

South Dakota Mines
Department of Physics
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H. Ryott Glayzer

Curriculum Vitae

"A physicist only needs curiosity – the rest can be taught"
- H. Ryott Glayzer

Educational Background

- 2021 **BSc Physics**, South Dakota Mines, Rapid City, SD, USA
Focus in Particle Astrophysics
- 2017 **HS Diploma**, Douglas High School, Box Elder, SD, USA
Graduated with Honors

Research Projects

Undergraduate Research Project

- 2023 **Analysis of Emanation of ^{222}Rn from Materials used in LUX-ZEPLIN and SuperCDMS**
- ADVISOR** Dr. Richard Schnee
- FUNDING AGENCY** DOE Cosmic Frontier

Research Interests

- PARTICLE ASTROPHYSICS**
- Dark Matter-Higgs Interaction
 - Direct WIMP Detection
 - Low Radioactivity Techniques
 - Physics Outside the Standard Model
- OTHERS**
- Linux System Administration
 - Open-Source Software

Affiliations

Scientific

USA American Physical Society

Other

Arch Linux (<https://www.archlinux.org/>)

South Dakota Youth Activism
(<http://www.sdya.org>)

Languages

English Native

Lakota Basic Fluency

Skills

Programming Python, BASH, \LaTeX

Tools GitHub, GitLab

Program Version Control and Program Repositories.

Other Skills Linux System Administration

Participation In Events

2024

Student Research Symposium, SD Mines, Rapid City, USA
POSTER TITLE TBD

Other Professional Experiences

2023

Arch Linux Package Developer and Maintainer, Arch Linux Foundation

2021

Event Organizer and Promoter, Rapid City Gutter Shows, Rapid City, USA

References

Richard W. Schnee

Professor

Physics Dept., SD Mines

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Joseph Street

Post-Doctoral Researcher

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