



KCETA Colloquium

Software for Large Astroparticle Physics Projects - The Example of Radio Detection of Neutrinos

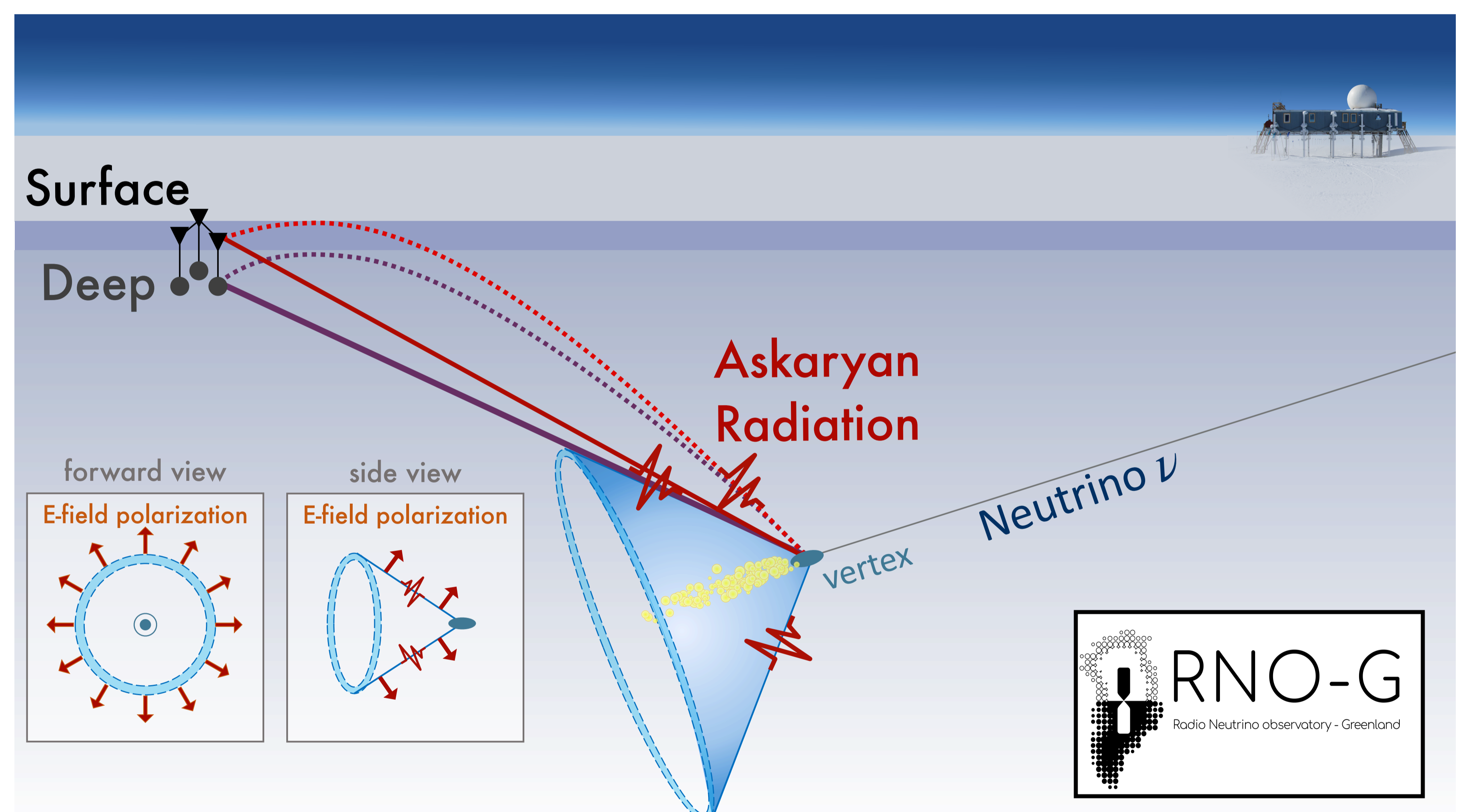
Thursday, June 29, 2023

B401 SR 410 (CN) 15:45 - 17:00

Prof. Anna Nelles

(Friedrich-Alexander-Universität Erlangen-Nürnberg & DESY)

All research in multi-messenger astronomy relies on software. However, only a (small) fraction of the software is written and developed by people who have an explicit training for these tasks and is set-up in a long-term maintainable way. This seminar is targeted in particular at early career scientists, who carry out these software tasks every day.



I will tell the story of NuRadioMC, the current standard tool for simulating neutrino interactions for radio detectors; how it came to be, what we learned on the way, and how it enabled us to design the Radio Neutrino Observatory in Greenland (RNO-G). How to build RNO-G will be the subject of the Physics Colloquium on Friday.

Please note:

The colloquium will also be live-streamed to Kleiner Hörsaal A (CS).