



# *E I N L A D U N G*

## **Lunchseminar**

zum Vortrag

von

**Natascha Riahi**

(Wien)

über

***"On the relation between the canonical Hamilton-Jacobi equation and the De Donder-Weyl Hamilton-Jacobi formulation in general relativity"***

### **Abstract:**

We discuss the relation between the canonical Hamilton-Jacobi theory and the De Donder-Weyl Hamilton-Jacobi theory known in the calculus of variations using the examples of a scalar field on curved space-time background and general relativity. By restricting ourselves to Gaussian coordinates, we show how the canonical Hamilton-Jacobi equation of general relativity can be derived from the De Donder-Weyl Hamilton-Jacobi reformulation of the Einstein equations.

**Zeit: Dienstag, 07.01.2020, 13.00**

**Ort: Arbeitsgruppe: Gravitation, Währinger Straße 17, common room,  
1. Stock**

gez.: P. T. Chrusciel, D. Fajman