

Centre Especial de Recerca en  
Astrofísica, Física de Partícules i Cosmologia  
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# **CENTRE ESPECIAL DE RECERCA EN ASTROFÍSICA, FÍSICA DE PARTÍCULES I COSMOLOGIA (CER)**

## **SEMINARI:**

### **THE GAIA SPACE MISSION: A RELATIVISTIC MODEL FOR MICROARCSECOND ASTRONOMY**

**a càrrec de FERNANDO DE FELICE**  
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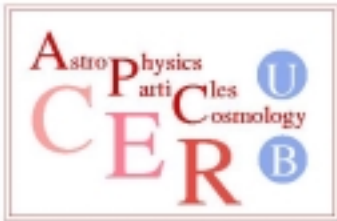
#### **RESUM:**

An important aim of the space mission GAIA is to determine the position and proper motion of the stars in our Galaxy. The expected precision is that of the microarcsecond for stars of 15th magnitude; at this level one picks up all the general relativistic effects on the propagation of light due to the mass of the Sun and of the other major planets of the Solar System, to their rotation and relative motion. In order to deduce the astrometric parameters of a star to that precision one needs to develop an appropriate general relativistic model for data reduction .

**Sala de Graus de la Facultat de Física**  
**Dilluns, 17 de febrer de 2003 a les 16,30 hores**

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Comptem amb la vostra assistència



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