Airfare
- Travel insurance
- Optional excursions or deviations from the scheduled tour
- Excess baggage charges
- Transfers other than those specified as included
- Meals not specified in the itinerary; dishes and alcoholic beverages not part of the included meals
- Laundry or dry cleaning
- Telephone, email, and fax charges
- Room service
- Other items of a personal nature

**ITINERARY CHANGES:**
The itinerary presented for this tour is subject to modification and change by Yale Educational Travel andCriterion Travel (the tour operator). Every reasonable effort will be made to operate the program as planned; however, should unforeseen world events and conditions require the itinerary to be altered, Yale Educational Travel and the tour operator reserve the right to do so for the safety and best interest of the group. Any extra expenses incurred in this situation are the responsibility of the participant.

**A NOTE ABOUT COSTS:**
Tour costs are based upon current taxes, tariffs, and a minimum number of participants. While we will do everything possible to maintain the listed prices, they are subject to change. If there are significant changes, details and costs will be advised prior to departure.

**AIR ARRANGEMENTS** Airtreks, is our preferred provider for airline arrangements for this trip and can be reached at (800) 350-0646. You are also welcome to book your air transportation through your local travel agent, an online travel site, or the airline of your choice. PLEASE NOTE: U.S. domestic and international airfare is not included in the program rates. Economy-class airfare between New York and Zurich/Geneva is approximately $1,500 per person as of December 2018 and is subject to change without notice.

Reserve Your Trip 203.432.1952
Book online: yaleedtravel.org/switzerland19
To reserve, return this form with your deposit of $1,000 per person to YET. Final payment is due April 11, 2019.

1) NAME AS ON PASSPORT

DATE OF BIRTH

YALE CONNECTION

PASSPORT ORIGIN

RELATIONSHIP TO OTHER GUEST

2) NAME AS ON PASSPORT

DATE OF BIRTH

YALE CONNECTION

PASSPORT ORIGIN

RELATIONSHIP TO OTHER GUEST

Contact Information

ADDRESS

CITY/STATE/ZIP

PRIMARY PHONE

SECONDARY PHONE

E-MAIL

Payment Options

☐ Pay by check made out to Criterion Travel

Please charge the deposit of $1,000 per person to:

☐ AMEX ☐ Visa ☐ Mastercard ☐ Discover Card

CARD NUMBER

EXPIRATION DATE

SECURITY CODE

Accommodations

Once we receive your request for space, we will contact you regarding your rooming preferences at the lodges providing accommodations for this program.

Bed preference in hotels (not guaranteed):

☐ Two beds ☐ One bed

☐ I wish to have a single accommodation (limited availability; please call).

☐ I will share accommodations with ____________.

☐ I’d like to know about roommates.

I am a ☐ smoker ☐ non-smoker

I understand that if a roommate cannot be found by the final payment deadline of April 11, 2019, I will pay the single rate.

I/We confirm that I/We have carefully read the Terms and Conditions and Responsibility section of this brochure and agree to their terms

SIGNATURE(S) DATE

SIGNATURE(S) DATE

TERMS AND CONDITIONS

RESERVATIONS, DEPOSITS, AND FINAL PAYMENT: To reserve a space on this tour, please mail a deposit of $1,000 per person payable to “CRITERION TRAVEL,” along with the completed reservation form, to: Yale Educational Travel, Yale Alumni Association, PO. Box 209010, New Haven, CT 06520-9010 or fax the completed form to (203) 432-0587. Deposits may be charged to a credit card. Reservations are acknowledged in order of receipt. Final payment is due Thursday, April 11, 2019.

CANCELLATIONS AND REFUNDS: All cancellations must be in writing to Yale Educational Travel. Refunds, less a cancellation fee of $300 per person, are made if we are notified in writing on or before Thursday, April 11, 2019. No refunds are made after that date. There are no refunds for unused meals, accommodations, or other trip features.

WHAT TO EXPECT: Participants are expected to be in good health and capable of walking unassisted over uneven terrain. Please note that the underground portion of the visit to the Large Hadron Collider at CERN (CMS detector) is not appropriate for pregnant women, children under 10 years of age, or travelers with mobility issues, claustrophobia, vertigo, or who have undergone chemotherapy. Travelers with pacemakers and other ferromagnetic medical implants will not be allowed to visit the underground facilities. Please note these restrictions do not apply to the main exhibits, Visitors’ Center and gift shop at CERN, which will also be part of the tour. Participants with the aforementioned conditions may also be allowed access to the aboveground portion of the CMS detector facilities. Participants sensitive to altitudes may have difficulty participating in the all-day excursion to the Jungfraujoch, which sits at an elevation of over 11,000 feet. If you have any questions about your ability to participate fully on this itinerary, please call Yale Educational Travel at (203) 432-1952.

INSURANCE: Yale Educational Travel highly recommends the purchase of trip cancellation insurance. If participants purchase trip insurance, and we hope that they do, participants are free to purchase the insurance of their choice. Most travel insurance must be purchased within 7-10 days of paying a deposit in order to include certain provisions including pre-existing conditions.

California Seller of Travel Program

CST #2088800-40
Art and Science in Switzerland: Featuring a Rare Visit into the Supercollider at CERN

Meg Urry
Professor of Physics & Astronomy

August 9-17, 2019

Explore CERN, one of the world’s largest centers for scientific research, with a rare opportunity to visit the underground Large Hadron Collider while it is temporarily shut down.

View some of Switzerland’s most important art collections, including a visit to the celebrated Zentrum Paul Klee in Bern.