Antigravity

Good morning ladies and gentlemen, hi guys. I am Eszter Kun, I come from Jurisich Miklós High School, Kőszeg.

Very few people talk about physics in a party. They rather discuss the last concert, the boys or girls living next door, holiday experiences. Physics comes up only if something unusual statement is declared.

Well, I am sure all of you will be interested in antigravity, I finally discovered two weeks ago in Portugal where I spent two weeks under a Comenius language project.

So far I did hear about forces a few things. I	1.
know, force is the interaction of bodies or a body and	fólia
a field. I can exert force on the floor, on your head etc.	
But in some cases force can be detected even the	Padló
bodies do not touch each other. These forces are	
transmitted by a field.	Fej!
If you take off your pullover you may realize it	Dör-
would like to stick to your body, because they attract	zsölj
each other. The same thing happens if we rub our hair	fóliát
with plastic. However, you also can see electric	haj-
repulsion, if you look at your hair.	hoz
Also, magnets can attract or repel each other.	Mág-
Many toys use magnetic attraction and repulsion.	nes!
It is the very fist experience small children learn:	Ejts le
they fall down because of the gravity, as this ball falls	egy
down because Earth and the child attract each other.	labdát
But what about gravitational repulsion? Its	
existence seems to be absolutely necessary, if you	
look at the pattern. I tried to find the examples for	
gravitational repulsion I found a few but not all of	
them were perfect. The problem is that they do not	
work everywhere	
	1

The first example cannot be reproduced	
unfortunately any more. People, who visited World	Szap-
Trade Center told that rain was falling upwards. Was	pan
it gravitational repulsion? But why did it happen just	bubo-
there? Then I was told that it is normal, and the reason	rék 2
is that warm air rises, and although raindrops fall, they	he-
rather move upwards with the air. It is similar to the	lyen
motion of the soapy bubbles.	·
It is normal, that bodies roll downhill, as the ball	Labda
rolls down on the ramp. But I have seen that a double	lejtőn
cone shaped body was rolling uphill. Well, here is no	-
hot air rising up, so it must be gravitational repulsion.	Kettős
Look, how it moves.	kúp
But then I realized that during the motion the	
centre of the gravity did move downward, because of	
the gravitational attraction.	
I was about to give up the whole anti-gravitational	2.
idea. But then, in Portugal, near Porto we visited a	fólia
hill, Bom Jesus. The place is famous that cars roll	
uphill. And it is not a joke, I did see it, I was in the car	
which did move uphill in neutral. No cheating, no air.	
So I was happy finally see an example for	
gravitational repulsion. Here is a picture about it, and	
also the model of it.	
But then, after having examined the situation	Model
closely, I had to realize that it is still not anti-	és
gravitation. If you scrutinize the photo, you will see	lejtő
that the uphill is indeed downhill, it only seems to be	együtt
uphill. This is only optical illusion.	
So, I still have to look for anti-gravity. if there is	
any. In case you find it, let me know. Thank you for	
vour attention.	