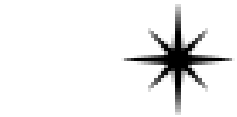

Contribution ID: **67** Type: **Talk (in-person)**

Relativistic Scenario for a Binary BH system in Blazars

Tuesday 6 September 2022 15:30 (20 minutes)

Blazars are a type of Active Galactic Nucley (AGN) which jet points towards the observer. Their emission is variable in different time scales and at different wavelenghts. Some objets presents periodicity in their emission, like the blazar PG 1553+113. In this work we study a scenario to explain blazar periodicities with timescales of few years. The scenario is built on a binary supermassive black hole (SMBH) system where one of the two SMBH carries a jet. Furthermore, we are considering that the two SMBH have angular momentum and that one of them (central) is described by a Kerr black hole metric. We found estimations for the masses of the sources and the distance that separates the two SMBH.

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