**General background:**

Scientists Minerba Betancourt, Daniel Elvira, and Juan Estrada were recently awarded a DOE Workforce Development for Teachers and Scientists (WDTS) grant with the goal to develop and execute outreach activities aimed at promoting a more diverse spectrum of applicants to WDTS’s Science Undergraduate Laboratory Internships (SULI) program, Community College Internships (CCI) program, and the Office of Science Graduate Student Research (SCGSR) program. Their program, Vamos a Fermilab (Let’s go to Fermilab), targets Hispanic American students in STEM enrolled in Community Colleges and Universities in the Chicago area. It consists of a couple of recruitment events to be held at Fermilab during the Summer-Fall of 2022. The distinctive characteristics of the program are the establishment of strong and long-lasting partnerships with the educational institutions (who will select the students), a mentoring team for each student (a Fermilab STEM professional and a teacher), and a preference for underprivileged students.

**Program details:**

Nine partner institutions have signed up for 2022: University of Illinois at Chicago, Northern Illinois University, Dominican University, DePaul University, Harold Washington College, Waubonsee College, Moraine Valley Community College, Joliet Junior College, Kennedy-King Community College. They will recruit a total of approximately 20 students by the end of February or the beginning of March at the latest. The main event of the program is the “2022 Summer Recruitment Event” consisting of a series of talks about the CCI and SULI programs (<https://science.osti.gov/wdts>), tours of Fermilab facilities, and the opportunity to shadow a Fermilab STEM professional for a few hours per day over a three days period. Examples of STEM areas are particle and accelerator physics, detector, software, and computing activities, quantum science, emerging technologies such as AI, etc. The program will arrange for transportation if necessary and pay a per diem to the students when visiting Fermilab for the tours and shadowing events.

**Mentoring teams:**

Each student will be assigned a mentoring team composed by a teacher at their institution and a STEM professional at Fermilab. The responsibilities of Fermilab STEM professional are to provide the student a shadowing opportunity. The student will follow and observe the STEM professional while they do their job. The STEM professional will describe their everyday work, show their equipment, illustrate what they do with examples or demonstrations, answer questions, share stories, etc. The mentoring team will actively recruit the student for the DOE internship programs and assist them in the preparation of the application material.

**Special arrangements due to COVID restrictions:**

In the proposal, the summer recruitment event would be held on a fixed date during three consecutive days with in-person attendance to the talks, tours, and shadowing experience. Due to the unpredictability associated with the COVID pandemic, we are not organizing the summer activities as a single three-days event. Instead, talks will be held via zoom, and tours will be arranged in small groups on different days/times. For the shadowing experience, the Fermilab mentor will agree with the student the days/times most convenient for them during the Summer-Fall 2022, not necessarily contiguous. Teachers are not required to shadow the STEM professionals, but a visit of the teacher to get acquainted with the Fermilab person is encouraged. The plan is to make the students and teachers Fermilab affiliates so that they have the necessary flexibility to visit the lab and the students can receive a per diem.