

MILIJA JAKIĆ

**ARCHAEOASTRONOMICAL OBSERVATIONS
AT THE PETNIČKA CAVE LOCATION IN 2024**

This was the continuation of observations from 2022 and 2023. It was found that the light projection appears 28 days before the summer solstice, therefore also 28 days after that date. Light manages to penetrate the side channel under the ceiling. One scene activates portrait mode on the smartphone. Light is focused on a large opening in the cave wall. On the day of the solstice itself, there were no light phenomena. Similar cave was found where light projection appears in front of the entrance.

Keywords: Petnica cave, summer solstice, camera obscura, archaeoastronomy