NuFACT 2022 Proposal

Carsten Rott
University of Utah
- Salt Lake was founded in 1847 and now has about 200,000 residents
- Salt Lake City Metropolitan area ~1.2M
- Urban development on Wasatch front (Salt Lake-Ogden-Provo ~2.6M)
- Climate: cold and snowy winters, hot and dry summers.
- Winter Olympics 2002, and candidate for 2030
- Lying in the Salt Lake Valley, the city is surrounded by mountains and the Great Salt Lake.
- Salt Lake is a thriving modern community, and the Salt Lake City International Airport is the lifeblood of that growth.
- Fastest growing state in the US (population) and #2 in GDP growth.

TRAX  |  Hogle Zoo  |  Red Butte Garden  |  Salt lake temple
Salt Lake City (SLC) International Airport is a Delta Hub and has connections to most major US cities + several direct international flights including destinations in Europe, Canada, Mexico.

- International connections currently reduced due to pandemic impact …
- New airport terminal at SLC was completed in 2021
University of Utah

- Founded in 1850
- Total student enrollment of 33,000
- Pac12 School
- ~270 P&A majors
• 35 Faculty
  • High-Energy Astrophysics
  • High Energy Physics Theory
  • Condensed Matter Theory & Experiment
  • Astronomy & Astrophysics
  • Biophysics
  • Physics Education / PER

Neutrino Experimental Participation or Theoretical Interest

- IceCube
- JSNS
- DUNE
- Hyper-Kamiokande
The Cliff Lodge at Snowbird Ski Resort

511 guestrooms featuring refrigerators and flat-screen televisions. Complimentary wireless Internet access keeps you connected, and cable programming is available for your entertainment. Private bathrooms with shower/tub combinations feature designer toiletries and hair dryers. Conveniences include safes and desks, as well as phones with free local calls.
Three Ballrooms with 200+ capacity (can be combined in a large meeting room)

Several conference for 50+ participants
• Elevation: 2,500m / 8100 feet
• Weather in August: High of 22°C / 72F
  Low of 10°C / 49F
  Rain 6 days / Sun 25 days
• Many more activities!
• Near by peaks ~3,300m
  • Numerous hiking opportunities near the hotel
  • Numerous outdoor and recreational activities
  • Snowbird to Salt Lake City ~ 20min by car

https://www.snowbird.com/
• ICRC Salt Lake City, Utah, 17-25 August 1999
  • ~1000 participants

• ~15 workshops since 2009 in the SnowPAC, SnowDark, SnowCluster, SnowDOG, SnowTIGER conferences series
  • 50-150 participants each workshop

http://www.physics.utah.edu/snowpac/past_workshops.html
Have some time before or after NuFACT

- Opportunity to visit some of the most stunning National Parks before or after the conference
- Few hours drive to Monument Valley, Zion National Park, Gobblin Valley State Park, Arches National Park,
Proposal

- Host NuFACT2022 in Snowbird, Utah, during Aug 2022, off season for more economical hotel rates and a few month away from Neutrino 2022
  - Cliff Lodge Availability Jul 31-Aug 6 or Aug 7-Aug 13, 2022
  - Alternative venues Dear Valley, Park City, or Salt Lake City
- Hosting the conference in Snowbird
  - A relaxing venue with stunning views and land scape.
  - Connect with other conference participants in a cosy venue
  - Easy travel to Salt Lake from Snowbird (~30min)
- Make the conference accessible to students and early career scientists participation through subsidized hotel rates and apply to NSF/DOE for participant support and have secured some University support

- Local Organizing Committee:
  - Carsten Rott (Chair)
  - Yue Zhao (Co-chair)
  - Paolo Gondolo
  - Pearl Sandick
- Administrative support
- University Conference Services

We are looking forward to welcome you for NuFACT2022 in Utah