

1125-VH-1593 **Aramayis Orkusyan** and **Adnan H. Sabuwala*** (asabuwala@csufresno.edu), 5245 N Backer Ave, M/S PB 108, Fresno, CA 93740, and **David Wu**. *π : Billiards, Physics, and Mathematics*. Preliminary report.

In this talk, we will present a famous billiards ball problem in physics. We will show its surprising connection to π and answer many related questions. We will also pose some open problems. In this talk, we use undergraduate linear algebra, trigonometry, basic complex variables, and should be accessible to any undergraduate student in mathematics. (Received September 18, 2016)