Nat. Hazards Earth Syst. Sci. Discuss., 3, C29–C30, 2015
www.nat-hazards-earth-syst-sci-discuss.net/3/C29/2015/
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Natural Hazards and Earth System Sciences
Discussions

Interactive comment on "Impact of rockfalls on protection measures: an experimental approach" *by* J. Yuan et al.

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Received and published: 7 February 2015

The effect of rockfalls on protection measures was tested with different experimental cases in this paper. With rational experimental method, the impact force was studied according to rockfall shape, weight, drop height, platform length ,as well as cushion layer properties (material and thickness). For different experimental results, interpretations were scientifically discussed. In the end, all conclusions drawn in this paper were substantial. So, This paper addresses relevant scientific questions within the scope of NHESS, and presents new data and novel concepts,ideas,and results. They are up to international standards. This paper can be issued after some revision.

About Figures:

1 Fig.4 needs a scale; 2 For Fig.5 (b) and (c), the titles of both X and Y axes need revise so that they will be the same as Fig.5 (a). 3 In Fig. 10, the words Square and Cylinder should be changed into Cubic and Cylindrical, respectively. 4 In Fig. 12 (a), (b), and (c), the word Square should be changed into Cubic. For Fig. 12 (c), the title of Y axis should be changed into impact velocity.

About words:

1 Line 19, page 340, the word gasp should be grasp, right? 2 Line 13, page 343, please cancel "(/)" after the word lengths. 3 Line 21, page 343, the word are should be is. 4 Line 23, page 343, the word effect should be affect. 5 Line 5, page 347, the word is should be are.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 3, 337, 2015.