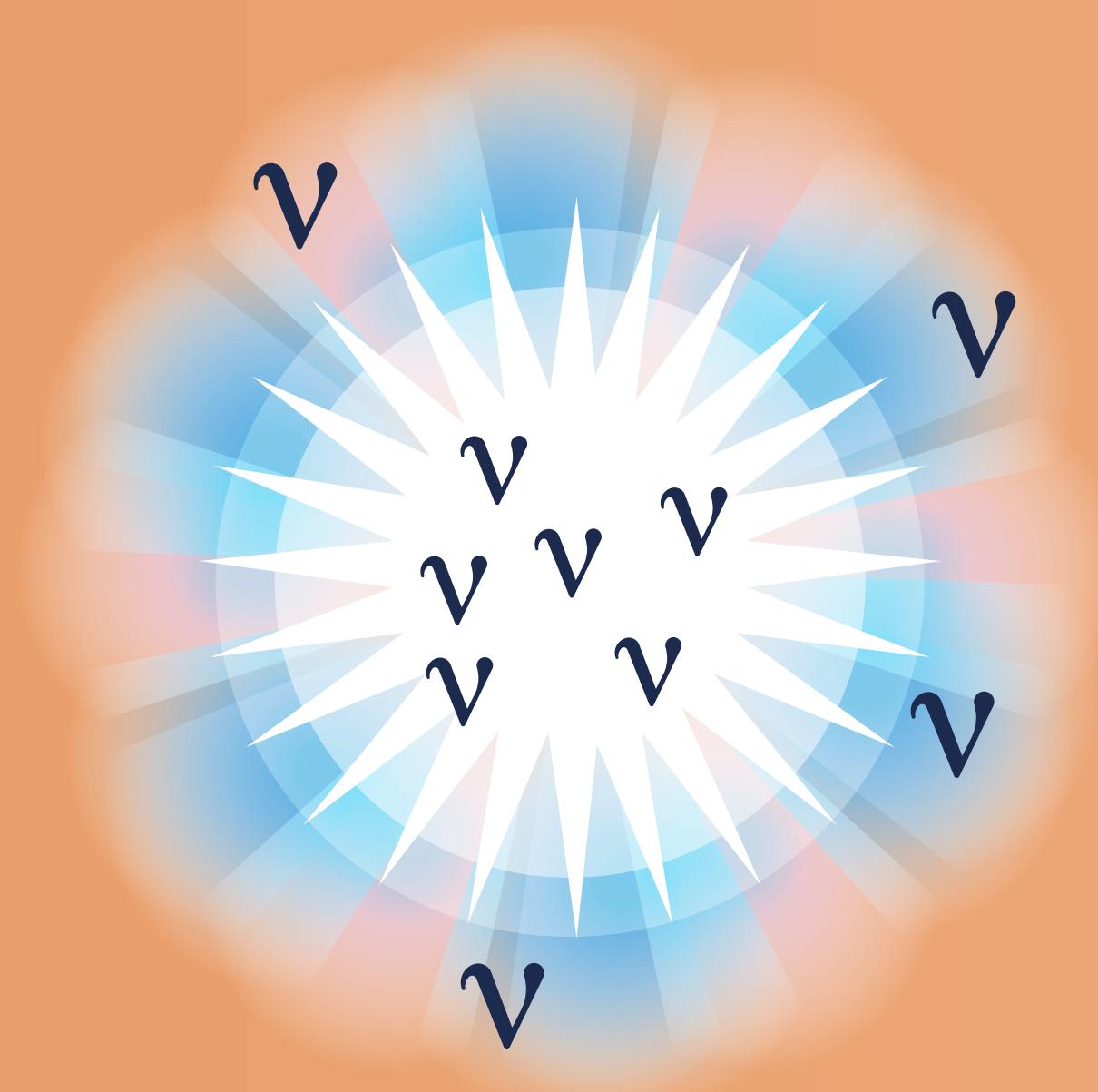


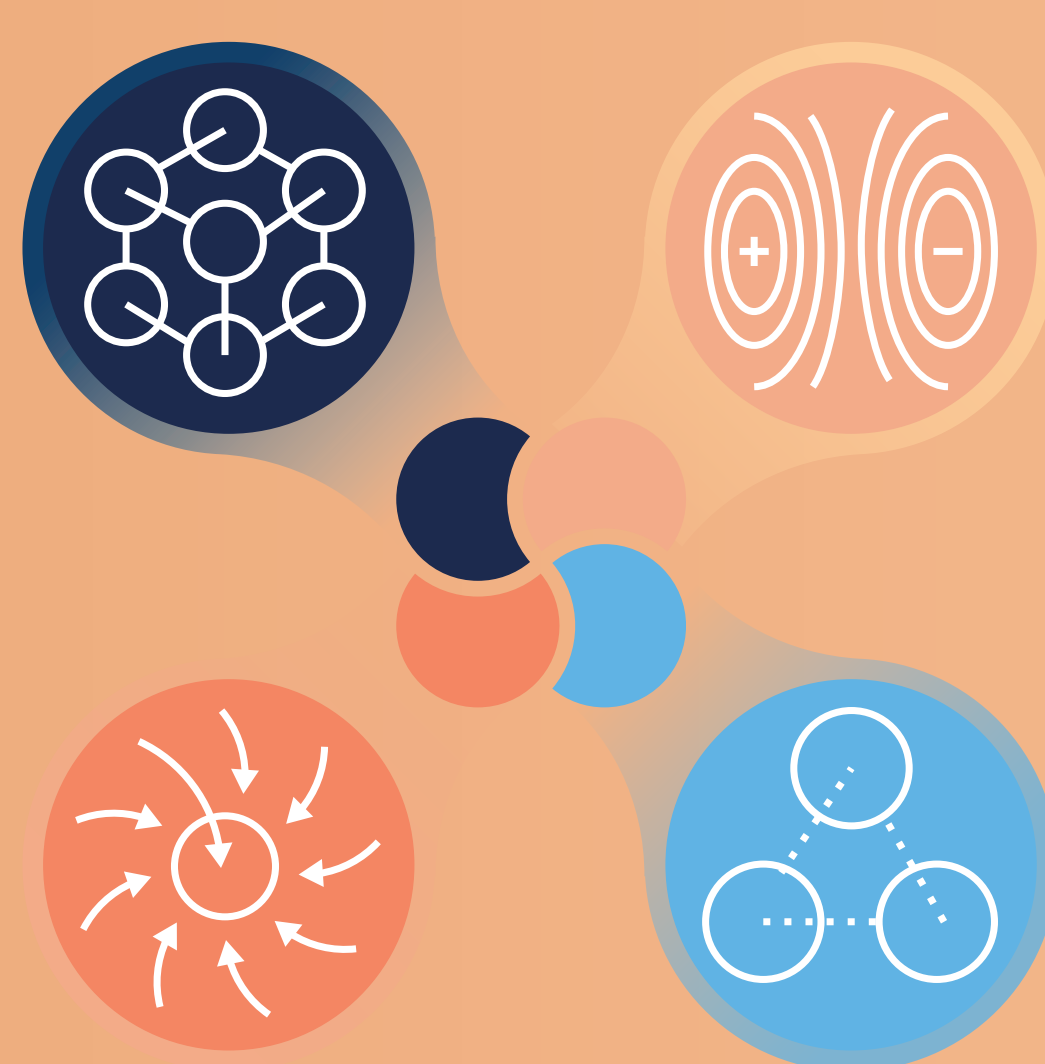
# DUNE BY THE NUMBERS

The international Deep Underground Neutrino Experiment will be the largest physics experiment ever hosted in the United States. Scientists from over 30 countries will use DUNE to solve the deepest mysteries about neutrinos and their role in the universe.

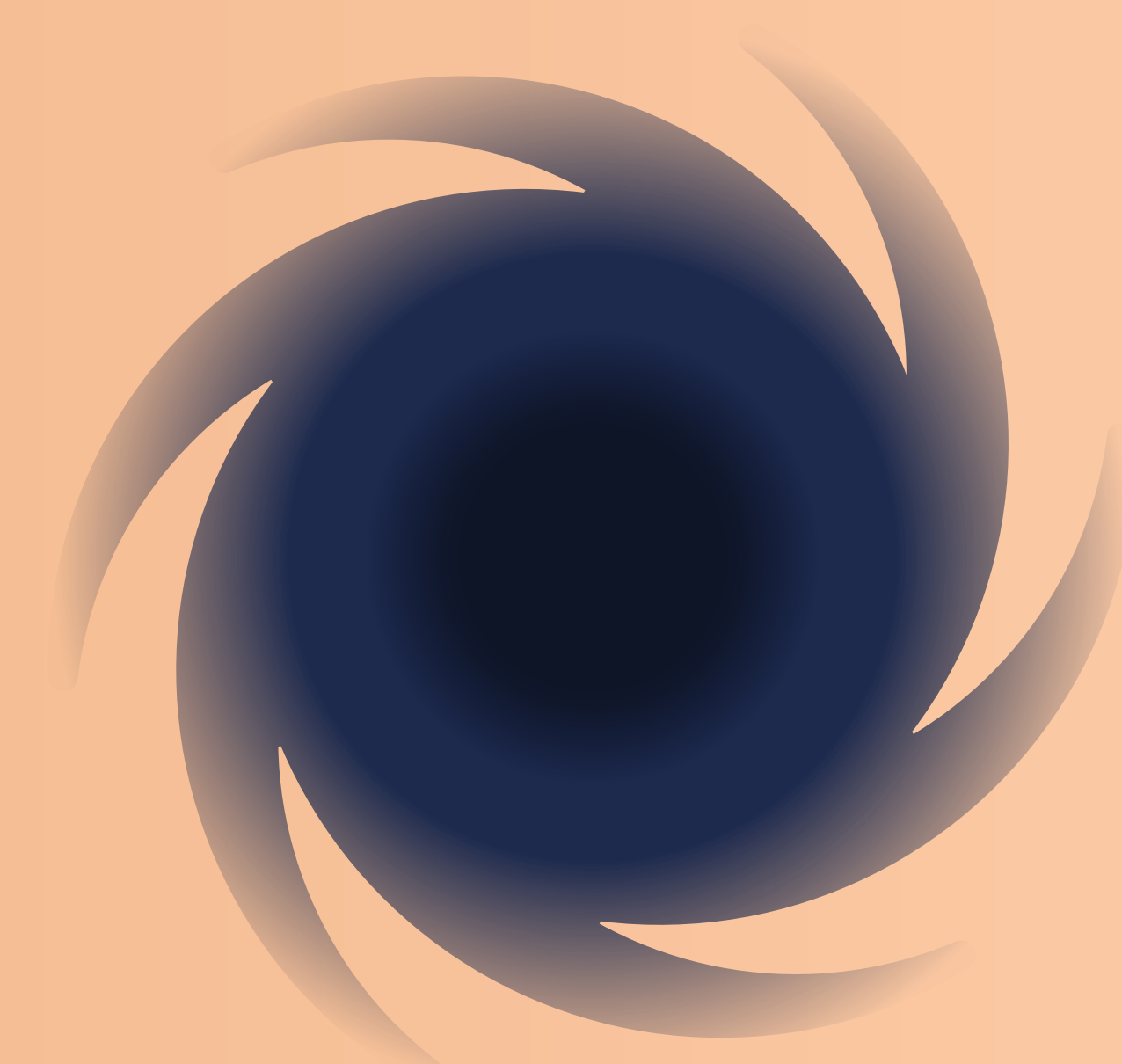
## Origin of Matter



## Unification of Forces



## Black Hole Formation



## 3 TYPES OF NEUTRINOS

Discovered so far, including the discovery of the tau neutrino at Fermi National Accelerator Laboratory

## 10 TRILLION NEUTRINOS

Number of neutrinos from the sun that go through your body every second, even when it is dark

## 1,000 PEOPLE

Number of scientists and engineers working on DUNE

## 0.004 SECONDS

Time that neutrinos need to travel the 800 miles (1300 kilometers) from Fermilab in Illinois to the Sanford Underground Research Facility in South Dakota

## 1.2 MILLION WATTS

Power of the Fermilab proton beam that will create neutrinos for DUNE

## 800,000 TONS

Approximate amount of rock to be excavated at Sanford Lab to create the caverns of the Long-Baseline Neutrino Facility, which will host the large particle detectors of DUNE

## 4 NOBEL PRIZES

Awarded for the discovery of neutrinos and the observation of neutrino oscillations, the science at the core of DUNE

## -300 DEGREES FAHRENHEIT

Temperature of the liquid argon in the DUNE particle detectors (-184 degrees Celsius)

## 70,000 TONS

Amount of liquid argon necessary to fill the DUNE detectors, 100 times more than previous detectors of this kind

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