

Poster at Splinter Meeting

Splinter C

BLACK HOLES - AN E-LEARNING-COURSE FOR ARGUING IN  
MODERN COSMOLOGY

Magdalena Brunner<sup>1</sup>

<sup>1</sup>*Technische Universität München, TUM School of Education, Professur für  
Gymnasialpädagogik*

A main aim of physics lessons is to support students in their development to become mature citizens. Especially in the natural science, it is important that students learn how to examine and create scientific arguments in order to make reflected decisions. An attractive possibility to support pupils and teachers to achieve this aim is proposed by an E-Learning-Course. The E-Learning-Course was developed by a collaboration between teachers and researchers. It combines the subject of black holes with a scientific argument training. The course supports secondary school students to develop their reasoning ability and their interest for scientific contents. Teachers can use the E-Learning-Course in in physics classes and in German classes, too.