

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

2021

**HS Diploma**, Douglas High School, Box Elder, SD, USA  
Graduated with Honors

### Research Projects

#### Undergraduate Research Project

2023

**Analysis of Emanation of  $^{222}\text{Rn}$  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

Rapid City, USA

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**Joseph Street**

Post-Doctoral Researcher

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