

## SEMINARIO DE ANÁLISIS COMPLEJO

### **On the meromorphic functions in the punctured plane without multiple values**

Arturo Fernández

(Universidad Nacional de Educación a Distancia, Madrid)

Viernes, 6 de noviembre de 2015, a las 10:30

Aula 520, Módulo 17, Departamento de Matemáticas

Universidad Autónoma de Madrid

#### **Resumen:**

The study of meromorphic functions in the plane without multiple values was initiated by F.Nevanlinna. His method was based on the work of E.Hille on complex differential equations. We shall extend F.Nevanlinna's investigations to the wider setting of meromorphic functions in the punctured plane. The frame of this study is the value distribution theory of meromorphic functions. Here we shall make use of the extension of Nevanlinna Theory to annuli due to K.H.Khristianin and A.A.Kondratyuk and R.Korhonen.