



# The Division of Gravitation and Mathematical Physics of the Mexican Physics Society

#### **CERTIFIES THAT**

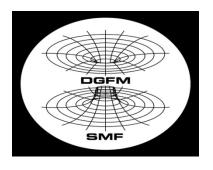
## Francisco S. Guzmán

Participated with the talk: "Classifying the initial conditions of GRB out of the Light Curve", during the XI School of the Division, "Quantum Gravity: schemes, models and phenomenology", that took place on 5-9 December 2016 in Playa del Carmen, Mexico.

On behalf of the organizing committee

**Hector H. Hernandez Hernandez** 

President





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## Francisco S. Guzmán

Participated with the talk: "Estimation of the mass of black hole accreating a hydrodynamic fluid using artificial neural networks", during the XI School of the Division, "Quantum Gravity: schemes, models and phenomenology", that took place on 5-9 December 2016 in Playa del Carmen, Mexico.

On behalf of the organizing committee

**Hector H. Hernandez Hernandez** 

President