

OUR GUESTS:

Joanna Kiryluk

Associate Professor of Physics
Department of Physics and
Astronomy, SBU



Professor Joanna Kiryluk is studying deep space particles. She conducts her research with the IceCube experiment, located at the South Pole, which uses one cubic kilometer of Antarctic ice to detect "ghost"-like particles called neutrinos.

Space around us is filled with neutrinos. About 100 trillion neutrinos pass through your body each second, without leaving any trace.

IceCube, which has enough ice to fill 2 billion refrigerators, is large enough to capture some of the rare events when neutrinos interact with matter and leave traces, so we can "see" them.

Joanna is a proponent of a Women in Science and Engineering (WISE) program.



Abhay Deshpande

Professor of Experimental Nuclear
Physics, Stony Brook University (SBU)

Abhay Deshpande, a professor of experimental nuclear physics at Stony Brook University (SBU), and the Director of Electron-Ion Collider at Brookhaven National Laboratory

Prof. Deshpande is trying to understand the contributions of quarks, antiquarks, and gluons to the spin of the proton. The instrument Abhay is using for his research is the Relativistic Heavy Ion Collider (RHIC) at Brookhaven National Laboratory.

Currently, Prof. Deshpande is involved in the design and construction of a new Electron-Ion Collider (EIC) which will help to further investigate how quarks are "glued" together forming the building blocks of visible matter in our Universe.

IN THE NEWS:

Last week U.S. Department of Energy has said it will build a next-generation nuclear physics facility — an electron-ion collider (EIC) — at Brookhaven National Laboratory. And with that tool, questions about the heart of the atom will be answered in Upton.

[READ MORE](#)

THE EVENT IS FREE

Café Nova

AT STONY BROOK

www.schoolnova.org/nova/cafenova

Thursday
January 23, 2020
6 - 9 pm

If you are a High School student who considers Mathematics and/or Science as your career, you are invited to visit CaféNova at Stony Brook.

Each month you will meet with like-minded peers, undergraduate and graduate researchers from Stony Brook University, as well as postdoctoral fellows and faculty from SBU and other universities in an informal setting!

Café Nova Specials:

Coffee and Tea
Cookies and Pastries
Great Time
Interesting People
Engaging Discussions
Board Games

***BYOQ: Bring Your Own Questions!**

Stony Brook University

Department of Mathematics
Basement Level -S240

Hosted by: Marina Polonskaia, Ph.D and
Tatiana Portnaya, Ph.D.

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nova** 

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