

**R006-07**

**A 会場 : 9/25 PM1 (13:45-15:30)**

**15:15~15:30**

## **オーロラXプロジェクト：南極・極冠域の大気電離の研究**

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## **AuroraXcosmic project to study the atmospheric ionizations in southern polar cap**

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Japanese Antarctic research program AJ1007 (Space environmental changes and their effects on the Earth's atmosphere explored from the polar cap region, 2022-2027), auroraXcosmic project in short, is supported by NIPR/JARE. We are studying space weather and space climate from Antarctica to understand how the Earth system is open to space, focusing on the southern polar cap where the atmosphere is directly affected by various types of energetic particles from space. In this presentation, we would like to share the current status of the project, such as all-sky camera development and the installation plan via the international collaborations, with new model development toward the space weather reanalysis data study.