The 17th International Workshop on Tau Lepton Physics
University of Louisville
Louisville, Kentucky, USA

Scientific program:
Properties of τ leptons
τ production at lepton and hadron colliders
Precision electroweak physics
CP Violation and flavor mixing
Neutrino physics
Lepton universality and flavor violation
Decays involving τ leptons
Hadronic τ decays and QCD
Electric and magnetic dipole moments
Future opportunities in τ physics

Website: http://indico.cern.ch/e/TAU2023

Local organizing committee:
Swagato Banerjee (University of Louisville) - Chair
Emile Passemard (Indiana University) - Vice-Chair
Jon Urheim (Indiana University) - Vice-chair
David N. Brown (Western Kentucky University)
Chris L. Davis (University of Louisville)

International advisory committee:
Michel Davier (LAL, Orsay, France)
Denis A. Epifanov (BINP & Novosibirsk State University, Russia)
Cristina Galea (Radboud University, The Netherlands)
Kenji Shibli (Nagoya University, Japan)
Tetsu Iajima (Nagoya University, Japan)
Alberto Lusiani (Scuola Normale Superiore & INFN Pisa, Italy)
Yuri Kuznetso (JINR, Moscow, Russia)
William Marciano (BNL, USA)
Klaus Mönig (DESY, Hamburg & Zeuthen, Germany)
Vittorio Paschke (University of Pittsburgh, USA)
Antonio Pich (IFIC, University of Valencia – CSIC, Spain)
Lee Roberts (Boston University, USA)
Michael Roney (University of Victoria, Canada)
Achim Stahl (RWTH Aachen University, Germany)
Zbigniew Was (Institute of Nuclear Physics PAN, Krakow & CERN PH-TH)
Liangliang Wang (IHEP, China)
Changzheng Yuan (IHEP, China)
Zhiqing Zhang (LAL, Orsay, France)
Bus schedule to come from the Galt House in the morning
https://indico.cern.ch/event/1303630/page/30190-accommodation

<table>
<thead>
<tr>
<th>6 minute walk to W Market @ S 5th</th>
<th>Link to Google Map</th>
<th>Link to Google Map</th>
<th>Link to Google Map</th>
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</thead>
<tbody>
<tr>
<td>Bus 28 to Floyd Street Garage</td>
<td>8:01</td>
<td>8:16</td>
<td>8:31</td>
</tr>
<tr>
<td>Arrival at Student Activity Center [East entrance]</td>
<td>8:20</td>
<td>8:35</td>
<td>8:50</td>
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</table>

Bus schedule to come from the Hilton Garden Inn in the morning
https://indico.cern.ch/event/1303630/page/30190-accommodation

<table>
<thead>
<tr>
<th>2-minute walk to Crittenden @ Cracker Barrel</th>
<th>Link to Google Map</th>
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<tbody>
<tr>
<td>Bus 2 to Eastern Parkway @ Speed School</td>
<td>7:42</td>
<td>8:17</td>
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<tr>
<td>Arrival at Natural Science Building</td>
<td>7:47</td>
<td>8:22</td>
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<tr>
<td>10-minute walk to Student Activity Center [West entrance]</td>
<td>7:57</td>
<td>8:32</td>
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</table>
For those coming by bus 2, please follow the yards signs to the SAC West entrances.
Entrance from bus 28 is at the East entrance to the SAC, adjacent to the Floyd Street Garage.

Visitor parking at Floyd Street Garage
Plenary presentations are being held in the Floyd Theater

Late registrations are being held in the Floyd Theater [Courtsey: Dr. Sourav Patra]
Lunch and coffee breaks are being held in the Multipurpose Ballroom
LOUISVILLE, Ky. — Wednesday marks exactly 150 days until Kentucky Derby 150, and Churchill Downs is marking the occasion with several events.

Free Kentucky Derby Museum admission

The Kentucky Derby Museum is offering free admission Wednesday from 10 a.m. to 7 p.m. for an event called Race to 150, a community event designed to immerse visitors in the culture and traditions of the Derby.

The museum will also be gathering memorabilia for a Derby 150 Time Capsule, so bring some, and it is giving the first 150 guests a commemorative Race to 150 gift.
Wednesday’s social event and dinner banquet will be at the View Pointe Hall in the Ali Center

• Session after lunch is scheduled to end at 3:30 pm

• Start arriving at Ali Center around 4 pm [bus schedule on next page]

• Social event: visit to “Museum” part of the Ali Center from 4 to 5 pm [closes at 5 pm]

• Bourbon tasting at the View Pointe Hall starts at 5:30 pm [accompanied with appetizers]

• Dinner banquet at the View Pointe Hall starts from 7 to 9 pm [last request at bar by 8:30 pm]
For internet connectivity, please see https://louisville.edu/its/wireless/wireless

**Eduroam**
is the preferred UofL wireless network for students, faculty and staff based on the most secure encryption and authentication standards available. Our eduroam wireless service provides secure access for users on campus from other participating institutions that also utilize eduroam. Logging-in to verify your UofL credentials to initially set up the service is required. Use our ITS on-boarding tool to begin. See details for more information on this wireless network and extending your account for wireless access at other participating universities and institutions. A configuration guide for specific devices is also available for assistance.

**ULvisitor**
allows for open, short-term use. With no sign-in required, this connection is primarily for UofL’s visitors and guests who need wireless access. WiFi sessions on ULvisitor are limited to 6 hours on HTTP and HTTPS sites and sessions automatically log out after 30 minutes of inactivity.
Compact view of the timetable is at:
https://indico.cern.ch/event/1303630/timetable/?view=nicecompact
The 17th International Workshop on Tau Lepton Physics (TAU2023)

4–8 Dec 2023
US/Eastern timezone

Timetable: https://tinyurl.com/ZoomT23

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>09:00</td>
<td>Announcements</td>
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<tr>
<td></td>
<td>Swagato Banerjee</td>
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<td></td>
<td>09:00 - 09:05</td>
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<tr>
<td>10:00</td>
<td>Tracking Down the Origin of Neutrino Mass</td>
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<td></td>
<td>Julia Gehrlein</td>
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<td></td>
<td>09:05 - 09:30</td>
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<tr>
<td>11:00</td>
<td>Neutrino &amp; Dark Matter Connections</td>
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<td></td>
<td>Kevin James Kelly</td>
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<td></td>
<td>09:30 - 09:55</td>
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<tr>
<td>12:00</td>
<td>New Physics in Neutrino Oscillations</td>
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<td></td>
<td>Adam Jude Autiano</td>
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<td>09:55 - 10:20</td>
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<td>10:20</td>
<td>Coffee break</td>
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<tr>
<td>11:00</td>
<td>The Euclidean Adler function and its interplay with low-energy data</td>
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<td>Sialpha_s</td>
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<td></td>
<td>Antonio Rodriguez Sanchez</td>
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<td>10:50 - 11:10</td>
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<tr>
<td>11:10</td>
<td>New Physics in Hadronic Tau Decays</td>
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<td></td>
<td>David Diaz Calderón</td>
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<td>11:10 - 11:30</td>
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<tr>
<td>11:30</td>
<td>Renormalon subtraction in hadronic tau decays</td>
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<td></td>
<td>Dr Hiromasa Takaura</td>
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<td></td>
<td>11:30 - 11:50</td>
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<tr>
<td>11:50</td>
<td>Update on alpha_s from hadronic tau decays</td>
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<td></td>
<td>Maarten Golterman</td>
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<td>11:50 - 12:10</td>
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<tr>
<td>12:10</td>
<td>Difference between fixed-order and contour-improved perturbation theory</td>
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<td>Santi Peris</td>
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<td>12:10 - 12:30</td>
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<tr>
<td>12:30</td>
<td>Lunch</td>
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<tr>
<td>Time</td>
<td>Session</td>
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<tr>
<td>13:00</td>
<td>Searches for New Physics that couple with third generation fermions</td>
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<tr>
<td>13:30</td>
<td>Search for LFV with tau leptons in the final state</td>
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<tr>
<td>13:50</td>
<td>Measurements of Higgs boson properties in decays to two tau leptons and search for lepton-flavor-violating Higgs boson</td>
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<tr>
<td>14:30</td>
<td>Searches for new phenomena in final states with taus using the ATLAS detector</td>
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<tr>
<td>14:50</td>
<td>Measurement of the tau-lepton pair production from photons and tau g-2</td>
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<tr>
<td>15:10</td>
<td>Measurement of the anomalous magnetic moment in ultraperipheral collisions with ALICE at the LHC</td>
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<tr>
<td>15:30</td>
<td>Social event and banquet</td>
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</tbody>
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