



science & innovation

Department:  
Science and Innovation  
REPUBLIC OF SOUTH AFRICA



National  
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# CERTIFICATE

## *OF PARTICIPATION*

This certificate is awarded to

*Siham KALLI*

For presenting:

Variability and spectral study of seyfert 1 galaxies using long term X-rays observations

at the 32nd International Astronomical Union General Assembly 2024

**Kevin Govender**

*Organising Committee Chair*