



QuarkNet International Neutrino Masterclass

Newcastle / Timberlake/Hill City/Harding
County/Stagebarn/Lower Brule

May 13, 2022

TIME	ACTIVITY	
0830 - 0845	Arrival@ SLHVC and escort to Check in at <u>Sanford Underground Research Facility Education and Outreach Building</u> , 633 E. Summit St, Lead (KR)	
0845 – 0900	Introductions Name, grade, school, favorite science class so far, favorite candy bar	
0900 – 0930	Neutrinos: Just Passing Through (the beginning of the story) Chad Neutrinos: DUNE Experiment (the future) http://www.fnal.gov/pub/science/lbnf-dune/photos-videos.html http://news.fnal.gov/2018/09/first-tracks-in-prototype-for-neutrinoexperiment/	
0930 – 1030	Timberlake/Stagebarn/Lower Brule – tour (Chad, Kristen (tail))	Newcastle / Hill City/ Harding Co – activity (Shane/Cara)
1030 – 1130	Timberlake/Stagebarn/Lower Brule – activity (Shane/Cara)	Newcastle /Hill City/ Harding Co – tour (Chad, Kristen (tail))
1130-1230	Data Analysis* Student Start Page:	
1230-1315	Lunch with Women in Science and Engineering	
1315-1345	Science and Coding analysis	
1345-1445	WIS mentoring activity/planning	
1445-1500	Debrief and Prepare to Adjourn	

Time: Arrive: 8:30 AM Depart: 3:15 PM

All activities in E&O Conference Room.

Number of Students: 30

Location:

[Sanford Underground Research Facility](#)

630 East Summit Street, Lead, SD (PM)

Group Contacts: (Newcastle) James Stith (StithJ@wcsd1.edu) , Zach Beam (deamz@wcsd1.org)

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