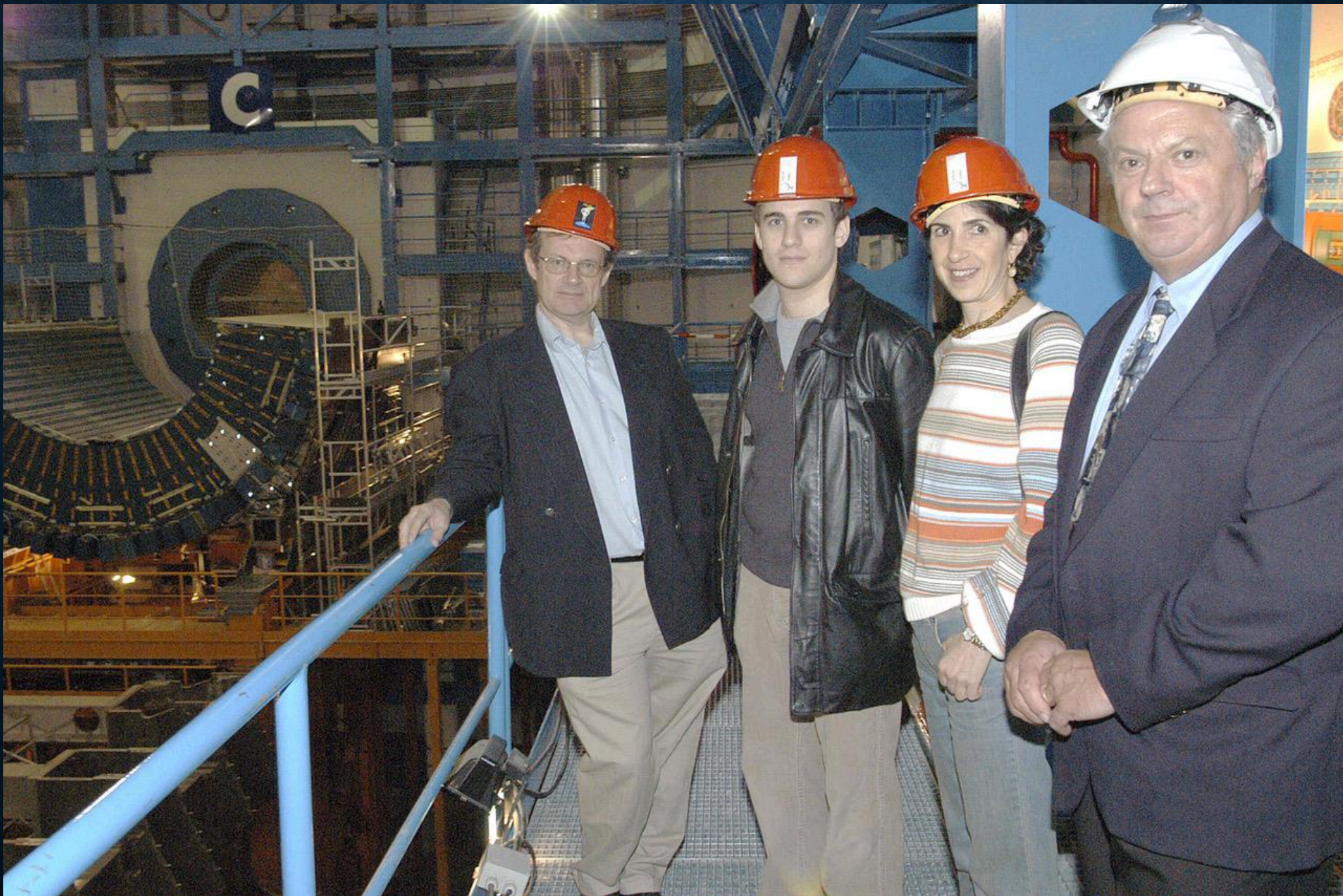


PROF BRIAN FOSTER

Getting Sidetracked!

My first physics encounter.





1954-2004
50 CERN

PPARC
Particle Physics
Research Council
1995-2008

JACK LIEBECK & KATYA APEKISHEVA

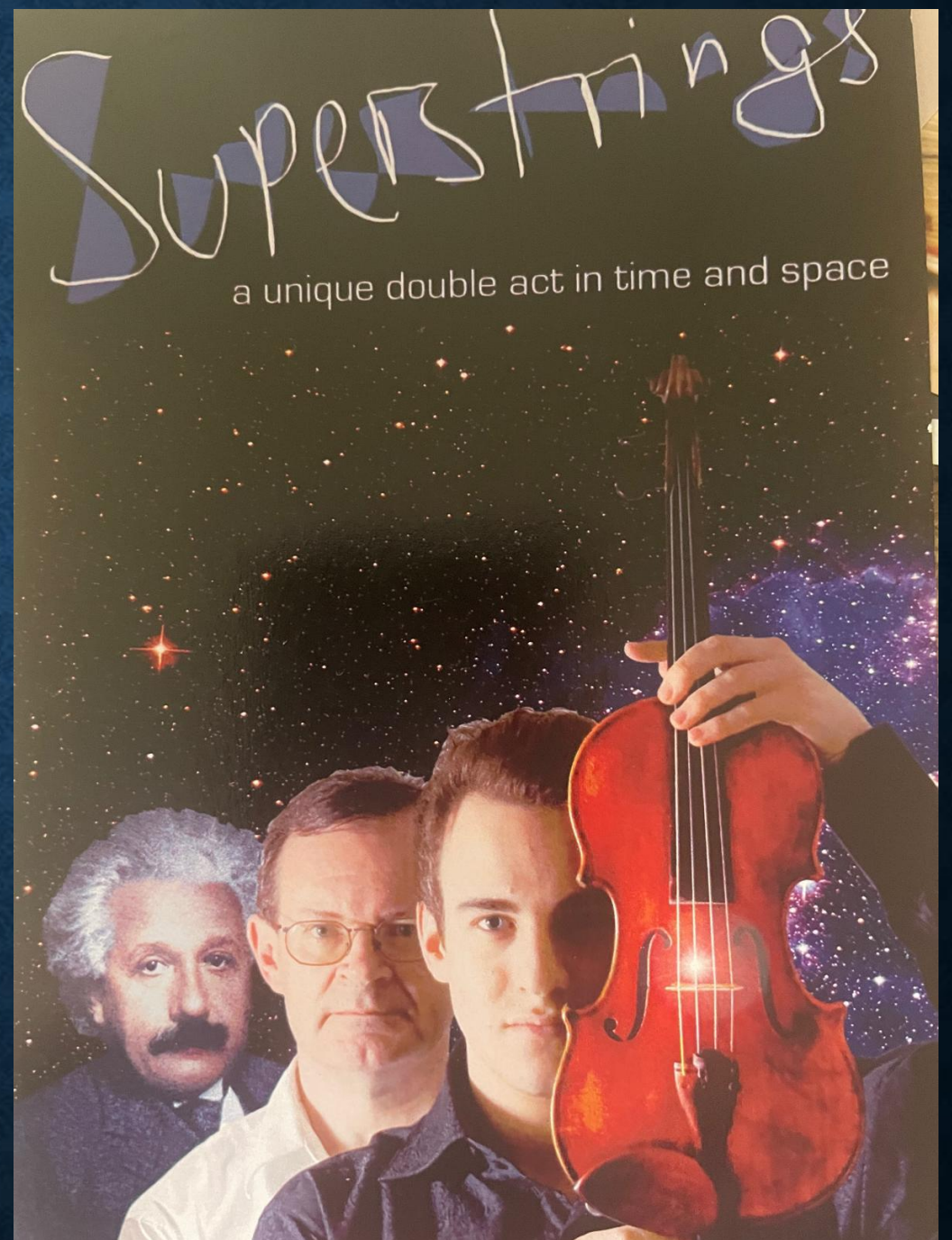
GALA CONCERT TO CELEBRATE
50 YEARS OF CERN

MONDAY 11TH OCTOBER 2004 AT 8PM
MAIN AUDITORIUM

WORKS FOR VIOLIN & PIANO
DEBUSSY SONATA IN G MINOR
PROKOFIEV SONATA NO. 1 IN F MINOR
INTERVAL
BEETHOVEN KREUTZER SONATA

FREE TO ALL MEMBERS OF
CERN STAFF & THEIR FAMILIES

2005 World Year of Physics Tour –





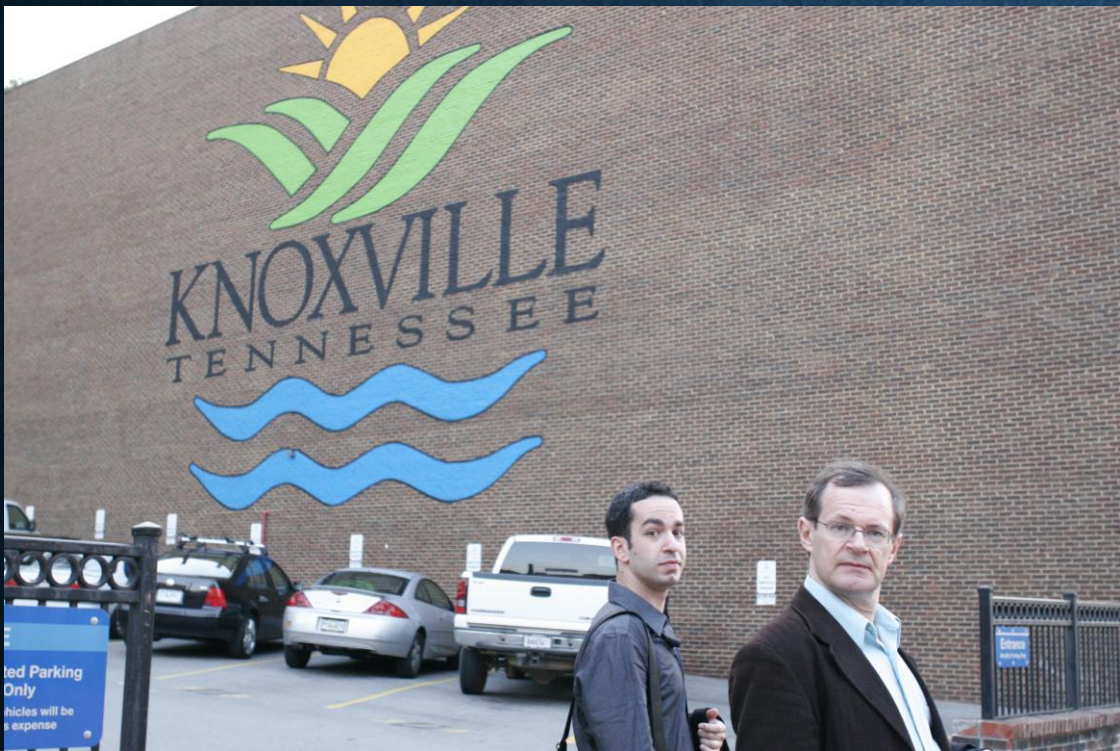
Natural Habitat...





With Ian Shipsey









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Lab faces challenges and change

"This past year was another outstanding year for the Laboratory," Director Michael Anastasio told employees Wednesday in his semi-annual Lab update. "We had many challenges and we met them. There are more challenges ahead and it will require all of us to pull together to face them. It will mean some change—but I think it will be for the better."

His one-hour address covered five major topics: safety; accomplishments during the past year; the budget; contract competition; and positioning the Laboratory for the future.

Safety

Anastasio began by highlighting safety and making special note that we are entering the holiday season. He stressed the importance of recognizing those special, if infrequent, hazards that are part of the holidays, "whether it is cutting the turkey with a newly sharpened knife



Michael Anastasio

PHOTOGRAPH BY MICHAEL BROWN/NEWSLINE

or climbing the ladder to clean gutters or put up holiday lights. Spend an extra moment to think about

See ANASTASIO, page 7

Lab's FY06 budget takes shape as appropriations bill makes its way through Congress

By Bob Hirschfeld

NEWSLINE STAFF WRITER

Many Lab programs moved a step closer to receiving their FY06 budget this week, after the House of Representatives approved the Energy and Water Development Appropriations conference agreement on Wednesday.

It will be considered next week in the Senate. Contingent upon approval by the Senate and the President, the Department of Energy will develop allocations for its sites, including LLNL, based upon the figures recommended in this bill.

The bill provides funding for all DOE programs including the majority of the efforts at the Laboratory that are managed by DOE's Office of Science and the National Nuclear Security Administration (NNSA).

The NNSA funding includes \$1.63 billion in defense nuclear nonproliferation and \$6.43 billion in weapons activities that are close to the budgets requested by President Bush.

The weapons activities include funding for the Lab's programs in directed stockpile work, the Advanced Simulation and Computing Campaign, the Inertial Confinement Fusion and High Yield

See BUDGET, page 8

Aurora project teams bring forth initiatives for Lab's 2025 vision



Predictive knowledge systems to extract insight from massive data sets to assist in global security, a new external user laser facility, research and development to understand what happens at the membrane of proteins, and transformational materials research and development that supports nuclear weapons and the future of fusion.

These are a few of the initiatives brought forth by team members as part of Aurora, the Lab's 2025 strategic vision process.

At his all hands meeting on Wednesday, as well as a special meeting for the more than 100 Aurora participants on Tuesday, Director Michael Anastasio discussed the various initiatives and ways the Lab will fund and address

See AURORA, page 7

Modern physics in concert with Einstein theories

By Charles Osofin

NEWSLINE STAFF WRITER

Two very different types of strings — the kind that produce sublime music, and the kind that spring from elegant theories about the nature of the universe — were the focus of Monday's Director's Distinguished Lecturer Series presentation.

Particle physicist Brian Foster of Oxford University and British violinist Jack Liebeck entertained and stimulated an overflow audience in the Bldg. 123 auditorium with a review of the last 100 years of physics theory, punctuated by musical inter-

See DDLS, page 4



BOB HANCOCK/NEWSLINE

Violinist Jack Liebeck (left) was joined by Brian Foster, for a duet by the 18th century composer Luigi Boccherini, at the conclusion of Monday's DDLS. Foster, a professor of experimental physics at Oxford University, punctuated his topic, "Einstein to Superstrings," with Liebeck's violin virtuosity. The backdrop shows Einstein playing the violin as well.



Doing some HOME work

— Page 3



New year, new LLLWA officers

— Page 5



Prosnitz strikes balance in Science

— Page 8

Korean Food





Royal Society of New Zealand and Chamber Music NZ Tour



Only time Brian lost his focus...













Around 30,000 have been to see our lectures...!
Countless children being put off both Particle Physics
and the music of Bach and Mozart.

Mission accomplished



Never meet your heroes...



The Birth of *Oxford May Music*







Made fabulous friends – Bill and John – our LA connection





DESY Retirement concert at Hamburg Elbphilharmonie





Most recent lecture in Lisbon





A Natural Born Performer...

*“M.C. Foster - rapper extraordinaire, his long awaited Gangsta-Physics Rap Album, **“Guns Don’t Kill People, High Energy Gamma Rays Do”**, will be out very soon...”*

Physics News 2023



