

South Dakota Mines  
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# H. Ryott Glayzer

## Curriculum Vitae

*"A physicist only needs curiosity—the rest can be taught"*

### 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 <sup>222</sup>Radon from Materials used in LUX-ZEPLIN and SuperCDMS**

**ADVISOR** Dr. Richard Schnee

**FUNDING AGENCY** DOE Cosmic Frontier

### Research Interests

- Particle Astrophysics
- Dark Matter
- Low-Background Physics
- Physics Outside the Standard Model

### Affiliations

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

## Teaching Experience

### Private Tutoring

2019

#### Mathematics

Sporadic private tutoring to school students (children and adolescents)

## Languages

English Native

Lakota Basic Fluency

## Skills

Programming Python, BASH,  $\text{\LaTeX}$

Tools Git

Version Control

Other Skills Linux System Administration

## Participation In Events

2023

**Student Research Symposium** , *South Dakota Mines*, Rapid City, USA

**POSTER TITLE** *Measurement of the Emanation of Radon-222 from Cathode High Voltage Tubing for the LUX-ZEPLIN Dark Matter Experiment*

2024

**1<sup>st</sup> Large Language in Physics Symposium** , *DESY*, Hamburg, Germany

2024

**Student Research Symposium** , *South Dakota Mines*, Rapid City, USA

**POSTER TITLE** *Measurement of the Emanation of Radon-222 from Commercially Available Silicone Sealants for the SuperCDMS Dark Matter Experiment*

## Event Organization

2022

**Go Skate Day! Punk Festival** , *Rapid City Gutter Shows*, Rapid City, USA

Annual music festival celebrating skateboarding and punk rock culture, hosting musicians and bands from across the United States

## 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

2022

**Director of Publications** , *South Dakota Youth Activism* , Sioux Falls, USA

2024

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## References

### Richard W. Schnee

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### Chad Roth

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### Joseph Street

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