

# Application for Dust Accelerator Beam Time

(revised 2/17/2014)

The Dust Accelerator at the University of Colorado is available for use by outside groups (within normal scheduling constraints), following approval from the Colorado accelerator team.

To apply for accelerator beam time and to discuss usage costs, please fill out the following form and send it to one of the following contact personnel:

Prof. Tobin Munsat  
390 UCB  
Boulder CO, 80309  
tobin.munsat@colorado.edu

Prof. Mihaly Horanyi  
390 UCB  
Boulder, CO 80309  
mihaly.horanyi@colorado.edu

The purpose of this form is to assess the technical viability of the proposed experiments, and to begin a dialogue with the accelerator team to maximize the productivity of the beam time. All discussions of proposed or ongoing work will be considered confidential.

**Primary contact person (name, address, phone, email):**

**Brief (few sentences) description of experiment:**

**What hardware will you bring to the accelerator? Include a description of targets, in-vessel or outside-vessel instrumentation, data acquisition, etc.**

**What hardware/capability do you require from the accelerator facility? Include target mounting and/or translation details, viewport access, data acquisition details, etc.**

**What dust specifications do you require? Include dust material, grain size(s), impact speed(s), impact counts or rates, aiming precision, etc.**

**Describe the vacuum compatibility and/or vacuum requirements of any in-vessel equipment to be used.**

**Describe the measurements that will be made during or after exposure of the target(s) to the dust beam. If measurements of the target surface will be made after the run is over, be sure to include a description of the target surface quality.**