

Contribution ID: 74

Type: **not specified**

## A relic of the past cluster-size AGN explosion in the Ophiuchus cluster

*Wednesday 17 August 2022 09:25 (25 minutes)*

I will show new X-ray results confirming the existence of the most energetic AGN explosion ever found in a galaxy cluster. New radio data for the relic lobe will also be shown.

I will also show a mission concept for a new X-ray Probe, Line Emission Mapper, a microcalorimeter array with a large field of view sensitive to soft X-rays (exceeding Athena in grasp by factor 15), and solicit ideas for investigations of ICM physics.

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**Session Classification:** Wednesday morning: AGN feedback